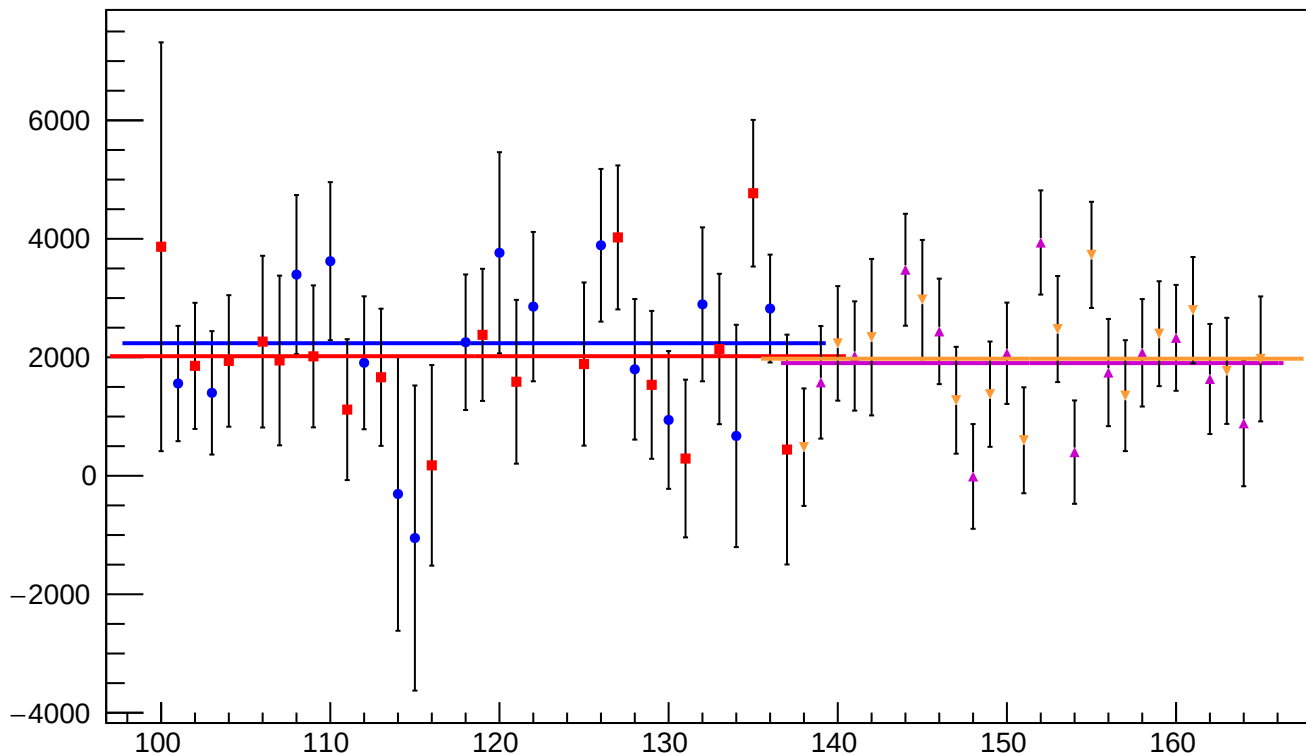


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2237.929+/-314.642

Left Out: 1976.571+/-252.477

Right Out: 2018.625+/-308.362

Left In: 1902.305+/-252.791

χ^2/NDF : 11.3/15

χ^2/NDF : 12.5/13

χ^2/NDF : 12.6/17

χ^2/NDF : 17.6/12

Left: 1939.484+/-178.639

Right: 2126.067+/-220.232

In: 2033.963+/-197.067

Out: 1993.449+/-195.350

All: 2013.529+/-138.736

χ^2/NDF : 30.2/26

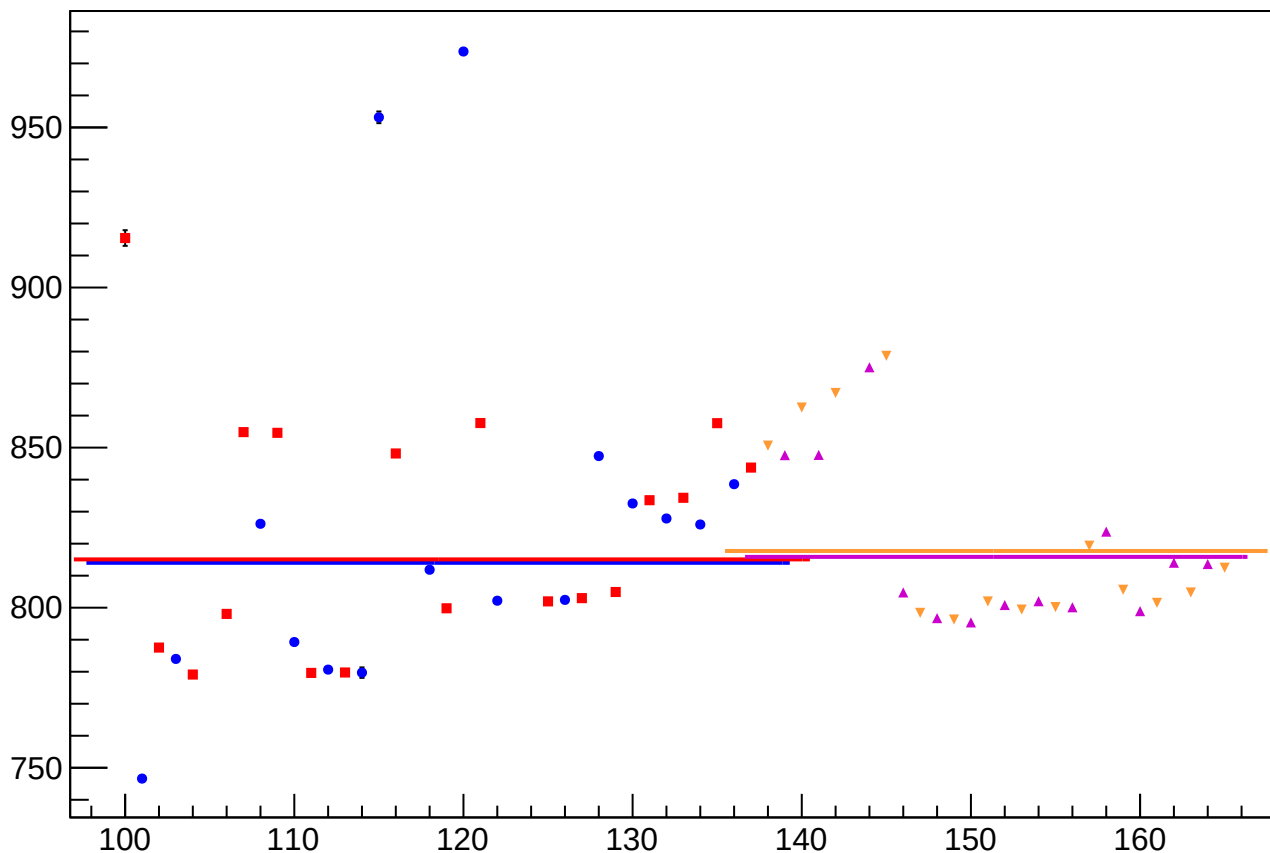
χ^2/NDF : 24.1/33

χ^2/NDF : 29.6/28

χ^2/NDF : 25.1/31

χ^2/NDF : 54.8/60

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 817.713+/-0.179 χ^2/NDF : 22411.4/13

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

Left In: 815.868+/-0.179 χ^2/NDF : 17452.0/12

Left: 816.792+/-0.126 χ^2/NDF : 39916.7/26

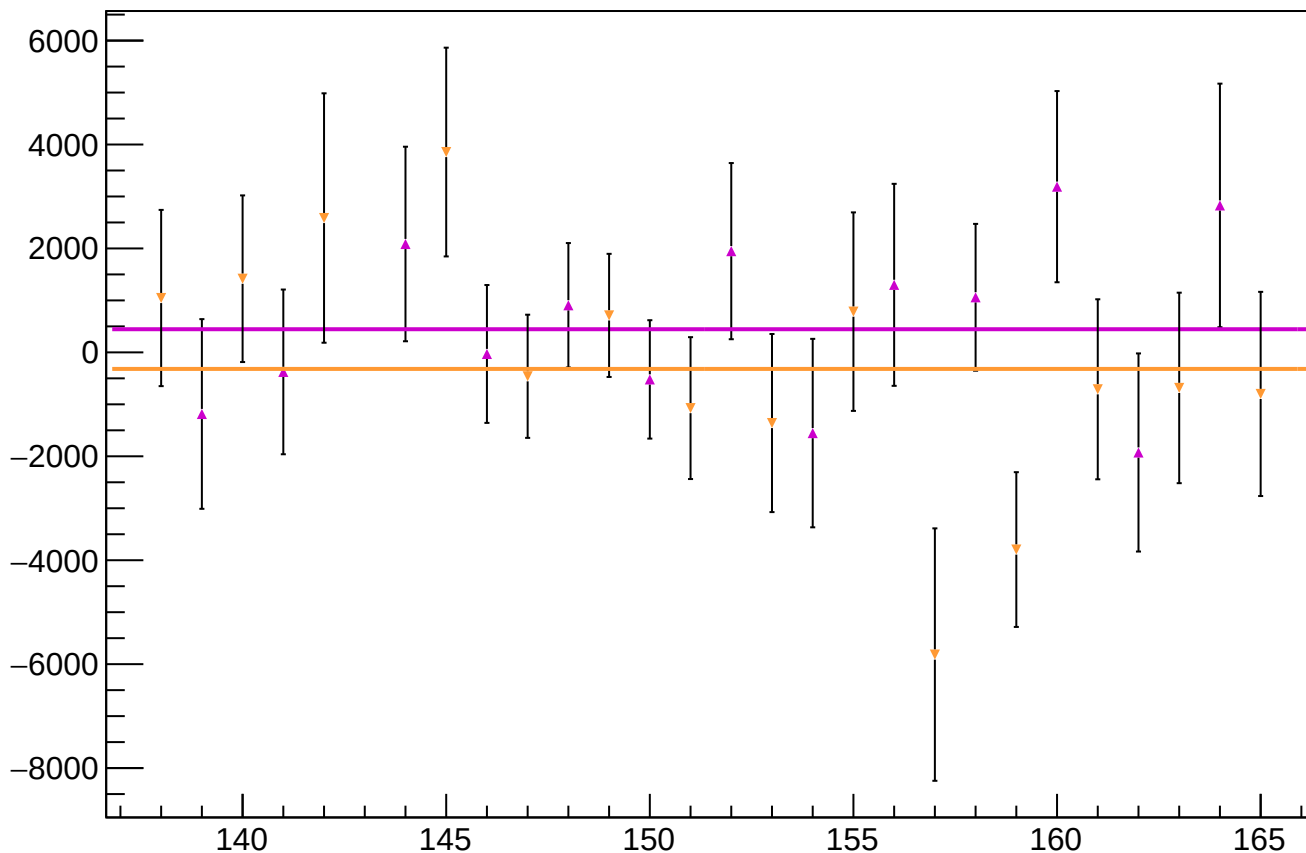
Right: 814.563+/-0.156 χ^2/NDF : 62012.6/33

In: 815.144+/-0.139 χ^2/NDF : 59535.5/28

Out: 816.658+/-0.138 χ^2/NDF : 42457.6/31

All: 815.908+/-0.098 χ^2/NDF : 102052.8/60

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -318.435 $\pm$ 436.677 χ^2 /NDF:20.1/13

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

Left In: 445.358 $\pm$ 438.933 χ^2 /NDF:10.0/12

Left: 61.494 $\pm$ 309.572 χ^2 /NDF: 31.6/26

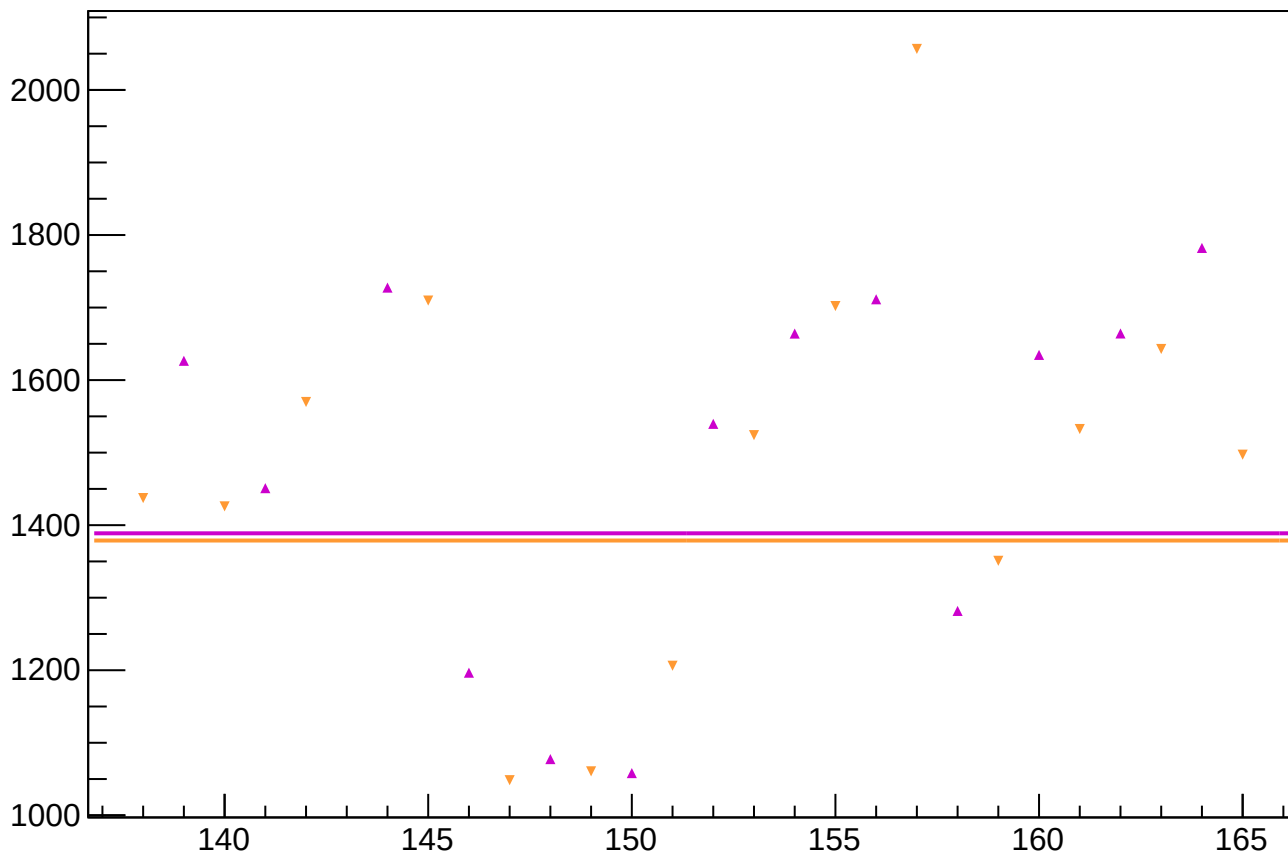
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 445.358 $\pm$ 438.933 χ^2 /NDF:10.0/12

Out: -318.435 $\pm$ 436.677 χ^2 /NDF:20.1/13

All: 61.494 $\pm$ 309.572 χ^2 /NDF: 31.6/26

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1378.837+/-0.309 χ^2/NDF : 695347.6/13

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

Left In: 1388.770+/-0.310 χ^2/NDF : 710535.1/12

Left: 1383.778+/-0.219 χ^2/NDF : 1406397.4/26

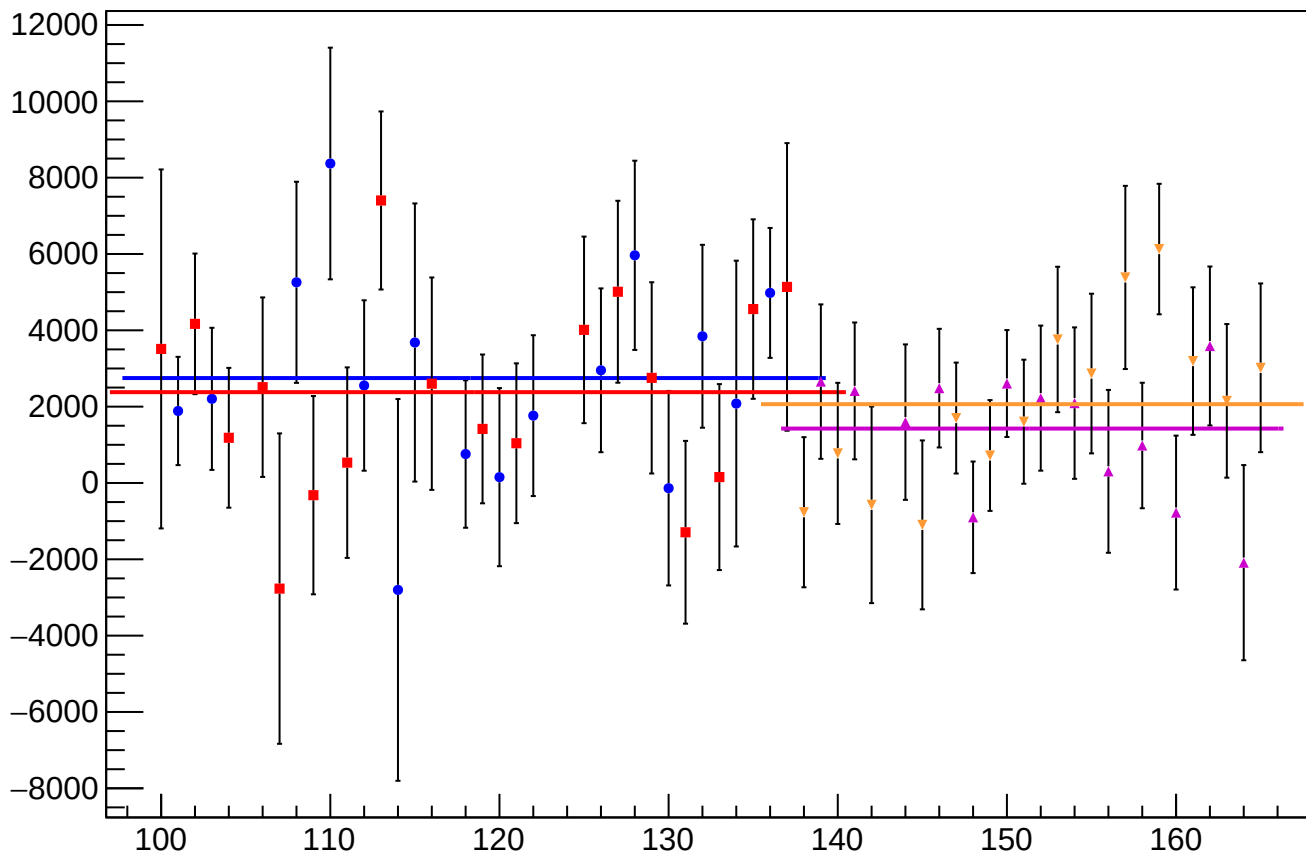
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1388.770+/-0.310 χ^2/NDF : 710535.1/12

Out: 1378.837+/-0.309 χ^2/NDF : 695347.6/13

All: 1383.778+/-0.219 χ^2/NDF : 1406397.4/26

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 2064.700 $\pm$ 501.788 χ^2 /NDF:15.7/13

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

Left In: 1425.443 $\pm$ 503.917 χ^2 /NDF:9.2/12

Left: 1746.425 $\pm$ 355.568 χ^2 /NDF: 25.7/26

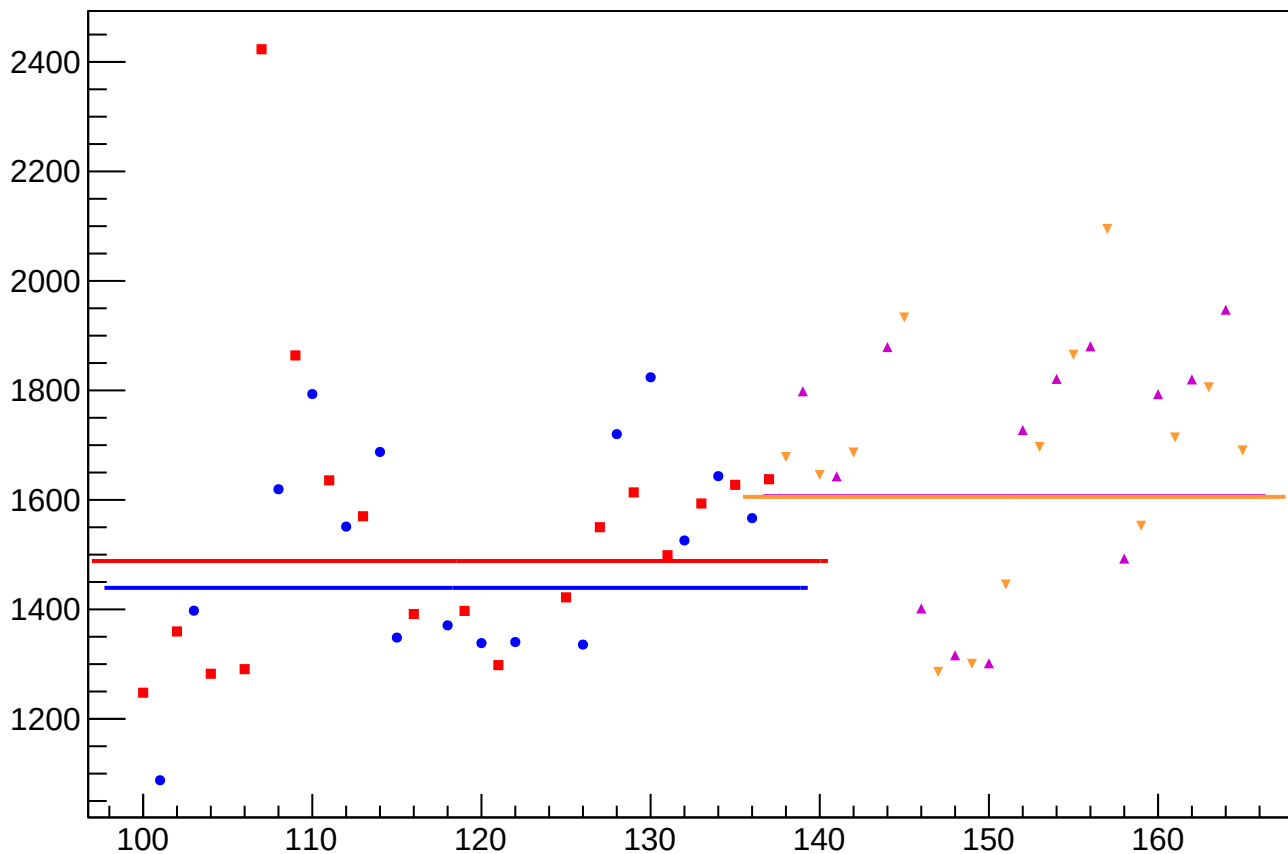
Right: 2566.079 $\pm$ 400.174 χ^2 /NDF: 30.0/33

In: 2014.117 $\pm$ 375.463 χ^2 /NDF:25.8/28

Out: 2202.405 $\pm$ 376.339 χ^2 /NDF:32.1/31

All: 2108.042 $\pm$ 265.802 χ^2 /NDF: 58.0/60

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1605.567 $\pm$ 0.355 χ^2 /NDF: 403333.8/13

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

Left In: 1606.831 $\pm$ 0.356 χ^2 /NDF: 410935.1/12

Left: 1606.196 $\pm$ 0.251 χ^2 /NDF: 814275.2/26

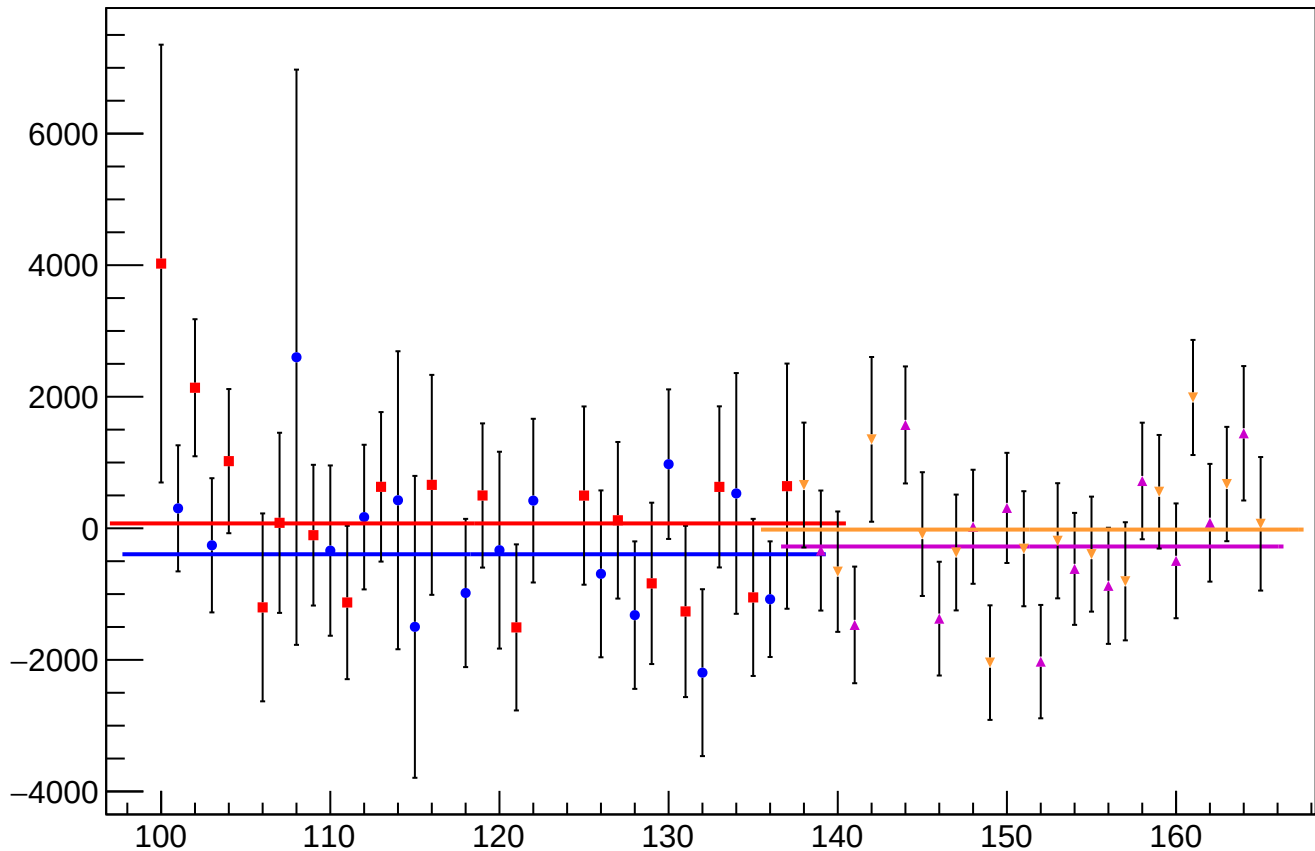
Right: 1463.597 $\pm$ 0.283 χ^2 /NDF: 541697.1/33

In: 1532.320 $\pm$ 0.265 χ^2 /NDF: 787092.8/28

Out: 1554.298 $\pm$ 0.266 χ^2 /NDF: 707378.7/31

All: 1543.284 $\pm$ 0.188 χ^2 /NDF: 1497890.1/60

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -394.364 $\pm$ 313.174 χ^2/NDF : 7.4/15

Left Out: -19.297 $\pm$ 244.076 χ^2/NDF : 15.2/13

Right Out: 74.289 $\pm$ 298.398 χ^2/NDF : 12.9/17

Left In: -276.430 $\pm$ 245.173 χ^2/NDF : 17.4/12

Left: -147.287 $\pm$ 172.974 χ^2/NDF : 33.2/26

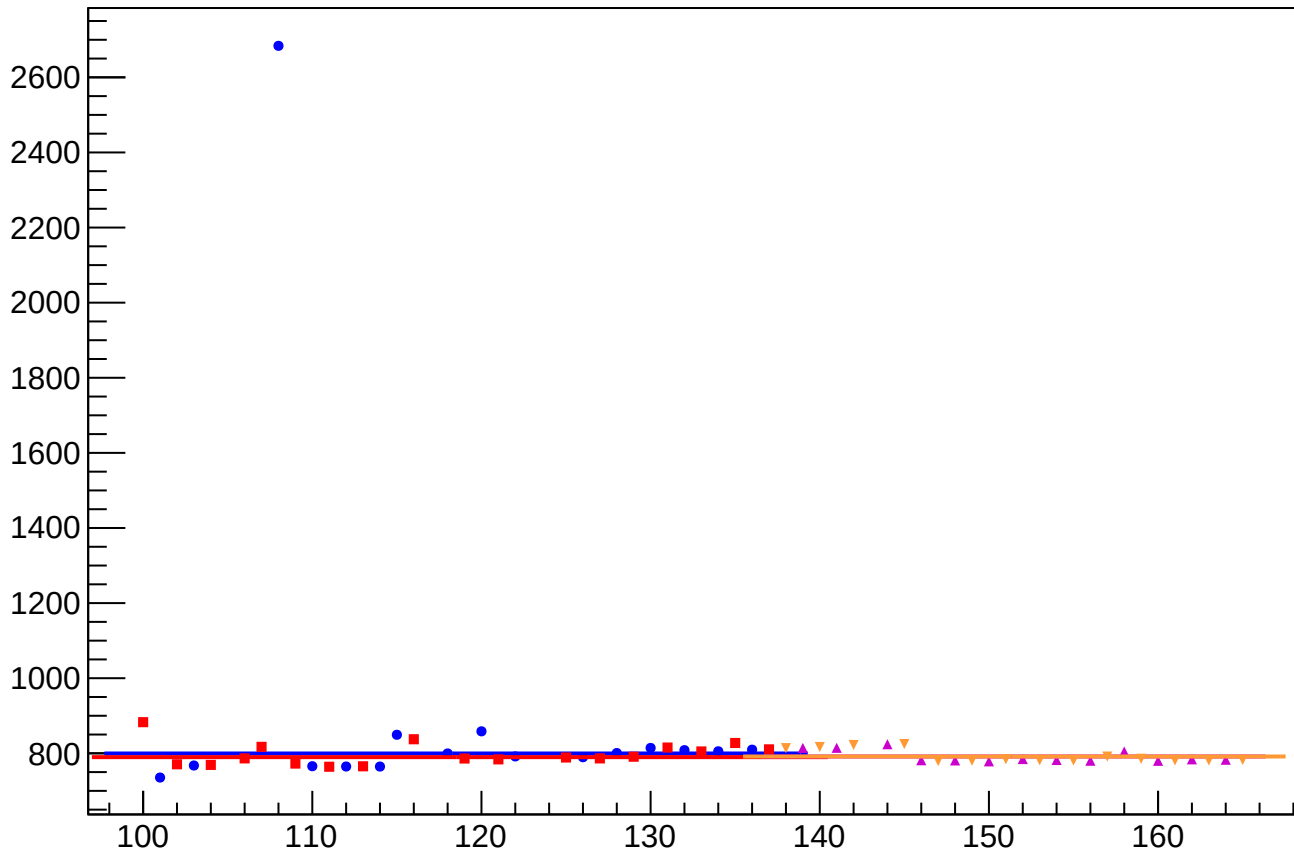
Right: -148.721 $\pm$ 216.034 χ^2/NDF : 21.5/33

In: -321.244 $\pm$ 193.051 χ^2/NDF : 24.9/28

Out: 18.217 $\pm$ 188.925 χ^2/NDF : 28.2/31

All: -147.847 $\pm$ 135.025 χ^2/NDF : 54.7/60

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 791.553 $\pm$ 0.173 χ^2 /NDF: 8557.6/13

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

Left In: 791.573 $\pm$ 0.173 χ^2 /NDF: 8119.8/12

Left: 791.563 $\pm$ 0.122 χ^2 /NDF: 16677.4/26

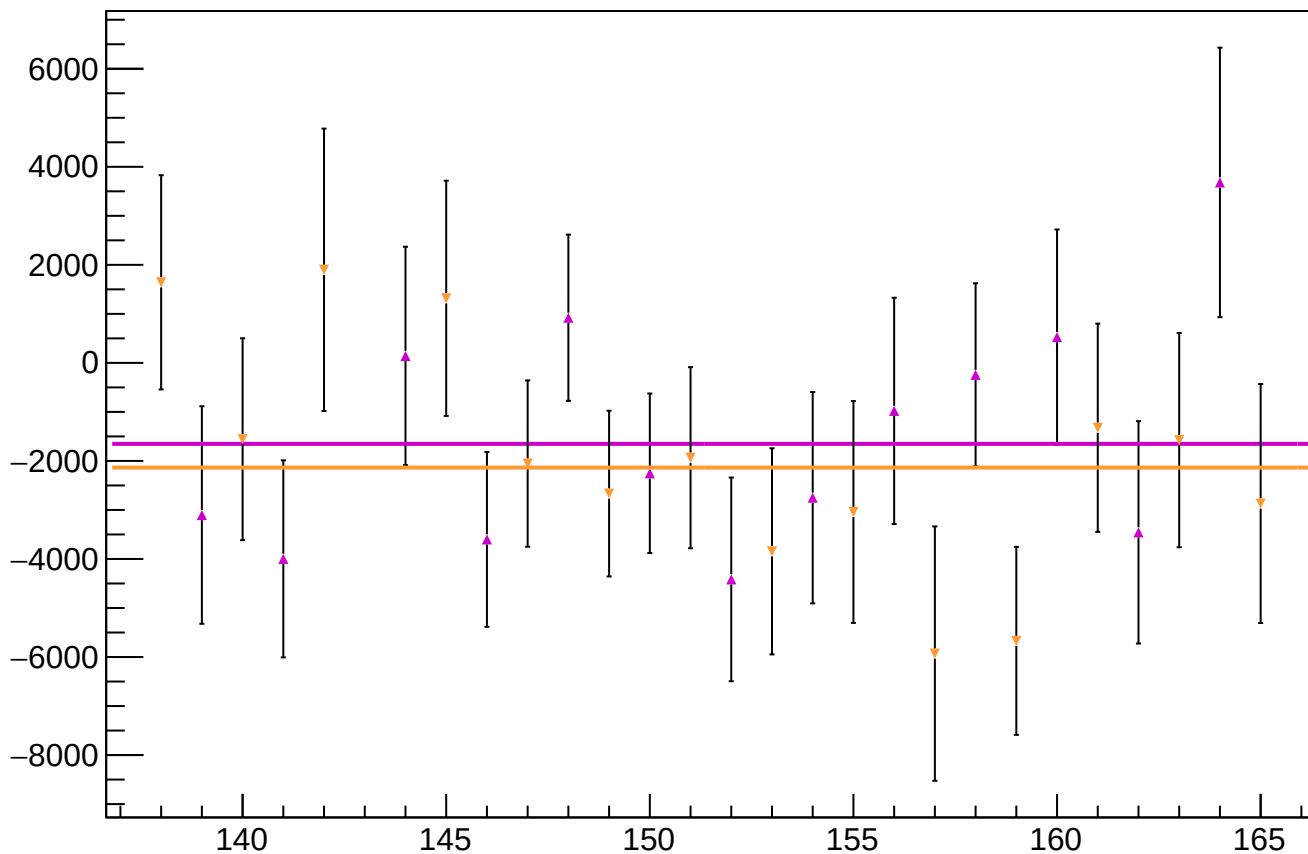
Right: 794.430 $\pm$ 0.153 χ^2 /NDF: 403375.5/33

In: 794.600 $\pm$ 0.137 χ^2 /NDF: 400107.5/28

Out: 790.848 $\pm$ 0.134 χ^2 /NDF: 19774.2/31

All: 792.683 $\pm$ 0.095 χ^2 /NDF: 420267.6/60

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -2135.221+/-561.536 χ^2/NDF :13.9/13

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

Left In: -1651.398+/-563.651 χ^2/NDF :14.1/12

Left: -1894.219+/-397.811 χ^2/NDF : 28.4/26

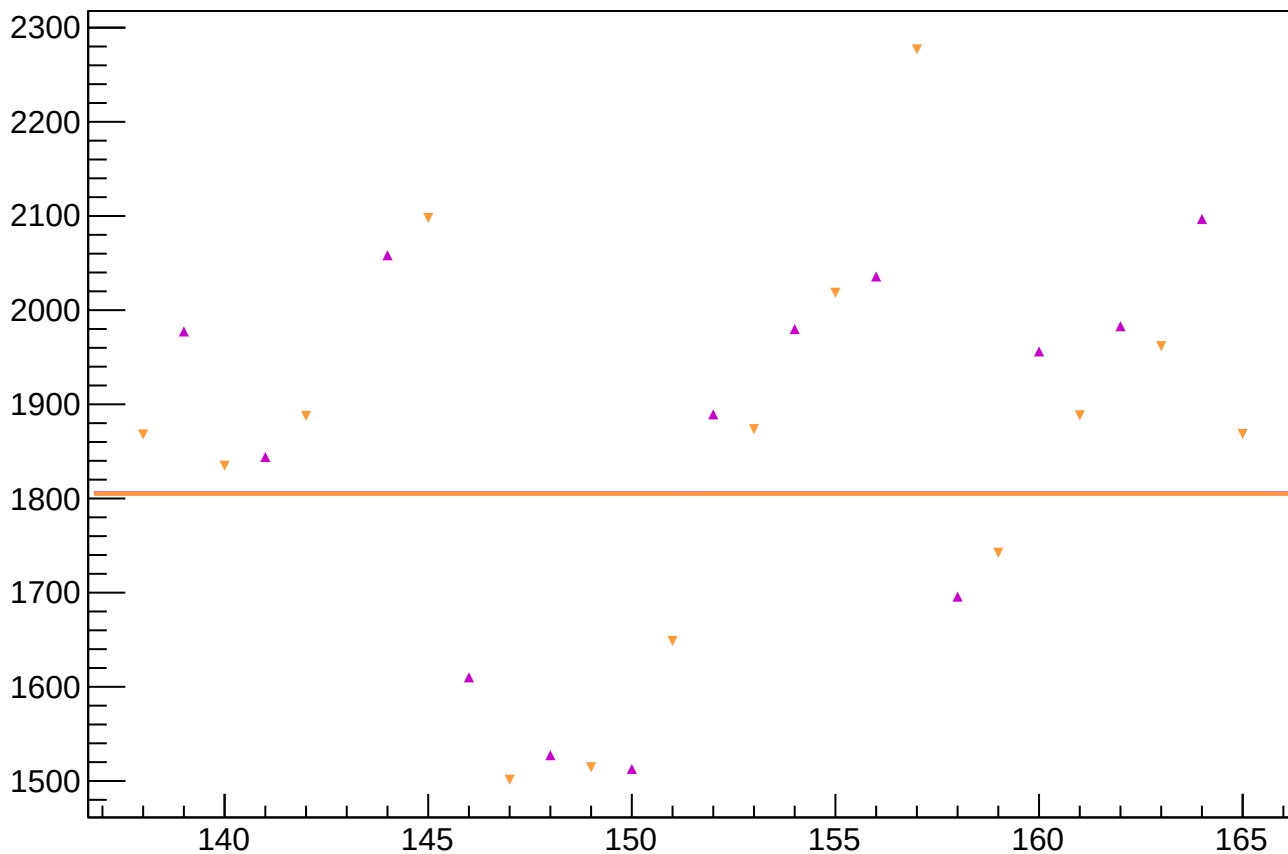
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1651.398+/-563.651 χ^2/NDF :14.1/12

Out: -2135.221+/-561.536 χ^2/NDF :13.9/13

All: -1894.219+/-397.811 χ^2/NDF : 28.4/26

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1805.143+/-0.397 χ^2/NDF :273905.2/13

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

Left In: 1805.430+/-0.399 χ^2/NDF :268321.4/12

Left: 1805.286+/-0.281 χ^2/NDF : 542226.8/26

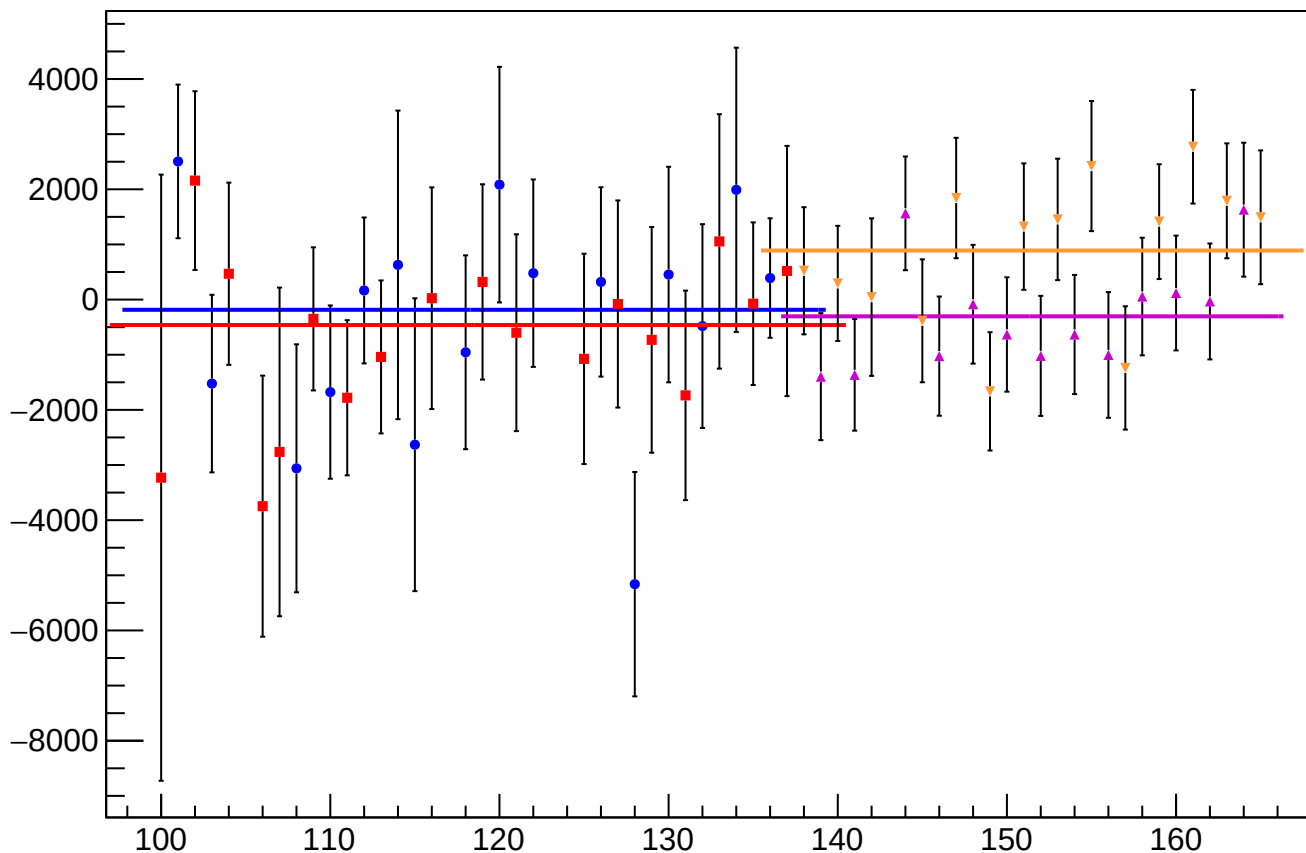
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1805.430+/-0.399 χ^2/NDF :268321.4/12

Out: 1805.143+/-0.397 χ^2/NDF :273905.2/13

All: 1805.286+/-0.281 χ^2/NDF : 542226.8/26

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 890.342 ± 298.293 $\chi^2/\text{NDF}: 18.8/13$

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

Left In: -304.078 ± 299.131 $\chi^2/\text{NDF}: 9.7/12$

Left: 294.807 ± 211.220 $\chi^2/\text{NDF}: 36.5/26$

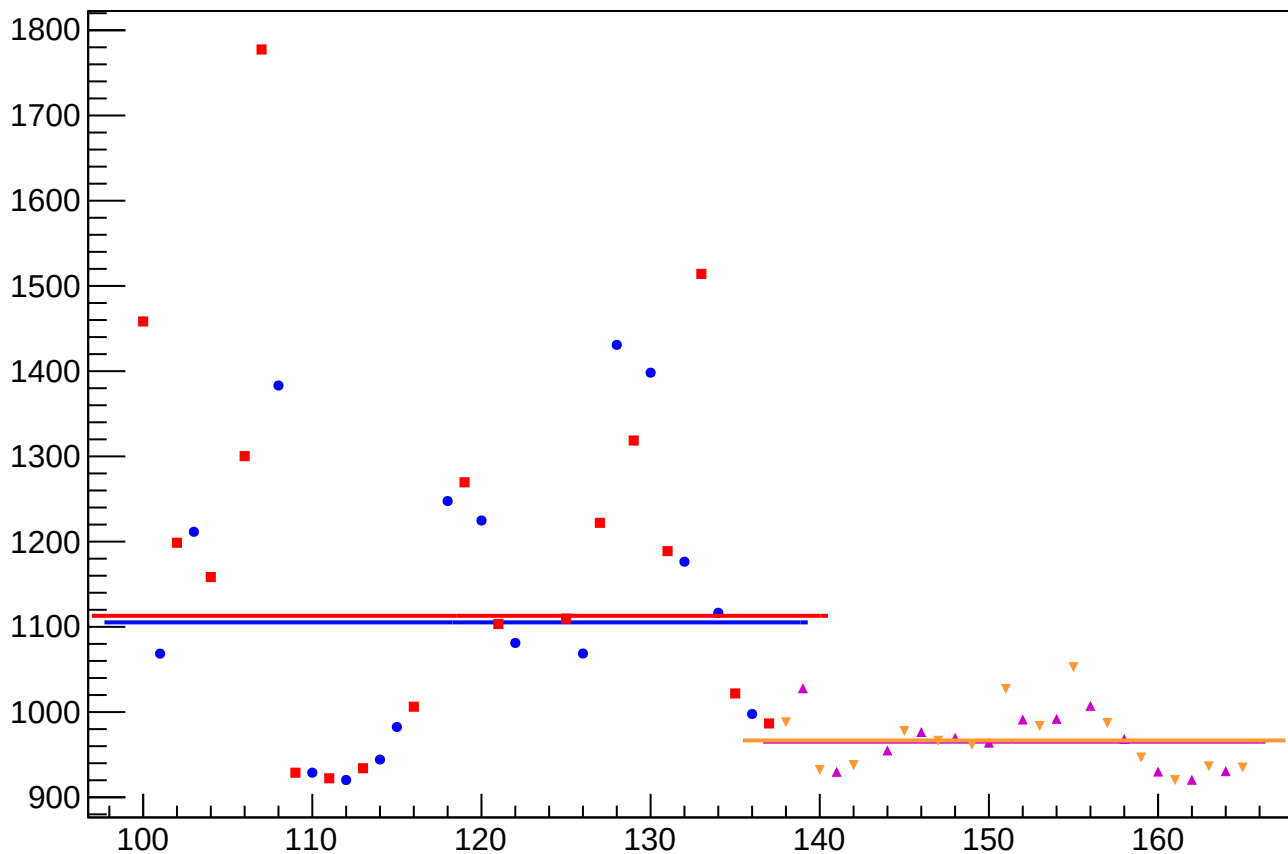
Right: -324.625 ± 303.483 $\chi^2/\text{NDF}: 25.2/33$

In: -265.444 ± 245.835 $\chi^2/\text{NDF}: 26.3/28$

Out: 446.960 ± 244.519 $\chi^2/\text{NDF}: 33.9/31$

All: 92.670 ± 173.365 $\chi^2/\text{NDF}: 64.4/60$

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 966.723 $\pm$ 0.211 χ^2 /NDF: 29145.8/13

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

Left In: 965.251 $\pm$ 0.212 χ^2 /NDF: 21443.9/12

Left: 965.989 $\pm$ 0.149 χ^2 /NDF: 50614.0/26

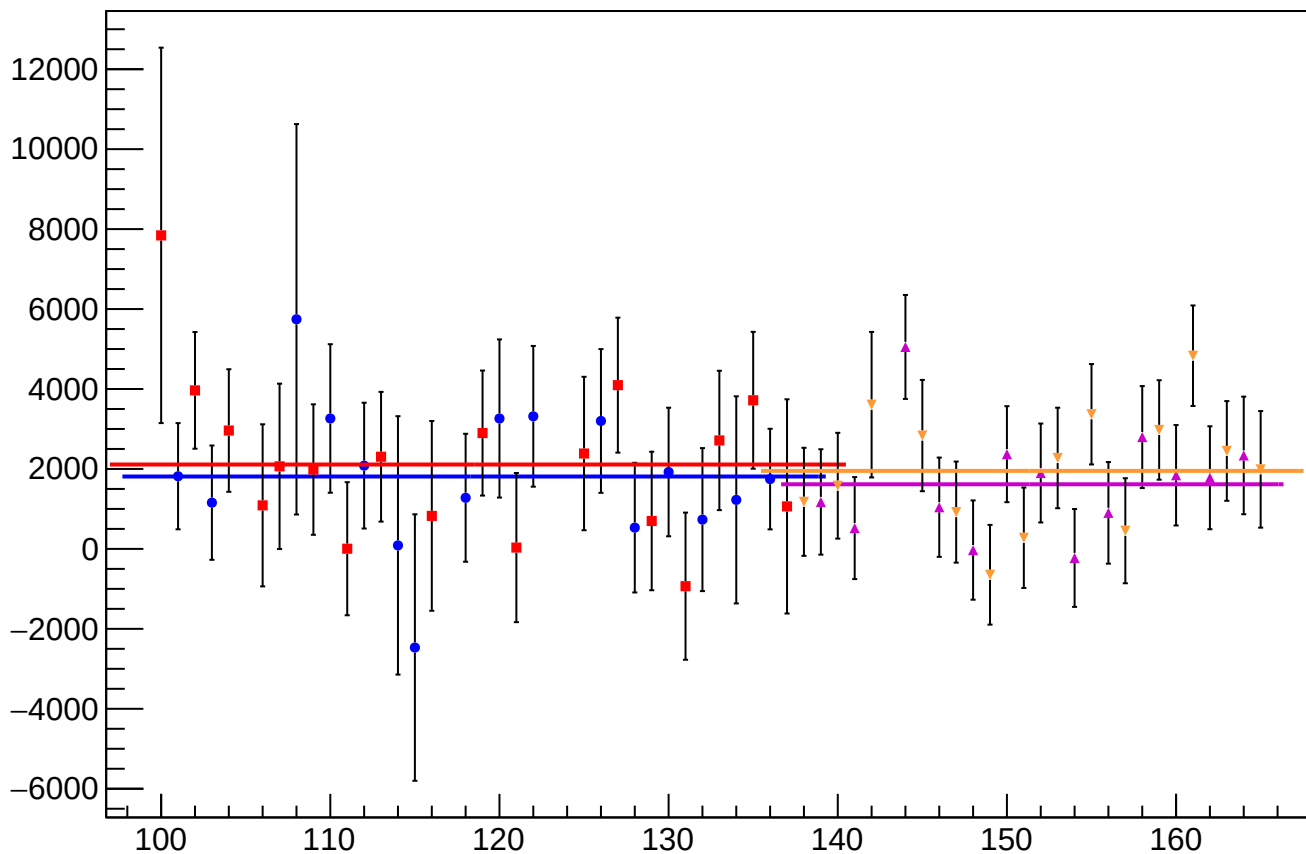
Right: 1109.146 $\pm$ 0.215 χ^2 /NDF: 618686.6/33

In: 1010.689 $\pm$ 0.174 χ^2 /NDF: 418979.4/28

Out: 1014.700 $\pm$ 0.173 χ^2 /NDF: 549857.0/31

All: 1012.705 $\pm$ 0.123 χ^2 /NDF: 969104.0/60

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1951.836 $\pm$ 351.887 χ^2 /NDF:17.1/13

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

Left In: 1616.322 $\pm$ 353.013 χ^2 /NDF:14.0/12

Left: 1784.615 $\pm$ 249.219 χ^2 /NDF: 31.6/26

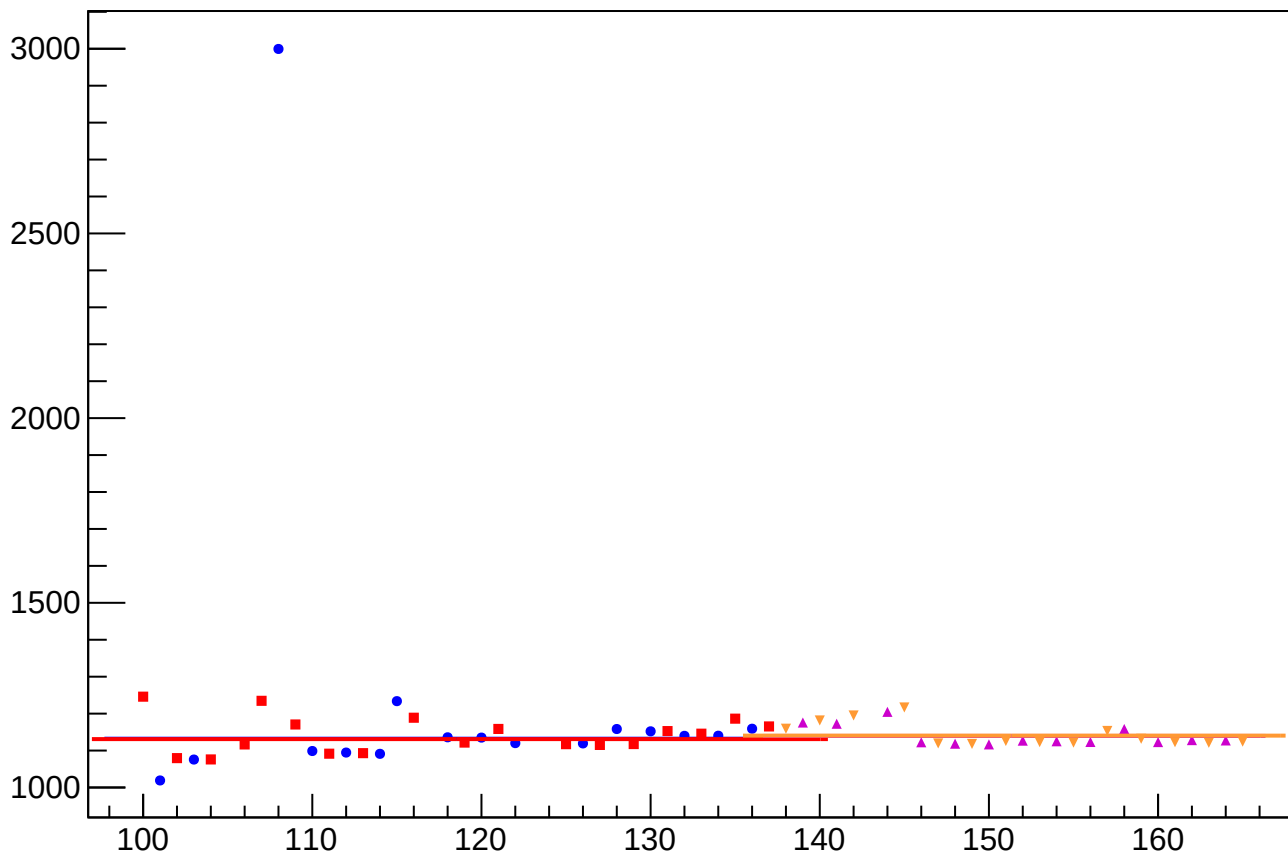
Right: 1966.016 $\pm$ 307.400 χ^2 /NDF: 19.7/33

In: 1692.131 $\pm$ 275.870 χ^2 /NDF:20.5/28

Out: 2016.090 $\pm$ 271.731 χ^2 /NDF:30.3/31

All: 1856.559 $\pm$ 193.590 χ^2 /NDF: 51.5/60

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1140.420+/-0.249 χ^2/NDF :13843.3/13

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

Left In: 1139.563+/-0.250 χ^2/NDF :11465.4/12

Left: 1139.993+/-0.176 χ^2/NDF : 25314.6/26

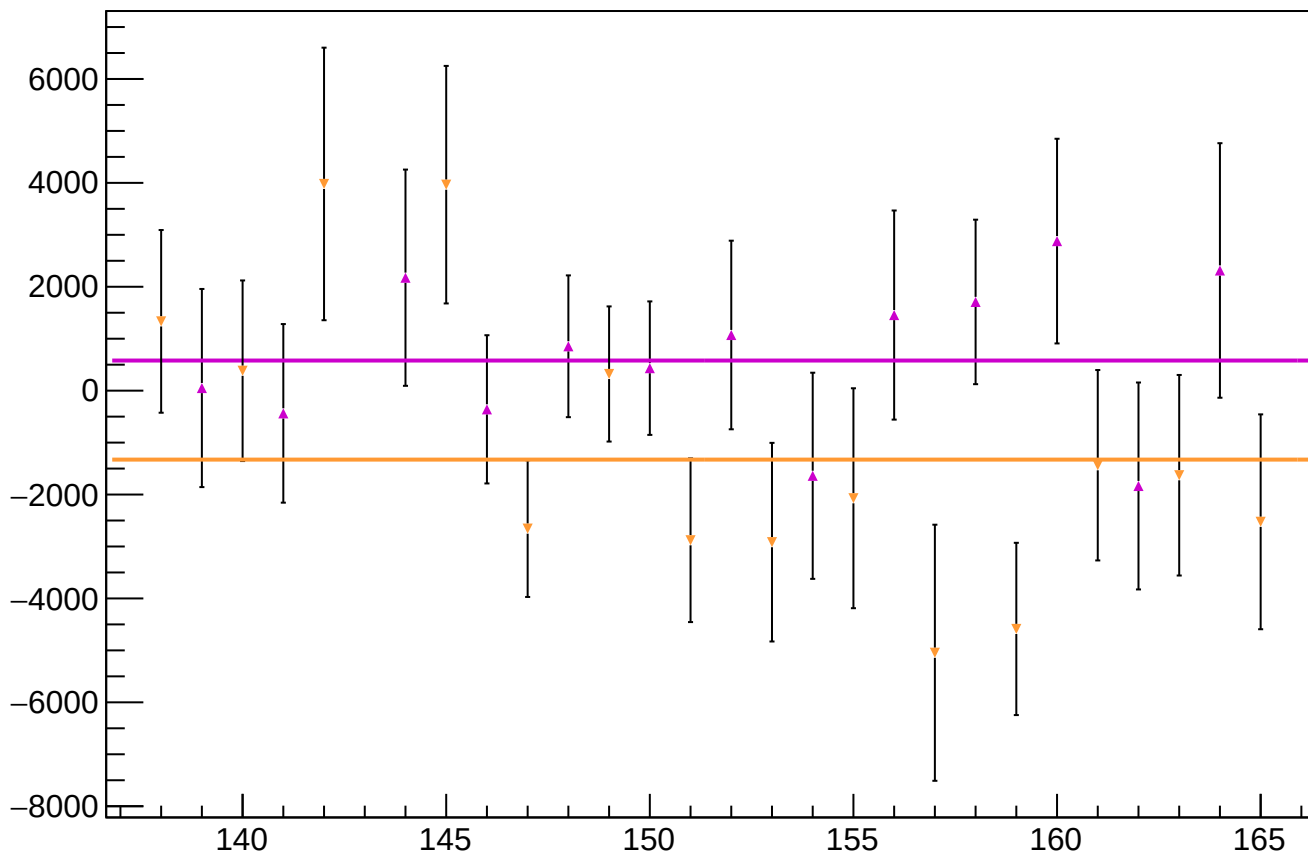
Right: 1131.528+/-0.217 χ^2/NDF : 335751.3/33

In: 1136.648+/-0.195 χ^2/NDF :327842.0/28

Out: 1136.624+/-0.192 χ^2/NDF :34139.0/31

All: 1136.635+/-0.137 χ^2/NDF : 361981.0/60

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -1327.375+/-477.445 χ^2/NDF :23.6/13

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

Left In: 579.798+/-479.056 χ^2/NDF :6.9/12

Left: -377.000+/-338.172 χ^2/NDF : 38.4/26

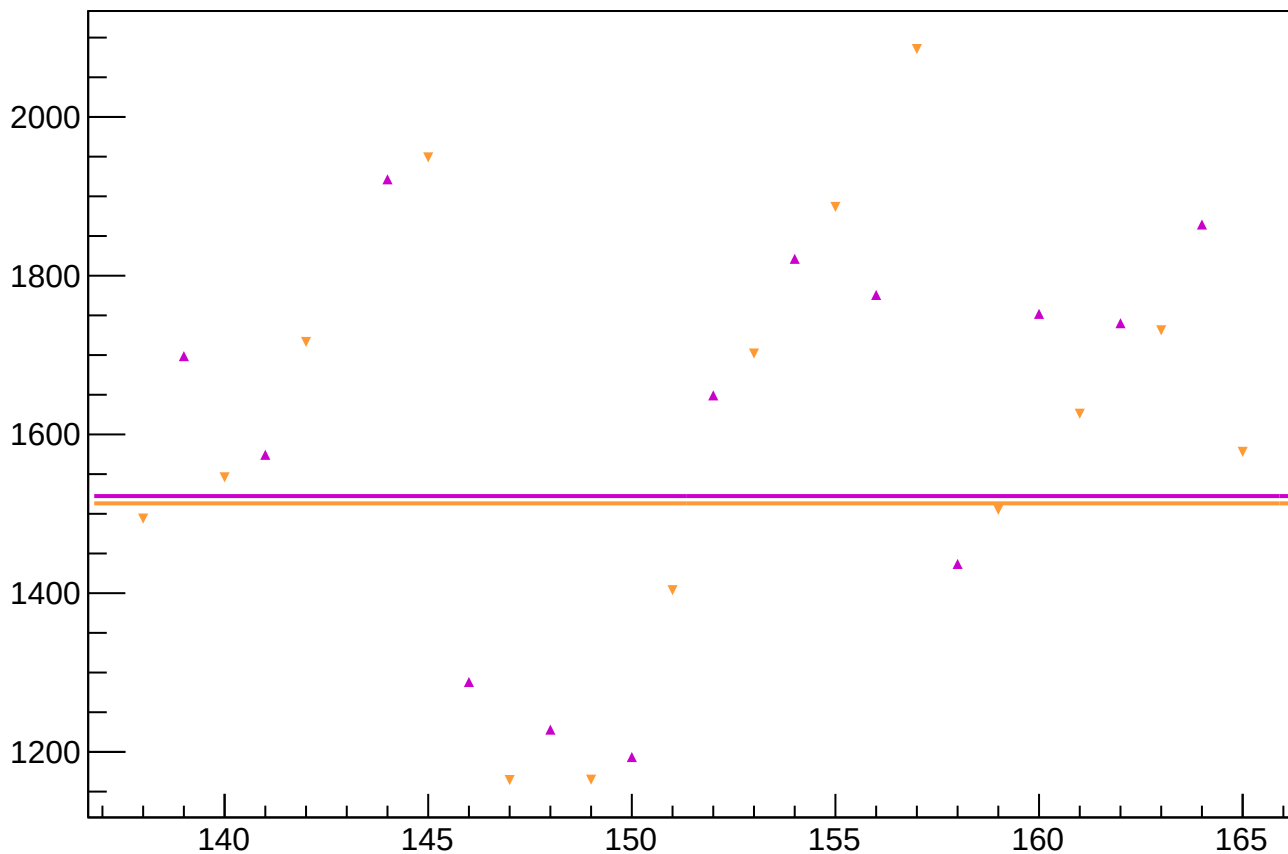
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 579.798+/-479.056 χ^2/NDF :6.9/12

Out: -1327.375+/-477.445 χ^2/NDF :23.6/13

All: -377.000+/-338.172 χ^2/NDF : 38.4/26

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1513.161+/-0.338 χ^2/NDF :603616.4/13

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

Left In: 1522.336+/-0.339 χ^2/NDF :553082.6/12

Left: 1517.733+/-0.239 χ^2/NDF : 1157067.0/26

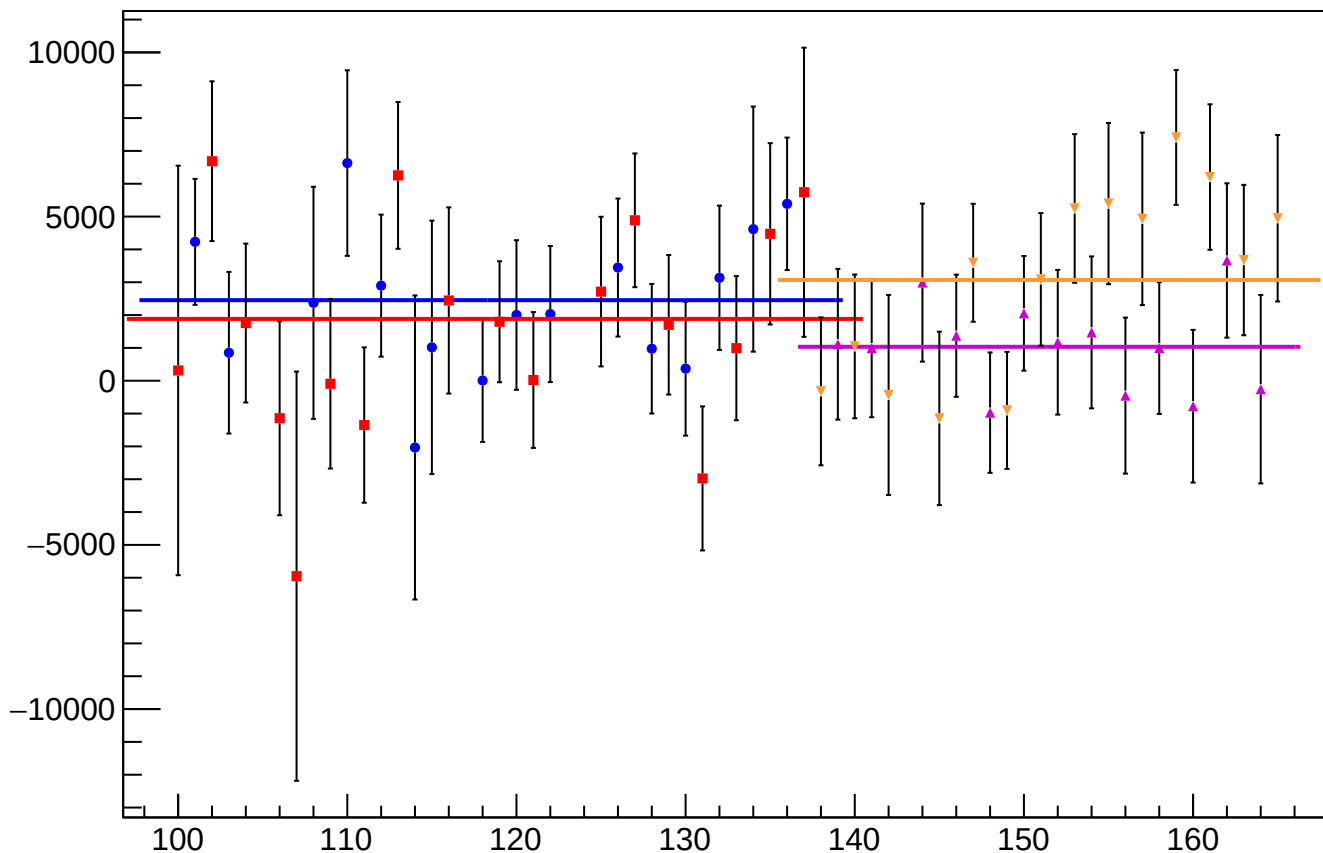
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1522.336+/-0.339 χ^2/NDF :553082.6/12

Out: 1513.161+/-0.338 χ^2/NDF :603616.4/13

All: 1517.733+/-0.239 χ^2/NDF : 1157067.0/26

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 3069.229 $\pm$ 595.470 χ^2 /NDF:21.5/13

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

Left In: 1033.766 $\pm$ 596.830 χ^2 /NDF:4.7/12

Left: 2053.820 $\pm$ 421.541 χ^2 /NDF: 32.0/26

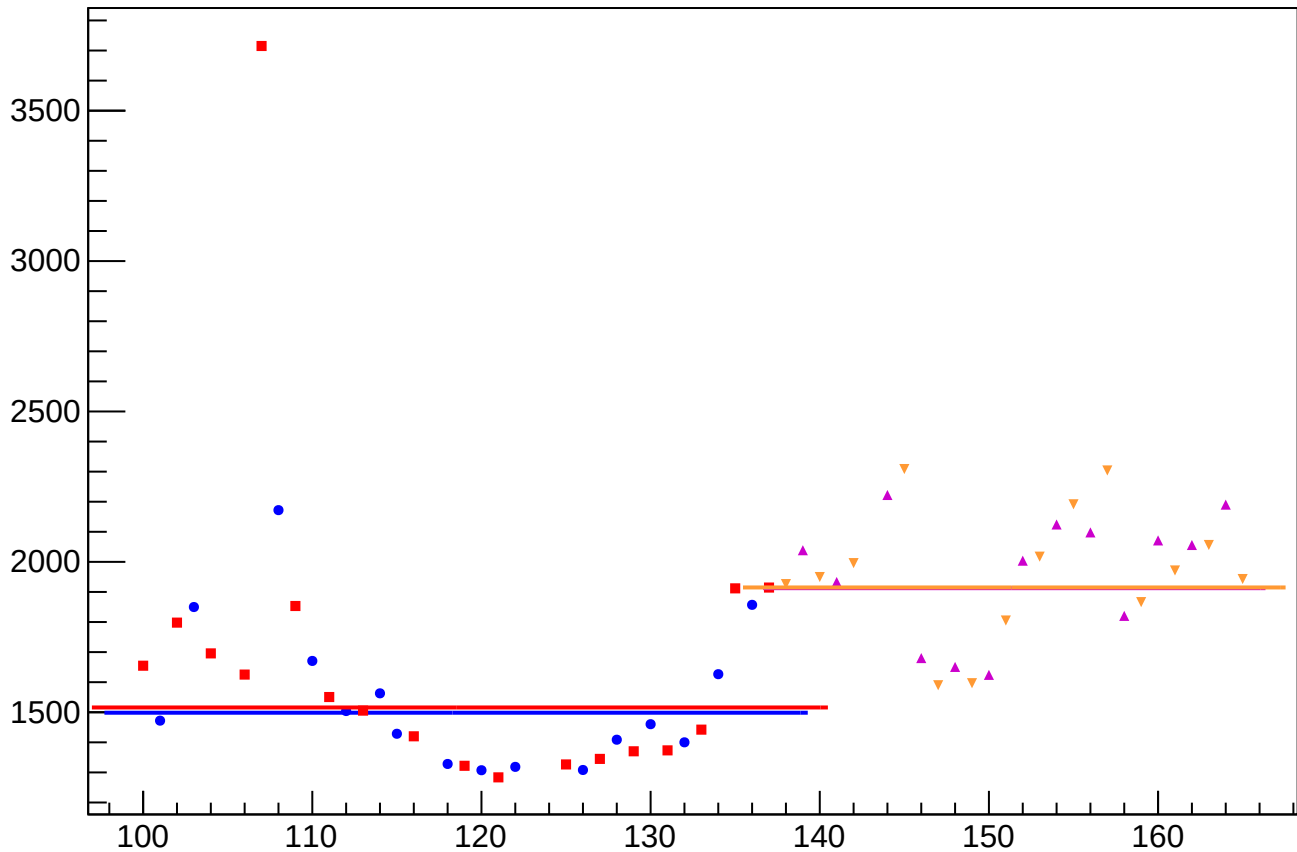
Right: 2167.665 $\pm$ 412.771 χ^2 /NDF: 34.0/33

In: 1758.771 $\pm$ 417.524 χ^2 /NDF:18.4/28

Out: 2463.630 $\pm$ 416.651 χ^2 /NDF:46.2/31

All: 2111.939 $\pm$ 294.925 χ^2 /NDF: 66.0/60

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1914.923 $\pm$ 0.421 χ^2/NDF : 265164.6/13

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

Left In: 1912.570 $\pm$ 0.422 χ^2/NDF : 237873.6/12

Left: 1913.749 $\pm$ 0.298 χ^2/NDF : 503053.8/26

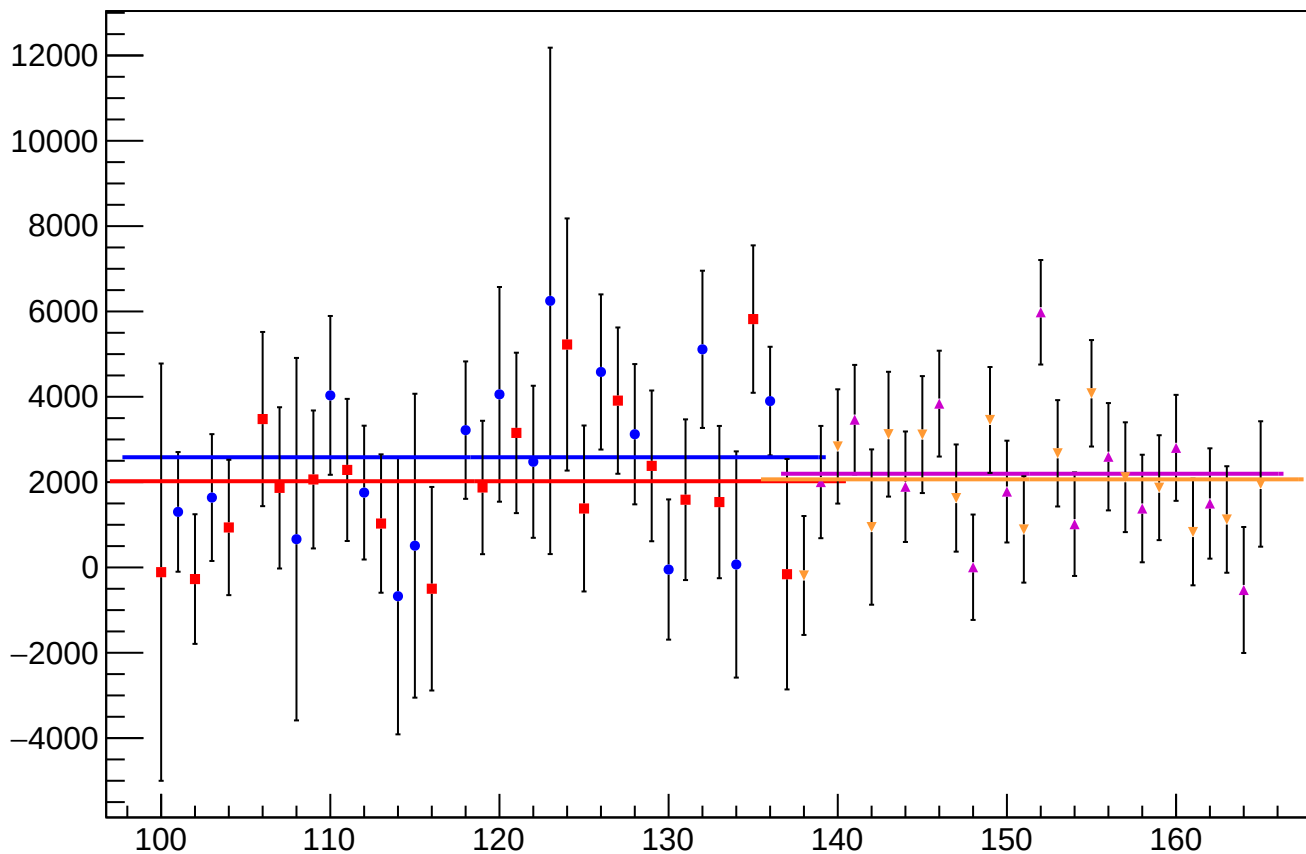
Right: 1507.233 $\pm$ 0.292 χ^2/NDF : 740243.9/33

In: 1701.137 $\pm$ 0.295 χ^2/NDF : 988256.5/28

Out: 1711.279 $\pm$ 0.295 χ^2/NDF : 1203982.4/31

All: 1706.219 $\pm$ 0.209 χ^2/NDF : 2192830.1/60

dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2064.947 $\pm$ 341.068 χ^2 /NDF: 11.1/14

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

Left In: 2196.068 $\pm$ 351.344 χ^2 /NDF: 21.0/12

Left: 2128.562 $\pm$ 244.724 χ^2 /NDF: 32.2/27

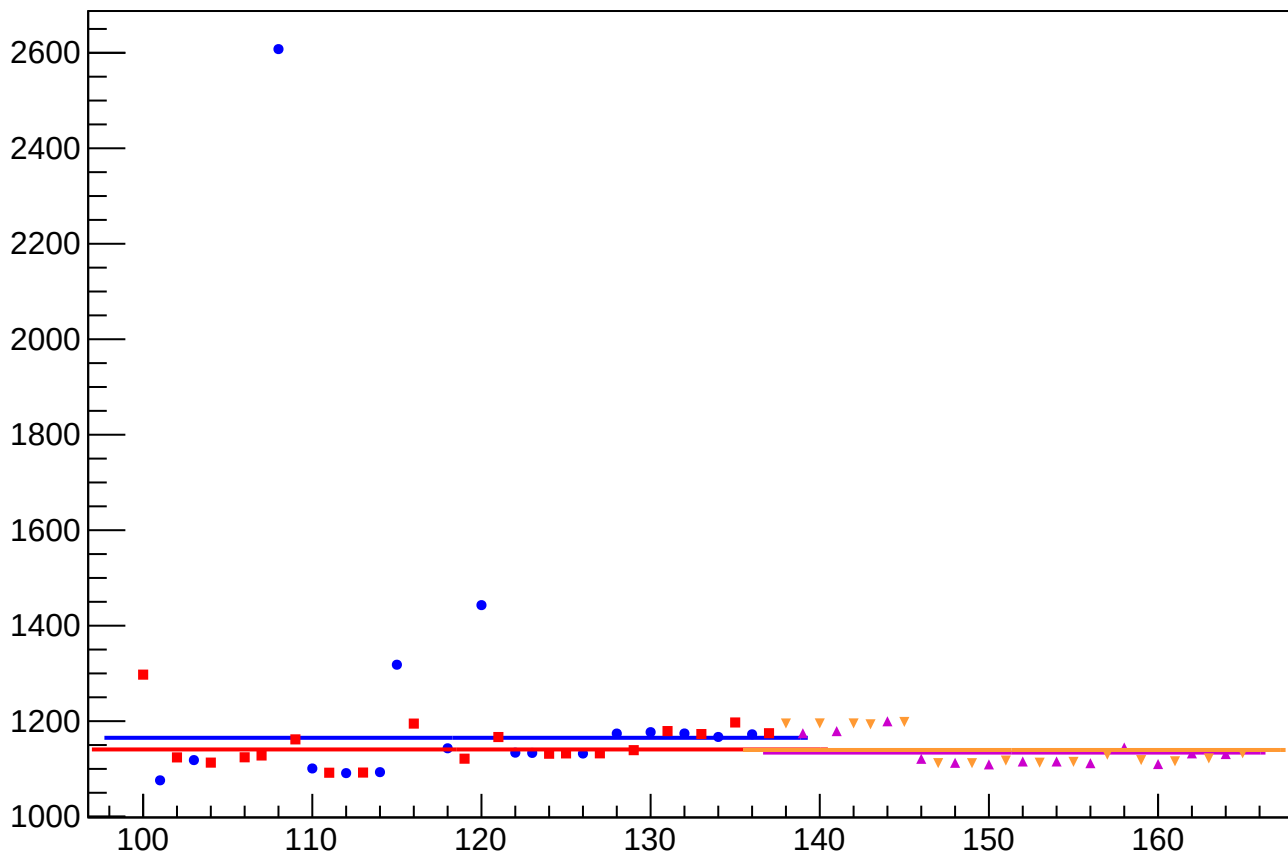
Right: 2284.984 $\pm$ 310.688 χ^2 /NDF: 26.6/35

In: 2341.319 $\pm$ 277.672 χ^2 /NDF: 33.8/29

Out: 2047.714 $\pm$ 266.432 χ^2 /NDF: 24.6/33

All: 2188.454 $\pm$ 192.247 χ^2 /NDF: 59.0/63

dit_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1139.638 $\pm$ 0.241 χ^2 /NDF:21036.0/14

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

Left In: 1134.154 $\pm$ 0.248 χ^2 /NDF:13614.4/12

Left: 1136.978 $\pm$ 0.173 χ^2 /NDF: 34901.3/27

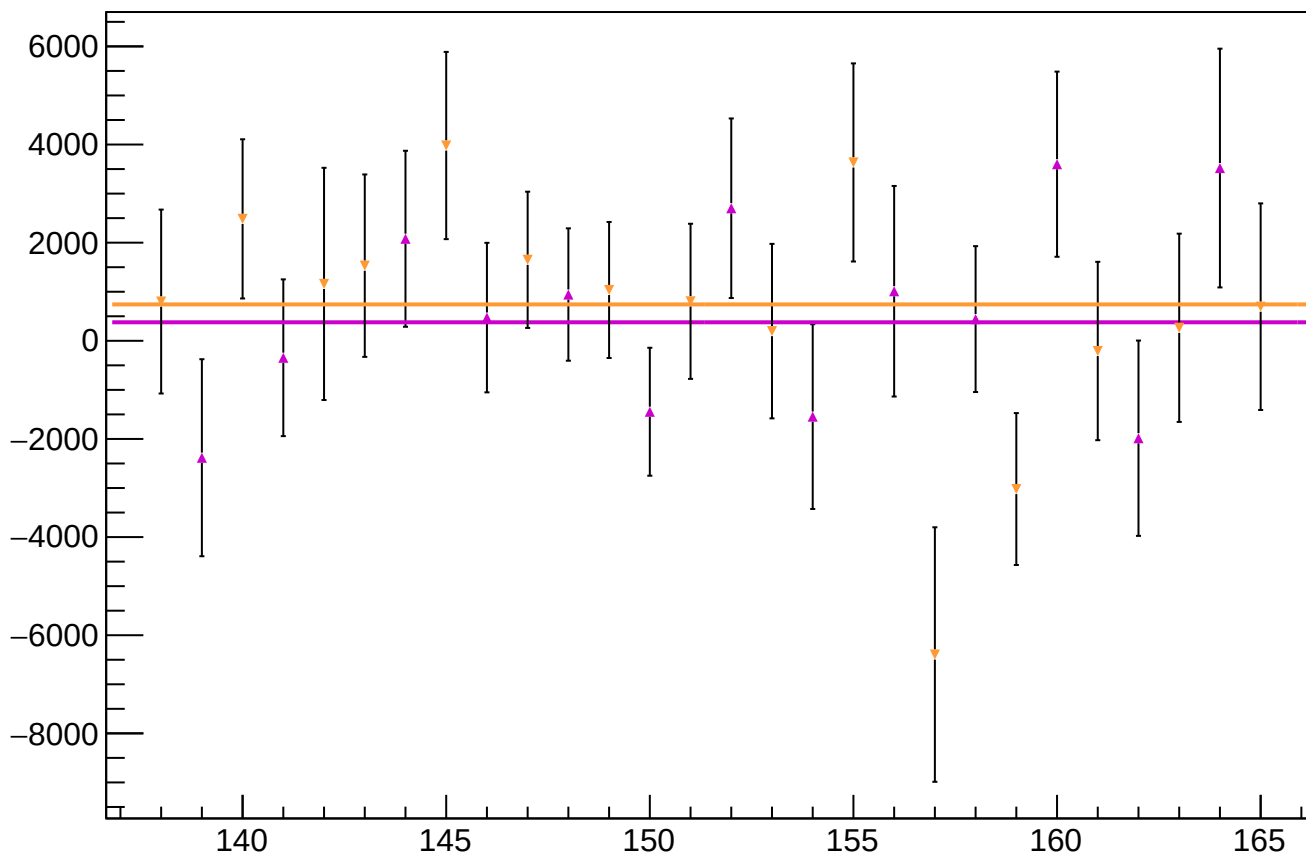
Right: 1152.217 $\pm$ 0.220 χ^2 /NDF: 294359.2/35

In: 1145.789 $\pm$ 0.196 χ^2 /NDF:298026.6/29

Out: 1140.072 $\pm$ 0.188 χ^2 /NDF:33762.0/33

All: 1142.812 $\pm$ 0.136 χ^2 /NDF: 332229.8/63

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 741.870+/-457.630 χ^2/NDF :20.7/14

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

Left In: 377.359+/-472.849 χ^2/NDF :13.9/12

Left: 565.575+/-328.842 χ^2/NDF : 34.9/27

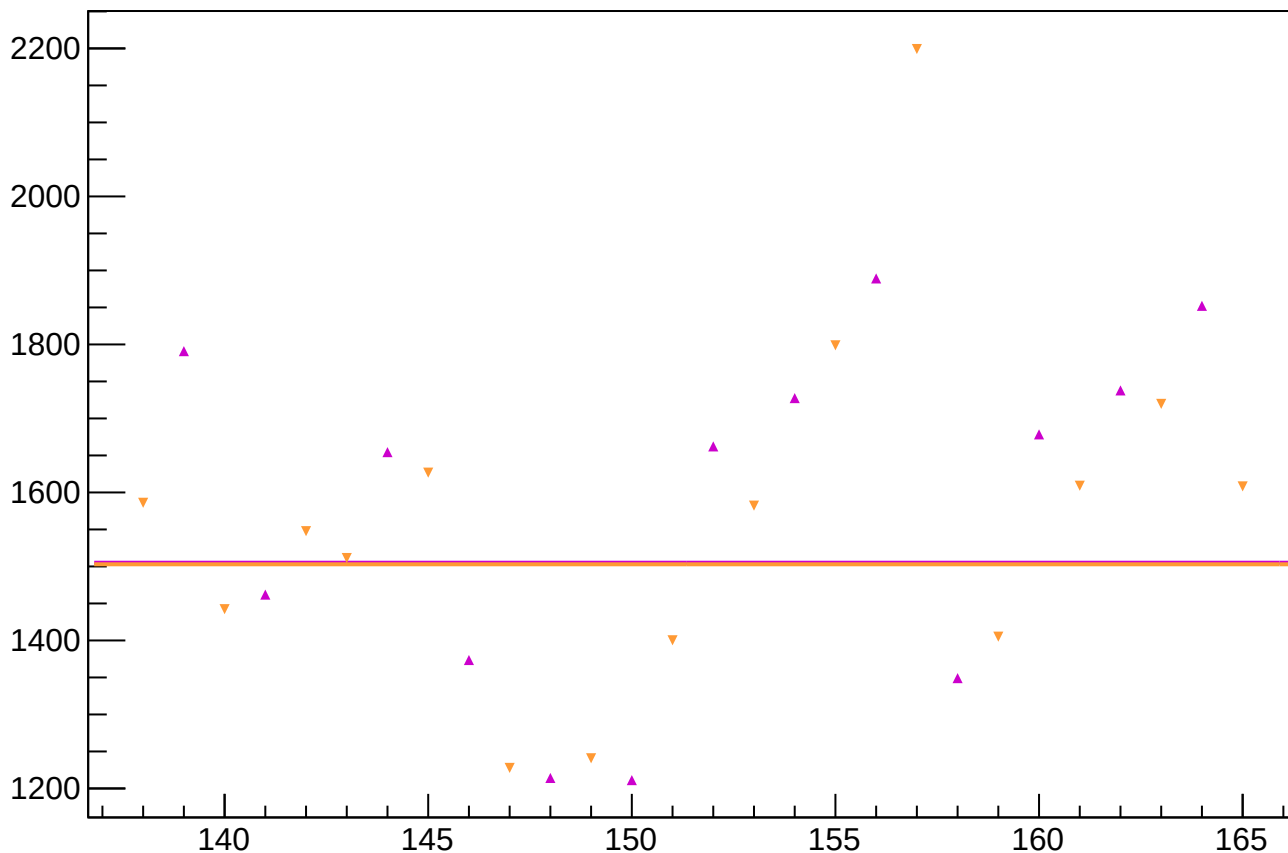
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 377.359+/-472.849 χ^2/NDF :13.9/12

Out: 741.870+/-457.630 χ^2/NDF :20.7/14

All: 565.575+/-328.842 χ^2/NDF : 34.9/27

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1502.914+/-0.324 χ^2/NDF : 410885.7/14

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

Left In: 1505.037+/-0.334 χ^2/NDF : 479110.9/12

Left: 1503.941+/-0.233 χ^2/NDF : 890017.3/27

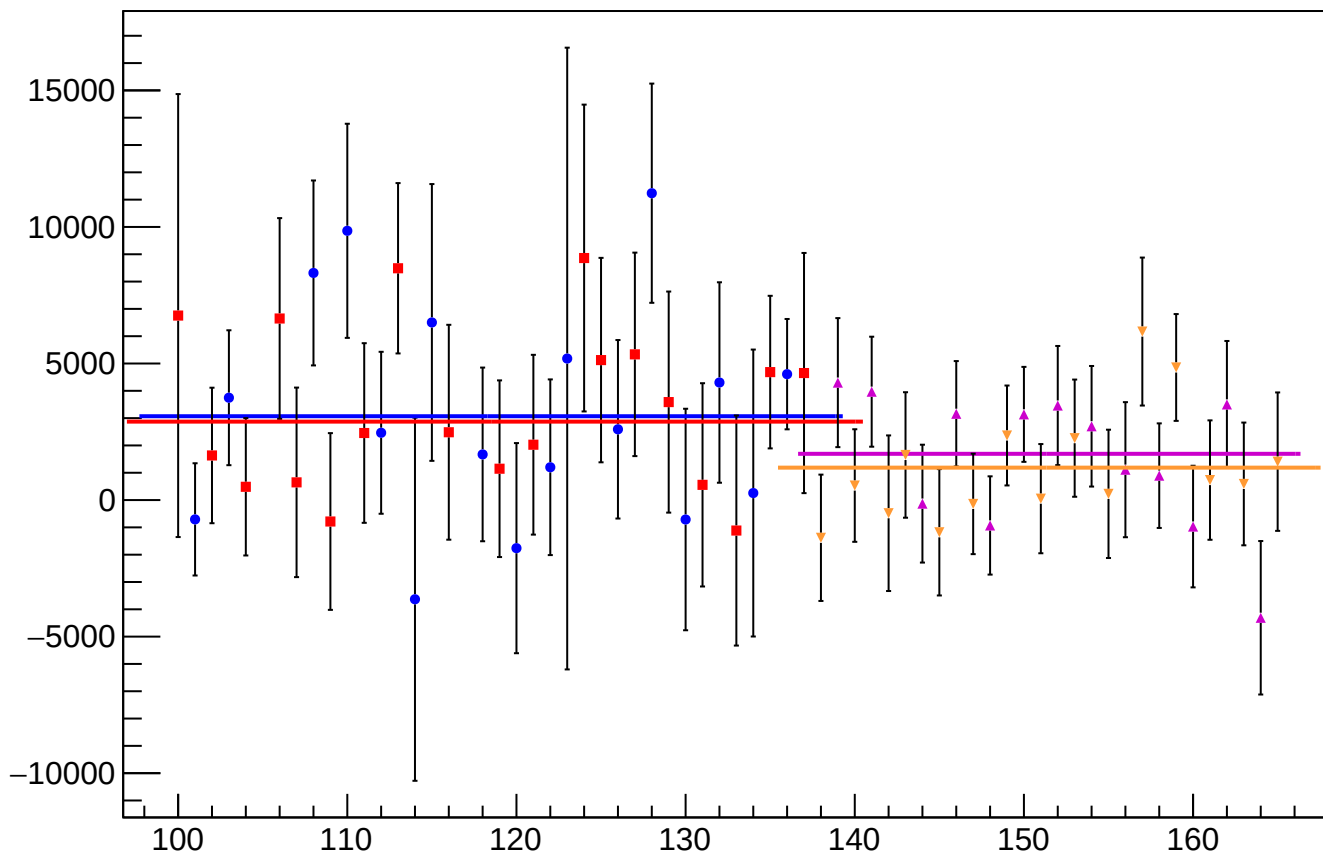
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1505.037+/-0.334 χ^2/NDF : 479110.9/12

Out: 1502.914+/-0.324 χ^2/NDF : 410885.7/14

All: 1503.941+/-0.233 χ^2/NDF : 890017.3/27

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1187.101 $\pm$ 565.607 χ^2/NDF : 11.5/14

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

Left In: 1693.314 $\pm$ 585.796 χ^2/NDF : 14.3/12

Left: 1431.334 $\pm$ 406.895 χ^2/NDF : 26.2/27

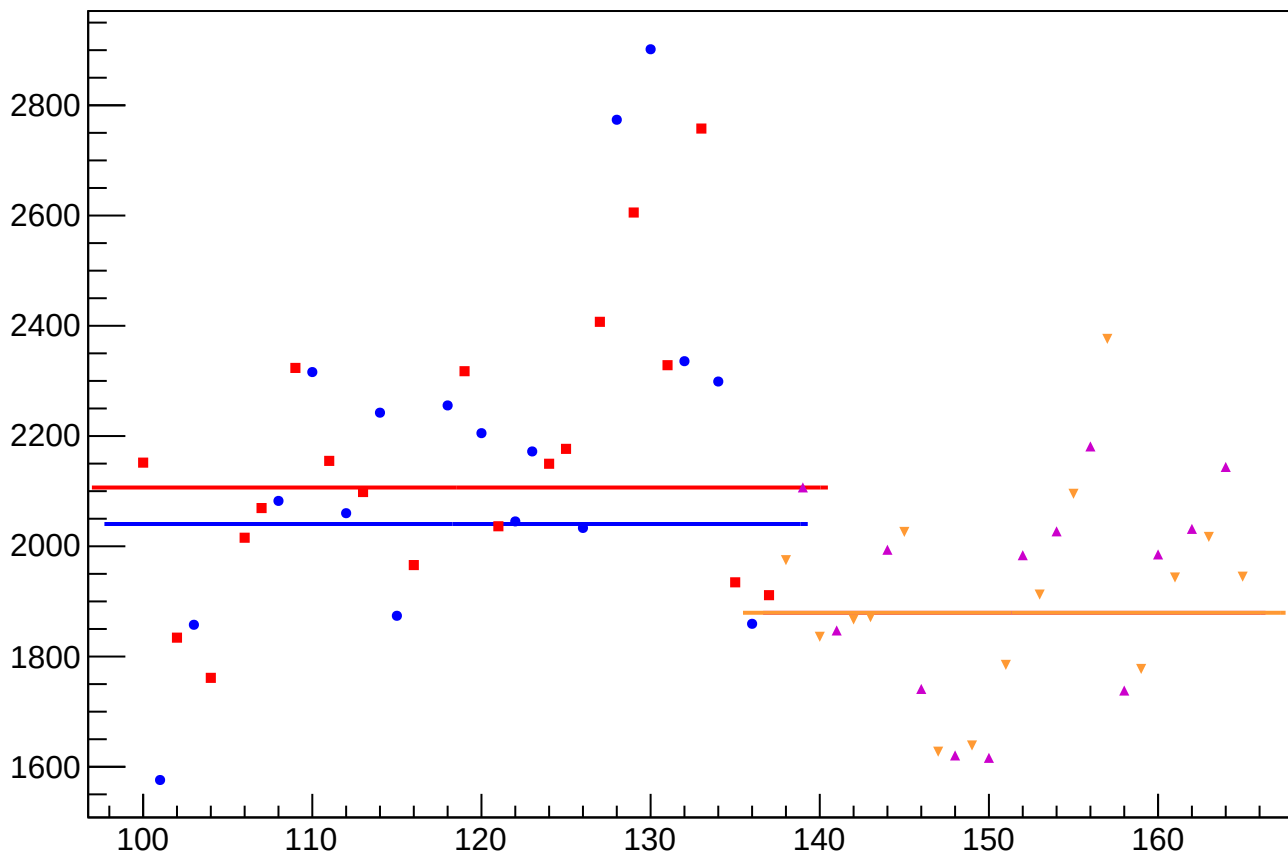
Right: 2970.754 $\pm$ 563.242 χ^2/NDF : 30.1/35

In: 2175.417 $\pm$ 472.167 χ^2/NDF : 34.8/29

Out: 1753.207 $\pm$ 460.938 χ^2/NDF : 26.0/33

All: 1959.232 $\pm$ 329.831 χ^2/NDF : 61.2/63

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1879.412+/-0.400 χ^2/NDF :189667.2/14

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

Left In: 1879.224+/-0.414 χ^2/NDF :207114.4/12

Left: 1879.321+/-0.288 χ^2/NDF : 396781.7/27

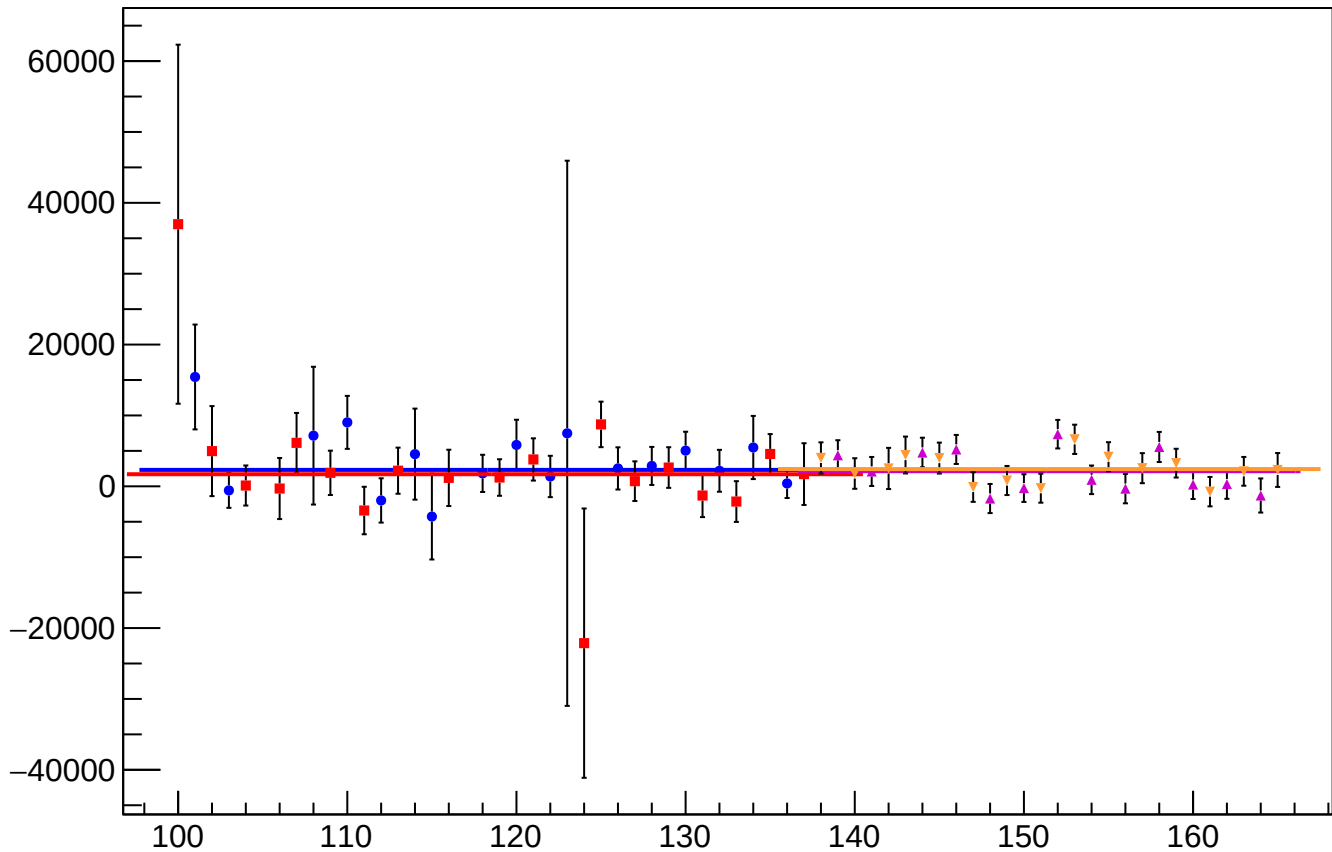
Right: 2073.628+/-0.398 χ^2/NDF : 533659.8/35

In: 1935.699+/-0.334 χ^2/NDF :591516.6/29

Out: 1955.724+/-0.326 χ^2/NDF :493482.0/33

All: 1945.953+/-0.233 χ^2/NDF : 1086840.6/63

dit_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2432.949 $\pm$ 559.822 χ^2 /NDF:12.9/14

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

Left In: 2136.175 $\pm$ 575.873 χ^2 /NDF:24.7/12

Left: 2288.755 $\pm$ 401.409 χ^2 /NDF: 37.7/27

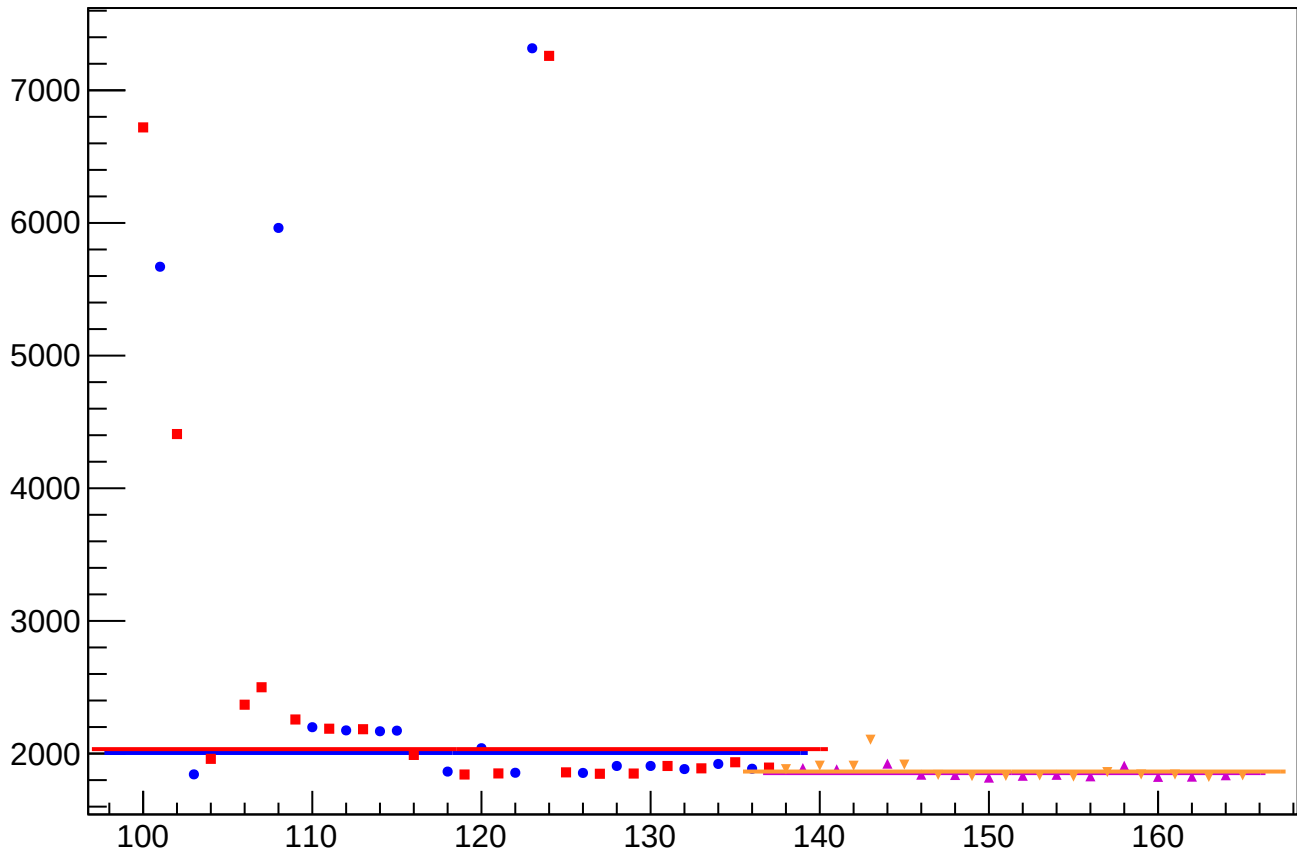
Right: 2005.073 $\pm$ 560.015 χ^2 /NDF: 32.3/35

In: 2198.440 $\pm$ 467.663 χ^2 /NDF:39.5/29

Out: 2186.816 $\pm$ 455.368 χ^2 /NDF:30.6/33

All: 2192.473 $\pm$ 326.254 χ^2 /NDF: 70.2/63

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1864.551+/-0.396 χ^2/NDF : 23669.7/14

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

Left In: 1852.685+/-0.407 χ^2/NDF : 6860.9/12

Left: 1858.786+/-0.284 χ^2/NDF : 30967.3/27

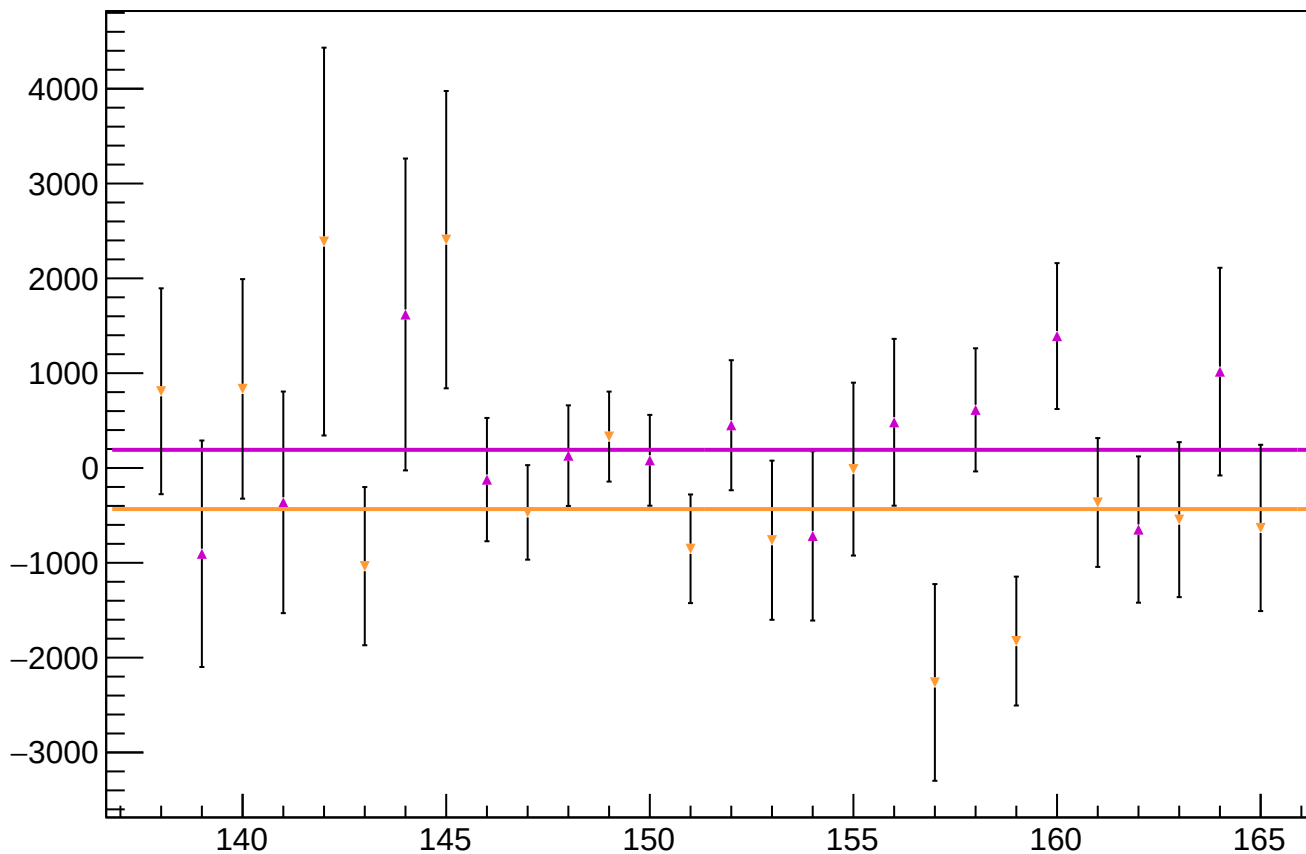
Right: 2019.360+/-0.396 χ^2/NDF : 1528357.7/35

In: 1904.396+/-0.331 χ^2/NDF : 970235.2/29

Out: 1921.713+/-0.322 χ^2/NDF : 696305.2/33

All: 1913.285+/-0.231 χ^2/NDF : 1667948.0/63

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -433.431+/-196.614 χ^2/NDF :19.1/14

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

Left In: 191.607+/-207.040 χ^2/NDF :8.0/12

Left: -137.046+/-142.570 χ^2/NDF : 31.9/27

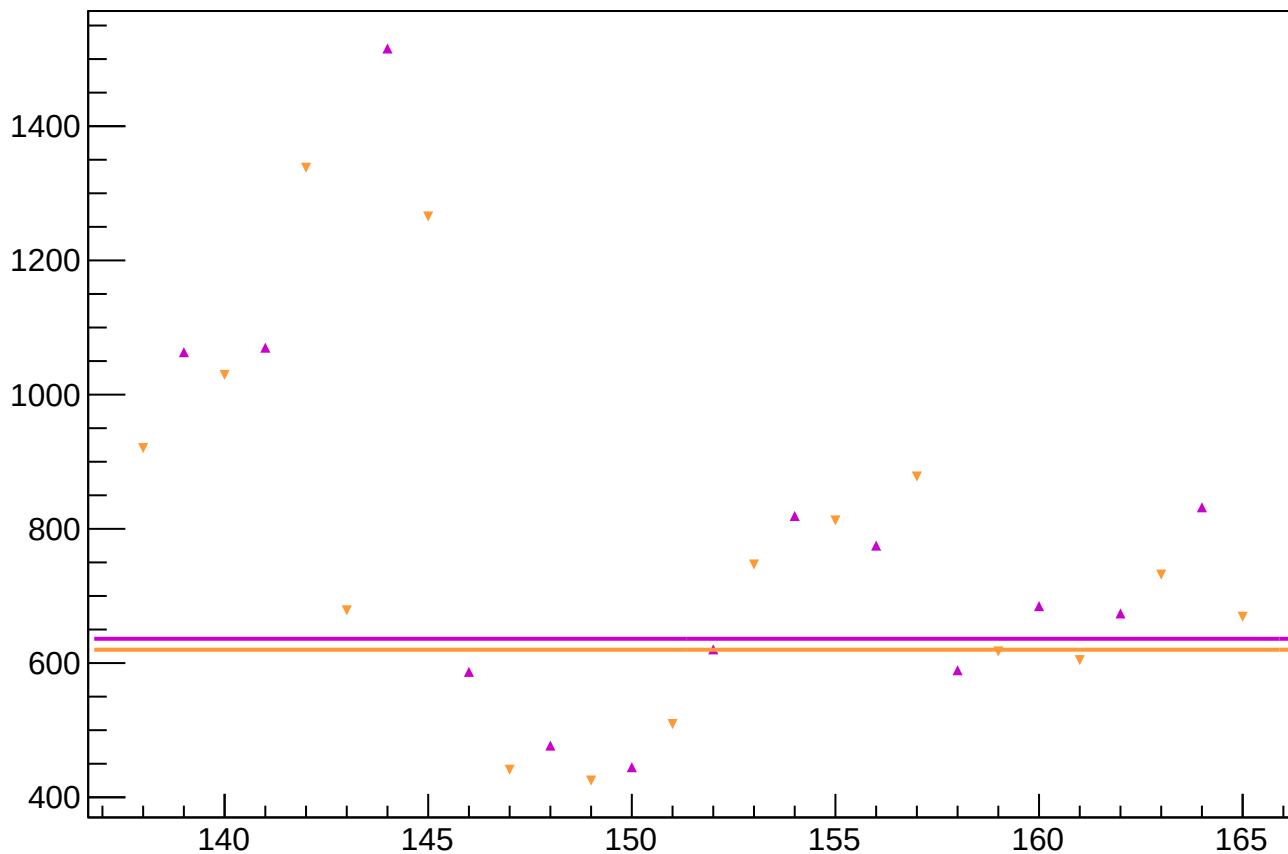
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 191.607+/-207.040 χ^2/NDF :8.0/12

Out: -433.431+/-196.614 χ^2/NDF :19.1/14

All: -137.046+/-142.570 χ^2/NDF : 31.9/27

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 619.907+/-0.139 χ^2/NDF :1972396.2/14

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

Left In: 636.211+/-0.146 χ^2/NDF :1836375.8/12

Left: 627.638+/-0.101 χ^2/NDF : 3815293.2/27

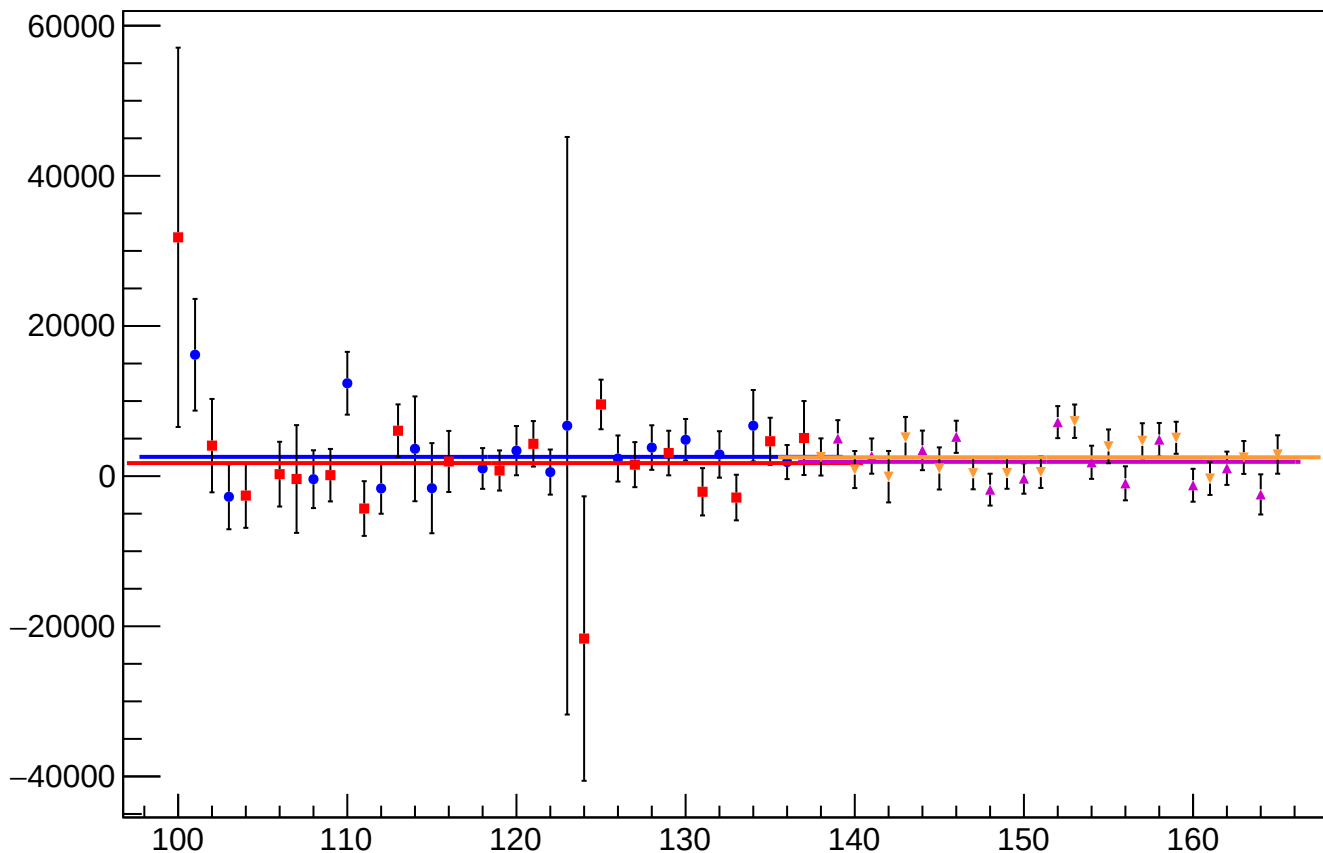
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 636.211+/-0.146 χ^2/NDF :1836375.8/12

Out: 619.907+/-0.139 χ^2/NDF :1972396.2/14

All: 627.638+/-0.101 χ^2/NDF : 3815293.2/27

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2566.797+/-856.089 χ^2/NDF : 15.6/16

Left Out: 2512.996+/-607.458 χ^2/NDF : 14.2/14

Right Out: 1737.684+/-853.181 χ^2/NDF : 20.5/18

Left In: 1903.622+/-625.793 χ^2/NDF : 23.1/12

Left: 2217.367+/-435.875 χ^2/NDF : 37.8/27

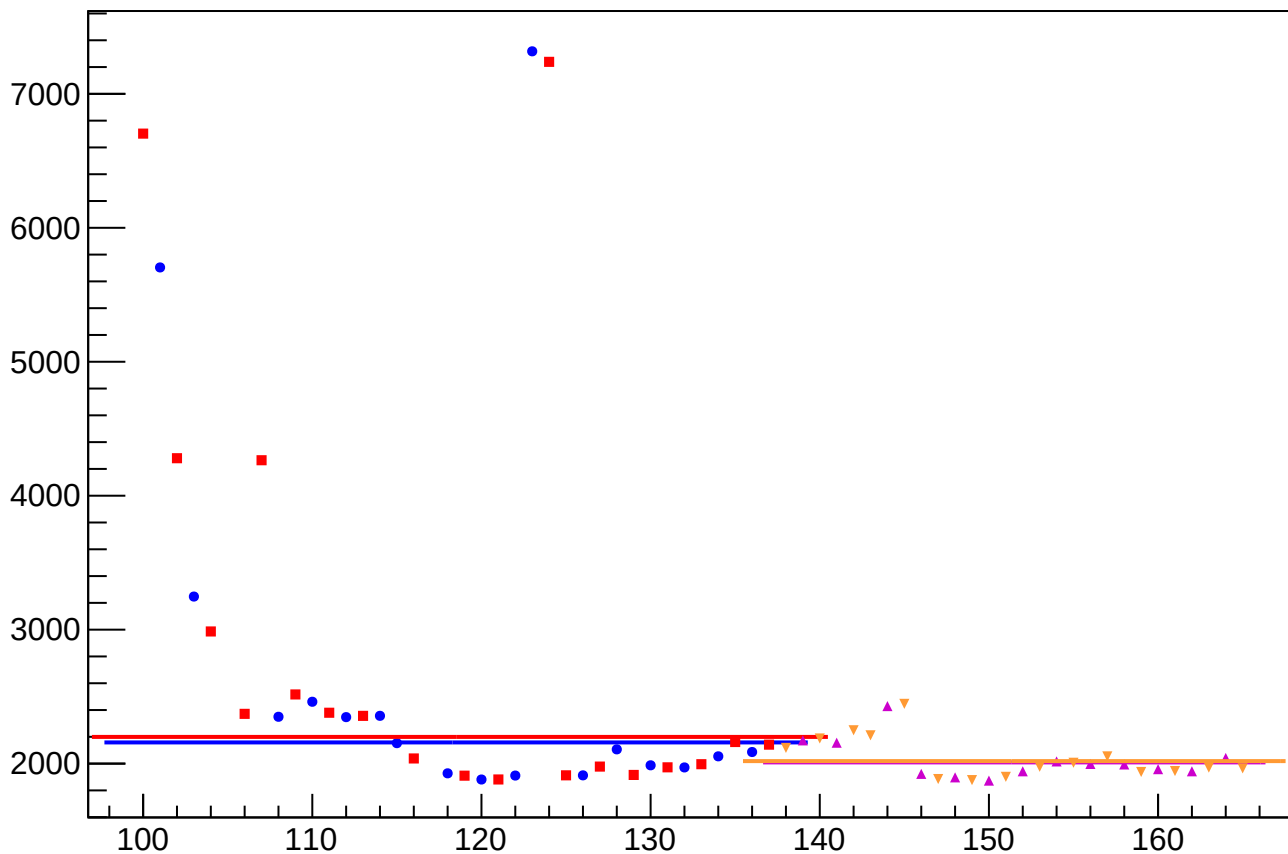
Right: 2150.830+/-604.316 χ^2/NDF : 36.5/35

In: 2134.577+/-505.206 χ^2/NDF : 39.1/29

Out: 2252.181+/-494.845 χ^2/NDF : 35.2/33

All: 2194.597+/-353.515 χ^2/NDF : 74.3/63

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2018.686 $\pm$ 0.430 χ^2/NDF : 109231.4/14

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

Left In: 2009.021 $\pm$ 0.443 χ^2/NDF : 90847.7/12

Left: 2013.997 $\pm$ 0.308 χ^2/NDF : 200324.6/27

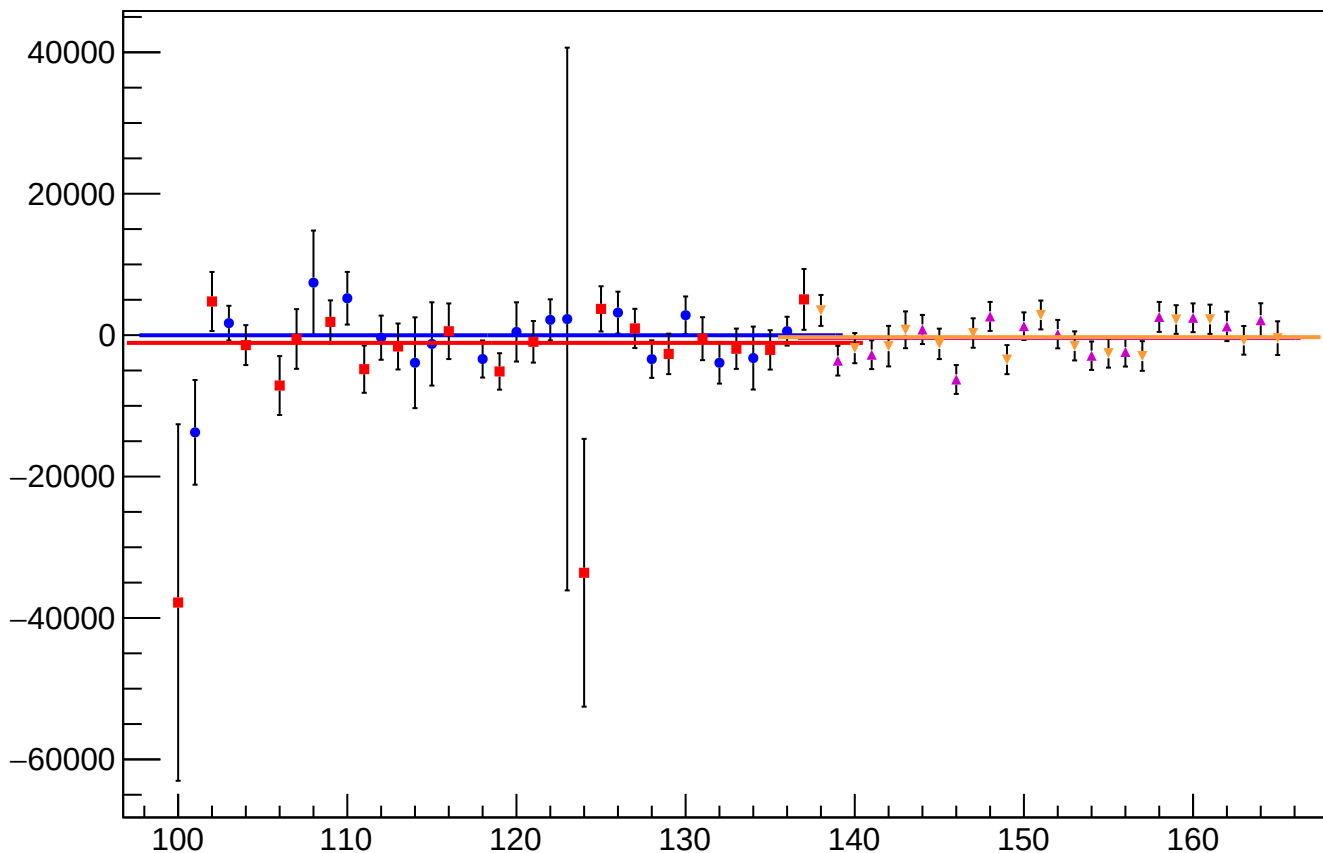
Right: 2178.816 $\pm$ 0.427 χ^2/NDF : 1519207.5/35

In: 2060.956 $\pm$ 0.357 χ^2/NDF : 844262.9/29

Out: 2079.459 $\pm$ 0.350 χ^2/NDF : 971760.1/33

All: 2070.399 $\pm$ 0.250 χ^2/NDF : 1817392.2/63

dit_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -285.016 ± 557.166 χ^2/NDF : 15.2/14

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

Left In: -413.077 ± 573.680 χ^2/NDF : 23.4/12

Left: -347.176 ± 399.687 χ^2/NDF : 38.6/27

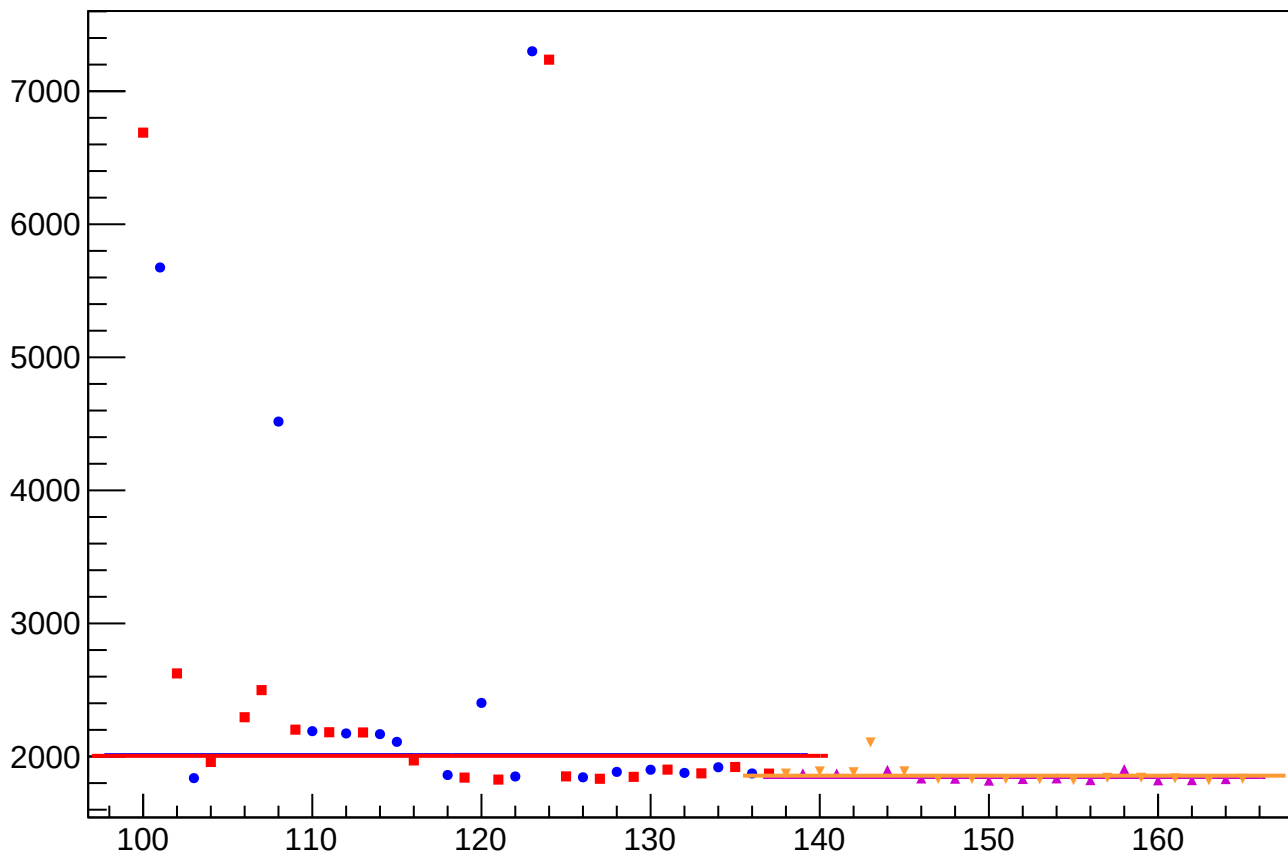
Right: -578.567 ± 555.139 χ^2/NDF : 36.2/35

In: -279.313 ± 466.479 χ^2/NDF : 39.4/29

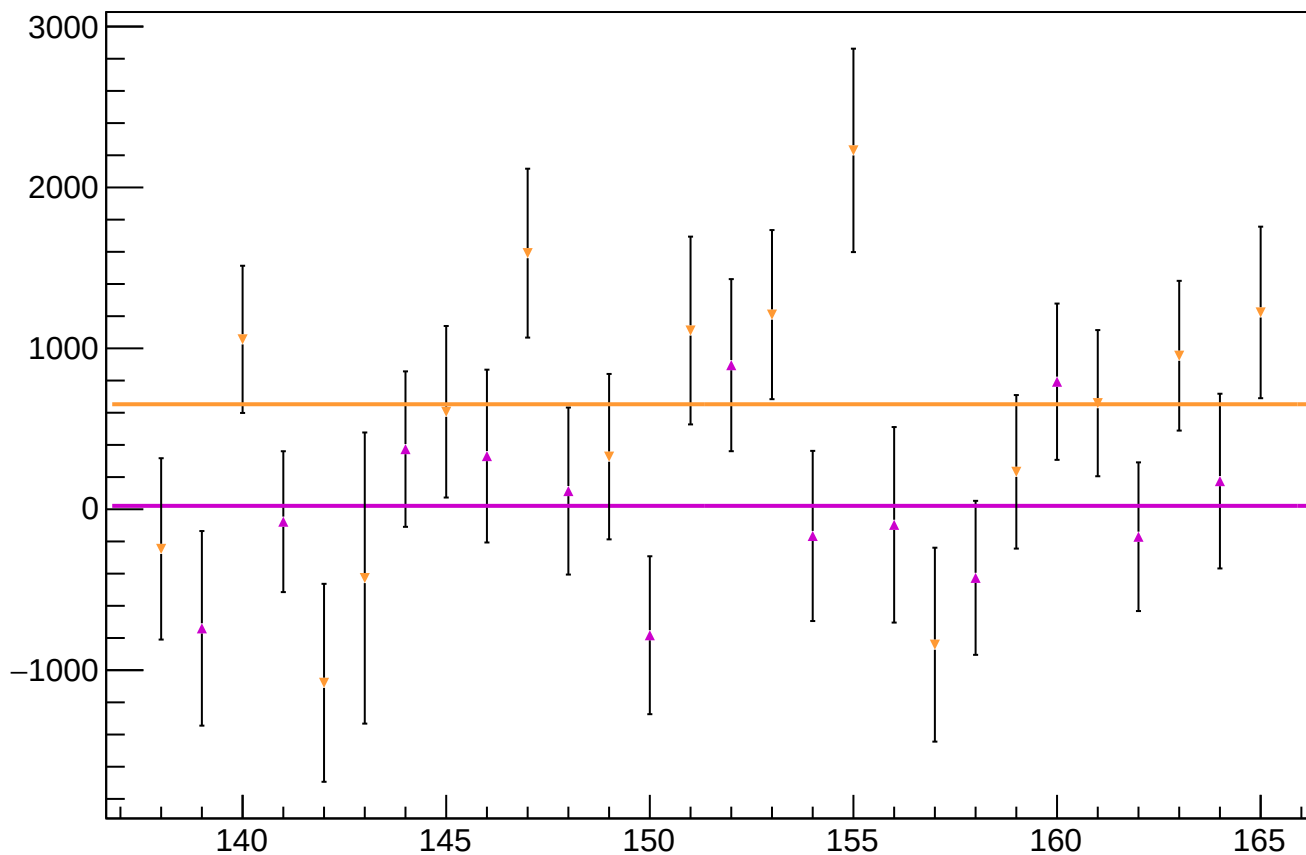
Out: -563.650 ± 451.333 χ^2/NDF : 35.3/33

All: -426.172 ± 324.363 χ^2/NDF : 74.9/63

dit_asym_at1_dd_rms vs Slug, Sign Corrected



asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 652.708+/-138.784 χ^2/NDF : 32.7/14

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

Left In: 21.292+/-141.372 χ^2/NDF : 11.7/12

Left: 342.832+/-99.037 χ^2/NDF : 54.6/27

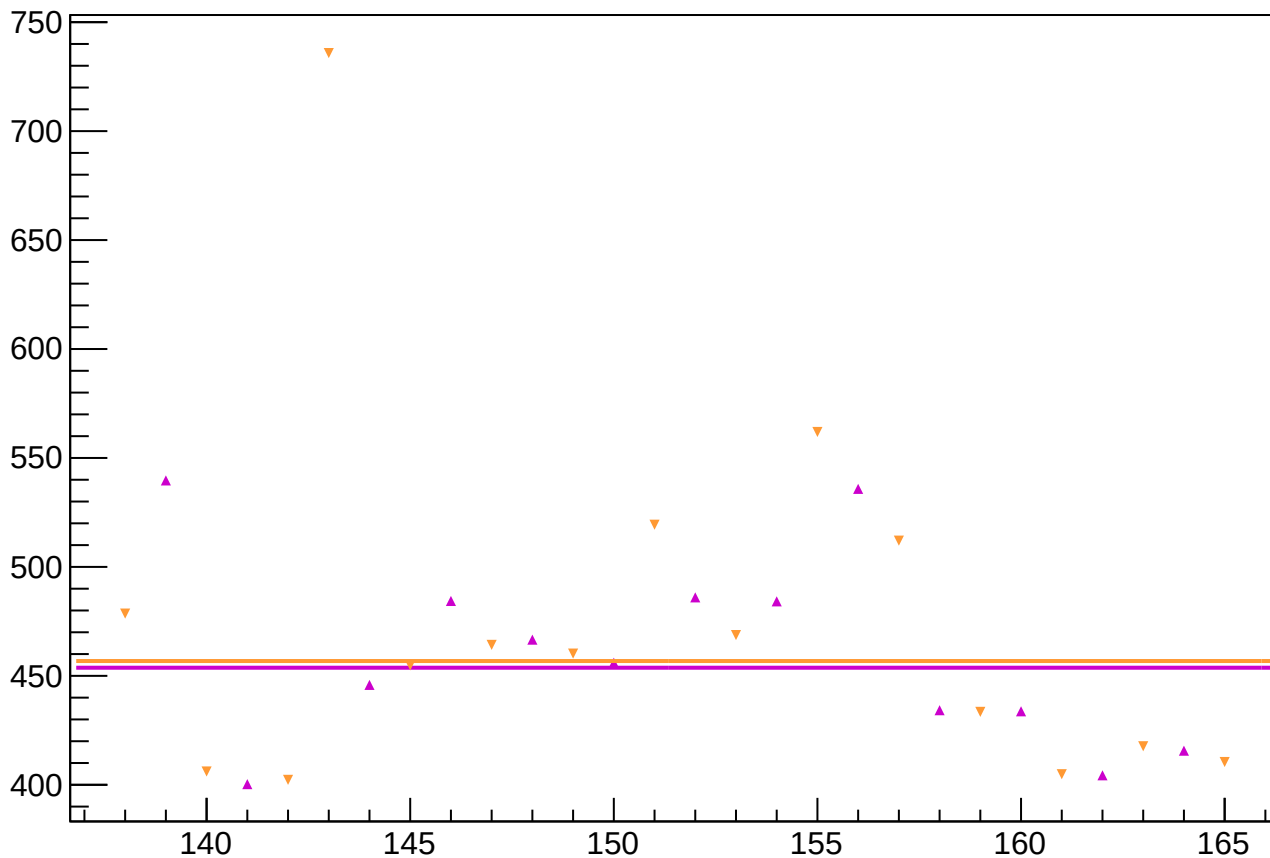
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 21.292+/-141.372 χ^2/NDF : 11.7/12

Out: 652.708+/-138.784 χ^2/NDF : 32.7/14

All: 342.832+/-99.037 χ^2/NDF : 54.6/27

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 456.802+/-0.098 χ^2/NDF :390359.7/14

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

Left In: 453.731+/-0.100 χ^2/NDF :168340.2/12

Left: 455.295+/-0.070 χ^2/NDF : 559180.5/27

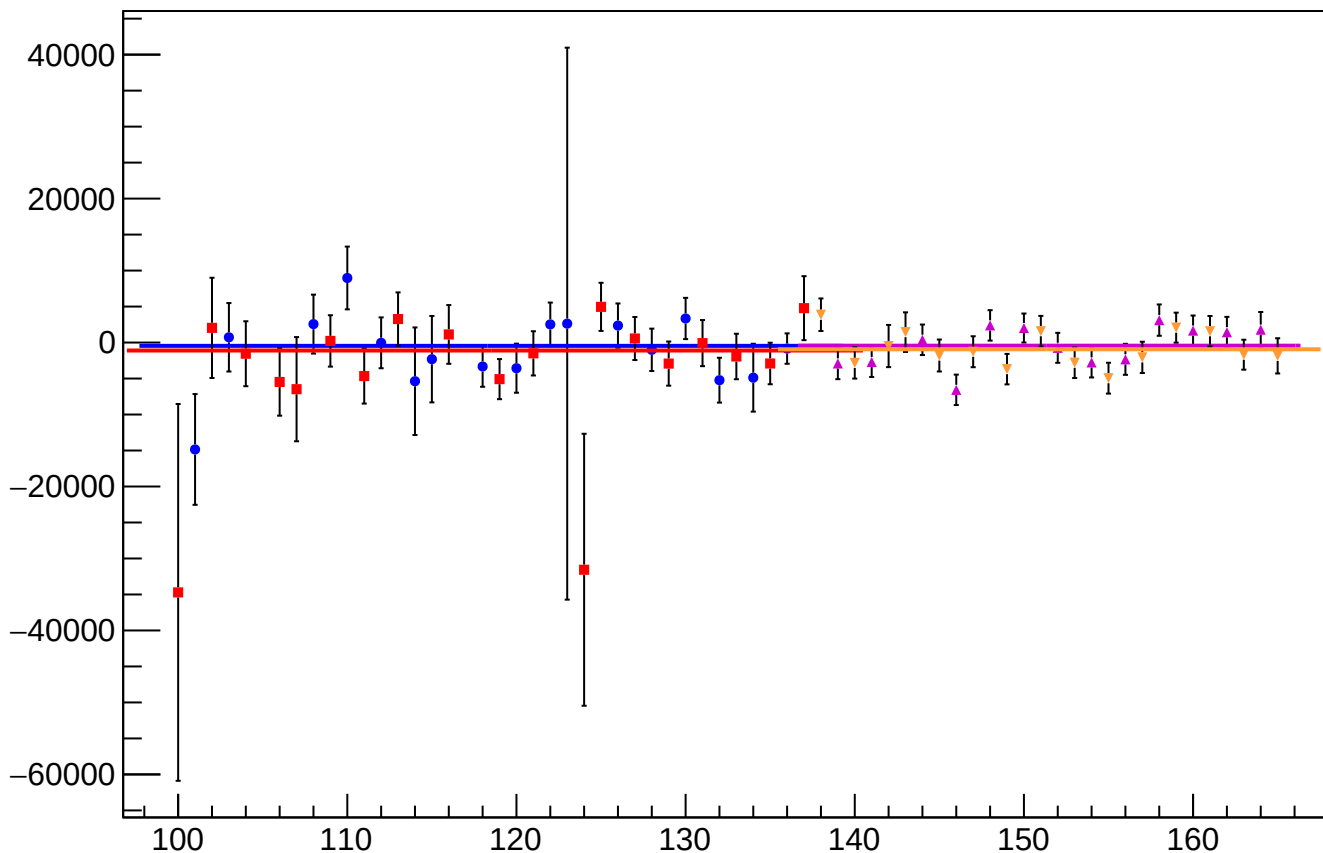
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 453.731+/-0.100 χ^2/NDF :168340.2/12

Out: 456.802+/-0.098 χ^2/NDF :390359.7/14

All: 455.295+/-0.070 χ^2/NDF : 559180.5/27

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -935.513+/-575.466 χ^2/NDF :17.6/14

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

Left In: -434.878+/-591.536 χ^2/NDF :21.6/12

Left: -692.088+/-412.480 χ^2/NDF : 39.5/27

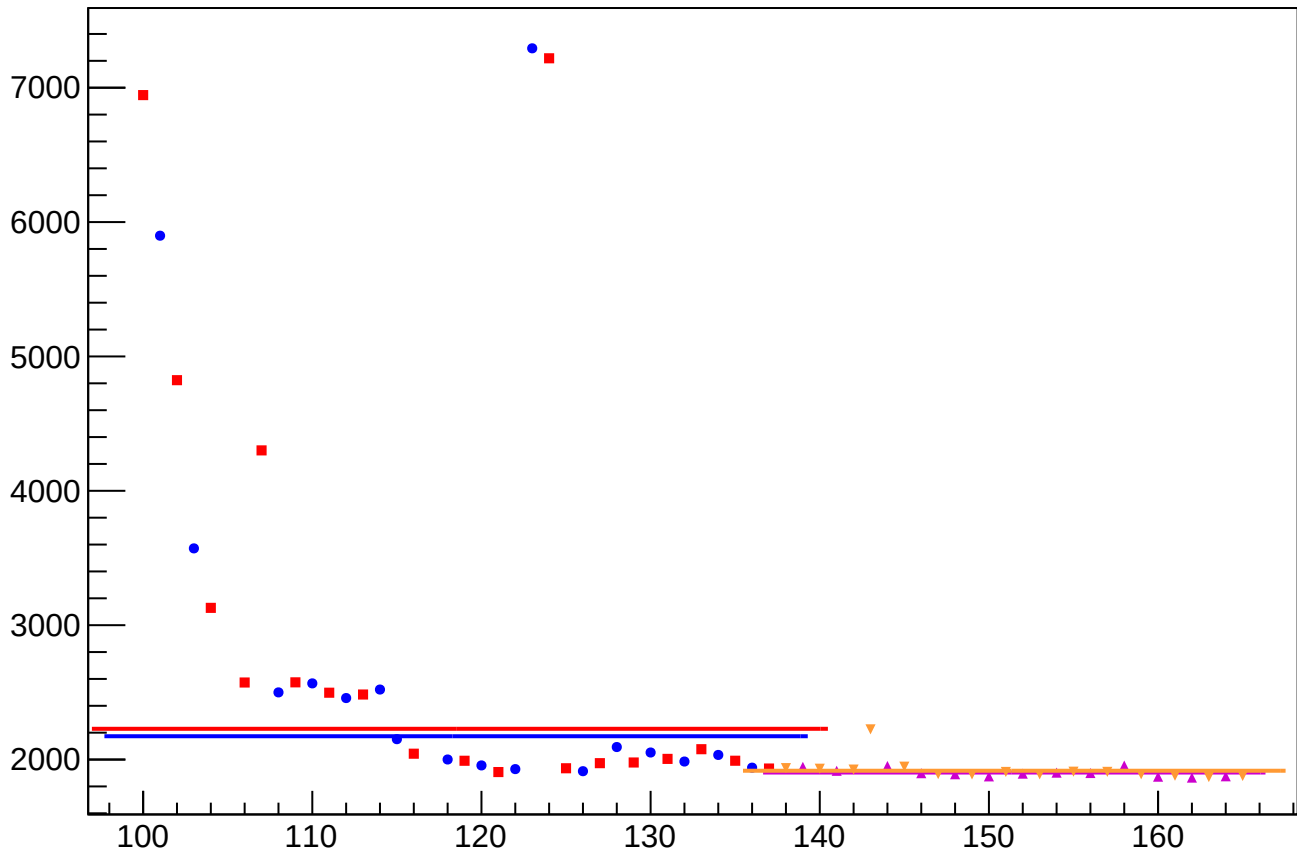
Right: -780.562+/-612.463 χ^2/NDF : 35.2/35

In: -442.343+/-488.307 χ^2/NDF :39.6/29

Out: -987.122+/-479.490 χ^2/NDF :34.5/33

All: -719.696+/-342.125 χ^2/NDF : 74.8/63

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2173.529 $\pm$ 0.612 χ^2 /NDF: 805360.7/16

Left Out: 1916.743 $\pm$ 0.407 χ^2 /NDF: 29236.2/14

Right Out: 2228.892 $\pm$ 0.613 χ^2 /NDF: 895863.4/18

Left In: 1903.388 $\pm$ 0.418 χ^2 /NDF: 4869.0/12

Left: 1910.249 $\pm$ 0.292 χ^2 /NDF: 34629.0/27

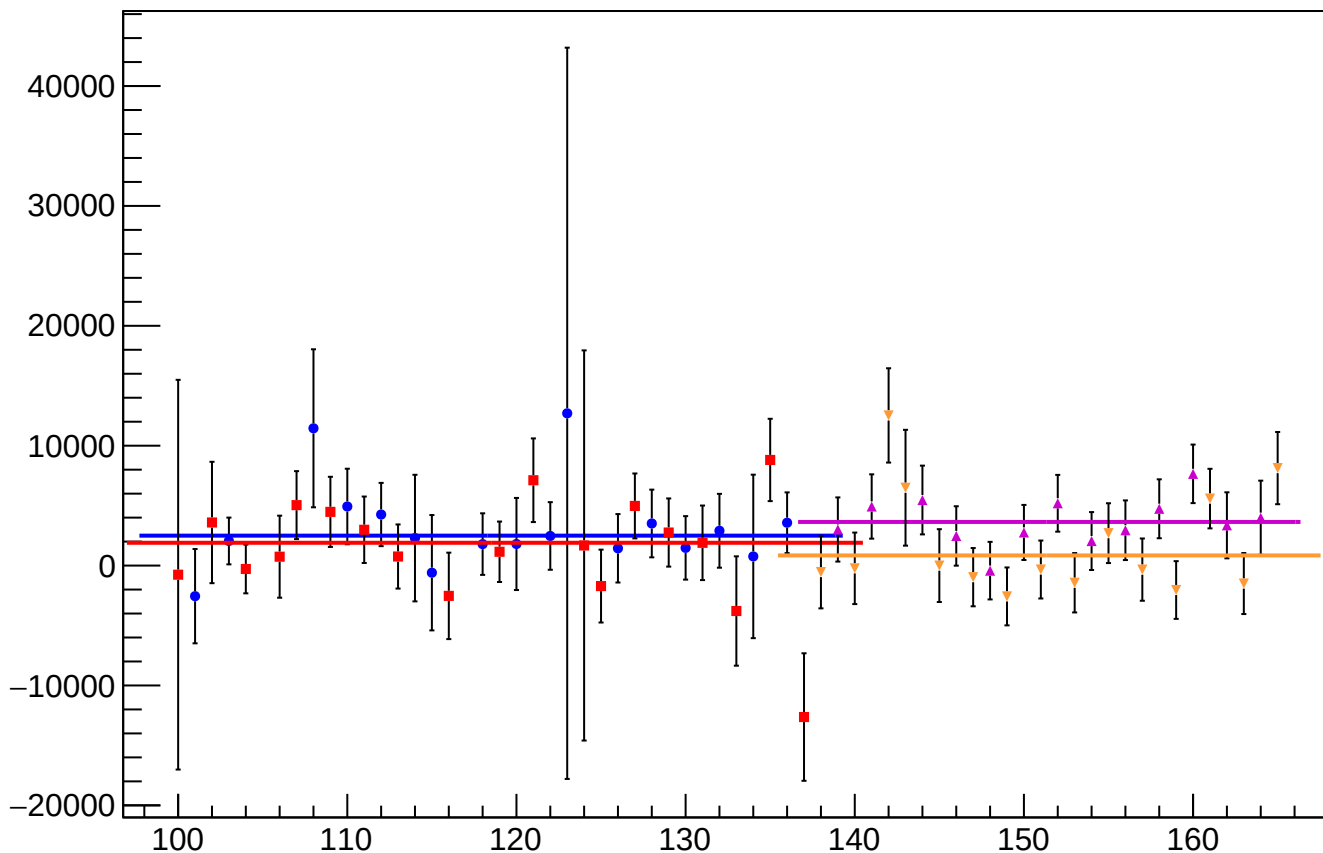
Right: 2201.146 $\pm$ 0.433 χ^2 /NDF: 1705309.7/35

In: 1989.446 $\pm$ 0.345 χ^2 /NDF: 943106.7/29

Out: 2012.182 $\pm$ 0.339 χ^2 /NDF: 1105018.5/33

All: 2001.021 $\pm$ 0.242 χ^2 /NDF: 2050332.7/63

dit_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 846.435 $\pm$ 703.456 χ^2/NDF : 26.8/14

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

Left In: 3639.547 $\pm$ 705.785 χ^2/NDF : 7.8/12

Left: 2238.376 $\pm$ 498.240 χ^2/NDF : 42.4/27

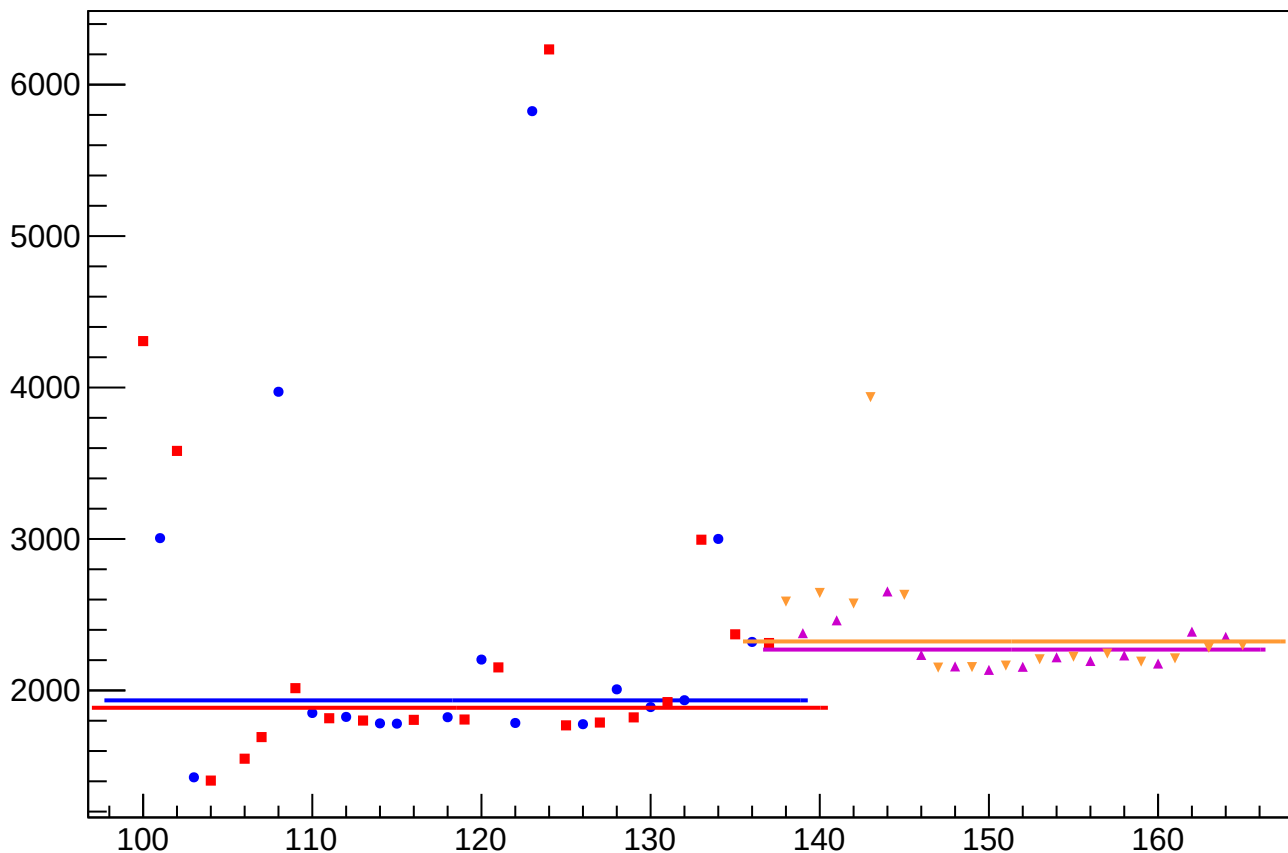
Right: 2187.370 $\pm$ 531.779 χ^2/NDF : 29.7/35

In: 3116.459 $\pm$ 519.762 χ^2/NDF : 14.9/29

Out: 1350.260 $\pm$ 508.796 χ^2/NDF : 51.3/33

All: 2214.532 $\pm$ 363.588 χ^2/NDF : 72.1/63

dit_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 2323.432 $\pm$ 0.497 χ^2 /NDF:339021.6/14

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

Left In: 2269.659 $\pm$ 0.499 χ^2 /NDF:76858.3/12

Left: 2296.634 $\pm$ 0.352 χ^2 /NDF: 421703.9/27

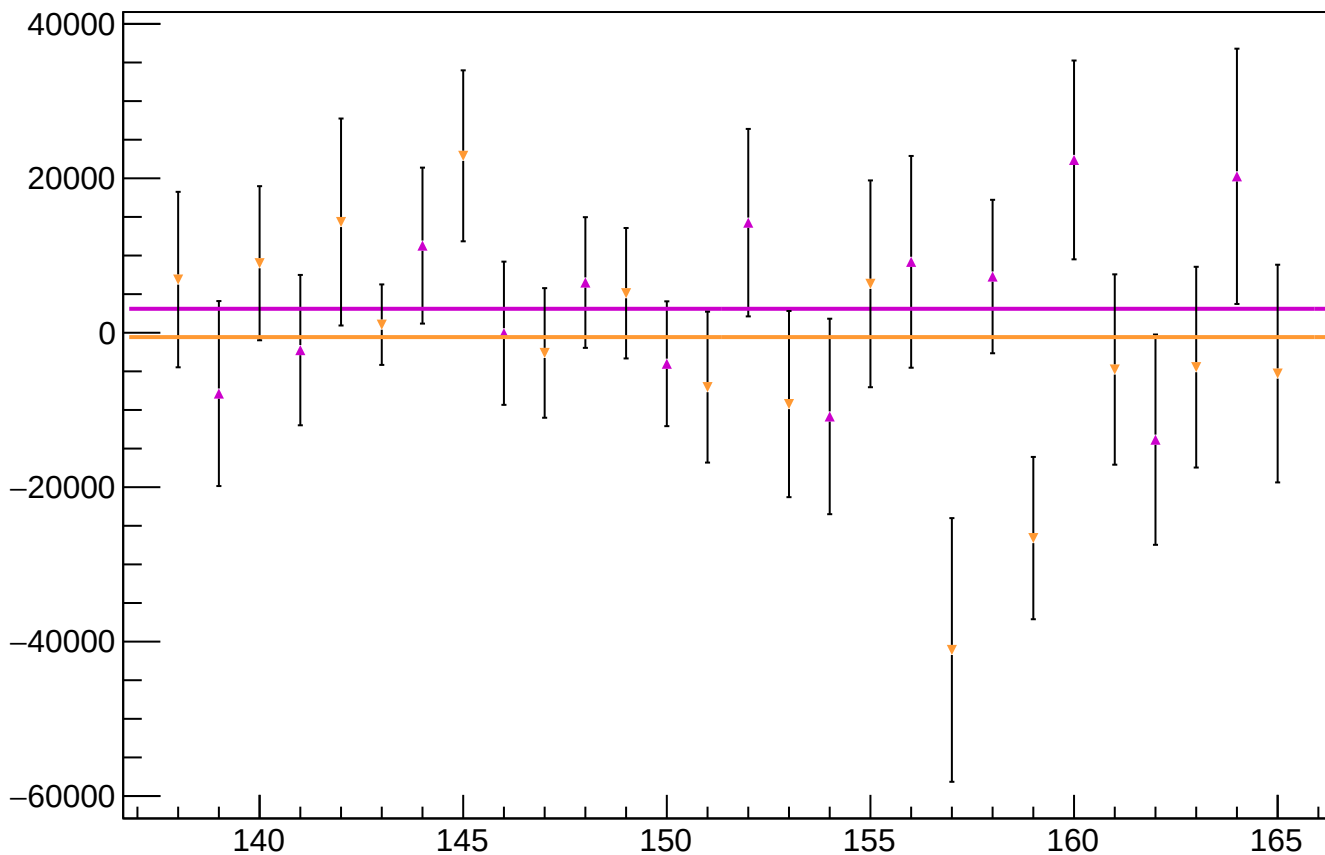
Right: 1908.949 $\pm$ 0.376 χ^2 /NDF: 1395226.1/35

In: 2116.222 $\pm$ 0.368 χ^2 /NDF:922310.9/29

Out: 2114.580 $\pm$ 0.360 χ^2 /NDF:1460734.5/33

All: 2115.383 $\pm$ 0.257 χ^2 /NDF: 2383055.6/63

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -563.309+/-2586.560 χ^2/NDF :21.0/14

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

Left In: 3102.949+/-2991.074 χ^2/NDF :10.2/12

Left: 1005.318+/-1956.480 χ^2/NDF : 32.0/27

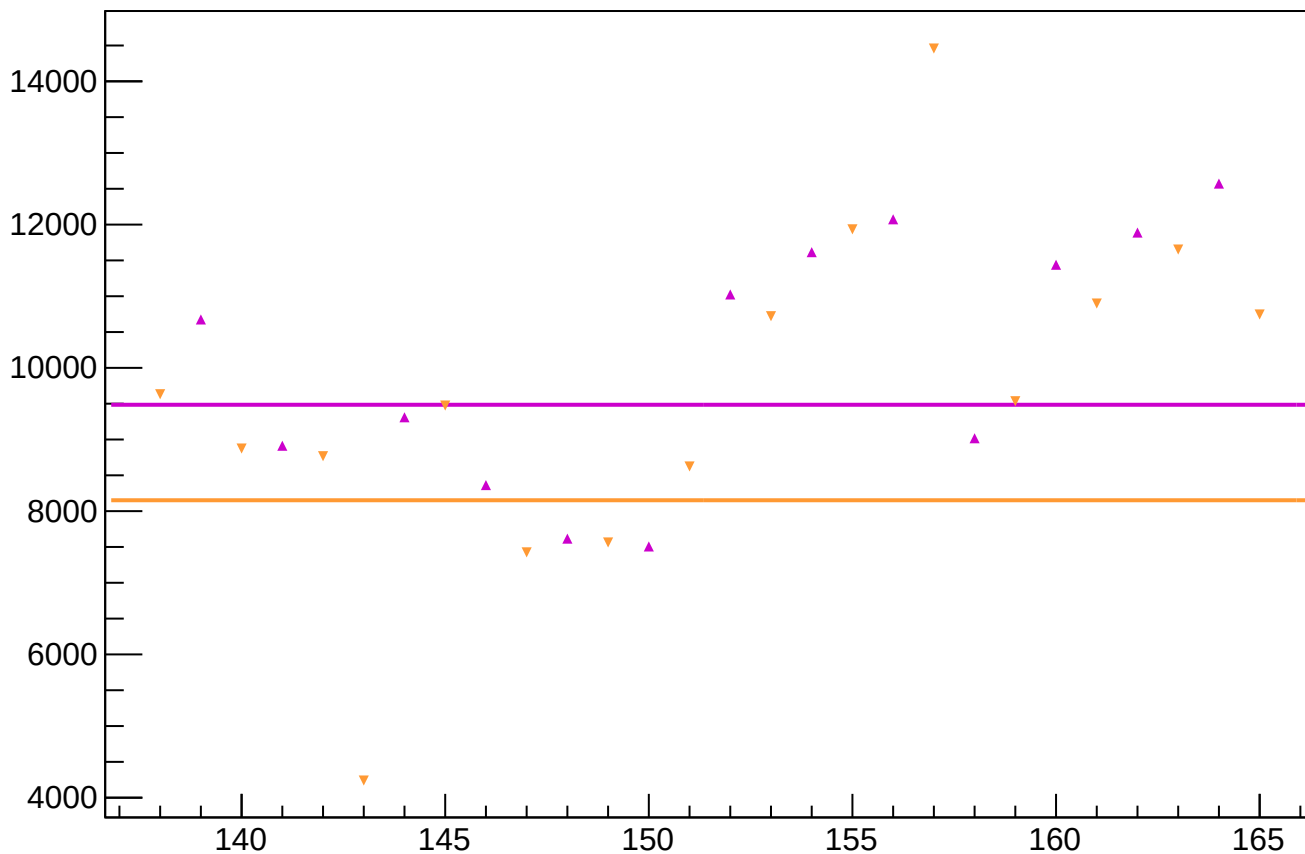
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3102.949+/-2991.074 χ^2/NDF :10.2/12

Out: -563.309+/-2586.560 χ^2/NDF :21.0/14

All: 1005.318+/-1956.480 χ^2/NDF : 32.0/27

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 8151.950+/-1.829 χ^2/NDF : 2103054.9/14

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

Left In: 9484.879+/-2.115 χ^2/NDF : 616488.3/12

Left: 8722.251+/-1.383 χ^2/NDF : 2946789.2/27

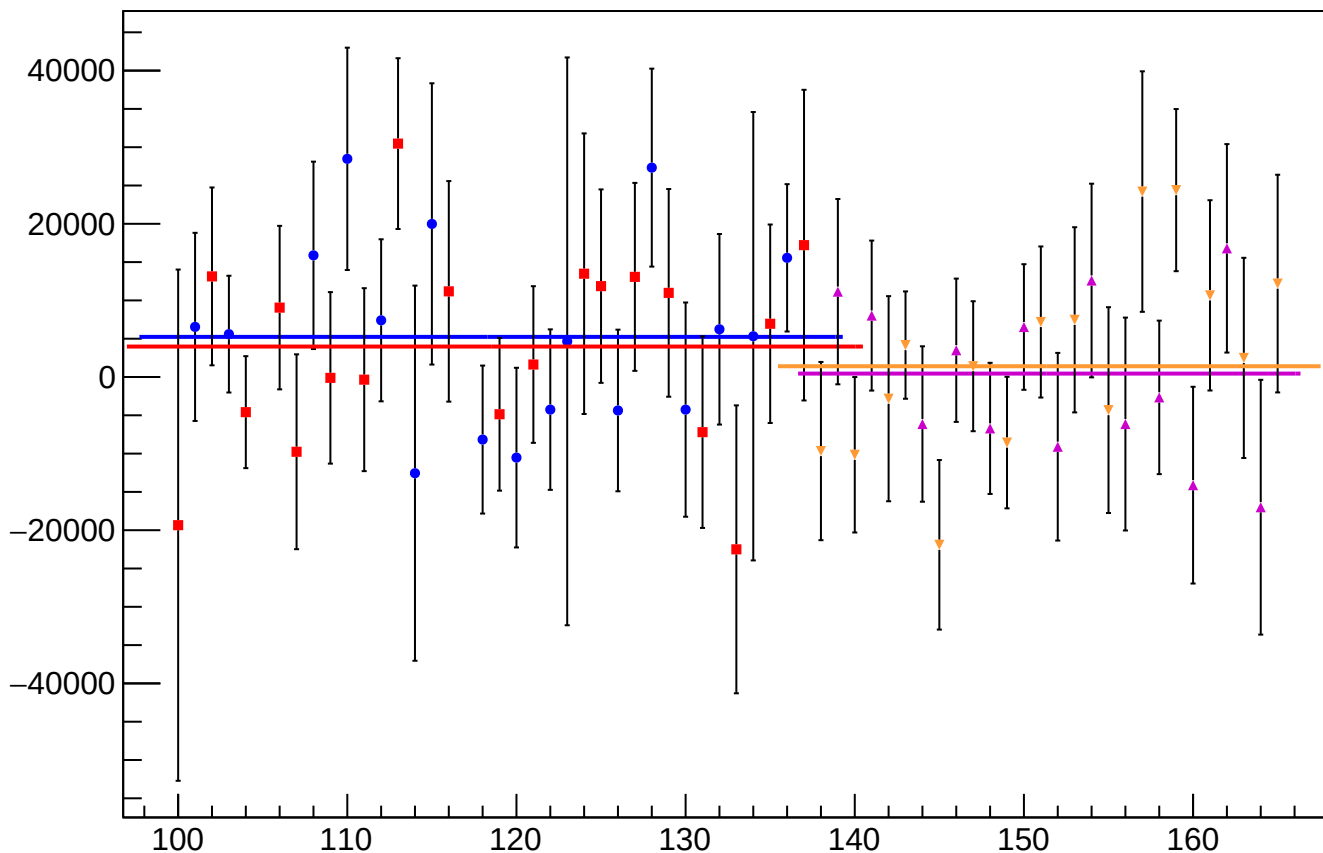
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9484.879+/-2.115 χ^2/NDF : 616488.3/12

Out: 8151.950+/-1.829 χ^2/NDF : 2103054.9/14

All: 8722.251+/-1.383 χ^2/NDF : 2946789.2/27

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1404.645+/-2756.511 χ^2/NDF :17.0/14

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

Left In: 446.863+/-3014.152 χ^2/NDF :8.8/12

Left: 968.431+/-2034.144 χ^2/NDF : 25.9/27

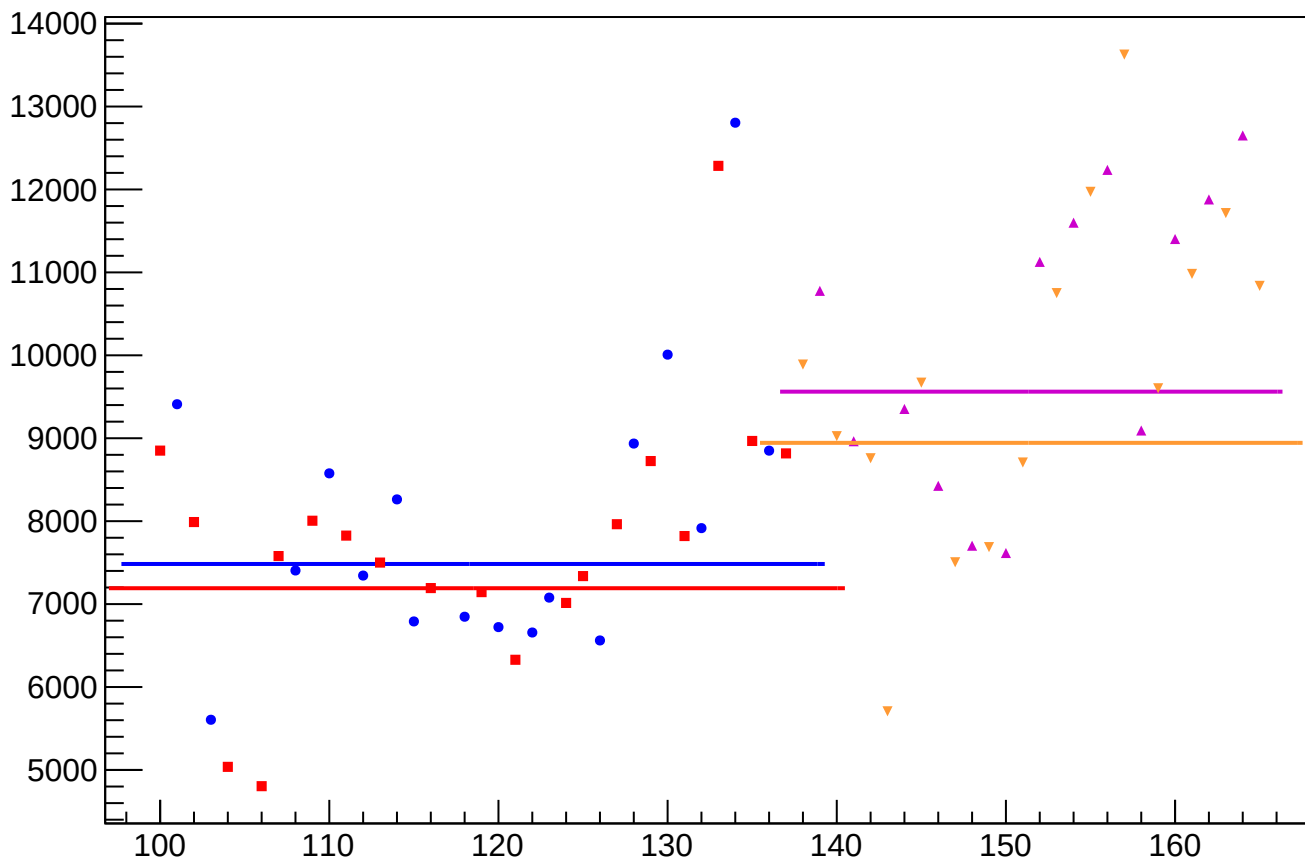
Right: 4573.057+/-2025.948 χ^2/NDF : 30.2/35

In: 2897.359+/-2106.879 χ^2/NDF :24.6/29

Out: 2674.634+/-1961.027 χ^2/NDF :33.0/33

All: 2778.021+/-1435.451 χ^2/NDF : 57.6/63

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 8944.452+/-1.949 χ^2/NDF : 1062004.6/14

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

Left In: 9561.702+/-2.131 χ^2/NDF : 595962.8/12

Left: 9225.574+/-1.438 χ^2/NDF : 1703641.0/27

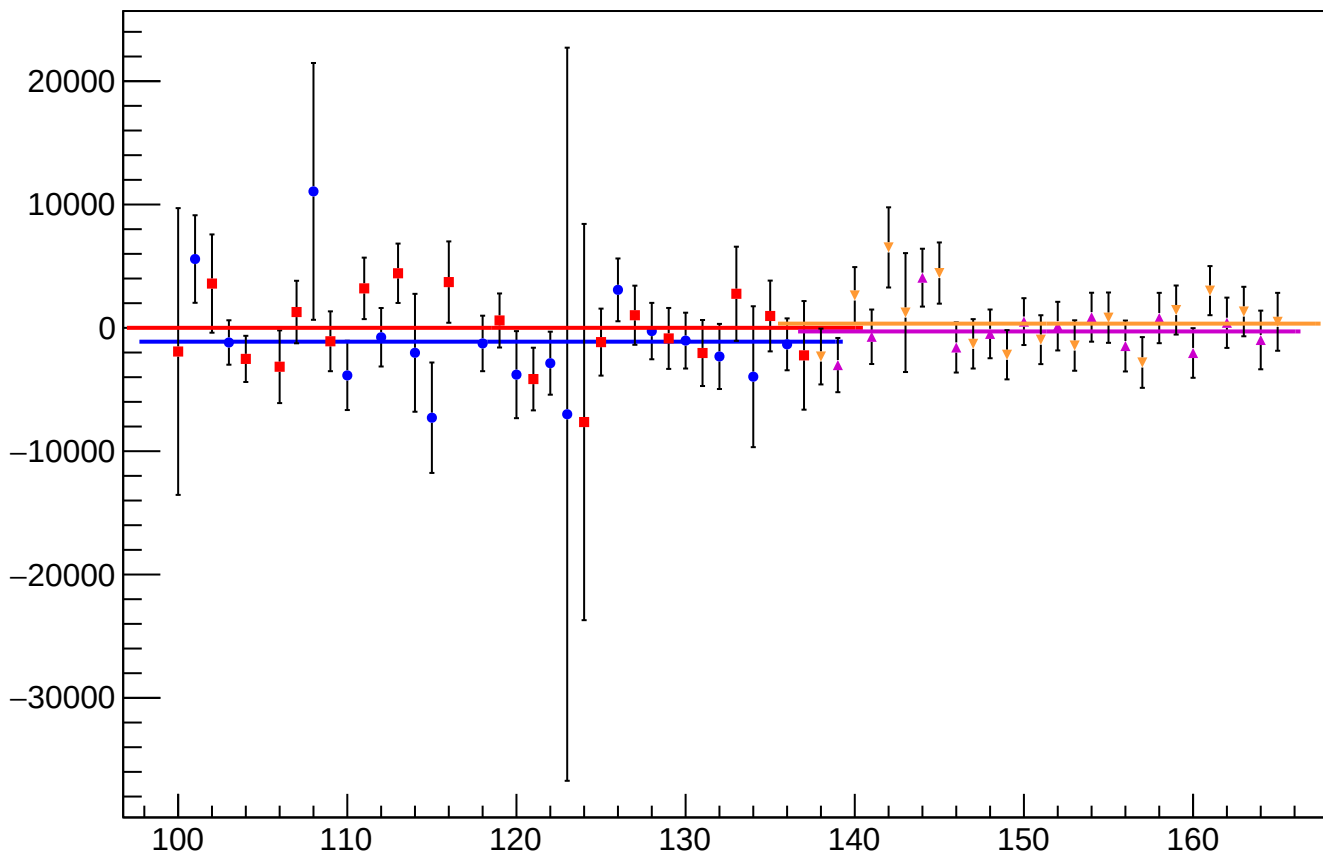
Right: 7329.673+/-1.432 χ^2/NDF : 1000940.7/35

In: 8499.018+/-1.490 χ^2/NDF : 1513876.1/29

Out: 8078.555+/-1.387 χ^2/NDF : 2020296.1/33

All: 8273.720+/-1.015 χ^2/NDF : 3576854.3/63

dit_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: 342.833 $\pm$ 568.919 χ^2/NDF : 17.0/14

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

Left In: -290.613 $\pm$ 575.484 χ^2/NDF : 7.6/12

Left: 29.744 $\pm$ 404.588 χ^2/NDF : 25.2/27

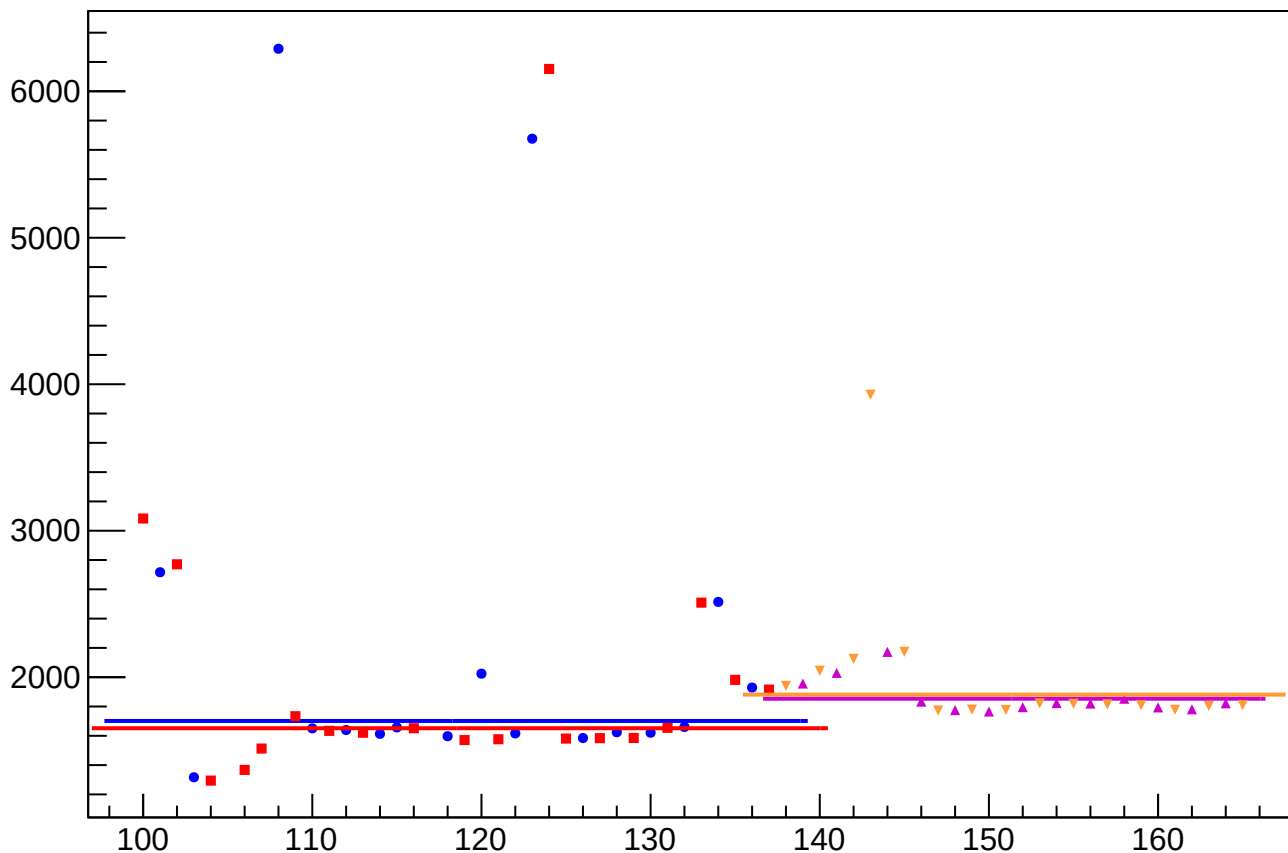
Right: -525.400 $\pm$ 465.654 χ^2/NDF : 29.2/35

In: -637.443 $\pm$ 439.059 χ^2/NDF : 20.7/29

Out: 192.530 $\pm$ 425.111 χ^2/NDF : 32.6/33

All: -209.064 $\pm$ 305.411 χ^2/NDF : 55.1/63

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1701.283 $\pm$ 0.480 χ^2 /NDF: 778718.7/16

Left Out: 1881.107 $\pm$ 0.402 χ^2 /NDF: 446469.3/14

Right Out: 1651.734 $\pm$ 0.452 χ^2 /NDF: 588842.2/18

Left In: 1853.019 $\pm$ 0.407 χ^2 /NDF: 69108.1/12

Left: 1867.224 $\pm$ 0.286 χ^2 /NDF: 517986.9/27

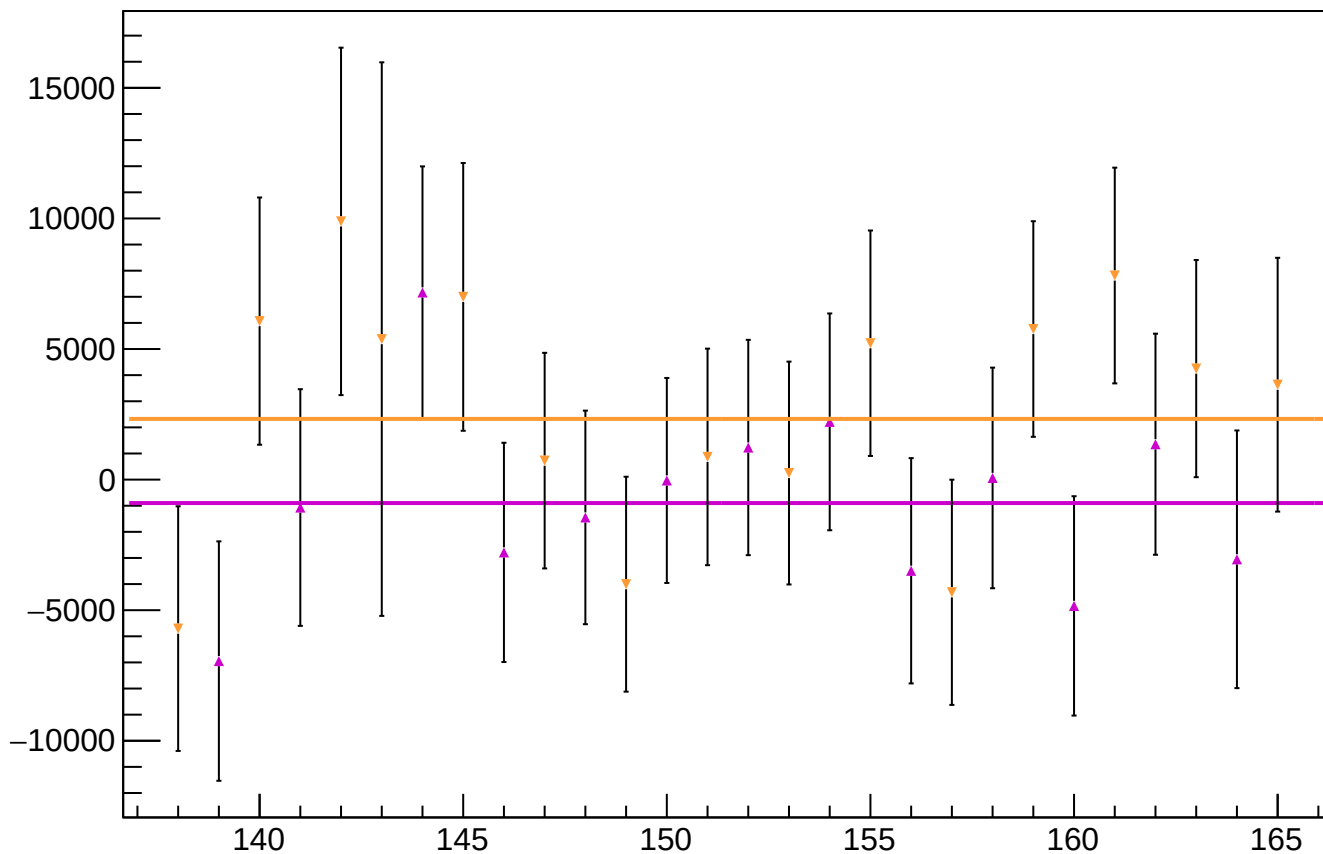
Right: 1675.026 $\pm$ 0.329 χ^2 /NDF: 1373201.9/35

In: 1789.604 $\pm$ 0.310 χ^2 /NDF: 905935.8/29

Out: 1779.804 $\pm$ 0.301 χ^2 /NDF: 1178892.9/33

All: 1784.546 $\pm$ 0.216 χ^2 /NDF: 2085343.0/63

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 2324.386 $\pm$ 1182.153 χ^2 /NDF:14.2/14

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

Left In: -897.643 $\pm$ 1194.352 χ^2 /NDF:7.4/12

Left: 729.912 $\pm$ 840.188 χ^2 /NDF: 25.3/27

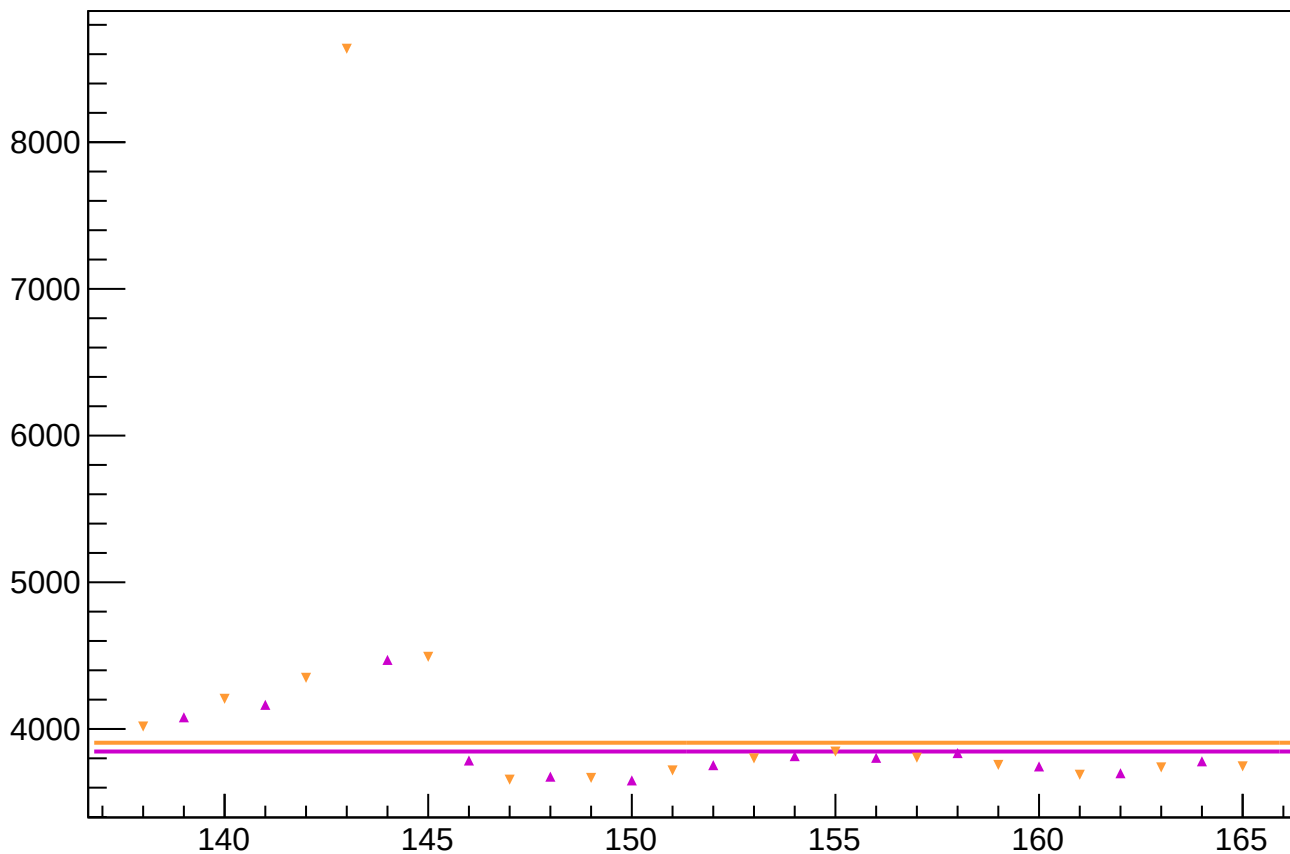
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -897.643 $\pm$ 1194.352 χ^2 /NDF:7.4/12

Out: 2324.386 $\pm$ 1182.153 χ^2 /NDF:14.2/14

All: 729.912 $\pm$ 840.188 χ^2 /NDF: 25.3/27

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3906.266+/-0.836 χ^2/NDF : 477453.4/14

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

Left In: 3846.363+/-0.845 χ^2/NDF : 62831.4/12

Left: 3876.622+/-0.594 χ^2/NDF : 542826.1/27

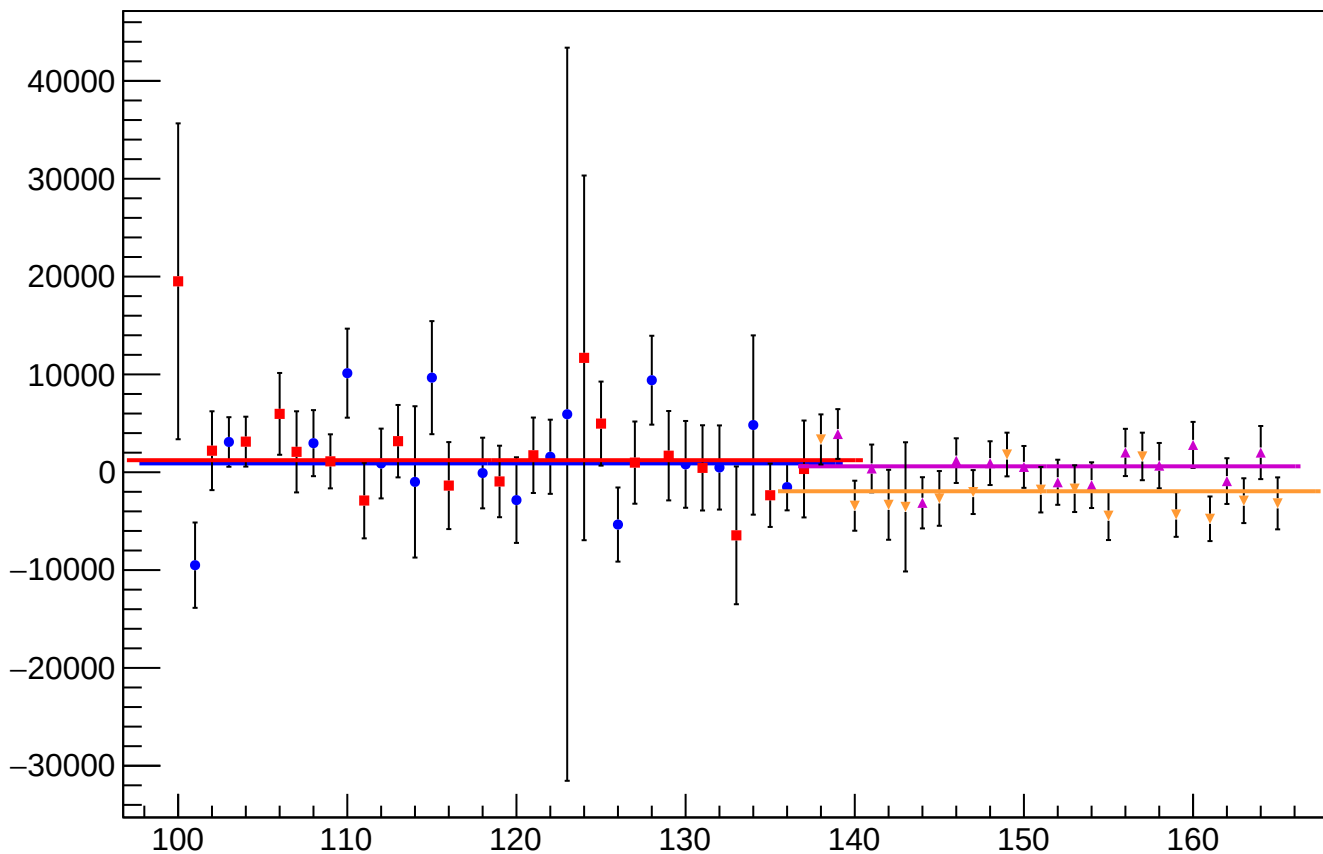
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3846.363+/-0.845 χ^2/NDF : 62831.4/12

Out: 3906.266+/-0.836 χ^2/NDF : 477453.4/14

All: 3876.622+/-0.594 χ^2/NDF : 542826.1/27

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -1943.202 $\pm$ 653.563 χ^2 /NDF:13.9/14

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

Left In: 605.176 $\pm$ 658.418 χ^2 /NDF:6.9/12

Left: -678.443 $\pm$ 463.846 χ^2 /NDF: 28.3/27

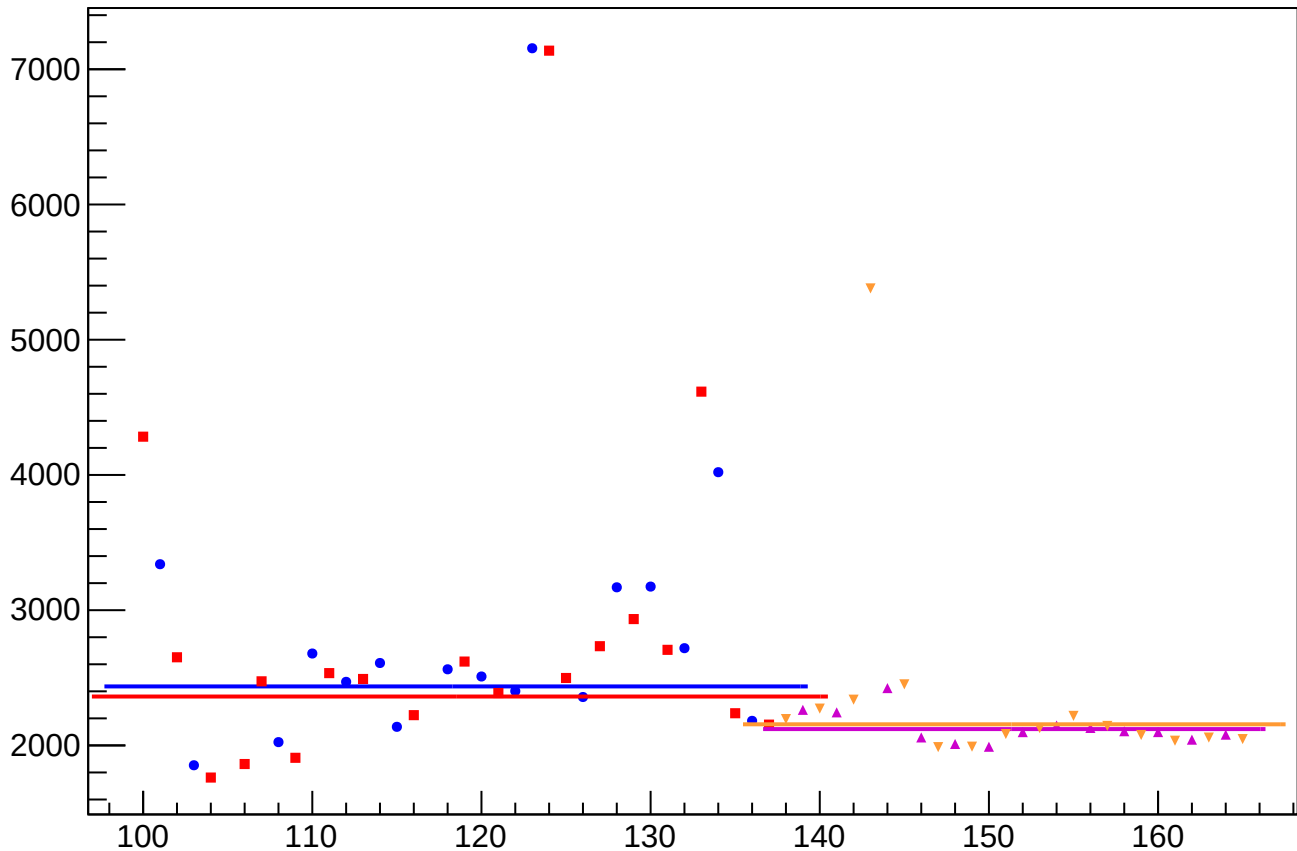
Right: 1073.549 $\pm$ 666.754 χ^2 /NDF: 30.6/35

In: 700.282 $\pm$ 543.328 χ^2 /NDF:28.5/29

Out: -886.276 $\pm$ 533.776 χ^2 /NDF:30.7/33

All: -107.065 $\pm$ 380.769 χ^2 /NDF: 63.5/63

asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2156.128 $\pm$ 0.462 χ^2 /NDF: 549500.1/14

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

Left In: 2120.782 $\pm$ 0.466 χ^2 /NDF: 55428.6/12

Left: 2138.586 $\pm$ 0.328 χ^2 /NDF: 607831.9/27

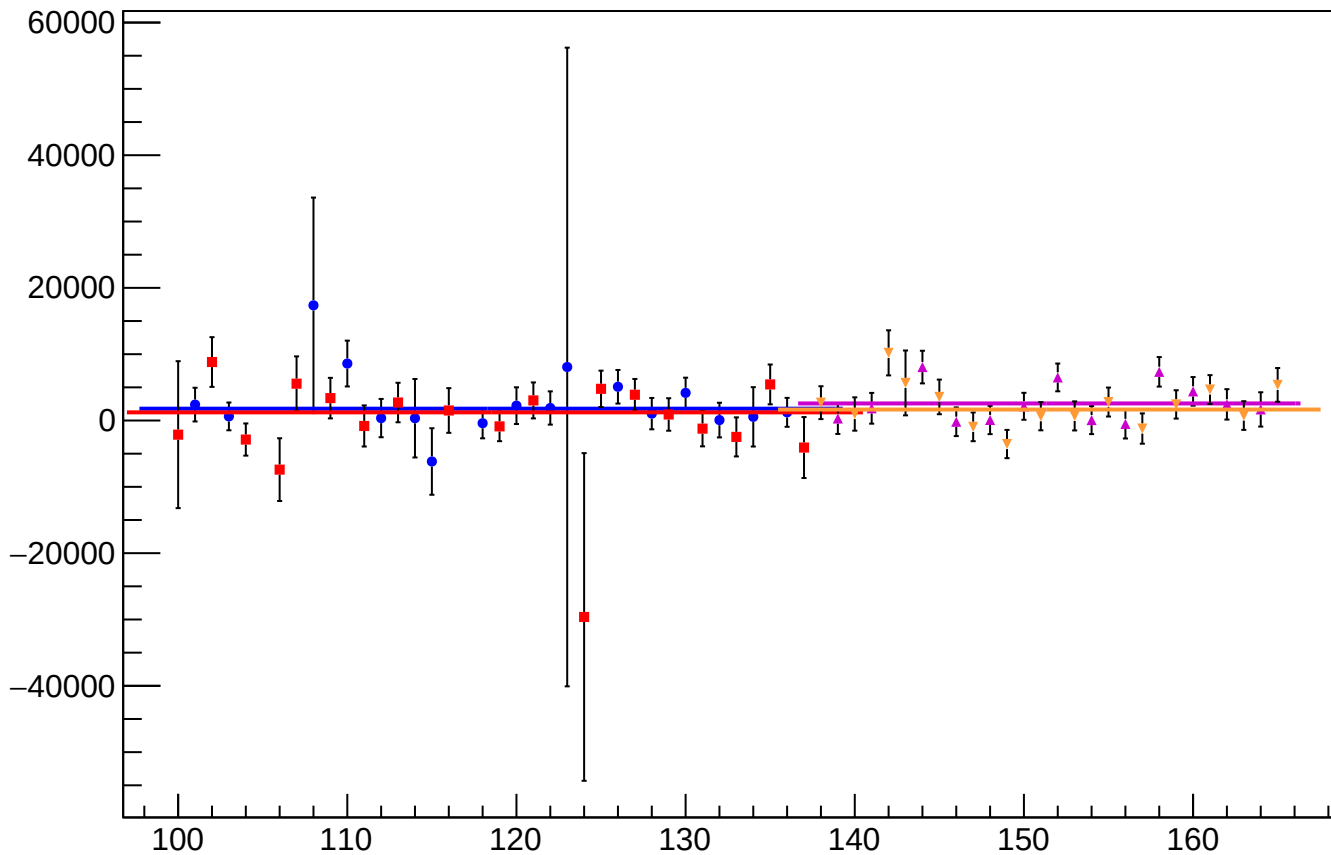
Right: 2397.448 $\pm$ 0.471 χ^2 /NDF: 1130664.2/35

In: 2221.432 $\pm$ 0.384 χ^2 /NDF: 670469.4/29

Out: 2224.531 $\pm$ 0.377 χ^2 /NDF: 1271141.6/33

All: 2223.009 $\pm$ 0.269 χ^2 /NDF: 1941644.1/63

dit_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1654.364 $\pm$ 613.099 χ^2 /NDF:21.8/14

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

Left In: 2574.702 $\pm$ 617.160 χ^2 /NDF:21.4/12

Left: 2111.495 $\pm$ 434.955 χ^2 /NDF: 44.3/27

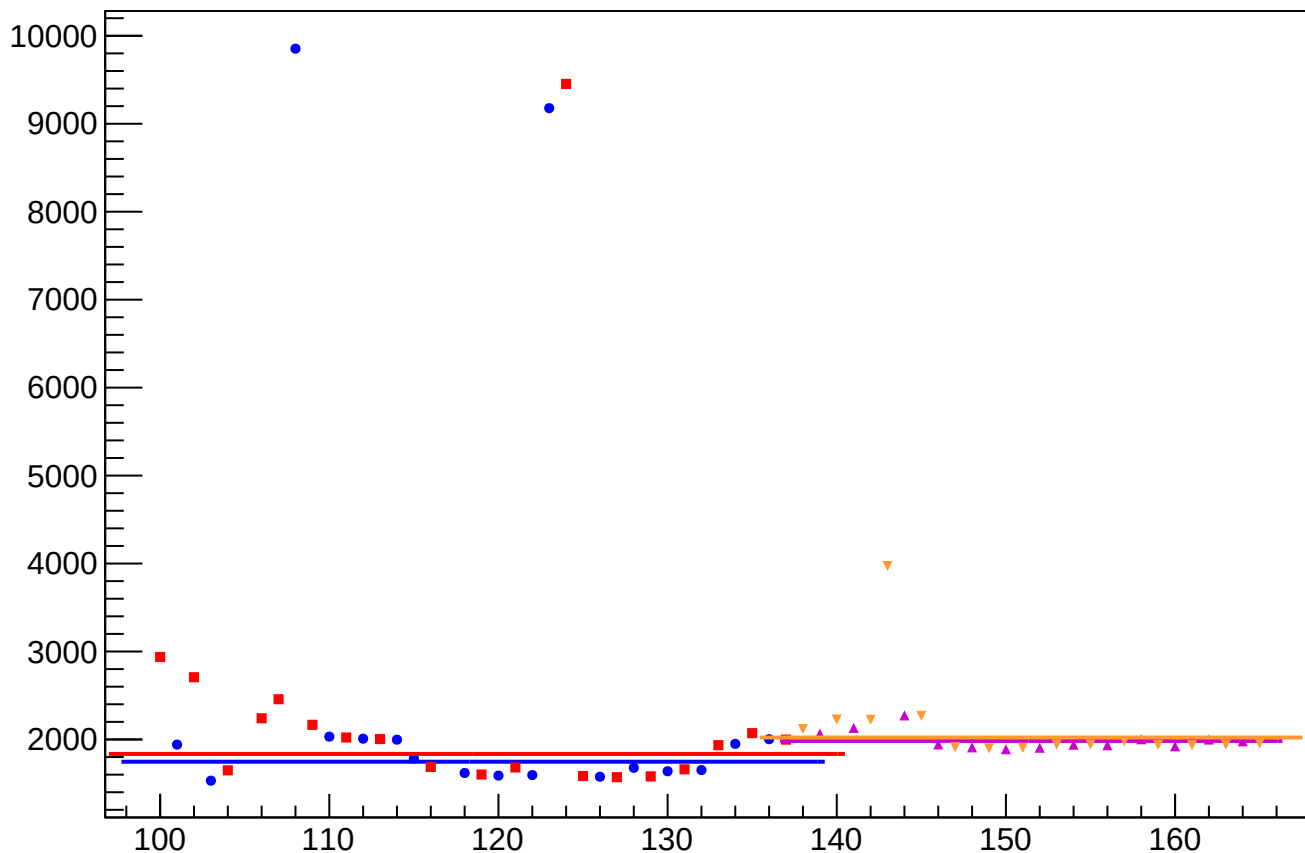
Right: 1511.828 $\pm$ 495.804 χ^2 /NDF: 37.0/35

In: 2225.540 $\pm$ 461.300 χ^2 /NDF:34.5/29

Out: 1472.249 $\pm$ 463.515 χ^2 /NDF:46.2/33

All: 1850.698 $\pm$ 326.969 χ^2 /NDF: 82.1/63

dit_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 2022.083+/-0.434 χ^2/NDF : 393564.9/14

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

Left In: 1983.131+/-0.436 χ^2/NDF : 52224.3/12

Left: 2002.736+/-0.308 χ^2/NDF : 449799.1/27

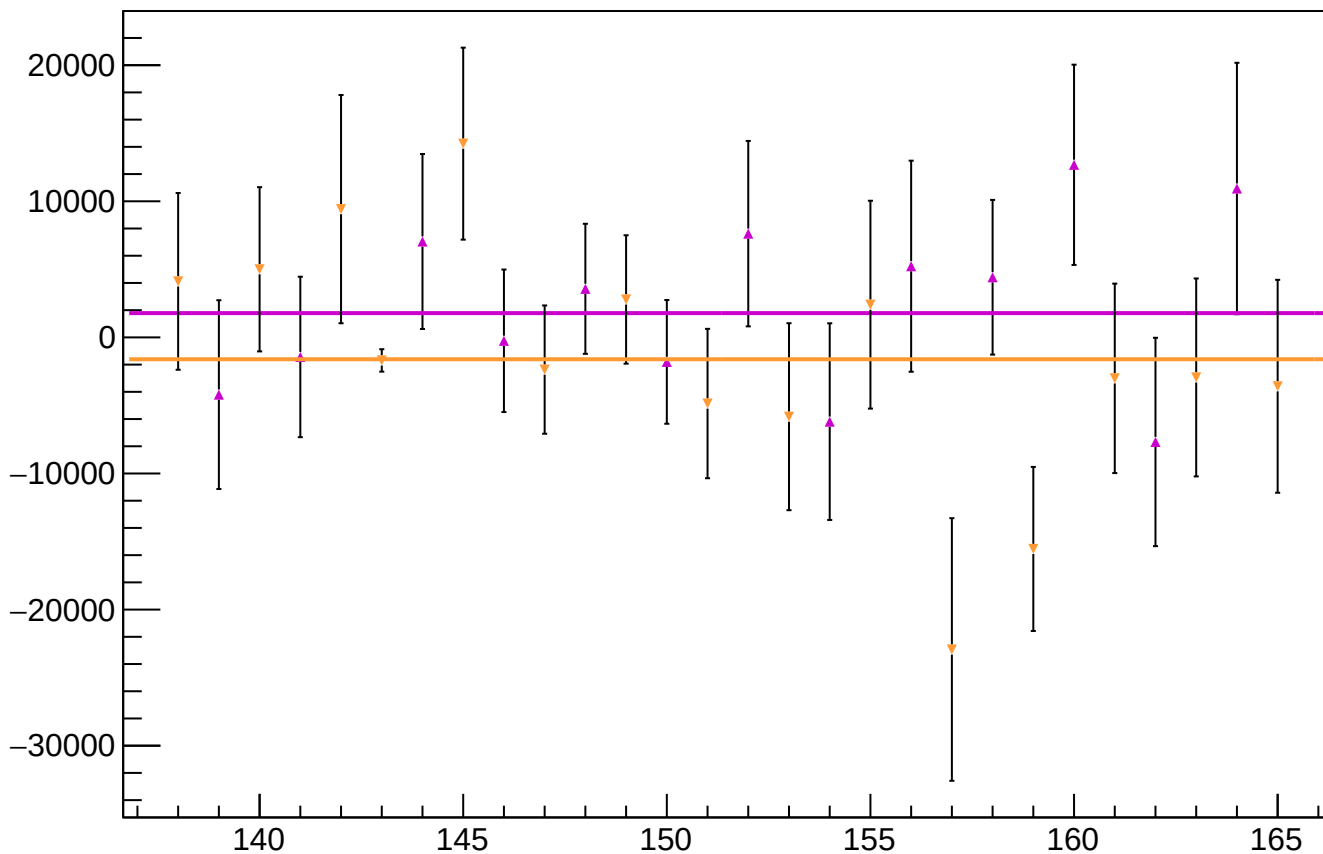
Right: 1790.310+/-0.350 χ^2/NDF : 1248859.1/35

In: 1878.852+/-0.326 χ^2/NDF : 864094.1/29

Out: 1941.998+/-0.328 χ^2/NDF : 1023509.9/33

All: 1910.290+/-0.231 χ^2/NDF : 1906262.1/63

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1605.883+/-742.711 χ^2/NDF : 21.0/14

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

Left In: 1783.297+/-1720.007 χ^2/NDF : 9.7/12

Left: -1073.257+/-681.858 χ^2/NDF : 34.0/27

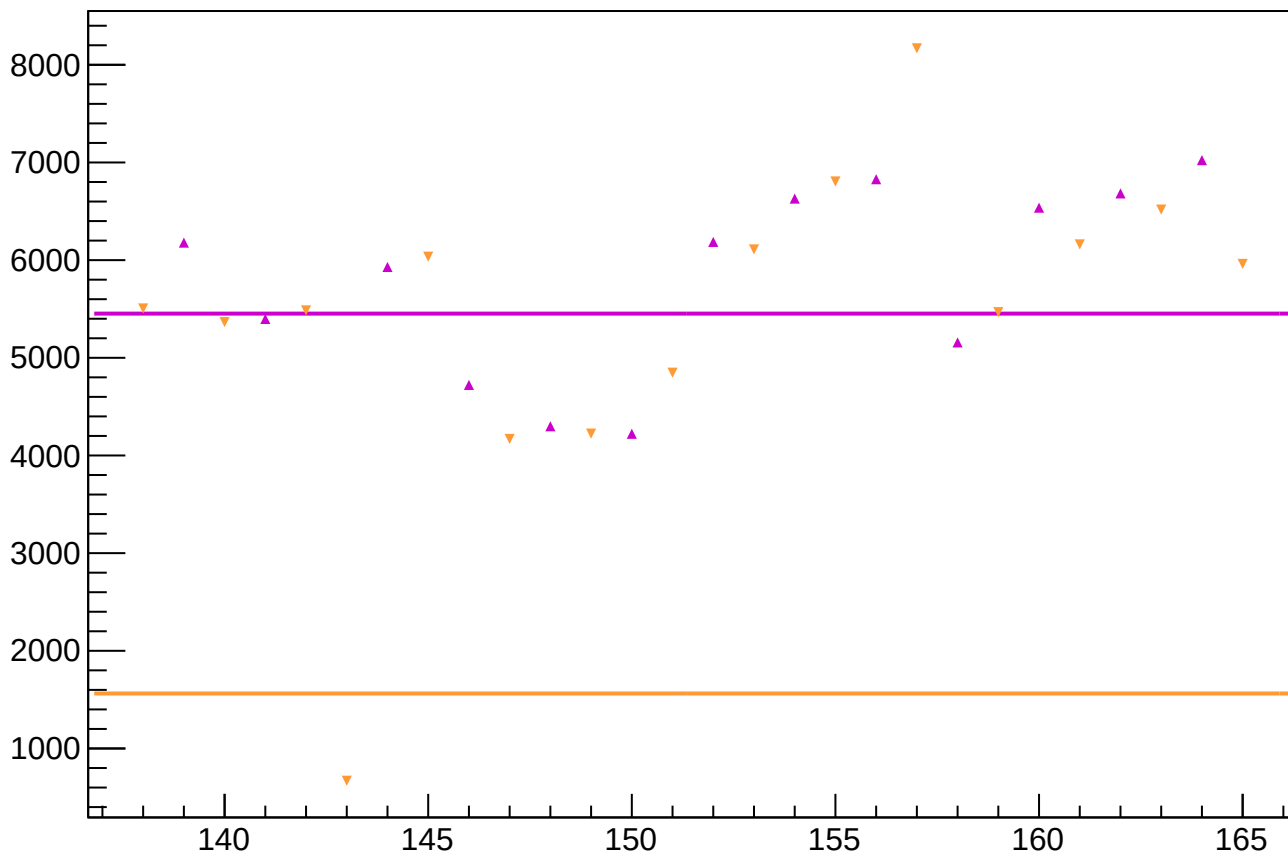
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1783.297+/-1720.007 χ^2/NDF : 9.7/12

Out: -1605.883+/-742.711 χ^2/NDF : 21.0/14

All: -1073.257+/-681.858 χ^2/NDF : 34.0/27

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1563.059+/-0.525 χ^2/NDF :13115283.8/14

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

Left In: 5452.512+/-1.216 χ^2/NDF :632944.8/12

Left: 2174.305+/-0.482 χ^2/NDF : 22367975.6/27

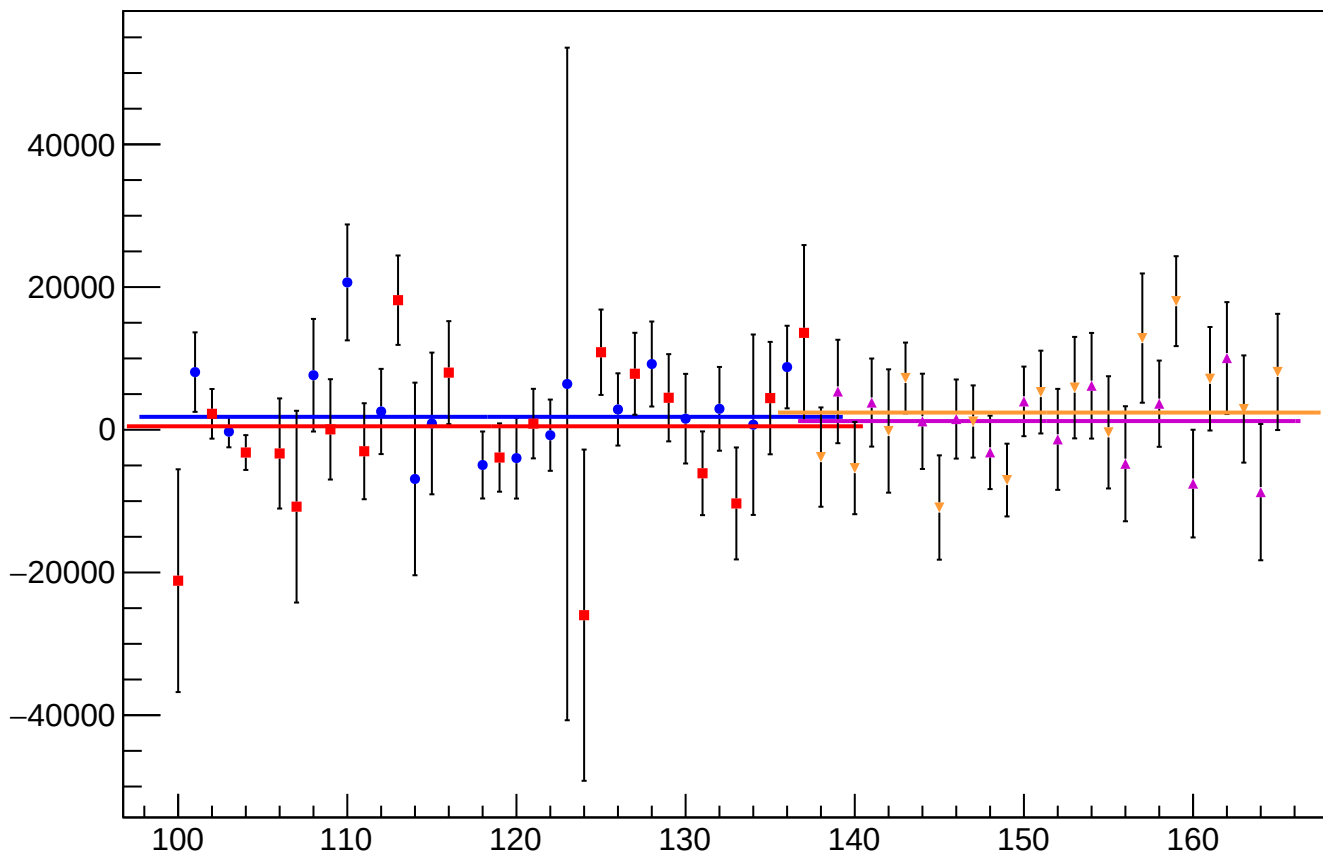
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5452.512+/-1.216 χ^2/NDF :632944.8/12

Out: 1563.059+/-0.525 χ^2/NDF :13115283.8/14

All: 2174.305+/-0.482 χ^2/NDF : 22367975.6/27

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 2413.749+/-1691.036 χ^2/NDF : 19.1/14

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

Left In: 1220.616+/-1808.284 χ^2/NDF : 6.5/12

Left: 1857.115+/-1235.114 χ^2/NDF : 25.9/27

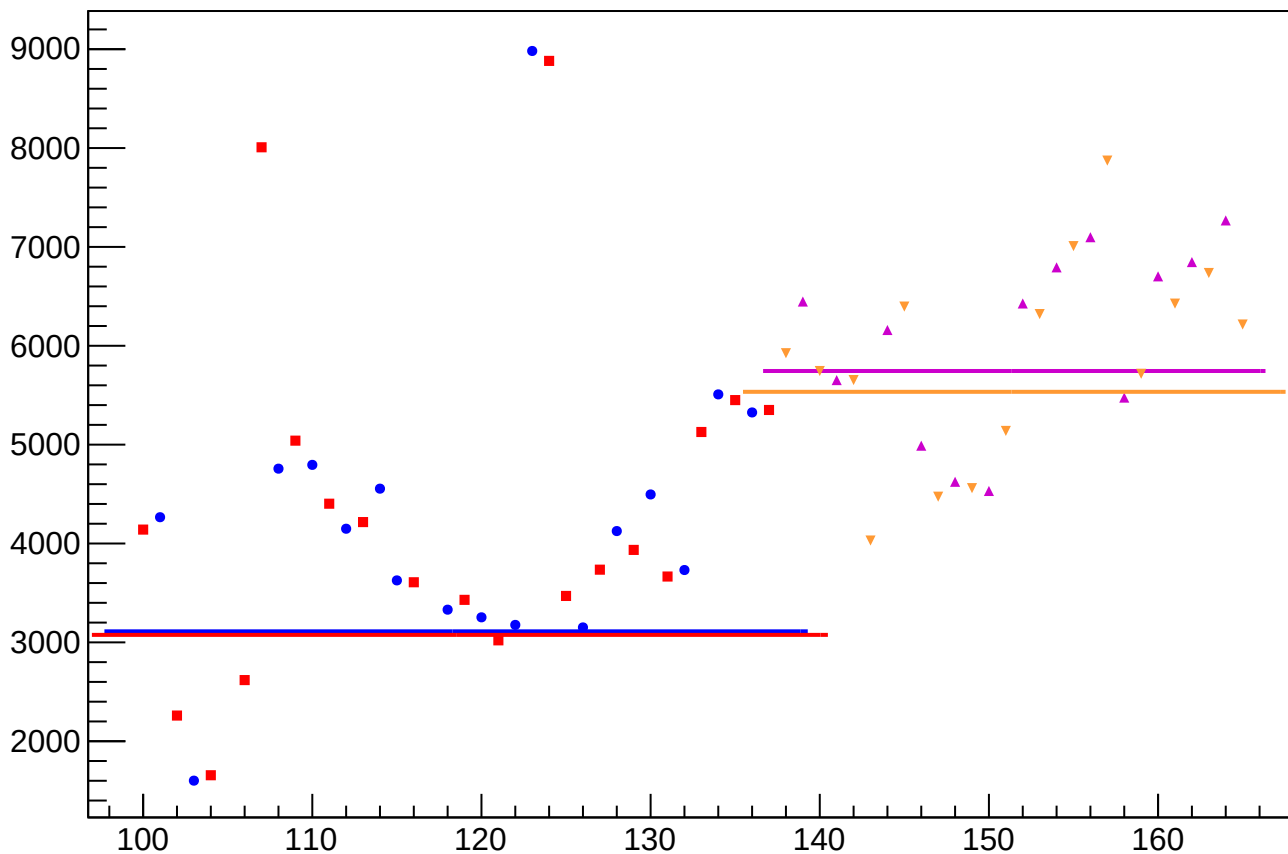
Right: 1143.505+/-914.731 χ^2/NDF : 42.0/35

In: 1611.722+/-1056.240 χ^2/NDF : 21.6/29

Out: 1193.910+/-1023.664 χ^2/NDF : 46.4/33

All: 1396.274+/-735.087 χ^2/NDF : 68.1/63

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5534.361 $\pm$ 1.196 χ^2 /NDF: 715875.3/14

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

Left In: 5744.949 $\pm$ 1.279 χ^2 /NDF: 524265.8/12

Left: 5632.607 $\pm$ 0.873 χ^2 /NDF: 1254611.3/27

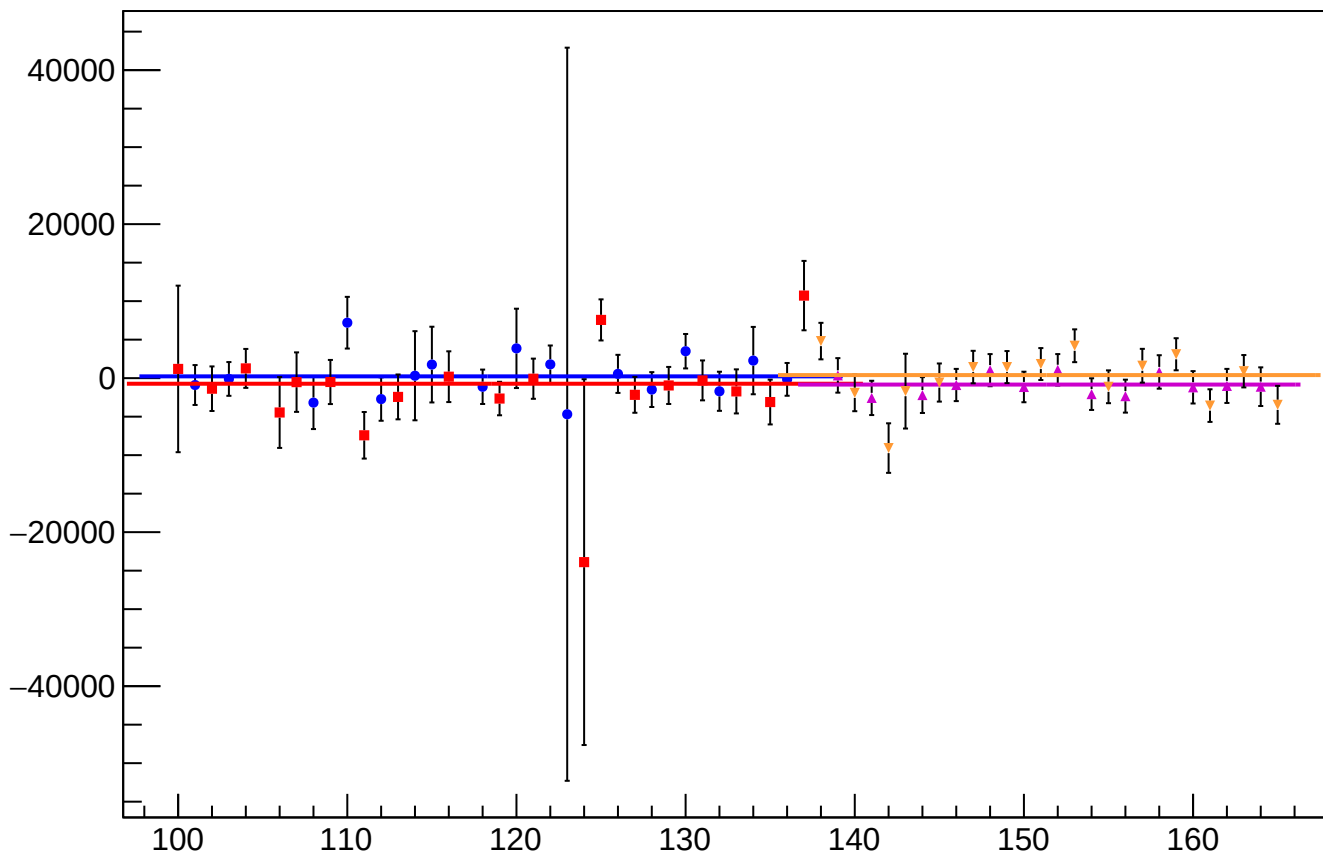
Right: 3093.209 $\pm$ 0.642 χ^2 /NDF: 3889323.9/35

In: 4010.031 $\pm$ 0.747 χ^2 /NDF: 5197671.7/29

Out: 3960.151 $\pm$ 0.717 χ^2 /NDF: 5432306.5/33

All: 3984.079 $\pm$ 0.517 χ^2 /NDF: 10632298.9/66

dit_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 397.158 $\pm$ 593.716 χ^2 /NDF: 26.1/14

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

Left In: -834.205 $\pm$ 598.304 χ^2 /NDF: 4.4/12

Left: -213.784 $\pm$ 421.433 χ^2 /NDF: 32.6/27

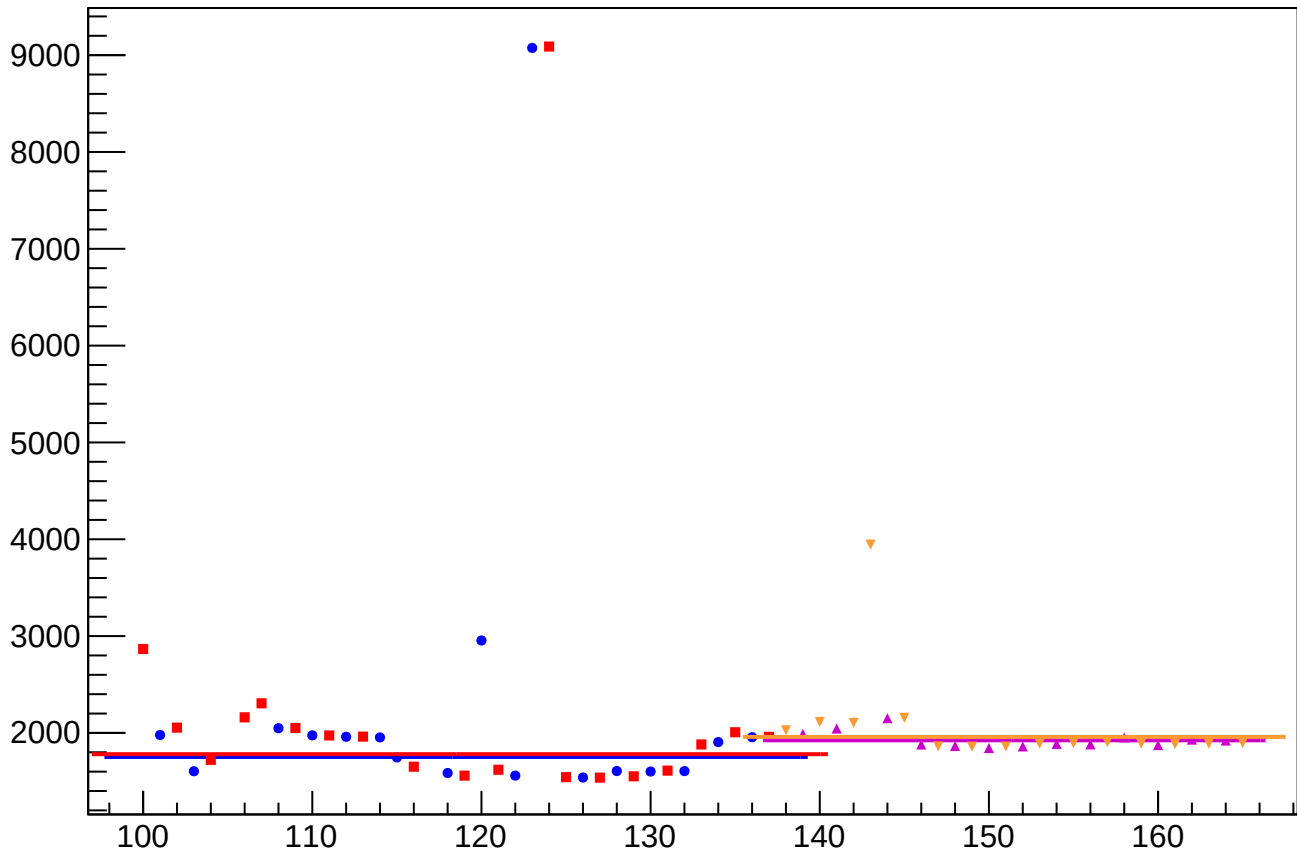
Right: -248.748 $\pm$ 484.705 χ^2 /NDF: 38.3/35

In: -374.028 $\pm$ 451.126 χ^2 /NDF: 17.3/29

Out: -85.384 $\pm$ 448.417 χ^2 /NDF: 53.4/33

All: -228.836 $\pm$ 318.032 χ^2 /NDF: 71.0/63

dit_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1958.988+/-0.420 χ^2/NDF : 388580.3/14

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

Left In: 1923.513+/-0.423 χ^2/NDF : 37344.8/12

Left: 1941.387+/-0.298 χ^2/NDF : 429467.9/27

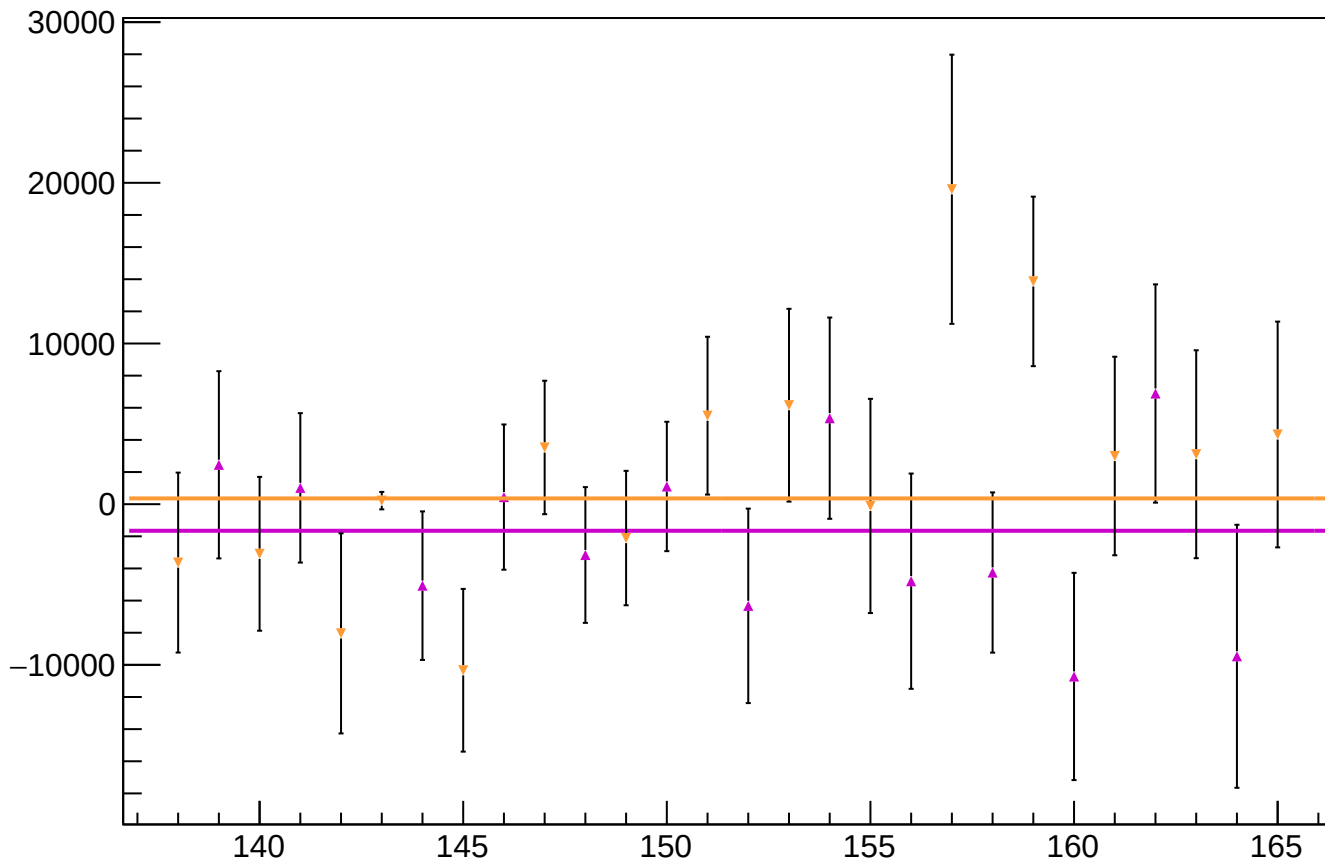
Right: 1766.106+/-0.342 χ^2/NDF : 730940.0/35

In: 1849.445+/-0.319 χ^2/NDF : 409281.3/29

Out: 1882.052+/-0.317 χ^2/NDF : 894948.8/33

All: 1865.858+/-0.225 χ^2/NDF : 1309489.3/63

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 359.050+/-508.969 χ^2/NDF : 22.9/14

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

Left In: -1654.823+/-1466.224 χ^2/NDF : 9.0/12

Left: 142.478+/-480.824 χ^2/NDF : 33.5/27

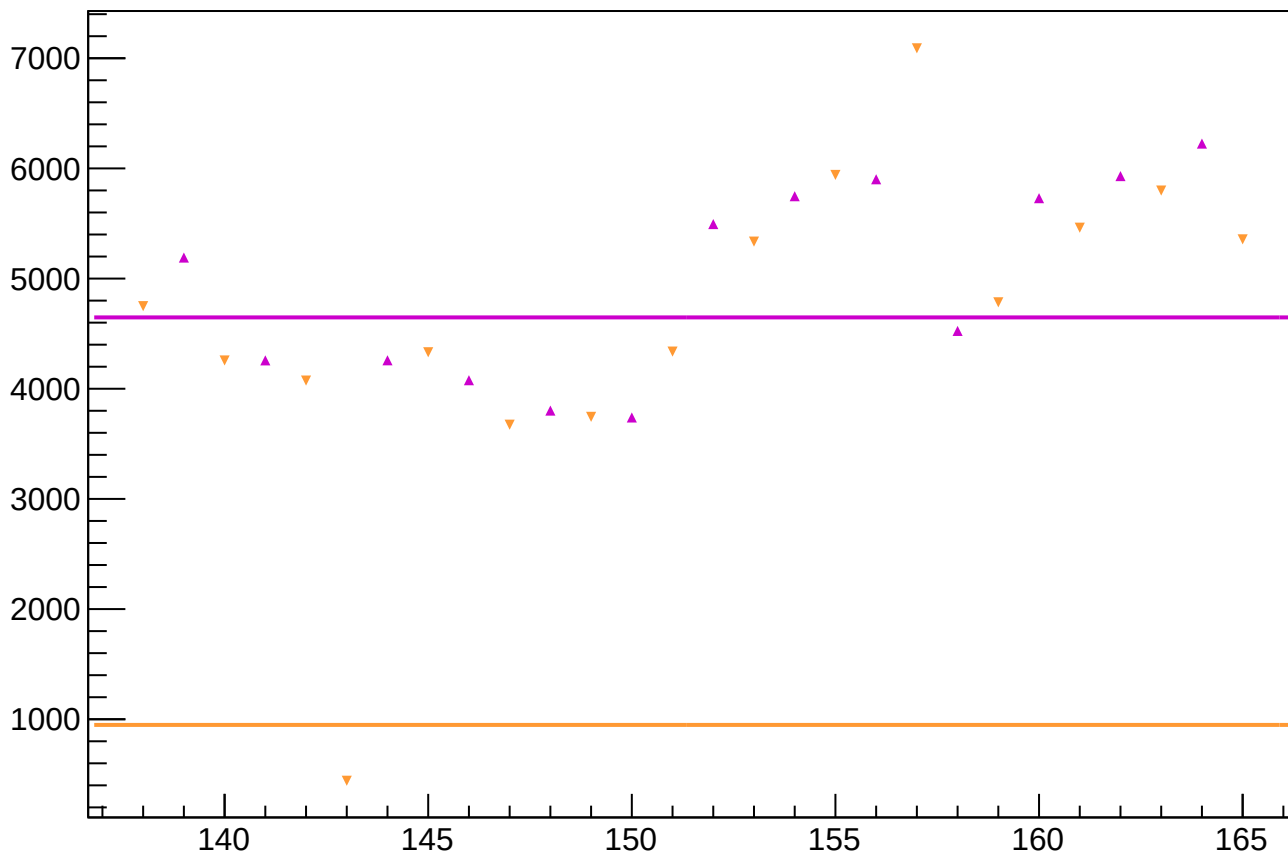
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1654.823+/-1466.224 χ^2/NDF : 9.0/12

Out: 359.050+/-508.969 χ^2/NDF : 22.9/14

All: 142.478+/-480.824 χ^2/NDF : 33.5/27

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 948.553+/-0.360 χ^2/NDF :15025886.8/14

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

Left In: 4647.531+/-1.037 χ^2/NDF :633567.5/12

Left: 1346.342+/-0.340 χ^2/NDF : 27019537.2/27

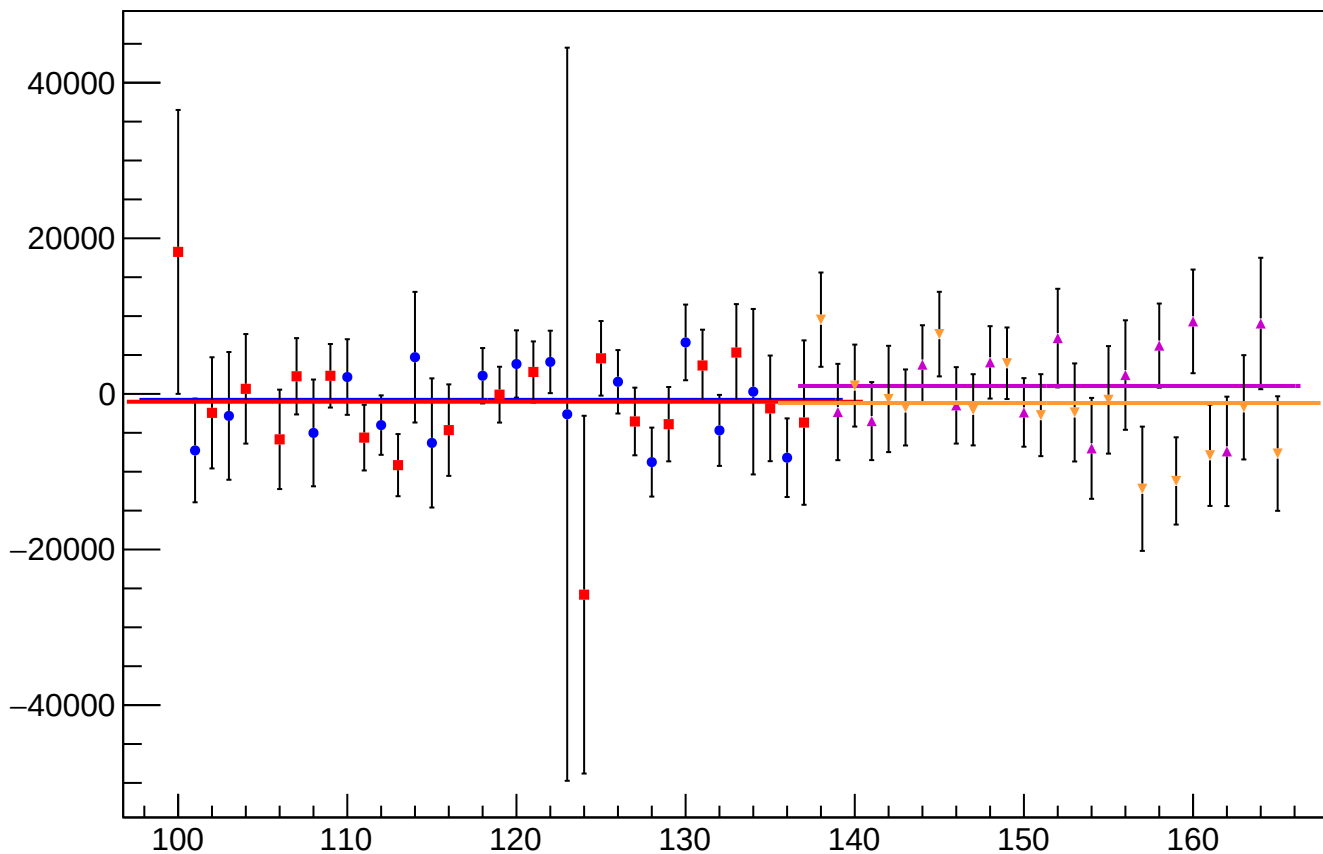
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4647.531+/-1.037 χ^2/NDF :633567.5/12

Out: 948.553+/-0.360 χ^2/NDF :15025886.8/14

All: 1346.342+/-0.340 χ^2/NDF : 27019537.2/27

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: -1171.160+/-1491.713 χ^2/NDF : 14.3/14

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

Left In: 1019.882+/-1573.516 χ^2/NDF : 10.0/12

Left: -134.070+/-1082.565 χ^2/NDF : 25.3/27

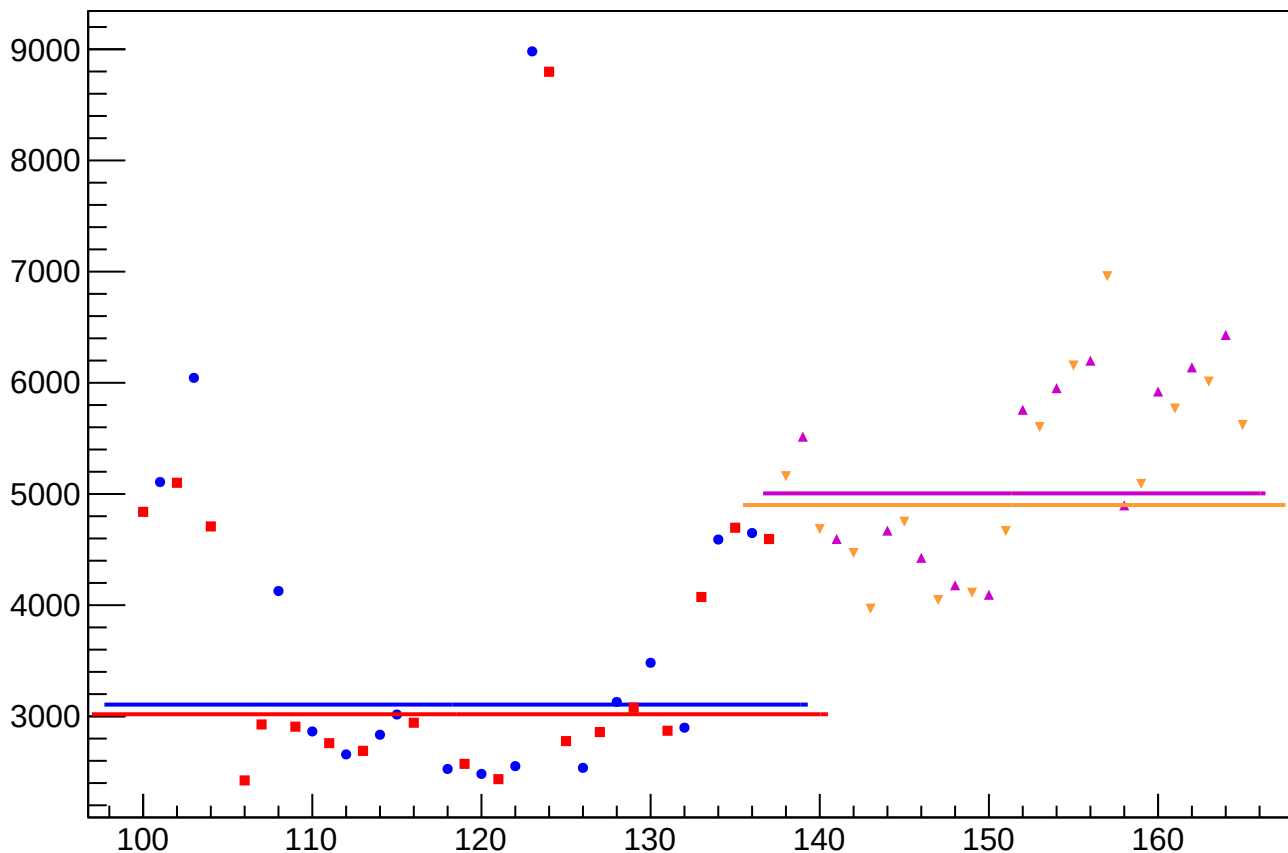
Right: -890.508+/-861.557 χ^2/NDF : 30.6/35

In: -76.041+/-977.651 χ^2/NDF : 26.3/29

Out: -1069.566+/-930.791 χ^2/NDF : 29.3/33

All: -597.184+/-674.126 χ^2/NDF : 56.2/63

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4900.569+/-1.055 χ^2/NDF : 557487.0/14

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

Left In: 5005.415+/-1.113 χ^2/NDF : 488072.8/12

Left: 4950.196+/-0.765 χ^2/NDF : 1050236.4/27

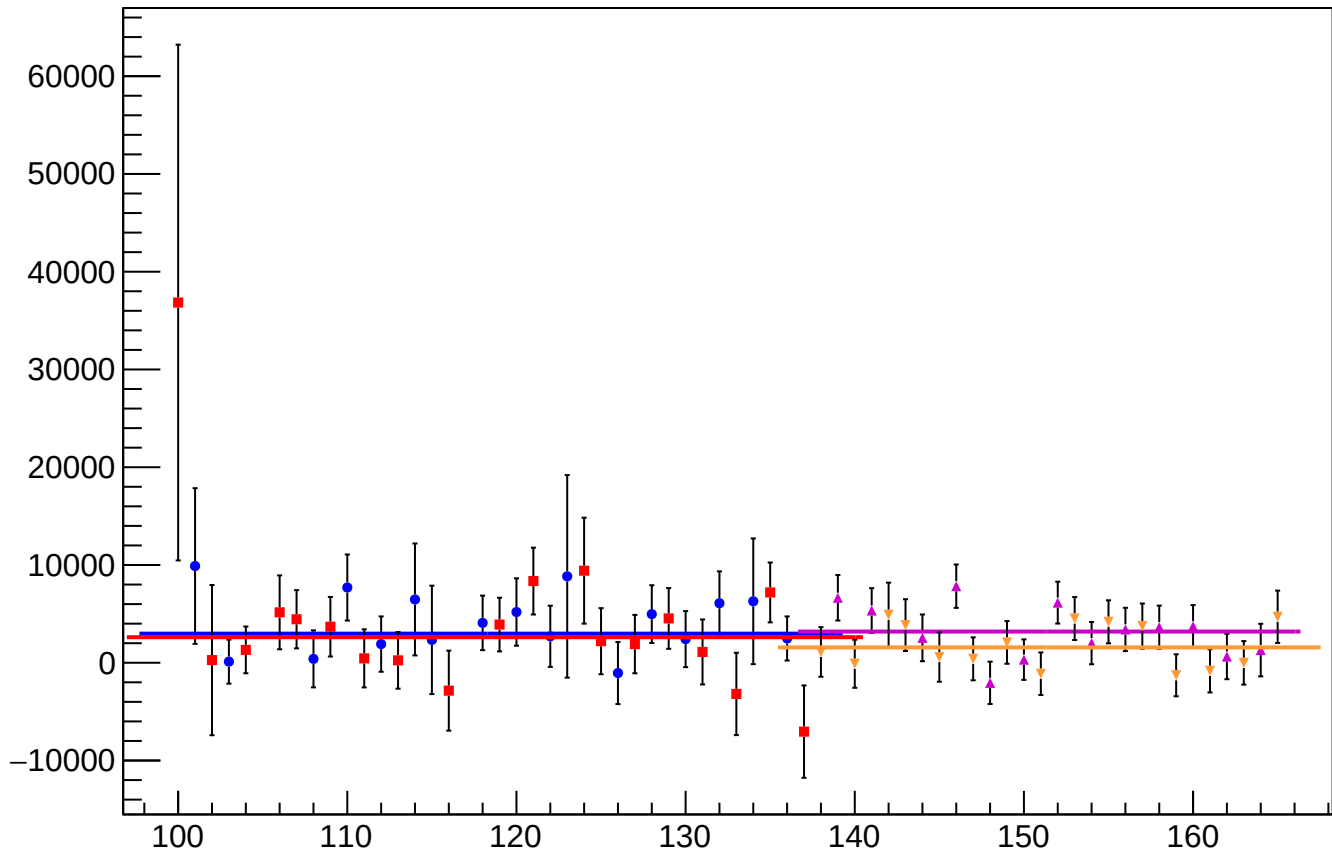
Right: 3059.752+/-0.605 χ^2/NDF : 1759257.8/35

In: 3839.141+/-0.691 χ^2/NDF : 3237442.7/29

Out: 3740.262+/-0.653 χ^2/NDF : 3314230.2/33

All: 3786.896+/-0.475 χ^2/NDF : 6562482.7/63

dit_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1569.383+/-608.091 χ^2/NDF :13.2/14

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

Left In: 3191.254+/-622.761 χ^2/NDF :19.4/12

Left: 2360.990+/-435.079 χ^2/NDF : 36.0/27

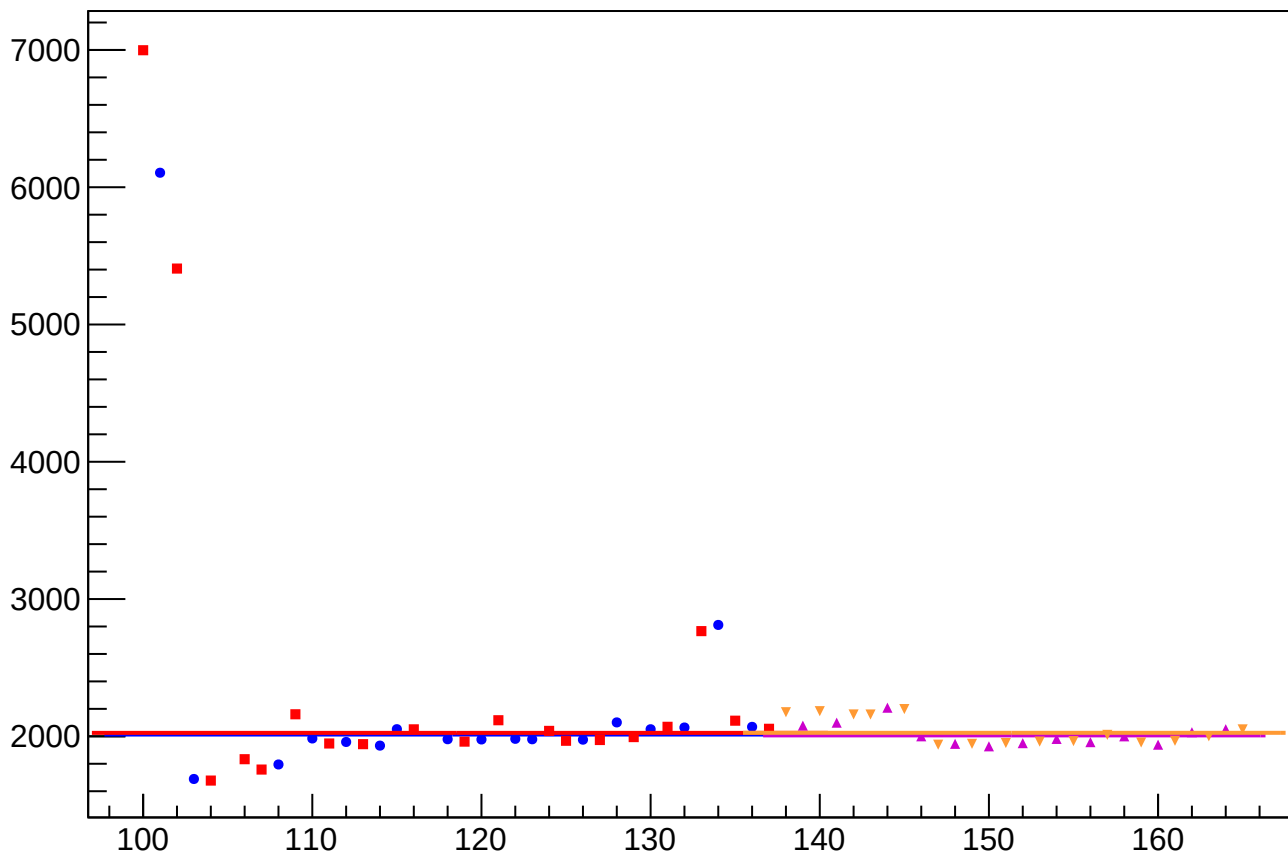
Right: 2793.353+/-558.079 χ^2/NDF : 29.6/35

In: 3110.377+/-490.345 χ^2/NDF :29.3/29

Out: 1962.203+/-480.321 χ^2/NDF :33.9/33

All: 2524.434+/-343.127 χ^2/NDF : 66.0/63

dit_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 2025.519 $\pm$ 0.430 χ^2 /NDF: 48352.6/14

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

Left In: 2006.747 $\pm$ 0.440 χ^2 /NDF: 29377.1/12

Left: 2016.357 $\pm$ 0.308 χ^2 /NDF: 78659.9/27

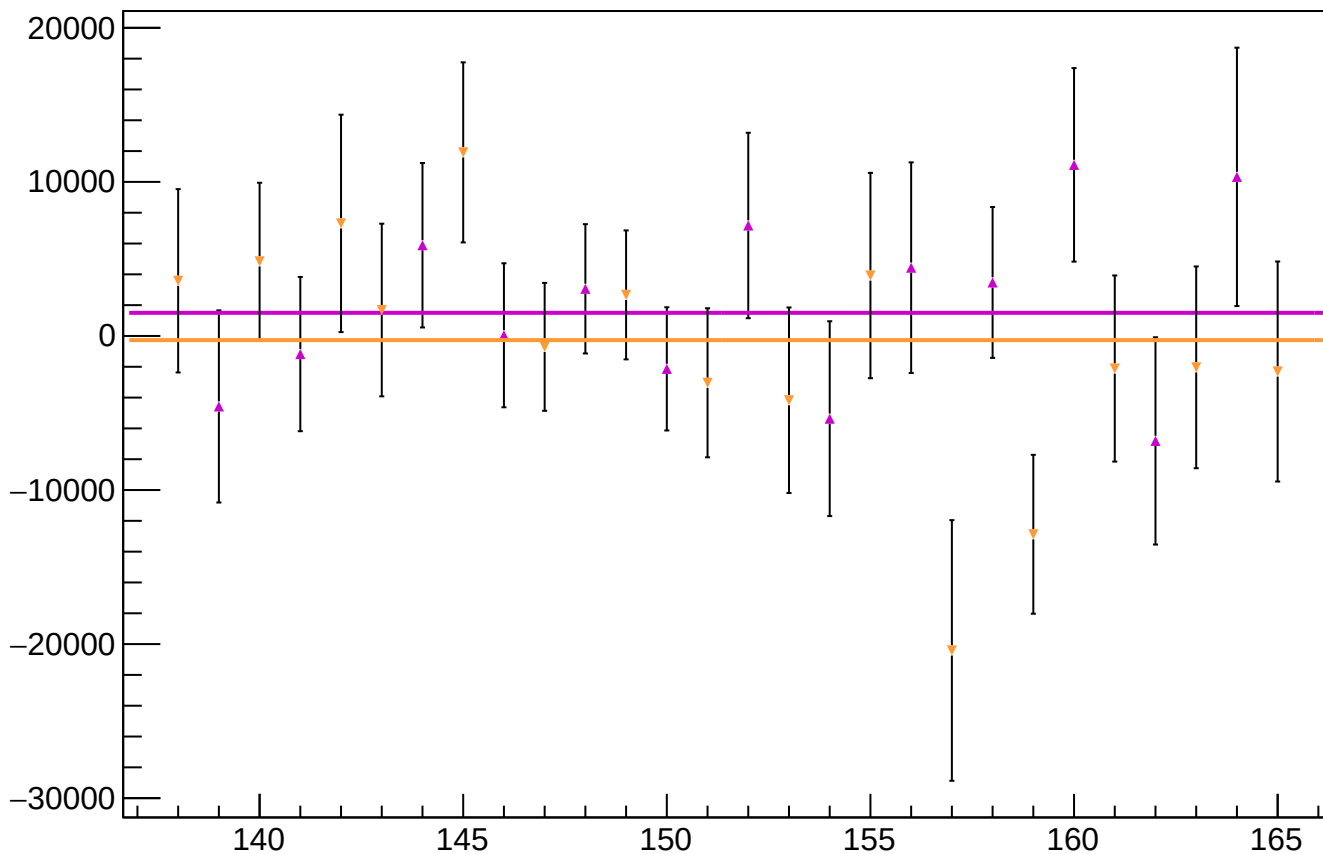
Right: 2019.103 $\pm$ 0.395 χ^2 /NDF: 1215366.0/35

In: 2009.103 $\pm$ 0.347 χ^2 /NDF: 647159.8/29

Out: 2025.350 $\pm$ 0.340 χ^2 /NDF: 645775.5/33

All: 2017.395 $\pm$ 0.243 χ^2 /NDF: 1294056.0/63

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -270.035+/-1446.777 χ^2/NDF :20.6/14

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

Left In: 1502.651+/-1502.033 χ^2/NDF :10.4/12

Left: 583.103+/-1042.013 χ^2/NDF : 31.7/27

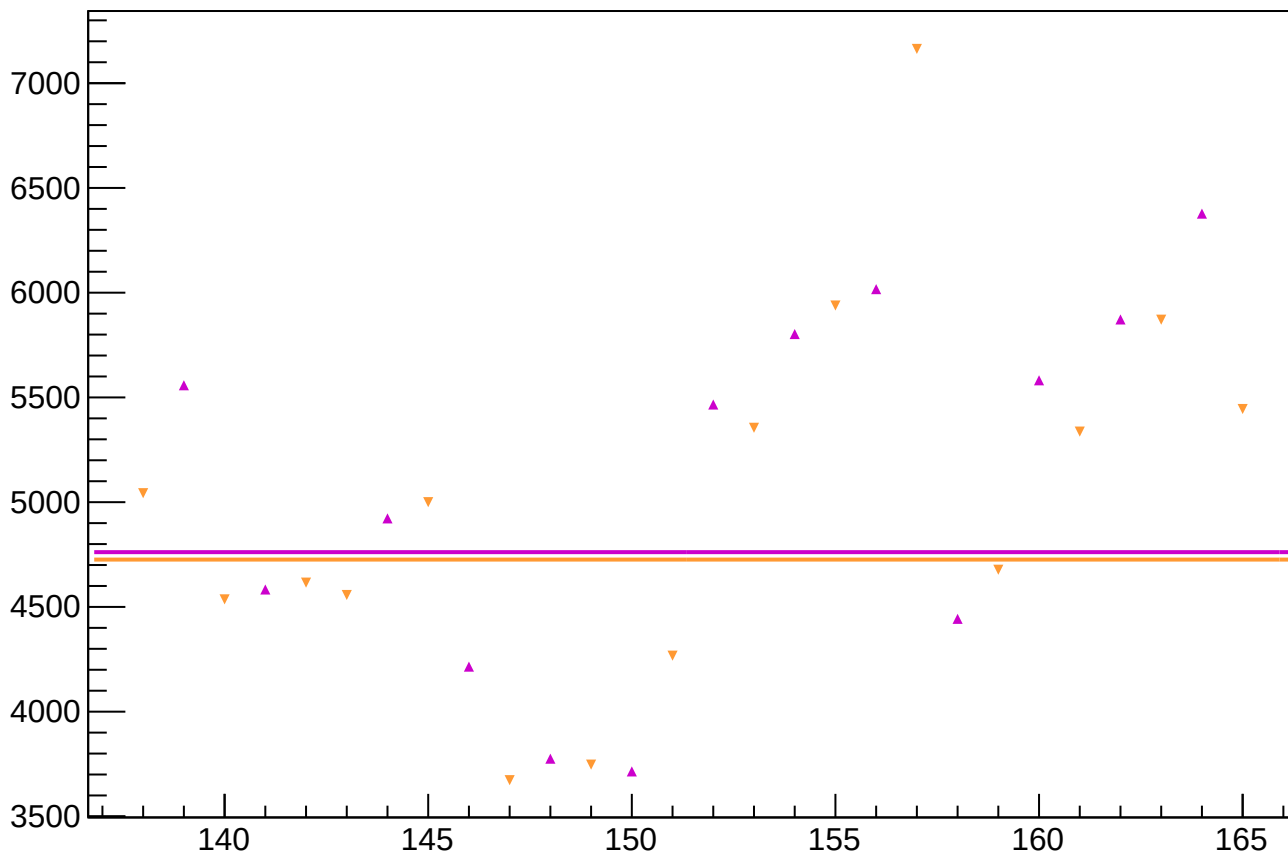
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1502.651+/-1502.033 χ^2/NDF :10.4/12

Out: -270.035+/-1446.777 χ^2/NDF :20.6/14

All: 583.103+/-1042.013 χ^2/NDF : 31.7/27

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4725.945+/-1.023 χ^2/NDF : 627307.0/14

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

Left In: 4761.434+/-1.062 χ^2/NDF : 632274.4/12

Left: 4743.024+/-0.737 χ^2/NDF : 1260160.6/27

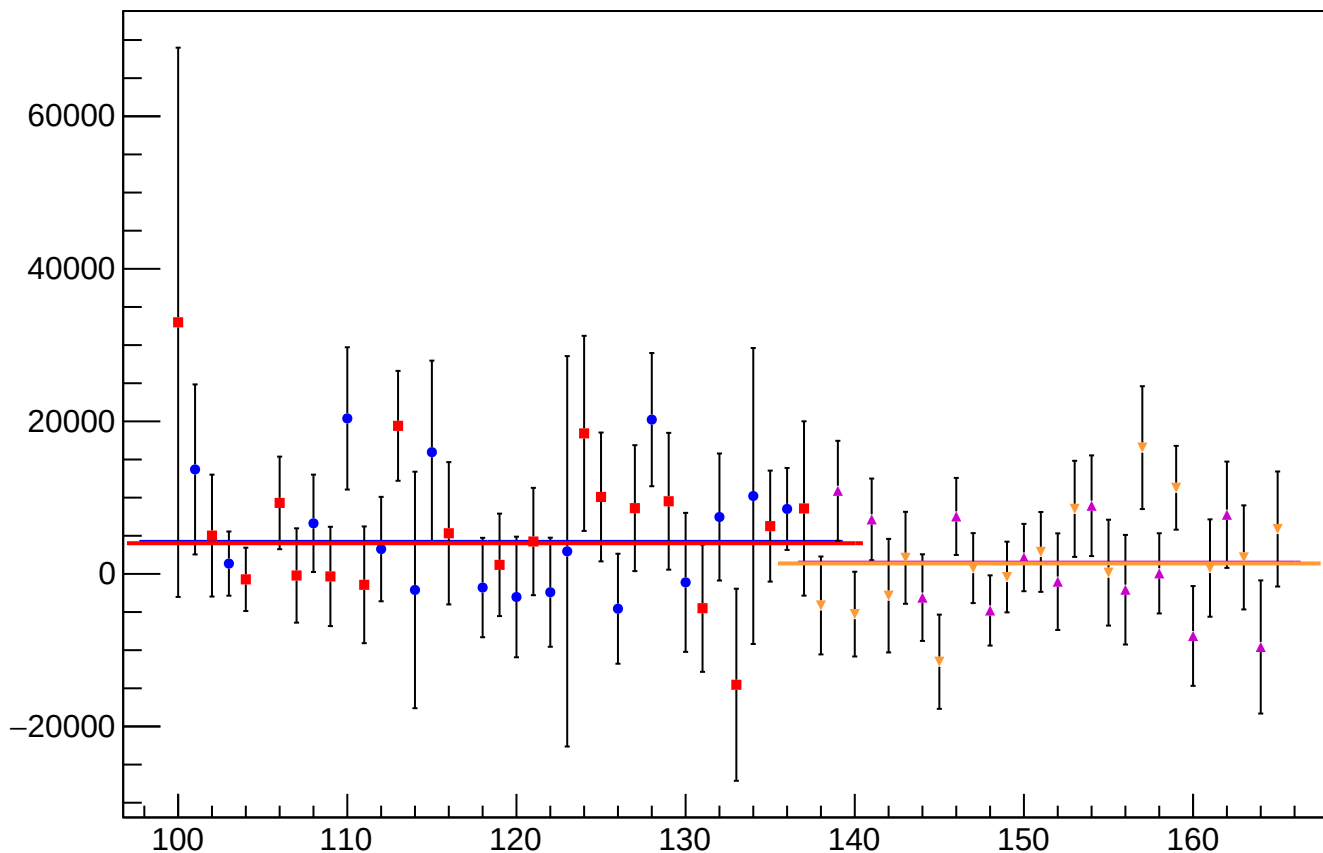
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4761.434+/-1.062 χ^2/NDF : 632274.4/12

Out: 4725.945+/-1.023 χ^2/NDF : 627307.0/14

All: 4743.024+/-0.737 χ^2/NDF : 1260160.6/27

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1372.510+/-1548.472 χ^2/NDF : 15.6/14

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

Left In: 1476.806+/-1606.703 χ^2/NDF : 13.5/12

Left: 1422.734+/-1114.953 χ^2/NDF : 29.1/27

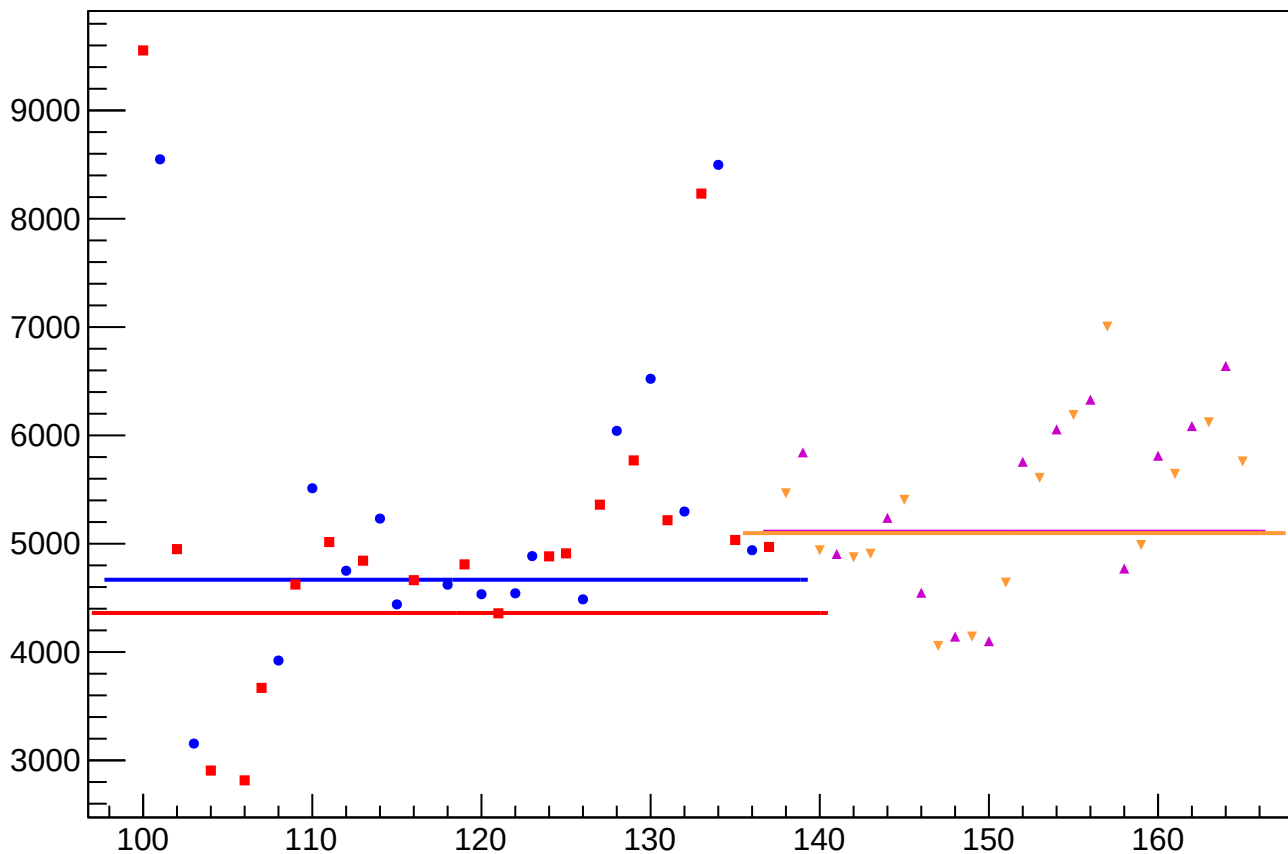
Right: 4104.755+/-1264.177 χ^2/NDF : 29.0/35

In: 2641.537+/-1215.265 χ^2/NDF : 28.8/29

Out: 2555.399+/-1152.363 χ^2/NDF : 31.8/33

All: 2596.181+/-836.197 χ^2/NDF : 60.6/63

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 5098.147 $\pm$ 1.095 χ^2/NDF : 470424.0/14

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

Left In: 5110.630 $\pm$ 1.136 χ^2/NDF : 498325.9/12

Left: 5104.158 $\pm$ 0.788 χ^2/NDF : 968812.5/27

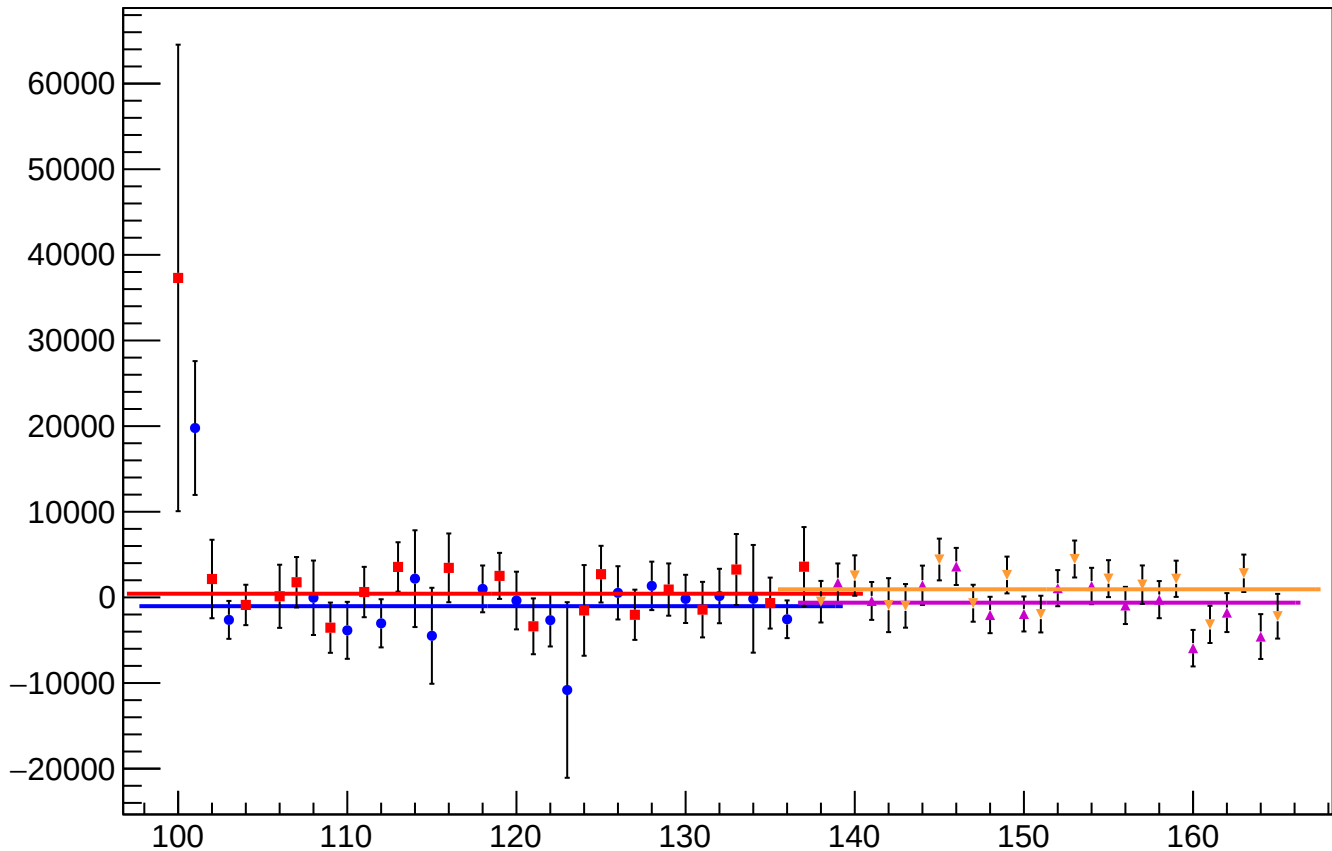
Right: 4501.800 $\pm$ 0.891 χ^2/NDF : 1640064.7/35

In: 4921.001 $\pm$ 0.859 χ^2/NDF : 1341289.9/29

Out: 4766.952 $\pm$ 0.813 χ^2/NDF : 1506924.4/33

All: 4839.688 $\pm$ 0.590 χ^2/NDF : 2865177.7/63

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1027.051 ± 796.597 $\chi^2/\text{NDF}: 13.1/16$

Left Out: 944.079 ± 593.267 $\chi^2/\text{NDF}: 15.9/14$

Right Out: 428.488 ± 760.817 $\chi^2/\text{NDF}: 10.8/18$

Left In: -618.477 ± 609.243 $\chi^2/\text{NDF}: 16.8/12$

Left: 183.558 ± 425.039 $\chi^2/\text{NDF}: 36.1/27$

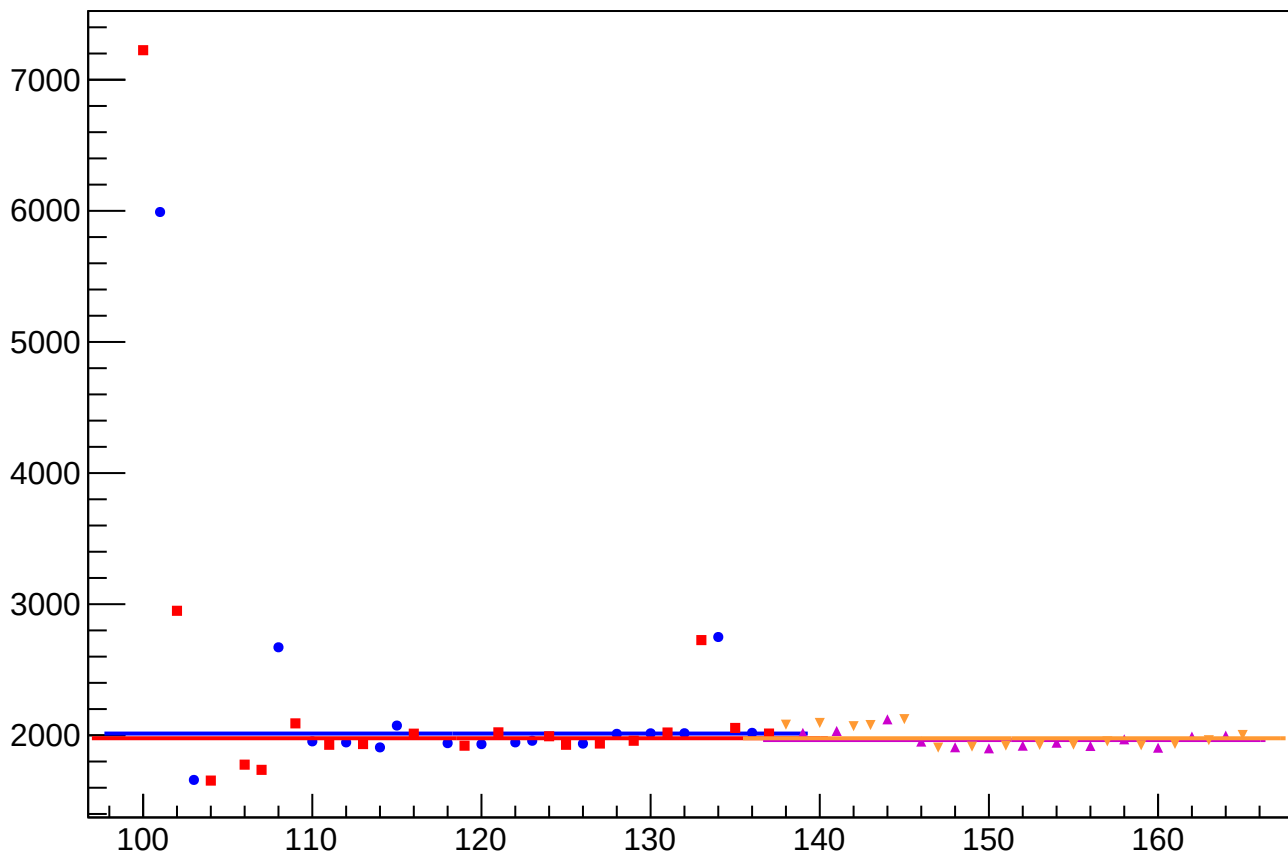
Right: -265.860 ± 550.193 $\chi^2/\text{NDF}: 25.6/35$

In: -769.265 ± 483.933 $\chi^2/\text{NDF}: 30.0/29$

Out: 749.119 ± 467.843 $\chi^2/\text{NDF}: 27.0/33$

All: 15.589 ± 336.359 $\chi^2/\text{NDF}: 62.1/63$

dit_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1977.342+/-0.420 χ^2/NDF : 30546.6/14

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

Left In: 1963.795+/-0.431 χ^2/NDF : 19898.1/12

Left: 1970.749+/-0.301 χ^2/NDF : 50952.3/27

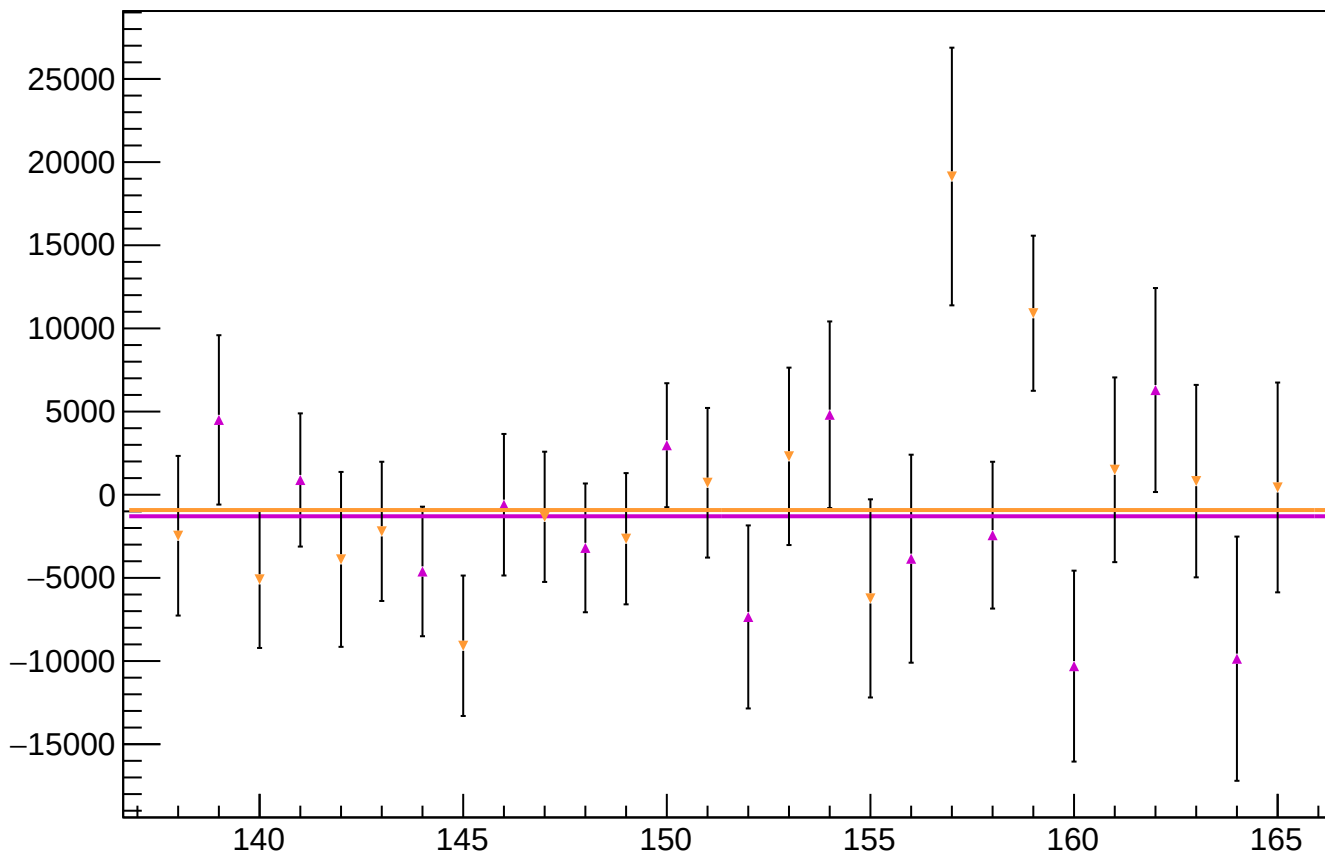
Right: 1994.568+/-0.389 χ^2/NDF : 947053.5/35

In: 1982.054+/-0.342 χ^2/NDF : 674814.3/29

Out: 1977.419+/-0.331 χ^2/NDF : 325445.8/33

All: 1979.657+/-0.238 χ^2/NDF : 1000354.9/63

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -920.824+/-1246.303 χ^2/NDF :20.2/14

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

Left In: -1295.233+/-1315.463 χ^2/NDF :11.9/12

Left: -1097.928+/-904.731 χ^2/NDF : 32.2/27

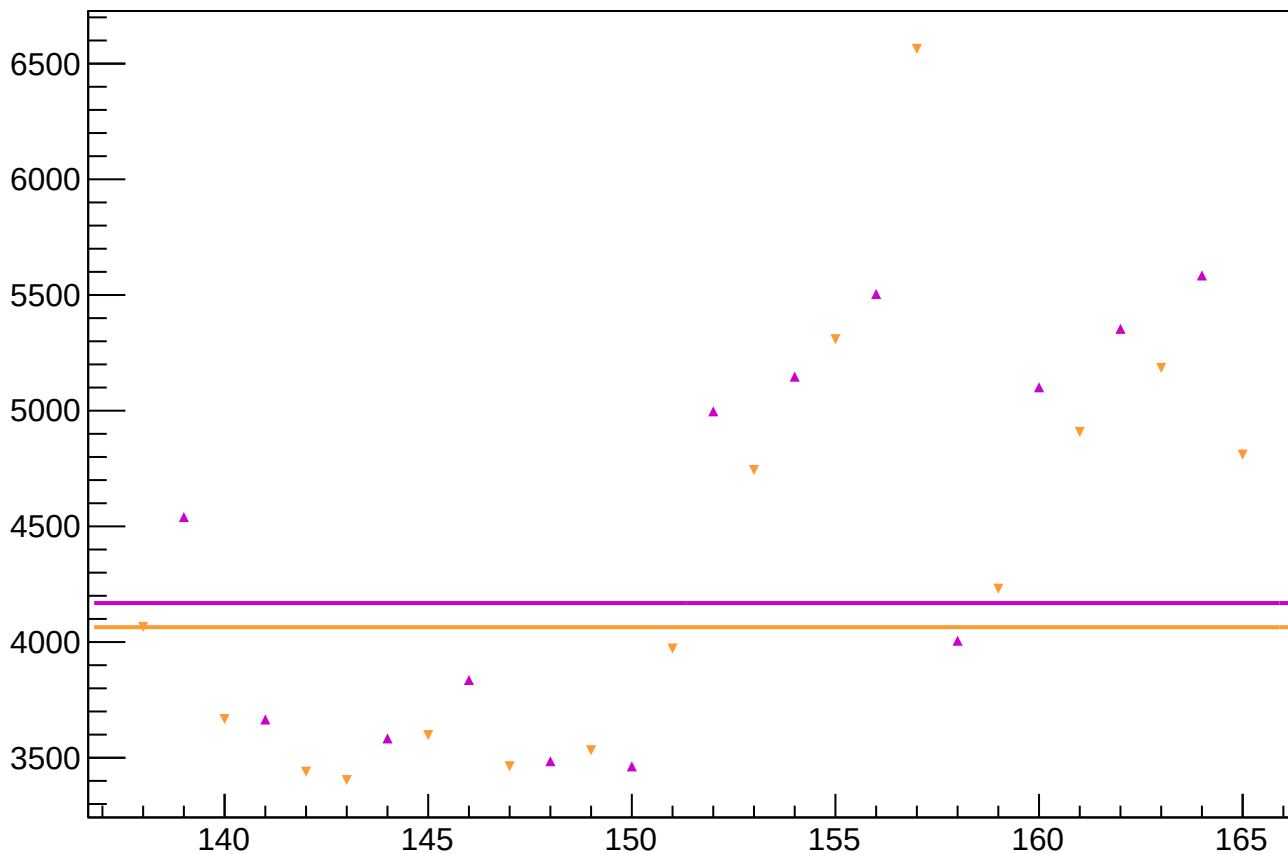
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1295.233+/-1315.463 χ^2/NDF :11.9/12

Out: -920.824+/-1246.303 χ^2/NDF :20.2/14

All: -1097.928+/-904.731 χ^2/NDF : 32.2/27

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4064.358+/-0.881 χ^2/NDF :684982.3/14

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

Left In: 4168.699+/-0.930 χ^2/NDF :635655.2/12

Left: 4113.714+/-0.640 χ^2/NDF : 1327268.4/27

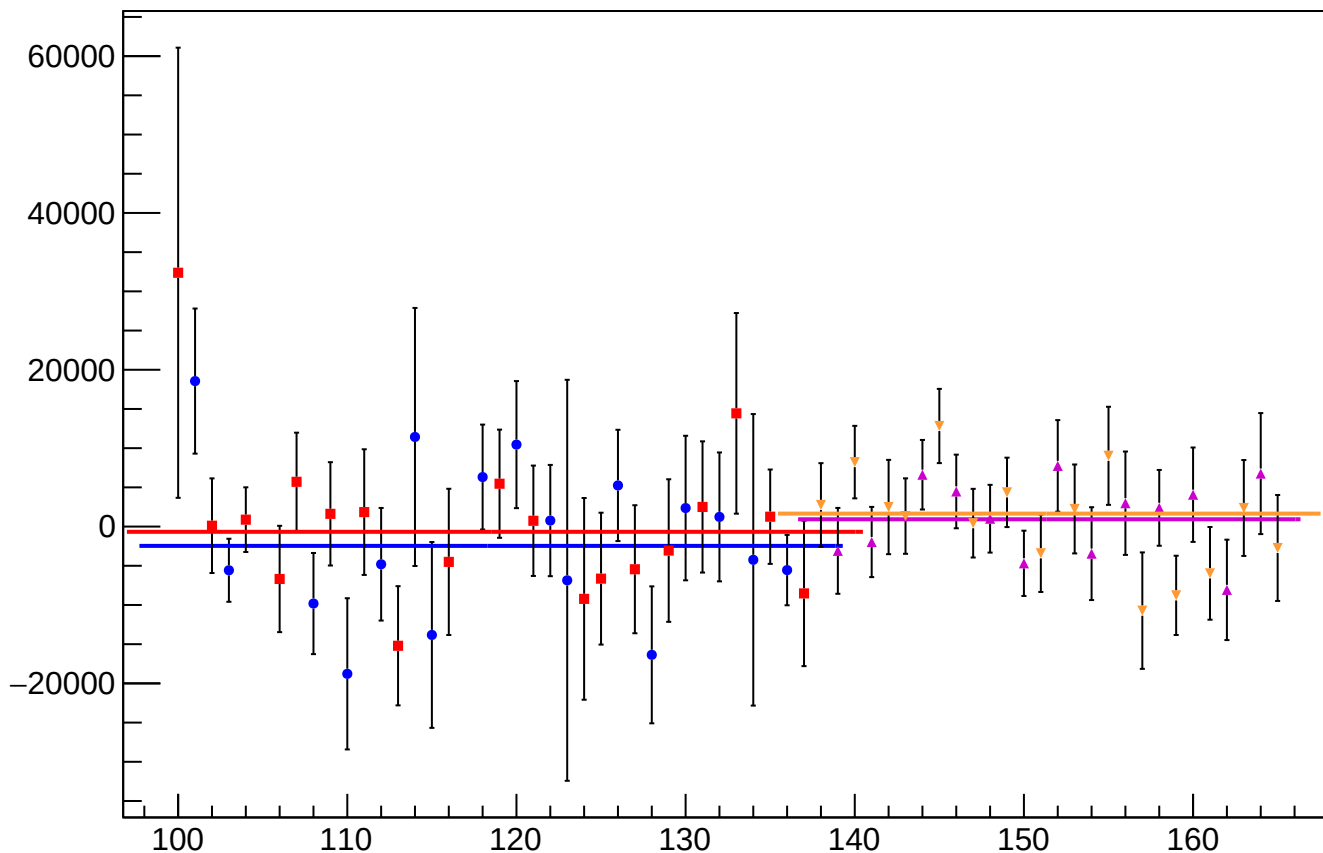
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4168.699+/-0.930 χ^2/NDF :635655.2/12

Out: 4064.358+/-0.881 χ^2/NDF :684982.3/14

All: 4113.714+/-0.640 χ^2/NDF : 1327268.4/27

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1654.472+/-1369.810 χ^2/NDF : 19.7/14

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

Left In: 929.435+/-1438.601 χ^2/NDF : 9.9/12

Left: 1309.702+/-992.030 χ^2/NDF : 29.7/27

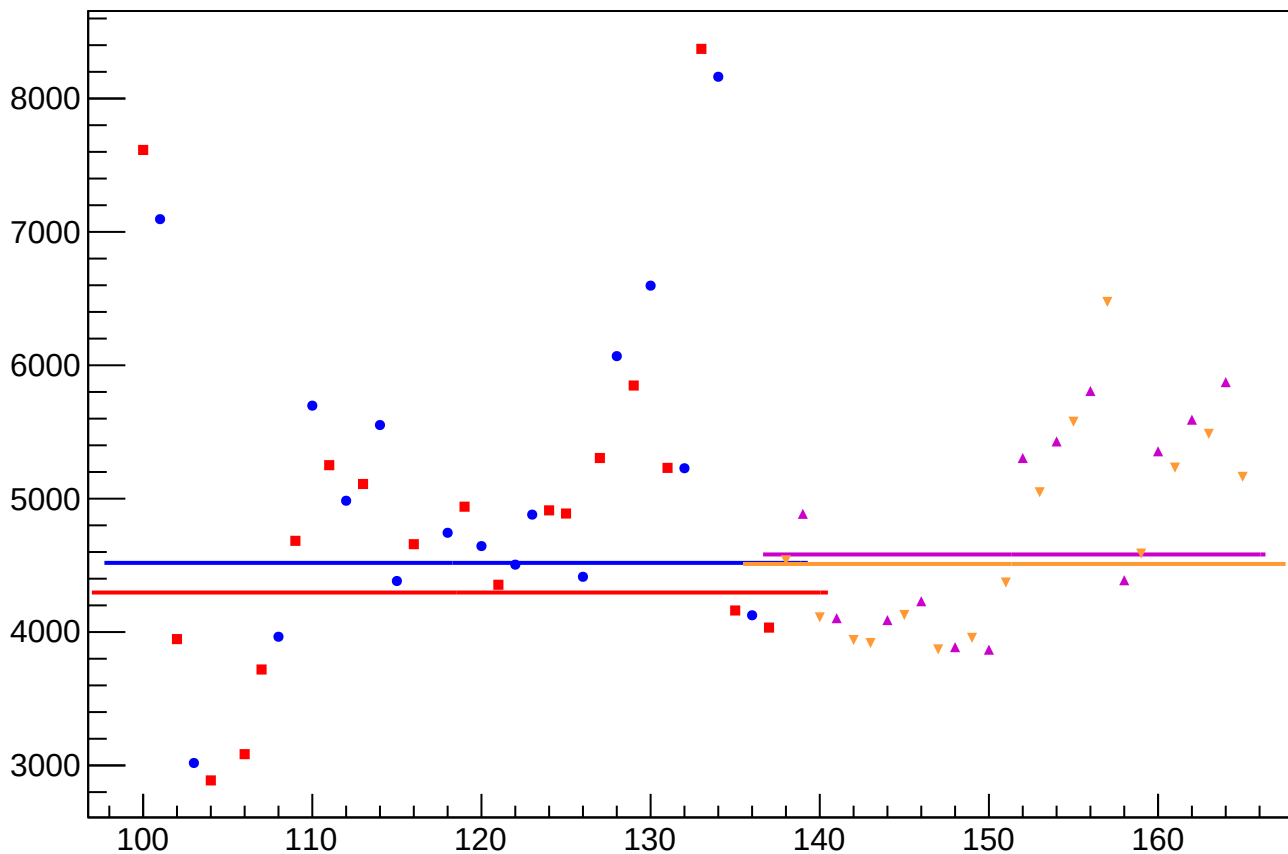
Right: -1508.905+/-1231.122 χ^2/NDF : 33.3/35

In: -395.012+/-1123.125 χ^2/NDF : 32.9/29

Out: 734.238+/-1064.102 χ^2/NDF : 32.7/33

All: 200.064+/-772.457 χ^2/NDF : 66.2/63

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4518.684 ± 1.271 $\chi^2/\text{NDF}: 770226.9/16$

Left Out: 4510.520 ± 0.969 $\chi^2/\text{NDF}: 468072.7/14$

Right Out: 4296.379 ± 1.188 $\chi^2/\text{NDF}: 771702.5/18$

Left In: 4581.759 ± 1.017 $\chi^2/\text{NDF}: 458235.0/12$

Left: 4544.396 ± 0.701 $\chi^2/\text{NDF}: 928880.0/27$

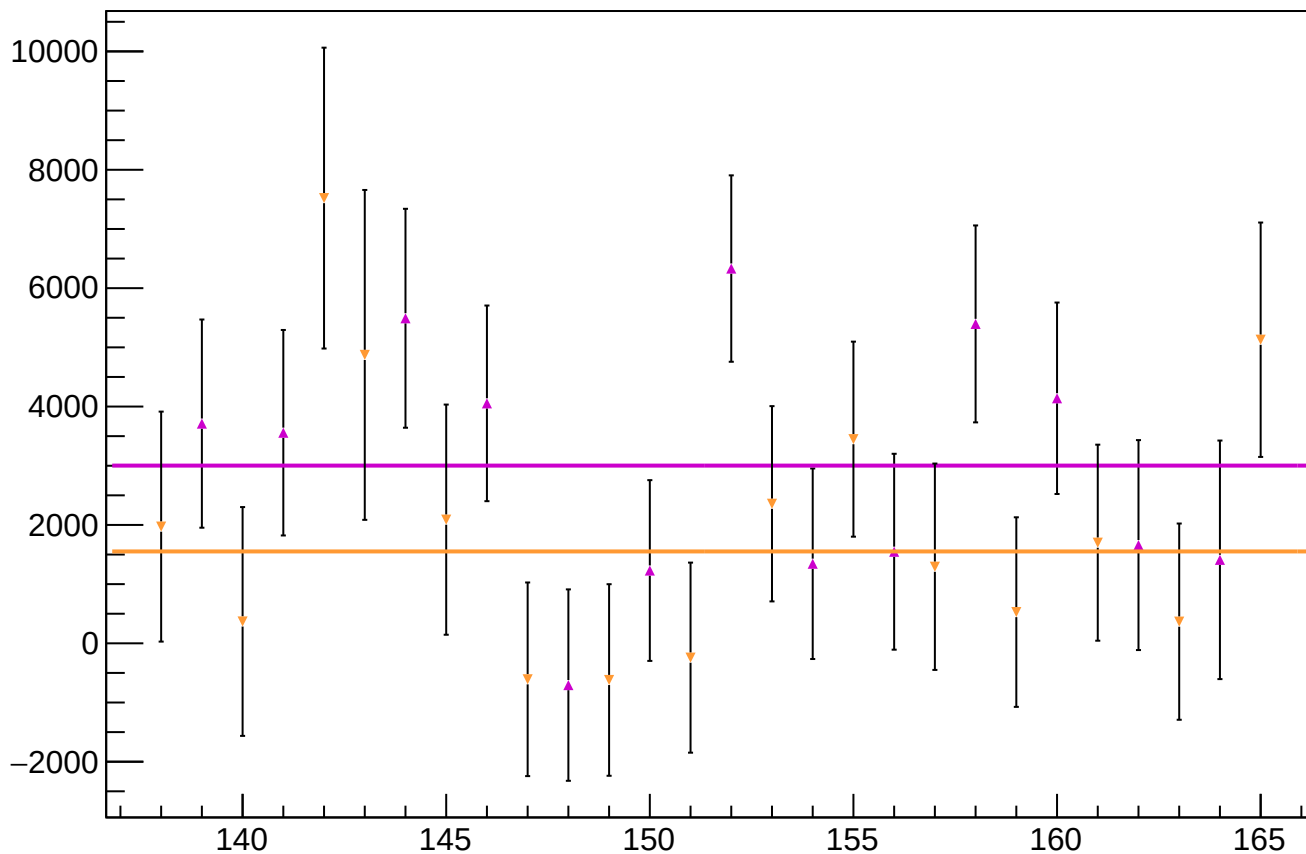
Right: 4400.071 ± 0.868 $\chi^2/\text{NDF}: 1558255.2/35$

In: 4557.128 ± 0.794 $\chi^2/\text{NDF}: 1229963.3/29$

Out: 4425.034 ± 0.751 $\chi^2/\text{NDF}: 1259287.6/33$

All: 4487.373 ± 0.546 $\chi^2/\text{NDF}: 2503860.3/63$

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: 1552.359+/-463.085 χ^2/NDF : 18.0/14

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

Left In: 3002.479+/-466.884 χ^2/NDF : 19.2/12

Left: 2271.495+/-328.786 χ^2/NDF : 42.0/27

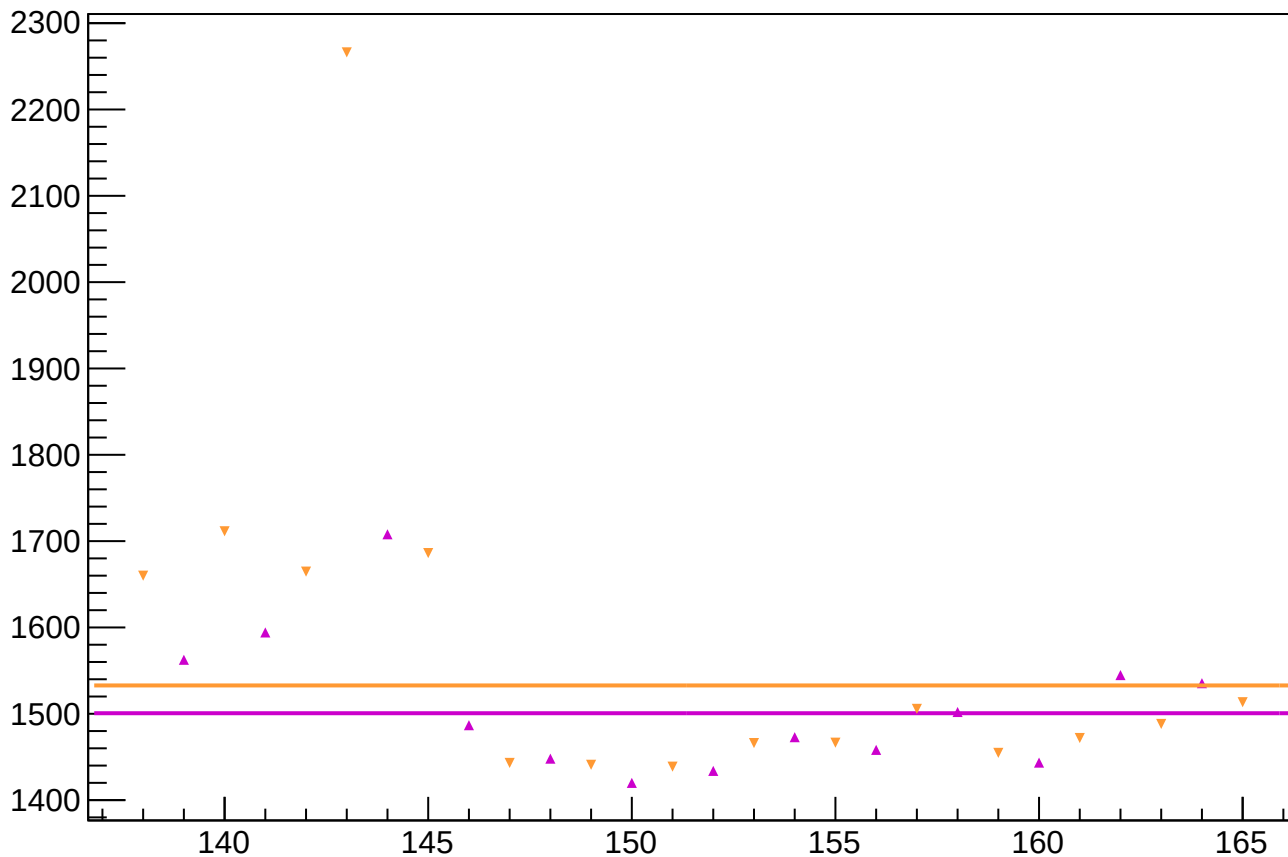
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3002.479+/-466.884 χ^2/NDF : 19.2/12

Out: 1552.359+/-463.085 χ^2/NDF : 18.0/14

All: 2271.495+/-328.786 χ^2/NDF : 42.0/27

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: 1532.835+/-0.327 χ^2/NDF :217424.3/14

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

Left In: 1500.648+/-0.330 χ^2/NDF :51110.1/12

Left: 1516.873+/-0.232 χ^2/NDF : 273325.9/27

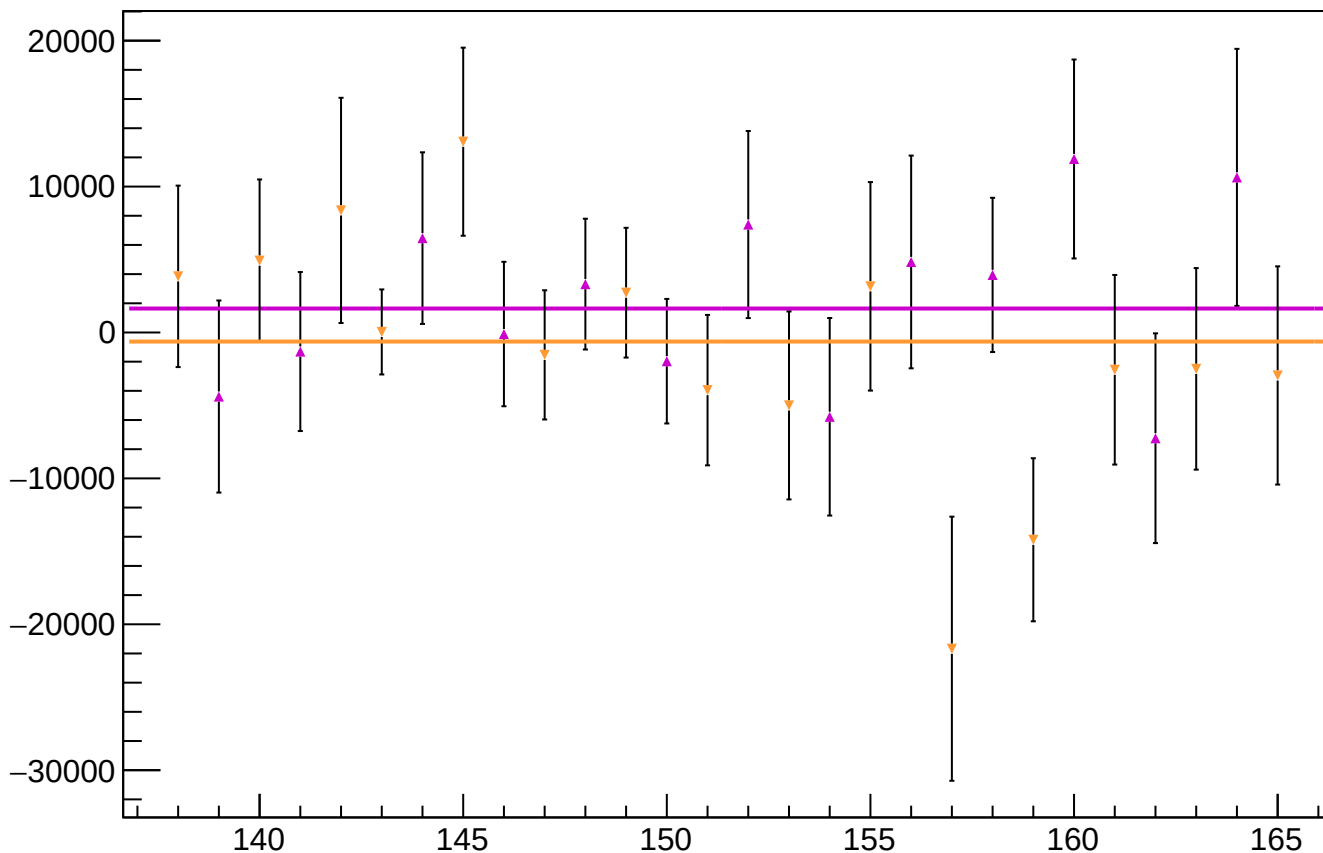
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1500.648+/-0.330 χ^2/NDF :51110.1/12

Out: 1532.835+/-0.327 χ^2/NDF :217424.3/14

All: 1516.873+/-0.232 χ^2/NDF : 273325.9/27

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: -621.353+/-1405.255 χ^2/NDF :20.8/14

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

Left In: 1641.684+/-1610.214 χ^2/NDF :10.0/12

Left: 357.056+/-1058.761 χ^2/NDF : 31.9/27

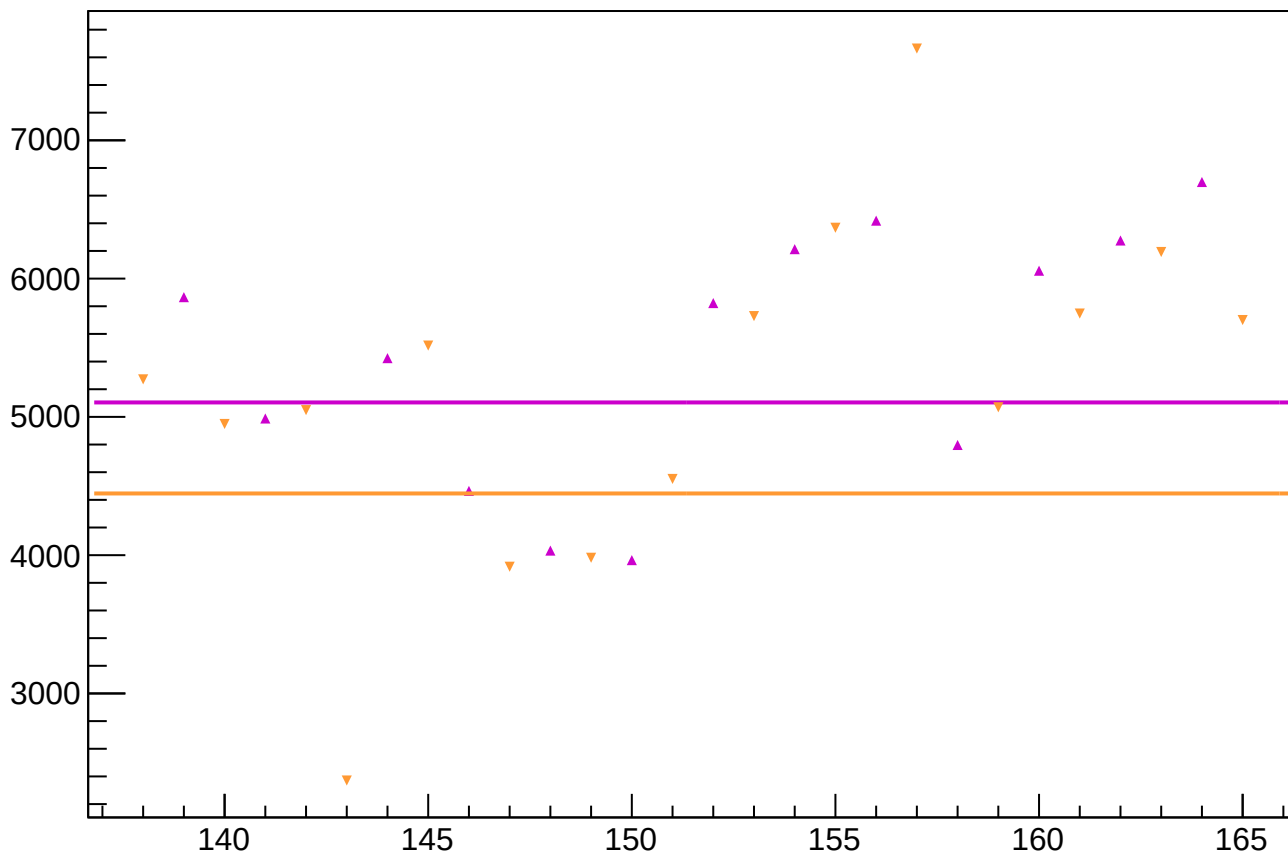
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1641.684+/-1610.214 χ^2/NDF :10.0/12

Out: -621.353+/-1405.255 χ^2/NDF :20.8/14

All: 357.056+/-1058.761 χ^2/NDF : 31.9/27

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: 4446.233+/-0.994 χ^2/NDF :1950588.6/14

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

Left In: 5104.458+/-1.139 χ^2/NDF :632240.4/12

Left: 4730.812+/-0.749 χ^2/NDF : 2772542.2/27

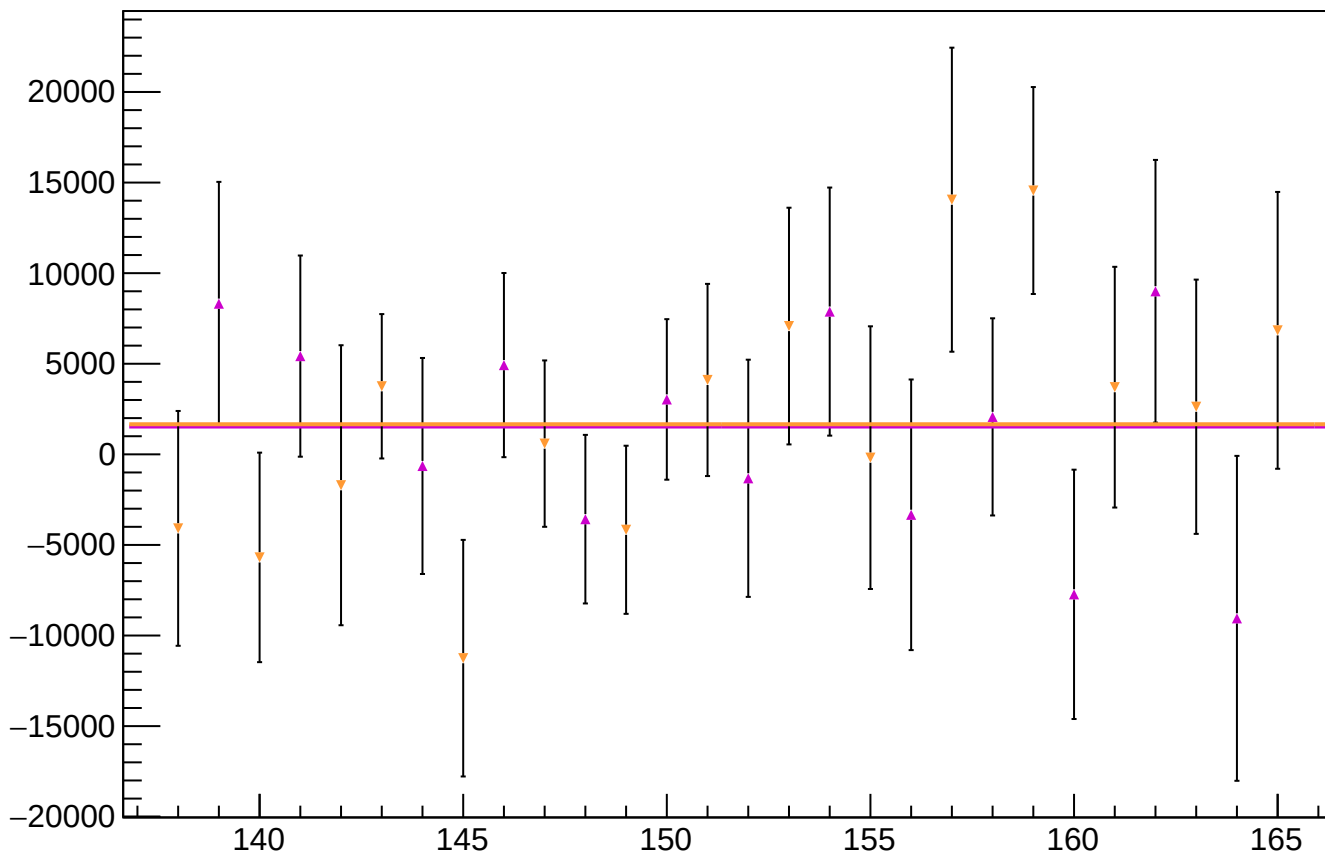
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5104.458+/-1.139 χ^2/NDF :632240.4/12

Out: 4446.233+/-0.994 χ^2/NDF :1950588.6/14

All: 4730.812+/-0.749 χ^2/NDF : 2772542.2/27

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: 1660.712+/-1518.322 χ^2/NDF :17.2/14

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

Left In: 1535.489+/-1649.489 χ^2/NDF :9.2/12

Left: 1603.277+/-1117.113 χ^2/NDF : 26.4/27

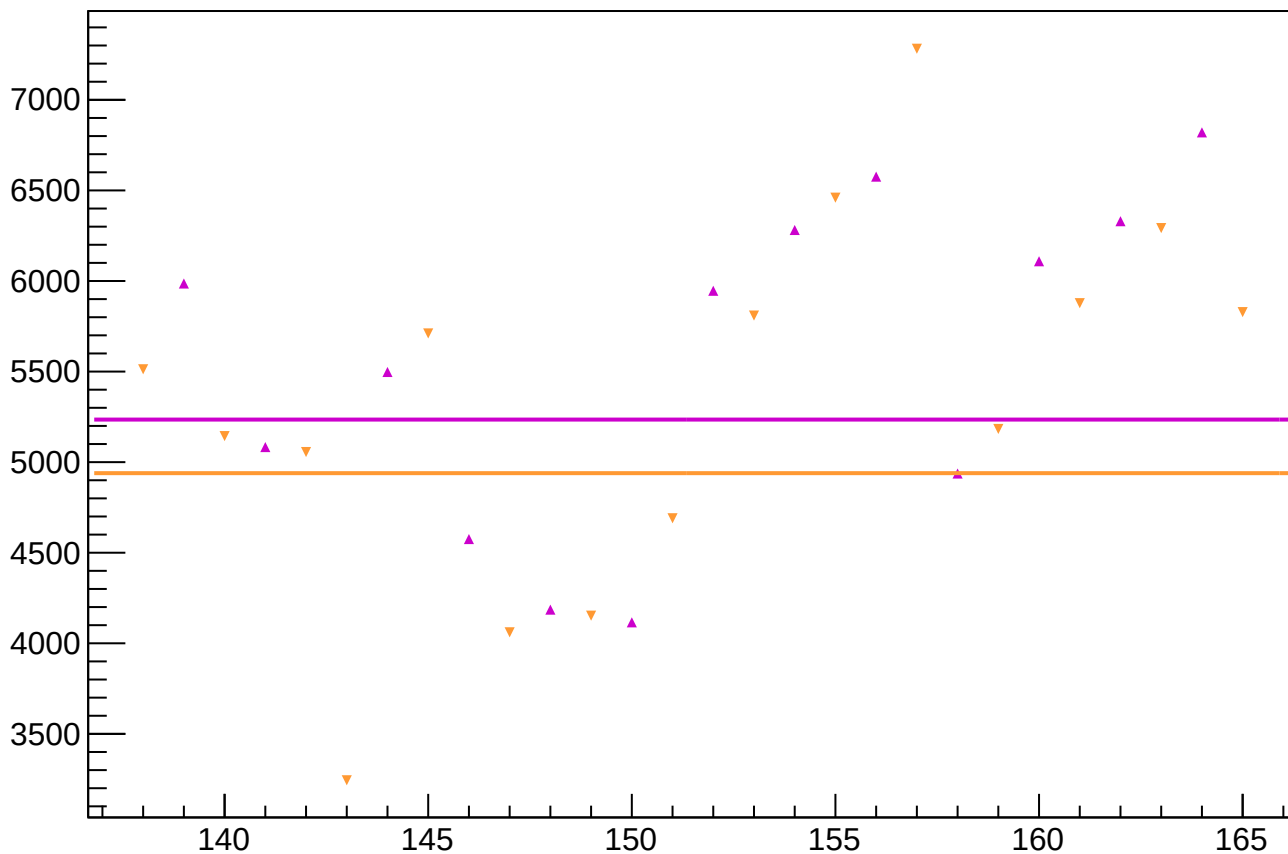
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1535.489+/-1649.489 χ^2/NDF :9.2/12

Out: 1660.712+/-1518.322 χ^2/NDF :17.2/14

All: 1603.277+/-1117.113 χ^2/NDF : 26.4/27

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: 4939.231+/-1.074 χ^2/NDF :968183.2/14

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

Left In: 5235.010+/-1.166 χ^2/NDF :574643.4/12

Left: 5074.895+/-0.790 χ^2/NDF : 1577638.8/27

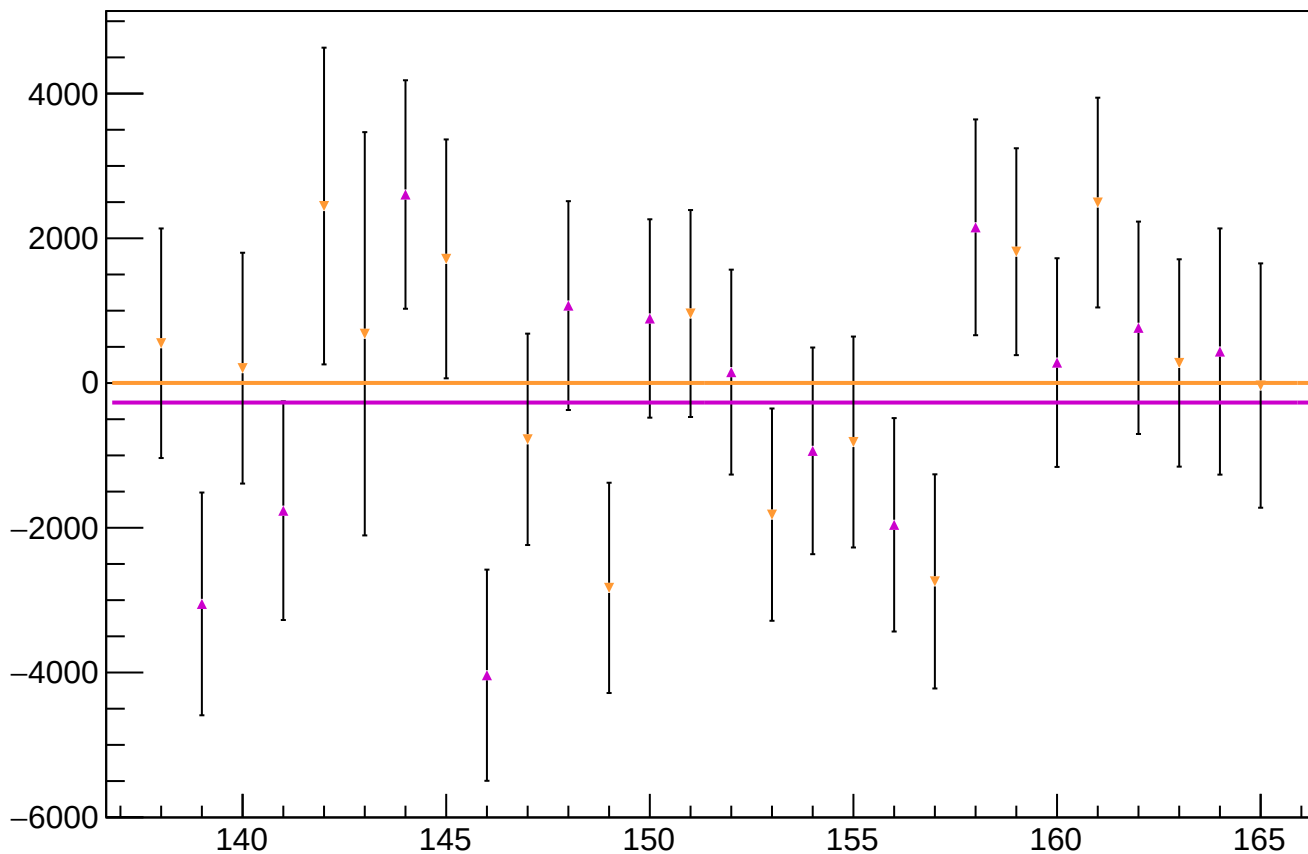
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5235.010+/-1.166 χ^2/NDF :574643.4/12

Out: 4939.231+/-1.074 χ^2/NDF :968183.2/14

All: 5074.895+/-0.790 χ^2/NDF : 1577638.8/27

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: 1.602 $\pm$ 404.139 χ^2 /NDF:16.9/14

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

Left In: -269.602 $\pm$ 410.522 χ^2 /NDF:20.9/12

Left: -131.875 $\pm$ 288.000 χ^2 /NDF: 38.1/27

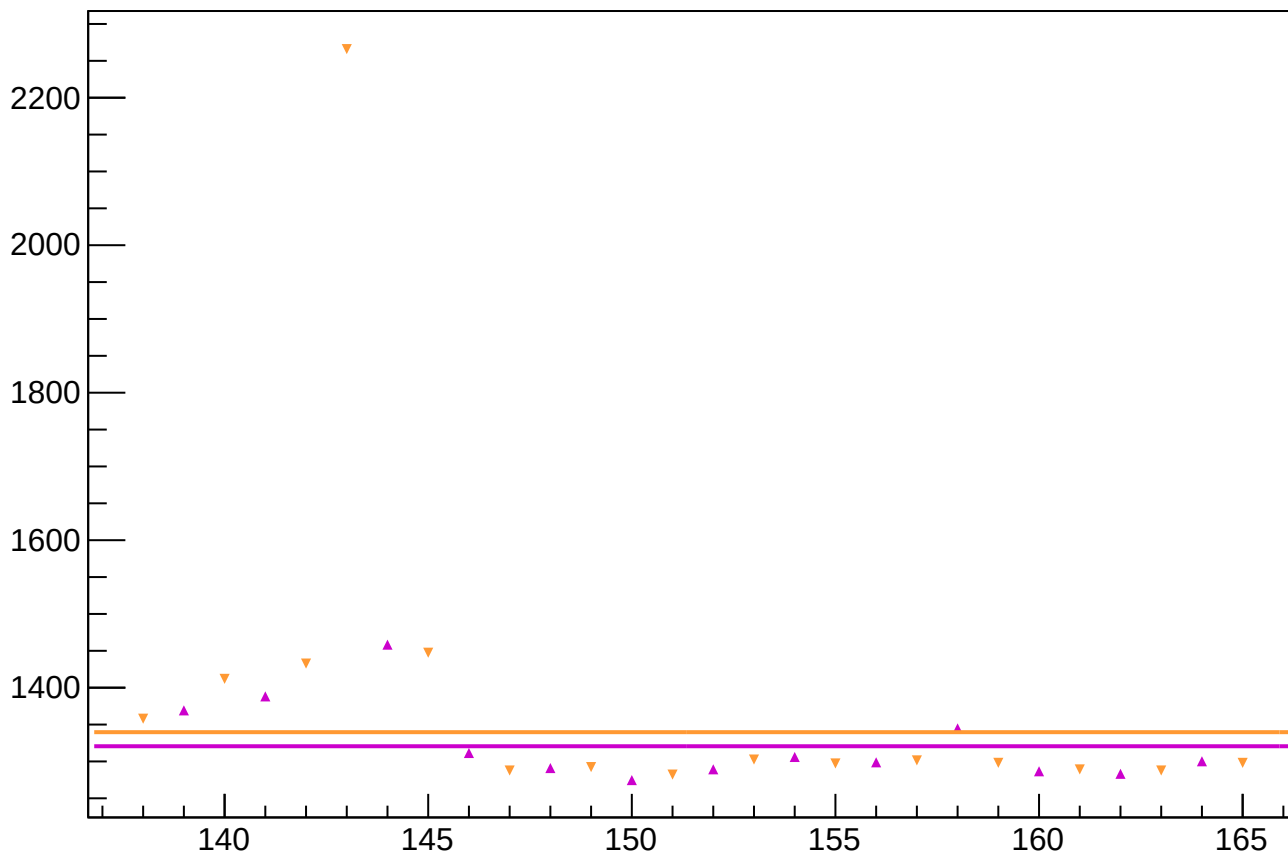
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -269.602 $\pm$ 410.522 χ^2 /NDF:20.9/12

Out: 1.602 $\pm$ 404.139 χ^2 /NDF:16.9/14

All: -131.875 $\pm$ 288.000 χ^2 /NDF: 38.1/27

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: 1339.680+/-0.286 χ^2/NDF :257671.6/14

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

Left In: 1320.601+/-0.290 χ^2/NDF :29235.6/12

Left: 1330.290+/-0.204 χ^2/NDF : 289101.1/27

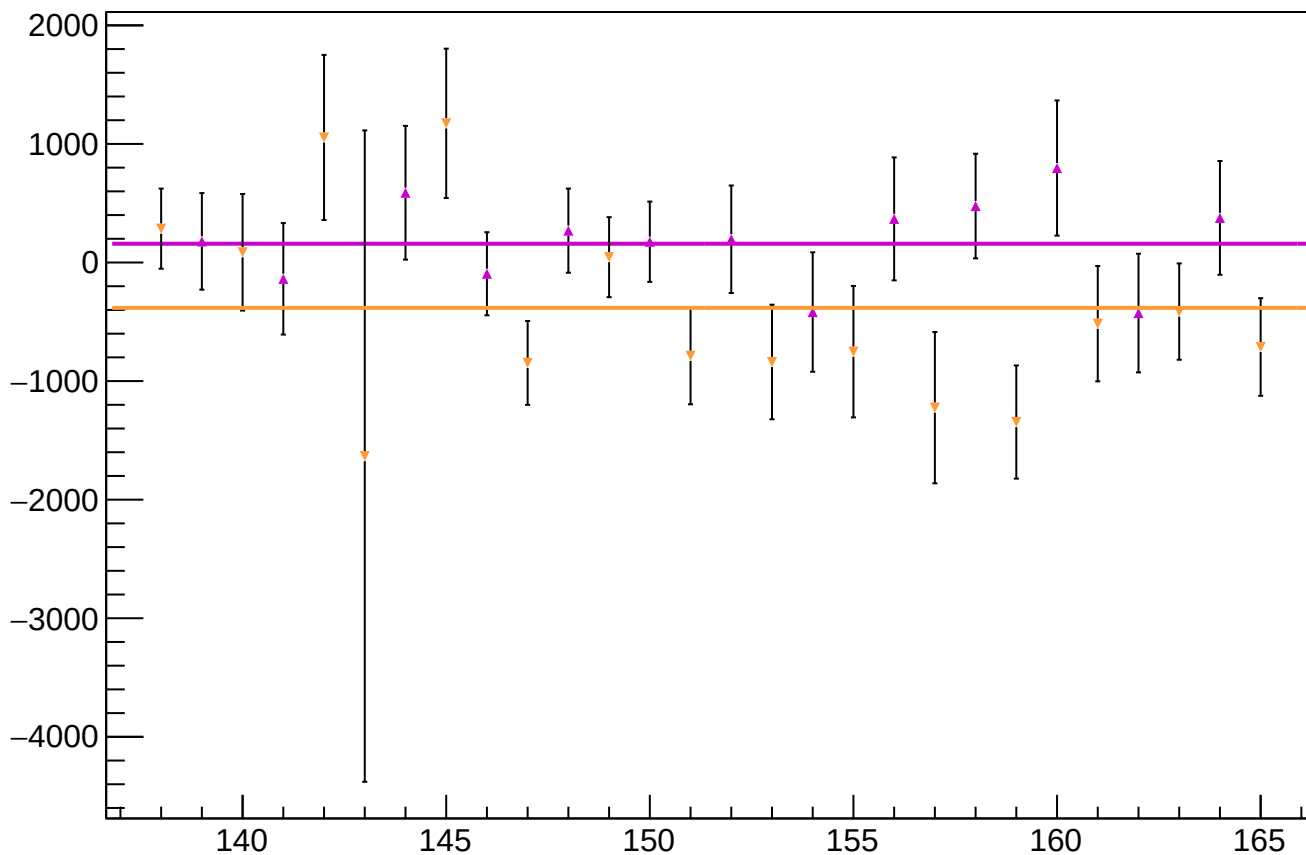
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1320.601+/-0.290 χ^2/NDF :29235.6/12

Out: 1339.680+/-0.286 χ^2/NDF :257671.6/14

All: 1330.290+/-0.204 χ^2/NDF : 289101.1/27

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: -382.656+/-118.725 χ^2/NDF :27.6/14

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

Left In: 158.374+/-121.633 χ^2/NDF :6.4/12

Left: -118.685+/-84.961 χ^2/NDF : 44.1/27

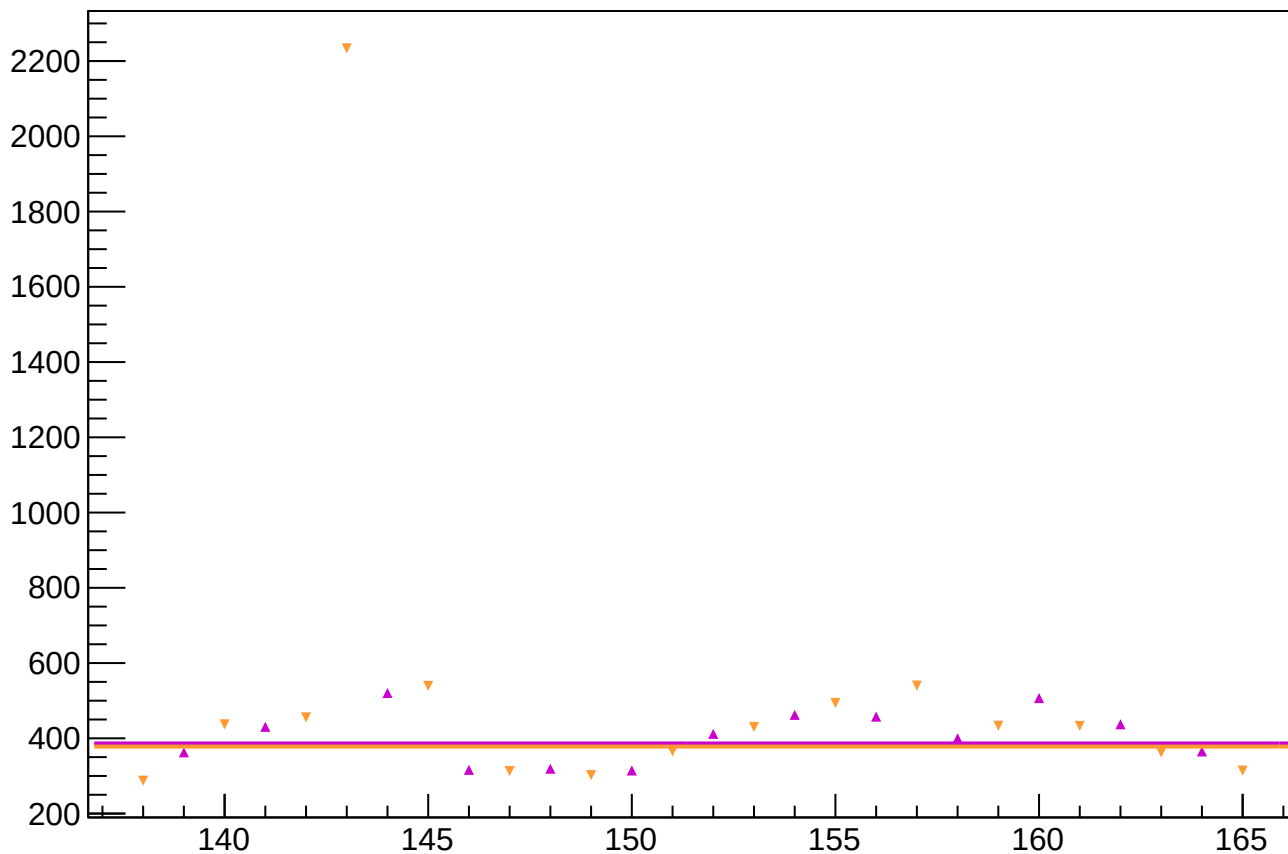
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 158.374+/-121.633 χ^2/NDF :6.4/12

Out: -382.656+/-118.725 χ^2/NDF :27.6/14

All: -118.685+/-84.961 χ^2/NDF : 44.1/27

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: 378.094+/-0.084 χ^2/NDF :1755483.5/14

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

Left In: 386.279+/-0.086 χ^2/NDF :585017.2/12

Left: 382.088+/-0.060 χ^2/NDF : 2345137.6/27

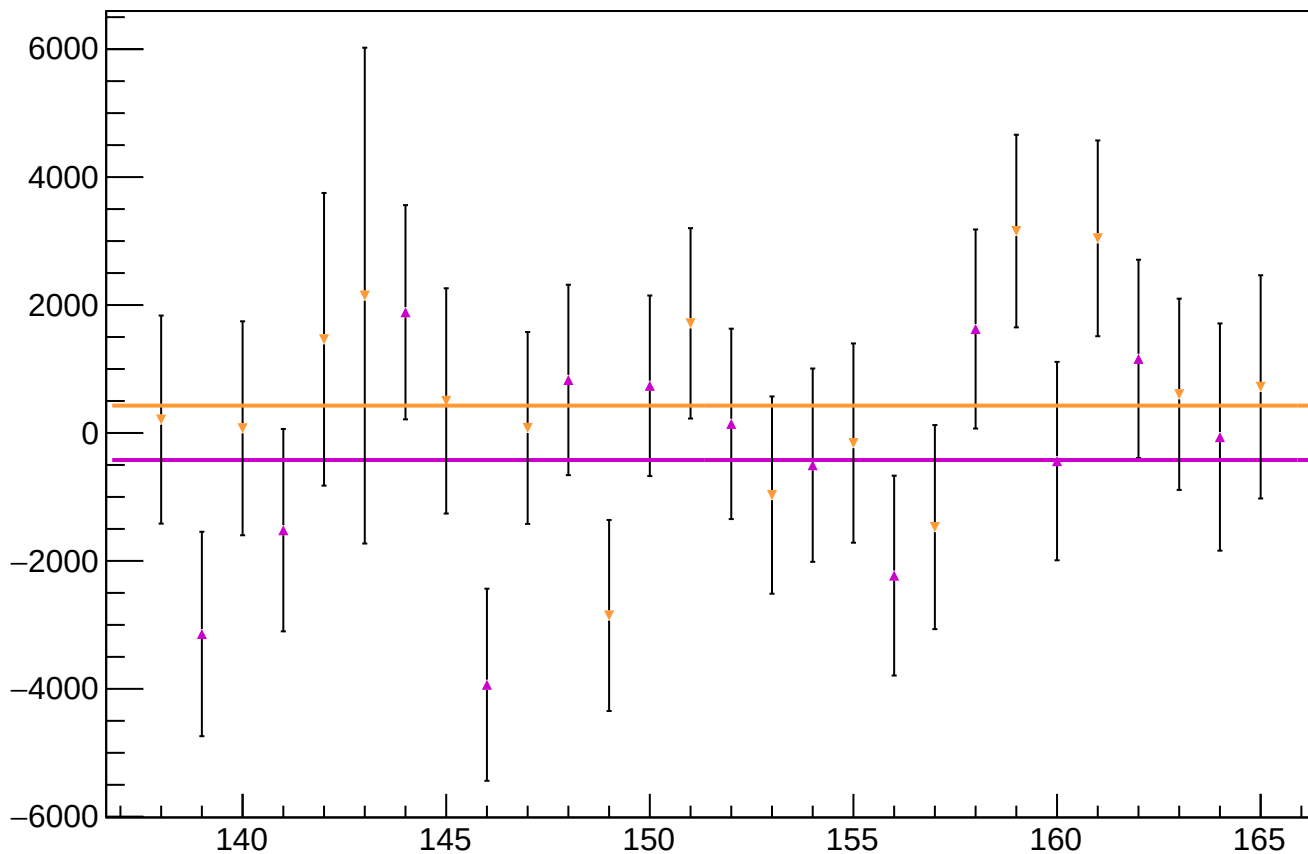
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 386.279+/-0.086 χ^2/NDF :585017.2/12

Out: 378.094+/-0.084 χ^2/NDF :1755483.5/14

All: 382.088+/-0.060 χ^2/NDF : 2345137.6/27

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: 427.852 $\pm$ 425.228 χ^2 /NDF:14.7/14

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

Left In: -422.754 $\pm$ 430.041 χ^2 /NDF:16.4/12

Left: 7.336 $\pm$ 302.369 χ^2 /NDF: 33.1/27

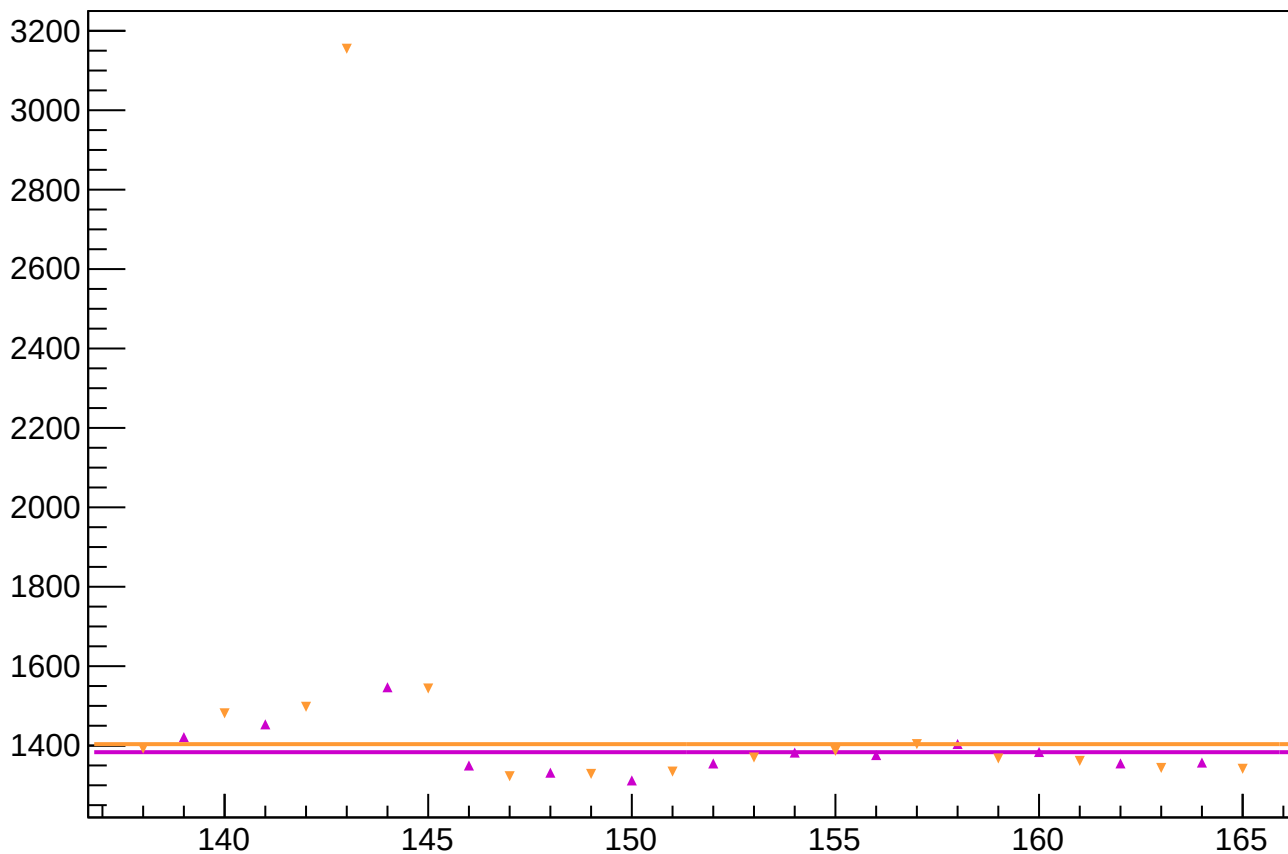
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -422.754 $\pm$ 430.041 χ^2 /NDF:16.4/12

Out: 427.852 $\pm$ 425.228 χ^2 /NDF:14.7/14

All: 7.336 $\pm$ 302.369 χ^2 /NDF: 33.1/27

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: 1403.636+/-0.301 χ^2/NDF :453573.4/14

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

Left In: 1383.390+/-0.304 χ^2/NDF :34830.7/12

Left: 1393.627+/-0.214 χ^2/NDF : 490645.6/27

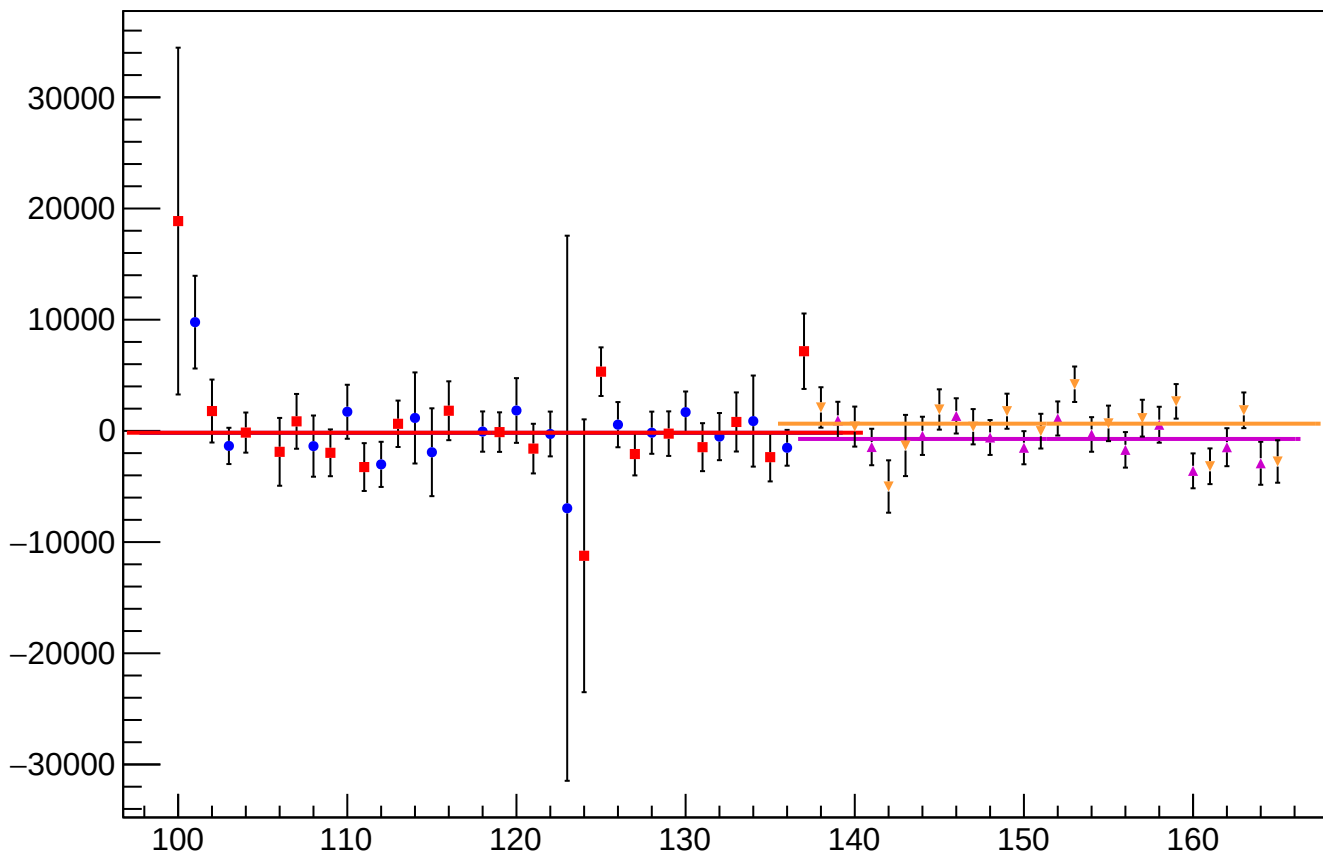
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1383.390+/-0.304 χ^2/NDF :34830.7/12

Out: 1403.636+/-0.301 χ^2/NDF :453573.4/14

All: 1393.627+/-0.214 χ^2/NDF : 490645.6/27

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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

Left Out: 649.143+/-444.905 χ^2/NDF : 24.3/14

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

Left In: -725.488+/-449.427 χ^2/NDF : 10.5/12

Left: -31.222+/-316.182 χ^2/NDF : 39.5/27

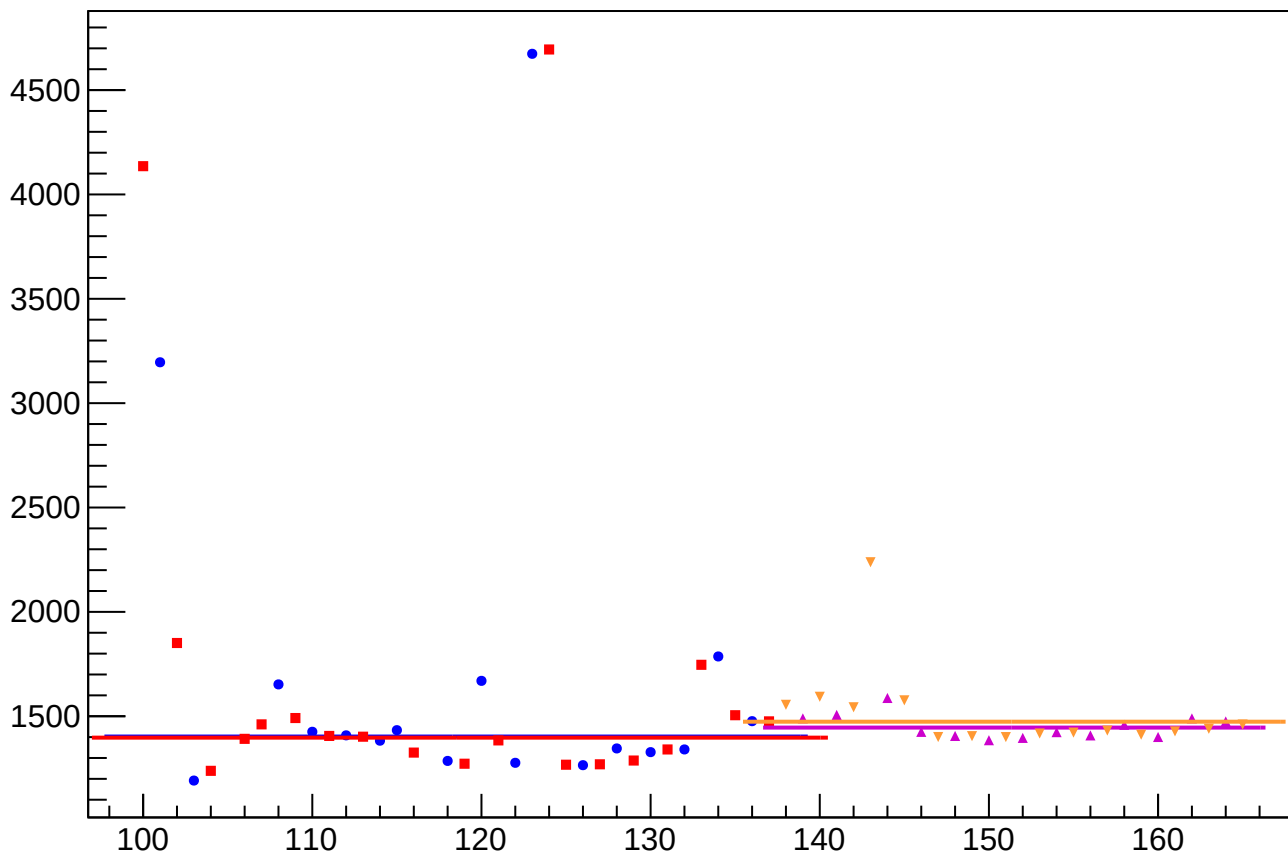
Right: -169.758+/-386.953 χ^2/NDF : 32.4/35

In: -507.248+/-349.186 χ^2/NDF : 22.9/29

Out: 320.052+/-343.399 χ^2/NDF : 46.3/33

All: -86.686+/-244.840 χ^2/NDF : 72.0/63

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



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

Left Out: 1473.805+/-0.315 χ^2/NDF : 199404.0/14

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

Left In: 1445.599+/-0.318 χ^2/NDF : 29849.8/12

Left: 1459.845+/-0.224 χ^2/NDF : 233232.4/27

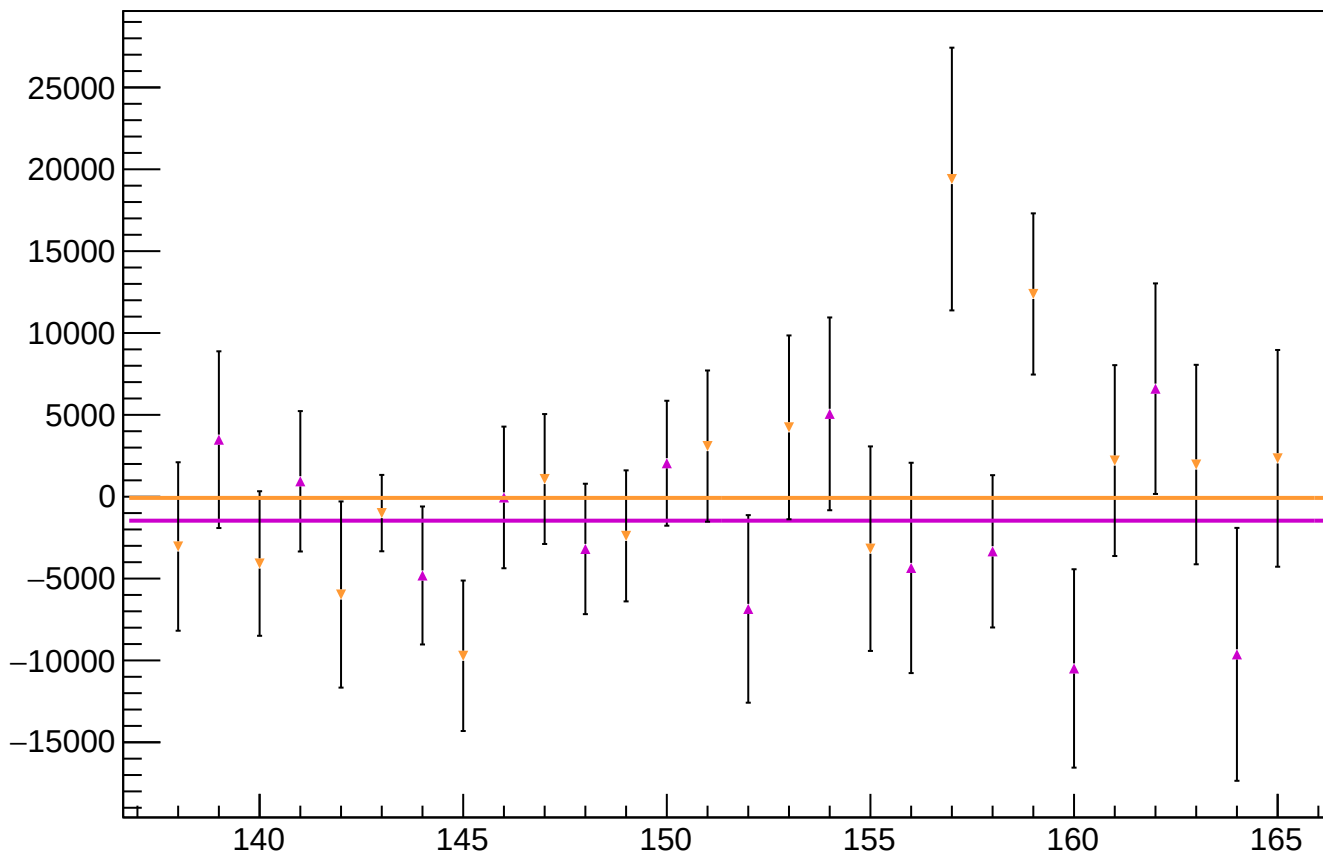
Right: 1400.004+/-0.274 χ^2/NDF : 879784.5/35

In: 1428.600+/-0.247 χ^2/NDF : 563395.7/29

Out: 1442.914+/-0.243 χ^2/NDF : 576604.0/33

All: 1435.879+/-0.173 χ^2/NDF : 1141708.6/63

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -72.479+/-1180.699 χ^2/NDF :21.2/14

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

Left In: -1463.497+/-1376.085 χ^2/NDF :10.3/12

Left: -662.306+/-896.068 χ^2/NDF : 32.1/27

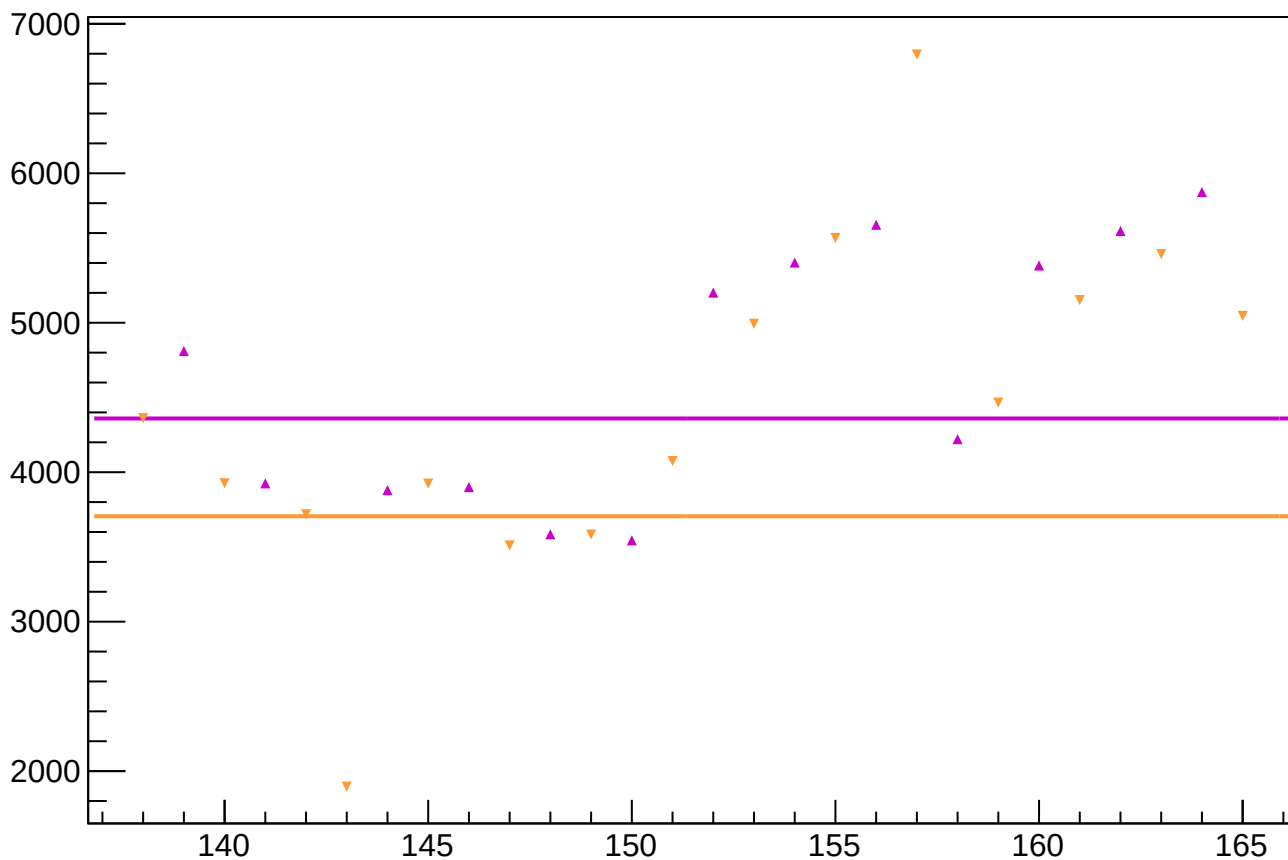
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1463.497+/-1376.085 χ^2/NDF :10.3/12

Out: -72.479+/-1180.699 χ^2/NDF :21.2/14

All: -662.306+/-896.068 χ^2/NDF : 32.1/27

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: 3705.281+/-0.835 χ^2/NDF :2261897.8/14

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

Left In: 4359.515+/-0.973 χ^2/NDF :649097.5/12

Left: 3982.692+/-0.634 χ^2/NDF : 3171376.7/27

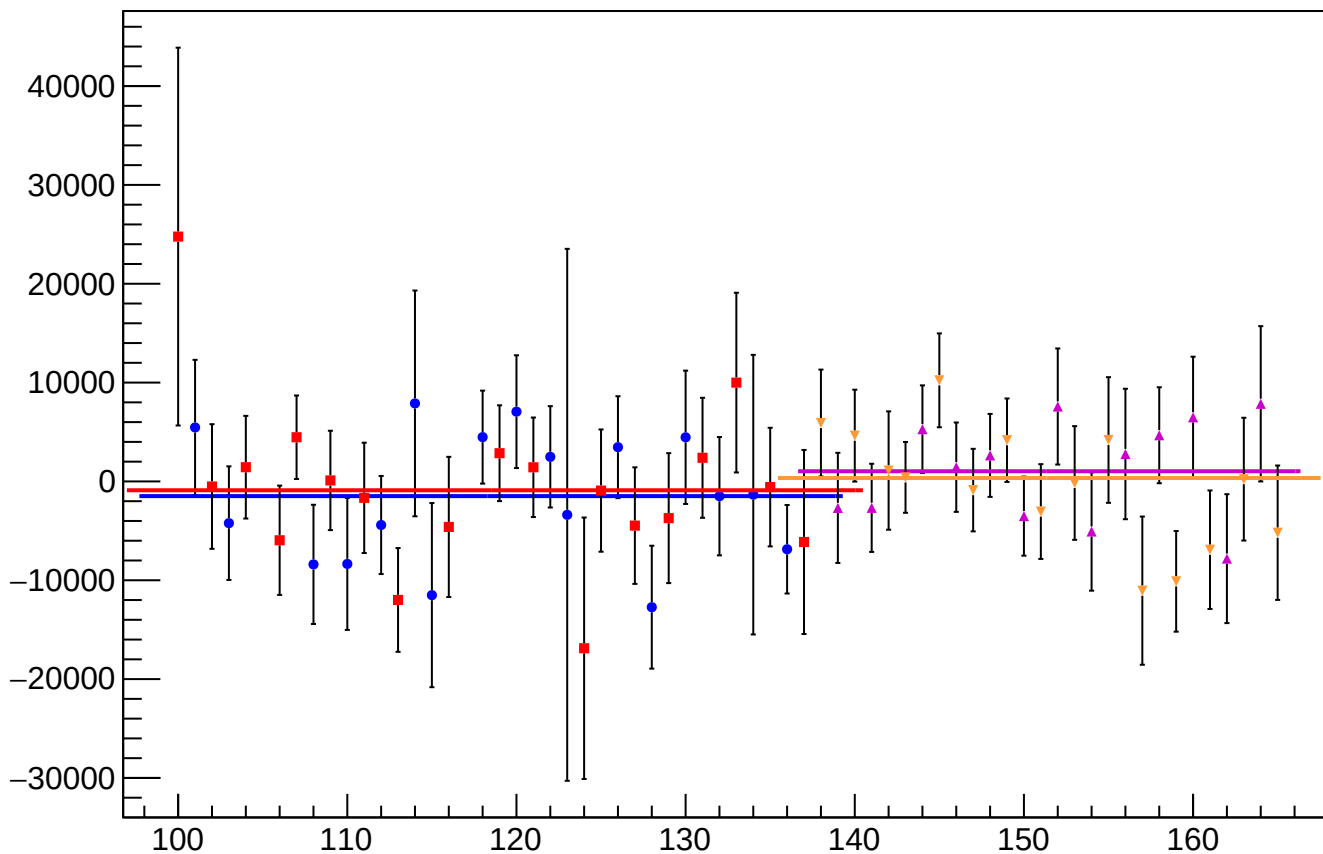
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4359.515+/-0.973 χ^2/NDF :649097.5/12

Out: 3705.281+/-0.835 χ^2/NDF :2261897.8/14

All: 3982.692+/-0.634 χ^2/NDF : 3171376.7/27

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: 343.857+/-1319.543 χ^2/NDF : 16.7/14

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

Left In: 1032.242+/-1428.481 χ^2/NDF : 9.8/12

Left: 660.803+/-969.285 χ^2/NDF : 26.6/27

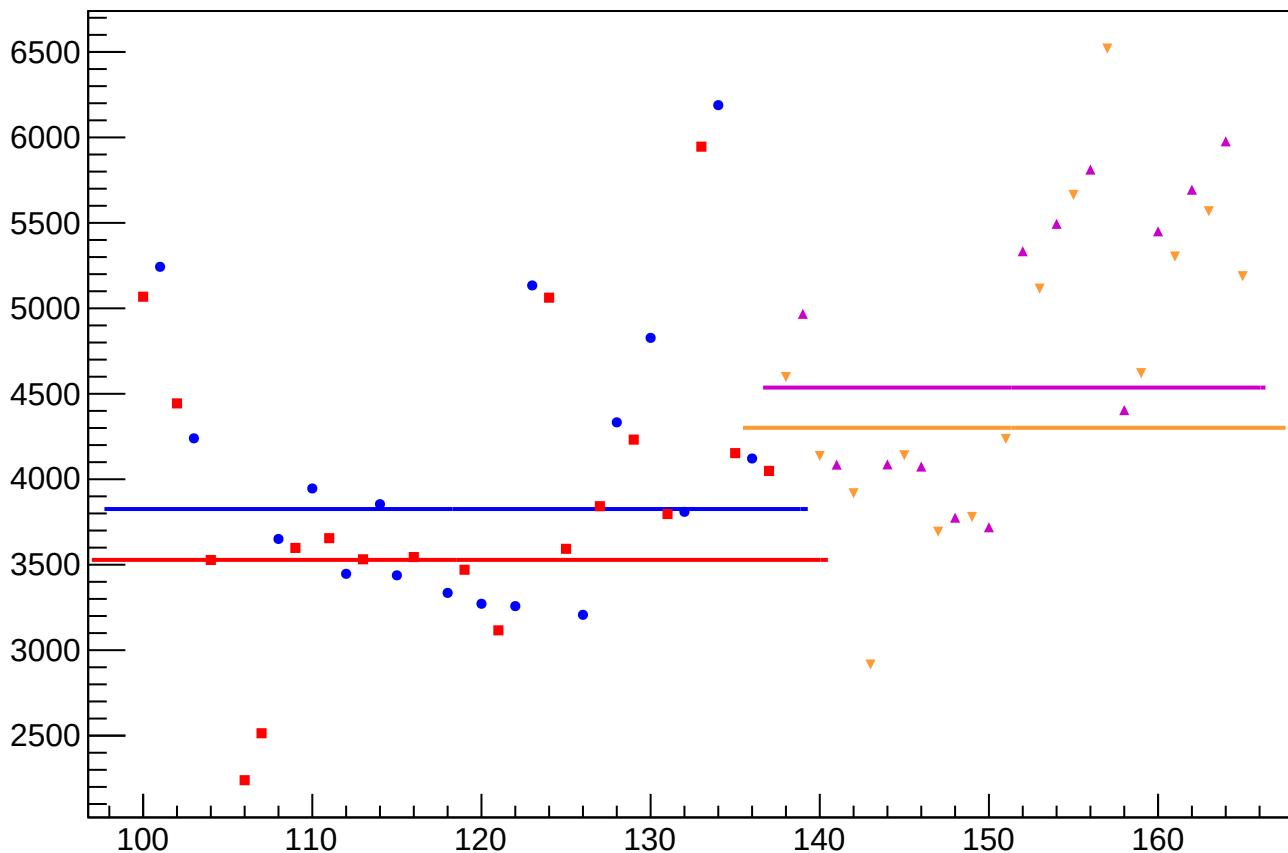
Right: -1165.879+/-1014.876 χ^2/NDF : 30.9/35

In: -166.650+/-1034.158 χ^2/NDF : 27.9/29

Out: -247.928+/-953.355 χ^2/NDF : 31.2/33

All: -210.588+/-700.951 χ^2/NDF : 59.2/63

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: 4301.041+/-0.933 χ^2/NDF : 879483.5/14

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

Left In: 4536.406+/-1.010 χ^2/NDF : 562048.8/12

Left: 4409.408+/-0.685 χ^2/NDF : 1470829.2/27

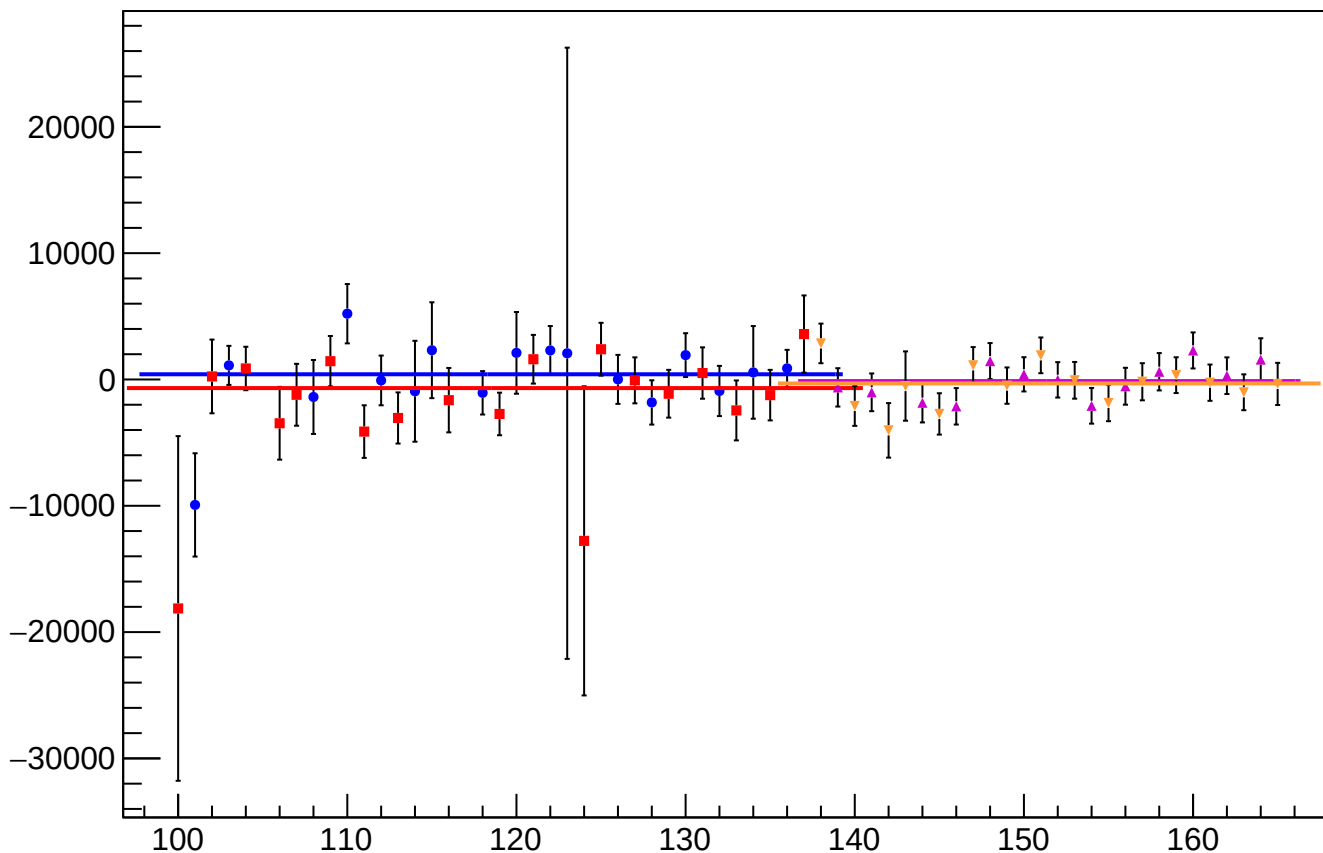
Right: 3663.316+/-0.714 χ^2/NDF : 932858.8/35

In: 4198.250+/-0.731 χ^2/NDF : 1131958.5/29

Out: 3928.135+/-0.671 χ^2/NDF : 1765893.0/33

All: 4051.642+/-0.494 χ^2/NDF : 2971909.4/63

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



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

Left Out: -314.465 $\pm$ 400.051 χ^2 /NDF:15.6/14

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

Left In: -127.747 $\pm$ 406.126 χ^2 /NDF:11.2/12

Left: -222.513 $\pm$ 285.002 χ^2 /NDF: 26.9/27

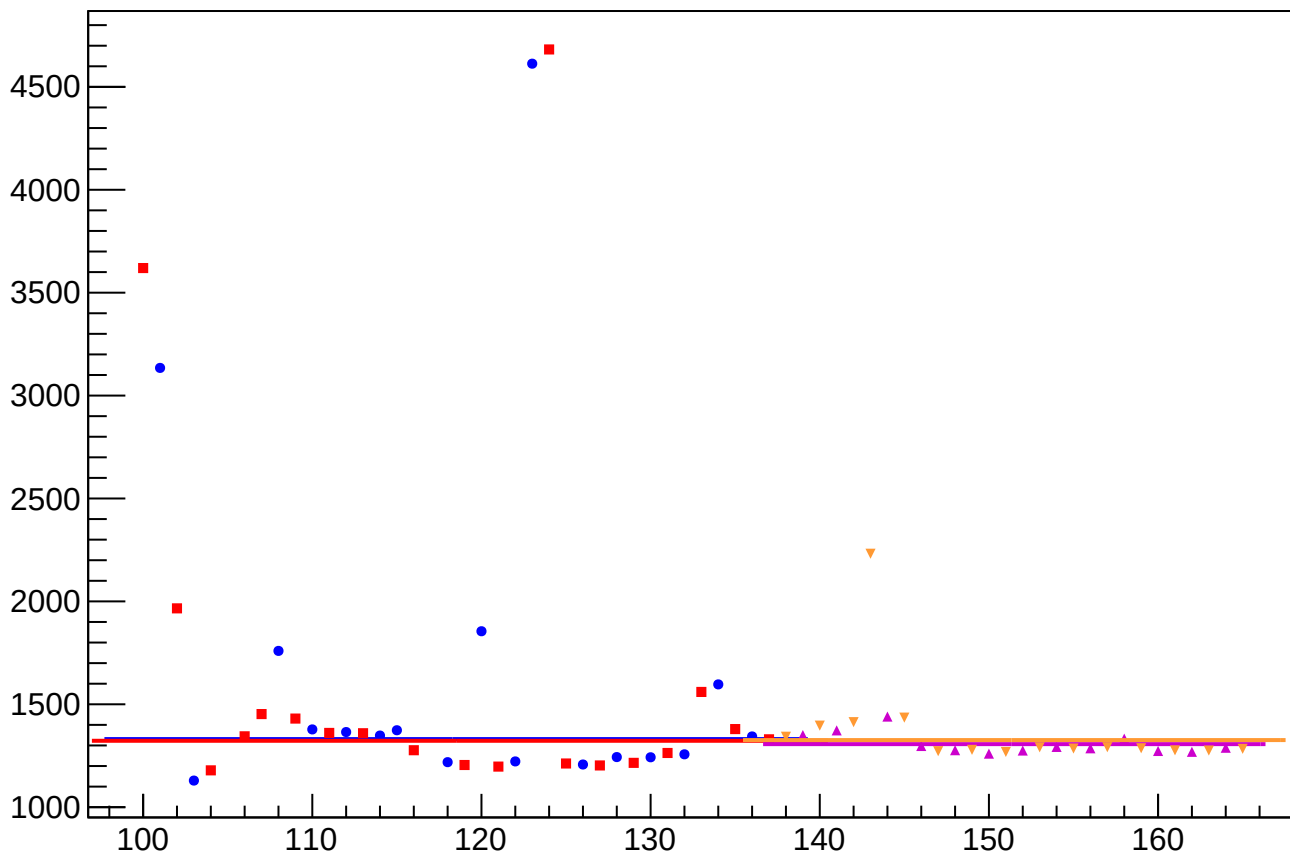
Right: -154.107 $\pm$ 366.889 χ^2 /NDF: 36.8/35

In: 72.679 $\pm$ 321.909 χ^2 /NDF:28.4/29

Out: -454.468 $\pm$ 314.812 χ^2 /NDF:34.0/33

All: -196.769 $\pm$ 225.073 χ^2 /NDF: 63.7/63

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: 1326.090 $\pm$ 0.283 χ^2 /NDF: 254028.0/14

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

Left In: 1306.447 $\pm$ 0.287 χ^2 /NDF: 28520.2/12

Left: 1316.417 $\pm$ 0.202 χ^2 /NDF: 284922.6/27

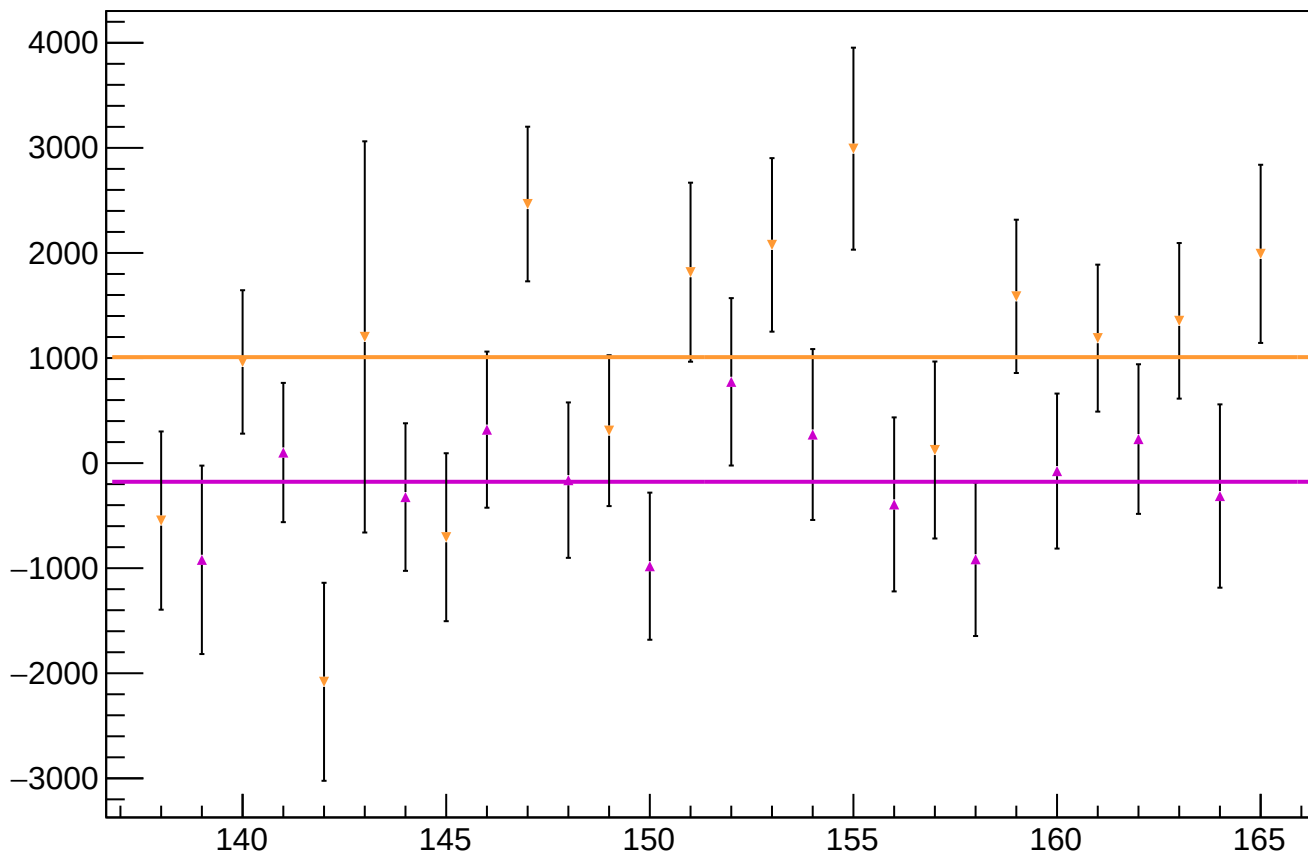
Right: 1326.657 $\pm$ 0.259 χ^2 /NDF: 998136.6/35

In: 1315.533 $\pm$ 0.228 χ^2 /NDF: 634687.5/29

Out: 1324.801 $\pm$ 0.223 χ^2 /NDF: 648496.1/33

All: 1320.271 $\pm$ 0.159 χ^2 /NDF: 1284031.0/63

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 1008.508+/-209.520 χ^2/NDF :33.8/14

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

Left In: -177.732+/-209.557 χ^2/NDF :5.9/12

Left: 415.493+/-148.166 χ^2/NDF : 55.7/27

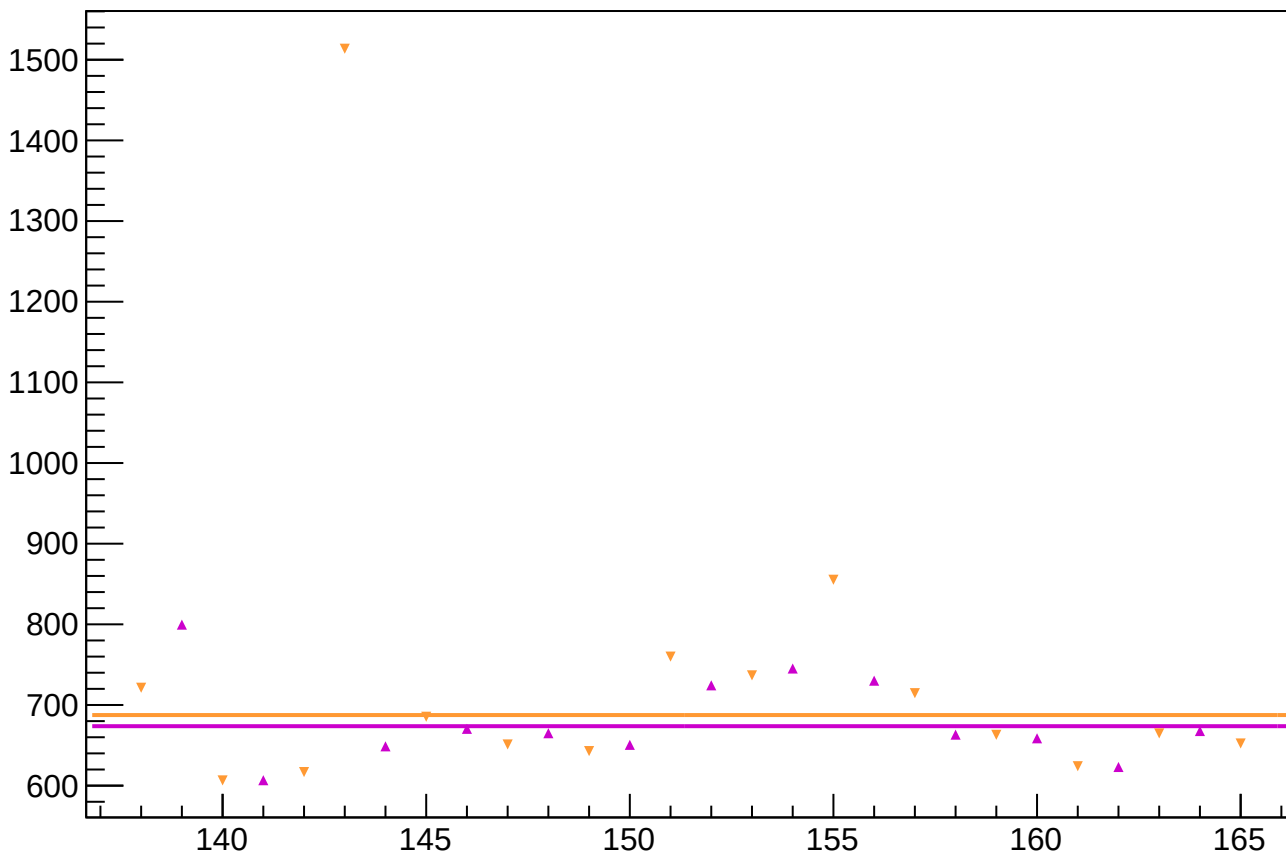
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -177.732+/-209.557 χ^2/NDF :5.9/12

Out: 1008.508+/-209.520 χ^2/NDF :33.8/14

All: 415.493+/-148.166 χ^2/NDF : 55.7/27

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: 687.521+/-0.148 χ^2/NDF :557792.9/14

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

Left In: 673.714+/-0.148 χ^2/NDF :109168.0/12

Left: 680.619+/-0.105 χ^2/NDF : 671302.2/27

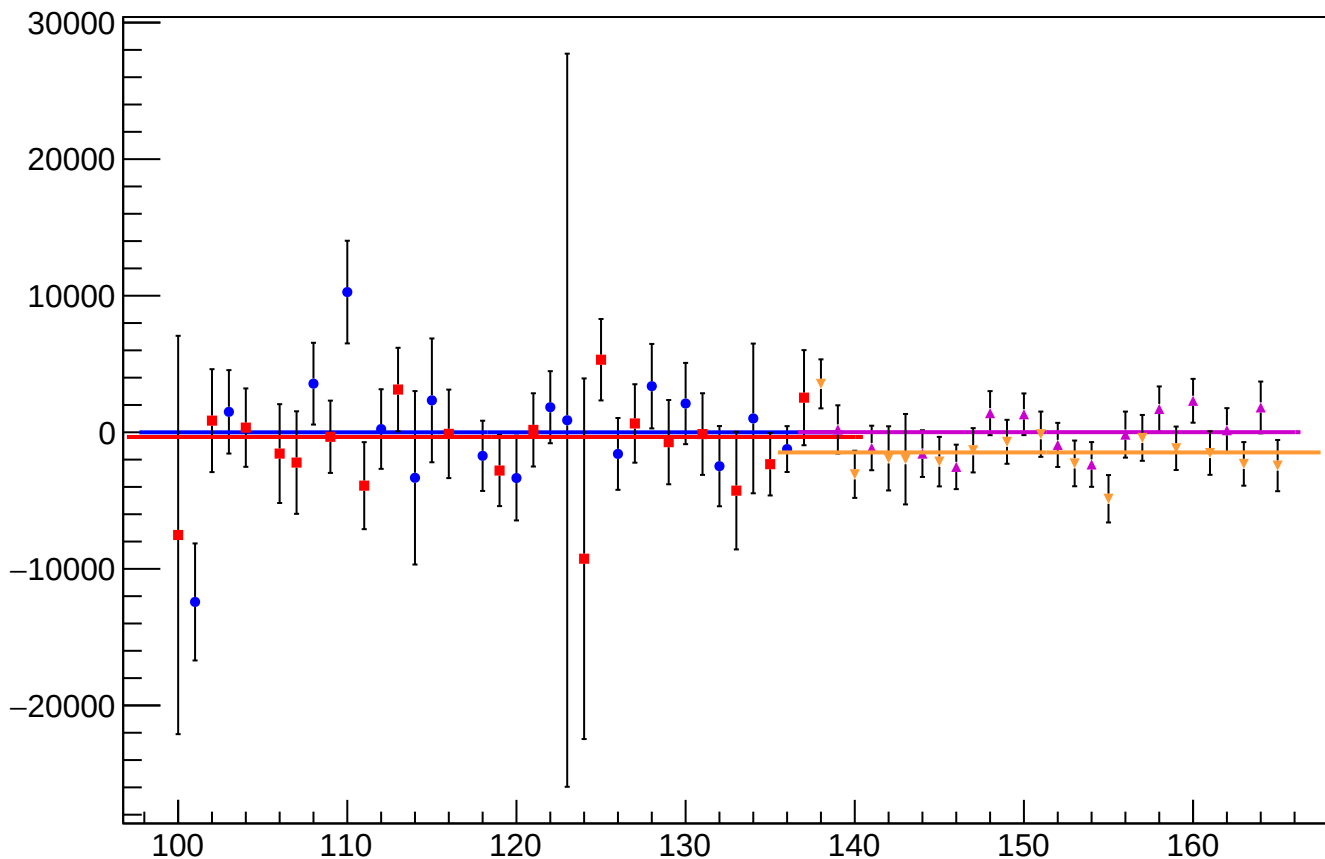
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 673.714+/-0.148 χ^2/NDF :109168.0/12

Out: 687.521+/-0.148 χ^2/NDF :557792.9/14

All: 680.619+/-0.105 χ^2/NDF : 671302.2/27

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: -1474.209 ± 453.605 χ^2/NDF : 14.8/14

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

Left In: 9.386 ± 458.630 χ^2/NDF : 11.7/12

Left: -740.584 ± 322.509 χ^2/NDF : 31.8/27

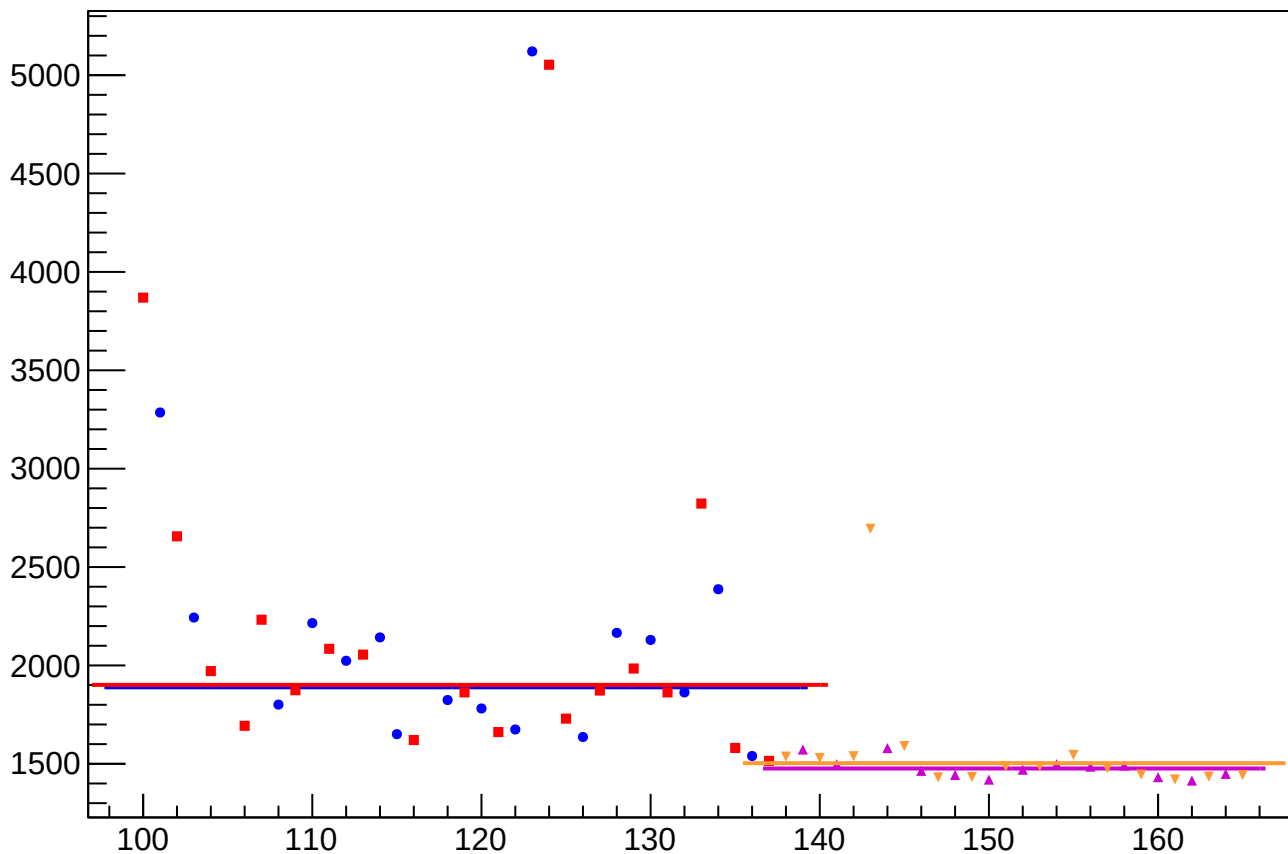
Right: -176.305 ± 522.783 χ^2/NDF : 34.3/35

In: 6.201 ± 390.565 χ^2/NDF : 35.2/29

Out: -1162.005 ± 385.827 χ^2/NDF : 27.2/33

All: -585.032 ± 274.481 χ^2/NDF : 67.0/63

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: 1503.218+/-0.321 χ^2/NDF : 288722.1/14

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

Left In: 1476.177+/-0.324 χ^2/NDF : 22741.0/12

Left: 1489.846+/-0.228 χ^2/NDF : 314977.7/27

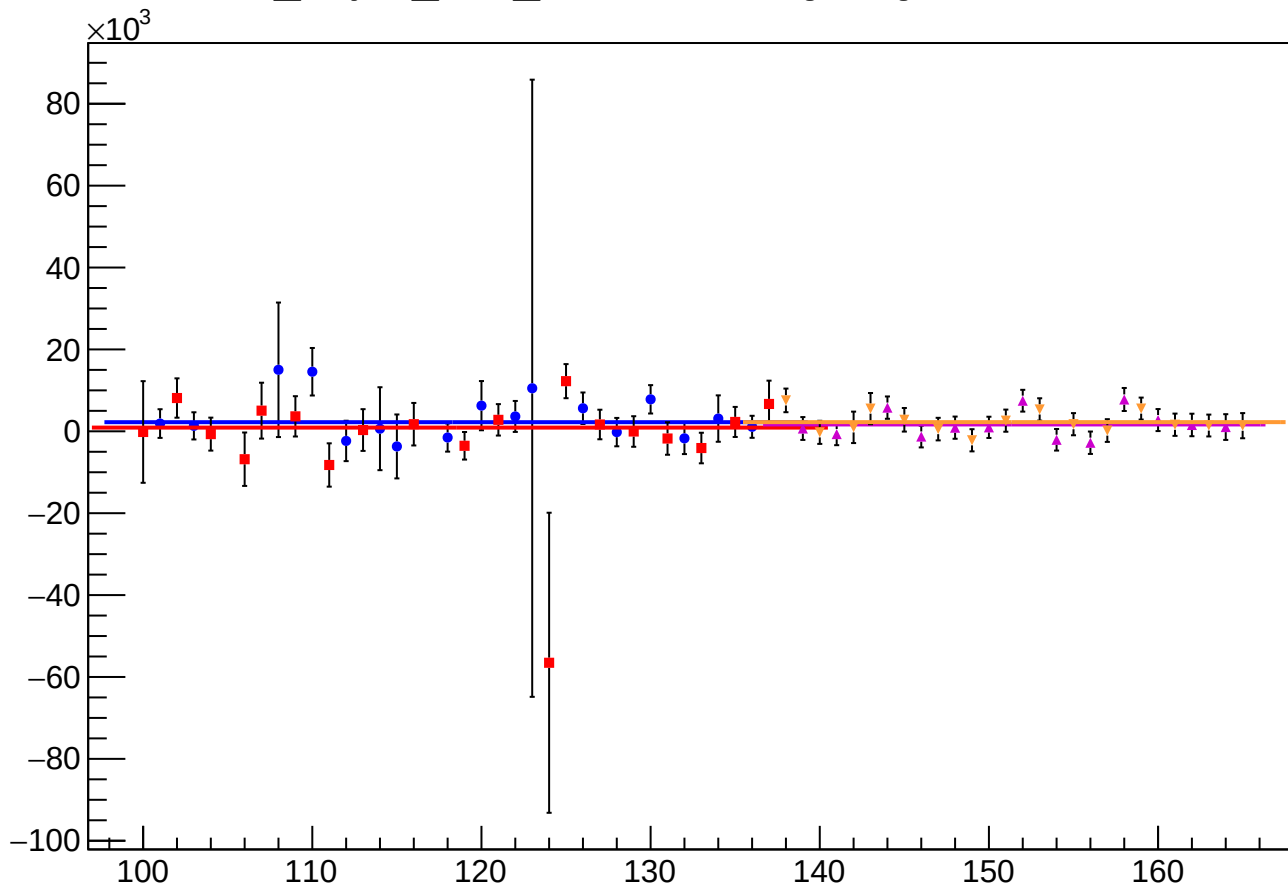
Right: 1895.125+/-0.370 χ^2/NDF : 927550.0/35

In: 1589.566+/-0.276 χ^2/NDF : 933462.7/29

Out: 1613.282+/-0.273 χ^2/NDF : 1175976.0/33

All: 1601.569+/-0.194 χ^2/NDF : 2113170.8/63

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2227.517+/-1039.288 χ^2/NDF : 13.6/16

Left Out: 2242.821+/-739.302 χ^2/NDF : 11.8/14

Right Out: 907.837+/-1046.878 χ^2/NDF : 22.9/18

Left In: 1674.160+/-757.483 χ^2/NDF : 18.9/12

Left: 1965.397+/-529.076 χ^2/NDF : 31.0/27

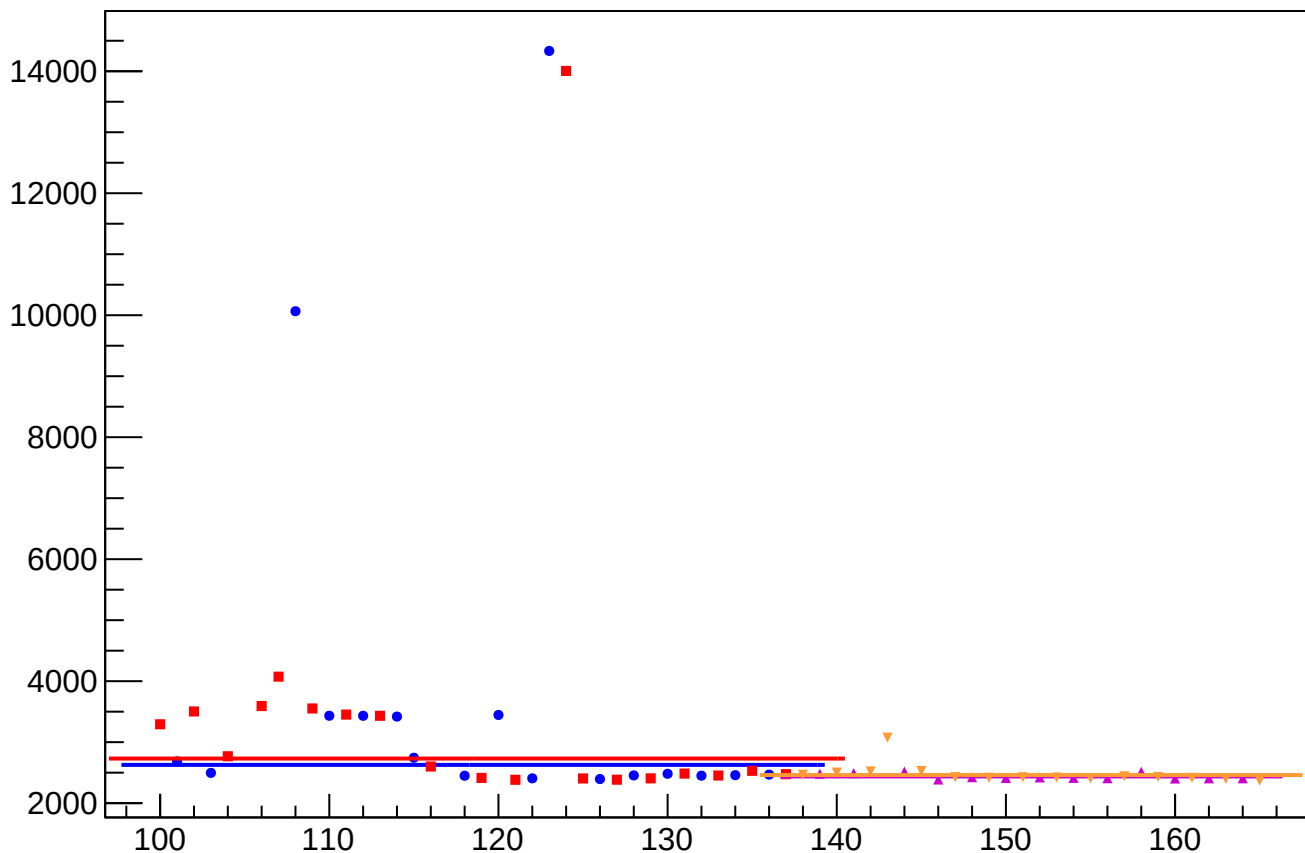
Right: 1572.479+/-737.556 χ^2/NDF : 37.3/35

In: 1866.134+/-612.145 χ^2/NDF : 32.6/29

Out: 1798.590+/-603.897 χ^2/NDF : 35.8/33

All: 1831.904+/-429.906 χ^2/NDF : 68.4/63

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2627.570 ± 0.735 $\chi^2/\text{NDF}: 644396.7/16$

Left Out: 2460.780 ± 0.523 $\chi^2/\text{NDF}: 59838.3/14$

Right Out: 2731.271 ± 0.740 $\chi^2/\text{NDF}: 598207.5/18$

Left In: 2437.908 ± 0.536 $\chi^2/\text{NDF}: 6675.3/12$

Left: 2449.622 ± 0.374 $\chi^2/\text{NDF}: 67447.5/27$

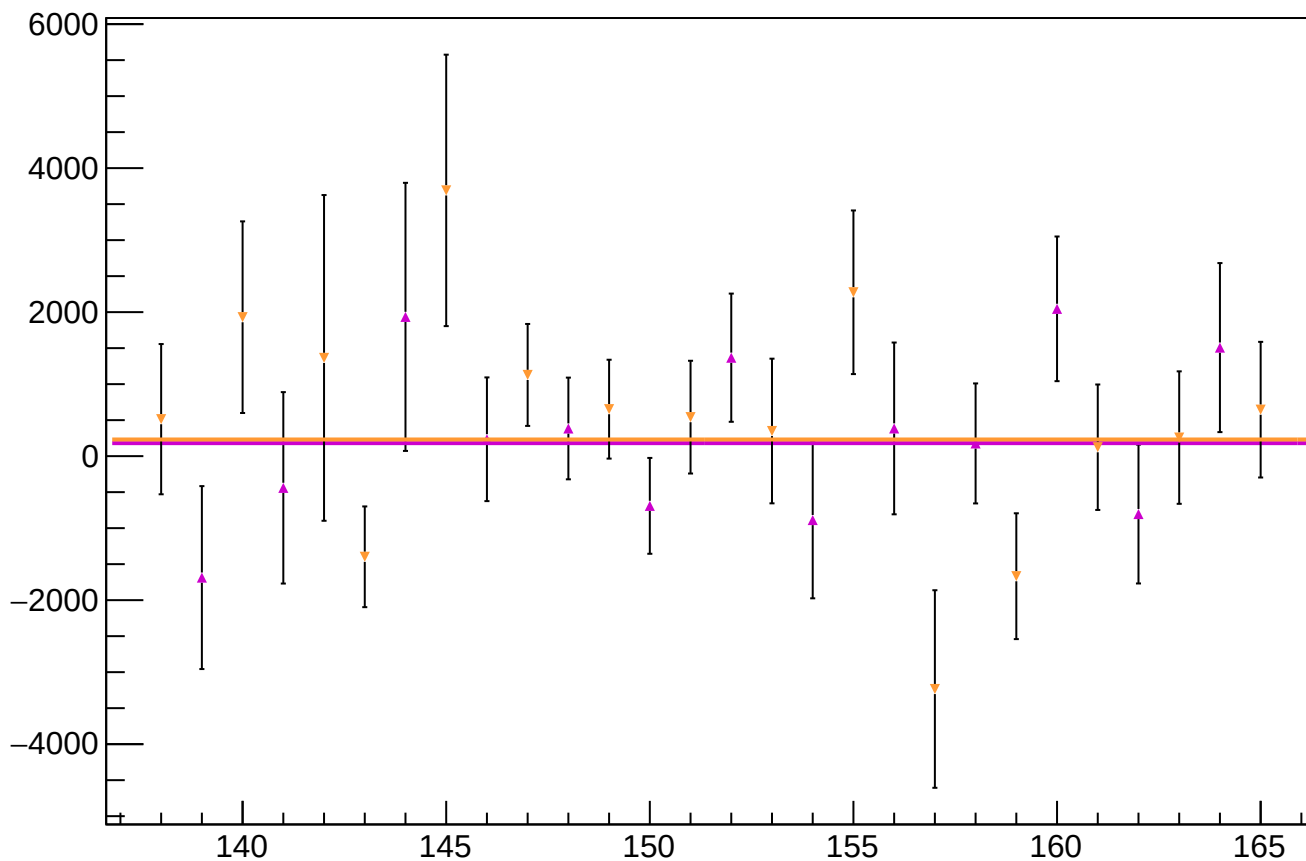
Right: 2679.043 ± 0.522 $\chi^2/\text{NDF}: 1252488.0/35$

In: 2503.707 ± 0.433 $\chi^2/\text{NDF}: 694571.2/29$

Out: 2550.789 ± 0.427 $\chi^2/\text{NDF}: 747134.5/33$

All: 2527.567 ± 0.304 $\chi^2/\text{NDF}: 1447701.7/63$

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 231.359+/-242.640 χ^2/NDF : 27.4/14

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

Left In: 180.524+/-265.999 χ^2/NDF : 13.6/12

Left: 208.271+/-179.263 χ^2/NDF : 41.1/27

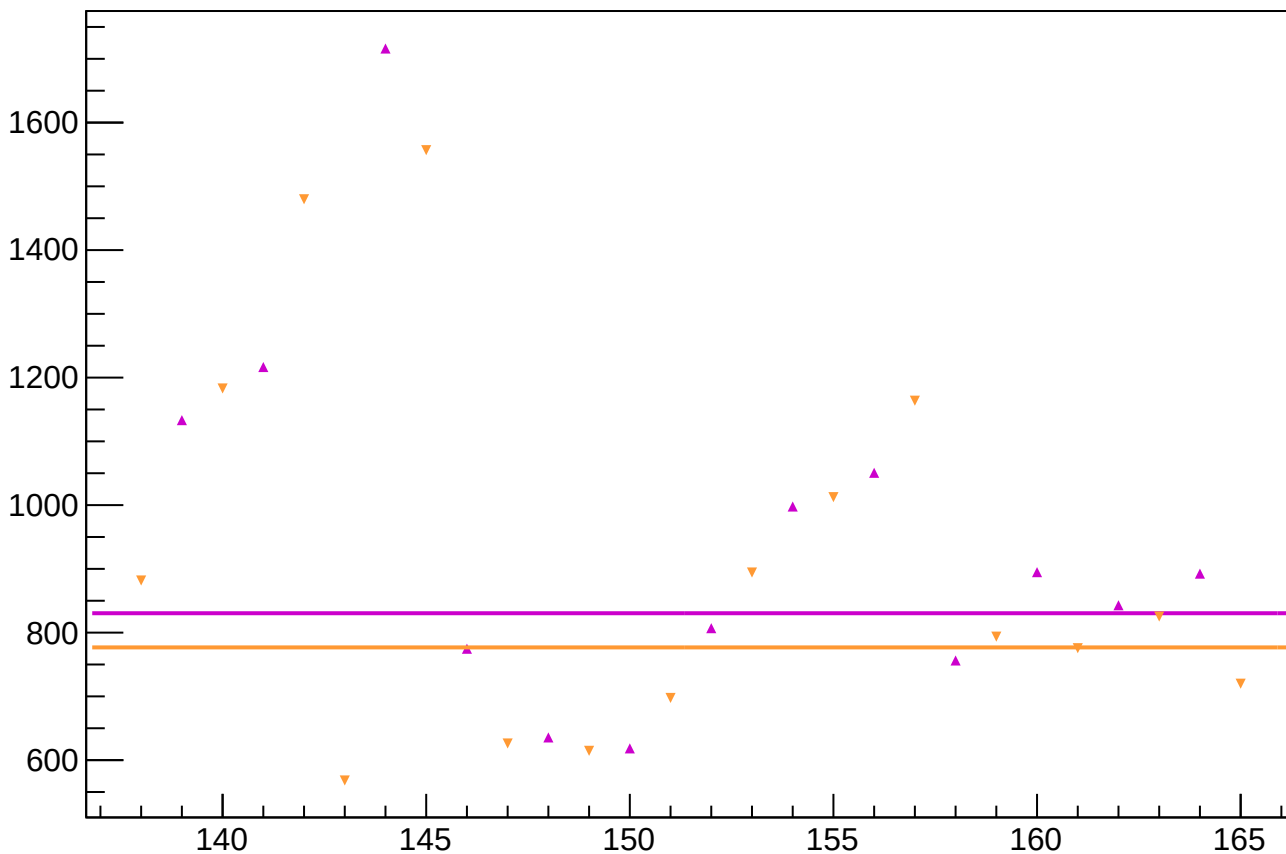
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 180.524+/-265.999 χ^2/NDF : 13.6/12

Out: 231.359+/-242.640 χ^2/NDF : 27.4/14

All: 208.271+/-179.263 χ^2/NDF : 41.1/27

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 776.811+/-0.172 χ^2/NDF :1429032.5/14

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

Left In: 830.414+/-0.188 χ^2/NDF :1245607.4/12

Left: 801.156+/-0.127 χ^2/NDF : 2718969.8/27

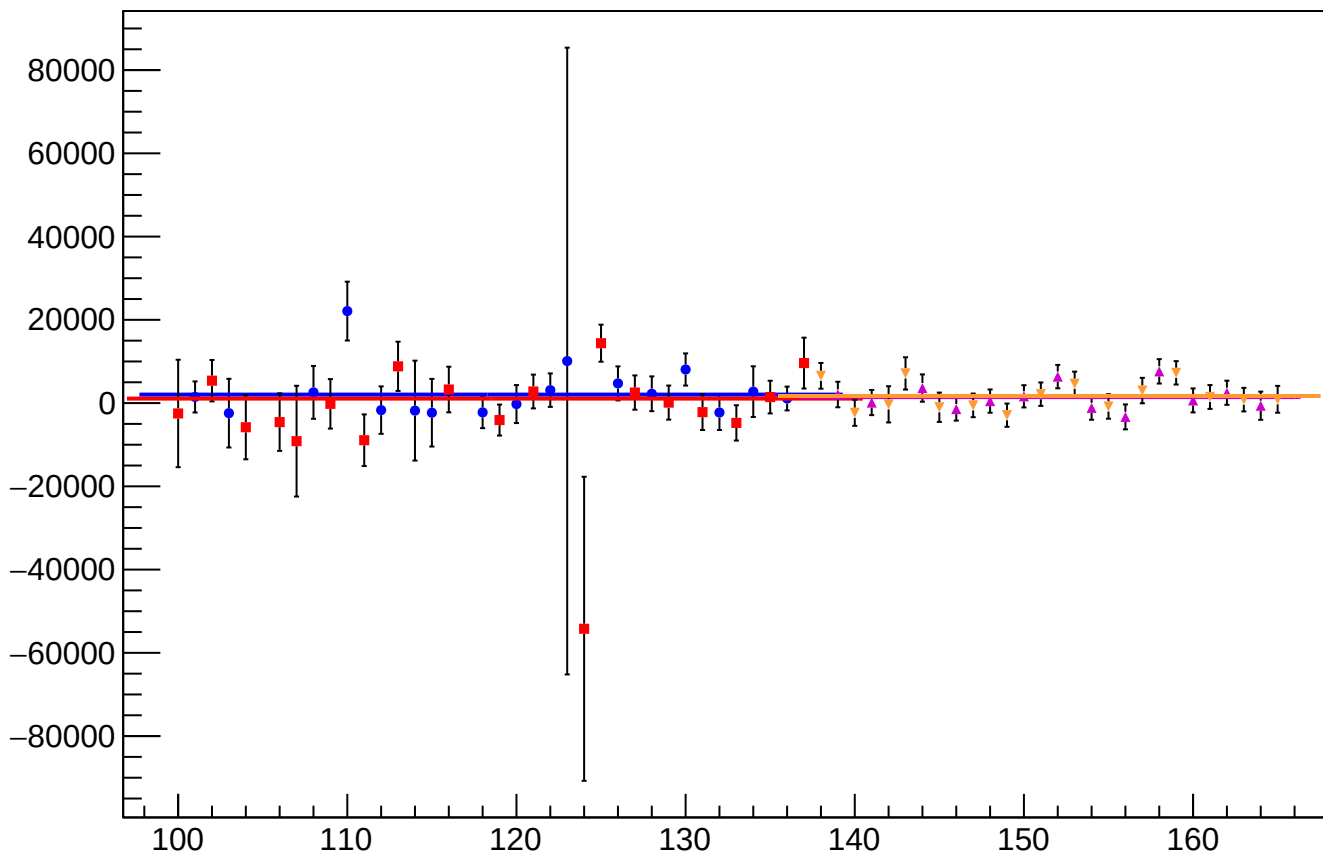
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 830.414+/-0.188 χ^2/NDF :1245607.4/12

Out: 776.811+/-0.172 χ^2/NDF :1429032.5/14

All: 801.156+/-0.127 χ^2/NDF : 2718969.8/27

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2037.803+/-1151.419 χ^2/NDF : 14.8/16

Left Out: 1706.248+/-791.720 χ^2/NDF :16.3/14

Right Out: 1080.125+/-1186.666 χ^2/NDF : 25.3/18

Left In: 1438.813+/-813.758 χ^2/NDF :13.3/12

Left: 1576.201+/-567.462 χ^2/NDF : 29.6/27

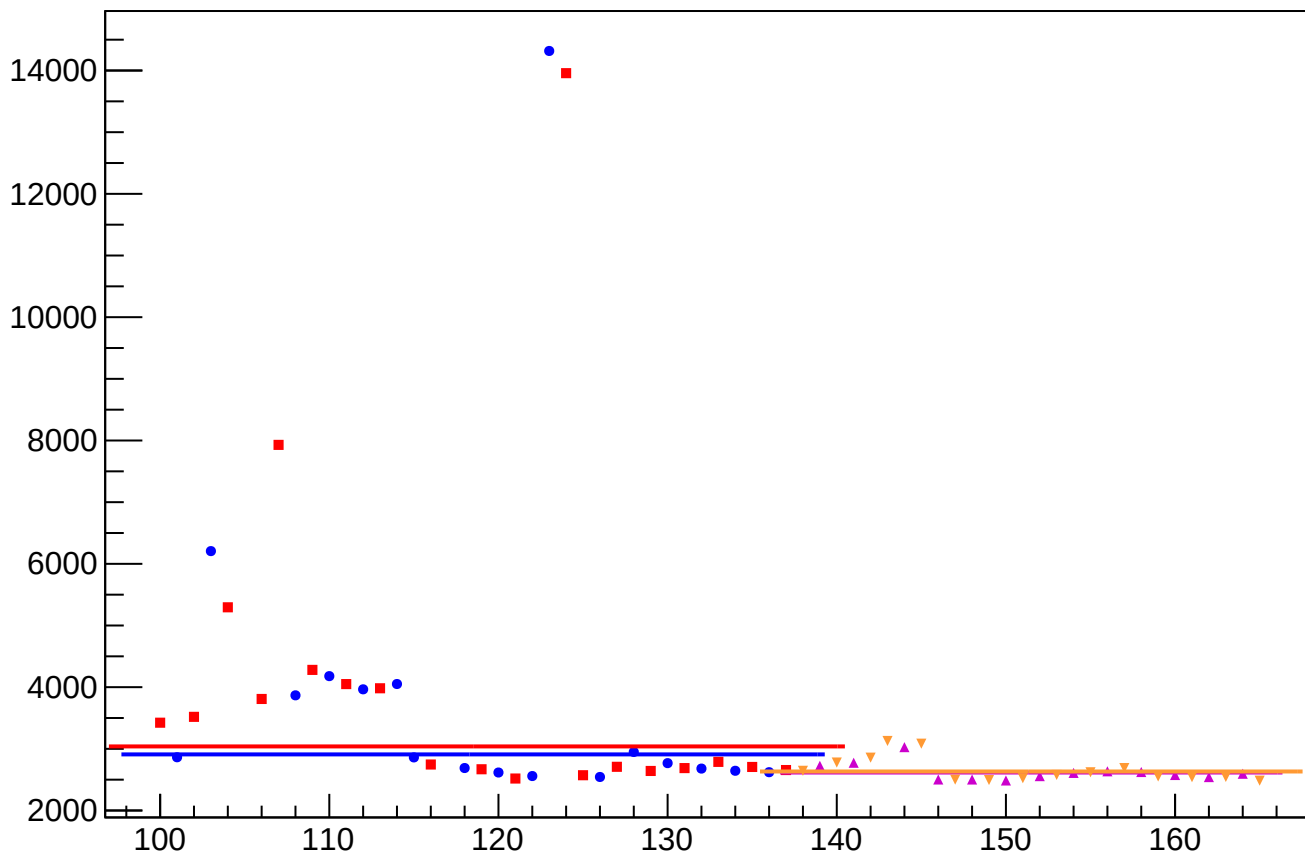
Right: 1573.398+/-826.356 χ^2/NDF : 40.5/35

In: 1638.340+/-664.544 χ^2/NDF :28.3/29

Out: 1513.389+/-658.594 χ^2/NDF :41.8/33

All: 1575.303+/-467.786 χ^2/NDF : 70.1/63

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2909.732 $\pm$ 0.814 χ^2 /NDF: 641894.7/16

Left Out: 2632.627 $\pm$ 0.560 χ^2 /NDF: 98597.2/14

Right Out: 3039.118 $\pm$ 0.839 χ^2 /NDF: 1011306.5/18

Left In: 2615.739 $\pm$ 0.575 χ^2 /NDF: 53530.5/12

Left: 2624.415 $\pm$ 0.401 χ^2 /NDF: 152570.2/27

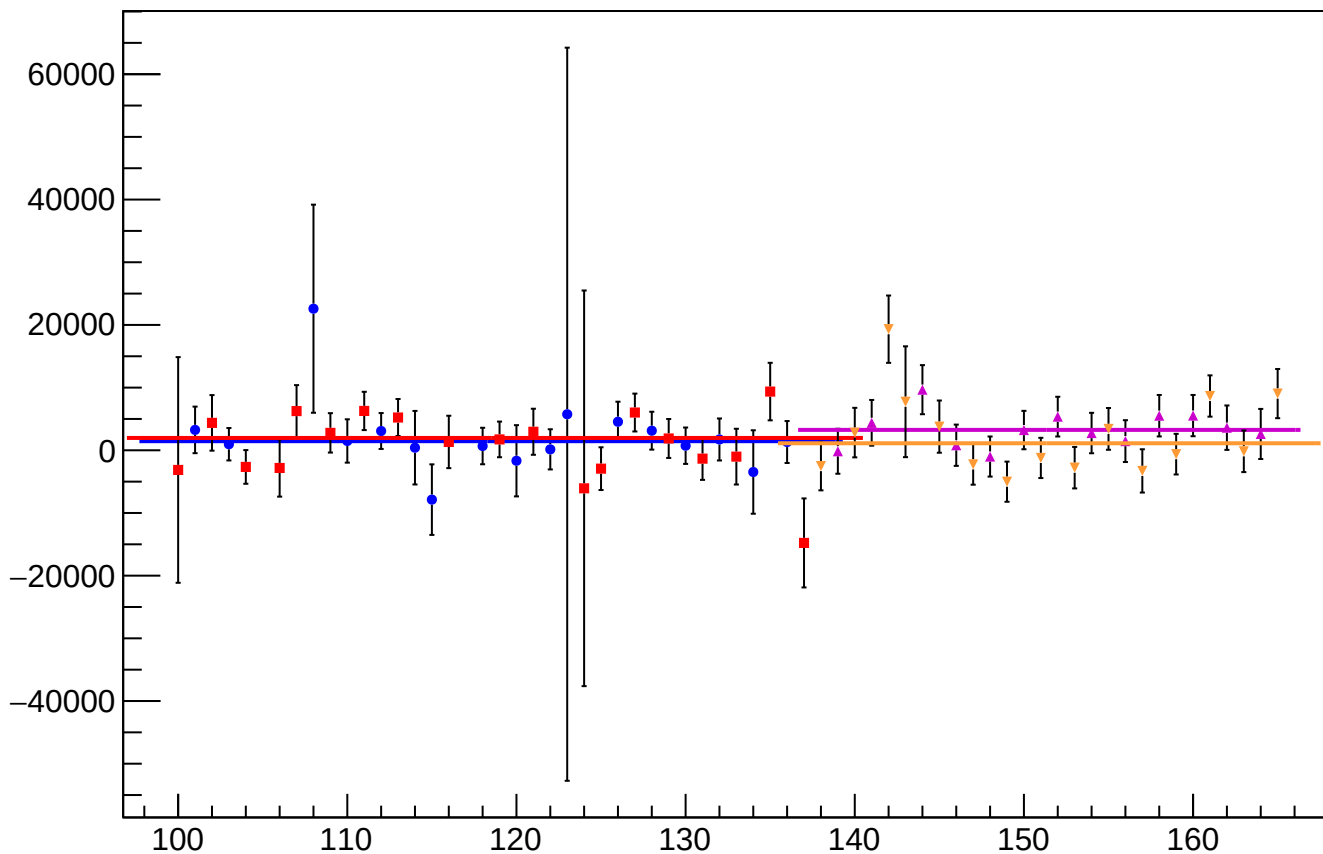
Right: 2972.475 $\pm$ 0.584 χ^2 /NDF: 1665447.8/35

In: 2713.670 $\pm$ 0.470 χ^2 /NDF: 782380.5/29

Out: 2757.834 $\pm$ 0.466 χ^2 /NDF: 1272296.9/33

All: 2735.951 $\pm$ 0.331 χ^2 /NDF: 2059133.9/63

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1451.980+/-889.008 χ^2/NDF : 7.4/16

Left Out: 1120.463+/-939.083 χ^2/NDF :32.1/14

Right Out: 1969.182+/-850.490 χ^2/NDF : 22.4/18

Left In: 3255.003+/-942.303 χ^2/NDF :7.7/12

Left: 2184.080+/-665.167 χ^2/NDF : 42.4/27

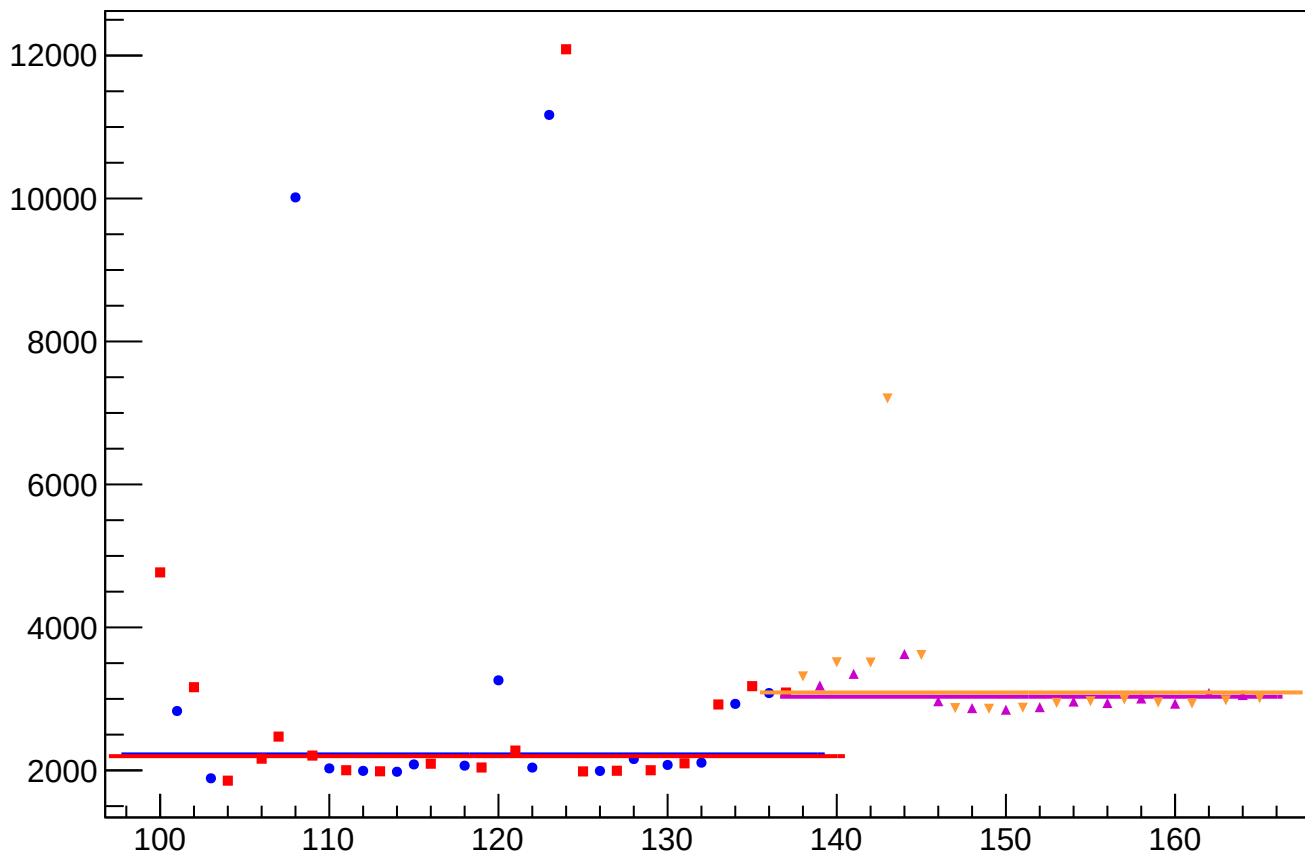
Right: 1722.028+/-614.553 χ^2/NDF : 30.0/35

In: 2301.064+/-646.644 χ^2/NDF :17.1/29

Out: 1586.735+/-630.387 χ^2/NDF :54.9/33

All: 1934.808+/-451.389 χ^2/NDF : 72.6/63

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2223.132 $\pm$ 0.629 χ^2 /NDF: 850289.4/16

Left Out: 3090.012 $\pm$ 0.664 χ^2 /NDF: 553764.8/14

Right Out: 2198.760 $\pm$ 0.601 χ^2 /NDF: 602418.1/18

Left In: 3030.310 $\pm$ 0.666 χ^2 /NDF: 87270.1/12

Left: 3060.263 $\pm$ 0.470 χ^2 /NDF: 645062.7/27

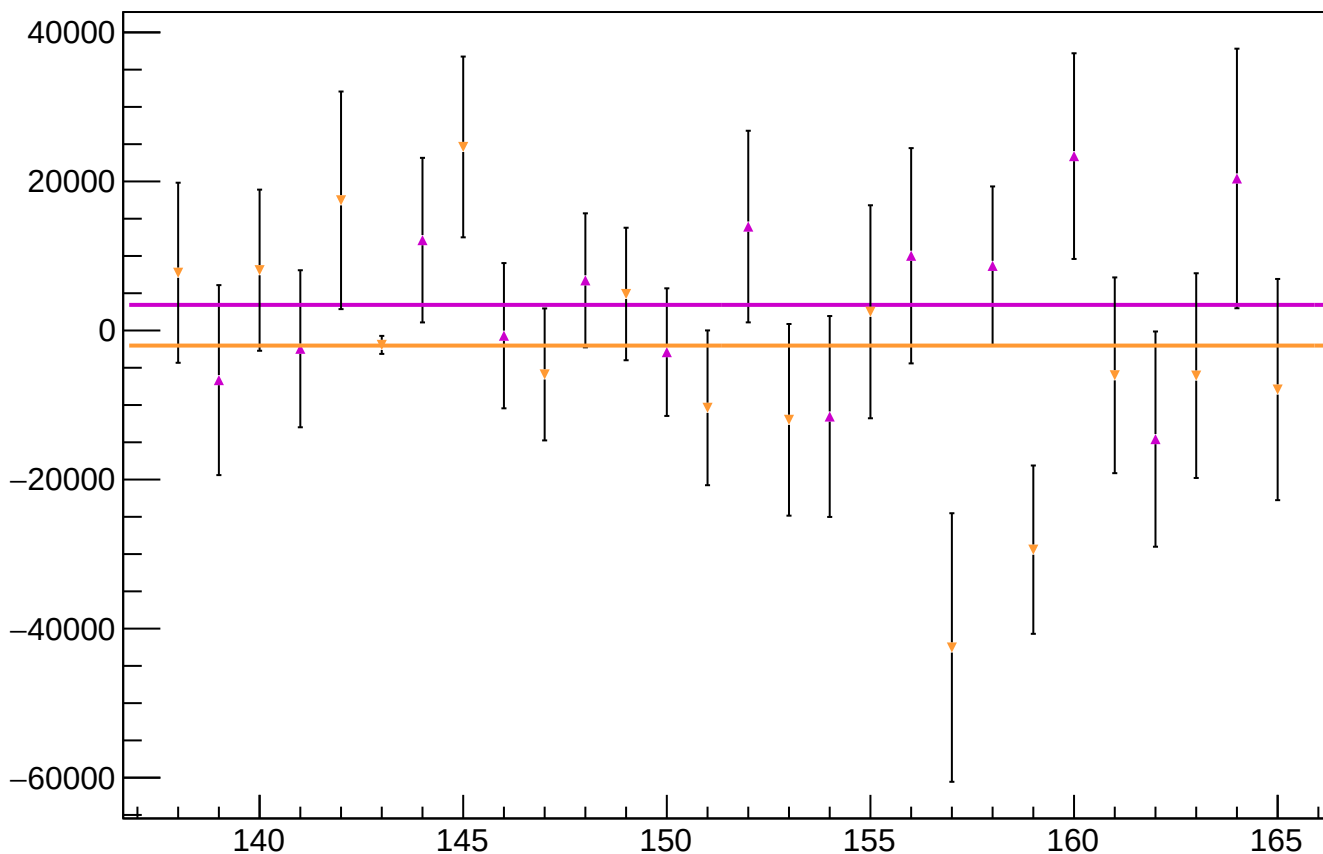
Right: 2210.398 $\pm$ 0.434 χ^2 /NDF: 1453492.9/35

In: 2603.250 $\pm$ 0.457 χ^2 /NDF: 1713998.5/29

Out: 2600.052 $\pm$ 0.446 χ^2 /NDF: 2146518.0/33

All: 2601.610 $\pm$ 0.319 χ^2 /NDF: 3860541.6/63

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2022.813+/-1129.670 χ^2/NDF :21.6/14

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

Left In: 3437.118+/-3187.734 χ^2/NDF :9.4/12

Left: -1413.630+/-1064.786 χ^2/NDF : 33.5/27

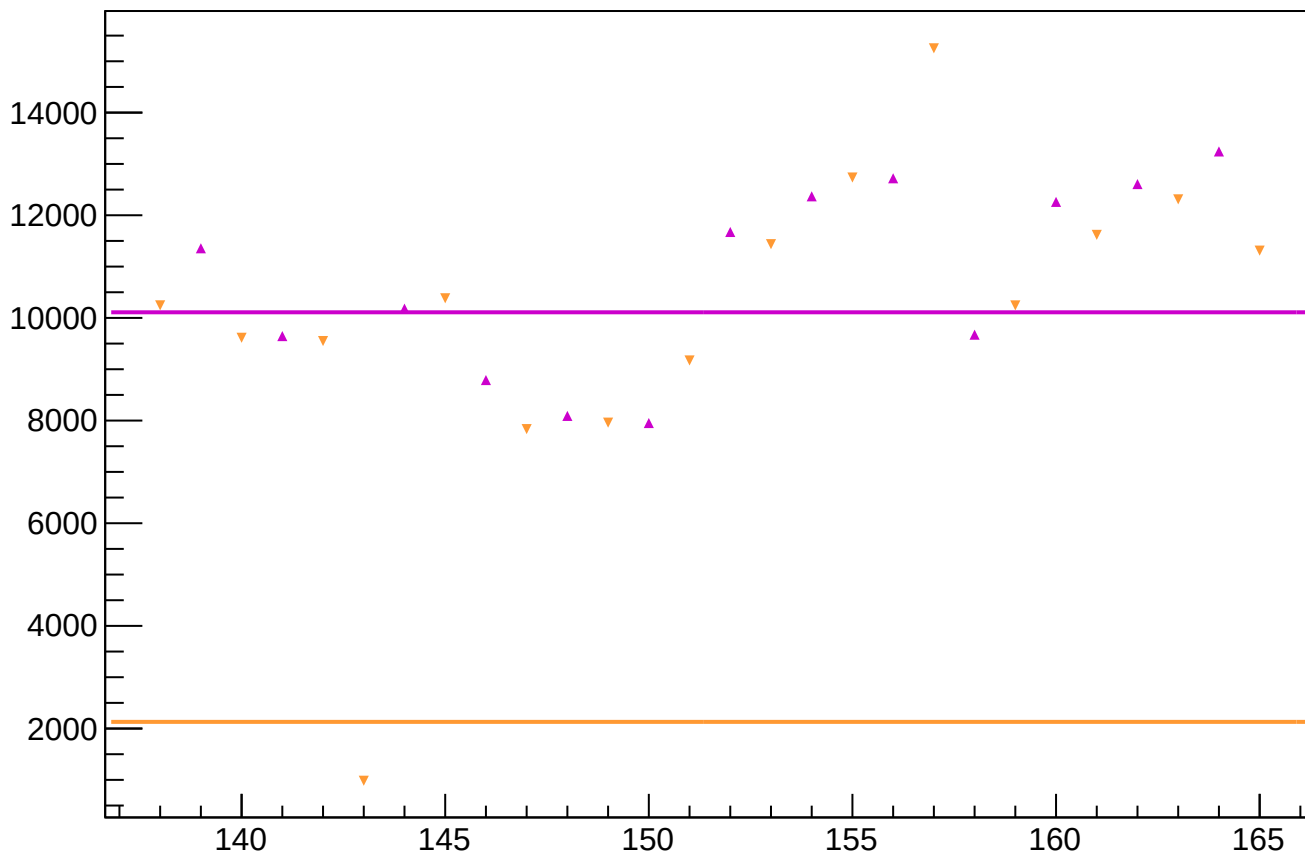
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3437.118+/-3187.734 χ^2/NDF :9.4/12

Out: -2022.813+/-1129.670 χ^2/NDF :21.6/14

All: -1413.630+/-1064.786 χ^2/NDF : 33.5/27

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2130.021+/-0.799 χ^2/NDF :14864824.6/14

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

Left In: 10109.422+/-2.254 χ^2/NDF :615386.2/12

Left: 3020.310+/-0.753 χ^2/NDF : 26613610.9/27

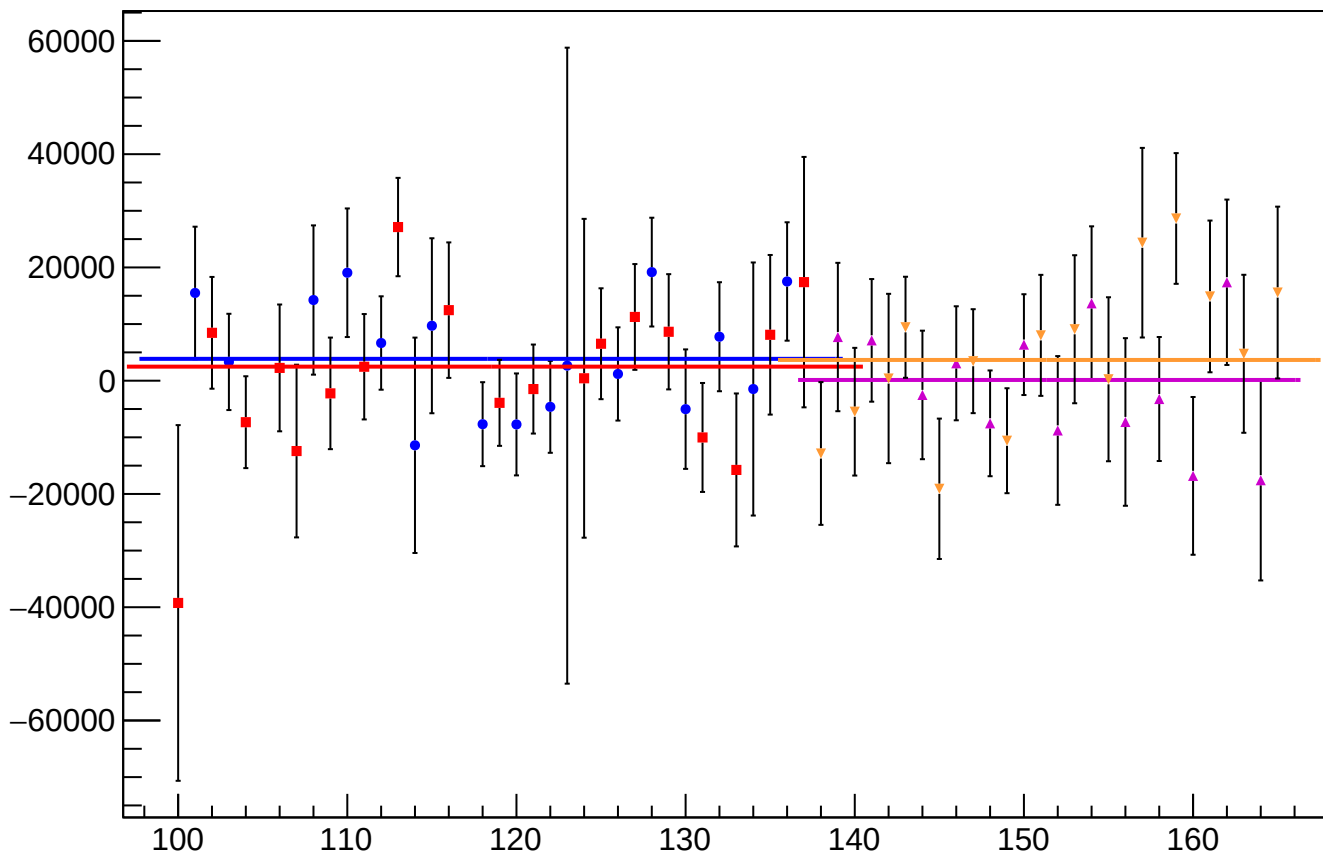
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 10109.422+/-2.254 χ^2/NDF :615386.2/12

Out: 2130.021+/-0.799 χ^2/NDF :14864824.6/14

All: 3020.310+/-0.753 χ^2/NDF : 26613610.9/27

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3859.866 $\pm$ 2508.782 χ^2 /NDF: 14.8/16

Left Out: 3663.234 $\pm$ 3060.760 χ^2 /NDF:16.5/14

Right Out: 2482.925 $\pm$ 2421.310 χ^2 /NDF: 20.0/18

Left In: 129.574 $\pm$ 3274.978 χ^2 /NDF:7.7/12

Left: 2015.745 $\pm$ 2236.183 χ^2 /NDF: 24.9/27

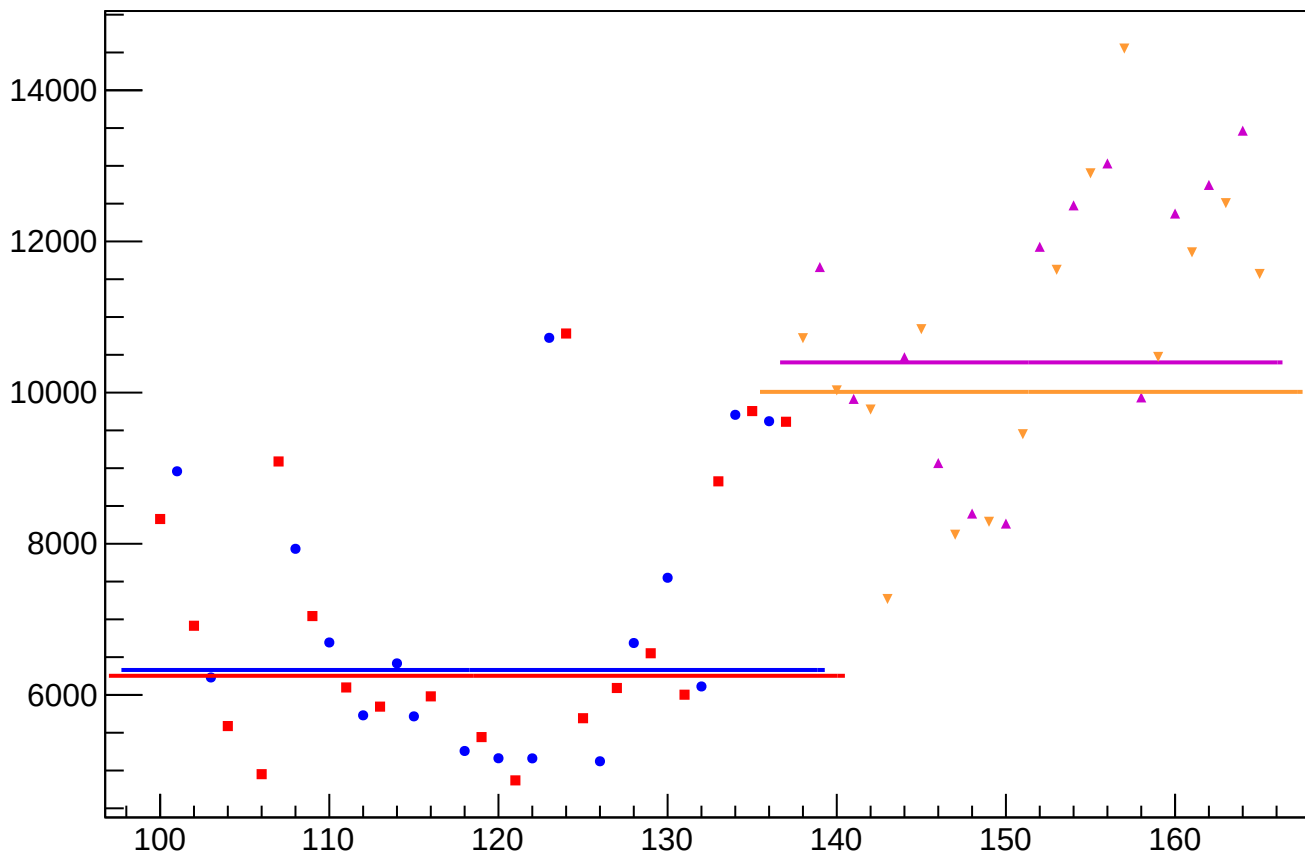
Right: 3146.972 $\pm$ 1742.228 χ^2 /NDF: 35.0/35

In: 2480.363 $\pm$ 1991.583 χ^2 /NDF:23.3/29

Out: 2937.251 $\pm$ 1898.959 χ^2 /NDF:36.6/33

All: 2719.678 $\pm$ 1374.345 χ^2 /NDF: 60.0/63

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6330.291+/-1.774 χ^2/NDF : 593395.6/16

Left Out: 10009.731+/-2.164 χ^2/NDF : 747512.5/14

Right Out: 6253.330+/-1.712 χ^2/NDF : 535355.5/18

Left In: 10399.600+/-2.316 χ^2/NDF : 556528.4/12

Left: 10191.499+/-1.581 χ^2/NDF : 1319169.8/27

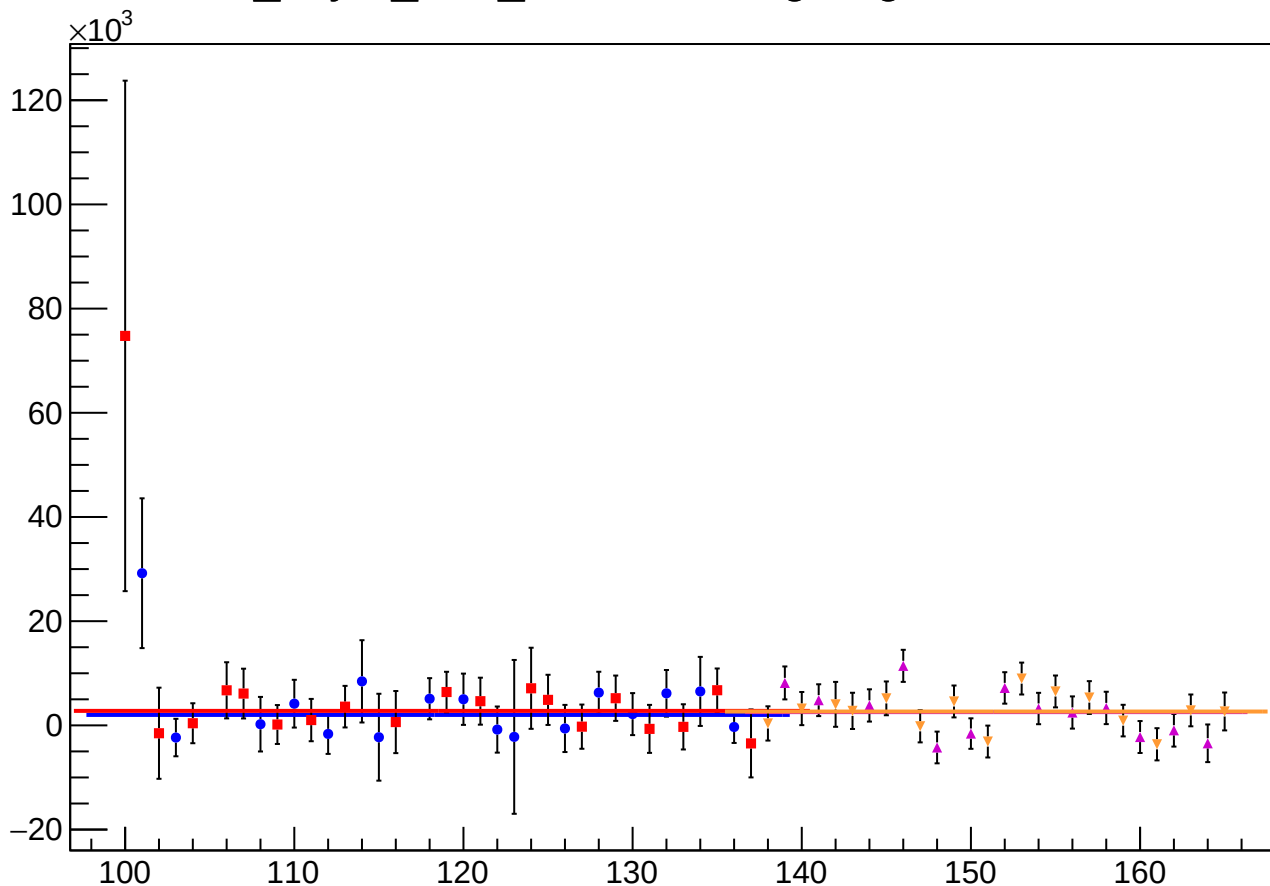
Right: 6290.444+/-1.232 χ^2/NDF : 1129725.5/35

In: 7835.158+/-1.408 χ^2/NDF : 3095851.6/29

Out: 7699.169+/-1.343 χ^2/NDF : 3135807.0/33

All: 7763.926+/-0.972 χ^2/NDF : 6236542.9/63

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2005.383 $\pm$ 1134.240 χ^2 /NDF: 12.1/16

Left Out: 2656.668 $\pm$ 829.960 χ^2 /NDF: 17.1/14

Right Out: 2781.006 $\pm$ 1086.164 χ^2 /NDF: 9.9/18

Left In: 2544.957 $\pm$ 859.058 χ^2 /NDF: 28.1/12

Left: 2602.737 $\pm$ 596.892 χ^2 /NDF: 45.1/27

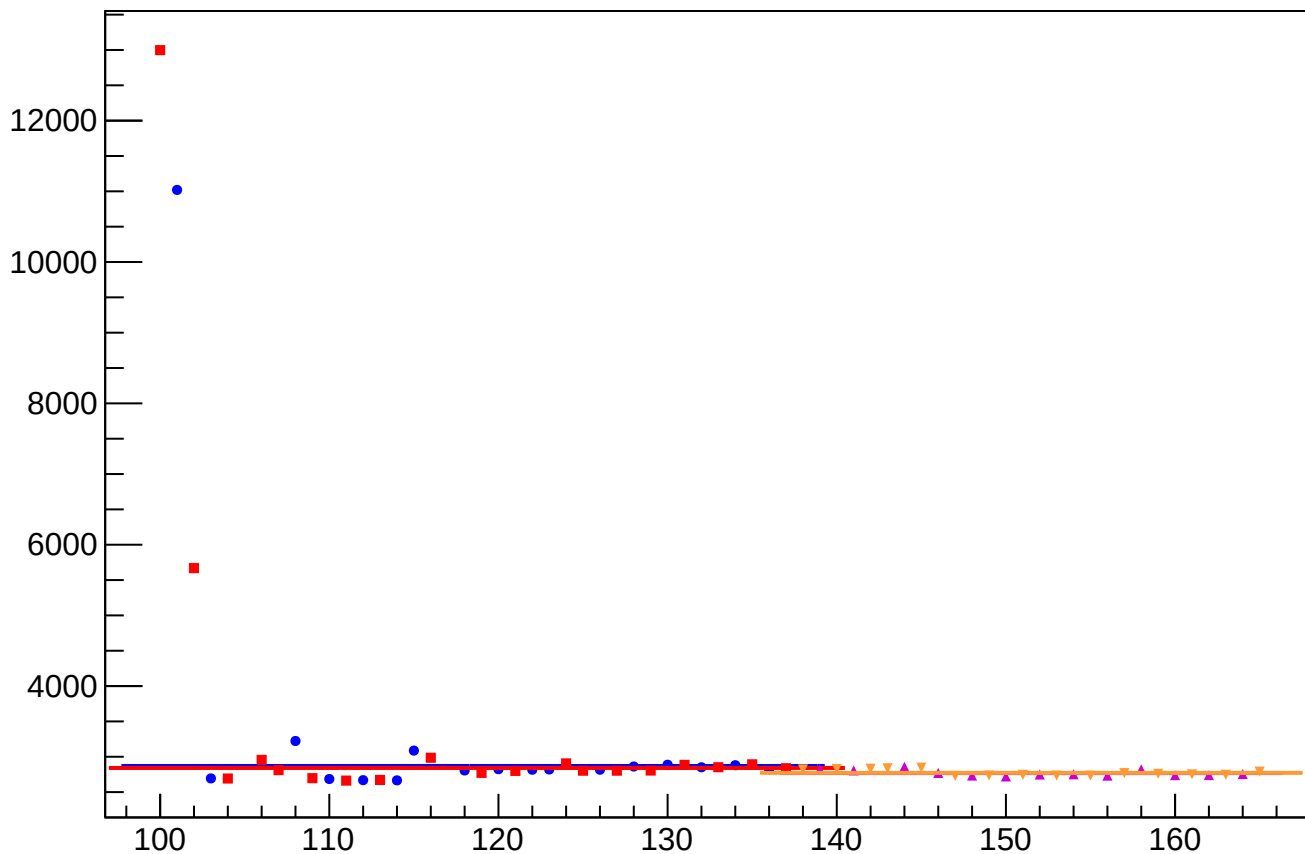
Right: 2409.980 $\pm$ 784.479 χ^2 /NDF: 22.2/35

In: 2348.267 $\pm$ 684.811 χ^2 /NDF: 40.2/29

Out: 2702.504 $\pm$ 659.471 χ^2 /NDF: 27.0/33

All: 2532.060 $\pm$ 475.022 χ^2 /NDF: 67.4/63

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2869.197 $\pm$ 0.802 χ^2 /NDF: 669900.5/16

Left Out: 2771.971 $\pm$ 0.587 χ^2 /NDF: 4952.0/14

Right Out: 2841.561 $\pm$ 0.768 χ^2 /NDF: 312523.0/18

Left In: 2769.289 $\pm$ 0.607 χ^2 /NDF: 4679.1/12

Left: 2770.676 $\pm$ 0.422 χ^2 /NDF: 9641.2/27

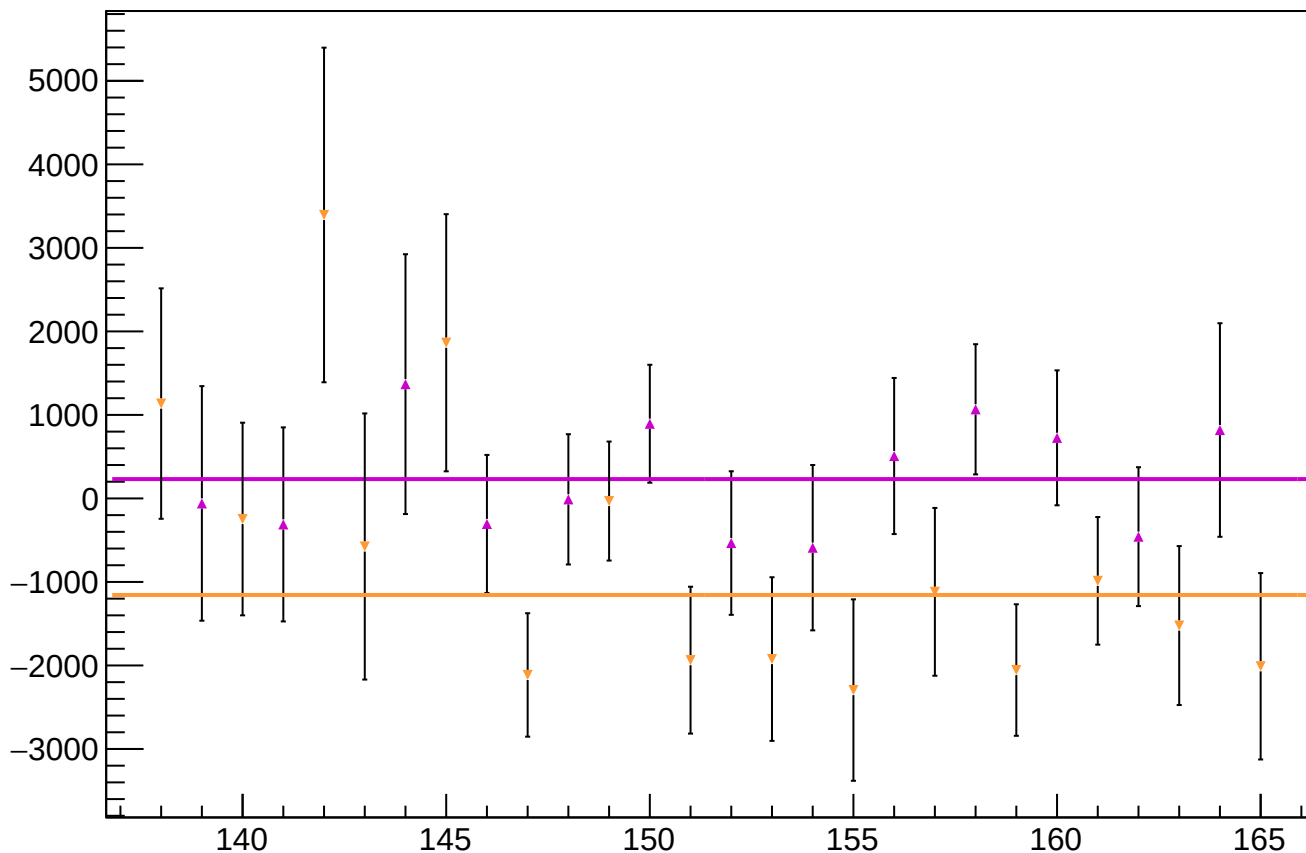
Right: 2854.781 $\pm$ 0.555 χ^2 /NDF: 983042.8/35

In: 2805.708 $\pm$ 0.484 χ^2 /NDF: 684440.4/29

Out: 2797.625 $\pm$ 0.466 χ^2 /NDF: 322658.3/33

All: 2801.514 $\pm$ 0.336 χ^2 /NDF: 1007243.4/63

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -1156.043+/-253.596 χ^2/NDF :21.3/14

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

Left In: 231.648+/-253.764 χ^2/NDF :6.2/12

Left: -462.656+/-179.379 χ^2/NDF : 42.4/27

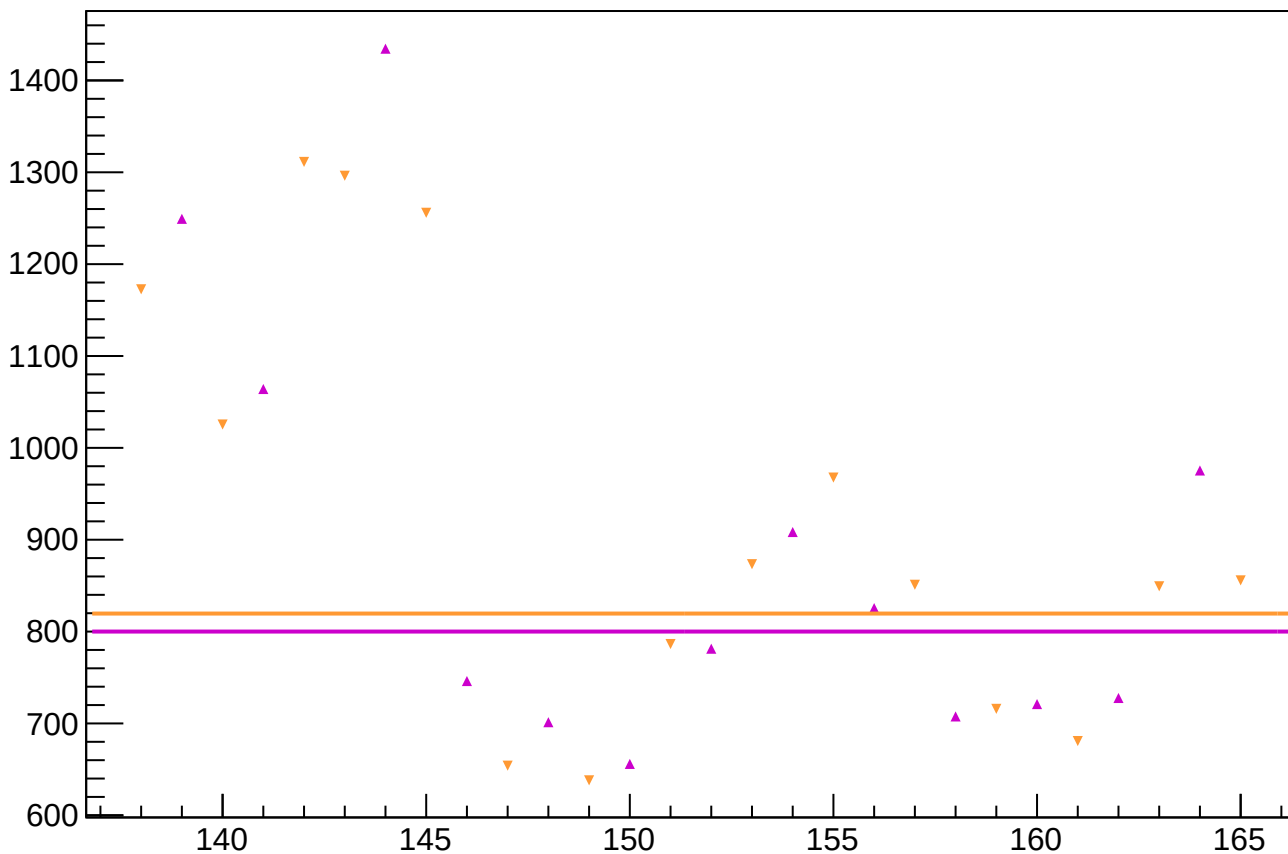
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 231.648+/-253.764 χ^2/NDF :6.2/12

Out: -1156.043+/-253.596 χ^2/NDF :21.3/14

All: -462.656+/-179.379 χ^2/NDF : 42.4/27

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 819.618+/-0.179 χ^2/NDF :1037647.9/14

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

Left In: 800.019+/-0.179 χ^2/NDF :890966.8/12

Left: 809.825+/-0.127 χ^2/NDF : 1934584.0/27

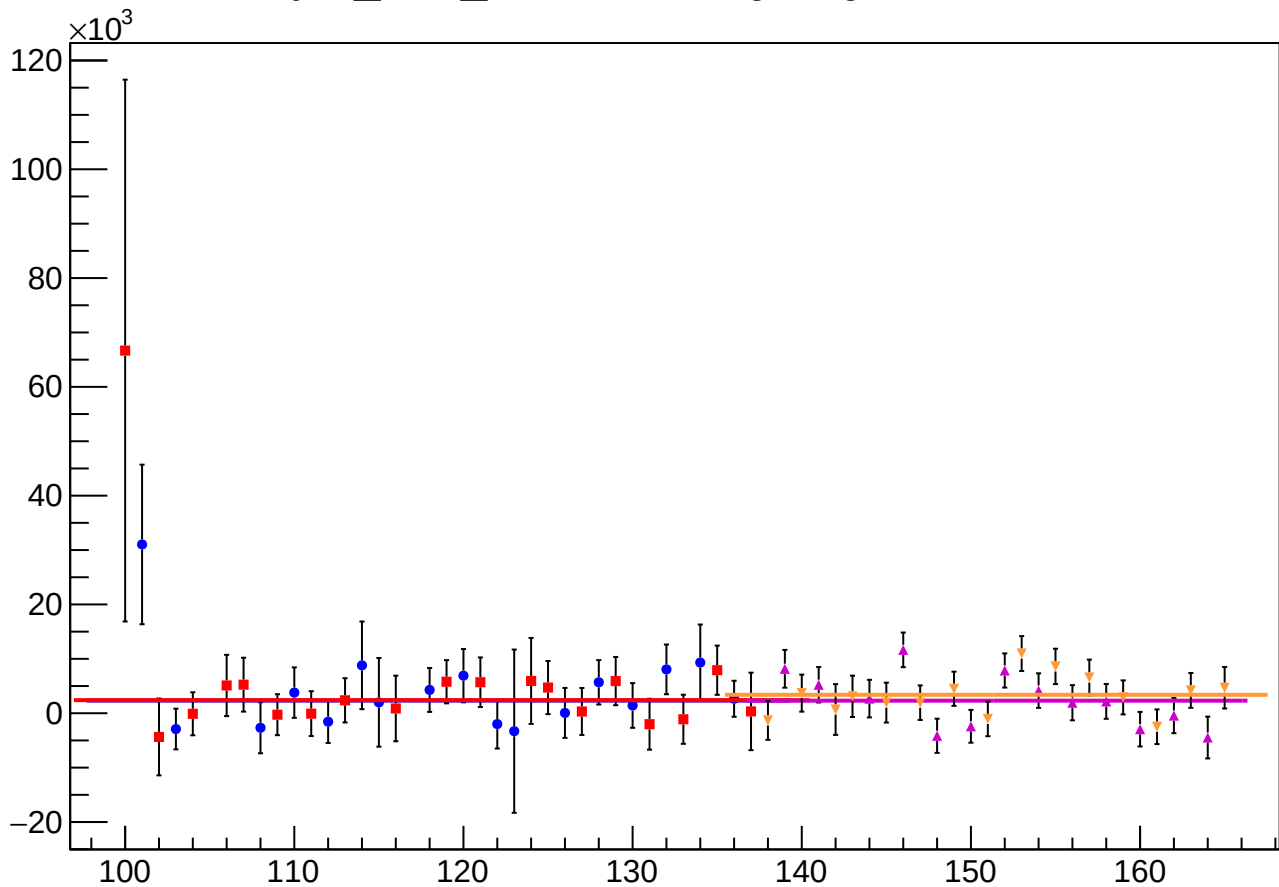
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 800.019+/-0.179 χ^2/NDF :890966.8/12

Out: 819.618+/-0.179 χ^2/NDF :1037647.9/14

All: 809.825+/-0.127 χ^2/NDF : 1934584.0/27

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2330.134+/-1156.555 χ^2/NDF : 14.4/16

Left Out: 3389.163+/-875.839 χ^2/NDF : 17.2/14

Right Out: 2403.750+/-1110.093 χ^2/NDF : 10.1/18

Left In: 2309.532+/-902.837 χ^2/NDF : 29.0/12

Left: 2865.731+/-628.640 χ^2/NDF : 46.9/27

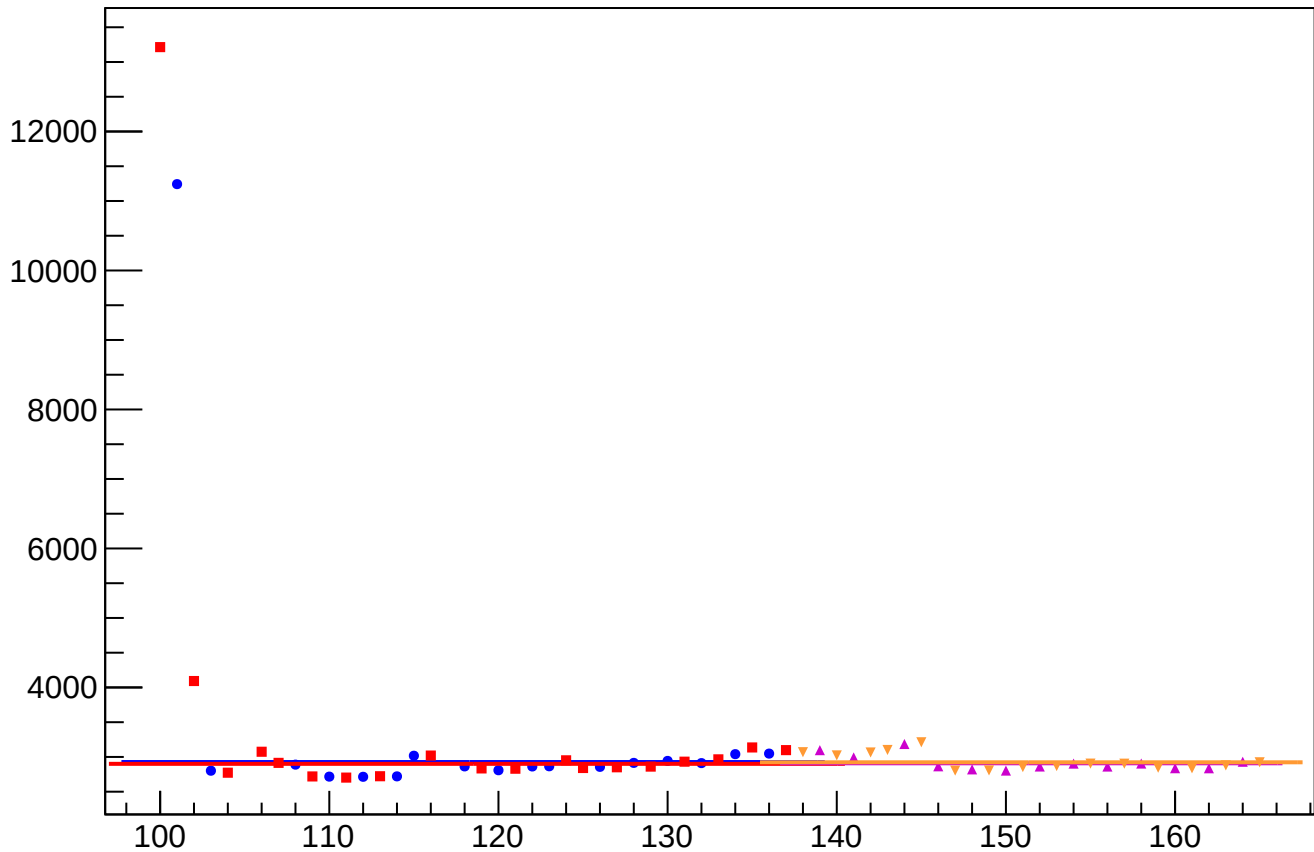
Right: 2368.450+/-800.876 χ^2/NDF : 24.5/35

In: 2317.333+/-711.673 χ^2/NDF : 43.4/29

Out: 3011.097+/-687.597 χ^2/NDF : 27.7/33

All: 2676.148+/-494.497 χ^2/NDF : 71.6/63

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2926.610+/-0.818 χ^2/NDF : 662794.4/16

Left Out: 2922.911+/-0.619 χ^2/NDF : 33890.5/14

Right Out: 2900.827+/-0.785 χ^2/NDF : 169866.6/18

Left In: 2908.756+/-0.638 χ^2/NDF : 27409.2/12

Left: 2916.048+/-0.445 χ^2/NDF : 61553.0/27

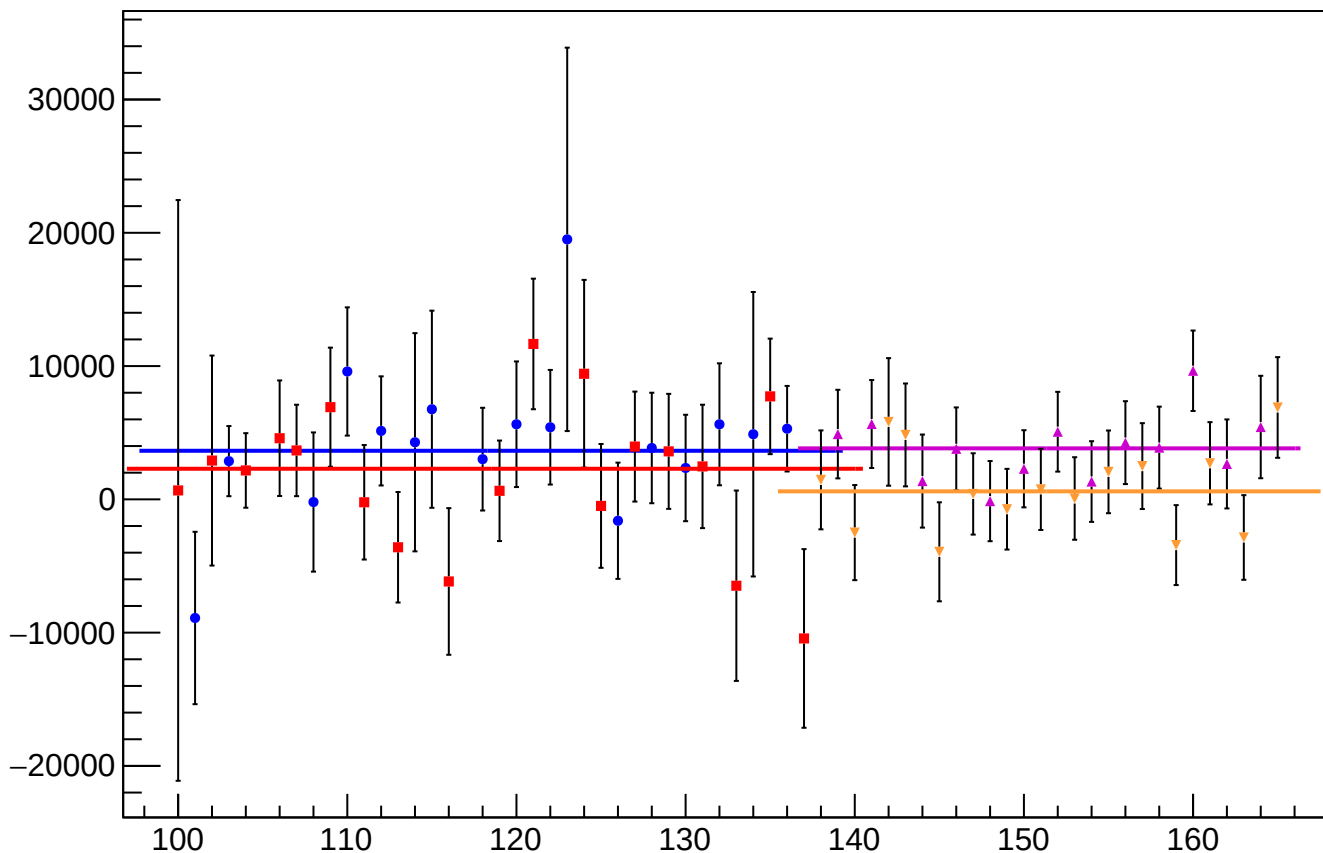
Right: 2913.190+/-0.566 χ^2/NDF : 833178.3/35

In: 2915.516+/-0.503 χ^2/NDF : 690499.7/29

Out: 2914.438+/-0.486 χ^2/NDF : 204244.9/33

All: 2914.959+/-0.350 χ^2/NDF : 894747.0/63

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3645.268 $\pm$ 1091.486 χ^2 /NDF: 9.9/16

Left Out: 600.721 $\pm$ 861.033 χ^2 /NDF:11.7/14

Right Out: 2295.846 $\pm$ 1046.865 χ^2 /NDF: 18.4/18

Left In: 3826.220 $\pm$ 878.611 χ^2 /NDF:7.8/12

Left: 2180.881 $\pm$ 614.963 χ^2 /NDF: 26.4/27

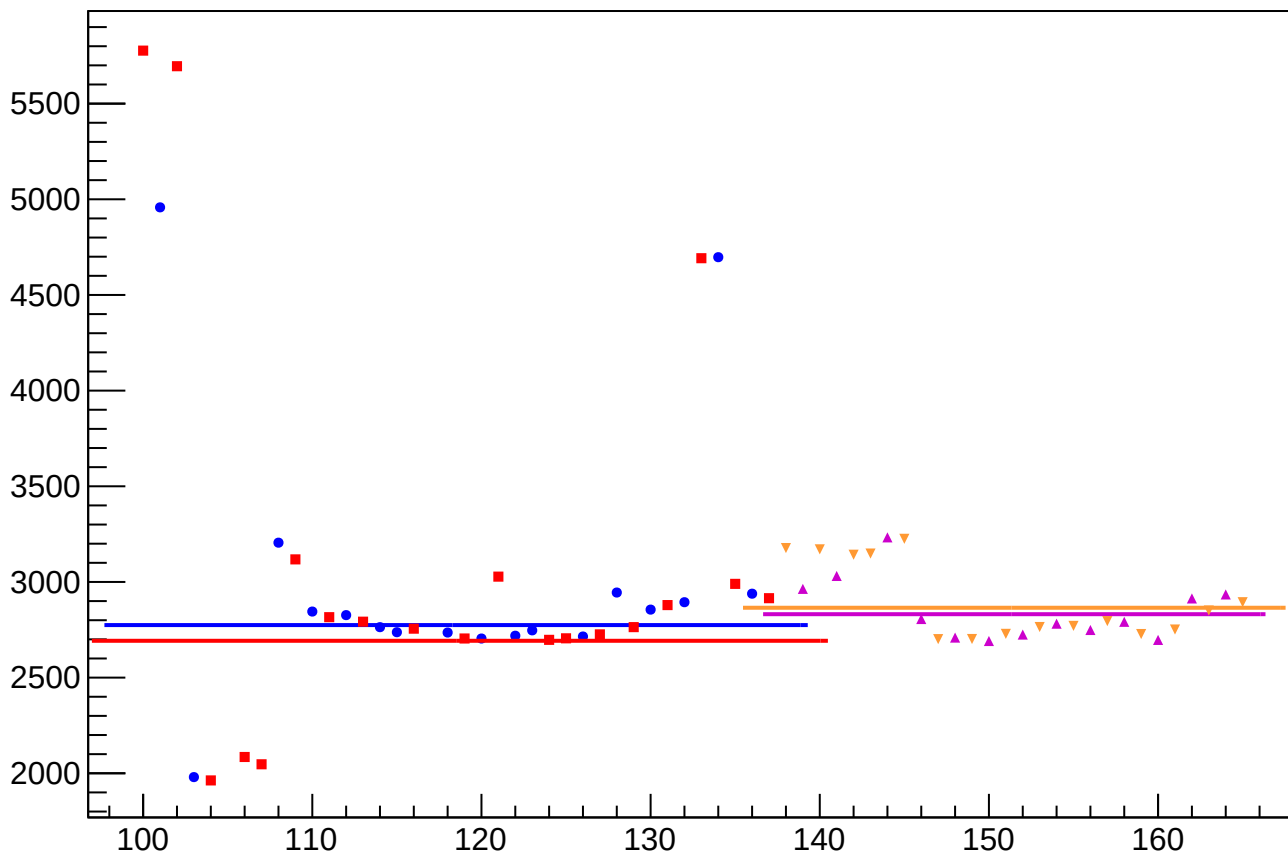
Right: 2942.410 $\pm$ 755.528 χ^2 /NDF: 29.1/35

In: 3755.071 $\pm$ 684.418 χ^2 /NDF:17.7/29

Out: 1284.727 $\pm$ 664.997 χ^2 /NDF:31.7/33

All: 2484.352 $\pm$ 476.942 χ^2 /NDF: 56.1/63

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2774.617 $\pm$ 0.772 χ^2/NDF : 501680.3/16

Left Out: 2865.184 $\pm$ 0.609 χ^2/NDF : 92685.8/14

Right Out: 2692.509 $\pm$ 0.740 χ^2/NDF : 780267.3/18

Left In: 2831.481 $\pm$ 0.621 χ^2/NDF : 56533.4/12

Left: 2848.673 $\pm$ 0.435 χ^2/NDF : 150720.3/27

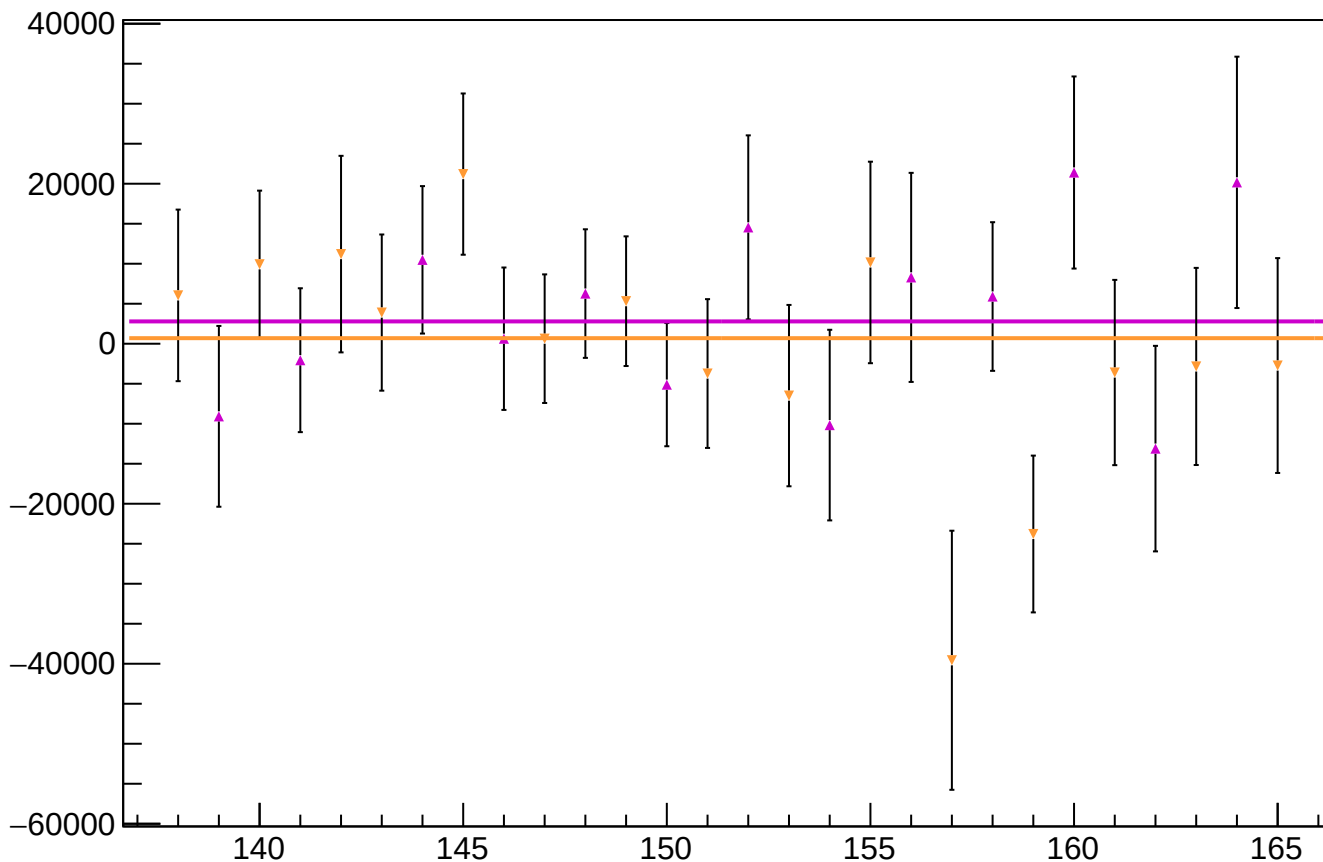
Right: 2731.837 $\pm$ 0.534 χ^2/NDF : 1287844.4/35

In: 2809.123 $\pm$ 0.484 χ^2/NDF : 561507.6/29

Out: 2795.480 $\pm$ 0.470 χ^2/NDF : 905422.3/33

All: 2802.104 $\pm$ 0.337 χ^2/NDF : 1467338.7/63

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 693.962+/-2695.311 χ^2/NDF : 20.5/14

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

Left In: 2789.241+/-2816.588 χ^2/NDF : 11.1/12

Left: 1695.522+/-1947.336 χ^2/NDF : 31.8/27

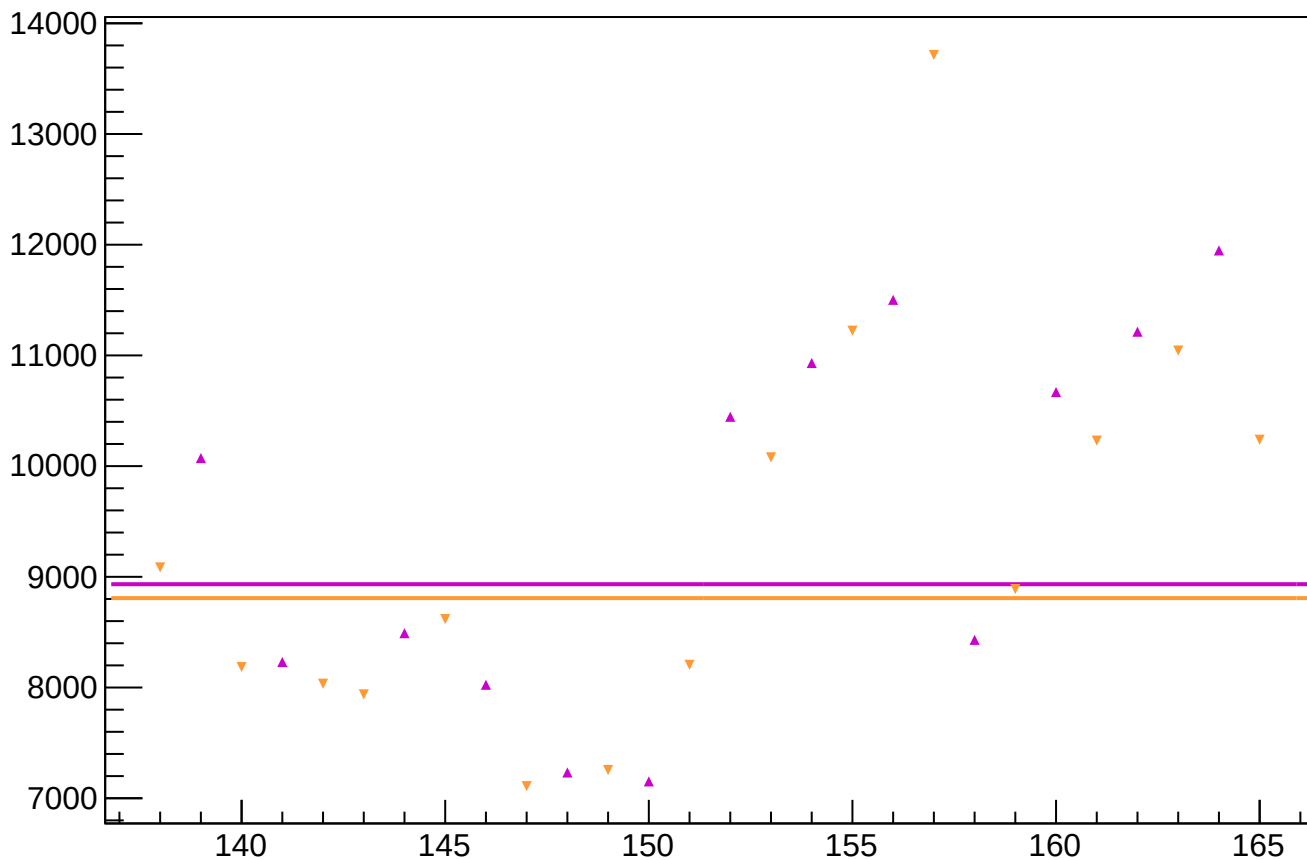
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2789.241+/-2816.588 χ^2/NDF : 11.1/12

Out: 693.962+/-2695.311 χ^2/NDF : 20.5/14

All: 1695.522+/-1947.336 χ^2/NDF : 31.8/27

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8807.797+/-1.906 χ^2/NDF :607525.2/14

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

Left In: 8933.349+/-1.992 χ^2/NDF :607114.6/12

Left: 8867.812+/-1.377 χ^2/NDF : 1216714.2/27

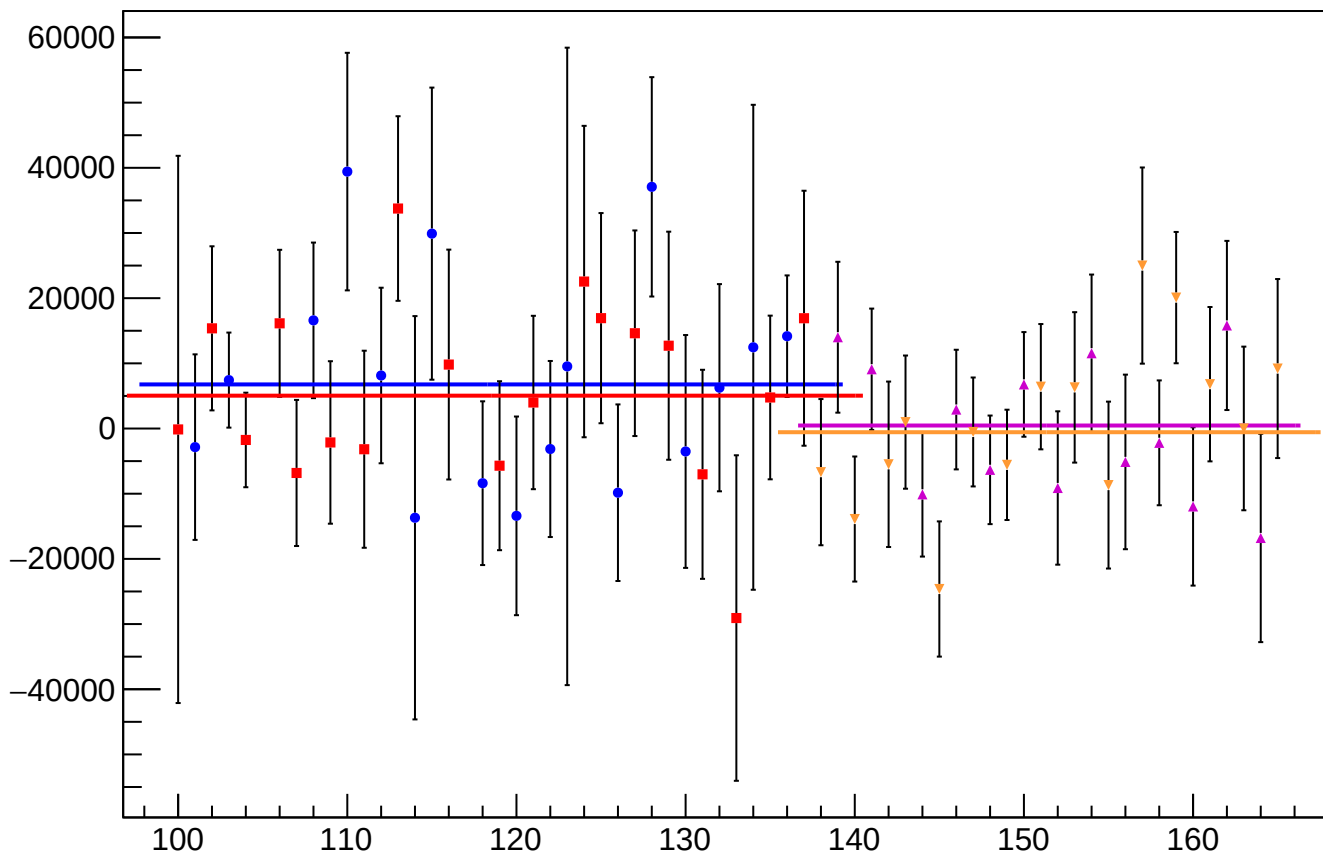
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 8933.349+/-1.992 χ^2/NDF :607114.6/12

Out: 8807.797+/-1.906 χ^2/NDF :607525.2/14

All: 8867.812+/-1.377 χ^2/NDF : 1216714.2/27

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6767.402 $\pm$ 3387.139 χ^2/NDF : 15.3/16

Left Out: -565.180 $\pm$ 2777.104 χ^2/NDF : 17.4/14

Right Out: 5041.440 $\pm$ 3167.616 χ^2/NDF : 13.6/18

Left In: 461.928 $\pm$ 2899.174 χ^2/NDF : 10.2/12

Left: -73.704 $\pm$ 2005.476 χ^2/NDF : 27.6/27

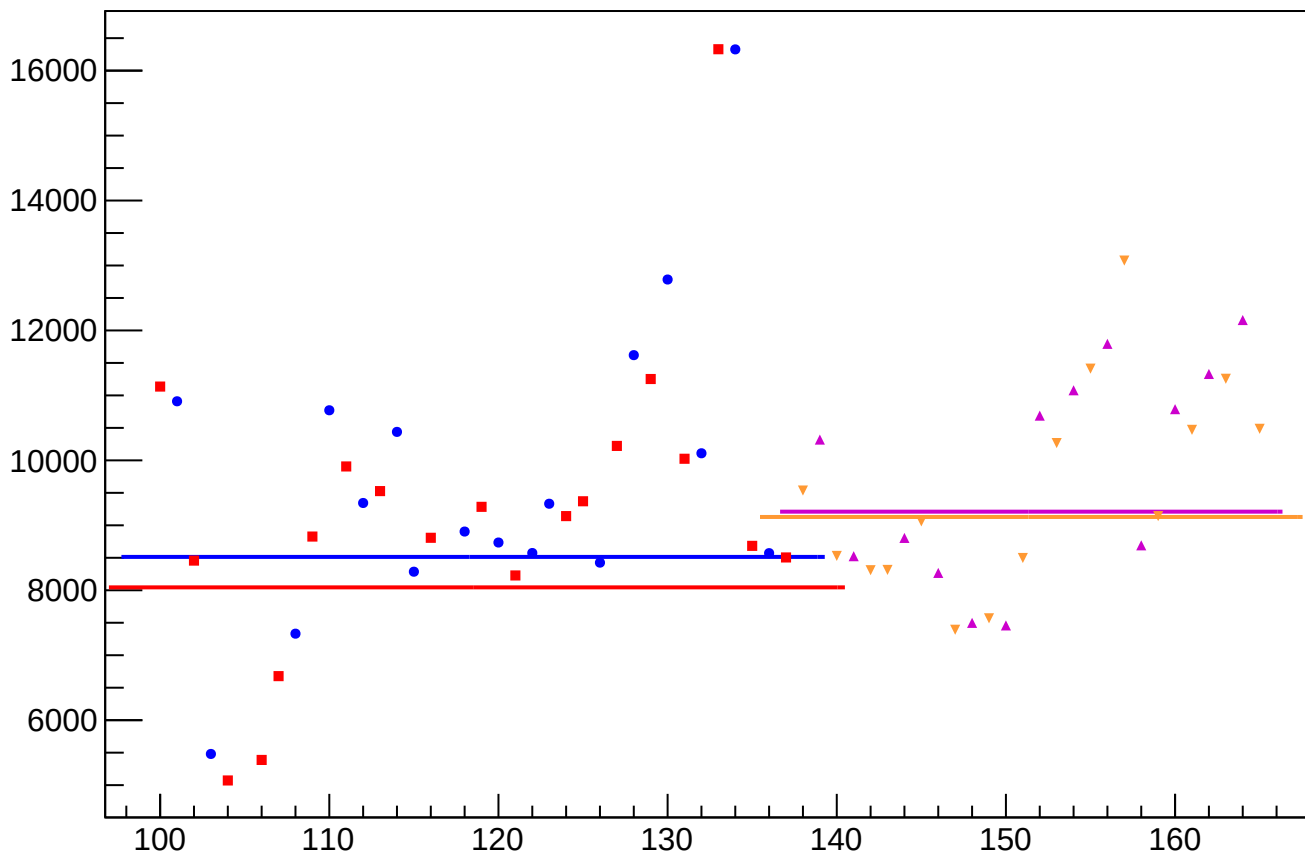
Right: 5846.682 $\pm$ 2313.559 χ^2/NDF : 29.1/35

In: 3128.144 $\pm$ 2202.530 χ^2/NDF : 27.5/29

Out: 1871.411 $\pm$ 2088.206 χ^2/NDF : 32.8/33

All: 2466.316 $\pm$ 1515.389 χ^2/NDF : 60.5/63

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8513.665 $\pm$ 2.395 χ^2 /NDF: 762614.5/16

Left Out: 9128.456 $\pm$ 1.964 χ^2 /NDF: 517876.8/14

Right Out: 8044.739 $\pm$ 2.240 χ^2 /NDF: 952310.5/18

Left In: 9210.210 $\pm$ 2.050 χ^2 /NDF: 548690.0/12

Left: 9167.576 $\pm$ 1.418 χ^2 /NDF: 1067396.1/27

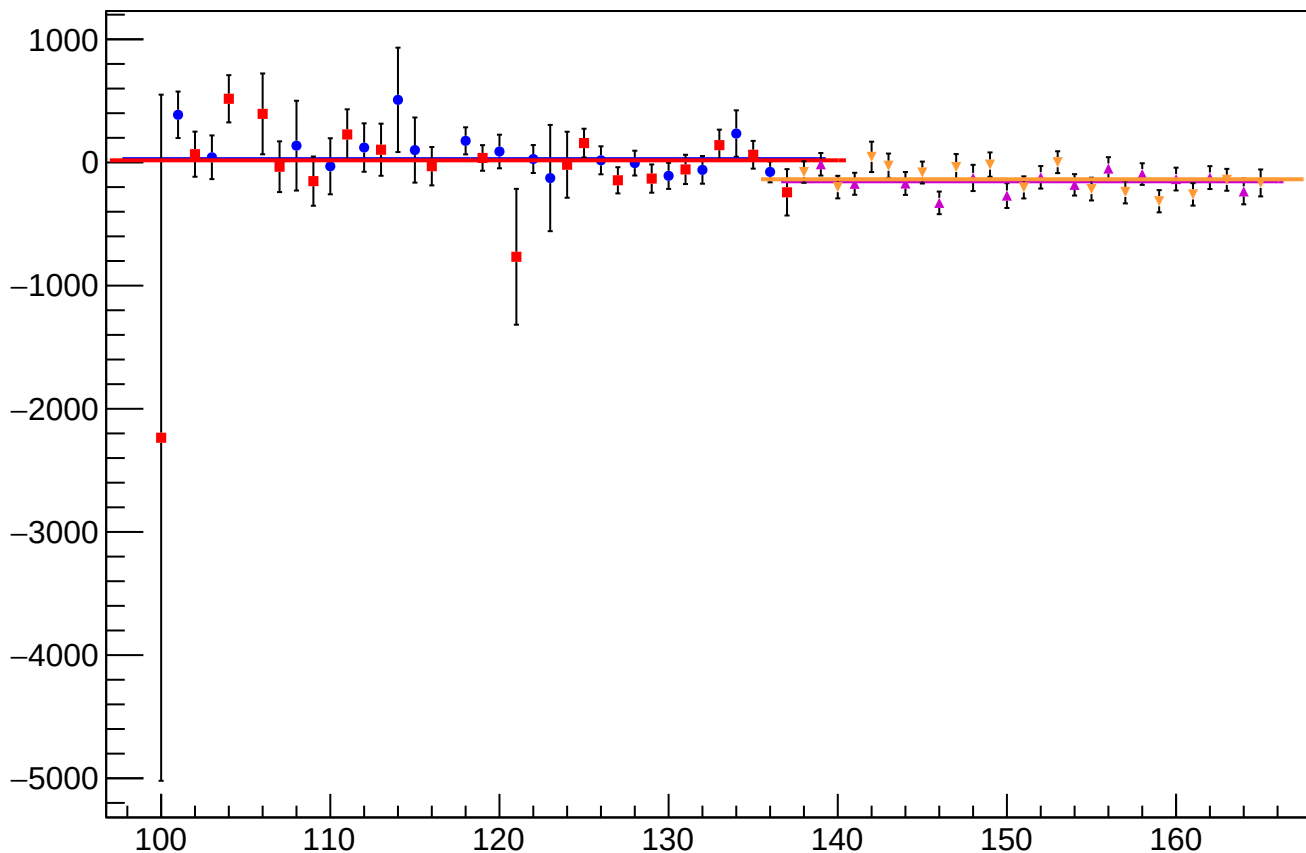
Right: 8263.507 $\pm$ 1.636 χ^2 /NDF: 1735374.5/35

In: 8915.682 $\pm$ 1.557 χ^2 /NDF: 1360119.8/29

Out: 8657.462 $\pm$ 1.477 χ^2 /NDF: 1602553.3/33

All: 8779.695 $\pm$ 1.072 χ^2 /NDF: 2977150.0/63

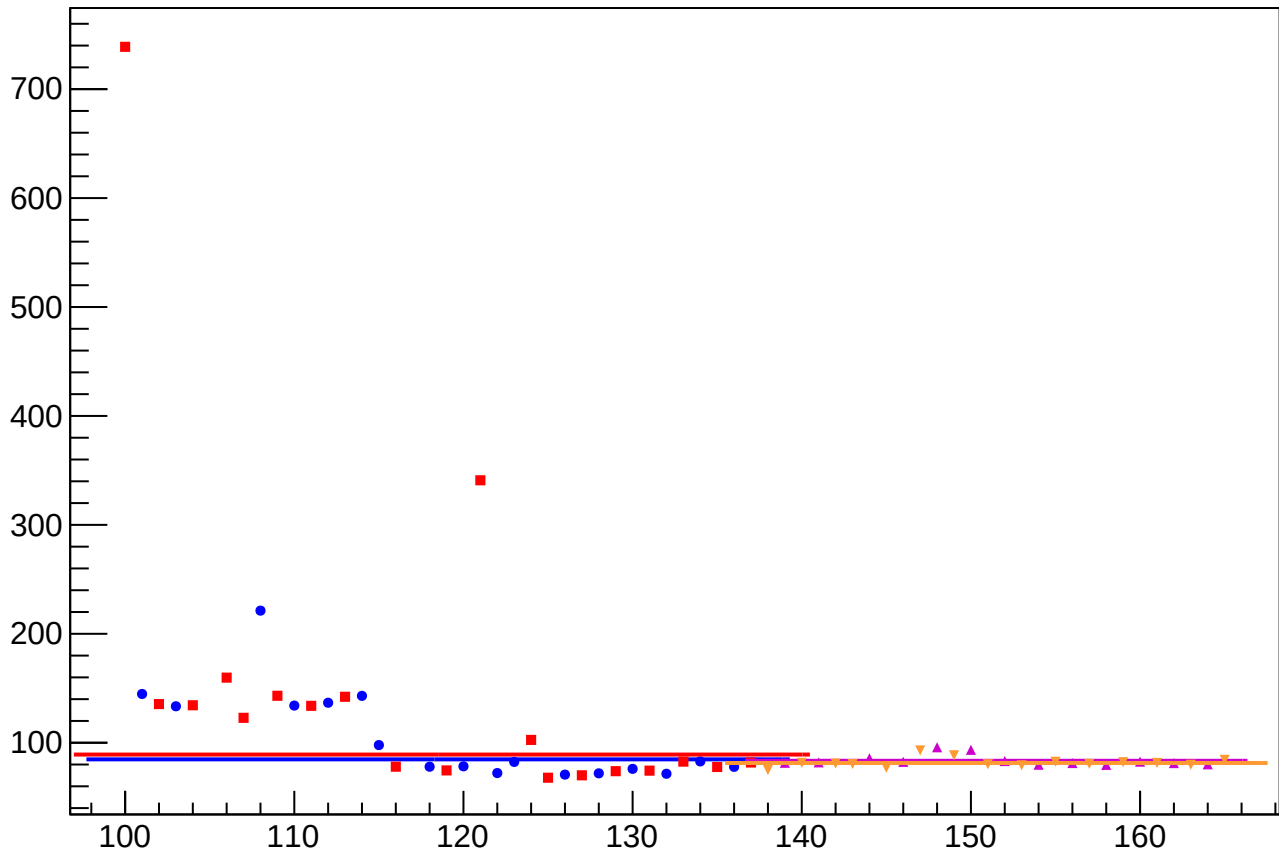
dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 26.932 $\pm$ 34.029 χ^2/NDF : 12.6/16
Left Out: -136.445 $\pm$ 24.438 χ^2/NDF : 17.8/14
Right Out: 17.368 $\pm$ 35.548 χ^2/NDF : 21.9/18
Left In: -152.839 $\pm$ 25.903 χ^2/NDF : 10.1/12

Left: -144.165 $\pm$ 17.775 χ^2/NDF : 28.1/27
Right: 22.359 $\pm$ 24.581 χ^2/NDF : 34.5/35
In: -86.887 $\pm$ 20.611 χ^2/NDF : 40.4/29
Out: -87.082 $\pm$ 20.138 χ^2/NDF : 52.4/33
All: -86.987 $\pm$ 14.404 χ^2/NDF : 92.8/63

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.737+/-0.024 χ^2/NDF : 1064420.0/16

Left Out: 81.417+/-0.017 χ^2/NDF : 54108.5/14

Right Out: 89.143+/-0.025 χ^2/NDF : 1559269.8/18

Left In: 83.417+/-0.018 χ^2/NDF : 61208.8/12

Left: 82.359+/-0.013 χ^2/NDF : 121630.1/27

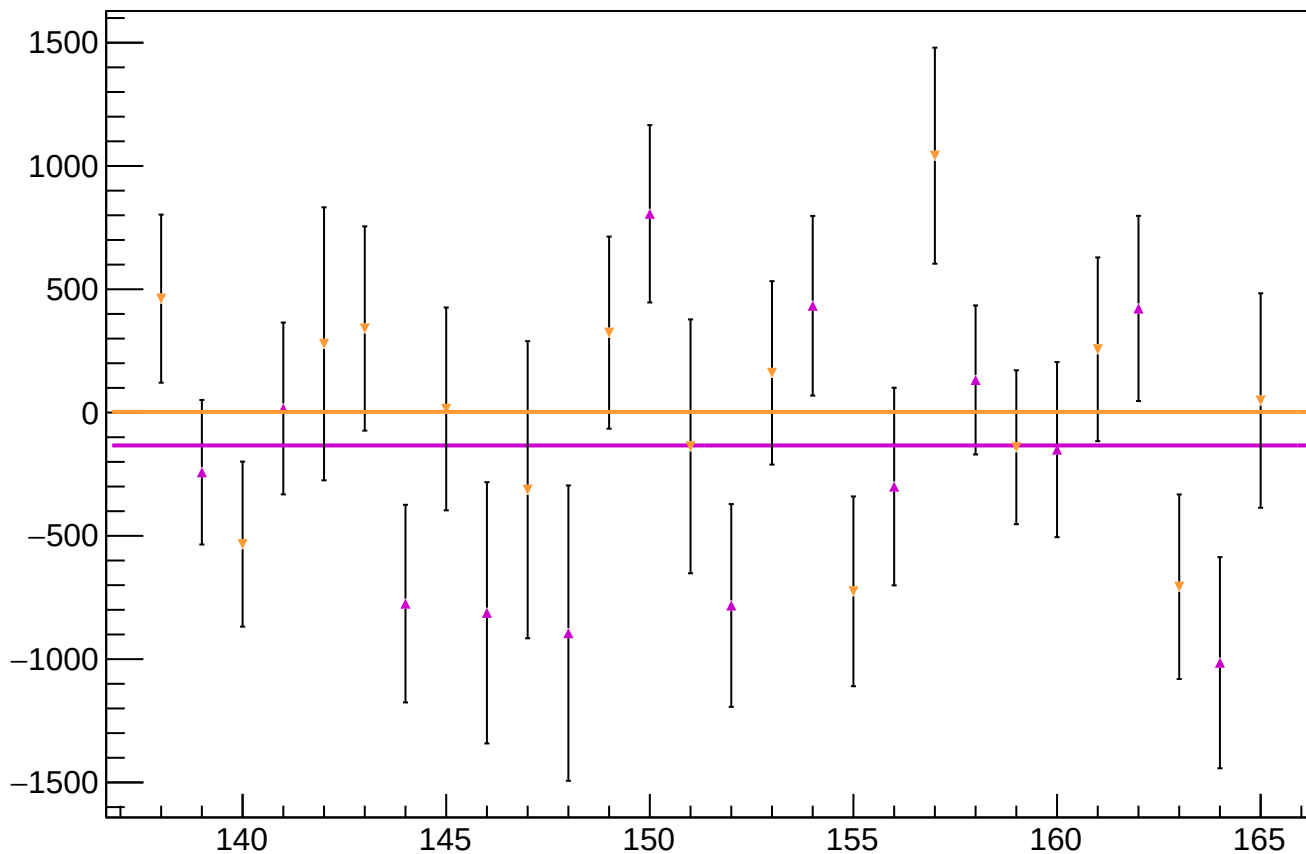
Right: 86.844+/-0.017 χ^2/NDF : 2639723.0/35

In: 83.902+/-0.015 χ^2/NDF : 1127533.1/29

Out: 83.896+/-0.014 χ^2/NDF : 1677538.9/33

All: 83.899+/-0.010 χ^2/NDF : 2805072.1/63

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 2.813 $\pm$ 102.741 χ^2 /NDF:20.0/14

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

Left In: -133.379 $\pm$ 104.674 χ^2 /NDF:25.2/12

Left: -64.014 $\pm$ 73.323 χ^2 /NDF: 46.1/27

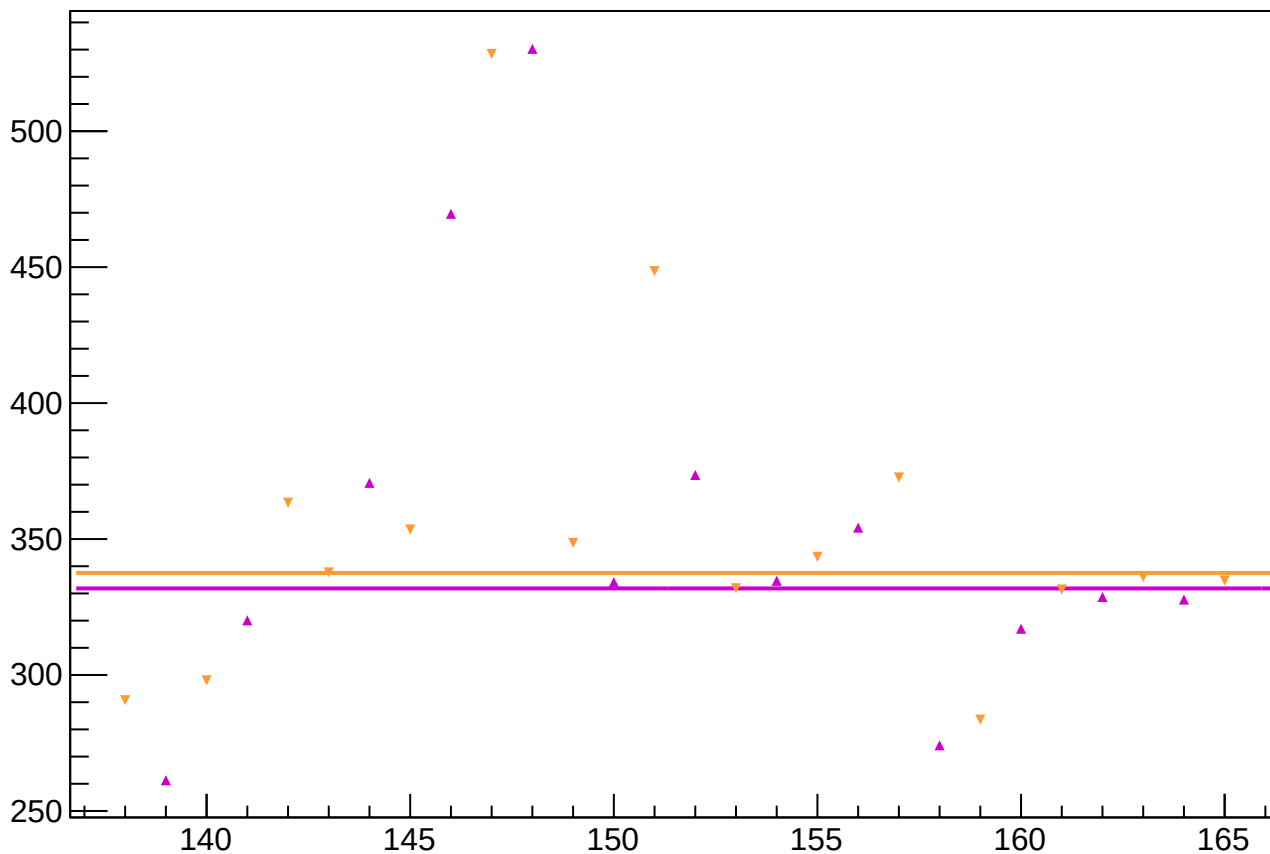
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -133.379 $\pm$ 104.674 χ^2 /NDF:25.2/12

Out: 2.813 $\pm$ 102.741 χ^2 /NDF:20.0/14

All: -64.014 $\pm$ 73.323 χ^2 /NDF: 46.1/27

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 337.544+/-0.073 χ^2 /NDF:442430.9/14

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

Left In: 331.843+/-0.074 χ^2 /NDF:595421.8/12

Left: 334.747+/-0.052 χ^2 /NDF: 1040874.7/27

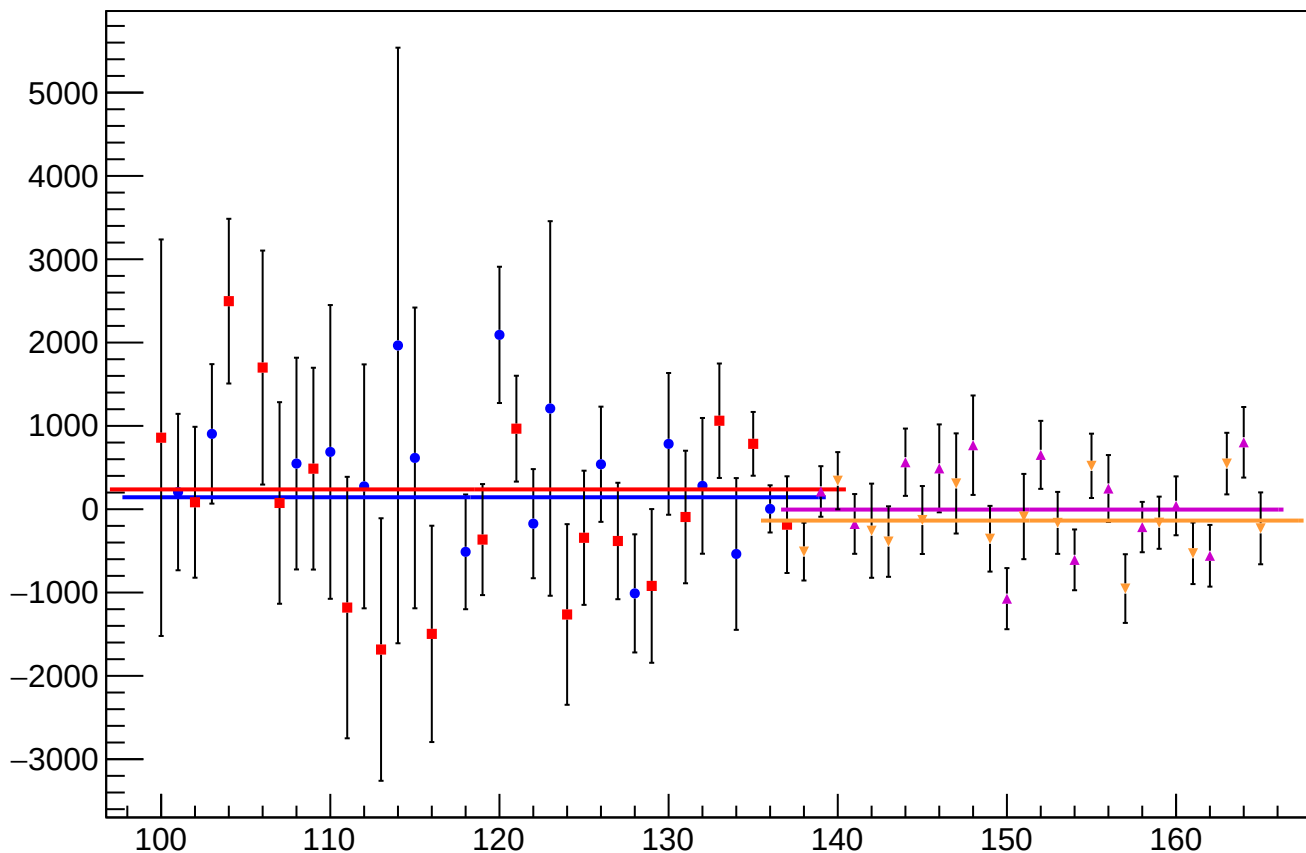
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 331.843+/-0.074 χ^2 /NDF:595421.8/12

Out: 337.544+/-0.073 χ^2 /NDF:442430.9/14

All: 334.747+/-0.052 χ^2 /NDF: 1040874.7/27

asym_sam1_mean vs Slug, Sign Corrected



Right In: 143.486 $\pm$ 179.237 χ^2 /NDF: 12.8/16

Left Out: -136.331 $\pm$ 102.816 χ^2 /NDF:15.8/14

Right Out: 237.821 $\pm$ 183.995 χ^2 /NDF: 21.7/18

Left In: -4.353 $\pm$ 105.326 χ^2 /NDF:25.9/12

Left: -71.933 $\pm$ 73.573 χ^2 /NDF: 42.5/27

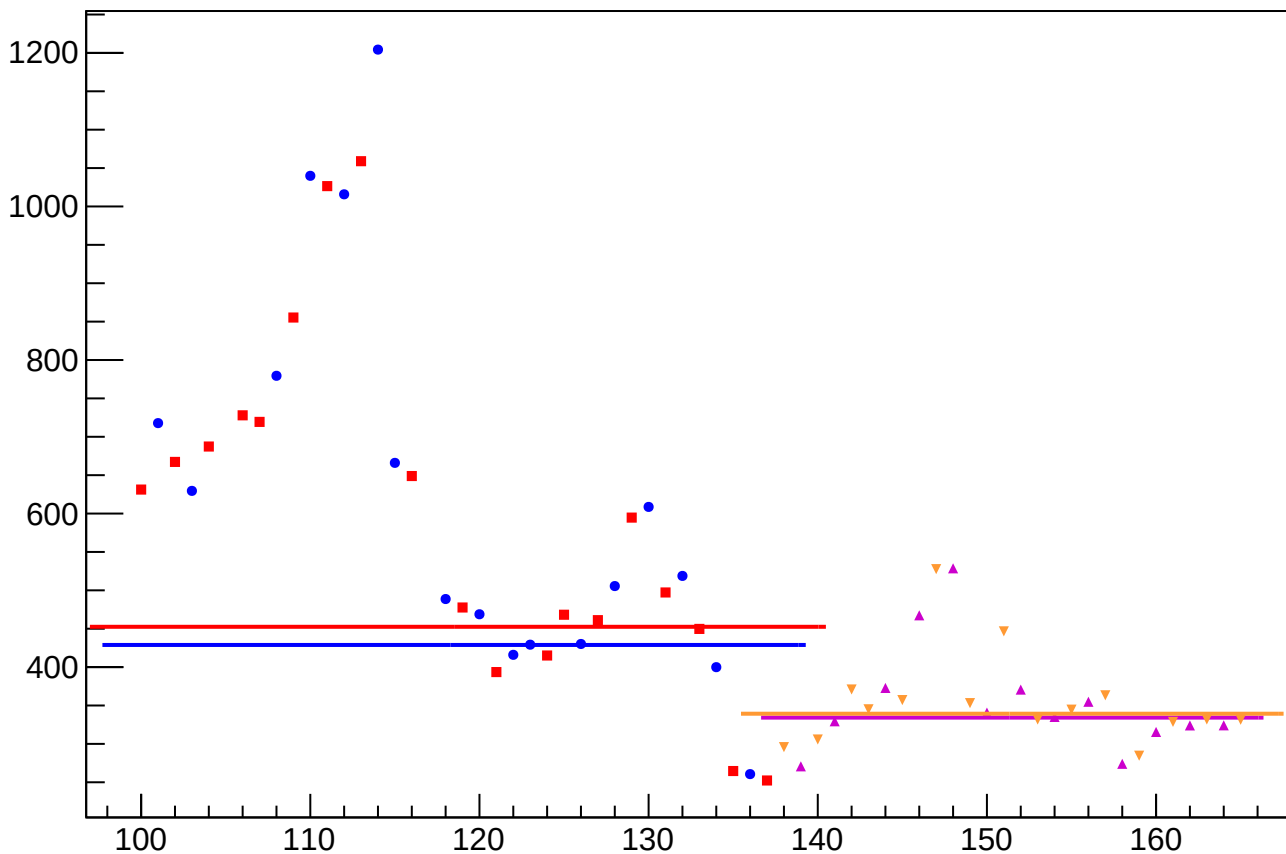
Right: 189.418 $\pm$ 128.389 χ^2 /NDF: 34.6/35

In: 33.594 $\pm$ 90.808 χ^2 /NDF:39.2/29

Out: -47.300 $\pm$ 89.754 χ^2 /NDF:40.6/33

All: -7.325 $\pm$ 63.835 χ^2 /NDF: 80.2/63

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.856 $\pm$ 0.127 χ^2 /NDF: 2012329.6/16

Left Out: 339.295 $\pm$ 0.073 χ^2 /NDF: 419801.6/14

Right Out: 452.517 $\pm$ 0.130 χ^2 /NDF: 2039238.5/18

Left In: 334.209 $\pm$ 0.074 χ^2 /NDF: 555486.9/12

Left: 336.813 $\pm$ 0.052 χ^2 /NDF: 977676.9/27

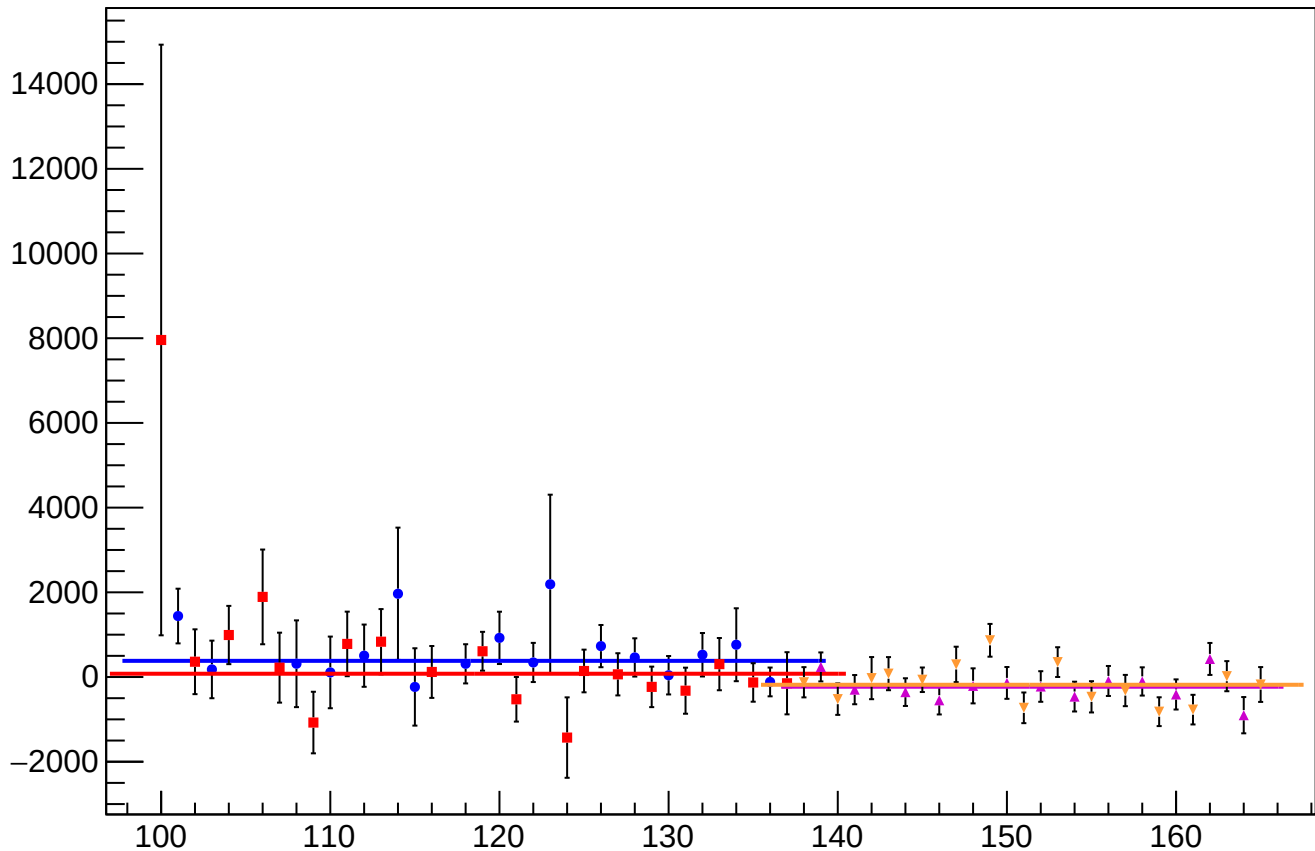
Right: 440.377 $\pm$ 0.091 χ^2 /NDF: 4068538.6/35

In: 358.503 $\pm$ 0.064 χ^2 /NDF: 2982354.7/29

Out: 366.237 $\pm$ 0.063 χ^2 /NDF: 3036152.9/33

All: 362.415 $\pm$ 0.045 χ^2 /NDF: 6025846.5/63

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 381.893+/-141.192 χ^2/NDF : 9.4/16

Left Out: -183.125+/-94.895 χ^2/NDF :22.2/14

Right Out: 77.490+/-143.469 χ^2/NDF : 16.8/18

Left In: -229.184+/-99.395 χ^2/NDF :9.5/12

Left: -205.089+/-68.637 χ^2/NDF : 31.8/27

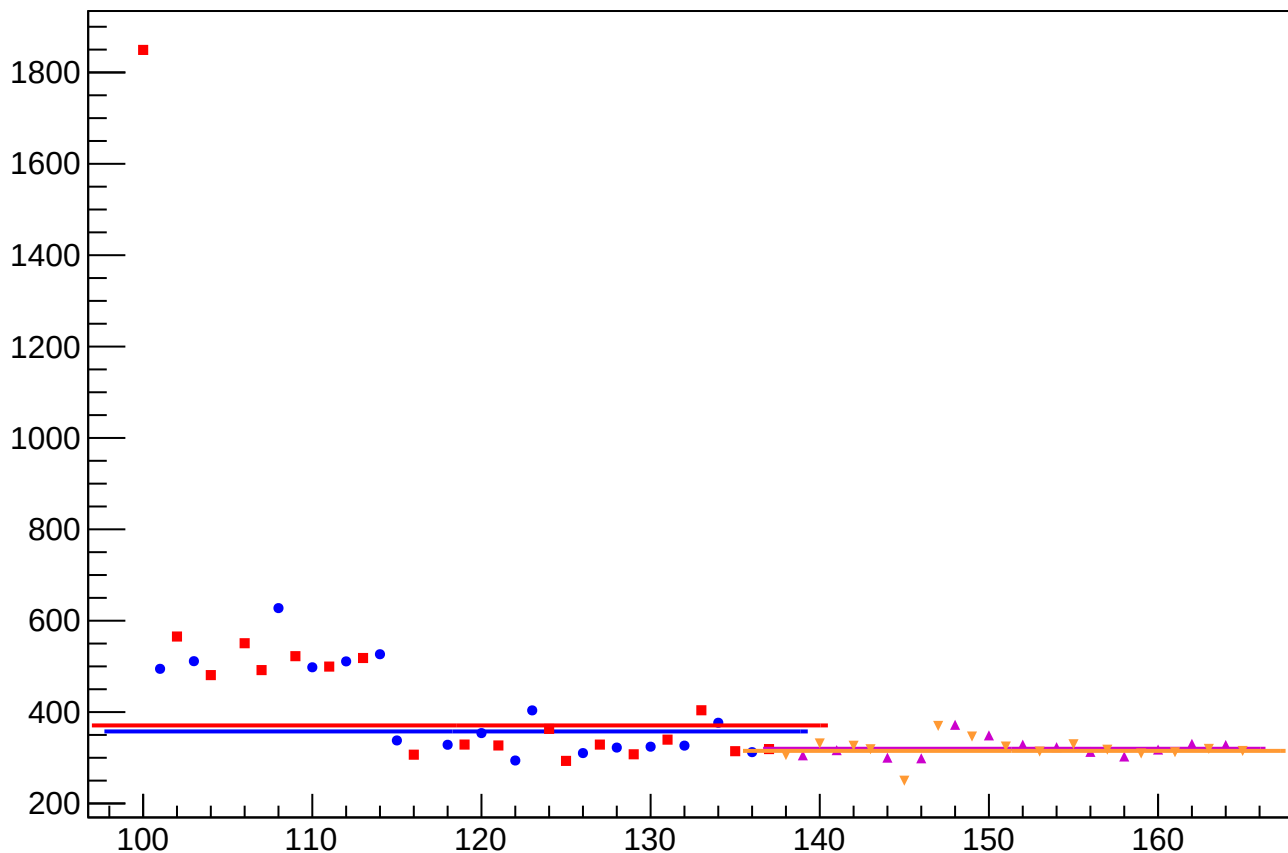
Right: 232.126+/-100.633 χ^2/NDF : 28.5/35

In: -26.698+/-81.276 χ^2/NDF :31.5/29

Out: -103.809+/-79.148 χ^2/NDF :41.3/33

All: -66.276+/-56.703 χ^2/NDF : 73.2/63

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 357.664+/-0.100 χ^2/NDF : 629671.7/16

Left Out: 315.113+/-0.067 χ^2/NDF : 160935.6/14

Right Out: 370.794+/-0.101 χ^2/NDF : 784786.3/18

Left In: 319.722+/-0.070 χ^2/NDF : 72568.5/12

Left: 317.311+/-0.049 χ^2/NDF : 235753.8/27

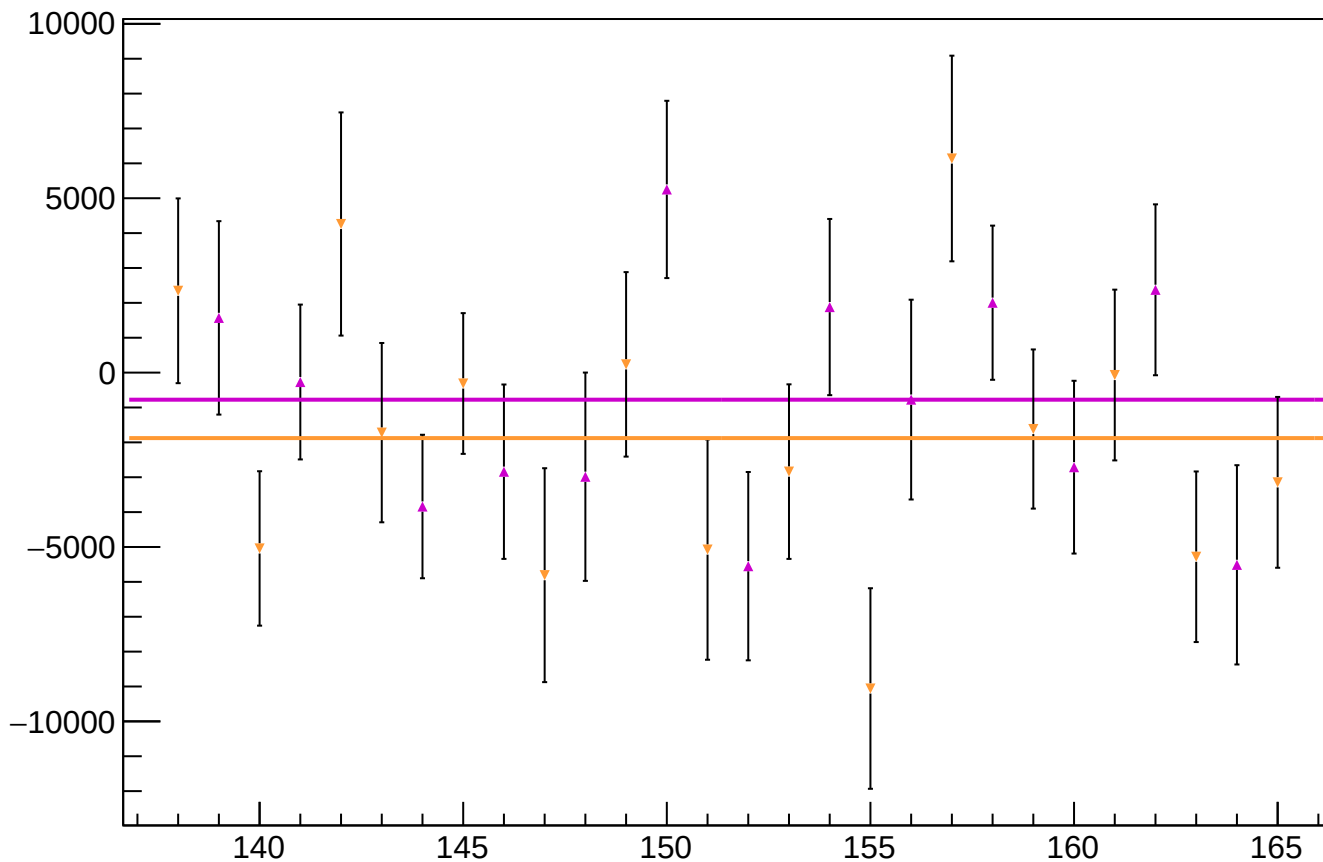
Right: 364.124+/-0.071 χ^2/NDF : 1422966.9/35

In: 332.295+/-0.057 χ^2/NDF : 798809.3/29

Out: 332.059+/-0.056 χ^2/NDF : 1155284.8/33

All: 332.174+/-0.040 χ^2/NDF : 1954102.8/63

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1877.799+/-662.414 χ^2/NDF :28.7/14

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

Left In: -776.492+/-695.285 χ^2/NDF :20.7/12

Left: -1353.794+/-479.597 χ^2/NDF : 50.7/27

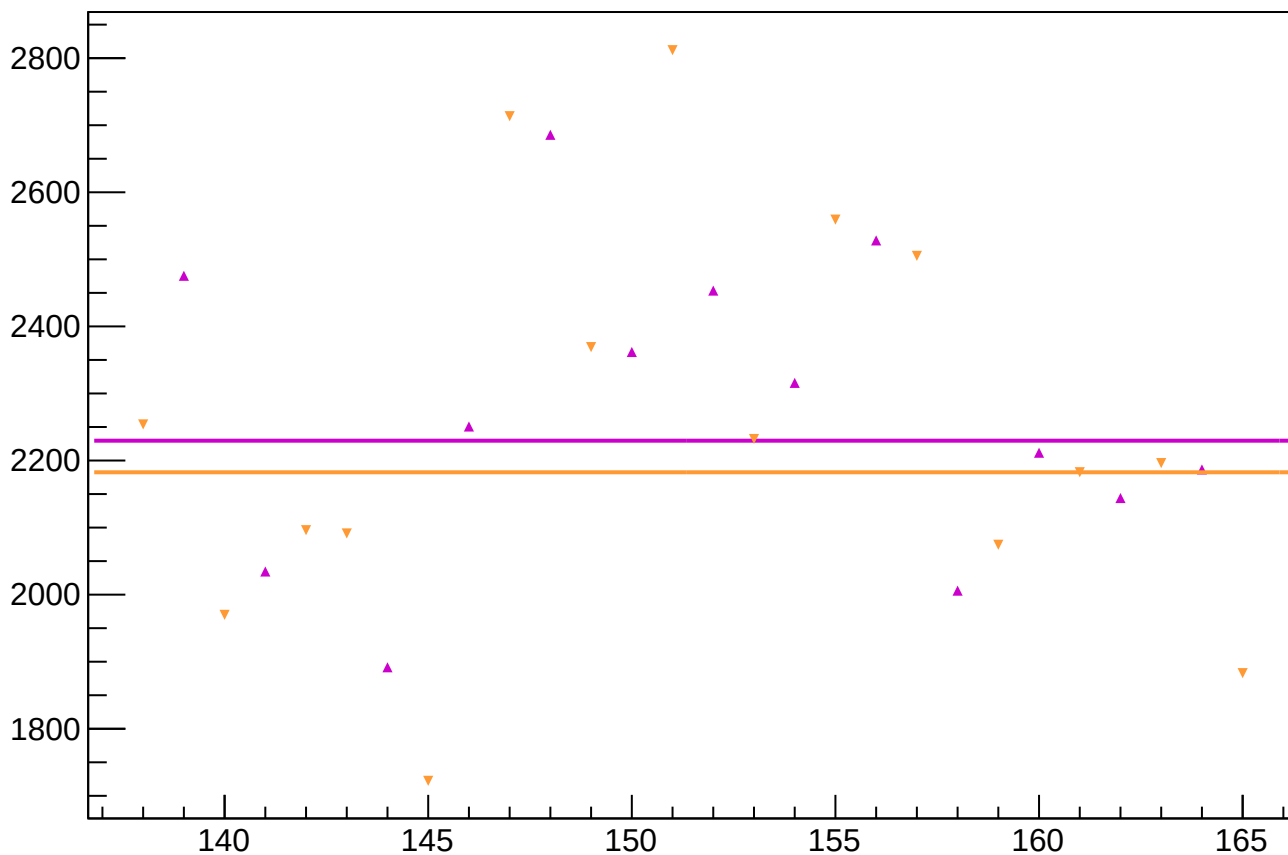
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -776.492+/-695.285 χ^2/NDF :20.7/12

Out: -1877.799+/-662.414 χ^2/NDF :28.7/14

All: -1353.794+/-479.597 χ^2/NDF : 50.7/27

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2182.465+/-0.468 χ^2/NDF :370716.6/14

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

Left In: 2229.590+/-0.492 χ^2/NDF :198602.4/12

Left: 2204.887+/-0.339 χ^2/NDF : 574135.0/27

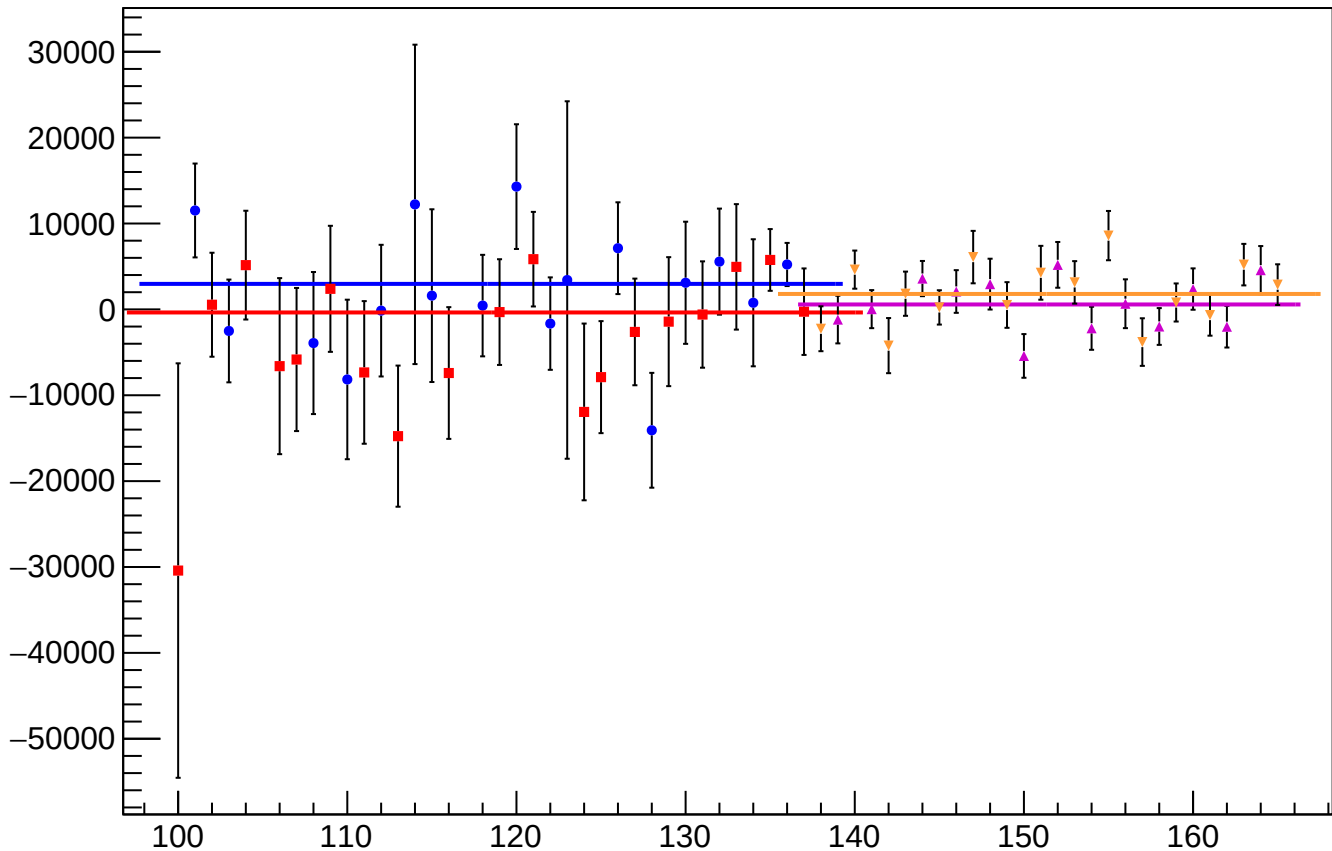
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2229.590+/-0.492 χ^2/NDF :198602.4/12

Out: 2182.465+/-0.468 χ^2/NDF :370716.6/14

All: 2204.887+/-0.339 χ^2/NDF : 574135.0/27

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2969.125+/-1440.489 χ^2/NDF : 17.4/16

Left Out: 1796.437+/-653.824 χ^2/NDF : 24.4/14

Right Out: -358.685+/-1507.064 χ^2/NDF : 15.3/18

Left In: 573.093+/-687.772 χ^2/NDF : 18.6/12

Left: 1215.701+/-473.870 χ^2/NDF : 44.7/27

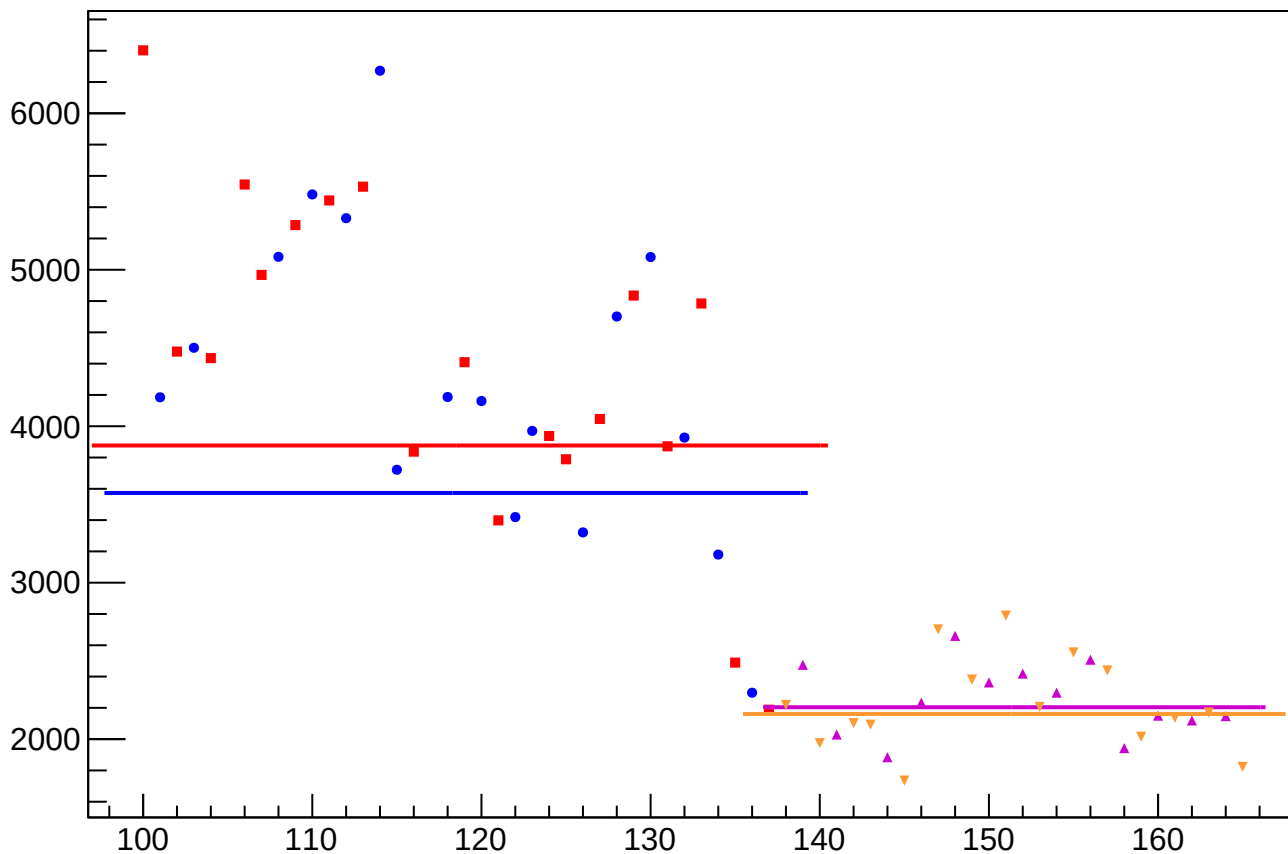
Right: 1380.346+/-1041.320 χ^2/NDF : 35.3/35

In: 1017.904+/-620.657 χ^2/NDF : 38.2/29

Out: 1455.060+/-599.809 χ^2/NDF : 41.5/33

All: 1243.947+/-431.311 χ^2/NDF : 80.0/63

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3573.470+/-1.019 χ^2/NDF : 1088731.5/16

Left Out: 2160.931+/-0.462 χ^2/NDF : 372641.2/14

Right Out: 3876.914+/-1.066 χ^2/NDF : 988409.8/18

Left In: 2204.016+/-0.486 χ^2/NDF : 208217.8/12

Left: 2181.384+/-0.335 χ^2/NDF : 584981.9/27

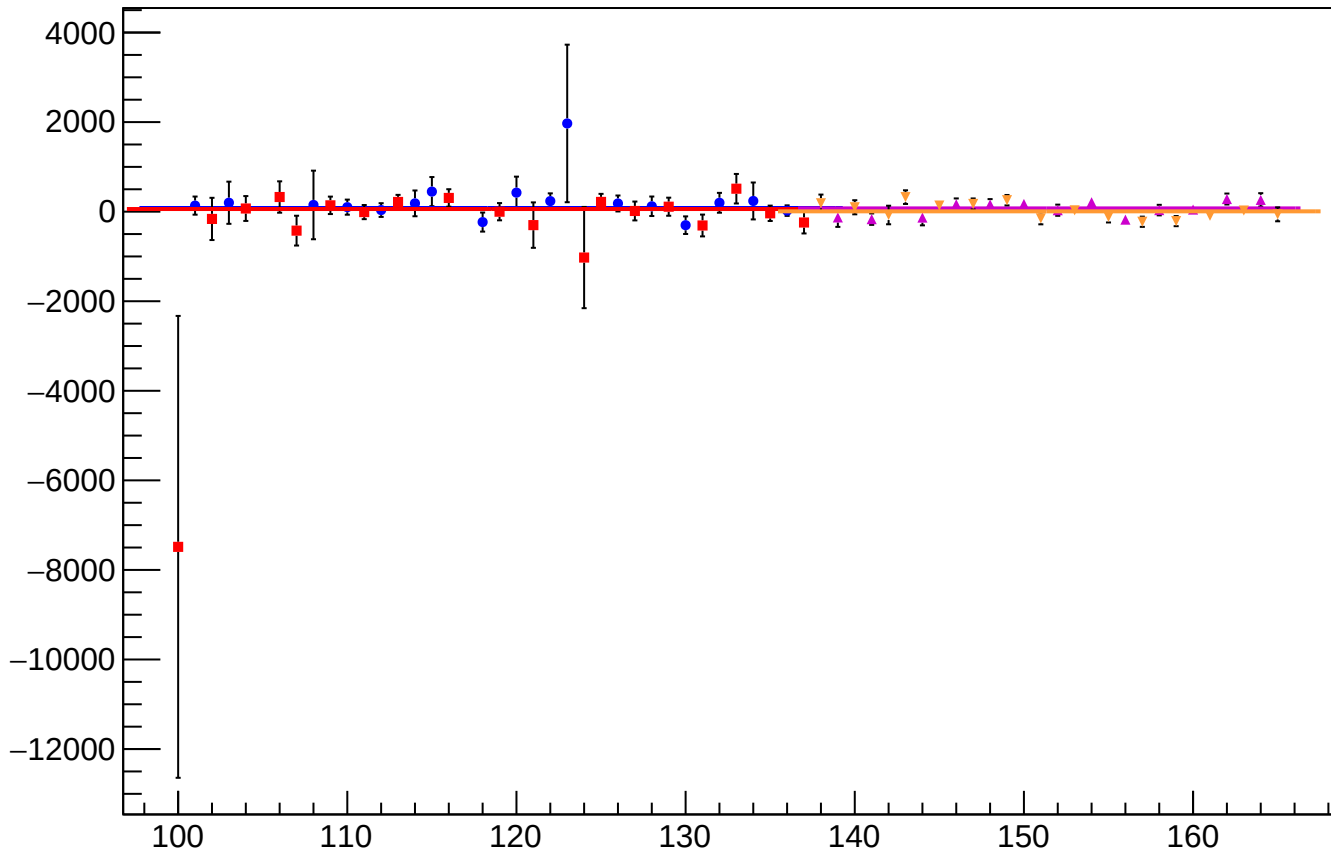
Right: 3718.342+/-0.736 χ^2/NDF : 2119512.7/35

In: 2458.248+/-0.439 χ^2/NDF : 2768985.7/29

Out: 2432.747+/-0.424 χ^2/NDF : 3543261.4/33

All: 2445.062+/-0.305 χ^2/NDF : 6313992.9/63

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 81.851+/-51.907 χ^2/NDF : 11.5/16

Left Out: 7.376+/-32.773 χ^2/NDF :24.8/14

Right Out: 59.008+/-53.165 χ^2/NDF : 16.4/18

Left In: 72.947+/-34.445 χ^2/NDF :19.4/12

Left: 38.531+/-23.743 χ^2/NDF : 46.1/27

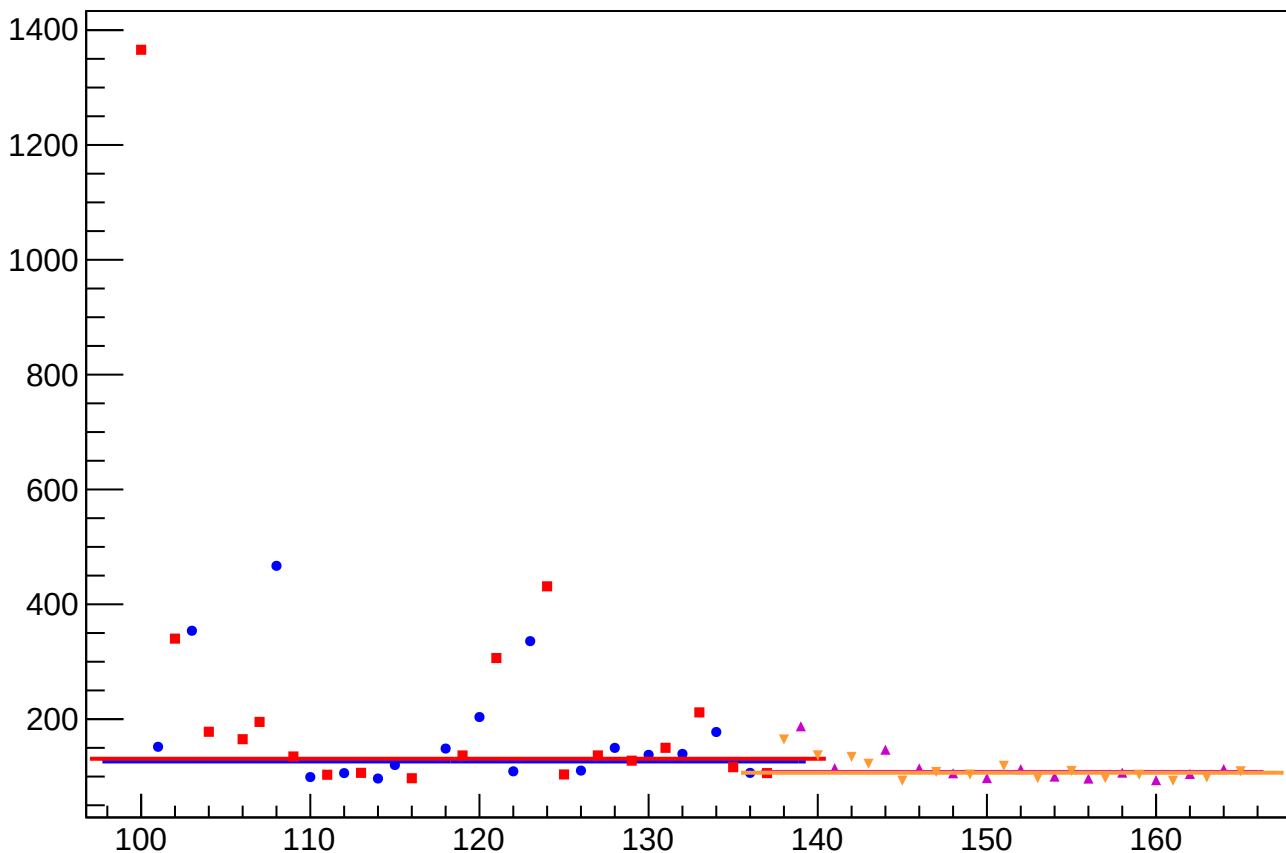
Right: 70.703+/-37.141 χ^2/NDF : 28.1/35

In: 75.669+/-28.701 χ^2/NDF :31.0/29

Out: 21.593+/-27.898 χ^2/NDF :41.9/33

All: 47.864+/-20.005 χ^2/NDF : 74.7/63

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 126.339+/-0.037 χ^2/NDF : 1310585.0/16

Left Out: 106.663+/-0.023 χ^2/NDF : 437276.1/14

Right Out: 131.007+/-0.038 χ^2/NDF : 1429260.8/18

Left In: 108.036+/-0.024 χ^2/NDF : 491274.5/12

Left: 107.316+/-0.017 χ^2/NDF : 930218.7/27

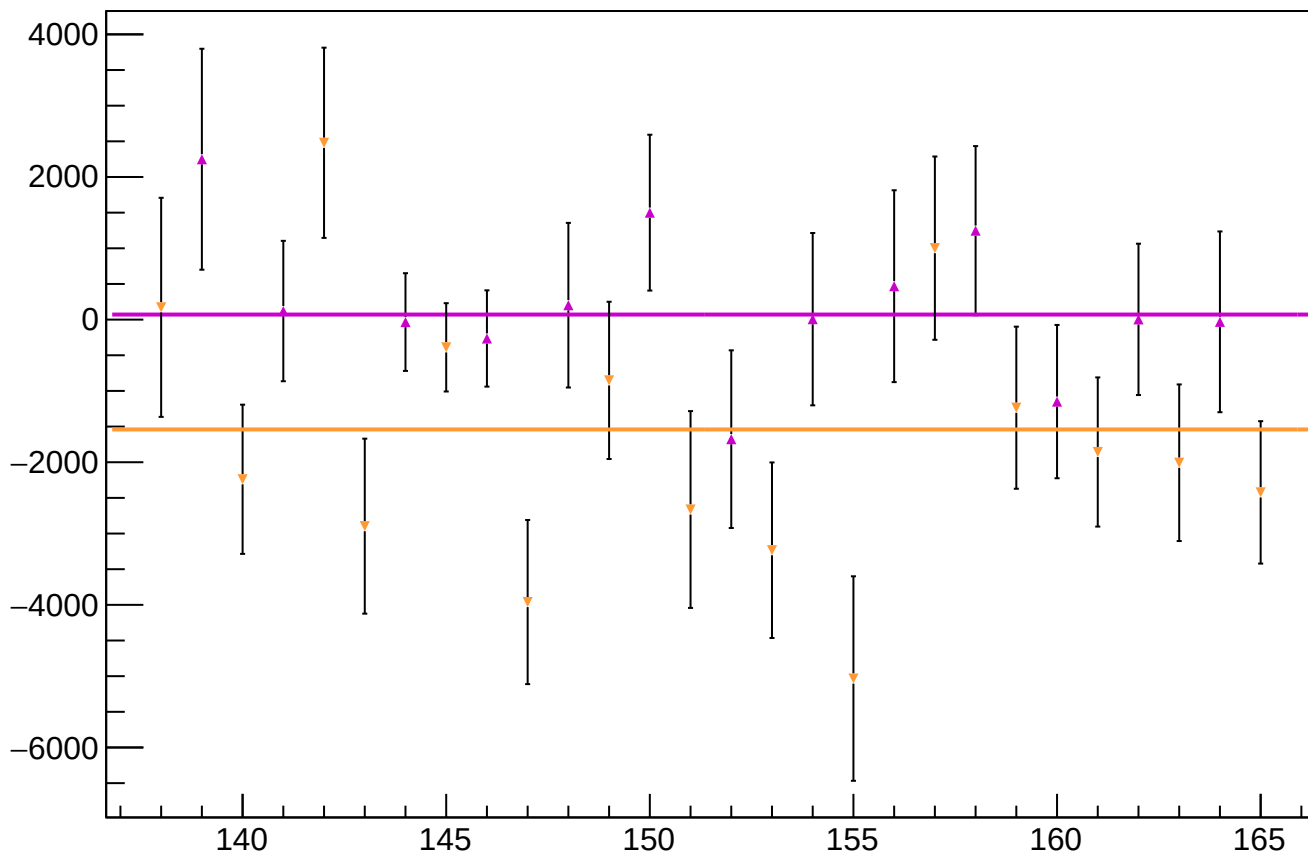
Right: 128.617+/-0.026 χ^2/NDF : 2747739.0/35

In: 113.632+/-0.020 χ^2/NDF : 1974500.0/29

Out: 113.366+/-0.020 χ^2/NDF : 2170400.0/33

All: 113.496+/-0.014 χ^2/NDF : 4144988.1/63

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1540.569+/-282.302 χ^2/NDF :33.8/14

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

Left In: 70.893+/-284.785 χ^2/NDF :8.3/12

Left: -741.894+/-200.489 χ^2/NDF : 58.3/27

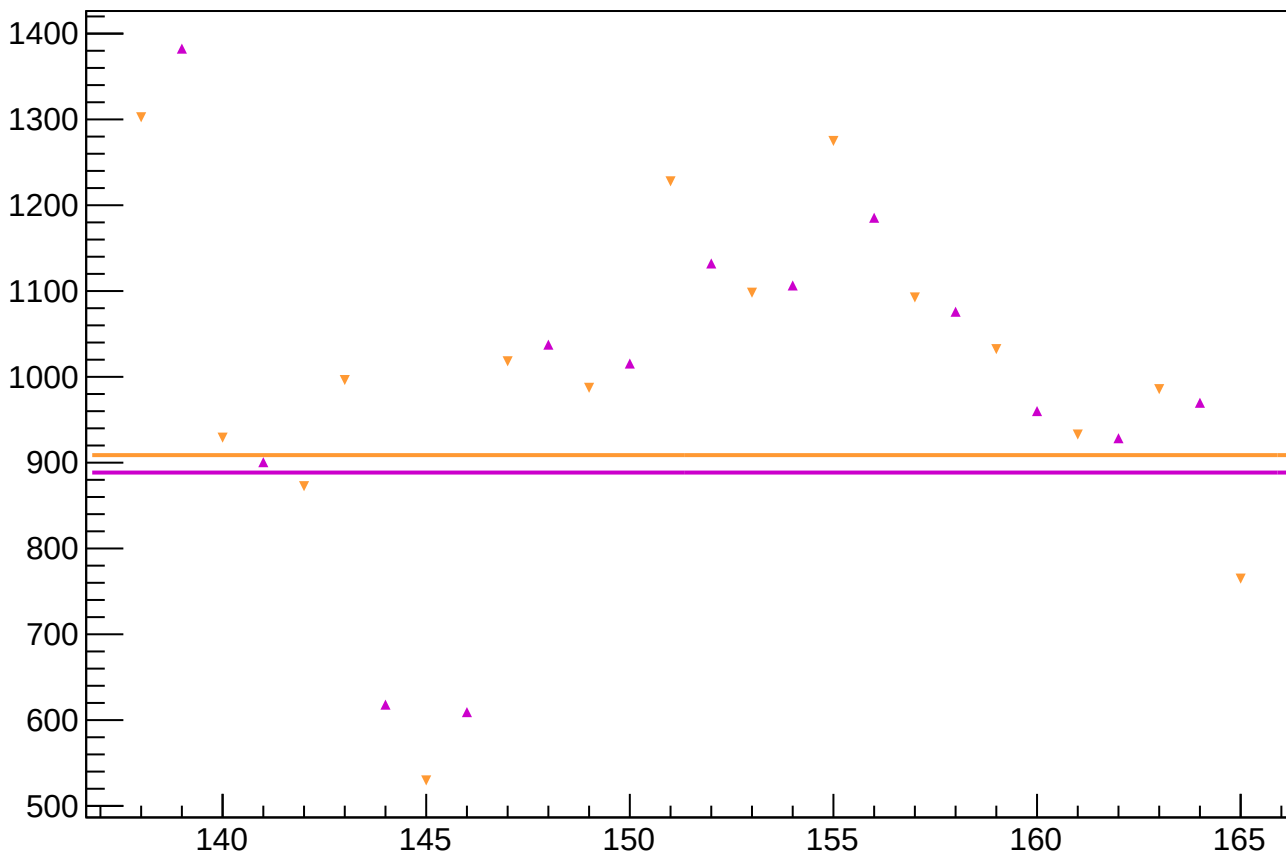
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 70.893+/-284.785 χ^2/NDF :8.3/12

Out: -1540.569+/-282.302 χ^2/NDF :33.8/14

All: -741.894+/-200.489 χ^2/NDF : 58.3/27

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 908.788+/-0.200 χ^2/NDF :1323281.1/14

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

Left In: 888.474+/-0.201 χ^2/NDF :1226761.6/12

Left: 898.720+/-0.142 χ^2/NDF : 2555175.7/27

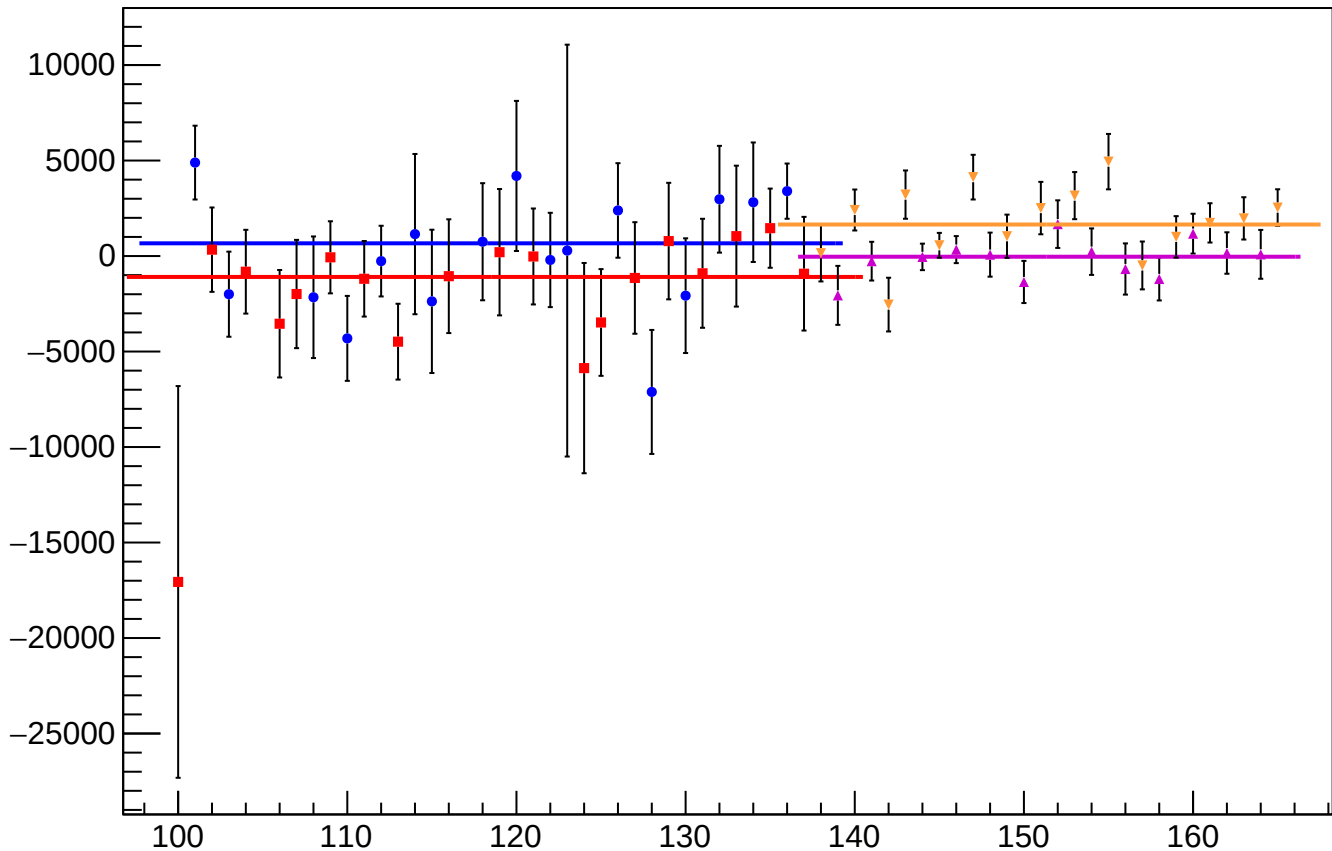
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 888.474+/-0.201 χ^2/NDF :1226761.6/12

Out: 908.788+/-0.200 χ^2/NDF :1323281.1/14

All: 898.720+/-0.142 χ^2/NDF : 2555175.7/27

asym_sam3_mean vs Slug, Sign Corrected



Right In: 666.453 ± 618.839 χ^2/NDF : 25.6/16

Left Out: 1650.664 ± 284.781 χ^2/NDF : 30.8/14

Right Out: -1094.278 ± 602.639 χ^2/NDF : 11.0/18

Left In: -35.723 ± 287.646 χ^2/NDF : 8.1/12

Left: 815.912 ± 202.376 χ^2/NDF : 56.3/27

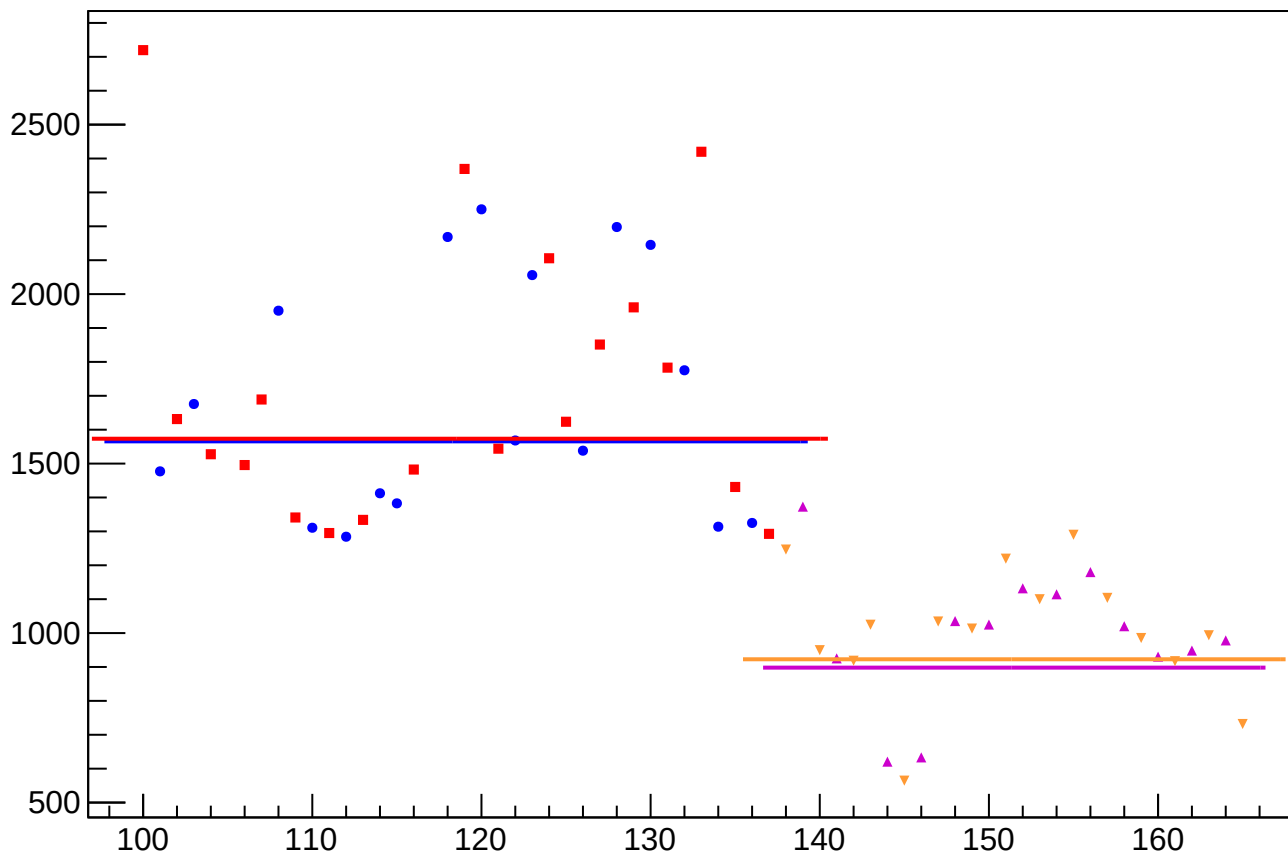
Right: -237.260 ± 431.744 χ^2/NDF : 40.8/35

In: 89.031 ± 260.845 χ^2/NDF : 34.8/29

Out: 1149.587 ± 257.480 χ^2/NDF : 58.8/33

All: 626.195 ± 183.244 χ^2/NDF : 101.9/63

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1565.623+/-0.438 χ^2/NDF : 490790.2/16

Left Out: 922.706+/-0.201 χ^2/NDF : 1146499.4/14

Right Out: 1573.366+/-0.426 χ^2/NDF : 462040.3/18

Left In: 898.052+/-0.203 χ^2/NDF : 1105247.5/12

Left: 910.502+/-0.143 χ^2/NDF : 2259166.5/27

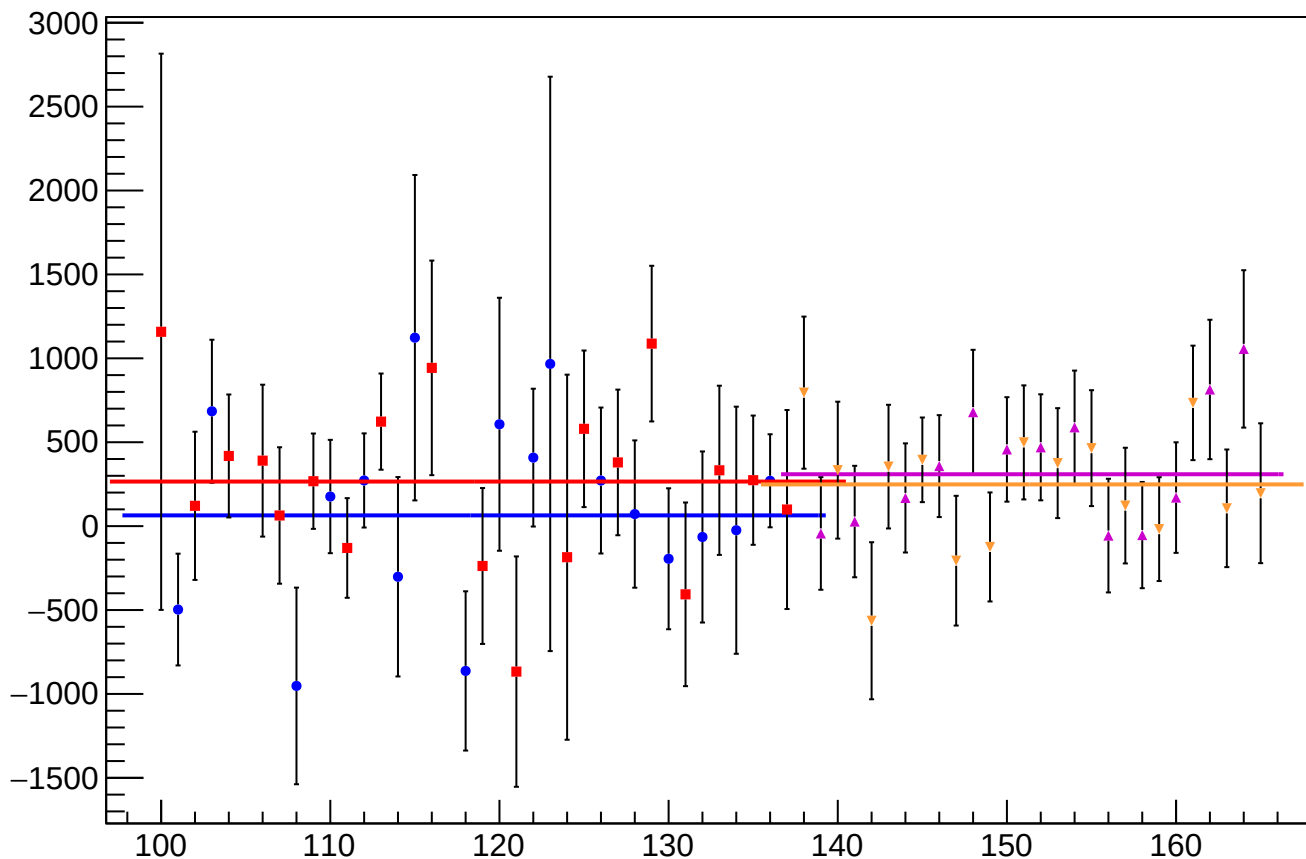
Right: 1569.597+/-0.305 χ^2/NDF : 952991.2/35

In: 1016.658+/-0.184 χ^2/NDF : 3509926.0/29

Out: 1041.480+/-0.182 χ^2/NDF : 3514382.7/33

All: 1029.230+/-0.130 χ^2/NDF : 7033482.3/63

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 64.087 ± 105.336 $\chi^2/\text{NDF}: 16.8/16$

Left Out: 248.635 ± 90.378 $\chi^2/\text{NDF}: 11.8/14$

Right Out: 265.661 ± 99.379 $\chi^2/\text{NDF}: 14.7/18$

Left In: 309.209 ± 94.145 $\chi^2/\text{NDF}: 10.9/12$

Left: 277.686 ± 65.198 $\chi^2/\text{NDF}: 22.9/27$

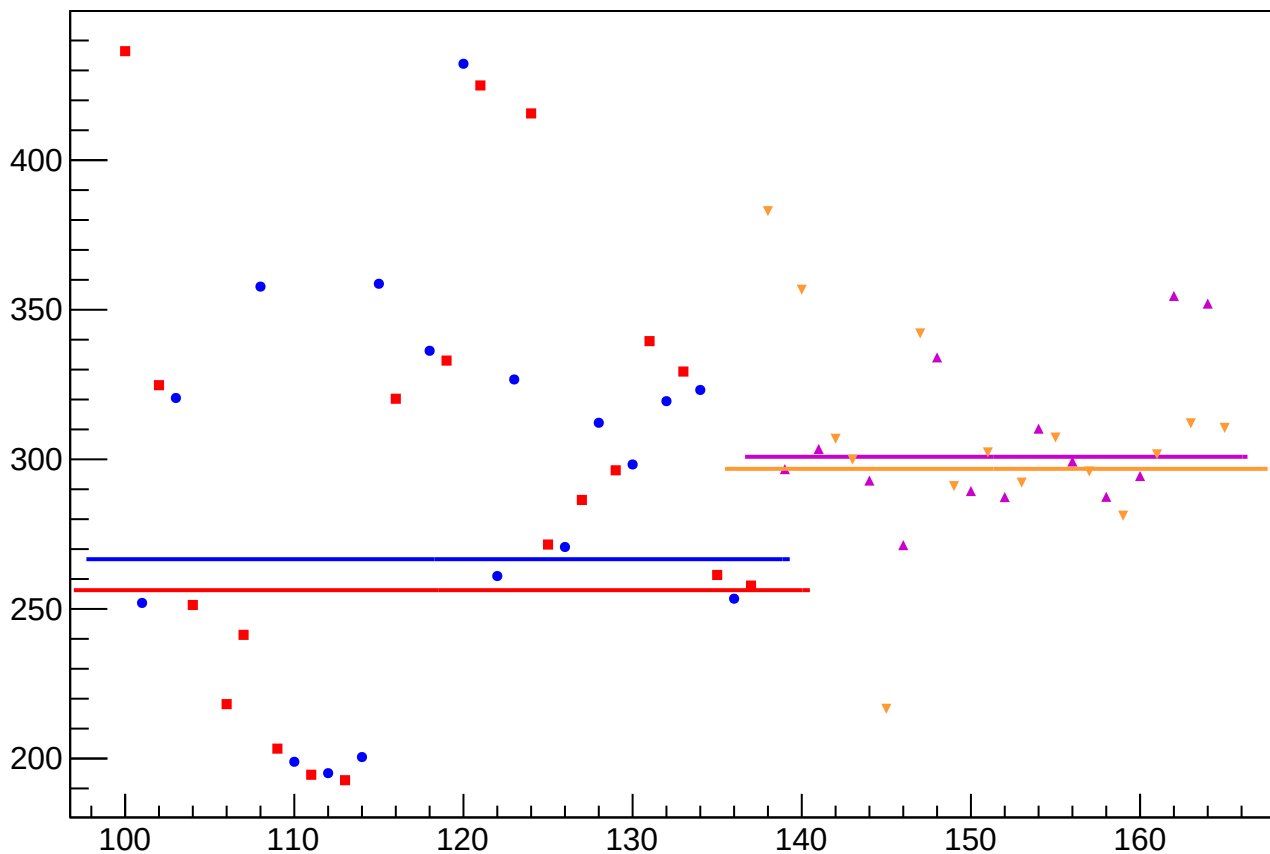
Right: 170.735 ± 72.286 $\chi^2/\text{NDF}: 33.4/35$

In: 200.356 ± 70.195 $\chi^2/\text{NDF}: 30.6/29$

Out: 256.342 ± 66.863 $\chi^2/\text{NDF}: 26.5/33$

All: 229.709 ± 48.415 $\chi^2/\text{NDF}: 57.5/63$

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.624 $\pm$ 0.074 χ^2 /NDF: 550752.5/16

Left Out: 296.828 $\pm$ 0.064 χ^2 /NDF:360901.7/14

Right Out: 256.268 $\pm$ 0.070 χ^2 /NDF: 696896.2/18

Left In: 300.855 $\pm$ 0.067 χ^2 /NDF:106109.7/12

Left: 298.759 $\pm$ 0.046 χ^2 /NDF: 468915.6/27

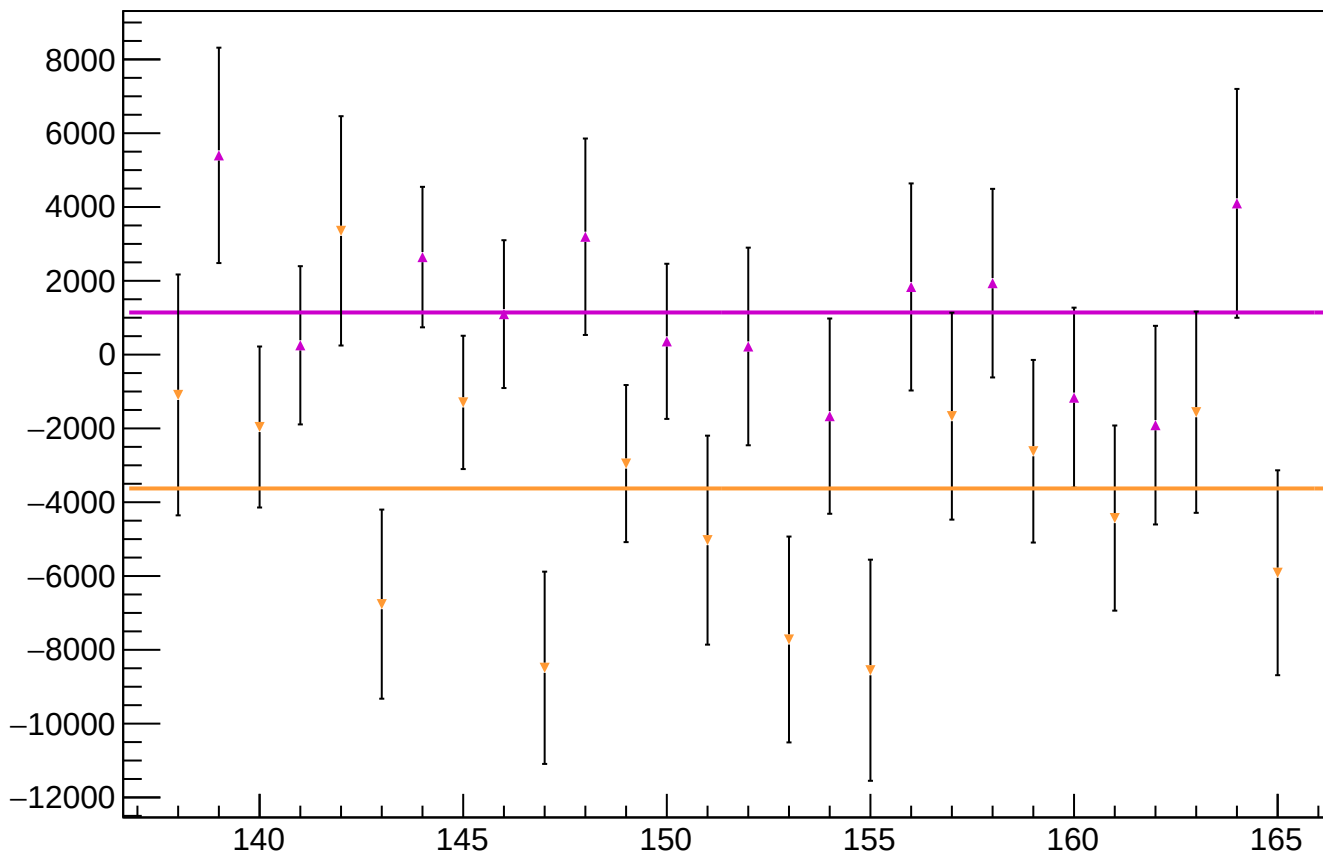
Right: 261.145 $\pm$ 0.051 χ^2 /NDF: 1257876.6/35

In: 285.654 $\pm$ 0.050 χ^2 /NDF:774273.6/29

Out: 278.468 $\pm$ 0.047 χ^2 /NDF:1240133.9/33

All: 281.886 $\pm$ 0.034 χ^2 /NDF: 2025397.0/63

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3627.236+/-657.581 χ^2/NDF :20.1/14

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

Left In: 1141.877+/-674.172 χ^2/NDF :8.2/12

Left: -1302.084+/-470.736 χ^2/NDF : 53.9/27

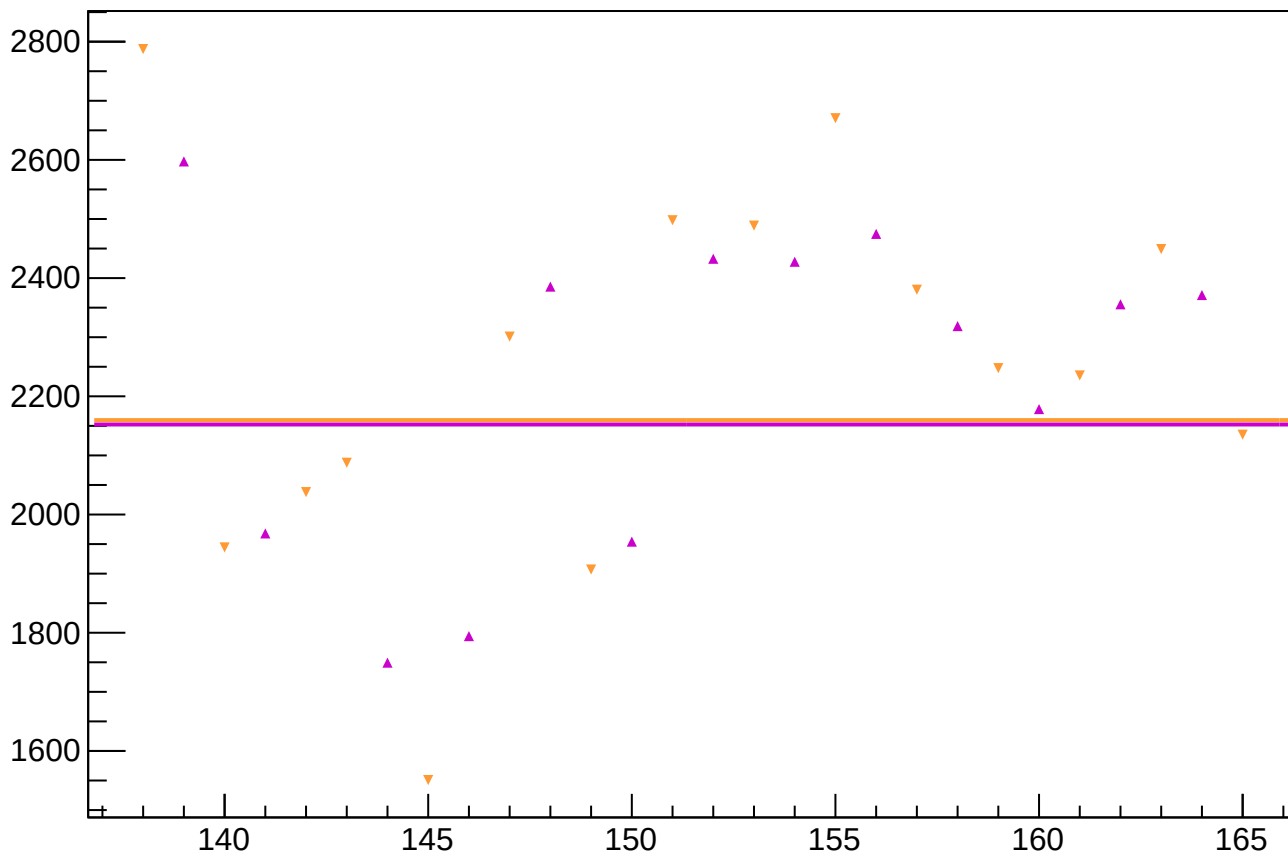
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1141.877+/-674.172 χ^2/NDF :8.2/12

Out: -3627.236+/-657.581 χ^2/NDF :20.1/14

All: -1302.084+/-470.736 χ^2/NDF : 53.9/27

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2159.730+/-0.465 χ^2/NDF :513437.9/14

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

Left In: 2152.328+/-0.477 χ^2/NDF :348058.8/12

Left: 2156.121+/-0.333 χ^2/NDF : 861620.3/27

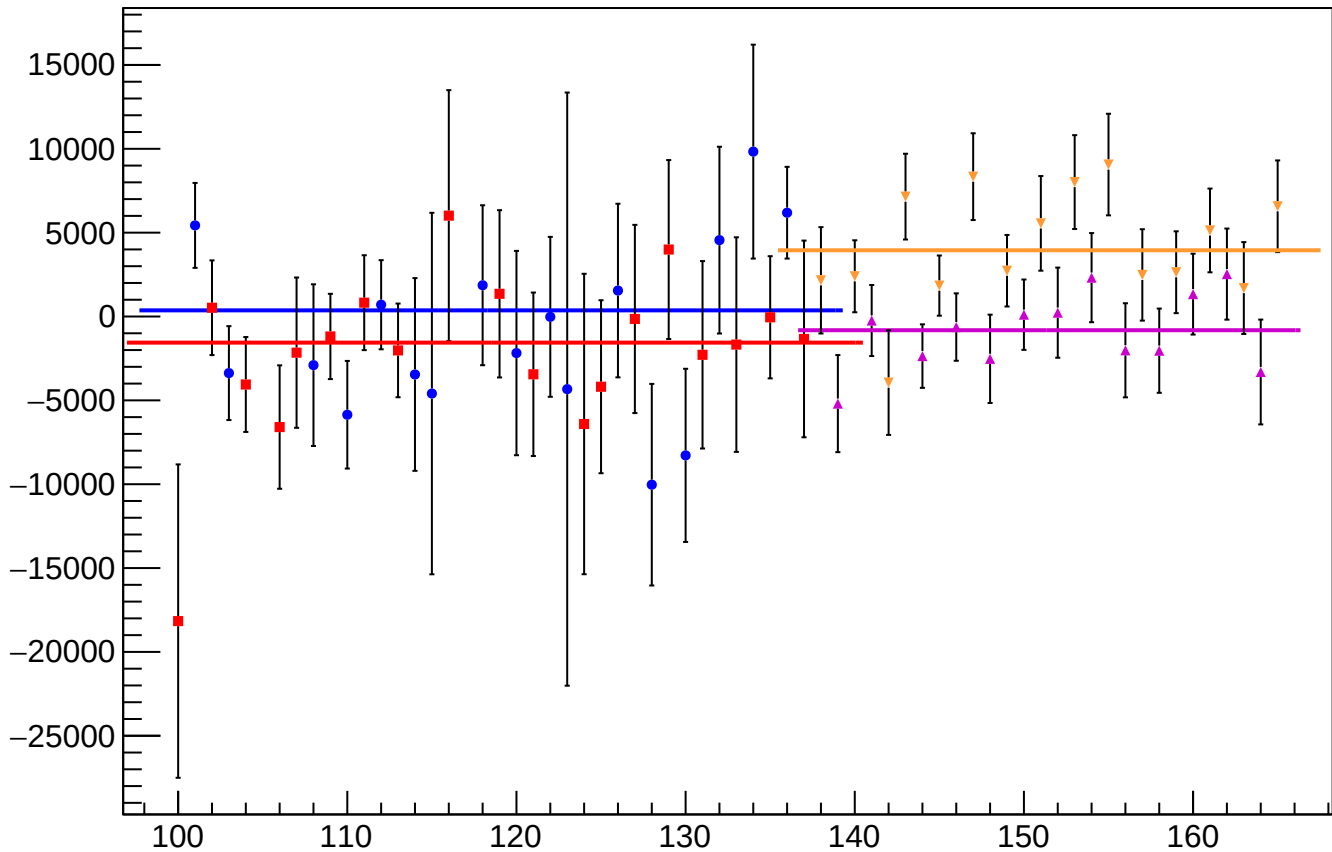
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2152.328+/-0.477 χ^2/NDF :348058.8/12

Out: 2159.730+/-0.465 χ^2/NDF :513437.9/14

All: 2156.121+/-0.333 χ^2/NDF : 861620.3/27

asym_sam4_mean vs Slug, Sign Corrected



Right In: 366.454 ± 992.480 χ^2/NDF : 24.2/16

Left Out: 3948.867 ± 653.075 χ^2/NDF : 21.1/14

Right Out: -1557.388 ± 924.003 χ^2/NDF : 10.5/18

Left In: -817.981 ± 671.873 χ^2/NDF : 8.6/12

Left: 1633.061 ± 468.298 χ^2/NDF : 55.5/27

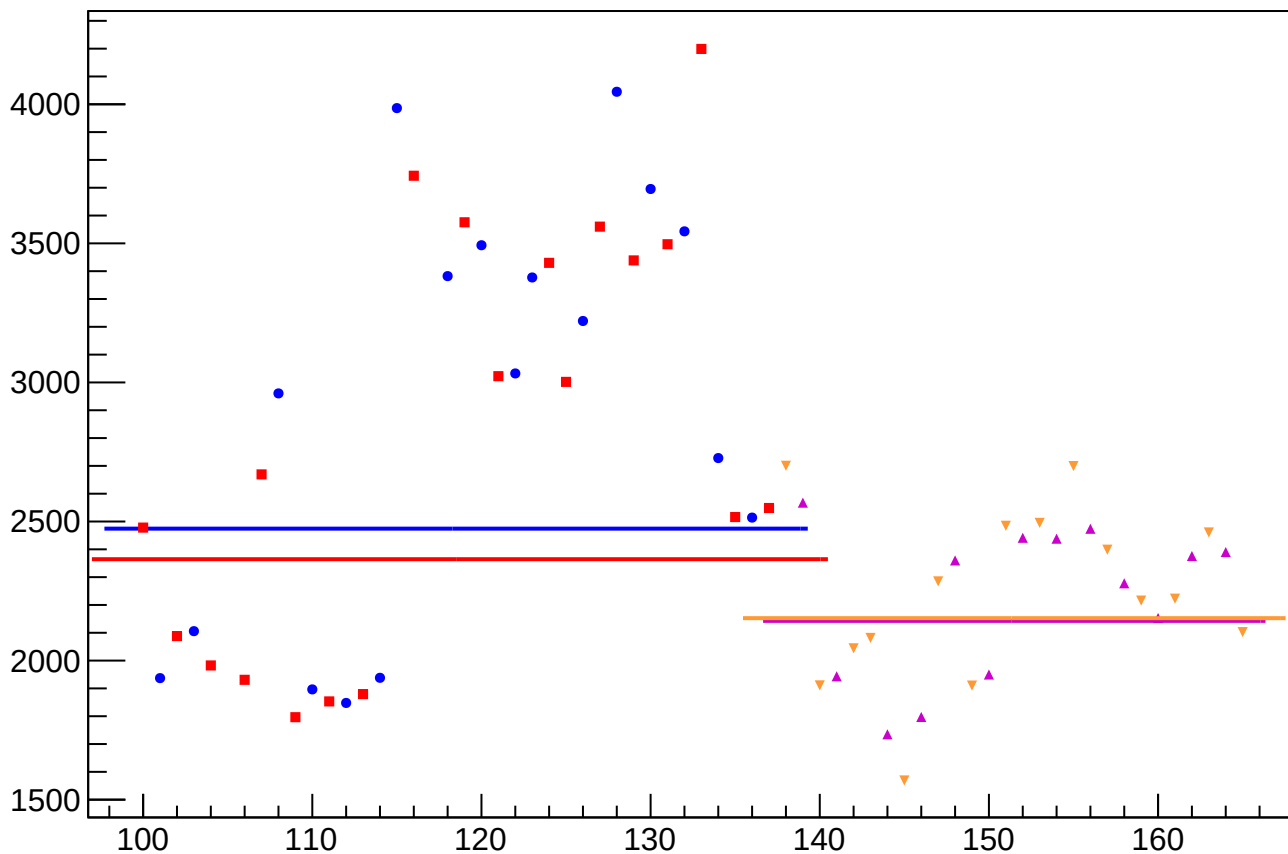
Right: -664.120 ± 676.282 χ^2/NDF : 36.7/35

In: -445.760 ± 556.374 χ^2/NDF : 33.7/29

Out: 2114.549 ± 533.313 χ^2/NDF : 55.3/33

All: 888.553 ± 385.004 χ^2/NDF : 100.0/63

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2474.389 $\pm$ 0.702 χ^2 /NDF: 906262.1/16

Left Out: 2152.528 $\pm$ 0.462 χ^2 /NDF: 499456.9/14

Right Out: 2364.507 $\pm$ 0.653 χ^2 /NDF: 1023402.8/18

Left In: 2142.852 $\pm$ 0.475 χ^2 /NDF: 353477.4/12

Left: 2147.827 $\pm$ 0.331 χ^2 /NDF: 853147.6/27

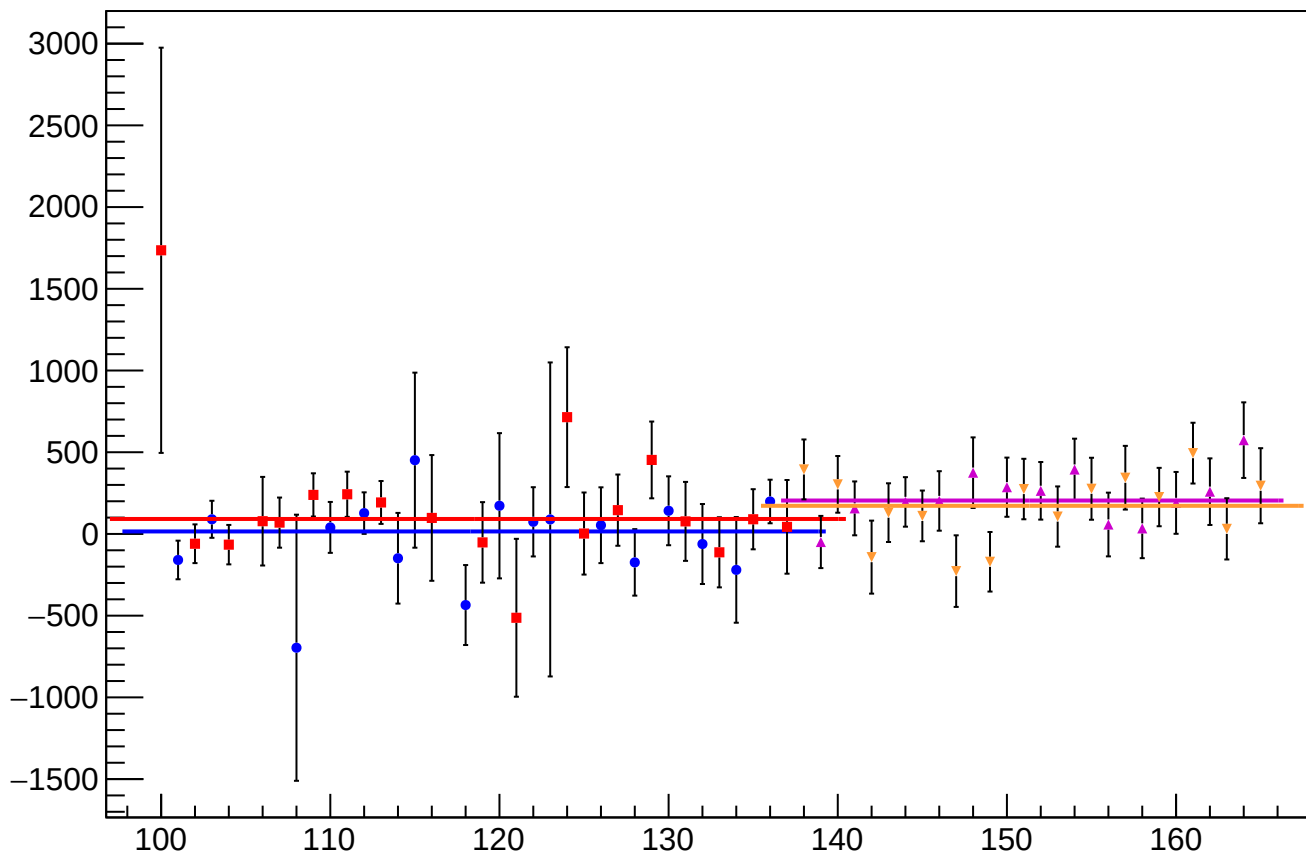
Right: 2415.527 $\pm$ 0.478 χ^2 /NDF: 1942797.3/35

In: 2247.041 $\pm$ 0.393 χ^2 /NDF: 1412781.0/29

Out: 2223.145 $\pm$ 0.377 χ^2 /NDF: 1593055.2/33

All: 2234.588 $\pm$ 0.272 χ^2 /NDF: 3007758.8/63

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 15.303+/-46.443 χ^2/NDF : 12.6/16

Left Out: 172.159+/-48.395 χ^2/NDF :16.6/14

Right Out: 91.634+/-43.318 χ^2/NDF : 15.7/18

Left In: 204.560+/-50.692 χ^2/NDF :8.6/12

Left: 187.609+/-35.004 χ^2/NDF : 25.4/27

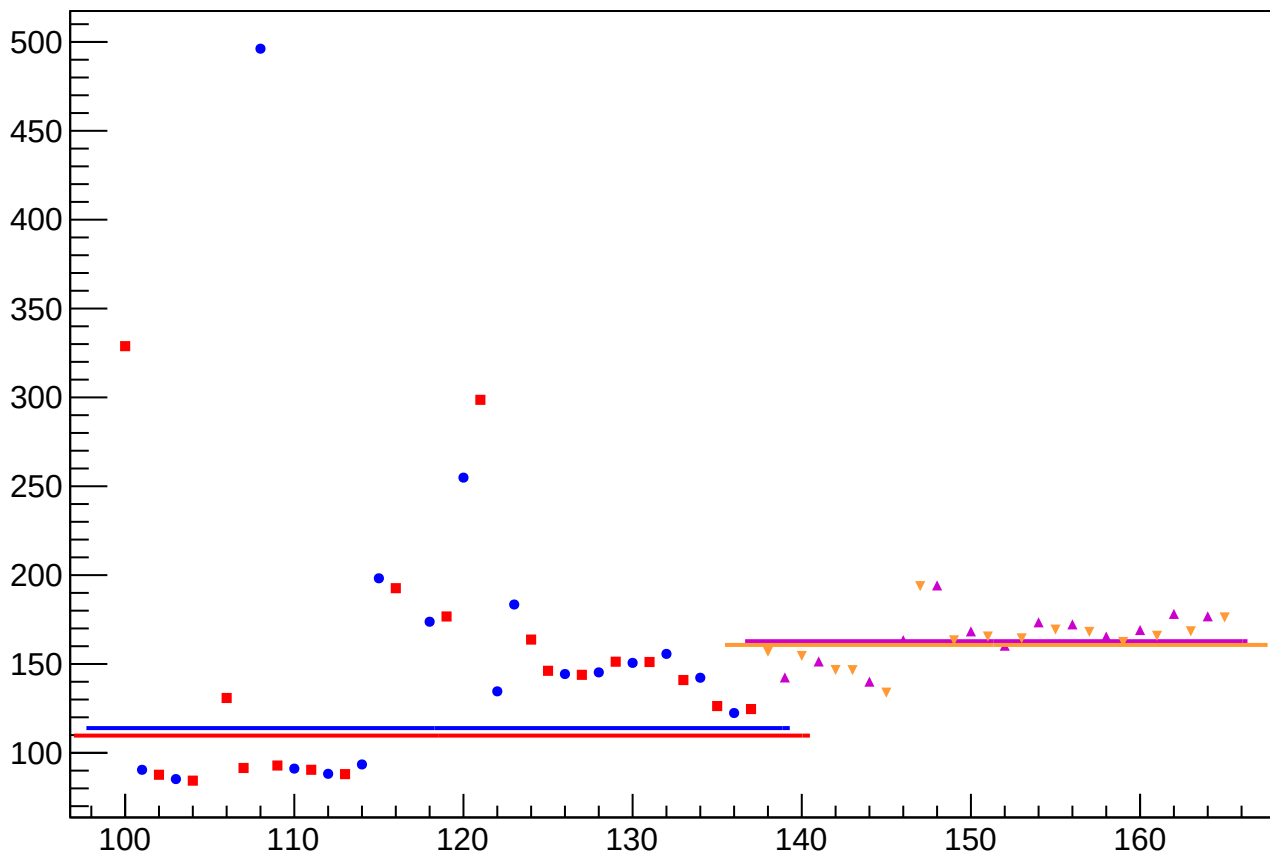
Right: 56.123+/-31.678 χ^2/NDF : 29.7/35

In: 101.670+/-34.244 χ^2/NDF :28.8/29

Out: 127.453+/-32.277 χ^2/NDF :33.8/33

All: 115.323+/-23.488 χ^2/NDF : 62.8/63

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.932 $\pm$ 0.033 χ^2 /NDF: 1407849.3/16

Left Out: 160.727 $\pm$ 0.034 χ^2 /NDF:152924.9/14

Right Out: 109.709 $\pm$ 0.031 χ^2 /NDF: 1242014.6/18

Left In: 162.829 $\pm$ 0.036 χ^2 /NDF:164231.1/12

Left: 161.729 $\pm$ 0.025 χ^2 /NDF: 318955.7/27

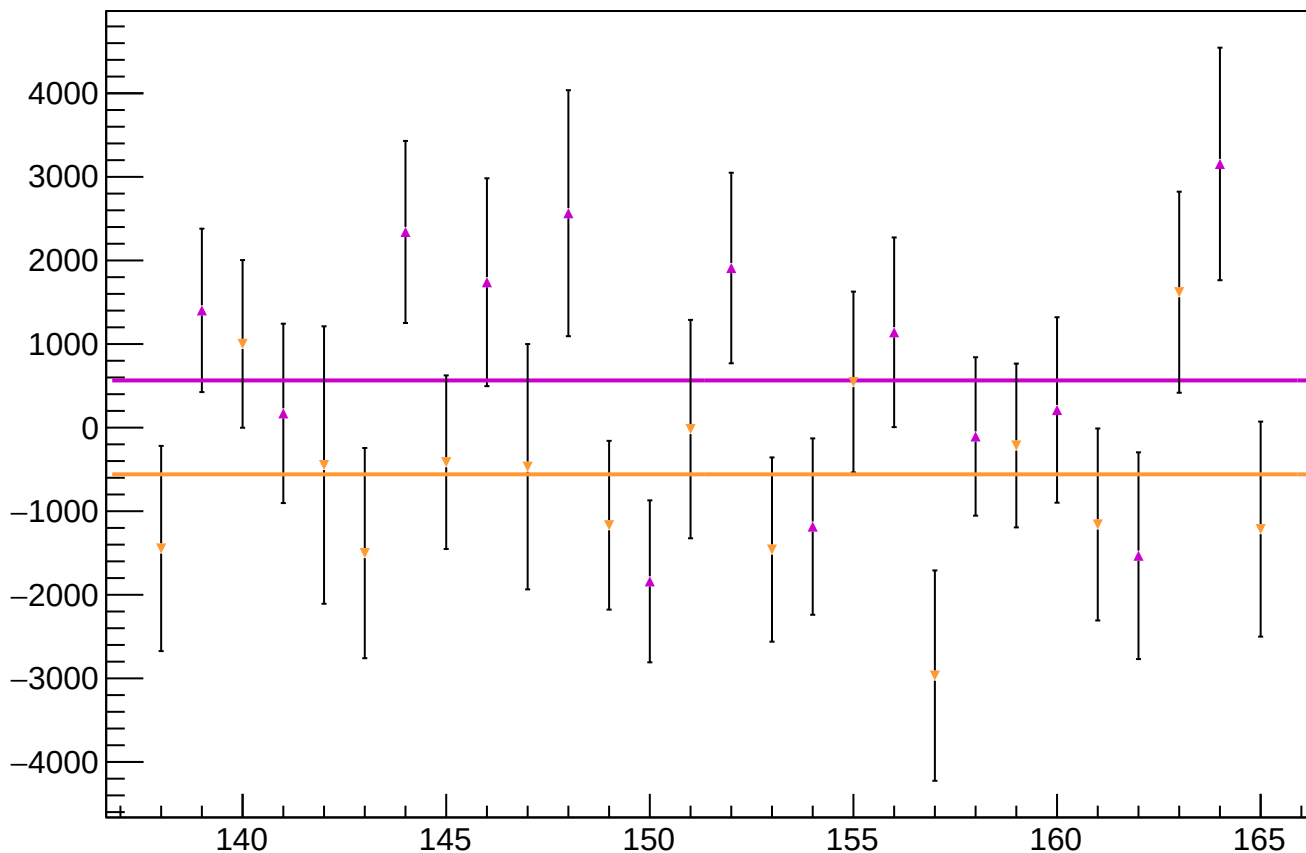
Right: 111.674 $\pm$ 0.022 χ^2 /NDF: 2658703.6/35

In: 136.246 $\pm$ 0.024 χ^2 /NDF:2583782.8/29

Out: 132.403 $\pm$ 0.023 χ^2 /NDF:2628917.2/33

All: 134.211 $\pm$ 0.017 χ^2 /NDF: 5226040.4/63

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -558.782+/-301.297 χ^2/NDF :13.4/14

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

Left In: 564.665+/-309.005 χ^2/NDF :23.8/12

Left: -11.245+/-215.723 χ^2/NDF : 43.9/27

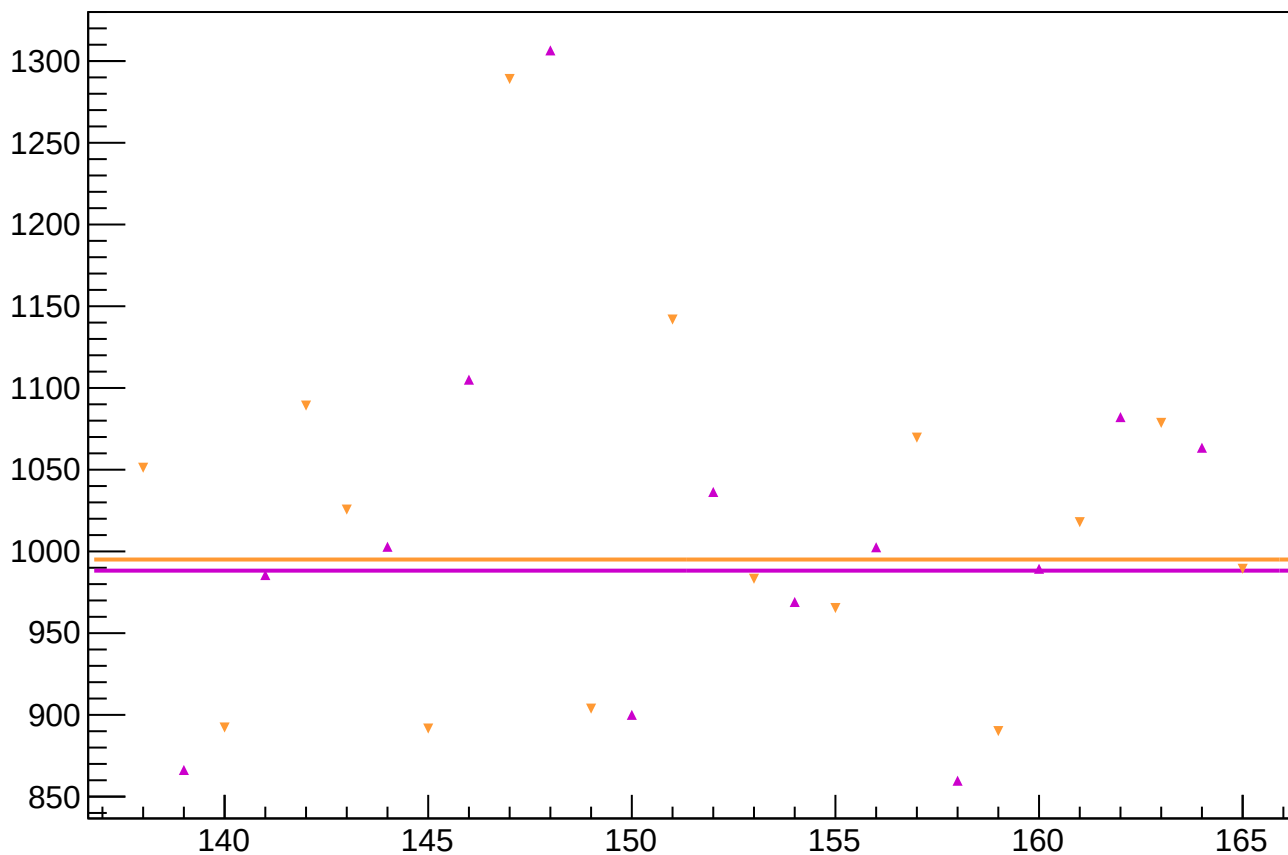
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 564.665+/-309.005 χ^2/NDF :23.8/12

Out: -558.782+/-301.297 χ^2/NDF :13.4/14

All: -11.245+/-215.723 χ^2/NDF : 43.9/27

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 995.052+/-0.213 χ^2/NDF :216662.6/14

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

Left In: 988.244+/-0.218 χ^2/NDF :217989.8/12

Left: 991.734+/-0.153 χ^2/NDF : 435150.1/27

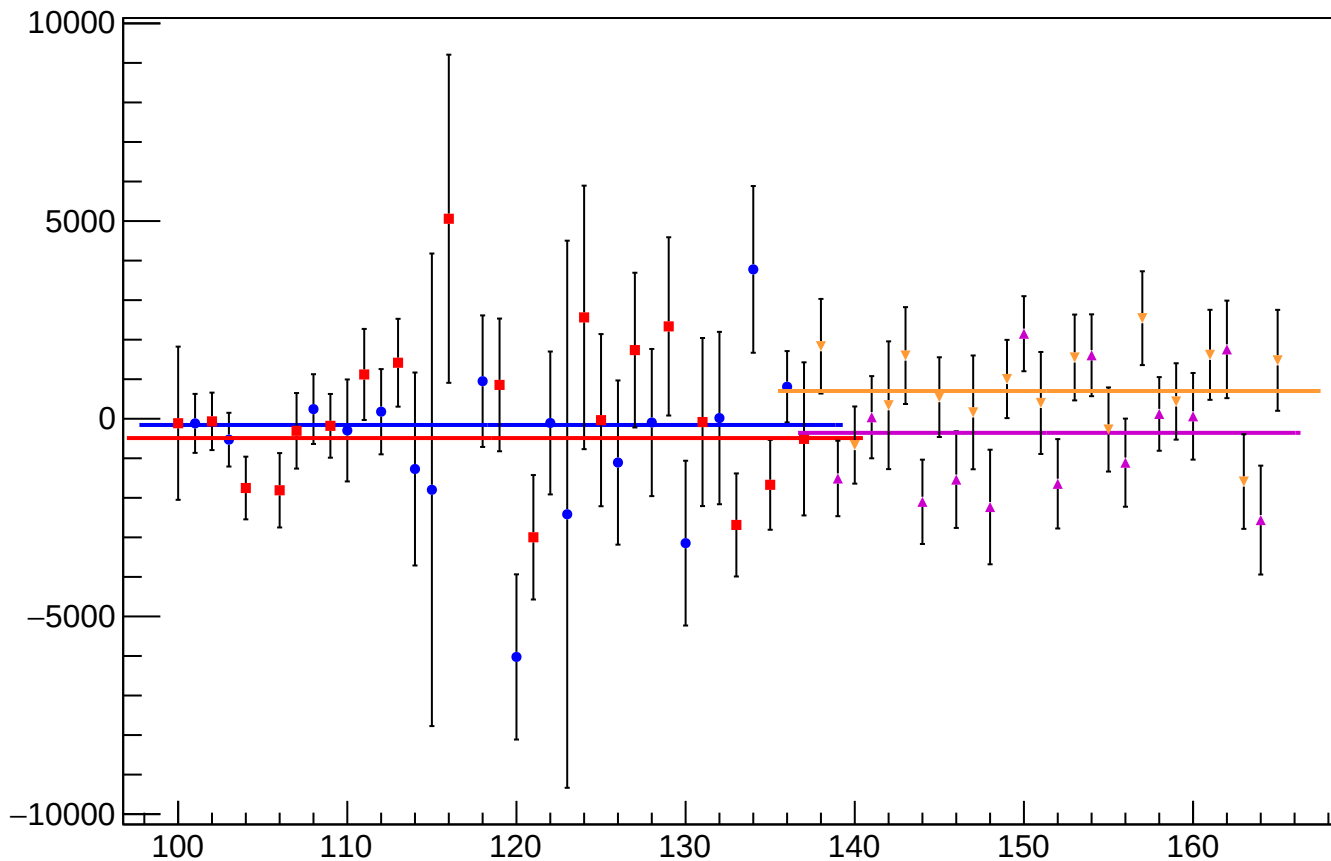
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 988.244+/-0.218 χ^2/NDF :217989.8/12

Out: 995.052+/-0.213 χ^2/NDF :216662.6/14

All: 991.734+/-0.153 χ^2/NDF : 435150.1/27

asym_sam5_mean vs Slug, Sign Corrected



Right In: -157.178+/-312.499 χ^2/NDF : 16.2/16

Left Out: 701.571+/-295.047 χ^2/NDF :12.4/14

Right Out: -488.583+/-282.758 χ^2/NDF : 22.6/18

Left In: -356.544+/-303.586 χ^2/NDF :25.1/12

Left: 187.603+/-211.584 χ^2/NDF : 43.7/27

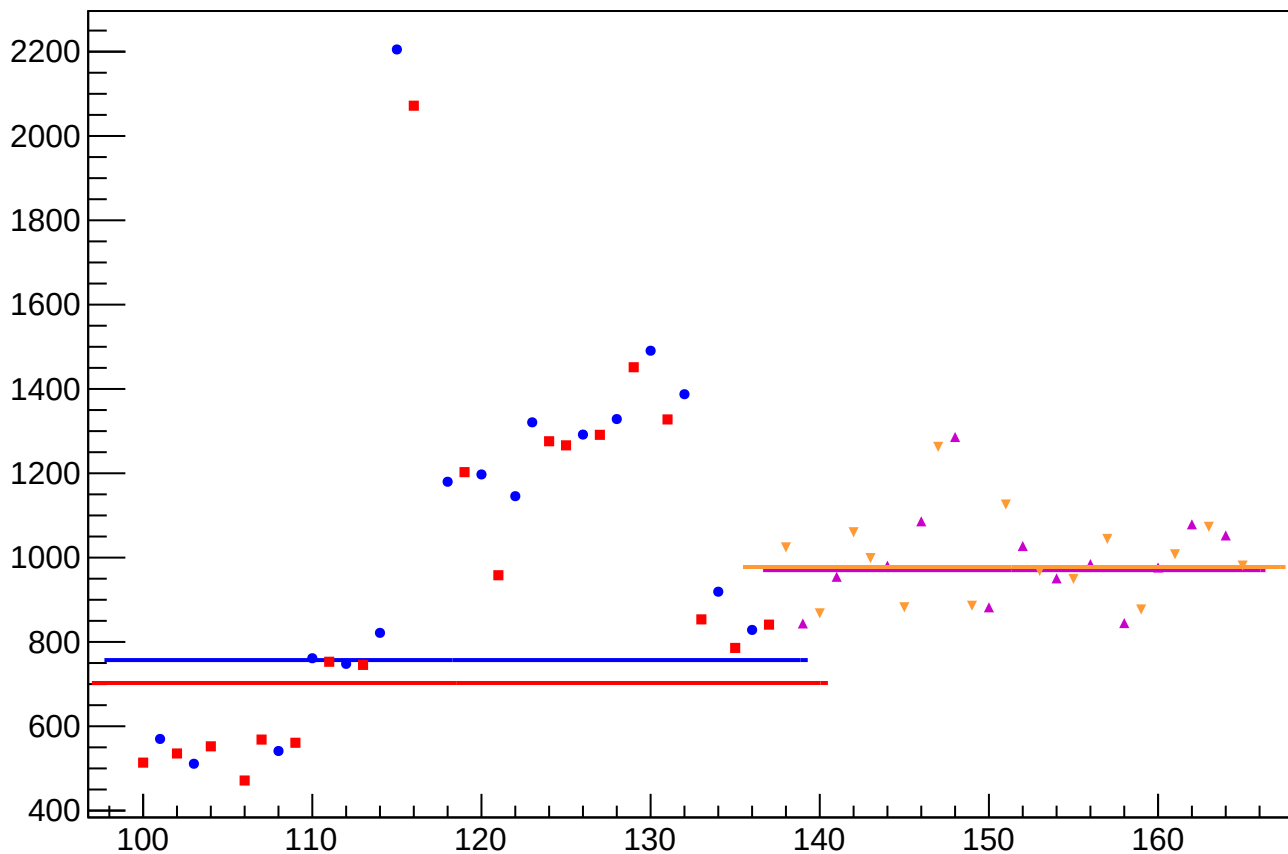
Right: -339.397+/-209.669 χ^2/NDF : 39.5/35

In: -259.745+/-217.751 χ^2/NDF :41.6/29

Out: 81.193+/-204.147 χ^2/NDF :43.5/33

All: -78.294+/-148.931 χ^2/NDF : 86.4/63

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.985 $\pm$ 0.221 χ^2 /NDF: 1711285.9/16

Left Out: 977.691 $\pm$ 0.209 χ^2 /NDF: 218018.2/14

Right Out: 702.656 $\pm$ 0.200 χ^2 /NDF: 1689579.7/18

Left In: 970.269 $\pm$ 0.215 χ^2 /NDF: 231162.0/12

Left: 974.086 $\pm$ 0.150 χ^2 /NDF: 449794.9/27

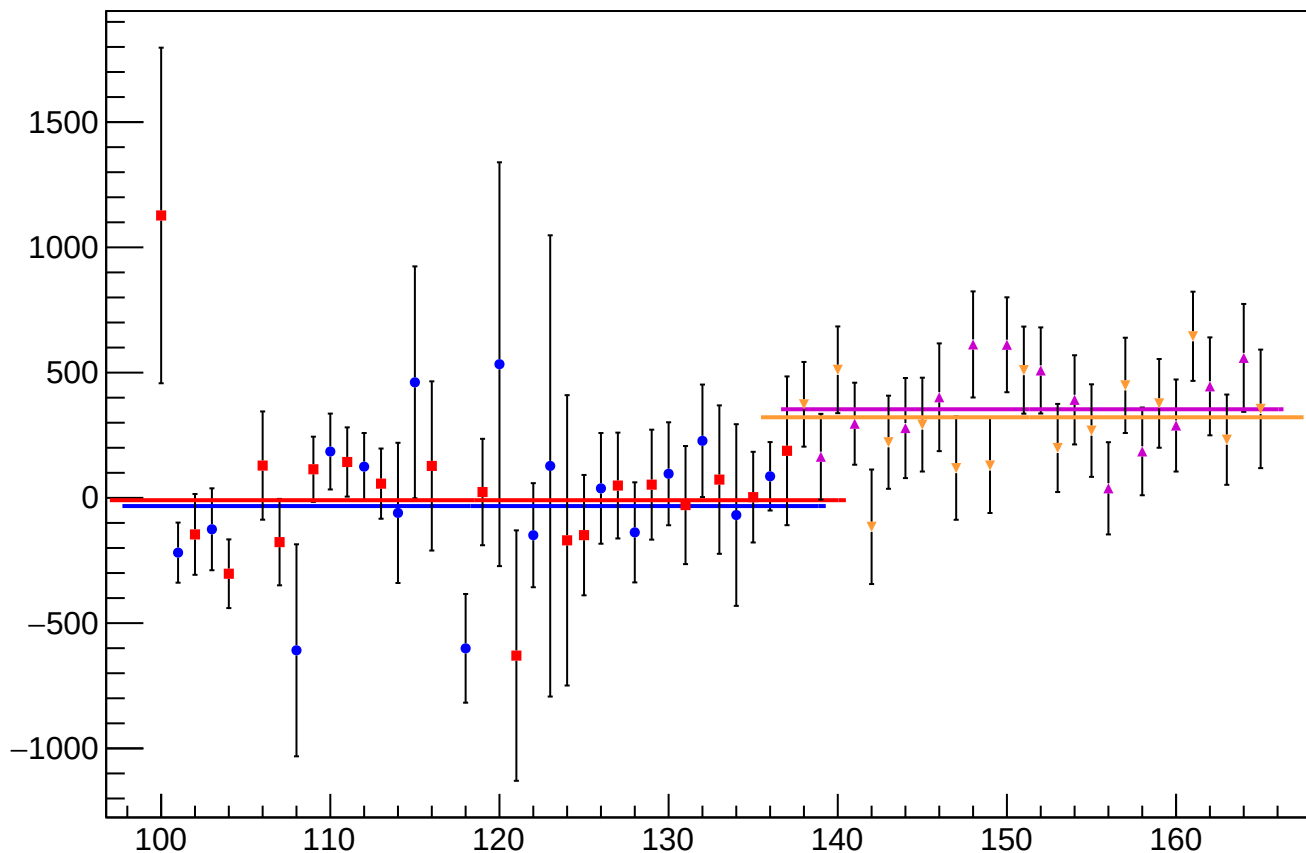
Right: 727.113 $\pm$ 0.148 χ^2 /NDF: 3434103.1/35

In: 866.712 $\pm$ 0.154 χ^2 /NDF: 2421743.3/29

Out: 834.327 $\pm$ 0.144 χ^2 /NDF: 2813487.1/33

All: 849.476 $\pm$ 0.105 χ^2 /NDF: 5258775.3/63

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.694 $\pm$ 48.431 χ^2/NDF : 19.7/16

Left Out: 321.695 $\pm$ 48.182 χ^2/NDF :13.1/14

Right Out: -9.277 $\pm$ 45.600 χ^2/NDF : 14.7/18

Left In: 353.738 $\pm$ 51.764 χ^2/NDF :10.9/12

Left: 336.569 $\pm$ 35.268 χ^2/NDF : 24.2/27

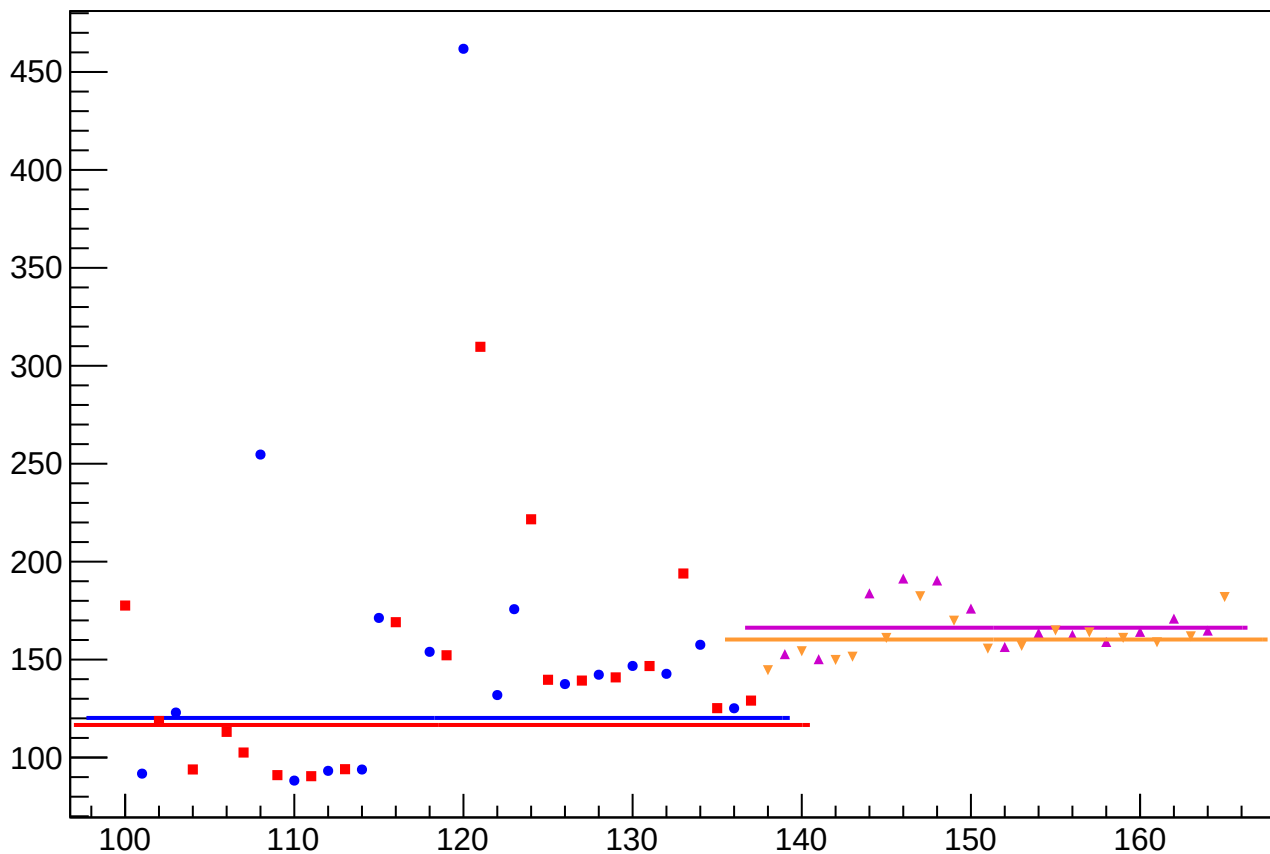
Right: -20.281 $\pm$ 33.200 χ^2/NDF : 34.6/35

In: 147.682 $\pm$ 35.366 χ^2/NDF :60.3/29

Out: 147.101 $\pm$ 33.119 χ^2/NDF :52.7/33

All: 147.372 $\pm$ 24.174 χ^2/NDF : 113.0/63

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.207 $\pm$ 0.034 χ^2 /NDF: 1062326.6/16

Left Out: 160.250 $\pm$ 0.034 χ^2 /NDF: 77591.7/14

Right Out: 116.618 $\pm$ 0.032 χ^2 /NDF: 997956.6/18

Left In: 166.272 $\pm$ 0.037 χ^2 /NDF: 118368.6/12

Left: 163.046 $\pm$ 0.025 χ^2 /NDF: 210462.3/27

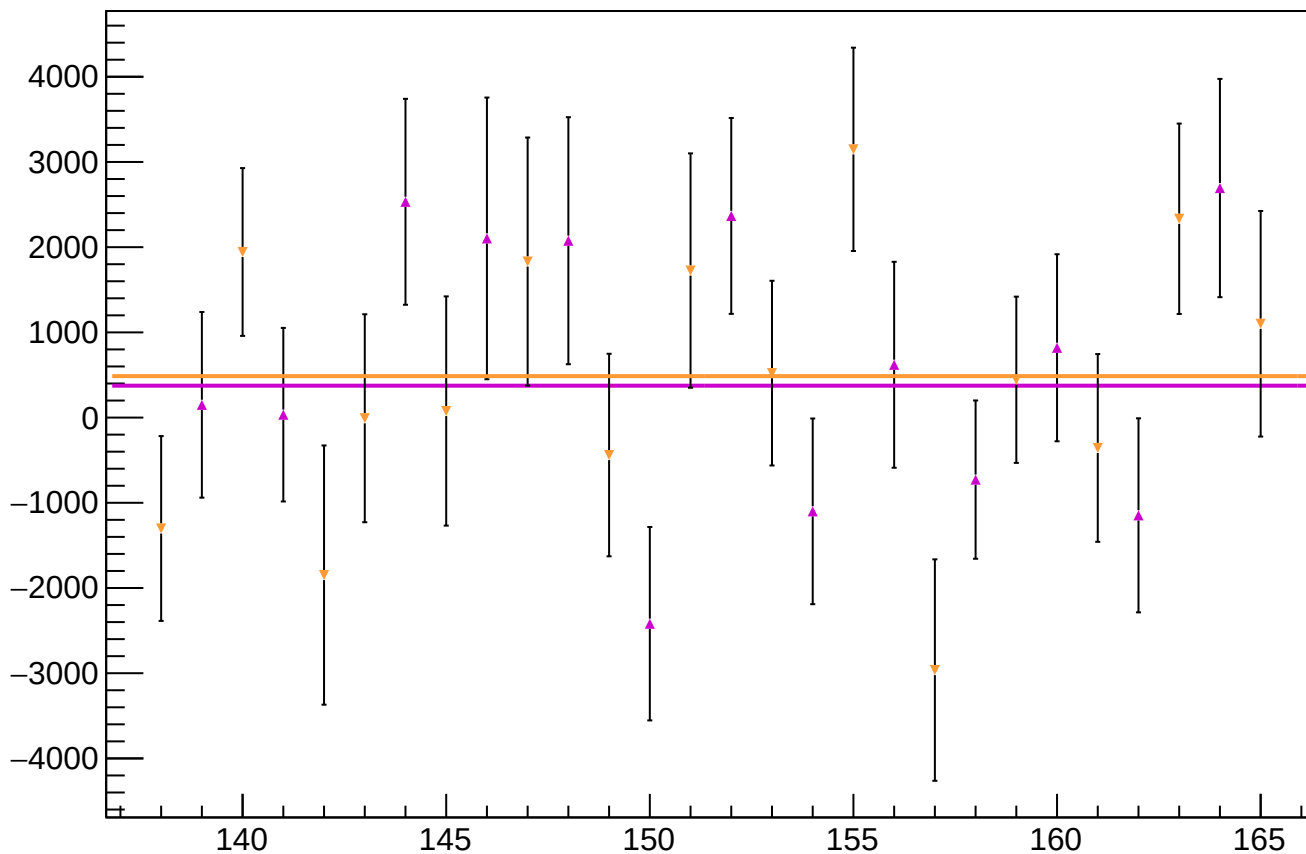
Right: 118.304 $\pm$ 0.023 χ^2 /NDF: 2066104.2/35

In: 141.709 $\pm$ 0.025 χ^2 /NDF: 2025266.5/29

Out: 137.233 $\pm$ 0.023 χ^2 /NDF: 1940730.5/33

All: 139.324 $\pm$ 0.017 χ^2 /NDF: 3983060.1/63

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 486.366+/-306.586 χ^2/NDF : 25.4/14

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

Left In: 374.468+/-320.047 χ^2/NDF : 23.4/12

Left: 432.820+/-221.395 χ^2/NDF : 48.8/27

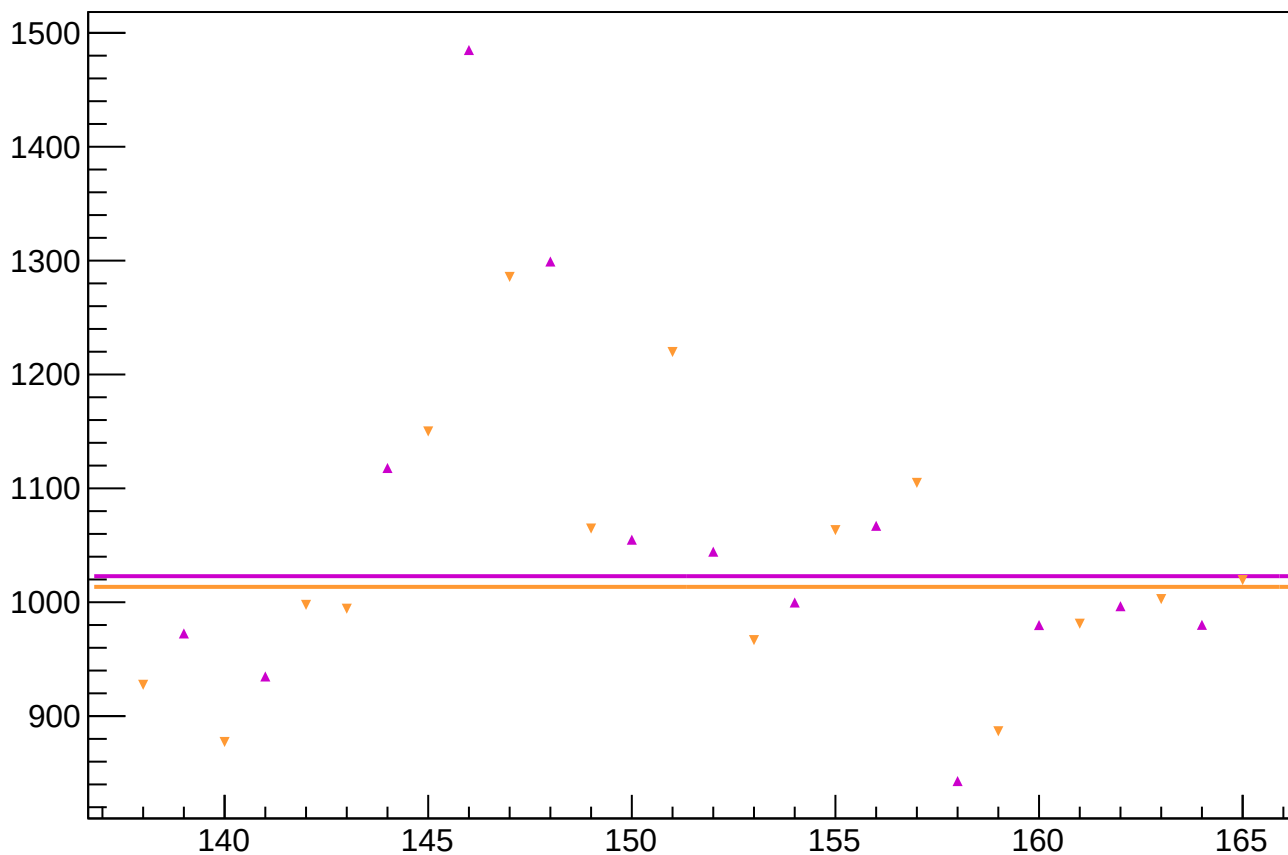
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 374.468+/-320.047 χ^2/NDF : 23.4/12

Out: 486.366+/-306.586 χ^2/NDF : 25.4/14

All: 432.820+/-221.395 χ^2/NDF : 48.8/27

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1013.493+/-0.217 χ^2/NDF :243635.3/14

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

Left In: 1022.879+/-0.226 χ^2/NDF :347815.7/12

Left: 1017.985+/-0.157 χ^2/NDF : 592348.1/27

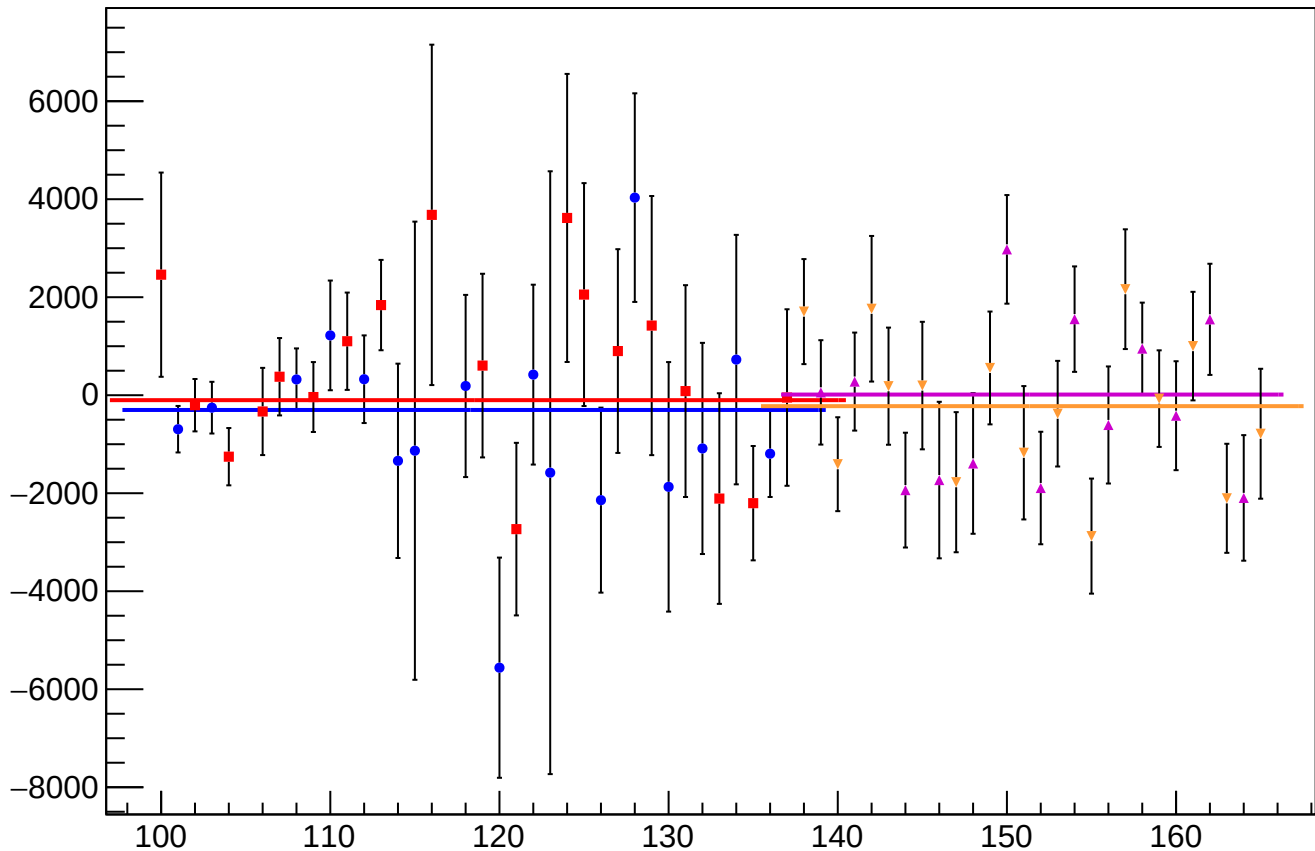
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1022.879+/-0.226 χ^2/NDF :347815.7/12

Out: 1013.493+/-0.217 χ^2/NDF :243635.3/14

All: 1017.985+/-0.157 χ^2/NDF : 592348.1/27

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.000 ± 250.042 $\chi^2/\text{NDF}: 16.8/16$

Left Out: -223.225 ± 302.005 $\chi^2/\text{NDF}: 22.1/14$

Right Out: -100.857 ± 245.981 $\chi^2/\text{NDF}: 22.5/18$

Left In: 13.399 ± 316.917 $\chi^2/\text{NDF}: 22.9/12$

Left: -110.611 ± 218.631 $\chi^2/\text{NDF}: 45.3/27$

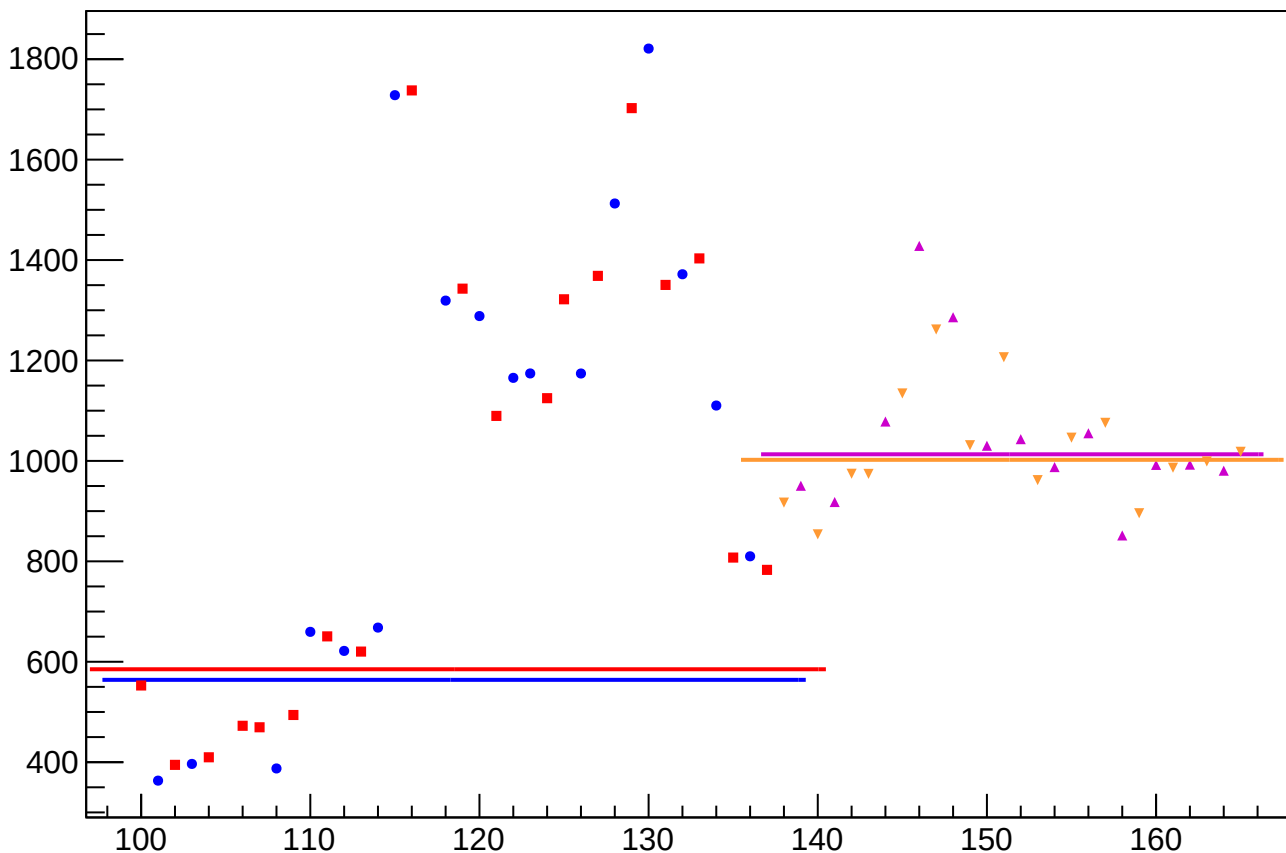
Right: -199.290 ± 175.353 $\chi^2/\text{NDF}: 39.7/35$

In: -180.376 ± 196.301 $\chi^2/\text{NDF}: 40.4/29$

Out: -149.660 ± 190.723 $\chi^2/\text{NDF}: 44.8/33$

All: -164.575 ± 136.791 $\chi^2/\text{NDF}: 85.1/63$

asym_sam6_rms vs Slug, Sign Corrected



Right In: 564.003 $\pm$ 0.177 χ^2 /NDF: 3261491.3/16

Left Out: 1002.158 $\pm$ 0.214 χ^2 /NDF: 232256.3/14

Right Out: 585.070 $\pm$ 0.174 χ^2 /NDF: 2820837.8/18

Left In: 1013.181 $\pm$ 0.224 χ^2 /NDF: 306029.2/12

Left: 1007.404 $\pm$ 0.155 χ^2 /NDF: 539553.5/27

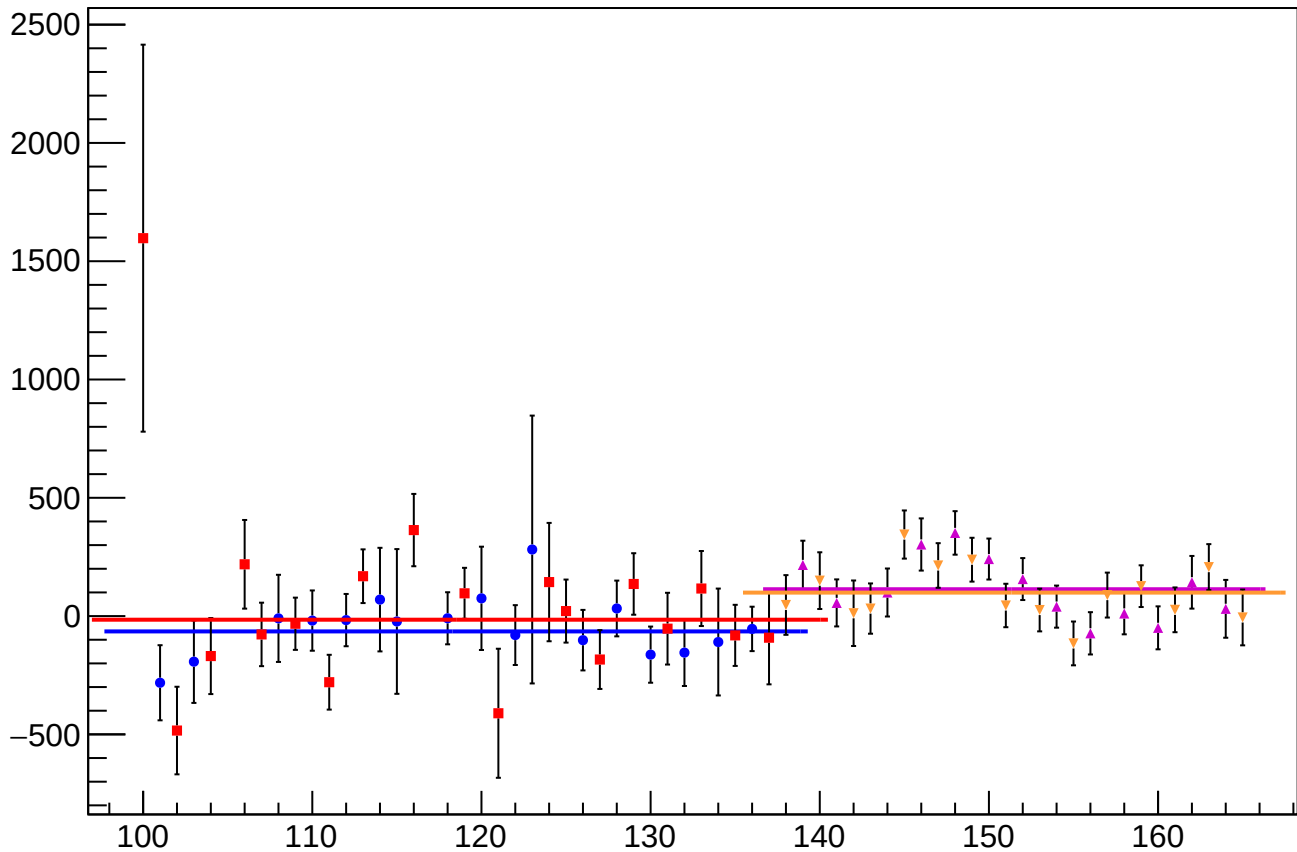
Right: 574.709 $\pm$ 0.124 χ^2 /NDF: 6089543.5/35

In: 736.337 $\pm$ 0.139 χ^2 /NDF: 6043752.6/29

Out: 751.413 $\pm$ 0.135 χ^2 /NDF: 5346399.5/33

All: 744.093 $\pm$ 0.097 χ^2 /NDF: 11396220.3/63

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.797 ± 34.629 χ^2/NDF : 6.2/16

Left Out: 99.248 ± 25.941 χ^2/NDF : 19.8/14

Right Out: -15.294 ± 33.422 χ^2/NDF : 35.0/18

Left In: 113.490 ± 26.689 χ^2/NDF : 23.6/12

Left: 106.167 ± 18.602 χ^2/NDF : 43.5/27

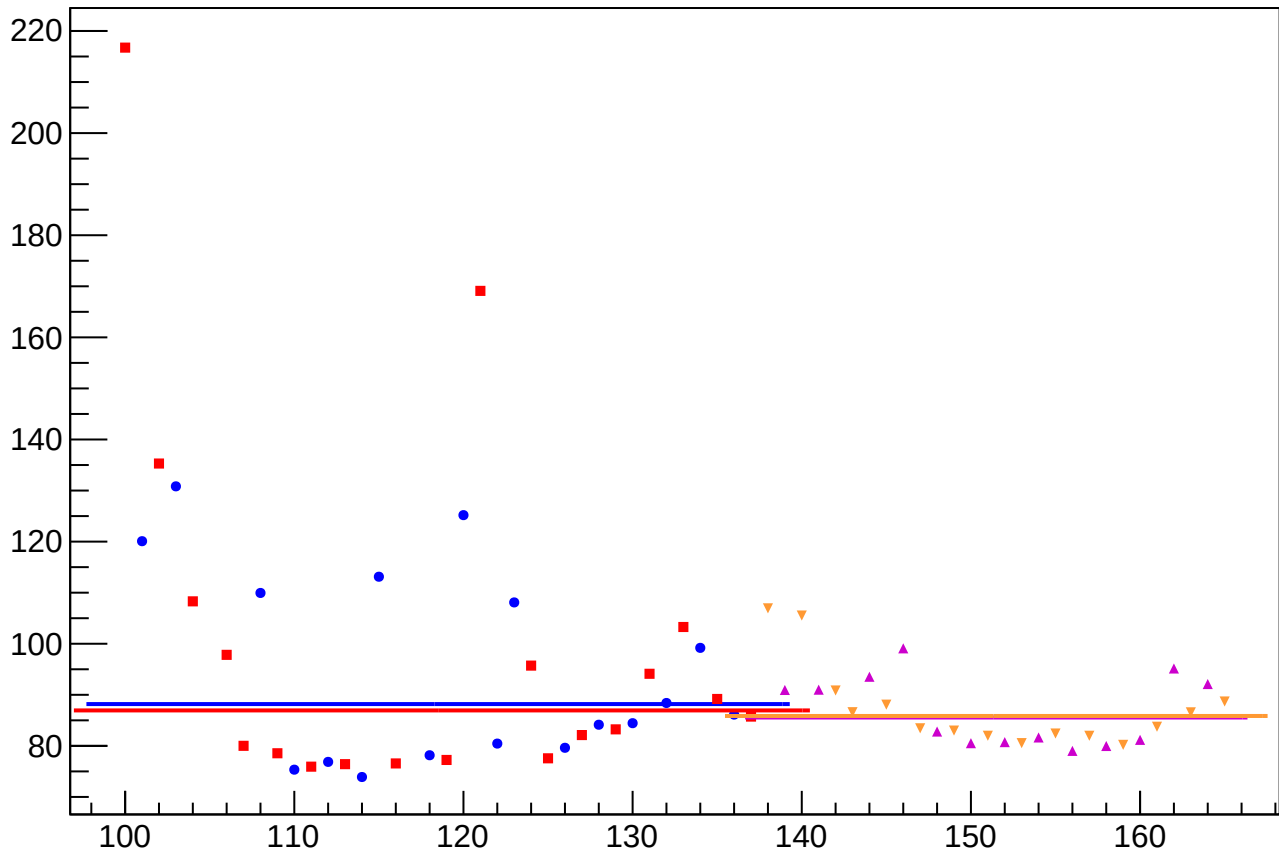
Right: -39.167 ± 24.048 χ^2/NDF : 42.2/35

In: 47.053 ± 21.139 χ^2/NDF : 46.3/29

Out: 56.185 ± 20.493 χ^2/NDF : 62.1/33

All: 51.761 ± 14.714 χ^2/NDF : 108.6/63

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 88.186 $\pm$ 0.024 χ^2 /NDF: 394447.7/16

Left Out: 85.856 $\pm$ 0.018 χ^2 /NDF:143602.1/14

Right Out: 86.943 $\pm$ 0.024 χ^2 /NDF: 531359.9/18

Left In: 85.554 $\pm$ 0.019 χ^2 /NDF:116353.3/12

Left: 85.709 $\pm$ 0.013 χ^2 /NDF: 260087.2/27

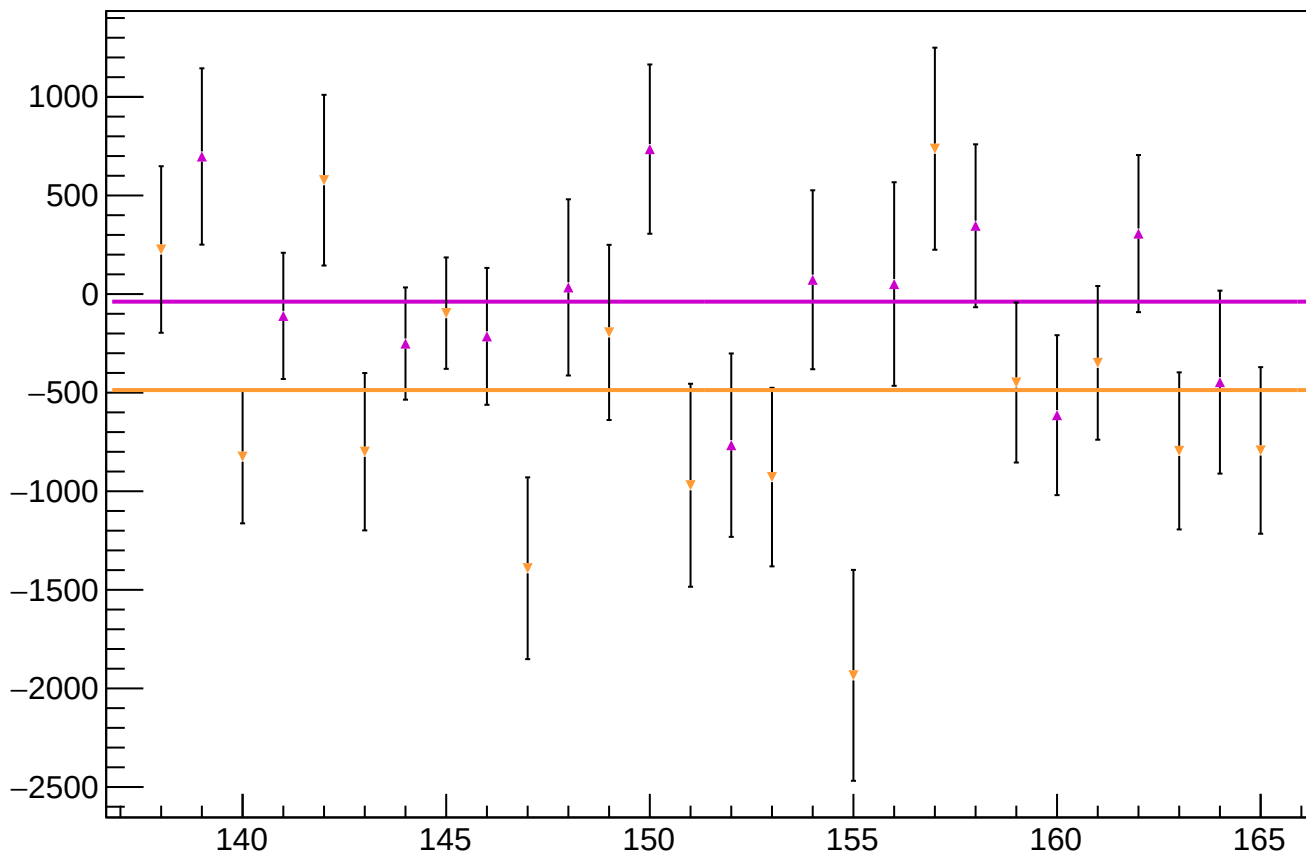
Right: 87.542 $\pm$ 0.017 χ^2 /NDF: 927142.1/35

In: 86.535 $\pm$ 0.015 χ^2 /NDF:518050.7/29

Out: 86.265 $\pm$ 0.014 χ^2 /NDF:676282.1/33

All: 86.395 $\pm$ 0.010 χ^2 /NDF: 1194501.1/63

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -486.947 $\pm$ 106.134 χ^2 /NDF:32.8/14

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

Left In: -38.478 $\pm$ 110.462 χ^2 /NDF:13.8/12

Left: -271.670 $\pm$ 76.532 χ^2 /NDF: 55.2/27

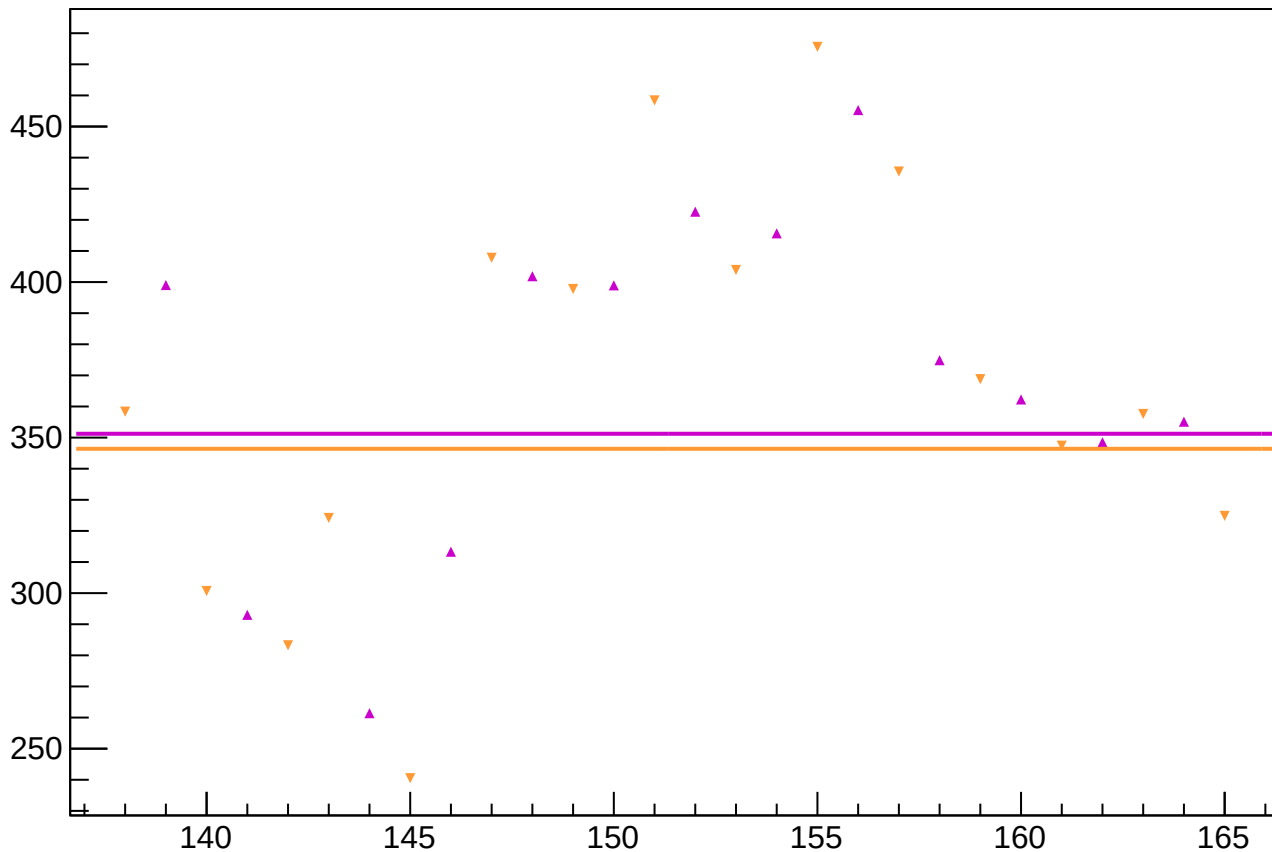
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -38.478 $\pm$ 110.462 χ^2 /NDF:13.8/12

Out: -486.947 $\pm$ 106.134 χ^2 /NDF:32.8/14

All: -271.670 $\pm$ 76.532 χ^2 /NDF: 55.2/27

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 346.405+/-0.075 χ^2/NDF : 747244.6/14

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

Left In: 351.236+/-0.078 χ^2/NDF : 539519.2/12

Left: 348.724+/-0.054 χ^2/NDF : 1288753.2/27

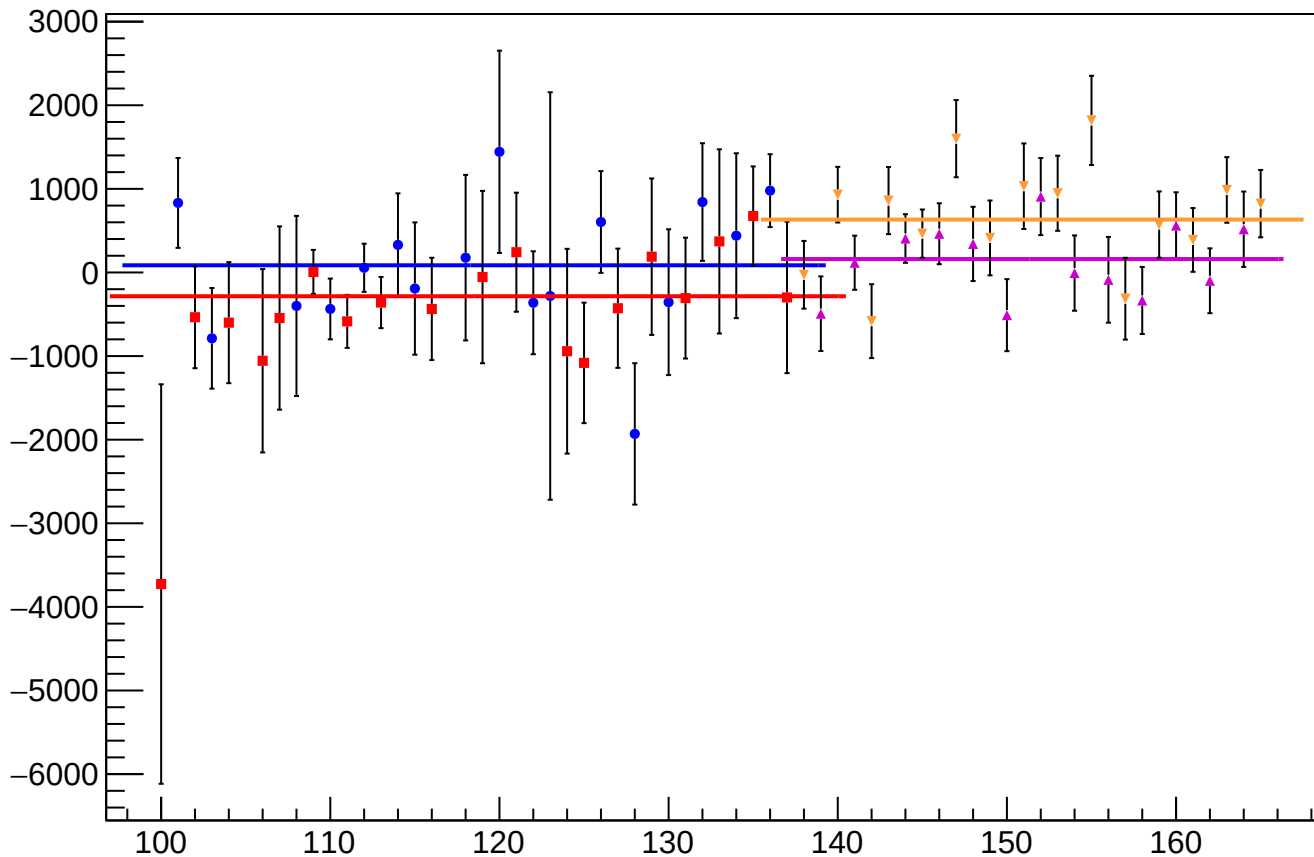
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 351.236+/-0.078 χ^2/NDF : 539519.2/12

Out: 346.405+/-0.075 χ^2/NDF : 747244.6/14

All: 348.724+/-0.054 χ^2/NDF : 1288753.2/27

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.810 ± 142.601 $\chi^2/\text{NDF}: 20.6/16$

Left Out: 632.596 ± 105.094 $\chi^2/\text{NDF}: 27.6/14$

Right Out: -284.456 ± 129.599 $\chi^2/\text{NDF}: 10.6/18$

Left In: 160.761 ± 110.458 $\chi^2/\text{NDF}: 12.8/12$

Left: 408.412 ± 76.138 $\chi^2/\text{NDF}: 49.9/27$

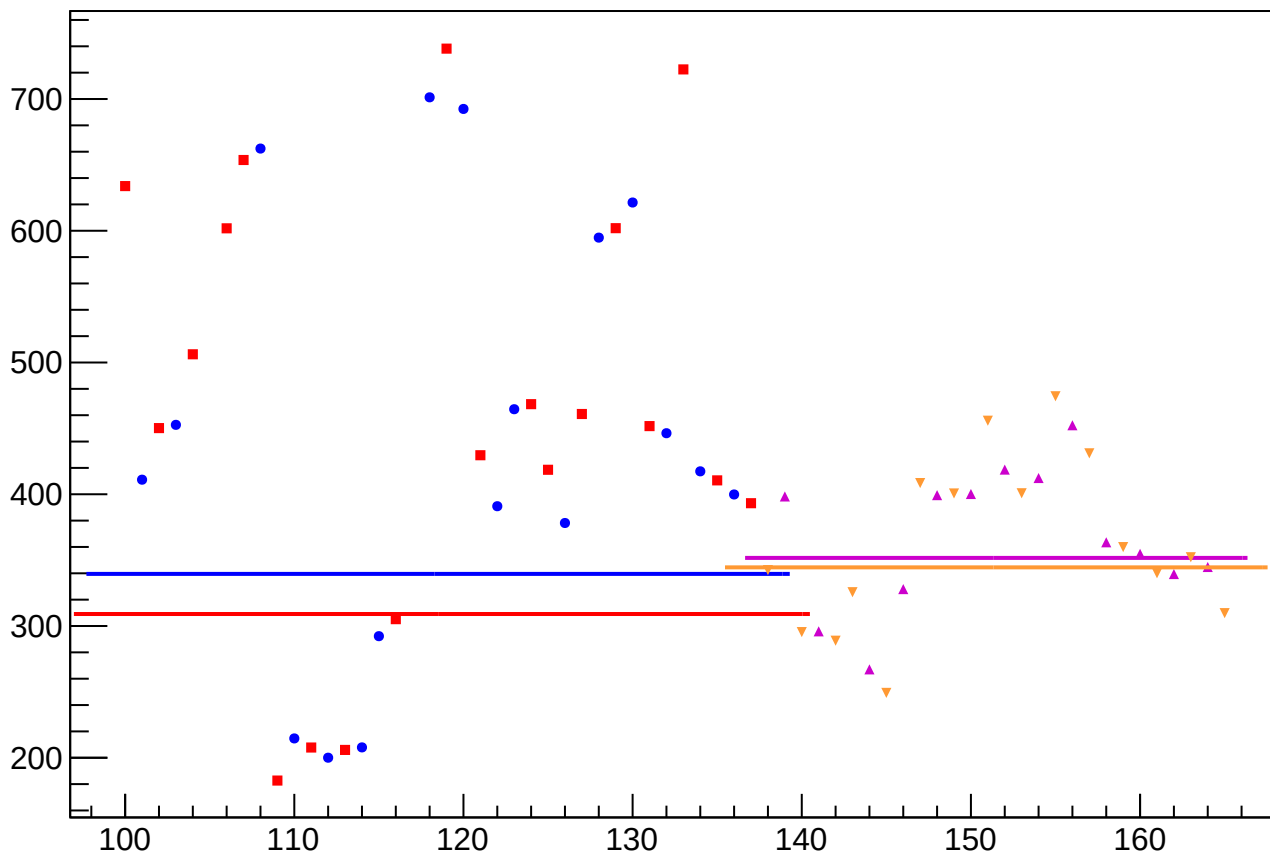
Right: -116.969 ± 95.908 $\chi^2/\text{NDF}: 34.9/35$

In: 132.655 ± 87.325 $\chi^2/\text{NDF}: 33.5/29$

Out: 268.788 ± 81.628 $\chi^2/\text{NDF}: 68.4/33$

All: 205.306 ± 59.632 $\chi^2/\text{NDF}: 103.2/63$

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.553 $\pm$ 0.101 χ^2 /NDF: 2042244.1/16

Left Out: 344.509 $\pm$ 0.074 χ^2 /NDF: 694070.0/14

Right Out: 309.105 $\pm$ 0.092 χ^2 /NDF: 2730308.7/18

Left In: 351.694 $\pm$ 0.078 χ^2 /NDF: 467310.3/12

Left: 347.923 $\pm$ 0.054 χ^2 /NDF: 1165822.2/27

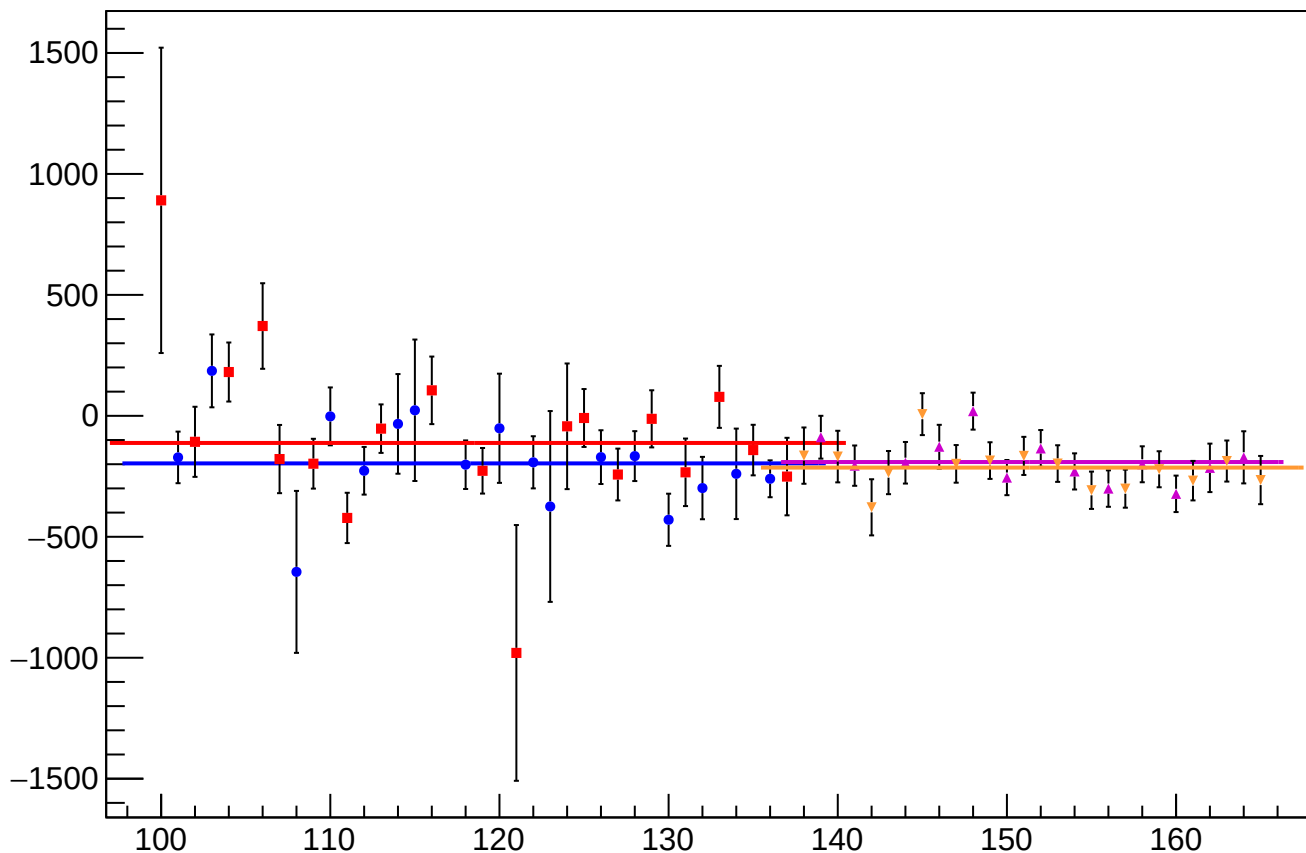
Right: 322.878 $\pm$ 0.068 χ^2 /NDF: 4822487.1/35

In: 347.141 $\pm$ 0.062 χ^2 /NDF: 2518615.9/29

Out: 330.463 $\pm$ 0.058 χ^2 /NDF: 3514420.4/33

All: 338.241 $\pm$ 0.042 χ^2 /NDF: 6071967.1/63

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.599 ± 30.399 χ^2/NDF : 19.0/16

Left Out: -213.964 ± 21.980 χ^2/NDF : 13.1/14

Right Out: -112.097 ± 29.622 χ^2/NDF : 39.3/18

Left In: -190.955 ± 22.582 χ^2/NDF : 16.3/12

Left: -202.770 ± 15.751 χ^2/NDF : 29.9/27

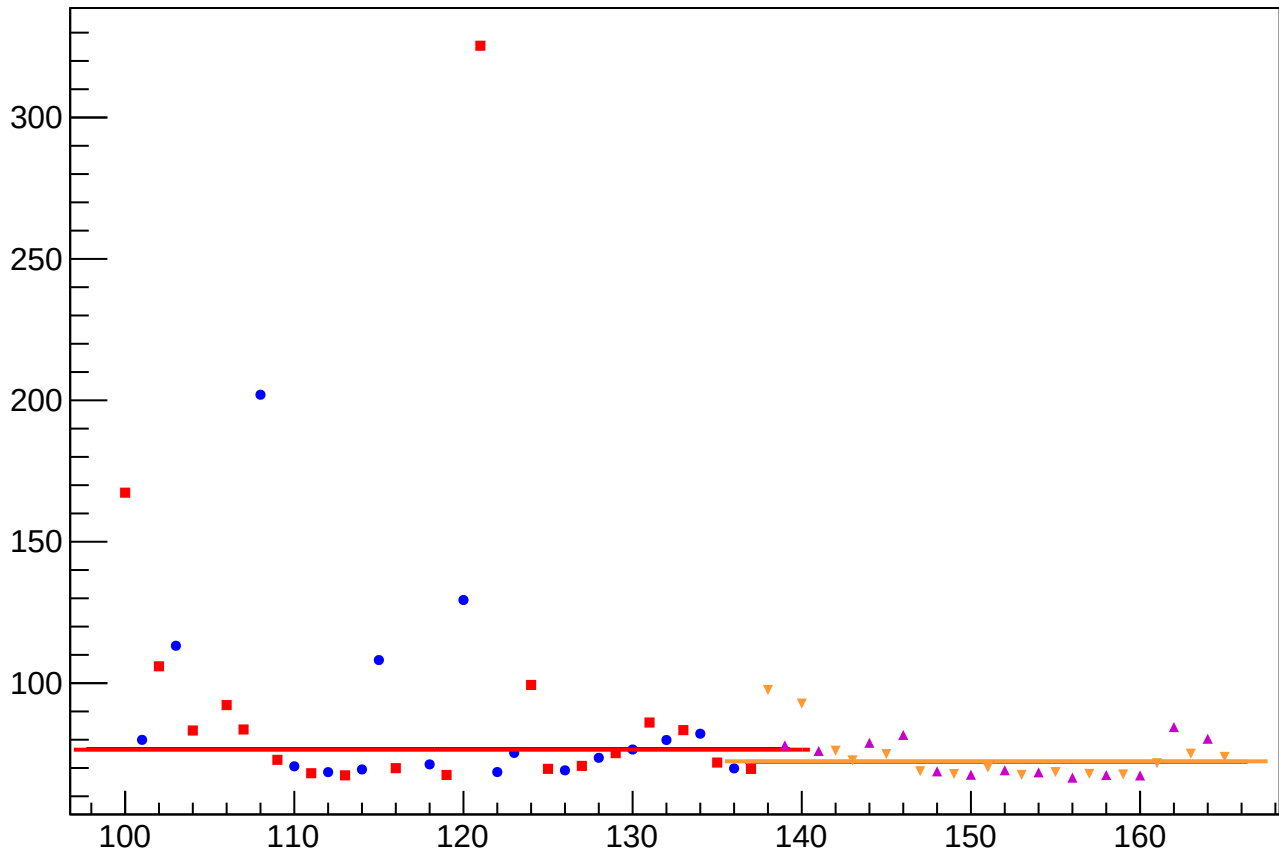
Right: -153.254 ± 21.215 χ^2/NDF : 62.3/35

In: -192.962 ± 18.128 χ^2/NDF : 35.4/29

Out: -177.793 ± 17.651 χ^2/NDF : 60.0/33

All: -185.175 ± 12.646 χ^2/NDF : 95.7/63

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 76.692 $\pm$ 0.021 χ^2 /NDF: 600348.1/16

Left Out: 72.363 $\pm$ 0.016 χ^2 /NDF: 213500.2/14

Right Out: 76.479 $\pm$ 0.021 χ^2 /NDF: 699361.8/18

Left In: 72.180 $\pm$ 0.016 χ^2 /NDF: 135768.9/12

Left: 72.274 $\pm$ 0.011 χ^2 /NDF: 349336.3/27

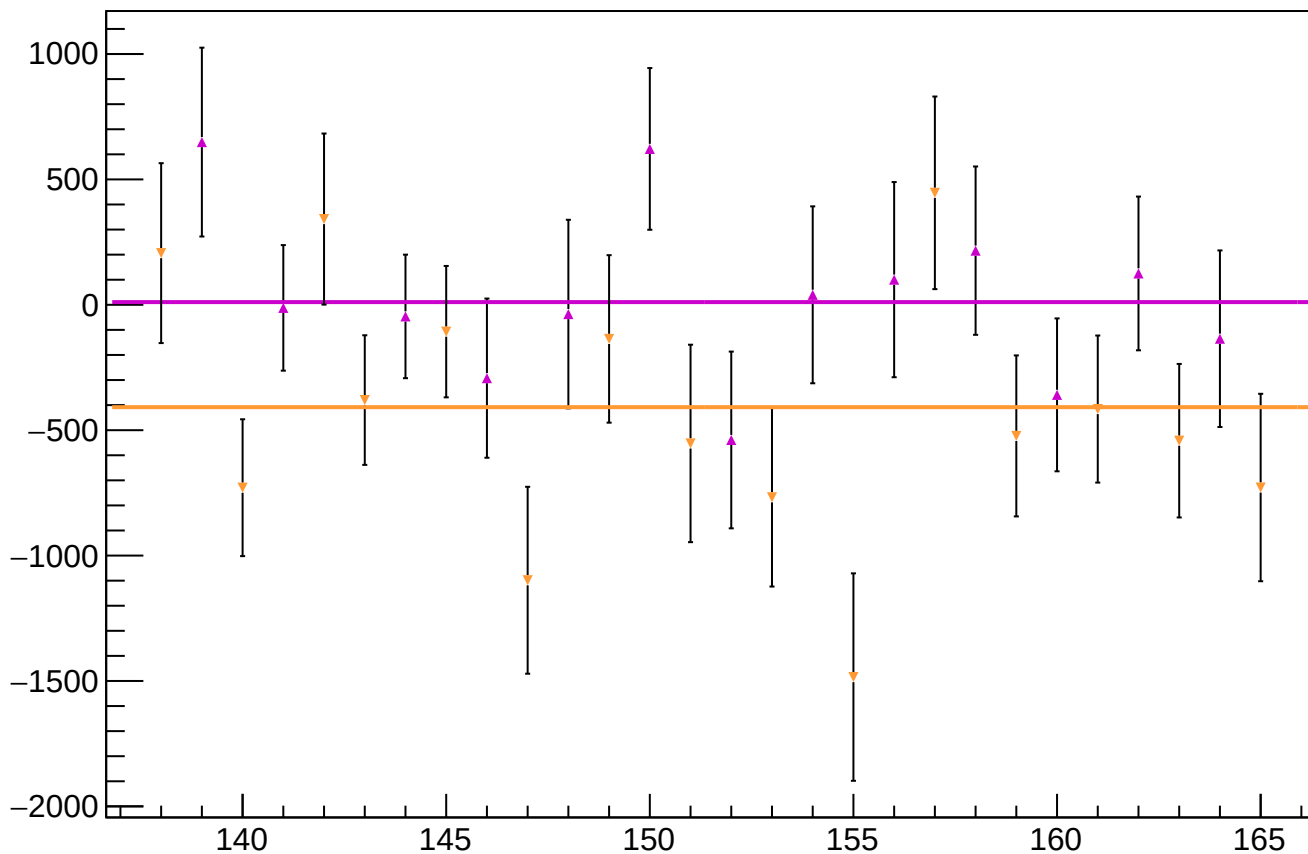
Right: 76.583 $\pm$ 0.015 χ^2 /NDF: 1299760.4/35

In: 73.785 $\pm$ 0.013 χ^2 /NDF: 764507.1/29

Out: 73.824 $\pm$ 0.012 χ^2 /NDF: 937765.0/33

All: 73.805 $\pm$ 0.009 χ^2 /NDF: 1702277.1/63

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -408.179 $\pm$ 84.020 χ^2 /NDF:28.5/14

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

Left In: 10.757 $\pm$ 88.682 χ^2 /NDF:12.1/12

Left: -210.012 $\pm$ 60.992 χ^2 /NDF: 52.4/27

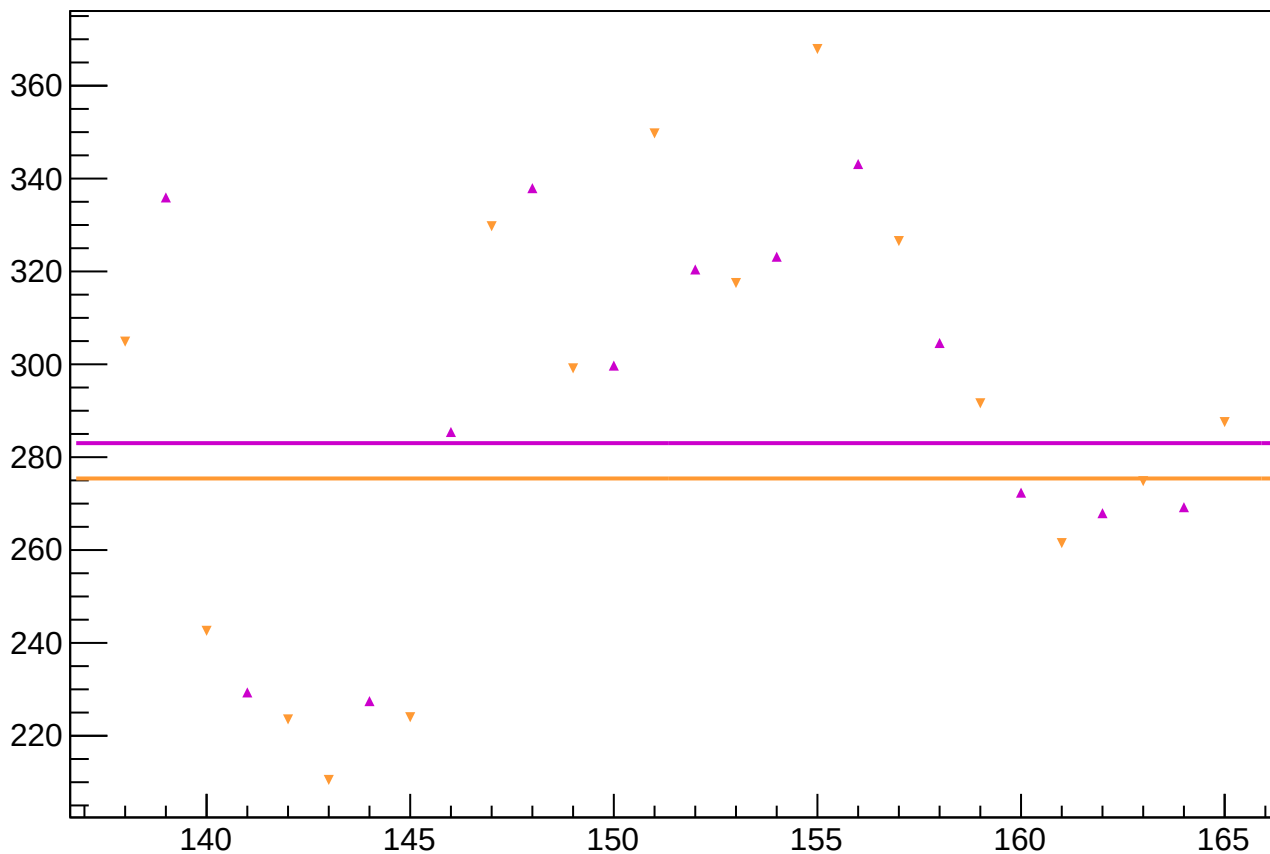
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 10.757 $\pm$ 88.682 χ^2 /NDF:12.1/12

Out: -408.179 $\pm$ 84.020 χ^2 /NDF:28.5/14

All: -210.012 $\pm$ 60.992 χ^2 /NDF: 52.4/27

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 275.413+/-0.059 χ^2/NDF :590992.1/14

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

Left In: 283.022+/-0.063 χ^2/NDF :396137.9/12

Left: 279.013+/-0.043 χ^2/NDF : 994889.5/27

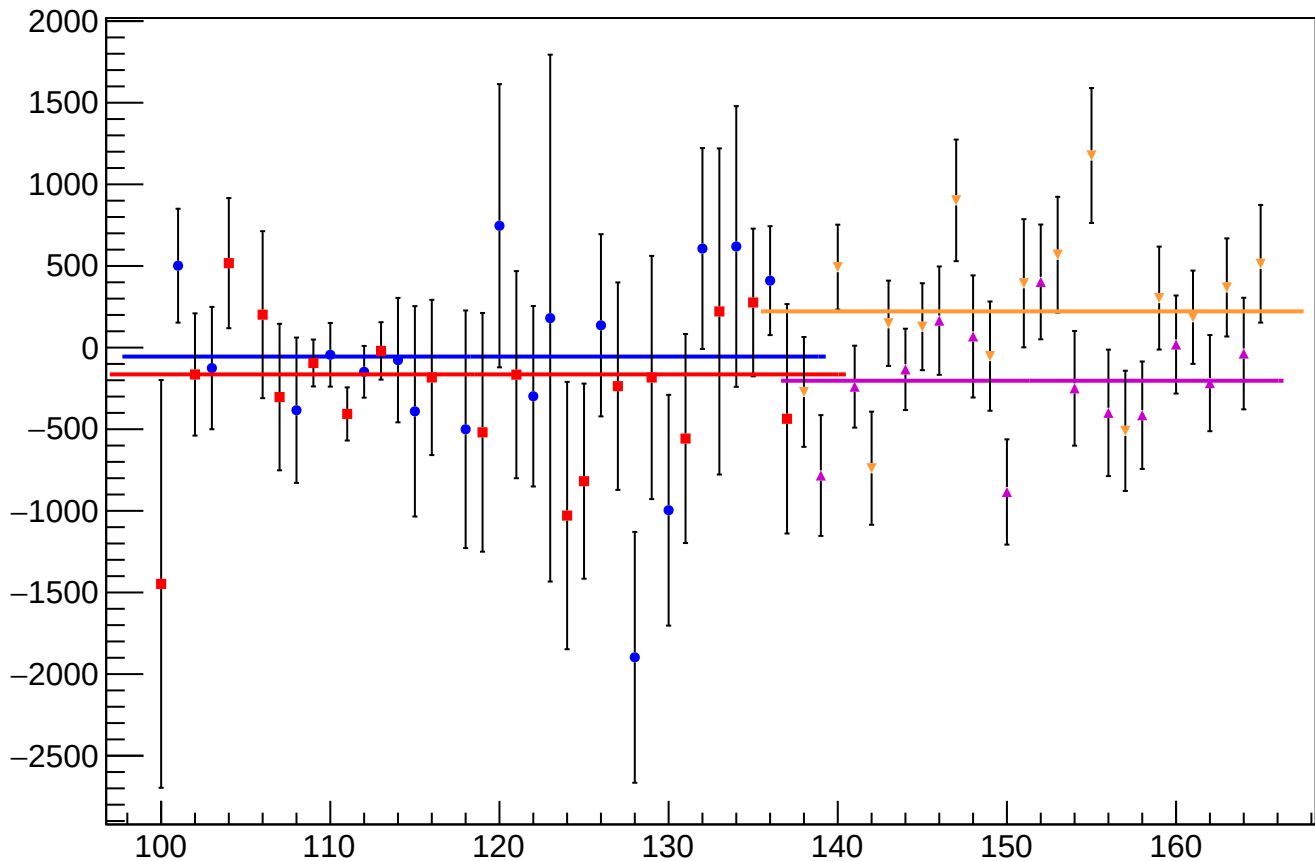
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 283.022+/-0.063 χ^2/NDF :396137.9/12

Out: 275.413+/-0.059 χ^2/NDF :590992.1/14

All: 279.013+/-0.043 χ^2/NDF : 994889.5/27

asym_sam8_mean vs Slug, Sign Corrected



Right In: -54.933+/-90.355 χ^2/NDF : 16.5/16

Left Out: 222.139+/-82.880 χ^2/NDF :26.6/14

Right Out: -164.141+/-76.903 χ^2/NDF : 11.9/18

Left In: -202.998+/-88.236 χ^2/NDF :13.2/12

Left: 22.863+/-60.410 χ^2/NDF : 52.1/27

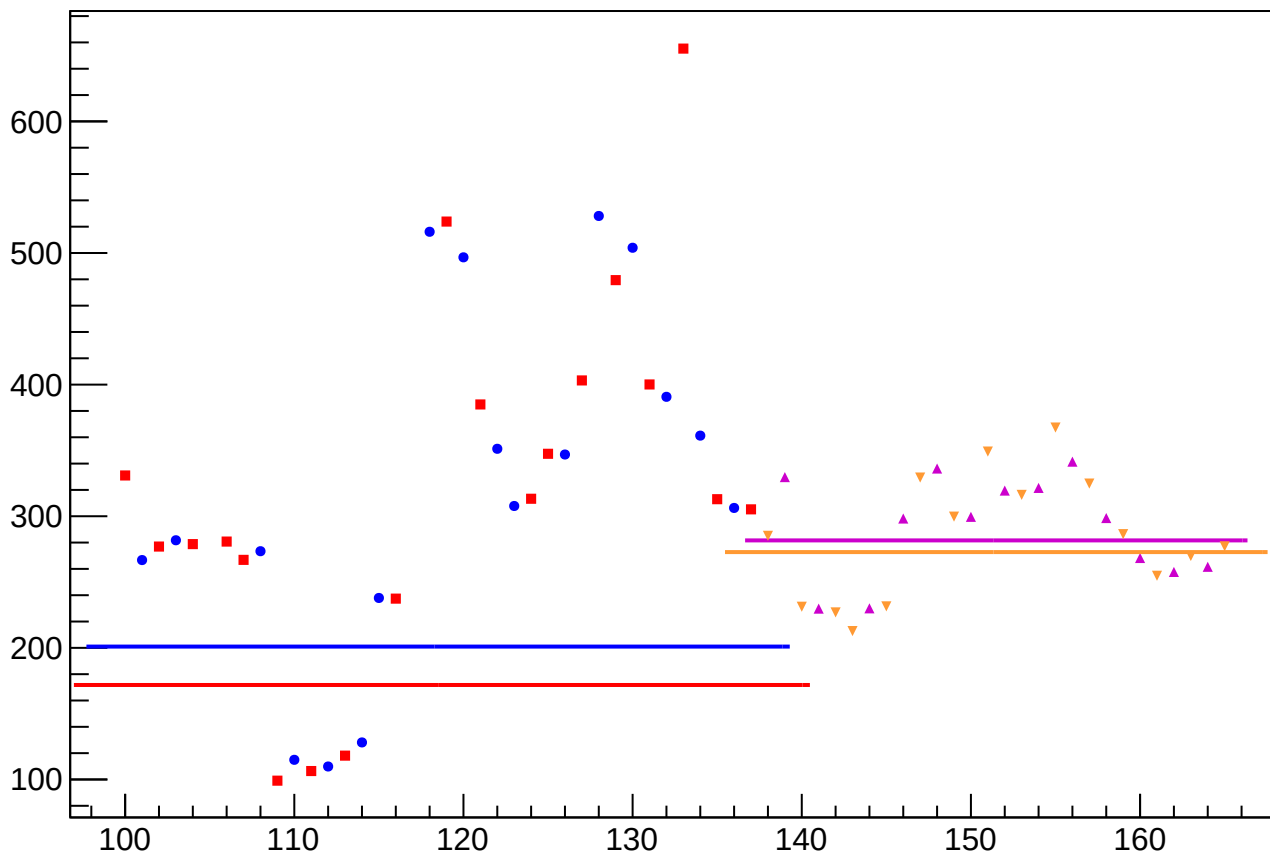
Right: -118.264+/-58.563 χ^2/NDF : 29.3/35

In: -130.722+/-63.128 χ^2/NDF :31.2/29

Out: 14.569+/-56.373 χ^2/NDF :50.1/33

All: -49.890+/-42.048 χ^2/NDF : 84.2/63

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.971 ± 0.064 χ^2/NDF : 3436154.0/16

Left Out: 272.767 ± 0.059 χ^2/NDF : 564127.6/14

Right Out: 171.794 ± 0.054 χ^2/NDF : 4092634.7/18

Left In: 281.643 ± 0.062 χ^2/NDF : 384929.8/12

Left: 276.927 ± 0.043 χ^2/NDF : 959809.8/27

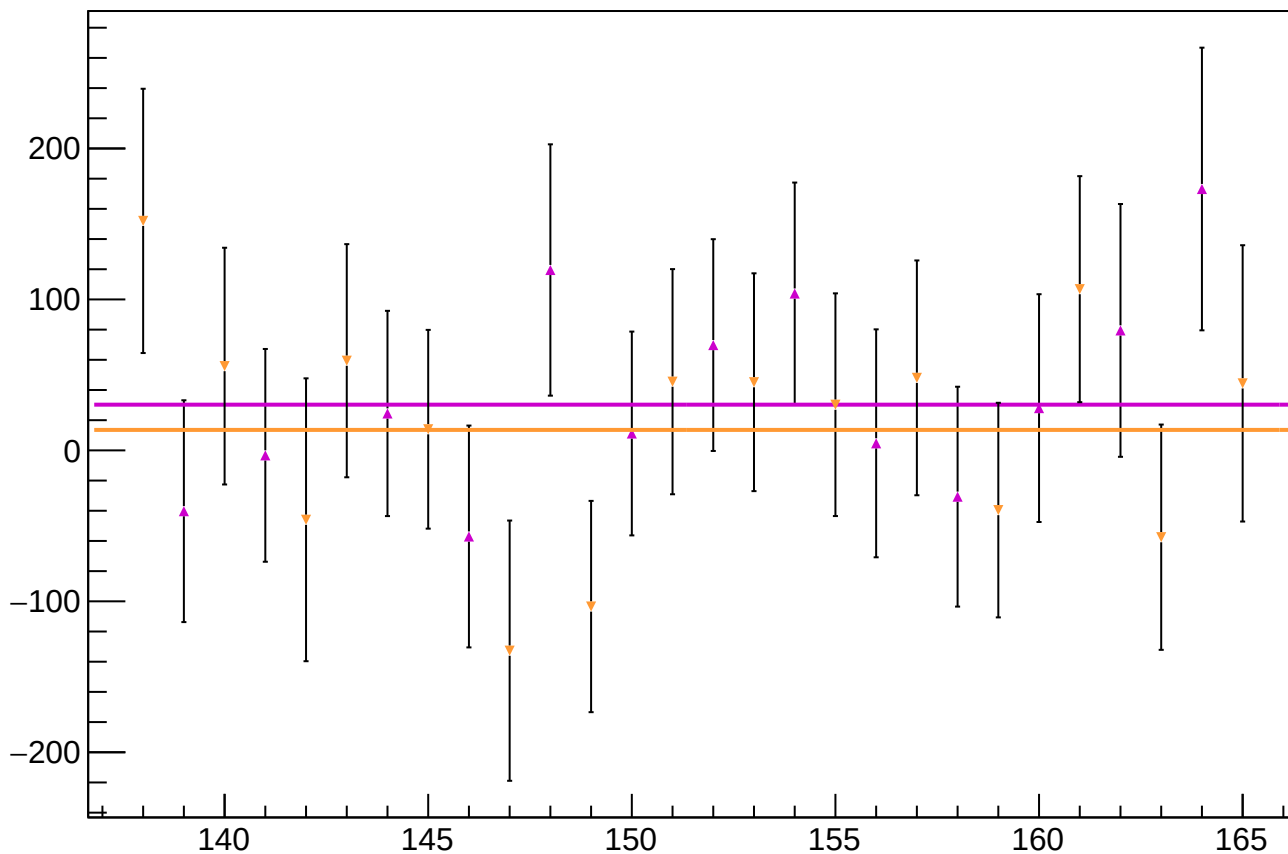
Right: 184.051 ± 0.041 χ^2/NDF : 7649725.9/35

In: 242.264 ± 0.045 χ^2/NDF : 4637152.8/29

Out: 218.508 ± 0.040 χ^2/NDF : 6251902.8/33

All: 229.048 ± 0.030 χ^2/NDF : 11046620.9/63

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: 13.558 $\pm$ 19.840 χ^2 /NDF:13.0/14

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

Left In: 30.281 $\pm$ 20.689 χ^2 /NDF:8.6/12

Left: 21.569 $\pm$ 14.320 χ^2 /NDF: 21.9/27

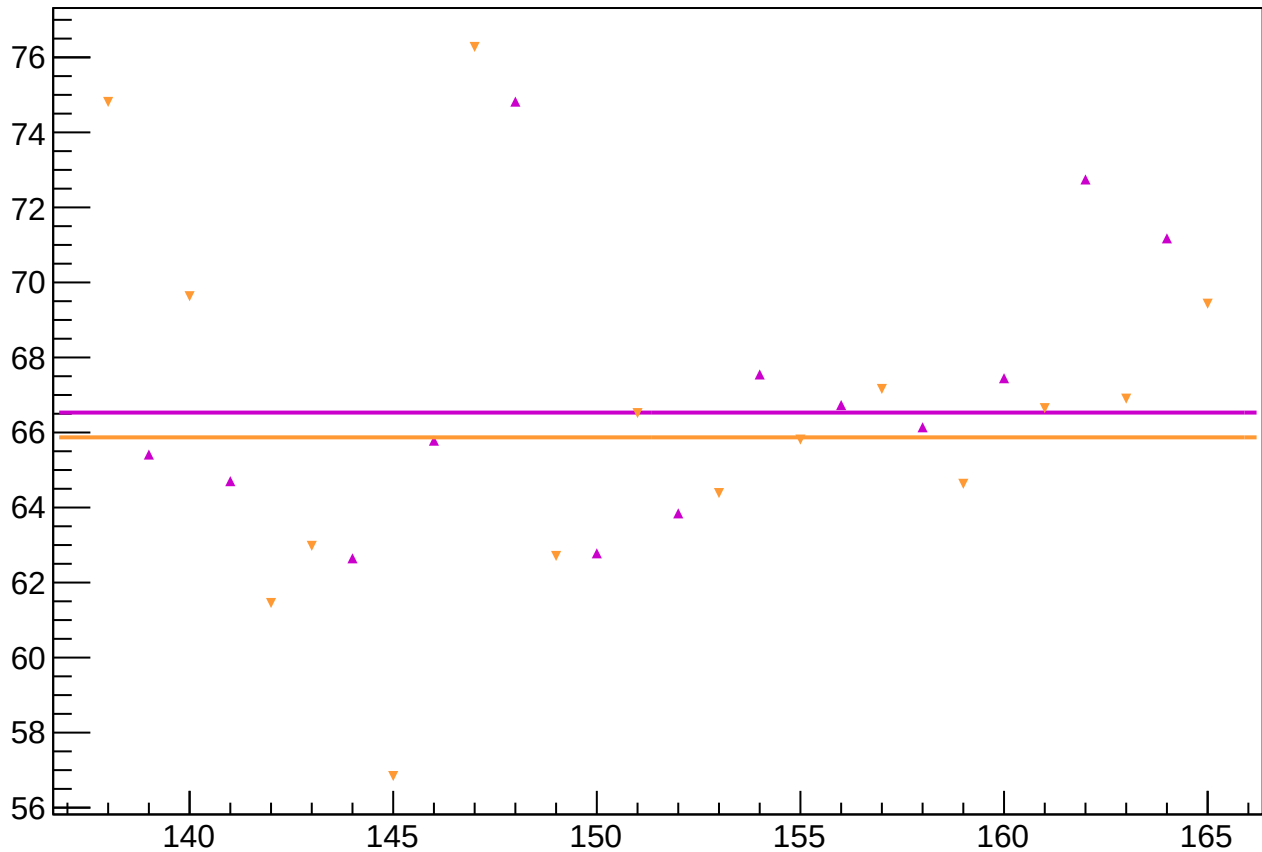
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 30.281 $\pm$ 20.689 χ^2 /NDF:8.6/12

Out: 13.558 $\pm$ 19.840 χ^2 /NDF:13.0/14

All: 21.569 $\pm$ 14.320 χ^2 /NDF: 21.9/27

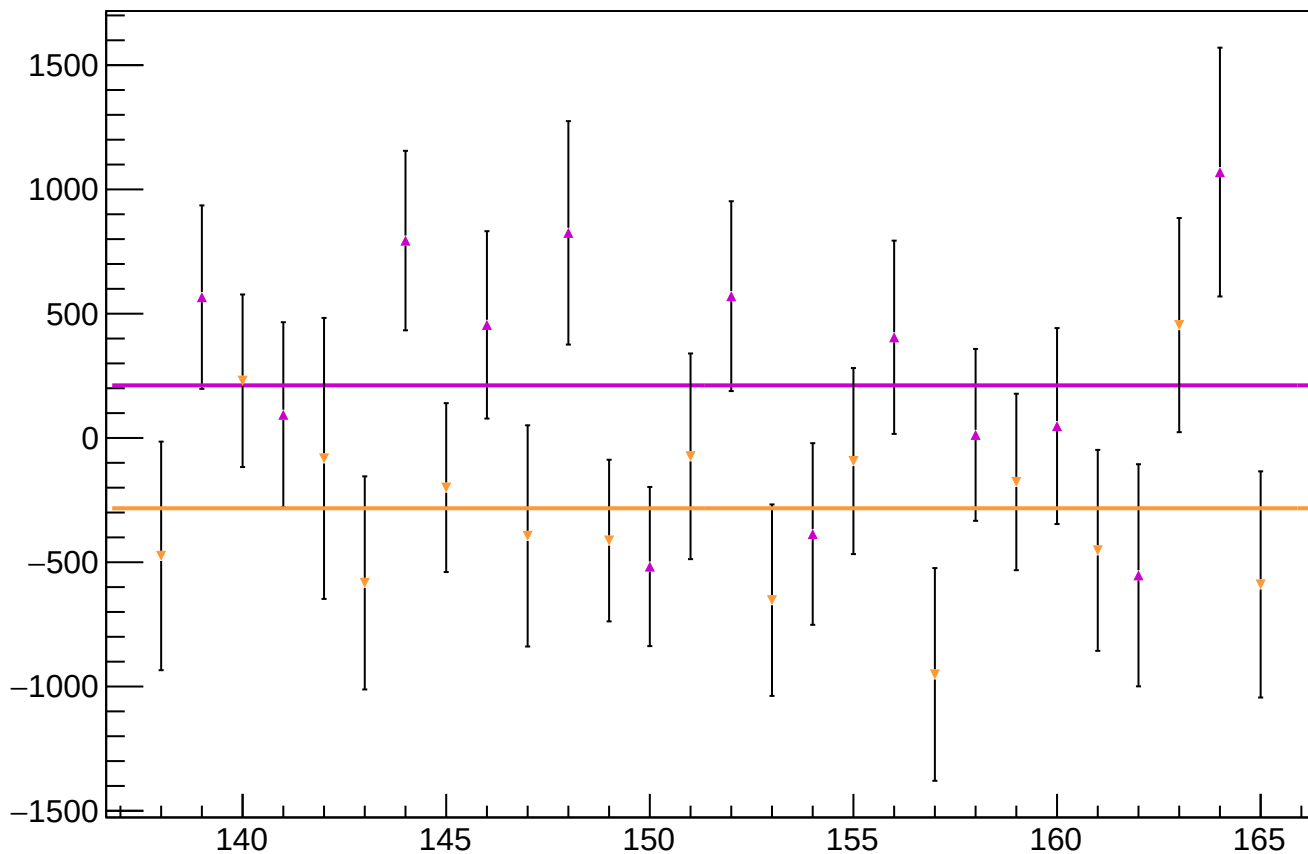
dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 65.870+/-0.014 χ^2/NDF :109331.2/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 66.531+/-0.015 χ^2/NDF :54165.4/12

Left: 66.187+/-0.010 χ^2/NDF : 164558.5/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 66.531+/-0.015 χ^2/NDF :54165.4/12
 Out: 65.870+/-0.014 χ^2/NDF :109331.2/14
 All: 66.187+/-0.010 χ^2/NDF : 164558.5/27

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -282.829+/-103.019 χ^2/NDF :10.8/14

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

Left In: 211.671+/-106.157 χ^2/NDF :21.3/12

Left: -42.997+/-73.930 χ^2/NDF : 43.2/27

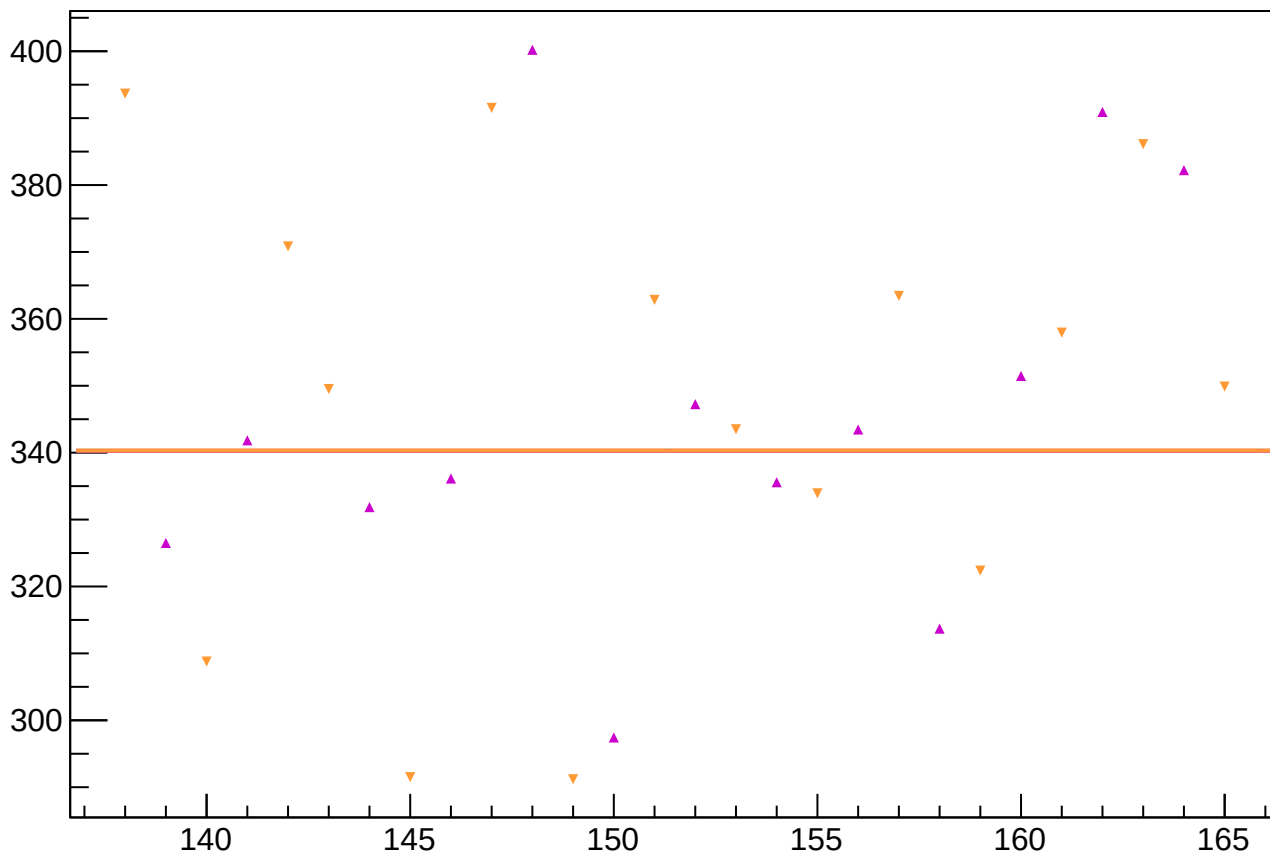
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 211.671+/-106.157 χ^2/NDF :21.3/12

Out: -282.829+/-103.019 χ^2/NDF :10.8/14

All: -42.997+/-73.930 χ^2/NDF : 43.2/27

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 340.311+/-0.073 χ^2/NDF :208473.5/14

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

Left In: 340.277+/-0.075 χ^2/NDF :129832.7/12

Left: 340.294+/-0.052 χ^2/NDF : 338306.3/27

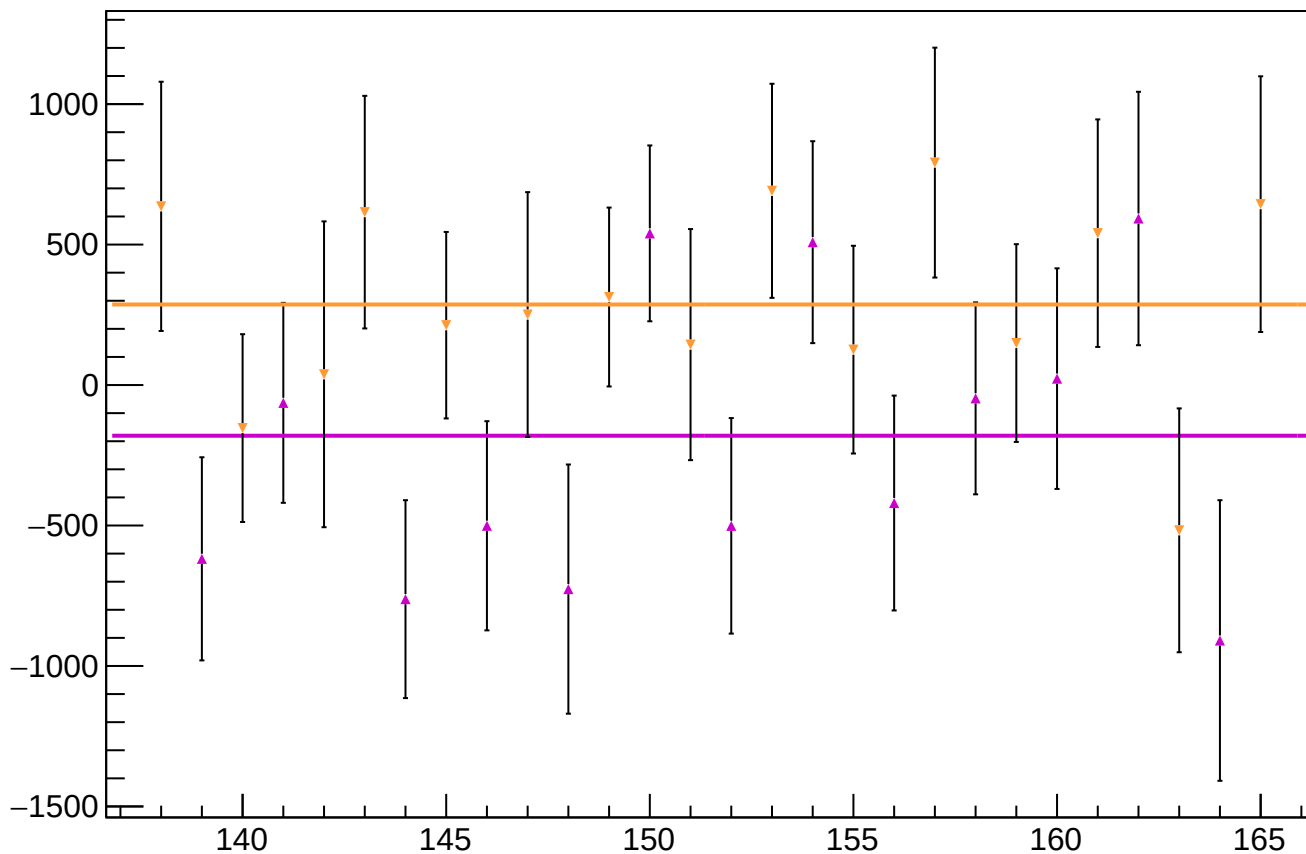
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 340.277+/-0.075 χ^2/NDF :129832.7/12

Out: 340.311+/-0.073 χ^2/NDF :208473.5/14

All: 340.294+/-0.052 χ^2/NDF : 338306.3/27

asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 286.742+/-101.093 χ^2/NDF :10.8/14

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

Left In: -180.404+/-104.559 χ^2/NDF :22.1/12

Left: 61.039+/-72.678 χ^2/NDF : 43.2/27

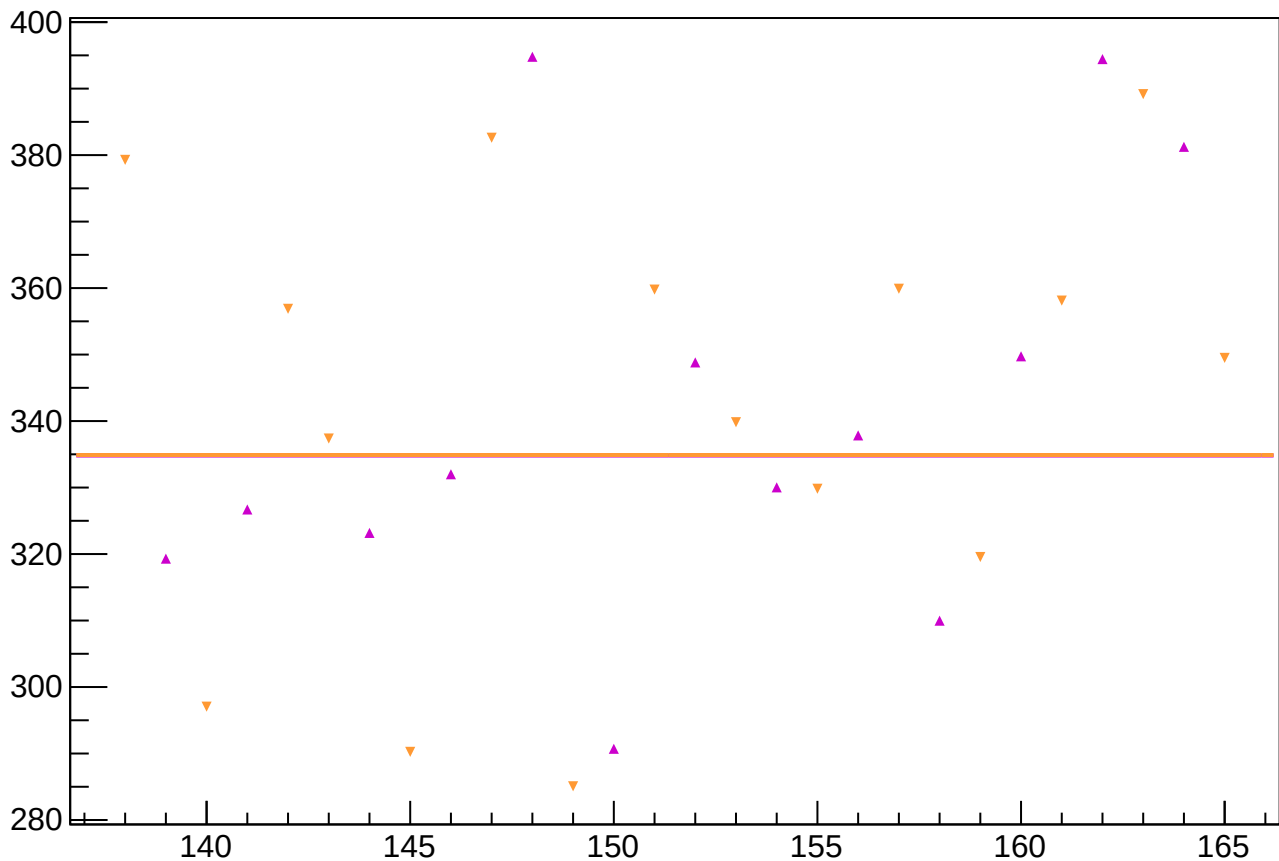
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -180.404+/-104.559 χ^2/NDF :22.1/12

Out: 286.742+/-101.093 χ^2/NDF :10.8/14

All: 61.039+/-72.678 χ^2/NDF : 43.2/27

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 334.893+/-0.071 χ^2/NDF : 217365.5/14

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

Left In: 334.816+/-0.074 χ^2/NDF : 152143.1/12

Left: 334.856+/-0.051 χ^2/NDF : 369509.2/27

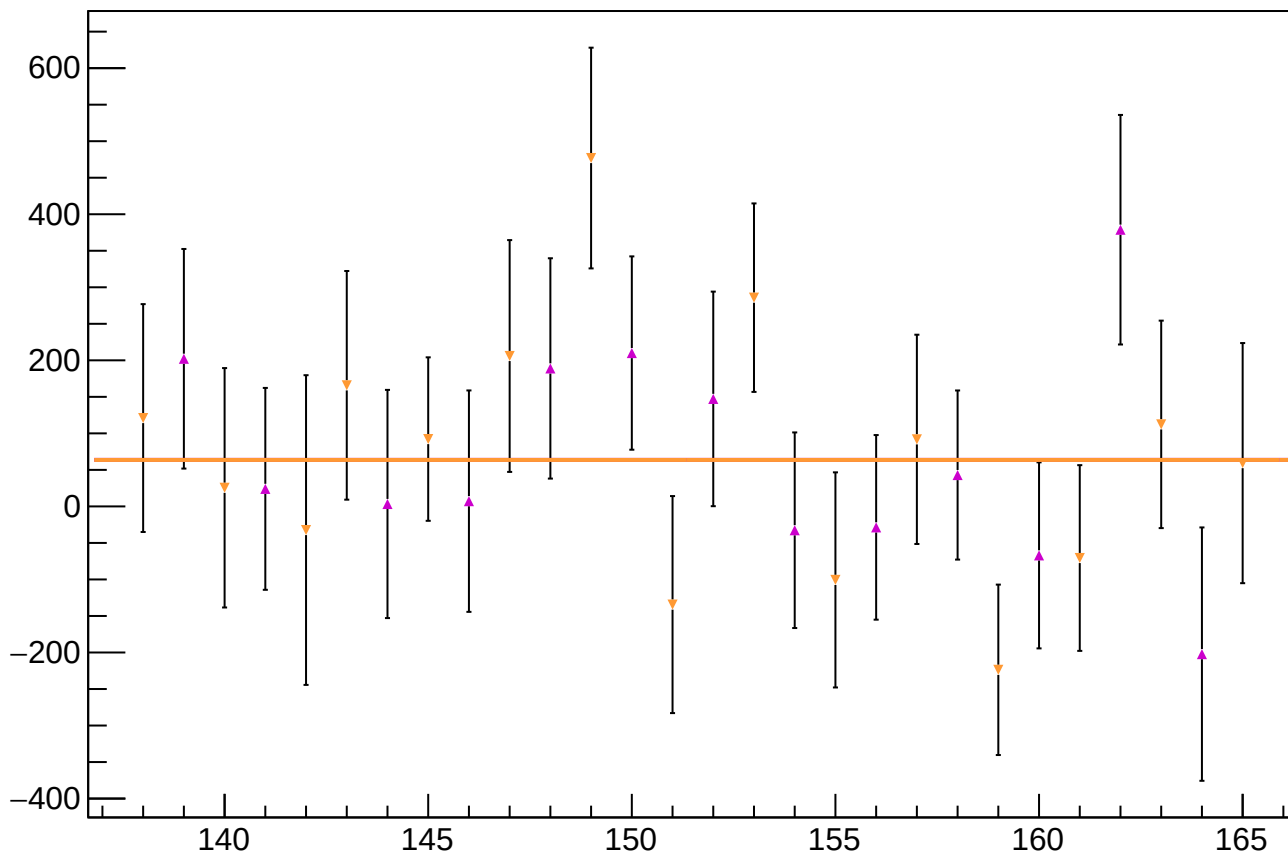
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 334.816+/-0.074 χ^2/NDF : 152143.1/12

Out: 334.893+/-0.071 χ^2/NDF : 217365.5/14

All: 334.856+/-0.051 χ^2/NDF : 369509.2/27

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: 63.631 $\pm$ 37.090 χ^2 /NDF:22.5/14

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

Left In: 63.693 $\pm$ 39.016 χ^2 /NDF:12.0/12

Left: 63.660 $\pm$ 26.882 χ^2 /NDF: 34.5/27

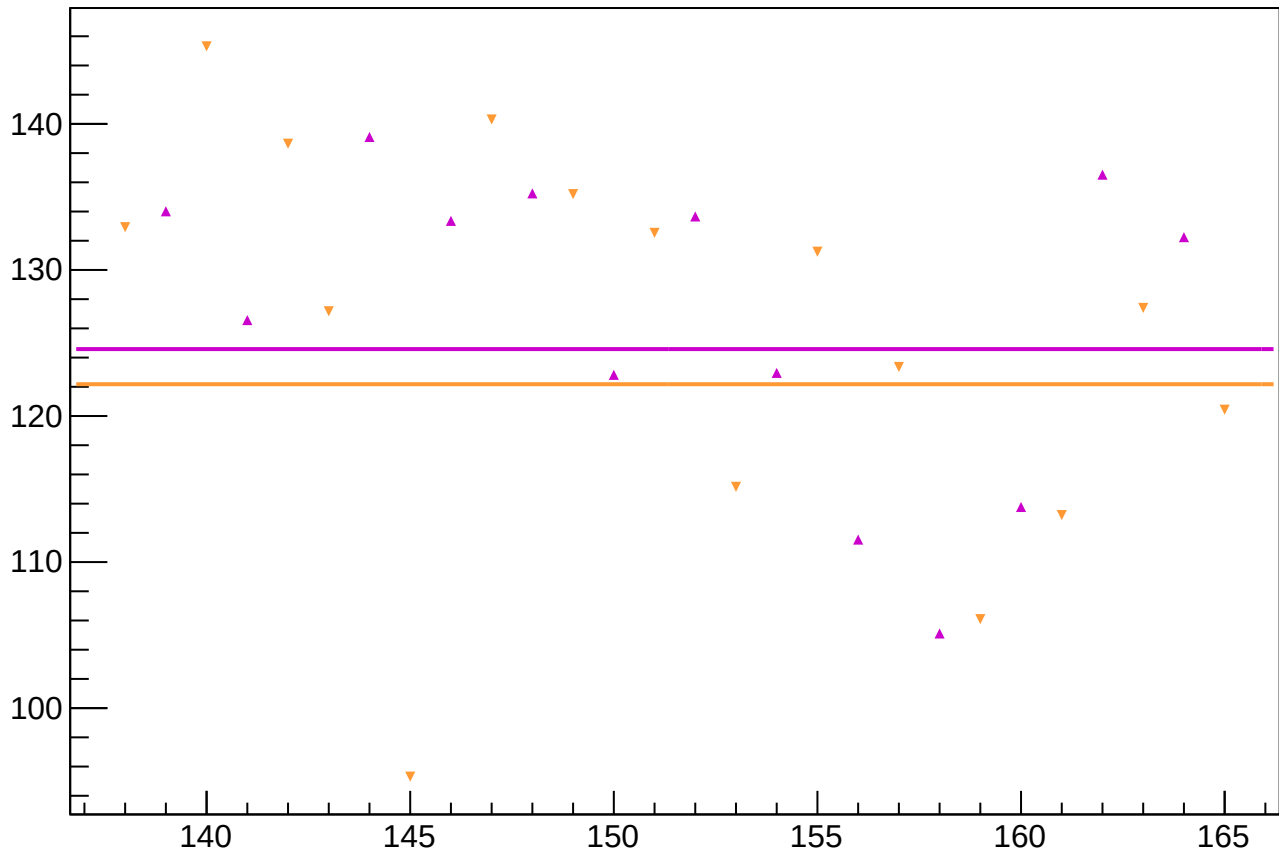
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 63.693 $\pm$ 39.016 χ^2 /NDF:12.0/12

Out: 63.631 $\pm$ 37.090 χ^2 /NDF:22.5/14

All: 63.660 $\pm$ 26.882 χ^2 /NDF: 34.5/27

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 122.176+/-0.026 χ^2/NDF :293936.1/14

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

Left In: 124.582+/-0.028 χ^2/NDF :158313.5/12

Left: 123.318+/-0.019 χ^2/NDF : 456244.6/27

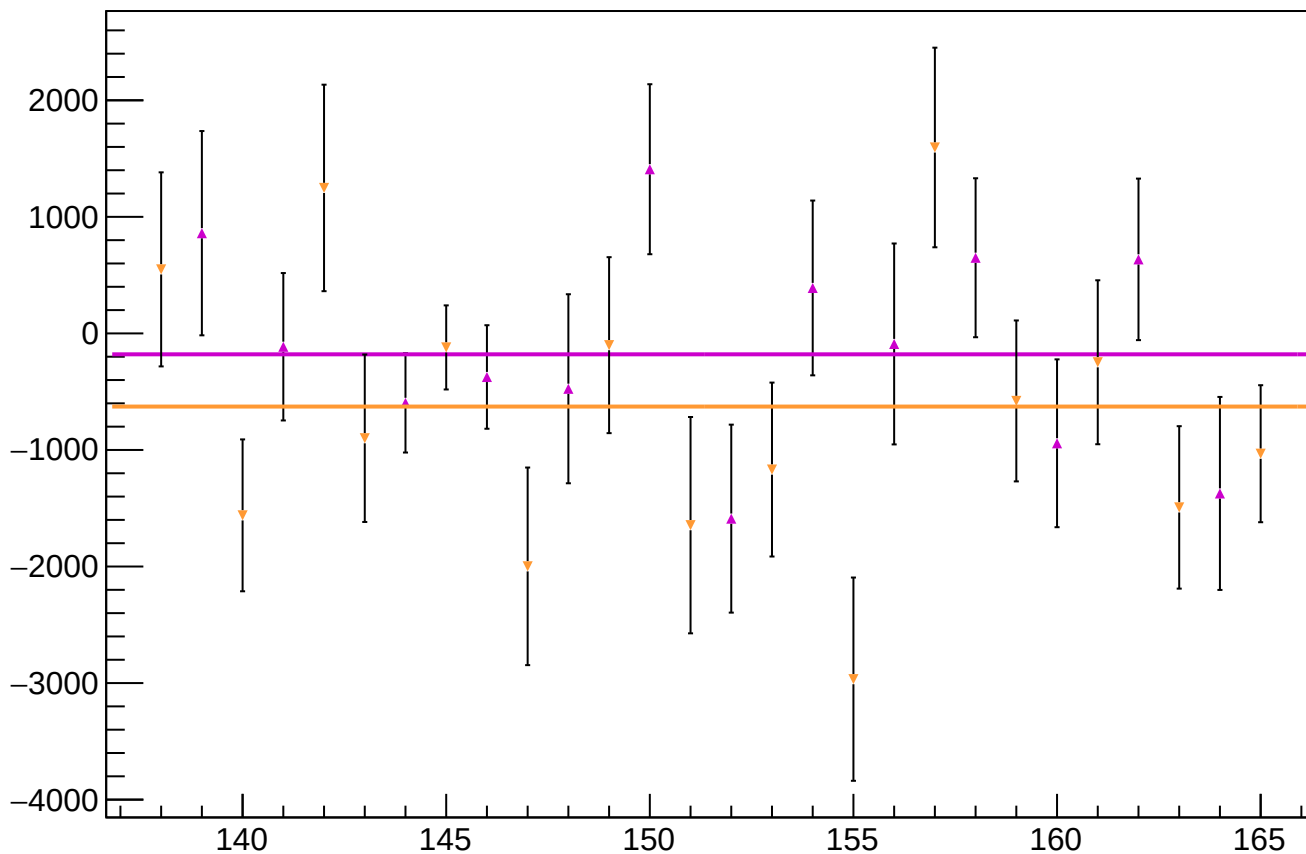
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 124.582+/-0.028 χ^2/NDF :158313.5/12

Out: 122.176+/-0.026 χ^2/NDF :293936.1/14

All: 123.318+/-0.019 χ^2/NDF : 456244.6/27

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -627.664+/-175.277 χ^2/NDF :31.7/14

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

Left In: -179.400+/-182.377 χ^2/NDF :17.1/12

Left: -412.427+/-126.375 χ^2/NDF : 52.0/27

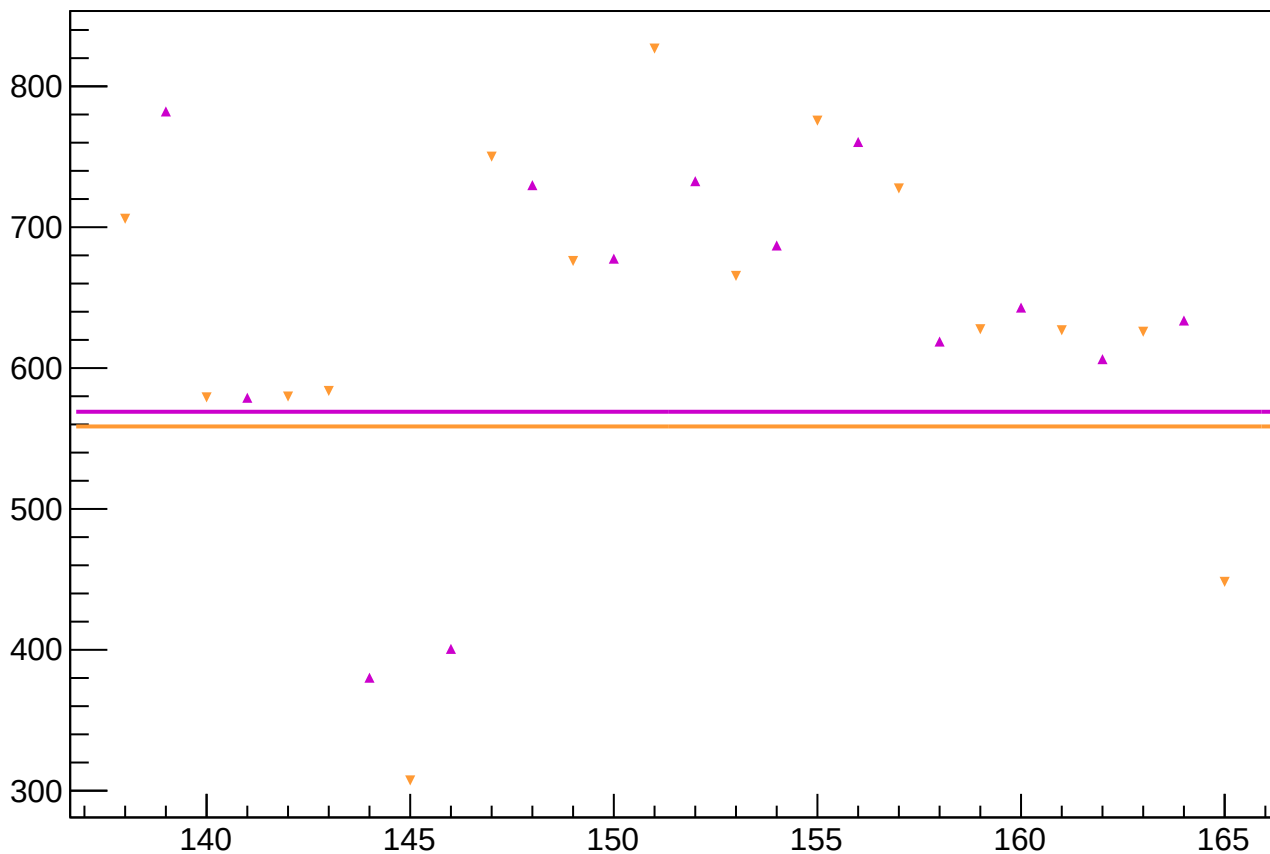
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -179.400+/-182.377 χ^2/NDF :17.1/12

Out: -627.664+/-175.277 χ^2/NDF :31.7/14

All: -412.427+/-126.375 χ^2/NDF : 52.0/27

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 558.564+/-0.124 χ^2/NDF :1727009.8/14

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

Left In: 568.993+/-0.129 χ^2/NDF :1202347.8/12

Left: 563.572+/-0.089 χ^2/NDF : 2932757.1/27

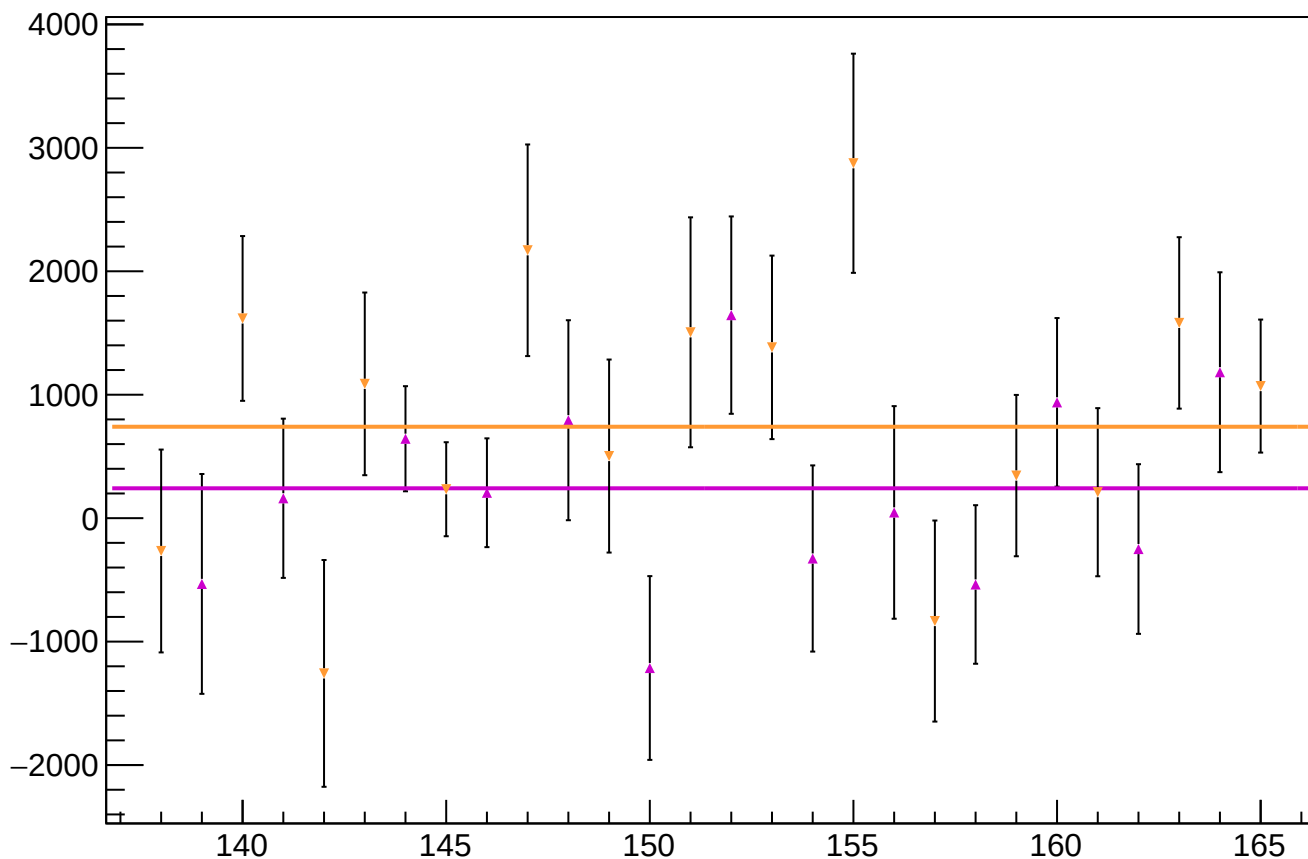
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 568.993+/-0.129 χ^2/NDF :1202347.8/12

Out: 558.564+/-0.124 χ^2/NDF :1727009.8/14

All: 563.572+/-0.089 χ^2/NDF : 2932757.1/27

asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 740.636+/-175.715 χ^2/NDF : 26.6/14

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

Left In: 241.946+/-180.946 χ^2/NDF : 14.0/12

Left: 498.603+/-126.058 χ^2/NDF : 44.5/27

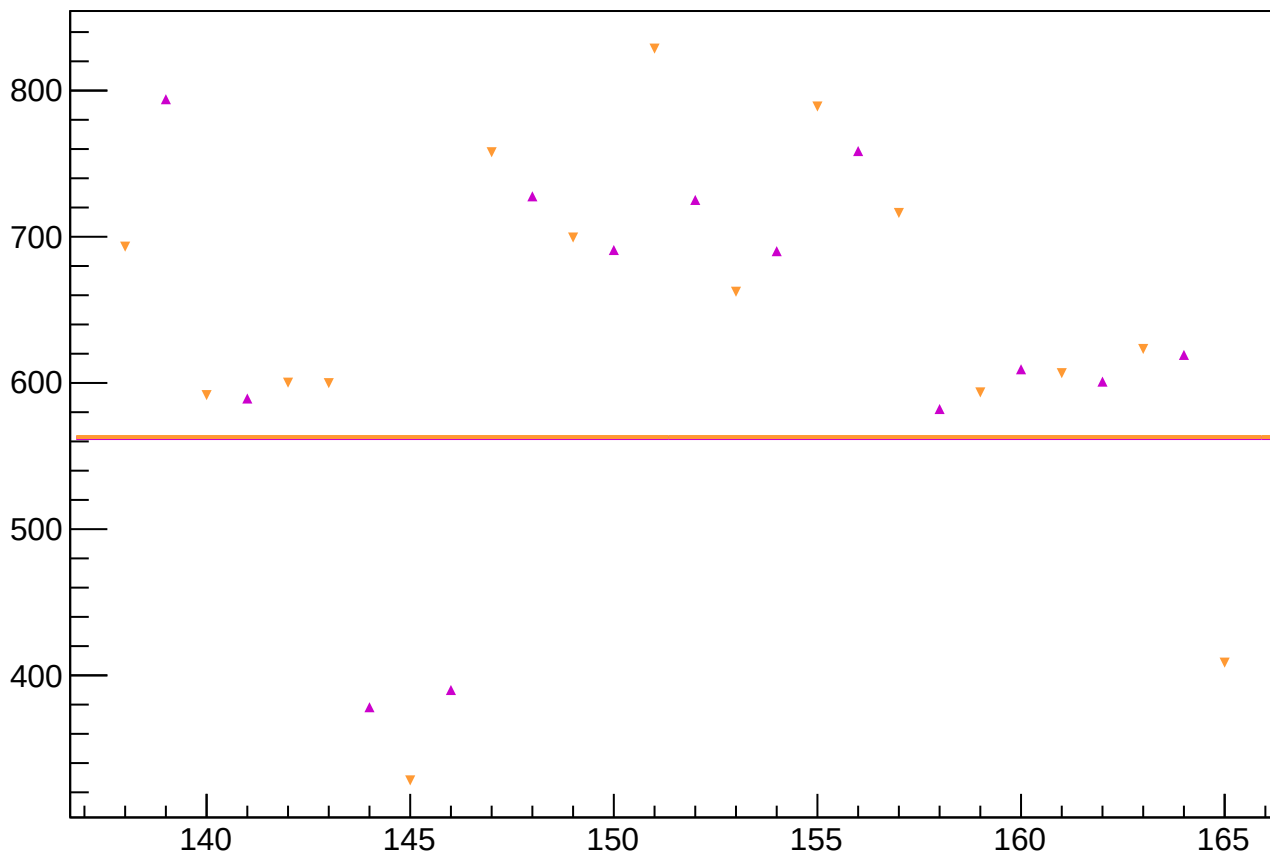
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 241.946+/-180.946 χ^2/NDF : 14.0/12

Out: 740.636+/-175.715 χ^2/NDF : 26.6/14

All: 498.603+/-126.058 χ^2/NDF : 44.5/27

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 563.023+/-0.124 χ^2/NDF :1577875.7/14

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

Left In: 562.329+/-0.128 χ^2/NDF :1233869.8/12

Left: 562.686+/-0.089 χ^2/NDF : 2811760.6/27

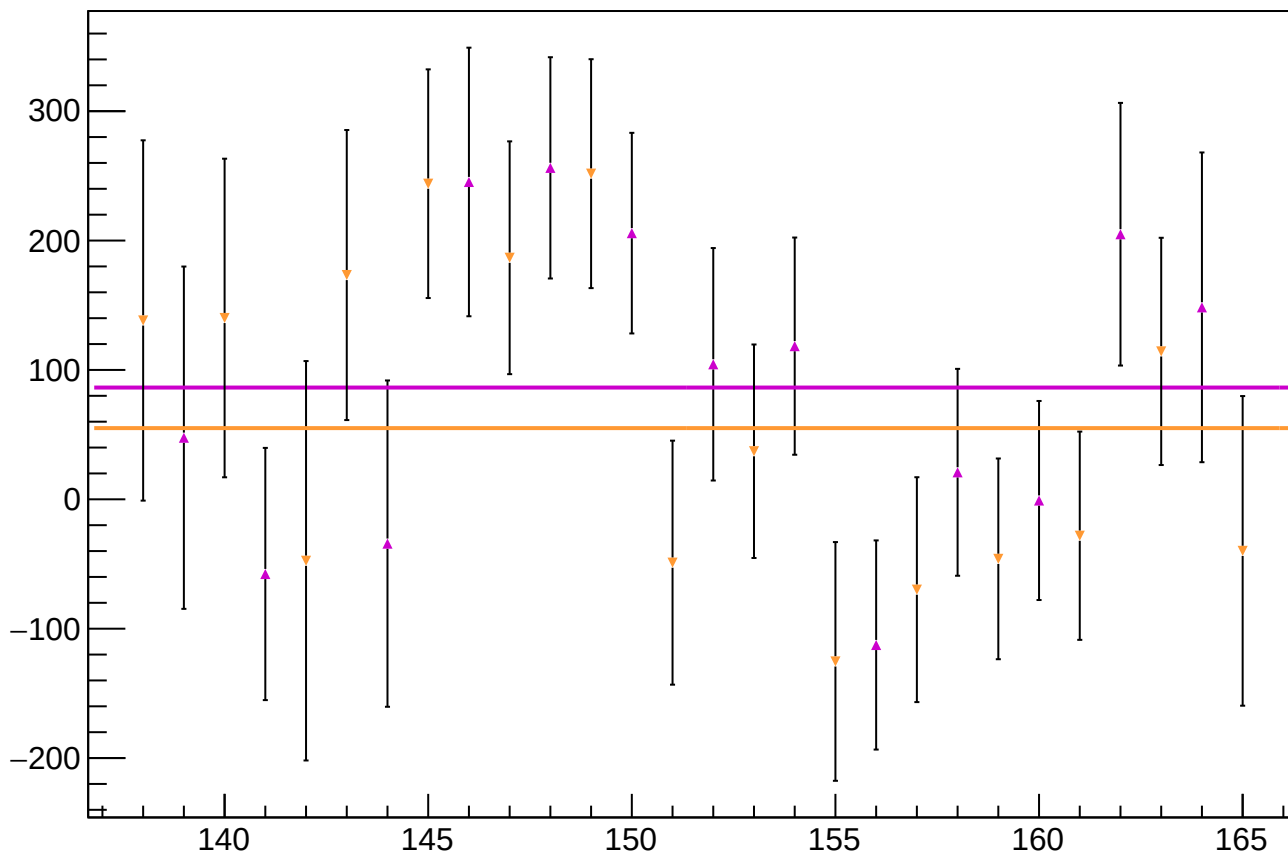
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 562.329+/-0.128 χ^2/NDF :1233869.8/12

Out: 563.023+/-0.124 χ^2/NDF :1577875.7/14

All: 562.686+/-0.089 χ^2/NDF : 2811760.6/27

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: 55.029 $\pm$ 24.636 χ^2 /NDF:25.0/14

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

Left In: 86.385 $\pm$ 25.546 χ^2 /NDF:21.7/12

Left: 70.138 $\pm$ 17.733 χ^2 /NDF: 47.5/27

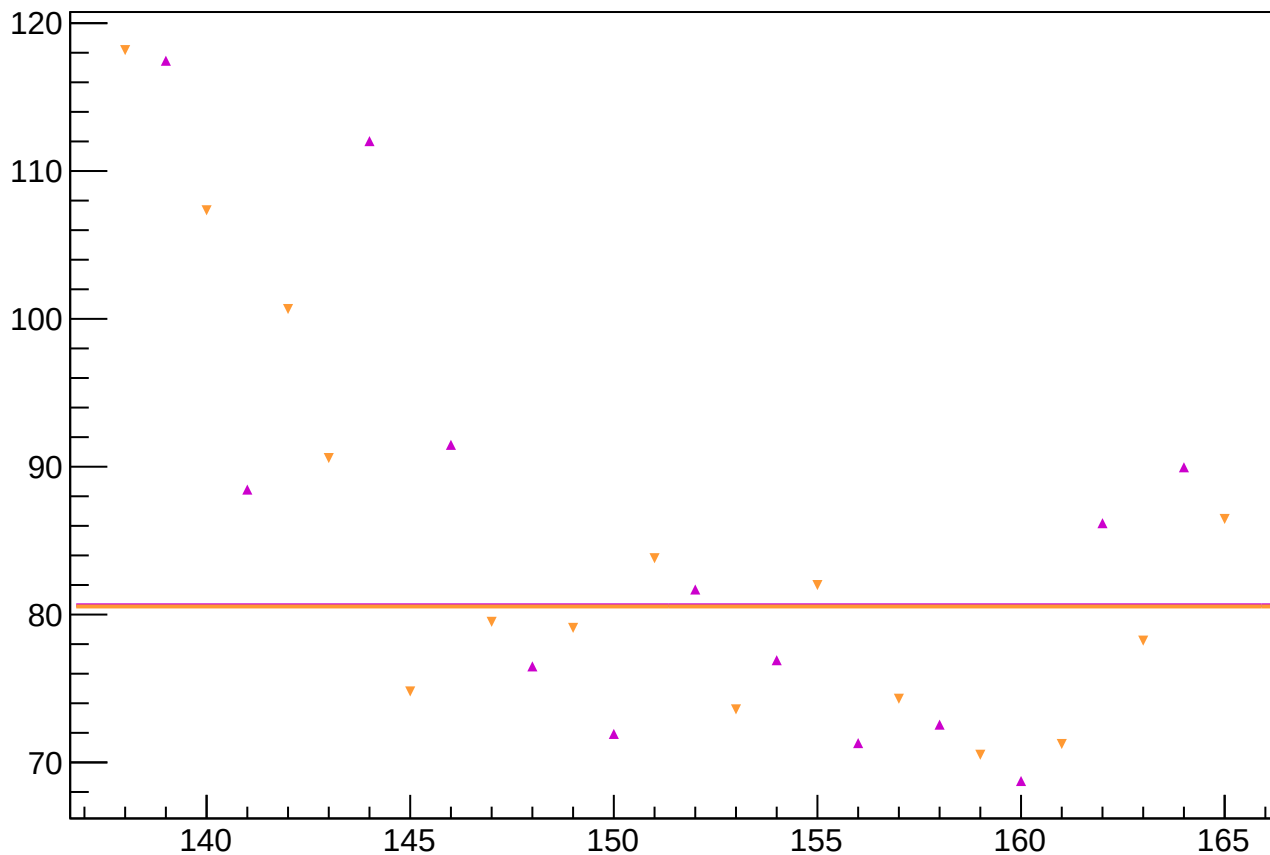
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 86.385 $\pm$ 25.546 χ^2 /NDF:21.7/12

Out: 55.029 $\pm$ 24.636 χ^2 /NDF:25.0/14

All: 70.138 $\pm$ 17.733 χ^2 /NDF: 47.5/27

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 80.548+/-0.017 χ^2/NDF :393894.5/14

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

Left In: 80.625+/-0.018 χ^2/NDF :460651.3/12

Left: 80.585+/-0.013 χ^2/NDF : 854555.0/27

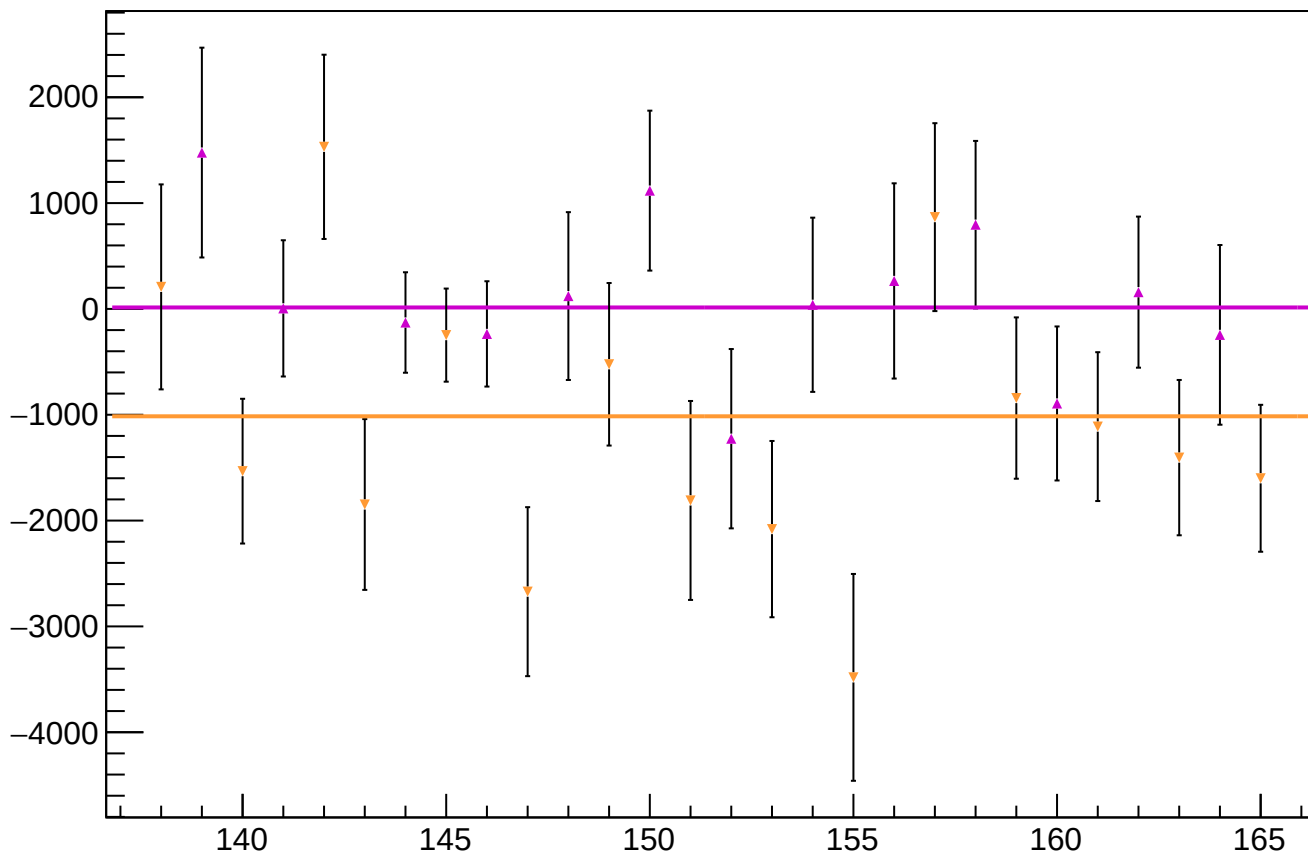
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 80.625+/-0.018 χ^2/NDF :460651.3/12

Out: 80.548+/-0.017 χ^2/NDF :393894.5/14

All: 80.585+/-0.013 χ^2/NDF : 854555.0/27

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: -1014.679 $\pm$ 192.254 χ^2 /NDF:33.8/14

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

Left In: 13.776 $\pm$ 195.635 χ^2 /NDF:9.6/12

Left: -509.416 $\pm$ 137.124 χ^2 /NDF: 57.4/27

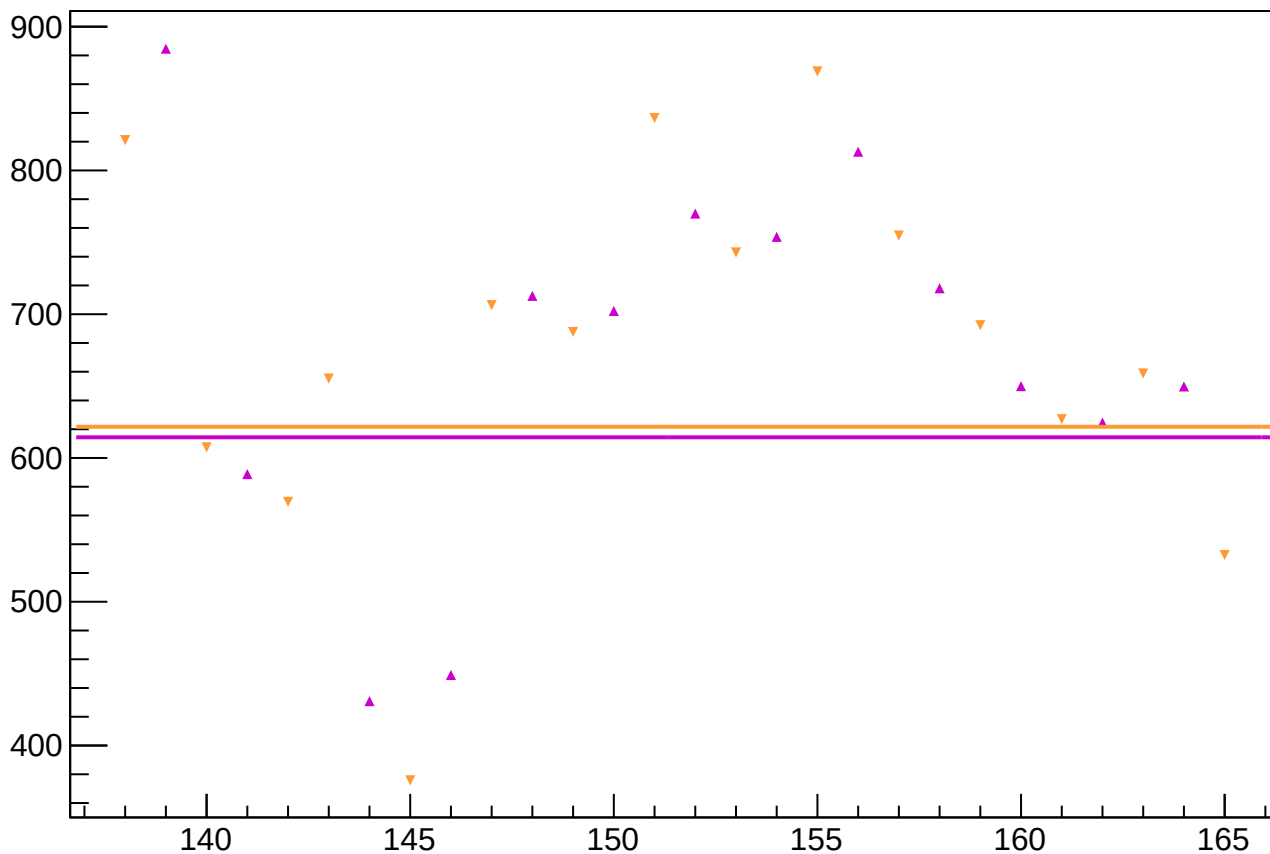
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.776 $\pm$ 195.635 χ^2 /NDF:9.6/12

Out: -1014.679 $\pm$ 192.254 χ^2 /NDF:33.8/14

All: -509.416 $\pm$ 137.124 χ^2 /NDF: 57.4/27

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 621.705+/-0.136 χ^2/NDF :1133620.4/14

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

Left In: 614.380+/-0.138 χ^2/NDF :989909.5/12

Left: 618.106+/-0.097 χ^2/NDF : 2124956.2/27

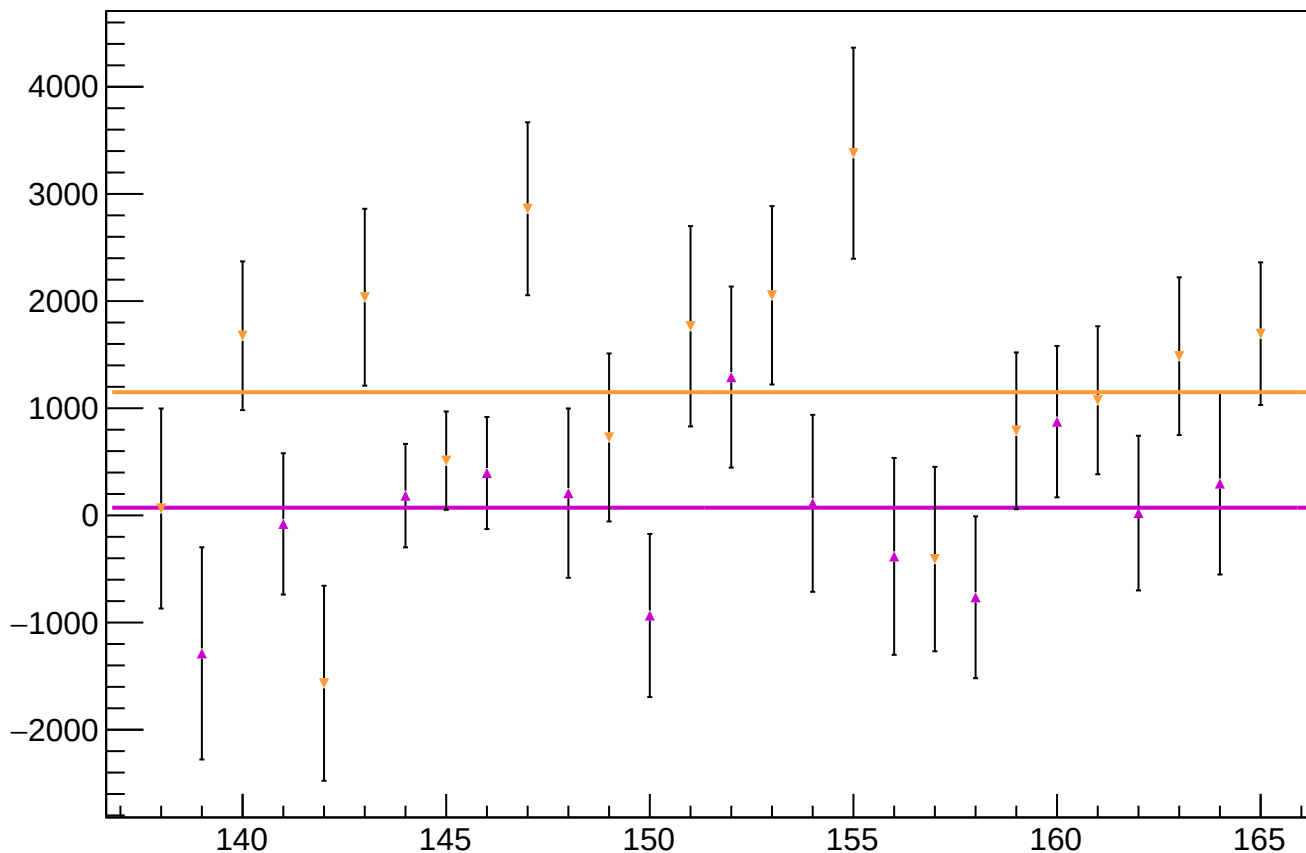
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 614.380+/-0.138 χ^2/NDF :989909.5/12

Out: 621.705+/-0.136 χ^2/NDF :1133620.4/14

All: 618.106+/-0.097 χ^2/NDF : 2124956.2/27

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 1149.911+/-192.993 χ^2/NDF : 29.9/14

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

Left In: 71.919+/-197.215 χ^2/NDF : 9.1/12

Left: 622.578+/-137.935 χ^2/NDF : 54.2/27

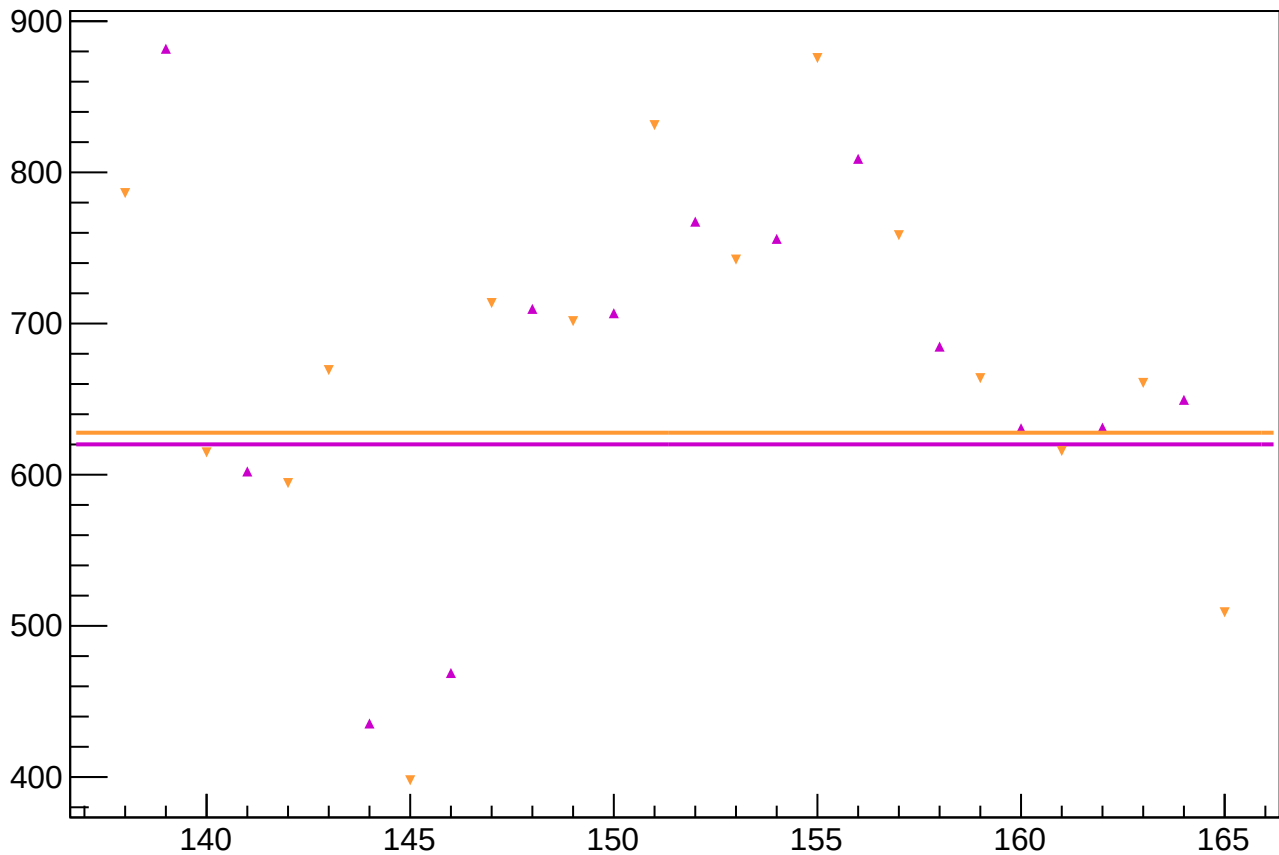
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 71.919+/-197.215 χ^2/NDF : 9.1/12

Out: 1149.911+/-192.993 χ^2/NDF : 29.9/14

All: 622.578+/-137.935 χ^2/NDF : 54.2/27

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 627.773+/-0.136 χ^2/NDF : 987165.3/14

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

Left In: 620.070+/-0.139 χ^2/NDF : 870478.8/12

Left: 624.005+/-0.098 χ^2/NDF : 1859202.5/27

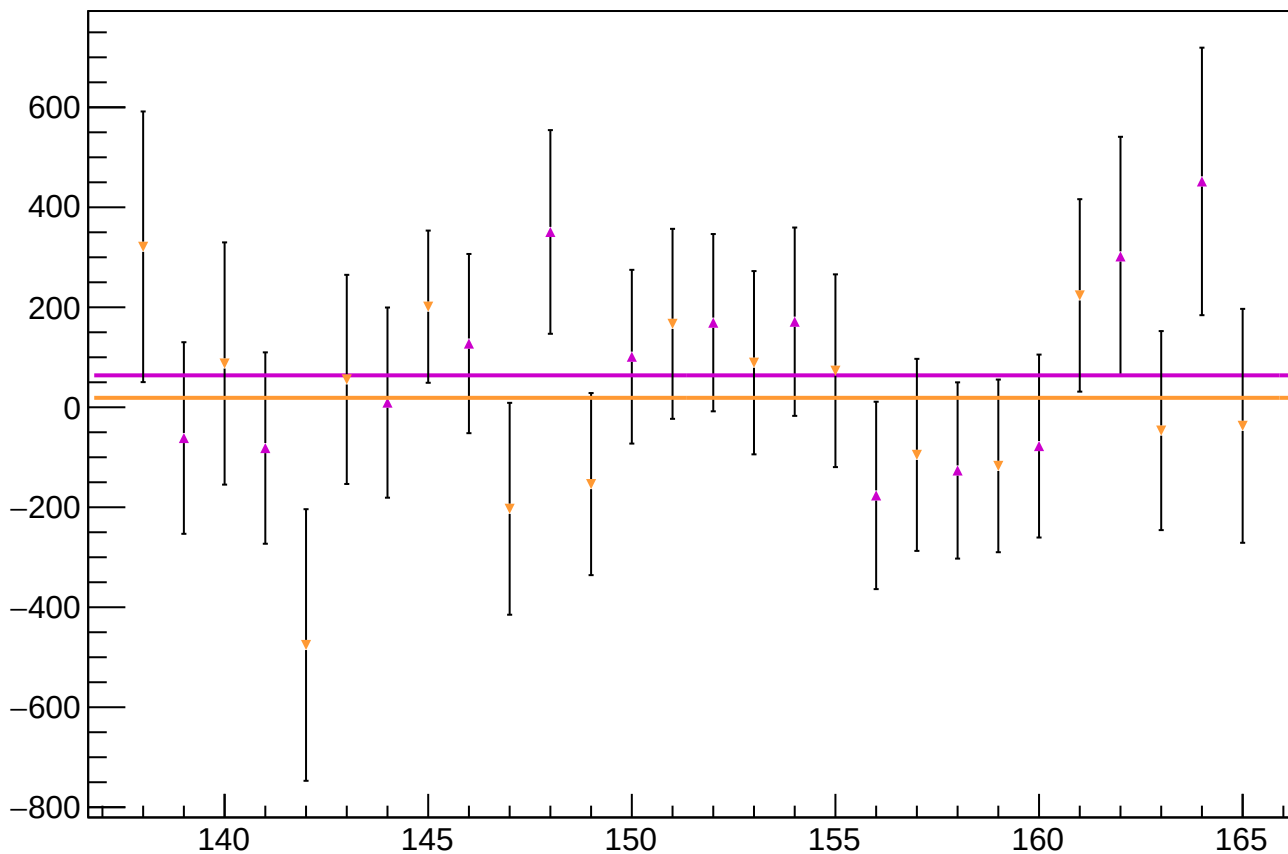
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 620.070+/-0.139 χ^2/NDF : 870478.8/12

Out: 627.773+/-0.136 χ^2/NDF : 987165.3/14

All: 624.005+/-0.098 χ^2/NDF : 1859202.5/27

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: 18.899 $\pm$ 51.422 χ^2 /NDF:11.2/14

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

Left In: 63.863 $\pm$ 53.265 χ^2 /NDF:10.4/12

Left: 40.590 $\pm$ 36.995 χ^2 /NDF: 22.0/27

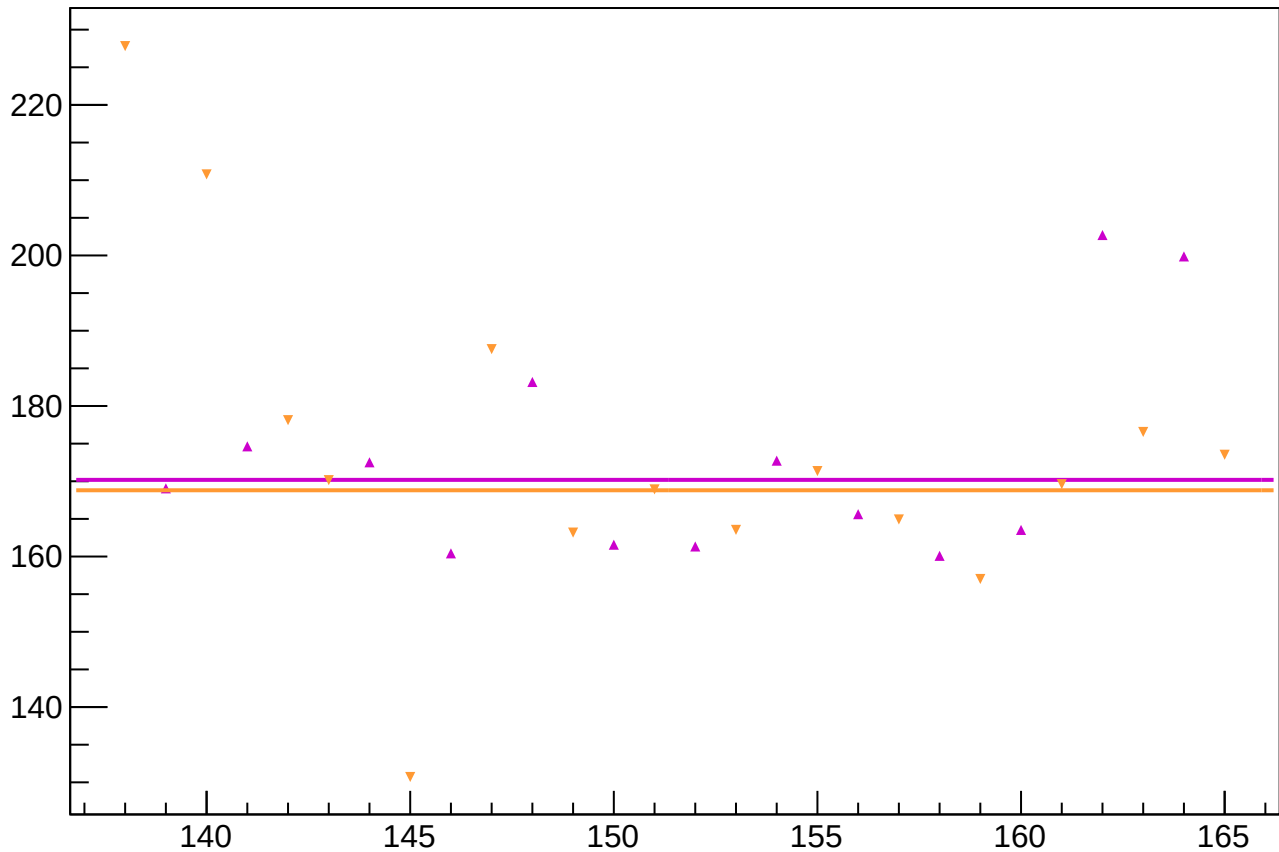
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 63.863 $\pm$ 53.265 χ^2 /NDF:10.4/12

Out: 18.899 $\pm$ 51.422 χ^2 /NDF:11.2/14

All: 40.590 $\pm$ 36.995 χ^2 /NDF: 22.0/27

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 168.802+/-0.036 χ^2/NDF :316320.2/14

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

Left In: 170.186+/-0.038 χ^2/NDF :97778.5/12

Left: 169.470+/-0.026 χ^2/NDF : 414796.9/27

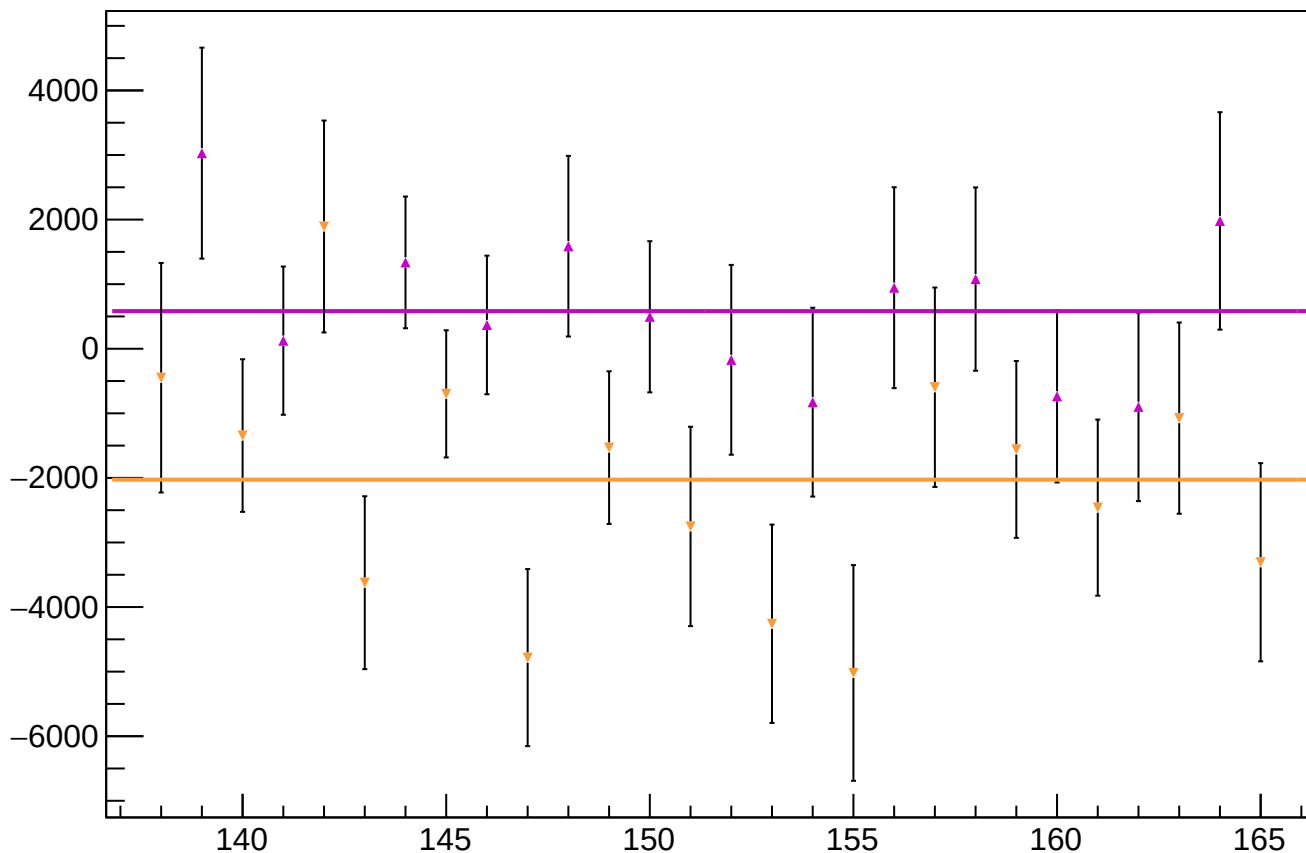
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 170.186+/-0.038 χ^2/NDF :97778.5/12

Out: 168.802+/-0.036 χ^2/NDF :316320.2/14

All: 169.470+/-0.026 χ^2/NDF : 414796.9/27

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -2027.329+/-357.719 χ^2/NDF :22.0/14

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

Left In: 583.155+/-366.906 χ^2/NDF :7.6/12

Left: -755.176+/-256.132 χ^2/NDF : 55.5/27

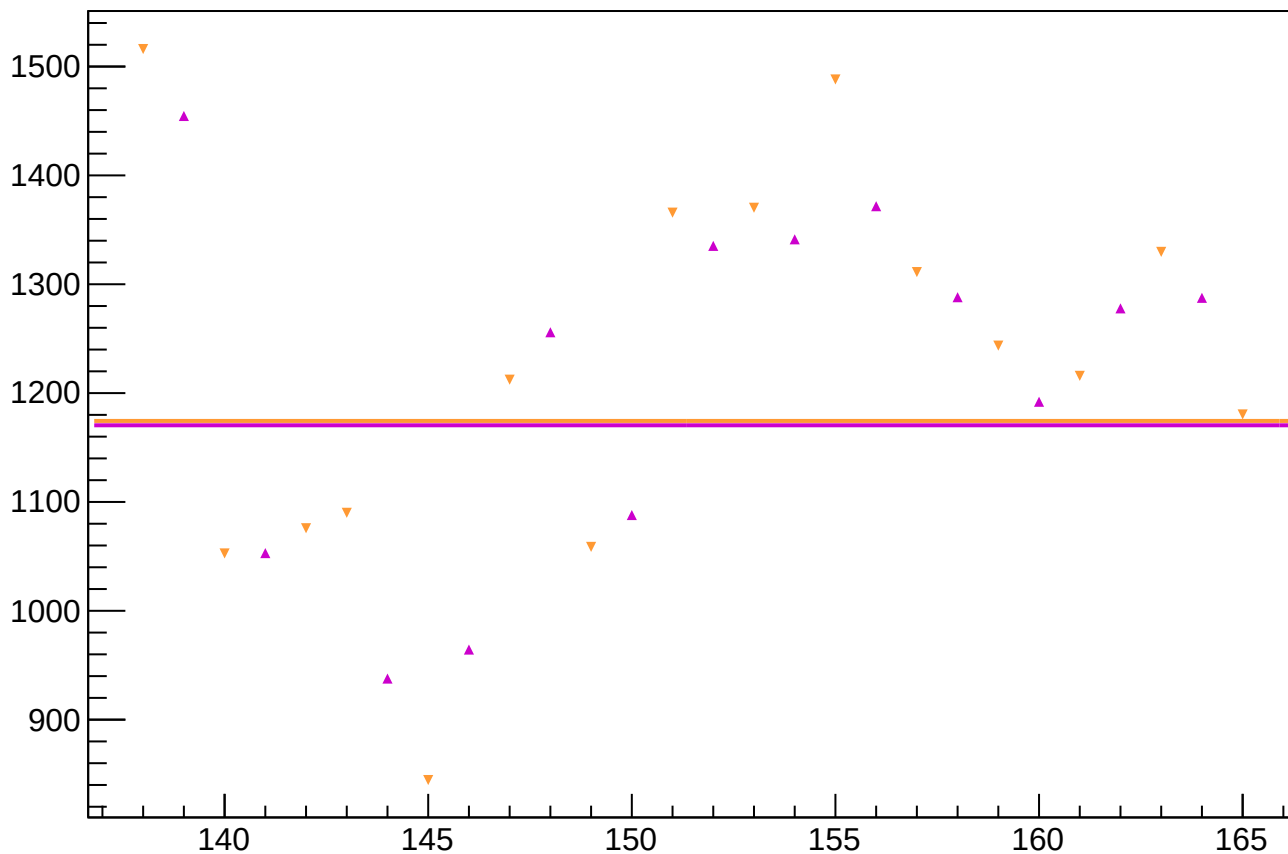
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 583.155+/-366.906 χ^2/NDF :7.6/12

Out: -2027.329+/-357.719 χ^2/NDF :22.0/14

All: -755.176+/-256.132 χ^2/NDF : 55.5/27

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1174.439+/-0.253 χ^2/NDF :533994.9/14

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

Left In: 1170.430+/-0.259 χ^2/NDF :397364.2/12

Left: 1172.485+/-0.181 χ^2/NDF : 931481.5/27

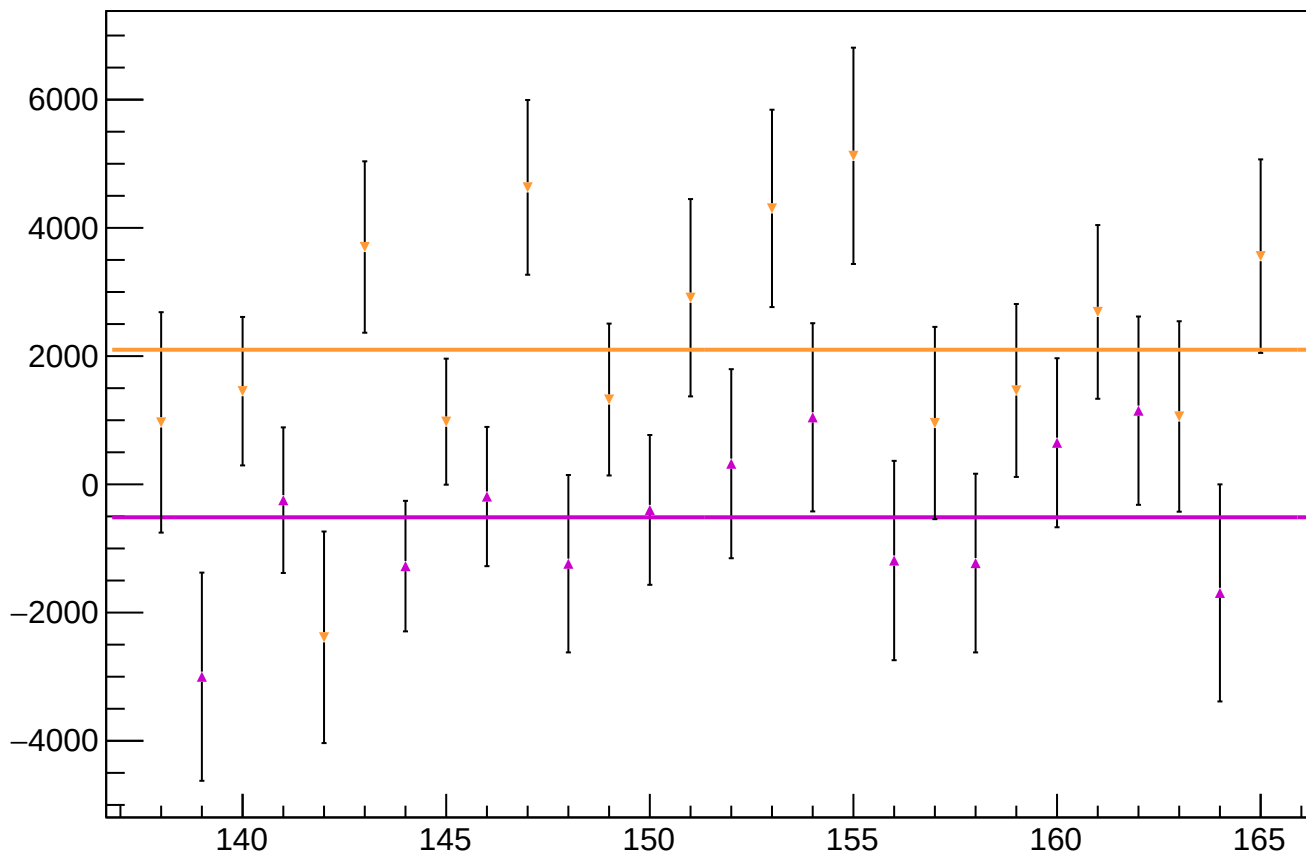
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1170.430+/-0.259 χ^2/NDF :397364.2/12

Out: 1174.439+/-0.253 χ^2/NDF :533994.9/14

All: 1172.485+/-0.181 χ^2/NDF : 931481.5/27

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 2099.547+/-355.206 χ^2/NDF :22.7/14

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

Left In: -513.765+/-366.015 χ^2/NDF :7.8/12

Left: 832.050+/-254.904 χ^2/NDF : 56.8/27

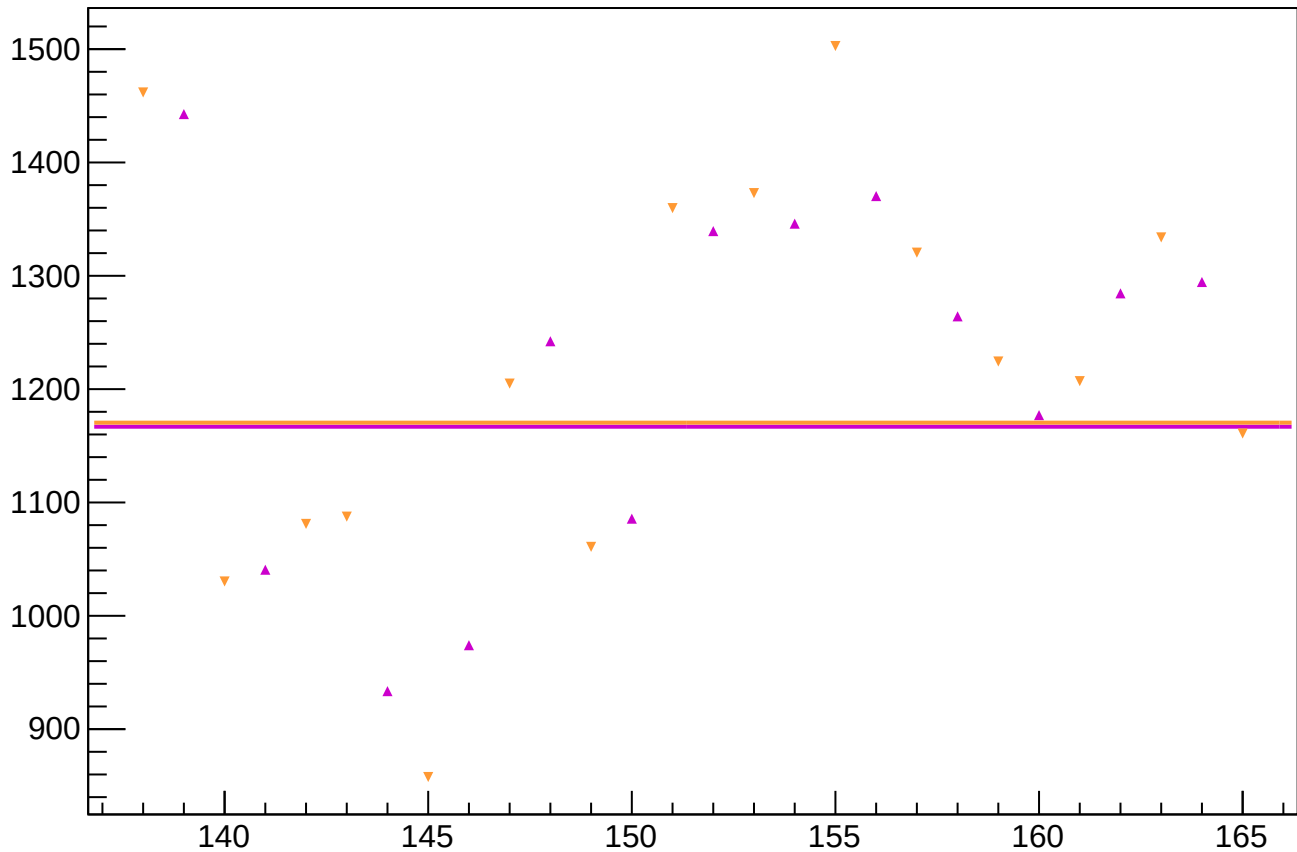
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -513.765+/-366.015 χ^2/NDF :7.8/12

Out: 2099.547+/-355.206 χ^2/NDF :22.7/14

All: 832.050+/-254.904 χ^2/NDF : 56.8/27

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 1170.434+/-0.251 χ^2/NDF :512647.0/14

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

Left In: 1166.855+/-0.259 χ^2/NDF :391743.5/12

Left: 1168.698+/-0.180 χ^2/NDF : 904489.1/27

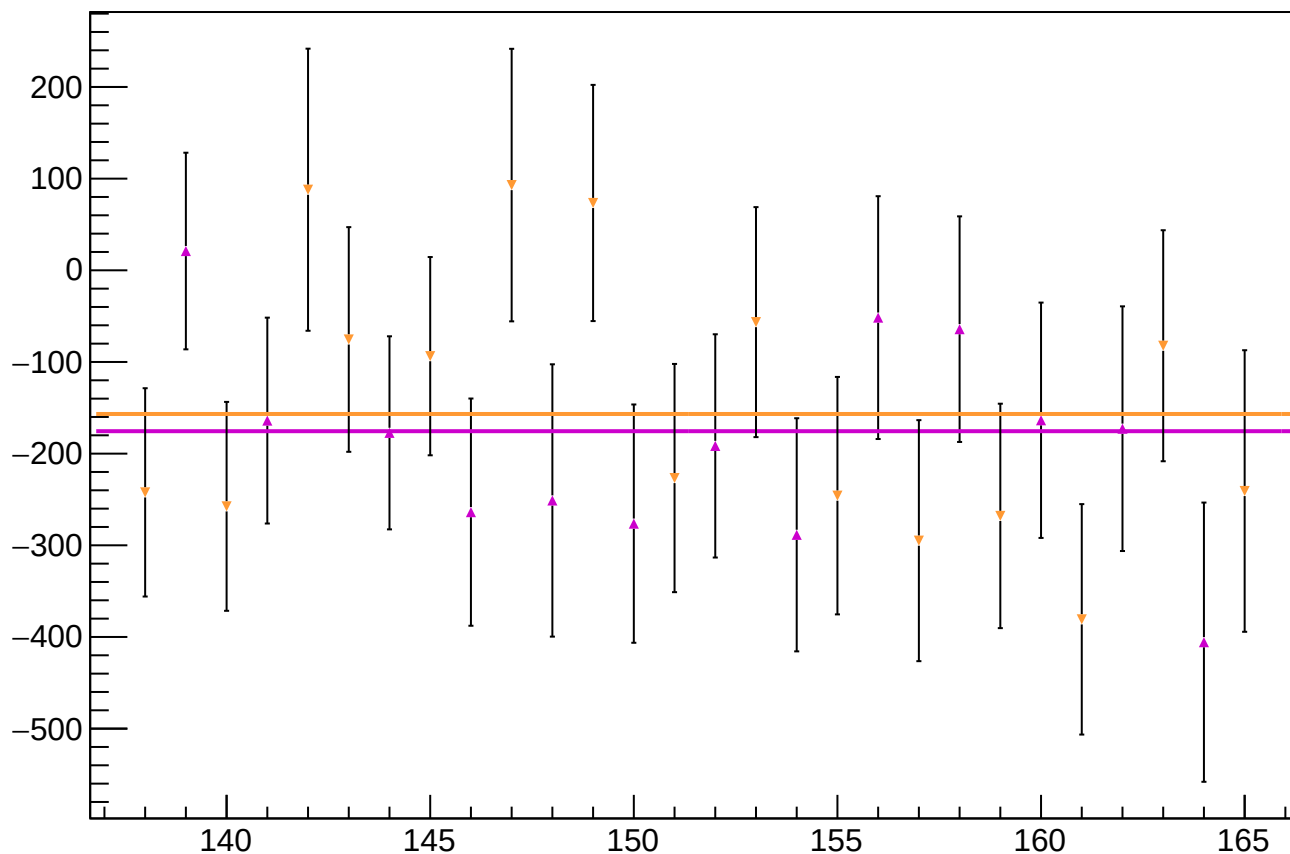
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1166.855+/-0.259 χ^2/NDF :391743.5/12

Out: 1170.434+/-0.251 χ^2/NDF :512647.0/14

All: 1168.698+/-0.180 χ^2/NDF : 904489.1/27

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -156.740+/-32.700 χ^2/NDF :17.9/14

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

Left In: -175.518+/-34.540 χ^2/NDF :9.5/12

Left: -165.616+/-23.746 χ^2/NDF : 27.5/27

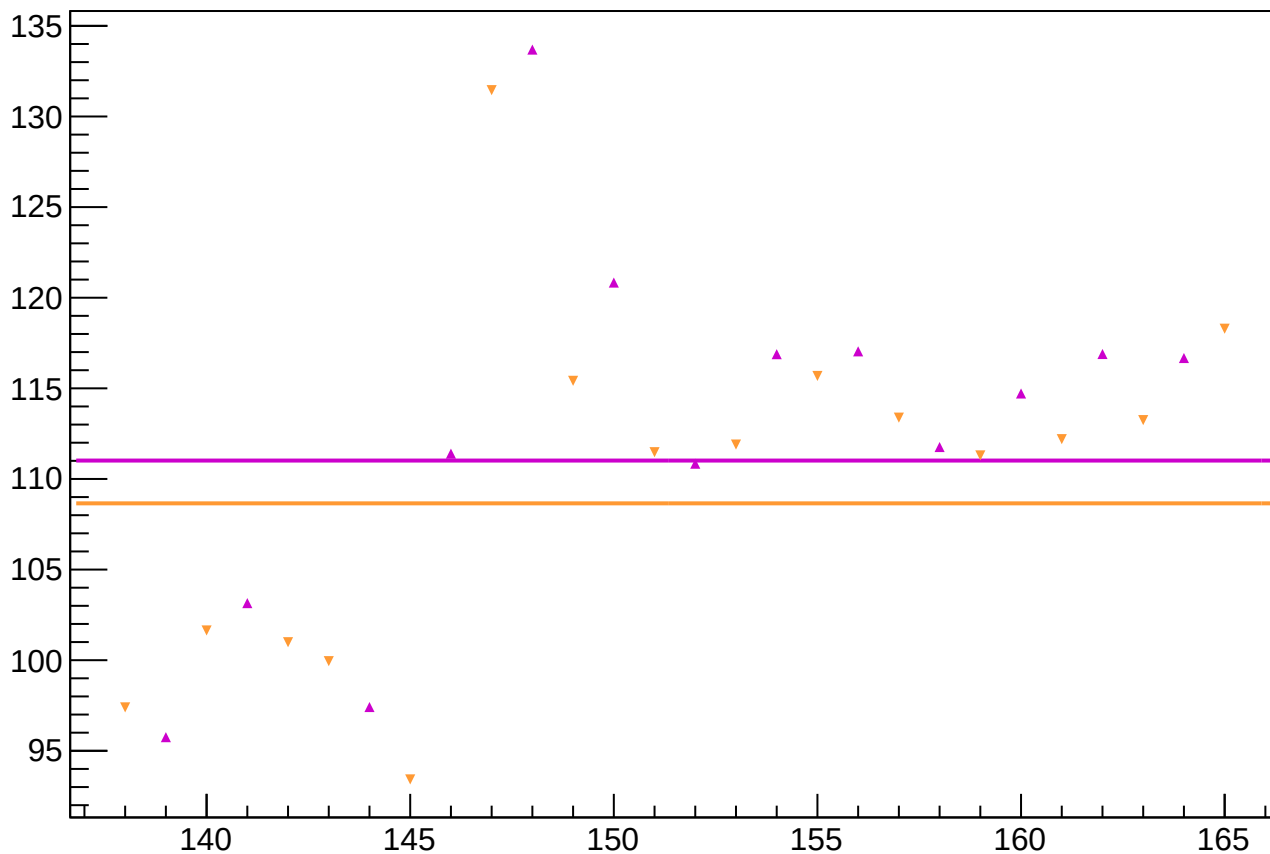
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -175.518+/-34.540 χ^2/NDF :9.5/12

Out: -156.740+/-32.700 χ^2/NDF :17.9/14

All: -165.616+/-23.746 χ^2/NDF : 27.5/27

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 108.654+/-0.023 χ^2/NDF :158382.8/14

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

Left In: 111.015+/-0.024 χ^2/NDF :158486.2/12

Left: 109.770+/-0.017 χ^2/NDF : 321797.9/27

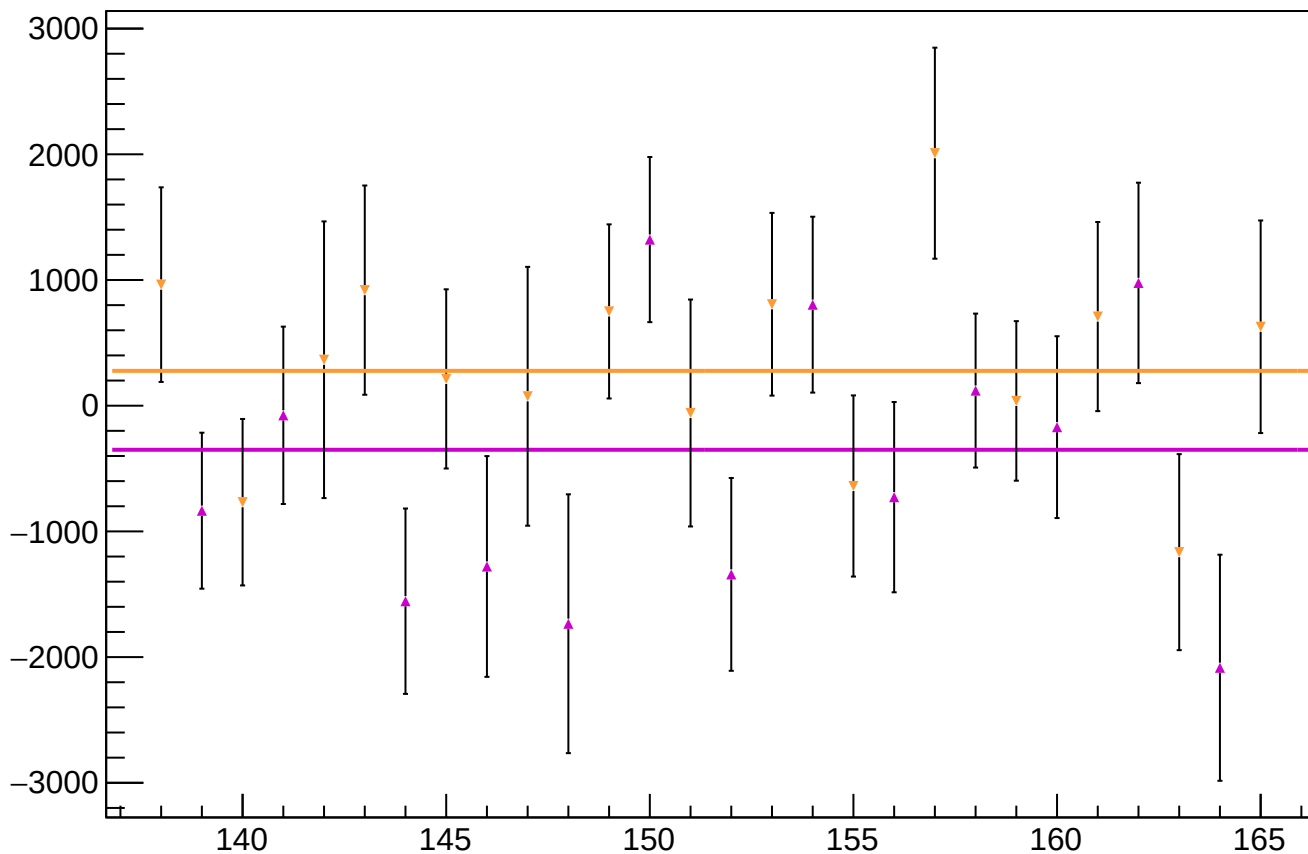
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 111.015+/-0.024 χ^2/NDF :158486.2/12

Out: 108.654+/-0.023 χ^2/NDF :158382.8/14

All: 109.770+/-0.017 χ^2/NDF : 321797.9/27

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 277.245+/-200.107 χ^2/NDF :15.0/14

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

Left In: -350.612+/-204.640 χ^2/NDF :24.6/12

Left: -29.653+/-143.073 χ^2/NDF : 44.4/27

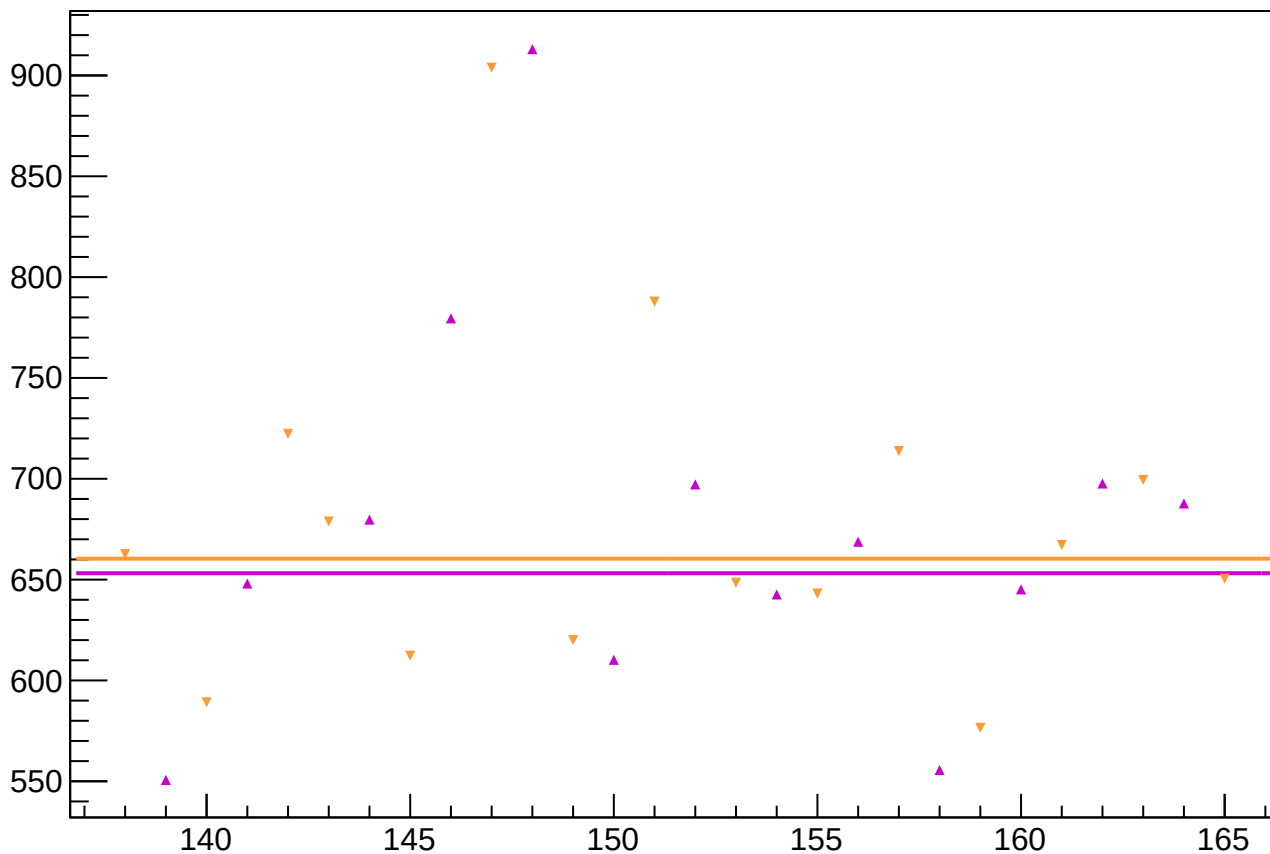
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -350.612+/-204.640 χ^2/NDF :24.6/12

Out: 277.245+/-200.107 χ^2/NDF :15.0/14

All: -29.653+/-143.073 χ^2/NDF : 44.4/27

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 660.382+/-0.141 χ^2/NDF :248251.3/14

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

Left In: 653.167+/-0.145 χ^2/NDF :302770.4/12

Left: 656.855+/-0.101 χ^2/NDF : 552292.5/27

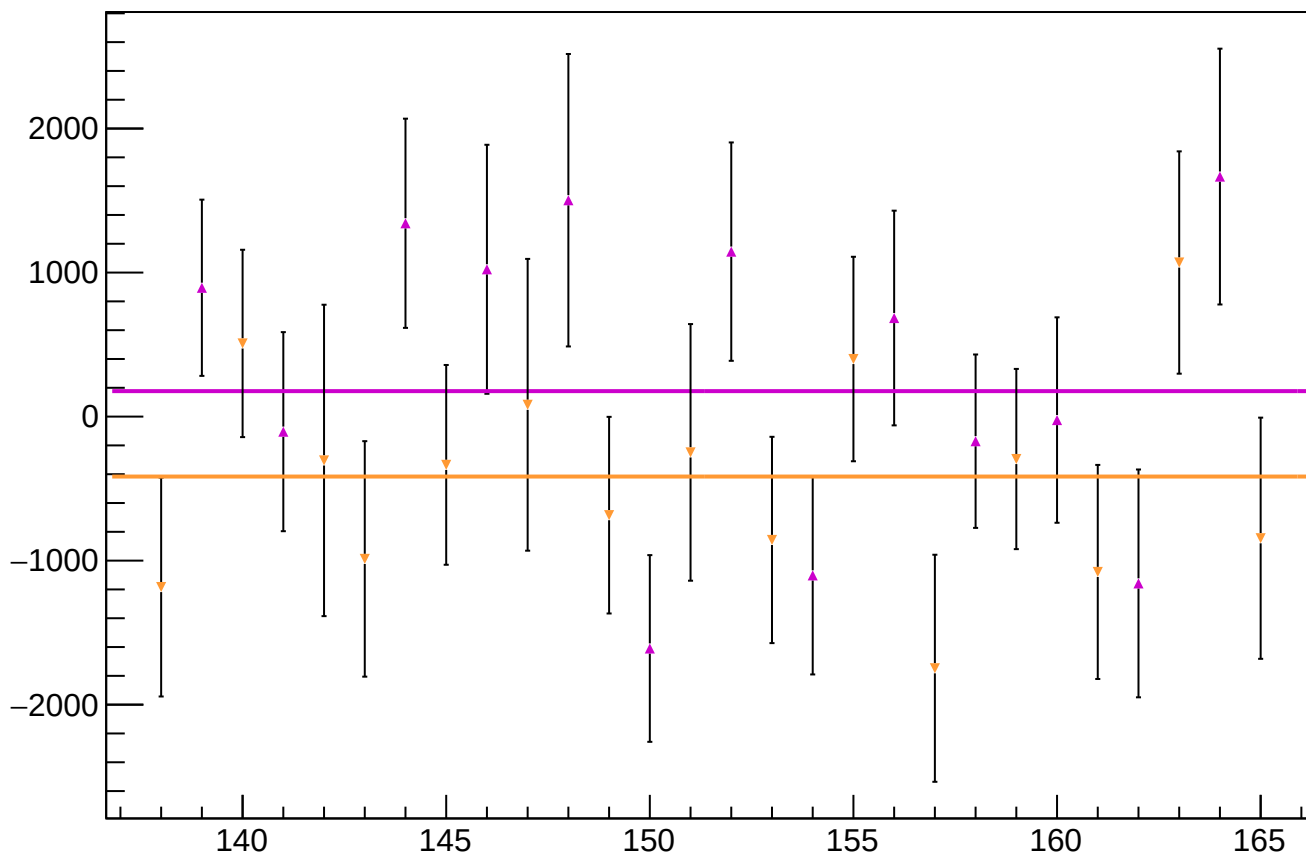
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 653.167+/-0.145 χ^2/NDF :302770.4/12

Out: 660.382+/-0.141 χ^2/NDF :248251.3/14

All: 656.855+/-0.101 χ^2/NDF : 552292.5/27

asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -416.219+/-196.417 χ^2/NDF :13.3/14

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

Left In: 176.829+/-201.639 χ^2/NDF :26.0/12

Left: -127.474+/-140.698 χ^2/NDF : 43.8/27

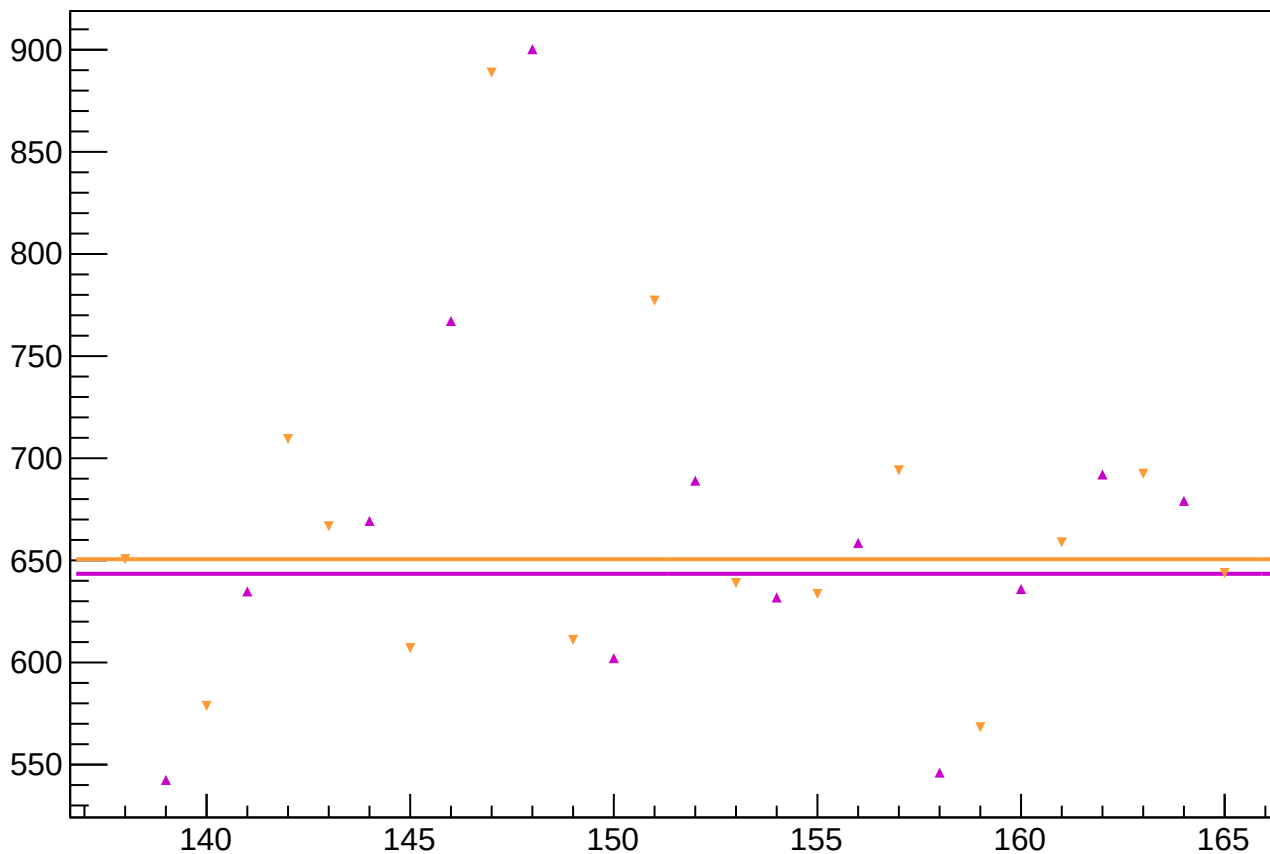
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 176.829+/-201.639 χ^2/NDF :26.0/12

Out: -416.219+/-196.417 χ^2/NDF :13.3/14

All: -127.474+/-140.698 χ^2/NDF : 43.8/27

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 650.563+/-0.139 χ^2/NDF :245367.8/14

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

Left In: 643.431+/-0.143 χ^2/NDF :306331.6/12

Left: 647.090+/-0.099 χ^2/NDF : 552983.2/27

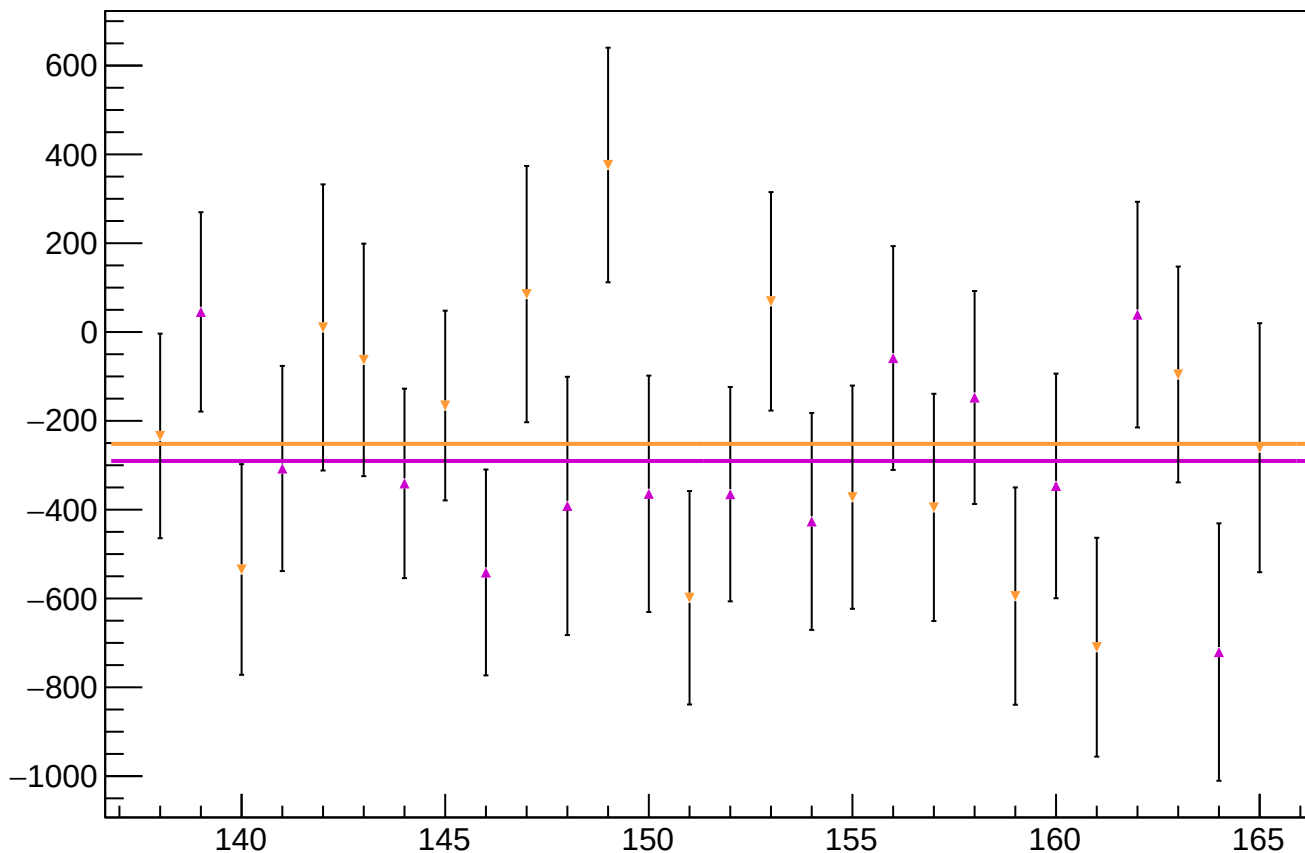
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 643.431+/-0.143 χ^2/NDF :306331.6/12

Out: 650.563+/-0.139 χ^2/NDF :245367.8/14

All: 647.090+/-0.099 χ^2/NDF : 552983.2/27

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -251.723 $\pm$ 64.970 χ^2 /NDF:19.9/14

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

Left In: -290.345 $\pm$ 68.166 χ^2 /NDF:9.2/12

Left: -270.108 $\pm$ 47.030 χ^2 /NDF: 29.3/27

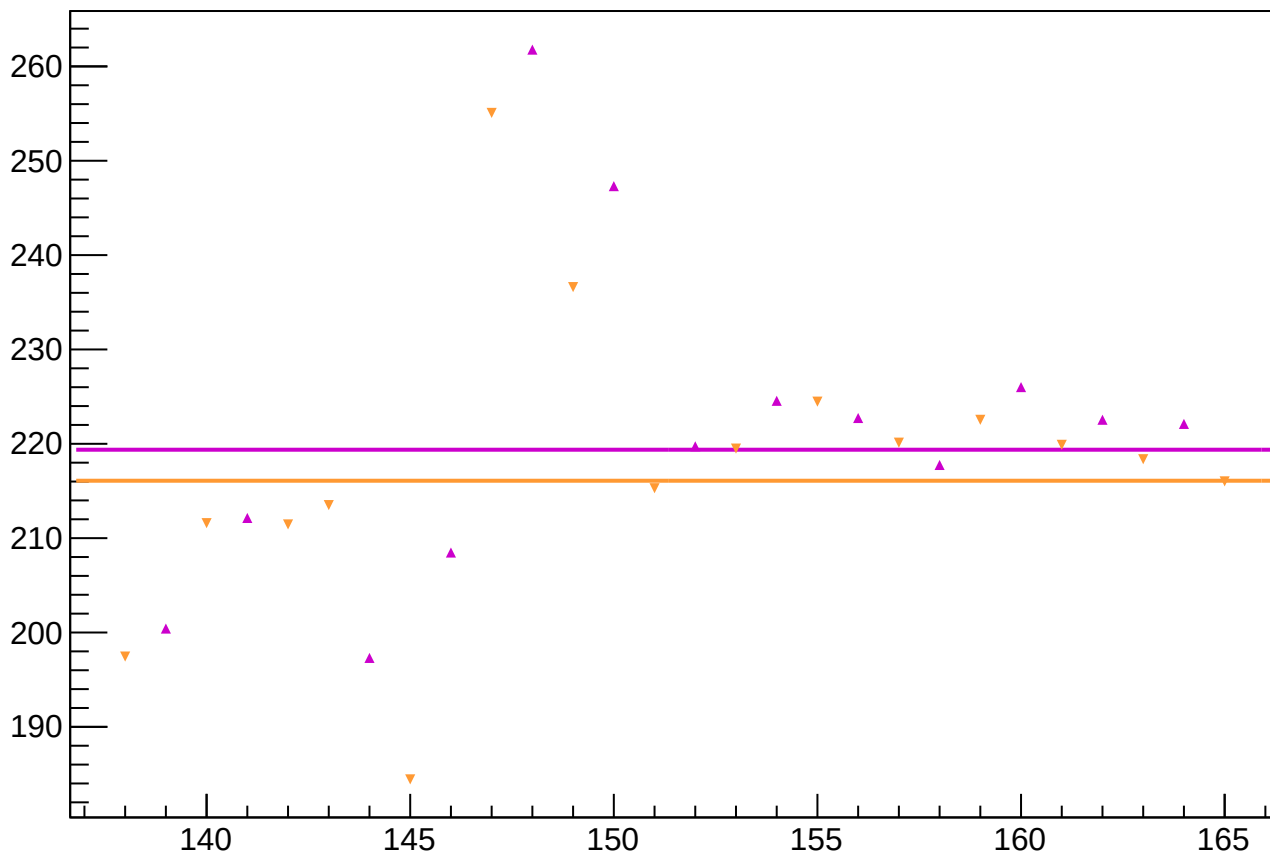
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -290.345 $\pm$ 68.166 χ^2 /NDF:9.2/12

Out: -251.723 $\pm$ 64.970 χ^2 /NDF:19.9/14

All: -270.108 $\pm$ 47.030 χ^2 /NDF: 29.3/27

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 216.087+/-0.046 χ^2/NDF :112097.8/14

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

Left In: 219.373+/-0.048 χ^2/NDF :109829.2/12

Left: 217.651+/-0.033 χ^2/NDF : 224362.8/27

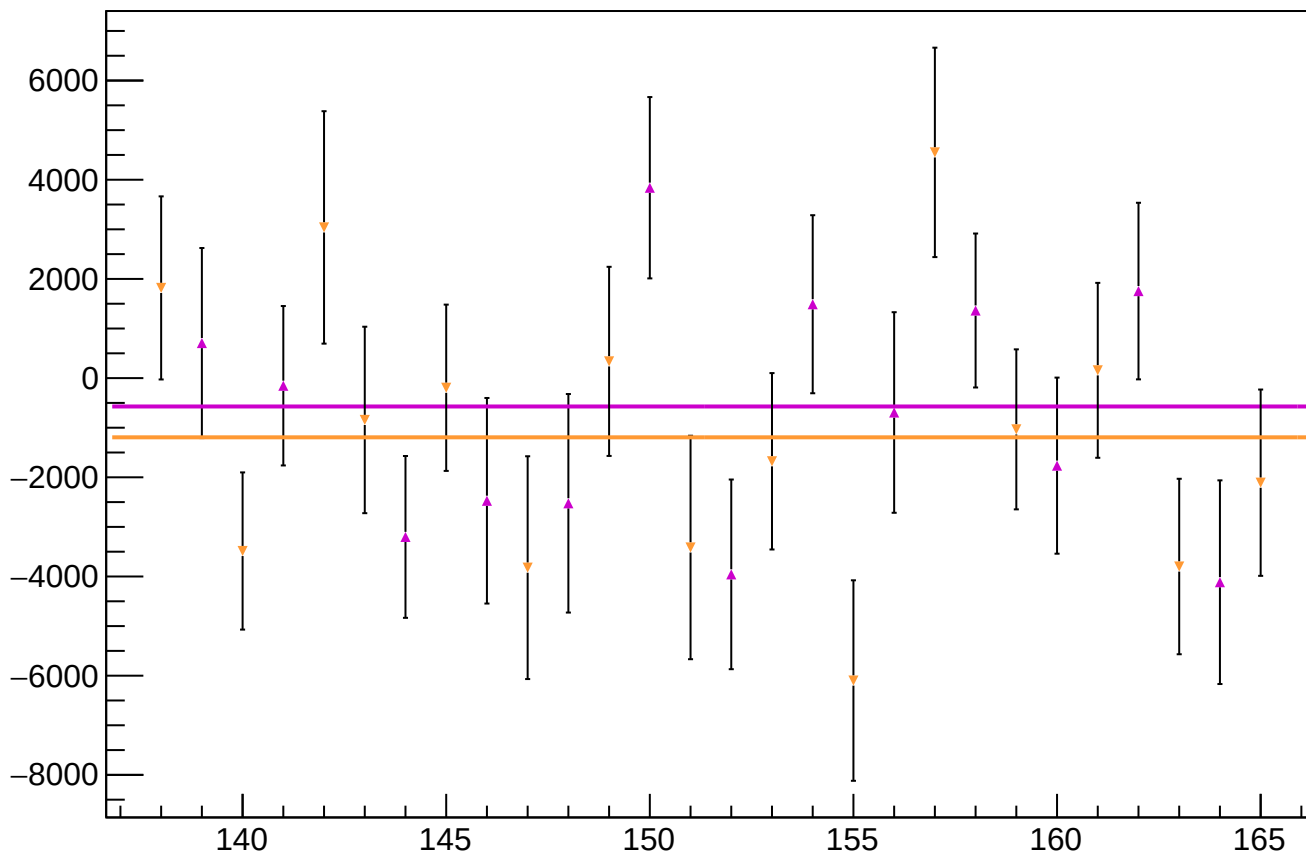
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 219.373+/-0.048 χ^2/NDF :109829.2/12

Out: 216.087+/-0.046 χ^2/NDF :112097.8/14

All: 217.651+/-0.033 χ^2/NDF : 224362.8/27

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1193.890+/-483.541 χ^2/NDF :27.8/14

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

Left In: -571.922+/-507.253 χ^2/NDF :21.7/12

Left: -897.783+/-349.997 χ^2/NDF : 50.3/27

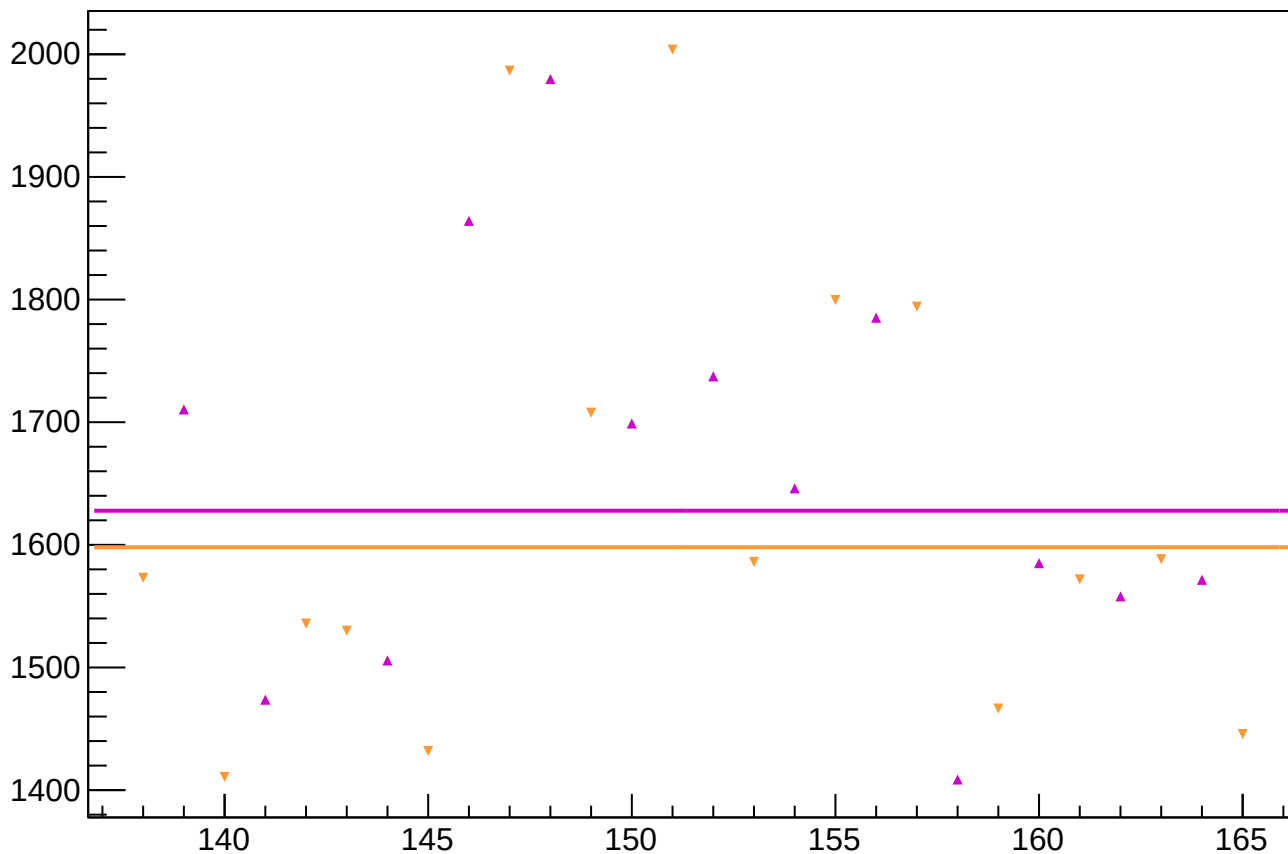
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -571.922+/-507.253 χ^2/NDF :21.7/12

Out: -1193.890+/-483.541 χ^2/NDF :27.8/14

All: -897.783+/-349.997 χ^2/NDF : 50.3/27

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1598.020+/-0.342 χ^2/NDF :247581.1/14

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

Left In: 1627.843+/-0.359 χ^2/NDF :177900.1/12

Left: 1612.218+/-0.247 χ^2/NDF : 429103.3/27

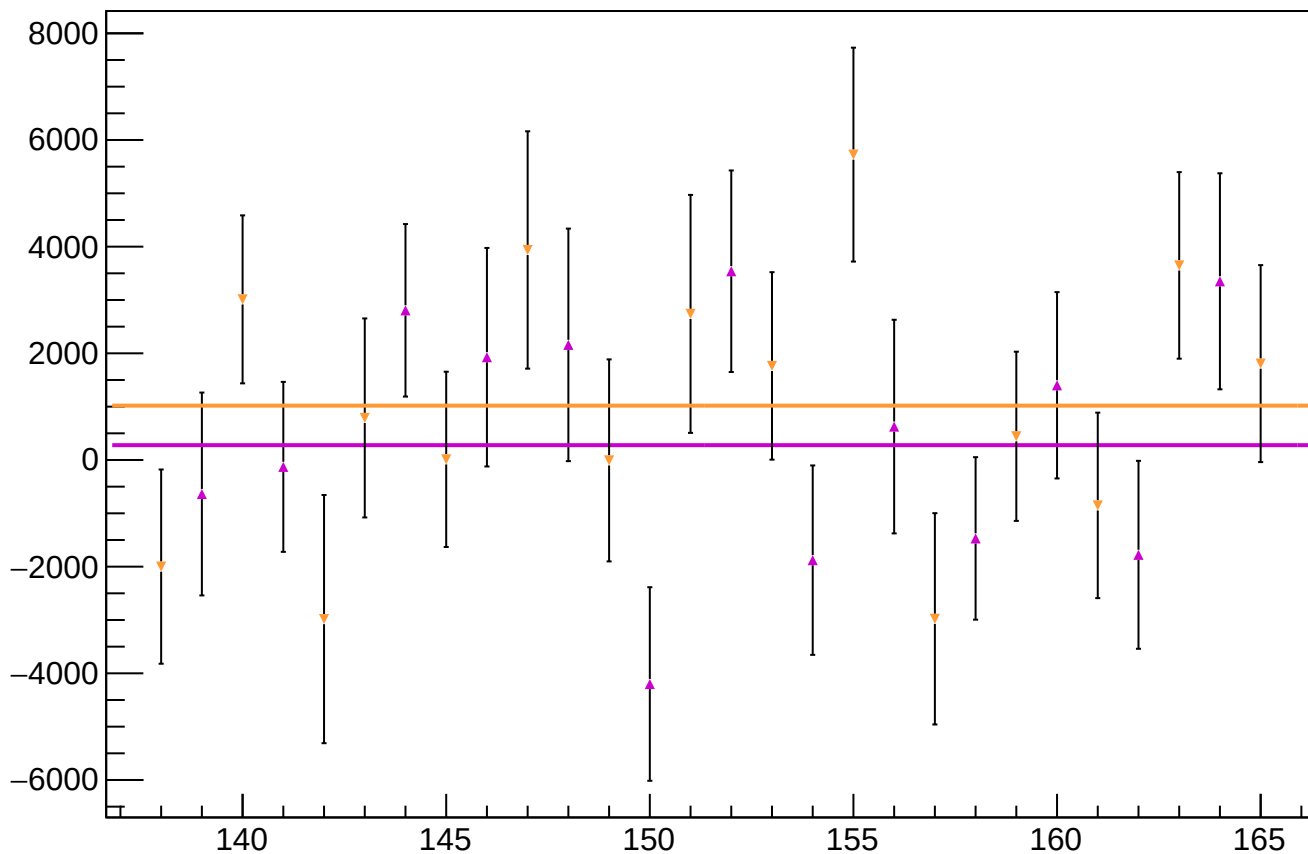
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1627.843+/-0.359 χ^2/NDF :177900.1/12

Out: 1598.020+/-0.342 χ^2/NDF :247581.1/14

All: 1612.218+/-0.247 χ^2/NDF : 429103.3/27

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 1019.040+/-476.509 χ^2/NDF :23.8/14

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

Left In: 277.948+/-501.517 χ^2/NDF :20.1/12

Left: 667.431+/-345.445 χ^2/NDF : 45.0/27

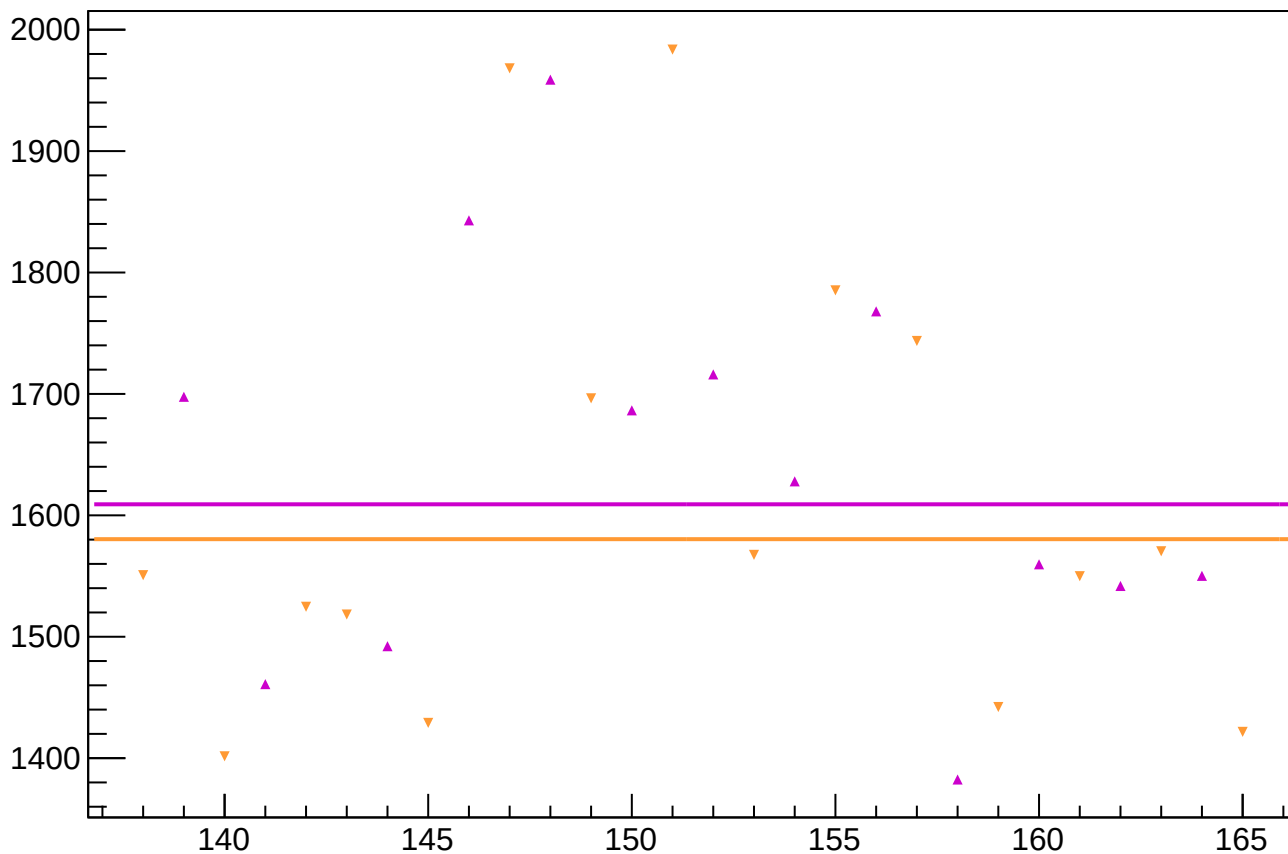
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 277.948+/-501.517 χ^2/NDF :20.1/12

Out: 1019.040+/-476.509 χ^2/NDF :23.8/14

All: 667.431+/-345.445 χ^2/NDF : 45.0/27

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 1580.375+/-0.337 χ^2/NDF :245456.8/14

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

Left In: 1609.091+/-0.355 χ^2/NDF :182951.2/12

Left: 1593.999+/-0.244 χ^2/NDF : 431854.1/27

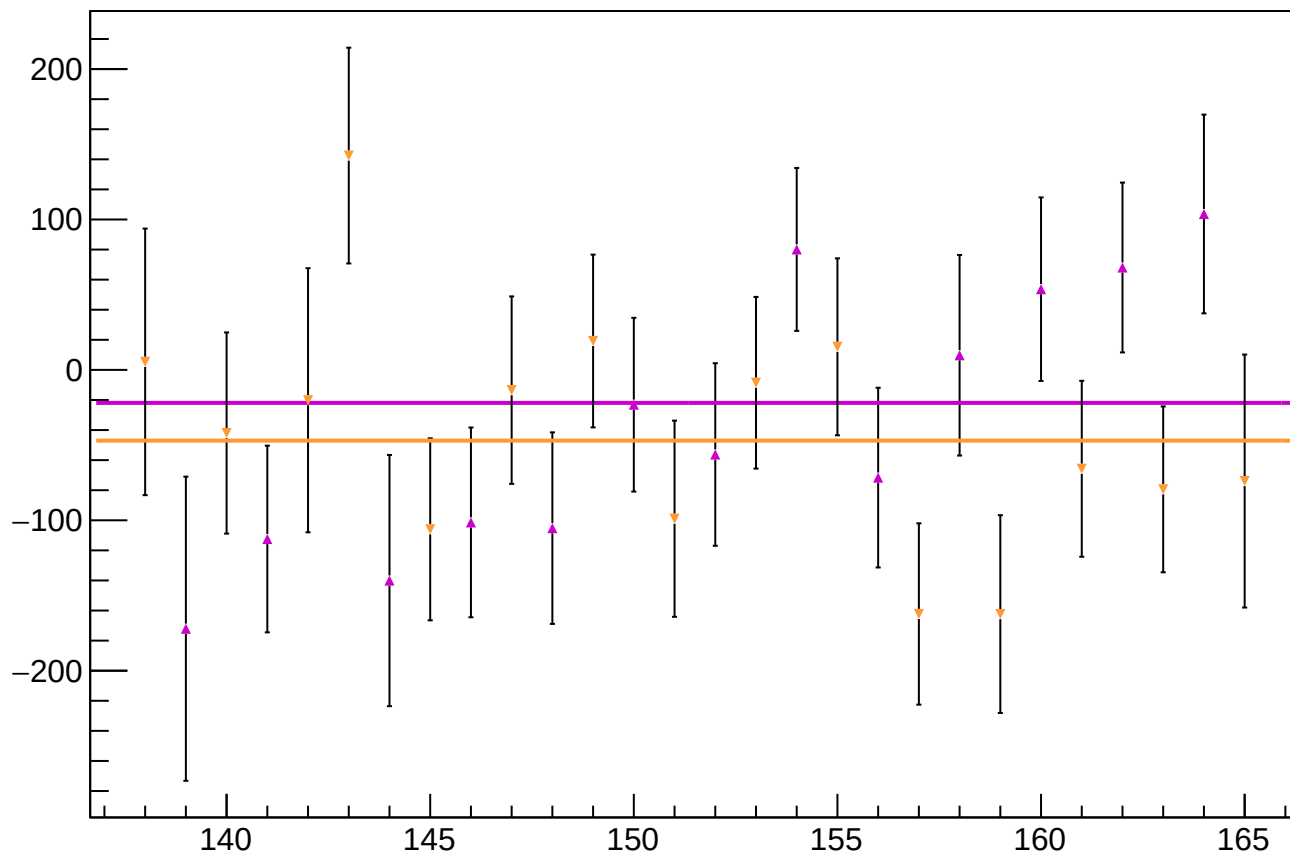
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1609.091+/-0.355 χ^2/NDF :182951.2/12

Out: 1580.375+/-0.337 χ^2/NDF :245456.8/14

All: 1593.999+/-0.244 χ^2/NDF : 431854.1/27

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -47.023 ± 16.647 $\chi^2/\text{NDF}: 19.5/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -21.937 ± 17.604 $\chi^2/\text{NDF}: 22.1/12$

Left: -35.180 ± 12.095 $\chi^2/\text{NDF}: 42.7/27$

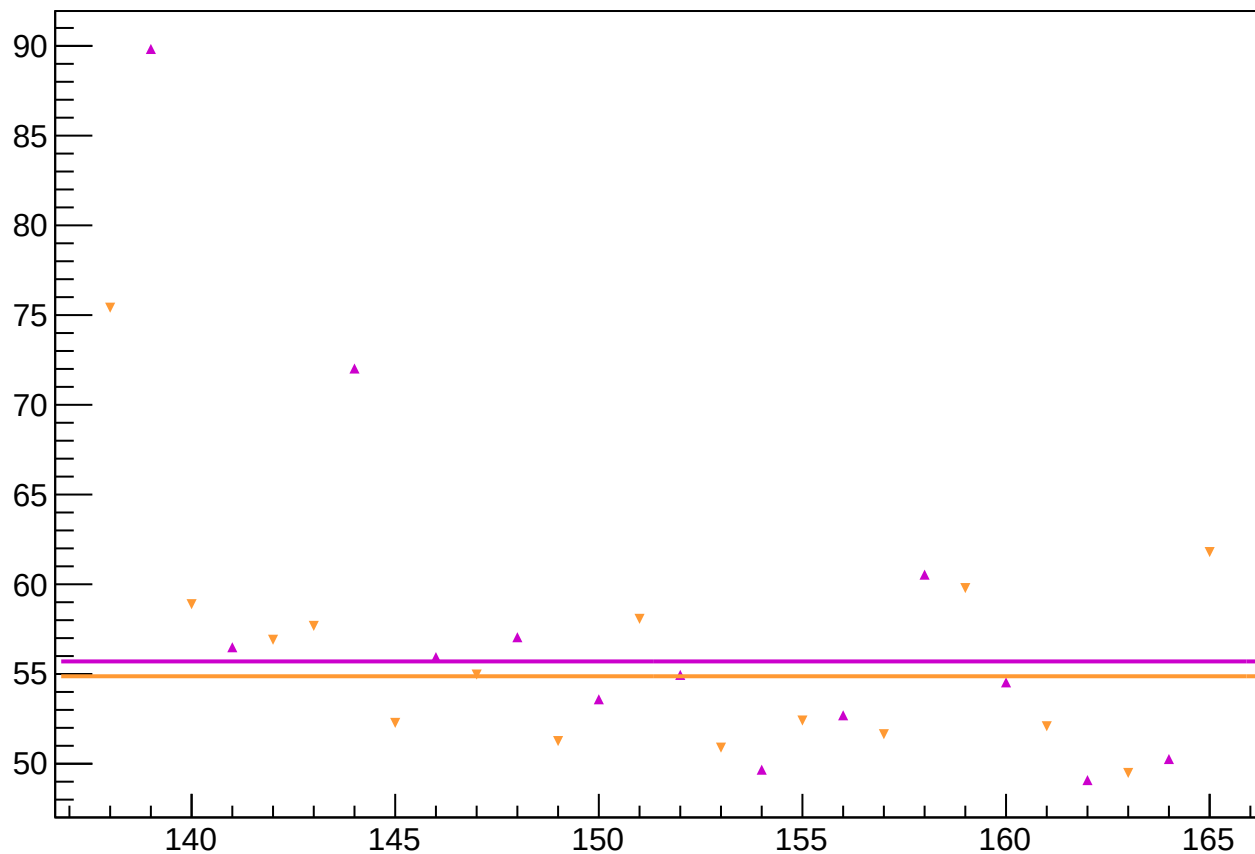
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -21.937 ± 17.604 $\chi^2/\text{NDF}: 22.1/12$

Out: -47.023 ± 16.647 $\chi^2/\text{NDF}: 19.5/14$

All: -35.180 ± 12.095 $\chi^2/\text{NDF}: 42.7/27$

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.874 $\pm$ 0.012 χ^2/NDF :202477.2/14

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

Left In: 55.701 $\pm$ 0.012 χ^2/NDF :390527.7/12

Left: 55.265 $\pm$ 0.009 χ^2/NDF : 595335.3/27

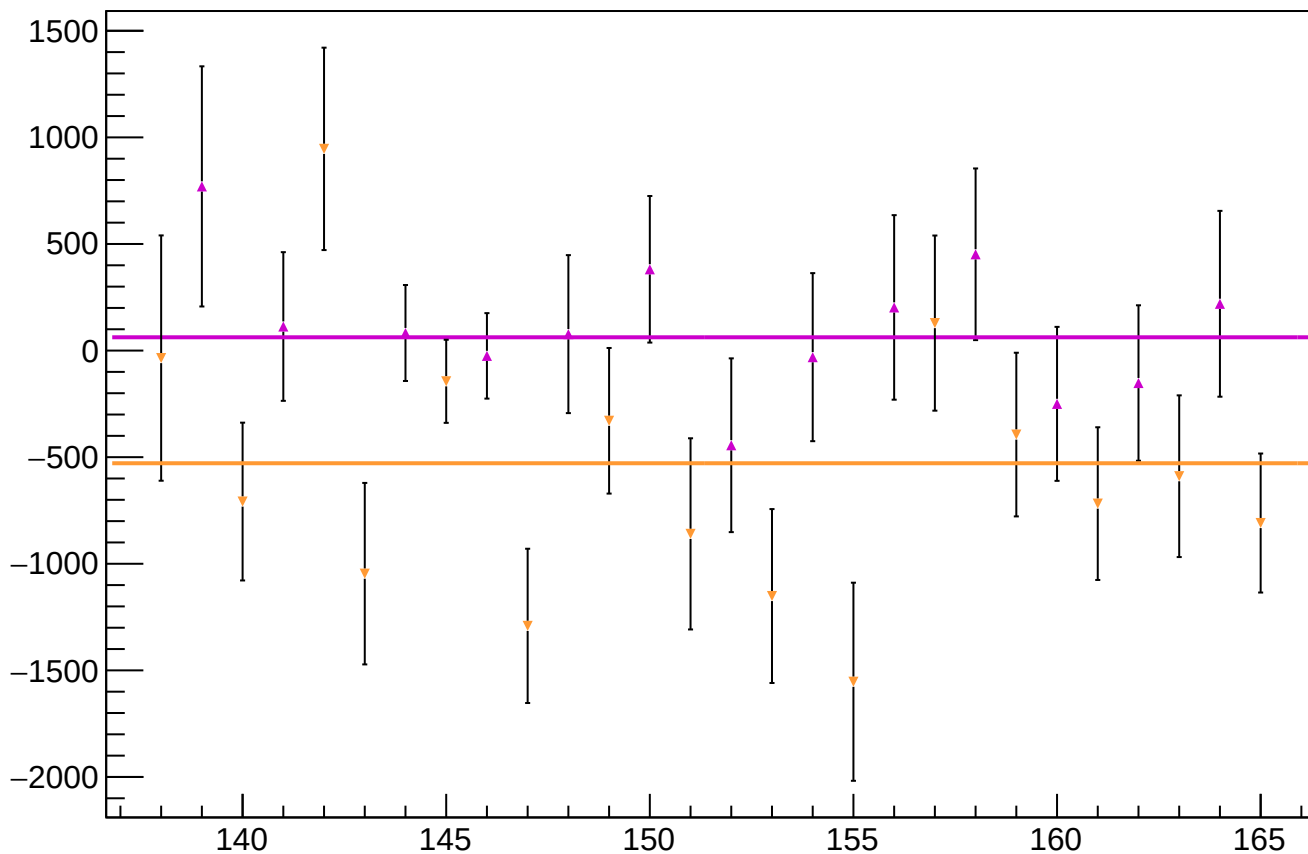
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 55.701 $\pm$ 0.012 χ^2/NDF :390527.7/12

Out: 54.874 $\pm$ 0.012 χ^2/NDF :202477.2/14

All: 55.265 $\pm$ 0.009 χ^2/NDF : 595335.3/27

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -528.493+/-93.122 χ^2/NDF :32.3/14

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

Left In: 62.354+/-92.780 χ^2/NDF :6.5/12

Left: -231.983+/-65.726 χ^2/NDF : 59.0/27

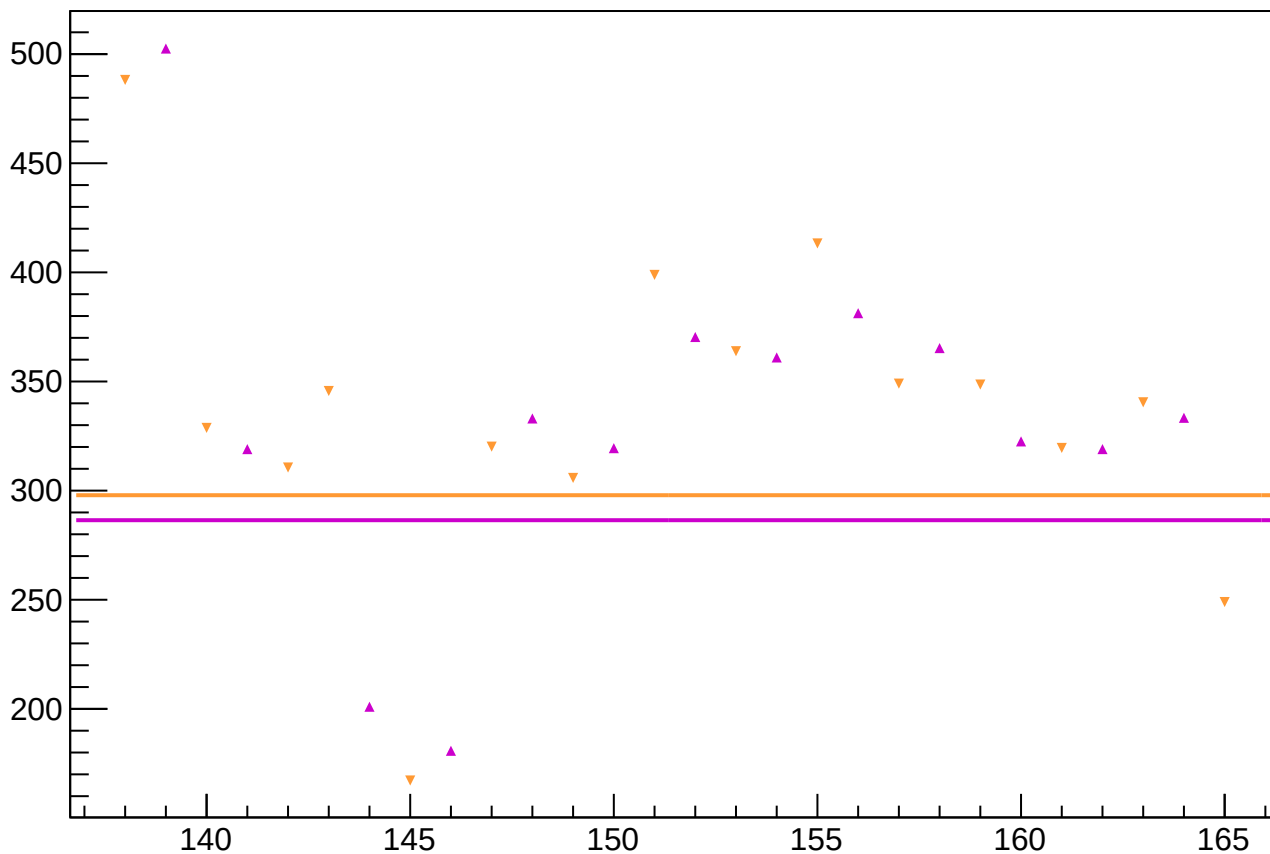
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.354+/-92.780 χ^2/NDF :6.5/12

Out: -528.493+/-93.122 χ^2/NDF :32.3/14

All: -231.983+/-65.726 χ^2/NDF : 59.0/27

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 297.897±/-0.066 χ^2/NDF :1588352.4/14

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

Left In: 286.450±/-0.066 χ^2/NDF :1594102.8/12

Left: 292.153±/-0.046 χ^2/NDF : 3197622.0/27

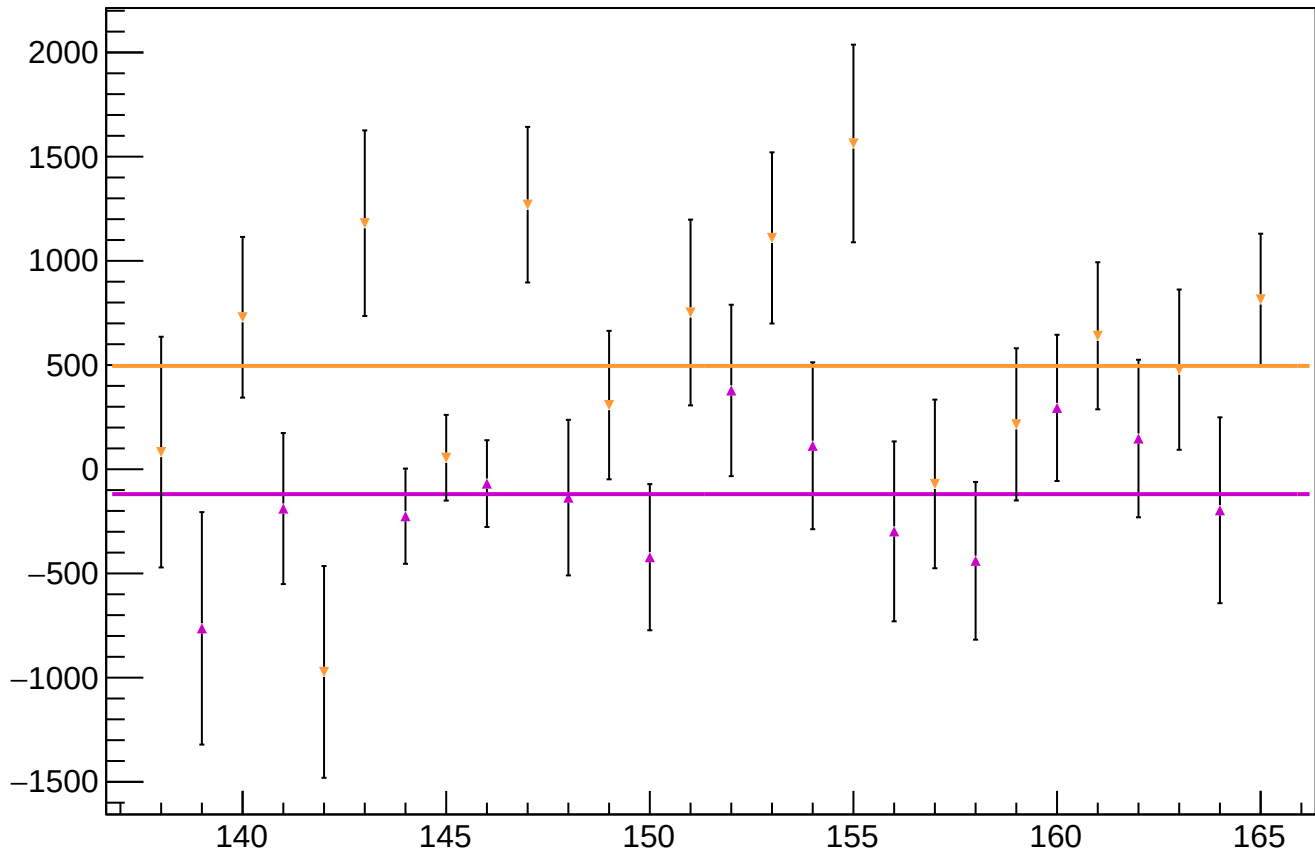
Right: 0.000±/-0.000 χ^2/NDF : 0.0/0

In: 286.450±/-0.066 χ^2/NDF :1594102.8/12

Out: 297.897±/-0.066 χ^2/NDF :1588352.4/14

All: 292.153±/-0.046 χ^2/NDF : 3197622.0/27

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: 495.885+/-94.713 χ^2/NDF :32.2/14

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

Left In: -119.432+/-94.067 χ^2/NDF :7.0/12

Left: 186.119+/-66.743 χ^2/NDF : 60.4/27

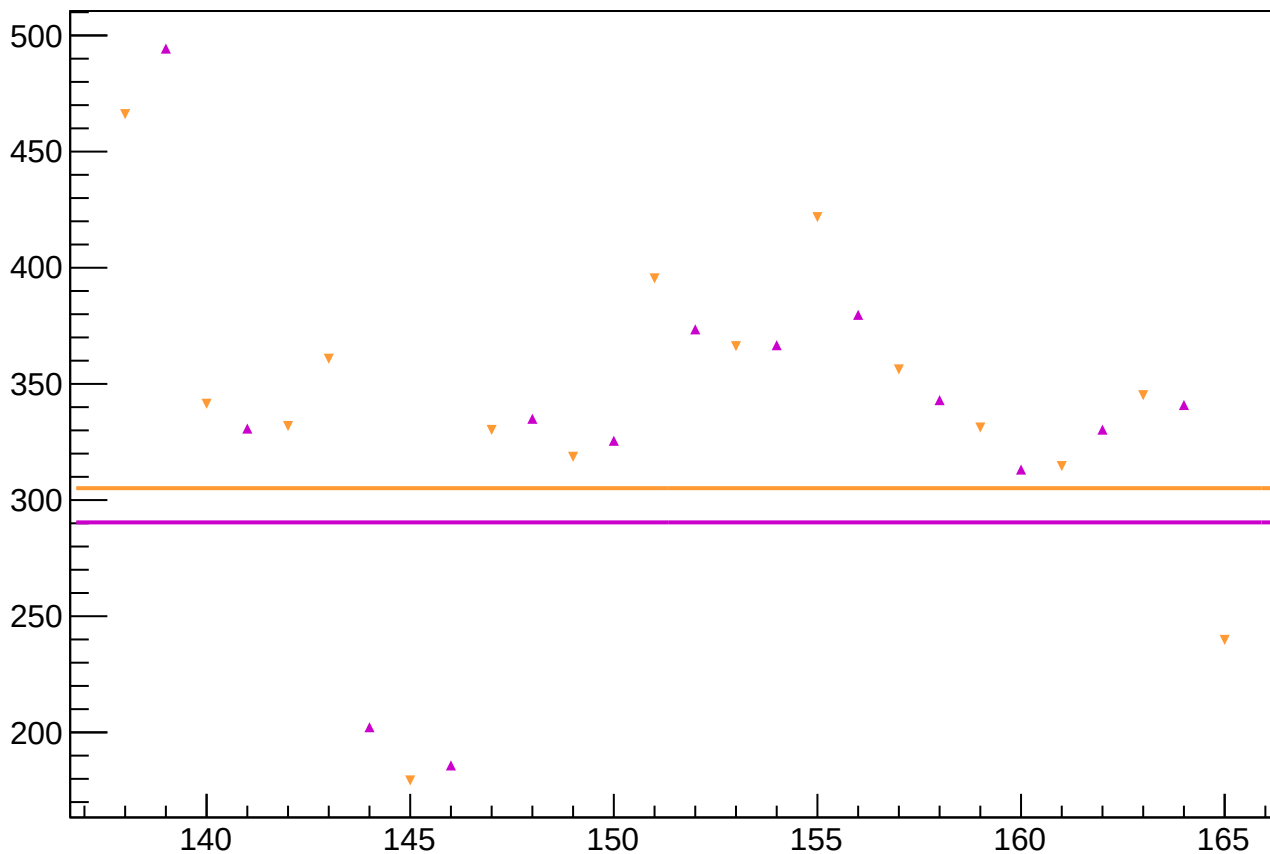
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -119.432+/-94.067 χ^2/NDF :7.0/12

Out: 495.885+/-94.713 χ^2/NDF :32.2/14

All: 186.119+/-66.743 χ^2/NDF : 60.4/27

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 305.122+/-0.067 χ^2/NDF :1382612.5/14

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

Left In: 290.394+/-0.067 χ^2/NDF :1478434.8/12

Left: 297.707+/-0.047 χ^2/NDF : 2885394.7/27

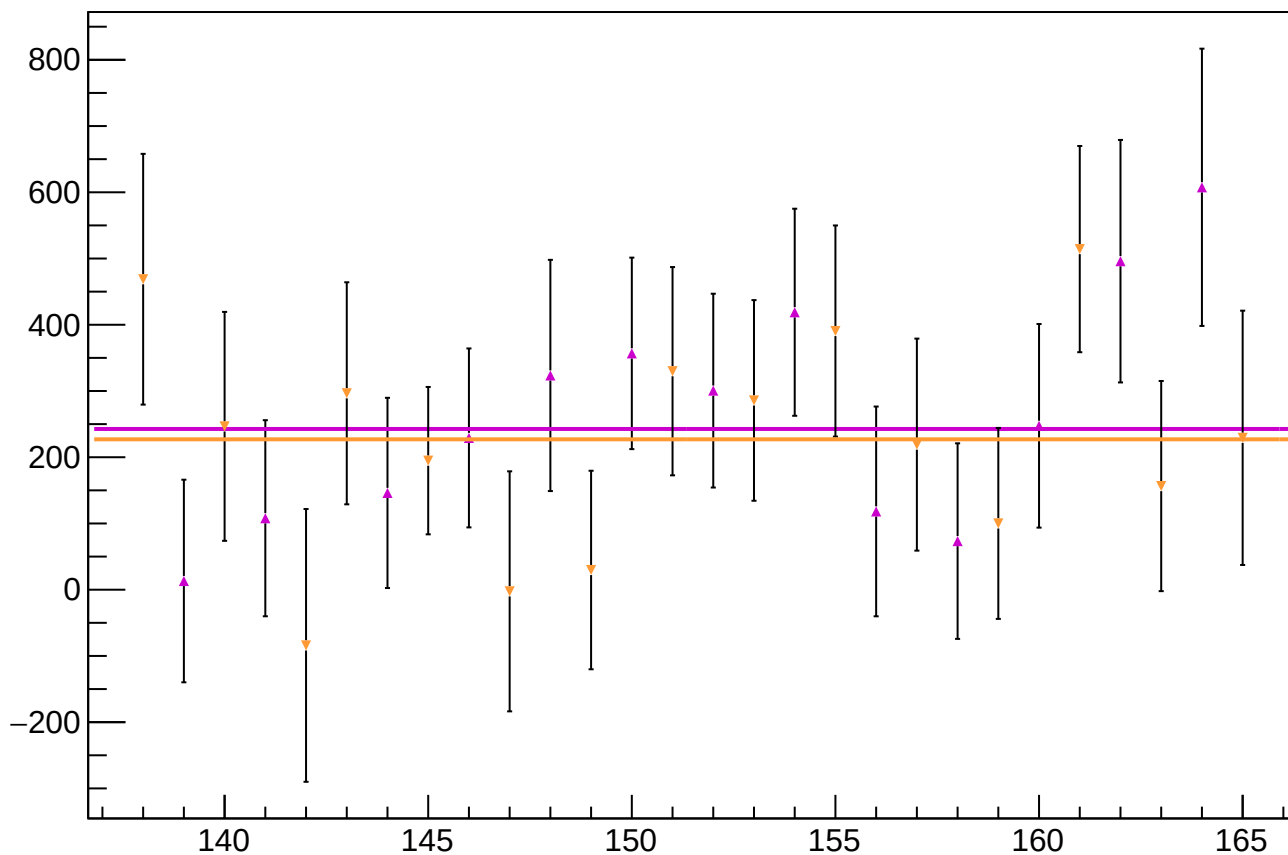
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 290.394+/-0.067 χ^2/NDF :1478434.8/12

Out: 305.122+/-0.067 χ^2/NDF :1382612.5/14

All: 297.707+/-0.047 χ^2/NDF : 2885394.7/27

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 227.051+/-40.994 χ^2/NDF :13.5/14

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

Left In: 242.675+/-43.001 χ^2/NDF :12.7/12

Left: 234.490+/-29.671 χ^2/NDF : 26.3/27

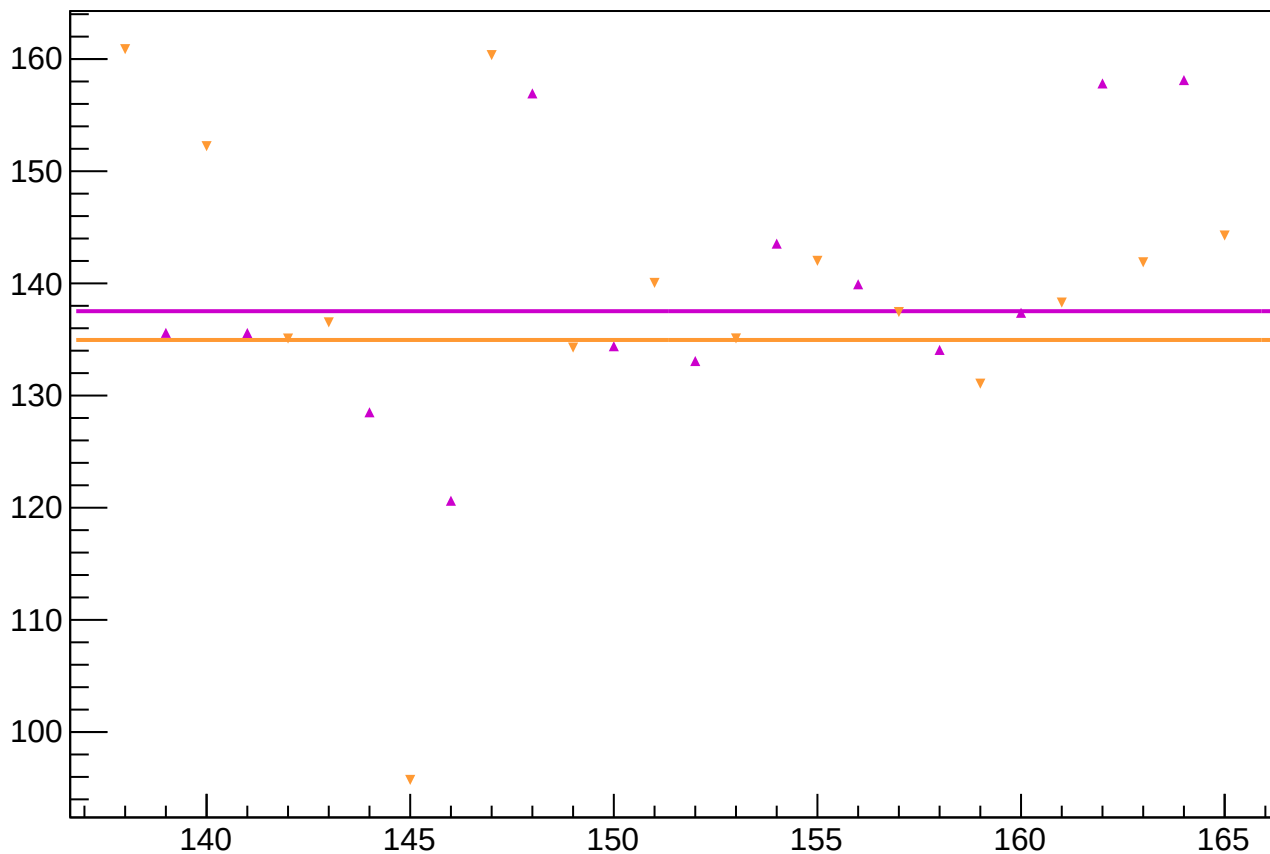
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 242.675+/-43.001 χ^2/NDF :12.7/12

Out: 227.051+/-40.994 χ^2/NDF :13.5/14

All: 234.490+/-29.671 χ^2/NDF : 26.3/27

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 134.956+/-0.029 χ^2/NDF :362971.1/14

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

Left In: 137.522+/-0.030 χ^2/NDF :115886.9/12

Left: 136.177+/-0.021 χ^2/NDF : 482589.4/27

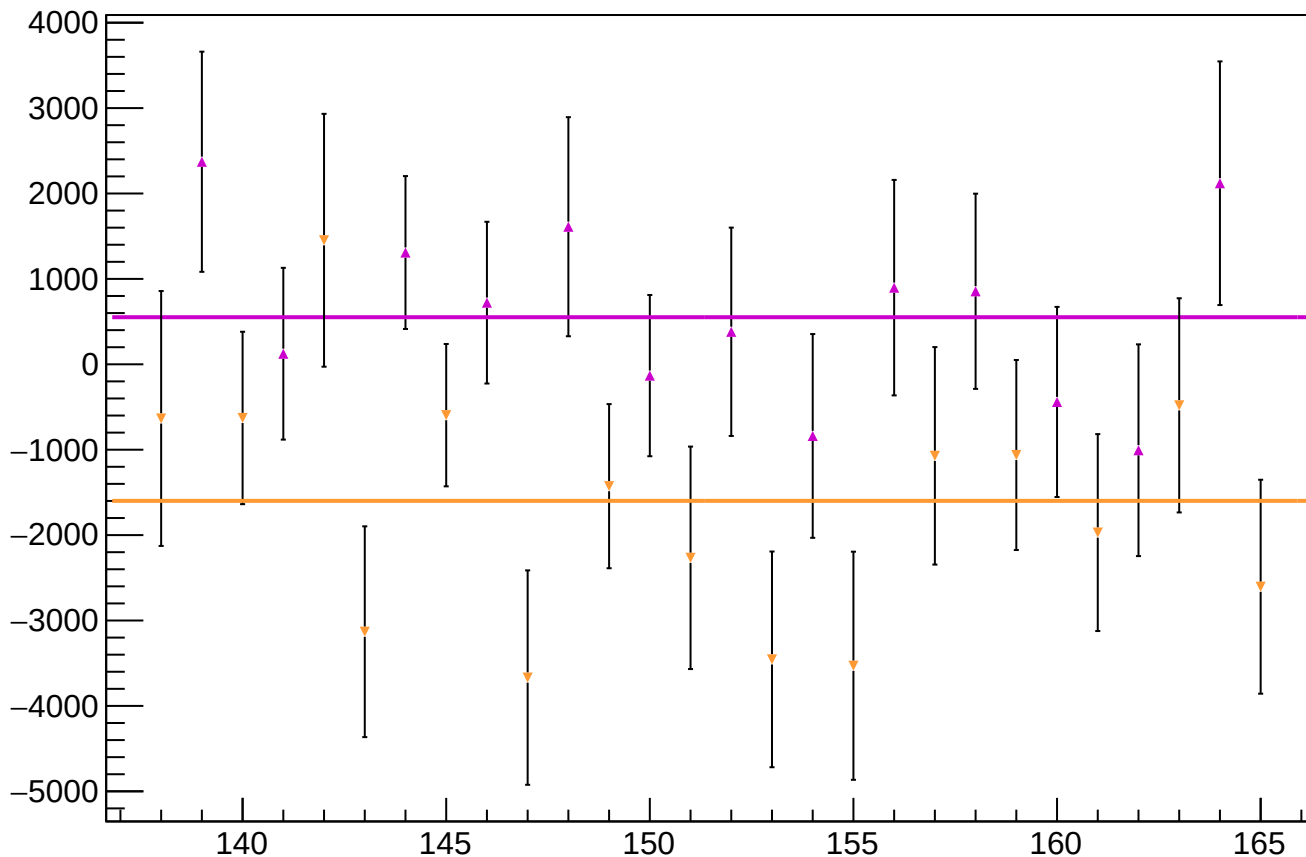
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 137.522+/-0.030 χ^2/NDF :115886.9/12

Out: 134.956+/-0.029 χ^2/NDF :362971.1/14

All: 136.177+/-0.021 χ^2/NDF : 482589.4/27

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1598.967+/-302.507 χ^2/NDF :17.8/14

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

Left In: 551.456+/-310.056 χ^2/NDF :9.2/12

Left: -550.253+/-216.524 χ^2/NDF : 51.7/27

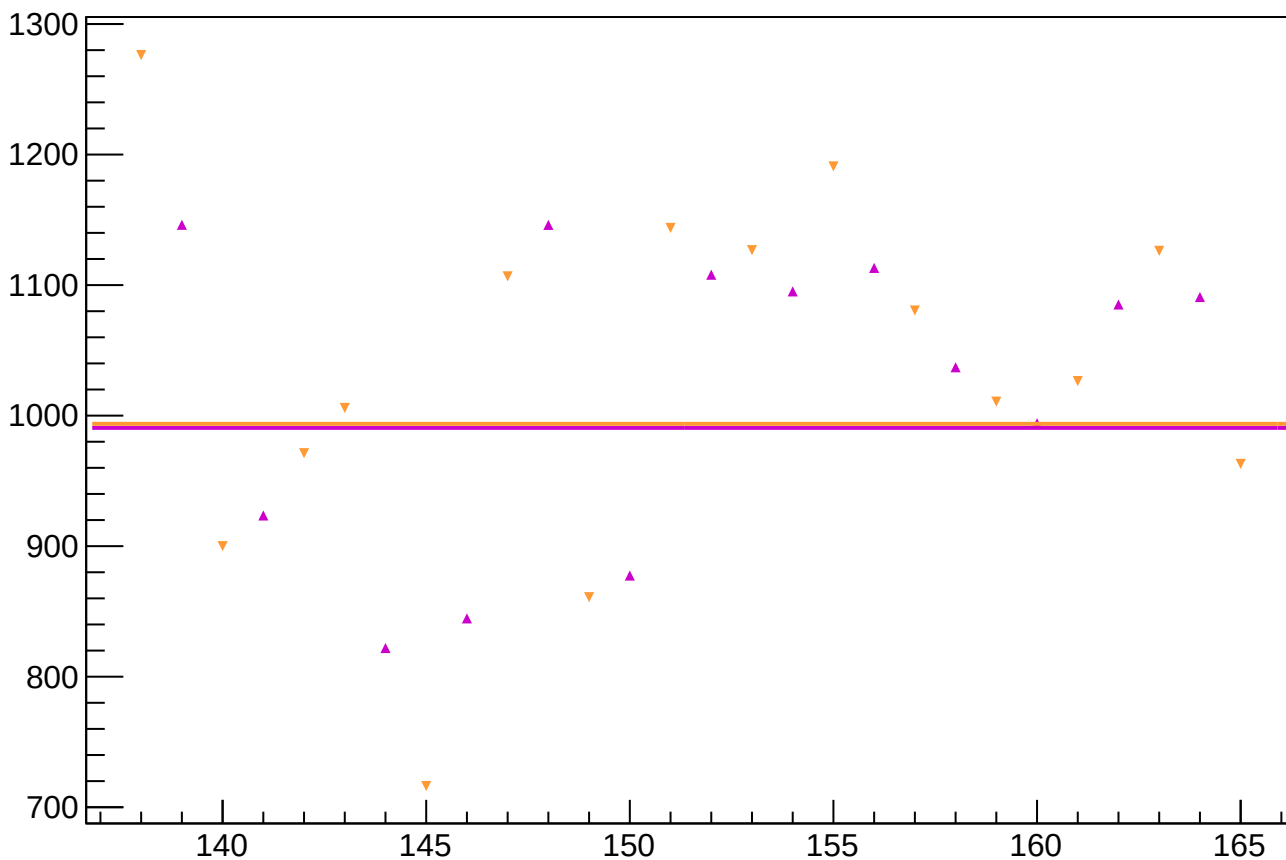
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 551.456+/-310.056 χ^2/NDF :9.2/12

Out: -1598.967+/-302.507 χ^2/NDF :17.8/14

All: -550.253+/-216.524 χ^2/NDF : 51.7/27

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 993.726+/-0.214 χ^2/NDF :492960.1/14

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

Left In: 990.633+/-0.219 χ^2/NDF :292264.1/12

Left: 992.218+/-0.153 χ^2/NDF : 785326.3/27

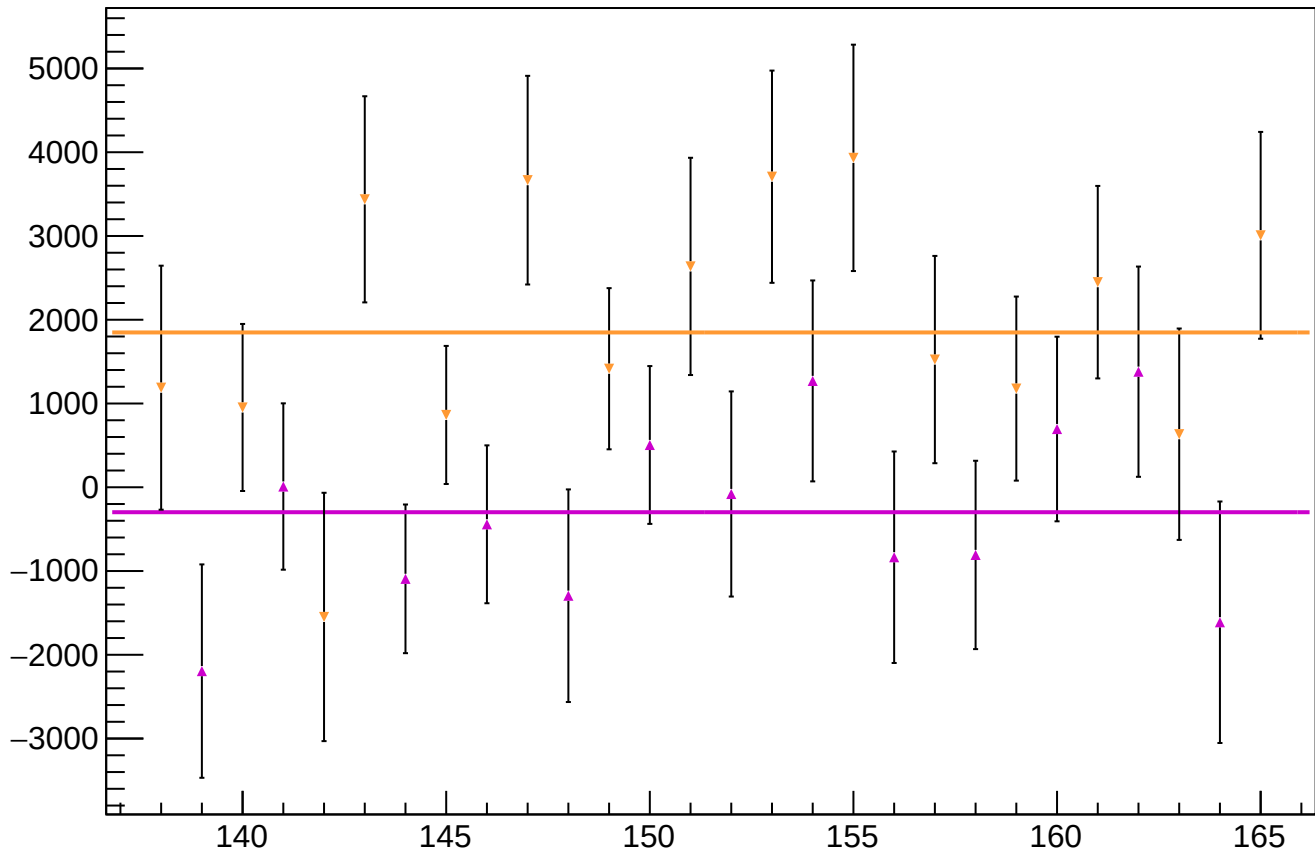
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 990.633+/-0.219 χ^2/NDF :292264.1/12

Out: 993.726+/-0.214 χ^2/NDF :492960.1/14

All: 992.218+/-0.153 χ^2/NDF : 785326.3/27

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 1848.391 ± 300.469 $\chi^2/\text{NDF}: 19.1/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -297.847 ± 308.720 $\chi^2/\text{NDF}: 10.0/12$

Left: 804.332 ± 215.322 $\chi^2/\text{NDF}: 54.0/27$

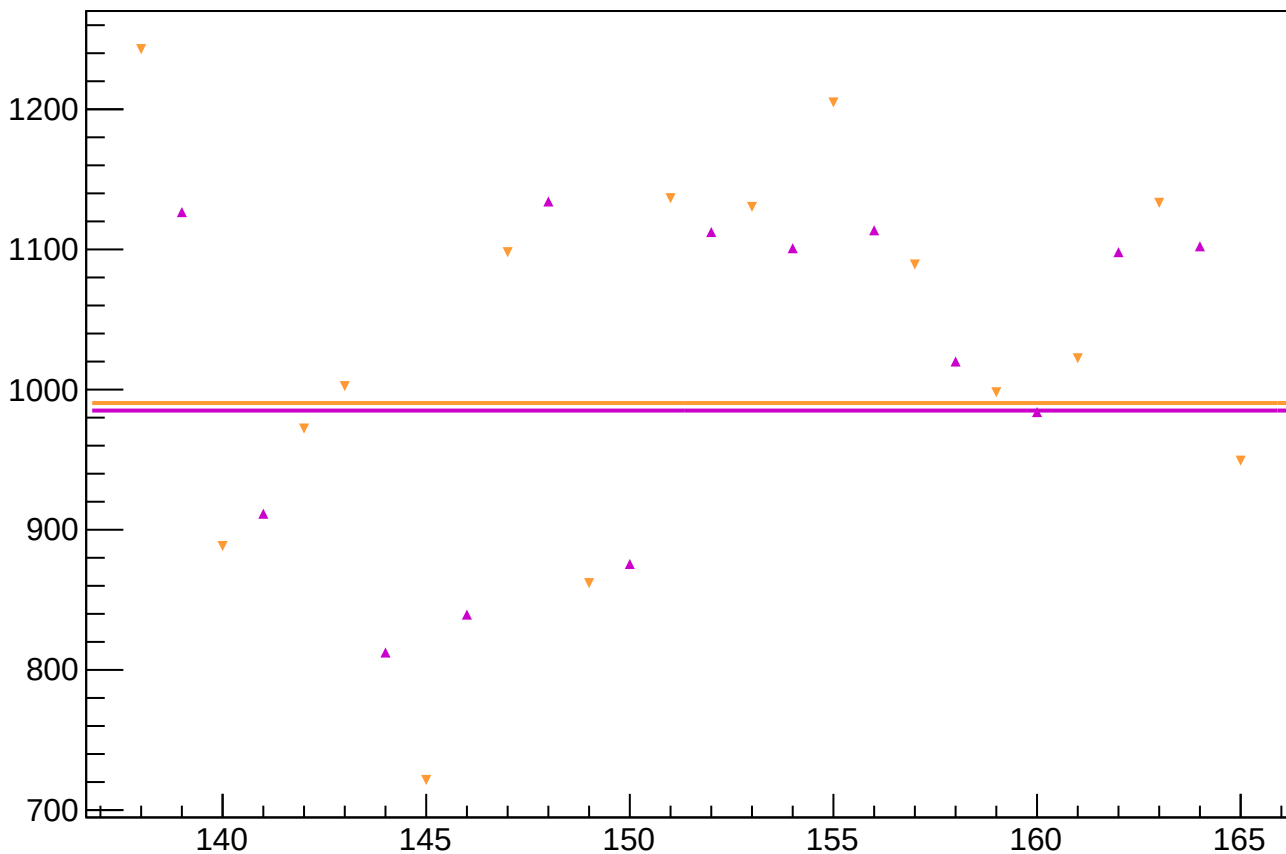
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -297.847 ± 308.720 $\chi^2/\text{NDF}: 10.0/12$

Out: 1848.391 ± 300.469 $\chi^2/\text{NDF}: 19.1/14$

All: 804.332 ± 215.322 $\chi^2/\text{NDF}: 54.0/27$

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 990.429+/-0.212 χ^2/NDF : 487414.9/14

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

Left In: 985.046+/-0.218 χ^2/NDF : 306093.7/12

Left: 987.810+/-0.152 χ^2/NDF : 793820.8/27

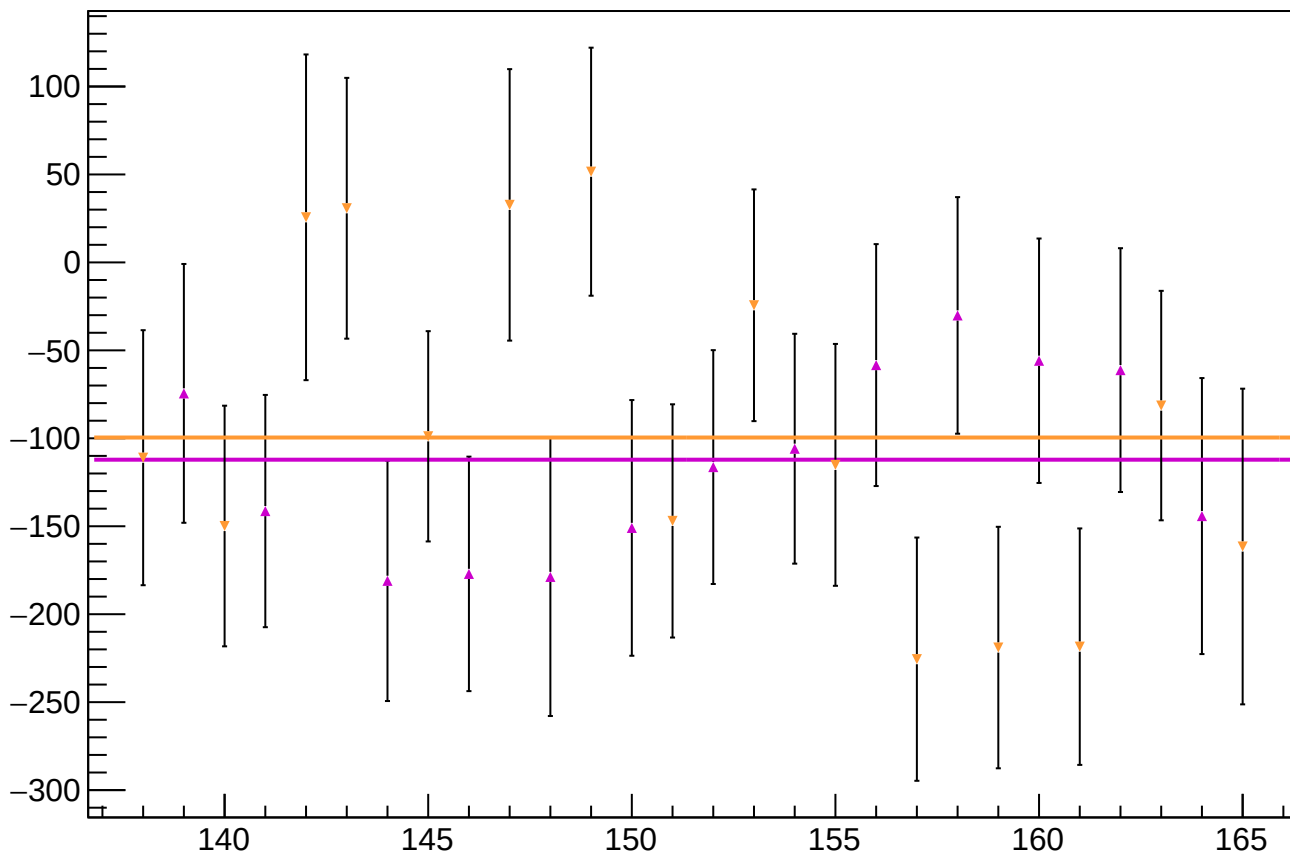
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 985.046+/-0.218 χ^2/NDF : 306093.7/12

Out: 990.429+/-0.212 χ^2/NDF : 487414.9/14

All: 987.810+/-0.152 χ^2/NDF : 793820.8/27

dit_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: -99.553 $\pm$ 18.188 χ^2 /NDF:24.9/14

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

Left In: -112.159 $\pm$ 19.340 χ^2 /NDF:6.9/12

Left: -105.469 $\pm$ 13.249 χ^2 /NDF: 32.0/27

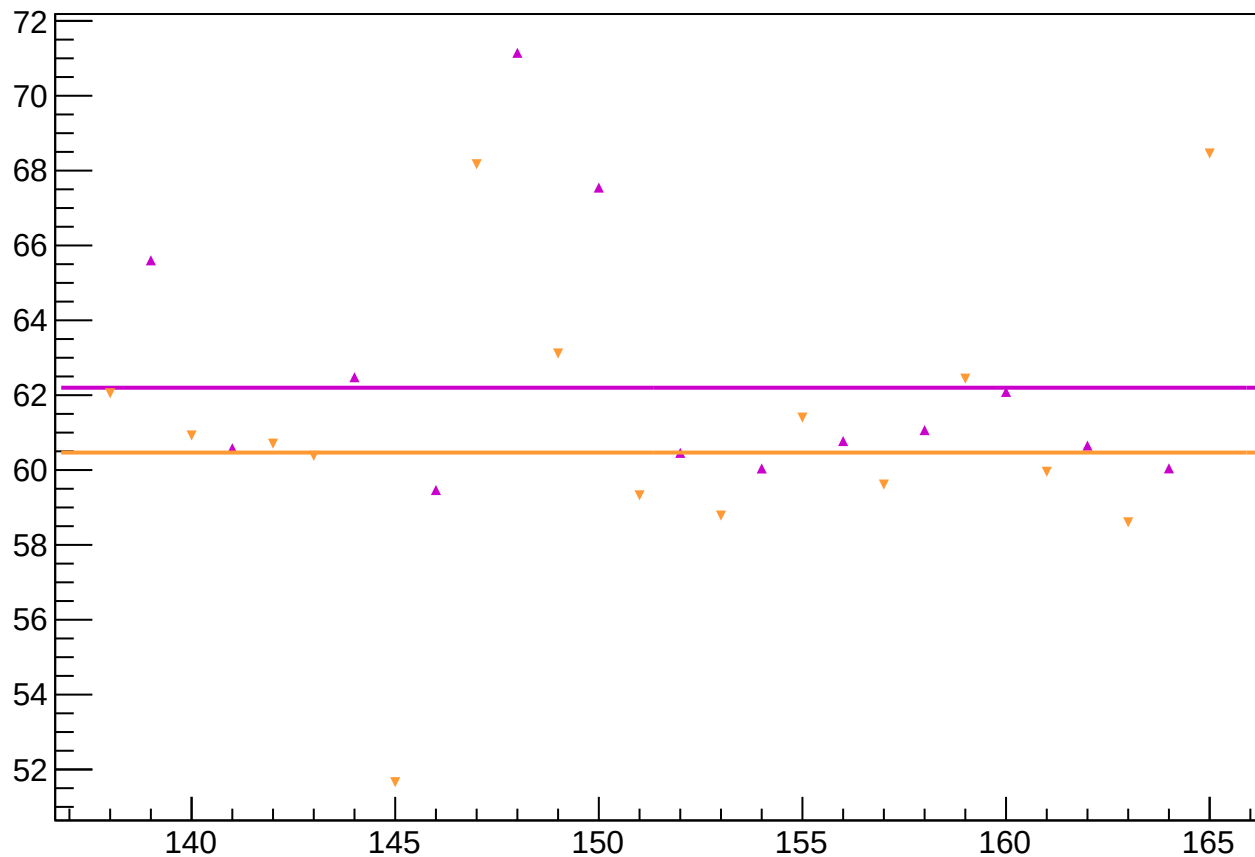
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -112.159 $\pm$ 19.340 χ^2 /NDF:6.9/12

Out: -99.553 $\pm$ 18.188 χ^2 /NDF:24.9/14

All: -105.469 $\pm$ 13.249 χ^2 /NDF: 32.0/27

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 60.467+/-0.013 χ^2/NDF : 89063.9/14

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

Left In: 62.199+/-0.014 χ^2/NDF : 52789.1/12

Left: 61.280+/-0.009 χ^2/NDF : 150367.4/27

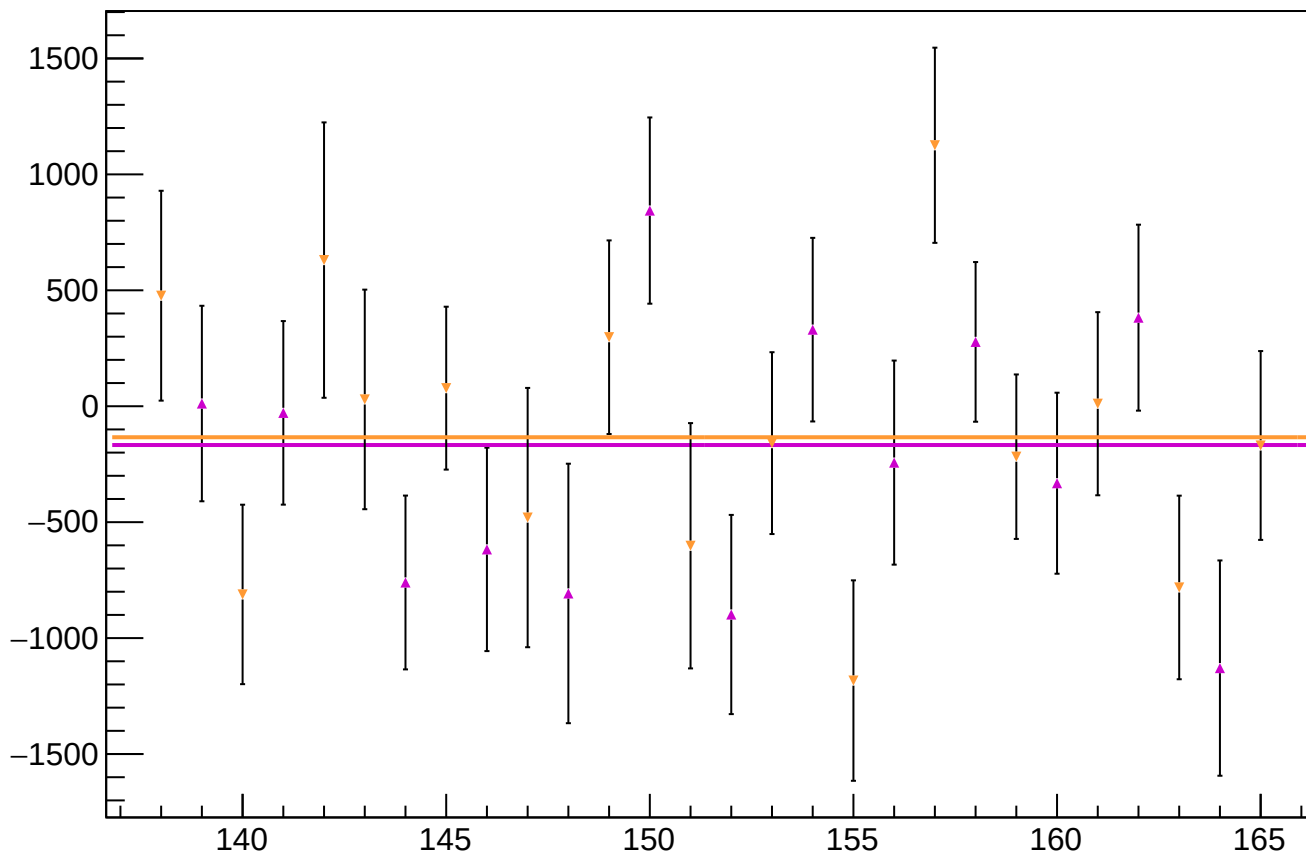
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.199+/-0.014 χ^2/NDF : 52789.1/12

Out: 60.467+/-0.013 χ^2/NDF : 89063.9/14

All: 61.280+/-0.009 χ^2/NDF : 150367.4/27

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: -133.745+/-109.278 χ^2/NDF :27.0/14

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

Left In: -167.267+/-114.312 χ^2/NDF :24.0/12

Left: -149.752+/-78.991 χ^2/NDF : 51.1/27

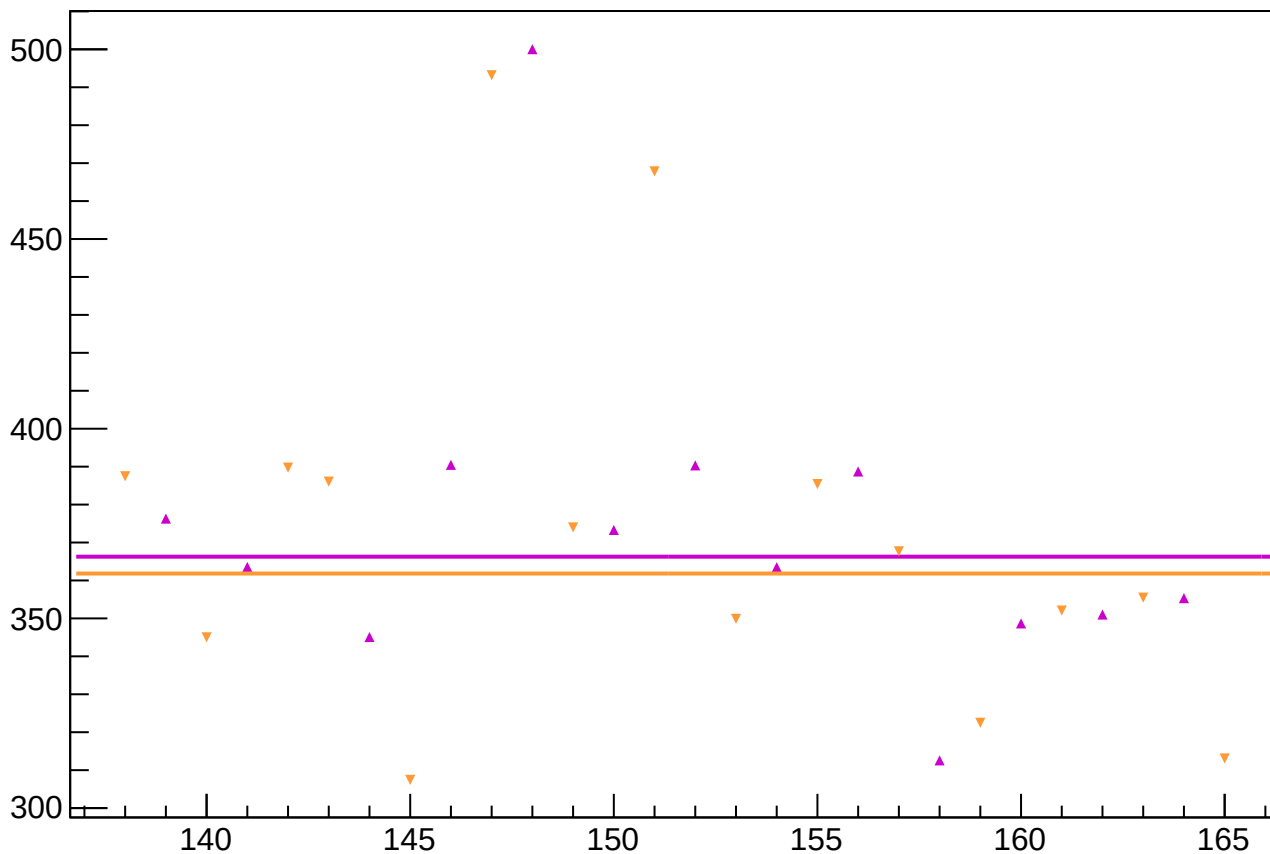
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -167.267+/-114.312 χ^2/NDF :24.0/12

Out: -133.745+/-109.278 χ^2/NDF :27.0/14

All: -149.752+/-78.991 χ^2/NDF : 51.1/27

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: 361.825+/-0.077 χ^2/NDF :323326.2/14

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

Left In: 366.272+/-0.081 χ^2/NDF :196873.5/12

Left: 363.948+/-0.056 χ^2/NDF : 521781.5/27

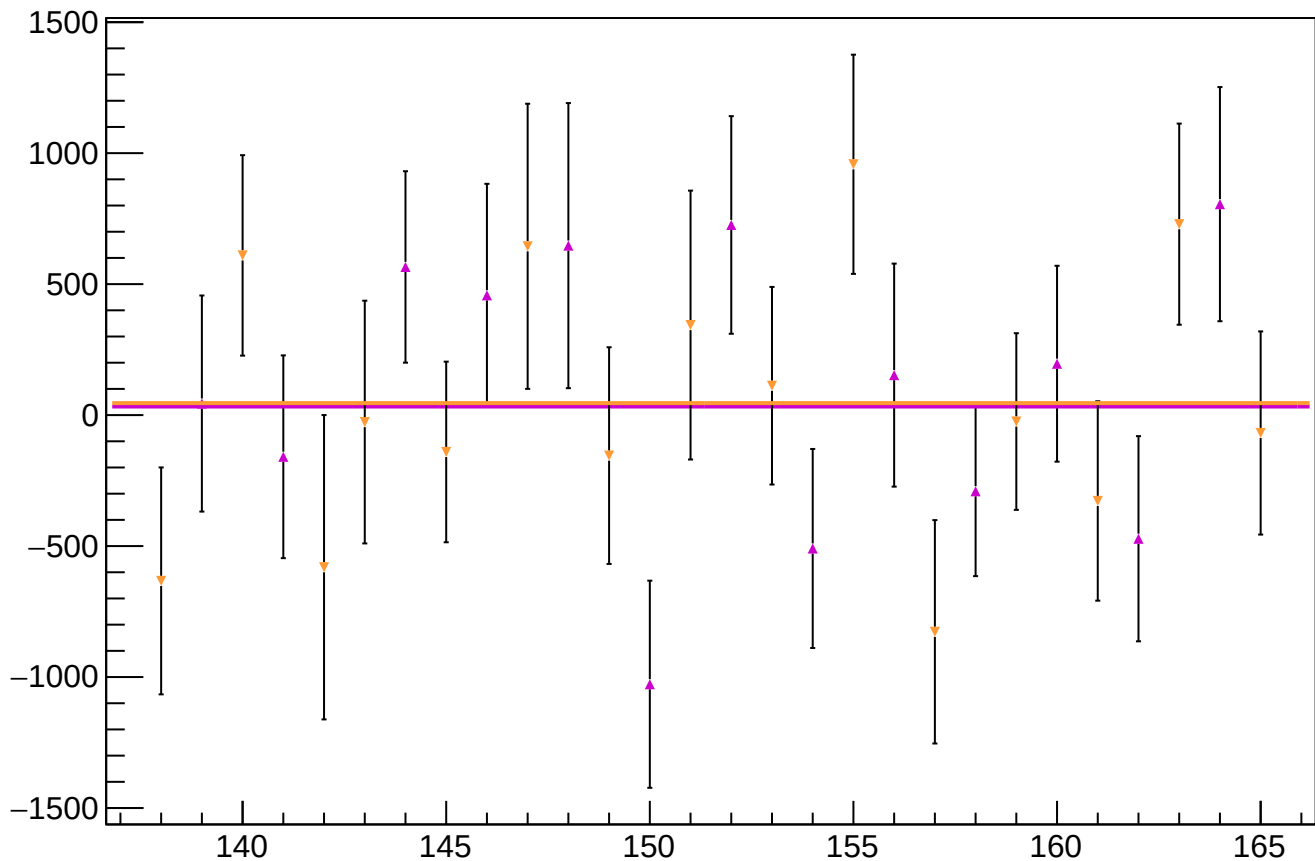
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 366.272+/-0.081 χ^2/NDF :196873.5/12

Out: 361.825+/-0.077 χ^2/NDF :323326.2/14

All: 363.948+/-0.056 χ^2/NDF : 521781.5/27

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: 45.796 $\pm$ 106.246 χ^2 /NDF:21.1/14

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

Left In: 32.769 $\pm$ 110.581 χ^2 /NDF:22.6/12

Left: 39.543 $\pm$ 76.614 χ^2 /NDF: 43.7/27

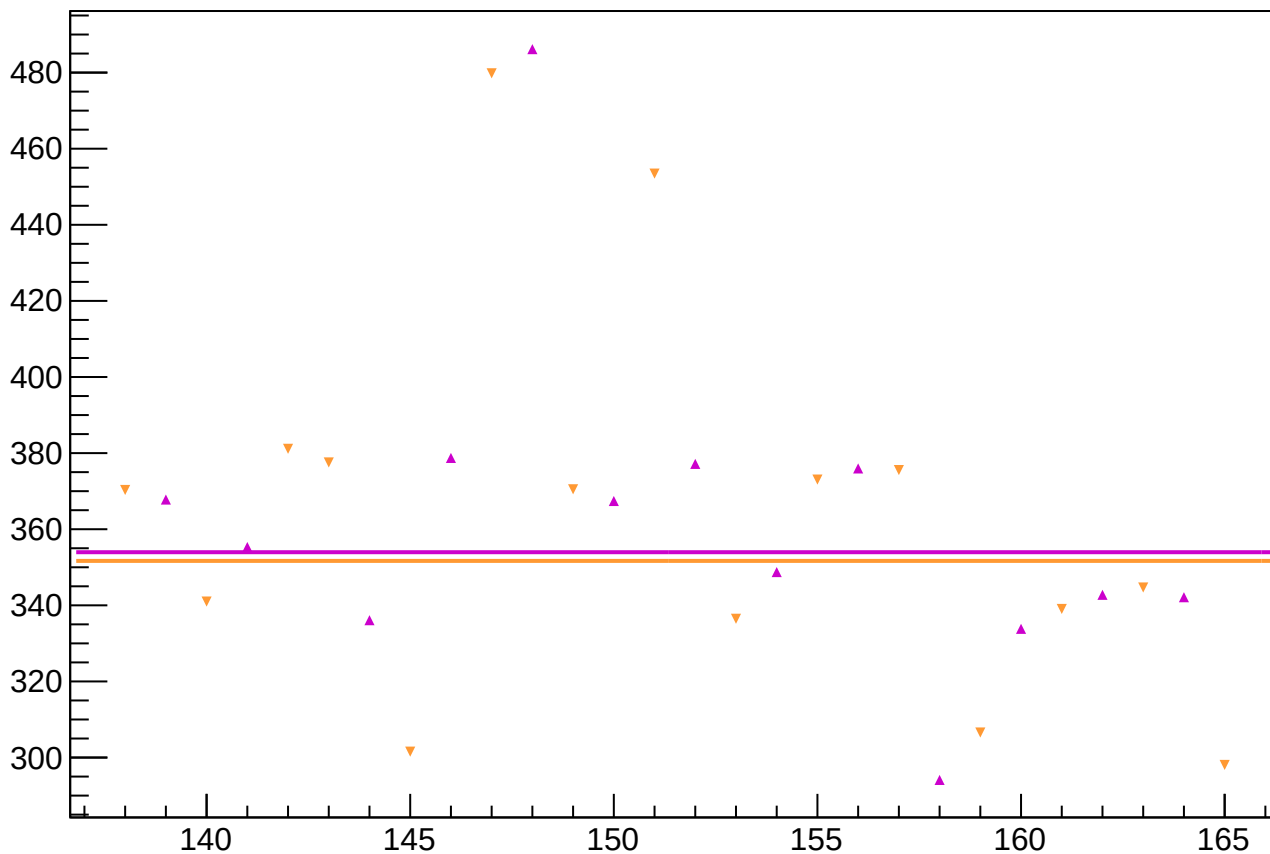
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 32.769 $\pm$ 110.581 χ^2 /NDF:22.6/12

Out: 45.796 $\pm$ 106.246 χ^2 /NDF:21.1/14

All: 39.543 $\pm$ 76.614 χ^2 /NDF: 43.7/27

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 351.677+/-0.075 χ^2/NDF :344189.2/14

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

Left In: 353.960+/-0.078 χ^2/NDF :223180.8/12

Left: 352.773+/-0.054 χ^2/NDF : 567813.3/27

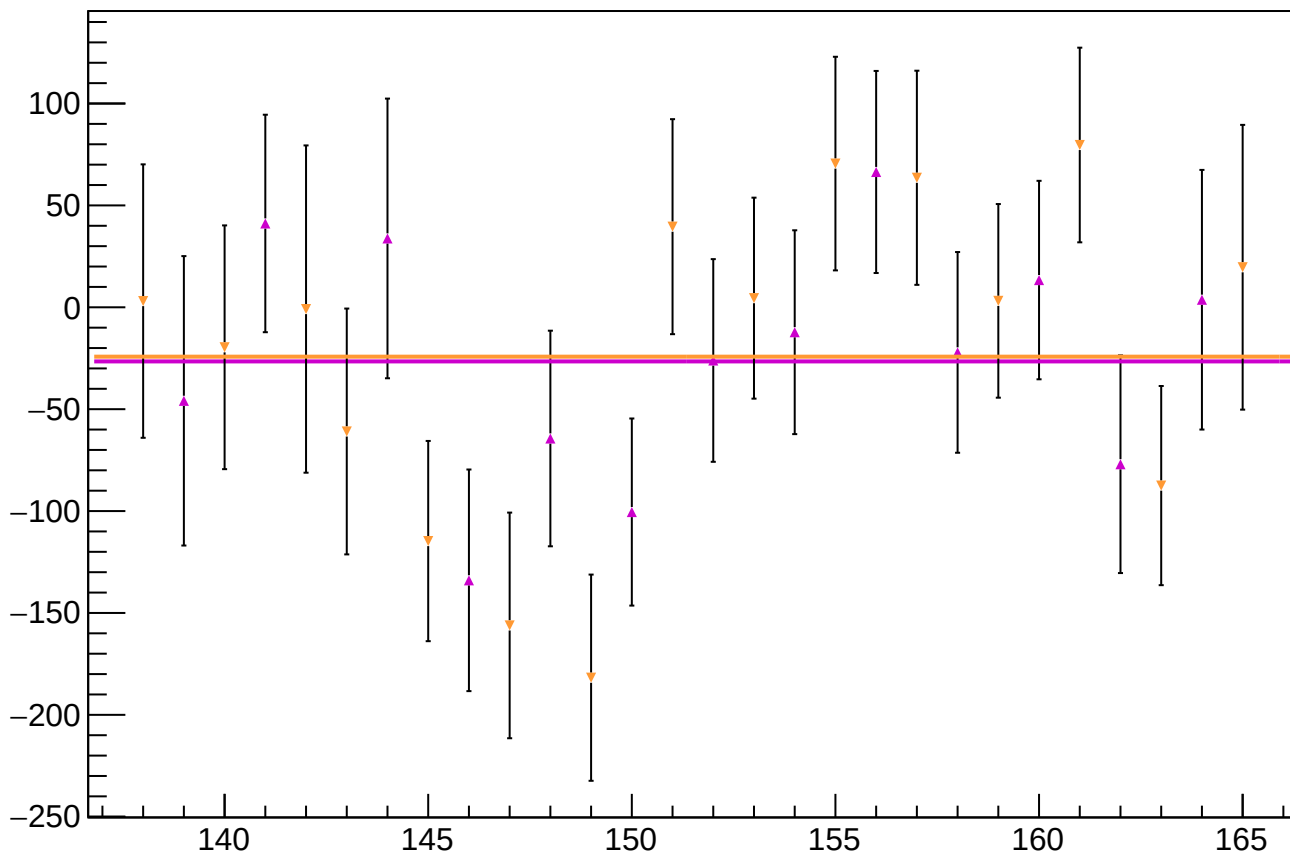
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.960+/-0.078 χ^2/NDF :223180.8/12

Out: 351.677+/-0.075 χ^2/NDF :344189.2/14

All: 352.773+/-0.054 χ^2/NDF : 567813.3/27

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -24.226 $\pm$ 14.052 χ^2 /NDF:34.4/14

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

Left In: -26.559 $\pm$ 14.787 χ^2 /NDF:14.9/12

Left: -25.333 $\pm$ 10.186 χ^2 /NDF: 49.3/27

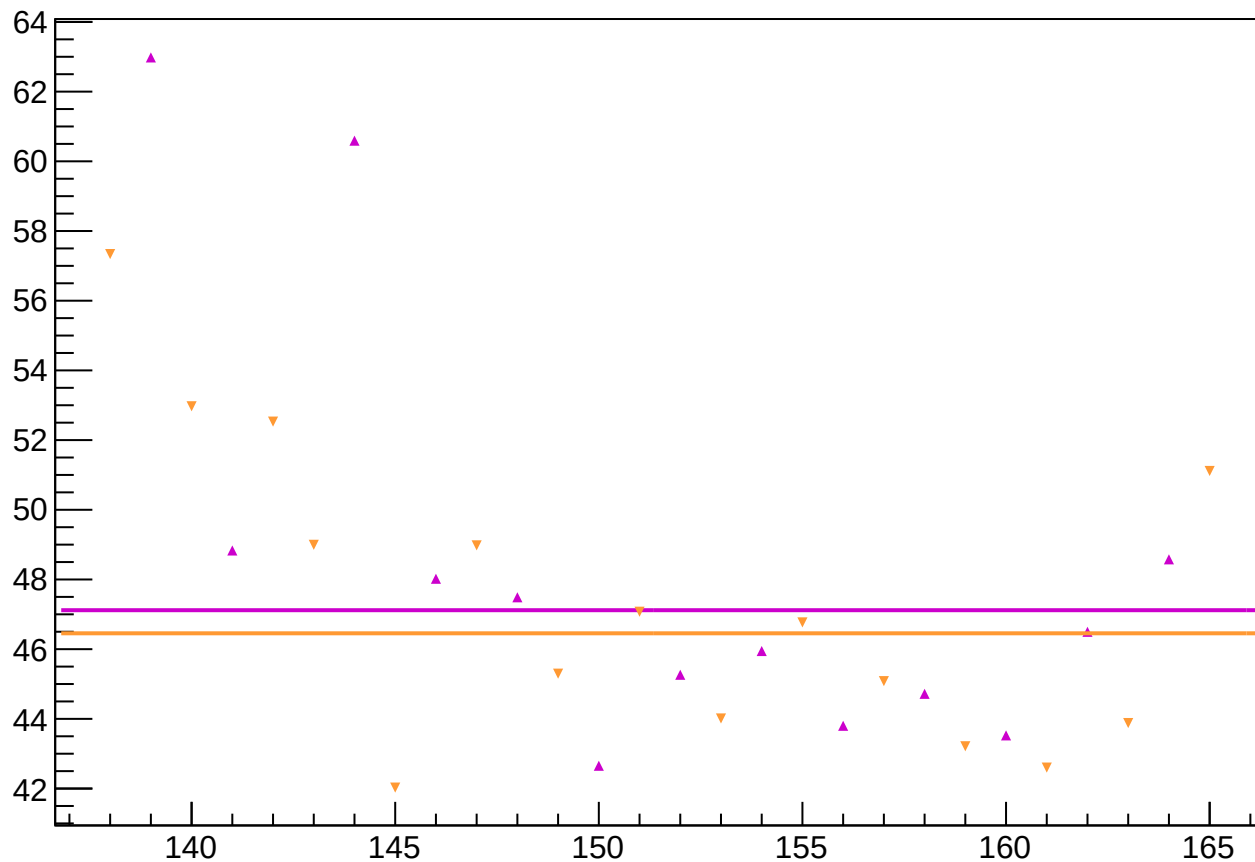
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -26.559 $\pm$ 14.787 χ^2 /NDF:14.9/12

Out: -24.226 $\pm$ 14.052 χ^2 /NDF:34.4/14

All: -25.333 $\pm$ 10.186 χ^2 /NDF: 49.3/27

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: 46.455+/-0.010 χ^2/NDF :156180.1/14

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

Left In: 47.118+/-0.010 χ^2/NDF :228290.3/12

Left: 46.770+/-0.007 χ^2/NDF : 386583.2/27

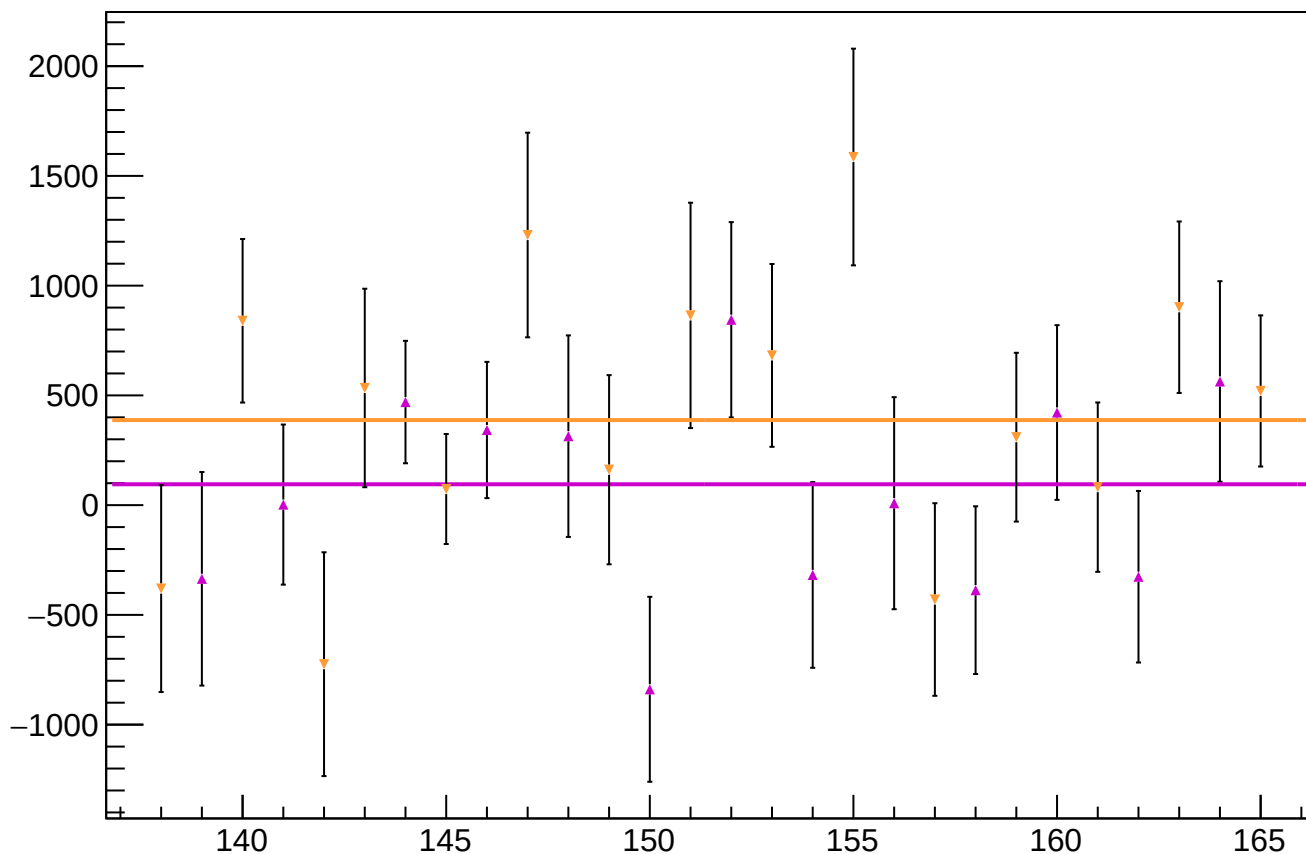
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.118+/-0.010 χ^2/NDF :228290.3/12

Out: 46.455+/-0.010 χ^2/NDF :156180.1/14

All: 46.770+/-0.007 χ^2/NDF : 386583.2/27

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: 387.523+/-103.322 χ^2/NDF :27.4/14

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

Left In: 95.052+/-108.602 χ^2/NDF :16.7/12

Left: 248.570+/-74.857 χ^2/NDF : 47.9/27

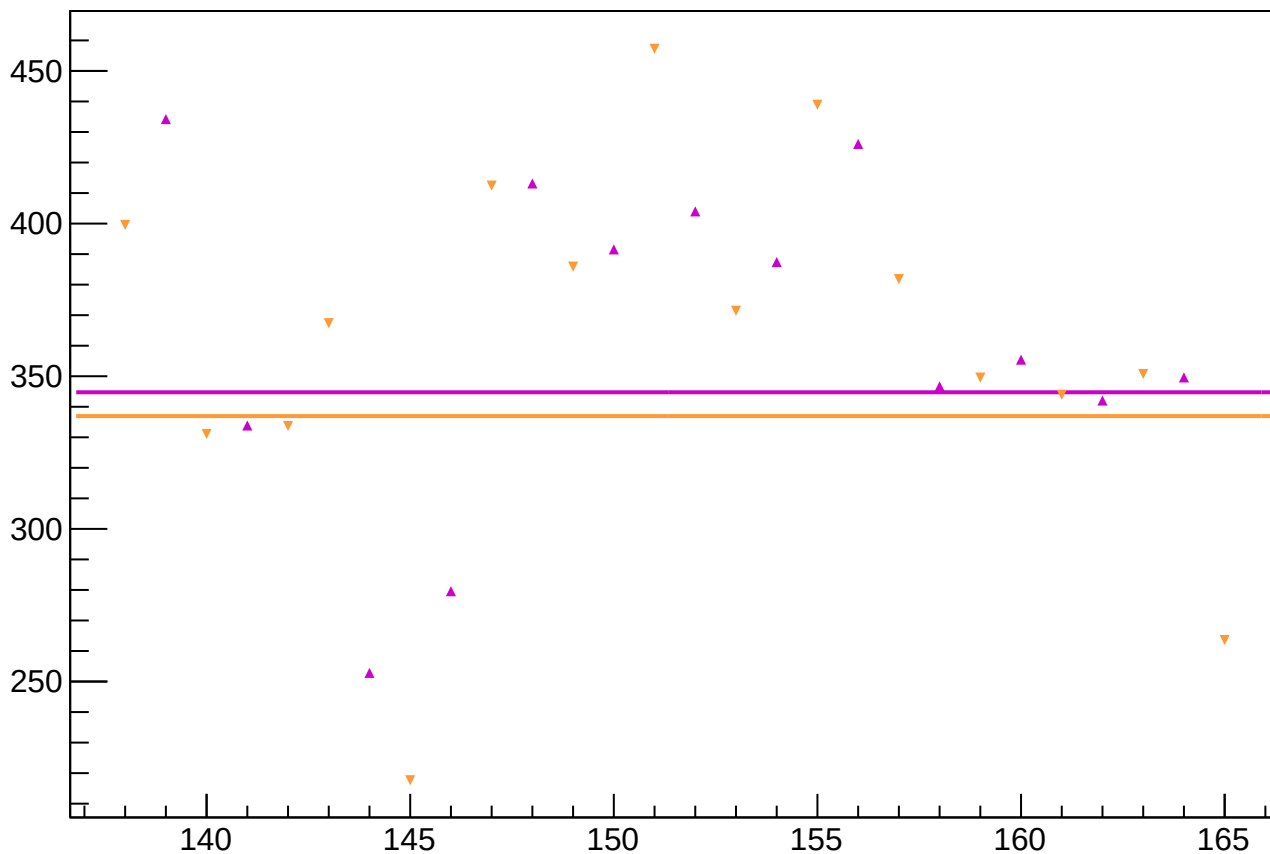
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 95.052+/-108.602 χ^2/NDF :16.7/12

Out: 387.523+/-103.322 χ^2/NDF :27.4/14

All: 248.570+/-74.857 χ^2/NDF : 47.9/27

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: 336.946+/-0.073 χ^2/NDF : 901922.0/14

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

Left In: 344.747+/-0.077 χ^2/NDF : 558213.7/12

Left: 340.652+/-0.053 χ^2/NDF : 1465552.9/27

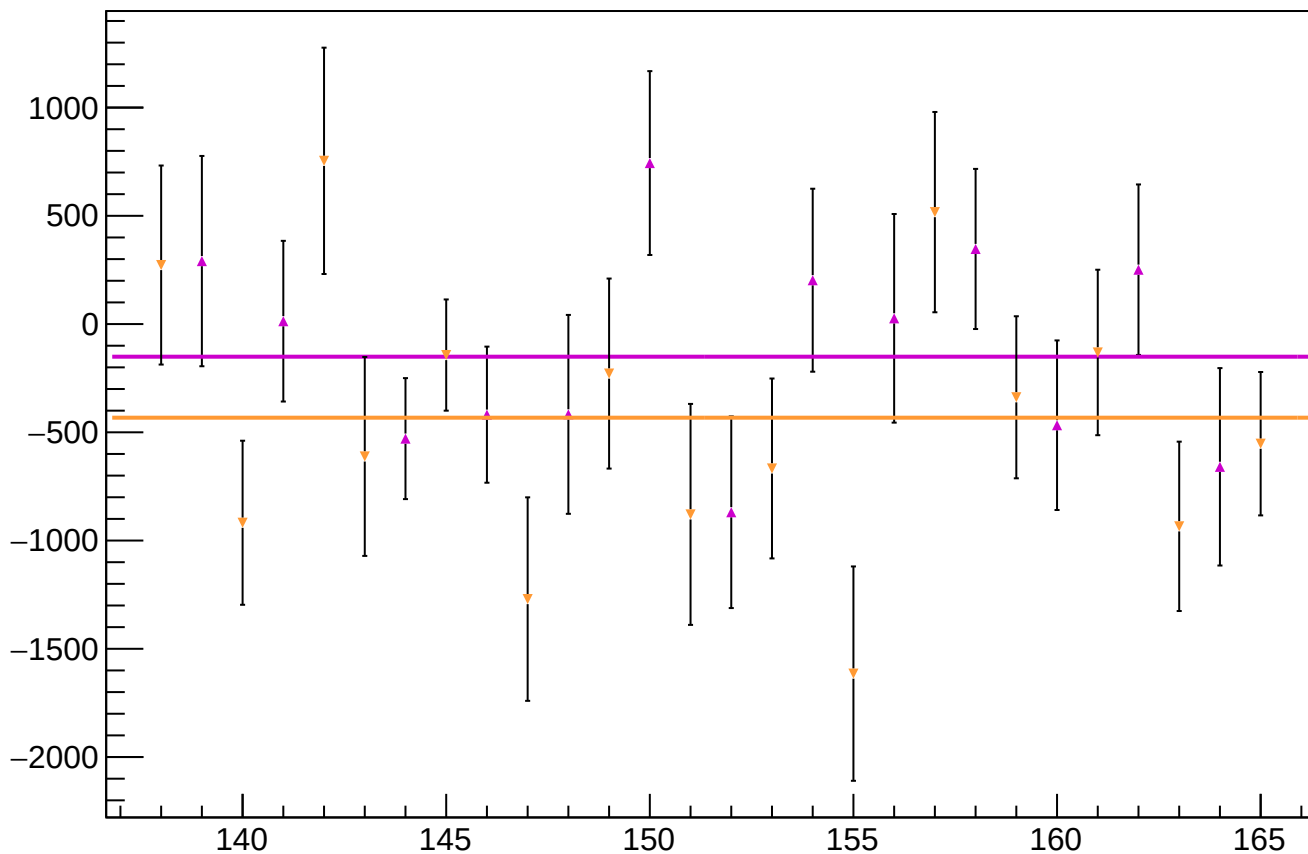
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.747+/-0.077 χ^2/NDF : 558213.7/12

Out: 336.946+/-0.073 χ^2/NDF : 901922.0/14

All: 340.652+/-0.053 χ^2/NDF : 1465552.9/27

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -432.471+/-103.701 χ^2/NDF :27.4/14

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

Left In: -150.737+/-108.585 χ^2/NDF :16.6/12

Left: -298.083+/-74.995 χ^2/NDF : 47.5/27

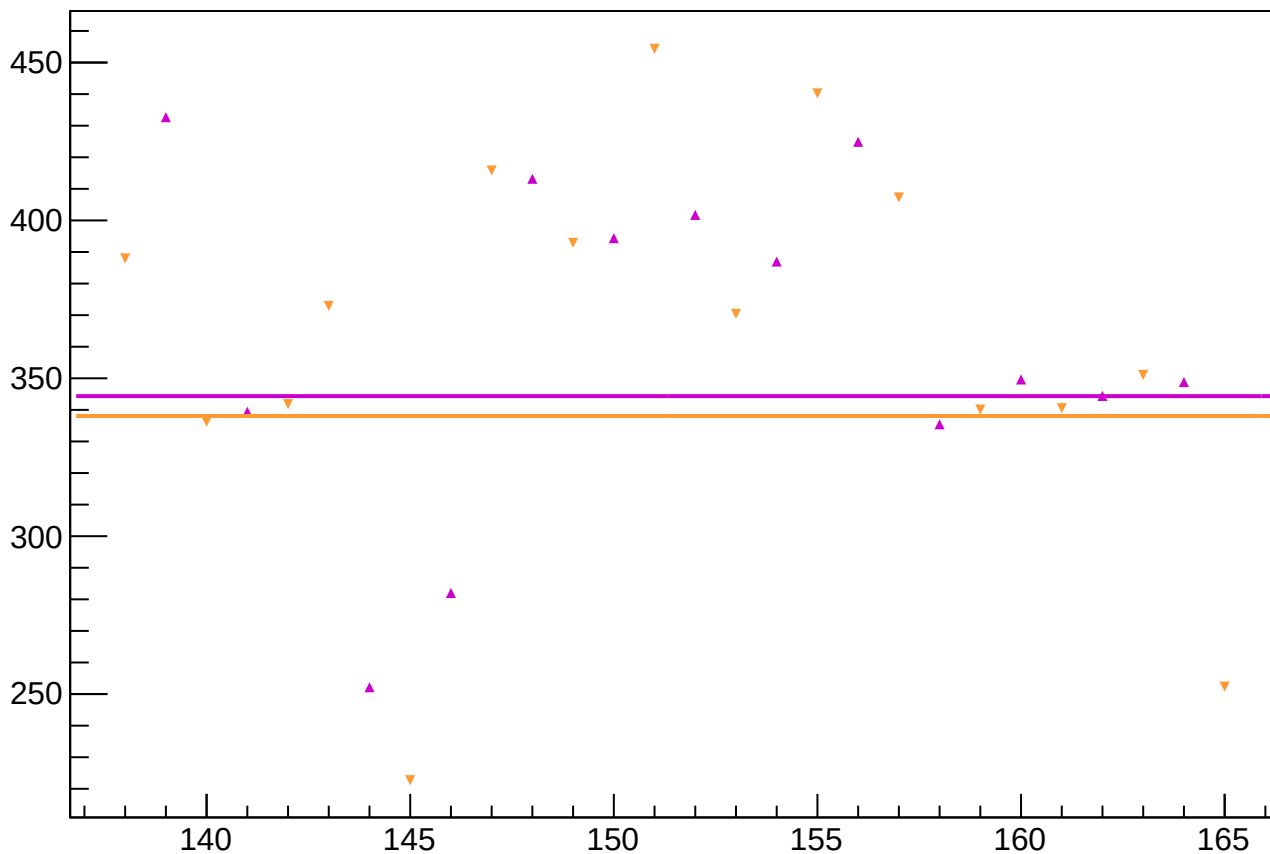
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -150.737+/-108.585 χ^2/NDF :16.6/12

Out: -432.471+/-103.701 χ^2/NDF :27.4/14

All: -298.083+/-74.995 χ^2/NDF : 47.5/27

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 338.060+/-0.073 χ^2/NDF : 906740.1/14

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

Left In: 344.357+/-0.077 χ^2/NDF : 547198.6/12

Left: 341.064+/-0.053 χ^2/NDF : 1457456.3/27

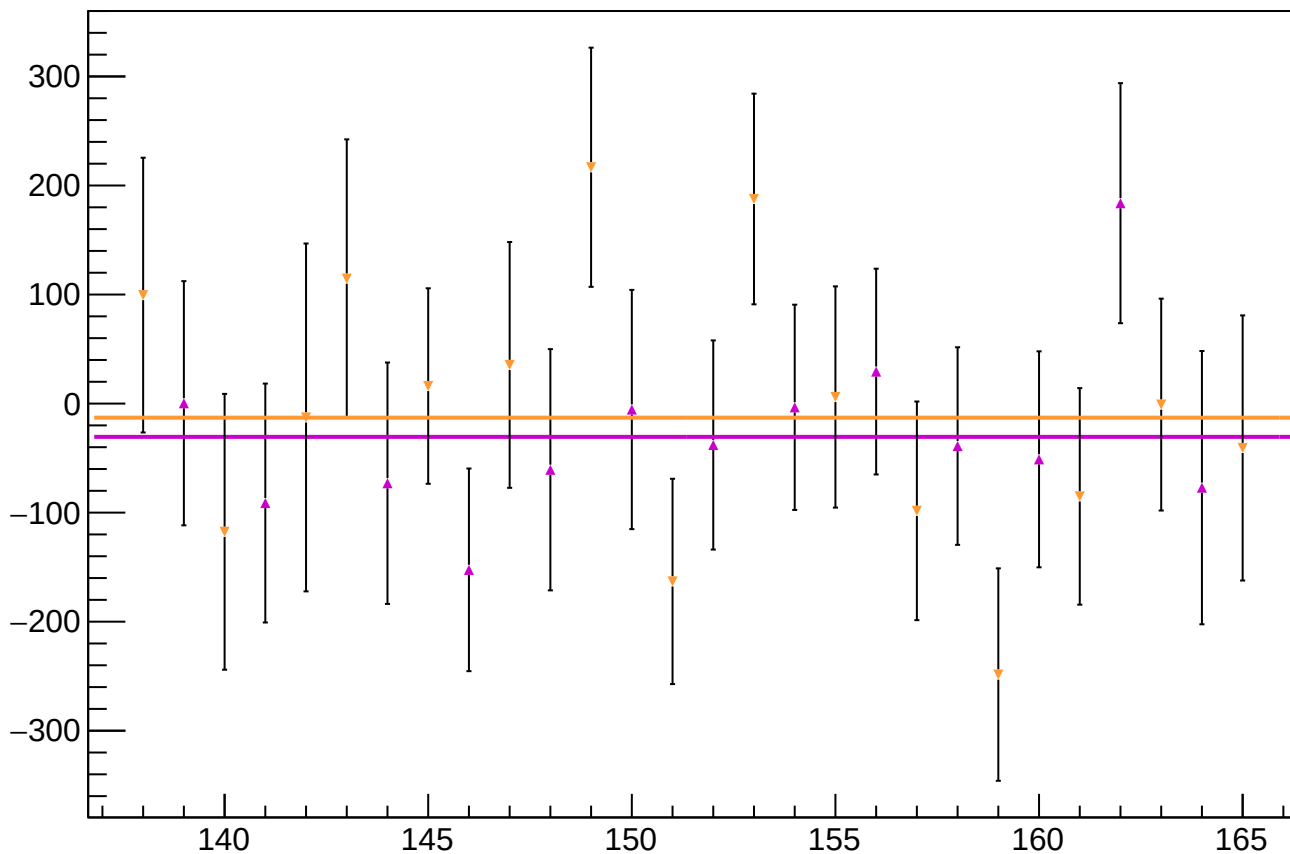
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.357+/-0.077 χ^2/NDF : 547198.6/12

Out: 338.060+/-0.073 χ^2/NDF : 906740.1/14

All: 341.064+/-0.053 χ^2/NDF : 1457456.3/27

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: -12.910+/-27.634 χ^2/NDF :21.2/14

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

Left In: -30.520+/-28.521 χ^2/NDF :6.9/12

Left: -21.437+/-19.846 χ^2/NDF : 28.3/27

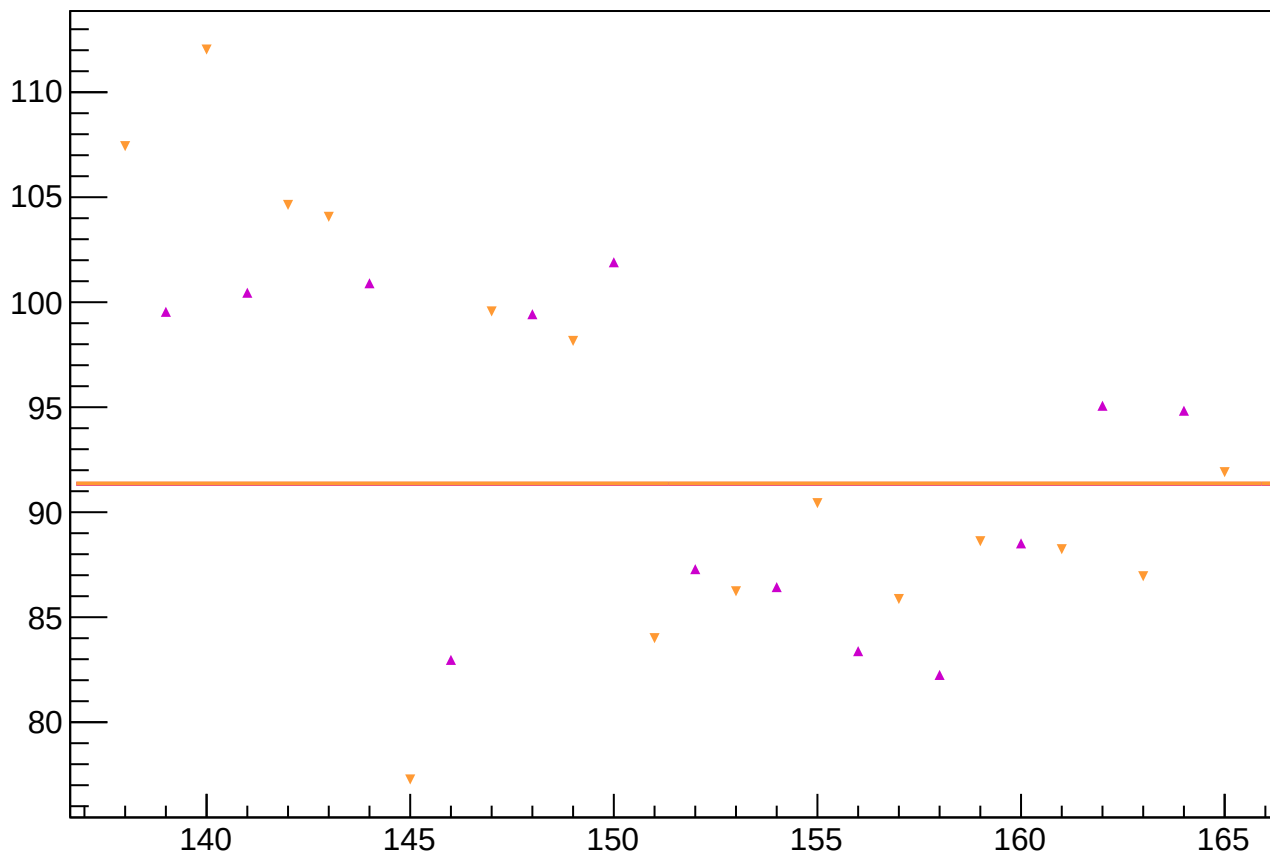
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.520+/-28.521 χ^2/NDF :6.9/12

Out: -12.910+/-27.634 χ^2/NDF :21.2/14

All: -21.437+/-19.846 χ^2/NDF : 28.3/27

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: 91.368+/-0.020 χ^2/NDF :219029.8/14

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

Left In: 91.349+/-0.020 χ^2/NDF :133802.4/12

Left: 91.359+/-0.014 χ^2/NDF : 352832.7/27

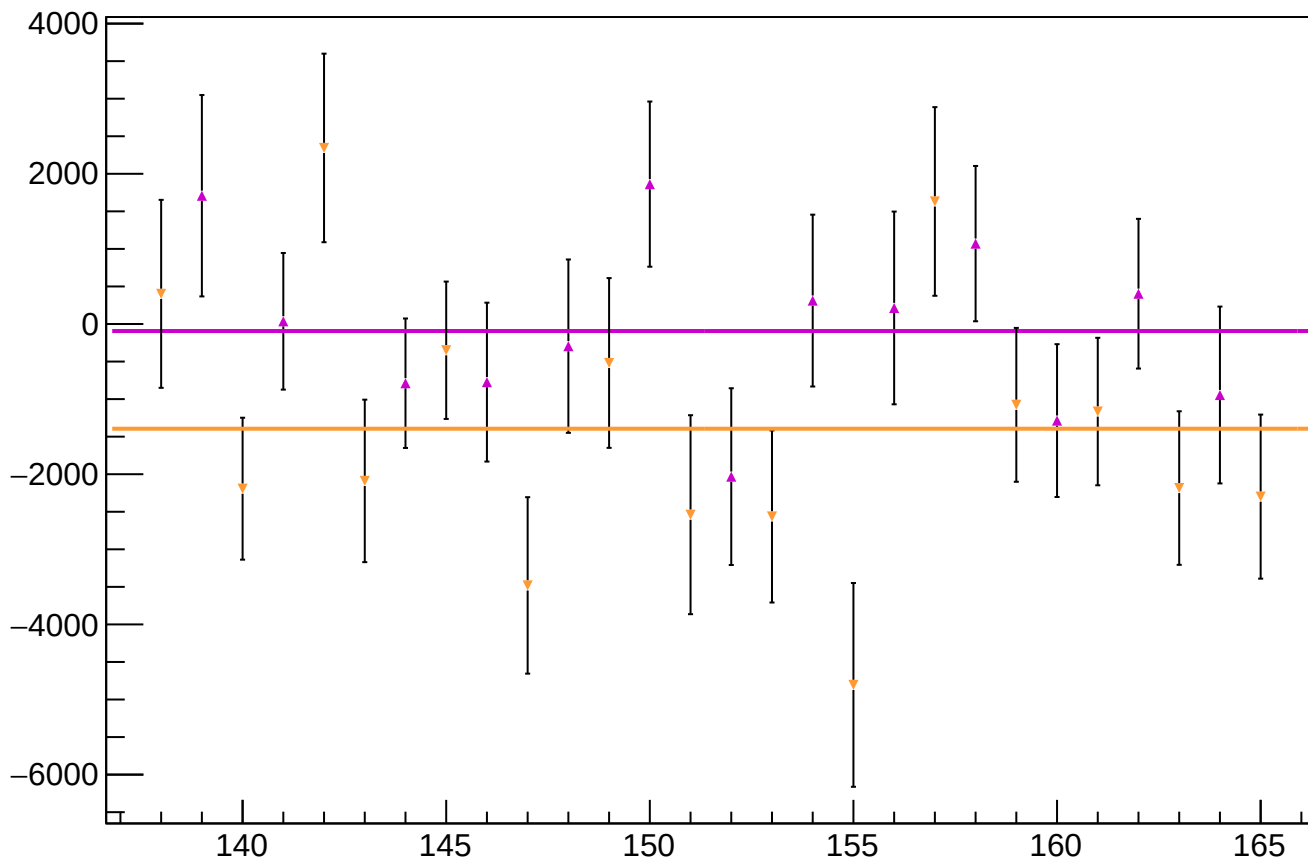
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 91.349+/-0.020 χ^2/NDF :133802.4/12

Out: 91.368+/-0.020 χ^2/NDF :219029.8/14

All: 91.359+/-0.014 χ^2/NDF : 352832.7/27

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: -1394.032+/-285.762 χ^2/NDF :32.5/14

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

Left In: -93.469+/-297.423 χ^2/NDF :12.4/12

Left: -769.745+/-206.063 χ^2/NDF : 54.8/27

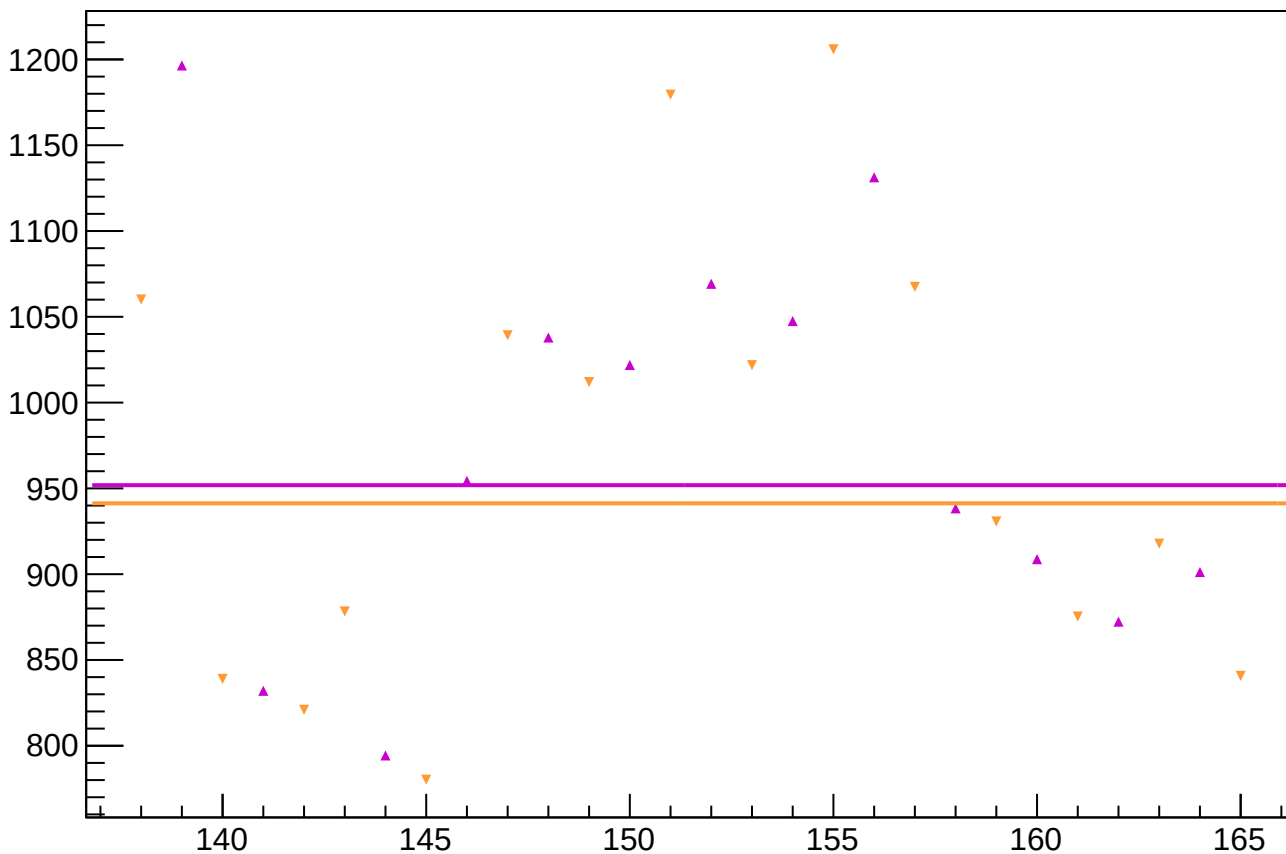
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -93.469+/-297.423 χ^2/NDF :12.4/12

Out: -1394.032+/-285.762 χ^2/NDF :32.5/14

All: -769.745+/-206.063 χ^2/NDF : 54.8/27

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: 941.309+/-0.202 χ^2/NDF : 348460.1/14

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

Left In: 951.871+/-0.210 χ^2/NDF : 280673.6/12

Left: 946.379+/-0.146 χ^2/NDF : 630445.1/27

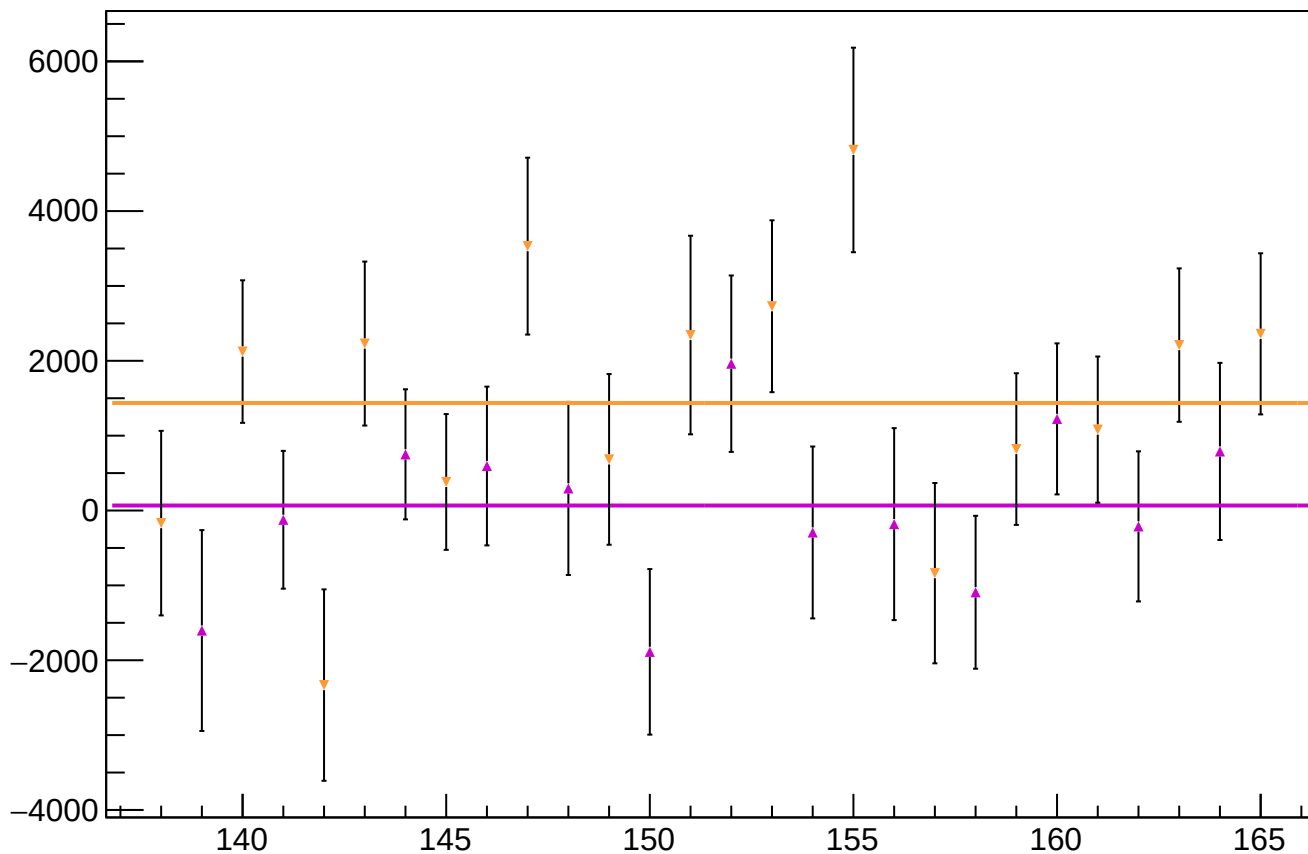
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 951.871+/-0.210 χ^2/NDF : 280673.6/12

Out: 941.309+/-0.202 χ^2/NDF : 348460.1/14

All: 946.379+/-0.146 χ^2/NDF : 630445.1/27

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: 1436.398 $\pm$ 285.135 χ^2 /NDF:29.6/14

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

Left In: 66.896 $\pm$ 298.088 χ^2 /NDF:11.4/12

Left: 782.049 $\pm$ 206.048 χ^2 /NDF: 52.0/27

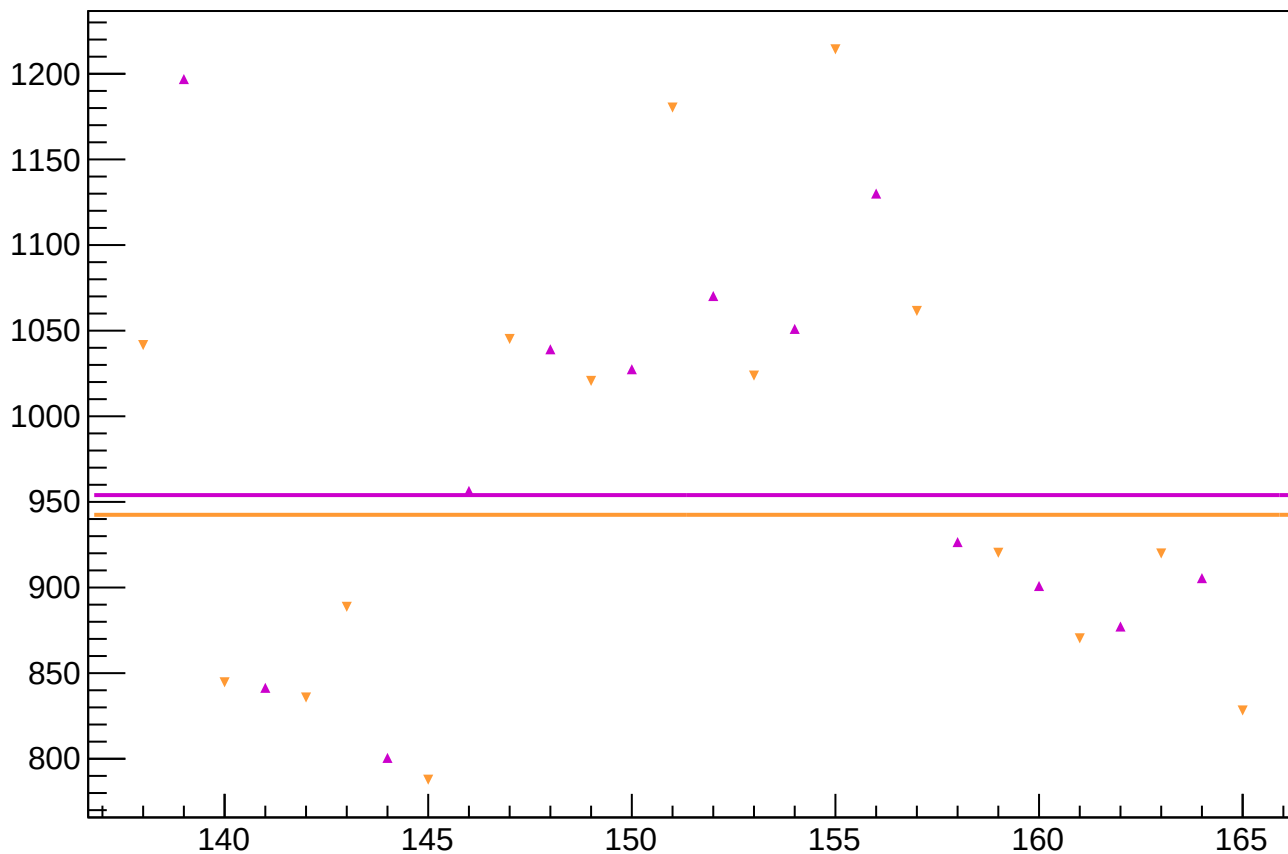
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 66.896 $\pm$ 298.088 χ^2 /NDF:11.4/12

Out: 1436.398 $\pm$ 285.135 χ^2 /NDF:29.6/14

All: 782.049 $\pm$ 206.048 χ^2 /NDF: 52.0/27

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 942.468+/-0.202 χ^2/NDF :343897.0/14

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

Left In: 953.978+/-0.211 χ^2/NDF :271135.7/12

Left: 947.967+/-0.146 χ^2/NDF : 616590.0/27

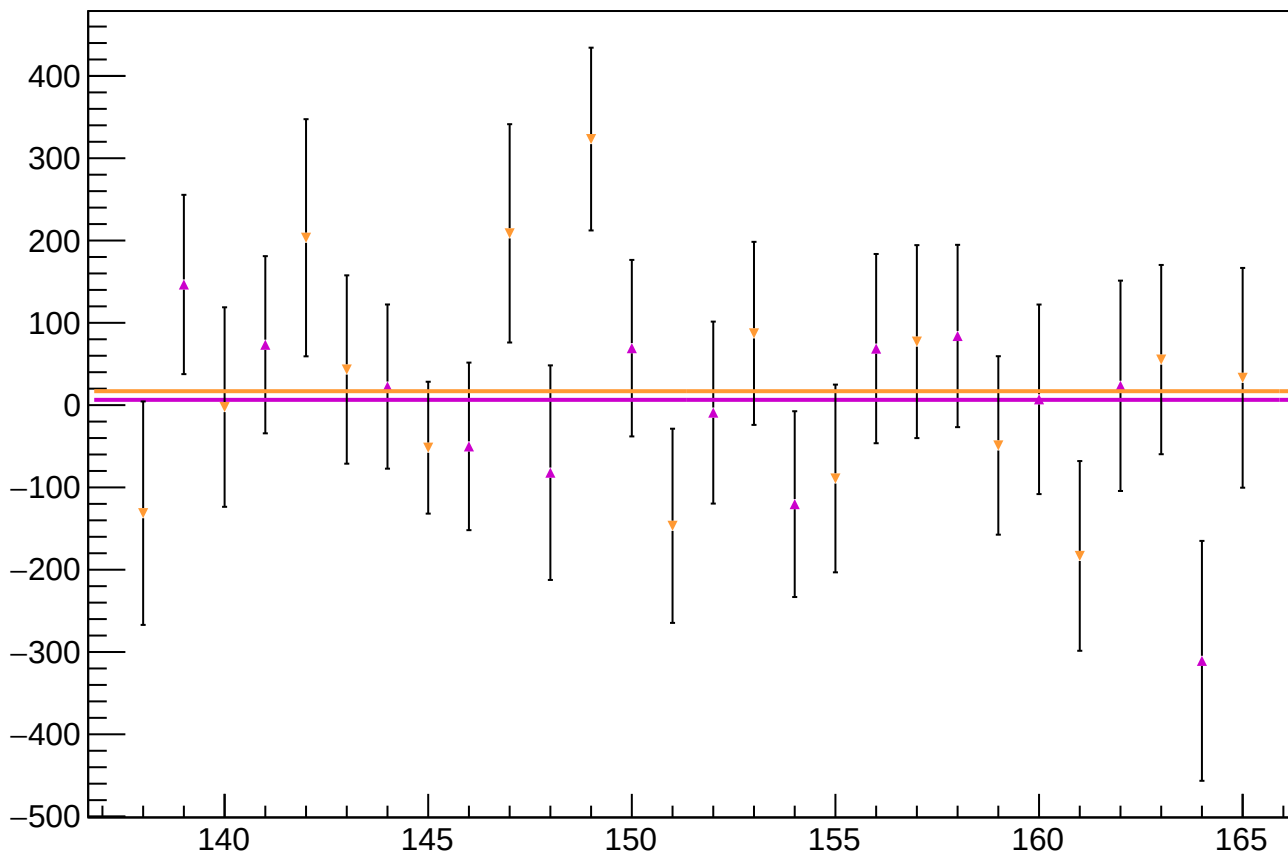
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 953.978+/-0.211 χ^2/NDF :271135.7/12

Out: 942.468+/-0.202 χ^2/NDF :343897.0/14

All: 947.967+/-0.146 χ^2/NDF : 616590.0/27

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 16.923 ± 29.685 $\chi^2/\text{NDF}: 20.3/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 6.408 ± 31.397 $\chi^2/\text{NDF}: 10.0/12$

Left: 11.960 ± 21.570 $\chi^2/\text{NDF}: 30.4/27$

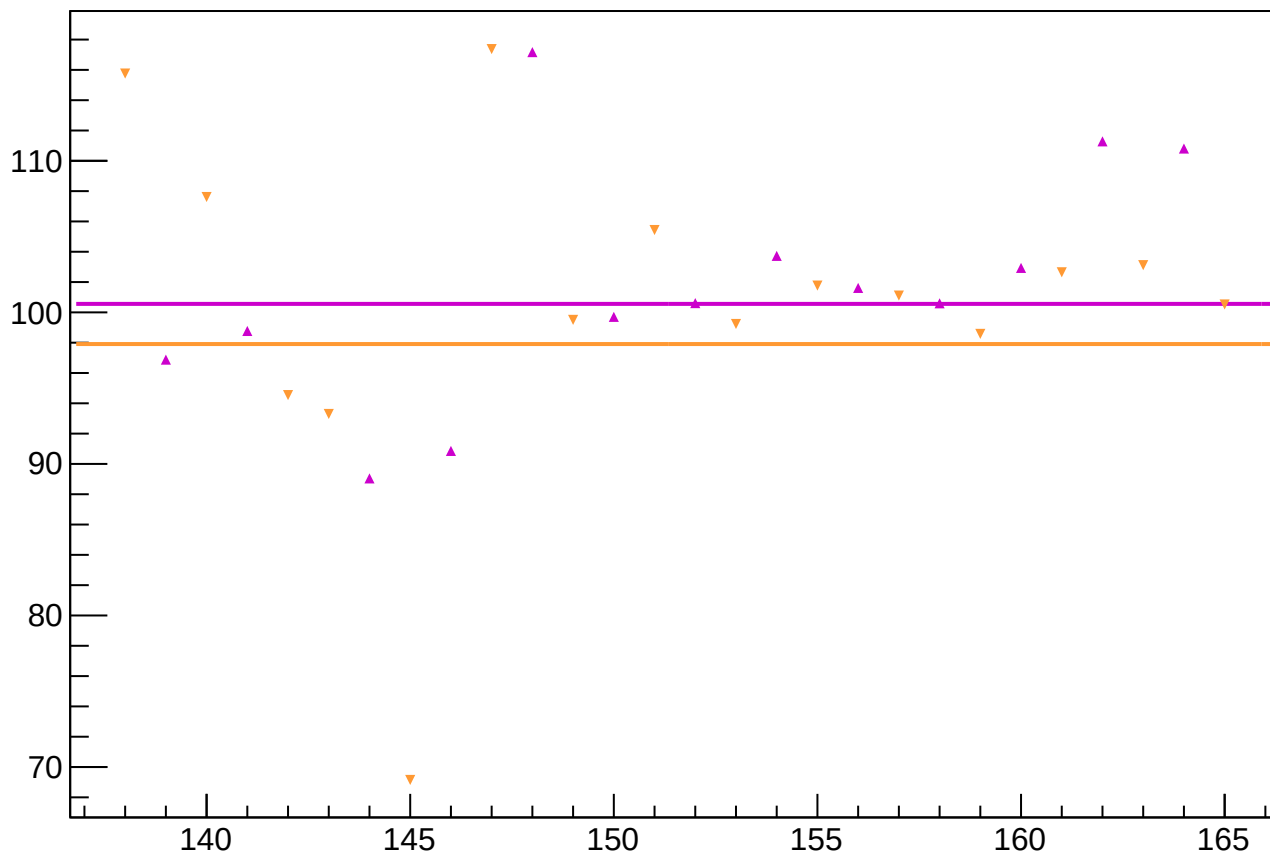
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 6.408 ± 31.397 $\chi^2/\text{NDF}: 10.0/12$

Out: 16.923 ± 29.685 $\chi^2/\text{NDF}: 20.3/14$

All: 11.960 ± 21.570 $\chi^2/\text{NDF}: 30.4/27$

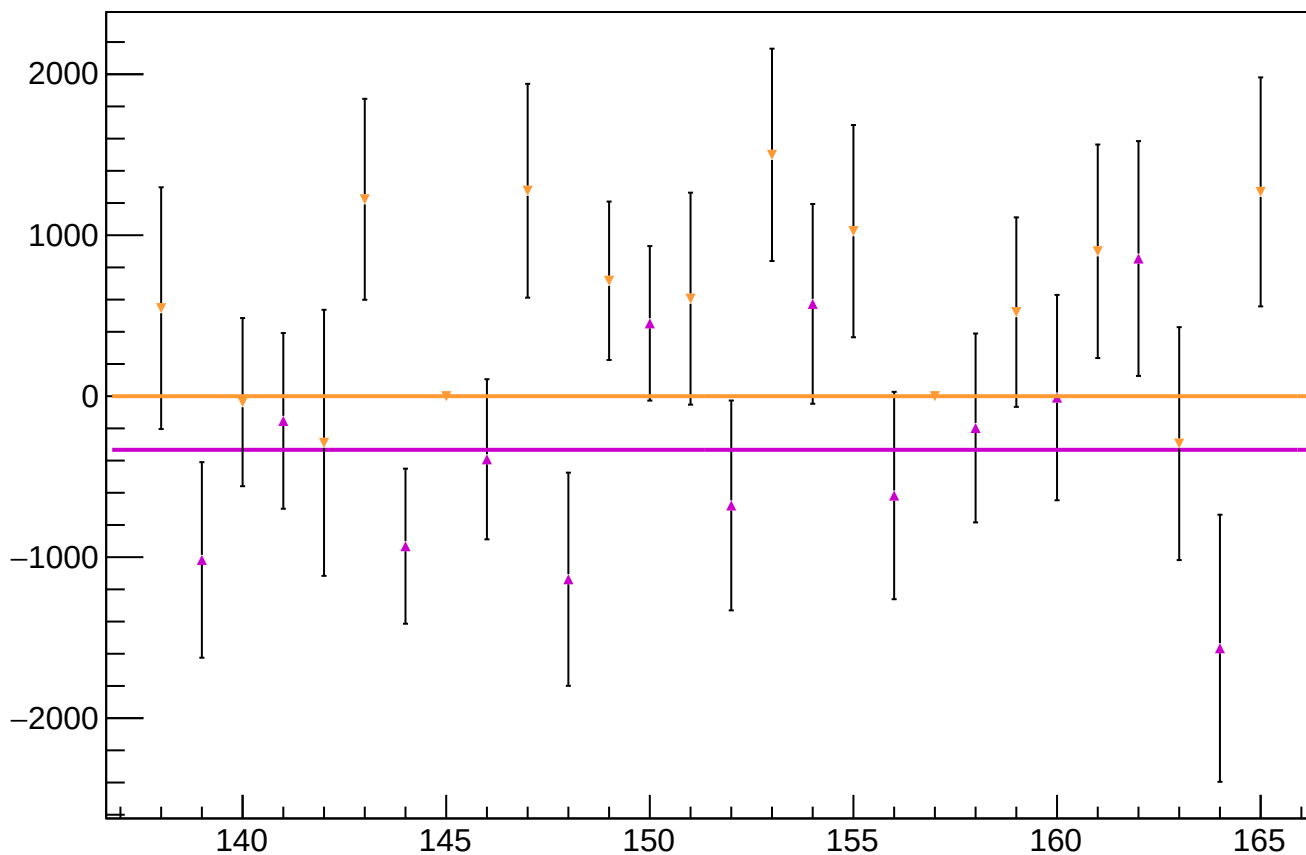
dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 97.910+/-0.021 χ^2/NDF :373370.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 100.560+/-0.022 χ^2/NDF :106817.5/12

Left: 99.161+/-0.015 χ^2/NDF : 487710.1/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 100.560+/-0.022 χ^2/NDF :106817.5/12
 Out: 97.910+/-0.021 χ^2/NDF :373370.9/14
 All: 99.161+/-0.015 χ^2/NDF : 487710.1/27

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 : 25.0/14

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

Left In: -333.081+/-164.175 χ^2/NDF : 14.9/12

Left: -0.000+/-0.000 χ^2/NDF : 44.0/27

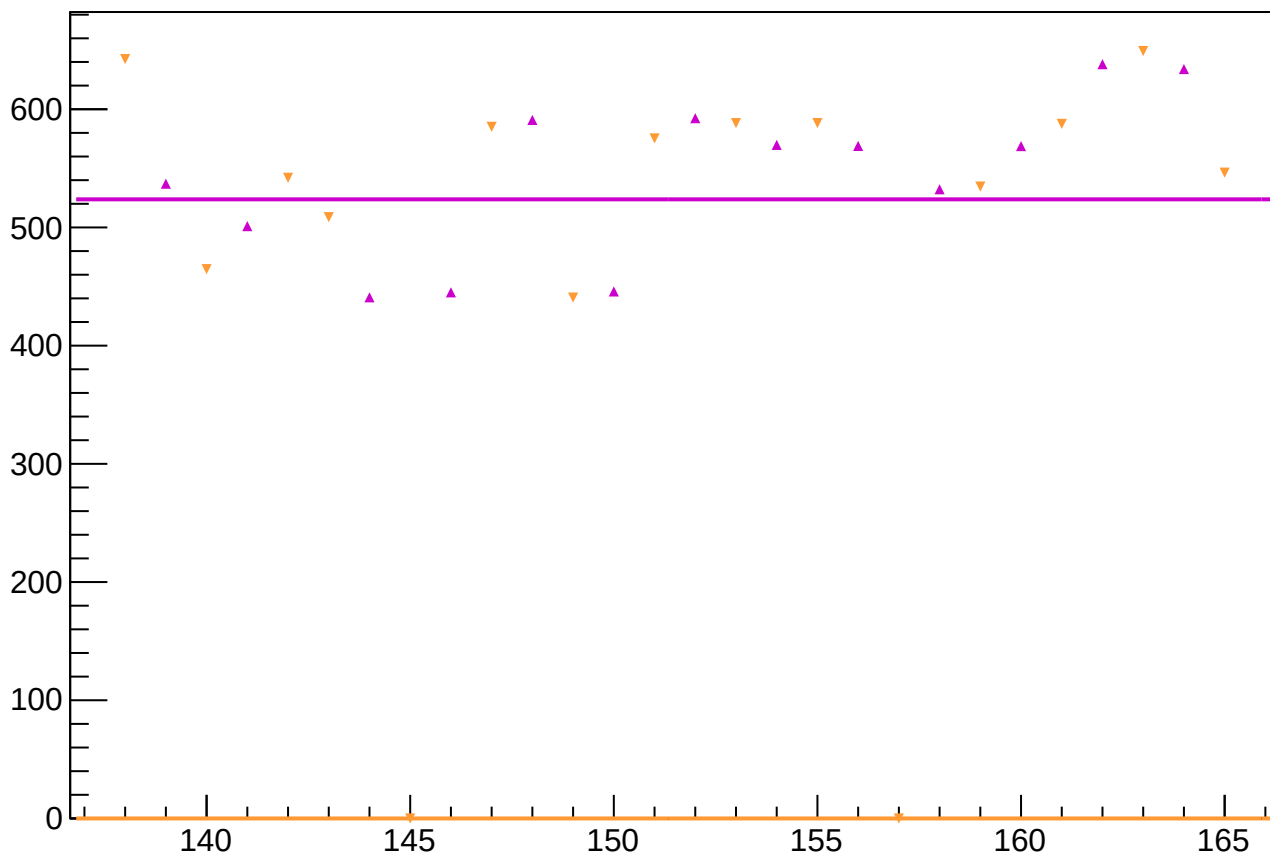
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -333.081+/-164.175 χ^2/NDF : 14.9/12

Out: -0.000+/-0.000 χ^2/NDF : 25.0/14

All: -0.000+/-0.000 χ^2/NDF : 44.0/27

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 :19112909.8/14

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

Left In: 523.778+/-0.116 χ^2/NDF :324905.5/12

Left: 0.000+/-0.000 χ^2/NDF : 39794531.4/27

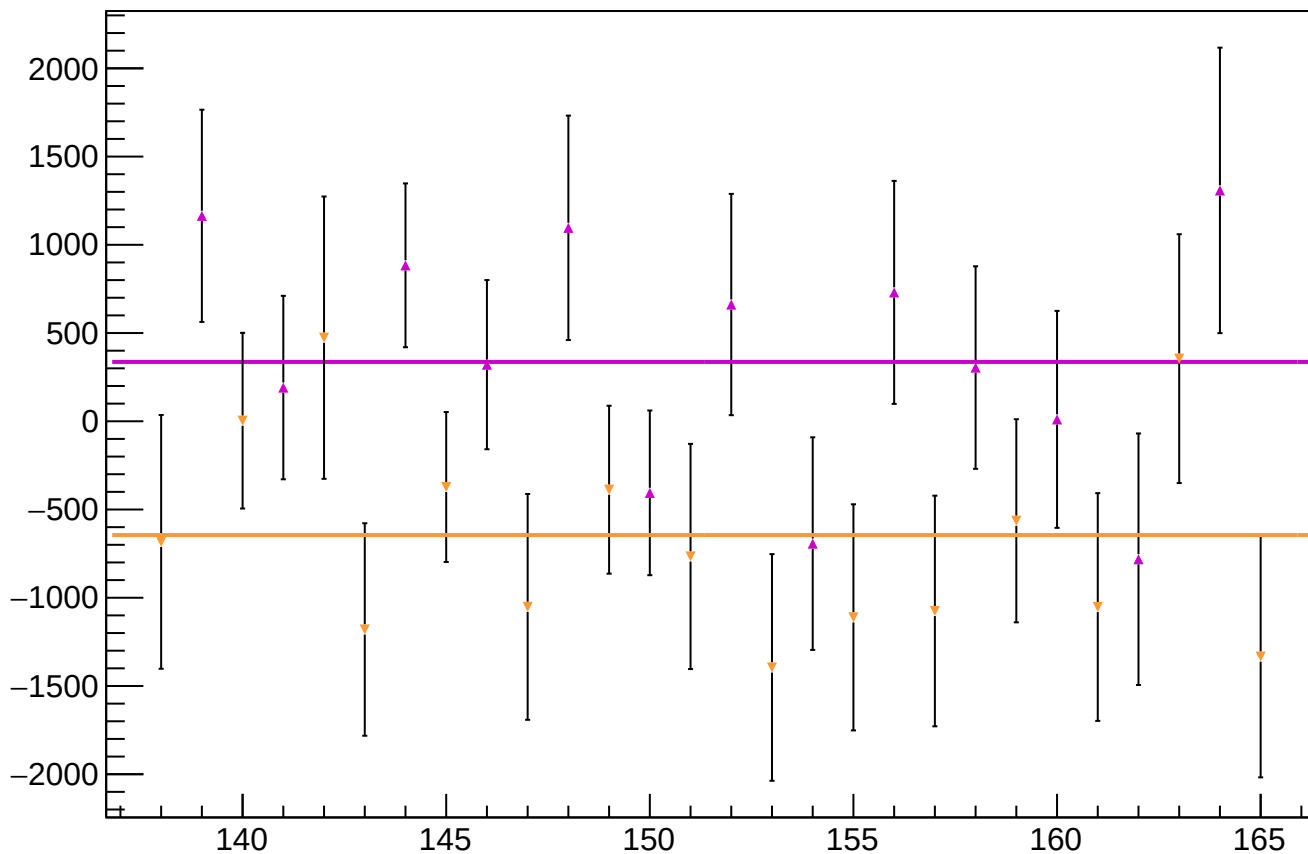
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 523.778+/-0.116 χ^2/NDF :324905.5/12

Out: 0.000+/-0.000 χ^2/NDF :19112909.8/14

All: 0.000+/-0.000 χ^2/NDF : 39794531.4/27

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -644.609+/-154.458 χ^2/NDF :11.4/14

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

Left In: 336.339+/-159.091 χ^2/NDF :15.1/12

Left: -168.627+/-110.820 χ^2/NDF : 46.0/27

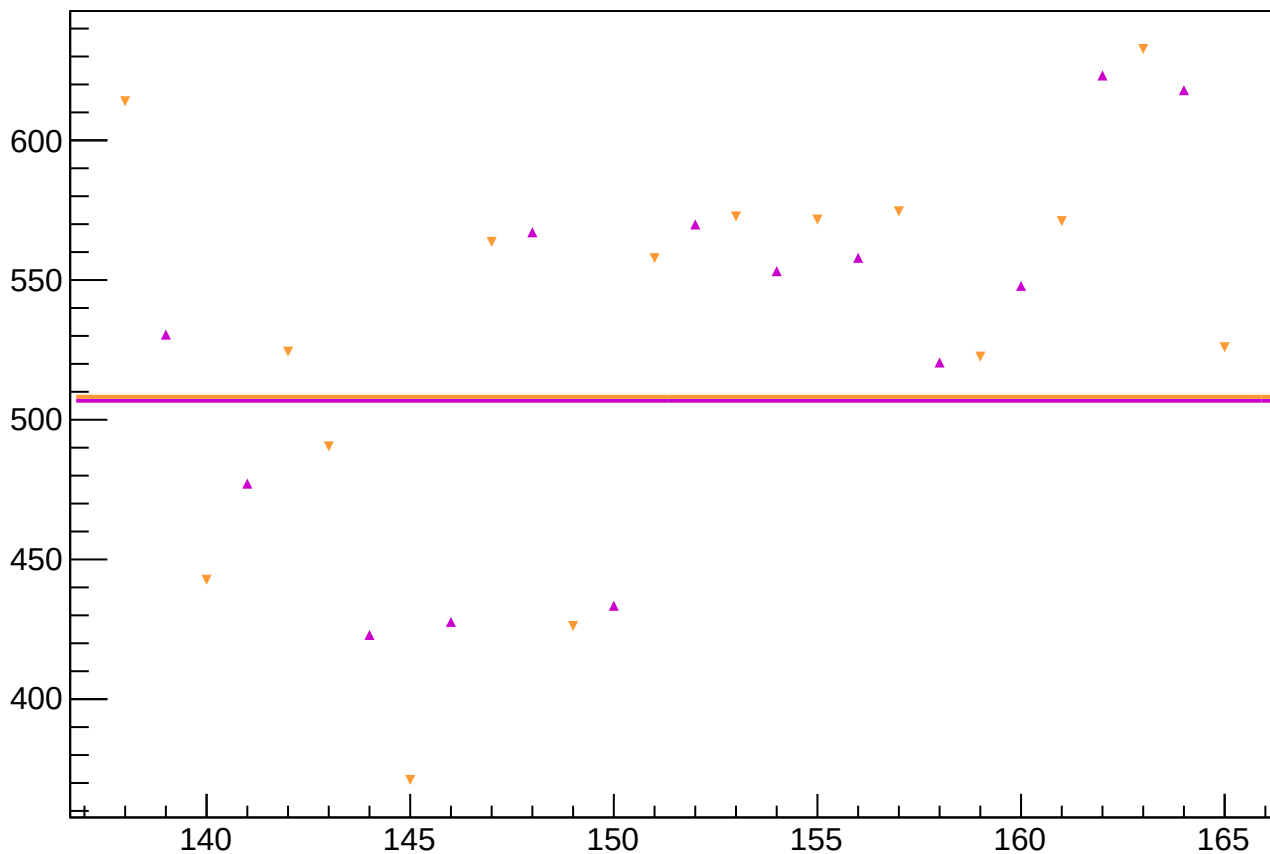
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 336.339+/-159.091 χ^2/NDF :15.1/12

Out: -644.609+/-154.458 χ^2/NDF :11.4/14

All: -168.627+/-110.820 χ^2/NDF : 46.0/27

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 508.226+/-0.109 χ^2/NDF : 519627.3/14

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

Left In: 506.815+/-0.112 χ^2/NDF : 343237.4/12

Left: 507.542+/-0.078 χ^2/NDF : 862945.7/27

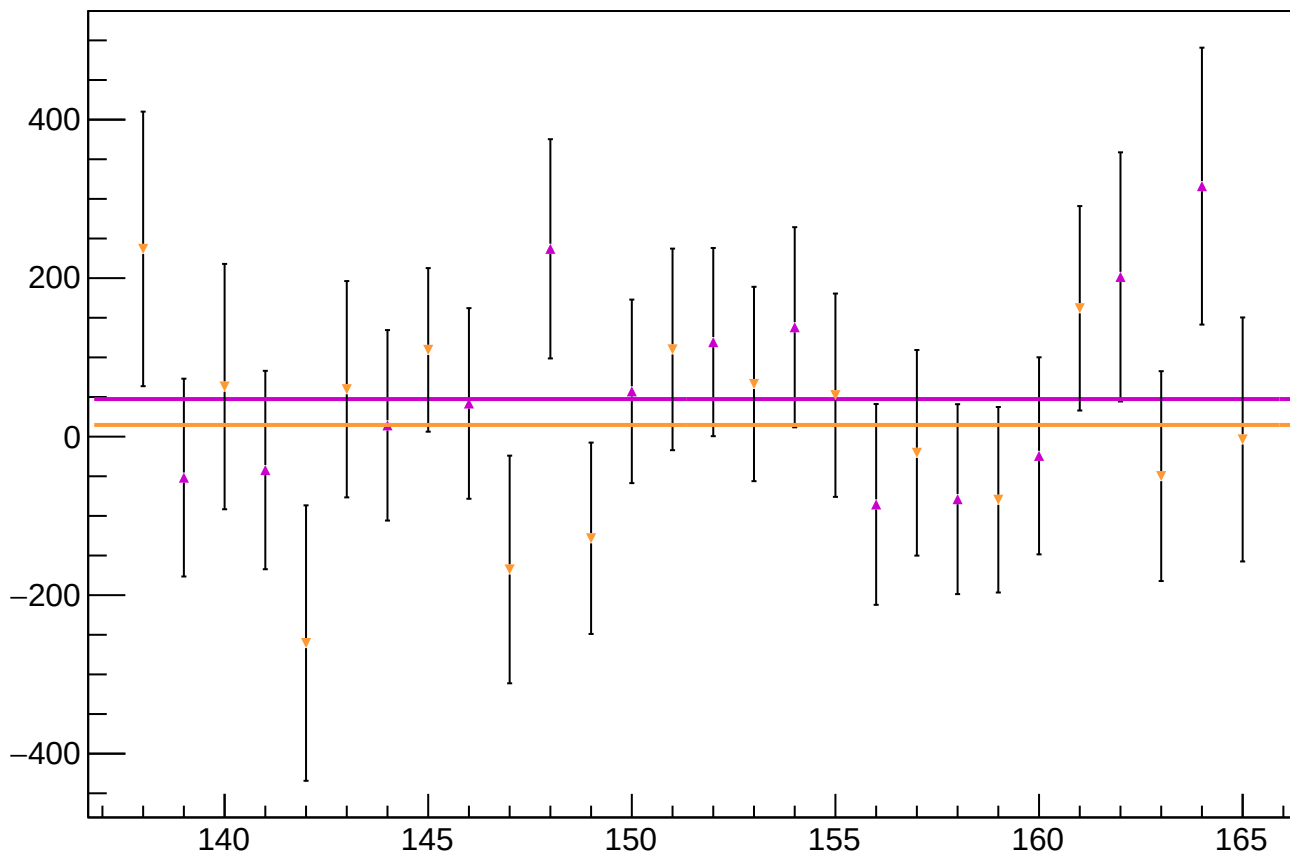
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 506.815+/-0.112 χ^2/NDF : 343237.4/12

Out: 508.226+/-0.109 χ^2/NDF : 519627.3/14

All: 507.542+/-0.078 χ^2/NDF : 862945.7/27

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: 14.762 $\pm$ 34.224 χ^2 /NDF:11.3/14

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

Left In: 47.413 $\pm$ 35.425 χ^2 /NDF:9.9/12

Left: 30.525 $\pm$ 24.614 χ^2 /NDF: 21.6/27

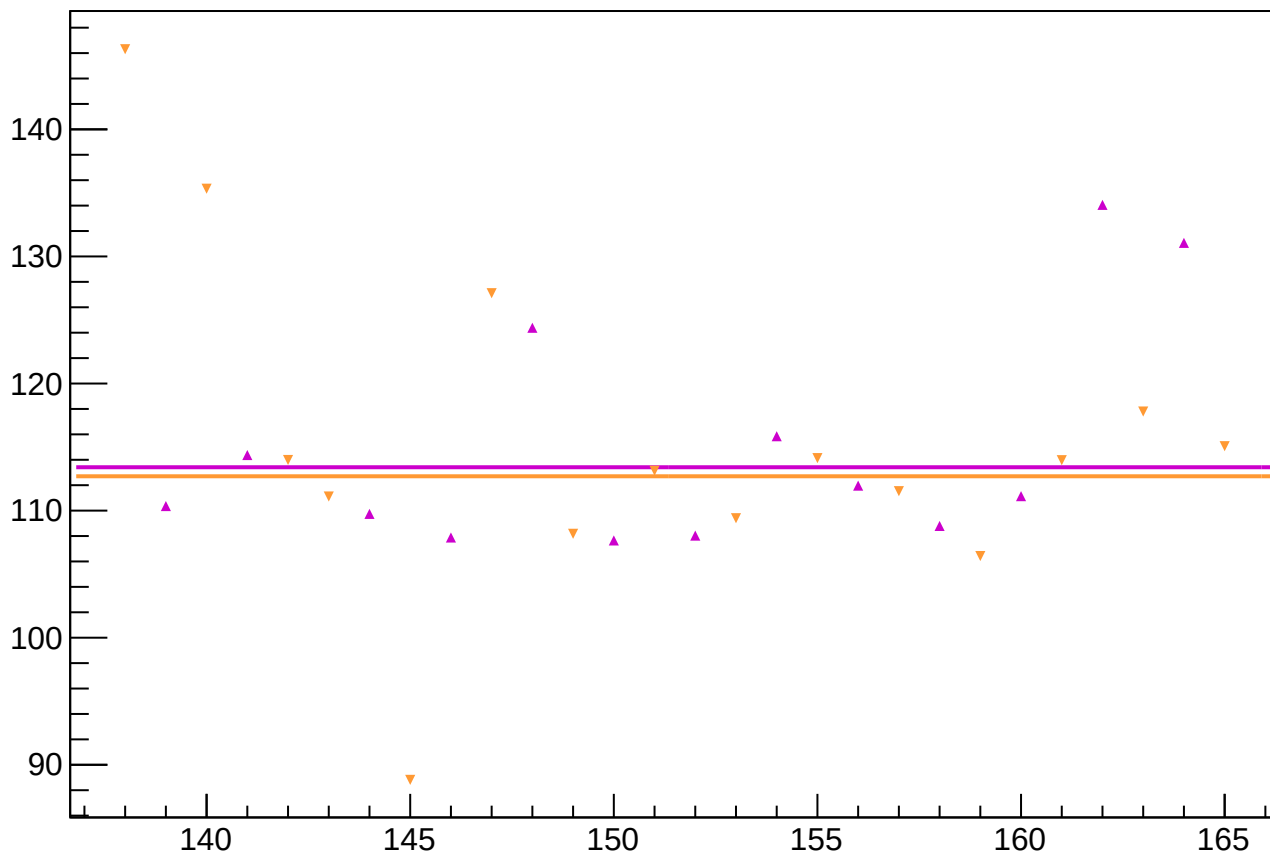
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 47.413 $\pm$ 35.425 χ^2 /NDF:9.9/12

Out: 14.762 $\pm$ 34.224 χ^2 /NDF:11.3/14

All: 30.525 $\pm$ 24.614 χ^2 /NDF: 21.6/27

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 112.702+/-0.024 χ^2/NDF : 259734.7/14

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

Left In: 113.413+/-0.025 χ^2/NDF : 88647.1/12

Left: 113.045+/-0.017 χ^2/NDF : 348798.4/27

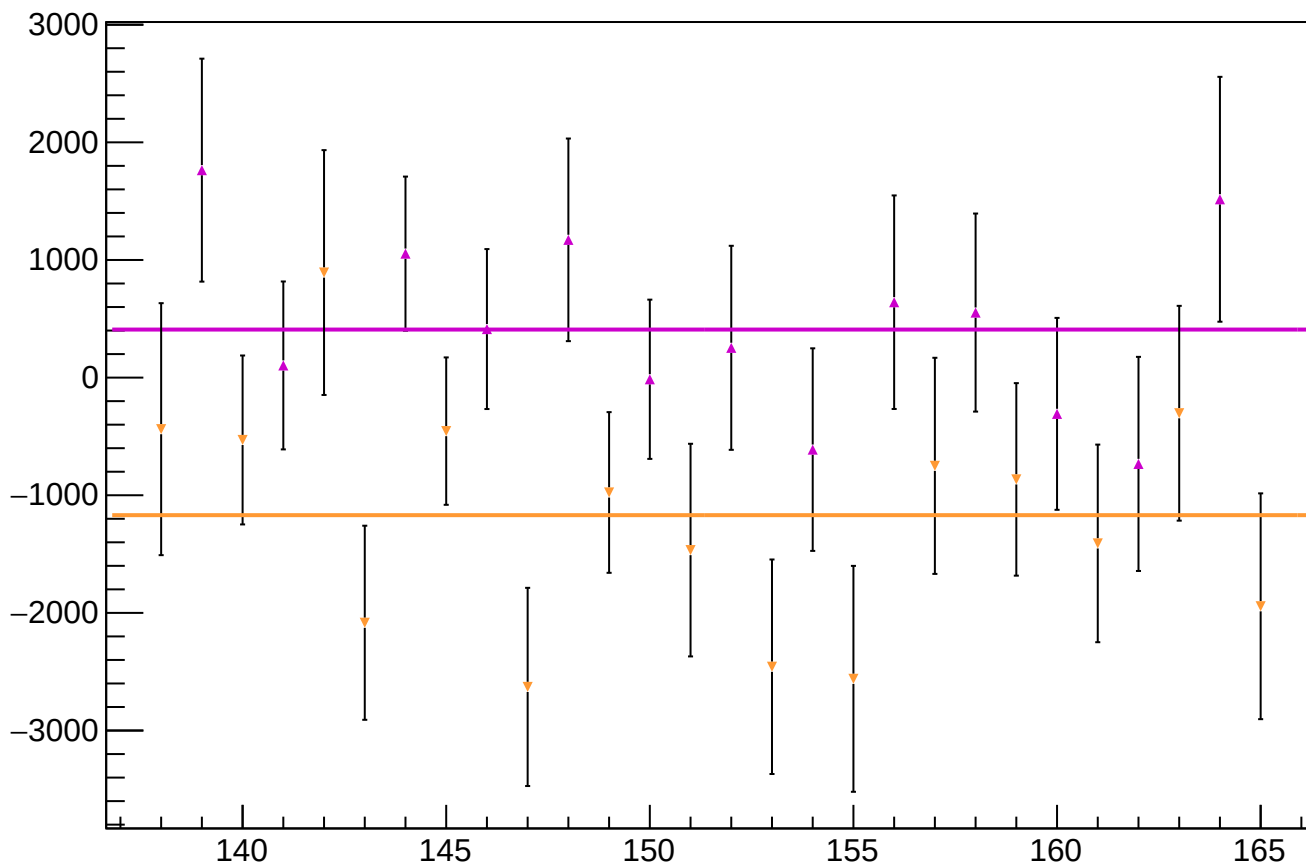
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 113.413+/-0.025 χ^2/NDF : 88647.1/12

Out: 112.702+/-0.024 χ^2/NDF : 259734.7/14

All: 113.045+/-0.017 χ^2/NDF : 348798.4/27

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1169.222+/-217.193 χ^2/NDF :17.0/14

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

Left In: 408.471+/-223.385 χ^2/NDF :9.4/12

Left: -402.545+/-155.722 χ^2/NDF : 52.0/27

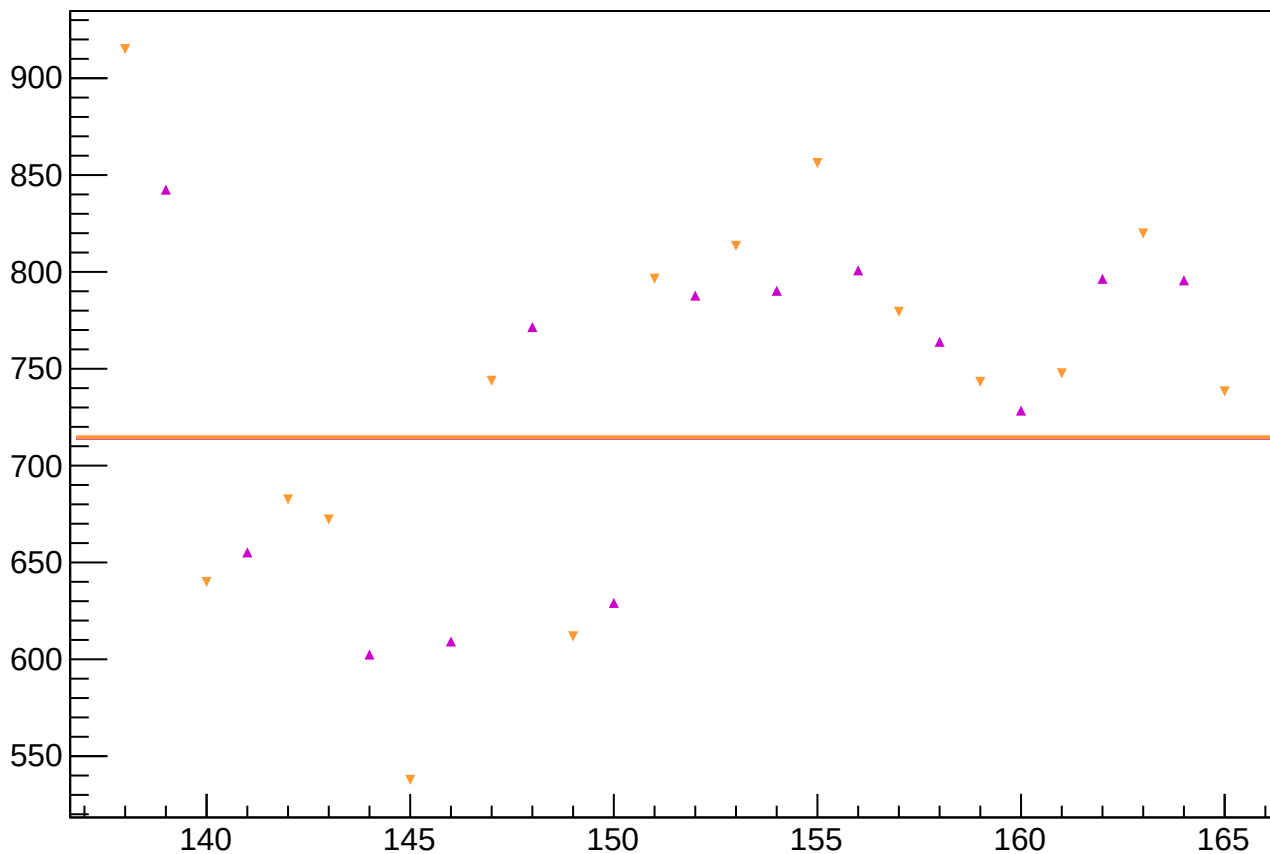
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 408.471+/-223.385 χ^2/NDF :9.4/12

Out: -1169.222+/-217.193 χ^2/NDF :17.0/14

All: -402.545+/-155.722 χ^2/NDF : 52.0/27

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 714.564+/-0.154 χ^2/NDF : 432642.0/14

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

Left In: 714.338+/-0.158 χ^2/NDF : 281046.4/12

Left: 714.454+/-0.110 χ^2/NDF : 713689.5/27

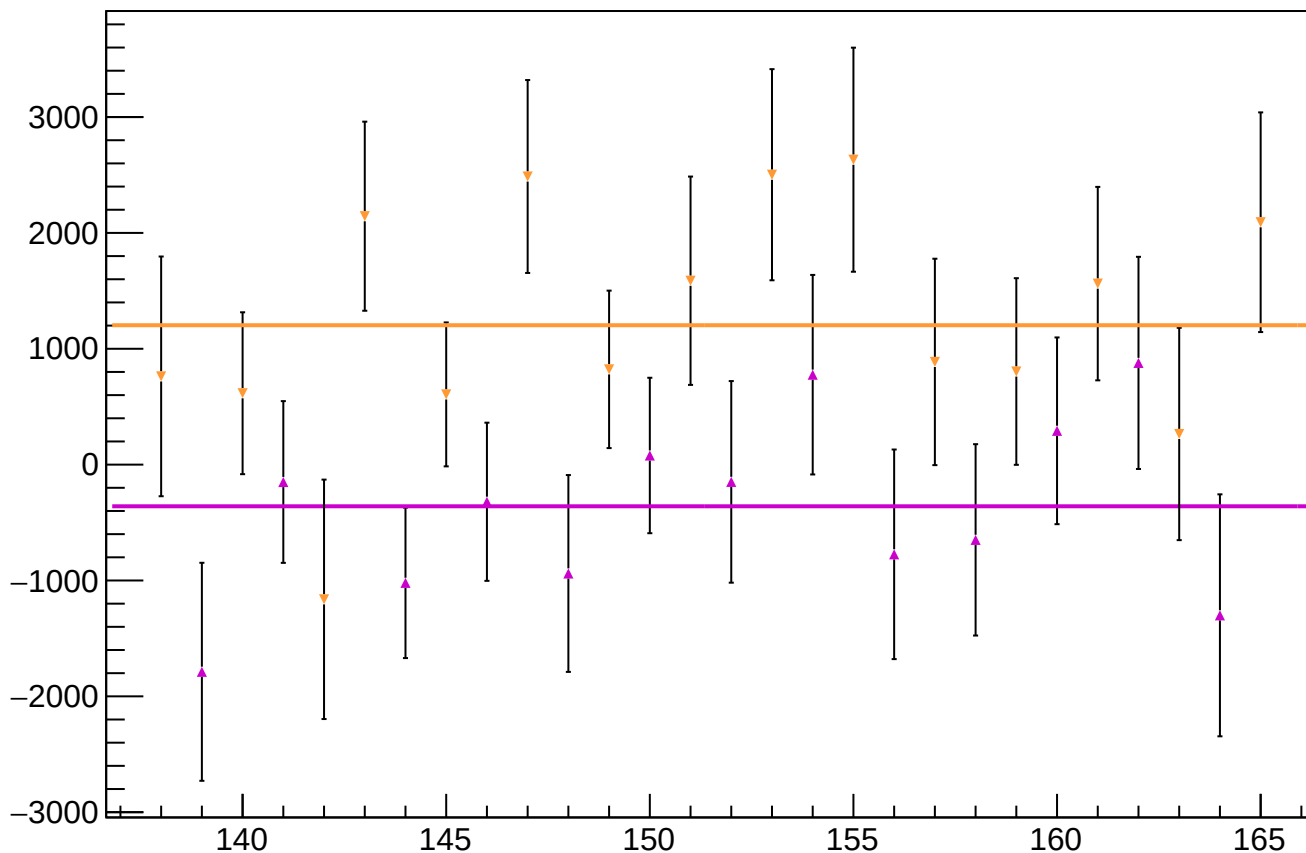
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 714.338+/-0.158 χ^2/NDF : 281046.4/12

Out: 714.564+/-0.154 χ^2/NDF : 432642.0/14

All: 714.454+/-0.110 χ^2/NDF : 713689.5/27

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1203.287 $\pm$ 214.807 χ^2 /NDF:18.0/14

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

Left In: -359.620 $\pm$ 221.870 χ^2 /NDF:9.8/12

Left: 447.107 $\pm$ 154.328 χ^2 /NDF: 53.3/27

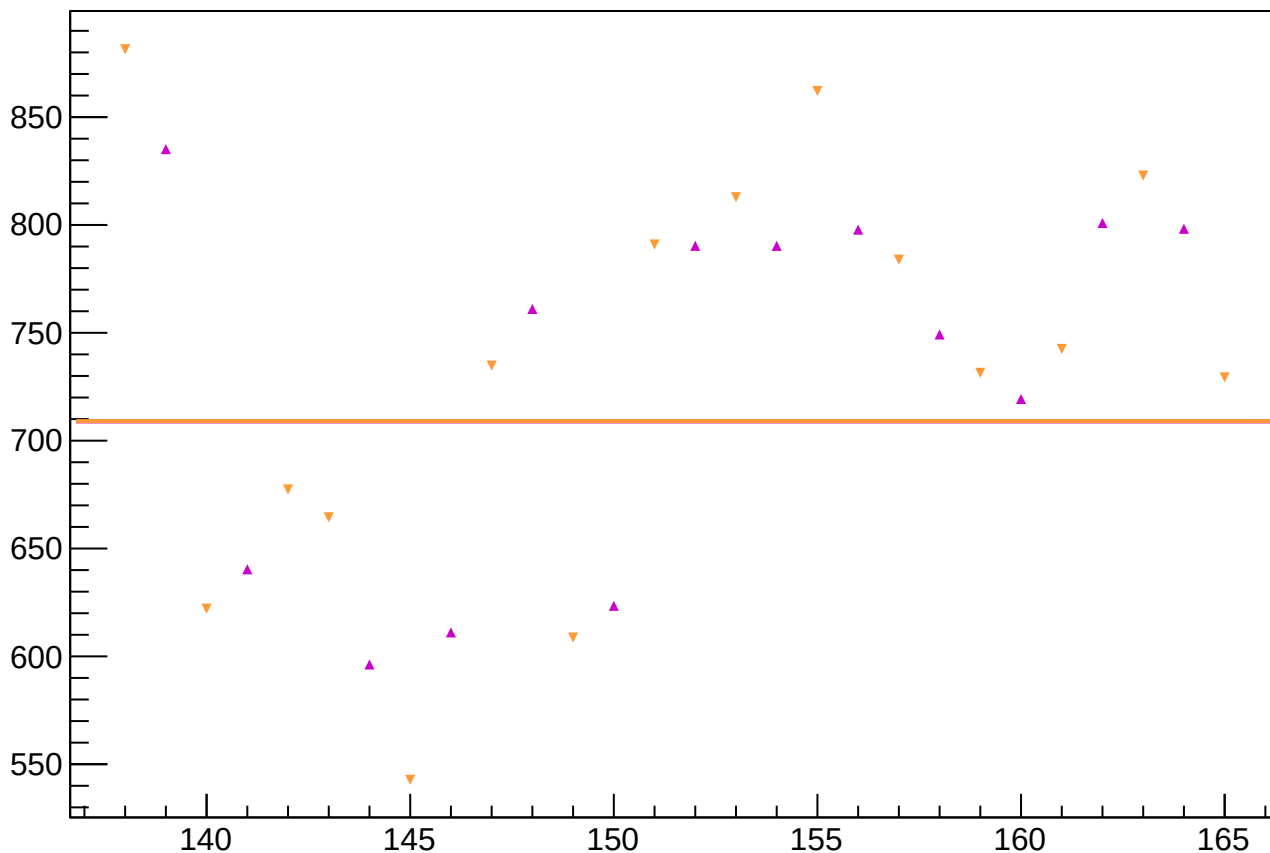
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -359.620 $\pm$ 221.870 χ^2 /NDF:9.8/12

Out: 1203.287 $\pm$ 214.807 χ^2 /NDF:18.0/14

All: 447.107 $\pm$ 154.328 χ^2 /NDF: 53.3/27

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 709.061+/-0.152 χ^2/NDF : 426552.9/14

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

Left In: 708.921+/-0.157 χ^2/NDF : 291198.3/12

Left: 708.993+/-0.109 χ^2/NDF : 717751.6/27

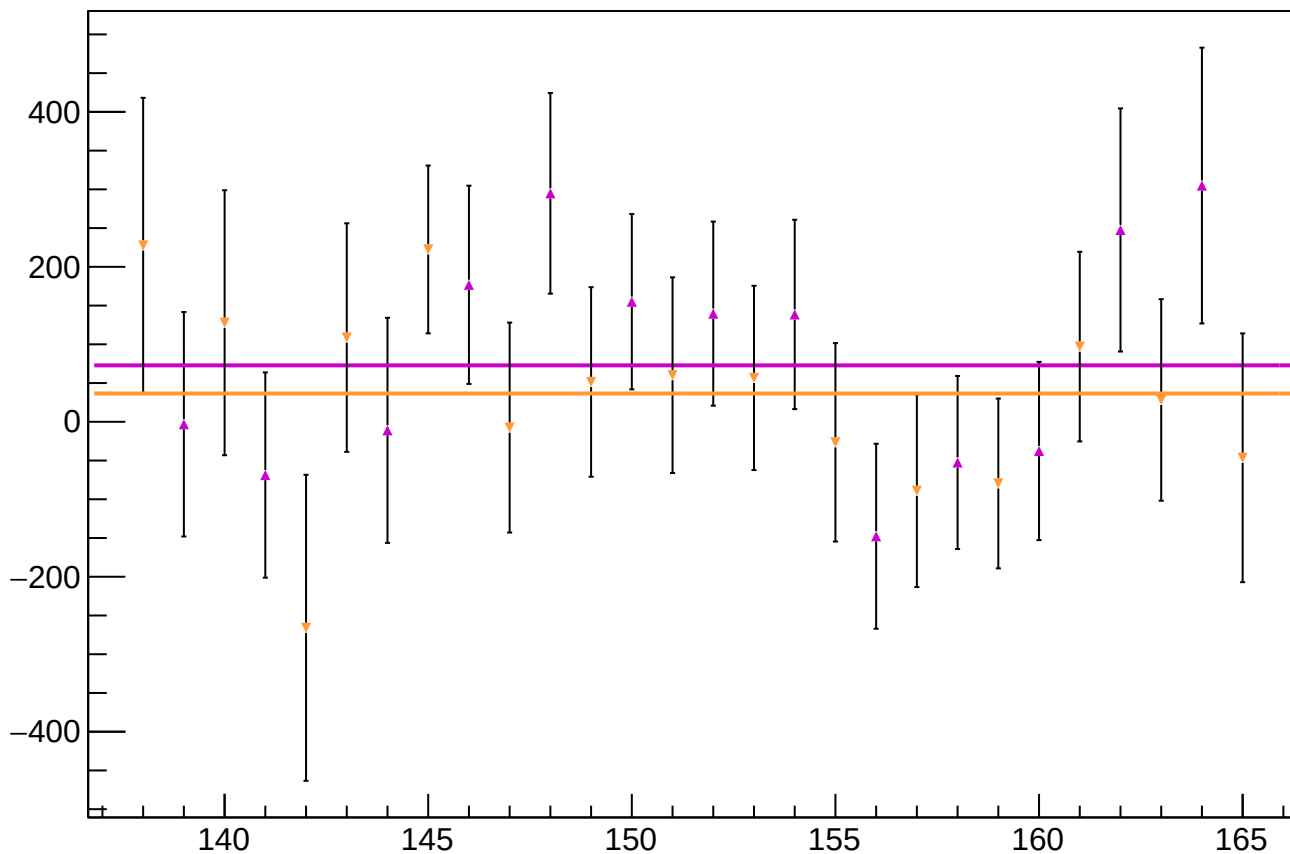
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 708.921+/-0.157 χ^2/NDF : 291198.3/12

Out: 709.061+/-0.152 χ^2/NDF : 426552.9/14

All: 708.993+/-0.109 χ^2/NDF : 717751.6/27

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 36.540+/-34.363 χ^2/NDF :9.9/14

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

Left In: 72.846+/-35.651 χ^2/NDF :15.0/12

Left: 54.025+/-24.741 χ^2/NDF : 25.5/27

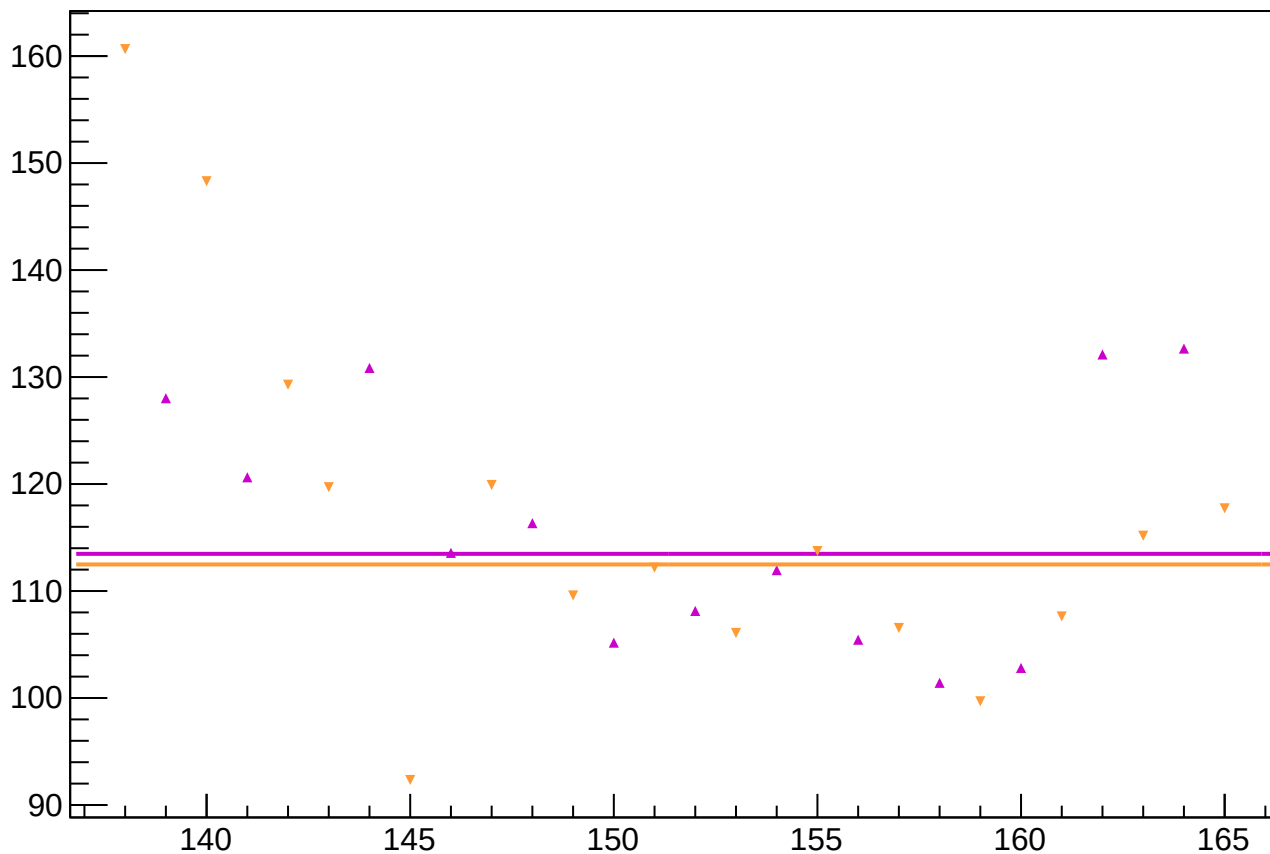
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 72.846+/-35.651 χ^2/NDF :15.0/12

Out: 36.540+/-34.363 χ^2/NDF :9.9/14

All: 54.025+/-24.741 χ^2/NDF : 25.5/27

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 112.483+/-0.024 χ^2/NDF : 355093.7/14

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

Left In: 113.474+/-0.025 χ^2/NDF : 171656.6/12

Left: 112.960+/-0.017 χ^2/NDF : 527551.0/27

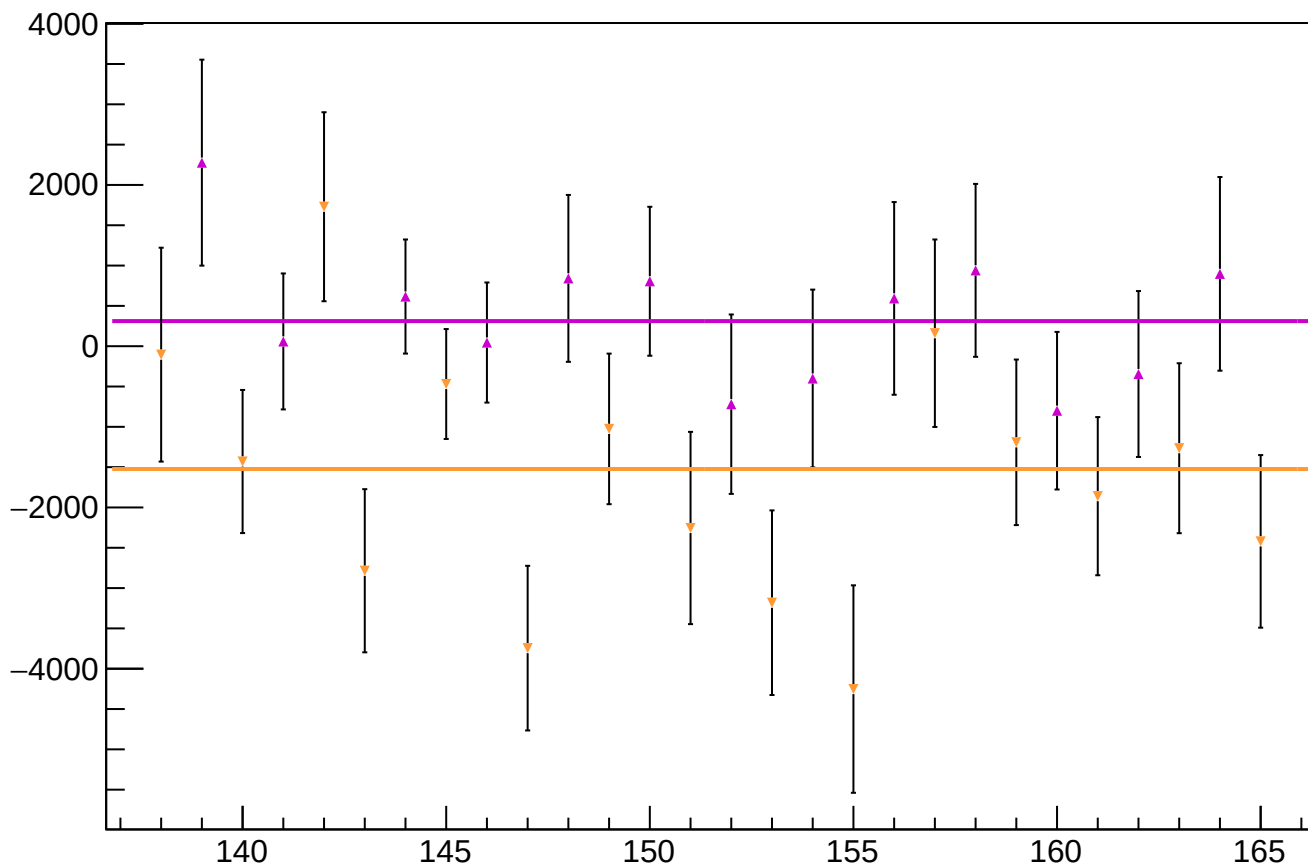
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 113.474+/-0.025 χ^2/NDF : 171656.6/12

Out: 112.483+/-0.024 χ^2/NDF : 355093.7/14

All: 112.960+/-0.017 χ^2/NDF : 527551.0/27

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1523.271+/-263.769 χ^2/NDF :27.9/14

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

Left In: 311.456+/-269.078 χ^2/NDF :6.9/12

Left: -624.186+/-188.362 χ^2/NDF : 58.5/27

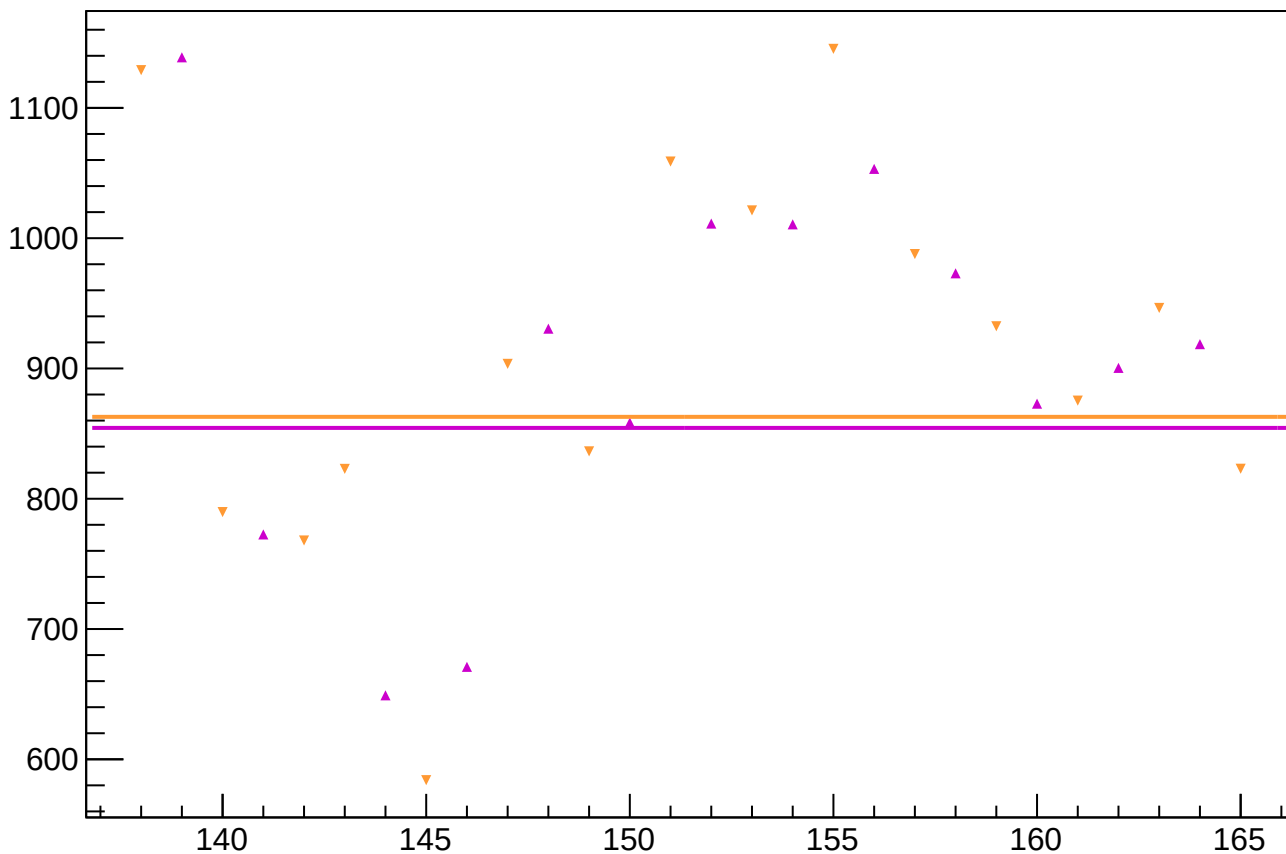
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 311.456+/-269.078 χ^2/NDF :6.9/12

Out: -1523.271+/-263.769 χ^2/NDF :27.9/14

All: -624.186+/-188.362 χ^2/NDF : 58.5/27

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 862.862+/-0.187 χ^2/NDF : 686633.9/14

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

Left In: 854.372+/-0.190 χ^2/NDF : 588777.6/12

Left: 858.701+/-0.133 χ^2/NDF : 1276426.9/27

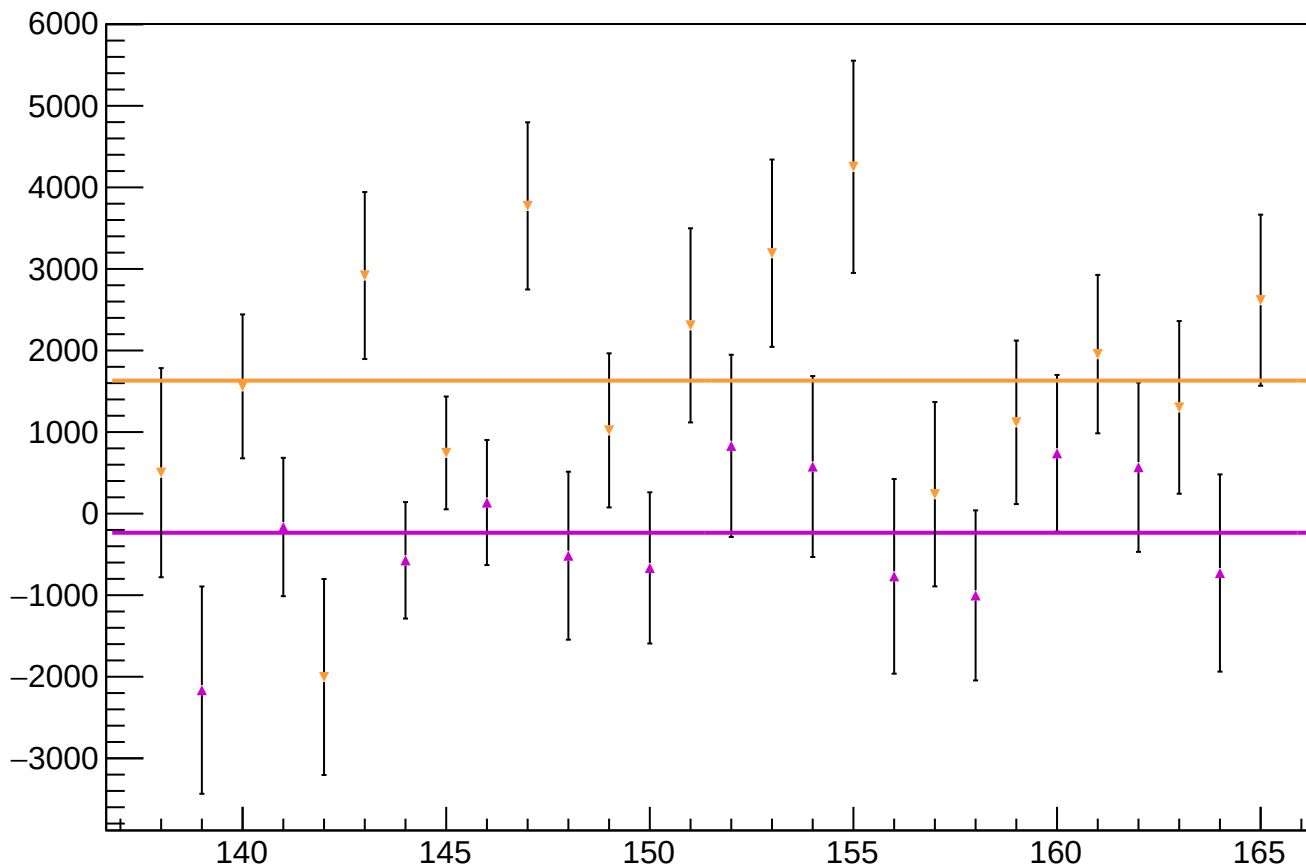
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 854.372+/-0.190 χ^2/NDF : 588777.6/12

Out: 862.862+/-0.187 χ^2/NDF : 686633.9/14

All: 858.701+/-0.133 χ^2/NDF : 1276426.9/27

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1630.666+/-263.542 χ^2/NDF : 27.0/14

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

Left In: -234.497+/-270.097 χ^2/NDF : 7.0/12

Left: 720.990+/-188.627 χ^2/NDF : 58.5/27

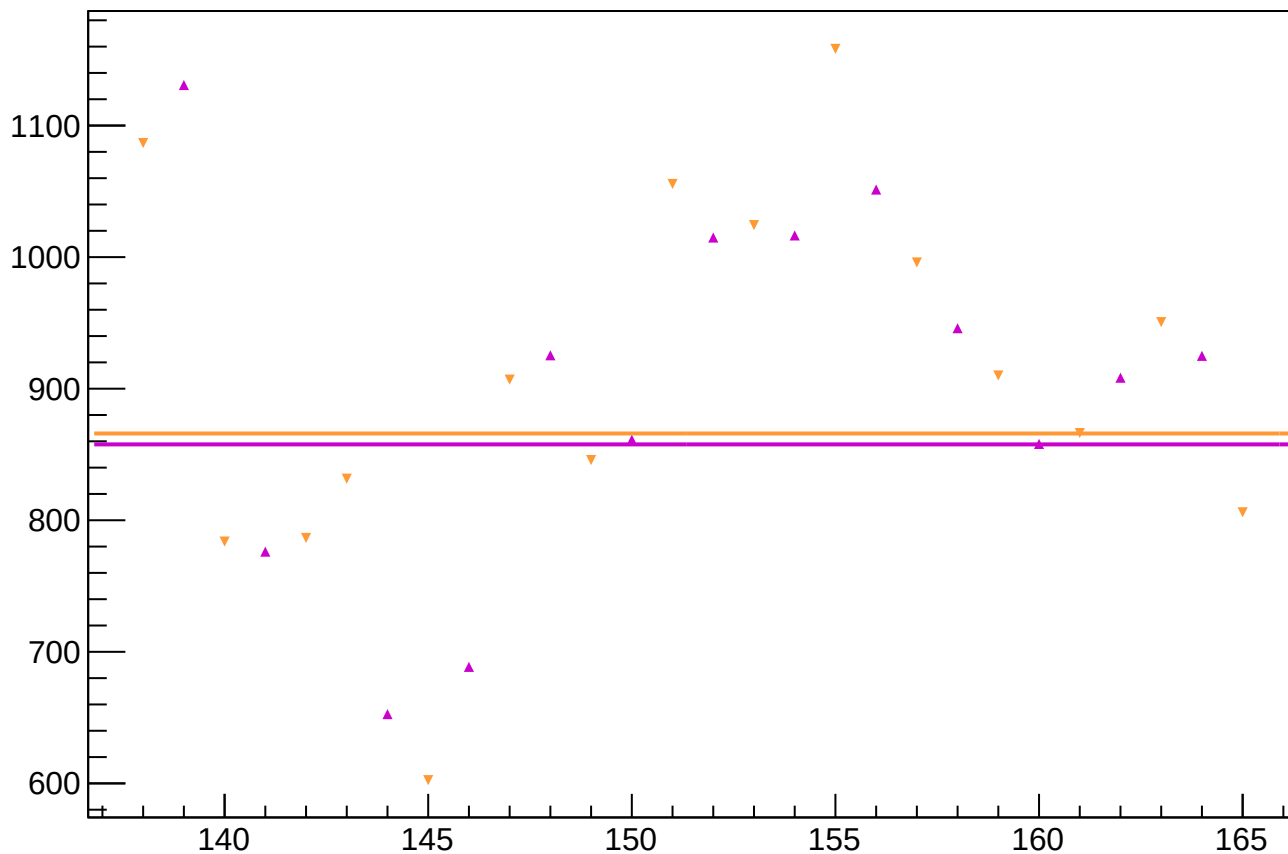
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -234.497+/-270.097 χ^2/NDF : 7.0/12

Out: 1630.666+/-263.542 χ^2/NDF : 27.0/14

All: 720.990+/-188.627 χ^2/NDF : 58.5/27

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 865.951+/-0.186 χ^2/NDF : 621555.2/14

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

Left In: 857.661+/-0.191 χ^2/NDF : 540190.1/12

Left: 861.908+/-0.133 χ^2/NDF : 1162710.4/27

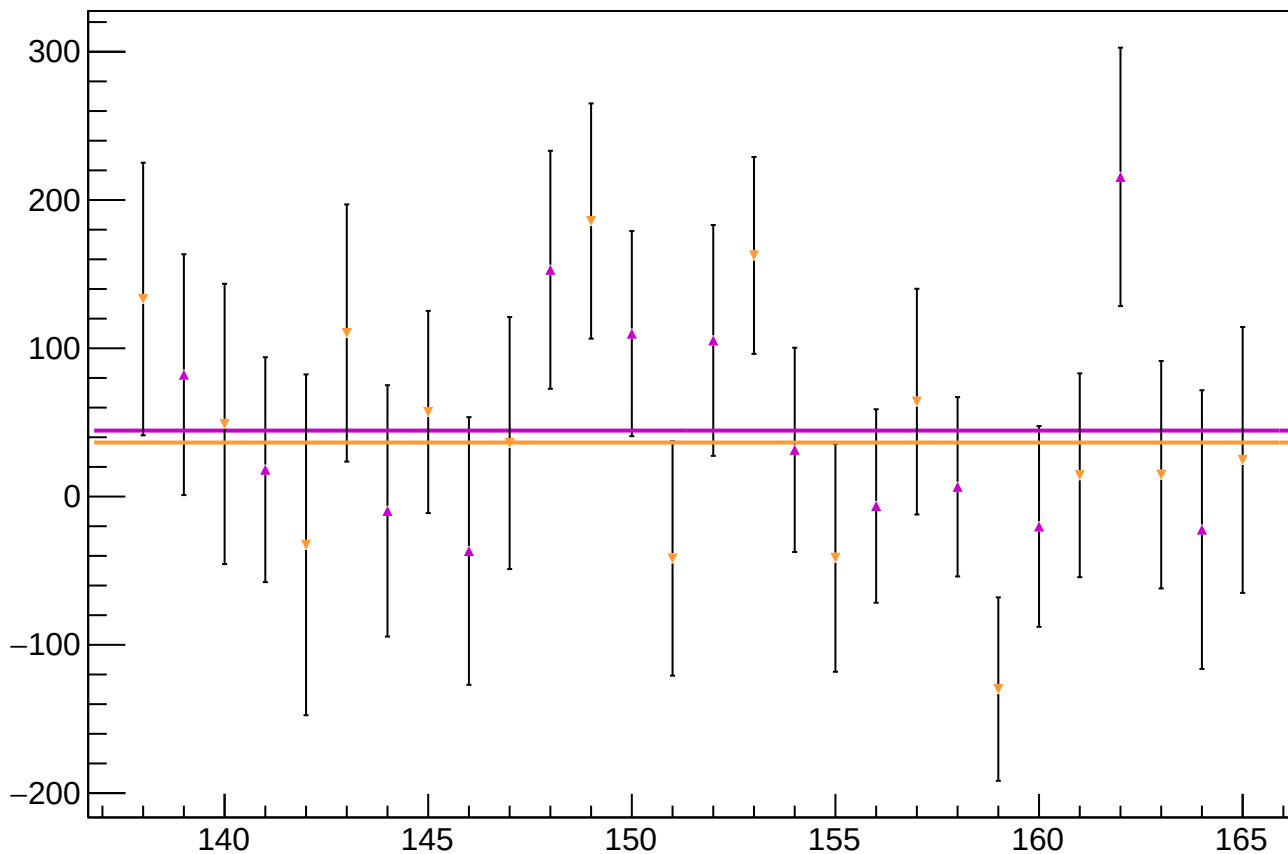
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 857.661+/-0.191 χ^2/NDF : 540190.1/12

Out: 865.951+/-0.186 χ^2/NDF : 621555.2/14

All: 861.908+/-0.133 χ^2/NDF : 1162710.4/27

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: 36.452 $\pm$ 20.214 χ^2 /NDF:19.0/14

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

Left In: 44.499 $\pm$ 20.857 χ^2 /NDF:11.2/12

Left: 40.350 $\pm$ 14.515 χ^2 /NDF: 30.3/27

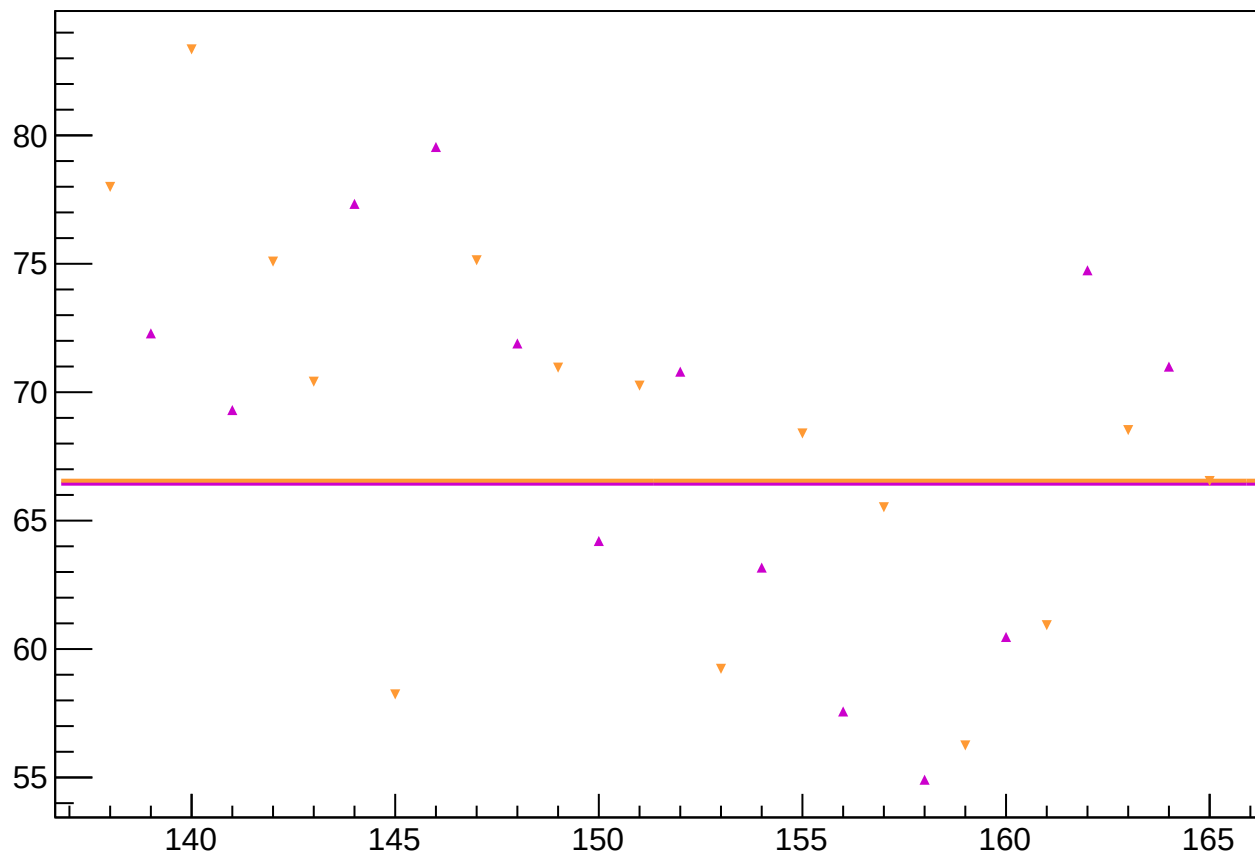
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 44.499 $\pm$ 20.857 χ^2 /NDF:11.2/12

Out: 36.452 $\pm$ 20.214 χ^2 /NDF:19.0/14

All: 40.350 $\pm$ 14.515 χ^2 /NDF: 30.3/27

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.555+/-0.014 χ^2/NDF :265843.2/14

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

Left In: 66.439+/-0.015 χ^2/NDF :258566.7/12

Left: 66.499+/-0.010 χ^2/NDF : 524441.7/27

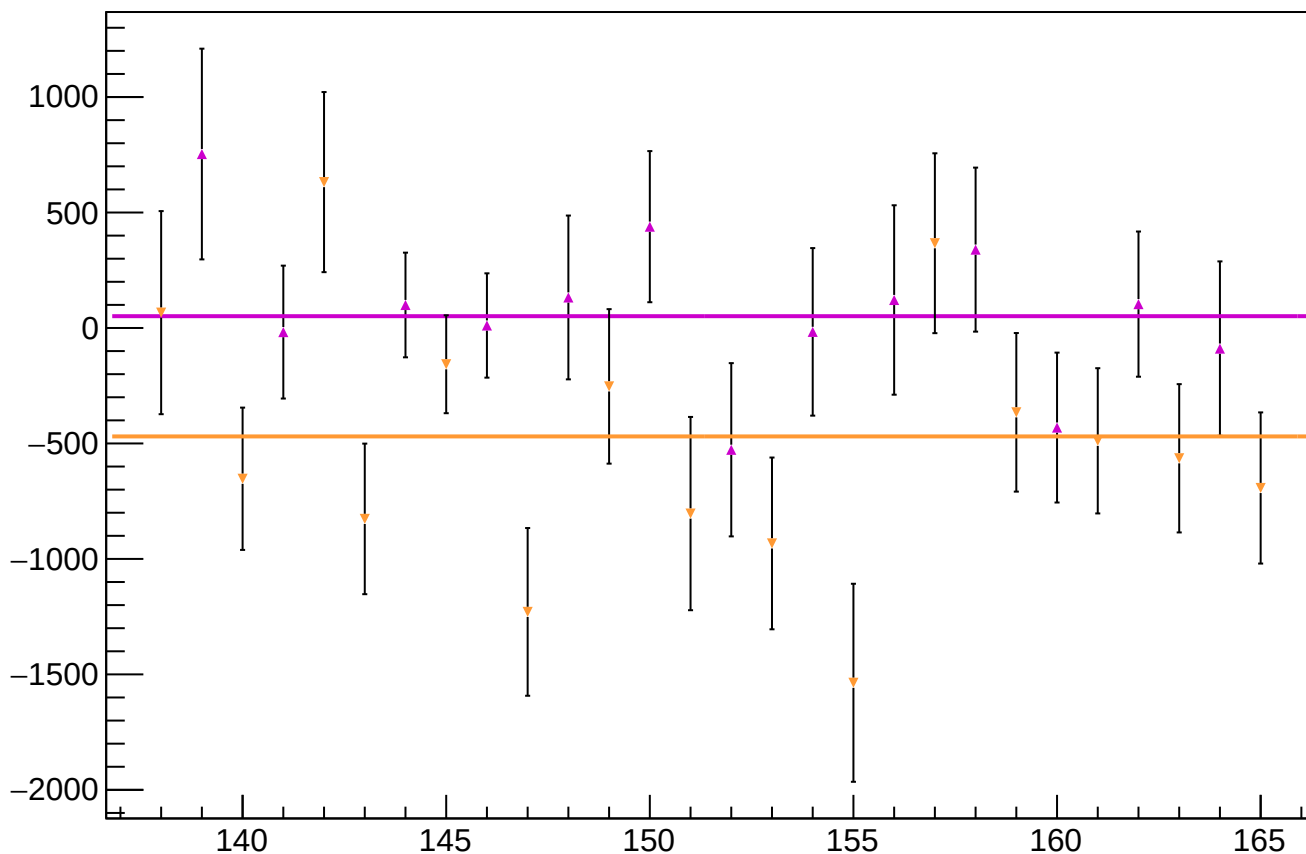
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 66.439+/-0.015 χ^2/NDF :258566.7/12

Out: 66.555+/-0.014 χ^2/NDF :265843.2/14

All: 66.499+/-0.010 χ^2/NDF : 524441.7/27

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -469.590+/-86.687 χ^2/NDF :31.6/14

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

Left In: 51.107+/-88.236 χ^2/NDF :9.4/12

Left: -213.853+/-61.837 χ^2/NDF : 58.8/27

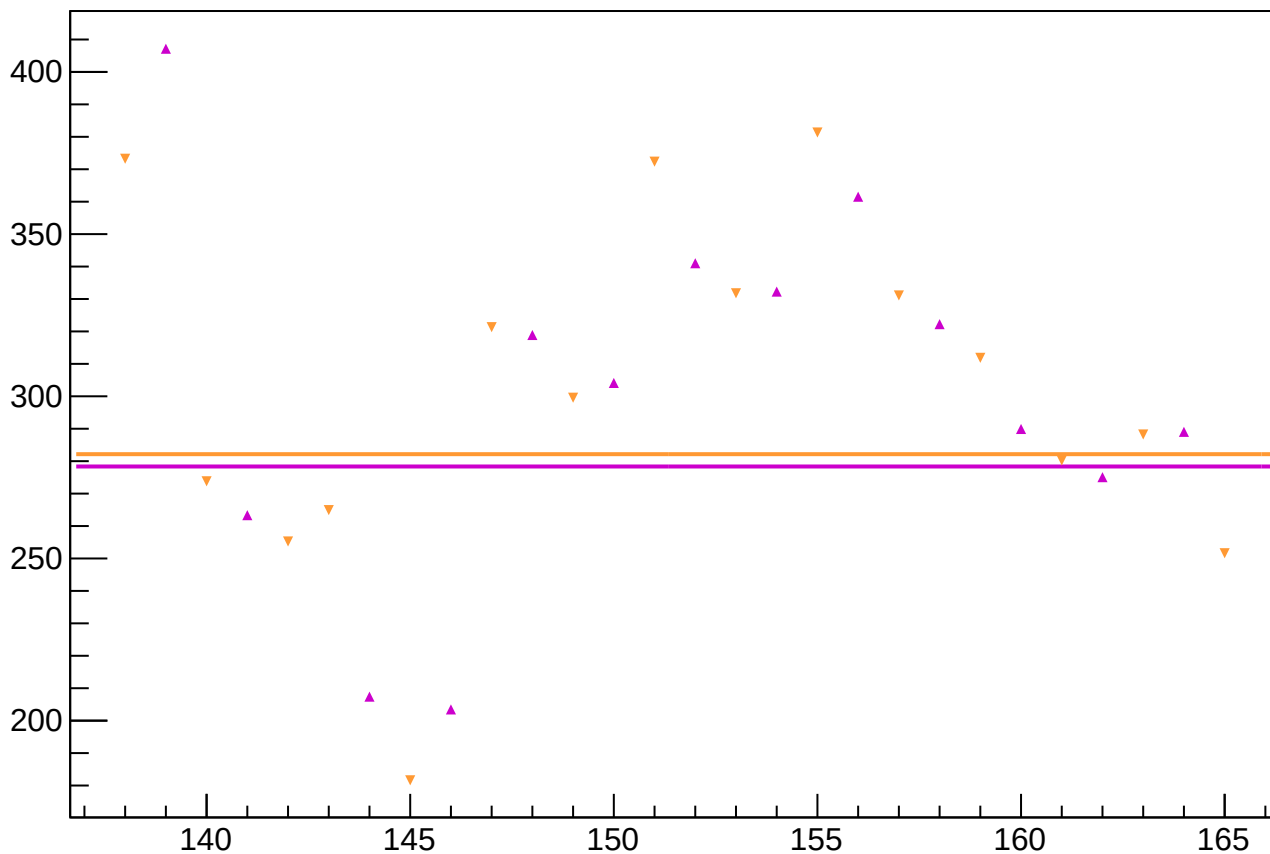
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 51.107+/-88.236 χ^2/NDF :9.4/12

Out: -469.590+/-86.687 χ^2/NDF :31.6/14

All: -213.853+/-61.837 χ^2/NDF : 58.8/27

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 282.156+/-0.061 χ^2/NDF : 881397.9/14

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

Left In: 278.360+/-0.062 χ^2/NDF : 836445.6/12

Left: 280.292+/-0.044 χ^2/NDF : 1719727.7/27

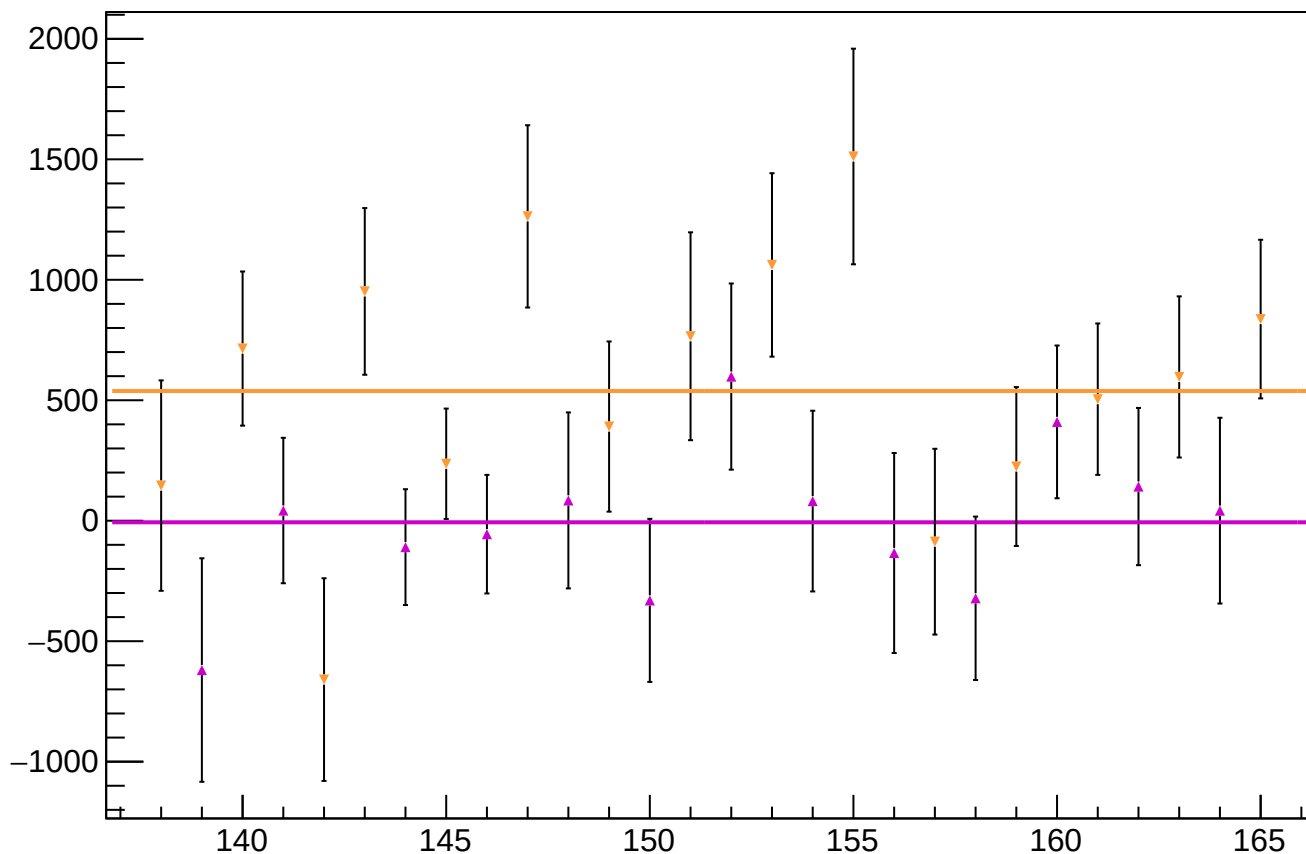
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 278.360+/-0.062 χ^2/NDF : 836445.6/12

Out: 282.156+/-0.061 χ^2/NDF : 881397.9/14

All: 280.292+/-0.044 χ^2/NDF : 1719727.7/27

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 538.473+/-89.593 χ^2/NDF :27.5/14

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

Left In: -6.518+/-91.263 χ^2/NDF :8.4/12

Left: 271.011+/-63.934 χ^2/NDF : 54.1/27

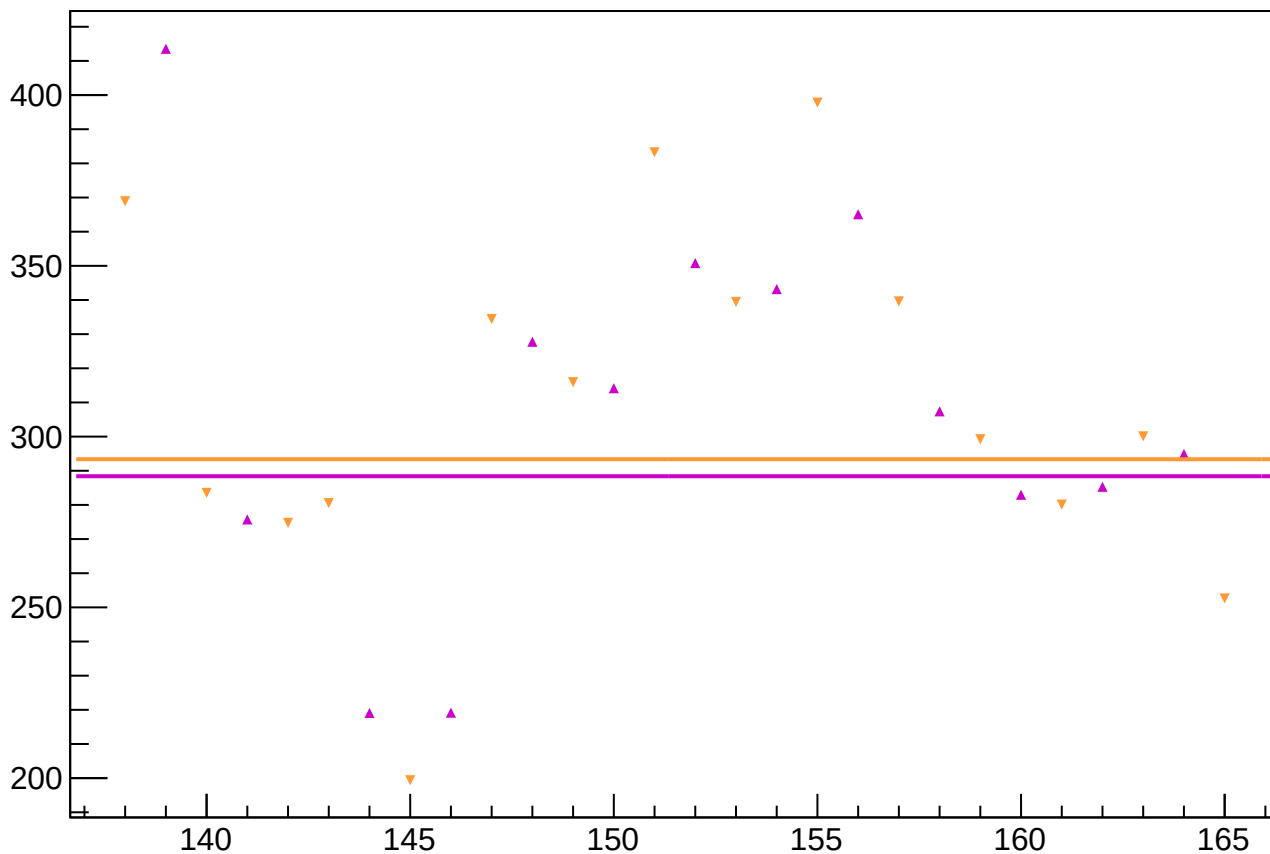
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.518+/-91.263 χ^2/NDF :8.4/12

Out: 538.473+/-89.593 χ^2/NDF :27.5/14

All: 271.011+/-63.934 χ^2/NDF : 54.1/27

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 293.376+/-0.063 χ^2/NDF : 726184.9/14

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

Left In: 288.397+/-0.065 χ^2/NDF : 679277.9/12

Left: 290.933+/-0.045 χ^2/NDF : 1408493.8/27

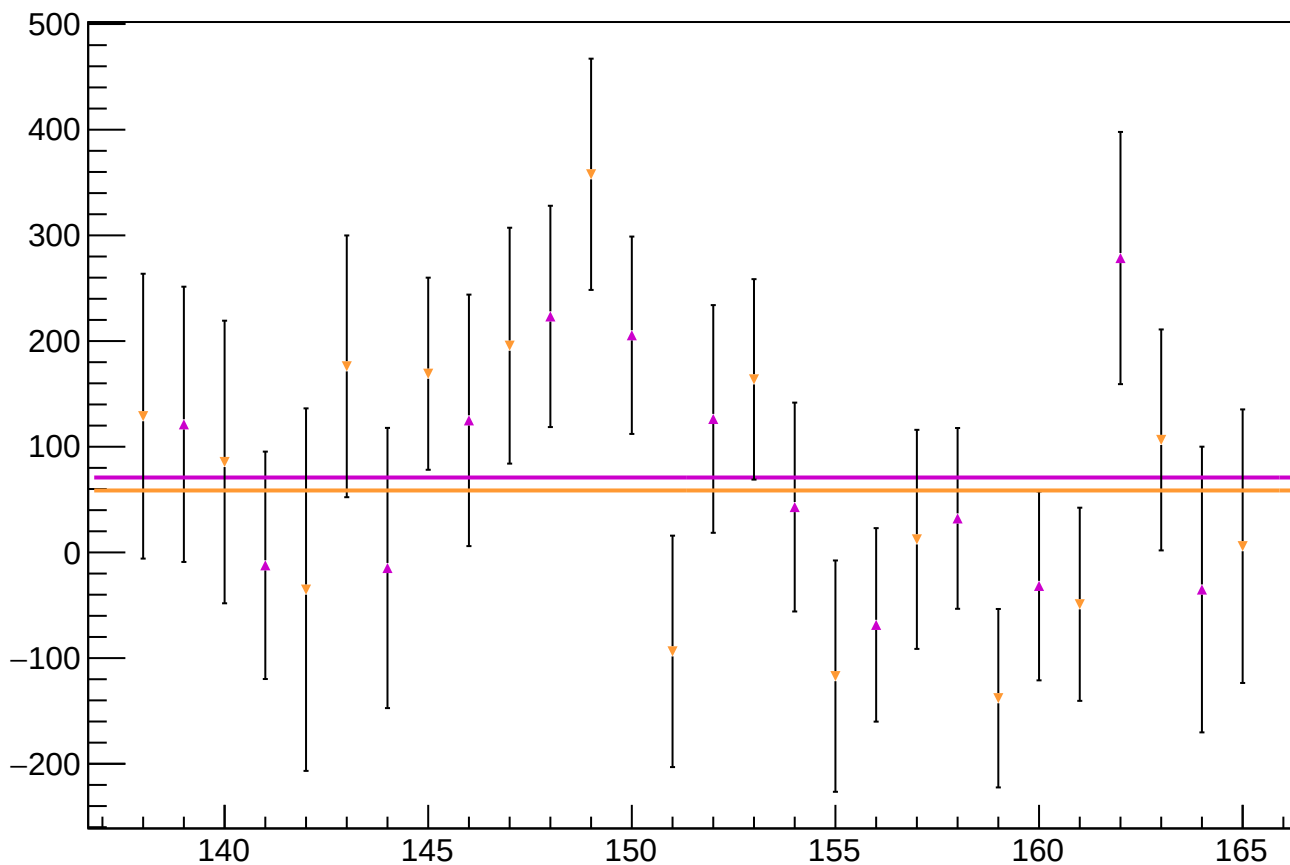
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 288.397+/-0.065 χ^2/NDF : 679277.9/12

Out: 293.376+/-0.063 χ^2/NDF : 726184.9/14

All: 290.933+/-0.045 χ^2/NDF : 1408493.8/27

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: 58.616 $\pm$ 27.979 χ^2 /NDF:25.1/14

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

Left In: 70.890 $\pm$ 29.191 χ^2 /NDF:13.4/12

Left: 64.493 $\pm$ 20.199 χ^2 /NDF: 38.6/27

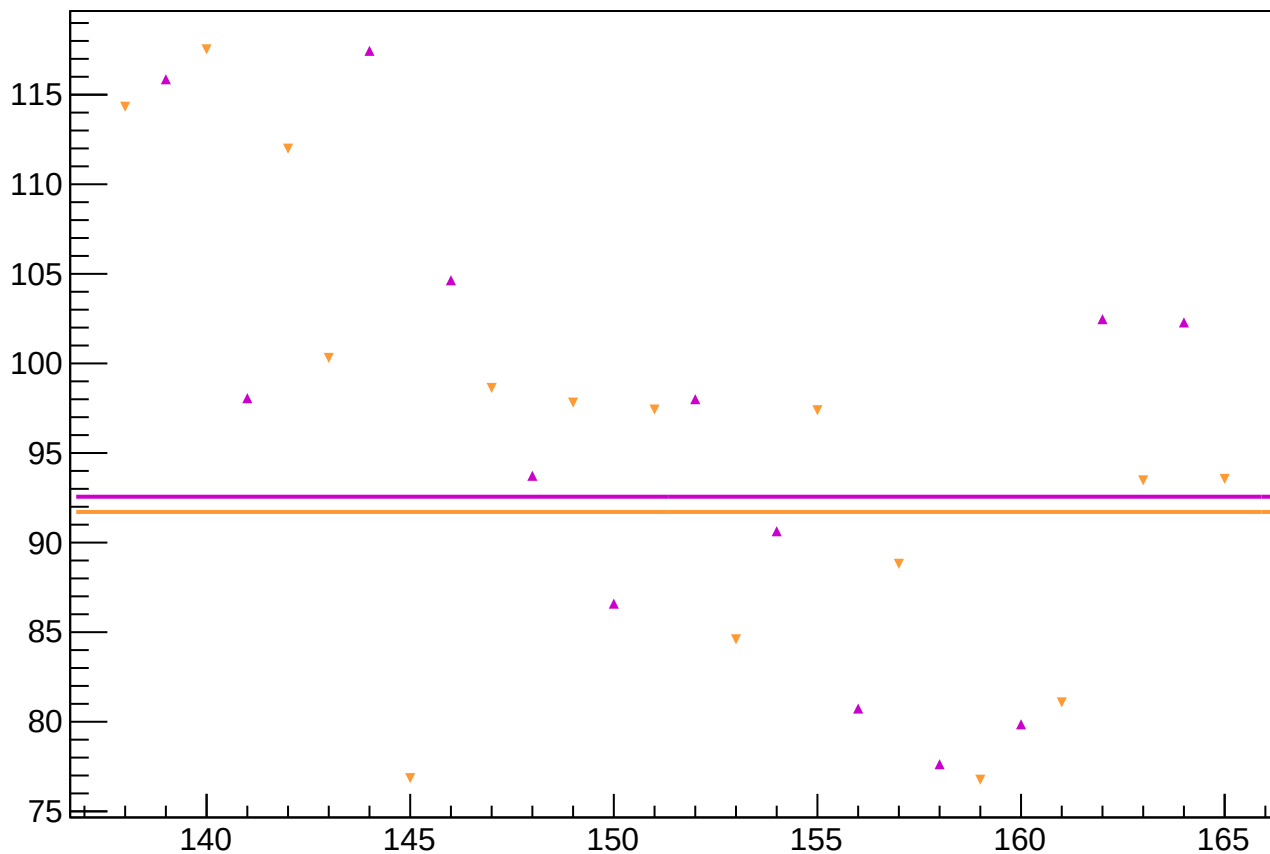
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 70.890 $\pm$ 29.191 χ^2 /NDF:13.4/12

Out: 58.616 $\pm$ 27.979 χ^2 /NDF:25.1/14

All: 64.493 $\pm$ 20.199 χ^2 /NDF: 38.6/27

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.709+/-0.020 χ^2/NDF :350180.7/14

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

Left In: 92.561+/-0.021 χ^2/NDF :333505.8/12

Left: 92.117+/-0.014 χ^2/NDF : 684573.0/27

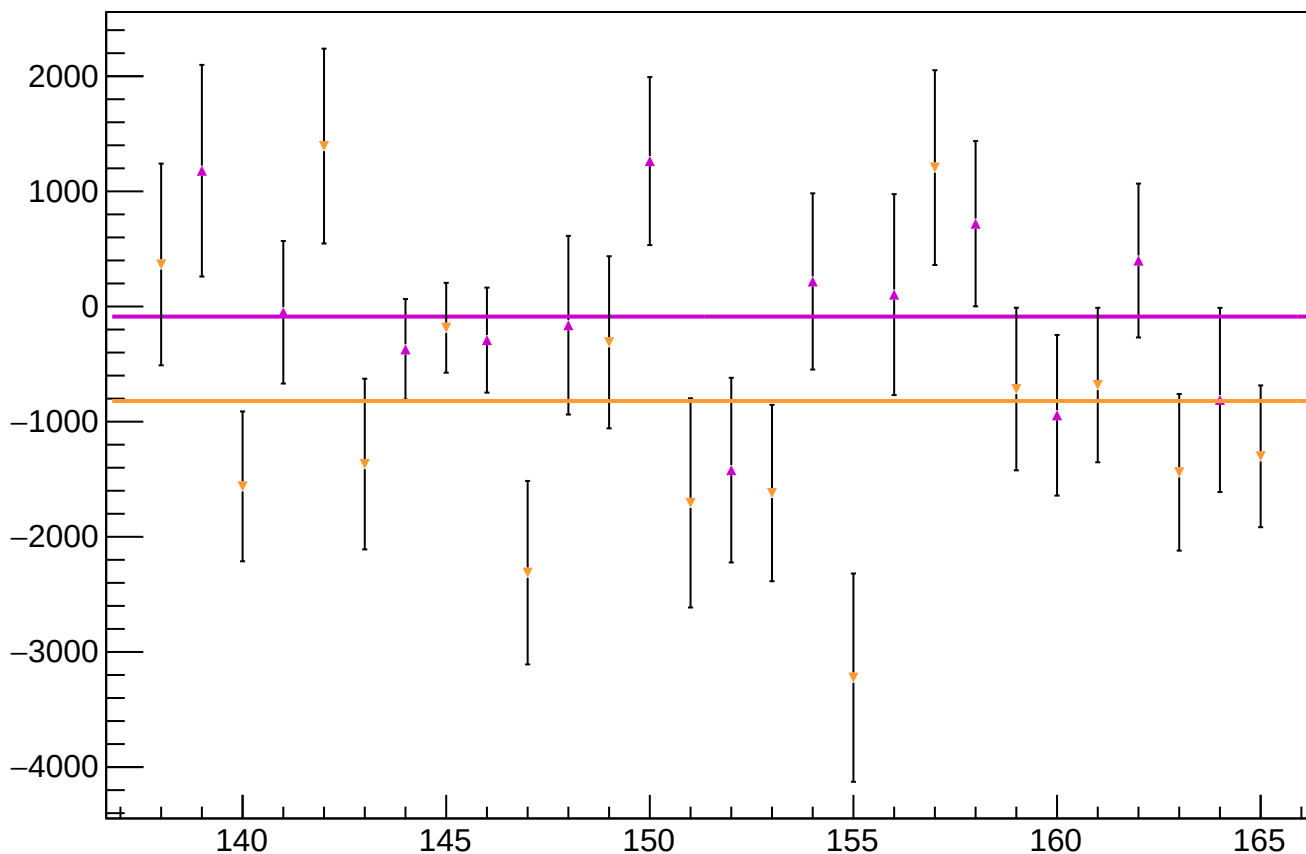
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 92.561+/-0.021 χ^2/NDF :333505.8/12

Out: 91.709+/-0.020 χ^2/NDF :350180.7/14

All: 92.117+/-0.014 χ^2/NDF : 684573.0/27

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -820.317+/-178.503 χ^2/NDF :33.5/14

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

Left In: -87.507+/-183.326 χ^2/NDF :13.1/12

Left: -463.678+/-127.892 χ^2/NDF : 54.8/27

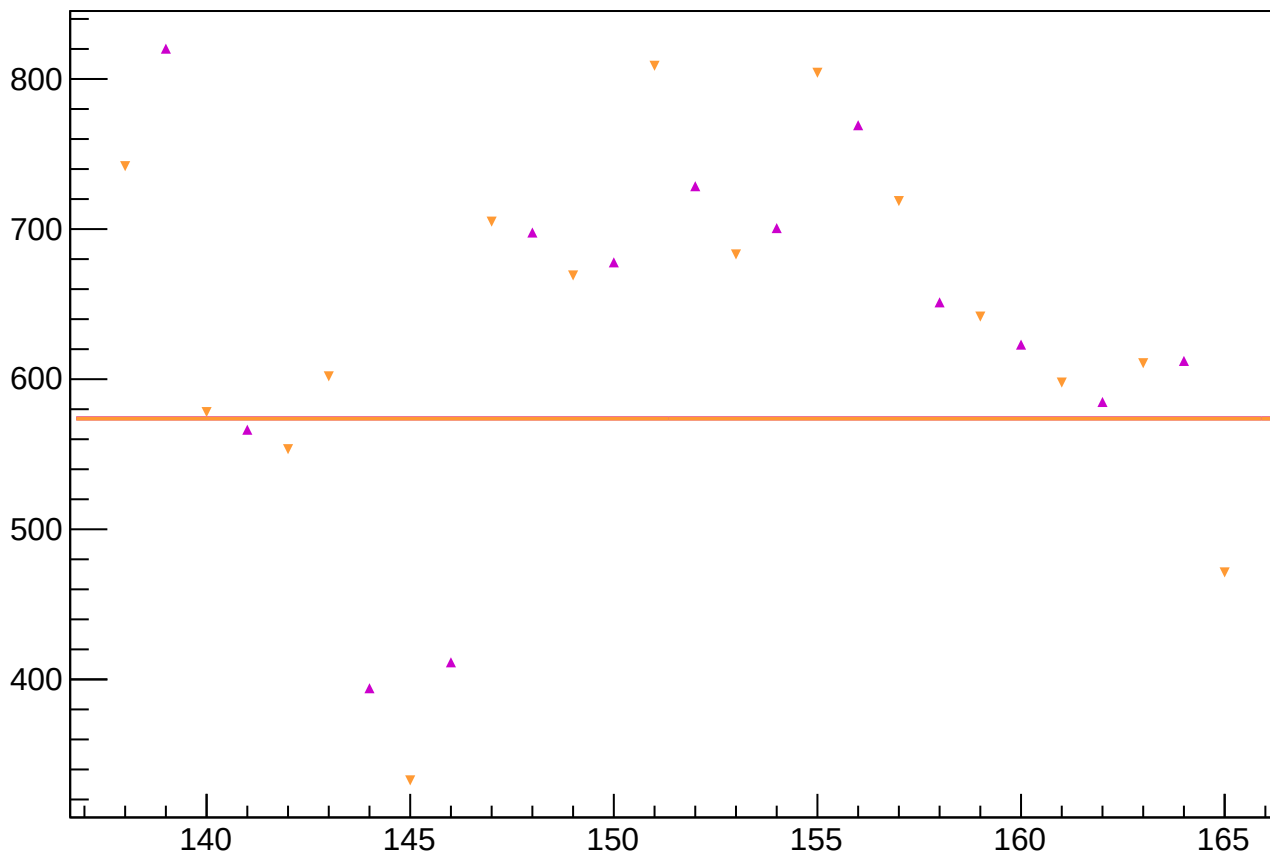
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -87.507+/-183.326 χ^2/NDF :13.1/12

Out: -820.317+/-178.503 χ^2/NDF :33.5/14

All: -463.678+/-127.892 χ^2/NDF : 54.8/27

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 573.760+/-0.126 χ^2/NDF :1373630.1/14

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

Left In: 573.897+/-0.130 χ^2/NDF :1095643.9/12

Left: 573.826+/-0.090 χ^2/NDF : 2469274.6/27

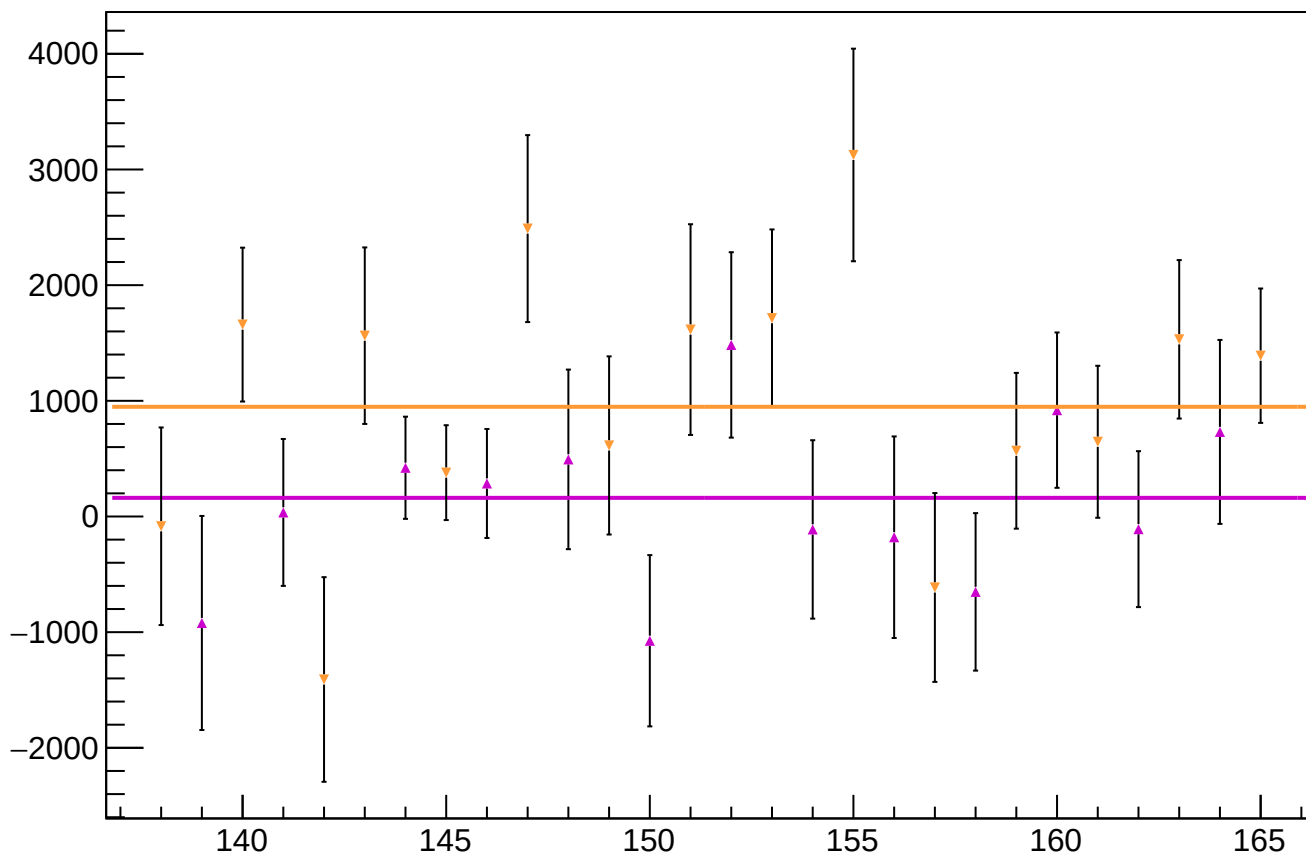
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 573.897+/-0.130 χ^2/NDF :1095643.9/12

Out: 573.760+/-0.126 χ^2/NDF :1373630.1/14

All: 573.826+/-0.090 χ^2/NDF : 2469274.6/27

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 948.276+/-179.611 χ^2/NDF : 28.7/14

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

Left In: 161.199+/-184.195 χ^2/NDF : 11.2/12

Left: 564.652+/-128.594 χ^2/NDF : 49.3/27

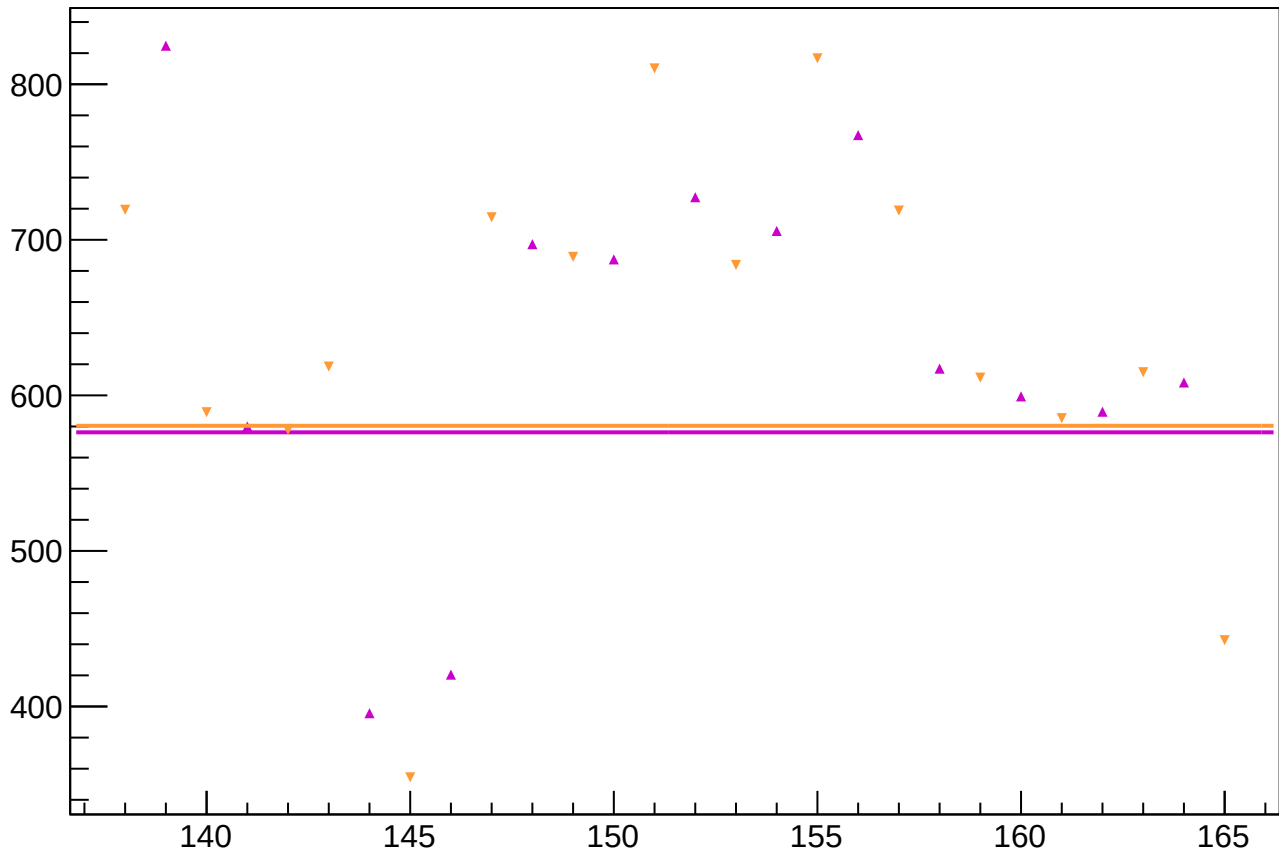
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 161.199+/-184.195 χ^2/NDF : 11.2/12

Out: 948.276+/-179.611 χ^2/NDF : 28.7/14

All: 564.652+/-128.594 χ^2/NDF : 49.3/27

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 580.459+/-0.127 χ^2/NDF :1235787.2/14

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

Left In: 576.241+/-0.130 χ^2/NDF :1028196.8/12

Left: 578.403+/-0.091 χ^2/NDF : 2264521.6/27

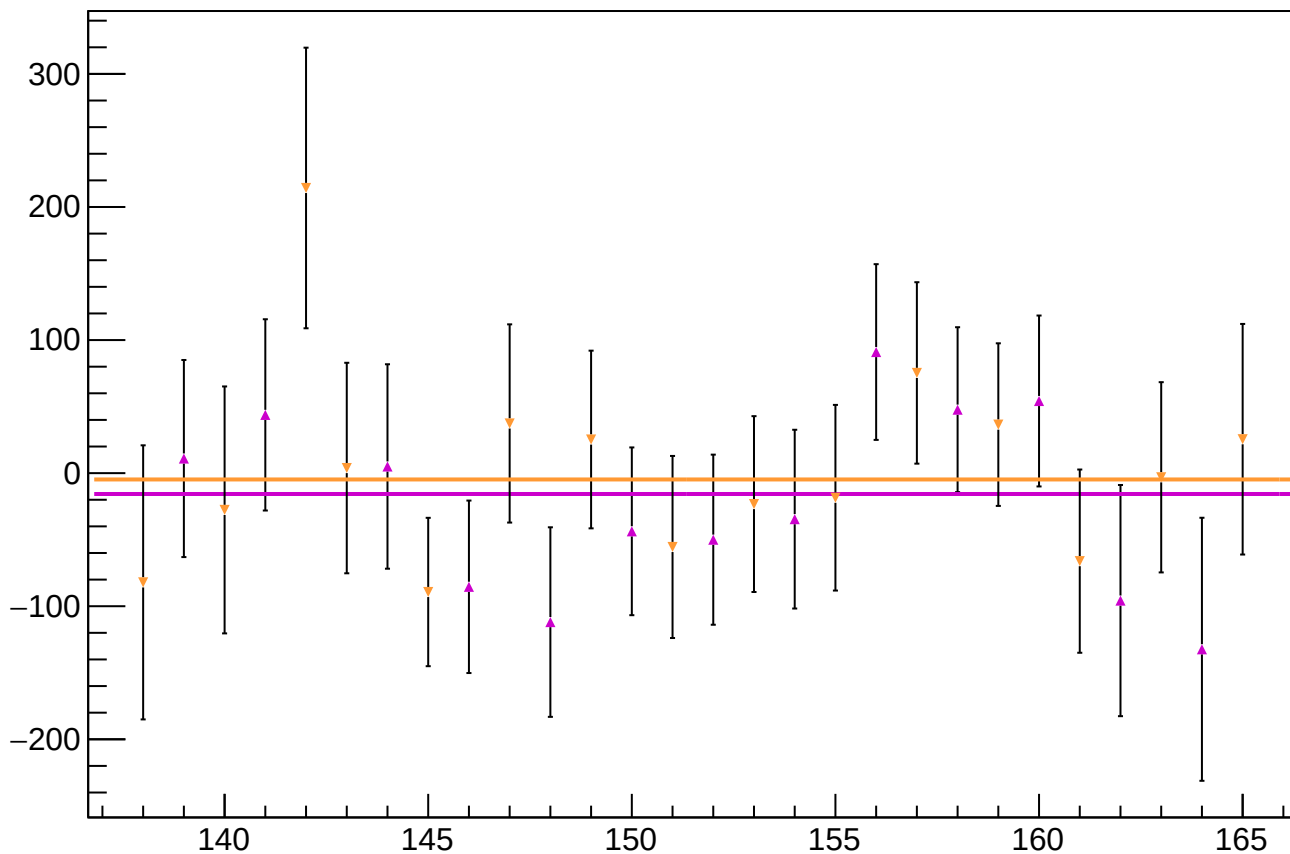
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 576.241+/-0.130 χ^2/NDF :1028196.8/12

Out: 580.459+/-0.127 χ^2/NDF :1235787.2/14

All: 578.403+/-0.091 χ^2/NDF : 2264521.6/27

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: -4.748+/-18.706 χ^2/NDF :11.2/14

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

Left In: -15.670+/-19.366 χ^2/NDF :11.5/12

Left: -10.020+/-13.455 χ^2/NDF : 22.9/27

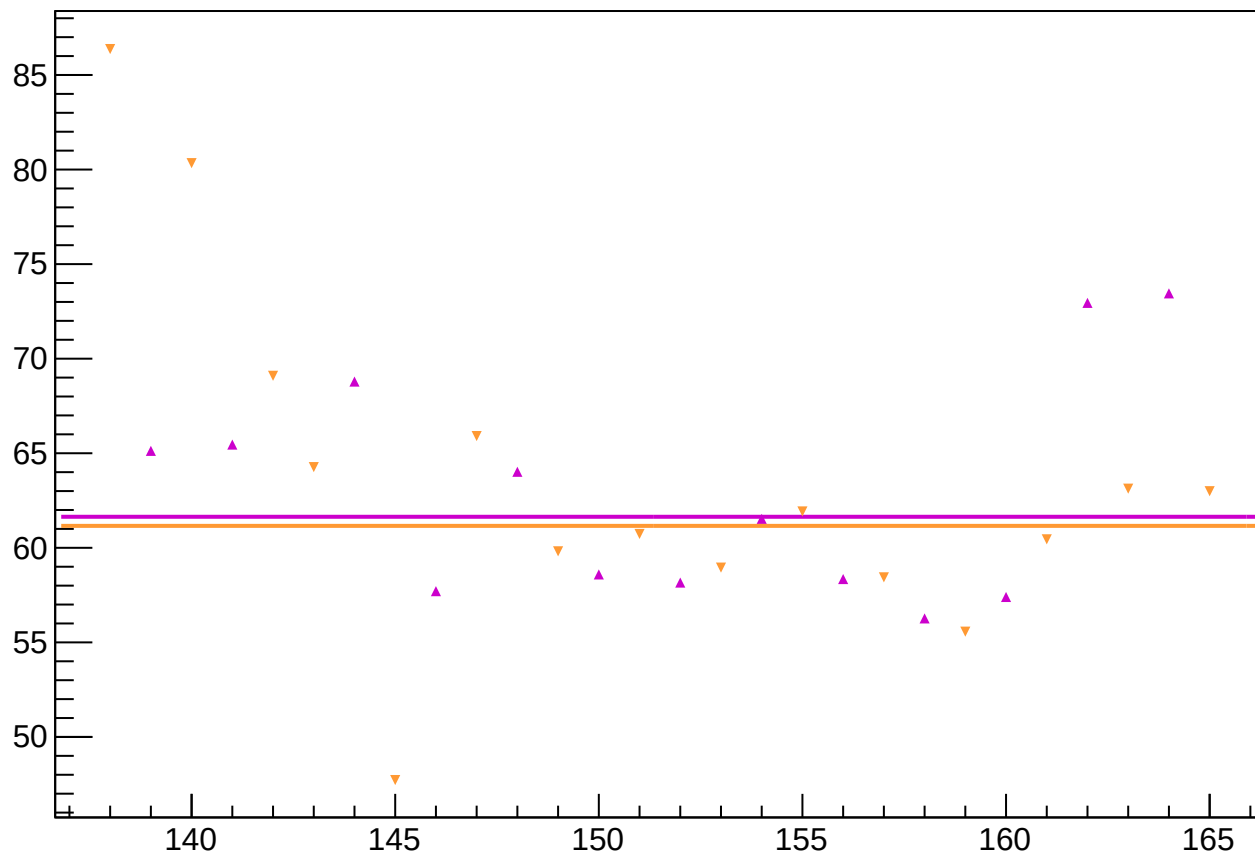
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.670+/-19.366 χ^2/NDF :11.5/12

Out: -4.748+/-18.706 χ^2/NDF :11.2/14

All: -10.020+/-13.455 χ^2/NDF : 22.9/27

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: 61.160+/-0.013 χ^2/NDF :370023.9/14

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

Left In: 61.641+/-0.014 χ^2/NDF :138822.7/12

Left: 61.392+/-0.010 χ^2/NDF : 509485.0/27

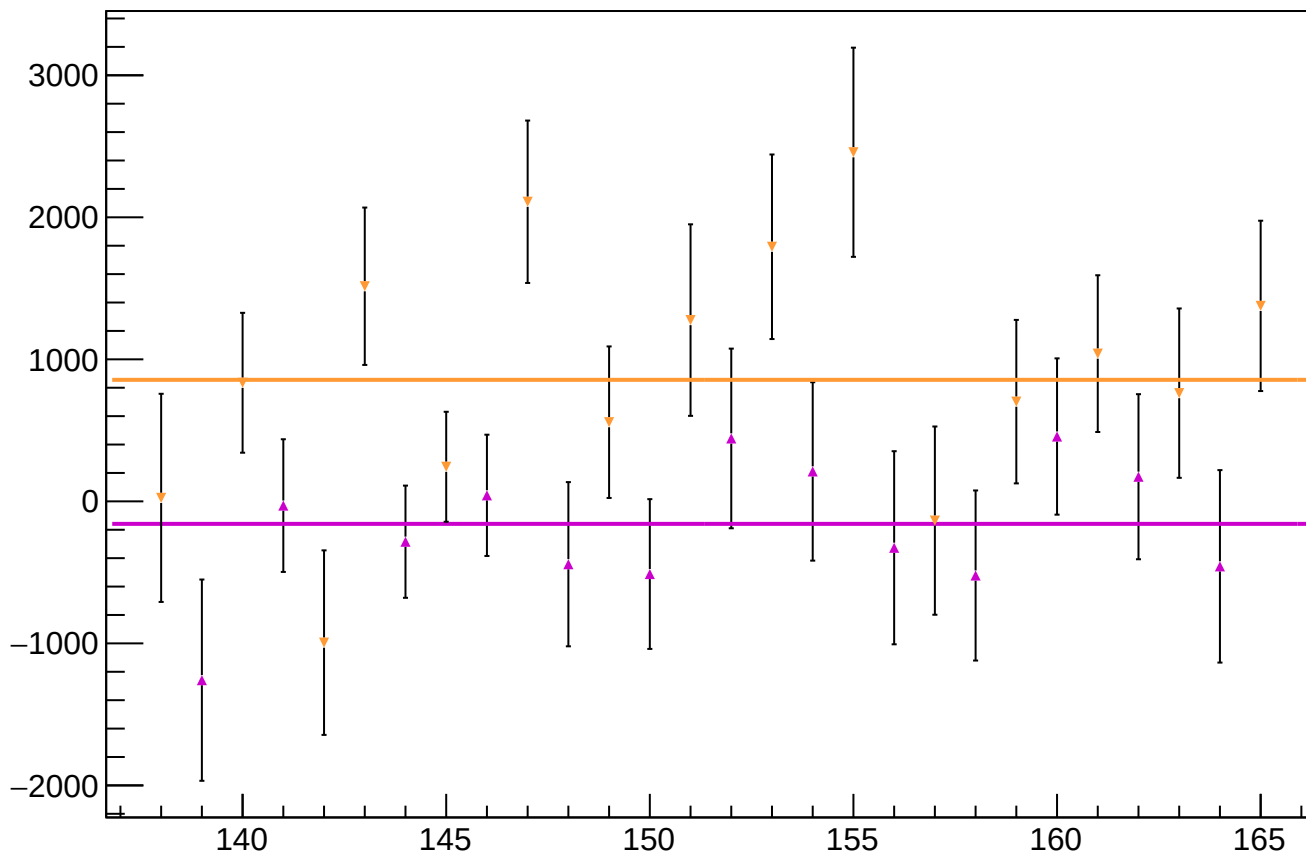
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 61.641+/-0.014 χ^2/NDF :138822.7/12

Out: 61.160+/-0.013 χ^2/NDF :370023.9/14

All: 61.392+/-0.010 χ^2/NDF : 509485.0/27

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: 855.703+/-148.346 χ^2/NDF : 28.8/14

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

Left In: -158.522+/-151.641 χ^2/NDF : 7.0/12

Left: 359.729+/-106.042 χ^2/NDF : 58.6/27

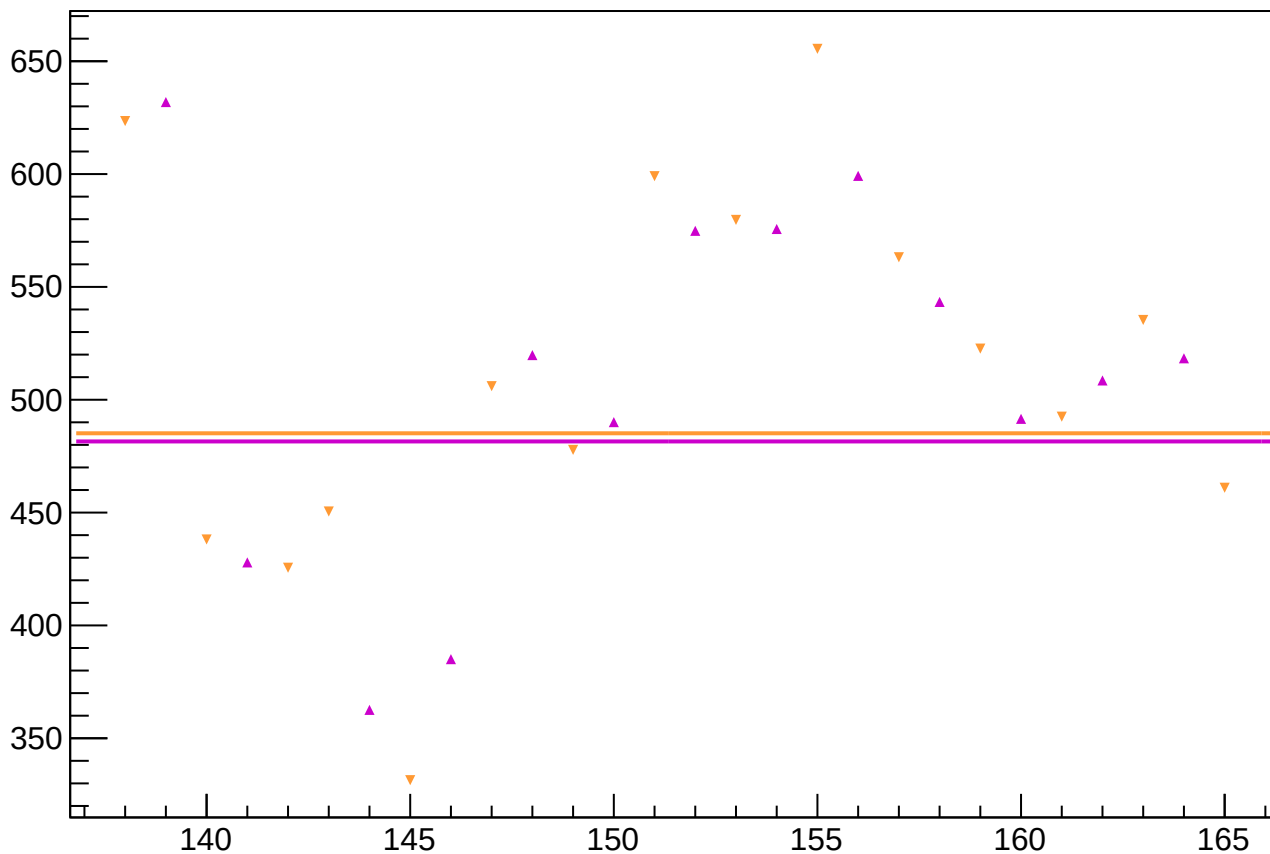
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -158.522+/-151.641 χ^2/NDF : 7.0/12

Out: 855.703+/-148.346 χ^2/NDF : 28.8/14

All: 359.729+/-106.042 χ^2/NDF : 58.6/27

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 485.140+/-0.105 χ^2/NDF : 692872.8/14

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

Left In: 481.524+/-0.107 χ^2/NDF : 589763.5/12

Left: 483.372+/-0.075 χ^2/NDF : 1283217.3/27

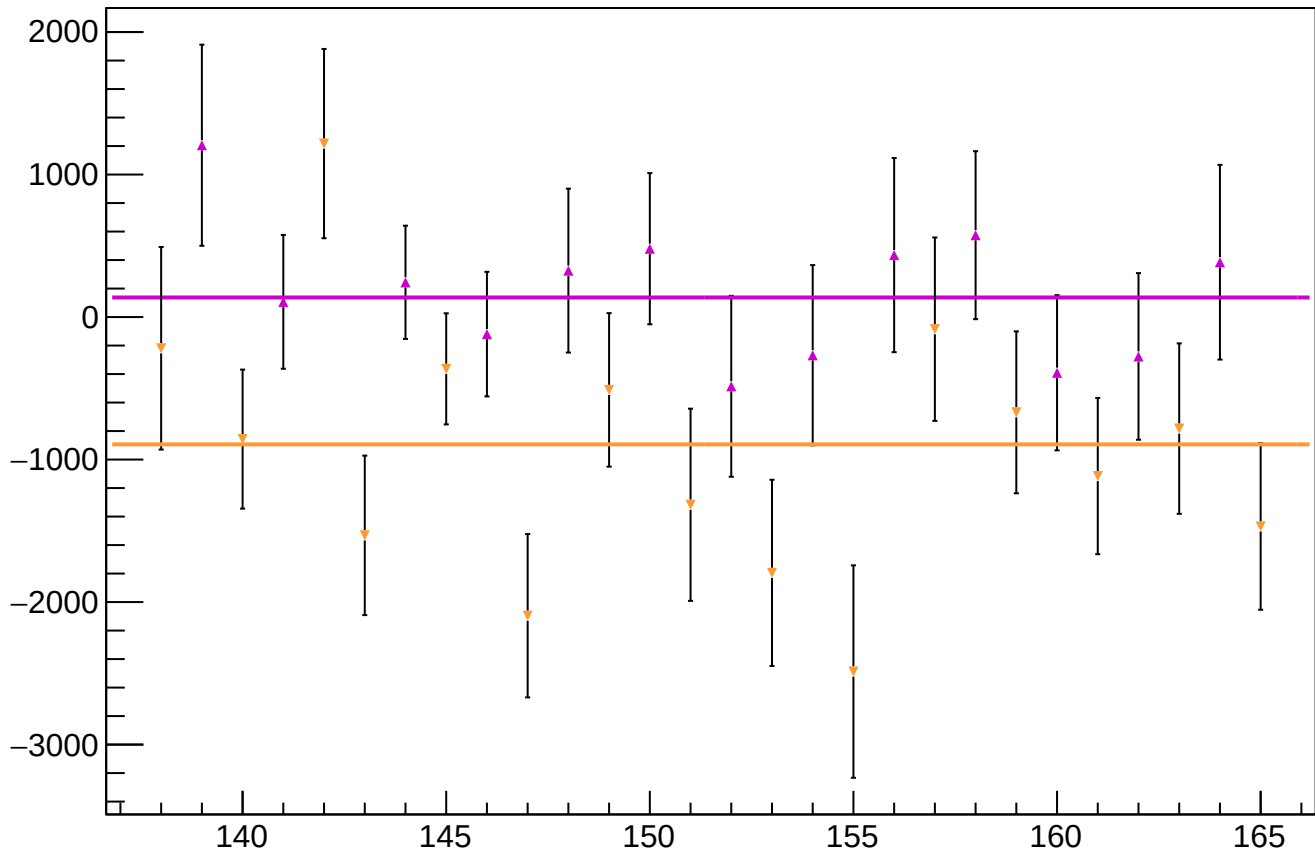
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 481.524+/-0.107 χ^2/NDF : 589763.5/12

Out: 485.140+/-0.105 χ^2/NDF : 692872.8/14

All: 483.372+/-0.075 χ^2/NDF : 1283217.3/27

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -893.396+/-148.059 χ^2/NDF :28.8/14

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

Left In: 137.351+/-152.240 χ^2/NDF :6.9/12

Left: -392.372+/-106.141 χ^2/NDF : 59.3/27

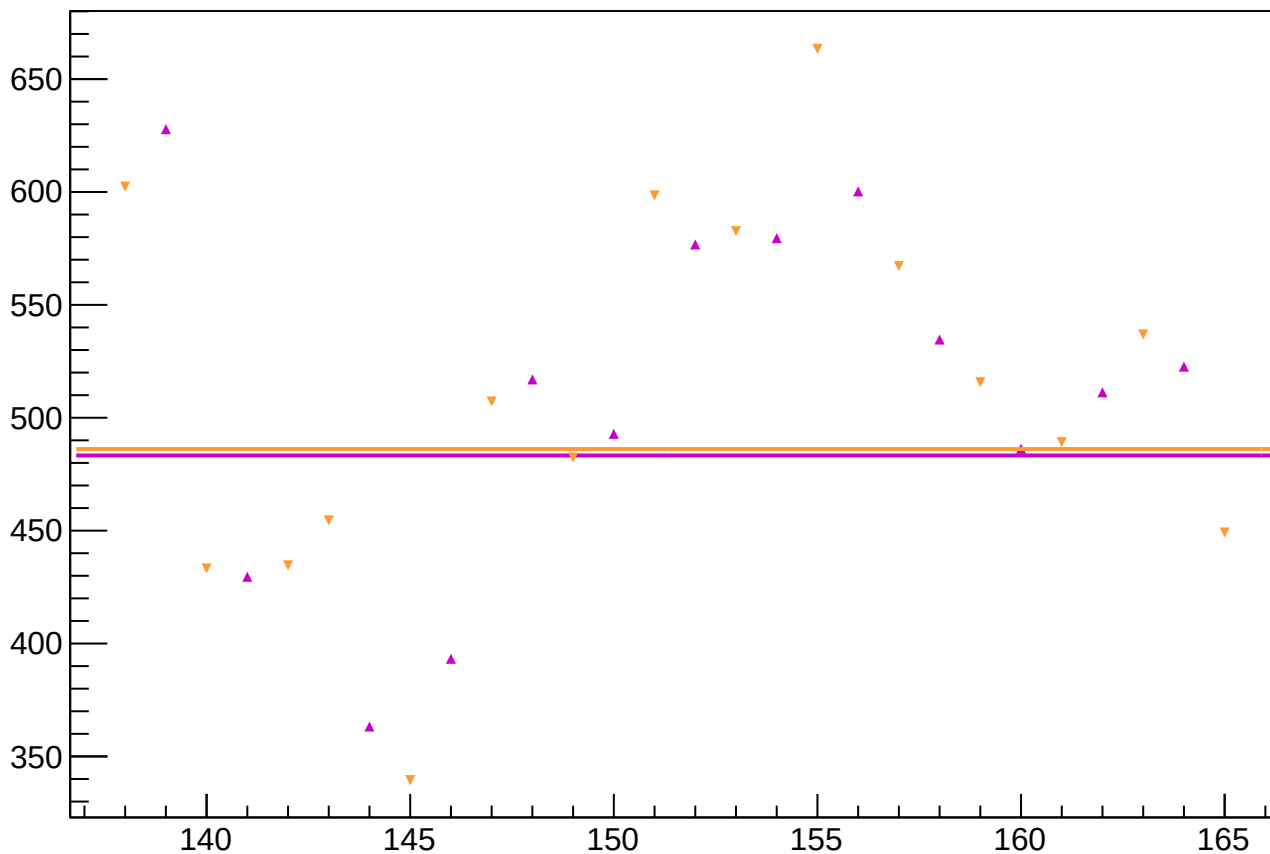
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 137.351+/-152.240 χ^2/NDF :6.9/12

Out: -893.396+/-148.059 χ^2/NDF :28.8/14

All: -392.372+/-106.141 χ^2/NDF : 59.3/27

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 486.137+/-0.105 χ^2/NDF : 653057.8/14

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

Left In: 483.290+/-0.108 χ^2/NDF : 560184.5/12

Left: 484.753+/-0.075 χ^2/NDF : 1213601.7/27

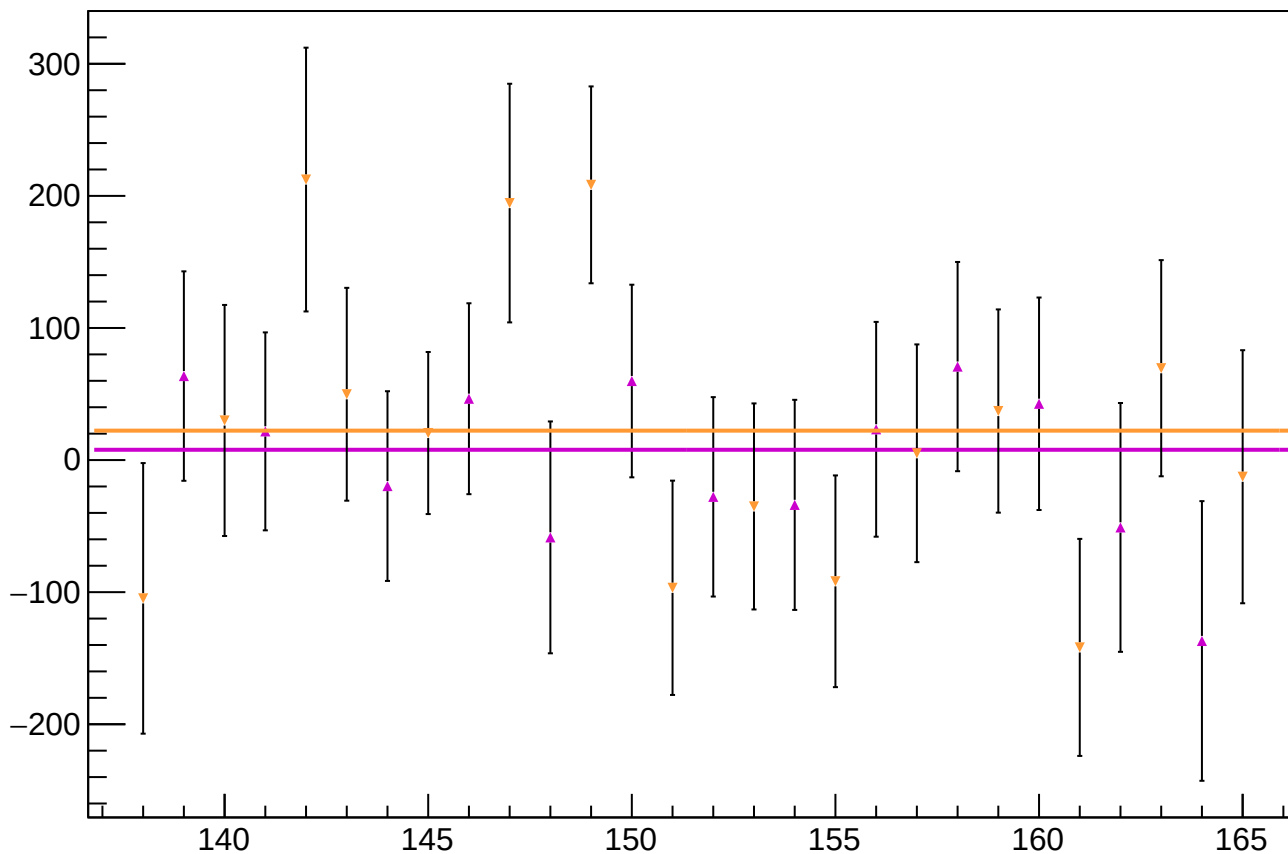
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 483.290+/-0.108 χ^2/NDF : 560184.5/12

Out: 486.137+/-0.105 χ^2/NDF : 653057.8/14

All: 484.753+/-0.075 χ^2/NDF : 1213601.7/27

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: 22.284 $\pm$ 21.114 χ^2 /NDF:24.4/14

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

Left In: 7.791 $\pm$ 22.133 χ^2 /NDF:5.7/12

Left: 15.379 $\pm$ 15.277 χ^2 /NDF: 30.3/27

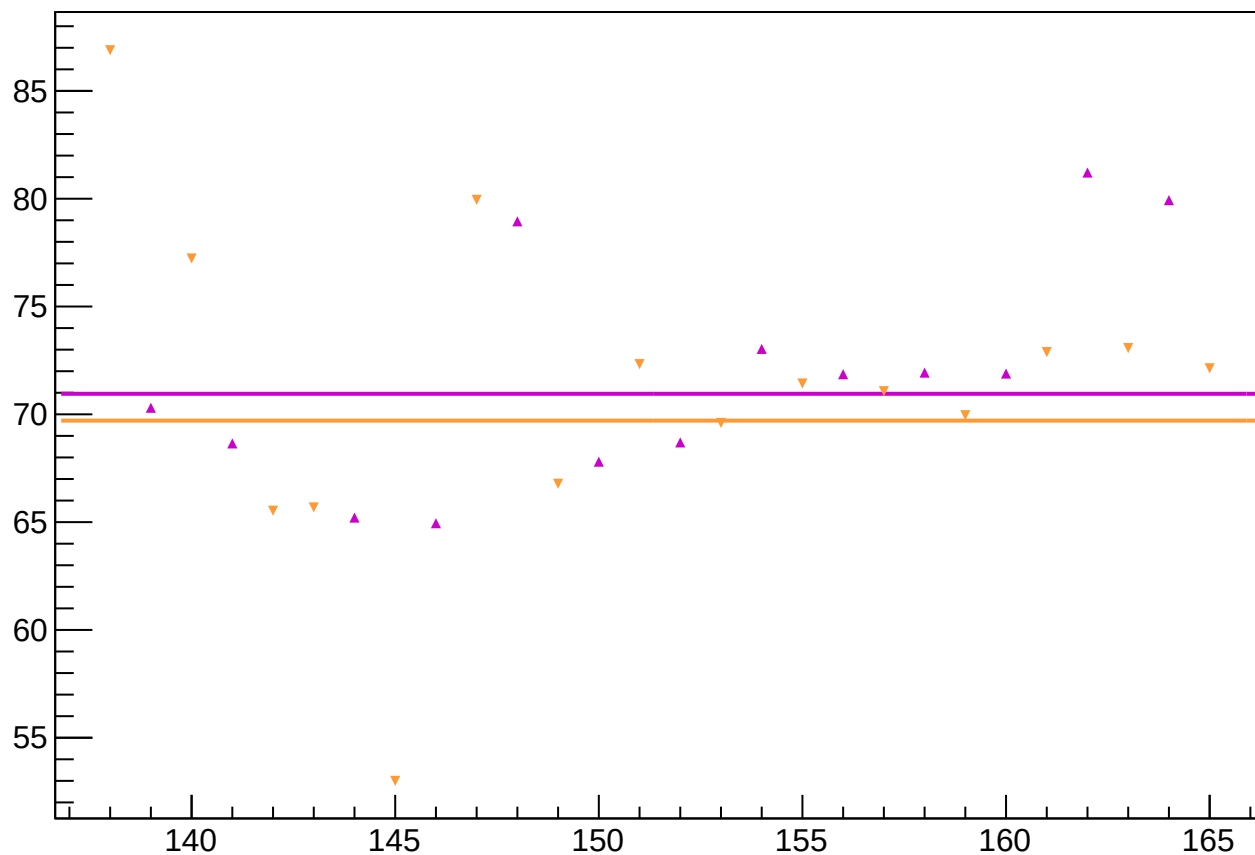
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 7.791 $\pm$ 22.133 χ^2 /NDF:5.7/12

Out: 22.284 $\pm$ 21.114 χ^2 /NDF:24.4/14

All: 15.379 $\pm$ 15.277 χ^2 /NDF: 30.3/27

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 69.708+/-0.015 χ^2/NDF :267882.1/14

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

Left In: 70.953+/-0.016 χ^2/NDF :91067.7/12

Left: 70.301+/-0.011 χ^2/NDF : 362266.0/27

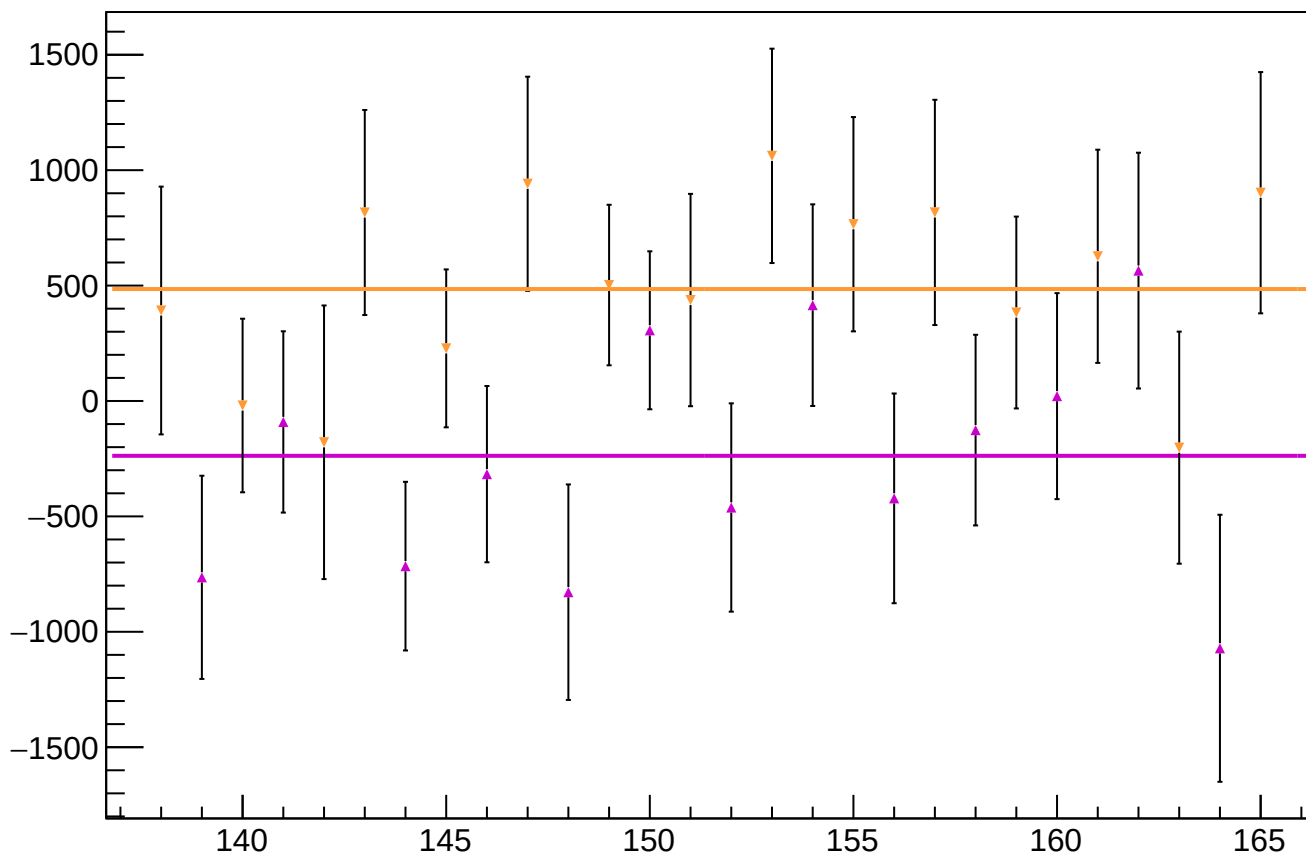
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 70.953+/-0.016 χ^2/NDF :91067.7/12

Out: 69.708+/-0.015 χ^2/NDF :267882.1/14

All: 70.301+/-0.011 χ^2/NDF : 362266.0/27

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: 485.013+/-114.547 χ^2/NDF :10.2/14

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

Left In: -237.512+/-118.004 χ^2/NDF :15.0/12

Left: 134.490+/-82.192 χ^2/NDF : 44.6/27

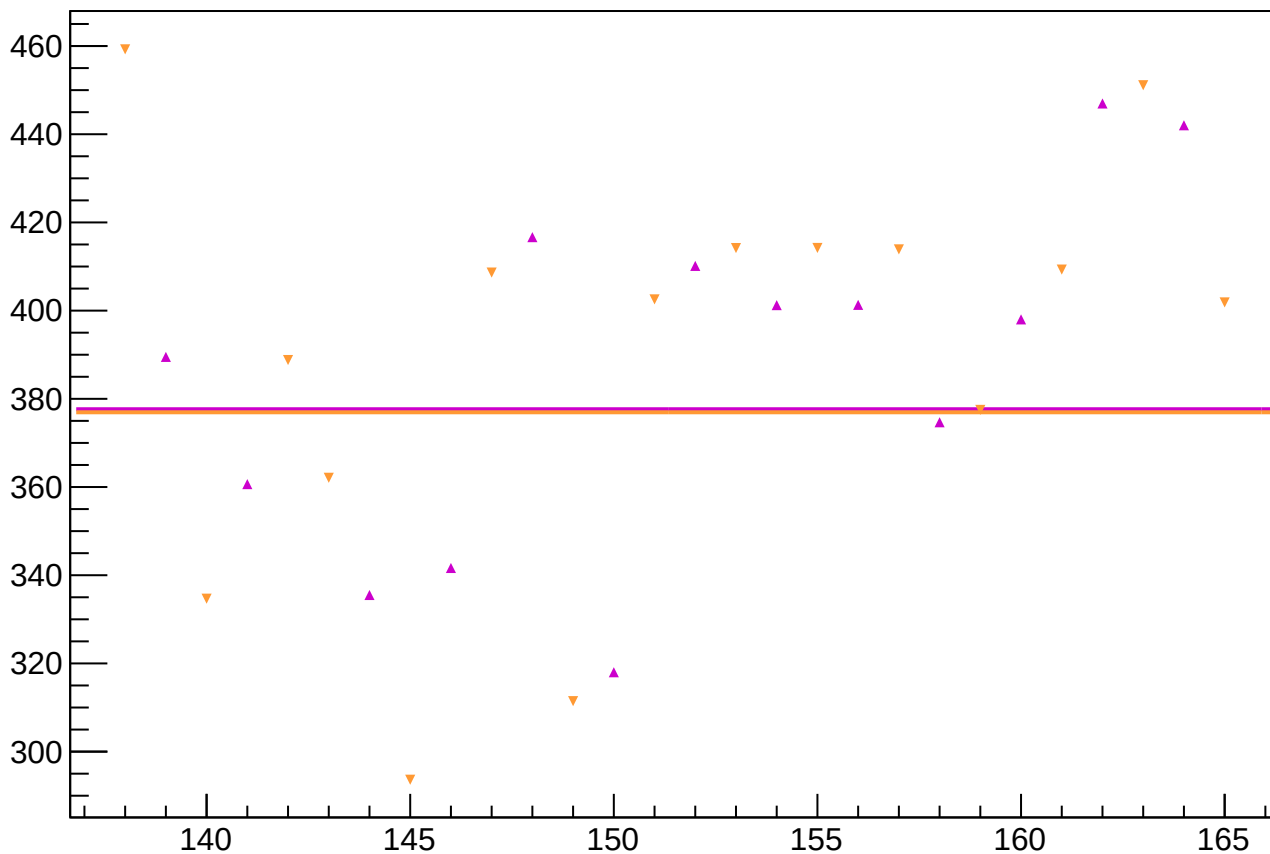
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -237.512+/-118.004 χ^2/NDF :15.0/12

Out: 485.013+/-114.547 χ^2/NDF :10.2/14

All: 134.490+/-82.192 χ^2/NDF : 44.6/27

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: 376.949+/-0.081 χ^2/NDF :375549.3/14

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

Left In: 377.638+/-0.083 χ^2/NDF :211782.9/12

Left: 377.284+/-0.058 χ^2/NDF : 587367.3/27

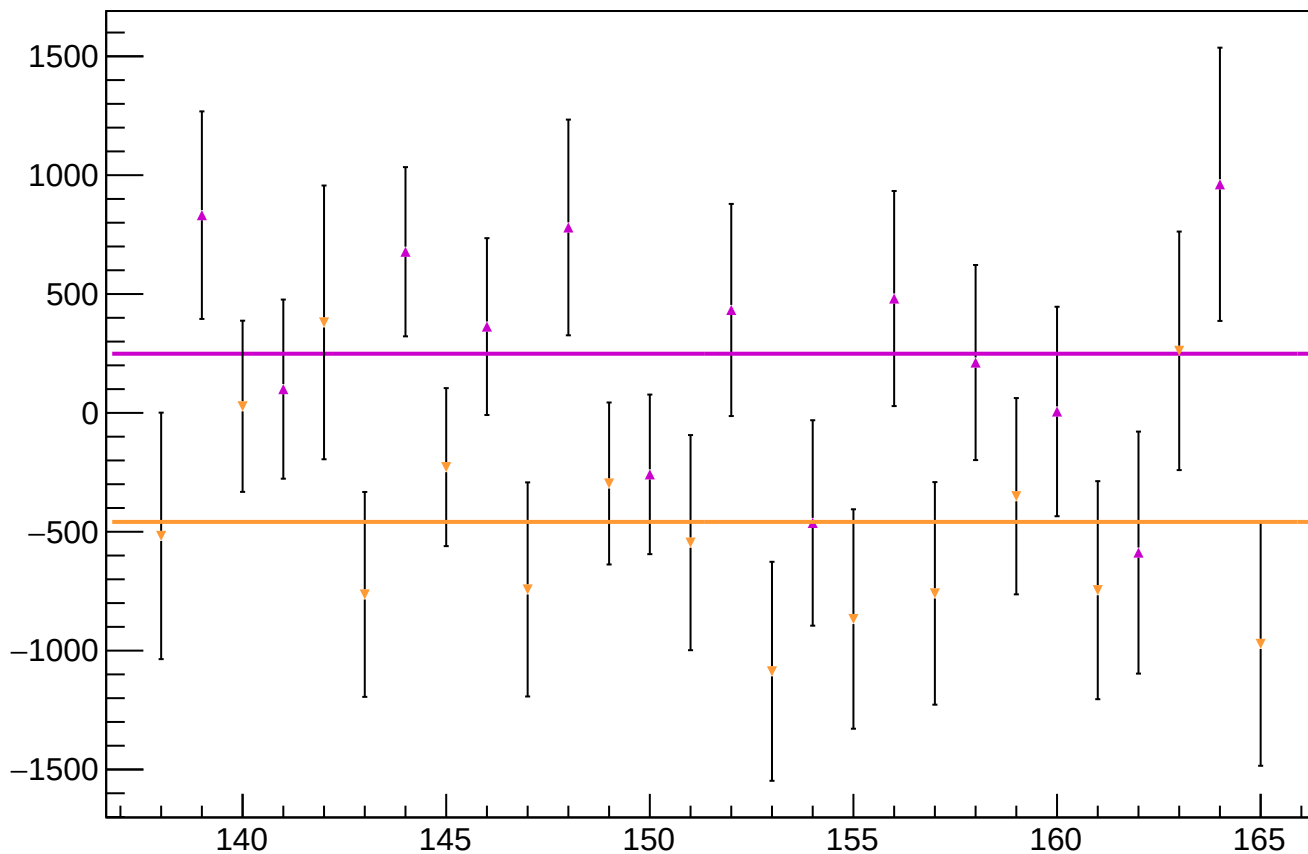
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 377.638+/-0.083 χ^2/NDF :211782.9/12

Out: 376.949+/-0.081 χ^2/NDF :375549.3/14

All: 377.284+/-0.058 χ^2/NDF : 587367.3/27

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -458.536+/-112.020 χ^2/NDF :12.2/14

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

Left In: 248.921+/-115.942 χ^2/NDF :14.8/12

Left: -116.976+/-80.561 χ^2/NDF : 46.3/27

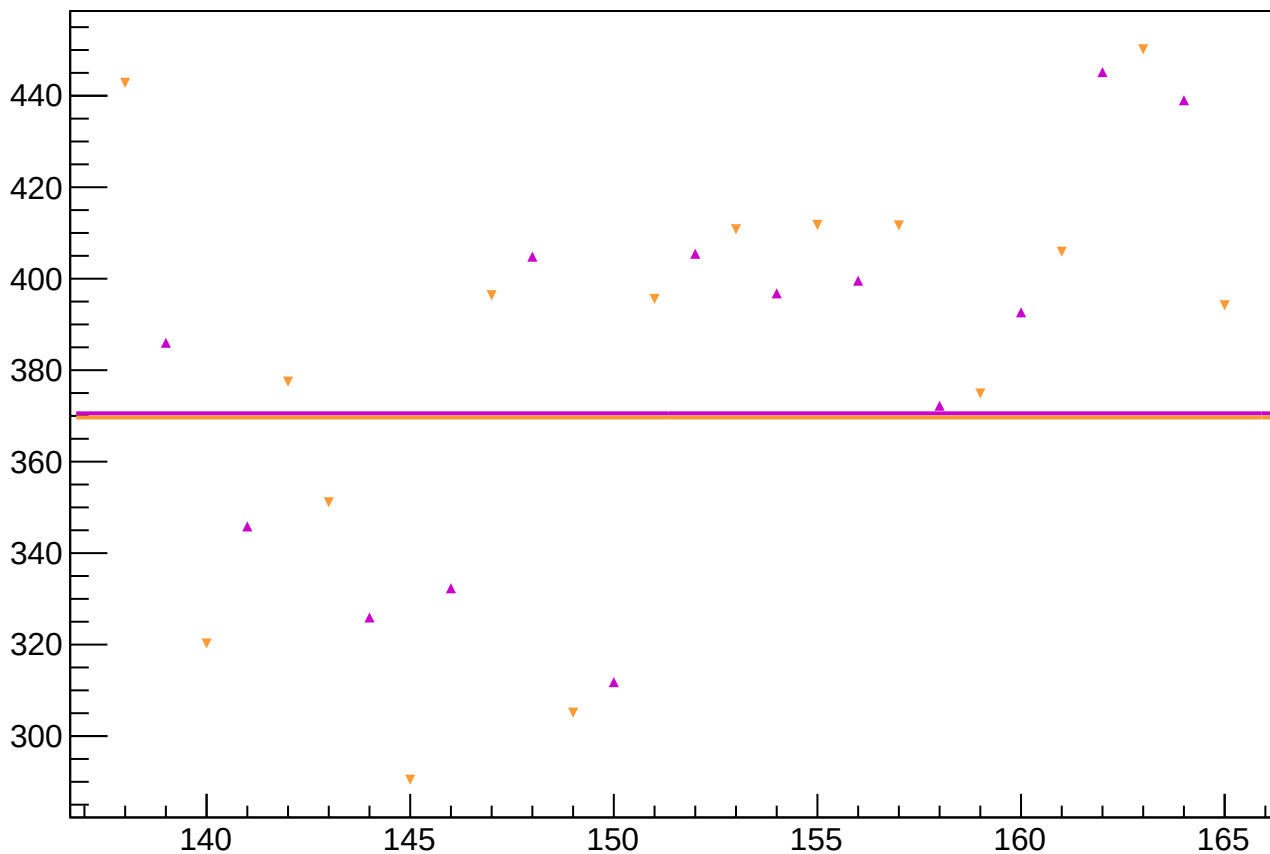
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 248.921+/-115.942 χ^2/NDF :14.8/12

Out: -458.536+/-112.020 χ^2/NDF :12.2/14

All: -116.976+/-80.561 χ^2/NDF : 46.3/27

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 369.652+/-0.079 χ^2/NDF :398120.0/14

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

Left In: 370.560+/-0.082 χ^2/NDF :240625.3/12

Left: 370.091+/-0.057 χ^2/NDF : 638808.7/27

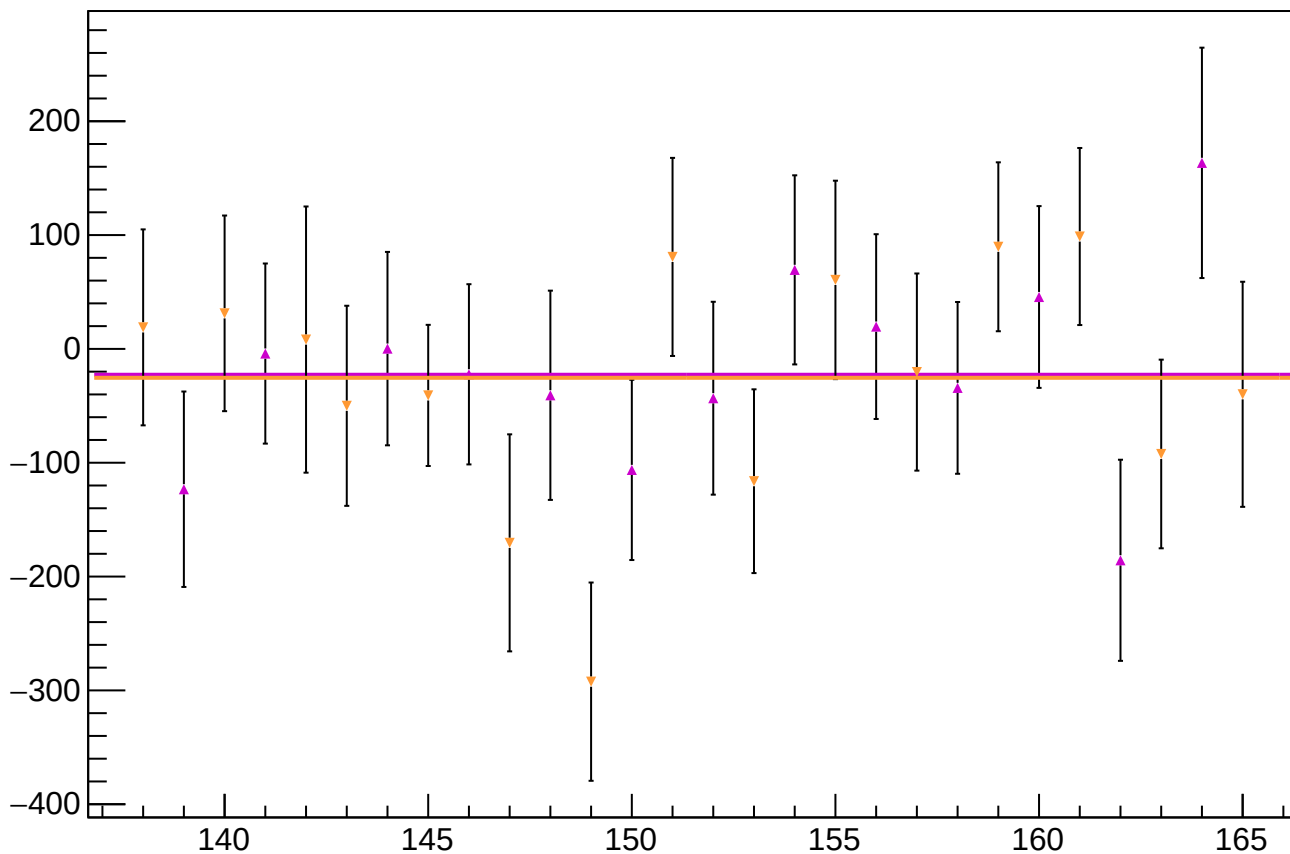
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 370.560+/-0.082 χ^2/NDF :240625.3/12

Out: 369.652+/-0.079 χ^2/NDF :398120.0/14

All: 370.091+/-0.057 χ^2/NDF : 638808.7/27

dit_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: -25.382 ± 21.716 $\chi^2/\text{NDF}: 22.0/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -22.718 ± 23.150 $\chi^2/\text{NDF}: 11.8/12$

Left: -24.135 ± 15.839 $\chi^2/\text{NDF}: 33.8/27$

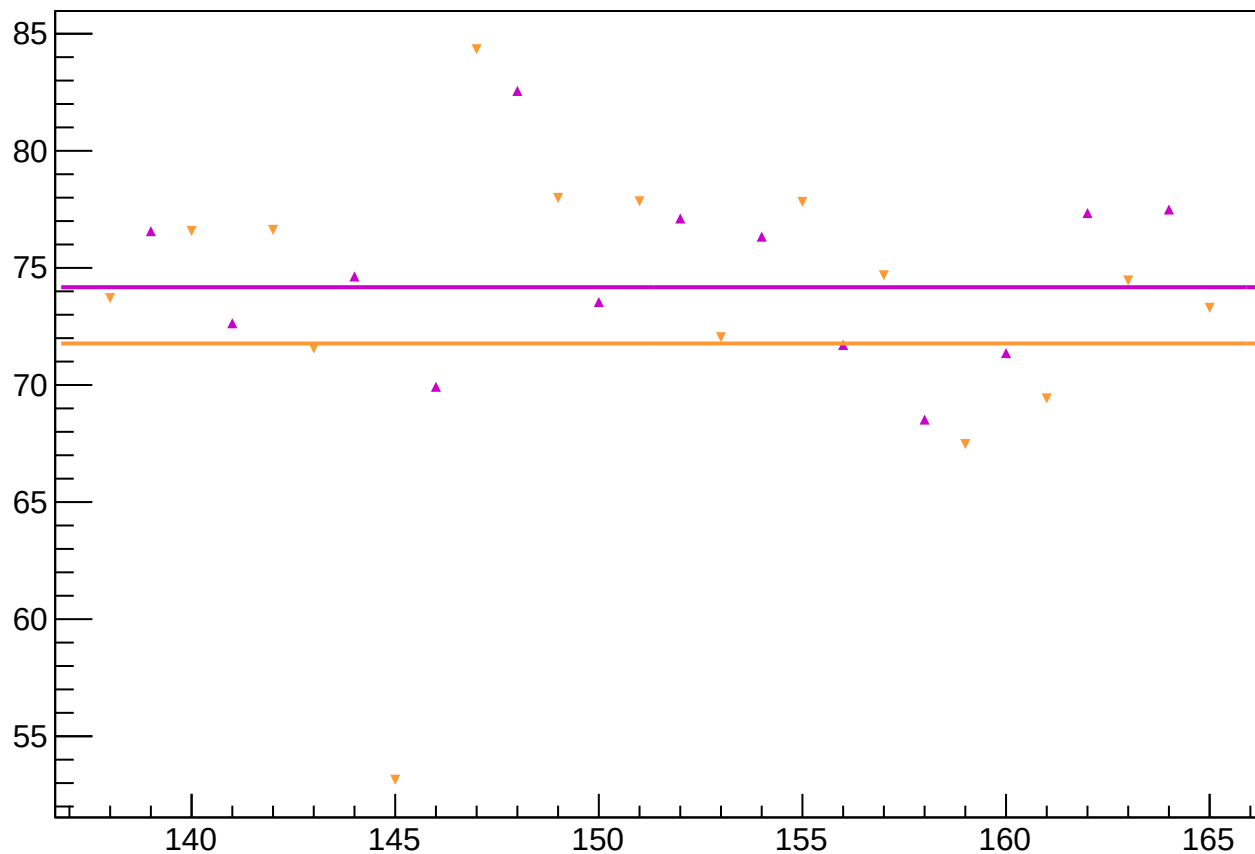
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -22.718 ± 23.150 $\chi^2/\text{NDF}: 11.8/12$

Out: -25.382 ± 21.716 $\chi^2/\text{NDF}: 22.0/14$

All: -24.135 ± 15.839 $\chi^2/\text{NDF}: 33.8/27$

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 71.773+/-0.015 χ^2/NDF :268983.4/14

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

Left In: 74.176+/-0.016 χ^2/NDF :48929.8/12

Left: 72.898+/-0.011 χ^2/NDF : 329373.7/27

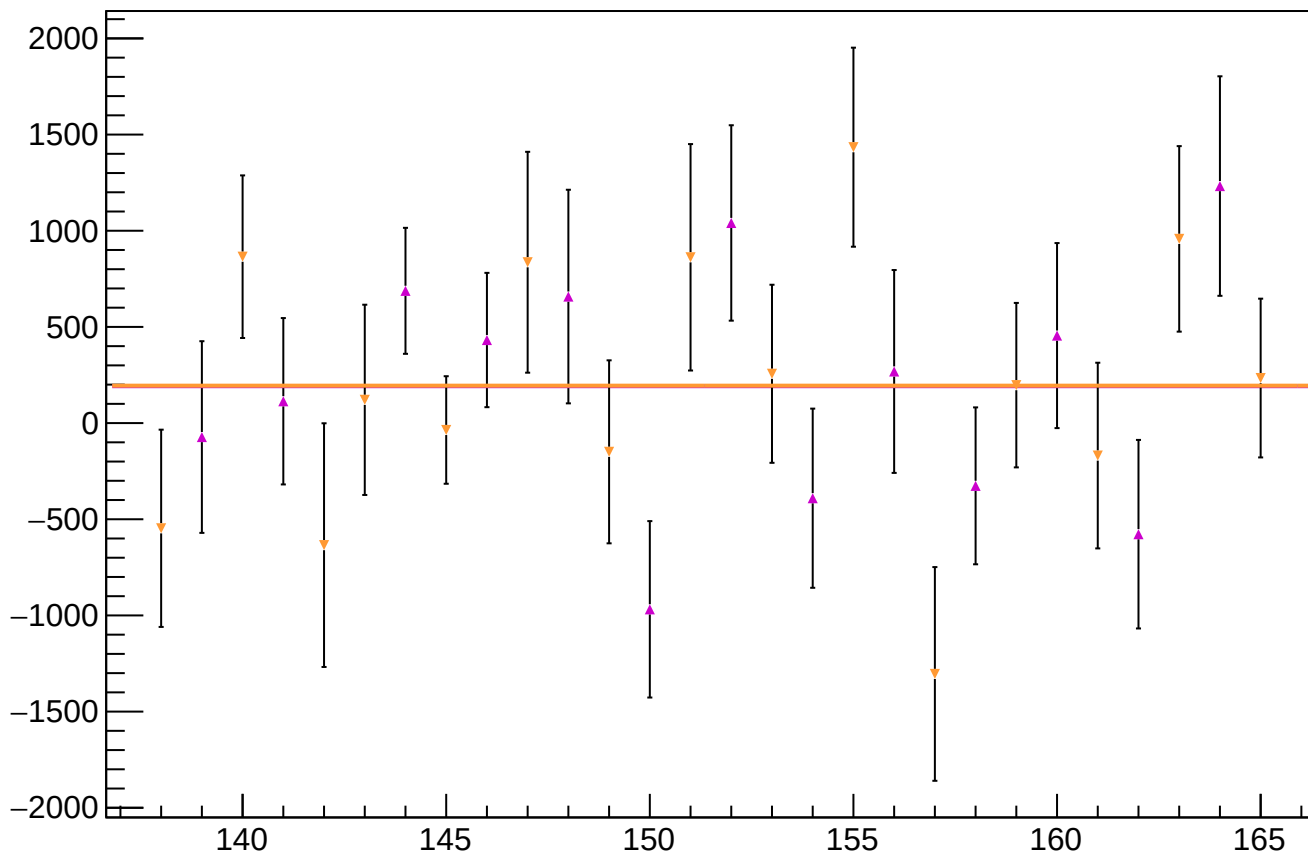
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 74.176+/-0.016 χ^2/NDF :48929.8/12

Out: 71.773+/-0.015 χ^2/NDF :268983.4/14

All: 72.898+/-0.011 χ^2/NDF : 329373.7/27

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 194.570+/-118.938 χ^2/NDF :26.2/14

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

Left In: 191.779+/-124.475 χ^2/NDF :22.3/12

Left: 193.238+/-85.993 χ^2/NDF : 48.5/27

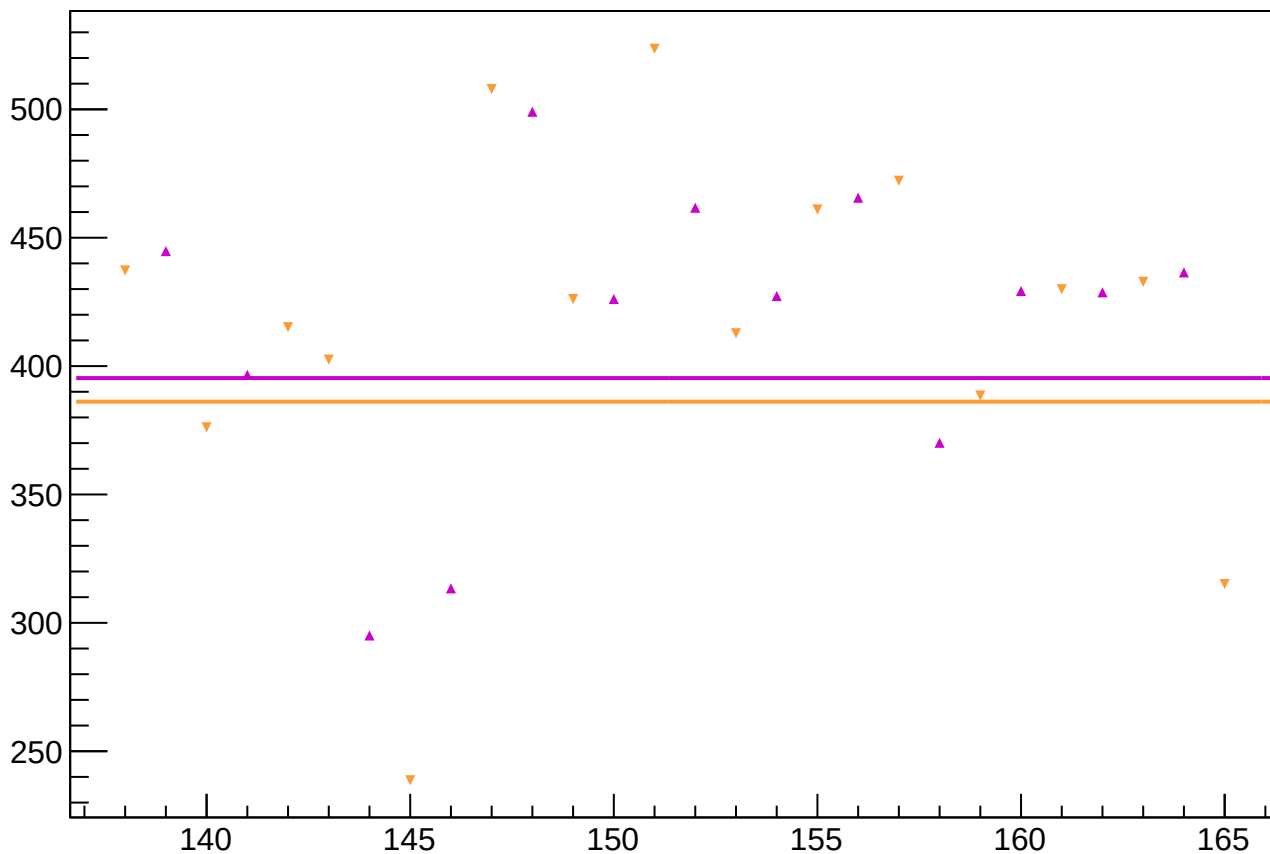
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 191.779+/-124.475 χ^2/NDF :22.3/12

Out: 194.570+/-118.938 χ^2/NDF :26.2/14

All: 193.238+/-85.993 χ^2/NDF : 48.5/27

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 386.153 $\pm$ 0.084 χ^2/NDF :987992.2/14

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

Left In: 395.337 $\pm$ 0.088 χ^2/NDF :512272.3/12

Left: 390.536 $\pm$ 0.061 χ^2/NDF : 1505955.3/27

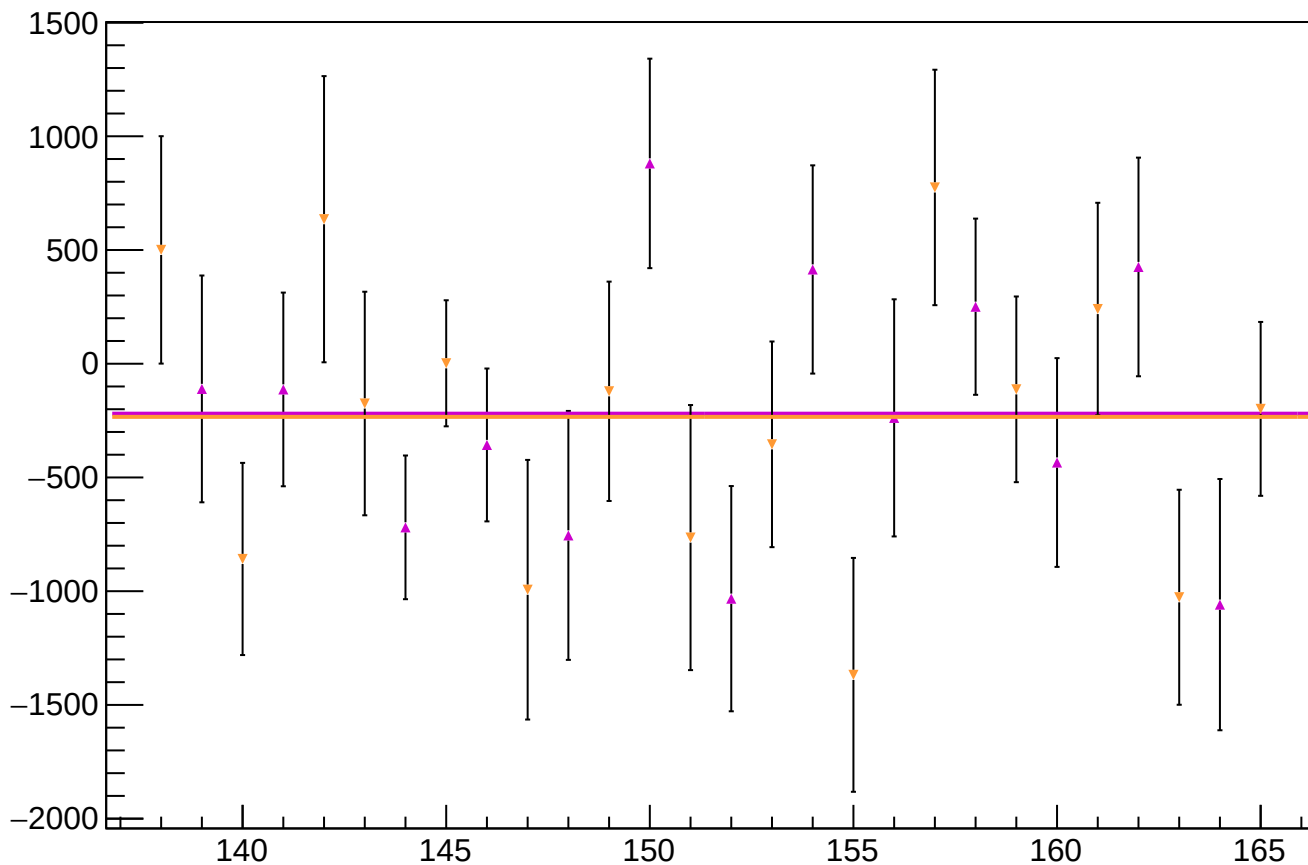
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 395.337 $\pm$ 0.088 χ^2/NDF :512272.3/12

Out: 386.153 $\pm$ 0.084 χ^2/NDF :987992.2/14

All: 390.536 $\pm$ 0.061 χ^2/NDF : 1505955.3/27

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -233.573+/-116.303 χ^2/NDF :22.3/14

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

Left In: -219.619+/-121.244 χ^2/NDF :19.9/12

Left: -226.886+/-83.931 χ^2/NDF : 42.2/27

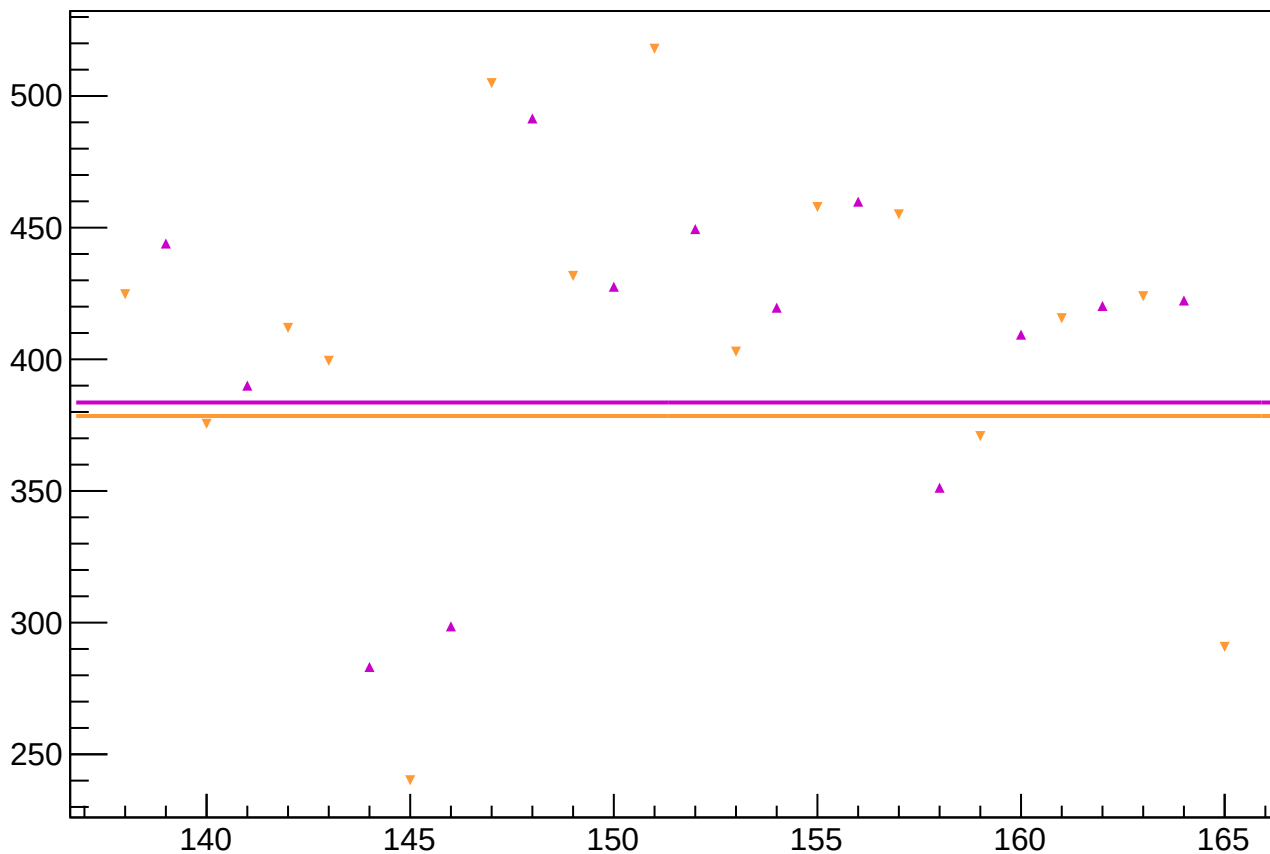
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -219.619+/-121.244 χ^2/NDF :19.9/12

Out: -233.573+/-116.303 χ^2/NDF :22.3/14

All: -226.886+/-83.931 χ^2/NDF : 42.2/27

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 378.469+/-0.082 χ^2/NDF : 996358.2/14

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

Left In: 383.602+/-0.086 χ^2/NDF : 588310.2/12

Left: 380.929+/-0.059 χ^2/NDF : 1586534.9/27

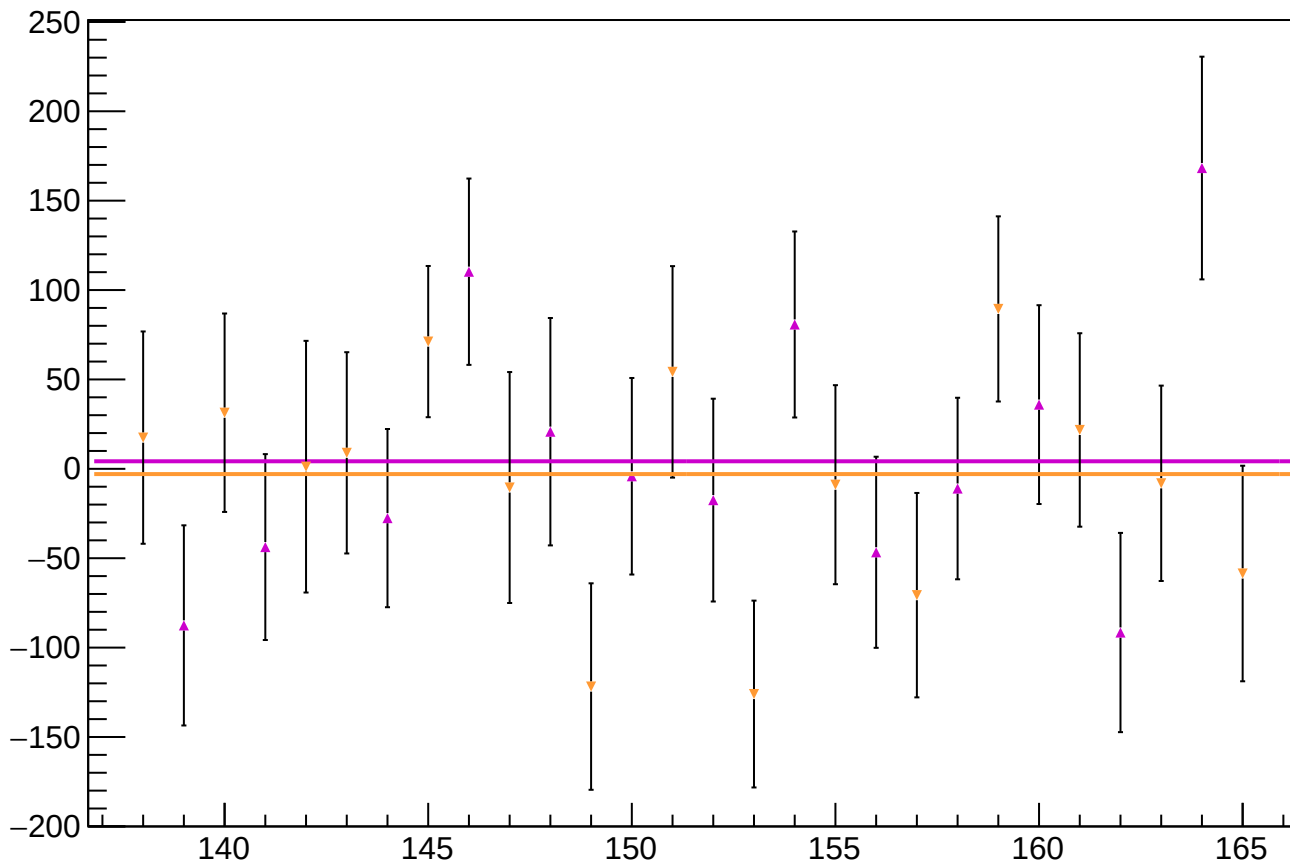
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 383.602+/-0.086 χ^2/NDF : 588310.2/12

Out: 378.469+/-0.082 χ^2/NDF : 996358.2/14

All: 380.929+/-0.059 χ^2/NDF : 1586534.9/27

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: -2.938 $\pm$ 14.389 χ^2 /NDF:20.0/14

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

Left In: 4.220 $\pm$ 15.145 χ^2 /NDF:21.7/12

Left: 0.458 $\pm$ 10.432 χ^2 /NDF: 41.8/27

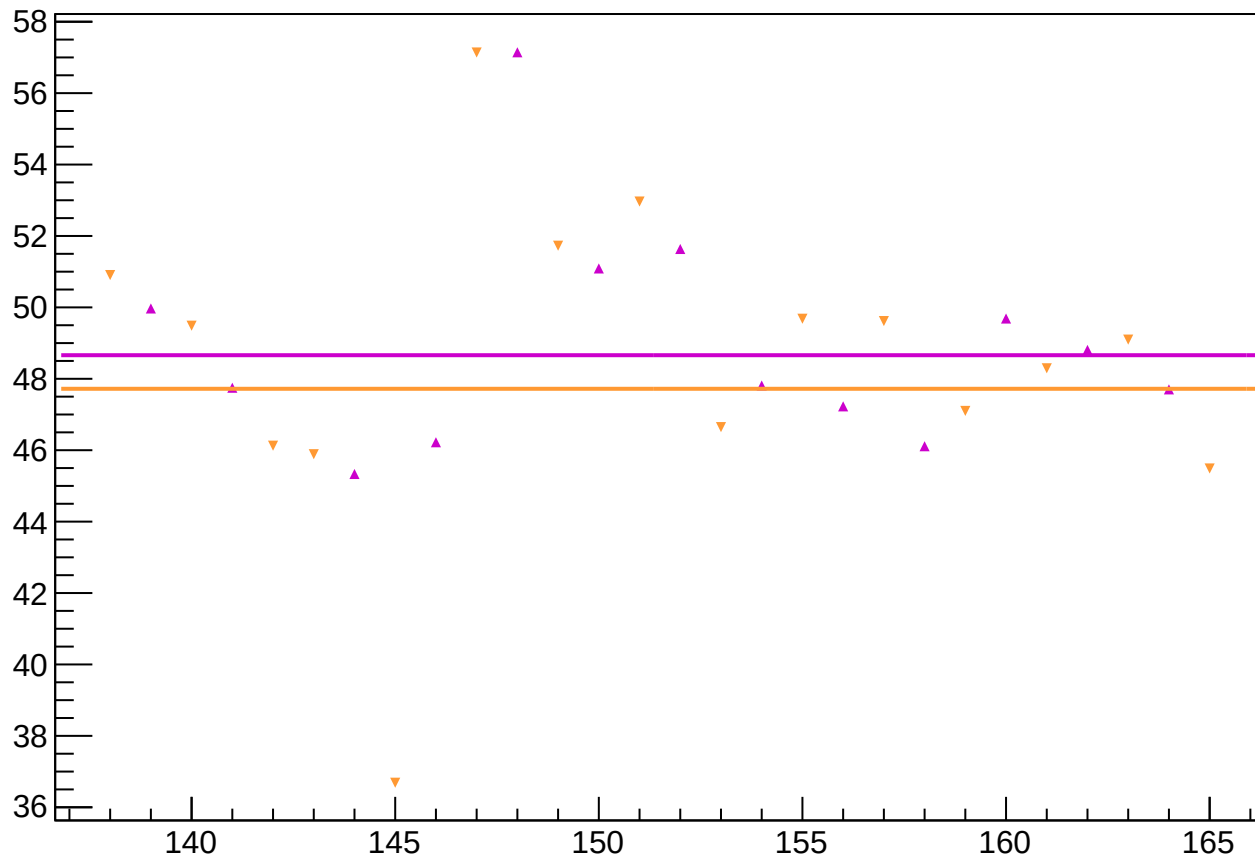
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 4.220 $\pm$ 15.145 χ^2 /NDF:21.7/12

Out: -2.938 $\pm$ 14.389 χ^2 /NDF:20.0/14

All: 0.458 $\pm$ 10.432 χ^2 /NDF: 41.8/27

dit_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: 47.720 $\pm$ 0.010 χ^2/NDF :224945.9/14

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

Left In: 48.661 $\pm$ 0.011 χ^2/NDF :68167.7/12

Left: 48.166 $\pm$ 0.007 χ^2/NDF : 297167.3/27

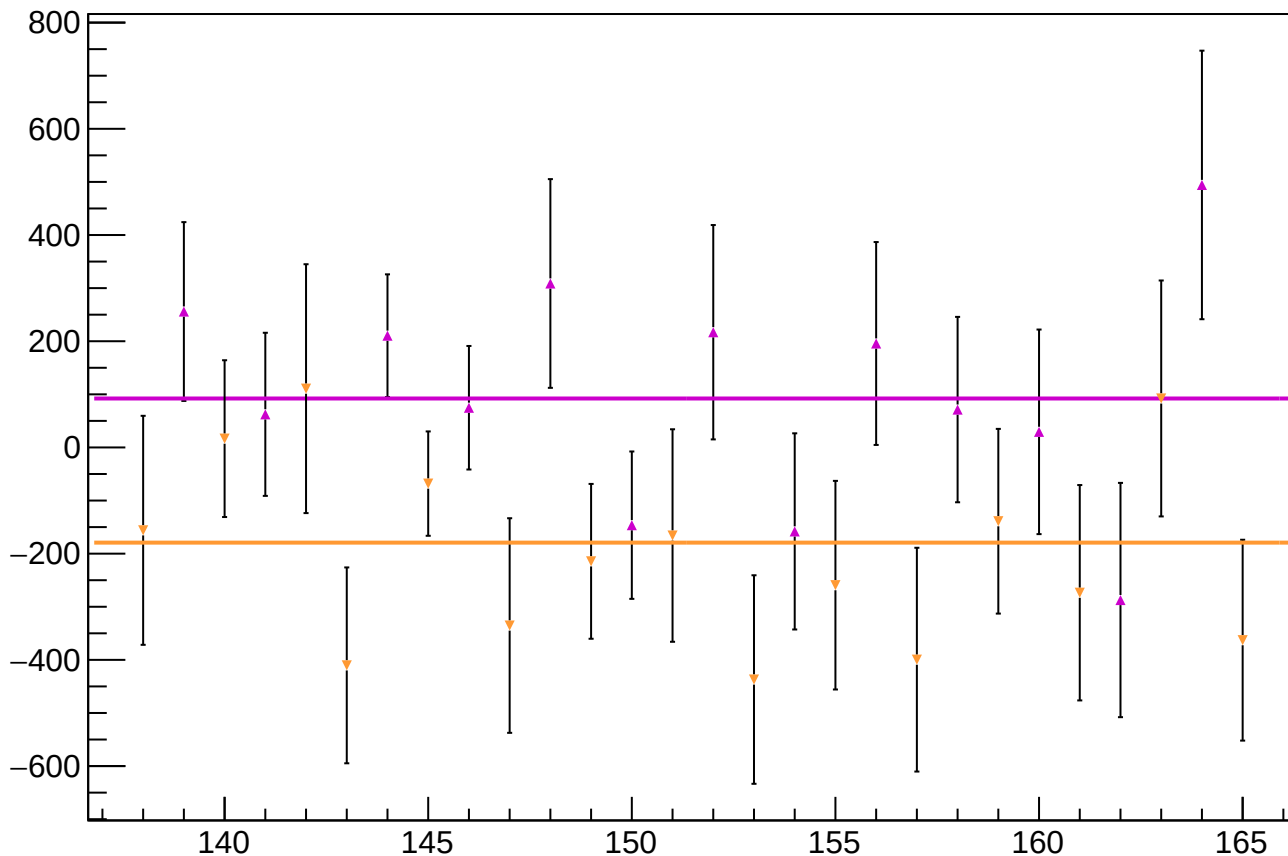
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 48.661 $\pm$ 0.011 χ^2/NDF :68167.7/12

Out: 47.720 $\pm$ 0.010 χ^2/NDF :224945.9/14

All: 48.166 $\pm$ 0.007 χ^2/NDF : 297167.3/27

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: -179.225+/-44.941 χ^2/NDF :12.5/14

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

Left In: 92.164+/-45.565 χ^2/NDF :14.3/12

Left: -45.401+/-31.997 χ^2/NDF : 44.8/27

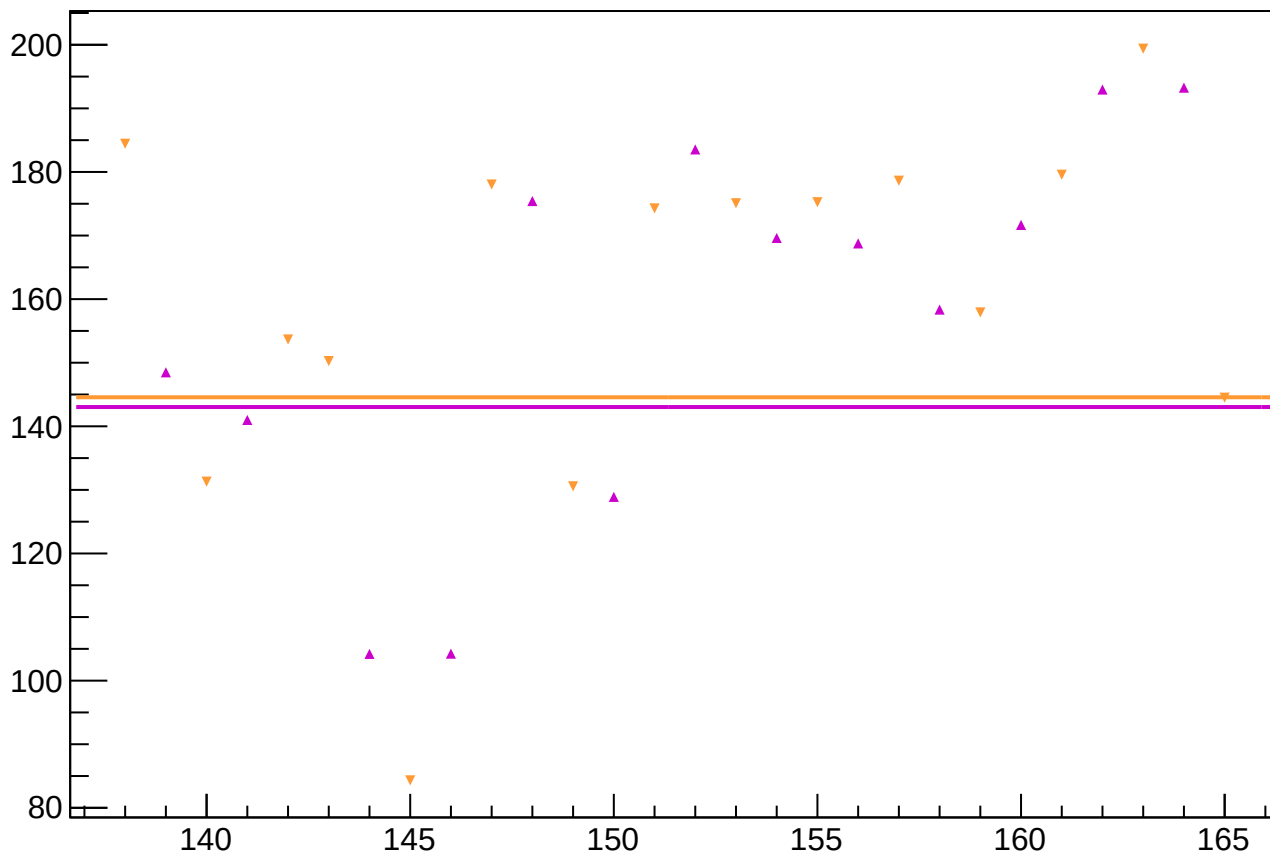
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 92.164+/-45.565 χ^2/NDF :14.3/12

Out: -179.225+/-44.941 χ^2/NDF :12.5/14

All: -45.401+/-31.997 χ^2/NDF : 44.8/27

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: 144.567+/-0.032 χ^2/NDF :1301287.1/14

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

Left In: 143.030+/-0.032 χ^2/NDF :925305.1/12

Left: 143.809+/-0.023 χ^2/NDF : 2227745.0/27

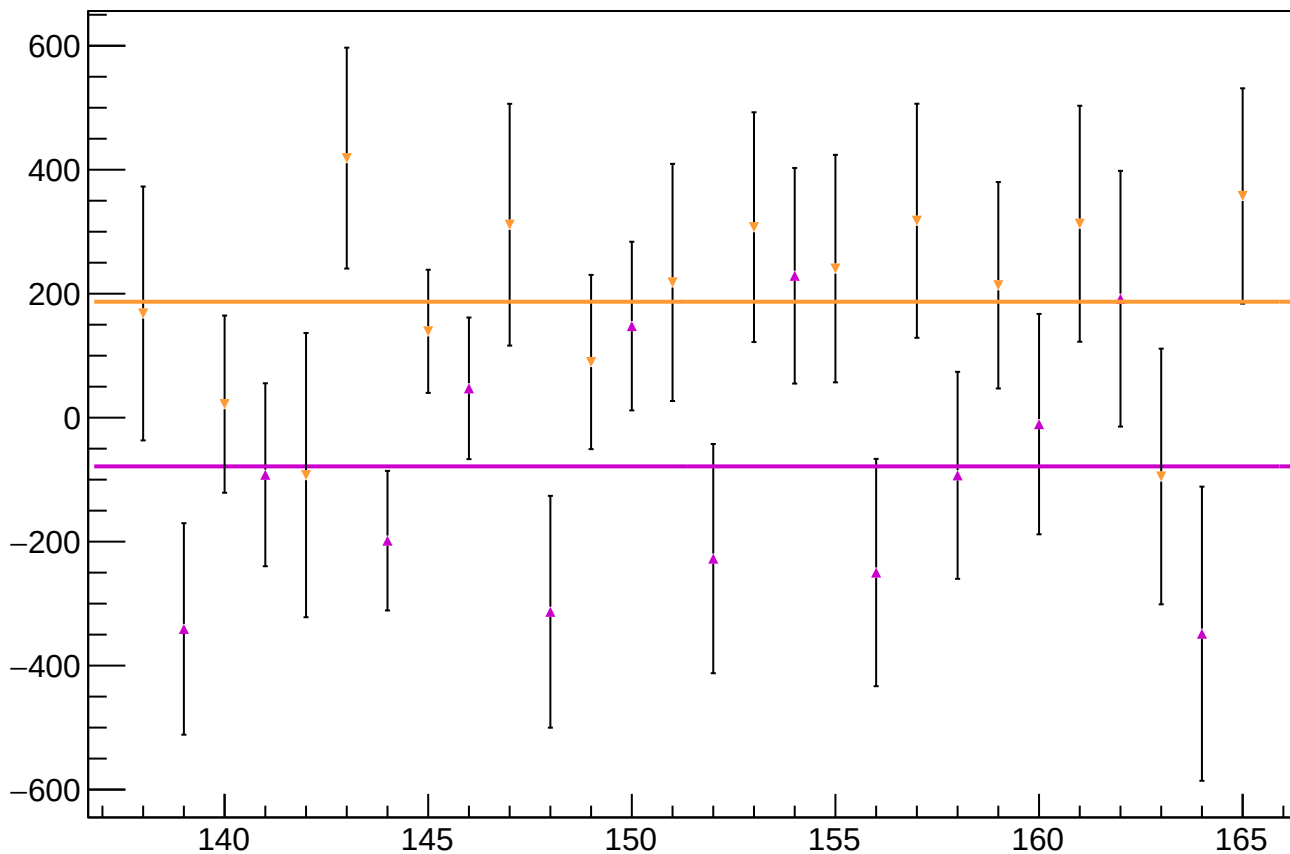
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 143.030+/-0.032 χ^2/NDF :925305.1/12

Out: 144.567+/-0.032 χ^2/NDF :1301287.1/14

All: 143.809+/-0.023 χ^2/NDF : 2227745.0/27

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: 187.028 $\pm$ 43.188 χ^2 /NDF:9.9/14

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

Left In: -78.606 $\pm$ 43.885 χ^2 /NDF:16.9/12

Left: 56.338 $\pm$ 30.782 χ^2 /NDF: 45.4/27

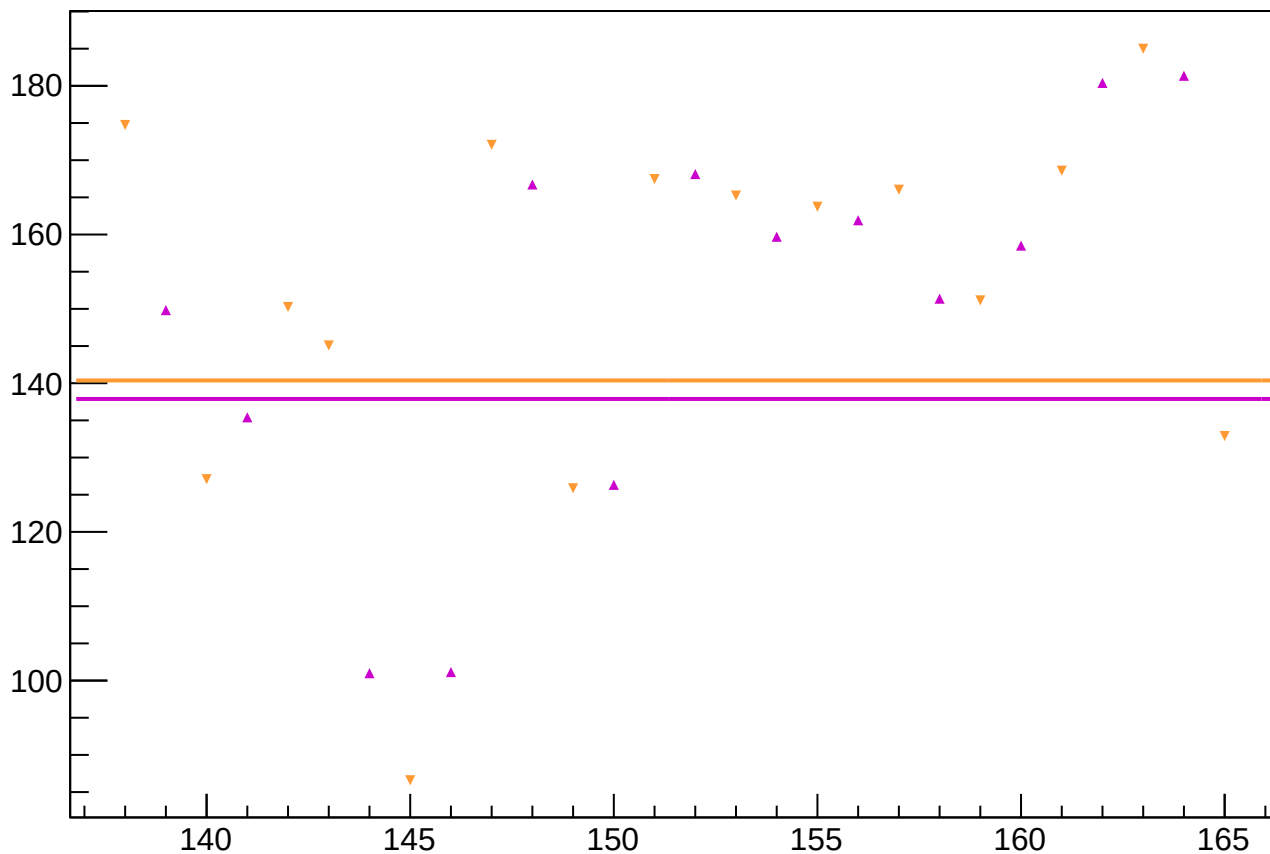
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -78.606 $\pm$ 43.885 χ^2 /NDF:16.9/12

Out: 187.028 $\pm$ 43.188 χ^2 /NDF:9.9/14

All: 56.338 $\pm$ 30.782 χ^2 /NDF: 45.4/27

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 140.370+/-0.031 χ^2/NDF :1034416.8/14

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

Left In: 137.883+/-0.031 χ^2/NDF :805509.4/12

Left: 139.146+/-0.022 χ^2/NDF : 1843190.6/27

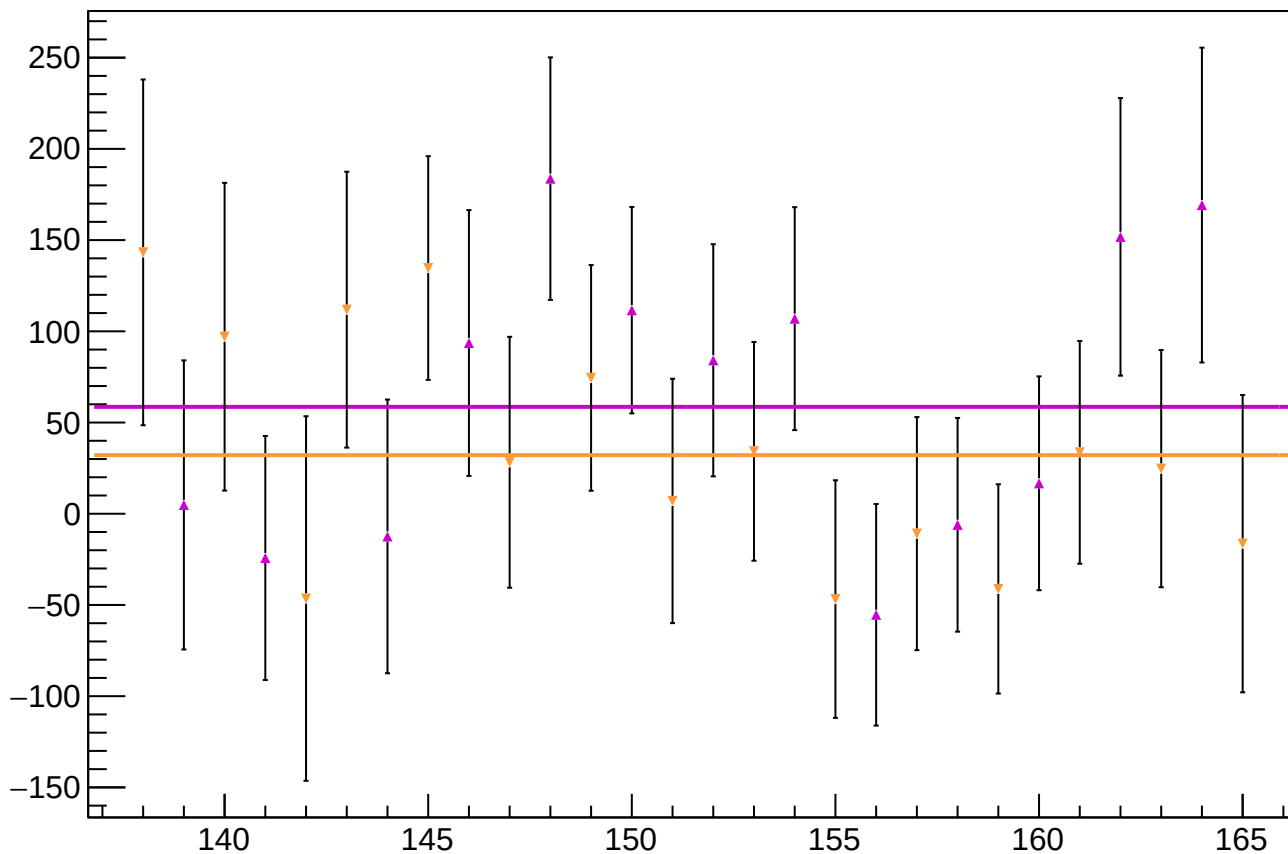
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 137.883+/-0.031 χ^2/NDF :805509.4/12

Out: 140.370+/-0.031 χ^2/NDF :1034416.8/14

All: 139.146+/-0.022 χ^2/NDF : 1843190.6/27

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: 32.124 $\pm$ 17.657 χ^2 /NDF:11.0/14

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

Left In: 58.601 $\pm$ 18.370 χ^2 /NDF:16.7/12

Left: 44.839 $\pm$ 12.730 χ^2 /NDF: 28.8/27

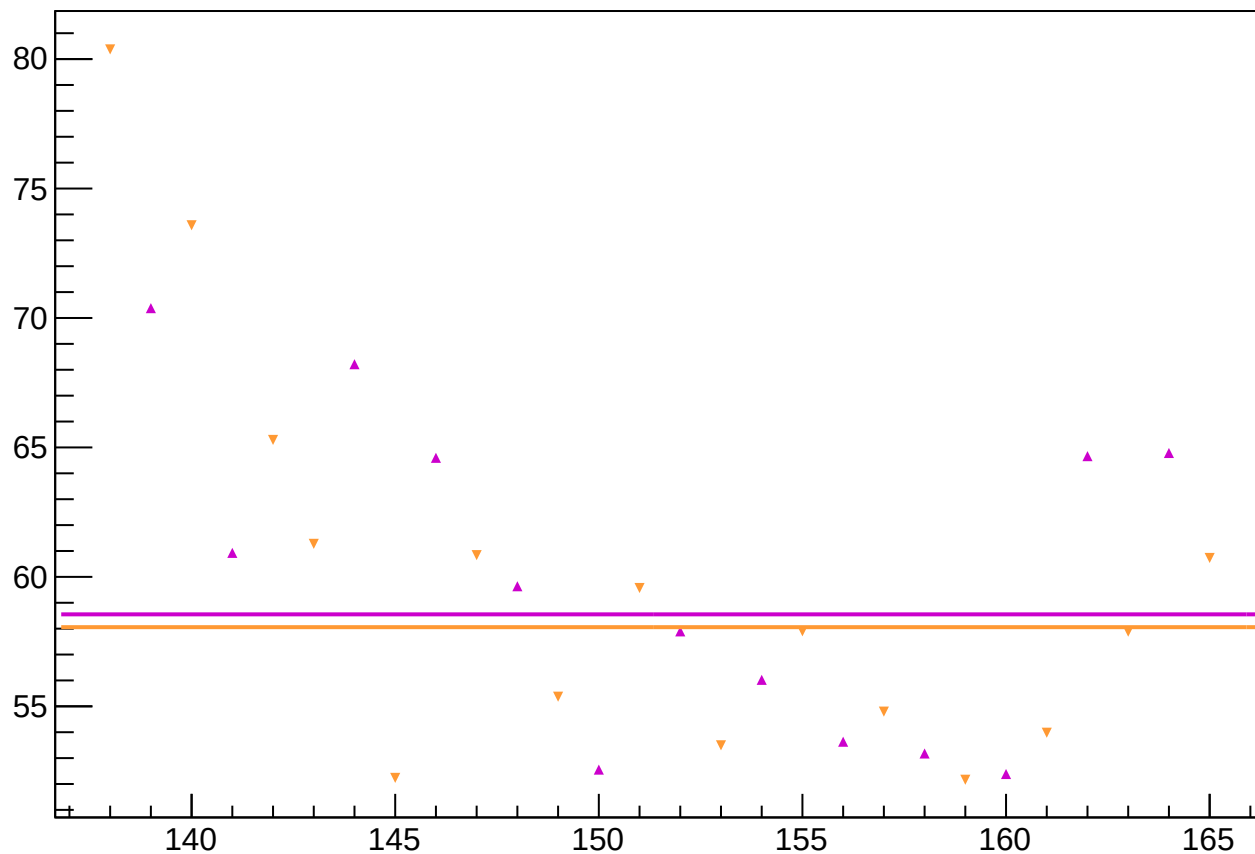
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 58.601 $\pm$ 18.370 χ^2 /NDF:16.7/12

Out: 32.124 $\pm$ 17.657 χ^2 /NDF:11.0/14

All: 44.839 $\pm$ 12.730 χ^2 /NDF: 28.8/27

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 58.057+/-0.012 χ^2/NDF :267887.0/14

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

Left In: 58.553+/-0.013 χ^2/NDF :196132.1/12

Left: 58.295+/-0.009 χ^2/NDF : 464774.9/27

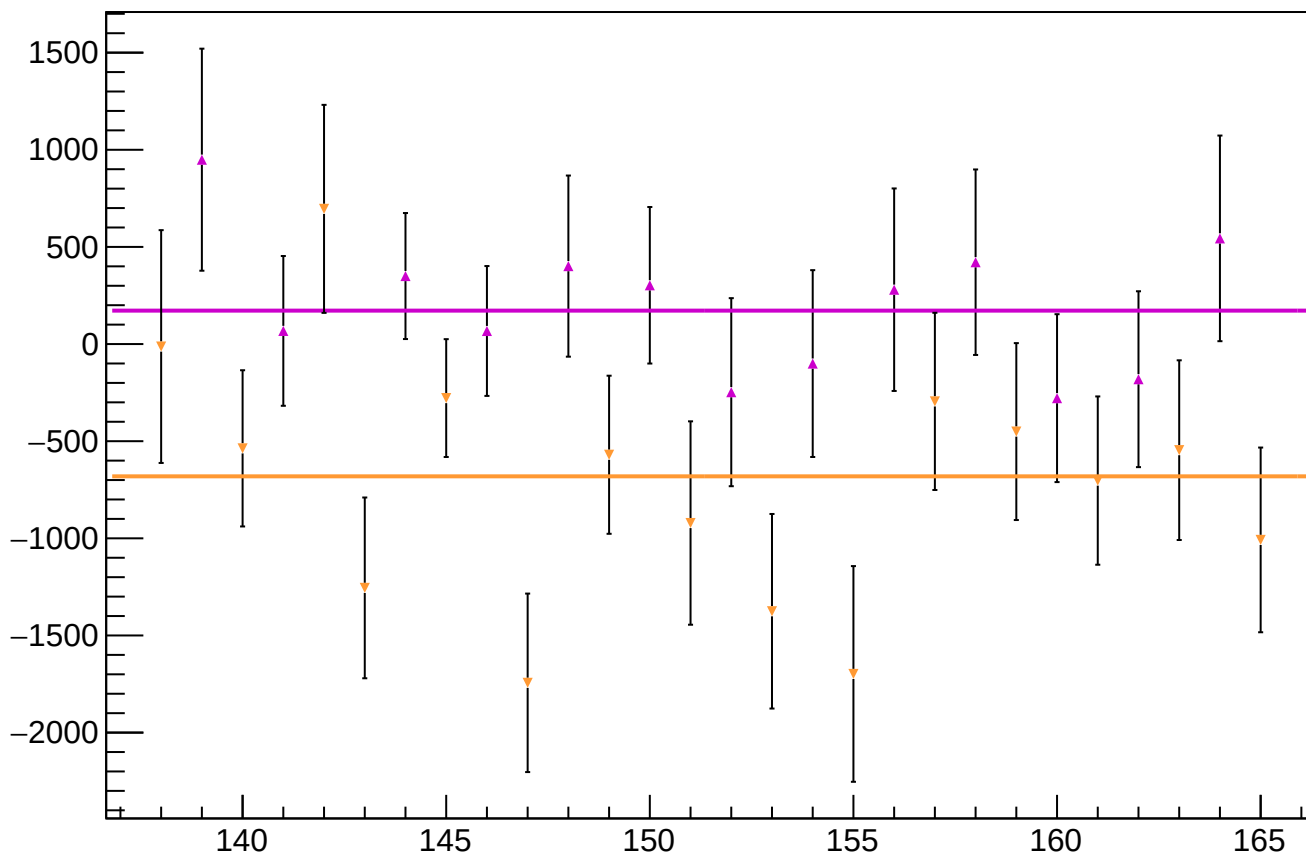
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.553+/-0.013 χ^2/NDF :196132.1/12

Out: 58.057+/-0.012 χ^2/NDF :267887.0/14

All: 58.295+/-0.009 χ^2/NDF : 464774.9/27

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -680.892+/-116.505 χ^2/NDF :23.7/14

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

Left In: 172.095+/-119.968 χ^2/NDF :6.2/12

Left: -266.885+/-83.579 χ^2/NDF : 56.0/27

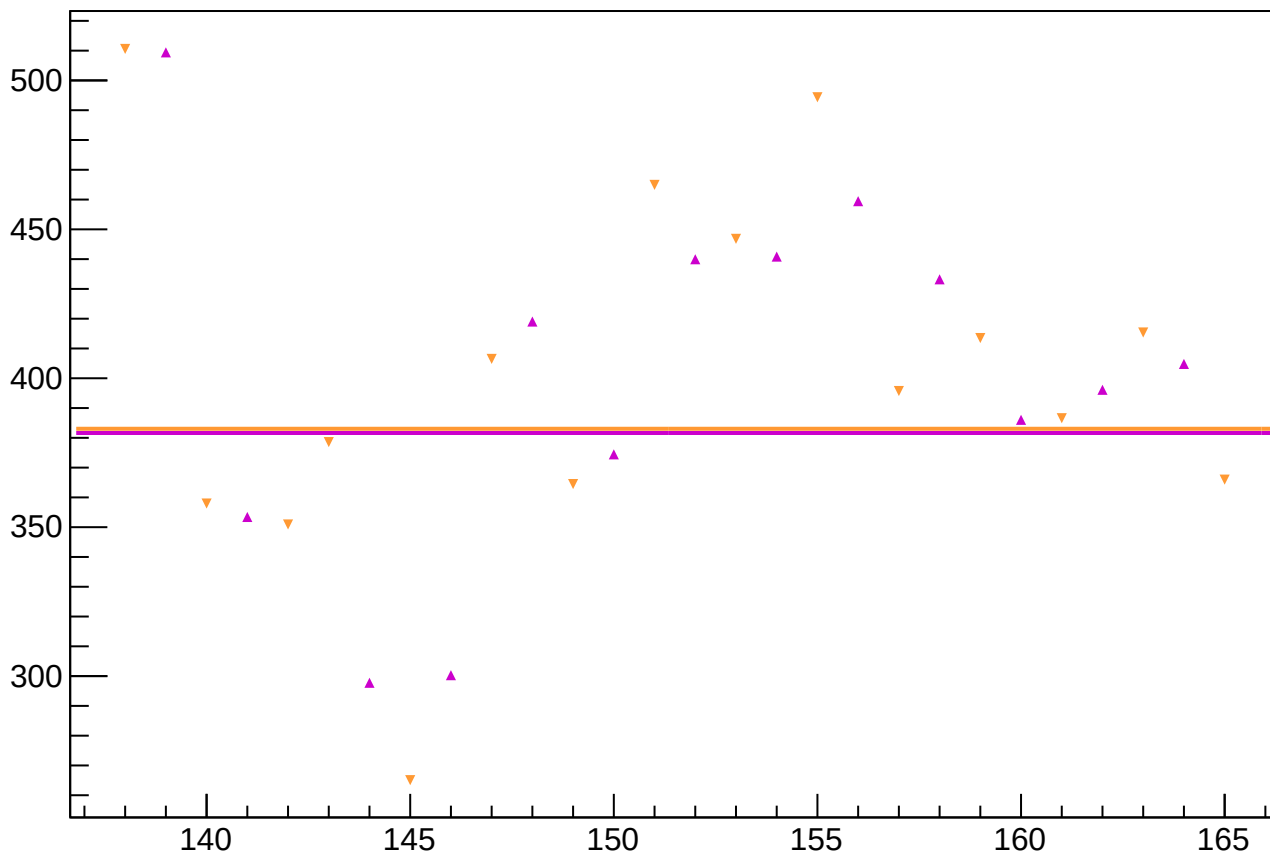
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 172.095+/-119.968 χ^2/NDF :6.2/12

Out: -680.892+/-116.505 χ^2/NDF :23.7/14

All: -266.885+/-83.579 χ^2/NDF : 56.0/27

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 383.047+/-0.082 χ^2/NDF :602534.6/14

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

Left In: 381.624+/-0.085 χ^2/NDF :509805.0/12

Left: 382.357+/-0.059 χ^2/NDF : 1112484.4/27

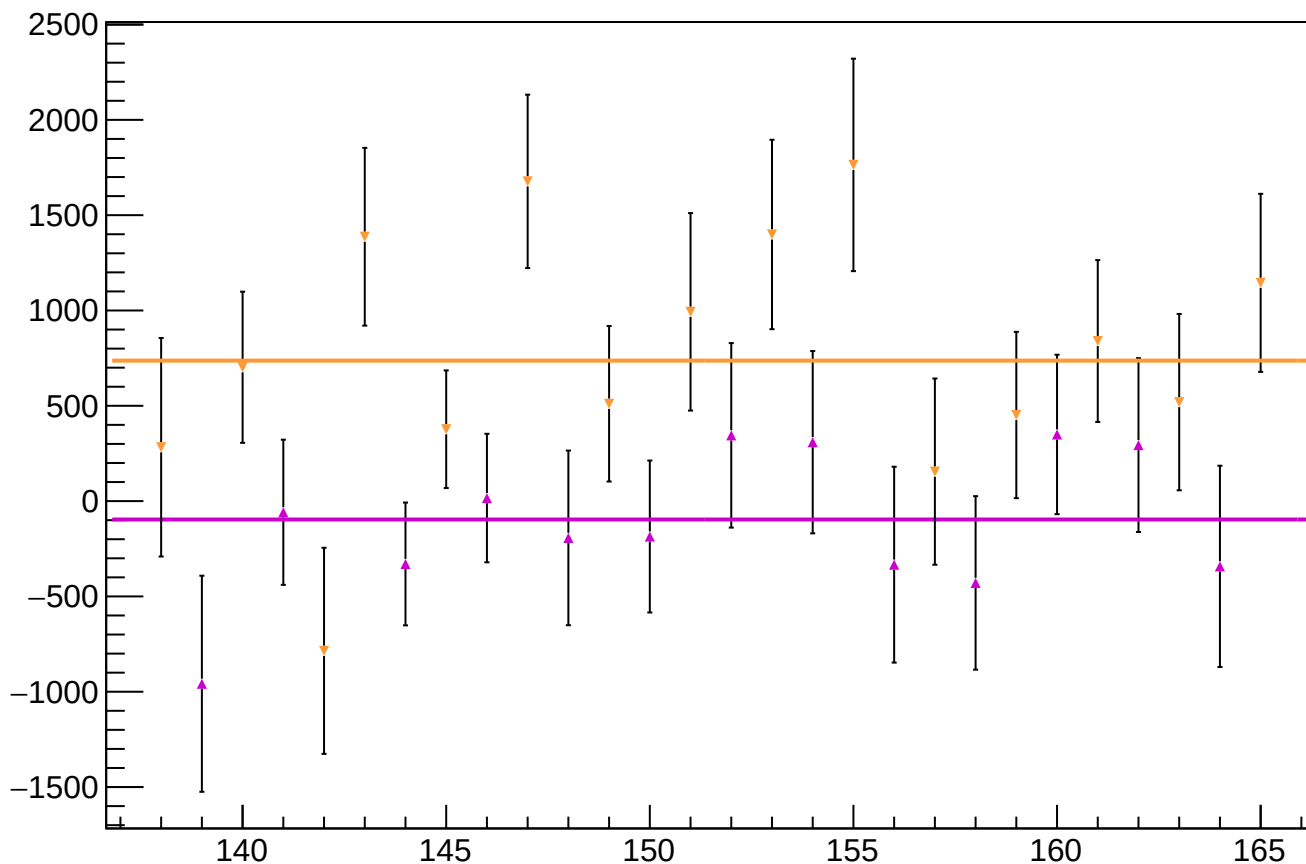
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 381.624+/-0.085 χ^2/NDF :509805.0/12

Out: 383.047+/-0.082 χ^2/NDF :602534.6/14

All: 382.357+/-0.059 χ^2/NDF : 1112484.4/27

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 737.032+/-116.223 χ^2/NDF :24.8/14

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

Left In: -96.465+/-118.773 χ^2/NDF :7.4/12

Left: 329.327+/-83.069 χ^2/NDF : 57.4/27

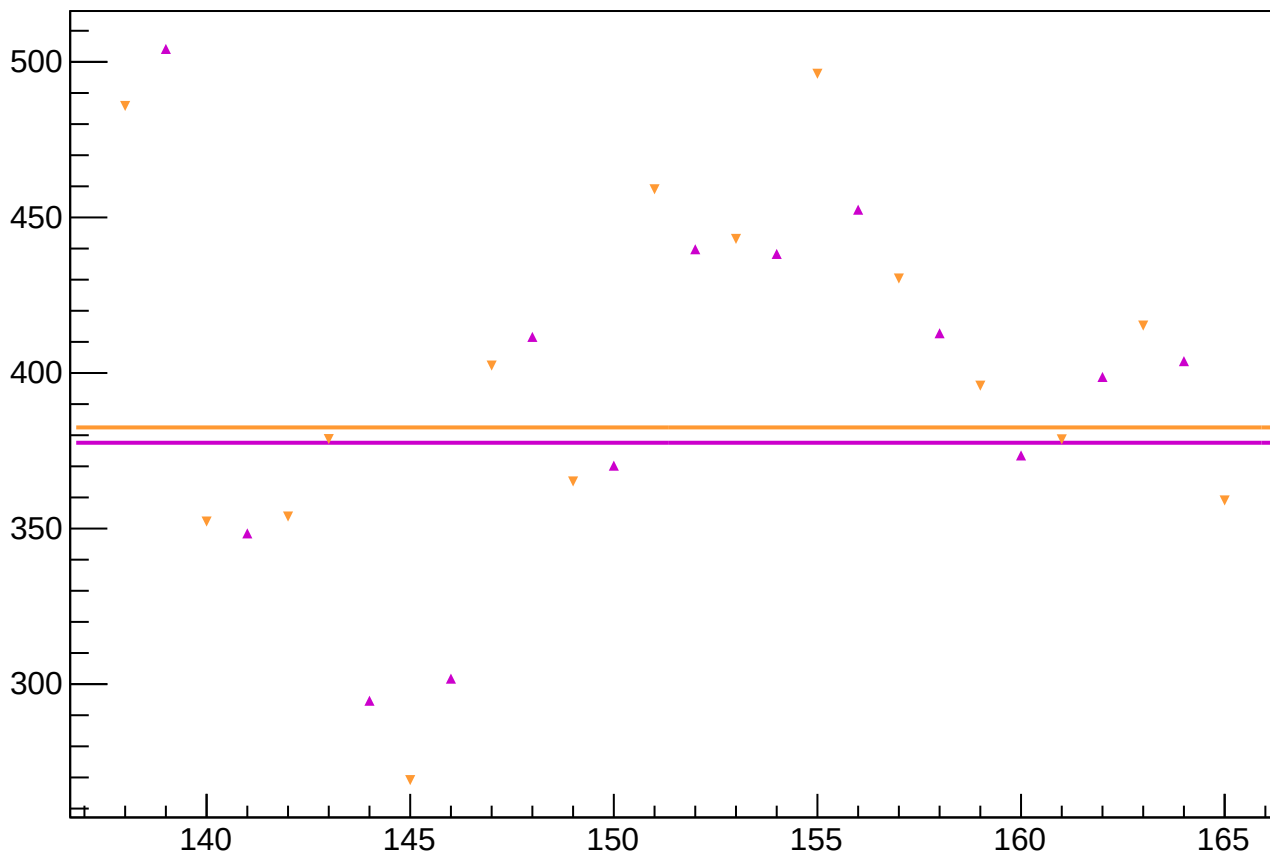
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -96.465+/-118.773 χ^2/NDF :7.4/12

Out: 737.032+/-116.223 χ^2/NDF :24.8/14

All: 329.327+/-83.069 χ^2/NDF : 57.4/27

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 382.508+/-0.082 χ^2/NDF :552722.4/14

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

Left In: 377.580+/-0.084 χ^2/NDF :486063.2/12

Left: 380.097+/-0.059 χ^2/NDF : 1040544.7/27

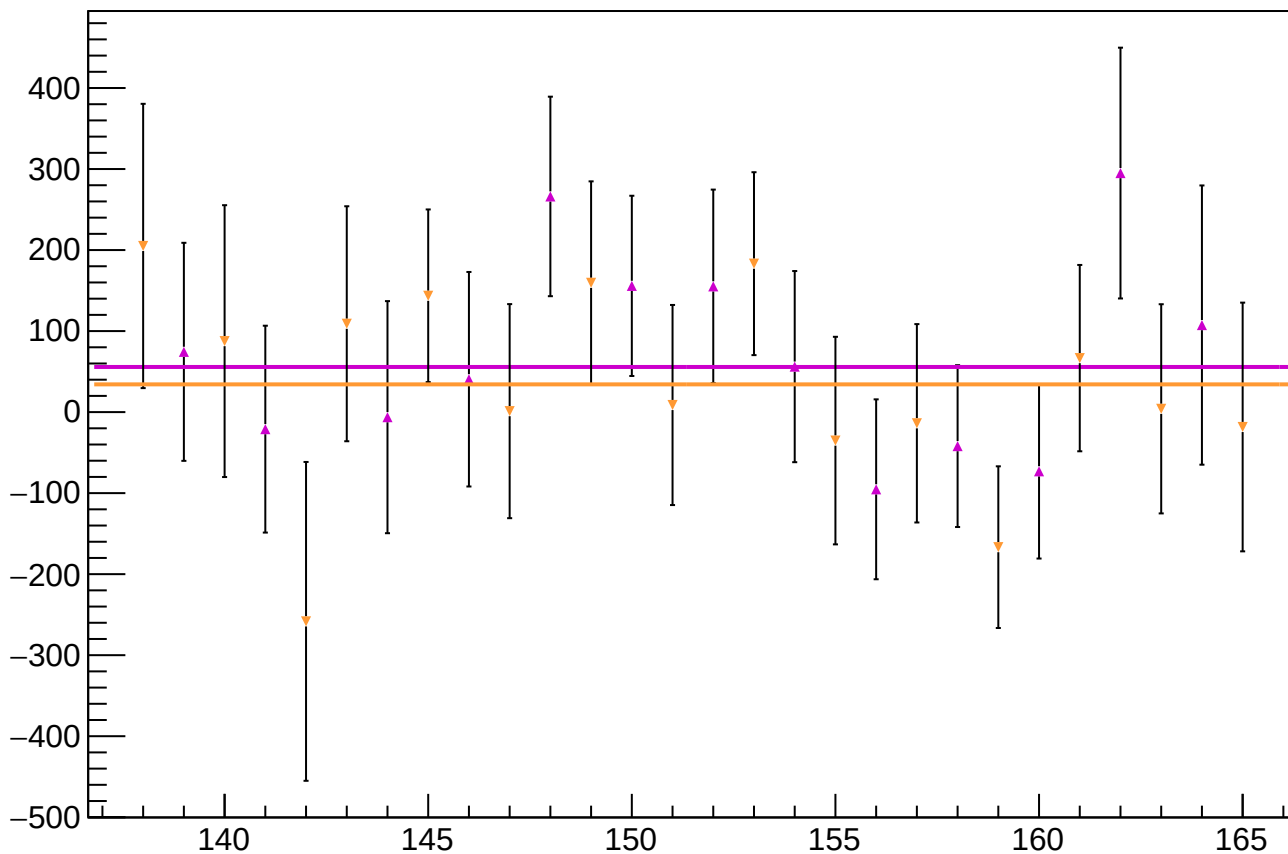
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 377.580+/-0.084 χ^2/NDF :486063.2/12

Out: 382.508+/-0.082 χ^2/NDF :552722.4/14

All: 380.097+/-0.059 χ^2/NDF : 1040544.7/27

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 34.227+/-33.317 χ^2/NDF :12.2/14

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

Left In: 55.711+/-34.214 χ^2/NDF :11.7/12

Left: 44.684+/-23.869 χ^2/NDF : 24.1/27

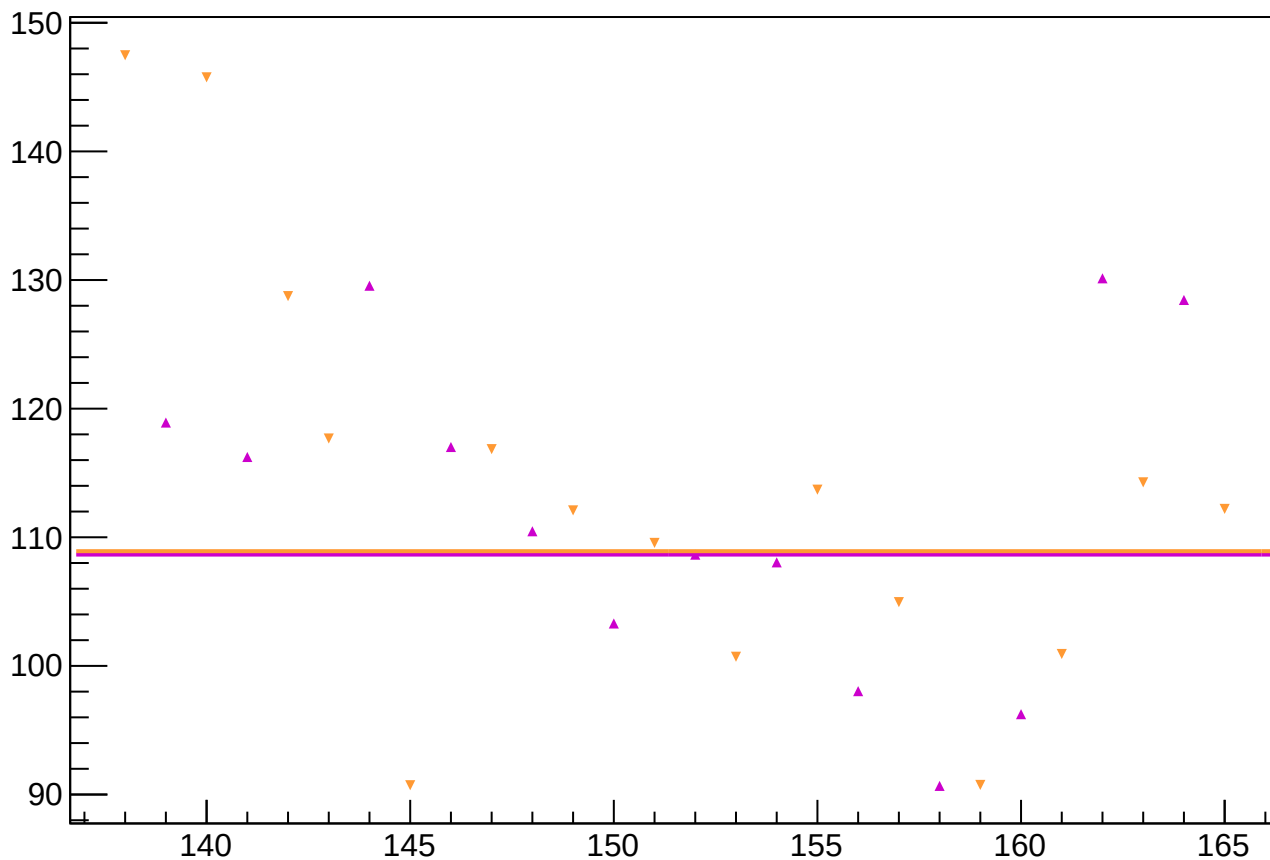
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 55.711+/-34.214 χ^2/NDF :11.7/12

Out: 34.227+/-33.317 χ^2/NDF :12.2/14

All: 44.684+/-23.869 χ^2/NDF : 24.1/27

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 108.919+/-0.024 χ^2/NDF : 383390.5/14

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

Left In: 108.655+/-0.024 χ^2/NDF : 249050.0/12

Left: 108.790+/-0.017 χ^2/NDF : 632501.5/27

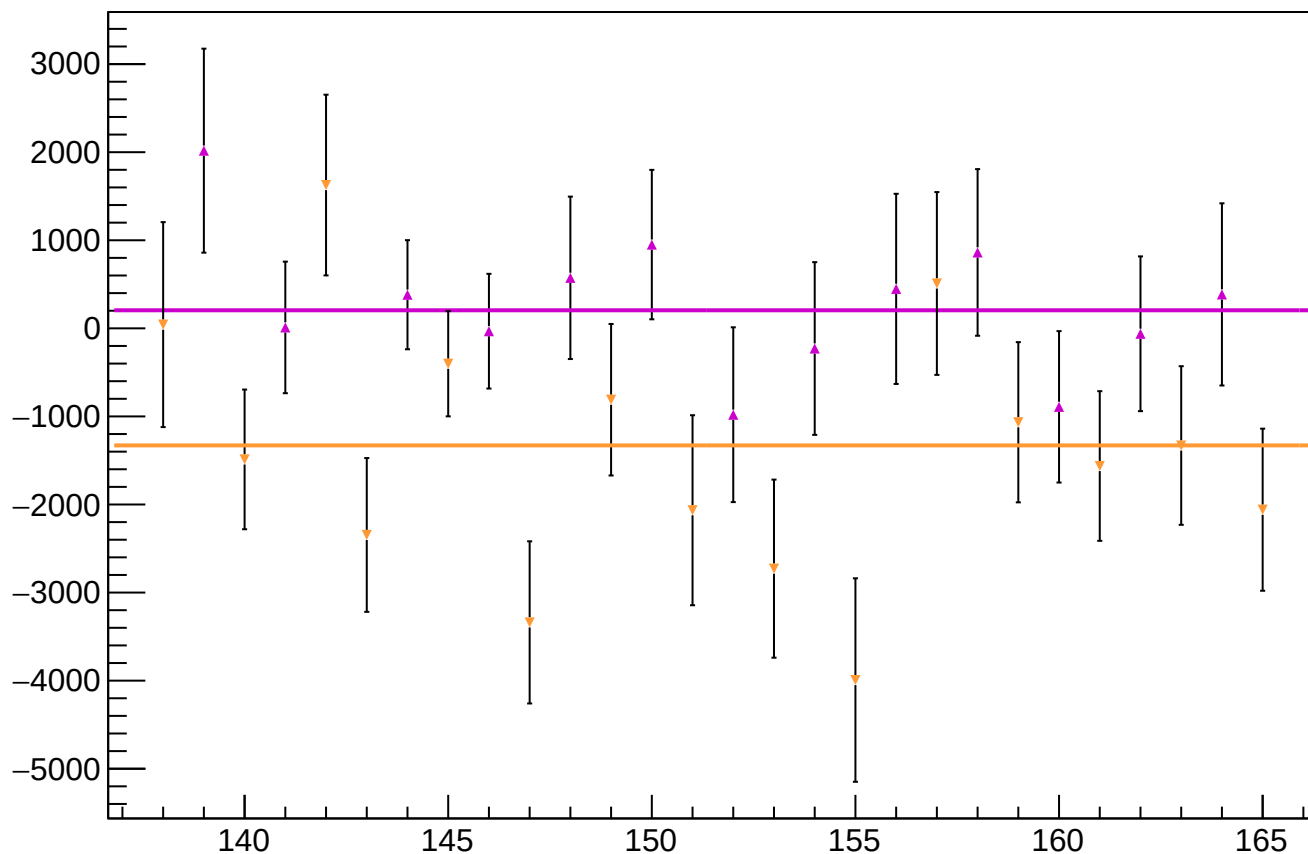
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 108.655+/-0.024 χ^2/NDF : 249050.0/12

Out: 108.919+/-0.024 χ^2/NDF : 383390.5/14

All: 108.790+/-0.017 χ^2/NDF : 632501.5/27

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1328.976+/-232.820 χ^2/NDF :30.3/14

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

Left In: 205.060+/-237.797 χ^2/NDF :7.6/12

Left: -578.178+/-166.360 χ^2/NDF : 59.1/27

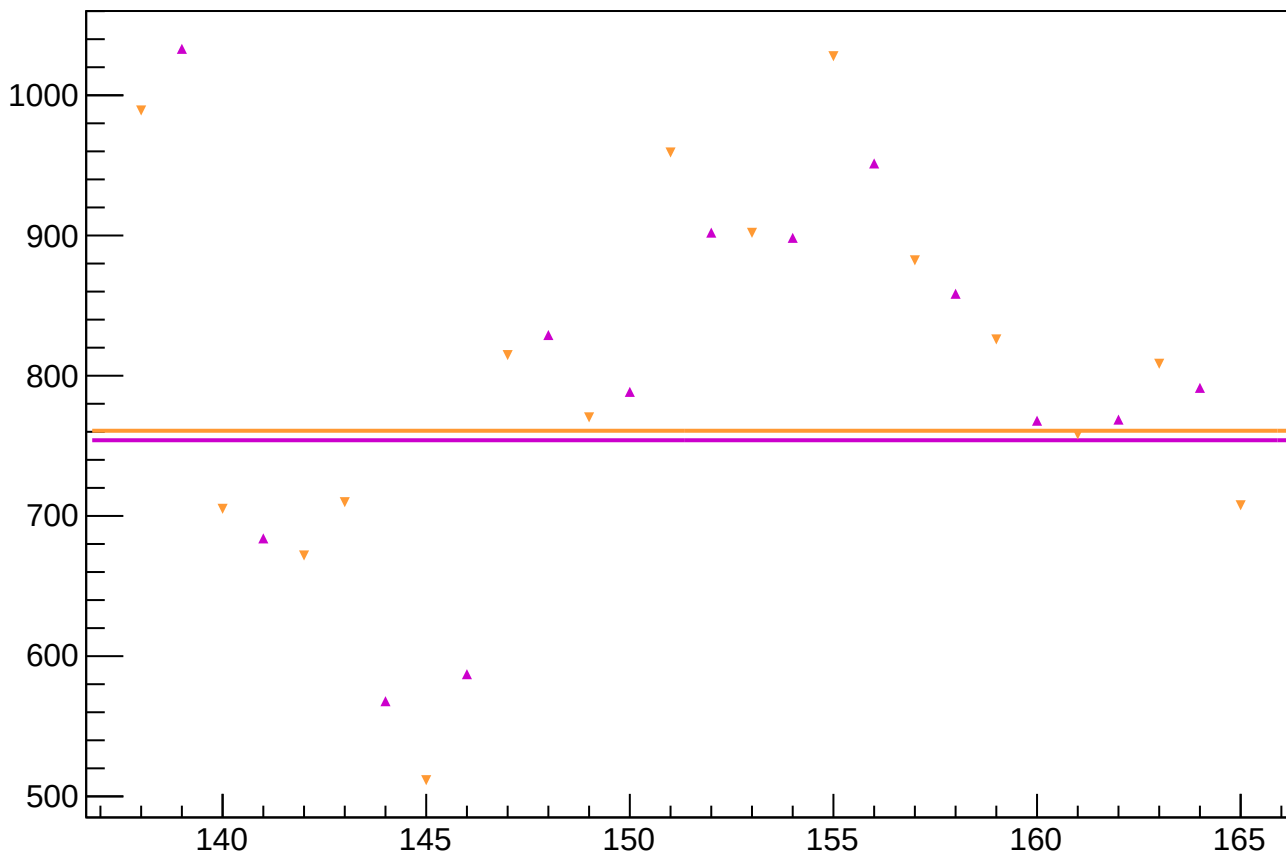
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 205.060+/-237.797 χ^2/NDF :7.6/12

Out: -1328.976+/-232.820 χ^2/NDF :30.3/14

All: -578.178+/-166.360 χ^2/NDF : 59.1/27

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 760.753+/-0.165 χ^2/NDF : 727489.6/14

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

Left In: 753.980+/-0.168 χ^2/NDF : 645046.9/12

Left: 757.438+/-0.118 χ^2/NDF : 1373364.8/27

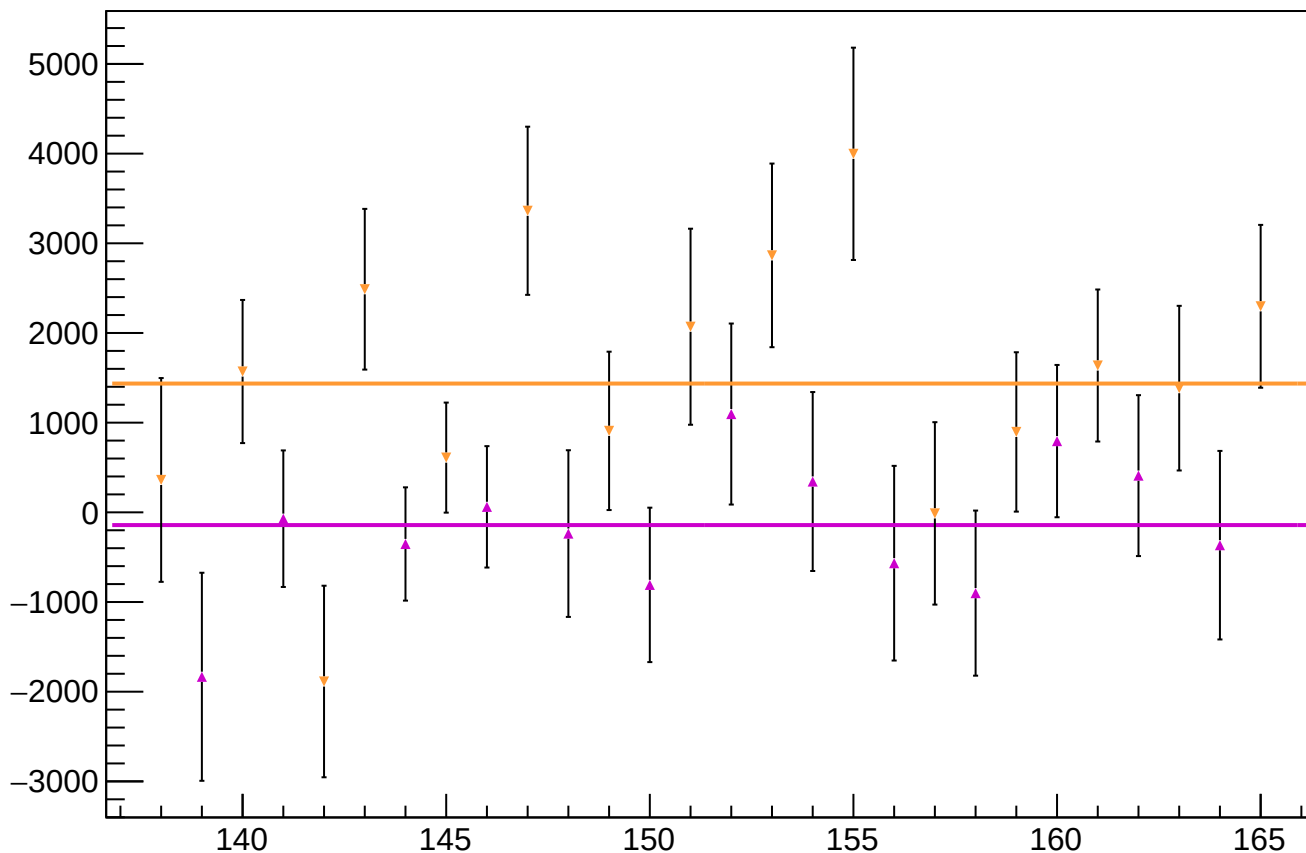
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 753.980+/-0.168 χ^2/NDF : 645046.9/12

Out: 760.753+/-0.165 χ^2/NDF : 727489.6/14

All: 757.438+/-0.118 χ^2/NDF : 1373364.8/27

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 1435.994+/-235.228 χ^2/NDF :28.7/14

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

Left In: -142.105+/-241.022 χ^2/NDF :7.2/12

Left: 666.143+/-168.342 χ^2/NDF : 57.8/27

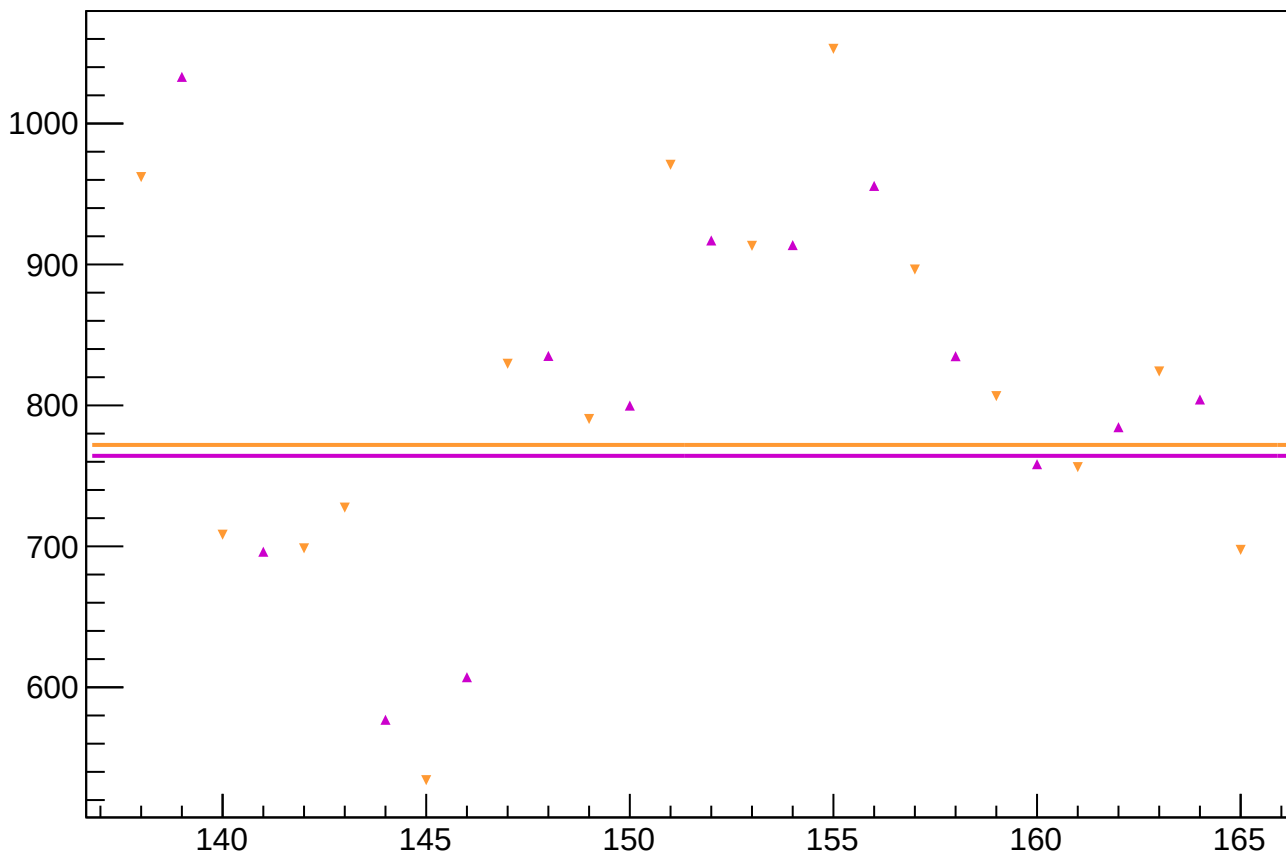
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -142.105+/-241.022 χ^2/NDF :7.2/12

Out: 1435.994+/-235.228 χ^2/NDF :28.7/14

All: 666.143+/-168.342 χ^2/NDF : 57.8/27

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 771.964+/-0.166 χ^2/NDF : 662506.8/14

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

Left In: 764.223+/-0.170 χ^2/NDF : 590849.6/12

Left: 768.188+/-0.119 χ^2/NDF : 1254413.1/27

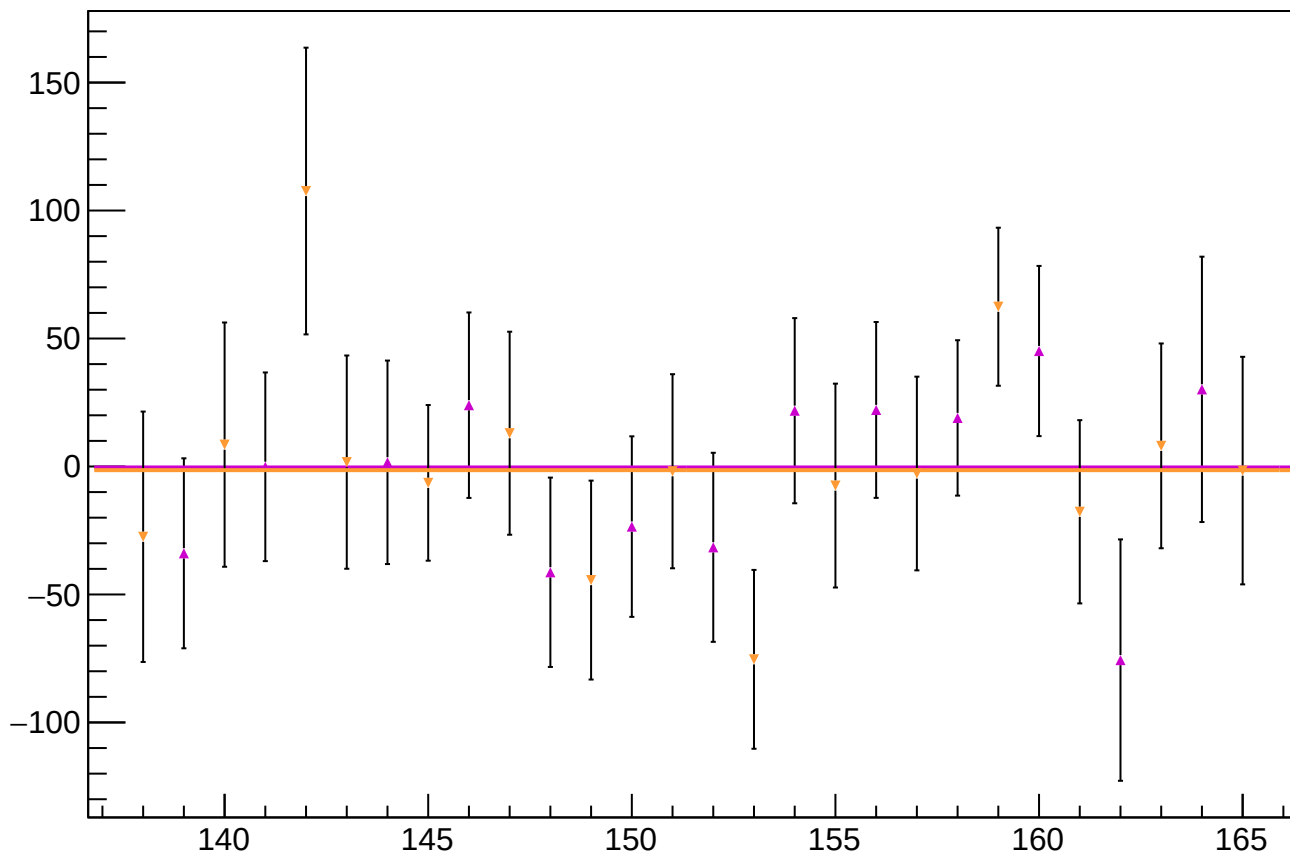
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 764.223+/-0.170 χ^2/NDF : 590849.6/12

Out: 771.964+/-0.166 χ^2/NDF : 662506.8/14

All: 768.188+/-0.119 χ^2/NDF : 1254413.1/27

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: -1.432 $\pm$ 10.032 χ^2 /NDF:14.5/14

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

Left In: -0.384 $\pm$ 10.234 χ^2 /NDF:9.6/12

Left: -0.919 $\pm$ 7.164 χ^2 /NDF: 24.2/27

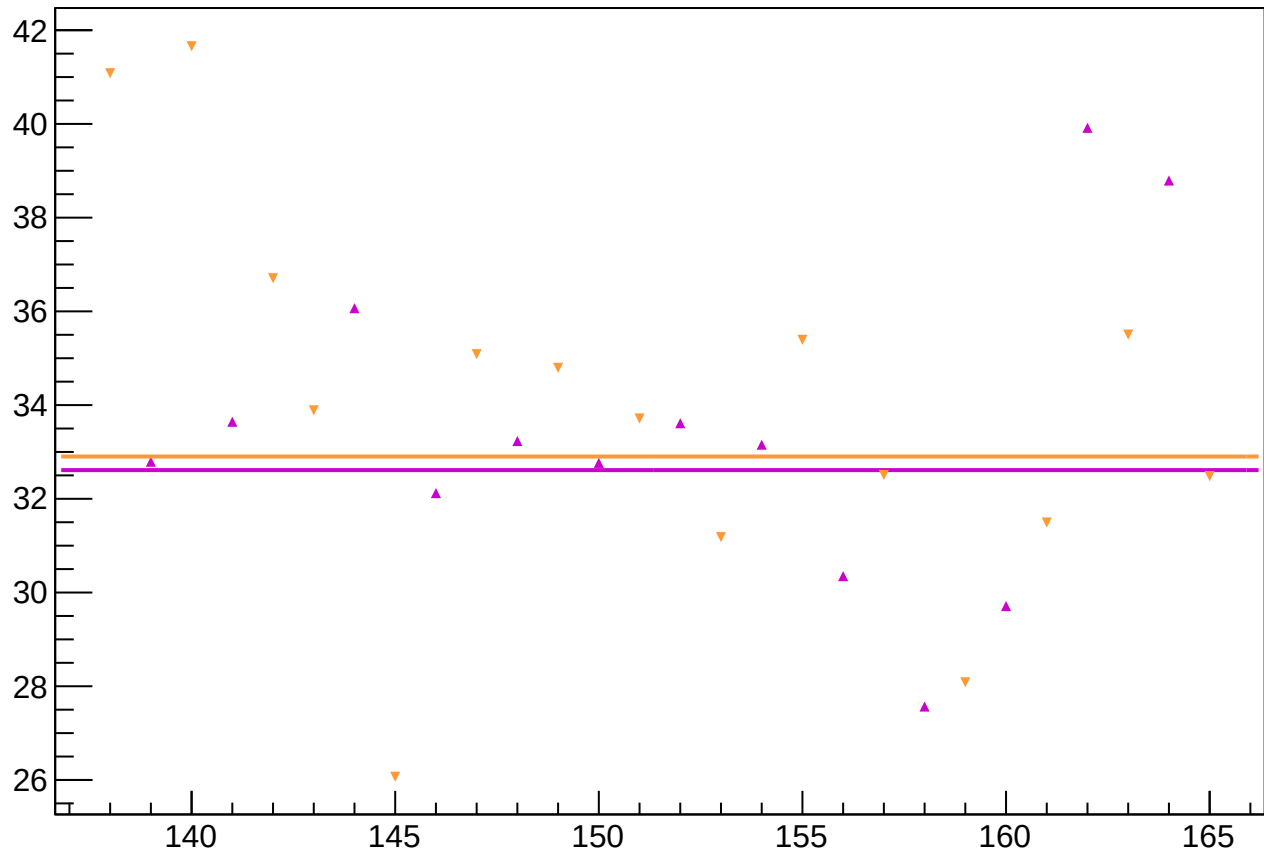
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.384 $\pm$ 10.234 χ^2 /NDF:9.6/12

Out: -1.432 $\pm$ 10.032 χ^2 /NDF:14.5/14

All: -0.919 $\pm$ 7.164 χ^2 /NDF: 24.2/27

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: 32.903+/-0.007 χ^2/NDF :319719.1/14

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

Left In: 32.612+/-0.007 χ^2/NDF :175184.1/12

Left: 32.760+/-0.005 χ^2/NDF : 495724.3/27

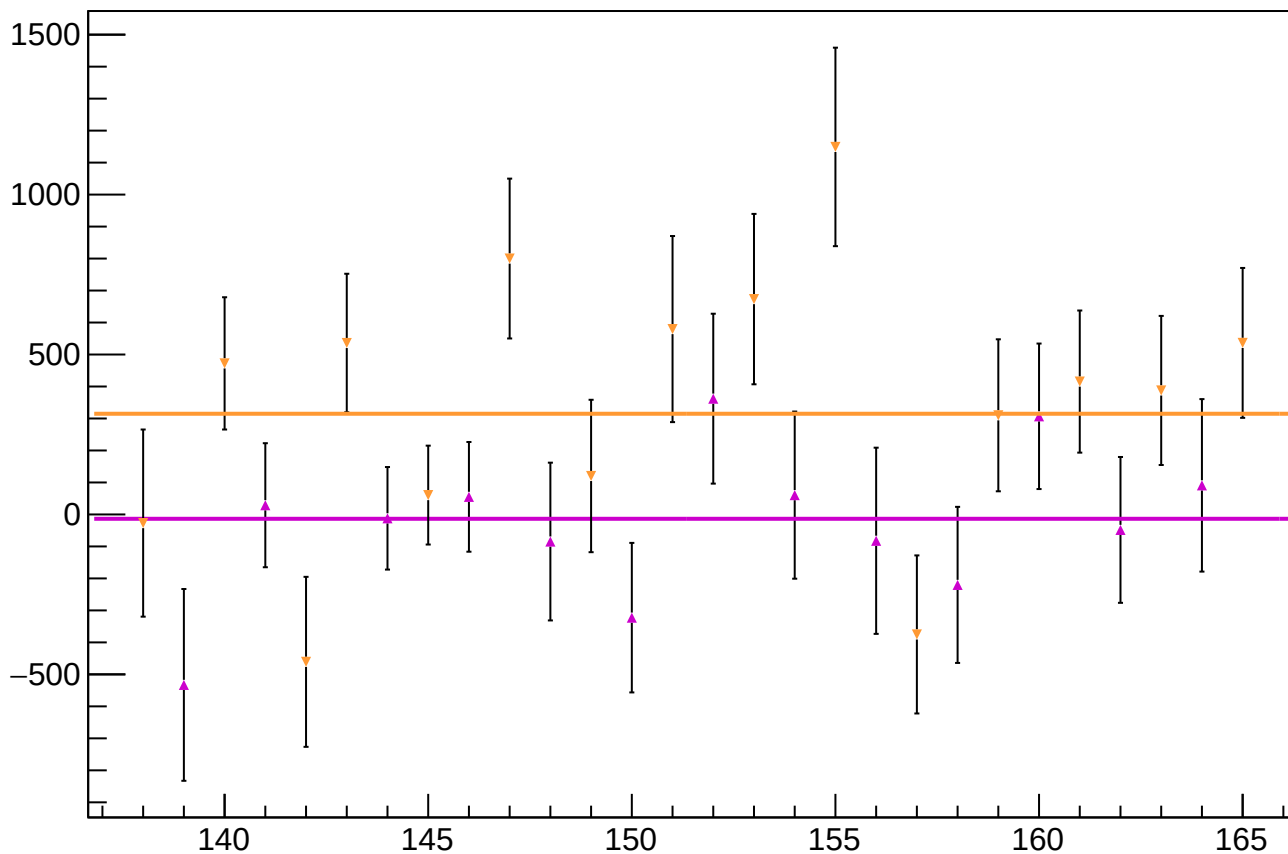
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 32.612+/-0.007 χ^2/NDF :175184.1/12

Out: 32.903+/-0.007 χ^2/NDF :319719.1/14

All: 32.760+/-0.005 χ^2/NDF : 495724.3/27

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: 314.815+/-60.485 χ^2/NDF :37.5/14

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

Left In: -13.561+/-62.606 χ^2/NDF :10.1/12

Left: 156.283+/-43.500 χ^2/NDF : 61.8/27

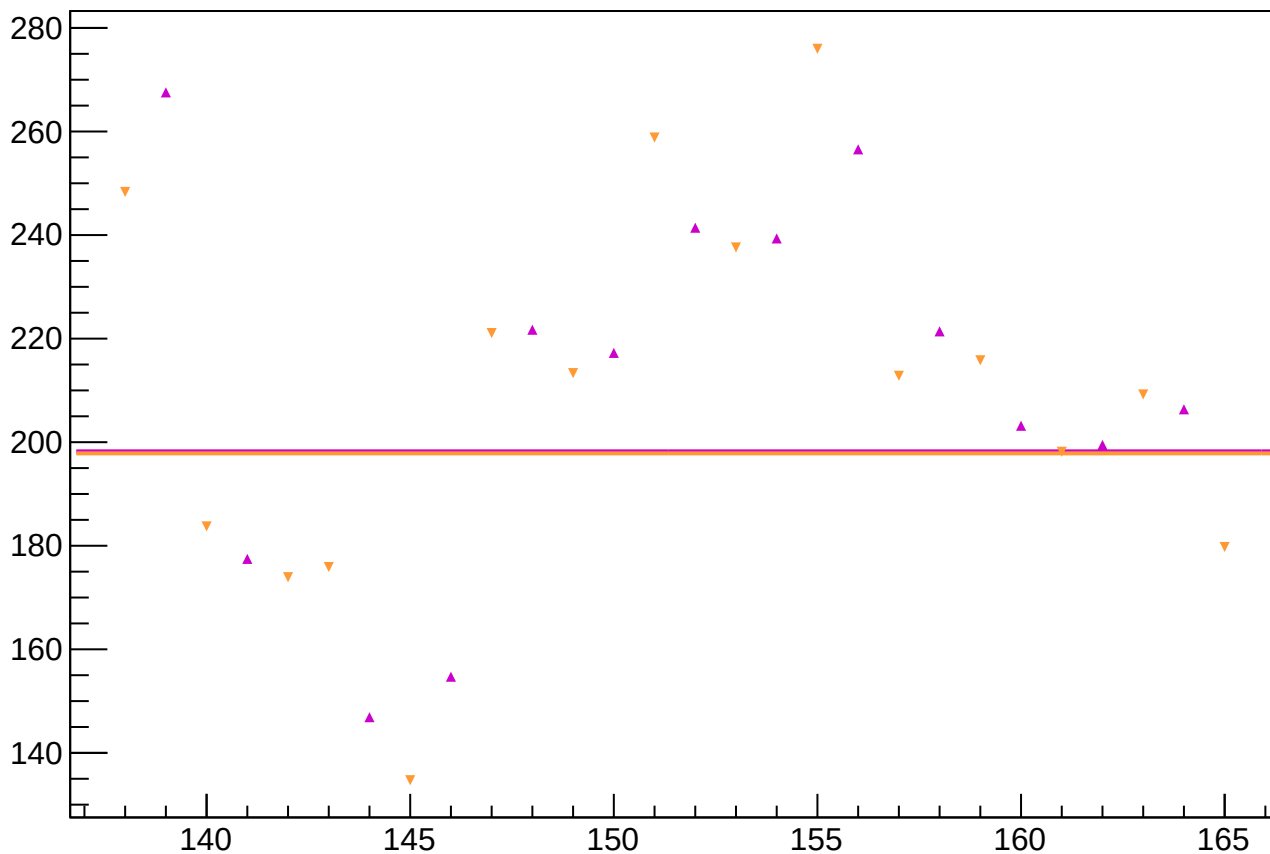
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -13.561+/-62.606 χ^2/NDF :10.1/12

Out: 314.815+/-60.485 χ^2/NDF :37.5/14

All: 156.283+/-43.500 χ^2/NDF : 61.8/27

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: 197.840+/-0.043 χ^2/NDF : 759744.8/14

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

Left In: 198.229+/-0.044 χ^2/NDF : 698777.9/12

Left: 198.028+/-0.031 χ^2/NDF : 1458562.5/27

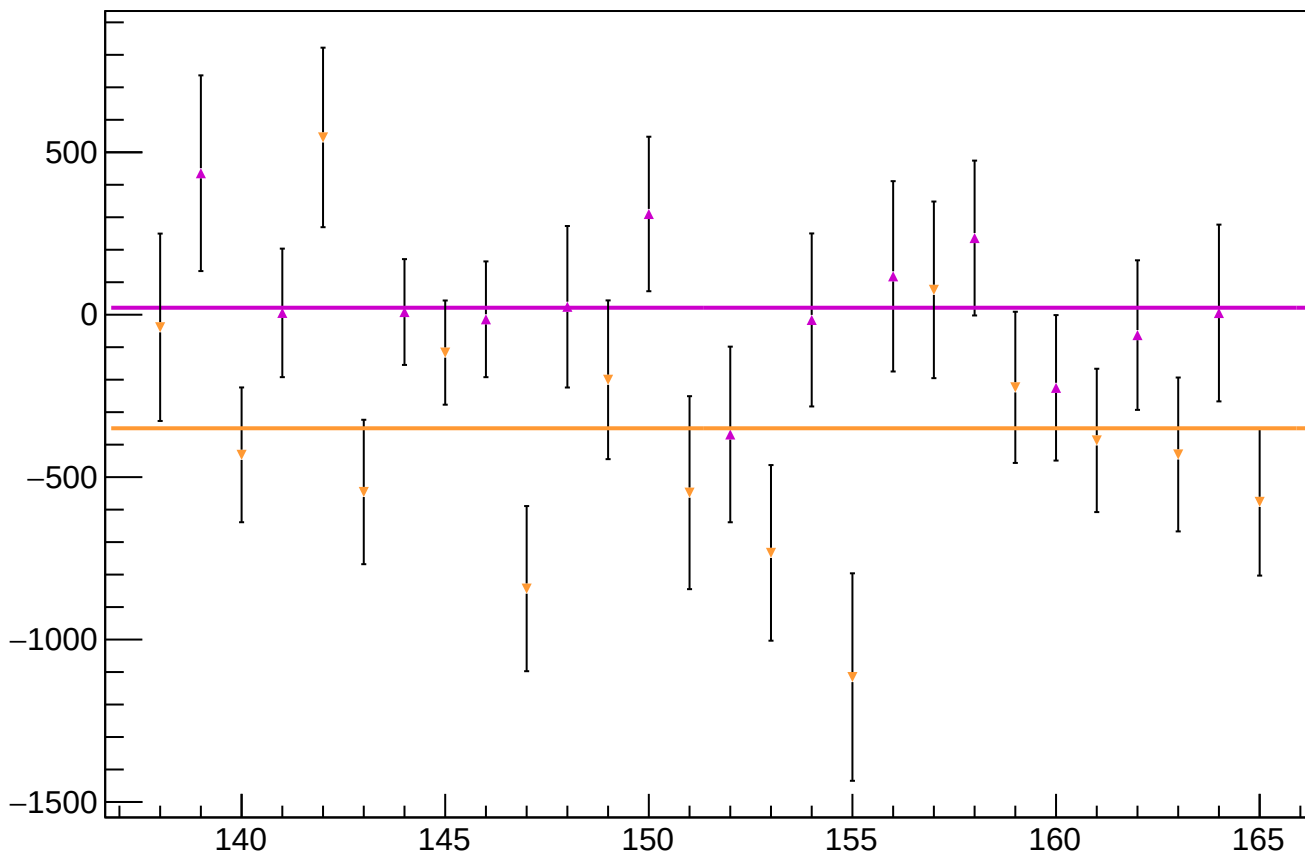
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 198.229+/-0.044 χ^2/NDF : 698777.9/12

Out: 197.840+/-0.043 χ^2/NDF : 759744.8/14

All: 198.028+/-0.031 χ^2/NDF : 1458562.5/27

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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

Left Out: -349.586+/-61.510 χ^2/NDF :31.0/14

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

Left In: 21.480+/-63.374 χ^2/NDF :7.8/12

Left: -169.592+/-44.138 χ^2/NDF : 56.4/27

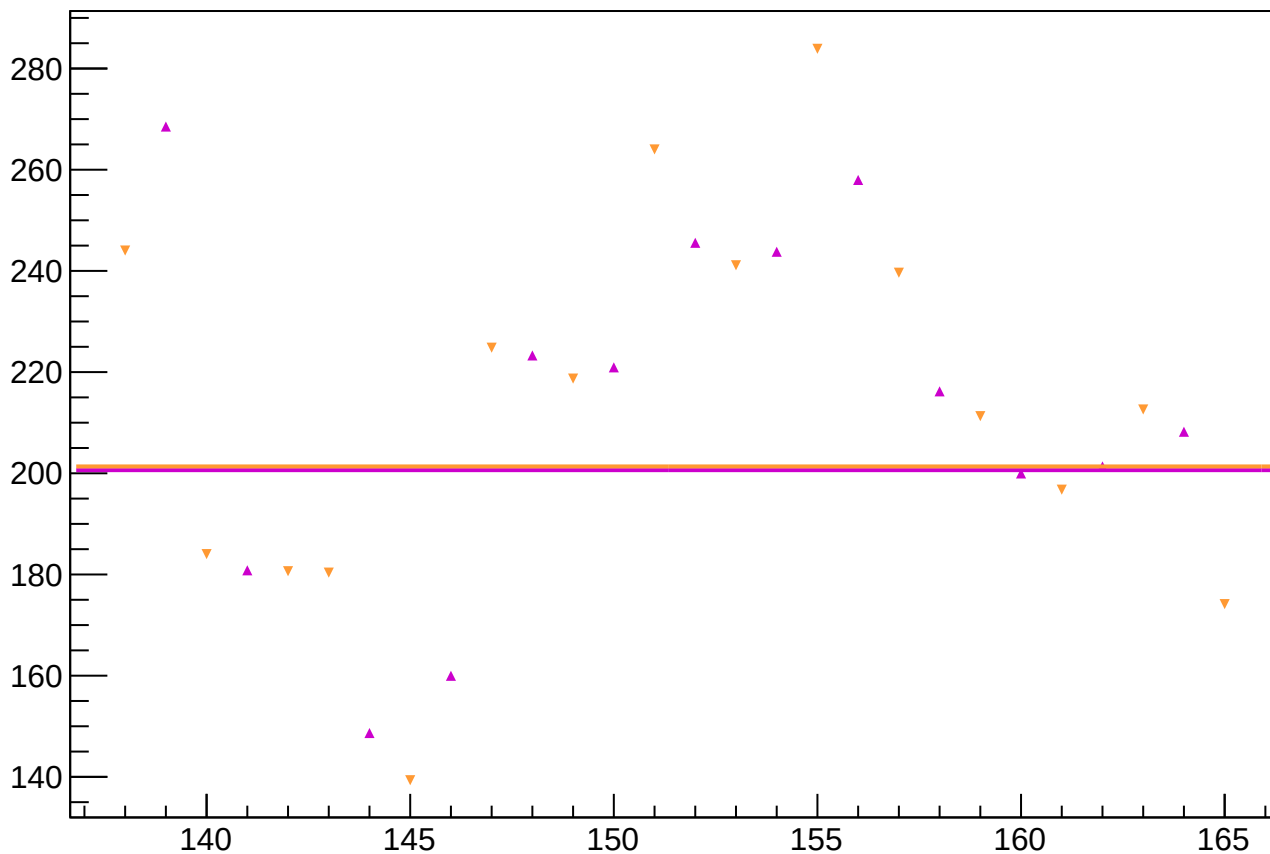
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 21.480+/-63.374 χ^2/NDF :7.8/12

Out: -349.586+/-61.510 χ^2/NDF :31.0/14

All: -169.592+/-44.138 χ^2/NDF : 56.4/27

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 201.355+/-0.043 χ^2/NDF : 756354.6/14

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

Left In: 200.620+/-0.045 χ^2/NDF : 655099.2/12

Left: 200.998+/-0.031 χ^2/NDF : 1411592.3/27

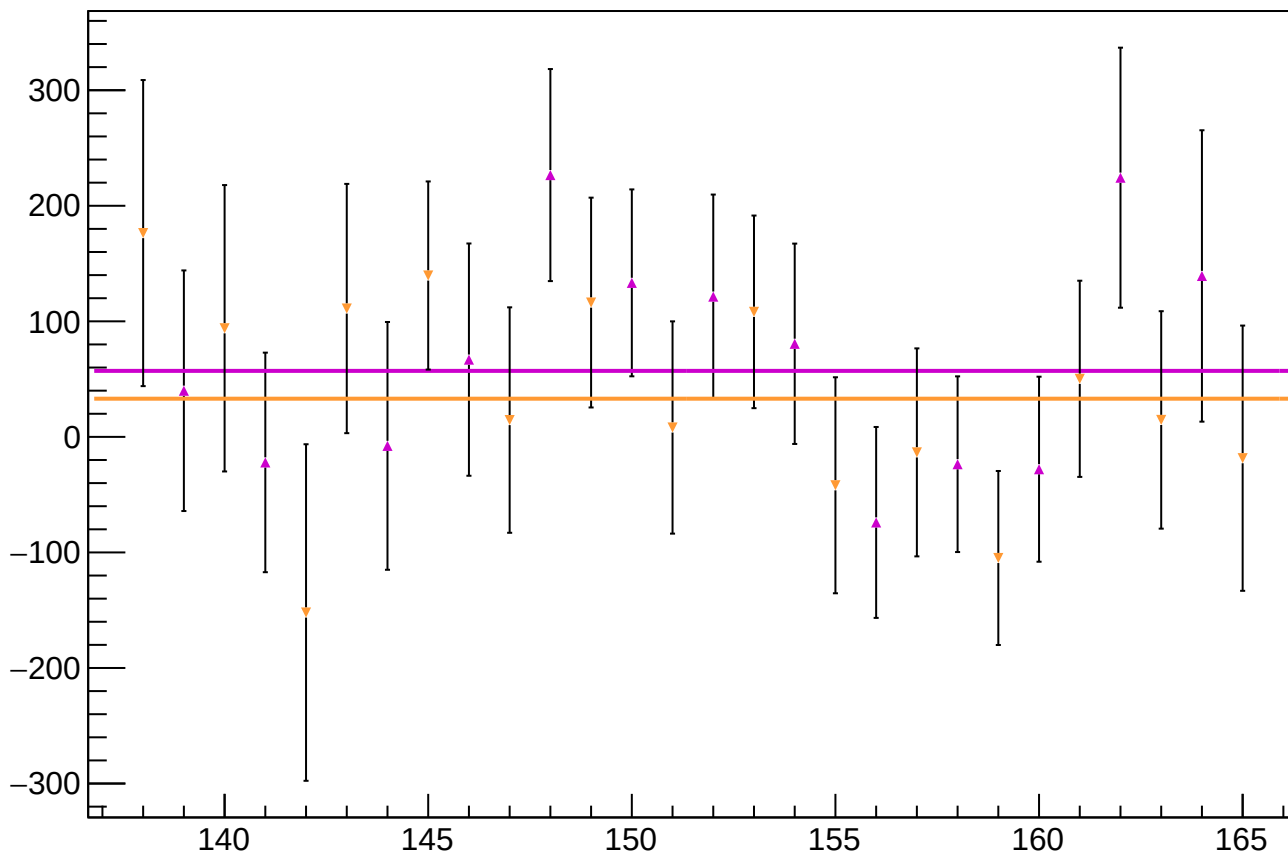
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 200.620+/-0.045 χ^2/NDF : 655099.2/12

Out: 201.355+/-0.043 χ^2/NDF : 756354.6/14

All: 200.998+/-0.031 χ^2/NDF : 1411592.3/27

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 33.046+/-24.717 χ^2/NDF :11.6/14

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

Left In: 57.116+/-25.488 χ^2/NDF :13.4/12

Left: 44.711+/-17.744 χ^2/NDF : 25.4/27

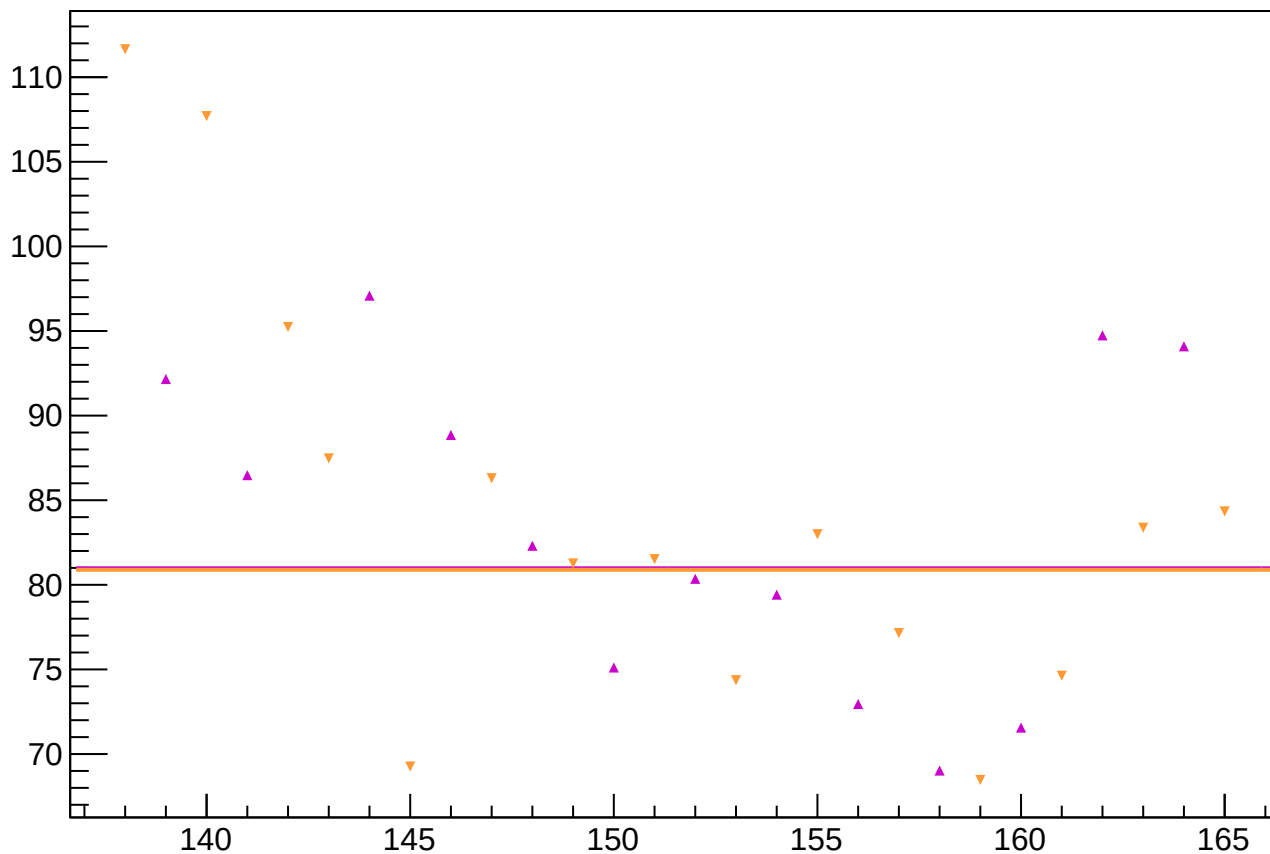
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.116+/-25.488 χ^2/NDF :13.4/12

Out: 33.046+/-24.717 χ^2/NDF :11.6/14

All: 44.711+/-17.744 χ^2/NDF : 25.4/27

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 80.888+/-0.017 χ^2/NDF :360679.1/14

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

Left In: 80.977+/-0.018 χ^2/NDF :246424.8/12

Left: 80.931+/-0.013 χ^2/NDF : 607116.4/27

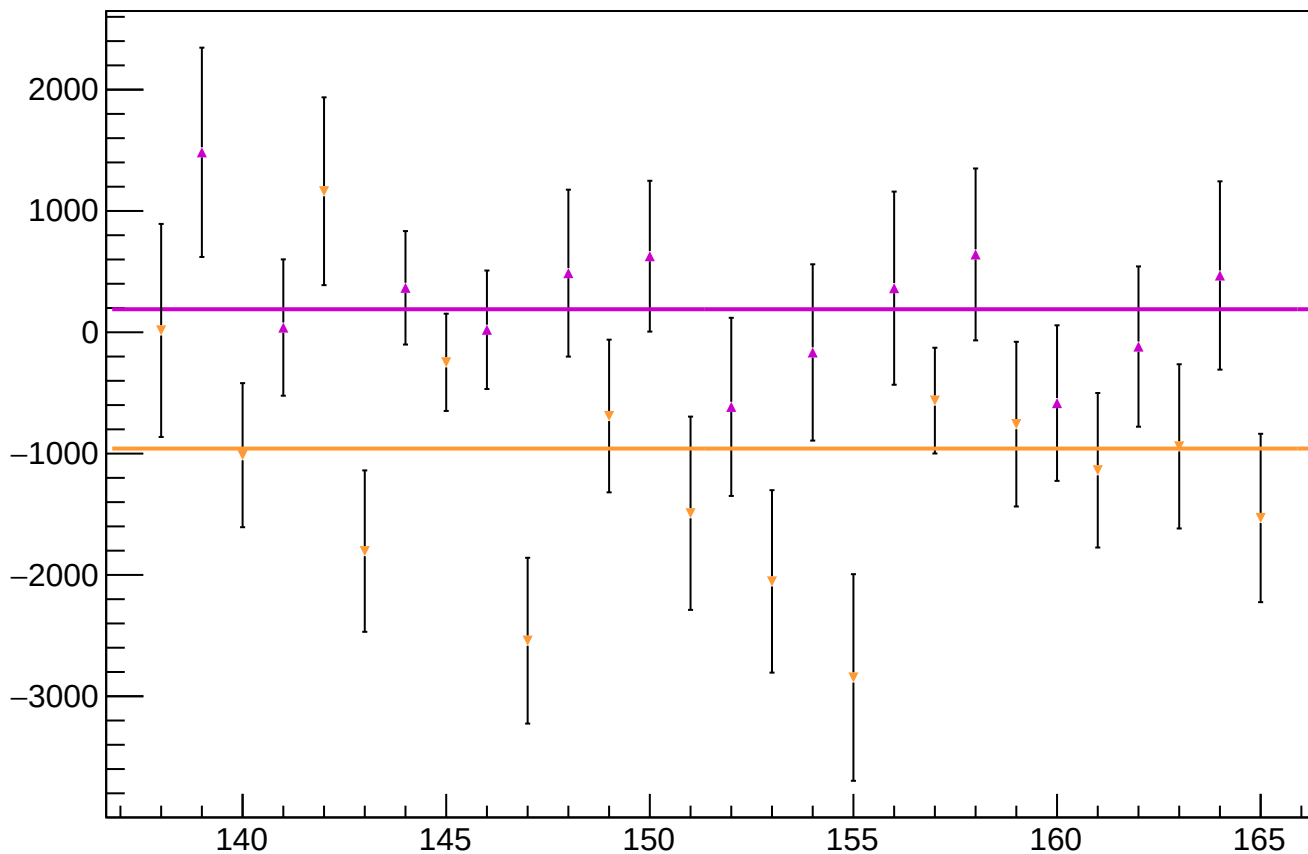
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 80.977+/-0.018 χ^2/NDF :246424.8/12

Out: 80.888+/-0.017 χ^2/NDF :360679.1/14

All: 80.931+/-0.013 χ^2/NDF : 607116.4/27

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -958.437+/-162.567 χ^2/NDF :28.2/14

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

Left In: 189.977+/-177.660 χ^2/NDF :7.0/12

Left: -435.075+/-119.933 χ^2/NDF : 57.9/27

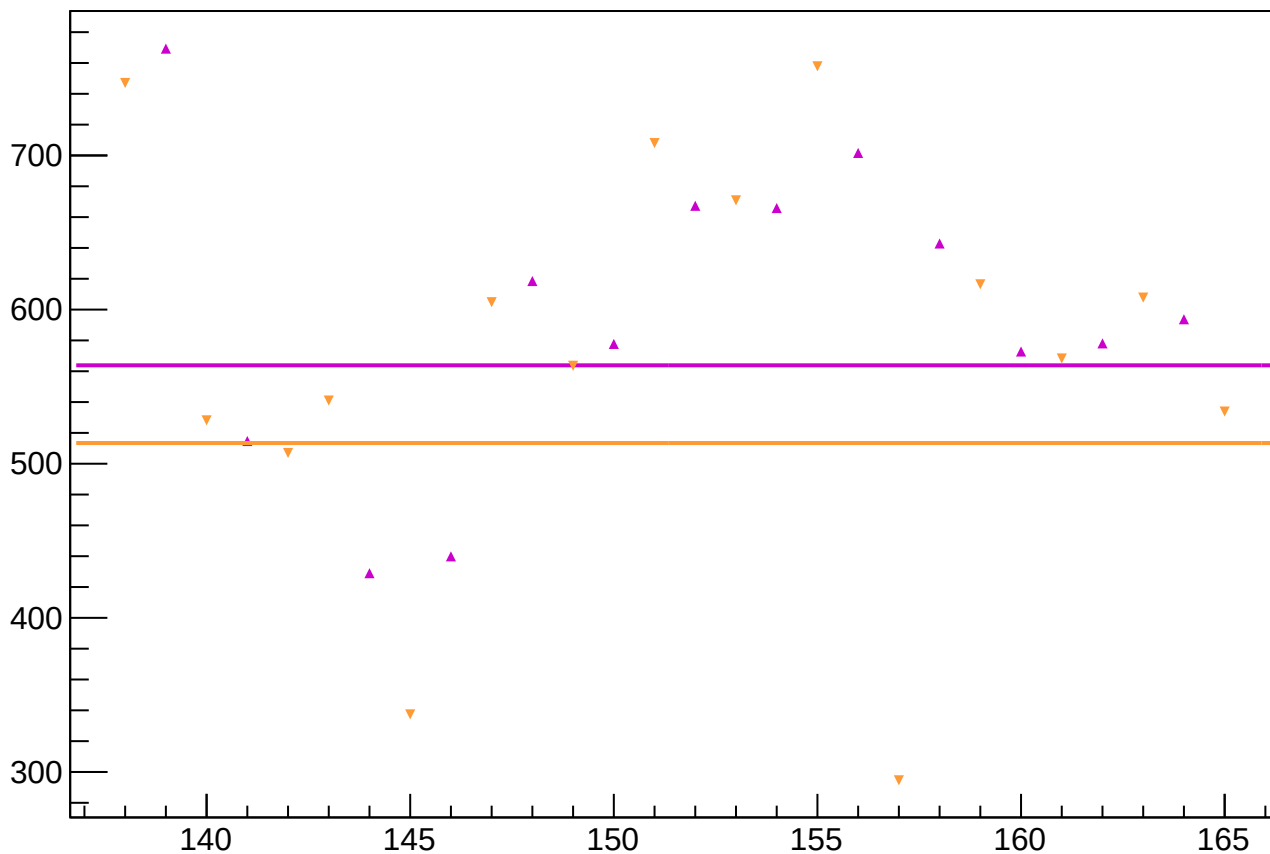
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 189.977+/-177.660 χ^2/NDF :7.0/12

Out: -958.437+/-162.567 χ^2/NDF :28.2/14

All: -435.075+/-119.933 χ^2/NDF : 57.9/27

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 513.427+/-0.115 χ^2/NDF :1558138.6/14

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

Left In: 563.848+/-0.126 χ^2/NDF :605901.9/12

Left: 536.405+/-0.085 χ^2/NDF : 2251717.8/27

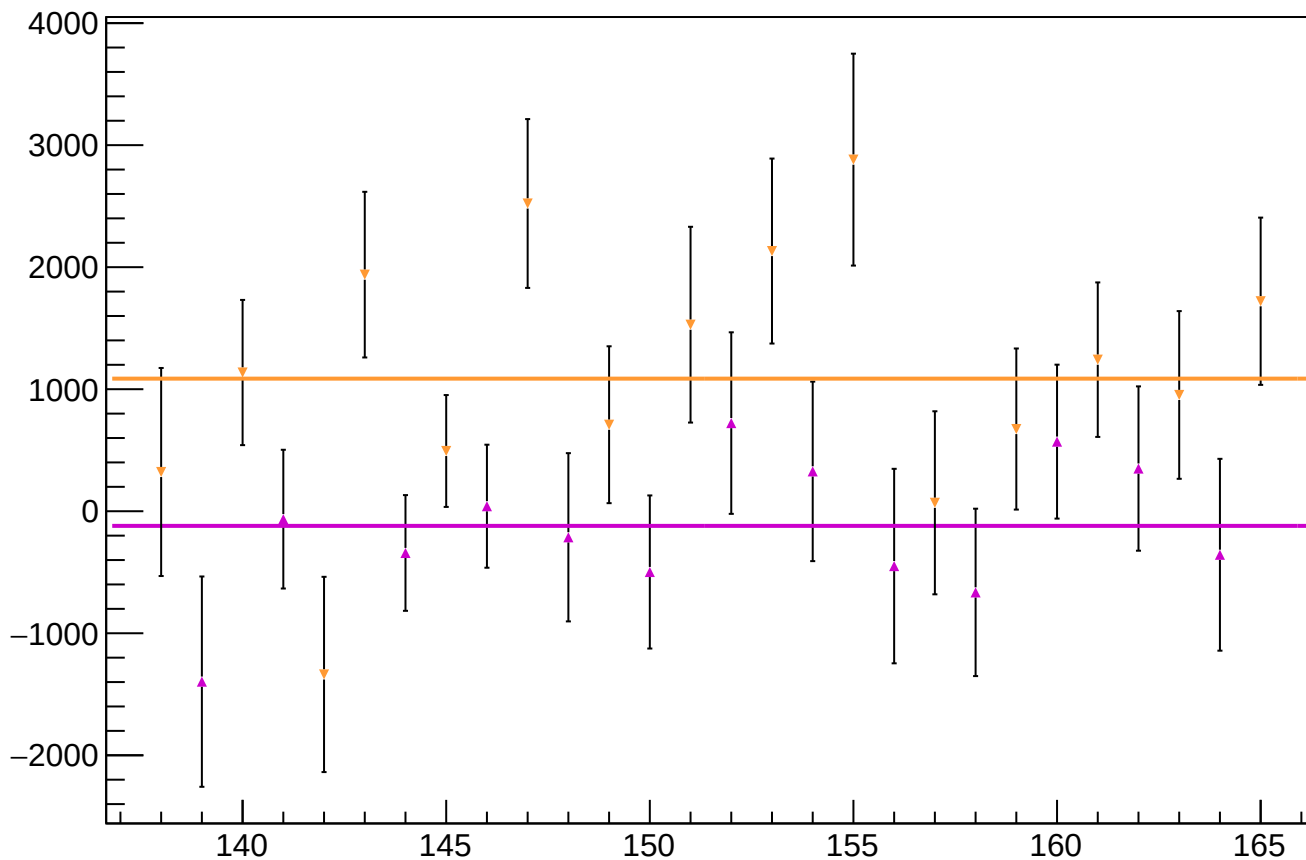
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 563.848+/-0.126 χ^2/NDF :605901.9/12

Out: 513.427+/-0.115 χ^2/NDF :1558138.6/14

All: 536.405+/-0.085 χ^2/NDF : 2251717.8/27

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 1086.630+/-175.043 χ^2/NDF :27.6/14

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

Left In: -120.000+/-179.142 χ^2/NDF :7.1/12

Left: 497.278+/-125.198 χ^2/NDF : 57.9/27

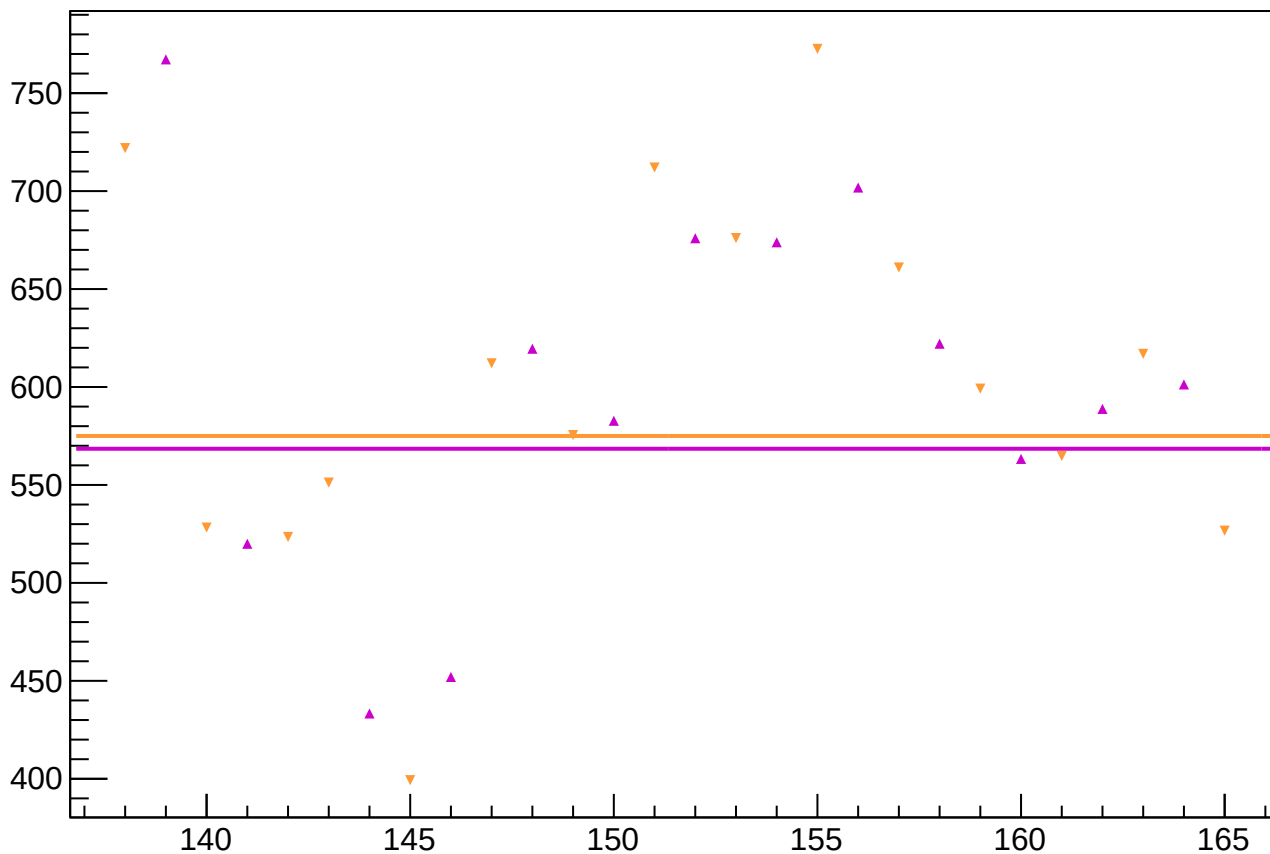
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -120.000+/-179.142 χ^2/NDF :7.1/12

Out: 1086.630+/-175.043 χ^2/NDF :27.6/14

All: 497.278+/-125.198 χ^2/NDF : 57.9/27

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 575.002±/-0.124 χ^2/NDF :626468.6/14

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

Left In: 568.477±/-0.127 χ^2/NDF :558603.2/12

Left: 571.815±/-0.089 χ^2/NDF : 1186429.3/27

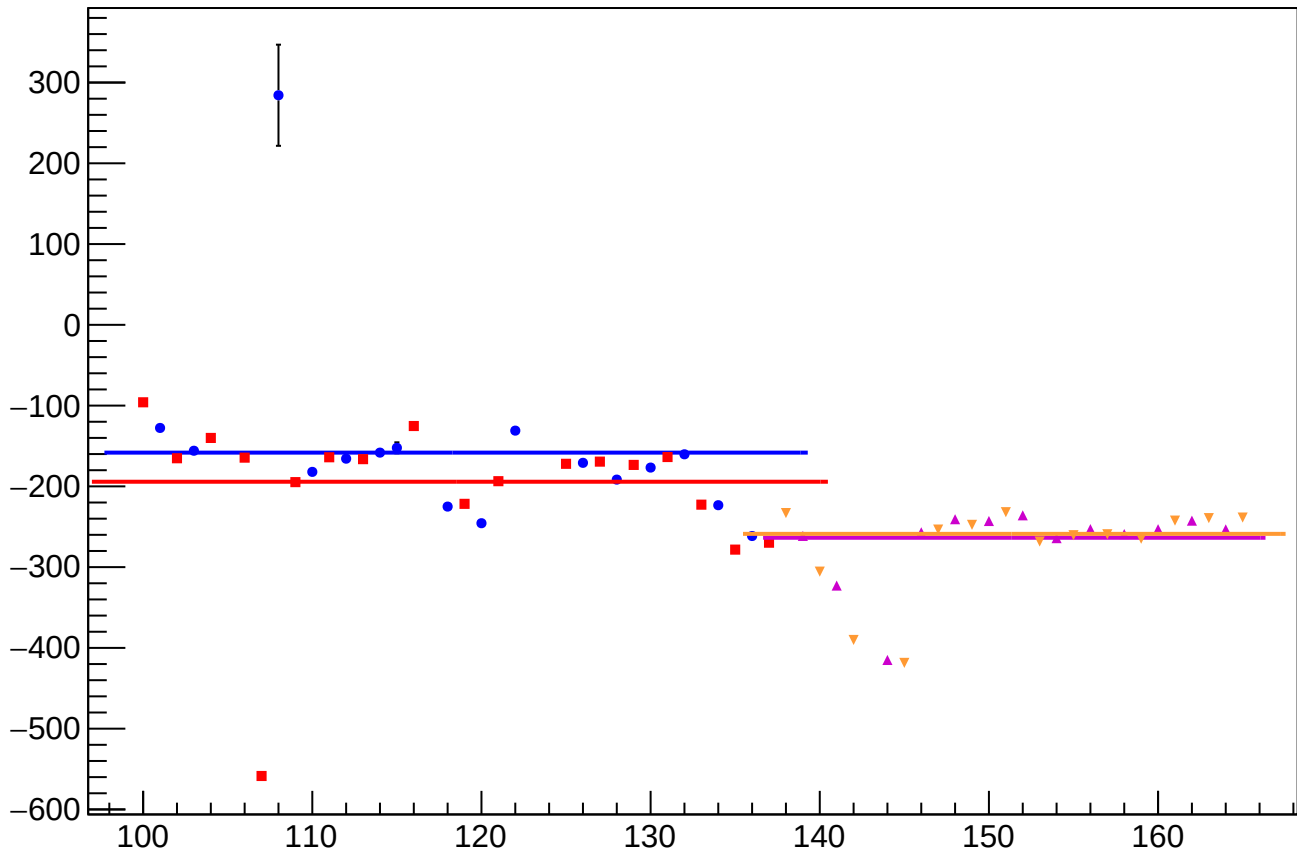
Right: 0.000±/-0.000 χ^2/NDF : 0.0/0

In: 568.477±/-0.127 χ^2/NDF :558603.2/12

Out: 575.002±/-0.124 χ^2/NDF :626468.6/14

All: 571.815±/-0.089 χ^2/NDF : 1186429.3/27

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222 ± 0.000 $\chi^2/\text{NDF}: 117166.2/15$

Left Out: -258.809 ± 0.151 $\chi^2/\text{NDF}: 31259.9/13$

Right Out: -194.268 ± 0.165 $\chi^2/\text{NDF}: 176560.4/17$

Left In: -263.636 ± 0.167 $\chi^2/\text{NDF}: 46171.8/12$

Left: -260.989 ± 0.112 $\chi^2/\text{NDF}: 77892.6/26$

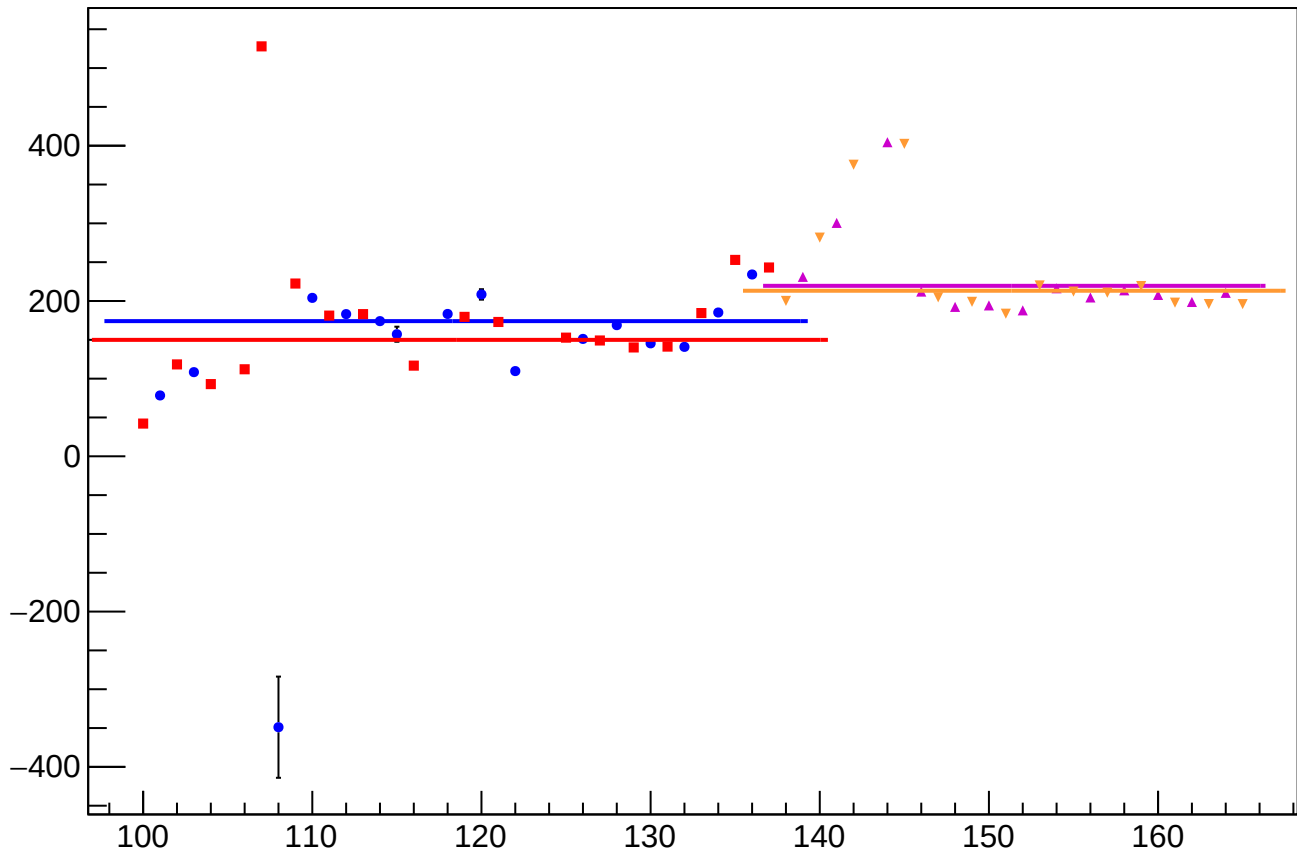
Right: -158.222 ± 0.000 $\chi^2/\text{NDF}: 341369.6/33$

In: -158.222 ± 0.000 $\chi^2/\text{NDF}: 564117.8/28$

Out: -229.390 ± 0.111 $\chi^2/\text{NDF}: 290938.7/31$

All: -158.222 ± 0.000 $\chi^2/\text{NDF}: 1262506.8/60$

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 53377.4/15

Left Out: 213.207 $\pm$ 0.150 χ^2 /NDF: 37804.1/13

Right Out: 149.948 $\pm$ 0.196 χ^2 /NDF: 167846.4/17

Left In: 219.548 $\pm$ 0.168 χ^2 /NDF: 64112.0/12

Left: 216.033 $\pm$ 0.112 χ^2 /NDF: 102707.2/26

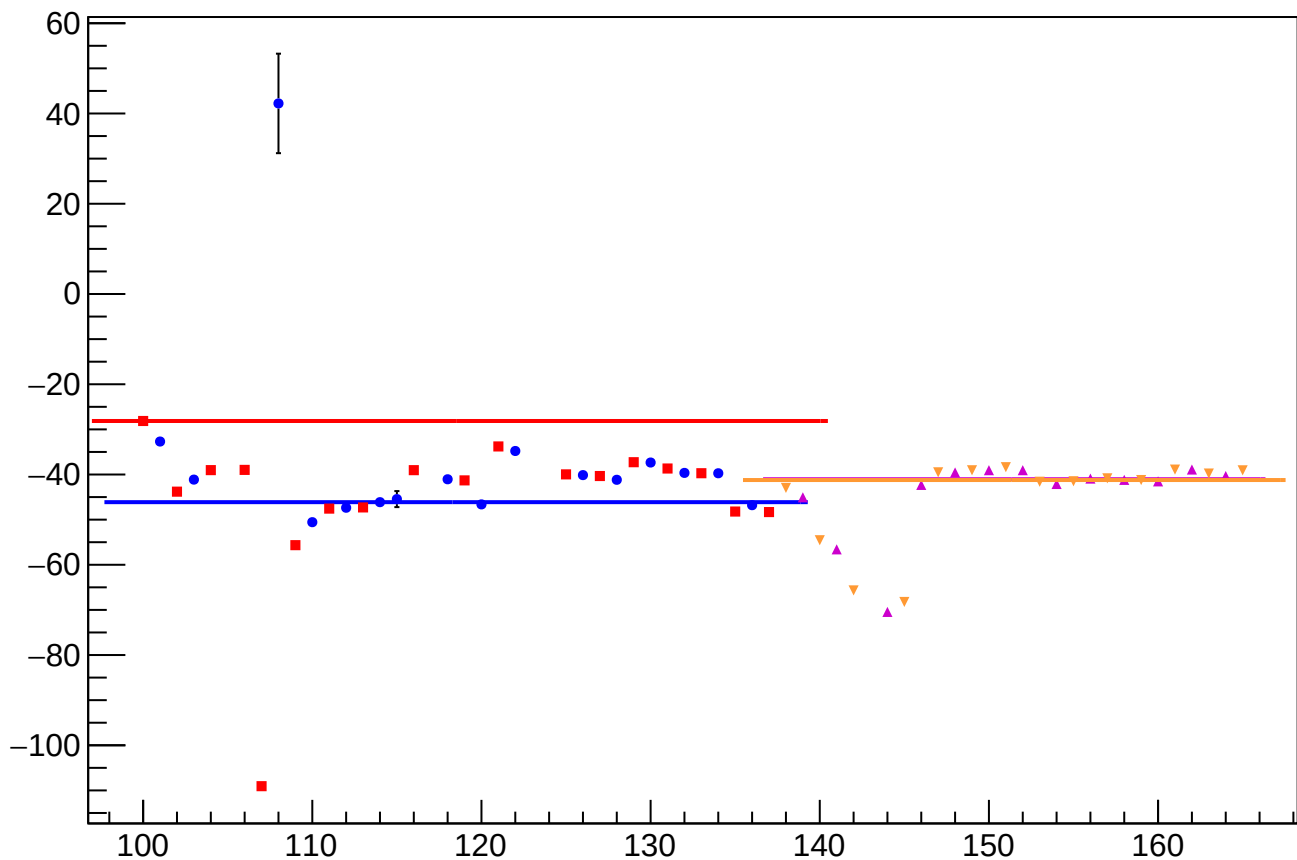
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 236460.5/33

In: 174.085 $\pm$ 0.000 χ^2 /NDF: 190877.7/28

Out: 189.675 $\pm$ 0.119 χ^2 /NDF: 271376.3/31

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 479341.7/60

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126+/-0.000 χ^2/NDF : 201273.7/15

Left Out: -41.223+/-0.008 χ^2/NDF : 90591.9/13

Right Out: -28.139+/-0.000 χ^2/NDF : 746939.9/17

Left In: -41.041+/-0.009 χ^2/NDF : 161043.8/12

Left: -41.145+/-0.006 χ^2/NDF : 251854.4/26

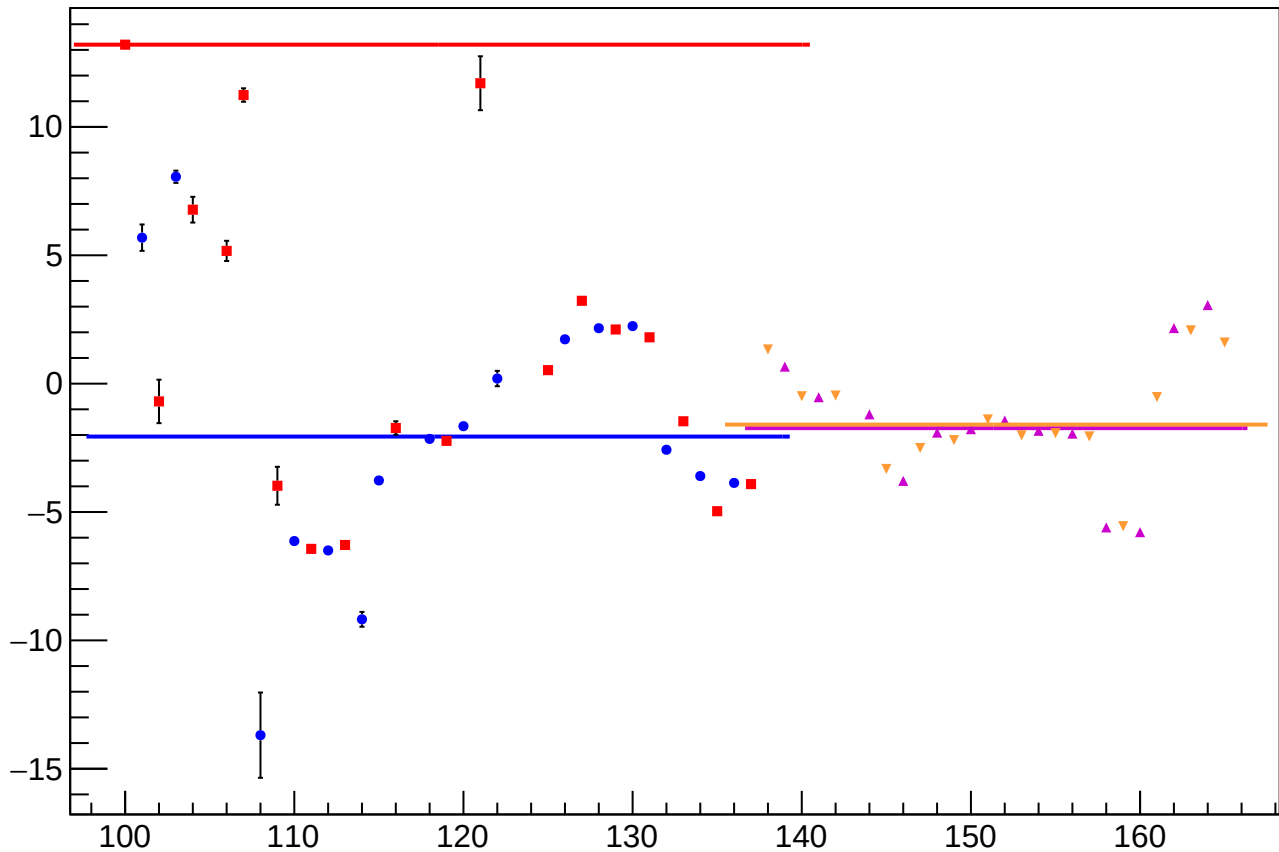
Right: -39.778+/-0.000 χ^2/NDF : 248795993231659

In: -46.126+/-0.000 χ^2/NDF : 659932.7/28

Out: -28.139+/-0.000 χ^2/NDF : 3432122.3/31

All: -39.778+/-0.000 χ^2/NDF : 248795993231

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -2.061 ± 0.018 $\chi^2/\text{NDF}: 25665.1/15$

Left Out: -1.594 ± 0.009 $\chi^2/\text{NDF}: 70497.7/13$

Right Out: 13.204 ± 0.000 $\chi^2/\text{NDF}: 509721.0/17$

Left In: -1.733 ± 0.007 $\chi^2/\text{NDF}: 96108.0/12$

Left: -1.677 ± 0.005 $\chi^2/\text{NDF}: 166762.5/26$

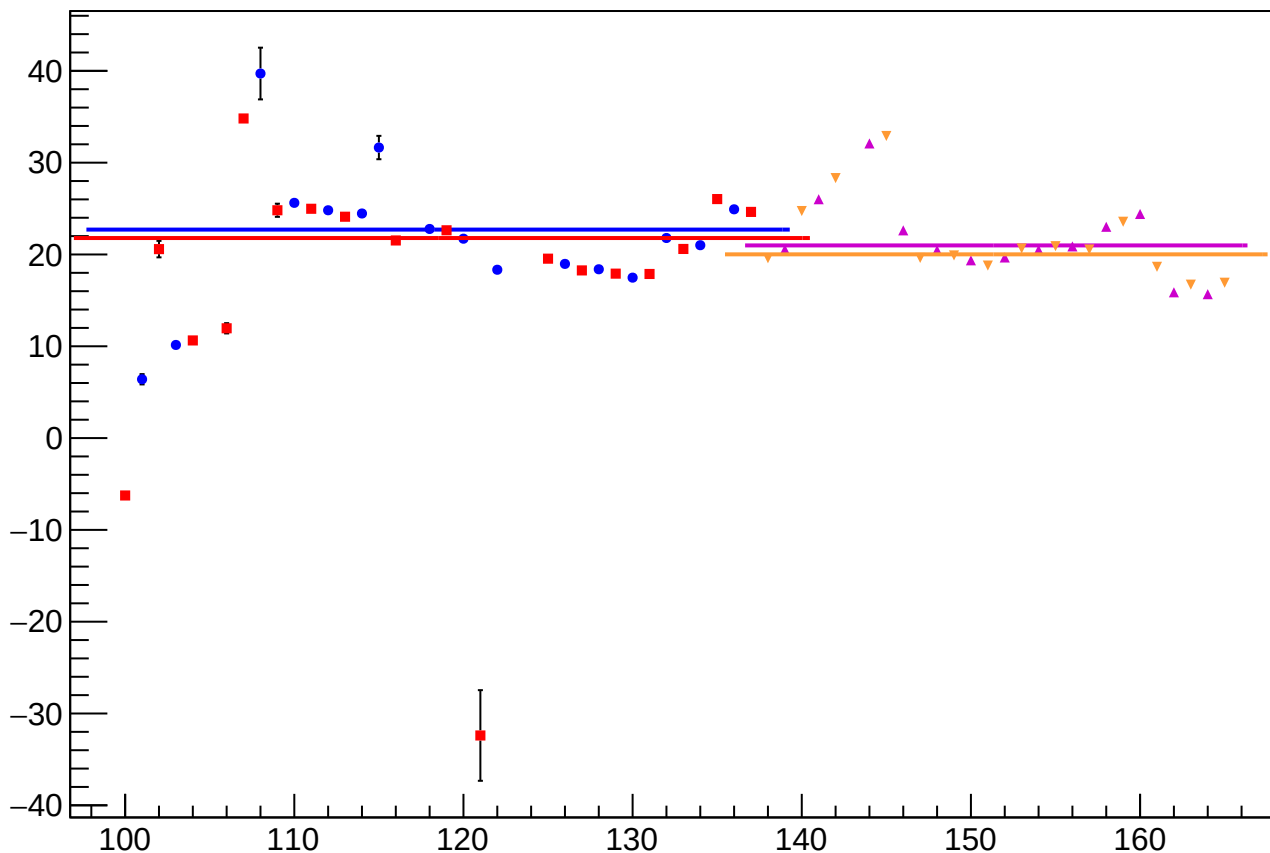
Right: 13.204 ± 0.000 $\chi^2/\text{NDF}: 1268800.5/33$

In: -1.778 ± 0.007 $\chi^2/\text{NDF}: 122065.2/28$

Out: 13.204 ± 0.000 $\chi^2/\text{NDF}: 3558419.0/31$

All: 13.204 ± 0.000 $\chi^2/\text{NDF}: 8895645.5/60$

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.711 $\pm$ 0.019 χ^2 /NDF: 22767.9/15

Left Out: 20.014 $\pm$ 0.010 χ^2 /NDF: 50268.2/13

Right Out: 21.790 $\pm$ 0.022 χ^2 /NDF: 26670.9/17

Left In: 20.987 $\pm$ 0.009 χ^2 /NDF: 79450.0/12

Left: 20.571 $\pm$ 0.007 χ^2 /NDF: 135078.9/26

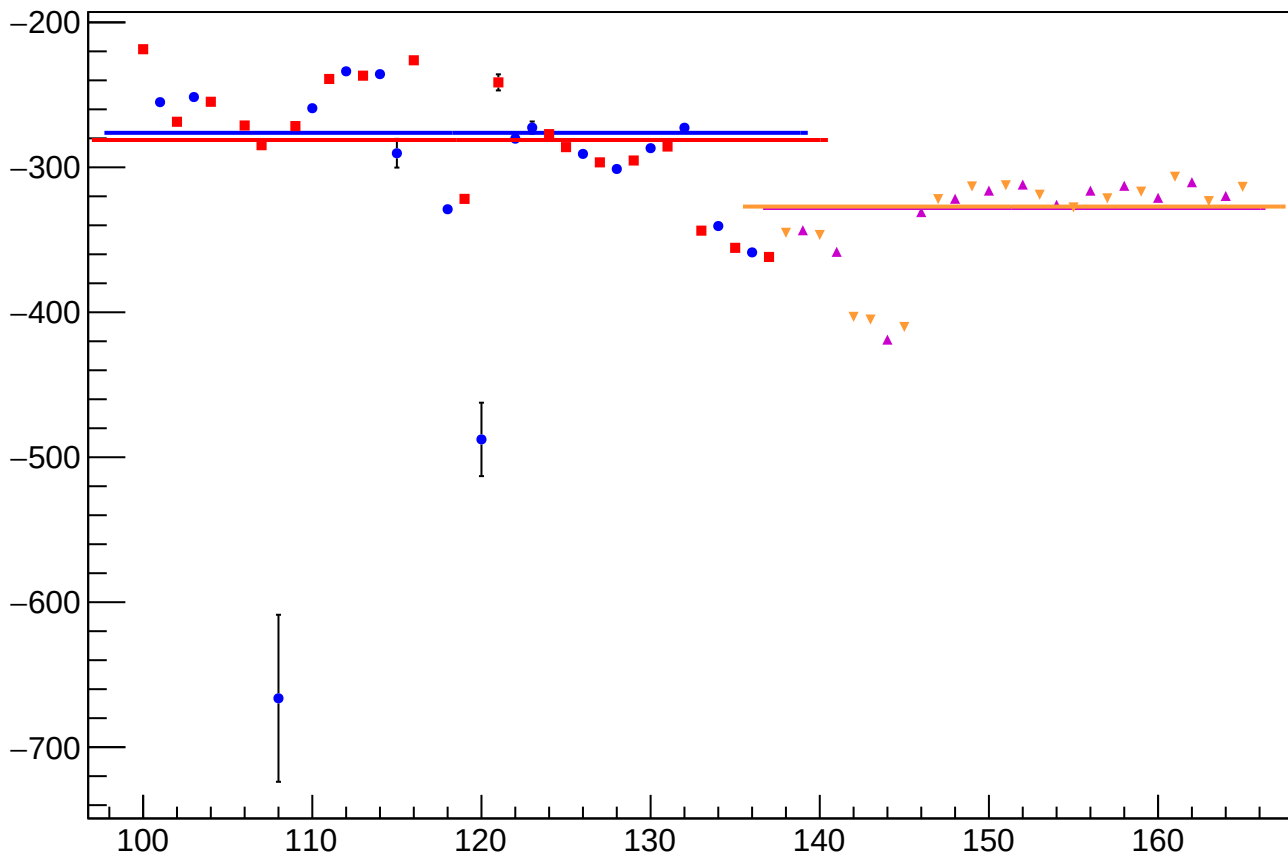
Right: 22.313 $\pm$ 0.014 χ^2 /NDF: 50478.1/33

In: 21.292 $\pm$ 0.008 χ^2 /NDF: 109170.7/28

Out: 20.332 $\pm$ 0.009 χ^2 /NDF: 82531.8/31

All: 20.881 $\pm$ 0.006 χ^2 /NDF: 198037.9/60

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -276.201+/-0.167 χ^2/NDF : 58107.7/16

Left Out: -327.073+/-0.135 χ^2/NDF : 31193.0/14

Right Out: -281.150+/-0.148 χ^2/NDF : 77611.5/18

Left In: -328.043+/-0.119 χ^2/NDF : 37799.4/12

Left: -327.619+/-0.089 χ^2/NDF : 69021.4/27

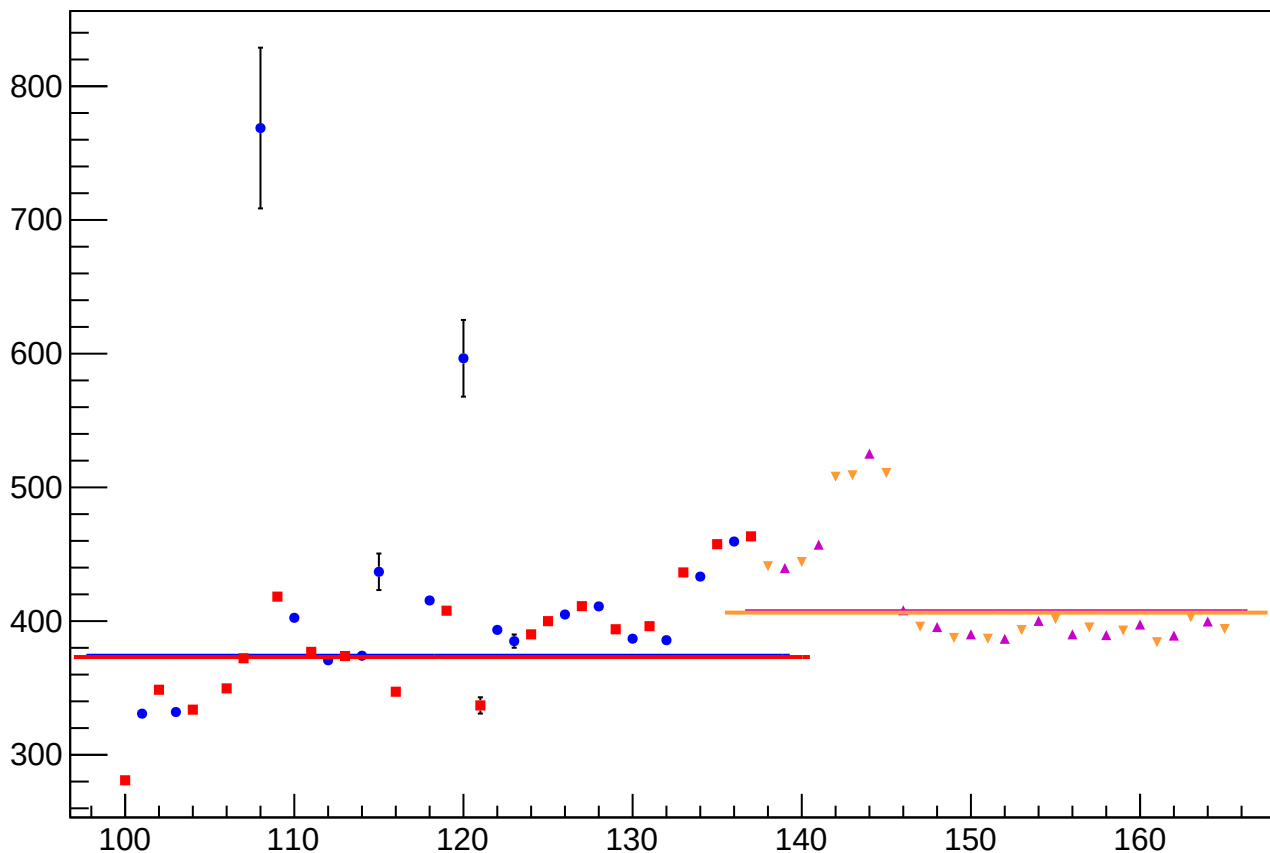
Right: -278.974+/-0.110 χ^2/NDF : 136213.7/35

In: -310.458+/-0.097 χ^2/NDF : 159917.8/29

Out: -306.108+/-0.100 χ^2/NDF : 161448.2/33

All: -308.342+/-0.070 χ^2/NDF : 322343.6/63

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094 $\pm$ 0.000 χ^2 /NDF: 35072.0/16

Left Out: 406.355 $\pm$ 0.136 χ^2 /NDF:52999.9/14

Right Out: 373.134 $\pm$ 0.158 χ^2 /NDF: 108219.4/18

Left In: 407.372 $\pm$ 0.120 χ^2 /NDF:62710.3/12

Left: 406.924 $\pm$ 0.090 χ^2 /NDF: 115741.7/27

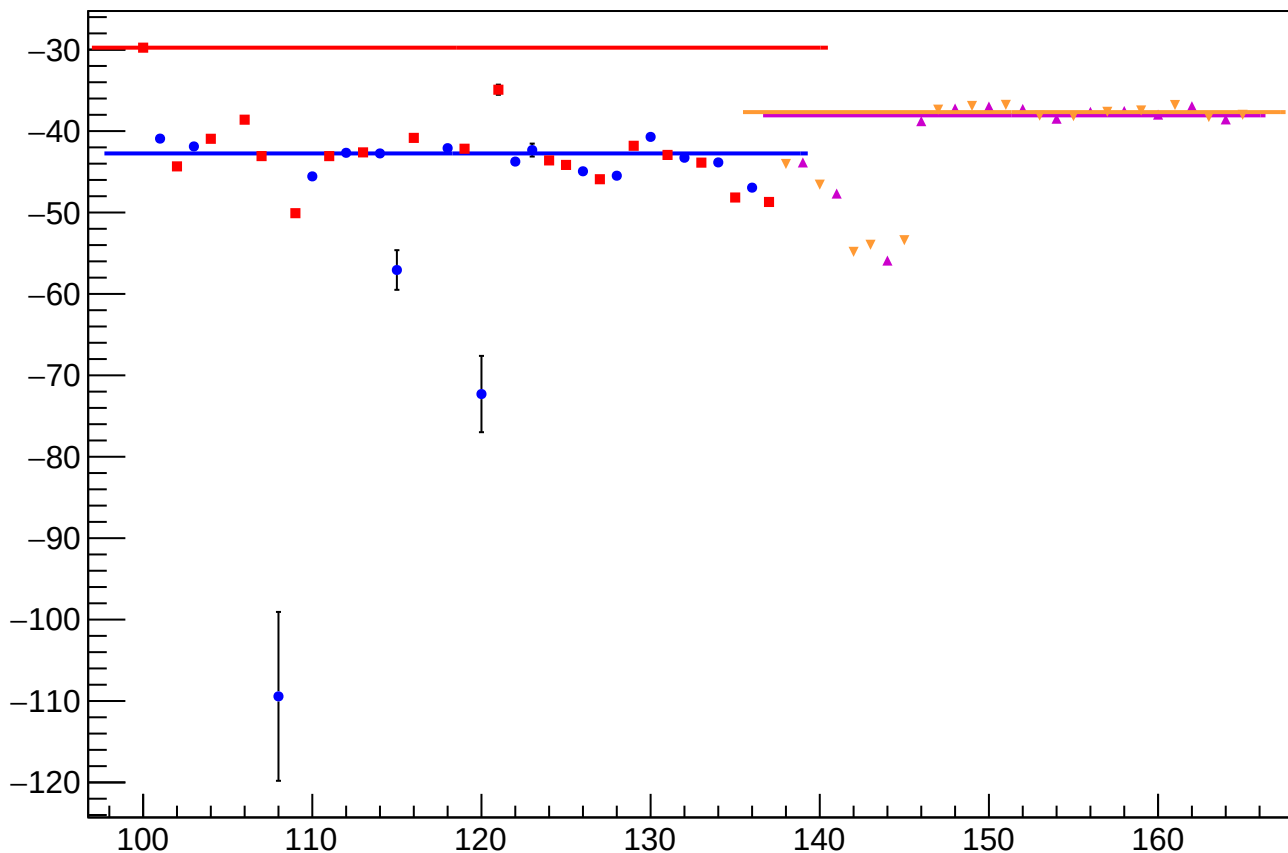
Right: 374.094 $\pm$ 0.000 χ^2 /NDF: 143328.3/35

In: 374.094 $\pm$ 0.000 χ^2 /NDF:174303.2/29

Out: 392.260 $\pm$ 0.103 χ^2 /NDF:186688.1/33

All: 374.094 $\pm$ 0.000 χ^2 /NDF: 392172.5/63

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744+/-0.000 χ^2/NDF : 13262.6/16

Left Out: -37.668+/-0.005 χ^2/NDF : 256548.4/14

Right Out: -29.754+/-0.000 χ^2/NDF : 483930.3/18

Left In: -38.068+/-0.005 χ^2/NDF : 148616.3/12

Left: -37.856+/-0.003 χ^2/NDF : 408731.1/27

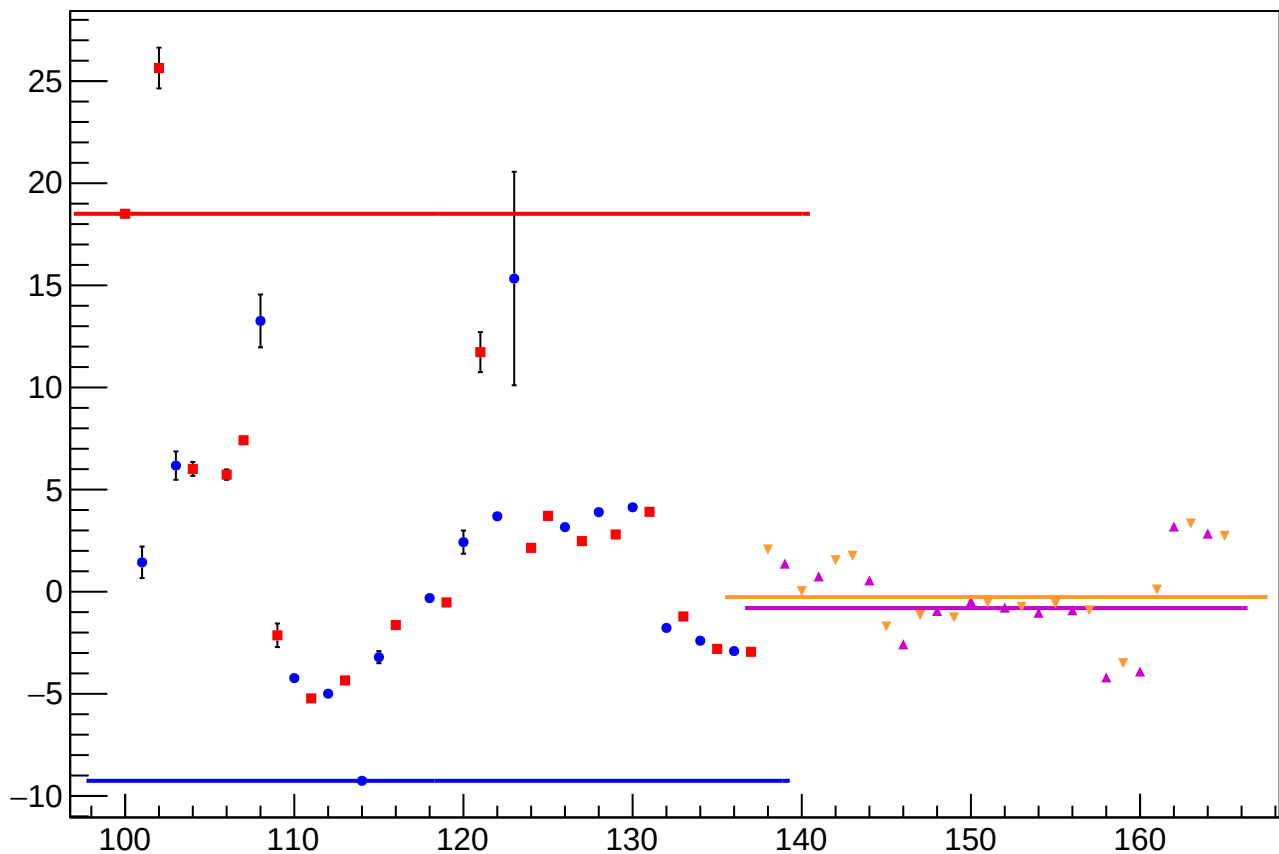
Right: -38.159+/-0.000 χ^2/NDF : 129765212680709

In: -42.744+/-0.000 χ^2/NDF : 1082594.4/29

Out: -29.754+/-0.000 χ^2/NDF : 3708925.2/33

All: -38.159+/-0.000 χ^2/NDF : 129765212680

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 χ^2/NDF : 405850.5/16

Left Out: -0.262 ± 0.007 χ^2/NDF : 71715.1/14

Right Out: 18.504 ± 0.000 χ^2/NDF : 7366781.0/18

Left In: -0.800 ± 0.007 χ^2/NDF : 75451.3/12

Left: -0.538 ± 0.005 χ^2/NDF : 149833.3/27

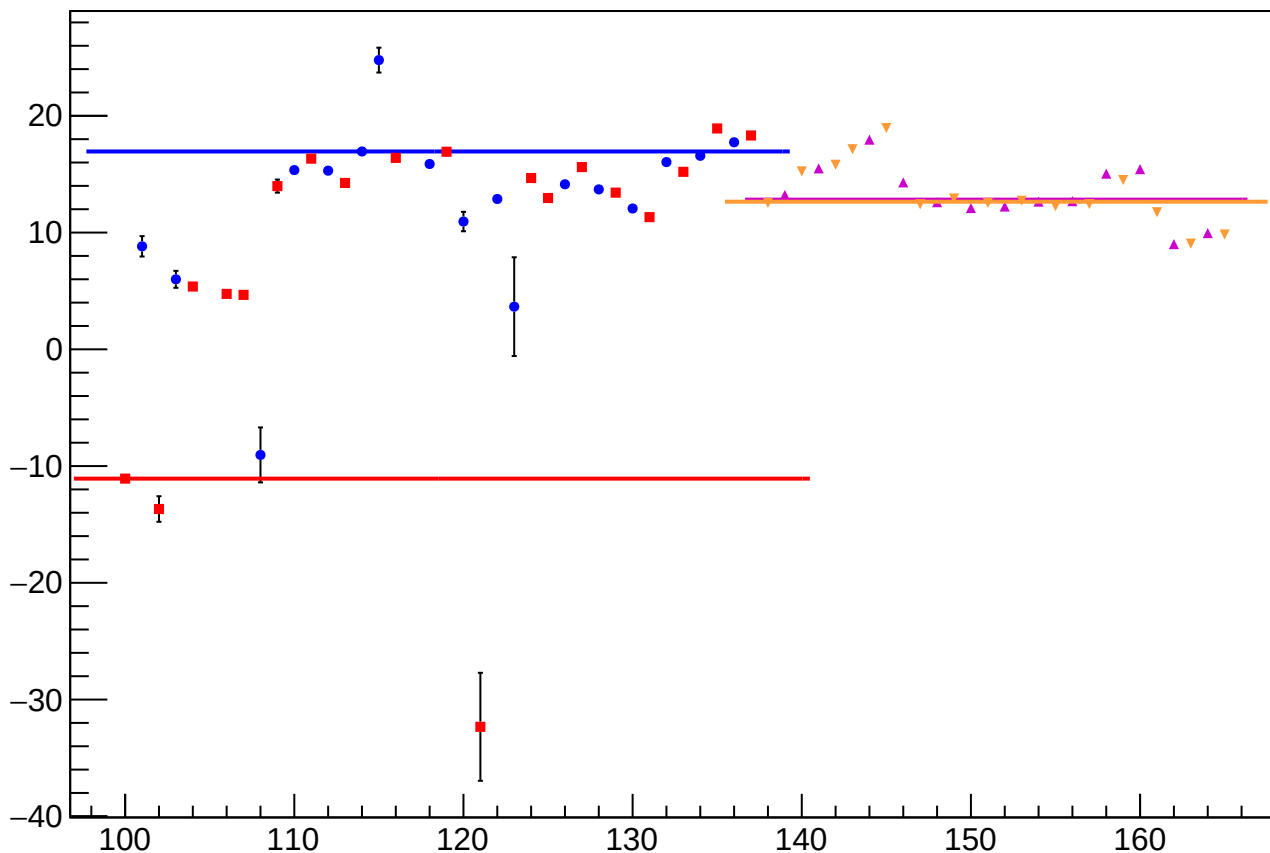
Right: 6.039 ± 0.000 χ^2/NDF : 16450574505955581

In: -9.259 ± 0.000 χ^2/NDF : 1833132.2/29

Out: 18.504 ± 0.000 χ^2/NDF : 13746073.7/33

All: 6.039 ± 0.000 χ^2/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: 12.645 $\pm$ 0.009 χ^2 /NDF:35540.4/14

Right Out: -11.075 $\pm$ 0.000 χ^2 /NDF: 2712010.0/18

Left In: 12.822 $\pm$ 0.010 χ^2 /NDF:33811.2/12

Left: 12.725 $\pm$ 0.007 χ^2 /NDF: 69518.7/27

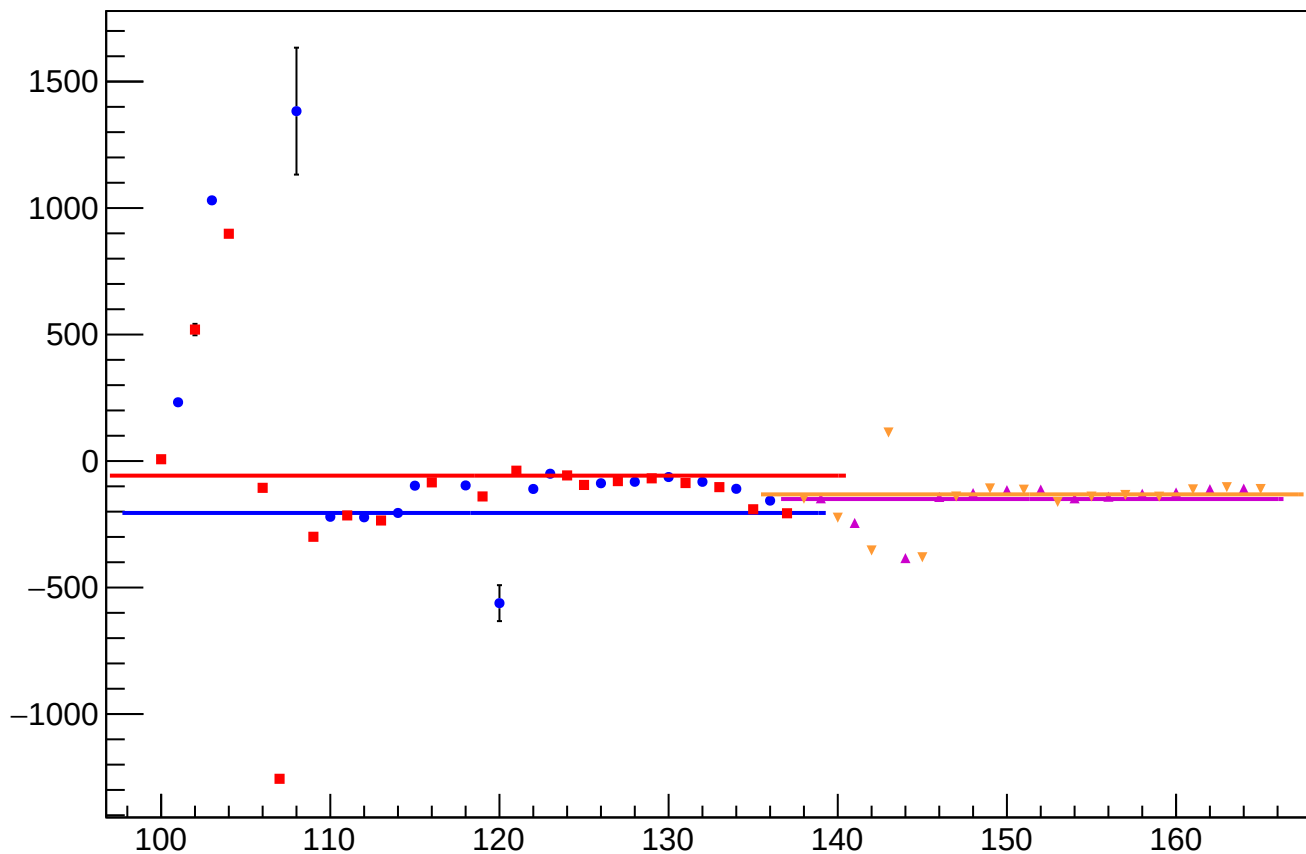
Right: -2.268 $\pm$ 0.000 χ^2 /NDF: 4692527454635666

In: 16.947 $\pm$ 0.000 χ^2 /NDF:211171.5/29

Out: -11.075 $\pm$ 0.000 χ^2 /NDF:9373249.8/33

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: -131.698+/-0.261 χ^2/NDF : 44861.5/14

Right Out: -57.684+/-0.283 χ^2/NDF : 114854.9/18

Left In: -150.220+/-0.316 χ^2/NDF : 41978.3/12

Left: -139.207+/-0.201 χ^2/NDF : 88881.2/27

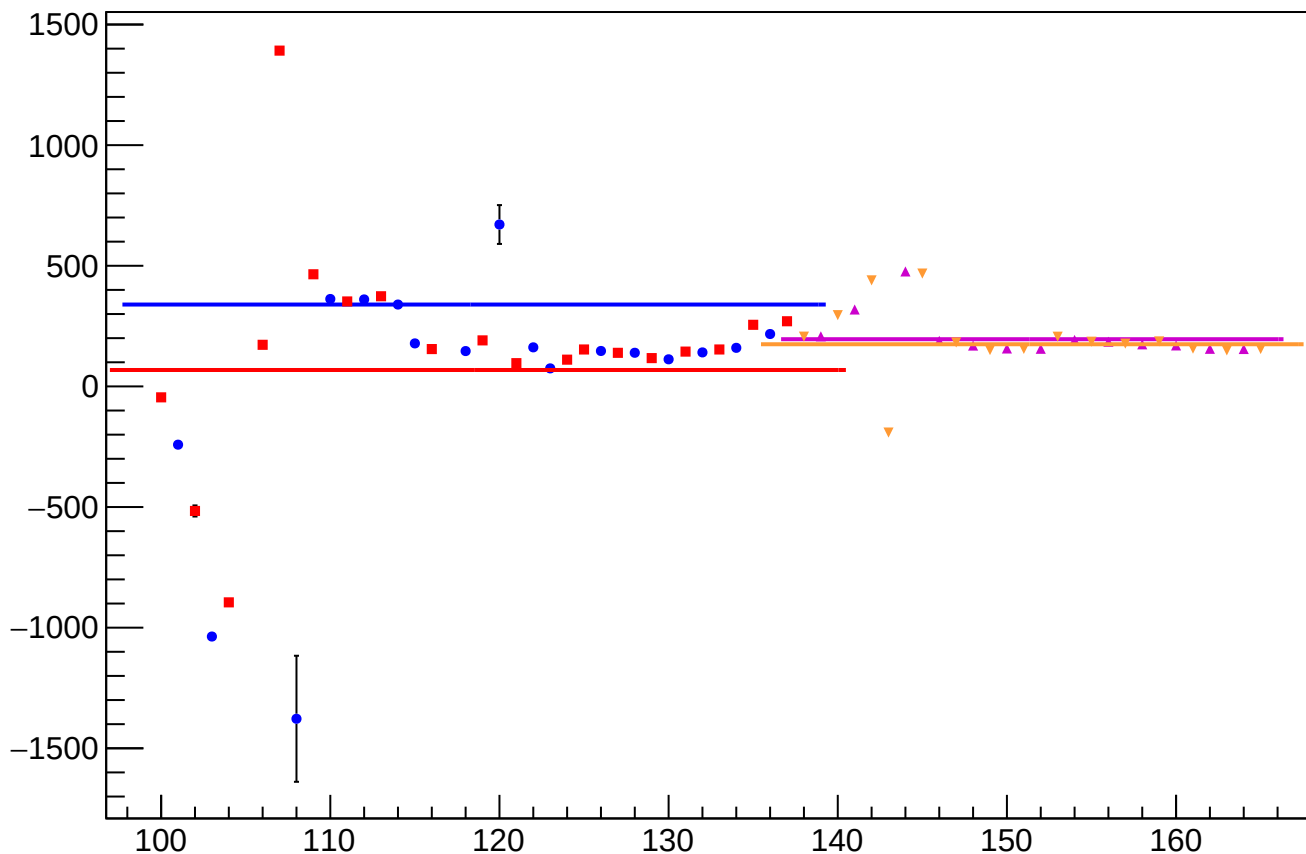
Right: -205.160+/-0.000 χ^2/NDF : 968522.3/35

In: -205.160+/-0.000 χ^2/NDF : 654961.5/29

Out: -97.721+/-0.192 χ^2/NDF : 196625.3/33

All: -205.160+/-0.000 χ^2/NDF : 1164776.4/63

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000 χ^2/NDF : 1030606.3/16

Left Out: 174.727+/-0.262 χ^2/NDF : 80459.7/14

Right Out: 68.024+/-0.286 χ^2/NDF : 272330.9/18

Left In: 195.665+/-0.320 χ^2/NDF : 48473.6/12

Left: 183.123+/-0.203 χ^2/NDF : 131498.5/27

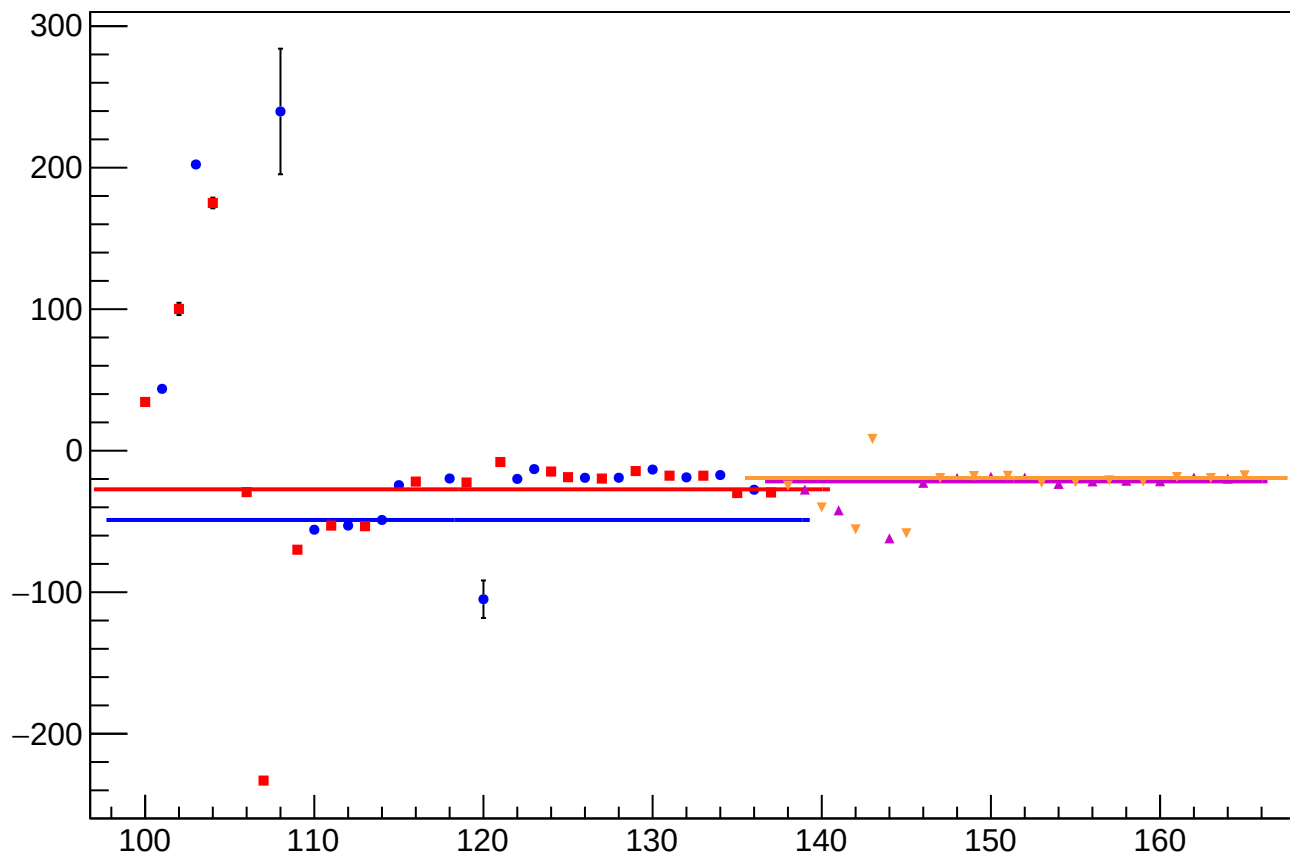
Right: 339.325+/-0.000 χ^2/NDF : 2202286.8/35

In: 339.325+/-0.000 χ^2/NDF : 1280691.8/29

Out: 126.100+/-0.193 χ^2/NDF : 428509.8/33

All: 339.325+/-0.000 χ^2/NDF : 2928199.3/63

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945 ± 0.000 $\chi^2/\text{NDF}: 5408370.4/16$

Left Out: -19.291 ± 0.013 $\chi^2/\text{NDF}: 564656.6/14$

Right Out: -27.303 ± 0.052 $\chi^2/\text{NDF}: 167879.9/18$

Left In: -21.672 ± 0.017 $\chi^2/\text{NDF}: 124781.3/12$

Left: -20.159 ± 0.010 $\chi^2/\text{NDF}: 701766.0/27$

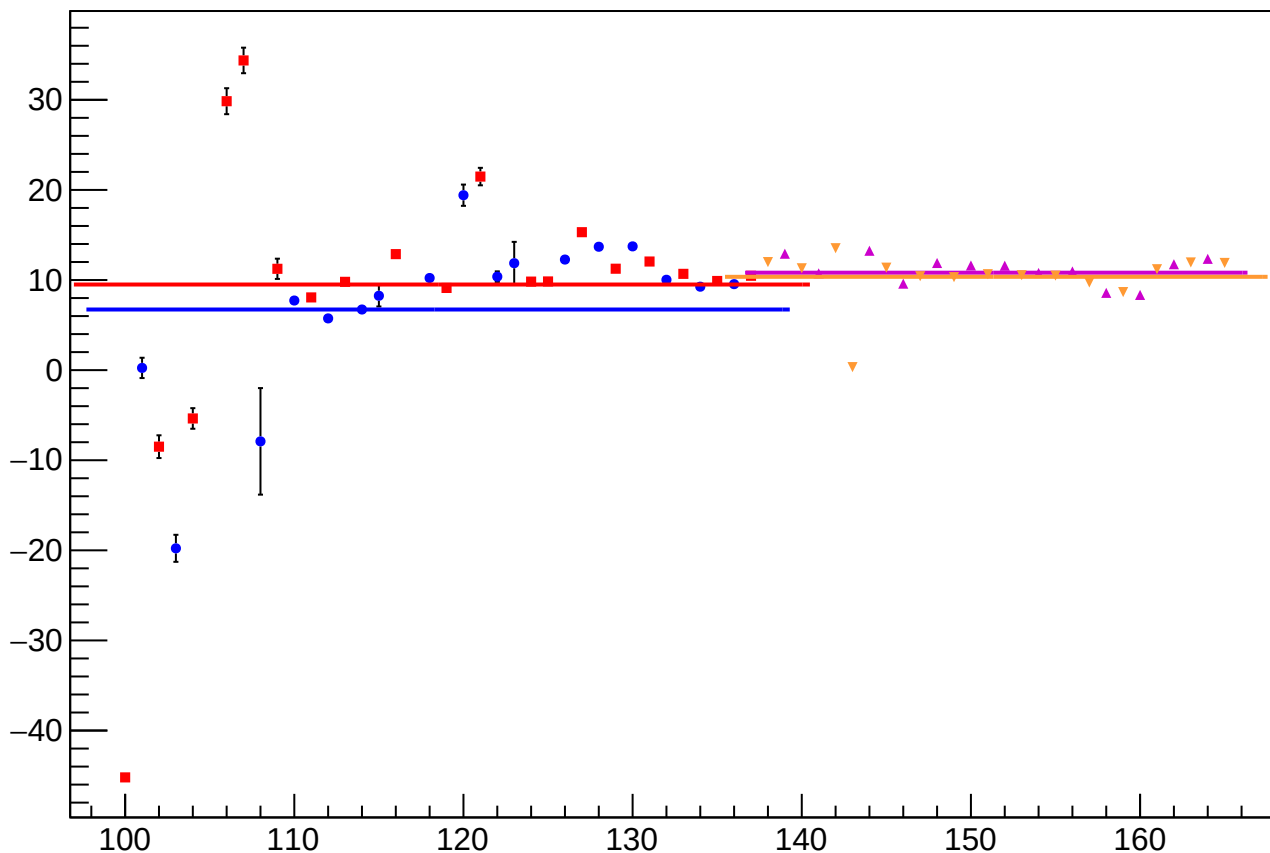
Right: -48.945 ± 0.000 $\chi^2/\text{NDF}: 5751523.0/35$

In: -48.945 ± 0.000 $\chi^2/\text{NDF}: 8078014.8/29$

Out: -19.764 ± 0.013 $\chi^2/\text{NDF}: 755140.9/33$

All: -48.945 ± 0.000 $\chi^2/\text{NDF}: 14230994.9/63$

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 $\pm$ 0.000 χ^2 /NDF: 13749.2/16

Left Out: 10.357 $\pm$ 0.017 χ^2 /NDF:23967.8/14

Right Out: 9.502 $\pm$ 0.036 χ^2 /NDF: 26822.1/18

Left In: 10.815 $\pm$ 0.015 χ^2 /NDF:8702.6/12

Left: 10.617 $\pm$ 0.011 χ^2 /NDF: 33088.8/27

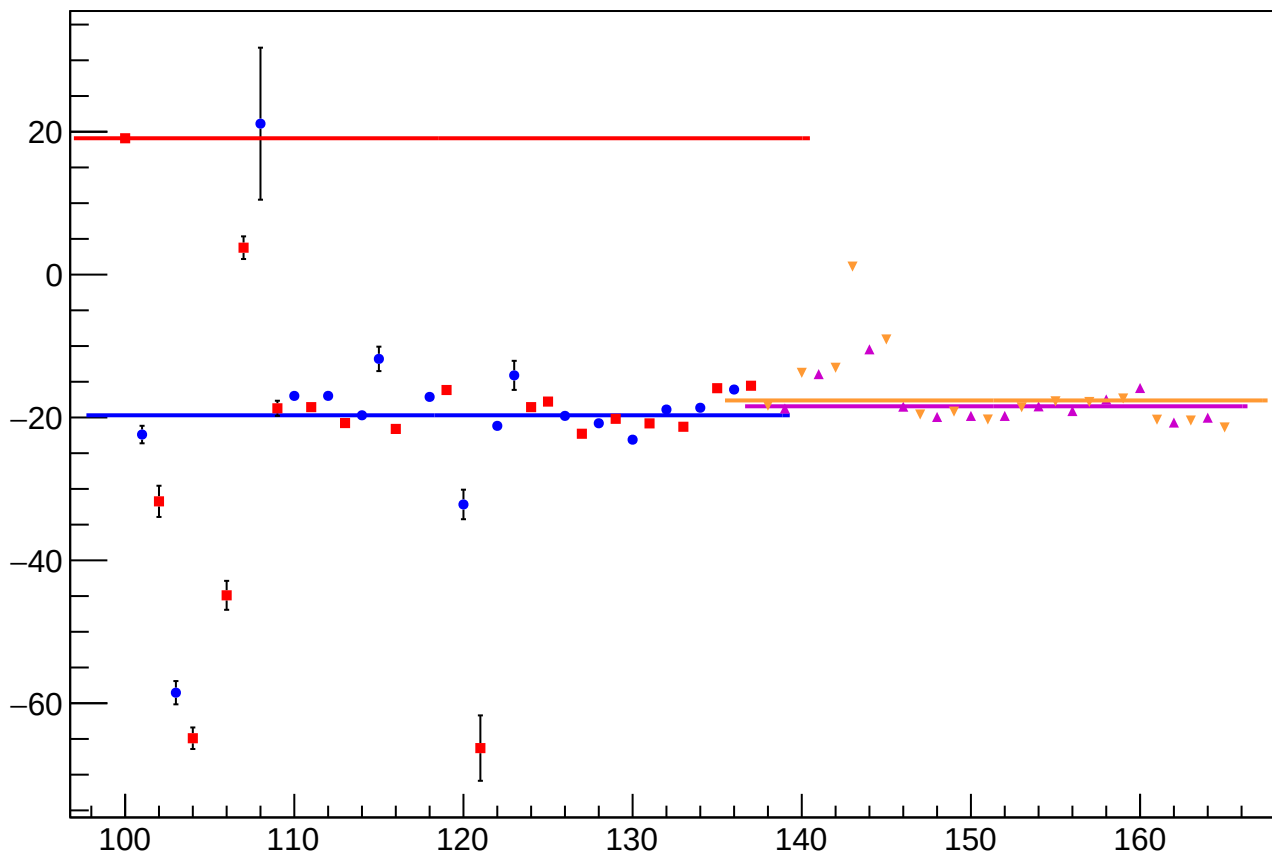
Right: 6.728 $\pm$ 0.000 χ^2 /NDF: 46635.2/35

In: 6.728 $\pm$ 0.000 χ^2 /NDF:99669.5/29

Out: 10.200 $\pm$ 0.015 χ^2 /NDF:51260.0/33

All: 6.728 $\pm$ 0.000 χ^2 /NDF: 202671.6/63

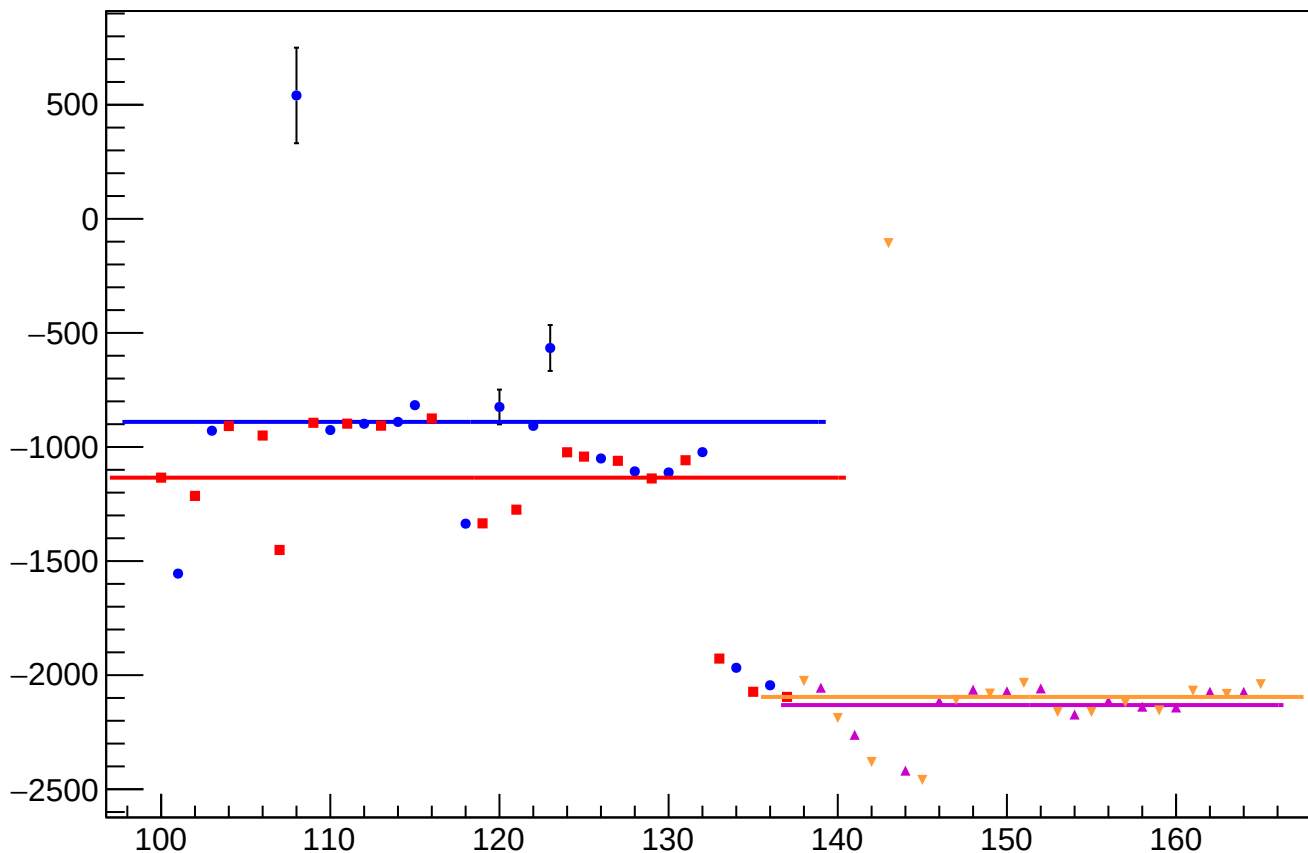
dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 7579.0/16$
 Left Out: -17.615 ± 0.020 $\chi^2/\text{NDF}: 39826.1/14$
 Right Out: 19.086 ± 0.000 $\chi^2/\text{NDF}: 610746.9/18$
 Left In: -18.434 ± 0.020 $\chi^2/\text{NDF}: 7745.3/12$

Left: -18.032 ± 0.014 $\chi^2/\text{NDF}: 48387.7/27$
 Right: -6.006 ± 0.000 $\chi^2/\text{NDF}: 4625637731292657$
 In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 19250.0/29$
 Out: 19.086 ± 0.000 $\chi^2/\text{NDF}: 3863519.9/33$
 All: -6.006 ± 0.000 $\chi^2/\text{NDF}: 4625637731292$

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928 ± 0.000 $\chi^2/\text{NDF}: 775896.0/16$

Left Out: -2095.506 ± 0.482 $\chi^2/\text{NDF}: 265639.6/14$

Right Out: -1134.421 ± 0.000 $\chi^2/\text{NDF}: 733812.0/18$

Left In: -2131.150 ± 0.486 $\chi^2/\text{NDF}: 33571.4/12$

Left: -2113.170 ± 0.342 $\chi^2/\text{NDF}: 301924.7/27$

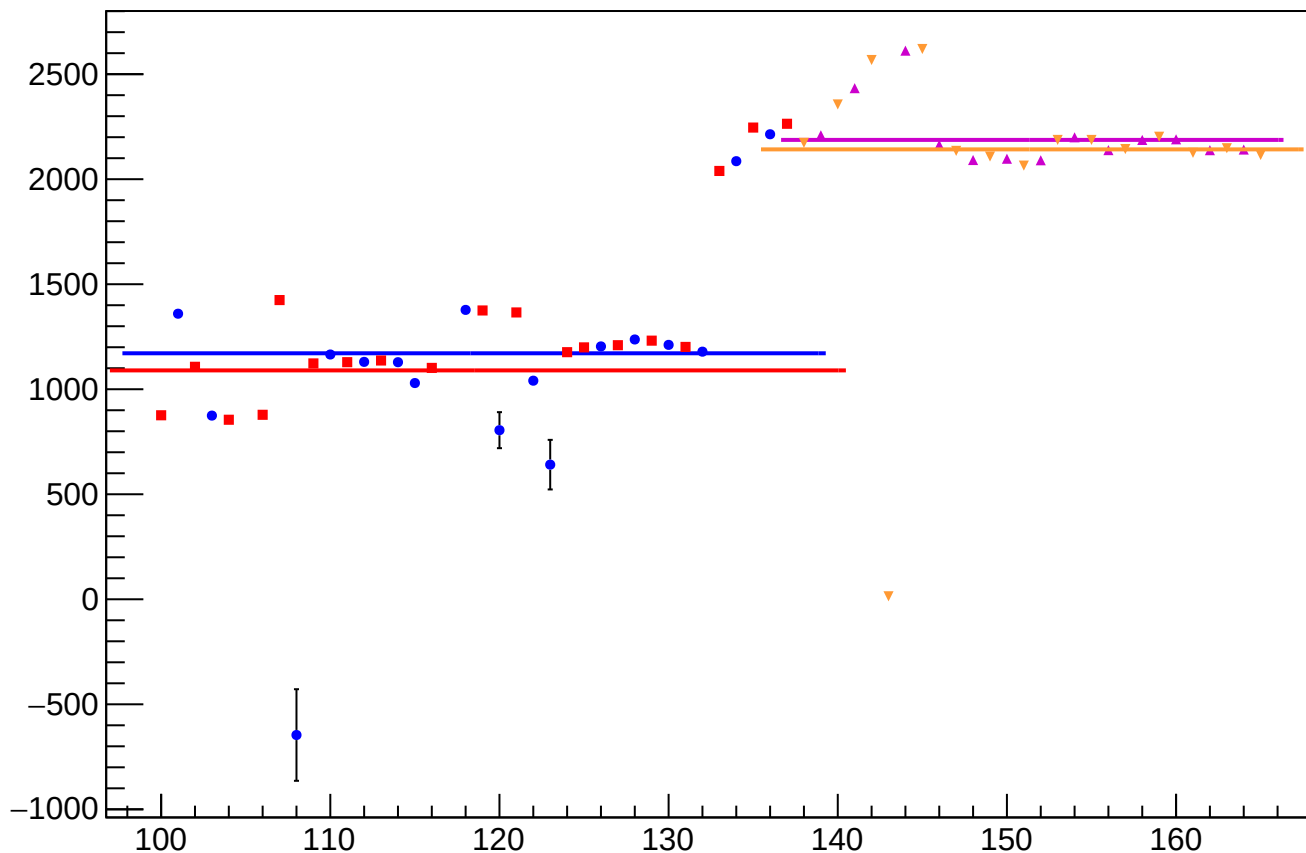
Right: -976.220 ± 0.000 $\chi^2/\text{NDF}: 44889787387498$

In: -889.928 ± 0.000 $\chi^2/\text{NDF}: 7333309.0/29$

Out: -1134.421 ± 0.000 $\chi^2/\text{NDF}: 4980546.6/33$

All: -976.220 ± 0.000 $\chi^2/\text{NDF}: 44889787387$

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1171.188 $\pm$ 0.245 χ^2 /NDF: 508989.2/16

Left Out: 2141.992 $\pm$ 0.478 χ^2 /NDF:303179.8/14

Right Out: 1089.705 $\pm$ 0.253 χ^2 /NDF: 1100321.6/18

Left In: 2187.116 $\pm$ 0.488 χ^2 /NDF:56928.3/12

Left: 2164.069 $\pm$ 0.342 χ^2 /NDF: 364471.0/27

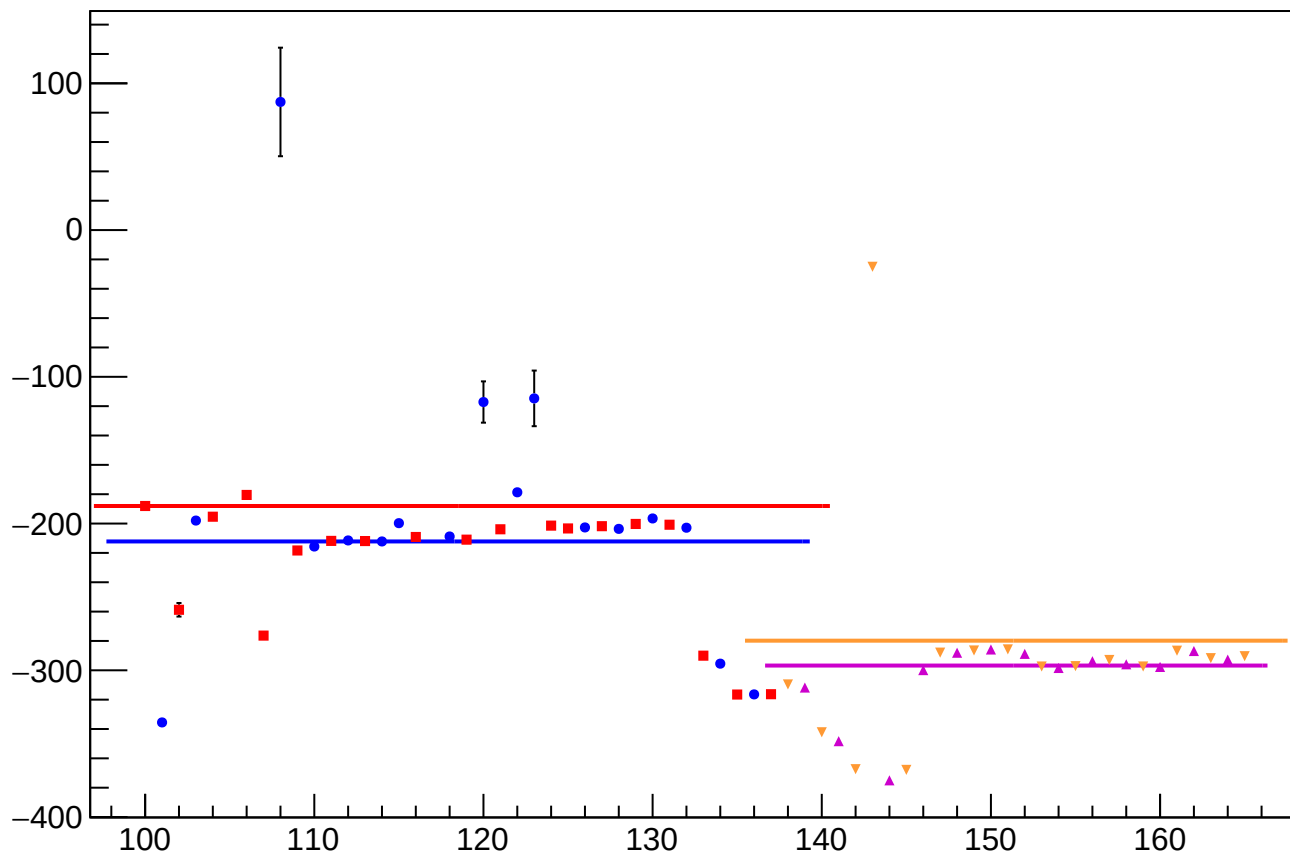
Right: 1131.764 $\pm$ 0.176 χ^2 /NDF: 1662665.0/35

In: 1376.044 $\pm$ 0.219 χ^2 /NDF:4022587.2/29

Out: 1320.742 $\pm$ 0.224 χ^2 /NDF:5188352.1/33

All: 1348.974 $\pm$ 0.157 χ^2 /NDF: 9242084.1/63

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 1149195.1/16$

Left Out: -279.810 ± 0.027 $\chi^2/\text{NDF}: 5752803.6/14$

Right Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 602264.3/18$

Left In: -296.766 ± 0.026 $\chi^2/\text{NDF}: 292240.9/12$

Left: -288.659 ± 0.019 $\chi^2/\text{NDF}: 6246216.4/27$

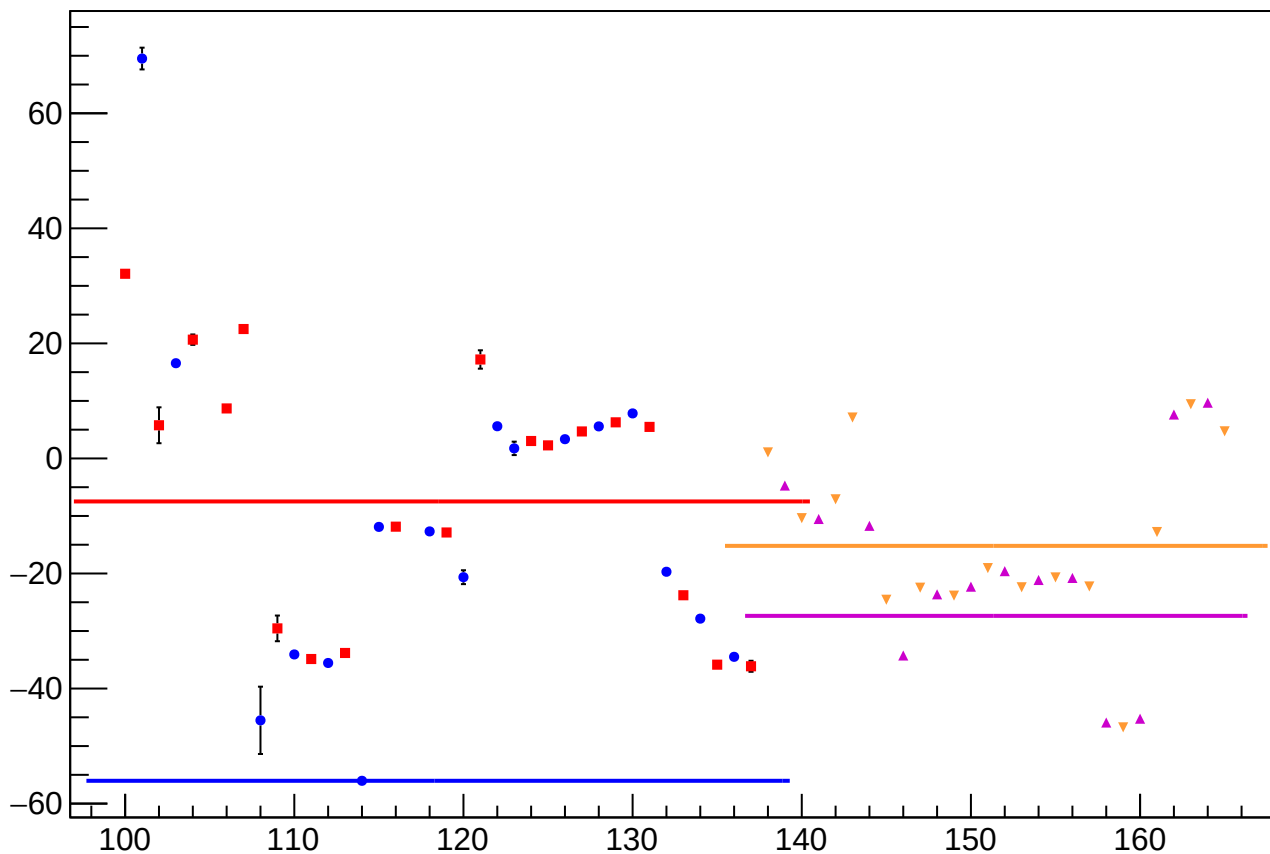
Right: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625661$

In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 11909797.3/29$

Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 17647835.7/33$

All: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 1585420.7/16$

Left Out: -15.197 ± 0.023 $\chi^2/\text{NDF}: 706822.1/14$

Right Out: -7.476 ± 0.042 $\chi^2/\text{NDF}: 173893.8/18$

Left In: -27.365 ± 0.024 $\chi^2/\text{NDF}: 460807.5/12$

Left: -20.978 ± 0.017 $\chi^2/\text{NDF}: 1298542.8/27$

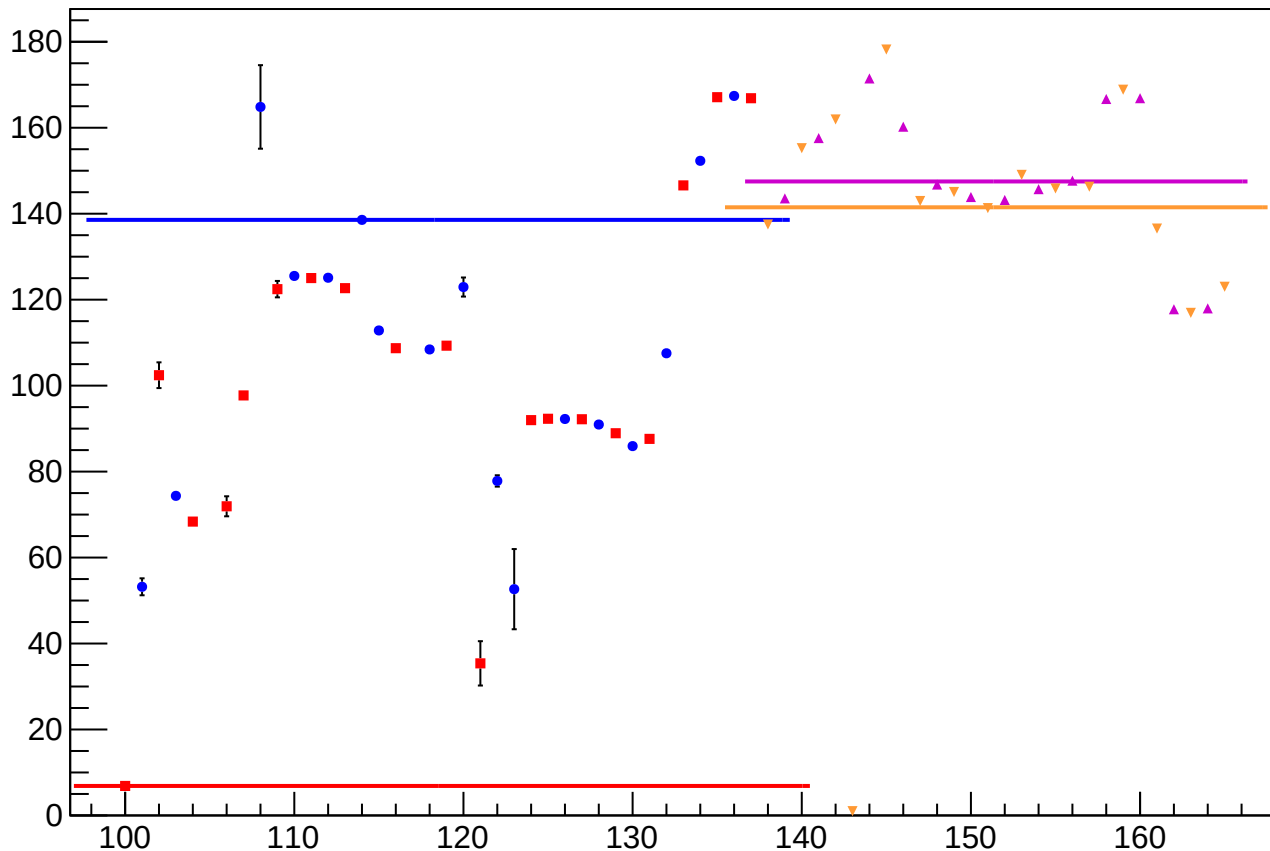
Right: -56.037 ± 0.000 $\chi^2/\text{NDF}: 3084882.3/35$

In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 3430992.0/29$

Out: -13.406 ± 0.020 $\chi^2/\text{NDF}: 906453.8/33$

All: -56.037 ± 0.000 $\chi^2/\text{NDF}: 8741569.4/63$

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 ± 0.000 $\chi^2/\text{NDF}: 901159.7/16$

Left Out: 141.490 ± 0.032 $\chi^2/\text{NDF}: 478096.9/14$

Right Out: 6.866 ± 0.000 $\chi^2/\text{NDF}: 8047391.7/18$

Left In: 147.501 ± 0.033 $\chi^2/\text{NDF}: 173440.8/12$

Left: 144.377 ± 0.023 $\chi^2/\text{NDF}: 668568.6/27$

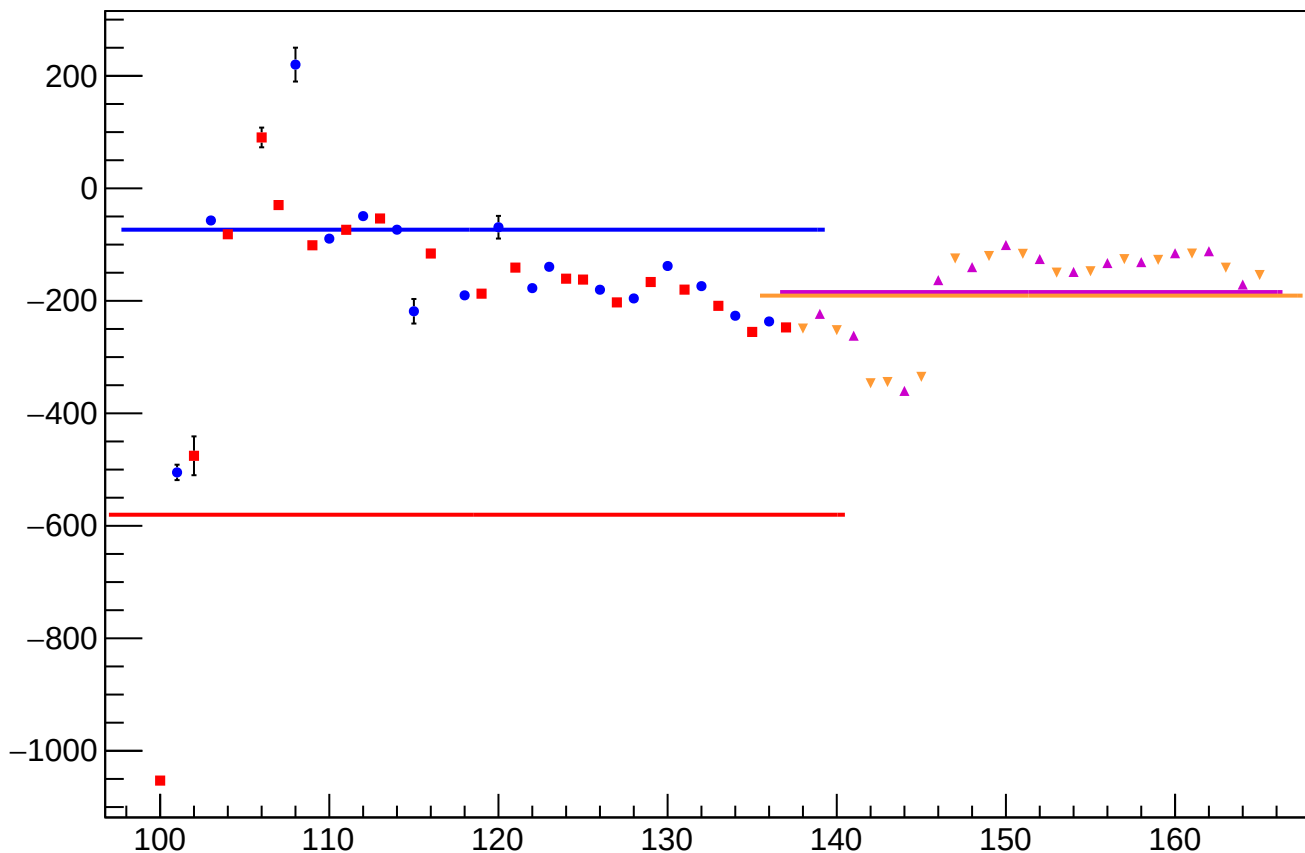
Right: 7.101 ± 0.000 $\chi^2/\text{NDF}: 23576822681928678$

In: 138.565 ± 0.000 $\chi^2/\text{NDF}: 1147031.4/29$

Out: 6.866 ± 0.000 $\chi^2/\text{NDF}: 26310221.8/33$

All: 7.101 ± 0.000 $\chi^2/\text{NDF}: 23576822681928678$

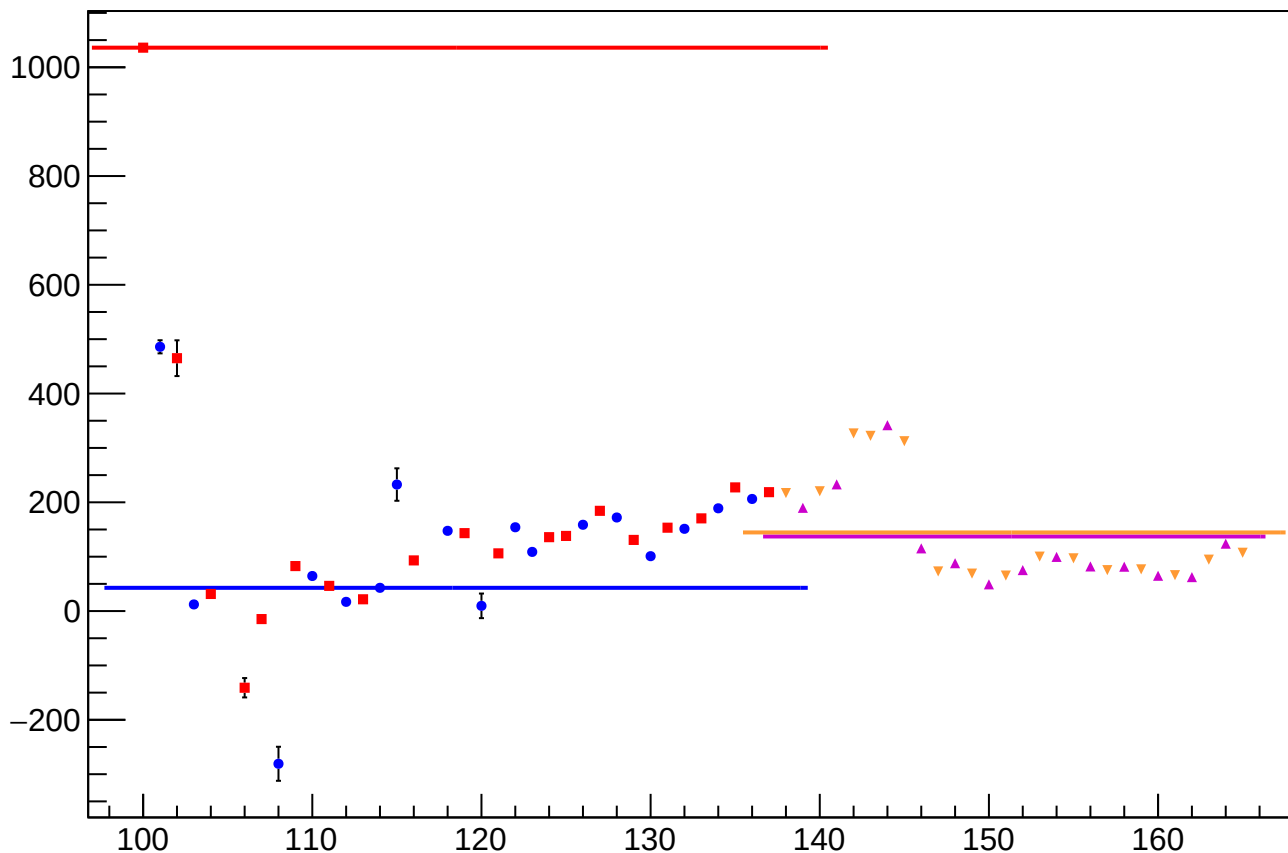
dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 98703.2/16$
 Left Out: -190.709 ± 0.309 $\chi^2/\text{NDF}: 65512.0/14$
 Right Out: -580.262 ± 0.261 $\chi^2/\text{NDF}: 3031609.5/18$
 Left In: -184.372 ± 0.335 $\chi^2/\text{NDF}: 60530.0/12$

Left: -187.795 ± 0.227 $\chi^2/\text{NDF}: 126235.0/27$
 Right: -73.485 ± 0.000 $\chi^2/\text{NDF}: 6902096.9/35$
 In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 268652.2/29$
 Out: -418.307 ± 0.199 $\chi^2/\text{NDF}: 4023683.9/33$
 All: -73.485 ± 0.000 $\chi^2/\text{NDF}: 7281163.2/63$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2 /NDF: 84599.8/16

Left Out: 144.590+/-0.314 χ^2 /NDF: 80137.8/14

Right Out: 1036.068+/-0.000 χ^2 /NDF: 4933722.5/18

Left In: 137.166+/-0.342 χ^2 /NDF: 70077.6/12

Left: 141.200+/-0.231 χ^2 /NDF: 150471.4/27

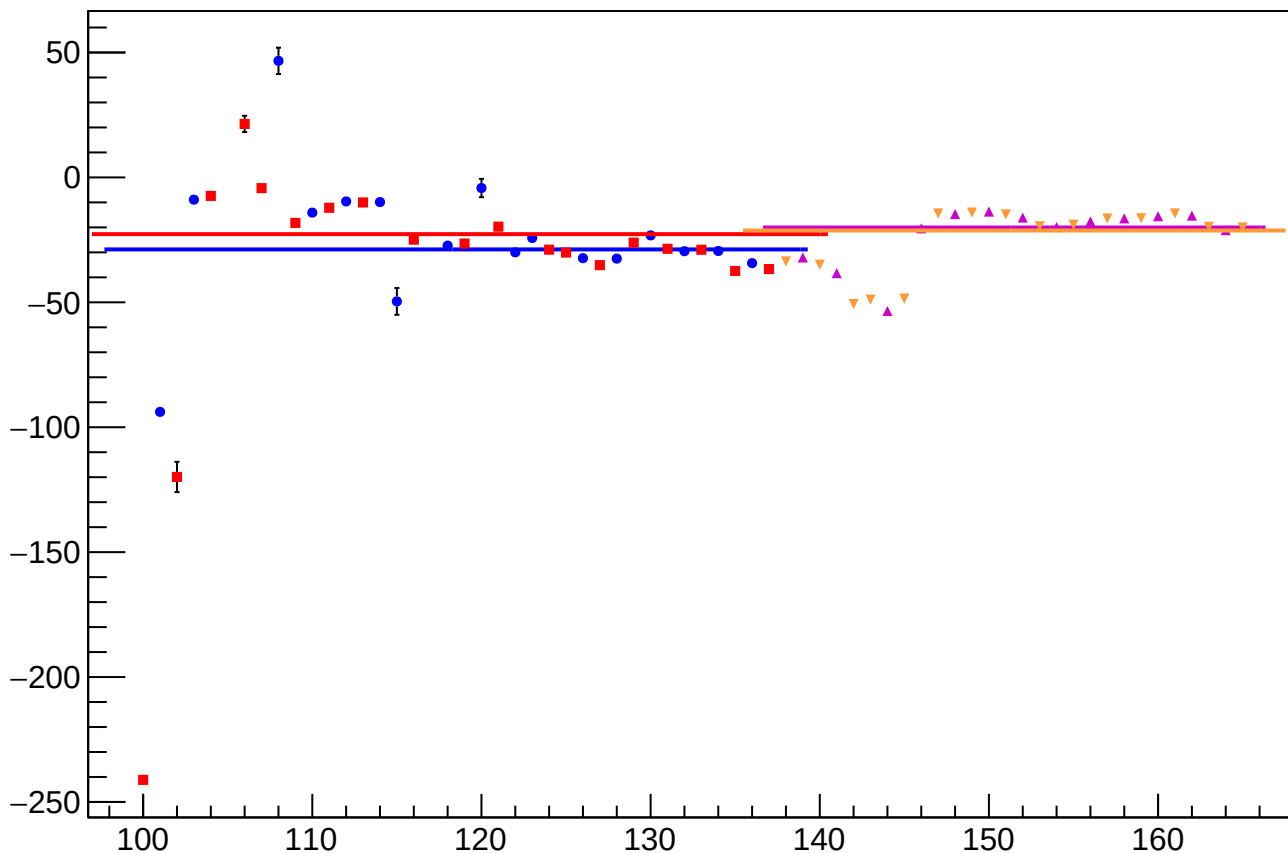
Right: 43.272+/-0.000 χ^2 /NDF: 1144517497266833

In: 42.743+/-0.000 χ^2 /NDF: 230886.4/29

Out: 1036.068+/-0.000 χ^2 /NDF: 13099315.6/33

All: 43.272+/-0.000 χ^2 /NDF: 1144517497266

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.822 ± 0.035 $\chi^2/\text{NDF}: 49503.4/16$

Left Out: -21.251 ± 0.016 $\chi^2/\text{NDF}: 344522.4/14$

Right Out: -22.707 ± 0.038 $\chi^2/\text{NDF}: 410174.9/18$

Left In: -20.052 ± 0.018 $\chi^2/\text{NDF}: 200362.6/12$

Left: -20.725 ± 0.012 $\chi^2/\text{NDF}: 547479.8/27$

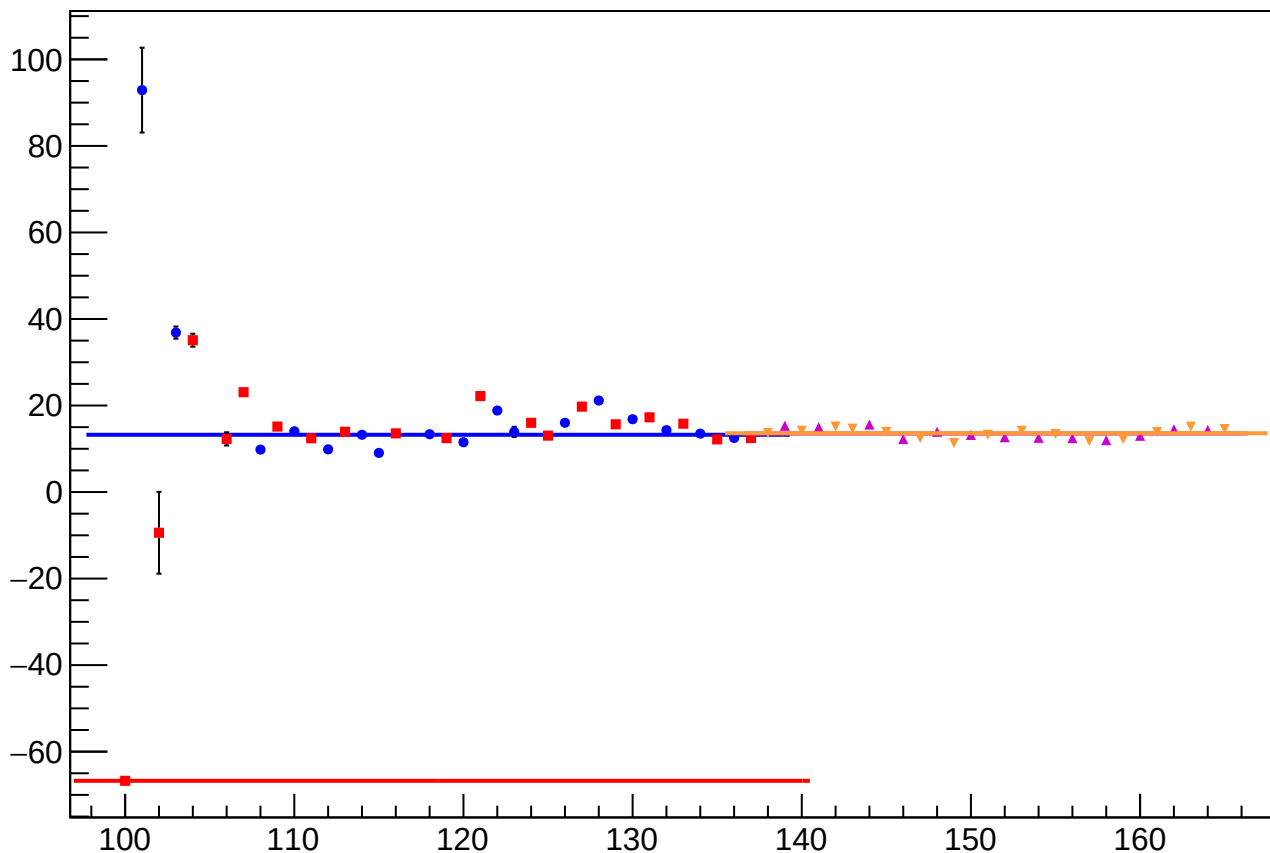
Right: -26.045 ± 0.026 $\chi^2/\text{NDF}: 473753.1/35$

In: -21.850 ± 0.016 $\chi^2/\text{NDF}: 300536.1/29$

Out: -21.460 ± 0.014 $\chi^2/\text{NDF}: 755949.4/33$

All: -21.638 ± 0.011 $\chi^2/\text{NDF}: 1056820.3/63$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238 $\pm$ 0.000 χ^2 /NDF: 5756.1/16

Left Out: 13.588 $\pm$ 0.015 χ^2 /NDF: 5563.0/14

Right Out: -66.739 $\pm$ 0.000 χ^2 /NDF: 3023648.4/18

Left In: 13.525 $\pm$ 0.016 χ^2 /NDF: 5128.9/12

Left: 13.559 $\pm$ 0.011 χ^2 /NDF: 10700.6/27

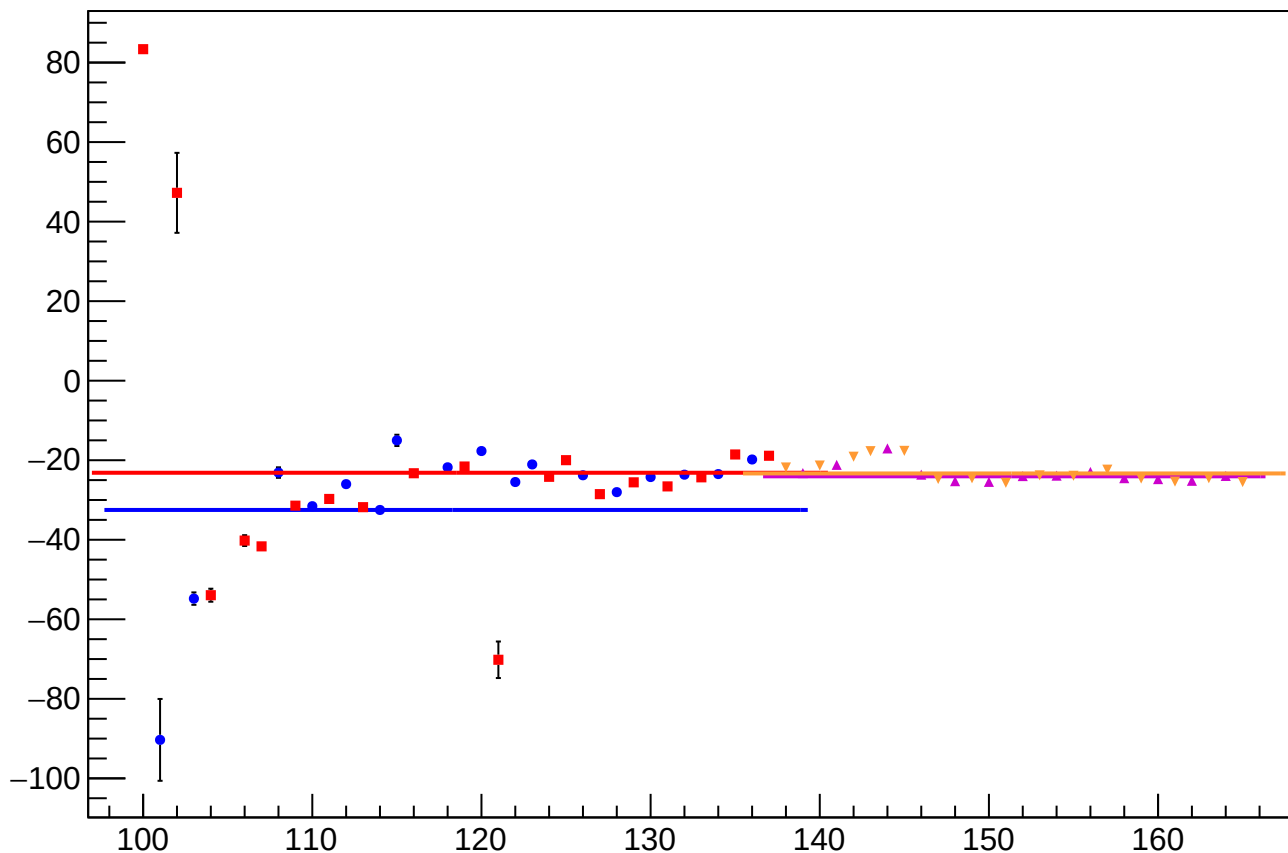
Right: 12.562 $\pm$ 0.000 χ^2 /NDF: 1884310027651005

In: 13.238 $\pm$ 0.000 χ^2 /NDF: 11212.2/29

Out: -66.739 $\pm$ 0.000 χ^2 /NDF: 32534447.3/33

All: 12.562 $\pm$ 0.000 χ^2 /NDF: 1884310027651

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 $\pm$ 0.000 χ^2 /NDF: 74187.4/16

Left Out: -23.326 $\pm$ 0.021 χ^2 /NDF:12827.5/14

Right Out: -23.151 $\pm$ 0.048 χ^2 /NDF: 90749.4/18

Left In: -24.048 $\pm$ 0.019 χ^2 /NDF:6257.5/12

Left: -23.715 $\pm$ 0.014 χ^2 /NDF: 19720.7/27

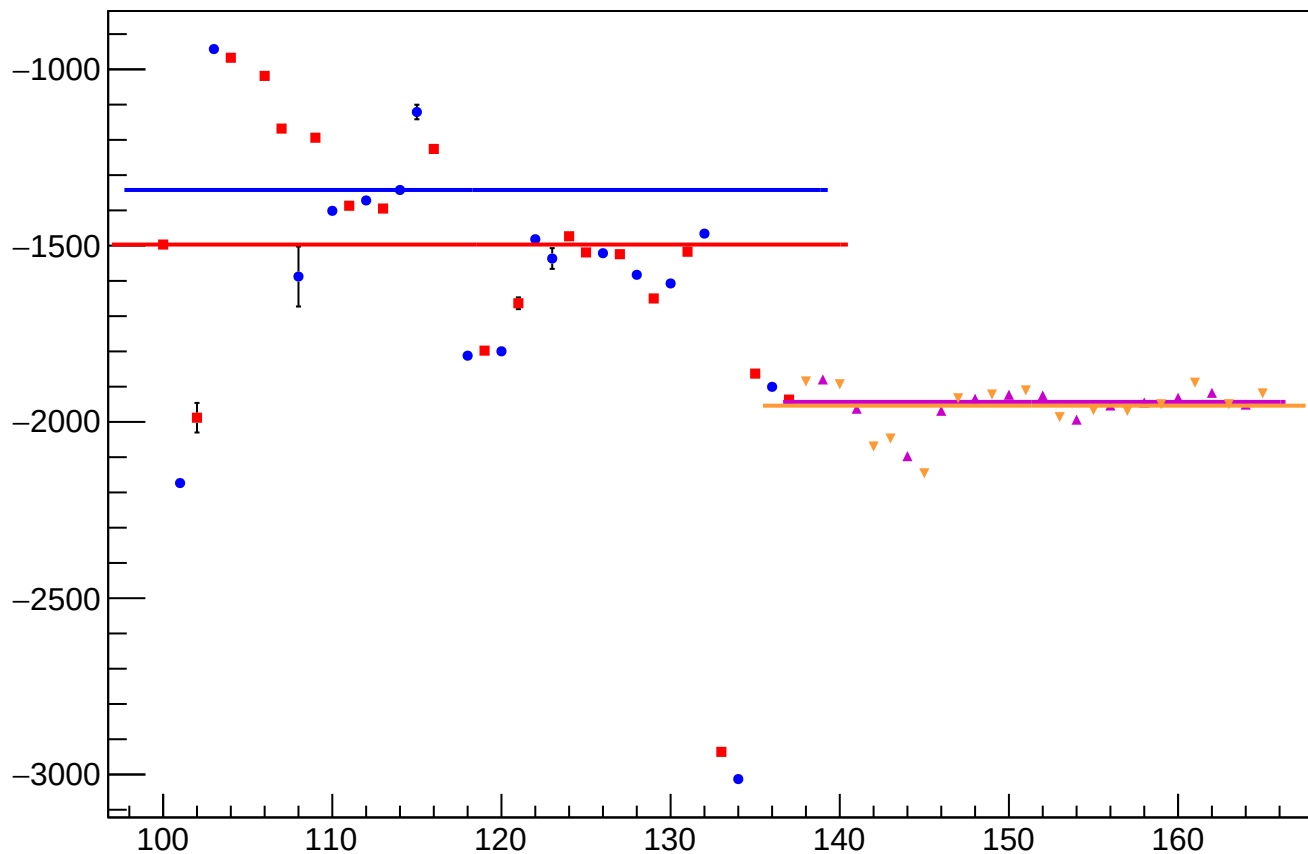
Right: -32.504 $\pm$ 0.000 χ^2 /NDF: 203519.3/35

In: -32.504 $\pm$ 0.000 χ^2 /NDF:269936.4/29

Out: -23.298 $\pm$ 0.019 χ^2 /NDF:103588.2/33

All: -32.504 $\pm$ 0.000 χ^2 /NDF: 602771.6/63

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107+/-0.000 χ^2/NDF : 370901.4/16

Left Out: -1953.910+/-0.417 χ^2/NDF :15486.1/14

Right Out: -1496.932+/-0.000 χ^2/NDF : 504712.5/18

Left In: -1943.246+/-0.344 χ^2/NDF :16053.7/12

Left: -1947.560+/-0.265 χ^2/NDF : 31928.8/27

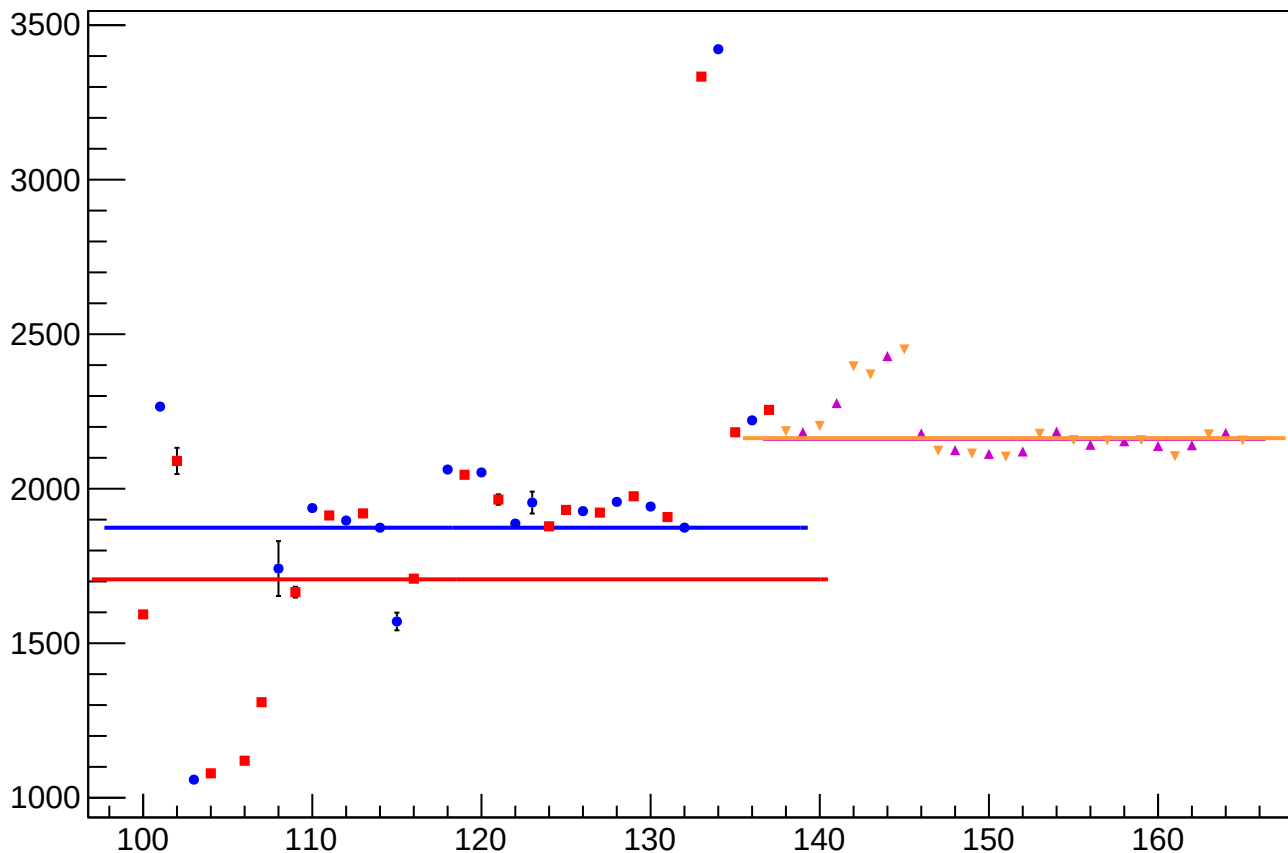
Right: -1396.751+/-0.000 χ^2/NDF : 1800086126763

In: -1342.107+/-0.000 χ^2/NDF :3442763.7/29

Out: -1496.932+/-0.000 χ^2/NDF :1719910.0/33

All: -1396.751+/-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: 2163.668 $\pm$ 0.421 χ^2 /NDF:28064.5/14

Right Out: 1706.739 $\pm$ 0.302 χ^2 /NDF: 837936.9/18

Left In: 2161.475 $\pm$ 0.344 χ^2 /NDF:36736.3/12

Left: 2162.354 $\pm$ 0.266 χ^2 /NDF: 64817.1/27

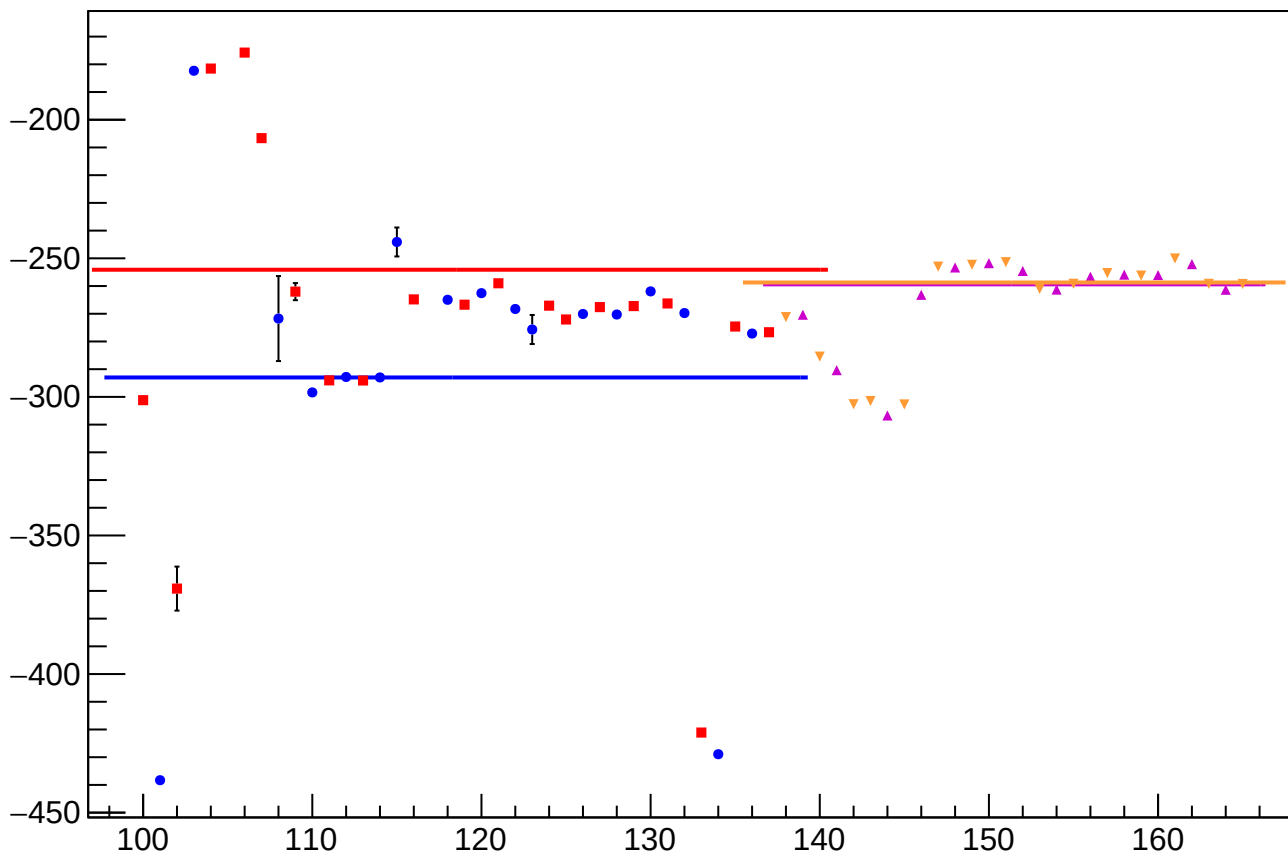
Right: 1873.852 $\pm$ 0.000 χ^2 /NDF: 1344906.8/35

In: 1873.852 $\pm$ 0.000 χ^2 /NDF:936558.5/29

Out: 1862.384 $\pm$ 0.246 χ^2 /NDF:1643756.0/33

All: 1873.852 $\pm$ 0.000 χ^2 /NDF: 2582495.6/63

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1015592.4/16$

Left Out: -258.716 ± 0.024 $\chi^2/\text{NDF}: 204737.0/14$

Right Out: -254.119 ± 0.059 $\chi^2/\text{NDF}: 502658.5/18$

Left In: -259.392 ± 0.020 $\chi^2/\text{NDF}: 248079.3/12$

Left: -259.113 ± 0.015 $\chi^2/\text{NDF}: 453286.1/27$

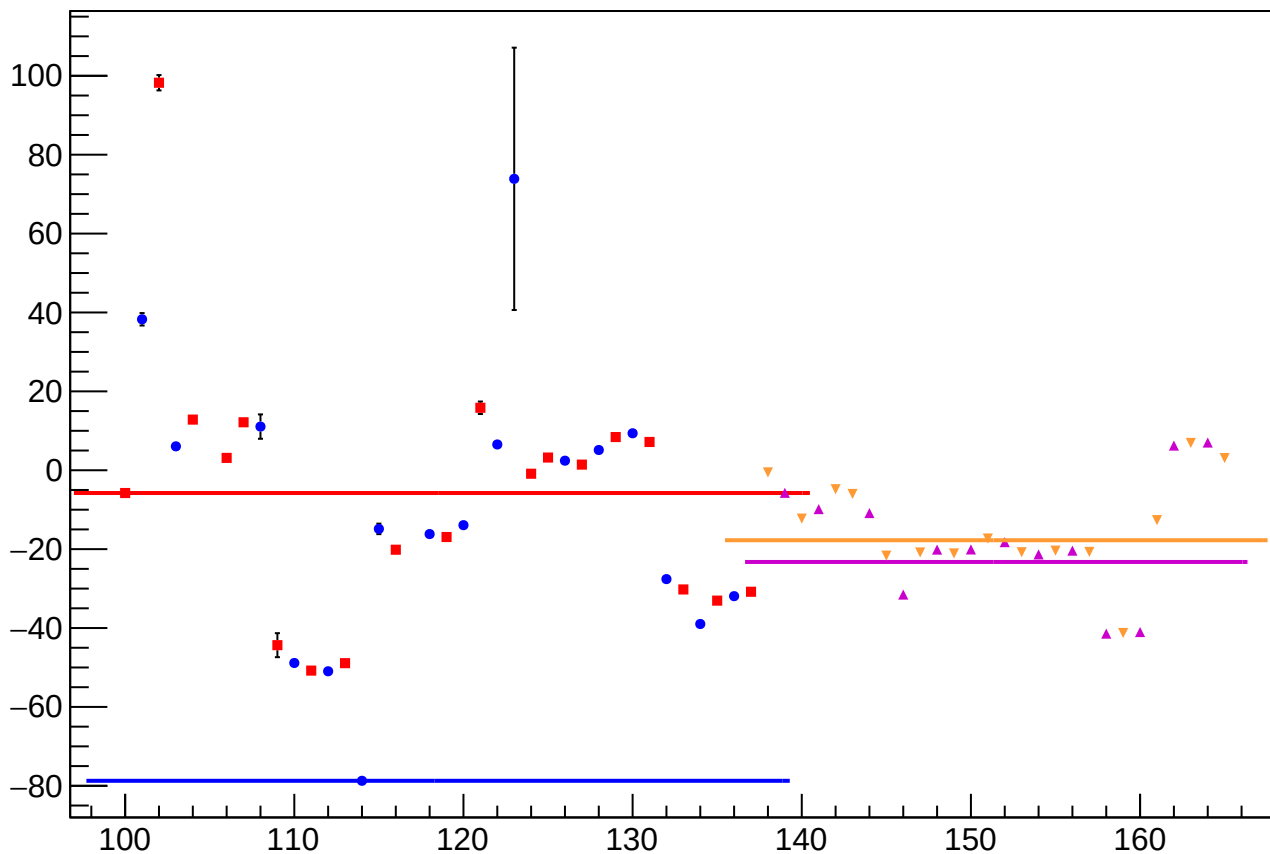
Right: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1952225.7/35$

In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 4074612.2/29$

Out: -258.067 ± 0.022 $\chi^2/\text{NDF}: 712610.2/33$

All: -292.986 ± 0.000 $\chi^2/\text{NDF}: 7269190.4/63$

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 $\pm$ 0.000 χ^2 /NDF: 1399088.3/16

Left Out: -17.743 $\pm$ 0.023 χ^2 /NDF: 457080.6/14

Right Out: -5.769 $\pm$ 0.000 χ^2 /NDF: 111570.1/18

Left In: -23.249 $\pm$ 0.020 χ^2 /NDF: 455864.9/12

Left: -20.891 $\pm$ 0.015 χ^2 /NDF: 945025.1/27

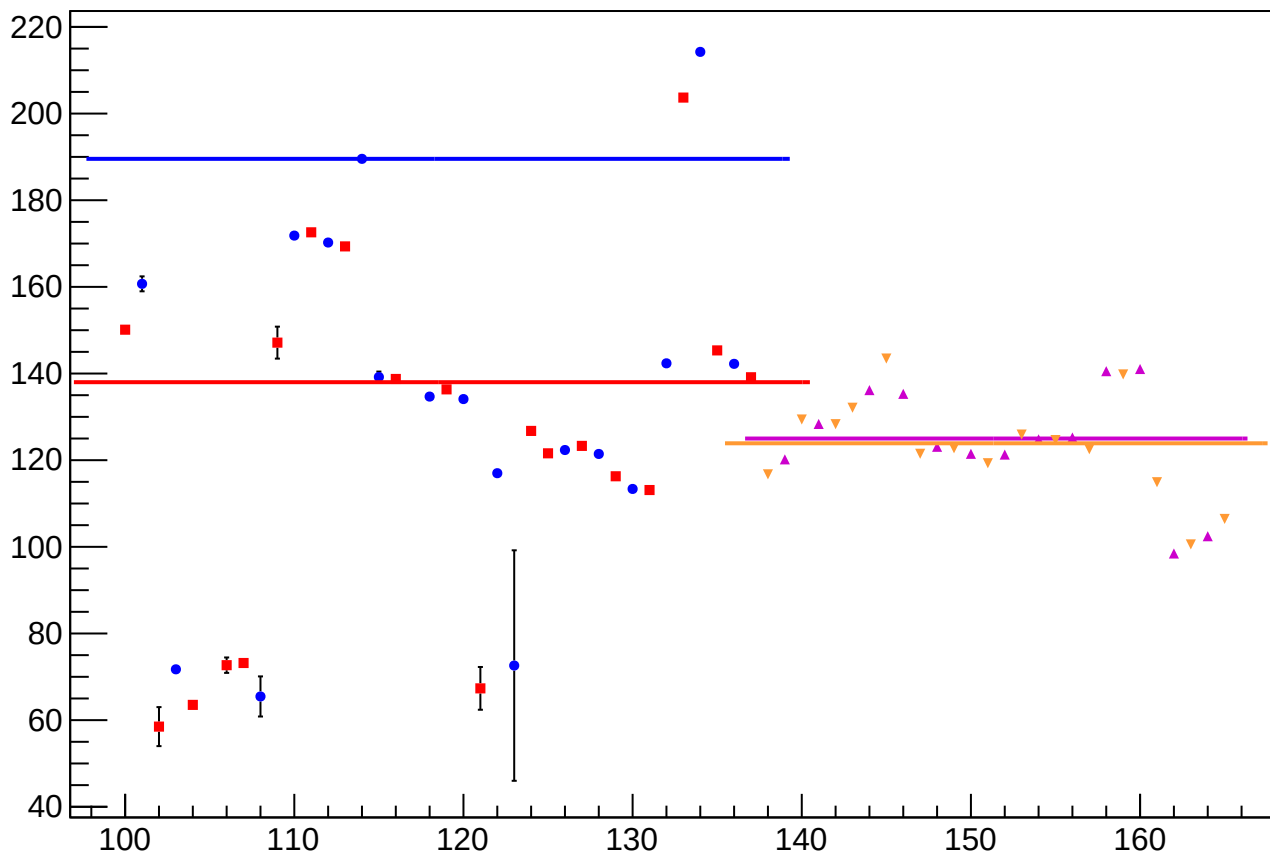
Right: -6.288 $\pm$ 0.000 χ^2 /NDF: 2878797679293380

In: -78.728 $\pm$ 0.000 χ^2 /NDF: 9458709.1/29

Out: -5.769 $\pm$ 0.000 χ^2 /NDF: 834035.2/33

All: -6.288 $\pm$ 0.000 χ^2 /NDF: 2878797679293

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 ± 0.000 χ^2/NDF : 927391.8/16

Left Out: 123.898 ± 0.029 χ^2/NDF : 107716.0/14

Right Out: 138.002 ± 0.059 χ^2/NDF : 117357.8/18

Left In: 124.998 ± 0.029 χ^2/NDF : 160080.0/12

Left: 124.449 ± 0.020 χ^2/NDF : 268526.9/27

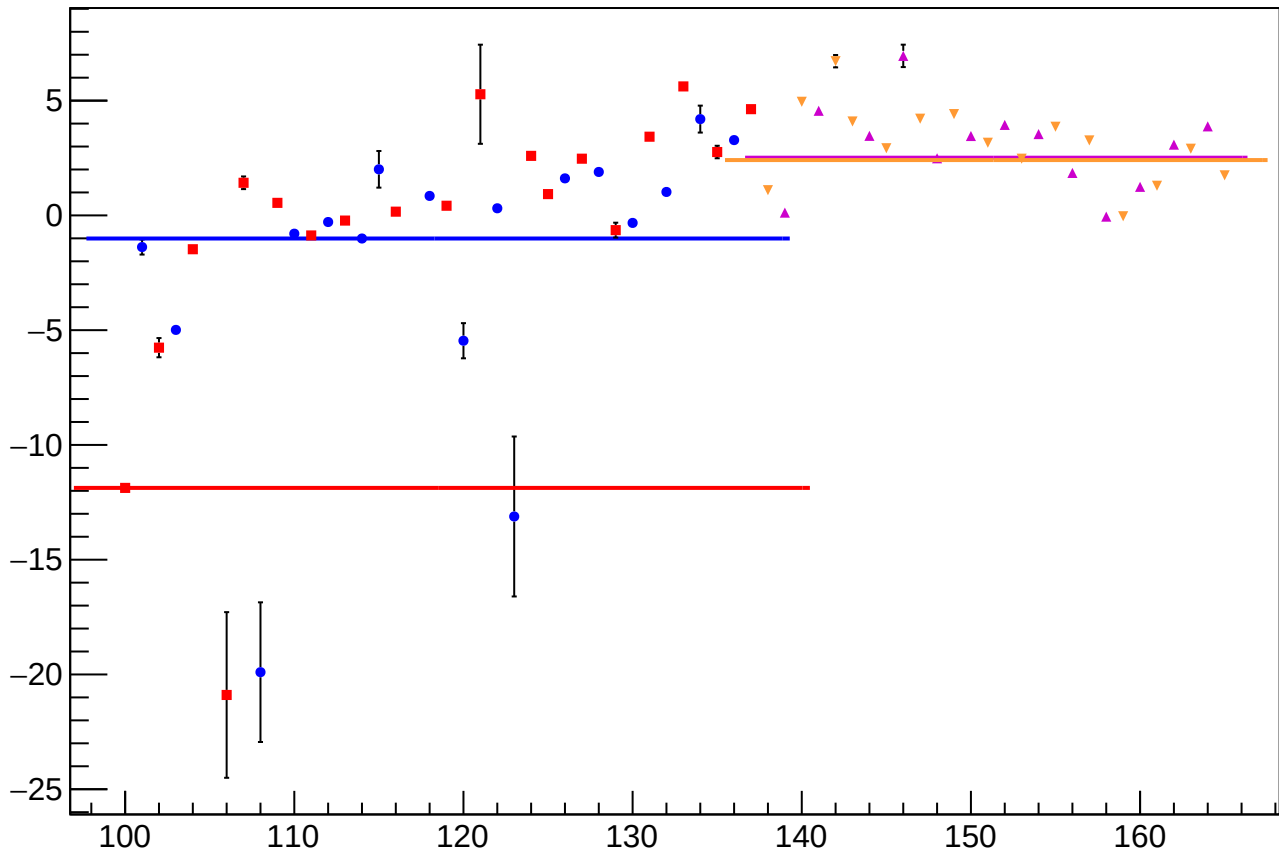
Right: 189.551 ± 0.000 χ^2/NDF : 1806450.5/35

In: 189.551 ± 0.000 χ^2/NDF : 6134940.8/29

Out: 126.607 ± 0.026 χ^2/NDF : 271140.9/33

All: 189.551 ± 0.000 χ^2/NDF : 12318947.9/63

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7057.7/16

Left Out: 2.410 ± 0.025 χ^2/NDF : 4912.9/14

Right Out: -11.872 ± 0.000 χ^2/NDF : 503632.2/18

Left In: 2.514 ± 0.019 χ^2/NDF : 6360.7/12

Left: 2.477 ± 0.015 χ^2/NDF : 11284.2/27

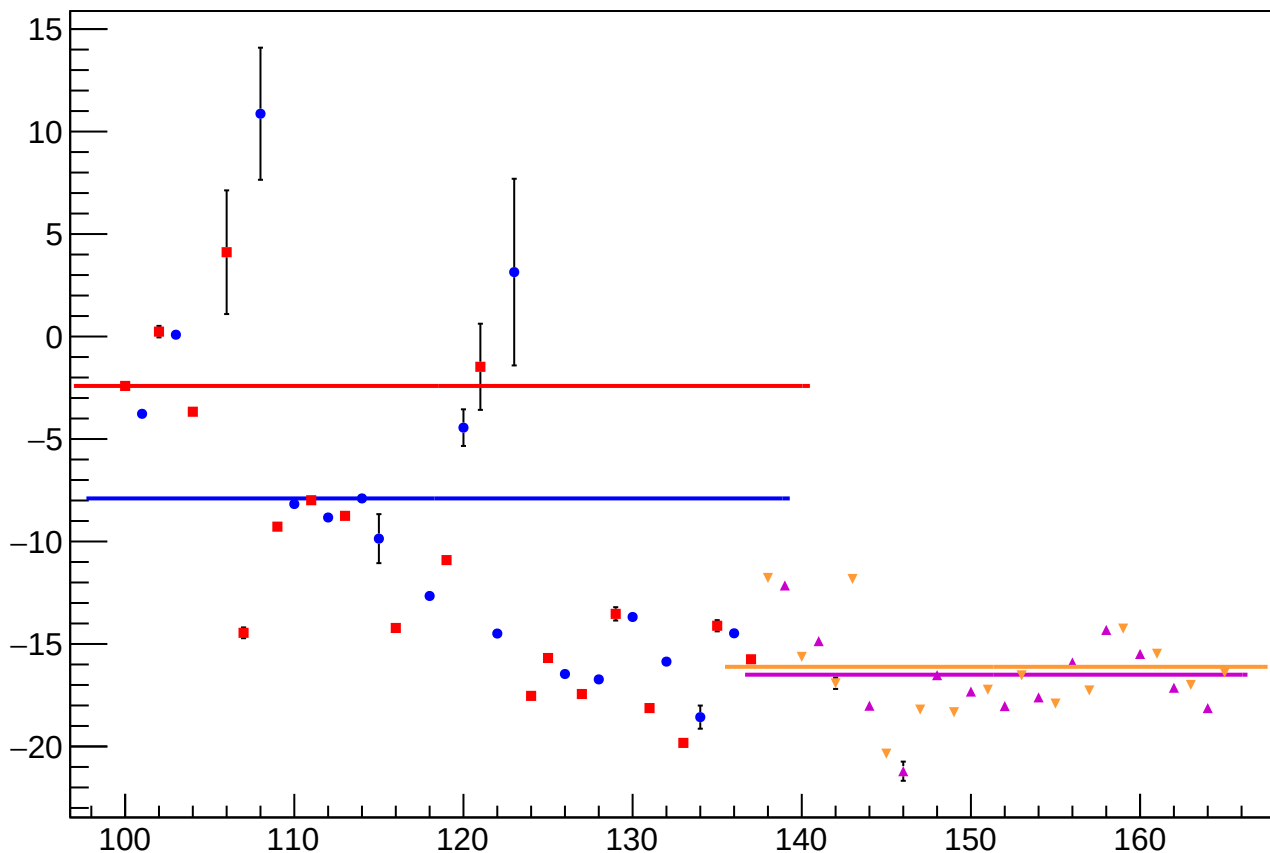
Right: -1.365 ± 0.000 χ^2/NDF : 2170760676638215

In: -1.007 ± 0.000 χ^2/NDF : 47141.7/29

Out: -11.872 ± 0.000 χ^2/NDF : 822519.1/33

All: -1.365 ± 0.000 χ^2/NDF : 2170760676638

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -7.899 ± 0.000 χ^2/NDF : 39443.5/16

Left Out: -16.114 ± 0.025 χ^2/NDF : 6085.5/14

Right Out: -2.410 ± 0.000 χ^2/NDF : 203043.8/18

Left In: -16.498 ± 0.020 χ^2/NDF : 5350.9/12

Left: -16.350 ± 0.016 χ^2/NDF : 11577.5/27

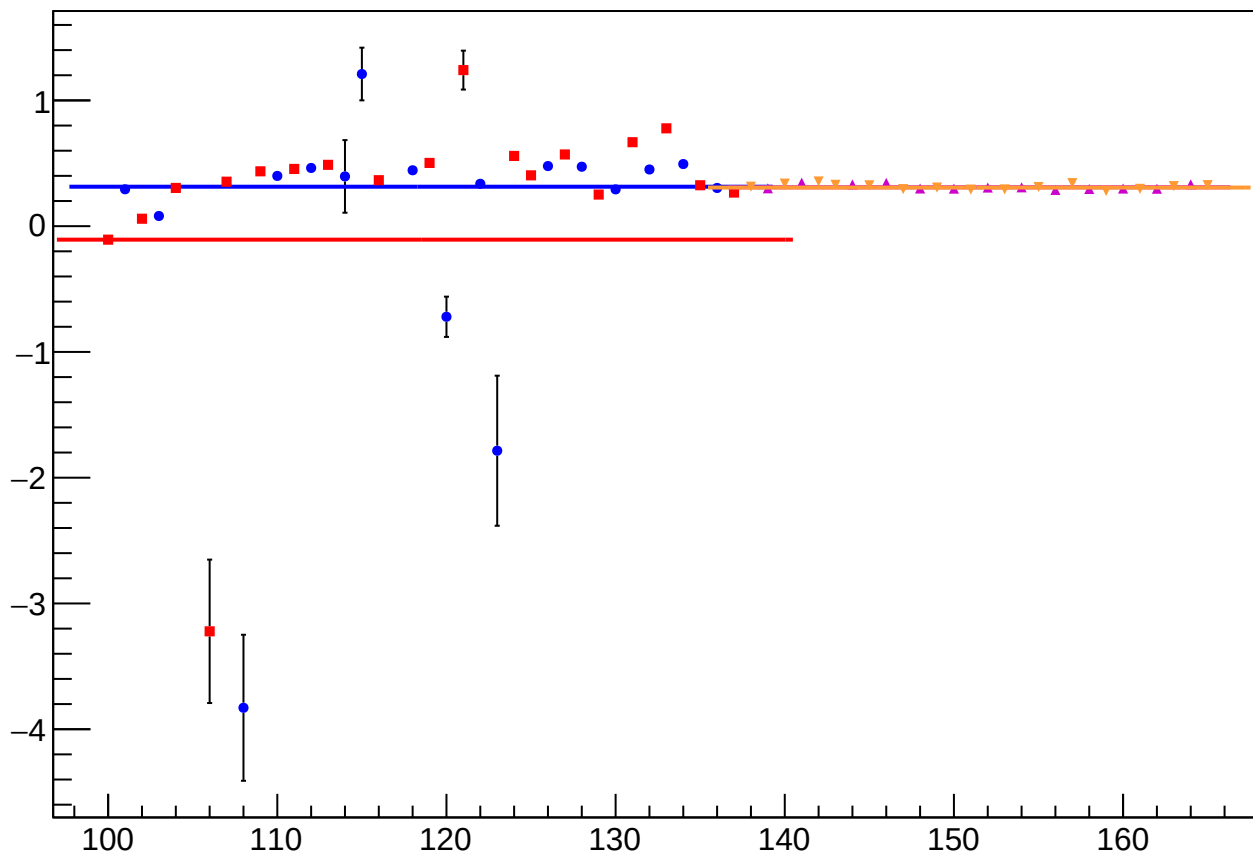
Right: -4.135 ± 0.000 χ^2/NDF : 2879850560728951

In: -7.899 ± 0.000 χ^2/NDF : 227276.7/29

Out: -2.410 ± 0.000 χ^2/NDF : 502161.7/33

All: -4.135 ± 0.000 χ^2/NDF : 2879850560728

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314+/-0.001 χ^2/NDF : 2748.0/16

Left Out: 0.307+/-0.000 χ^2/NDF : 3422.0/14

Right Out: -0.107+/-0.000 χ^2/NDF : 219932.8/18

Left In: 0.309+/-0.000 χ^2/NDF : 2458.8/12

Left: 0.308+/-0.000 χ^2/NDF : 5899.6/27

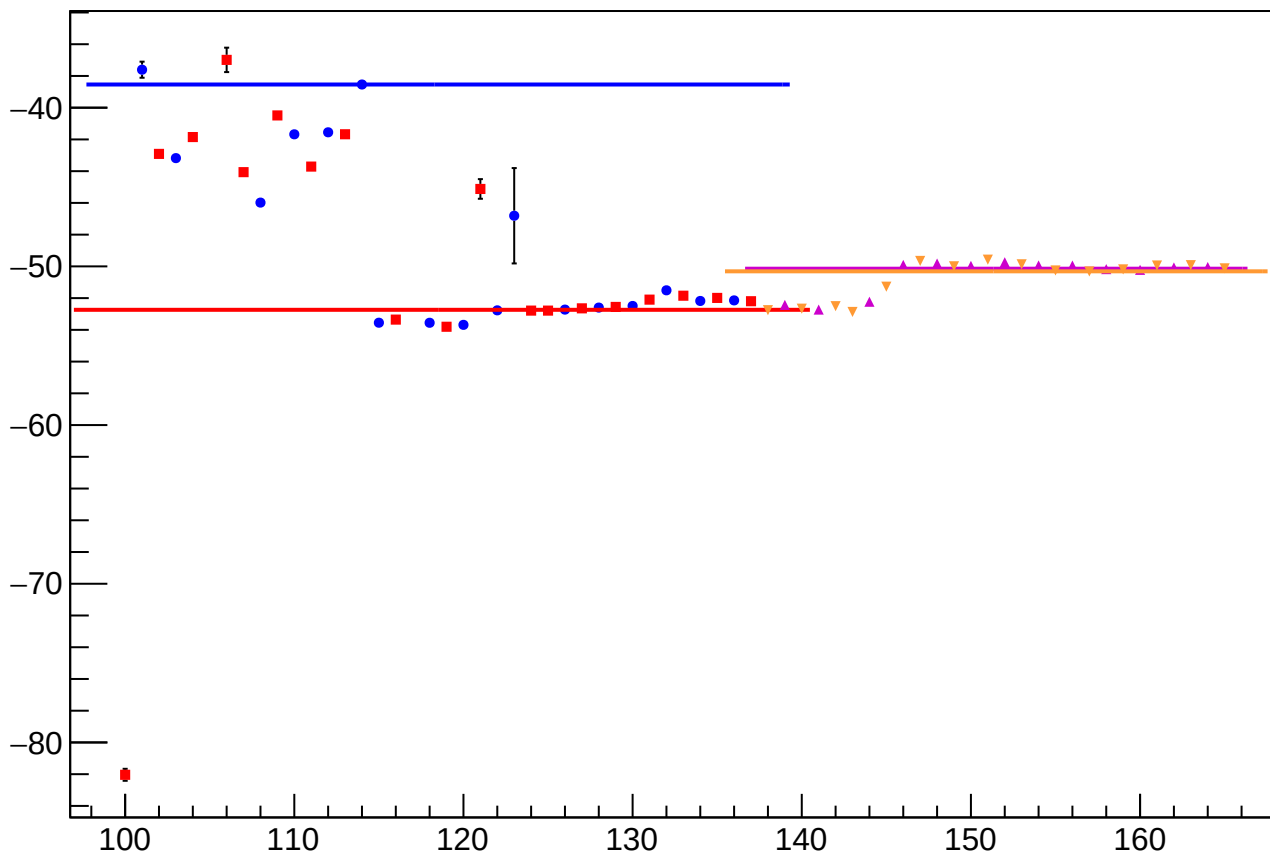
Right: -0.107+/-0.000 χ^2/NDF : 409026.8/35

In: 0.309+/-0.000 χ^2/NDF : 5227.8/29

Out: -0.107+/-0.000 χ^2/NDF : 1924393.6/33

All: -0.107+/-0.000 χ^2/NDF : 4024199.3/63

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 14950854.6/16$

Left Out: -50.312 ± 0.002 $\chi^2/\text{NDF}: 251190.1/14$

Right Out: -52.737 ± 0.002 $\chi^2/\text{NDF}: 87430.2/18$

Left In: -50.147 ± 0.002 $\chi^2/\text{NDF}: 154307.3/12$

Left: -50.214 ± 0.001 $\chi^2/\text{NDF}: 410195.6/27$

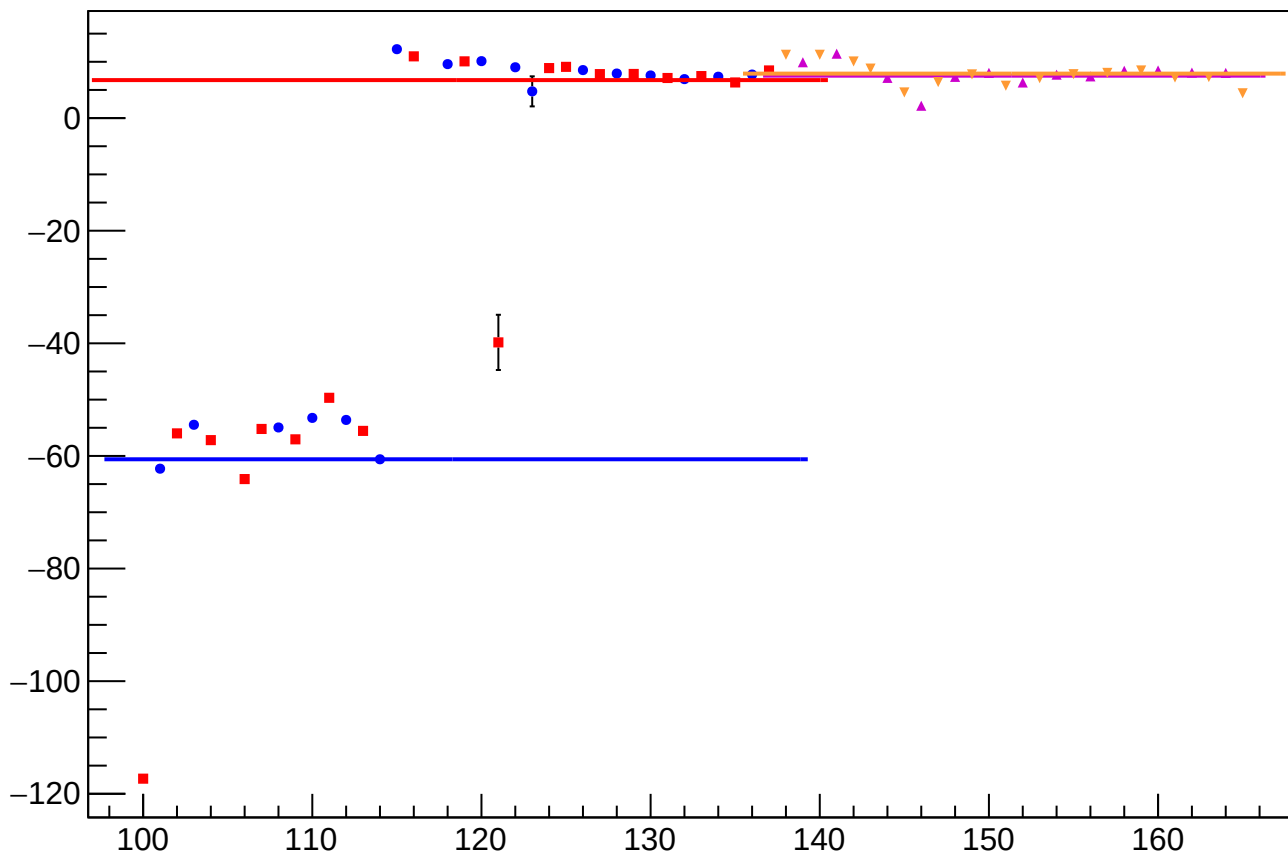
Right: -38.539 ± 0.000 $\chi^2/\text{NDF}: 72100834.2/35$

In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 72063485.4/29$

Out: -51.508 ± 0.001 $\chi^2/\text{NDF}: 1182079.3/33$

All: -38.539 ± 0.000 $\chi^2/\text{NDF}: 169756131.1/6$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 ± 0.000 χ^2/NDF : 26122838.1/16

Left Out: 7.899 ± 0.005 χ^2/NDF : 76263.8/14

Right Out: 6.748 ± 0.011 χ^2/NDF : 1266598.3/18

Left In: 7.536 ± 0.004 χ^2/NDF : 114834.0/12

Left: 7.680 ± 0.003 χ^2/NDF : 194940.5/27

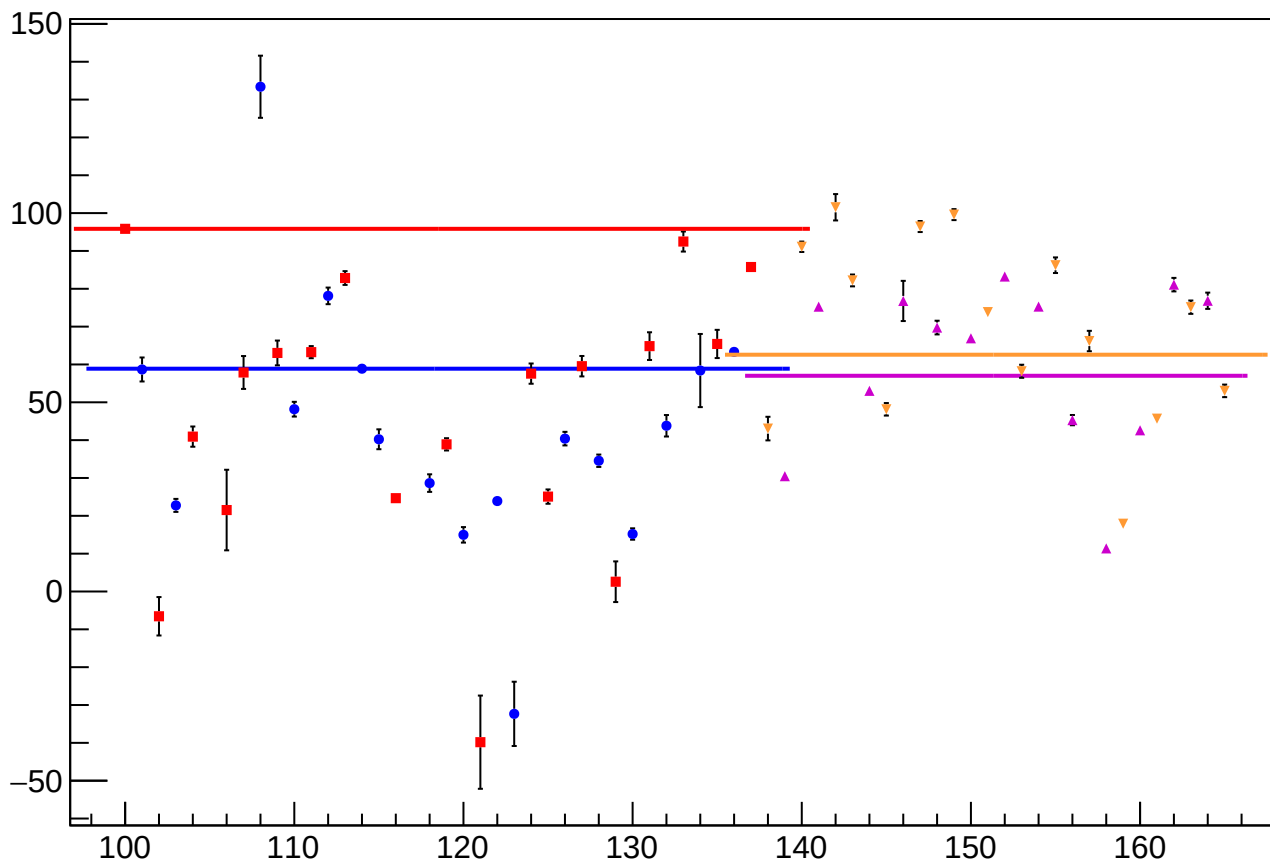
Right: -60.594 ± 0.000 χ^2/NDF : 64778482.9/35

In: -60.594 ± 0.000 χ^2/NDF : 366797898.4/29

Out: 7.731 ± 0.004 χ^2/NDF : 1352187.8/33

All: -60.594 ± 0.000 χ^2/NDF : 632191401.7/6

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880+/-0.000 χ^2/NDF : 3814.7/16

Left Out: 62.576+/-0.399 χ^2/NDF : 4948.9/14

Right Out: 95.846+/-0.000 χ^2/NDF : 39385.0/18

Left In: 57.011+/-0.317 χ^2/NDF : 4855.7/12

Left: 59.163+/-0.248 χ^2/NDF : 9923.8/27

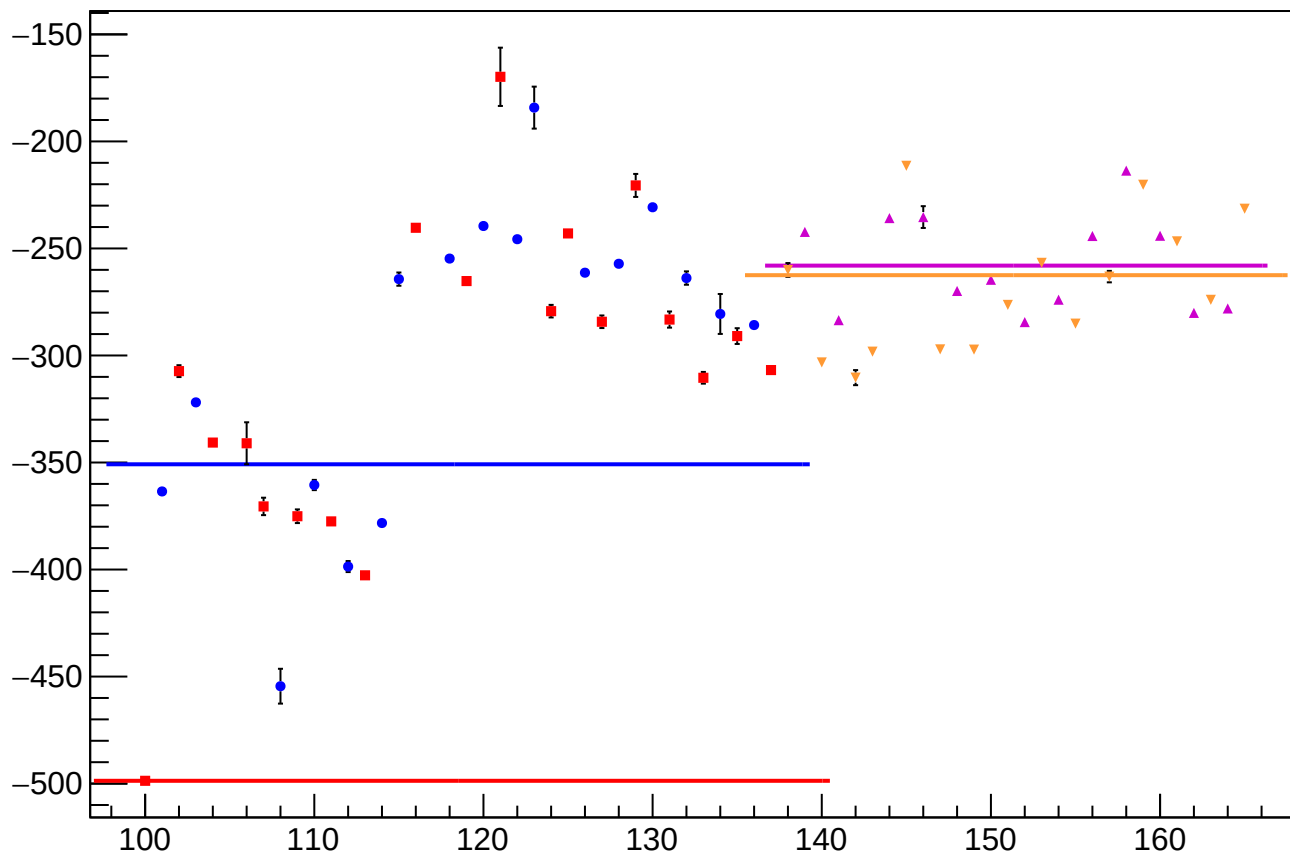
Right: 60.098+/-0.000 χ^2/NDF : 9815233945666380

In: 58.880+/-0.000 χ^2/NDF : 8705.2/29

Out: 95.846+/-0.000 χ^2/NDF : 51278.1/33

All: 60.098+/-0.000 χ^2/NDF : 9815233945666

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -350.833 ± 0.245 $\chi^2/\text{NDF}: 41301.1/16$

Left Out: -262.489 ± 0.399 $\chi^2/\text{NDF}: 6741.8/14$

Right Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 511870.8/18$

Left In: -258.021 ± 0.321 $\chi^2/\text{NDF}: 4422.9/12$

Left: -259.777 ± 0.250 $\chi^2/\text{NDF}: 11241.0/27$

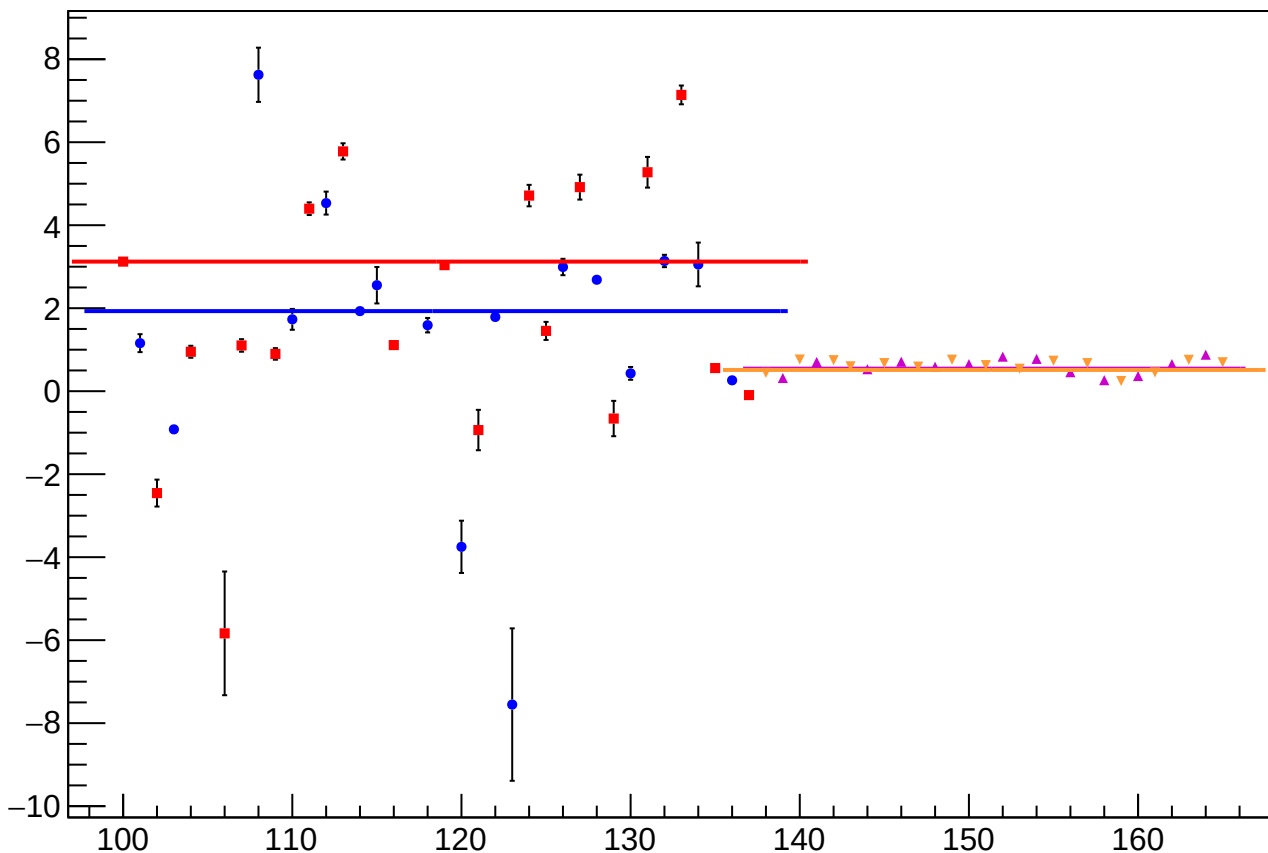
Right: -498.692 ± 0.000 $\chi^2/\text{NDF}: 918780.8/35$

In: -316.709 ± 0.194 $\chi^2/\text{NDF}: 98688.6/29$

Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 869827.6/33$

All: -498.692 ± 0.000 $\chi^2/\text{NDF}: 1844385.7/63$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 ± 0.000 $\chi^2/\text{NDF}: 59970.9/16$

Left Out: 0.512 ± 0.002 $\chi^2/\text{NDF}: 7909.7/14$

Right Out: 3.123 ± 0.000 $\chi^2/\text{NDF}: 512565.5/18$

Left In: 0.543 ± 0.002 $\chi^2/\text{NDF}: 12446.3/12$

Left: 0.530 ± 0.002 $\chi^2/\text{NDF}: 20460.2/27$

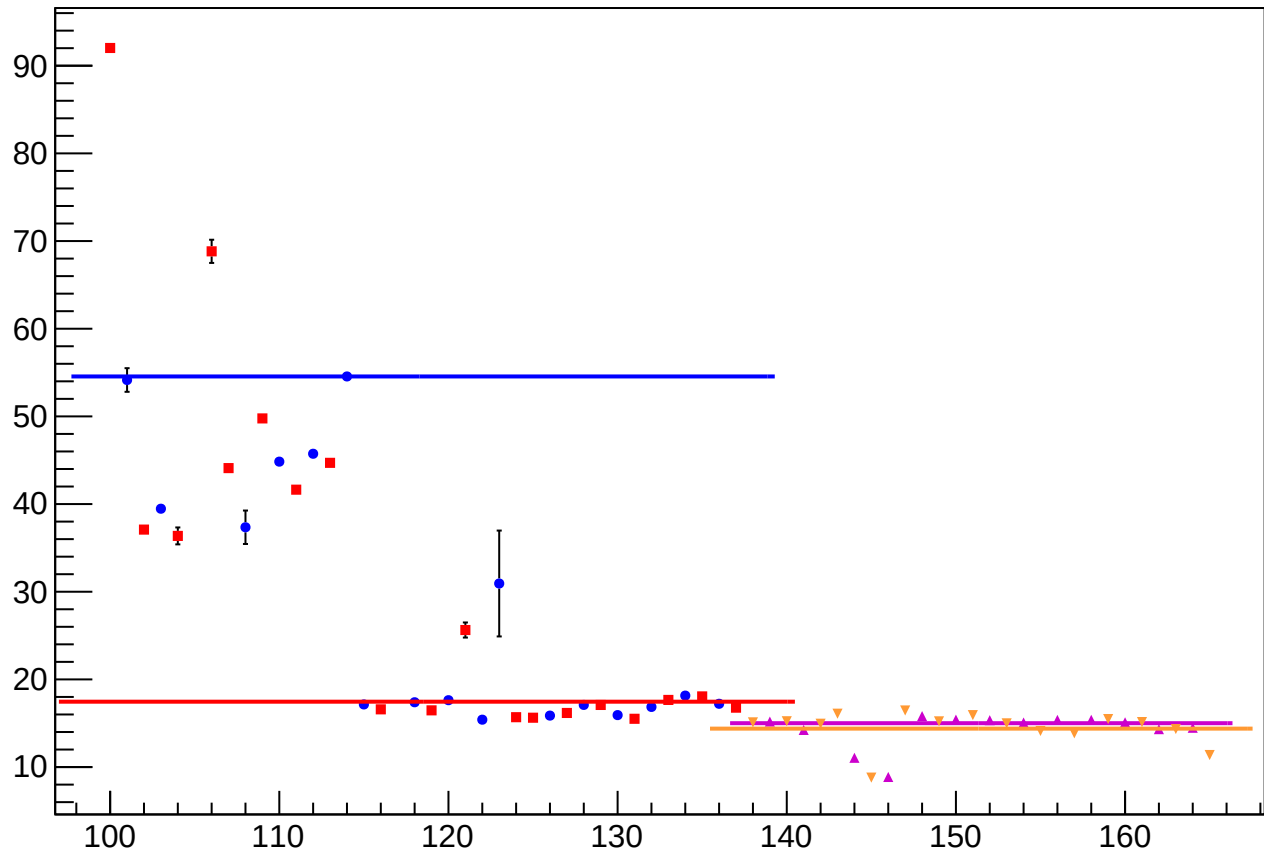
Right: 2.073 ± 0.000 $\chi^2/\text{NDF}: 38099534578085305$

In: 1.930 ± 0.000 $\chi^2/\text{NDF}: 555459.3/29$

Out: 3.123 ± 0.000 $\chi^2/\text{NDF}: 1766005.2/33$

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: 14.386+/-0.008 χ^2/NDF : 82678.8/14

Right Out: 17.458+/-0.018 χ^2/NDF : 99308.5/18

Left In: 15.006+/-0.008 χ^2/NDF : 8732.5/12

Left: 14.707+/-0.006 χ^2/NDF : 94453.1/27

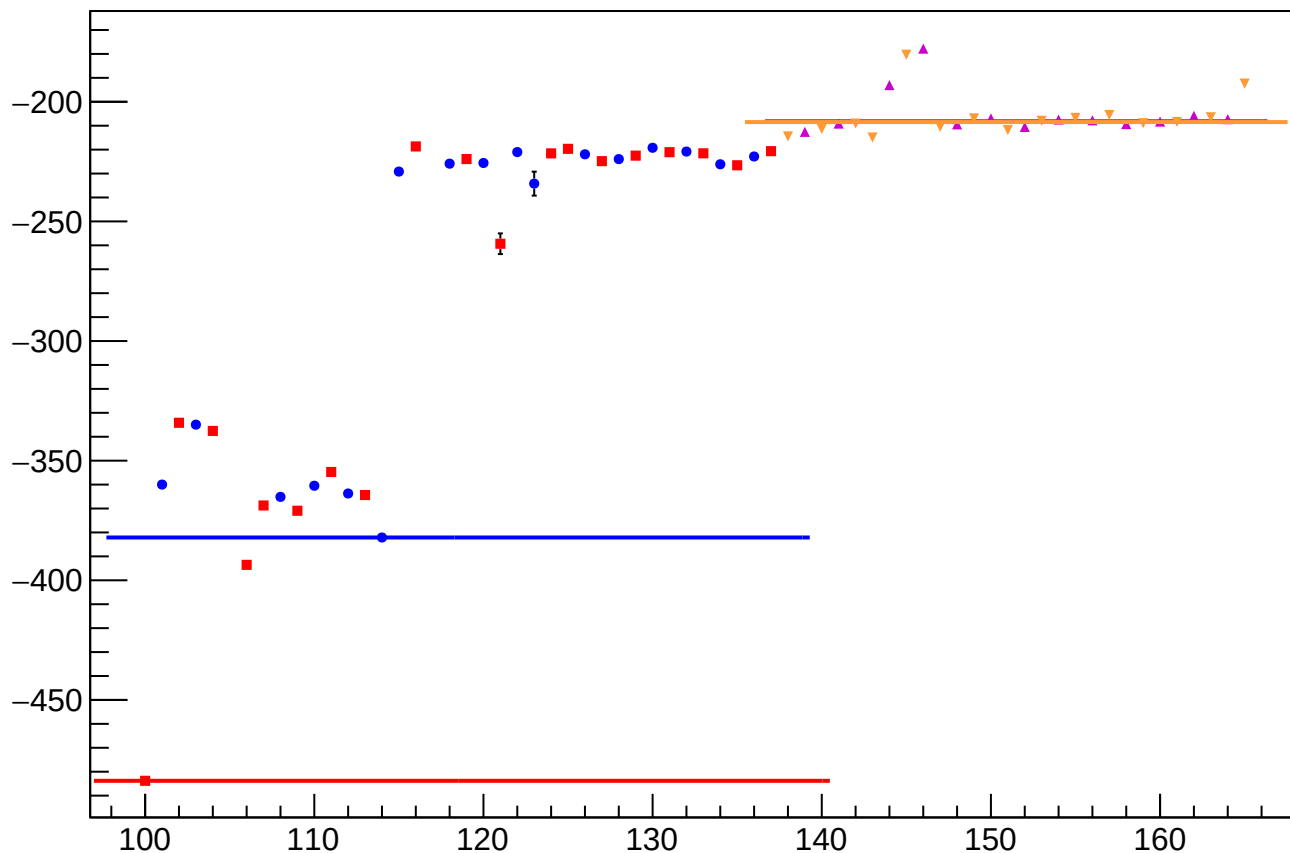
Right: 54.556+/-0.000 χ^2/NDF : 11453944.4/35

In: 54.556+/-0.000 χ^2/NDF : 32922555.2/29

Out: 14.889+/-0.007 χ^2/NDF : 205599.7/33

All: 54.556+/-0.000 χ^2/NDF : 61880233.4/63

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 18398024.3/16

Left Out: -208.481+/-0.018 χ^2/NDF : 61800.6/14

Right Out: -483.800+/-0.000 χ^2/NDF : 24338683.6/18

Left In: -208.127+/-0.017 χ^2/NDF : 15487.6/12

Left: -208.294+/-0.012 χ^2/NDF : 77489.1/27

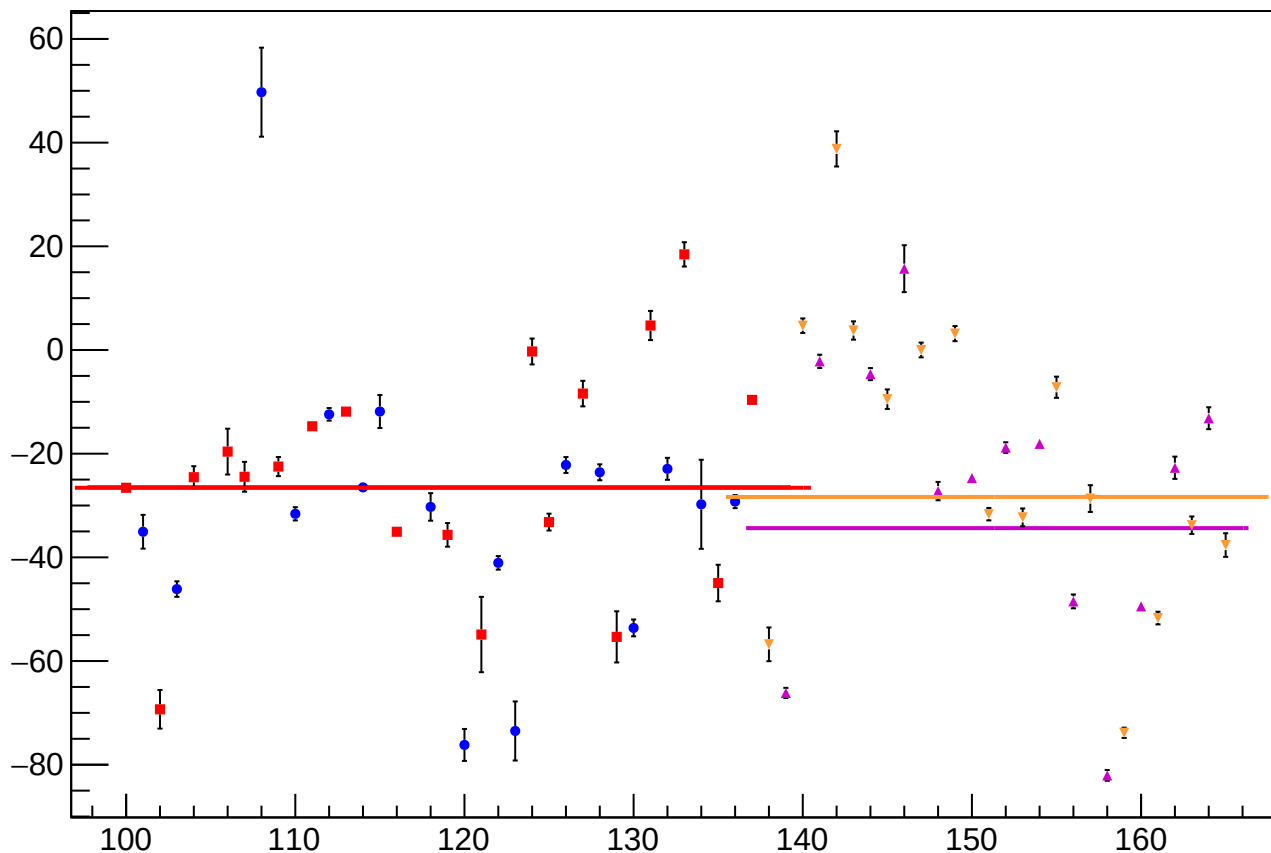
Right: -417.999+/-0.000 χ^2/NDF : 12425488813367

In: -382.108+/-0.000 χ^2/NDF : 121106009.6/29

Out: -483.800+/-0.000 χ^2/NDF : 253931727.3/33

All: -417.999+/-0.000 χ^2/NDF : 12425488813

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 1180.7/16$

Left Out: -28.348 ± 0.412 $\chi^2/\text{NDF}: 4921.5/14$

Right Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 2640.9/18$

Left In: -34.362 ± 0.323 $\chi^2/\text{NDF}: 5751.8/12$

Left: -32.068 ± 0.254 $\chi^2/\text{NDF}: 10805.3/27$

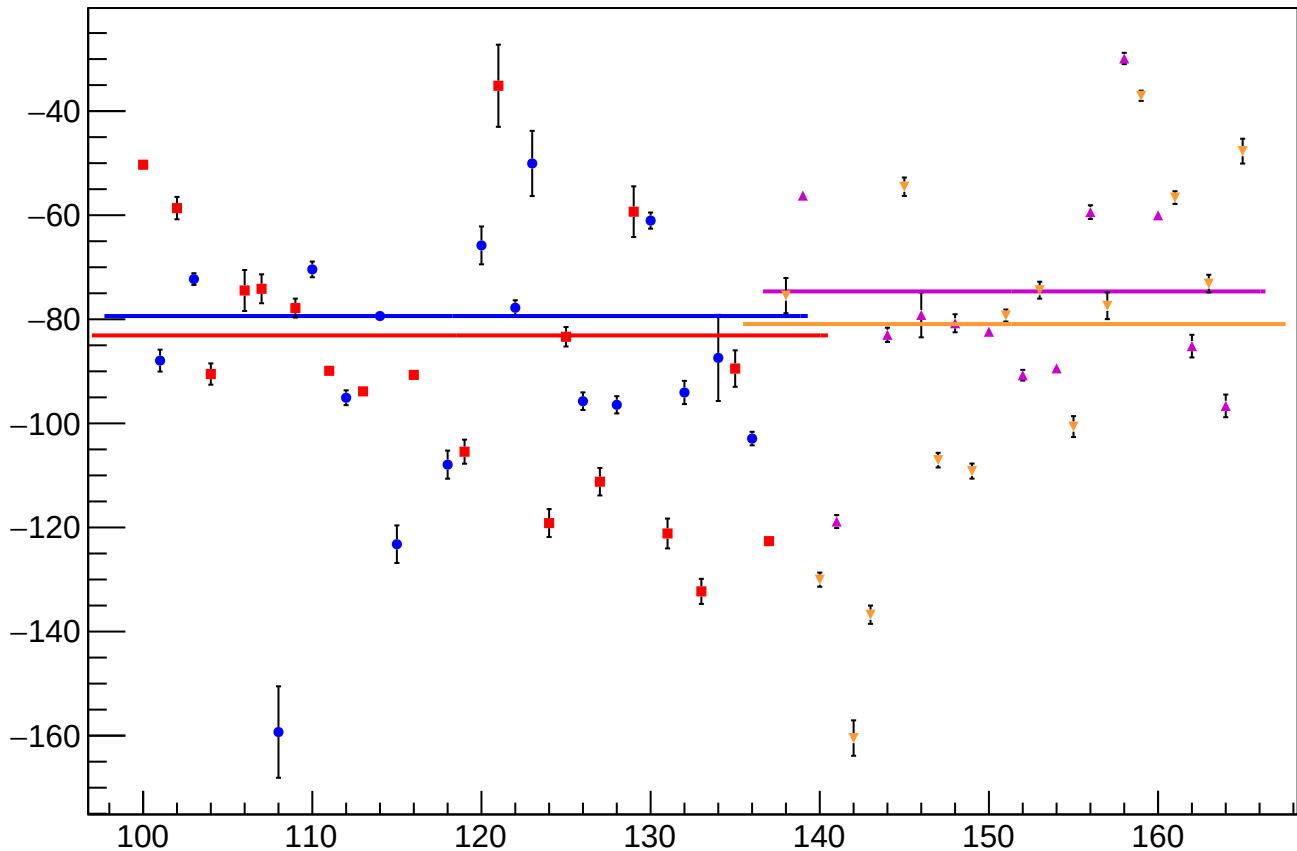
Right: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654659$

In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 7523.1/29$

Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 7580.9/33$

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: -80.915 ± 0.406 $\chi^2/\text{NDF}: 6511.9/14$

Right Out: -83.099 ± 0.178 $\chi^2/\text{NDF}: 11915.8/18$

Left In: -74.643 ± 0.320 $\chi^2/\text{NDF}: 4543.1/12$

Left: -77.051 ± 0.251 $\chi^2/\text{NDF}: 11202.2/27$

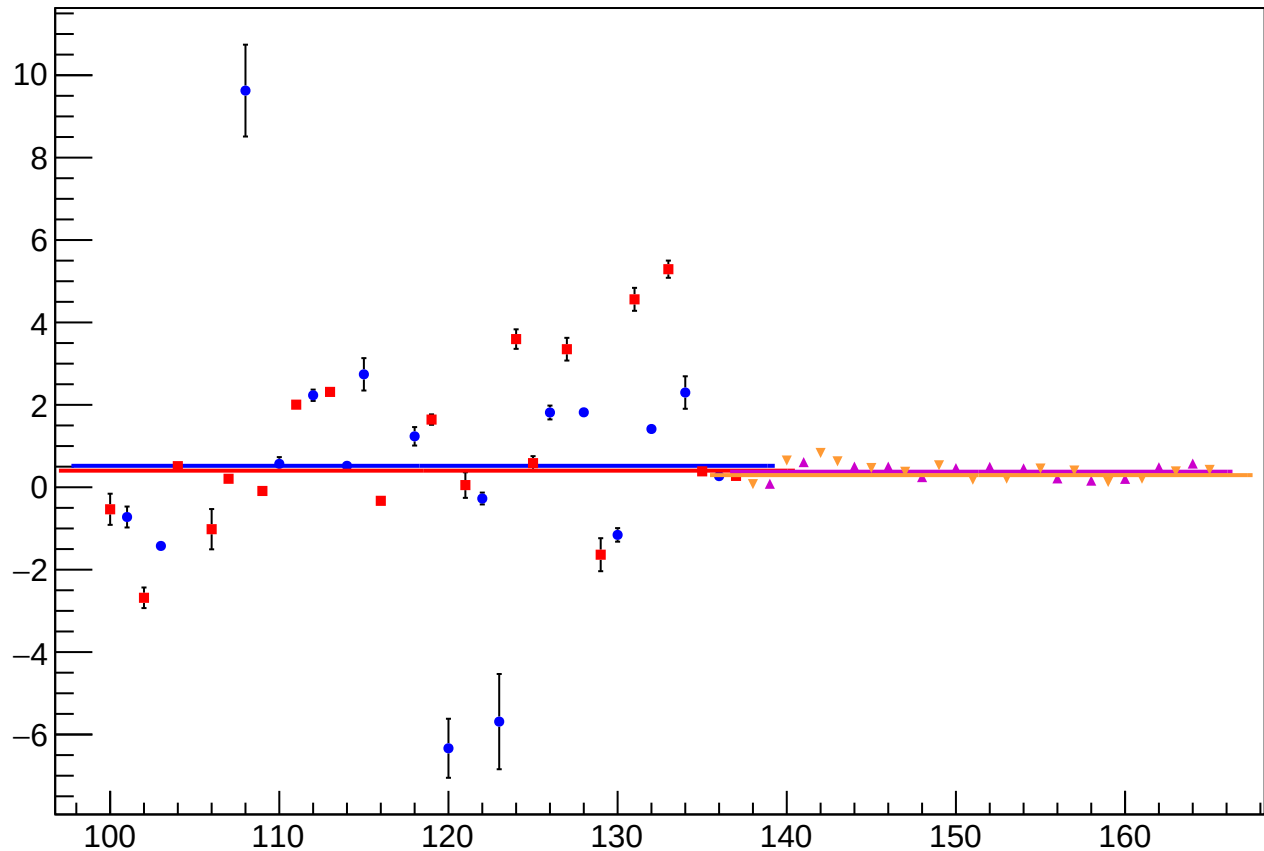
Right: -79.376 ± 0.000 $\chi^2/\text{NDF}: 13657.0/35$

In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 6066.2/29$

Out: -82.746 ± 0.163 $\chi^2/\text{NDF}: 18452.0/33$

All: -79.376 ± 0.000 $\chi^2/\text{NDF}: 24944.9/63$

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521+/-0.000 χ^2/NDF : 3370.8/16

Left Out: 0.294+/-0.002 χ^2/NDF : 5846.1/14

Right Out: 0.403+/-0.011 χ^2/NDF : 2727.5/18

Left In: 0.378+/-0.002 χ^2/NDF : 8661.3/12

Left: 0.345+/-0.002 χ^2/NDF : 15203.1/27

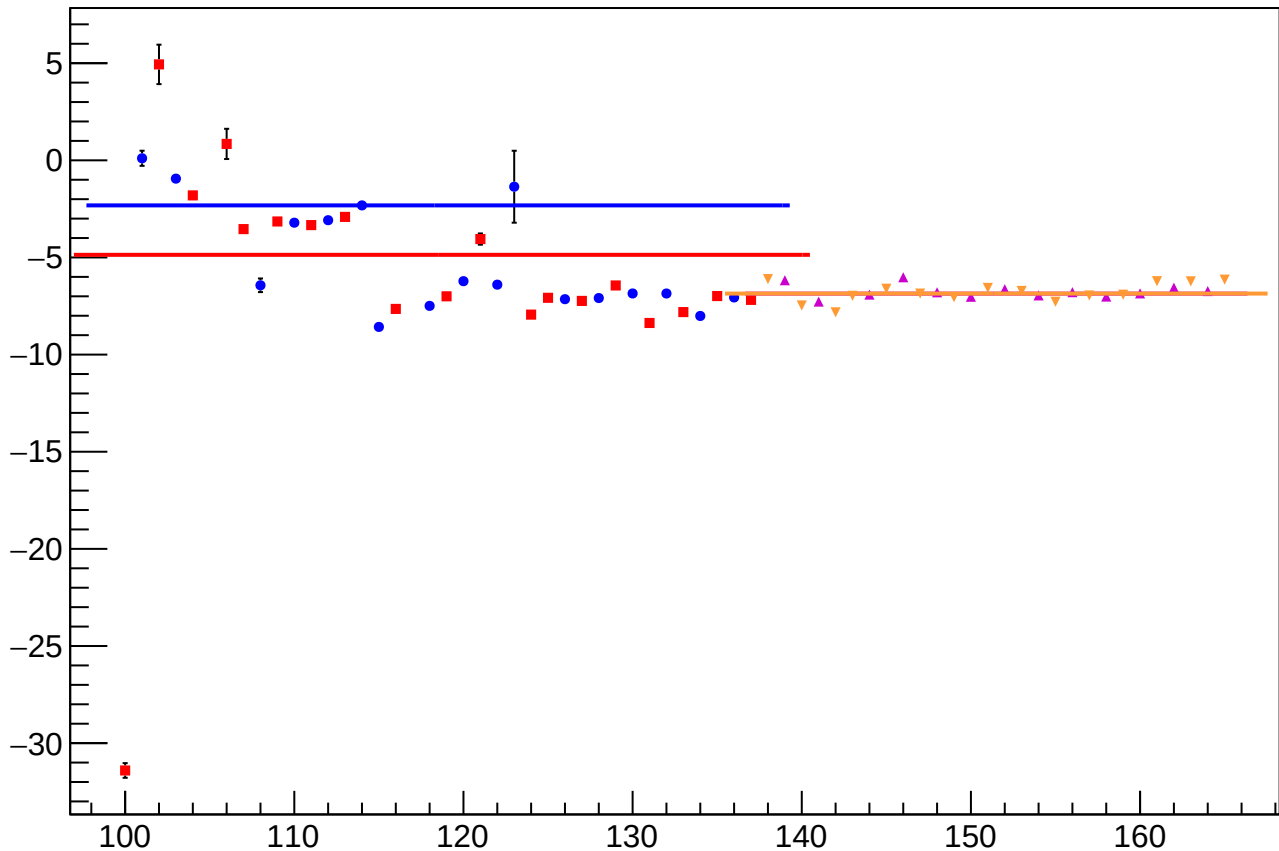
Right: 0.521+/-0.000 χ^2/NDF : 6215.1/35

In: 0.521+/-0.000 χ^2/NDF : 17231.8/29

Out: 0.300+/-0.002 χ^2/NDF : 8668.9/33

All: 0.521+/-0.000 χ^2/NDF : 34445.1/63

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 270771.9/16$

Left Out: -6.859 ± 0.003 $\chi^2/\text{NDF}: 4423.2/14$

Right Out: -4.864 ± 0.010 $\chi^2/\text{NDF}: 49380.5/18$

Left In: -6.862 ± 0.003 $\chi^2/\text{NDF}: 5184.4/12$

Left: -6.861 ± 0.002 $\chi^2/\text{NDF}: 9608.2/27$

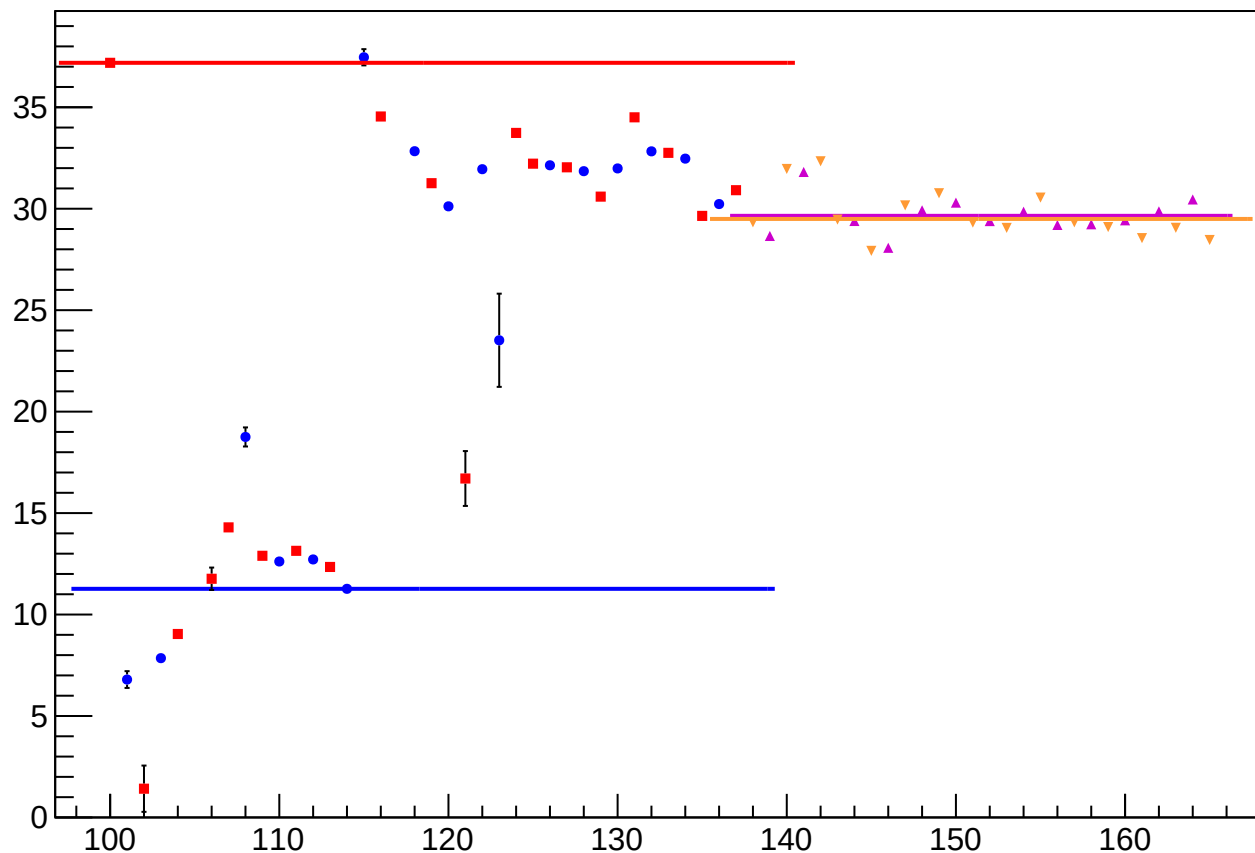
Right: -2.320 ± 0.000 $\chi^2/\text{NDF}: 381161.7/35$

In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 2581523.6/29$

Out: -6.683 ± 0.003 $\chi^2/\text{NDF}: 87979.1/33$

All: -2.320 ± 0.000 $\chi^2/\text{NDF}: 4705104.1/63$

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268 ± 0.000 $\chi^2/\text{NDF}: 958029.3/16$

Left Out: 29.497 ± 0.012 $\chi^2/\text{NDF}: 6611.4/14$

Right Out: 37.191 ± 0.000 $\chi^2/\text{NDF}: 1121929.1/18$

Left In: 29.650 ± 0.010 $\chi^2/\text{NDF}: 3221.8/12$

Left: 29.586 ± 0.008 $\chi^2/\text{NDF}: 9927.0/27$

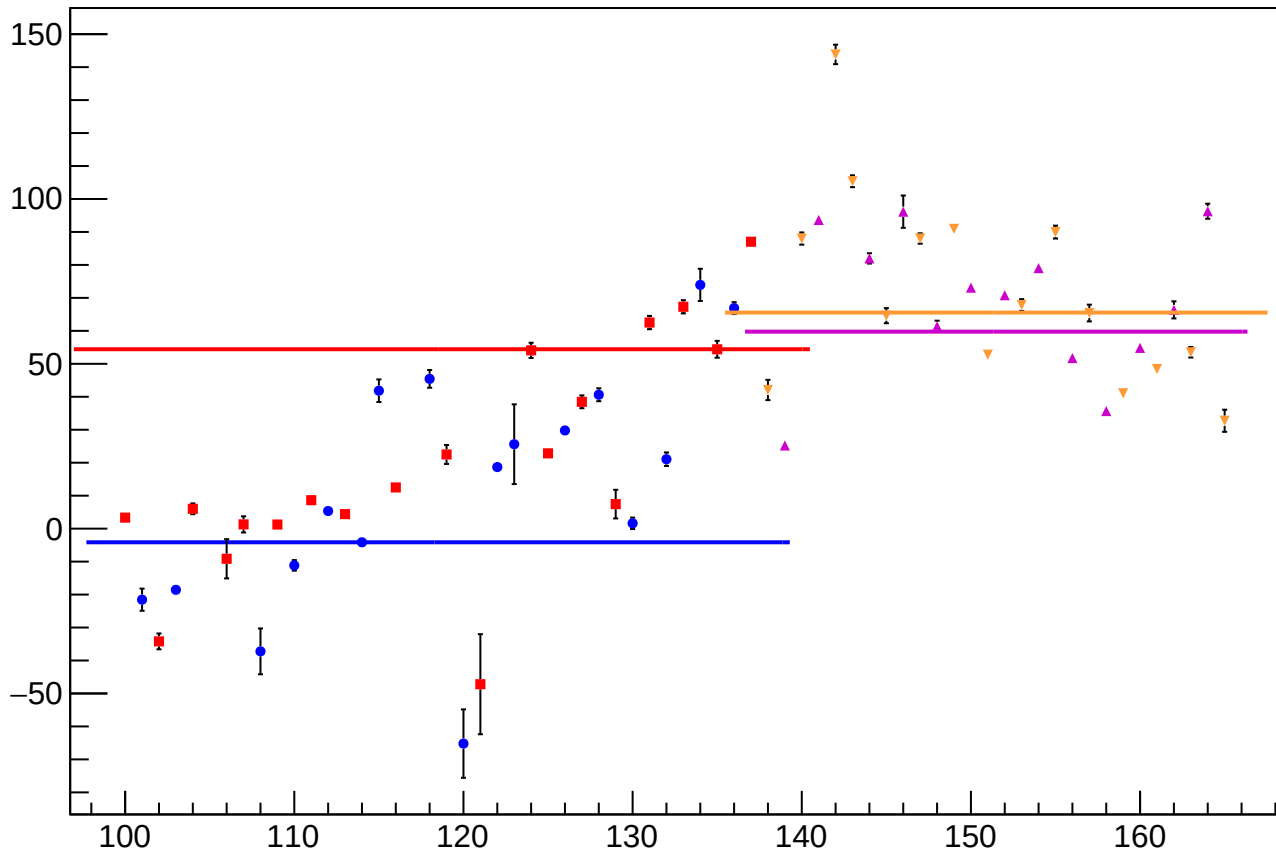
Right: 12.122 ± 0.000 $\chi^2/\text{NDF}: 7723055694978834$

In: 11.268 ± 0.000 $\chi^2/\text{NDF}: 4237051.7/29$

Out: 37.191 ± 0.000 $\chi^2/\text{NDF}: 1534342.4/33$

All: 12.122 ± 0.000 $\chi^2/\text{NDF}: 7723055694978$

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 χ^2/NDF : 4654.2/16

Left Out: 65.543 ± 0.425 χ^2/NDF : 3152.7/14

Right Out: 54.427 ± 0.170 χ^2/NDF : 53998.7/18

Left In: 59.760 ± 0.322 χ^2/NDF : 4686.2/12

Left: 61.872 ± 0.257 χ^2/NDF : 7956.6/27

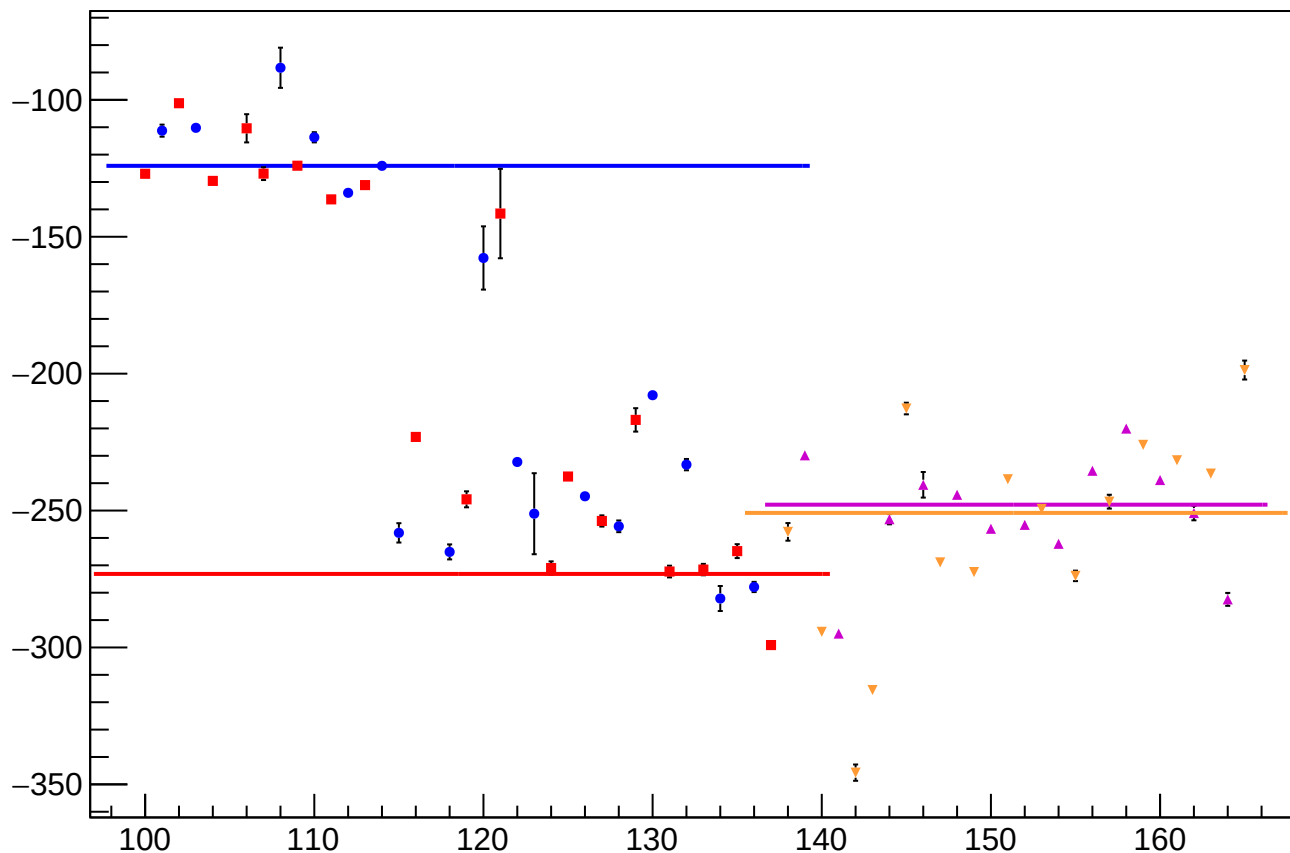
Right: -4.139 ± 0.000 χ^2/NDF : 177029.3/35

In: -4.139 ± 0.000 χ^2/NDF : 48685.2/29

Out: 55.965 ± 0.158 χ^2/NDF : 57741.7/33

All: -4.139 ± 0.000 χ^2/NDF : 251135.7/63

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095+/-0.000 χ^2/NDF : 38152.5/16

Left Out: -250.851+/-0.419 χ^2/NDF : 5022.7/14

Right Out: -273.143+/-0.113 χ^2/NDF : 280141.9/18

Left In: -247.851+/-0.317 χ^2/NDF : 3440.5/12

Left: -248.943+/-0.253 χ^2/NDF : 8495.8/27

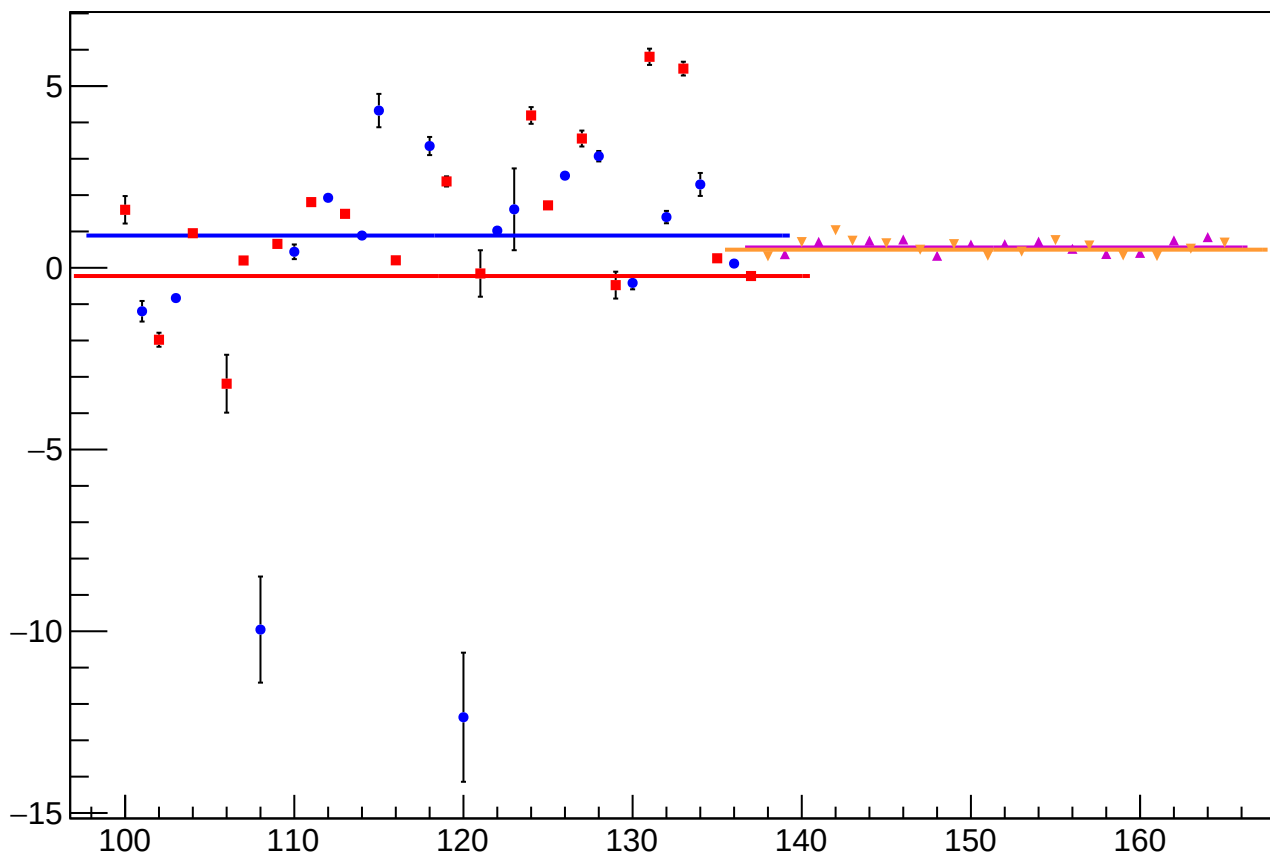
Right: -124.095+/-0.000 χ^2/NDF : 2066776.4/35

In: -124.095+/-0.000 χ^2/NDF : 194271.3/29

Out: -271.637+/-0.109 χ^2/NDF : 287806.7/33

All: -124.095+/-0.000 χ^2/NDF : 2319535.7/63

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 8672.0/16$

Left Out: 0.499 ± 0.003 $\chi^2/\text{NDF}: 3590.1/14$

Right Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 5031.1/18$

Left In: 0.560 ± 0.002 $\chi^2/\text{NDF}: 3949.4/12$

Left: 0.535 ± 0.002 $\chi^2/\text{NDF}: 7784.8/27$

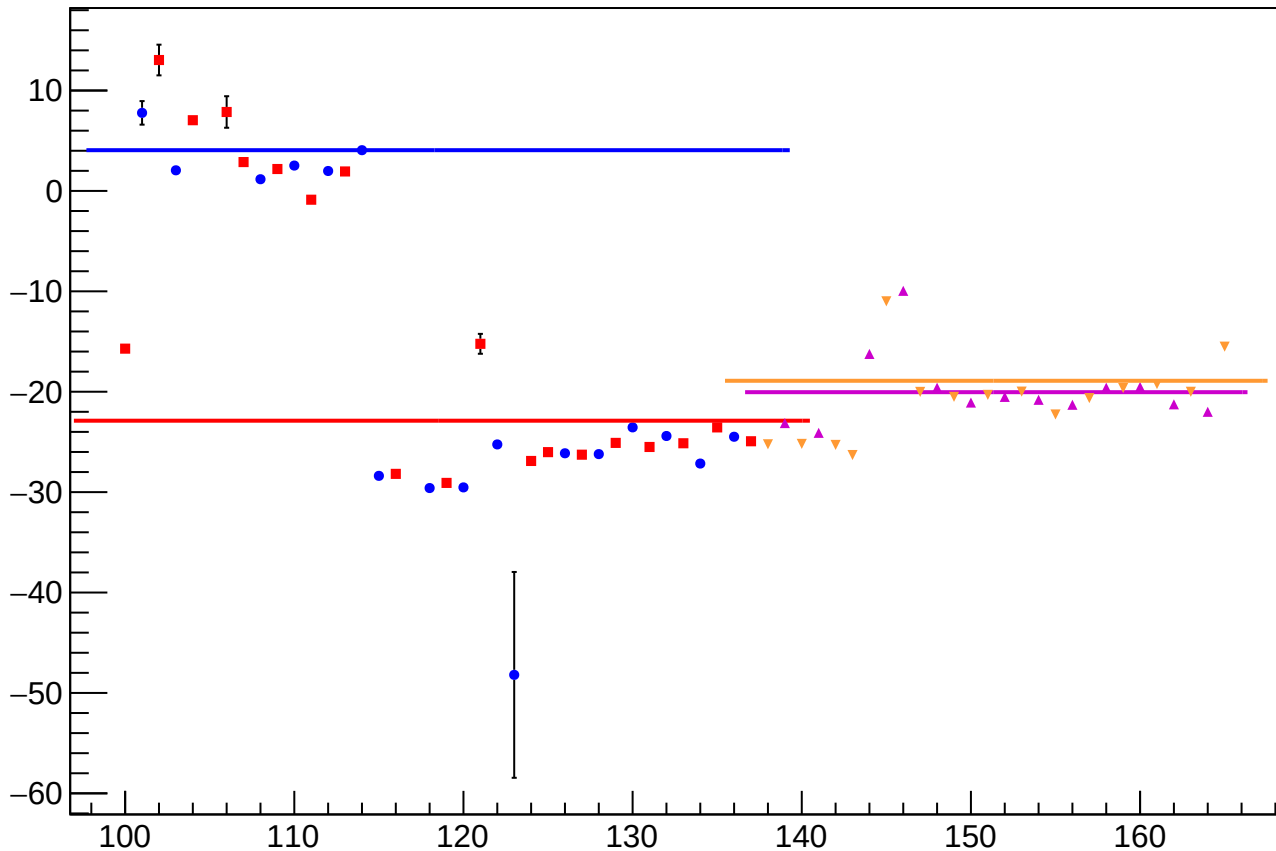
Right: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422220530.0/35$

In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 30022.5/29$

Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 68695.2/33$

All: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422262728.0/63$

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 χ^2/NDF : 1247888.2/16

Left Out: -18.909 ± 0.014 χ^2/NDF : 78573.4/14

Right Out: -22.885 ± 0.026 χ^2/NDF : 116508.9/18

Left In: -20.045 ± 0.012 χ^2/NDF : 20730.1/12

Left: -19.559 ± 0.009 χ^2/NDF : 103263.4/27

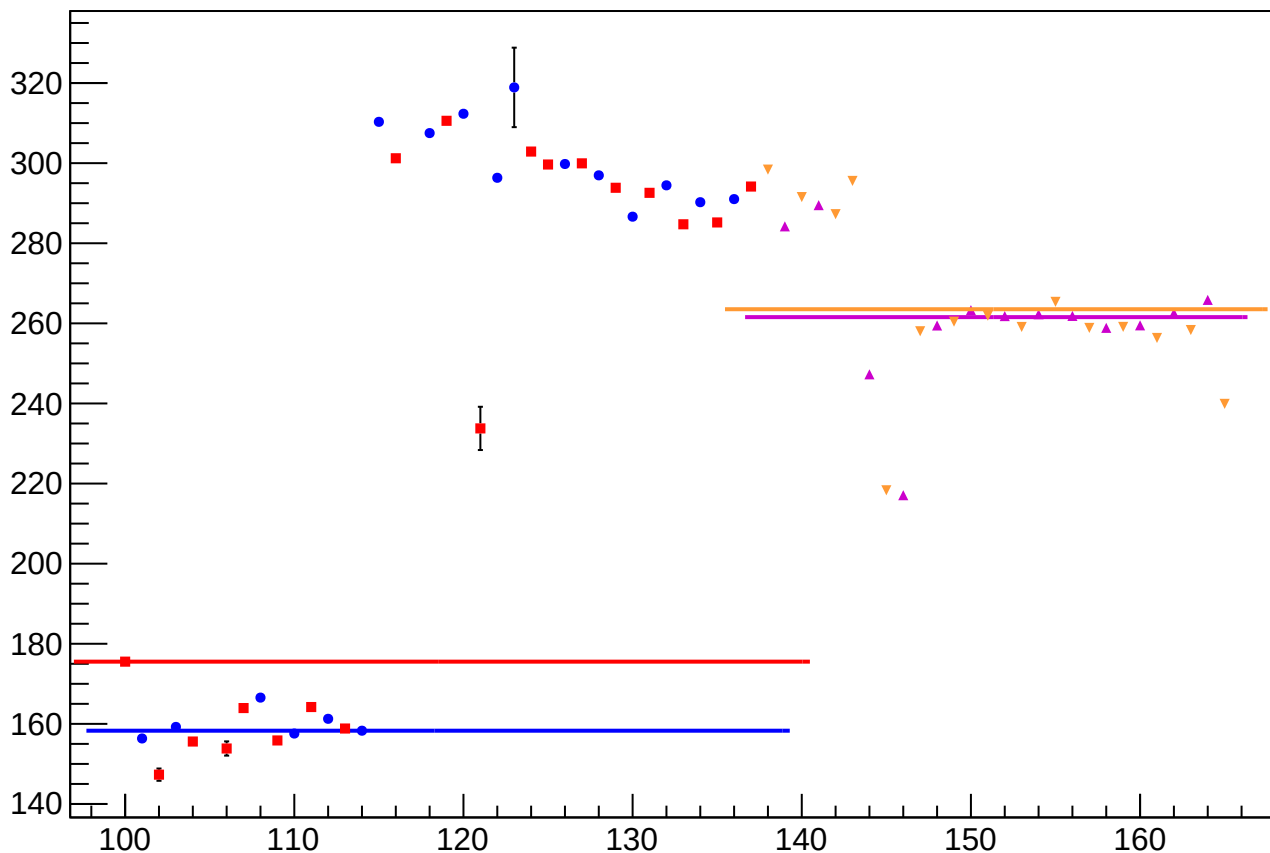
Right: 4.057 ± 0.000 χ^2/NDF : 2412173.4/35

In: 4.057 ± 0.000 χ^2/NDF : 5434484.7/29

Out: -19.752 ± 0.012 χ^2/NDF : 213061.0/33

All: 4.057 ± 0.000 χ^2/NDF : 9508377.3/63

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293 ± 0.000 χ^2/NDF : 2410913.3/16

Left Out: 263.530 ± 0.037 χ^2/NDF : 190446.5/14

Right Out: 175.536 ± 0.000 χ^2/NDF : 2100196.2/18

Left In: 261.556 ± 0.033 χ^2/NDF : 38586.8/12

Left: 262.421 ± 0.025 χ^2/NDF : 230594.3/27

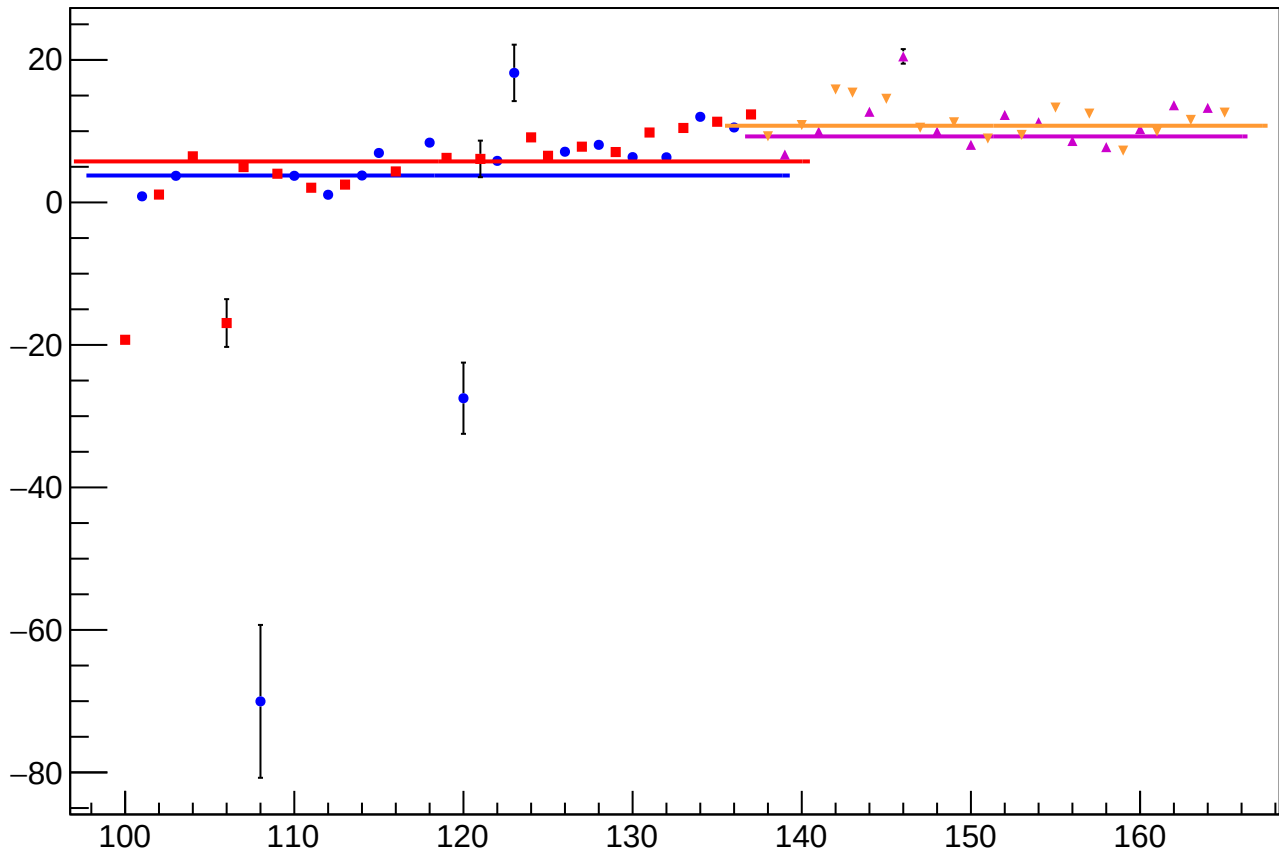
Right: 172.618 ± 0.000 χ^2/NDF : 373727491225928

In: 158.293 ± 0.000 χ^2/NDF : 12205362.9/29

Out: 175.536 ± 0.000 χ^2/NDF : 7815567.0/33

All: 172.618 ± 0.000 χ^2/NDF : 373727491225

dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 3.778 ± 0.000 χ^2/NDF : 6871.4/16

Left Out: 10.764 ± 0.036 χ^2/NDF : 2179.3/14

Right Out: 5.756 ± 0.026 χ^2/NDF : 22291.6/18

Left In: 9.264 ± 0.034 χ^2/NDF : 3026.9/12

Left: 9.985 ± 0.025 χ^2/NDF : 6117.5/27

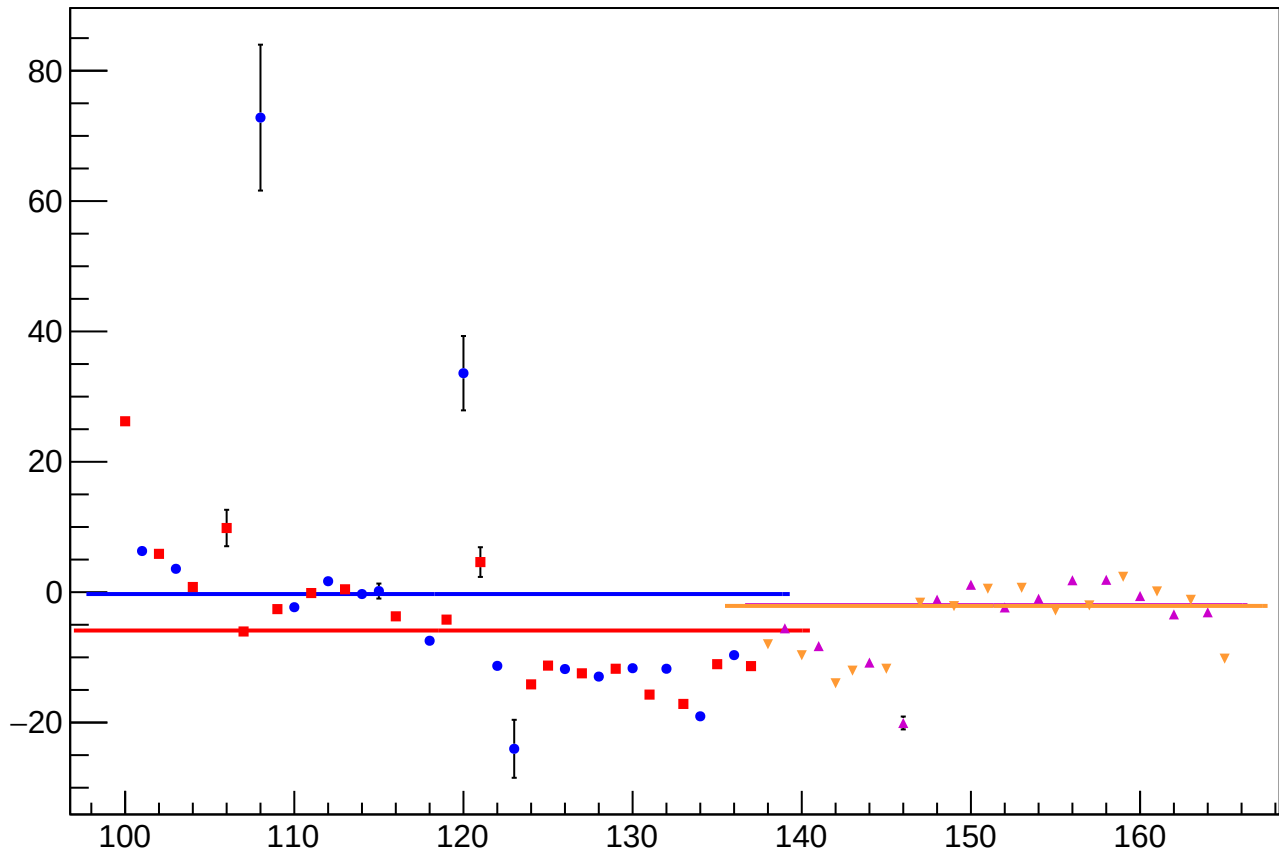
Right: 3.778 ± 0.000 χ^2/NDF : 35056.1/35

In: 3.778 ± 0.000 χ^2/NDF : 35233.6/29

Out: 7.463 ± 0.021 χ^2/NDF : 37355.6/33

All: 3.778 ± 0.000 χ^2/NDF : 103622.0/63

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 χ^2/NDF : 44276.5/16

Left Out: -2.108 ± 0.036 χ^2/NDF : 9606.3/14

Right Out: -5.882 ± 0.027 χ^2/NDF : 63493.9/18

Left In: -1.989 ± 0.035 χ^2/NDF : 11697.7/12

Left: -2.047 ± 0.025 χ^2/NDF : 21309.7/27

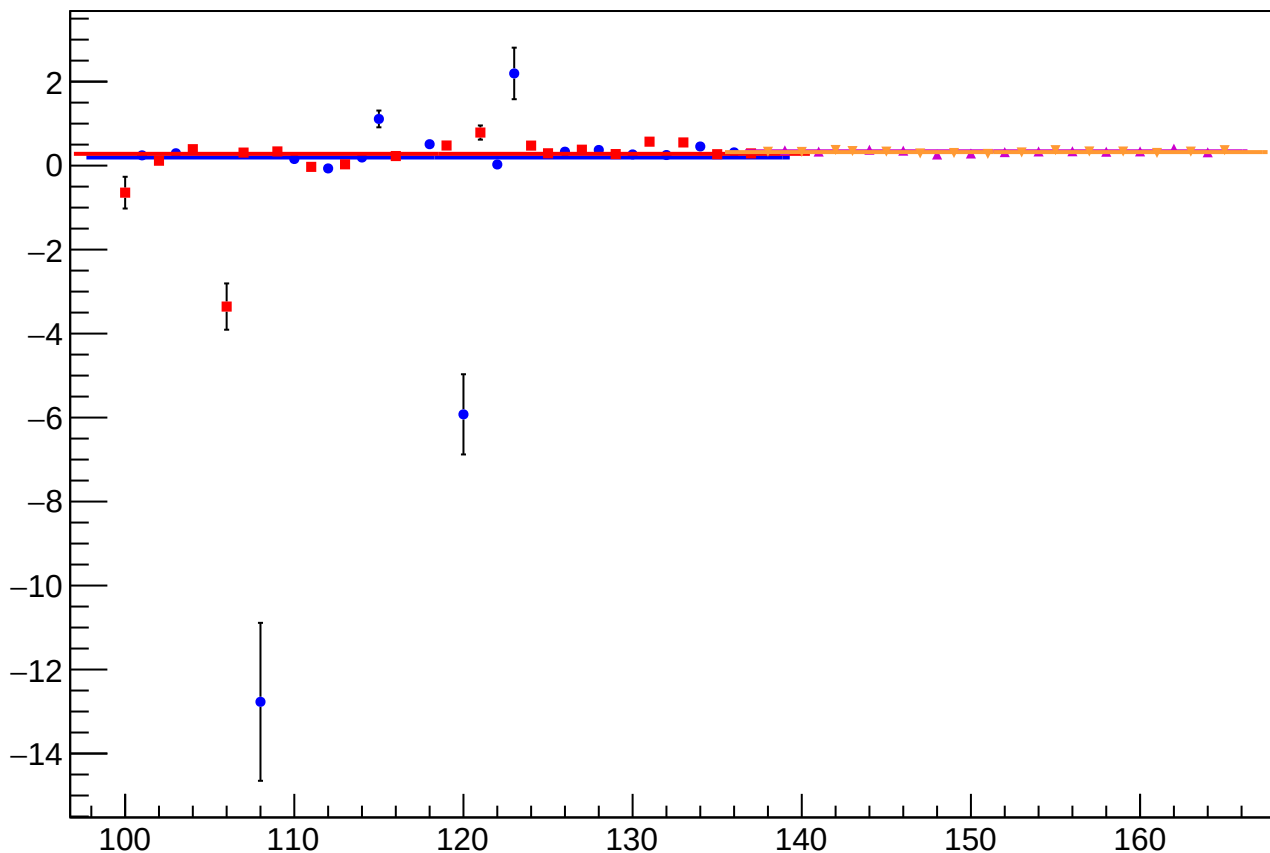
Right: -0.287 ± 0.000 χ^2/NDF : 150060.6/35

In: -0.287 ± 0.000 χ^2/NDF : 58383.2/29

Out: -4.491 ± 0.022 χ^2/NDF : 80193.4/33

All: -0.287 ± 0.000 χ^2/NDF : 176389.0/63

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193 $\pm$ 0.000 χ^2 /NDF: 10027.5/16

Left Out: 0.322 $\pm$ 0.001 χ^2 /NDF:1424.5/14

Right Out: 0.280 $\pm$ 0.001 χ^2 /NDF: 6059.0/18

Left In: 0.341 $\pm$ 0.001 χ^2 /NDF:2940.2/12

Left: 0.331 $\pm$ 0.000 χ^2 /NDF: 4836.7/27

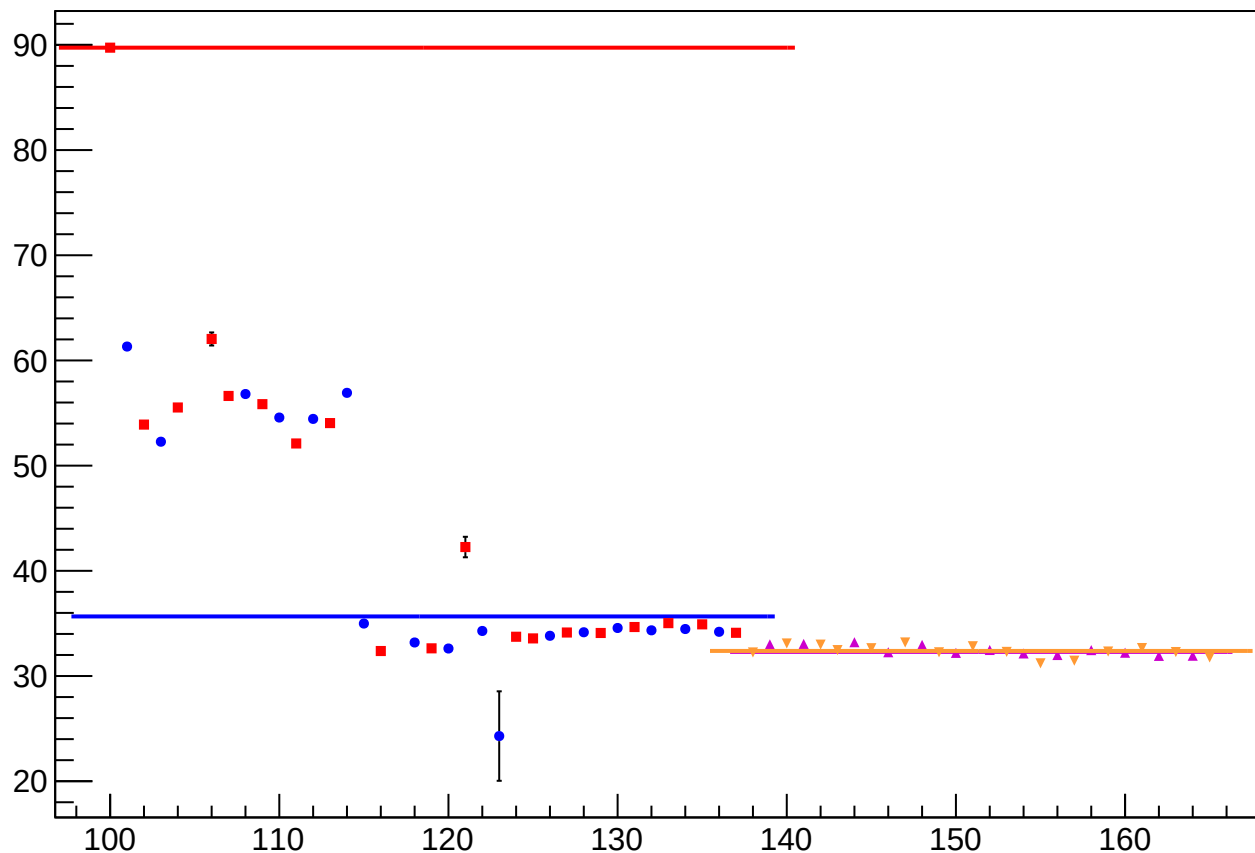
Right: 0.193 $\pm$ 0.000 χ^2 /NDF: 19578.7/35

In: 0.193 $\pm$ 0.000 χ^2 /NDF:64389.6/29

Out: 0.315 $\pm$ 0.001 χ^2 /NDF:8143.3/33

All: 0.193 $\pm$ 0.000 χ^2 /NDF: 117331.1/63

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.664 $\pm$ 0.011 χ^2 /NDF: 218662.5/16

Left Out: 32.385 $\pm$ 0.004 χ^2 /NDF:3864.6/14

Right Out: 89.735 $\pm$ 0.000 χ^2 /NDF: 25801560.6/18

Left In: 32.292 $\pm$ 0.004 χ^2 /NDF:5954.3/12

Left: 32.335 $\pm$ 0.003 χ^2 /NDF: 10068.8/27

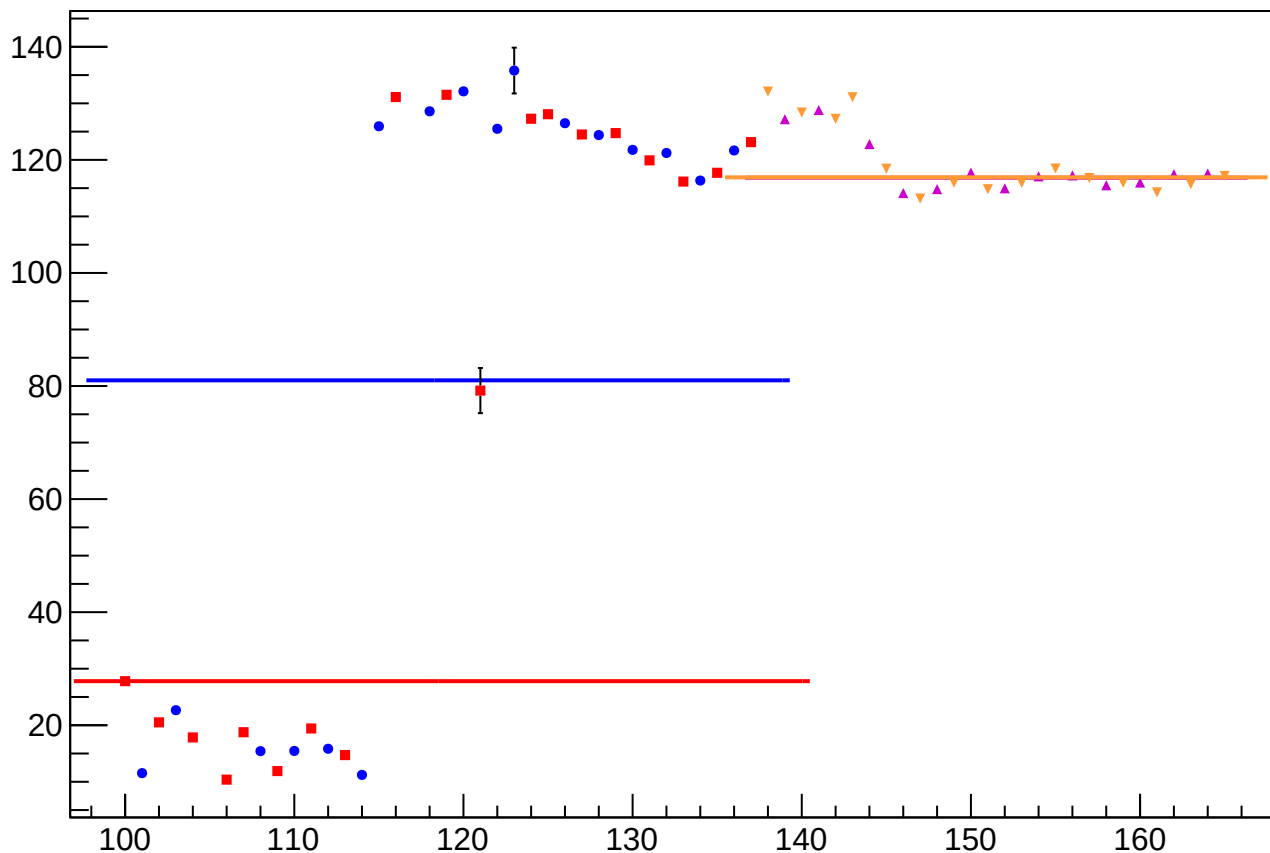
Right: 89.735 $\pm$ 0.000 χ^2 /NDF: 48650023.7/35

In: 32.660 $\pm$ 0.004 χ^2 /NDF:303021.3/29

Out: 89.735 $\pm$ 0.000 χ^2 /NDF:203215660.4/33

All: 89.735 $\pm$ 0.000 χ^2 /NDF: 434550882.3/63

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 81.005+/-0.035 χ^2 /NDF: 2228881.4/16

Left Out: 116.910+/-0.010 χ^2 /NDF:138230.7/14

Right Out: 27.798+/-0.000 χ^2 /NDF: 9183707.8/18

Left In: 116.845+/-0.010 χ^2 /NDF:40850.1/12

Left: 116.876+/-0.007 χ^2 /NDF: 179102.9/27

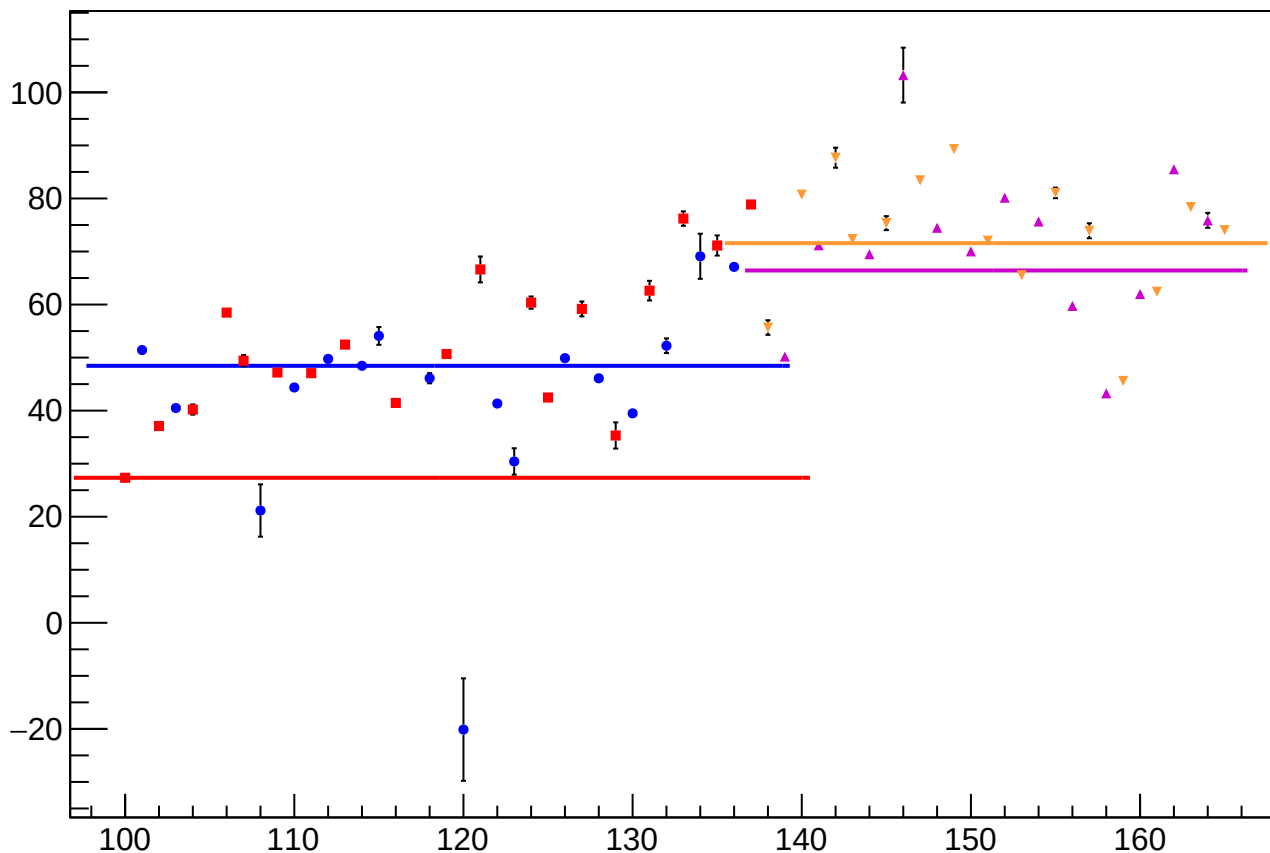
Right: 27.798+/-0.000 χ^2 /NDF: 13786729.0/35

In: 114.298+/-0.009 χ^2 /NDF:3270376.6/29

Out: 27.798+/-0.000 χ^2 /NDF:89673613.6/33

All: 27.798+/-0.000 χ^2 /NDF: 181252863.9/63

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450 $\pm$ 0.000 χ^2 /NDF: 2751.4/16

Left Out: 71.576 $\pm$ 0.209 χ^2 /NDF:3908.4/14

Right Out: 27.342 $\pm$ 0.000 χ^2 /NDF: 25810.4/18

Left In: 66.424 $\pm$ 0.176 χ^2 /NDF:4284.9/12

Left: 68.566 $\pm$ 0.135 χ^2 /NDF: 8549.2/27

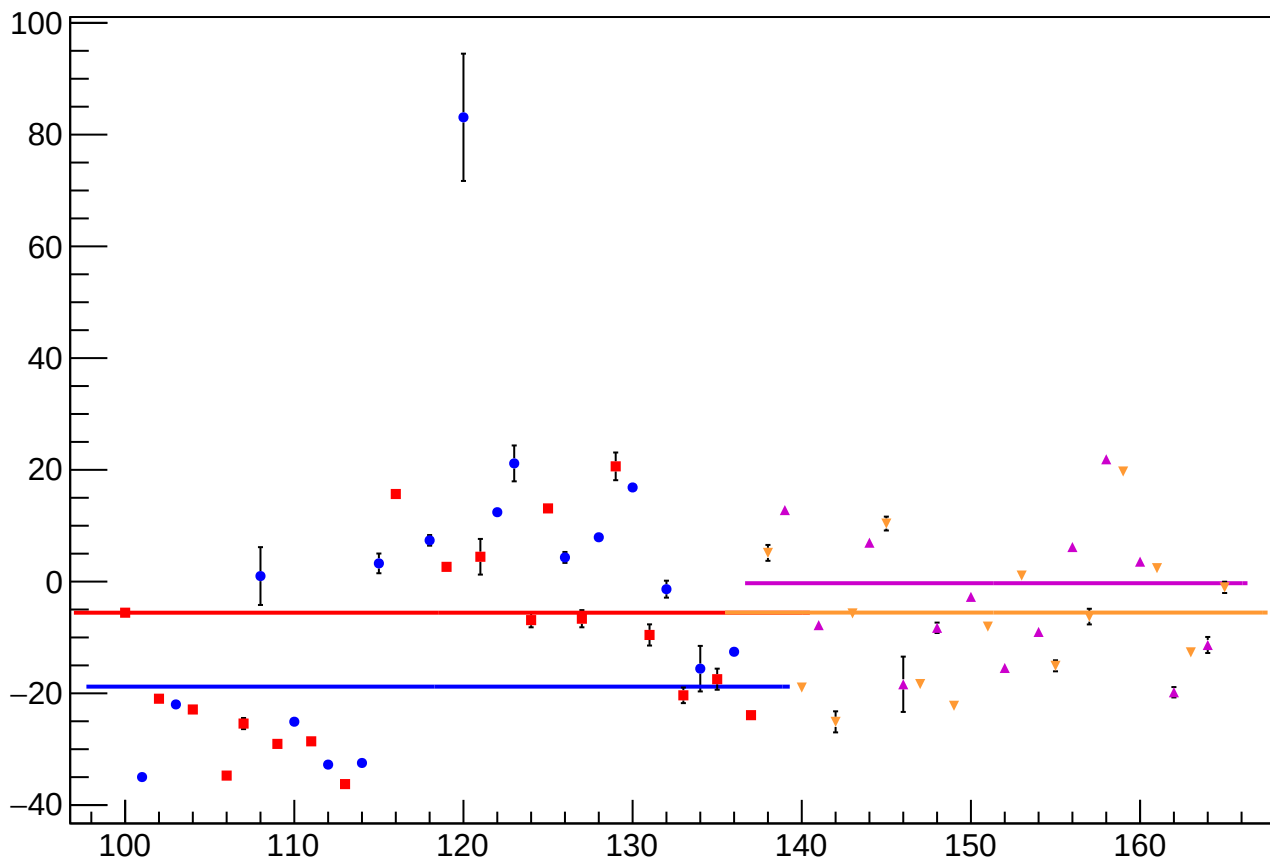
Right: 28.365 $\pm$ 0.000 χ^2 /NDF: 1026290104888328

In: 48.450 $\pm$ 0.000 χ^2 /NDF:17454.1/29

Out: 27.342 $\pm$ 0.000 χ^2 /NDF:74622.0/33

All: 28.365 $\pm$ 0.000 χ^2 /NDF: 1026290104888

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -18.800 ± 0.148 χ^2/NDF : 11764.7/16

Left Out: -5.545 ± 0.208 χ^2/NDF : 4154.8/14

Right Out: -5.568 ± 0.000 χ^2/NDF : 23097.3/18

Left In: -0.290 ± 0.174 χ^2/NDF : 3930.0/12

Left: -2.447 ± 0.133 χ^2/NDF : 8461.3/27

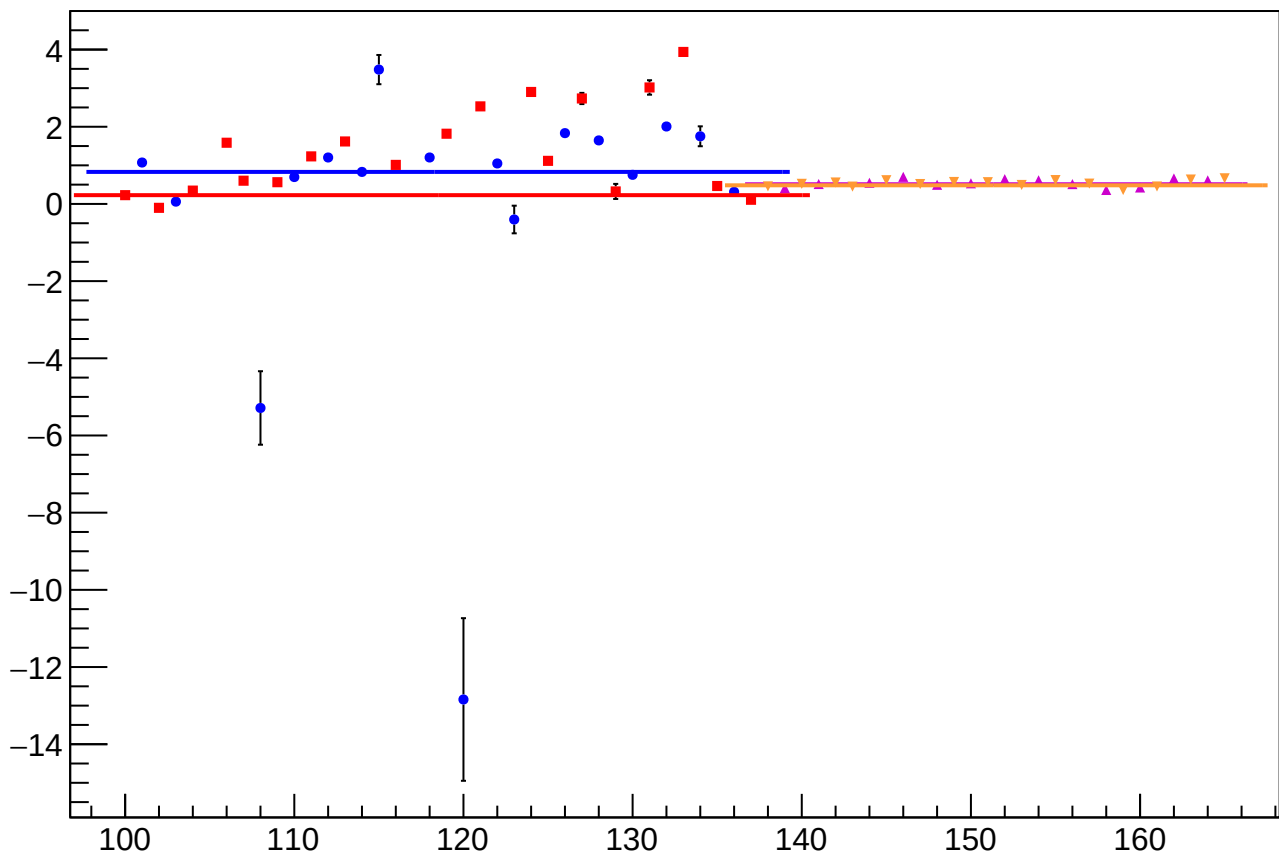
Right: -5.568 ± 0.000 χ^2/NDF : 42808.5/35

In: -10.979 ± 0.113 χ^2/NDF : 22264.9/29

Out: -5.568 ± 0.000 χ^2/NDF : 27252.1/33

All: -5.568 ± 0.000 χ^2/NDF : 51818.3/63

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 14882.7/16$

Left Out: 0.483 ± 0.001 $\chi^2/\text{NDF}: 6042.6/14$

Right Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 11819.9/18$

Left In: 0.510 ± 0.001 $\chi^2/\text{NDF}: 7659.4/12$

Left: 0.497 ± 0.001 $\chi^2/\text{NDF}: 13952.9/27$

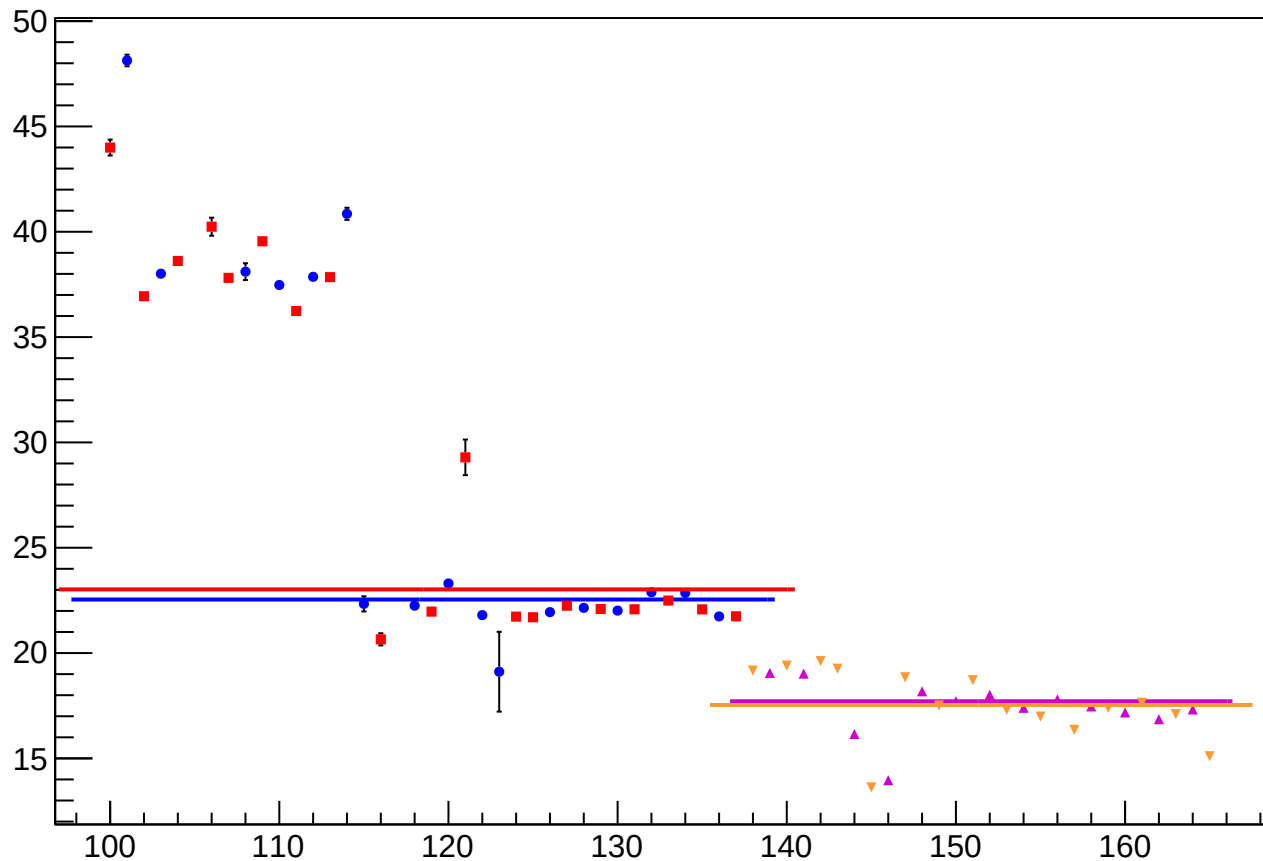
Right: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457147$

In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 91822.8/29$

Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 60509.4/33$

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: 17.536 ± 0.006 $\chi^2/\text{NDF}: 71430.8/14$

Right Out: 23.023 ± 0.009 $\chi^2/\text{NDF}: 165838.0/18$

Left In: 17.712 ± 0.007 $\chi^2/\text{NDF}: 13594.7/12$

Left: 17.610 ± 0.004 $\chi^2/\text{NDF}: 85400.3/27$

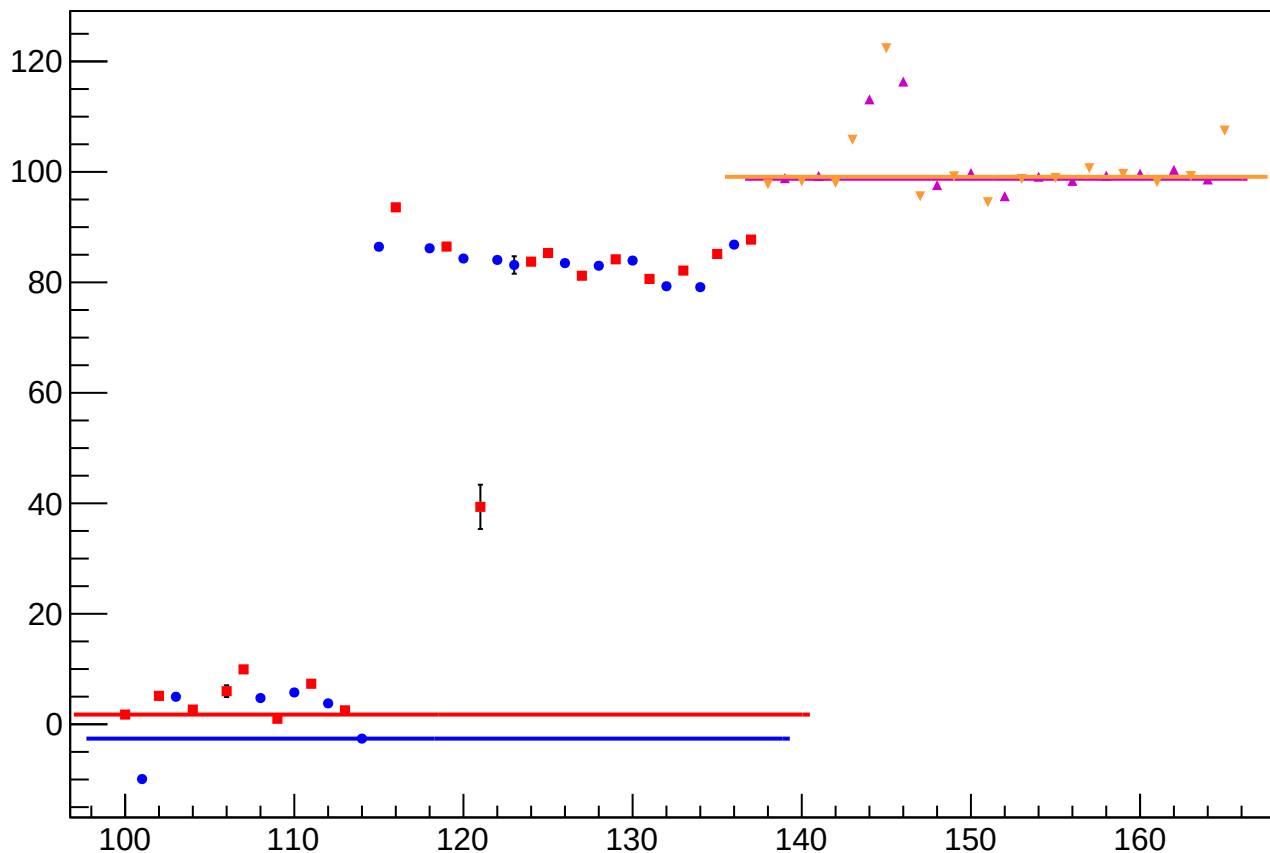
Right: 22.790 ± 0.006 $\chi^2/\text{NDF}: 272655.1/35$

In: 19.432 ± 0.006 $\chi^2/\text{NDF}: 292467.8/29$

Out: 19.164 ± 0.005 $\chi^2/\text{NDF}: 496006.8/33$

All: 19.282 ± 0.004 $\chi^2/\text{NDF}: 789776.4/63$

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596 ± 0.000 χ^2/NDF : 7395182.7/16

Left Out: 99.111 ± 0.013 χ^2/NDF : 69586.1/14

Right Out: 1.758 ± 0.000 χ^2/NDF : 4230949.4/18

Left In: 98.758 ± 0.013 χ^2/NDF : 17792.4/12

Left: 98.934 ± 0.009 χ^2/NDF : 87749.4/27

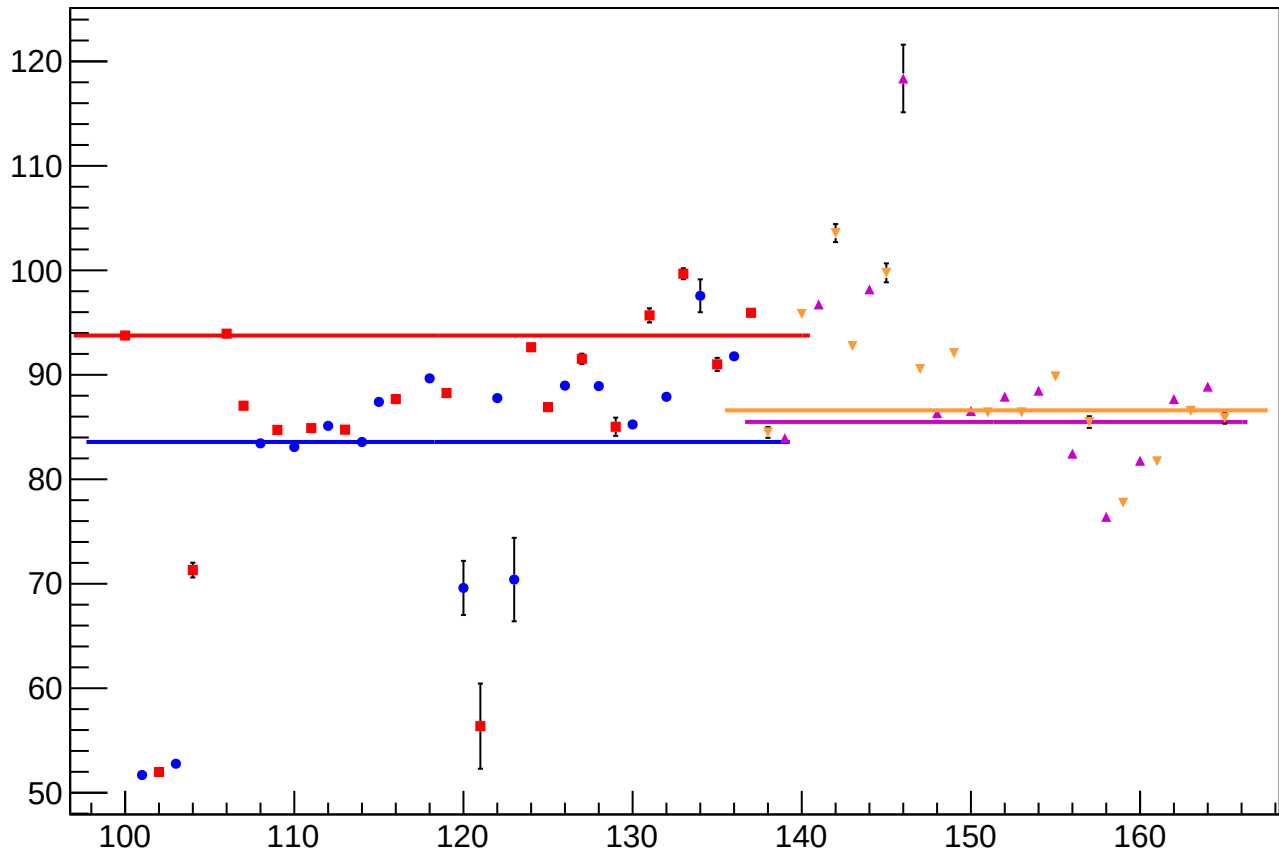
Right: -1.059 ± 0.000 χ^2/NDF : 3731791751577379

In: -2.596 ± 0.000 χ^2/NDF : 68824565.5/29

Out: 1.758 ± 0.000 χ^2/NDF : 60439206.2/33

All: -1.059 ± 0.000 χ^2/NDF : 3731791751577

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573 $\pm$ 0.000 χ^2 /NDF: 49468.0/16

Left Out: 86.601 $\pm$ 0.080 χ^2 /NDF: 5592.3/14

Right Out: 93.762 $\pm$ 0.000 χ^2 /NDF: 82848.8/18

Left In: 85.492 $\pm$ 0.064 χ^2 /NDF: 6012.1/12

Left: 85.928 $\pm$ 0.050 χ^2 /NDF: 11721.1/27

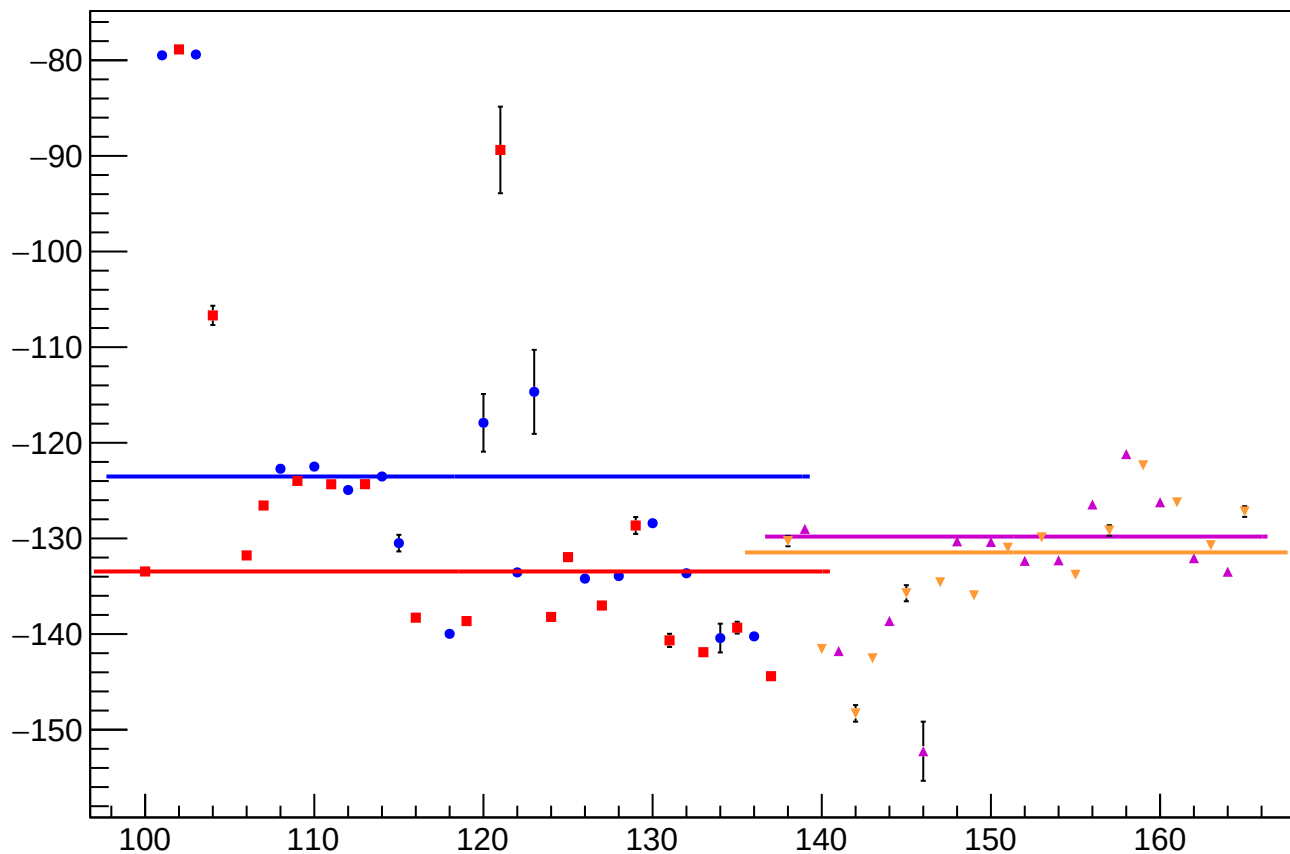
Right: 87.169 $\pm$ 0.000 χ^2 /NDF: 1995684404141260

In: 83.573 $\pm$ 0.000 χ^2 /NDF: 56369.2/29

Out: 93.762 $\pm$ 0.000 χ^2 /NDF: 96460.5/33

All: 87.169 $\pm$ 0.000 χ^2 /NDF: 1995684404141260

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 160356.5/16$

Left Out: -131.461 ± 0.080 $\chi^2/\text{NDF}: 7173.9/14$

Right Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 394896.3/18$

Left In: -129.807 ± 0.063 $\chi^2/\text{NDF}: 5210.5/12$

Left: -130.446 ± 0.049 $\chi^2/\text{NDF}: 12649.3/27$

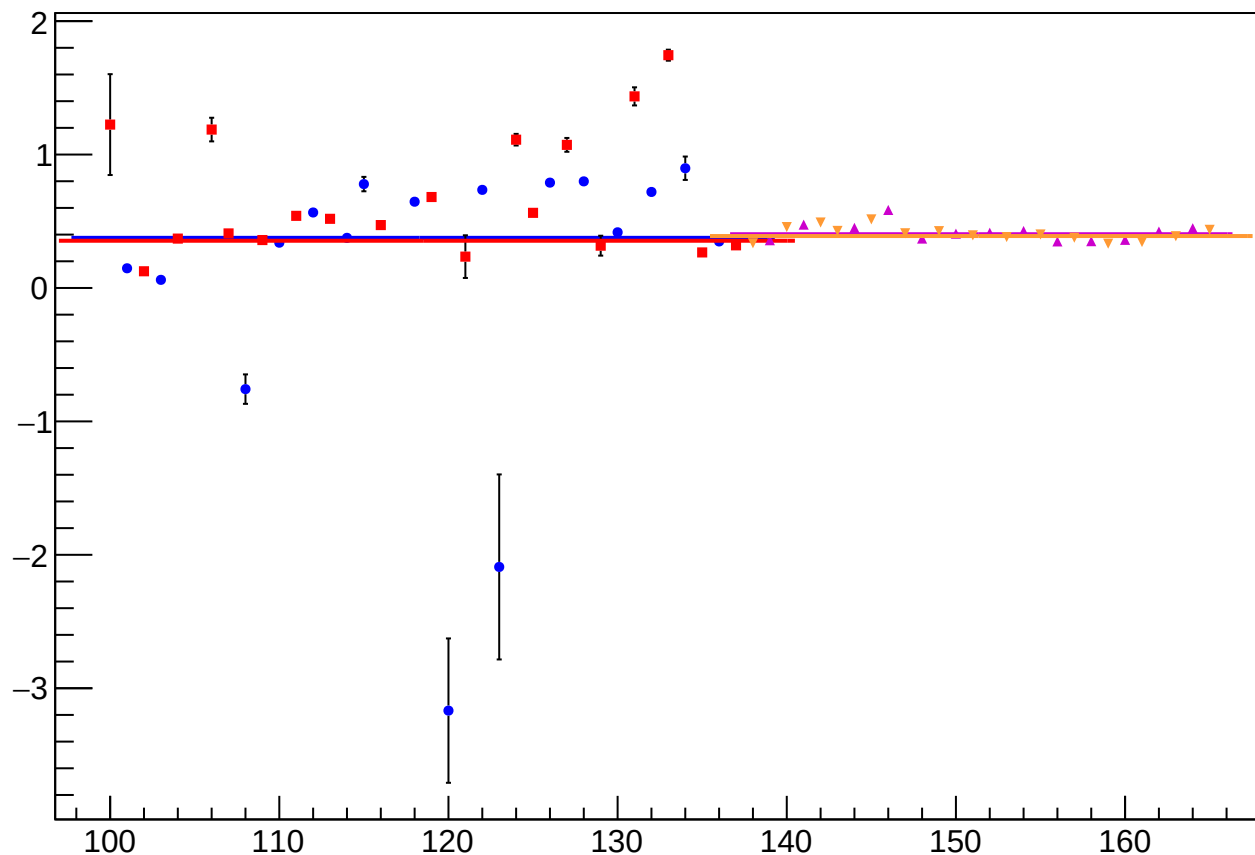
Right: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901657$

In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 175451.6/29$

Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 402698.3/33$

All: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901$

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376+/-0.000 χ^2/NDF : 3961.7/16

Left Out: 0.389+/-0.001 χ^2/NDF : 4645.7/14

Right Out: 0.354+/-0.002 χ^2/NDF : 4592.7/18

Left In: 0.403+/-0.001 χ^2/NDF : 6081.5/12

Left: 0.397+/-0.000 χ^2/NDF : 11020.6/27

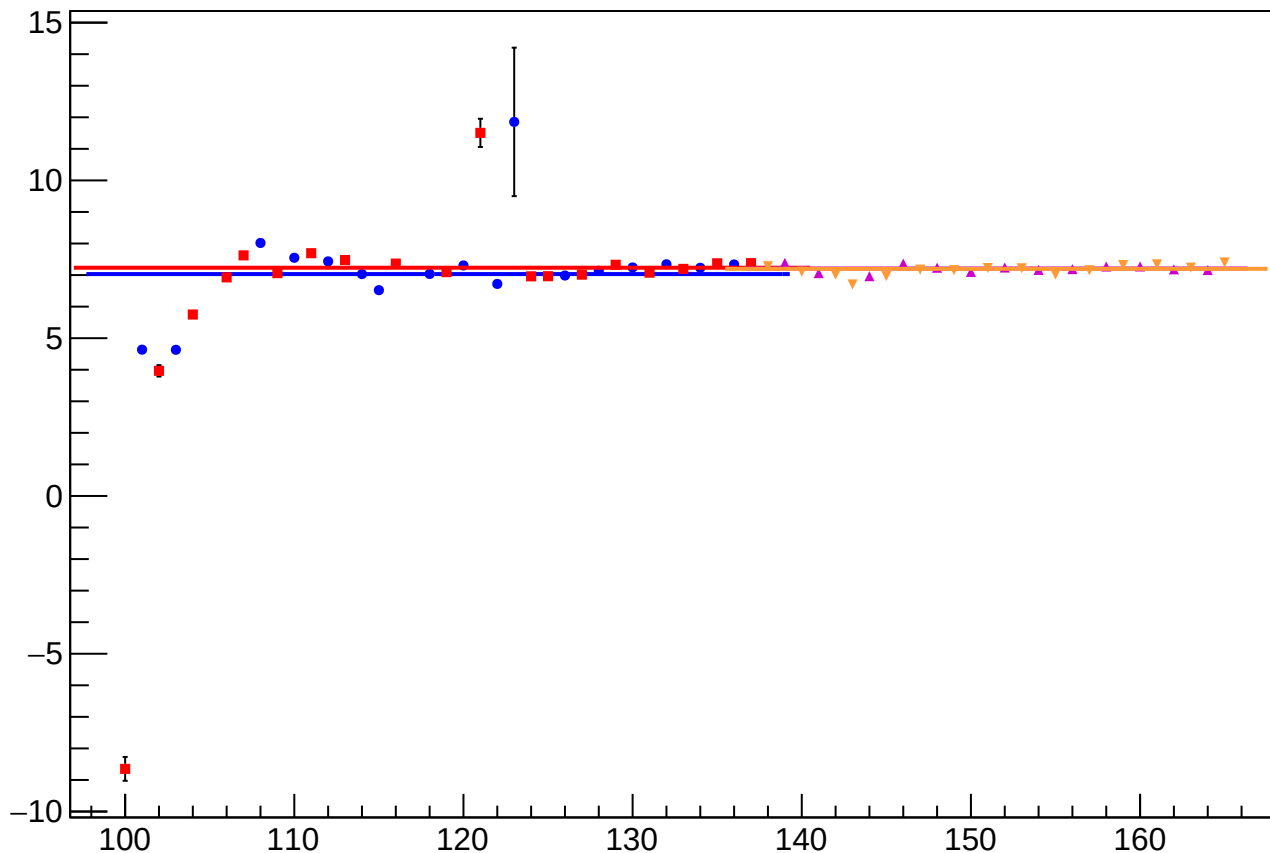
Right: 0.376+/-0.000 χ^2/NDF : 8762.1/35

In: 0.376+/-0.000 χ^2/NDF : 12789.3/29

Out: 0.384+/-0.001 χ^2/NDF : 9707.4/33

All: 0.376+/-0.000 χ^2/NDF : 22729.8/63

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 ± 0.000 χ^2/NDF : 19770.1/16

Left Out: 7.198 ± 0.001 χ^2/NDF : 23586.1/14

Right Out: 7.233 ± 0.002 χ^2/NDF : 10061.8/18

Left In: 7.209 ± 0.001 χ^2/NDF : 10011.4/12

Left: 7.204 ± 0.001 χ^2/NDF : 33653.9/27

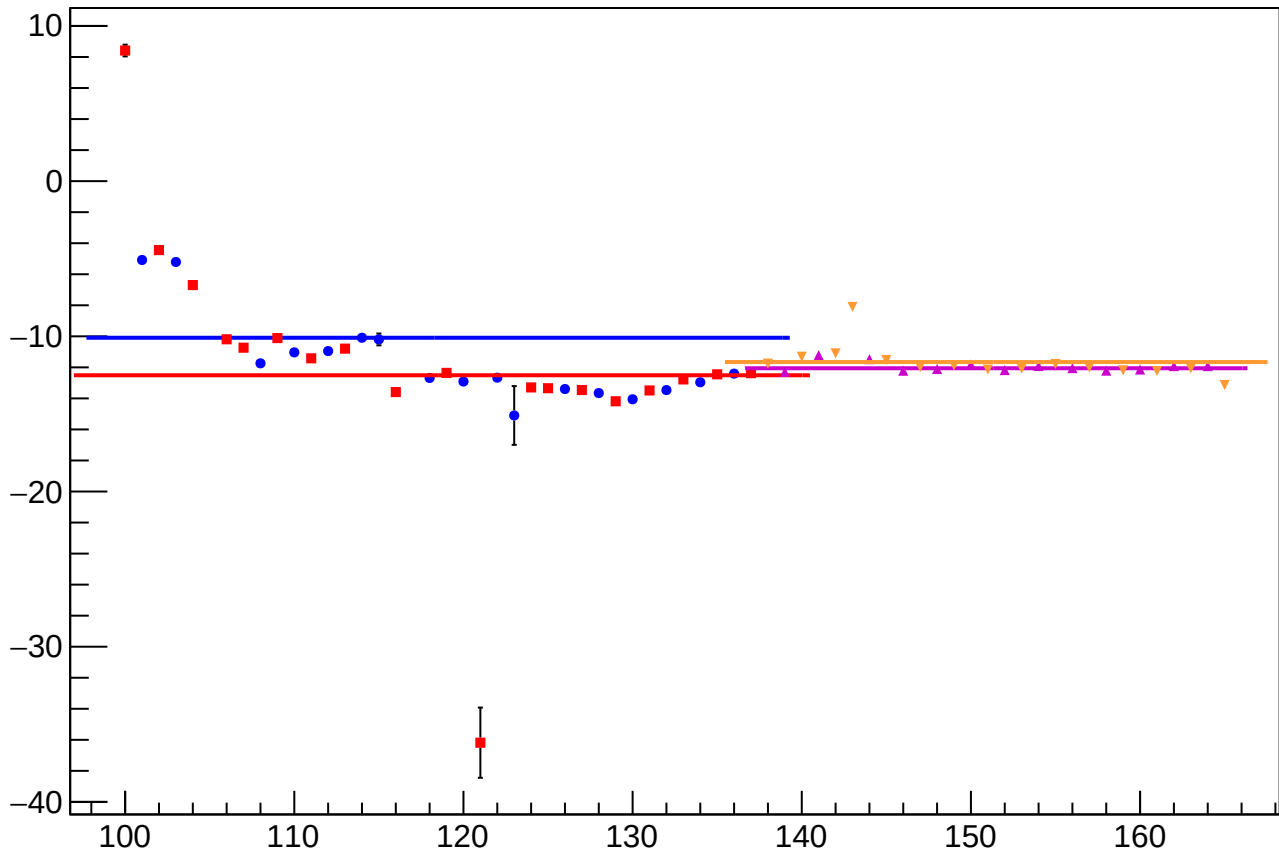
Right: 7.032 ± 0.000 χ^2/NDF : 36990.7/35

In: 7.032 ± 0.000 χ^2/NDF : 64032.7/29

Out: 7.204 ± 0.001 χ^2/NDF : 33826.5/33

All: 7.032 ± 0.000 χ^2/NDF : 132130.8/63

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 ± 0.000 χ^2/NDF : 543504.2/16

Left Out: -11.657 ± 0.002 χ^2/NDF : 402853.6/14

Right Out: -12.509 ± 0.004 χ^2/NDF : 103509.4/18

Left In: -12.058 ± 0.002 χ^2/NDF : 14970.7/12

Left: -11.862 ± 0.001 χ^2/NDF : 440352.2/27

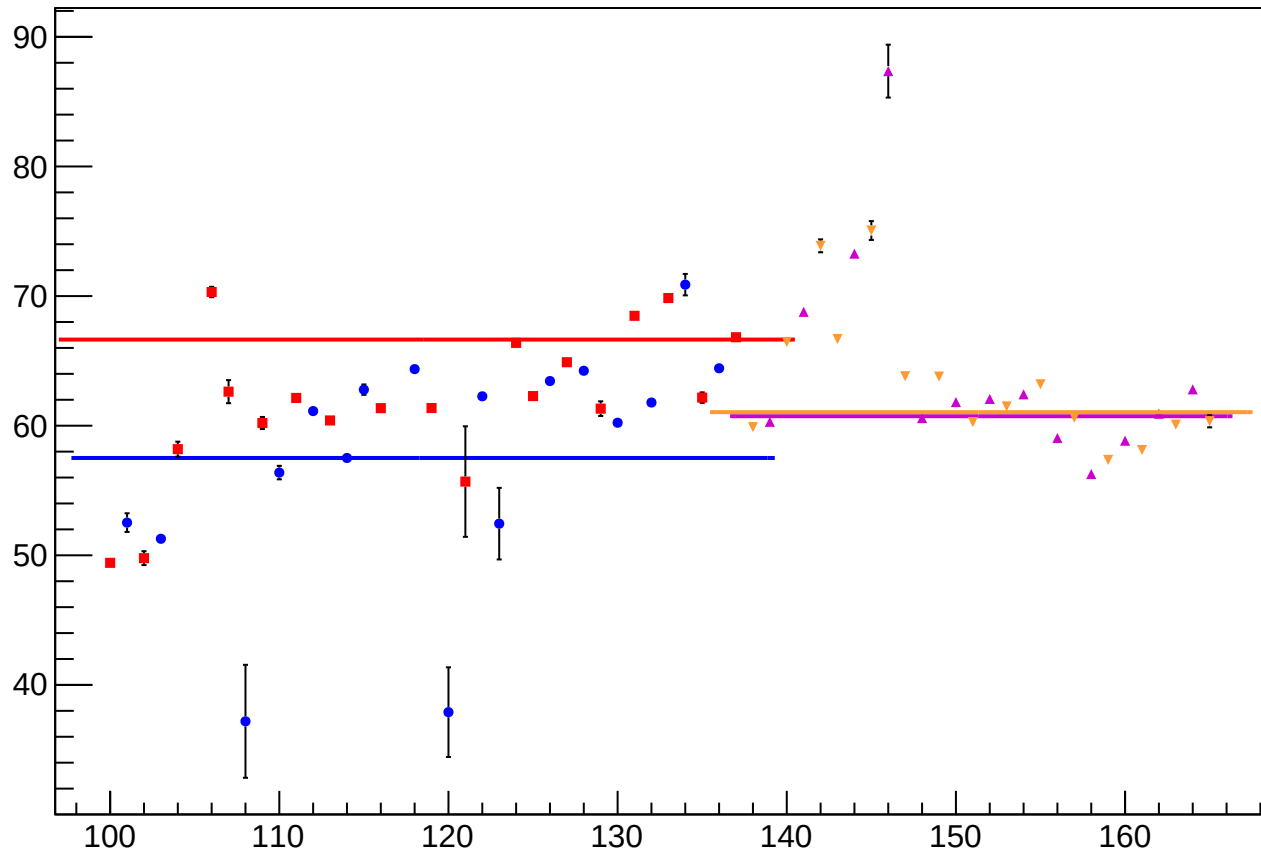
Right: -10.092 ± 0.000 χ^2/NDF : 1062248.5/35

In: -10.092 ± 0.000 χ^2/NDF : 1668268.0/29

Out: -11.833 ± 0.002 χ^2/NDF : 547312.8/33

All: -10.092 ± 0.000 χ^2/NDF : 3259476.4/63

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 $\pm$ 0.000 χ^2 /NDF: 8108.6/16

Left Out: 61.044 $\pm$ 0.047 χ^2 /NDF:5154.2/14

Right Out: 66.645 $\pm$ 0.013 χ^2 /NDF: 8163.8/18

Left In: 60.732 $\pm$ 0.038 χ^2 /NDF:5653.8/12

Left: 60.855 $\pm$ 0.029 χ^2 /NDF: 10835.3/27

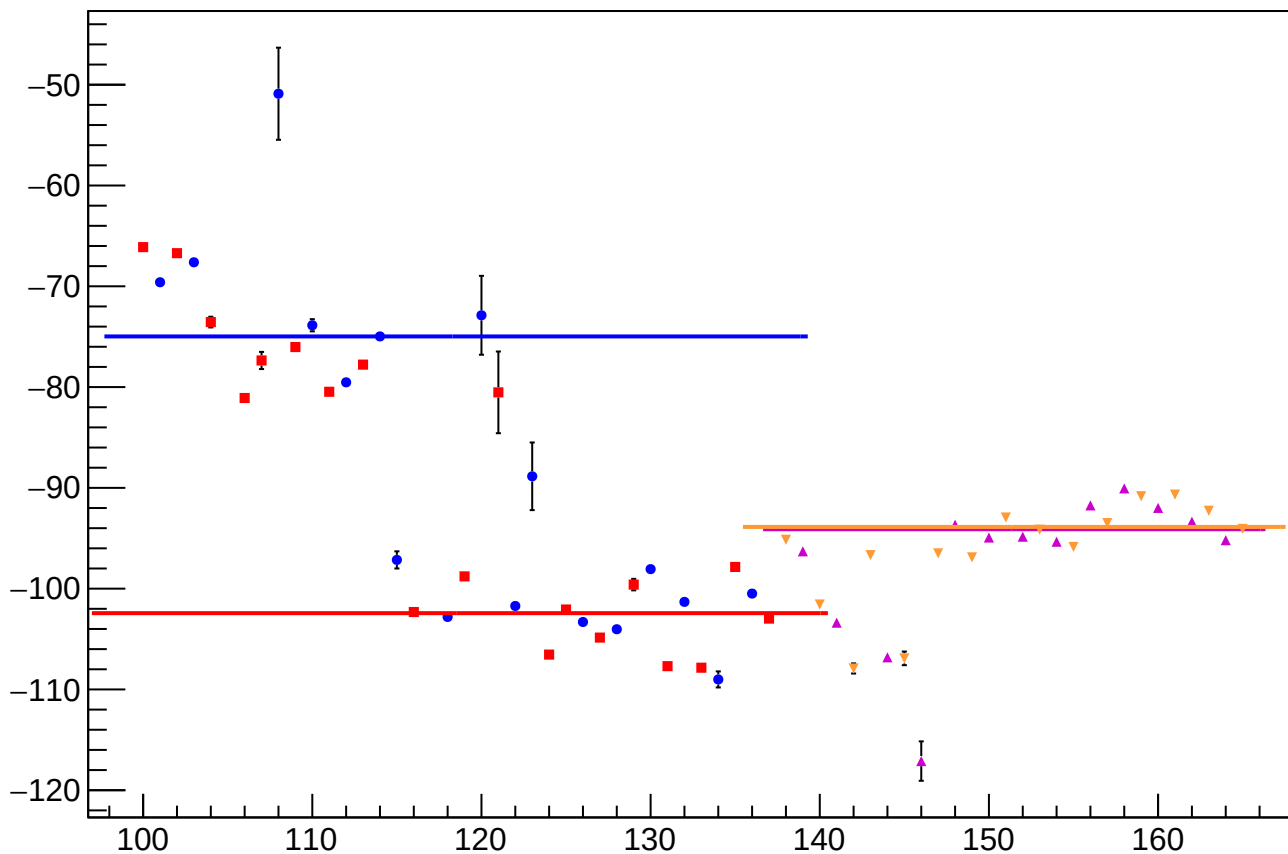
Right: 57.510 $\pm$ 0.000 χ^2 /NDF: 504438.3/35

In: 57.510 $\pm$ 0.000 χ^2 /NDF:21126.0/29

Out: 66.236 $\pm$ 0.013 χ^2 /NDF:26725.8/33

All: 57.510 $\pm$ 0.000 χ^2 /NDF: 528372.1/63

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 130544.0/16$

Left Out: -93.875 ± 0.047 $\chi^2/\text{NDF}: 4753.8/14$

Right Out: -102.430 ± 0.018 $\chi^2/\text{NDF}: 50377.5/18$

Left In: -94.102 ± 0.038 $\chi^2/\text{NDF}: 6167.9/12$

Left: -94.011 ± 0.029 $\chi^2/\text{NDF}: 10935.8/27$

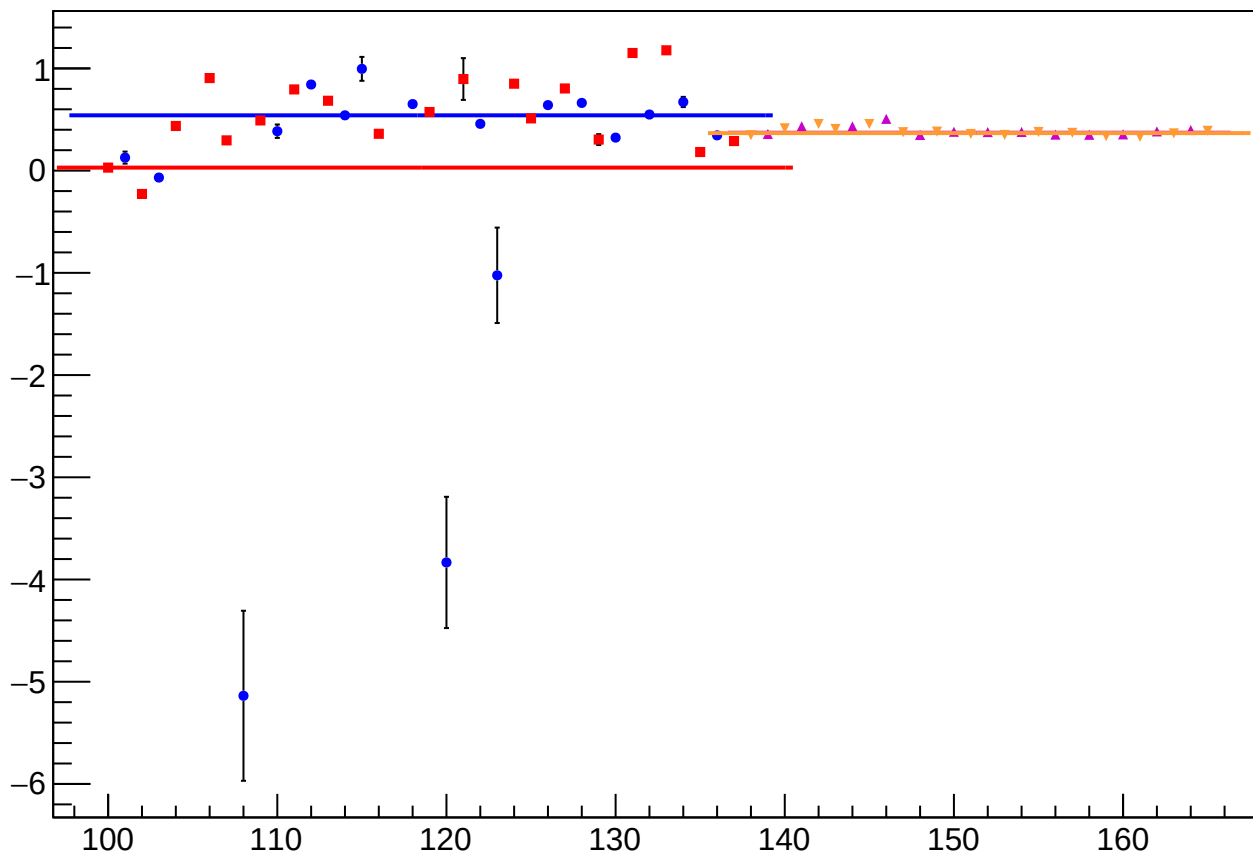
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2556524.2/35$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 390135.4/29$

Out: -101.343 ± 0.017 $\chi^2/\text{NDF}: 84453.8/33$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2984851.7/63$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541 ± 0.000 χ^2/NDF : 29180.5/16

Left Out: 0.367 ± 0.000 χ^2/NDF : 3053.9/14

Right Out: 0.030 ± 0.000 χ^2/NDF : 121659.5/18

Left In: 0.371 ± 0.000 χ^2/NDF : 4977.7/12

Left: 0.370 ± 0.000 χ^2/NDF : 8071.3/27

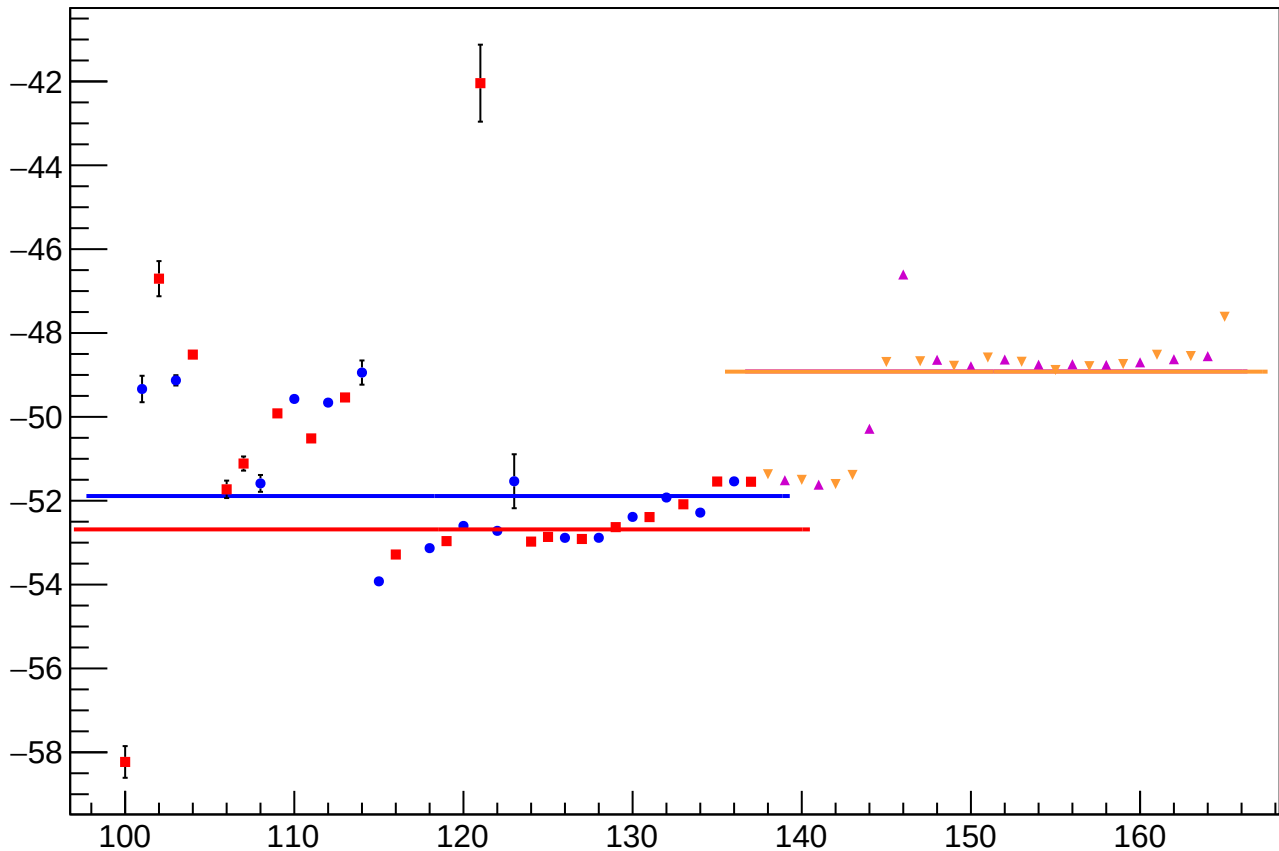
Right: 0.030 ± 0.000 χ^2/NDF : 23314297700963382

In: 0.541 ± 0.000 χ^2/NDF : 303343.5/29

Out: 0.030 ± 0.000 χ^2/NDF : 660017.1/33

All: 0.030 ± 0.000 χ^2/NDF : 23314297700963382

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -51.888 $\pm$ 0.002 χ^2 /NDF: 77585.2/16

Left Out: -48.922 $\pm$ 0.001 χ^2 /NDF: 367680.8/14

Right Out: -52.684 $\pm$ 0.003 χ^2 /NDF: 56125.8/18

Left In: -48.915 $\pm$ 0.001 χ^2 /NDF: 522111.3/12

Left: -48.918 $\pm$ 0.001 χ^2 /NDF: 889806.7/27

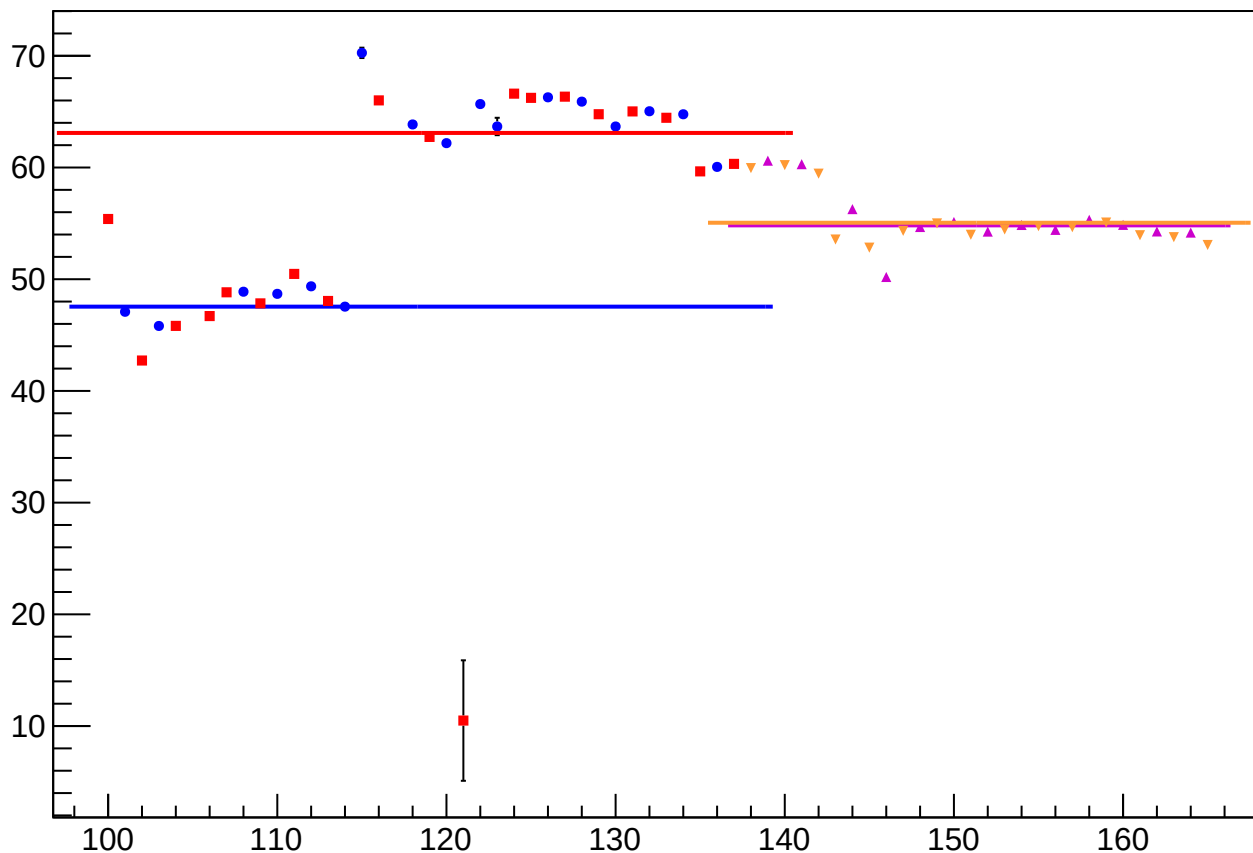
Right: -52.231 $\pm$ 0.002 χ^2 /NDF: 188721.6/35

In: -49.451 $\pm$ 0.001 χ^2 /NDF: 2059001.2/29

Out: -49.693 $\pm$ 0.001 χ^2 /NDF: 2141262.3/33

All: -49.548 $\pm$ 0.001 χ^2 /NDF: 4226479.4/63

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000 χ^2/NDF : 3491700.1/16

Left Out: 55.056+/-0.003 χ^2/NDF : 240733.7/14

Right Out: 63.095+/-0.007 χ^2/NDF : 333637.2/18

Left In: 54.821+/-0.003 χ^2/NDF : 82145.3/12

Left: 54.917+/-0.002 χ^2/NDF : 325843.1/27

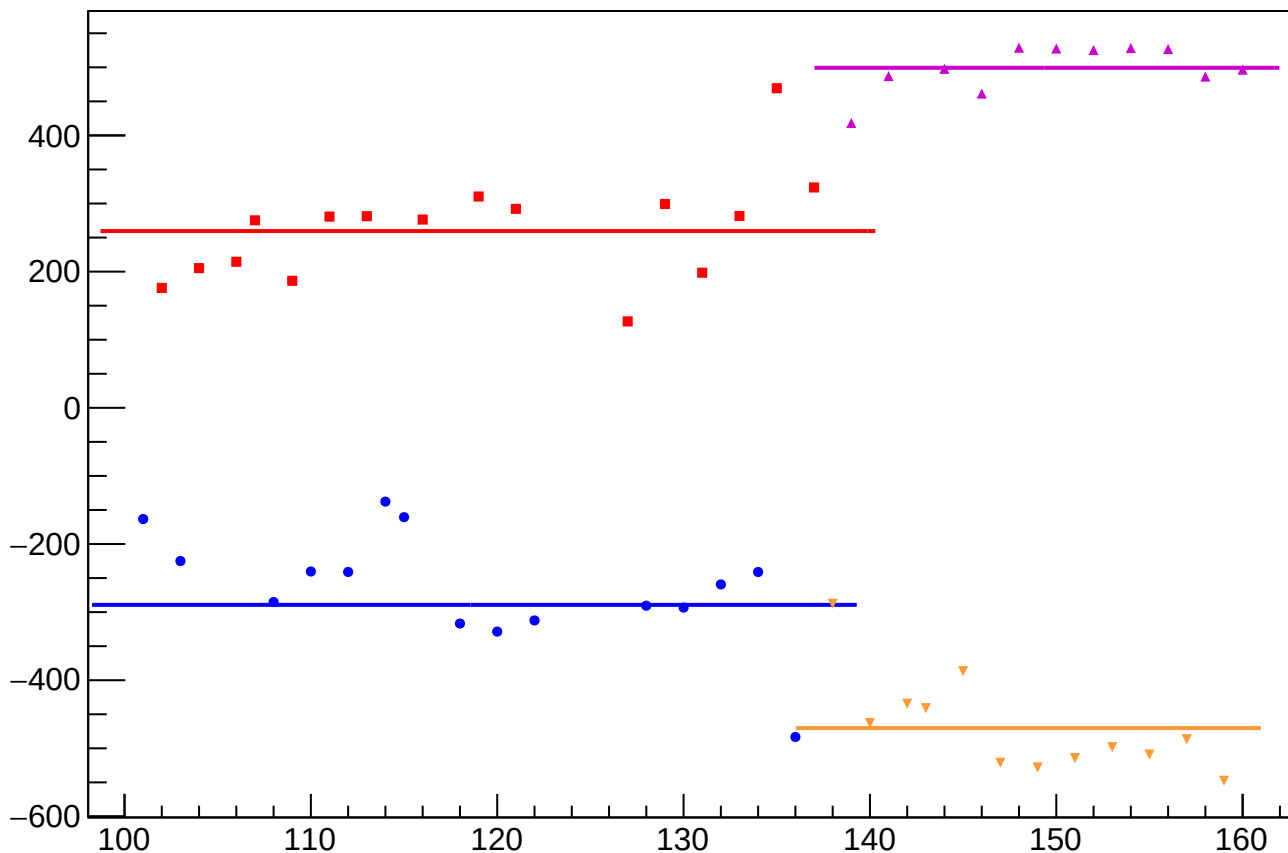
Right: 47.545+/-0.000 χ^2/NDF : 8155028.5/35

In: 47.545+/-0.000 χ^2/NDF : 10579622.1/29

Out: 56.384+/-0.003 χ^2/NDF : 1540387.0/33

All: 47.545+/-0.000 χ^2/NDF : 20588037.5/63

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

Left Out: -470.248+/-0.000

Right Out: 259.558+/-0.000

Left In: 499.323+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

χ^2/NDF : 4607361900635133507336893174223208448.0/11

χ^2/NDF : 4299886792692123970784563983770714112.0/15

χ^2/NDF : 1018789461606644410107221718465511424.0/10

Left: 16.381+/-0.000 χ^2/NDF : 43828608668570412

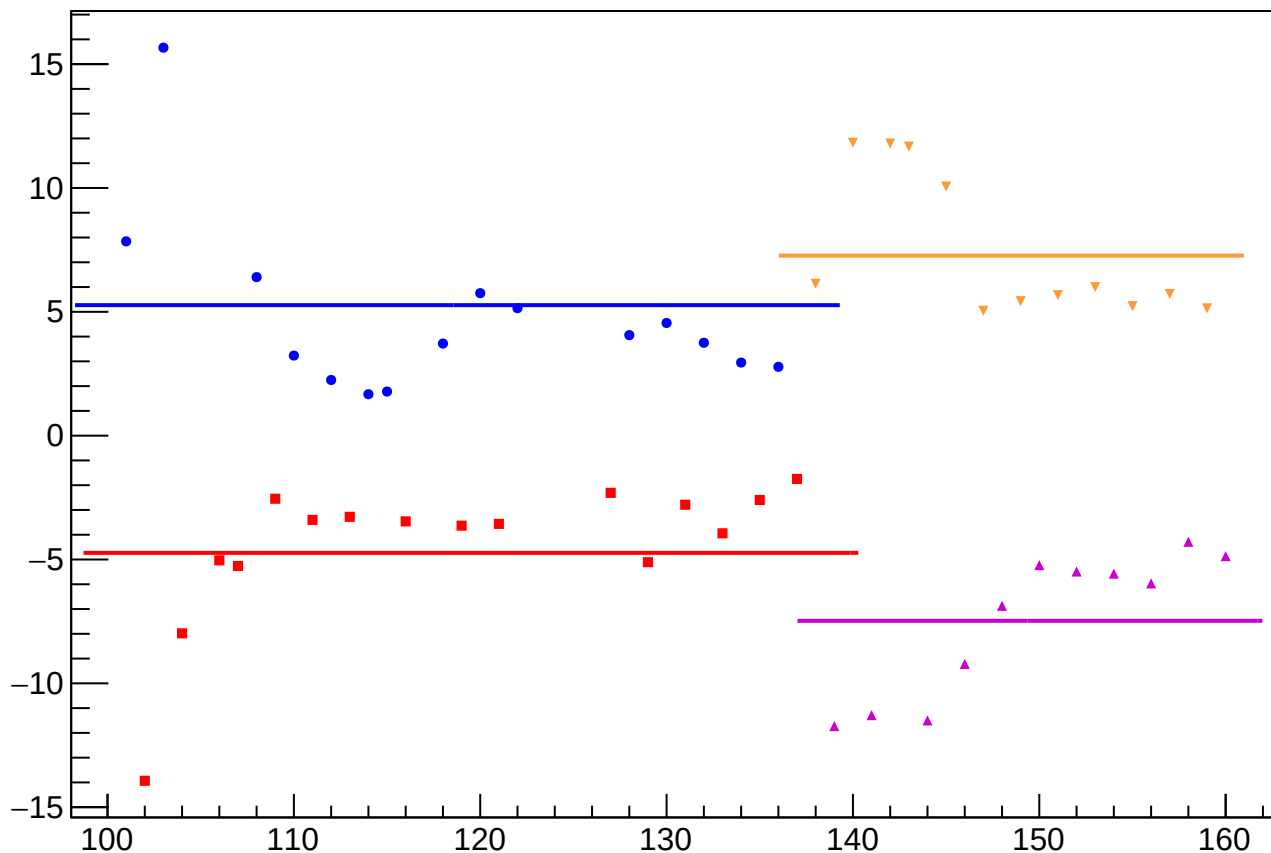
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -162.937+/-0.000 χ^2/NDF : 214569343830480

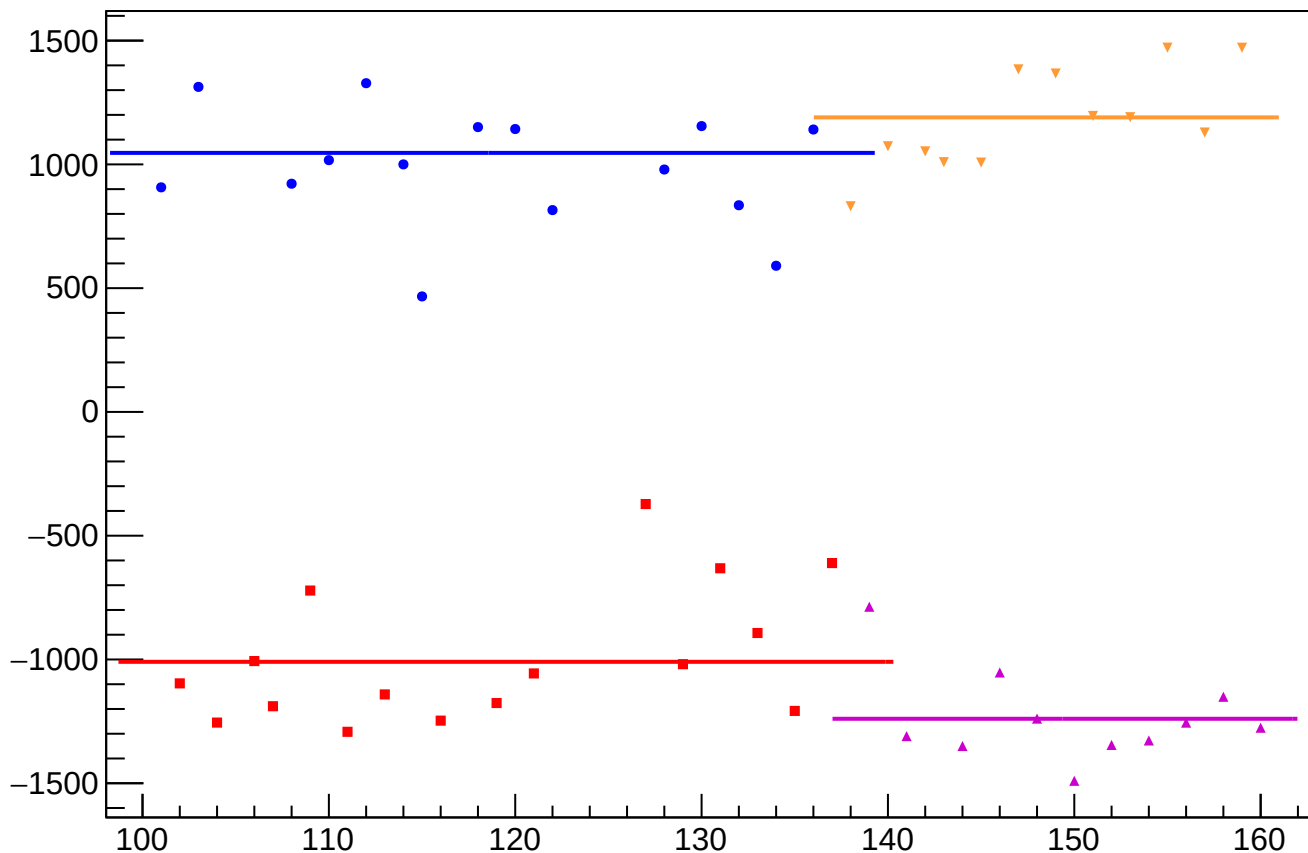
All: 4.914+/-0.000 χ^2/NDF : 5476353608355

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



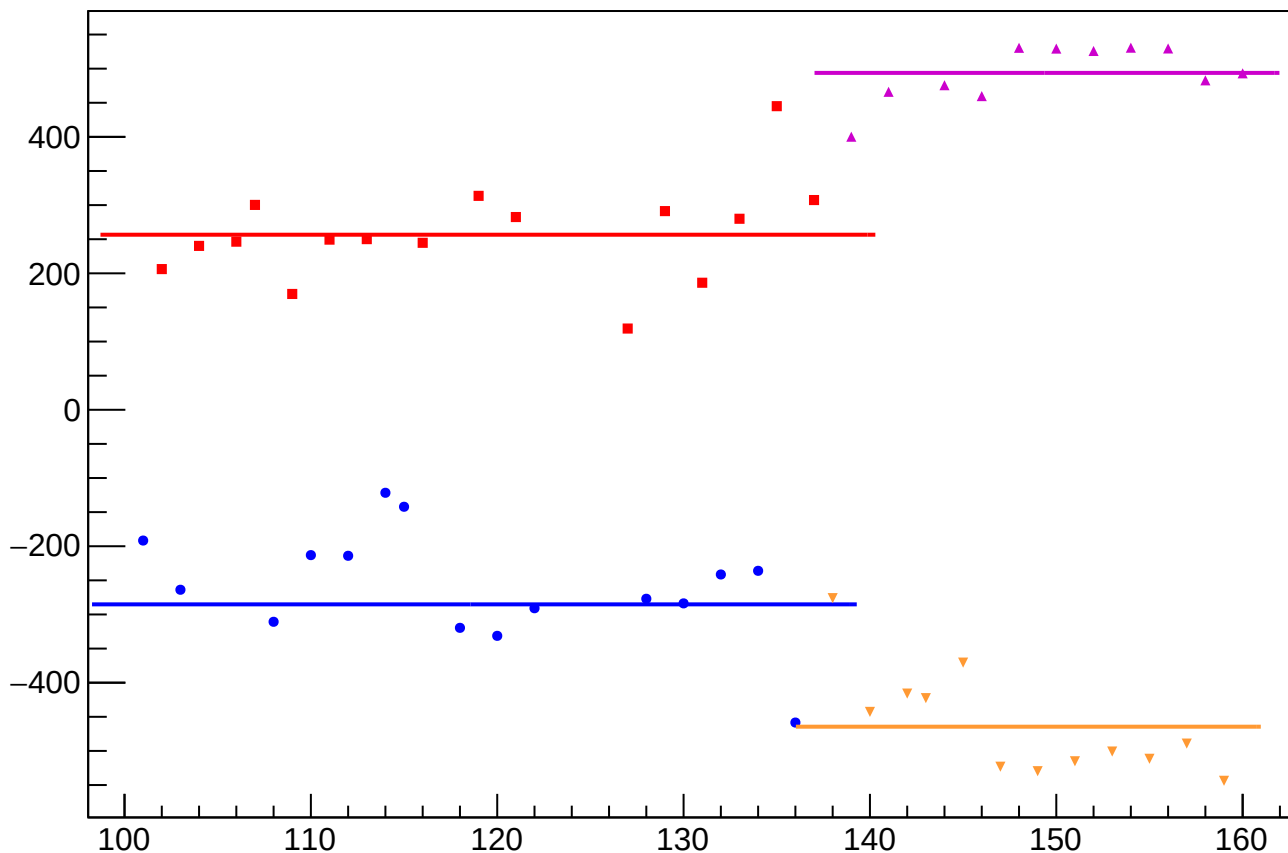
Right In: 5.270 ± 0.000 χ^2/NDF : 8709683292123798330550906790084608.0/14
 Left Out: 7.267 ± 0.000 χ^2/NDF : 6561845891361438099452945363894272.0/11
 Right Out: -4.732 ± 0.000 χ^2/NDF : 6856893072575211562802281426452480.0/15
 Left In: -7.475 ± 0.000 χ^2/NDF : 7057812139399579538870244550377472.0/10
 All: 0.007 ± 0.000 χ^2/NDF : 16219425295293

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -285.187+/-0.000

Left Out: -464.487+/-0.000

Right Out: 256.599+/-0.000

Left In: 493.780+/-0.000

χ^2/NDF : 4479585262853549838092521921291747328.0/14

χ^2/NDF : 5412512273744603577474879660526403584.0/11

χ^2/NDF : 3648271535971039165952602563191767040.0/15

χ^2/NDF : 1451794731277142230901460532226686976.0/10

Left: 16.468+/-0.000 χ^2/NDF : 42949444030060178

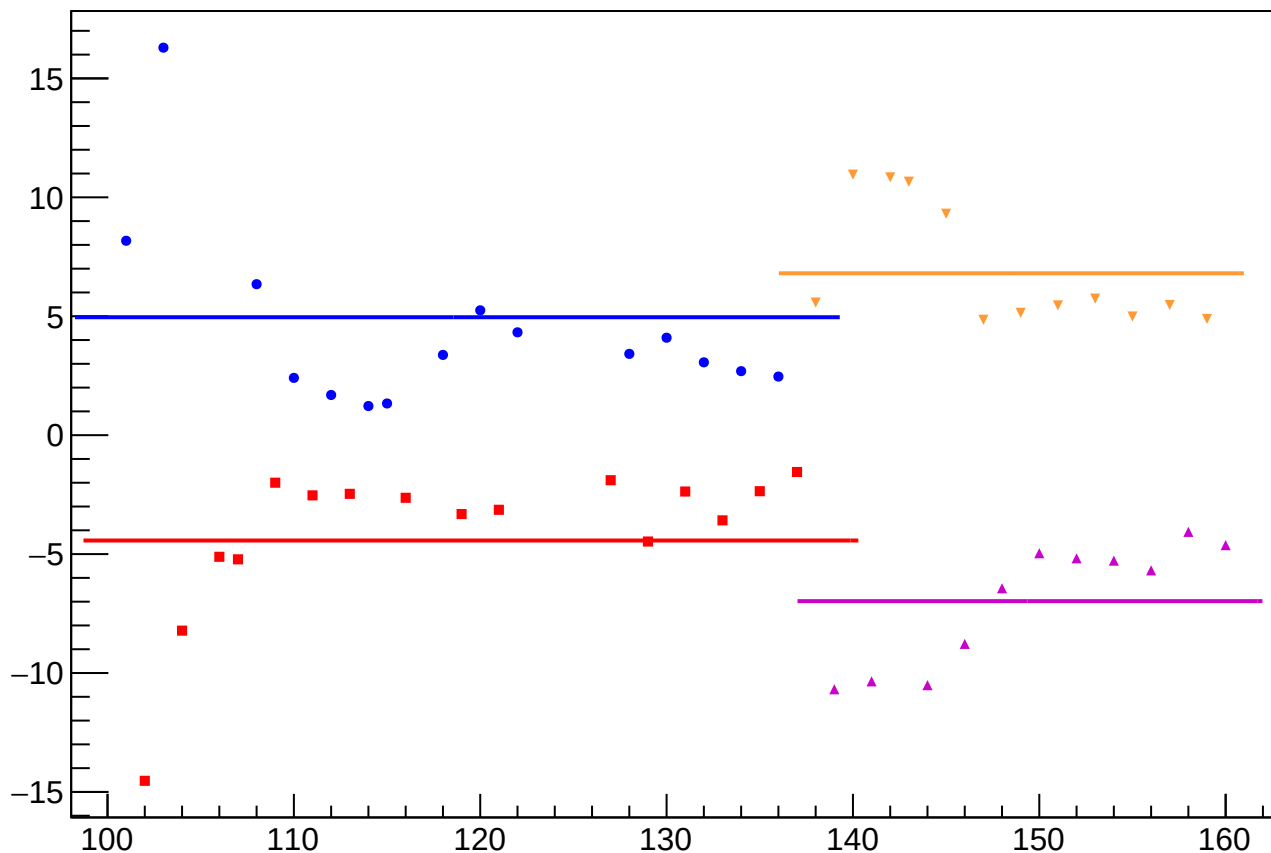
Right: -10.589+/-0.000 χ^2/NDF : 104681795299957

In: 172.388+/-0.000 χ^2/NDF : 23725794461997010

Out: -160.848+/-0.000 χ^2/NDF : 209837987568430

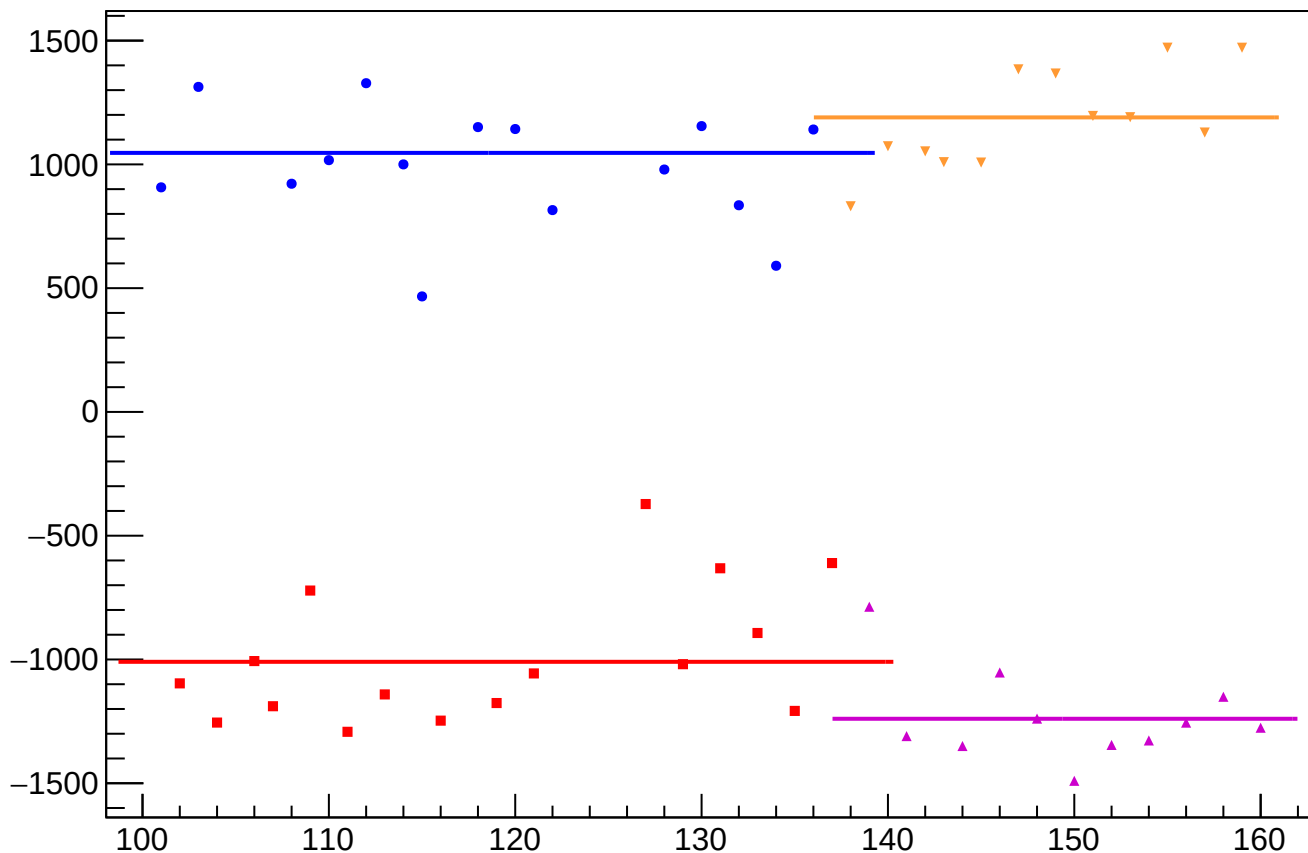
All: 5.190+/-0.000 χ^2/NDF : 53473803996129

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



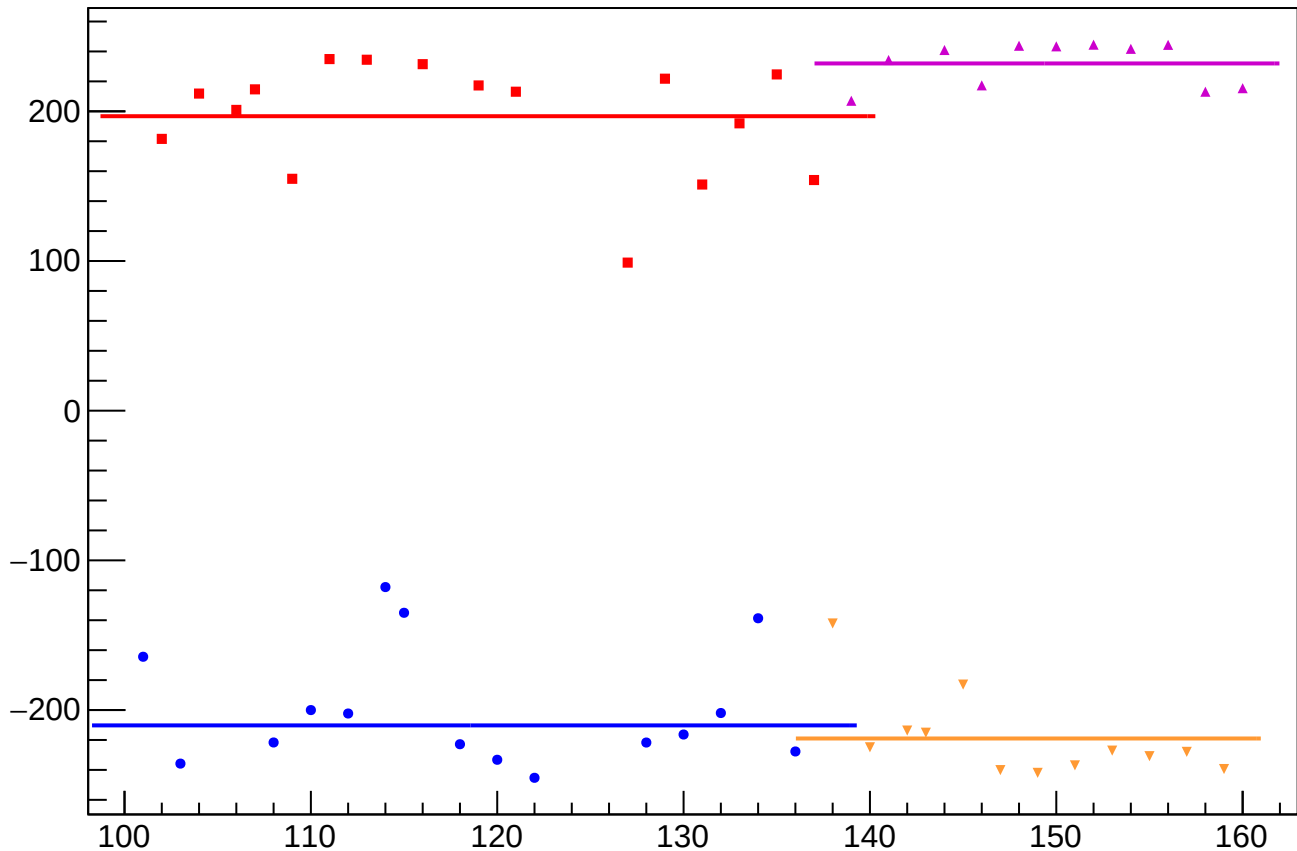
Right In: 4.959 ± 0.000 $\chi^2/\text{NDF}: 10465467057143371817371681641463808.0/14$
 Left Out: 6.806 ± 0.000 $\chi^2/\text{NDF}: 5243464744446974431083540143669248.0/11$
 Right Out: -4.429 ± 0.000 $\chi^2/\text{NDF}: 8371440400334524571131796772618240.0/15$
 Left In: -6.978 ± 0.000 $\chi^2/\text{NDF}: 562269701427754941158413236699136.0/10$
 All: 0.018 ± 0.000 $\chi^2/\text{NDF}: 14620684457738$

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

Left Out: -219.010+/-0.000

Right Out: 196.736+/-0.000

Left In: 231.985+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

χ^2/NDF : 731132234342099268900131615977504768.0/11

χ^2/NDF : 909588895093044840633640514790359040.0/15

χ^2/NDF : 182992027280401463139065105290887168.0/10

Left: 7.345+/-0.000 χ^2/NDF : 945260450334223642

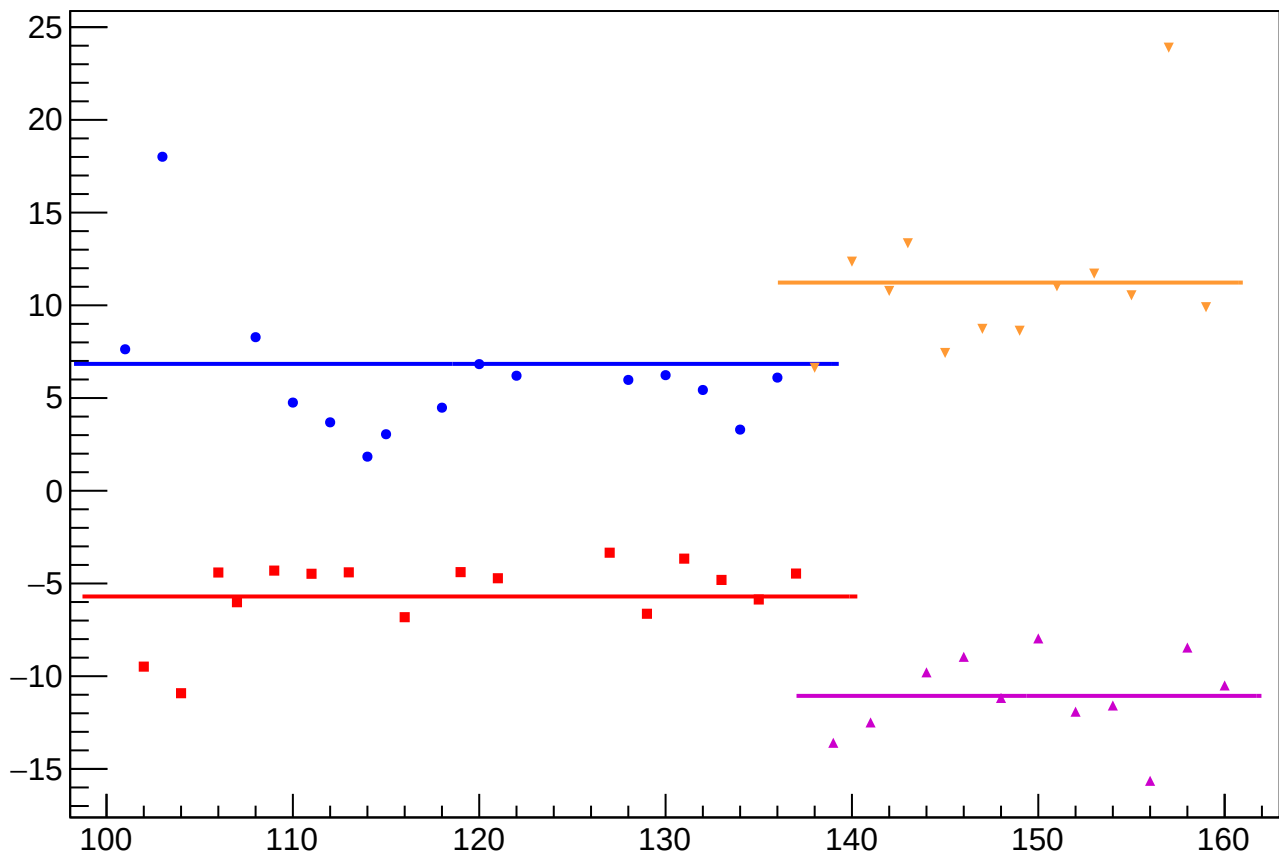
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -43.945+/-0.000 χ^2/NDF : 6838245163544745

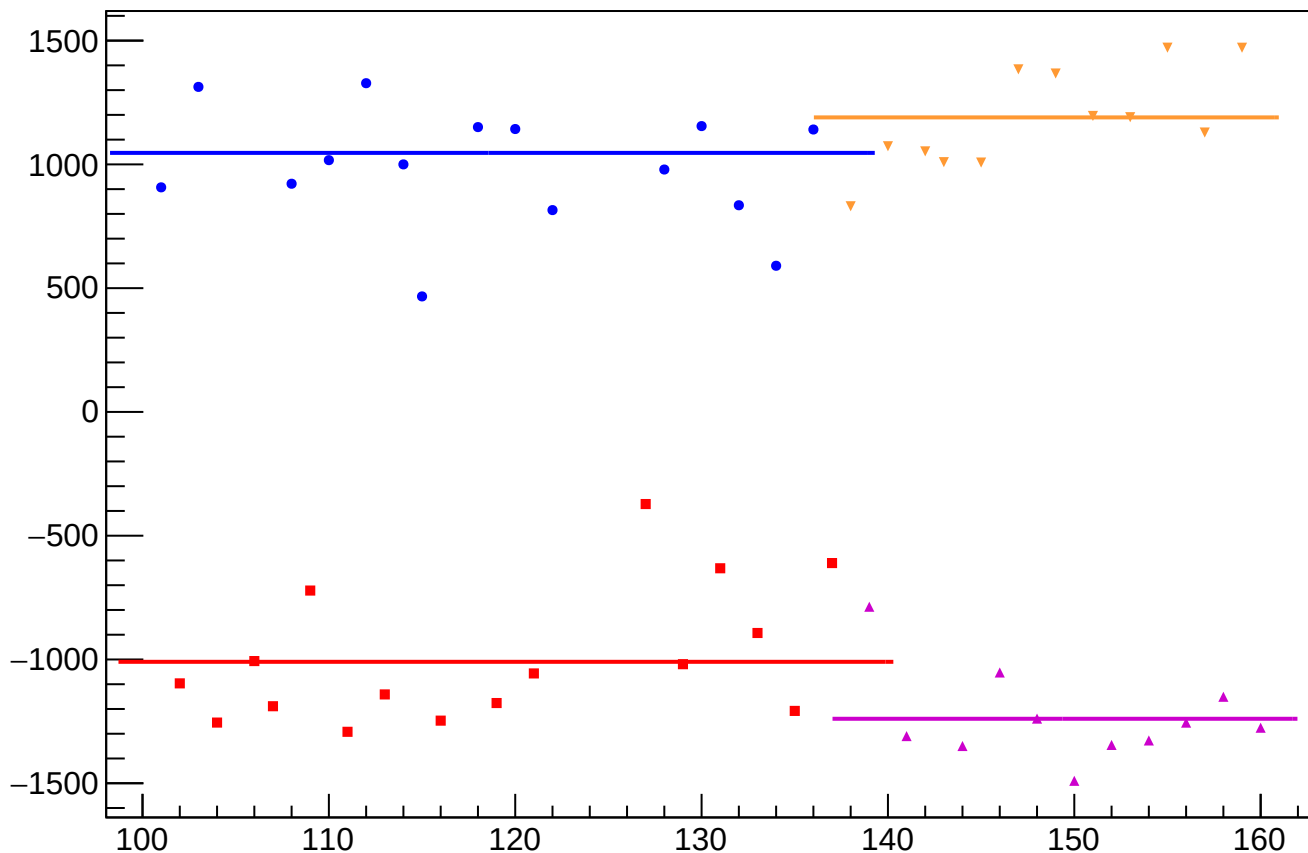
All: 2.624+/-0.000 χ^2/NDF : 15058953843996

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



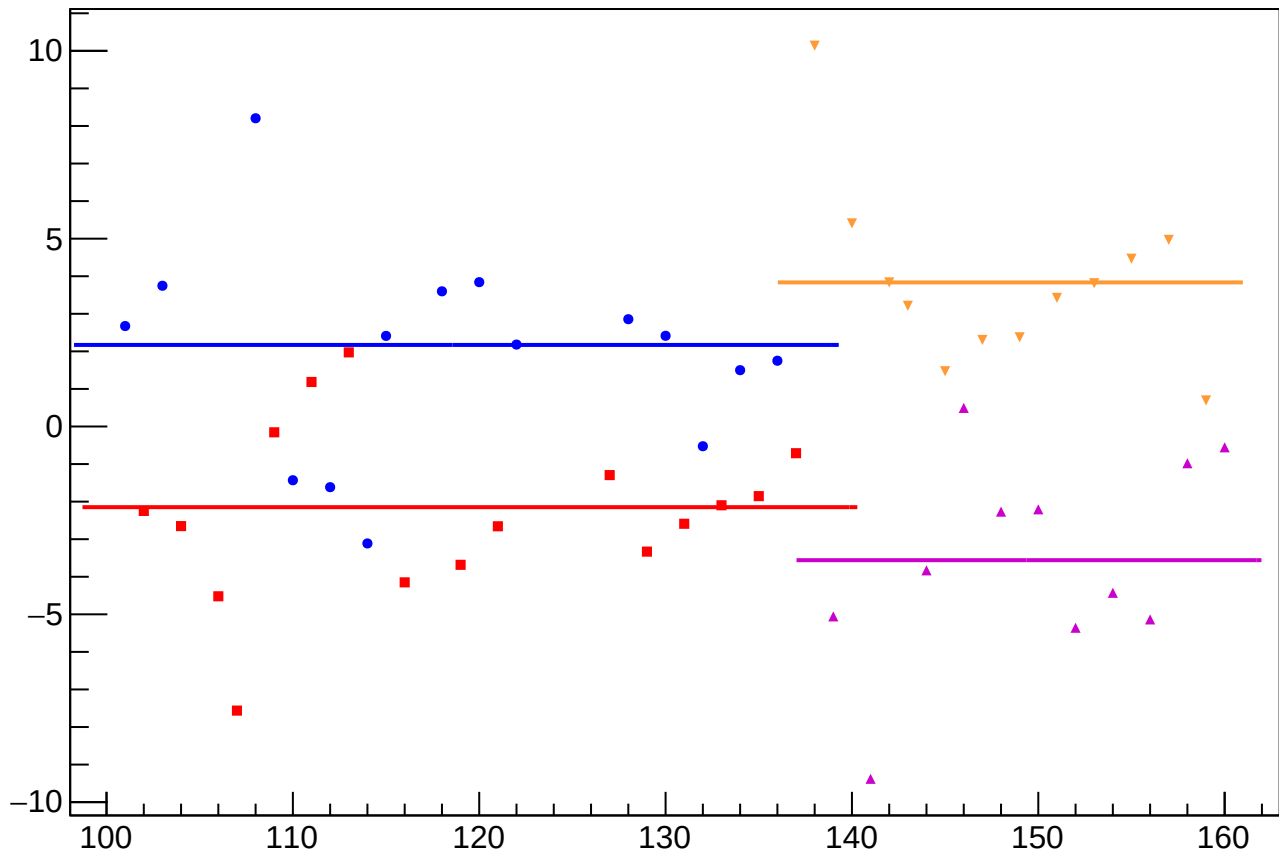
Right In: 6.842 $\pm$ 0.000 χ^2 /NDF: 9355934166823324467316647620771840.0/14
 Left Out: 11.226 $\pm$ 0.000 χ^2 /NDF: 17157831728505810554543577208193024.0/11
 Right Out: -5.701 $\pm$ 0.000 χ^2 /NDF: 3174693398300953393137731791486976.0/15
 Left In: -11.061 $\pm$ 0.000 χ^2 /NDF: 4417559387784954400311933713514496.0/10
 All: 0.225 $\pm$ 0.000 χ^2 /NDF: 31461560120365

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



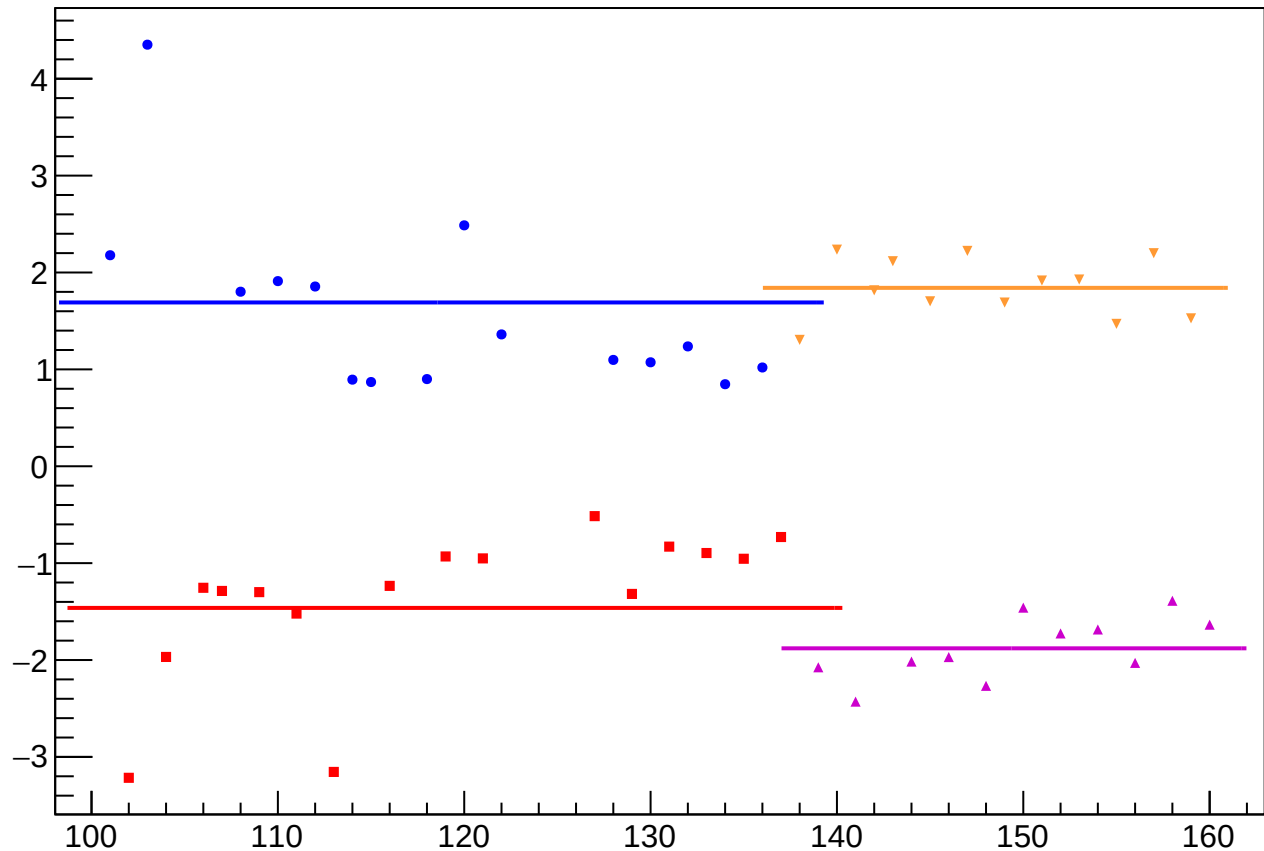
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_4aY_coil1_mean vs Slug, Sign Corrected



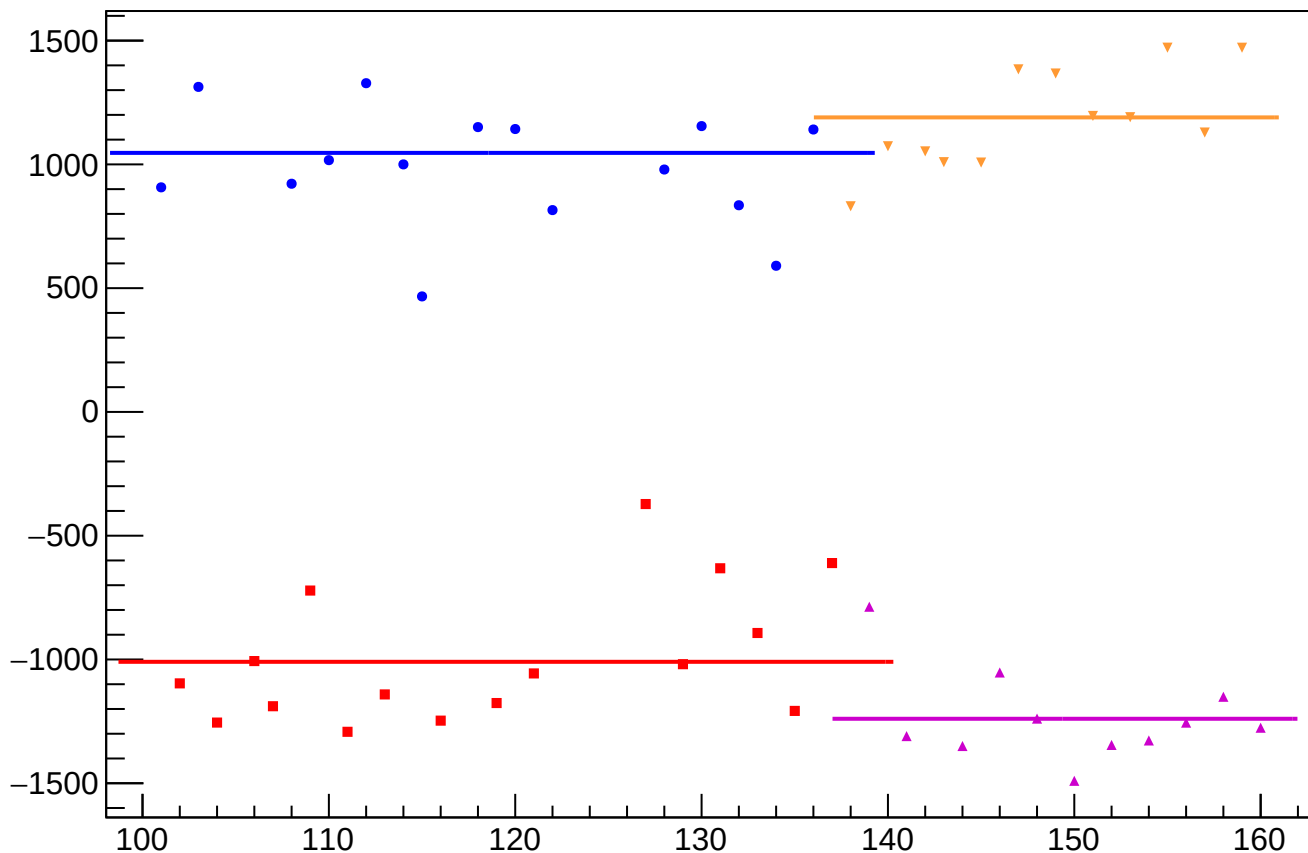
Left: 0.124 +/- 0.000 χ^2/NDF : 36735183295933049
 Right In: 2.171 +/- 0.000 χ^2/NDF : 3599819246909975678410499691642880.0/14
 Right: -0.018 +/- 0.000 χ^2/NDF : 1282950255194488
 Left Out: 3.836 +/- 0.000 χ^2/NDF : 5077142493205652960507998024761344.0/11
 In: -1.195 +/- 0.000 χ^2/NDF : 226097487134650351
 Right Out: -2.148 +/- 0.000 χ^2/NDF : 3093887336239378959606321931878400.0/15
 Out: 1.316 +/- 0.000 χ^2/NDF : 219948934261625392
 Left In: -3.559 +/- 0.000 χ^2/NDF : 6492667345109962540652165758713856.0/10
 All: 0.065 +/- 0.000 χ^2/NDF : 49580185469382

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



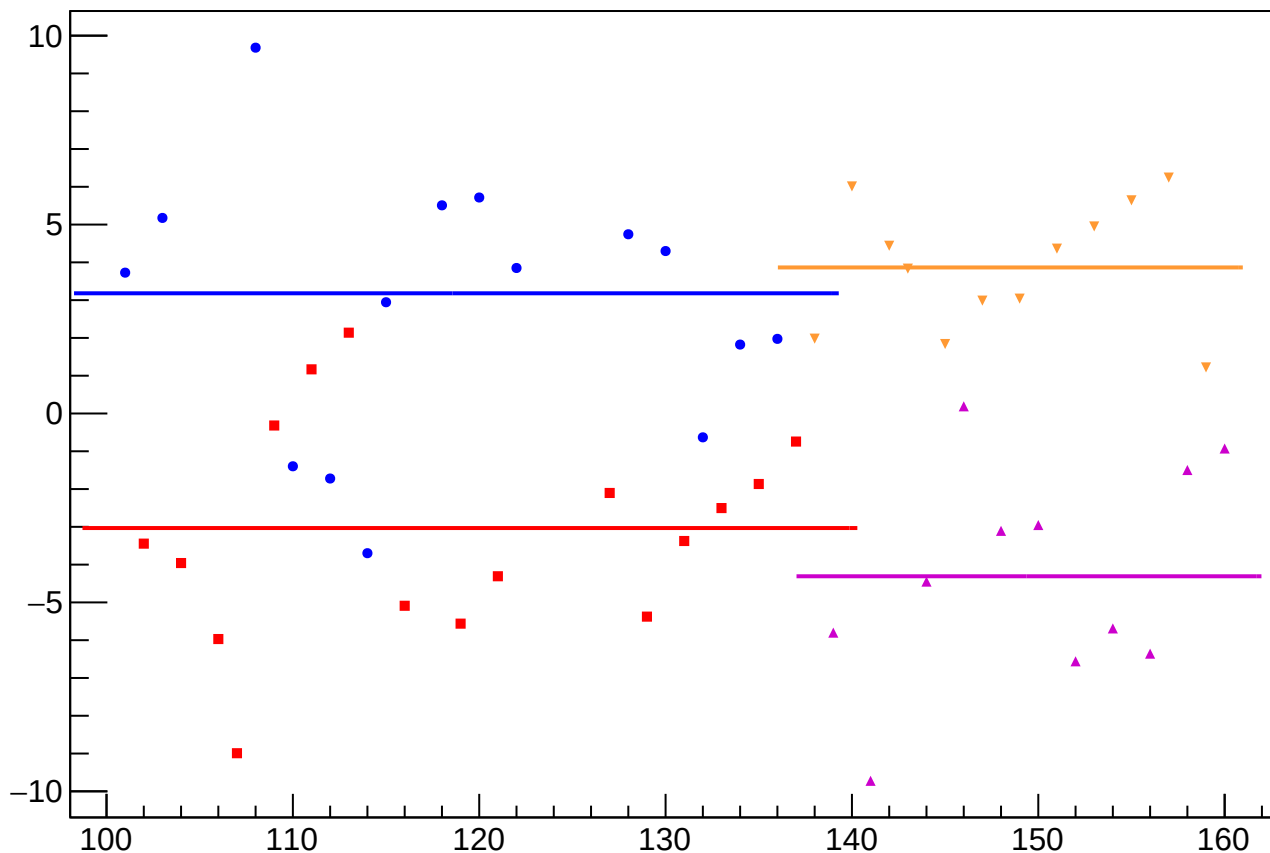
Right In: 1.691 $\pm$ 0.000 χ^2 /NDF: 612163393317609859674079412355072.0/14
 Left Out: 1.841 $\pm$ 0.000 χ^2 /NDF: 85338663213371601399207847526400.0/11
 Right Out: -1.462 $\pm$ 0.000 χ^2 /NDF: 444384511662519040022371754835968.0/15
 Left In: -1.879 $\pm$ 0.000 χ^2 /NDF: 90968052268112309617342982127616.0/10
 All: 0.024 $\pm$ 0.000 χ^2 /NDF: 10884931871335

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



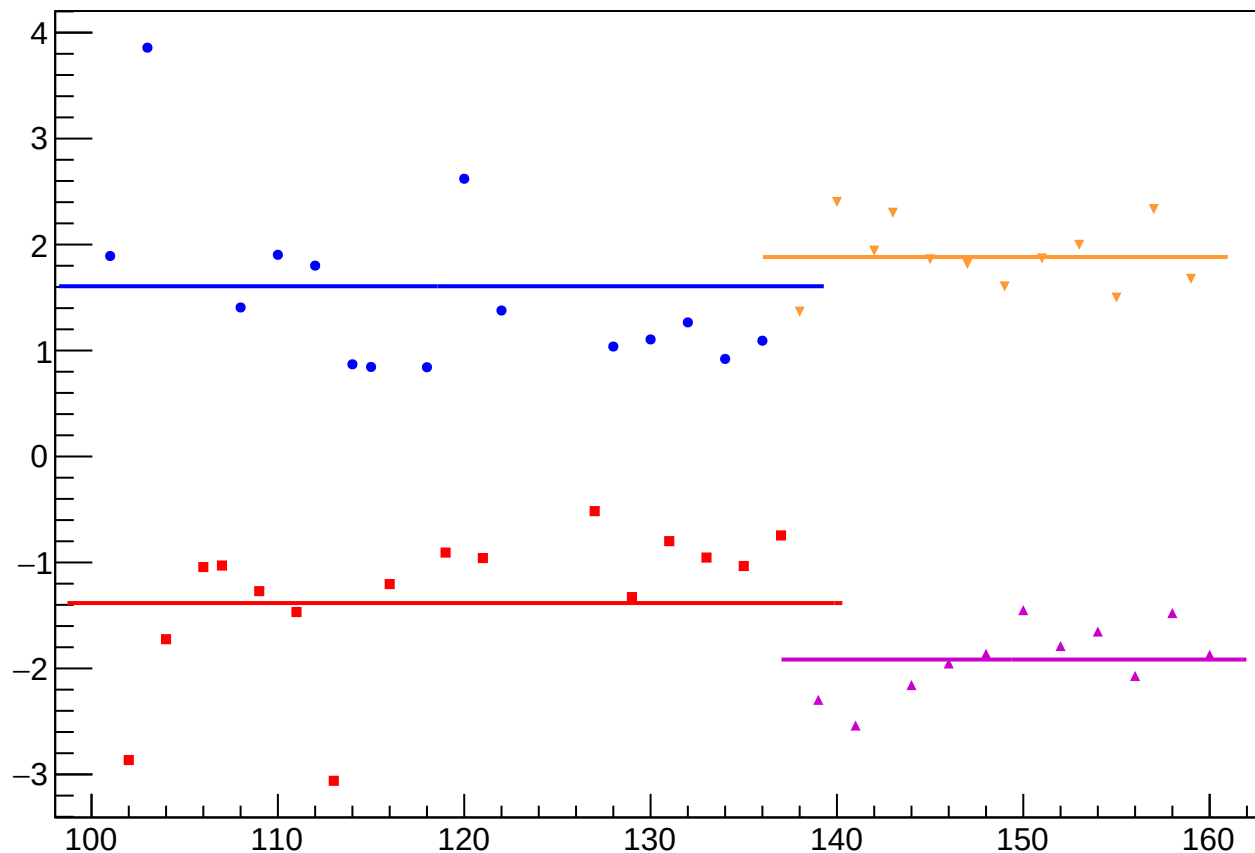
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_4eY_coil1_mean vs Slug, Sign Corrected



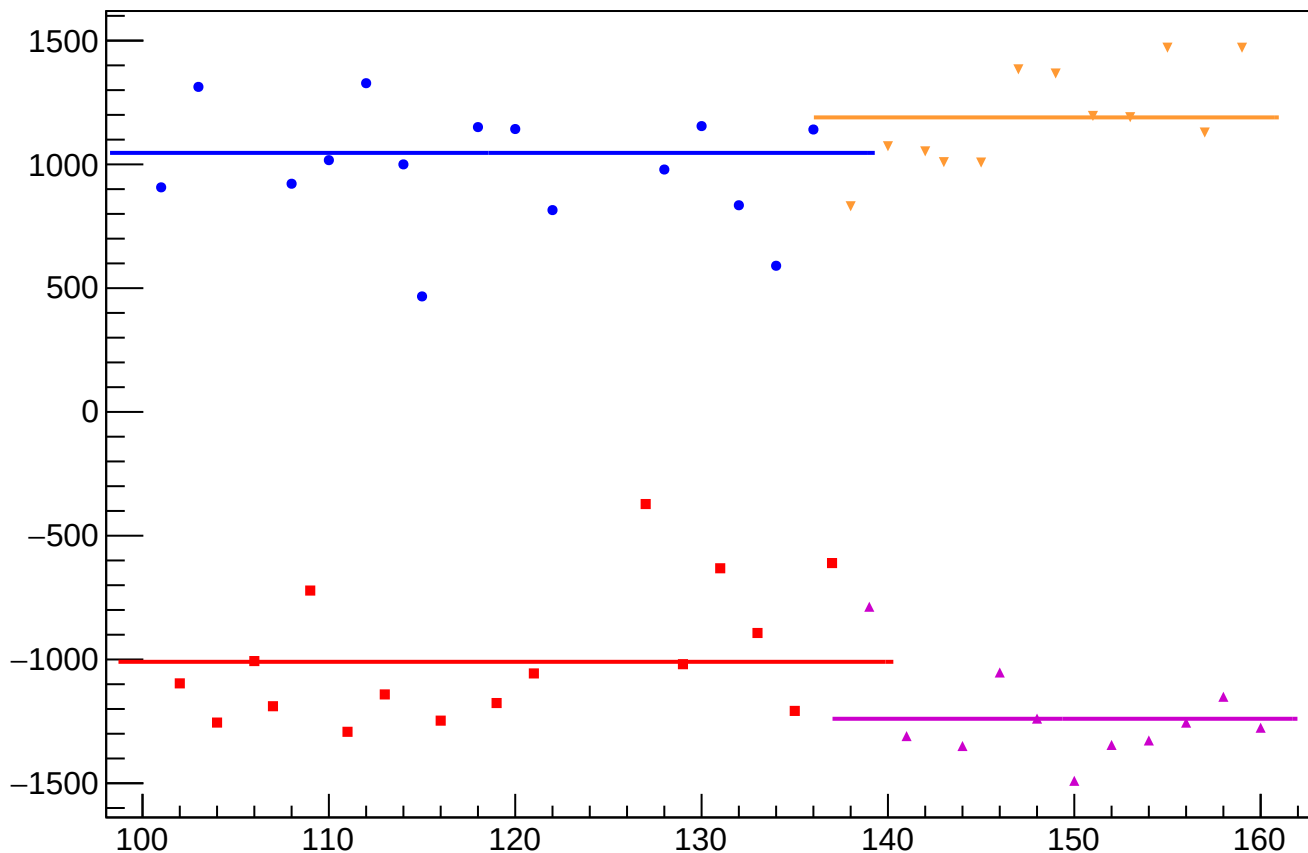
Left: -0.237 +/- 0.000 χ^2/NDF : 40320363614932676
 Right In: 3.181 +/- 0.000 χ^2/NDF : 5833303227868252617704566394191872.0/14
 Right: 0.032 +/- 0.000 χ^2/NDF : 23467771565313990
 Left Out: 3.865 +/- 0.000 χ^2/NDF : 2498021792424542817214204578103296.0/11
 In: -1.218 +/- 0.000 χ^2/NDF : 342914810766388262
 Right Out: -3.032 +/- 0.000 χ^2/NDF : 4937209831371793945496546833334272.0/15
 Out: 0.961 +/- 0.000 χ^2/NDF : 258037287584241486
 Left In: -4.308 +/- 0.000 χ^2/NDF : 7073495667694280351803168107003904.0/10
 All: -0.125 +/- 0.000 χ^2/NDF : 6384378527742

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



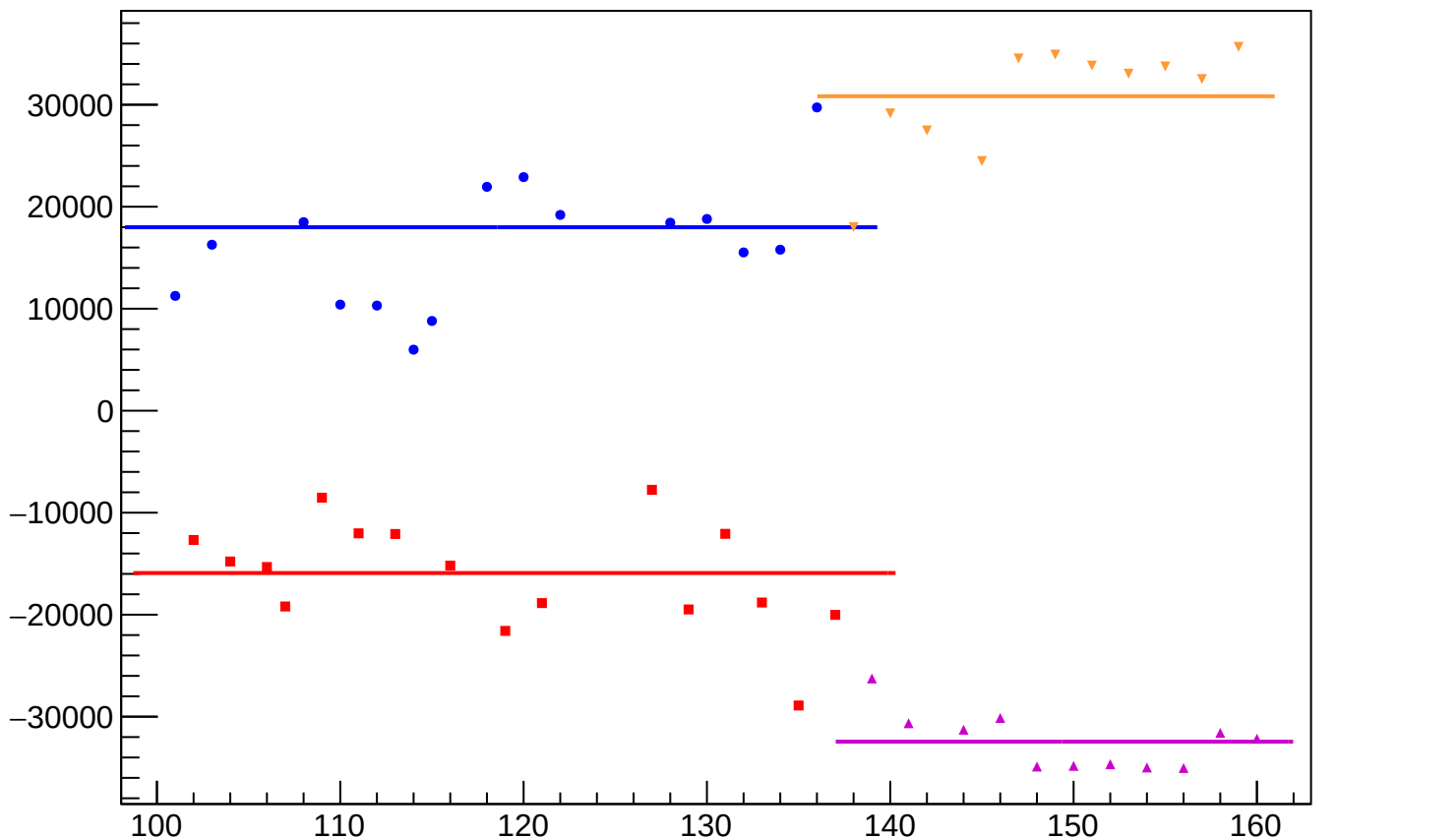
Right In: 1.607 ± 0.000 $\chi^2/\text{NDF}: 460949628640148184181205735833600.0/14$
 Left Out: 1.883 ± 0.000 $\chi^2/\text{NDF}: 93981074591902245168022313500672.0/11$
 Right Out: -1.383 ± 0.000 $\chi^2/\text{NDF}: 358348897016286200957650337792000.0/15$
 Left In: -1.916 ± 0.000 $\chi^2/\text{NDF}: 95276515809016209875699691945984.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10600135910975$

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



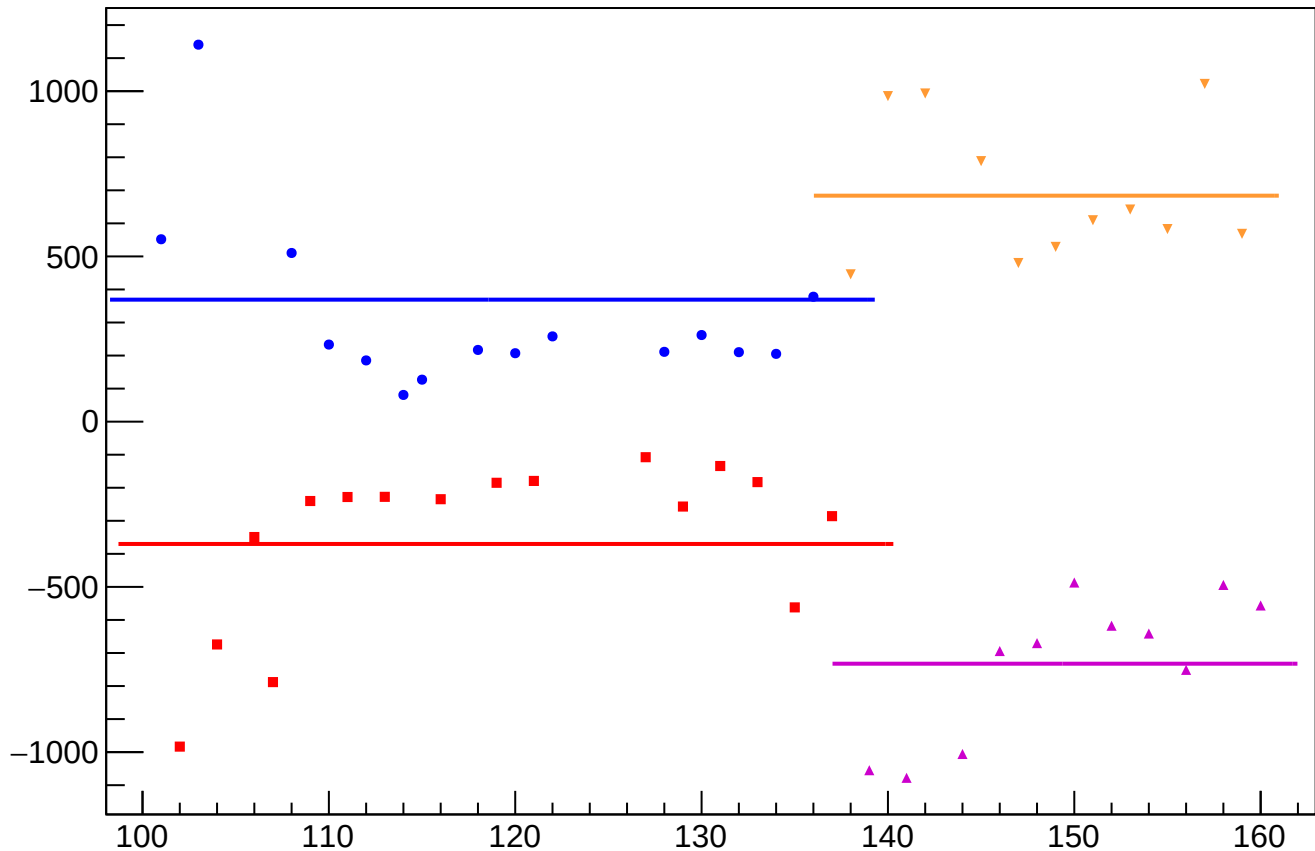
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_usl_coil1_mean vs Slug, Sign Corrected



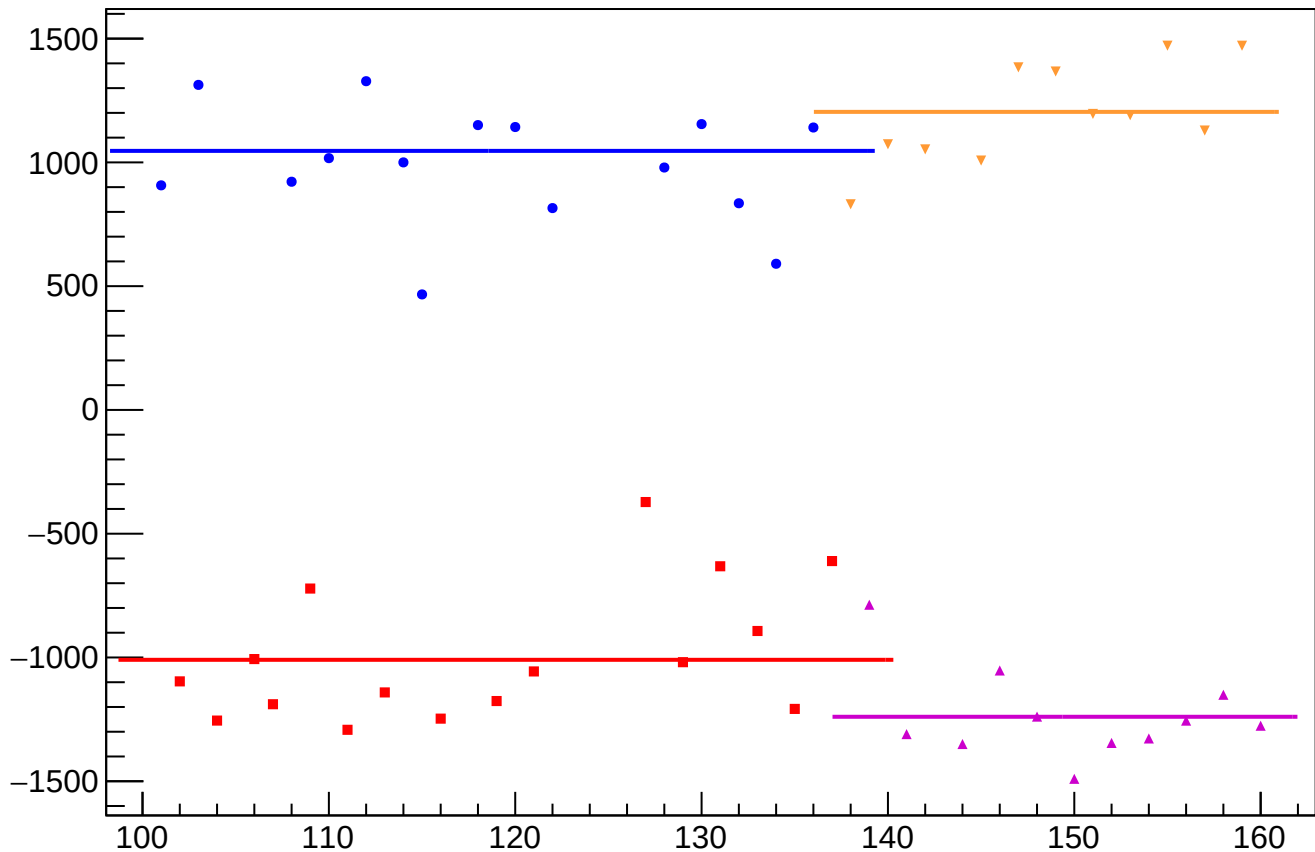
Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 30828.996+/-0.000 χ^2/NDF : 23225941804061934913195205321671126810624.0/10
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32448.675+/-0.000 χ^2/NDF : 6566176061380629796456552080625585094656.0/10
 All: -879.953+/-0.000 χ^2/NDF : 22318740534

dit_usl_coil1_err_mean vs Slug, Sign Corrected



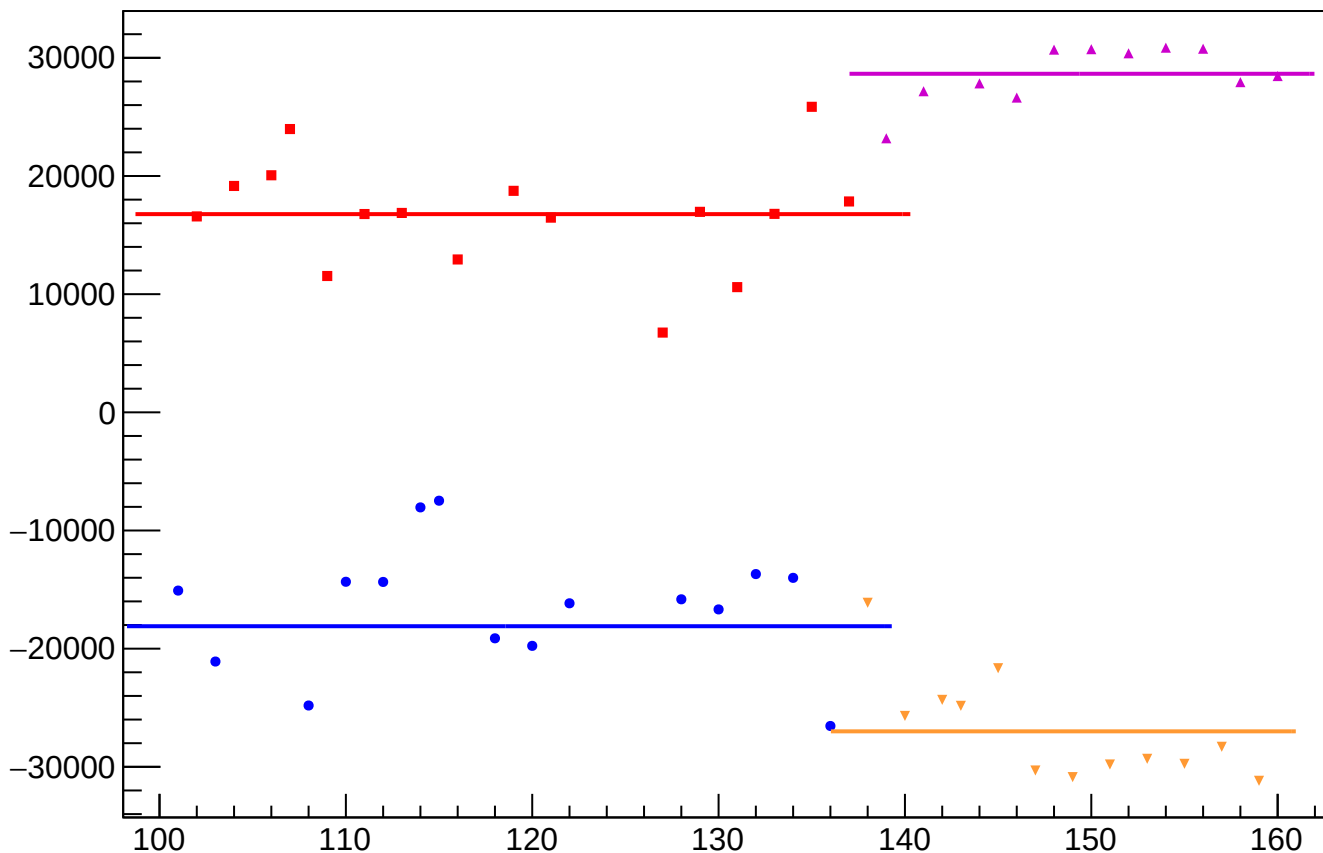
Right In: 369.169+/-0.000 χ^2/NDF : 48053036789565485994195833341370957824.0/14
 Left Out: 683.818+/-0.000 χ^2/NDF : 33889213327859325358647069977975193600.0/10
 Right Out: -370.091+/-0.000 χ^2/NDF : 48214462907052107543037037125316902912.0/15
 Left In: -732.414+/-0.000 χ^2/NDF : 39942105840529115736569596950263889920.0/10
 All: -33.257+/-0.000 χ^2/NDF : 123961521761

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1204.078 ± 0.000 $\chi^2/\text{NDF}: 33123375714267646220347434218144399360.0/10$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -37.543 ± 0.000 $\chi^2/\text{NDF}: 416981067496$

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -26996.716+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28650.410+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 17646333216214404420096394486681509560320.0/11

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4838827535981080826725947474344765554688.0/10

Left: 932.640+/-0.000 χ^2/NDF : 1447675891071353

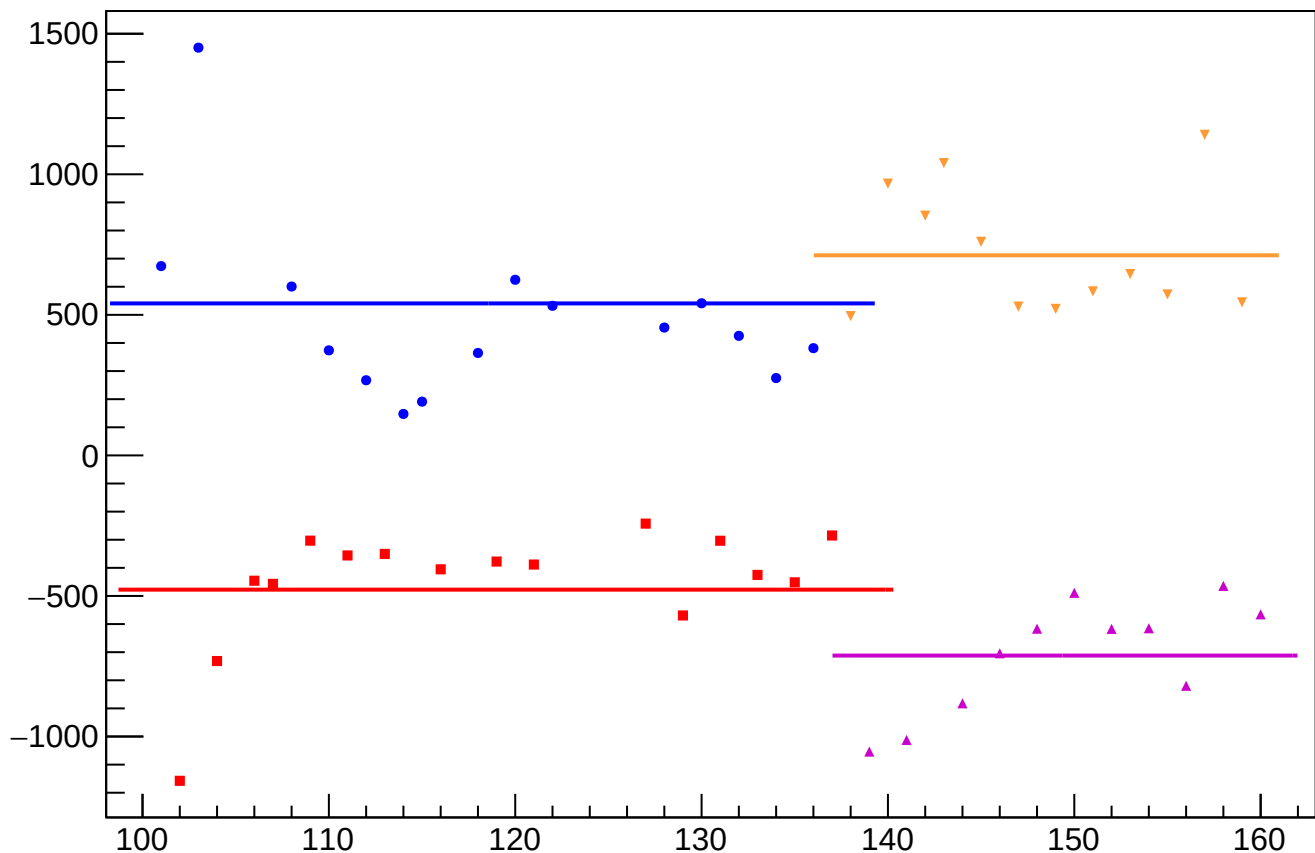
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8565.653+/-0.000 χ^2/NDF : 77165550758849

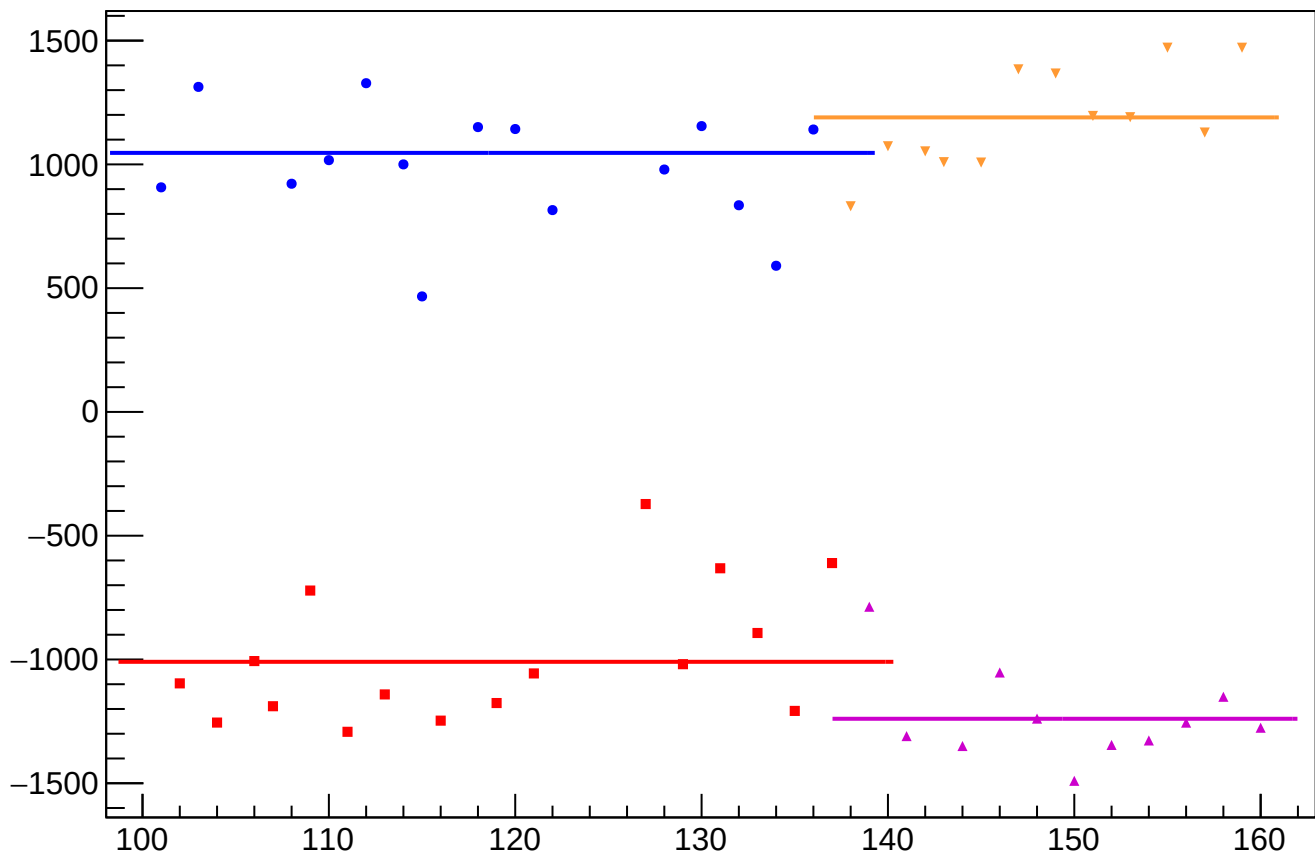
All: 366.700+/-0.000 χ^2/NDF : 187801906256

dit_usr_coil1_err_mean vs Slug, Sign Corrected



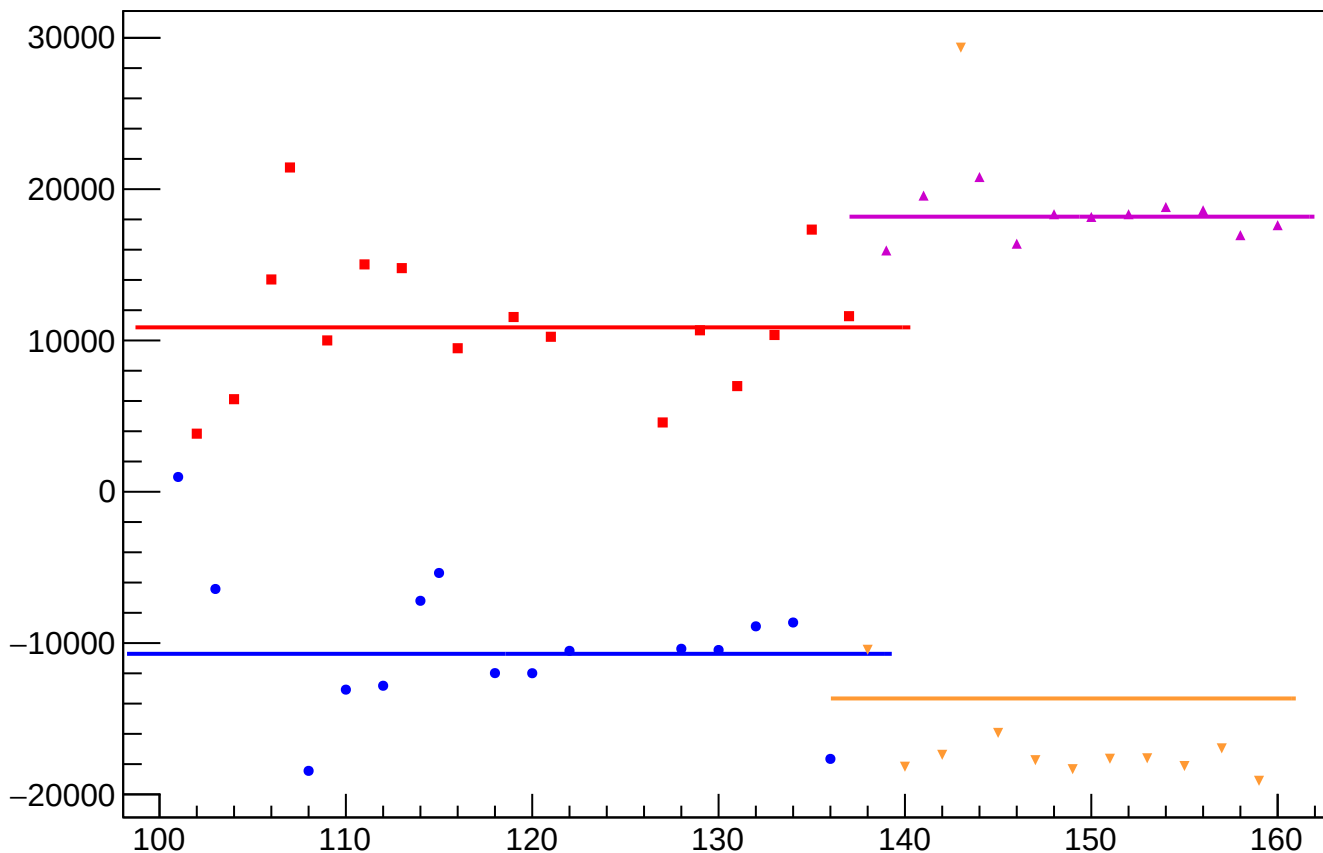
Left: -2.848+/-0.000 χ^2/NDF : 10101220835843143
 Right In: 540.663+/-0.000 χ^2/NDF : 64546819695986774721678785082975846400.0/14
 Left Out: 711.811+/-0.000 χ^2/NDF : 4288675510353598988278439443042402304.0/11
 Right Out: -477.546+/-0.000 χ^2/NDF : 38798306504296954461537116809760604160.0/15
 Left In: -712.092+/-0.000 χ^2/NDF : 34092045920503284936427855101460217856.0/10
 All: 8.592+/-0.000 χ^2/NDF : 14550717865096

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 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: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292 +/- 0.000

Left: 2320.964 +/- 0.000 χ^2/NDF : 60629172397315

Left Out: -13660.650 +/- 0.000

Right: 225.546 +/- 0.000 χ^2/NDF : 184316555733630

Right Out: 10866.264 +/- 0.000

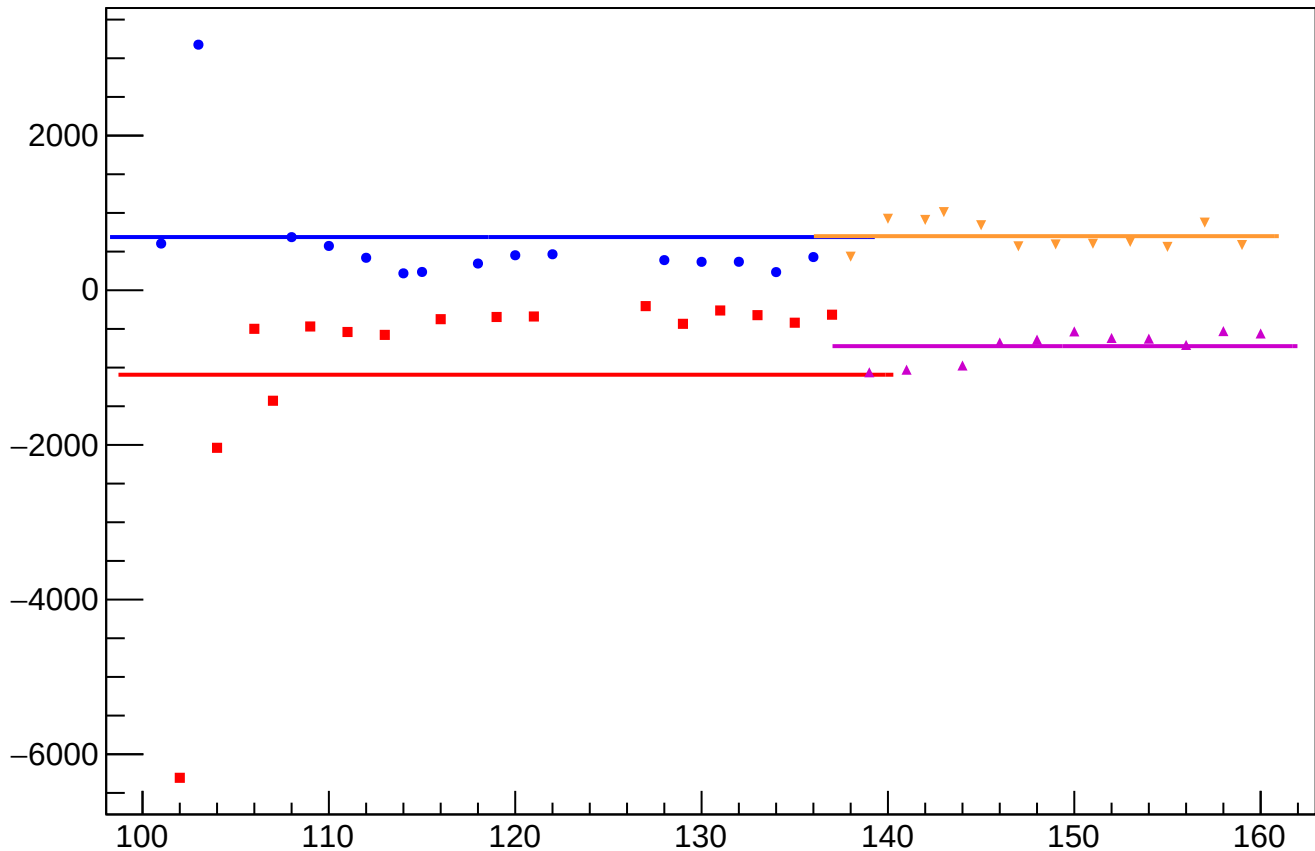
In: 6261.113 +/- 0.000 χ^2/NDF : 336815857232803

Left In: 18181.504 +/- 0.000

Out: -3332.713 +/- 0.000 χ^2/NDF : 38451914020075

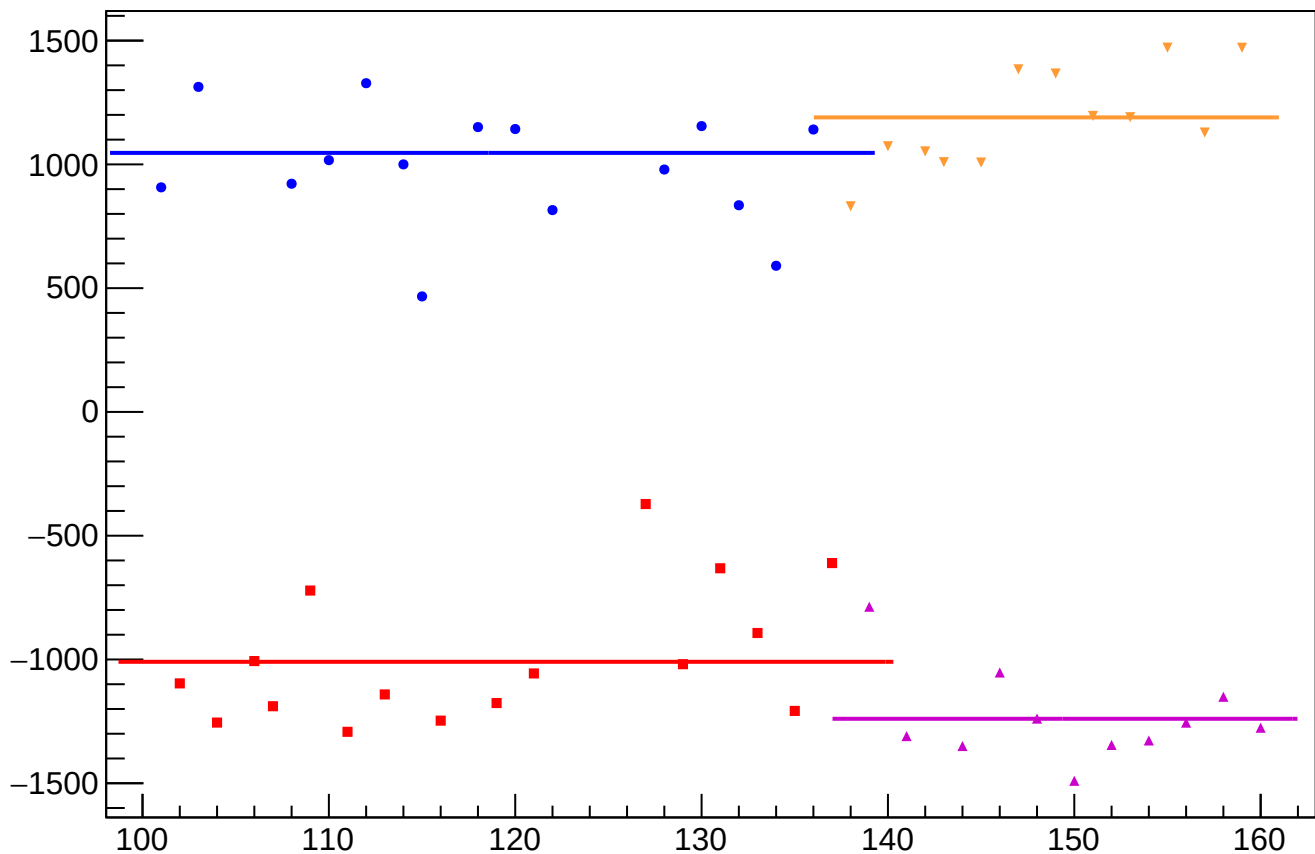
All: 1447.486 +/- 0.000 χ^2/NDF : 7939778643

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



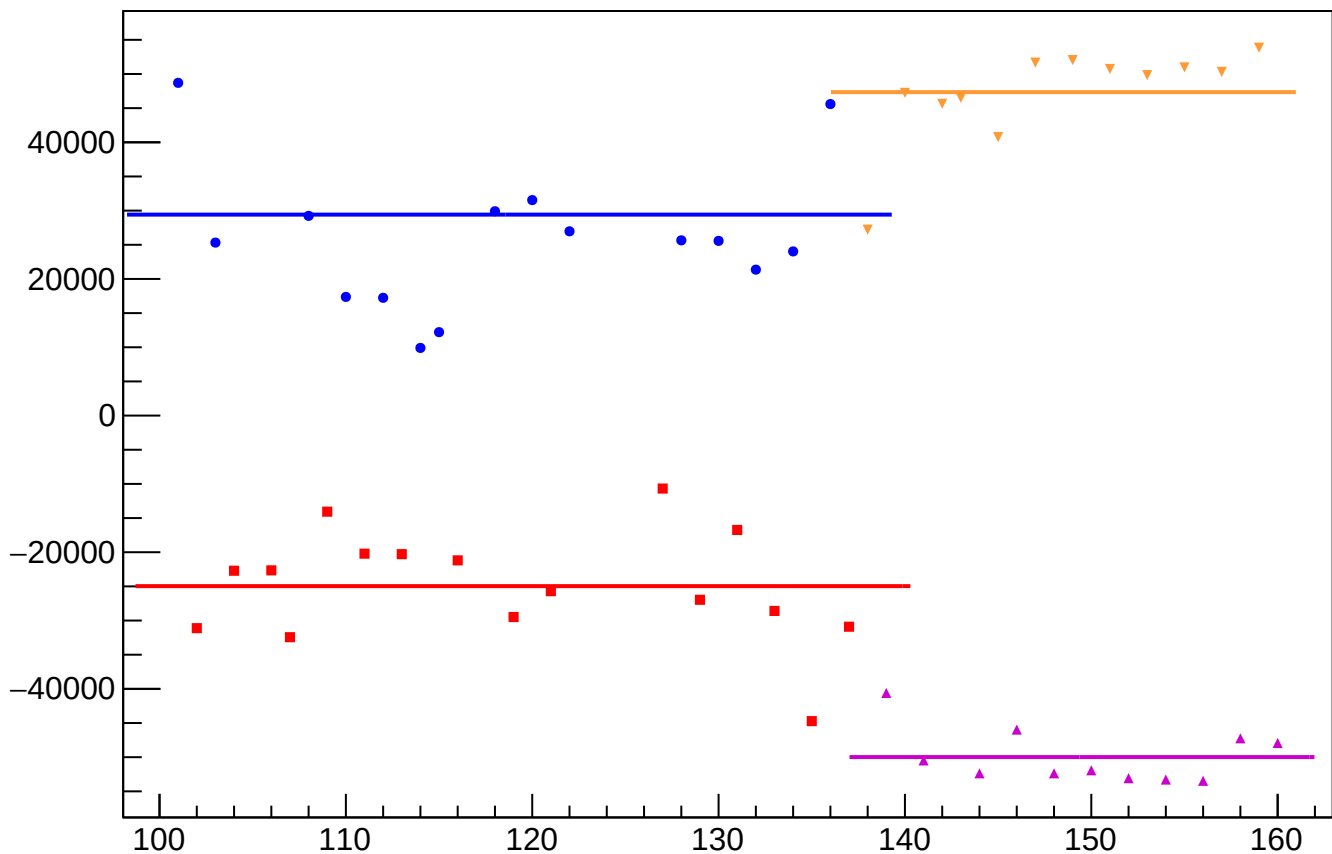
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 699.529 ± 0.000 $\chi^2/\text{NDF}: 28282813130903909256088396264464449536.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.692 ± 0.000 $\chi^2/\text{NDF}: 435863069477$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47346.512+/-0.000

χ^2/NDF : 45161873845138471299889685507142267699200.0/11

Right Out: -24963.010+/-0.000

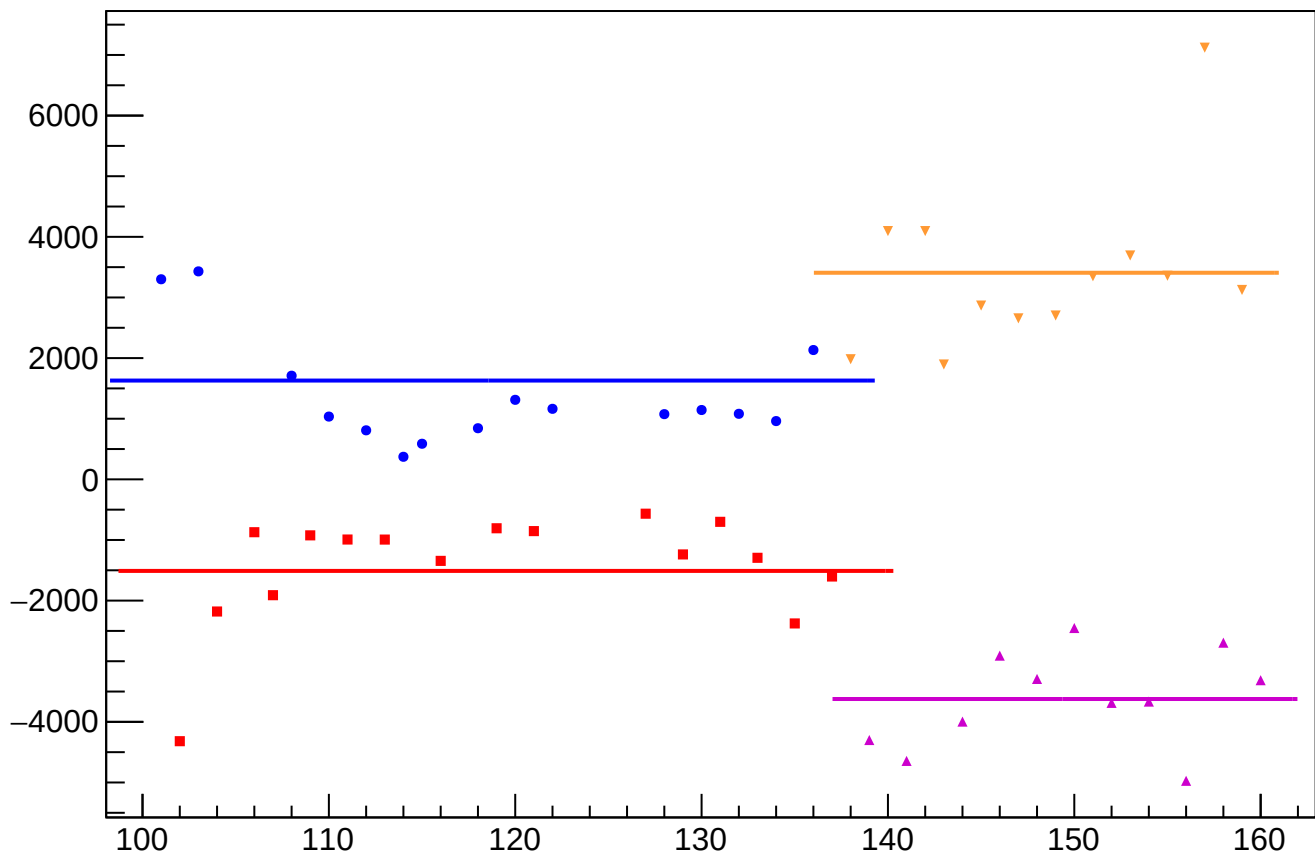
χ^2/NDF : 45631572920122171972835961685494315614208.0/15

Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

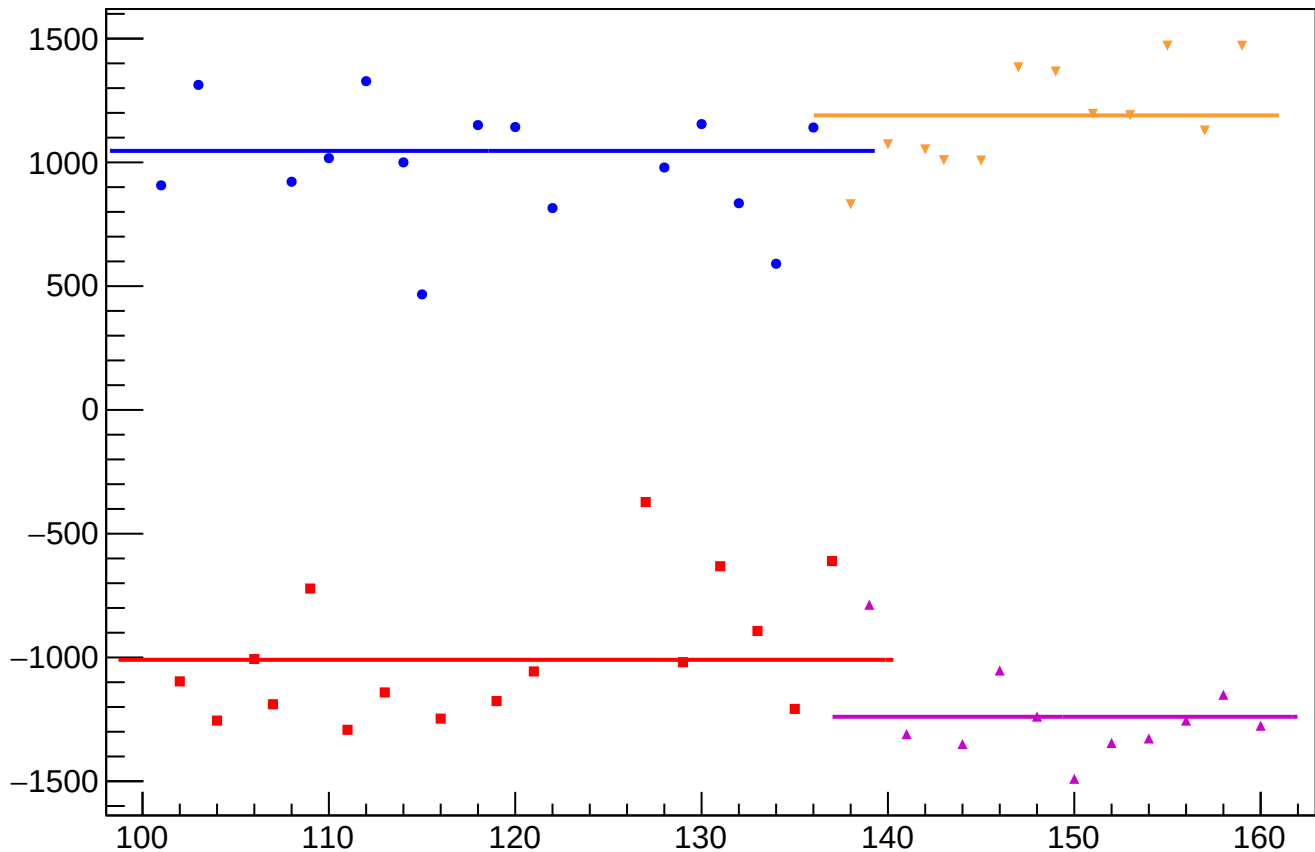
All: -103.303+/-0.000 χ^2/NDF : 55172213672

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



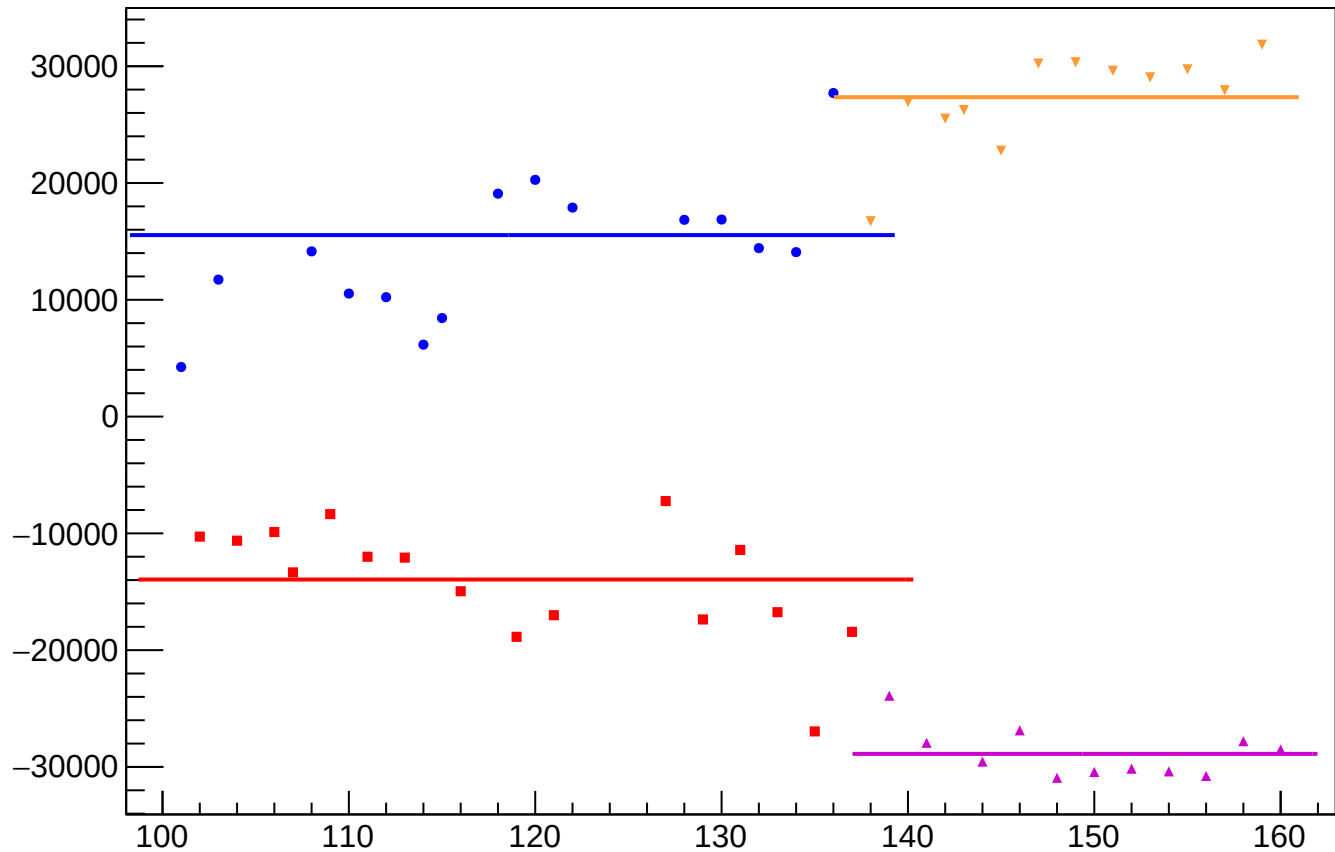
Right In: 1629.542 $\pm$ 0.000 χ^2 /NDF: 551738555355028902194697896437152219136.0/14
 Left Out: 3407.741 $\pm$ 0.000 χ^2 /NDF: 1584870057929033939797166763050451075072.0/11
 Right Out: -1510.293 $\pm$ 0.000 χ^2 /NDF: 688231904046816211321774524619745656832.0/15
 Left In: -3623.095 $\pm$ 0.000 χ^2 /NDF: 537714450371269509719141411292840984576.0/10
 All: -54.683 $\pm$ 0.000 χ^2 /NDF: 293759152191

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 27349.847+/-0.000

χ^2/NDF : 14883456917386062267776172319393710080000.0/11

Right Out: -13951.799+/-0.000

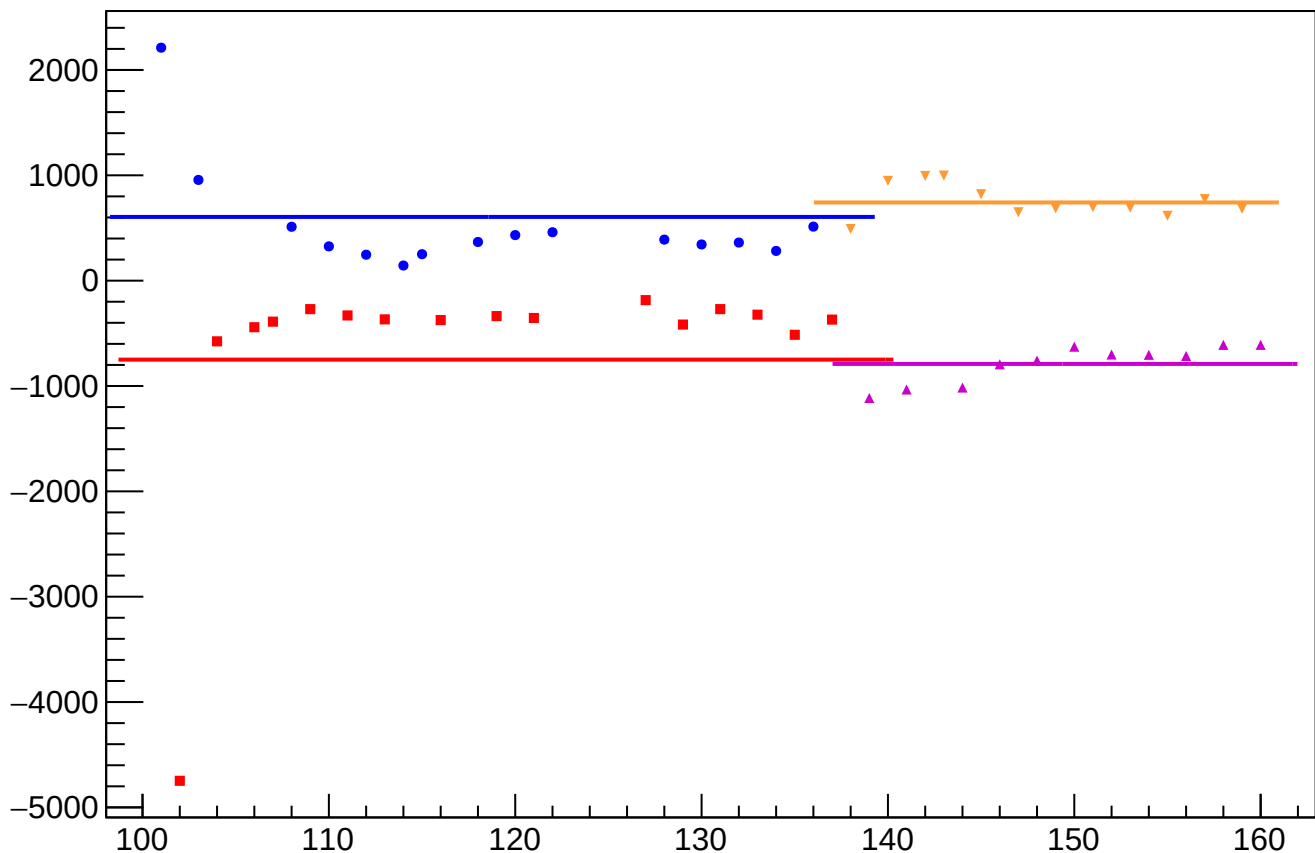
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

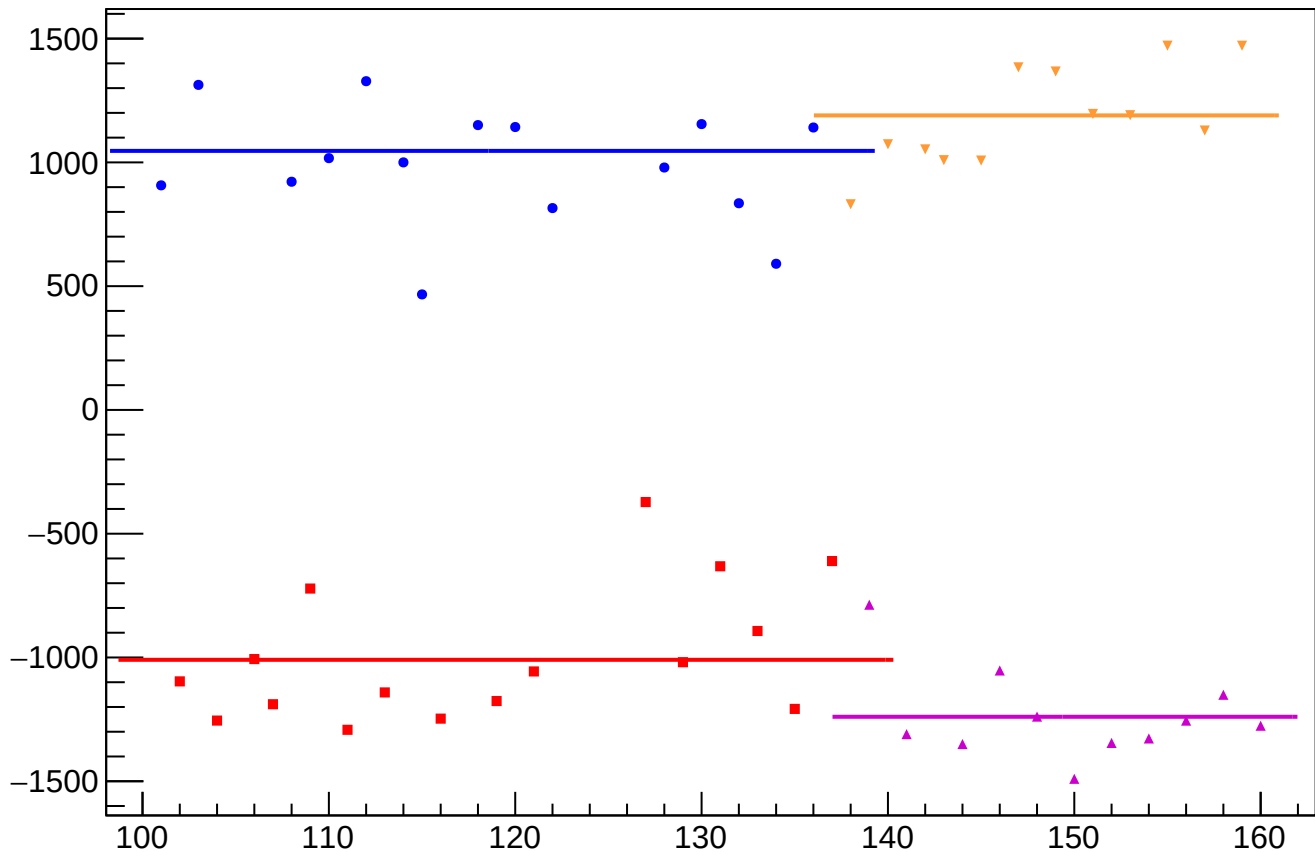
All: -261.903+/-0.000 χ^2/NDF : 18060333909

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



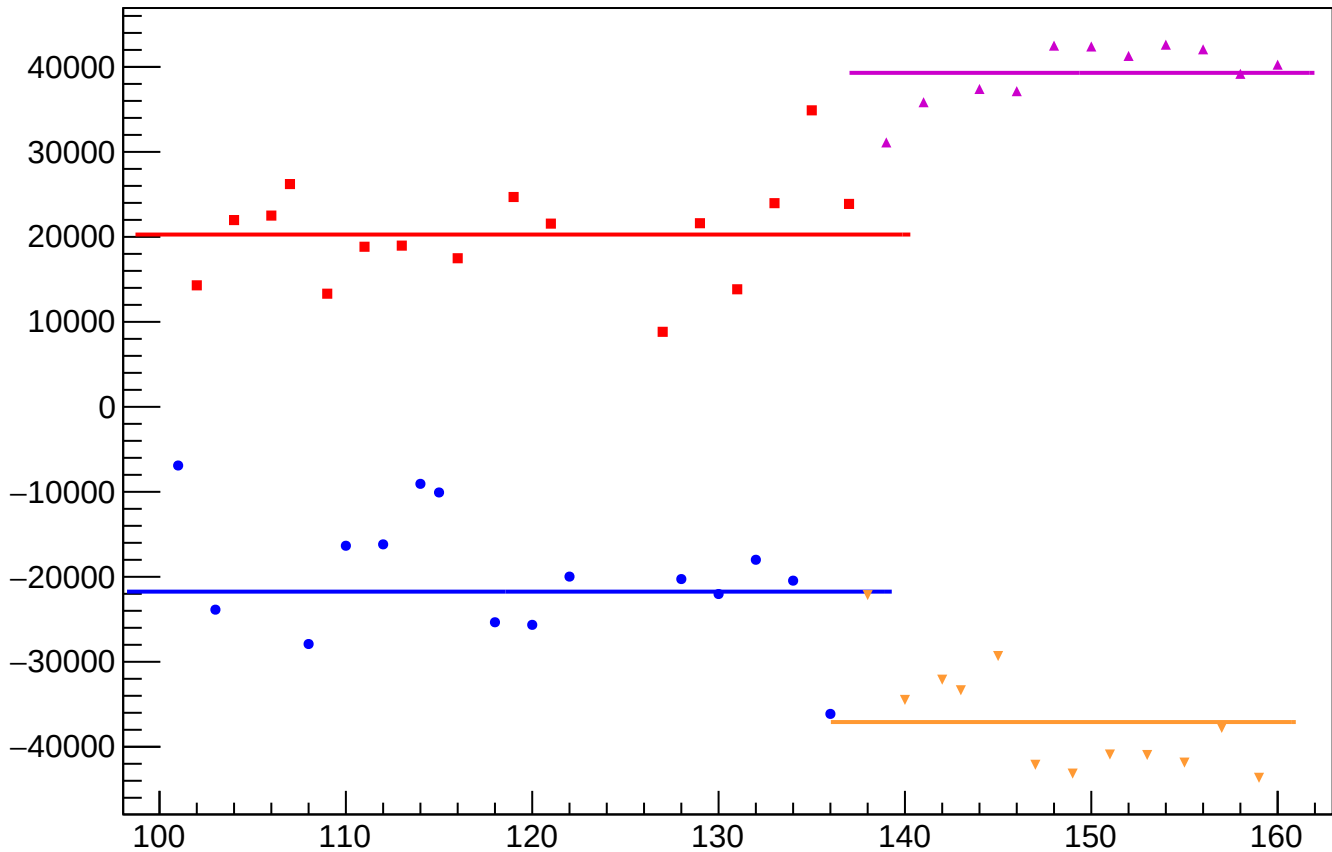
Right In: 605.034+/-0.000 χ^2/NDF : 189401522791607614448600157723362852864.0/14
 Left Out: 742.547+/-0.000 χ^2/NDF : 19133072840660474437485049781053030400.0/11
 Right Out: -749.582+/-0.000 χ^2/NDF : 1021358768377495935693748779804344188928.0/15
 Left In: -790.283+/-0.000 χ^2/NDF : 27375995163011560101349166949437800448.0/10
 All: -49.607+/-0.000 χ^2/NDF : 294454152400

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 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: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -37089.024+/-0.000

Right Out: 20275.415+/-0.000

Left In: 39301.203+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 37696615174692315635920208068597564571648.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10890557195828480655850873156116452212736.0/10

Left: 1251.318+/-0.000 χ^2/NDF : 273432195857747

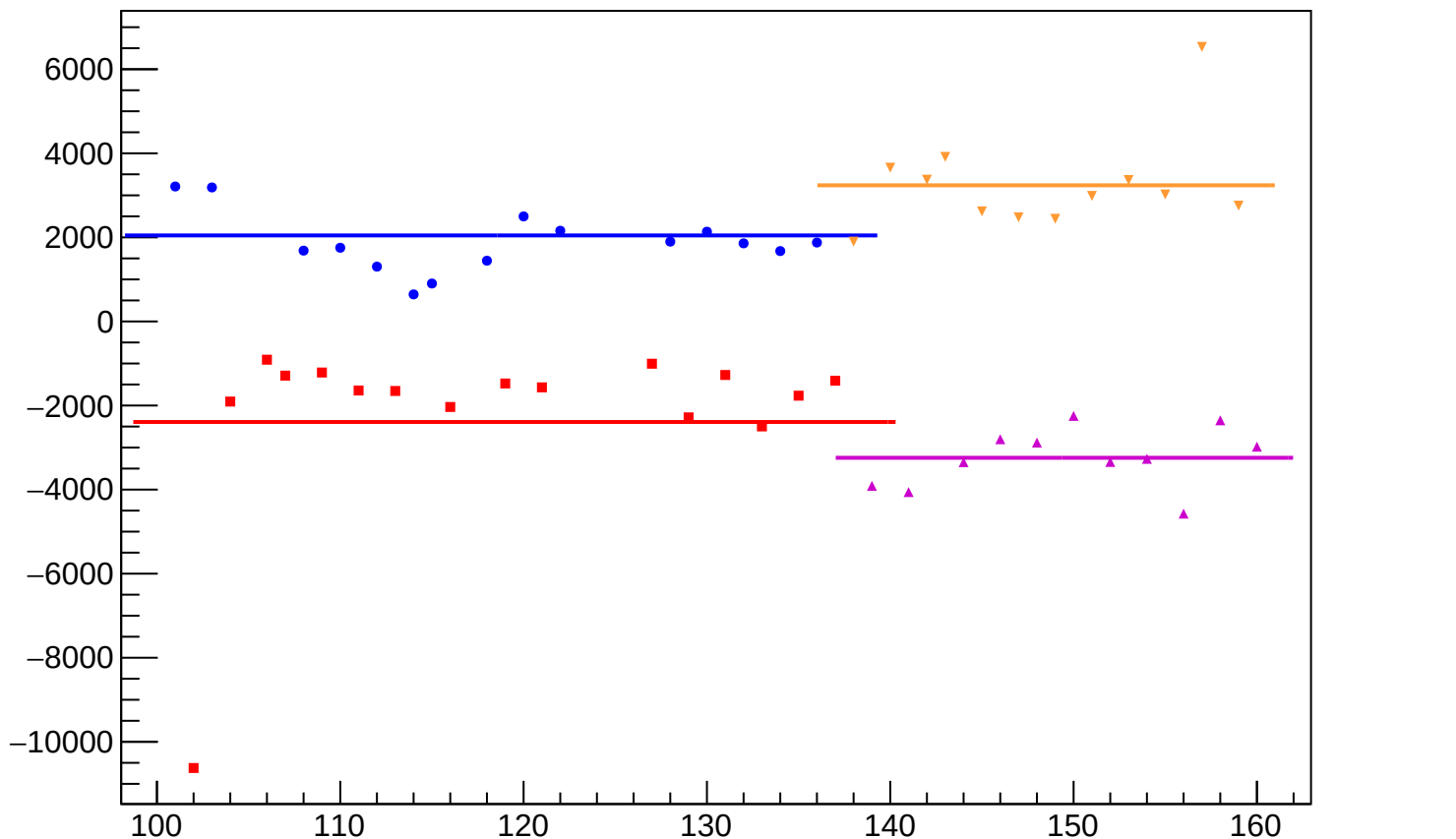
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 14114.985+/-0.000 χ^2/NDF : 147263048816292

Out: -12933.670+/-0.000 χ^2/NDF : 1334281188451

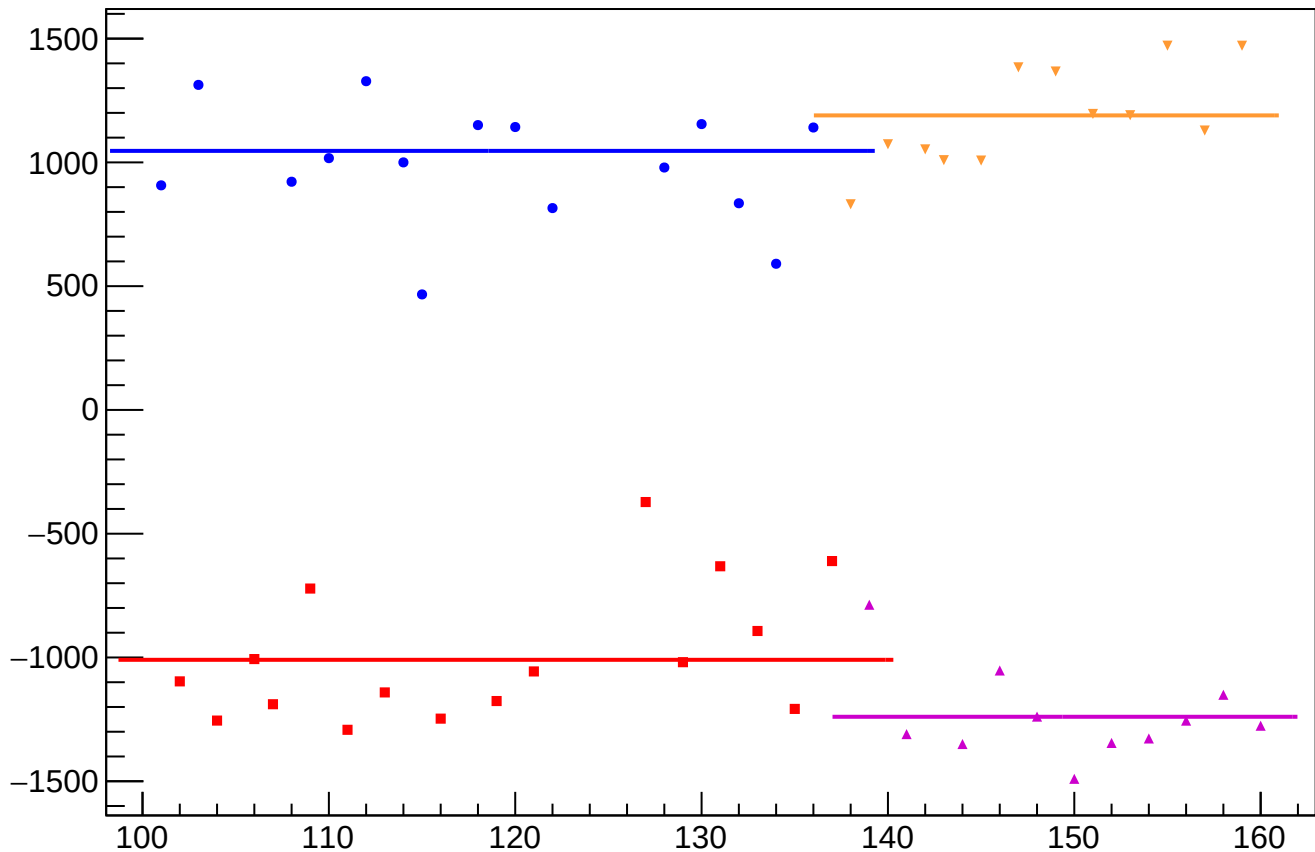
All: 543.534+/-0.000 χ^2/NDF : 338434343792

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



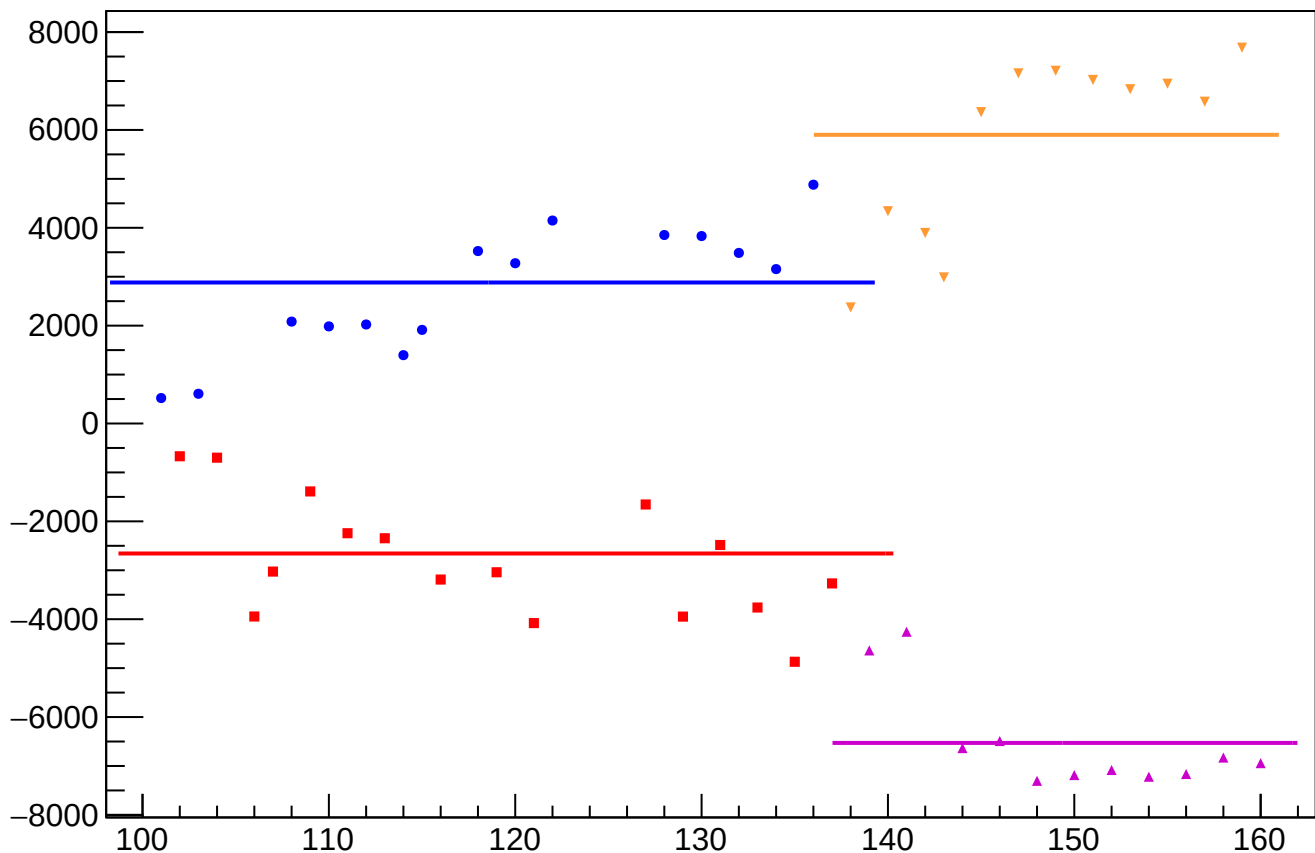
Right In: 2046.354+/-0.000 χ^2/NDF : 266555515927348892036833058355226345472.0/14
 Left Out: 3238.684+/-0.000 χ^2/NDF : 1200935390034847061403610621854649155584.0/11
 Right Out: -2391.939+/-0.000 χ^2/NDF : 4415294964789778815259357544579499819008.0/15
 Left In: -3243.479+/-0.000 χ^2/NDF : 422752345809564414875941115453230809088.0/10
 All: -93.266+/-0.000 χ^2/NDF : 321510662885

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



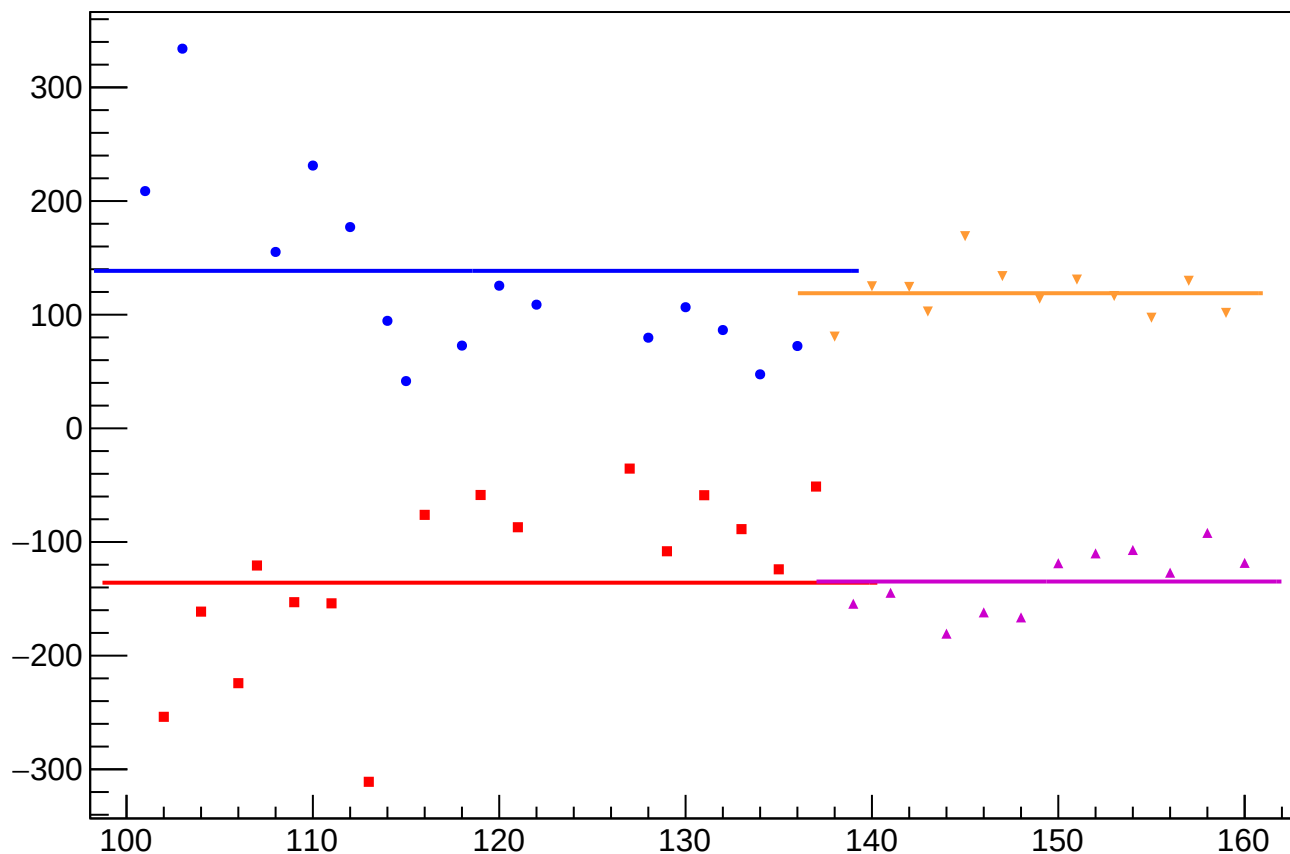
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam1_coil1_mean vs Slug, Sign Corrected



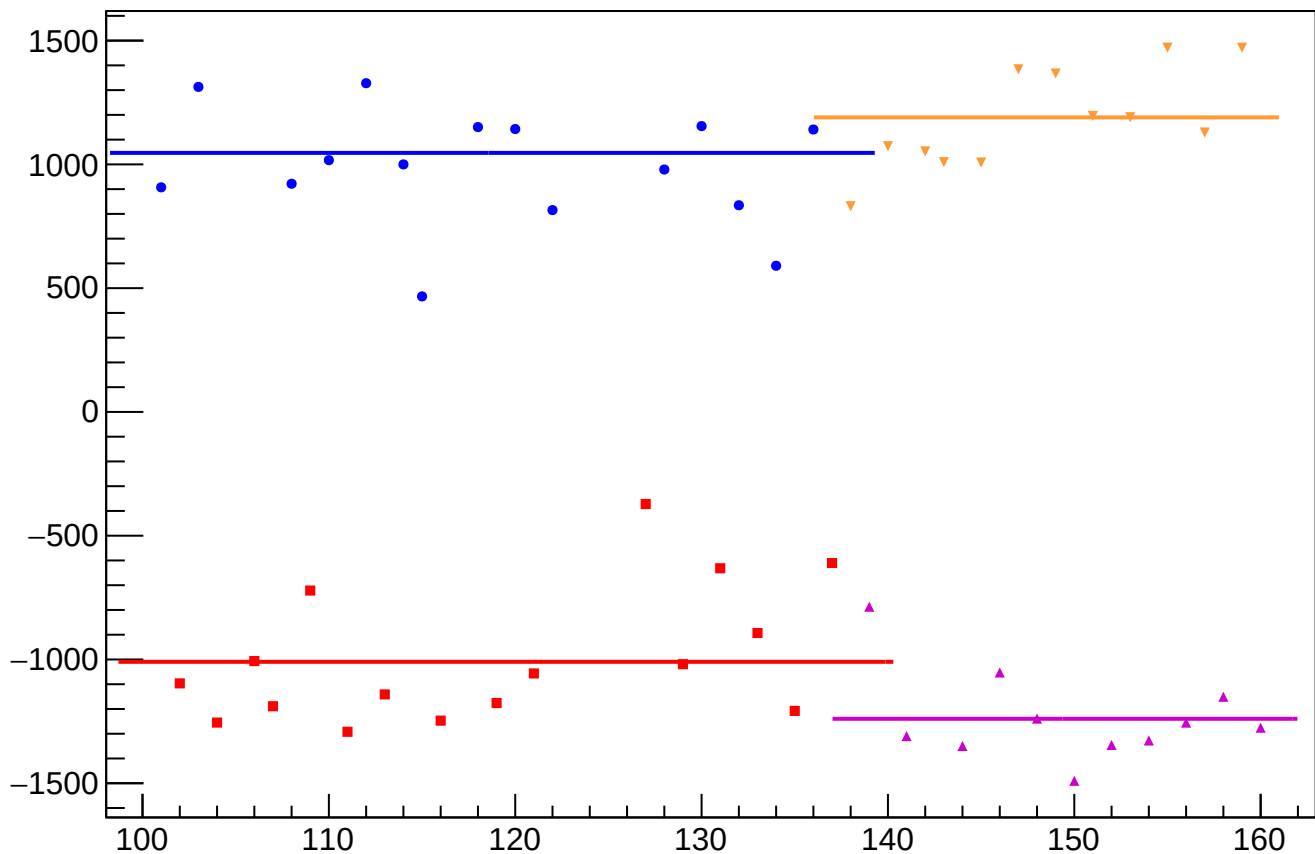
Right In: 2881.935 $\pm$ 0.000 χ^2 /NDF: 1320319391496525533692082365878834823168.0/14
 Left Out: 5900.145 $\pm$ 0.000 χ^2 /NDF: 2757689906494435175416115853599080185856.0/11
 Right Out: -2656.918 $\pm$ 0.000 χ^2 /NDF: 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681 $\pm$ 0.000 χ^2 /NDF: 940619832290547661204641528694924378112.0/10
 All: -165.935 $\pm$ 0.000 χ^2 /NDF: 87414816042

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



Left: -8.429 +/- 0.000 χ^2/NDF : 30748748835801659
 Right In: 138.577 +/- 0.000 χ^2/NDF : 4242369889979811373883774021335515136.0/14
 Right: -0.492 +/- 0.000 χ^2/NDF : 3296375379571767
 Left Out: 118.892 +/- 0.000 χ^2/NDF : 441331340602238377798748666087866368.0/11
 In: -21.999 +/- 0.000 χ^2/NDF : 33420435655866245
 Right Out: -135.809 +/- 0.000 χ^2/NDF : 3956401741862524263243160868173643776.0/15
 Out: 11.641 +/- 0.000 χ^2/NDF : 29447244036267580
 Left In: -134.785 +/- 0.000 χ^2/NDF : 689808602632315539029860685392642048.0/10
 All: -5.121 +/- 0.000 χ^2/NDF : 6376084521741

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000

χ^2/NDF : 24866624766048512267031234680614551552.0/14

Left Out: 1189.821+/-0.000

χ^2/NDF : 35487872642876563282140008444600516608.0/11

Right Out: -1009.445+/-0.000

χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1239.553+/-0.000

χ^2/NDF : 29116180330425505242594030704390045696.0/10

Left: -29.485+/-0.000 χ^2/NDF : 2780895357711007

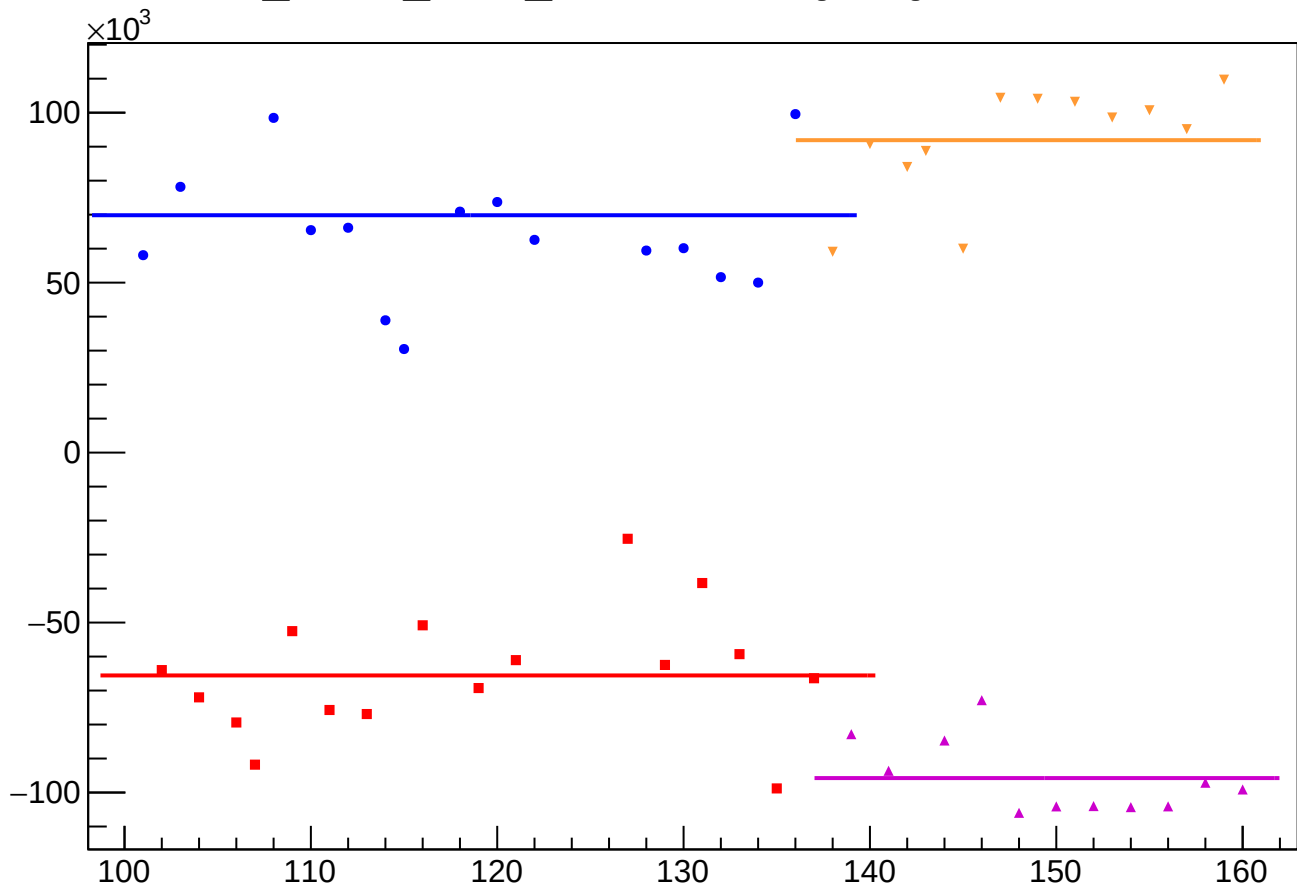
Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576

In: -296.360+/-0.000 χ^2/NDF : 2046292009130527

Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667

All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797 $\pm$ 0.000

χ^2 /NDF: 187803282116493131197684060541288926150656.0/14

Left Out: 91909.028 $\pm$ 0.000

χ^2 /NDF: 240792875976910962309751824422513810604032.0/11

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

Left: -2276.957 $\pm$ 0.000 χ^2 /NDF: 16550956478626

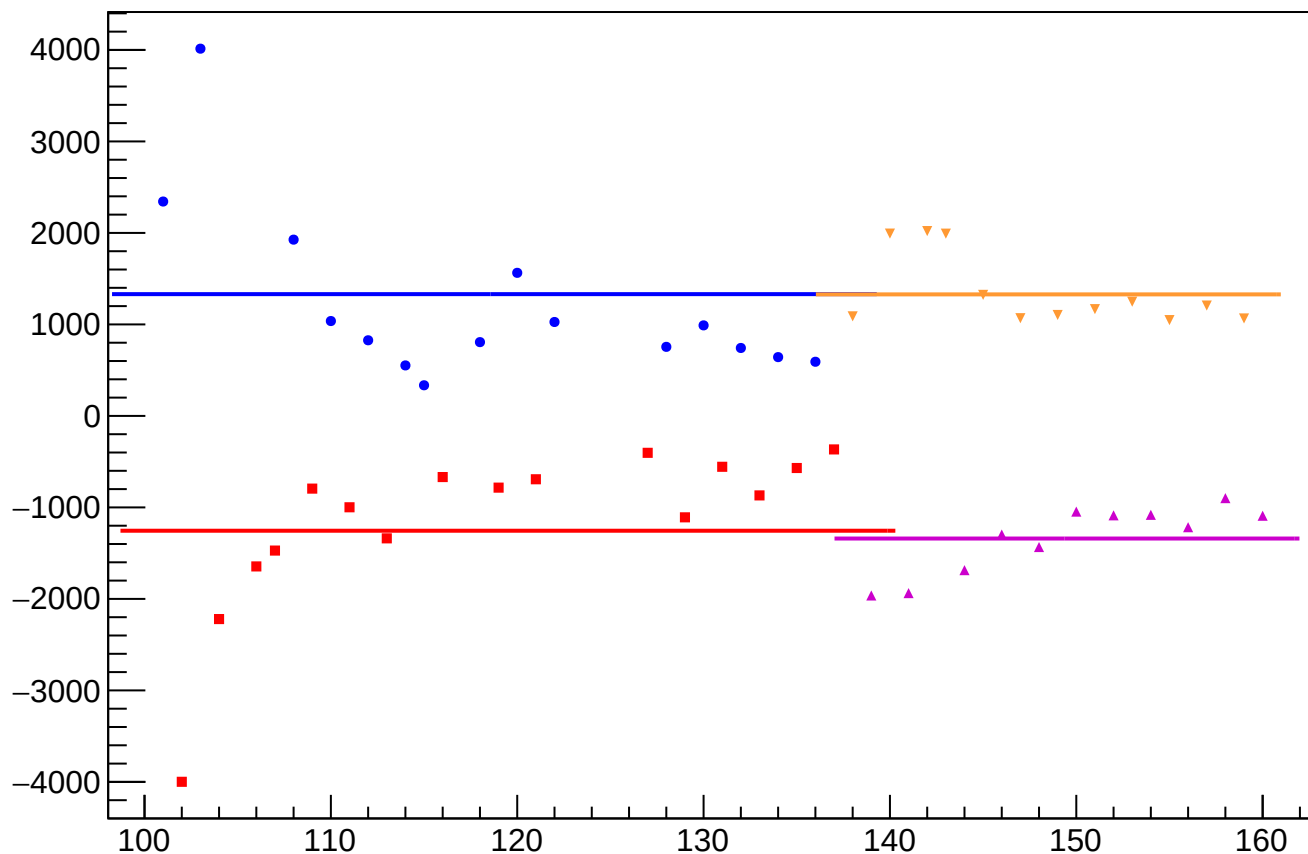
Right: 1210.454 $\pm$ 0.000 χ^2 /NDF: 64287668357099

In: -27434.339 $\pm$ 0.000 χ^2 /NDF: 10741931116501

Out: 25603.090 $\pm$ 0.000 χ^2 /NDF: 10027016853732

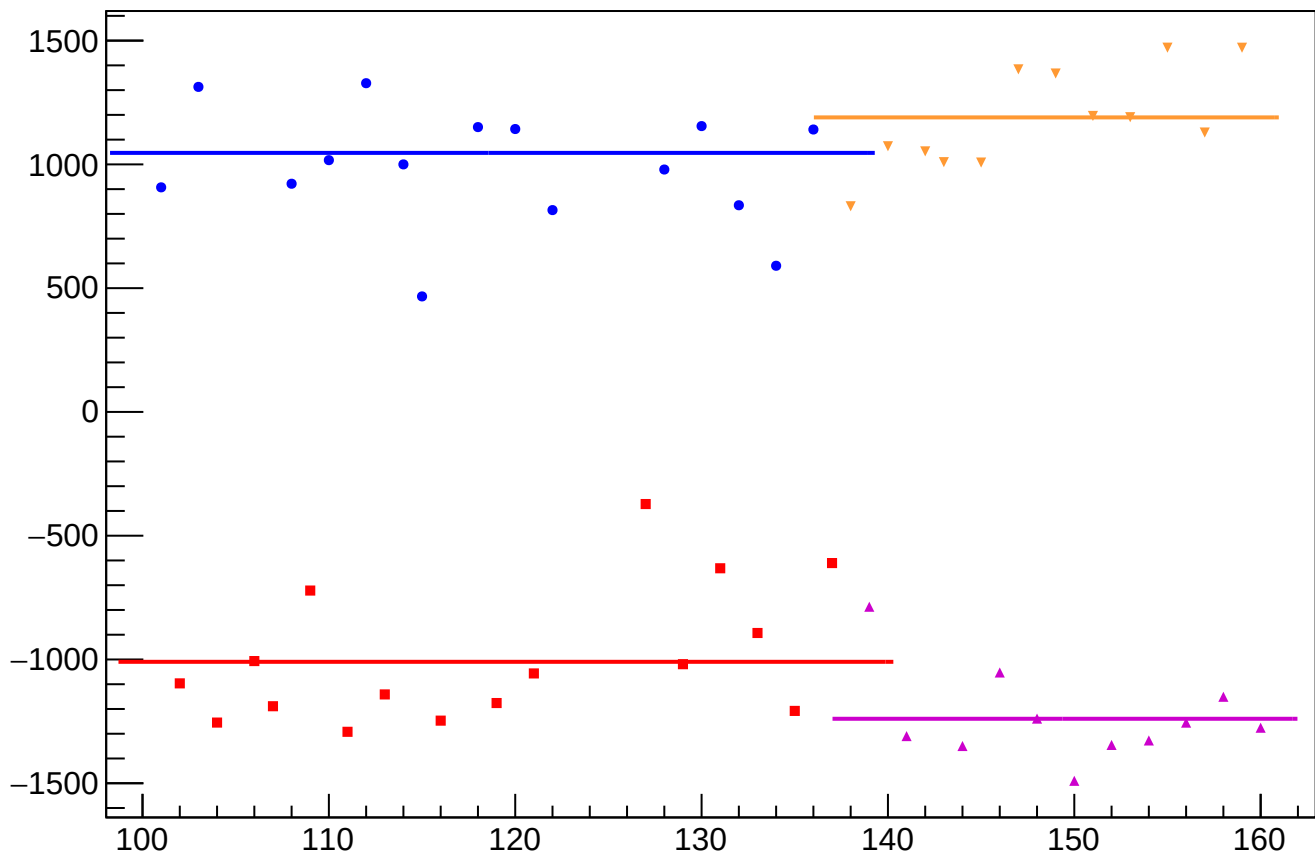
All: -823.225 $\pm$ 0.000 χ^2 /NDF: 22989056744

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



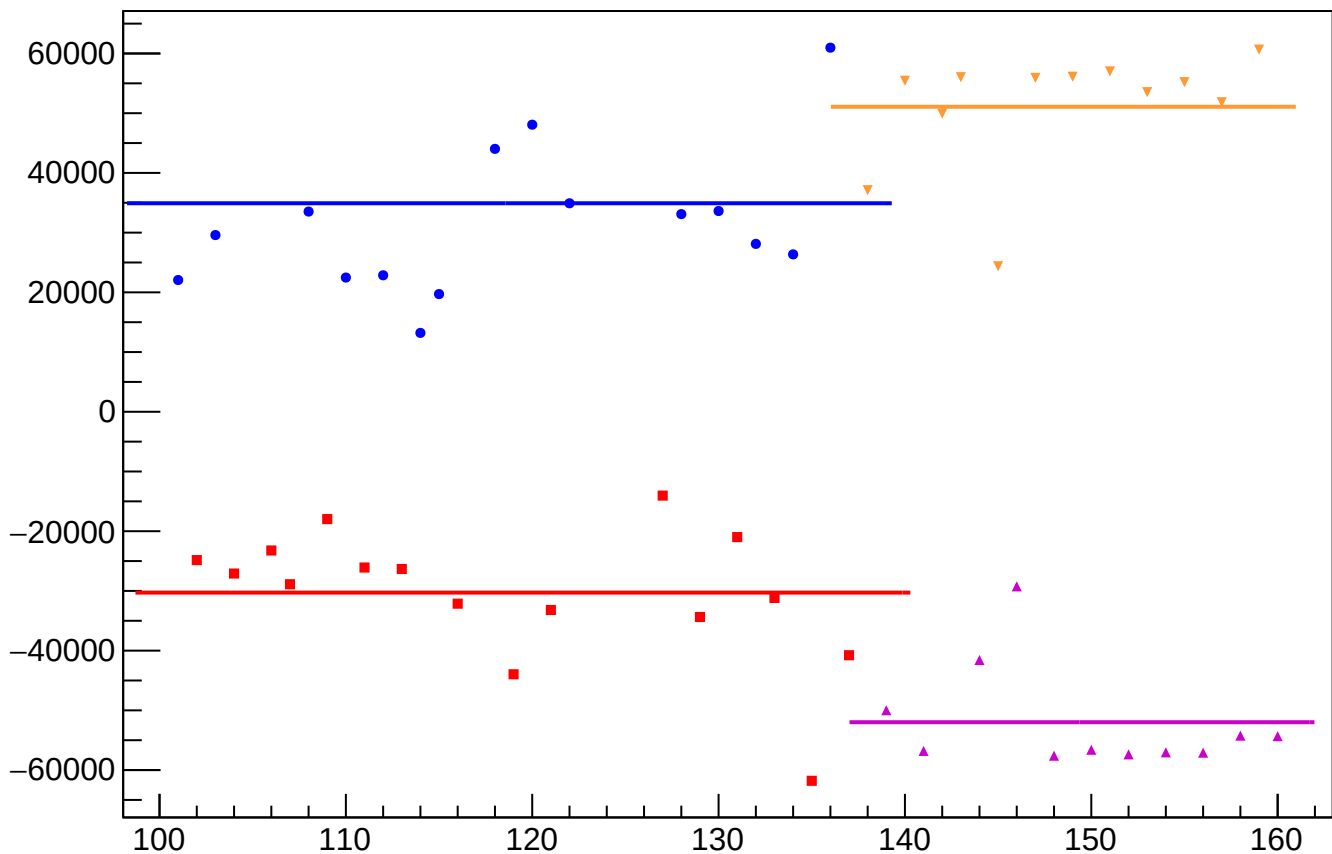
Left: -11.011 +/- 0.000 χ^2/NDF : 3508881544765835
 Right In: 1330.956 +/- 0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Right: 20.358 +/- 0.000 χ^2/NDF : 3481069250883615
 Left Out: 1328.309 +/- 0.000 χ^2/NDF : 117346287967386958303859795101623517184.0/11
 In: -238.106 +/- 0.000 χ^2/NDF : 3483766445044589
 Right Out: -1254.871 +/- 0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Out: 240.569 +/- 0.000 χ^2/NDF : 3326101384624055
 Left In: -1340.185 +/- 0.000 χ^2/NDF : 114204911168201277023830767366477709312.0/10
 All: 2.065 +/- 0.000 χ^2/NDF : 69907059694753

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



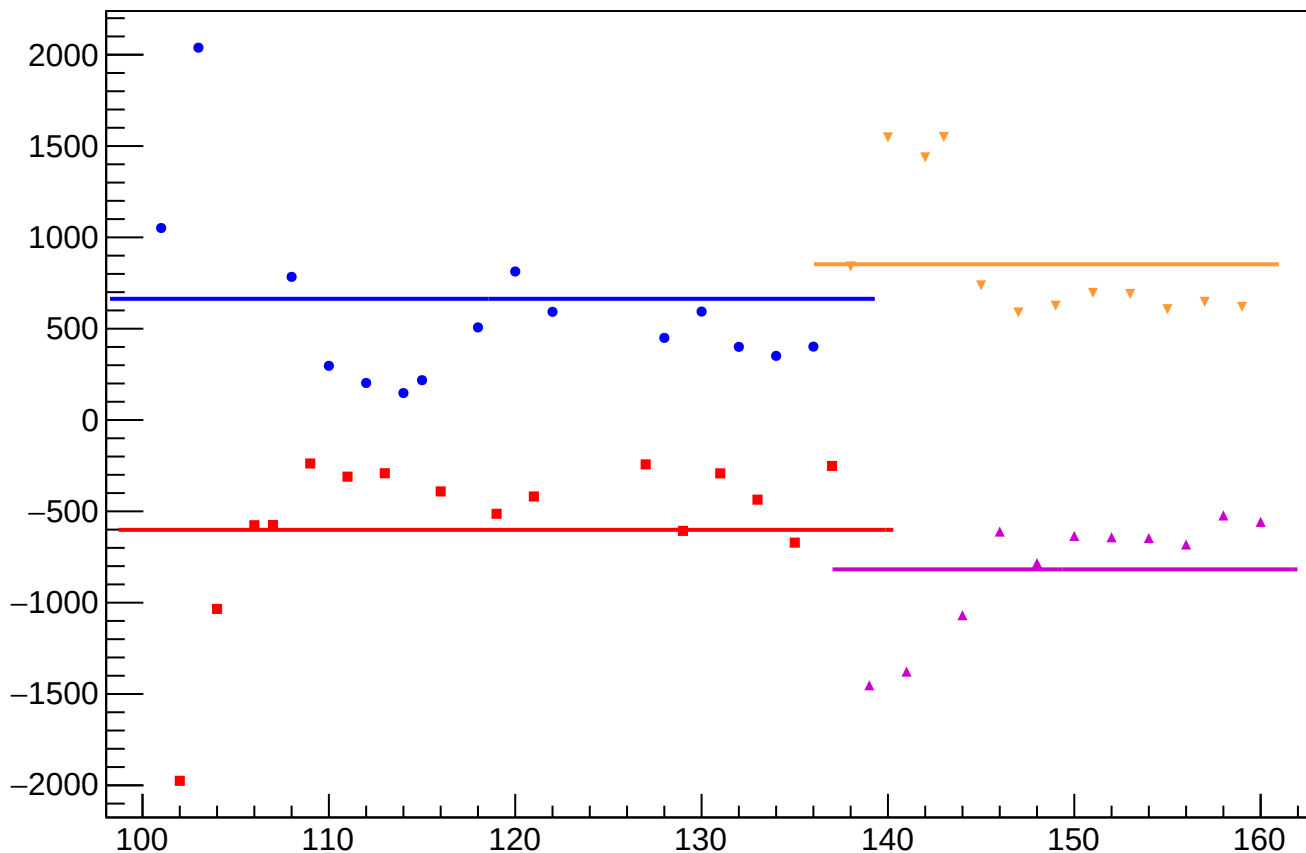
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34919.716+/-0.000 χ^2/NDF : 106387385440718622155122541848729997017088.0/14
 Left Out: 51078.913+/-0.000 χ^2/NDF : 92171566183632008367490399553102026899456.0/11
 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: 402.100+/-0.000 χ^2/NDF : 664619739497

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



Right In: 663.574+/-0.000

χ^2/NDF : 157691812872720822886914966597312446464.0/14

Left Out: 852.828+/-0.000

χ^2/NDF : 115391521173207267272974066416613326848.0/11

Right Out: -601.216+/-0.000

χ^2/NDF : 149717884331889332339995334350831878144.0/15

Left In: -817.657+/-0.000

χ^2/NDF : 90429548723715663326805299076811194368.0/10

Left: 14.410+/-0.000 χ^2/NDF : 14901385915040092

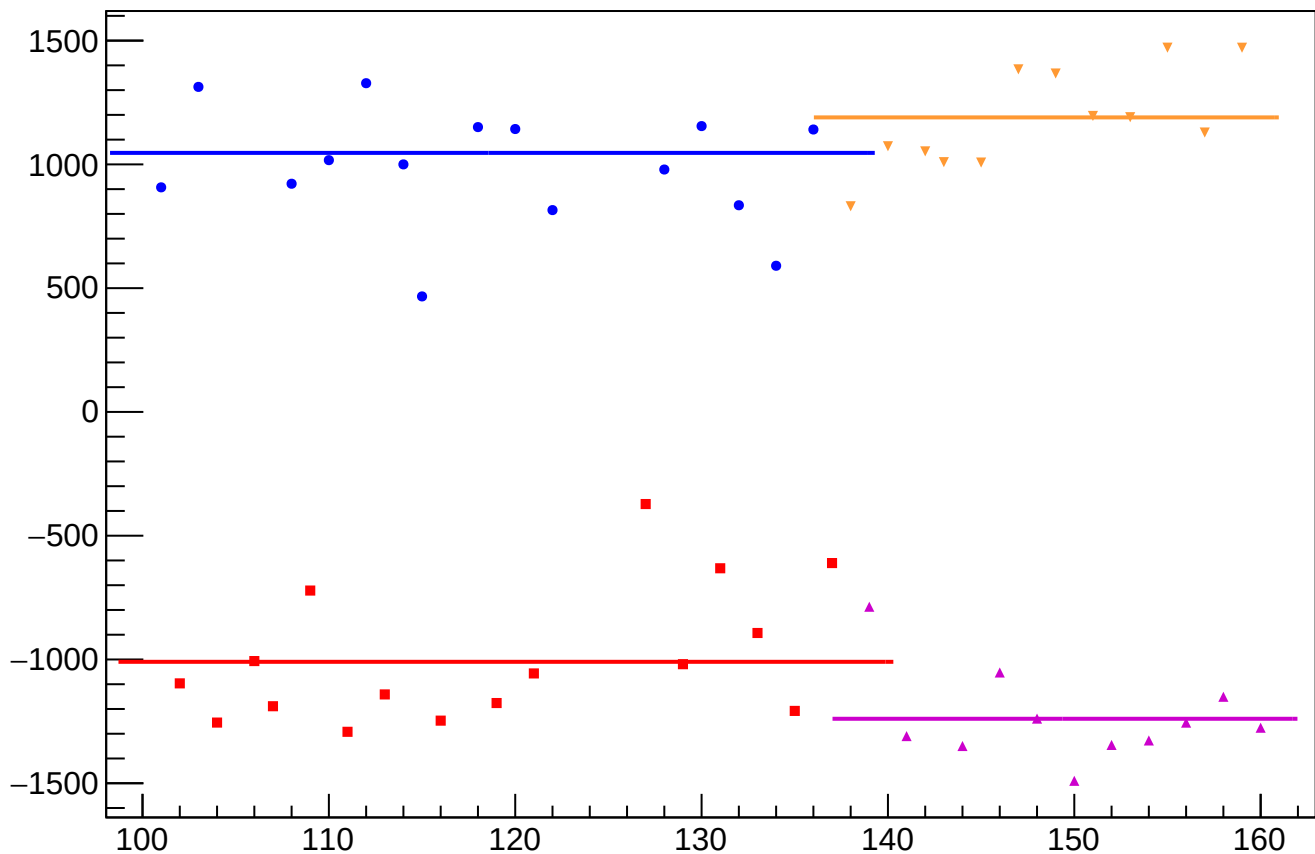
Right: 22.529+/-0.000 χ^2/NDF : 8336101395091641

In: -206.520+/-0.000 χ^2/NDF : 1084558135298016

Out: 240.550+/-0.000 χ^2/NDF : 1081494290409820

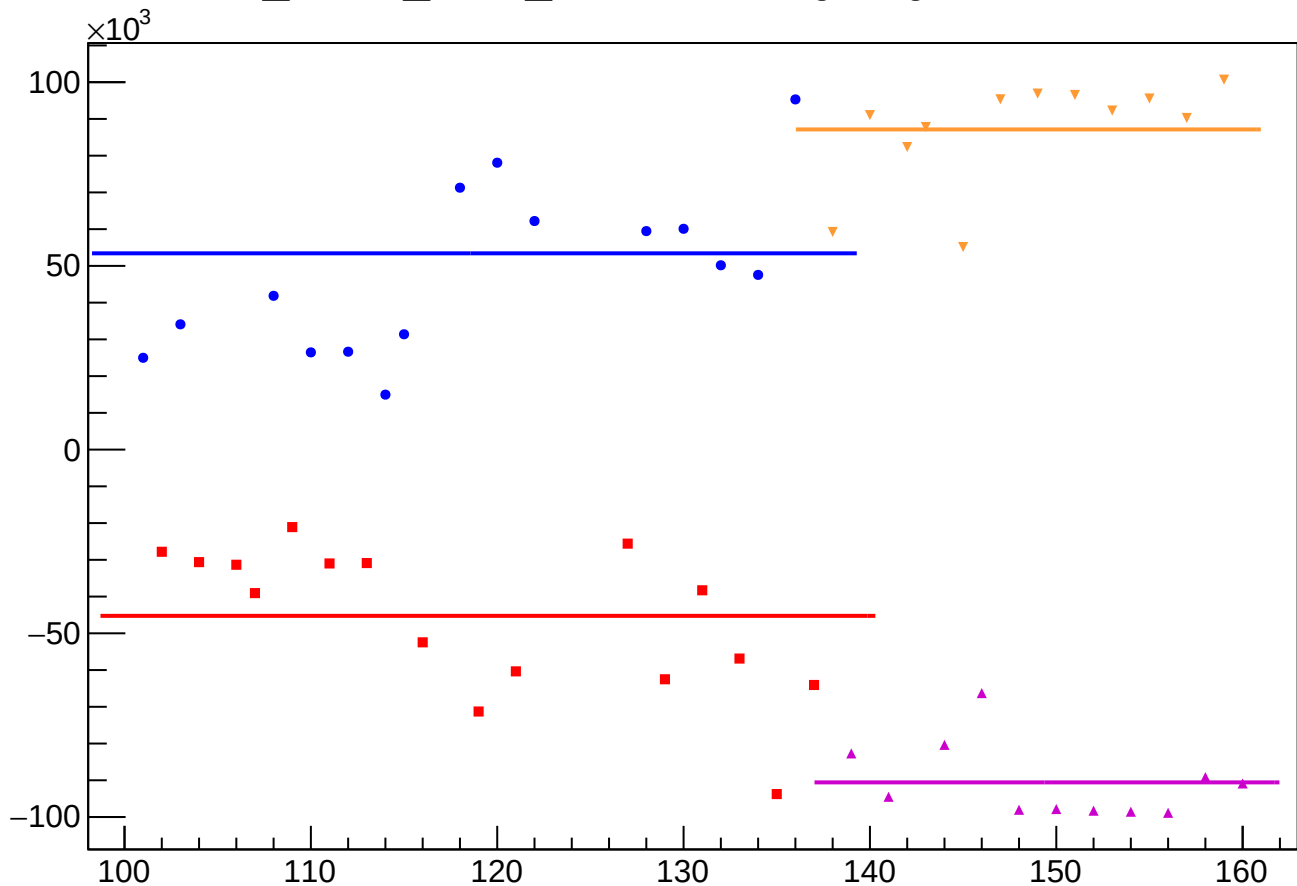
All: 17.794+/-0.000 χ^2/NDF : 2323799322021

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



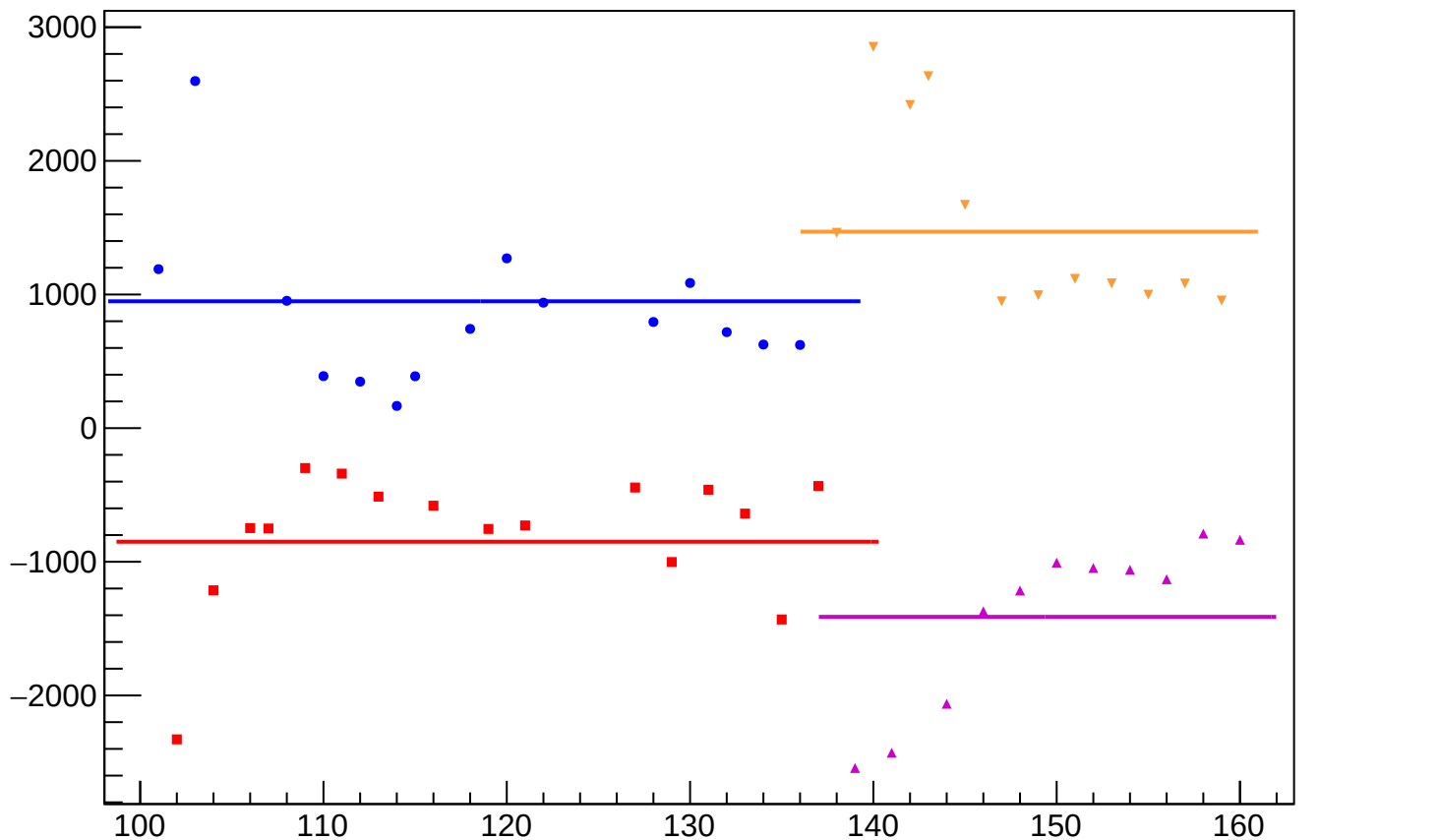
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam4_coil1_mean vs Slug, Sign Corrected



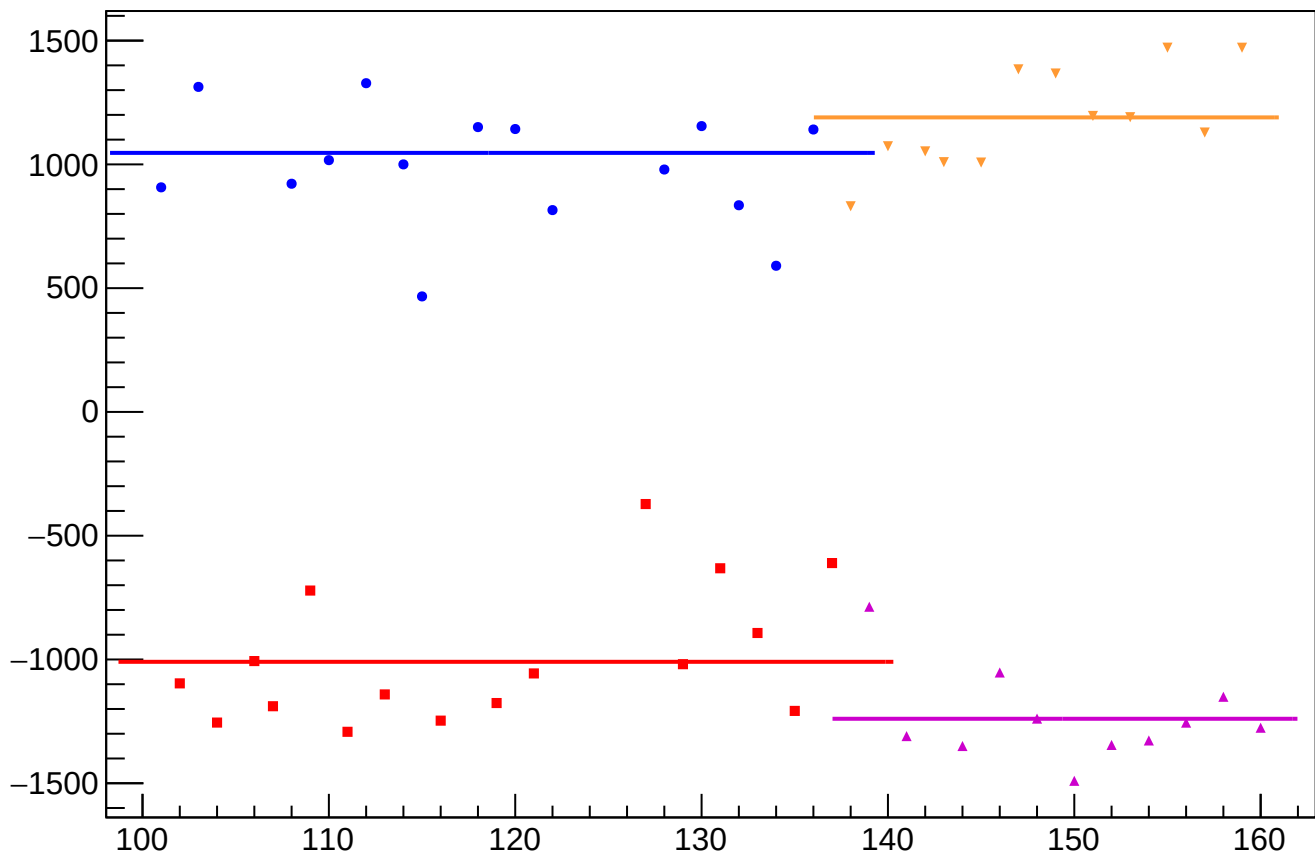
Right In: 53422.452+/-0.000	χ^2/NDF : 360635757315133800133751123167777346551808.0/14	Left: -2056.751+/-0.000	χ^2/NDF : 14814793512986
Left Out: 87135.960+/-0.000	χ^2/NDF : 189391741344290721413233098775018944331776.0/11	Right: 3412.622+/-0.000	χ^2/NDF : 38491691465863
Right Out: -45247.617+/-0.000	χ^2/NDF : 286060196488034430215784613374055547928576.0/15	In: -31162.736+/-0.000	χ^2/NDF : 83559951874998
Left In: -90573.760+/-0.000	χ^2/NDF : 90574081394354221593949262312406685581312.0/10	Out: 31391.108+/-0.000	χ^2/NDF : 72426395712249
	All: 223.165+/-0.000	χ^2/NDF : 186869193995	

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



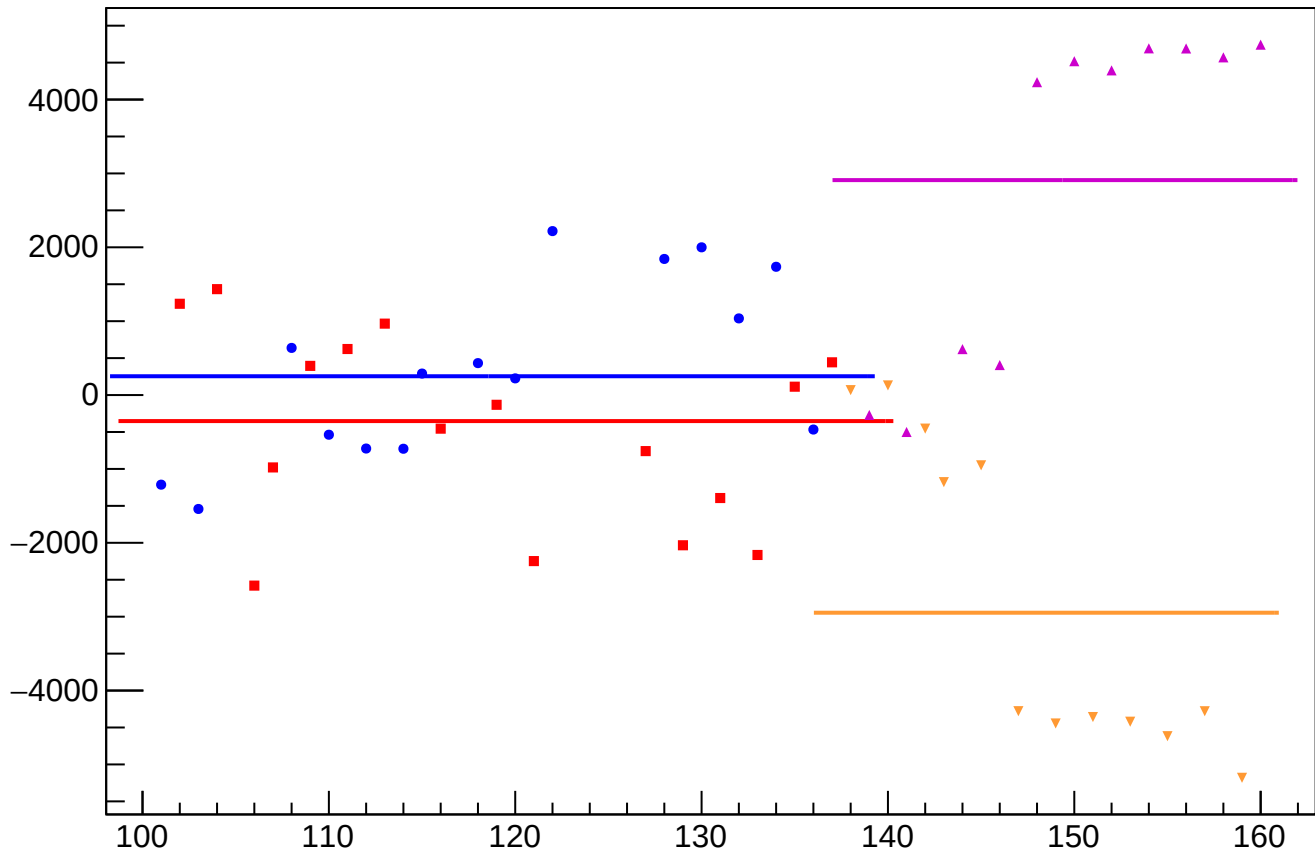
Right In: 949.197+/-0.000 χ^2/NDF : 225691032183153732733308094067658194944.0/14
 Left Out: 1470.170+/-0.000 χ^2/NDF : 405590375156650172280507211961333710848.0/11
 Right Out: -849.827+/-0.000 χ^2/NDF : 20462224261577247702227312745197338624.0/15
 Left In: -1412.186+/-0.000 χ^2/NDF : 332529390934897118157875972661756035072.0/10
 All: 29.294+/-0.000 χ^2/NDF : 6056877186089

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



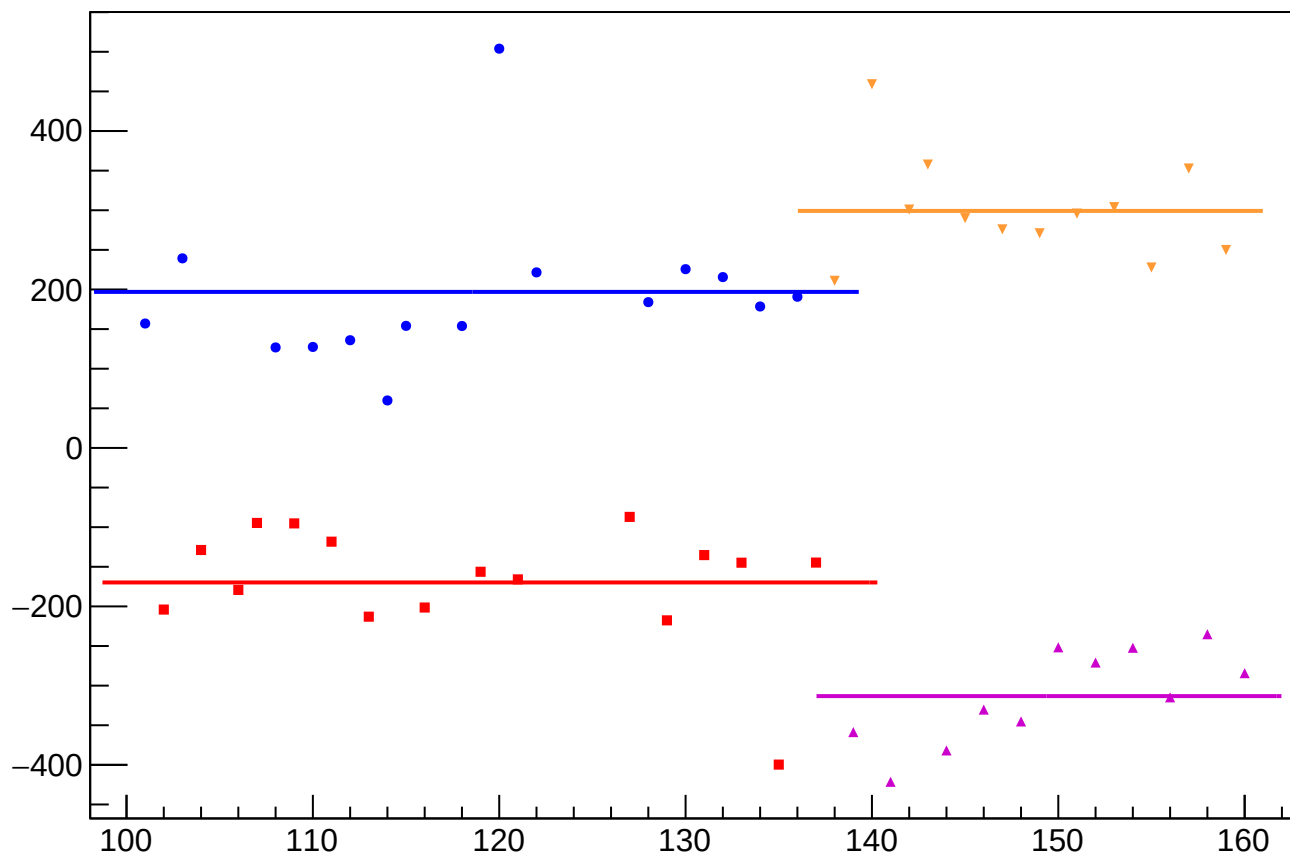
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam5_coil1_mean vs Slug, Sign Corrected



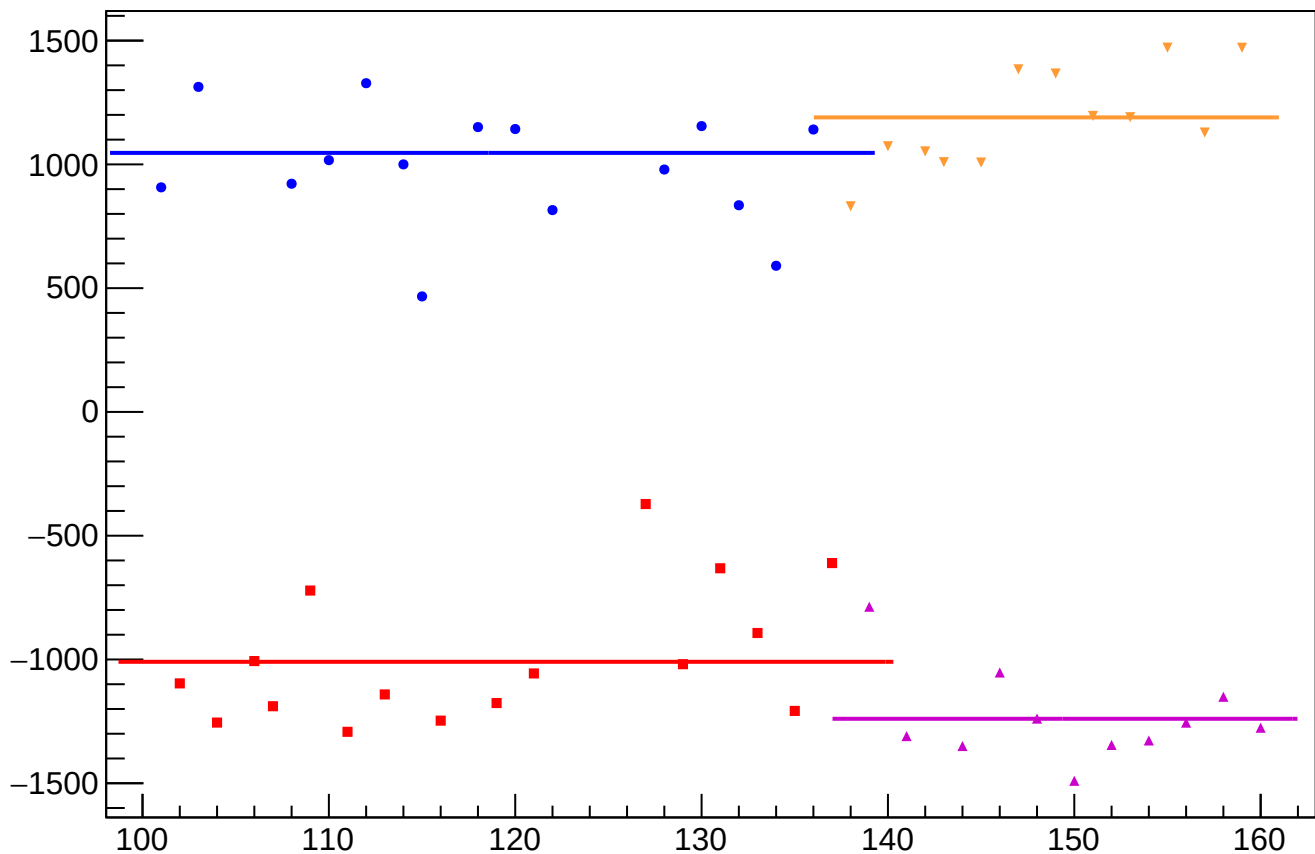
Left: -7.258 ± 0.000 $\chi^2/\text{NDF}: 23890758468151762$
 Right In: 254.578 ± 0.000 $\chi^2/\text{NDF}: 978402113531006640741569223967249530880.0/14$
 Left Out: -2946.326 ± 0.000 $\chi^2/\text{NDF}: 3731127313953628227585948865105357701120.0/11$
 Right Out: -352.308 ± 0.000 $\chi^2/\text{NDF}: 1100813647101508513447529068154010468352.0/15$
 Left In: 2909.545 ± 0.000 $\chi^2/\text{NDF}: 4377323512278558404902073126276443406336.0/10$
 All: -26.332 ± 0.000 $\chi^2/\text{NDF}: 260927325802$

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



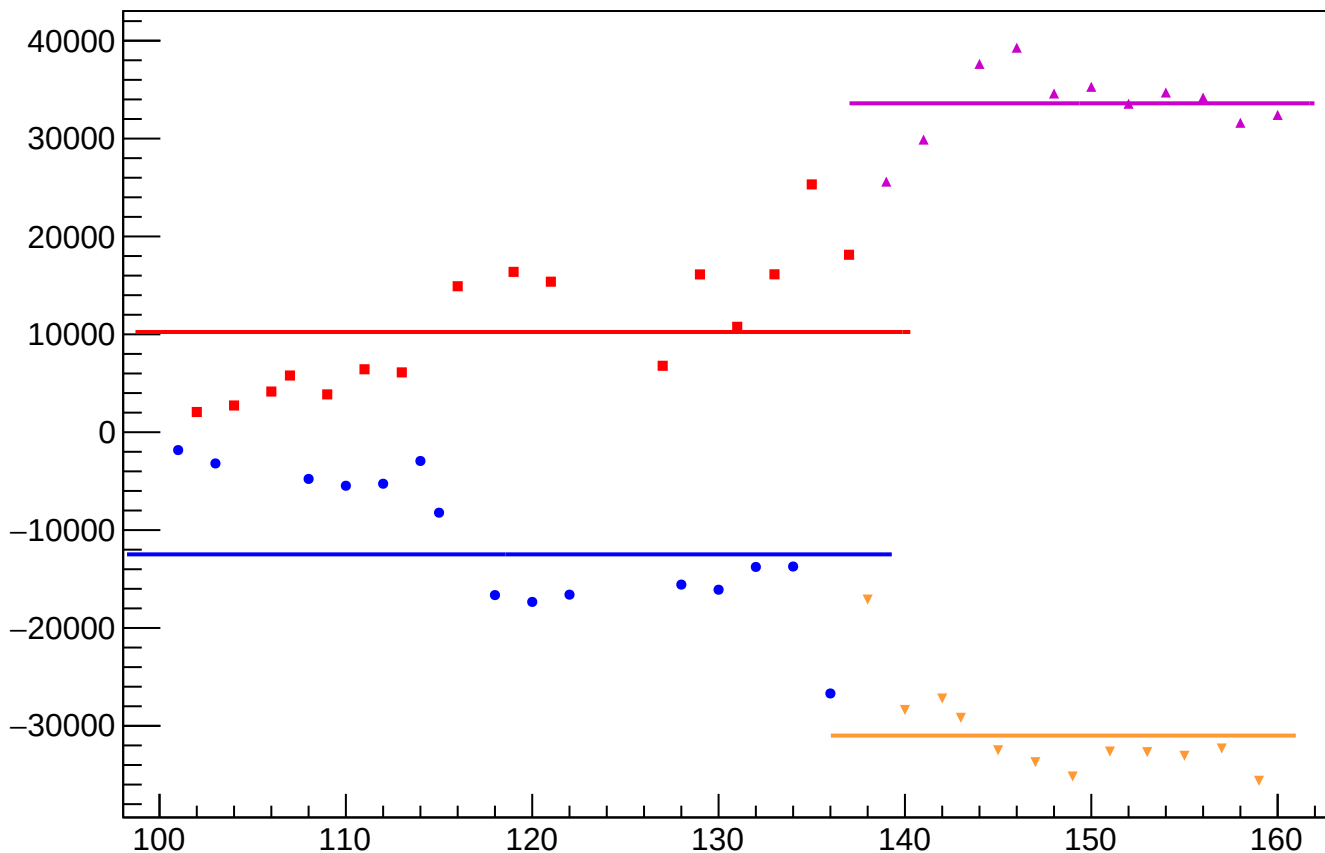
Right In: 196.955 $\pm$ 0.000 χ^2 /NDF: 4485245160329657914621372425838788608.0/14
 Left Out: 299.172 $\pm$ 0.000 χ^2 /NDF: 3880381264543200500455029030889979904.0/11
 Right Out: -169.778 $\pm$ 0.000 χ^2 /NDF: 3892609445494845784493558646385410048.0/15
 Left In: -313.228 $\pm$ 0.000 χ^2 /NDF: 3079061701843560714774529768142405632.0/10
 All: -0.158 $\pm$ 0.000 χ^2 /NDF: 2324687207853

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



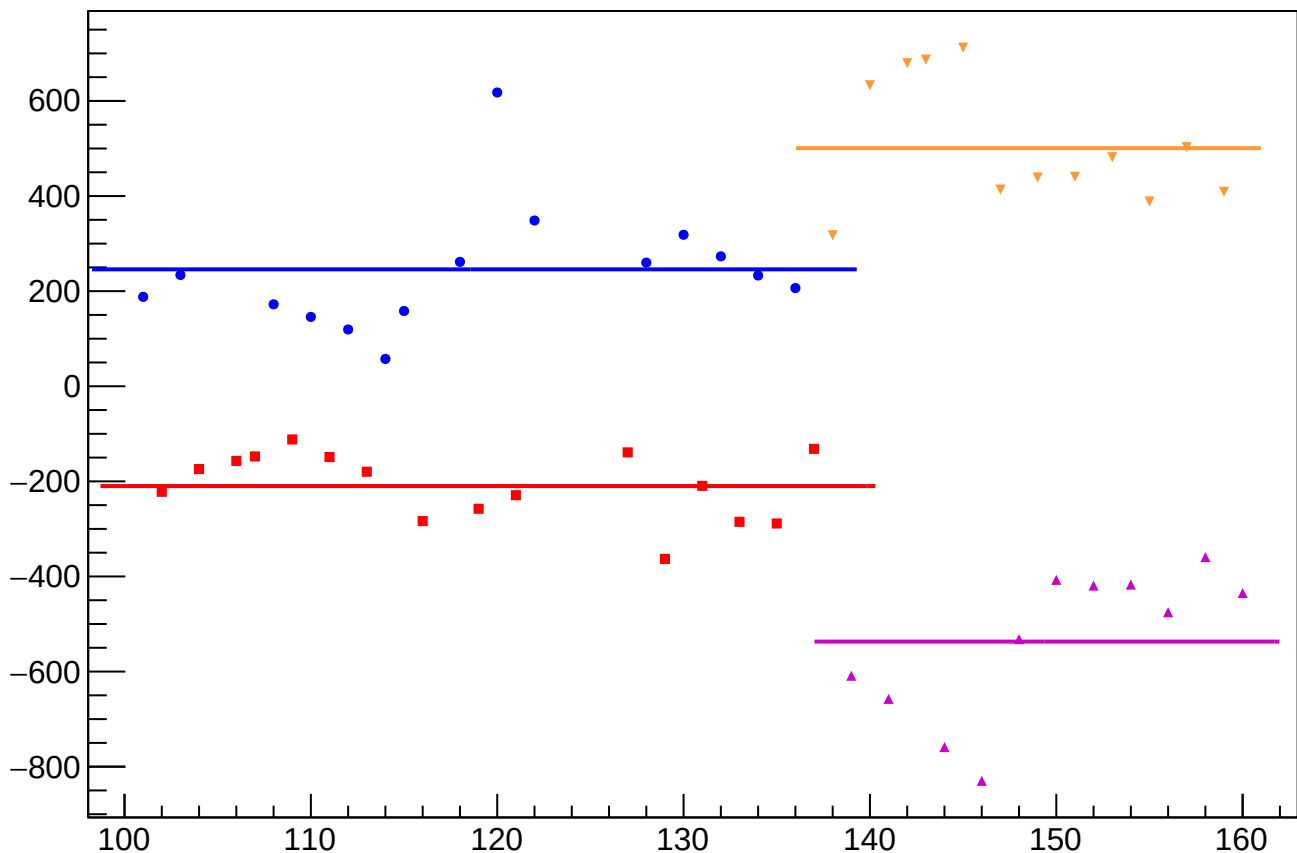
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam6_coil1_mean vs Slug, Sign Corrected



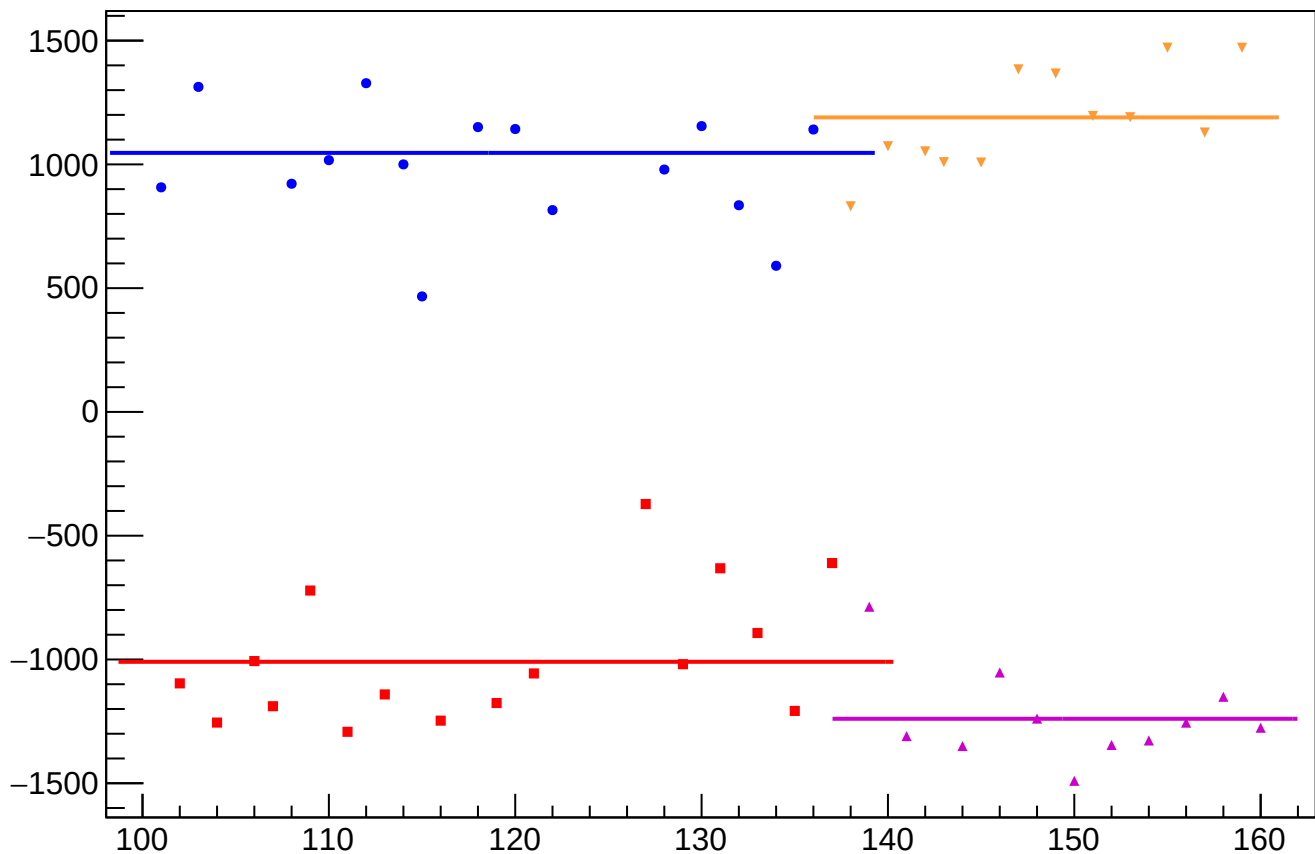
Right In: -12479.653+/-0.000 χ^2/NDF : 41178633231253805317353333973475271901184.0/14
 Left Out: -30994.631+/-0.000 χ^2/NDF : 21360802405540775794048943647973709971456.0/11
 Right Out: 10238.098+/-0.000 χ^2/NDF : 31227861126159534031961501923223718068224.0/15
 Left In: 33603.125+/-0.000 χ^2/NDF : 11377877741280377988076632069746943066112.0/10
 All: 429.752+/-0.000 χ^2/NDF : 219983742994

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



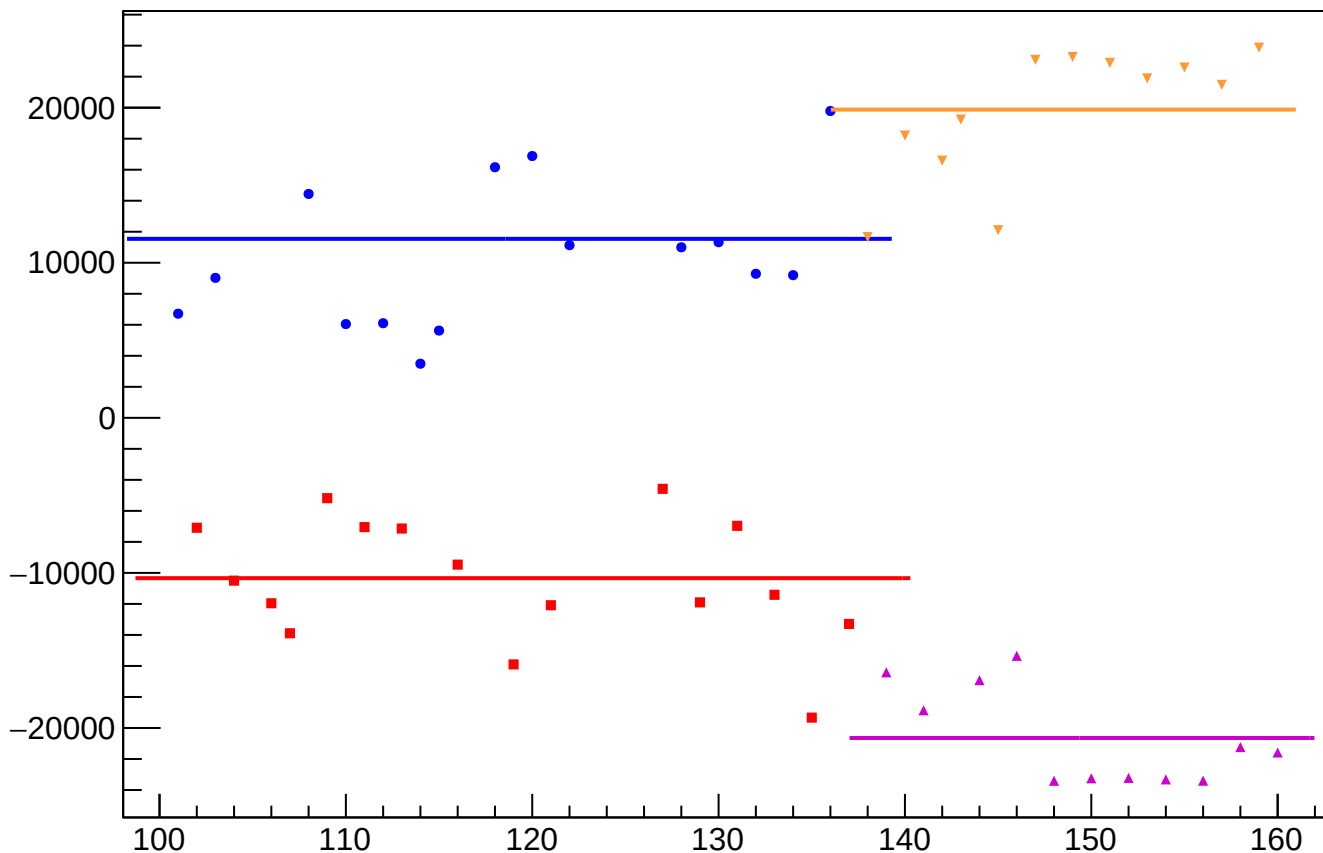
Right In: 245.832+/-0.000	χ^2/NDF : 7828269009300013139414476154059358208.0/14	Left: -20.099+/-0.000	χ^2/NDF : 5307663068333209
Left Out: 500.722+/-0.000	χ^2/NDF : 14366647854030986801089252354911371264.0/11	Right: 14.878+/-0.000	χ^2/NDF : 7925780675793006
Right Out: -209.844+/-0.000	χ^2/NDF : 3128489258838765241921217786024034304.0/15	In: -213.998+/-0.000	χ^2/NDF : 2622447157397891
Left In: -536.975+/-0.000	χ^2/NDF : 20803022486400810956958367719555596288.0/10	Out: 201.513+/-0.000	χ^2/NDF : 2124563365835666
	All: -5.519+/-0.000		χ^2/NDF : 6109629963299

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



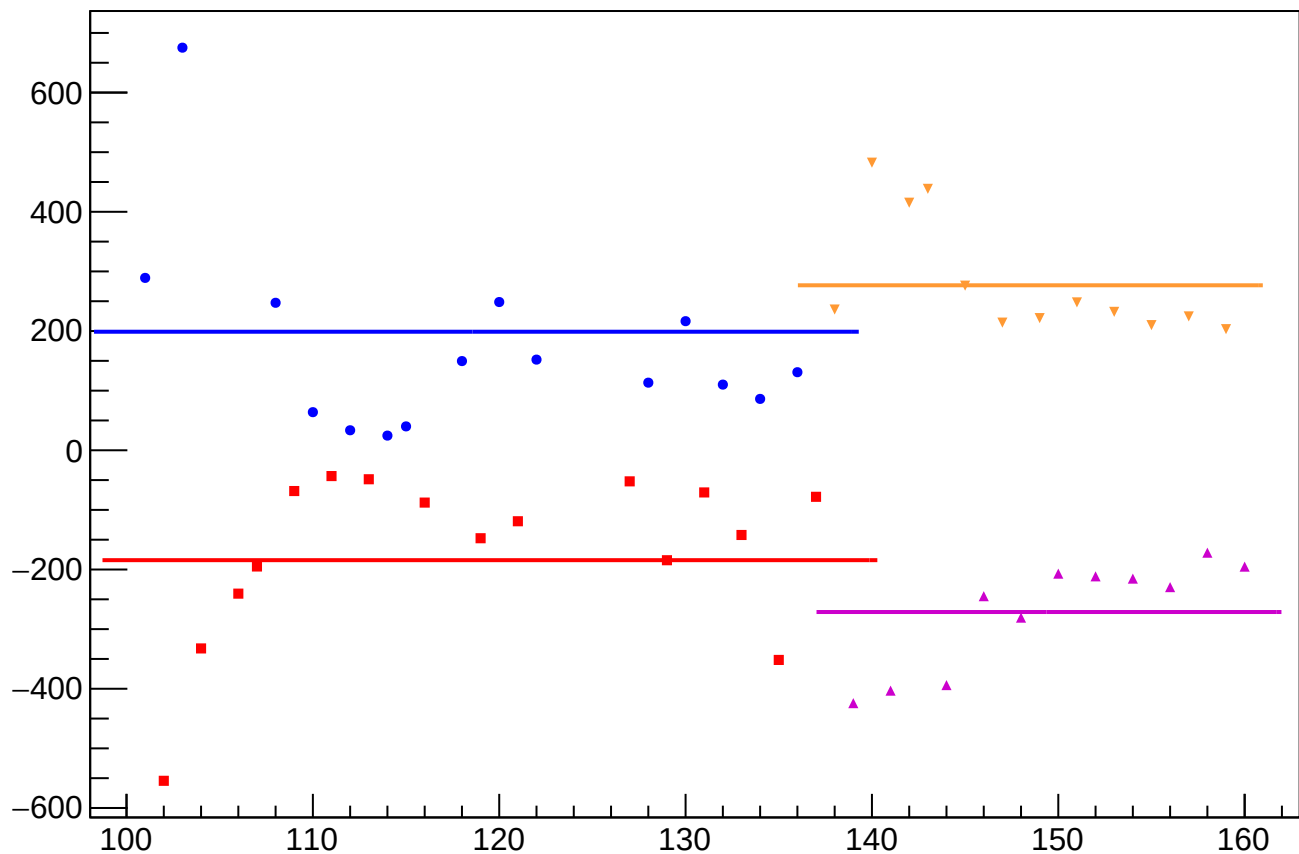
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11542.759+/-0.000 χ^2/NDF : 14233543123238566357226766219014687424512.0/14
 Left Out: 19875.162+/-0.000 χ^2/NDF : 15802196643449462198483400956357455642624.0/11
 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: -81.183+/-0.000 χ^2/NDF : 963586580274

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



Right In: 198.850+/-0.000

χ^2/NDF : 18333995109503438037075916944440295424.0/14

Left Out: 276.729+/-0.000

χ^2/NDF : 8031577970080371618596427688692416512.0/11

Right Out: -184.328+/-0.000

χ^2/NDF : 14927434931395588601024961538372403200.0/15

Left In: -271.291+/-0.000

χ^2/NDF : 7112445981030520145066814103974051840.0/10

Left: 1.677+/-0.000 χ^2/NDF : 153367267595922872

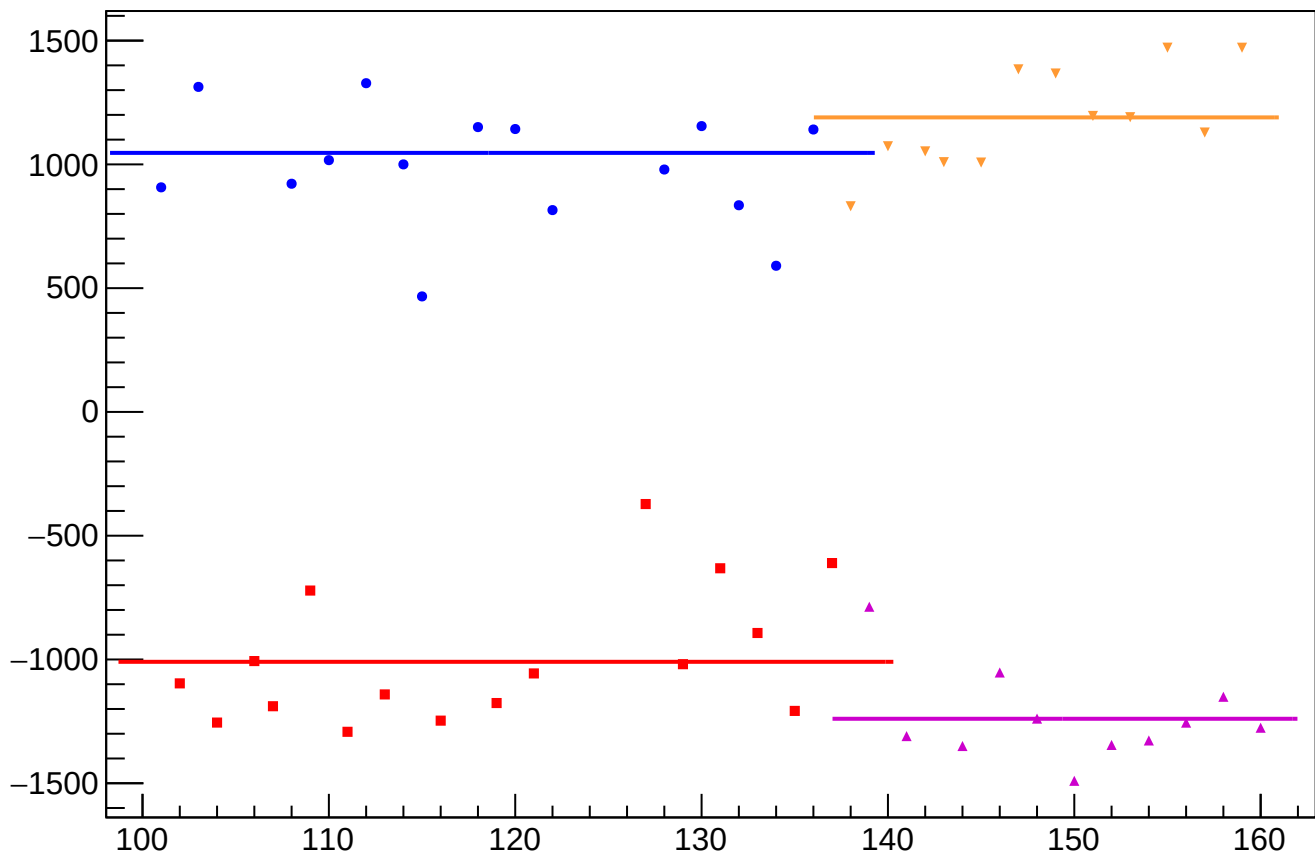
Right: 4.640+/-0.000 χ^2/NDF : 81558141576342570

In: -77.317+/-0.000 χ^2/NDF : 10971103033492192

Out: 82.584+/-0.000 χ^2/NDF : 10504153197861264

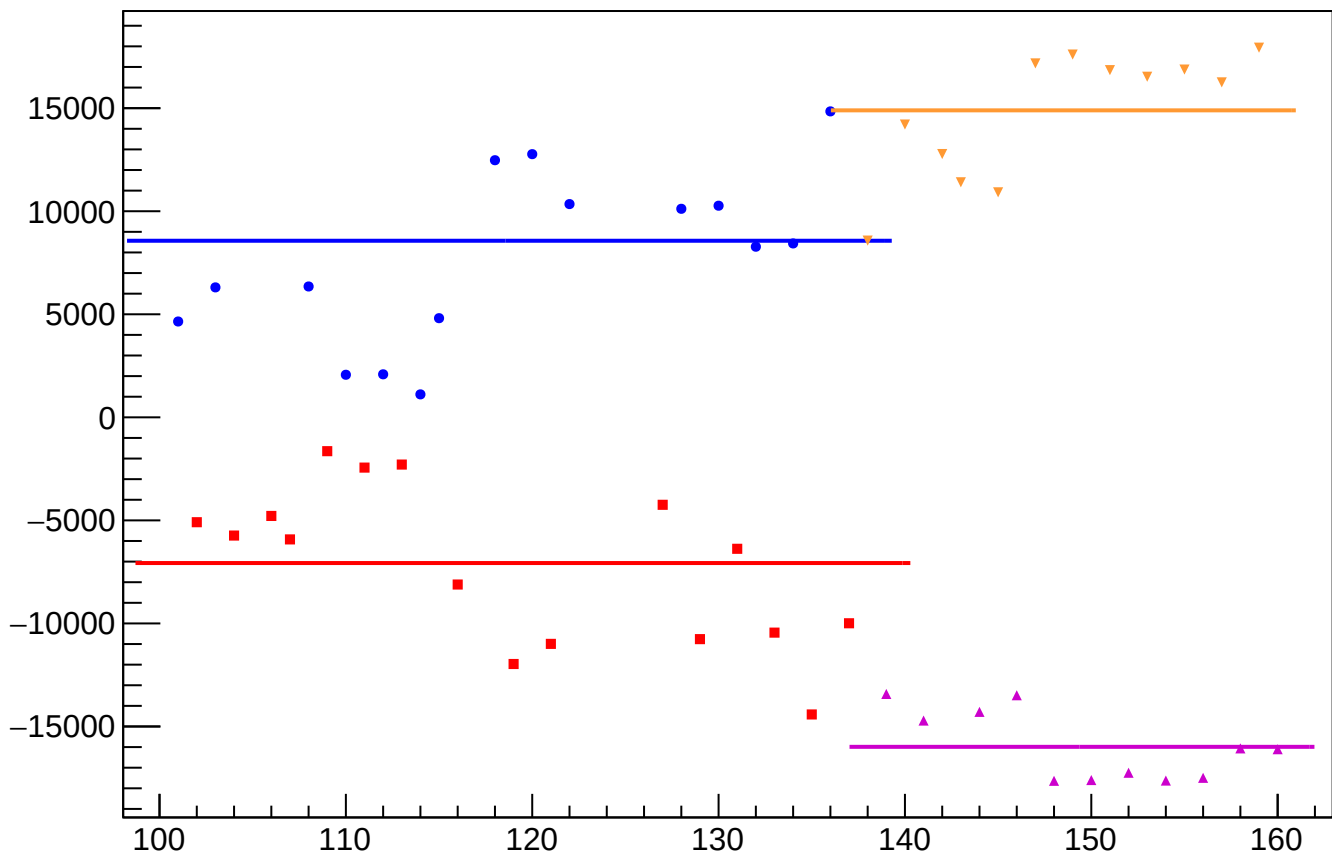
All: 2.912+/-0.000 χ^2/NDF : 23493214759082

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



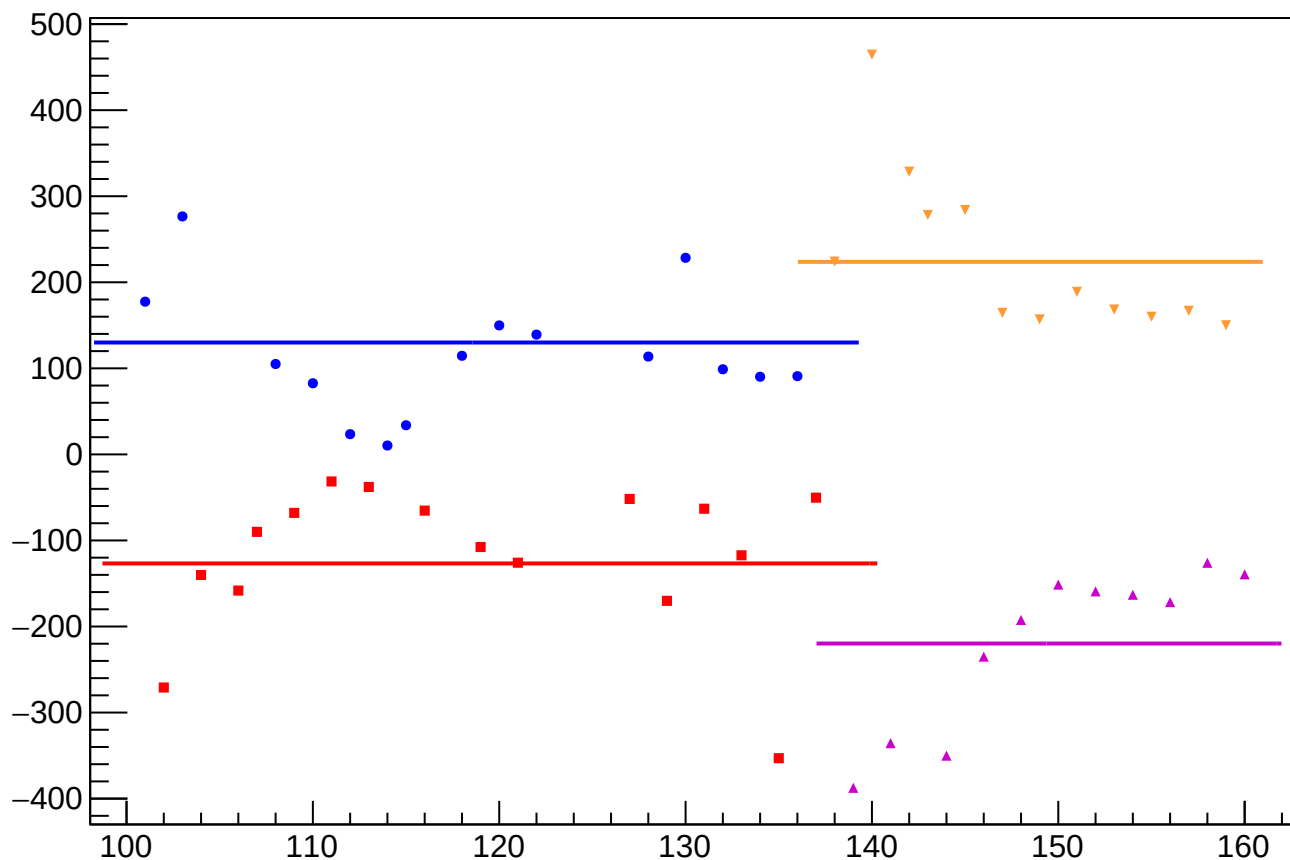
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam8_coil1_mean vs Slug, Sign Corrected



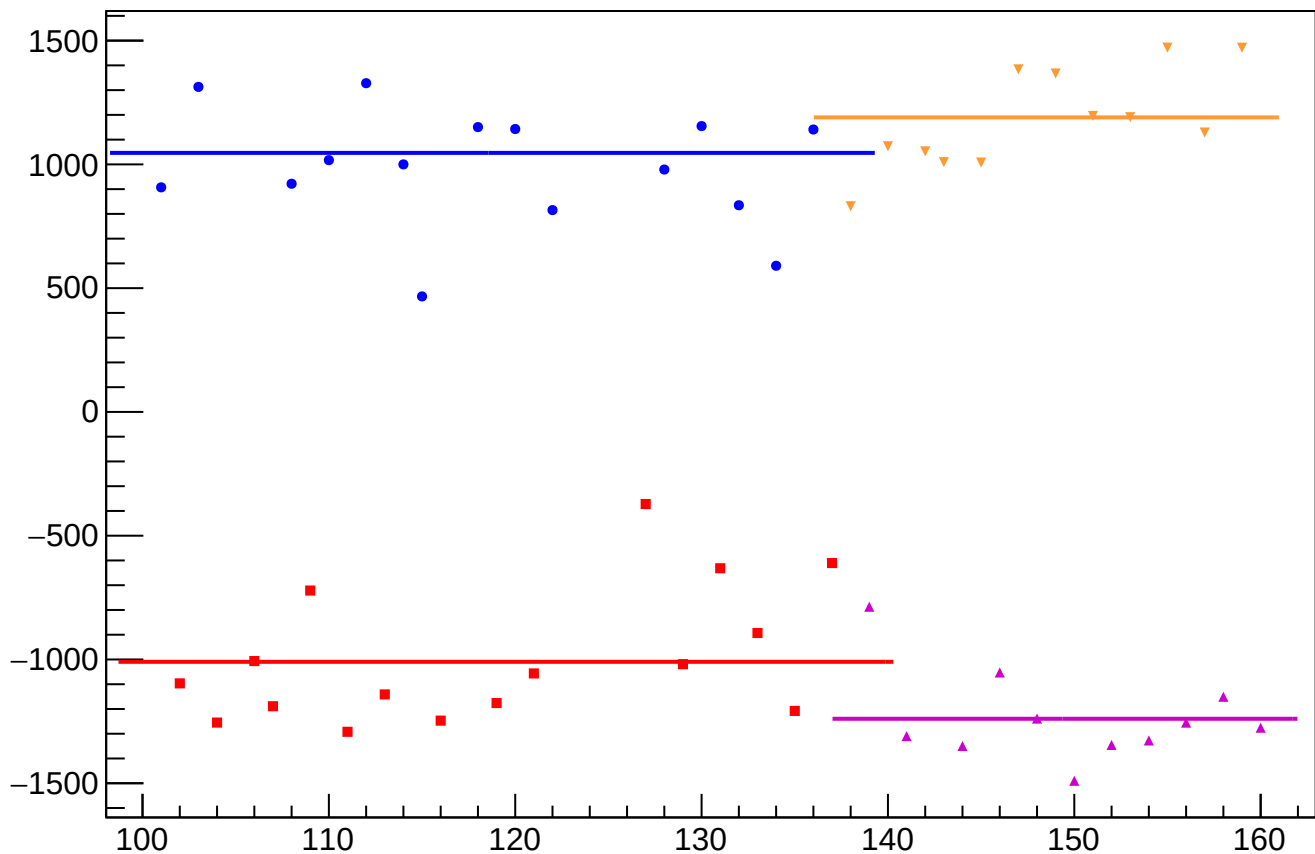
Right In: 8567.784 $\pm$ 0.000 χ^2 /NDF: 11106048878972501366429055679645708451840.0/14
 Left Out: 14894.671 $\pm$ 0.000 χ^2 /NDF: 8196994251162162548782617513195066097664.0/11
 Right Out: -7069.884 $\pm$ 0.000 χ^2 /NDF: 10076862363502652111378210539664387866624.0/15
 Left In: -15987.436 $\pm$ 0.000 χ^2 /NDF: 2470393428254815728629083332629999124480.0/10
 All: -85.239 $\pm$ 0.000 χ^2 /NDF: 552417535808

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



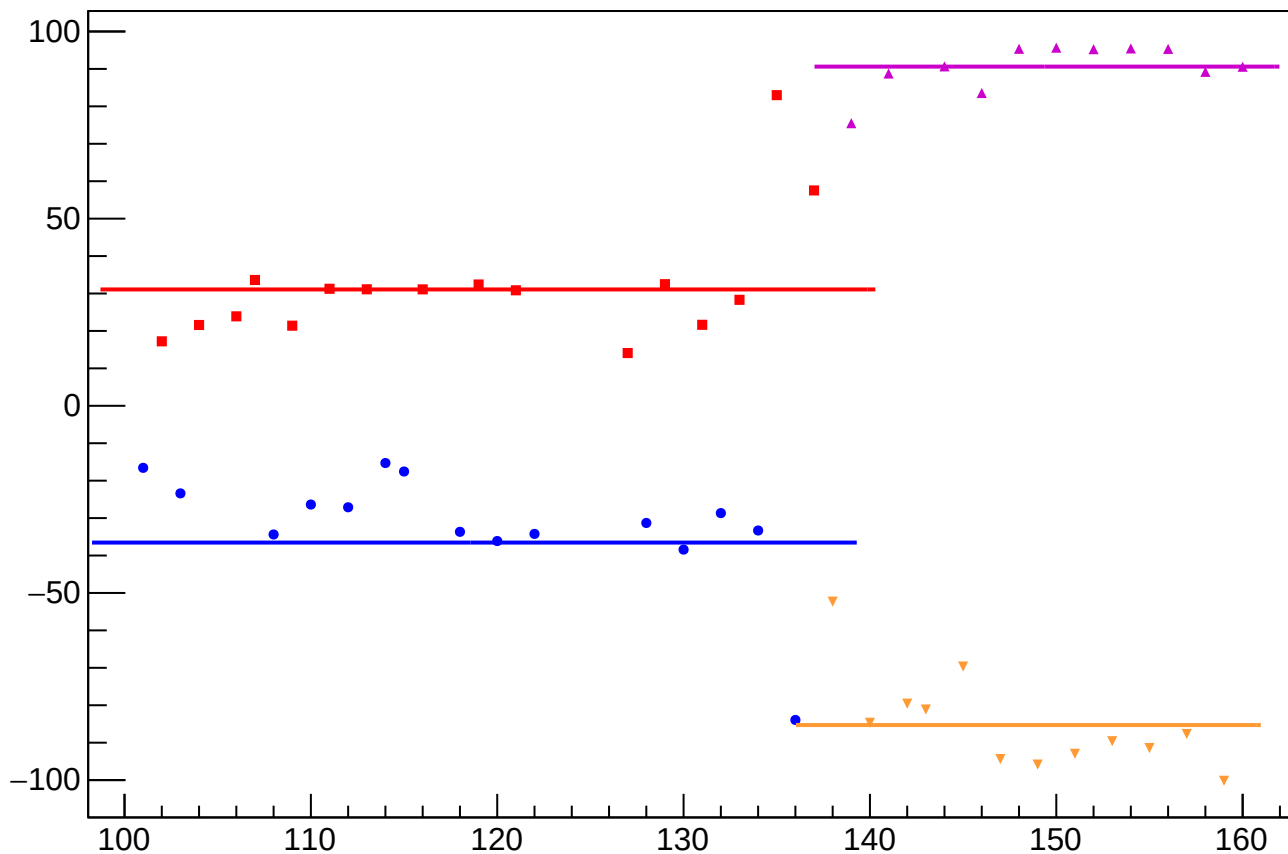
Left: 1.125 ± 0.000 $\chi^2/\text{NDF}: 10571894035533403$
 Right In: 130.021 ± 0.000 $\chi^2/\text{NDF}: 3115259987552341725946418665378283520.0/14$
 Left Out: 223.724 ± 0.000 $\chi^2/\text{NDF}: 7769866101258790132911352573971136512.0/11$
 Right Out: -126.709 ± 0.000 $\chi^2/\text{NDF}: 5397122581297664561308621600668516352.0/15$
 Left In: -219.787 ± 0.000 $\chi^2/\text{NDF}: 7418609629454172879787970620999860224.0/10$
 All: 0.615 ± 0.000 $\chi^2/\text{NDF}: 13591277420153$

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 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: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540+/-0.000

Left Out: -85.291+/-0.000

Right Out: 31.085+/-0.000

Left In: 90.618+/-0.000

χ^2/NDF : 254351867861444609202637633864335360.0/14

χ^2/NDF : 150335186575692047525398073172819968.0/11

χ^2/NDF : 181291079119381636178408498876383232.0/15

χ^2/NDF : 33089833083626408117297955498622976.0/10

Left: 2.998+/-0.000 χ^2/NDF : 144250947022292483

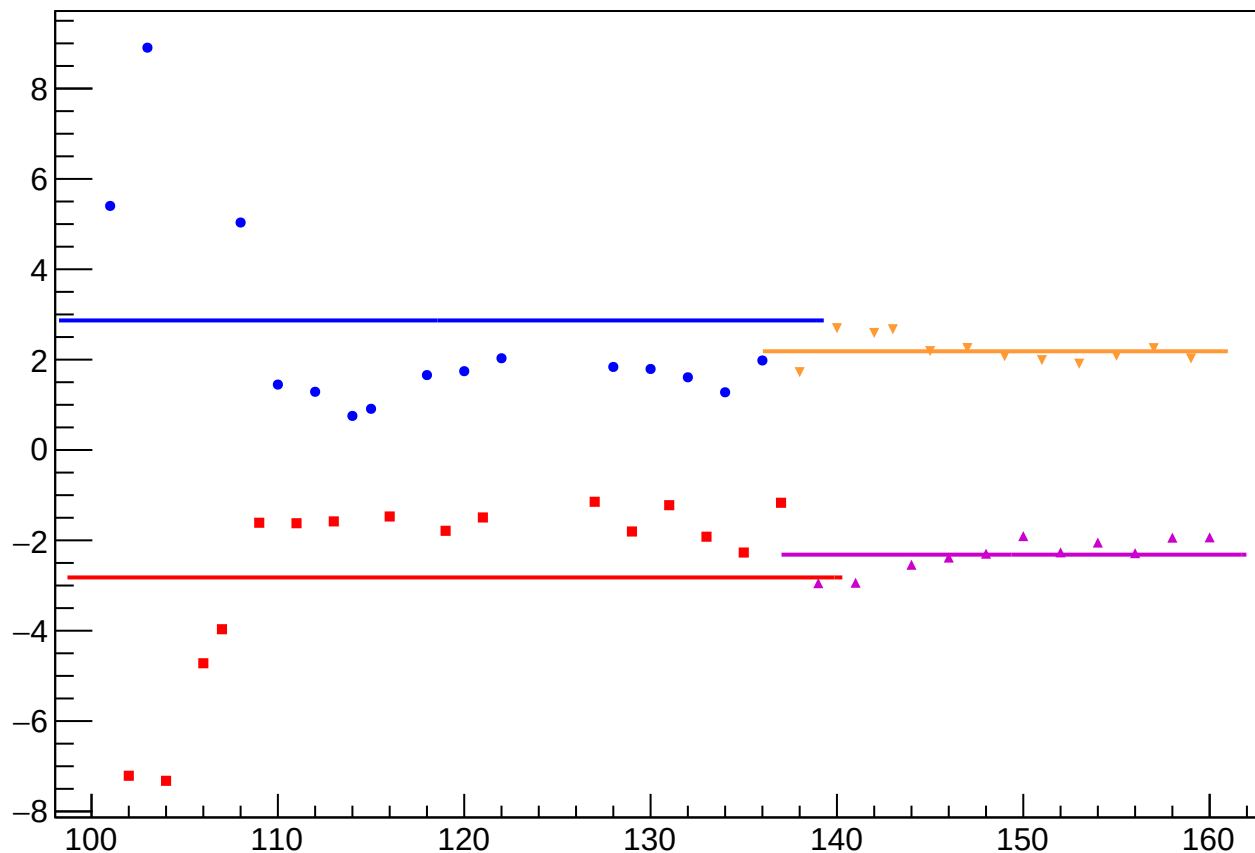
Right: -2.265+/-0.000 χ^2/NDF : 1939933040270060

In: 38.154+/-0.000 χ^2/NDF : 645160855456739365

Out: -36.286+/-0.000 χ^2/NDF : 5561186086442477

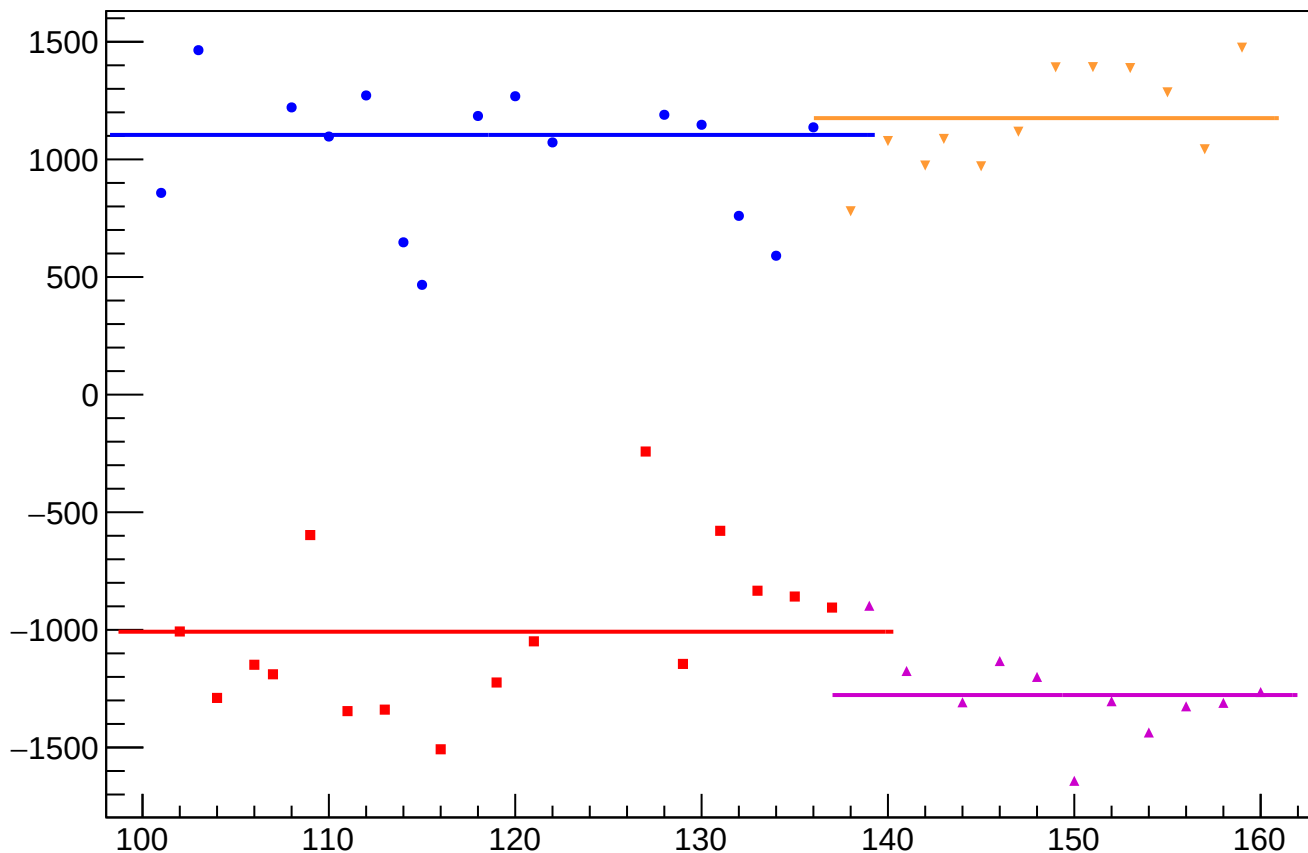
All: 0.804+/-0.000 χ^2/NDF : 16386284657784

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



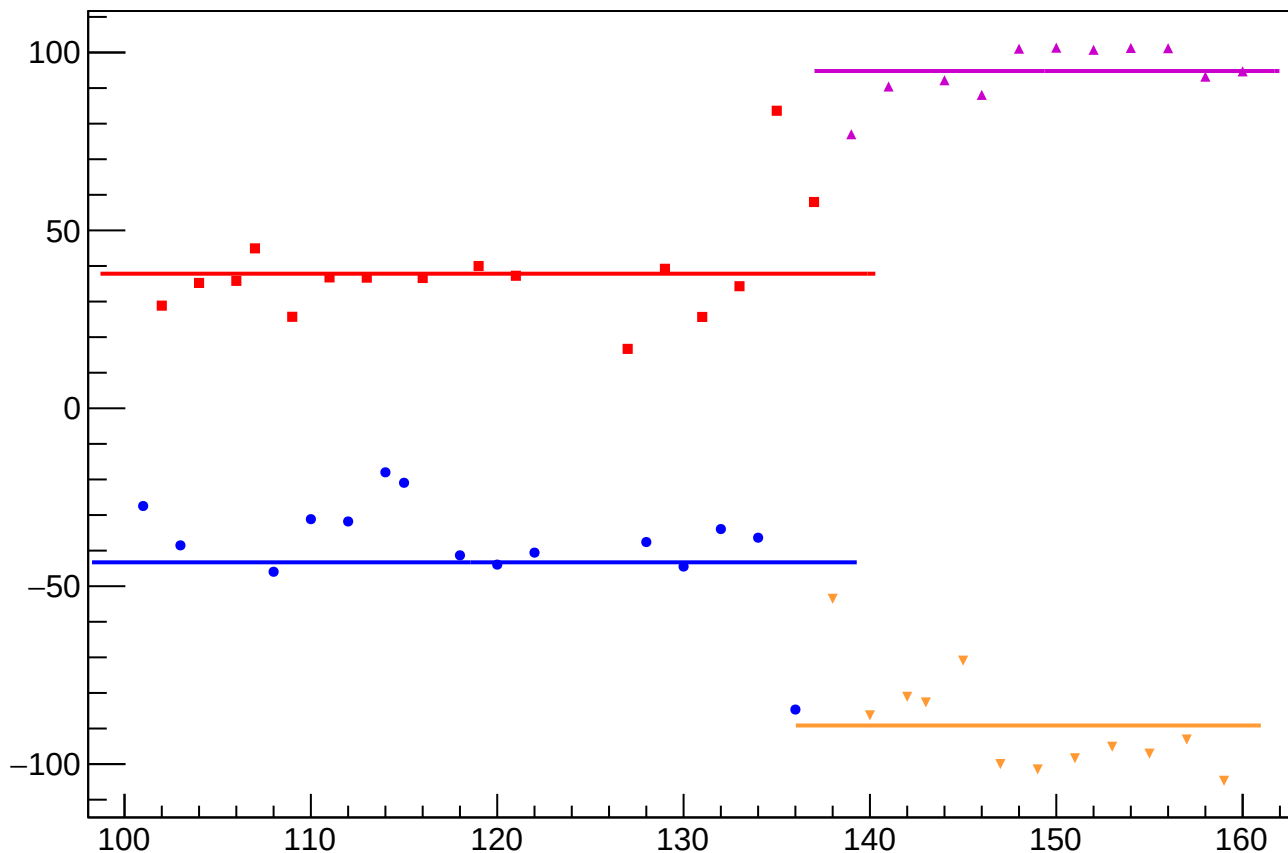
Right In: 2.867 +/- 0.000 χ^2/NDF : 3455499087584693564208174061322240.0/14
 Left Out: 2.185 +/- 0.000 χ^2/NDF : 75501266637773006003816821161984.0/11
 Right Out: -2.821 +/- 0.000 χ^2/NDF : 3052948718107902490497172912472064.0/15
 Left In: -2.317 +/- 0.000 χ^2/NDF : 114372564725079889099013285216256.0/10
 All: -0.050 +/- 0.000 χ^2/NDF : 2667065323258

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 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: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -43.289+/-0.000

Left Out: -89.146+/-0.000

Right Out: 37.832+/-0.000

Left In: 94.799+/-0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

χ^2/NDF : 189364483855471766611288200184856576.0/11

χ^2/NDF : 148683933977204936634636843897323520.0/15

χ^2/NDF : 49077050032611006982156968074936320.0/10

Left: 3.176+/-0.000 χ^2/NDF : 158111837219189498

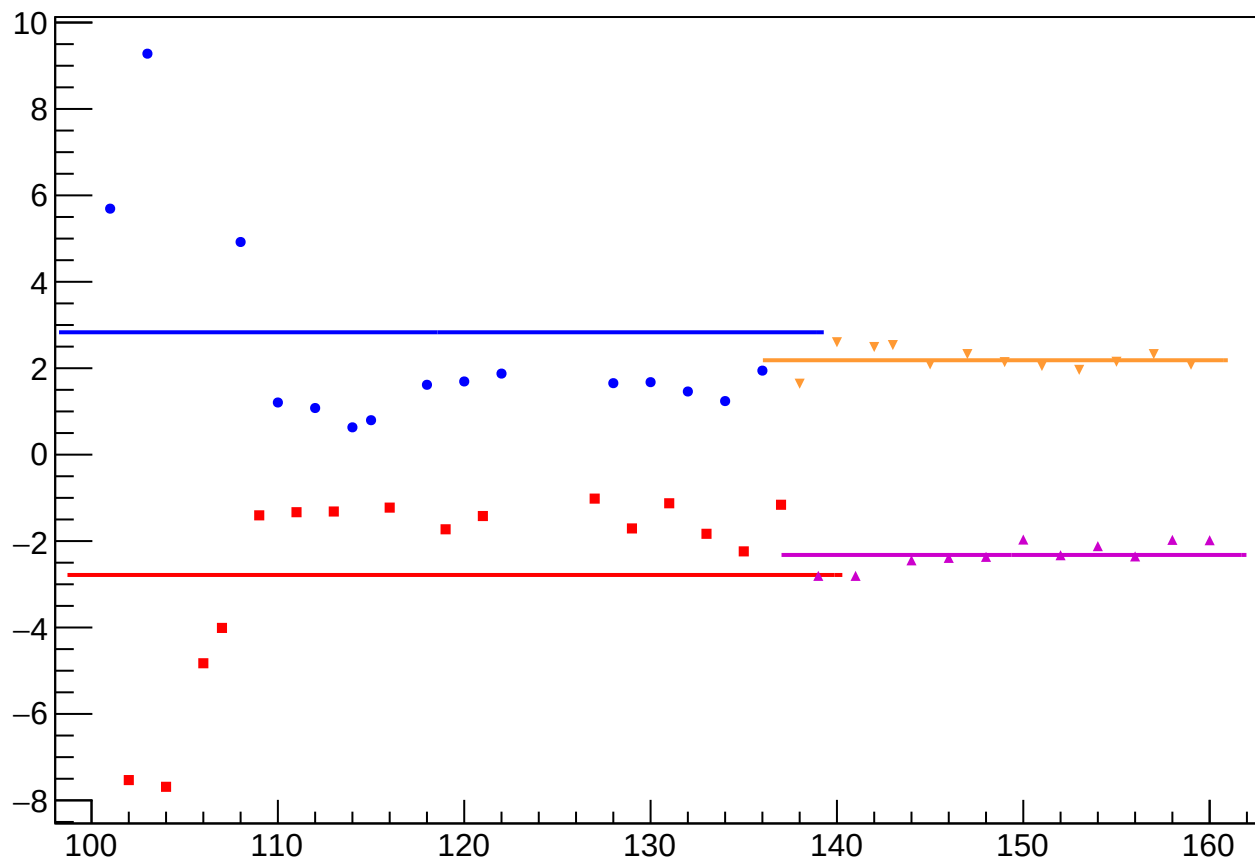
Right: -2.174+/-0.000 χ^2/NDF : 2512687101518028

In: 37.826+/-0.000 χ^2/NDF : 751790372998047563

Out: -35.677+/-0.000 χ^2/NDF : 6563927039215261

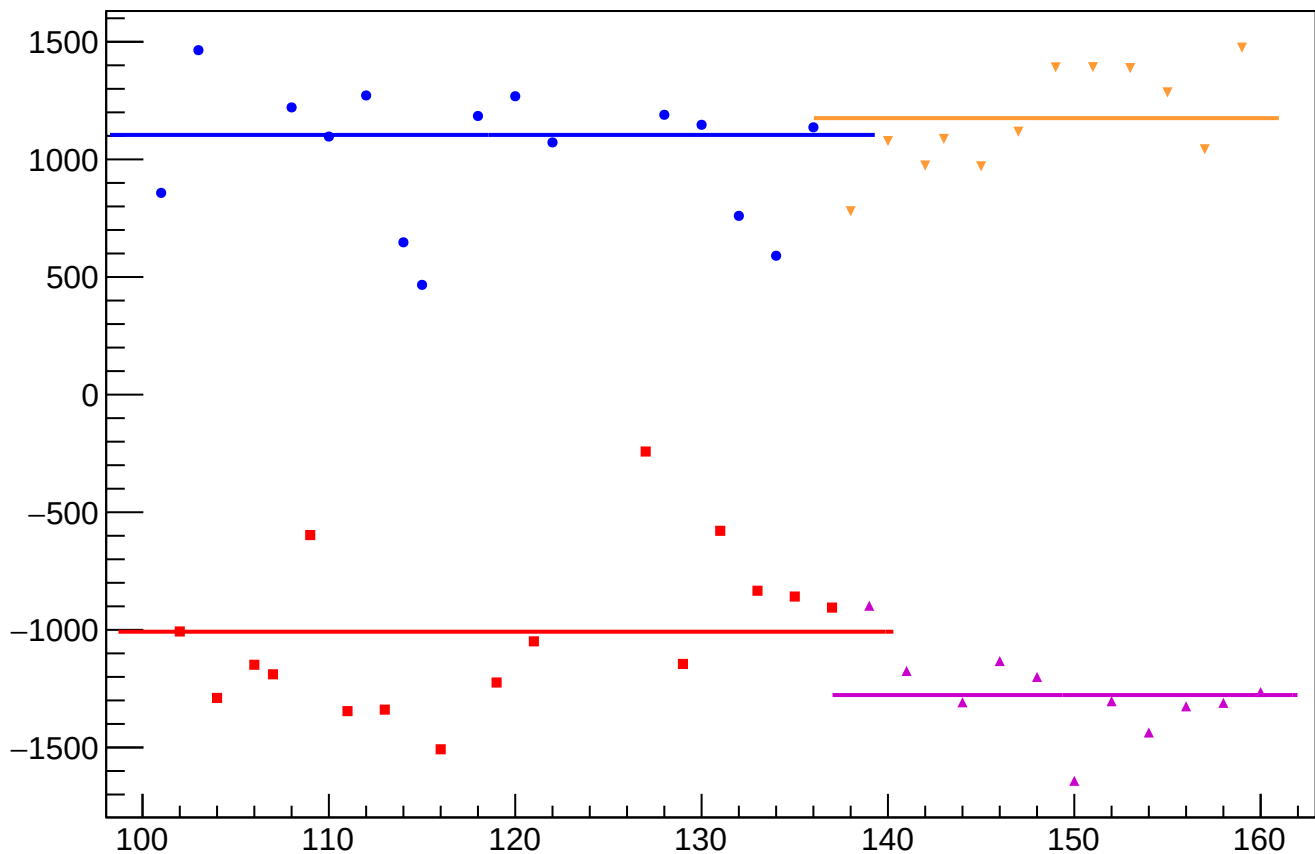
All: 0.946+/-0.000 χ^2/NDF : 18345835995253

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



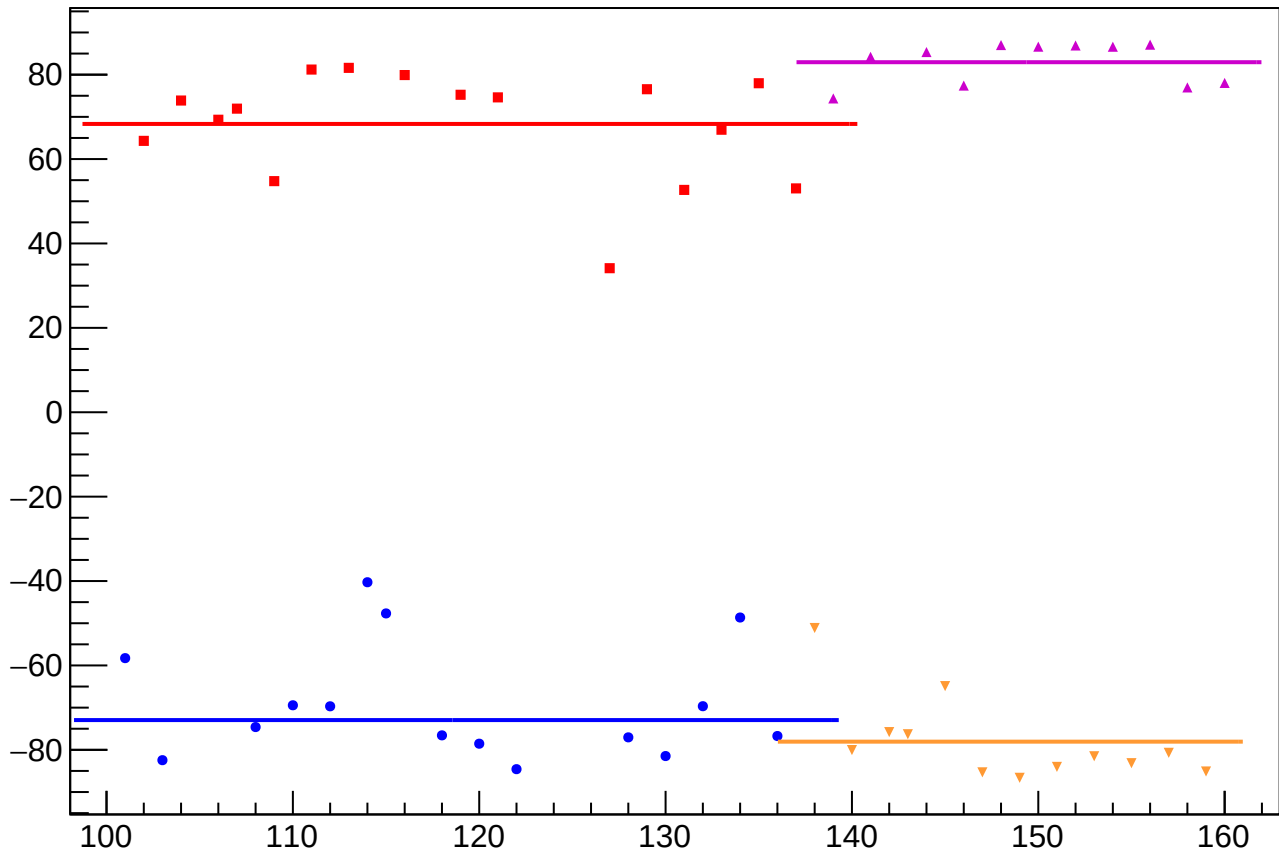
Right In: 2.832 ± 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.185 ± 0.000 χ^2/NDF : 60382547029004782914122064855040.0/11
 Right Out: -2.784 ± 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.321 ± 0.000 χ^2/NDF : 74619123224616324544404505231360.0/10
 All: -0.051 ± 0.000 χ^2/NDF : 2740200778569

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.473+/-0.000	χ^2/NDF : 2837966684325657
Left Out: 1175.478+/-0.000	χ^2/NDF : 39966991584790626200337106489810354176.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.086+/-0.000	χ^2/NDF : 1949816522076708
	All: -18.318+/-0.000	χ^2/NDF : 441314646270	

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949+/-0.000

Left Out: -78.060+/-0.000

Right Out: 68.324+/-0.000

Left In: 82.954+/-0.000

χ^2/NDF : 65755428464857980306879126291087360.0/14

χ^2/NDF : 92076989783561024991215559553056768.0/11

χ^2/NDF : 106694344898202364483367131372584960.0/15

χ^2/NDF : 20419157774877297849205303170564096.0/10

Left: 2.753+/-0.000 χ^2/NDF : 120446033941350185

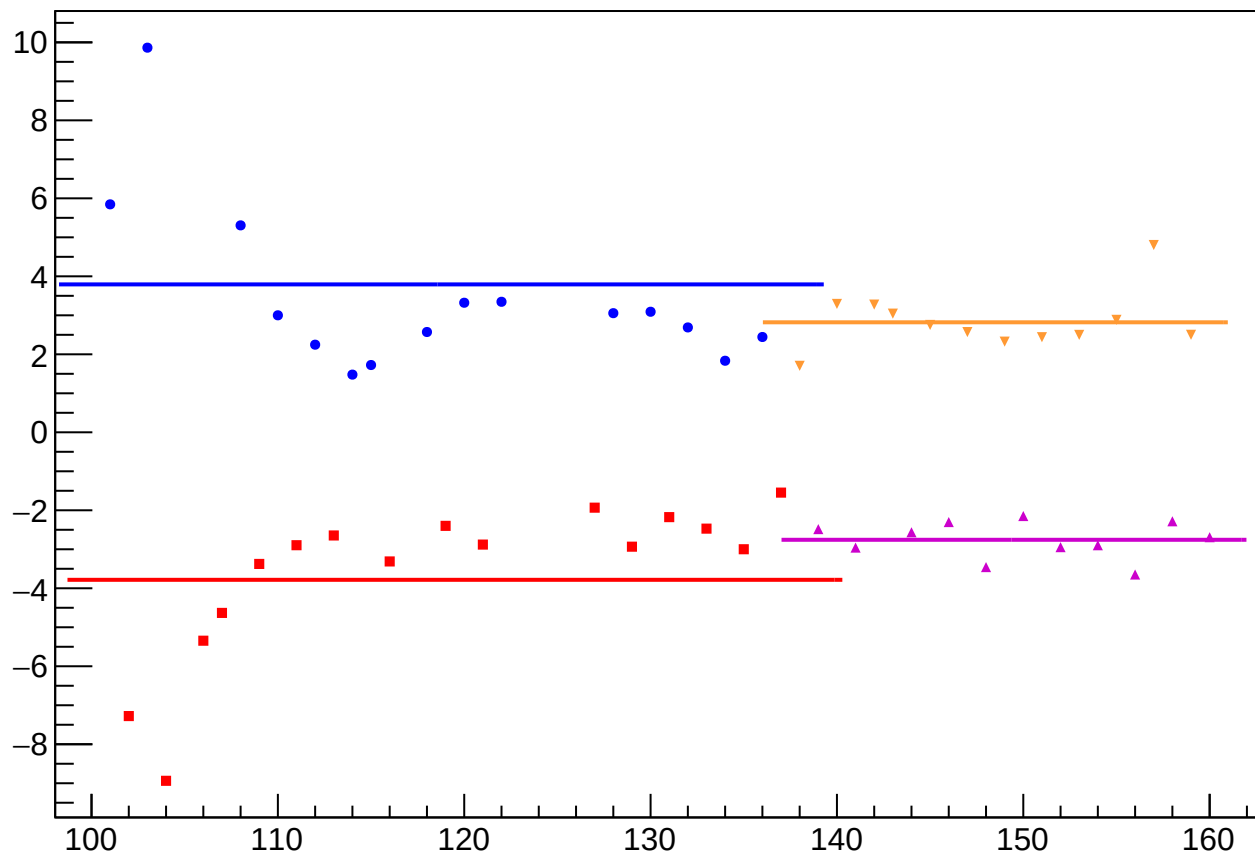
Right: -1.347+/-0.000 χ^2/NDF : 6737392391922205

In: 18.630+/-0.000 χ^2/NDF : 935227547229560147

Out: -16.420+/-0.000 χ^2/NDF : 8473003169479840

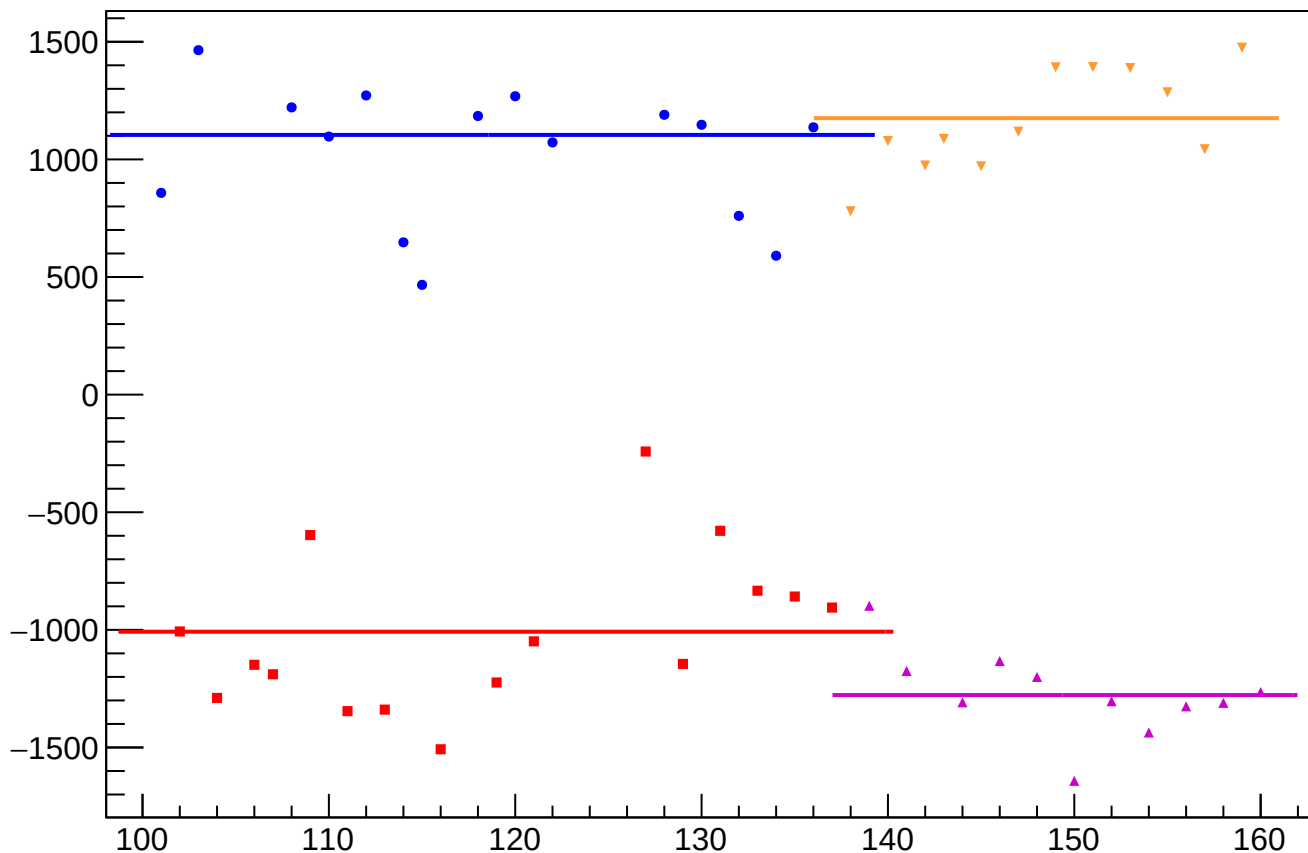
All: 1.044+/-0.000 χ^2/NDF : 18794892606633

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.793 $\pm$ 0.000 χ^2 /NDF: 3205389242726129619796290810413056.0/14
 Left Out: 2.821 $\pm$ 0.000 χ^2 /NDF: 493082555580785627275797679046656.0/11
 Right Out: -3.783 $\pm$ 0.000 χ^2 /NDF: 2878586622192676654452338755371008.0/15
 Left In: -2.757 $\pm$ 0.000 χ^2 /NDF: 191720746547732306226054042746880.0/10
 All: -0.007 $\pm$ 0.000 χ^2 /NDF: 3996925901016

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

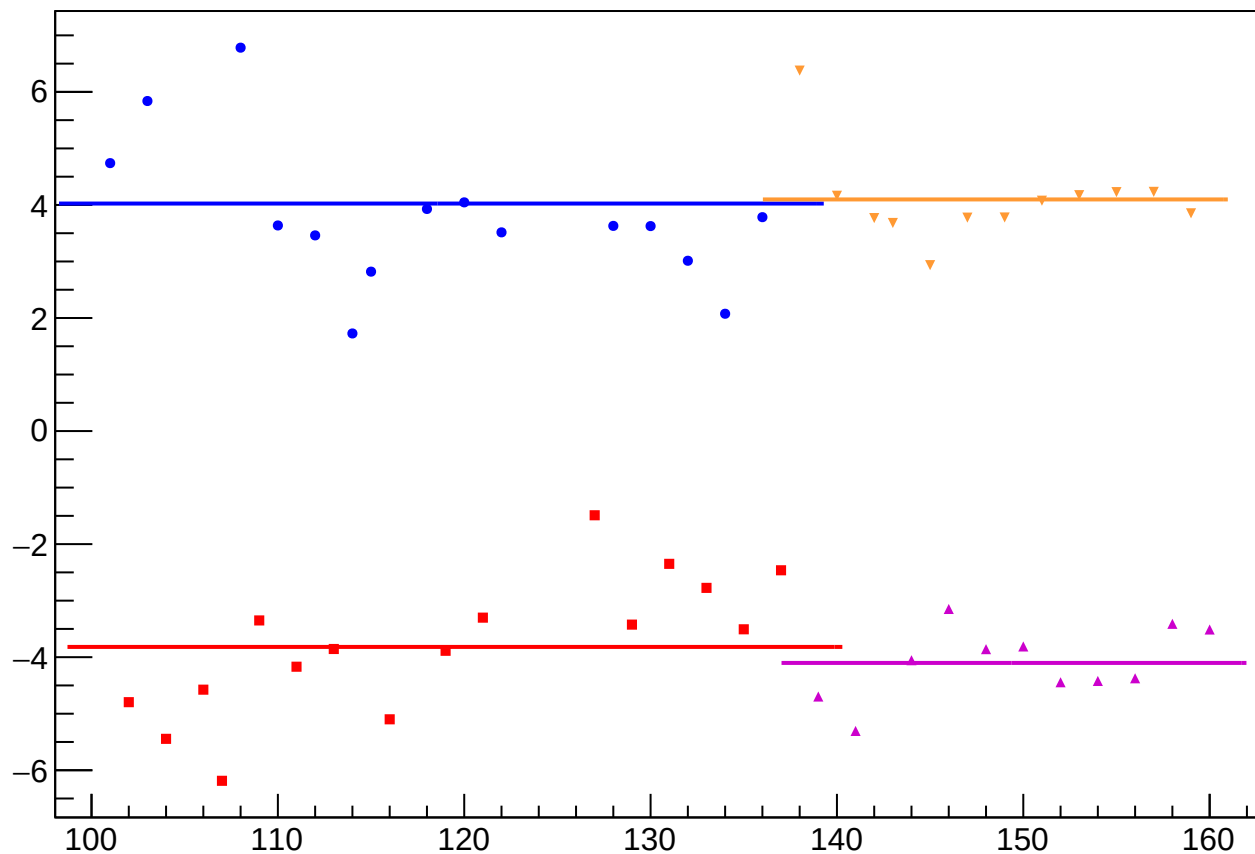
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

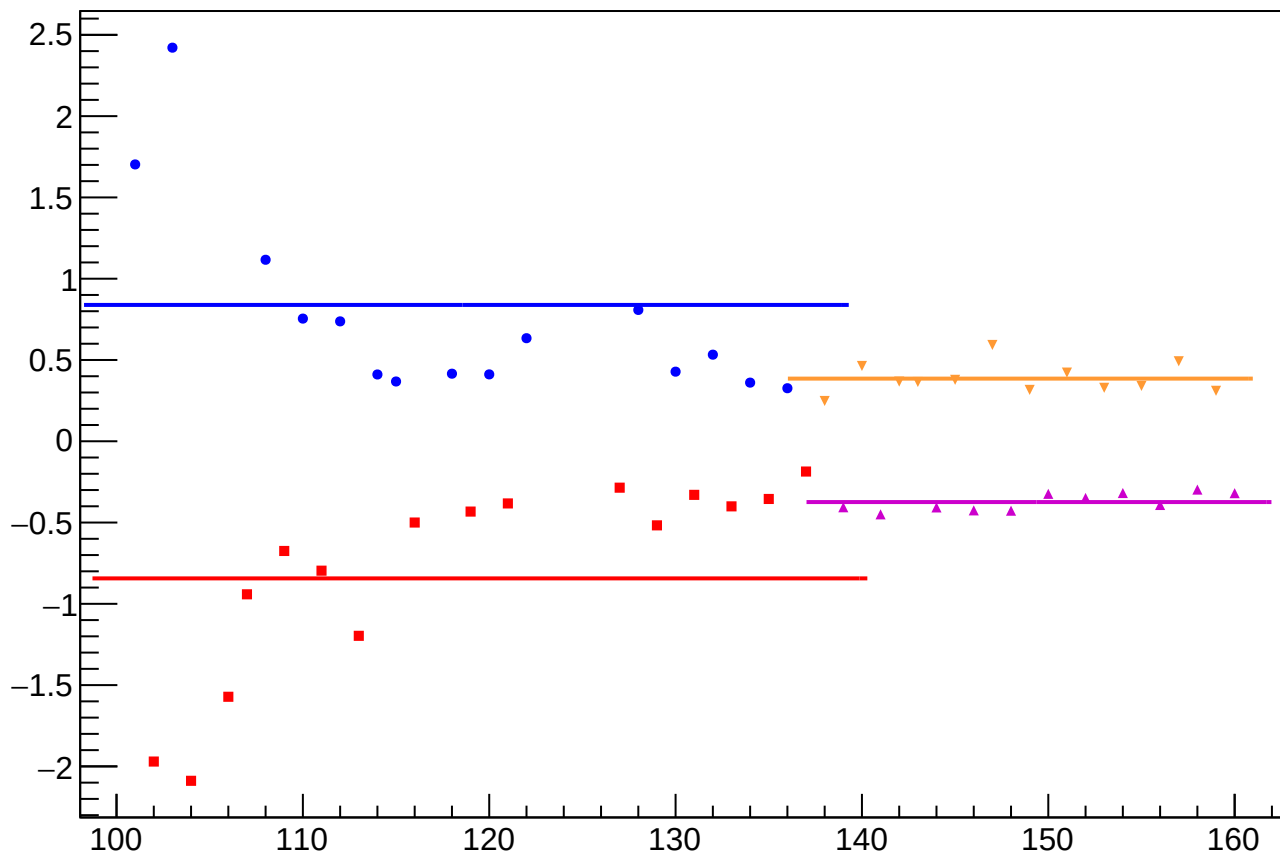
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025+/-0.000	χ^2/NDF : 769001650442321928129473832550400.0/14	Left: -0.018+/-0.000	χ^2/NDF : 31826775852587250
Left Out: 4.098+/-0.000	χ^2/NDF : 556317927026663328650590815256576.0/11	Right: 0.050+/-0.000	χ^2/NDF : 21892754887879739
Right Out: -3.819+/-0.000	χ^2/NDF : 888232240226434329114859171479552.0/15	In: -0.749+/-0.000	χ^2/NDF : 262752943933562033
Left In: -4.102+/-0.000	χ^2/NDF : 329978343606173709019066465779712.0/10	Out: 0.764+/-0.000	χ^2/NDF : 256410767255121340
		All: 0.010+/-0.000	χ^2/NDF : 53722994028363

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839+/-0.000

χ^2/NDF : 258416025334615661521163083841536.0/14

Left Out: 0.385+/-0.000

χ^2/NDF : 7658632015844553503510259302400.0/11

Right Out: -0.844+/-0.000

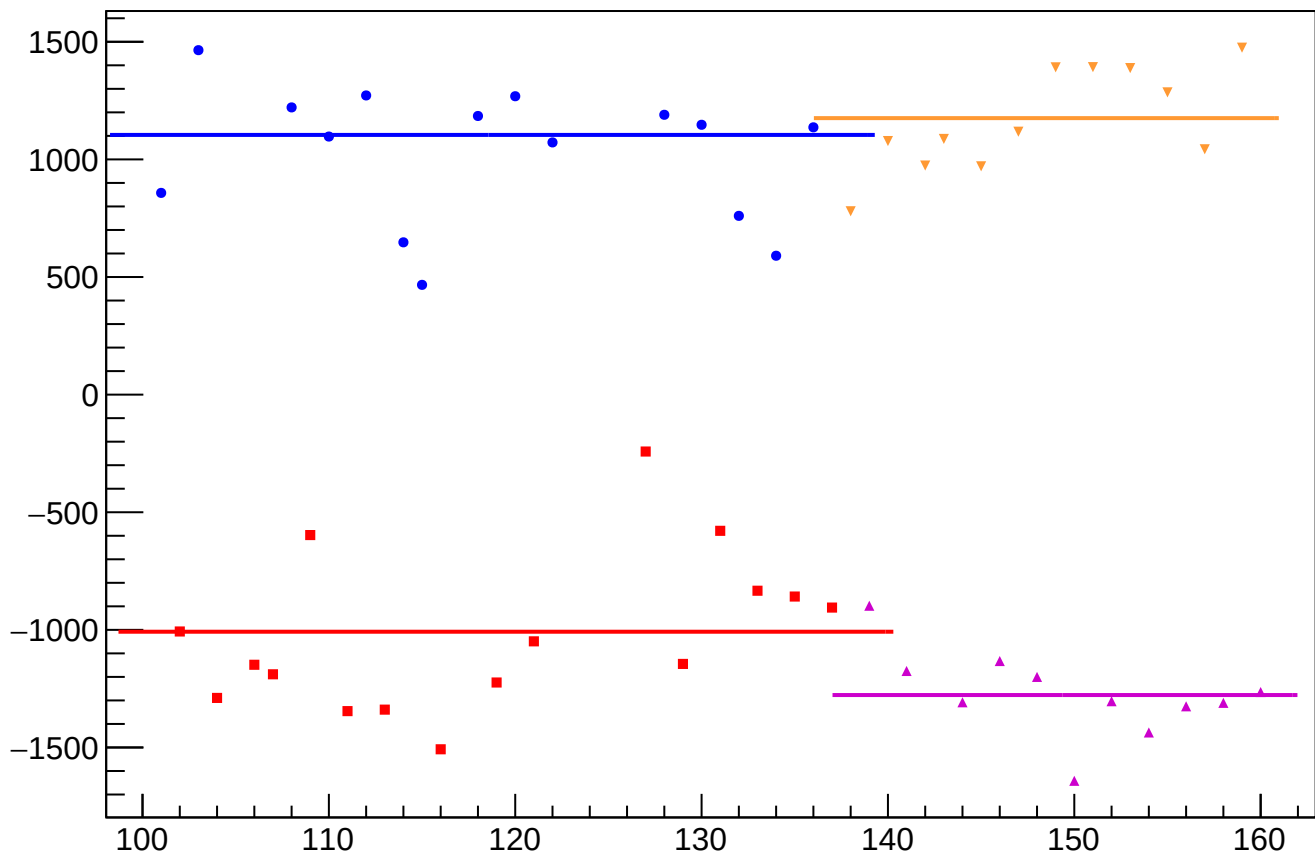
χ^2/NDF : 252917509393432760240648918925312.0/15

Left In: -0.374+/-0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

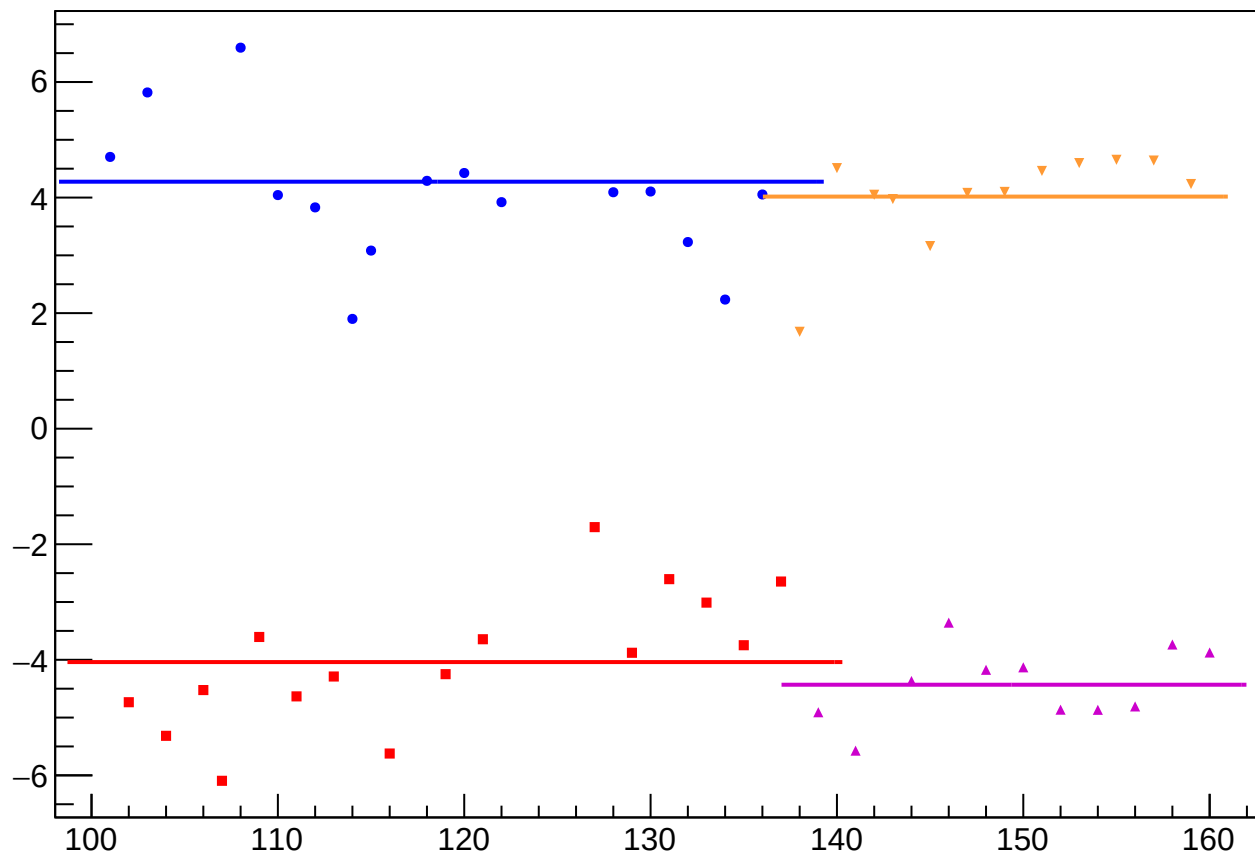
All: -0.003+/-0.000 χ^2/NDF : 1717963471846

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



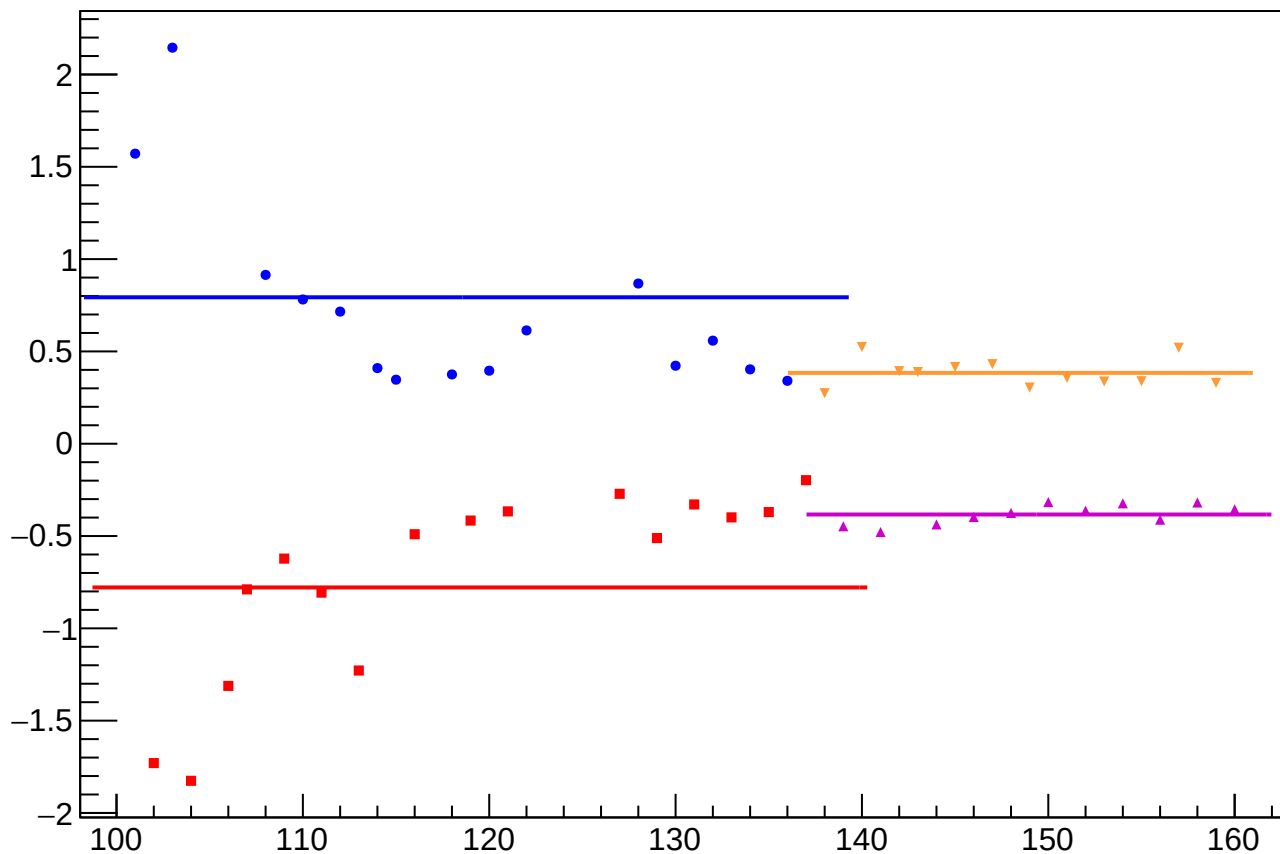
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_4eY_coil3_mean vs Slug, Sign Corrected



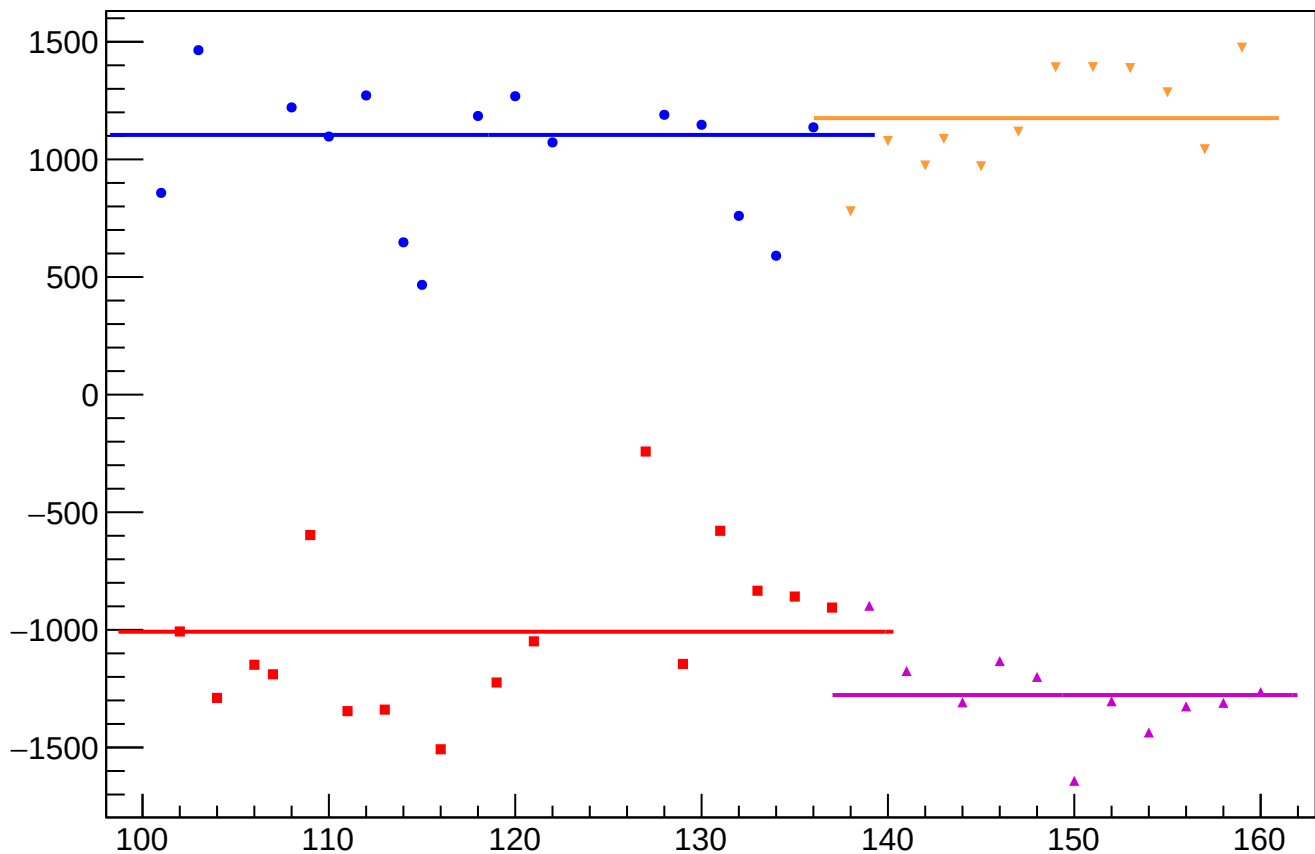
Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.017 ± 0.000 $\chi^2/\text{NDF}: 618248057516763535647221148024832.0/11$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.432 ± 0.000 $\chi^2/\text{NDF}: 345602703191245770554210363899904.0/10$
 All: -0.105 ± 0.000 $\chi^2/\text{NDF}: 5798588816900$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



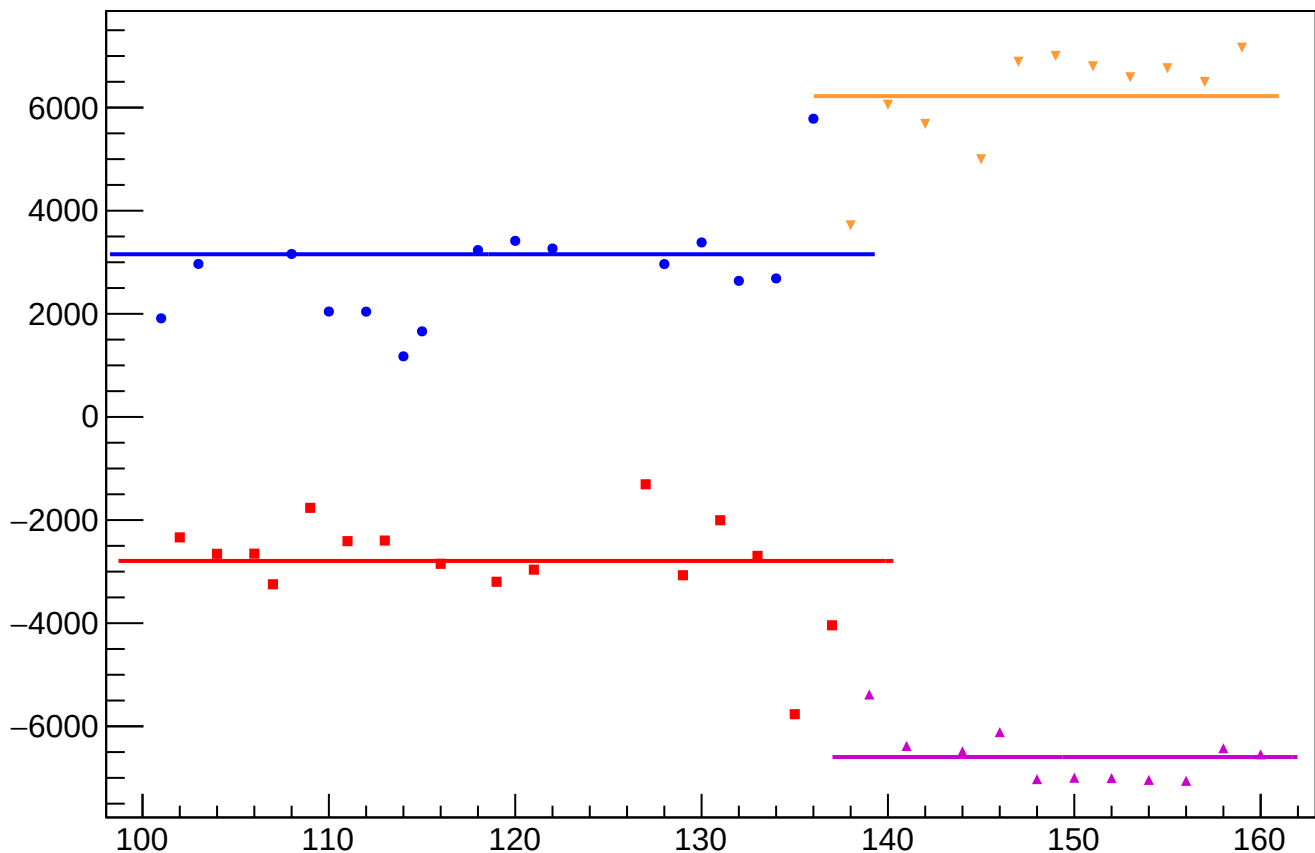
Right In: 0.793 +/- 0.000 χ^2/NDF : 195508777173589483440314700005376.0/14
 Left Out: 0.384 +/- 0.000 χ^2/NDF : 5453192114665634094551262035968.0/11
 Right Out: -0.778 +/- 0.000 χ^2/NDF : 185814635772183306063903690063872.0/15
 Left In: -0.383 +/- 0.000 χ^2/NDF : 2618375268437967875049691021312.0/10
 All: -0.002 +/- 0.000 χ^2/NDF : 1472702124552

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



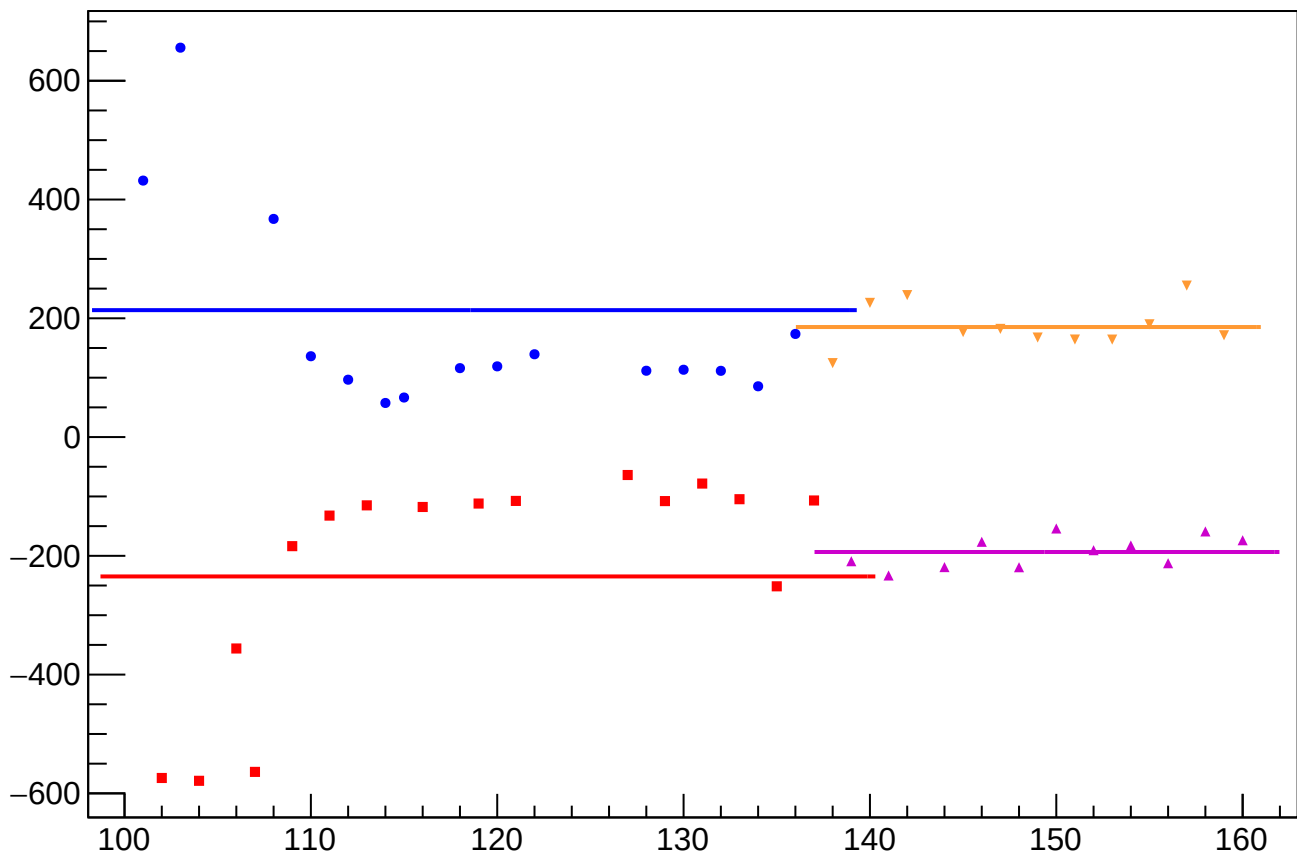
Left: -55.473 +/- 0.000 χ^2/NDF : 2837966684325657
 Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Right: 33.659 +/- 0.000 χ^2/NDF : 1569083056347410
 Left Out: 1175.478 +/- 0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 In: -294.641 +/- 0.000 χ^2/NDF : 2223953426306853
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Out: 256.086 +/- 0.000 χ^2/NDF : 1949816522076708
 Left In: -1277.097 +/- 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.318 +/- 0.000 χ^2/NDF : 441314646270

dit_usl_coil3_mean vs Slug, Sign Corrected



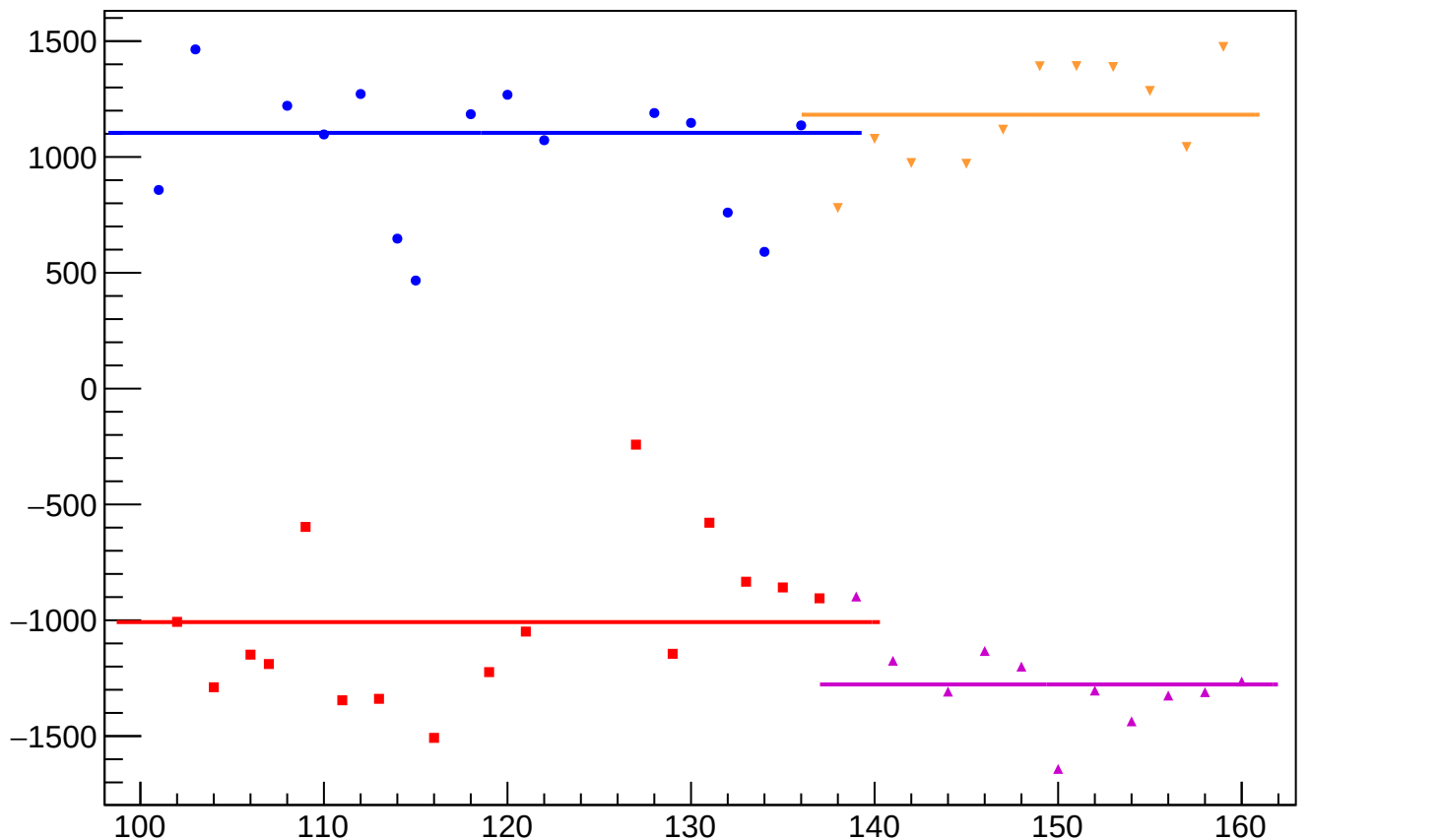
Right In: 3155.434+/-0.000 χ^2/NDF : 903550534773622902110918214033612996608.0/14
 Left Out: 6221.938+/-0.000 χ^2/NDF : 849977473152285312907595623686819807232.0/10
 Right Out: -2792.245+/-0.000 χ^2/NDF : 674635749324173001973264427530986717184.0/15
 Left In: -6595.861+/-0.000 χ^2/NDF : 225164805715400368671043826745864093696.0/10
 All: -200.802+/-0.000 χ^2/NDF : 87295634683

dit_usl_coil3_err_mean vs Slug, Sign Corrected



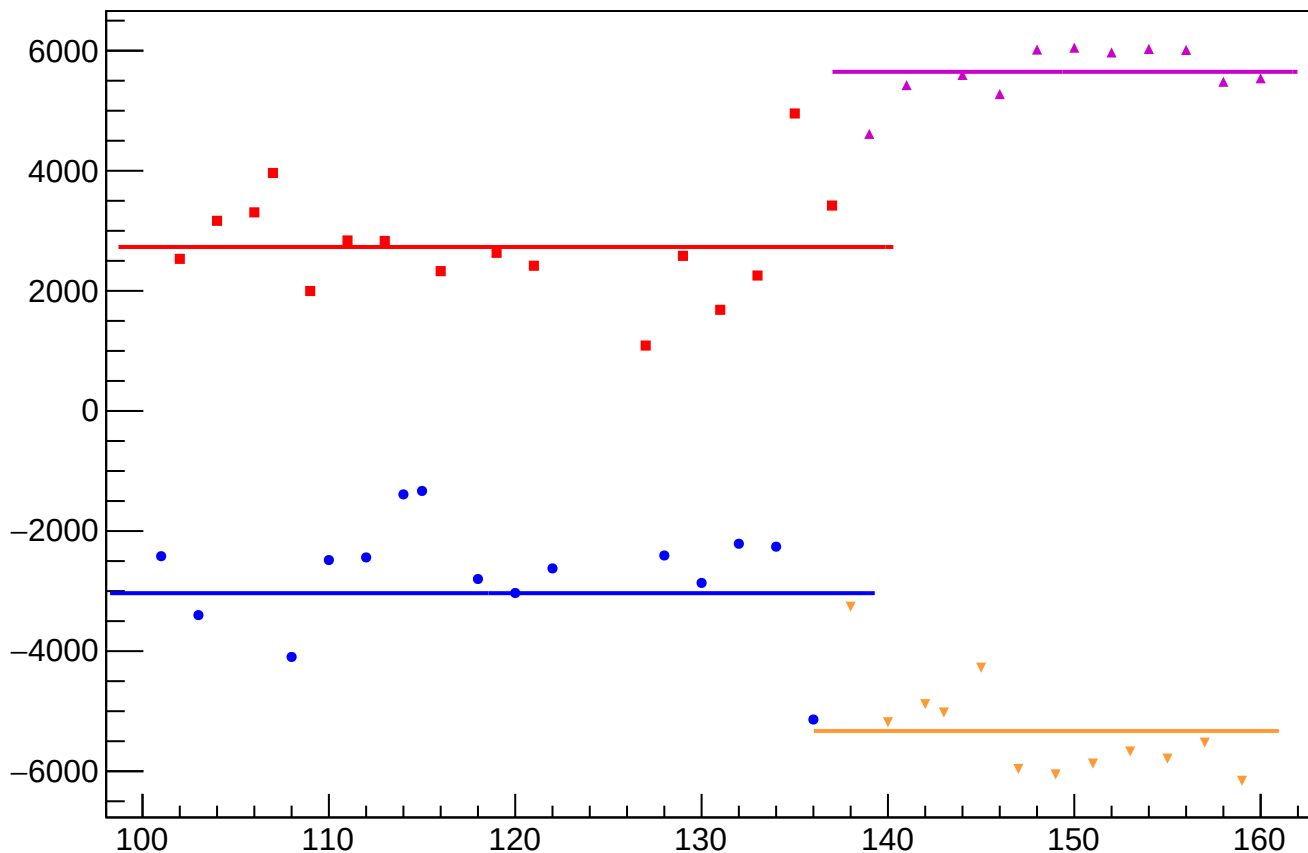
Right In: 213.739+/-0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Left Out: 185.291+/-0.000 χ^2/NDF : 1063728674006350590661838746148667392.0/10
 Right Out: -234.712+/-0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Left In: -193.543+/-0.000 χ^2/NDF : 598931150644293332680217057881489408.0/10
 All: -12.677+/-0.000 χ^2/NDF : 175086374280

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1182.447+/-0.000 χ^2/NDF : 39401916671919600348661592701888626688.0/10
 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: -42.286+/-0.000 χ^2/NDF : 432950679043

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527+/-0.000

Left Out: -5328.796+/-0.000

Right Out: 2731.035+/-0.000

Left In: 5647.632+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 624360364489310892896763337628232712192.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 164214312908035645215126356935491715072.0/10

Left: 180.286+/-0.000 χ^2/NDF : 5623960543067202

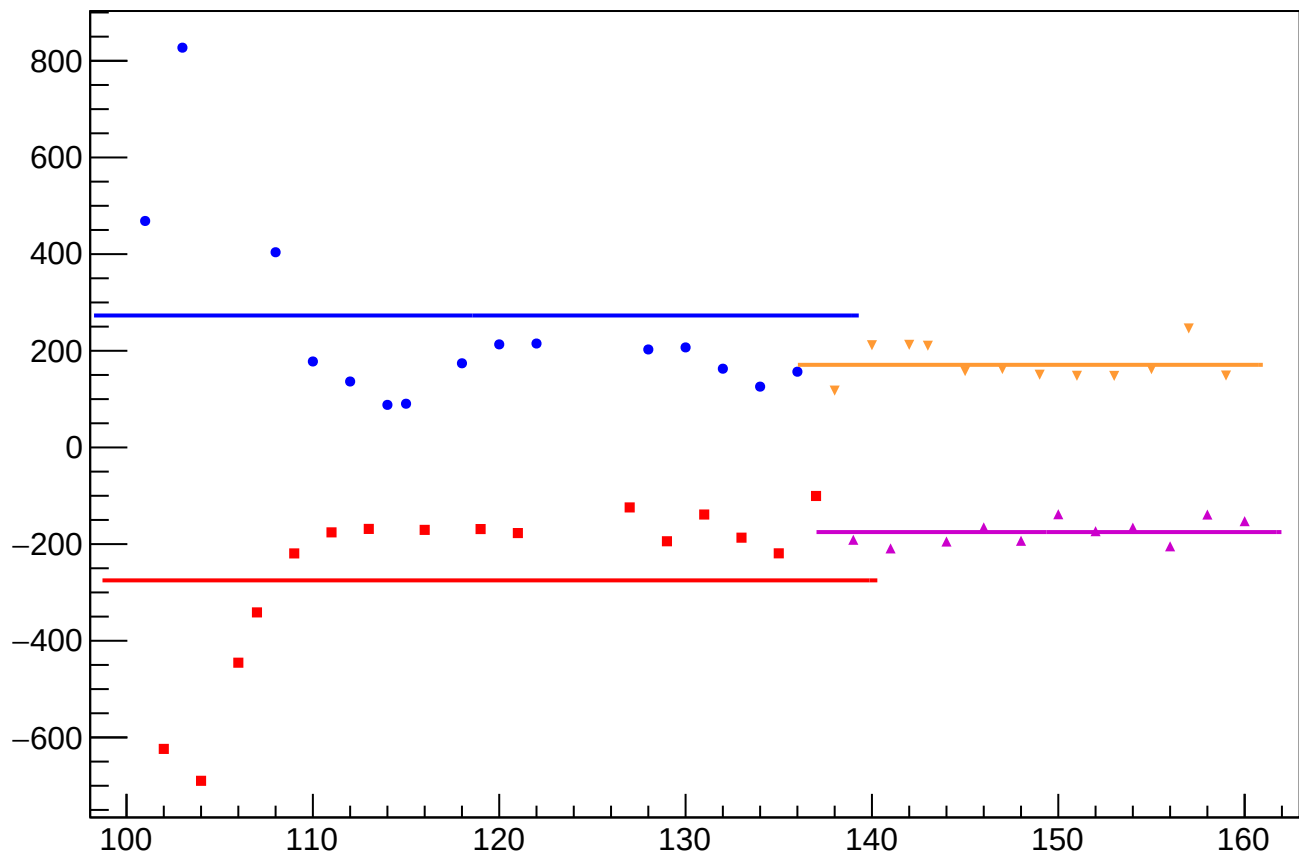
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 2065.482+/-0.000 χ^2/NDF : 2953204271382502

Out: -1934.916+/-0.000 χ^2/NDF : 26236367057963

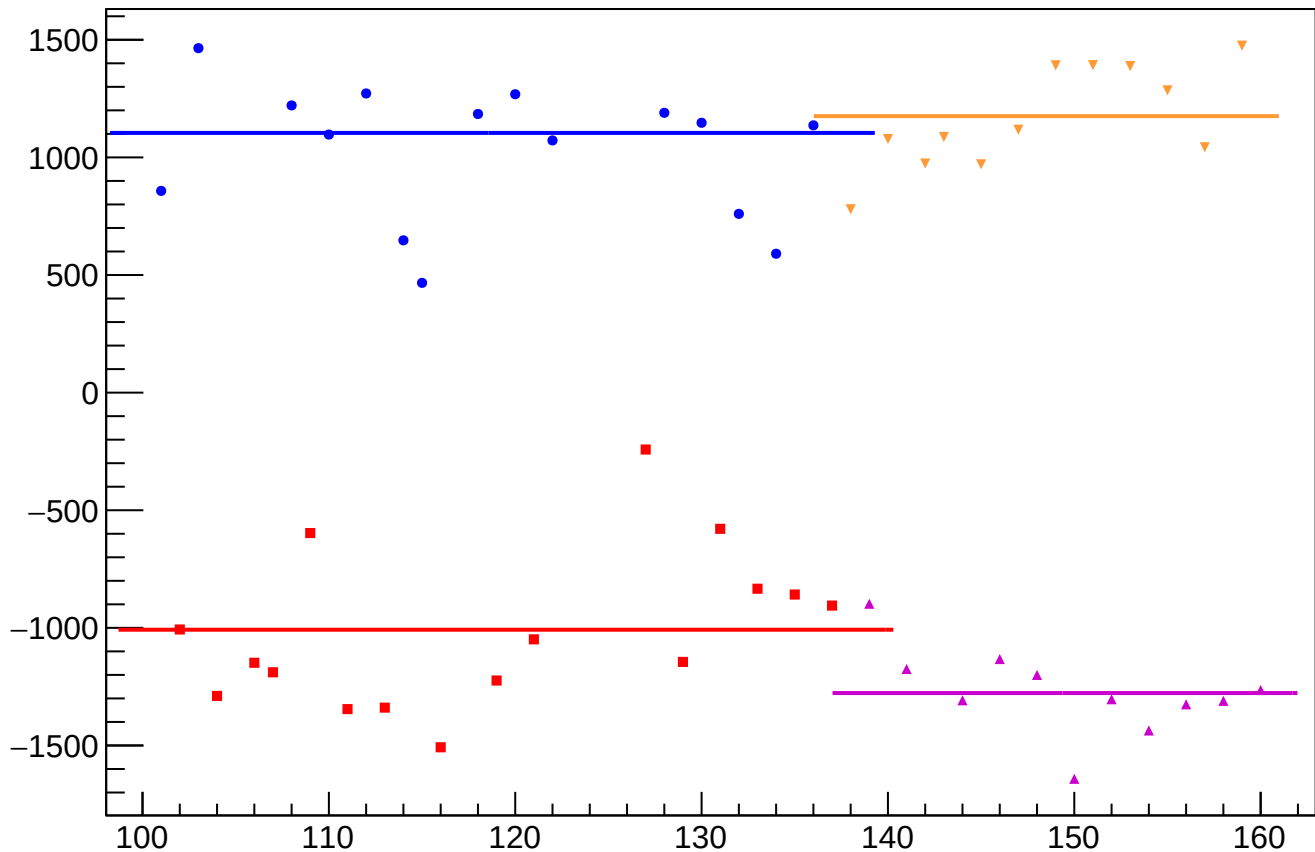
All: 58.314+/-0.000 χ^2/NDF : 6839876914332

dit_usr_coil3_err_mean vs Slug, Sign Corrected



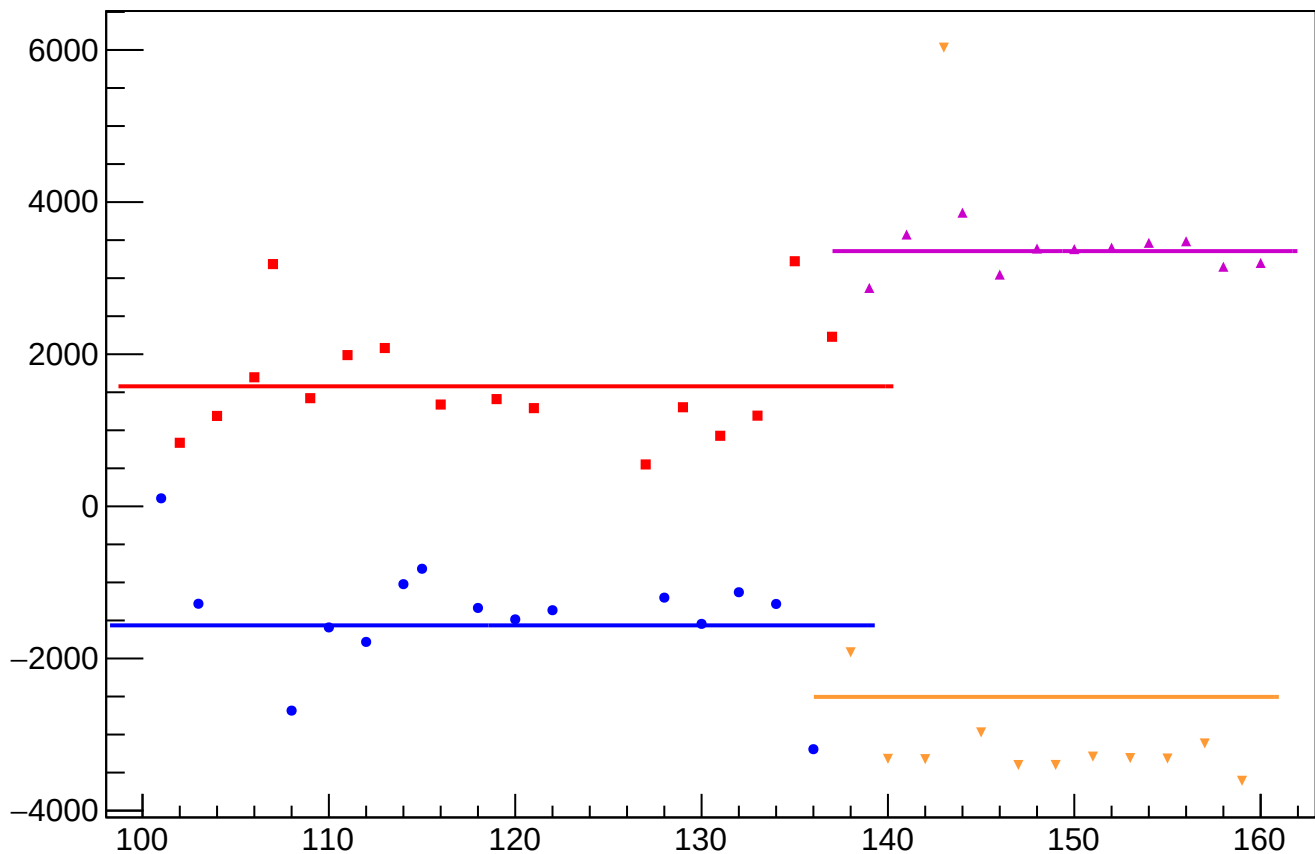
Right In: 273.039+/-0.000 χ^2/NDF : 26485935053341175092913795212184125440.0/14
 Left Out: 170.956+/-0.000 χ^2/NDF : 1172503860973970615331214508834160640.0/11
 Right Out: -275.044+/-0.000 χ^2/NDF : 22264760088752901792561892991657050112.0/15
 Left In: -175.100+/-0.000 χ^2/NDF : 532319905760316522814470909096624128.0/10
 All: -3.572+/-0.000 χ^2/NDF : 2043863140361

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 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: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1564.595+/-0.000

Left Out: -2504.960+/-0.000

Right Out: 1578.178+/-0.000

Left In: 3355.712+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5422497697613230212283297952400402284544.0/11

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 61603128430044333980990125877093203968.0/10

Left: 436.518+/-0.000 χ^2/NDF : 2129229946412922

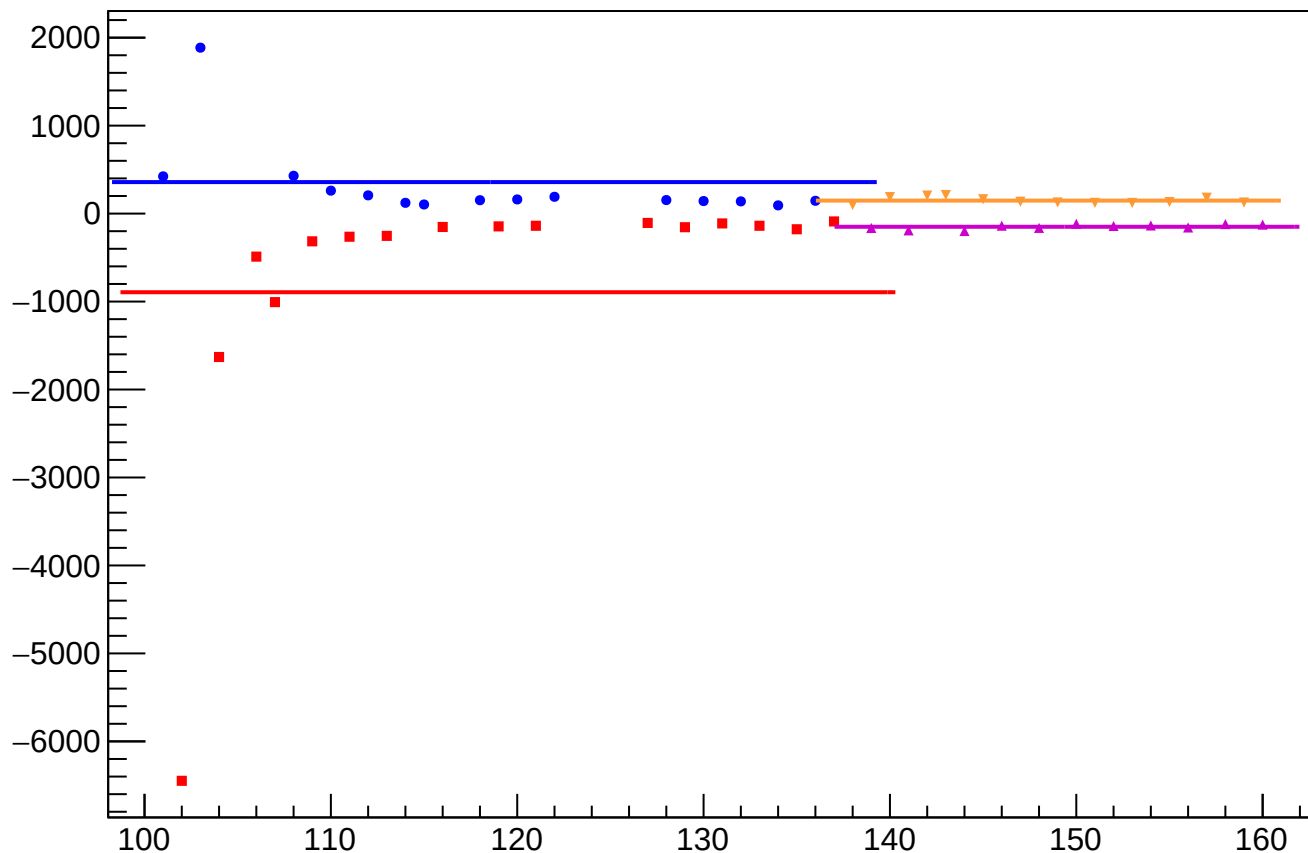
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1325.655+/-0.000 χ^2/NDF : 977485555761575

Out: -785.608+/-0.000 χ^2/NDF : 122286097015398

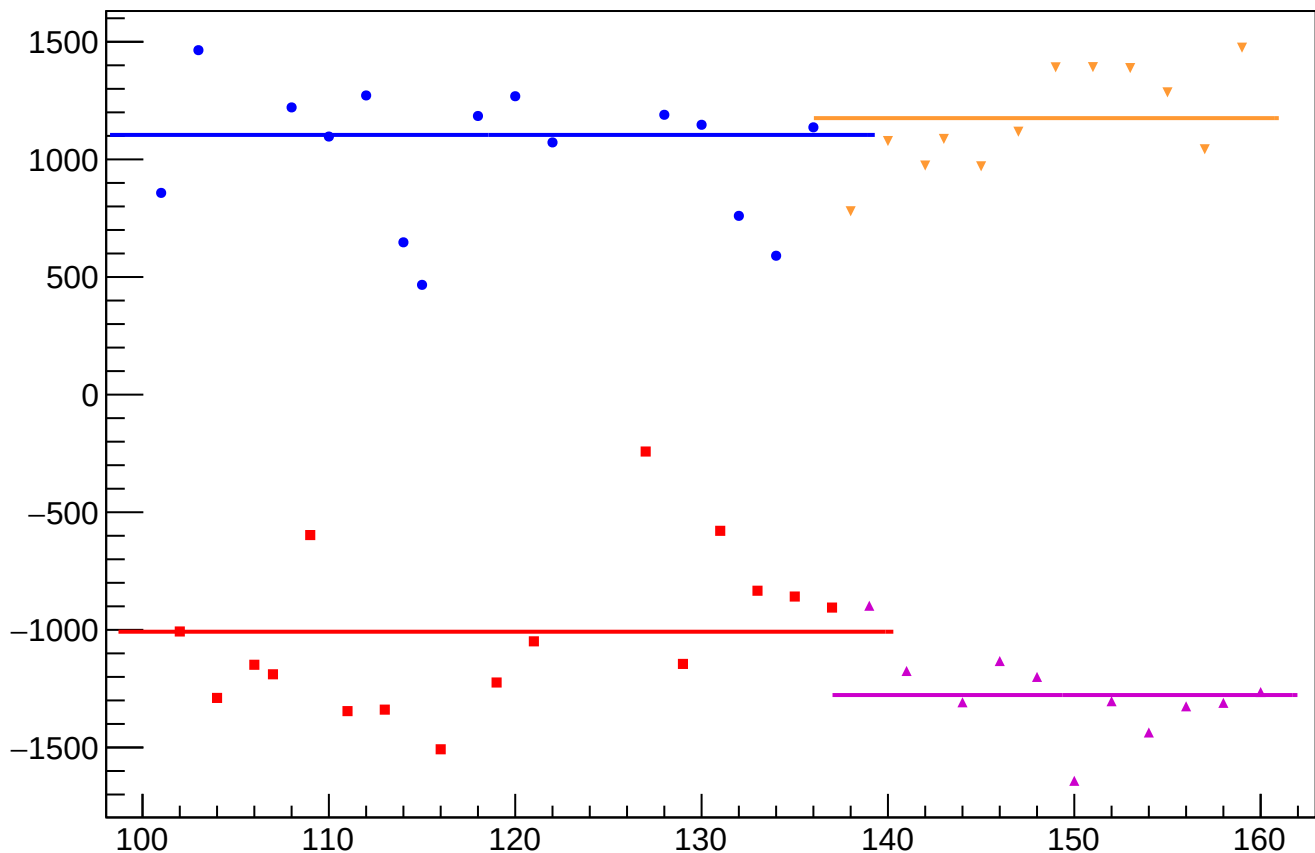
All: 266.345+/-0.000 χ^2/NDF : 255214523753

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



Right In: 358.080 ± 0.000 $\chi^2/\text{NDF}: 157922789145697858165644452090202816512.0/14$
 Left Out: 147.874 ± 0.000 $\chi^2/\text{NDF}: 1073020519575473807448825753294077952.0/11$
 Right Out: -893.897 ± 0.000 $\chi^2/\text{NDF}: 2075920155774201043572695656797803905024.0/15$
 Left In: -149.829 ± 0.000 $\chi^2/\text{NDF}: 645756718172892804384604635004928000.0/10$
 All: -116.147 ± 0.000 $\chi^2/\text{NDF}: 28499505144$

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

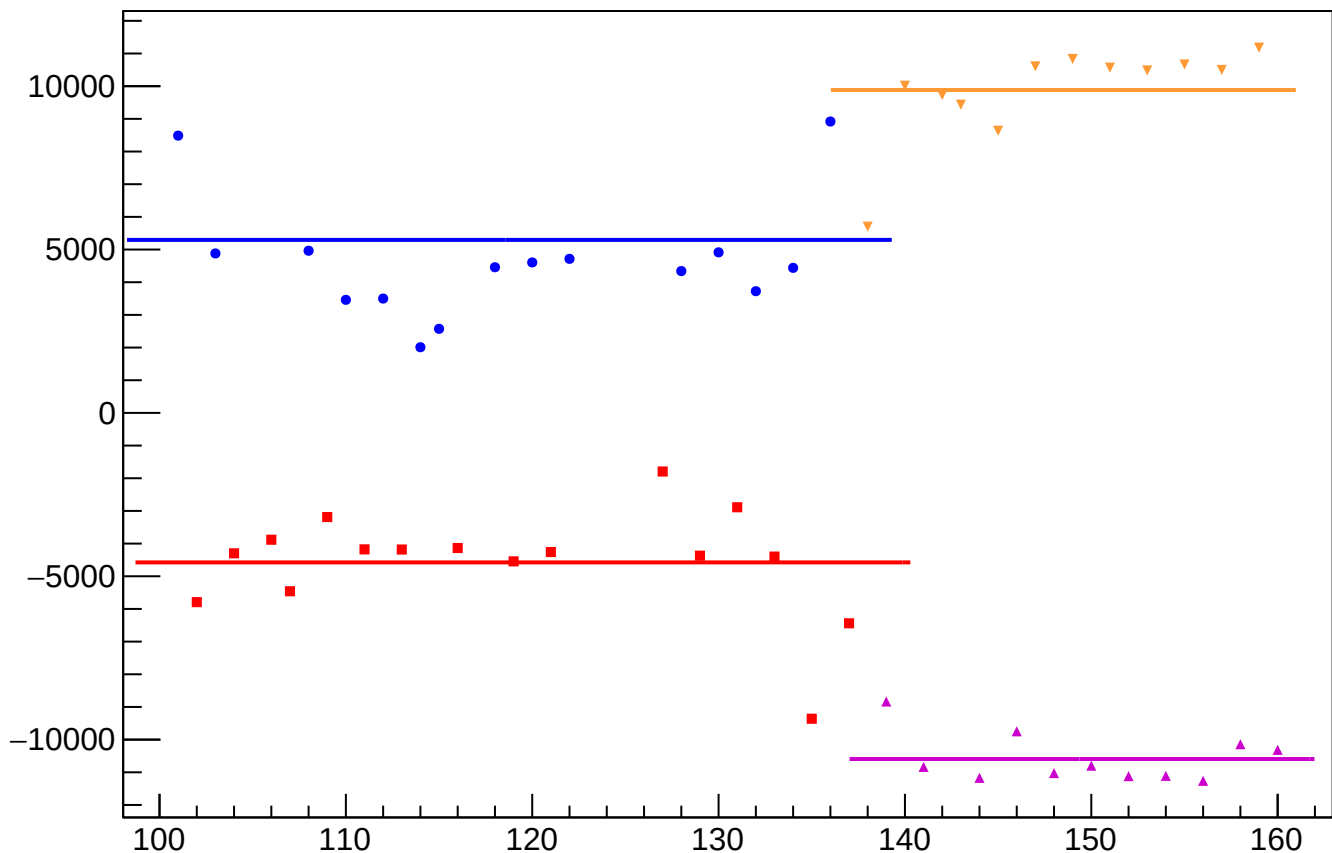
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

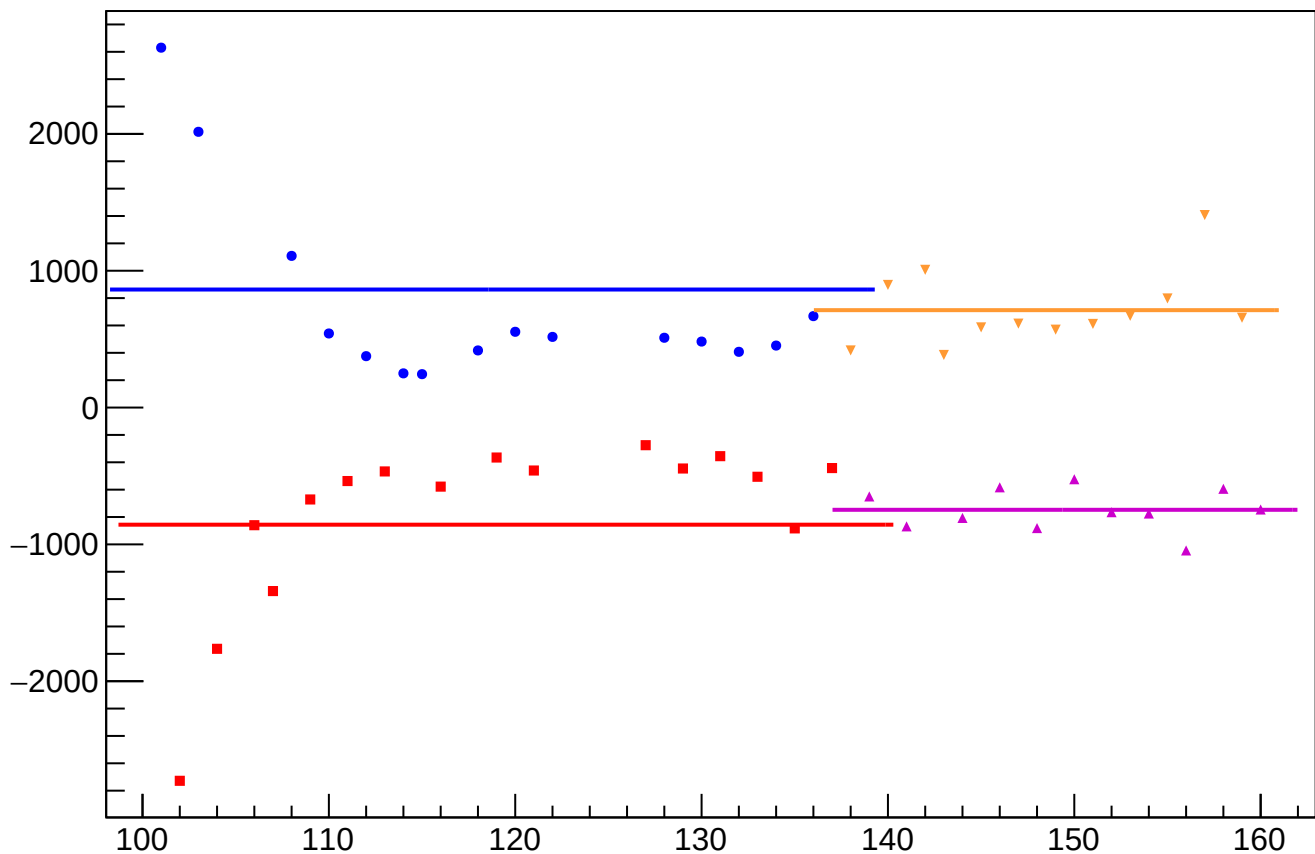
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5295.485+/-0.000 χ^2/NDF : 2505645232968263275444048016093183213568.0/14
 Left Out: 9883.978+/-0.000 χ^2/NDF : 1902428891005248408553336449765040193536.0/11
 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: -107.783+/-0.000 χ^2/NDF : 23215590234

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 862.683 +/- 0.000

χ^2/NDF : 337684000863819315026459106525759668224.0/14

Left Out: 711.884 +/- 0.000

χ^2/NDF : 64392508404620992008761939417708363776.0/11

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: -20.470 +/- 0.000 χ^2/NDF : 1063996578023286

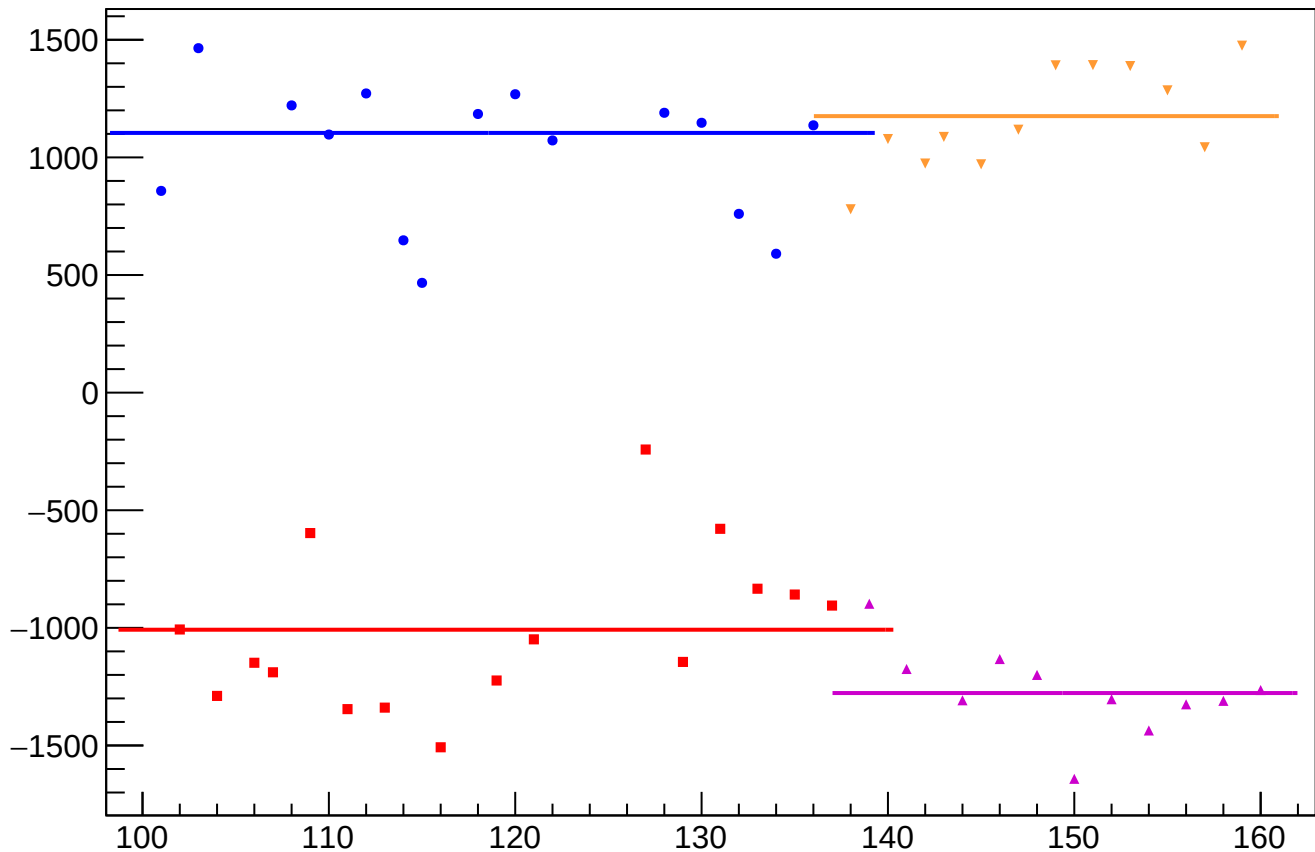
Right: -8.442 +/- 0.000 χ^2/NDF : 1636587396882894

In: -83.027 +/- 0.000 χ^2/NDF : 13454995318402178

Out: 51.646 +/- 0.000 χ^2/NDF : 13408812979789570

All: -15.456 +/- 0.000 χ^2/NDF : 270069498605

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

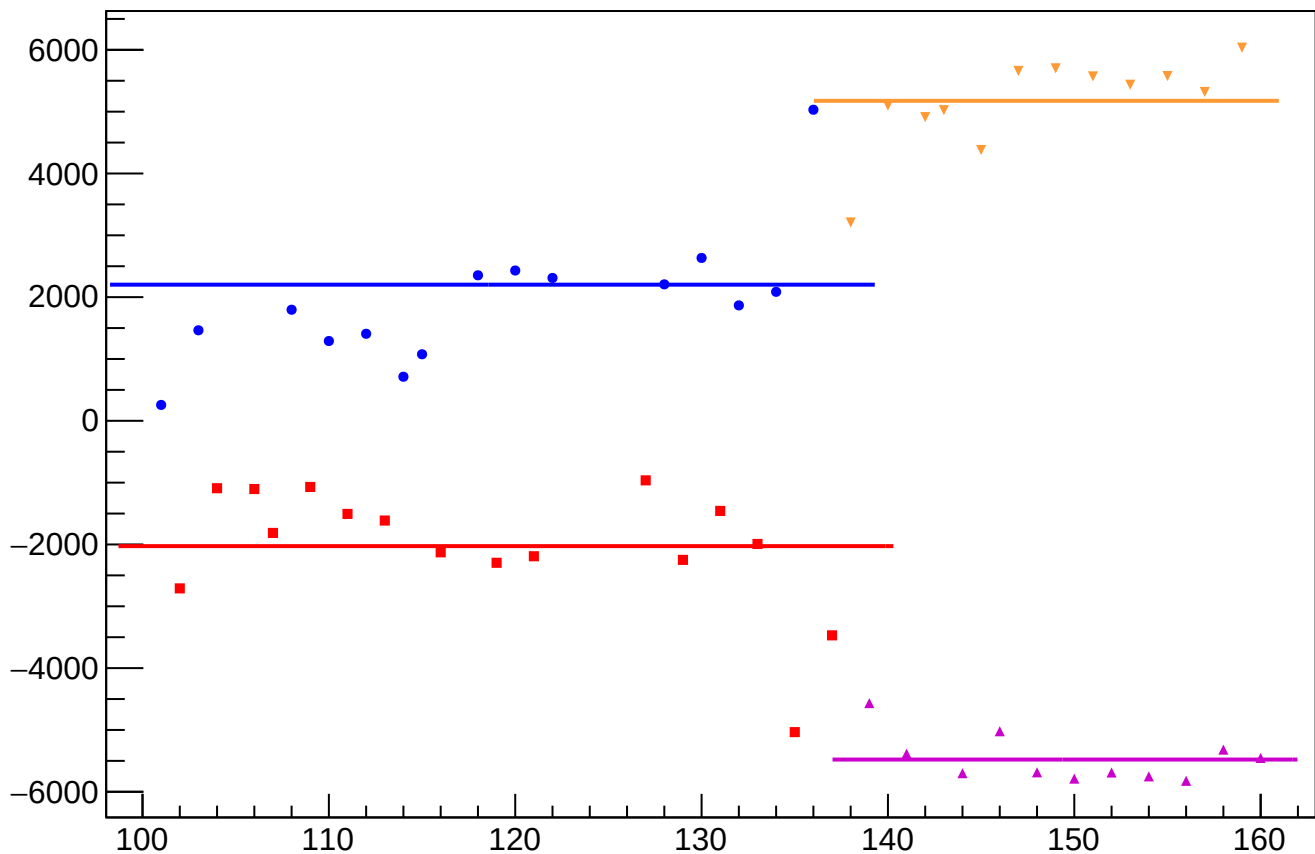
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

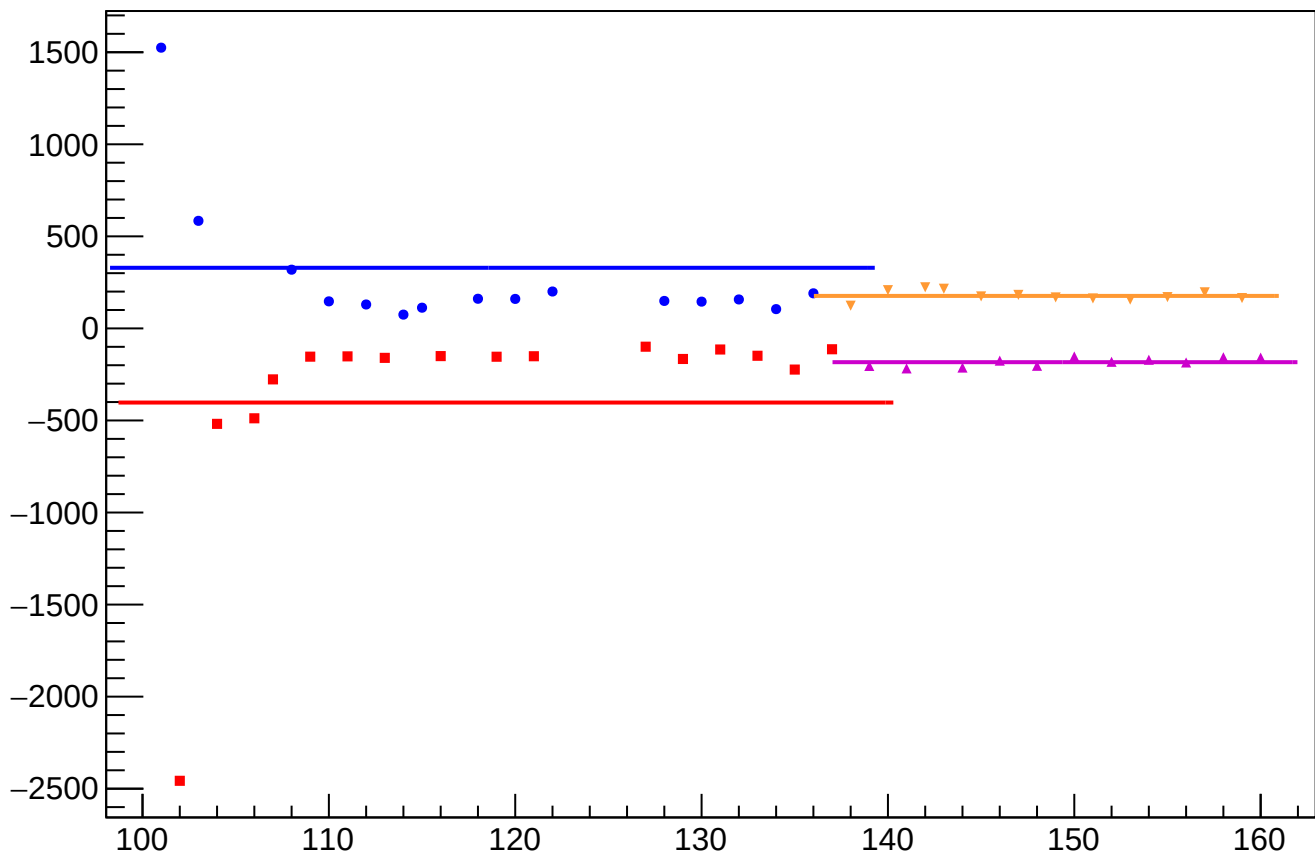
Left: -55.473+/-0.000 χ^2/NDF : 2837966684325657
 Right: 33.659+/-0.000 χ^2/NDF : 1569083056347410
 In: -294.641+/-0.000 χ^2/NDF : 2223953426306853
 Out: 256.086+/-0.000 χ^2/NDF : 1949816522076708
 All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_atr1_coil3_mean vs Slug, Sign Corrected



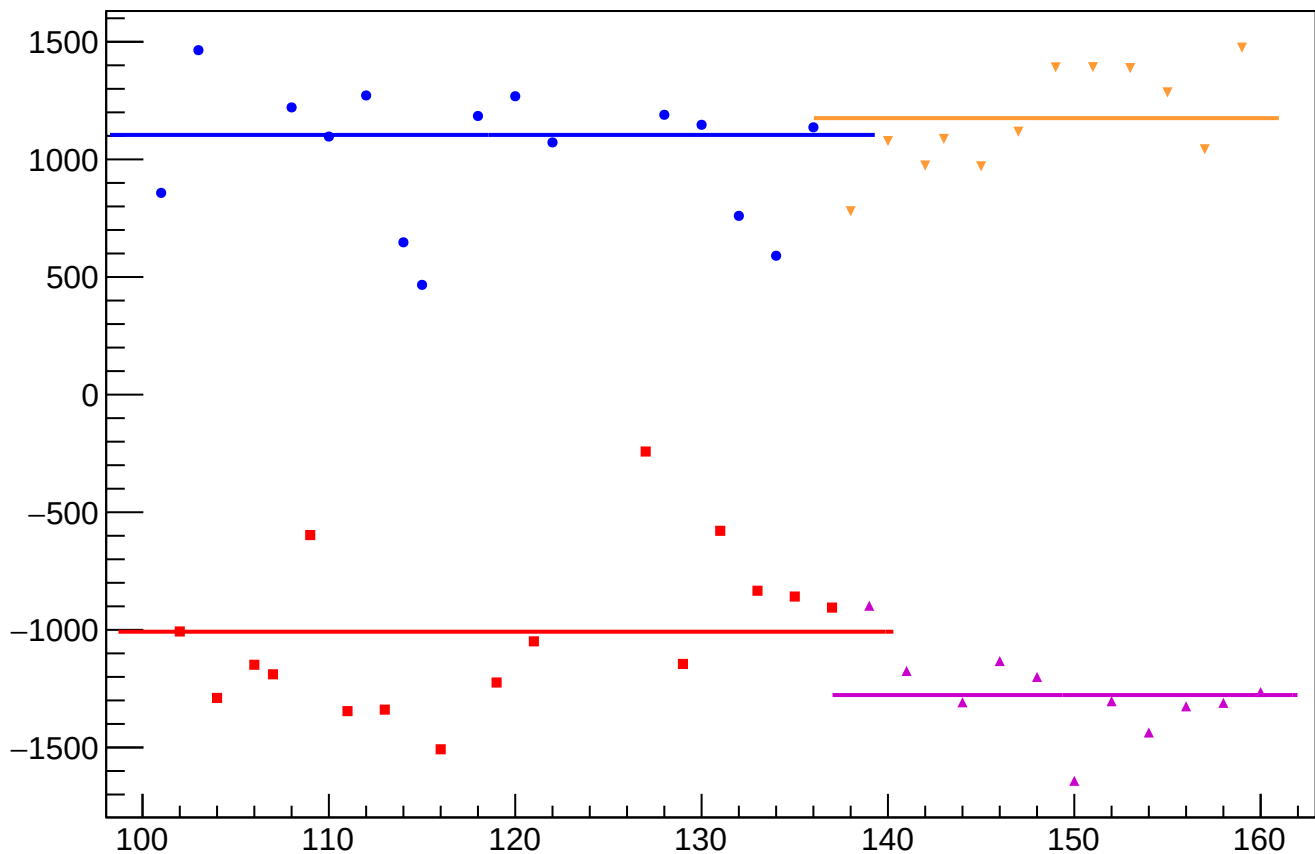
Right In: 2201.844+/-0.000 χ^2/NDF : 1086544775216266395419904724422998622208.0/14
 Left Out: 5175.489+/-0.000 χ^2/NDF : 491163082398861244777680604445322248192.0/11
 Right Out: -2026.969+/-0.000 χ^2/NDF : 708626456603410705124518299956645199872.0/15
 Left In: -5478.713+/-0.000 χ^2/NDF : 124186054771424011873849346802583601152.0/10
 All: -75.831+/-0.000 χ^2/NDF : 605767549584

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229 $\pm$ 0.000 χ^2 /NDF: 103285029091922742033837903437132464128.0/14
 Left Out: 176.521 $\pm$ 0.000 χ^2 /NDF: 603954020649542809657845120778633216.0/11
 Right Out: -402.690 $\pm$ 0.000 χ^2 /NDF: 277636056793293374242116053515003494400.0/15
 Left In: -183.411 $\pm$ 0.000 χ^2 /NDF: 452789814018275751637875535657304064.0/10
 All: -19.806 $\pm$ 0.000 χ^2 /NDF: 618902446479

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478 $\pm$ 0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906 $\pm$ 0.000

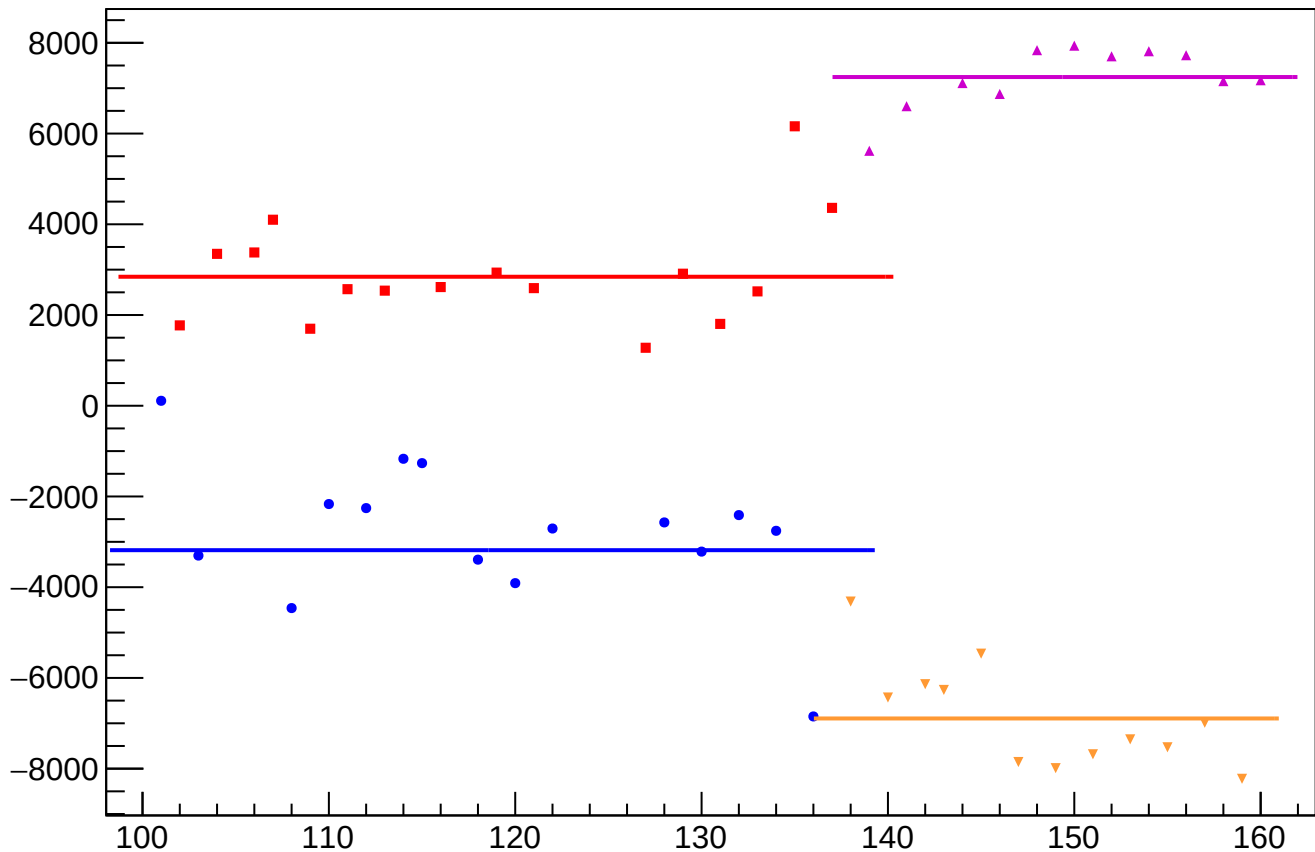
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097 $\pm$ 0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.318 $\pm$ 0.000 χ^2/NDF : 441314646270

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6893.642+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1166796992551395591900489719368617295872.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.020+/-0.000 χ^2/NDF : 9358372073550295

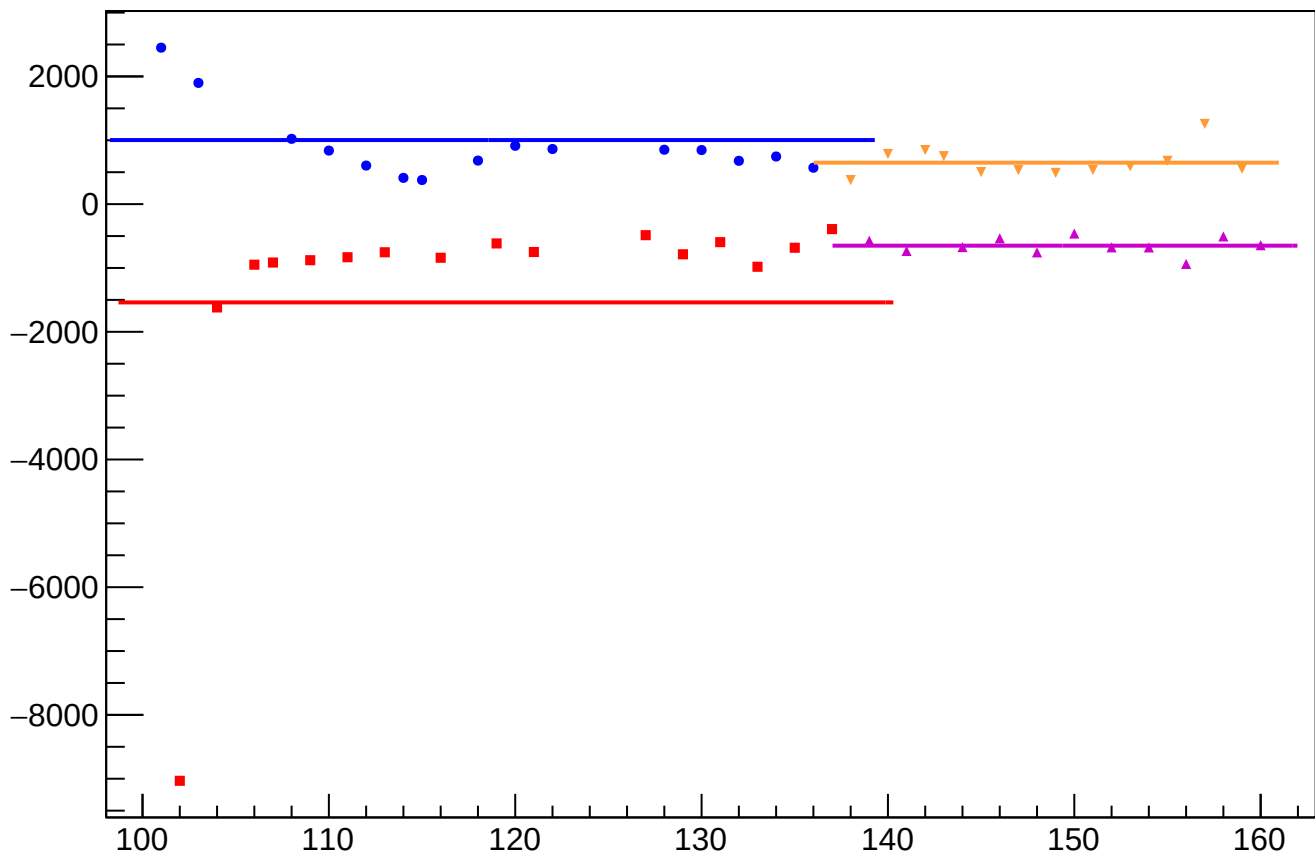
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 4400762301393366

Out: -2793.428+/-0.000 χ^2/NDF : 38724876379367

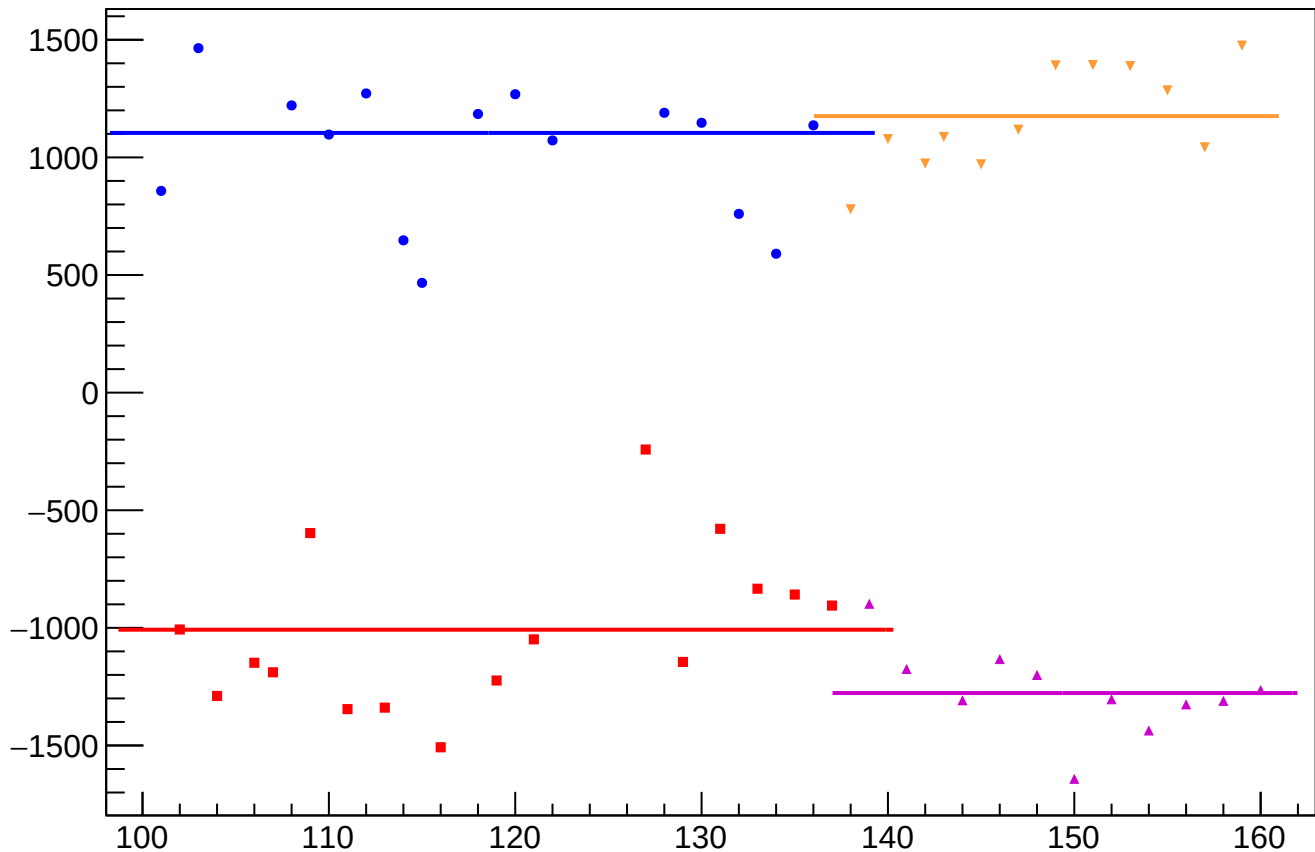
All: 64.640+/-0.000 χ^2/NDF : 1087009722996

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



Left: -3.131 ± 0.000 $\chi^2/\text{NDF}: 83891546678998356$
 Right In: 1003.407 ± 0.000 $\chi^2/\text{NDF}: 219815257294811198811064619822196195328.0/14$
 Right: -285.472 ± 0.000 $\chi^2/\text{NDF}: 59617429830759$
 Left Out: 649.450 ± 0.000 $\chi^2/\text{NDF}: 46064570136396855168938023455129862144.0/11$
 In: 31.723 ± 0.000 $\chi^2/\text{NDF}: 127775317532397342$
 Right Out: -1539.568 ± 0.000 $\chi^2/\text{NDF}: 3614774785297482293145354574125437288448.0/15$
 Out: -272.314 ± 0.000 $\chi^2/\text{NDF}: 551112500200463$
 Left In: -650.769 ± 0.000 $\chi^2/\text{NDF}: 14776465774858799846922535858394365952.0/10$
 All: -120.825 ± 0.000 $\chi^2/\text{NDF}: 68618344036$

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

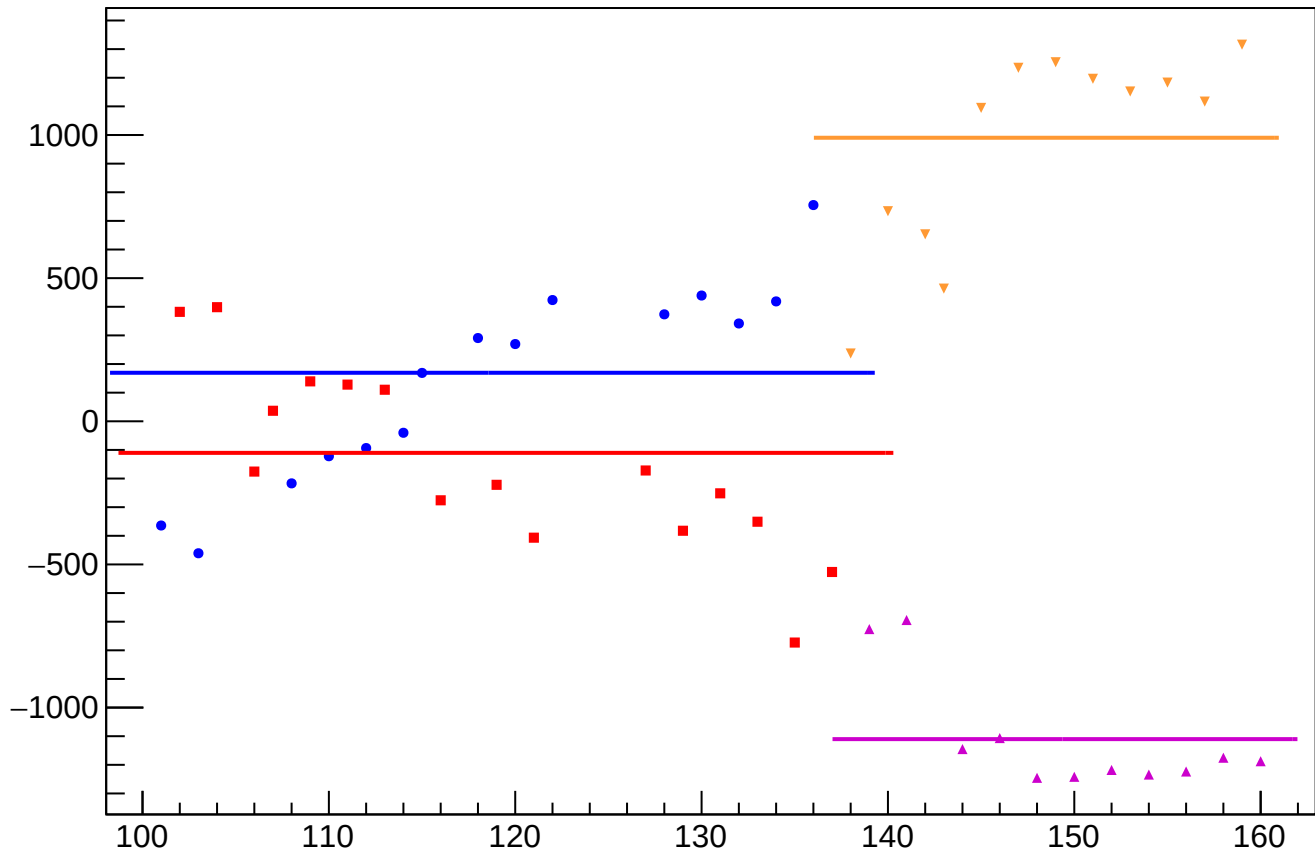
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489 +/- 0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 990.430 +/- 0.000

χ^2/NDF : 103090910531659754312882501653991784448.0/11

Right Out: -110.289 +/- 0.000

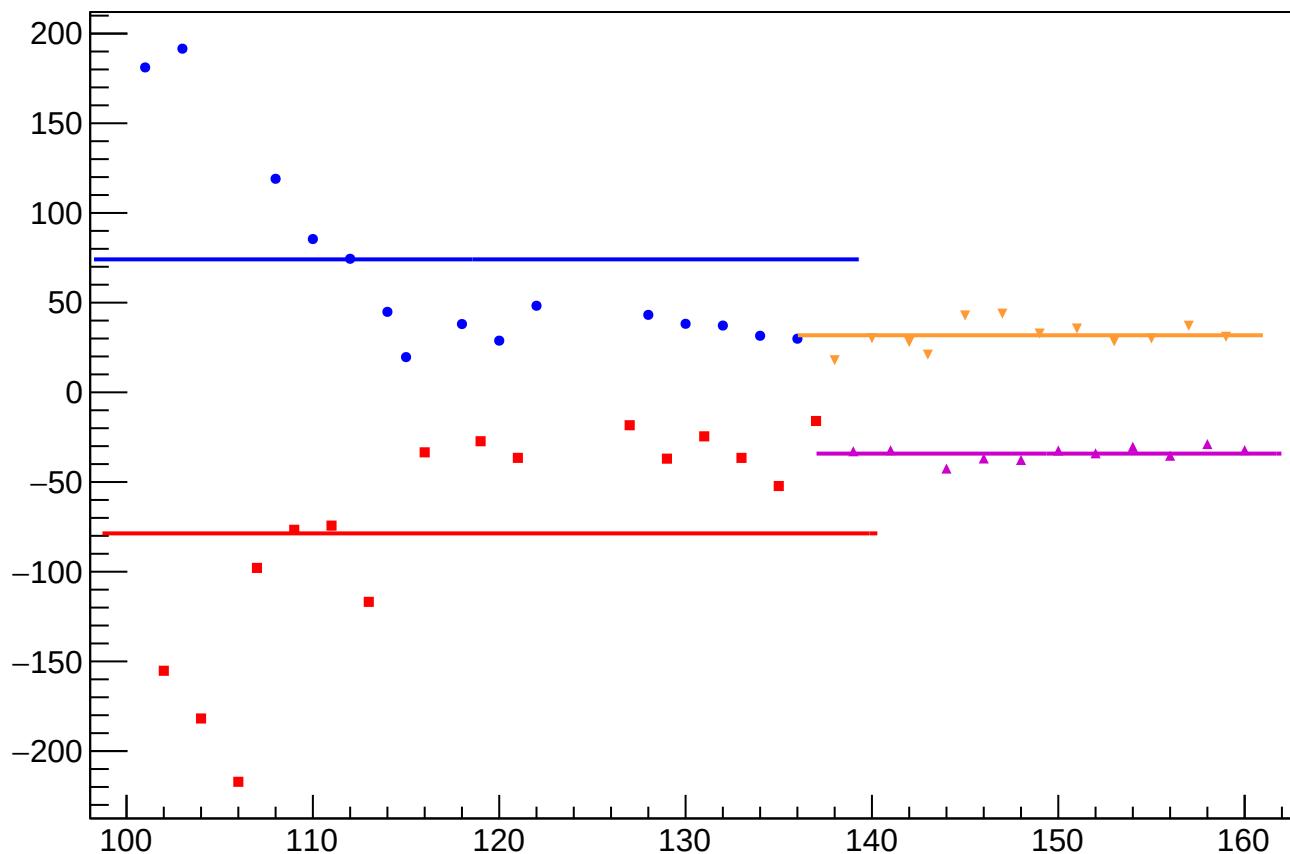
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1110.204 +/- 0.000

χ^2/NDF : 34078671675207101758695575343264169984.0/10

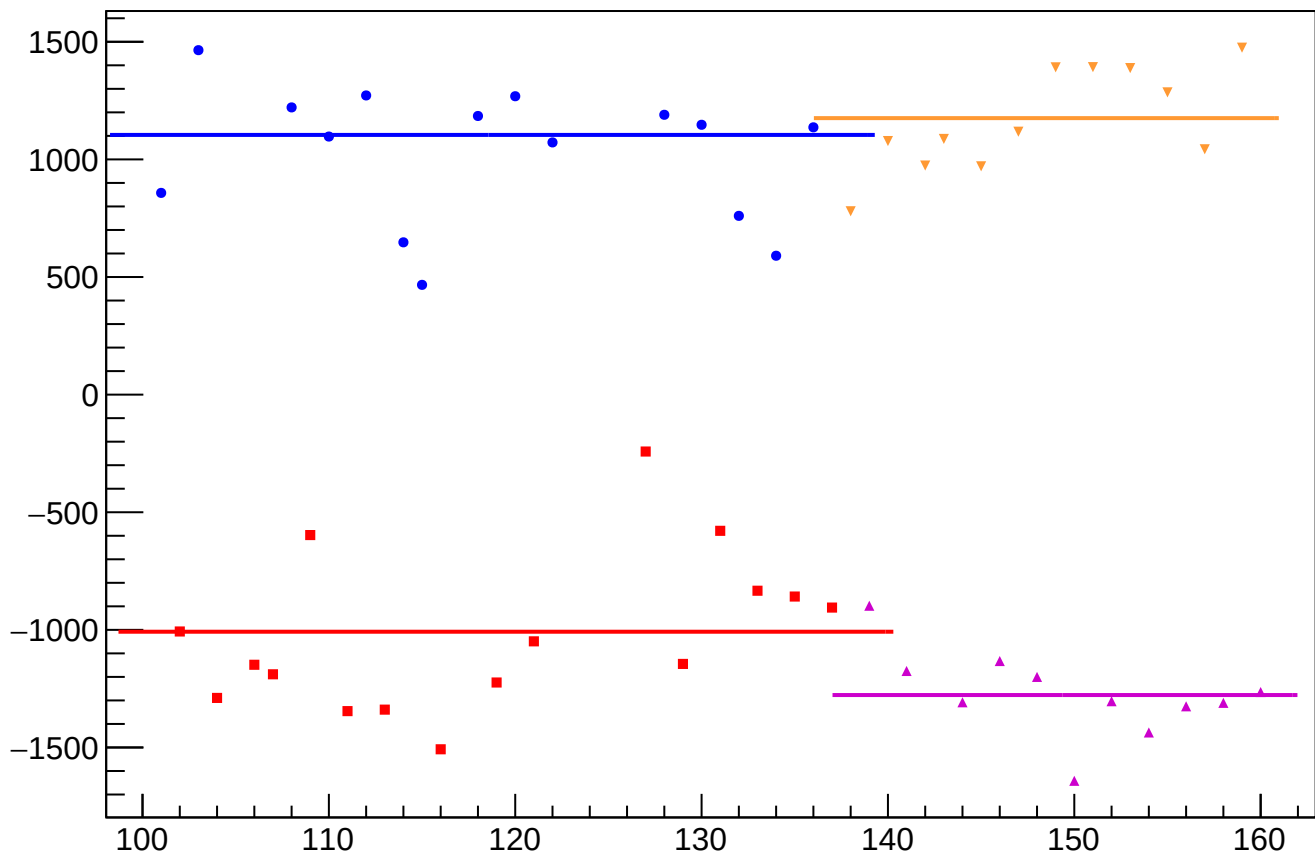
All: -25.711 +/- 0.000 χ^2/NDF : 236745671746

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



Right In: 74.129+/-0.000 χ^2/NDF : 2168375717401207322620658258081218560.0/14
 Left Out: 31.811+/-0.000 χ^2/NDF : 49714502708074355804513533446586368.0/11
 Right Out: -78.633+/-0.000 χ^2/NDF : 2343230336879830638767678903539466240.0/15
 Left In: -34.158+/-0.000 χ^2/NDF : 12535781757096828038064244290224128.0/10
 All: -2.132+/-0.000 χ^2/NDF : 1425602893344

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

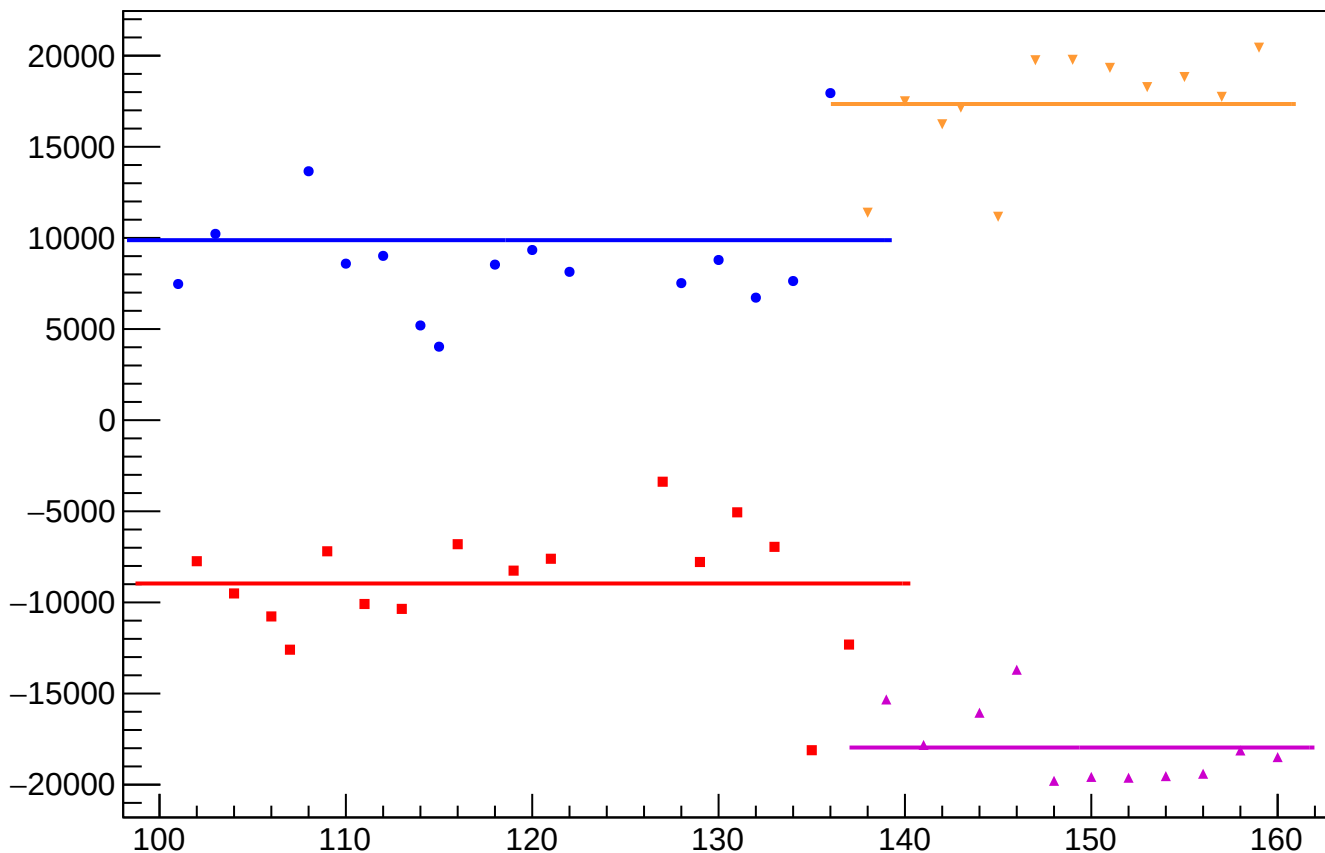
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

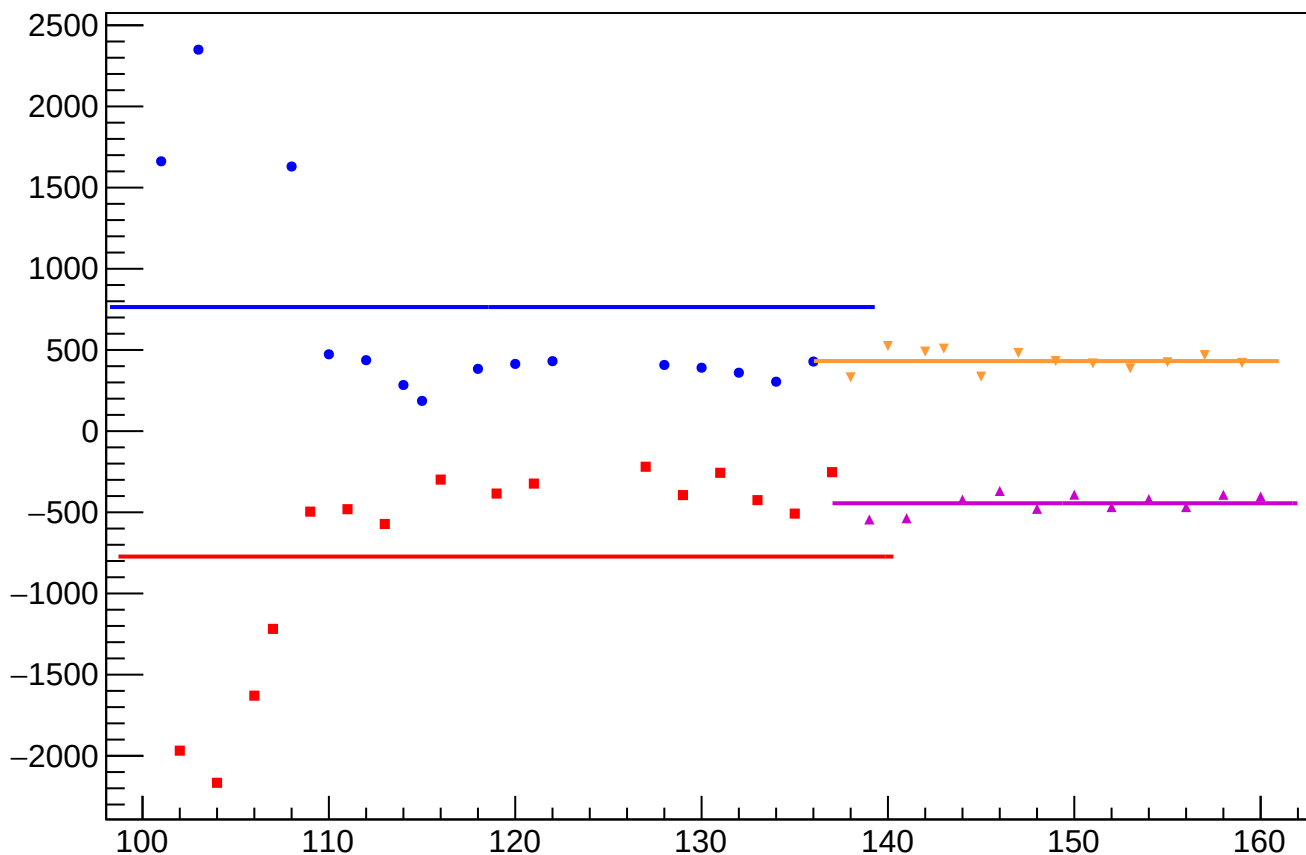
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam2_coil3_mean vs Slug, Sign Corrected



Right In: 9876.530 $\pm$ 0.000 χ^2 /NDF: 8483360287053054122301651905797133697024.0/14
 Left Out: 17348.108 $\pm$ 0.000 χ^2 /NDF: 8207548108596149921739030122495561695232.0/11
 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: -81.304 $\pm$ 0.000 χ^2 /NDF: 718800894609

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 764.284+/-0.000

χ^2/NDF : 290964758058269480005067205020030599168.0/14

Left Out: 431.662+/-0.000

χ^2/NDF : 3280421514159451222222919804563488768.0/11

Right Out: -772.547+/-0.000

χ^2/NDF : 285902138904642401278625587631891677184.0/15

Left In: -444.245+/-0.000

χ^2/NDF : 2906625839452991270105053894151241728.0/10

Left: -7.957+/-0.000 χ^2/NDF : 35929144777263772

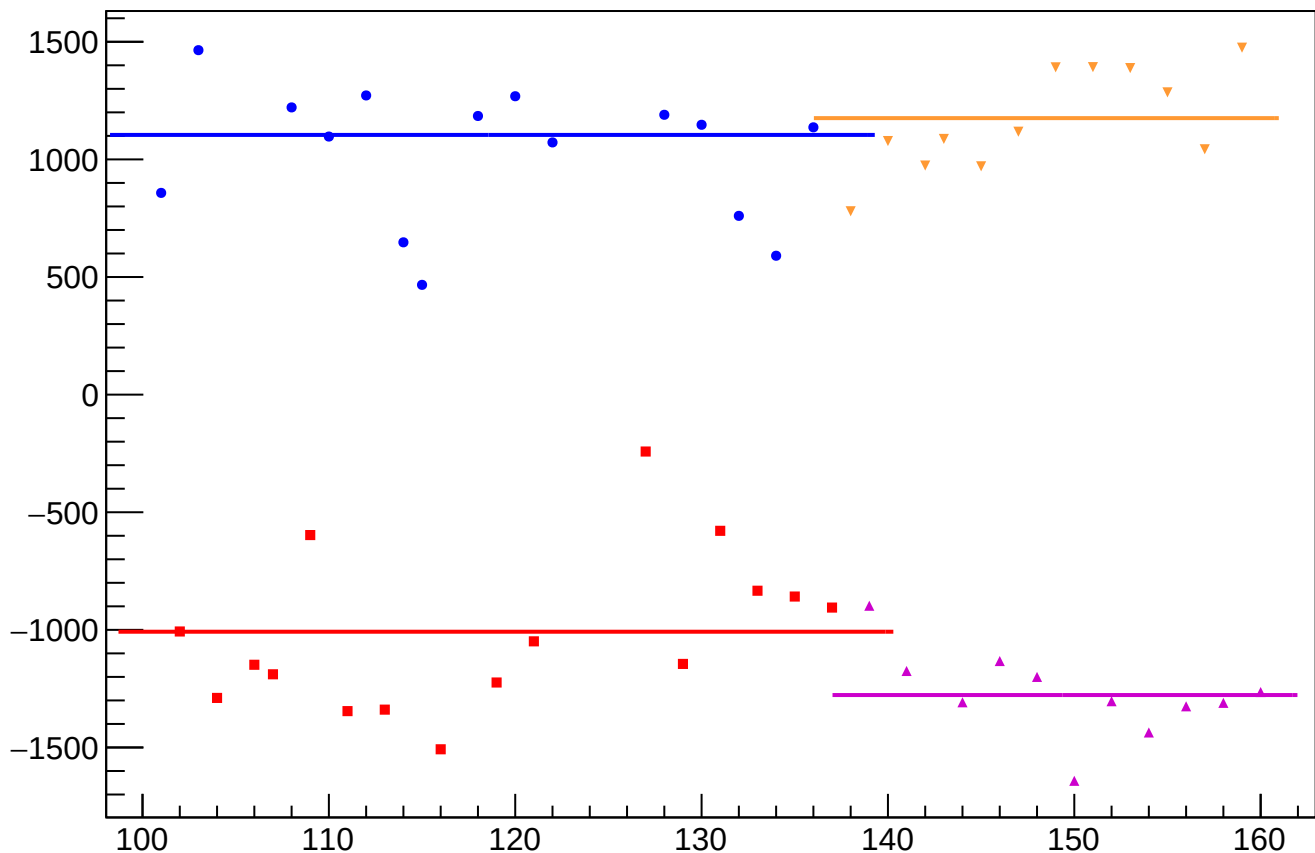
Right: -14.642+/-0.000 χ^2/NDF : 135377066004634

In: 54.379+/-0.000 χ^2/NDF : 850674868535518824

Out: -75.414+/-0.000 χ^2/NDF : 8491258746078760

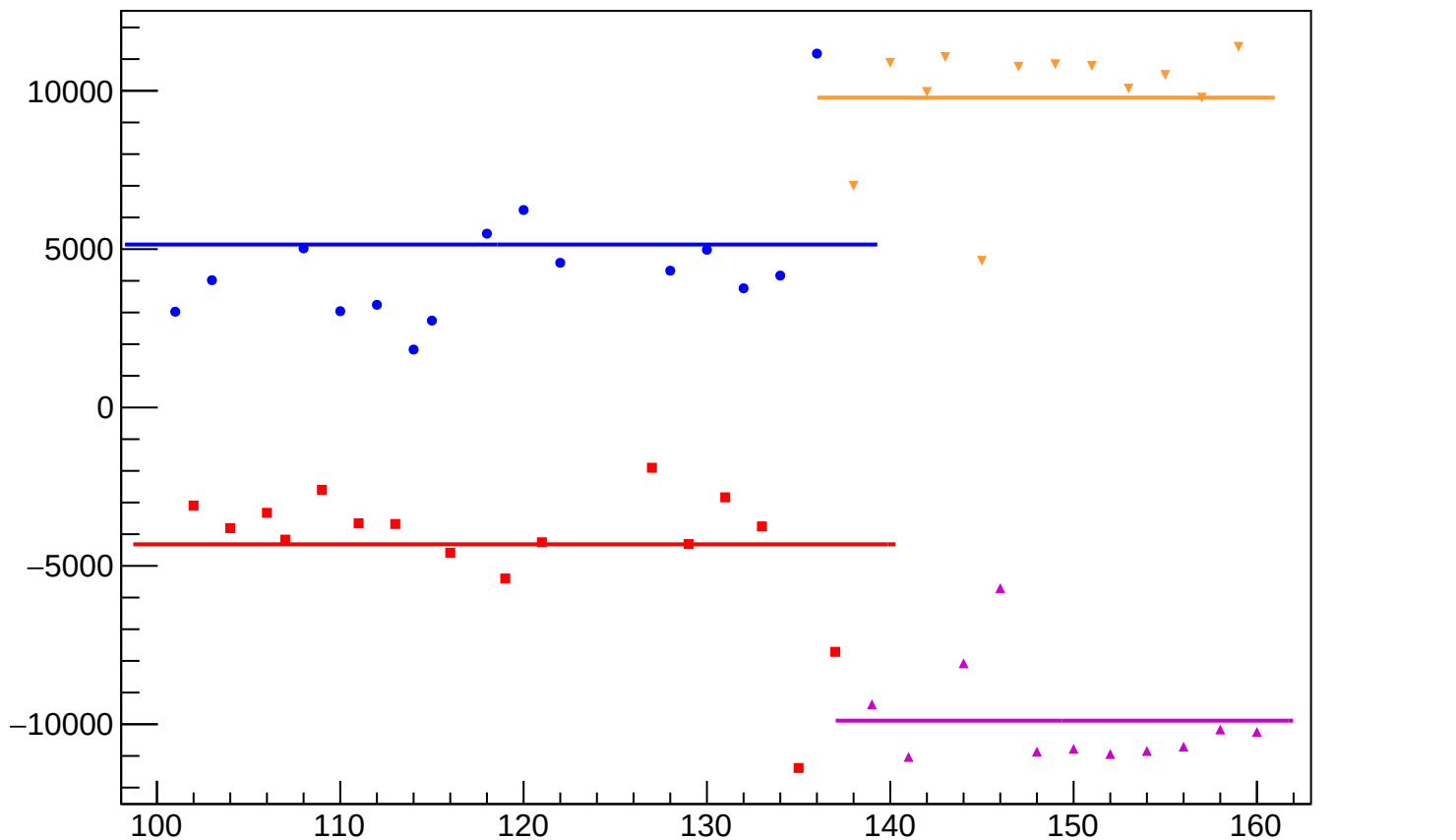
All: -10.743+/-0.000 χ^2/NDF : 171309640710

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



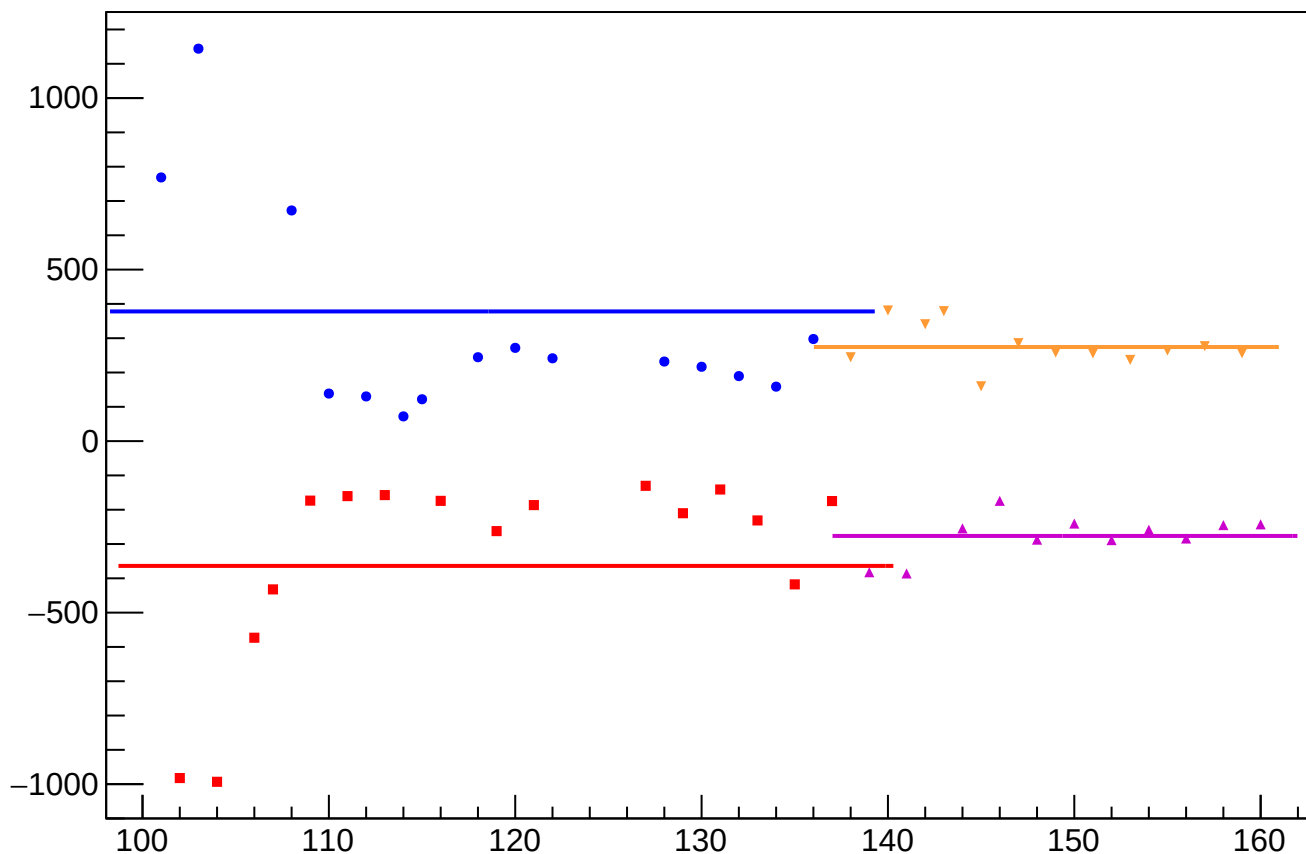
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_sam3_coil3_mean vs Slug, Sign Corrected



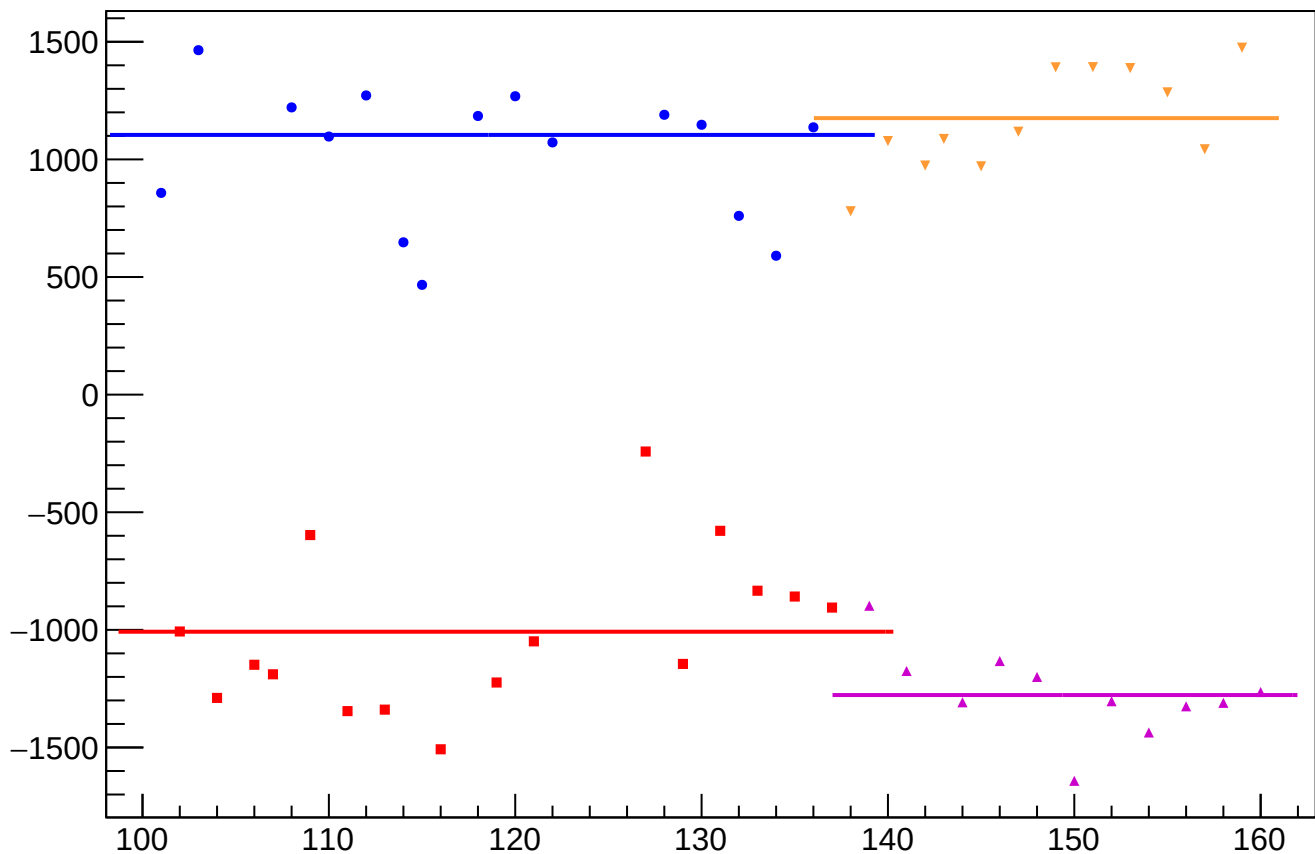
Right In: 5145.657+/-0.000 χ^2/NDF : 4272867262459372237810540195851662262272.0/14
 Left Out: 9783.623+/-0.000 χ^2/NDF : 3463460967659182435053933688350532698112.0/11
 Right Out: -4318.126+/-0.000 χ^2/NDF : 3345176554564755427312533888908526616576.0/15
 Left In: -9887.069+/-0.000 χ^2/NDF : 2278516780225824082632420288802127347712.0/10
 All: 93.529+/-0.000 χ^2/NDF : 2210529199103

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



Right In: 378.052 ± 0.000 $\chi^2/\text{NDF}: 61516590022593053040860760861331947520.0/14$
 Left Out: 274.281 ± 0.000 $\chi^2/\text{NDF}: 3210866570321724501306846670770667520.0/11$
 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 $\chi^2/\text{NDF}: 4475481806747$

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

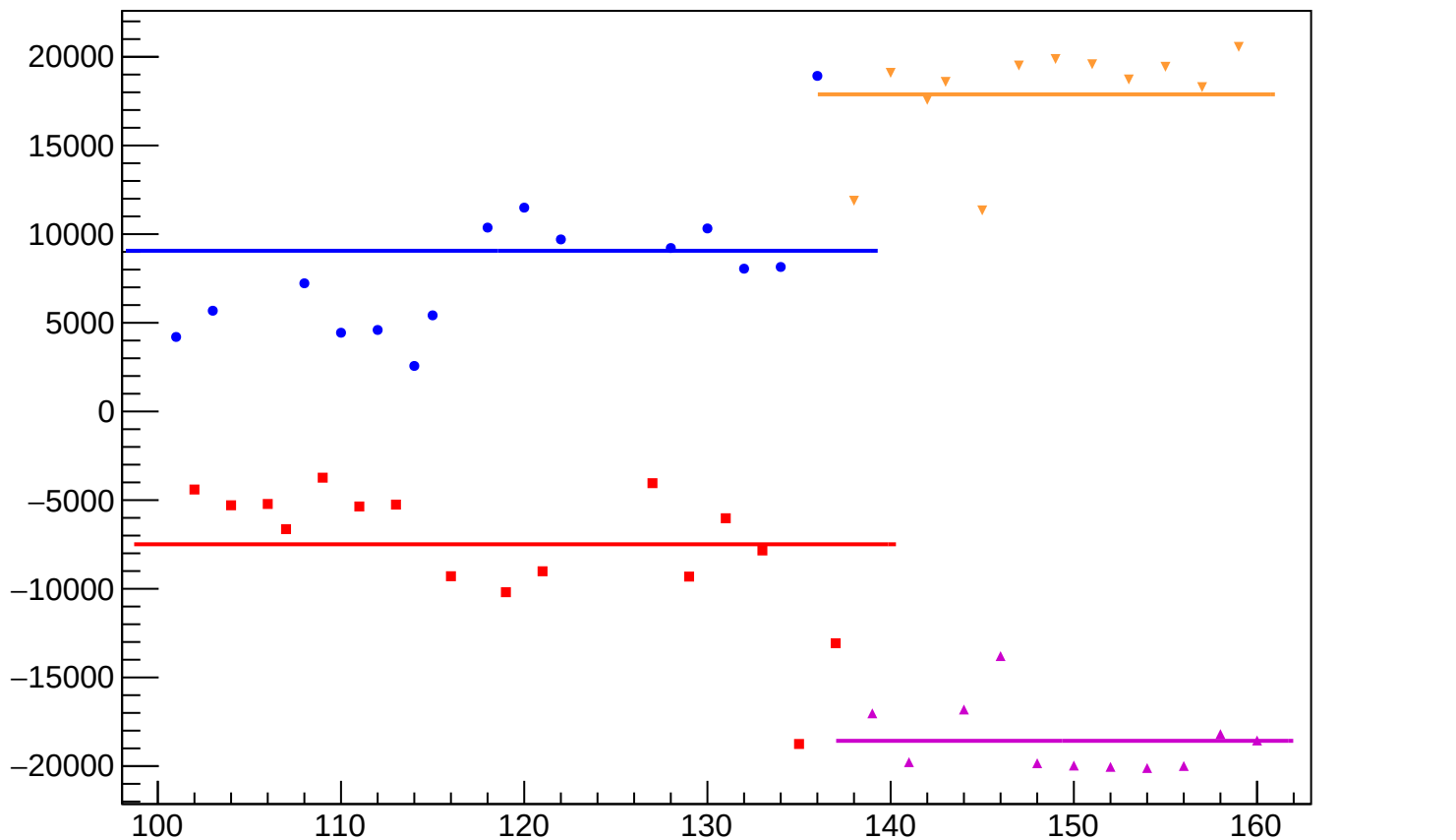
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

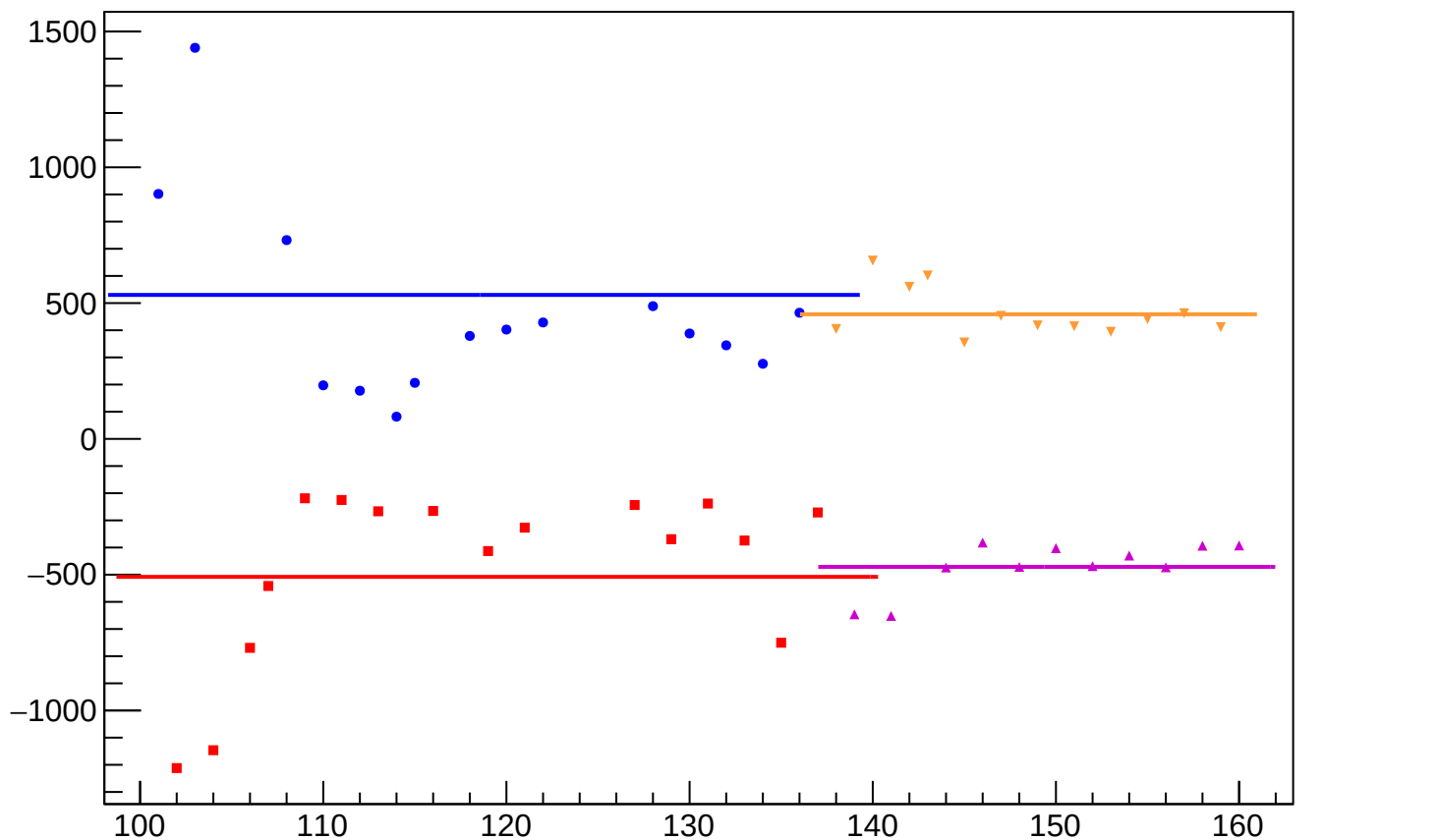
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710+/-0.000	χ^2/NDF : 13621066943114354594159252409175431446528.0/14	Left: -414.338+/-0.000	χ^2/NDF : 623213570824530
Left Out: 17884.828+/-0.000	χ^2/NDF : 8035777278860305028144675580255817170944.0/11	Right: 673.078+/-0.000	χ^2/NDF : 113857439938422
Right Out: -7490.147+/-0.000	χ^2/NDF : 10108202124204139932285006457388239159296.0/15	In: -7171.955+/-0.000	χ^2/NDF : 308190630431946
Left In: -18574.874+/-0.000	χ^2/NDF : 3371752936319538414648384836142763081728.0/10	Out: 7199.785+/-0.000	χ^2/NDF : 266772668705775
	All: 38.953+/-0.000		χ^2/NDF : 7379784691052

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



Right In: 530.057+/-0.000

χ^2/NDF : 78754676063063255524046471751880671232.0/14

Left Out: 458.806+/-0.000

χ^2/NDF : 6995521594489868747173366228733394944.0/11

Right Out: -507.987+/-0.000

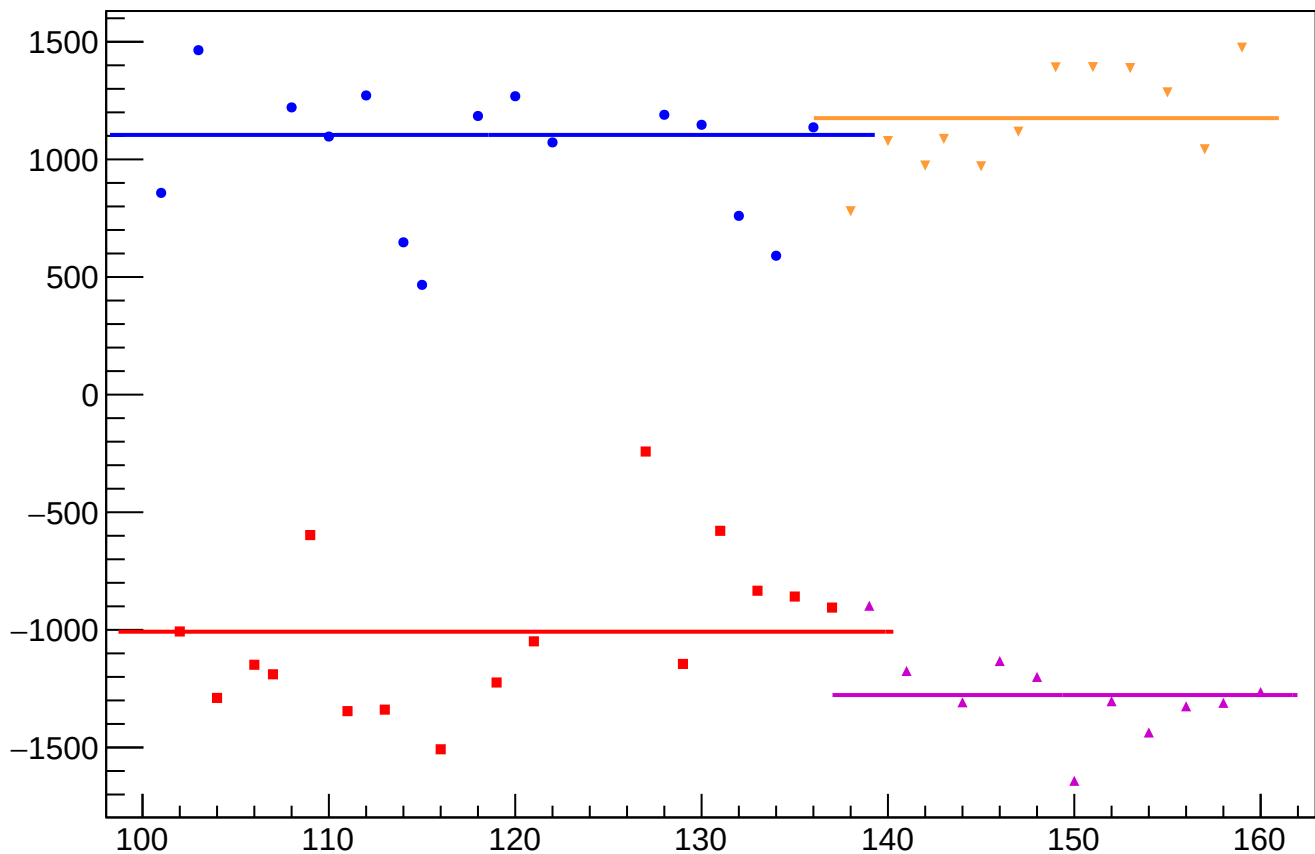
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -471.219+/-0.000

χ^2/NDF : 7445973219160336257467772011051745280.0/10

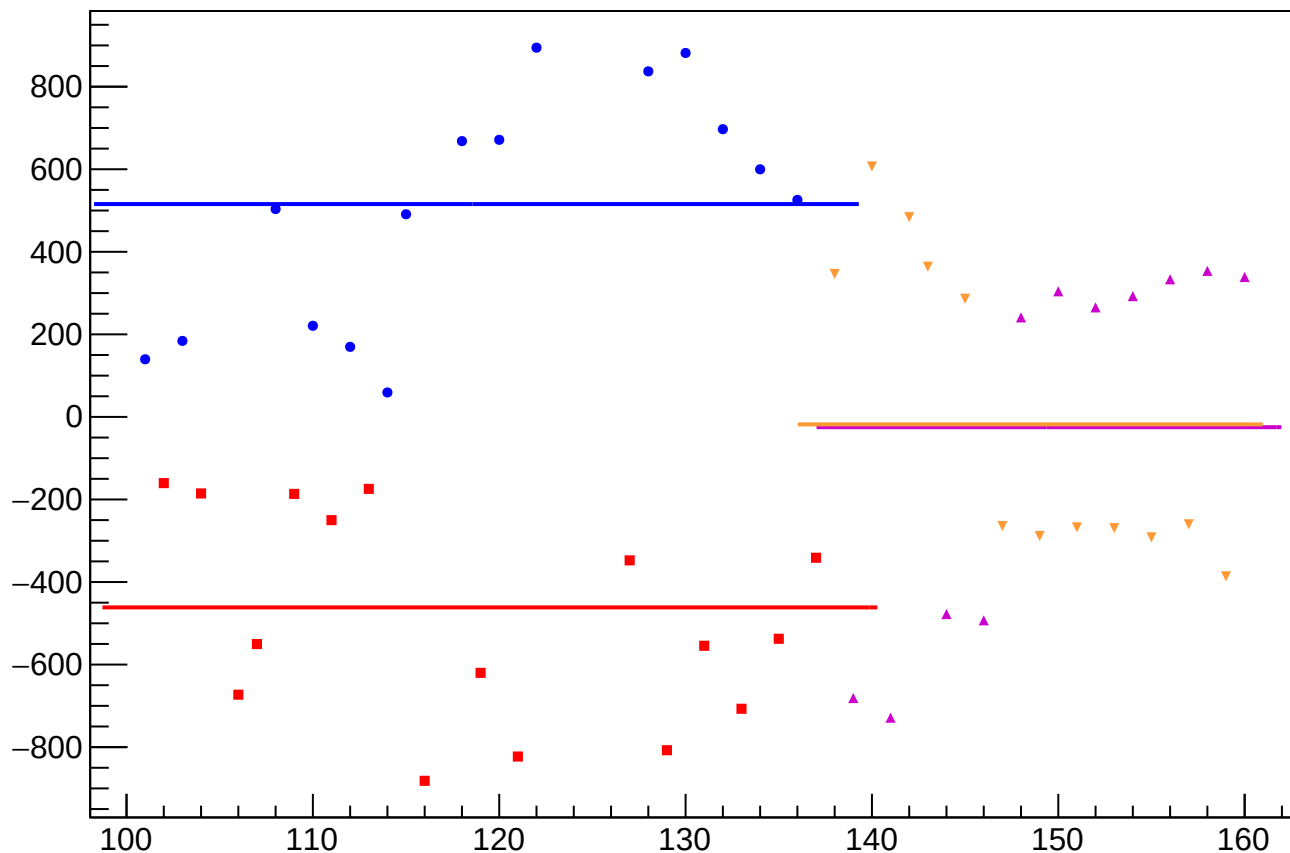
All: -3.010+/-0.000 χ^2/NDF : 9225241672117

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



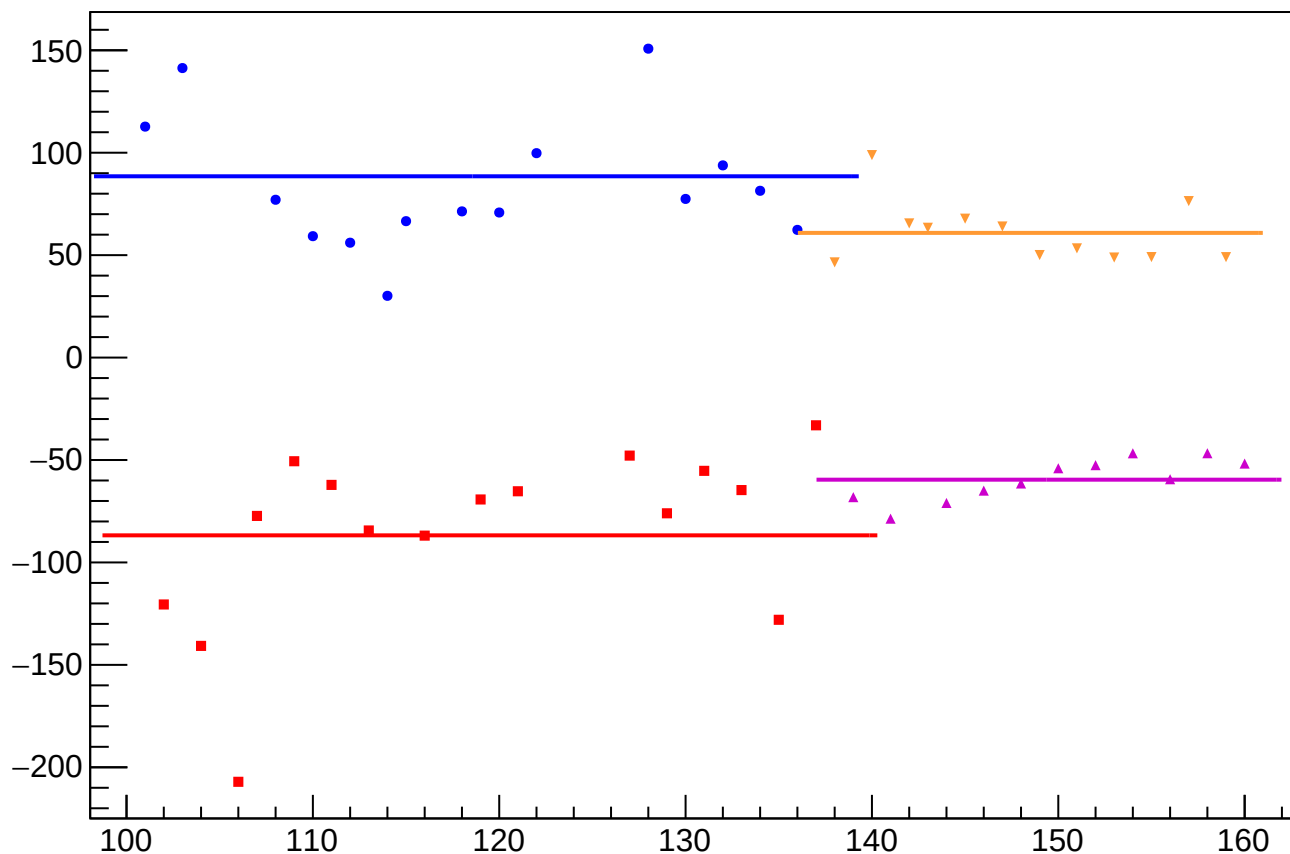
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_sam5_coil3_mean vs Slug, Sign Corrected



Left: -21.505 ± 0.000 $\chi^2/\text{NDF}: 2909516961812704$
 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: -18.086 ± 0.000 $\chi^2/\text{NDF}: 113760261442063078265103594368341639168.0/11$
 In: 198.120 ± 0.000 $\chi^2/\text{NDF}: 33702193102447450$
 Right Out: -461.497 ± 0.000 $\chi^2/\text{NDF}: 40473746660091355928063306884368564224.0/15$
 Out: -204.800 ± 0.000 $\chi^2/\text{NDF}: 230153328143066$
 Left In: -24.898 ± 0.000 $\chi^2/\text{NDF}: 177170083146066340419686697250307702784.0/10$
 All: -4.042 ± 0.000 $\chi^2/\text{NDF}: 6953040639809$

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493+/-0.000

χ^2/NDF : 643231155193035512625817963208900608.0/14

Left Out: 60.867+/-0.000

χ^2/NDF : 208334830420842687698000766503485440.0/11

Right Out: -86.773+/-0.000

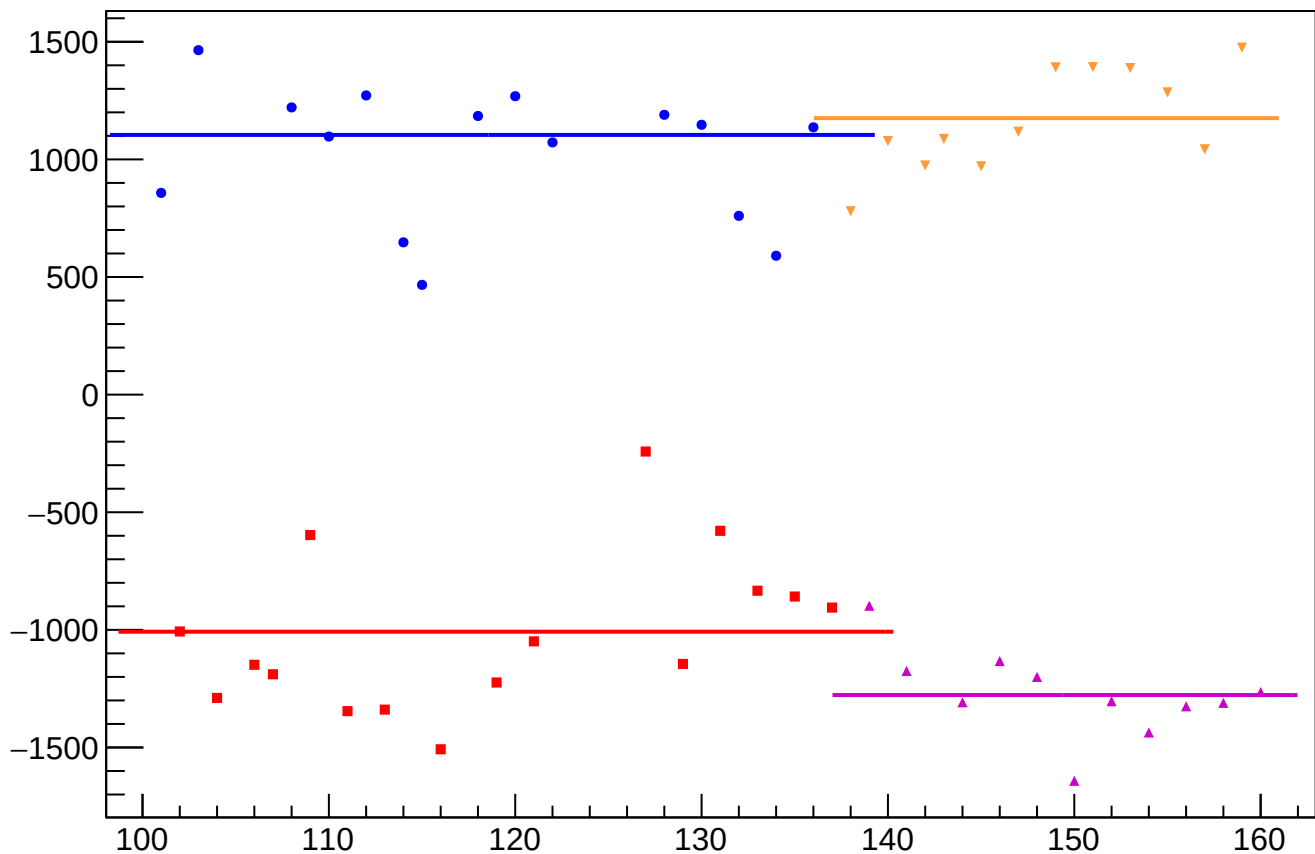
χ^2/NDF : 1059206766314086021240525003228708864.0/15

Left In: -59.604+/-0.000

χ^2/NDF : 90862625181985664375323463168032768.0/10

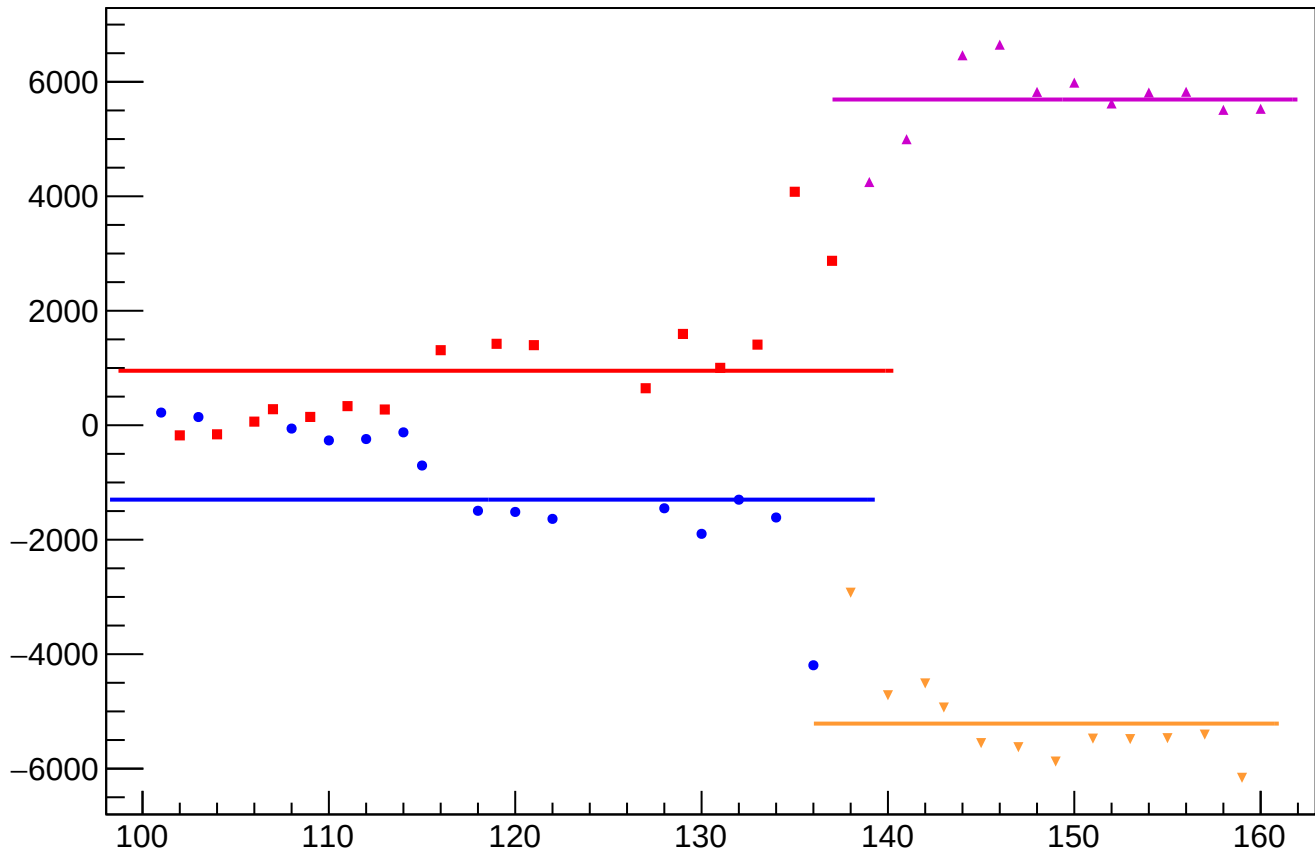
All: 0.093+/-0.000 χ^2/NDF : 18786182207074

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 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: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5213.053+/-0.000

Right Out: 951.903+/-0.000

Left In: 5690.941+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 607024723474712138909900039656470216704.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 355774620722948866968040460749891436544.0/10

Left: 259.674+/-0.000 χ^2/NDF : 5568438689423430

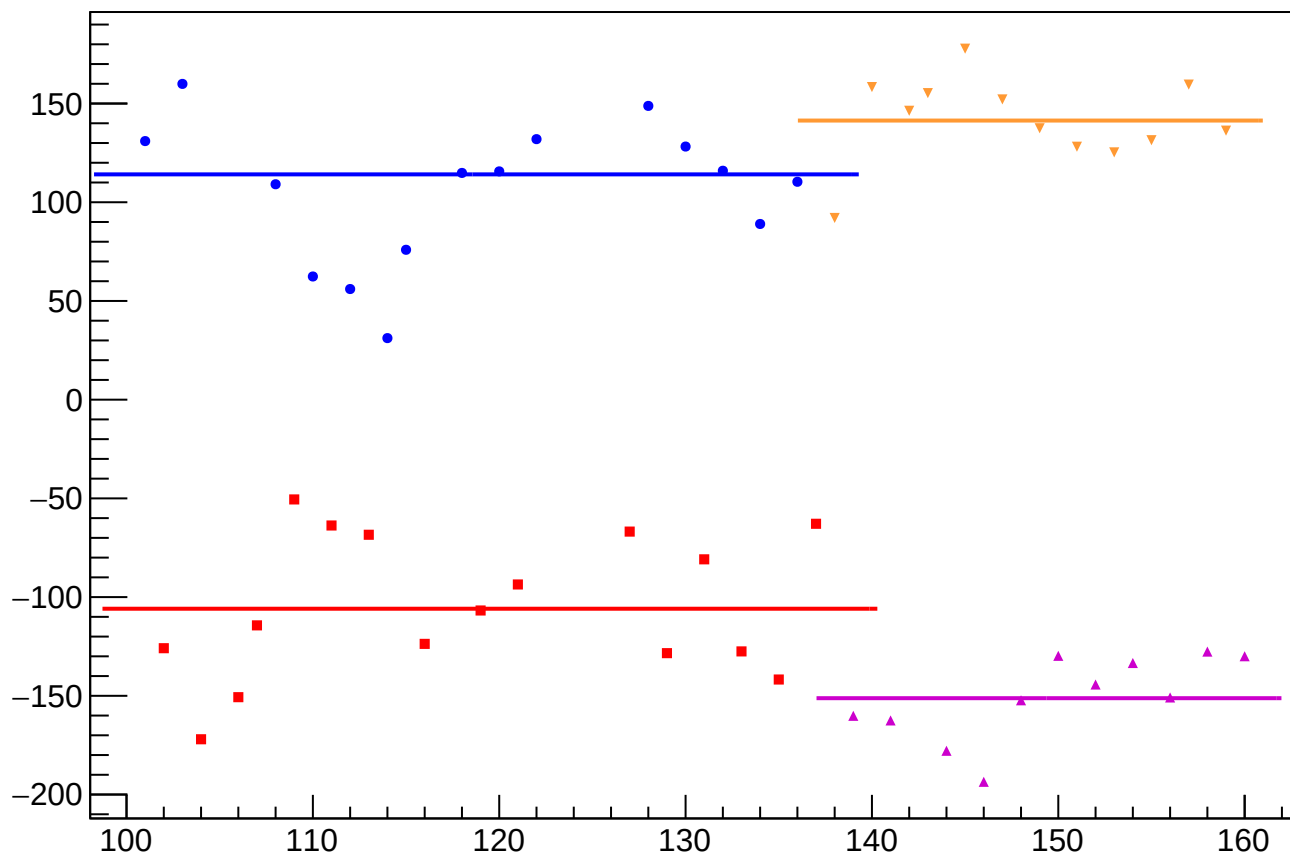
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2617.077+/-0.000 χ^2/NDF : 16124078025382

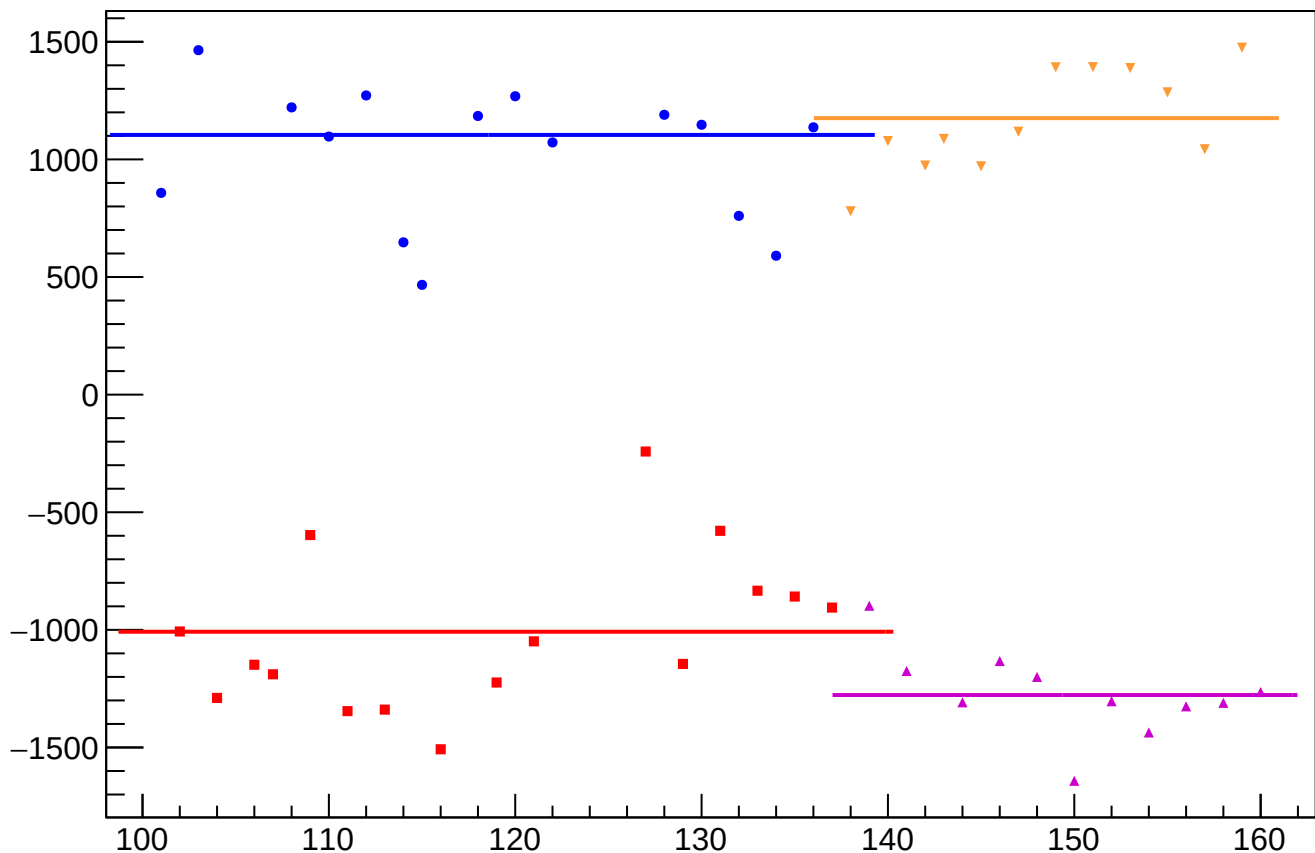
All: 85.316+/-0.000 χ^2/NDF : 5952754065640

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



Right In: 114.118 ± 0.000 $\chi^2/\text{NDF}: 607226770891525118881736460452495360.0/14$
 Left Out: 141.380 ± 0.000 $\chi^2/\text{NDF}: 416963026310292285514058989674954752.0/11$
 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: -2.101 ± 0.000 $\chi^2/\text{NDF}: 5762903139484$

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

Left Out: 1175.478+/-0.000

Right Out: -1007.906+/-0.000

Left In: -1277.097+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

χ^2/NDF : 39966991584790626200337106489810354176.0/11

χ^2/NDF : 69077878009873965622695939627477368832.0/15

χ^2/NDF : 29578729901602647998073818936097374208.0/10

Left: -55.473+/-0.000 χ^2/NDF : 2837966684325657

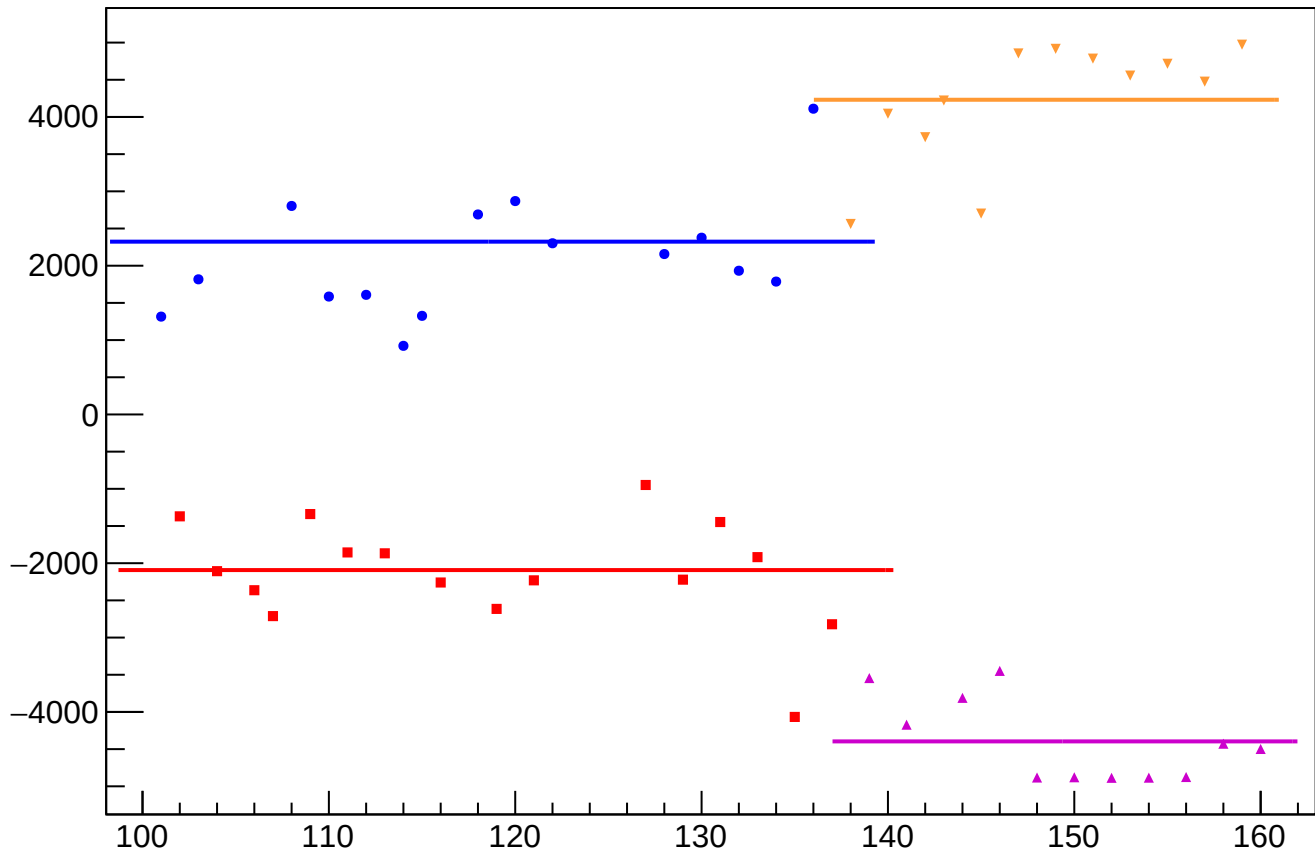
Right: 33.659+/-0.000 χ^2/NDF : 1569083056347410

In: -294.641+/-0.000 χ^2/NDF : 2223953426306853

Out: 256.086+/-0.000 χ^2/NDF : 1949816522076708

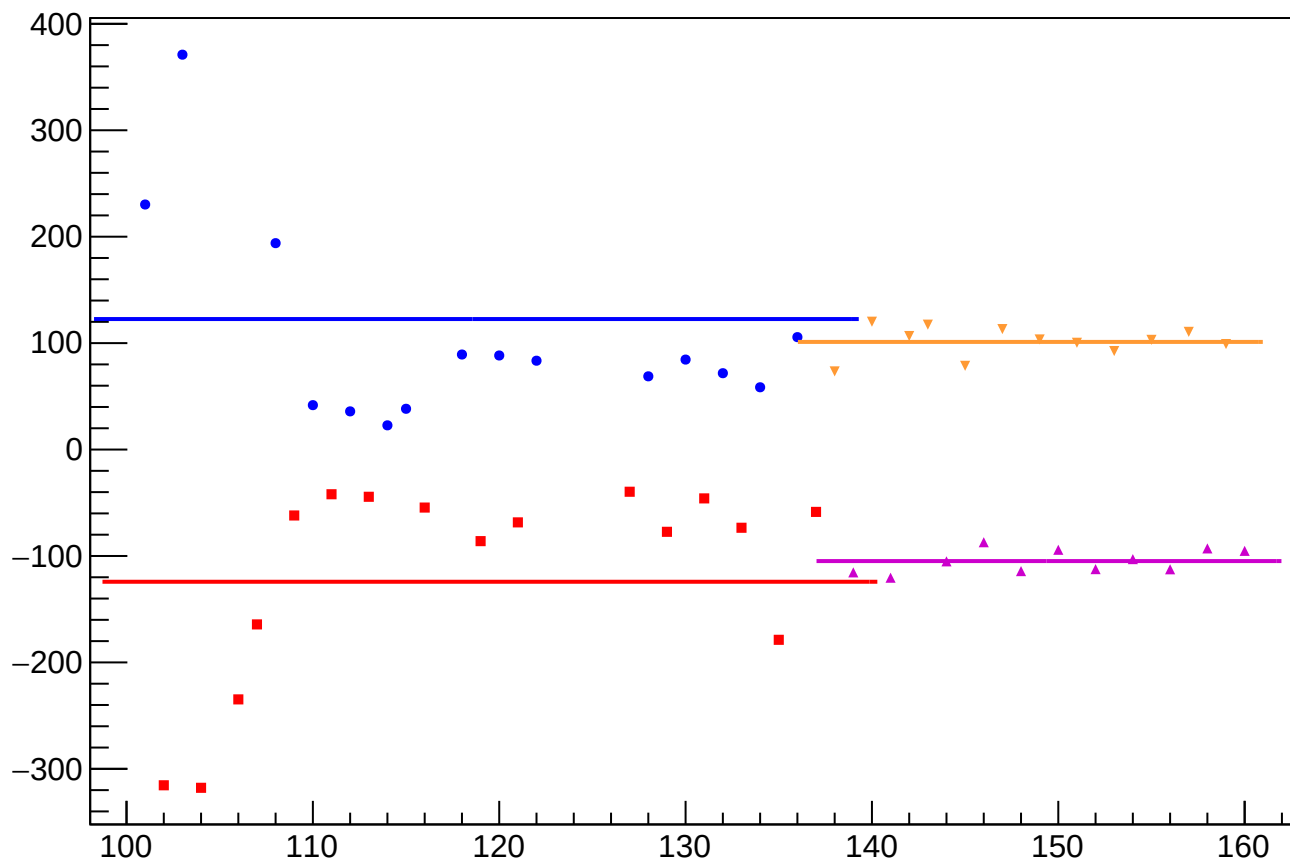
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam7_coil3_mean vs Slug, Sign Corrected



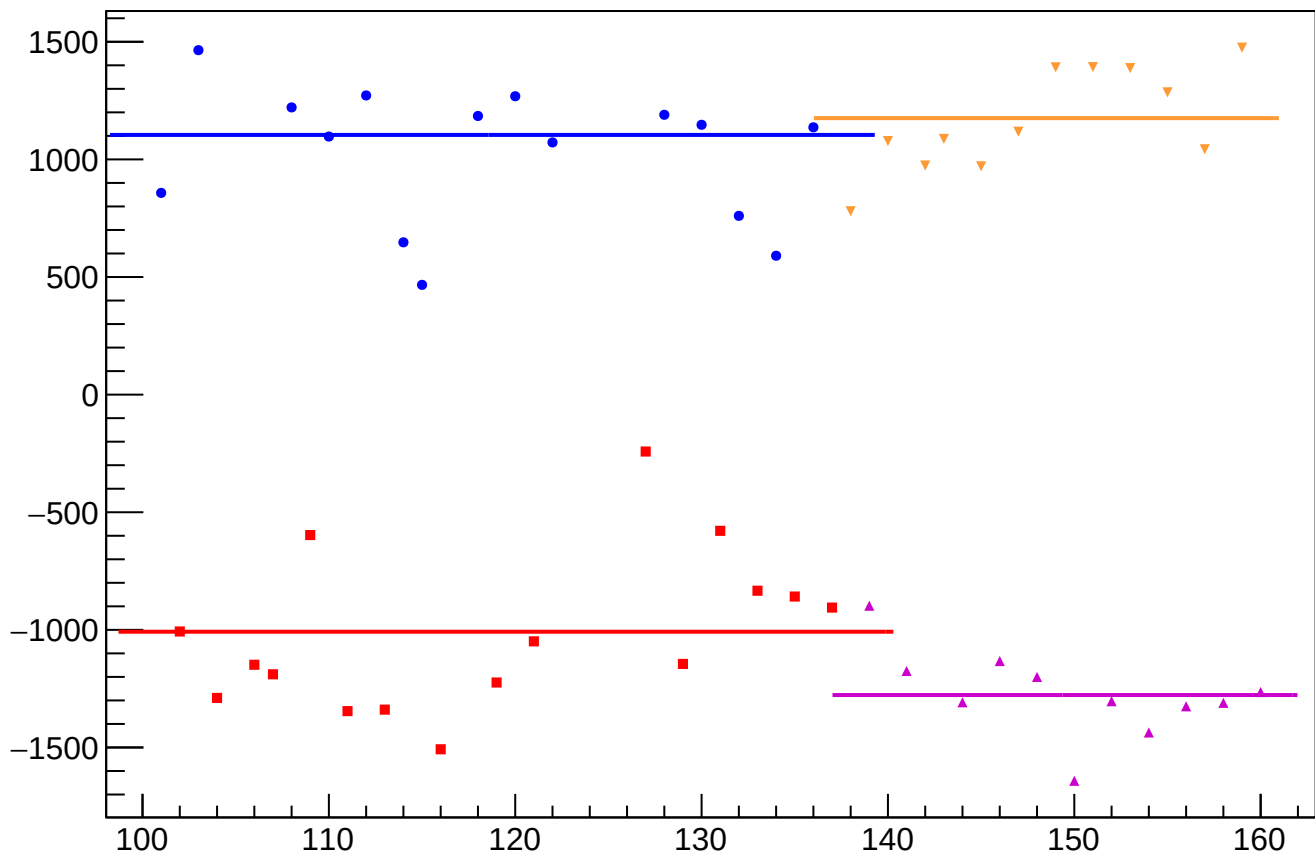
Right In: 2323.372 $\pm$ 0.000 χ^2 /NDF: 476371189888349375964725620757728591872.0/14
 Left Out: 4231.380 $\pm$ 0.000 χ^2 /NDF: 591264758783455505140129278309664030720.0/11
 Right Out: -2092.458 $\pm$ 0.000 χ^2 /NDF: 367126080872166122663684022473339174912.0/15
 Left In: -4396.069 $\pm$ 0.000 χ^2 /NDF: 270326441631367265143713722564756897792.0/10
 All: -22.044 $\pm$ 0.000 χ^2 /NDF: 424024658110

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



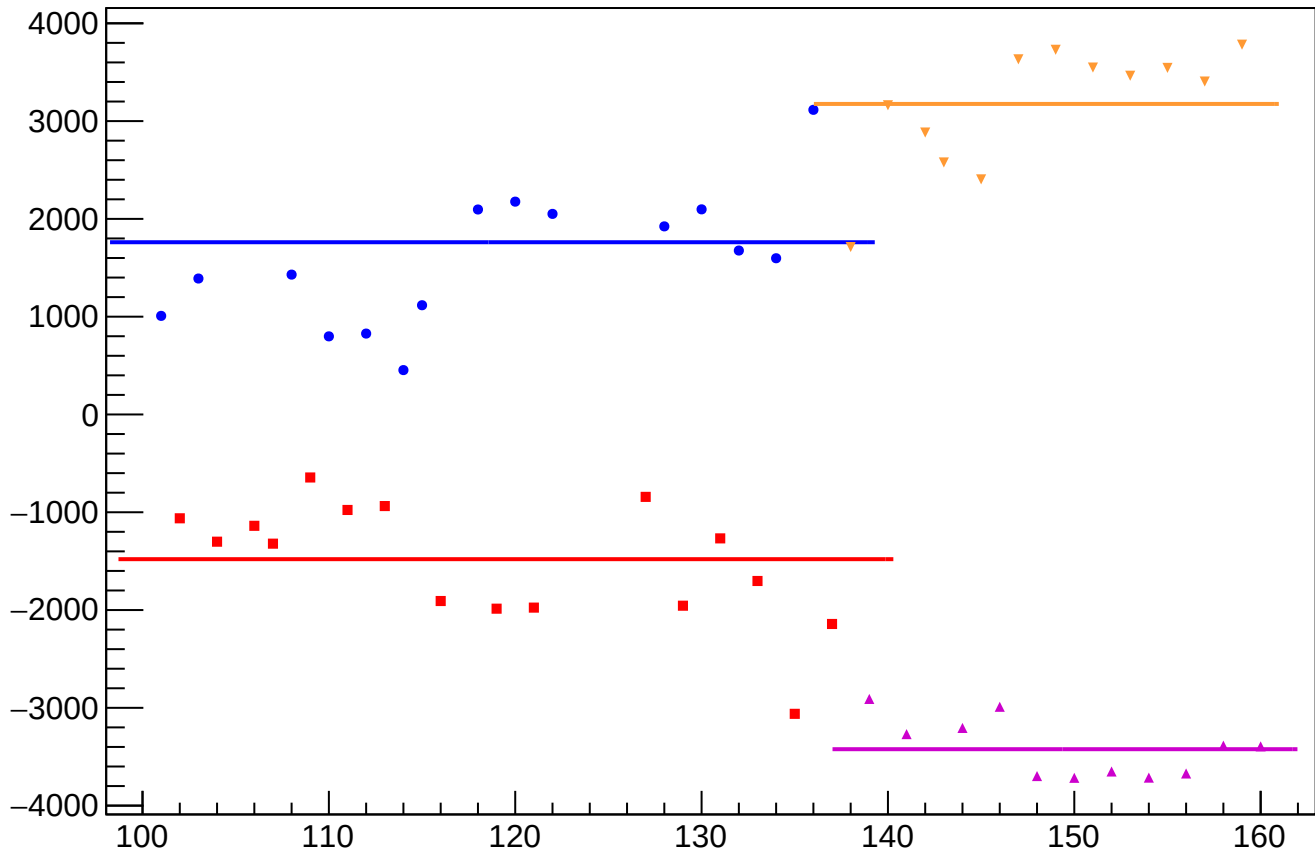
Right In: 122.622 $\pm$ 0.000 χ^2 /NDF: 5937504661187691145903235842749497344.0/14
 Left Out: 101.138 $\pm$ 0.000 χ^2 /NDF: 175111456477451966804115550397005824.0/11
 Right Out: -124.216 $\pm$ 0.000 χ^2 /NDF: 6549627589629012958791202941129719808.0/15
 Left In: -104.786 $\pm$ 0.000 χ^2 /NDF: 102013785381333837493435451846950912.0/10
 All: -2.328 $\pm$ 0.000 χ^2 /NDF: 5232289579930

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



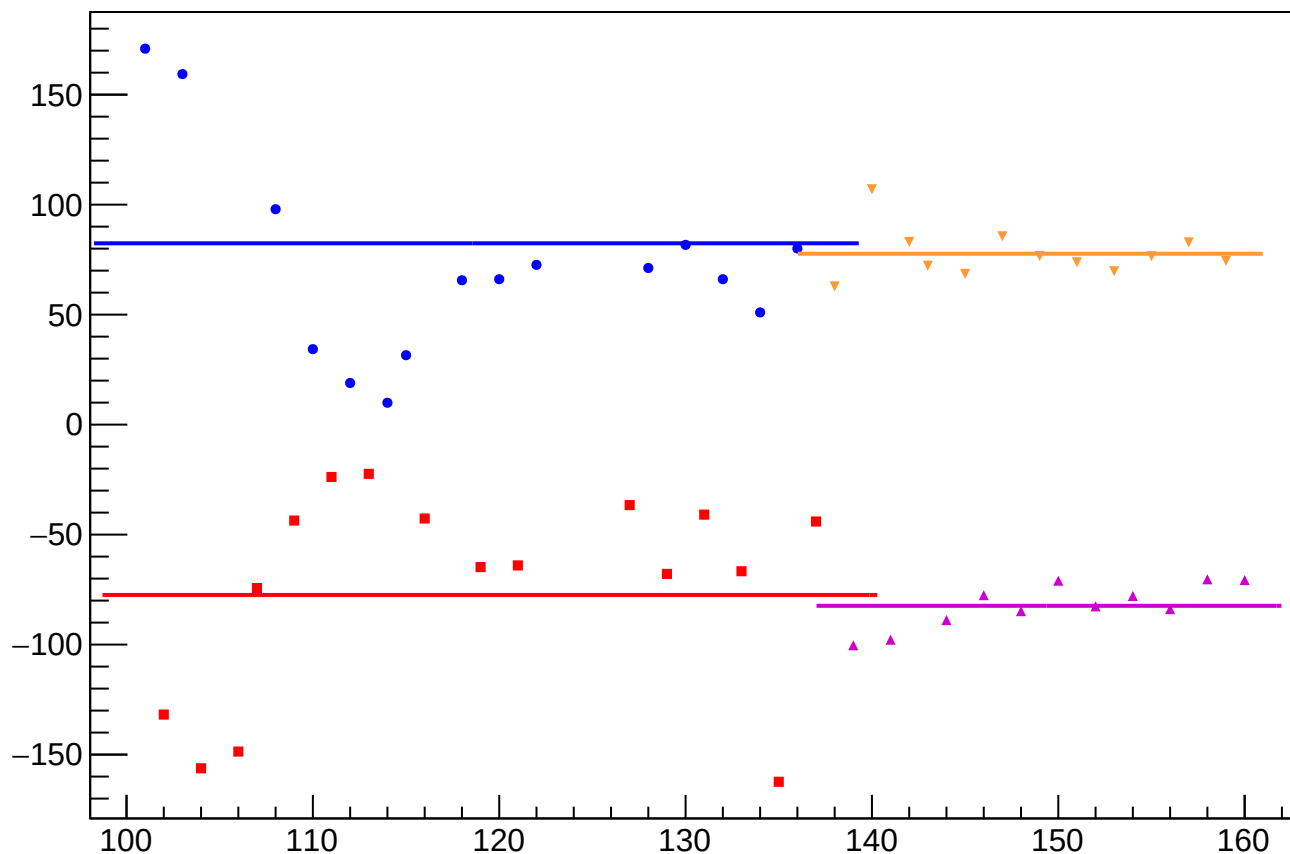
Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.473+/-0.000	χ^2/NDF : 2837966684325657
Left Out: 1175.478+/-0.000	χ^2/NDF : 39966991584790626200337106489810354176.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.086+/-0.000	χ^2/NDF : 1949816522076708
	All: -18.318+/-0.000		χ^2/NDF : 441314646270

dit_sam8_coil3_mean vs Slug, Sign Corrected



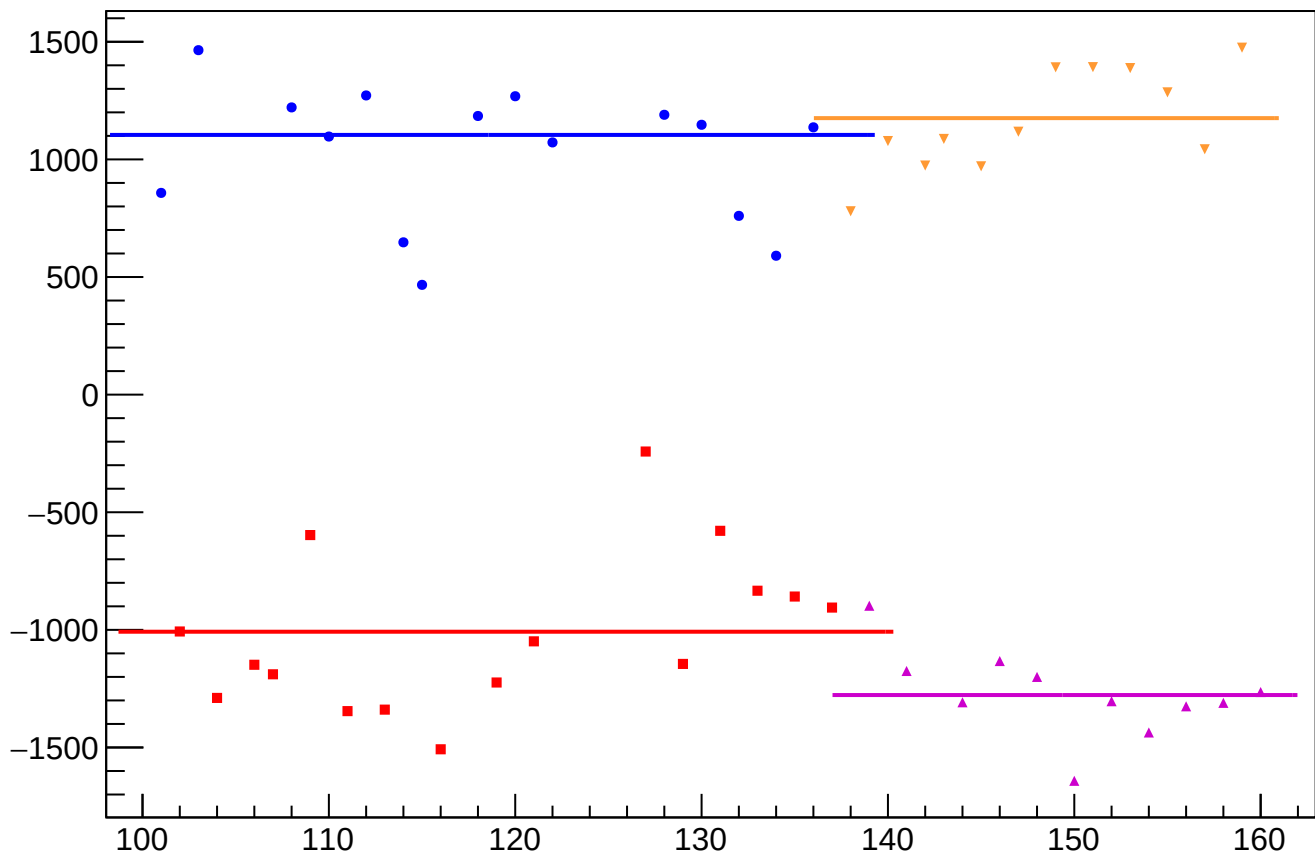
Right In: 1761.245 $\pm$ 0.000 χ^2 /NDF: 332206925976055306953064744993096204288.0/14
 Left Out: 3175.502 $\pm$ 0.000 χ^2 /NDF: 347291191980203589558827802227239813120.0/11
 Right Out: -1479.801 $\pm$ 0.000 χ^2 /NDF: 263467768134780968832551238609236131840.0/15
 Left In: -3423.018 $\pm$ 0.000 χ^2 /NDF: 7453703884208882463869581727568494592.0/10
 All: -30.064 $\pm$ 0.000 χ^2 /NDF: 245618505677

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



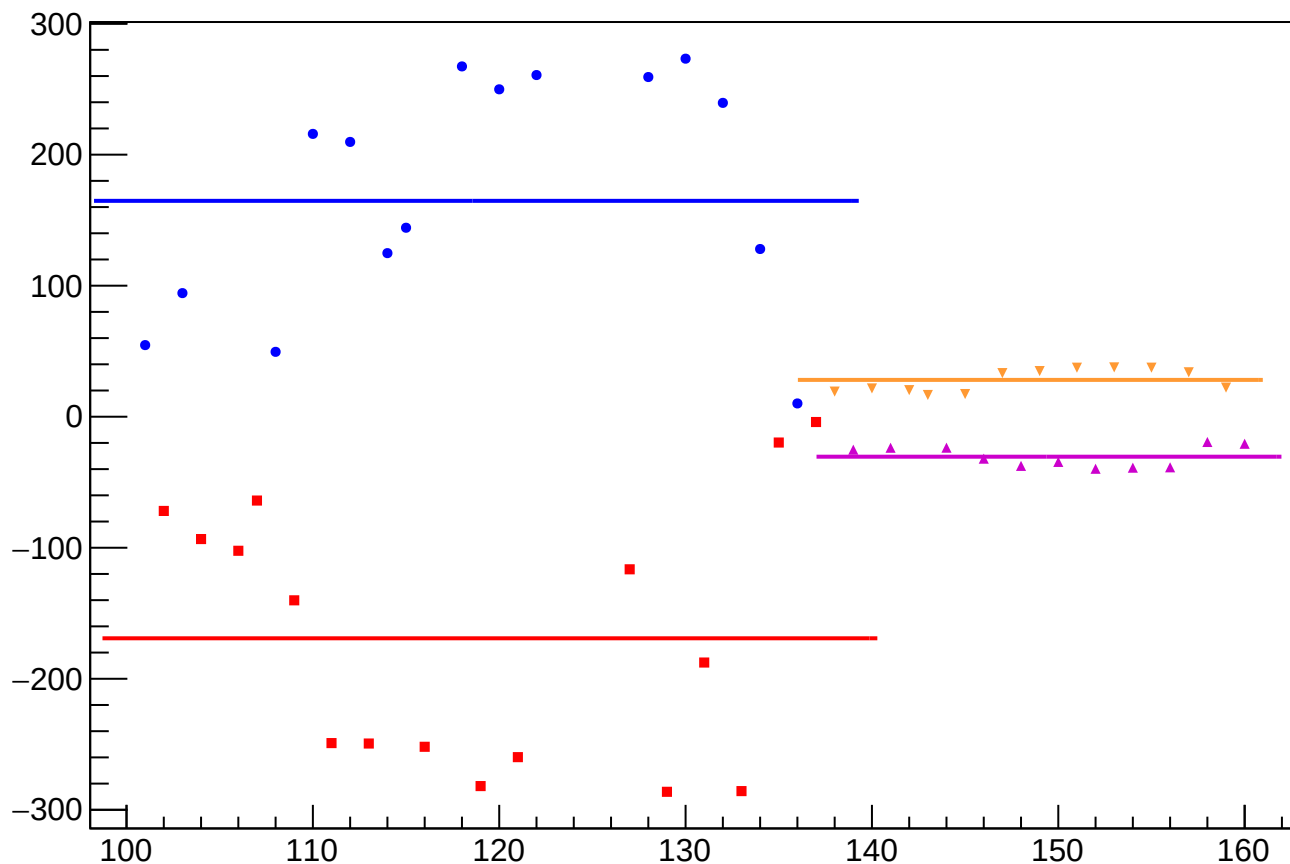
Right In: 82.422+/-0.000 χ^2/NDF : 1263633347129443757477527241185296384.0/14
 Left Out: 77.672+/-0.000 χ^2/NDF : 112359425970115396973191851205984256.0/11
 Right Out: -77.430+/-0.000 χ^2/NDF : 1515456409368458038568290276111024128.0/15
 Left In: -82.361+/-0.000 χ^2/NDF : 88160536769186096496846966890692608.0/10
 All: -0.960+/-0.000 χ^2/NDF : 2318460638265

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



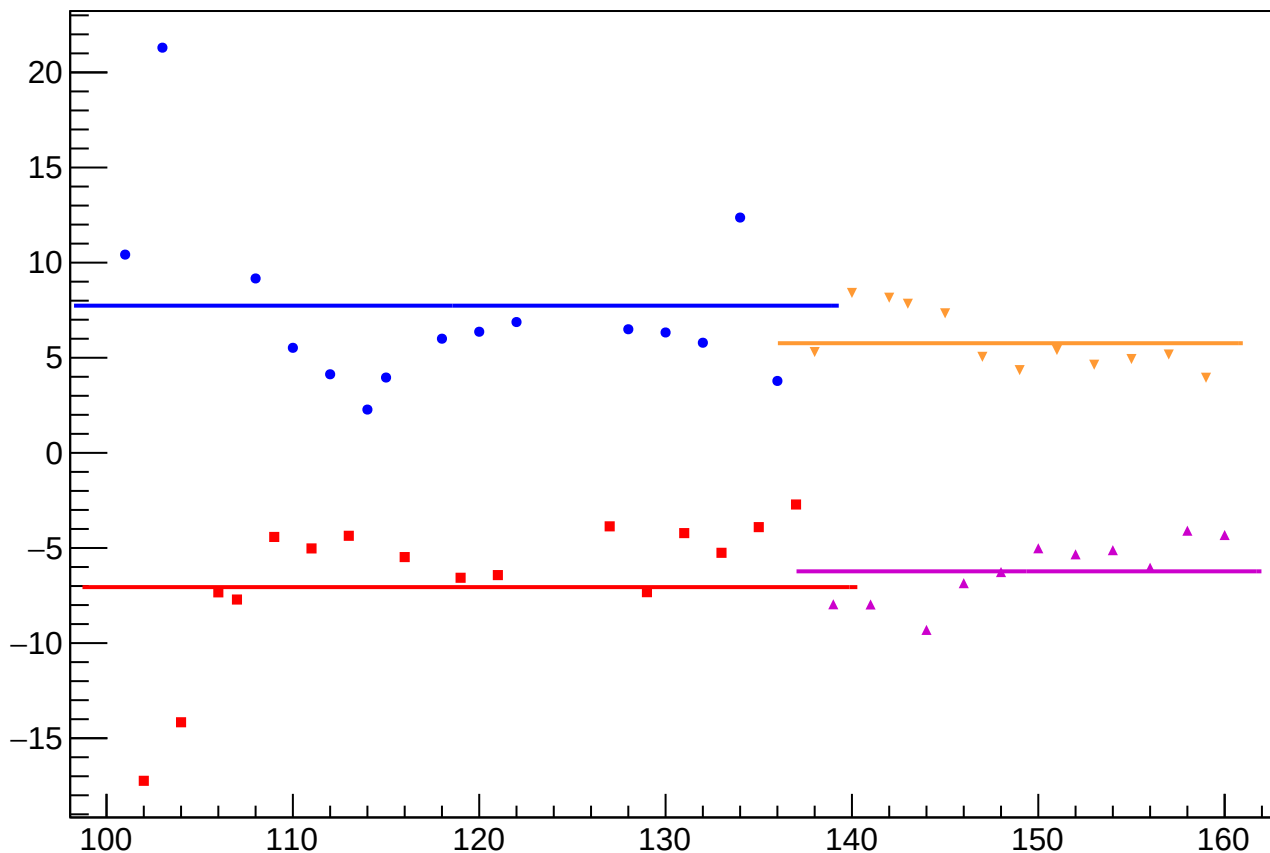
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_4aX_coil7_mean vs Slug, Sign Corrected



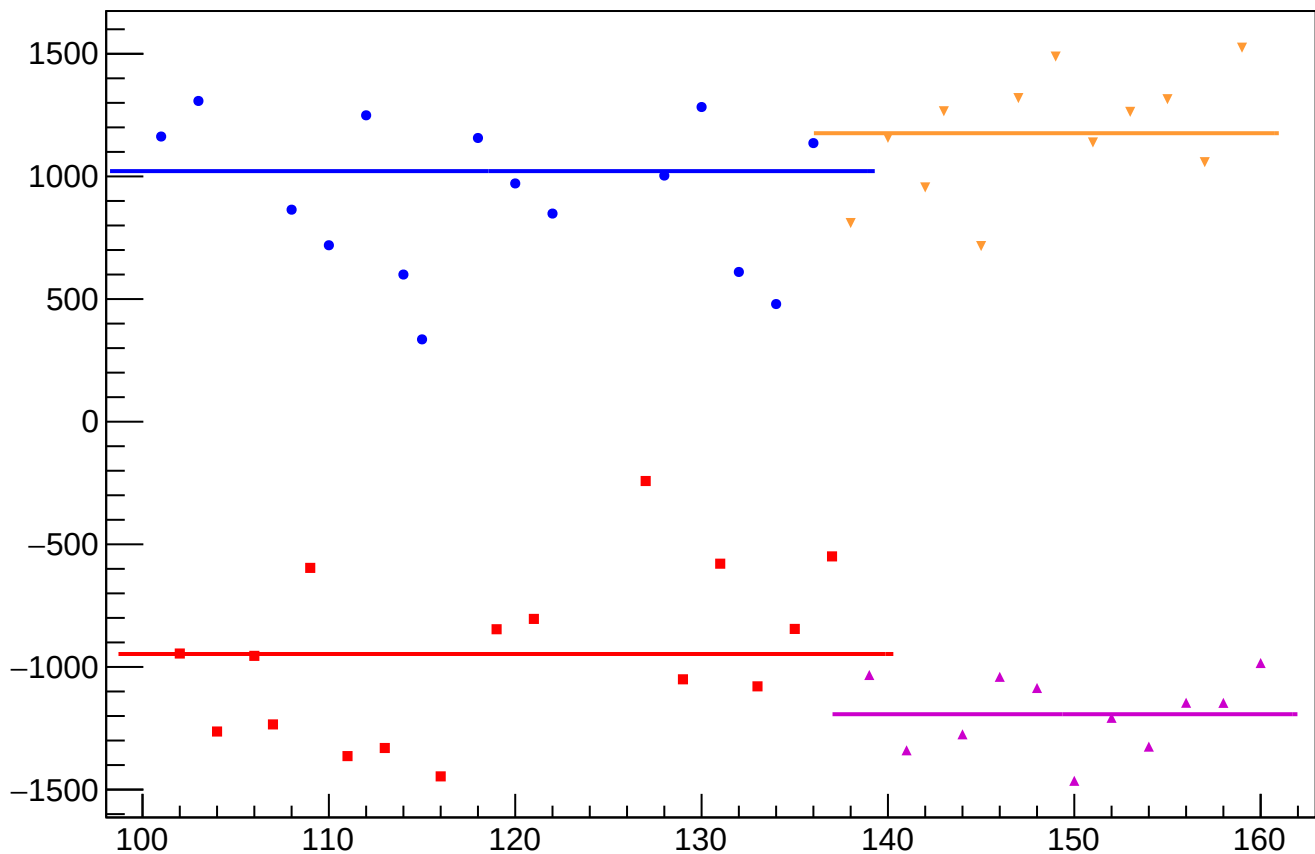
Left: -1.315 ± 0.000 $\chi^2/\text{NDF}: 16969654131032672$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.100 ± 0.000 $\chi^2/\text{NDF}: 63517357309911090447070669792346112.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 50.054 ± 0.000 $\chi^2/\text{NDF}: 209572439496556085$
 Out: -54.941 ± 0.000 $\chi^2/\text{NDF}: 2112137881381696$
 Left In: -30.507 ± 0.000 $\chi^2/\text{NDF}: 52600700148274049801586699671699456.0/10$
 All: -2.626 ± 0.000 $\chi^2/\text{NDF}: 5077924344541$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.738+/-0.000 χ^2/NDF : 15127215479234506007469492768079872.0/14
 Left Out: 5.764+/-0.000 χ^2/NDF : 2014473932574383690261327211659264.0/11
 Right Out: -7.057+/-0.000 χ^2/NDF : 11292441204139394792341242753581056.0/15
 Left In: -6.228+/-0.000 χ^2/NDF : 2331911751655733809355489024147456.0/10
 All: -0.049+/-0.000 χ^2/NDF : 1691437180051

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

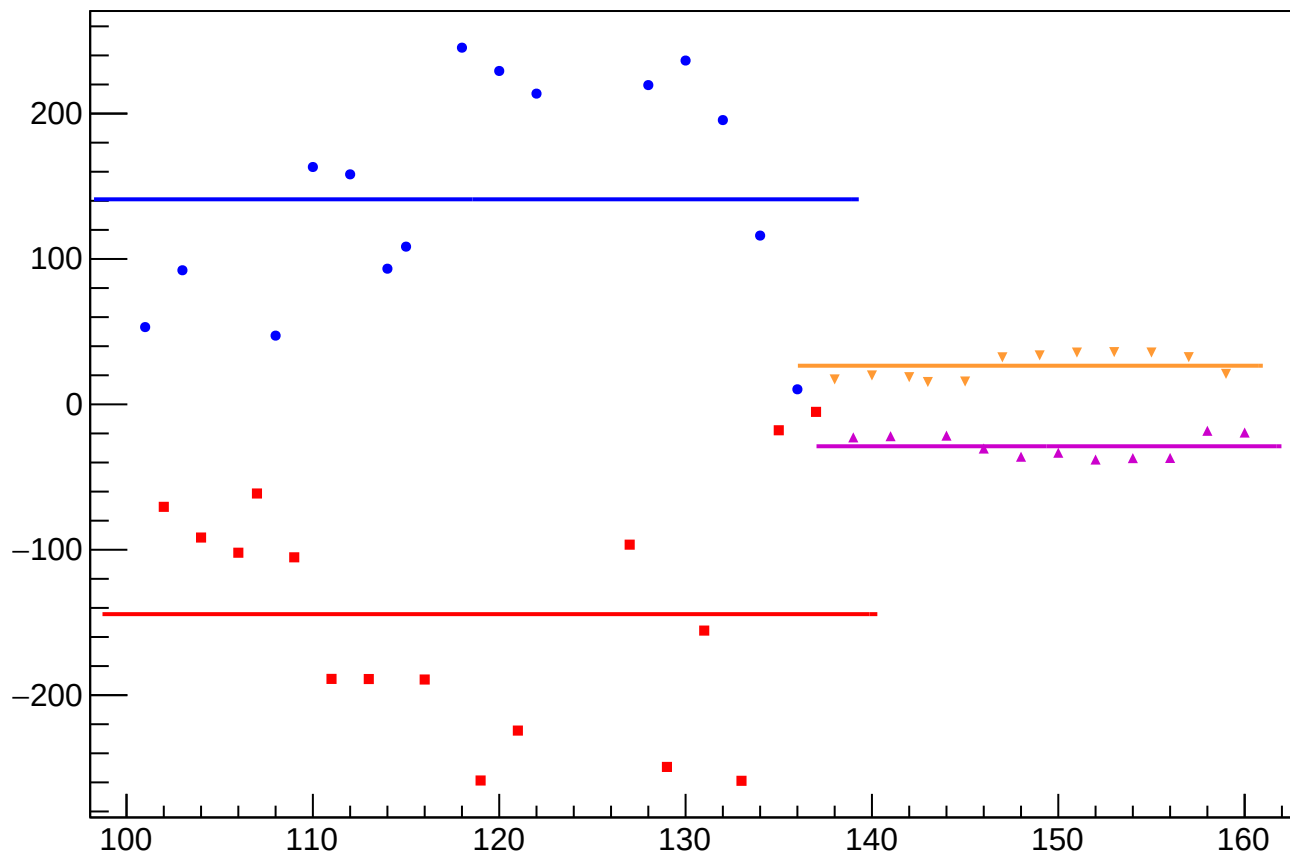
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

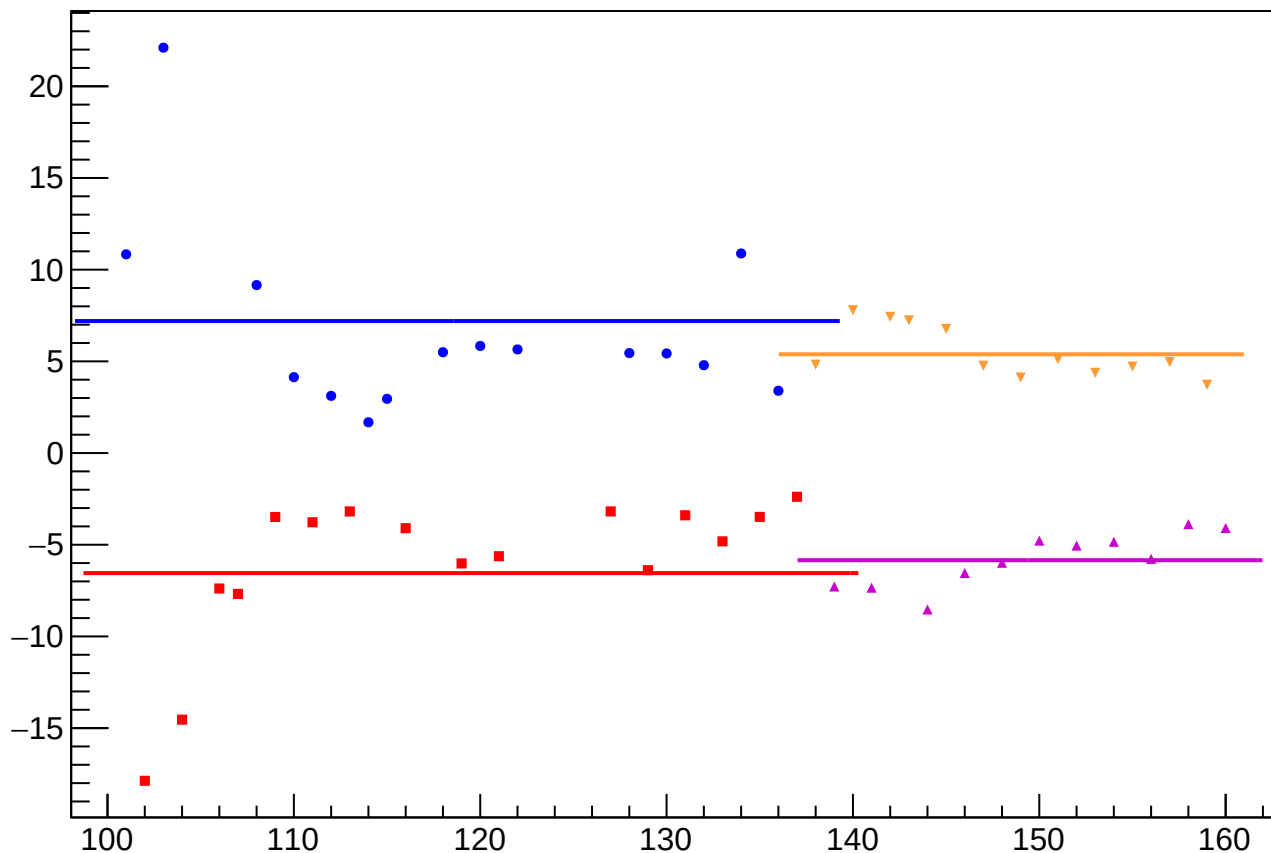
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_4eX_coil7_mean vs Slug, Sign Corrected



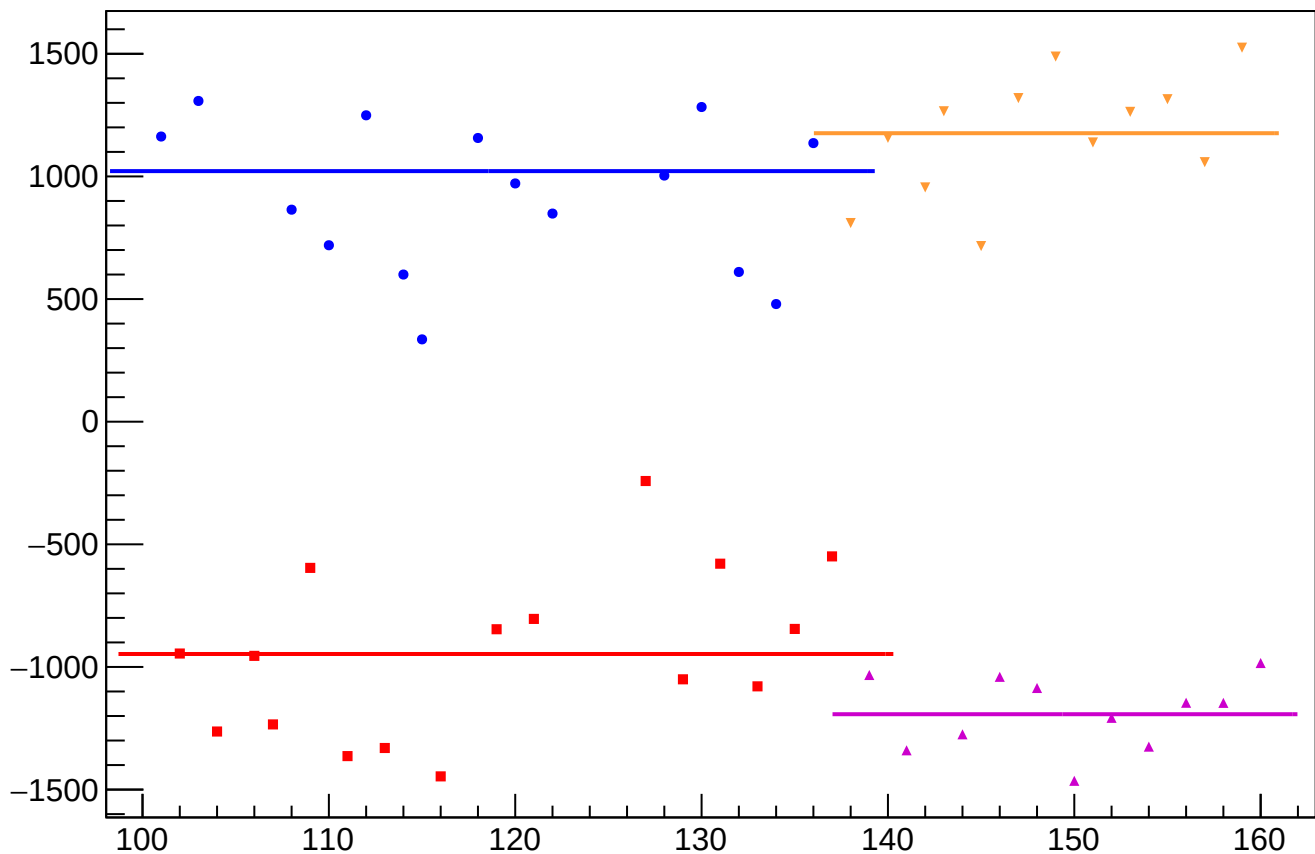
Left: -1.223 ± 0.000 $\chi^2/\text{NDF}: 15286596958341746$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Left Out: 26.582 ± 0.000 $\chi^2/\text{NDF}: 63880546932393658050614652141830144.0/11$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 Left In: -28.817 ± 0.000 $\chi^2/\text{NDF}: 52309797532132393990553277307027456.0/10$
 All: -2.204 ± 0.000 $\chi^2/\text{NDF}: 3708629931644$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



Left: -0.250 ± 0.000 χ^2/NDF : 61475661357383771
 Right In: 7.198 ± 0.000 χ^2/NDF : 18212640728502785337831966963138560.0/14
 Right: 0.232 ± 0.000 χ^2/NDF : 94430884745367791
 Left Out: 5.387 ± 0.000 χ^2/NDF : 1602138249882478814835943843823616.0/11
 In: -0.463 ± 0.000 χ^2/NDF : 848816588920174735
 Right Out: -6.547 ± 0.000 χ^2/NDF : 14078912505116068936230809834094592.0/15
 Out: 0.362 ± 0.000 χ^2/NDF : 706663697105206630
 Left In: -5.843 ± 0.000 χ^2/NDF : 1832786837102707862400537806766080.0/10
 All: -0.049 ± 0.000 χ^2/NDF : 1560843650902

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1176.242 $\pm$ 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: 53355525796592022882385023198883217408.0/11

χ^2 /NDF: 67784656011936521511169668028018196480.0/15

χ^2 /NDF: 19255287383728205662654022867381911552.0/10

Left: -12.726 $\pm$ 0.000 χ^2 /NDF: 2655416452338642

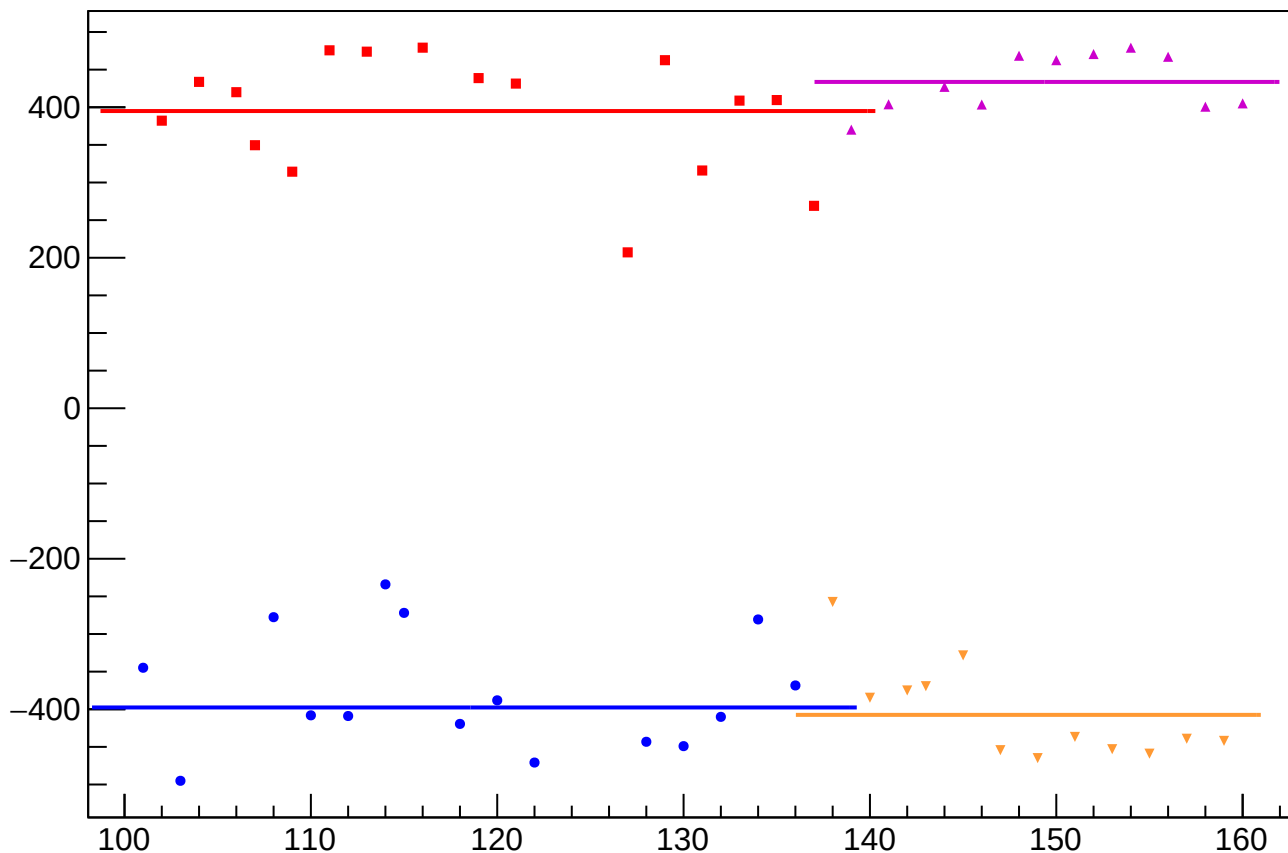
Right: 23.805 $\pm$ 0.000 χ^2 /NDF: 1383338523153511

In: -279.065 $\pm$ 0.000 χ^2 /NDF: 1929090788254319

Out: 282.114 $\pm$ 0.000 χ^2 /NDF: 1862139150205248

All: 2.502 $\pm$ 0.000 χ^2 /NDF: 40397791098983

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

Left Out: -407.457+/-0.000

χ^2/NDF : 3530254490804072685015705910637494272.0/11

Right Out: 394.973+/-0.000

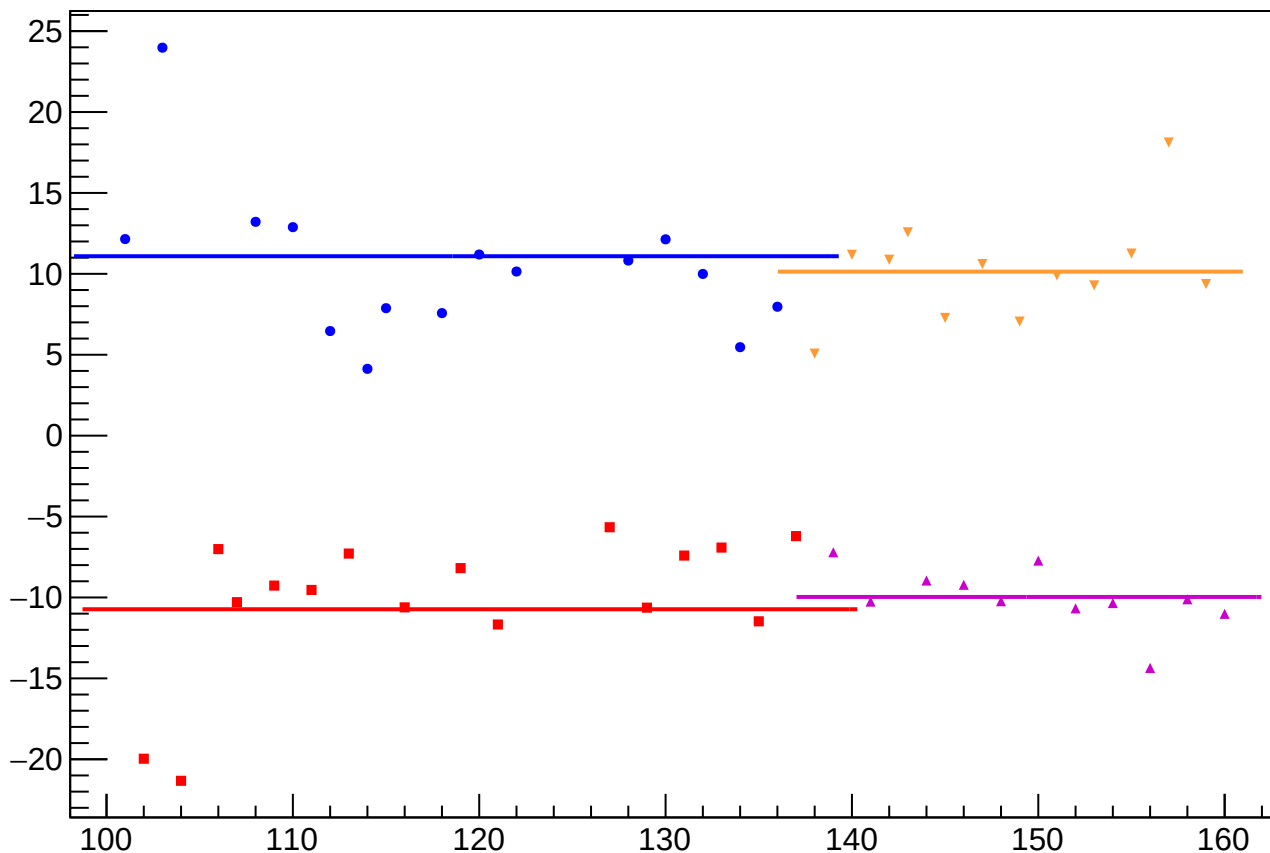
χ^2/NDF : 3685595513427183501596165280874102784.0/15

Left In: 433.664+/-0.000

χ^2/NDF : 1198237421385461104687495484599697408.0/10

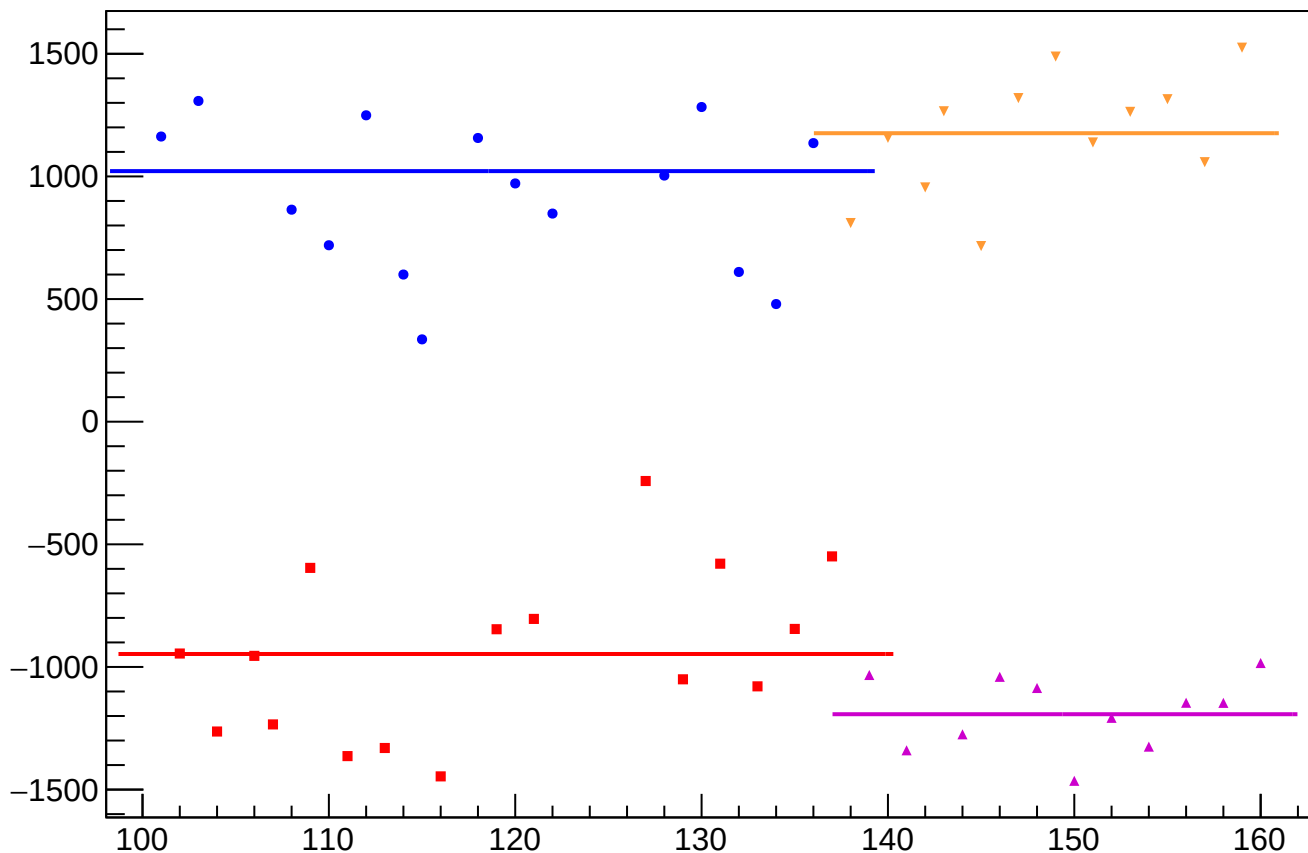
All: 10.283+/-0.000 χ^2/NDF : 5434132132493

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 11.089 ± 0.000 $\chi^2/\text{NDF}: 14235991122014984478163351266918400.0/14$
 Left Out: 10.137 ± 0.000 $\chi^2/\text{NDF}: 9233961900502442042562315288576000.0/11$
 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 $\chi^2/\text{NDF}: 38375780972276$

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 1925528738372820562654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

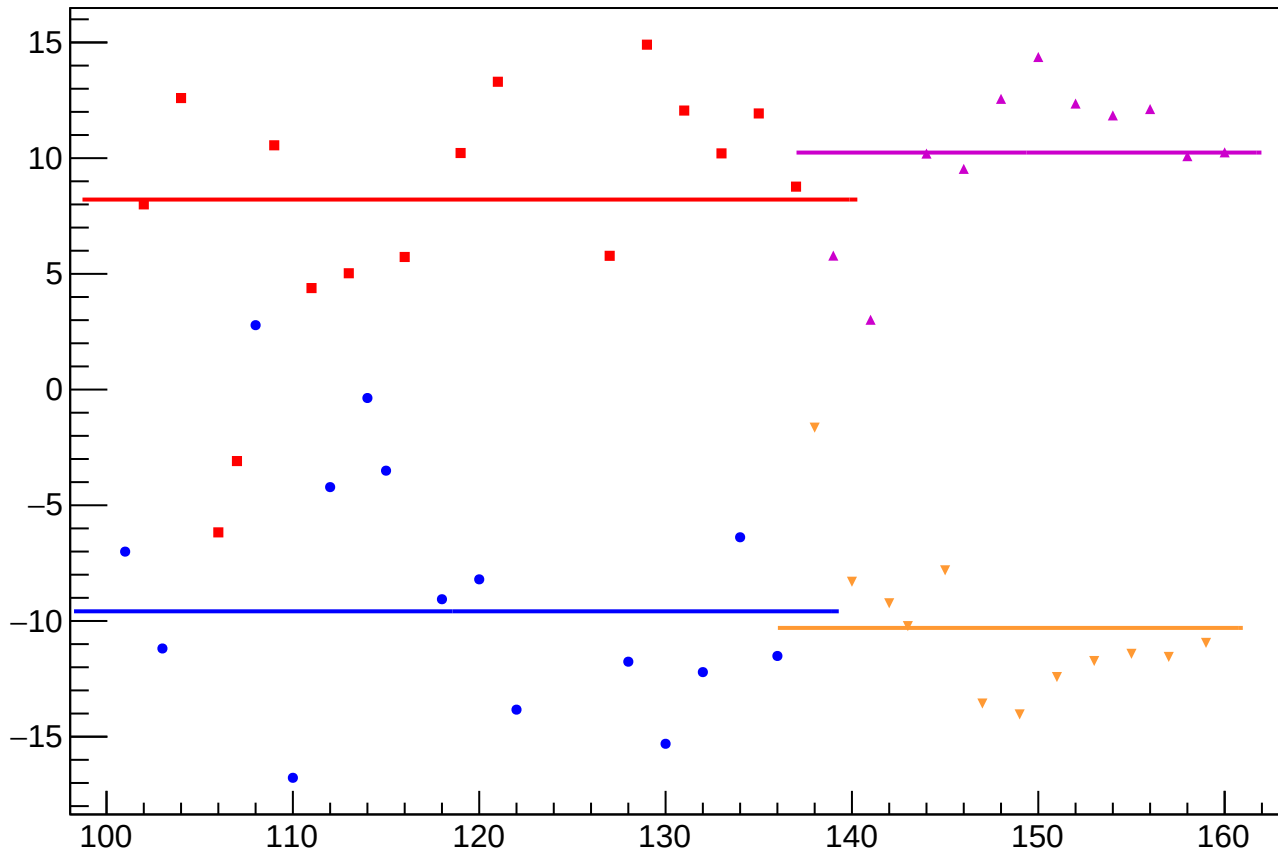
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.582+/-0.000

χ^2/NDF : 14702679983940002820806471963377664.0/14

Left Out: -10.300+/-0.000

χ^2/NDF : 9506877601099056155644993577418752.0/11

Right Out: 8.211+/-0.000

χ^2/NDF : 18304237293835961465605754204454912.0/15

Left In: 10.241+/-0.000

χ^2/NDF : 8992829088408430483485977772818432.0/10

Left: 0.010+/-0.000 χ^2/NDF : 212694162035822707

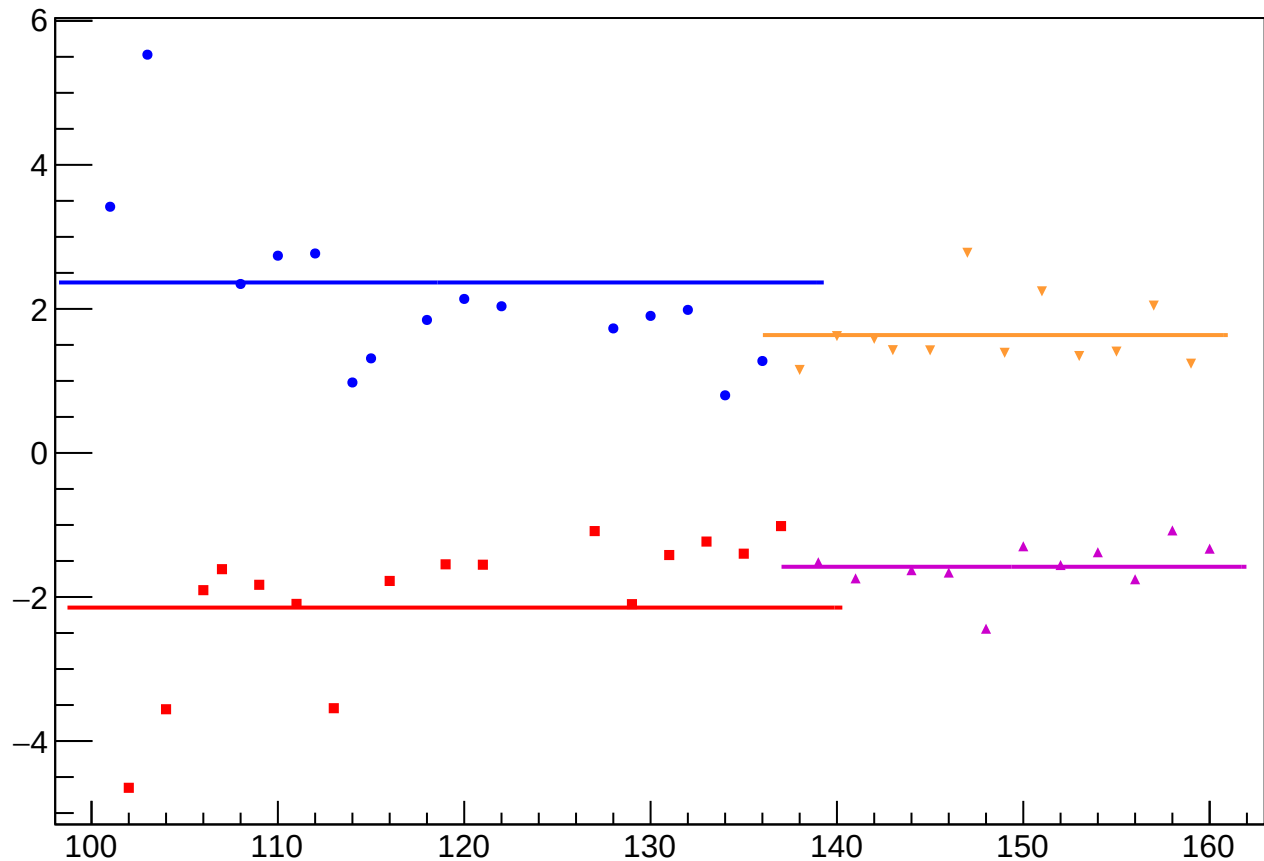
Right: -0.564+/-0.000 χ^2/NDF : 1371493250181668

In: 2.062+/-0.000 χ^2/NDF : 1735093437250268156

Out: -2.505+/-0.000 χ^2/NDF : 16012140379584636

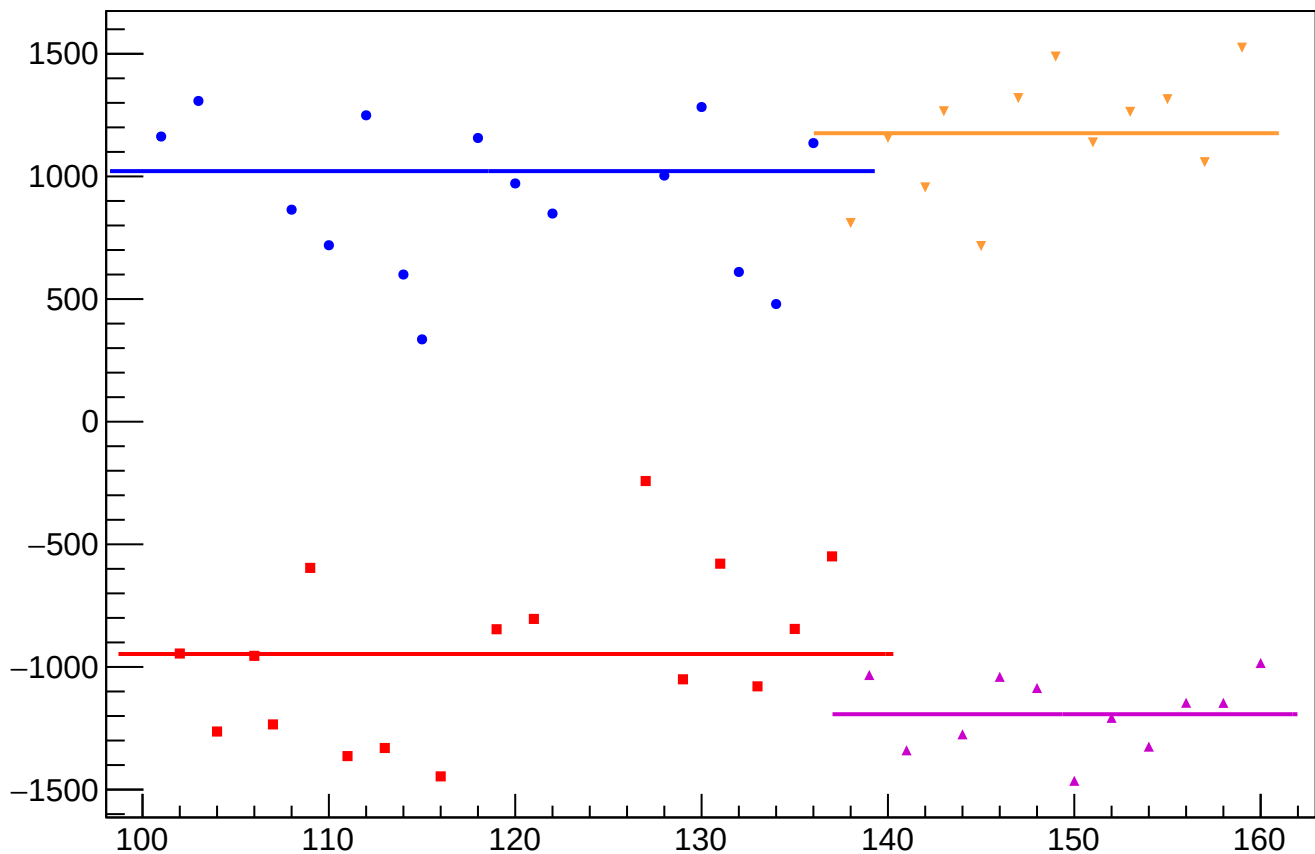
All: -0.229+/-0.000 χ^2/NDF : 3500960863044

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.367 ± 0.000 χ^2/NDF : 920633294546152876922066767446016.0/14
 Left Out: 1.637 ± 0.000 χ^2/NDF : 197584846951597051944769289191424.0/11
 Right Out: -2.147 ± 0.000 χ^2/NDF : 764171992480224478656127555338240.0/15
 Left In: -1.580 ± 0.000 χ^2/NDF : 104159820106689813353171792166912.0/10
 All: 0.046 ± 0.000 χ^2/NDF : 13455208592598

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

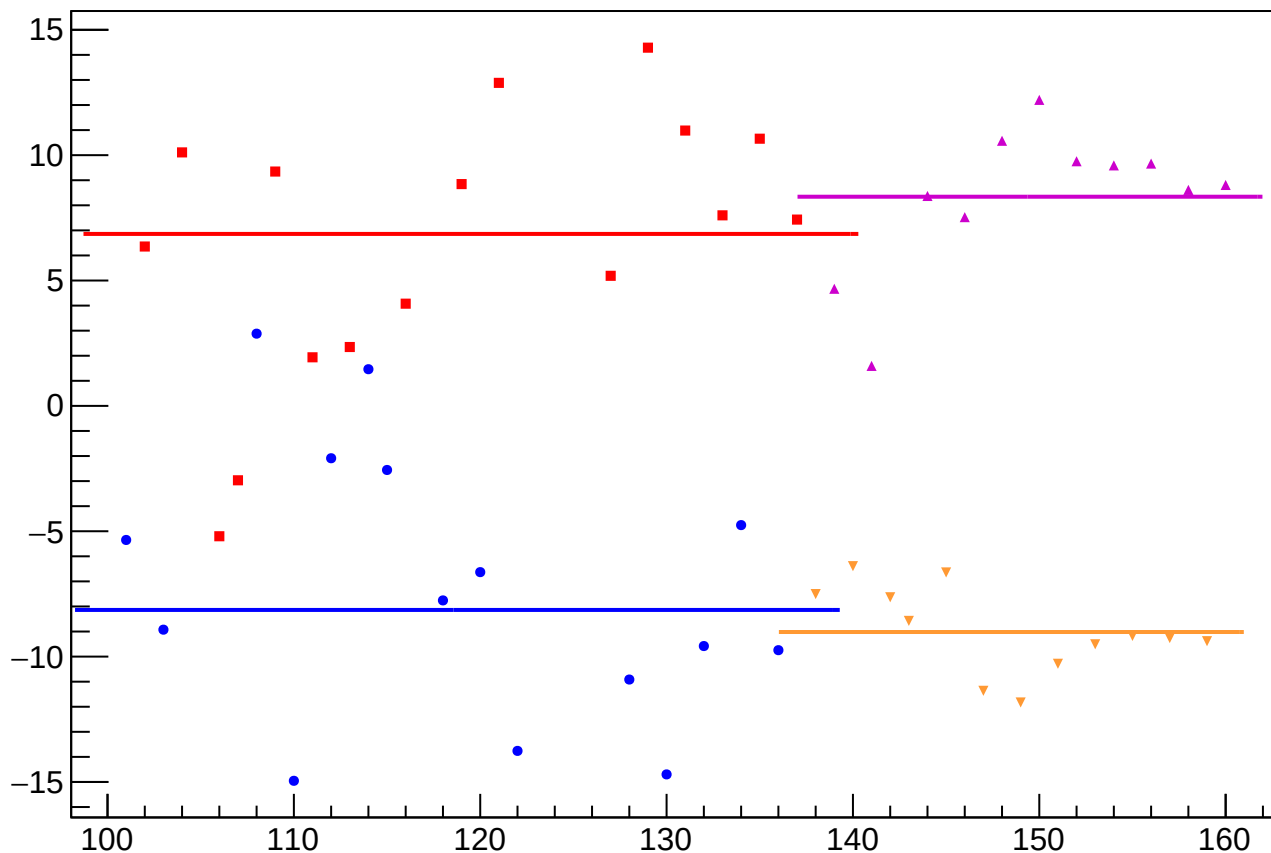
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

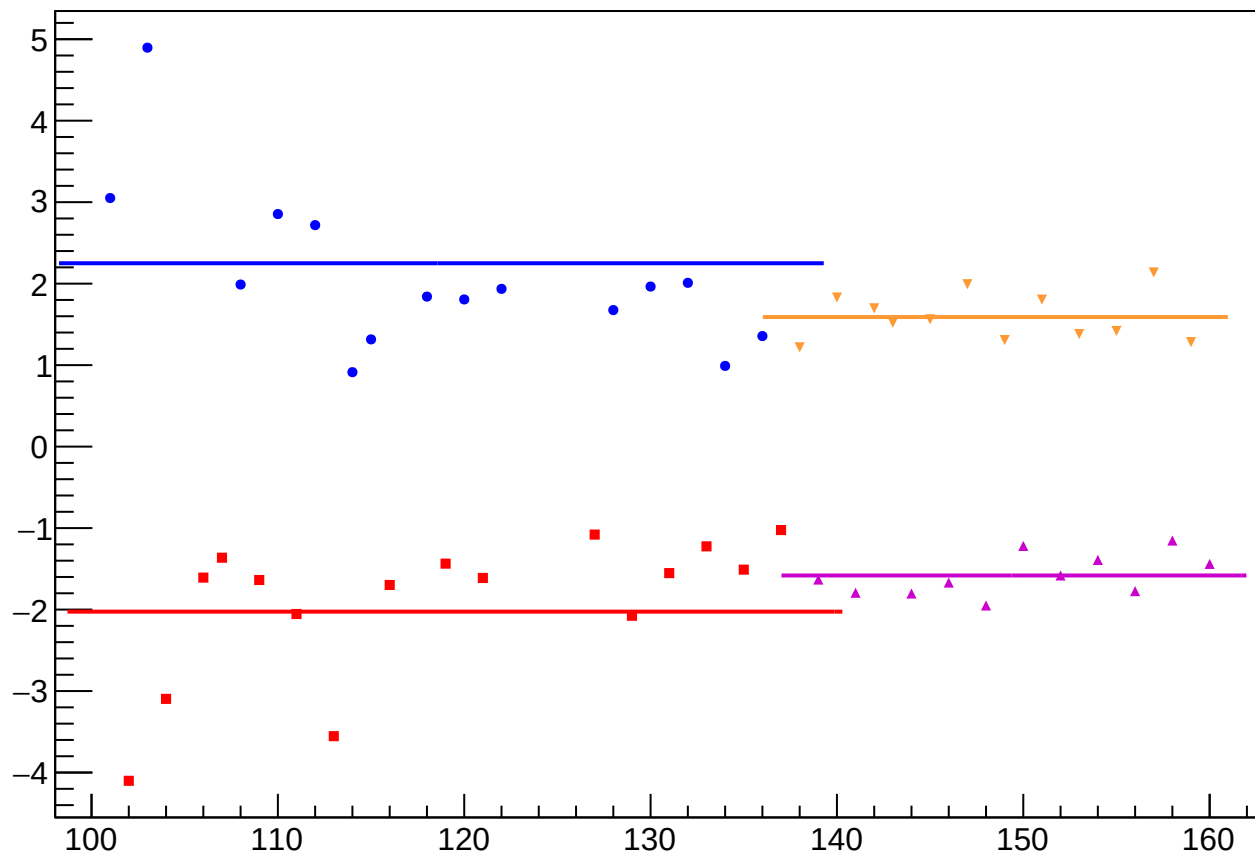
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_4eY_coil7_mean vs Slug, Sign Corrected



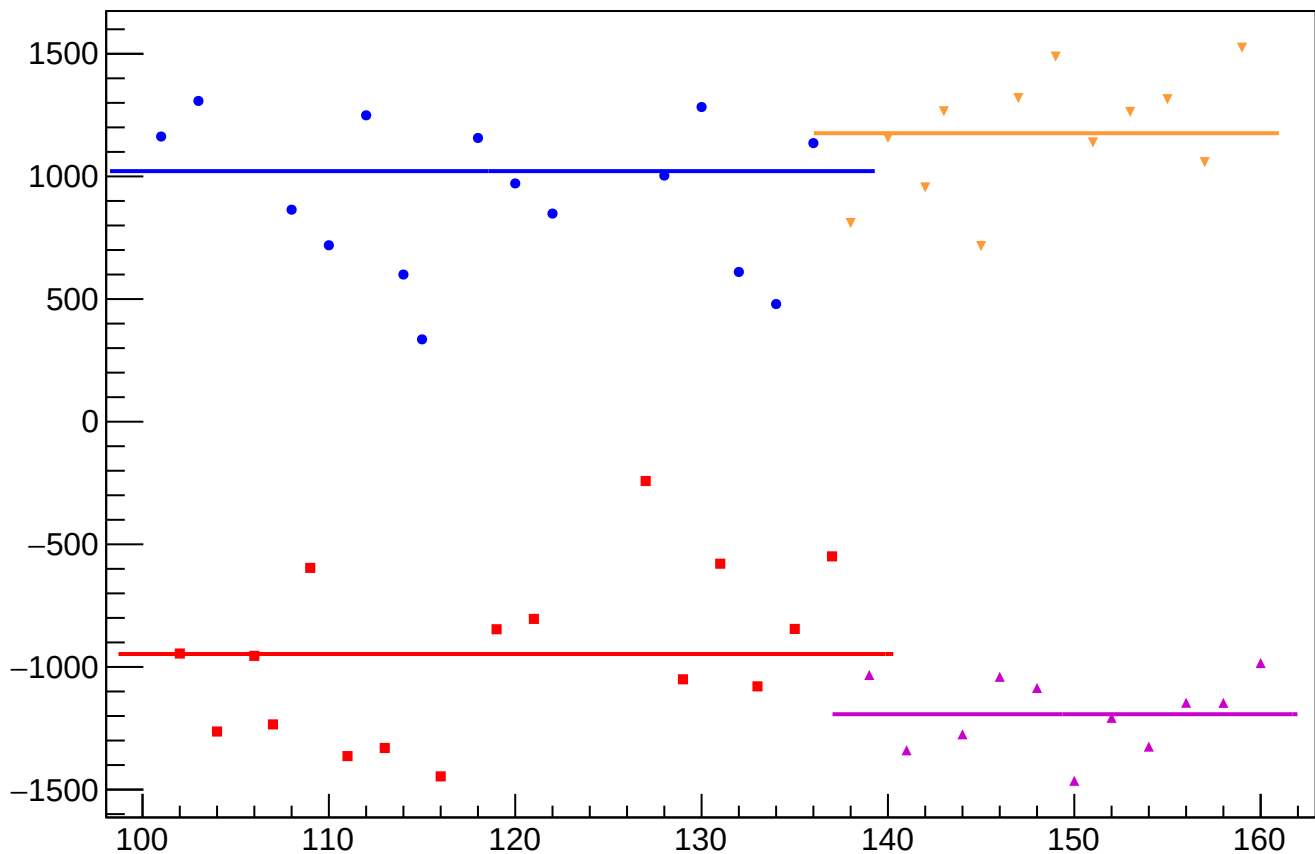
Right In: -8.139 ± 0.000 $\chi^2/\text{NDF}: 14676442649222120372533779893321728.0/14$
 Left Out: -9.019 ± 0.000 $\chi^2/\text{NDF}: 2556393635520144823493802684579840.0/11$
 Right Out: 6.859 ± 0.000 $\chi^2/\text{NDF}: 16483631561591790731352632153079808.0/15$
 Left In: 8.343 ± 0.000 $\chi^2/\text{NDF}: 7268690948063694771204756789526528.0/10$
 All: -0.402 ± 0.000 $\chi^2/\text{NDF}: 2537437015122$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.250 ± 0.000 $\chi^2/\text{NDF}: 656774588136274816295442701090816.0/14$
 Left Out: 1.590 ± 0.000 $\chi^2/\text{NDF}: 76554351114693669605218090745856.0/11$
 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 $\chi^2/\text{NDF}: 12016412328768.0/40$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

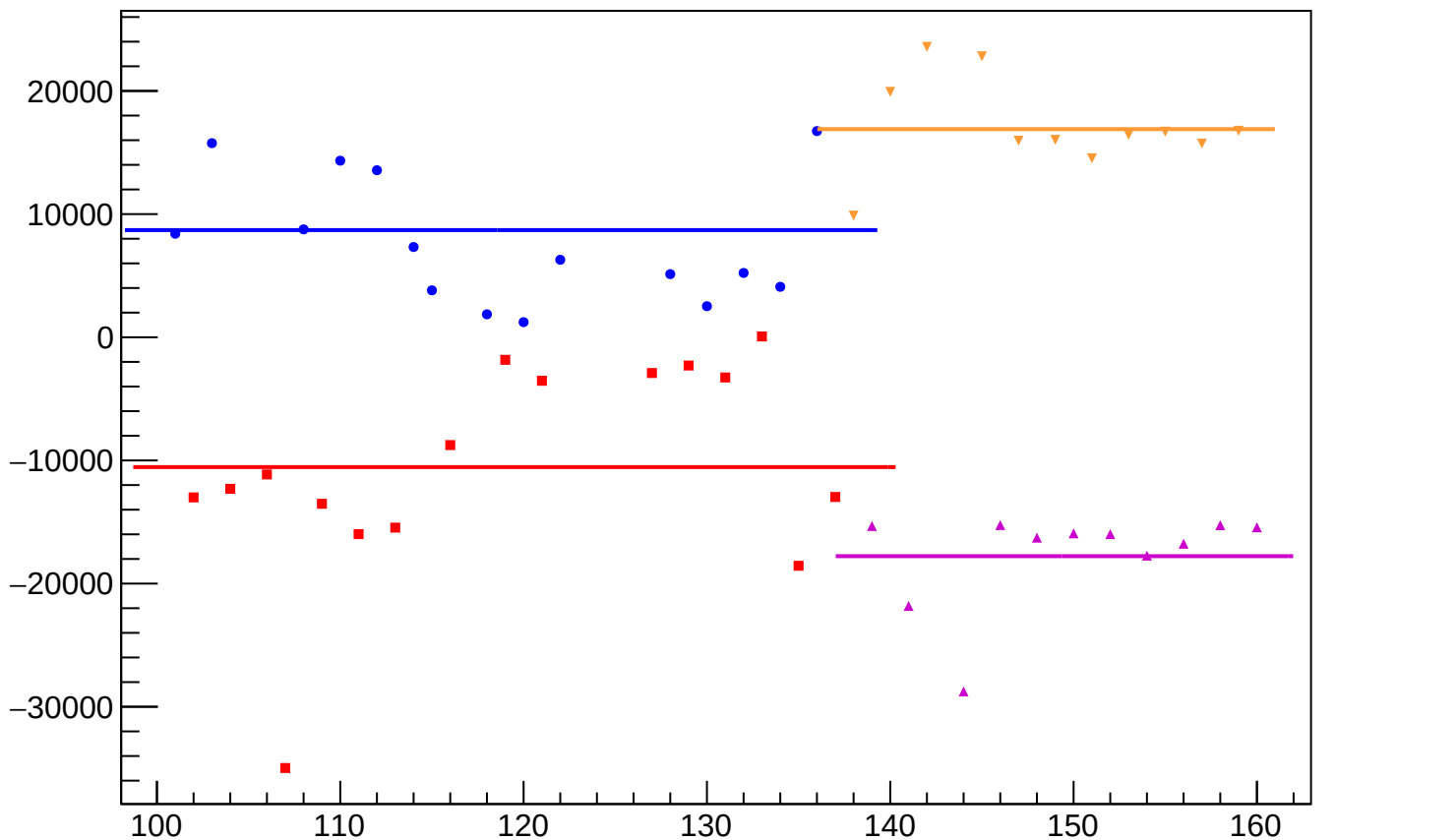
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

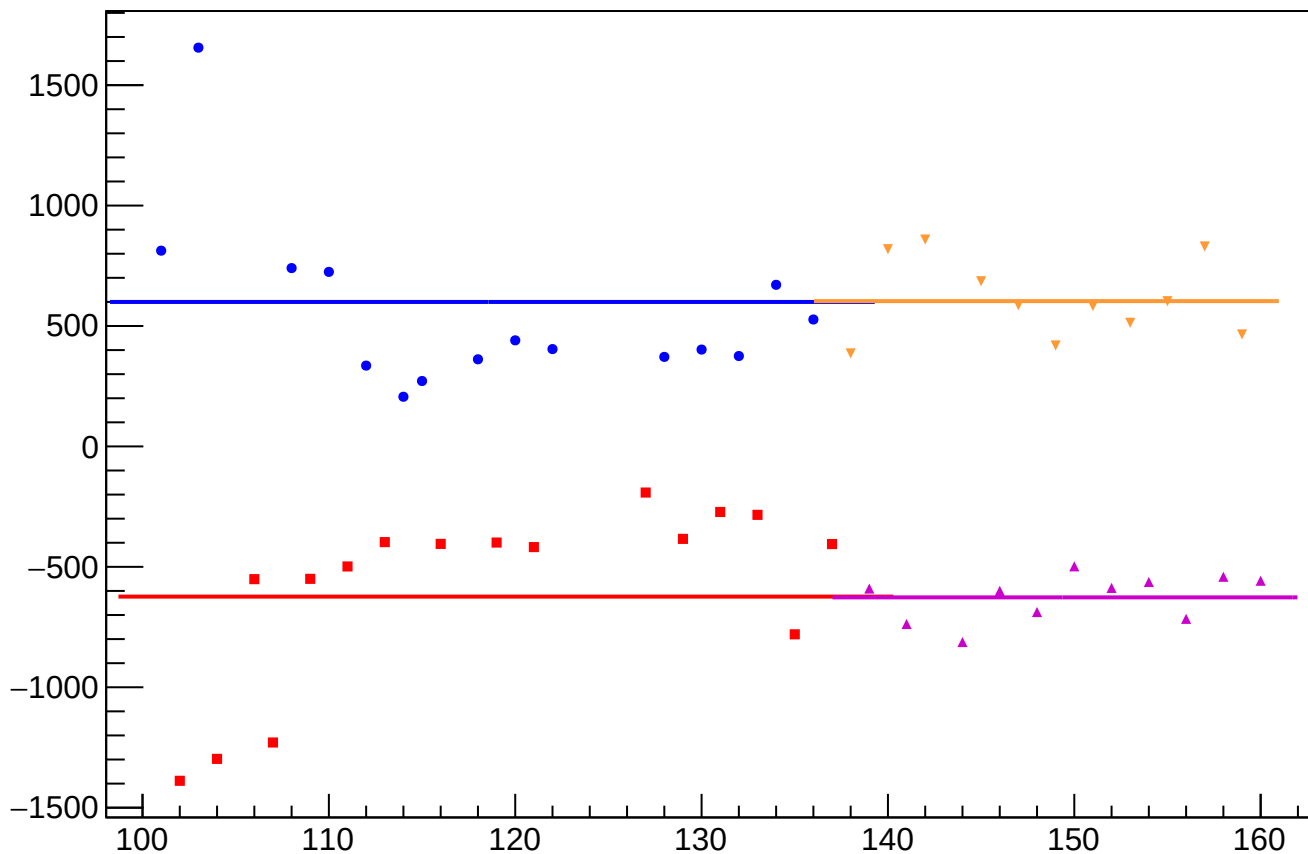
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_usl_coil7_mean vs Slug, Sign Corrected



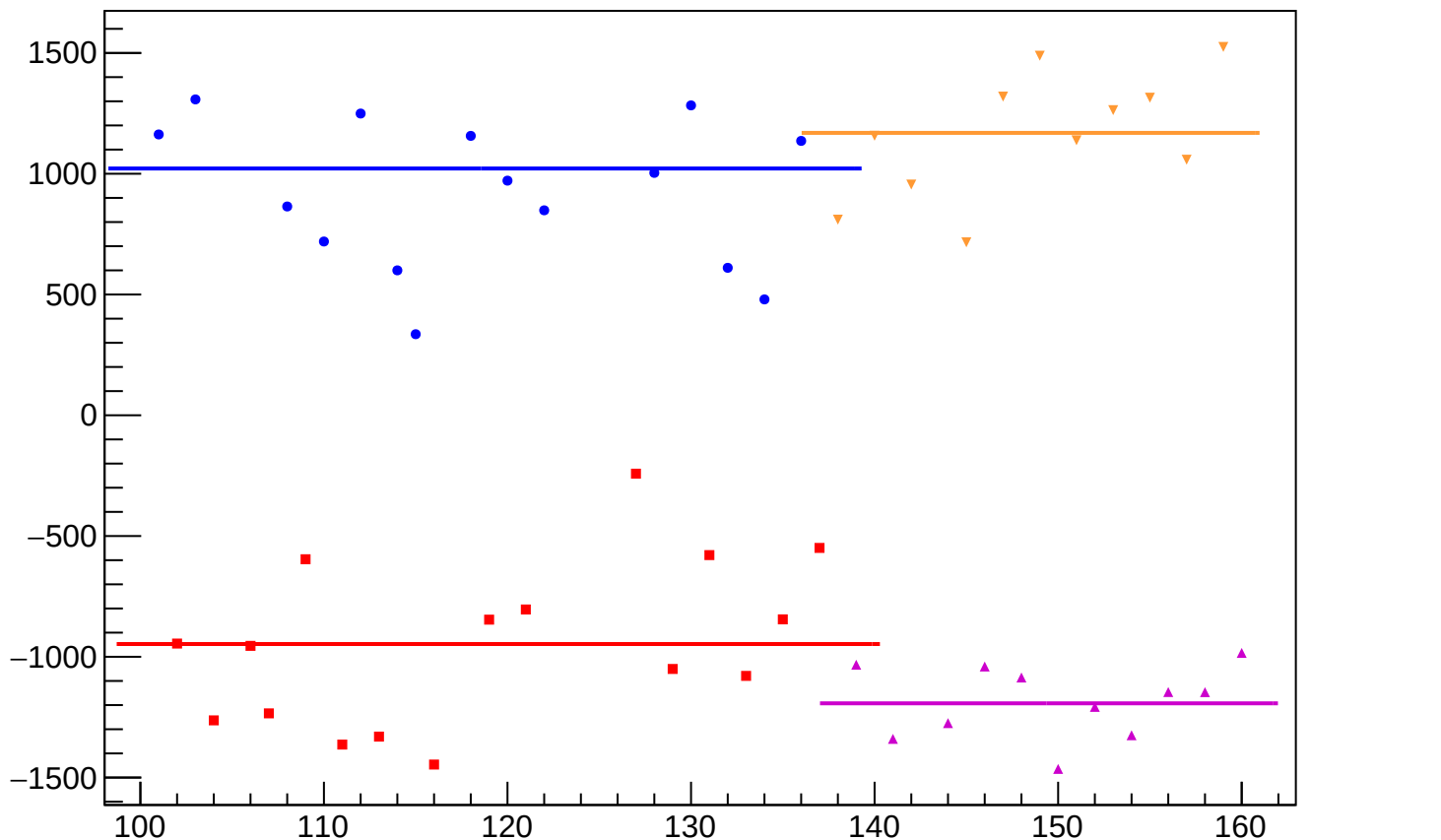
Right In: 8703.332+/-0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Left Out: 16897.725+/-0.000 χ^2/NDF : 10176252623828635713405692864230091390976.0/10
 Right Out: -10539.327+/-0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Left In: -17773.103+/-0.000 χ^2/NDF : 14926066991142889452676587552618632445952.0/10
 All: -1113.447+/-0.000 χ^2/NDF : 7448275665

dit_usl_coil7_err_mean vs Slug, Sign Corrected



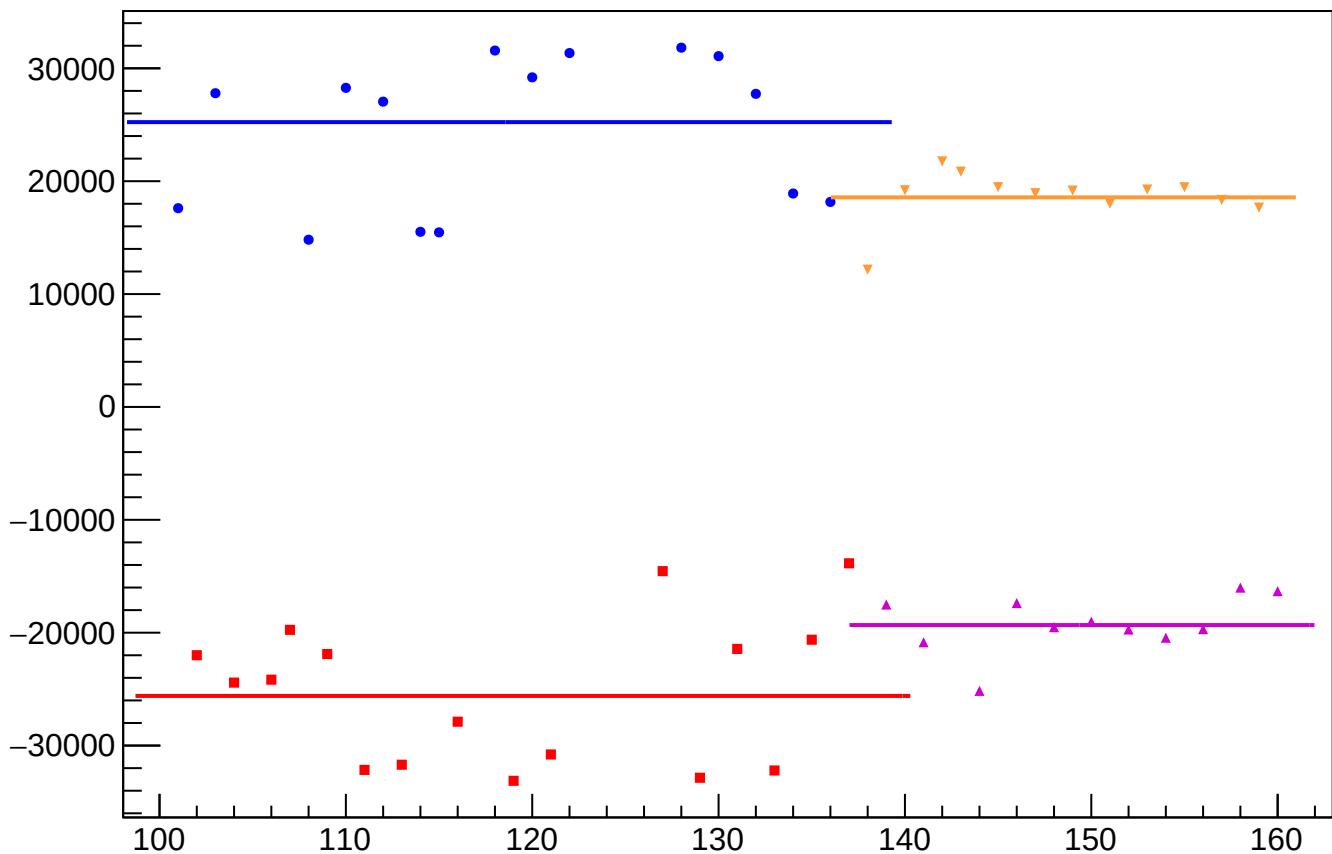
Right In: 599.849 +/- 0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 603.317 +/- 0.000 χ^2/NDF : 20231084325408050976710009900855459840.0/10
 Right Out: -623.569 +/- 0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785 +/- 0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.080 +/- 0.000 χ^2/NDF : 138158678940

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



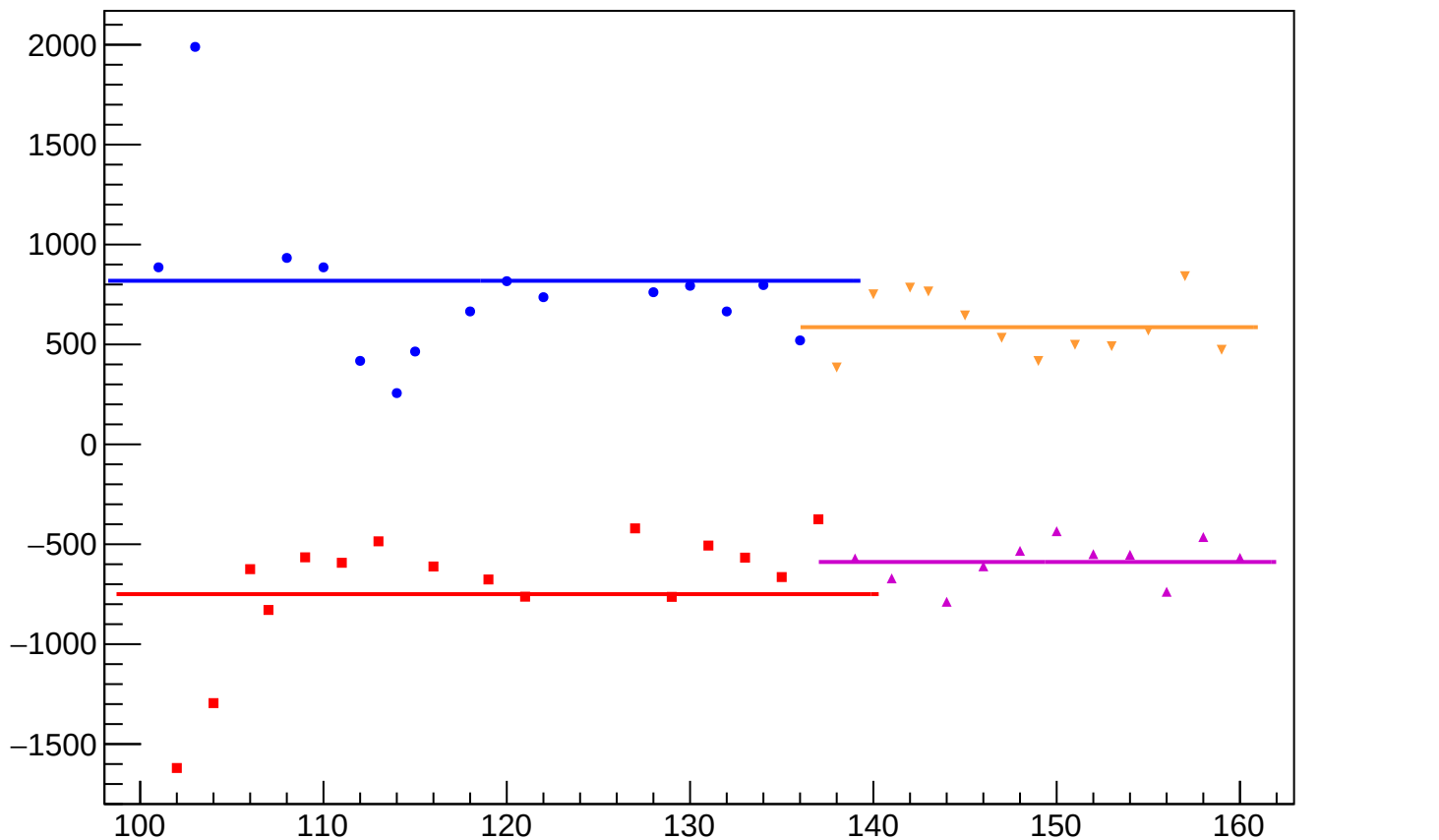
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1169.193+/-0.000 χ^2/NDF : 52777446675178529289654408188899885056.0/10
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687+/-0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.887+/-0.000 χ^2/NDF : 393055602424

dit_usr_coil7_mean vs Slug, Sign Corrected



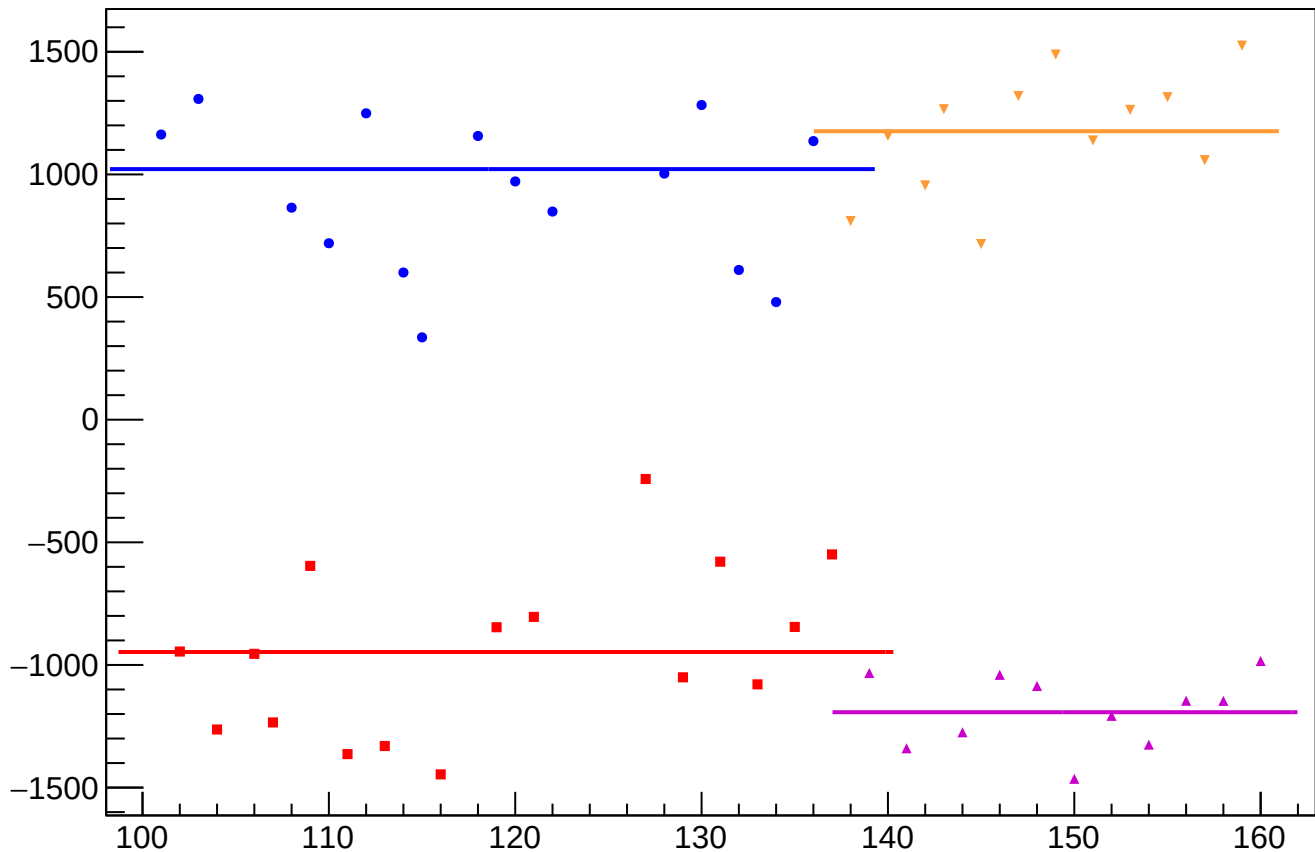
Left: -448.697 +/- 0.000 χ^2/NDF : 670706446890789
 Right In: 25232.229 +/- 0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Right: -532.226 +/- 0.000 χ^2/NDF : 89888992461613
 Left Out: 18569.658 +/- 0.000 χ^2/NDF : 4355453929949745896740569008121325813760.0/11
 In: -940.058 +/- 0.000 χ^2/NDF : 7868508361919144
 Right Out: -25601.388 +/- 0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Out: -30.145 +/- 0.000 χ^2/NDF : 7820974438326909
 Left In: -19322.974 +/- 0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.516 +/- 0.000 χ^2/NDF : 15696017258

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 ± 0.000 $\chi^2/\text{NDF}: 105606527096911974489496802318373355520.0/14$
 Left Out: 586.466 ± 0.000 $\chi^2/\text{NDF}: 19798968336765265919175174287150546944.0/11$
 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: 7.960 ± 0.000 $\chi^2/\text{NDF}: 16585184603525$

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

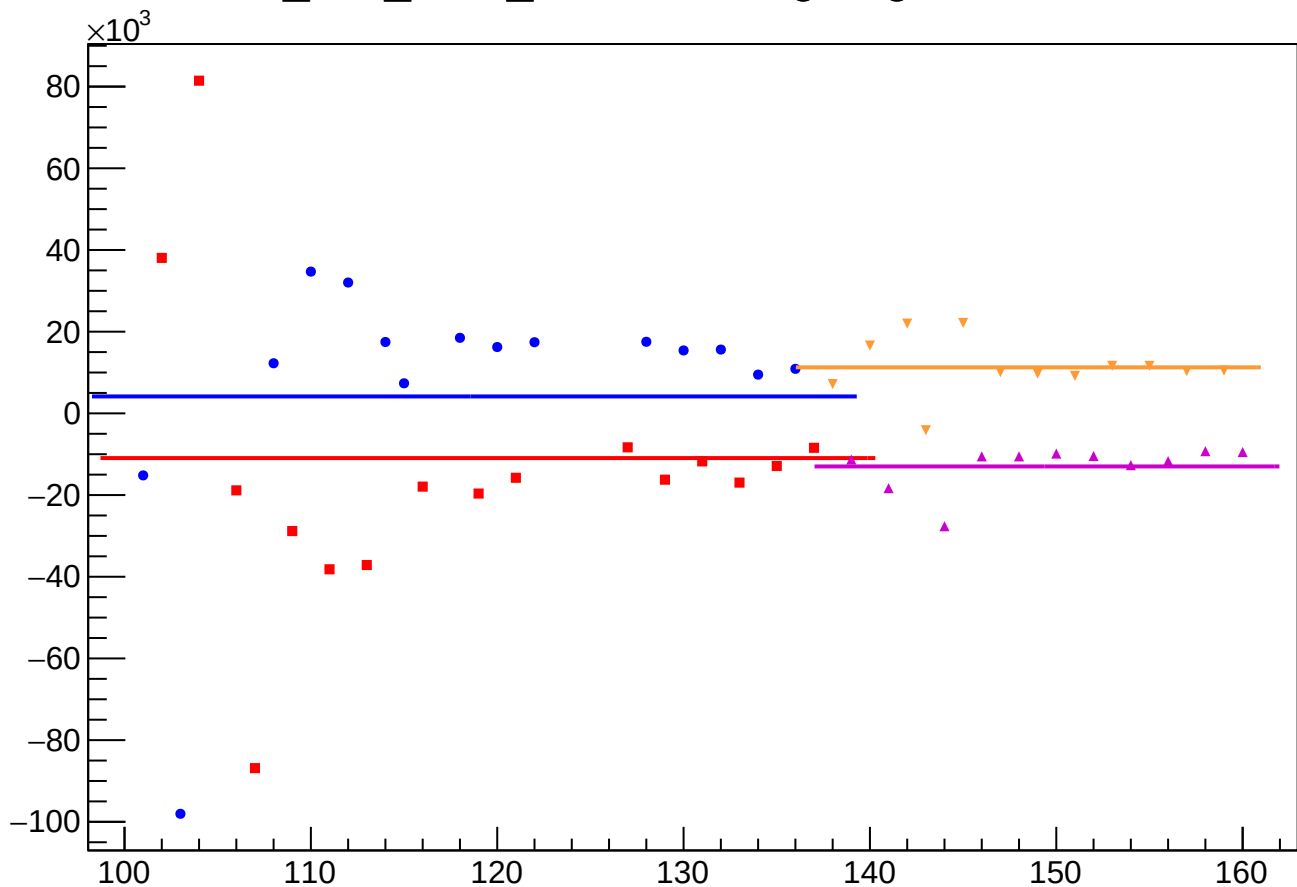
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

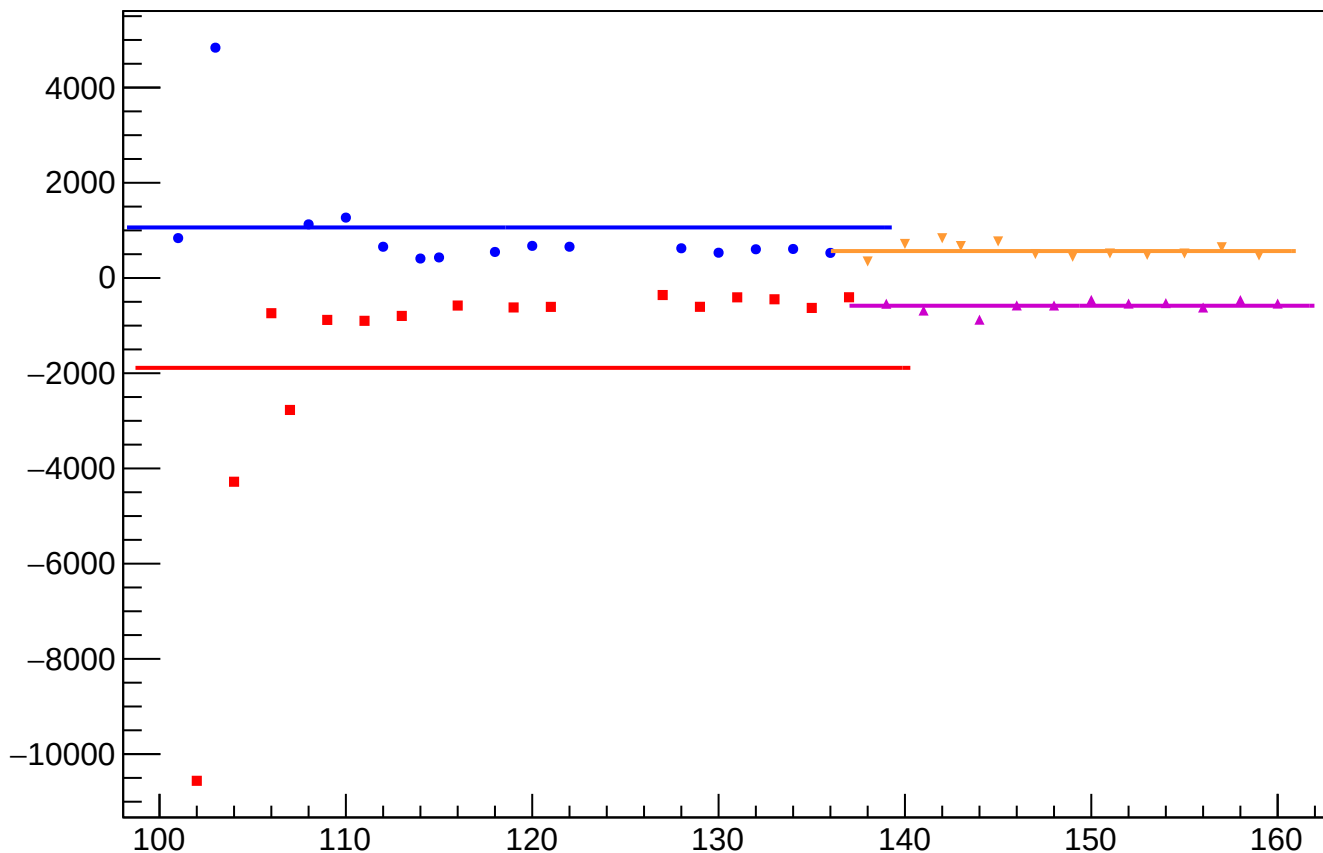
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atl1_coil7_mean vs Slug, Sign Corrected



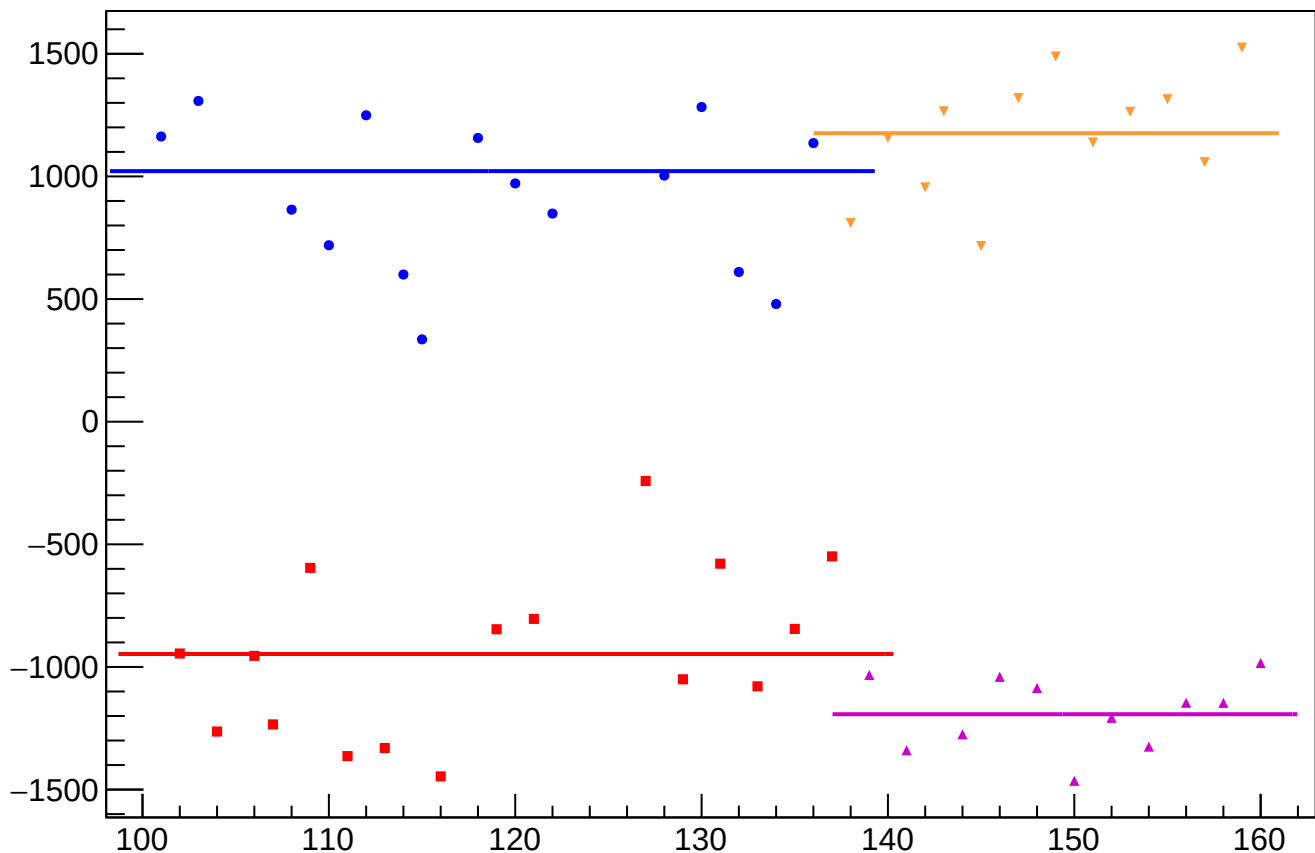
Left: -907.861 ± 0.000 $\chi^2/\text{NDF}: 332523614626730$
 Right In: 4145.268 ± 0.000 $\chi^2/\text{NDF}: 763693998395064689637972381933507648159744.0/14$
 Right: -3504.625 ± 0.000 $\chi^2/\text{NDF}: 1712578788282$
 Left Out: 11270.779 ± 0.000 $\chi^2/\text{NDF}: 35137043527033139065388759182682848493568.0/11$
 In: -5922.694 ± 0.000 $\chi^2/\text{NDF}: 902084767732052$
 Right Out: -10948.073 ± 0.000 $\chi^2/\text{NDF}: 873949668510327201514601463115396191092736.0/15$
 Out: 1914.734 ± 0.000 $\chi^2/\text{NDF}: 109971319391209$
 Left In: -12994.239 ± 0.000 $\chi^2/\text{NDF}: 26399397473209063315648711040224276250624.0/10$
 All: -1990.326 ± 0.000 $\chi^2/\text{NDF}: 2050277278$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Left Out: 565.876+/-0.000 χ^2/NDF : 16647379125618292913647848878579384320.0/11
 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: -186.440+/-0.000 χ^2/NDF : 10111903245

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

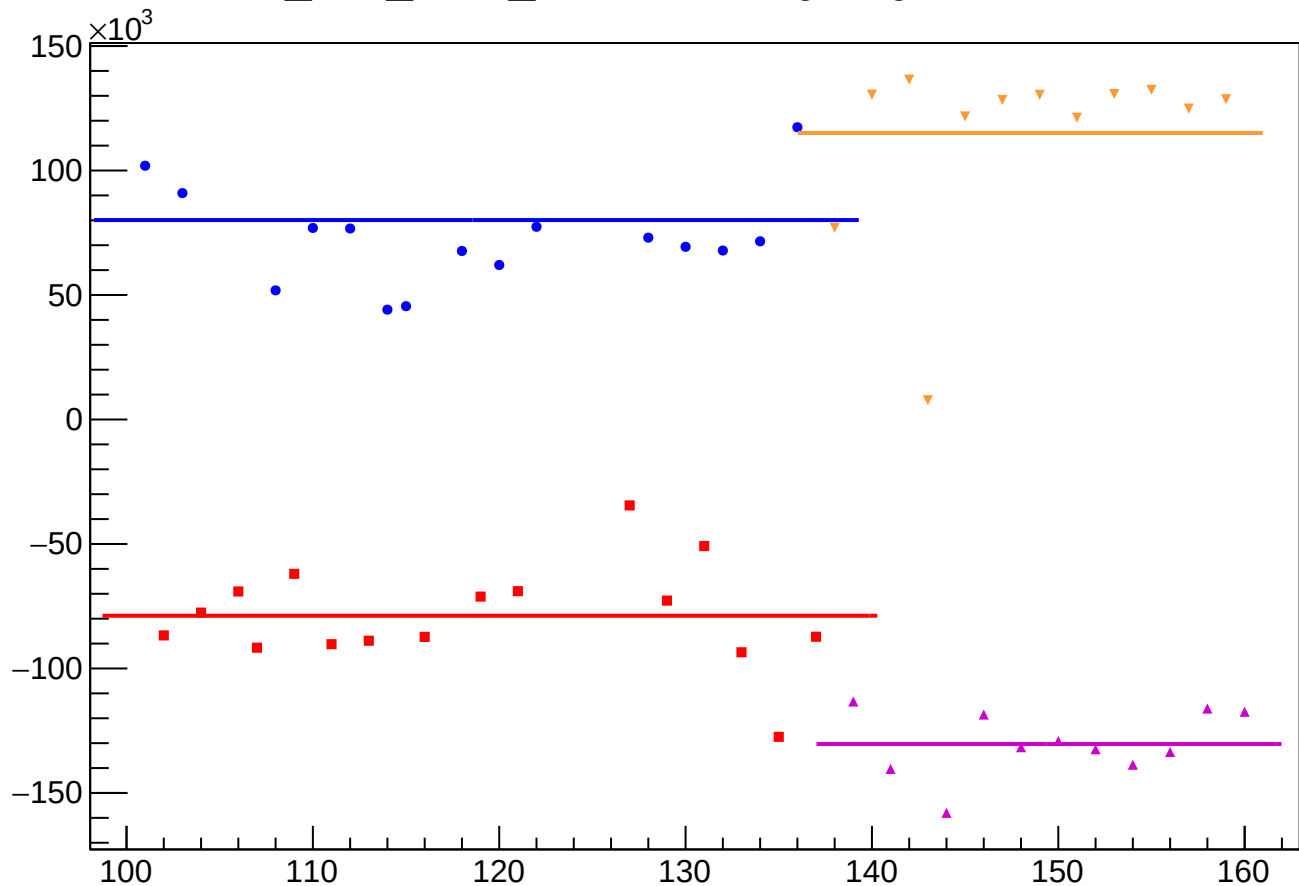
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 80102.504+/-0.000

χ^2/NDF : 254521784097258654723607522631742465769472.0/14

Left Out: 115071.197+/-0.000

χ^2/NDF : 1032500680832033878927899547290304830767104.0/11

Right Out: -78815.832+/-0.000

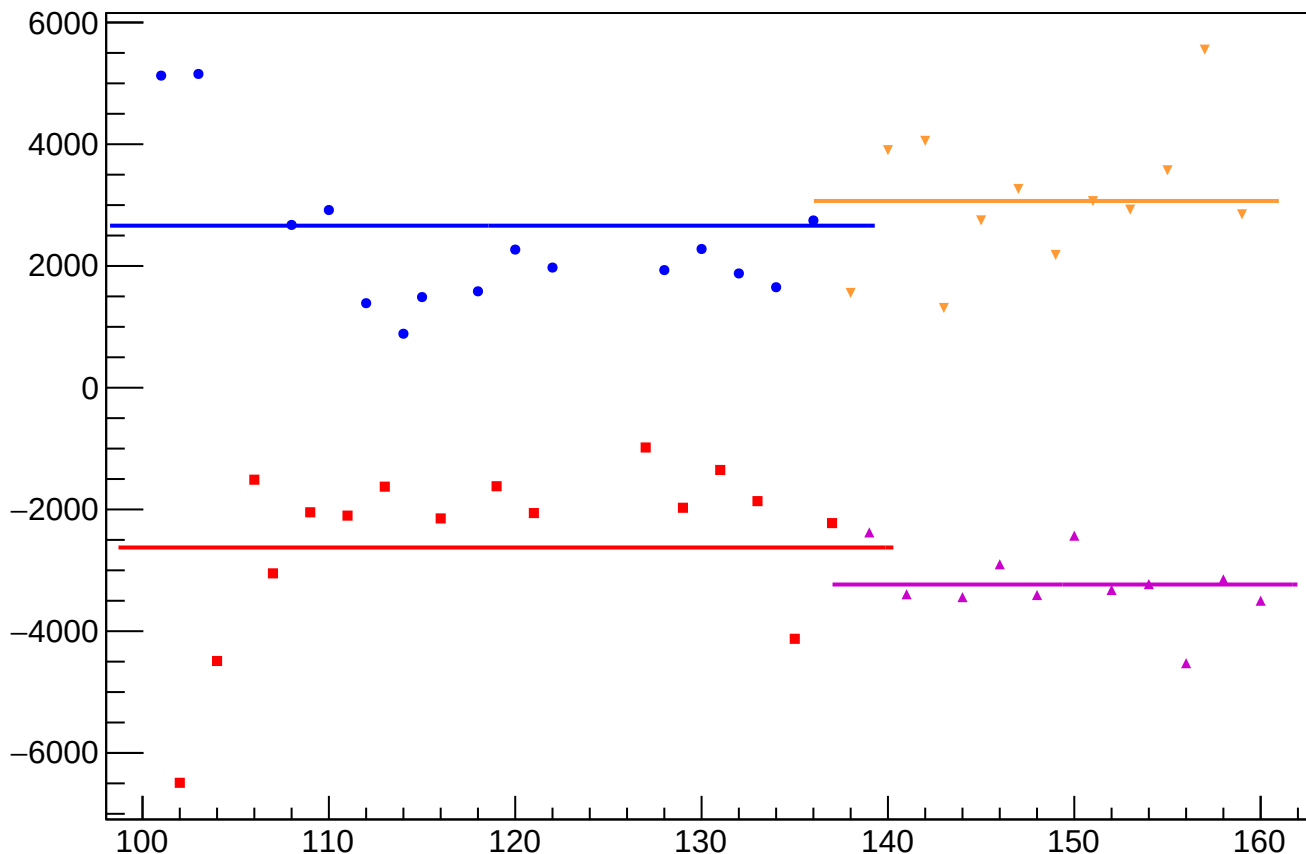
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

Left In: -130346.244+/-0.000

χ^2/NDF : 148174871015439819820100459279999278514176.0/10

All: -4910.762+/-0.000 χ^2/NDF : 3779399134

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2662.183+/-0.000

χ^2/NDF : 1031389230165640157864439705583367487488.0/14

Left Out: 3067.875+/-0.000

χ^2/NDF : 1078495187687389019694818149822179049472.0/11

Right Out: -2624.696+/-0.000

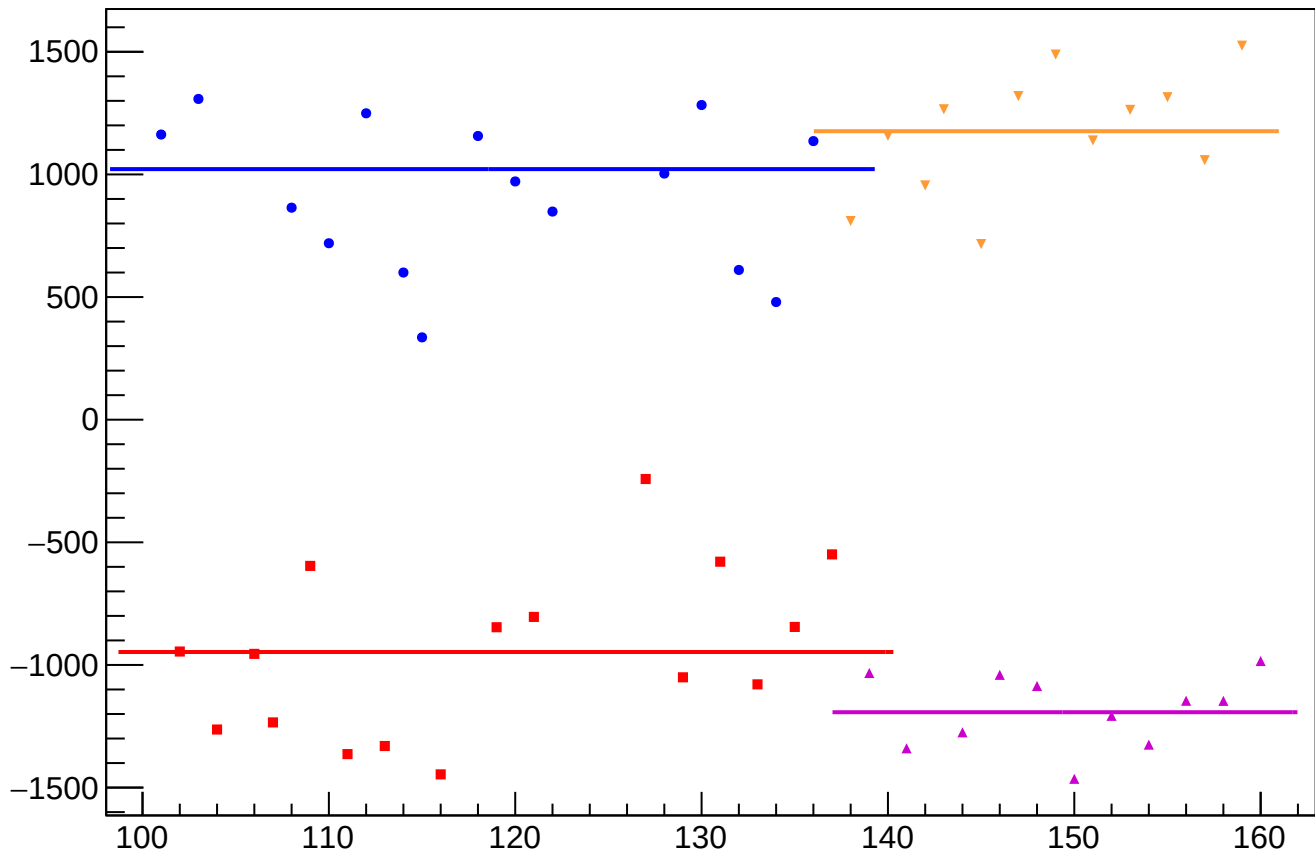
χ^2/NDF : 1566705216866534713590934835660406652928.0/15

Left In: -3232.879+/-0.000

χ^2/NDF : 275721007613891276741007240283331493888.0/10

All: -62.355+/-0.000 χ^2/NDF : 314224924174

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

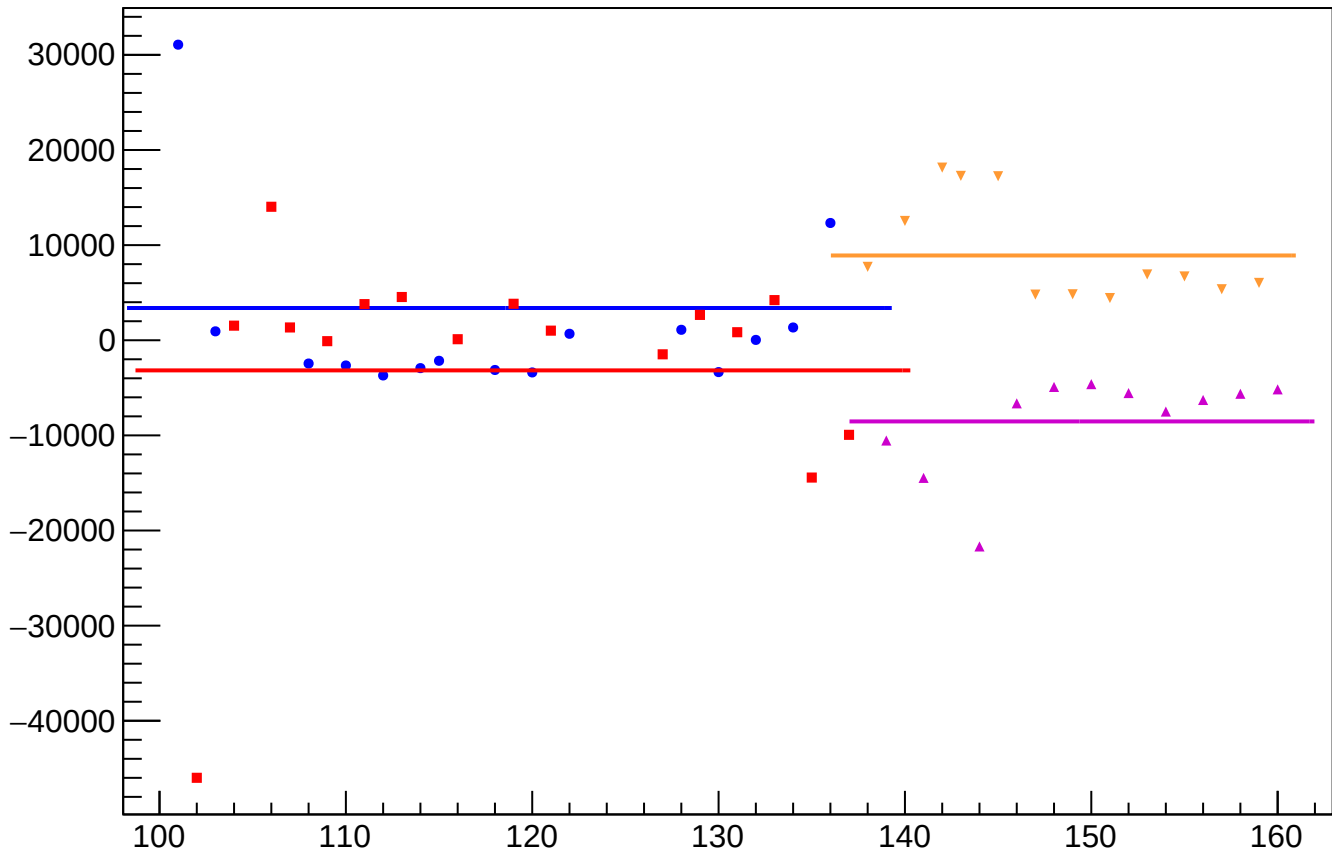
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

Left Out: 8912.459+/-0.000

χ^2/NDF : 22070544402646074284268231690805235941376.0/11

Right Out: -3167.396+/-0.000

χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -8532.821+/-0.000

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

All: 119.168+/-0.000

χ^2/NDF : 404218079274

Left: 156.653+/-0.000 χ^2/NDF : 1864395174272664

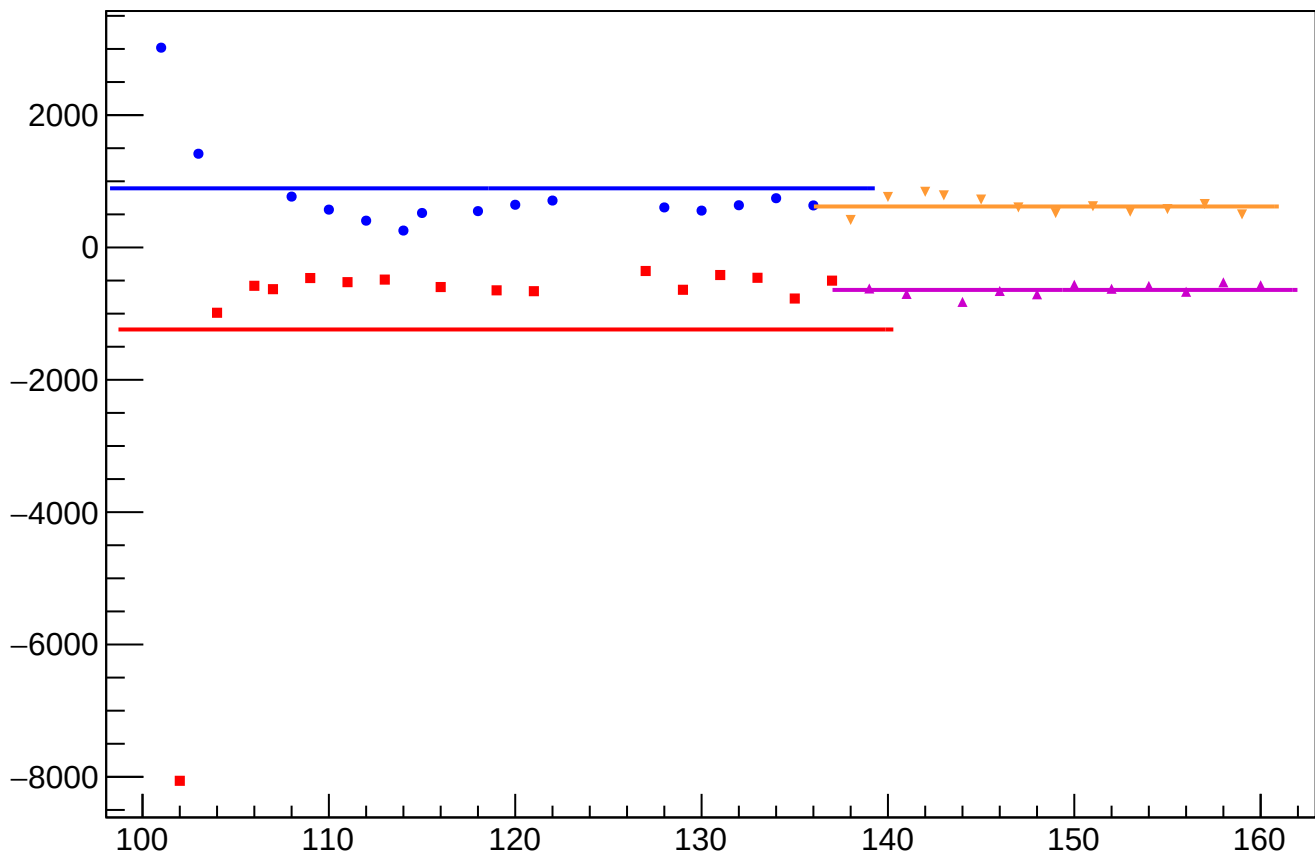
Right: 66.728+/-0.000 χ^2/NDF : 2177723560844725

In: -3613.388+/-0.000 χ^2/NDF : 144369798447171

Out: 3825.803+/-0.000 χ^2/NDF : 216170475506830

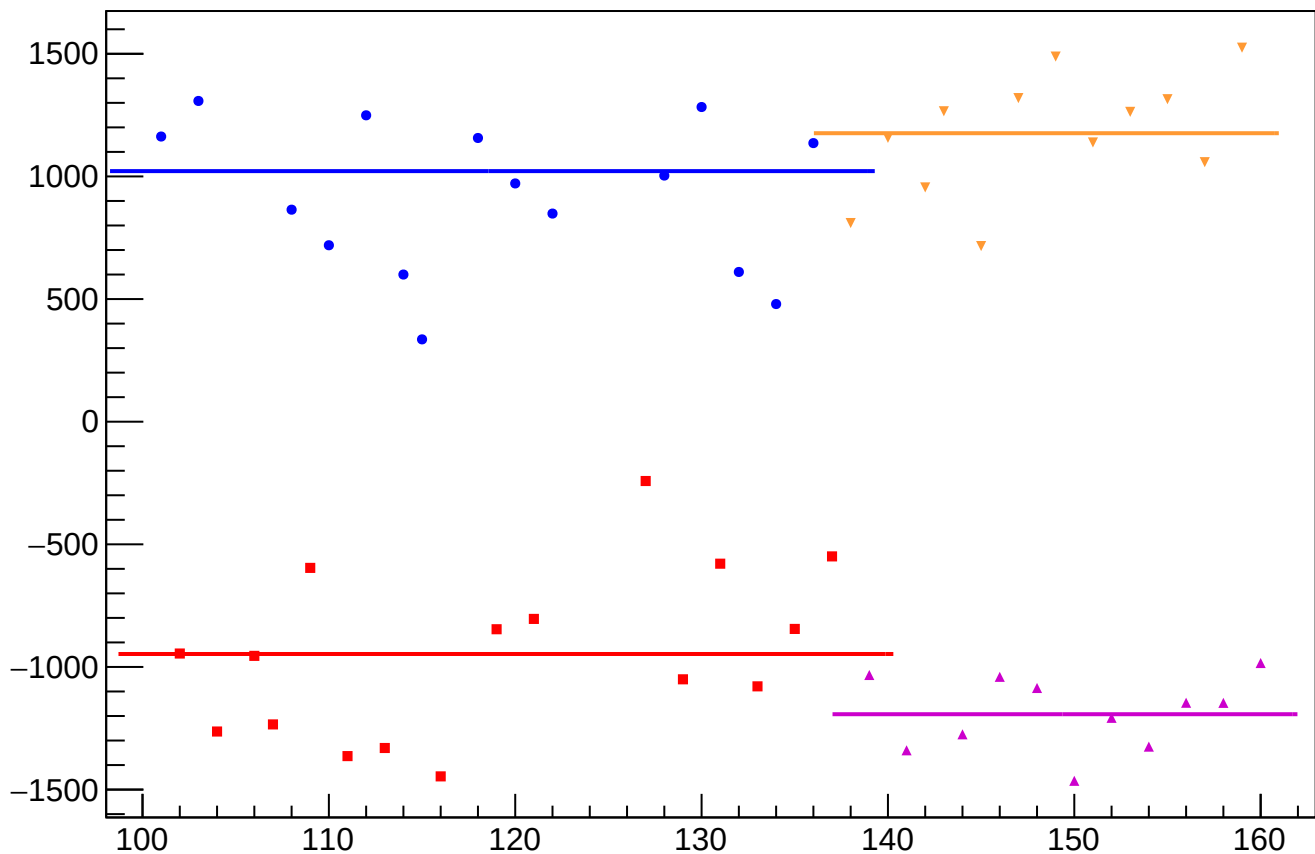
All: 119.168+/-0.000 χ^2/NDF : 404218079274

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



Right In: 893.683+/-0.000 χ^2/NDF : 334583619078631008932404228227359309824.0/14
 Left Out: 619.363+/-0.000 χ^2/NDF : 12743310597907802273598099300489887744.0/11
 Right Out: -1239.298+/-0.000 χ^2/NDF : 2970990859486483990408108918937565003776.0/15
 Left In: -641.490+/-0.000 χ^2/NDF : 6047241871046466320943152926715543552.0/10
 All: -85.966+/-0.000 χ^2/NDF : 557579474185

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

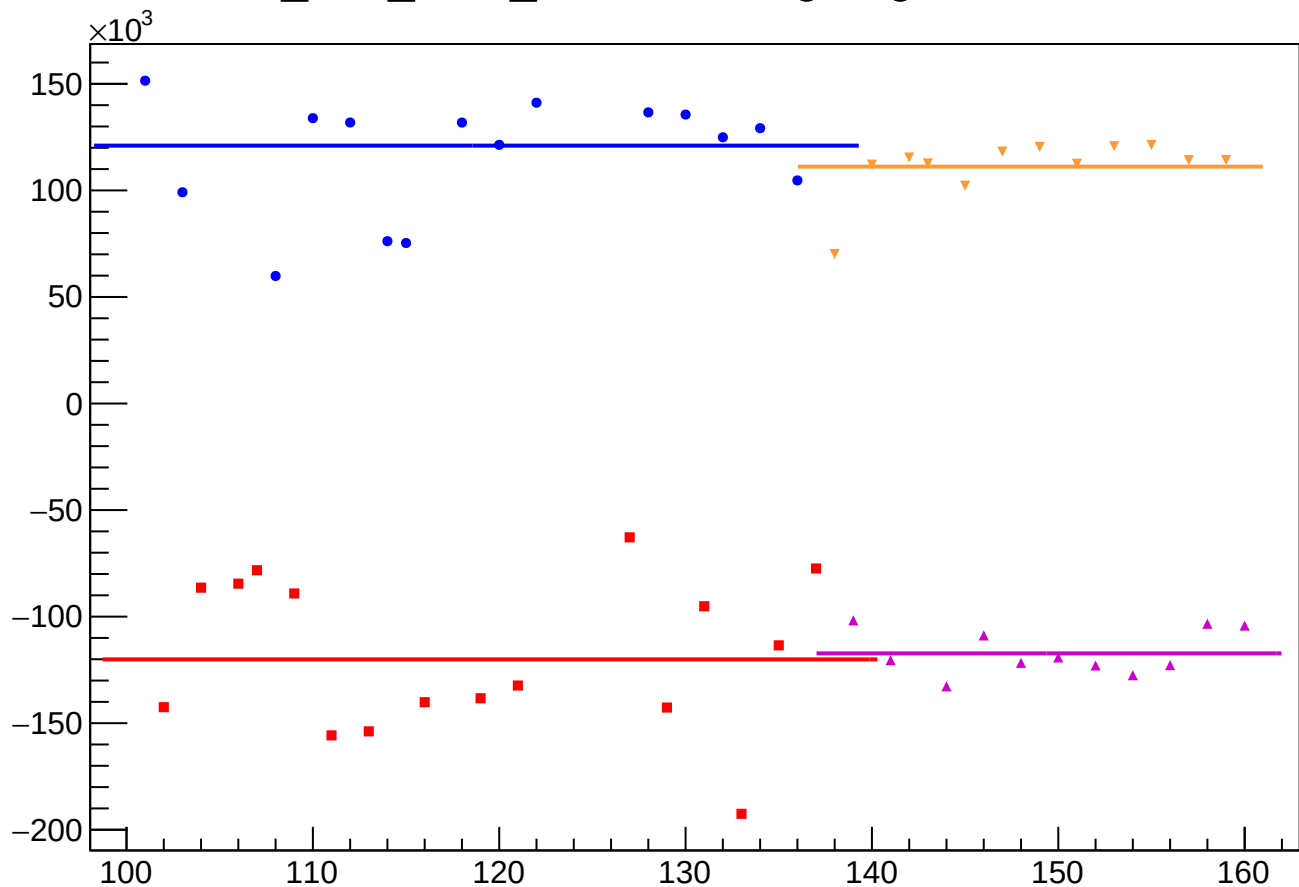
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

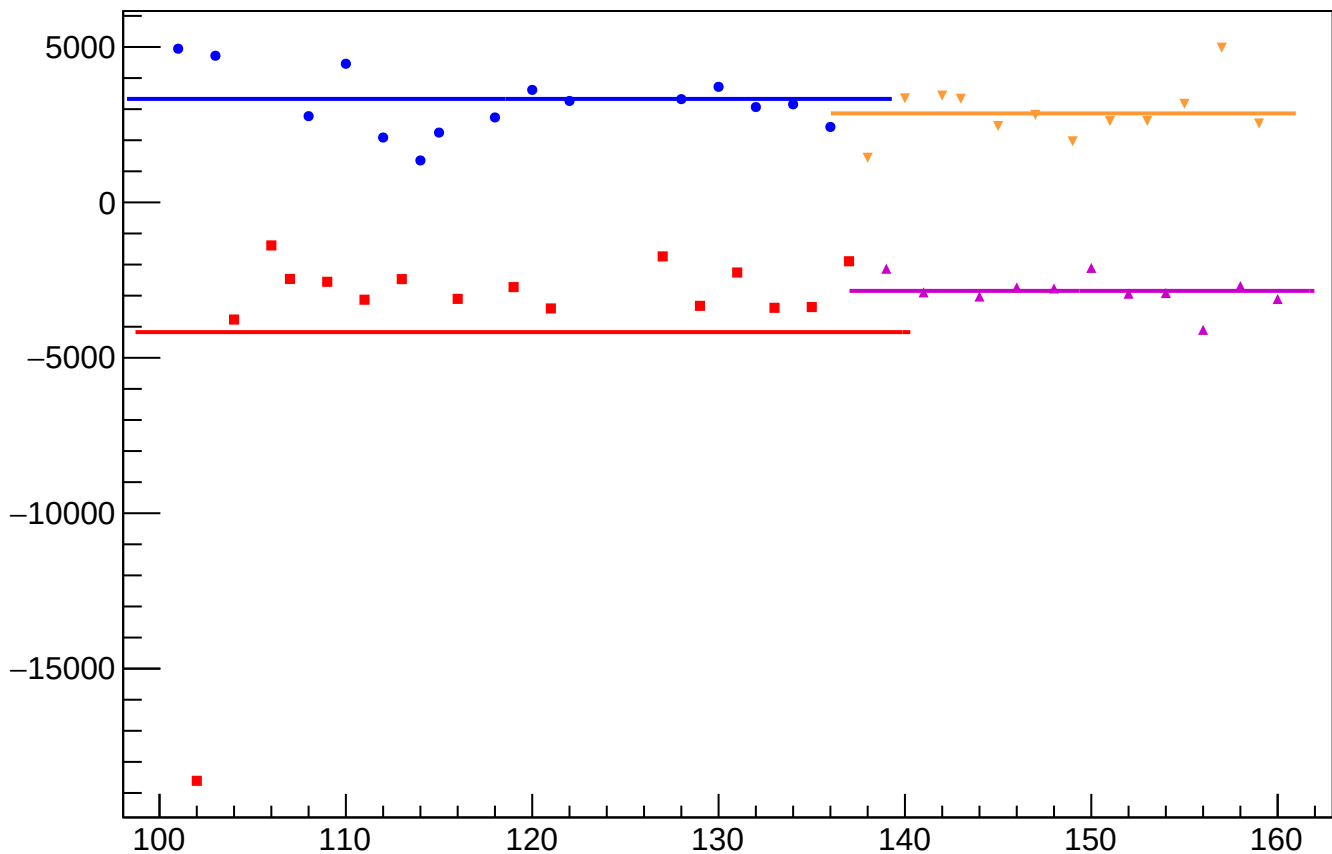
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atr2_coil7_mean vs Slug, Sign Corrected



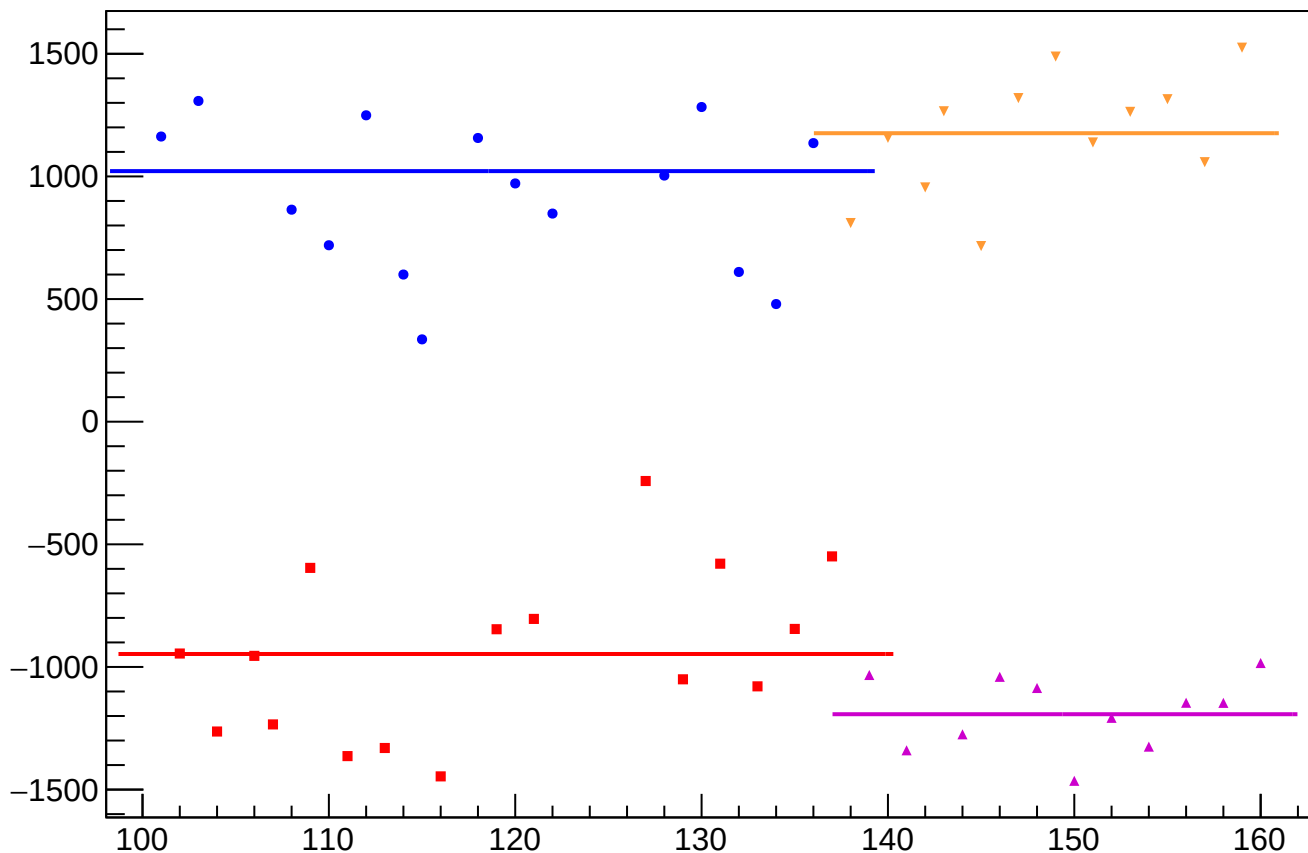
Right In: 121016.482 $\pm$ 0.000 χ^2 /NDF: 358713856404303554987784975983609668173824.0/14
 Left Out: 111166.801 $\pm$ 0.000 χ^2 /NDF: 167364192439388047212250461007969368670208.0/11
 Right Out: -120060.693 $\pm$ 0.000 χ^2 /NDF: 828419782346707601448620310014135952736256.0/15
 Left In: -117237.465 $\pm$ 0.000 χ^2 /NDF: 92299527706158063096544434206678792011776.0/10
 All: -2511.323 $\pm$ 0.000 χ^2 /NDF: 4457837354

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



Right In: 3329.488 ± 0.000 $\chi^2/\text{NDF}: 567034774398456376227526824513721335808.0/14$
 Left Out: 2863.169 ± 0.000 $\chi^2/\text{NDF}: 668766817298044492245074854515224608768.0/11$
 Right Out: -4173.434 ± 0.000 $\chi^2/\text{NDF}: 13498246551537992400095003154682468106240.0/15$
 Left In: -2846.559 ± 0.000 $\chi^2/\text{NDF}: 229557109736682123603885764134616170496.0/10$
 All: -198.776 ± 0.000 $\chi^2/\text{NDF}: 48655252714$

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

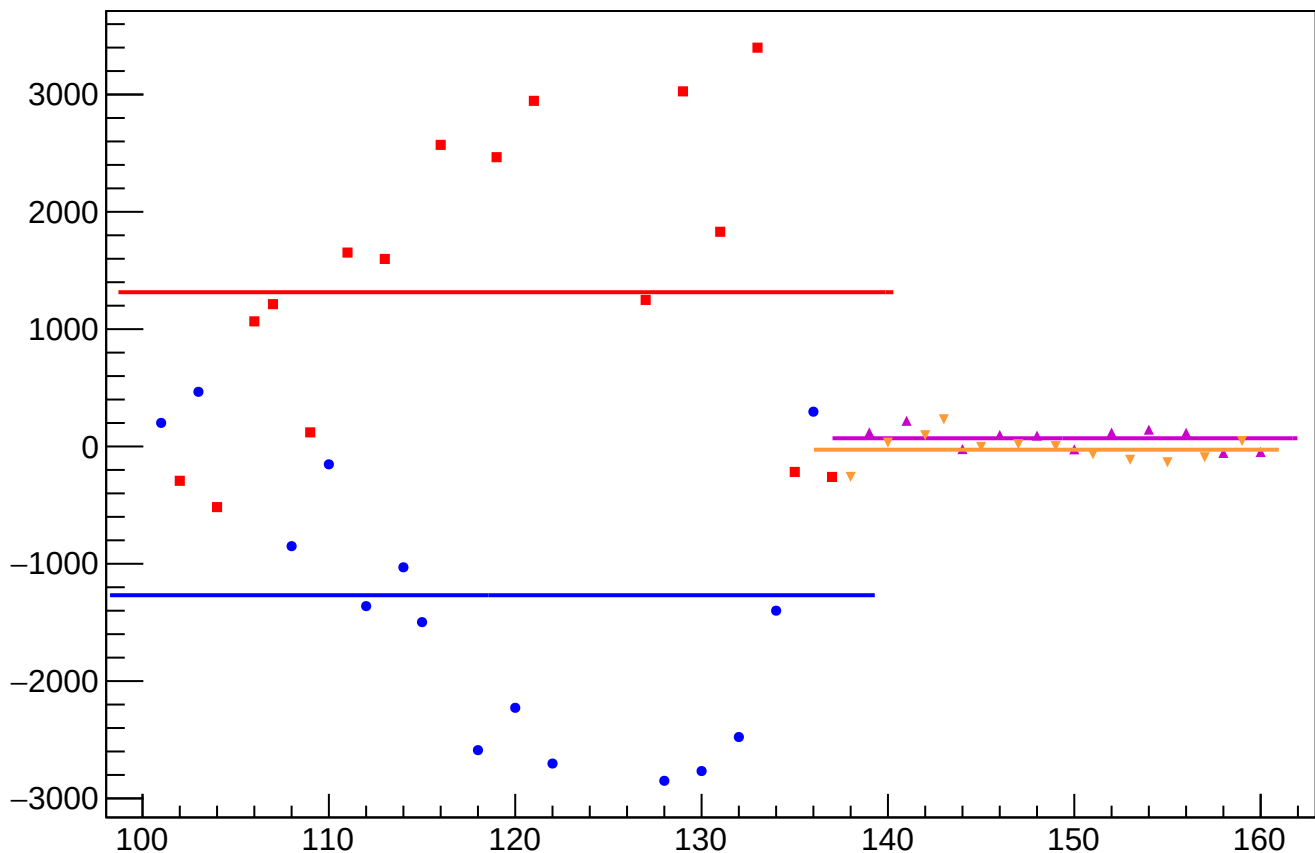
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

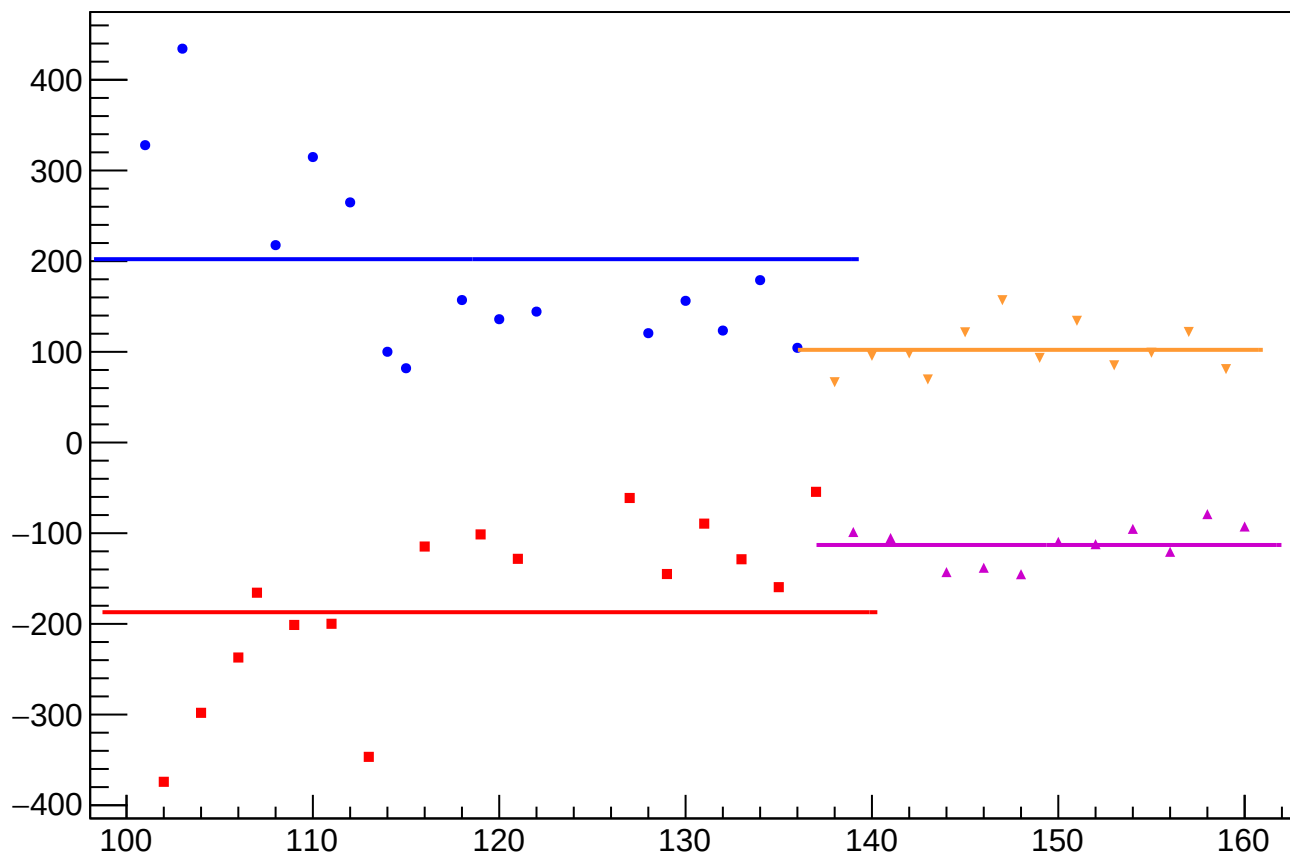
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_sam1_coil7_mean vs Slug, Sign Corrected



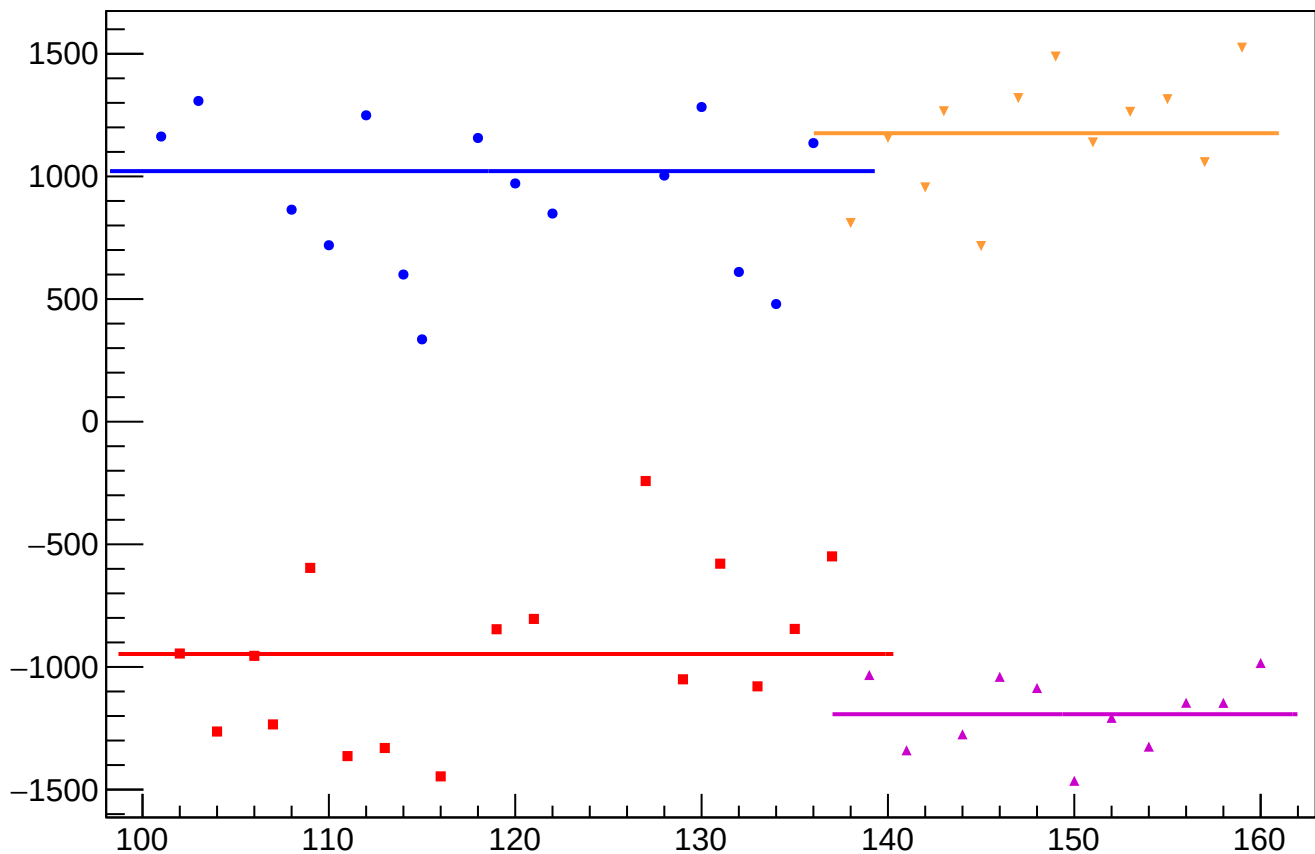
Left: 21.302 $\pm$ 0.000 χ^2 /NDF: 2367978487139292
 Right In: -1268.061 $\pm$ 0.000 χ^2 /NDF: 1092280760288833856070470490800647045120.0/14
 Right: 41.017 $\pm$ 0.000 χ^2 /NDF: 4385100658196815
 Left Out: -27.654 $\pm$ 0.000 χ^2 /NDF: 12404131617036288818573632516917297152.0/11
 In: -482.133 $\pm$ 0.000 χ^2 /NDF: 1781620225198016
 Right Out: 1314.767 $\pm$ 0.000 χ^2 /NDF: 1098471313864079013714609379653260935168.0/15
 Out: 537.620 $\pm$ 0.000 χ^2 /NDF: 1806729362503876
 Left In: 69.887 $\pm$ 0.000 χ^2 /NDF: 6896729055106095492675290775544659968.0/10
 All: 29.520 $\pm$ 0.000 χ^2 /NDF: 4409078738323

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 202.191 $\pm$ 0.000 χ^2 /NDF: 7027941052752849066369040650615128064.0/14
 Left Out: 102.211 $\pm$ 0.000 χ^2 /NDF: 617349982651654313498458631453016064.0/11
 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: -1.349 $\pm$ 0.000 χ^2 /NDF: 8553091353048

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

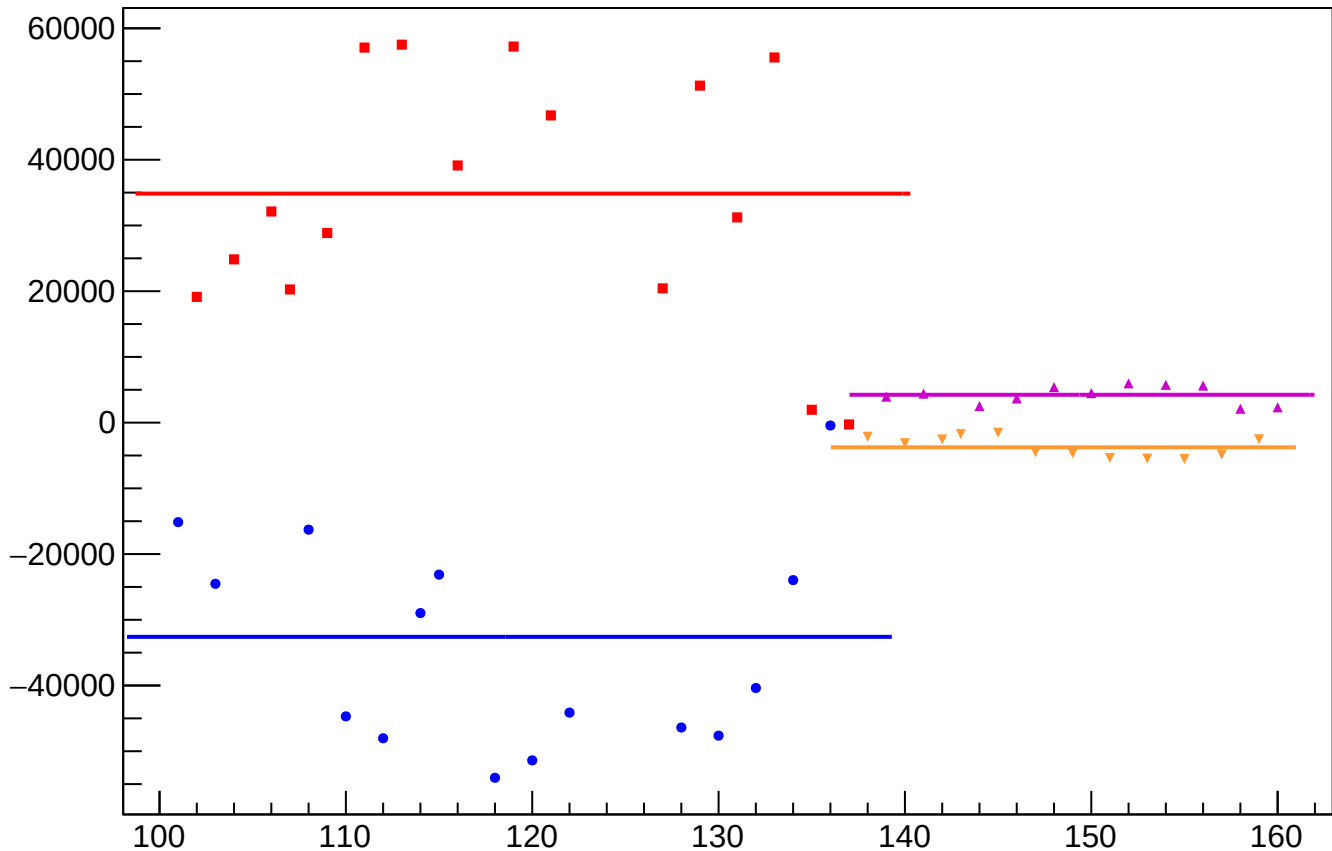
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam2_coil7_mean vs Slug, Sign Corrected



Right In: -32594.962 +/- 0.000

χ^2/NDF : 209150369207000564489724529020922520141824.0/14

Left Out: -3752.448 +/- 0.000

χ^2/NDF : 2004018922397864512506251751982968602624.0/11

Right Out: 34848.046 +/- 0.000

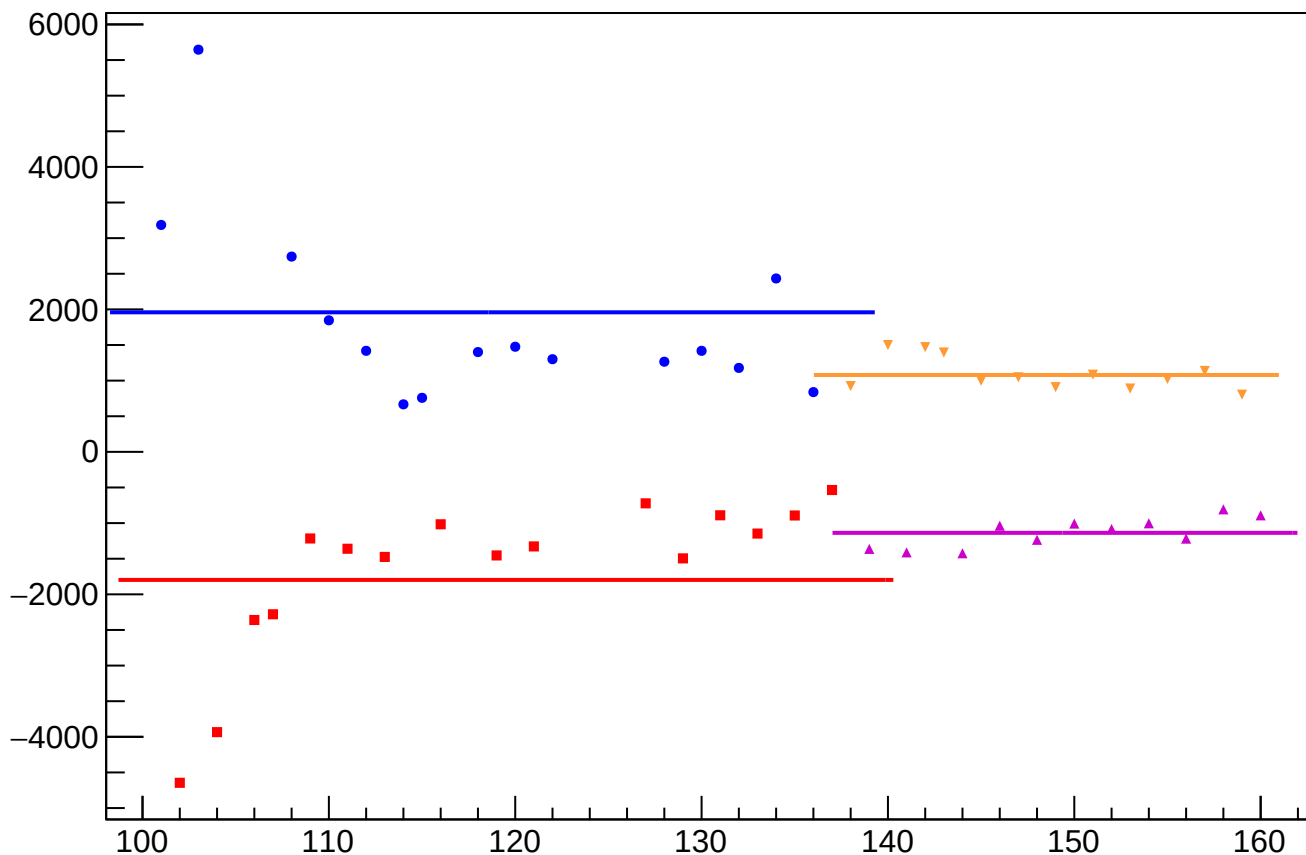
χ^2/NDF : 221127702024811719232559434097324967591936.0/15

Left In: 4238.758 +/- 0.000

χ^2/NDF : 1676258877466067471746283067125033598976.0/10

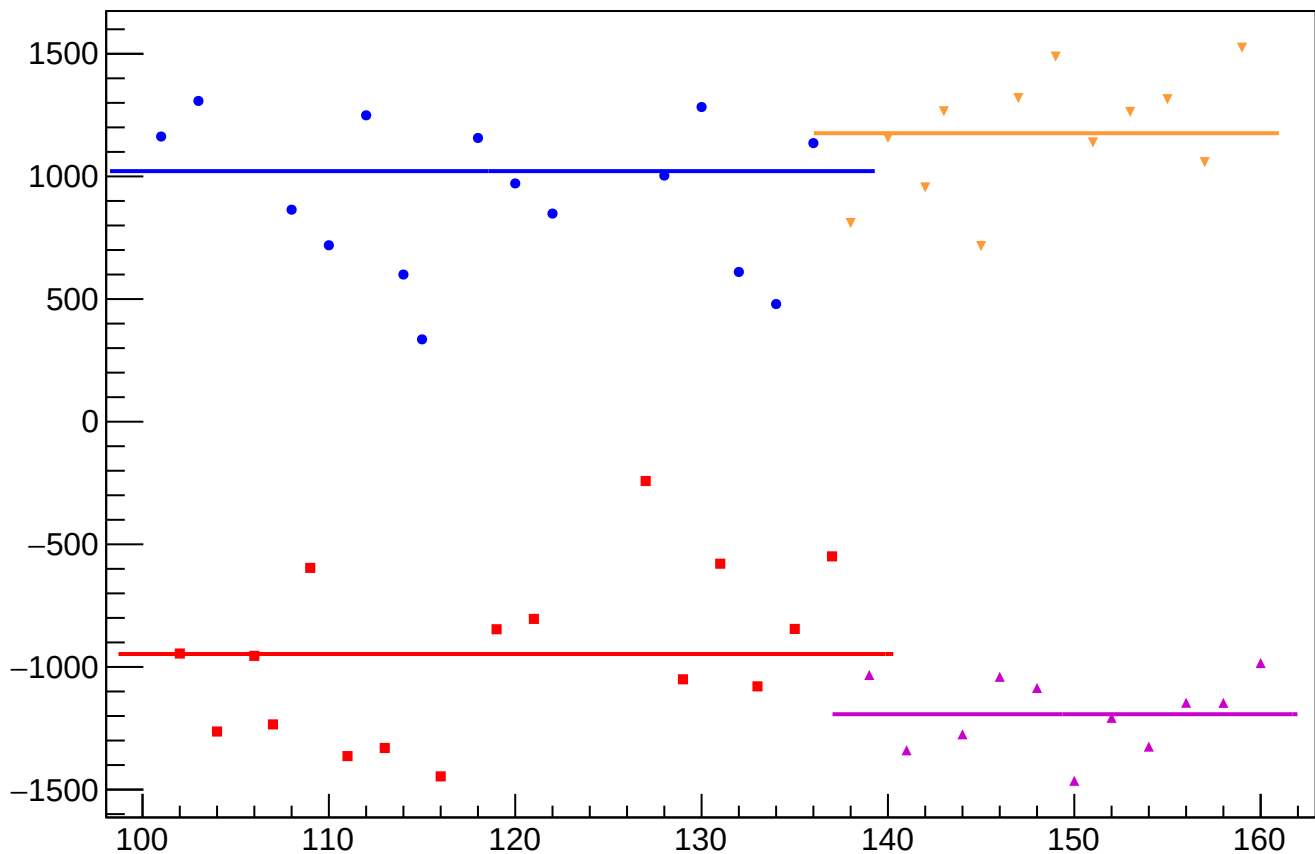
All: 812.523 +/- 0.000 χ^2/NDF : 196090157662

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1958.835 $\pm$ 0.000 χ^2 /NDF: 1189322999631358431600643692981190131712.0/14
 Left Out: 1079.227 $\pm$ 0.000 χ^2 /NDF: 42839458661255724609894406058462412800.0/11
 Right Out: -1797.392 $\pm$ 0.000 χ^2 /NDF: 955096623879958195657195074614240215040.0/15
 Left In: -1136.738 $\pm$ 0.000 χ^2 /NDF: 36660640388160233770492299797174681600.0/10
 All: 3.715 $\pm$ 0.000 χ^2 /NDF: 91309588323558

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

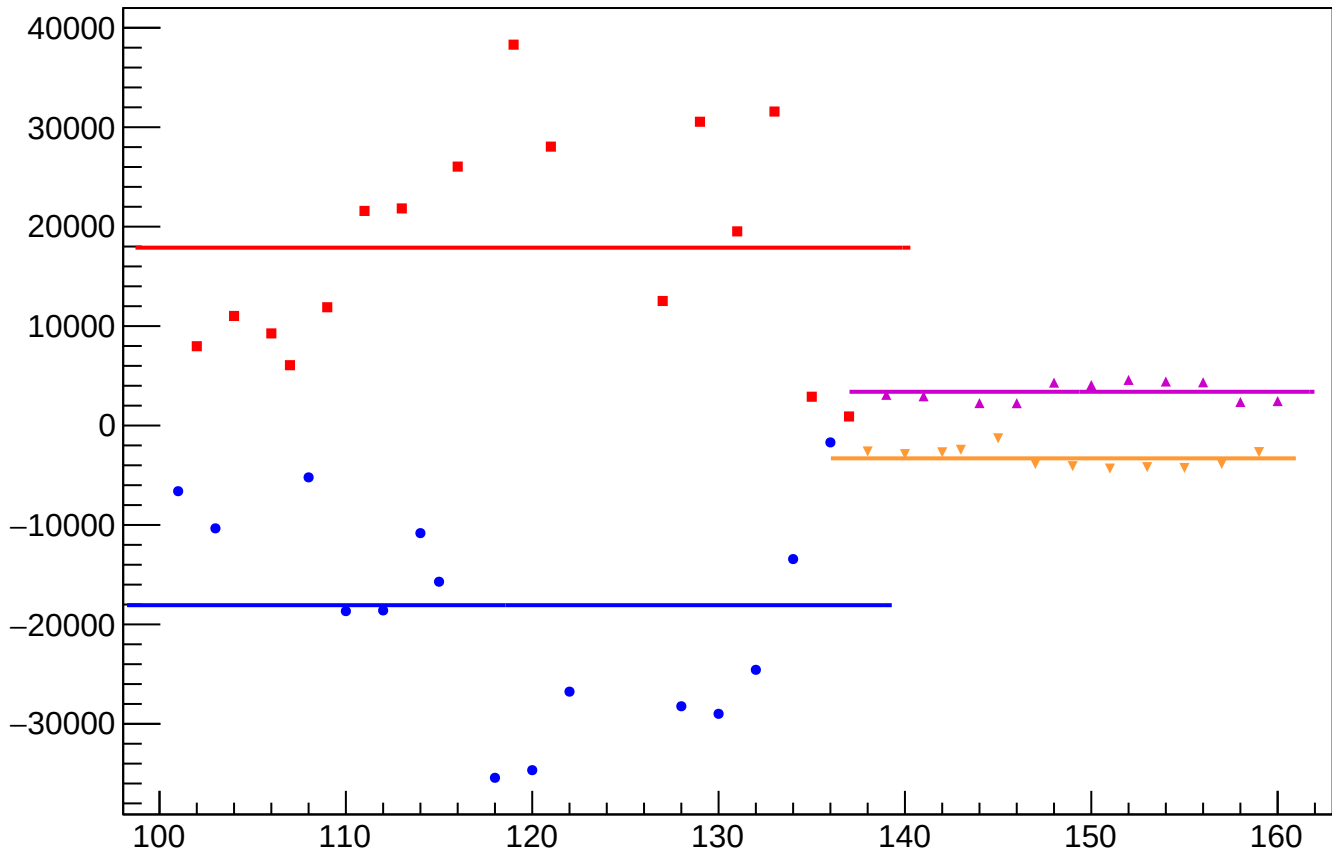
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

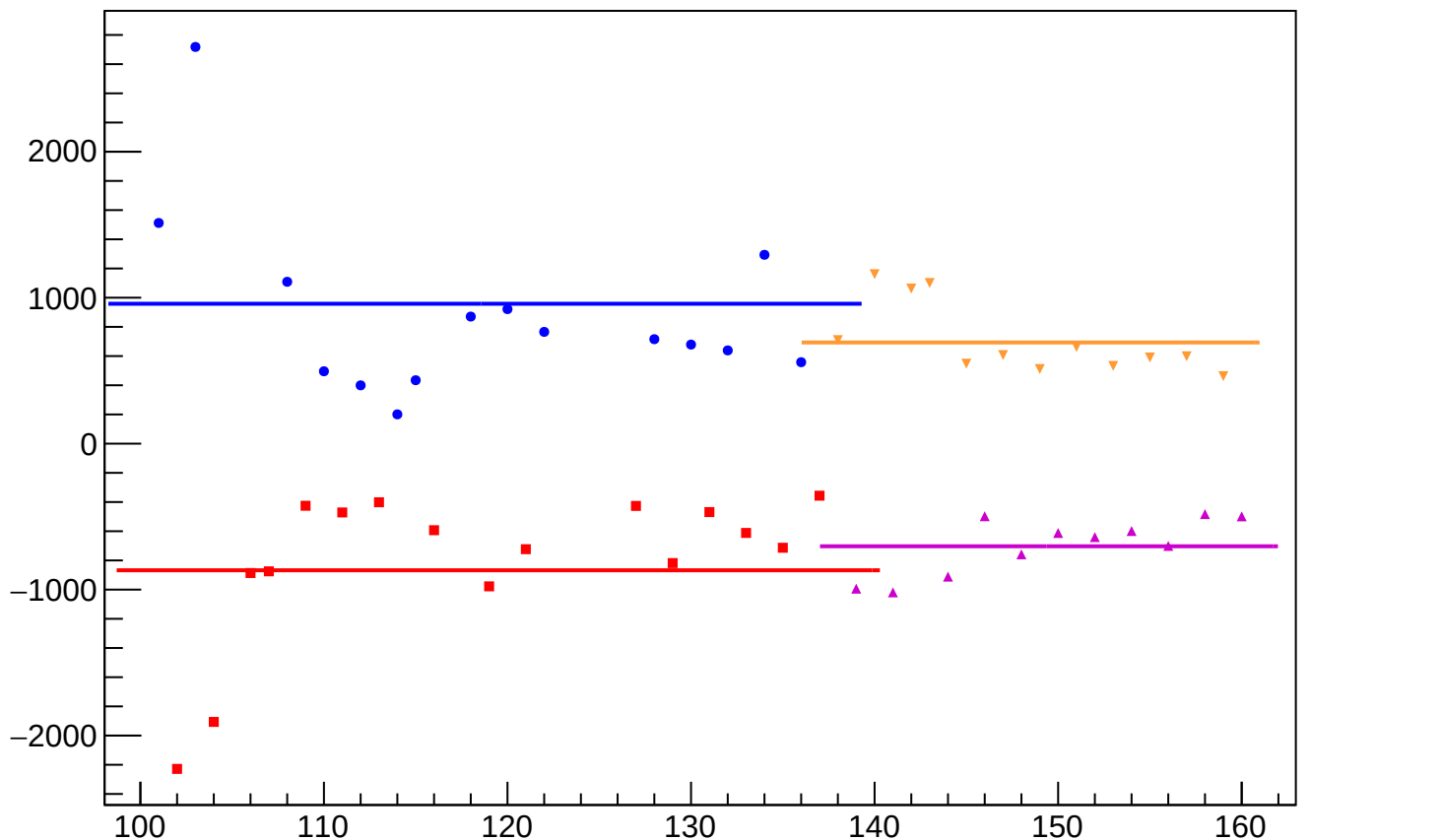
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam3_coil7_mean vs Slug, Sign Corrected



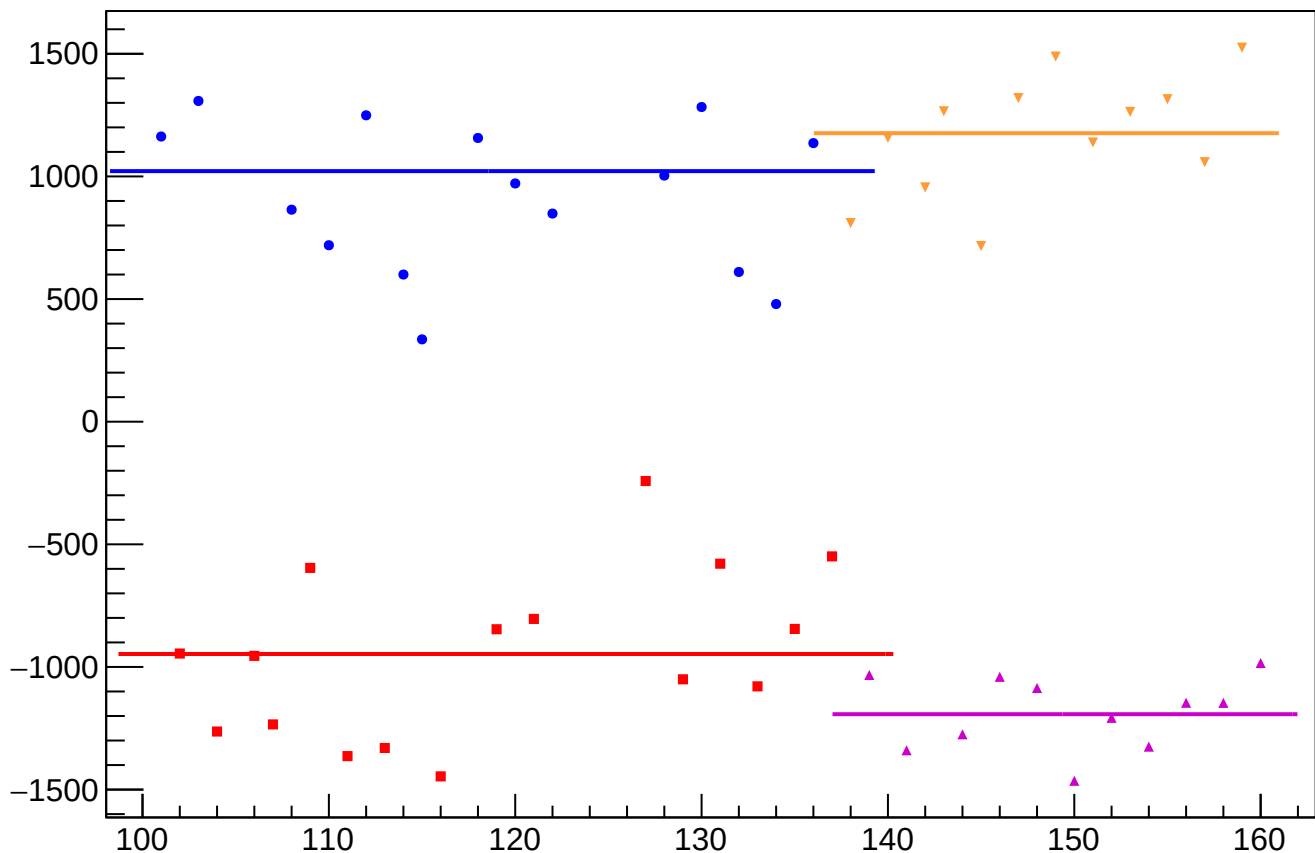
Left: 59.316+/-0.000 χ^2/NDF : 22242147628214783
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Left Out: -3301.165+/-0.000 χ^2/NDF : 804572006868088518224503479729974673408.0/11
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 In: -5460.979+/-0.000 χ^2/NDF : 260733217471185
 Out: 5621.355+/-0.000 χ^2/NDF : 252580420870454
 Left In: 3394.339+/-0.000 χ^2/NDF : 804969095824057391704293669390893711360.0/10
 All: 99.495+/-0.000 χ^2/NDF : 6102466696824

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Left: -7.698 +/- 0.000 χ^2/NDF : 97780669416064476
 Right In: 958.411 +/- 0.000 χ^2/NDF : 264733105058522822278137197070739570688.0/14
 Right: 32.949 +/- 0.000 χ^2/NDF : 1577572239072451
 Left Out: 693.081 +/- 0.000 χ^2/NDF : 48514734468503708126538641267241254912.0/11
 In: -17.622 +/- 0.000 χ^2/NDF : 13492933316249203
 Right Out: -867.538 +/- 0.000 χ^2/NDF : 216129851545166714122252317604488151040.0/15
 Out: 35.927 +/- 0.000 χ^2/NDF : 12050903935202159
 Left In: -703.169 +/- 0.000 χ^2/NDF : 32040531861451426969939944767733366784.0/10
 All: 9.246 +/- 0.000 χ^2/NDF : 25566468703042

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

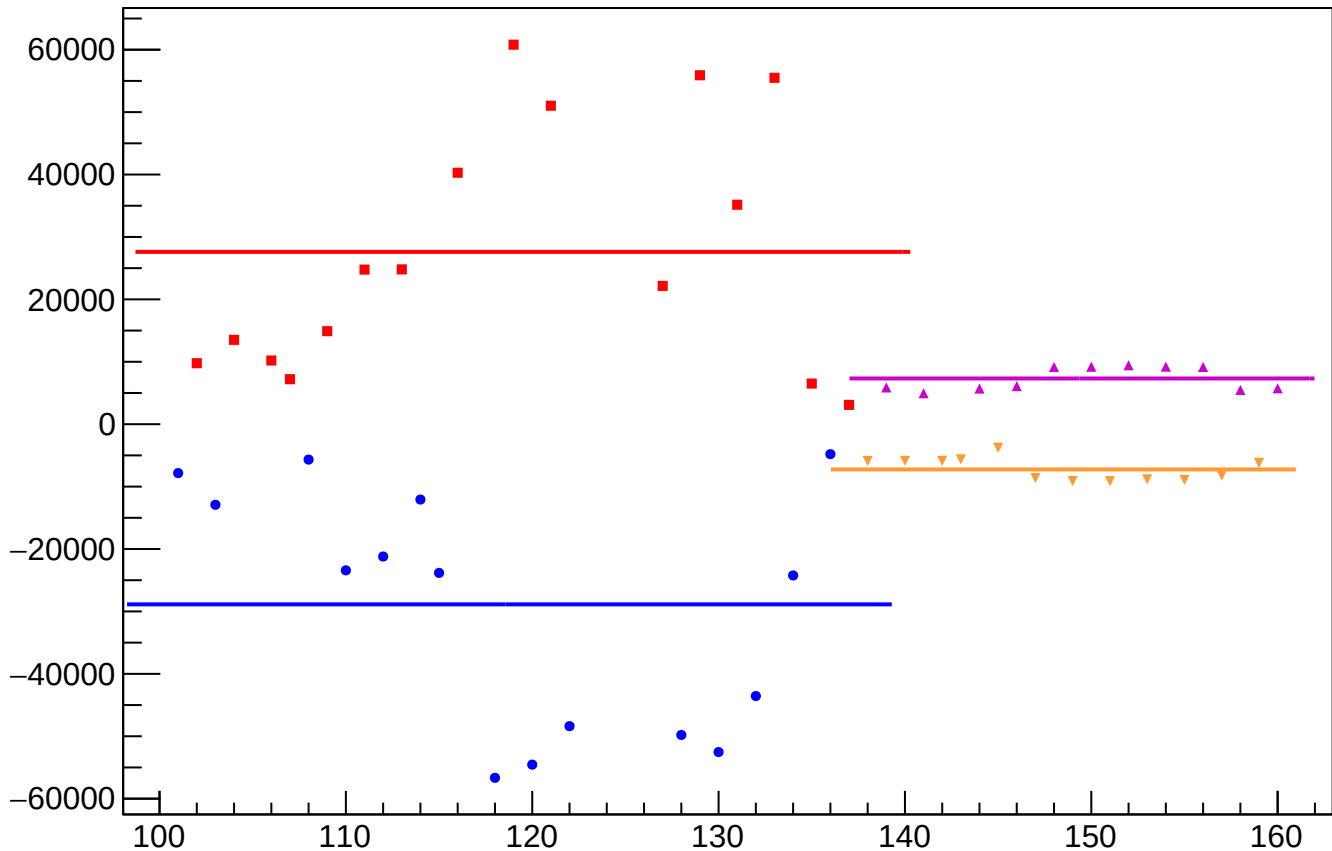
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_sam4_coil7_mean vs Slug, Sign Corrected



Right In: -28868.624+/-0.000

χ^2/NDF : 261450701095727362961367657926584124309504.0/14

Left Out: -7254.077+/-0.000

χ^2/NDF : 2852558880492321663467062466027223777280.0/11

Right Out: 27610.848+/-0.000

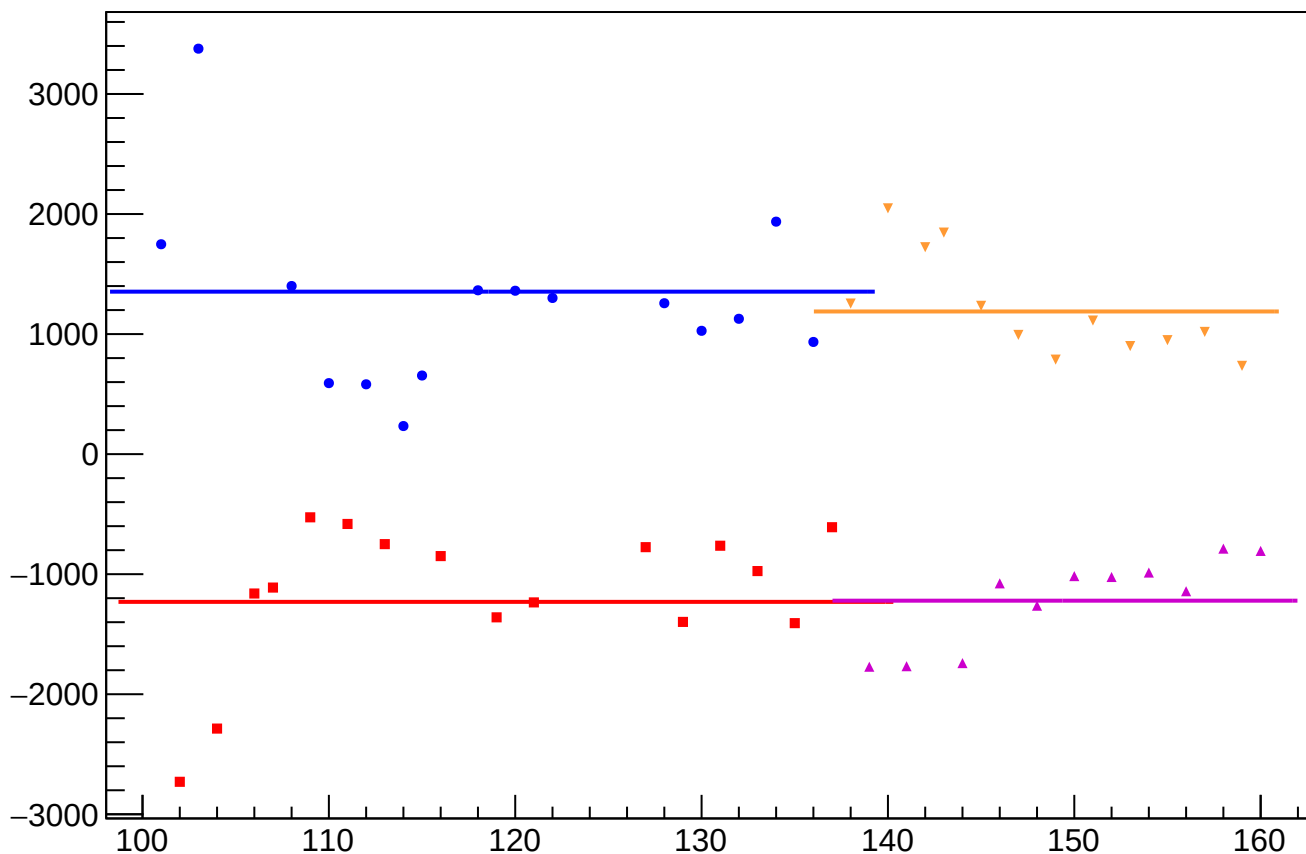
χ^2/NDF : 248097983477523504935751571384400118546432.0/15

Left In: 7325.095+/-0.000

χ^2/NDF : 3045991167952377112422516937599716687872.0/10

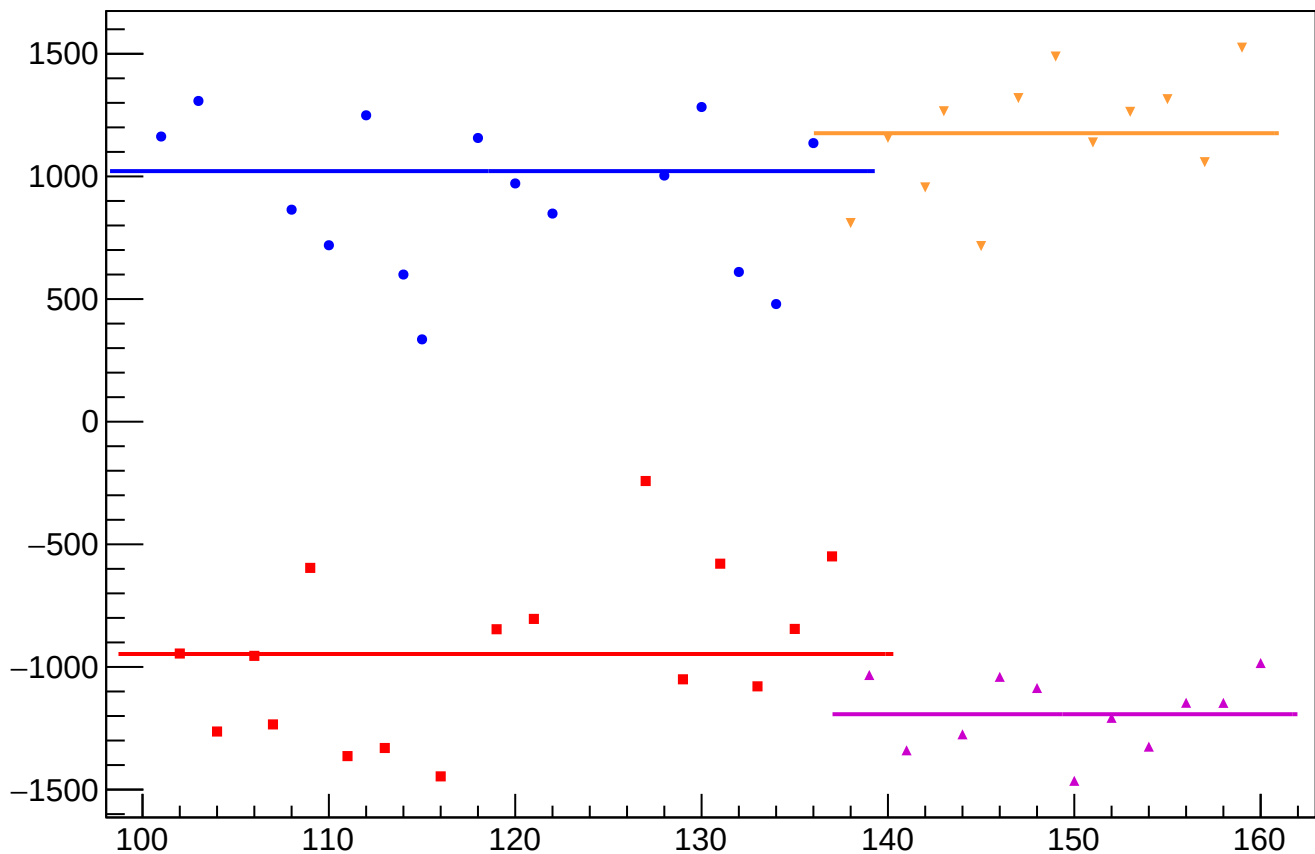
All: -64.270+/-0.000 χ^2/NDF : 166263565673

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



Right In: 1353.413+/-0.000 χ^2/NDF : 352887966702770713373861839880553758720.0/14
 Left Out: 1188.374+/-0.000 χ^2/NDF : 150388636614326916750918220287509004288.0/11
 Right Out: -1230.633+/-0.000 χ^2/NDF : 276989454129150005656872744539903754240.0/15
 Left In: -1220.761+/-0.000 χ^2/NDF : 116296897250486719965341990830940880896.0/10
 All: 6.110+/-0.000 χ^2/NDF : 57673933772965

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

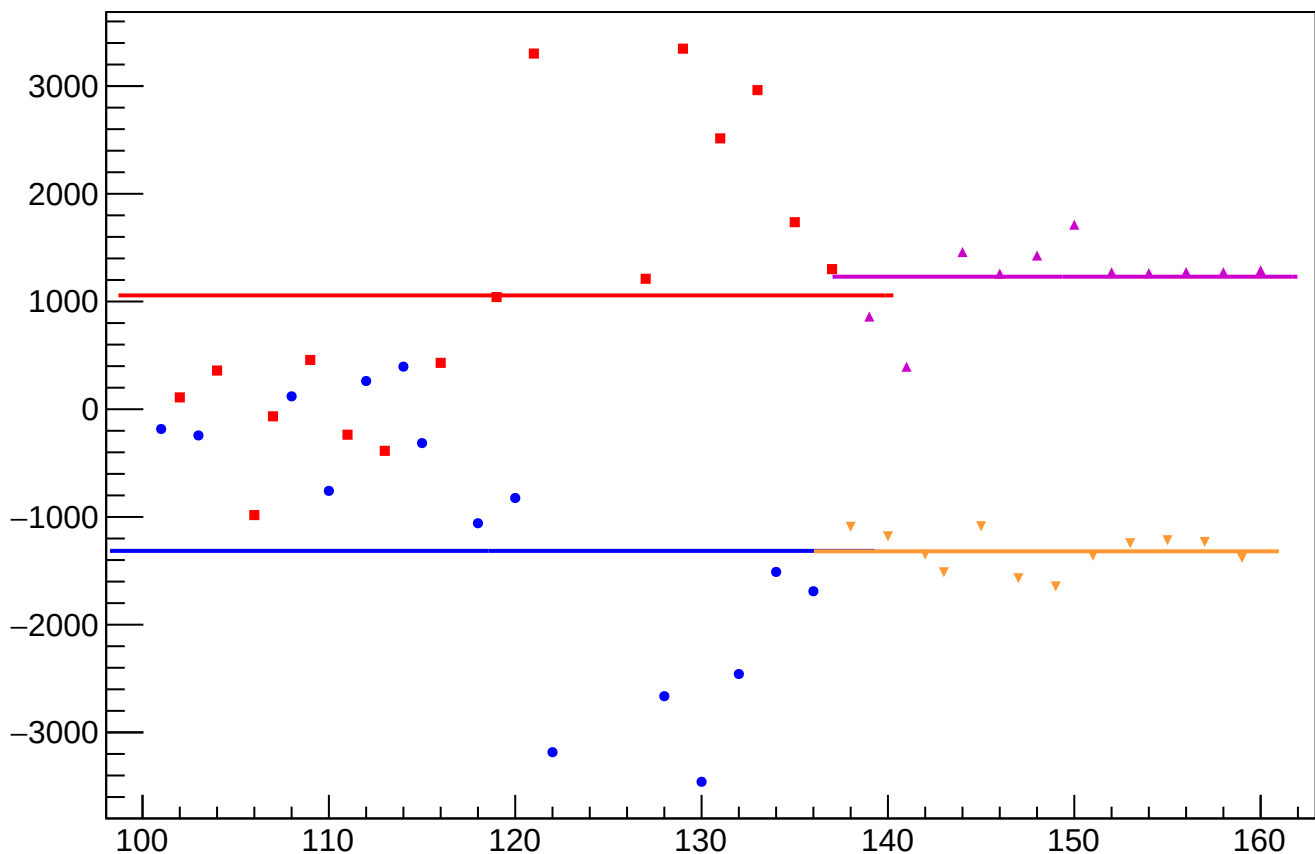
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782+/-0.000

Left Out: -1318.814+/-0.000

Right Out: 1056.765+/-0.000

Left In: 1230.430+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 28738856775554340954745144784441049088.0/11

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 100431691068850056086409132460520505344.0/10

Left: -39.345+/-0.000 χ^2/NDF : 3120127599726201

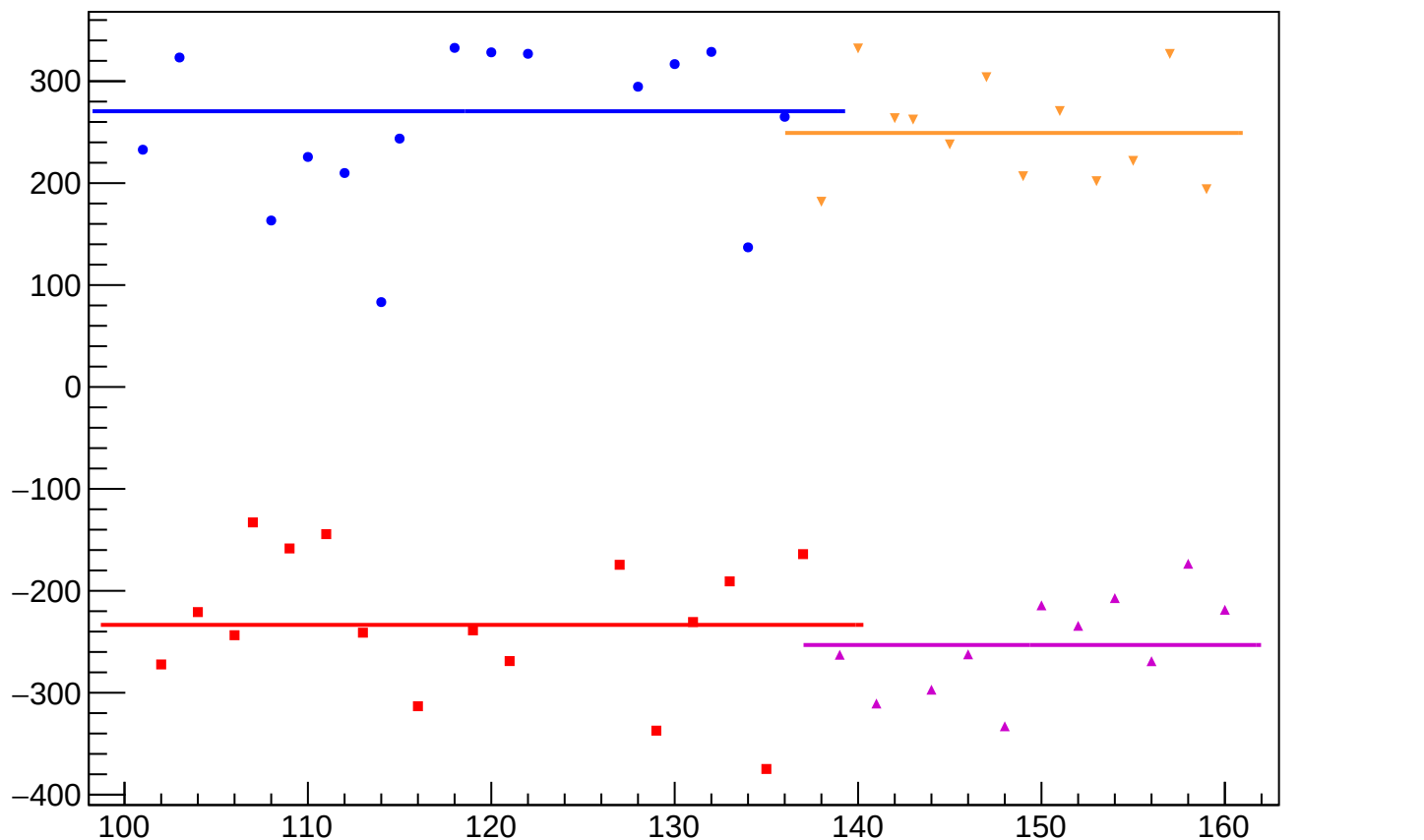
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 180.308+/-0.000 χ^2/NDF : 35361660763294785

Out: -318.491+/-0.000 χ^2/NDF : 333498948748990

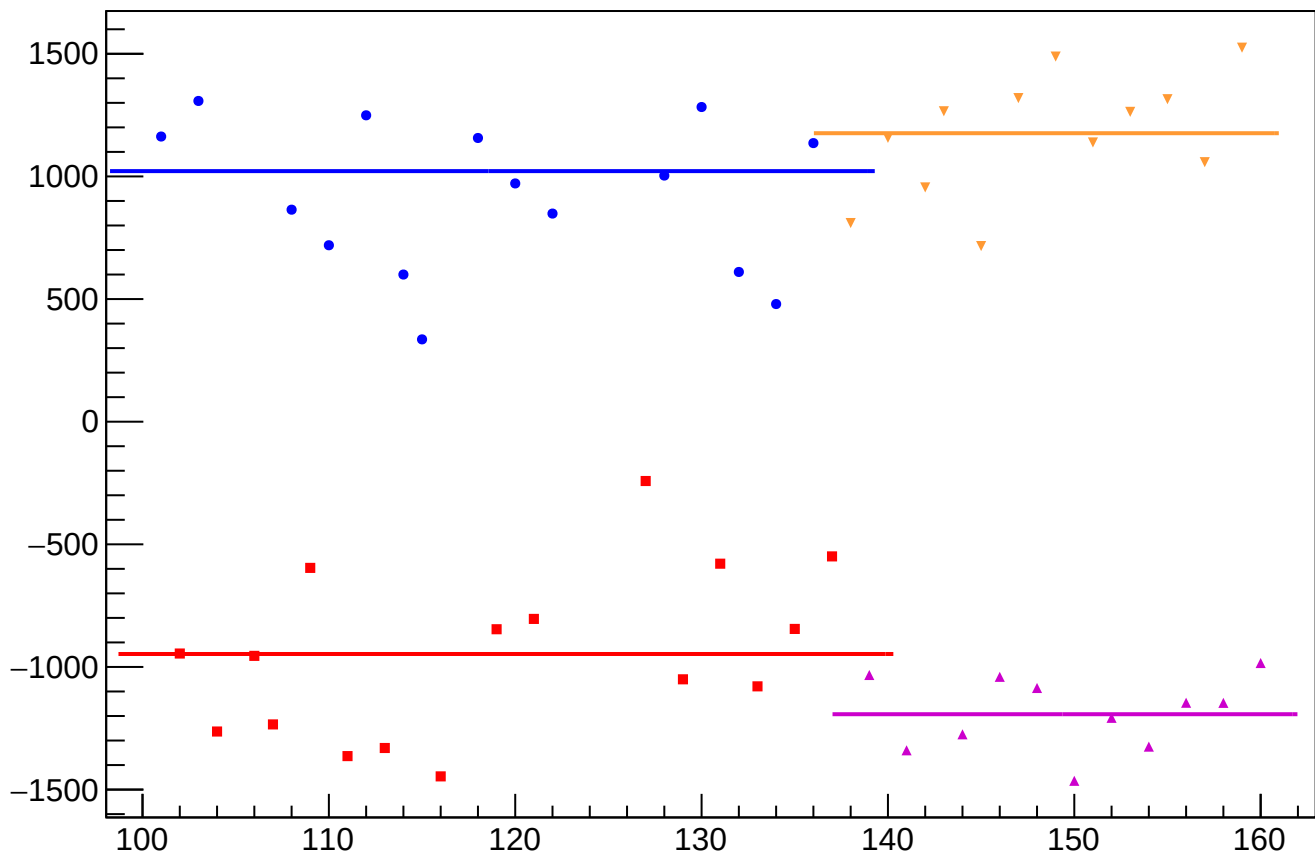
All: -69.961+/-0.000 χ^2/NDF : 706751853981

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



Right In: 270.538 $\pm$ 0.000 χ^2 /NDF: 2473839905347950323907848405170257920.0/14
 Left Out: 249.237 $\pm$ 0.000 χ^2 /NDF: 2339906474360292493064044354333573120.0/11
 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: 4.603 $\pm$ 0.000 χ^2 /NDF: 20979376563720

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

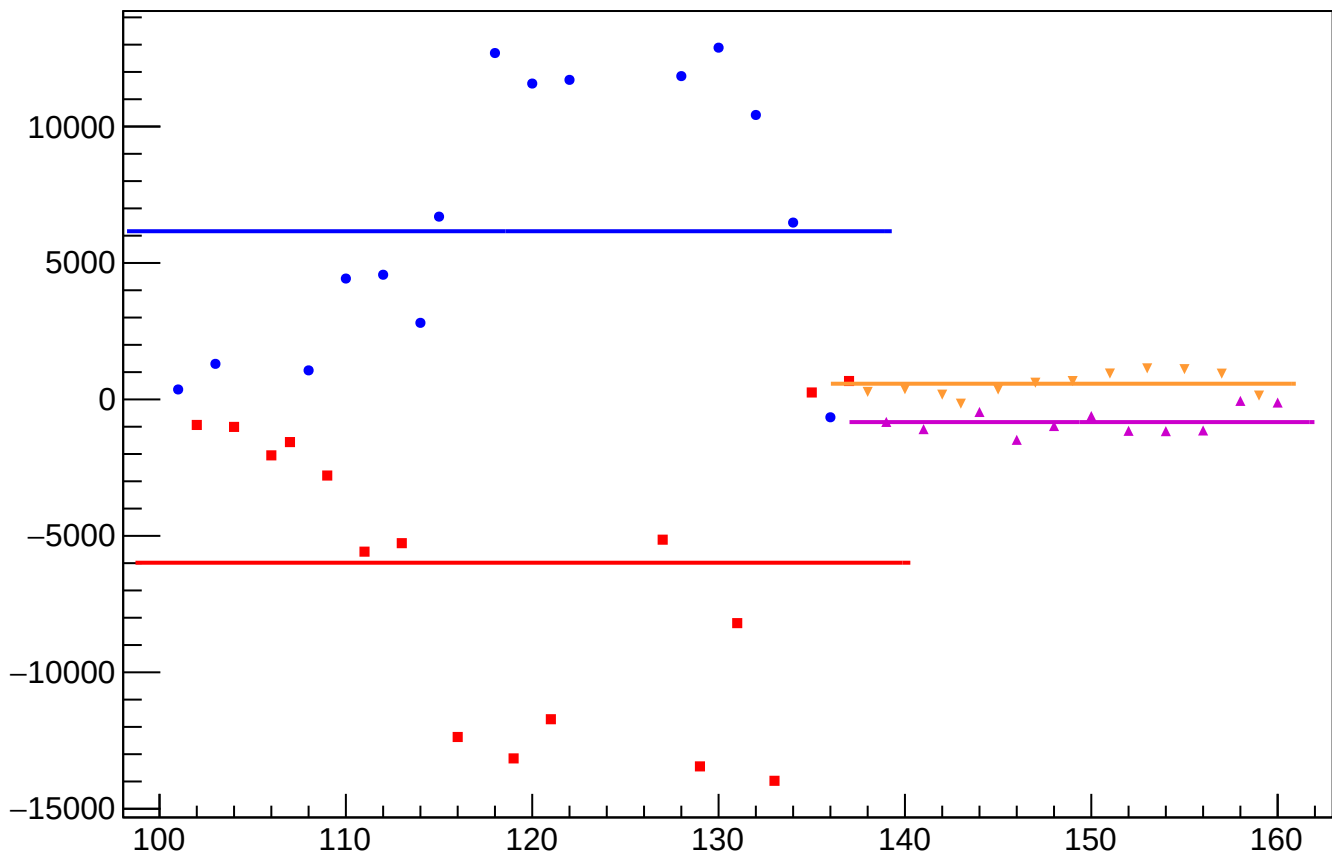
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

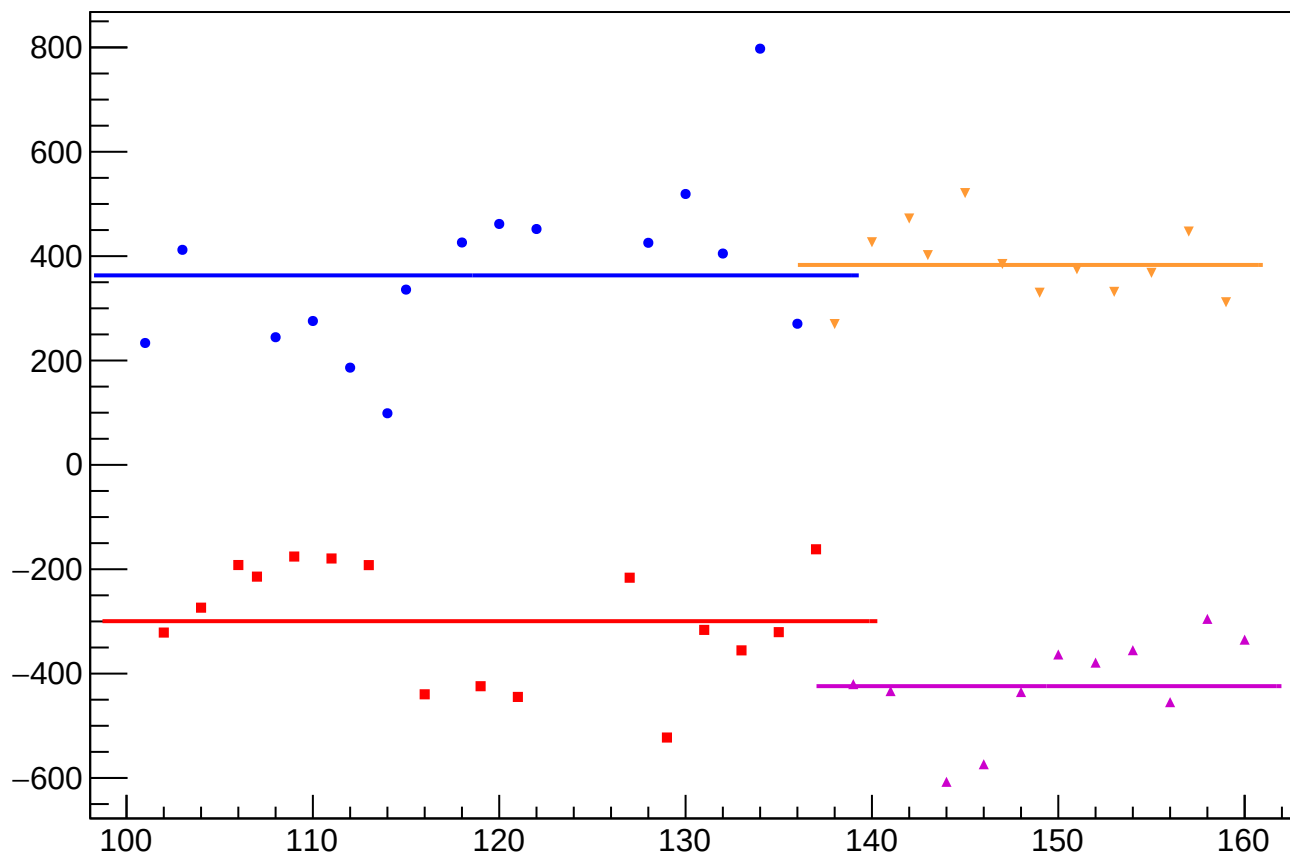
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam6_coil7_mean vs Slug, Sign Corrected



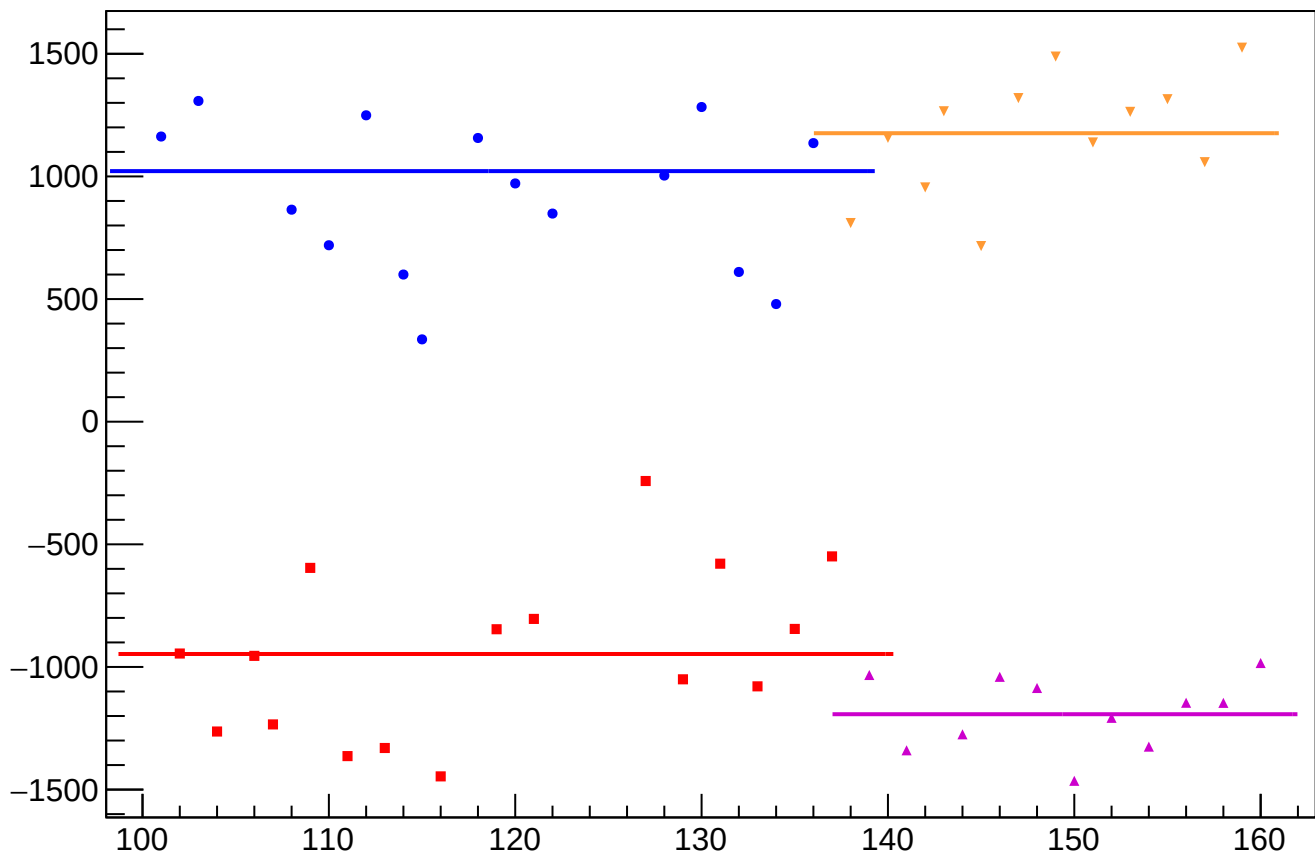
Left: -130.269+/-0.000 χ^2/NDF : 122669407546911
 Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Right: 6.710+/-0.000 χ^2/NDF : 84243130977336022
 Left Out: 575.396+/-0.000 χ^2/NDF : 144552913228066781625188443355564998656.0/11
 In: 2055.062+/-0.000 χ^2/NDF : 3702143048567494
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Out: -2186.621+/-0.000 χ^2/NDF : 34262878323856
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 All: -73.169+/-0.000 χ^2/NDF : 854842243491

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



Right In: 363.133 ± 0.000 $\chi^2/\text{NDF}: 11502791697076456426435998277995331584.0/14$
 Left Out: 383.139 ± 0.000 $\chi^2/\text{NDF}: 4300109581526268747828208718091124736.0/11$
 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: -1.448 ± 0.000 $\chi^2/\text{NDF}: 4774625477045$

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

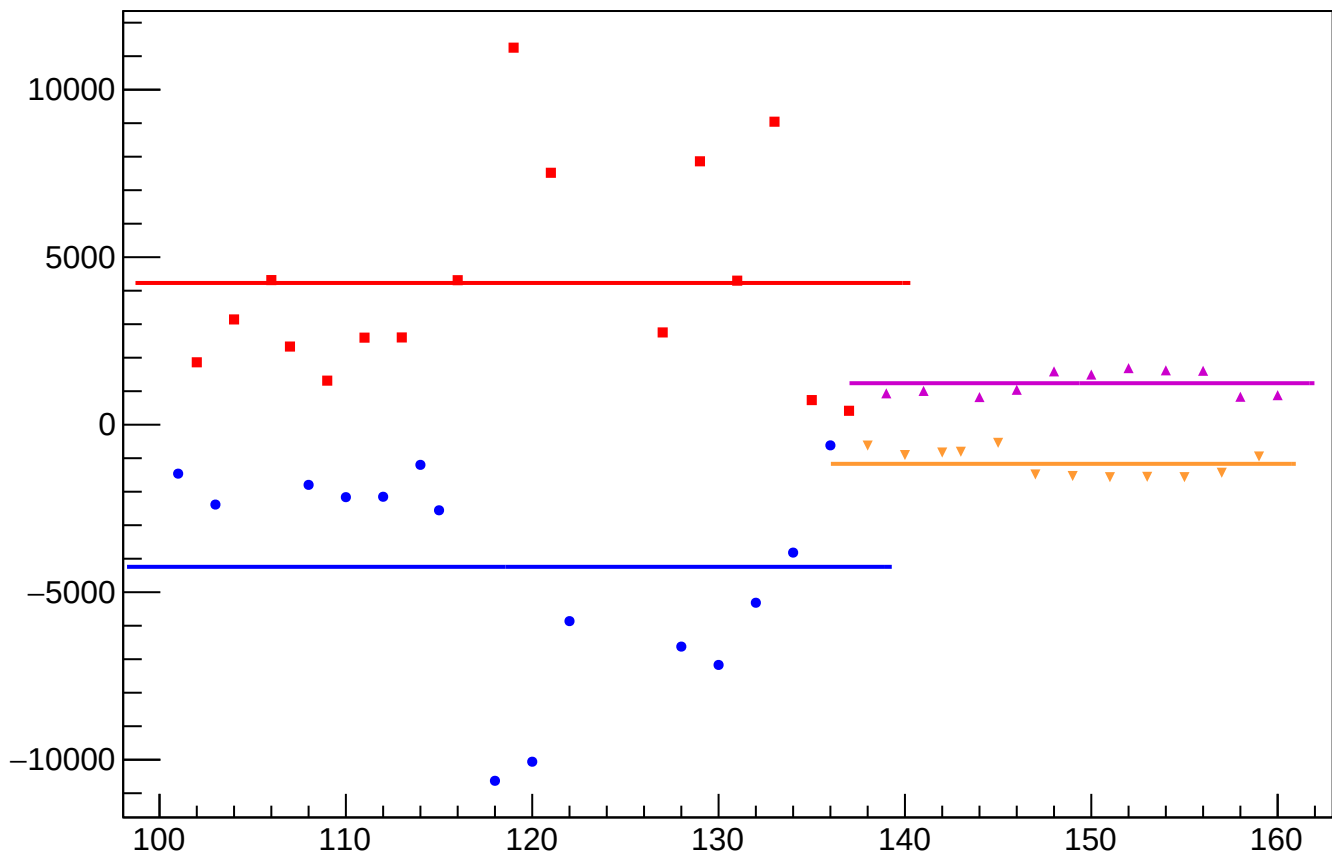
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174+/-0.000

Left Out: -1167.950+/-0.000

Right Out: 4230.978+/-0.000

Left In: 1238.776+/-0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

χ^2/NDF : 140593267041981181070281289588583432192.0/11

χ^2/NDF : 6682409528103016752204343573740930465792.0/15

χ^2/NDF : 111339045659652616720712870833504124928.0/10

Left: 39.988+/-0.000 χ^2/NDF : 29178145228933174

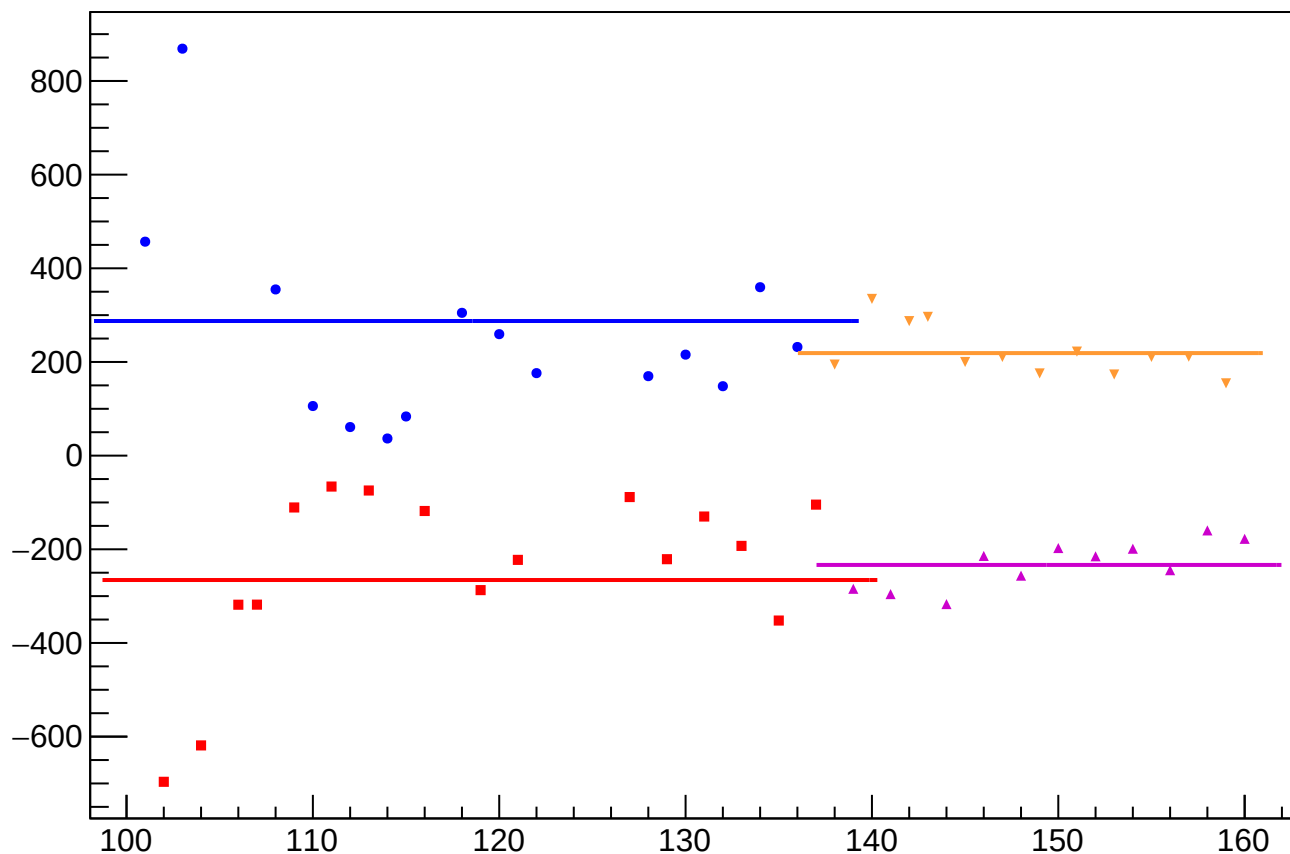
Right: 52.349+/-0.000 χ^2/NDF : 3708179263230228

In: -1022.595+/-0.000 χ^2/NDF : 183472960455815

Out: 1105.462+/-0.000 χ^2/NDF : 180782523773145

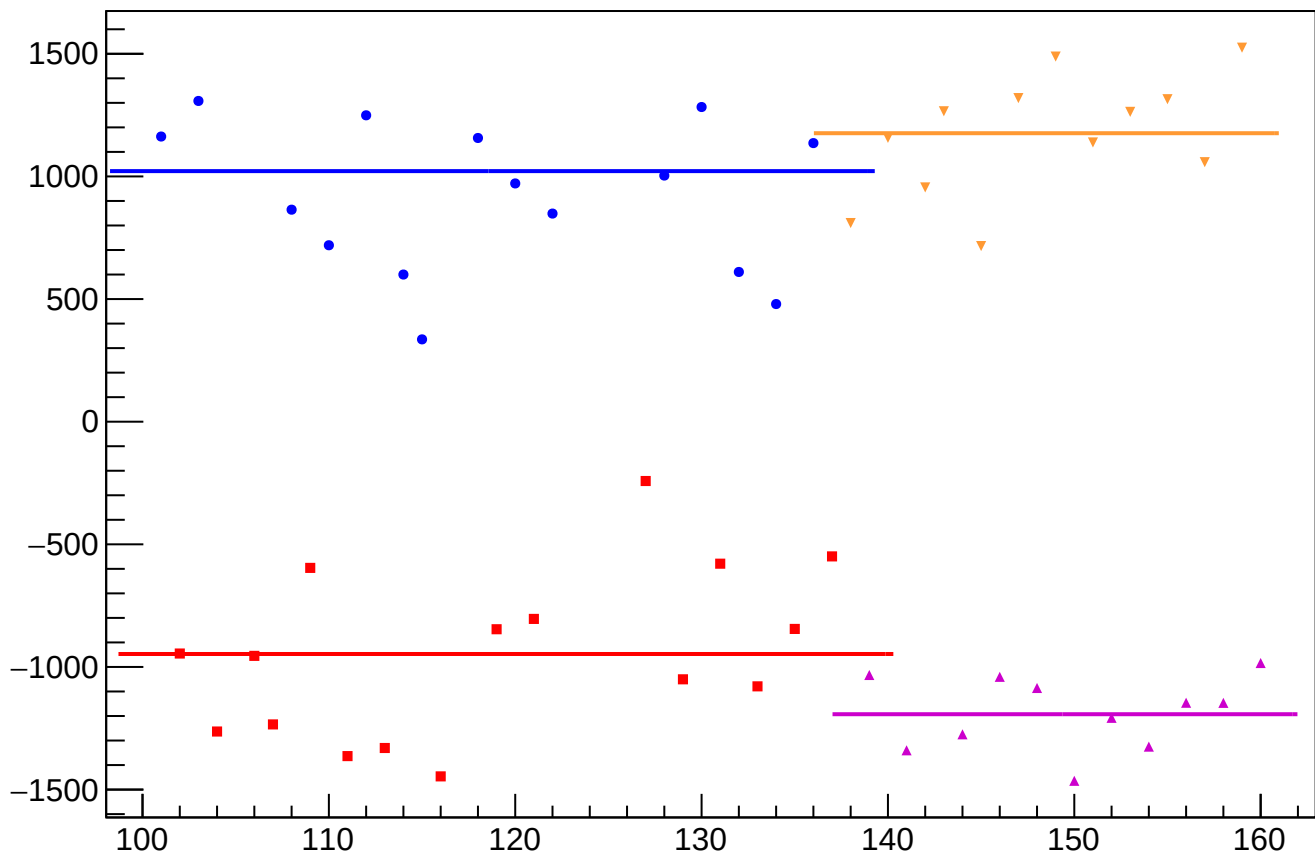
All: 45.141+/-0.000 χ^2/NDF : 3999972440310

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460 ± 0.000 $\chi^2/\text{NDF}: 29517044144826155936619151581366976512.0/14$
 Left Out: 218.953 ± 0.000 $\chi^2/\text{NDF}: 2475213997163419950481199473566416896.0/11$
 Right Out: -265.593 ± 0.000 $\chi^2/\text{NDF}: 25843263106329059274985499259066908672.0/15$
 Left In: -233.397 ± 0.000 $\chi^2/\text{NDF}: 2171341737989359237753599766499950592.0/10$
 All: -1.732 ± 0.000 $\chi^2/\text{NDF}: 2549717132605$

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242+/-0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145+/-0.000

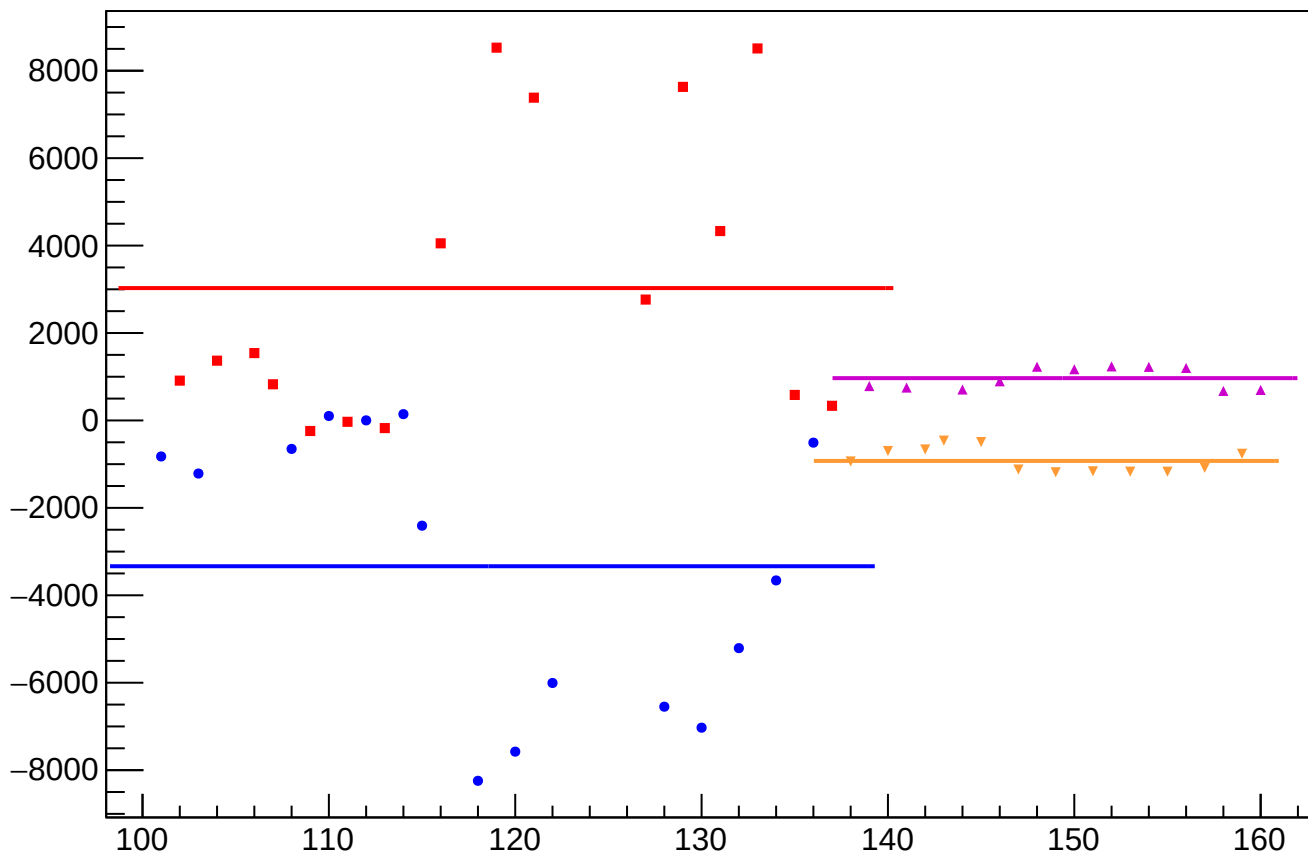
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687+/-0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

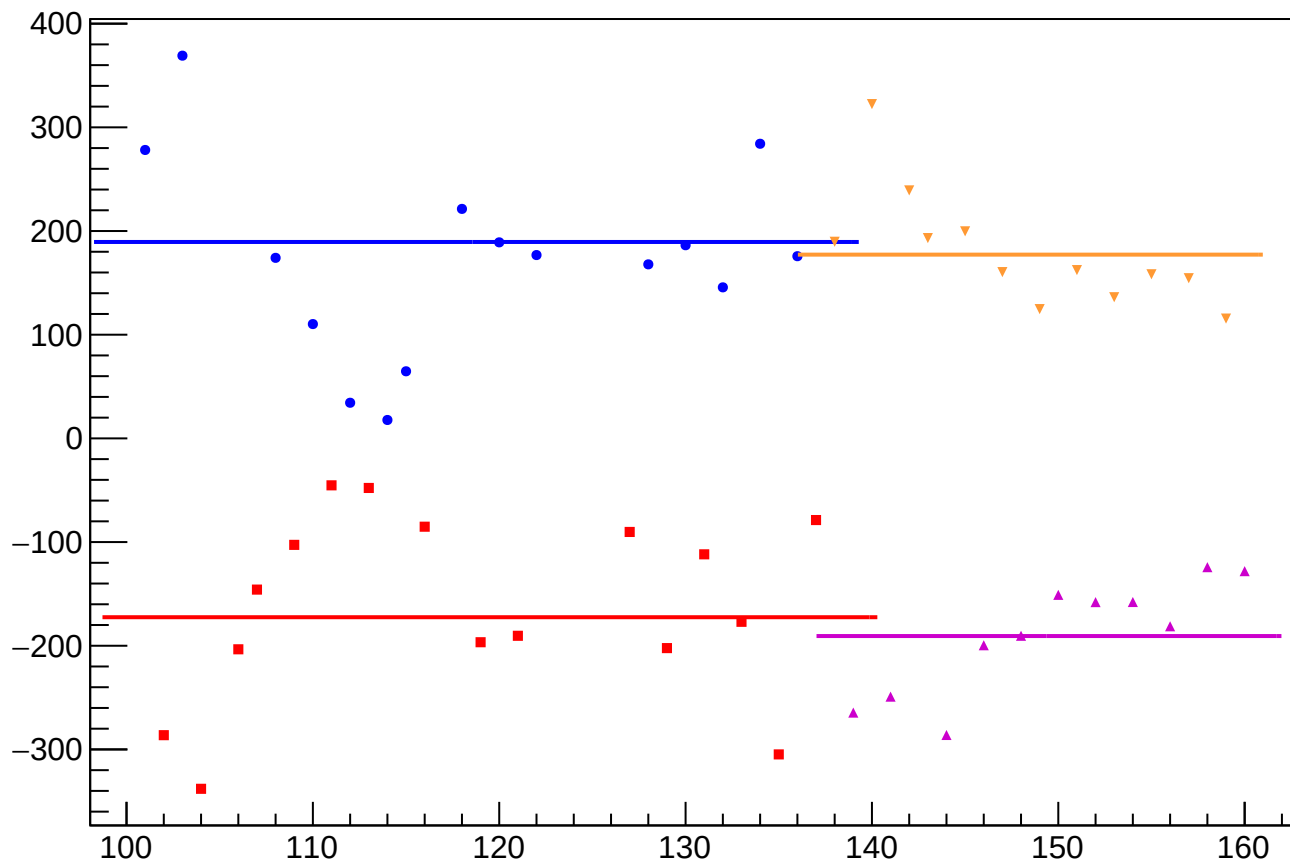
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_sam8_coil7_mean vs Slug, Sign Corrected



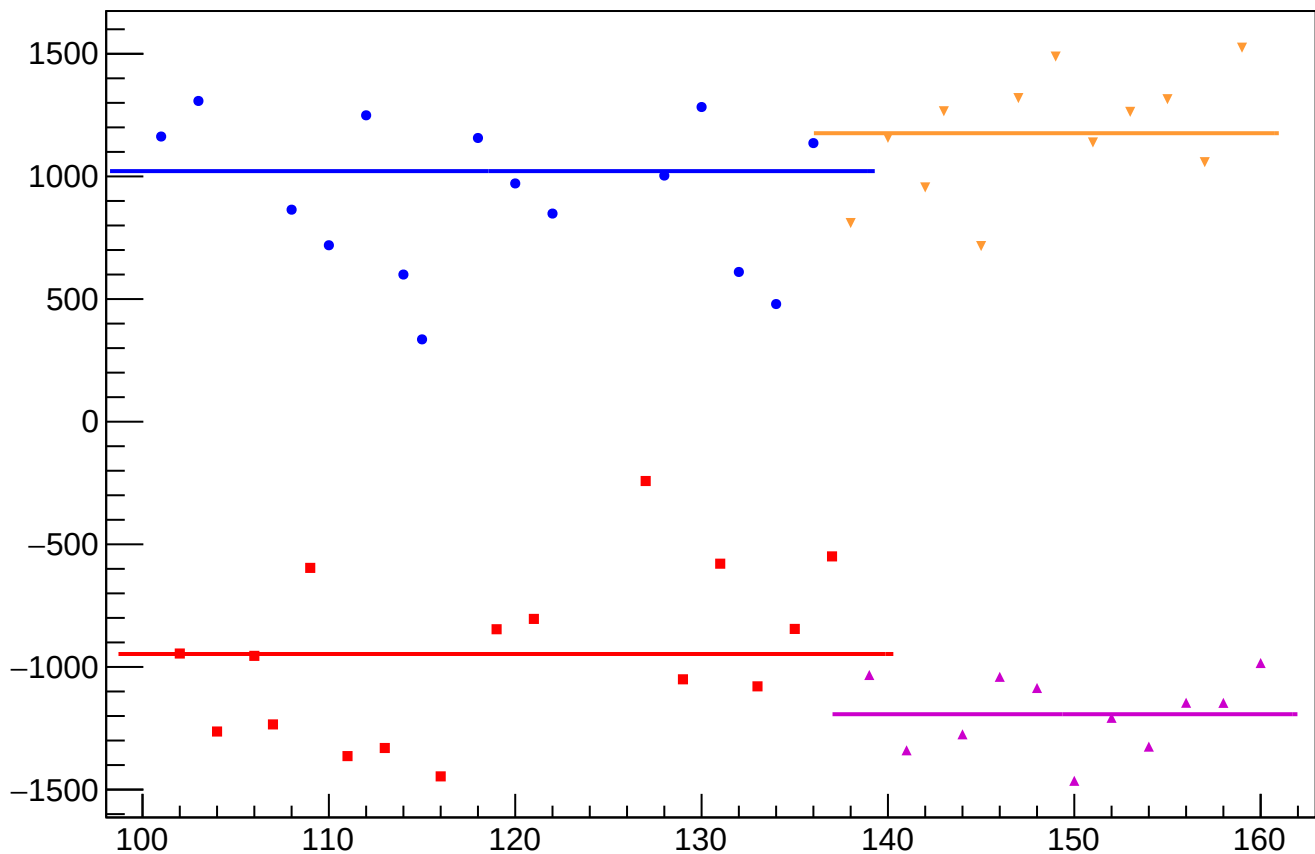
Left: 24.472+/-0.000 χ^2/NDF : 17654705988935665
 Right: -110.320+/-0.000 χ^2/NDF : 26741707536001
 In: -807.730+/-0.000 χ^2/NDF : 1344782221758095
 Out: 738.908+/-0.000 χ^2/NDF : 1318536484982862
 All: -31.716+/-0.000 χ^2/NDF : 285211212597

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Left Out: 177.229 +/- 0.000 χ^2/NDF : 2763689981014700365307320120704499712.0/11
 Right Out: -172.485 +/- 0.000 χ^2/NDF : 5594813408996728261938711470404534272.0/15
 Left In: -190.641 +/- 0.000 χ^2/NDF : 2536070386684067132001548898091925504.0/10
 All: -1.816 +/- 0.000 χ^2/NDF : 1211116539519

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

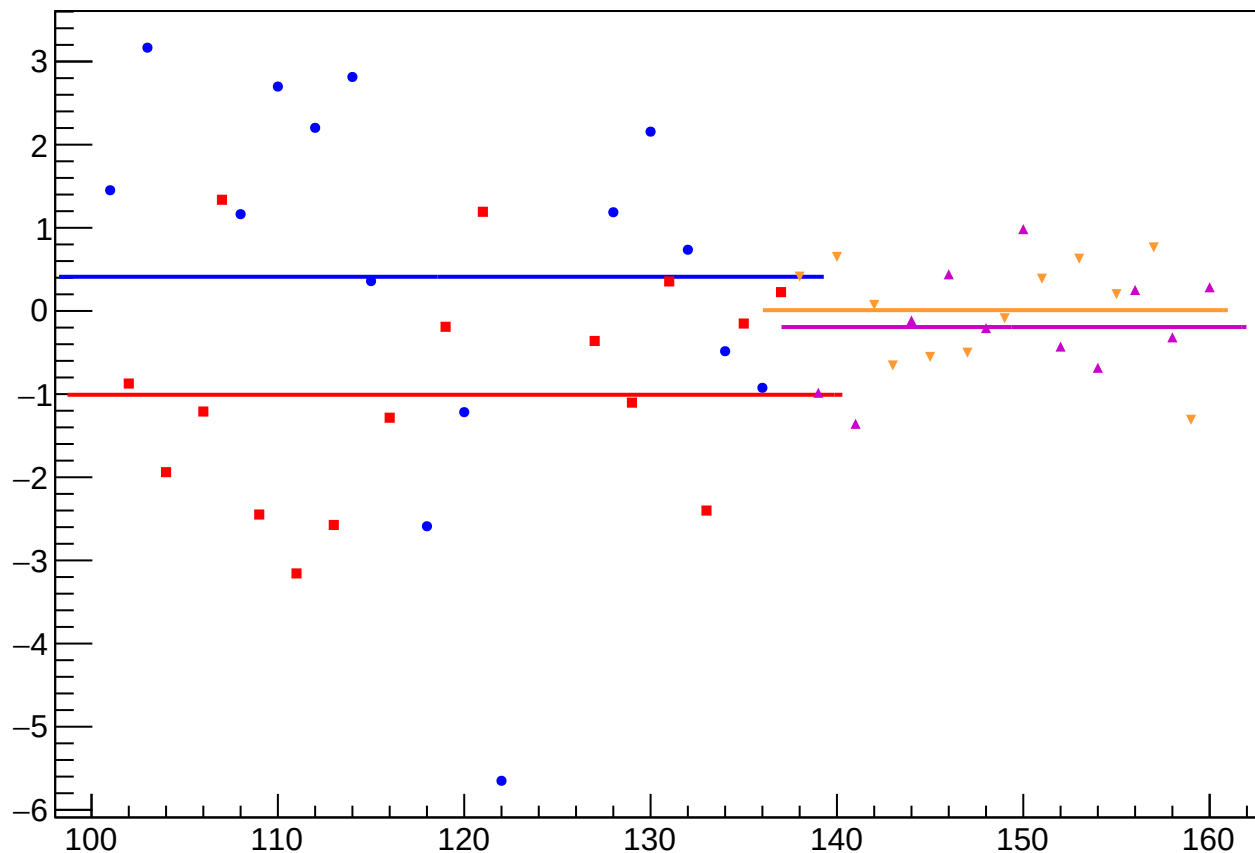
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

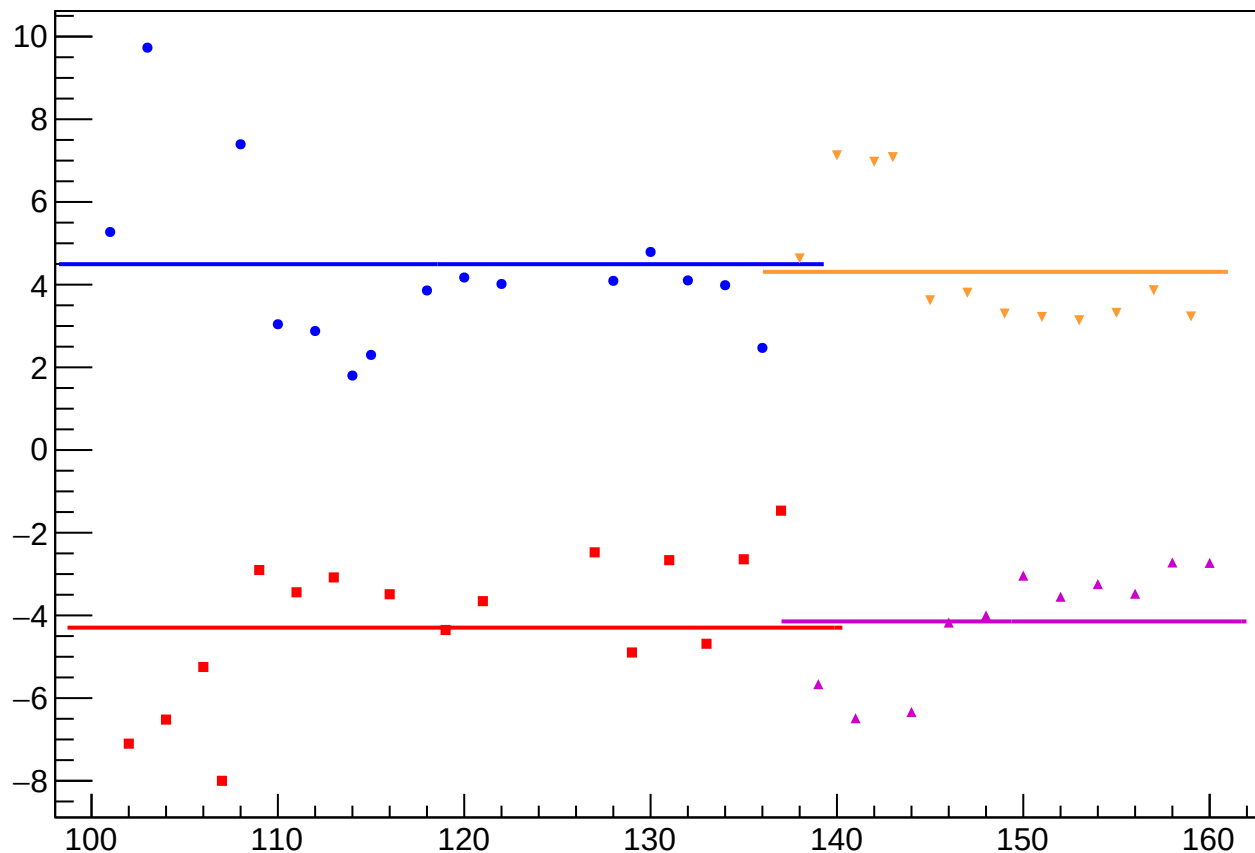
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_4aX_coil4_mean vs Slug, Sign Corrected



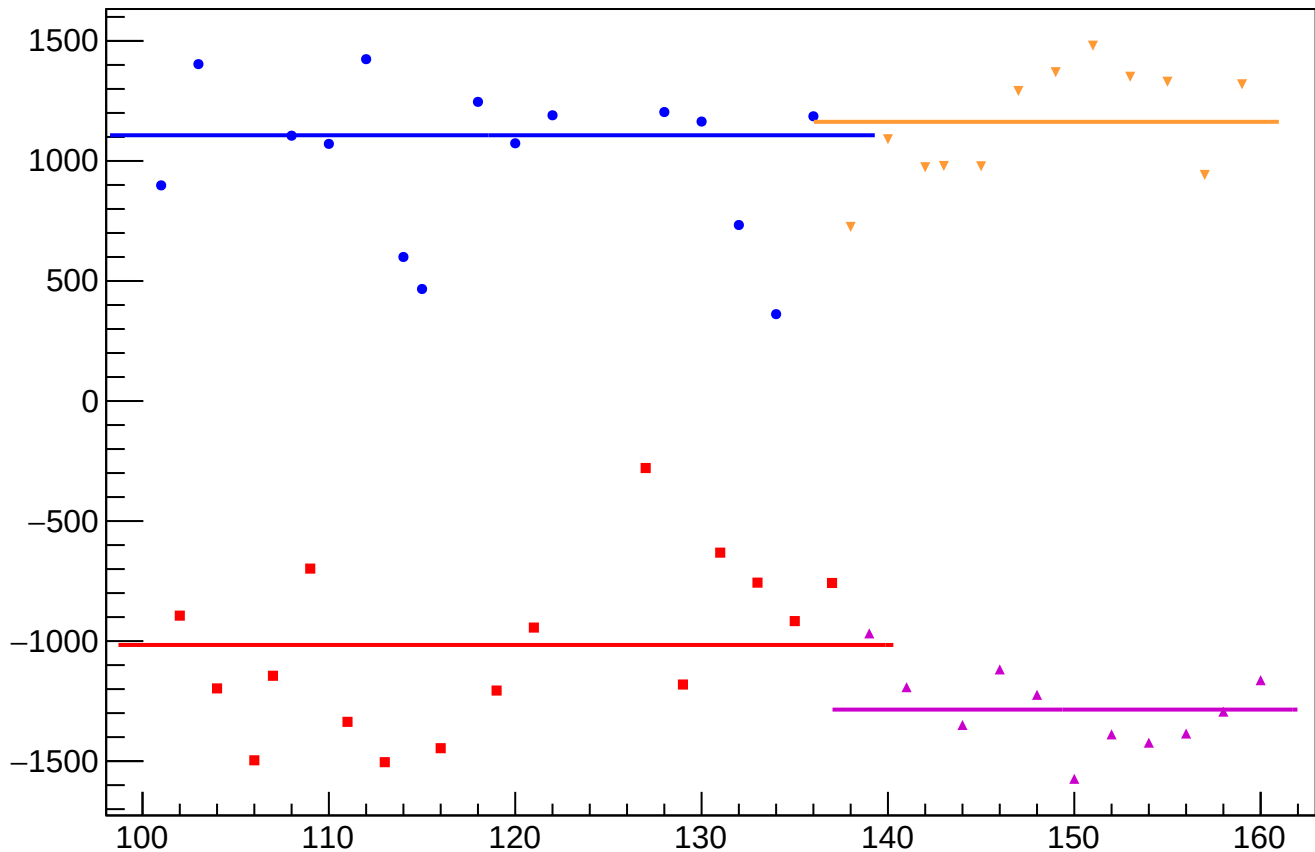
Right In: 0.411+/-0.000 χ^2/NDF : 3385573506255563170053089820409856.0/14
 Left Out: 0.010+/-0.000 χ^2/NDF : 353620786406369007663734375579648.0/11
 Right Out: -1.008+/-0.000 χ^2/NDF : 1128402228144096394498047410700288.0/15
 Left In: -0.193+/-0.000 χ^2/NDF : 386133523330033860307880234713088.0/10
 All: -0.182+/-0.000 χ^2/NDF : 5970744078372

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



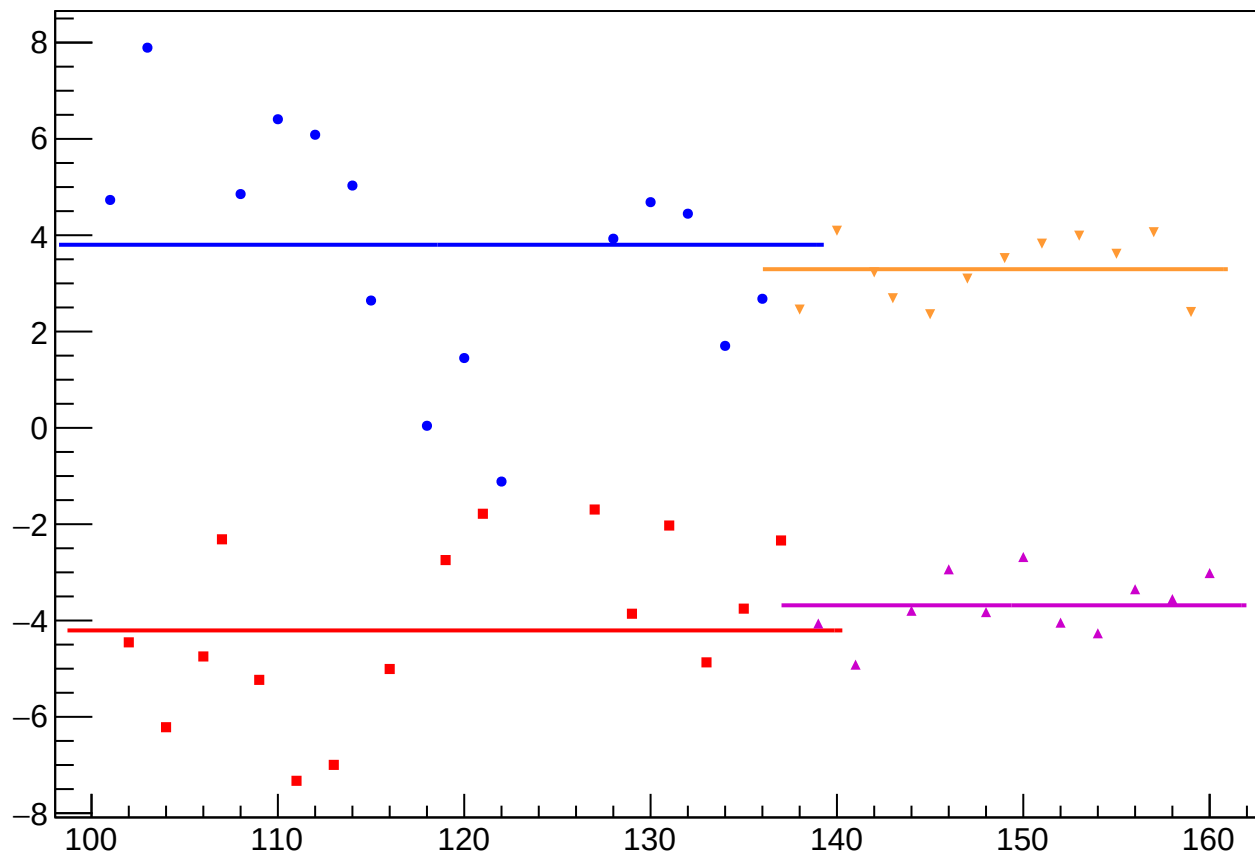
Right In: 4.495+/-0.000 χ^2/NDF : 2742240072441097531500728791597056.0/14
 Left Out: 4.310+/-0.000 χ^2/NDF : 2040592298318690802405823572082688.0/11
 Right Out: -4.296+/-0.000 χ^2/NDF : 2011925707062051890381007475441664.0/15
 Left In: -4.145+/-0.000 χ^2/NDF : 1645942604303349608571849827942400.0/10
 All: 0.055+/-0.000 χ^2/NDF : 66761434999463.0/40

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



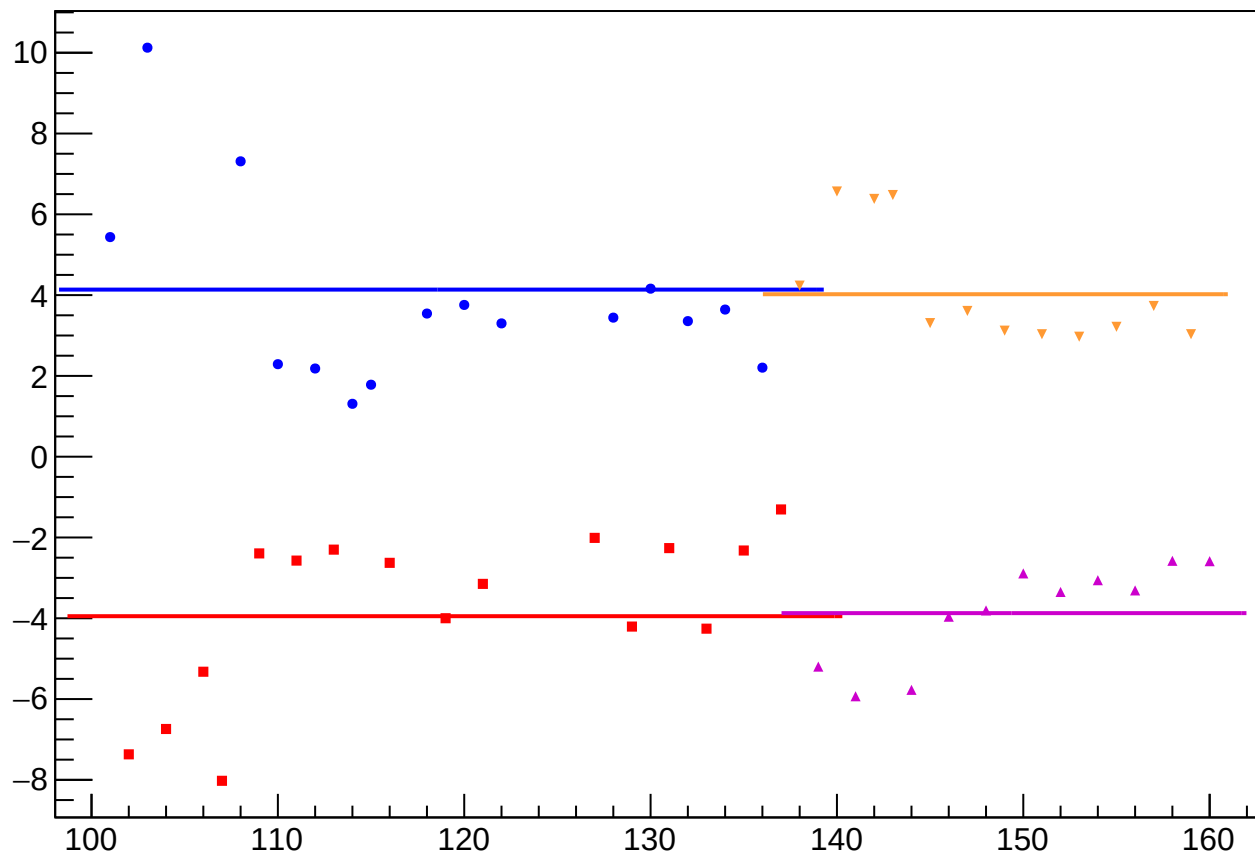
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_4eX_coil4_mean vs Slug, Sign Corrected



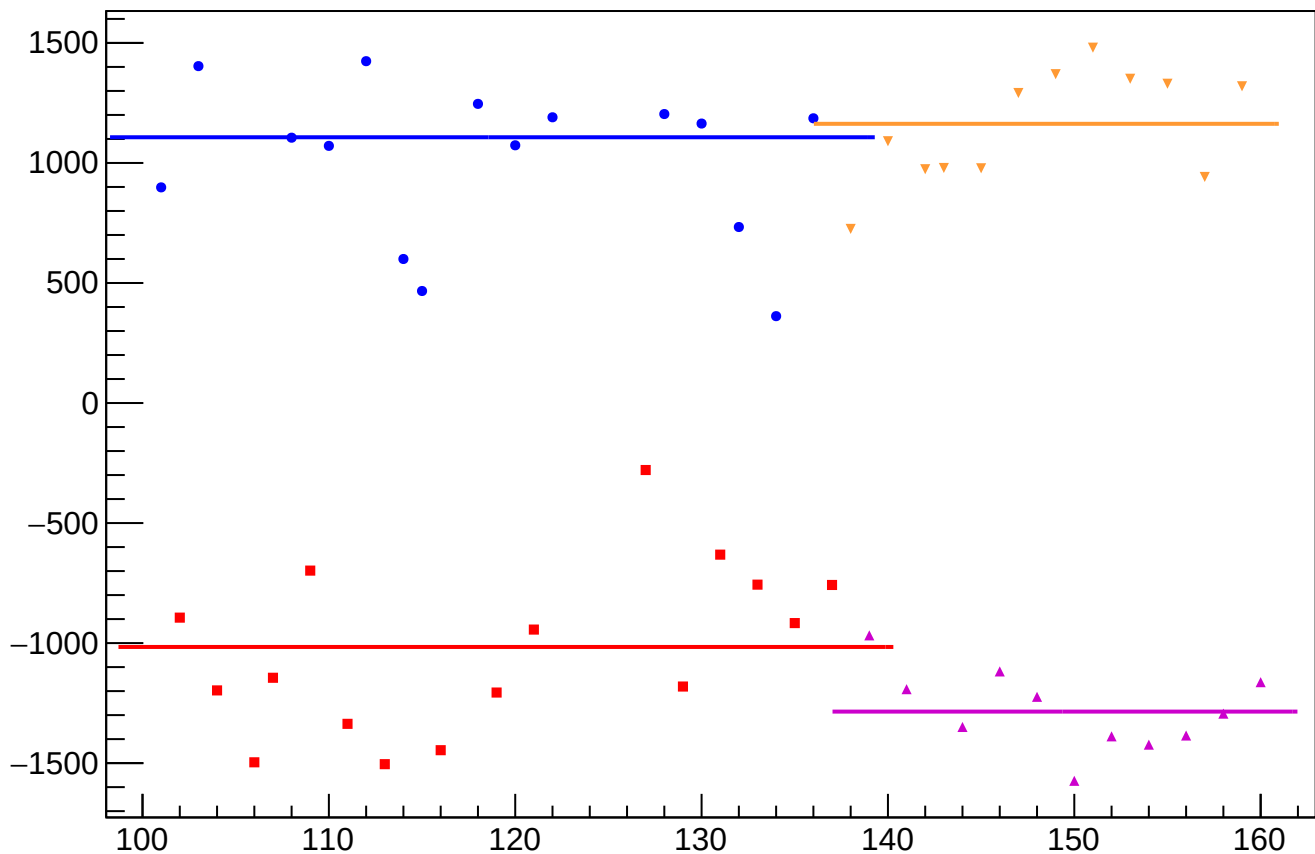
Right In: 3.802 ± 0.000 $\chi^2/\text{NDF}: 3795476074398338930564700657680384.0/14$
 Left Out: 3.295 ± 0.000 $\chi^2/\text{NDF}: 390847239589673517583250386583552.0/11$
 Right Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 2096427813341454573332265183477760.0/15$
 Left In: -3.684 ± 0.000 $\chi^2/\text{NDF}: 366001419656422310601850072596480.0/10$
 All: -0.228 ± 0.000 $\chi^2/\text{NDF}: 5015899532000$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



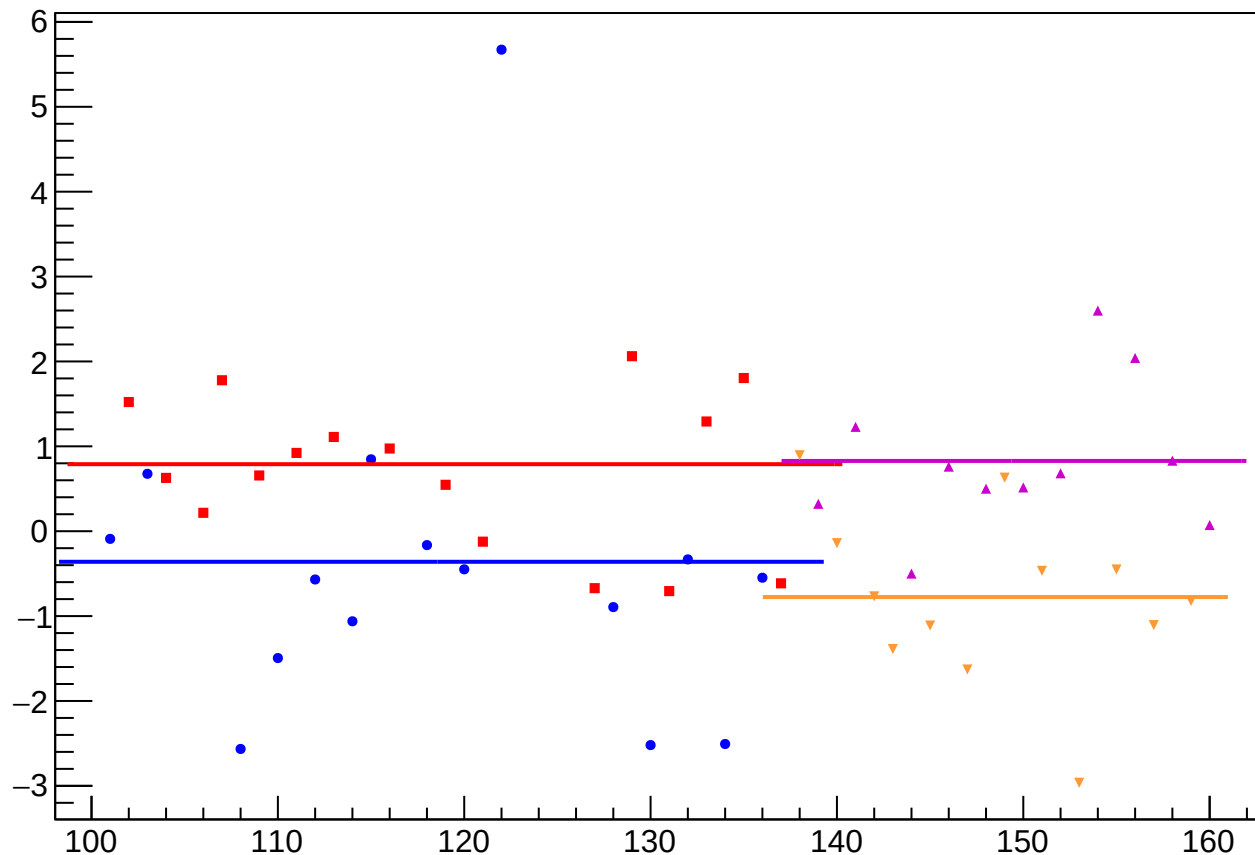
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.022 $\pm$ 0.000 χ^2 /NDF: 1623918055405441678672358958694400.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59266421309858

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



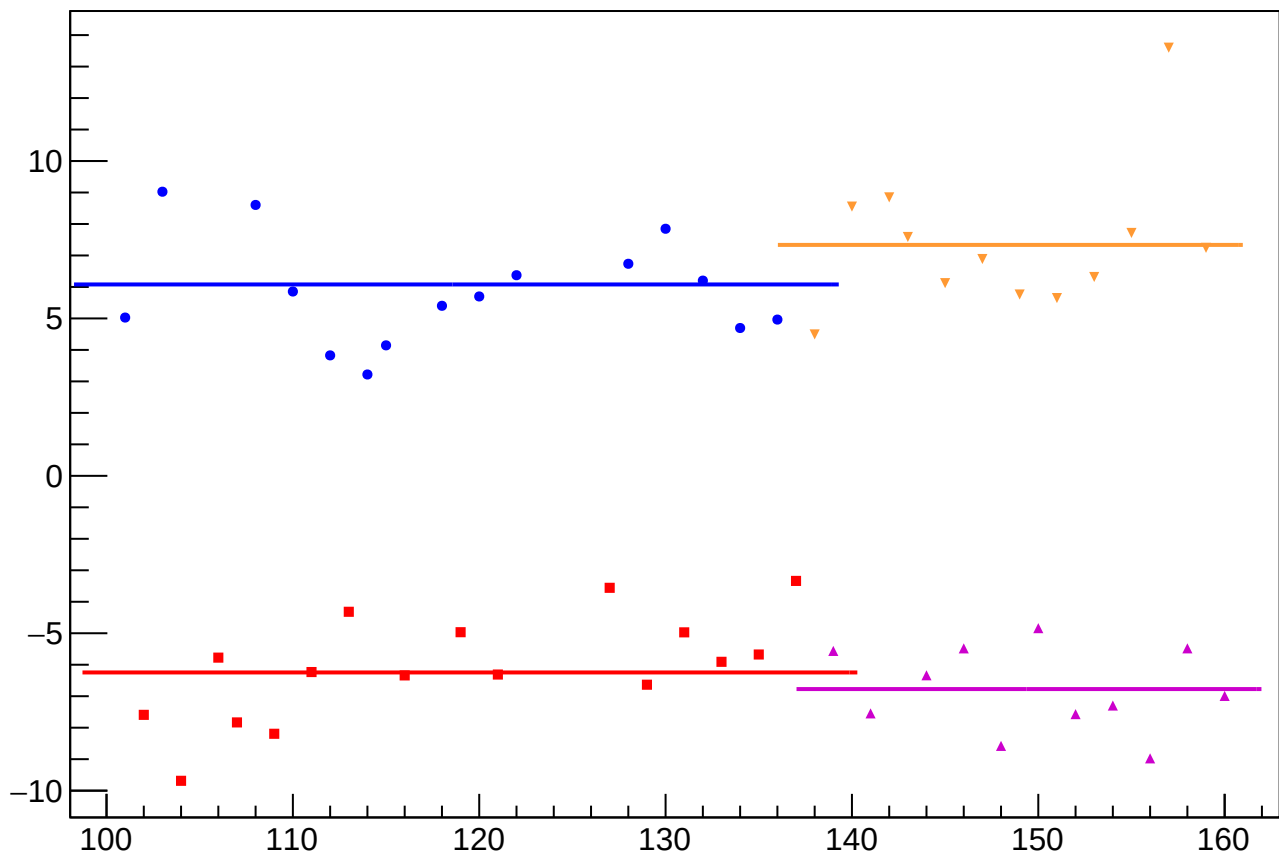
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_11X12X_coil4_mean vs Slug, Sign Corrected



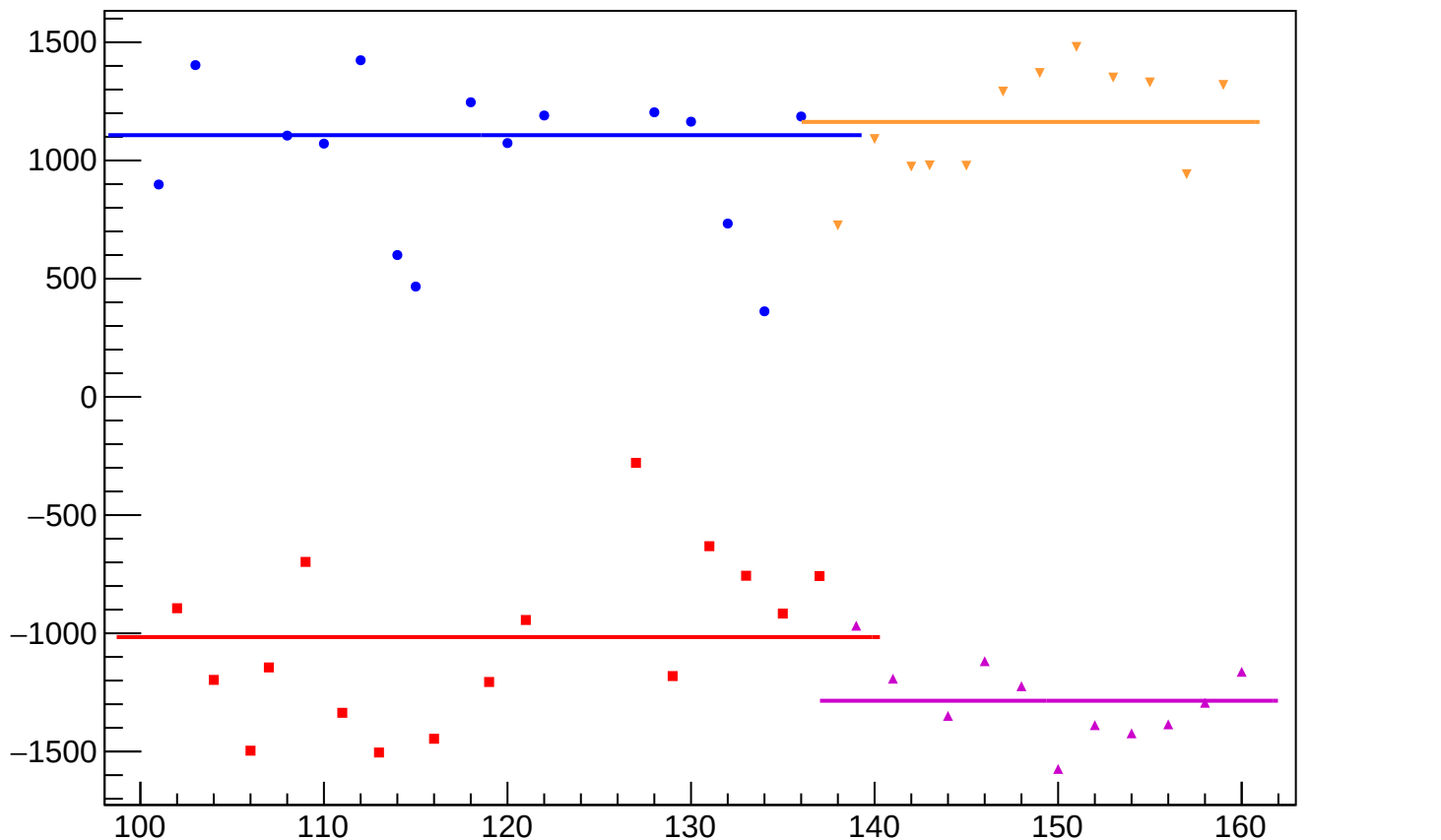
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.776 ± 0.000 χ^2/NDF : 939757082215191020614021048958976.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.828 ± 0.000 χ^2/NDF : 650173977459122524537180454387712.0/10
 All: 0.110 ± 0.000 χ^2/NDF : 58805084148536

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



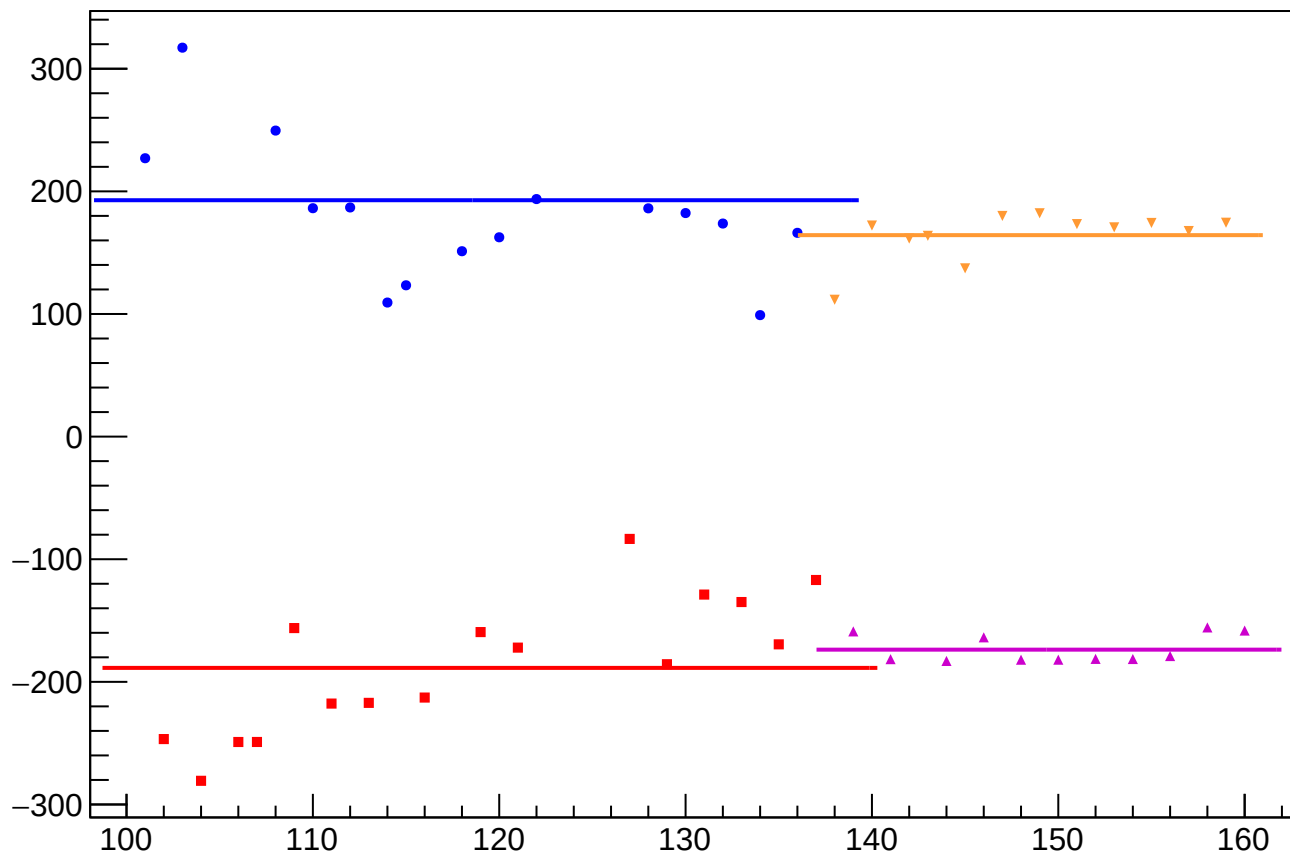
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.336 ± 0.000 $\chi^2/\text{NDF}: 4625628833201139991267353991053312.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 All: 0.079 ± 0.000 $\chi^2/\text{NDF}: 15129238447784$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



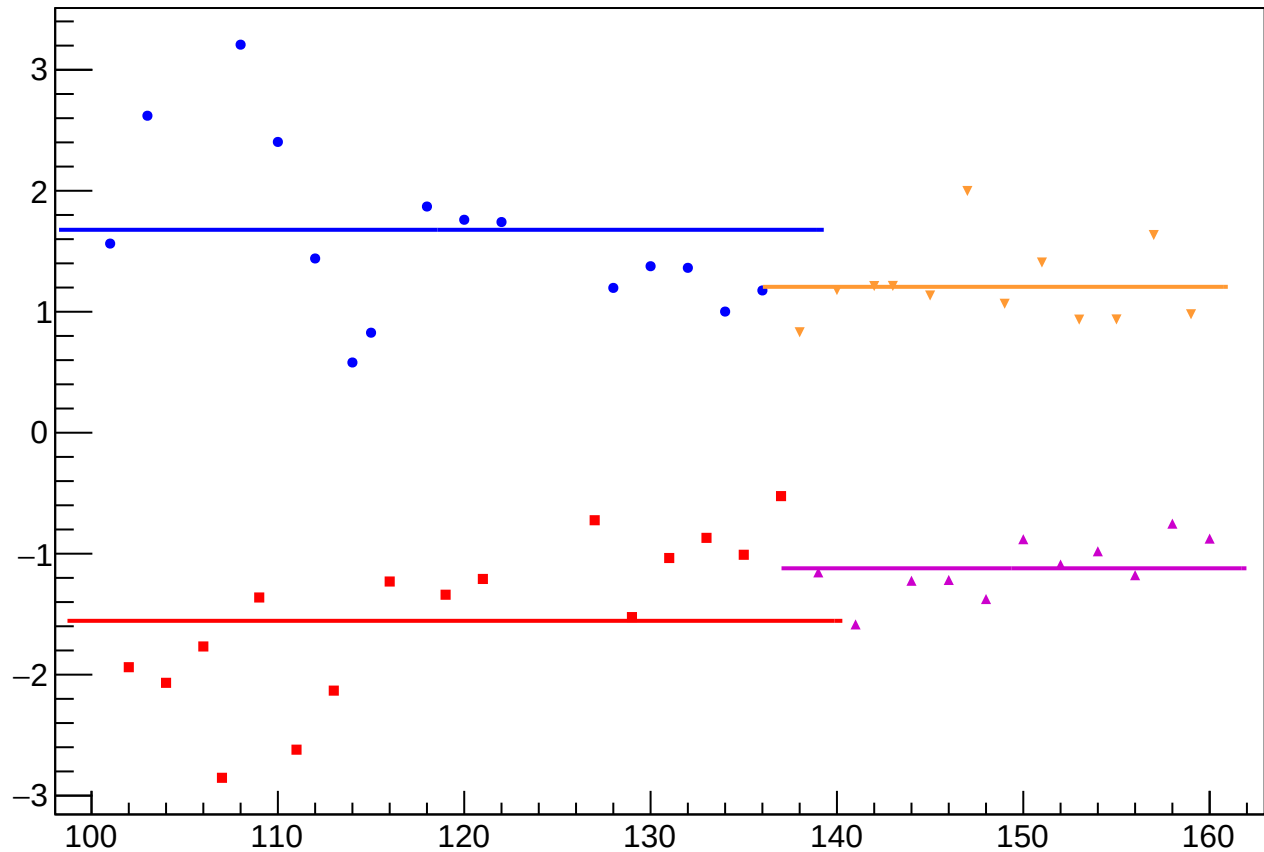
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_4aY_coil4_mean vs Slug, Sign Corrected



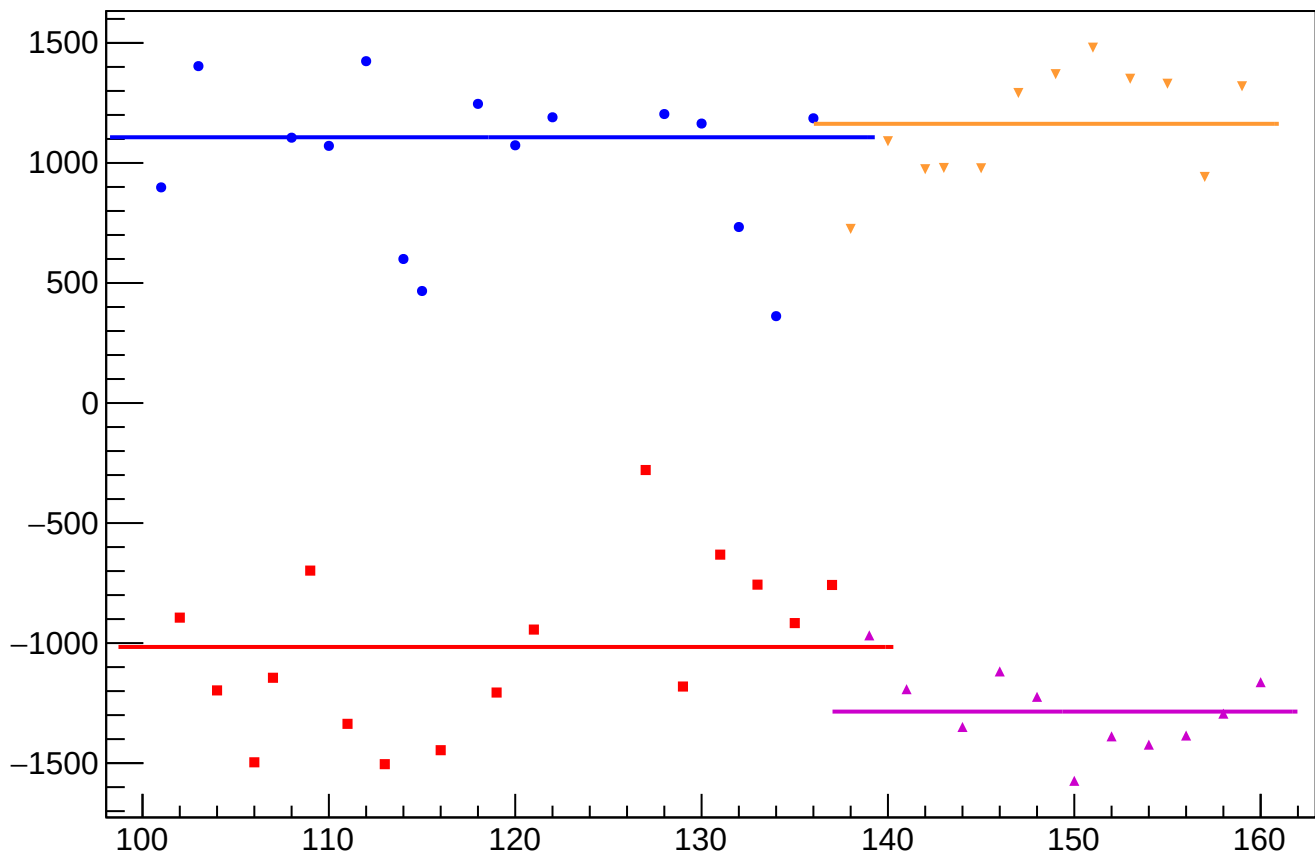
Left: -5.365 +/- 0.000 χ^2/NDF : 53051282128887740
 Right: -0.529 +/- 0.000 χ^2/NDF : 5140794879295893
 In: -22.521 +/- 0.000 χ^2/NDF : 52958566558256226
 Out: 15.690 +/- 0.000 χ^2/NDF : 50366253111906907
 All: -3.349 +/- 0.000 χ^2/NDF : 1044771835030

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



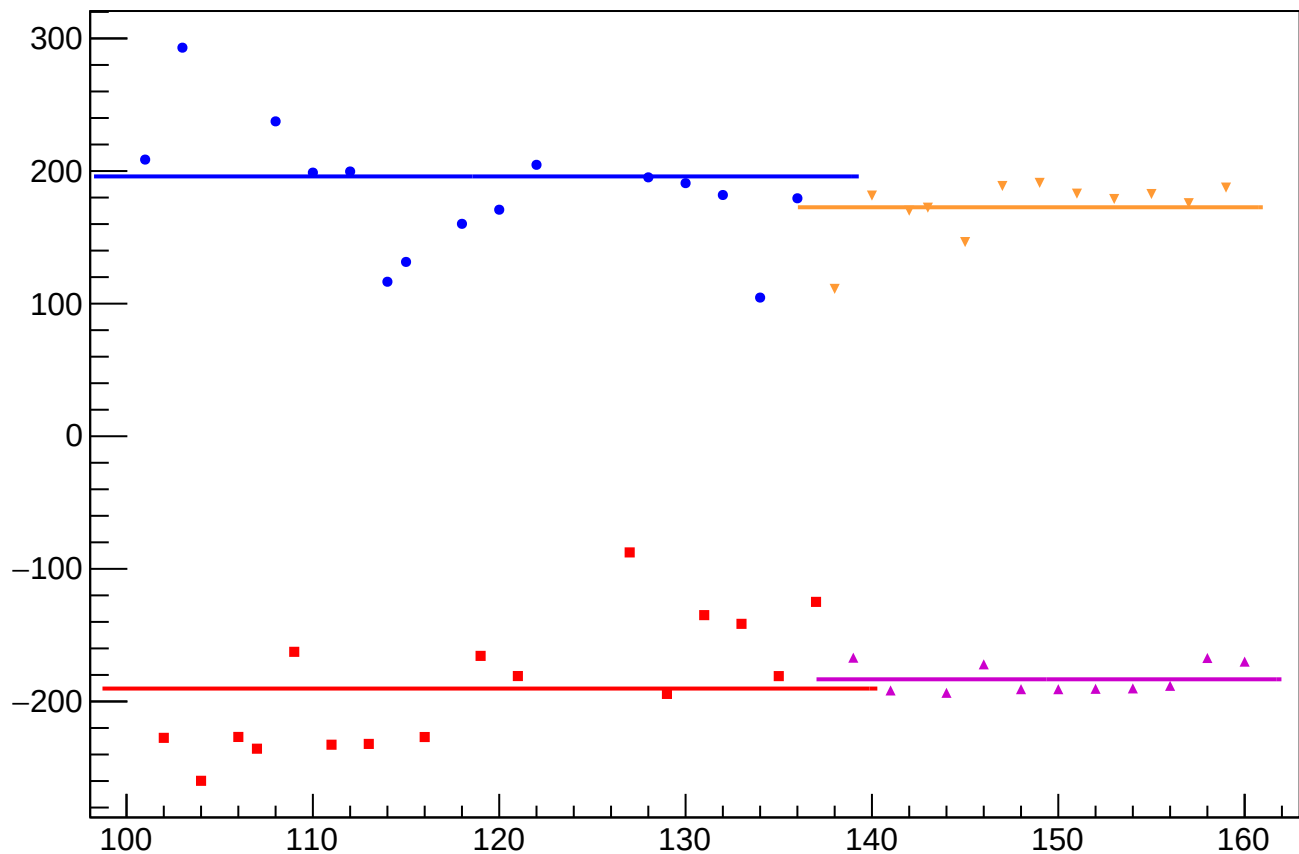
Right In: 1.677 $\pm$ 0.000 χ^2 /NDF: 241879924044788593292791559225344.0/14
 Left Out: 1.206 $\pm$ 0.000 χ^2 /NDF: 95869624128559666267627066490880.0/11
 Right Out: -1.555 $\pm$ 0.000 χ^2 /NDF: 255645951433890296827677195108352.0/15
 Left In: -1.121 $\pm$ 0.000 χ^2 /NDF: 48374896563348957372285351624704.0/10
 All: 0.039 $\pm$ 0.000 χ^2 /NDF: 65705107154675

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	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: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_4eY_coil4_mean vs Slug, Sign Corrected



Right In: 195.940+/-0.000

χ^2/NDF : 1057891079869089572370479093183938560.0/14

Left Out: 172.678+/-0.000

χ^2/NDF : 444129154318784491704790528347340800.0/11

Right Out: -190.268+/-0.000

χ^2/NDF : 1468473073667973330267084234323656704.0/15

Left In: -183.290+/-0.000

χ^2/NDF : 101738841511111417821042611832487936.0/10

Left: -5.983+/-0.000 χ^2/NDF : 58864914274163401

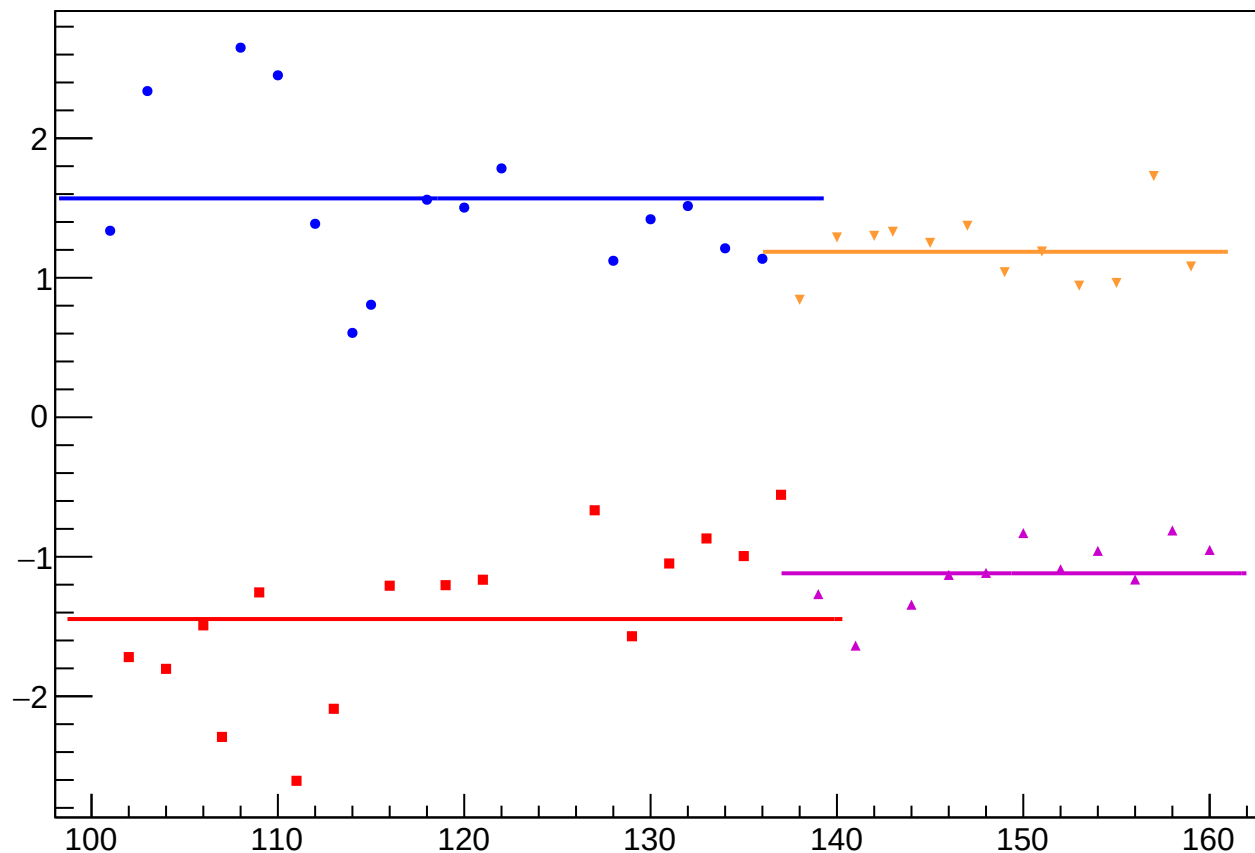
Right: 0.195+/-0.000 χ^2/NDF : 51589726724001798

In: -26.825+/-0.000 χ^2/NDF : 55986720653015776

Out: 19.847+/-0.000 χ^2/NDF : 52778083366810499

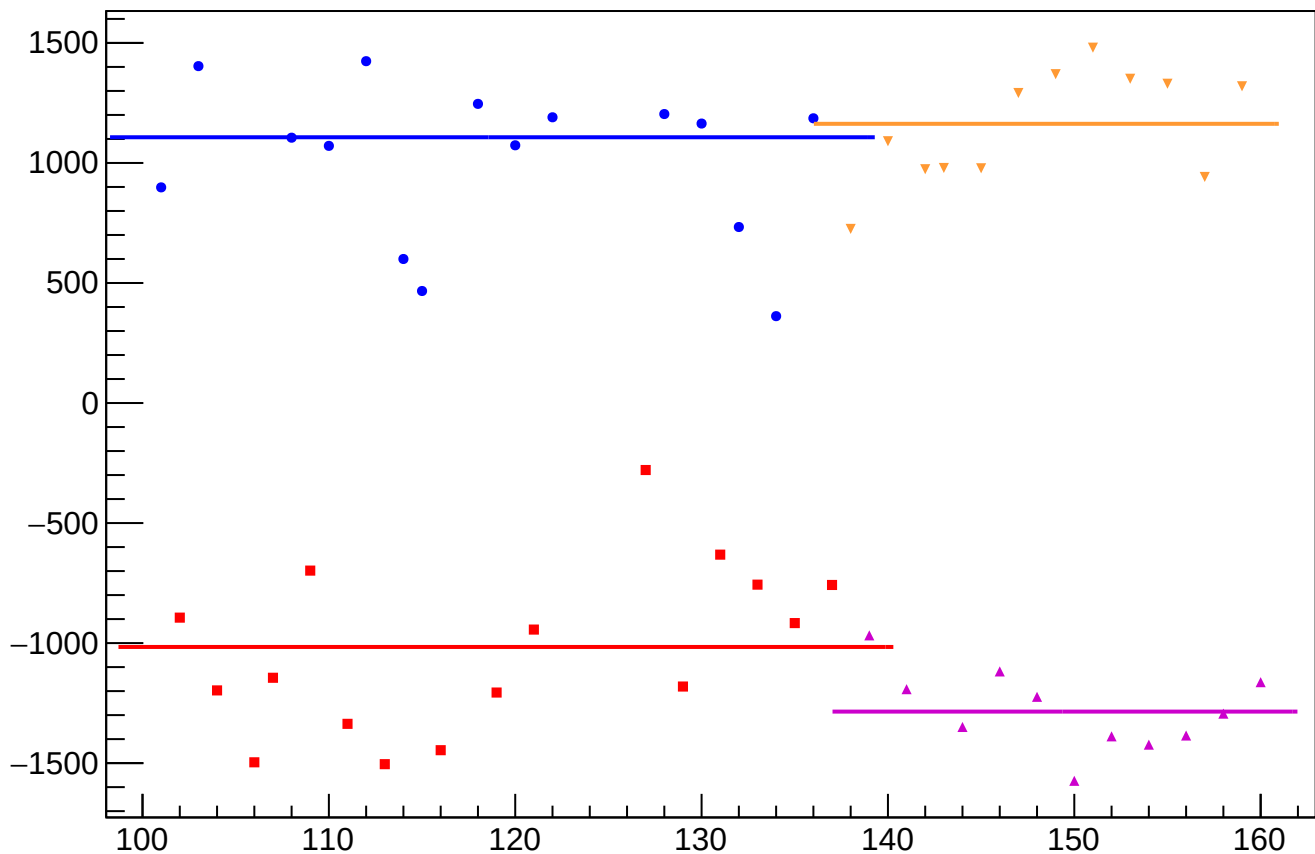
All: -3.408+/-0.000 χ^2/NDF : 1104839326993

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



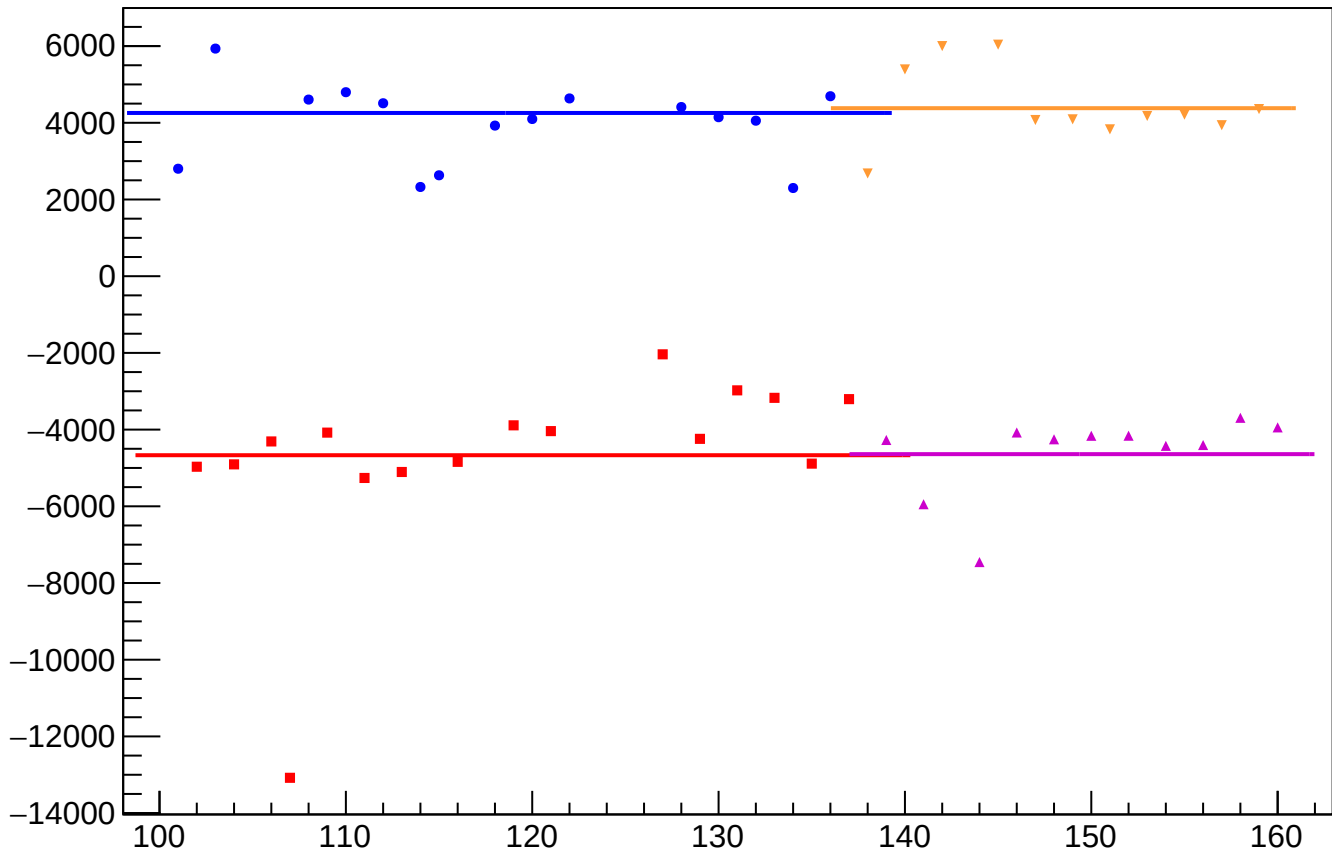
Right In: 1.569 ± 0.000 $\chi^2/\text{NDF}: 162849195668123380789610540957696.0/14$
 Left Out: 1.186 ± 0.000 $\chi^2/\text{NDF}: 50110649006733128269701442437120.0/11$
 Right Out: -1.446 ± 0.000 $\chi^2/\text{NDF}: 196296653917523352443271052787712.0/15$
 Left In: -1.118 ± 0.000 $\chi^2/\text{NDF}: 48973496995723480911801365823488.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 58938885510932$

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



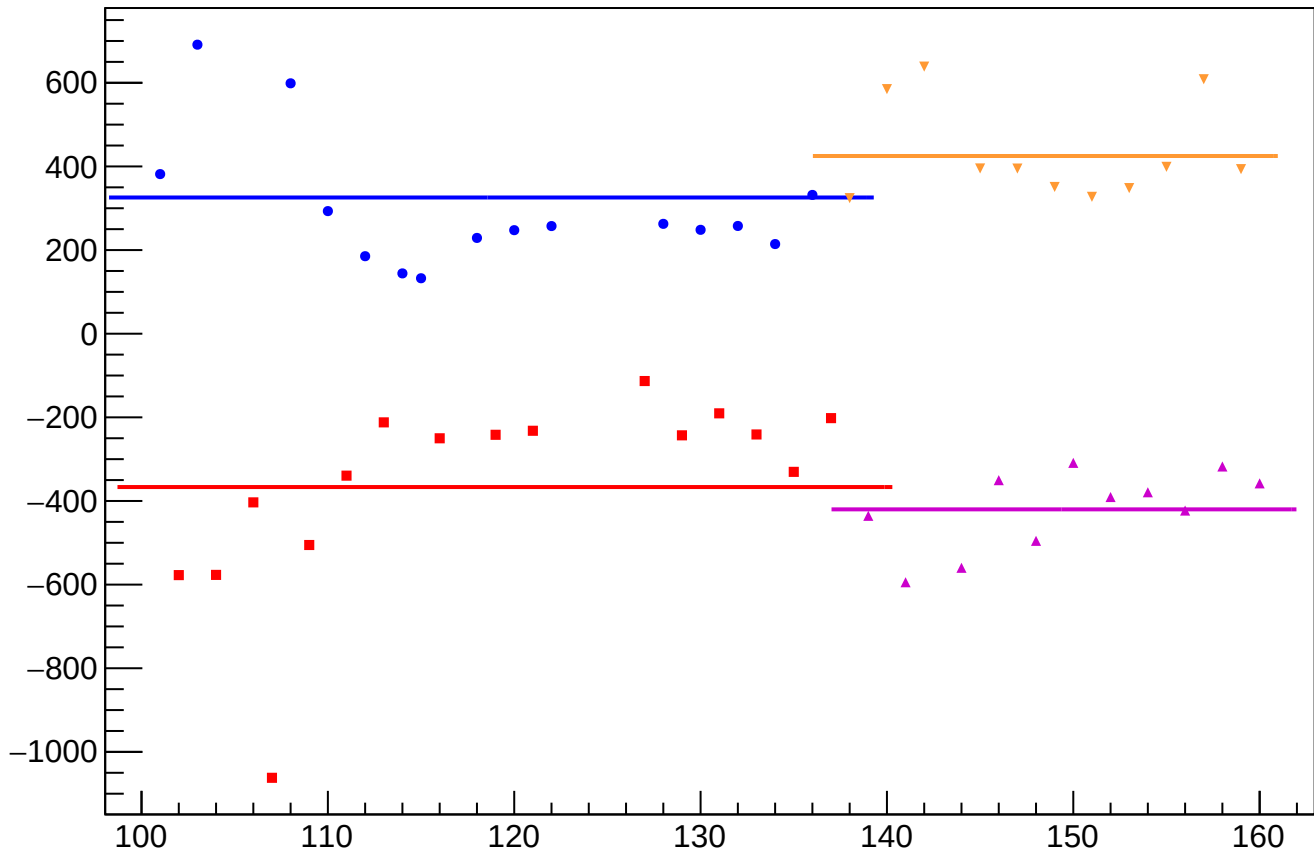
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_usl_coil4_mean vs Slug, Sign Corrected



Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4380.887+/-0.000 χ^2/NDF : 711929350796242872356445332084336099328.0/10
 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: -295.959+/-0.000 χ^2/NDF : 67696469529

dit_usl_coil4_err_mean vs Slug, Sign Corrected



Right In: 325.732+/-0.000

χ^2/NDF : 14633359567940244123897242769854300160.0/14

Left Out: 424.941+/-0.000

χ^2/NDF : 9621828673272649813383773272468881408.0/10

Right Out: -366.682+/-0.000

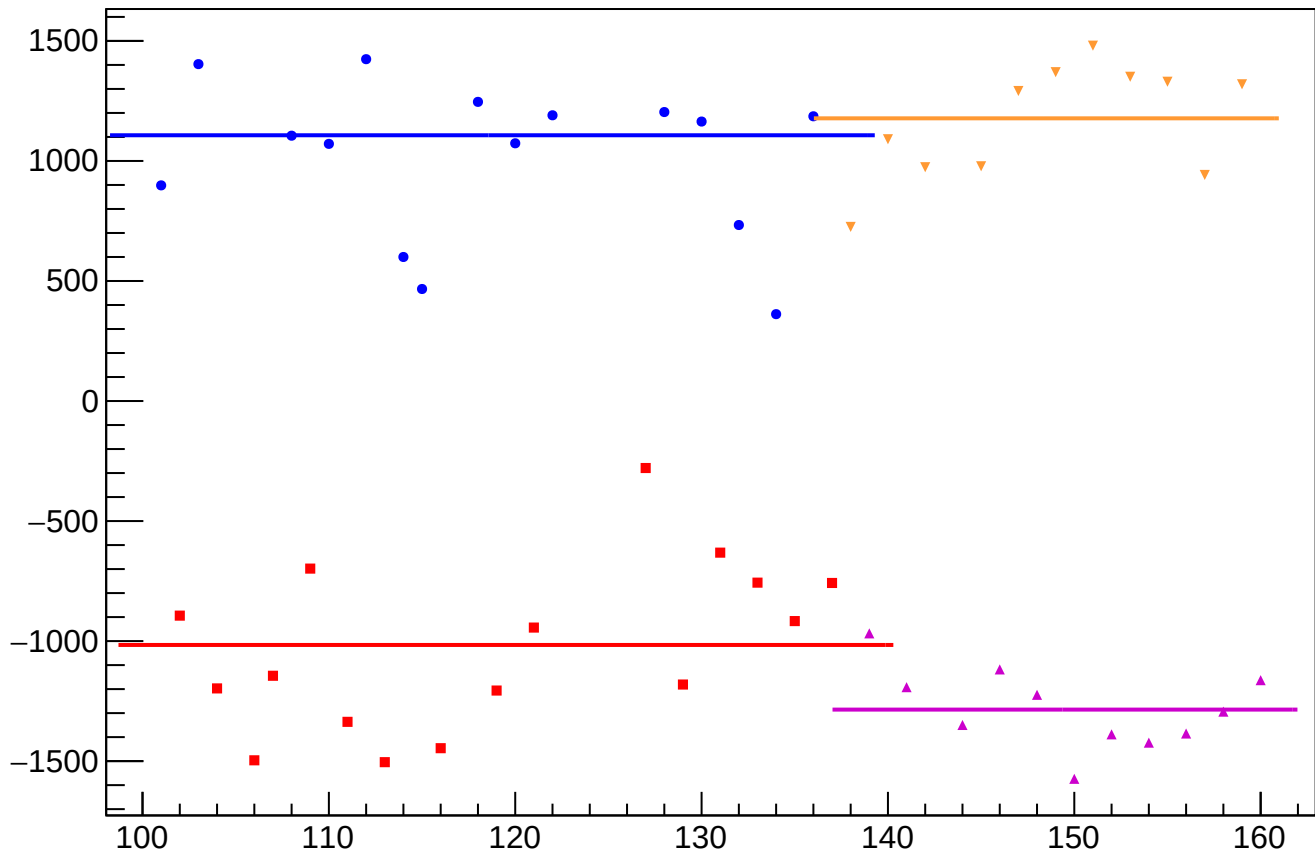
χ^2/NDF : 32097250699947956409117440115398934528.0/15

Left In: -420.062+/-0.000

χ^2/NDF : 7706514276709269263404419491802644480.0/10

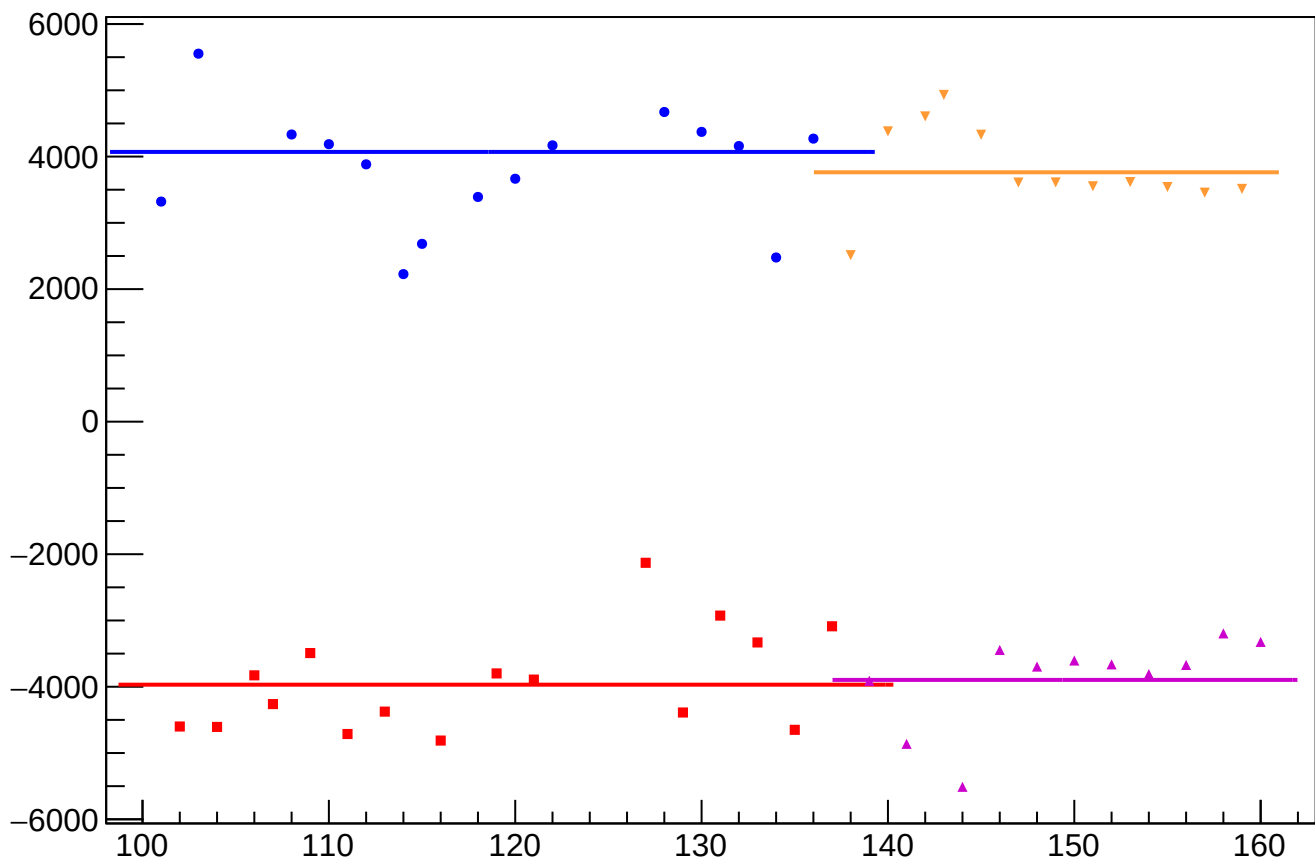
All: -19.455+/-0.000 χ^2/NDF : 537961516832

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1177.551 $\pm$ 0.000 χ^2/NDF : 43299032399354290264123483303178141696.0/10
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -47.257 $\pm$ 0.000 χ^2/NDF : 436288028349

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

Left Out: 3763.117+/-0.000

χ^2/NDF : 328830410494285997490635269622747627520.0/11

Right Out: -3968.723+/-0.000

χ^2/NDF : 359955880326194784467353369492594884608.0/15

Left In: -3896.757+/-0.000

χ^2/NDF : 412530714584693730225130204014353317888.0/10

Left: -81.383+/-0.000 χ^2/NDF : 2774553088418693

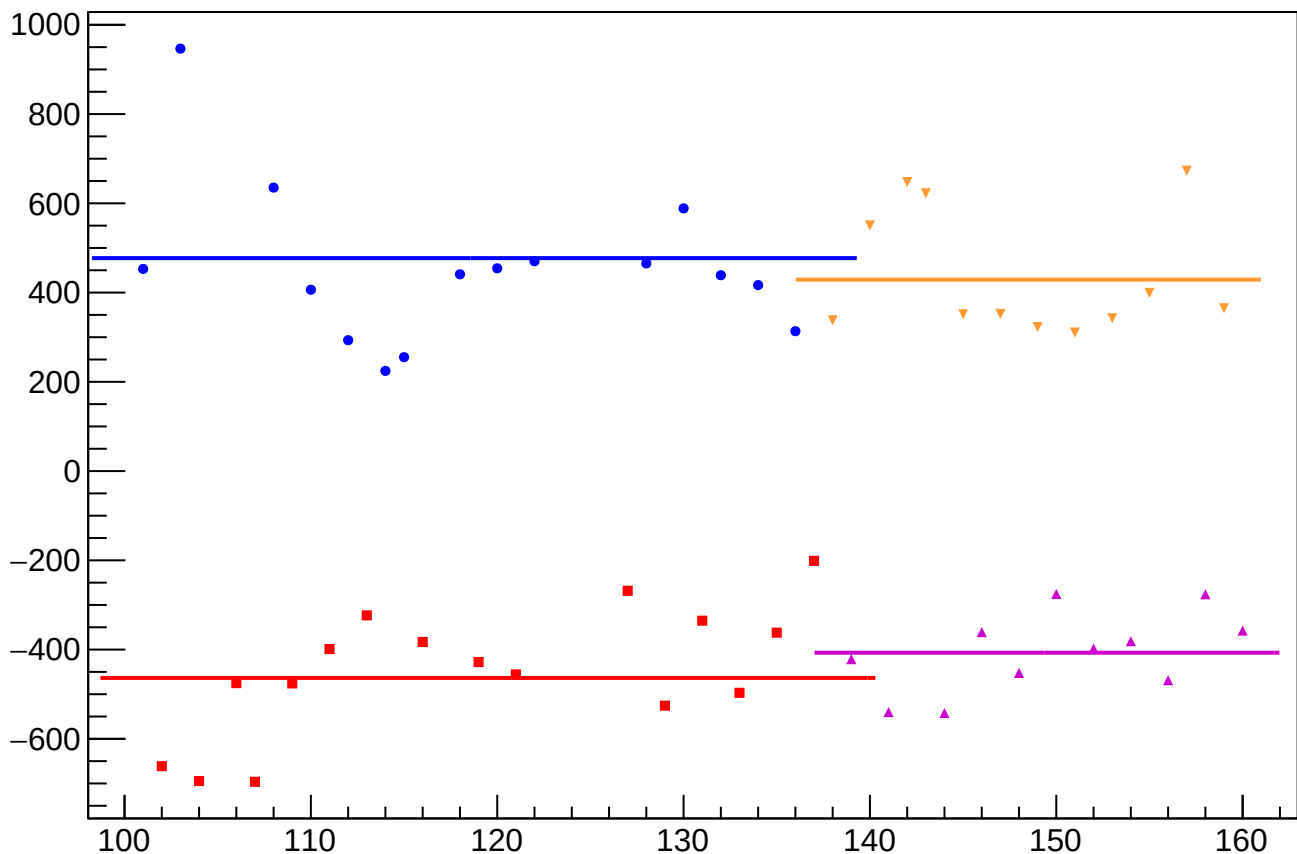
Right: -4.119+/-0.000 χ^2/NDF : 2196193539942721

In: -609.591+/-0.000 χ^2/NDF : 2495492786013162

Out: 507.349+/-0.000 χ^2/NDF : 2377250014239513

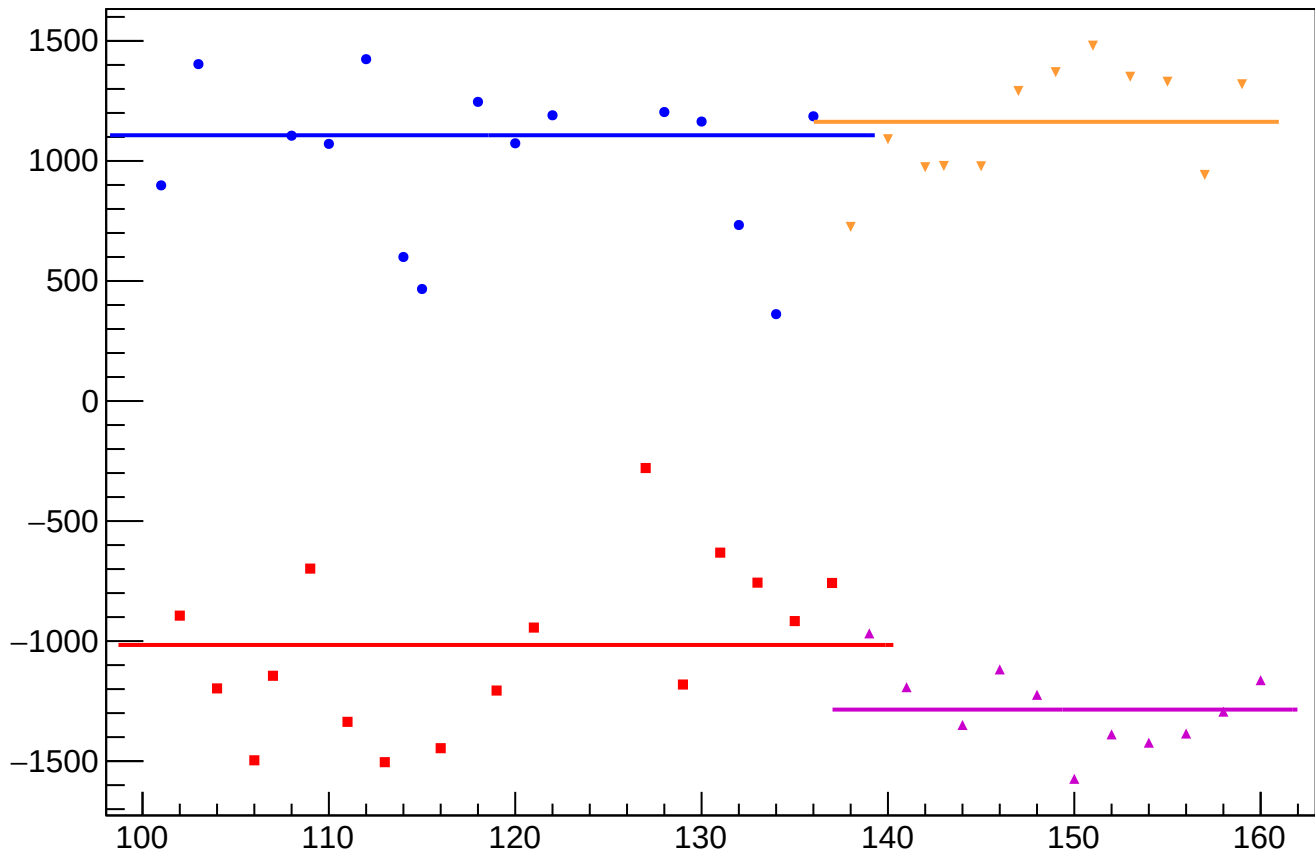
All: -49.175+/-0.000 χ^2/NDF : 497120475909

dit_usr_coil4_err_mean vs Slug, Sign Corrected



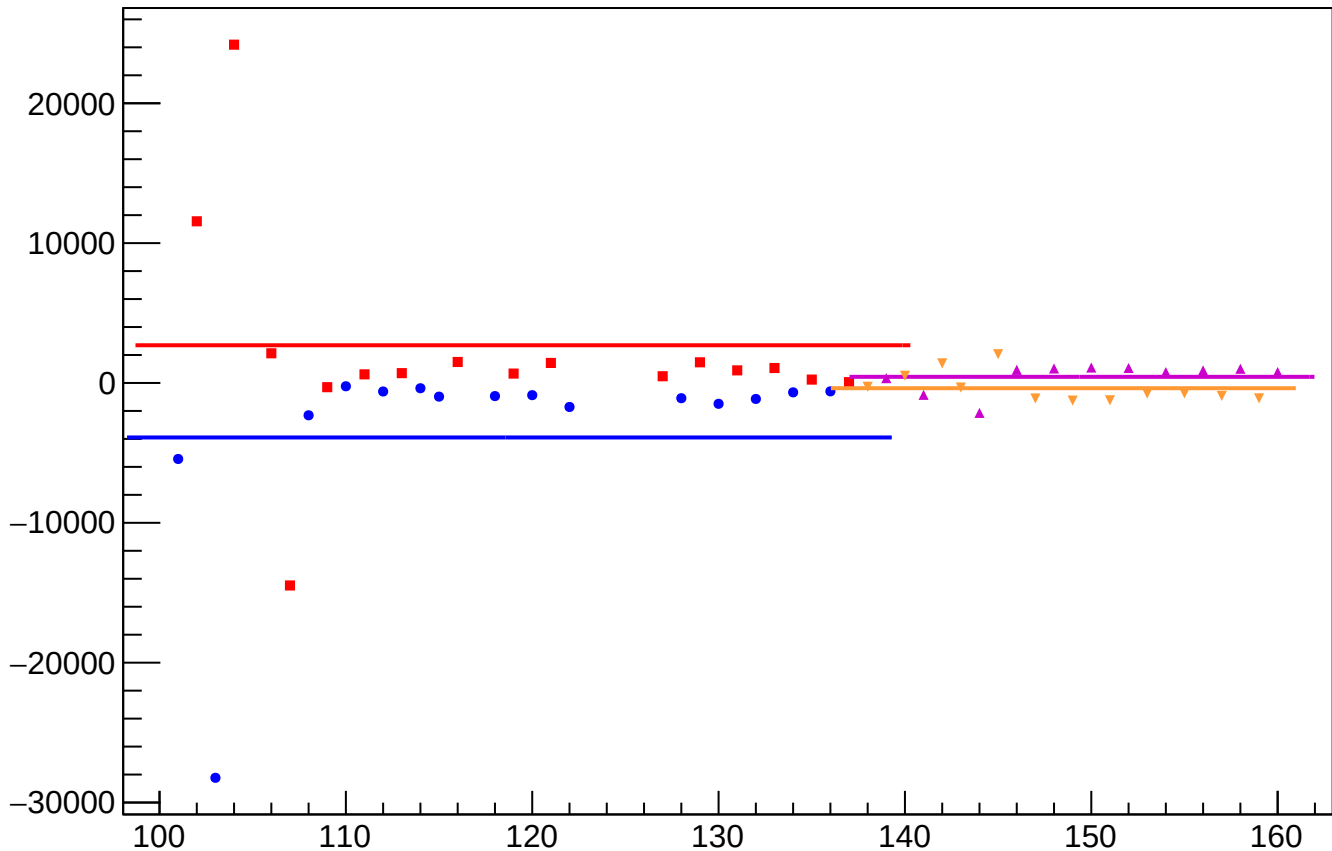
Right In: 477.186 ± 0.000 $\chi^2/\text{NDF}: 20455719931758379978892605184974782464.0/14$
 Left Out: 428.977 ± 0.000 $\chi^2/\text{NDF}: 15293827786065679931988484454692683776.0/11$
 Right Out: -463.513 ± 0.000 $\chi^2/\text{NDF}: 12556777931069903370031832388184571904.0/15$
 Left In: -406.990 ± 0.000 $\chi^2/\text{NDF}: 7014219134688394471330081136711827456.0/10$
 All: 5.652 ± 0.000 $\chi^2/\text{NDF}: 66810194578541$

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	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: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522 +/- 0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -374.202 +/- 0.000

χ^2/NDF : 945868175144673963133070381135496740864.0/11

Right Out: 2695.992 +/- 0.000

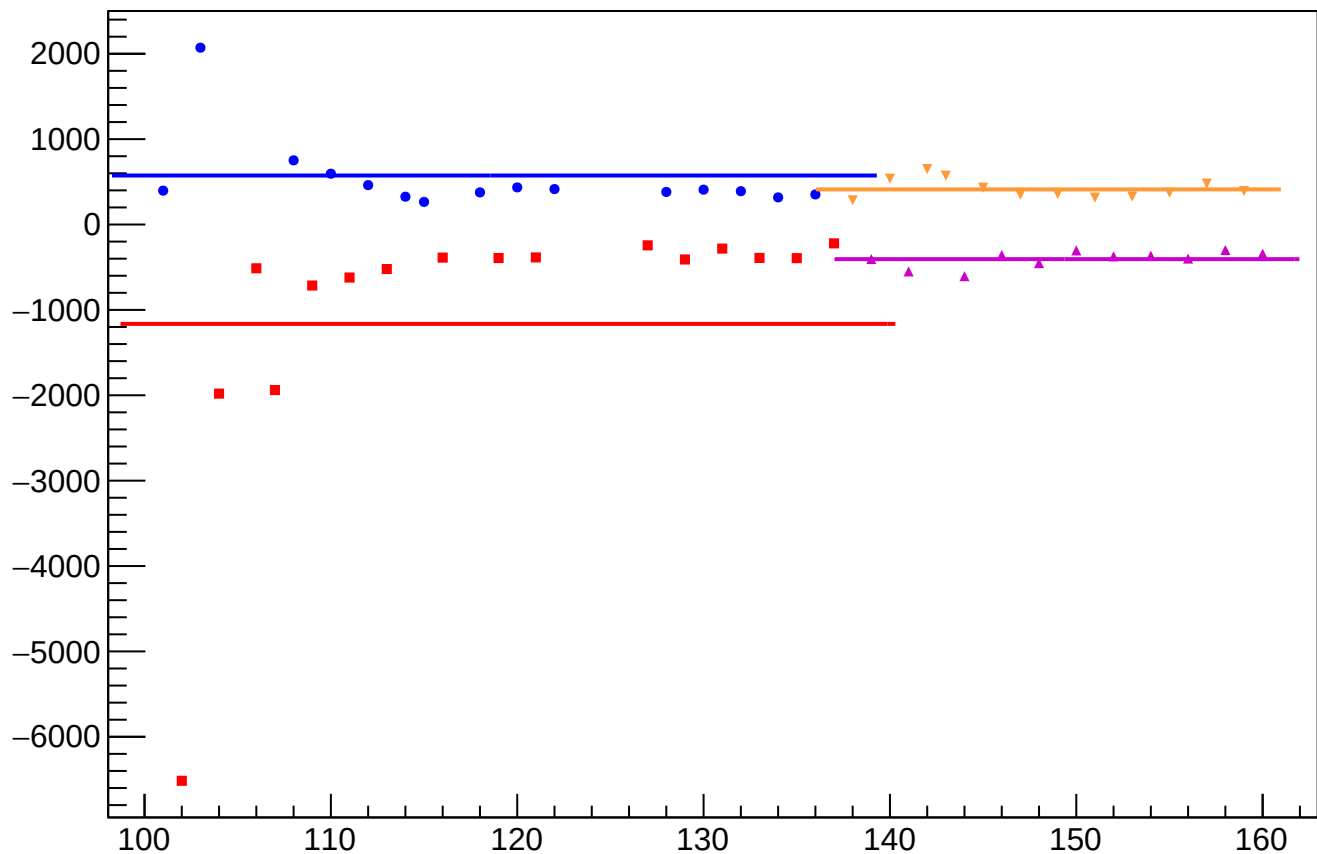
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 439.289 +/- 0.000

χ^2/NDF : 921031566733723872829454078558930468864.0/10

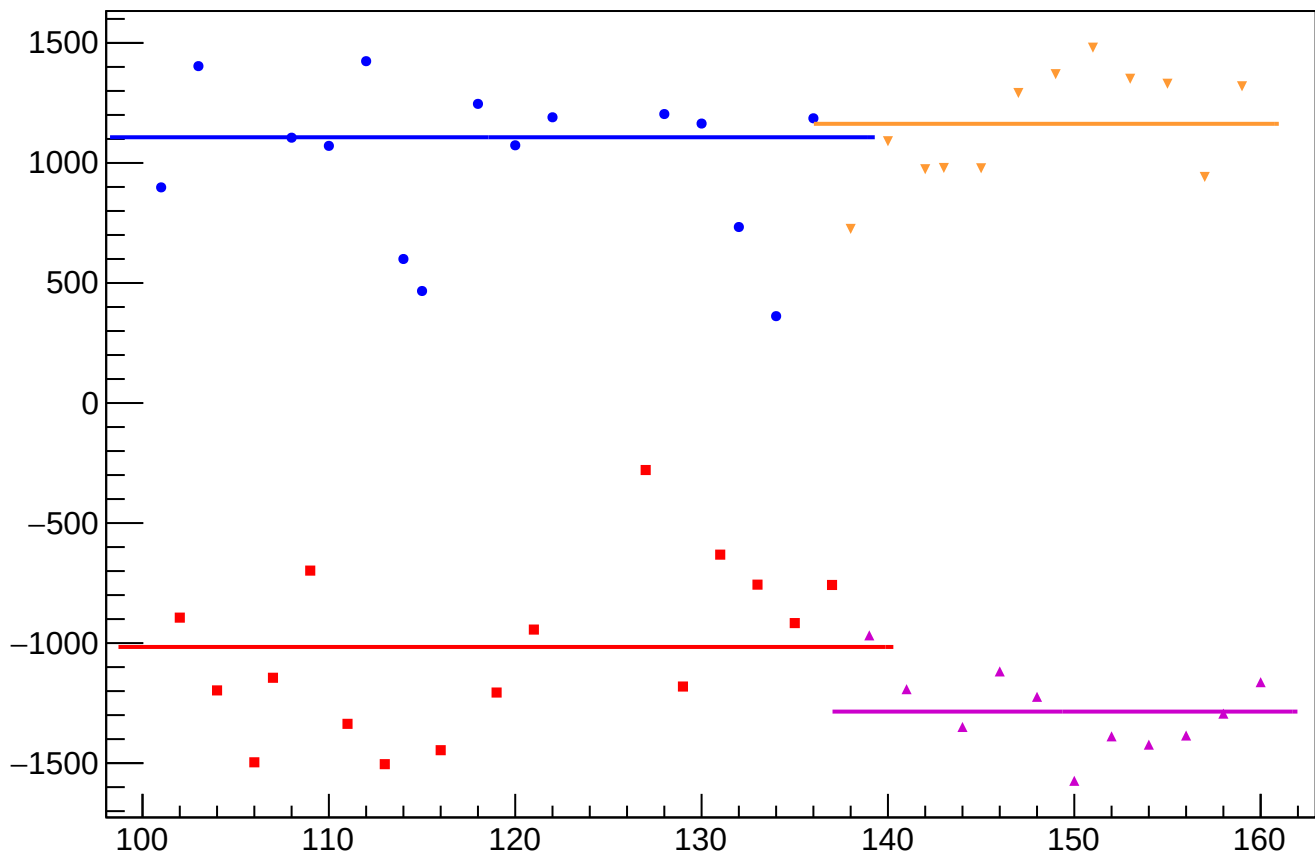
All: -211.548 +/- 0.000 χ^2/NDF : 97175088373

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



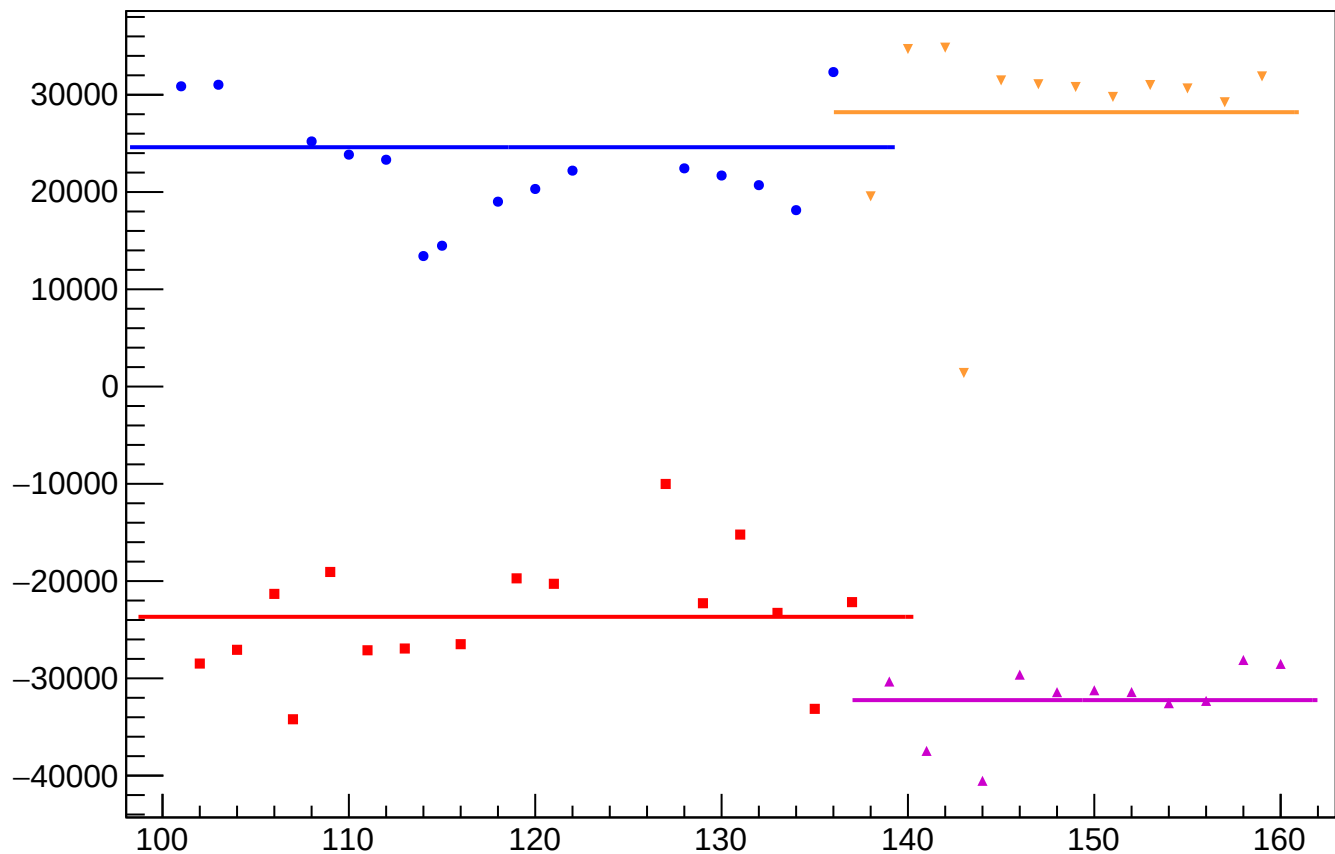
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 411.666+/-0.000 χ^2/NDF : 9310753562046919070067621560894619648.0/11
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -405.371+/-0.000 χ^2/NDF : 8096374045117906535343483577494929408.0/10
 All: -126.921+/-0.000 χ^2/NDF : 35462064871

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



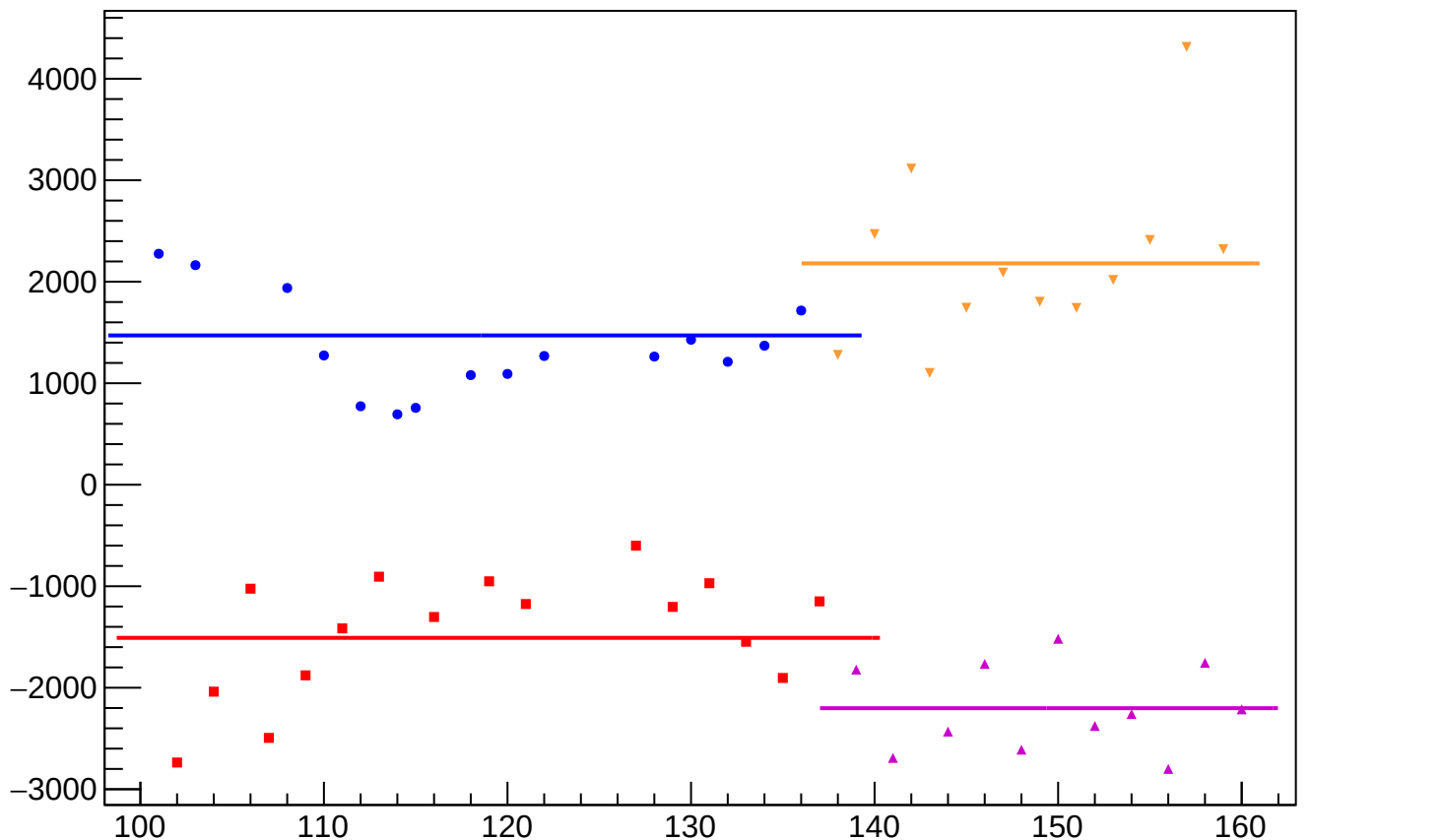
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_atl2_coil4_mean vs Slug, Sign Corrected



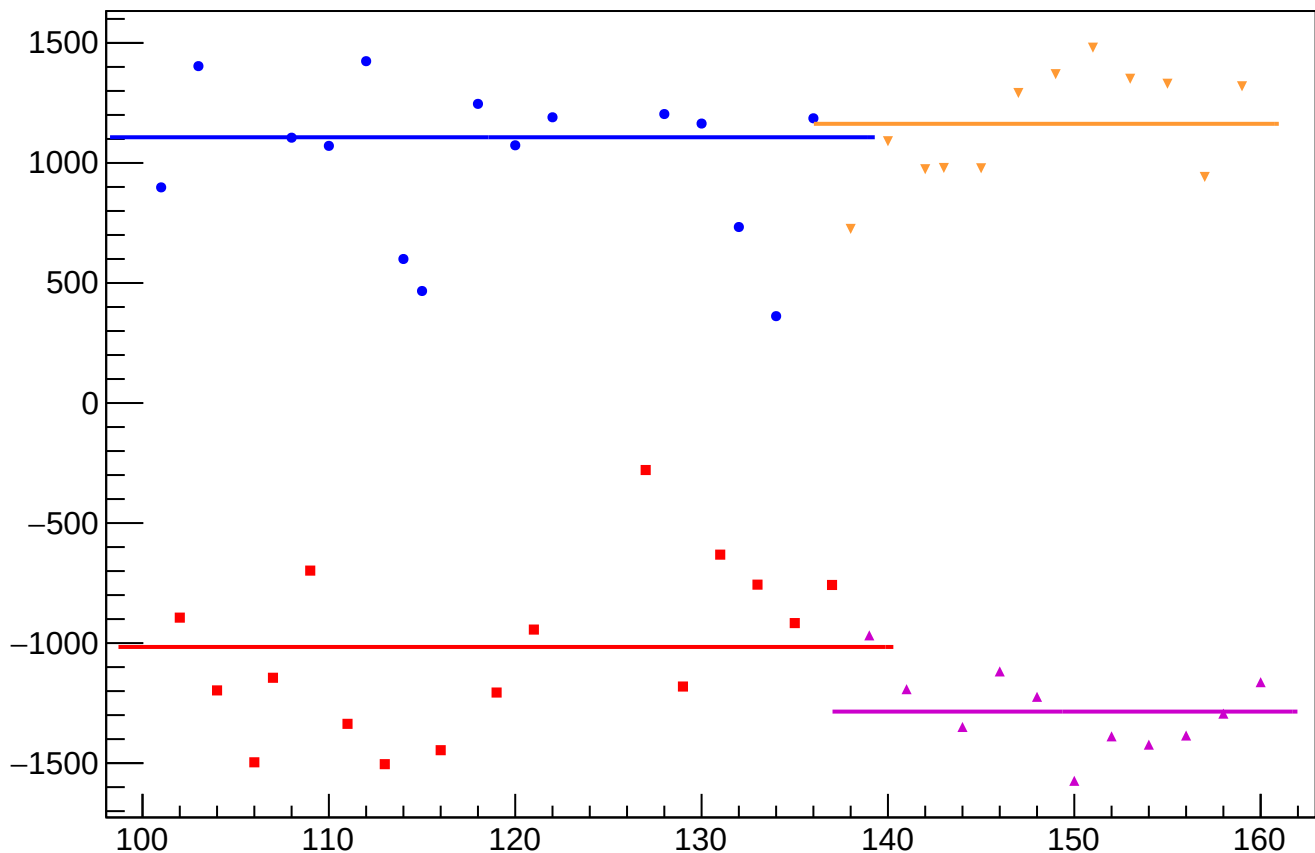
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28209.767+/-0.000 χ^2/NDF : 64052588208815786501271136154217957294080.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1184.729+/-0.000 χ^2/NDF : 2570905684

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



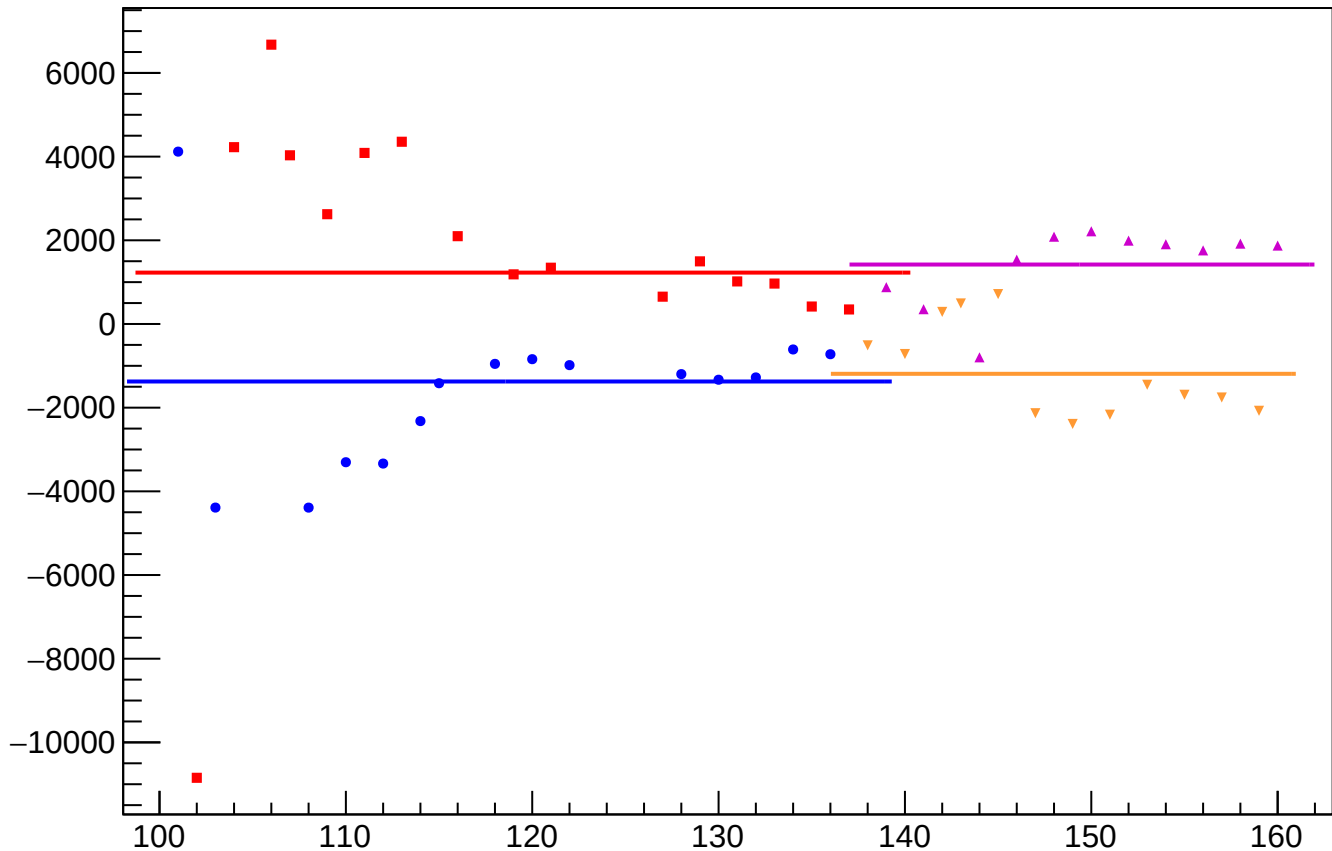
Right In: 1471.095+/-0.000 χ^2/NDF : 139174979420467841073894167956452016128.0/14
 Left Out: 2180.972+/-0.000 χ^2/NDF : 598703226121999788747151174026347413504.0/11
 Right Out: -1508.451+/-0.000 χ^2/NDF : 250085163770425050605763446985715613696.0/15
 Left In: -2201.571+/-0.000 χ^2/NDF : 156929124179690930619030229097962799104.0/10
 All: -27.145+/-0.000 χ^2/NDF : 129051743087

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	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: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1191.069+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1015662132878322627077441101495867015168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 119.834+/-0.000 χ^2/NDF : 49033799943357671

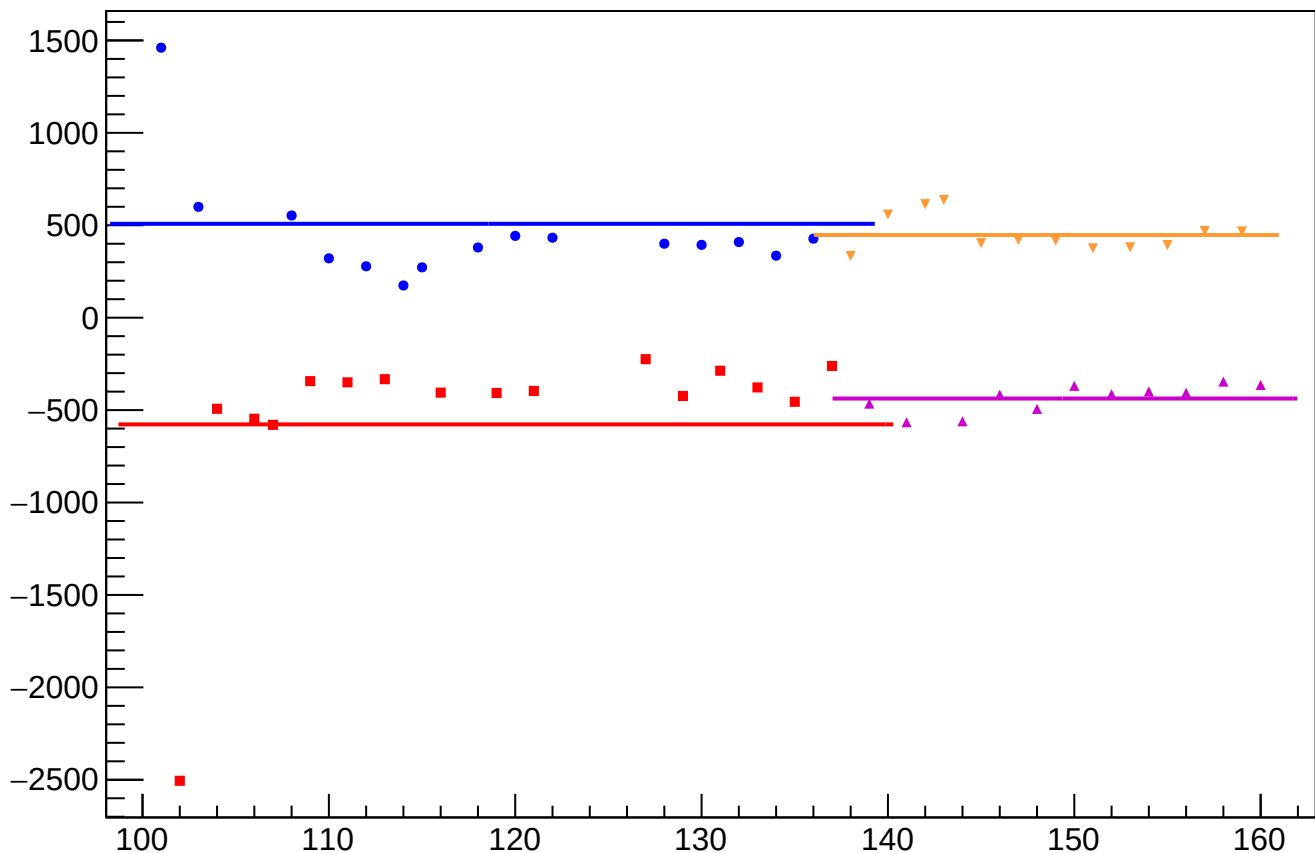
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.484+/-0.000 χ^2/NDF : 143903749815765

All: 46.739+/-0.000 χ^2/NDF : 2134277804715

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 447.436+/-0.000

χ^2/NDF : 7069072028969774638688985742751825920.0/11

Right Out: -577.250+/-0.000

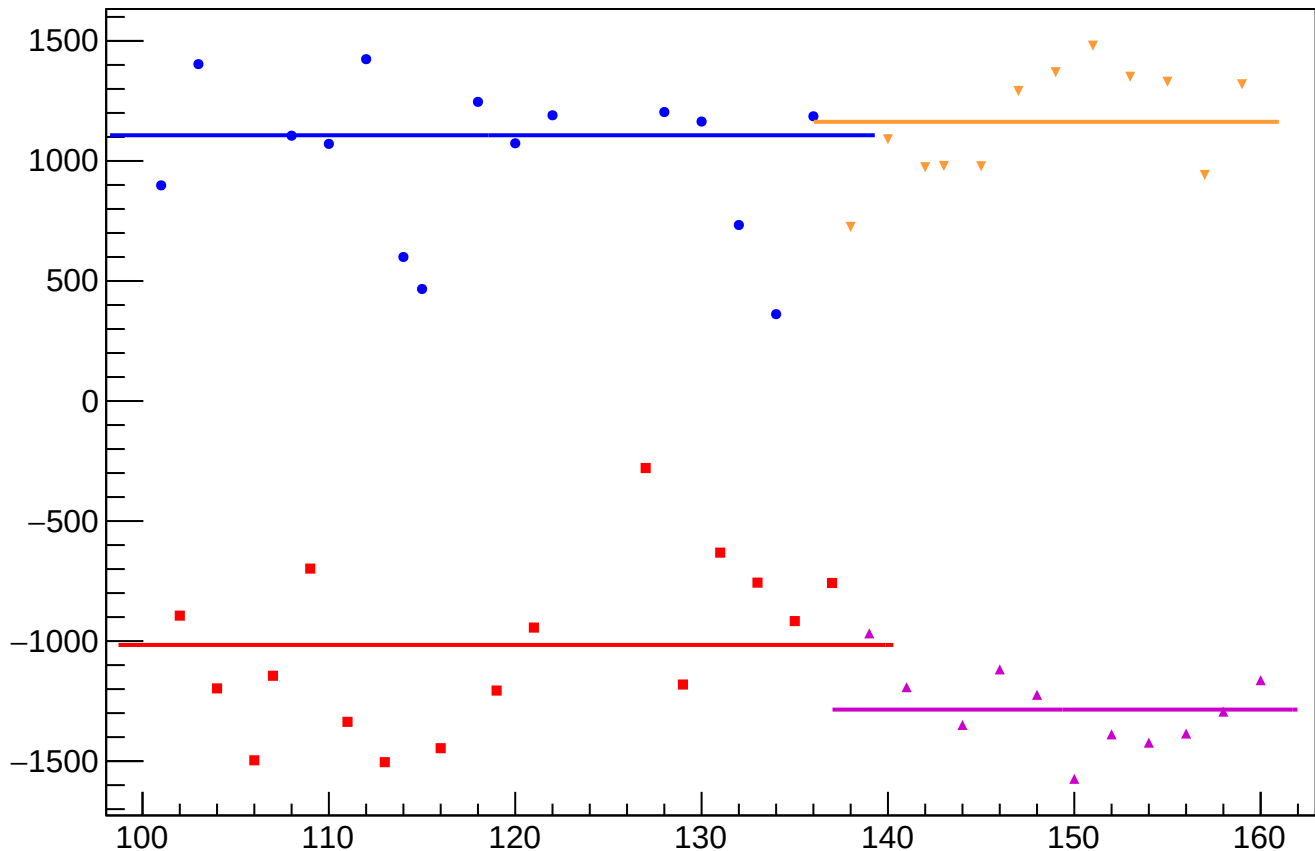
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

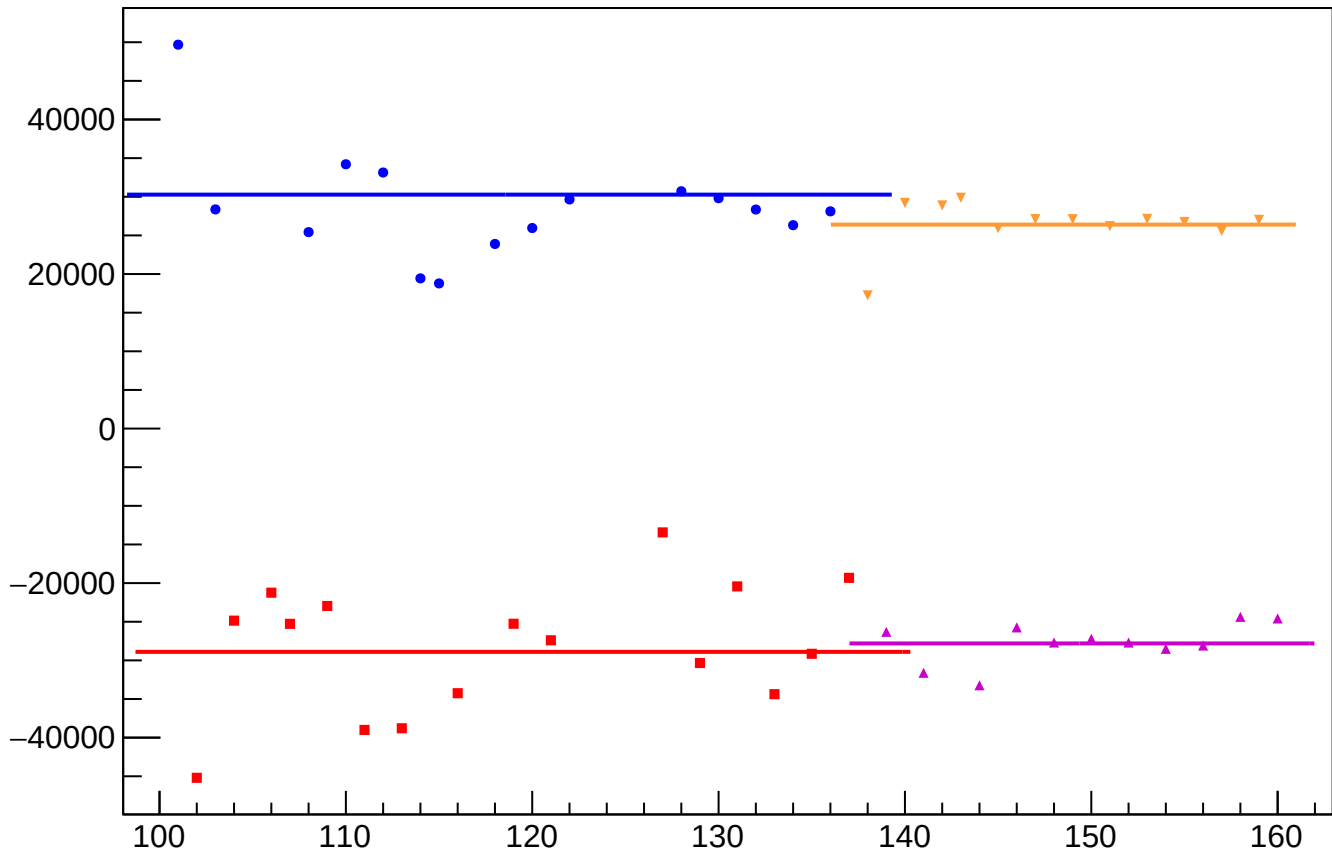
All: -15.597+/-0.000 χ^2/NDF : 106651113090

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_atr2_coil4_mean vs Slug, Sign Corrected



Right In: 30277.649+/-0.000

χ^2/NDF : 30975974641524142453090022540760519278592.0/14

Left Out: 26400.073+/-0.000

χ^2/NDF : 8523453532066542574243439899008376504320.0/11

Right Out: -28896.318+/-0.000

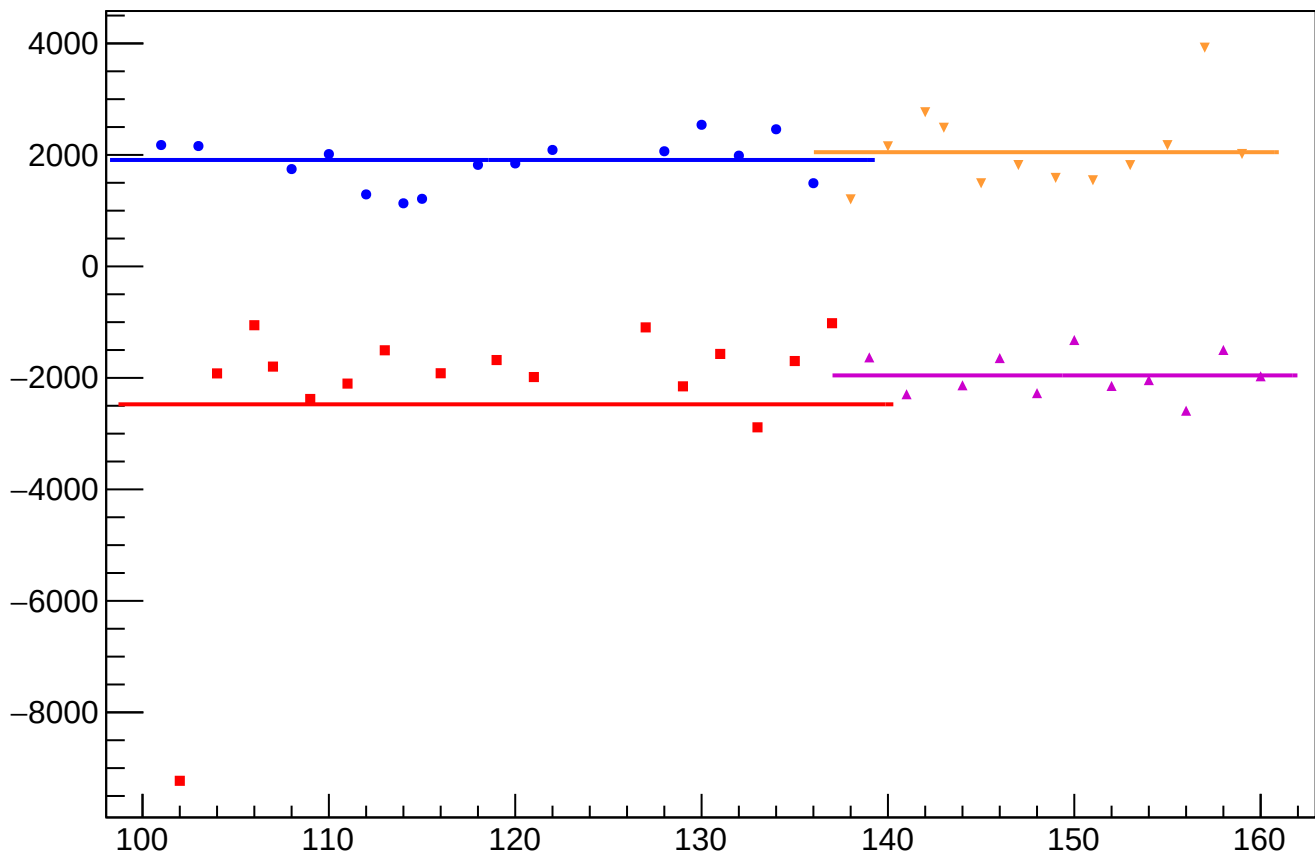
χ^2/NDF : 46969504058010359146250560228409714147328.0/15

Left In: -27807.237+/-0.000

χ^2/NDF : 6193058620219899678835139815803642183680.0/10

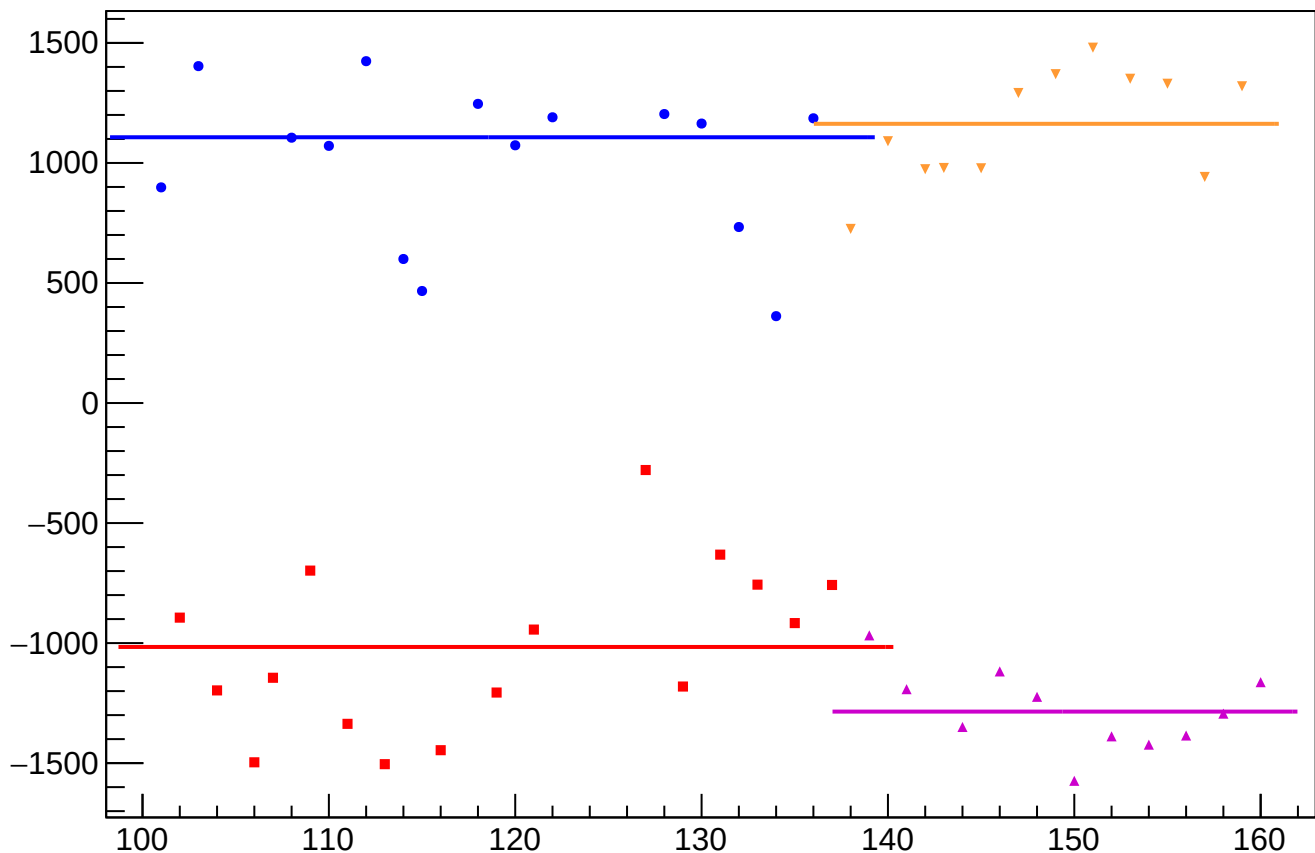
Left: -806.637+/-0.000 χ^2/NDF : 136711048094445
 Right: 285.980+/-0.000 χ^2/NDF : 122974265906167
 In: -3842.144+/-0.000 χ^2/NDF : 132338595511608
 Out: 3115.545+/-0.000 χ^2/NDF : 123617666478077
 All: -351.178+/-0.000 χ^2/NDF : 25977693003

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



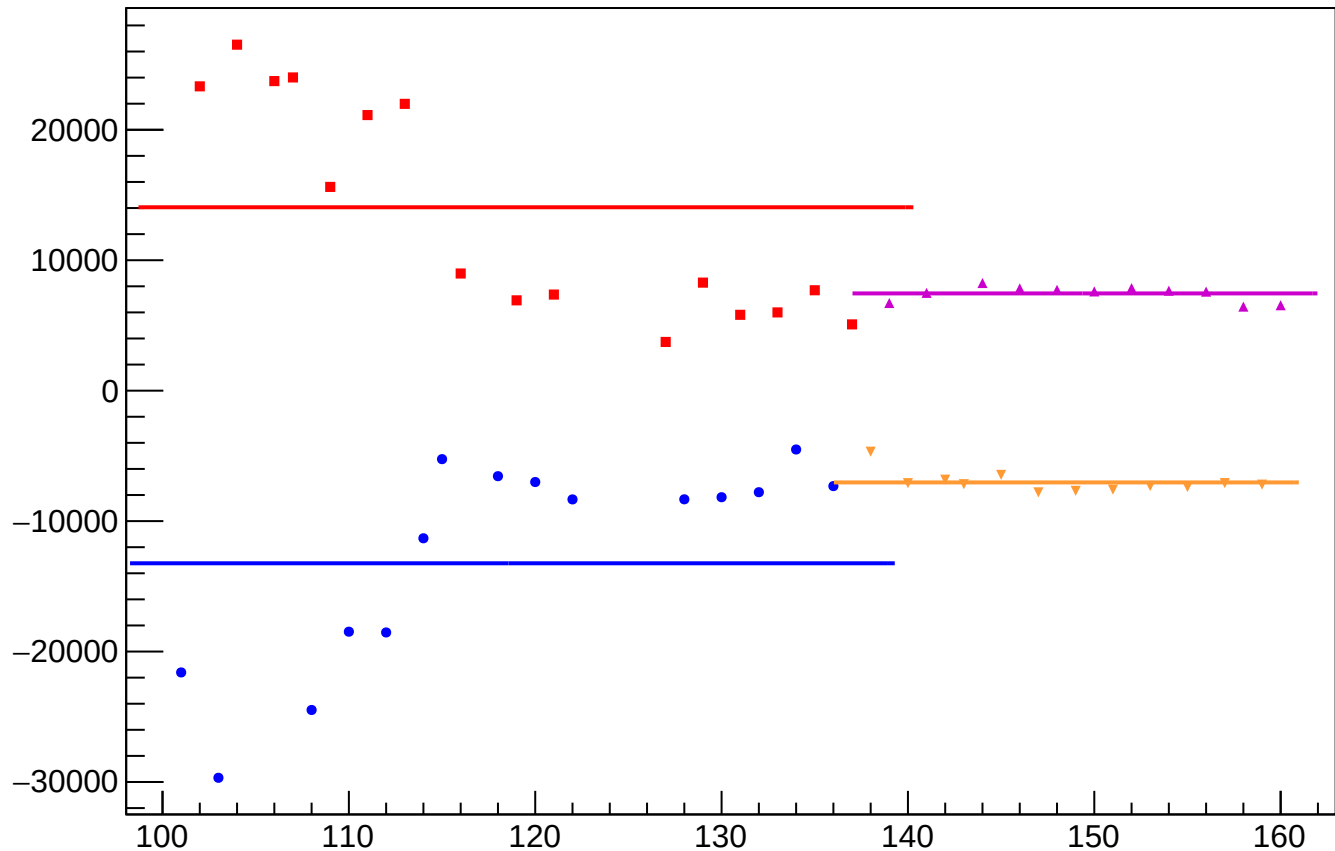
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2049.063+/-0.000 χ^2/NDF : 443721100999295515672674036348509749248.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.266+/-0.000 χ^2/NDF : 17487329271

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

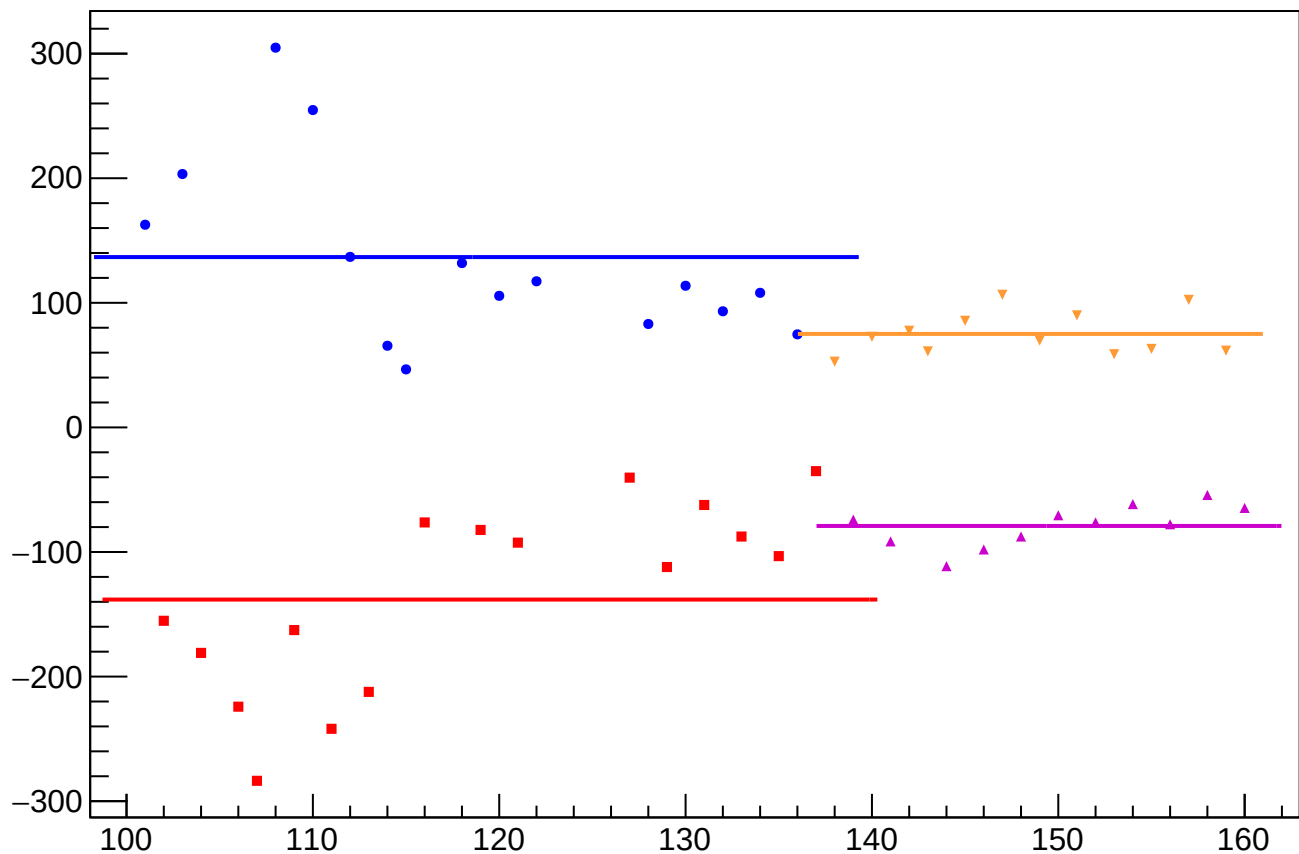
dit_sam1_coil4_mean vs Slug, Sign Corrected



Left: 238.400+/-0.000 χ^2/NDF : 9751063726876122
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 In: -1080.099+/-0.000 χ^2/NDF : 204729341611961
 Out: 1848.185+/-0.000 χ^2/NDF : 216898943456081
 All: 389.145+/-0.000 χ^2/NDF : 428395904948

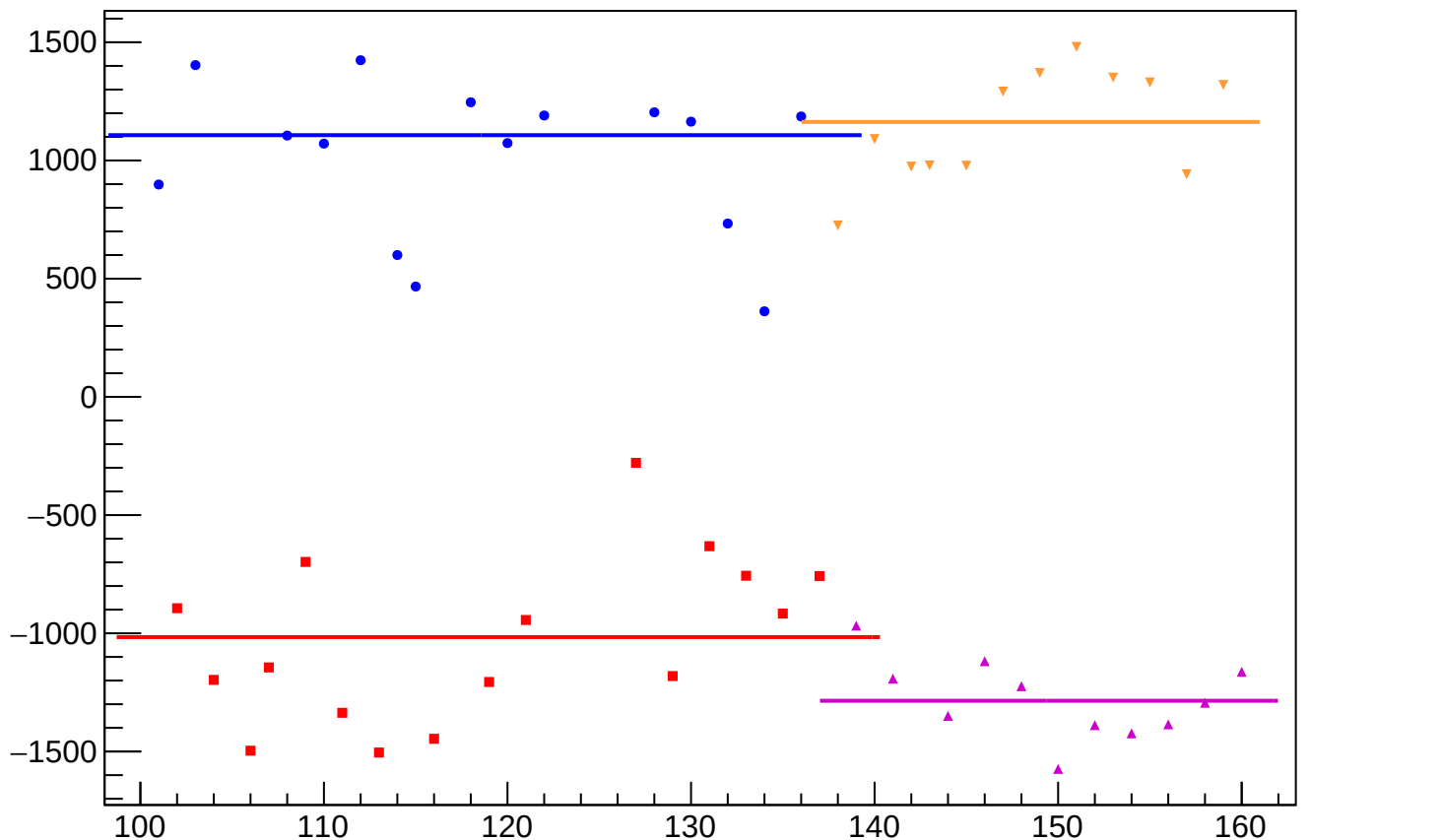
Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Left Out: -7034.420+/-0.000 χ^2/NDF : 586087700252049179265432435380023459840.0/11
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Left In: 7456.124+/-0.000 χ^2/NDF : 284554324589778558842129447316923351040.0/10

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



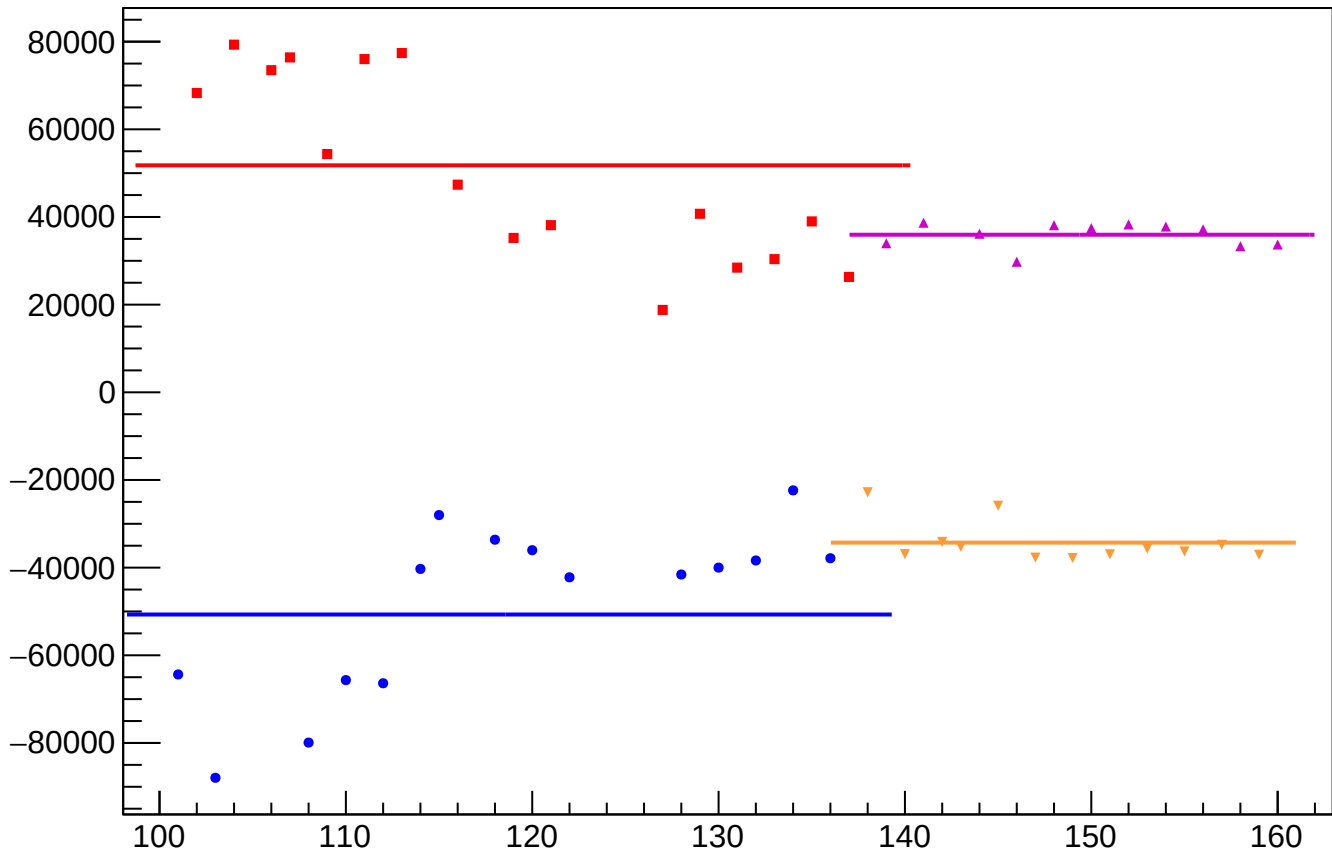
Right In: 136.711 $\pm$ 0.000 χ^2 /NDF: 2687065030885227126291764267456659456.0/14
 Left Out: 75.033 $\pm$ 0.000 χ^2 /NDF: 265697800274954088415608872374370304.0/11
 Right Out: -138.179 $\pm$ 0.000 χ^2 /NDF: 3230883352878636334641613561898467328.0/15
 Left In: -79.096 $\pm$ 0.000 χ^2 /NDF: 243975342218114768326270780809674752.0/10
 All: -2.445 $\pm$ 0.000 χ^2 /NDF: 4221727121021

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -50695.424+/-0.000

Left Out: -34292.100+/-0.000

Right Out: 51783.912+/-0.000

Left In: 35949.660+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 20273129403990820789866105908116664090624.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 6535777806152232441815832130596699635712.0/10

Left: 962.319+/-0.000 χ^2/NDF : 2297605791567623

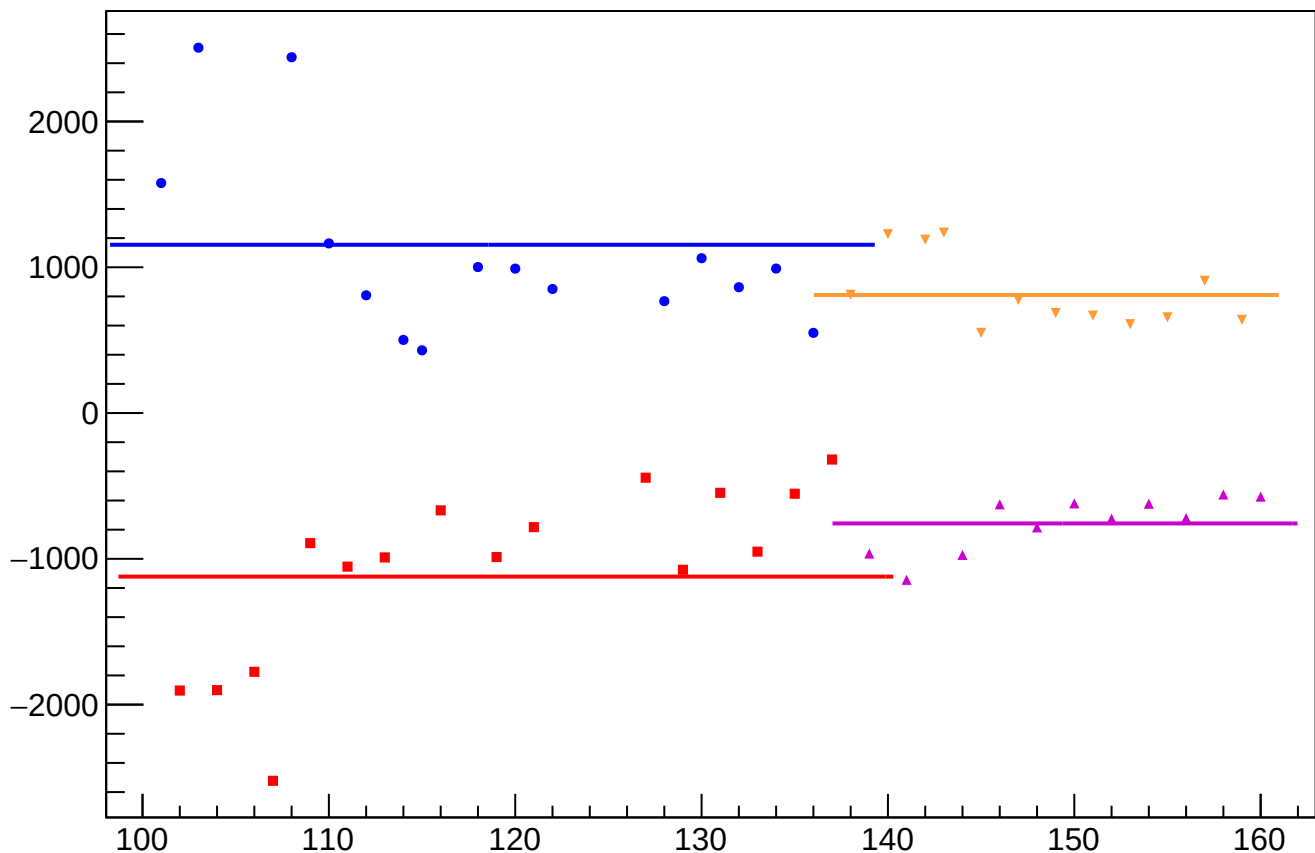
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1953.291+/-0.000 χ^2/NDF : 316297321958790

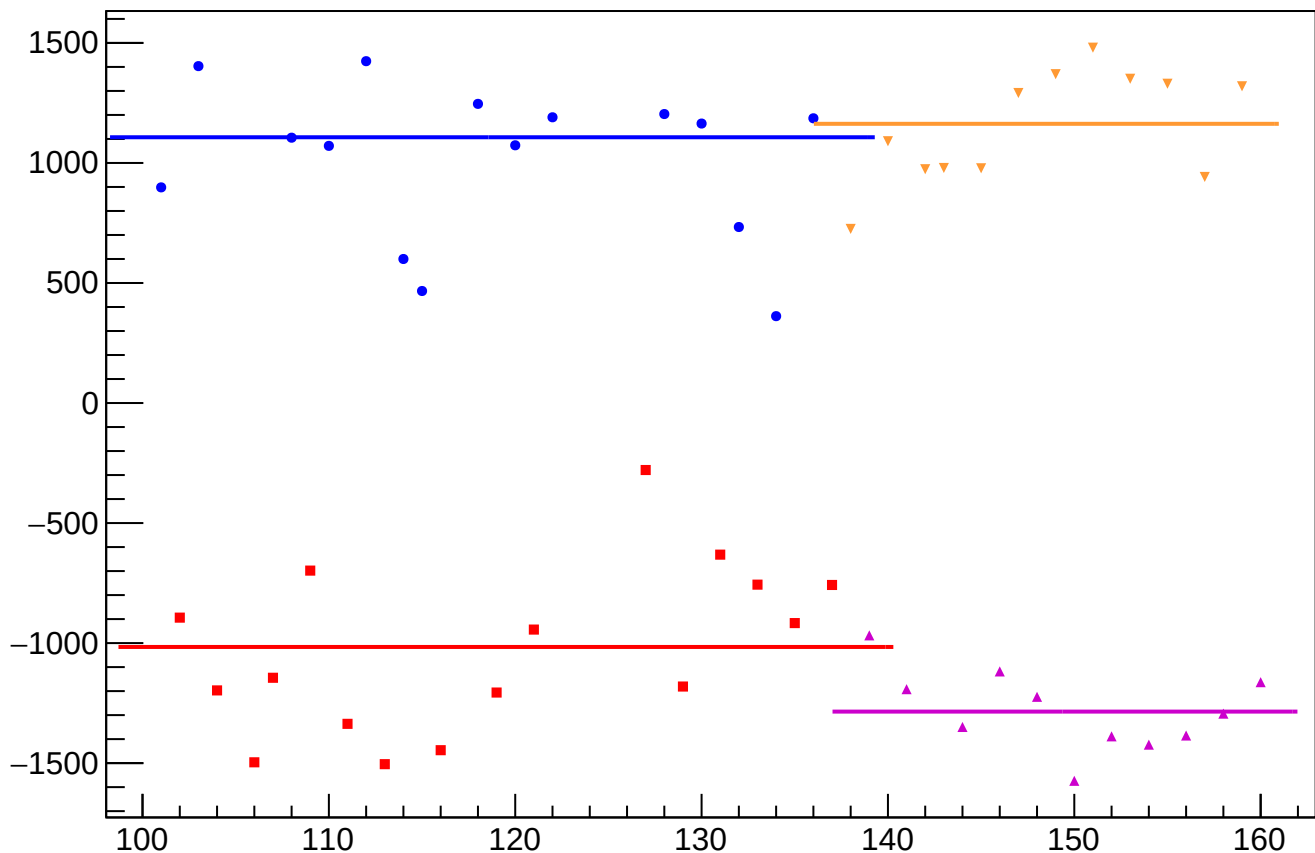
All: 1080.193+/-0.000 χ^2/NDF : 62605866913

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



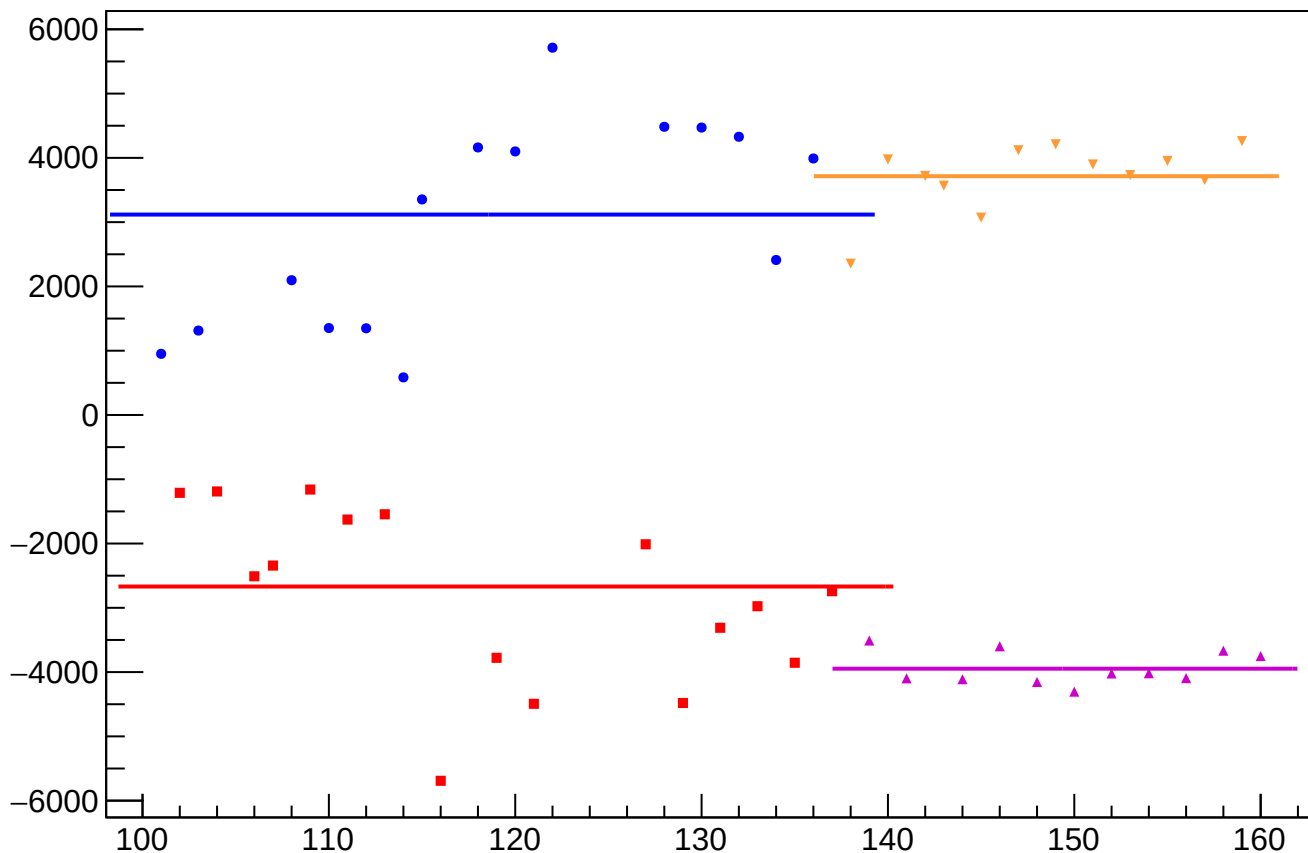
Left: 23.400+/-0.000 χ^2/NDF : 12117231101233370
 Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Right: 0.631+/-0.000 χ^2/NDF : 21797856278979973
 Left Out: 810.109+/-0.000 χ^2/NDF : 49902289627136601603211934324001603584.0/11
 In: 31.386+/-0.000 χ^2/NDF : 167352264529272497
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Out: -3.447+/-0.000 χ^2/NDF : 17174263526511374
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 All: 13.909+/-0.000 χ^2/NDF : 3391906593651

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



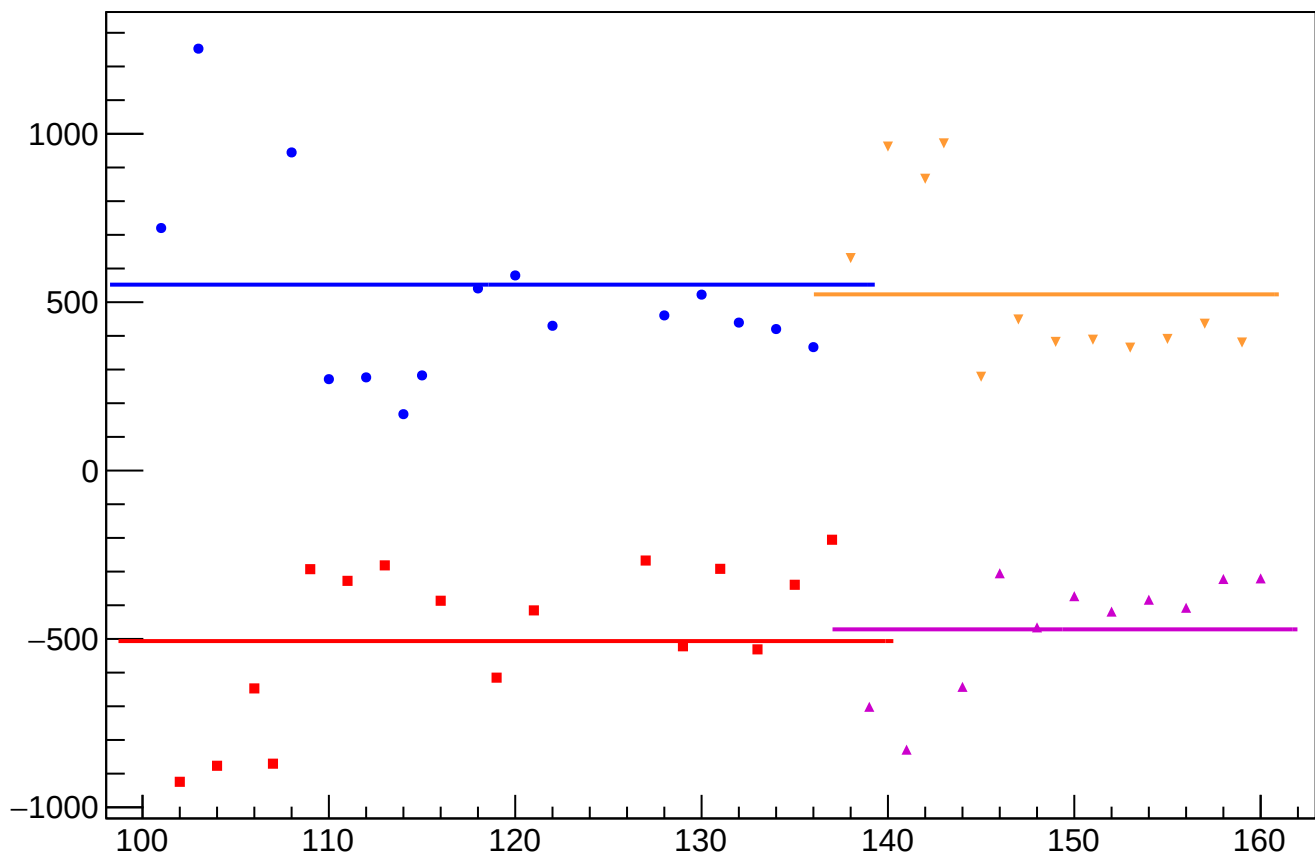
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914 $\pm$ 0.000 χ^2 /NDF: 1552738593335565674554918493159210090496.0/14
 Left Out: 3714.902 $\pm$ 0.000 χ^2 /NDF: 249652403492940962475363372882127224832.0/11
 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: 41105827728320

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108 $\pm$ 0.000 χ^2 /NDF: 50739041741159119848523988236001869824.0/14

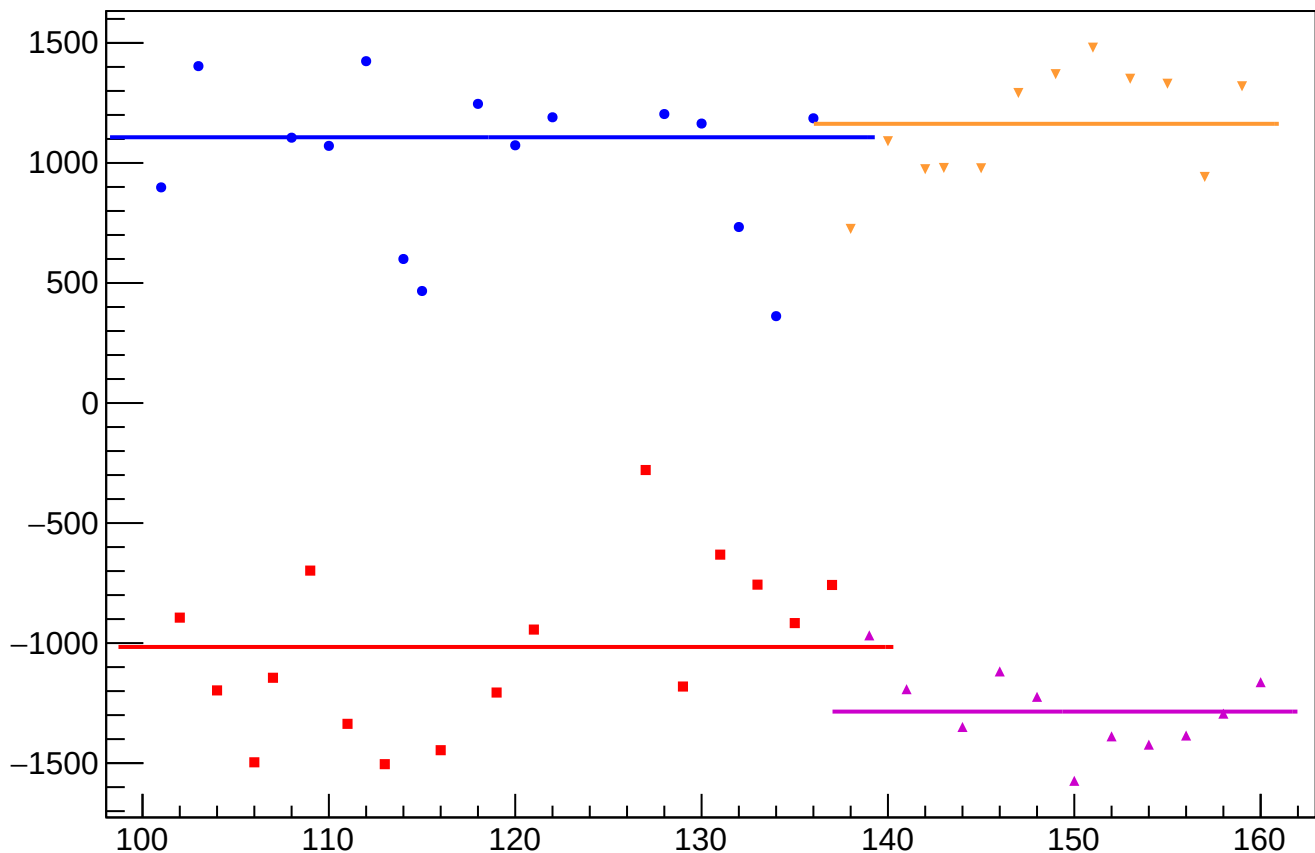
Left Out: 523.267 $\pm$ 0.000 χ^2 /NDF: 49702866244992097410386834059494948864.0/11

Right Out: -506.345 $\pm$ 0.000 χ^2 /NDF: 37181653297314883501659131806010572800.0/15

Left In: -471.540 $\pm$ 0.000 χ^2 /NDF: 25680884477827715914944205366363160576.0/10

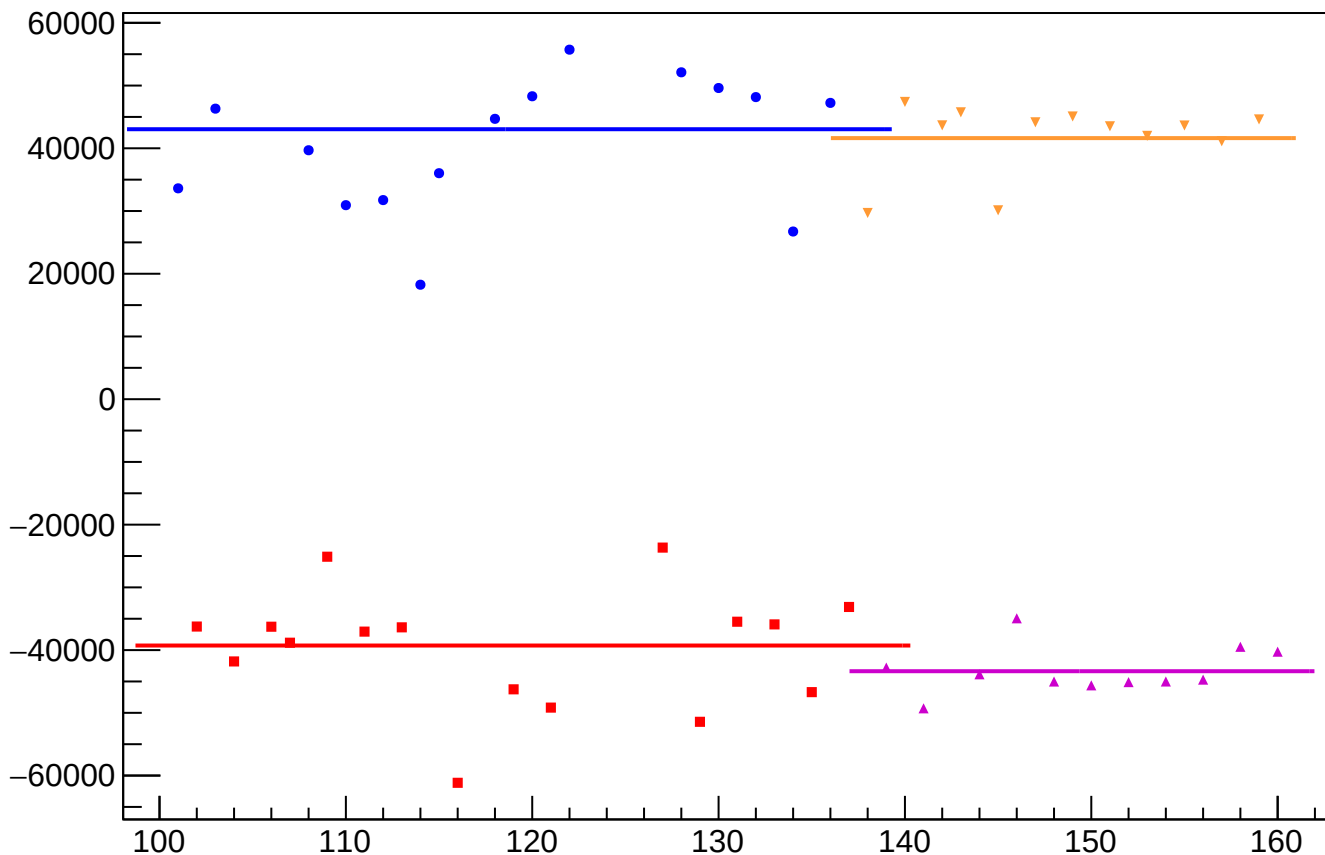
All: 20.500 $\pm$ 0.000 χ^2 /NDF: 9873505575210

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43039.927+/-0.000

χ^2/NDF : 48397052922561722652666786407552179503104.0/14

Left Out: 41622.622+/-0.000

χ^2/NDF : 28728414397722339003377552504288532496384.0/11

Right Out: -39269.627+/-0.000

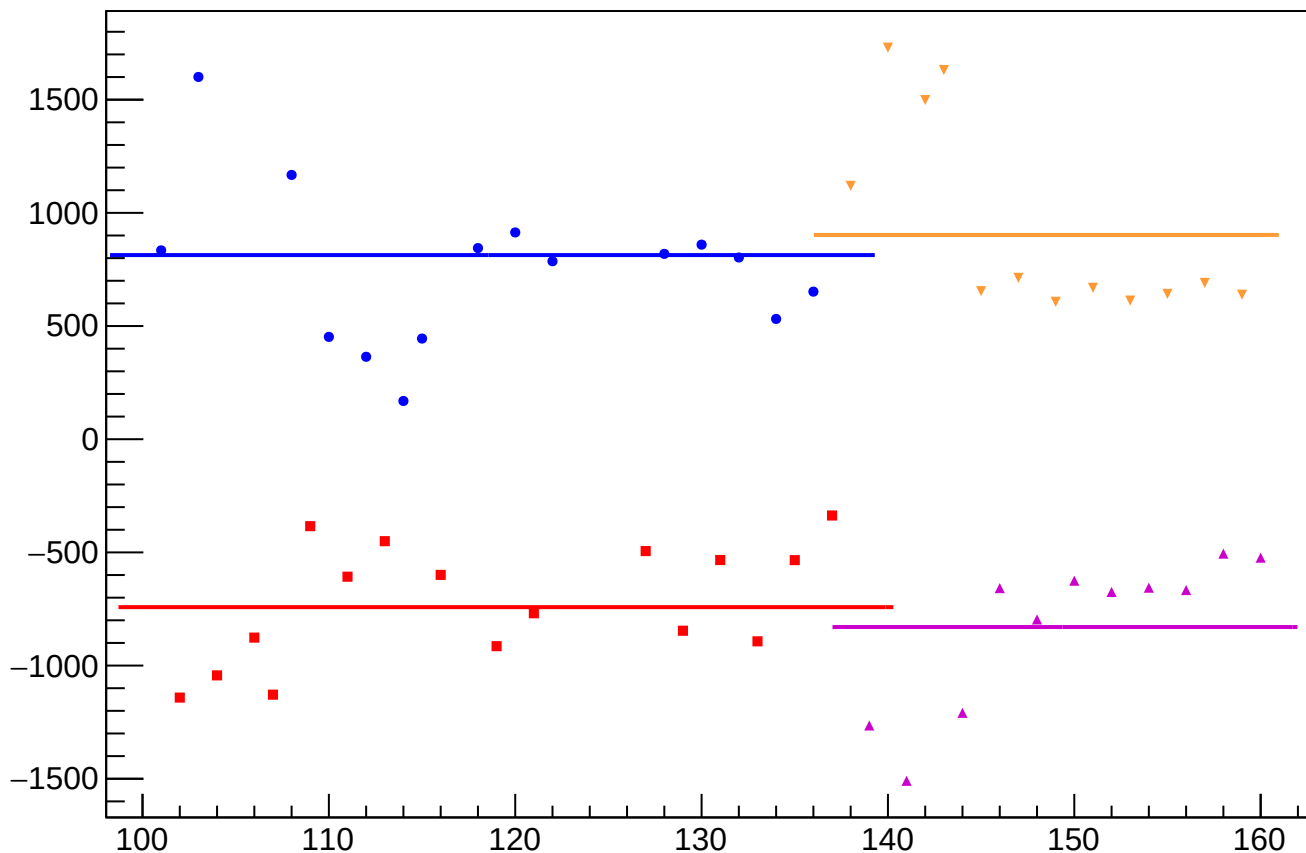
χ^2/NDF : 51873036517757666237545716605051585167360.0/15

Left In: -43364.892+/-0.000

χ^2/NDF : 12209695723681592241000188414954802511872.0/10

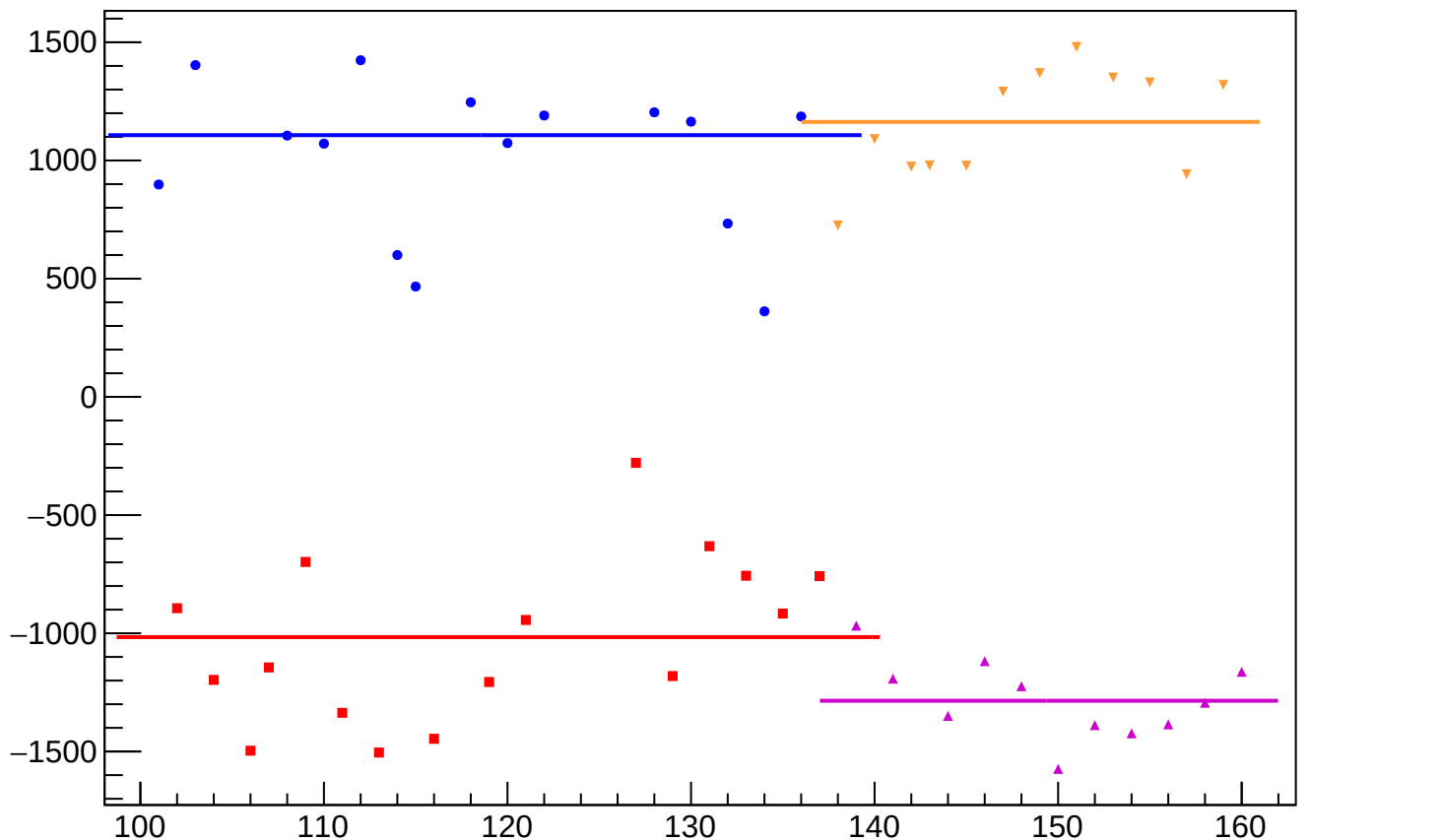
All: -51.044+/-0.000 χ^2/NDF : 569825828480

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



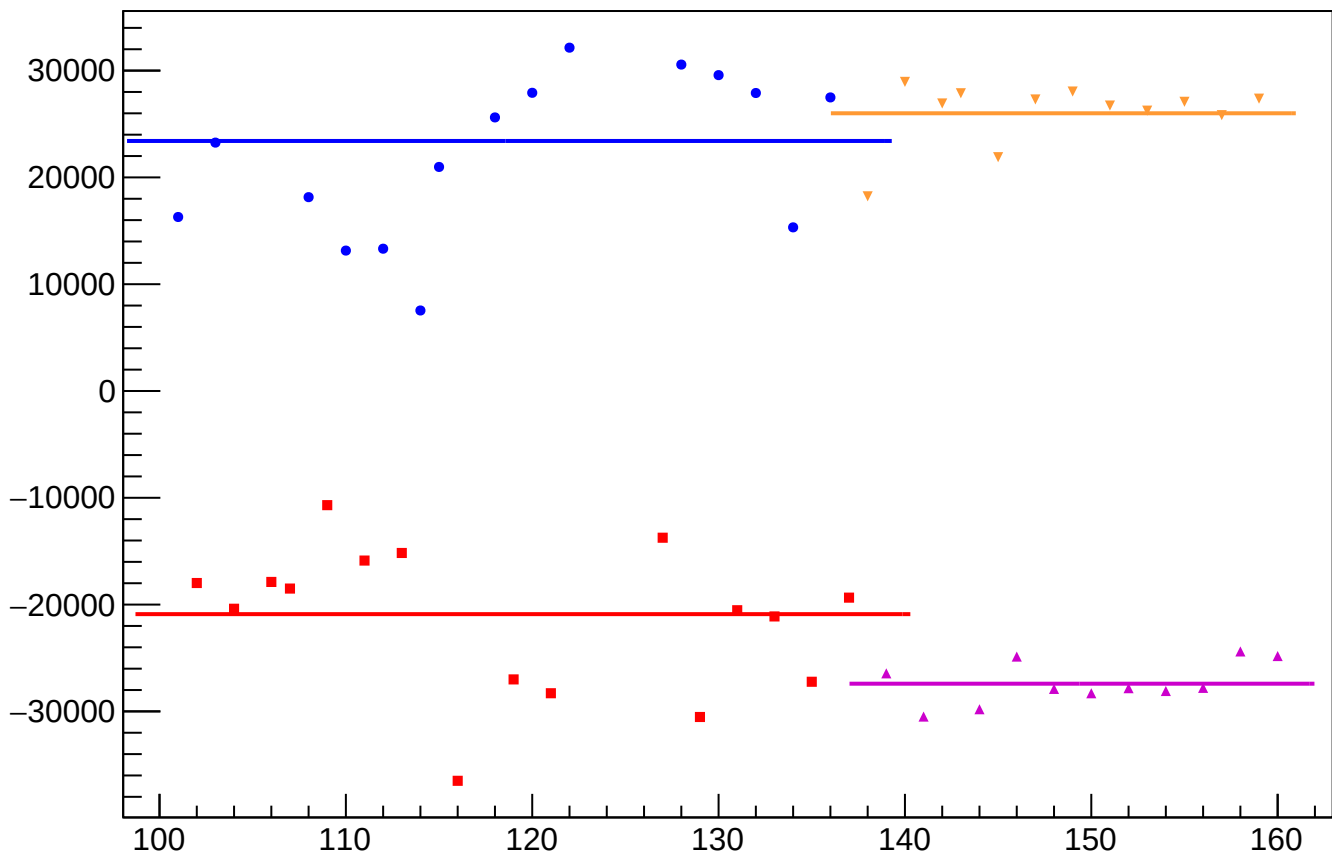
Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Left Out: 902.421+/-0.000 χ^2/NDF : 152718326074036425760692281422815166464.0/11
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Left In: -829.715+/-0.000 χ^2/NDF : 96077836071623048341749512260917657600.0/10
 All: 29.766+/-0.000 χ^2/NDF : 253670777775

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



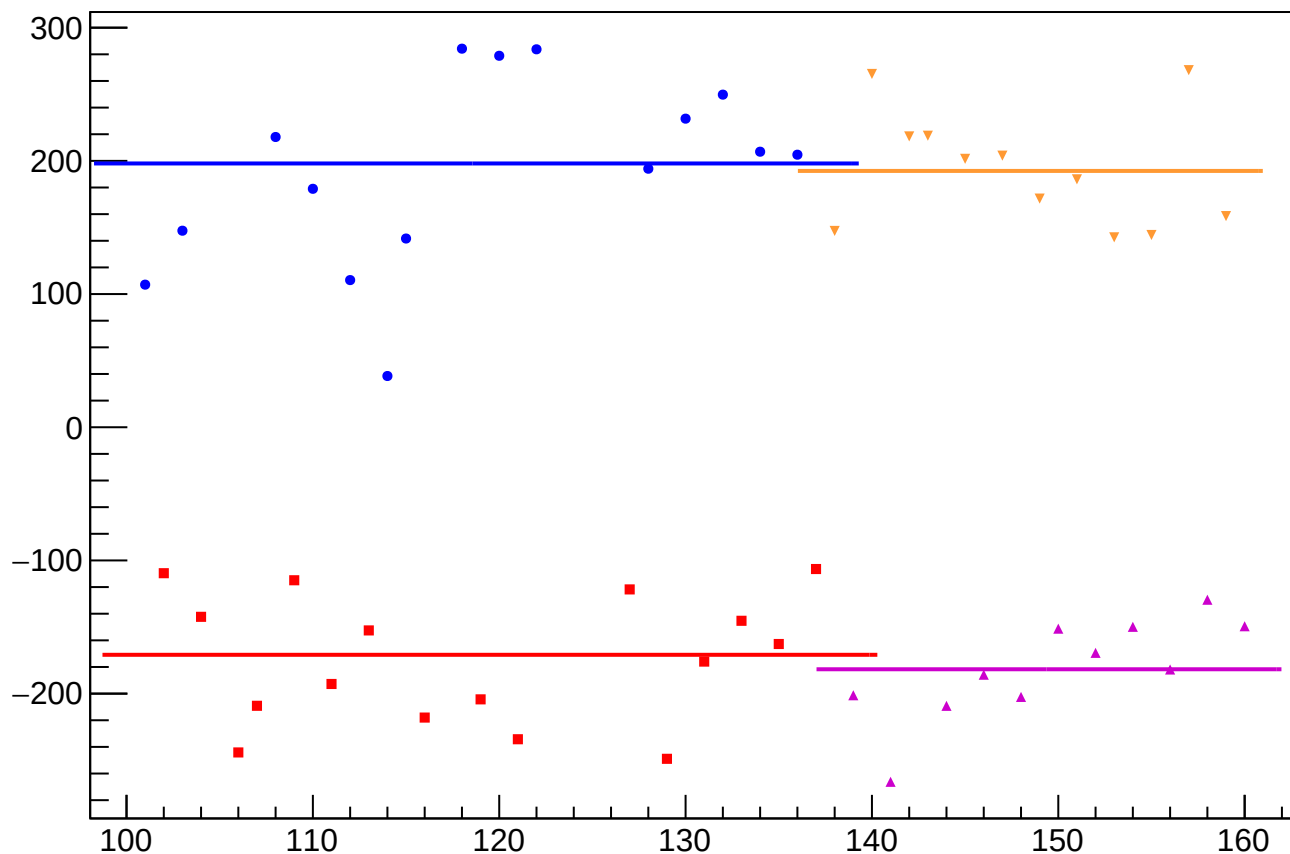
Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051 $\pm$ 0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475 $\pm$ 0.000 χ^2/NDF : 443196140049

dit_sam5_coil4_mean vs Slug, Sign Corrected



Right In: 23411.506+/-0.000 χ^2/NDF : 28427457471780319352885746571315708428288.0/14
 Left Out: 26004.082+/-0.000 χ^2/NDF : 7839626408572155503333833682521065259008.0/11
 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: -69.963+/-0.000 χ^2/NDF : 202804400443

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



Right In: 198.056 +/- 0.000

χ^2/NDF : 2482928792293864415922382990034862080.0/14

Left Out: 192.452 +/- 0.000

χ^2/NDF : 1667687947841400069416399021327515648.0/11

Right Out: -170.851 +/- 0.000

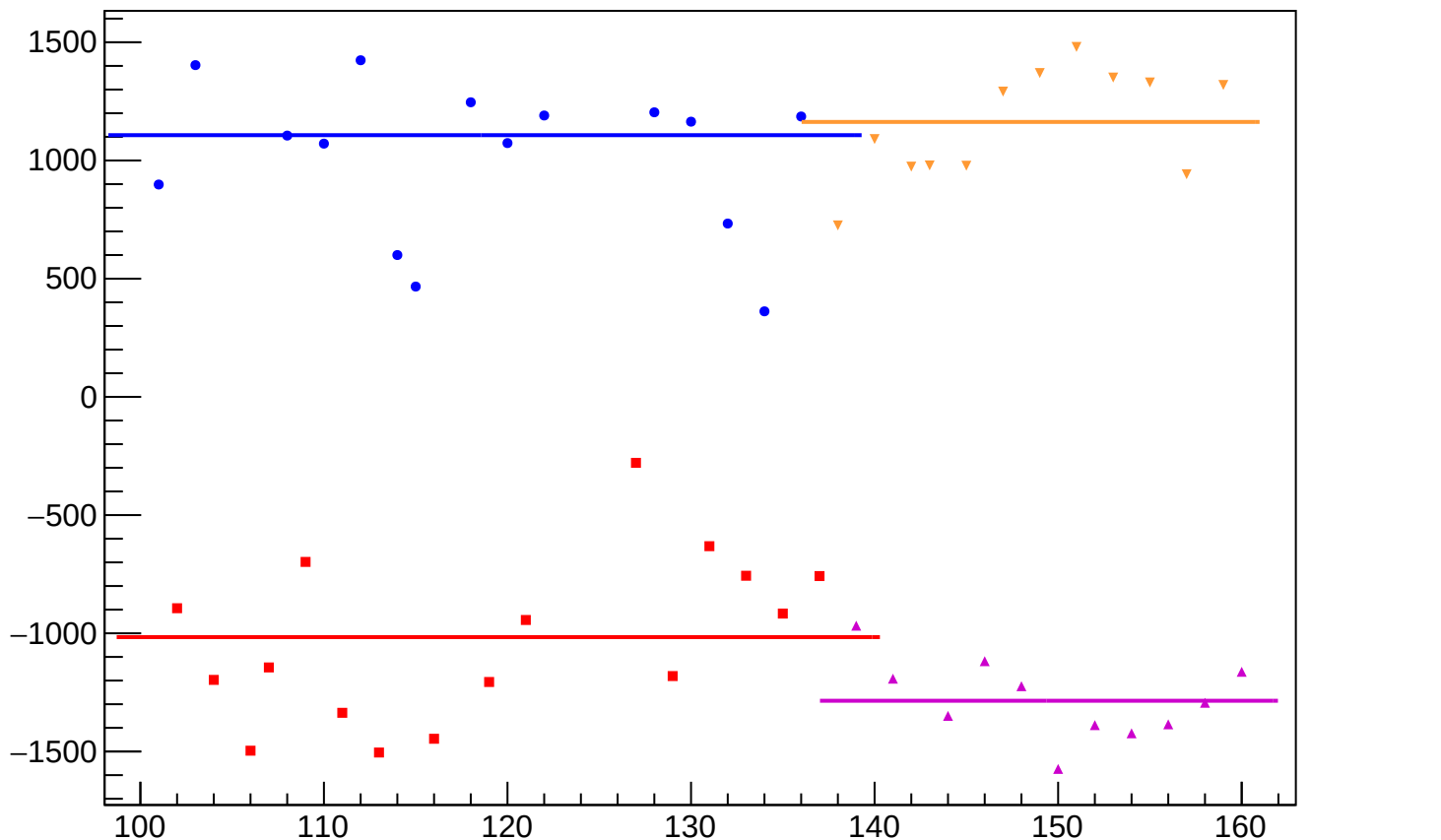
χ^2/NDF : 1418314816915016425155520631536615424.0/15

Left In: -181.711 +/- 0.000

χ^2/NDF : 1228549704796737698218369408017891328.0/10

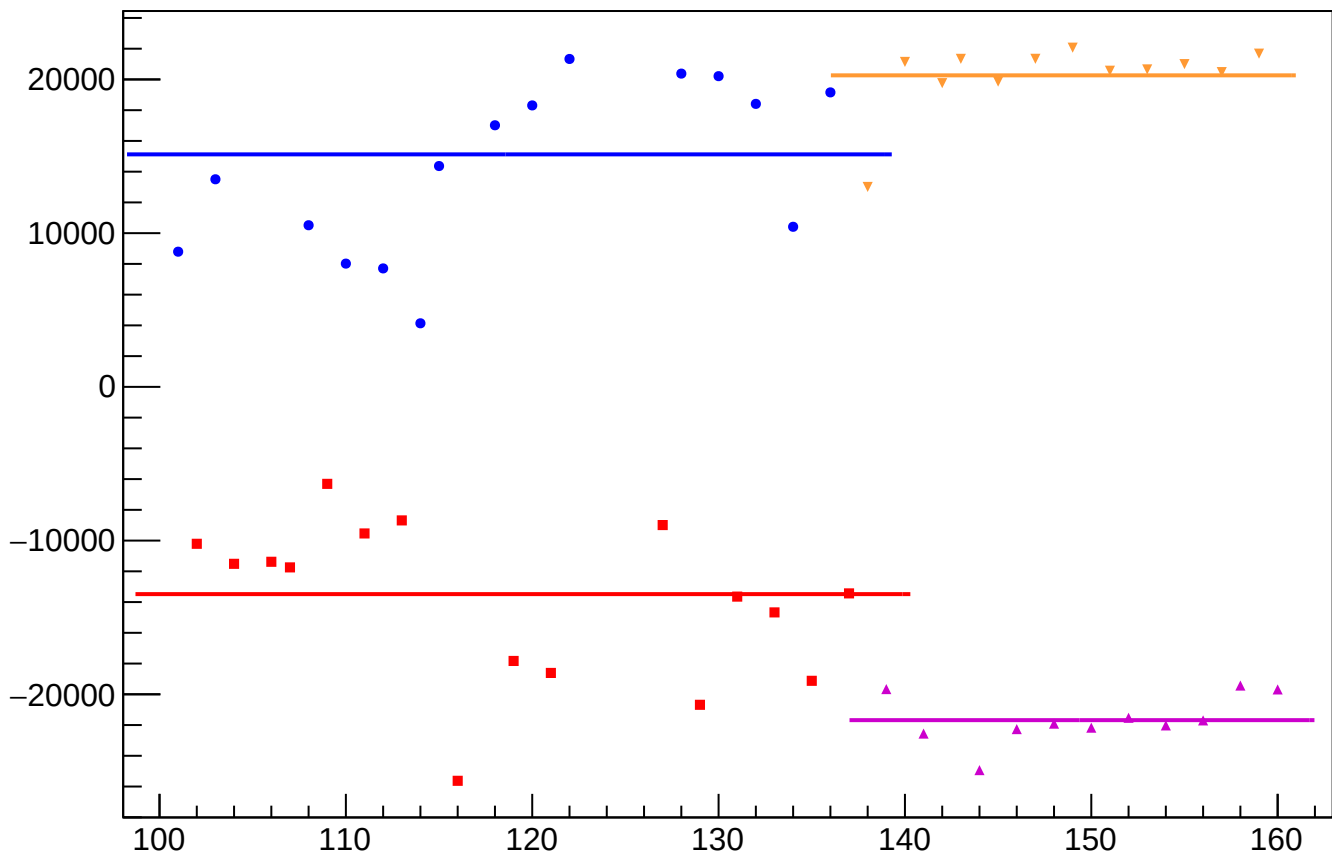
All: 7.335 +/- 0.000 χ^2/NDF : 11602845510853

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



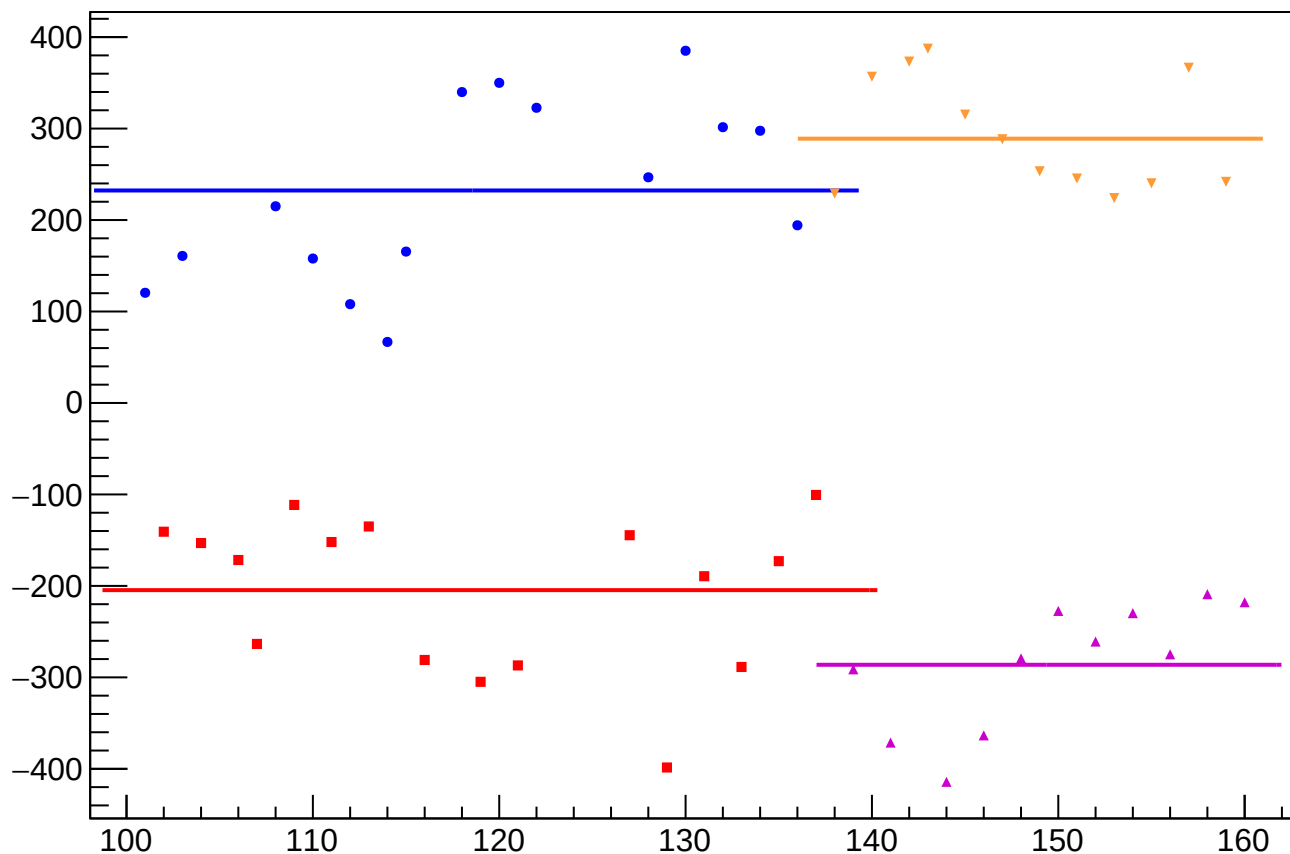
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam6_coil4_mean vs Slug, Sign Corrected



Right In: 15125.834+/-0.000 χ^2/NDF : 16615438767664069151744668380763246297088.0/14
 Left Out: 20266.540+/-0.000 χ^2/NDF : 4863660224752470739172242695454111825920.0/11
 Right Out: -13482.244+/-0.000 χ^2/NDF : 15910426475407825250252248749810022088704.0/15
 Left In: -21681.241+/-0.000 χ^2/NDF : 2108874573649202621711530332866310307840.0/10
 All: -197.985+/-0.000 χ^2/NDF : 11200933497

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



Right In: 232.312 $\pm$ 0.000

χ^2 /NDF: 5478184144885833956204804001180418048.0/14

Left Out: 288.949 $\pm$ 0.000

χ^2 /NDF: 3144080021405635930356092886432350208.0/11

Right Out: -204.637 $\pm$ 0.000

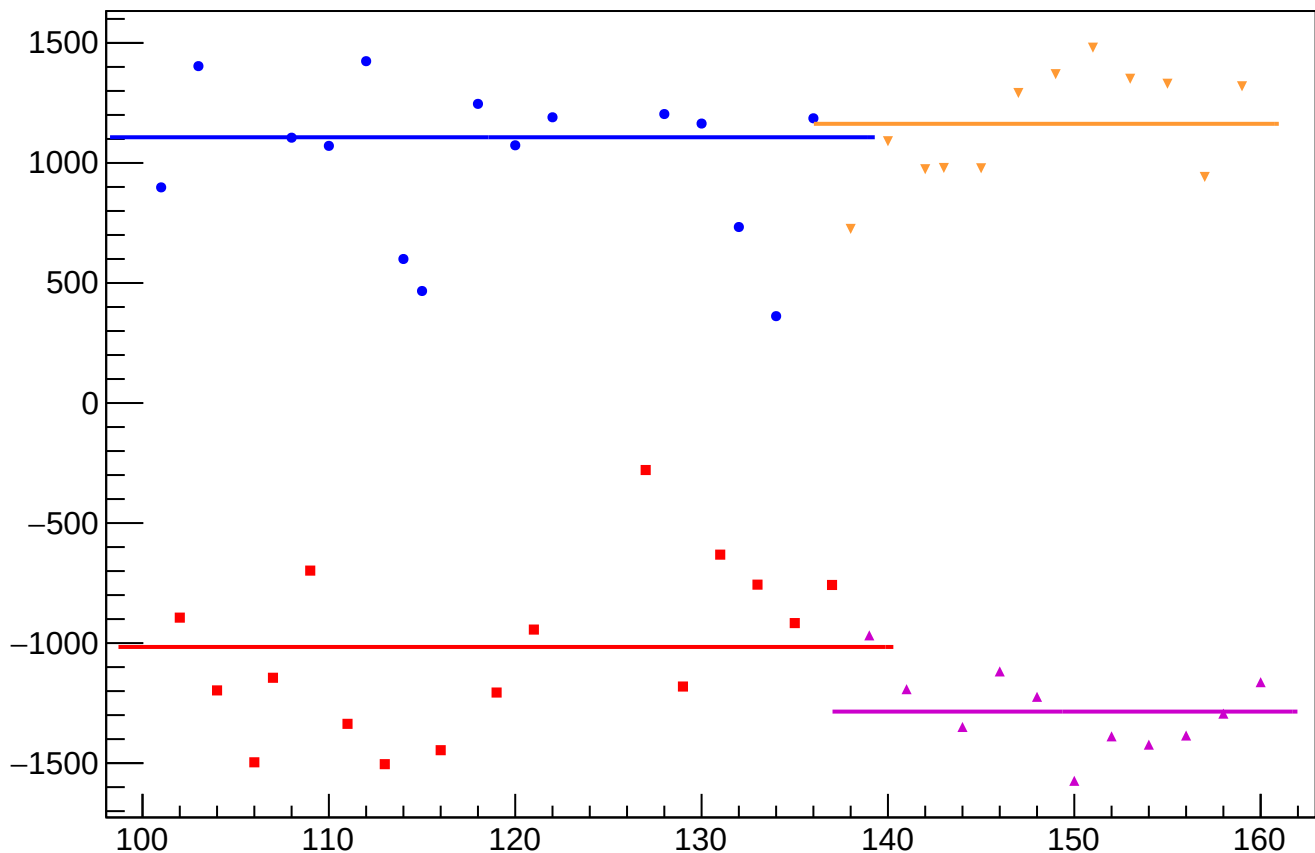
χ^2 /NDF: 4555067046835230017930882867882098688.0/15

Left In: -286.246 $\pm$ 0.000

χ^2 /NDF: 4067110443230234744644750983181631488.0/10

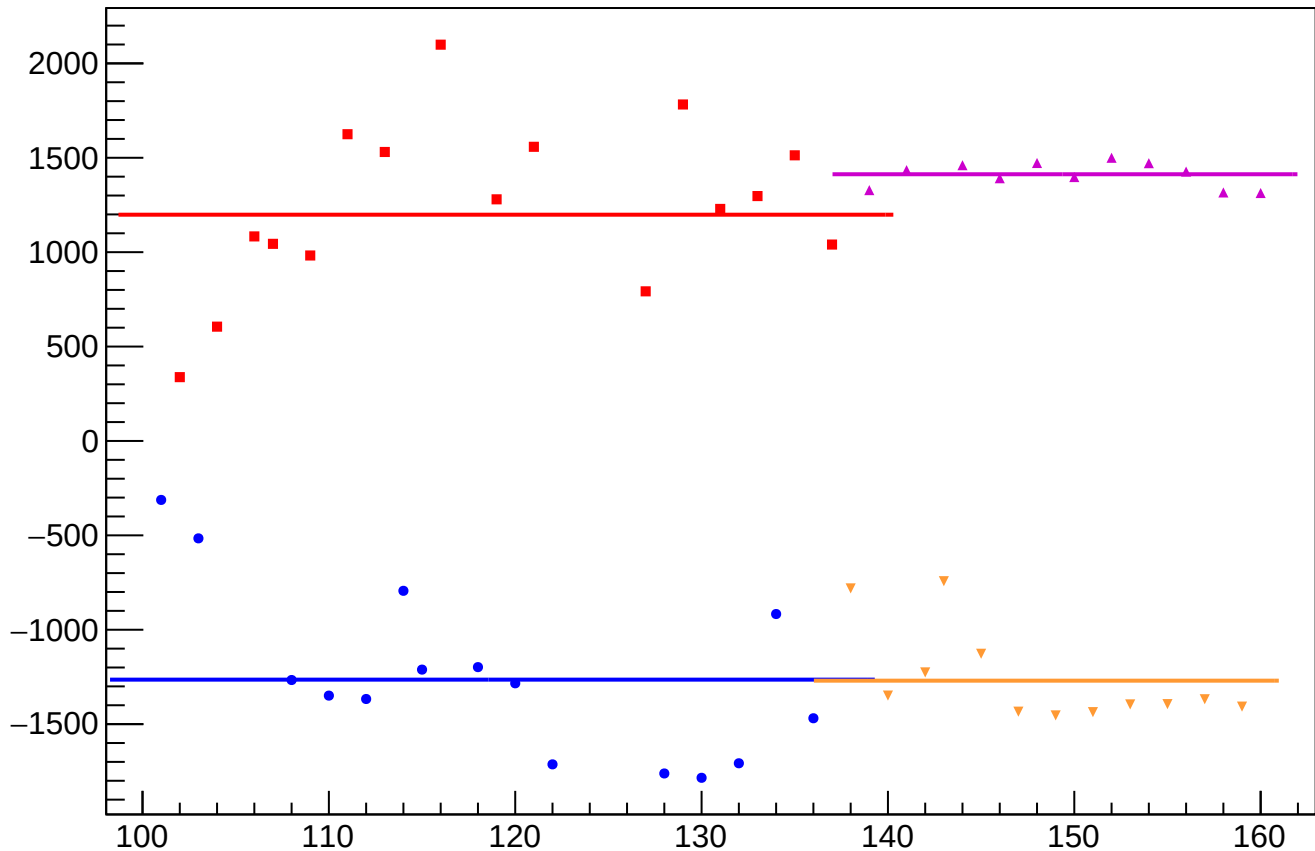
All: 4.673 $\pm$ 0.000 χ^2 /NDF: 23240426511653

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303+/-0.000

Left Out: -1269.744+/-0.000

Right Out: 1198.483+/-0.000

Left In: 1412.771+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 51411109749220710488956261055634341888.0/11

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 3642959557366432228461510163957809152.0/10

Left: 76.614+/-0.000 χ^2/NDF : 33669141743314231

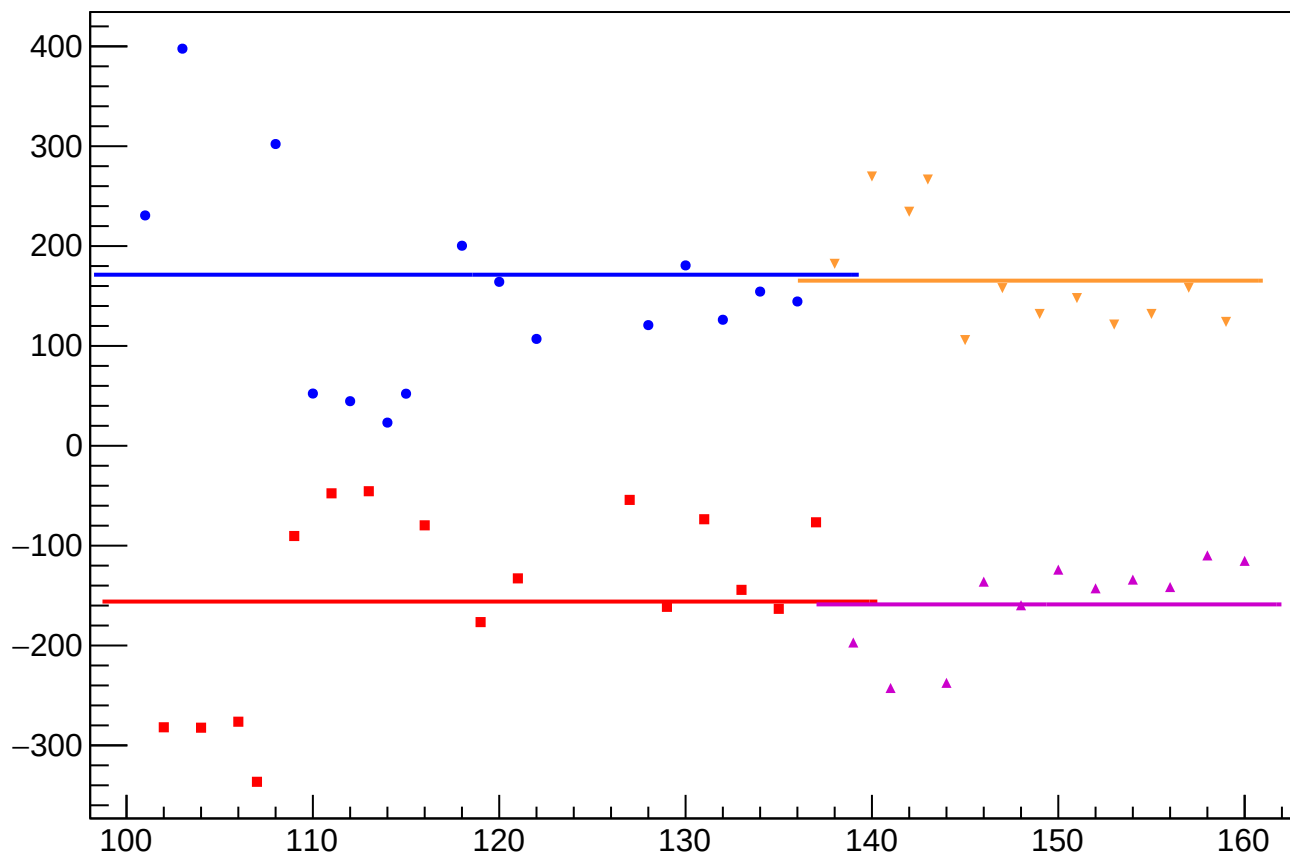
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 308.244+/-0.000 χ^2/NDF : 28760344161485338

Out: -230.408+/-0.000 χ^2/NDF : 253497117304588

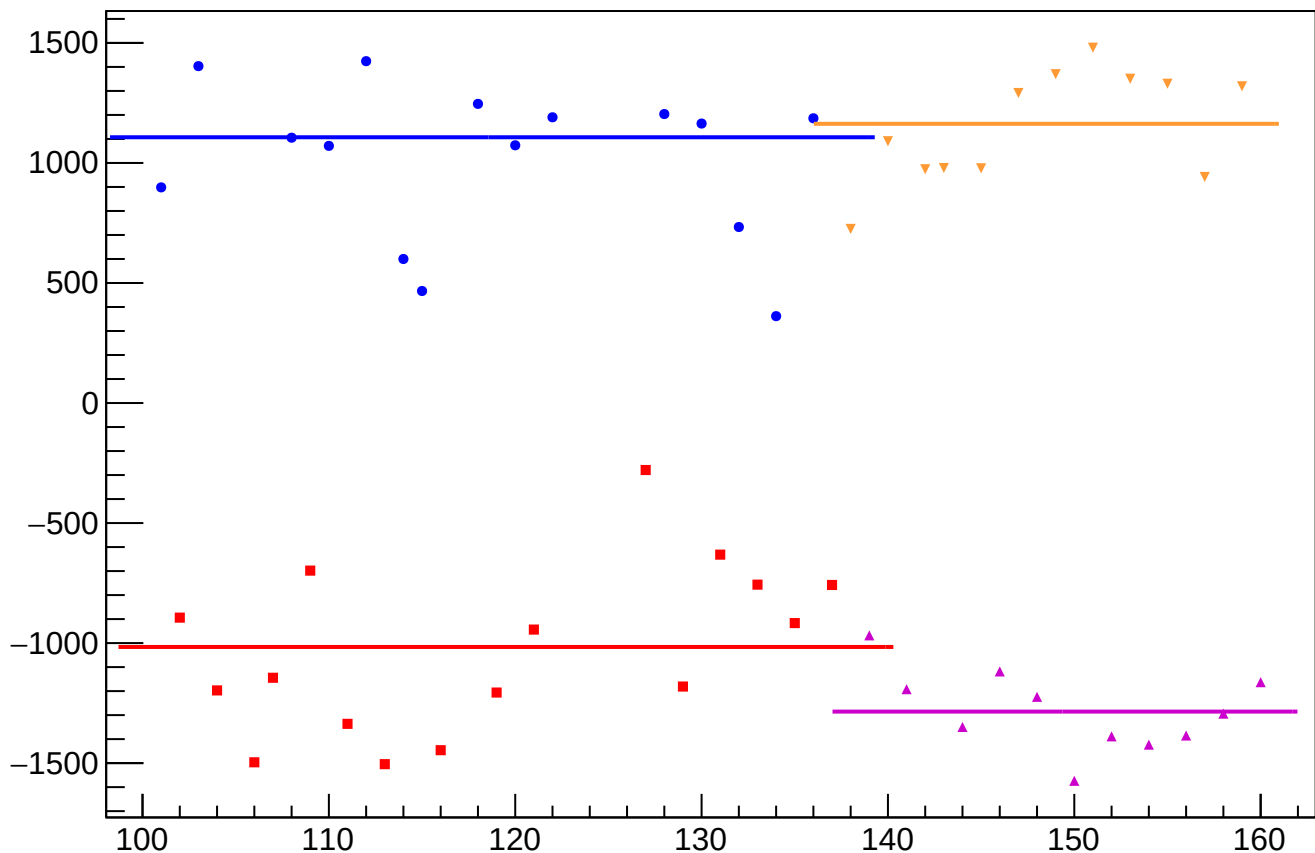
All: 37.980+/-0.000 χ^2/NDF : 5640001192745

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



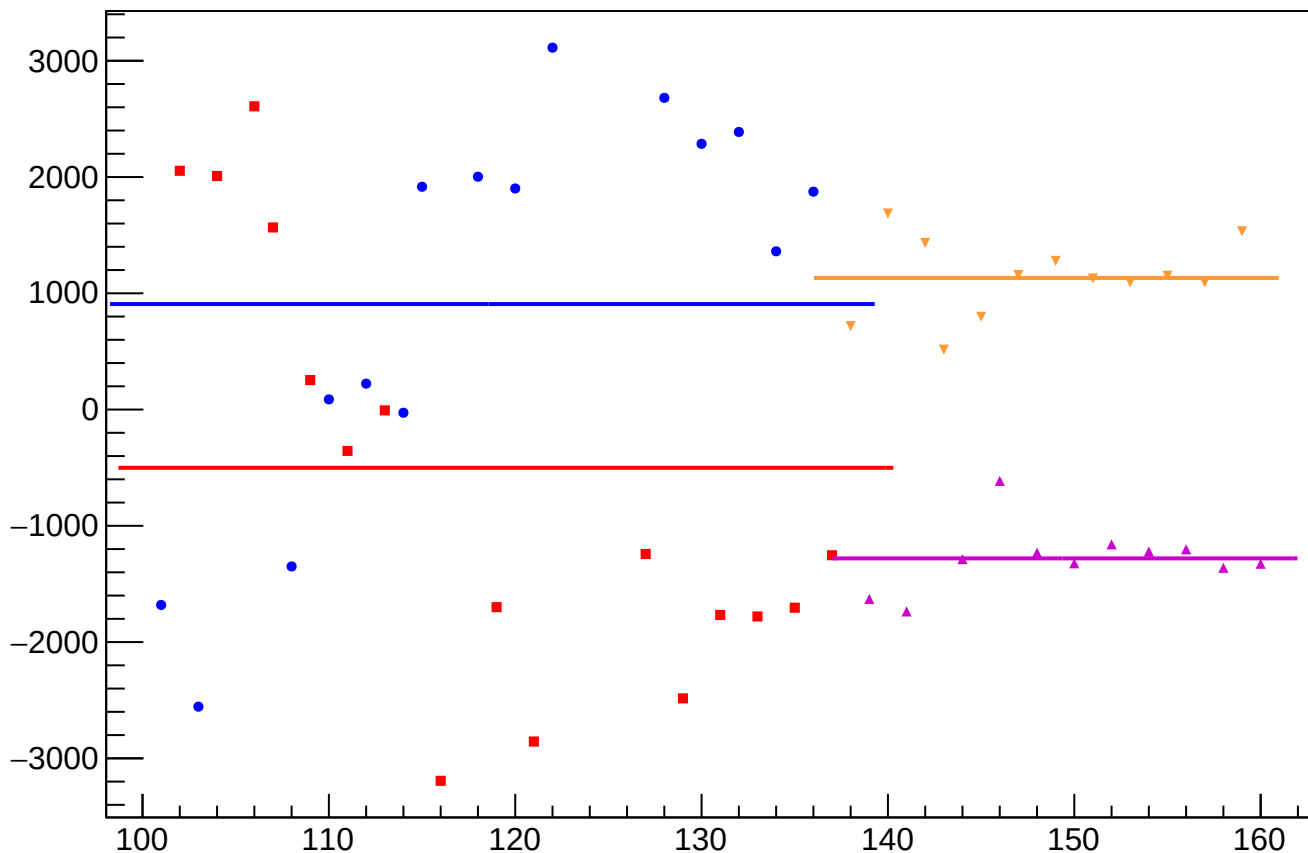
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.375+/-0.000 χ^2/NDF : 2622335351174785803279271276281069568.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 All: 3.810+/-0.000 χ^2/NDF : 99900868870086

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051 $\pm$ 0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 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: -25.475 $\pm$ 0.000 χ^2/NDF : 443196140049

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1131.794+/-0.000

χ^2/NDF : 92327464318942529302079754204983853056.0/11

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: -78.685+/-0.000 χ^2/NDF : 2837029478342244

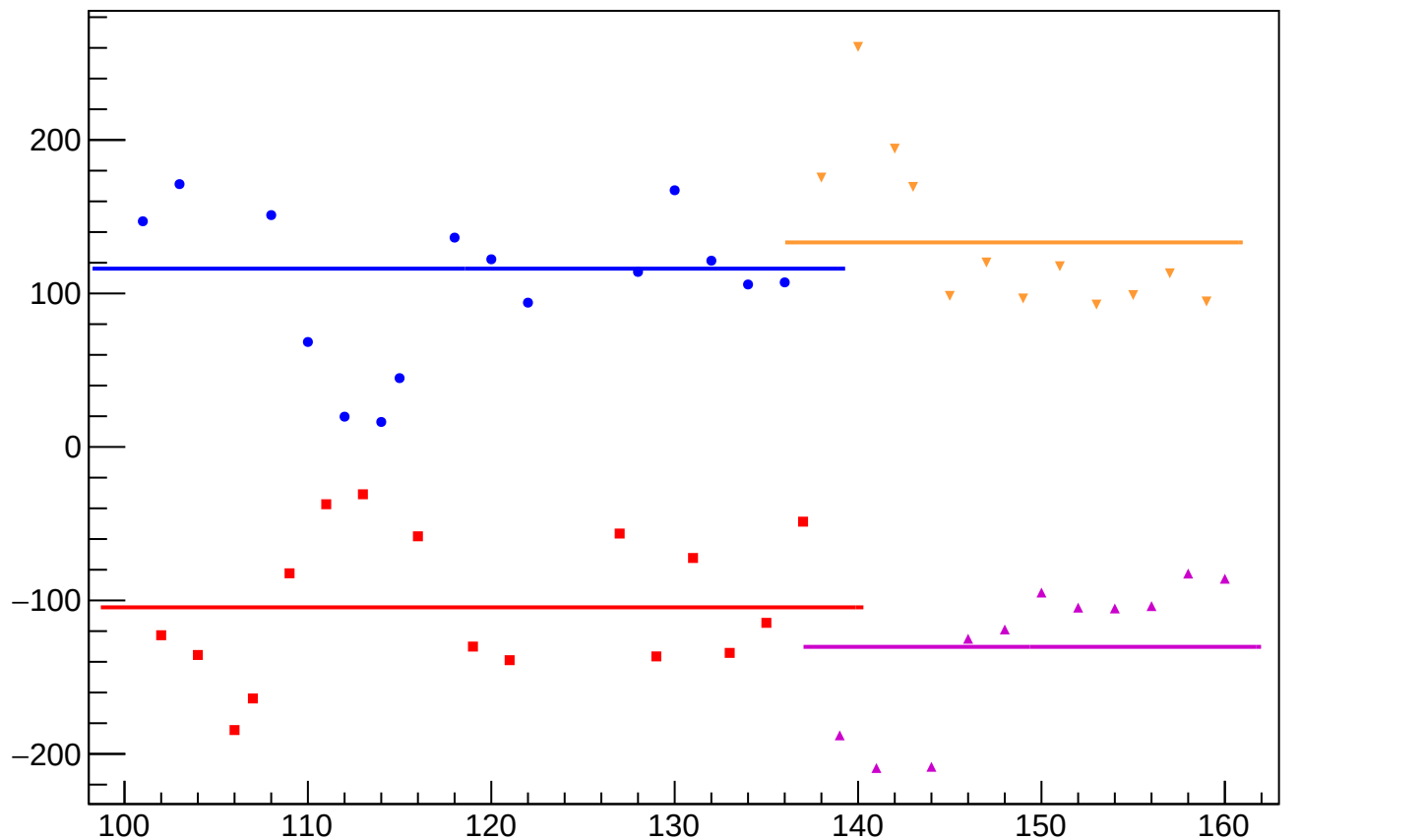
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 444.379+/-0.000 χ^2/NDF : 3195612385912640

All: 34.878+/-0.000 χ^2/NDF : 7727687301176

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159 +/- 0.000

χ^2/NDF : 1198526427485199785396504127288115200.0/14

Left Out: 133.258 +/- 0.000

χ^2/NDF : 2355510699309539172490444744349974528.0/11

Right Out: -104.501 +/- 0.000

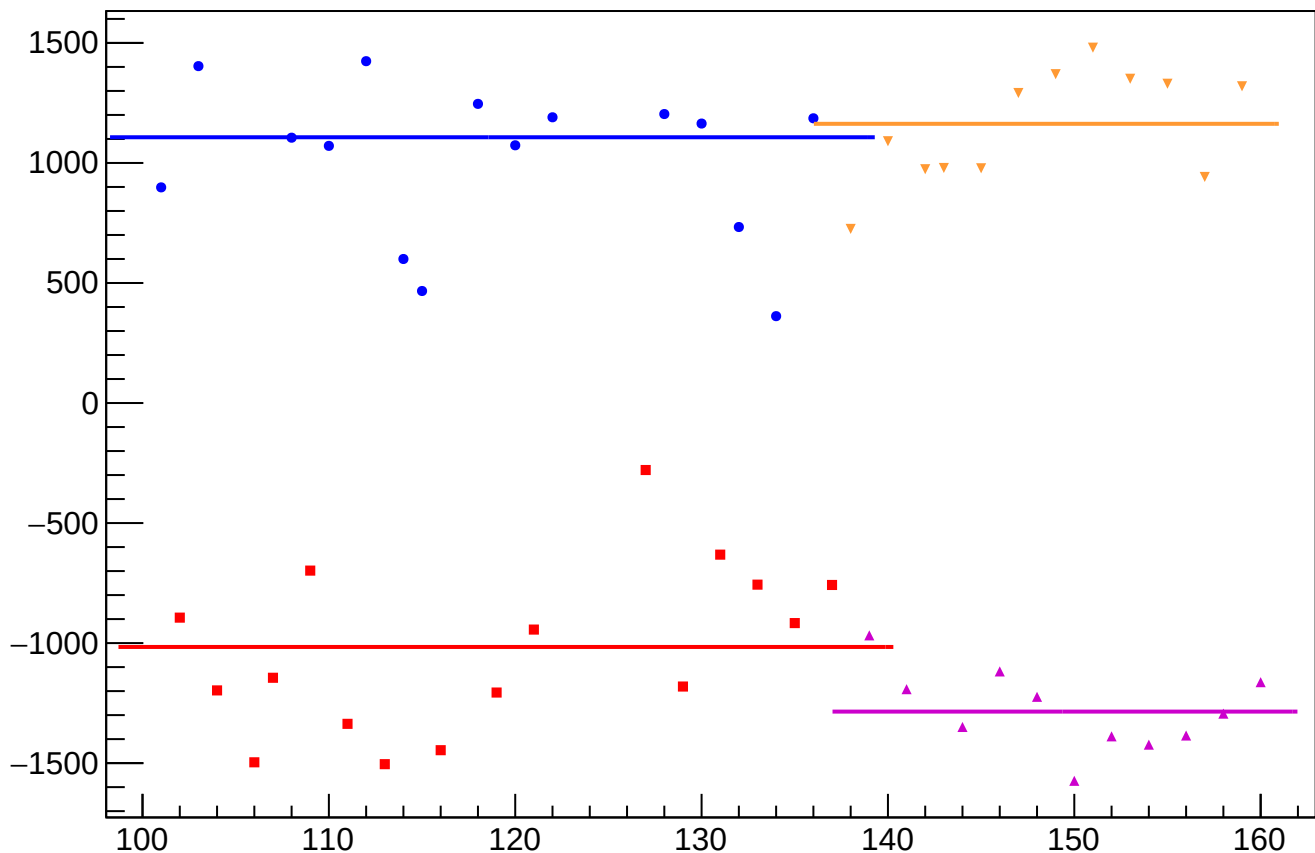
χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -130.237 +/- 0.000

χ^2/NDF : 1968814259217478663576054483231178752.0/10

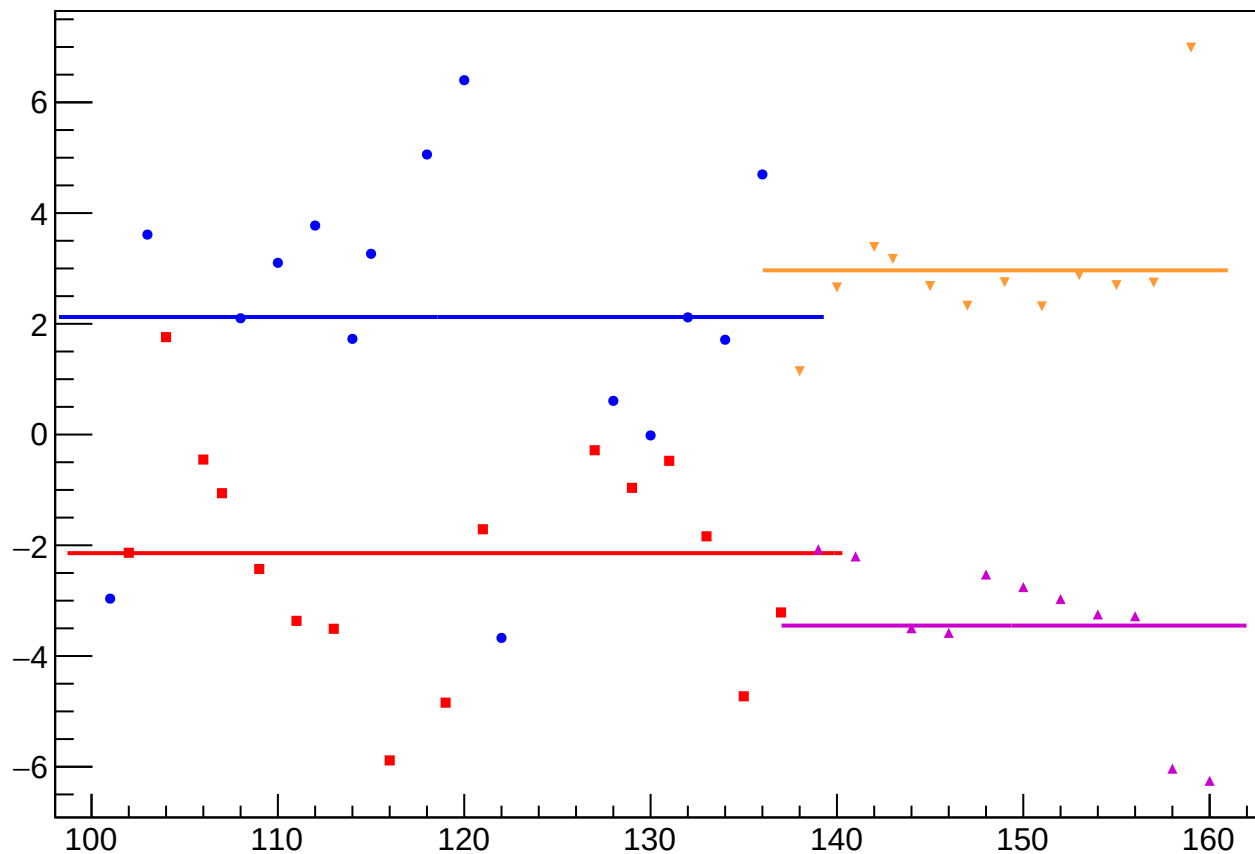
All: 2.390 +/- 0.000 χ^2/NDF : 54787939328328

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



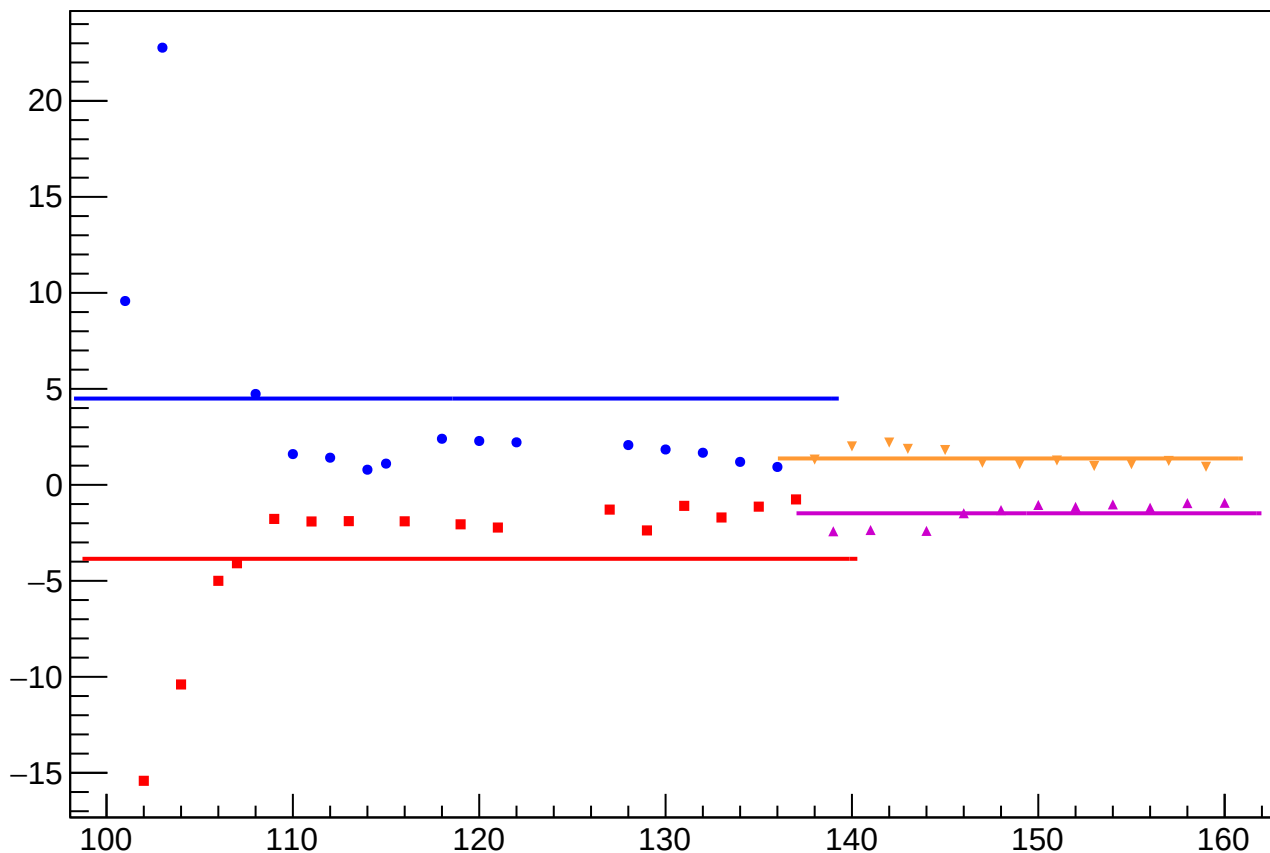
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_4aX_coil6_mean vs Slug, Sign Corrected



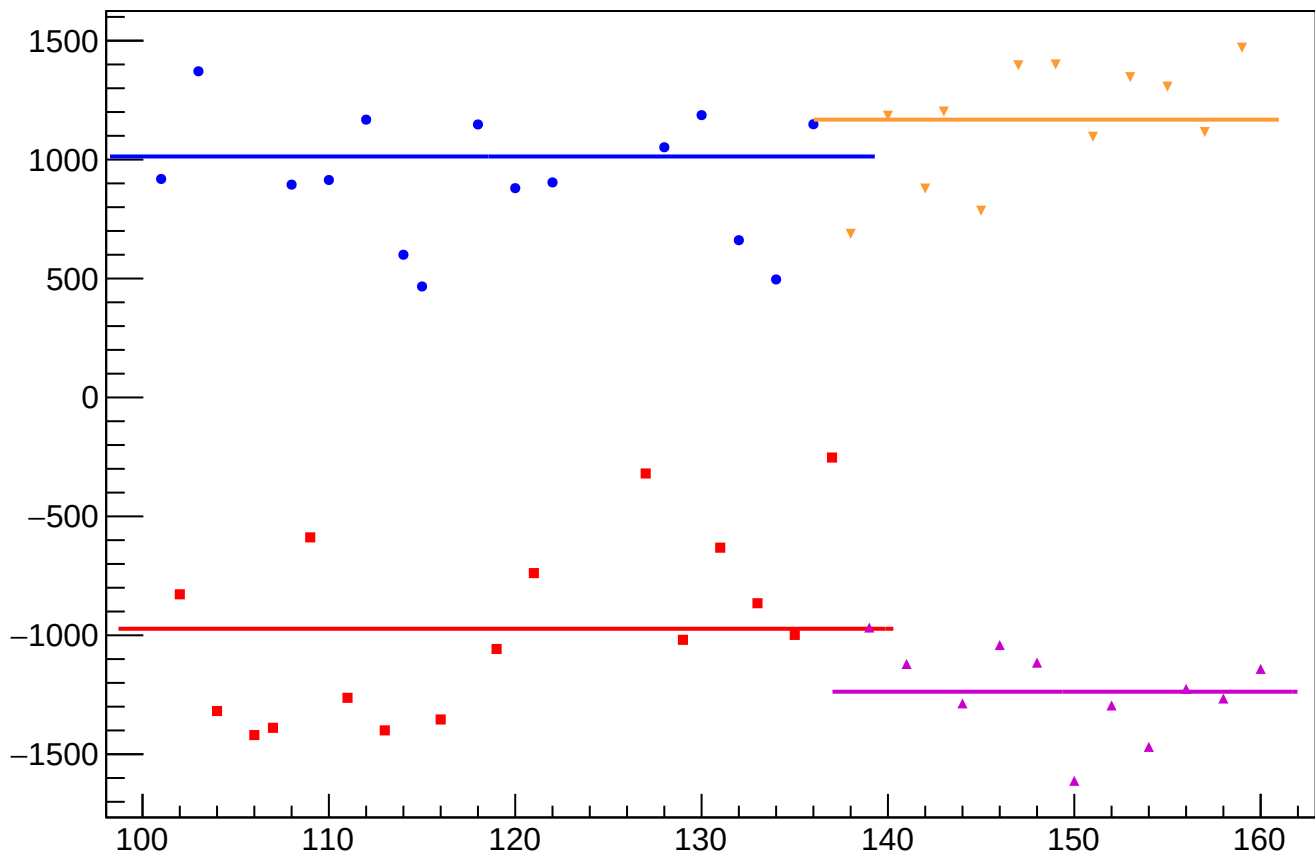
Left: -0.255 ± 0.000 χ^2/NDF : 22154610760613794
 Right In: 2.123 ± 0.000 χ^2/NDF : 5263705922821075971022013849403392.0/14
 Left Out: 2.966 ± 0.000 χ^2/NDF : 1657147599544170270871306245242880.0/11
 Right Out: -2.142 ± 0.000 χ^2/NDF : 2472949940993672466161692257026048.0/15
 Left In: -3.450 ± 0.000 χ^2/NDF : 1551935058842125730993767819771904.0/10
 In: -1.151 ± 0.000 χ^2/NDF : 186566302459324539
 Out: 0.815 ± 0.000 χ^2/NDF : 142026409717711830
 All: -0.165 ± 0.000 χ^2/NDF : 3590940357981

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



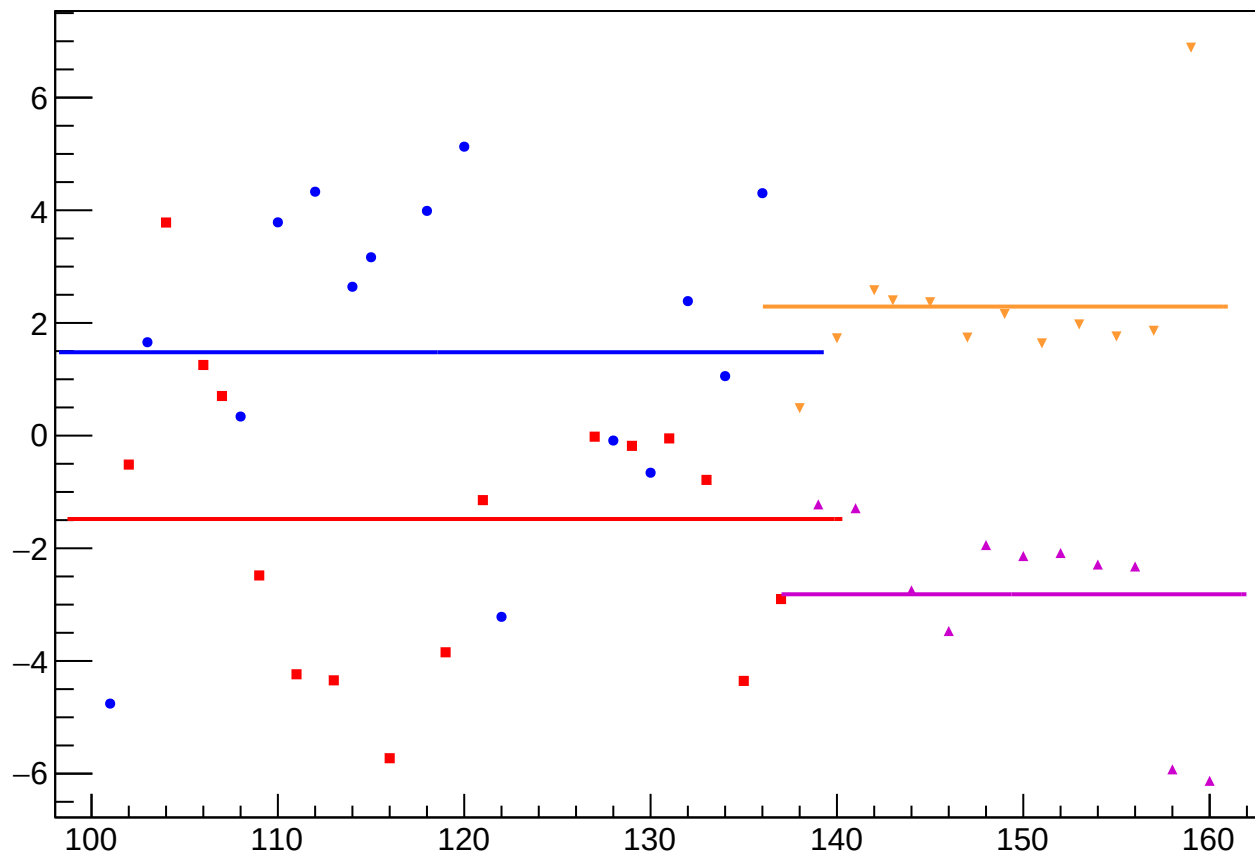
Right In: 4.495 ± 0.000 $\chi^2/\text{NDF}: 25270242219816061532329198634401792.0/14$
 Left Out: 1.375 ± 0.000 $\chi^2/\text{NDF}: 145824137057123098329032148647936.0/11$
 Right Out: -3.852 ± 0.000 $\chi^2/\text{NDF}: 12314971476556806550518847638601728.0/15$
 Left In: -1.482 ± 0.000 $\chi^2/\text{NDF}: 310337710475779495774509405831168.0/10$
 All: 0.076 ± 0.000 $\chi^2/\text{NDF}: 64797104666766.0/40$

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



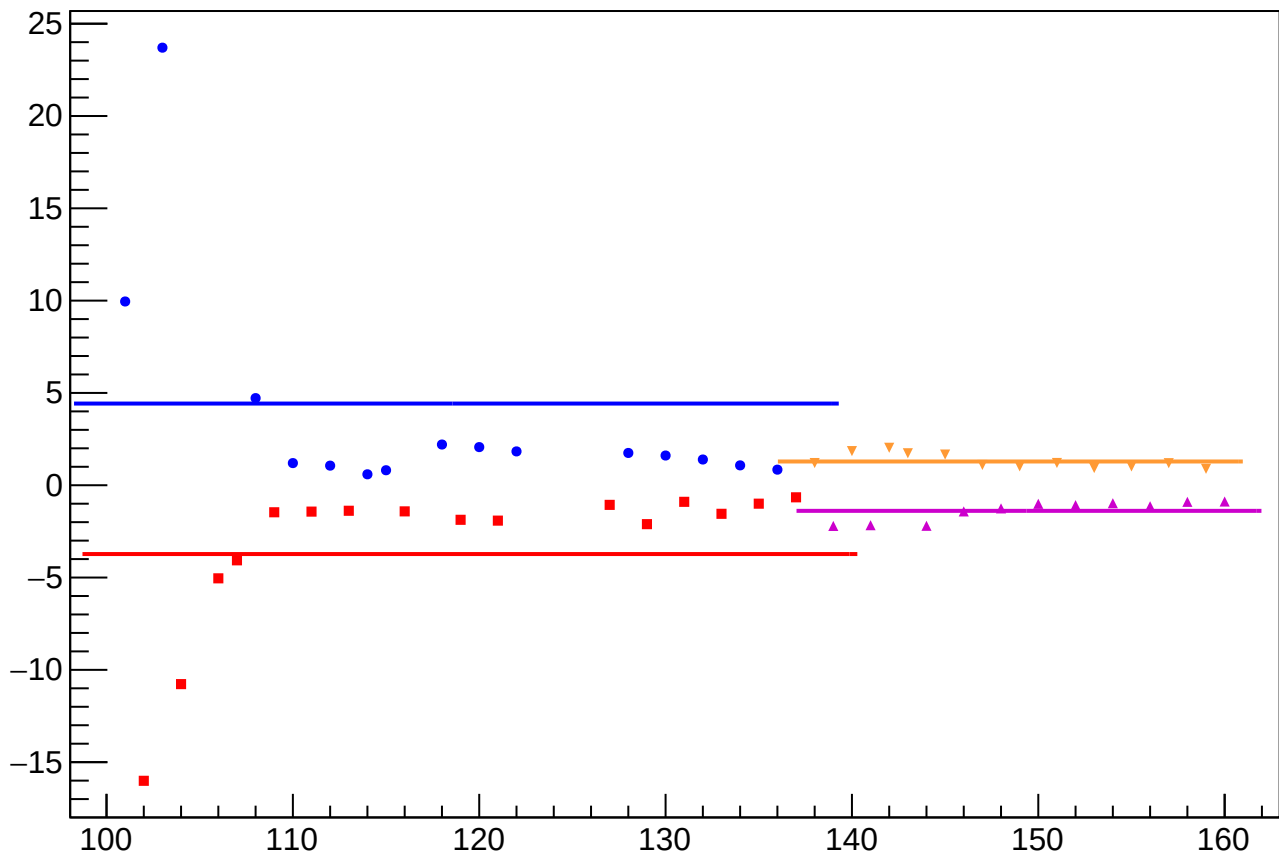
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_4eX_coil6_mean vs Slug, Sign Corrected



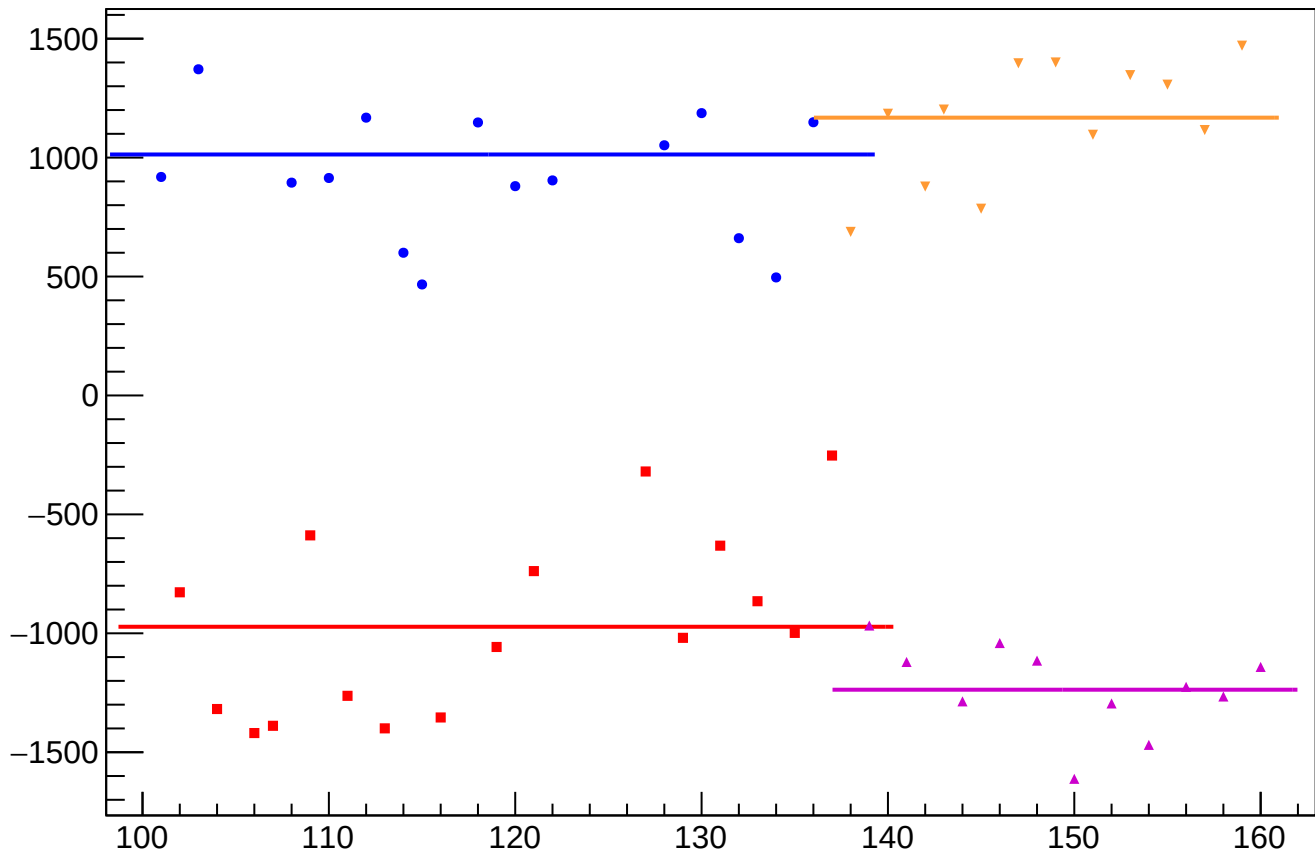
Right In: 1.480 $\pm$ 0.000 χ^2 /NDF: 5799670695902784459055767987683328.0/14
 Left Out: 2.290 $\pm$ 0.000 χ^2 /NDF: 2078203934623339407466741505196032.0/11
 Right Out: -1.480 $\pm$ 0.000 χ^2 /NDF: 4092645800613765572662987820367872.0/15
 Left In: -2.816 $\pm$ 0.000 χ^2 /NDF: 2230790234579581781884760219451392.0/10
 All: -0.167 $\pm$ 0.000 χ^2 /NDF: 2913510232132

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



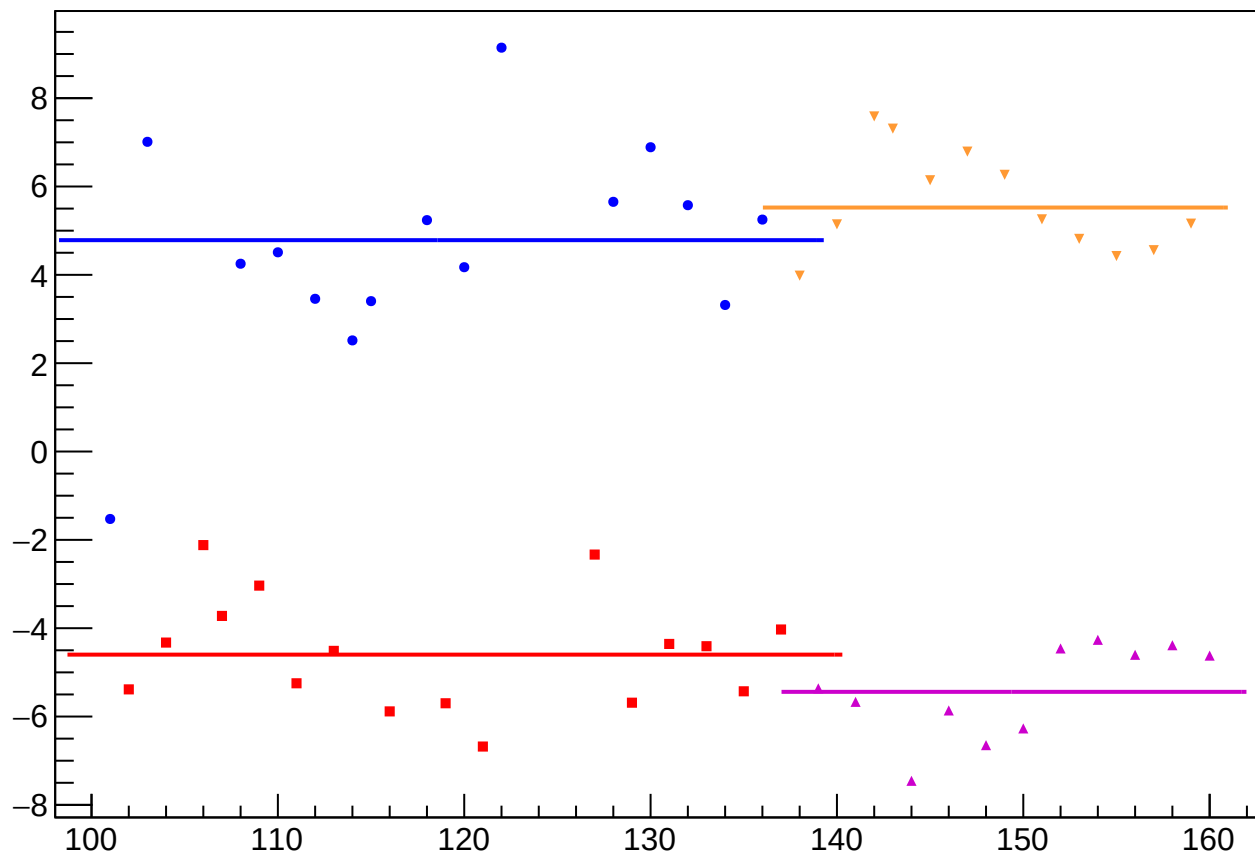
Left: -0.055 +/- 0.000 χ^2/NDF : 36513090822130209
 Right: 0.293 +/- 0.000 χ^2/NDF : 64106471830391853
 In: 1.011 +/- 0.000 χ^2/NDF : 4137923473893372080
 Out: -0.825 +/- 0.000 χ^2/NDF : 23813511461717298
 All: 0.090 +/- 0.000 χ^2/NDF : 67850915091638

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



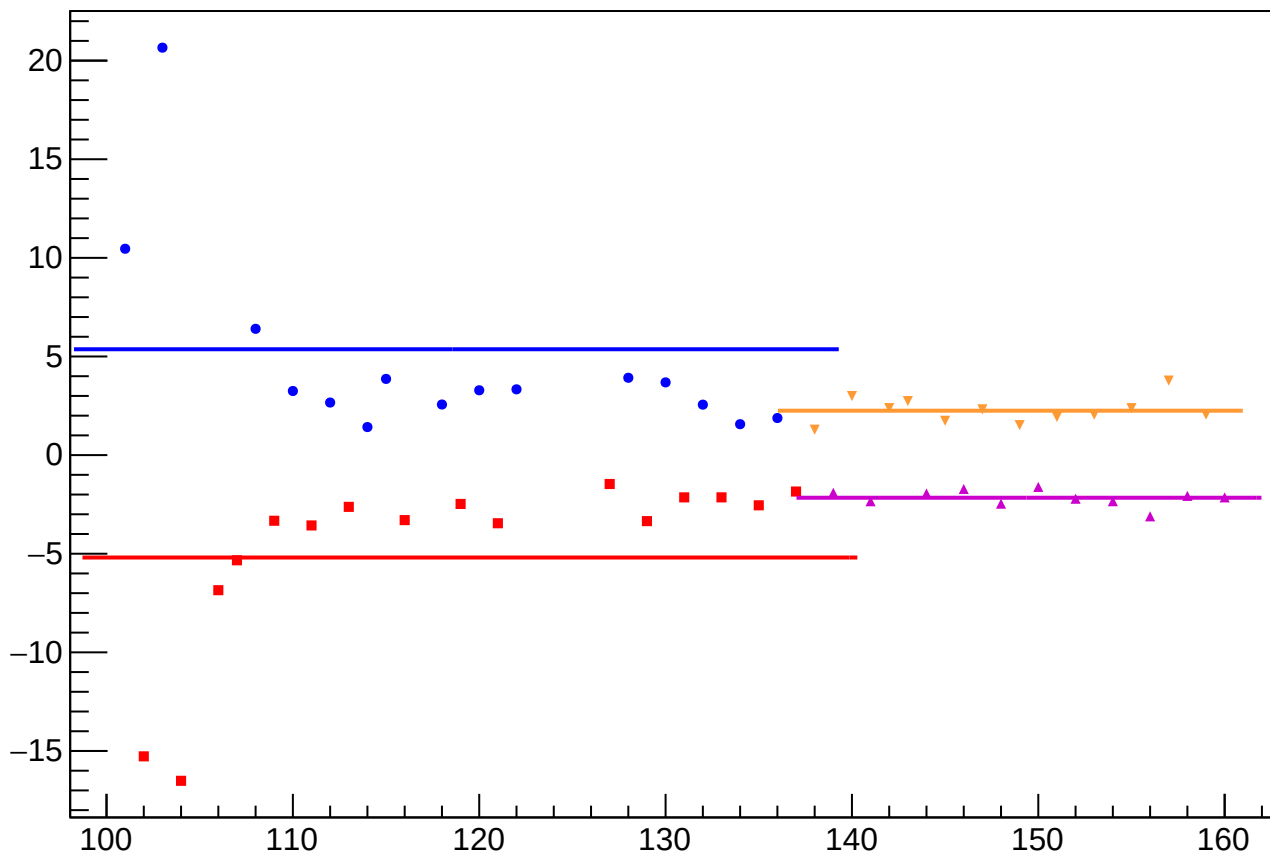
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_11X12X_coil6_mean vs Slug, Sign Corrected



Right In: 4.785 ± 0.000 $\chi^2/\text{NDF}: 3996556073154779711808159470321664.0/14$
 Left Out: 5.524 ± 0.000 $\chi^2/\text{NDF}: 1037921325796141419900309275148288.0/11$
 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 $\chi^2/\text{NDF}: 91288067214025$

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



Right In: 5.366 $\pm$ 0.000 χ^2 /NDF: 18780724722063497096153009301225472.0/14

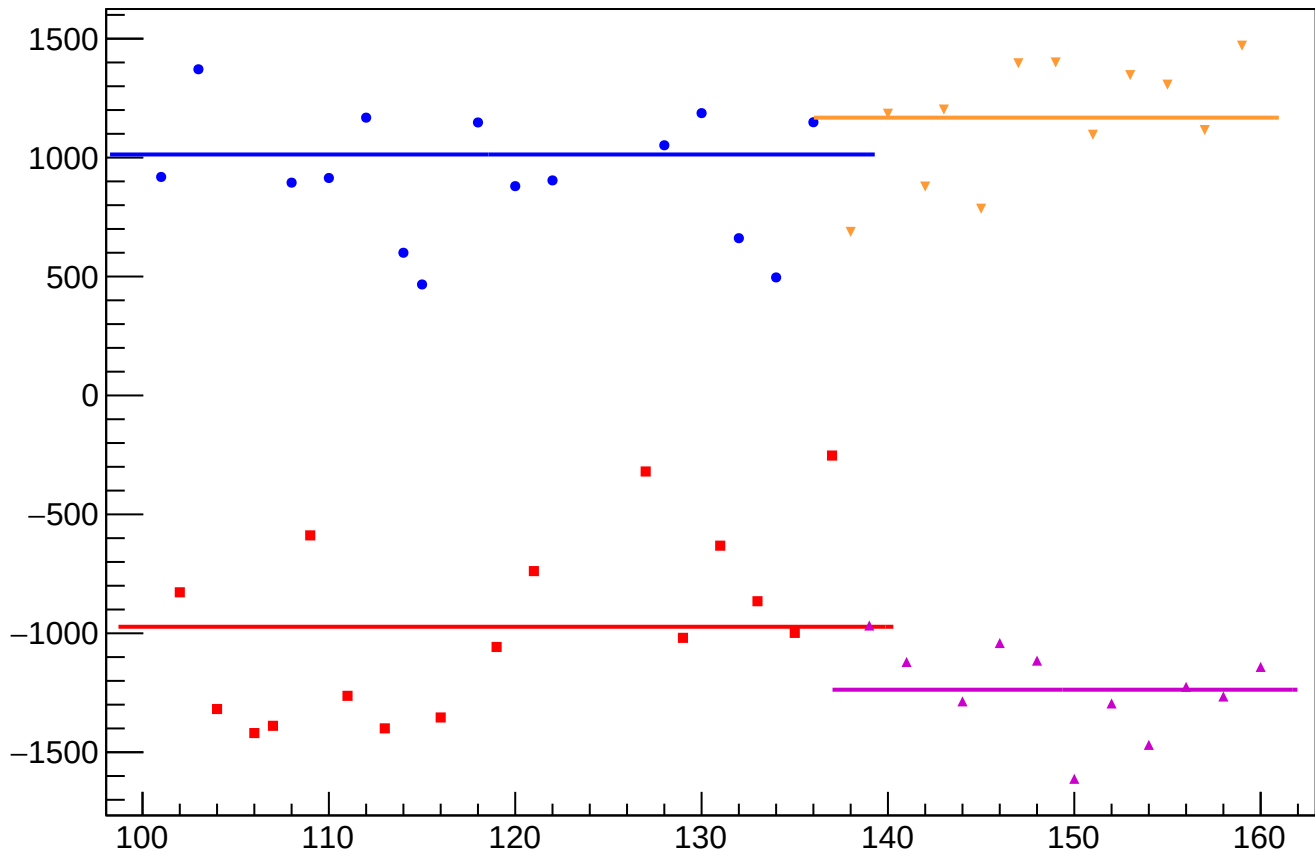
Left Out: 2.251 $\pm$ 0.000 χ^2 /NDF: 401214907261745165005566645370880.0/11

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: 80702506490782

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1167.974+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.161+/-0.000 χ^2/NDF : 2747267695574641

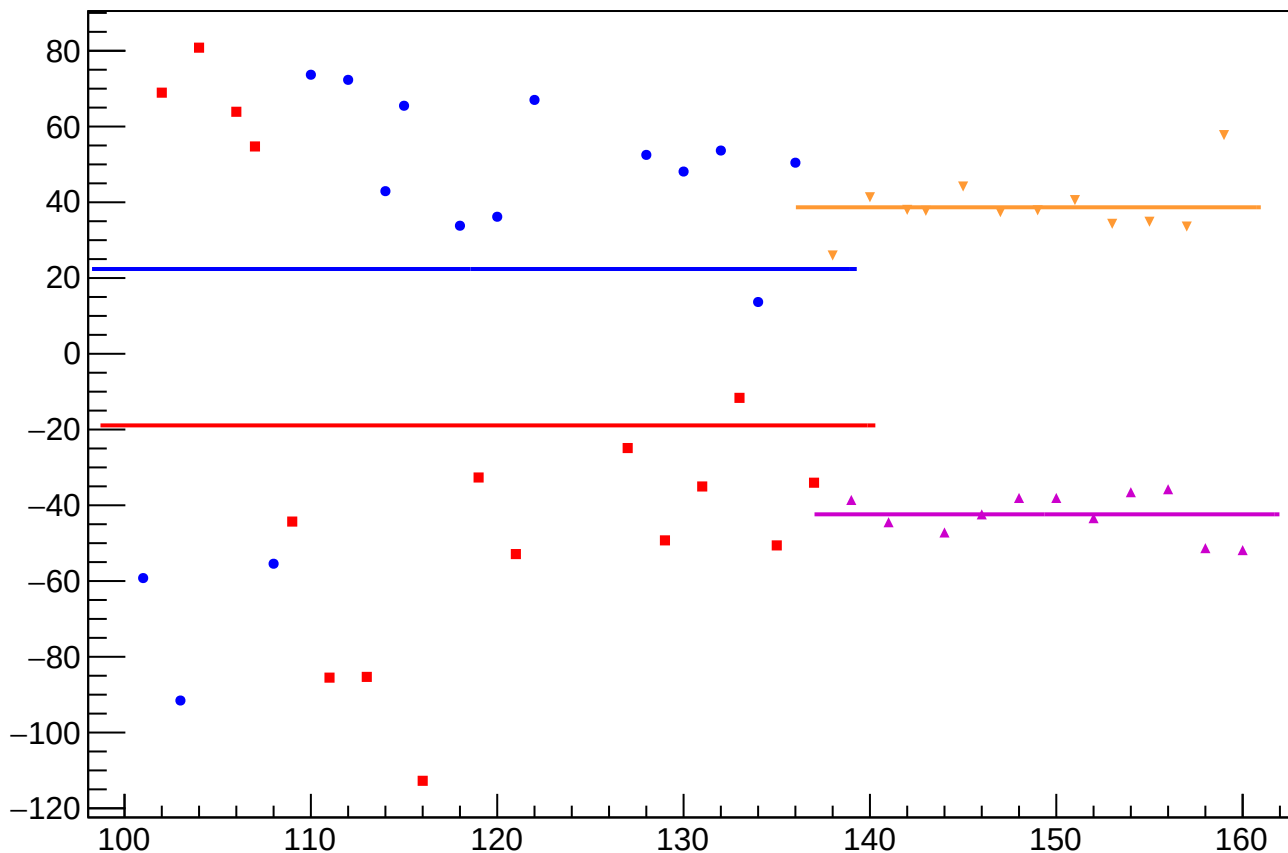
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

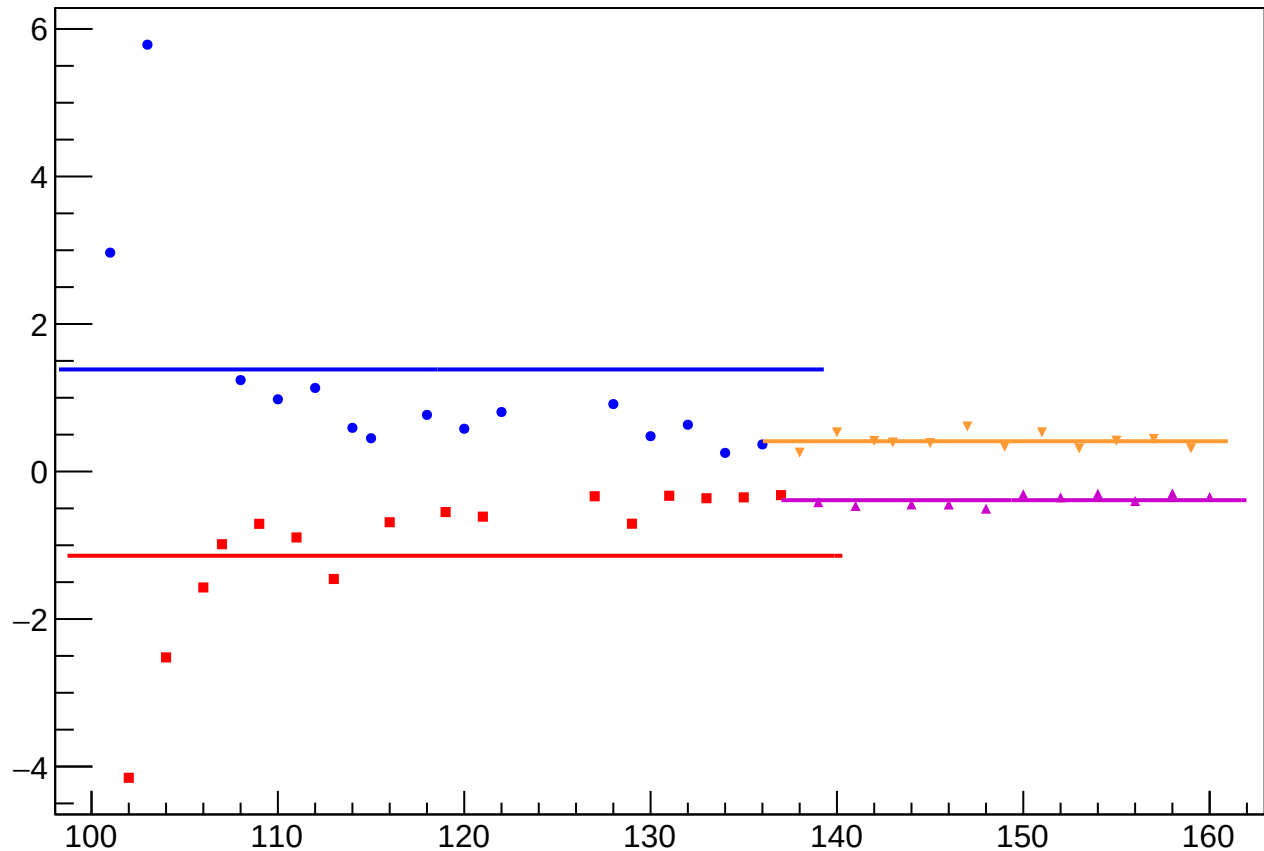
All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_4aY_coil6_mean vs Slug, Sign Corrected



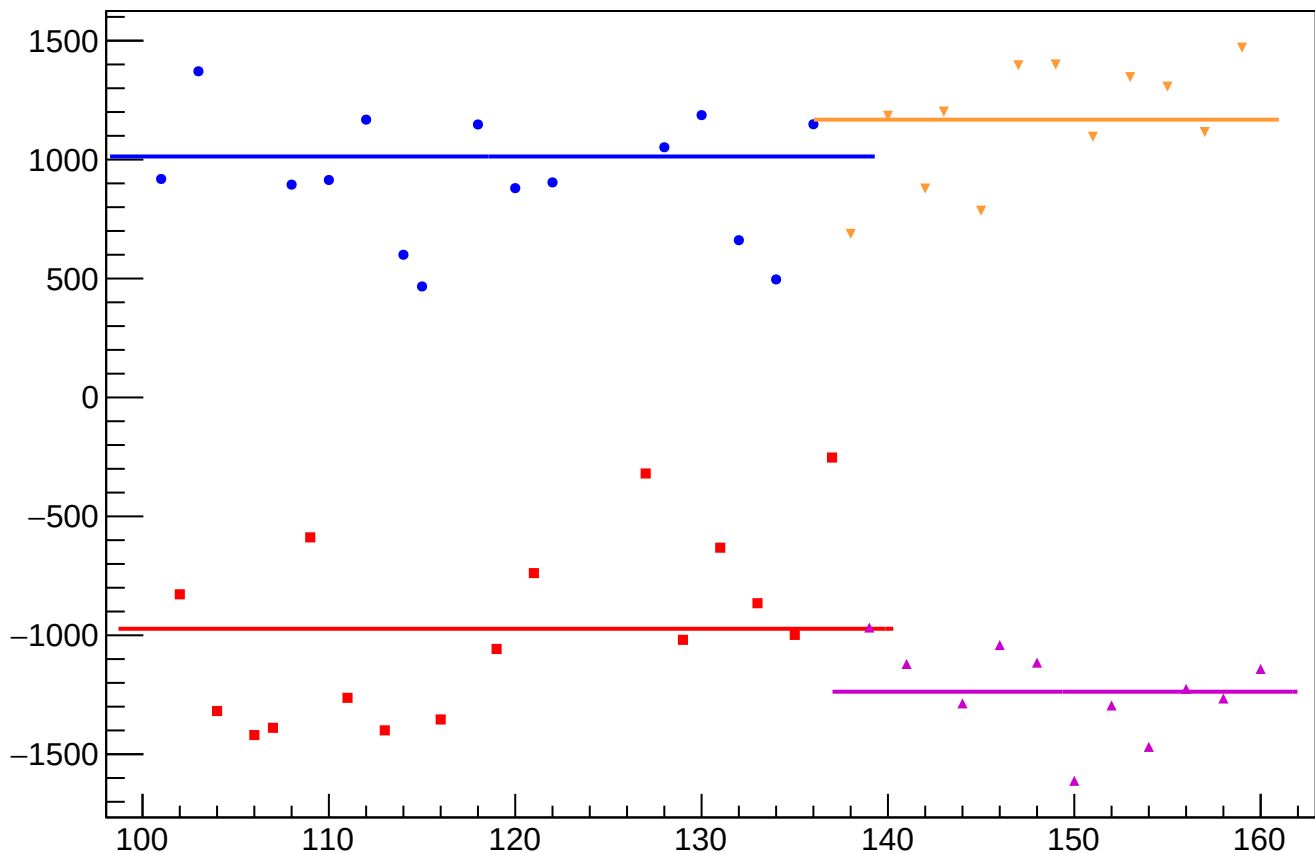
Left: -2.008 ± 0.000 $\chi^2/\text{NDF}: 31011512478899710$
 Right In: 22.385 ± 0.000 $\chi^2/\text{NDF}: 1922260860023592637794094183323009024.0/14$
 Left Out: 38.679 ± 0.000 $\chi^2/\text{NDF}: 50075878897811273484787289537118208.0/11$
 Right Out: -18.907 ± 0.000 $\chi^2/\text{NDF}: 2182221808408156293593993992757837824.0/15$
 Left In: -42.386 ± 0.000 $\chi^2/\text{NDF}: 26555660128562986553016927486214144.0/10$
 All: -0.564 ± 0.000 $\chi^2/\text{NDF}: 7775684601059$

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



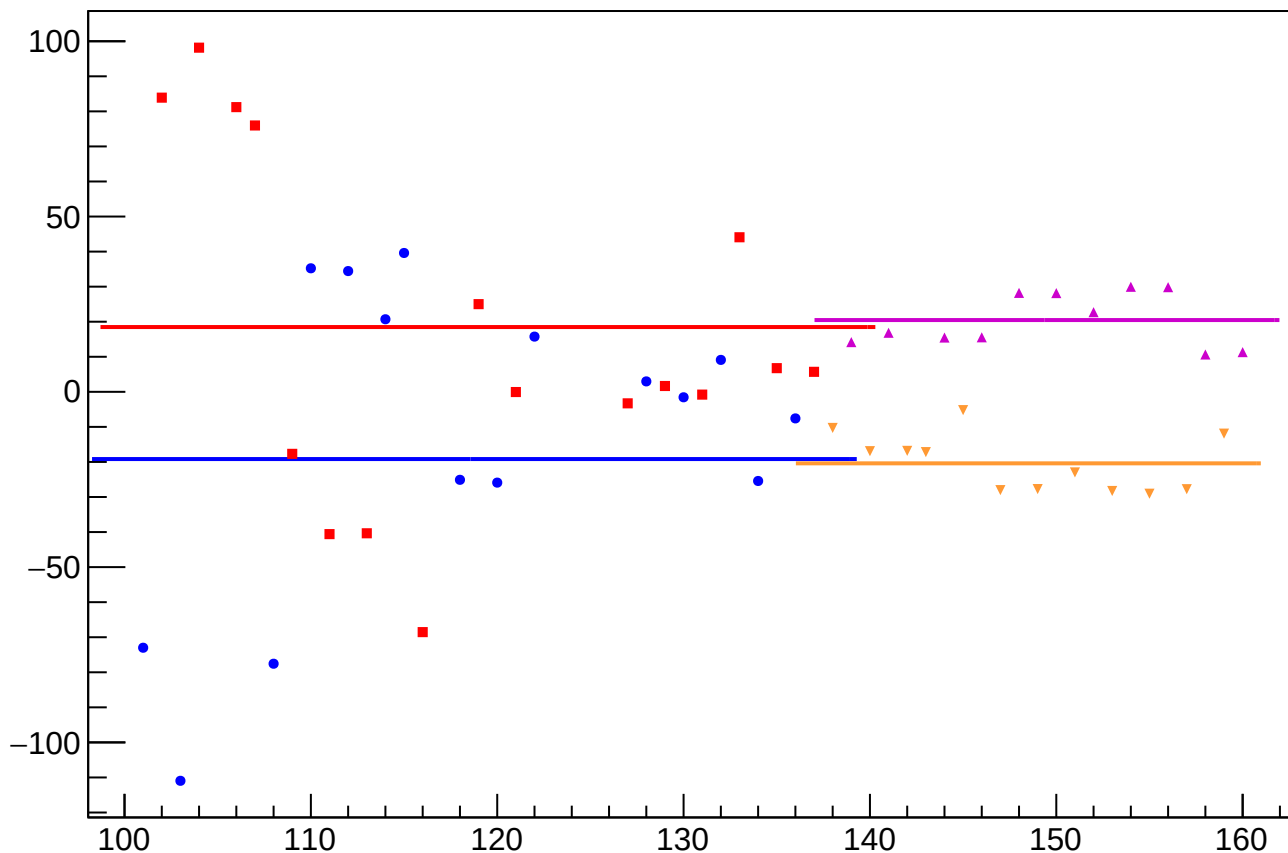
Right In: 1.384 $\pm$ 0.000 χ^2 /NDF: 1571159324102064120487940936695808.0/14
 Left Out: 0.411 $\pm$ 0.000 χ^2 /NDF: 9428610492078012186649224544256.0/11
 Right Out: -1.142 $\pm$ 0.000 χ^2 /NDF: 810680738285448955223066212827136.0/15
 Left In: -0.389 $\pm$ 0.000 χ^2 /NDF: 4468112130112640641394154668032.0/10
 All: 0.049 $\pm$ 0.000 χ^2 /NDF: 47951501447607

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -39.161+/-0.000	χ^2/NDF : 2747267695574641
Left Out: 1167.974+/-0.000	χ^2/NDF : 54610138783870430946405205692756525056.0/11	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: 266.665+/-0.000	χ^2/NDF : 1902566719354889
		All: -20.018+/-0.000	χ^2/NDF : 415638151623

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175+/-0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

Left Out: -20.399+/-0.000

χ^2/NDF : 59795874846132016074625786396540928.0/11

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 : 877117700035024784

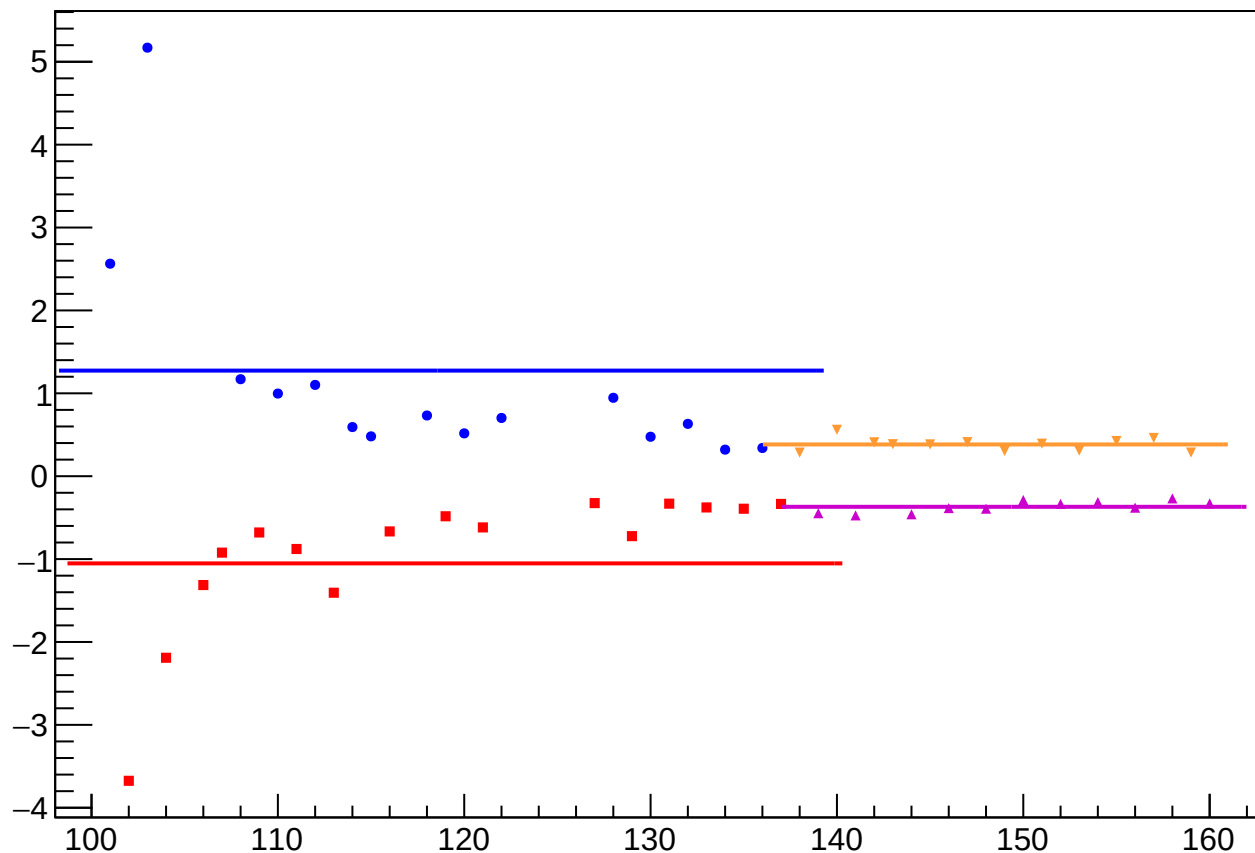
Right: -0.091+/-0.000 χ^2/NDF : 3202145485356183

In: 4.115+/-0.000 χ^2/NDF : 1894138593068178389

Out: -4.028+/-0.000 χ^2/NDF : 21328298353726143

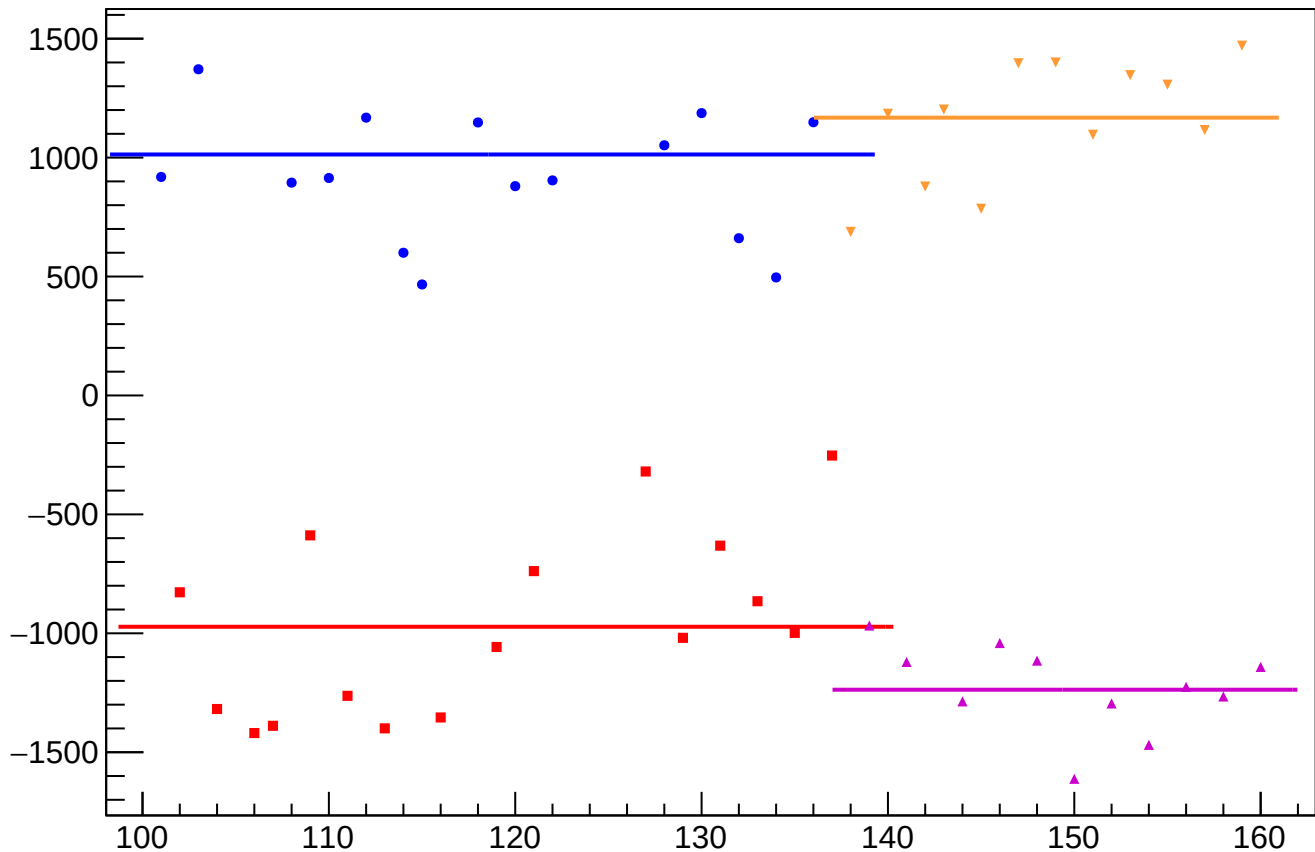
All: 0.029+/-0.000 χ^2/NDF : 40792955785937

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



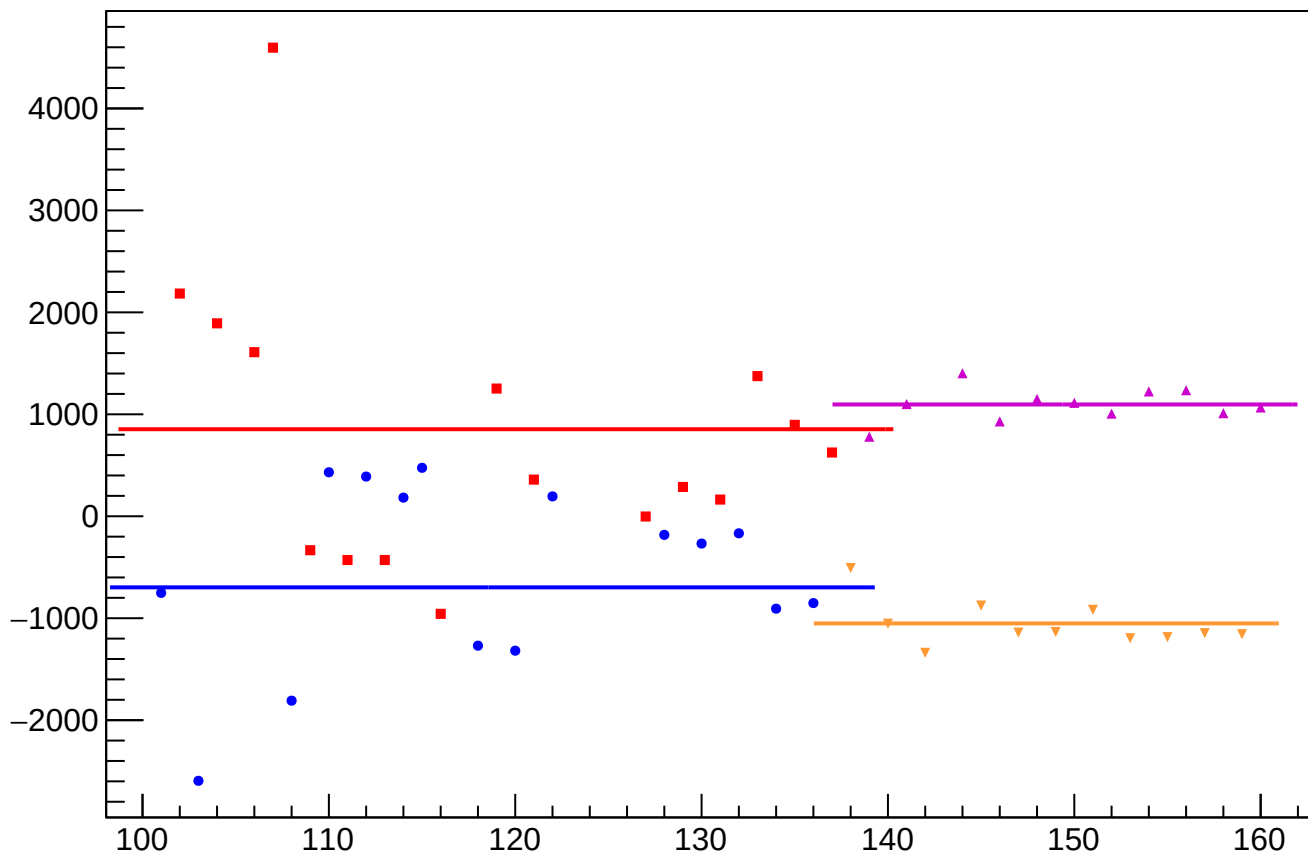
Right In: 1.274+/-0.000 χ^2/NDF : 1212041476631073599154045304438784.0/14
 Left Out: 0.383+/-0.000 χ^2/NDF : 5804905550420528910426527760384.0/11
 Right Out: -1.052+/-0.000 χ^2/NDF : 607316121057753919194559126962176.0/15
 Left In: -0.369+/-0.000 χ^2/NDF : 4166350638848138676707816112128.0/10
 All: 0.043+/-0.000 χ^2/NDF : 38754292019380

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1050.953+/-0.000

χ^2/NDF : 36829070766461393403765229942747430912.0/10

Right Out: 853.734+/-0.000

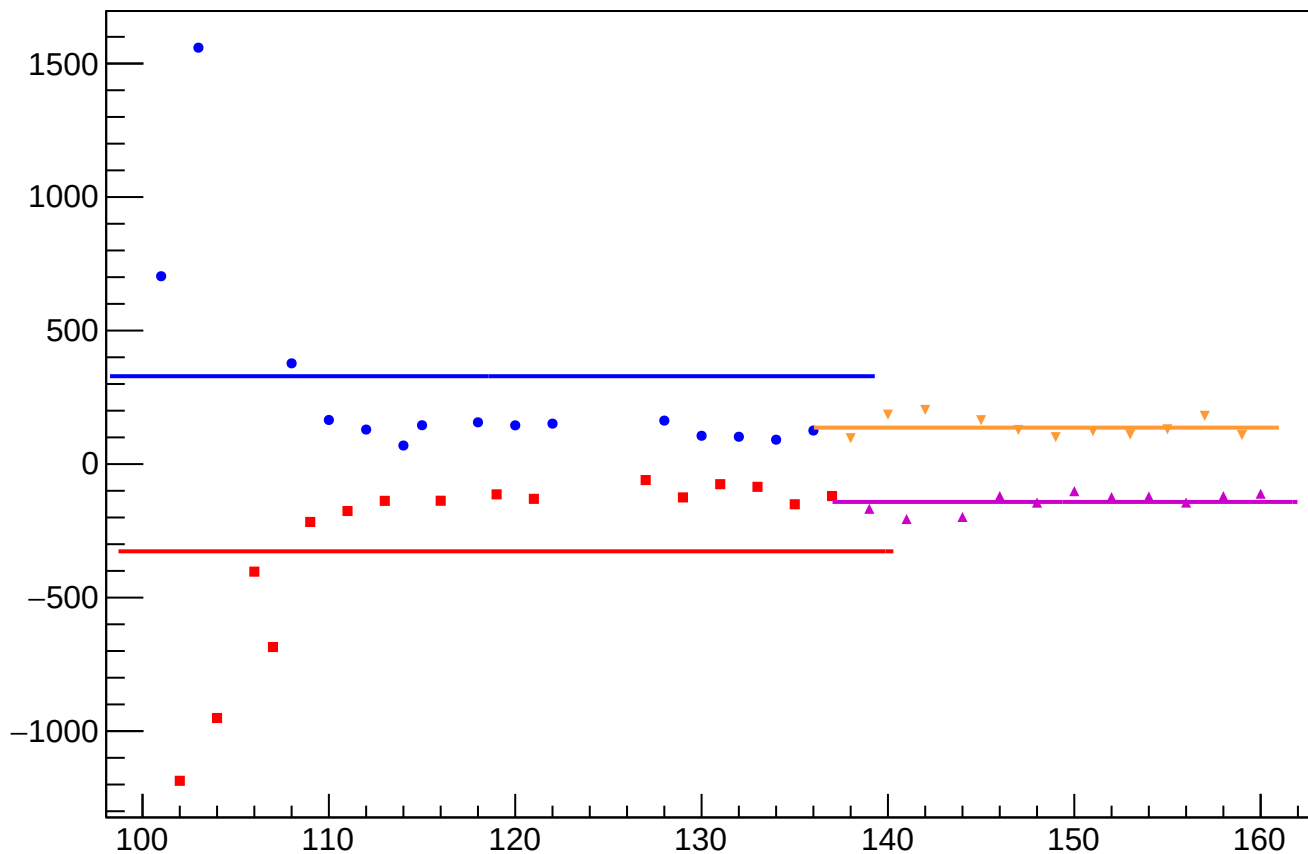
χ^2/NDF : 1078379020126412317155932275156201766912.0/15

Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

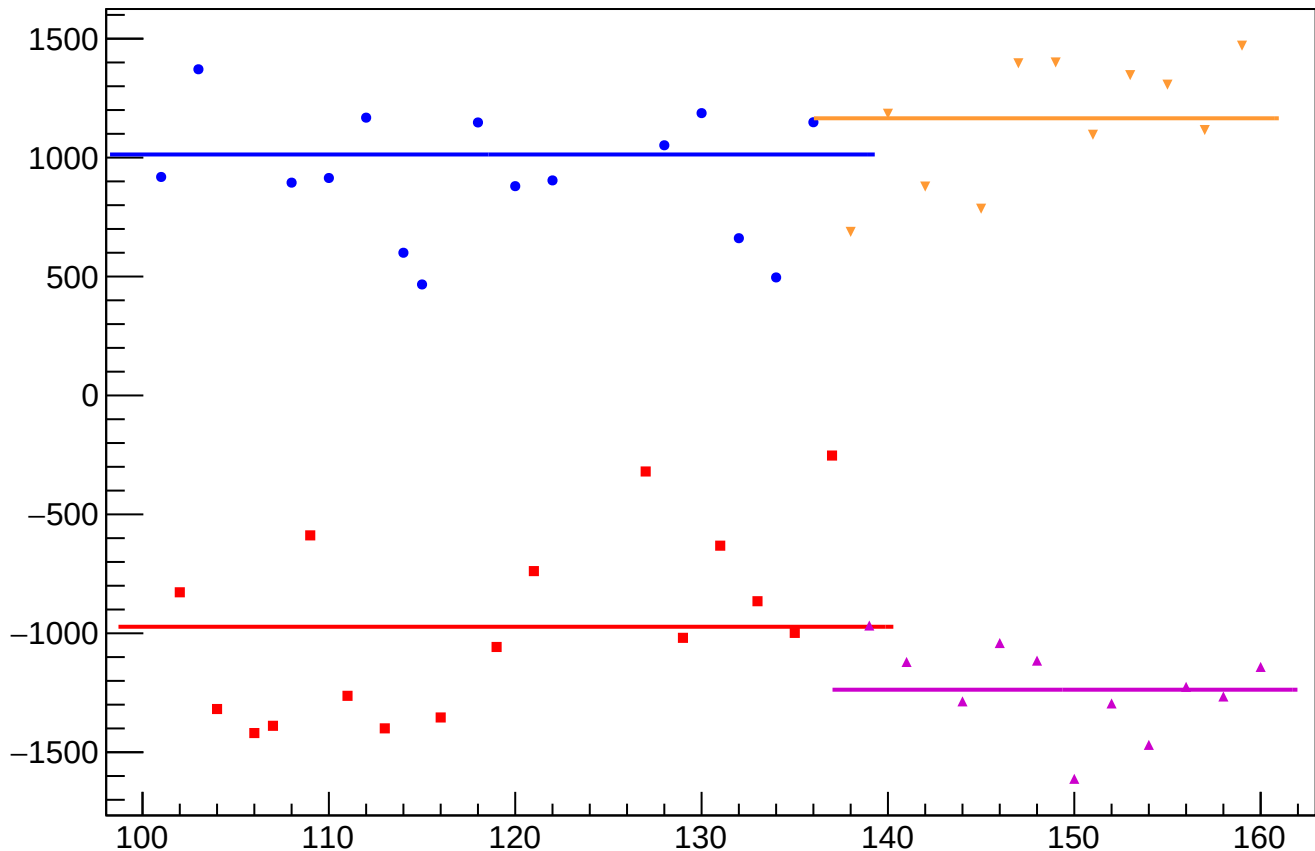
All: 76.624+/-0.000 χ^2/NDF : 4462374559981

dit_usl_coil6_err_mean vs Slug, Sign Corrected



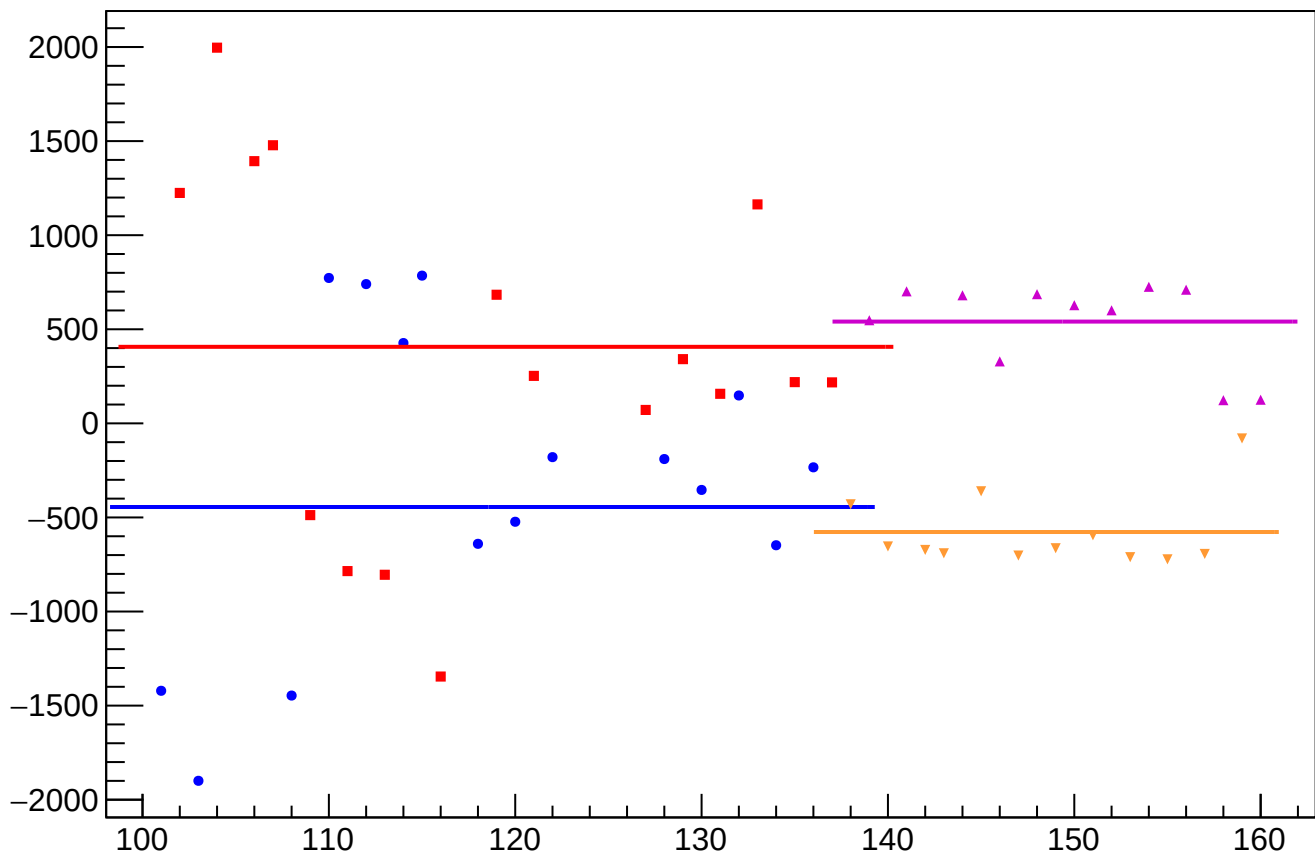
Right In: 329.108 ± 0.000 $\chi^2/\text{NDF}: 116863820700538623524207945698672377856.0/14$
 Left Out: 136.529 ± 0.000 $\chi^2/\text{NDF}: 986372818283314141100082094359445504.0/10$
 Right Out: -326.695 ± 0.000 $\chi^2/\text{NDF}: 87569123354318020688611028415151079424.0/15$
 Left In: -141.688 ± 0.000 $\chi^2/\text{NDF}: 1044882408057849194081424130600599552.0/10$
 All: -6.209 ± 0.000 $\chi^2/\text{NDF}: 3822219588466$

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1165.293+/-0.000 χ^2/NDF : 54526526454727326957619493827495591936.0/10
 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: -46.515+/-0.000 χ^2/NDF : 405416159509

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left Out: -577.377+/-0.000

χ^2/NDF : 33181983455831153585838816290043592704.0/11

Right Out: 406.729+/-0.000

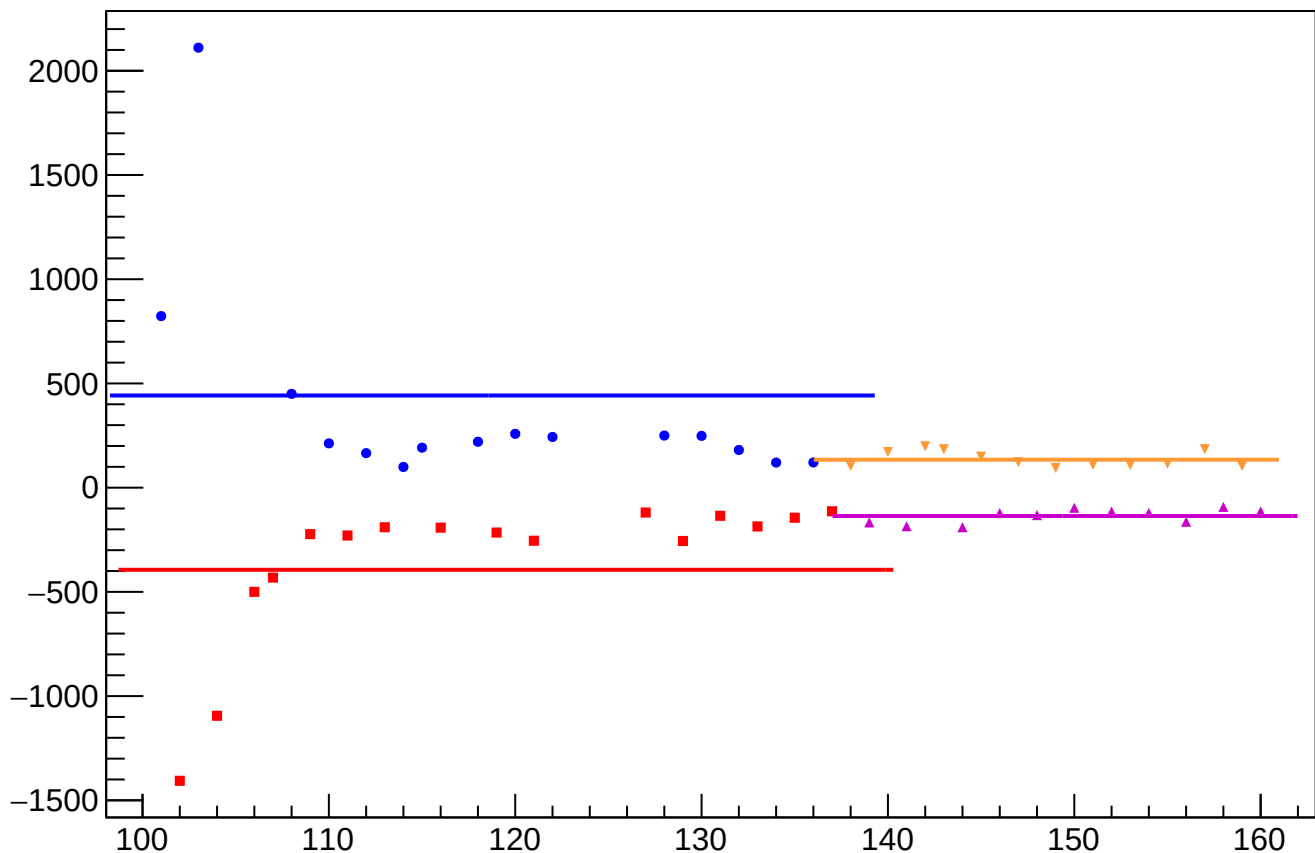
χ^2/NDF : 529122421866774810012941782239129108480.0/15

Left In: 540.842+/-0.000

χ^2/NDF : 42670193317497817911030367466366697472.0/10

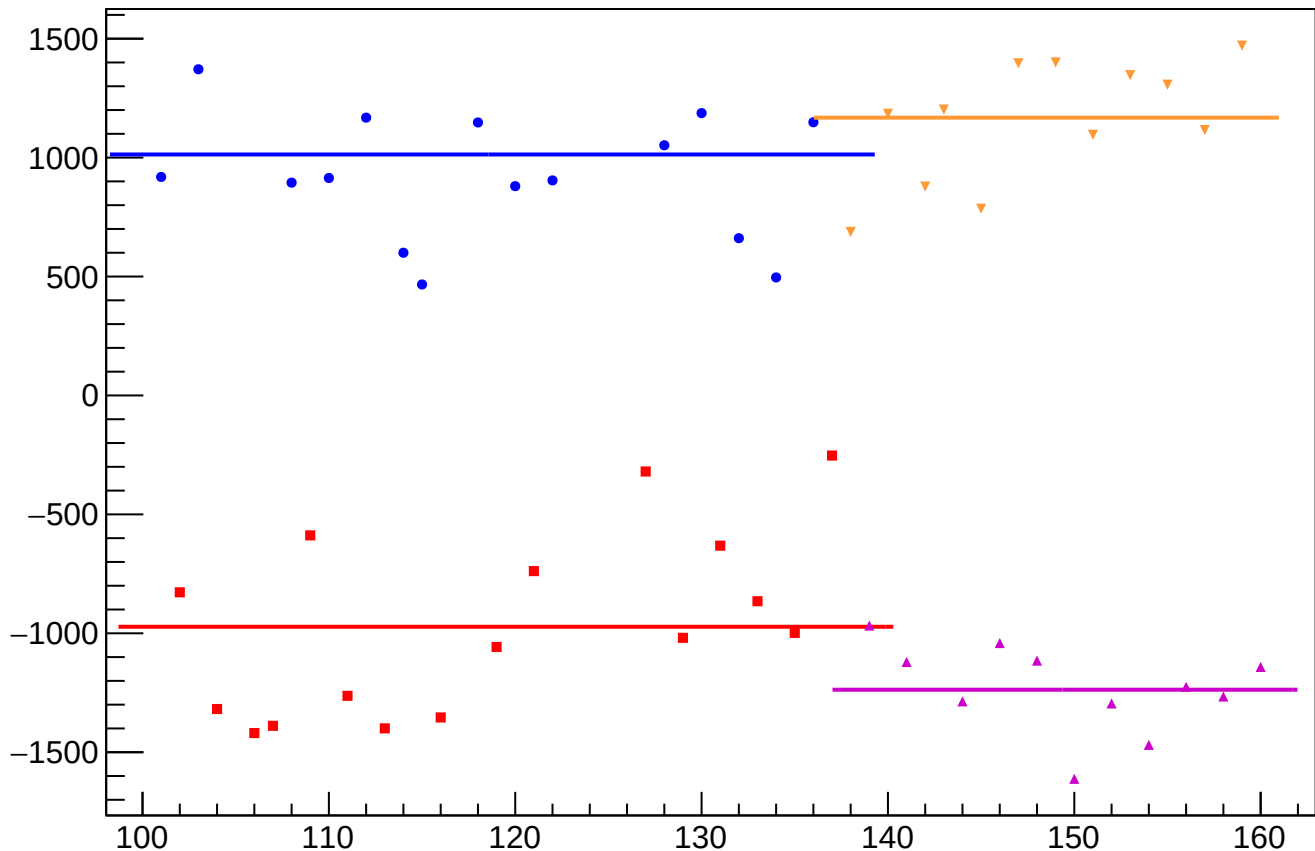
All: -14.861+/-0.000 χ^2/NDF : 181531095518

dit_usr_coil6_err_mean vs Slug, Sign Corrected



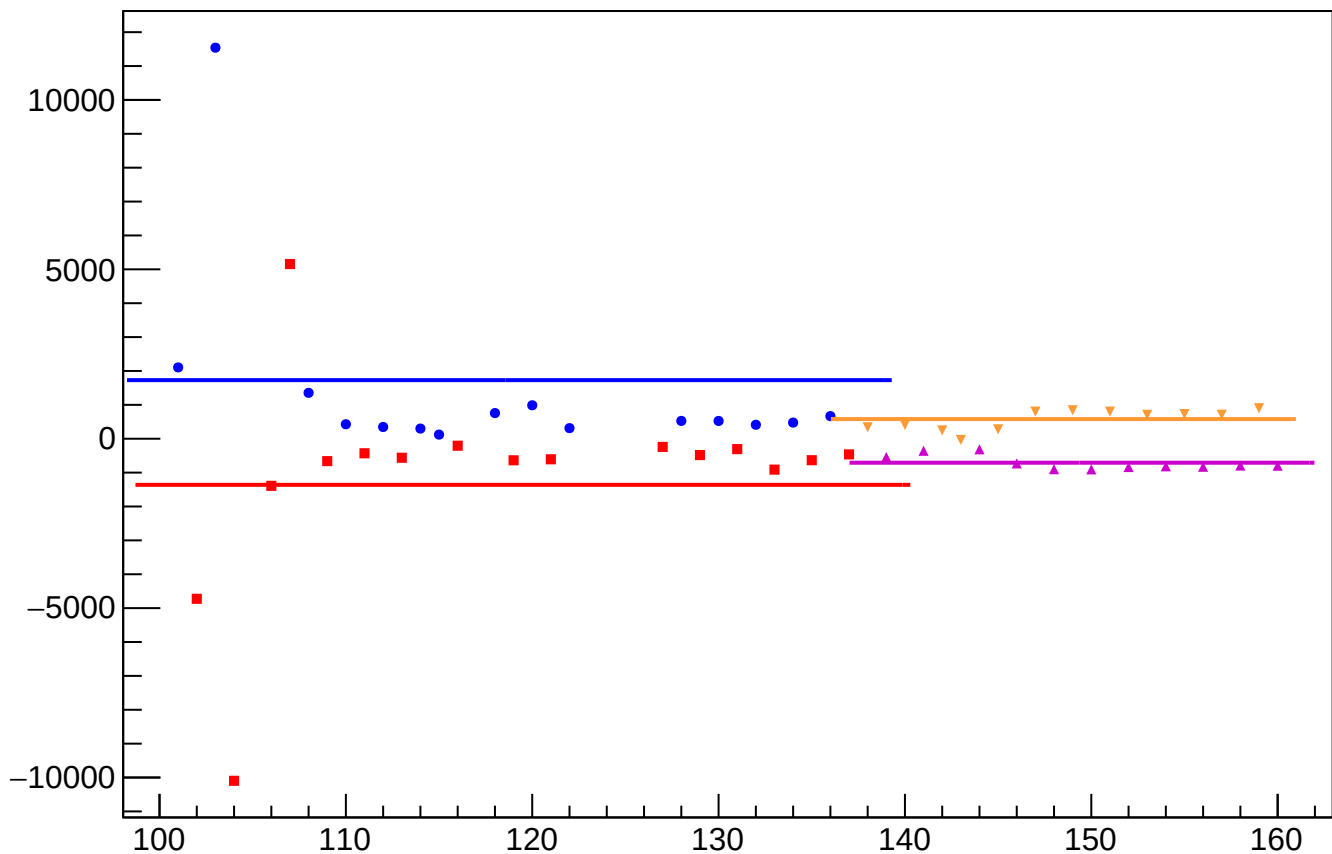
Right In: 442.162+/-0.000 χ^2/NDF : 204015999343694089140945697316947361792.0/14
 Left Out: 134.122+/-0.000 χ^2/NDF : 1108150296028178587463342476455051264.0/11
 Right Out: -394.033+/-0.000 χ^2/NDF : 105882611624182009489804426207740035072.0/15
 Left In: -136.040+/-0.000 χ^2/NDF : 1011093061479650527261127450495549440.0/10
 All: 6.789+/-0.000 χ^2/NDF : 57591258624057

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



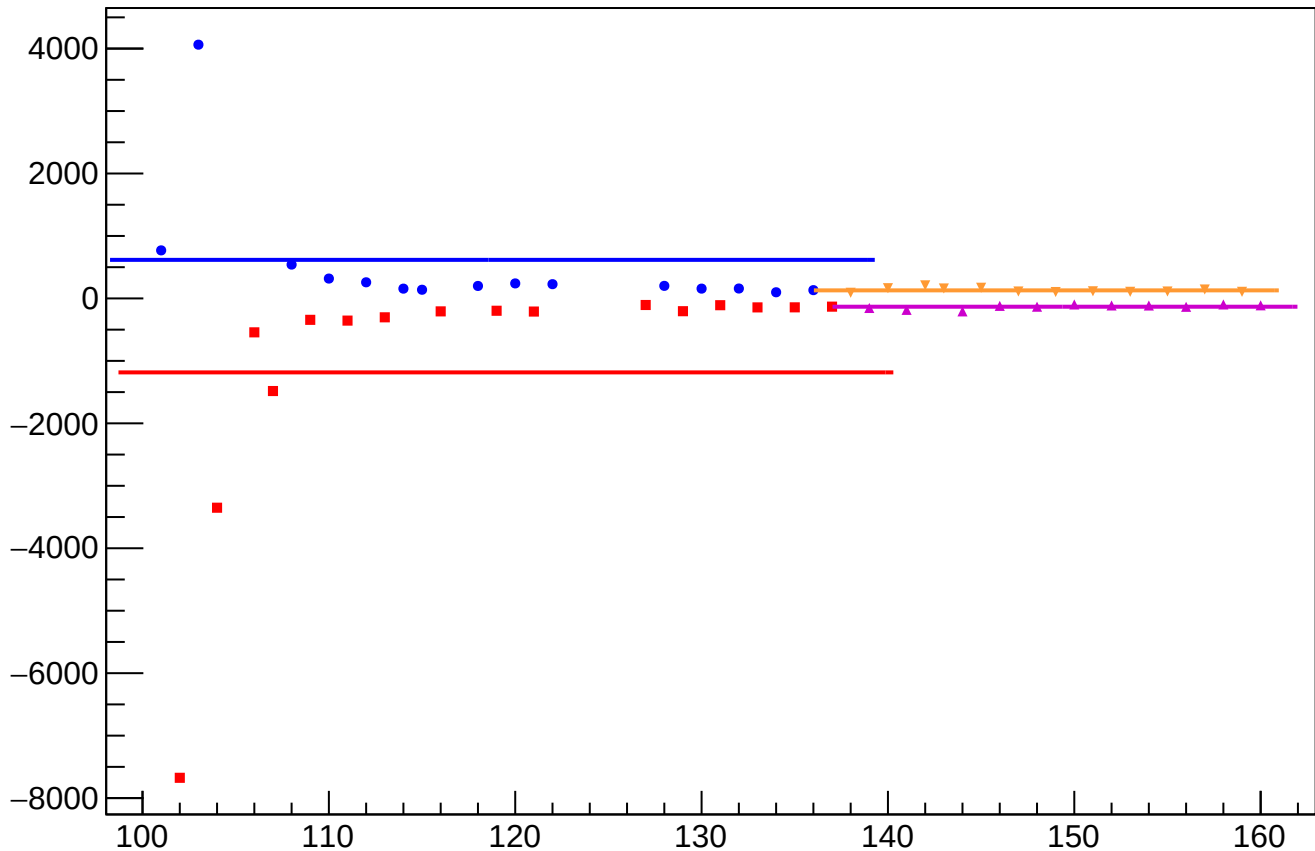
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atl1_coil6_mean vs Slug, Sign Corrected



Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 580.248+/-0.000 χ^2/NDF : 70857978434076624009429979212728500224.0/11
 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: 29.268+/-0.000 χ^2/NDF : 1689828119221

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



Right In: 617.343+/-0.000

χ^2/NDF : 792366012985954198345317750268755968000.0/14

Left Out: 128.916+/-0.000

χ^2/NDF : 946446281889996410736335590619348992.0/11

Right Out: -1184.322+/-0.000

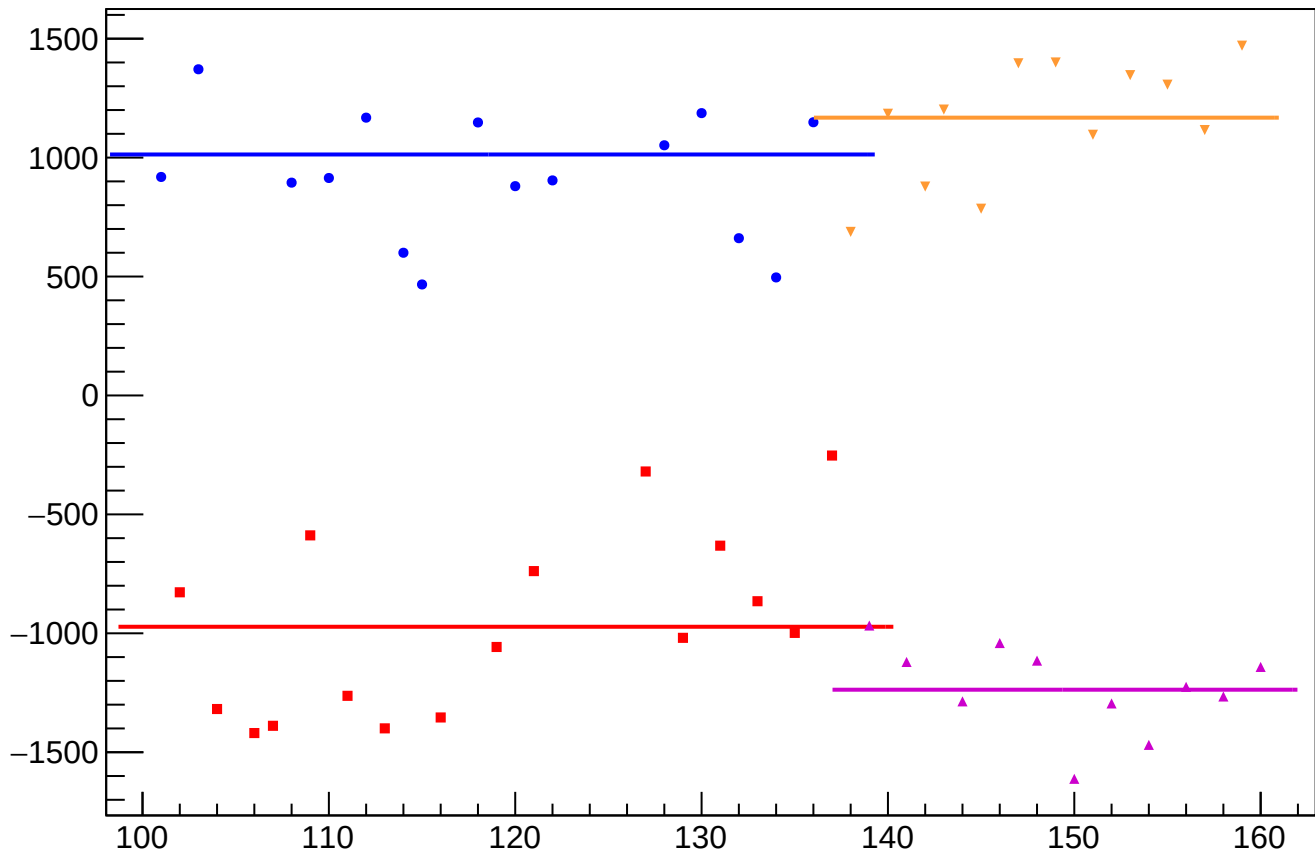
χ^2/NDF : 3167423043121242666563535820496559931392.0/15

Left In: -132.869+/-0.000

χ^2/NDF : 1091839085664014112201463155711279104.0/10

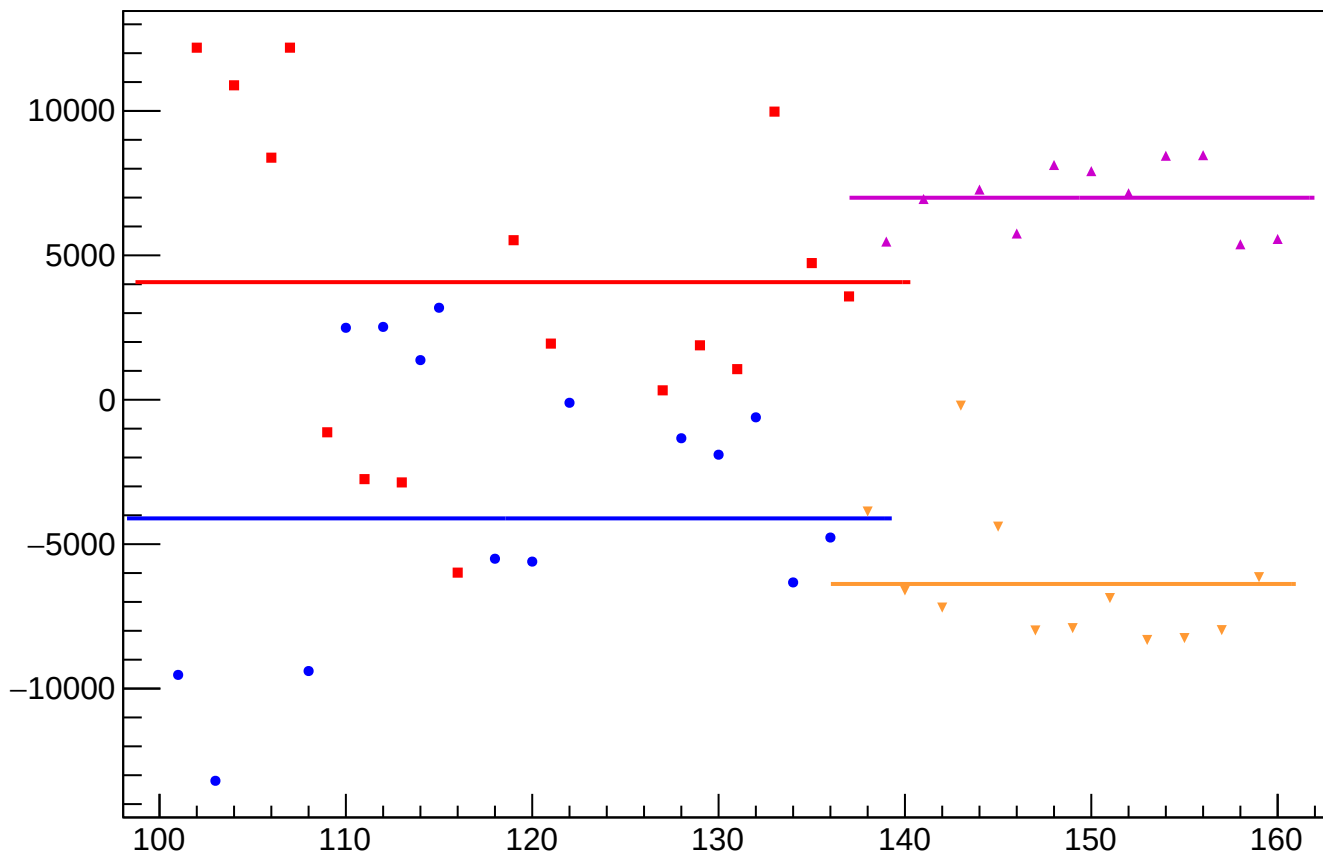
All: -124.752+/-0.000 χ^2/NDF : 51271351902

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6377.972+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4622591154954588275207693526333594271744.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 333.844+/-0.000 χ^2/NDF : 8816027635045107

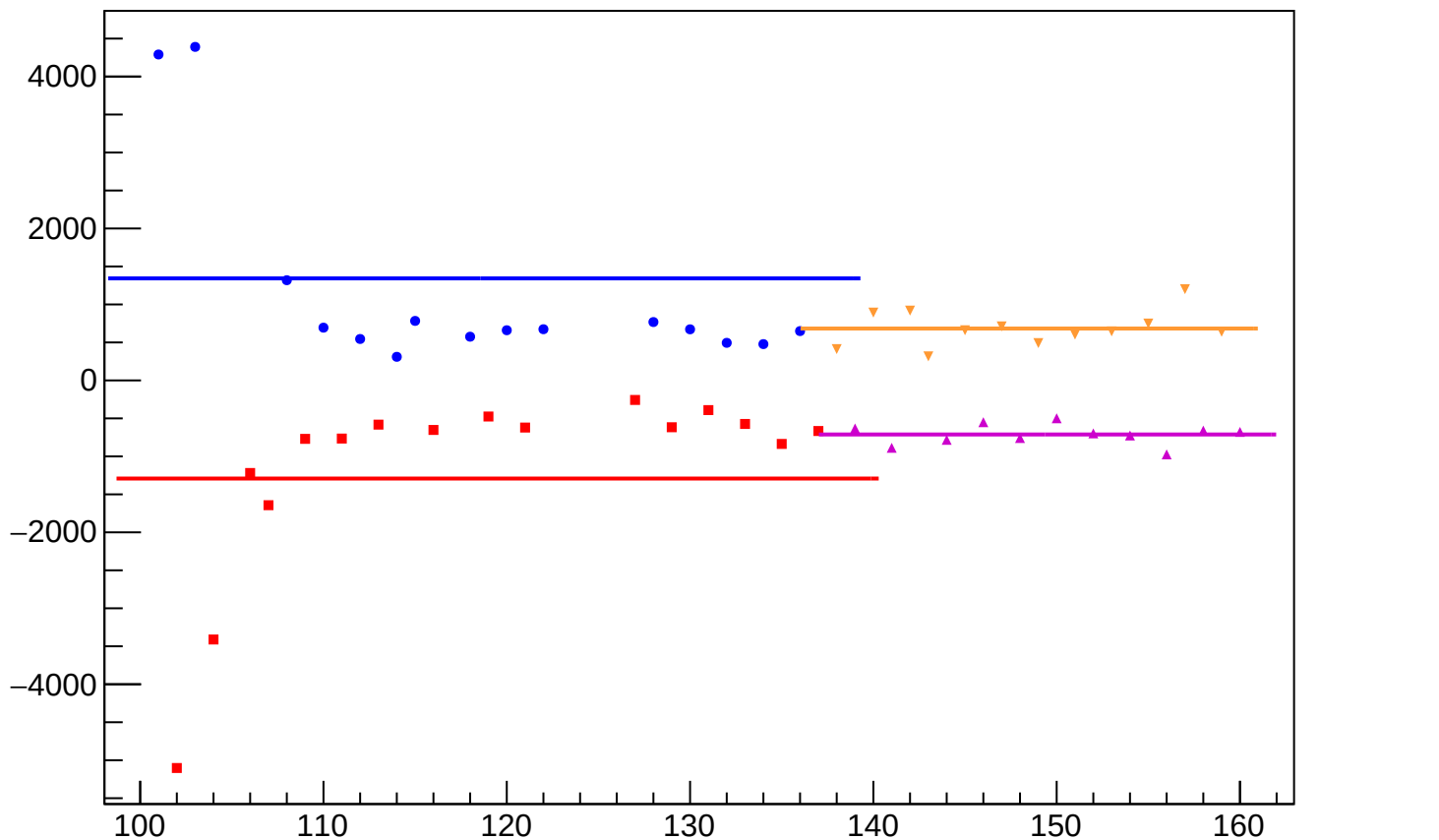
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1977.586+/-0.000 χ^2/NDF : 67157489974478

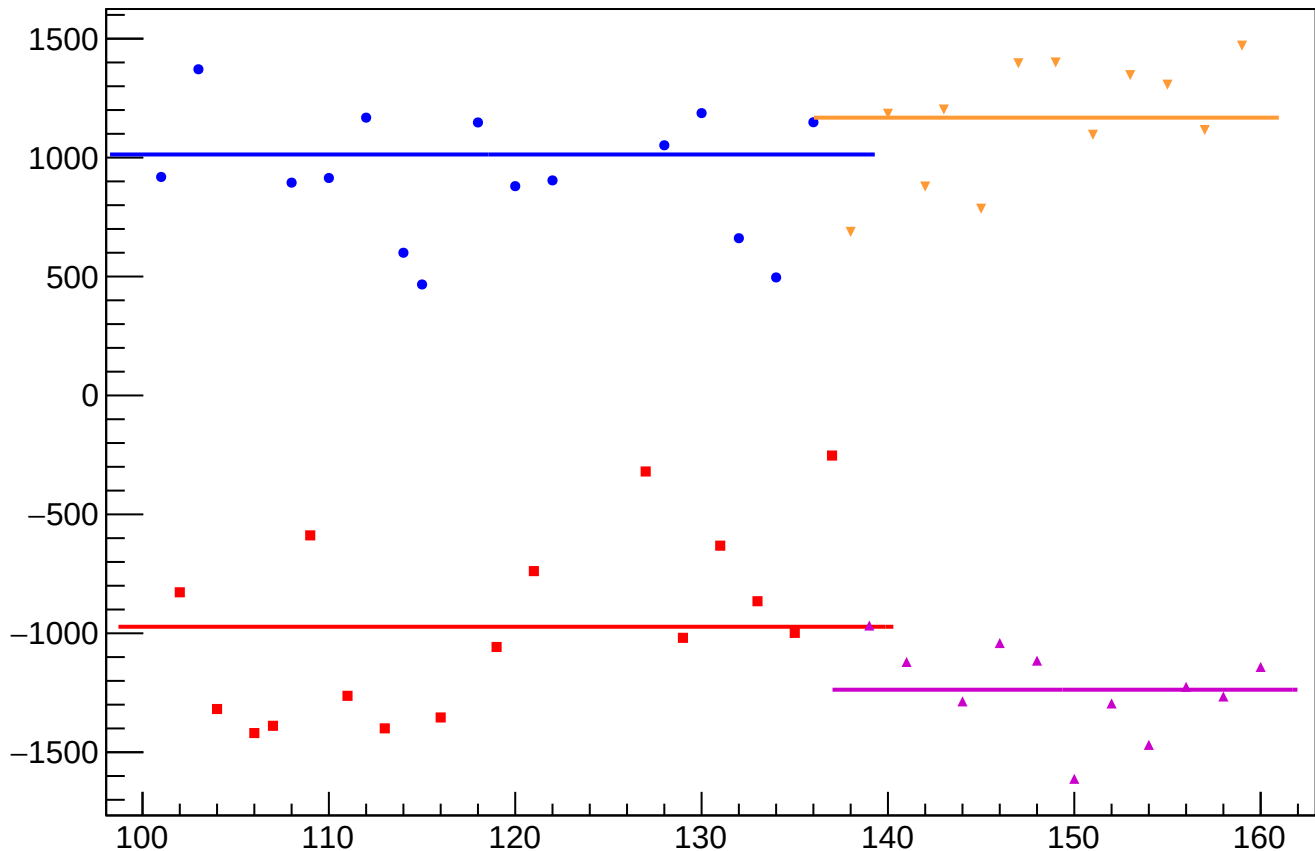
All: 210.636+/-0.000 χ^2/NDF : 145129632004

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



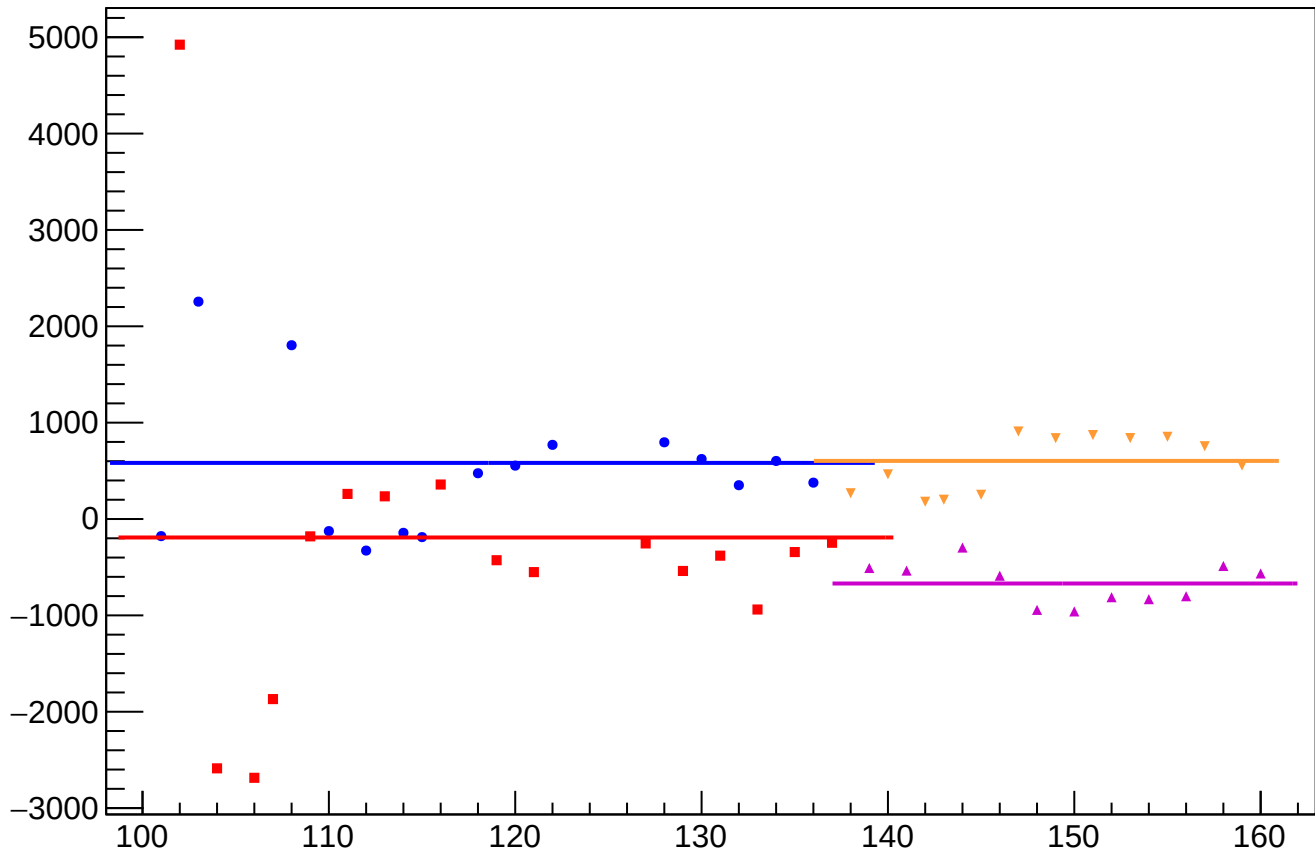
Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 683.065+/-0.000 χ^2/NDF : 46379995695844949663521519572812300288.0/11
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726+/-0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.676+/-0.000 χ^2/NDF : 5883243958670

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 603.094+/-0.000

χ^2/NDF : 68810038419463001004878574988679970816.0/11

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: -35.449+/-0.000 χ^2/NDF : 8532502457359131

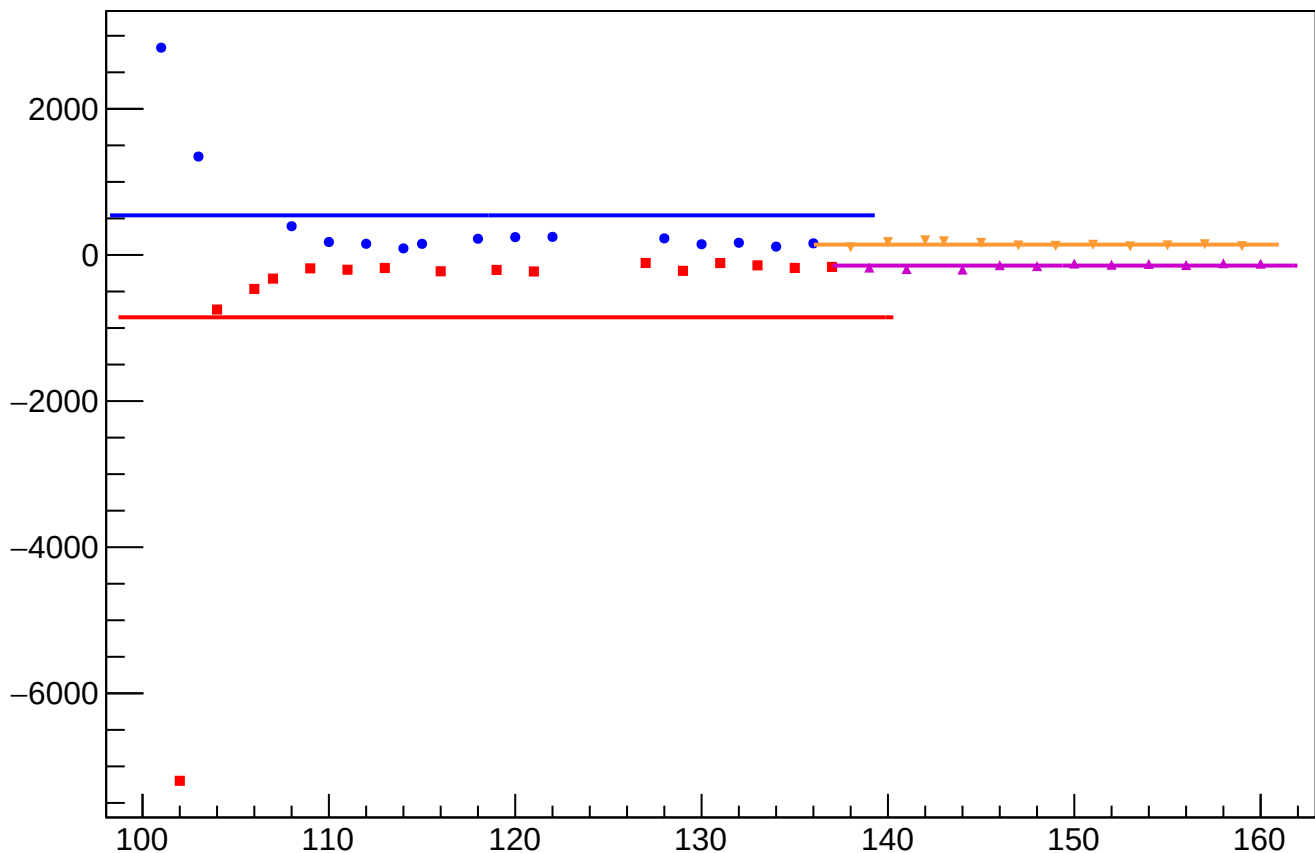
Right: 190.108+/-0.000 χ^2/NDF : 270460615635385

In: -152.784+/-0.000 χ^2/NDF : 9754243982311555

Out: 268.465+/-0.000 χ^2/NDF : 2481424308915495

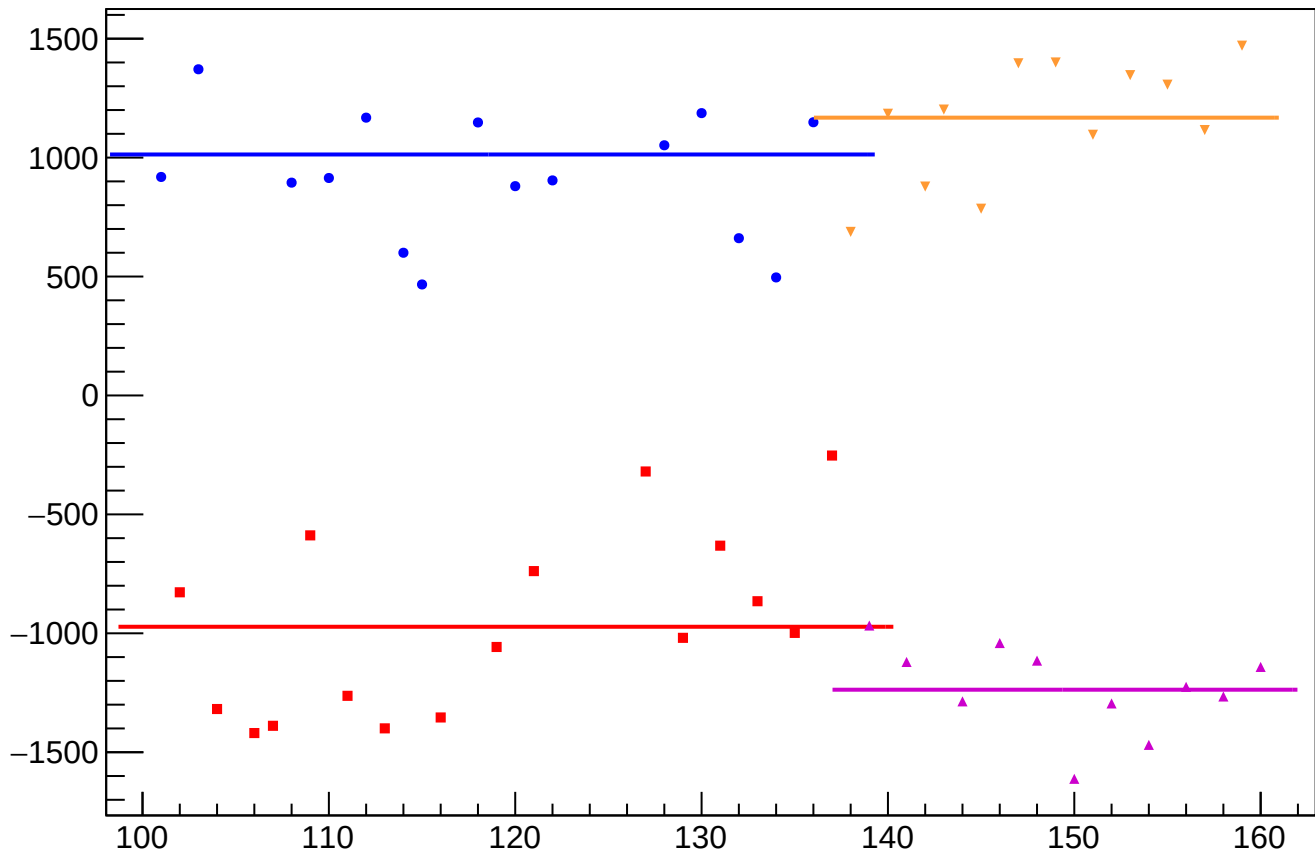
All: 58.575+/-0.000 χ^2/NDF : 3596899884721

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



Left: -2.363 +/- 0.000 χ^2/NDF : 39465135103826480
 Right In: 542.328 +/- 0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Right: -164.982 +/- 0.000 χ^2/NDF : 36290648240362
 Left Out: 141.867 +/- 0.000 χ^2/NDF : 675701485078594006846282081211777024.0/11
 In: 138.288 +/- 0.000 χ^2/NDF : 5955245908966435
 Right Out: -853.203 +/- 0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Out: -277.143 +/- 0.000 χ^2/NDF : 295709043506187
 Left In: -145.502 +/- 0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.151 +/- 0.000 χ^2/NDF : 368882425713

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1167.974+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.161+/-0.000 χ^2/NDF : 2747267695574641

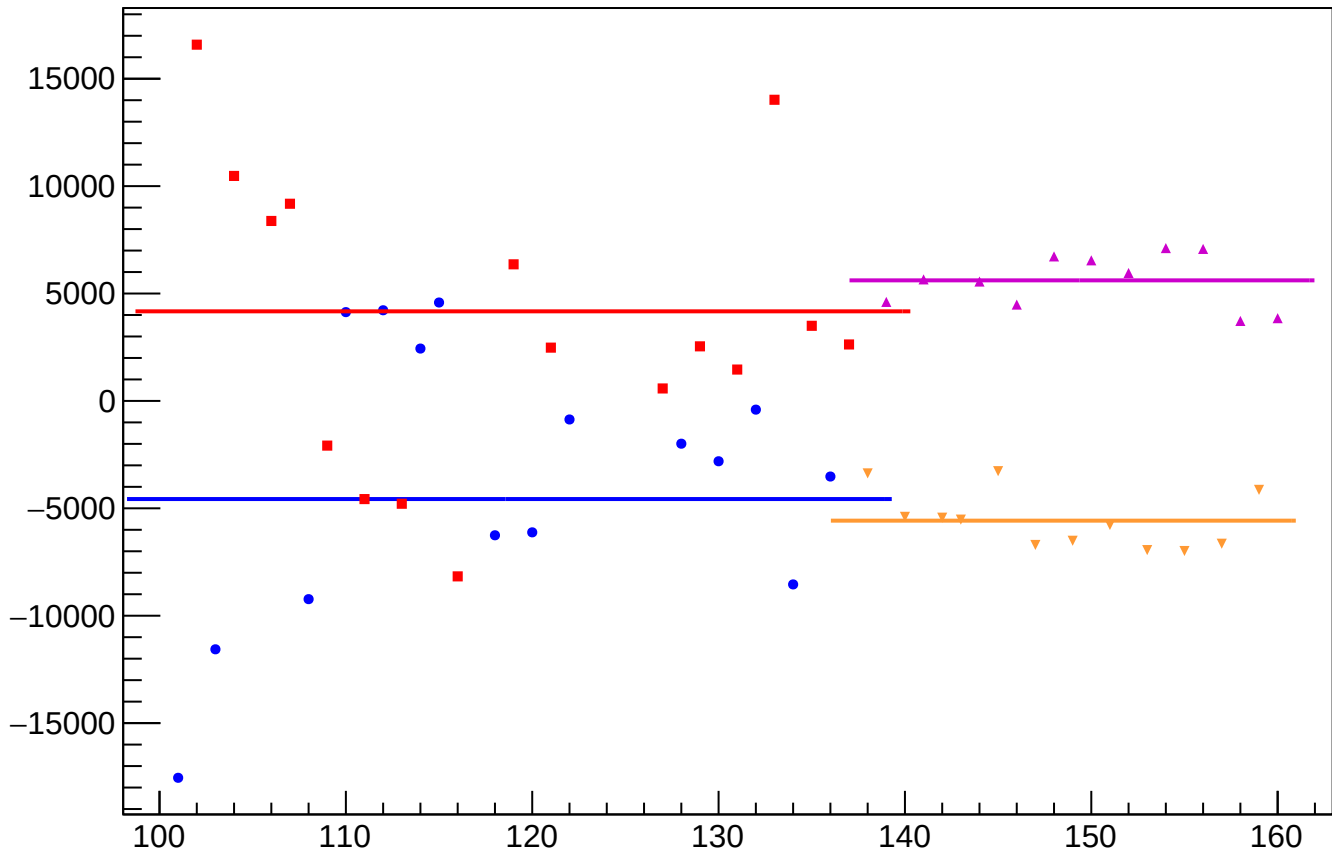
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297+/-0.000

Left Out: -5574.062+/-0.000

Right Out: 4170.773+/-0.000

Left In: 5613.024+/-0.000

χ^2/NDF : 24195052148165719540713110921977756909568.0/14

χ^2/NDF : 1562689011038892047530316656159376801792.0/11

χ^2/NDF : 30967248832187912041113909559481103024128.0/15

χ^2/NDF : 1272210659936261957248133173503170969600.0/10

Left: 40.749+/-0.000 χ^2/NDF : 60434762457962986

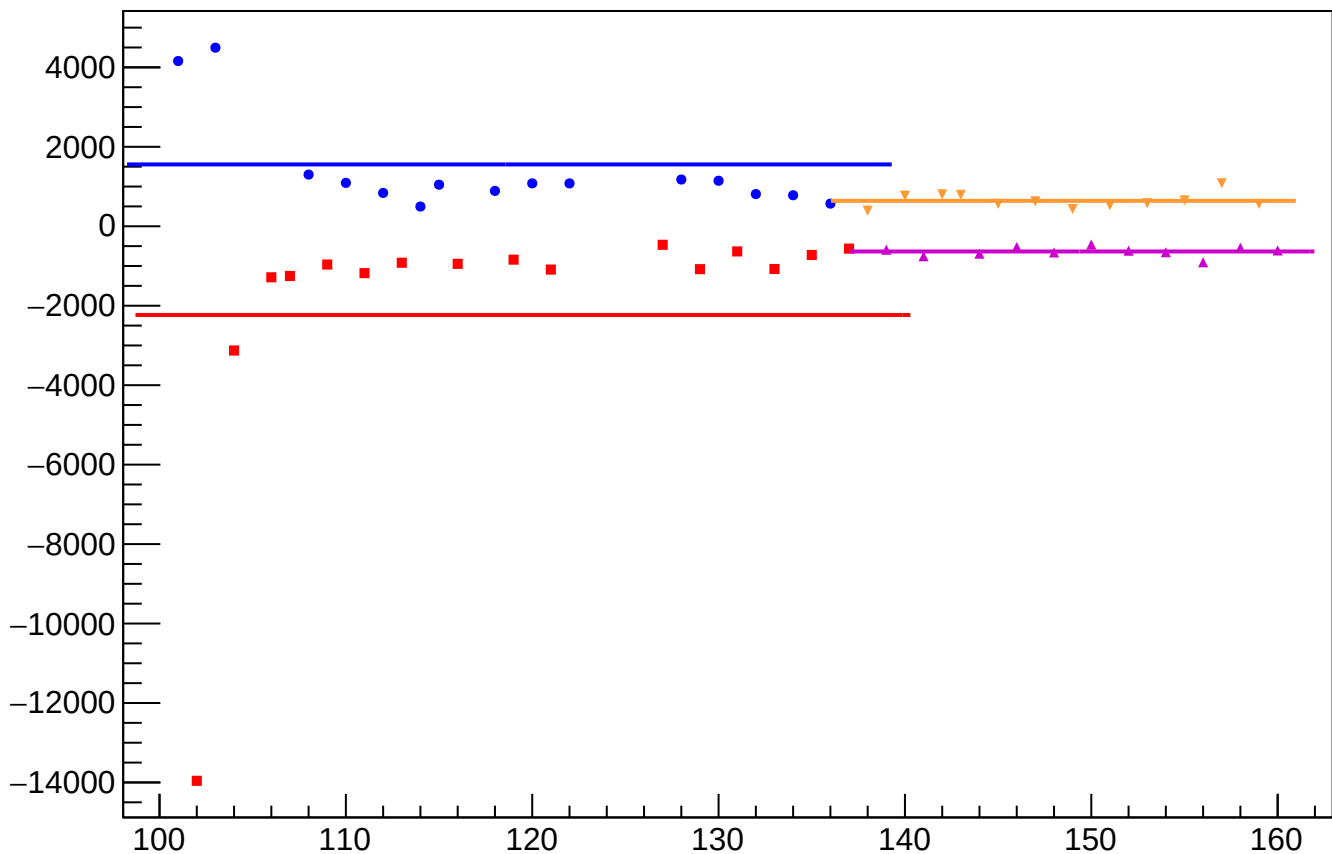
Right: -138.996+/-0.000 χ^2/NDF : 80283768430562

In: 1412.339+/-0.000 χ^2/NDF : 6498537450862054

Out: -1470.650+/-0.000 χ^2/NDF : 69198079726884

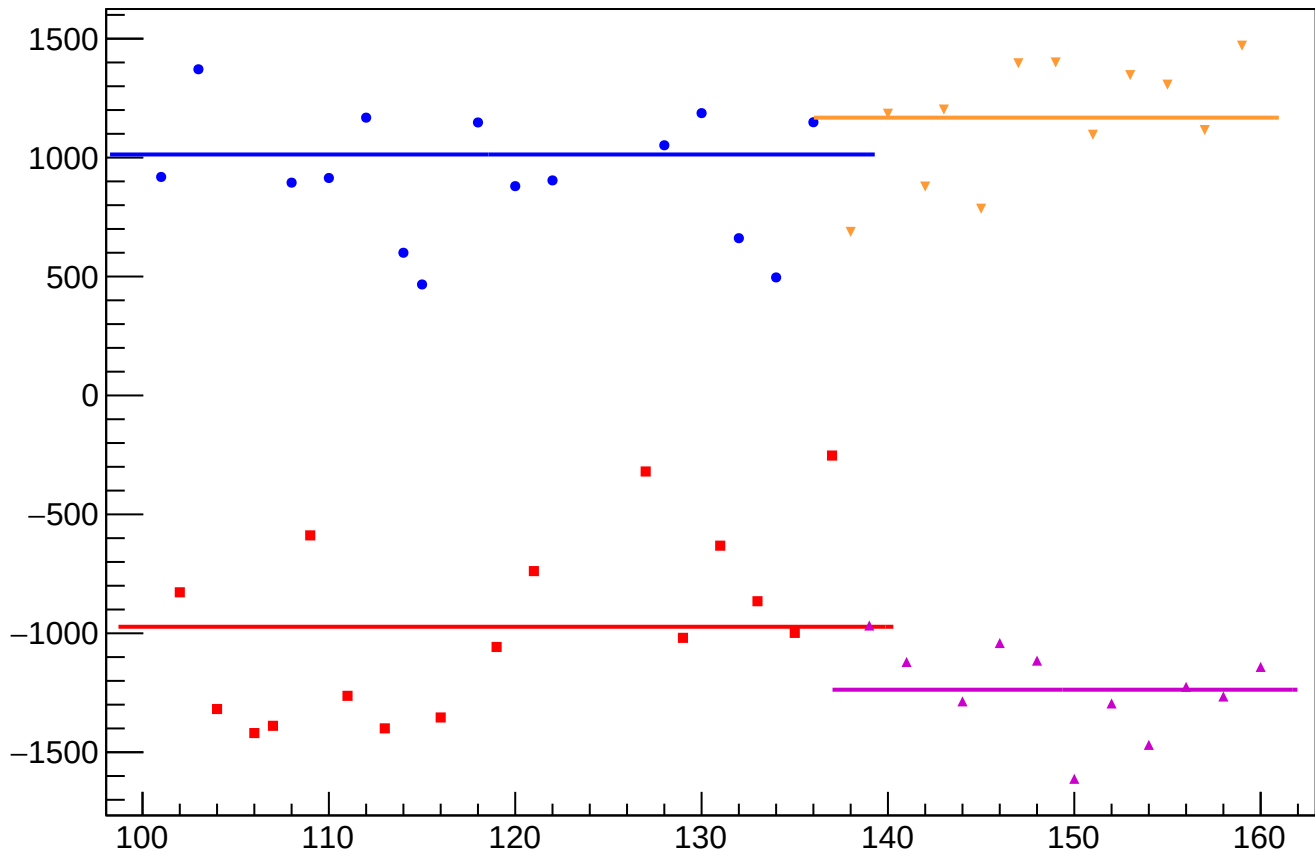
All: -34.178+/-0.000 χ^2/NDF : 140743325235

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



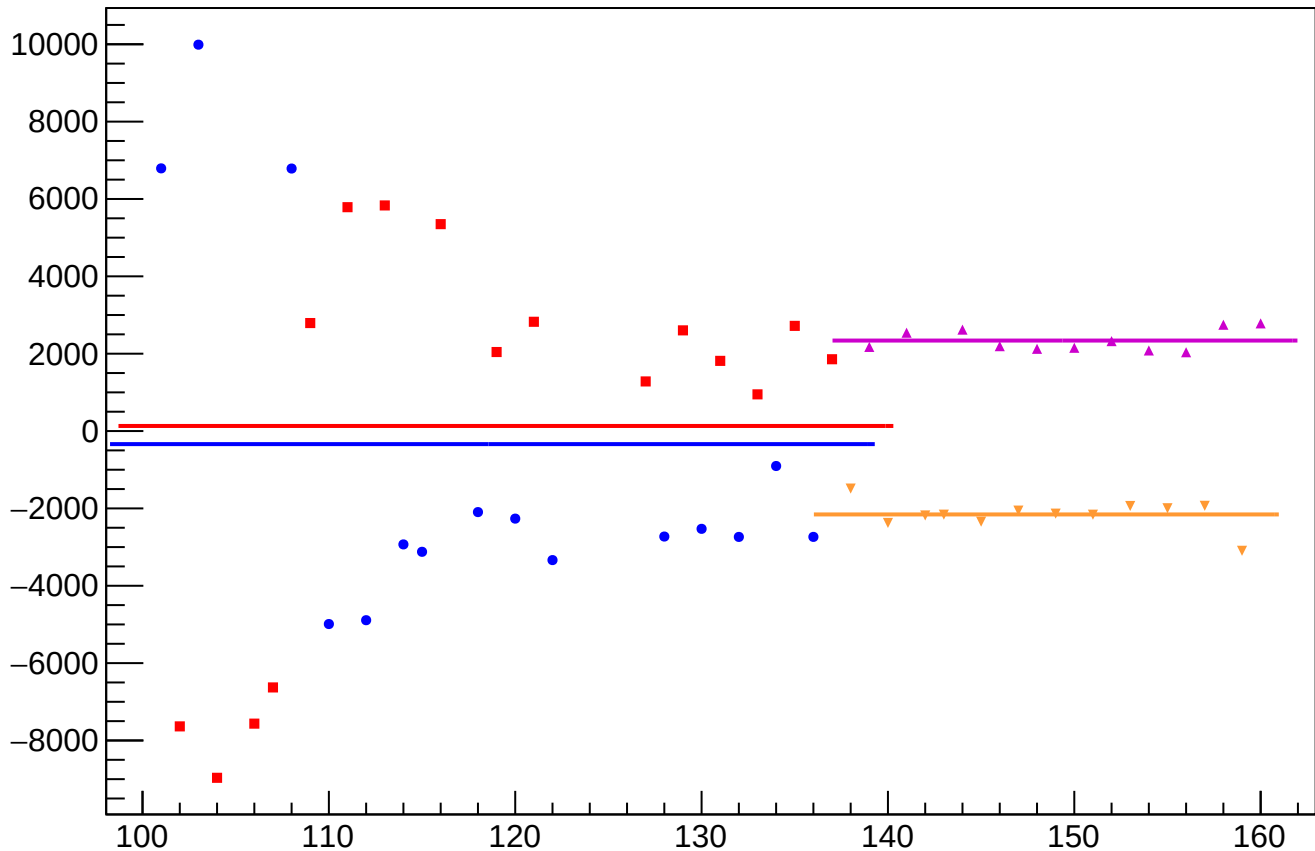
Right In: 1556.763 $\pm$ 0.000 χ^2 /NDF: 1139364239218600567191855131756930793472.0/14
 Left Out: 640.537 $\pm$ 0.000 χ^2 /NDF: 30170658754052148161516421209078628352.0/11
 Right Out: -2232.520 $\pm$ 0.000 χ^2 /NDF: 8990395725533930134878595569706942332928.0/15
 Left In: -634.562 $\pm$ 0.000 χ^2 /NDF: 12308442809403031190669556314642841600.0/10
 All: -151.319 $\pm$ 0.000 χ^2 /NDF: 15745535333

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865+/-0.000

χ^2/NDF : 15152515933007079891661097940762081886208.0/14

Left Out: -2155.781+/-0.000

χ^2/NDF : 123219365127325232212410930135251812352.0/11

Right Out: 131.545+/-0.000

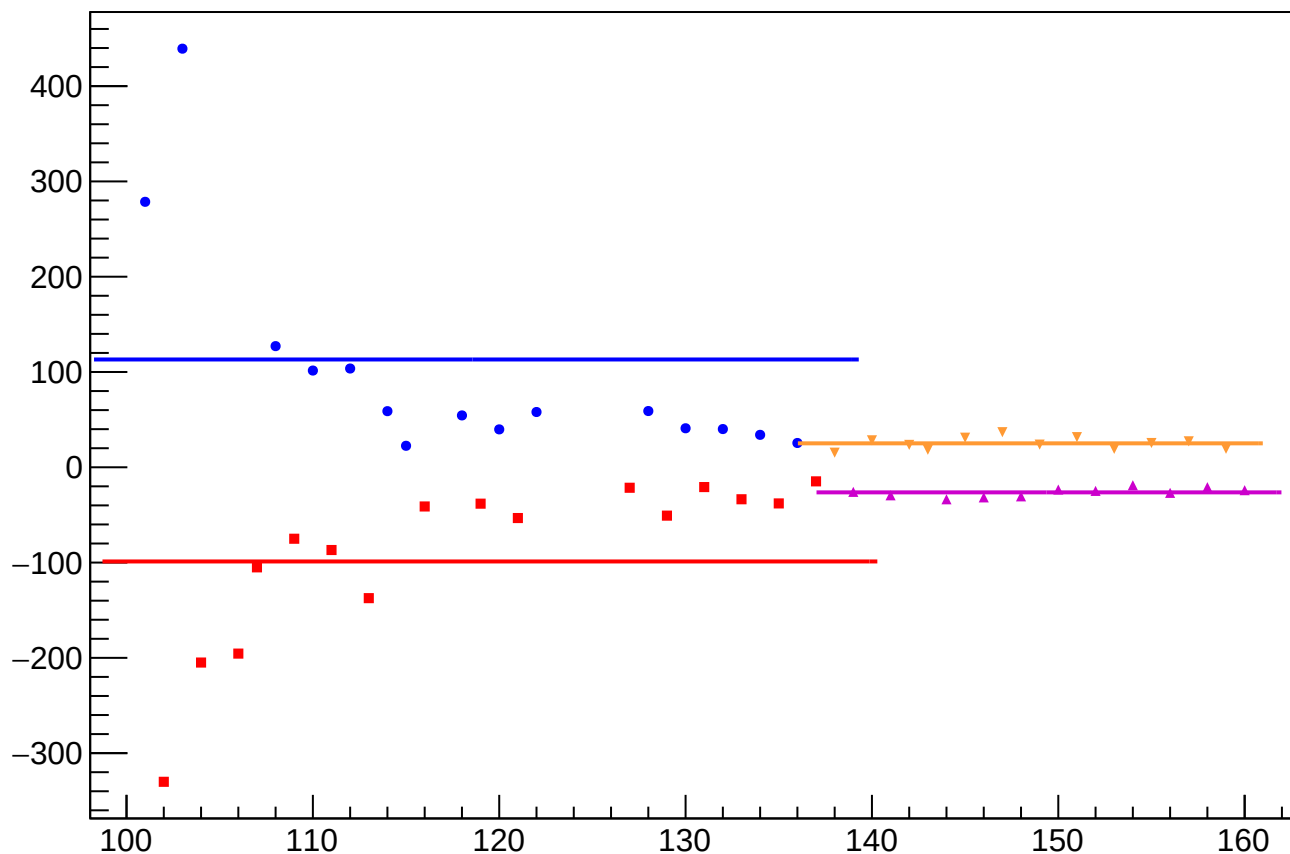
χ^2/NDF : 16473217651078877976377424419956902068224.0/15

Left In: 2339.639+/-0.000

χ^2/NDF : 62860144247456957543810906284181422080.0/10

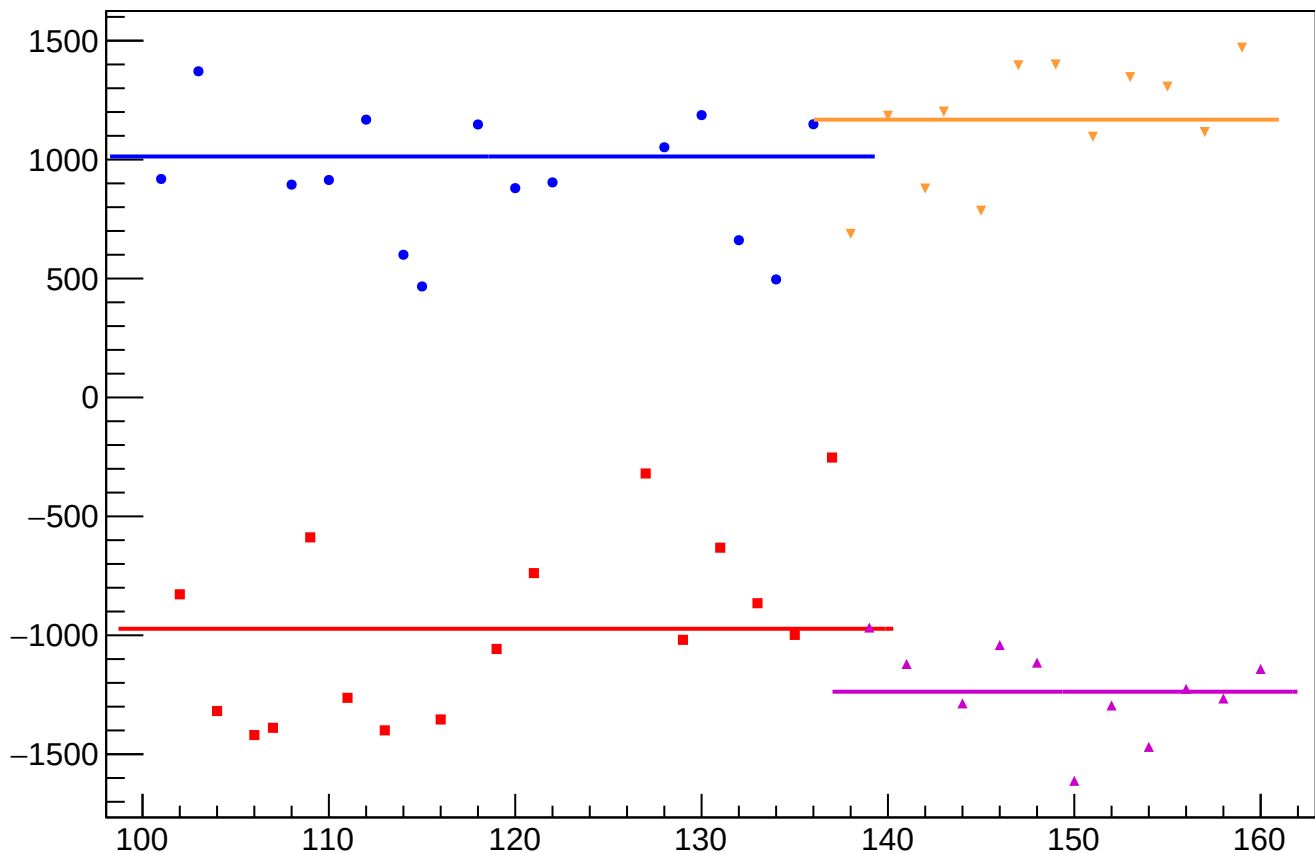
Left: 100.475+/-0.000 χ^2/NDF : 9487043627831926
 Right: -99.949+/-0.000 χ^2/NDF : 316982138957514
 In: 1234.934+/-0.000 χ^2/NDF : 1794842889484232
 Out: -1192.620+/-0.000 χ^2/NDF : 18616645985625
 All: 16.928+/-0.000 χ^2/NDF : 4121608496439

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



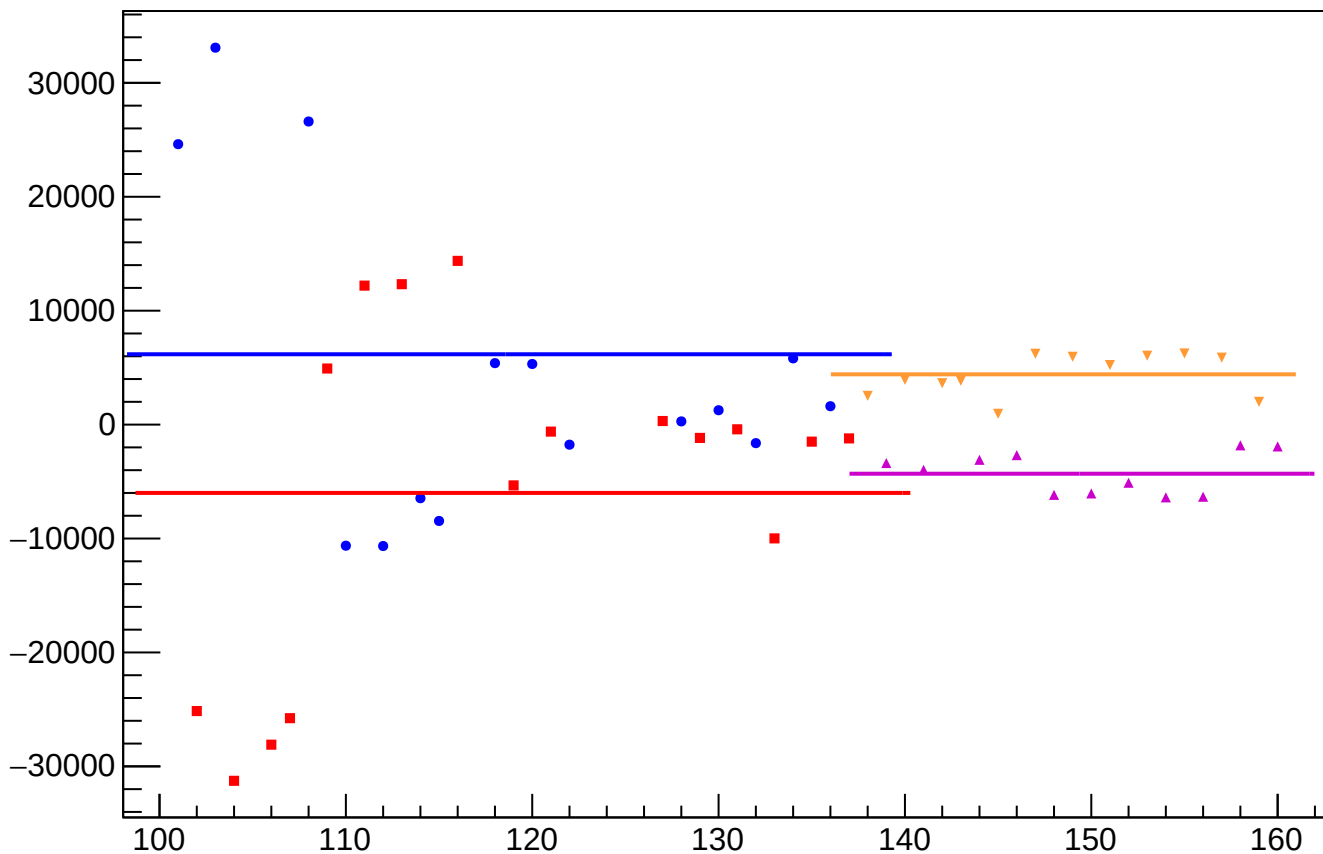
Right In: 113.134 +/- 0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14
 Left Out: 25.122 +/- 0.000 χ^2/NDF : 34236554639910499014555581559078912.0/11
 Right Out: -98.833 +/- 0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15
 Left In: -26.331 +/- 0.000 χ^2/NDF : 18142873408814573481950758043648000.0/10
 All: 1.967 +/- 0.000 χ^2/NDF : 31581433115141

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



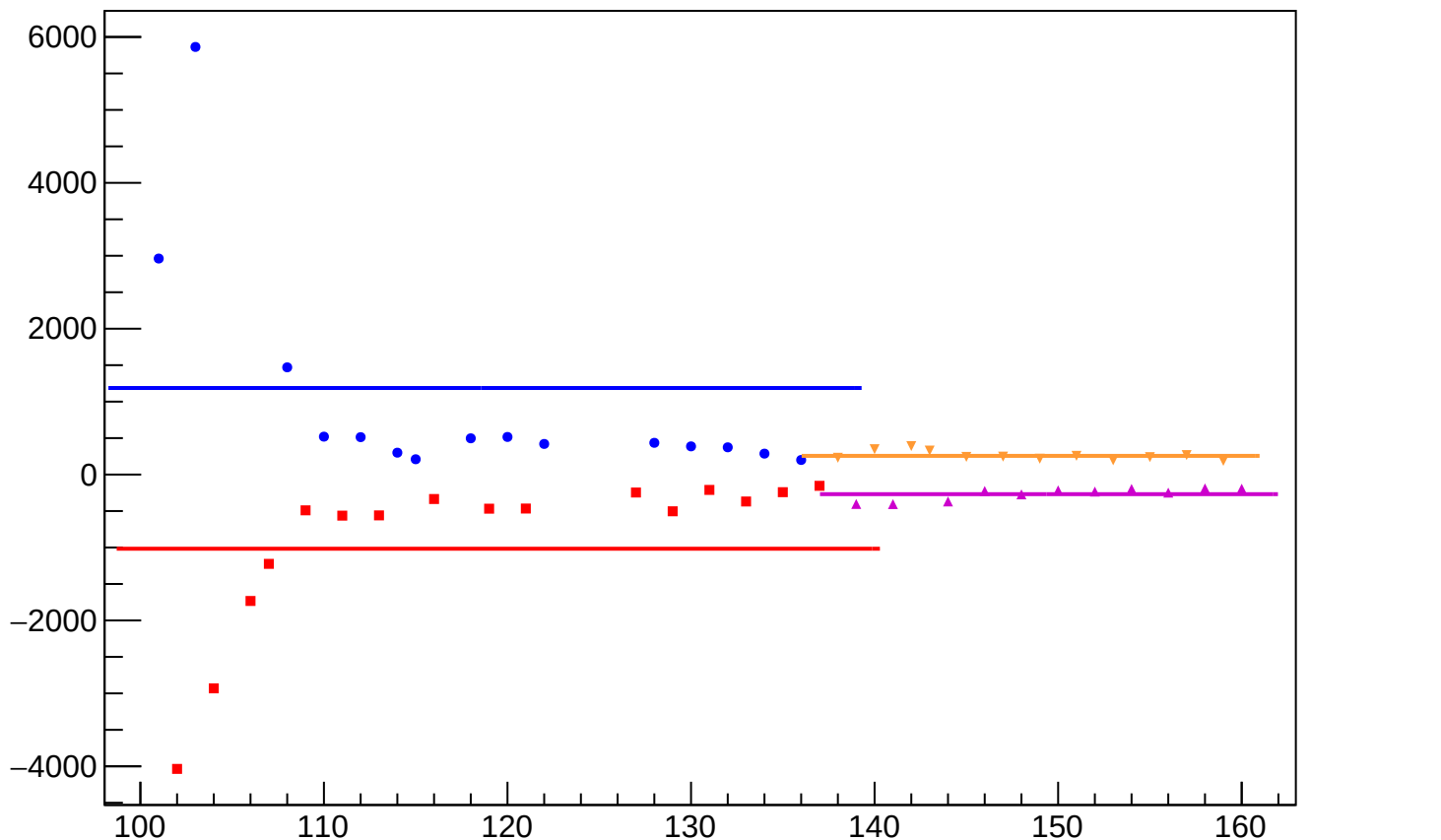
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam2_coil6_mean vs Slug, Sign Corrected



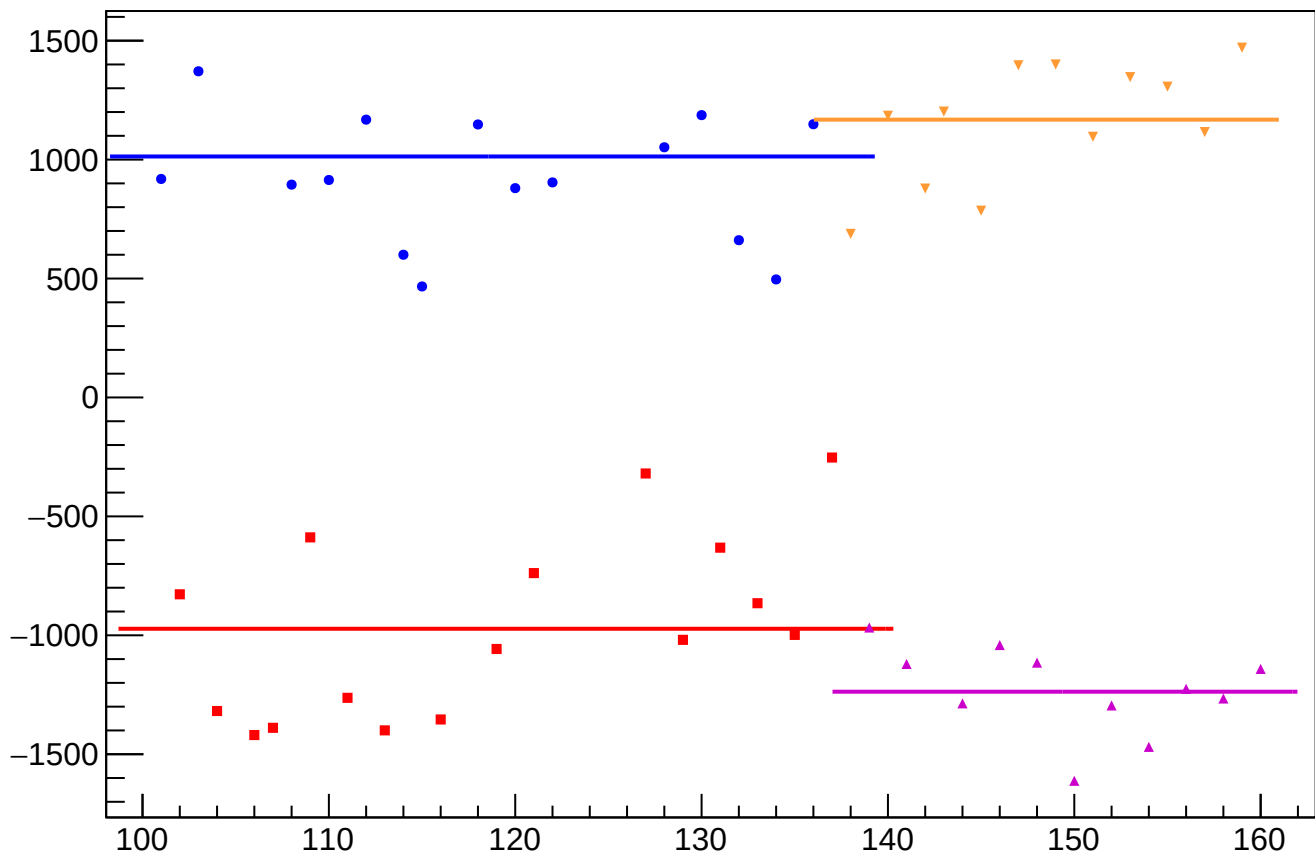
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4413.614+/-0.000 χ^2/NDF : 2955972864027480615108884679842756296704.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.940+/-0.000 χ^2/NDF : 3437284589394

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



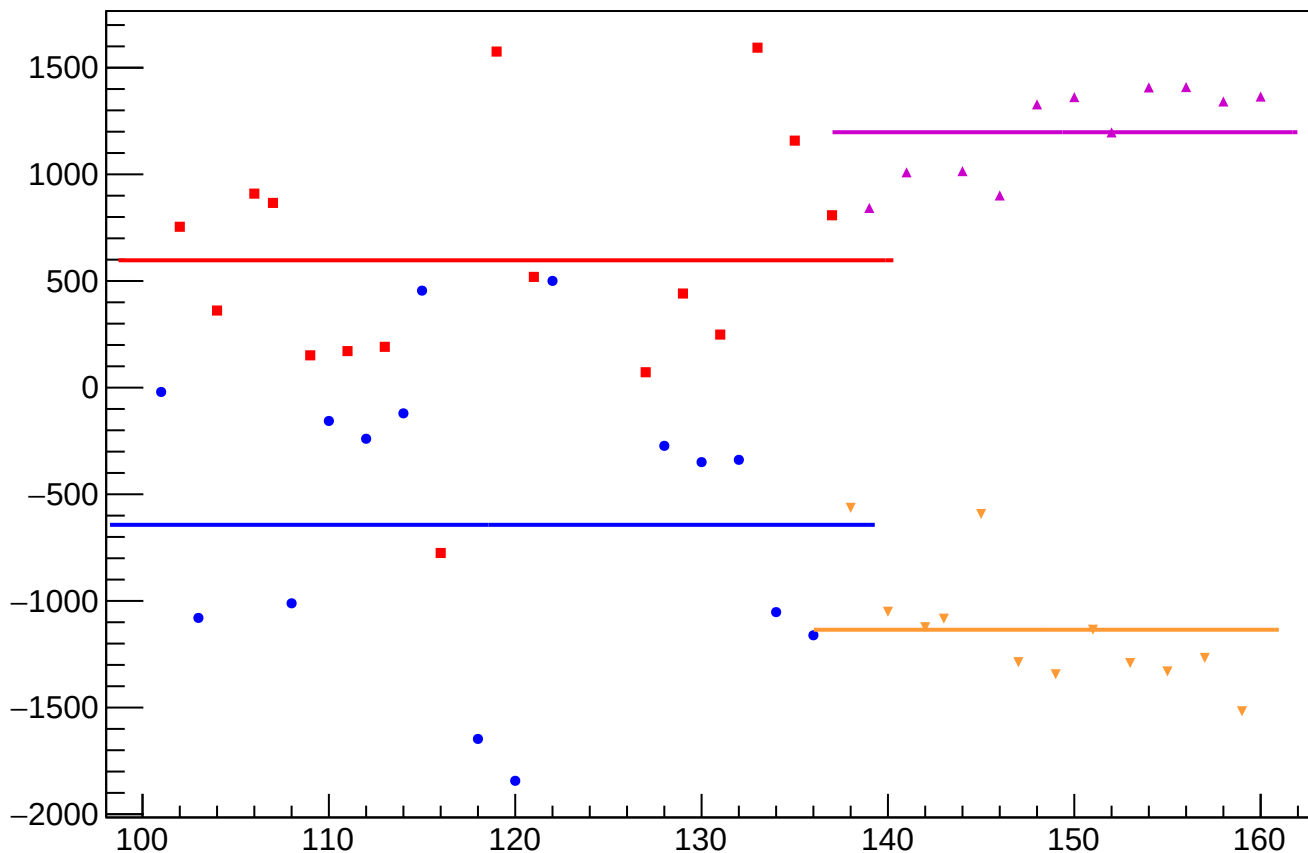
Left: -7.038 ± 0.000 $\chi^2/\text{NDF}: 13546112038867189$
 Right In: 1186.846 ± 0.000 $\chi^2/\text{NDF}: 1796463312802023303623210264680353234944.0/14$
 Left Out: 256.413 ± 0.000 $\chi^2/\text{NDF}: 2796377992740210527233445839838904320.0/11$
 Right Out: -1016.732 ± 0.000 $\chi^2/\text{NDF}: 927646003466094249558391691024825057280.0/15$
 Left In: -268.493 ± 0.000 $\chi^2/\text{NDF}: 5855734975706547823556607966386847744.0/10$
 All: 25.070 ± 0.000 $\chi^2/\text{NDF}: 4461367552726$

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

Left Out: -1135.033+/-0.000

Right Out: 597.043+/-0.000

Left In: 1197.503+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

χ^2/NDF : 73789817632186163776632146016354697216.0/11

χ^2/NDF : 210733370798031449363504004319005376512.0/15

χ^2/NDF : 38624722141560961102710570239066636288.0/10

Left: 35.669+/-0.000 χ^2/NDF : 26164720645554087

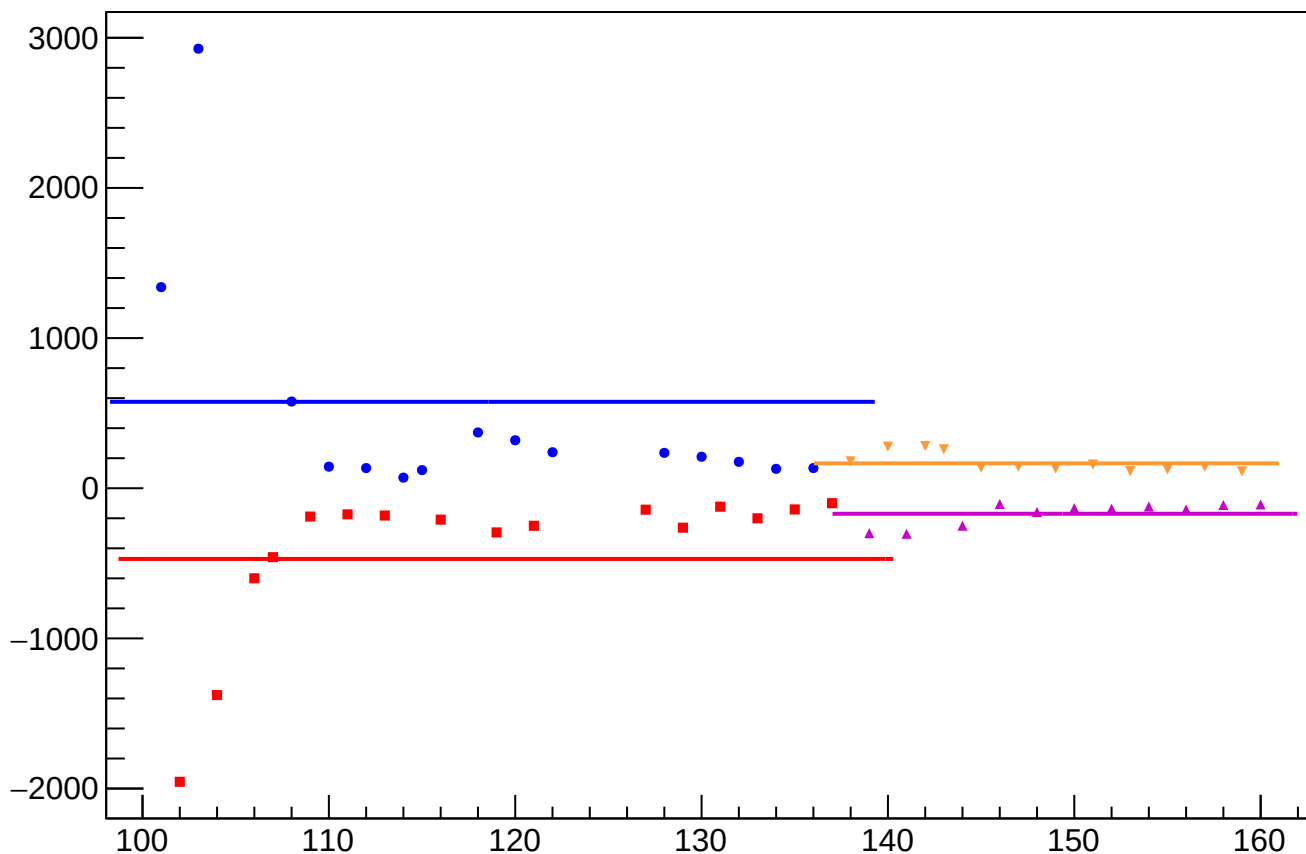
Right: -14.605+/-0.000 χ^2/NDF : 989448118075246

In: 438.045+/-0.000 χ^2/NDF : 16030569871638282

Out: -405.681+/-0.000 χ^2/NDF : 144296408406793

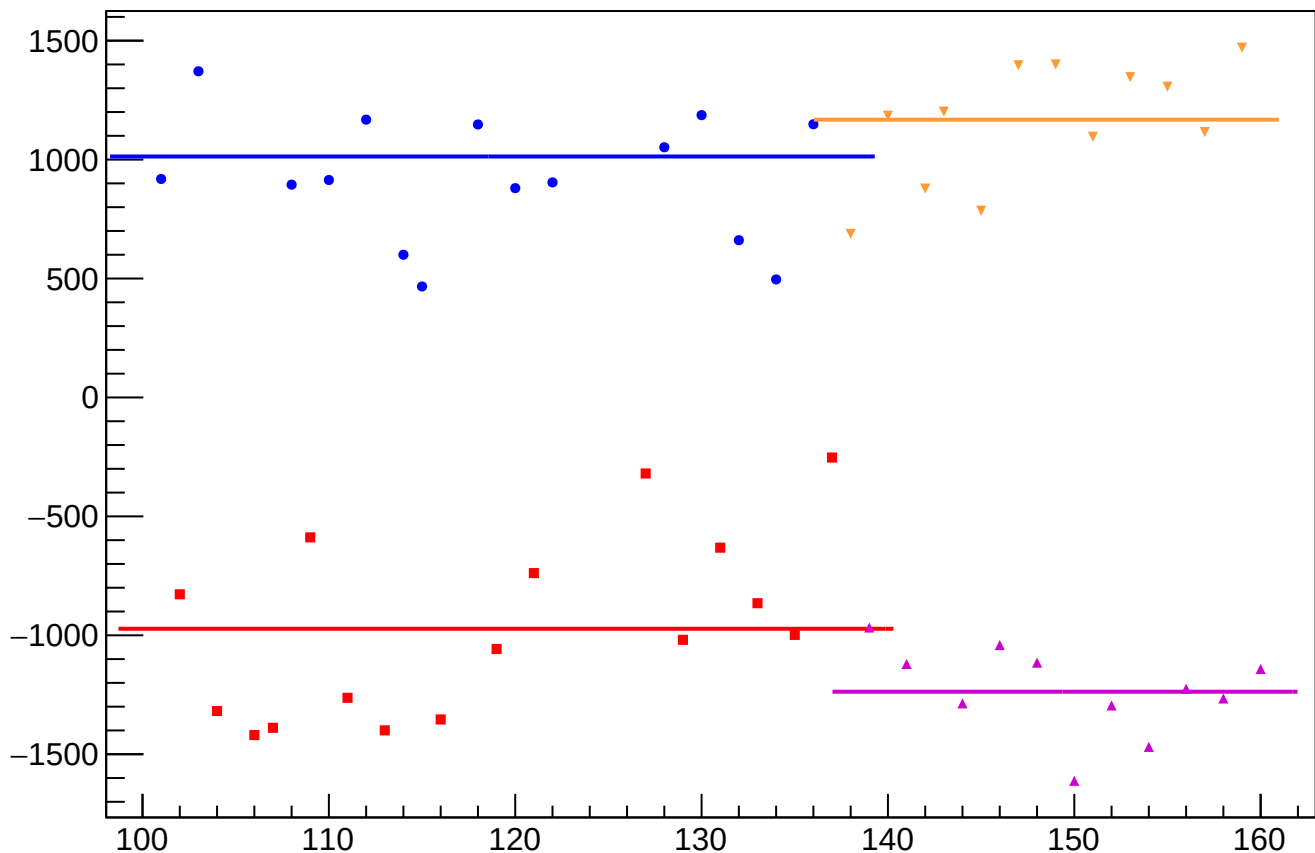
All: 14.712+/-0.000 χ^2/NDF : 3607859864595

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



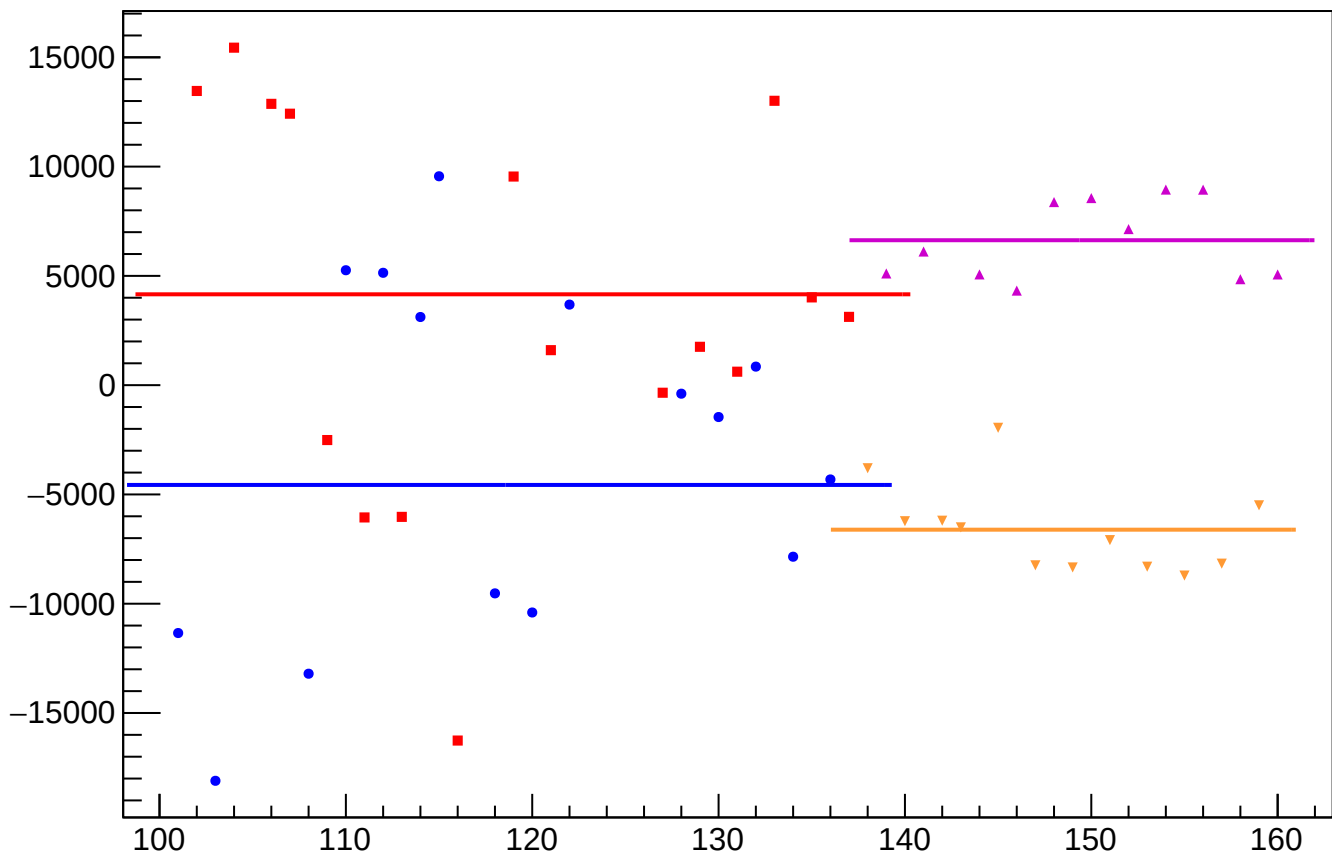
Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 165.815+/-0.000 χ^2/NDF : 3077732362329556605426877868663635968.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.246+/-0.000 χ^2/NDF : 1063680518716

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4565.412+/-0.000

Left Out: -6612.752+/-0.000

Right Out: 4156.859+/-0.000

Left In: 6631.377+/-0.000

χ^2/NDF : 35667768247432289984899042725155487875072.0/14

χ^2/NDF : 3759909720266492863199038301551573598208.0/11

χ^2/NDF : 45539455441659927157708443099930682195968.0/15

χ^2/NDF : 2831140540306304869921468245145345327104.0/10

Left: 34.492+/-0.000 χ^2/NDF : 87320936788321205

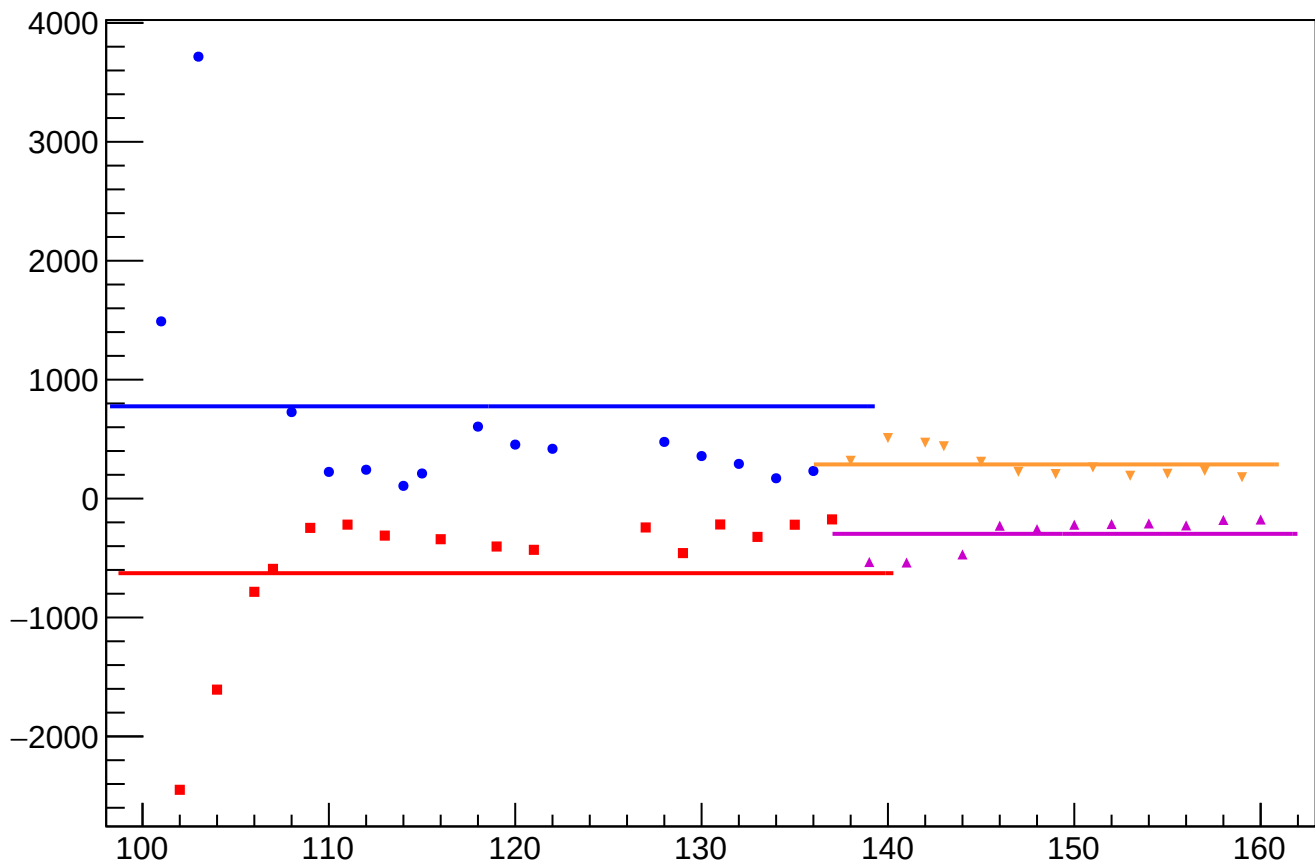
Right: -144.626+/-0.000 χ^2/NDF : 10623220696347

In: 2011.723+/-0.000 χ^2/NDF : 8629308418563650

Out: -2077.821+/-0.000 χ^2/NDF : 94085131574045

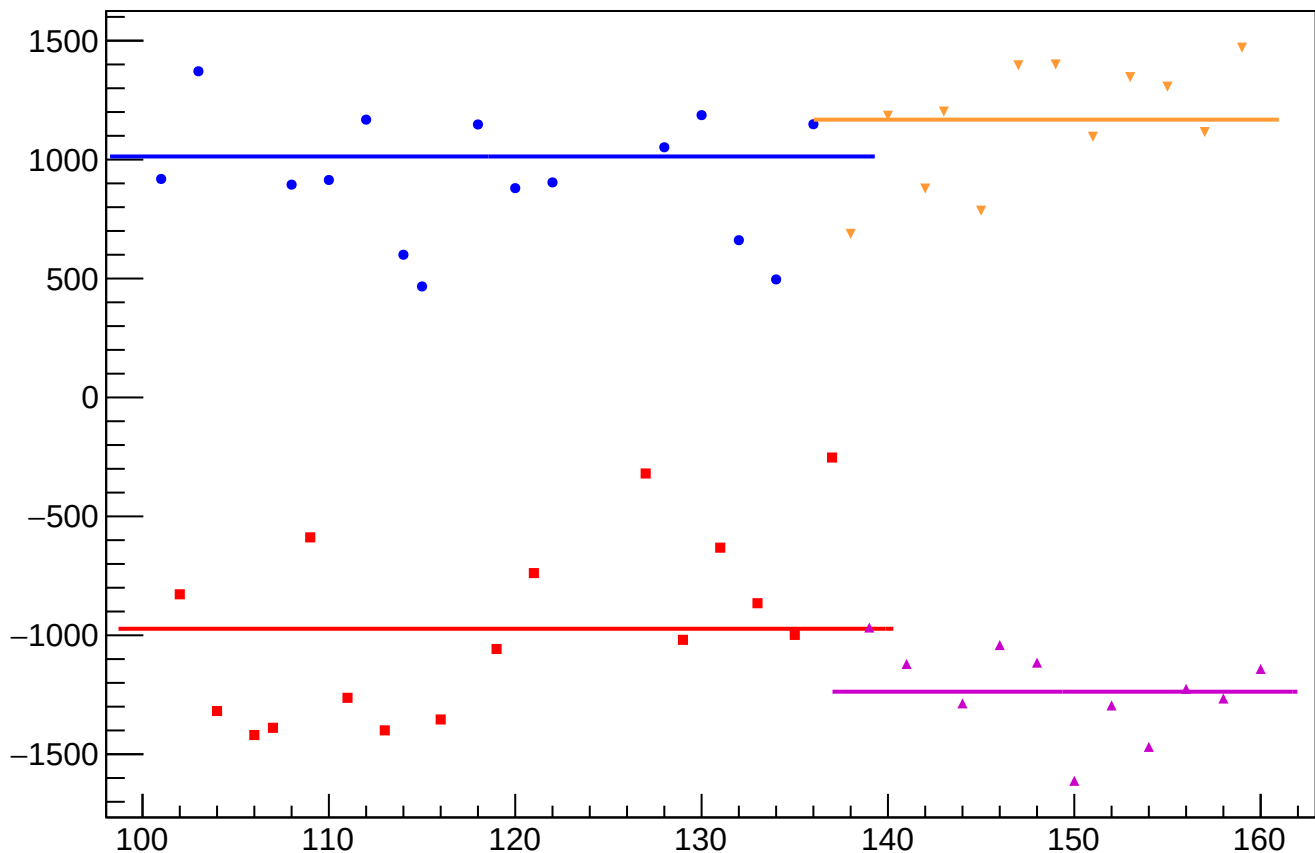
All: -40.174+/-0.000 χ^2/NDF : 193577765063

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



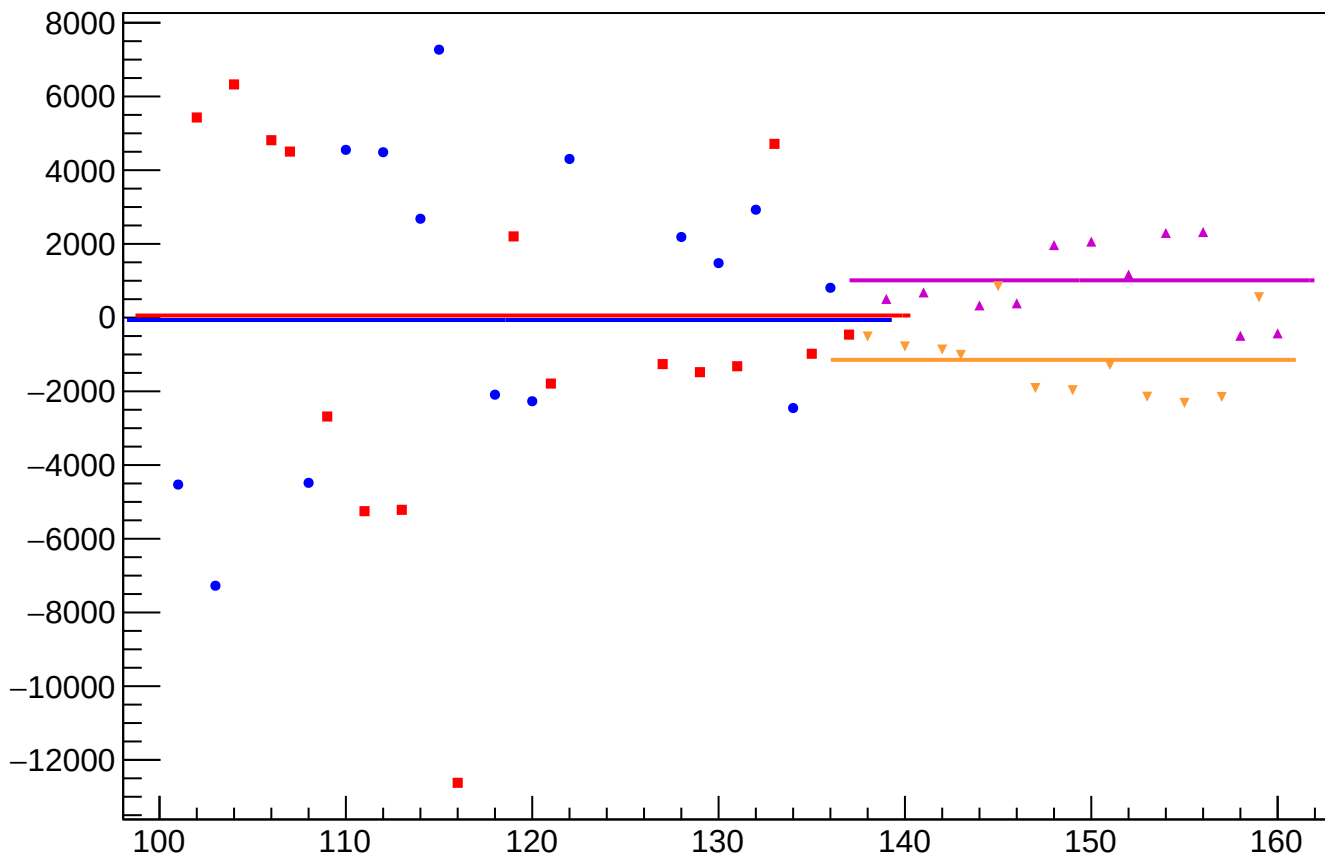
Right In: 775.824+/-0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Left Out: 287.283+/-0.000 χ^2/NDF : 10557467074341773559479069744616701952.0/11
 Right Out: -627.315+/-0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Left In: -296.514+/-0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.614+/-0.000 χ^2/NDF : 1775268796440

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



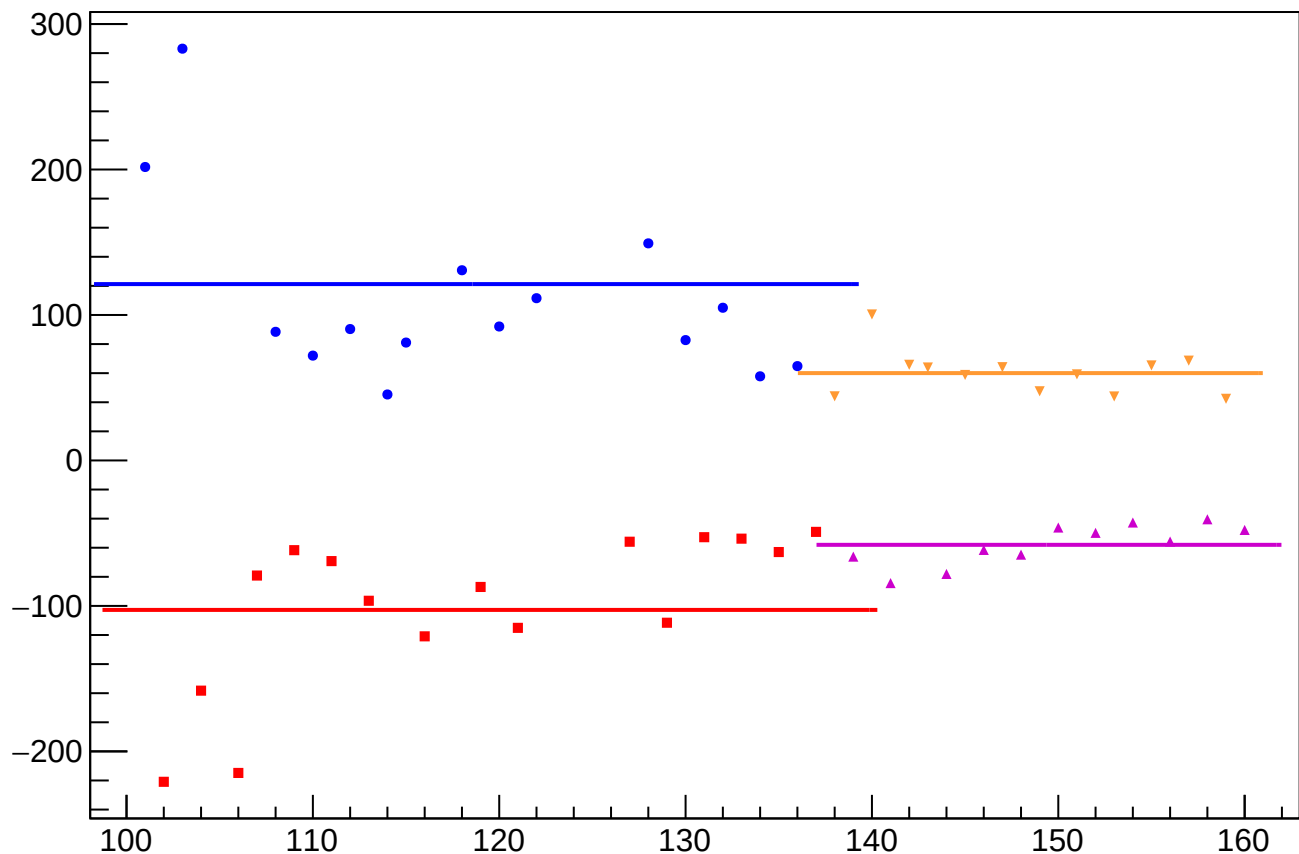
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam5_coil6_mean vs Slug, Sign Corrected



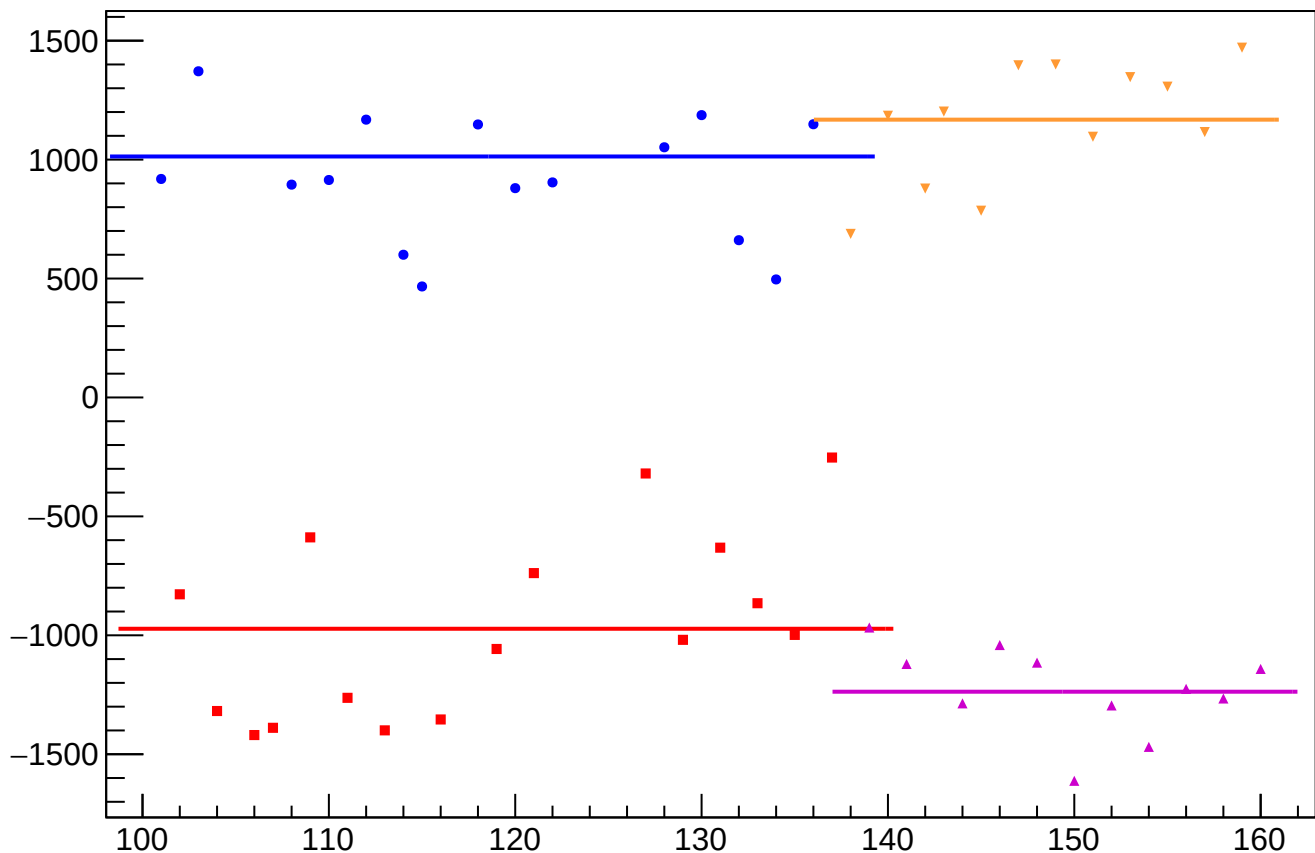
Right In: -64.751+/-0.000 χ^2/NDF : 9614223448851814191683817349989558910976.0/14
 Left Out: -1145.277+/-0.000 χ^2/NDF : 979075596349520821974350897813840199680.0/11
 Right Out: 57.229+/-0.000 χ^2/NDF : 13780958977008702301942505454387177979904.0/15
 Left In: 1011.284+/-0.000 χ^2/NDF : 903909408421874171739001543159795679232.0/10
 All: -37.898+/-0.000 χ^2/NDF : 274263018049

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



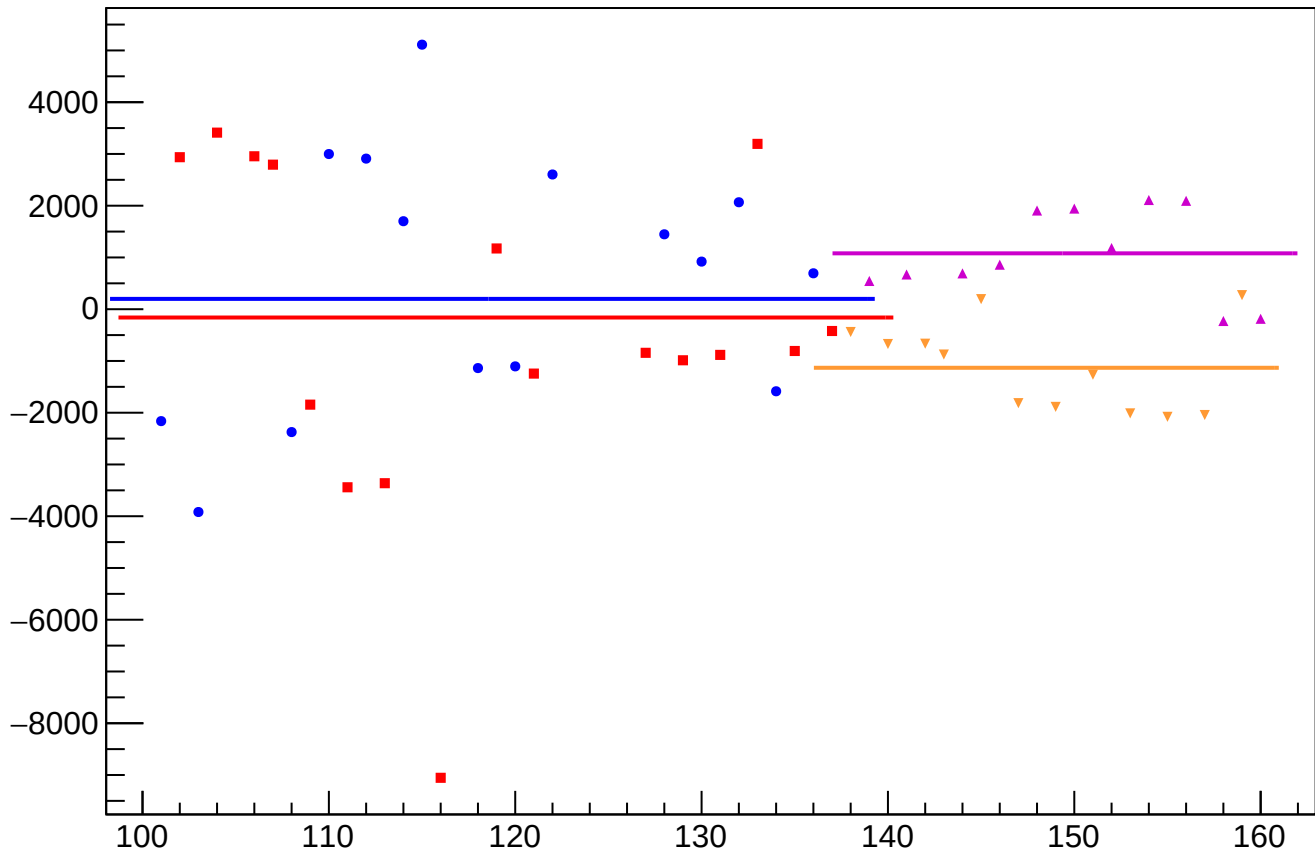
Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.042+/-0.000 χ^2/NDF : 225194152627424805036116621962248192.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.674+/-0.000 χ^2/NDF : 2804570307464

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 199.503+/-0.000

χ^2/NDF : 3268159745923533825045181664876849790976.0/14

Left Out: -1131.740+/-0.000

χ^2/NDF : 658434610169859056709733978264796397568.0/11

Right Out: -160.512+/-0.000

χ^2/NDF : 5680576709461197901526729703706251493376.0/15

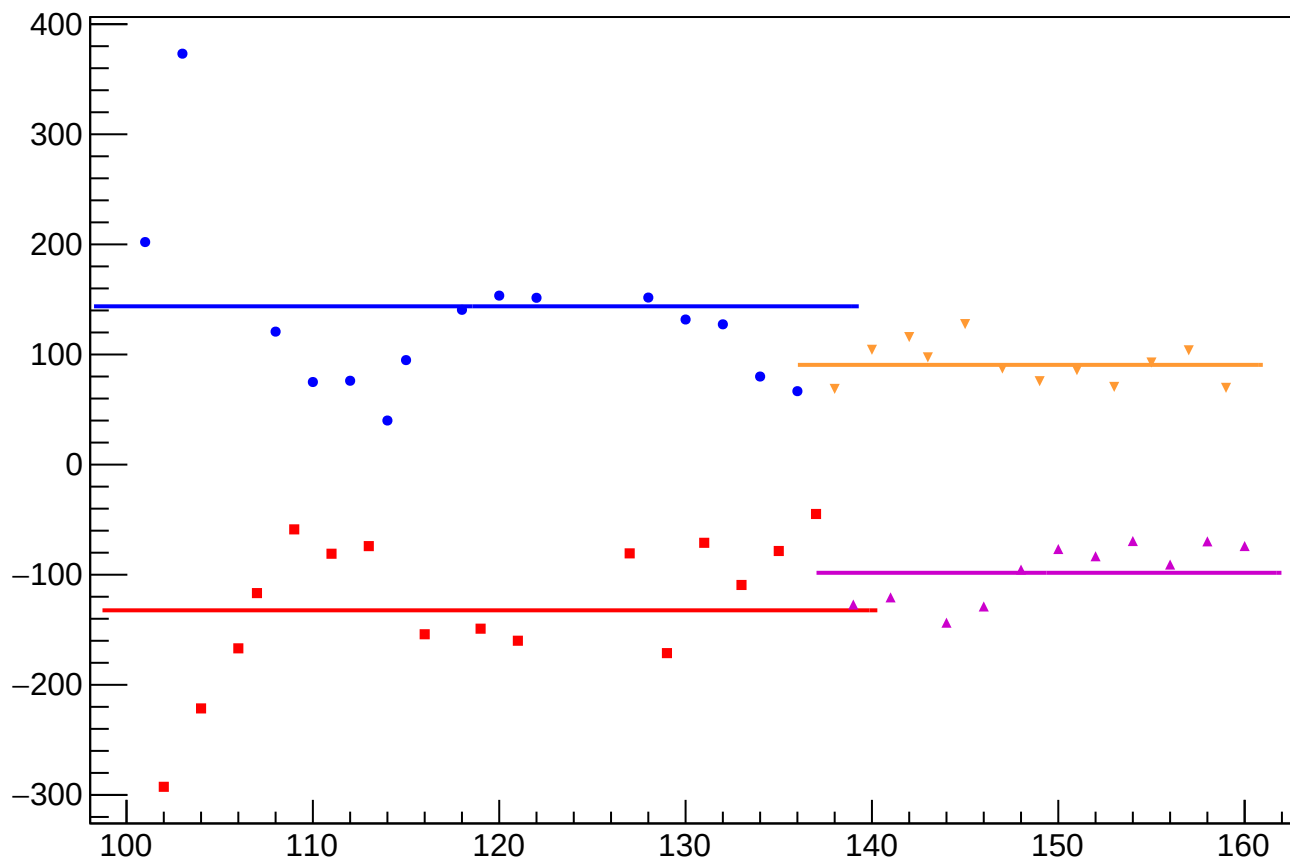
Left In: 1079.555+/-0.000

χ^2/NDF : 614734398575877452858032752710912049152.0/10

All: -5.664+/-0.000

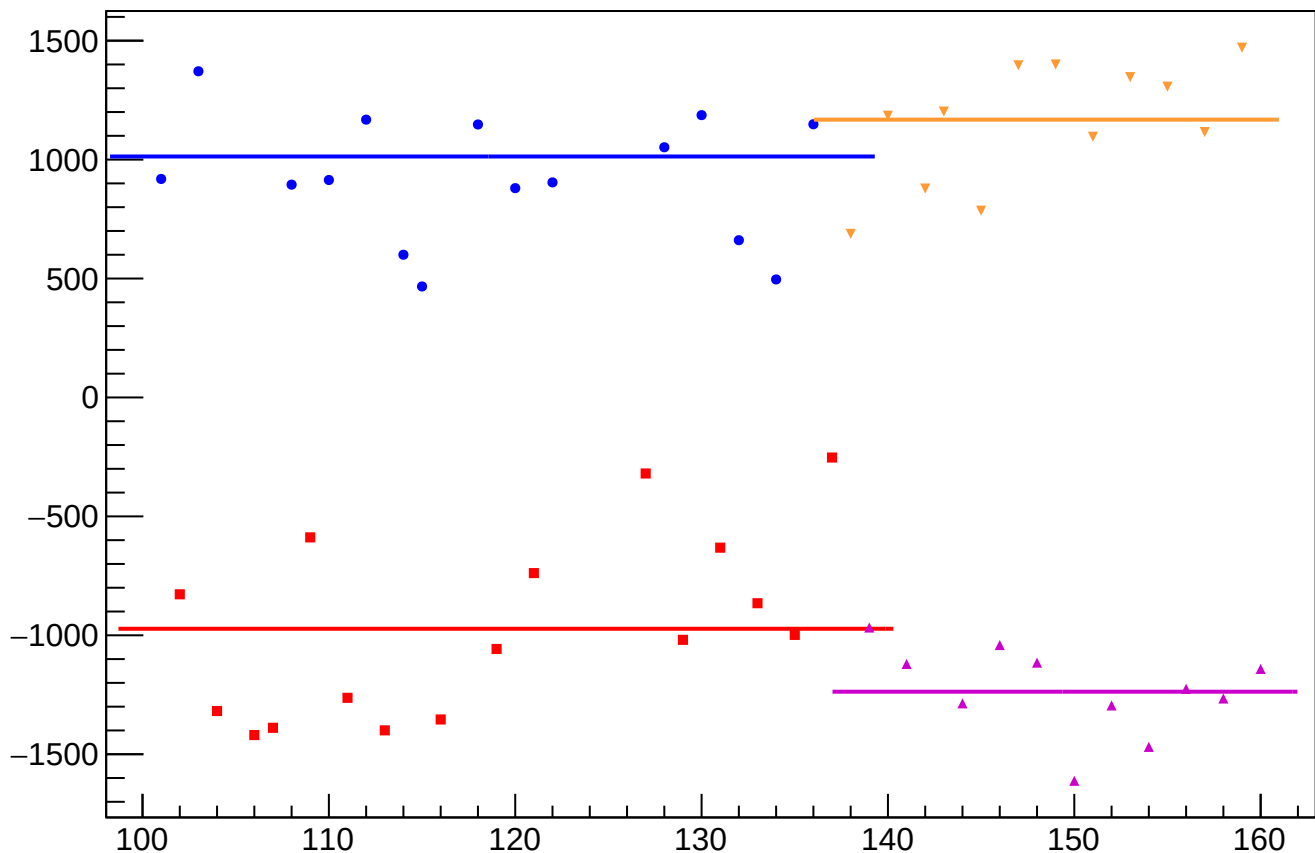
χ^2/NDF : 1251621104913

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



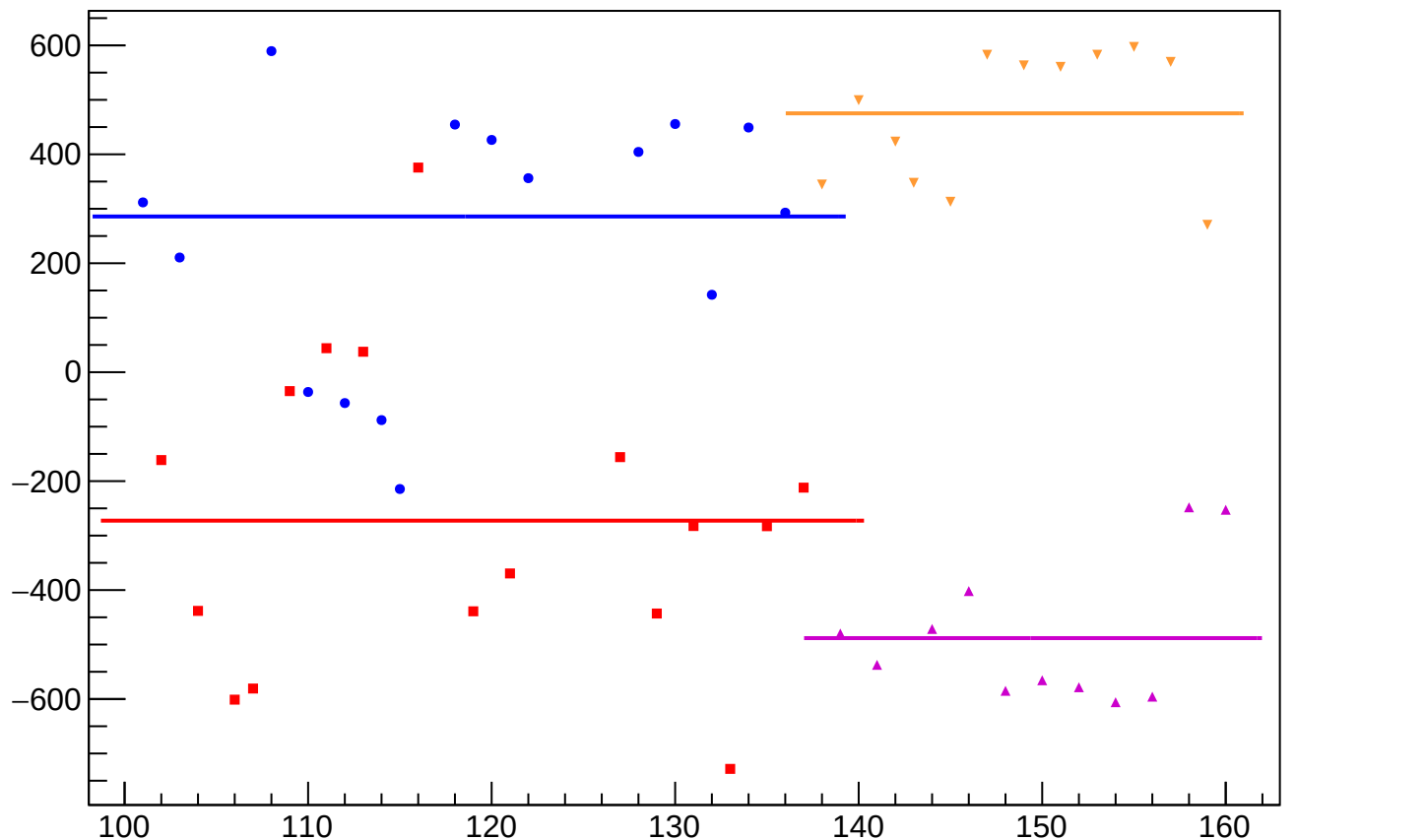
Left: -4.195 ± 0.000 $\chi^2/\text{NDF}: 17333934091719658$
 Right In: 143.764 ± 0.000 $\chi^2/\text{NDF}: 4514785869565777849900508591821946880.0/14$
 Left Out: 90.584 ± 0.000 $\chi^2/\text{NDF}: 300208511037372941883923935499649024.0/11$
 Right Out: -132.341 ± 0.000 $\chi^2/\text{NDF}: 3174087908796245287682359914282352640.0/15$
 Left In: -98.257 ± 0.000 $\chi^2/\text{NDF}: 620993776773093393033369428470792192.0/10$
 In: 1.598 ± 0.000 $\chi^2/\text{NDF}: 2746595414560194970$
 Out: -3.286 ± 0.000 $\chi^2/\text{NDF}: 22663513410864161$
 All: -0.853 ± 0.000 $\chi^2/\text{NDF}: 5014829337749$

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



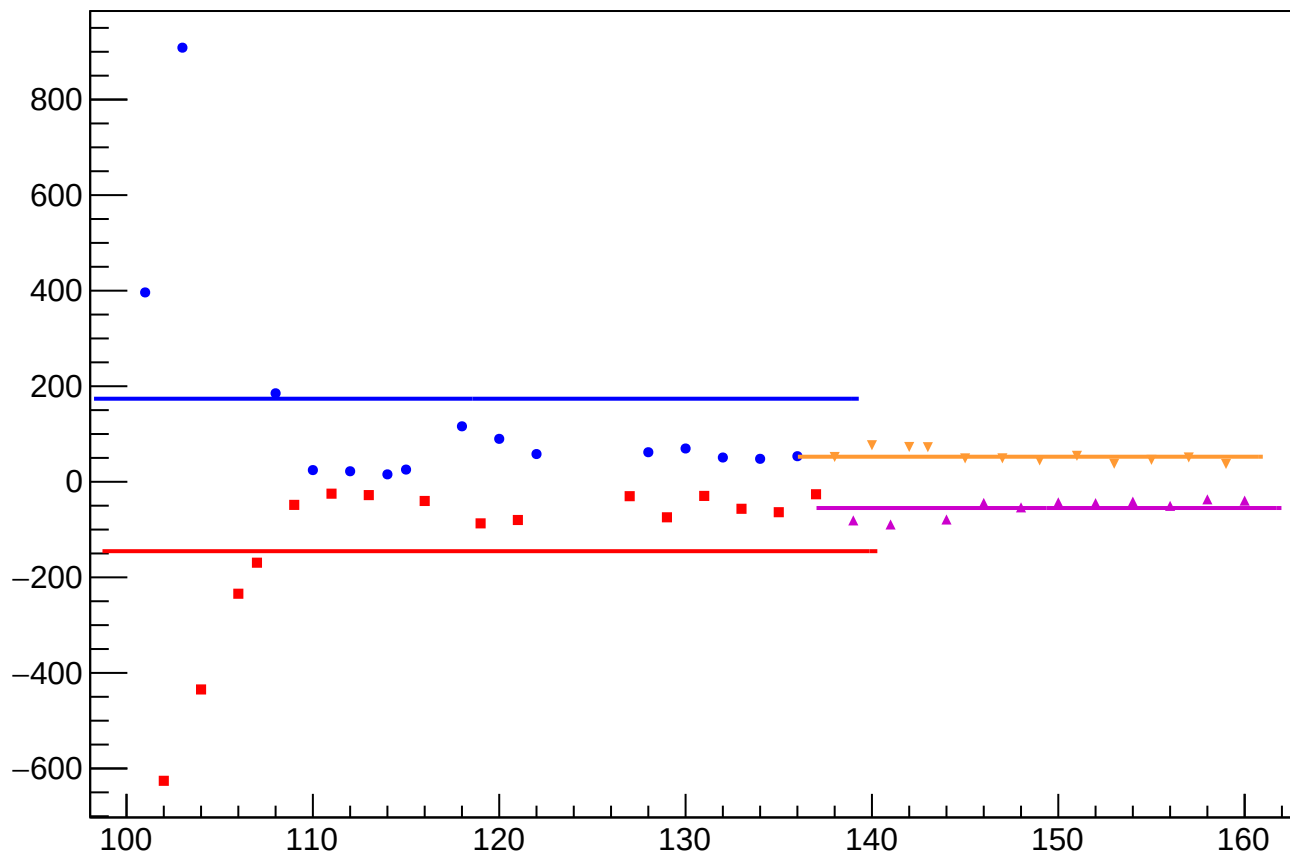
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam7_coil6_mean vs Slug, Sign Corrected



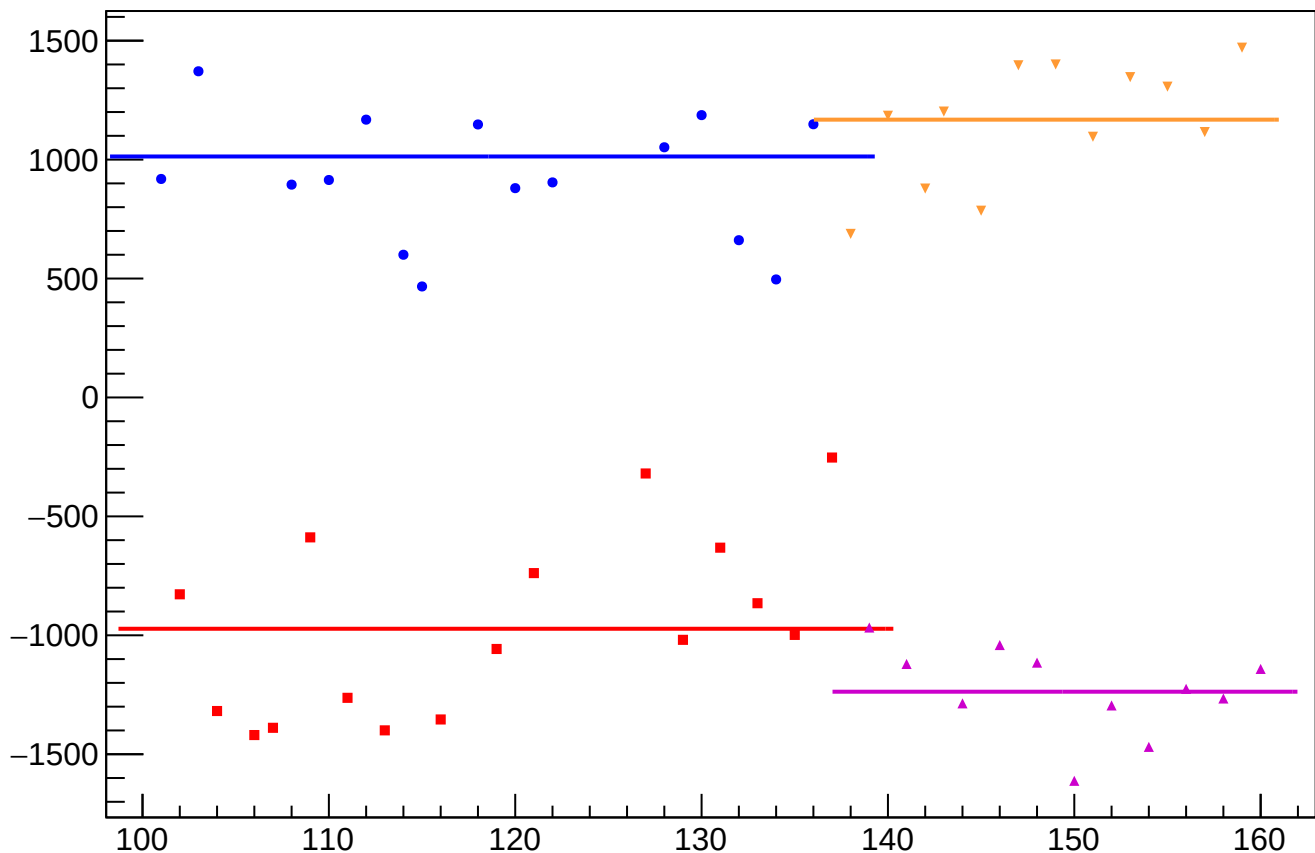
Right In: 285.856 +/- 0.000 χ^2/NDF : 24108244802355530064663311301086281728.0/14
 Left Out: 475.235 +/- 0.000 χ^2/NDF : 13070818687465126874075480521523068928.0/11
 Right Out: -272.539 +/- 0.000 χ^2/NDF : 44149952665075593650338713333575712768.0/15
 Left In: -488.203 +/- 0.000 χ^2/NDF : 13828831980358883653289432391973076992.0/10
 All: -3.665 +/- 0.000 χ^2/NDF : 6250224533135

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



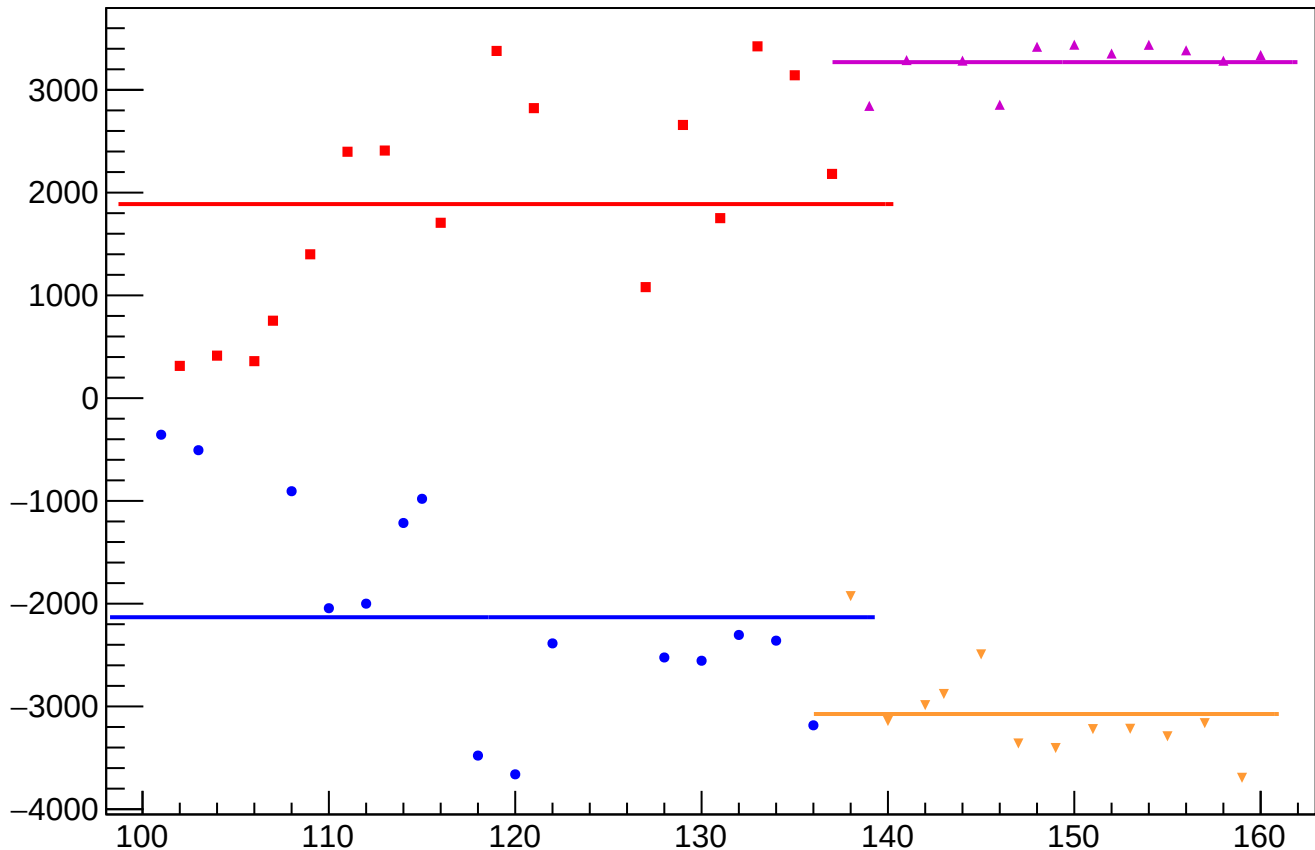
Left: -1.408 +/- 0.000 χ^2/NDF : 57476296462672576
 Right In: 173.871 +/- 0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Right: 12.139 +/- 0.000 χ^2/NDF : 9772897307710637
 Left Out: 52.484 +/- 0.000 χ^2/NDF : 140982522312355375266483802671677440.0/11
 In: 39.493 +/- 0.000 χ^2/NDF : 619564021613478724
 Right Out: -145.228 +/- 0.000 χ^2/NDF : 22529615719408594720785265744437837824.0/15
 Out: -30.770 +/- 0.000 χ^2/NDF : 3776461617850606
 Left In: -54.891 +/- 0.000 χ^2/NDF : 300358274506113612486338175884591104.0/10
 All: 4.239 +/- 0.000 χ^2/NDF : 10361743974662

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2131.905+/-0.000

Left Out: -3073.640+/-0.000

Right Out: 1888.448+/-0.000

Left In: 3269.755+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 187385582436852783779369611000994070528.0/11

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 38098096180391062431092176239781216256.0/10

Left: 110.117+/-0.000 χ^2/NDF : 1874506217921654

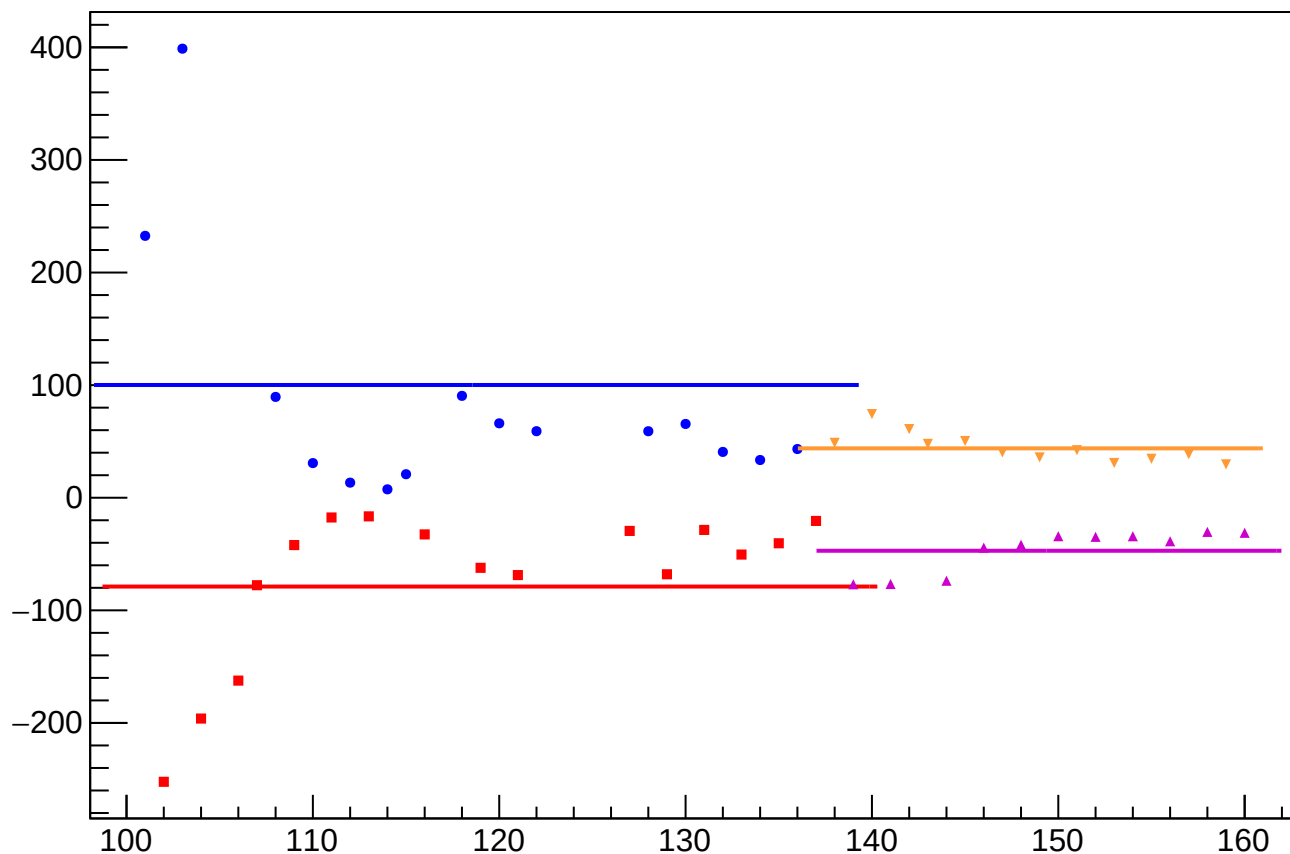
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 1188405782367471

Out: -984.175+/-0.000 χ^2/NDF : 104869294967123

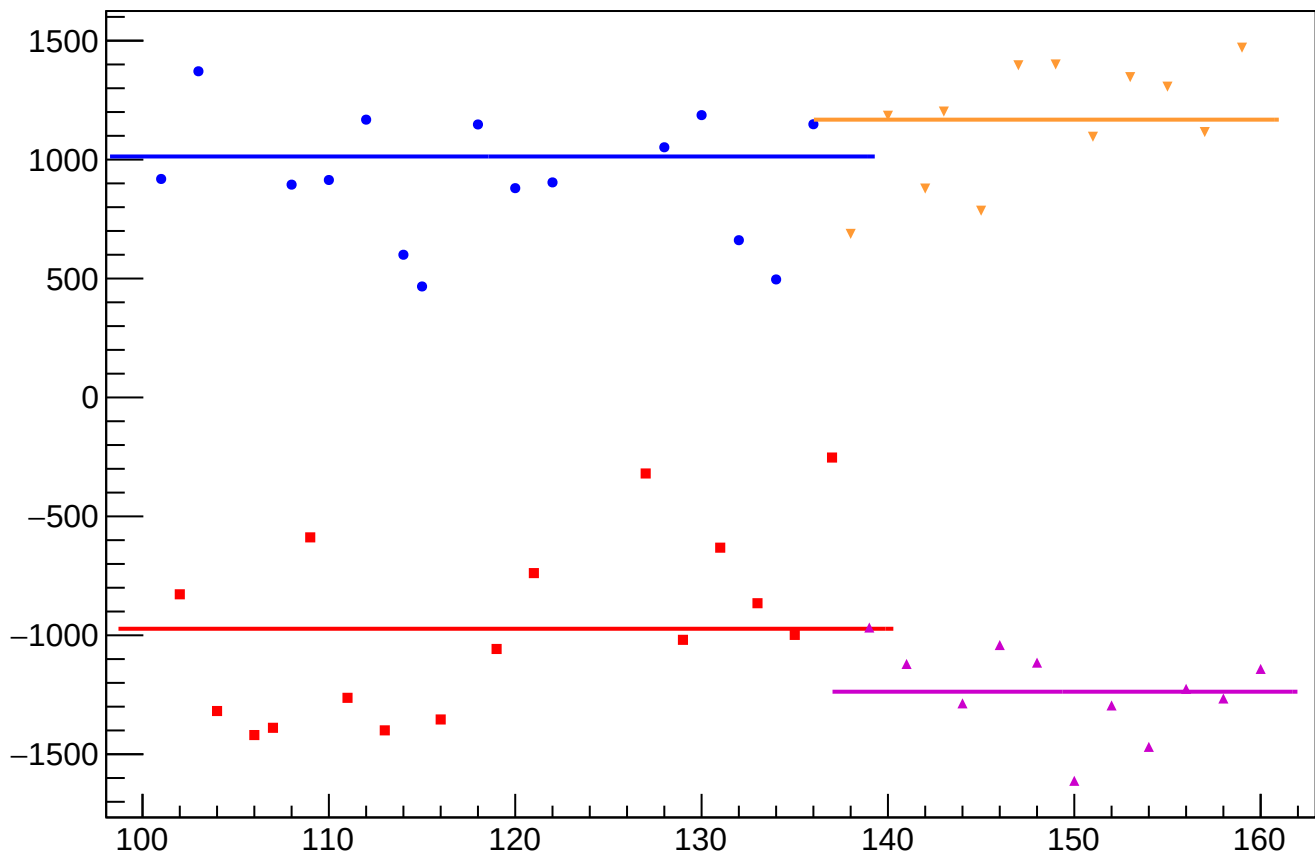
All: 24.933+/-0.000 χ^2/NDF : 2560823987852

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



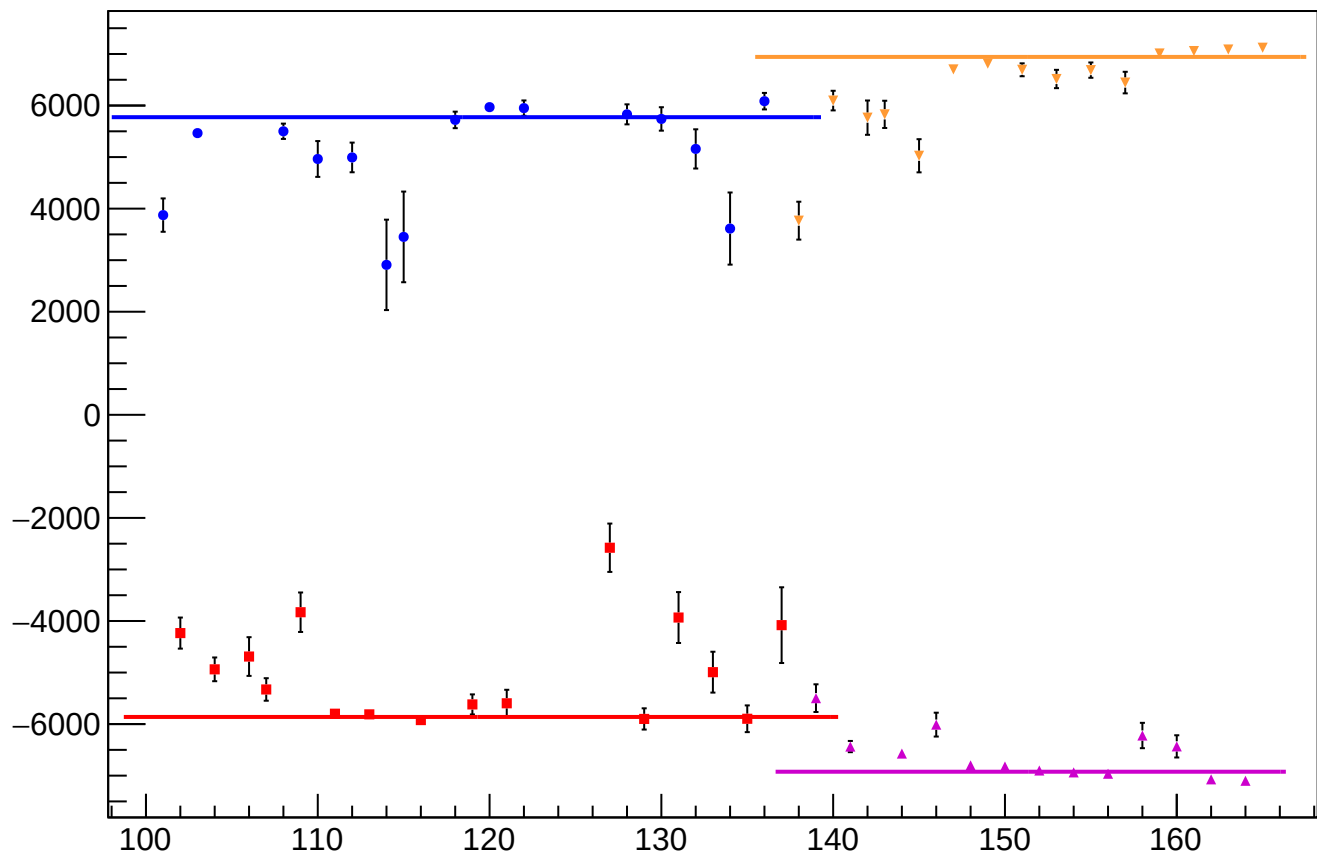
Right In: 100.135+/-0.000	χ^2/NDF : 7813910768784473081480373577053110272.0/14	Left: -1.794+/-0.000	χ^2/NDF : 42509437627590264
Left Out: 43.850+/-0.000	χ^2/NDF : 141916966921802590982612264966684672.0/11	Right: 9.403+/-0.000	χ^2/NDF : 21880477100402541
Right Out: -78.881+/-0.000	χ^2/NDF : 3525129078433901202304301512966275072.0/15	In: 13.652+/-0.000	χ^2/NDF : 16380012936248555
Left In: -47.092+/-0.000	χ^2/NDF : 302550156086866534805447117402800128.0/10	Out: -7.830+/-0.000	χ^2/NDF : 94834018349760268
	All: 2.873+/-0.000	χ^2/NDF : 26227631084667	

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 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: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117+/-0.181 χ^2/NDF : 1828526.5/14

Left Out: 6943.326+/-0.206 χ^2/NDF : 339660.8/14

Right Out: -5861.461+/-0.140 χ^2/NDF : 180020.4/15

Left In: -6924.086+/-0.152 χ^2/NDF : 471453.1/12

Left: -2065.645+/-0.122 χ^2/NDF : 2932872796.9/27

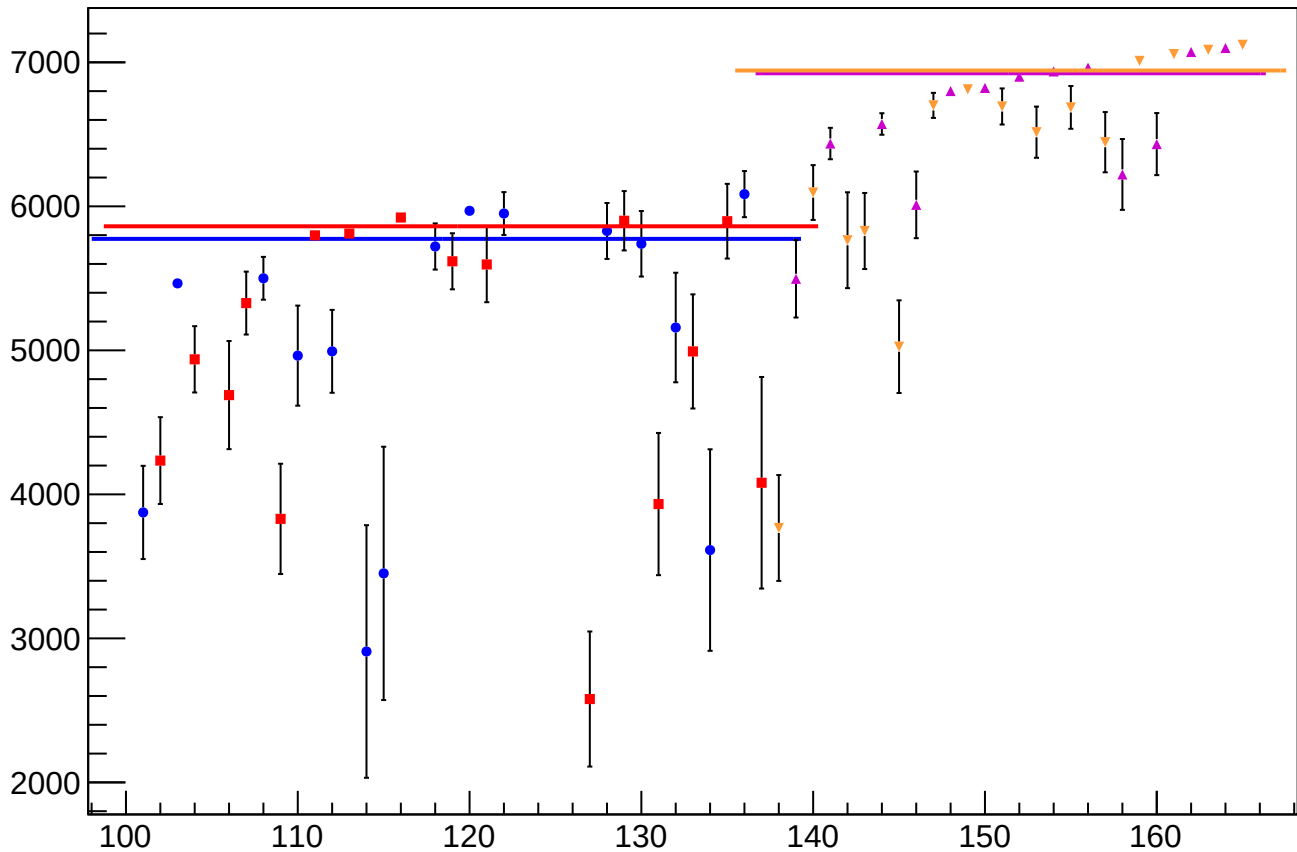
Right: -1536.191+/-0.111 χ^2/NDF : 2585354230.9/30

In: -1704.759+/-0.116 χ^2/NDF : 2886580393.3/27

Out: -1843.834+/-0.116 χ^2/NDF : 2641245937.2/30

All: -1774.722+/-0.082 χ^2/NDF : 5528545285

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117+/-0.181 χ^2/NDF : 1828526.5/14

Left Out: 6943.326+/-0.206 χ^2/NDF : 339660.8/14

Right Out: 5861.461+/-0.140 χ^2/NDF : 180020.4/15

Left In: 6924.086+/-0.152 χ^2/NDF : 471453.1/12

Left: 6930.827+/-0.122 χ^2/NDF : 816757.9/27

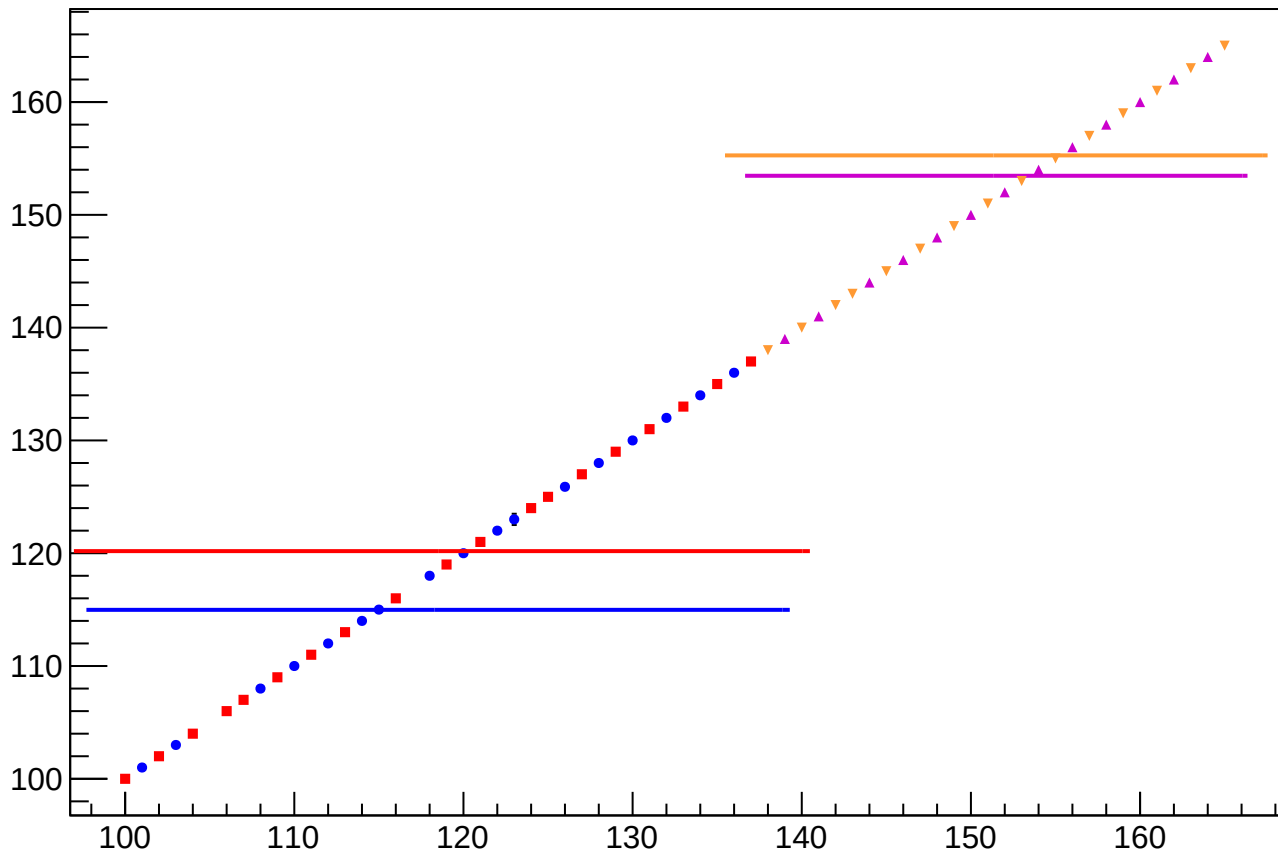
Right: 5828.993+/-0.111 χ^2/NDF : 2154118.4/30

In: 6451.415+/-0.116 χ^2/NDF : 25955107.6/27

Out: 6200.907+/-0.116 χ^2/NDF : 19370255.1/30

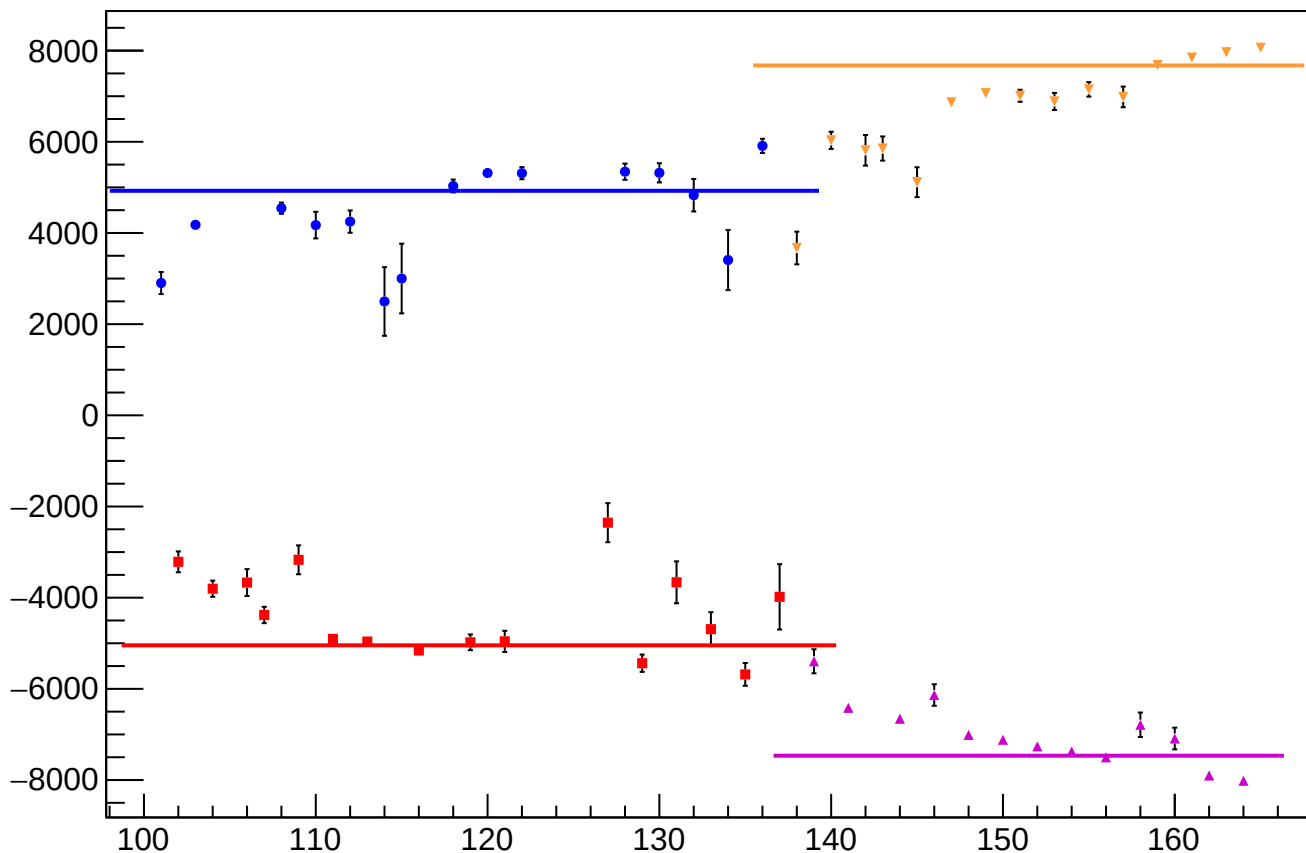
All: 6325.394+/-0.082 χ^2/NDF : 47658033.5/50

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000 χ^2/NDF : 112344936246012934714934440230912.0/16
 Left Out: 155.271+/-0.000 χ^2/NDF : 47632381057160858741266016370688.0/14
 Right Out: 120.186+/-0.000 χ^2/NDF : 52233253644261695528198041763840.0/18
 Left In: 153.465+/-0.000 χ^2/NDF : 22504890233625262737240130322432.0/12
 All: 130.416+/-0.000 χ^2/NDF : 148536159483

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305±/0.939 χ^2 /NDF: 330994.6/14

Left Out: 7674.853±/0.746 χ^2 /NDF:261907.1/14

Right Out: -5045.221±/0.668 χ^2 /NDF: 30179.9/15

Left In: -7466.308±/0.641 χ^2 /NDF:319985.8/12

Left: -1037.522±/0.486 χ^2 /NDF: 237854186.8/27

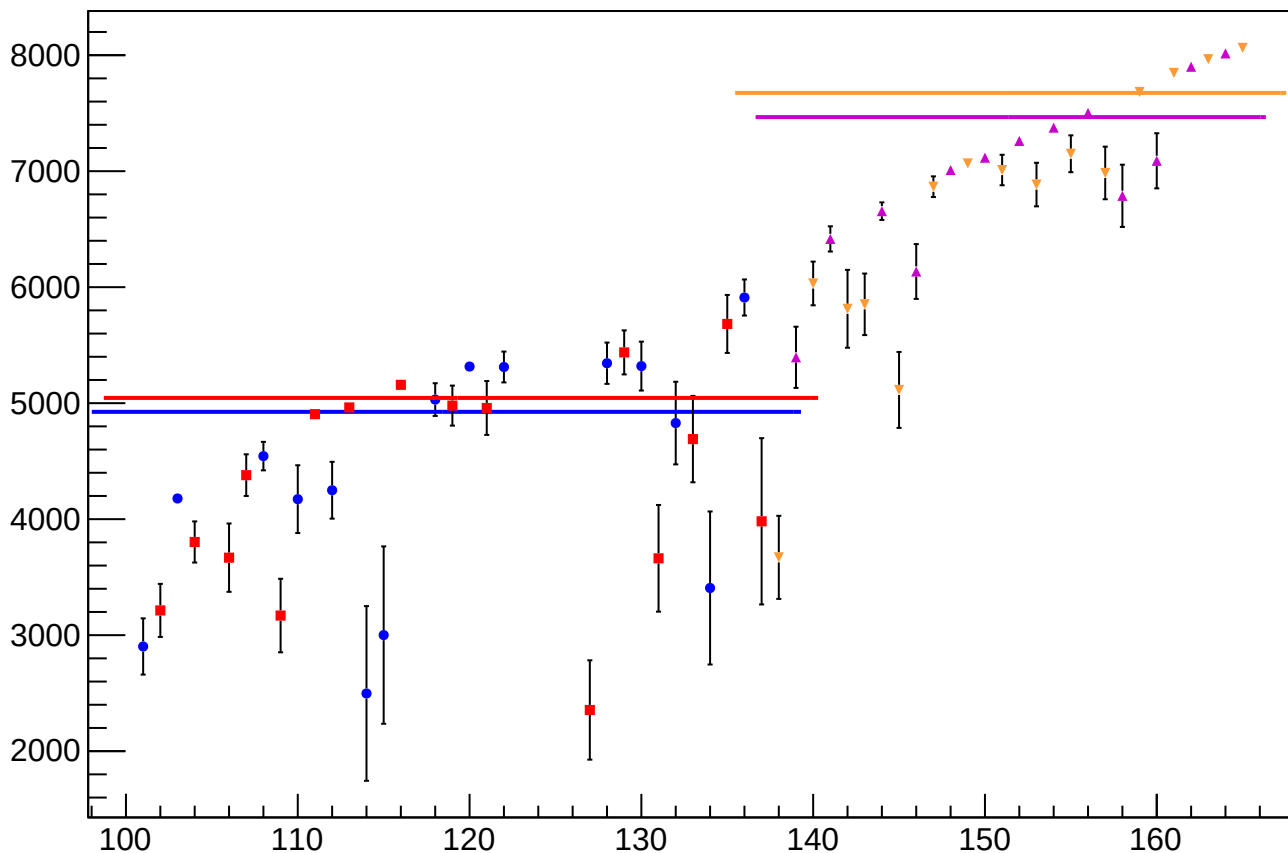
Right: -1694.510±/0.544 χ^2 /NDF: 75266282.5/30

In: -3529.822±/0.529 χ^2 /NDF:119554710.3/27

Out: 616.860±/0.497 χ^2 /NDF:161773345.8/30

All: -1328.941±/0.362 χ^2 /NDF: 313931534.5

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305 $\pm$ 0.939 χ^2 /NDF: 330994.6/14

Left Out: 7674.853 $\pm$ 0.746 χ^2 /NDF: 261907.1/14

Right Out: 5045.221 $\pm$ 0.668 χ^2 /NDF: 30179.9/15

Left In: 7466.308 $\pm$ 0.641 χ^2 /NDF: 319985.8/12

Left: 7554.855 $\pm$ 0.486 χ^2 /NDF: 626904.8/27

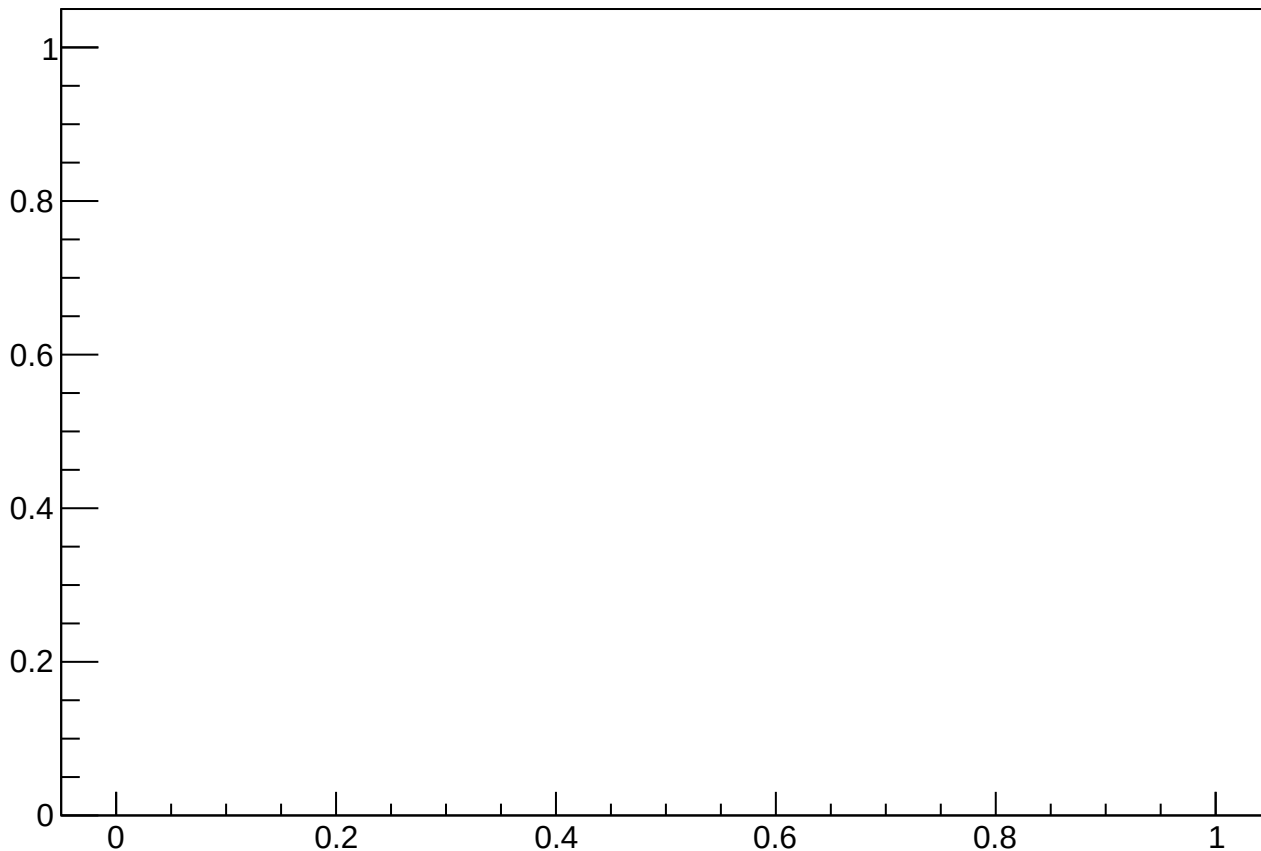
Right: 5004.922 $\pm$ 0.544 χ^2 /NDF: 372009.4/30

In: 6659.099 $\pm$ 0.529 χ^2 /NDF: 5650751.3/27

Out: 6215.748 $\pm$ 0.497 χ^2 /NDF: 7193417.2/30

All: 6423.788 $\pm$ 0.362 χ^2 /NDF: 13216867.5/55

dit_scandata1_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

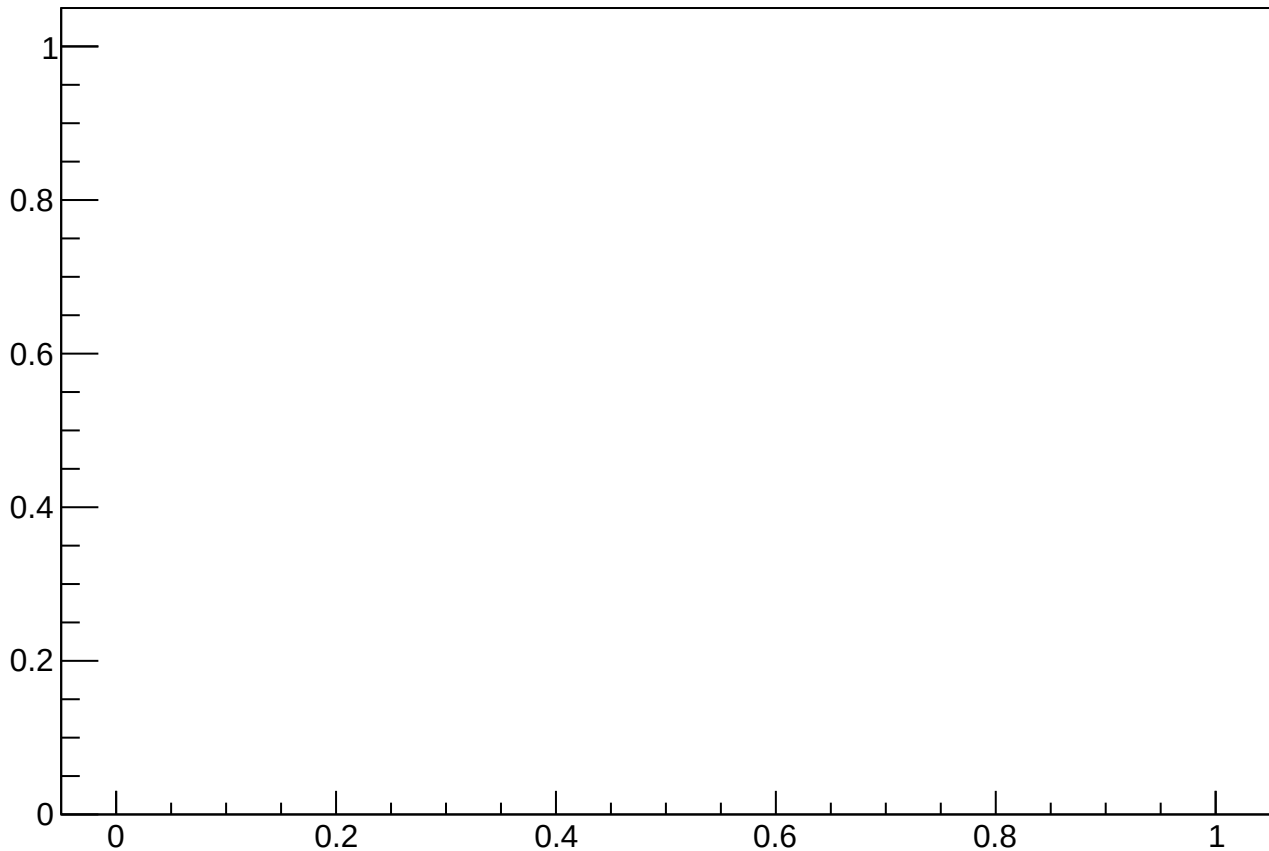
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata1_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

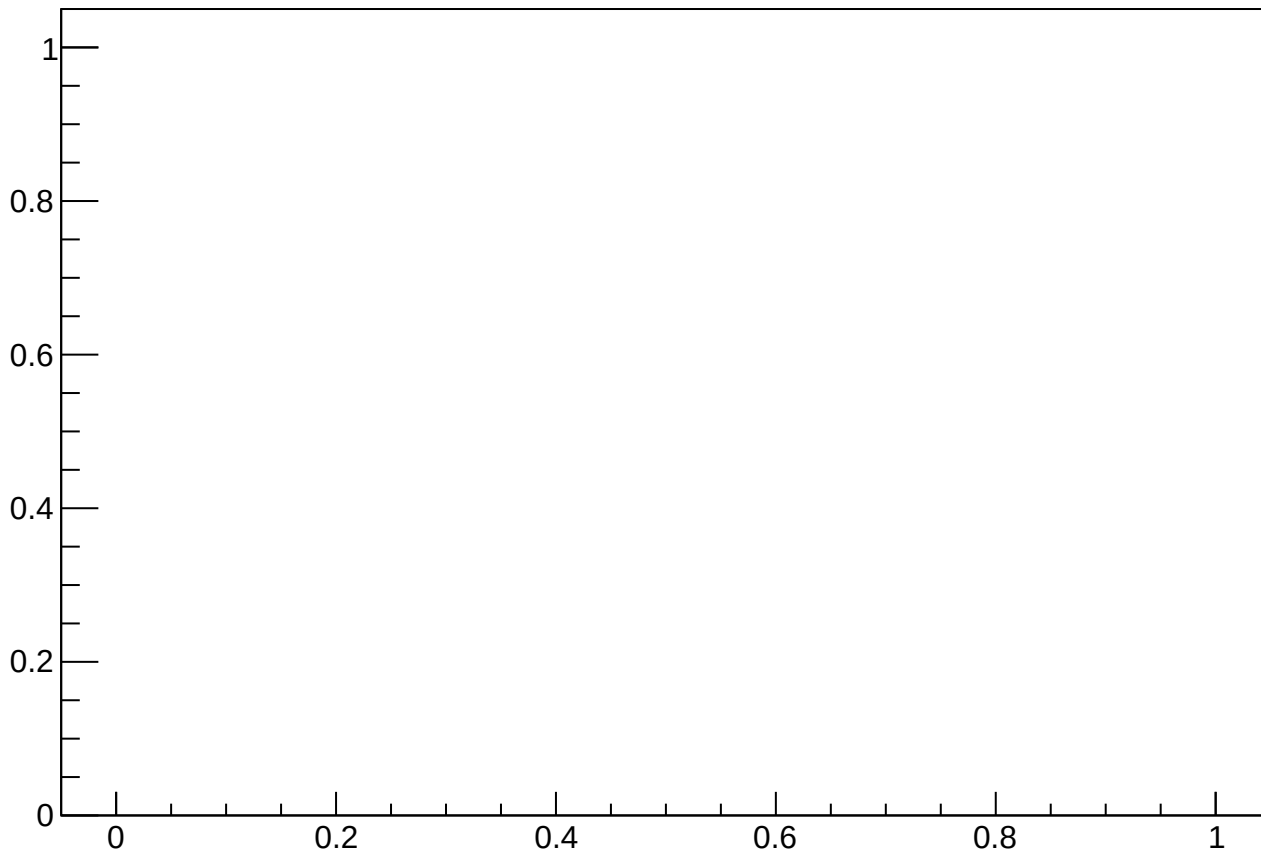
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

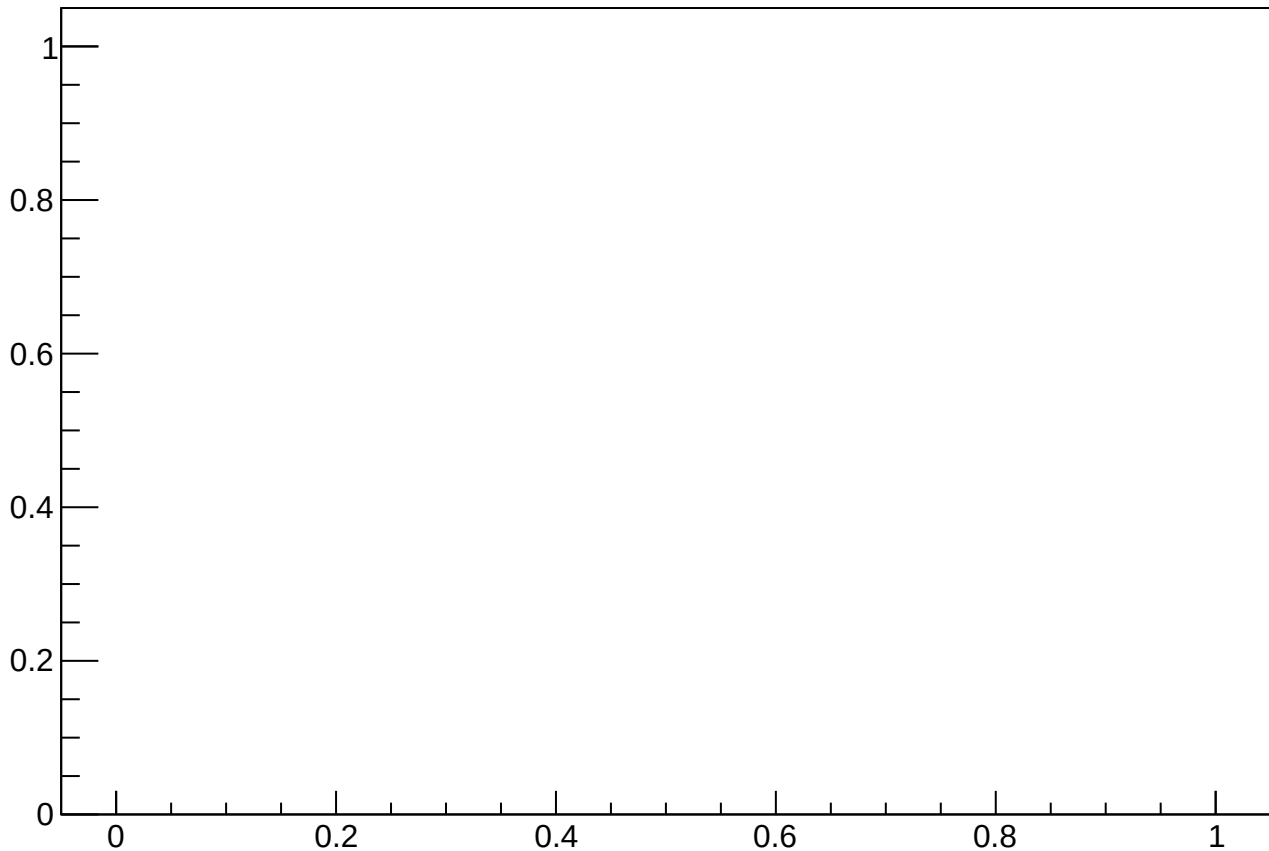
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

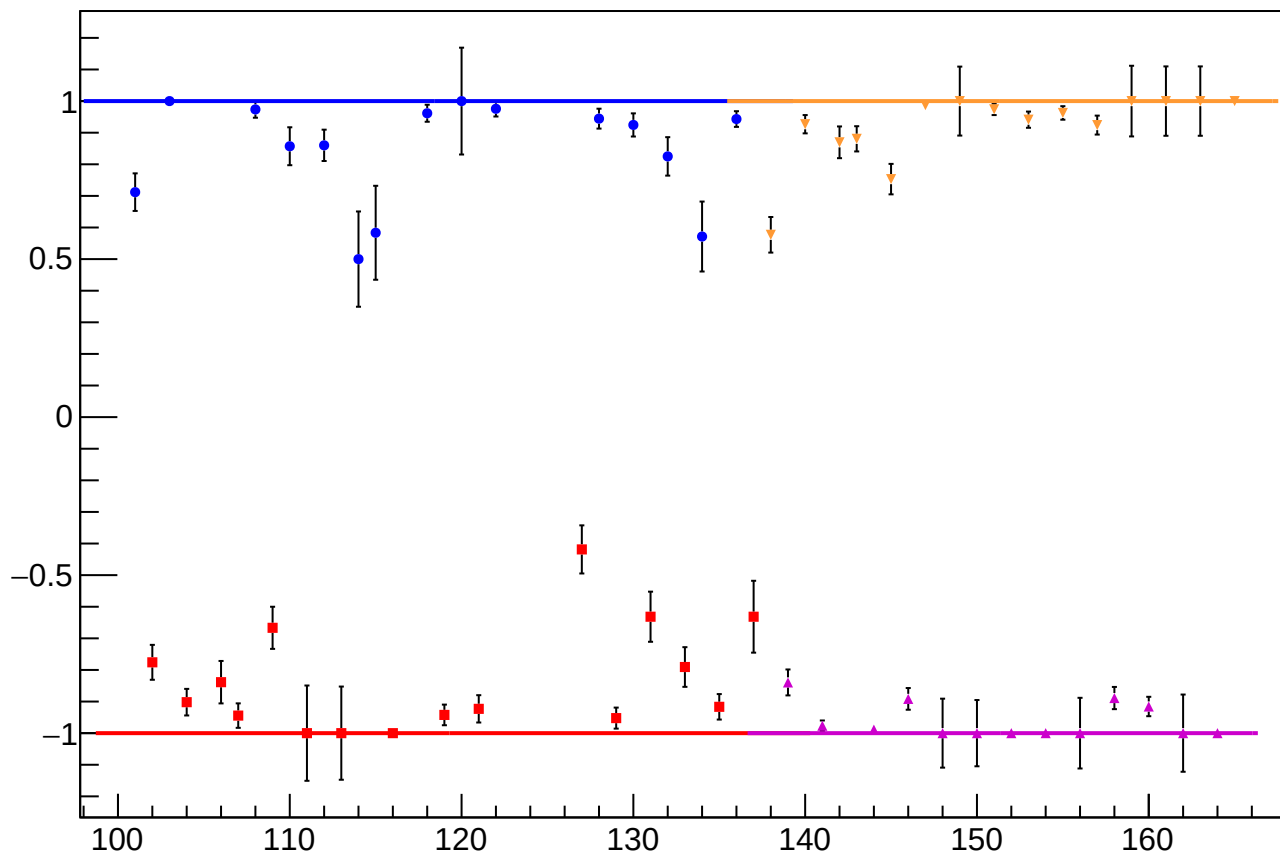
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

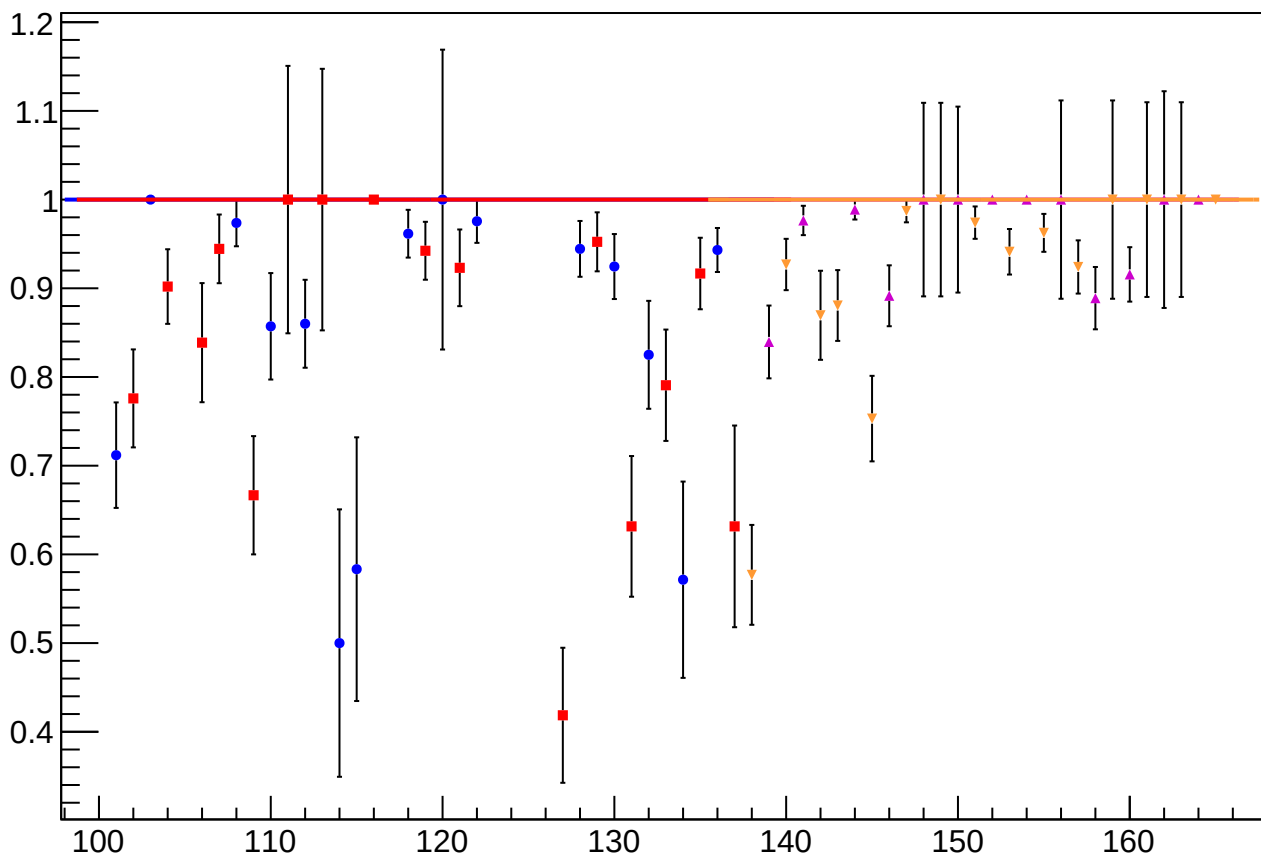
Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_flag_mean vs Slug, Sign Corrected



dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF : 95.9/14

Left Out: 1.000+/-0.000 χ^2/NDF :122.6/14

Right Out: 1.000+/-0.000 χ^2/NDF : 168.9/15

Left In: 1.000+/-0.000 χ^2/NDF :278.8/12

Left: 1.000+/-0.000 χ^2/NDF : 1574.4/27

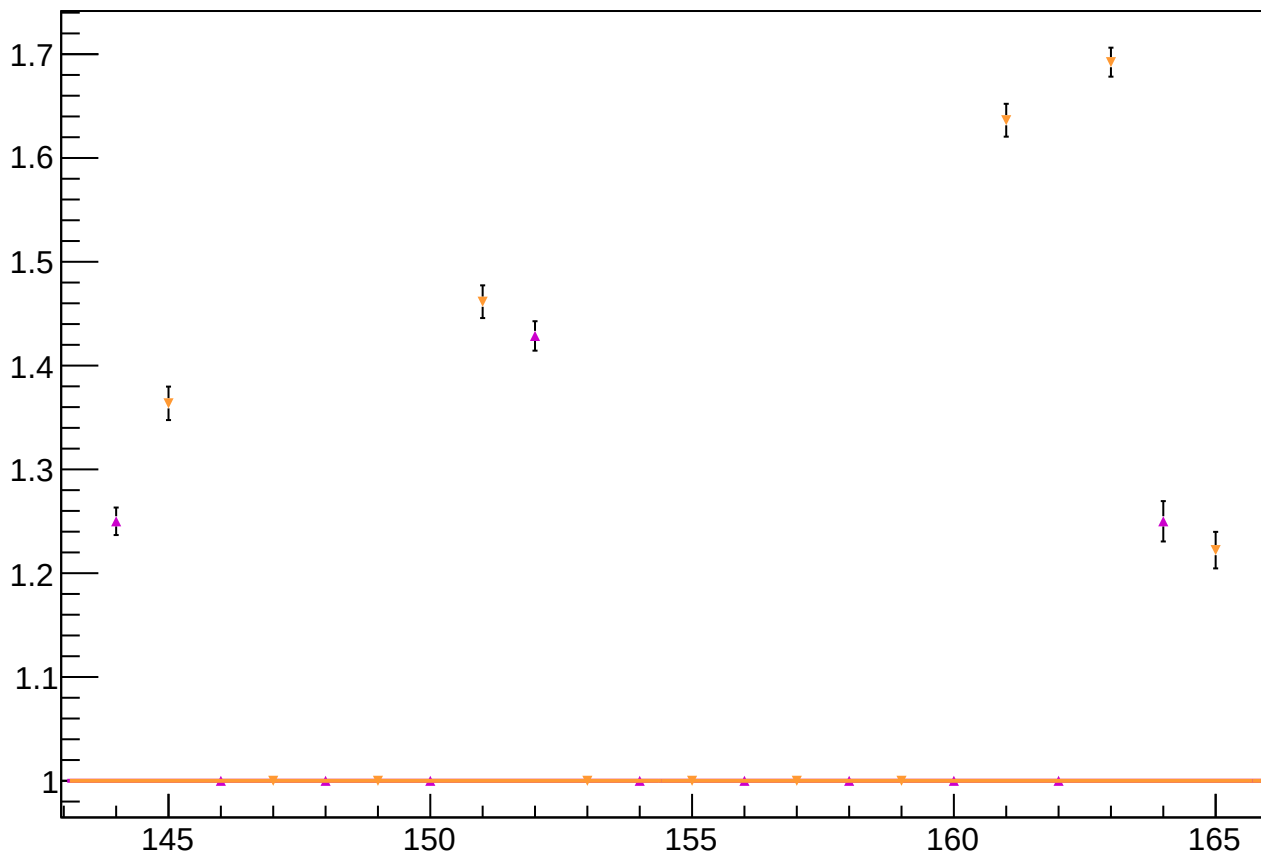
Right: 1.000+/-0.000 χ^2/NDF : 347.8/30

In: 1.000+/-0.000 χ^2/NDF :1016.7/27

Out: 1.000+/-0.000 χ^2/NDF :822.4/30

All: 1.000+/-0.000 χ^2/NDF : 808.2/58

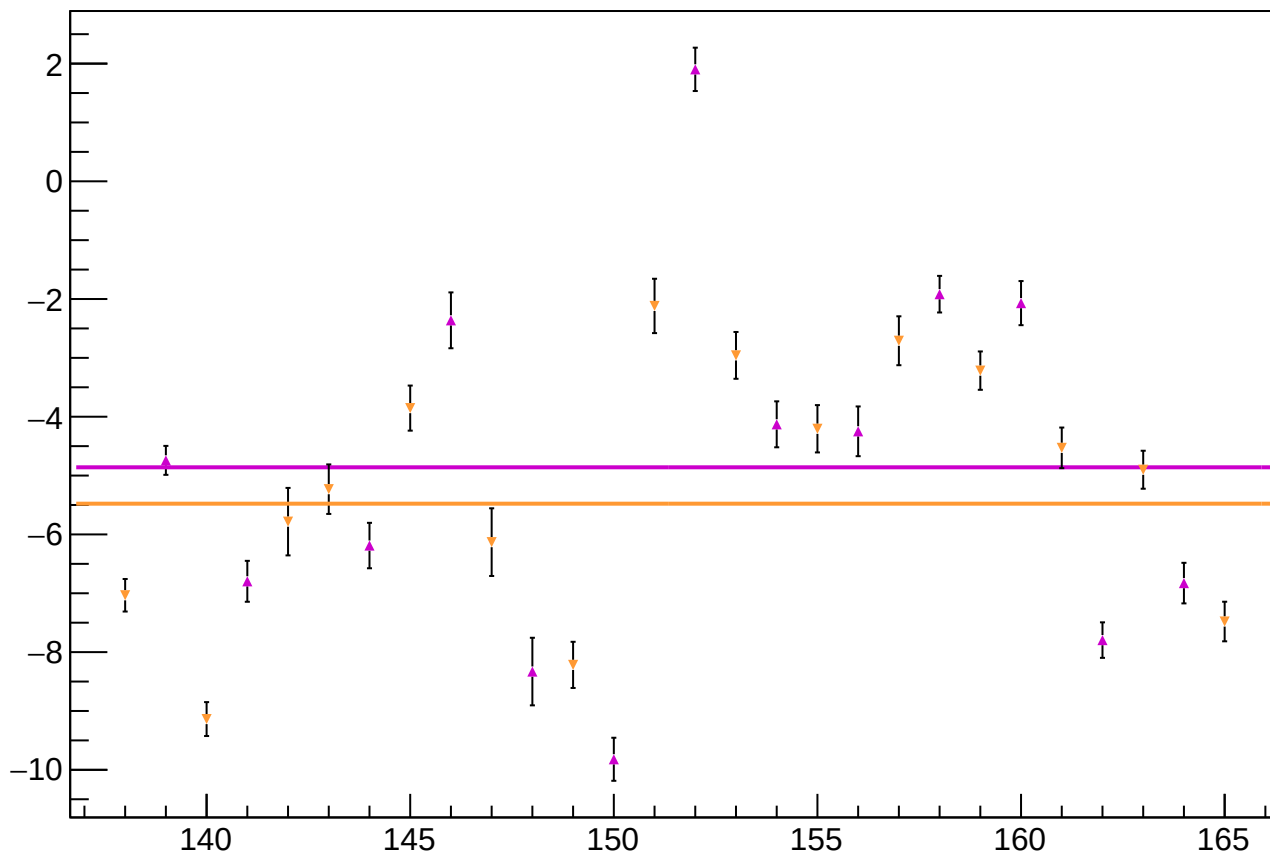
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF : 6895.0/10
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF : 2095.8/10

Left: 1.000+/-0.000 χ^2/NDF : 8183.4/21
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF : 2095.8/10
Out: 1.000+/-0.000 χ^2/NDF : 6895.0/10
All: 1.000+/-0.000 χ^2/NDF : 8183.4/21

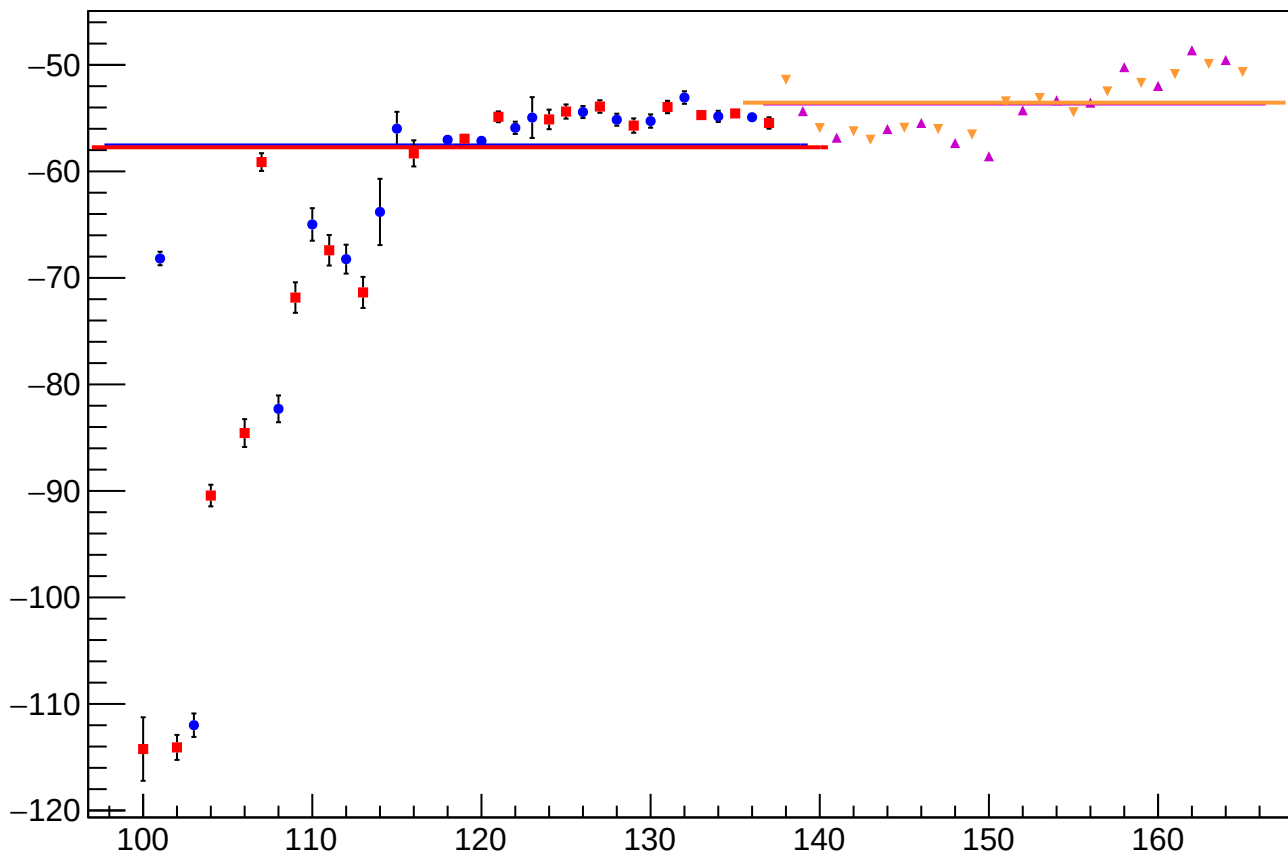
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -5.478 ± 0.096 χ^2/NDF : 503.5/14
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -4.860 ± 0.099 χ^2/NDF : 906.2/12

Left: -5.178 ± 0.069 χ^2/NDF : 1429.9/27
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -4.860 ± 0.099 χ^2/NDF : 906.2/12
 Out: -5.478 ± 0.096 χ^2/NDF : 503.5/14
 All: -5.178 ± 0.069 χ^2/NDF : 1429.9/27

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.563+/-0.141 χ^2/NDF : 3455.9/16

Left Out: -53.546+/-0.071 χ^2/NDF : 1135.0/14

Right Out: -57.736+/-0.143 χ^2/NDF : 4698.4/18

Left In: -53.627+/-0.075 χ^2/NDF : 1761.7/12

Left: -53.584+/-0.052 χ^2/NDF : 2897.3/27

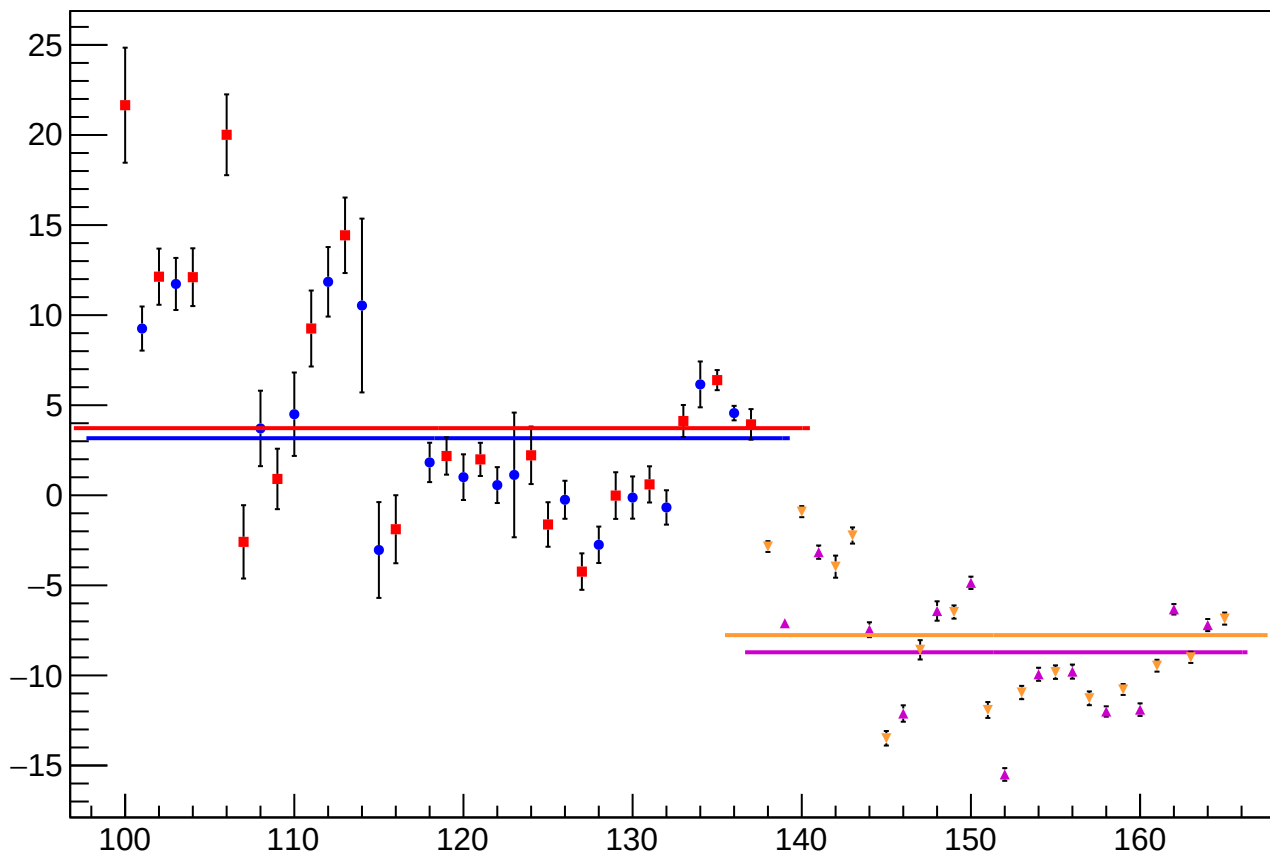
Right: -57.649+/-0.101 χ^2/NDF : 8155.1/35

In: -54.491+/-0.066 χ^2/NDF : 5822.0/29

Out: -54.374+/-0.064 χ^2/NDF : 6522.2/33

All: -54.430+/-0.046 χ^2/NDF : 12345.8/63

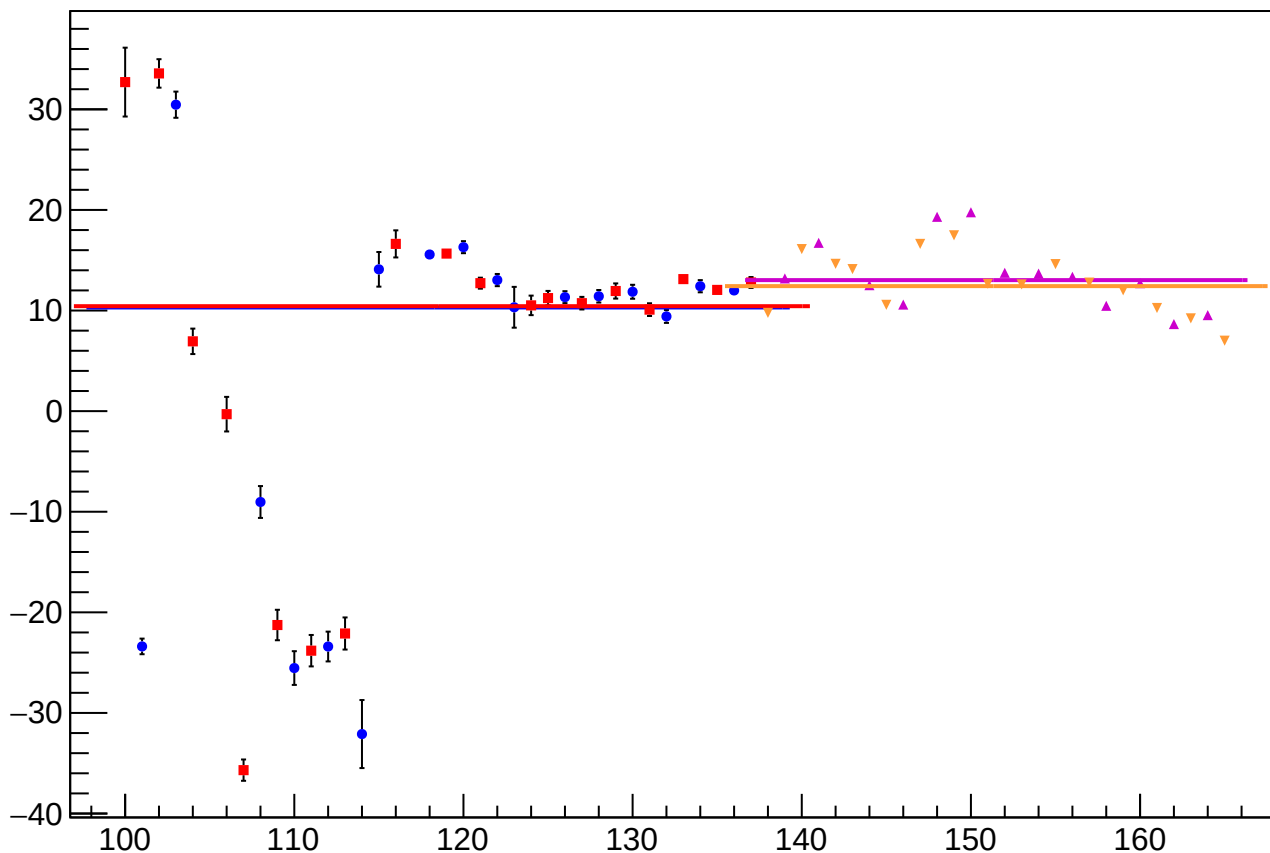
reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.168+/-0.258 χ^2/NDF : 186.2/16
 Left Out: -7.763+/-0.094 χ^2/NDF :1598.6/14
 Right Out: 3.726+/-0.267 χ^2/NDF : 323.3/18
 Left In: -8.715+/-0.097 χ^2/NDF :1164.1/12

Left: -8.229+/-0.067 χ^2/NDF : 2812.5/27
 Right: 3.437+/-0.185 χ^2/NDF : 511.7/35
 In: -7.254+/-0.090 χ^2/NDF :3214.7/29
 Out: -6.487+/-0.089 χ^2/NDF :3566.7/33
 All: -6.864+/-0.063 χ^2/NDF : 6817.9/63

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.306+/-0.157 χ^2/NDF : 3712.3/16

Left Out: 12.427+/-0.081 χ^2/NDF :1270.1/14

Right Out: 10.433+/-0.160 χ^2/NDF : 3828.5/18

Left In: 13.024+/-0.085 χ^2/NDF :1564.8/12

Left: 12.712+/-0.058 χ^2/NDF : 2860.9/27

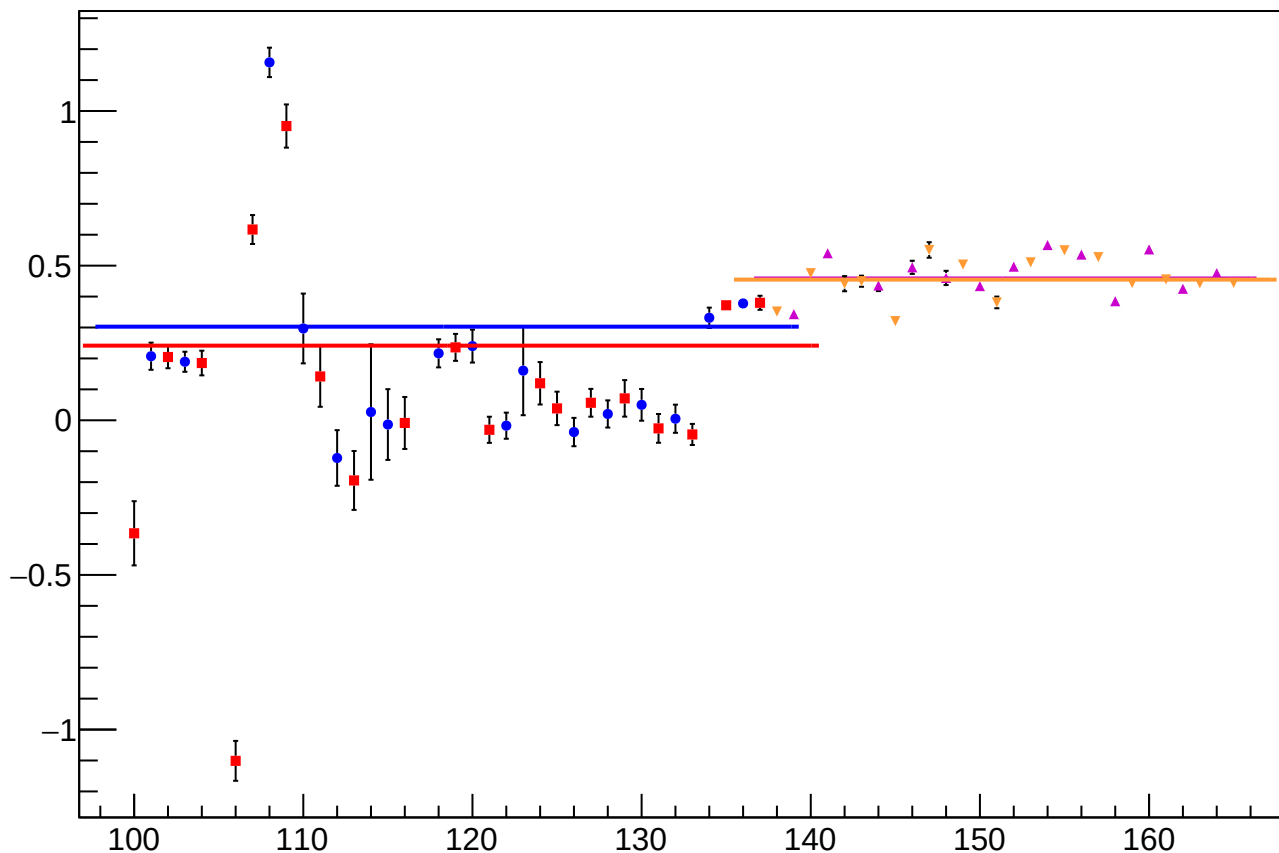
Right: 10.368+/-0.112 χ^2/NDF : 7541.1/35

In: 12.410+/-0.075 χ^2/NDF :5509.8/29

Out: 12.021+/-0.072 χ^2/NDF :5222.5/33

All: 12.209+/-0.052 χ^2/NDF : 10746.3/63

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.6/16

Left Out: 0.455 $\pm$ 0.004 χ^2 /NDF:299.7/14

Right Out: 0.241 $\pm$ 0.008 χ^2 /NDF: 986.7/18

Left In: 0.459 $\pm$ 0.004 χ^2 /NDF:418.8/12

Left: 0.457 $\pm$ 0.003 χ^2 /NDF: 719.0/27

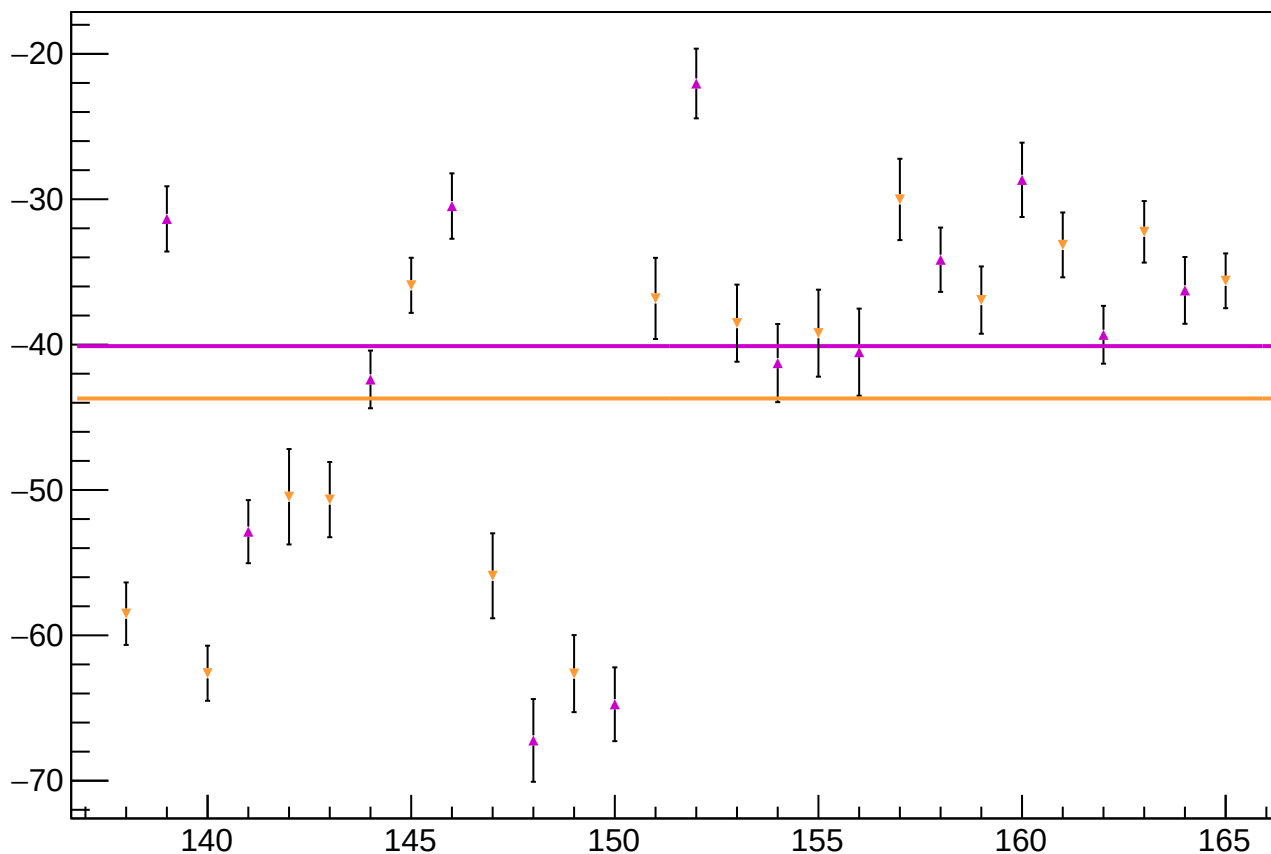
Right: 0.273 $\pm$ 0.006 χ^2 /NDF: 1660.4/35

In: 0.432 $\pm$ 0.003 χ^2 /NDF:1365.9/29

Out: 0.421 $\pm$ 0.003 χ^2 /NDF:1819.8/33

All: 0.427 $\pm$ 0.002 χ^2 /NDF: 3190.8/63

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -43.705+/-0.611 χ^2/NDF :358.5/14

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

Left In: -40.103+/-0.650 χ^2/NDF :341.6/12

Left: -42.016+/-0.445 χ^2/NDF : 716.3/27

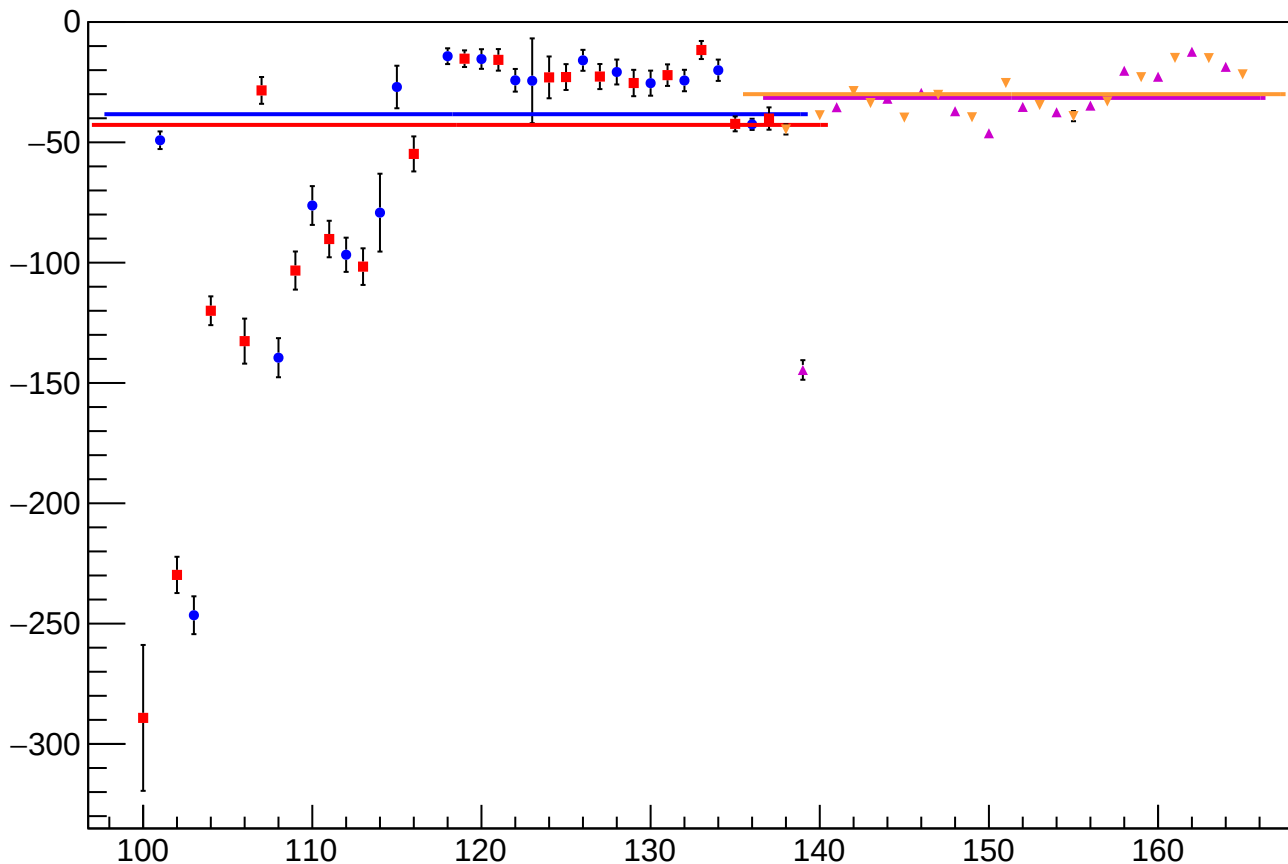
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.103+/-0.650 χ^2/NDF :341.6/12

Out: -43.705+/-0.611 χ^2/NDF :358.5/14

All: -42.016+/-0.445 χ^2/NDF : 716.3/27

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: -29.982 ± 0.438 $\chi^2/\text{NDF}: 418.7/14$

Right Out: -42.756 ± 1.211 $\chi^2/\text{NDF}: 1341.6/18$

Left In: -31.532 ± 0.464 $\chi^2/\text{NDF}: 1160.1/12$

Left: -30.713 ± 0.318 $\chi^2/\text{NDF}: 1584.7/27$

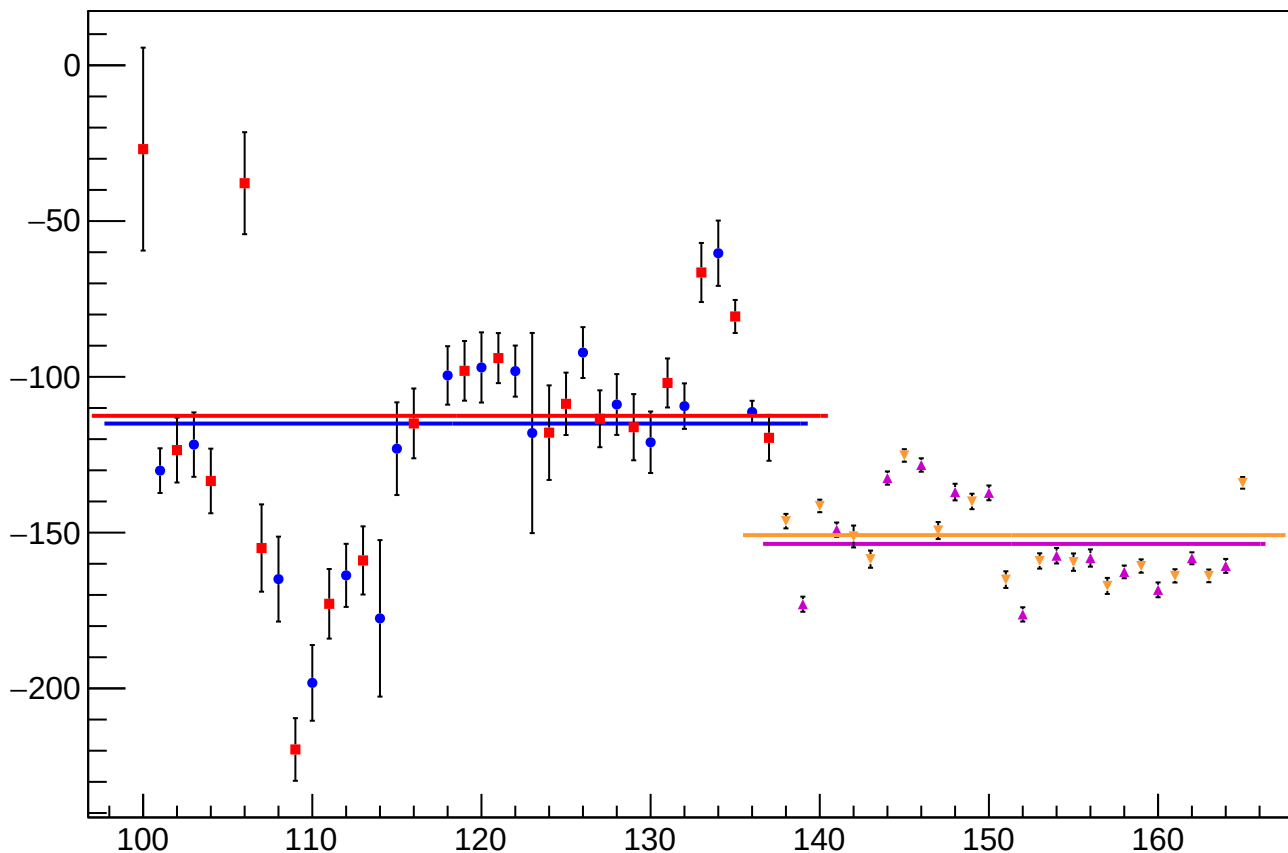
Right: -40.393 ± 0.829 $\chi^2/\text{NDF}: 2481.4/35$

In: -32.498 ± 0.429 $\chi^2/\text{NDF}: 2323.2/29$

Out: -31.459 ± 0.412 $\chi^2/\text{NDF}: 1858.7/33$

All: -31.957 ± 0.297 $\chi^2/\text{NDF}: 4185.0/63$

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: -150.803 ± 0.605 $\chi^2/\text{NDF}: 483.0/14$

Right Out: -112.510 ± 2.207 $\chi^2/\text{NDF}: 273.1/18$

Left In: -153.616 ± 0.635 $\chi^2/\text{NDF}: 566.4/12$

Left: -152.142 ± 0.438 $\chi^2/\text{NDF}: 1059.7/27$

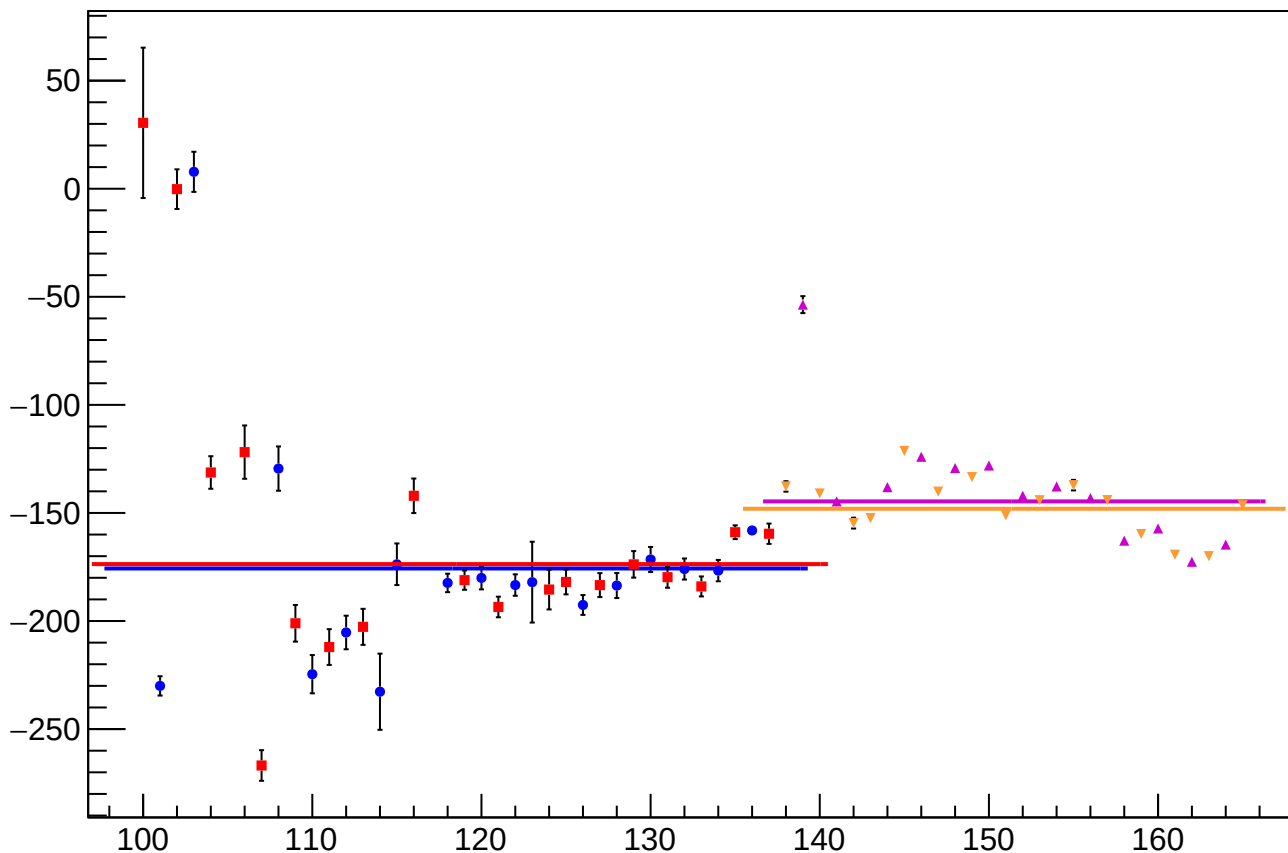
Right: -113.831 ± 1.511 $\chi^2/\text{NDF}: 415.6/35$

In: -150.302 ± 0.607 $\chi^2/\text{NDF}: 1025.7/29$

Out: -148.125 ± 0.584 $\chi^2/\text{NDF}: 1036.2/33$

All: -149.170 ± 0.421 $\chi^2/\text{NDF}: 2068.6/63$

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: -148.069 ± 0.506 $\chi^2/\text{NDF}: 751.1/14$

Right Out: -173.666 ± 1.356 $\chi^2/\text{NDF}: 737.7/18$

Left In: -144.660 ± 0.536 $\chi^2/\text{NDF}: 1396.4/12$

Left: -146.463 ± 0.368 $\chi^2/\text{NDF}: 2168.9/27$

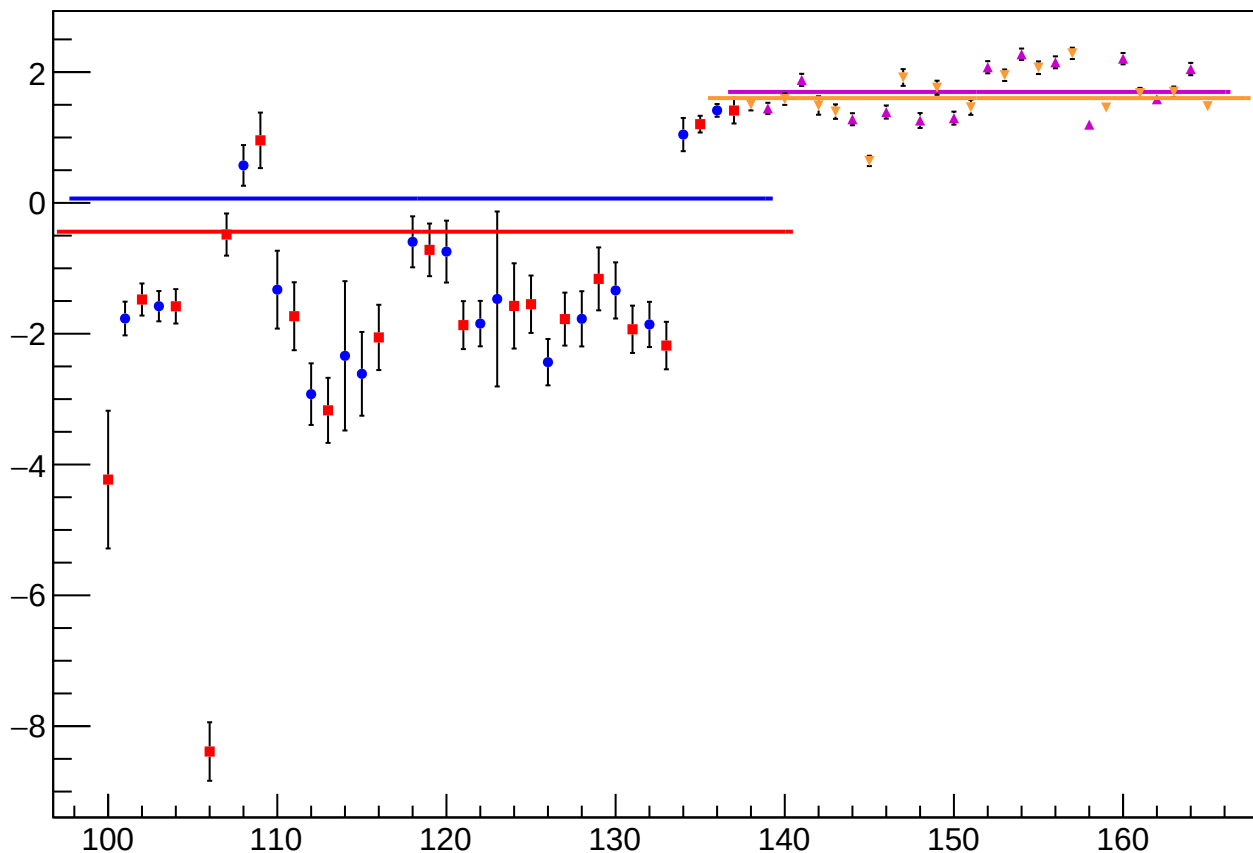
Right: -174.749 ± 0.926 $\chi^2/\text{NDF}: 1431.8/35$

In: -149.373 ± 0.494 $\chi^2/\text{NDF}: 2597.8/29$

Out: -151.203 ± 0.474 $\chi^2/\text{NDF}: 1801.6/33$

All: -150.325 ± 0.342 $\chi^2/\text{NDF}: 4406.5/63$

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 ± 0.067 χ^2/NDF : 526.1/16

Left Out: 1.602 ± 0.024 χ^2/NDF : 271.8/14

Right Out: -0.440 ± 0.071 χ^2/NDF : 754.9/18

Left In: 1.697 ± 0.025 χ^2/NDF : 254.1/12

Left: 1.647 ± 0.017 χ^2/NDF : 533.5/27

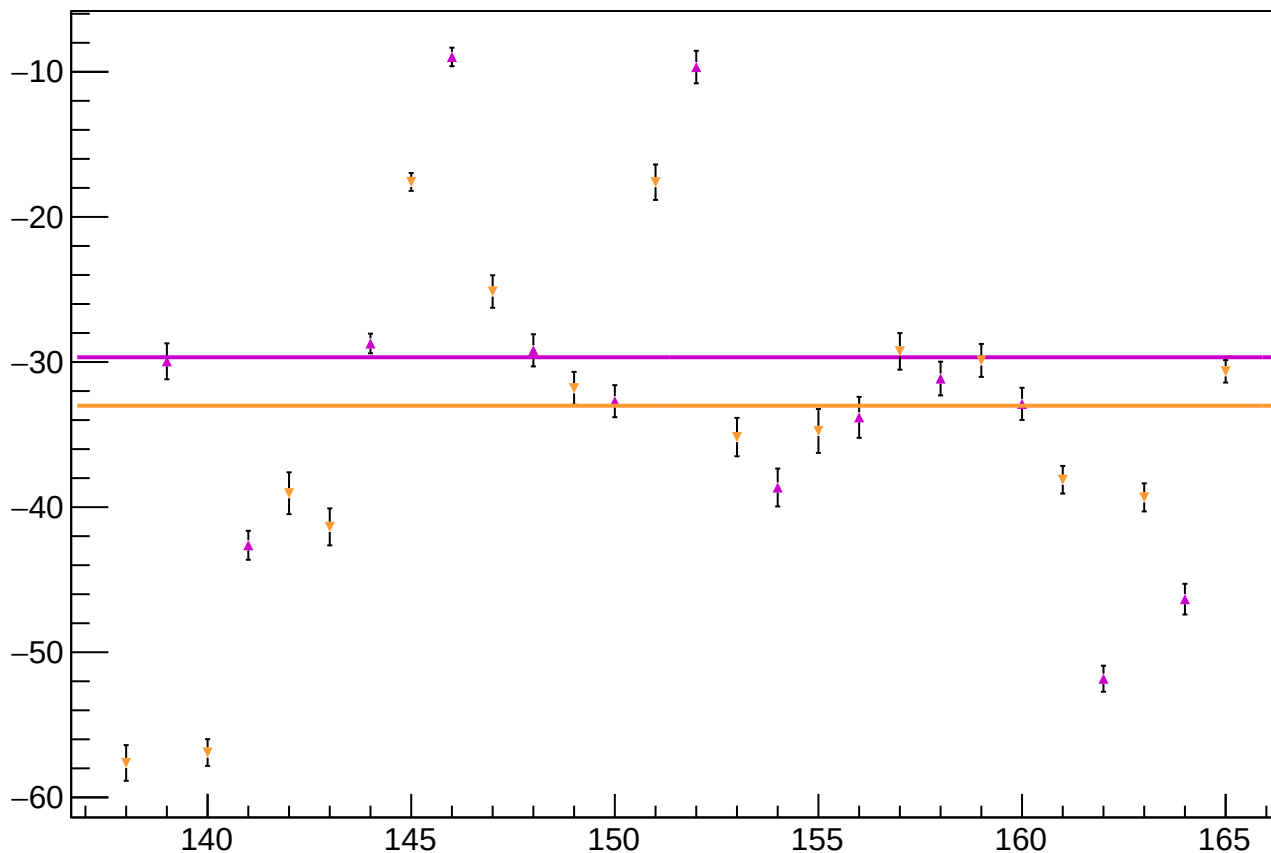
Right: -0.172 ± 0.049 χ^2/NDF : 1308.0/35

In: 1.499 ± 0.023 χ^2/NDF : 1300.8/29

Out: 1.398 ± 0.023 χ^2/NDF : 1769.2/33

All: 1.447 ± 0.016 χ^2/NDF : 3079.8/63

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -33.009 ± 0.267 χ^2/NDF : 2067.6/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -29.669 ± 0.272 χ^2/NDF : 2470.2/12

Left: -31.374 ± 0.190 χ^2/NDF : 4614.7/27

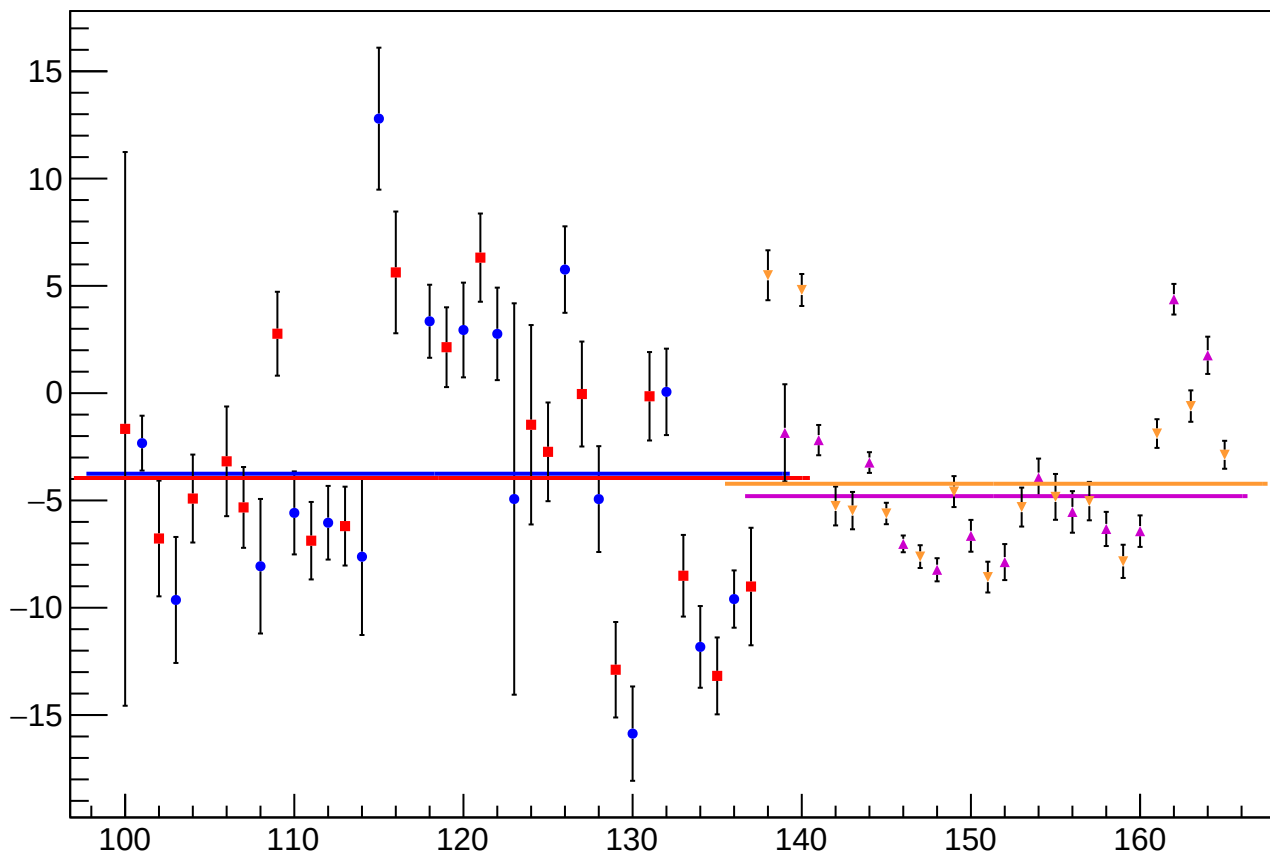
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -29.669 ± 0.272 χ^2/NDF : 2470.2/12

Out: -33.009 ± 0.267 χ^2/NDF : 2067.6/14

All: -31.374 ± 0.190 χ^2/NDF : 4614.7/27

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.754 ± 0.495 χ^2/NDF : 165.3/16

Left Out: -4.222 ± 0.189 χ^2/NDF : 370.9/14

Right Out: -3.954 ± 0.507 χ^2/NDF : 123.3/18

Left In: -4.799 ± 0.186 χ^2/NDF : 351.1/12

Left: -4.515 ± 0.133 χ^2/NDF : 726.7/27

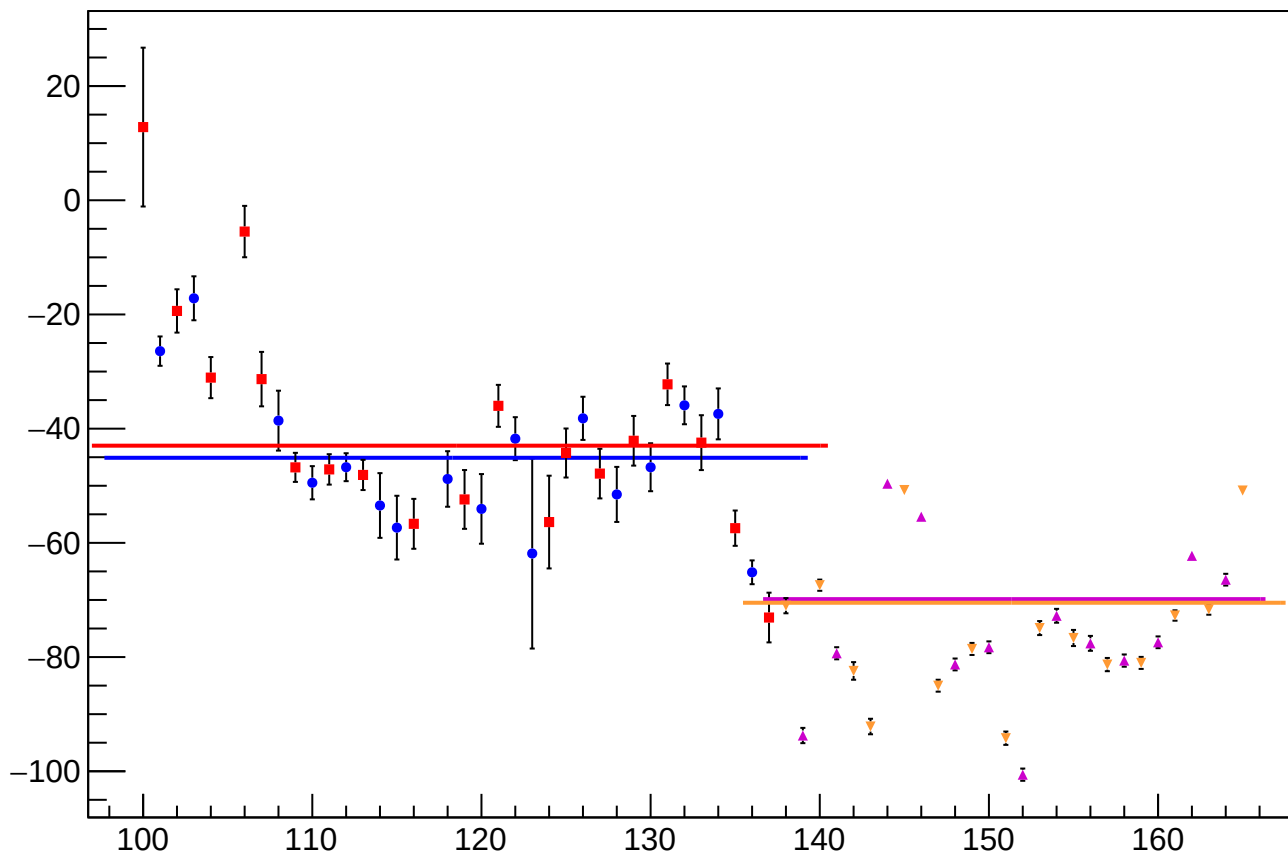
Right: -3.852 ± 0.354 χ^2/NDF : 288.7/35

In: -4.669 ± 0.174 χ^2/NDF : 520.3/29

Out: -4.190 ± 0.177 χ^2/NDF : 494.4/33

All: -4.433 ± 0.124 χ^2/NDF : 1018.5/63

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected

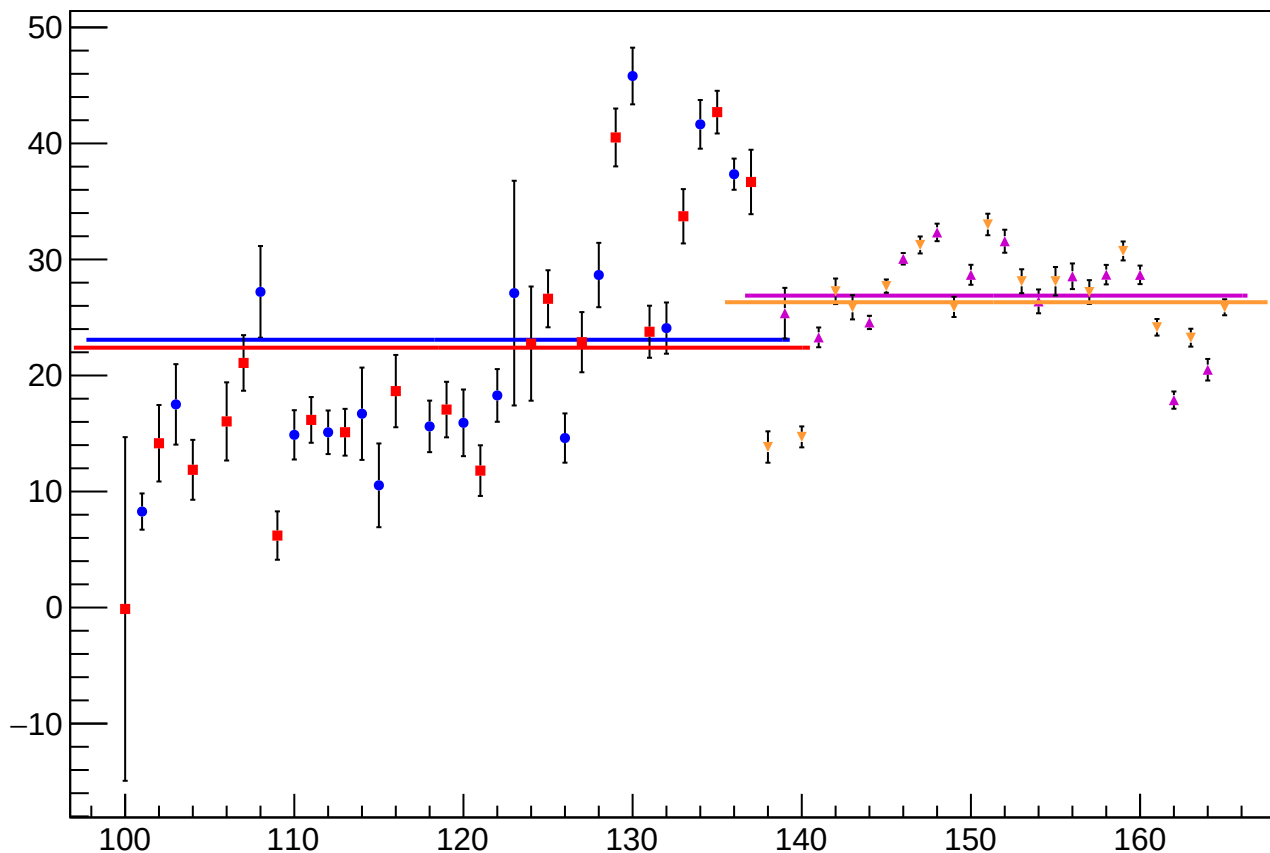


Right In: -45.101 ± 0.881 $\chi^2/\text{NDF}: 229.9/16$
 Left Out: -70.488 ± 0.265 $\chi^2/\text{NDF}: 2776.3/14$
 Right Out: -42.979 ± 0.877 $\chi^2/\text{NDF}: 248.9/18$
 Left In: -69.854 ± 0.266 $\chi^2/\text{NDF}: 3018.2/12$

Left: -70.173 ± 0.188 $\chi^2/\text{NDF}: 5797.3/27$
 Right: -44.036 ± 0.622 $\chi^2/\text{NDF}: 481.6/35$
 In: -67.778 ± 0.255 $\chi^2/\text{NDF}: 3971.5/29$
 Out: -68.195 ± 0.253 $\chi^2/\text{NDF}: 3926.3/33$

All: -67.988 ± 0.180 $\chi^2/\text{NDF}: 7899.2/63$

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.079+/-0.556 χ^2/NDF : 461.1/16

Left Out: 26.315+/-0.220 χ^2/NDF : 415.5/14

Right Out: 22.397+/-0.572 χ^2/NDF : 370.3/18

Left In: 26.884+/-0.221 χ^2/NDF : 360.5/12

Left: 26.599+/-0.156 χ^2/NDF : 779.3/27

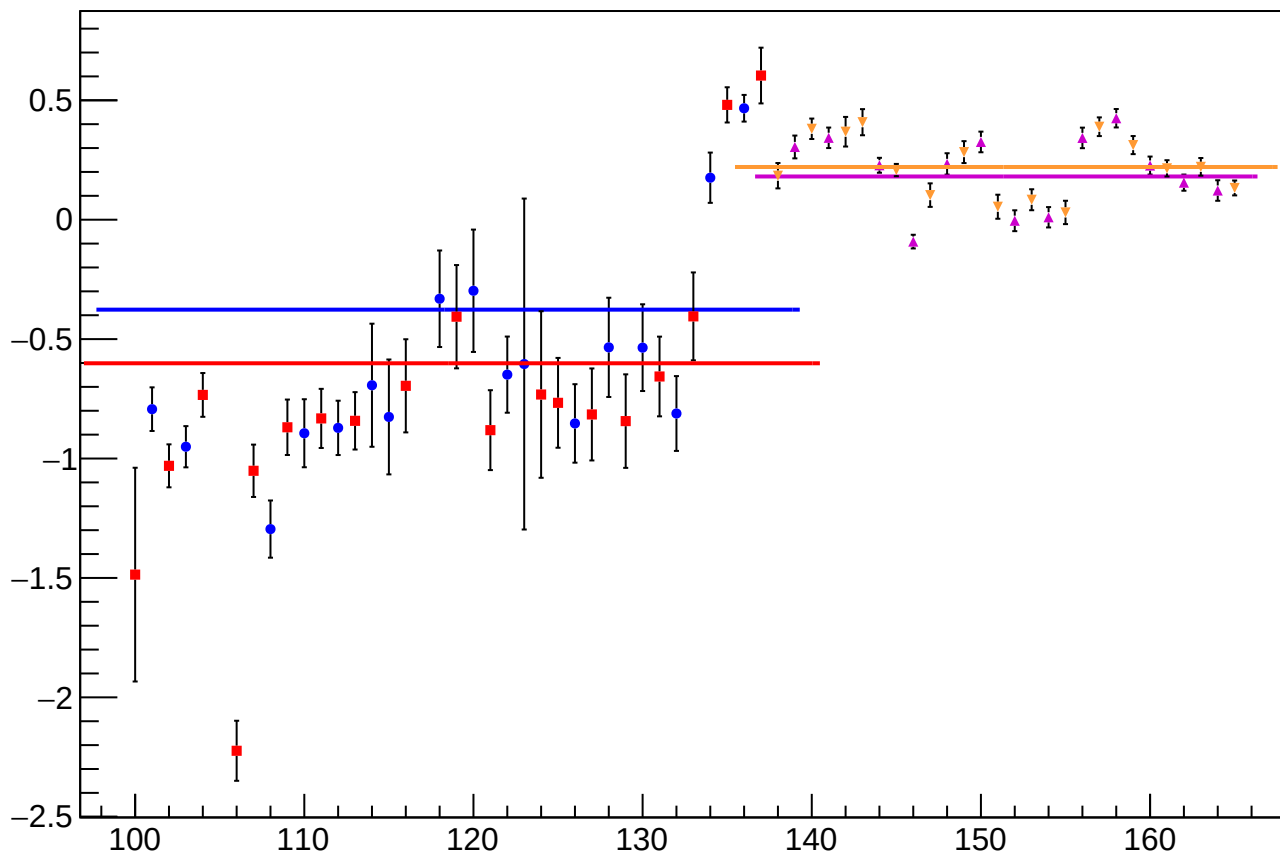
Right: 22.748+/-0.399 χ^2/NDF : 832.1/35

In: 26.366+/-0.205 χ^2/NDF : 862.1/29

Out: 25.810+/-0.205 χ^2/NDF : 826.6/33

All: 26.089+/-0.145 χ^2/NDF : 1692.3/63

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 χ^2/NDF : 437.1/16

Left Out: 0.221 ± 0.010 χ^2/NDF : 107.9/14

Right Out: -0.601 ± 0.030 χ^2/NDF : 555.6/18

Left In: 0.181 ± 0.011 χ^2/NDF : 218.3/12

Left: 0.201 ± 0.007 χ^2/NDF : 333.3/27

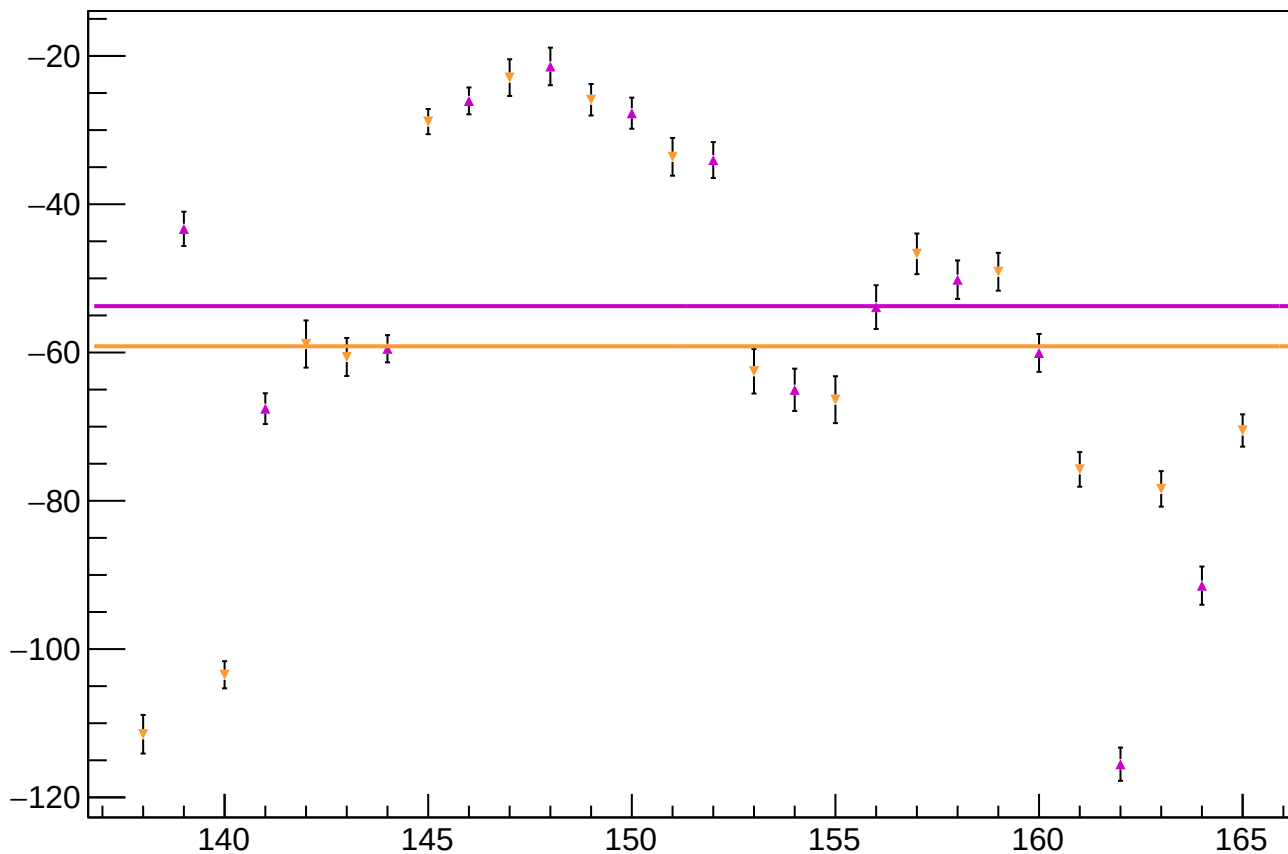
Right: -0.489 ± 0.021 χ^2/NDF : 1020.5/35

In: 0.118 ± 0.010 χ^2/NDF : 960.4/29

Out: 0.133 ± 0.010 χ^2/NDF : 1326.3/33

All: 0.126 ± 0.007 χ^2/NDF : 2287.9/63

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -59.158+/-0.614 χ^2/NDF :2052.6/14

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

Left In: -53.745+/-0.637 χ^2/NDF :1690.5/12

Left: -56.549+/-0.442 χ^2/NDF : 3780.5/27

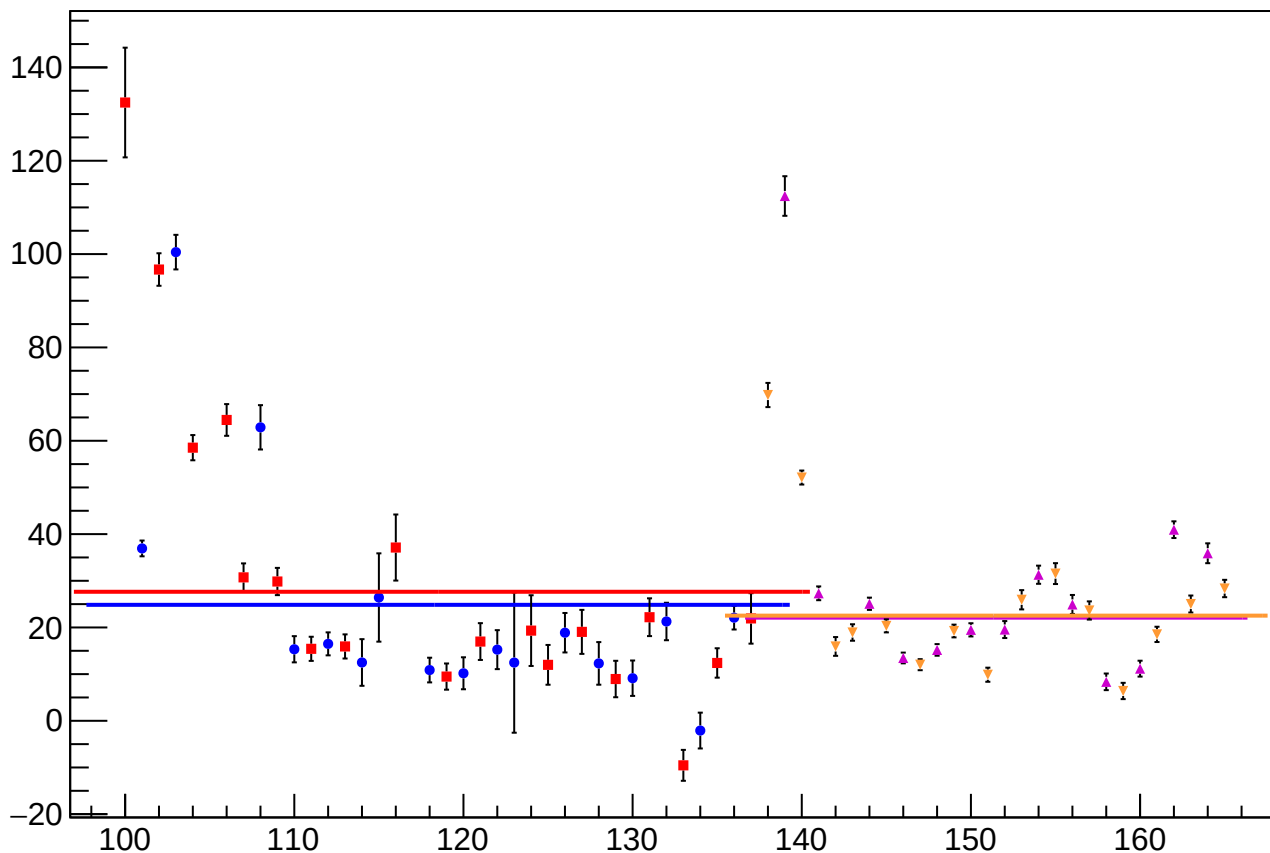
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.745+/-0.637 χ^2/NDF :1690.5/12

Out: -59.158+/-0.614 χ^2/NDF :2052.6/14

All: -56.549+/-0.442 χ^2/NDF : 3780.5/27

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: 22.534 $\pm$ 0.432 χ^2 /NDF:1016.6/14

Right Out: 27.648 $\pm$ 0.810 χ^2 /NDF: 1009.2/18

Left In: 22.103 $\pm$ 0.447 χ^2 /NDF:842.0/12

Left: 22.326 $\pm$ 0.311 χ^2 /NDF: 1859.0/27

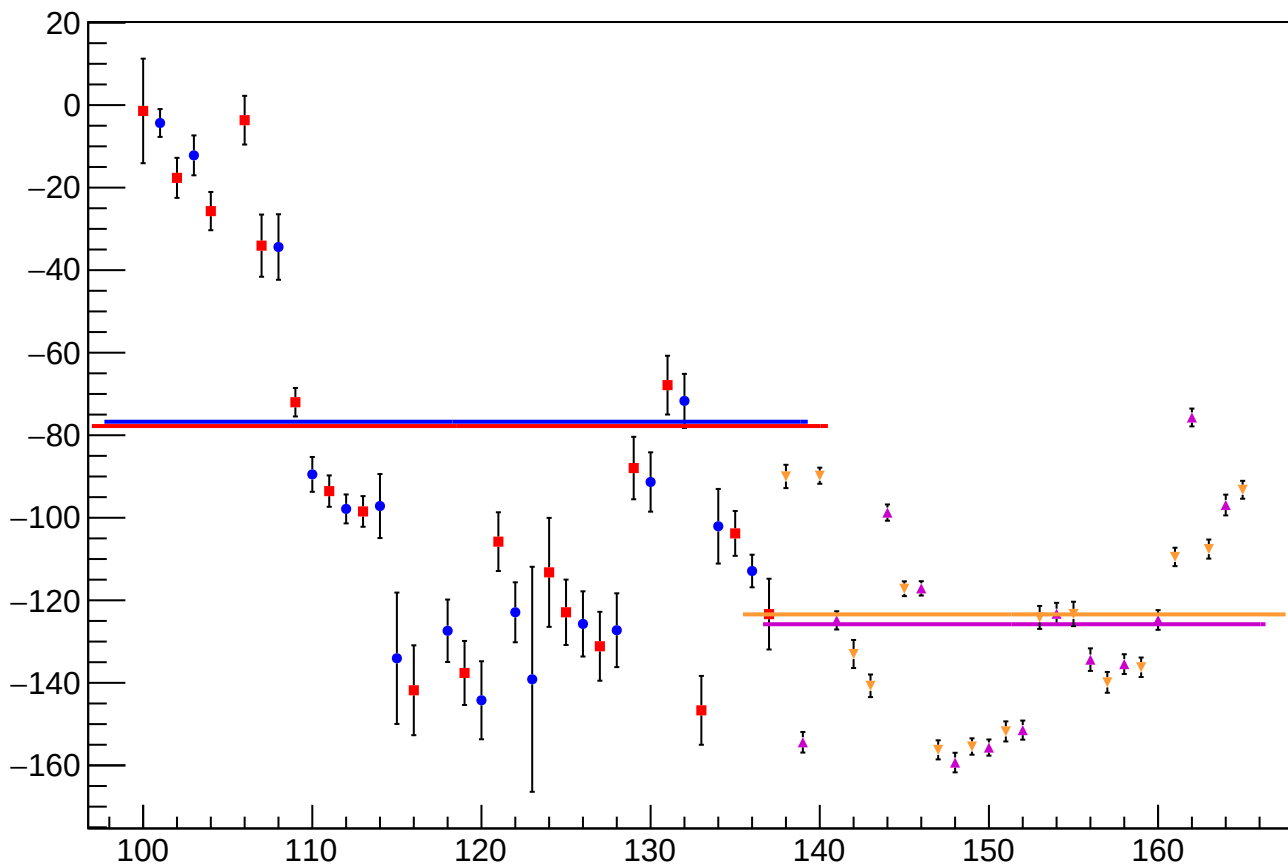
Right: 26.231 $\pm$ 0.570 χ^2 /NDF: 1706.0/35

In: 22.756 $\pm$ 0.391 χ^2 /NDF:1541.8/29

Out: 23.667 $\pm$ 0.381 χ^2 /NDF:2056.8/33

All: 23.222 $\pm$ 0.273 χ^2 /NDF: 3601.3/63

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.728 ± 1.412 $\chi^2/\text{NDF}: 1042.0/16$

Left Out: -123.414 ± 0.608 $\chi^2/\text{NDF}: 1445.6/14$

Right Out: -77.773 ± 1.352 $\chi^2/\text{NDF}: 871.8/18$

Left In: -125.800 ± 0.623 $\chi^2/\text{NDF}: 1599.6/12$

Left: -124.578 ± 0.435 $\chi^2/\text{NDF}: 3052.7/27$

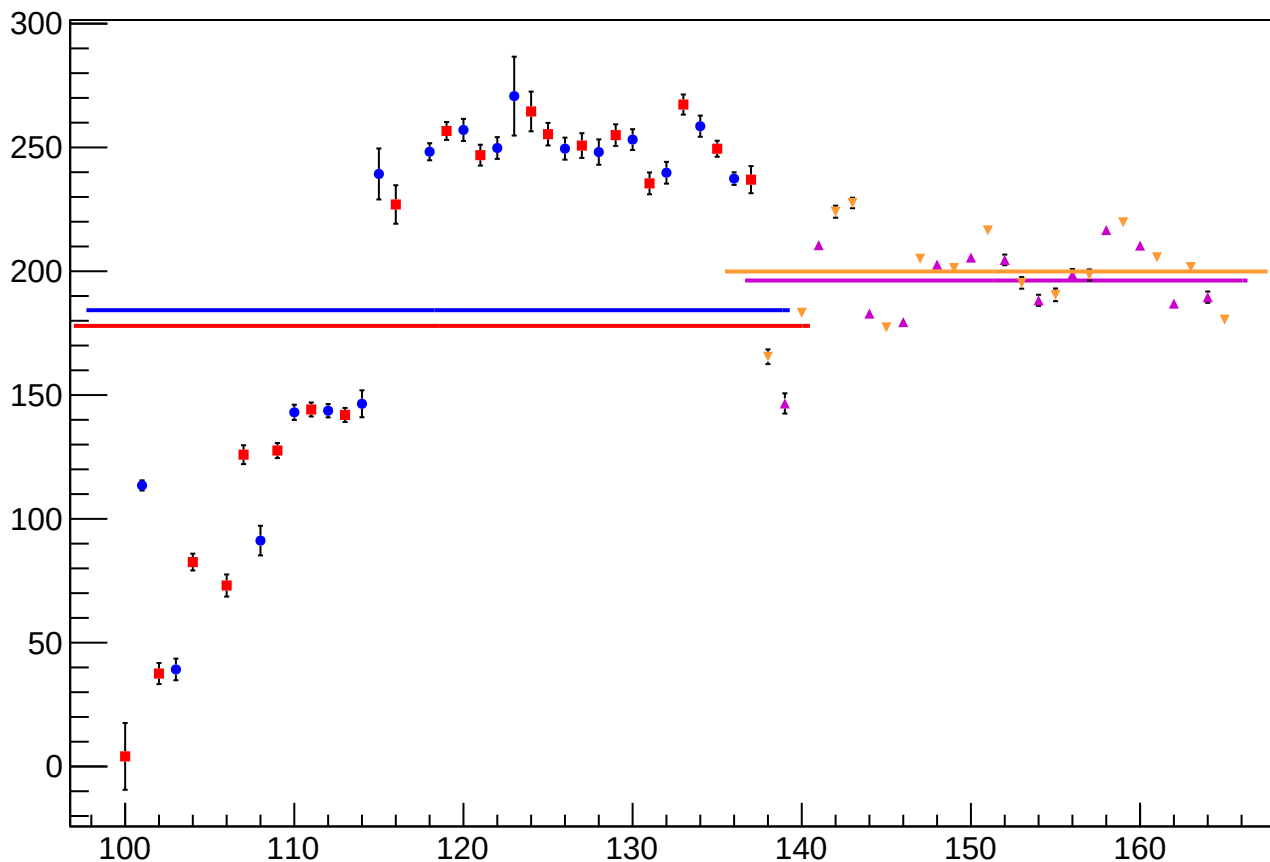
Right: -77.273 ± 0.977 $\chi^2/\text{NDF}: 1914.1/35$

In: -117.815 ± 0.570 $\chi^2/\text{NDF}: 3652.6/29$

Out: -115.749 ± 0.554 $\chi^2/\text{NDF}: 3265.3/33$

All: -116.753 ± 0.397 $\chi^2/\text{NDF}: 6924.6/63$

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: 199.906 $\pm$ 0.506 χ^2 /NDF:1013.9/14

Right Out: 177.930 $\pm$ 0.924 χ^2 /NDF: 6330.9/18

Left In: 196.263 $\pm$ 0.524 χ^2 /NDF:707.5/12

Left: 198.147 $\pm$ 0.364 χ^2 /NDF: 1746.4/27

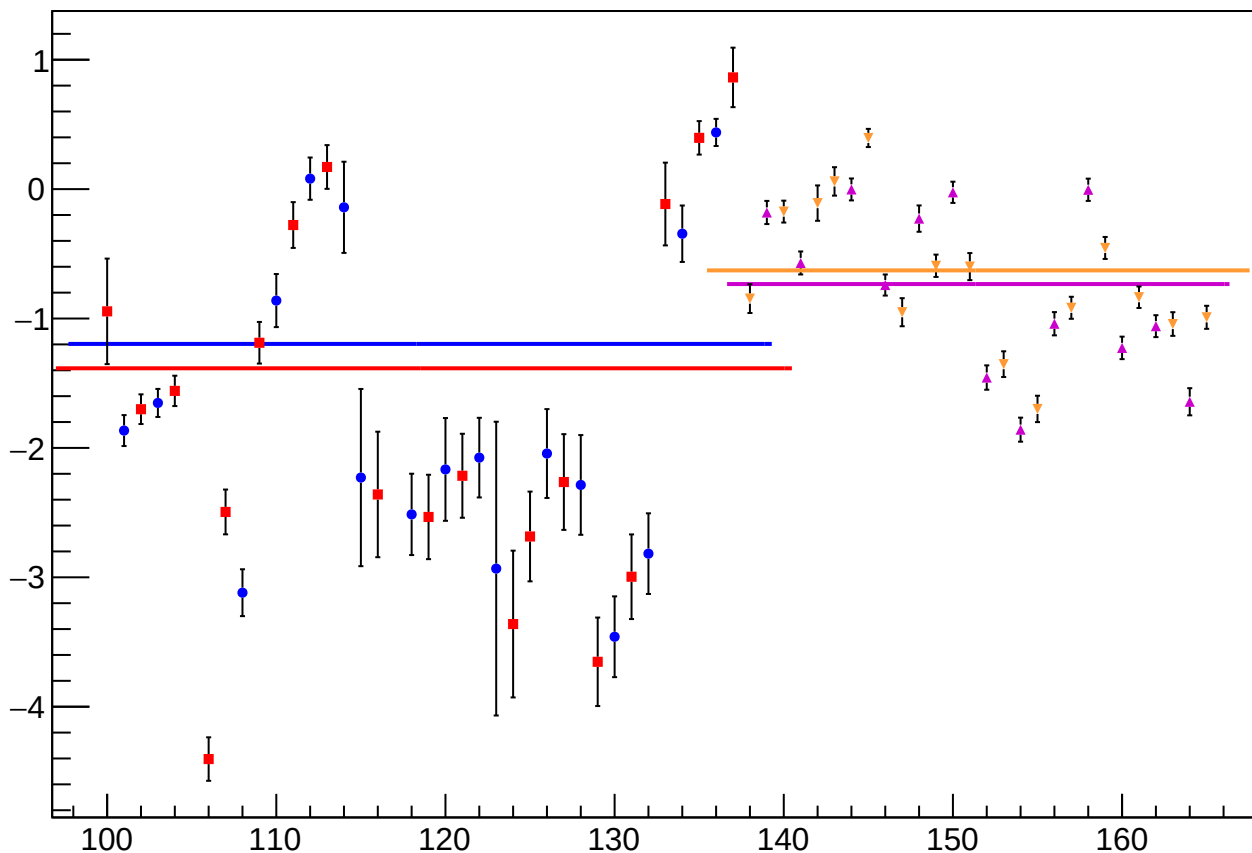
Right: 181.136 $\pm$ 0.650 χ^2 /NDF: 11755.7/35

In: 193.295 $\pm$ 0.454 χ^2 /NDF:6238.1/29

Out: 194.831 $\pm$ 0.444 χ^2 /NDF:7780.0/33

All: 194.081 $\pm$ 0.318 χ^2 /NDF: 14023.9/63

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.196 ± 0.048 χ^2/NDF : 623.1/16

Left Out: -0.628 ± 0.024 χ^2/NDF : 529.7/14

Right Out: -1.385 ± 0.046 χ^2/NDF : 924.4/18

Left In: -0.734 ± 0.025 χ^2/NDF : 626.7/12

Left: -0.679 ± 0.017 χ^2/NDF : 1165.7/27

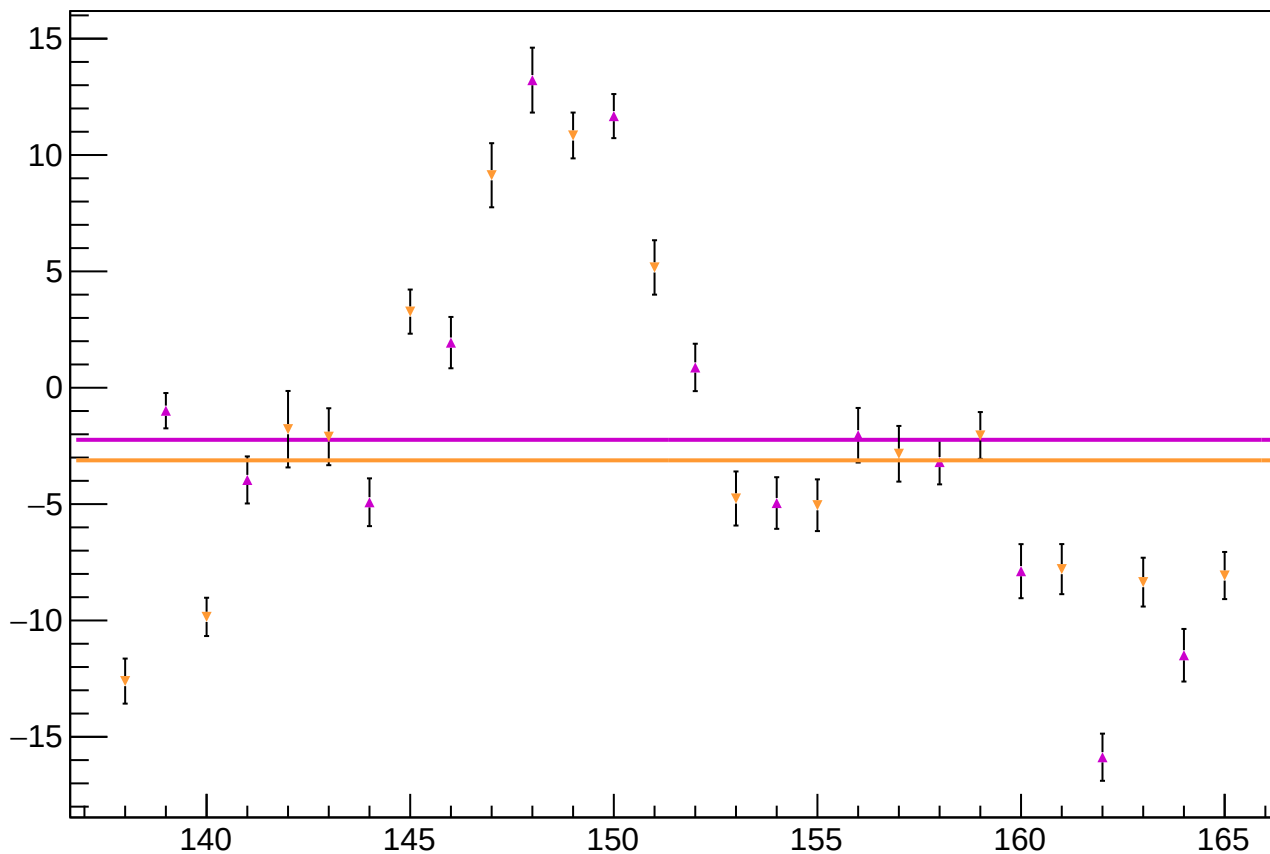
Right: -1.295 ± 0.033 χ^2/NDF : 1555.6/35

In: -0.830 ± 0.022 χ^2/NDF : 1323.0/29

Out: -0.791 ± 0.021 χ^2/NDF : 1668.4/33

All: -0.810 ± 0.015 χ^2/NDF : 2993.0/63

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.120+/-0.278 χ^2/NDF : 614.0/14

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

Left In: -2.237+/-0.286 χ^2/NDF : 653.5/12

Left: -2.692+/-0.199 χ^2/NDF : 1272.4/27

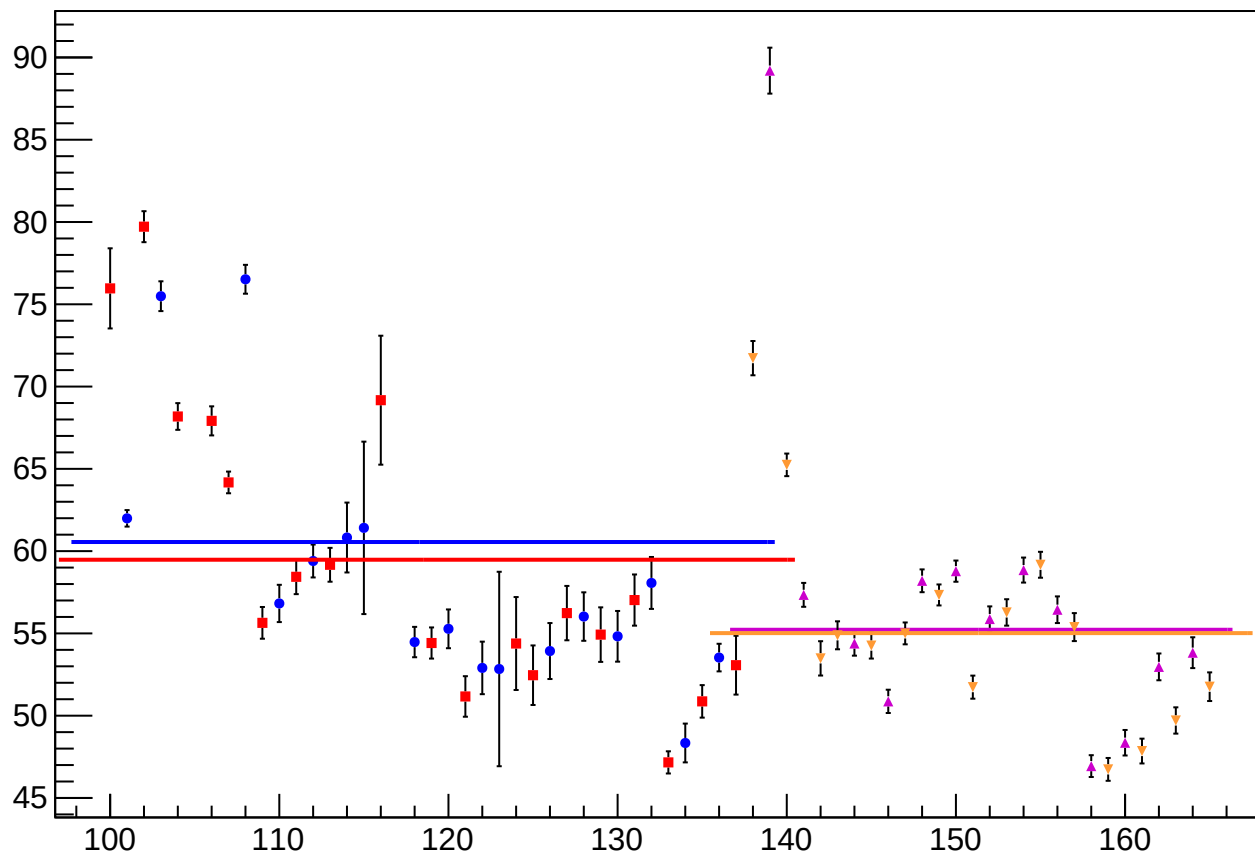
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.237+/-0.286 χ^2/NDF : 653.5/12

Out: -3.120+/-0.278 χ^2/NDF : 614.0/14

All: -2.692+/-0.199 χ^2/NDF : 1272.4/27

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.554 ± 0.262 $\chi^2/\text{NDF}: 930.8/16$

Left Out: 55.018 ± 0.200 $\chi^2/\text{NDF}: 839.3/14$

Right Out: 59.477 ± 0.248 $\chi^2/\text{NDF}: 1317.0/18$

Left In: 55.221 ± 0.212 $\chi^2/\text{NDF}: 959.2/12$

Left: 55.114 ± 0.145 $\chi^2/\text{NDF}: 1798.9/27$

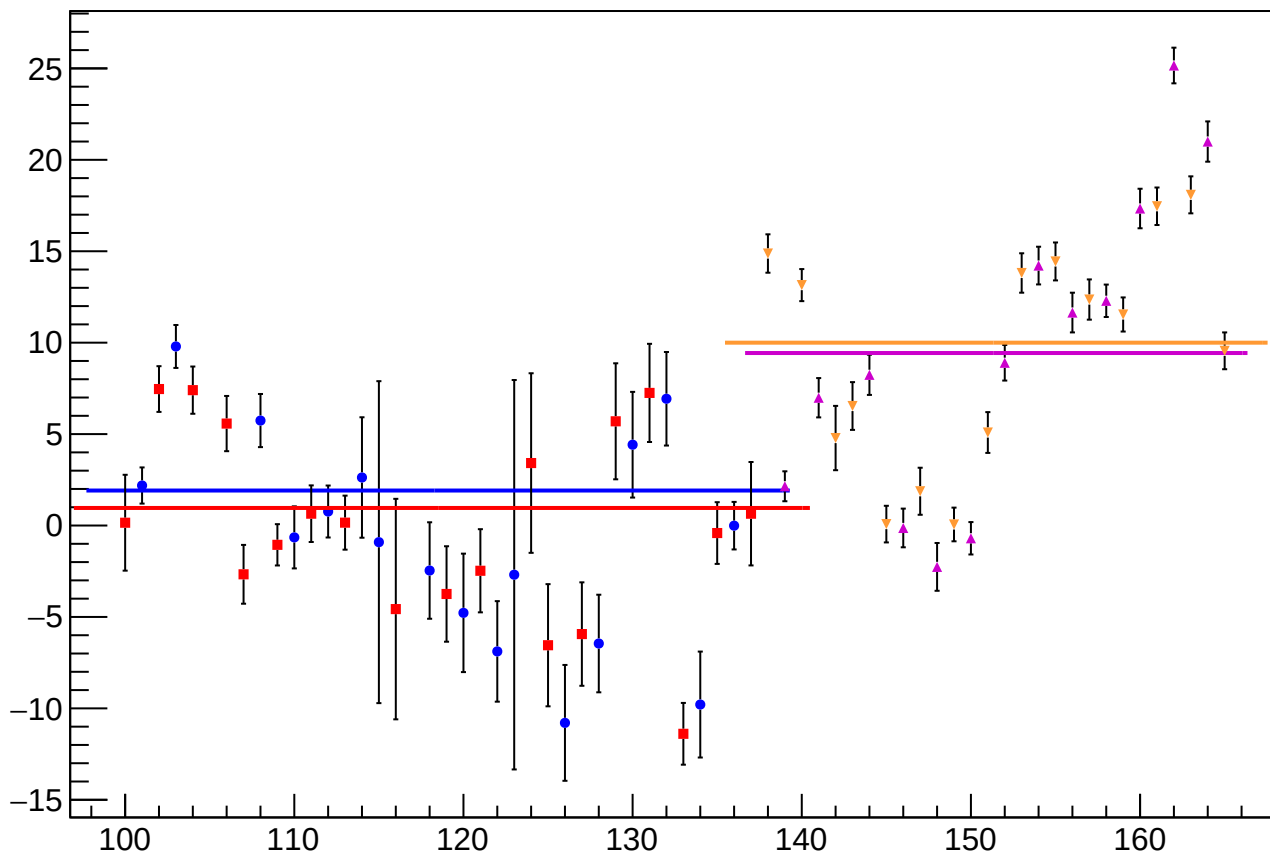
Right: 59.987 ± 0.180 $\chi^2/\text{NDF}: 2256.7/35$

In: 57.335 ± 0.165 $\chi^2/\text{NDF}: 2140.9/29$

Out: 56.776 ± 0.156 $\chi^2/\text{NDF}: 2352.3/33$

All: 57.040 ± 0.113 $\chi^2/\text{NDF}: 4499.2/63$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.914 ± 0.458 $\chi^2/\text{NDF}: 121.6/16$

Left Out: 10.000 ± 0.273 $\chi^2/\text{NDF}: 479.5/14$

Right Out: 0.960 ± 0.424 $\chi^2/\text{NDF}: 149.5/18$

Left In: 9.434 ± 0.280 $\chi^2/\text{NDF}: 838.0/12$

Left: 9.724 ± 0.196 $\chi^2/\text{NDF}: 1319.6/27$

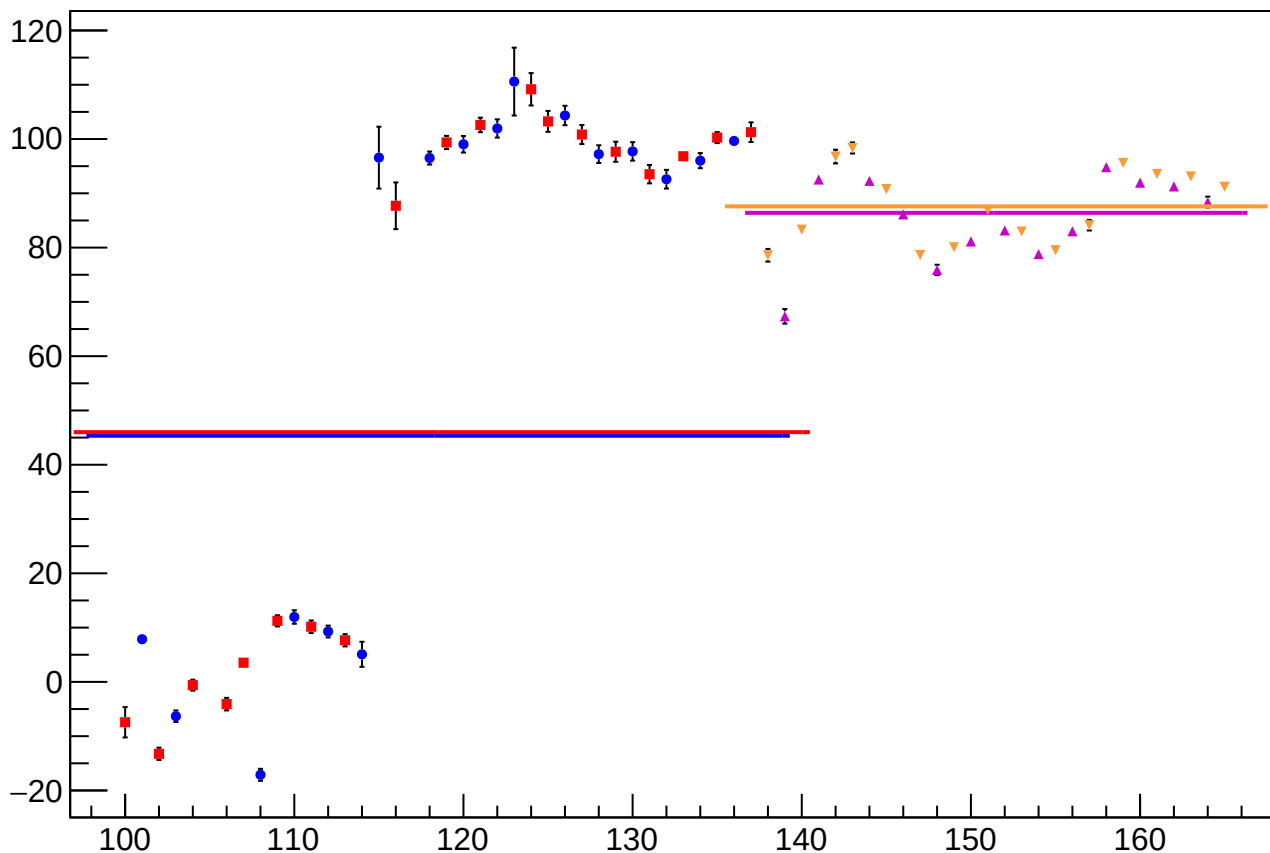
Right: 1.401 ± 0.311 $\chi^2/\text{NDF}: 273.4/35$

In: 7.389 ± 0.239 $\chi^2/\text{NDF}: 1156.1/29$

Out: 7.348 ± 0.230 $\chi^2/\text{NDF}: 949.8/33$

All: 7.368 ± 0.166 $\chi^2/\text{NDF}: 2106.0/63$

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: 87.596 $\pm$ 0.231 χ^2 /NDF:811.3/14

Right Out: 46.007 $\pm$ 0.289 χ^2 /NDF: 28219.9/18

Left In: 86.404 $\pm$ 0.243 χ^2 /NDF:794.4/12

Left: 87.029 $\pm$ 0.167 χ^2 /NDF: 1618.4/27

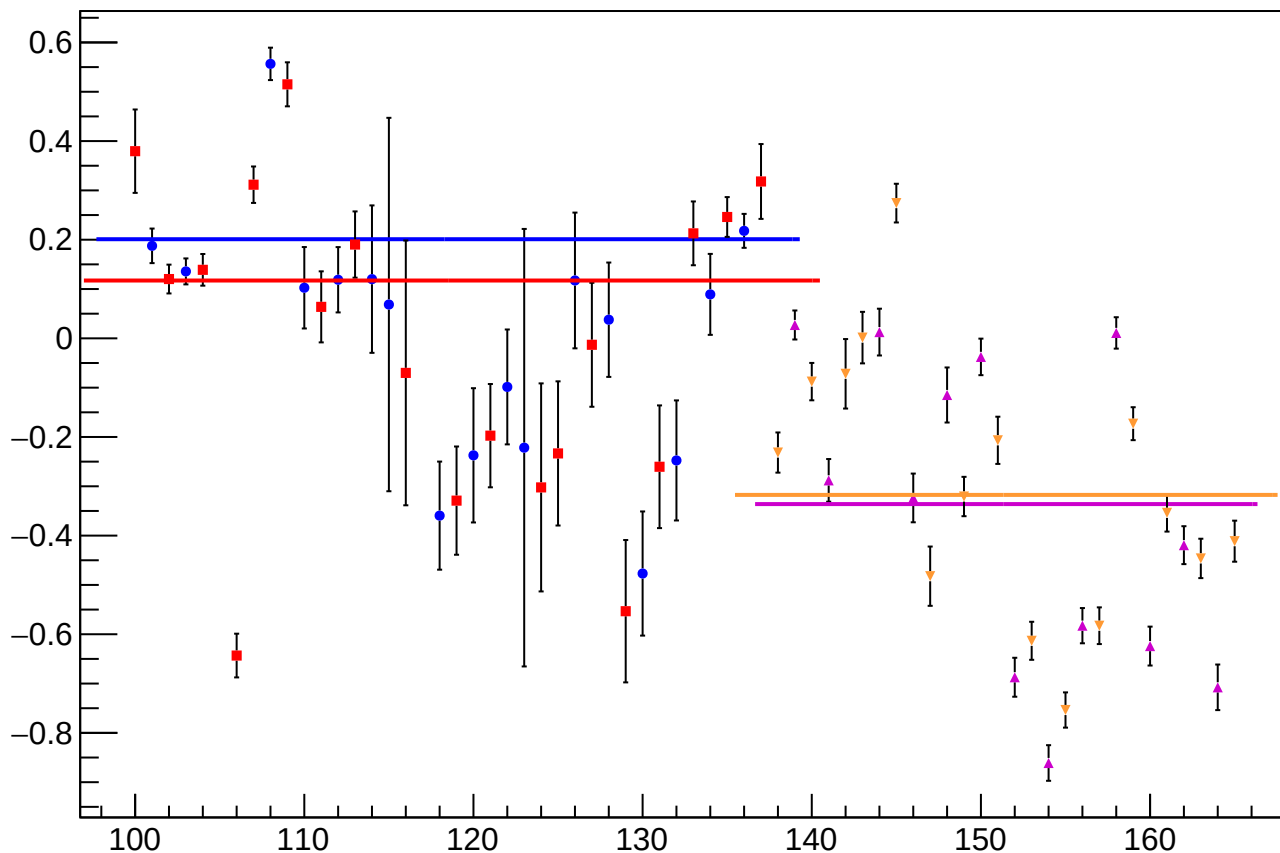
Right: 45.691 $\pm$ 0.209 χ^2 /NDF: 53293.4/35

In: 70.360 $\pm$ 0.190 χ^2 /NDF:37036.1/29

Out: 71.405 $\pm$ 0.181 χ^2 /NDF:41637.1/33

All: 70.908 $\pm$ 0.131 χ^2 /NDF: 78689.1/63

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 $\chi^2/\text{NDF}: 217.8/16$

Left Out: -0.317 ± 0.011 $\chi^2/\text{NDF}: 624.6/14$

Right Out: 0.117 ± 0.013 $\chi^2/\text{NDF}: 500.1/18$

Left In: -0.336 ± 0.011 $\chi^2/\text{NDF}: 867.8/12$

Left: -0.327 ± 0.008 $\chi^2/\text{NDF}: 1493.9/27$

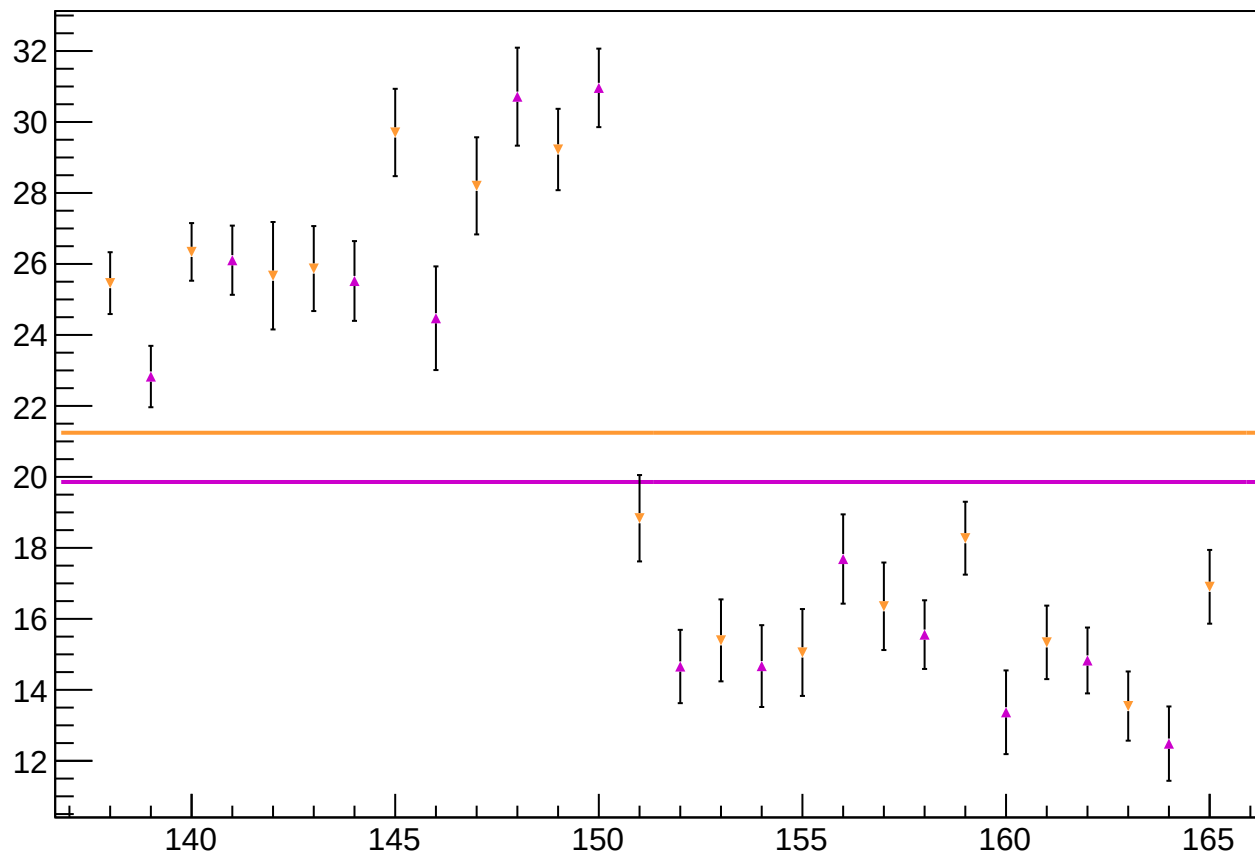
Right: 0.156 ± 0.010 $\chi^2/\text{NDF}: 737.1/35$

In: -0.136 ± 0.009 $\chi^2/\text{NDF}: 2004.9/29$

Out: -0.143 ± 0.008 $\chi^2/\text{NDF}: 1793.1/33$

All: -0.140 ± 0.006 $\chi^2/\text{NDF}: 3798.4/63$

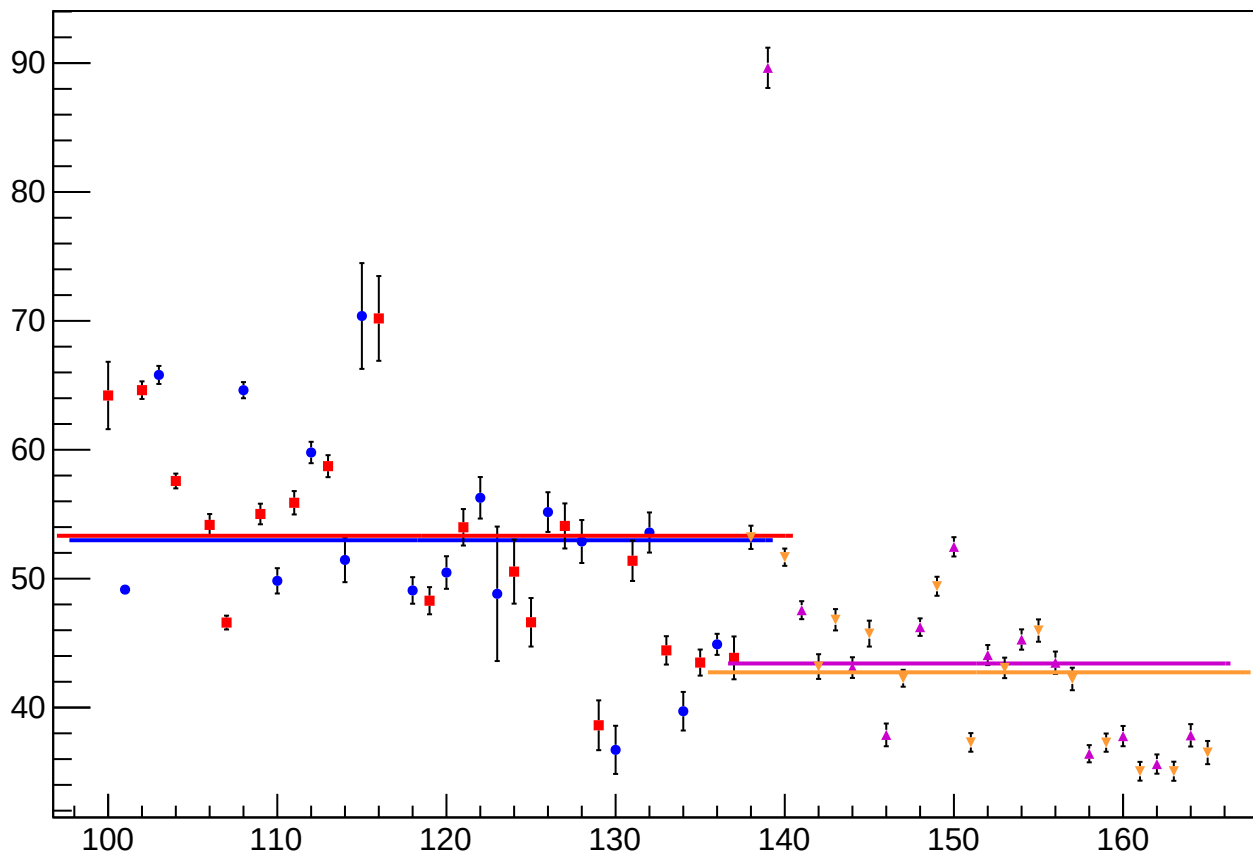
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: 21.244 +/- 0.282 χ^2/NDF : 399.5/14
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: 19.856 +/- 0.299 χ^2/NDF : 428.4/12

Left: 20.590 +/- 0.205 χ^2/NDF : 839.3/27
 Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 In: 19.856 +/- 0.299 χ^2/NDF : 428.4/12
 Out: 21.244 +/- 0.282 χ^2/NDF : 399.5/14
 All: 20.590 +/- 0.205 χ^2/NDF : 839.3/27

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: 42.733 $\pm$ 0.203 χ^2 /NDF: 825.1/14

Right Out: 53.328 $\pm$ 0.227 χ^2 /NDF: 872.7/18

Left In: 43.420 $\pm$ 0.219 χ^2 /NDF: 1430.4/12

Left: 43.051 $\pm$ 0.149 χ^2 /NDF: 2260.8/27

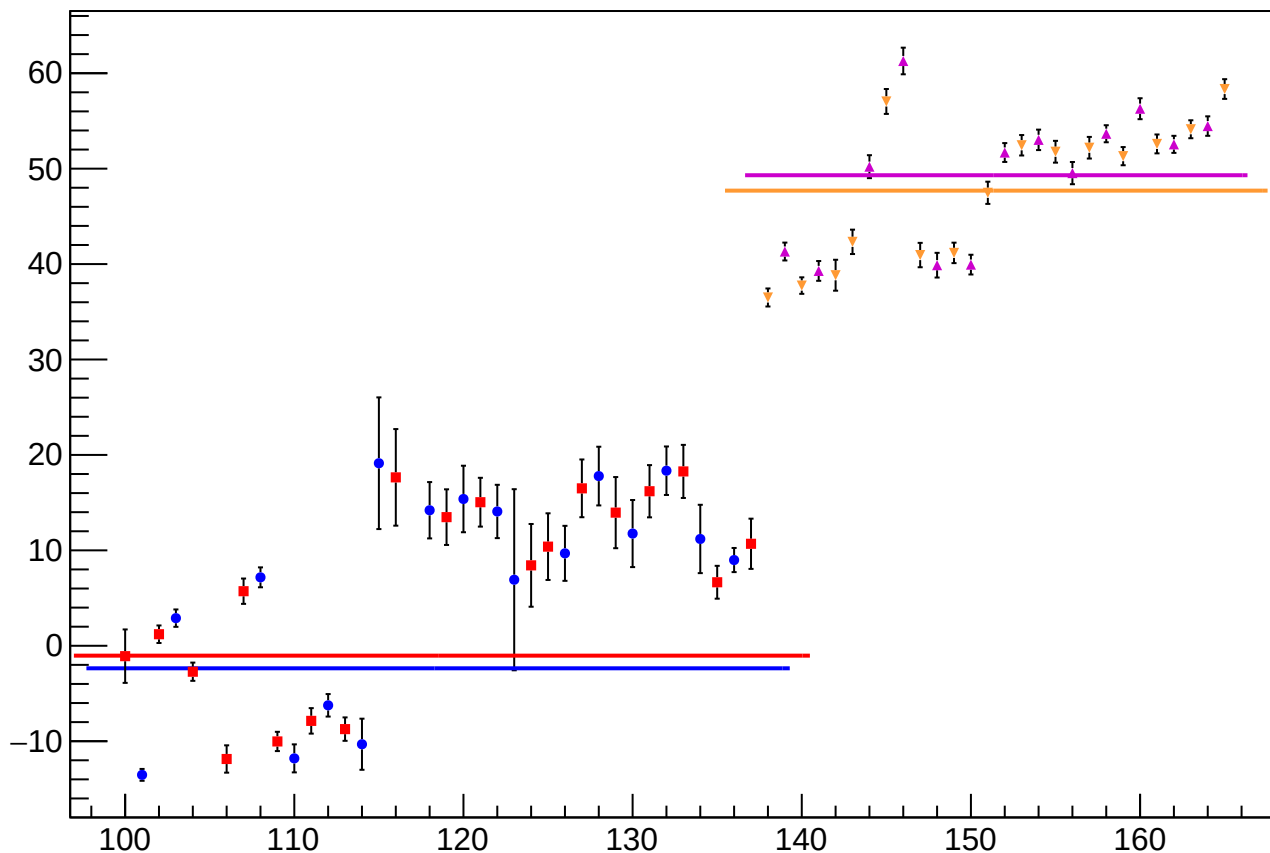
Right: 53.141 $\pm$ 0.154 χ^2 /NDF: 2071.7/35

In: 48.398 $\pm$ 0.152 χ^2 /NDF: 3620.3/29

Out: 47.451 $\pm$ 0.151 χ^2 /NDF: 2909.3/33

All: 47.923 $\pm$ 0.107 χ^2 /NDF: 6549.1/63

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.361 ± 0.364 χ^2/NDF : 840.8/16

Left Out: 47.697 ± 0.279 χ^2/NDF : 676.7/14

Right Out: -1.035 ± 0.377 χ^2/NDF : 507.7/18

Left In: 49.310 ± 0.292 χ^2/NDF : 496.2/12

Left: 48.467 ± 0.202 χ^2/NDF : 1188.8/27

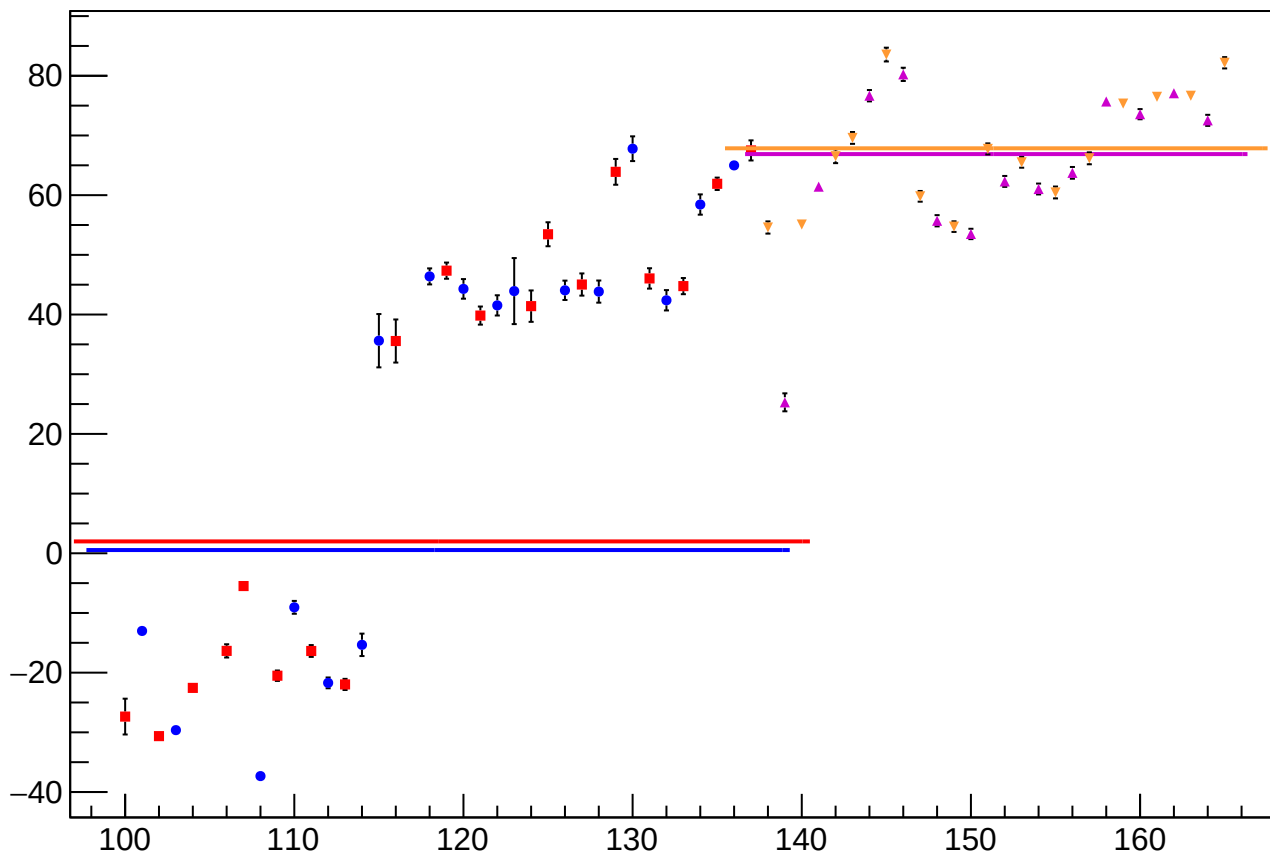
Right: -1.721 ± 0.262 χ^2/NDF : 1355.0/35

In: 29.076 ± 0.228 χ^2/NDF : 13609.2/29

Out: 30.462 ± 0.224 χ^2/NDF : 11989.1/33

All: 29.780 ± 0.160 χ^2/NDF : 25617.1/63

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.247 χ^2/NDF : 18423.8/16

Left Out: 67.849+/-0.235 χ^2/NDF :1549.6/14

Right Out: 1.990+/-0.267 χ^2/NDF : 15476.7/18

Left In: 66.880+/-0.251 χ^2/NDF :1939.9/12

Left: 67.396+/-0.171 χ^2/NDF : 3497.4/27

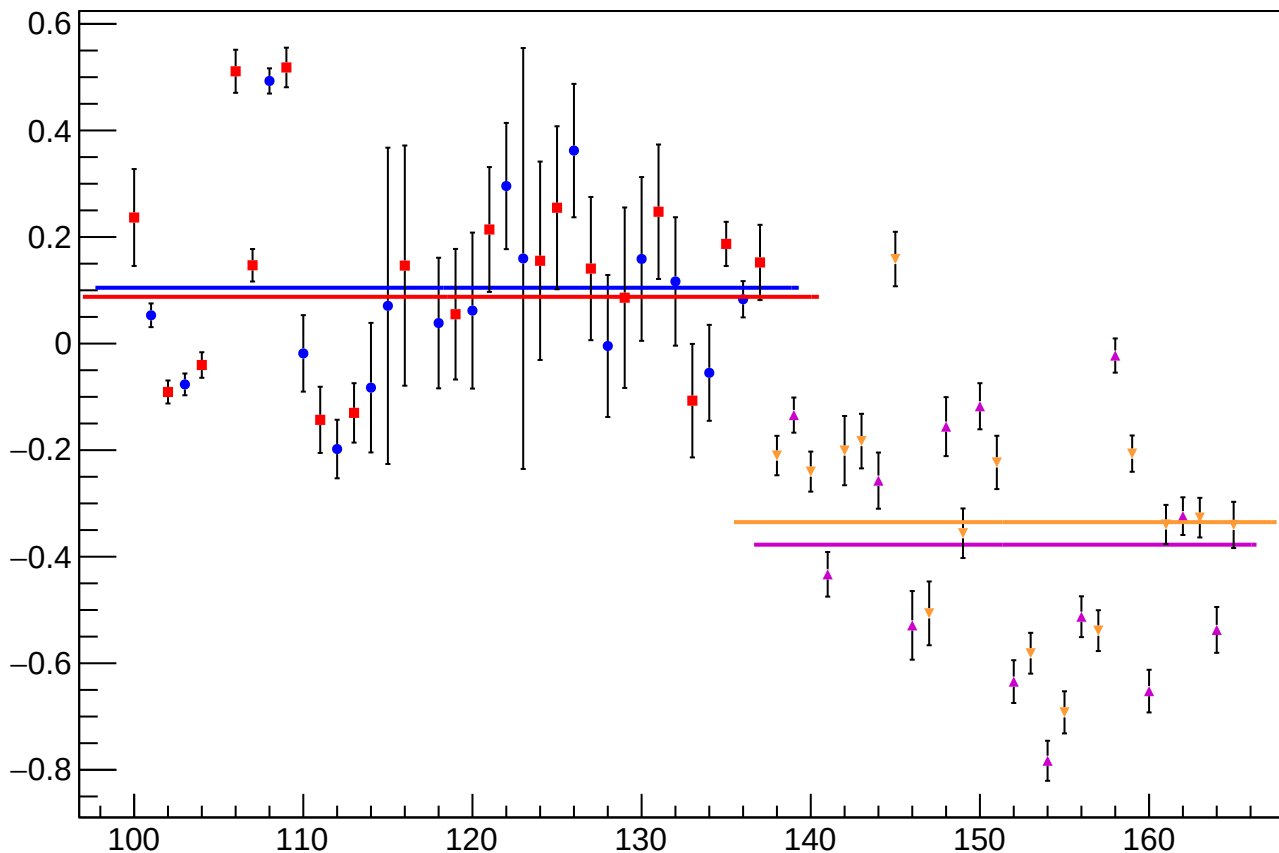
Right: 1.210+/-0.181 χ^2/NDF : 33916.4/35

In: 33.159+/-0.176 χ^2/NDF :55915.7/29

Out: 39.054+/-0.176 χ^2/NDF :51391.1/33

All: 36.100+/-0.124 χ^2/NDF : 107867.2/63

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.7/16

Left Out: -0.335 ± 0.011 χ^2/NDF : 303.0/14

Right Out: 0.088 ± 0.011 χ^2/NDF : 391.0/18

Left In: -0.377 ± 0.011 χ^2/NDF : 474.3/12

Left: -0.356 ± 0.008 χ^2/NDF : 784.6/27

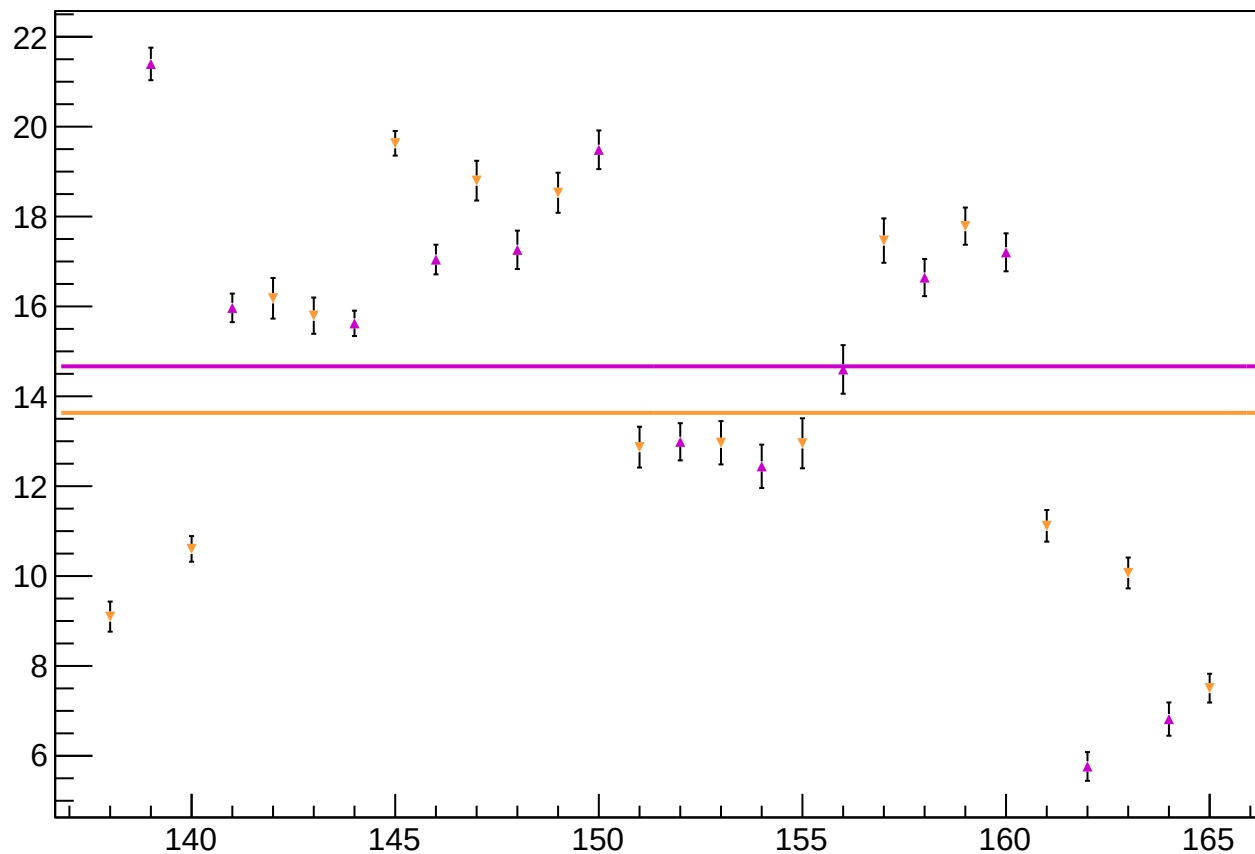
Right: 0.096 ± 0.008 χ^2/NDF : 792.9/35

In: -0.132 ± 0.008 χ^2/NDF : 1811.3/29

Out: -0.126 ± 0.008 χ^2/NDF : 1440.2/33

All: -0.129 ± 0.006 χ^2/NDF : 3251.7/63

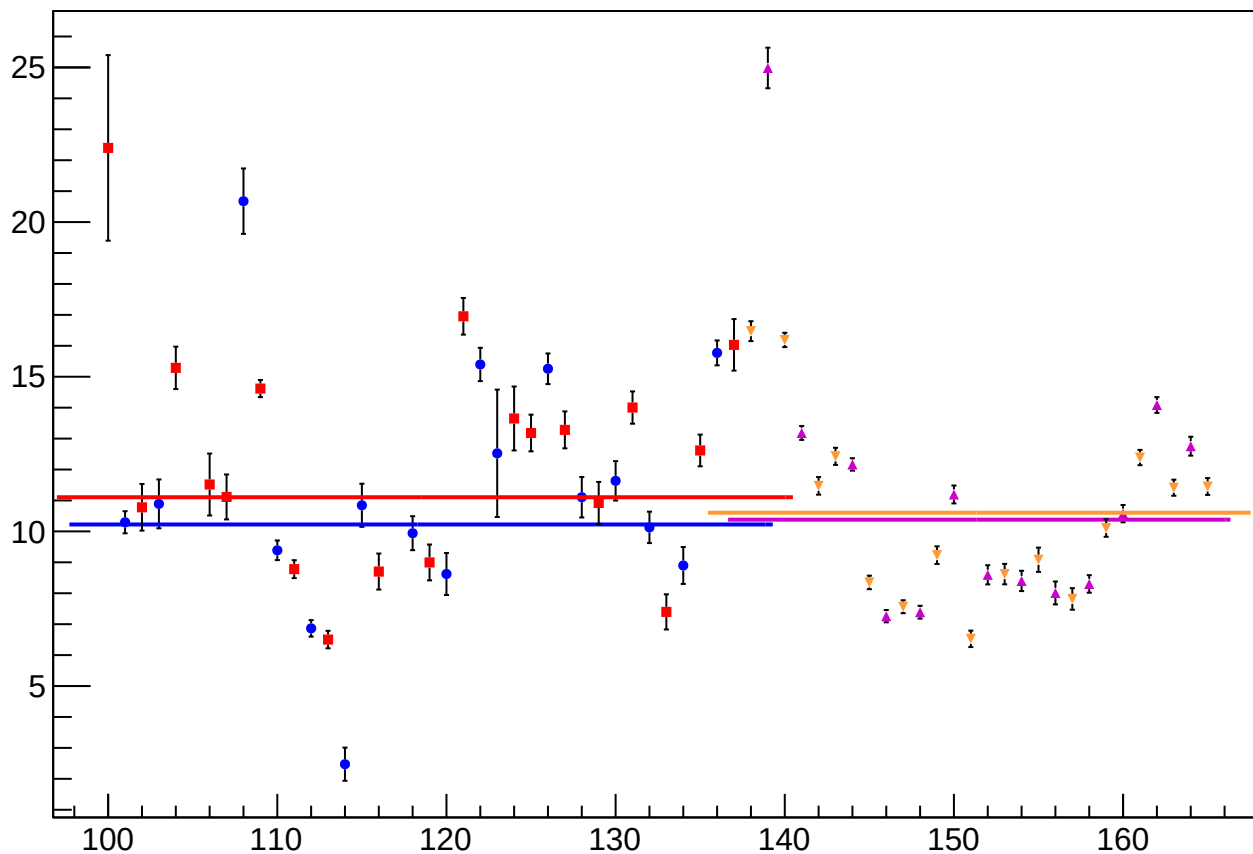
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 13.632+/-0.098 χ^2/NDF :1783.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 14.666+/-0.104 χ^2/NDF :1910.9/12

Left: 14.118+/-0.071 χ^2/NDF : 3747.0/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 14.666+/-0.104 χ^2/NDF :1910.9/12
 Out: 13.632+/-0.098 χ^2/NDF :1783.7/14
 All: 14.118+/-0.071 χ^2/NDF : 3747.0/27

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.224 $\pm$ 0.119 χ^2 /NDF: 877.6/16

Left Out: 10.604 $\pm$ 0.070 χ^2 /NDF:1732.3/14

Right Out: 11.104 $\pm$ 0.116 χ^2 /NDF: 817.2/18

Left In: 10.380 $\pm$ 0.073 χ^2 /NDF:1627.6/12

Left: 10.497 $\pm$ 0.051 χ^2 /NDF: 3364.8/27

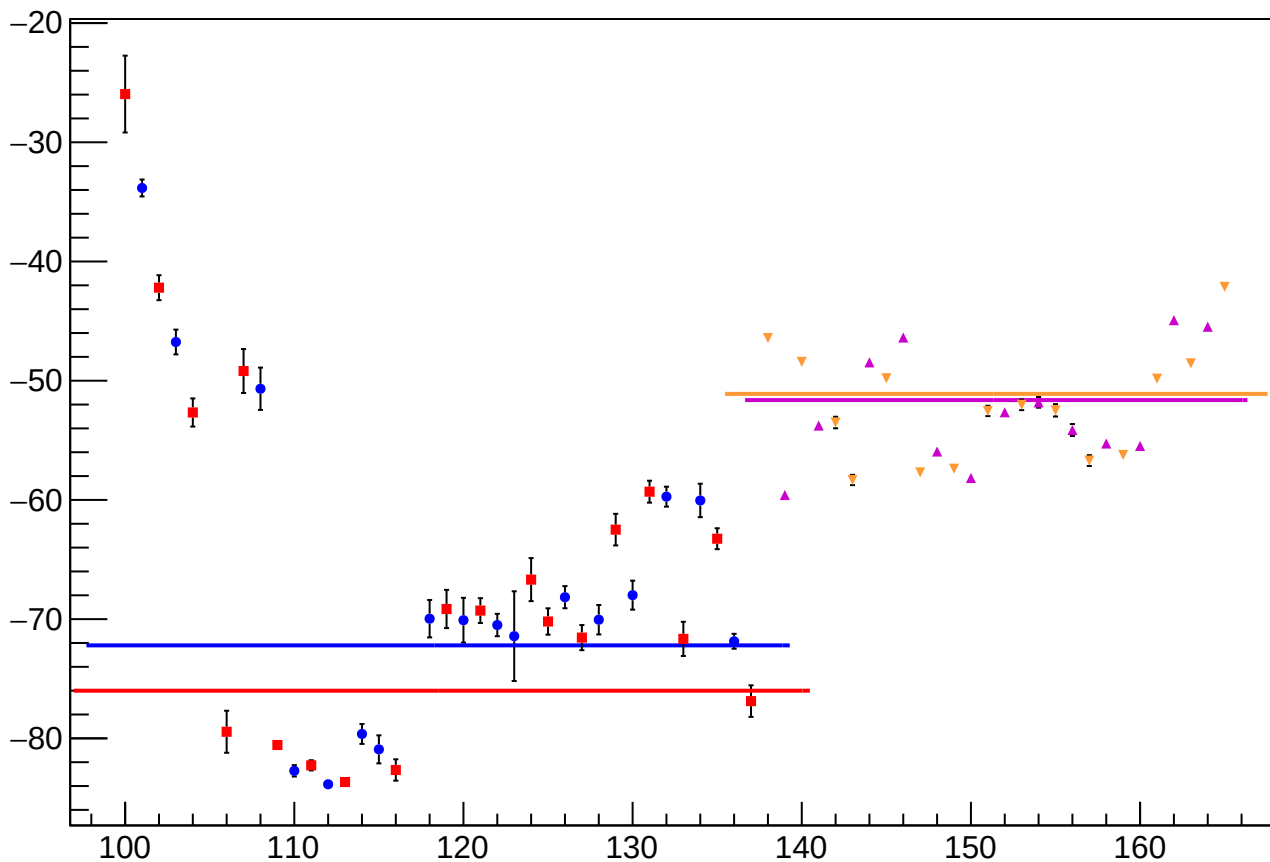
Right: 10.673 $\pm$ 0.083 χ^2 /NDF: 1722.7/35

In: 10.337 $\pm$ 0.062 χ^2 /NDF:2506.4/29

Out: 10.736 $\pm$ 0.060 χ^2 /NDF:2563.0/33

All: 10.545 $\pm$ 0.043 χ^2 /NDF: 5090.8/63

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: -51.103 ± 0.098 $\chi^2/\text{NDF}: 2271.6/14$

Right Out: -76.003 ± 0.181 $\chi^2/\text{NDF}: 3465.4/18$

Left In: -51.624 ± 0.102 $\chi^2/\text{NDF}: 2202.1/12$

Left: -51.352 ± 0.071 $\chi^2/\text{NDF}: 4487.3/27$

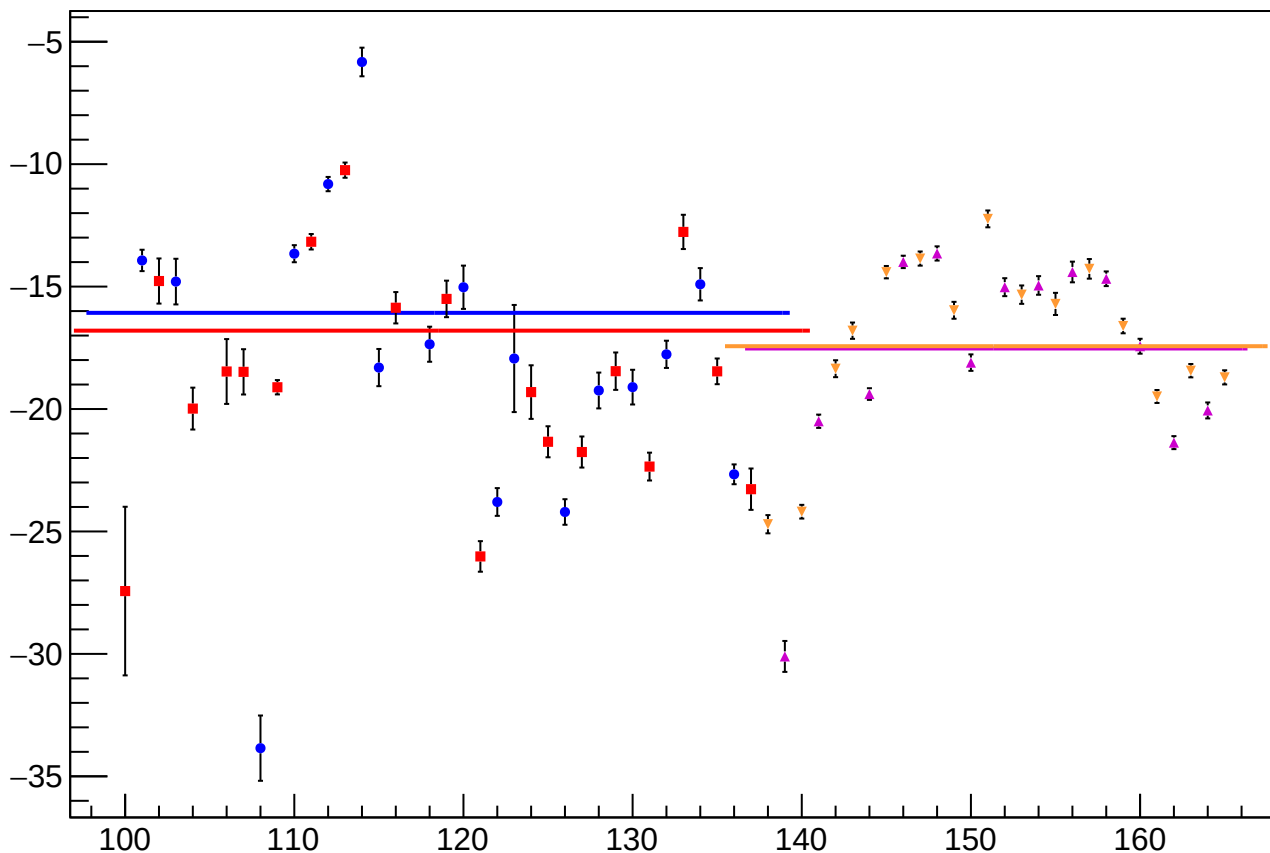
Right: -74.270 ± 0.133 $\chi^2/\text{NDF}: 9233.6/35$

In: -55.971 ± 0.091 $\chi^2/\text{NDF}: 16314.2/29$

Out: -56.724 ± 0.086 $\chi^2/\text{NDF}: 20400.6/33$

All: -56.368 ± 0.062 $\chi^2/\text{NDF}: 36751.0/63$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 ± 0.132 $\chi^2/\text{NDF}: 1640.9/16$

Left Out: -17.434 ± 0.081 $\chi^2/\text{NDF}: 1725.4/14$

Right Out: -16.799 ± 0.128 $\chi^2/\text{NDF}: 1215.8/18$

Left In: -17.528 ± 0.086 $\chi^2/\text{NDF}: 1460.9/12$

Left: -17.479 ± 0.059 $\chi^2/\text{NDF}: 3186.9/27$

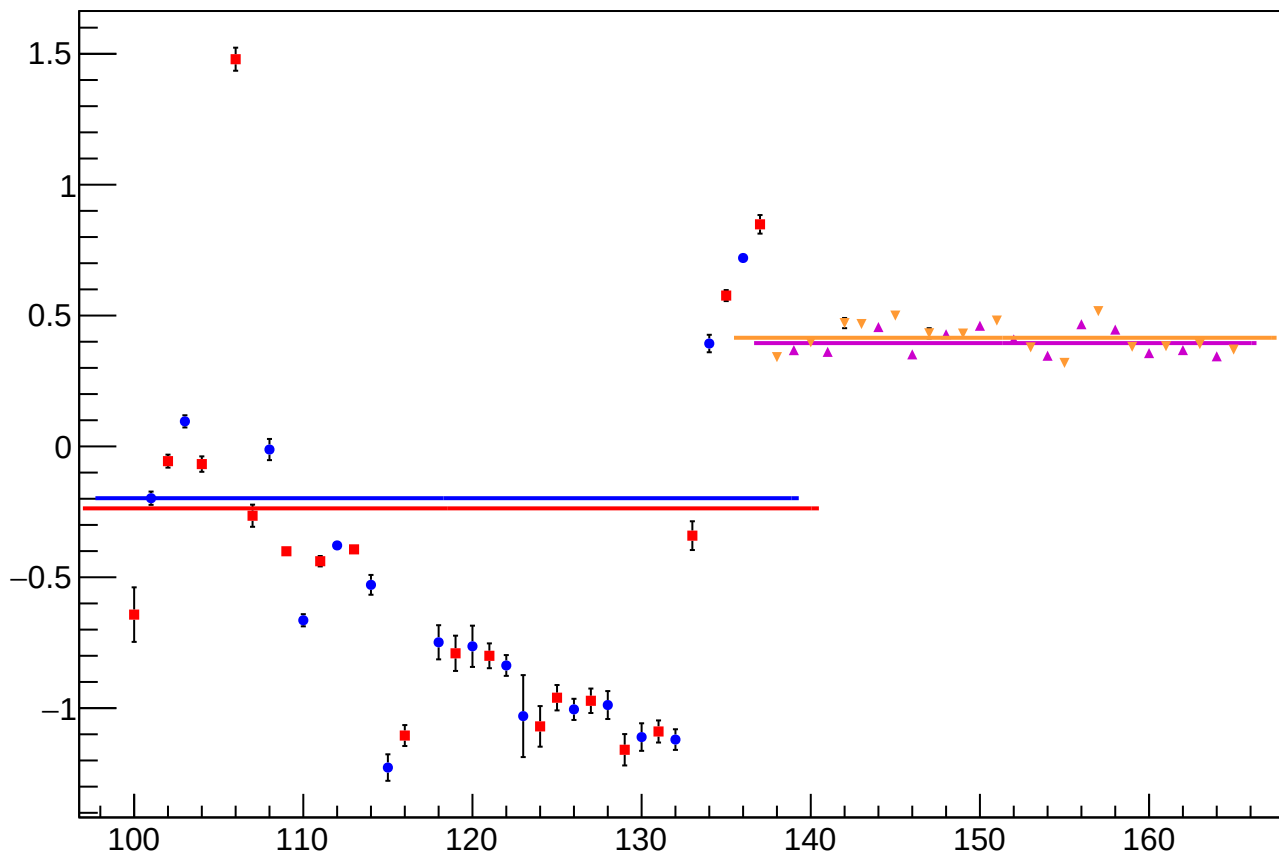
Right: -16.447 ± 0.092 $\chi^2/\text{NDF}: 2872.2/35$

In: -17.095 ± 0.072 $\chi^2/\text{NDF}: 3187.2/29$

Out: -17.252 ± 0.069 $\chi^2/\text{NDF}: 2958.6/33$

All: -17.177 ± 0.050 $\chi^2/\text{NDF}: 6148.3/63$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.198 ± 0.008 χ^2/NDF : 6338.8/16

Left Out: 0.415 ± 0.004 χ^2/NDF : 220.0/14

Right Out: -0.237 ± 0.007 χ^2/NDF : 6221.9/18

Left In: 0.395 ± 0.004 χ^2/NDF : 126.1/12

Left: 0.405 ± 0.003 χ^2/NDF : 359.4/27

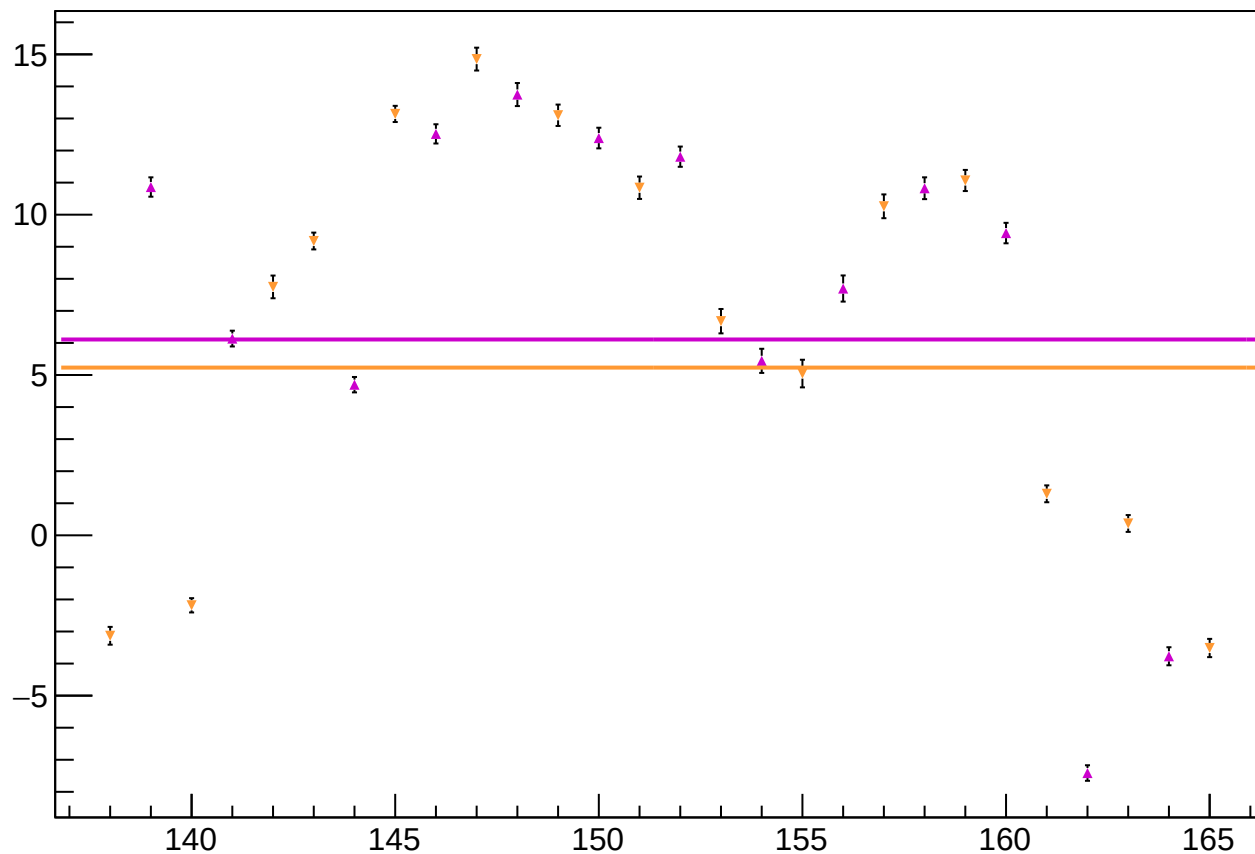
Right: -0.218 ± 0.005 χ^2/NDF : 12574.6/35

In: 0.262 ± 0.004 χ^2/NDF : 11260.3/29

Out: 0.269 ± 0.003 χ^2/NDF : 12847.9/33

All: 0.265 ± 0.002 χ^2/NDF : 24110.2/63

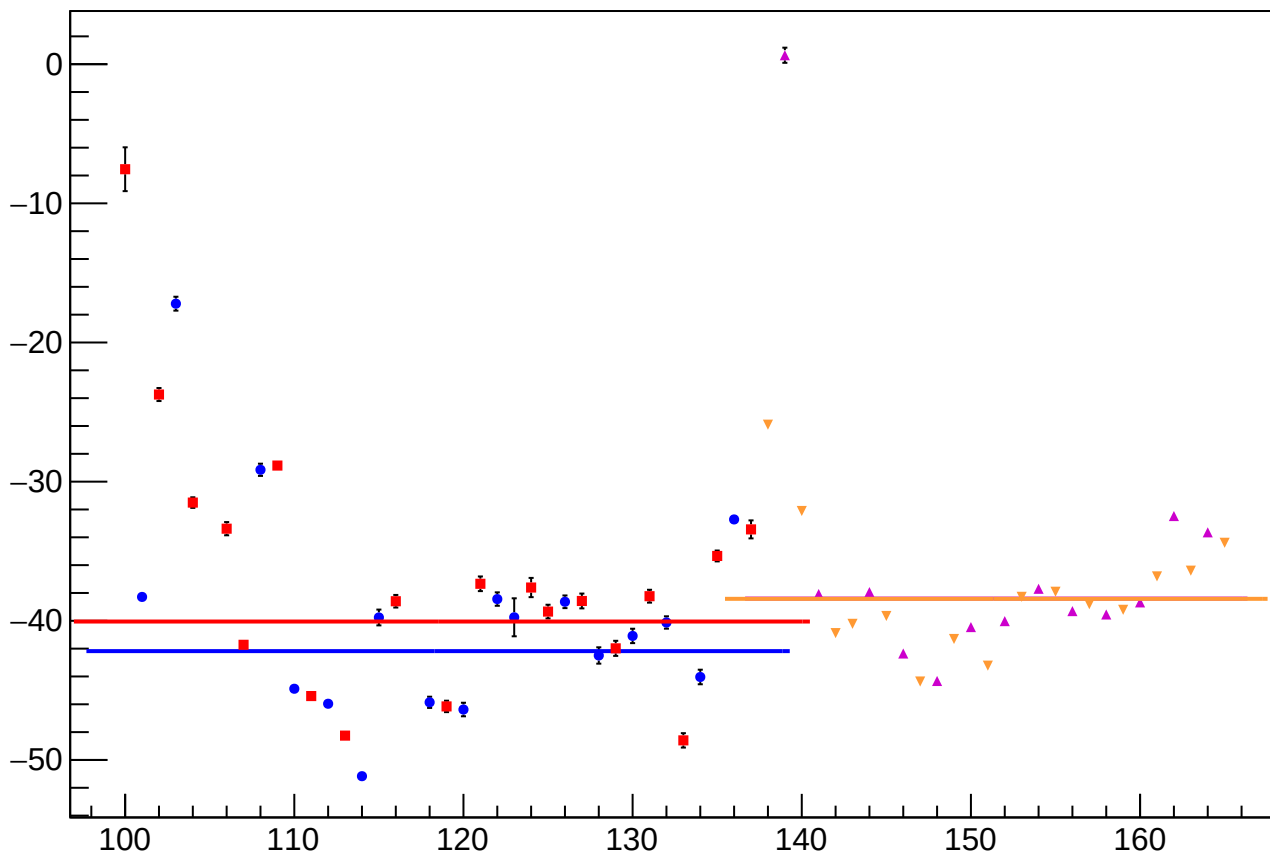
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.231+/-0.077 χ^2/NDF : 6843.0/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.108+/-0.083 χ^2/NDF : 6562.4/12

Left: 5.638+/-0.057 χ^2/NDF : 13464.8/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 6.108+/-0.083 χ^2/NDF : 6562.4/12
 Out: 5.231+/-0.077 χ^2/NDF : 6843.0/14
 All: 5.638+/-0.057 χ^2/NDF : 13464.8/27

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.179 ± 0.078 χ^2/NDF : 6573.8/16

Left Out: -38.421 ± 0.055 χ^2/NDF : 6052.2/14

Right Out: -40.052 ± 0.073 χ^2/NDF : 11313.5/18

Left In: -38.403 ± 0.059 χ^2/NDF : 8271.4/12

Left: -38.413 ± 0.040 χ^2/NDF : 14323.6/27

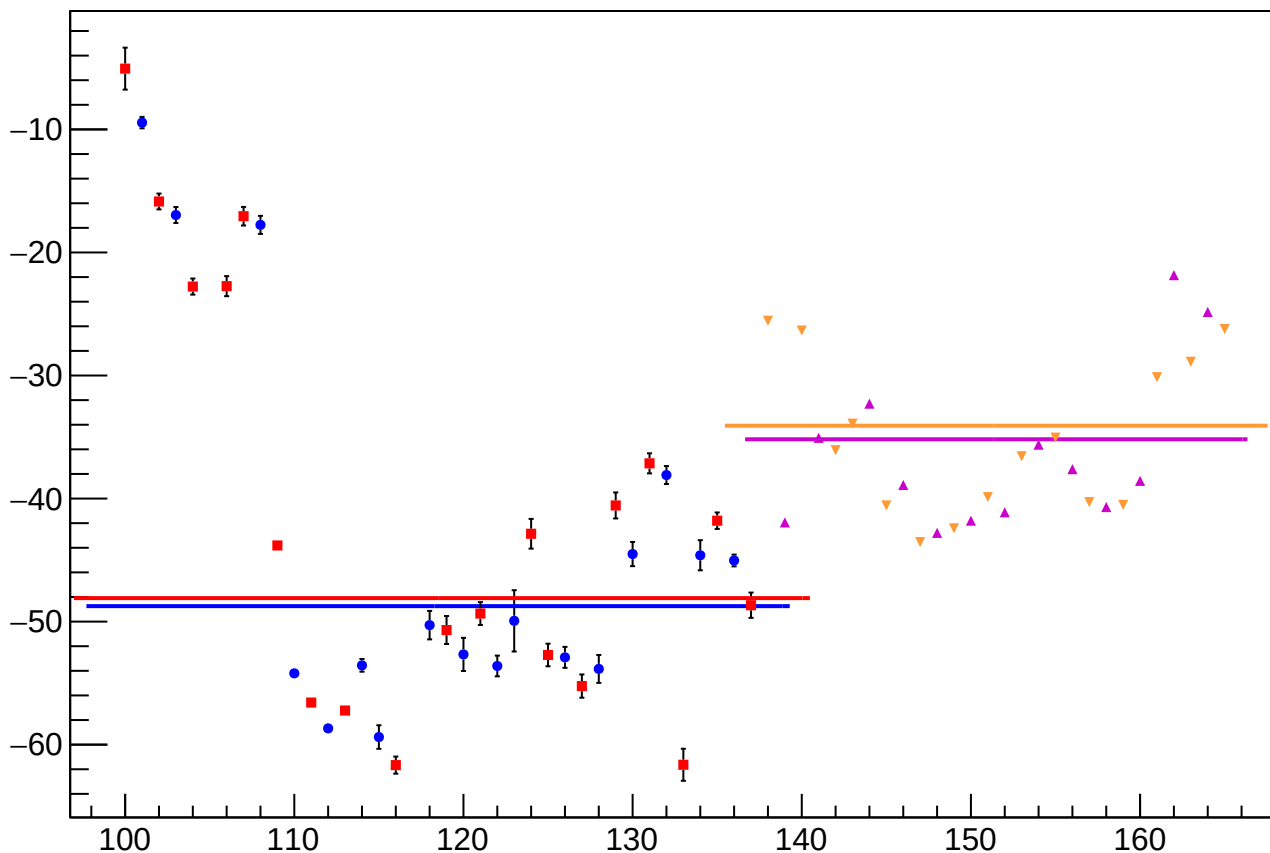
Right: -41.045 ± 0.053 χ^2/NDF : 18285.9/35

In: -39.792 ± 0.047 χ^2/NDF : 16335.4/29

Out: -39.015 ± 0.044 χ^2/NDF : 17685.2/33

All: -39.376 ± 0.032 χ^2/NDF : 34166.0/63

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: -34.078 ± 0.077 $\chi^2/\text{NDF}: 6572.0/14$

Right Out: -48.091 ± 0.107 $\chi^2/\text{NDF}: 11731.5/18$

Left In: -35.182 ± 0.082 $\chi^2/\text{NDF}: 7269.6/12$

Left: -34.599 ± 0.056 $\chi^2/\text{NDF}: 13938.3/27$

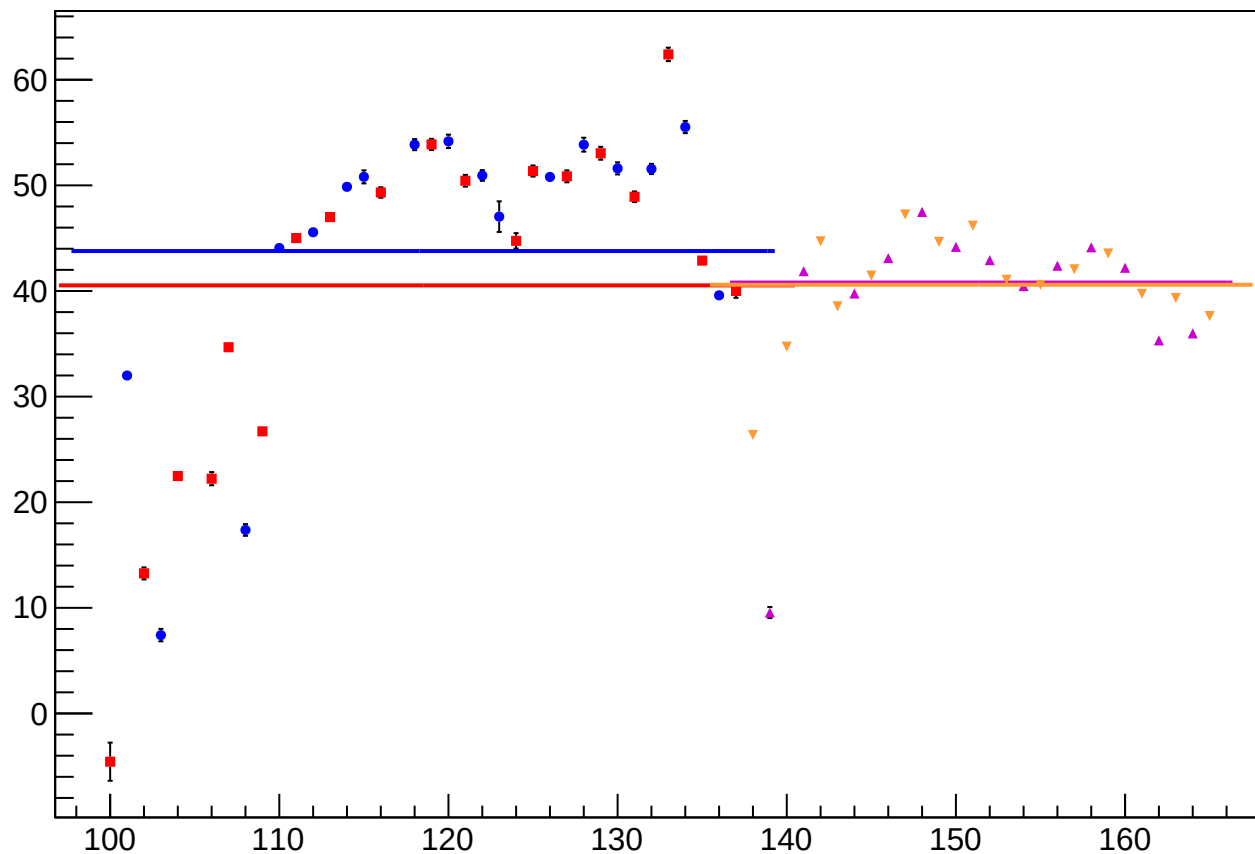
Right: -48.369 ± 0.081 $\chi^2/\text{NDF}: 26405.8/35$

In: -39.258 ± 0.068 $\chi^2/\text{NDF}: 30235.6/29$

Out: -38.857 ± 0.063 $\chi^2/\text{NDF}: 29558.9/33$

All: -39.041 ± 0.046 $\chi^2/\text{NDF}: 59813.3/63$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.782 $\pm$ 0.087 χ^2 /NDF: 10638.7/16

Left Out: 40.589 $\pm$ 0.064 χ^2 /NDF: 5015.6/14

Right Out: 40.530 $\pm$ 0.080 χ^2 /NDF: 17580.7/18

Left In: 40.799 $\pm$ 0.069 χ^2 /NDF: 6045.6/12

Left: 40.687 $\pm$ 0.047 χ^2 /NDF: 11066.2/27

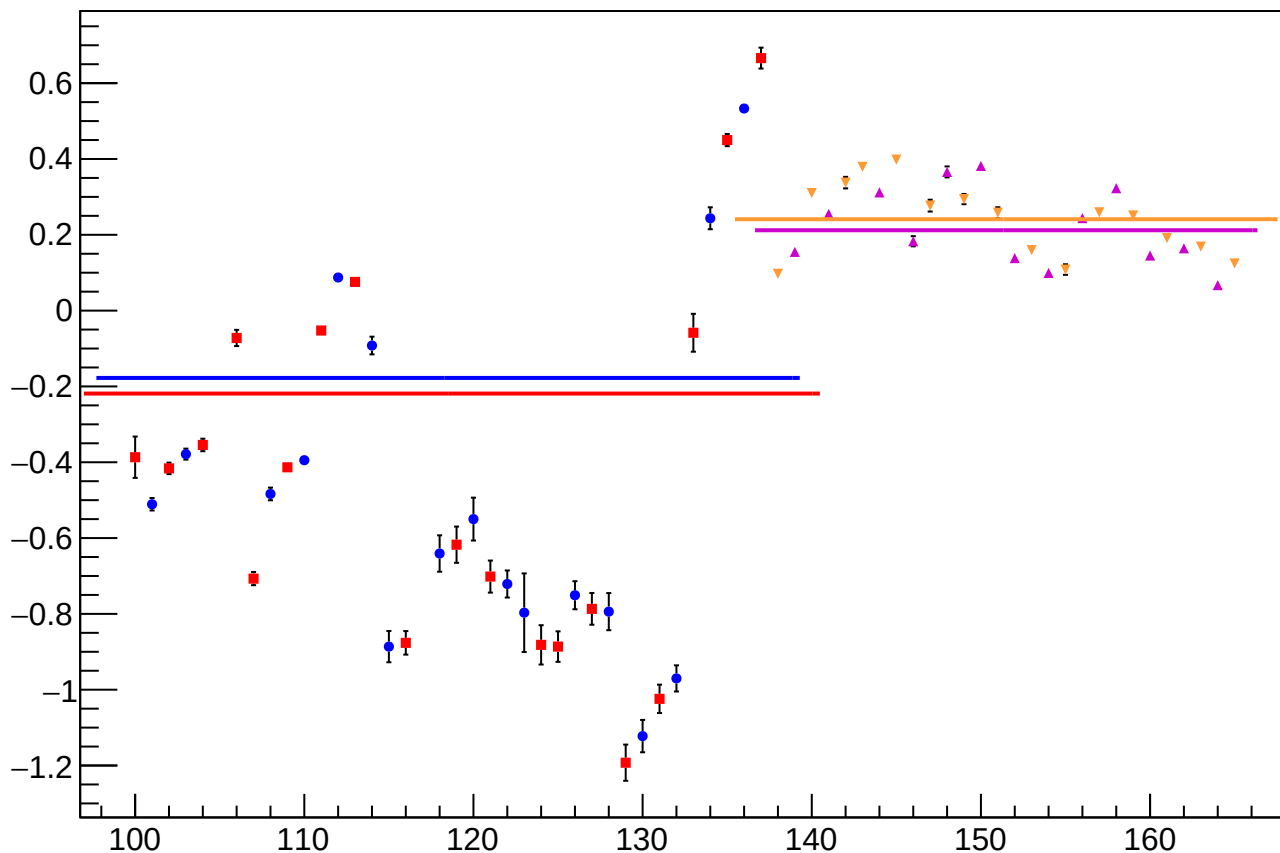
Right: 42.031 $\pm$ 0.059 χ^2 /NDF: 28978.3/35

In: 41.953 $\pm$ 0.054 χ^2 /NDF: 17411.5/29

Out: 40.566 $\pm$ 0.050 χ^2 /NDF: 22596.6/33

All: 41.209 $\pm$ 0.037 χ^2 /NDF: 40363.5/63

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.178 ± 0.005 χ^2/NDF : 7375.8/16

Left Out: 0.241 ± 0.003 χ^2/NDF : 940.6/14

Right Out: -0.219 ± 0.004 χ^2/NDF : 7470.0/18

Left In: 0.212 ± 0.003 χ^2/NDF : 867.1/12

Left: 0.227 ± 0.002 χ^2/NDF : 1850.9/27

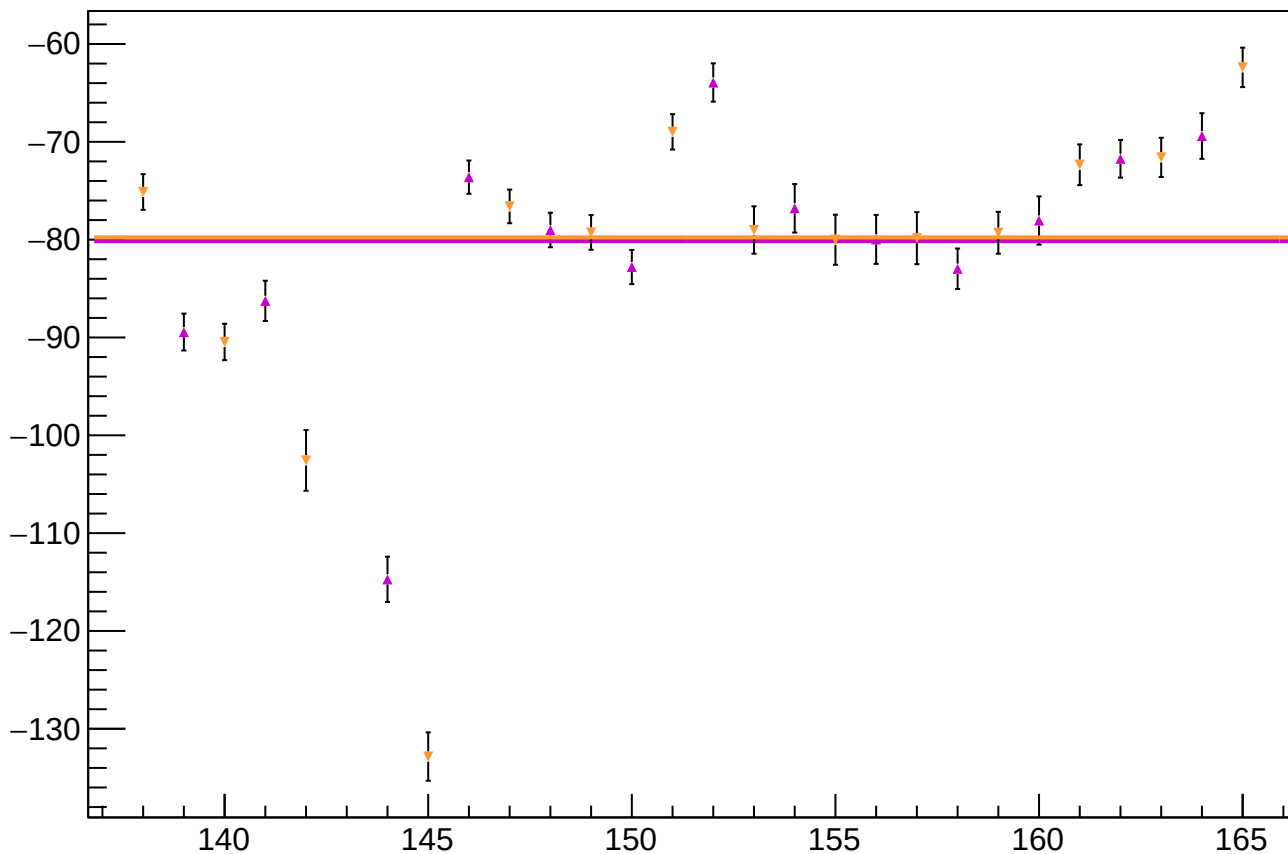
Right: -0.201 ± 0.003 χ^2/NDF : 14886.5/35

In: 0.092 ± 0.003 χ^2/NDF : 12741.9/29

Out: 0.087 ± 0.002 χ^2/NDF : 16025.8/33

All: 0.090 ± 0.002 χ^2/NDF : 28769.6/63

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



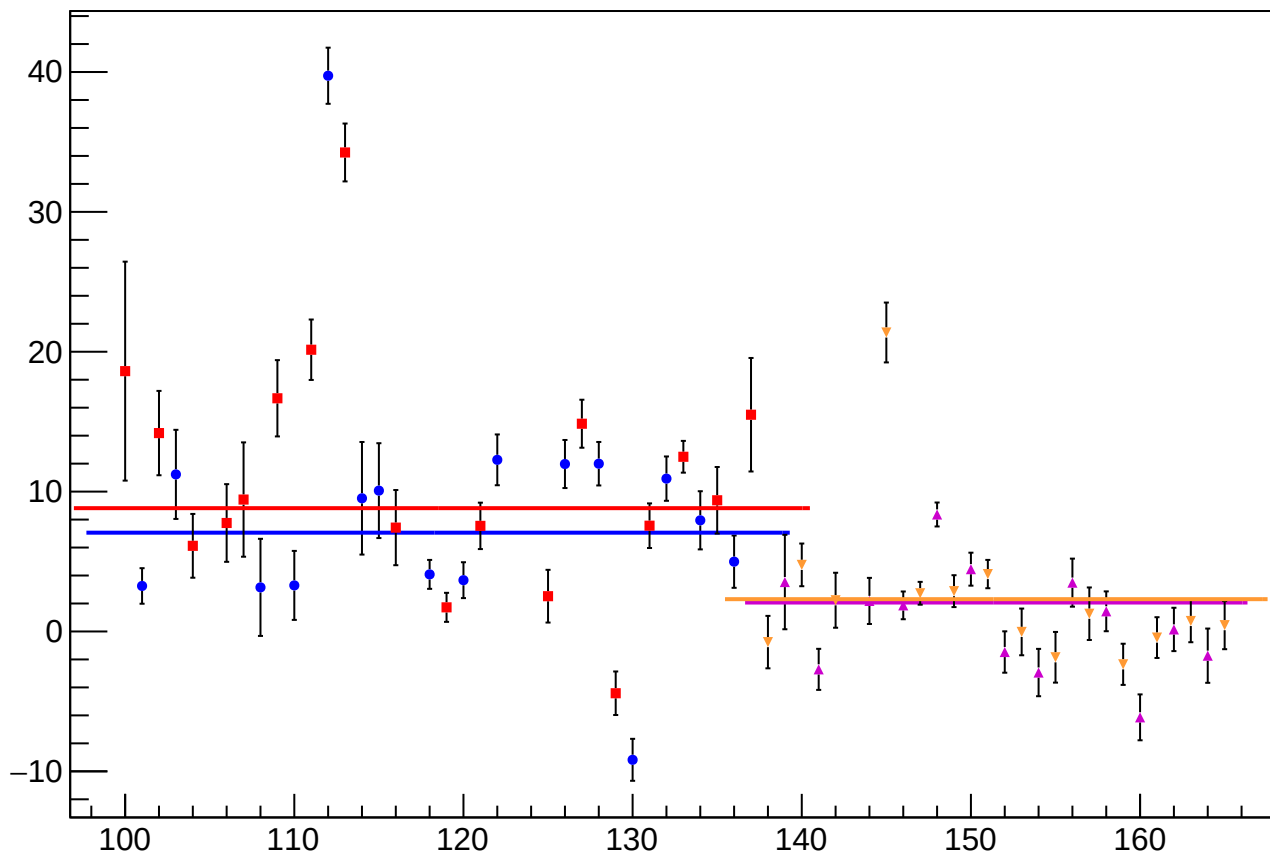
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -79.761+/-0.557 χ^2/NDF : 695.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -80.153+/-0.565 χ^2/NDF : 386.6/12

Left: -79.954+/-0.397 χ^2/NDF : 1082.7/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -80.153+/-0.565 χ^2/NDF : 386.6/12
 Out: -79.761+/-0.557 χ^2/NDF : 695.8/13

All: -79.954+/-0.397 χ^2/NDF : 1082.7/26

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.063 ± 0.434 χ^2/NDF : 446.9/15

Left Out: 2.309 ± 0.375 χ^2/NDF : 111.7/13

Right Out: 8.816 ± 0.449 χ^2/NDF : 350.4/17

Left In: 2.069 ± 0.386 χ^2/NDF : 114.7/12

Left: 2.192 ± 0.269 χ^2/NDF : 226.6/26

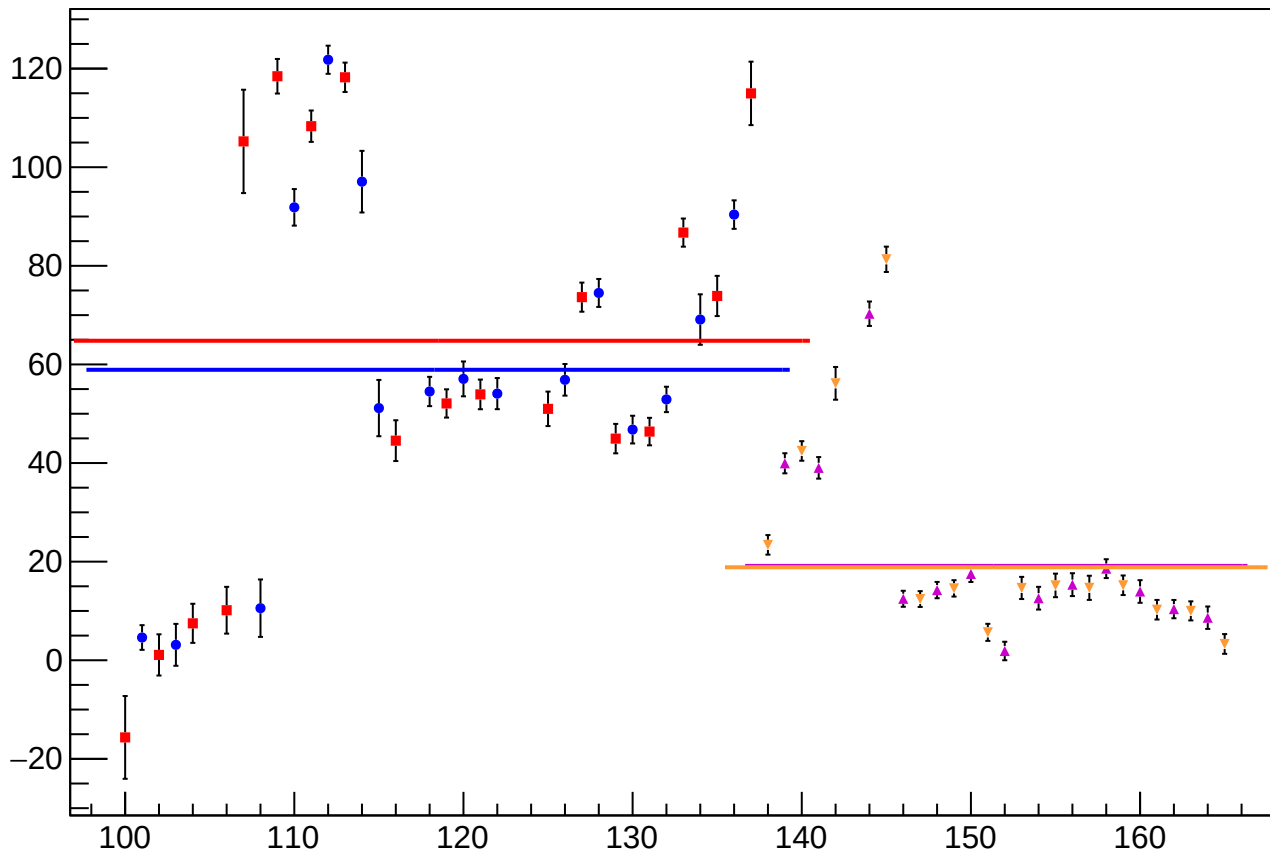
Right: 7.909 ± 0.312 χ^2/NDF : 805.1/33

In: 4.277 ± 0.288 χ^2/NDF : 635.6/28

Out: 4.987 ± 0.288 χ^2/NDF : 585.6/31

All: 4.632 ± 0.204 χ^2/NDF : 1224.3/60

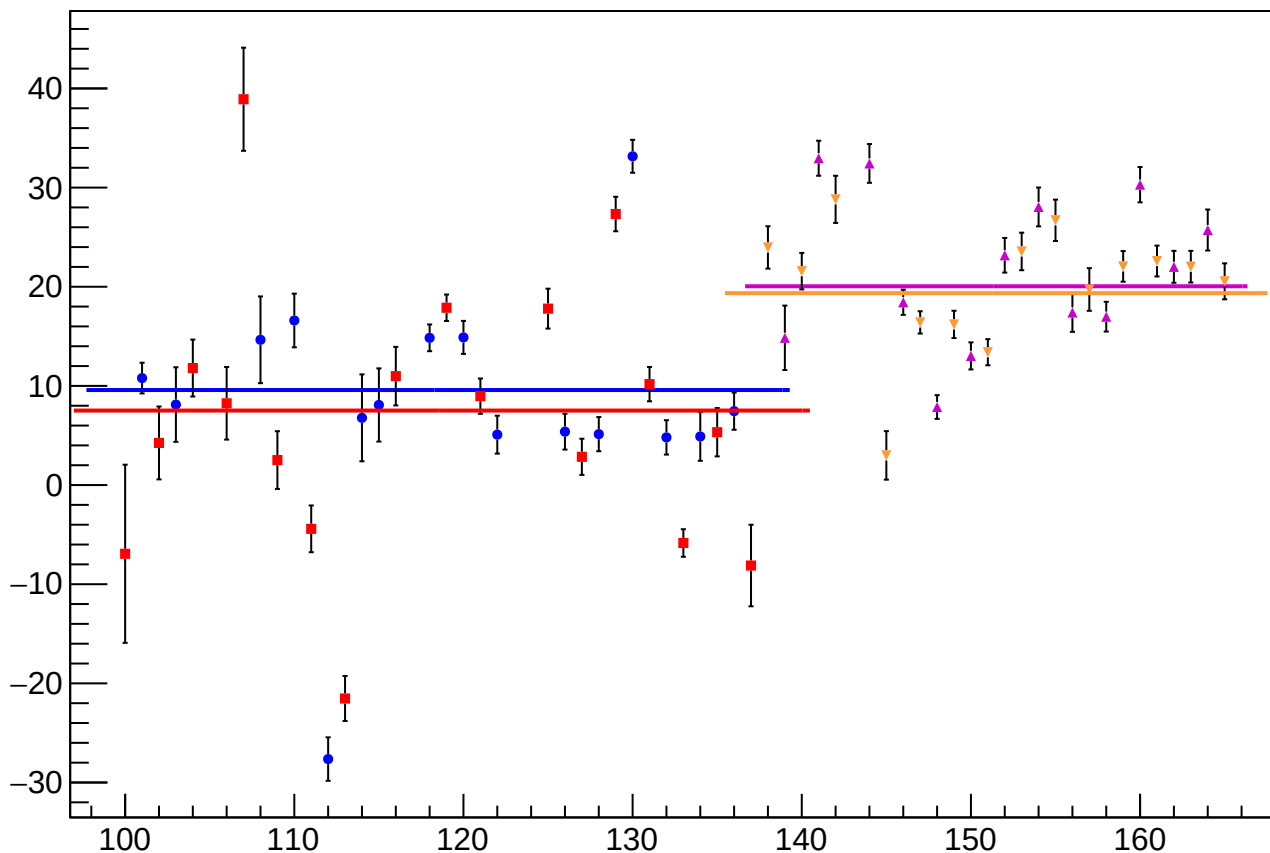
reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.913 $\pm$ 0.831 χ^2 /NDF: 1496.7/15
 Left Out: 18.858 $\pm$ 0.542 χ^2 /NDF:1057.3/13
 Right Out: 64.803 $\pm$ 0.840 χ^2 /NDF: 1718.2/17
 Left In: 19.134 $\pm$ 0.547 χ^2 /NDF:783.8/12

Left: 18.995 $\pm$ 0.385 χ^2 /NDF: 1841.3/26
 Right: 61.827 $\pm$ 0.591 χ^2 /NDF: 3239.7/33
 In: 31.160 $\pm$ 0.457 χ^2 /NDF:3877.6/28
 Out: 32.369 $\pm$ 0.456 χ^2 /NDF:4886.2/31
 All: 31.767 $\pm$ 0.323 χ^2 /NDF: 8767.3/60

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: 19.355 ± 0.447 $\chi^2/\text{NDF}: 127.2/13$

Right Out: 7.516 ± 0.516 $\chi^2/\text{NDF}: 569.8/17$

Left In: 20.048 ± 0.458 $\chi^2/\text{NDF}: 295.8/12$

Left: 19.692 ± 0.320 $\chi^2/\text{NDF}: 424.2/26$

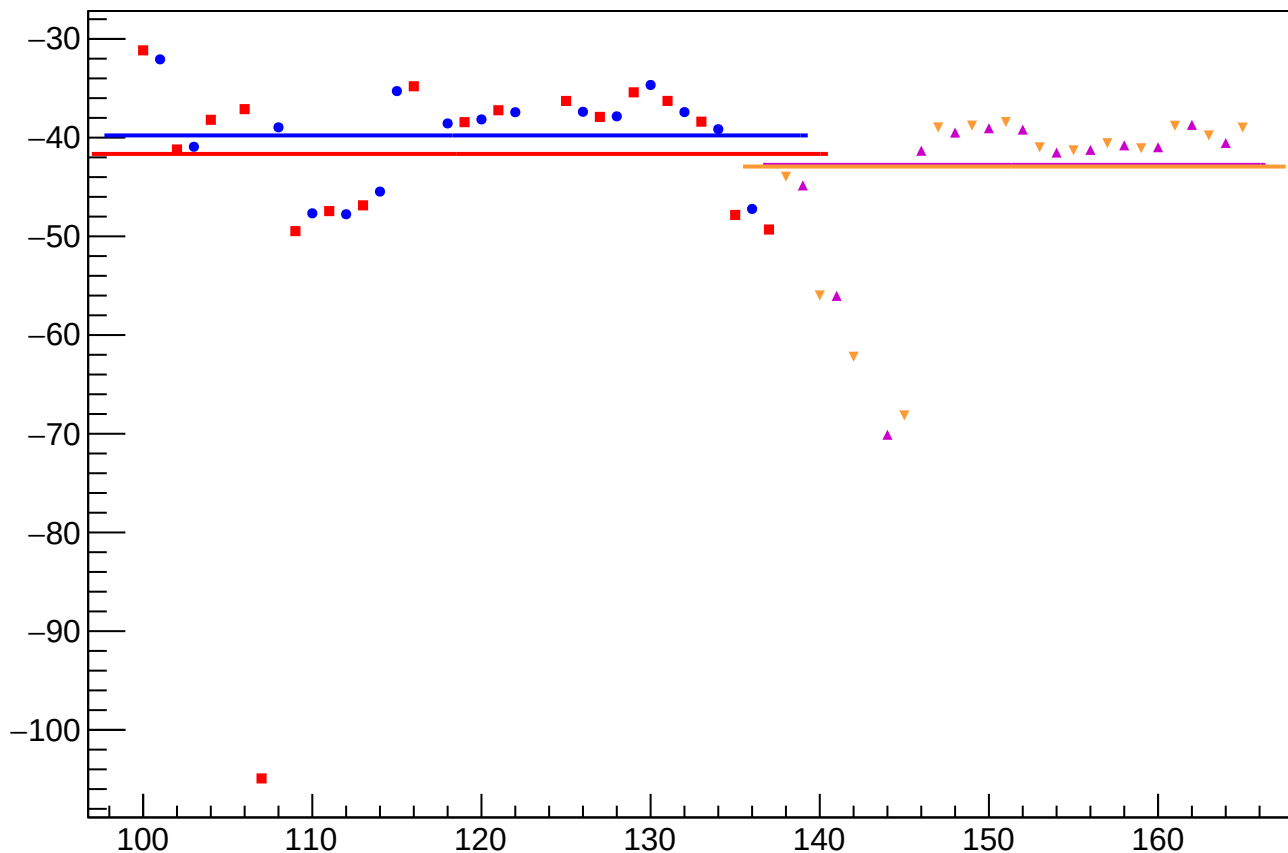
Right: 8.579 ± 0.359 $\chi^2/\text{NDF}: 1132.5/33$

In: 15.281 ± 0.338 $\chi^2/\text{NDF}: 1087.7/28$

Out: 14.277 ± 0.338 $\chi^2/\text{NDF}: 998.0/31$

All: 14.778 ± 0.239 $\chi^2/\text{NDF}: 2090.2/60$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.777 $\pm$ 0.031 χ^2 /NDF: 26158.0/15

Left Out: -42.931 $\pm$ 0.022 χ^2 /NDF:124457.6/13

Right Out: -41.651 $\pm$ 0.031 χ^2 /NDF: 94457.5/17

Left In: -42.757 $\pm$ 0.022 χ^2 /NDF:99676.3/12

Left: -42.844 $\pm$ 0.015 χ^2 /NDF: 224166.3/26

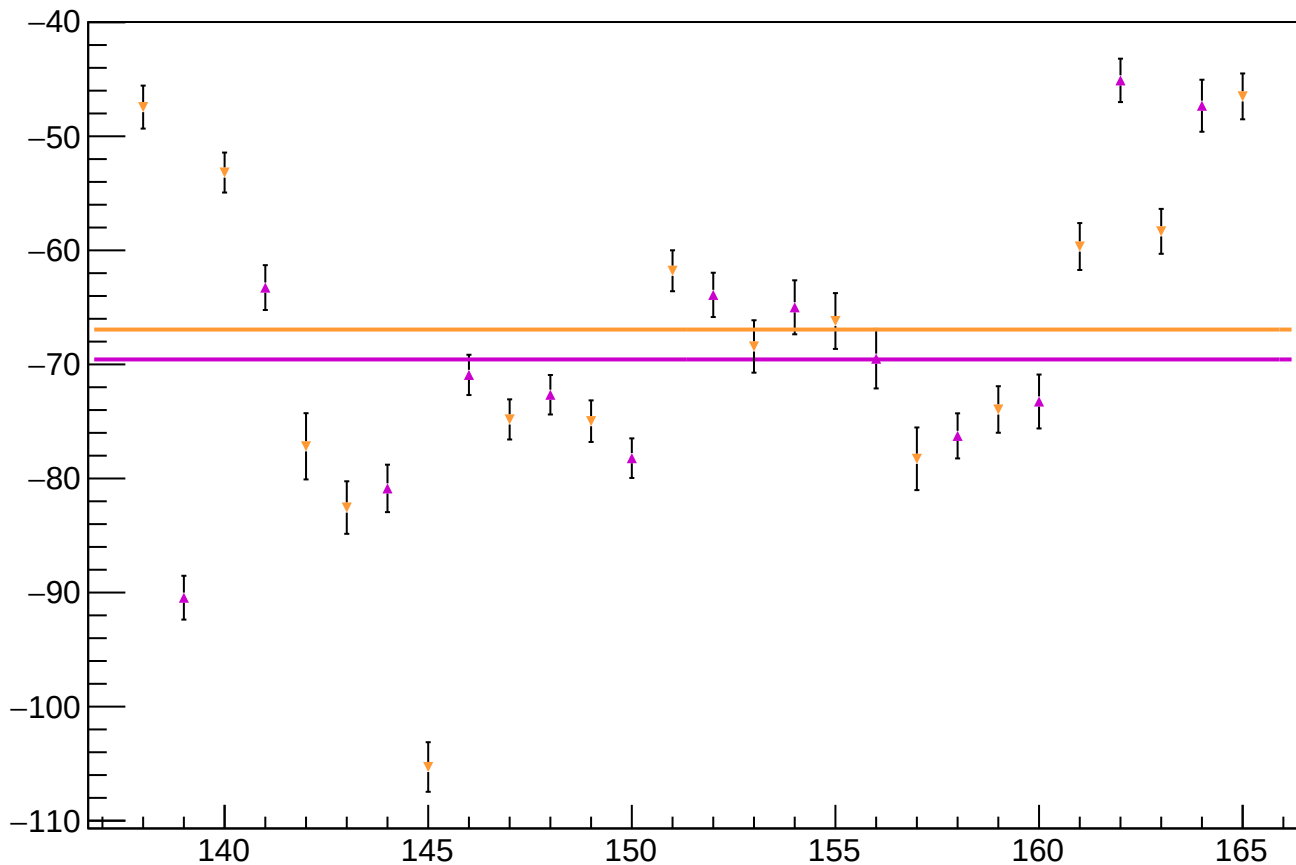
Right: -40.710 $\pm$ 0.022 χ^2 /NDF: 122427.7/33

In: -41.785 $\pm$ 0.018 χ^2 /NDF:132035.1/28

Out: -42.516 $\pm$ 0.018 χ^2 /NDF:220053.7/31

All: -42.150 $\pm$ 0.013 χ^2 /NDF: 352936.9/60

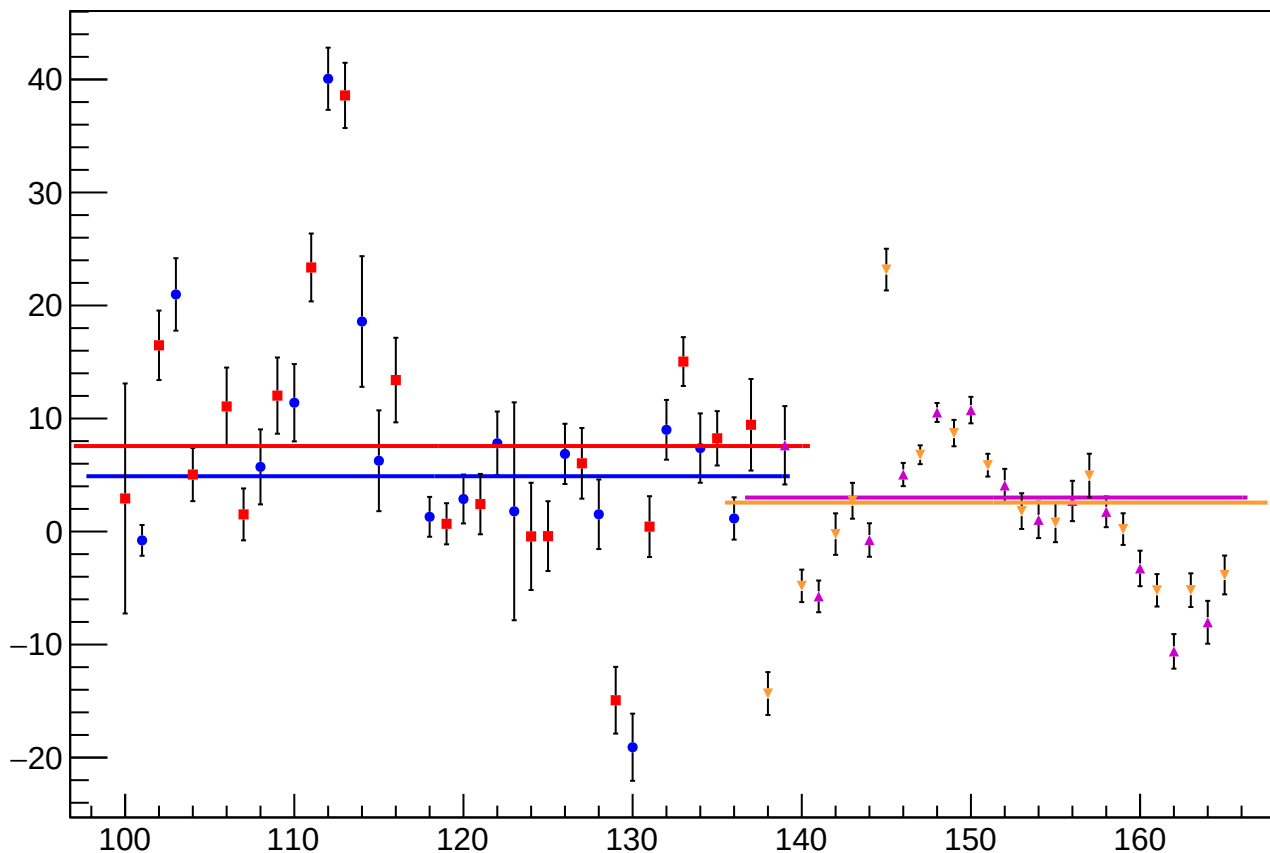
reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -66.943+/-0.532 χ^2/NDF : 750.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -69.564+/-0.555 χ^2/NDF : 473.3/12

Left: -68.197+/-0.384 χ^2/NDF : 1235.5/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -69.564+/-0.555 χ^2/NDF : 473.3/12
 Out: -66.943+/-0.532 χ^2/NDF : 750.5/14
 All: -68.197+/-0.384 χ^2/NDF : 1235.5/27

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.894 $\pm$ 0.621 χ^2 /NDF: 295.4/16

Left Out: 2.560 $\pm$ 0.361 χ^2 /NDF: 372.8/14

Right Out: 7.565 $\pm$ 0.652 χ^2 /NDF: 270.2/18

Left In: 3.007 $\pm$ 0.379 χ^2 /NDF: 306.9/12

Left: 2.773 $\pm$ 0.261 χ^2 /NDF: 680.5/27

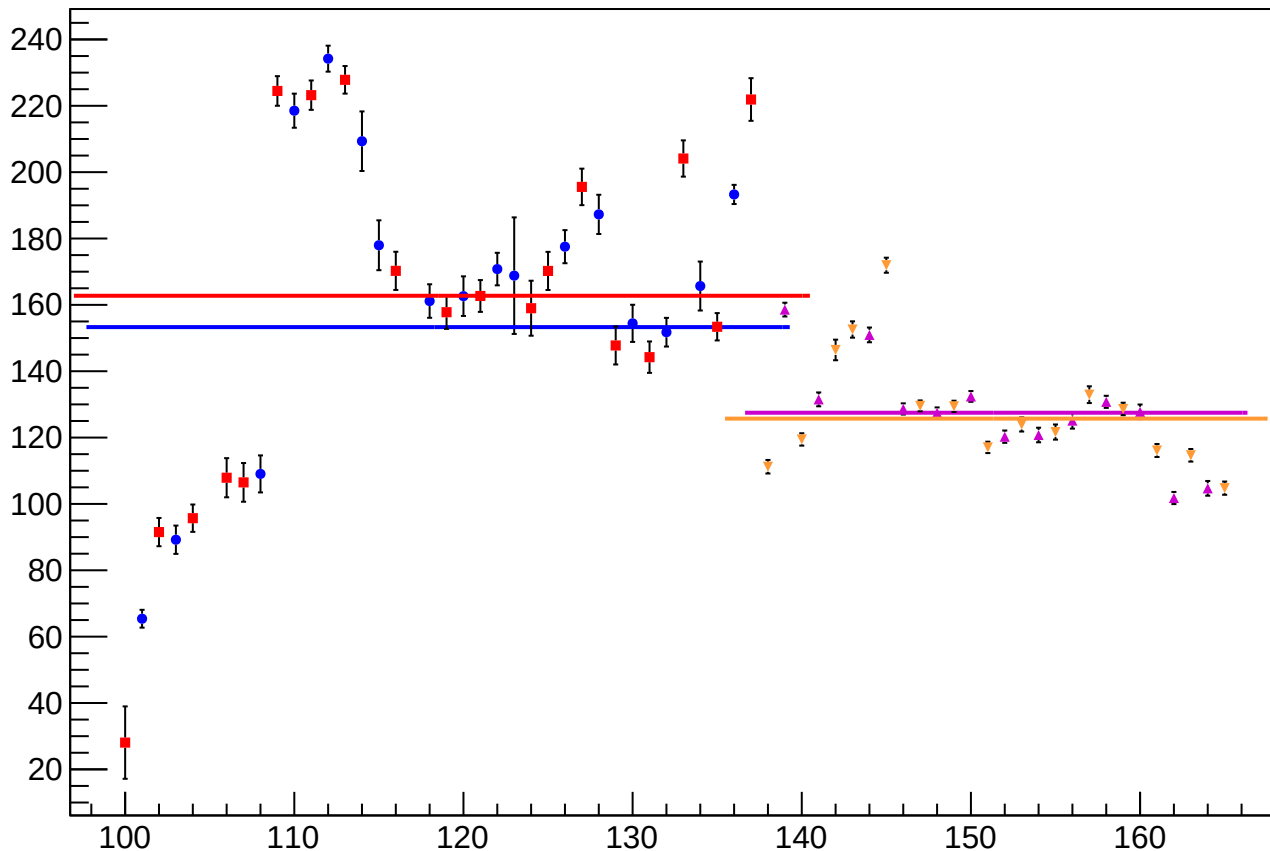
Right: 6.165 $\pm$ 0.450 χ^2 /NDF: 574.4/35

In: 3.519 $\pm$ 0.324 χ^2 /NDF: 609.0/29

Out: 3.734 $\pm$ 0.316 χ^2 /NDF: 688.2/33

All: 3.630 $\pm$ 0.226 χ^2 /NDF: 1297.4/63

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: 125.712 $\pm$ 0.521 χ^2 /NDF: 858.5/14

Right Out: 162.747 $\pm$ 1.177 χ^2 /NDF: 1708.7/18

Left In: 127.487 $\pm$ 0.539 χ^2 /NDF: 678.8/12

Left: 126.570 $\pm$ 0.375 χ^2 /NDF: 1543.0/27

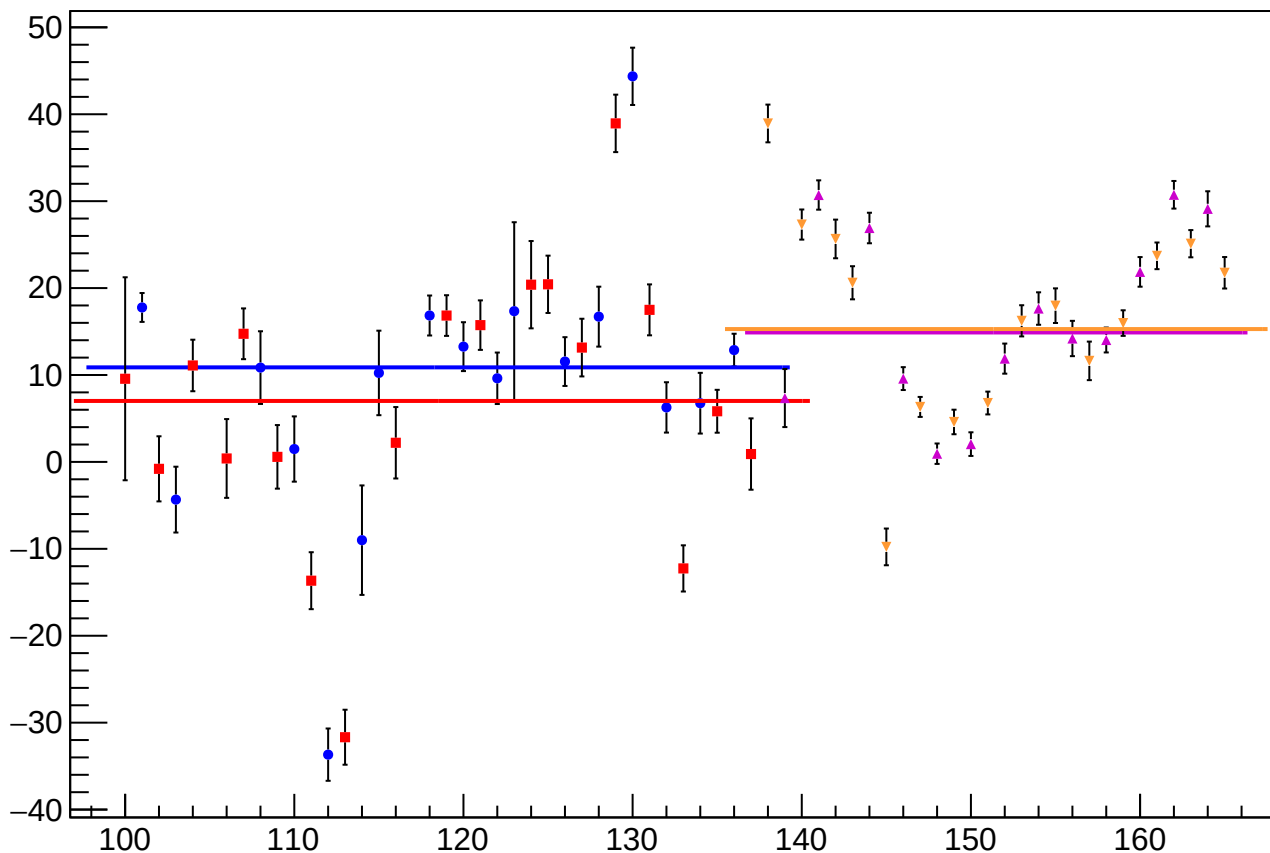
Right: 157.893 $\pm$ 0.820 χ^2 /NDF: 4008.6/35

In: 132.164 $\pm$ 0.487 χ^2 /NDF: 3361.9/29

Out: 131.787 $\pm$ 0.477 χ^2 /NDF: 3395.4/33

All: 131.972 $\pm$ 0.341 χ^2 /NDF: 6757.6/63

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.878 $\pm$ 0.713 χ^2 /NDF: 388.1/16

Left Out: 15.284 $\pm$ 0.428 χ^2 /NDF: 584.5/14

Right Out: 7.014 $\pm$ 0.748 χ^2 /NDF: 424.5/18

Left In: 14.893 $\pm$ 0.450 χ^2 /NDF: 557.7/12

Left: 15.098 $\pm$ 0.310 χ^2 /NDF: 1142.5/27

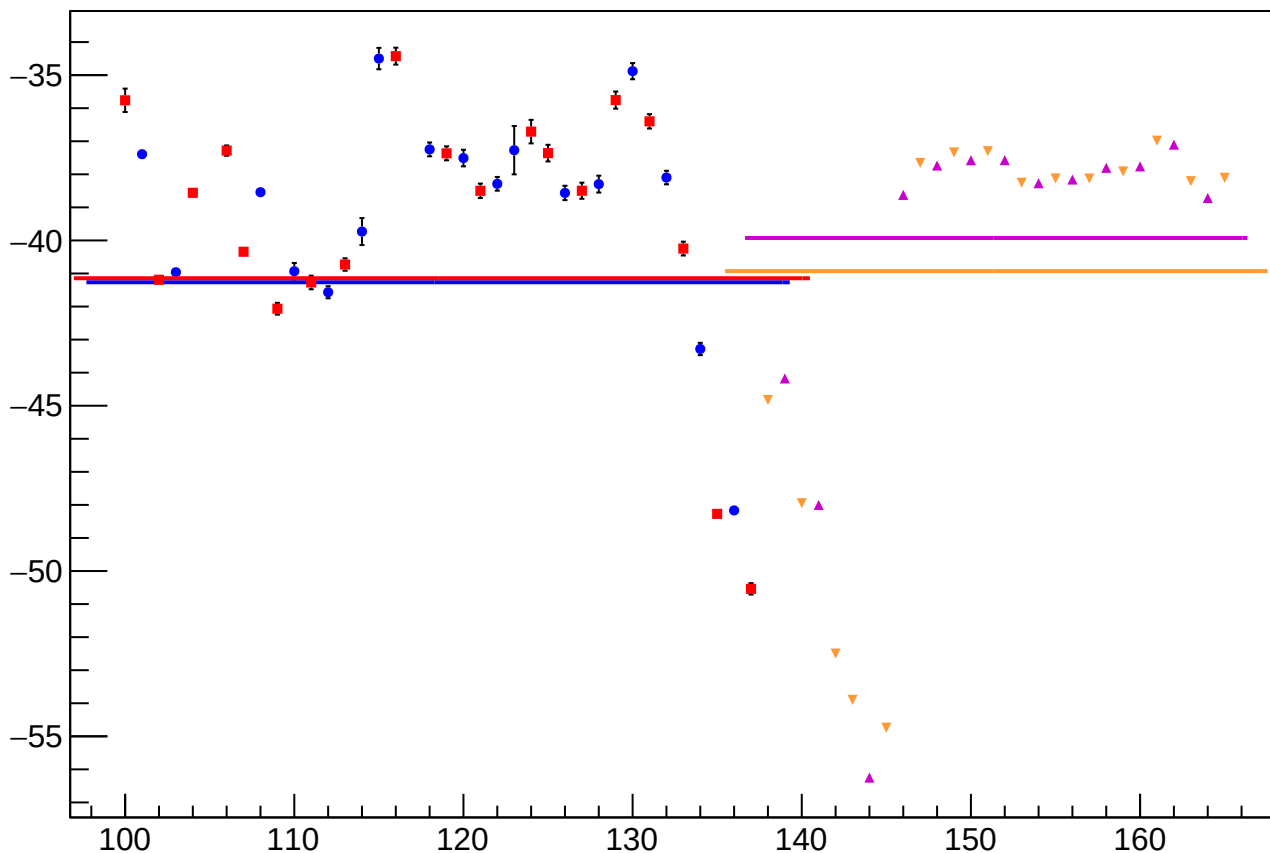
Right: 9.038 $\pm$ 0.516 χ^2 /NDF: 826.6/35

In: 13.751 $\pm$ 0.380 χ^2 /NDF: 968.4/29

Out: 13.242 $\pm$ 0.372 χ^2 /NDF: 1101.0/33

All: 13.491 $\pm$ 0.266 χ^2 /NDF: 2070.3/63

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.265 ± 0.038 $\chi^2/\text{NDF}: 12570.1/16$

Left Out: -40.928 ± 0.021 $\chi^2/\text{NDF}: 76804.1/14$

Right Out: -41.144 ± 0.039 $\chi^2/\text{NDF}: 12218.7/18$

Left In: -39.926 ± 0.021 $\chi^2/\text{NDF}: 48438.6/12$

Left: -40.440 ± 0.015 $\chi^2/\text{NDF}: 126381.1/27$

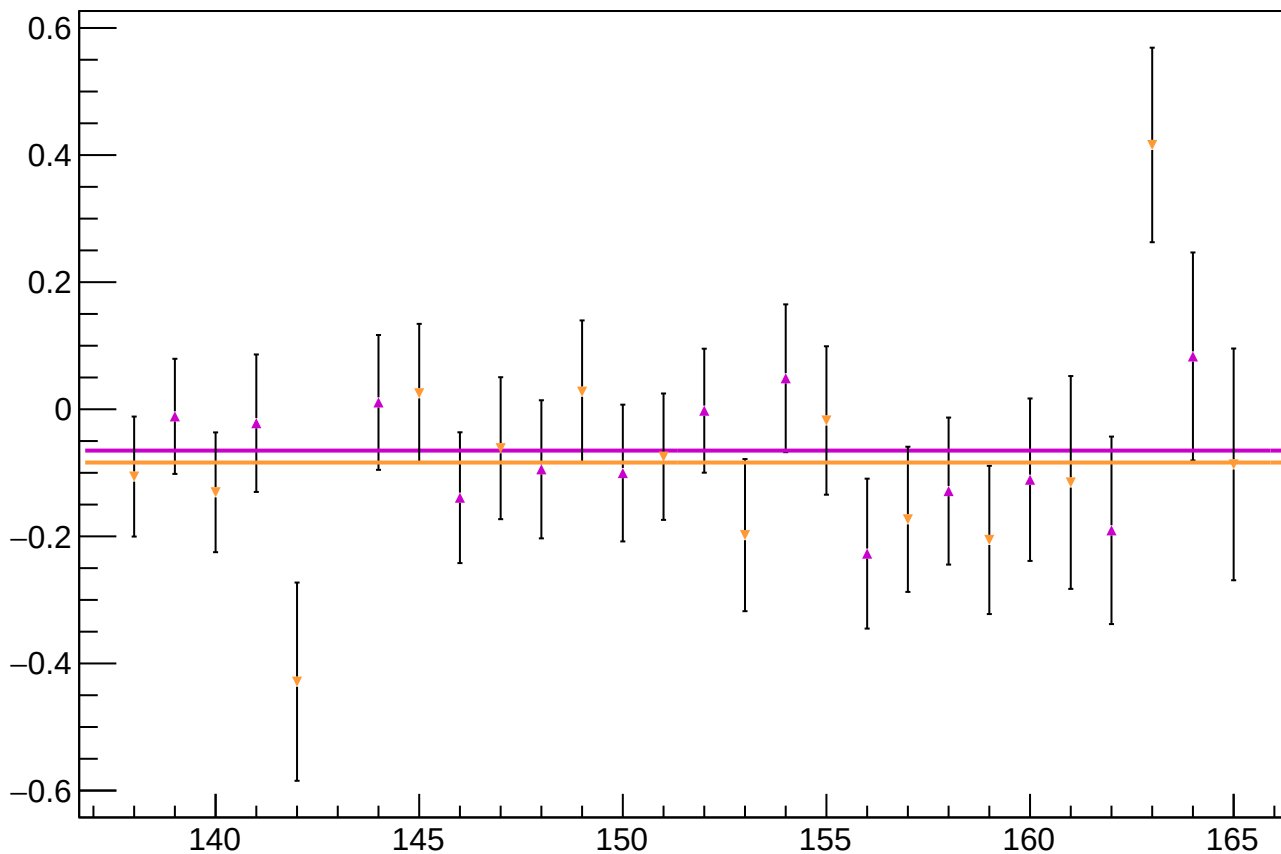
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24793.7/35$

In: -40.239 ± 0.019 $\chi^2/\text{NDF}: 61936.3/29$

Out: -40.977 ± 0.018 $\chi^2/\text{NDF}: 89046.9/33$

All: -40.615 ± 0.013 $\chi^2/\text{NDF}: 151781.7/63$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.084+/-0.031 χ^2/NDF : 20.8/13

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

Left In: -0.065+/-0.031 χ^2/NDF : 7.0/12

Left: -0.074+/-0.022 χ^2/NDF : 28.0/26

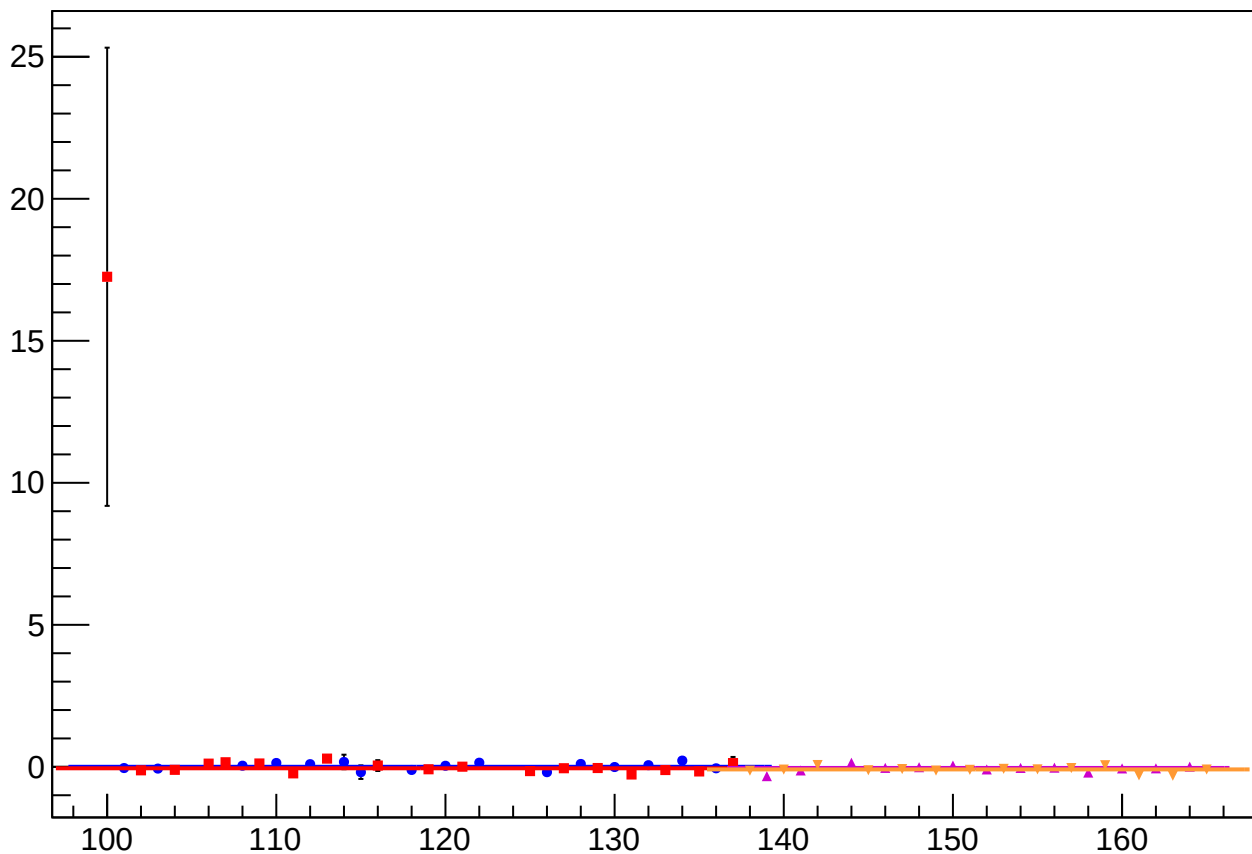
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.065+/-0.031 χ^2/NDF : 7.0/12

Out: -0.084+/-0.031 χ^2/NDF : 20.8/13

All: -0.074+/-0.022 χ^2/NDF : 28.0/26

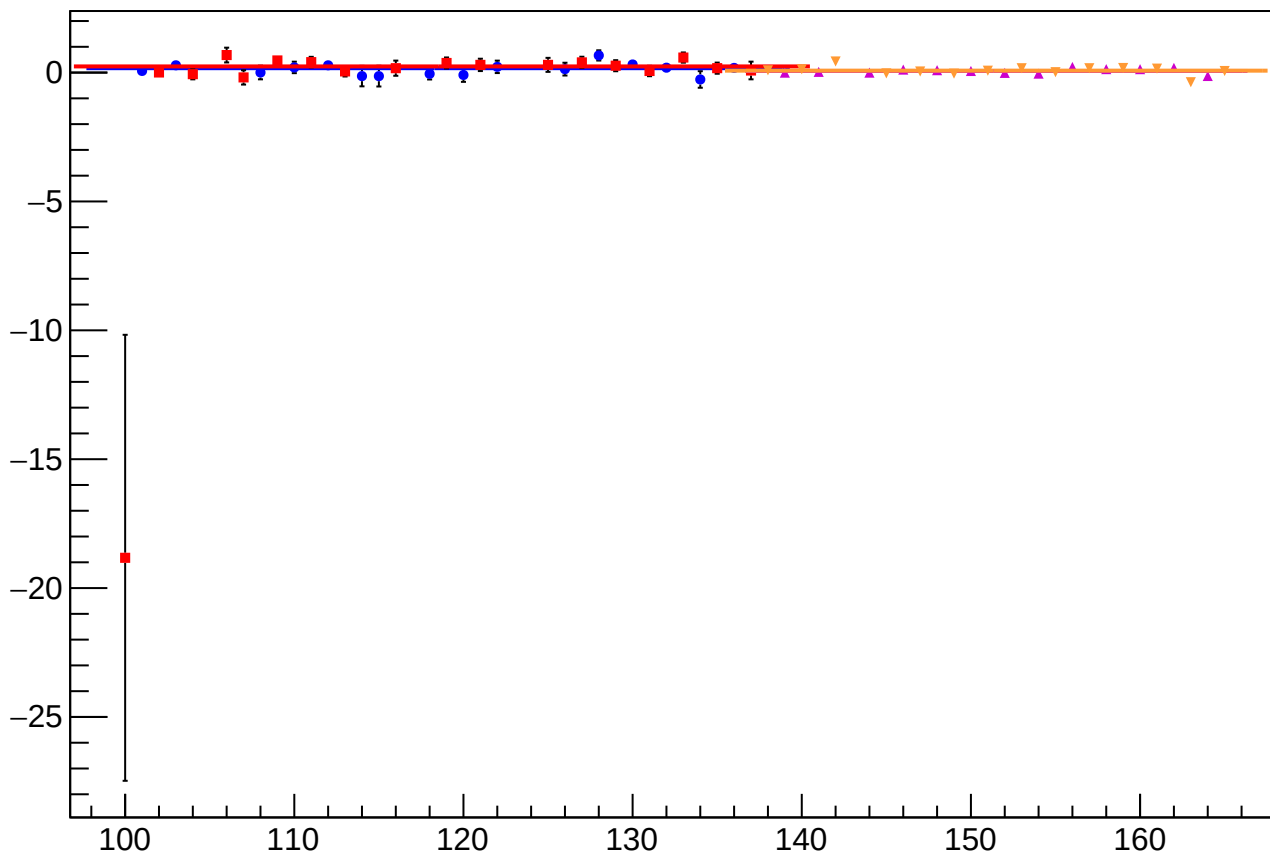
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 12.5/15$
 Left Out: -0.090 ± 0.022 $\chi^2/\text{NDF}: 13.7/13$
 Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 25.8/17$
 Left In: -0.039 ± 0.022 $\chi^2/\text{NDF}: 16.6/12$

Left: -0.065 ± 0.015 $\chi^2/\text{NDF}: 33.0/26$
 Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 40.0/33$
 In: -0.024 ± 0.017 $\chi^2/\text{NDF}: 30.5/28$
 Out: -0.077 ± 0.017 $\chi^2/\text{NDF}: 40.6/31$
 All: -0.050 ± 0.012 $\chi^2/\text{NDF}: 75.7/60$

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: 0.074 $\pm$ 0.031 χ^2 /NDF:19.2/13

Right Out: 0.239 $\pm$ 0.054 χ^2 /NDF: 21.8/17

Left In: 0.062 $\pm$ 0.030 χ^2 /NDF:7.8/12

Left: 0.068 $\pm$ 0.022 χ^2 /NDF: 27.1/26

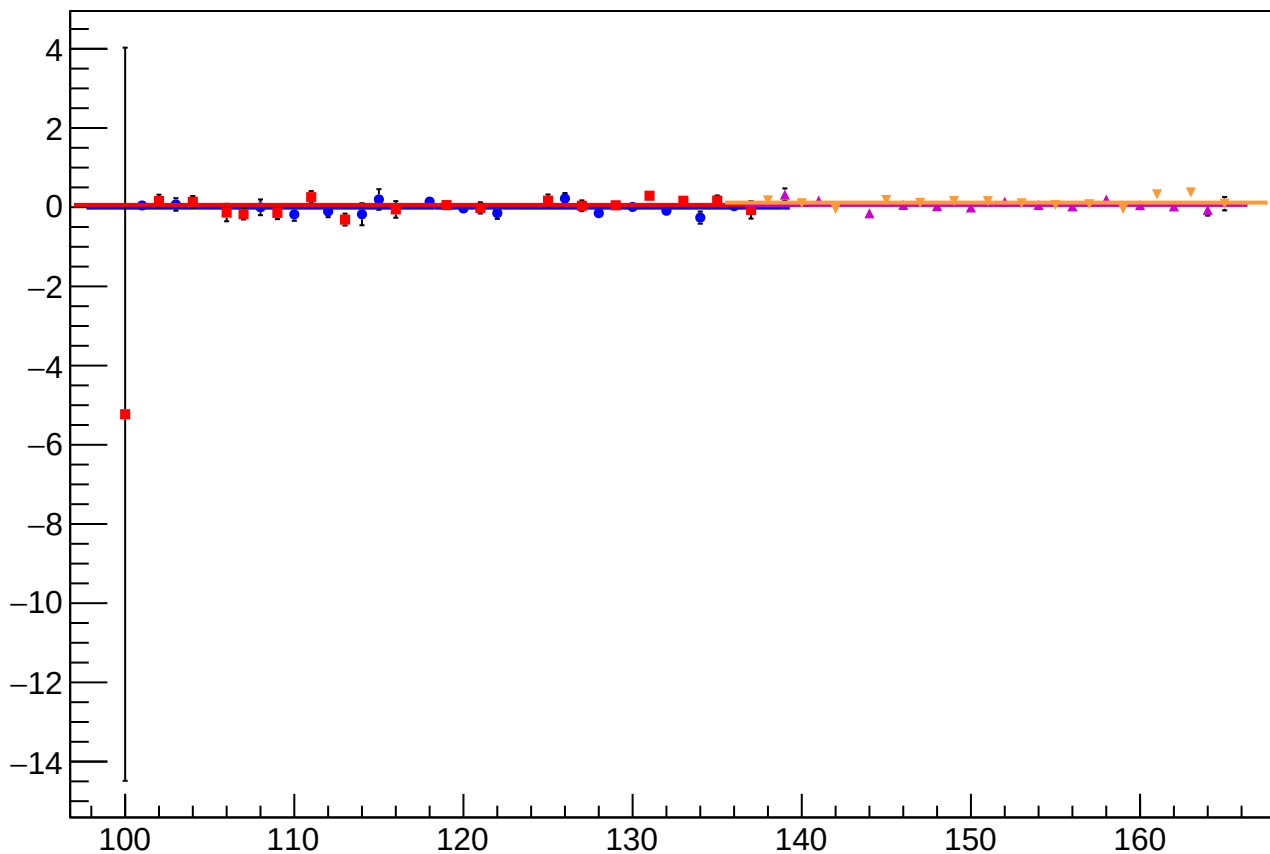
Right: 0.204 $\pm$ 0.038 χ^2 /NDF: 36.3/33

In: 0.089 $\pm$ 0.026 χ^2 /NDF:24.7/28

Out: 0.115 $\pm$ 0.027 χ^2 /NDF:48.1/31

All: 0.102 $\pm$ 0.019 χ^2 /NDF: 73.2/60

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 13.8/15

Left Out: 0.116 ± 0.026 χ^2/NDF : 14.5/13

Right Out: 0.059 ± 0.034 χ^2/NDF : 20.6/17

Left In: 0.057 ± 0.026 χ^2/NDF : 14.9/12

Left: 0.087 ± 0.018 χ^2/NDF : 32.0/26

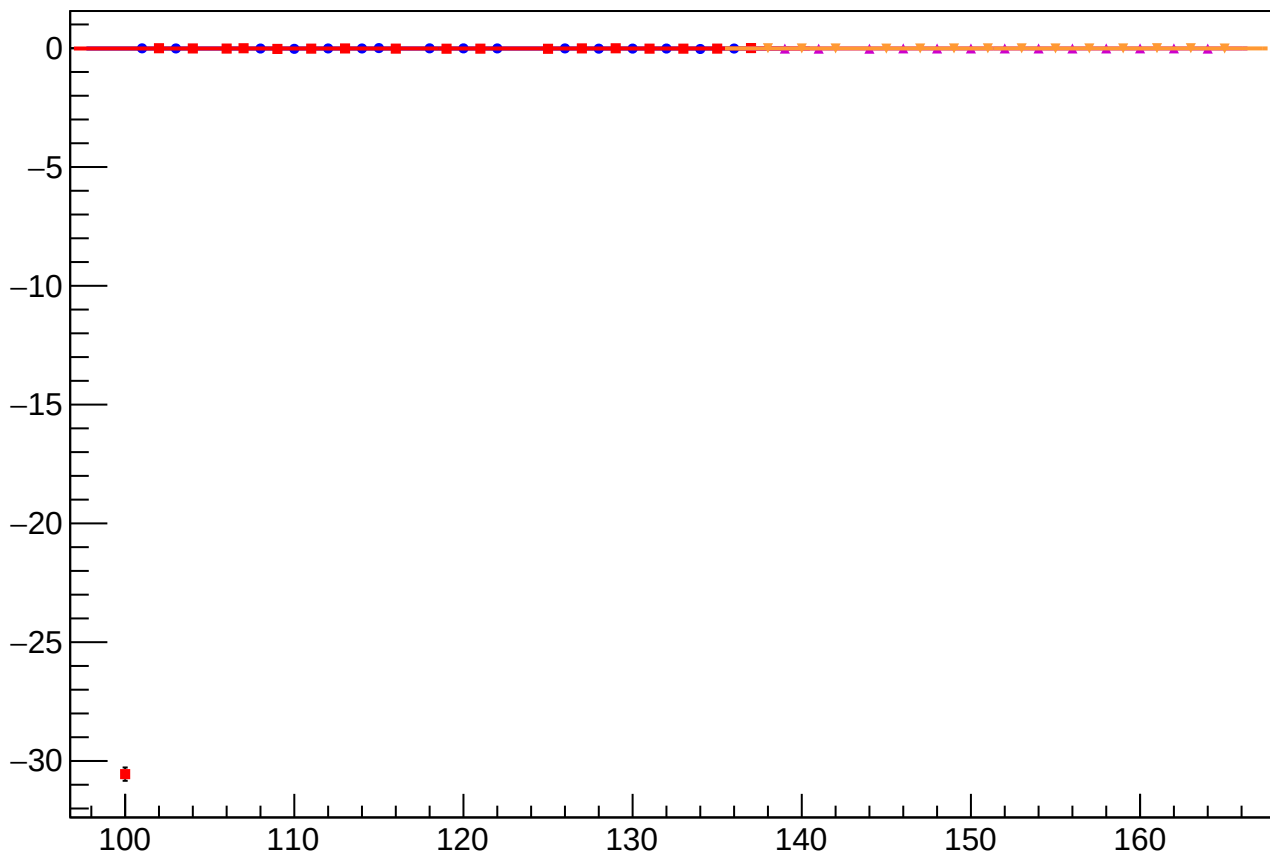
Right: 0.022 ± 0.023 χ^2/NDF : 36.5/33

In: 0.031 ± 0.020 χ^2/NDF : 31.4/28

Out: 0.095 ± 0.021 χ^2/NDF : 36.9/31

All: 0.062 ± 0.014 χ^2/NDF : 73.2/60

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.9/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 12.3/13

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.5/17

Left In: -0.011 ± 0.001 χ^2/NDF : 12.4/12

Left: -0.009 ± 0.001 χ^2/NDF : 26.8/26

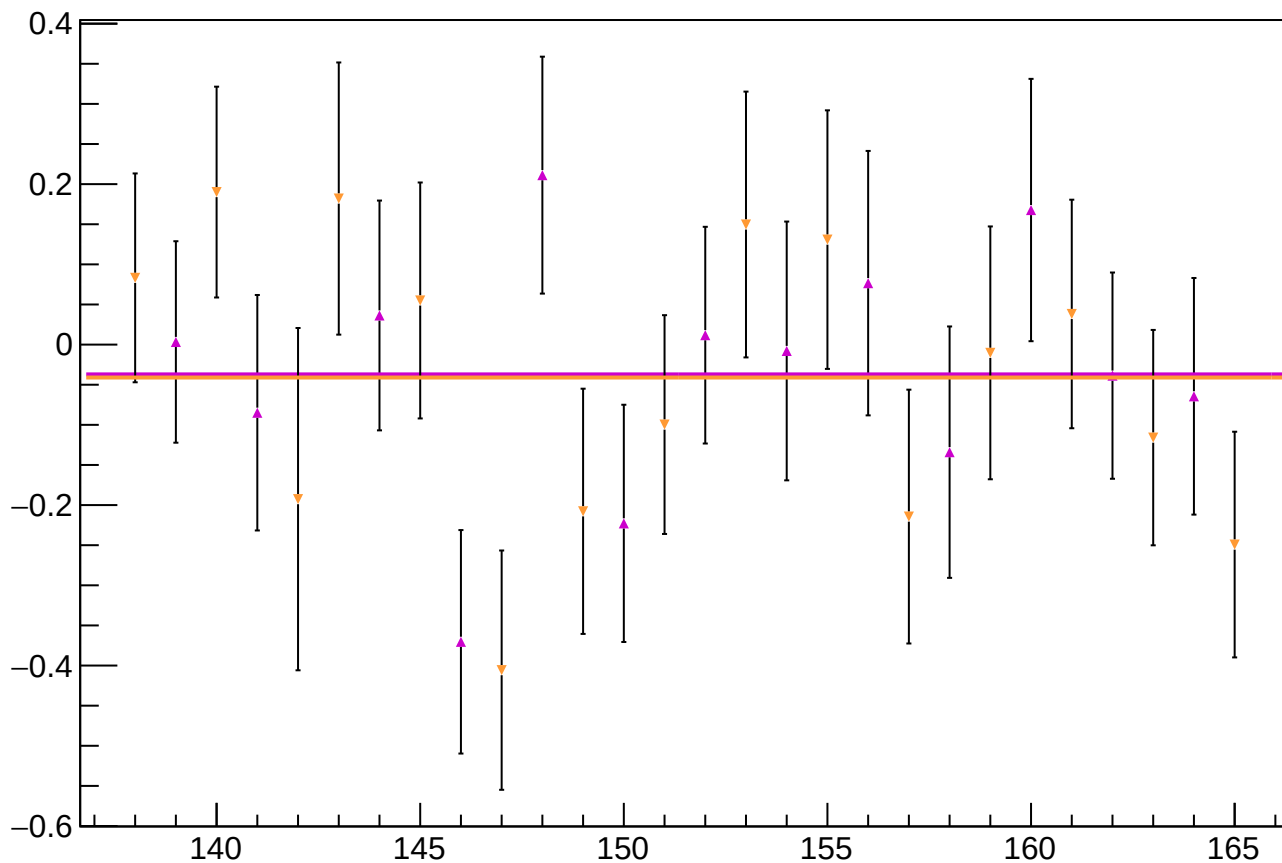
Right: -0.012 ± 0.001 χ^2/NDF : 11904.4/33

In: -0.011 ± 0.001 χ^2/NDF : 25.6/28

Out: -0.009 ± 0.001 χ^2/NDF : 11907.0/31

All: -0.010 ± 0.001 χ^2/NDF : 11933.9/60

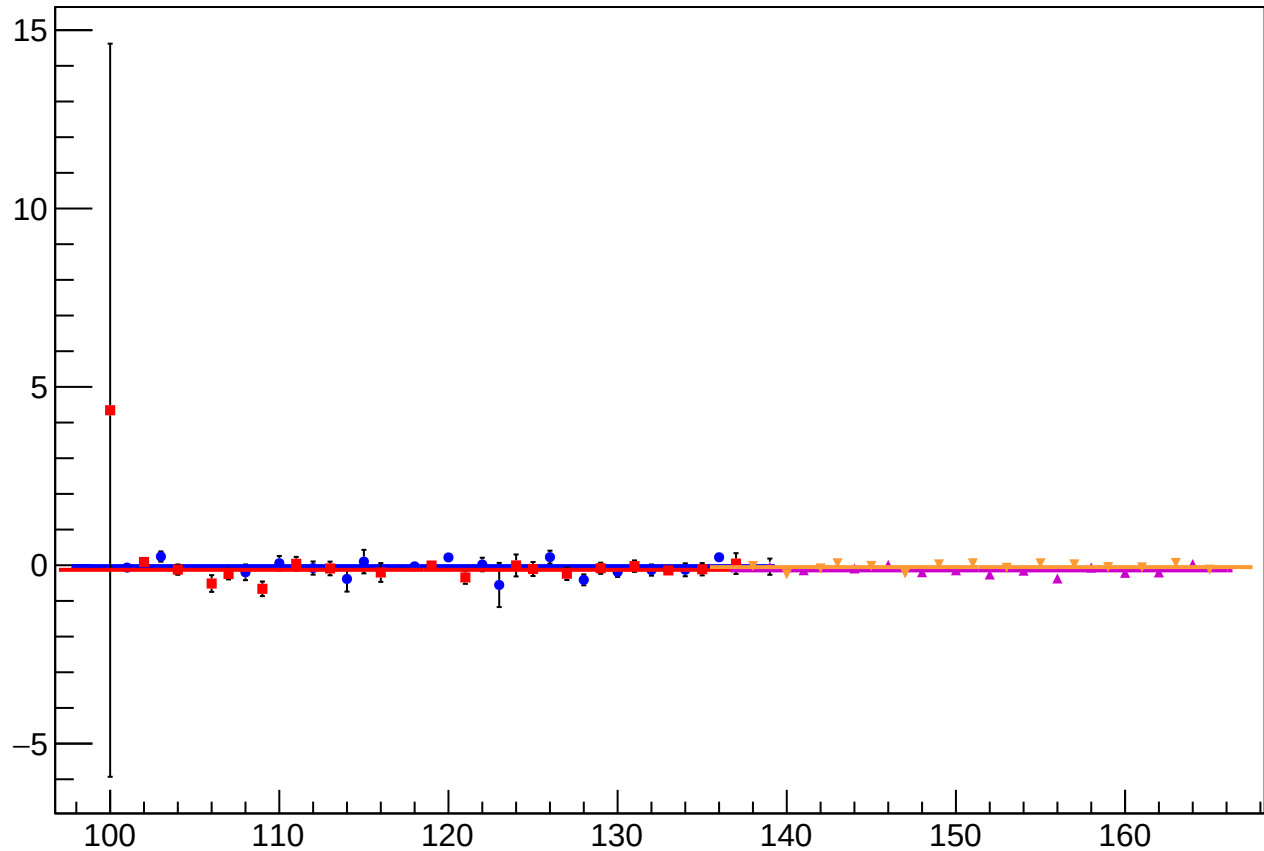
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.041 $\pm$ 0.039 χ^2 /NDF:20.5/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.037 $\pm$ 0.040 χ^2 /NDF:13.2/12

Left: -0.039 $\pm$ 0.028 χ^2 /NDF: 33.8/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.037 $\pm$ 0.040 χ^2 /NDF:13.2/12
 Out: -0.041 $\pm$ 0.039 χ^2 /NDF:20.5/14
 All: -0.039 $\pm$ 0.028 χ^2 /NDF: 33.8/27

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 23.4/16

Left Out: -0.053 ± 0.027 χ^2/NDF : 16.4/14

Right Out: -0.128 ± 0.039 χ^2/NDF : 17.6/18

Left In: -0.144 ± 0.029 χ^2/NDF : 13.1/12

Left: -0.096 ± 0.020 χ^2/NDF : 34.9/27

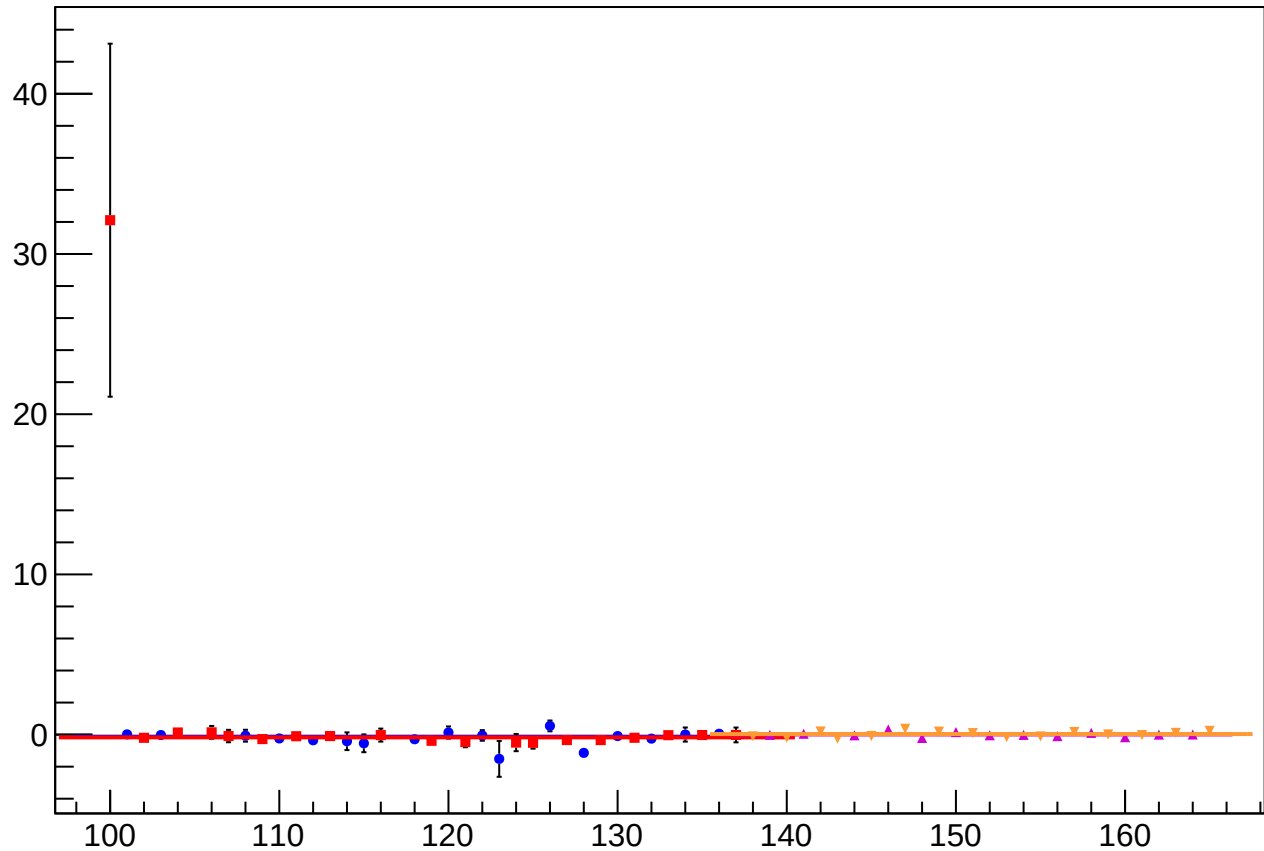
Right: -0.072 ± 0.027 χ^2/NDF : 44.7/35

In: -0.099 ± 0.022 χ^2/NDF : 43.2/29

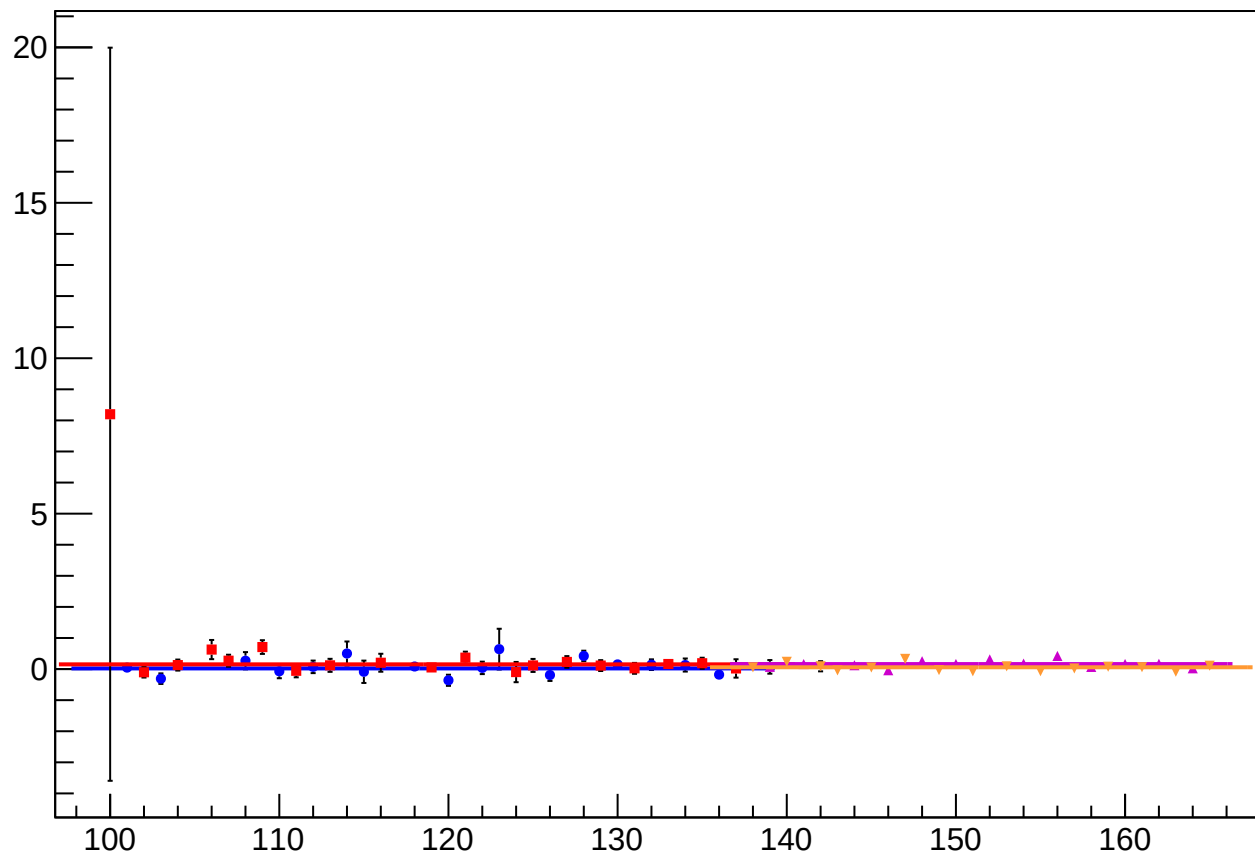
Out: -0.077 ± 0.022 χ^2/NDF : 36.5/33

All: -0.088 ± 0.016 χ^2/NDF : 80.1/63

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 22.5/16

Left Out: 0.058+/-0.032 χ^2/NDF :15.3/14

Right Out: 0.152+/-0.045 χ^2/NDF : 16.2/18

Left In: 0.161+/-0.033 χ^2/NDF :12.1/12

Left: 0.107+/-0.023 χ^2/NDF : 32.4/27

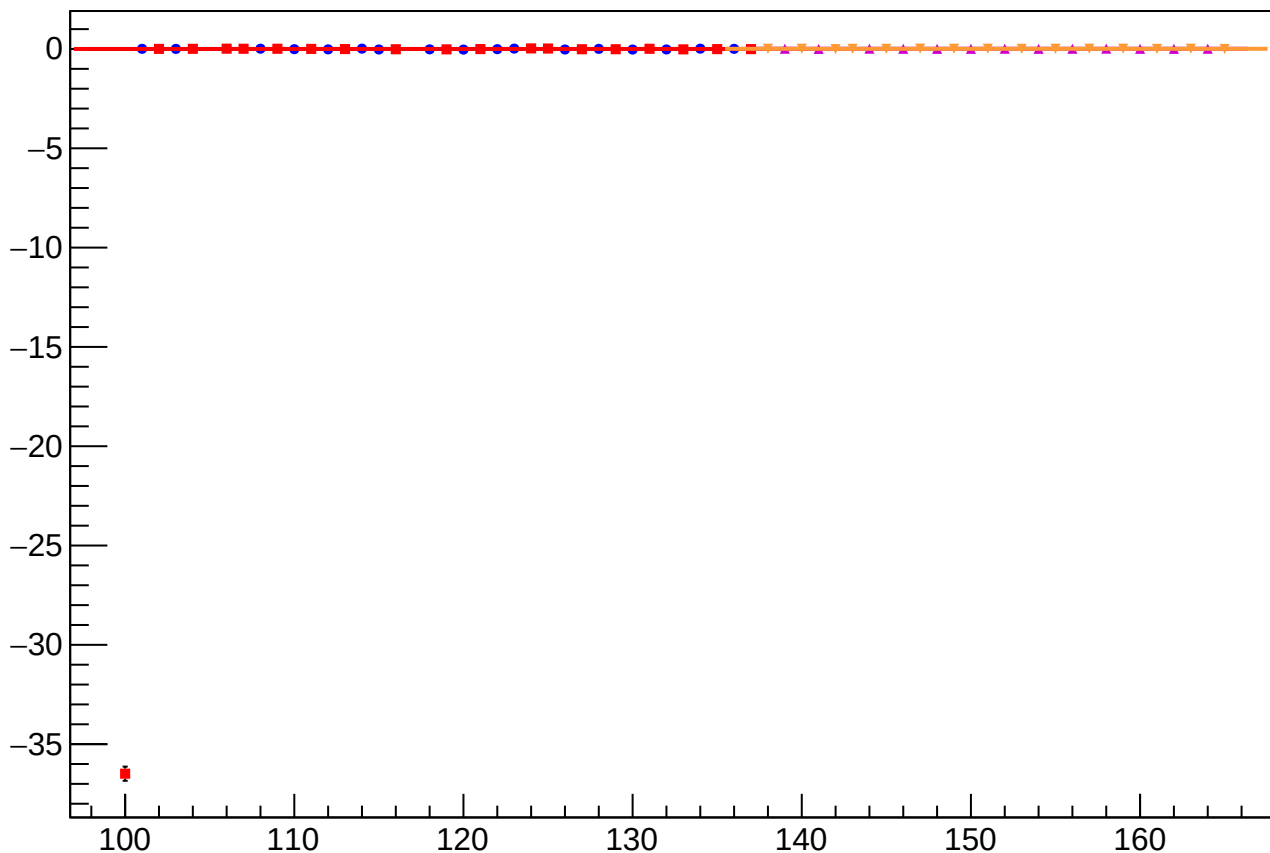
Right: 0.082+/-0.031 χ^2/NDF : 43.2/35

In: 0.107+/-0.026 χ^2/NDF :41.4/29

Out: 0.088+/-0.026 χ^2/NDF :34.4/33

All: 0.098+/-0.018 χ^2/NDF : 76.1/63

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 32.4/16

Left Out: 0.010 $\pm$ 0.001 χ^2 /NDF: 8.8/14

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.002 χ^2 /NDF: 5.7/12

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 14.7/27

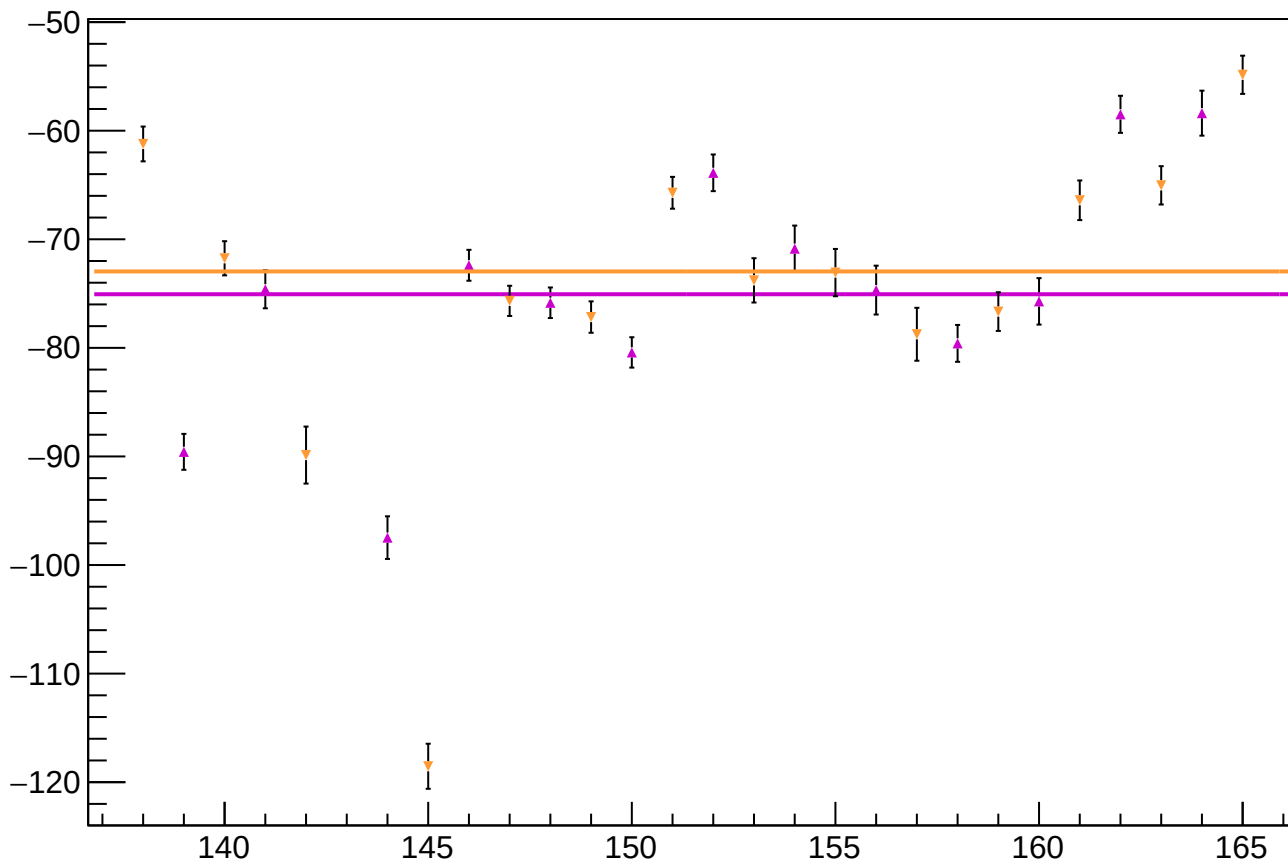
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10481.5/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 51.4/29

Out: 0.007 $\pm$ 0.001 χ^2 /NDF: 10468.7/33

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10520.2/63

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



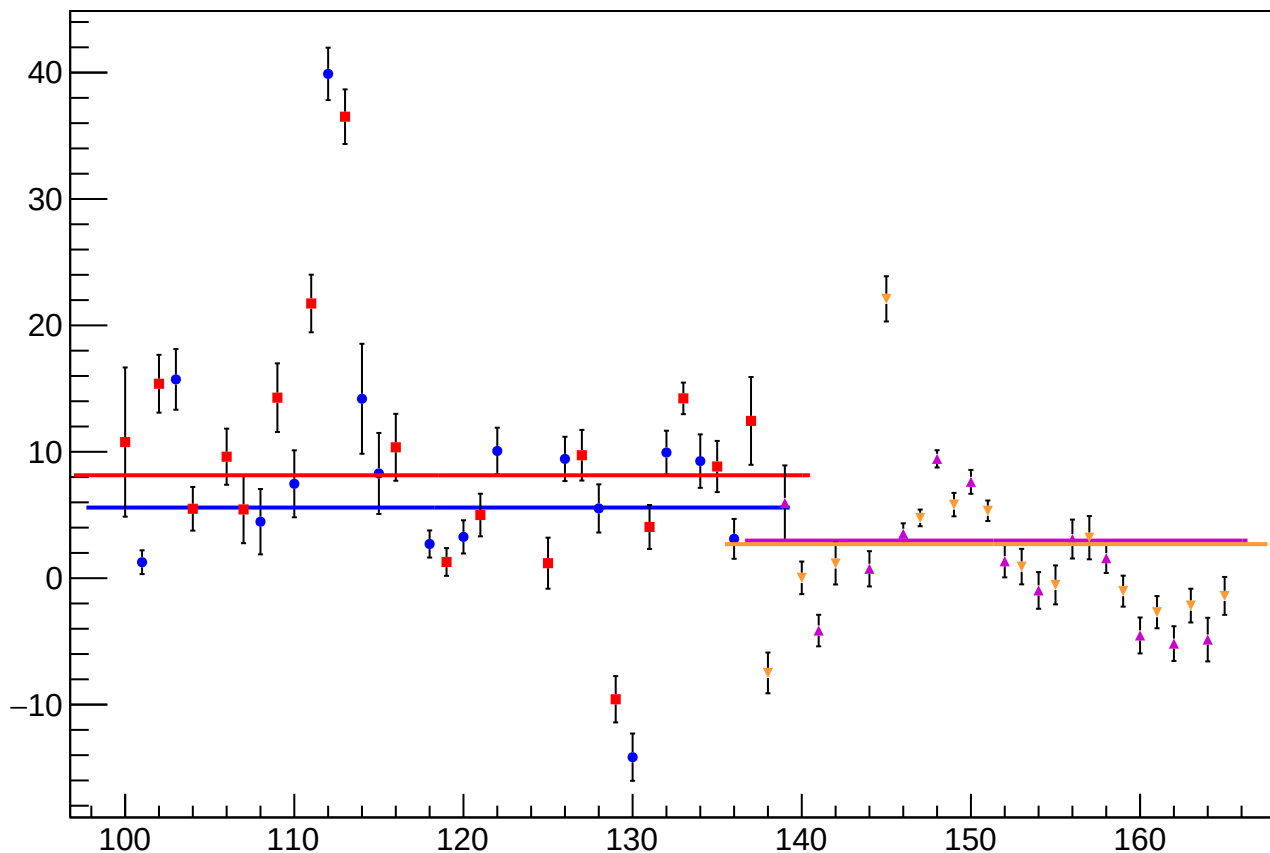
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -72.963+/-0.471 χ^2/NDF : 763.6/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -75.062+/-0.478 χ^2/NDF : 439.7/12

Left: -73.996+/-0.336 χ^2/NDF : 1213.1/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -75.062+/-0.478 χ^2/NDF : 439.7/12
 Out: -72.963+/-0.471 χ^2/NDF : 763.6/13

All: -73.996+/-0.336 χ^2/NDF : 1213.1/26

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.589 ± 0.424 $\chi^2/\text{NDF}: 462.8/15$

Left Out: 2.692 ± 0.313 $\chi^2/\text{NDF}: 248.7/13$

Right Out: 8.142 ± 0.454 $\chi^2/\text{NDF}: 407.7/17$

Left In: 2.975 ± 0.323 $\chi^2/\text{NDF}: 244.9/12$

Left: 2.829 ± 0.225 $\chi^2/\text{NDF}: 494.0/26$

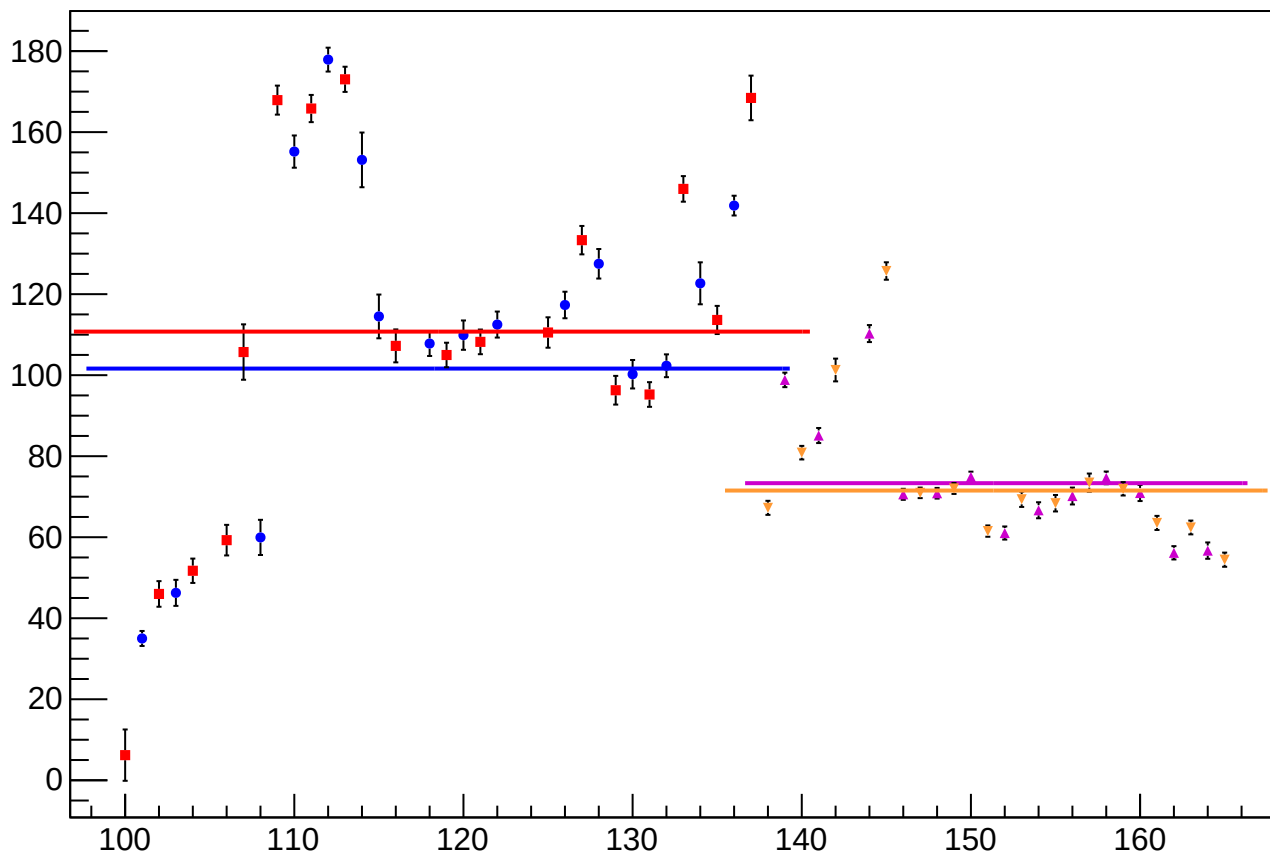
Right: 6.778 ± 0.310 $\chi^2/\text{NDF}: 887.4/33$

In: 3.934 ± 0.257 $\chi^2/\text{NDF}: 731.8/28$

Out: 4.449 ± 0.258 $\chi^2/\text{NDF}: 754.2/31$

All: 4.191 ± 0.182 $\chi^2/\text{NDF}: 1488.0/60$

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: 71.523 $\pm$ 0.458 χ^2/NDF :983.2/13

Right Out: 110.756 $\pm$ 0.836 χ^2/NDF : 2513.0/17

Left In: 73.342 $\pm$ 0.463 χ^2/NDF :811.7/12

Left: 72.423 $\pm$ 0.325 χ^2/NDF : 1802.7/26

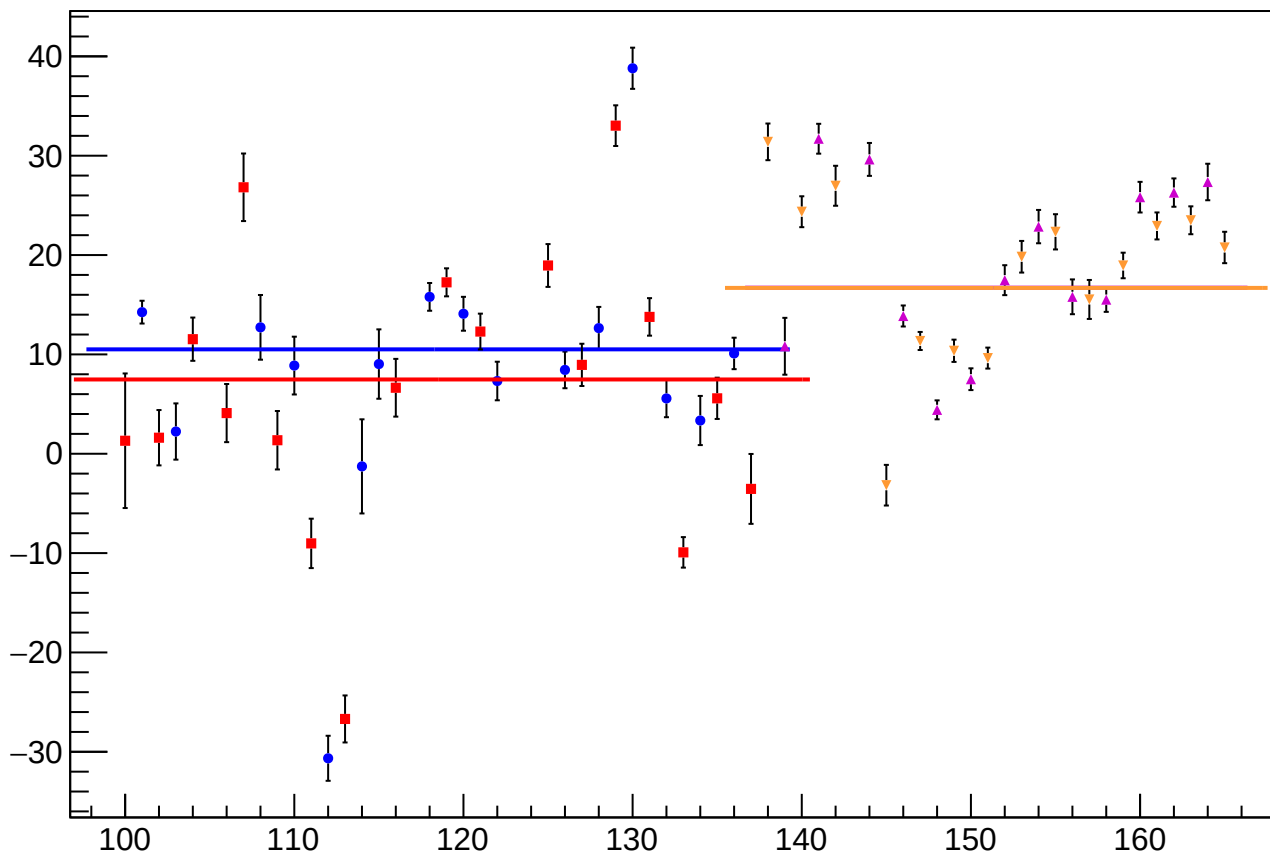
Right: 106.031 $\pm$ 0.581 χ^2/NDF : 5553.5/33

In: 80.343 $\pm$ 0.401 χ^2/NDF :4715.4/28

Out: 80.573 $\pm$ 0.402 χ^2/NDF :5189.7/31

All: 80.458 $\pm$ 0.284 χ^2/NDF : 9905.3/60

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.508 $\pm$ 0.492 χ^2 /NDF: 581.5/15

Left Out: 16.693 $\pm$ 0.375 χ^2 /NDF: 388.0/13

Right Out: 7.477 $\pm$ 0.524 χ^2 /NDF: 689.3/17

Left In: 16.716 $\pm$ 0.385 χ^2 /NDF: 537.2/12

Left: 16.704 $\pm$ 0.269 χ^2 /NDF: 925.2/26

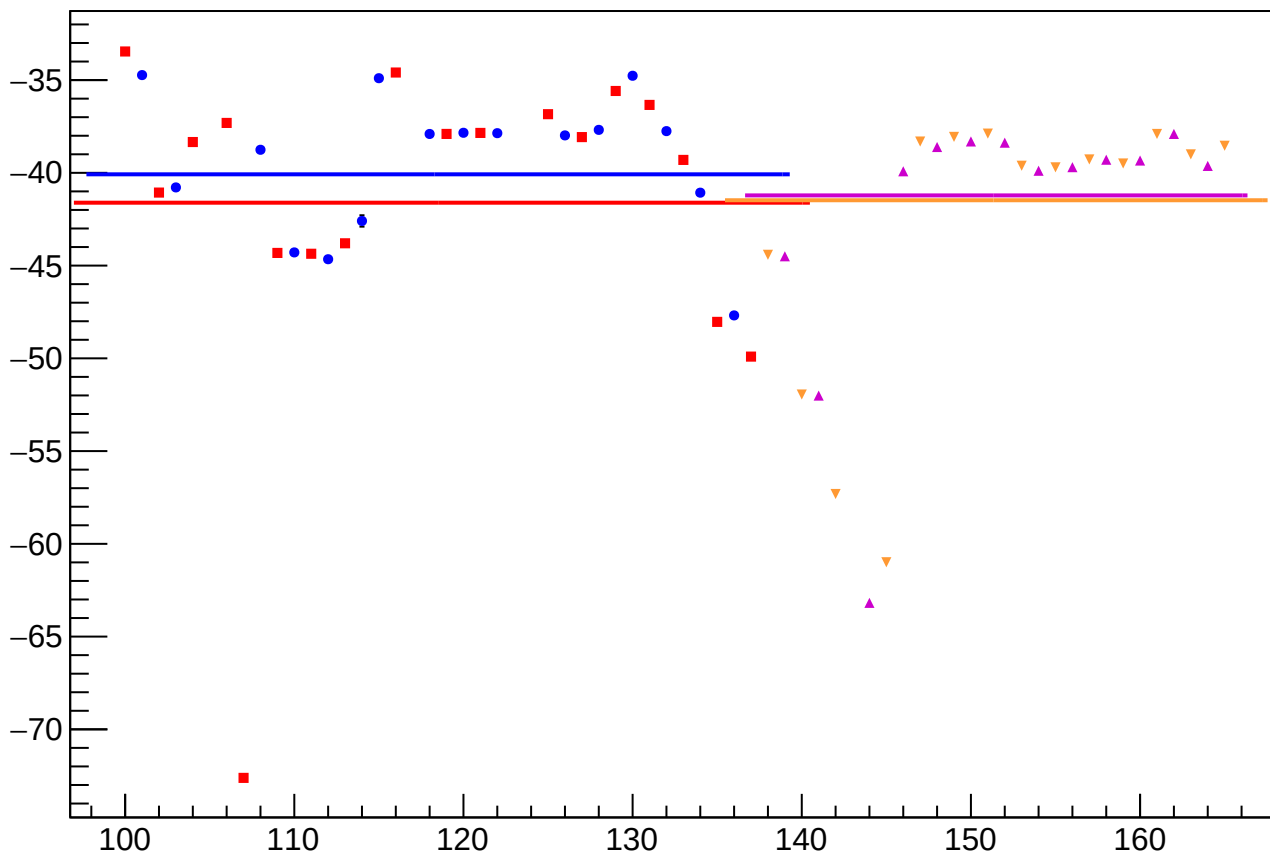
Right: 9.088 $\pm$ 0.359 χ^2 /NDF: 1288.6/33

In: 14.359 $\pm$ 0.303 χ^2 /NDF: 1217.4/28

Out: 13.575 $\pm$ 0.305 χ^2 /NDF: 1282.0/31

All: 13.969 $\pm$ 0.215 χ^2 /NDF: 2502.8/60

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.080 ± 0.028 $\chi^2/\text{NDF}: 25123.9/15$

Left Out: -41.478 ± 0.018 $\chi^2/\text{NDF}: 113194.1/13$

Right Out: -41.609 ± 0.029 $\chi^2/\text{NDF}: 61784.6/17$

Left In: -41.216 ± 0.018 $\chi^2/\text{NDF}: 92973.9/12$

Left: -41.347 ± 0.013 $\chi^2/\text{NDF}: 206269.7/26$

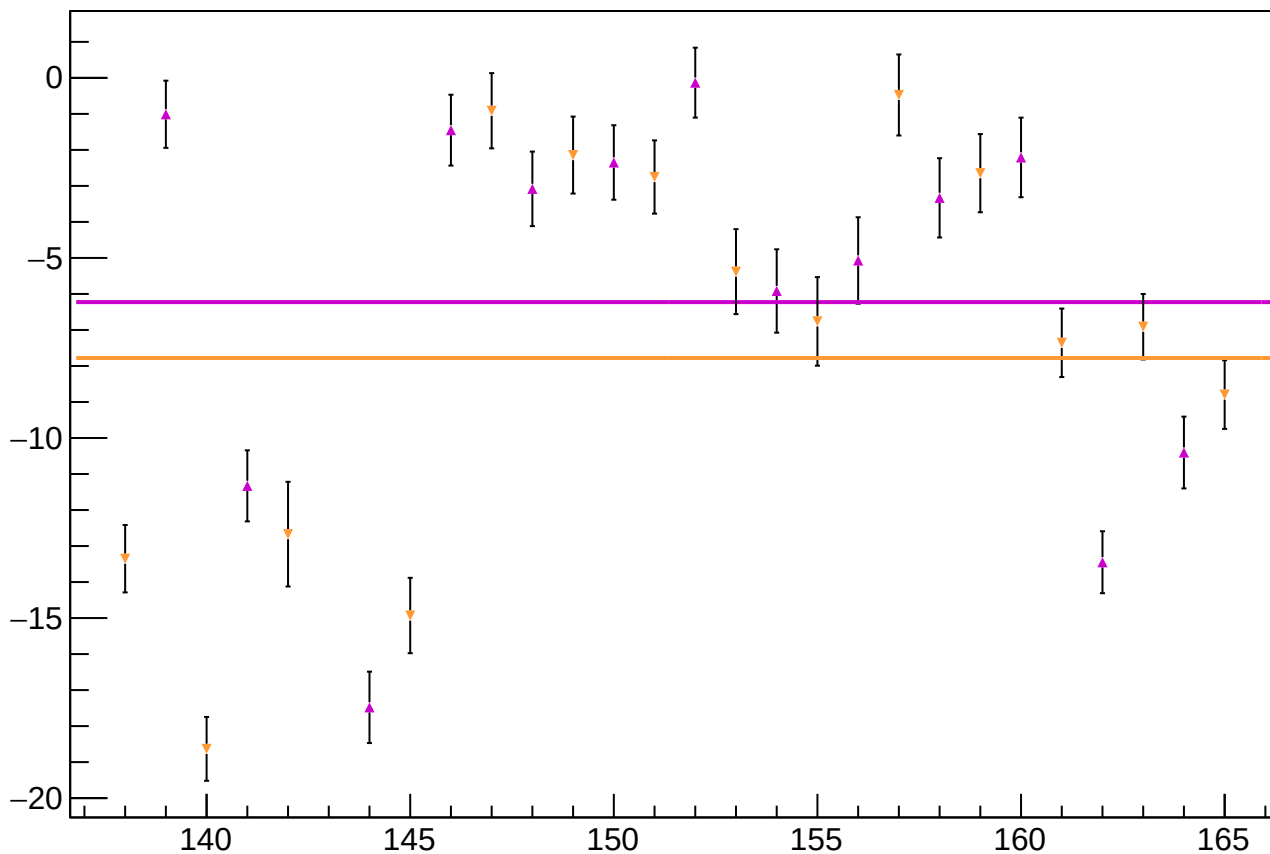
Right: -40.834 ± 0.020 $\chi^2/\text{NDF}: 88360.5/33$

In: -40.878 ± 0.015 $\chi^2/\text{NDF}: 119238.7/28$

Out: -41.516 ± 0.015 $\chi^2/\text{NDF}: 174993.8/31$

All: -41.196 ± 0.011 $\chi^2/\text{NDF}: 295090.3/60$

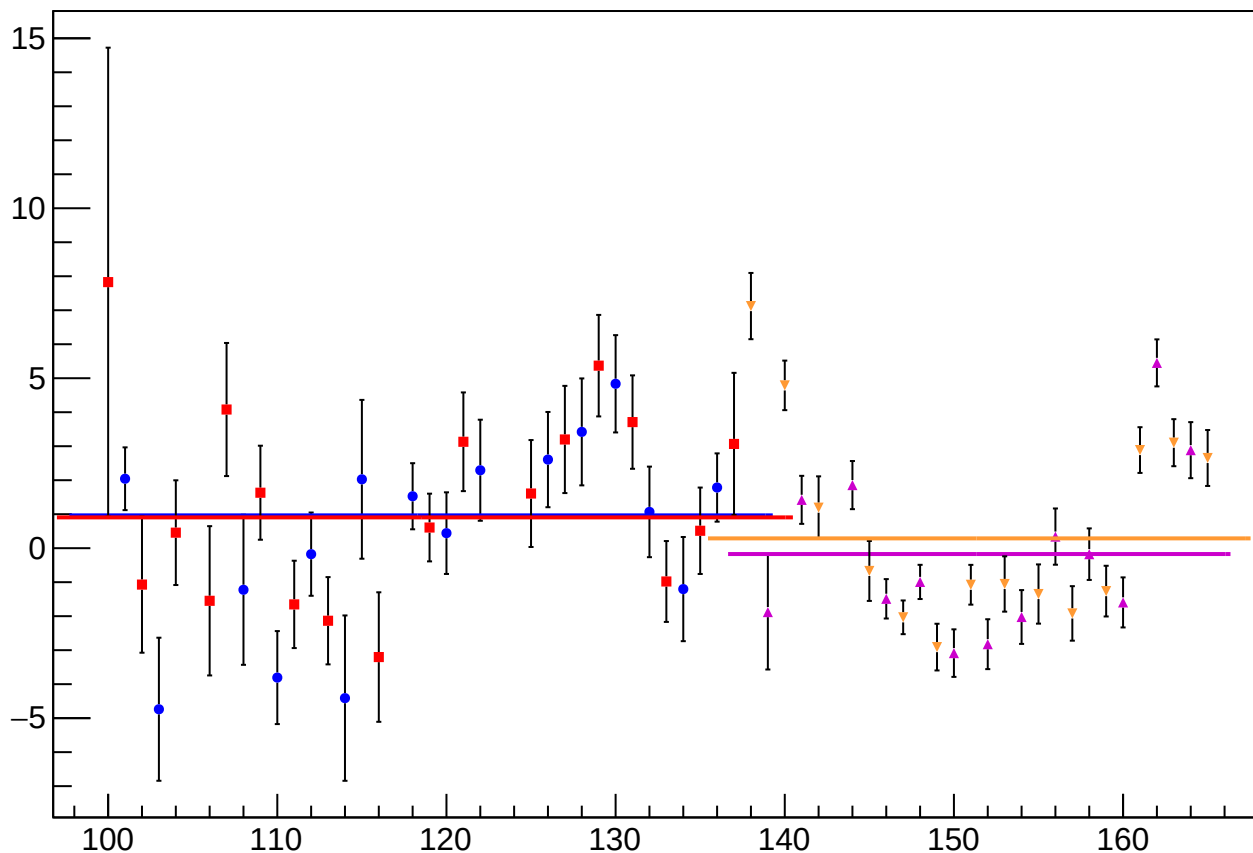
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.779 $\pm$ 0.277 χ^2 /NDF:410.3/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.227 $\pm$ 0.282 χ^2 /NDF:382.3/12

Left: -7.015 $\pm$ 0.198 χ^2 /NDF: 808.1/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.227 $\pm$ 0.282 χ^2 /NDF:382.3/12
 Out: -7.779 $\pm$ 0.277 χ^2 /NDF:410.3/13
 All: -7.015 $\pm$ 0.198 χ^2 /NDF: 808.1/26

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.965 $\pm$ 0.338 χ^2/NDF : 42.9/15

Left Out: 0.288 $\pm$ 0.194 χ^2/NDF : 196.4/13

Right Out: 0.906 $\pm$ 0.354 χ^2/NDF : 42.0/17

Left In: -0.172 $\pm$ 0.198 χ^2/NDF : 142.0/12

Left: 0.063 $\pm$ 0.139 χ^2/NDF : 341.2/26

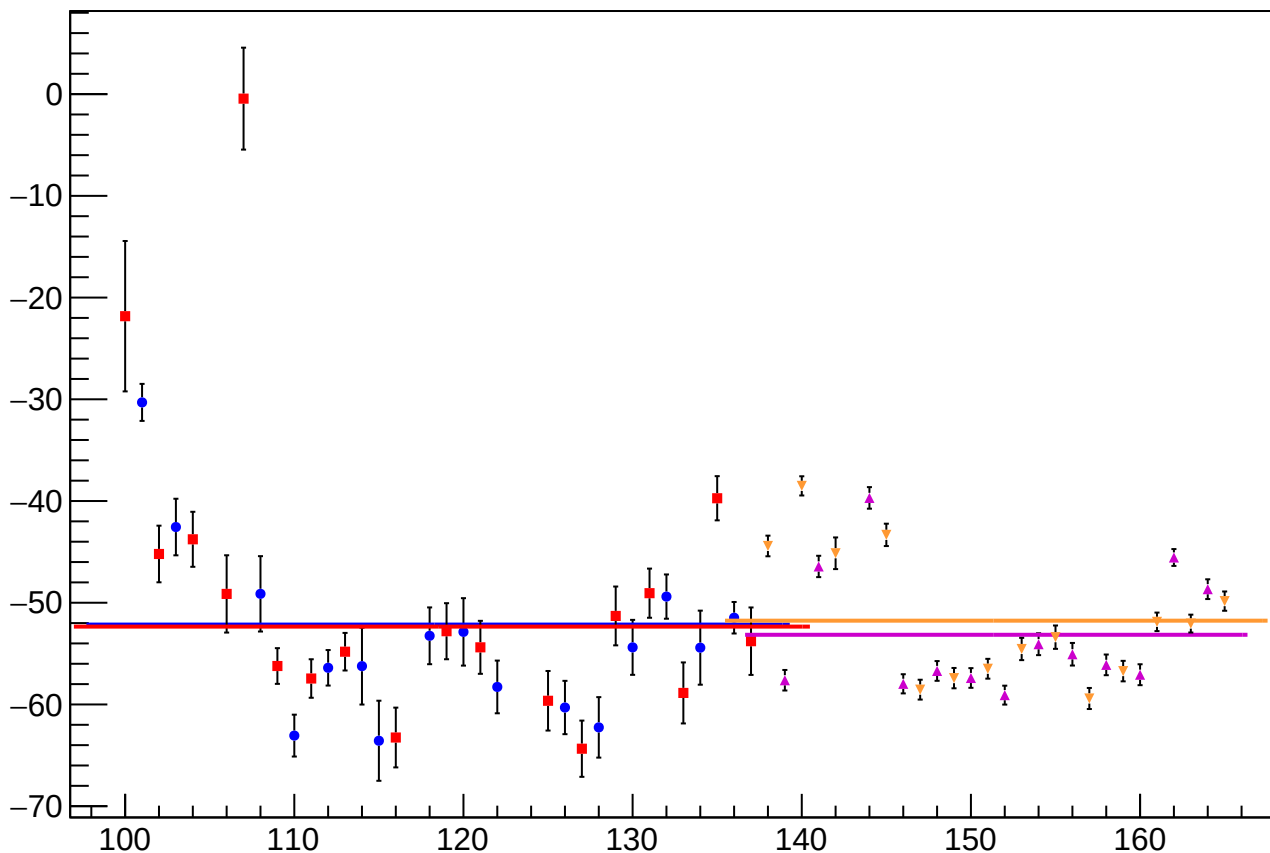
Right: 0.937 $\pm$ 0.244 χ^2/NDF : 84.9/33

In: 0.119 $\pm$ 0.171 χ^2/NDF : 193.4/28

Out: 0.432 $\pm$ 0.170 χ^2/NDF : 240.7/31

All: 0.276 $\pm$ 0.121 χ^2/NDF : 435.8/60

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: -51.763+/-0.271 χ^2/NDF : 521.6/13

Right Out: -52.346+/-0.616 χ^2/NDF : 235.7/17

Left In: -53.151+/-0.274 χ^2/NDF : 453.5/12

Left: -52.450+/-0.193 χ^2/NDF : 988.1/26

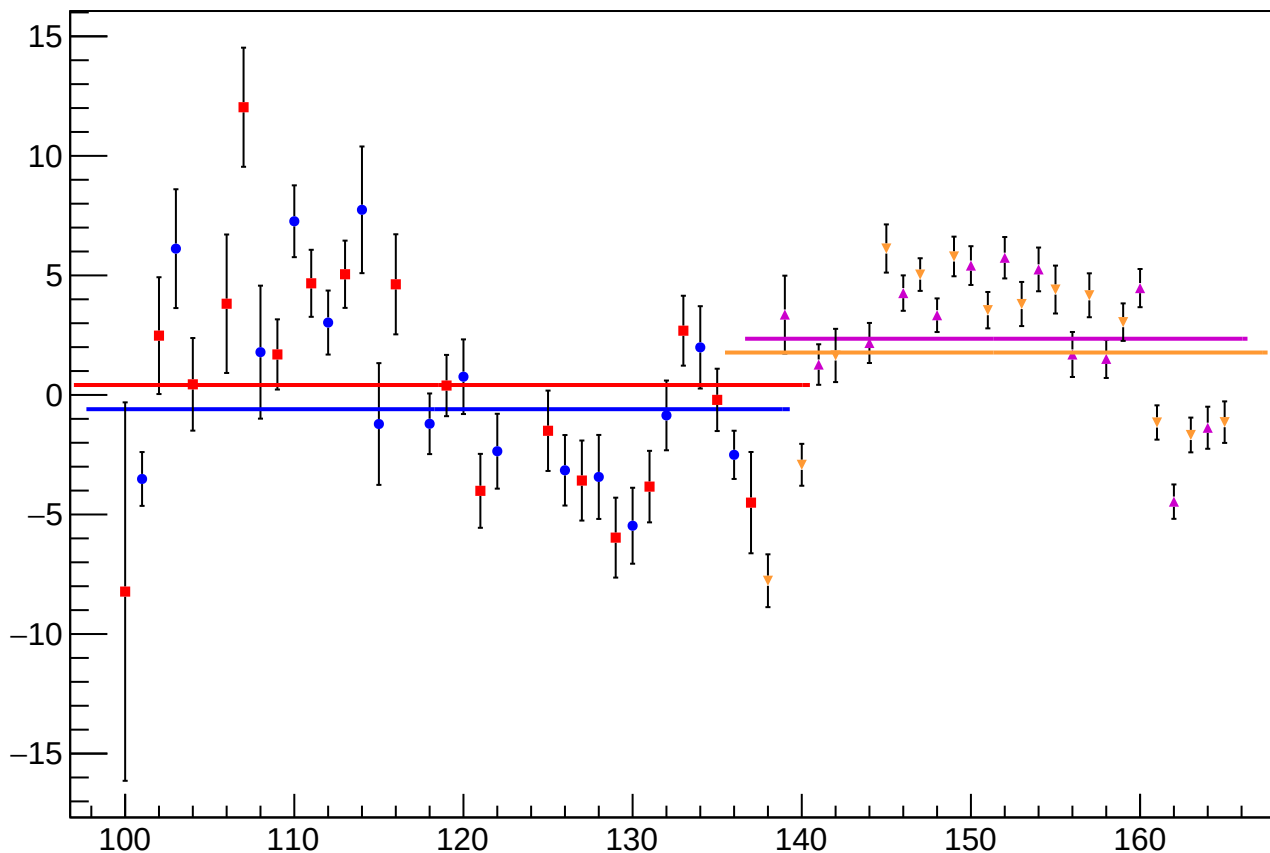
Right: -52.246+/-0.434 χ^2/NDF : 466.0/33

In: -52.983+/-0.250 χ^2/NDF : 686.0/28

Out: -51.858+/-0.248 χ^2/NDF : 758.1/31

All: -52.416+/-0.176 χ^2/NDF : 1454.3/60

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.596 ± 0.384 χ^2/NDF : 82.6/15

Left Out: 1.774 ± 0.227 χ^2/NDF : 245.2/13

Right Out: 0.416 ± 0.400 χ^2/NDF : 95.8/17

Left In: 2.351 ± 0.232 χ^2/NDF : 166.6/12

Left: 2.057 ± 0.162 χ^2/NDF : 415.0/26

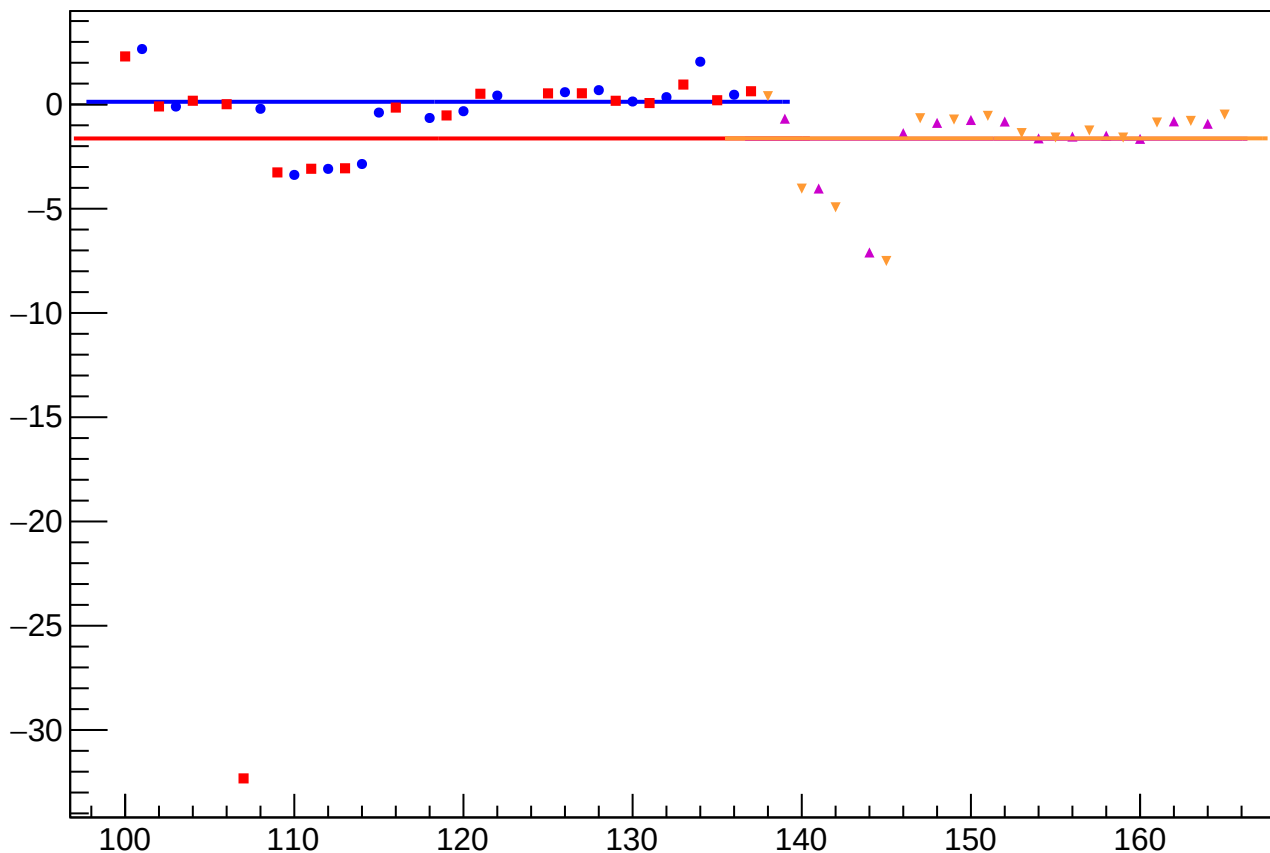
Right: -0.111 ± 0.277 χ^2/NDF : 181.7/33

In: 1.562 ± 0.199 χ^2/NDF : 292.3/28

Out: 1.443 ± 0.197 χ^2/NDF : 349.8/31

All: 1.502 ± 0.140 χ^2/NDF : 642.3/60

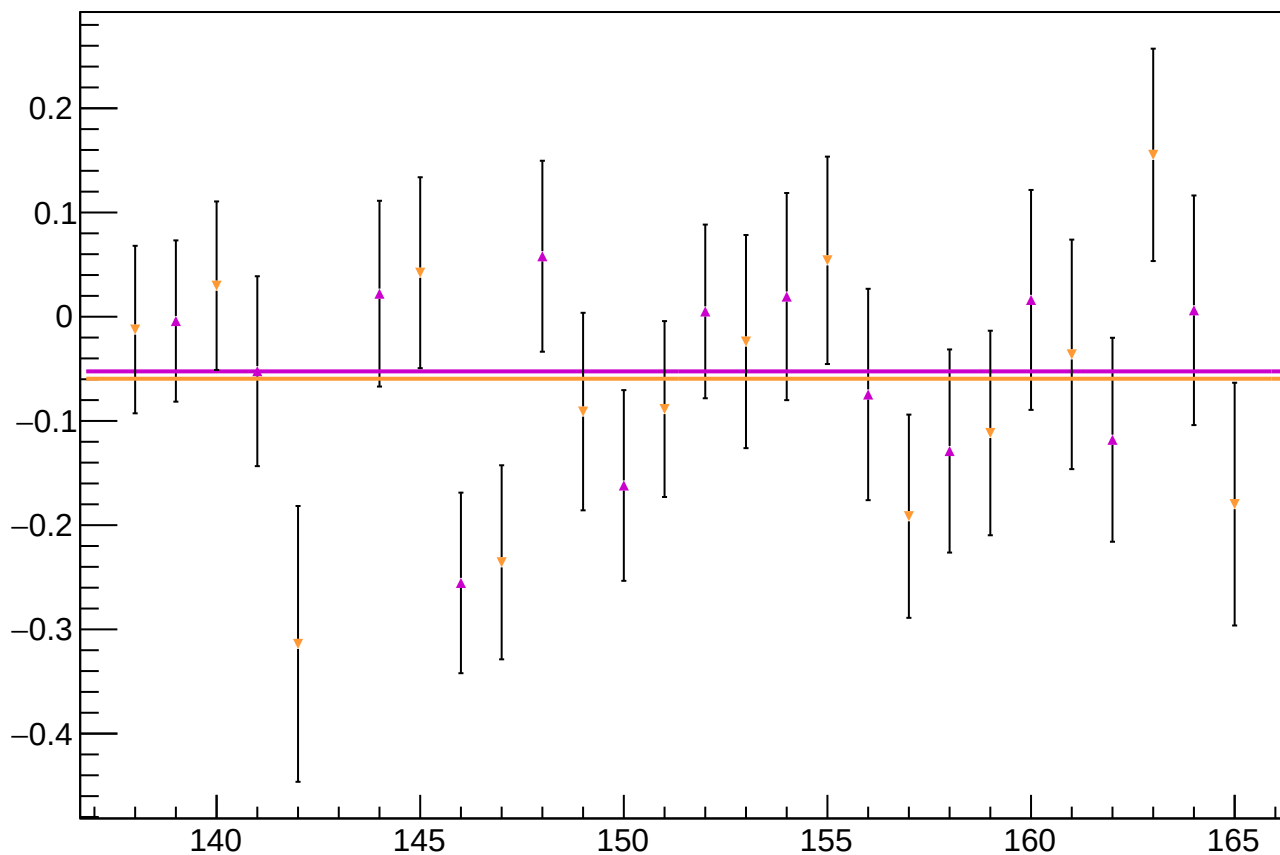
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.128 ± 0.021 $\chi^2/\text{NDF}: 5252.9/15$
 Left Out: -1.626 ± 0.011 $\chi^2/\text{NDF}: 30991.1/13$
 Right Out: -1.631 ± 0.022 $\chi^2/\text{NDF}: 77878.6/17$
 Left In: -1.645 ± 0.011 $\chi^2/\text{NDF}: 20107.9/12$

Left: -1.635 ± 0.008 $\chi^2/\text{NDF}: 51100.5/26$
 Right: -0.739 ± 0.015 $\chi^2/\text{NDF}: 86433.1/33$
 In: -1.291 ± 0.010 $\chi^2/\text{NDF}: 30805.0/28$
 Out: -1.627 ± 0.010 $\chi^2/\text{NDF}: 108869.7/31$
 All: -1.459 ± 0.007 $\chi^2/\text{NDF}: 140288.8/60$

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: -0.060 $\pm$ 0.026 χ^2 /NDF:19.4/13

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

Left In: -0.052 $\pm$ 0.026 χ^2 /NDF:12.3/12

Left: -0.056 $\pm$ 0.018 χ^2 /NDF: 31.7/26

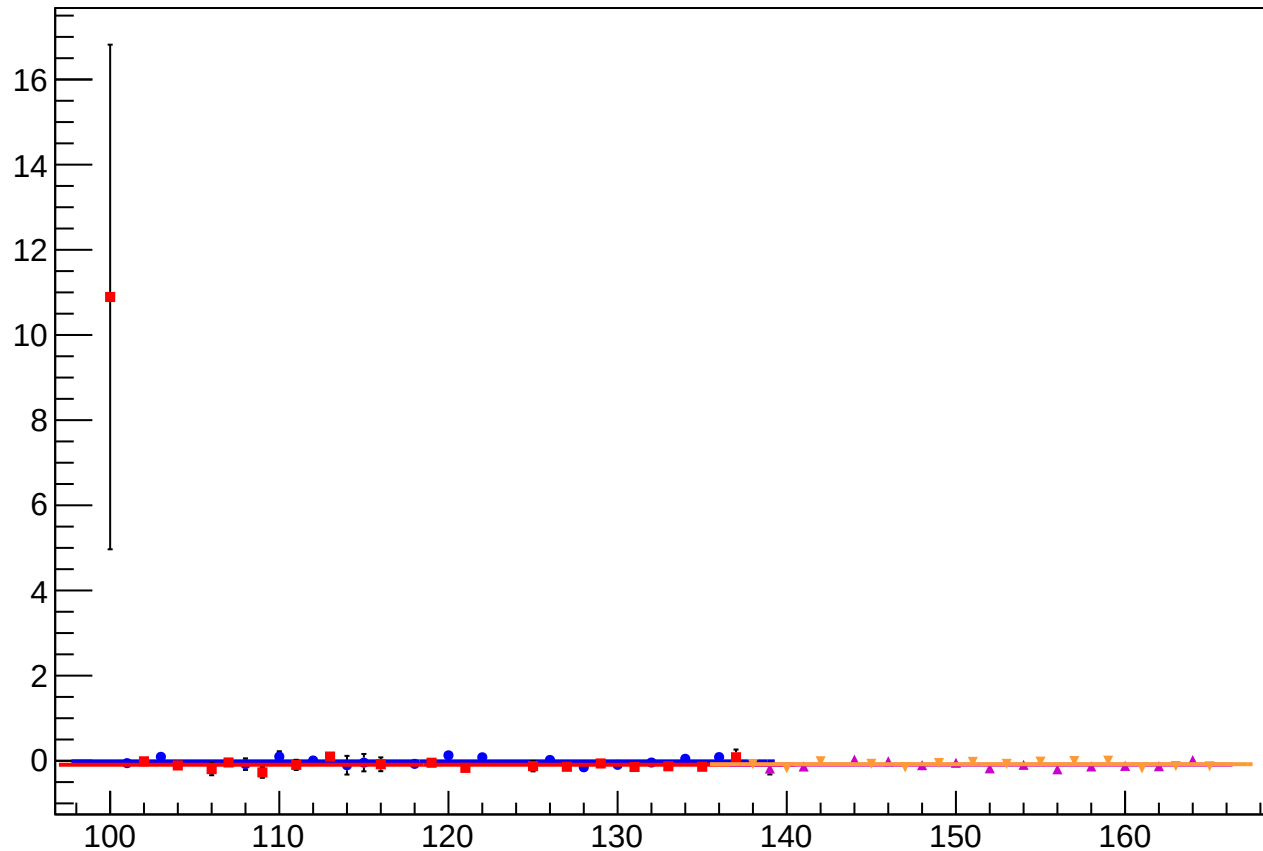
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.052 $\pm$ 0.026 χ^2 /NDF:12.3/12

Out: -0.060 $\pm$ 0.026 χ^2 /NDF:19.4/13

All: -0.056 $\pm$ 0.018 χ^2 /NDF: 31.7/26

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 12.2/15

Left Out: -0.080 ± 0.018 χ^2/NDF : 12.7/13

Right Out: -0.092 ± 0.025 χ^2/NDF : 12.7/17

Left In: -0.091 ± 0.018 χ^2/NDF : 13.8/12

Left: -0.085 ± 0.013 χ^2/NDF : 26.6/26

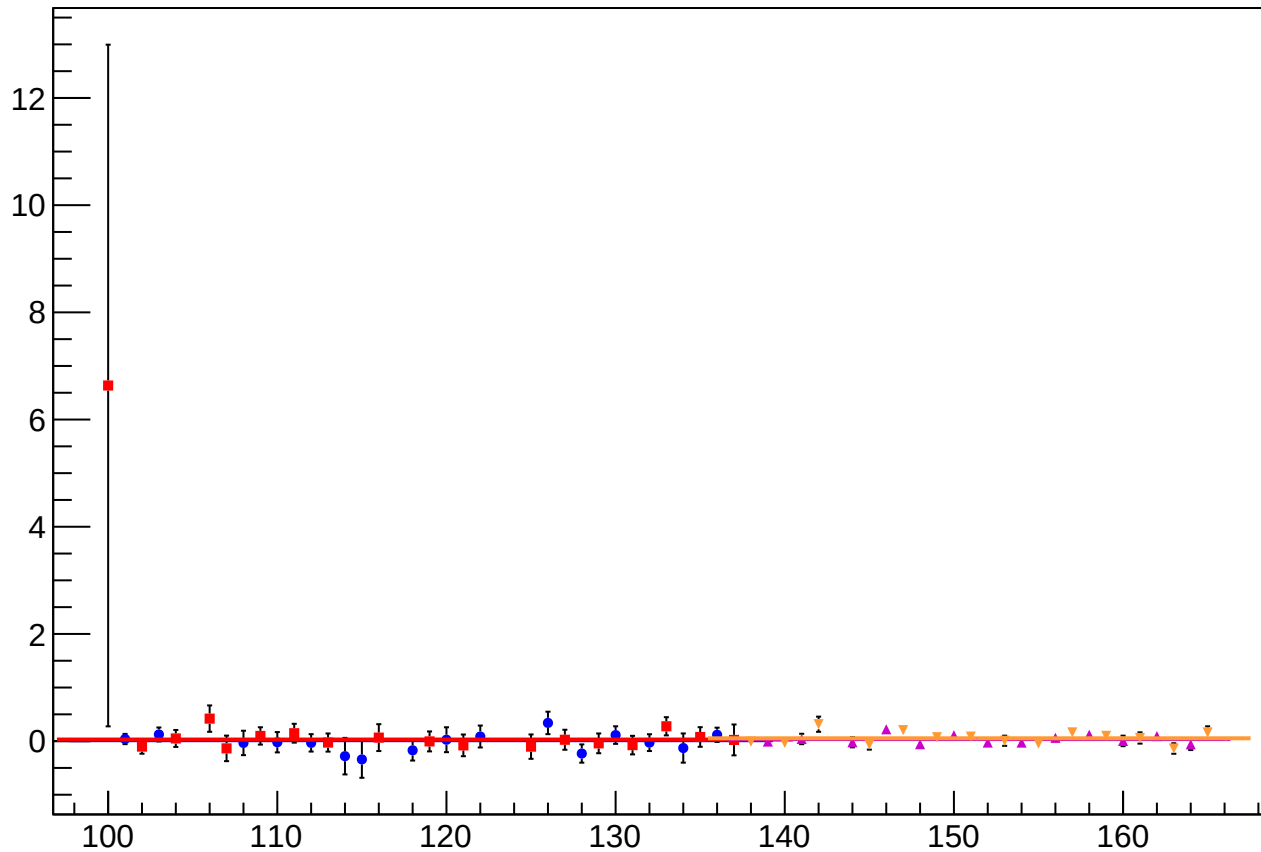
Right: -0.050 ± 0.017 χ^2/NDF : 30.3/33

In: -0.062 ± 0.014 χ^2/NDF : 33.0/28

Out: -0.084 ± 0.014 χ^2/NDF : 25.5/31

All: -0.073 ± 0.010 χ^2/NDF : 59.7/60

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.043 χ^2 /NDF: 9.6/15

Left Out: 0.053 $\pm$ 0.025 χ^2 /NDF:17.4/13

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: 0.038 $\pm$ 0.025 χ^2 /NDF:10.8/12

Left: 0.045 $\pm$ 0.018 χ^2 /NDF: 28.4/26

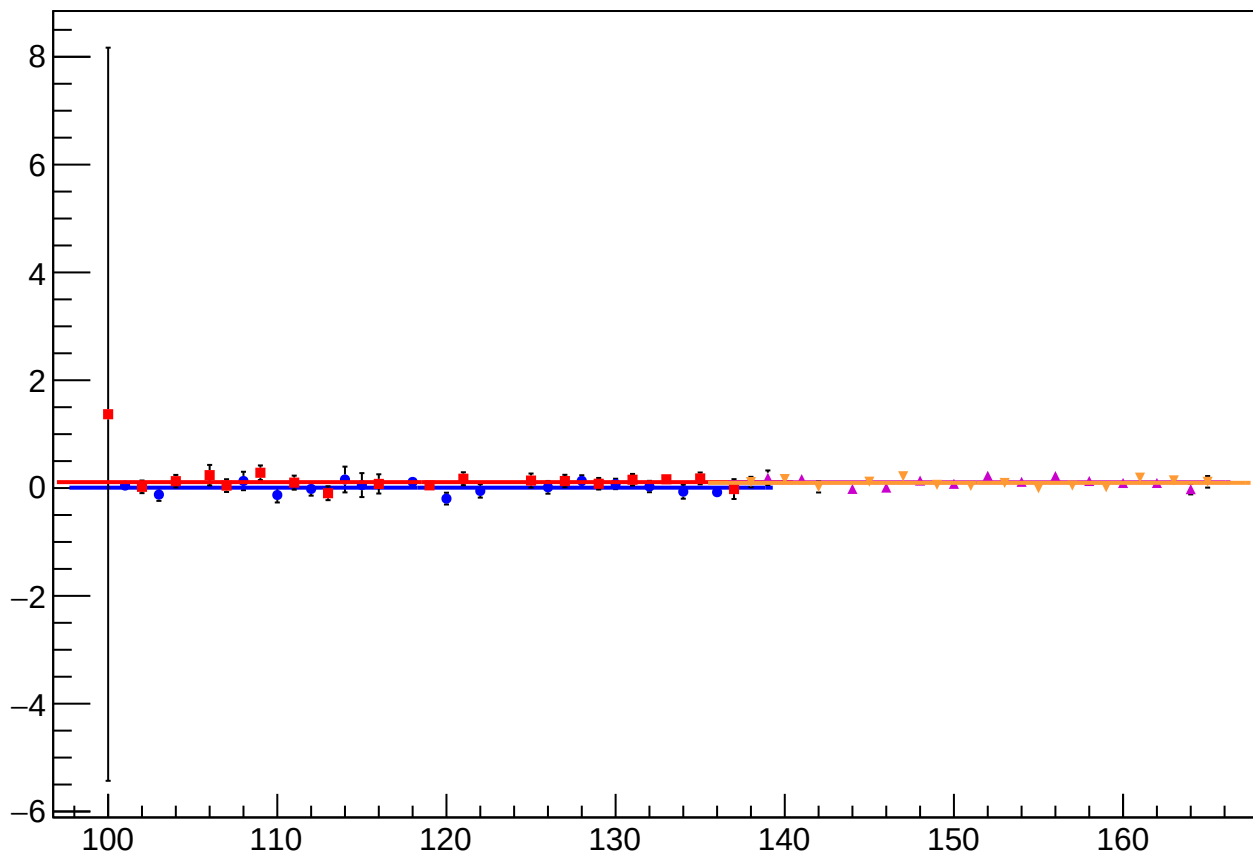
Right: 0.023 $\pm$ 0.031 χ^2 /NDF: 18.9/33

In: 0.033 $\pm$ 0.022 χ^2 /NDF:20.6/28

Out: 0.047 $\pm$ 0.022 χ^2 /NDF:26.8/31

All: 0.040 $\pm$ 0.015 χ^2 /NDF: 47.6/60

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007+/-0.027 χ^2/NDF : 12.1/15

Left Out: 0.097+/-0.021 χ^2/NDF : 11.5/13

Right Out: 0.110+/-0.029 χ^2/NDF : 8.0/17

Left In: 0.108+/-0.021 χ^2/NDF : 12.9/12

Left: 0.102+/-0.015 χ^2/NDF : 24.5/26

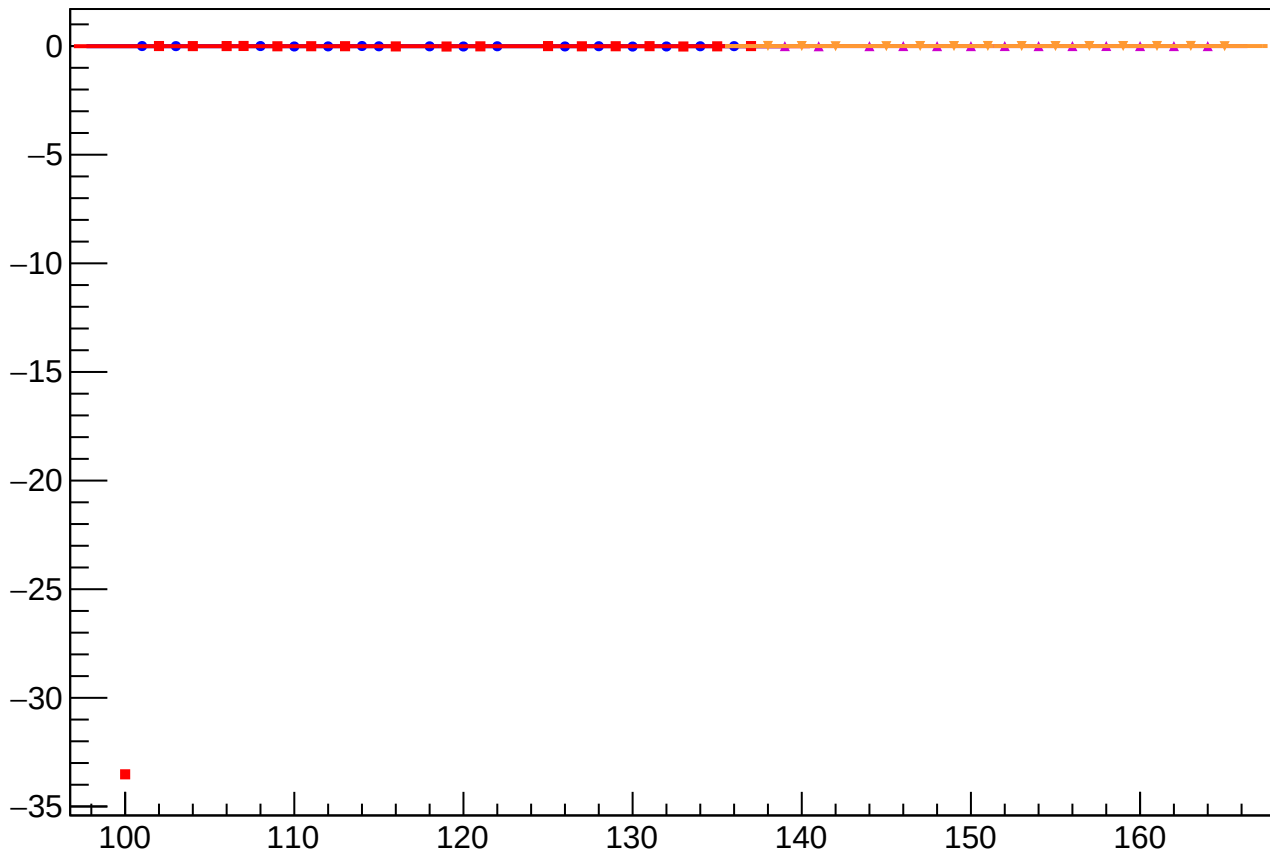
Right: 0.055+/-0.020 χ^2/NDF : 27.0/33

In: 0.069+/-0.017 χ^2/NDF : 33.6/28

Out: 0.102+/-0.017 χ^2/NDF : 19.6/31

All: 0.085+/-0.012 χ^2/NDF : 55.1/60

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 22.6/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF:10.3/13

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.9/17

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF:7.4/12

Left: 0.001 $\pm$ 0.001 χ^2 /NDF: 18.2/26

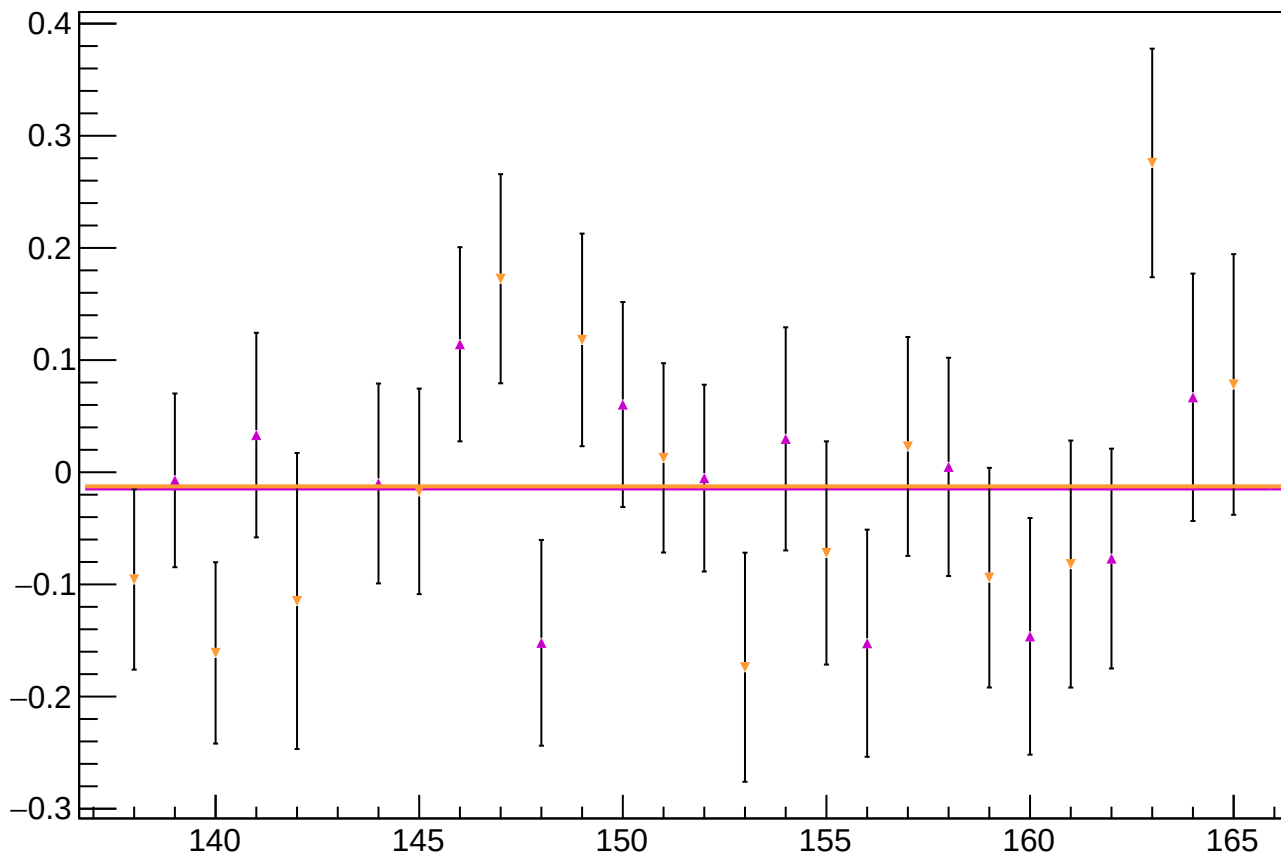
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26531.6/33

In: -0.002 $\pm$ 0.001 χ^2 /NDF:40.3/28

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26535.4/31

All: -0.001 $\pm$ 0.001 χ^2 /NDF: 26576.0/60

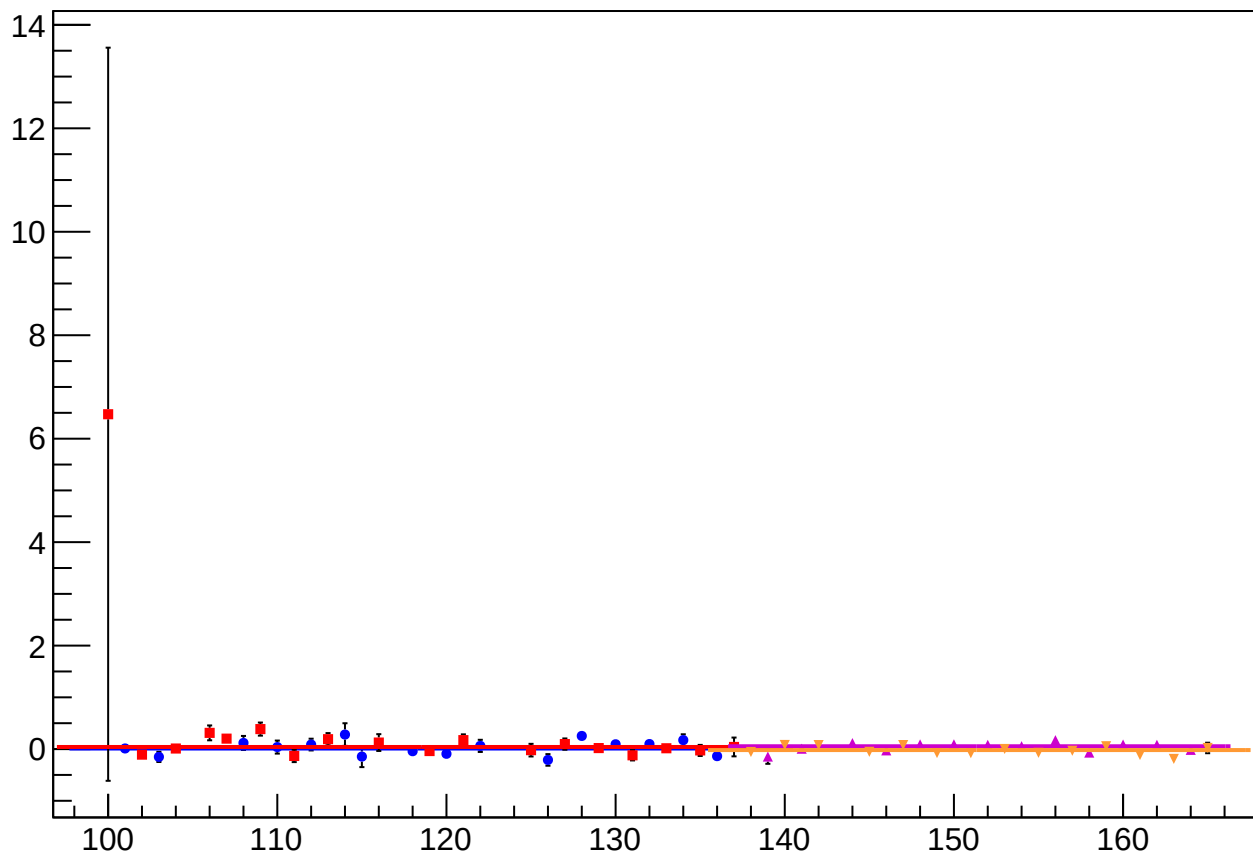
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.013 $\pm$ 0.026 χ^2 /NDF:23.7/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.014 $\pm$ 0.026 χ^2 /NDF:10.0/12

Left: -0.014 $\pm$ 0.018 χ^2 /NDF: 33.7/26
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.014 $\pm$ 0.026 χ^2 /NDF:10.0/12
 Out: -0.013 $\pm$ 0.026 χ^2 /NDF:23.7/13
 All: -0.014 $\pm$ 0.018 χ^2 /NDF: 33.7/26

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: -0.019 $\pm$ 0.018 χ^2/NDF : 19.5/13

Right Out: 0.040 $\pm$ 0.025 χ^2/NDF : 27.9/17

Left In: 0.054 $\pm$ 0.018 χ^2/NDF : 14.2/12

Left: 0.017 $\pm$ 0.013 χ^2/NDF : 42.1/26

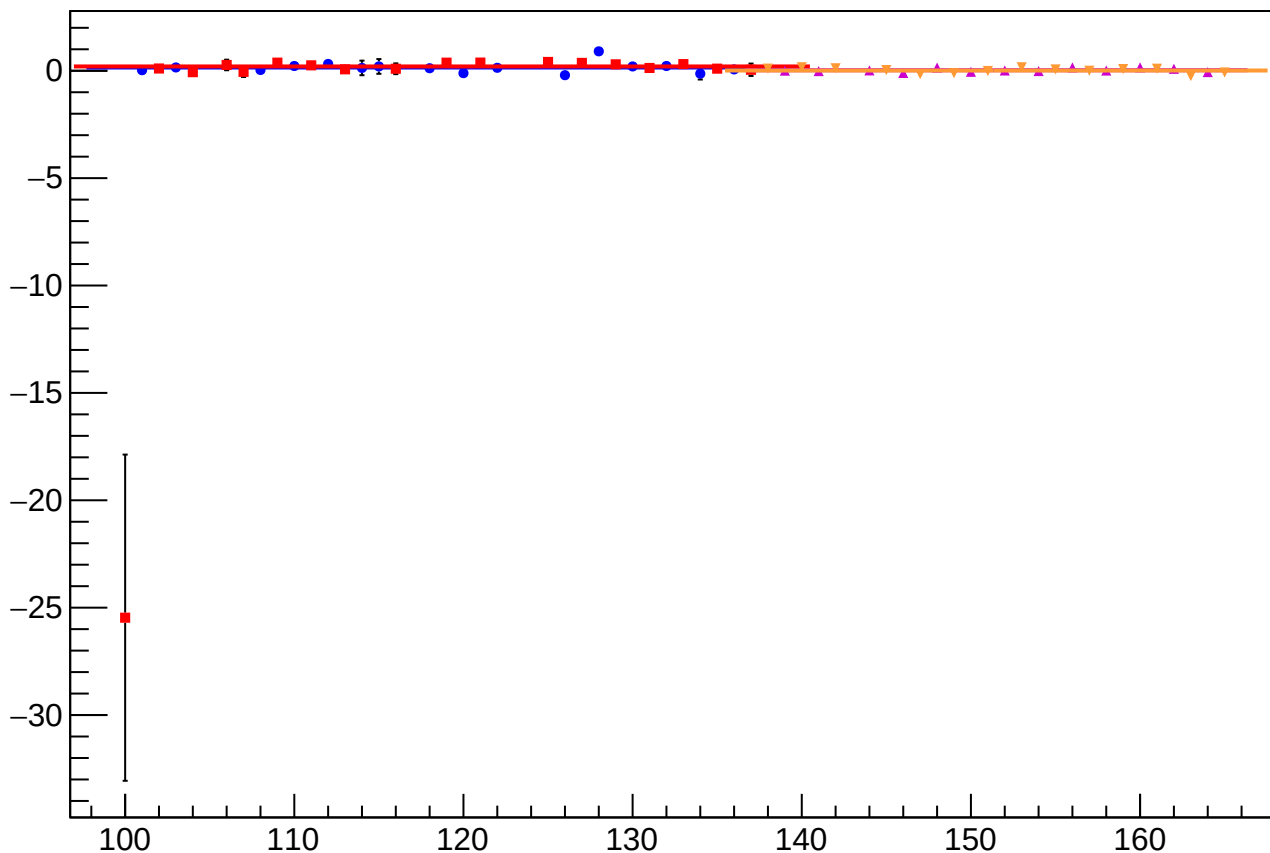
Right: 0.024 $\pm$ 0.017 χ^2/NDF : 54.1/33

In: 0.038 $\pm$ 0.014 χ^2/NDF : 41.8/28

Out: 0.001 $\pm$ 0.014 χ^2/NDF : 51.3/31

All: 0.020 $\pm$ 0.010 χ^2/NDF : 96.4/60

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: 0.012 $\pm$ 0.025 χ^2 /NDF:22.3/13

Right Out: 0.200 $\pm$ 0.045 χ^2 /NDF: 22.9/17

Left In: 0.026 $\pm$ 0.025 χ^2 /NDF:10.6/12

Left: 0.019 $\pm$ 0.018 χ^2 /NDF: 33.0/26

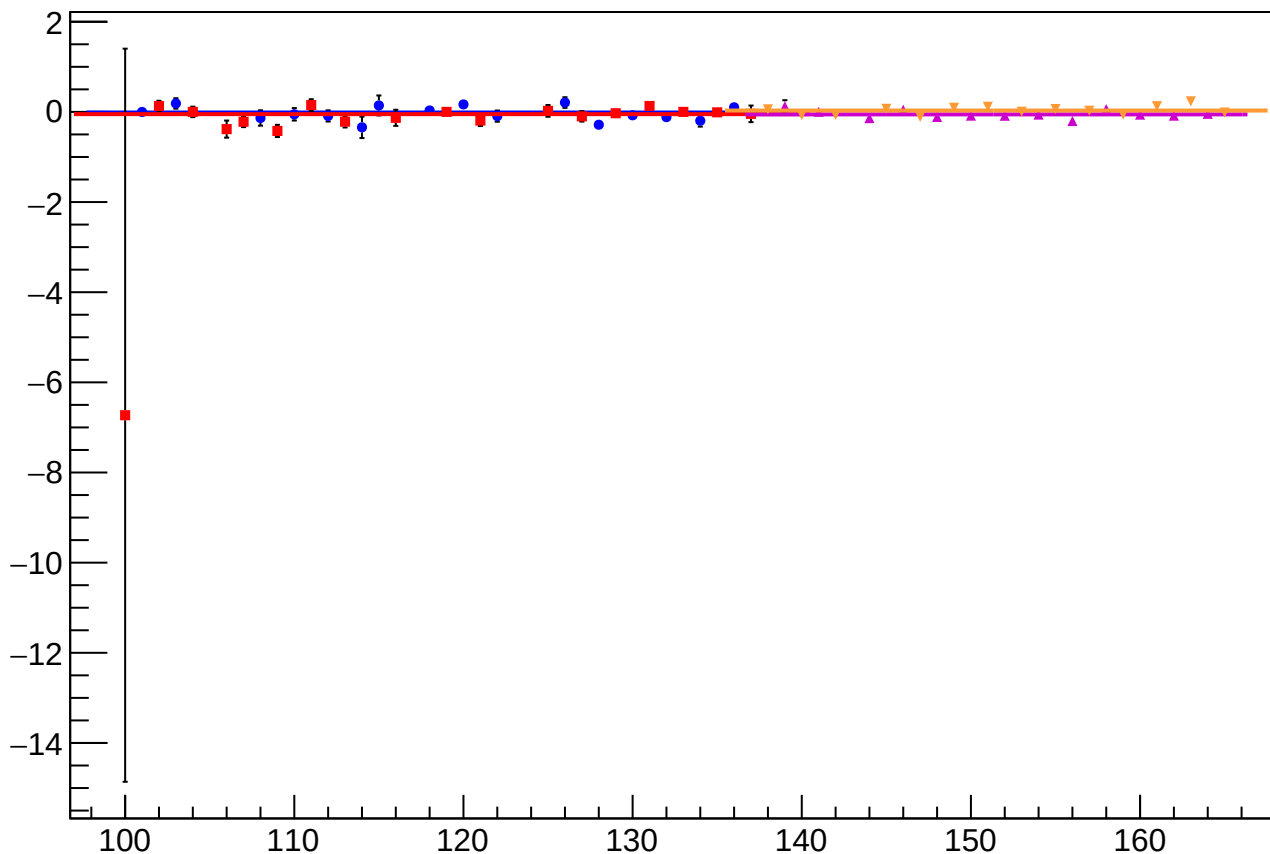
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.2/33

In: 0.058 $\pm$ 0.022 χ^2 /NDF:45.8/28

Out: 0.057 $\pm$ 0.022 χ^2 /NDF:58.5/31

All: 0.057 $\pm$ 0.015 χ^2 /NDF: 104.4/60

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: 0.030 ± 0.021 χ^2/NDF : 20.1/13

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.7/17

Left In: -0.055 ± 0.021 χ^2/NDF : 13.4/12

Left: -0.012 ± 0.015 χ^2/NDF : 41.7/26

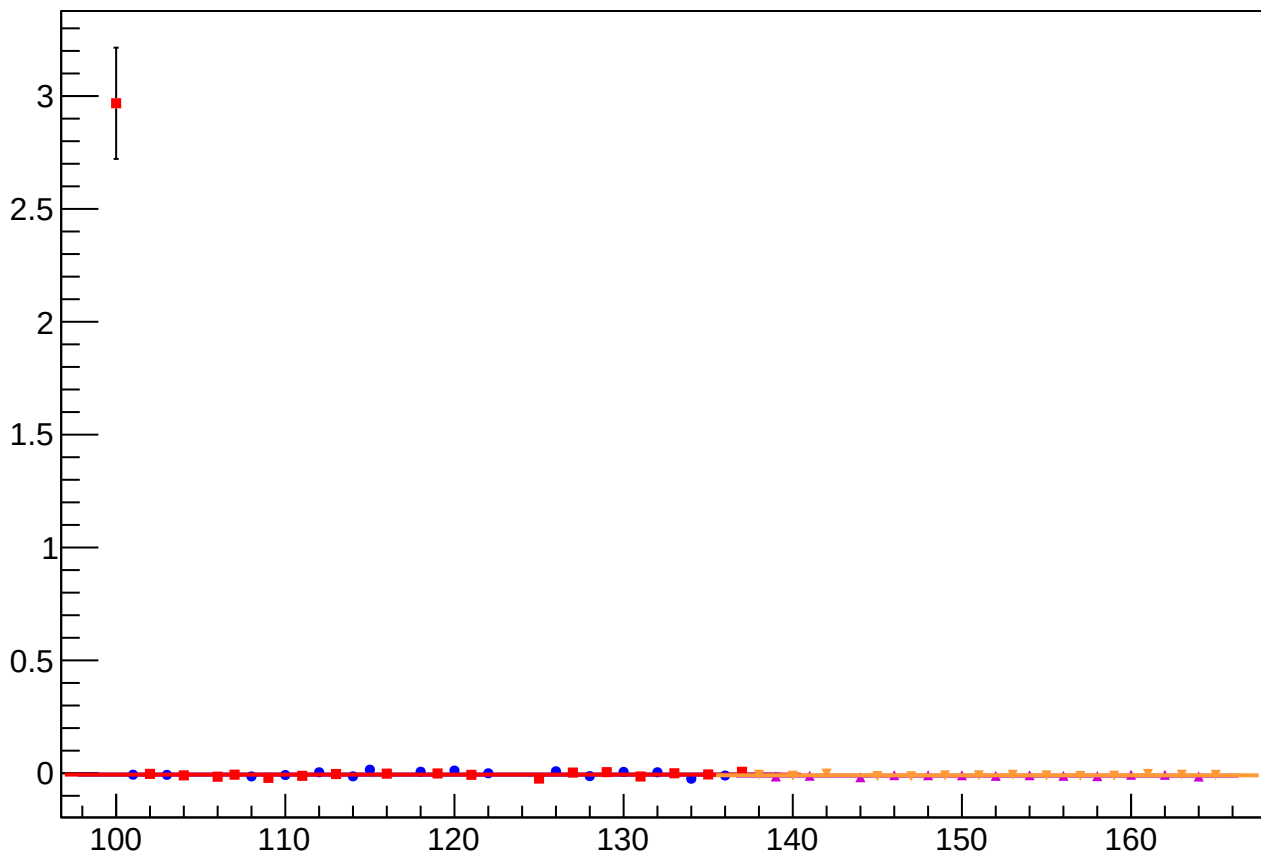
Right: -0.031 ± 0.020 χ^2/NDF : 51.8/33

In: -0.039 ± 0.017 χ^2/NDF : 40.1/28

Out: 0.002 ± 0.017 χ^2/NDF : 51.0/31

All: -0.019 ± 0.012 χ^2/NDF : 94.1/60

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2 /NDF: 29.0/15

Left Out: -0.009+/-0.001 χ^2 /NDF:9.2/13

Right Out: -0.006+/-0.001 χ^2 /NDF: 165.9/17

Left In: -0.011+/-0.001 χ^2 /NDF:9.1/12

Left: -0.010+/-0.001 χ^2 /NDF: 19.7/26

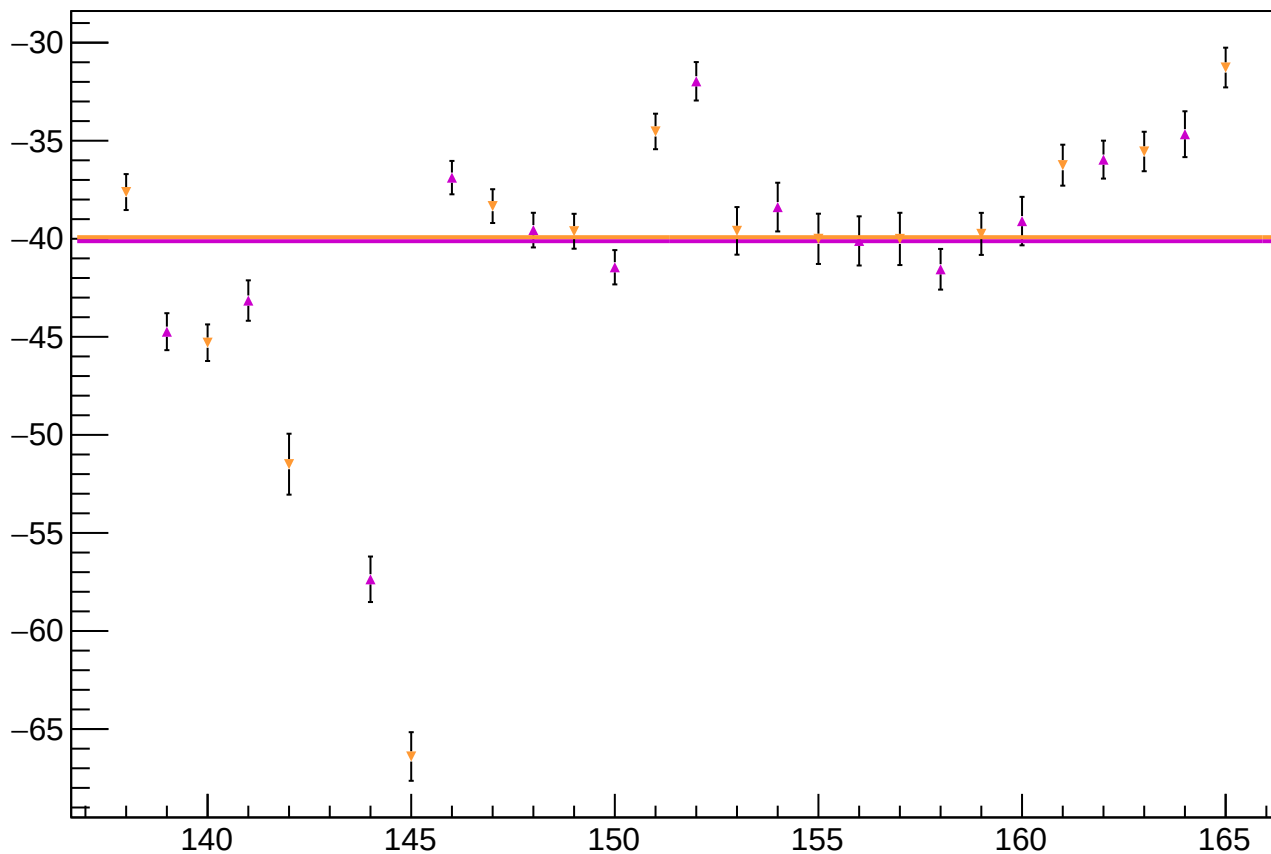
Right: -0.006+/-0.001 χ^2 /NDF: 194.8/33

In: -0.009+/-0.001 χ^2 /NDF:45.5/28

Out: -0.008+/-0.001 χ^2 /NDF:178.2/31

All: -0.009+/-0.001 χ^2 /NDF: 224.7/60

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



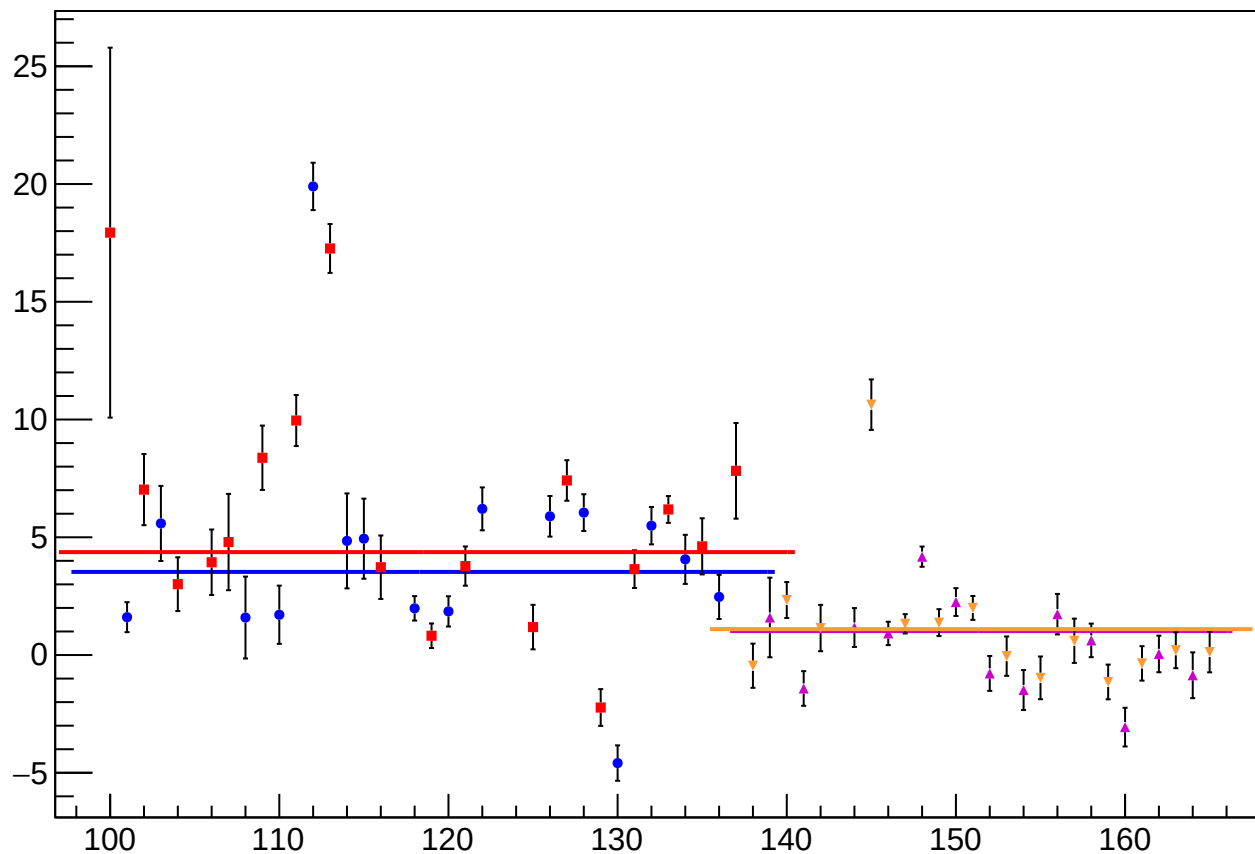
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -39.919+/-0.279 χ^2/NDF : 694.6/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -40.123+/-0.283 χ^2/NDF : 384.6/12

Left: -40.020+/-0.199 χ^2/NDF : 1079.4/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.123+/-0.283 χ^2/NDF : 384.6/12
 Out: -39.919+/-0.279 χ^2/NDF : 694.6/13

All: -40.020+/-0.199 χ^2/NDF : 1079.4/26

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.530 ± 0.217 $\chi^2/\text{NDF}: 446.6/15$

Left Out: 1.099 ± 0.188 $\chi^2/\text{NDF}: 111.4/13$

Right Out: 4.370 ± 0.225 $\chi^2/\text{NDF}: 353.8/17$

Left In: 1.018 ± 0.193 $\chi^2/\text{NDF}: 115.3/12$

Left: 1.060 ± 0.135 $\chi^2/\text{NDF}: 226.8/26$

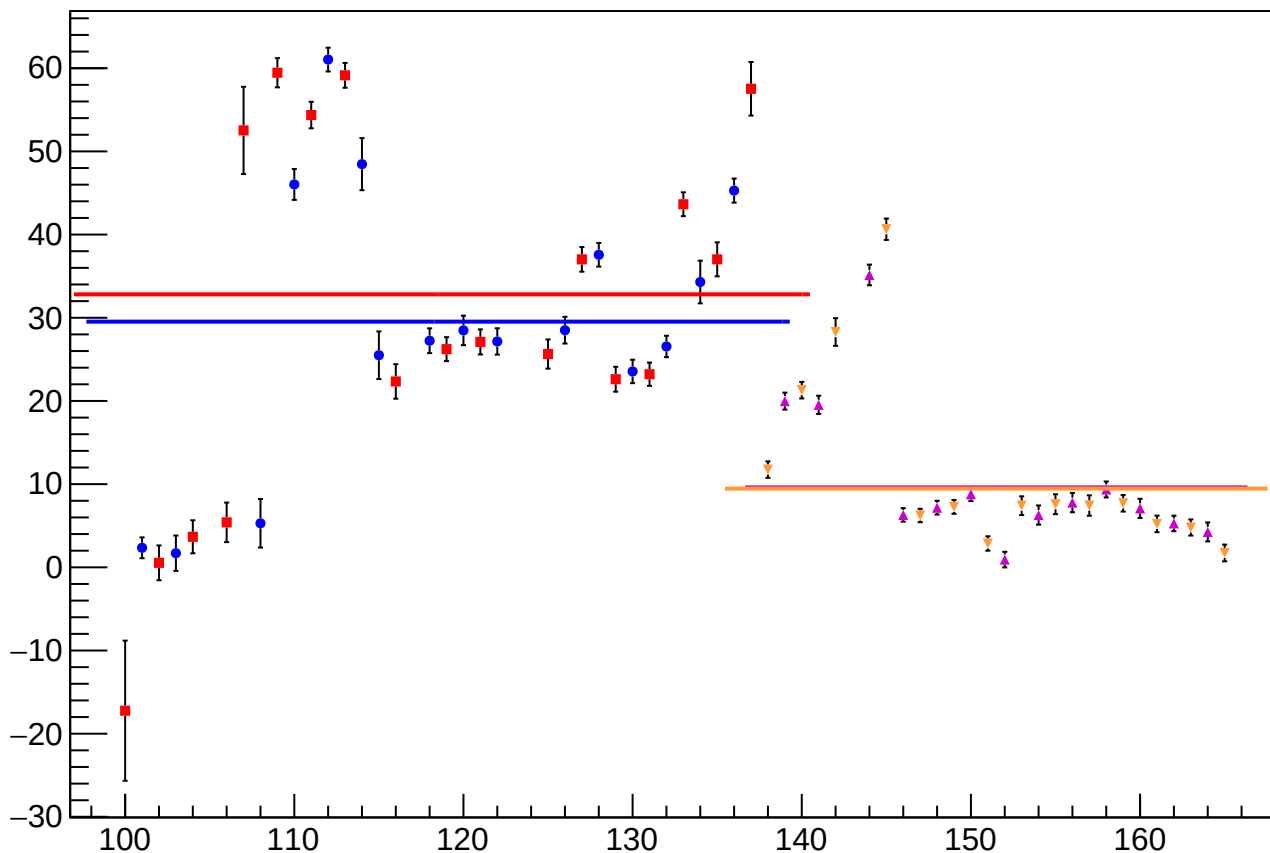
Right: 3.934 ± 0.156 $\chi^2/\text{NDF}: 807.6/33$

In: 2.128 ± 0.144 $\chi^2/\text{NDF}: 636.4/28$

Out: 2.443 ± 0.144 $\chi^2/\text{NDF}: 589.3/31$

All: 2.285 ± 0.102 $\chi^2/\text{NDF}: 1228.1/60$

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: 9.465 $\pm$ 0.272 χ^2 /NDF:1056.2/13

Right Out: 32.816 $\pm$ 0.423 χ^2 /NDF: 1659.3/17

Left In: 9.612 $\pm$ 0.274 χ^2 /NDF:780.0/12

Left: 9.538 $\pm$ 0.193 χ^2 /NDF: 1836.3/26

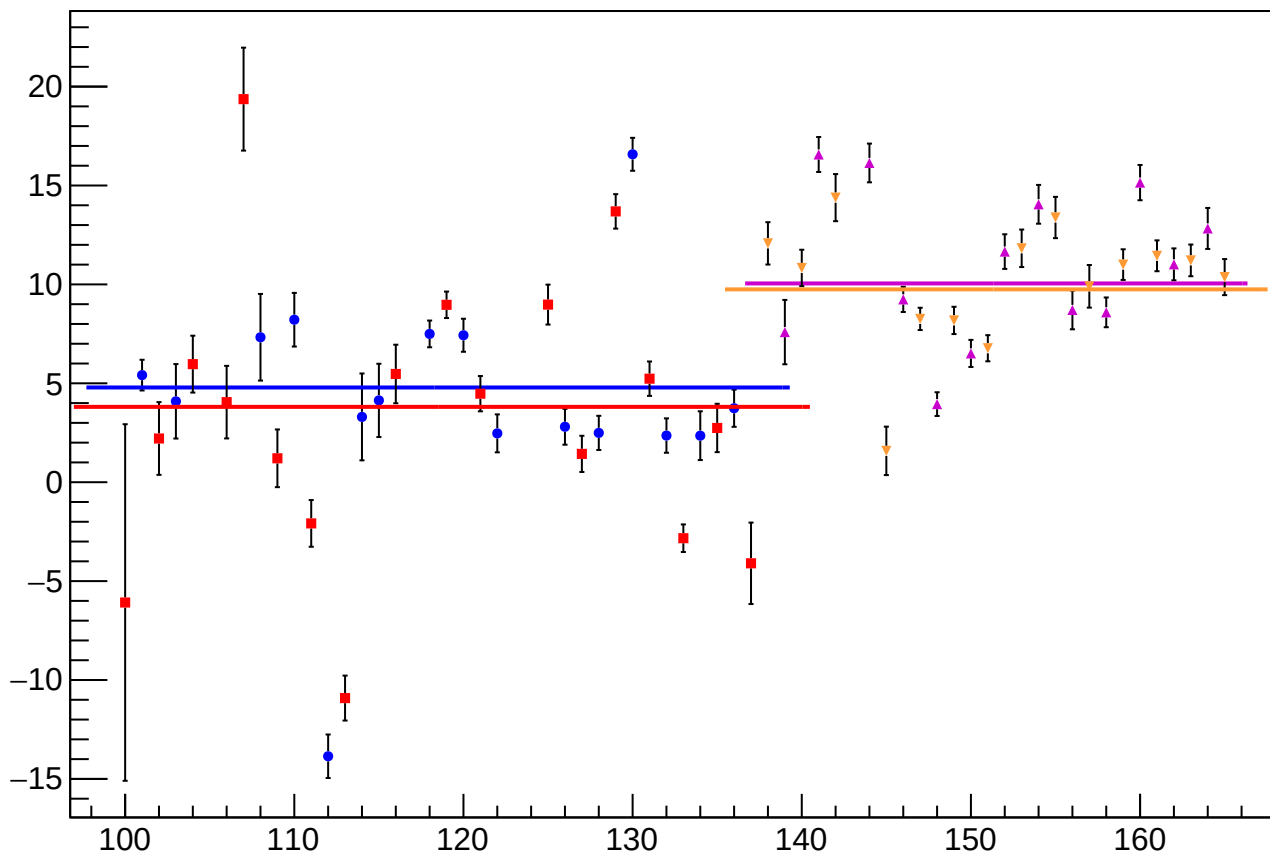
Right: 31.152 $\pm$ 0.297 χ^2 /NDF: 3184.7/33

In: 15.631 $\pm$ 0.229 χ^2 /NDF:3869.8/28

Out: 16.292 $\pm$ 0.229 χ^2 /NDF:4873.5/31

All: 15.962 $\pm$ 0.162 χ^2 /NDF: 8747.5/60

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: 9.749 $\pm$ 0.224 χ^2 /NDF:126.3/13

Right Out: 3.809 $\pm$ 0.259 χ^2 /NDF: 567.6/17

Left In: 10.049 $\pm$ 0.230 χ^2 /NDF:294.1/12

Left: 9.895 $\pm$ 0.160 χ^2 /NDF: 421.3/26

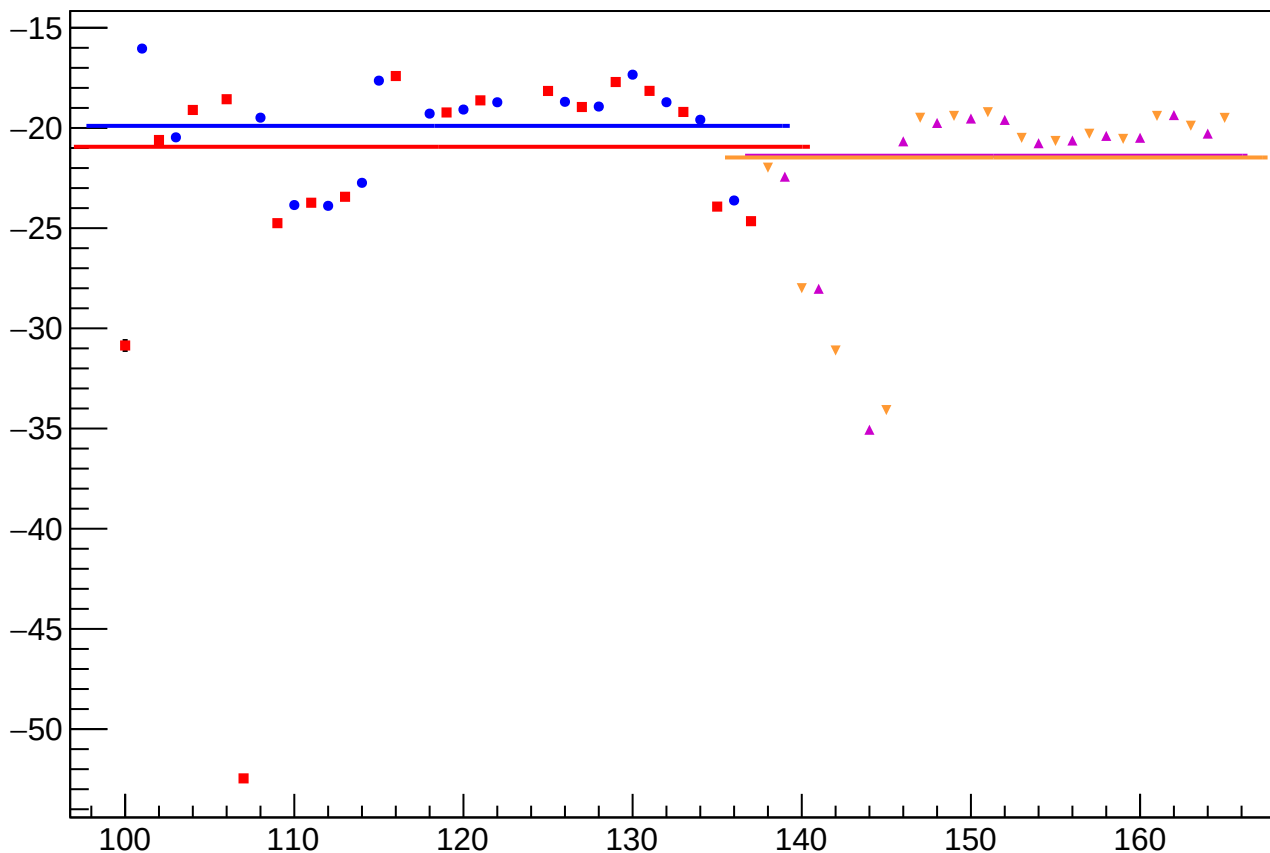
Right: 4.313 $\pm$ 0.180 χ^2 /NDF: 1128.9/33

In: 7.655 $\pm$ 0.169 χ^2 /NDF:1086.9/28

Out: 7.206 $\pm$ 0.169 χ^2 /NDF:995.0/31

All: 7.430 $\pm$ 0.120 χ^2 /NDF: 2085.4/60

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: -21.473+/-0.011 χ^2/NDF :124122.8/13

Right Out: -20.938+/-0.016 χ^2/NDF : 94065.2/17

Left In: -21.385+/-0.011 χ^2/NDF :99461.4/12

Left: -21.429+/-0.008 χ^2/NDF : 223616.6/26

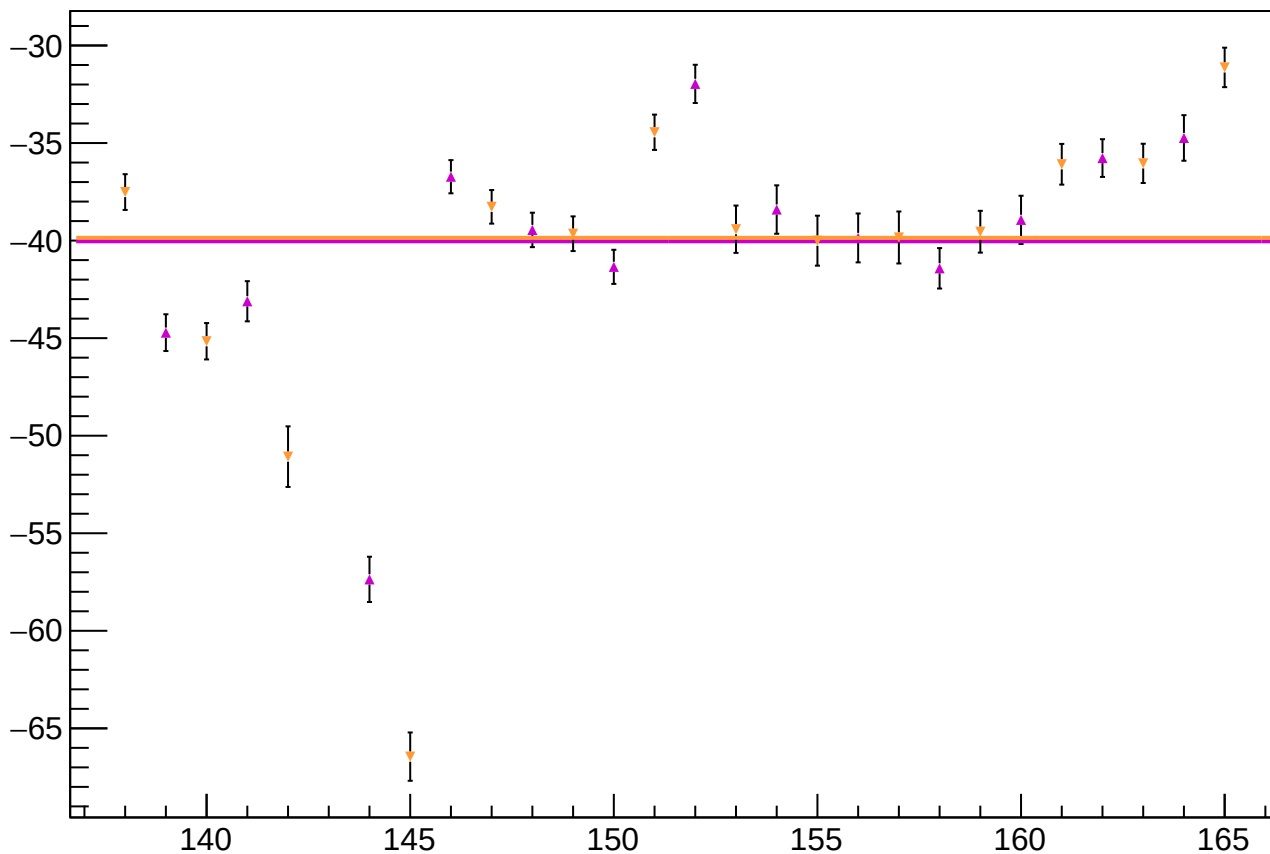
Right: -20.412+/-0.011 χ^2/NDF : 122364.1/33

In: -20.899+/-0.009 χ^2/NDF :131709.0/28

Out: -21.301+/-0.009 χ^2/NDF :218971.5/31

All: -21.099+/-0.006 χ^2/NDF : 351695.7/60

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



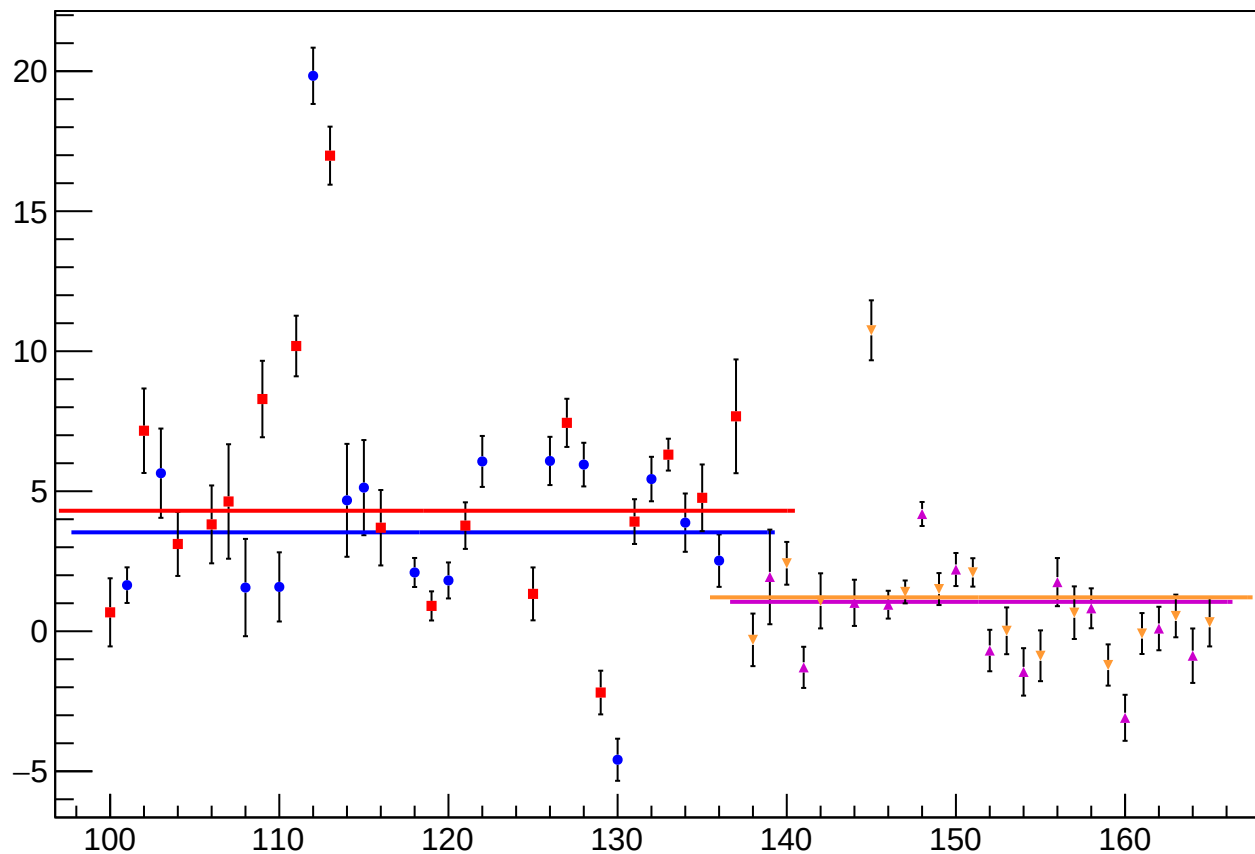
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -39.859+/-0.279 χ^2/NDF : 693.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -40.036+/-0.283 χ^2/NDF : 386.8/12

Left: -39.946+/-0.199 χ^2/NDF : 1080.2/26
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.036+/-0.283 χ^2/NDF : 386.8/12
 Out: -39.859+/-0.279 χ^2/NDF : 693.2/13

All: -39.946+/-0.199 χ^2/NDF : 1080.2/26

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.532 ± 0.217 $\chi^2/\text{NDF}: 443.2/15$

Left Out: 1.211 ± 0.188 $\chi^2/\text{NDF}: 111.5/13$

Right Out: 4.303 ± 0.222 $\chi^2/\text{NDF}: 352.8/17$

Left In: 1.050 ± 0.193 $\chi^2/\text{NDF}: 113.6/12$

Left: 1.133 ± 0.135 $\chi^2/\text{NDF}: 225.5/26$

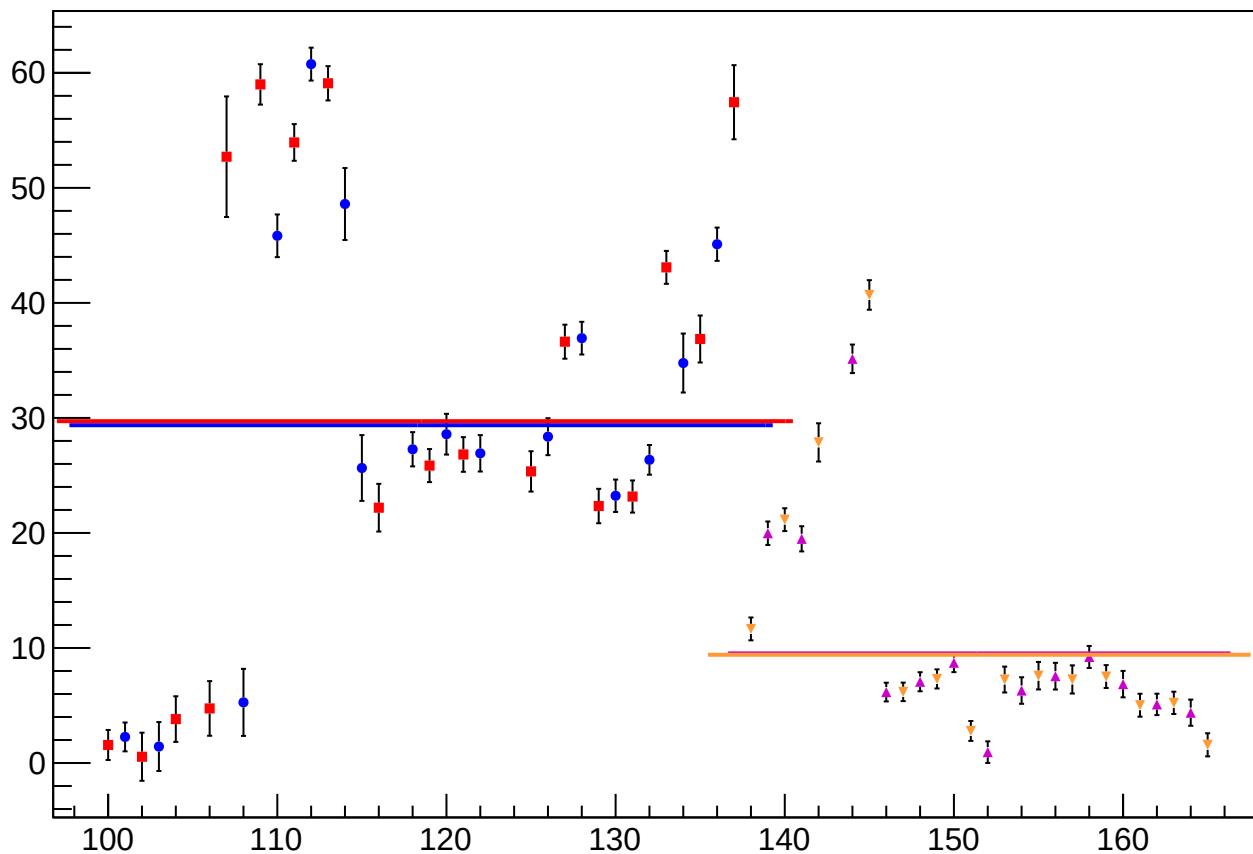
Right: 3.910 ± 0.155 $\chi^2/\text{NDF}: 802.2/33$

In: 2.147 ± 0.144 $\chi^2/\text{NDF}: 629.8/28$

Out: 2.506 ± 0.143 $\chi^2/\text{NDF}: 577.5/31$

All: 2.328 ± 0.102 $\chi^2/\text{NDF}: 1210.4/60$

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: 9.410 $\pm$ 0.272 χ^2 /NDF:1053.1/13

Right Out: 29.719 $\pm$ 0.402 χ^2 /NDF: 2129.5/17

Left In: 9.530 $\pm$ 0.274 χ^2 /NDF:784.1/12

Left: 9.470 $\pm$ 0.193 χ^2 /NDF: 1837.2/26

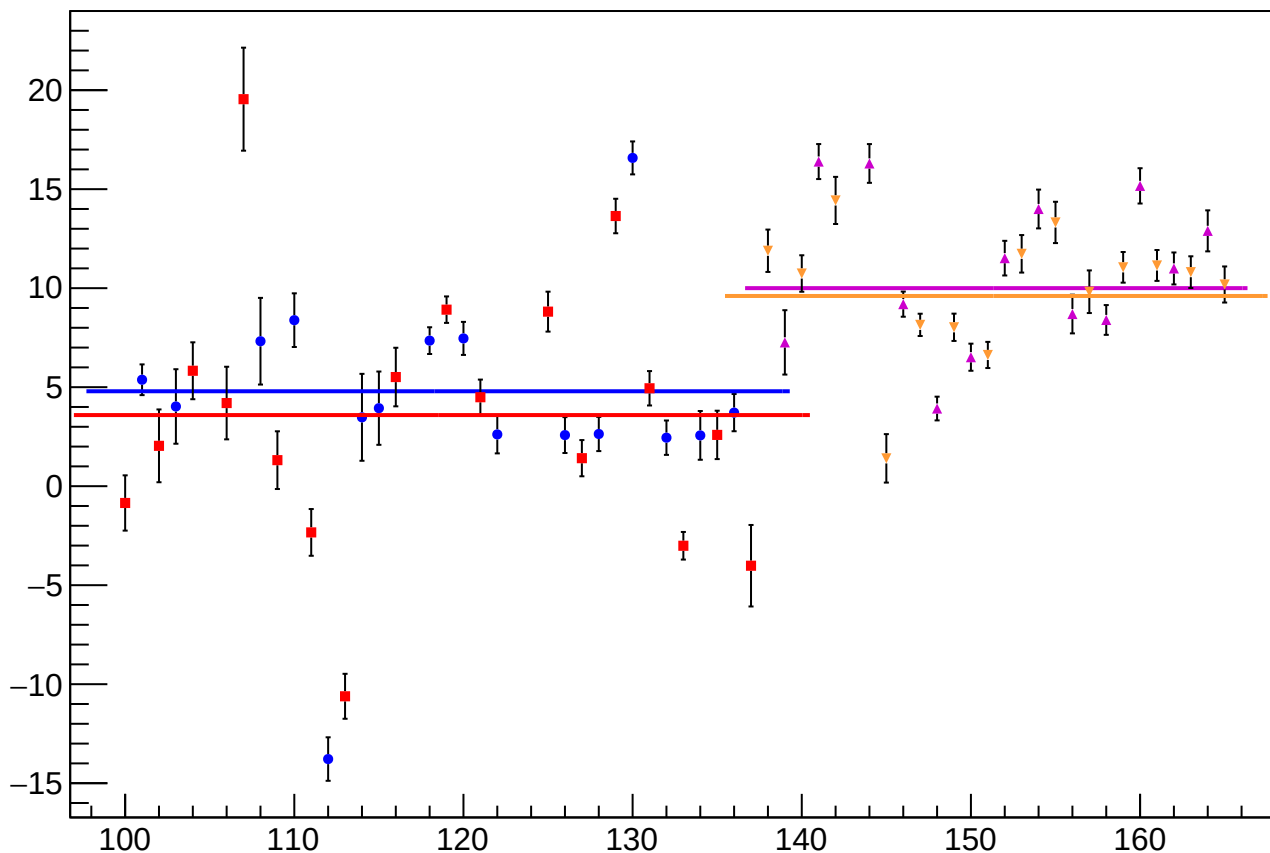
Right: 29.549 $\pm$ 0.289 χ^2 /NDF: 3618.6/33

In: 15.524 $\pm$ 0.229 χ^2 /NDF:3856.0/28

Out: 15.766 $\pm$ 0.225 χ^2 /NDF:4932.1/31

All: 15.647 $\pm$ 0.161 χ^2 /NDF: 8788.6/60

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: 9.606 $\pm$ 0.224 χ^2 /NDF:127.6/13

Right Out: 3.591 $\pm$ 0.254 χ^2 /NDF: 573.3/17

Left In: 10.002 $\pm$ 0.230 χ^2 /NDF:296.0/12

Left: 9.799 $\pm$ 0.160 χ^2 /NDF: 425.1/26

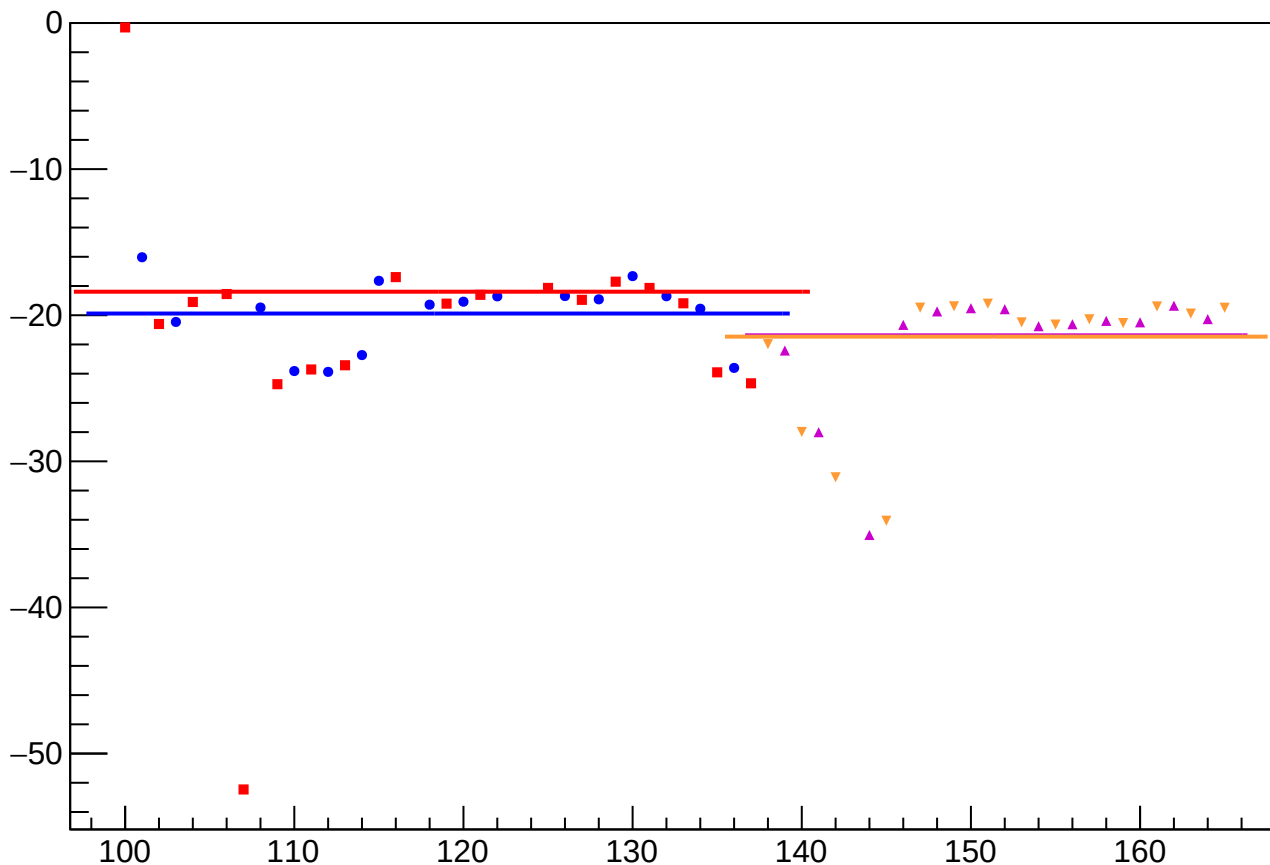
Right: 4.201 $\pm$ 0.179 χ^2 /NDF: 1134.6/33

In: 7.631 $\pm$ 0.169 χ^2 /NDF:1080.3/28

Out: 6.982 $\pm$ 0.168 χ^2 /NDF:1015.9/31

All: 7.304 $\pm$ 0.119 χ^2 /NDF: 2103.6/60

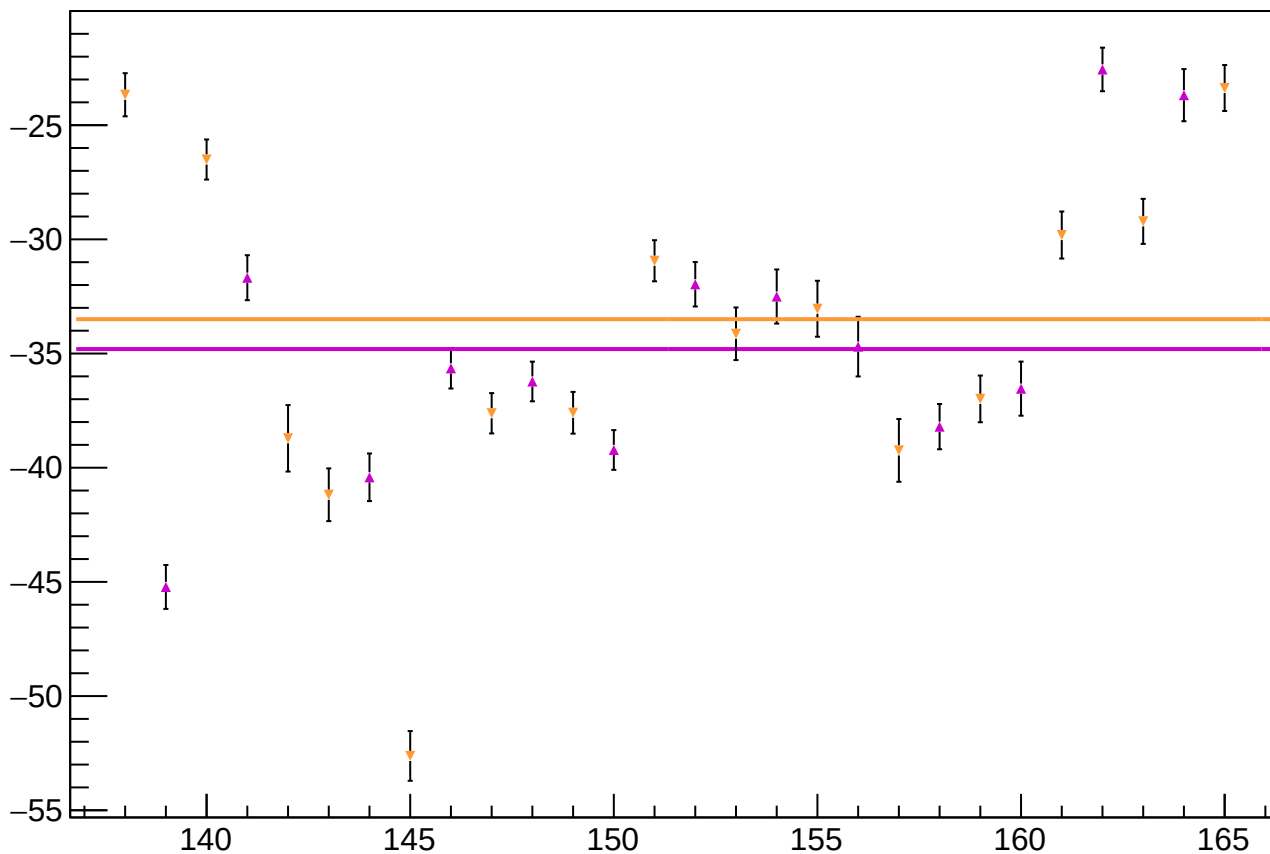
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.883 ± 0.016 $\chi^2/\text{NDF}: 26063.5/15$
 Left Out: -21.465 ± 0.011 $\chi^2/\text{NDF}: 124169.2/13$
 Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301247.7/17$
 Left In: -21.375 ± 0.011 $\chi^2/\text{NDF}: 99397.4/12$

Left: -21.420 ± 0.008 $\chi^2/\text{NDF}: 223601.2/26$
 Right: -19.096 ± 0.011 $\chi^2/\text{NDF}: 332167.8/33$
 In: -20.889 ± 0.009 $\chi^2/\text{NDF}: 131658.2/28$
 Out: -20.388 ± 0.009 $\chi^2/\text{NDF}: 453708.9/31$
 All: -20.634 ± 0.006 $\chi^2/\text{NDF}: 586984.2/60$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



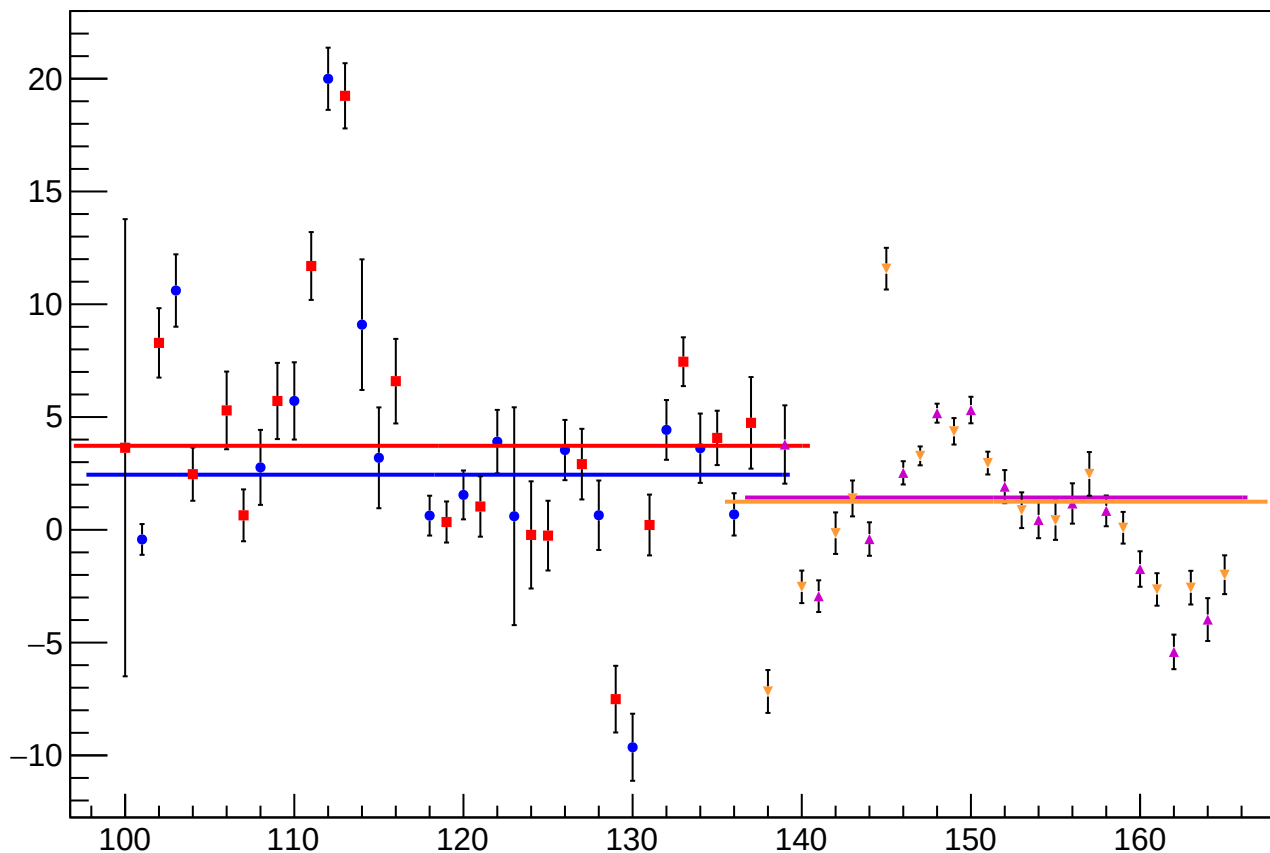
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.496+/-0.267 χ^2/NDF : 749.4/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -34.804+/-0.278 χ^2/NDF : 471.6/12

Left: -34.122+/-0.193 χ^2/NDF : 1232.5/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.804+/-0.278 χ^2/NDF : 471.6/12
 Out: -33.496+/-0.267 χ^2/NDF : 749.4/14

All: -34.122+/-0.193 χ^2/NDF : 1232.5/27

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: 1.247 ± 0.181 χ^2/NDF : 371.3/14

Right Out: 3.726 ± 0.327 χ^2/NDF : 269.1/18

Left In: 1.432 ± 0.190 χ^2/NDF : 304.7/12

Left: 1.335 ± 0.131 χ^2/NDF : 676.5/27

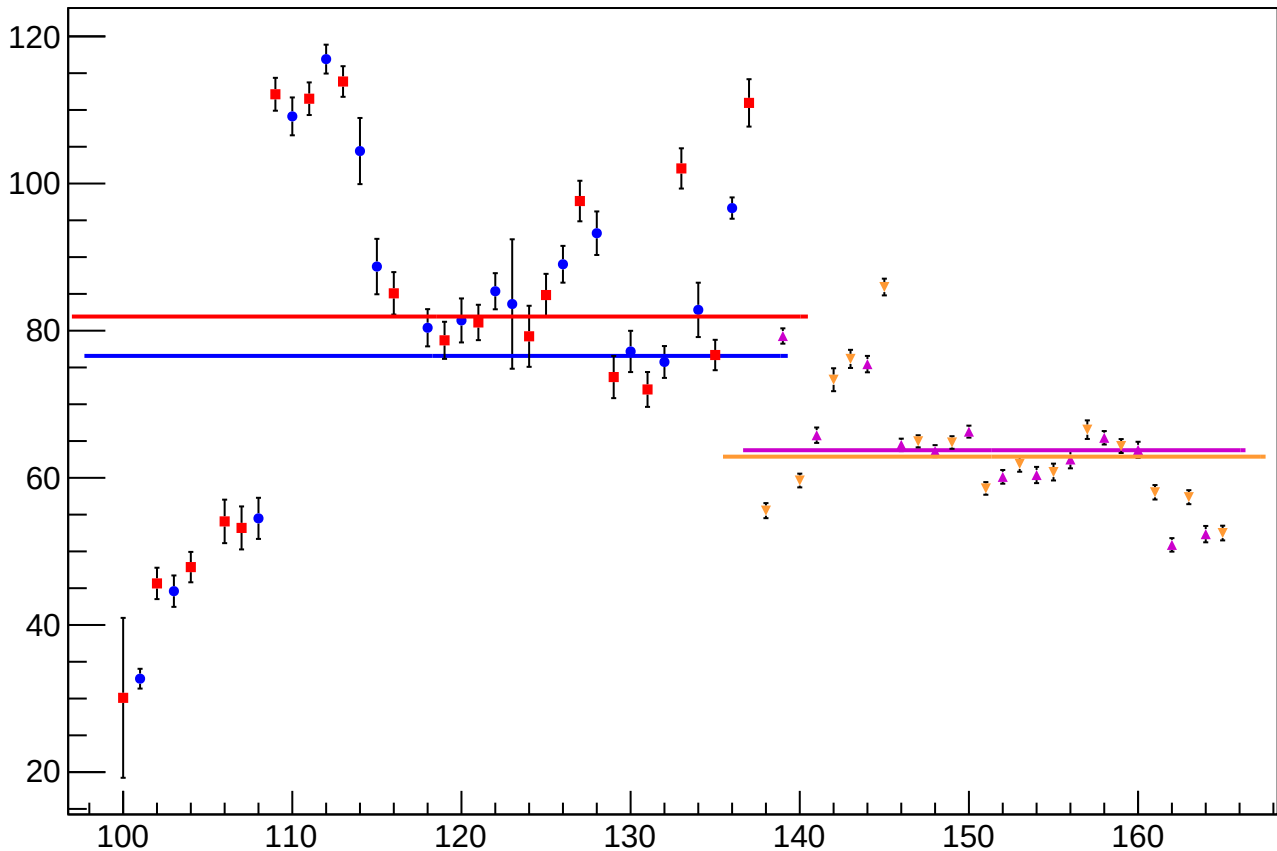
Right: 3.053 ± 0.225 χ^2/NDF : 572.5/35

In: 1.707 ± 0.162 χ^2/NDF : 607.7/29

Out: 1.828 ± 0.158 χ^2/NDF : 684.4/33

All: 1.769 ± 0.113 χ^2/NDF : 1292.4/63

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.572 $\pm$ 0.573 χ^2/NDF : 2253.6/16

Left Out: 62.878 $\pm$ 0.261 χ^2/NDF :852.7/14

Right Out: 81.923 $\pm$ 0.592 χ^2/NDF : 1570.6/18

Left In: 63.753 $\pm$ 0.270 χ^2/NDF :677.2/12

Left: 63.301 $\pm$ 0.188 χ^2/NDF : 1535.4/27

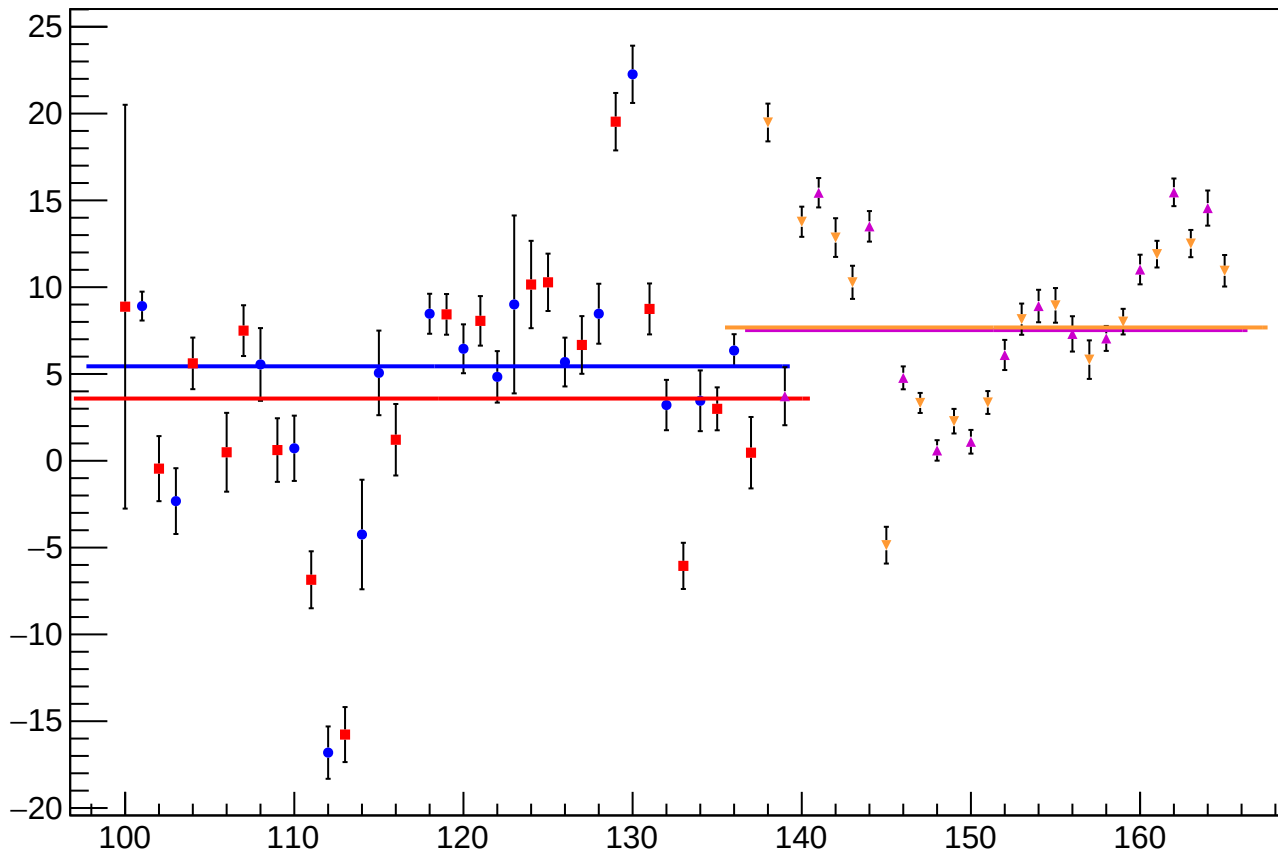
Right: 79.162 $\pm$ 0.412 χ^2/NDF : 3866.3/35

In: 66.080 $\pm$ 0.244 χ^2/NDF :3340.0/29

Out: 65.983 $\pm$ 0.239 χ^2/NDF :3289.8/33

All: 66.030 $\pm$ 0.171 χ^2/NDF : 6629.9/63

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: 7.607 $\pm$ 0.155 χ^2/NDF : 1133.5/27

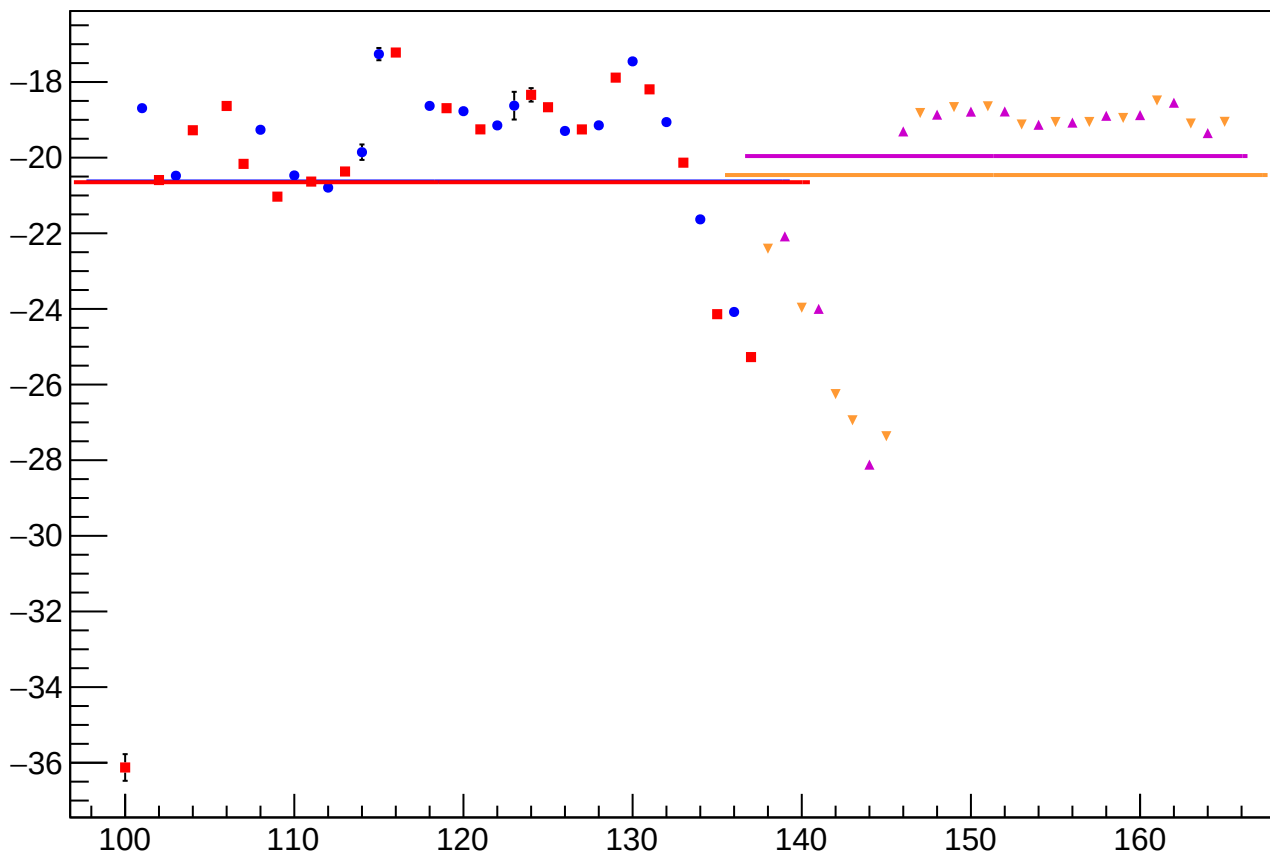
Right: 4.559 $\pm$ 0.259 χ^2/NDF : 823.5/35

In: 6.934 $\pm$ 0.191 χ^2/NDF : 965.0/29

Out: 6.669 $\pm$ 0.186 χ^2/NDF : 1093.1/33

All: 6.799 $\pm$ 0.133 χ^2/NDF : 2059.0/63

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 $\pm$ 0.019 χ^2 /NDF: 12490.5/16

Left Out: -20.460 $\pm$ 0.010 χ^2 /NDF: 76485.4/14

Right Out: -20.650 $\pm$ 0.019 χ^2 /NDF: 13885.7/18

Left In: -19.958 $\pm$ 0.011 χ^2 /NDF: 48230.7/12

Left: -20.215 $\pm$ 0.007 χ^2 /NDF: 125851.5/27

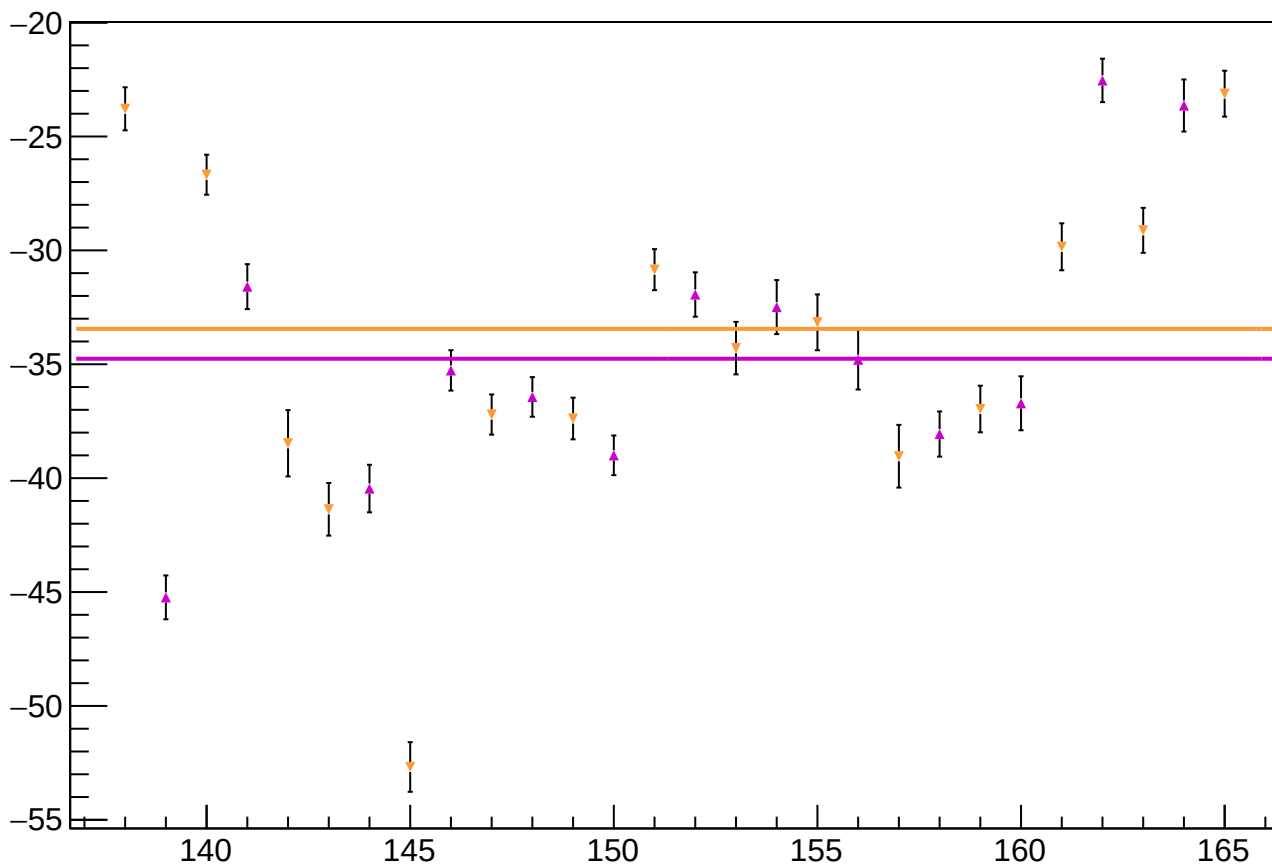
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26376.6/35

In: -20.116 $\pm$ 0.009 χ^2 /NDF: 61652.8/29

Out: -20.502 $\pm$ 0.009 χ^2 /NDF: 90445.2/33

All: -20.312 $\pm$ 0.007 χ^2 /NDF: 152970.9/63

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



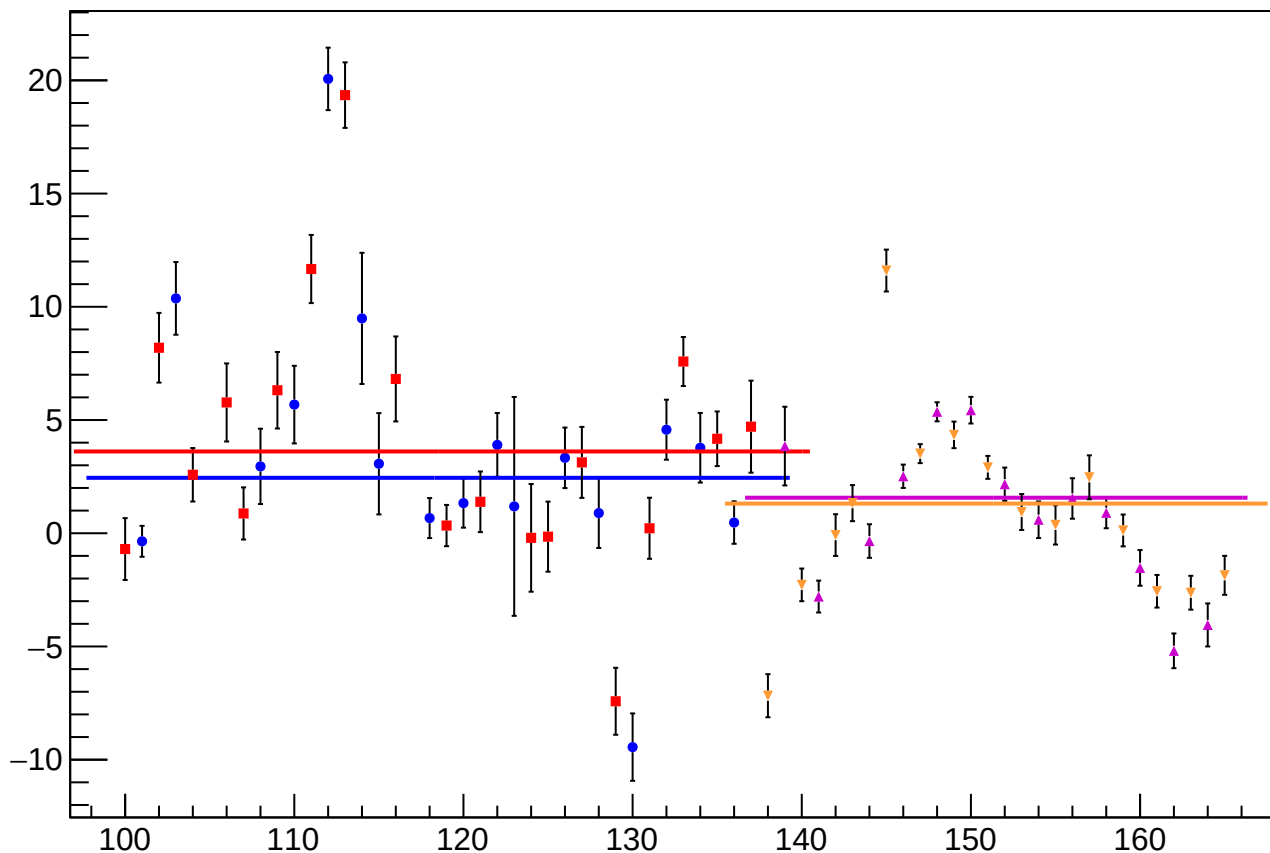
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.446+/-0.267 χ^2/NDF : 744.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -34.758+/-0.279 χ^2/NDF : 470.9/12

Left: -34.074+/-0.193 χ^2/NDF : 1227.1/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.758+/-0.279 χ^2/NDF : 470.9/12
 Out: -33.446+/-0.267 χ^2/NDF : 744.6/14

All: -34.074+/-0.193 χ^2/NDF : 1227.1/27

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.448 $\pm$ 0.311 χ^2 /NDF: 293.4/16

Left Out: 1.309 $\pm$ 0.181 χ^2 /NDF: 370.8/14

Right Out: 3.611 $\pm$ 0.318 χ^2 /NDF: 279.4/18

Left In: 1.569 $\pm$ 0.190 χ^2 /NDF: 305.7/12

Left: 1.432 $\pm$ 0.131 χ^2 /NDF: 677.5/27

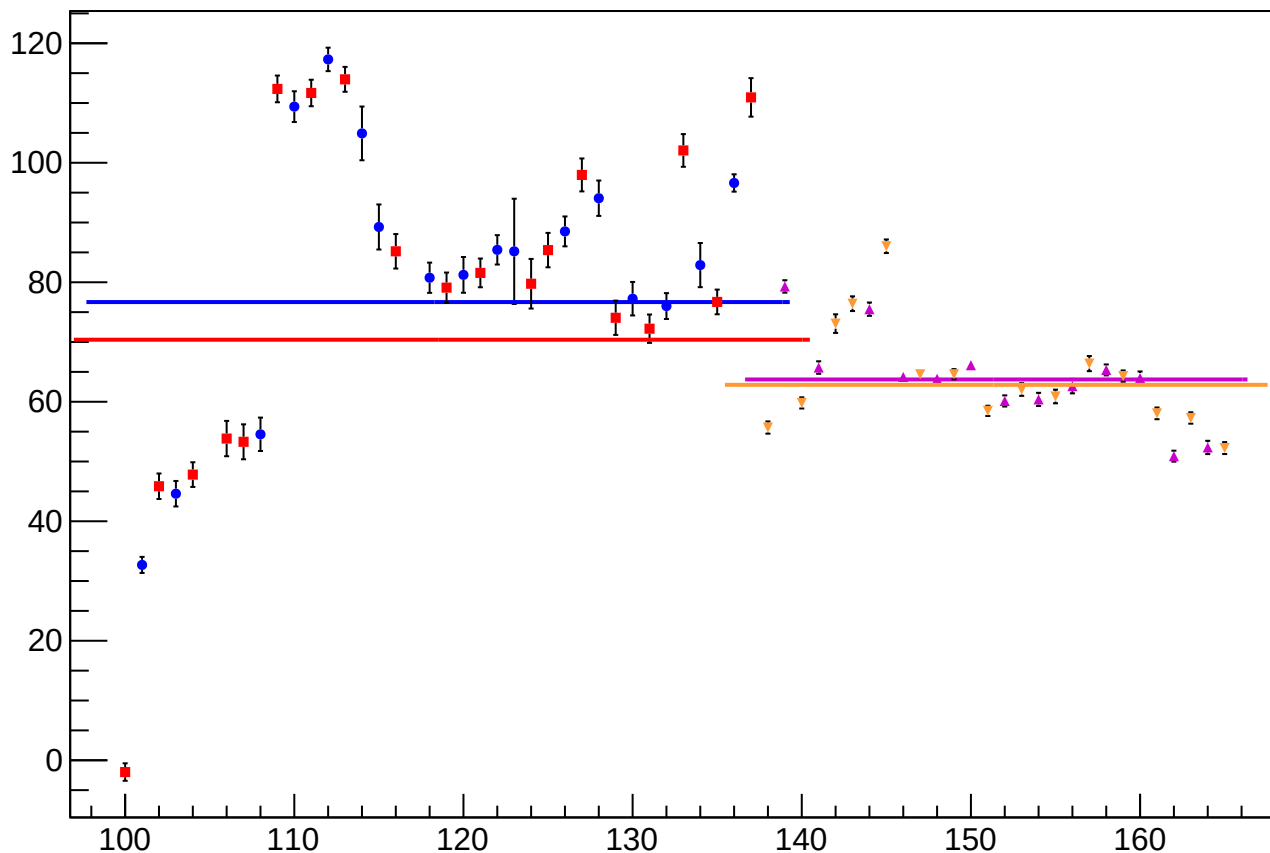
Right: 3.017 $\pm$ 0.223 χ^2 /NDF: 579.6/35

In: 1.808 $\pm$ 0.162 χ^2 /NDF: 604.9/29

Out: 1.872 $\pm$ 0.157 χ^2 /NDF: 689.8/33

All: 1.841 $\pm$ 0.113 χ^2 /NDF: 1294.7/63

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.687 $\pm$ 0.574 χ^2/NDF : 2265.1/16

Left Out: 62.834 $\pm$ 0.261 χ^2/NDF : 856.6/14

Right Out: 70.386 $\pm$ 0.550 χ^2/NDF : 4391.1/18

Left In: 63.732 $\pm$ 0.270 χ^2/NDF : 674.7/12

Left: 63.268 $\pm$ 0.188 χ^2/NDF : 1537.0/27

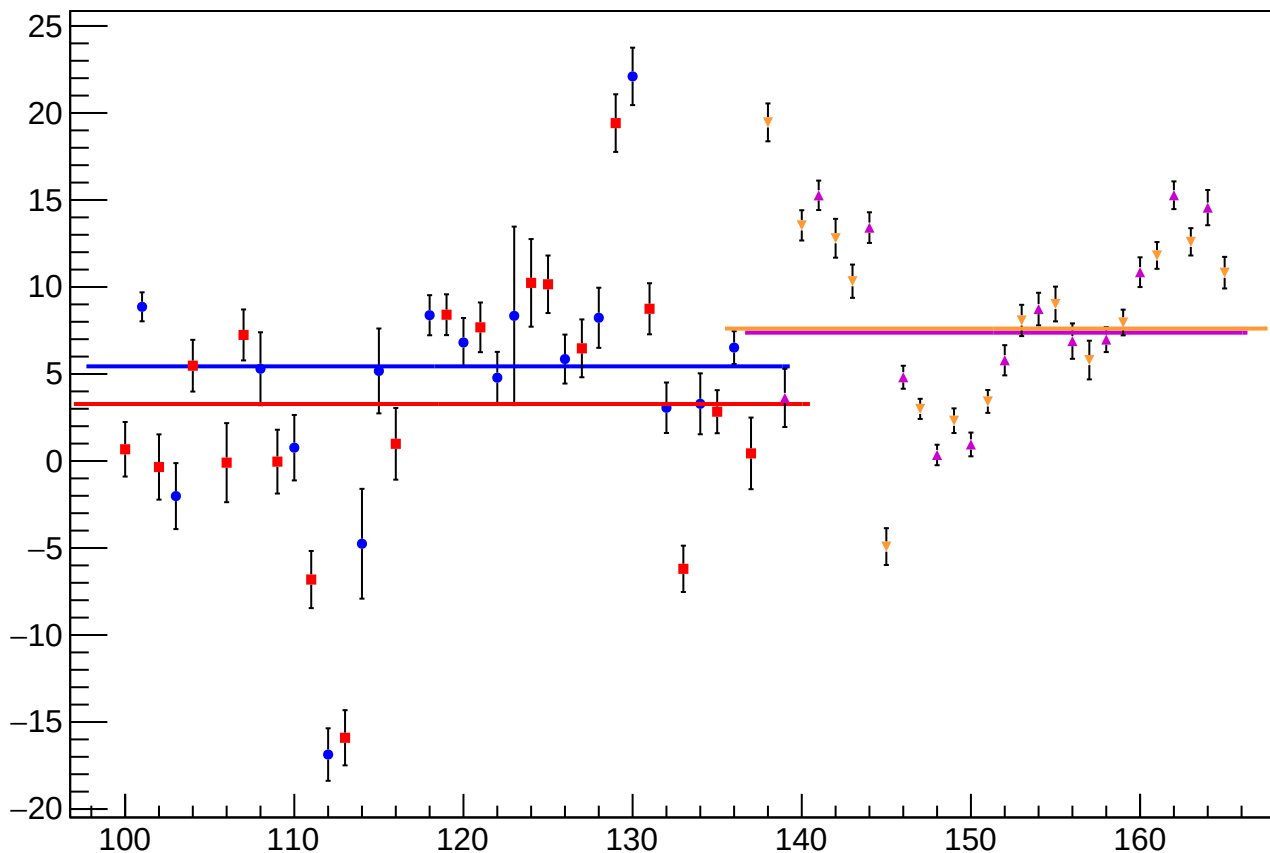
Right: 73.402 $\pm$ 0.397 χ^2/NDF : 6719.1/35

In: 66.084 $\pm$ 0.244 χ^2/NDF : 3357.2/29

Out: 64.226 $\pm$ 0.236 χ^2/NDF : 5401.7/33

All: 65.123 $\pm$ 0.170 χ^2/NDF : 8788.8/63

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.439 ± 0.357 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.611 ± 0.215 $\chi^2/\text{NDF}: 582.7/14$

Right Out: 3.275 ± 0.365 $\chi^2/\text{NDF}: 425.8/18$

Left In: 7.375 ± 0.226 $\chi^2/\text{NDF}: 555.8/12$

Left: 7.499 ± 0.156 $\chi^2/\text{NDF}: 1139.1/27$

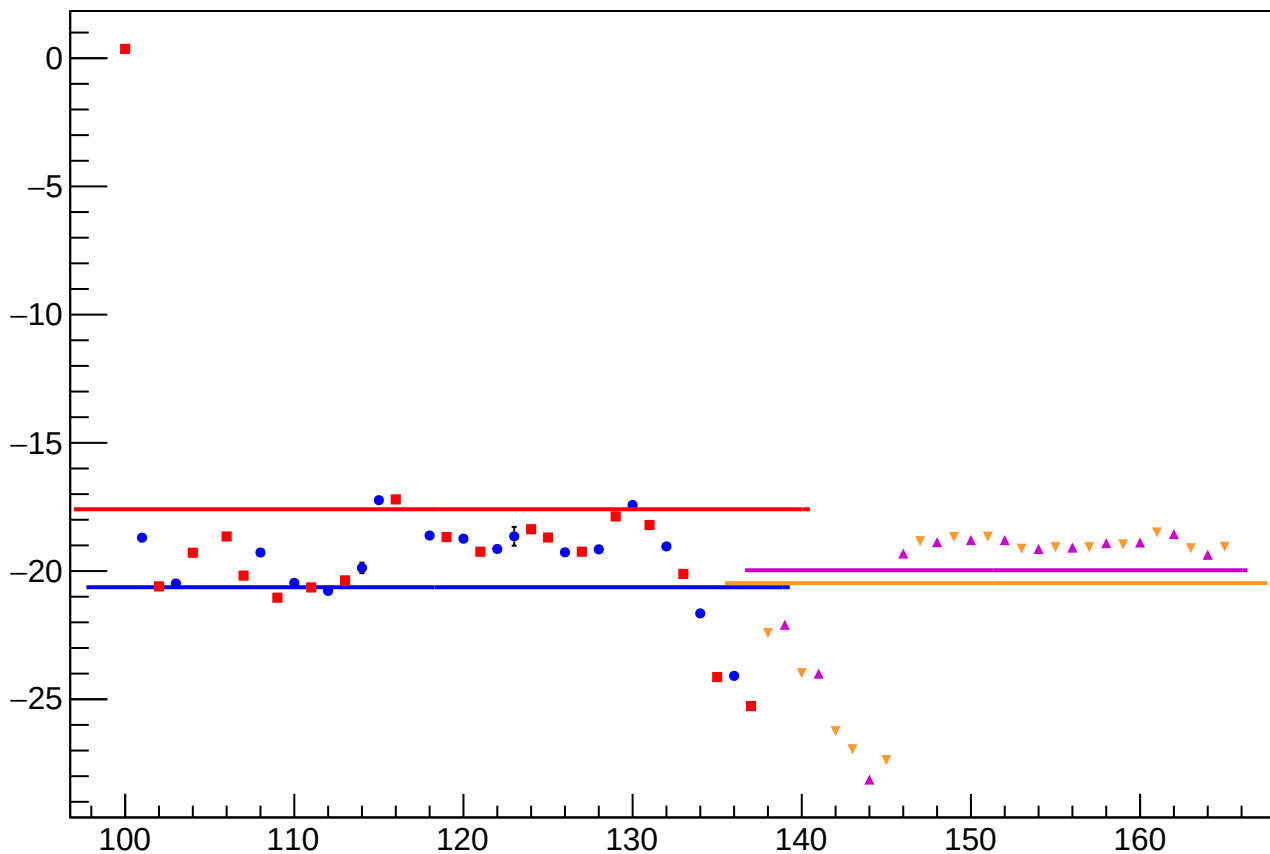
Right: 4.381 ± 0.256 $\chi^2/\text{NDF}: 829.6/35$

In: 6.823 ± 0.191 $\chi^2/\text{NDF}: 962.7/29$

Out: 6.497 ± 0.185 $\chi^2/\text{NDF}: 1113.2/33$

All: 6.655 ± 0.133 $\chi^2/\text{NDF}: 2077.4/63$

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632+/-0.019 χ^2/NDF : 12530.8/16

Left Out: -20.469+/-0.010 χ^2/NDF : 76340.9/14

Right Out: -17.591+/-0.018 χ^2/NDF : 178680.7/18

Left In: -19.969+/-0.011 χ^2/NDF : 48161.9/12

Left: -20.226+/-0.007 χ^2/NDF : 125630.5/27

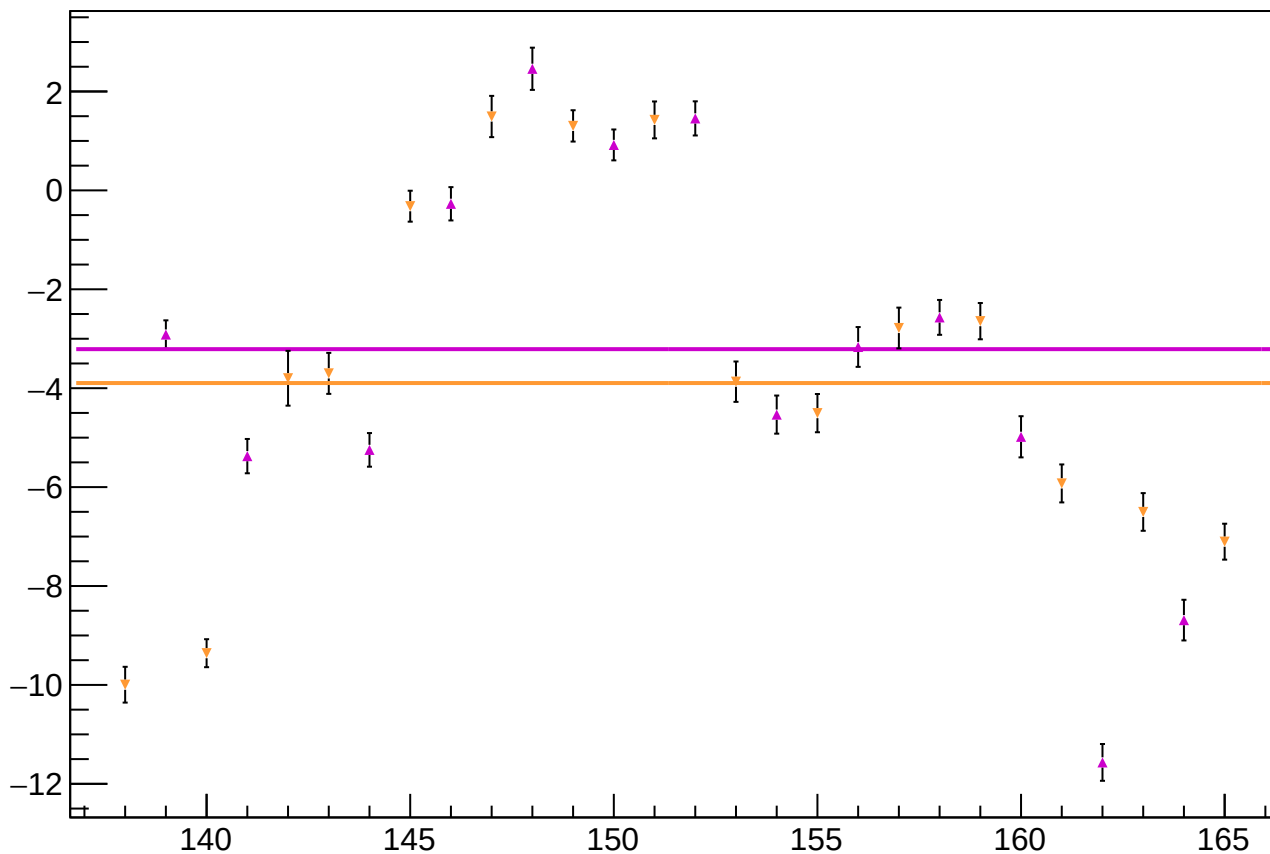
Right: -19.007+/-0.013 χ^2/NDF : 204486.4/35

In: -20.124+/-0.009 χ^2/NDF : 61595.9/29

Out: -19.750+/-0.009 χ^2/NDF : 274173.9/33

All: -19.930+/-0.006 χ^2/NDF : 336603.5/63

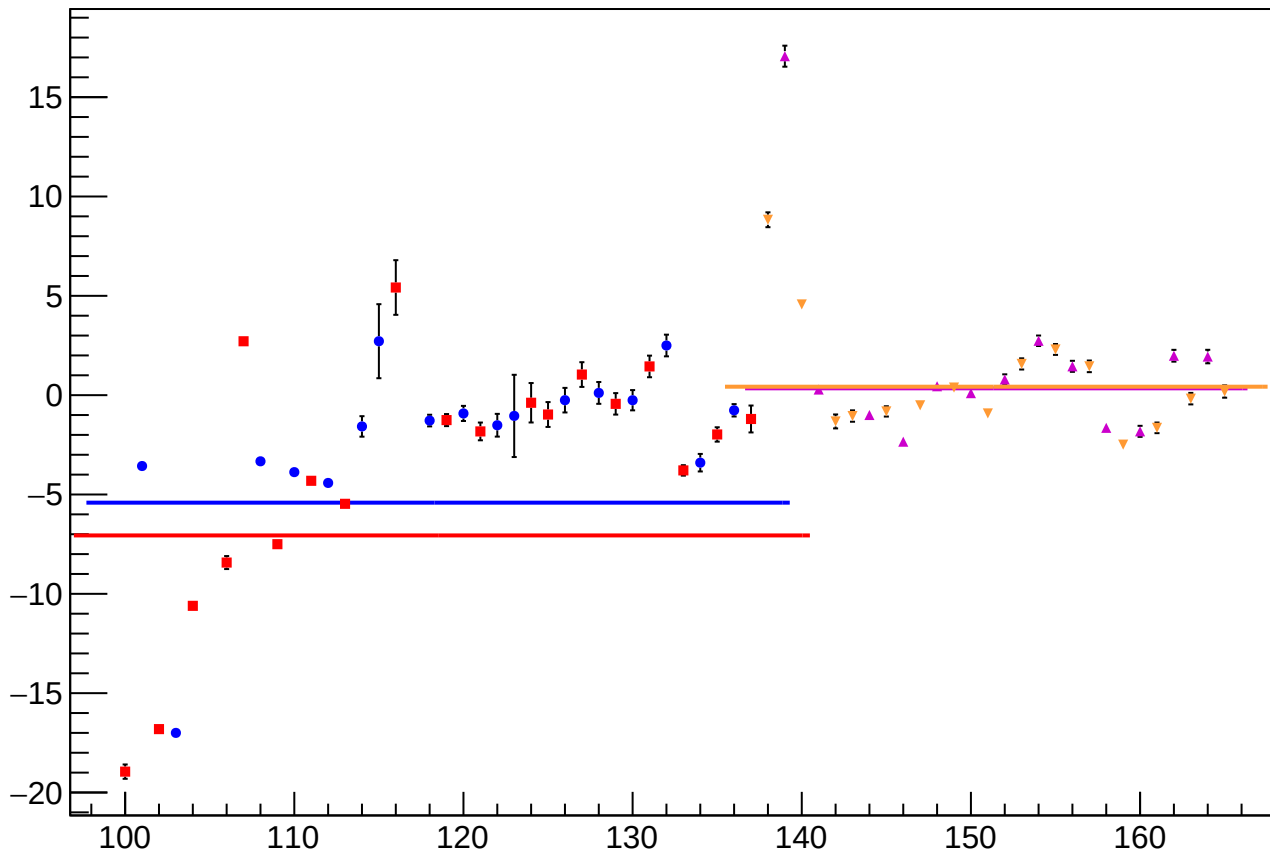
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.896+/-0.096 χ^2/NDF :1601.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.210+/-0.099 χ^2/NDF :1401.3/12

Left: -3.566+/-0.069 χ^2/NDF : 3027.8/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.210+/-0.099 χ^2/NDF :1401.3/12
 Out: -3.896+/-0.096 χ^2/NDF :1601.6/14
 All: -3.566+/-0.069 χ^2/NDF : 3027.8/27

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.411 ± 0.055 χ^2/NDF : 9261.2/16

Left Out: 0.426 ± 0.068 χ^2/NDF : 1220.6/14

Right Out: -7.060 ± 0.059 χ^2/NDF : 12329.4/18

Left In: 0.344 ± 0.072 χ^2/NDF : 1470.4/12

Left: 0.387 ± 0.049 χ^2/NDF : 2691.8/27

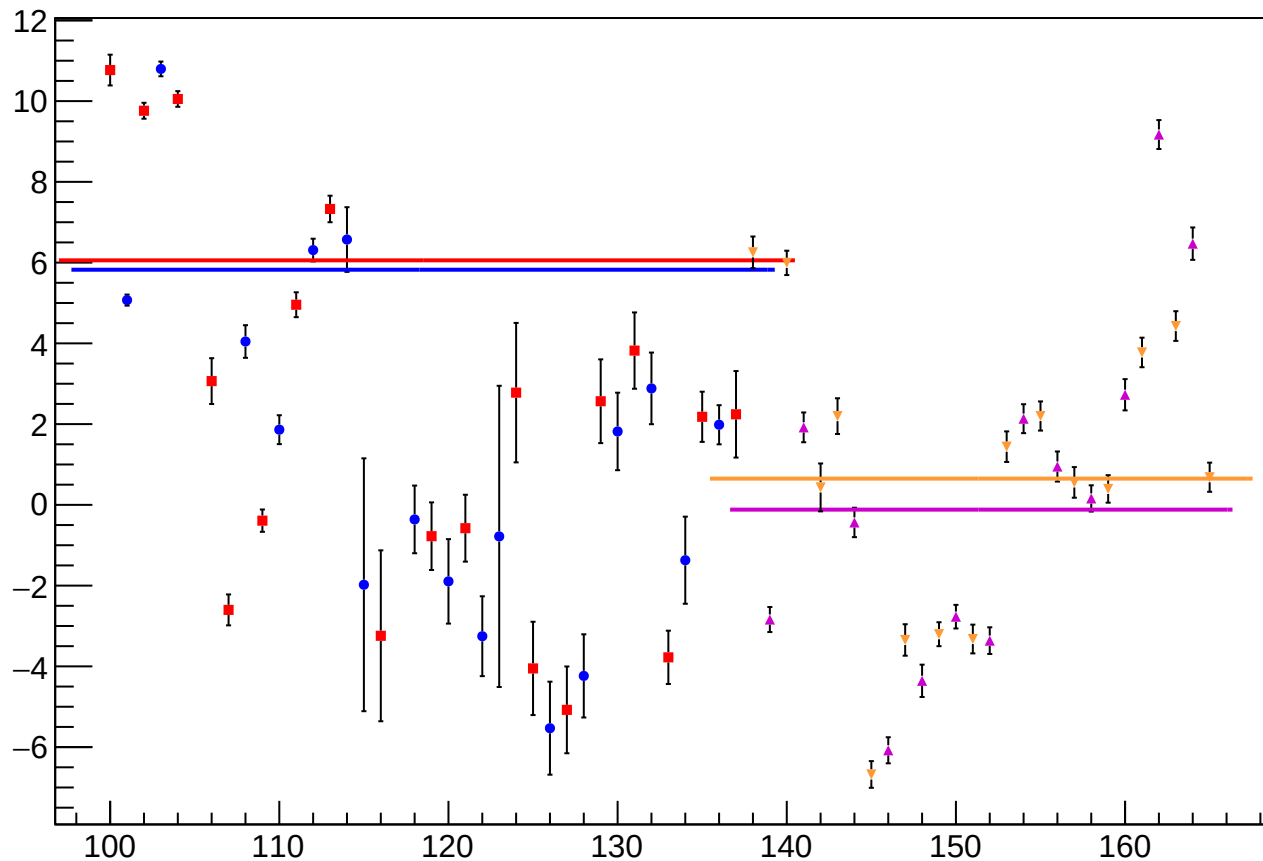
Right: -6.173 ± 0.040 χ^2/NDF : 22010.3/35

In: -3.288 ± 0.043 χ^2/NDF : 14809.5/29

Out: -3.822 ± 0.044 χ^2/NDF : 20505.3/33

All: -3.549 ± 0.031 χ^2/NDF : 35388.4/63

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.824 ± 0.090 χ^2/NDF : 1452.6/16

Left Out: 0.650 ± 0.094 χ^2/NDF : 1622.8/14

Right Out: 6.056 ± 0.093 χ^2/NDF : 2668.9/18

Left In: -0.118 ± 0.097 χ^2/NDF : 1785.7/12

Left: 0.277 ± 0.067 χ^2/NDF : 3440.9/27

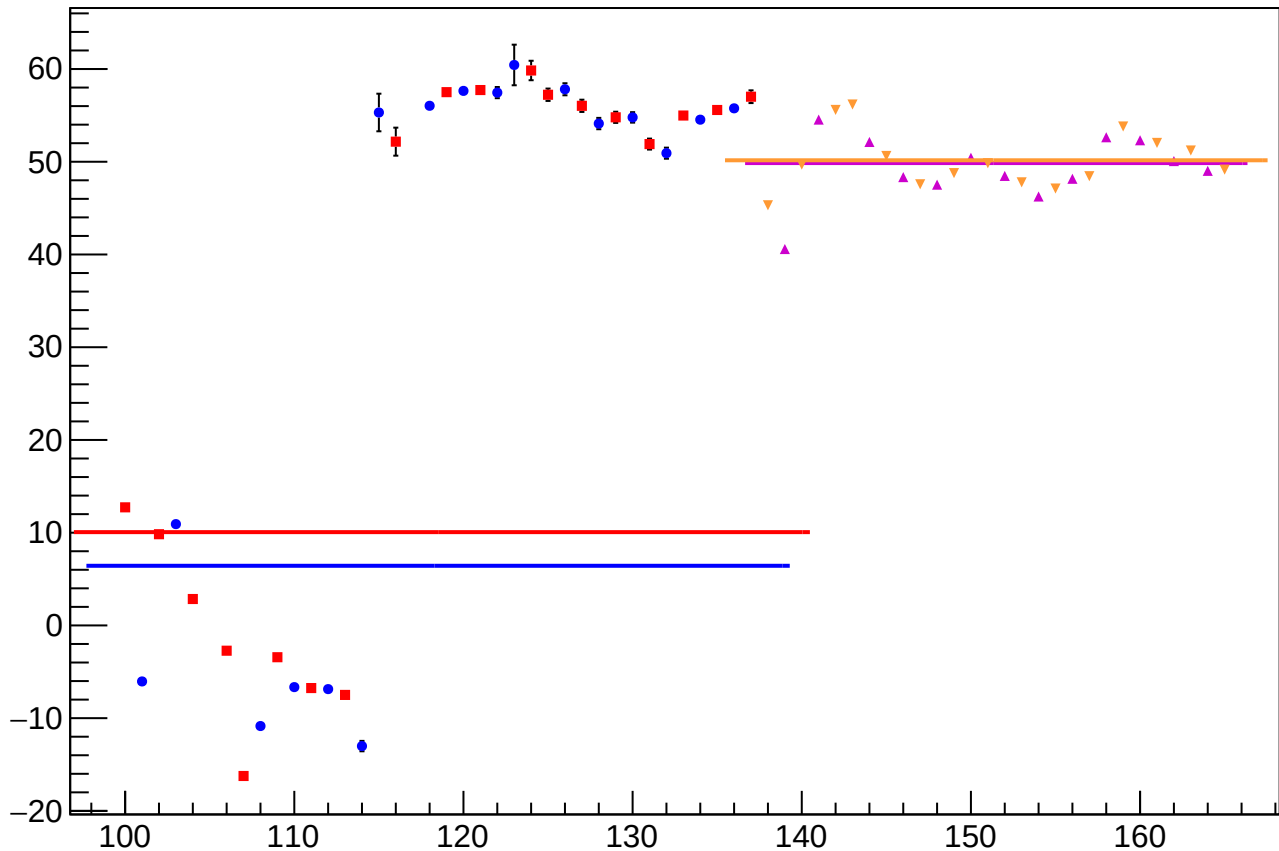
Right: 5.935 ± 0.065 χ^2/NDF : 4124.7/35

In: 3.077 ± 0.066 χ^2/NDF : 5271.7/29

Out: 3.372 ± 0.066 χ^2/NDF : 5958.1/33

All: 3.223 ± 0.047 χ^2/NDF : 11239.7/63

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: 50.157 $\pm$ 0.079 χ^2 /NDF:1155.3/14

Right Out: 10.060 $\pm$ 0.070 χ^2 /NDF: 121816.0/18

Left In: 49.858 $\pm$ 0.083 χ^2 /NDF:1120.5/12

Left: 50.015 $\pm$ 0.057 χ^2 /NDF: 2282.7/27

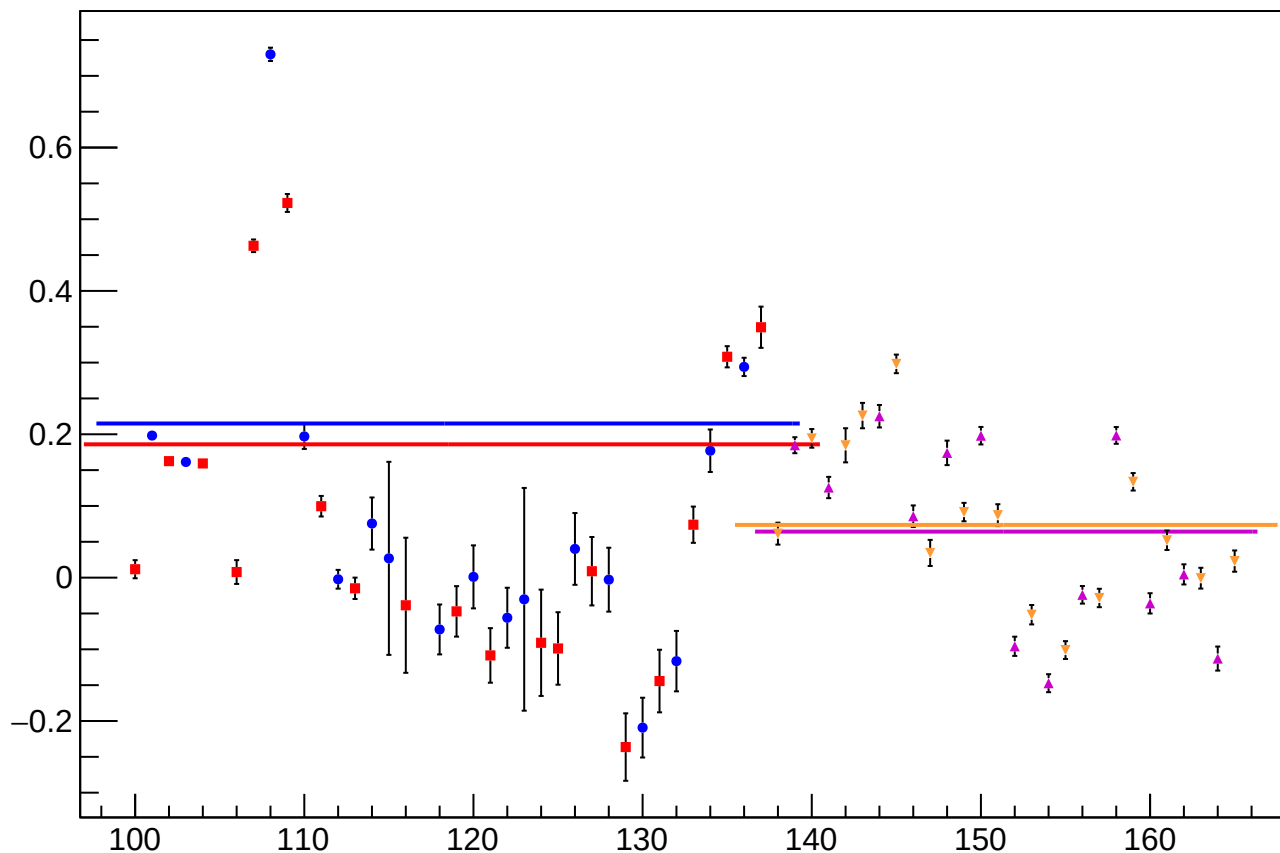
Right: 8.110 $\pm$ 0.047 χ^2 /NDF: 246756.9/35

In: 22.864 $\pm$ 0.051 χ^2 /NDF:295073.8/29

Out: 27.660 $\pm$ 0.052 χ^2 /NDF:268062.2/33

All: 25.205 $\pm$ 0.036 χ^2 /NDF: 567450.3/63

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: 0.074 $\pm$ 0.004 χ^2 /NDF: 901.3/14

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2720.3/18

Left In: 0.064 $\pm$ 0.004 χ^2 /NDF: 1192.2/12

Left: 0.069 $\pm$ 0.003 χ^2 /NDF: 2096.7/27

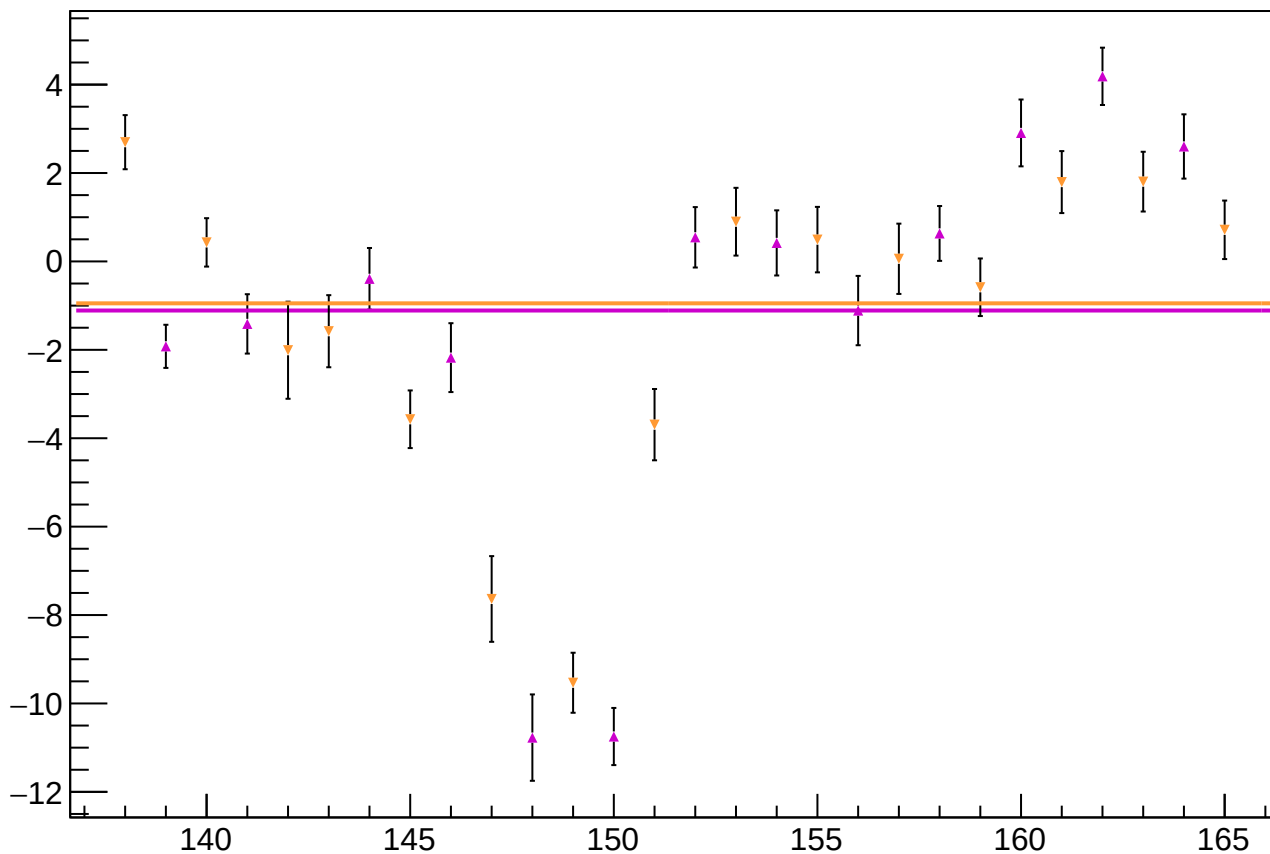
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 6707.1/35

In: 0.162 $\pm$ 0.002 χ^2 /NDF: 6165.1/29

Out: 0.147 $\pm$ 0.002 χ^2 /NDF: 4230.6/33

All: 0.154 $\pm$ 0.002 χ^2 /NDF: 10419.5/63

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.948 $\pm$ 0.184 χ^2 /NDF:328.2/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.111 $\pm$ 0.190 χ^2 /NDF:465.0/12

Left: -1.027 $\pm$ 0.132 χ^2 /NDF: 793.6/27

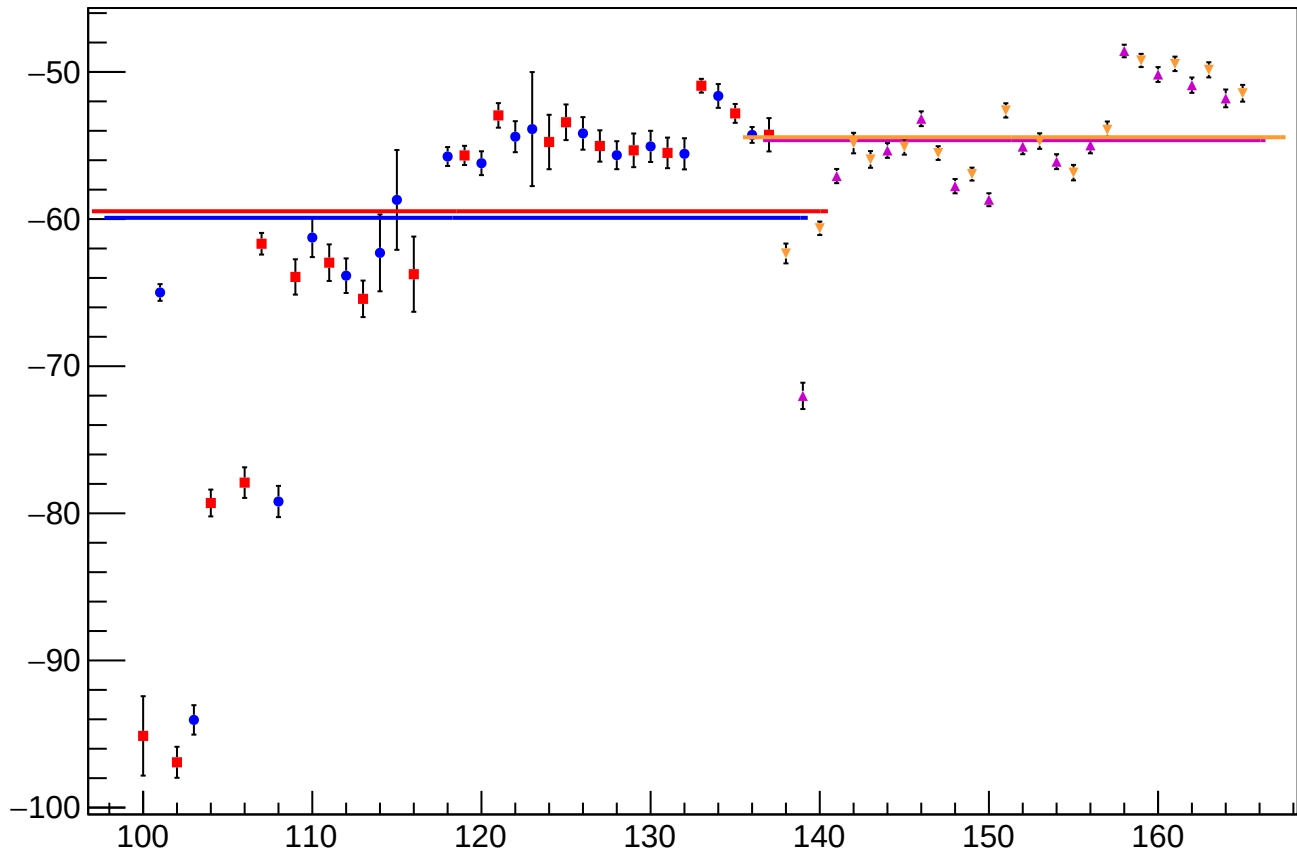
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -1.111 $\pm$ 0.190 χ^2 /NDF:465.0/12

Out: -0.948 $\pm$ 0.184 χ^2 /NDF:328.2/14

All: -1.027 $\pm$ 0.132 χ^2 /NDF: 793.6/27

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: -54.438 ± 0.134 χ^2/NDF : 747.4/14

Right Out: -59.468 ± 0.212 χ^2/NDF : 2912.7/18

Left In: -54.635 ± 0.142 χ^2/NDF : 899.7/12

Left: -54.531 ± 0.097 χ^2/NDF : 1648.1/27

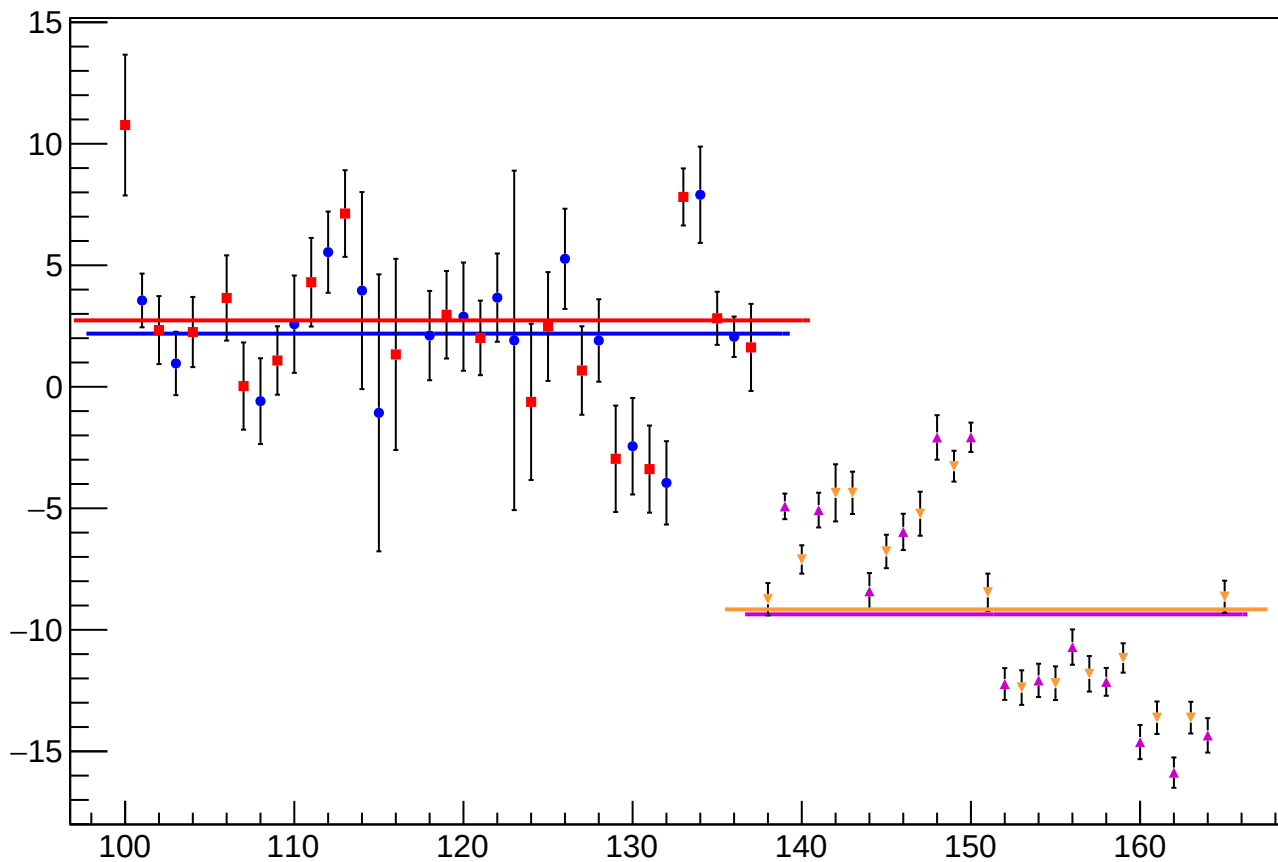
Right: -59.680 ± 0.154 χ^2/NDF : 4894.3/35

In: -56.155 ± 0.120 χ^2/NDF : 3278.3/29

Out: -55.872 ± 0.113 χ^2/NDF : 4062.2/33

All: -56.006 ± 0.082 χ^2/NDF : 7343.5/63

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.188 ± 0.404 $\chi^2/\text{NDF}: 39.1/16$

Left Out: -9.159 ± 0.182 $\chi^2/\text{NDF}: 333.3/14$

Right Out: 2.733 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -9.362 ± 0.186 $\chi^2/\text{NDF}: 613.7/12$

Left: -9.258 ± 0.130 $\chi^2/\text{NDF}: 947.6/27$

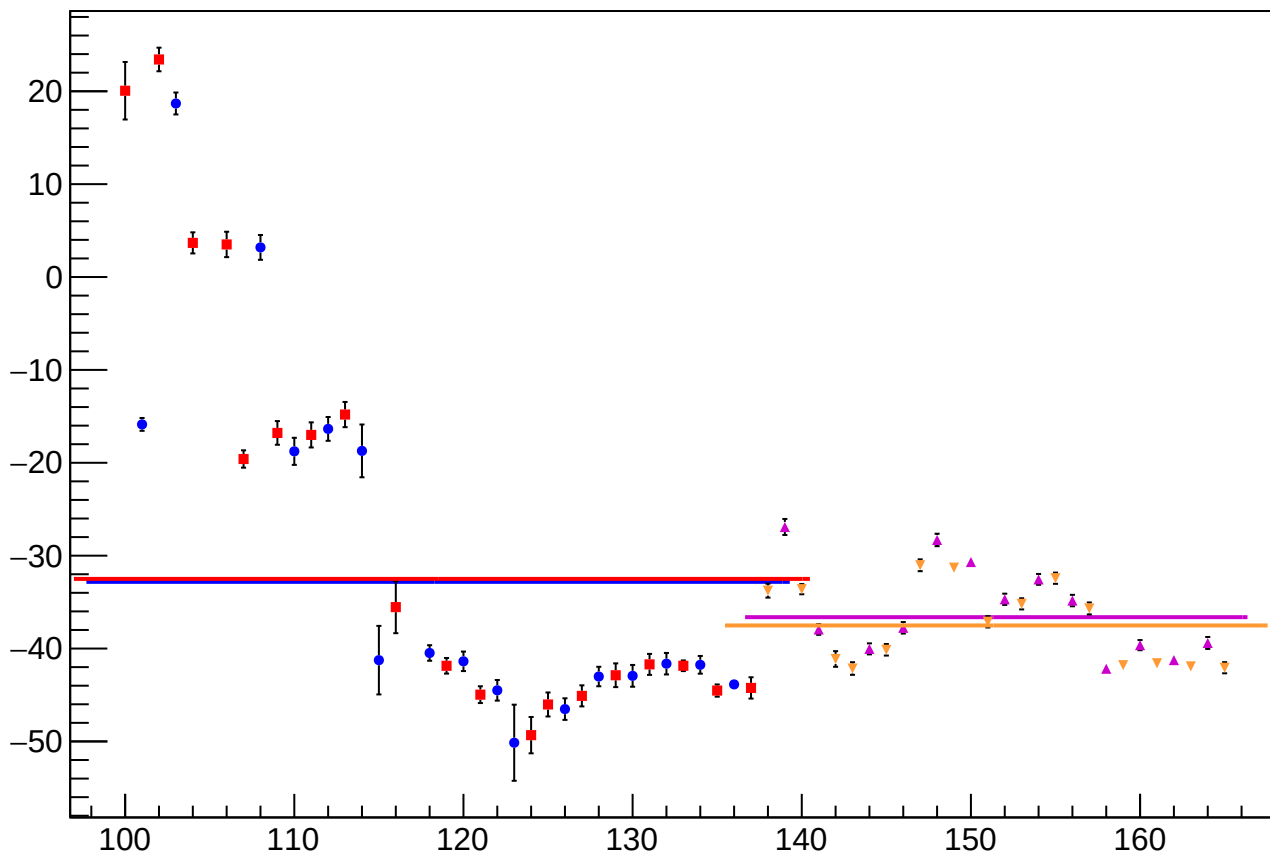
Right: 2.472 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$

In: -7.352 ± 0.169 $\chi^2/\text{NDF}: 1327.6/29$

Out: -7.018 ± 0.164 $\chi^2/\text{NDF}: 1163.9/33$

All: -7.181 ± 0.118 $\chi^2/\text{NDF}: 2493.5/63$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.817 ± 0.254 $\chi^2/\text{NDF}: 4666.6/16$

Left Out: -37.514 ± 0.154 $\chi^2/\text{NDF}: 759.9/14$

Right Out: -32.501 ± 0.244 $\chi^2/\text{NDF}: 6037.9/18$

Left In: -36.622 ± 0.162 $\chi^2/\text{NDF}: 798.3/12$

Left: -37.090 ± 0.112 $\chi^2/\text{NDF}: 1574.2/27$

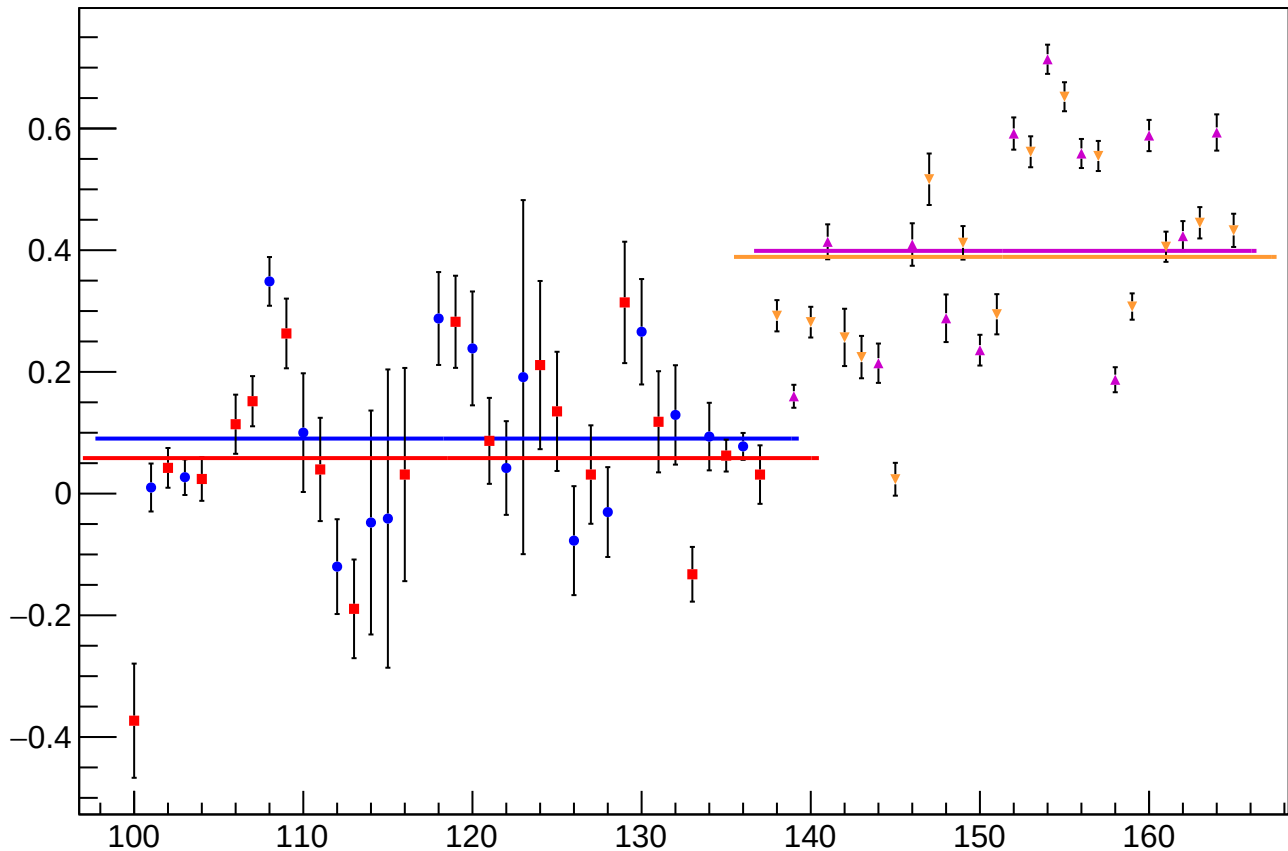
Right: -32.652 ± 0.176 $\chi^2/\text{NDF}: 10705.2/35$

In: -35.524 ± 0.136 $\chi^2/\text{NDF}: 5624.6/29$

Out: -36.085 ± 0.130 $\chi^2/\text{NDF}: 7099.7/33$

All: -35.817 ± 0.094 $\chi^2/\text{NDF}: 12733.1/63$

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: 0.389 $\pm$ 0.007 χ^2 /NDF:499.0/14

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.3/18

Left In: 0.399 $\pm$ 0.007 χ^2 /NDF:717.2/12

Left: 0.394 $\pm$ 0.005 χ^2 /NDF: 1217.2/27

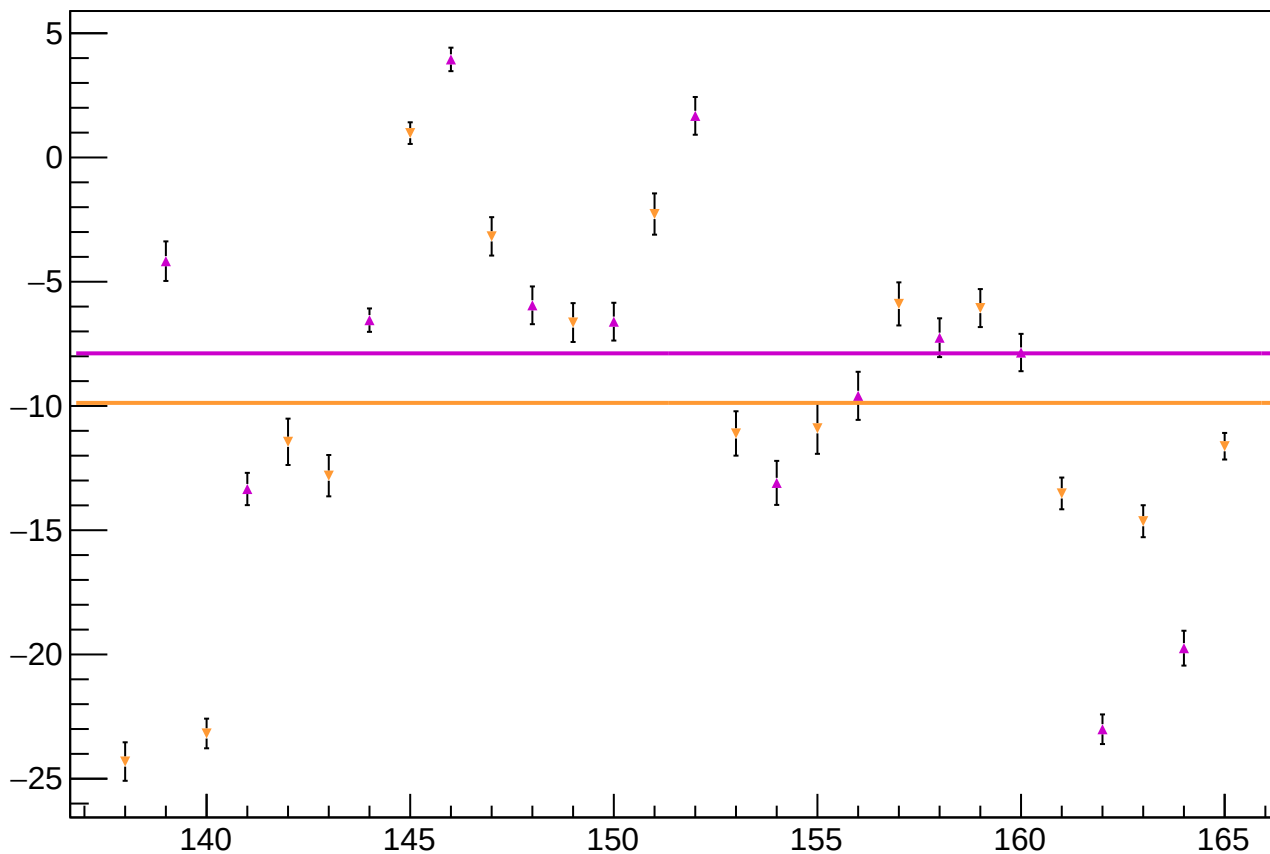
Right: 0.074 $\pm$ 0.009 χ^2 /NDF: 169.9/35

In: 0.325 $\pm$ 0.006 χ^2 /NDF:1243.5/29

Out: 0.306 $\pm$ 0.006 χ^2 /NDF:1140.5/33

All: 0.315 $\pm$ 0.004 χ^2 /NDF: 2388.9/63

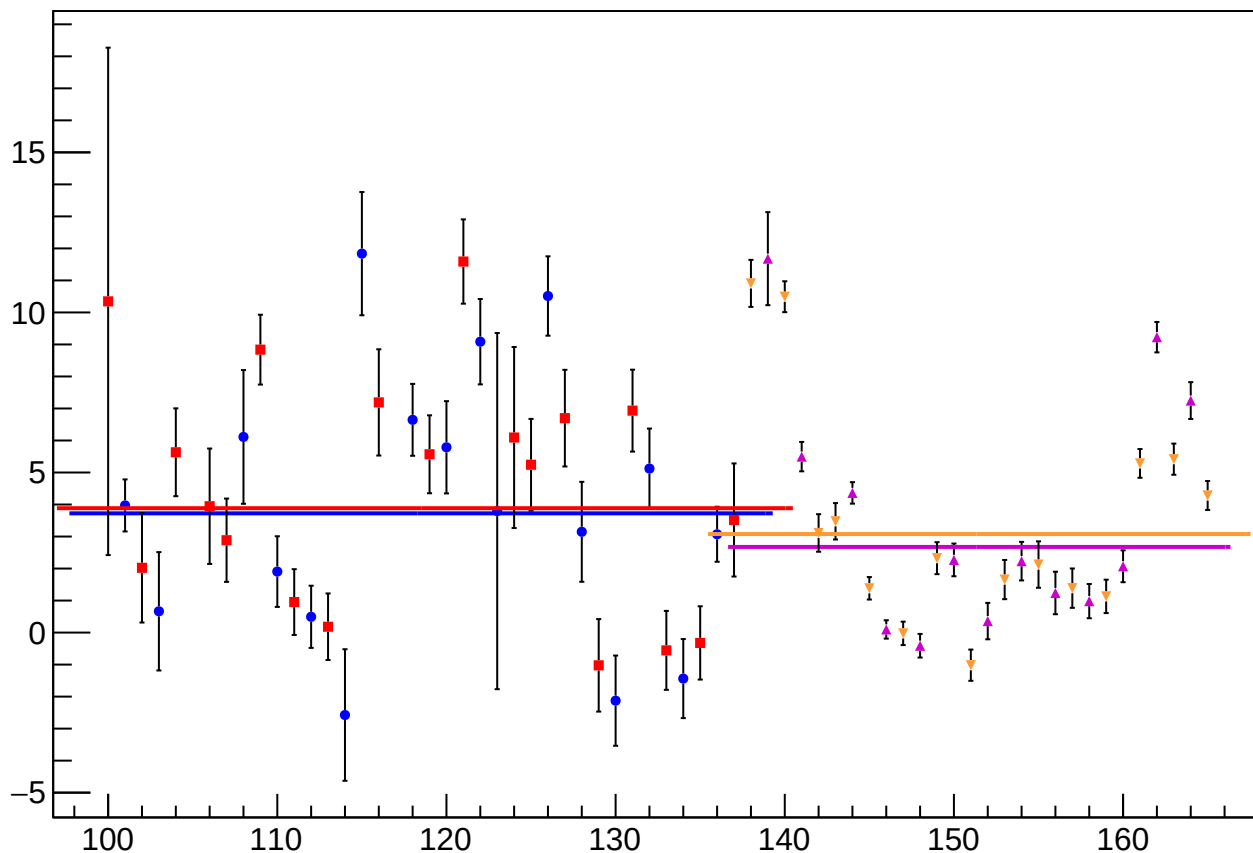
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.876+/-0.180 χ^2/NDF :1802.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.882+/-0.187 χ^2/NDF :1862.1/12

Left: -8.912+/-0.130 χ^2/NDF : 3723.3/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.882+/-0.187 χ^2/NDF :1862.1/12
 Out: -9.876+/-0.180 χ^2/NDF :1802.3/14
 All: -8.912+/-0.130 χ^2/NDF : 3723.3/27

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.725 ± 0.308 $\chi^2/\text{NDF}: 136.8/16$

Left Out: 3.078 ± 0.128 $\chi^2/\text{NDF}: 601.3/14$

Right Out: 3.885 ± 0.316 $\chi^2/\text{NDF}: 134.4/18$

Left In: 2.676 ± 0.129 $\chi^2/\text{NDF}: 539.5/12$

Left: 2.877 ± 0.091 $\chi^2/\text{NDF}: 1145.6/27$

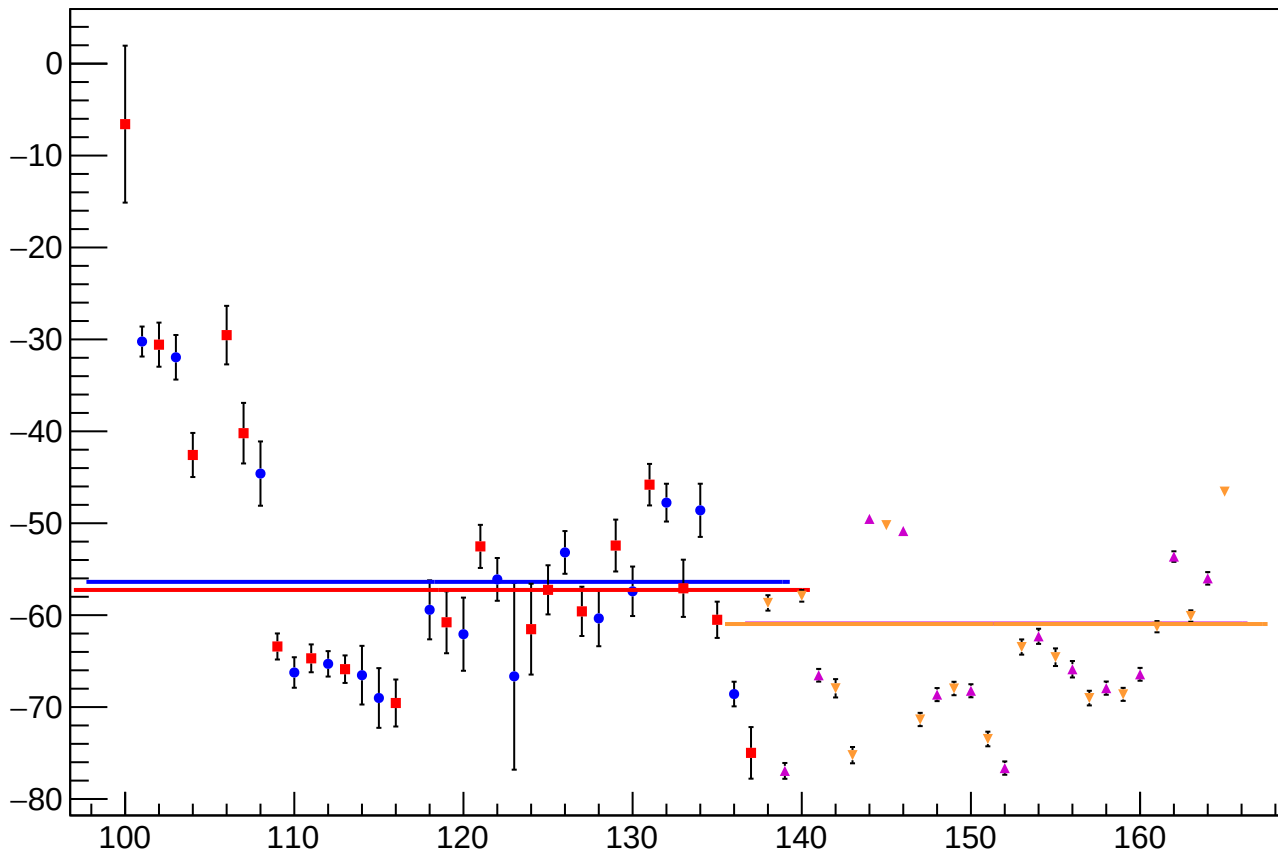
Right: 3.803 ± 0.221 $\chi^2/\text{NDF}: 271.3/35$

In: 2.831 ± 0.119 $\chi^2/\text{NDF}: 686.1/29$

Out: 3.192 ± 0.119 $\chi^2/\text{NDF}: 741.2/33$

All: 3.011 ± 0.084 $\chi^2/\text{NDF}: 1431.9/63$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.379 ± 0.542 $\chi^2/\text{NDF}: 587.4/16$

Left Out: -60.965 ± 0.179 $\chi^2/\text{NDF}: 2401.3/14$

Right Out: -57.258 ± 0.536 $\chi^2/\text{NDF}: 476.1/18$

Left In: -60.908 ± 0.183 $\chi^2/\text{NDF}: 2509.1/12$

Left: -60.937 ± 0.128 $\chi^2/\text{NDF}: 4910.5/27$

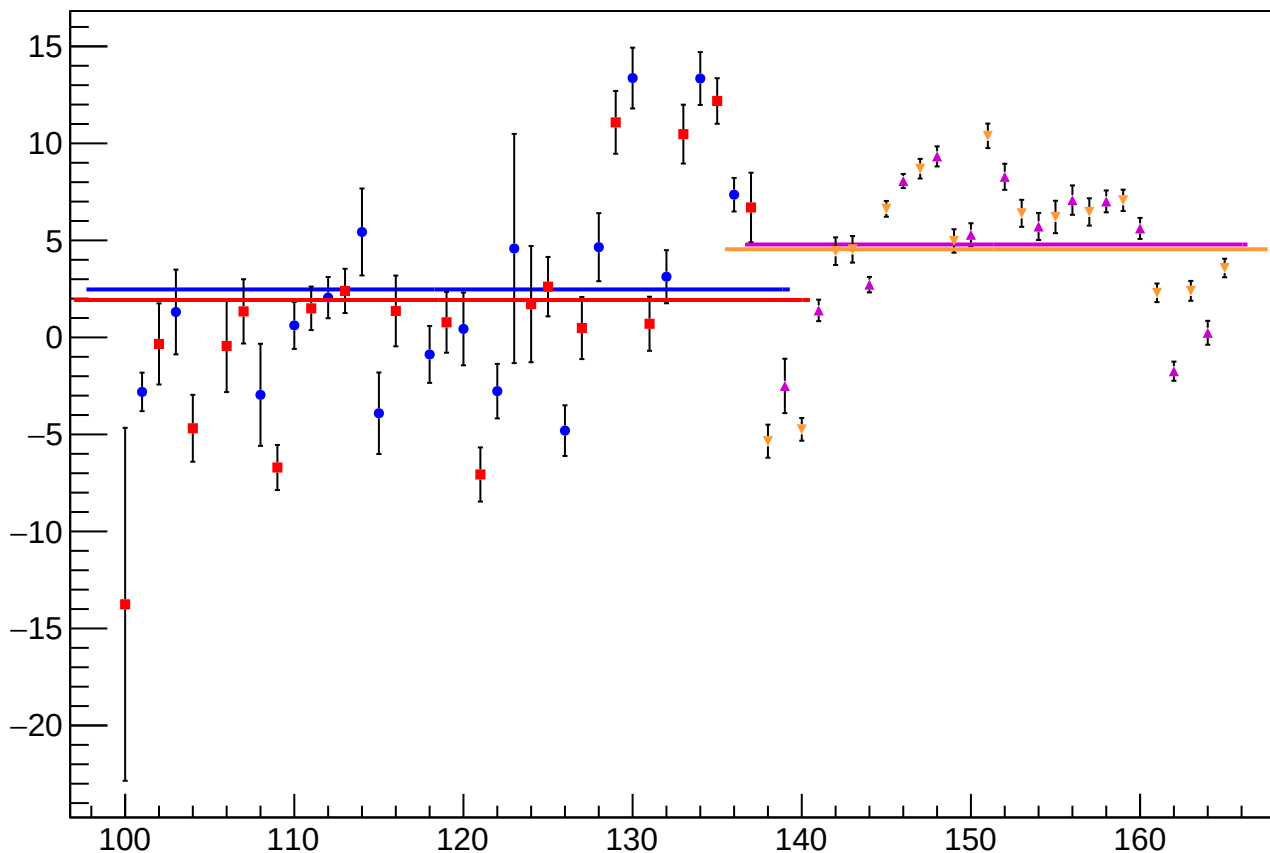
Right: -56.823 ± 0.381 $\chi^2/\text{NDF}: 1064.8/35$

In: -60.446 ± 0.173 $\chi^2/\text{NDF}: 3159.2/29$

Out: -60.591 ± 0.170 $\chi^2/\text{NDF}: 2920.4/33$

All: -60.520 ± 0.121 $\chi^2/\text{NDF}: 6080.0/63$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.473 ± 0.345 χ^2/NDF : 243.6/16

Left Out: 4.544 ± 0.149 χ^2/NDF : 650.3/14

Right Out: 1.928 ± 0.355 χ^2/NDF : 266.6/18

Left In: 4.789 ± 0.152 χ^2/NDF : 534.5/12

Left: 4.665 ± 0.106 χ^2/NDF : 1186.1/27

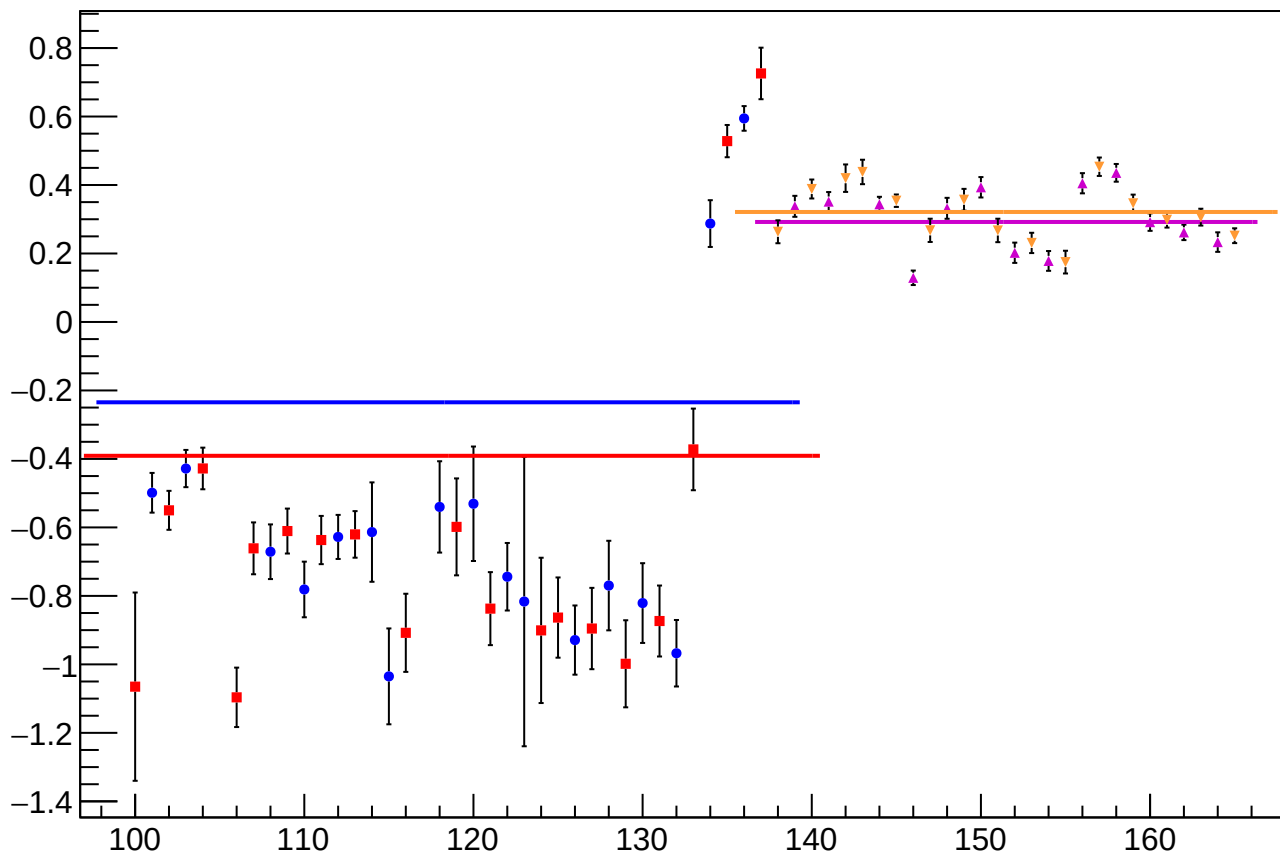
Right: 2.208 ± 0.248 χ^2/NDF : 511.4/35

In: 4.415 ± 0.139 χ^2/NDF : 815.7/29

Out: 4.152 ± 0.137 χ^2/NDF : 963.2/33

All: 4.282 ± 0.098 χ^2/NDF : 1780.7/63

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: 0.321 ± 0.007 χ^2/NDF : 100.6/14

Right Out: -0.391 ± 0.019 χ^2/NDF : 853.3/18

Left In: 0.292 ± 0.007 χ^2/NDF : 161.2/12

Left: 0.307 ± 0.005 χ^2/NDF : 270.1/27

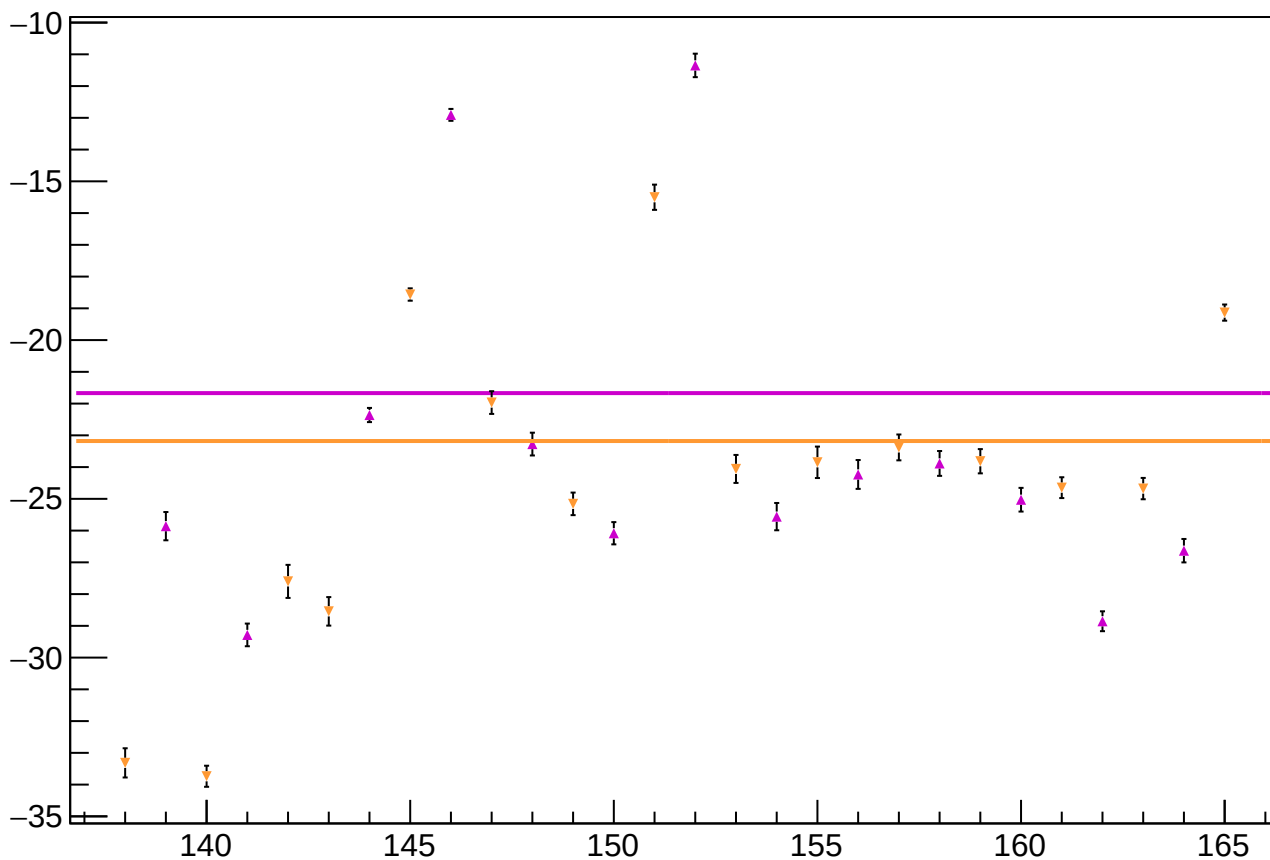
Right: -0.312 ± 0.013 χ^2/NDF : 1845.8/35

In: 0.223 ± 0.007 χ^2/NDF : 1796.3/29

Out: 0.234 ± 0.007 χ^2/NDF : 2192.7/33

All: 0.229 ± 0.005 χ^2/NDF : 3990.4/63

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



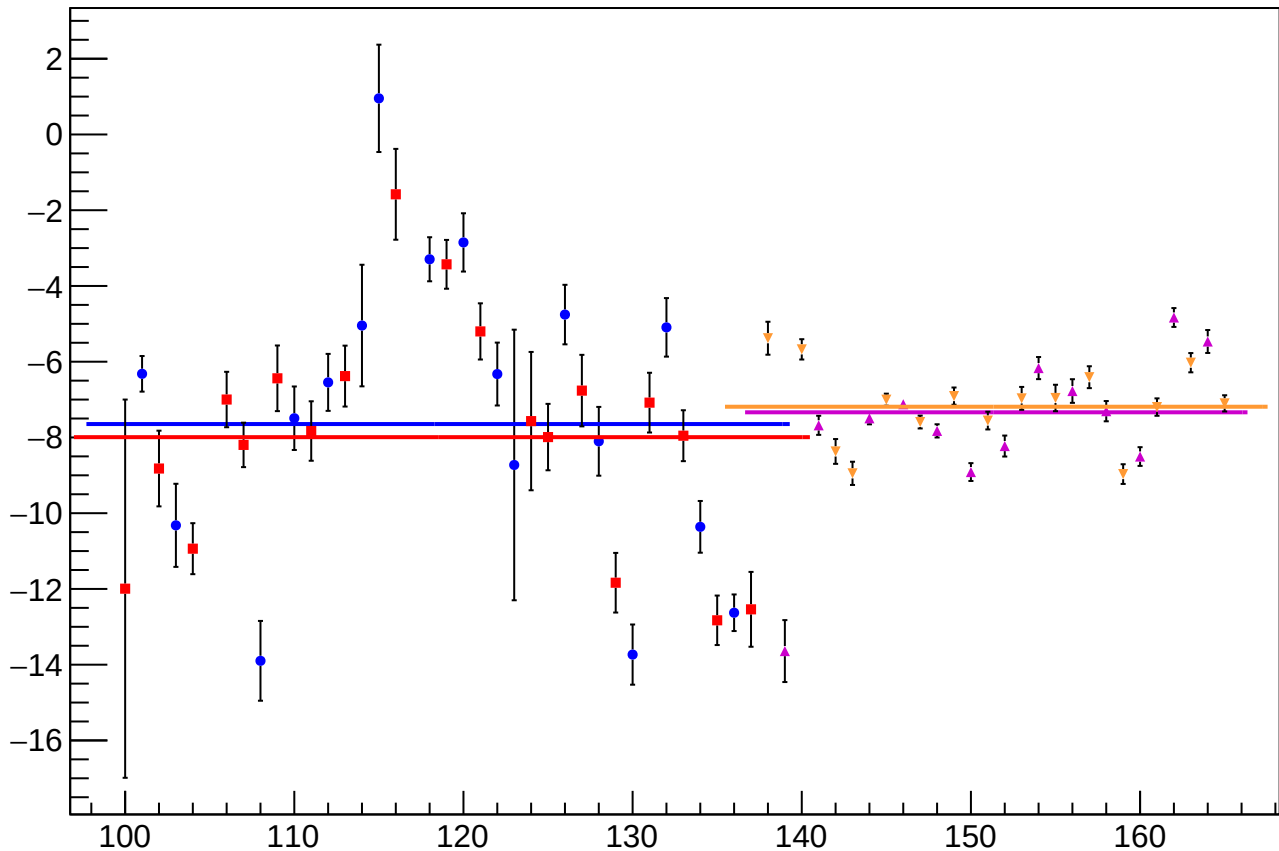
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -23.179 ± 0.089 $\chi^2/\text{NDF}: 2989.0/14$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -21.670 ± 0.089 $\chi^2/\text{NDF}: 4631.3/12$

Left: -22.426 ± 0.063 $\chi^2/\text{NDF}: 7764.2/27$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -21.670 ± 0.089 $\chi^2/\text{NDF}: 4631.3/12$
 Out: -23.179 ± 0.089 $\chi^2/\text{NDF}: 2989.0/14$

All: -22.426 ± 0.063 $\chi^2/\text{NDF}: 7764.2/27$

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.646 ± 0.186 χ^2/NDF : 393.6/16

Left Out: -7.189 ± 0.063 χ^2/NDF : 182.2/14

Right Out: -7.992 ± 0.186 χ^2/NDF : 225.5/18

Left In: -7.336 ± 0.061 χ^2/NDF : 309.8/12

Left: -7.265 ± 0.044 χ^2/NDF : 494.8/27

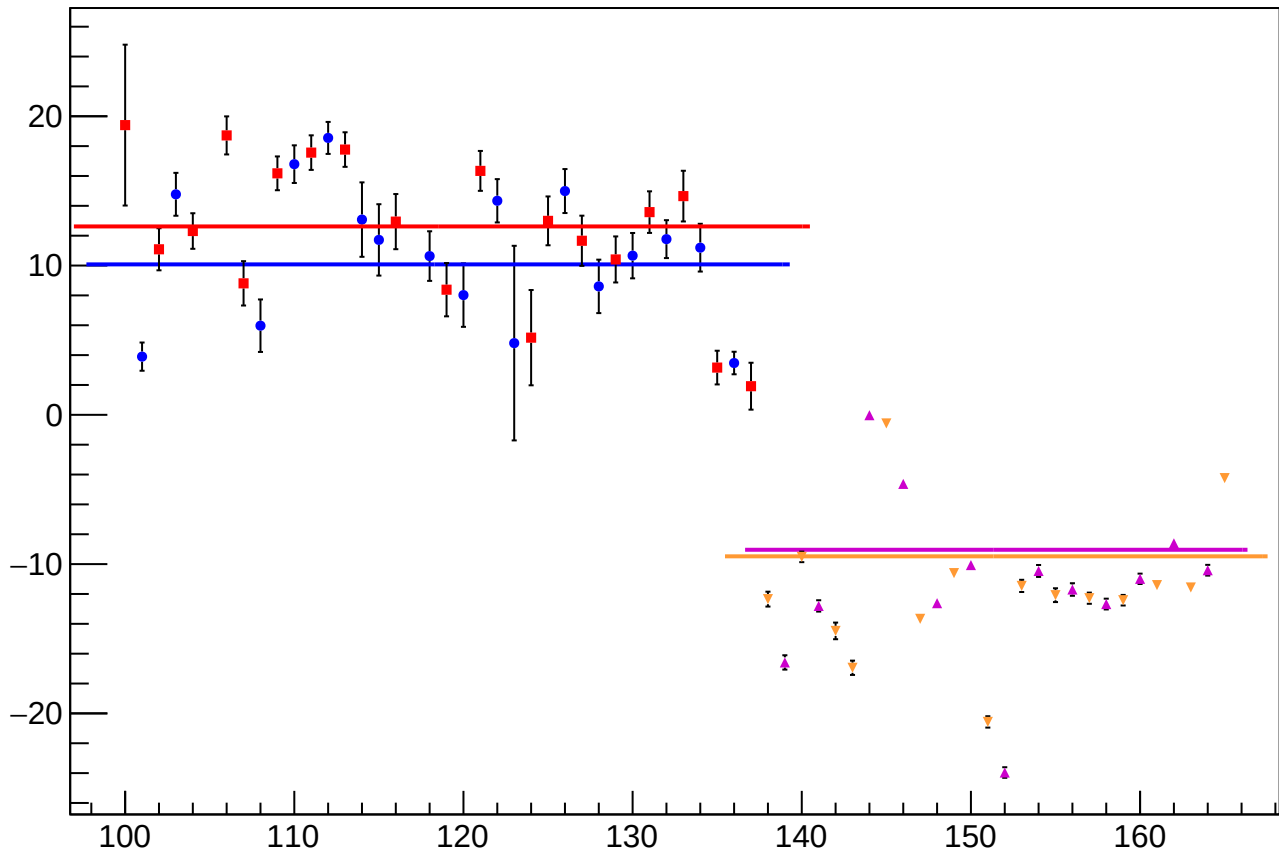
Right: -7.819 ± 0.131 χ^2/NDF : 620.8/35

In: -7.366 ± 0.058 χ^2/NDF : 705.9/29

Out: -7.271 ± 0.060 χ^2/NDF : 424.4/33

All: -7.320 ± 0.041 χ^2/NDF : 1131.7/63

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.077 ± 0.337 χ^2/NDF : 252.8/16

Left Out: -9.479 ± 0.088 χ^2/NDF : 3929.2/14

Right Out: 12.620 ± 0.332 χ^2/NDF : 220.0/18

Left In: -9.039 ± 0.087 χ^2/NDF : 4463.0/12

Left: -9.256 ± 0.062 χ^2/NDF : 8404.8/27

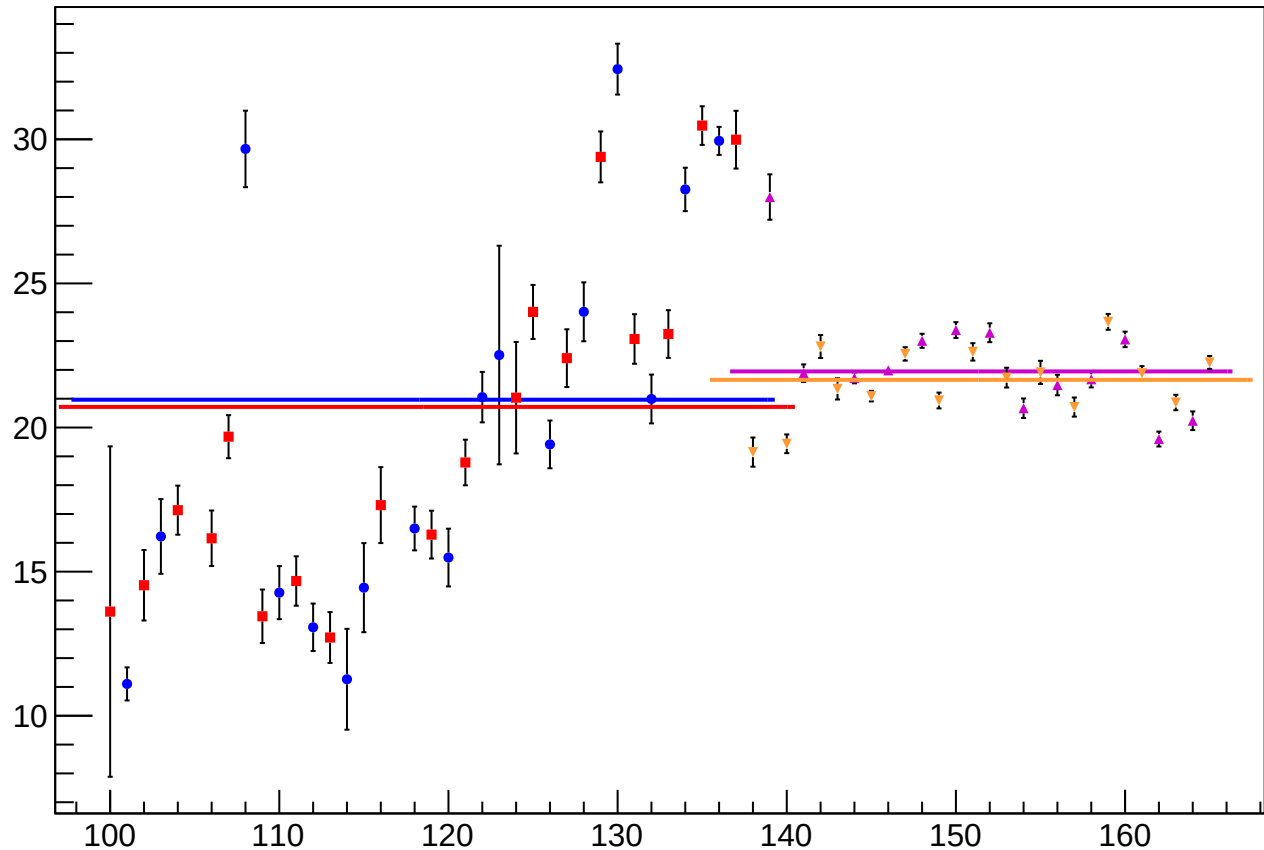
Right: 11.365 ± 0.237 χ^2/NDF : 501.6/35

In: -7.844 ± 0.084 χ^2/NDF : 7736.4/29

Out: -8.032 ± 0.085 χ^2/NDF : 8278.9/33

All: -7.937 ± 0.060 χ^2/NDF : 16017.7/63

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.965 $\pm$ 0.209 χ^2 /NDF: 1225.5/16

Left Out: 21.654 $\pm$ 0.073 χ^2 /NDF:200.7/14

Right Out: 20.716 $\pm$ 0.213 χ^2 /NDF: 729.9/18

Left In: 21.947 $\pm$ 0.072 χ^2 /NDF:267.4/12

Left: 21.803 $\pm$ 0.051 χ^2 /NDF: 476.2/27

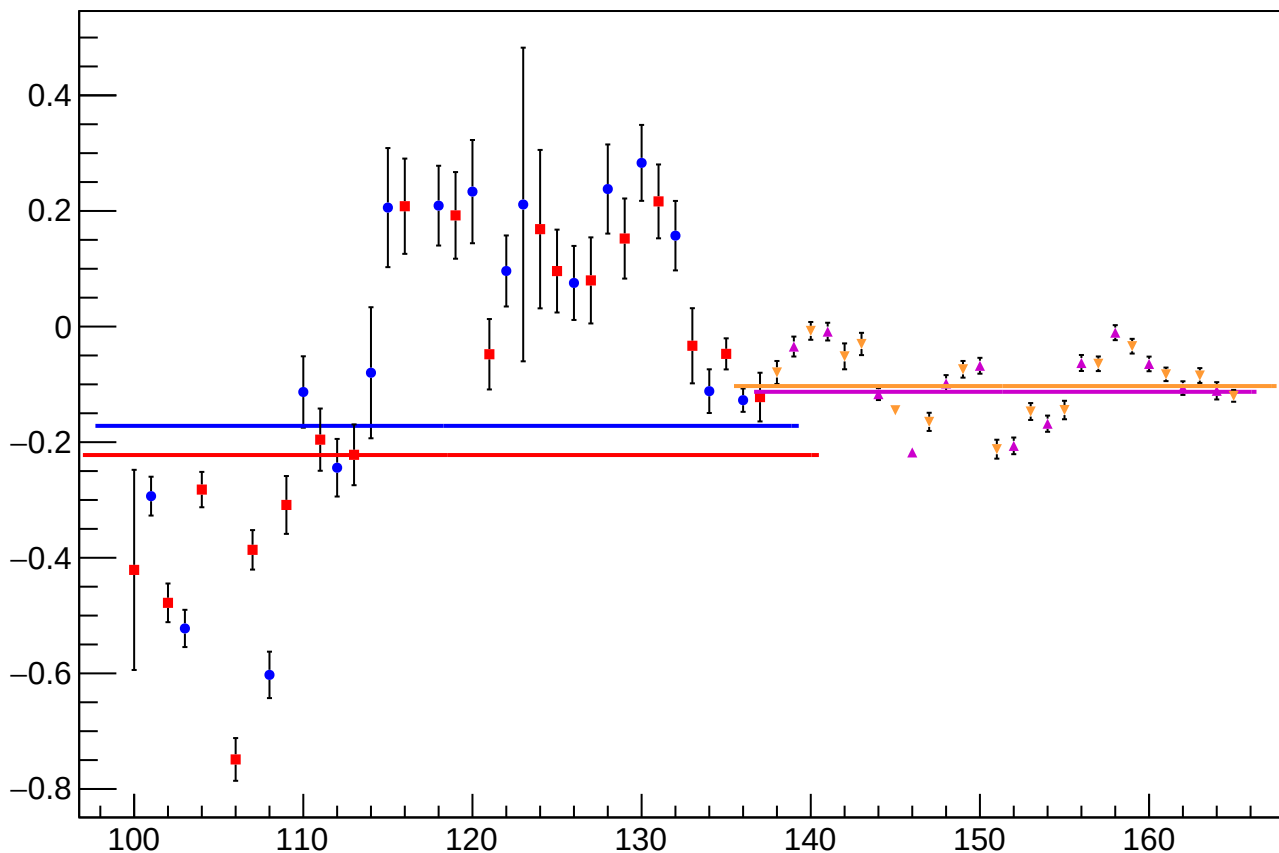
Right: 20.842 $\pm$ 0.149 χ^2 /NDF: 1956.1/35

In: 21.843 $\pm$ 0.068 χ^2 /NDF:1512.5/29

Out: 21.554 $\pm$ 0.069 χ^2 /NDF:948.0/33

All: 21.702 $\pm$ 0.049 χ^2 /NDF: 2469.4/63

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: -0.103±/0.003 χ^2/NDF : 212.4/14

Right Out: -0.222±/0.011 χ^2/NDF : 536.1/18

Left In: -0.113±/0.004 χ^2/NDF : 380.3/12

Left: -0.108±/0.002 χ^2/NDF : 596.8/27

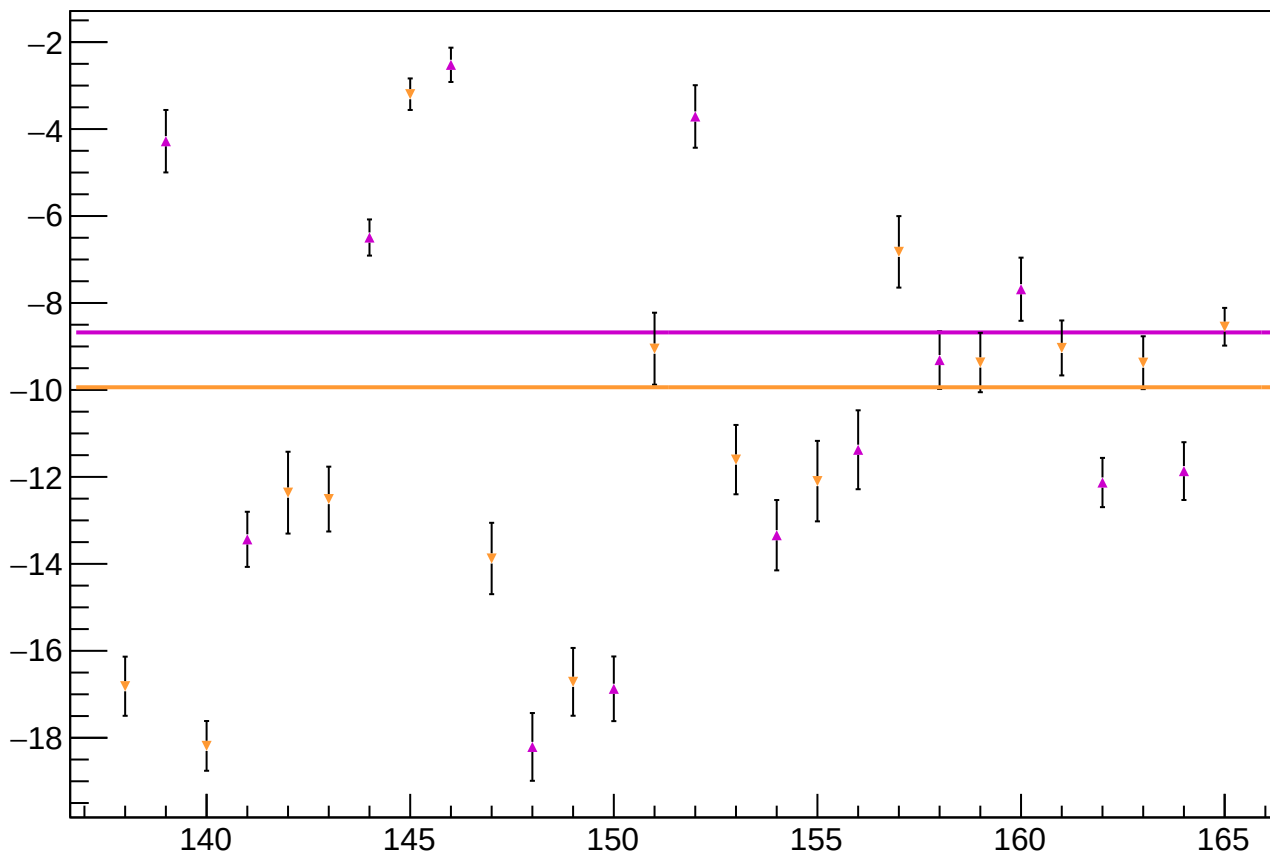
Right: -0.198±/0.008 χ^2/NDF : 1010.7/35

In: -0.118±/0.003 χ^2/NDF : 869.7/29

Out: -0.114±/0.003 χ^2/NDF : 856.6/33

All: -0.116±/0.002 χ^2/NDF : 1727.2/63

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -9.938 ± 0.164 $\chi^2/\text{NDF}: 811.7/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -8.677 ± 0.171 $\chi^2/\text{NDF}: 788.6/12$

Left: -9.333 ± 0.118 $\chi^2/\text{NDF}: 1628.7/27$

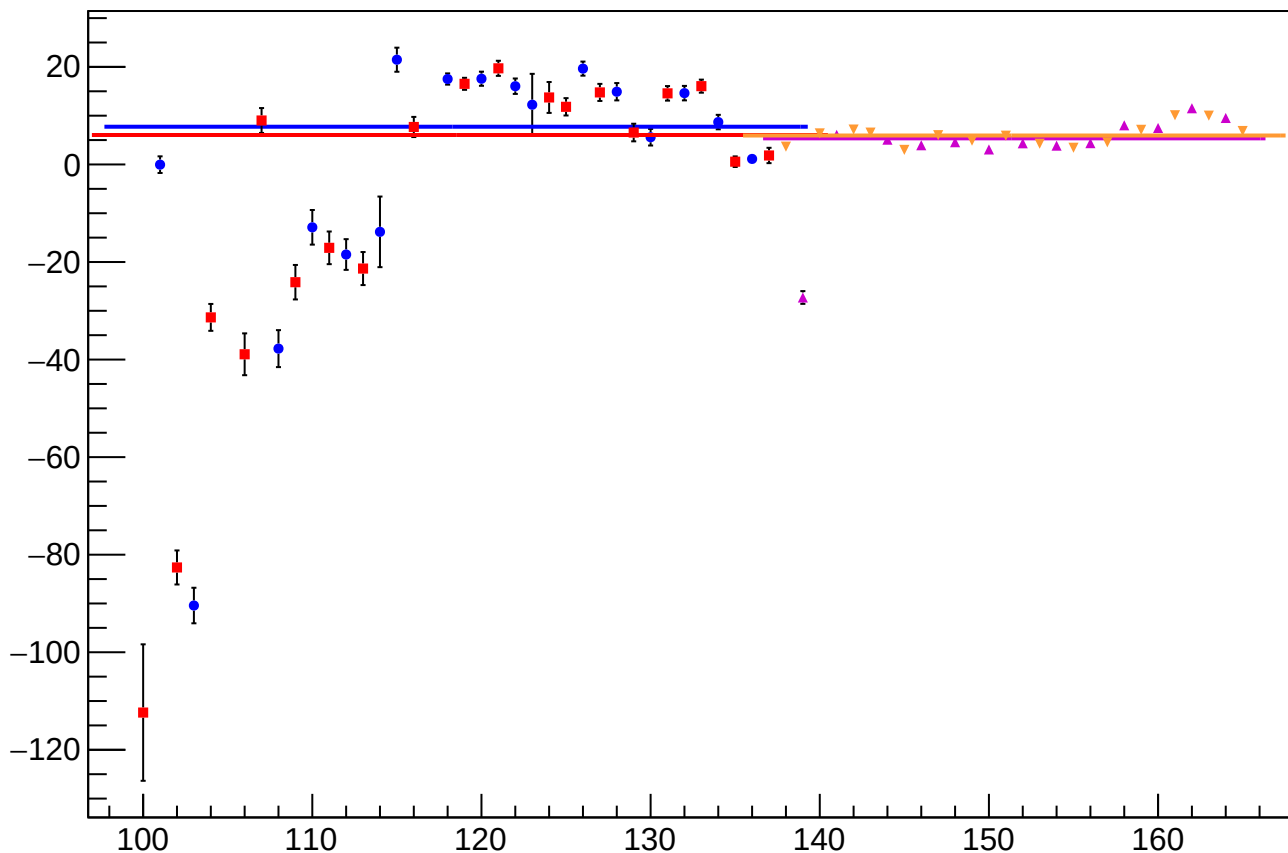
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -8.677 ± 0.171 $\chi^2/\text{NDF}: 788.6/12$

Out: -9.938 ± 0.164 $\chi^2/\text{NDF}: 811.7/14$

All: -9.333 ± 0.118 $\chi^2/\text{NDF}: 1628.7/27$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 ± 0.403 $\chi^2/\text{NDF}: 1358.4/16$

Left Out: 5.936 ± 0.118 $\chi^2/\text{NDF}: 337.1/14$

Right Out: 6.040 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 5.351 ± 0.119 $\chi^2/\text{NDF}: 995.8/12$

Left: 5.645 ± 0.084 $\chi^2/\text{NDF}: 1345.0/27$

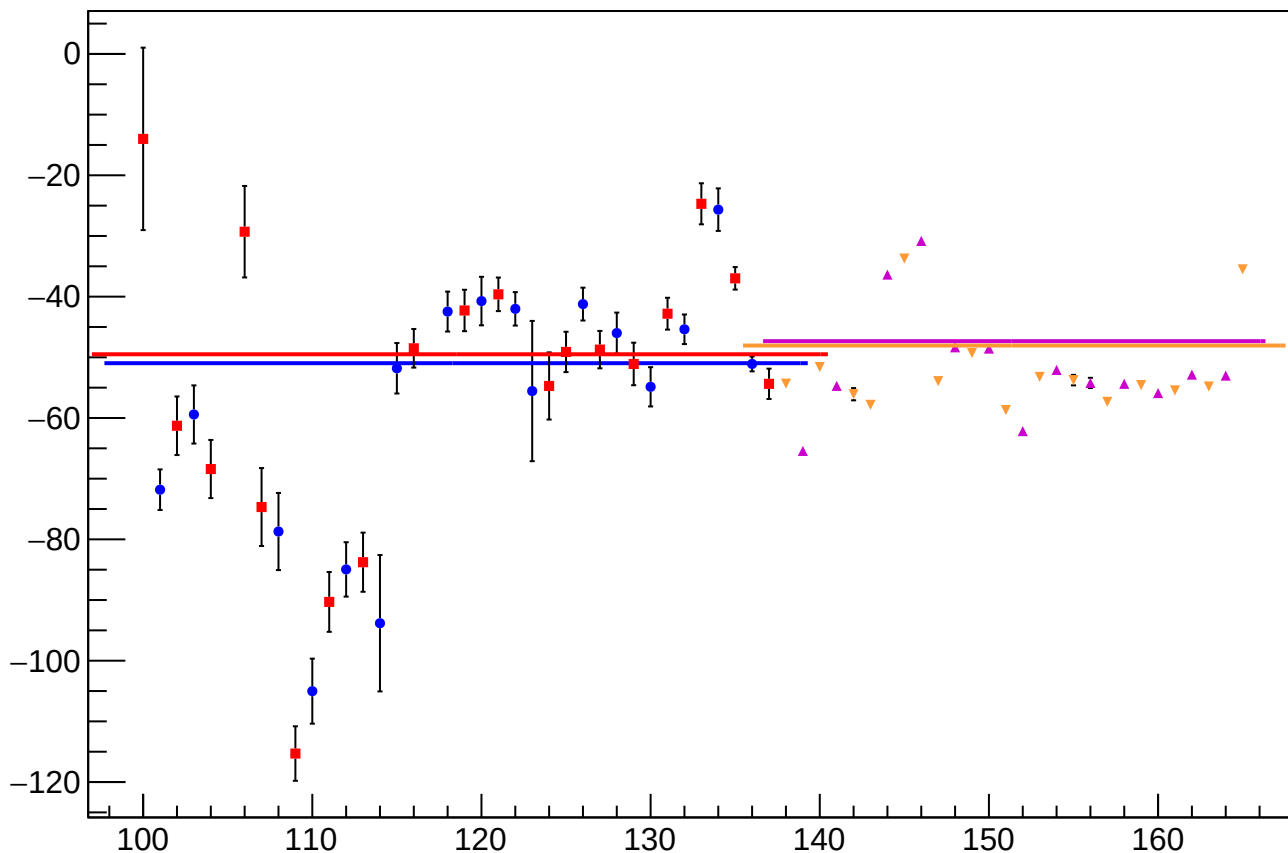
Right: 6.952 ± 0.295 $\chi^2/\text{NDF}: 2878.8/35$

In: 5.543 ± 0.114 $\chi^2/\text{NDF}: 2386.5/29$

Out: 5.943 ± 0.114 $\chi^2/\text{NDF}: 1849.3/33$

All: 5.743 ± 0.081 $\chi^2/\text{NDF}: 4241.9/63$

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: -48.057 ± 0.164 χ^2/NDF : 3411.5/14

Right Out: -49.497 ± 0.797 χ^2/NDF : 510.4/18

Left In: -47.336 ± 0.167 χ^2/NDF : 4205.5/12

Left: -47.705 ± 0.117 χ^2/NDF : 7626.6/27

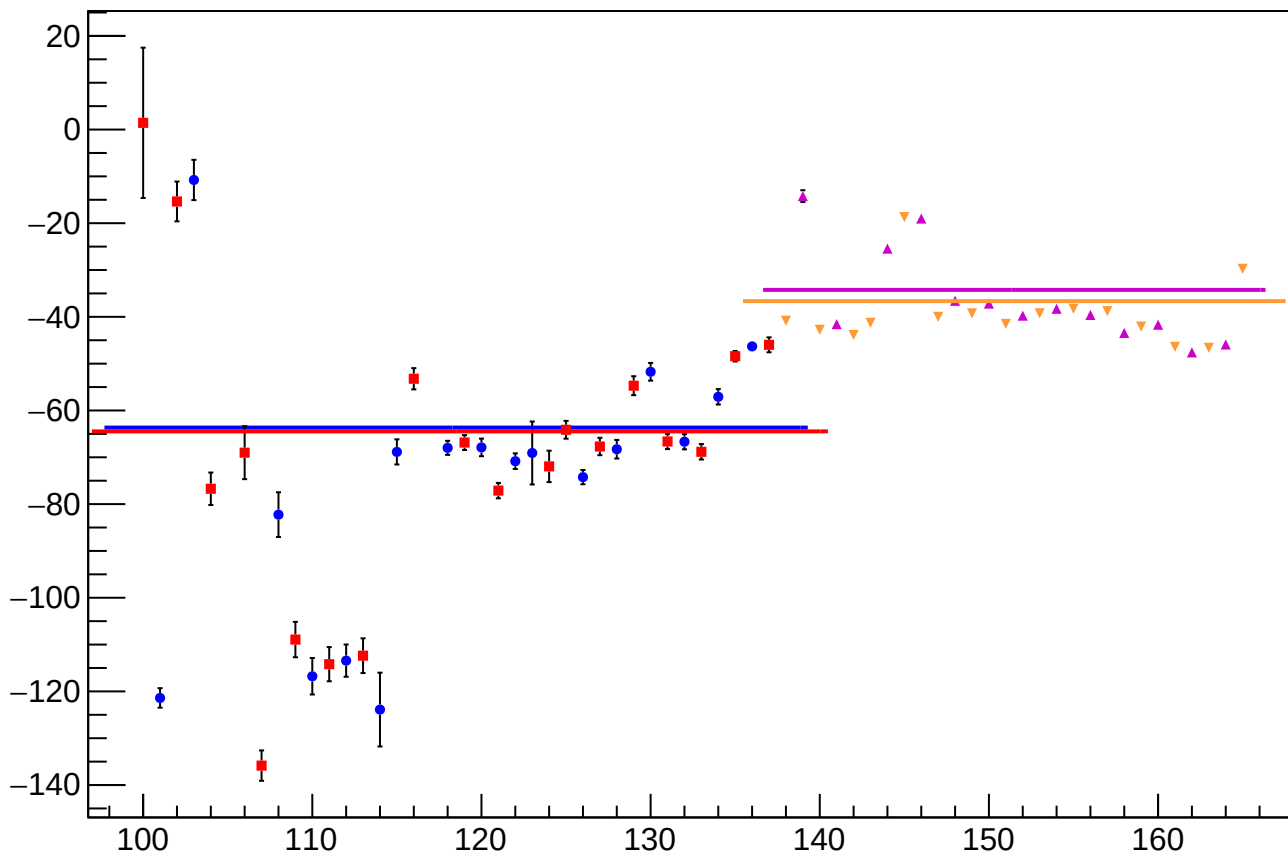
Right: -50.288 ± 0.541 χ^2/NDF : 844.9/35

In: -47.514 ± 0.163 χ^2/NDF : 4561.2/29

Out: -48.115 ± 0.160 χ^2/NDF : 3925.0/33

All: -47.820 ± 0.114 χ^2/NDF : 8493.2/63

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.656 $\pm$ 0.445 χ^2 /NDF: 2014.7/16

Left Out: -36.647 $\pm$ 0.137 χ^2 /NDF:4636.8/14

Right Out: -64.470 $\pm$ 0.483 χ^2 /NDF: 1606.8/18

Left In: -34.245 $\pm$ 0.140 χ^2 /NDF:5396.6/12

Left: -35.473 $\pm$ 0.098 χ^2 /NDF: 10184.1/27

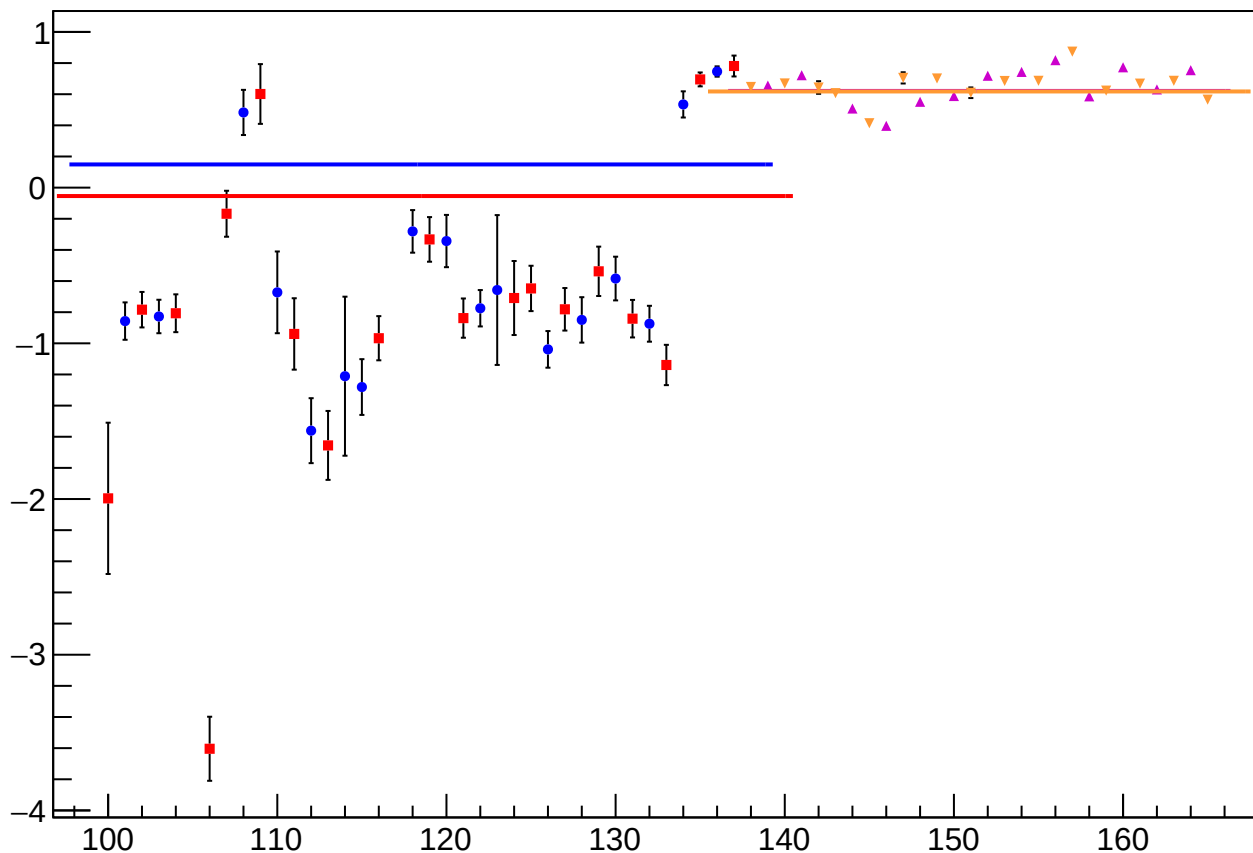
Right: -64.030 $\pm$ 0.327 χ^2 /NDF: 3623.1/35

In: -36.886 $\pm$ 0.133 χ^2 /NDF:11380.7/29

Out: -38.717 $\pm$ 0.132 χ^2 /NDF:9321.3/33

All: -37.815 $\pm$ 0.094 χ^2 /NDF: 20797.4/63

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: 0.618 $\pm$ 0.006 χ^2 /NDF:333.3/14

Right Out: -0.054 $\pm$ 0.026 χ^2 /NDF: 1167.9/18

Left In: 0.621 $\pm$ 0.007 χ^2 /NDF:362.8/12

Left: 0.619 $\pm$ 0.005 χ^2 /NDF: 696.3/27

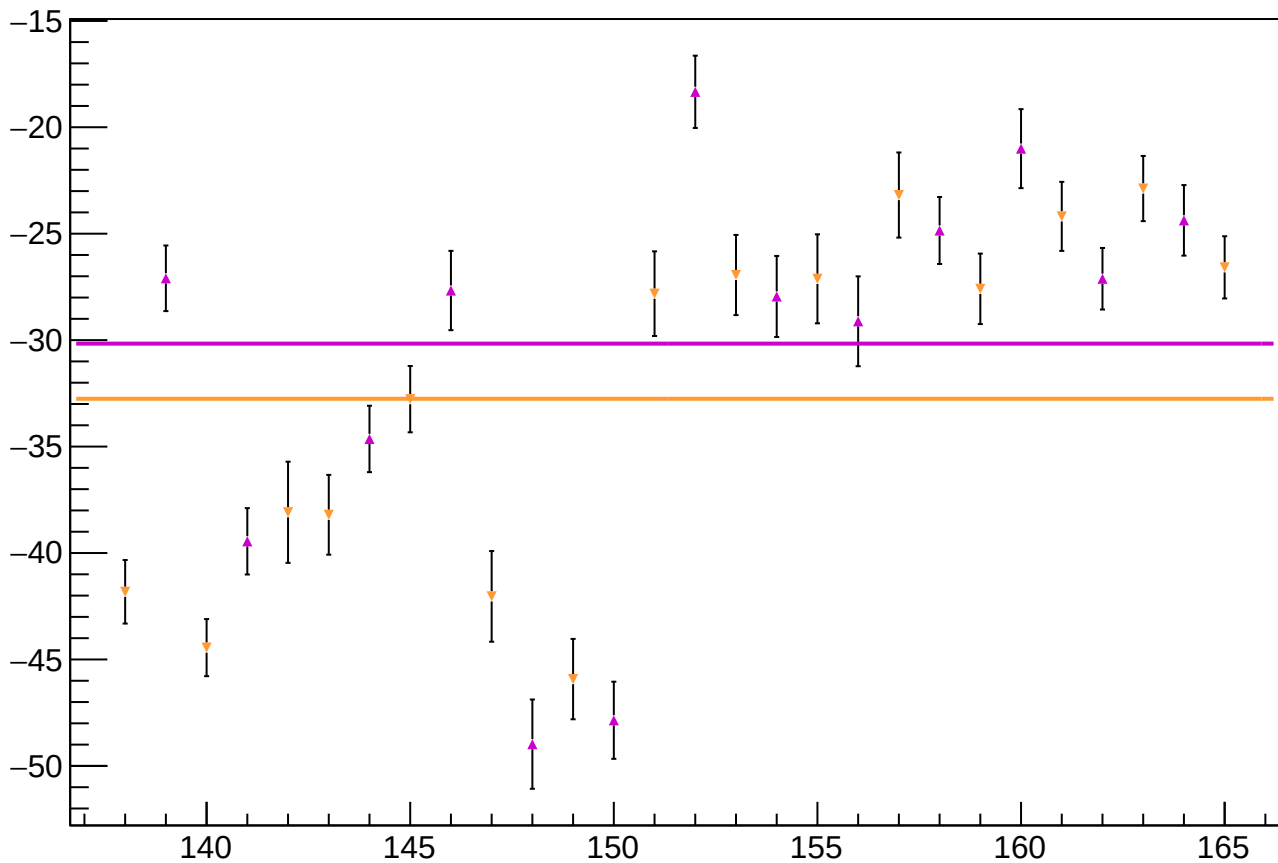
Right: 0.056 $\pm$ 0.018 χ^2 /NDF: 2190.5/35

In: 0.586 $\pm$ 0.006 χ^2 /NDF:1712.0/29

Out: 0.580 $\pm$ 0.006 χ^2 /NDF:2121.3/33

All: 0.583 $\pm$ 0.005 χ^2 /NDF: 3833.8/63

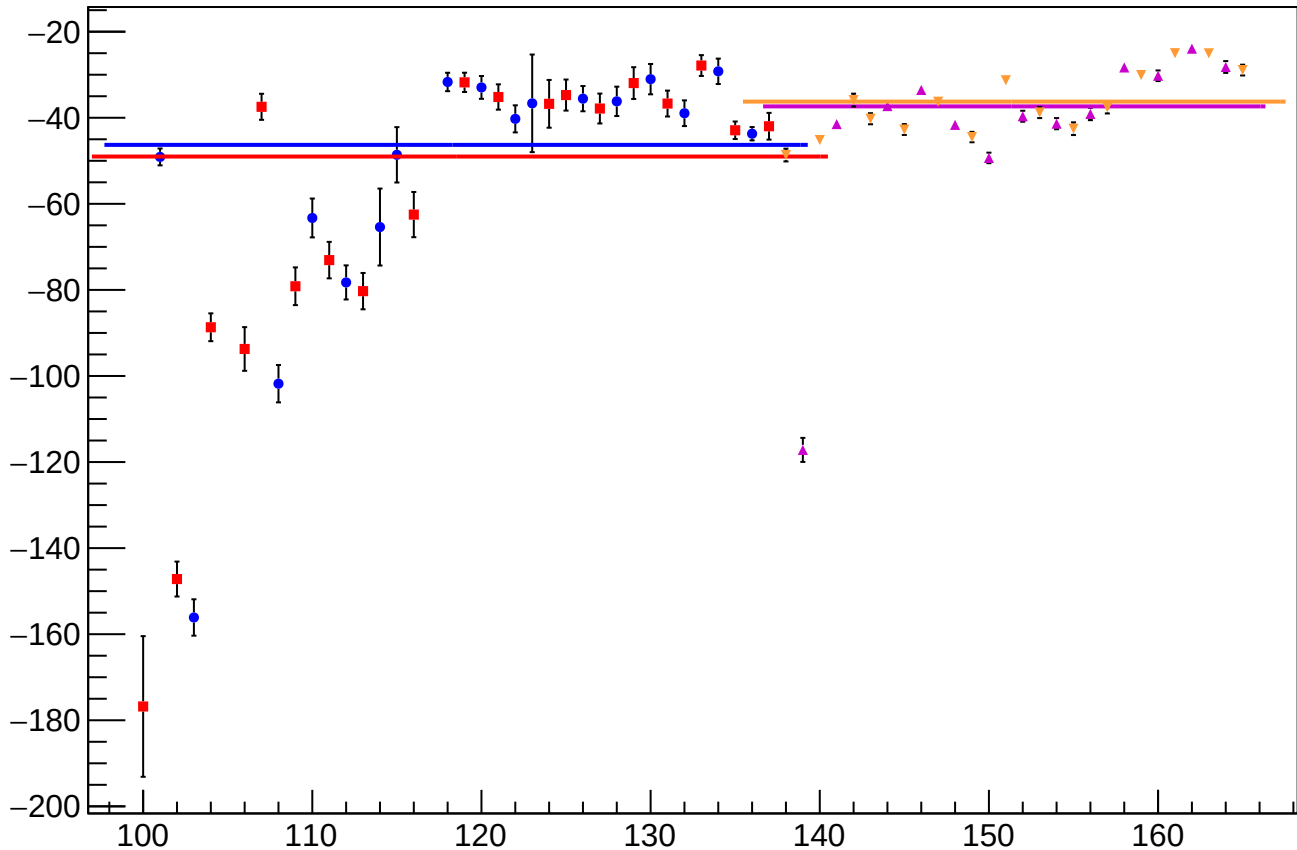
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -32.754 ± 0.446 $\chi^2/\text{NDF}: 336.9/14$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -30.164 ± 0.474 $\chi^2/\text{NDF}: 327.8/12$

Left: -31.539 ± 0.325 $\chi^2/\text{NDF}: 680.6/27$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -30.164 ± 0.474 $\chi^2/\text{NDF}: 327.8/12$
 Out: -32.754 ± 0.446 $\chi^2/\text{NDF}: 336.9/14$
 All: -31.539 ± 0.325 $\chi^2/\text{NDF}: 680.6/27$

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.300 ± 0.723 χ^2/NDF : 1084.0/16

Left Out: -36.246 ± 0.319 χ^2/NDF : 513.5/14

Right Out: -49.008 ± 0.764 χ^2/NDF : 1271.7/18

Left In: -37.357 ± 0.341 χ^2/NDF : 1251.8/12

Left: -36.765 ± 0.233 χ^2/NDF : 1771.0/27

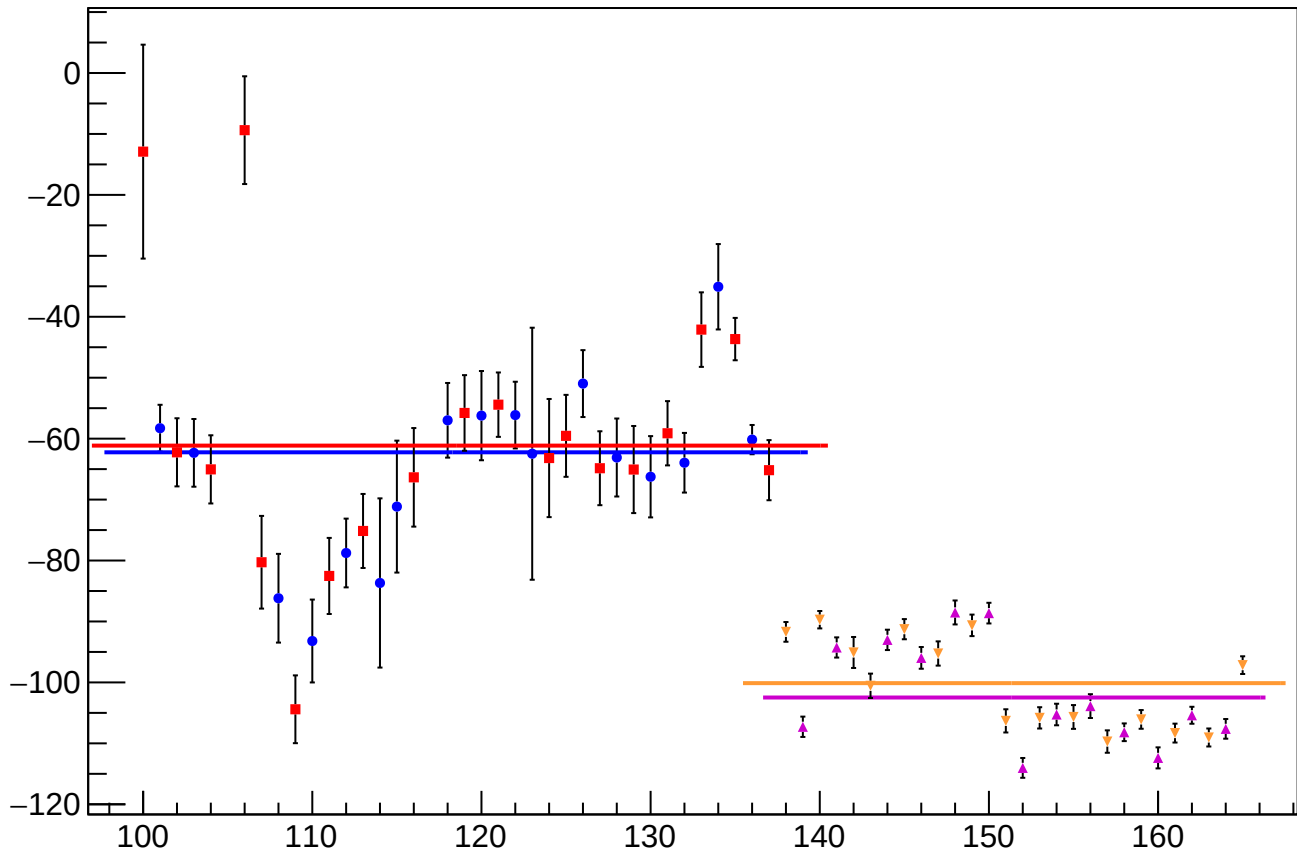
Right: -47.580 ± 0.525 χ^2/NDF : 2362.3/35

In: -38.984 ± 0.308 χ^2/NDF : 2461.1/29

Out: -38.143 ± 0.294 χ^2/NDF : 2022.9/33

All: -38.544 ± 0.213 χ^2/NDF : 4487.9/63

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.242 ± 1.310 $\chi^2/\text{NDF}: 67.4/16$

Left Out: -100.119 ± 0.441 $\chi^2/\text{NDF}: 287.6/14$

Right Out: -61.142 ± 1.379 $\chi^2/\text{NDF}: 165.6/18$

Left In: -102.478 ± 0.463 $\chi^2/\text{NDF}: 311.7/12$

Left: -101.241 ± 0.319 $\chi^2/\text{NDF}: 613.0/27$

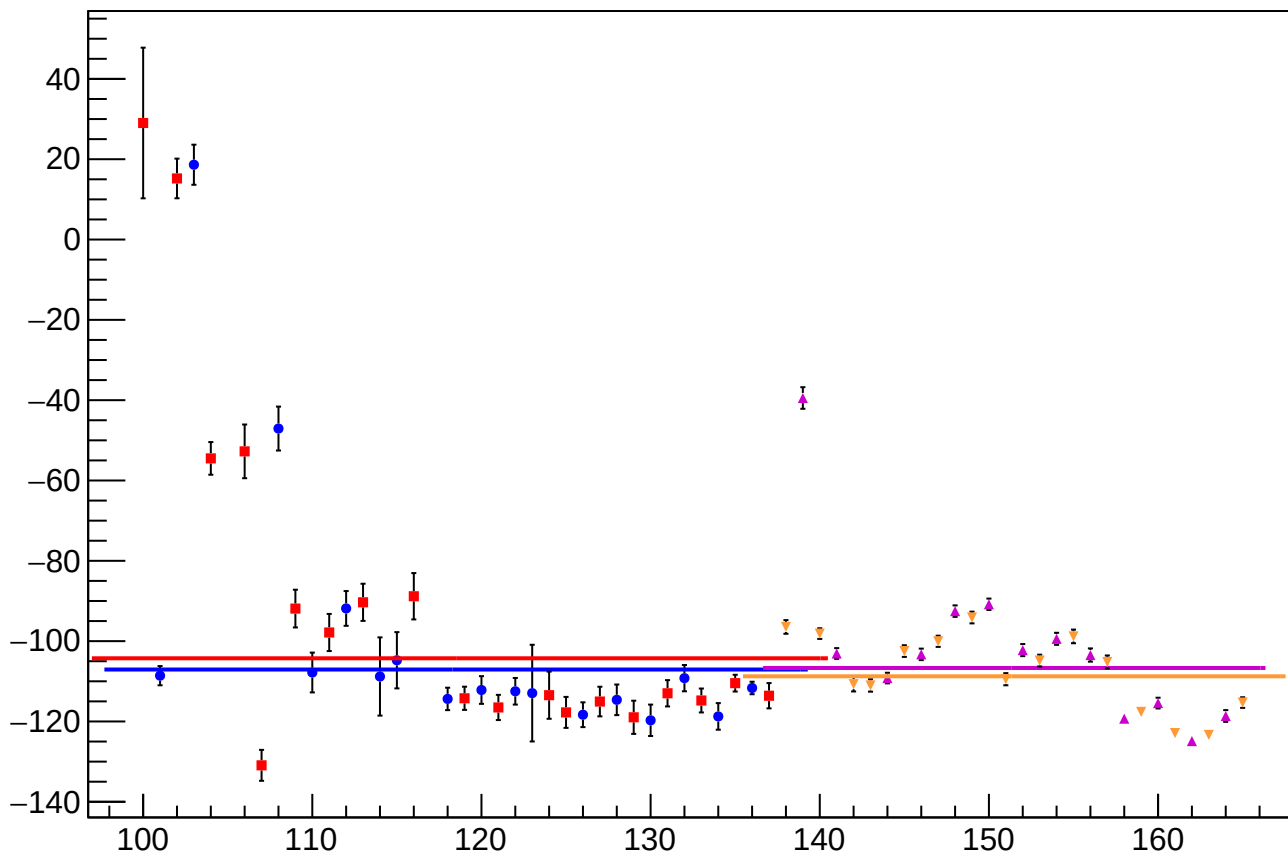
Right: -61.720 ± 0.950 $\chi^2/\text{NDF}: 233.3/35$

In: -98.018 ± 0.436 $\chi^2/\text{NDF}: 1217.8/29$

Out: -96.511 ± 0.420 $\chi^2/\text{NDF}: 1177.7/33$

All: -97.236 ± 0.302 $\chi^2/\text{NDF}: 2401.7/63$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -107.066 ± 0.811 $\chi^2/\text{NDF}: 828.4/16$

Left Out: -108.753 ± 0.369 $\chi^2/\text{NDF}: 681.3/14$

Right Out: -104.269 ± 0.861 $\chi^2/\text{NDF}: 1018.6/18$

Left In: -106.682 ± 0.393 $\chi^2/\text{NDF}: 1360.7/12$

Left: -107.782 ± 0.269 $\chi^2/\text{NDF}: 2056.7/27$

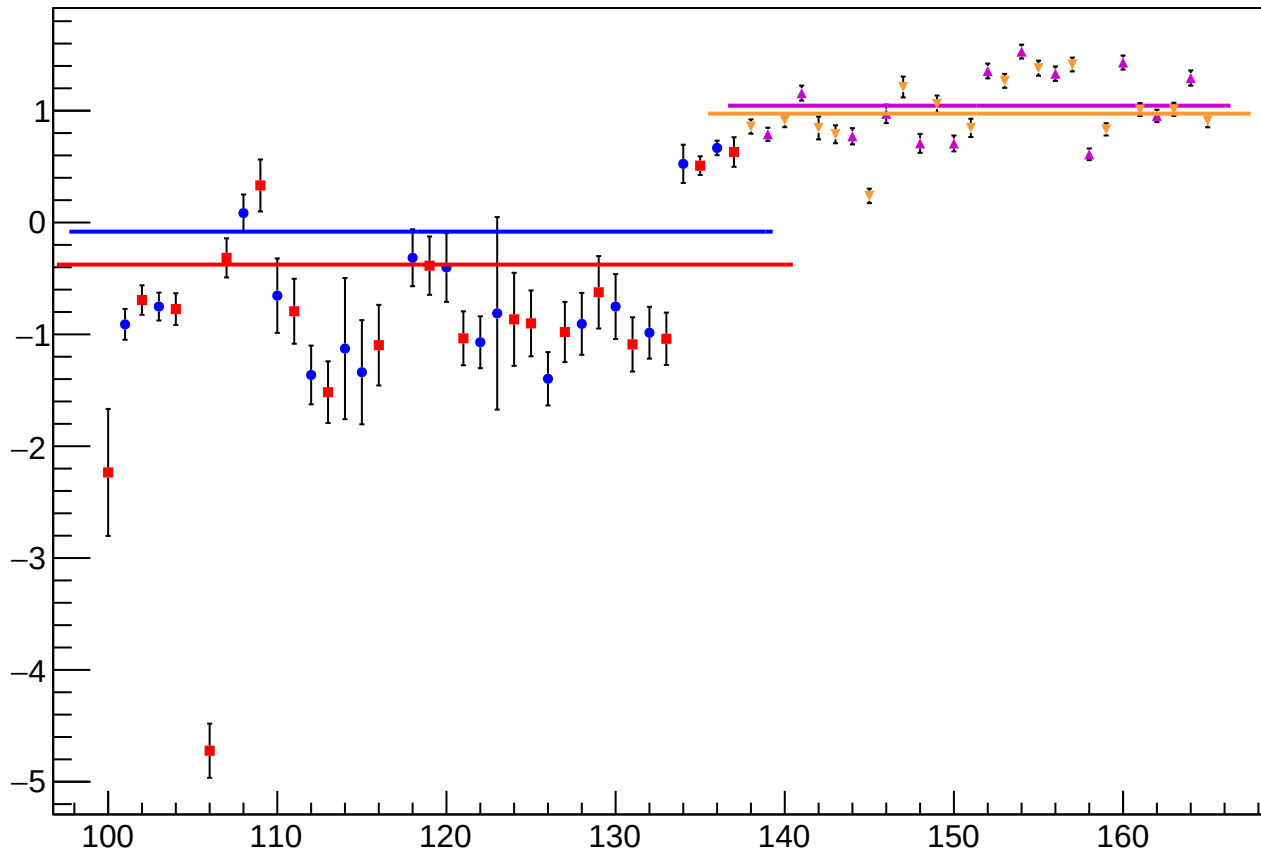
Right: -105.751 ± 0.590 $\chi^2/\text{NDF}: 1852.6/35$

In: -106.755 ± 0.354 $\chi^2/\text{NDF}: 2189.2/29$

Out: -108.056 ± 0.339 $\chi^2/\text{NDF}: 1722.9/33$

All: -107.432 ± 0.245 $\chi^2/\text{NDF}: 3919.1/63$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081 ± 0.042 χ^2/NDF : 329.0/16

Left Out: 0.974 ± 0.017 χ^2/NDF : 266.6/14

Right Out: -0.376 ± 0.044 χ^2/NDF : 583.0/18

Left In: 1.045 ± 0.018 χ^2/NDF : 300.5/12

Left: 1.008 ± 0.012 χ^2/NDF : 575.3/27

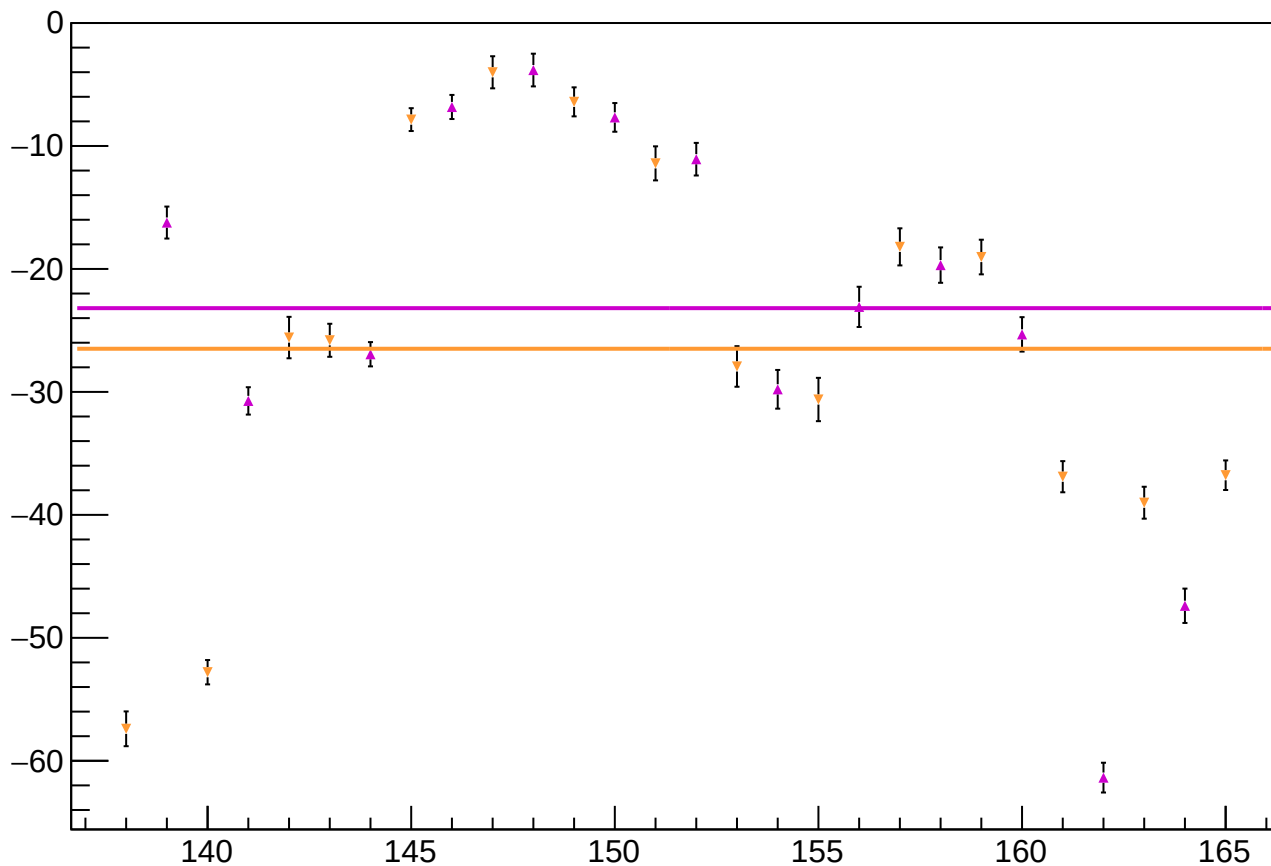
Right: -0.223 ± 0.030 χ^2/NDF : 935.4/35

In: 0.871 ± 0.017 χ^2/NDF : 1232.9/29

Out: 0.793 ± 0.016 χ^2/NDF : 1668.4/33

All: 0.831 ± 0.012 χ^2/NDF : 2912.8/63

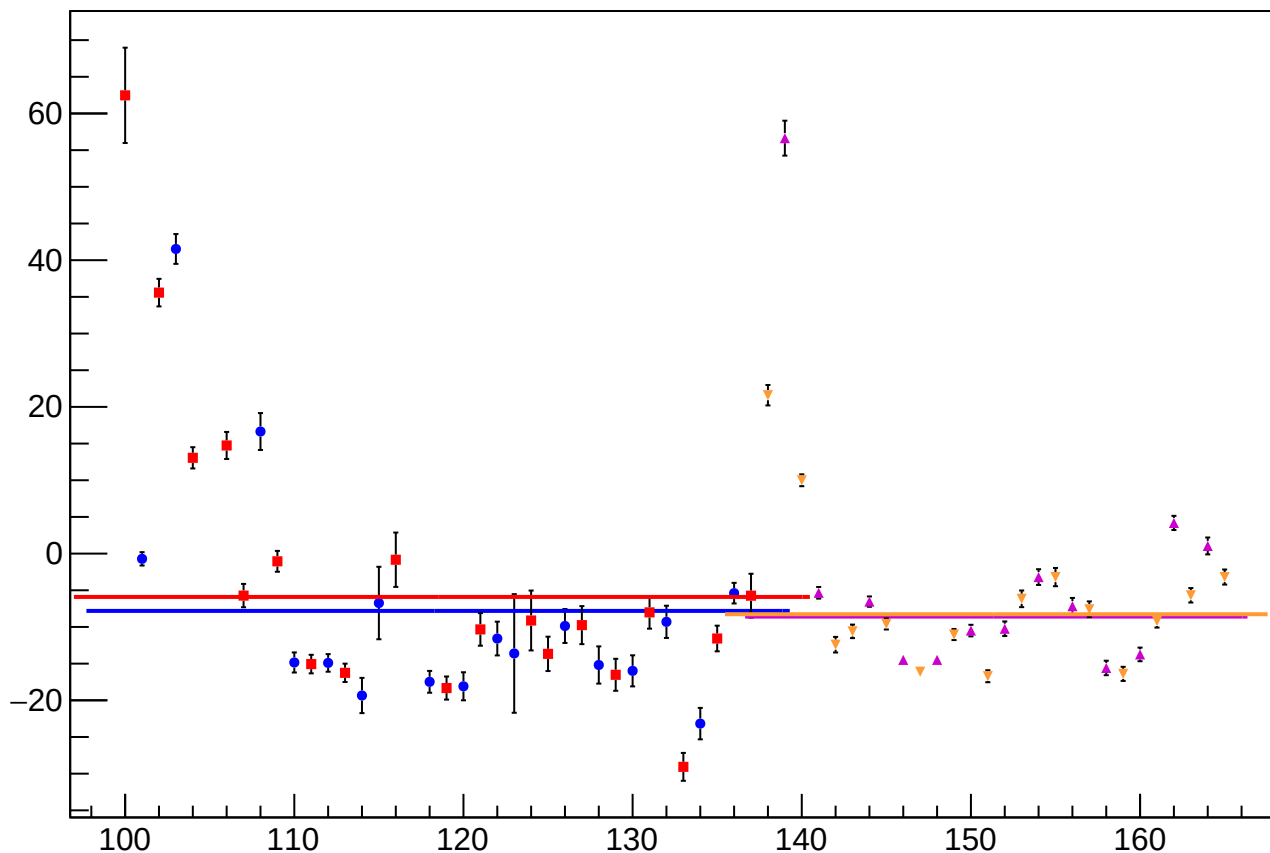
reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -26.490+/-0.334 χ^2/NDF :2588.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -23.189+/-0.347 χ^2/NDF :2160.2/12

Left: -24.902+/-0.241 χ^2/NDF : 4795.7/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -23.189+/-0.347 χ^2/NDF :2160.2/12
 Out: -26.490+/-0.334 χ^2/NDF :2588.6/14
 All: -24.902+/-0.241 χ^2/NDF : 4795.7/27

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.812 ± 0.427 $\chi^2/\text{NDF}: 982.8/16$

Left Out: -8.266 ± 0.234 $\chi^2/\text{NDF}: 1396.4/14$

Right Out: -5.908 ± 0.429 $\chi^2/\text{NDF}: 1293.1/18$

Left In: -8.585 ± 0.242 $\chi^2/\text{NDF}: 1311.1/12$

Left: -8.420 ± 0.168 $\chi^2/\text{NDF}: 2708.4/27$

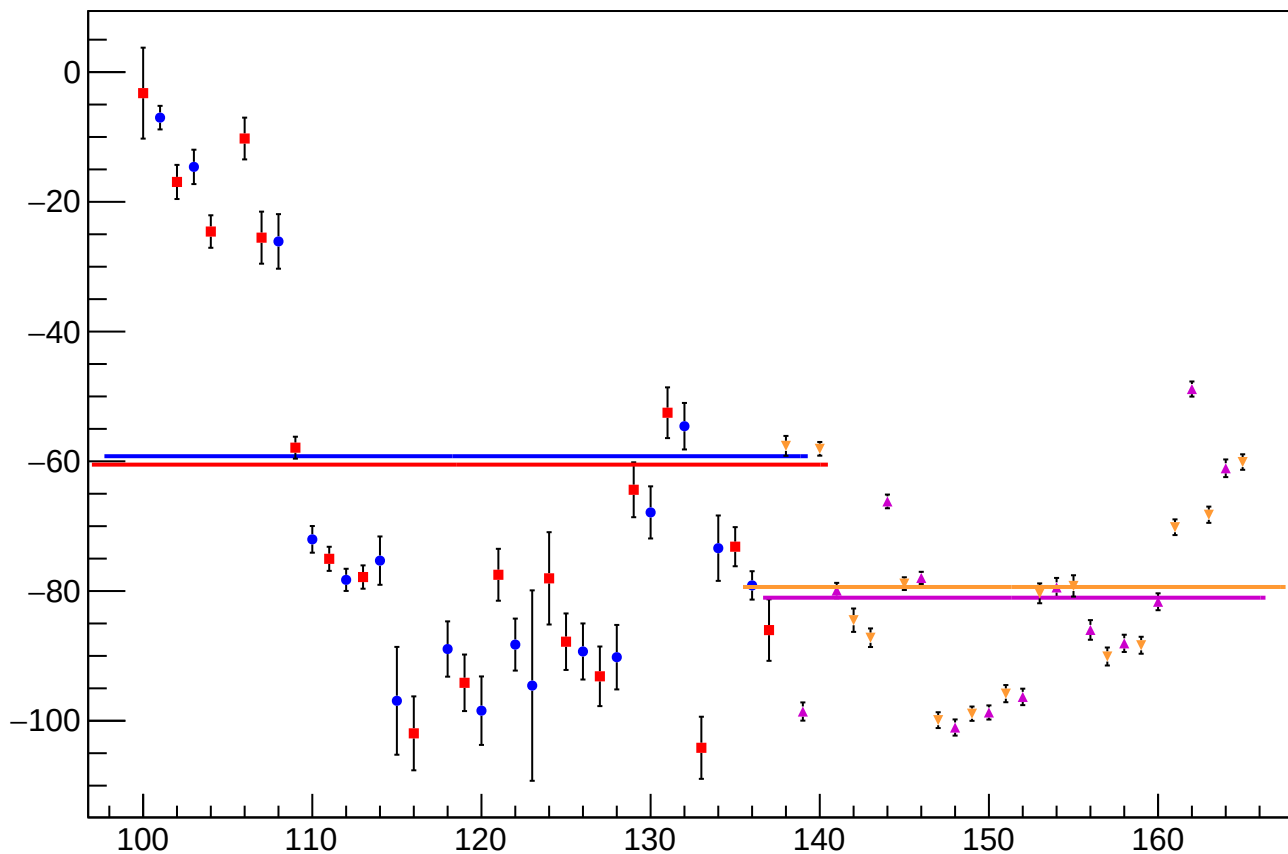
Right: -6.864 ± 0.303 $\chi^2/\text{NDF}: 2285.7/35$

In: -8.397 ± 0.211 $\chi^2/\text{NDF}: 2296.3/29$

Out: -7.725 ± 0.205 $\chi^2/\text{NDF}: 2712.8/33$

All: -8.053 ± 0.147 $\chi^2/\text{NDF}: 5014.3/63$

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: -79.374 ± 0.331 χ^2/NDF : 1902.7/14

Right Out: -60.513 ± 0.704 χ^2/NDF : 1383.9/18

Left In: -81.027 ± 0.339 χ^2/NDF : 2046.2/12

Left: -80.179 ± 0.237 χ^2/NDF : 3961.1/27

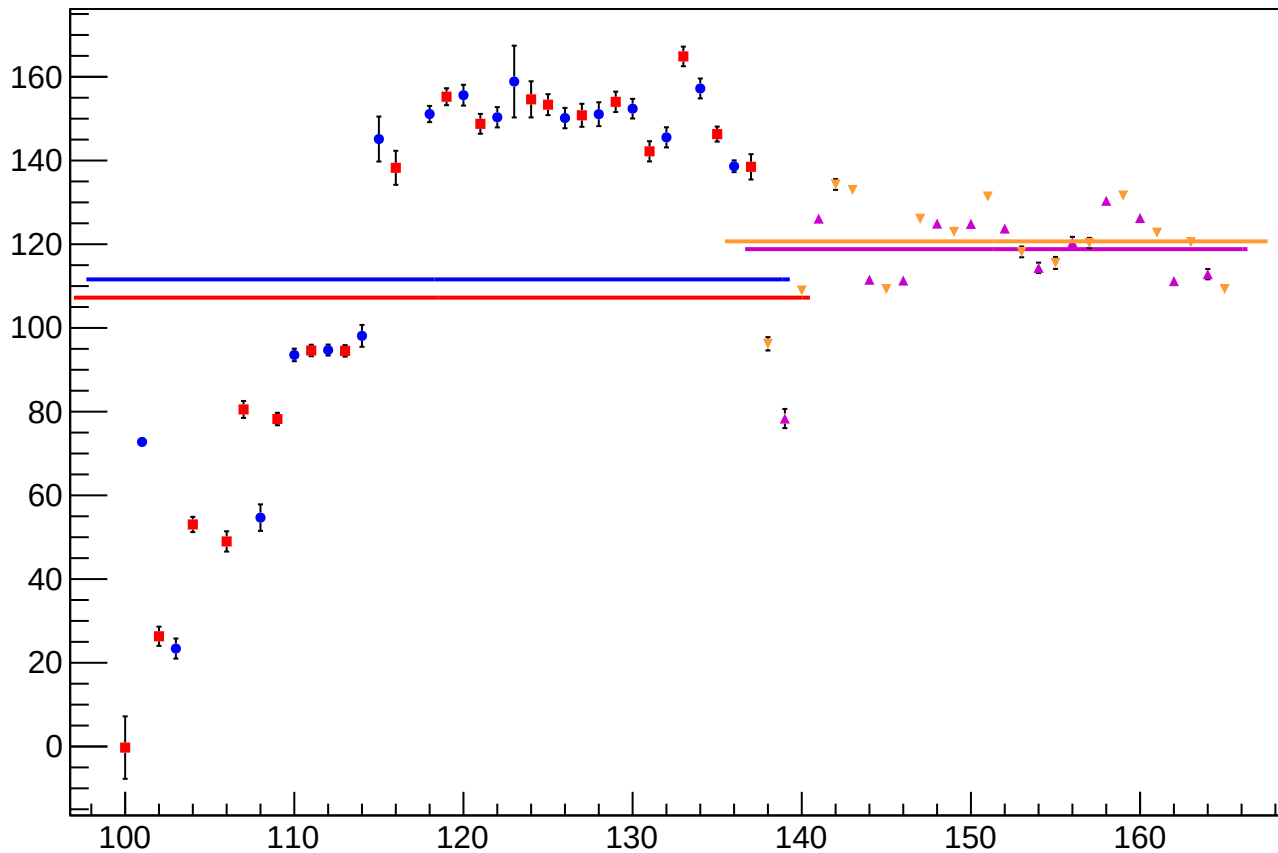
Right: -59.899 ± 0.511 χ^2/NDF : 3105.9/35

In: -77.268 ± 0.309 χ^2/NDF : 4478.5/29

Out: -75.965 ± 0.299 χ^2/NDF : 3874.4/33

All: -76.596 ± 0.215 χ^2/NDF : 8362.1/63

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.599 $\pm$ 0.487 χ^2 /NDF: 5959.5/16

Left Out: 120.685 $\pm$ 0.275 χ^2 /NDF:1179.1/14

Right Out: 107.238 $\pm$ 0.488 χ^2 /NDF: 7037.4/18

Left In: 118.824 $\pm$ 0.284 χ^2 /NDF:920.9/12

Left: 119.786 $\pm$ 0.198 χ^2 /NDF: 2122.1/27

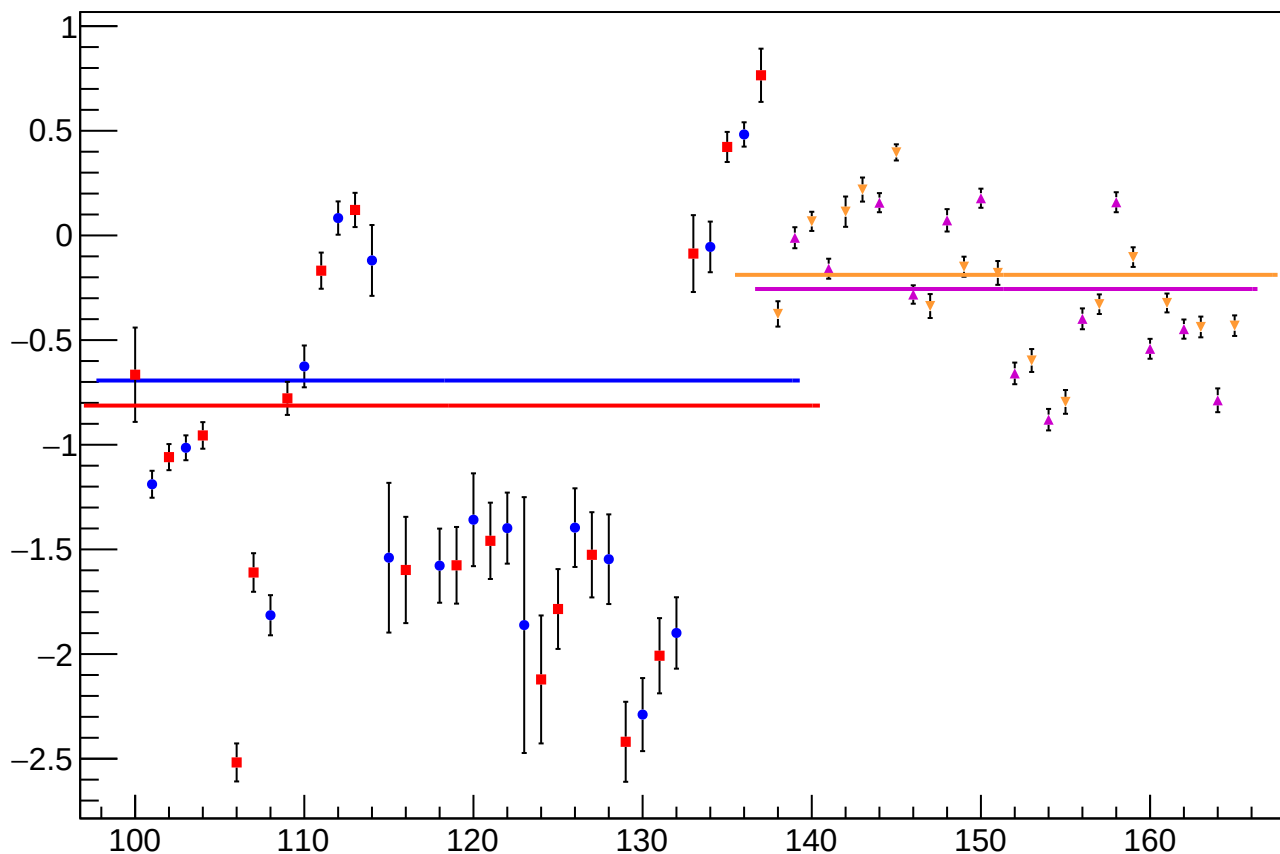
Right: 109.423 $\pm$ 0.344 χ^2 /NDF: 13037.0/35

In: 116.984 $\pm$ 0.246 χ^2 /NDF:7044.7/29

Out: 117.444 $\pm$ 0.239 χ^2 /NDF:8793.5/33

All: 117.220 $\pm$ 0.171 χ^2 /NDF: 15840.0/63

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: -0.188 ± 0.013 χ^2/NDF : 586.1/14

Right Out: -0.813 ± 0.024 χ^2/NDF : 1310.7/18

Left In: -0.256 ± 0.014 χ^2/NDF : 671.3/12

Left: -0.221 ± 0.009 χ^2/NDF : 1270.4/27

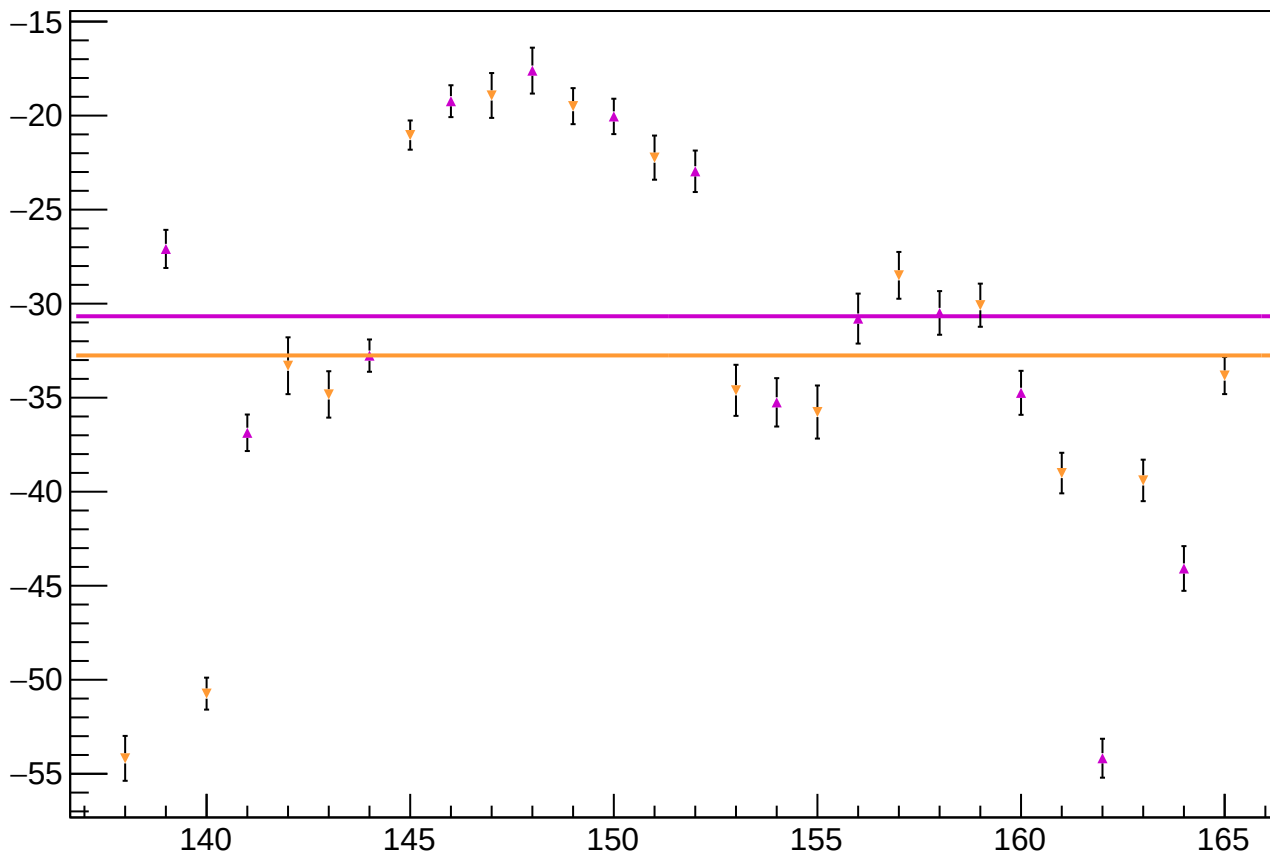
Right: -0.756 ± 0.018 χ^2/NDF : 2315.2/35

In: -0.350 ± 0.012 χ^2/NDF : 1890.2/29

Out: -0.329 ± 0.012 χ^2/NDF : 2407.5/33

All: -0.339 ± 0.008 χ^2/NDF : 4299.4/63

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.754+/-0.283 χ^2/NDF :1501.2/14

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

Left In: -30.670+/-0.292 χ^2/NDF :1200.4/12

Left: -31.748+/-0.203 χ^2/NDF : 2727.8/27

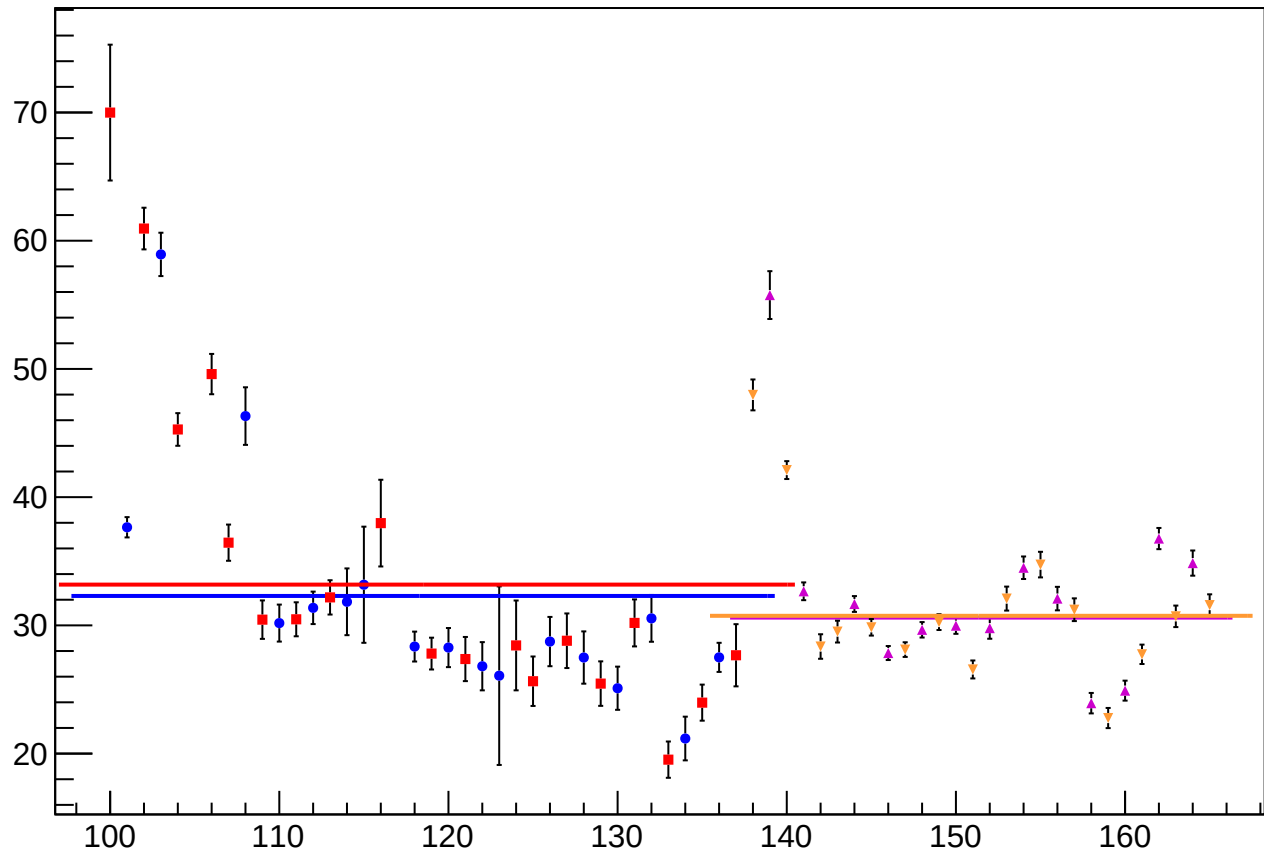
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.670+/-0.292 χ^2/NDF :1200.4/12

Out: -32.754+/-0.283 χ^2/NDF :1501.2/14

All: -31.748+/-0.203 χ^2/NDF : 2727.8/27

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: 30.746 ± 0.200 $\chi^2/\text{NDF}: 676.0/14$

Right Out: 33.180 ± 0.379 $\chi^2/\text{NDF}: 770.3/18$

Left In: 30.606 ± 0.207 $\chi^2/\text{NDF}: 443.7/12$

Left: 30.679 ± 0.144 $\chi^2/\text{NDF}: 1120.0/27$

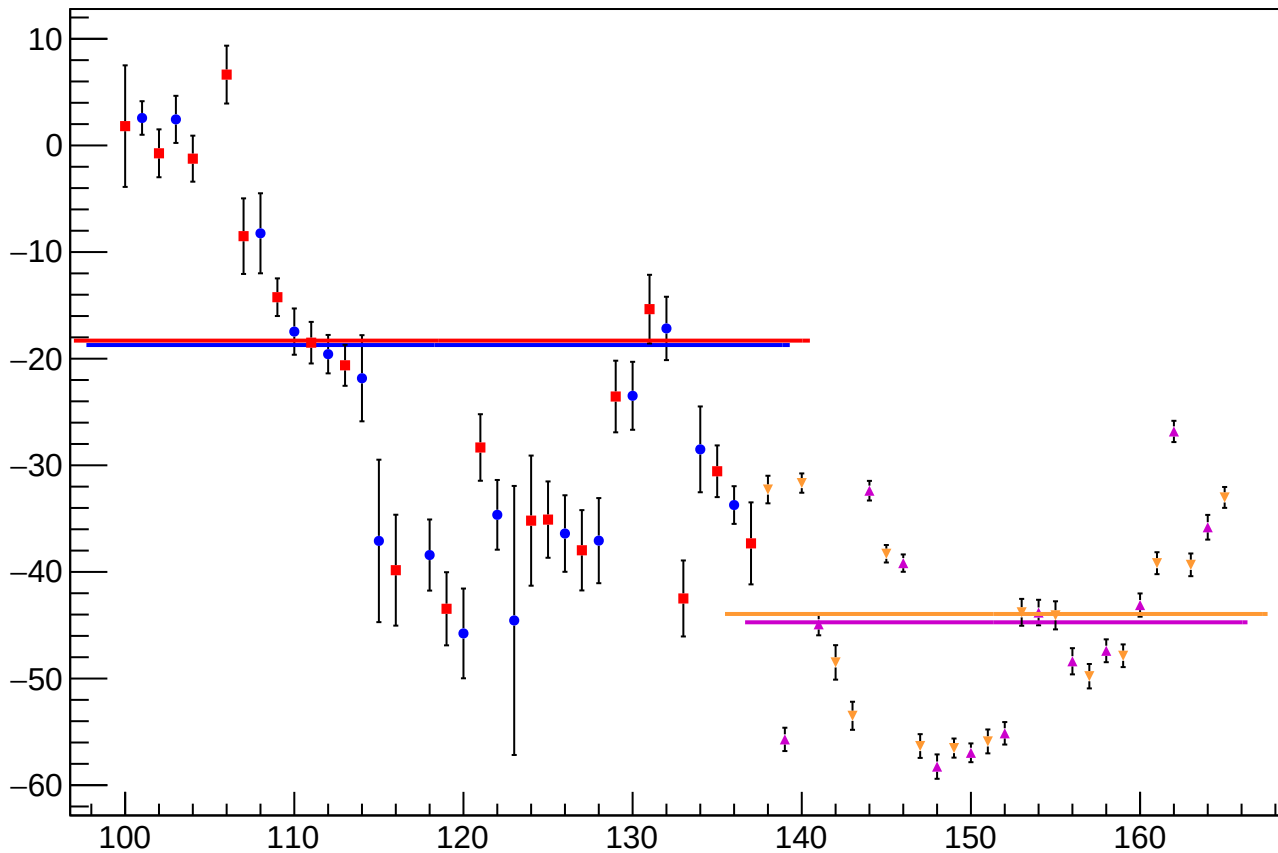
Right: 32.730 ± 0.266 $\chi^2/\text{NDF}: 1225.3/35$

In: 31.006 ± 0.181 $\chi^2/\text{NDF}: 911.6/29$

Out: 31.277 ± 0.177 $\chi^2/\text{NDF}: 1478.5/33$

All: 31.144 ± 0.127 $\chi^2/\text{NDF}: 2391.3/63$

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: -43.943 ± 0.279 χ^2/NDF : 1012.0/14

Right Out: -18.306 ± 0.644 χ^2/NDF : 472.6/18

Left In: -44.725 ± 0.286 χ^2/NDF : 1157.5/12

Left: -44.325 ± 0.200 χ^2/NDF : 2173.3/27

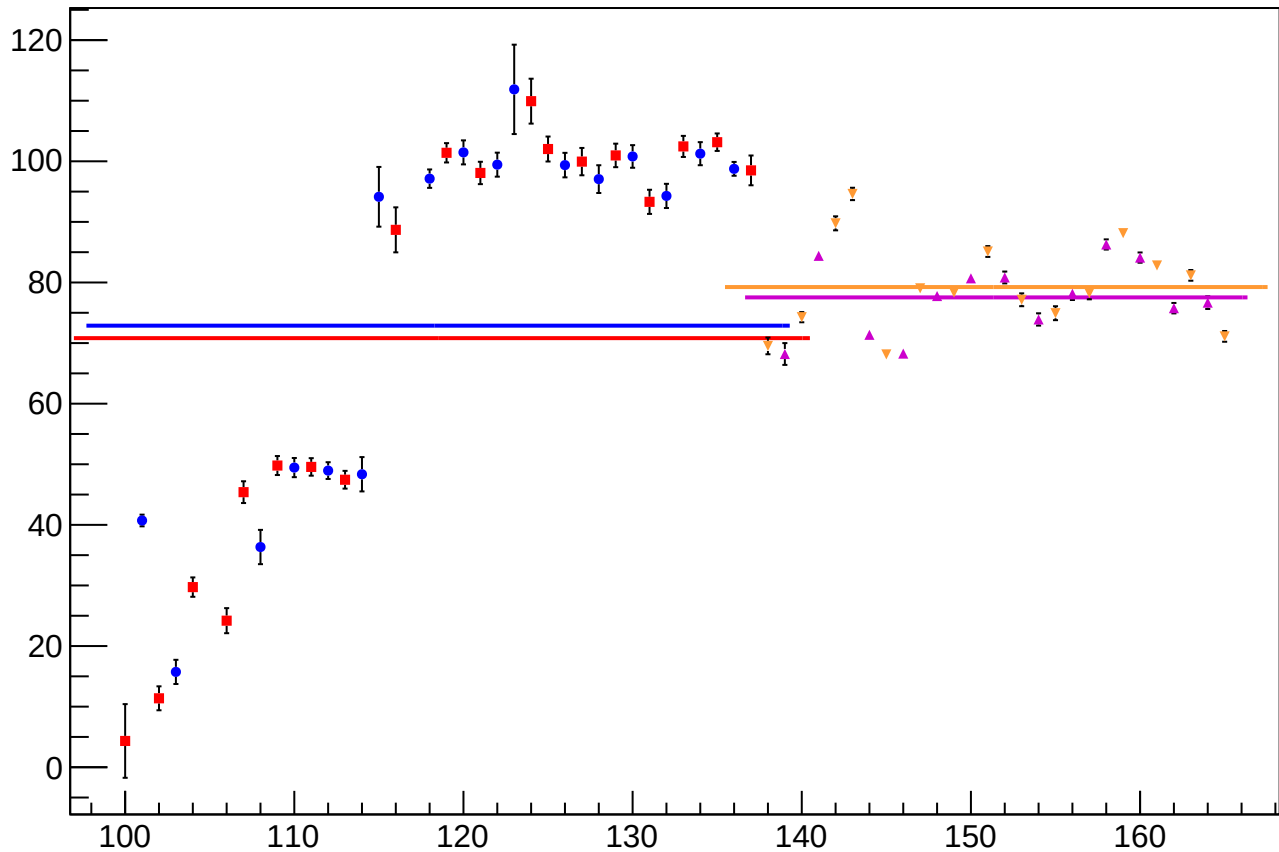
Right: -18.506 ± 0.463 χ^2/NDF : 992.4/35

In: -40.675 ± 0.263 χ^2/NDF : 2966.6/29

Out: -39.883 ± 0.256 χ^2/NDF : 2820.4/33

All: -40.269 ± 0.183 χ^2/NDF : 5791.6/63

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.875 ± 0.426 χ^2/NDF : 4737.9/16

Left Out: 79.246 ± 0.234 χ^2/NDF : 907.3/14

Right Out: 70.815 ± 0.433 χ^2/NDF : 5489.3/18

Left In: 77.539 ± 0.242 χ^2/NDF : 571.1/12

Left: 78.422 ± 0.168 χ^2/NDF : 1504.2/27

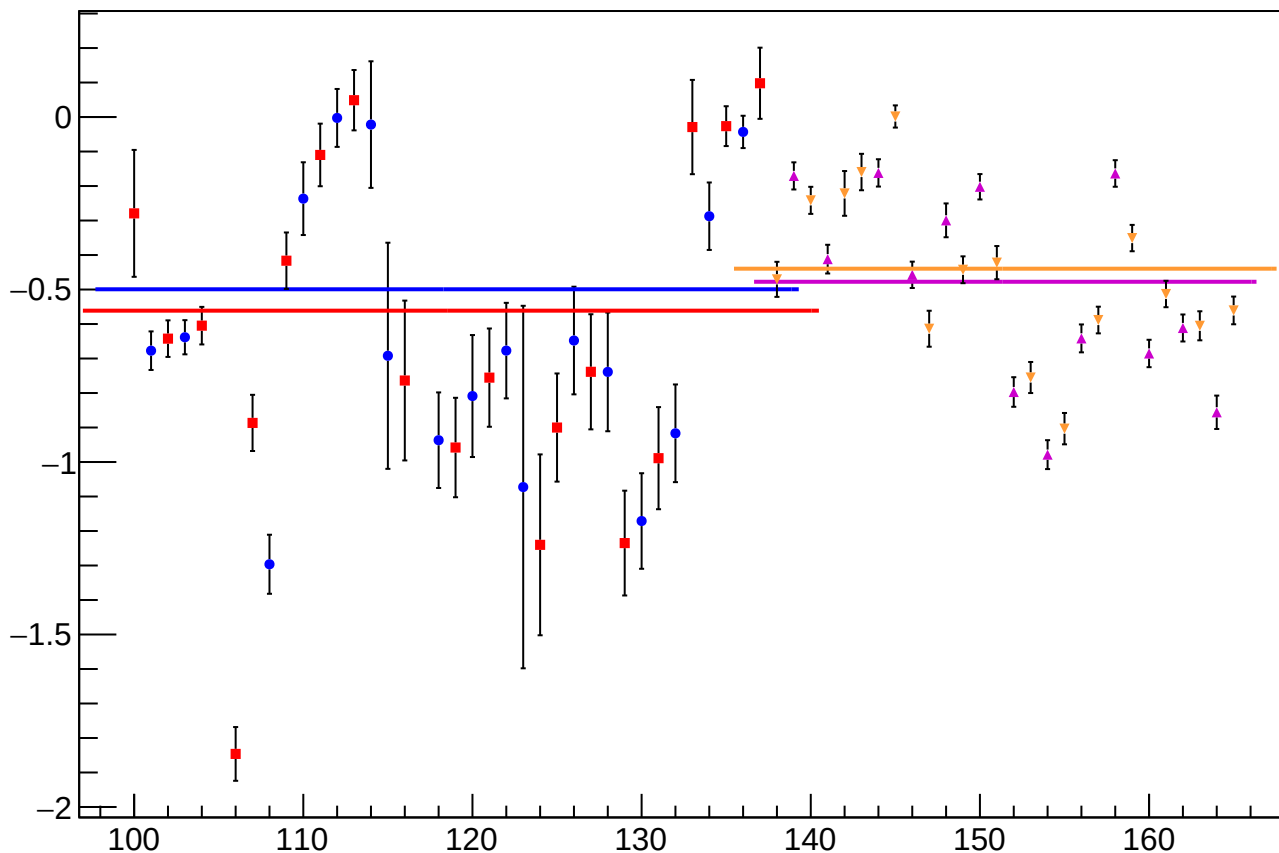
Right: 71.863 ± 0.304 χ^2/NDF : 10238.7/35

In: 76.402 ± 0.210 χ^2/NDF : 5399.8/29

Out: 77.347 ± 0.206 χ^2/NDF : 6690.0/33

All: 76.885 ± 0.147 χ^2/NDF : 12100.1/63

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: -0.440 ± 0.011 χ^2/NDF : 466.2/14

Right Out: -0.561 ± 0.021 χ^2/NDF : 562.3/18

Left In: -0.478 ± 0.011 χ^2/NDF : 578.0/12

Left: -0.458 ± 0.008 χ^2/NDF : 1049.9/27

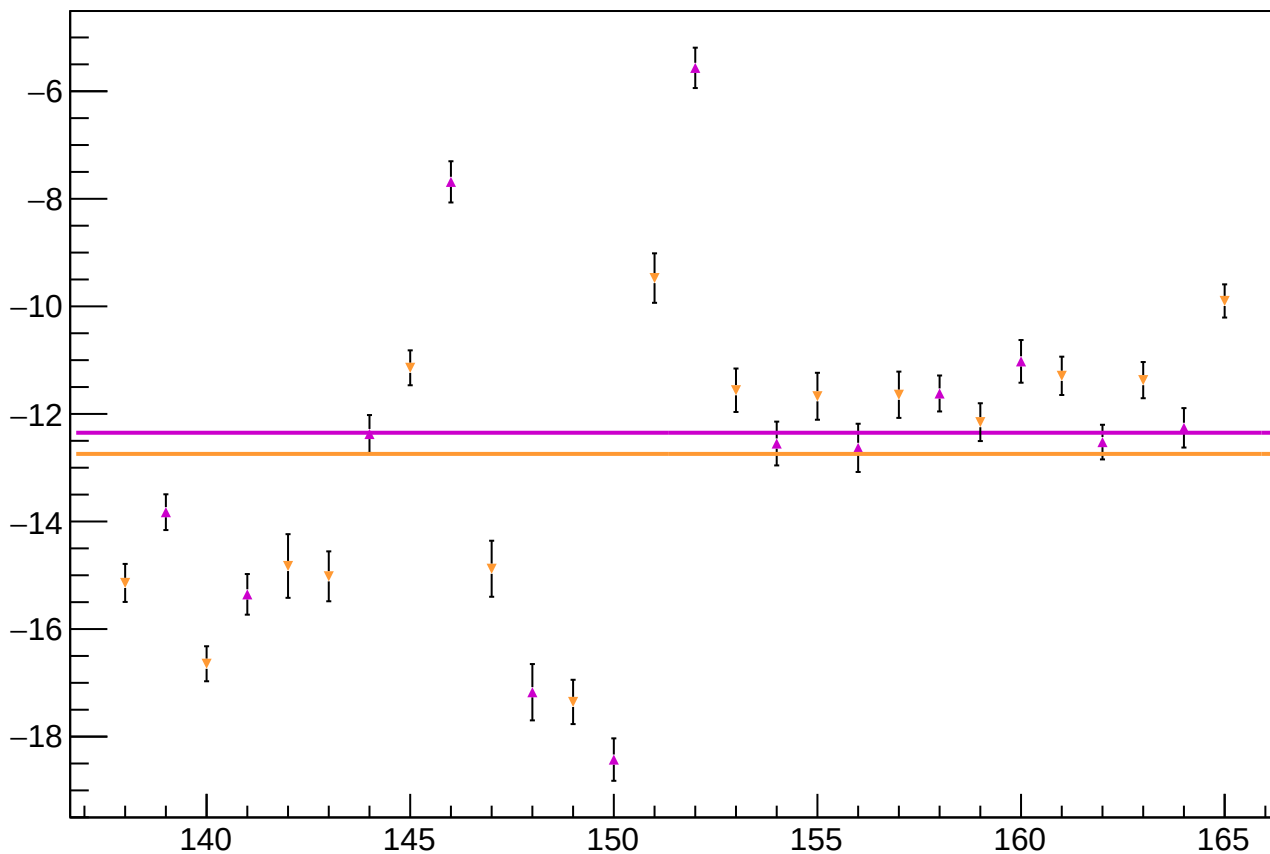
Right: -0.532 ± 0.015 χ^2/NDF : 869.9/35

In: -0.482 ± 0.010 χ^2/NDF : 882.2/29

Out: -0.465 ± 0.010 χ^2/NDF : 1054.1/33

All: -0.473 ± 0.007 χ^2/NDF : 1937.8/63

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



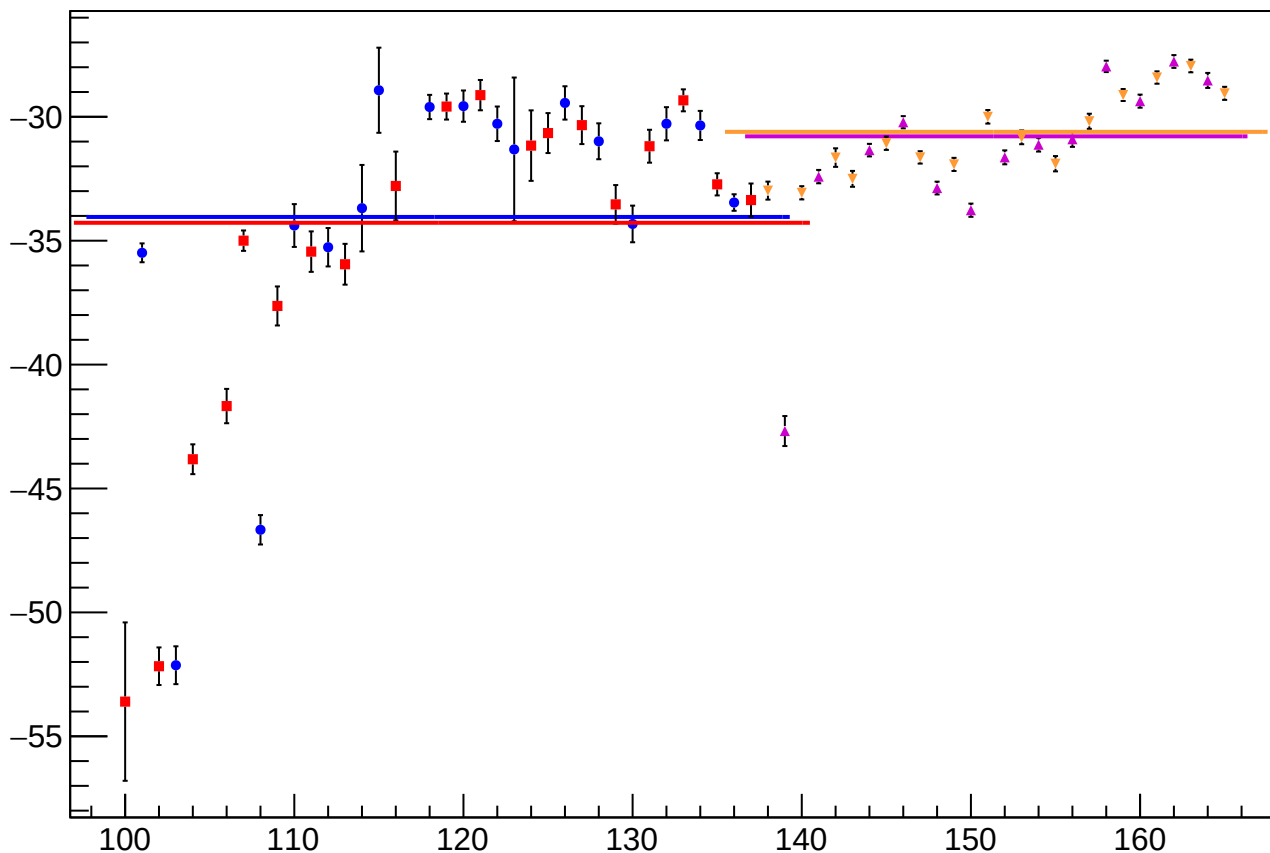
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -12.743+/-0.100 χ^2/NDF :585.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.350+/-0.105 χ^2/NDF :896.7/12

Left: -12.556+/-0.072 χ^2/NDF : 1489.4/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.350+/-0.105 χ^2/NDF :896.7/12
 Out: -12.743+/-0.100 χ^2/NDF :585.3/14

All: -12.556+/-0.072 χ^2/NDF : 1489.4/27

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.042 ± 0.151 $\chi^2/\text{NDF}: 1340.8/16$

Left Out: -30.607 ± 0.072 $\chi^2/\text{NDF}: 496.1/14$

Right Out: -34.277 ± 0.151 $\chi^2/\text{NDF}: 1349.5/18$

Left In: -30.789 ± 0.076 $\chi^2/\text{NDF}: 1004.0/12$

Left: -30.693 ± 0.052 $\chi^2/\text{NDF}: 1503.1/27$

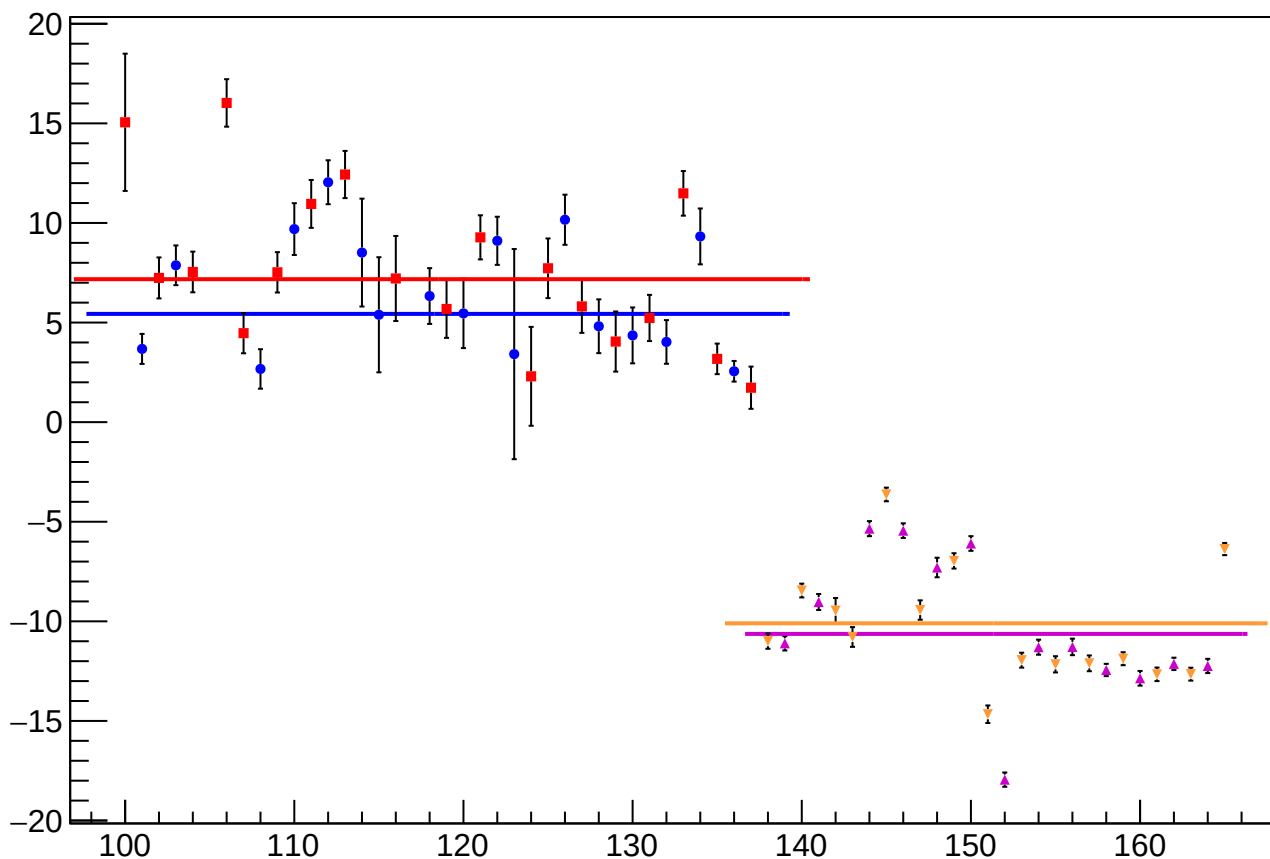
Right: -34.159 ± 0.107 $\chi^2/\text{NDF}: 2691.4/35$

In: -31.450 ± 0.068 $\chi^2/\text{NDF}: 2716.0/29$

Out: -31.289 ± 0.065 $\chi^2/\text{NDF}: 2327.5/33$

All: -31.366 ± 0.047 $\chi^2/\text{NDF}: 5046.4/63$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.435 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -10.100 ± 0.098 $\chi^2/\text{NDF}: 933.6/14$

Right Out: 7.177 ± 0.274 $\chi^2/\text{NDF}: 182.6/18$

Left In: -10.632 ± 0.102 $\chi^2/\text{NDF}: 1144.8/12$

Left: -10.356 ± 0.071 $\chi^2/\text{NDF}: 2092.5/27$

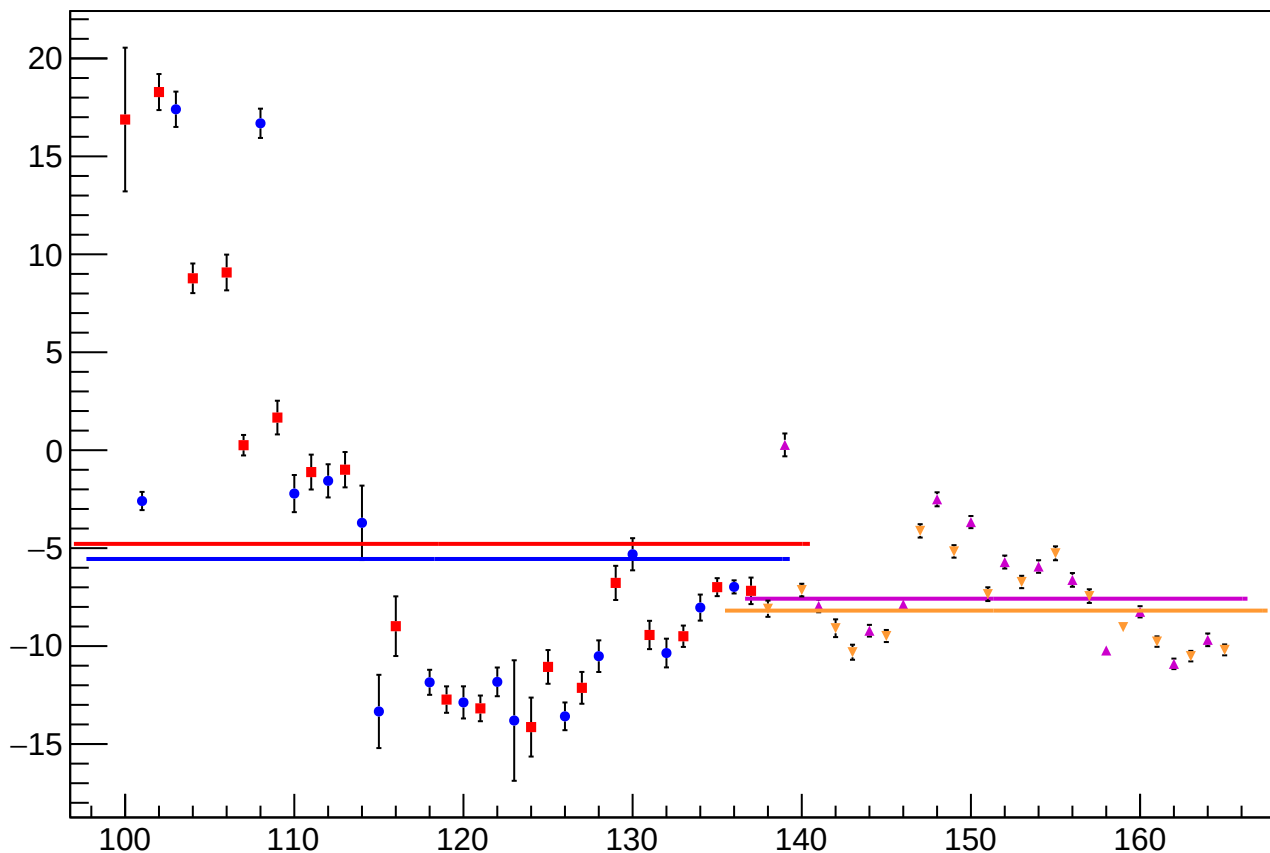
Right: 6.291 ± 0.192 $\chi^2/\text{NDF}: 335.1/35$

In: -8.625 ± 0.095 $\chi^2/\text{NDF}: 4385.4/29$

Out: -8.141 ± 0.092 $\chi^2/\text{NDF}: 4637.0/33$

All: -8.375 ± 0.066 $\chi^2/\text{NDF}: 9035.8/63$

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: -8.189 ± 0.083 χ^2/NDF : 565.8/14

Right Out: -4.782 ± 0.173 χ^2/NDF : 2040.4/18

Left In: -7.581 ± 0.087 χ^2/NDF : 958.8/12

Left: -7.900 ± 0.060 χ^2/NDF : 1550.3/27

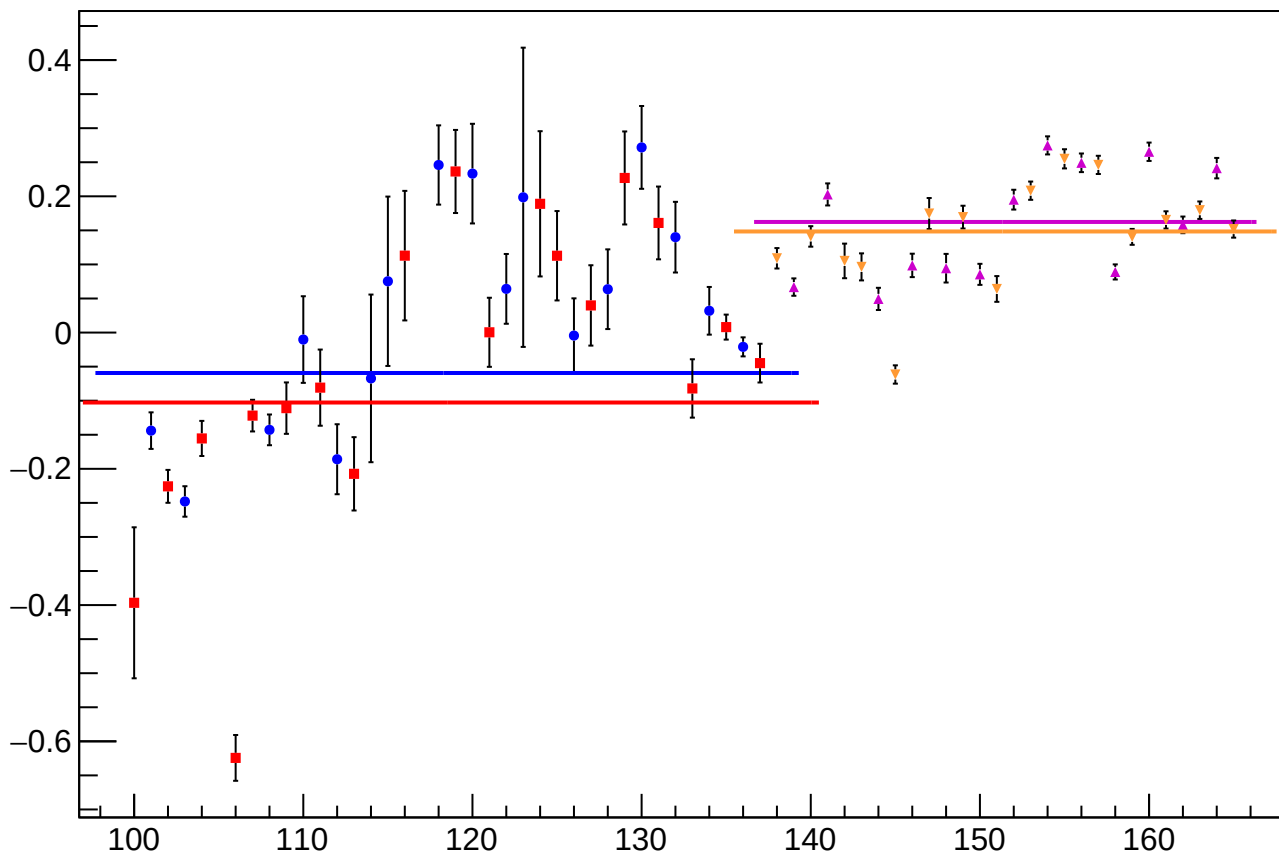
Right: -5.174 ± 0.121 χ^2/NDF : 4175.8/35

In: -7.159 ± 0.077 χ^2/NDF : 3197.0/29

Out: -7.555 ± 0.075 χ^2/NDF : 2922.4/33

All: -7.364 ± 0.054 χ^2/NDF : 6132.9/63

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: 0.148 ± 0.004 χ^2/NDF : 422.5/14

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.5/18

Left In: 0.162 ± 0.004 χ^2/NDF : 406.8/12

Left: 0.155 ± 0.003 χ^2/NDF : 835.8/27

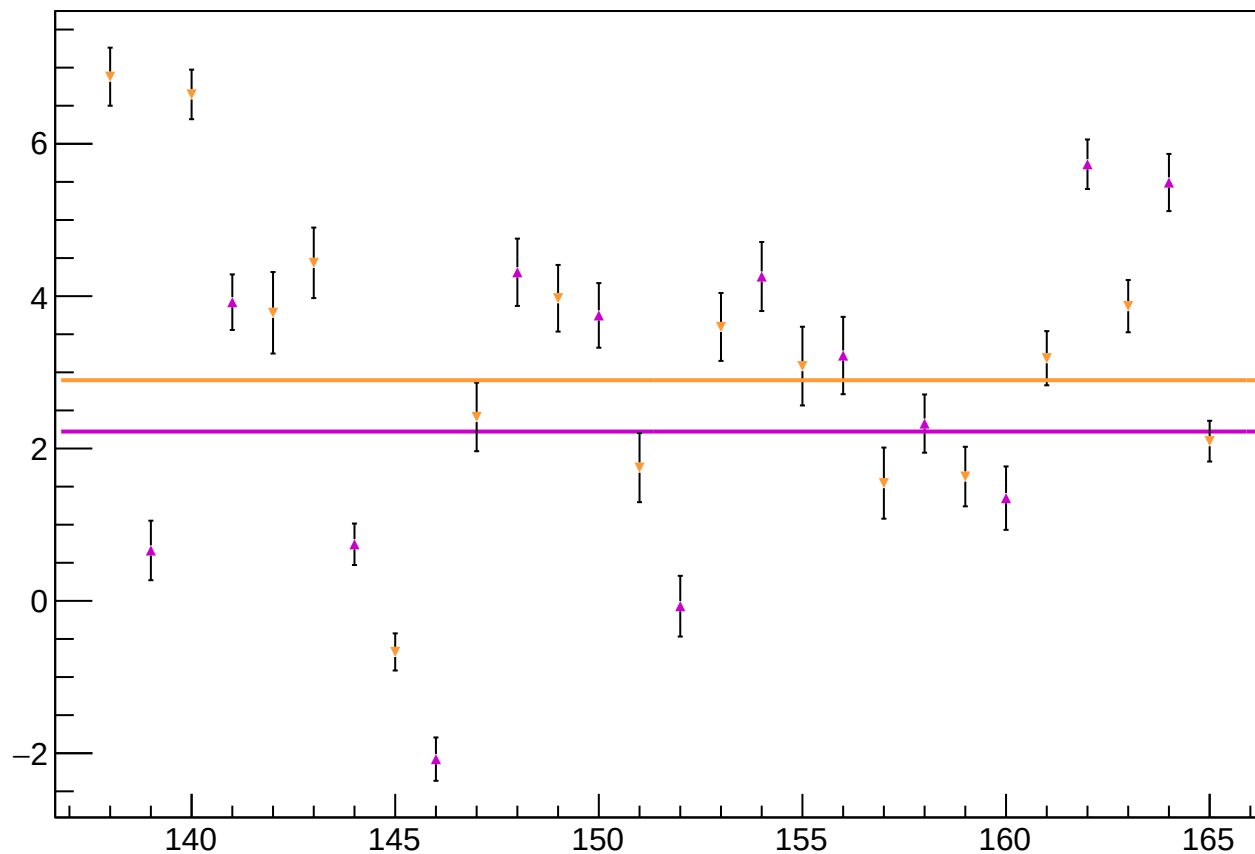
Right: -0.081 ± 0.006 χ^2/NDF : 666.4/35

In: 0.122 ± 0.004 χ^2/NDF : 1195.9/29

Out: 0.106 ± 0.003 χ^2/NDF : 1596.2/33

All: 0.114 ± 0.002 χ^2/NDF : 2803.0/63

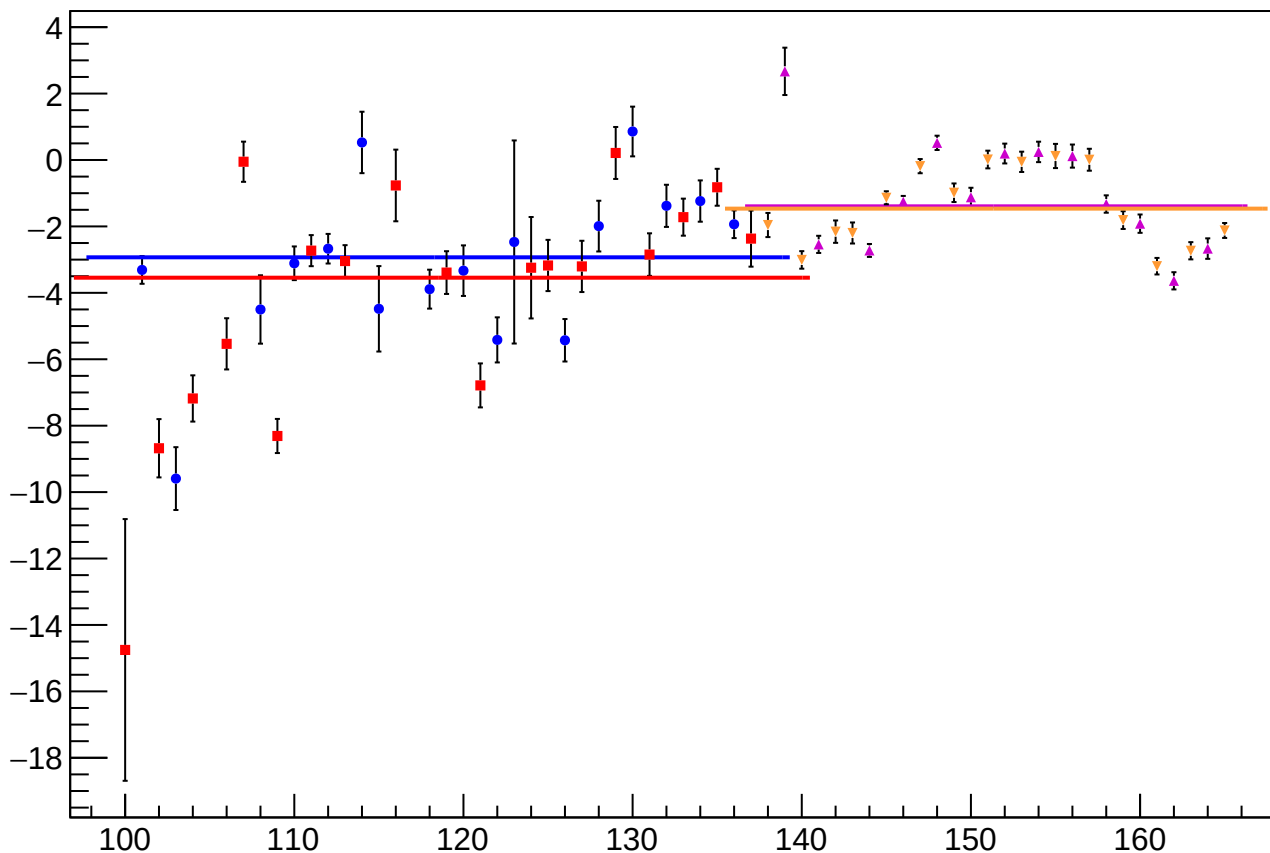
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.897 $\pm$ 0.097 χ^2/NDF :522.8/14
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 2.223 $\pm$ 0.103 χ^2/NDF :584.7/12

Left: 2.579 $\pm$ 0.070 χ^2/NDF : 1130.3/27
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 2.223 $\pm$ 0.103 χ^2/NDF :584.7/12
 Out: 2.897 $\pm$ 0.097 χ^2/NDF :522.8/14
 All: 2.579 $\pm$ 0.070 χ^2/NDF : 1130.3/27

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.930 ± 0.154 χ^2/NDF : 146.5/16

Left Out: -1.464 ± 0.069 χ^2/NDF : 260.7/14

Right Out: -3.544 ± 0.155 χ^2/NDF : 291.7/18

Left In: -1.395 ± 0.072 χ^2/NDF : 350.2/12

Left: -1.431 ± 0.050 χ^2/NDF : 611.4/27

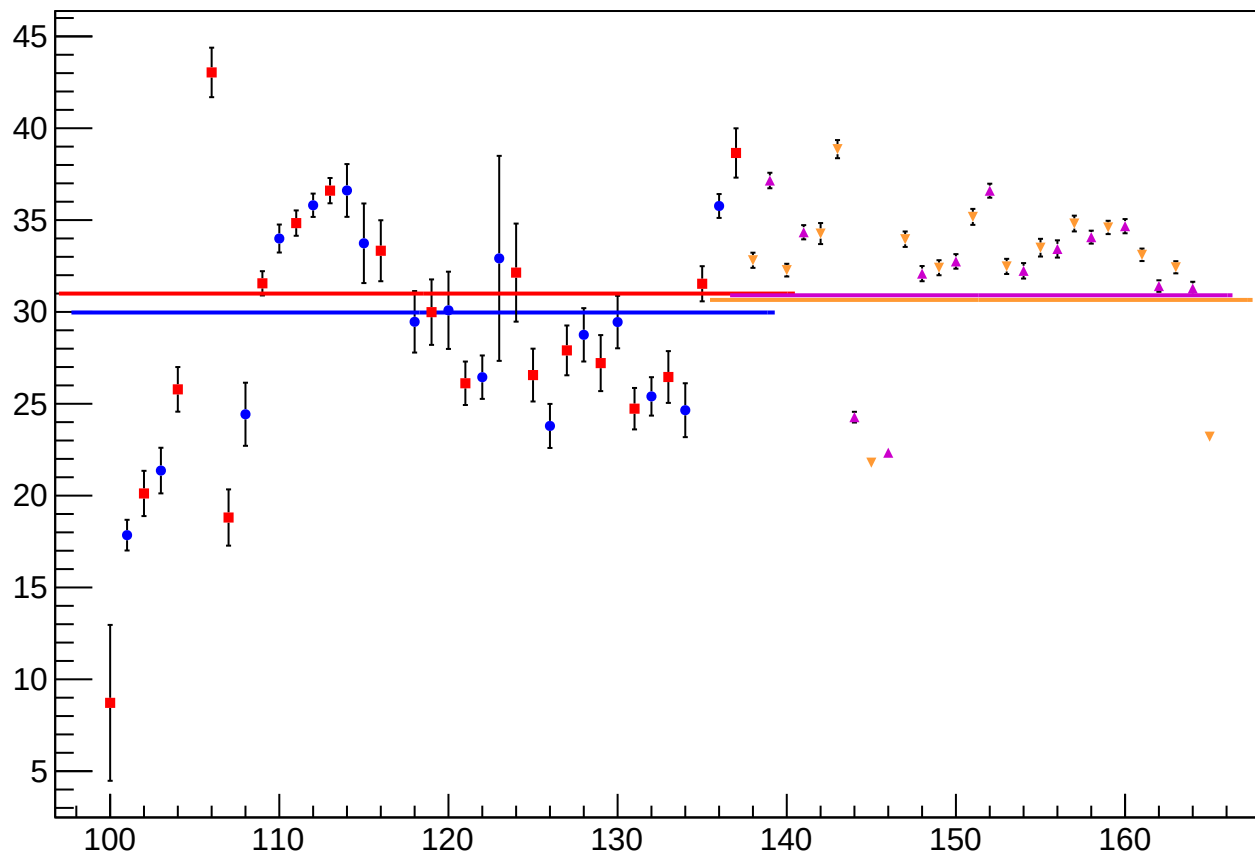
Right: -3.236 ± 0.109 χ^2/NDF : 446.1/35

In: -1.671 ± 0.065 χ^2/NDF : 578.4/29

Out: -1.813 ± 0.063 χ^2/NDF : 702.9/33

All: -1.744 ± 0.045 χ^2/NDF : 1283.8/63

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.969 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 30.654 $\pm$ 0.096 χ^2 /NDF: 2850.4/14

Right Out: 31.000 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 30.906 $\pm$ 0.100 χ^2 /NDF: 2269.7/12

Left: 30.775 $\pm$ 0.069 χ^2 /NDF: 5123.4/27

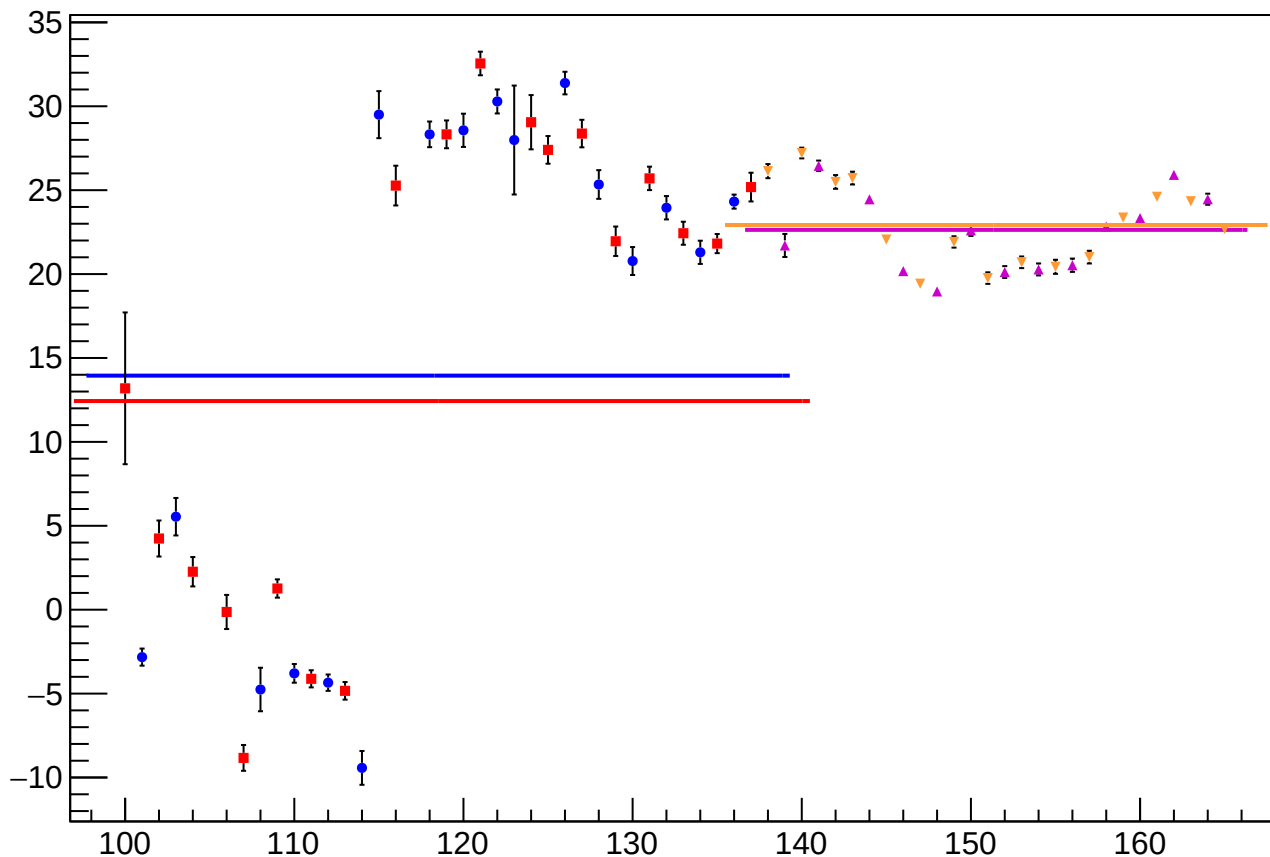
Right: 30.497 $\pm$ 0.186 χ^2 /NDF: 1041.5/35

In: 30.790 $\pm$ 0.094 χ^2 /NDF: 2834.8/29

Out: 30.695 $\pm$ 0.090 χ^2 /NDF: 3331.4/33

All: 30.741 $\pm$ 0.065 χ^2 /NDF: 6166.8/63

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.948 $\pm$ 0.172 χ^2 /NDF: 7391.9/16

Left Out: 22.926 $\pm$ 0.080 χ^2 /NDF: 752.3/14

Right Out: 12.435 $\pm$ 0.174 χ^2 /NDF: 6962.9/18

Left In: 22.634 $\pm$ 0.084 χ^2 /NDF: 794.3/12

Left: 22.787 $\pm$ 0.058 χ^2 /NDF: 1552.8/27

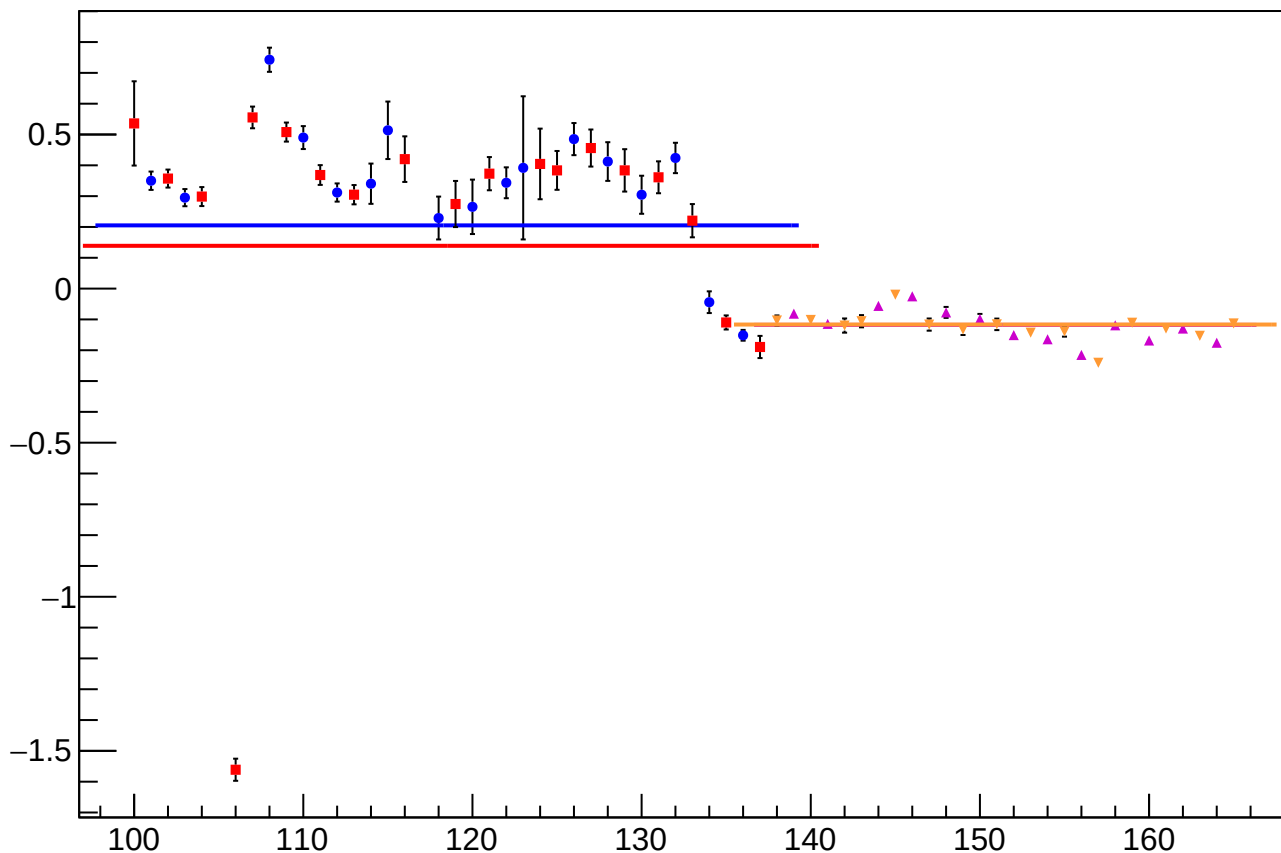
Right: 13.199 $\pm$ 0.122 χ^2 /NDF: 14393.1/35

In: 20.958 $\pm$ 0.076 χ^2 /NDF: 10245.3/29

Out: 21.079 $\pm$ 0.073 χ^2 /NDF: 10721.6/33

All: 21.021 $\pm$ 0.052 χ^2 /NDF: 20968.2/63

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: -0.117 ± 0.004 χ^2/NDF : 180.7/14

Right Out: 0.139 ± 0.009 χ^2/NDF : 3016.8/18

Left In: -0.118 ± 0.004 χ^2/NDF : 172.2/12

Left: -0.117 ± 0.003 χ^2/NDF : 352.9/27

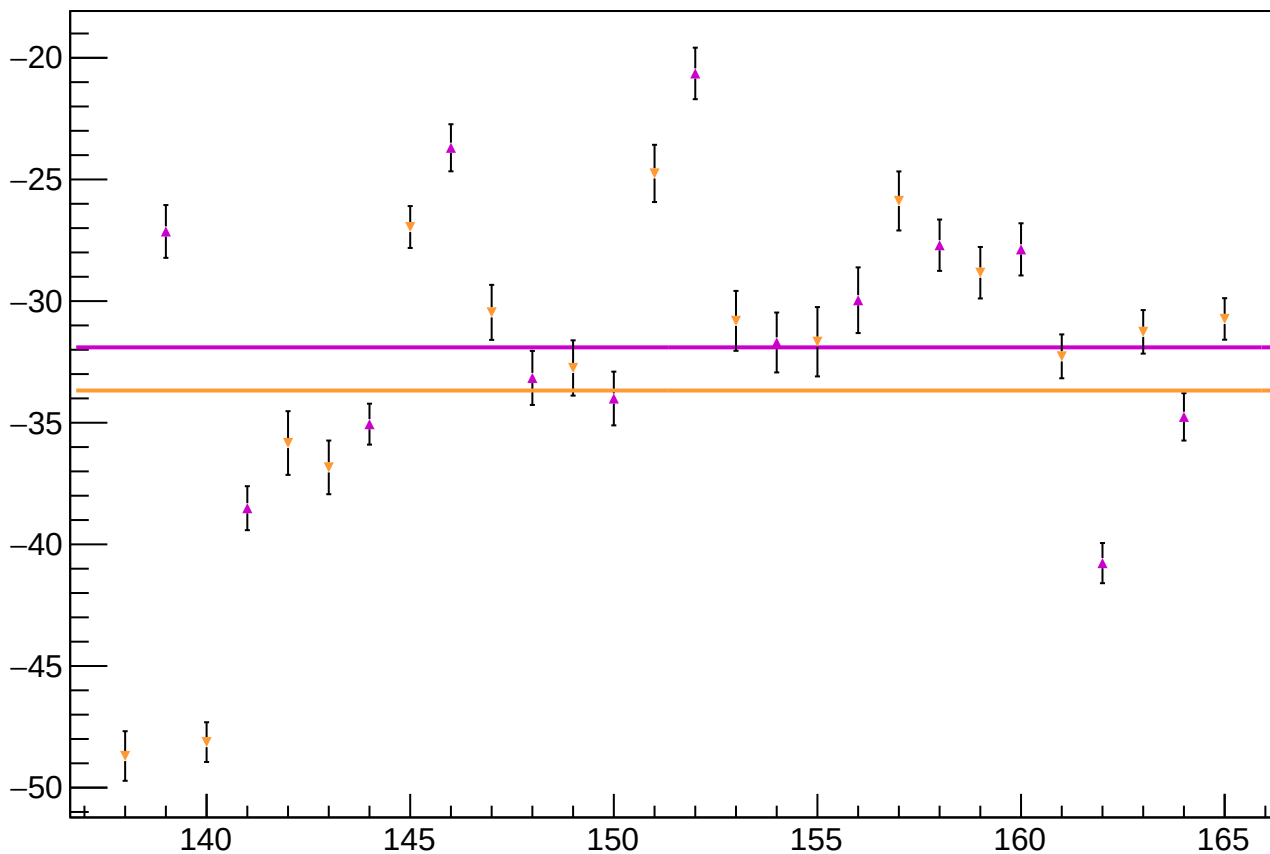
Right: 0.171 ± 0.007 χ^2/NDF : 3888.5/35

In: -0.068 ± 0.004 χ^2/NDF : 2026.0/29

Out: -0.080 ± 0.003 χ^2/NDF : 3858.3/33

All: -0.074 ± 0.003 χ^2/NDF : 5889.5/63

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.675+/-0.267 χ^2/NDF : 759.8/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -31.902+/-0.282 χ^2/NDF : 432.9/12

Left: -32.838+/-0.194 χ^2/NDF : 1213.6/27

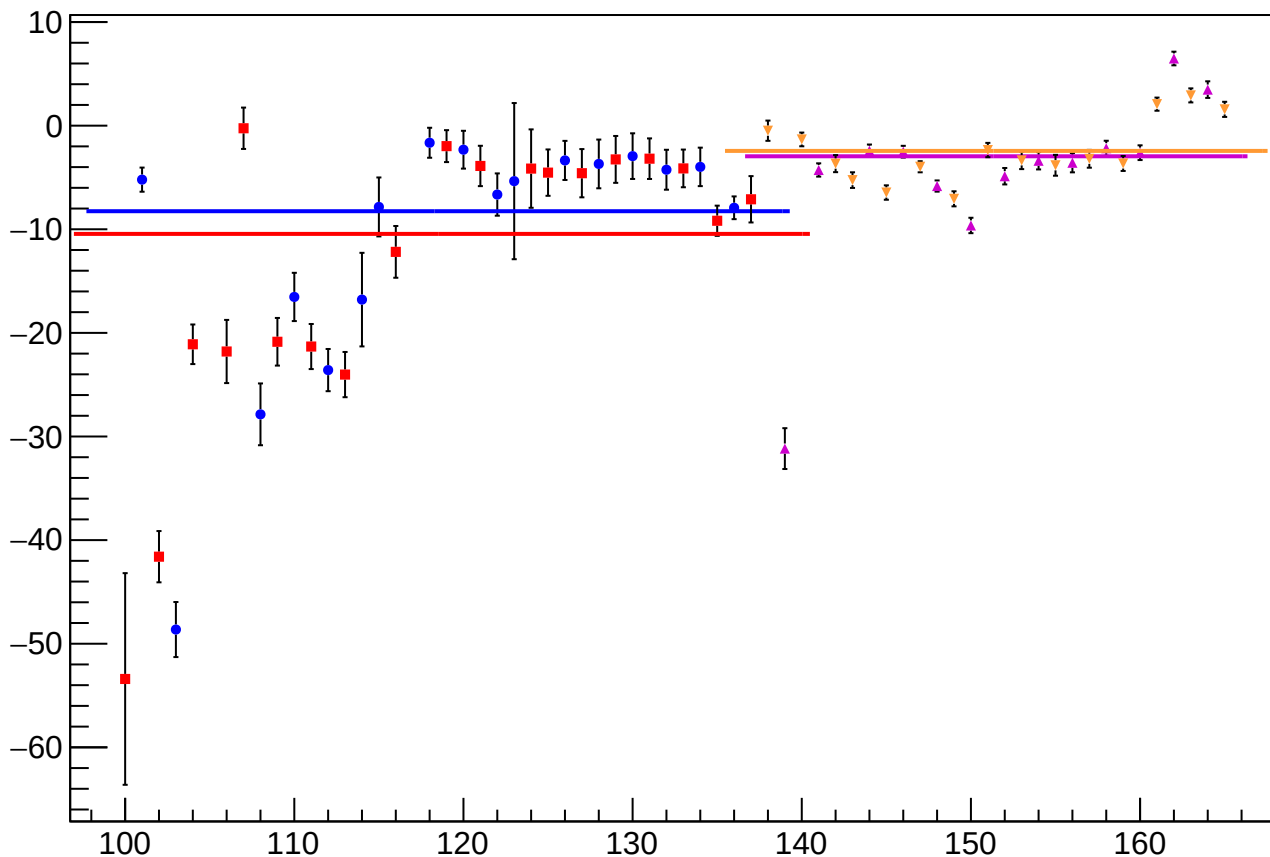
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.902+/-0.282 χ^2/NDF : 432.9/12

Out: -33.675+/-0.267 χ^2/NDF : 759.8/14

All: -32.838+/-0.194 χ^2/NDF : 1213.6/27

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: -2.436+/-0.188 χ^2 /NDF:254.9/14

Right Out: -10.446+/-0.491 χ^2 /NDF: 428.4/18

Left In: -2.957+/-0.197 χ^2 /NDF:597.2/12

Left: -2.684+/-0.136 χ^2 /NDF: 855.7/27

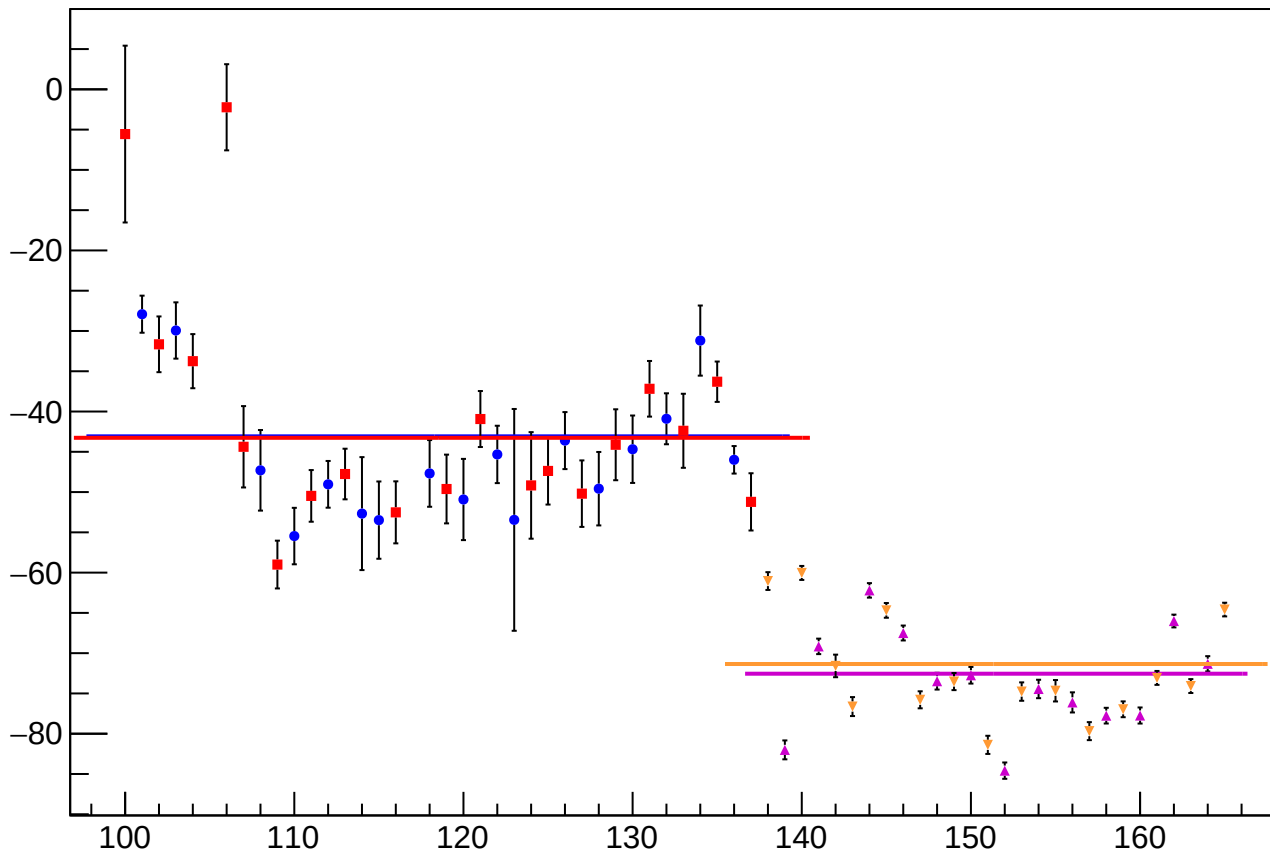
Right: -9.285+/-0.337 χ^2 /NDF: 851.1/35

In: -3.772+/-0.181 χ^2 /NDF:1120.6/29

Out: -3.460+/-0.176 χ^2 /NDF:915.2/33

All: -3.611+/-0.126 χ^2 /NDF: 2037.3/63

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: -71.345 ± 0.264 $\chi^2/\text{NDF}: 611.7/14$

Right Out: -43.262 ± 0.866 $\chi^2/\text{NDF}: 154.2/18$

Left In: -72.550 ± 0.275 $\chi^2/\text{NDF}: 517.0/12$

Left: -71.922 ± 0.190 $\chi^2/\text{NDF}: 1138.6/27$

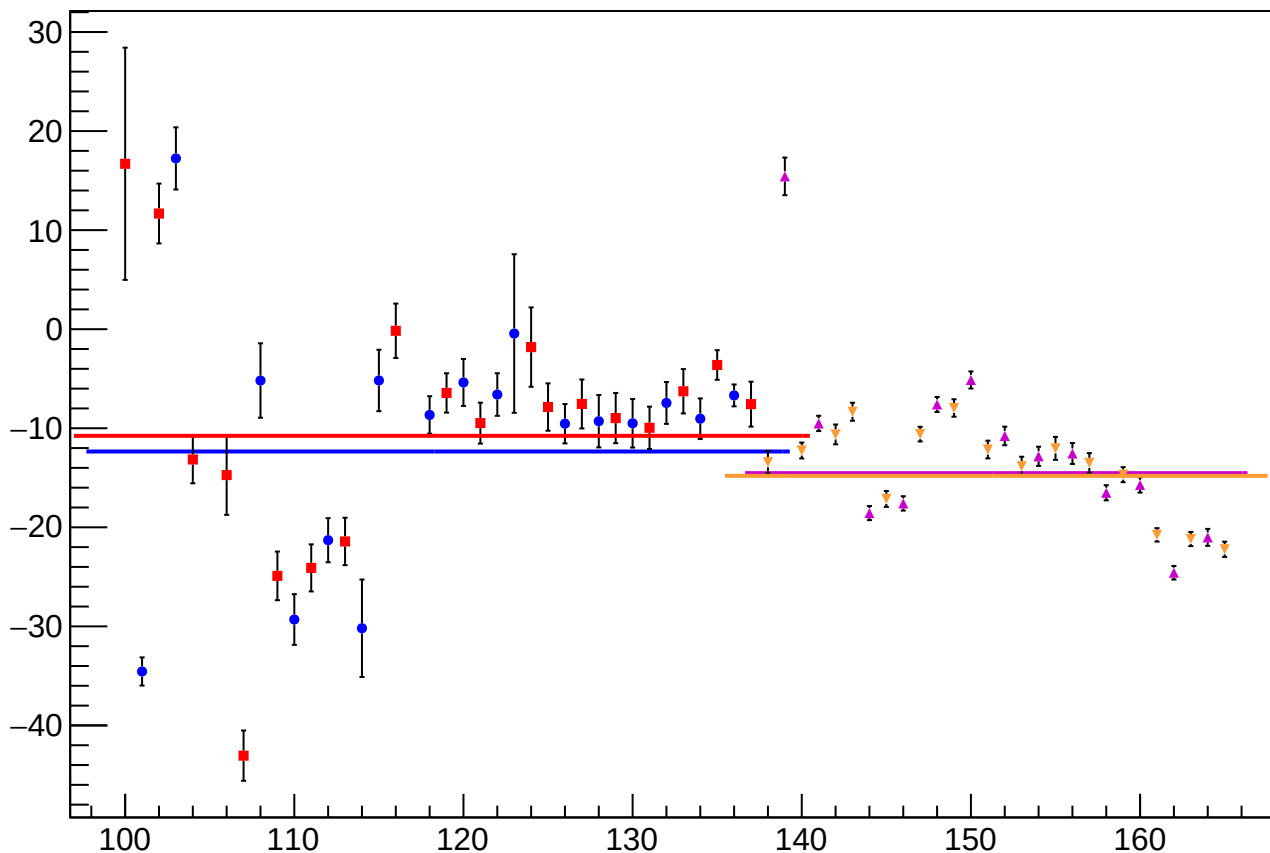
Right: -43.169 ± 0.601 $\chi^2/\text{NDF}: 253.4/35$

In: -69.658 ± 0.261 $\chi^2/\text{NDF}: 1741.4/29$

Out: -68.965 ± 0.252 $\chi^2/\text{NDF}: 1727.4/33$

All: -69.299 ± 0.182 $\chi^2/\text{NDF}: 3472.4/63$

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: -14.803 ± 0.219 $\chi^2/\text{NDF}: 448.4/14$

Right Out: -10.765 ± 0.554 $\chi^2/\text{NDF}: 366.6/18$

Left In: -14.533 ± 0.230 $\chi^2/\text{NDF}: 847.7/12$

Left: -14.674 ± 0.159 $\chi^2/\text{NDF}: 1296.8/27$

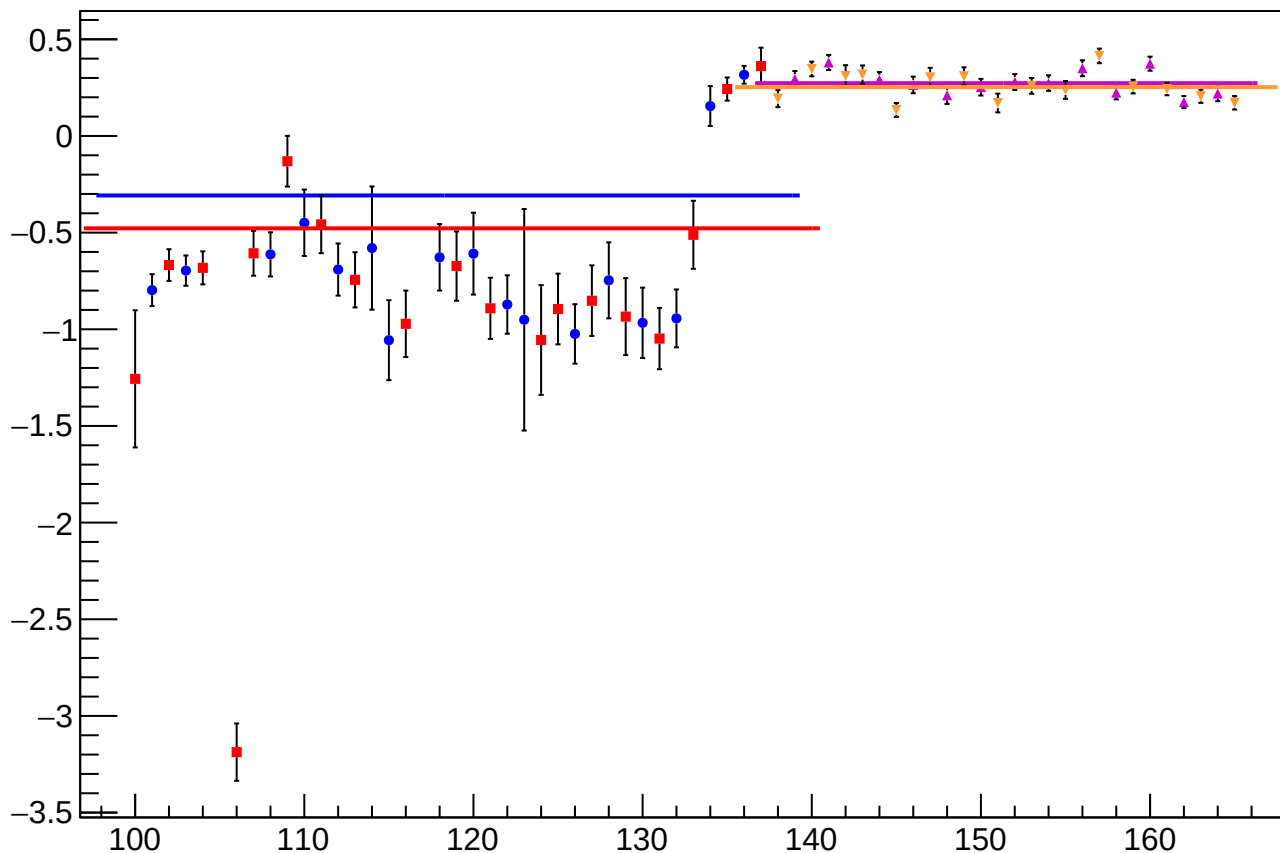
Right: -11.606 ± 0.379 $\chi^2/\text{NDF}: 846.9/35$

In: -14.175 ± 0.210 $\chi^2/\text{NDF}: 1338.4/29$

Out: -14.257 ± 0.204 $\chi^2/\text{NDF}: 861.1/33$

All: -14.217 ± 0.146 $\chi^2/\text{NDF}: 2199.6/63$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.308 ± 0.028 χ^2/NDF : 372.4/16

Left Out: 0.252 ± 0.010 χ^2/NDF : 52.9/14

Right Out: -0.478 ± 0.029 χ^2/NDF : 631.2/18

Left In: 0.273 ± 0.011 χ^2/NDF : 35.1/12

Left: 0.262 ± 0.008 χ^2/NDF : 89.9/27

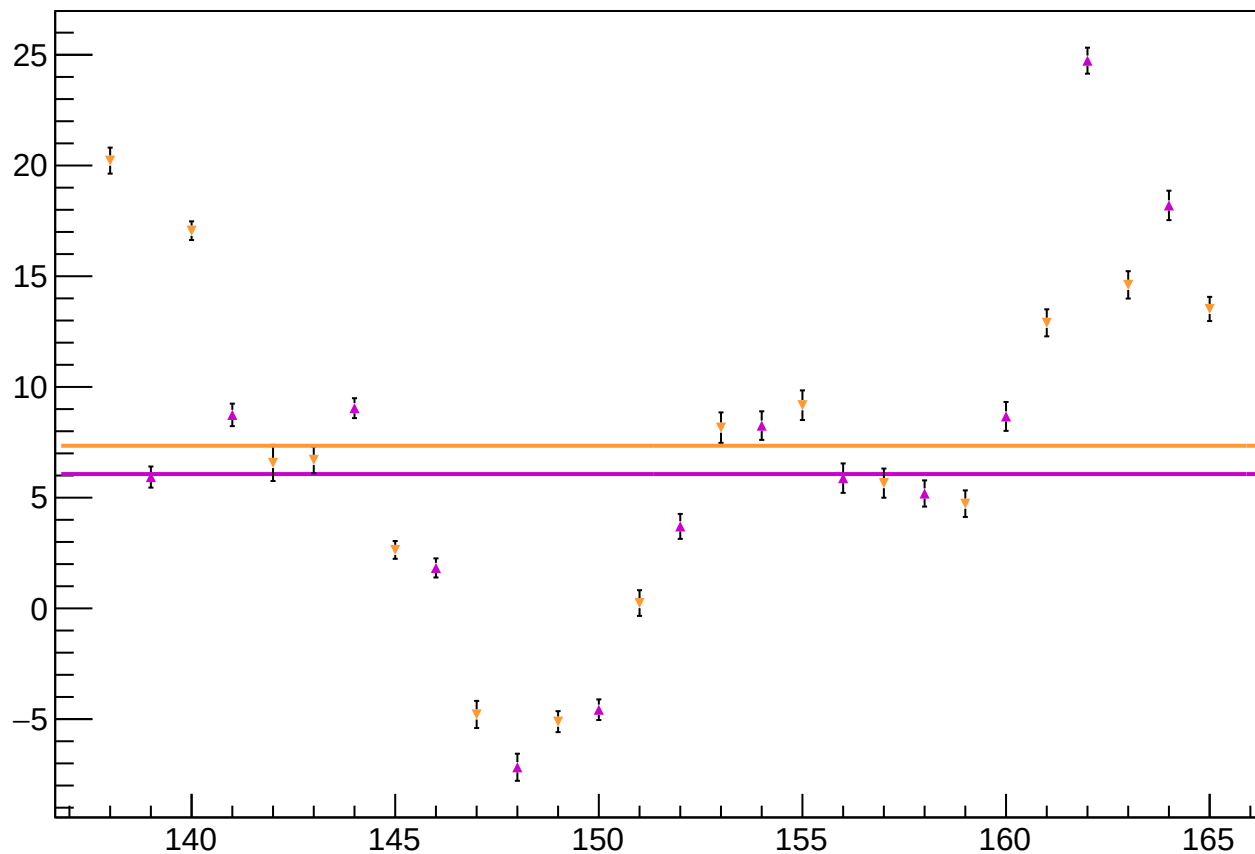
Right: -0.390 ± 0.020 χ^2/NDF : 1022.0/35

In: 0.195 ± 0.010 χ^2/NDF : 793.2/29

Out: 0.167 ± 0.010 χ^2/NDF : 1262.6/33

All: 0.180 ± 0.007 χ^2/NDF : 2059.7/63

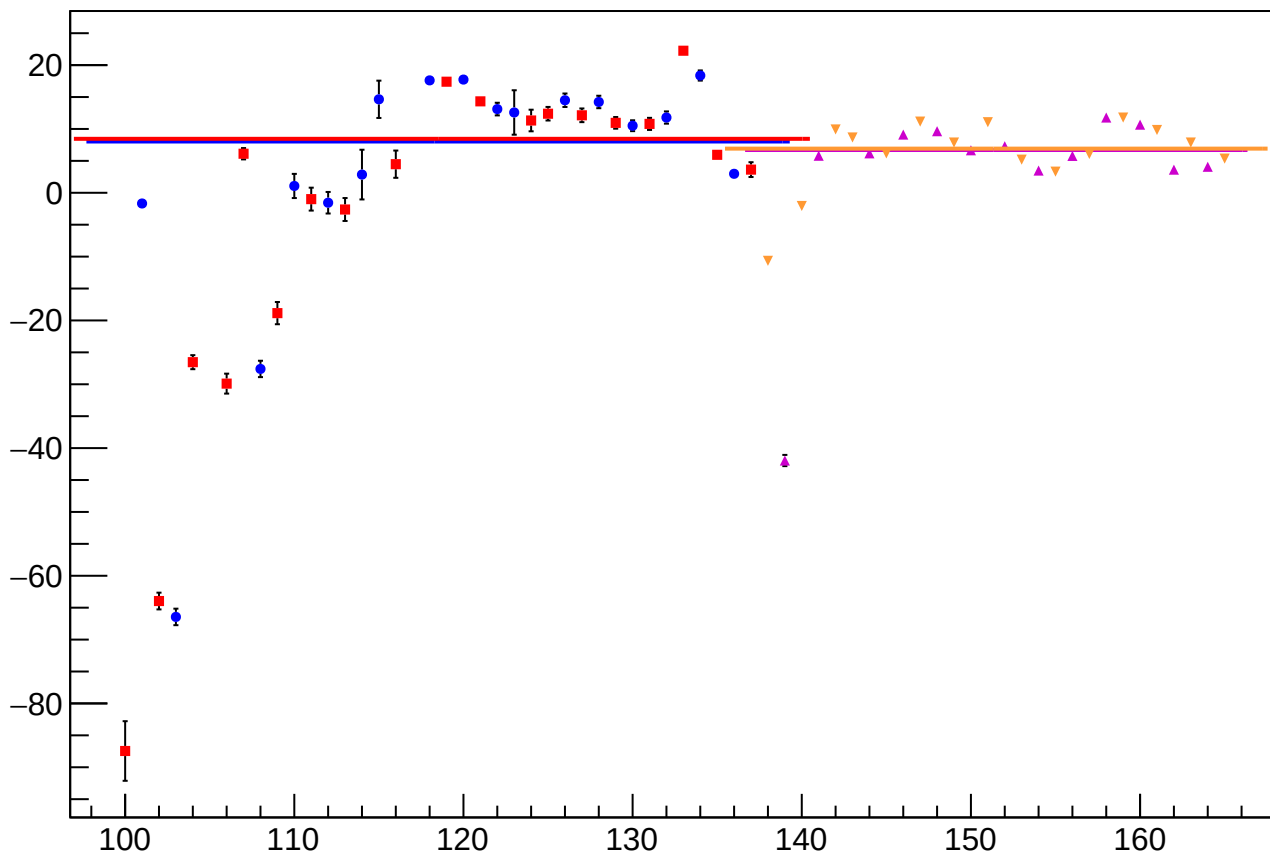
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.345+/-0.146 χ^2/NDF :2766.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.066+/-0.151 χ^2/NDF :2550.4/12

Left: 6.727+/-0.105 χ^2/NDF : 5354.4/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 6.066+/-0.151 χ^2/NDF :2550.4/12
 Out: 7.345+/-0.146 χ^2/NDF :2766.7/14
 All: 6.727+/-0.105 χ^2/NDF : 5354.4/27

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.036 $\pm$ 0.215 χ^2 /NDF: 5369.4/16

Left Out: 6.918 $\pm$ 0.103 χ^2 /NDF: 2223.2/14

Right Out: 8.454 $\pm$ 0.213 χ^2 /NDF: 6704.4/18

Left In: 6.702 $\pm$ 0.107 χ^2 /NDF: 3603.5/12

Left: 6.814 $\pm$ 0.074 χ^2 /NDF: 5828.9/27

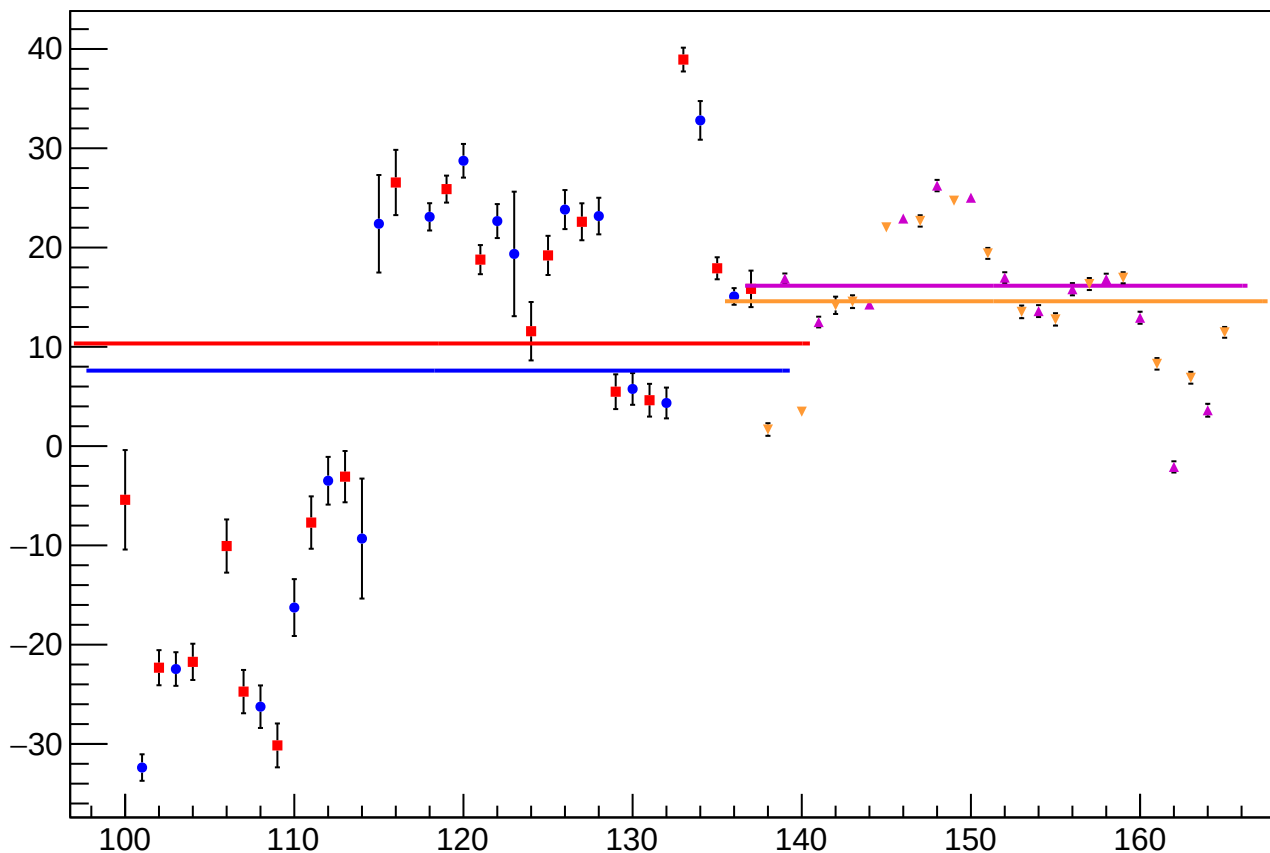
Right: 8.247 $\pm$ 0.151 χ^2 /NDF: 12075.7/35

In: 6.967 $\pm$ 0.096 χ^2 /NDF: 9003.7/29

Out: 7.208 $\pm$ 0.093 χ^2 /NDF: 8969.7/33

All: 7.092 $\pm$ 0.067 χ^2 /NDF: 17976.7/63

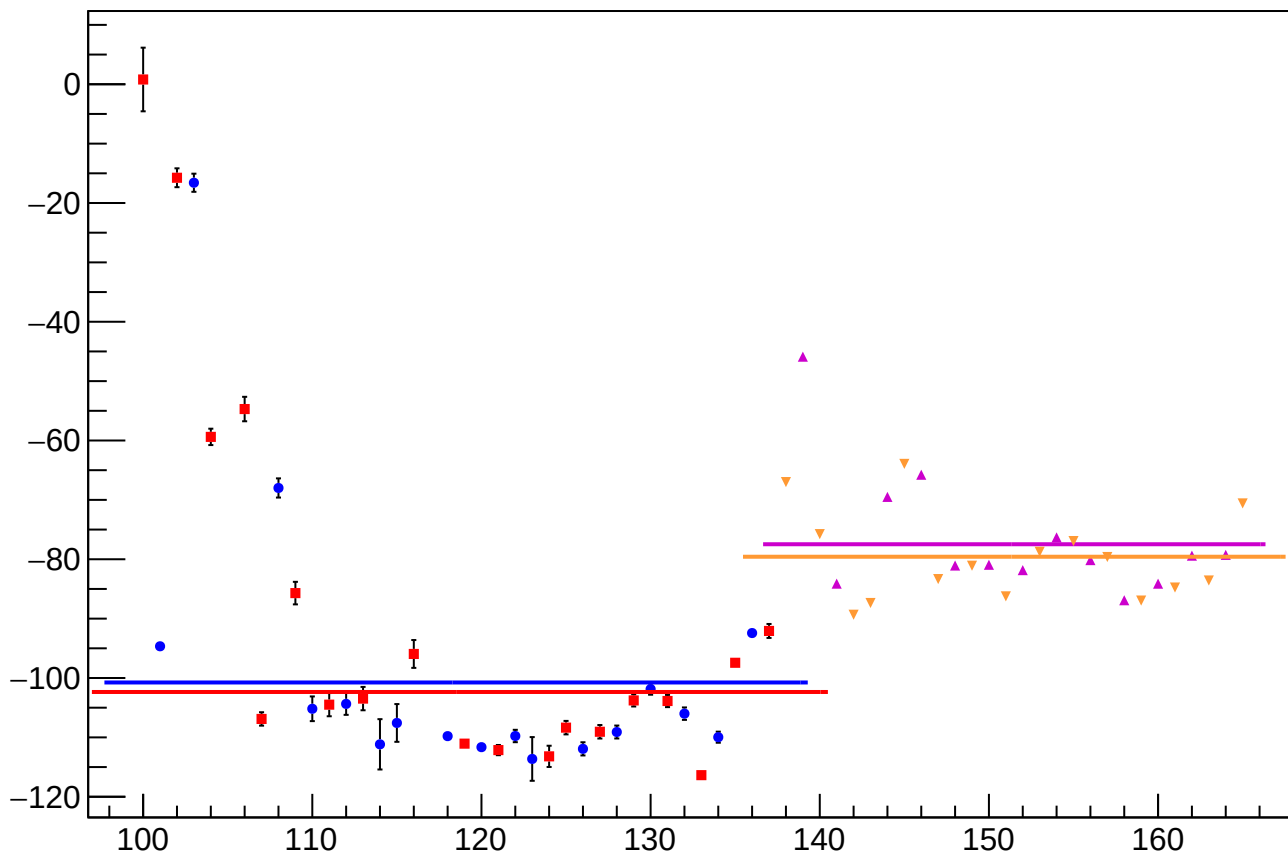
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.604 ± 0.416 $\chi^2/\text{NDF}: 2325.0/16$
 Left Out: 14.589 ± 0.144 $\chi^2/\text{NDF}: 2484.9/14$
 Right Out: 10.337 ± 0.416 $\chi^2/\text{NDF}: 2281.8/18$
 Left In: 16.154 ± 0.147 $\chi^2/\text{NDF}: 2521.4/12$

Left: 15.354 ± 0.103 $\chi^2/\text{NDF}: 5064.0/27$
 Right: 8.969 ± 0.294 $\chi^2/\text{NDF}: 4628.4/35$
 In: 15.200 ± 0.139 $\chi^2/\text{NDF}: 5222.1/29$
 Out: 14.135 ± 0.136 $\chi^2/\text{NDF}: 4859.9/33$
 All: 14.657 ± 0.097 $\chi^2/\text{NDF}: 10111.9/63$

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: -79.575 ± 0.121 χ^2/NDF : 3792.2/14

Right Out: -102.354 ± 0.246 χ^2/NDF : 6078.9/18

Left In: -77.472 ± 0.125 χ^2/NDF : 4195.5/12

Left: -78.564 ± 0.087 χ^2/NDF : 8134.0/27

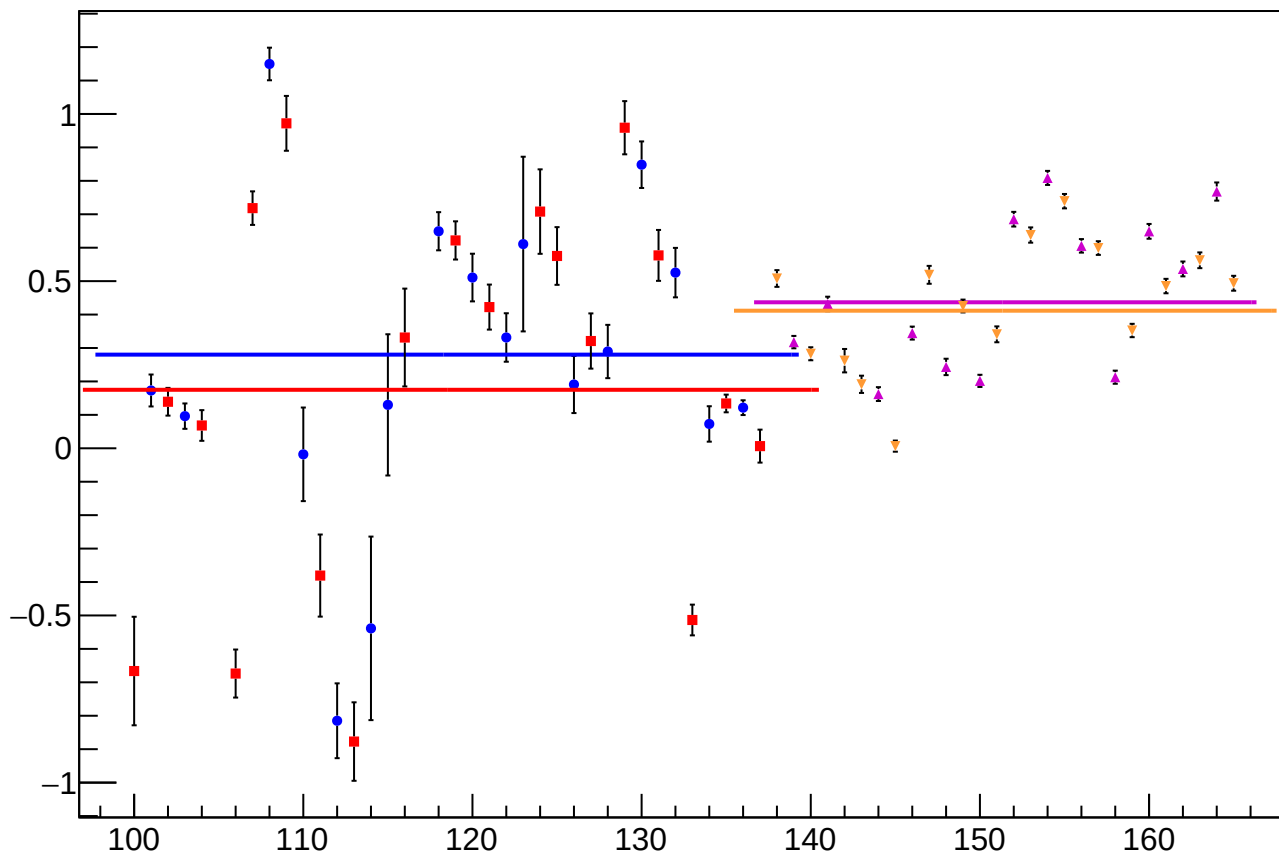
Right: -101.559 ± 0.175 χ^2/NDF : 10622.5/35

In: -82.205 ± 0.112 χ^2/NDF : 15738.5/29

Out: -83.982 ± 0.108 χ^2/NDF : 16773.6/33

All: -83.122 ± 0.078 χ^2/NDF : 32642.4/63

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.280 ± 0.013 χ^2/NDF : 656.0/16

Left Out: 0.412 ± 0.006 χ^2/NDF : 1254.4/14

Right Out: 0.175 ± 0.013 χ^2/NDF : 966.7/18

Left In: 0.437 ± 0.006 χ^2/NDF : 1369.1/12

Left: 0.424 ± 0.004 χ^2/NDF : 2633.1/27

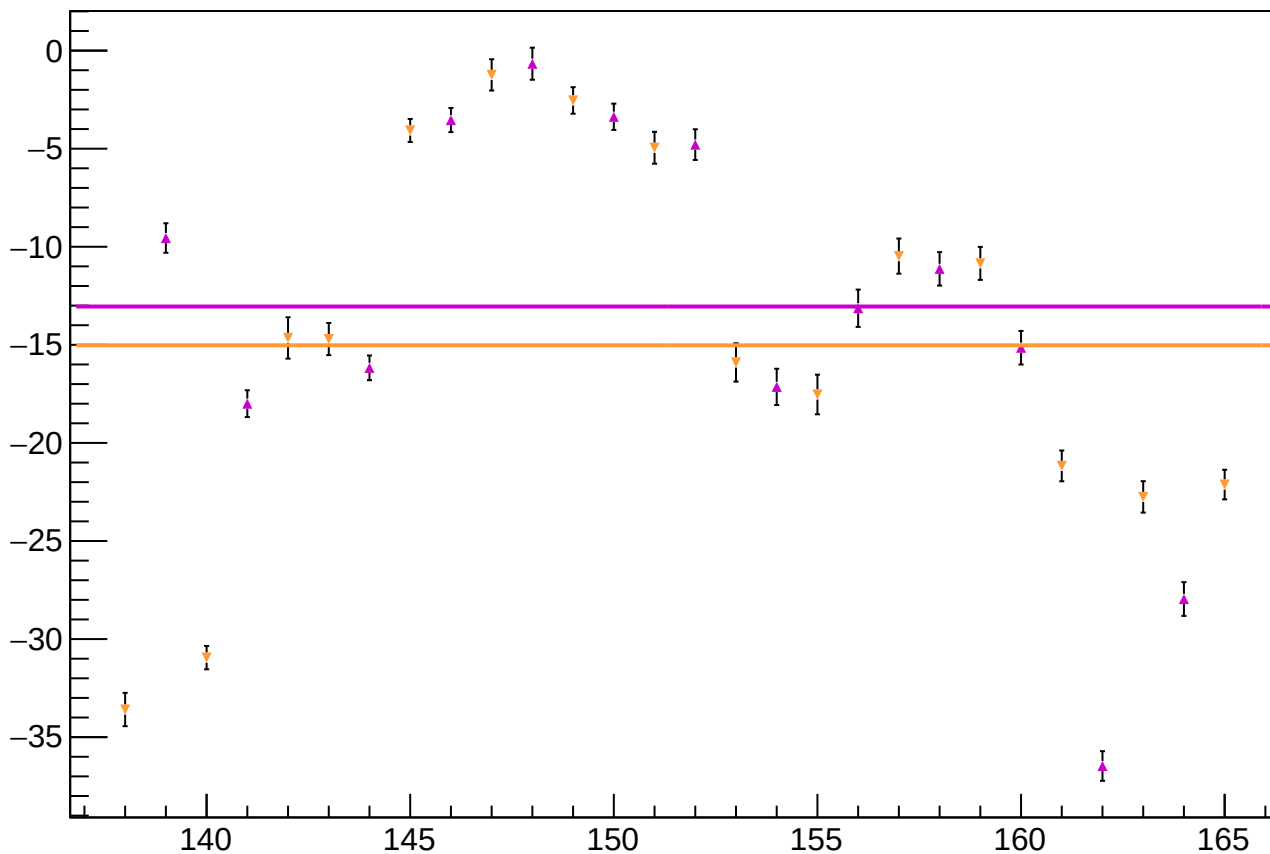
Right: 0.227 ± 0.010 χ^2/NDF : 1653.2/35

In: 0.412 ± 0.005 χ^2/NDF : 2138.9/29

Out: 0.376 ± 0.005 χ^2/NDF : 2483.9/33

All: 0.393 ± 0.004 χ^2/NDF : 4646.4/63

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



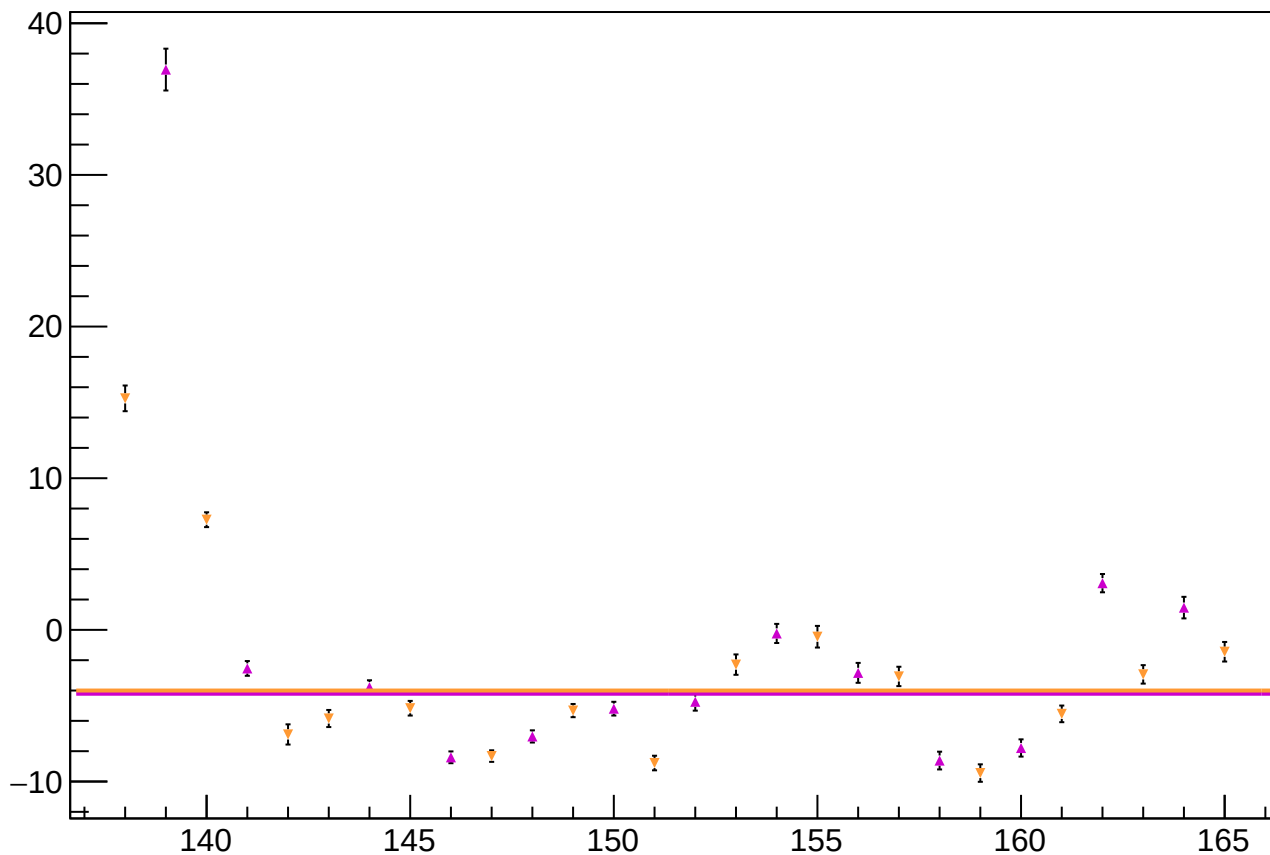
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -15.024+/-0.202 χ^2/NDF :2633.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -13.046+/-0.211 χ^2/NDF :2179.9/12

Left: -14.074+/-0.146 χ^2/NDF : 4859.0/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -13.046+/-0.211 χ^2/NDF :2179.9/12
 Out: -15.024+/-0.202 χ^2/NDF :2633.3/14

All: -14.074+/-0.146 χ^2/NDF : 4859.0/27

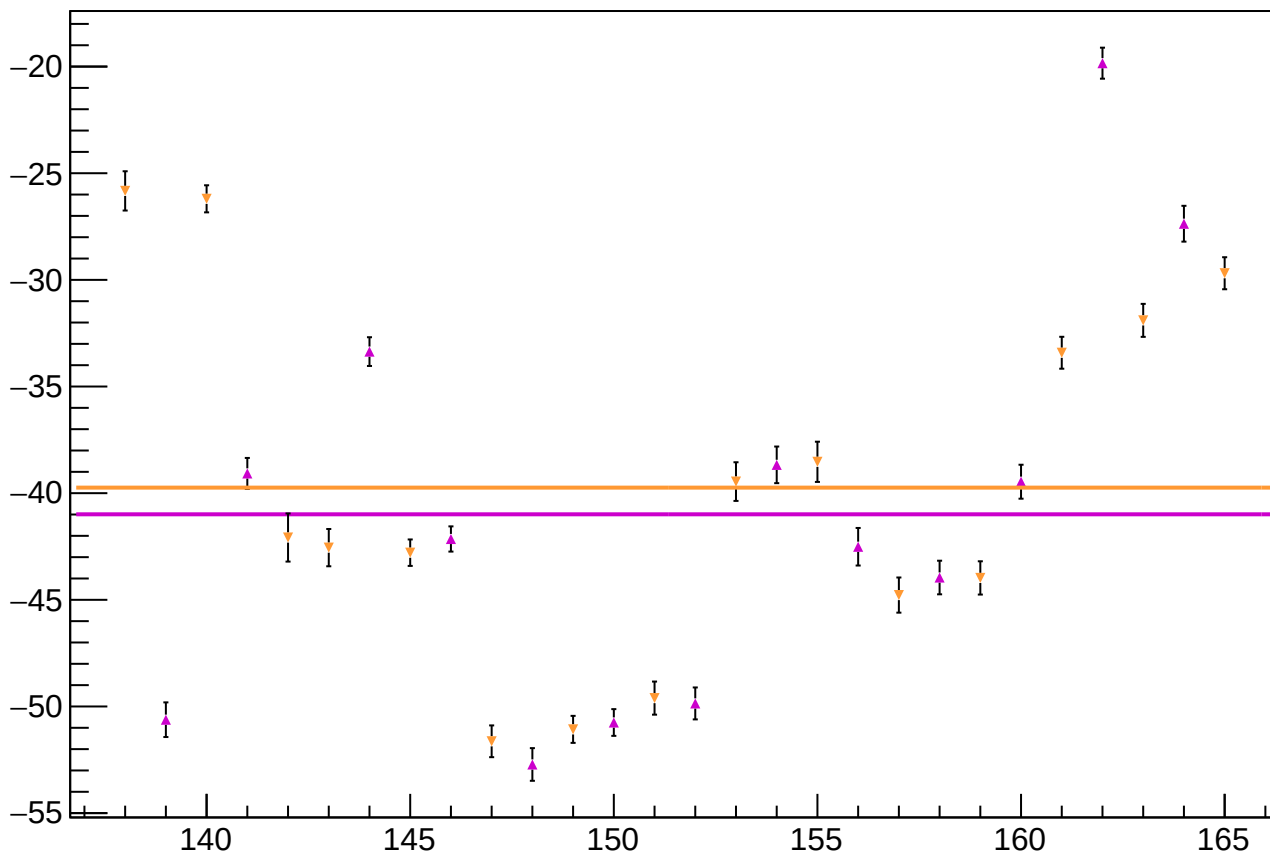
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.001+/-0.142 χ^2/NDF :1469.1/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.211+/-0.148 χ^2/NDF :1424.2/12

Left: -4.102+/-0.102 χ^2/NDF : 2894.3/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.211+/-0.148 χ^2/NDF :1424.2/12
 Out: -4.001+/-0.142 χ^2/NDF :1469.1/14
 All: -4.102+/-0.102 χ^2/NDF : 2894.3/27

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: -39.740+/-0.200 χ^2/NDF :1881.5/14

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

Left In: -40.991+/-0.206 χ^2/NDF :2034.5/12

Left: -40.348+/-0.143 χ^2/NDF : 3935.1/27

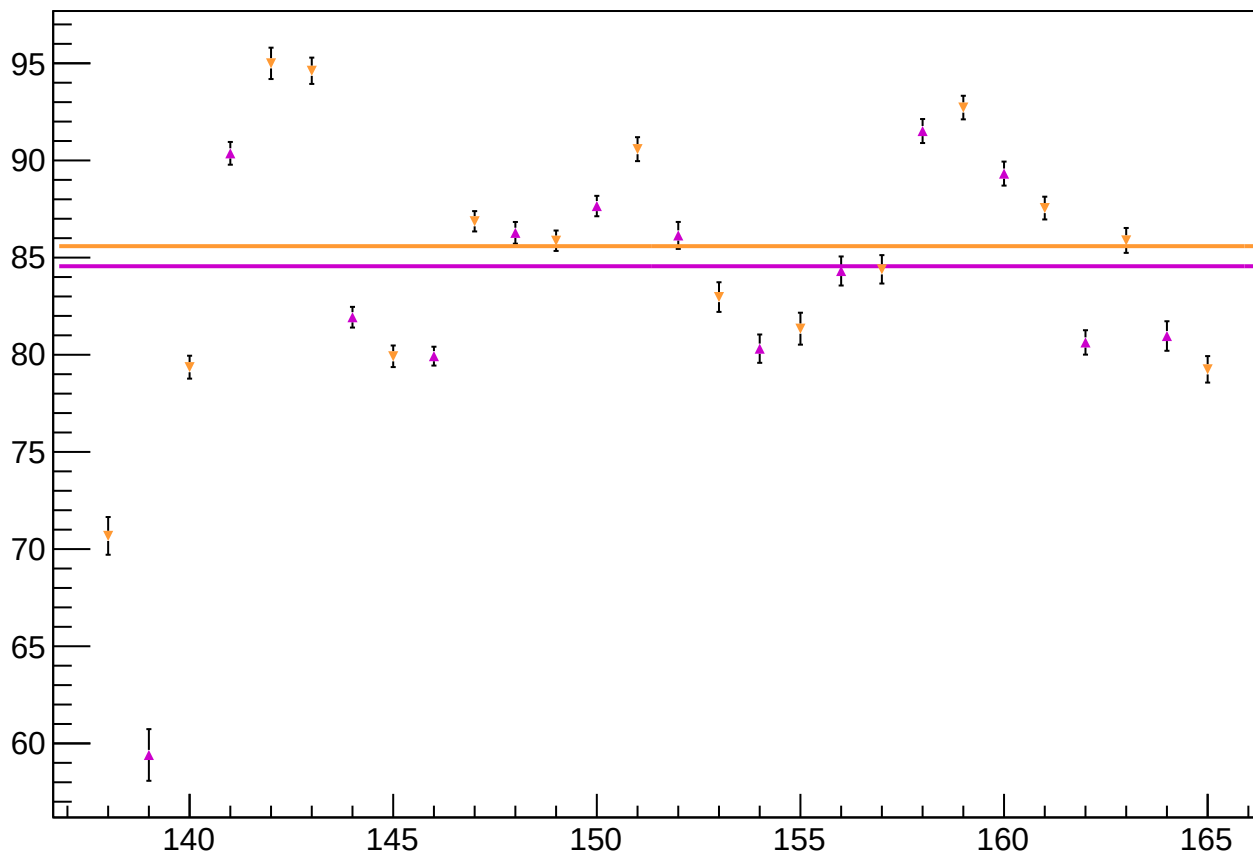
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.991+/-0.206 χ^2/NDF :2034.5/12

Out: -39.740+/-0.200 χ^2/NDF :1881.5/14

All: -40.348+/-0.143 χ^2/NDF : 3935.1/27

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: 85.589 $\pm$ 0.166 χ^2 /NDF:1114.1/14

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

Left In: 84.556 $\pm$ 0.173 χ^2 /NDF:902.7/12

Left: 85.093 $\pm$ 0.120 χ^2 /NDF: 2035.3/27

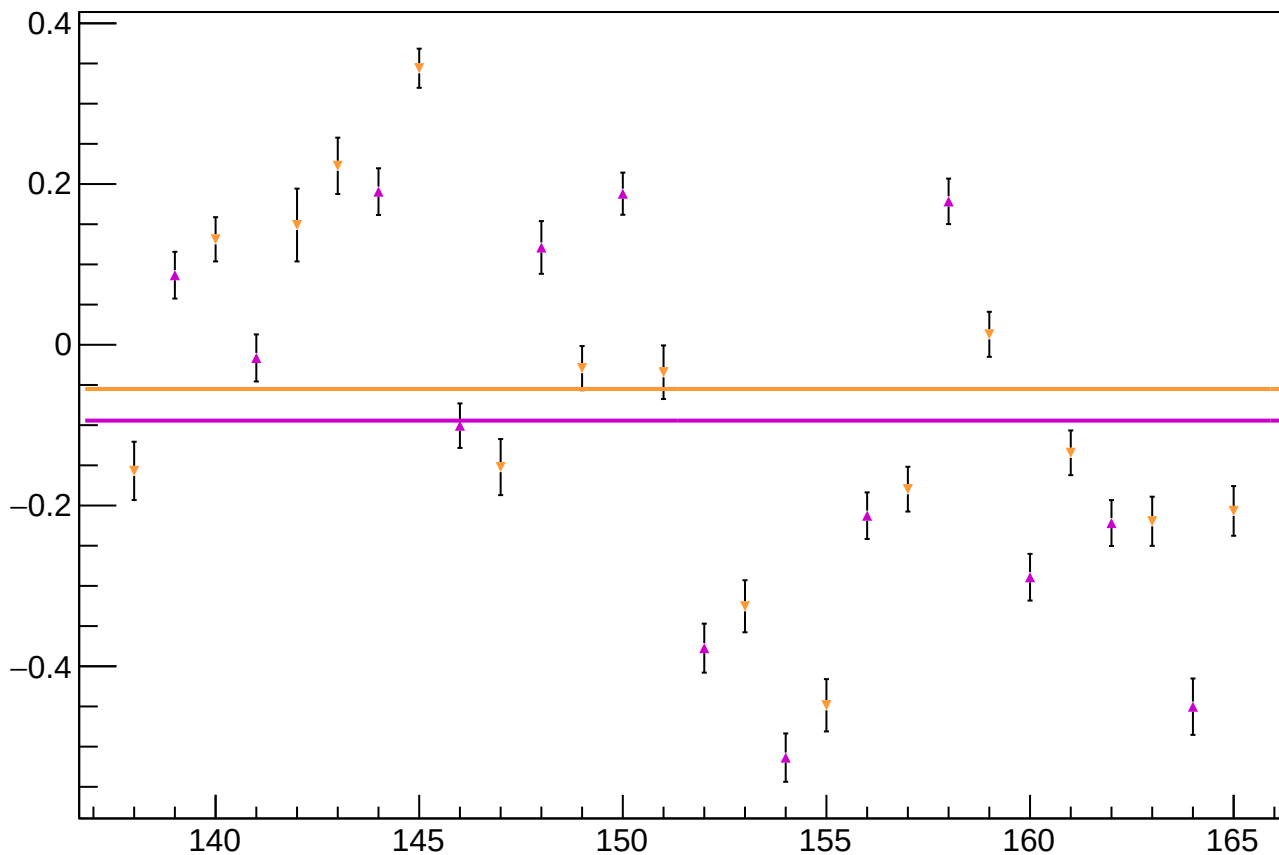
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 84.556 $\pm$ 0.173 χ^2 /NDF:902.7/12

Out: 85.589 $\pm$ 0.166 χ^2 /NDF:1114.1/14

All: 85.093 $\pm$ 0.120 χ^2 /NDF: 2035.3/27

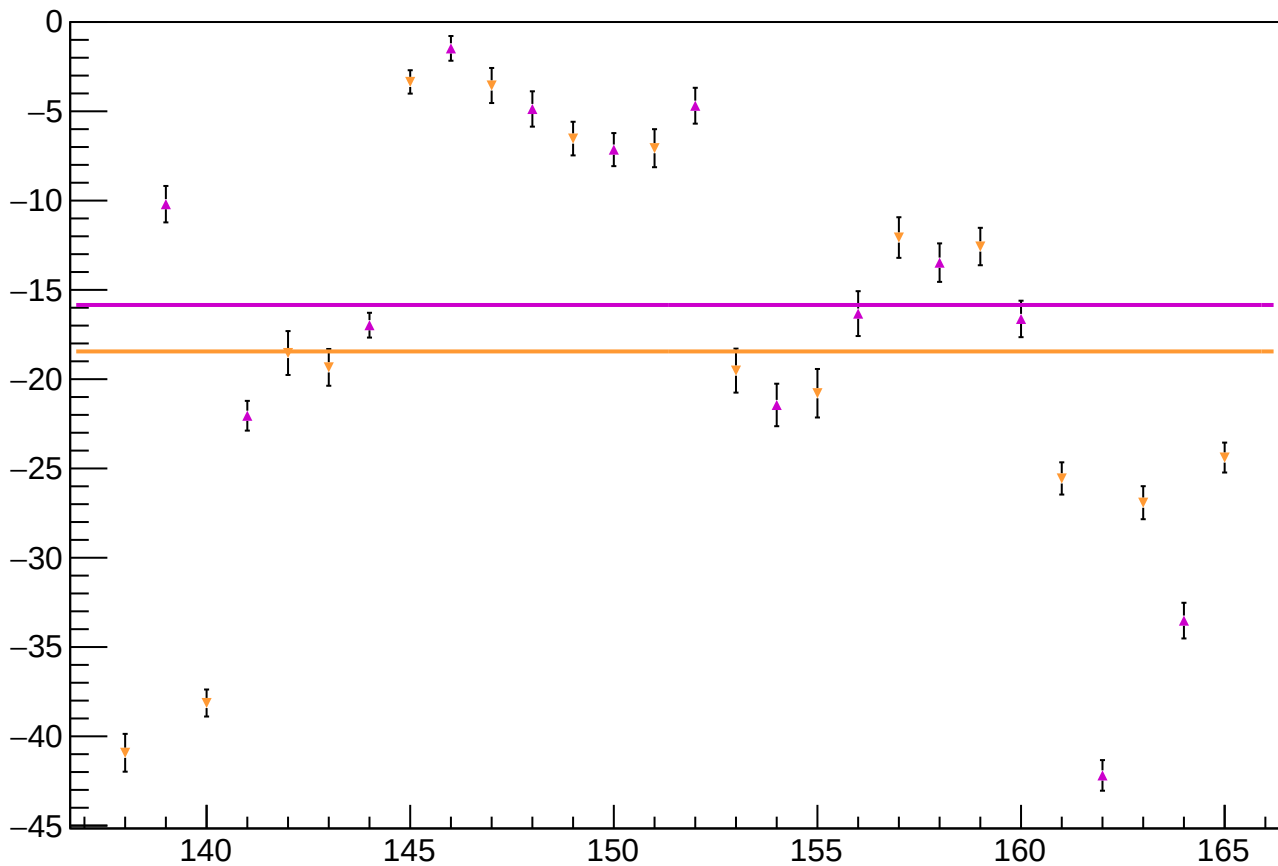
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.055+/-0.008 χ^2/NDF : 717.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.094+/-0.008 χ^2/NDF : 859.0/12

Left: -0.074+/-0.006 χ^2/NDF : 1588.7/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.094+/-0.008 χ^2/NDF : 859.0/12
 Out: -0.055+/-0.008 χ^2/NDF : 717.7/14
 All: -0.074+/-0.006 χ^2/NDF : 1588.7/27

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: -18.447 ± 0.247 χ^2/NDF : 2426.8/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -15.845 ± 0.256 χ^2/NDF : 2139.9/12

Left: -17.190 ± 0.178 χ^2/NDF : 4620.1/27

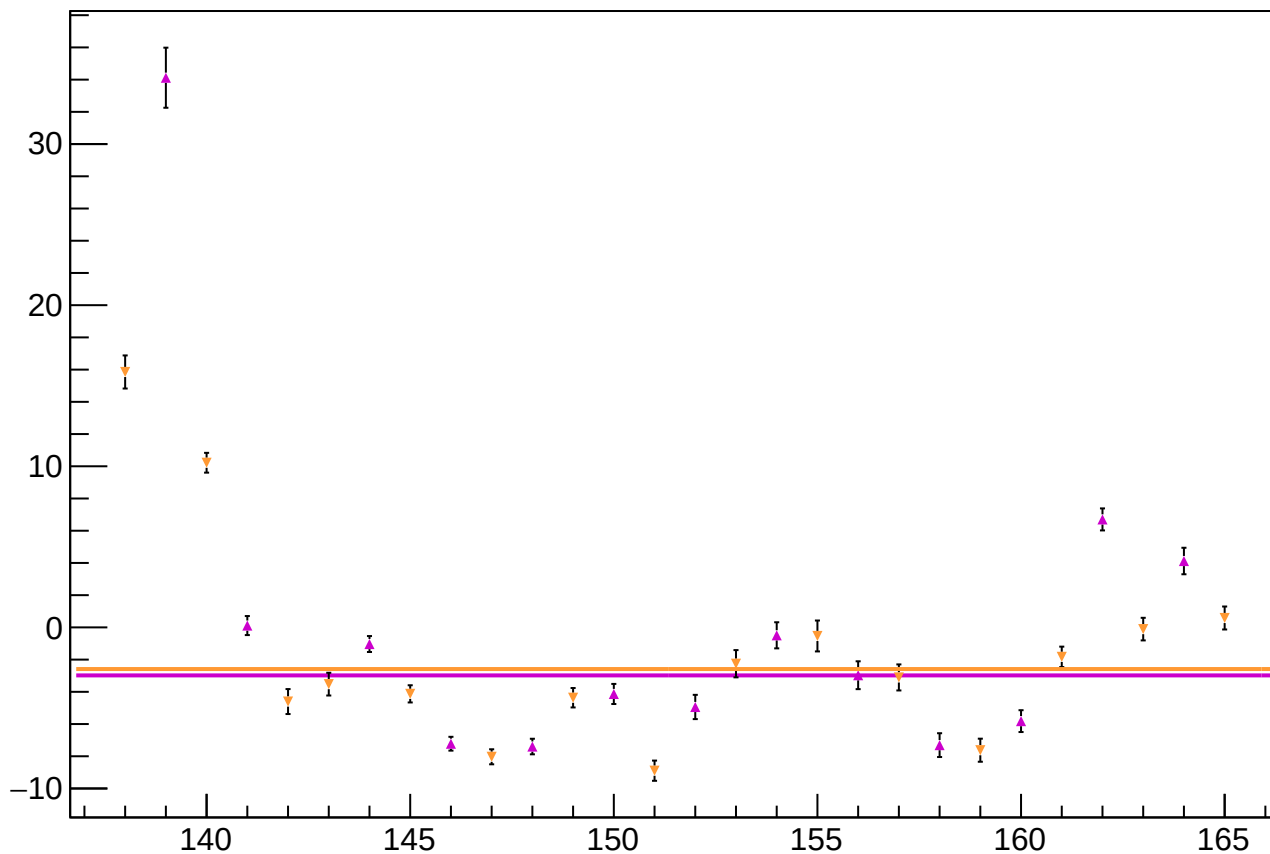
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -15.845 ± 0.256 χ^2/NDF : 2139.9/12

Out: -18.447 ± 0.247 χ^2/NDF : 2426.8/14

All: -17.190 ± 0.178 χ^2/NDF : 4620.1/27

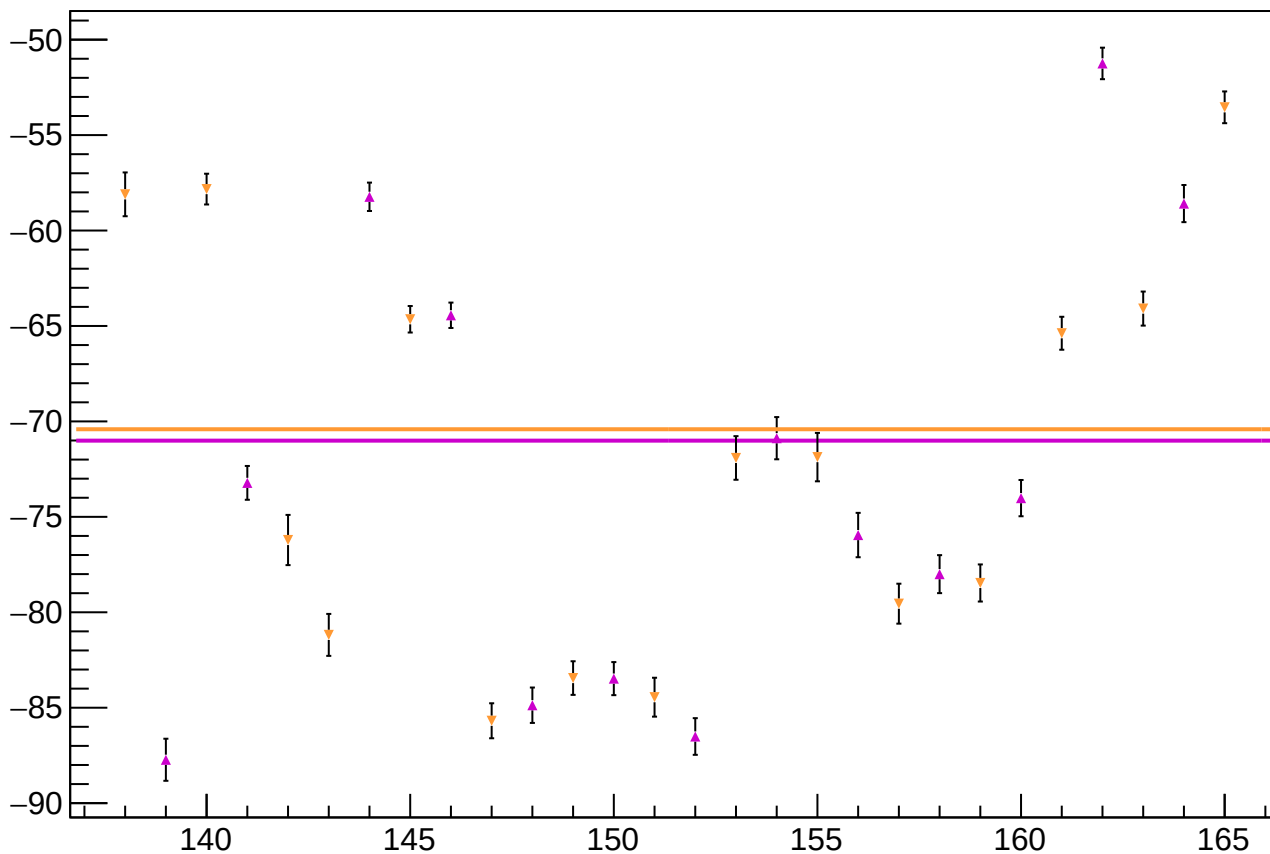
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.586+/-0.174 χ^2/NDF :1107.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.981+/-0.177 χ^2/NDF :966.8/12

Left: -2.779+/-0.124 χ^2/NDF : 2077.3/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.981+/-0.177 χ^2/NDF :966.8/12
 Out: -2.586+/-0.174 χ^2/NDF :1107.9/14
 All: -2.779+/-0.124 χ^2/NDF : 2077.3/27

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: -70.411+/-0.245 χ^2/NDF :1872.6/14

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

Left In: -71.008+/-0.250 χ^2/NDF :2133.7/12

Left: -70.703+/-0.175 χ^2/NDF : 4009.2/27

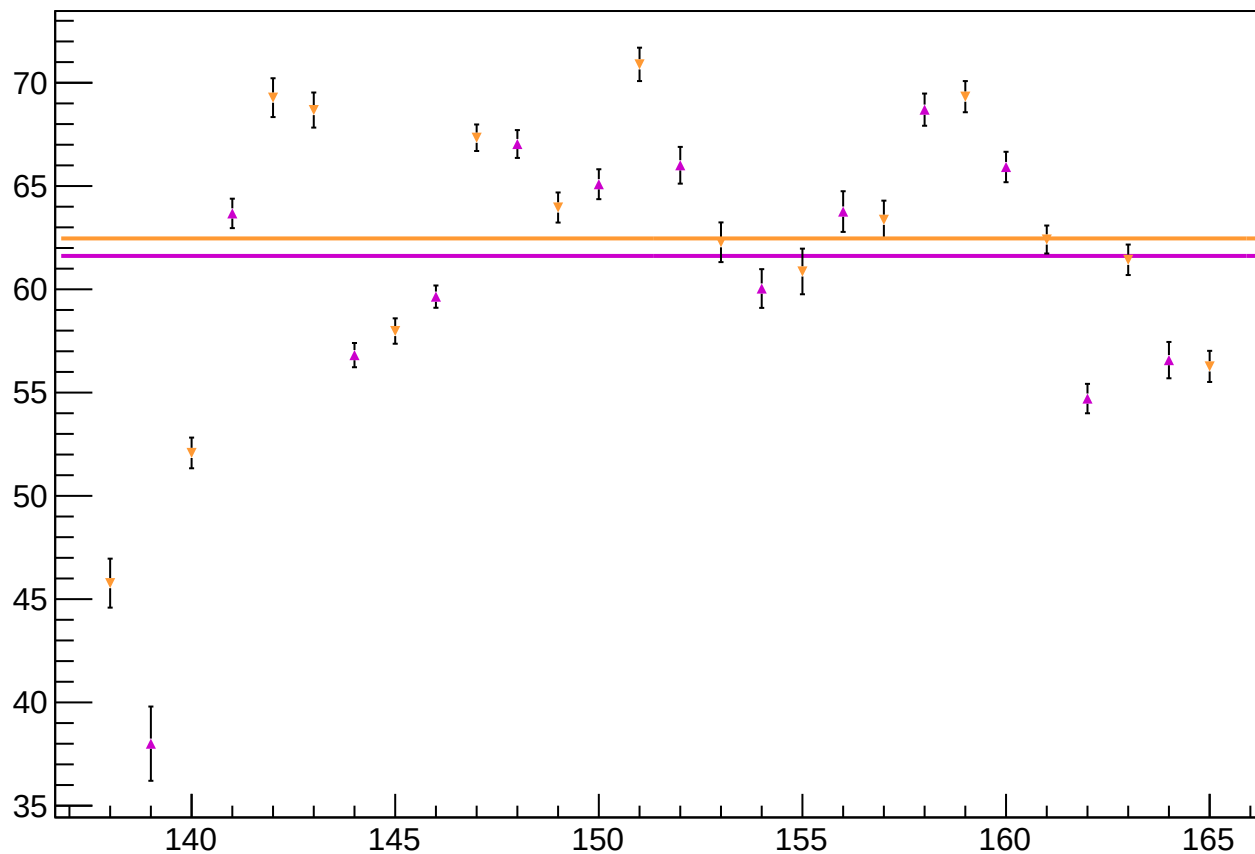
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.008+/-0.250 χ^2/NDF :2133.7/12

Out: -70.411+/-0.245 χ^2/NDF :1872.6/14

All: -70.703+/-0.175 χ^2/NDF : 4009.2/27

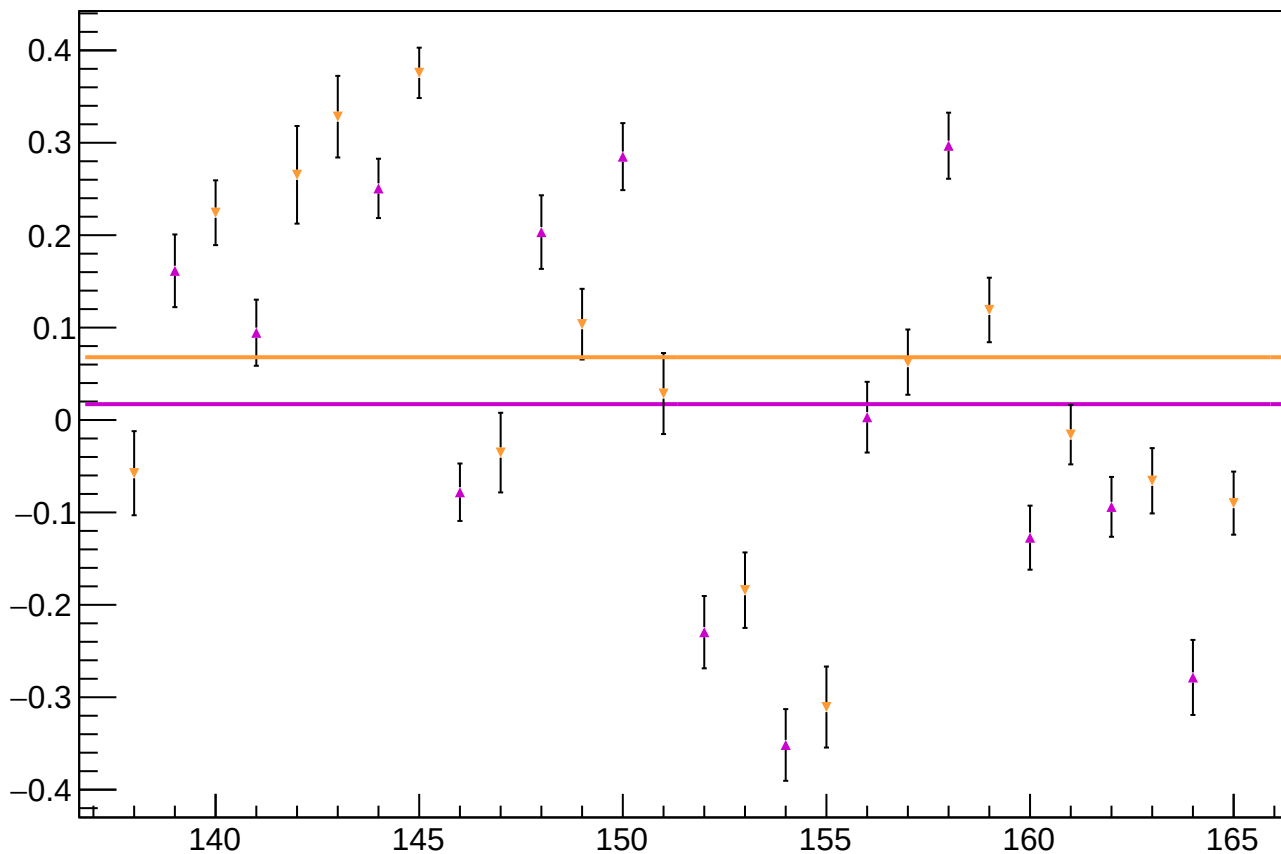
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 62.463+/-0.204 χ^2/NDF : 878.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 61.616+/-0.209 χ^2/NDF : 624.5/12

Left: 62.051+/-0.146 χ^2/NDF : 1511.6/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 61.616+/-0.209 χ^2/NDF : 624.5/12
 Out: 62.463+/-0.204 χ^2/NDF : 878.6/14
 All: 62.051+/-0.146 χ^2/NDF : 1511.6/27

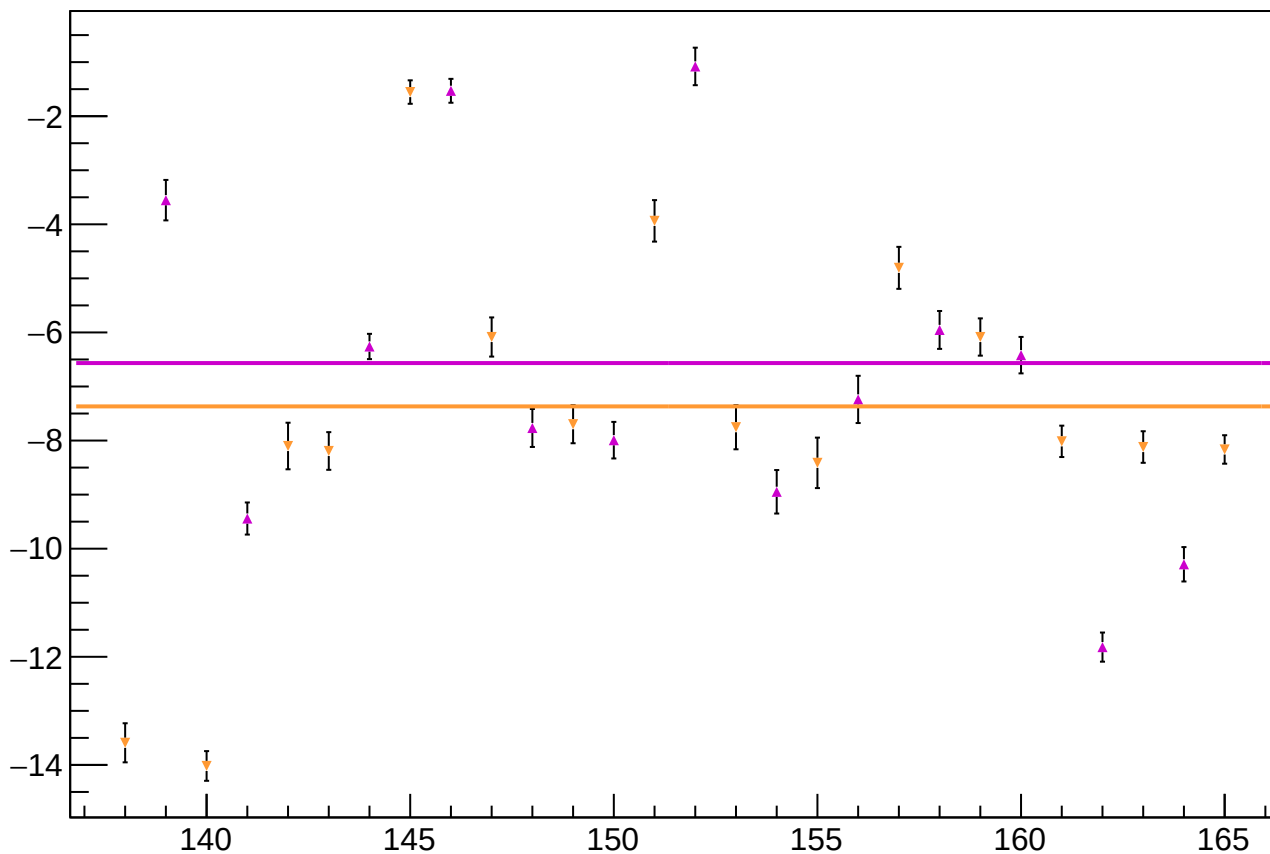
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.068+/-0.010 χ^2/NDF :368.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.017+/-0.010 χ^2/NDF :430.5/12

Left: 0.043+/-0.007 χ^2/NDF : 812.2/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.017+/-0.010 χ^2/NDF :430.5/12
 Out: 0.068+/-0.010 χ^2/NDF :368.5/14
 All: 0.043+/-0.007 χ^2/NDF : 812.2/27

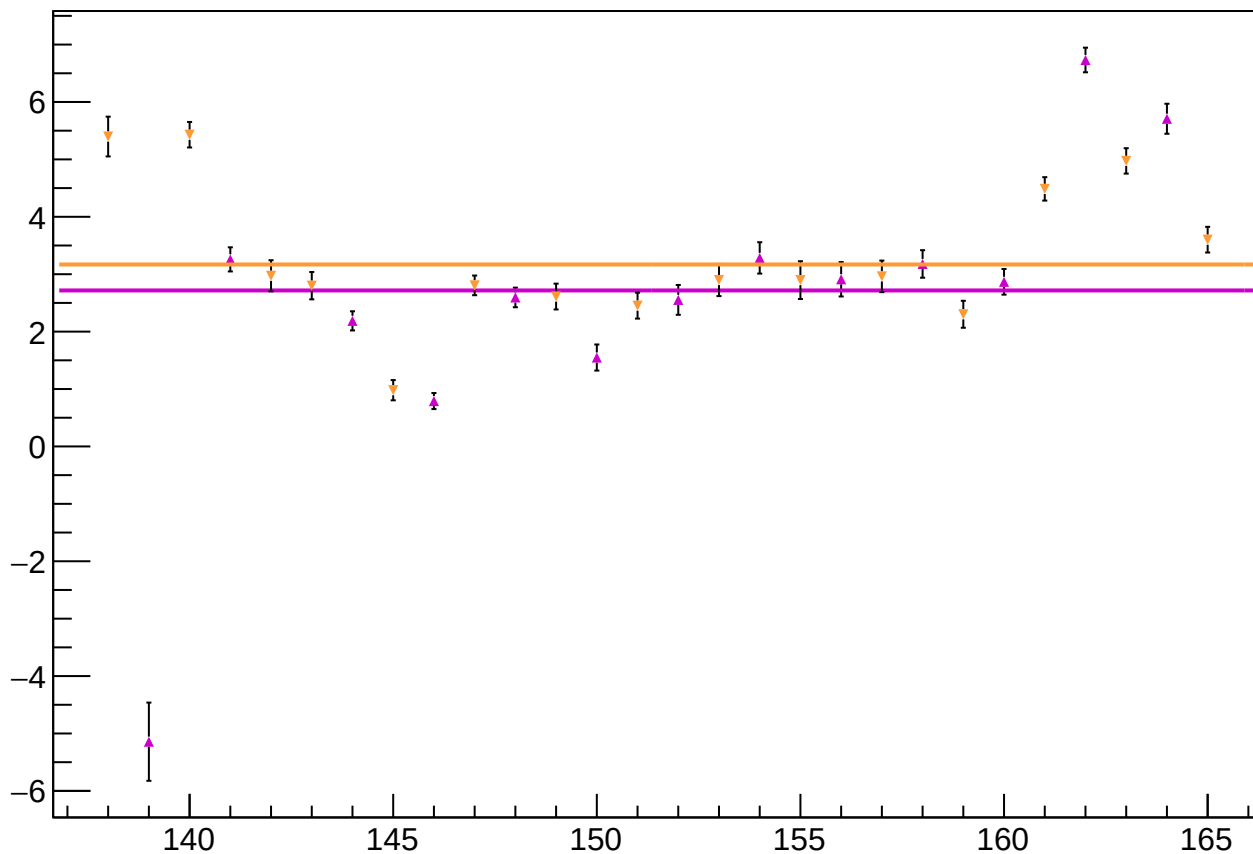
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.368+/-0.084 χ^2/NDF :1786.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.567+/-0.086 χ^2/NDF :1517.3/12

Left: -6.978+/-0.060 χ^2/NDF : 3348.3/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.567+/-0.086 χ^2/NDF :1517.3/12
 Out: -7.368+/-0.084 χ^2/NDF :1786.6/14
 All: -6.978+/-0.060 χ^2/NDF : 3348.3/27

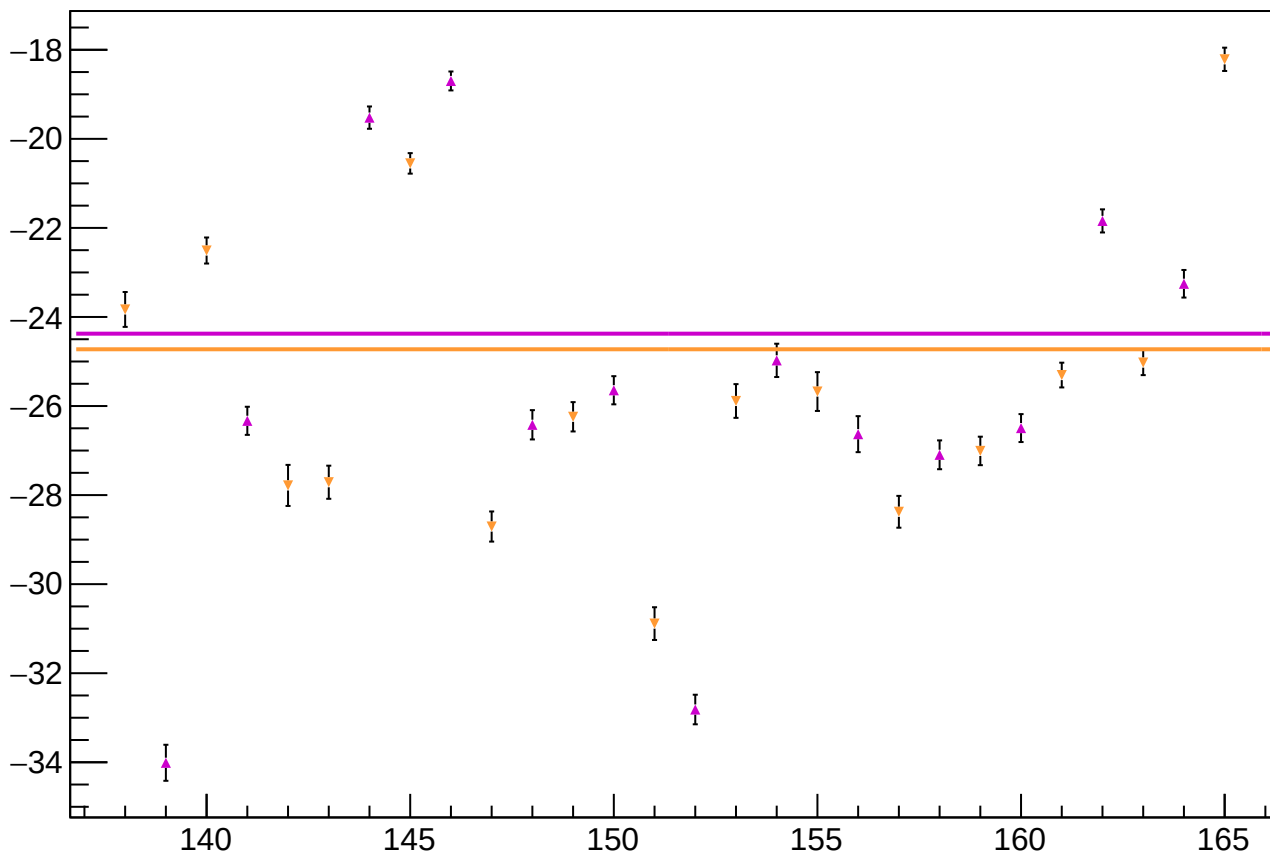
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 3.169 $\pm$ 0.059 χ^2/NDF :450.5/14
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 2.717 $\pm$ 0.060 χ^2/NDF :857.8/12

Left: 2.945 $\pm$ 0.042 χ^2/NDF : 1337.0/27
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 2.717 $\pm$ 0.060 χ^2/NDF :857.8/12
 Out: 3.169 $\pm$ 0.059 χ^2/NDF :450.5/14
 All: 2.945 $\pm$ 0.042 χ^2/NDF : 1337.0/27

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



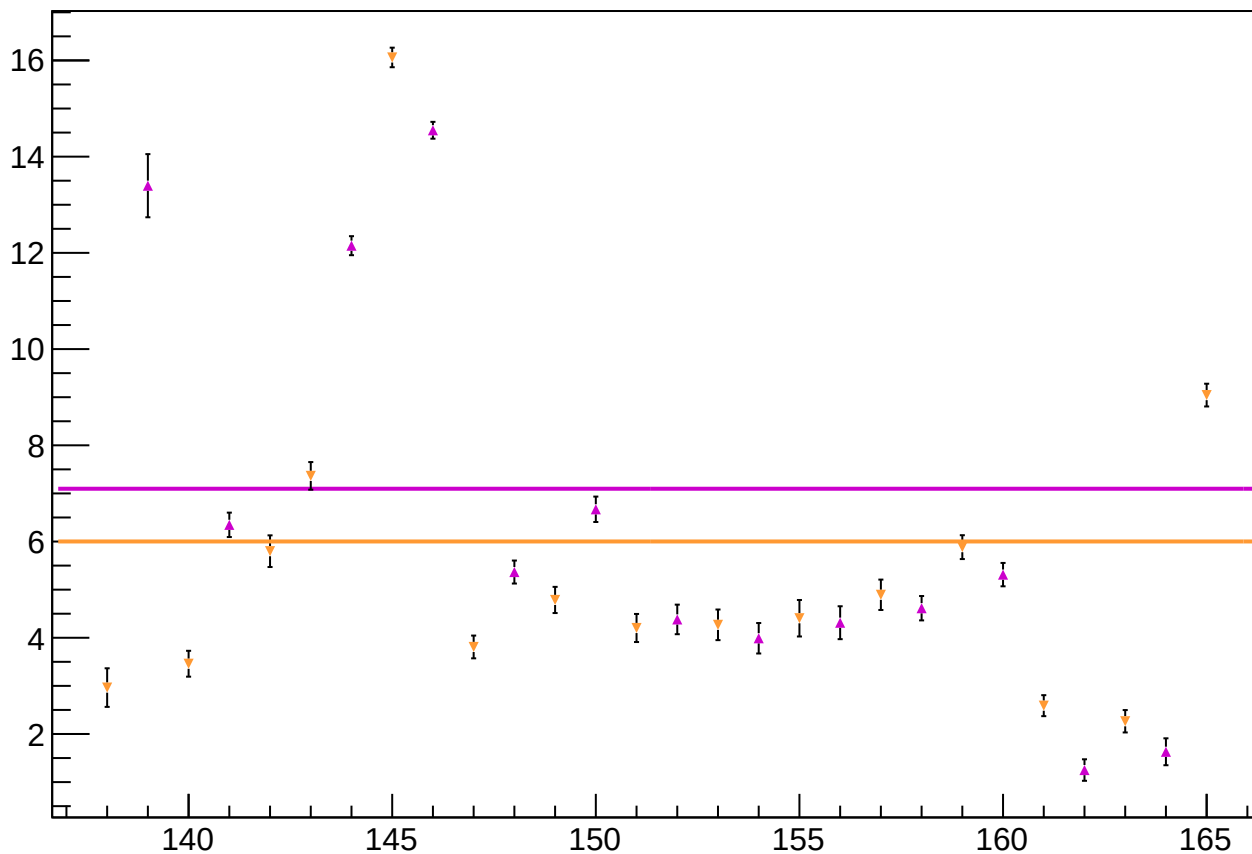
Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: -24.726+/-0.083 χ^2 /NDF:1734.5/14
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: -24.375+/-0.084 χ^2 /NDF:2653.1/12

Left: -24.553+/-0.059 χ^2 /NDF: 4396.3/27
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -24.375+/-0.084 χ^2 /NDF:2653.1/12
 Out: -24.726+/-0.083 χ^2 /NDF:1734.5/14

All: -24.553+/-0.059 χ^2 /NDF: 4396.3/27

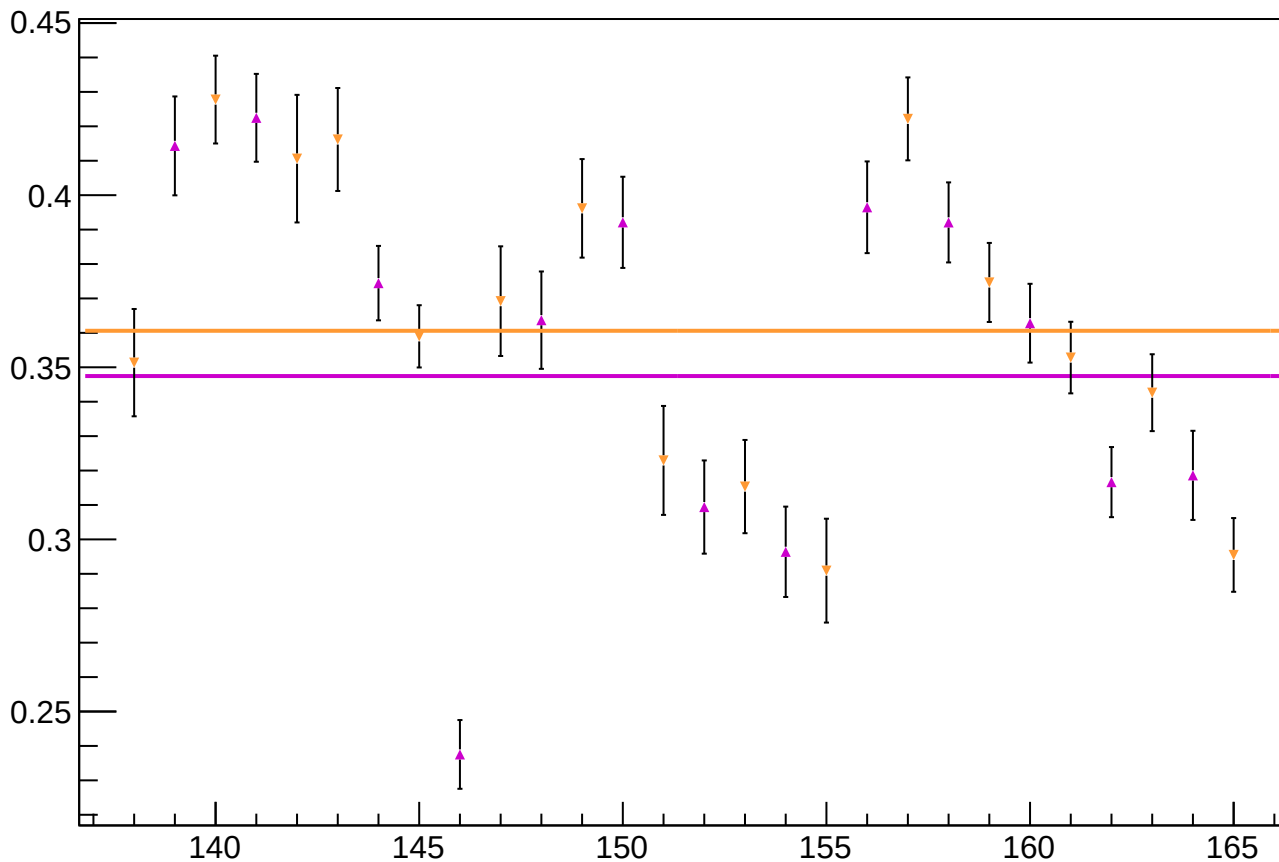
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.002+/-0.069 χ^2/NDF :3492.4/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.097+/-0.070 χ^2/NDF :4081.1/12

Left: 6.541+/-0.049 χ^2/NDF : 7697.1/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.097+/-0.070 χ^2/NDF :4081.1/12
 Out: 6.002+/-0.069 χ^2/NDF :3492.4/14
 All: 6.541+/-0.049 χ^2/NDF : 7697.1/27

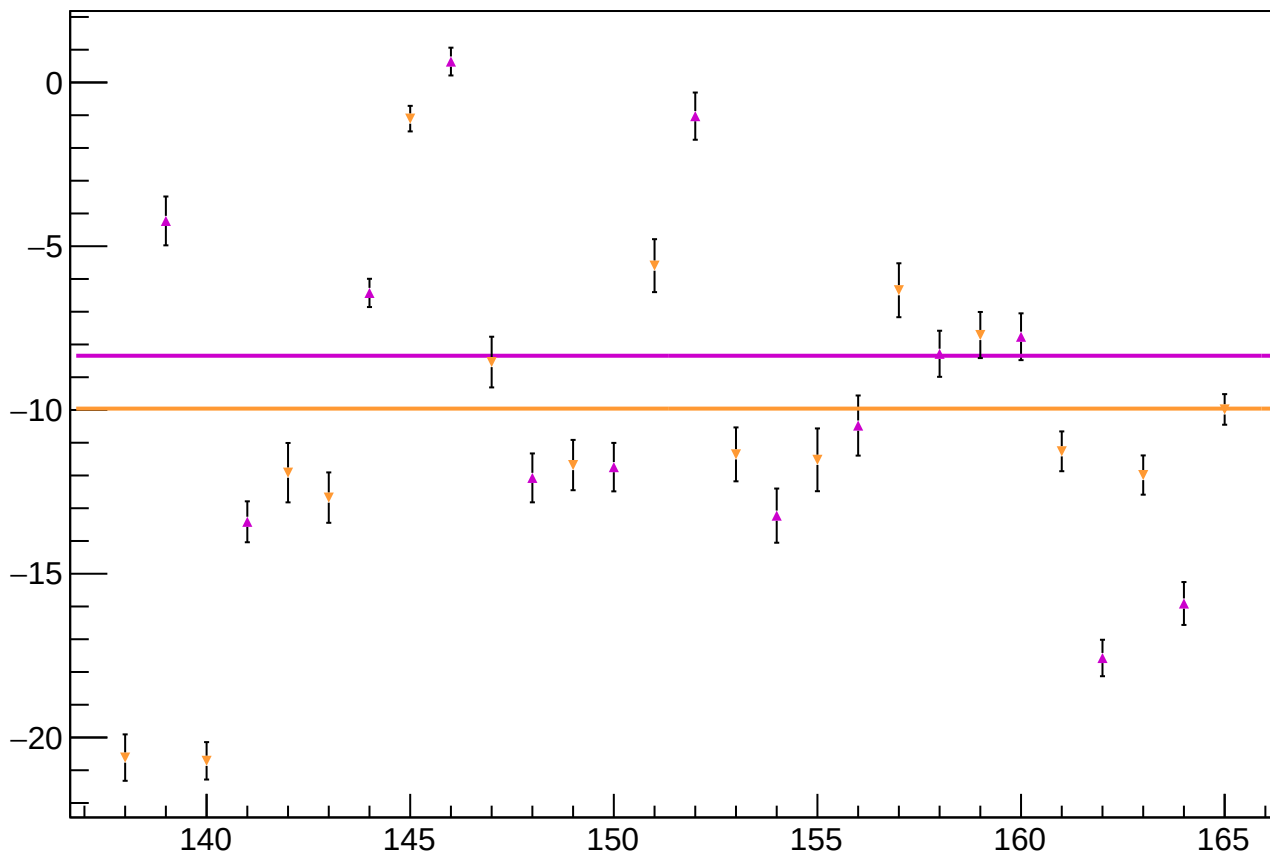
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.361 $\pm$ 0.003 χ^2 /NDF:161.5/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.347 $\pm$ 0.003 χ^2 /NDF:263.5/12

Left: 0.354 $\pm$ 0.002 χ^2 /NDF: 432.8/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.347 $\pm$ 0.003 χ^2 /NDF:263.5/12
 Out: 0.361 $\pm$ 0.003 χ^2 /NDF:161.5/14
 All: 0.354 $\pm$ 0.002 χ^2 /NDF: 432.8/27

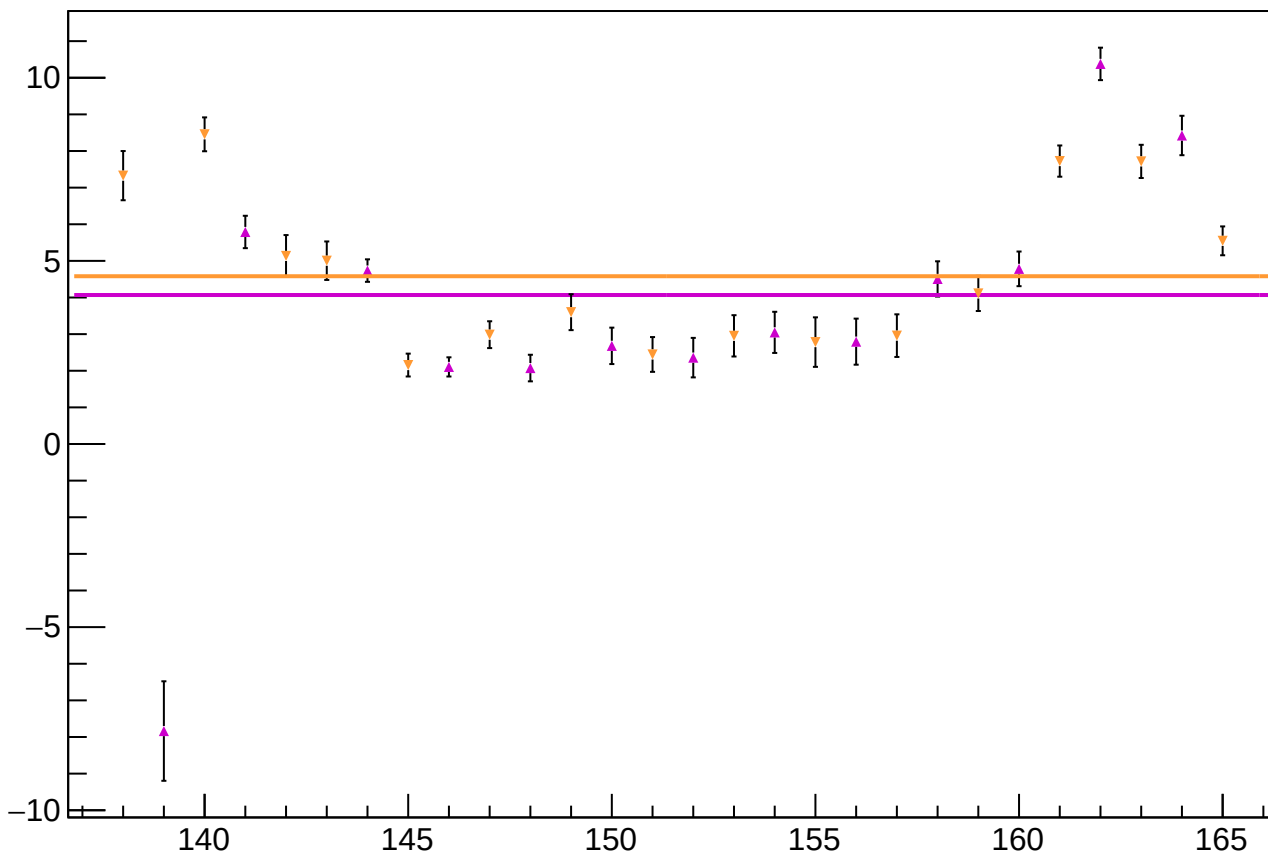
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.958+/-0.168 χ^2/NDF :1201.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.344+/-0.174 χ^2/NDF :1162.5/12

Left: -9.181+/-0.121 χ^2/NDF : 2408.4/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.344+/-0.174 χ^2/NDF :1162.5/12
 Out: -9.958+/-0.168 χ^2/NDF :1201.3/14
 All: -9.181+/-0.121 χ^2/NDF : 2408.4/27

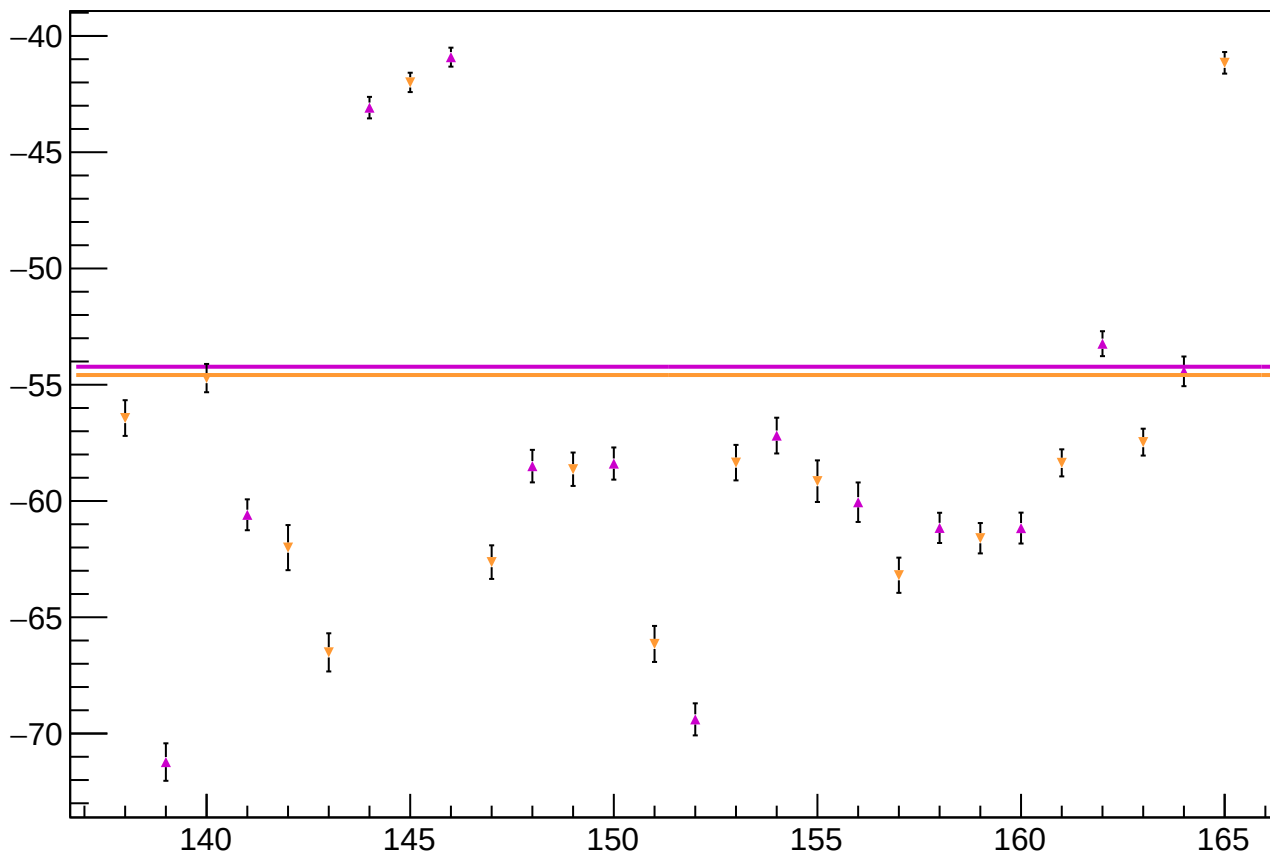
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.581+/-0.120 χ^2/NDF :324.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.068+/-0.120 χ^2/NDF :479.7/12

Left: 4.325+/-0.085 χ^2/NDF : 813.4/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.068+/-0.120 χ^2/NDF :479.7/12
 Out: 4.581+/-0.120 χ^2/NDF :324.6/14
 All: 4.325+/-0.085 χ^2/NDF : 813.4/27

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -54.582+/-0.167 χ^2/NDF : 2768.7/14

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

Left In: -54.226+/-0.171 χ^2/NDF : 3028.6/12

Left: -54.408+/-0.119 χ^2/NDF : 5799.5/27

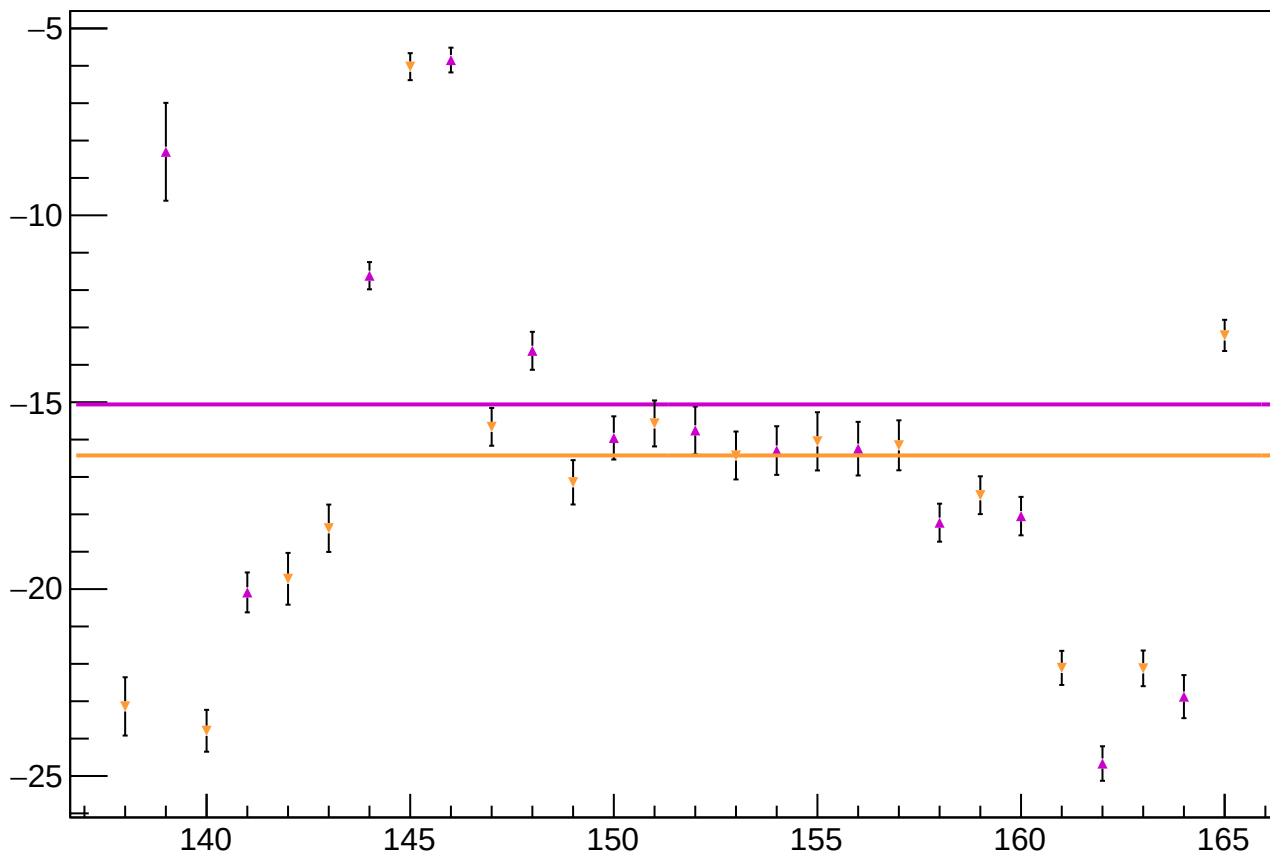
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -54.226+/-0.171 χ^2/NDF : 3028.6/12

Out: -54.582+/-0.167 χ^2/NDF : 2768.7/14

All: -54.408+/-0.119 χ^2/NDF : 5799.5/27

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



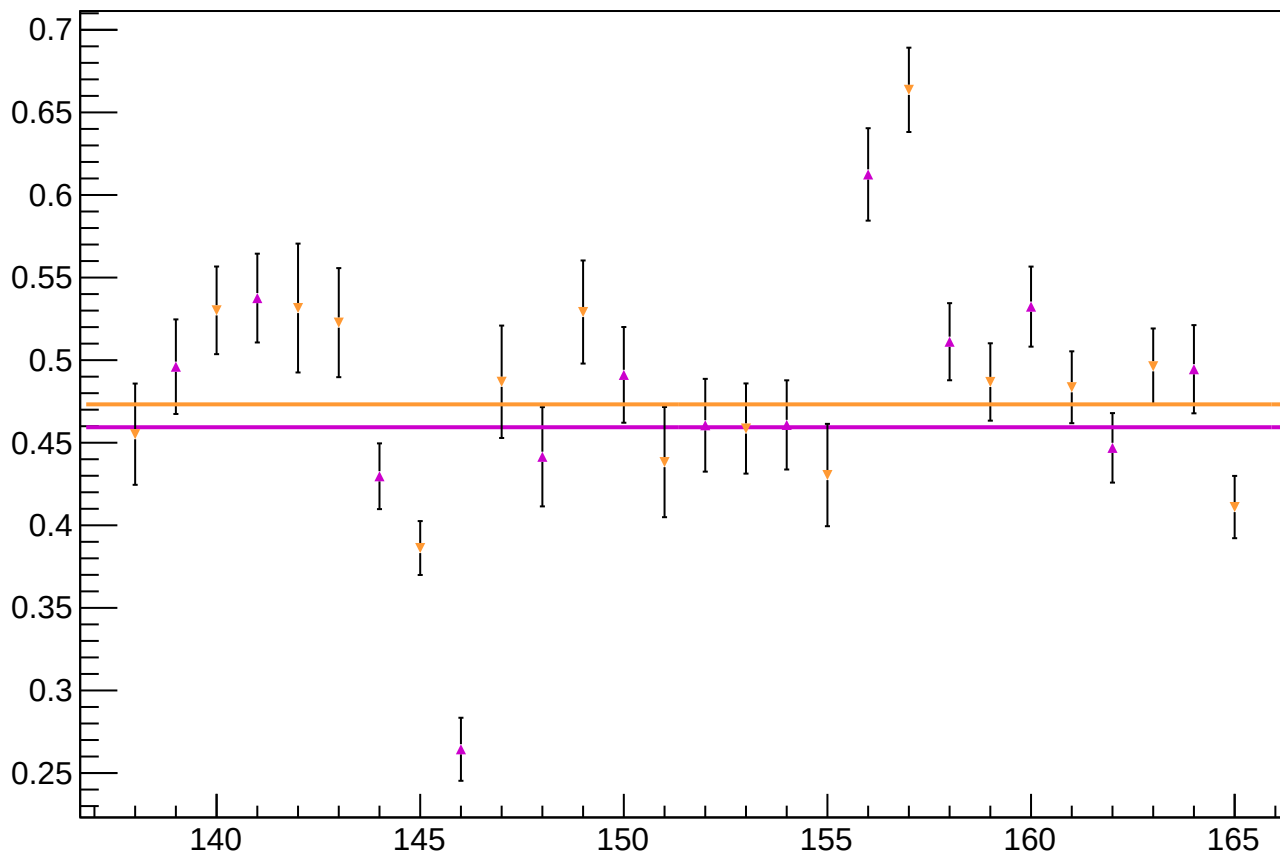
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -16.424+/-0.139 χ^2/NDF :1477.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -15.059+/-0.142 χ^2/NDF :1686.2/12

Left: -15.755+/-0.099 χ^2/NDF : 3211.3/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.059+/-0.142 χ^2/NDF :1686.2/12
 Out: -16.424+/-0.139 χ^2/NDF :1477.9/14

All: -15.755+/-0.099 χ^2/NDF : 3211.3/27

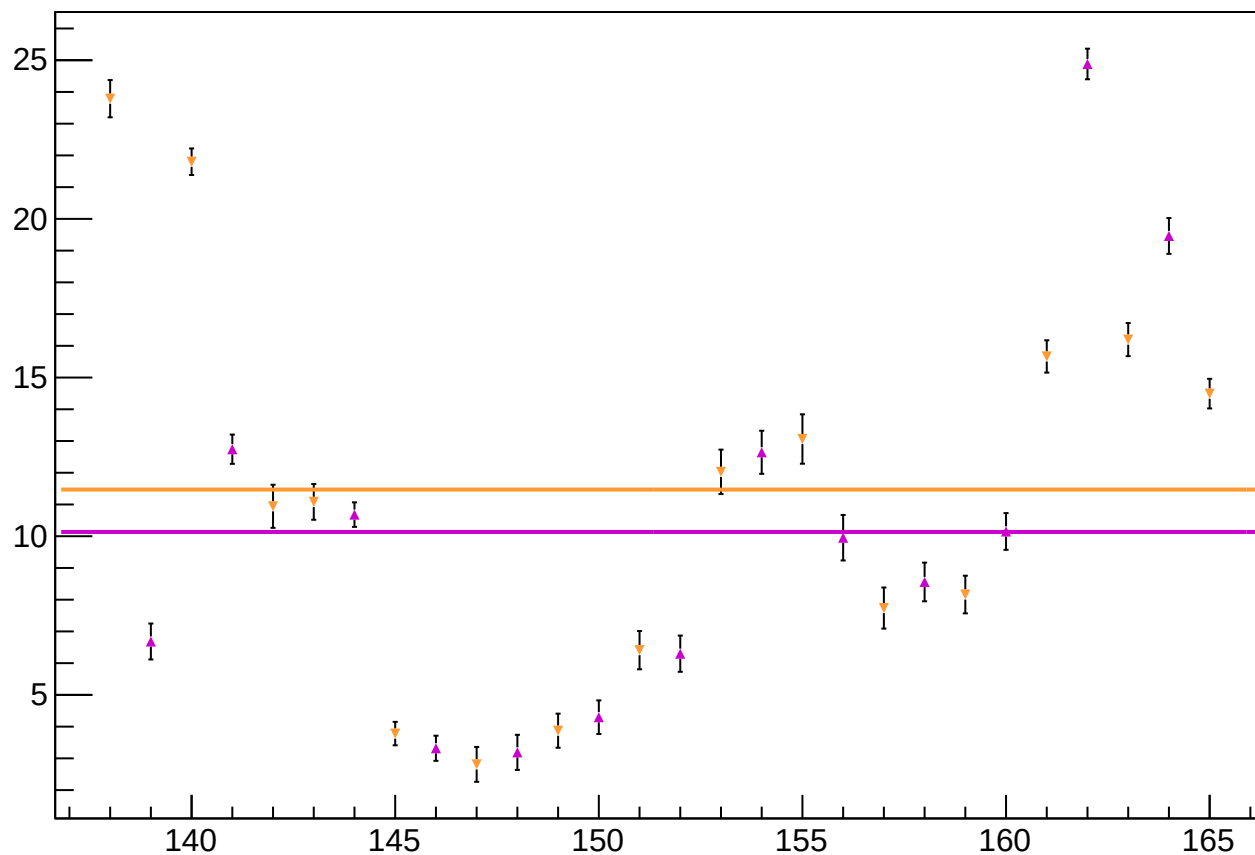
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.473 $\pm$ 0.007 χ^2 /NDF:112.6/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.459 $\pm$ 0.007 χ^2 /NDF:164.3/12

Left: 0.467 $\pm$ 0.005 χ^2 /NDF: 279.0/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.459 $\pm$ 0.007 χ^2 /NDF:164.3/12
 Out: 0.473 $\pm$ 0.007 χ^2 /NDF:112.6/14
 All: 0.467 $\pm$ 0.005 χ^2 /NDF: 279.0/27

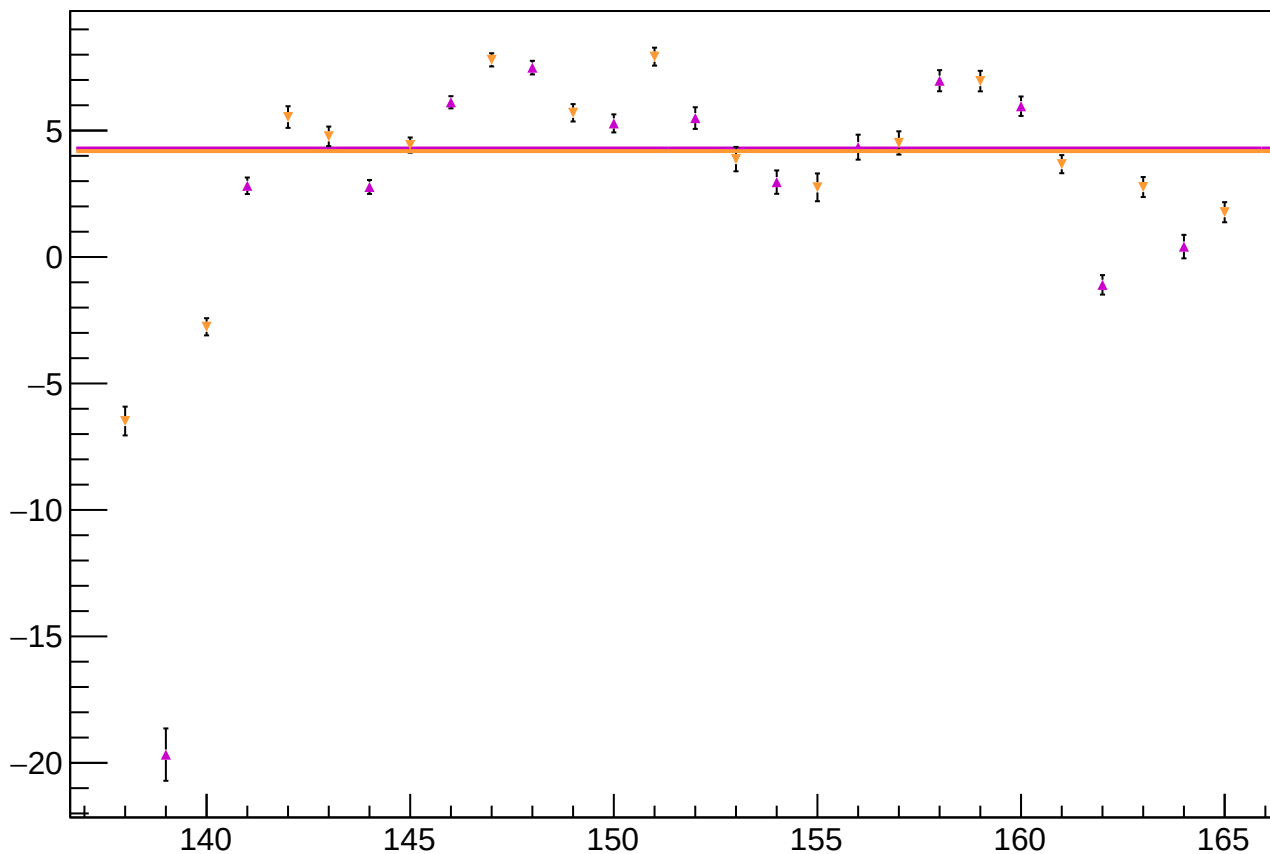
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 11.470+/-0.139 χ^2/NDF :2265.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.134+/-0.144 χ^2/NDF :1921.8/12

Left: 10.827+/-0.100 χ^2/NDF : 4231.6/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 10.134+/-0.144 χ^2/NDF :1921.8/12
 Out: 11.470+/-0.139 χ^2/NDF :2265.3/14
 All: 10.827+/-0.100 χ^2/NDF : 4231.6/27

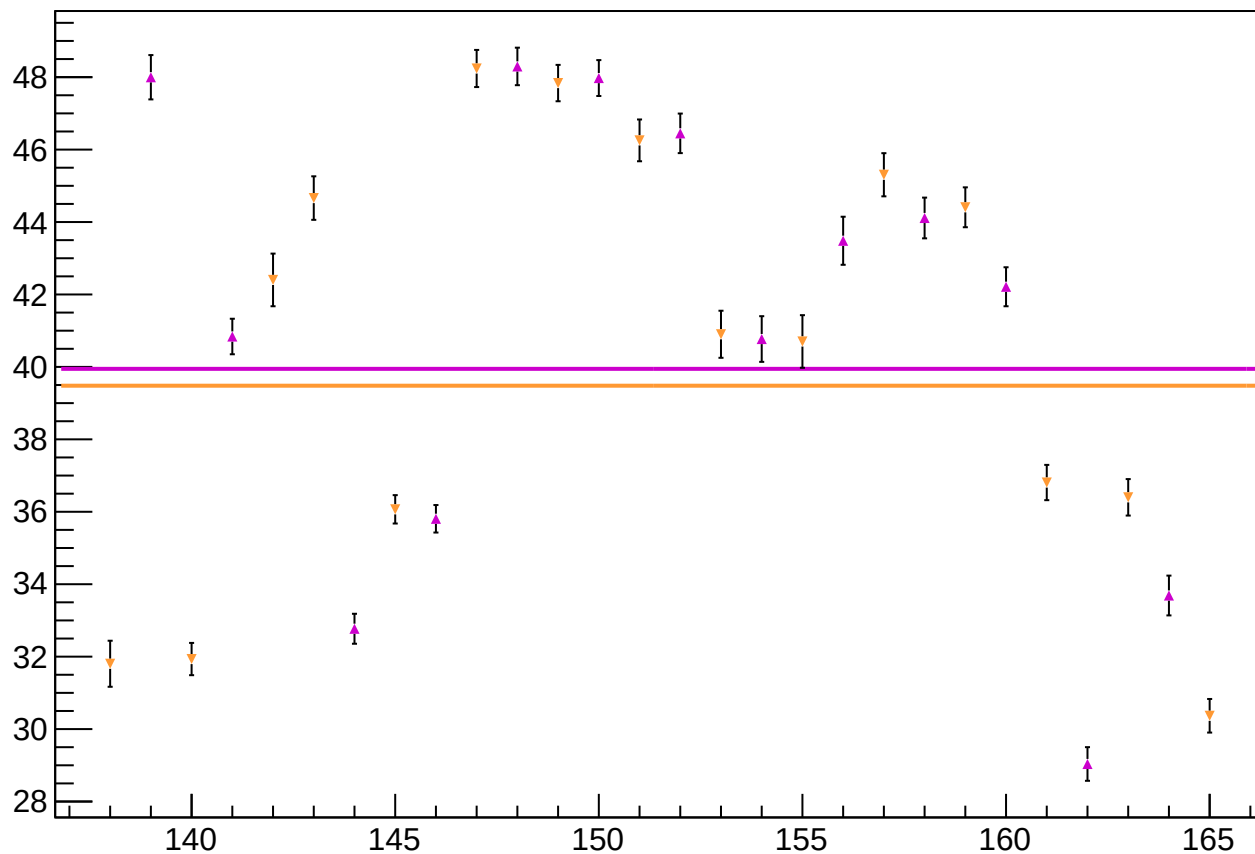
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.188 $\pm$ 0.098 χ^2 /NDF:1210.7/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.289 $\pm$ 0.100 χ^2 /NDF:1135.0/12

Left: 4.237 $\pm$ 0.070 χ^2 /NDF: 2346.2/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.289 $\pm$ 0.100 χ^2 /NDF:1135.0/12
 Out: 4.188 $\pm$ 0.098 χ^2 /NDF:1210.7/14
 All: 4.237 $\pm$ 0.070 χ^2 /NDF: 2346.2/27

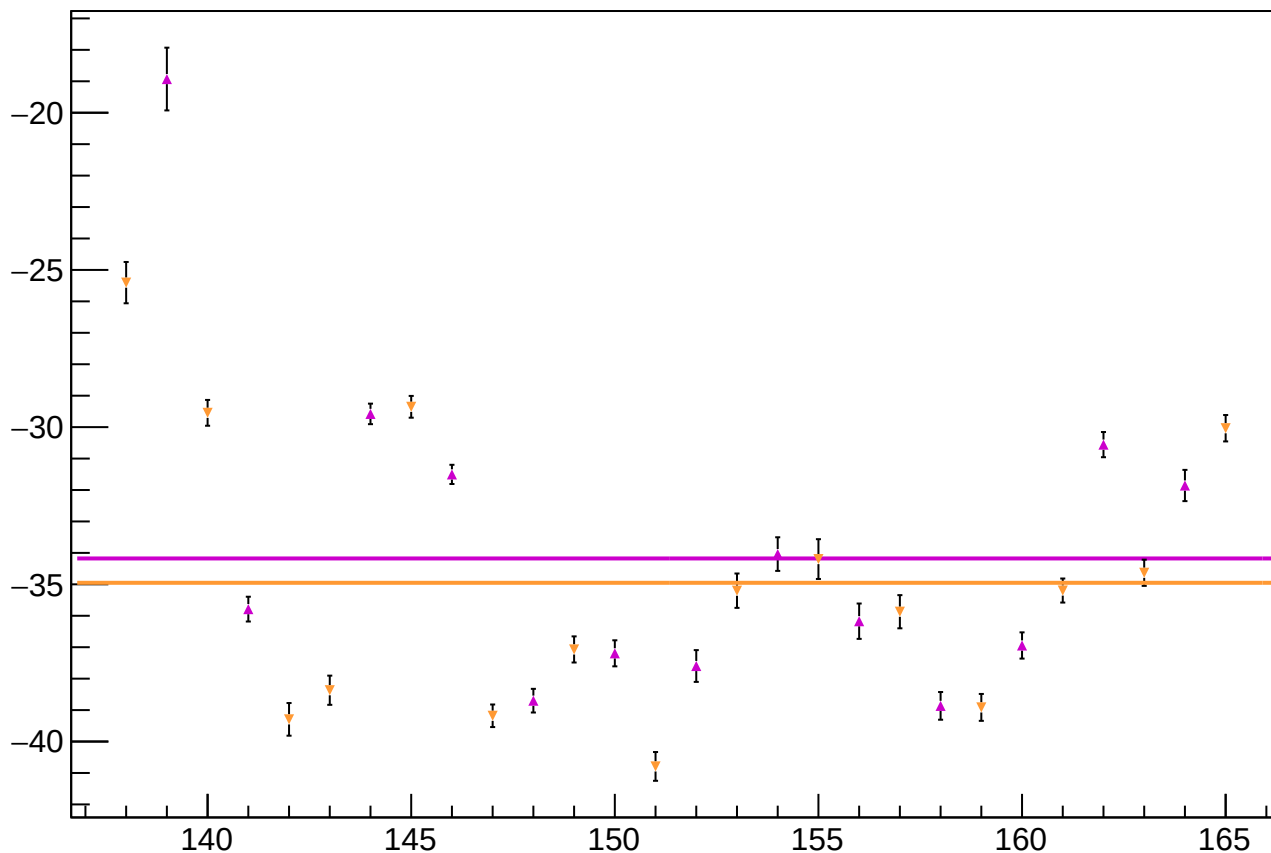
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 39.481+/-0.138 χ^2/NDF :1942.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 39.946+/-0.141 χ^2/NDF :2044.7/12

Left: 39.708+/-0.099 χ^2/NDF : 3992.9/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 39.946+/-0.141 χ^2/NDF :2044.7/12
 Out: 39.481+/-0.138 χ^2/NDF :1942.6/14
 All: 39.708+/-0.099 χ^2/NDF : 3992.9/27

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: -34.951+/-0.114 χ^2/NDF :1326.0/14

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

Left In: -34.177+/-0.118 χ^2/NDF :1042.2/12

Left: -34.575+/-0.082 χ^2/NDF : 2390.4/27

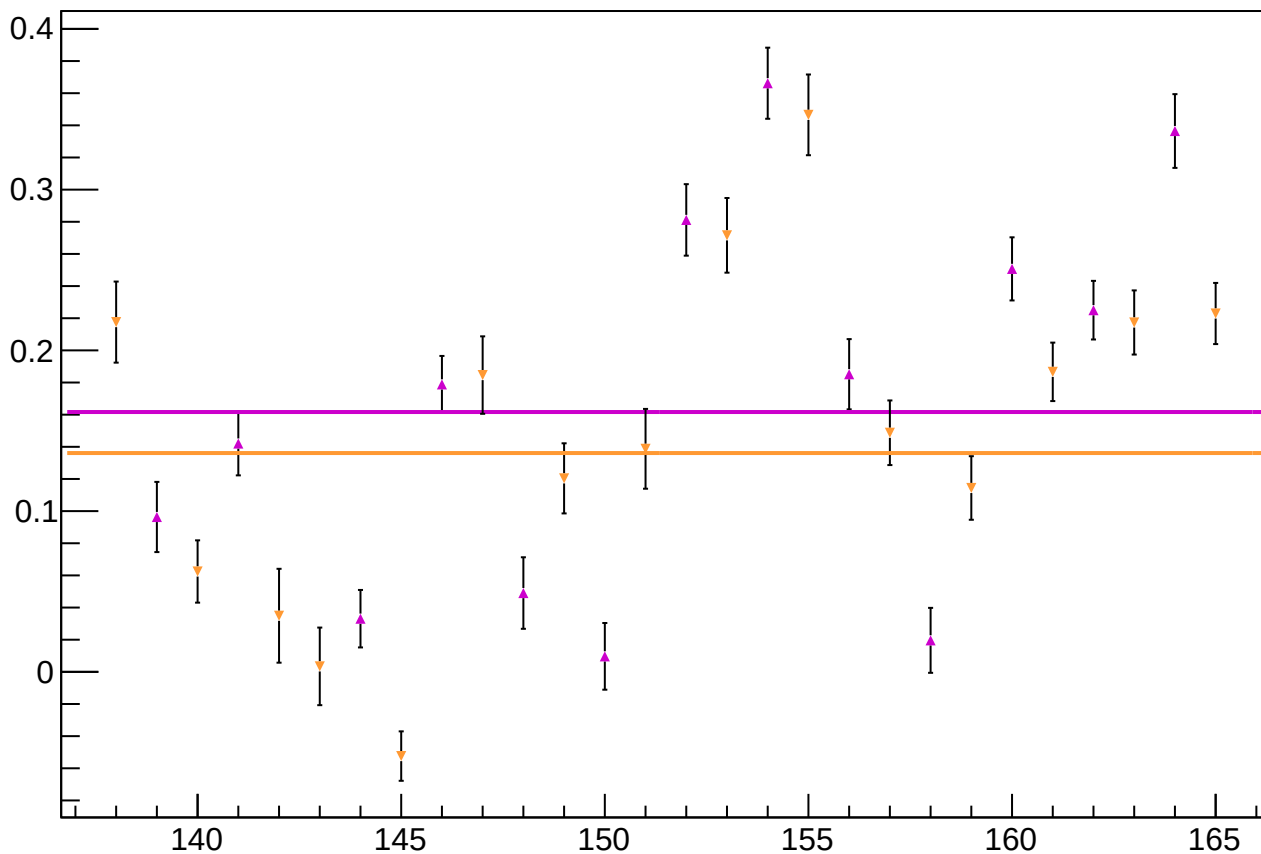
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.177+/-0.118 χ^2/NDF :1042.2/12

Out: -34.951+/-0.114 χ^2/NDF :1326.0/14

All: -34.575+/-0.082 χ^2/NDF : 2390.4/27

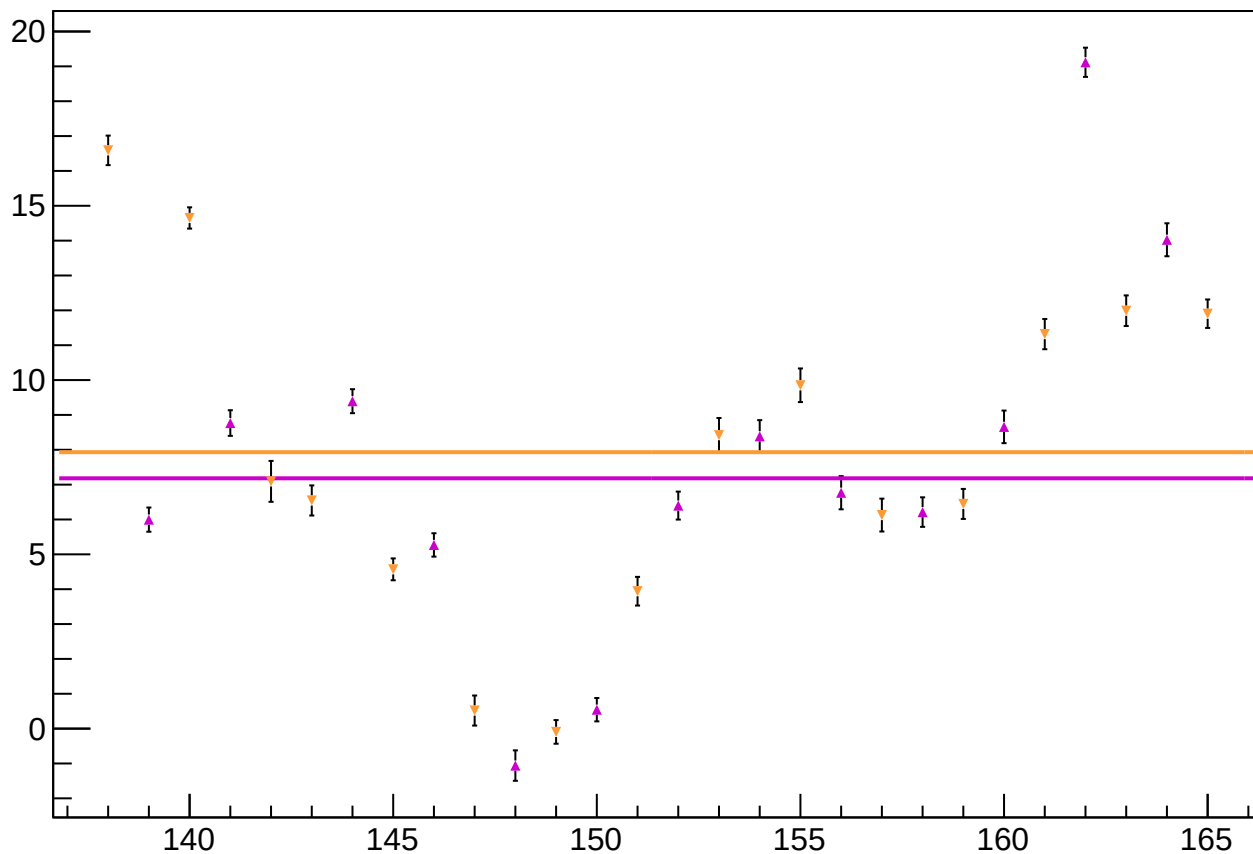
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.136 $\pm$ 0.005 χ^2 /NDF:372.9/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.162 $\pm$ 0.006 χ^2 /NDF:397.6/12

Left: 0.148 $\pm$ 0.004 χ^2 /NDF: 781.0/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.162 $\pm$ 0.006 χ^2 /NDF:397.6/12
 Out: 0.136 $\pm$ 0.005 χ^2 /NDF:372.9/14
 All: 0.148 $\pm$ 0.004 χ^2 /NDF: 781.0/27

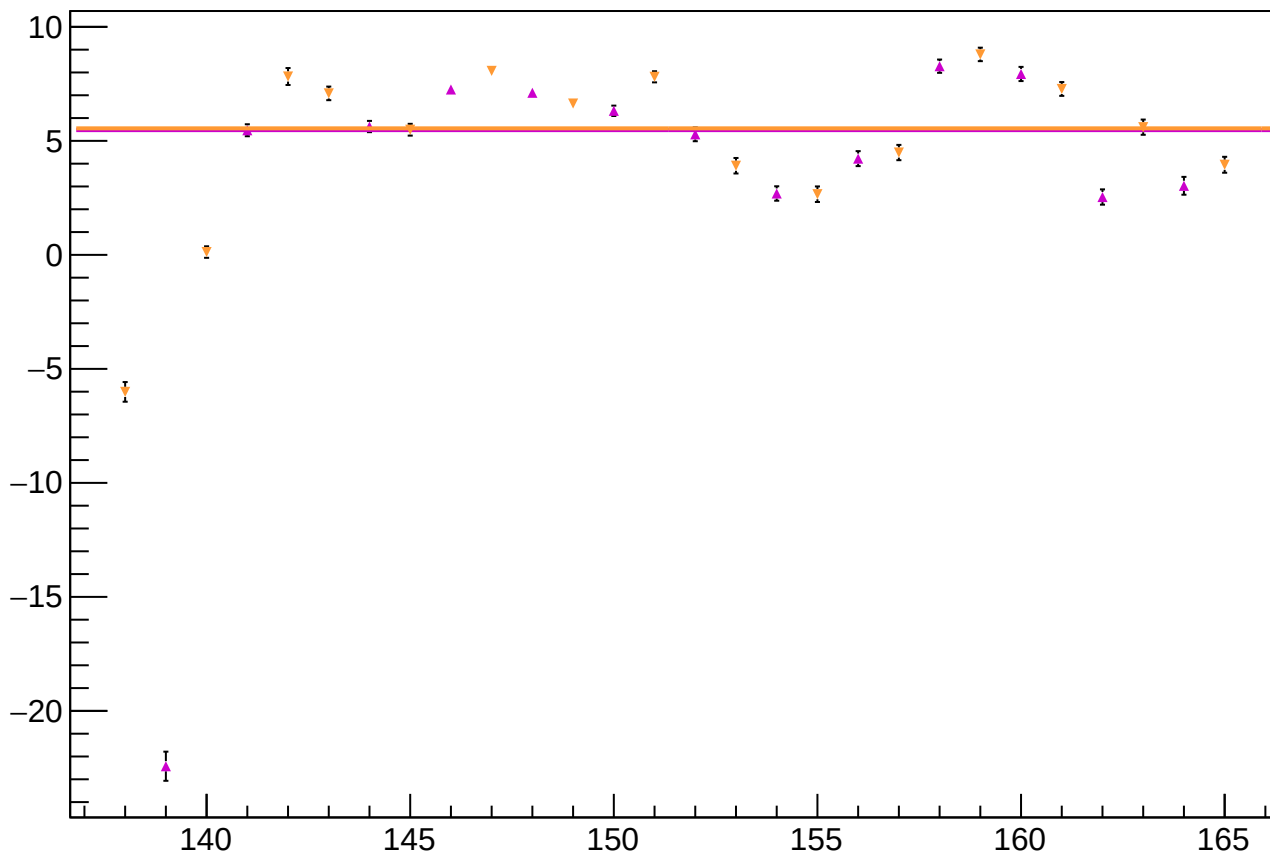
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.931+/-0.106 χ^2/NDF :2263.1/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.181+/-0.110 χ^2/NDF :1898.8/12

Left: 7.571+/-0.076 χ^2/NDF : 4186.0/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.181+/-0.110 χ^2/NDF :1898.8/12
 Out: 7.931+/-0.106 χ^2/NDF :2263.1/14
 All: 7.571+/-0.076 χ^2/NDF : 4186.0/27

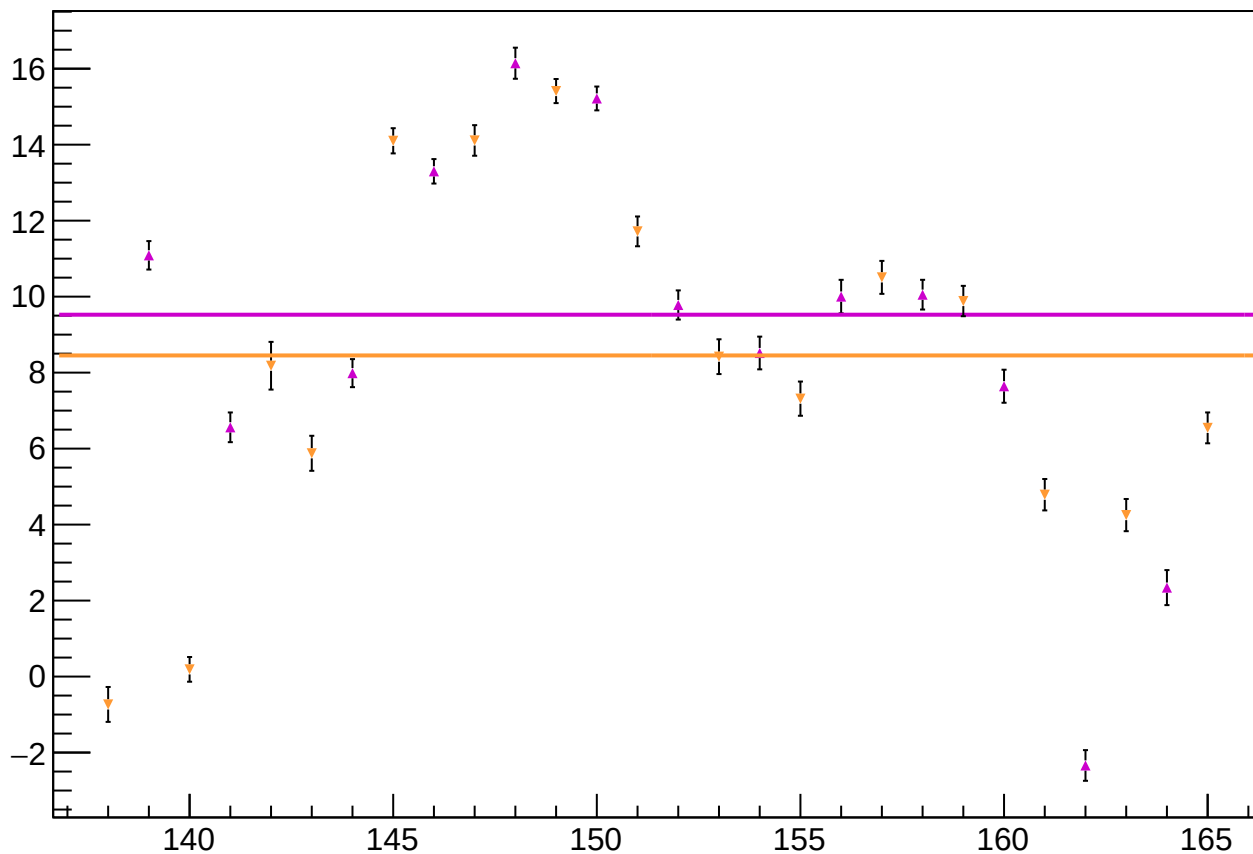
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.549 $\pm$ 0.074 χ^2 /NDF:1779.4/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.471 $\pm$ 0.078 χ^2 /NDF:2410.7/12

Left: 5.512 $\pm$ 0.054 χ^2 /NDF: 4190.6/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.471 $\pm$ 0.078 χ^2 /NDF:2410.7/12
 Out: 5.549 $\pm$ 0.074 χ^2 /NDF:1779.4/14
 All: 5.512 $\pm$ 0.054 χ^2 /NDF: 4190.6/27

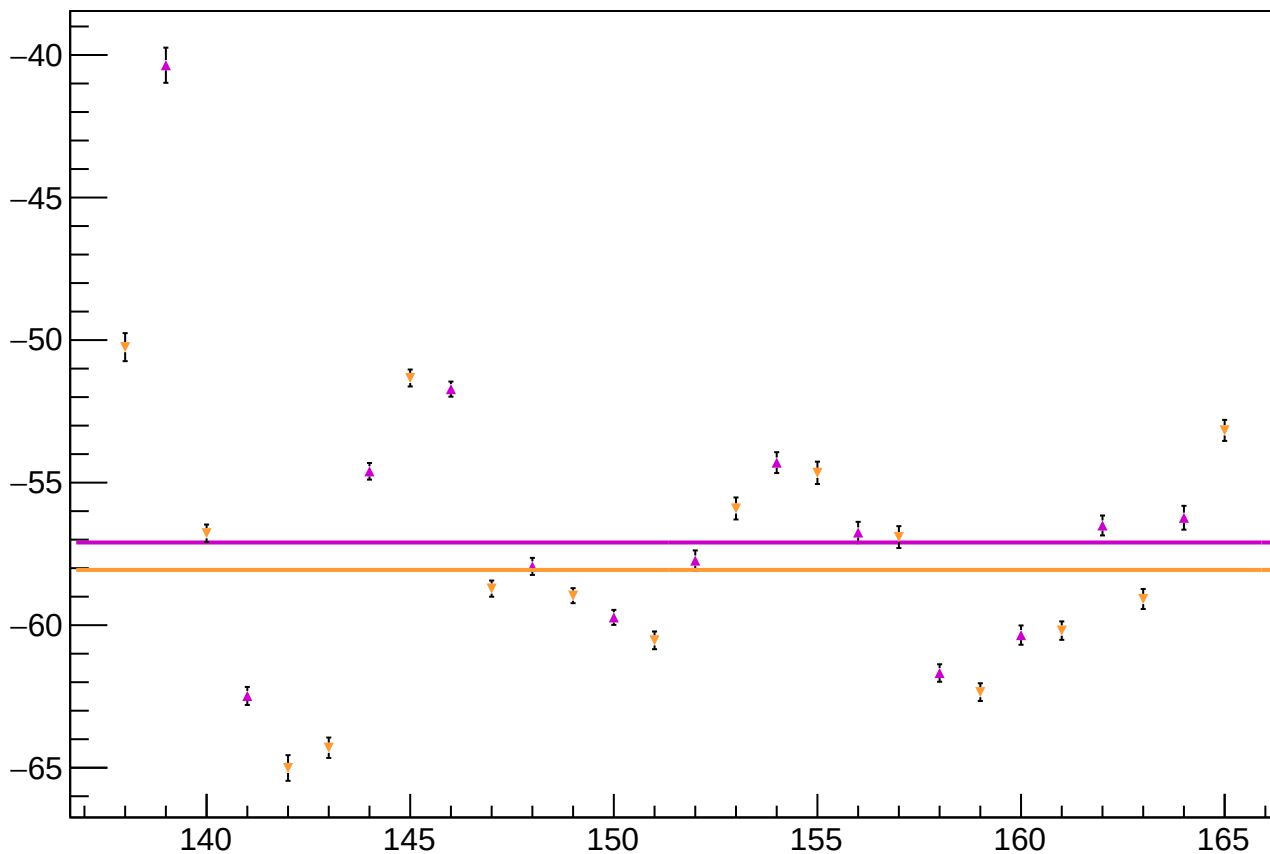
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.452+/-0.104 χ^2/NDF :2355.4/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.524+/-0.107 χ^2/NDF :1954.6/12

Left: 8.973+/-0.075 χ^2/NDF : 4361.3/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.524+/-0.107 χ^2/NDF :1954.6/12
 Out: 8.452+/-0.104 χ^2/NDF :2355.4/14
 All: 8.973+/-0.075 χ^2/NDF : 4361.3/27

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -58.061 ± 0.087 χ^2/NDF : 1940.0/14
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -57.100 ± 0.091 χ^2/NDF : 2005.5/12

Left: -57.602 ± 0.063 χ^2/NDF : 4003.5/27

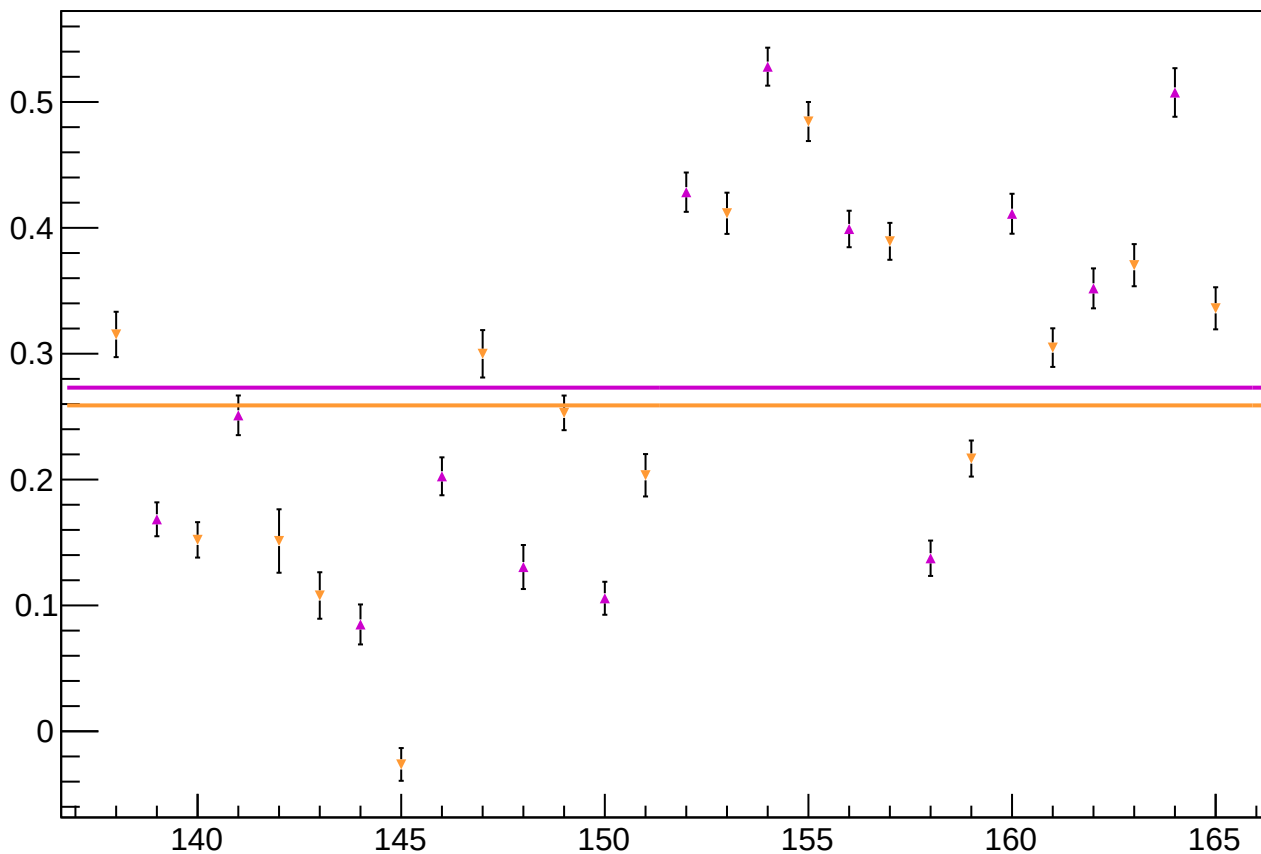
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -57.100 ± 0.091 χ^2/NDF : 2005.5/12

Out: -58.061 ± 0.087 χ^2/NDF : 1940.0/14

All: -57.602 ± 0.063 χ^2/NDF : 4003.5/27

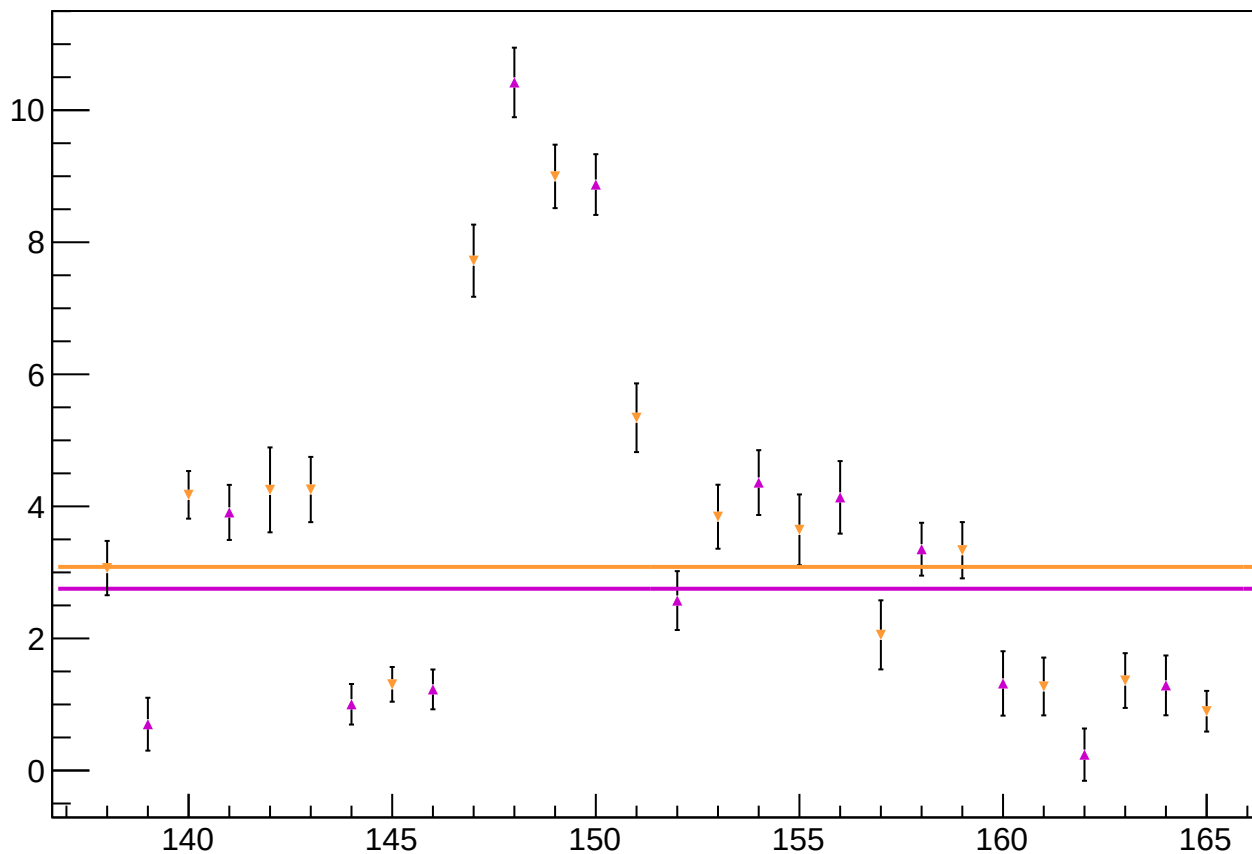
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.259 $\pm$ 0.004 χ^2 /NDF:1109.4/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.273 $\pm$ 0.004 χ^2 /NDF:1255.1/12

Left: 0.266 $\pm$ 0.003 χ^2 /NDF: 2370.1/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.273 $\pm$ 0.004 χ^2 /NDF:1255.1/12
 Out: 0.259 $\pm$ 0.004 χ^2 /NDF:1109.4/14
 All: 0.266 $\pm$ 0.003 χ^2 /NDF: 2370.1/27

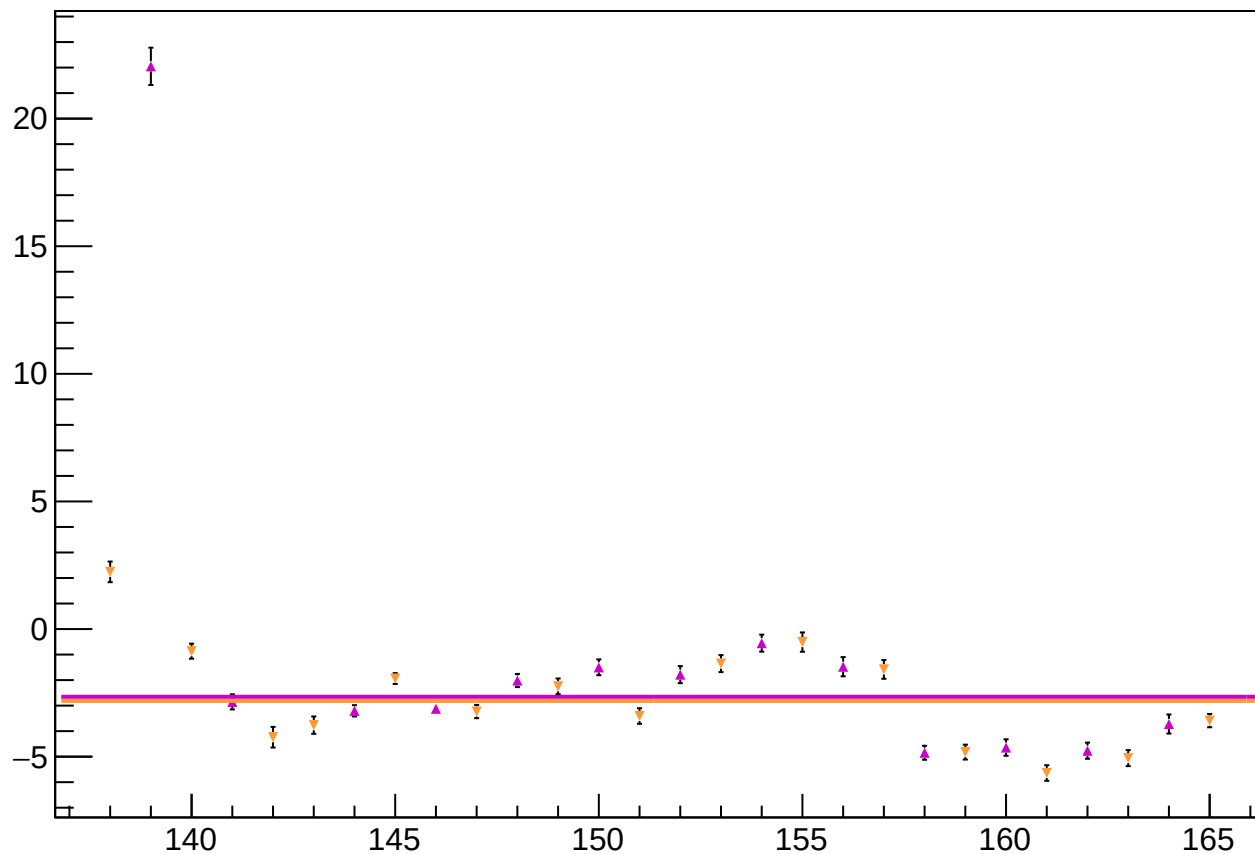
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.083 $\pm$ 0.109 χ^2 /NDF:398.6/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.753 $\pm$ 0.115 χ^2 /NDF:559.9/12

Left: 2.927 $\pm$ 0.079 χ^2 /NDF: 962.9/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.753 $\pm$ 0.115 χ^2 /NDF:559.9/12
 Out: 3.083 $\pm$ 0.109 χ^2 /NDF:398.6/14
 All: 2.927 $\pm$ 0.079 χ^2 /NDF: 962.9/27

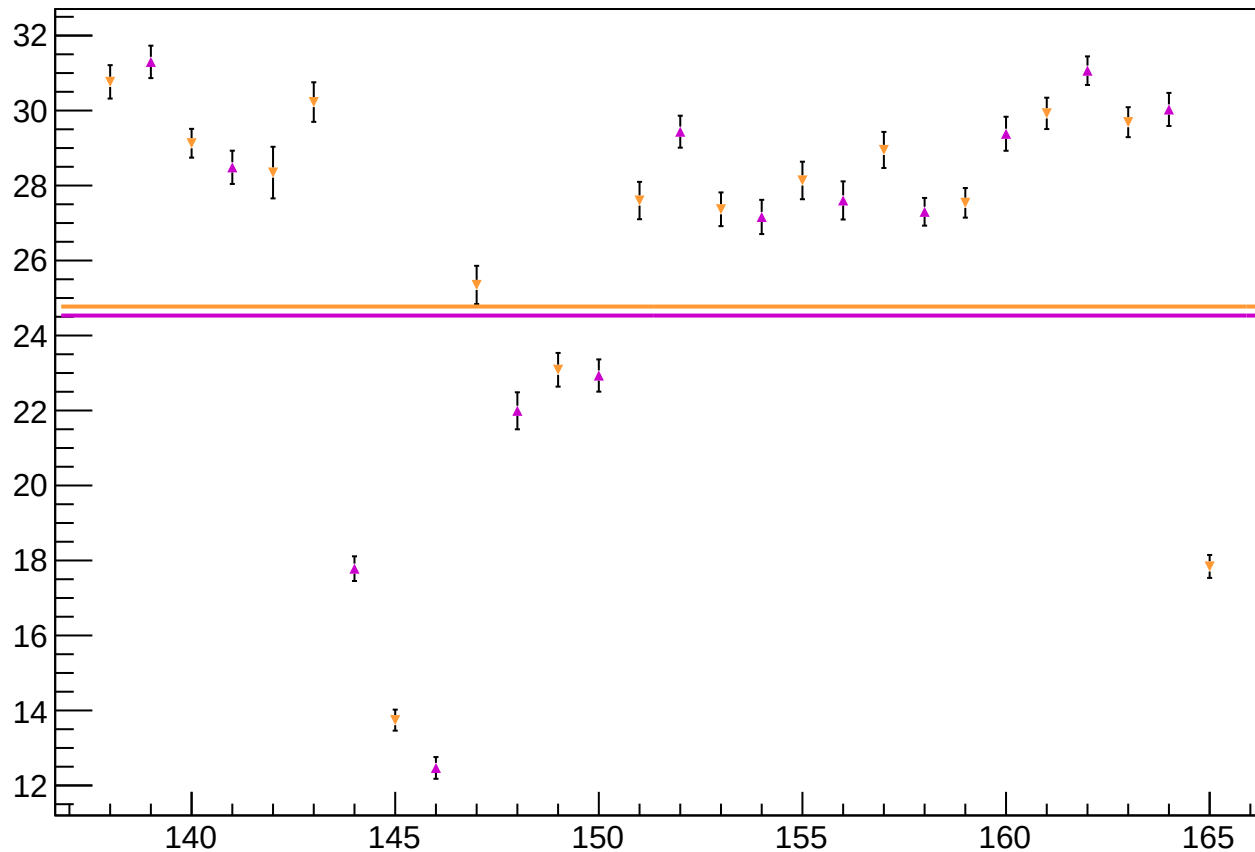
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.816 $\pm$ 0.079 χ^2 /NDF:507.3/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.655 $\pm$ 0.081 χ^2 /NDF:1385.0/12

Left: -2.738 $\pm$ 0.057 χ^2 /NDF: 1894.3/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -2.655 $\pm$ 0.081 χ^2 /NDF:1385.0/12
 Out: -2.816 $\pm$ 0.079 χ^2 /NDF:507.3/14
 All: -2.738 $\pm$ 0.057 χ^2 /NDF: 1894.3/27

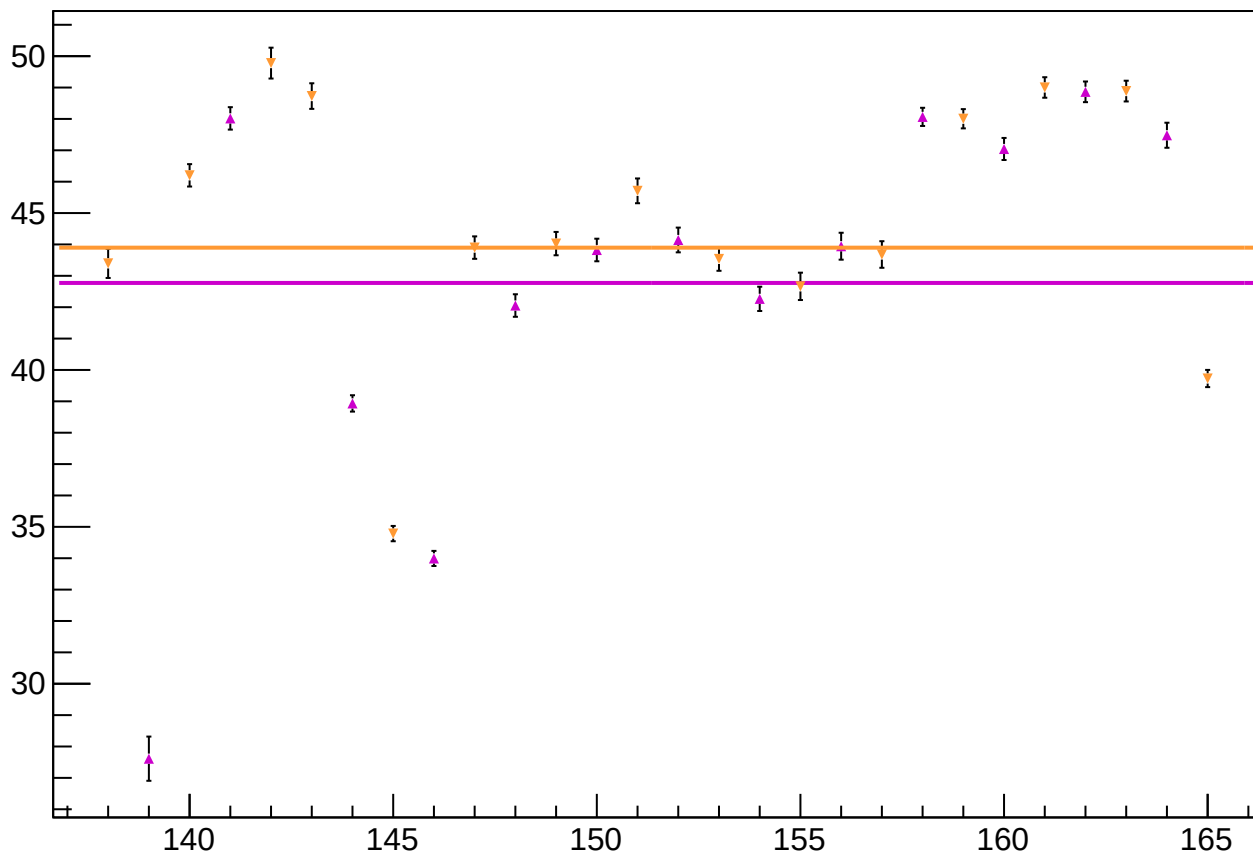
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 24.773+/-0.108 χ^2/NDF : 3057.7/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 24.533+/-0.112 χ^2/NDF : 3335.6/12

Left: 24.657+/-0.078 χ^2/NDF : 6395.7/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 24.533+/-0.112 χ^2/NDF : 3335.6/12
 Out: 24.773+/-0.108 χ^2/NDF : 3057.7/14
 All: 24.657+/-0.078 χ^2/NDF : 6395.7/27

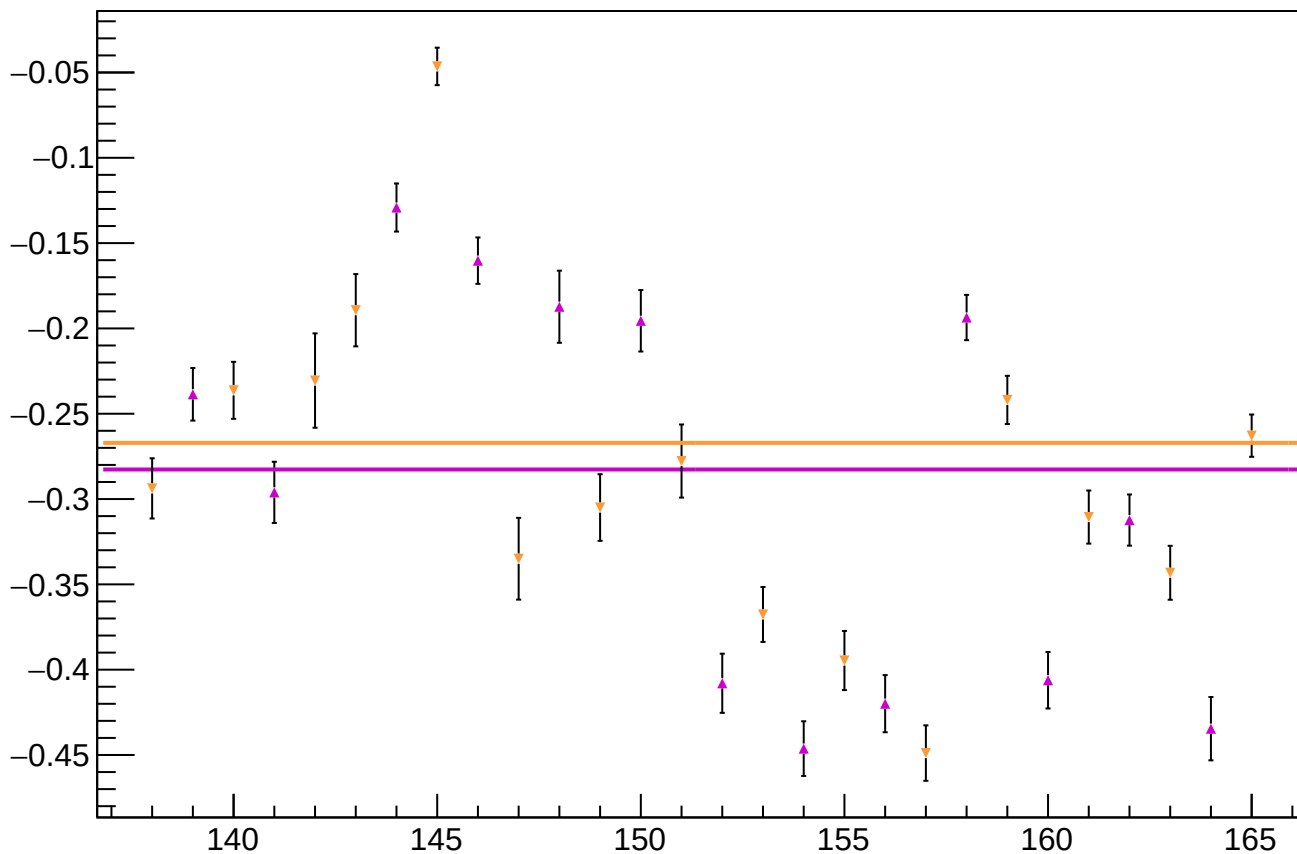
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 43.897+/-0.091 χ^2/NDF :2633.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 42.773+/-0.095 χ^2/NDF :3223.8/12

Left: 43.359+/-0.066 χ^2/NDF : 5931.1/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 42.773+/-0.095 χ^2/NDF :3223.8/12
 Out: 43.897+/-0.091 χ^2/NDF :2633.9/14
 All: 43.359+/-0.066 χ^2/NDF : 5931.1/27

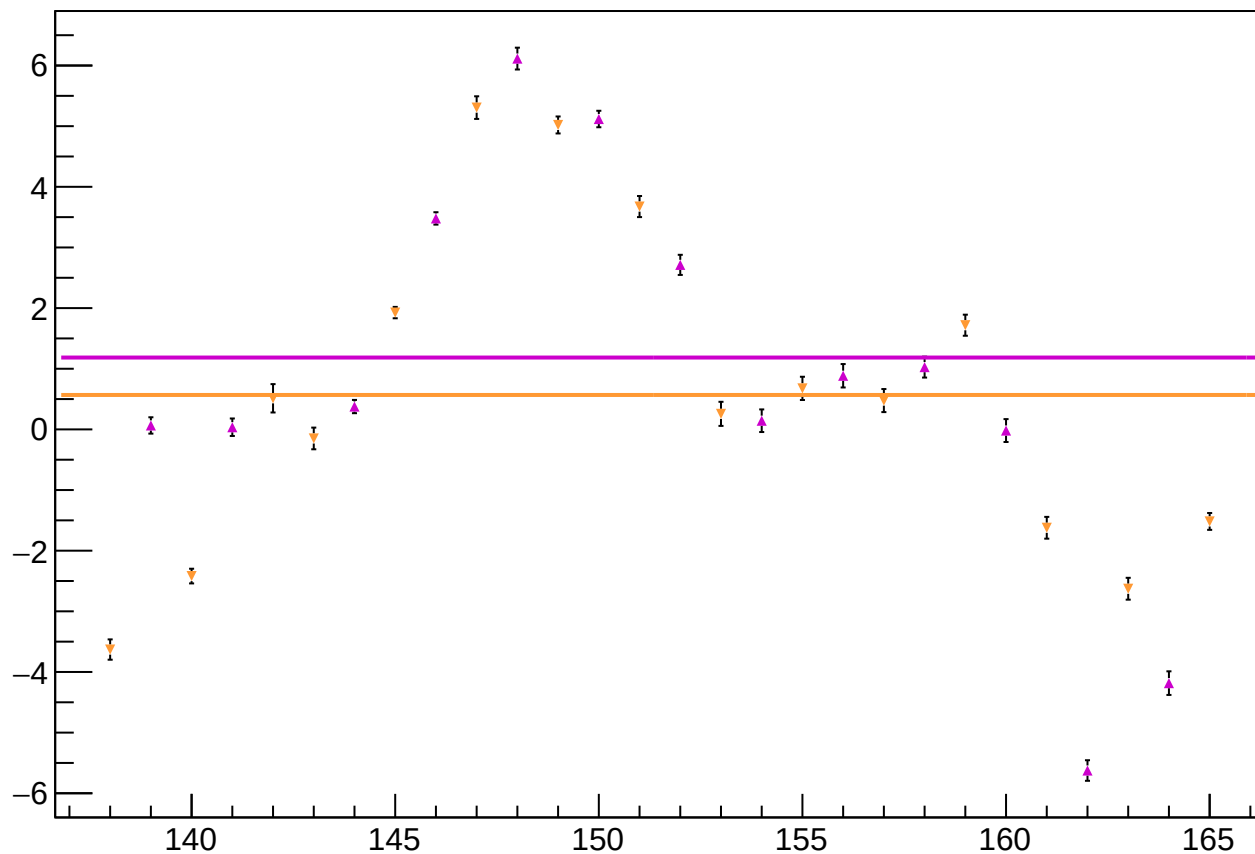
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.267 $\pm$ 0.004 χ^2 /NDF:689.2/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.283 $\pm$ 0.004 χ^2 /NDF:647.5/12

Left: -0.274 $\pm$ 0.003 χ^2 /NDF: 1343.2/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.283 $\pm$ 0.004 χ^2 /NDF:647.5/12
 Out: -0.267 $\pm$ 0.004 χ^2 /NDF:689.2/14
 All: -0.274 $\pm$ 0.003 χ^2 /NDF: 1343.2/27

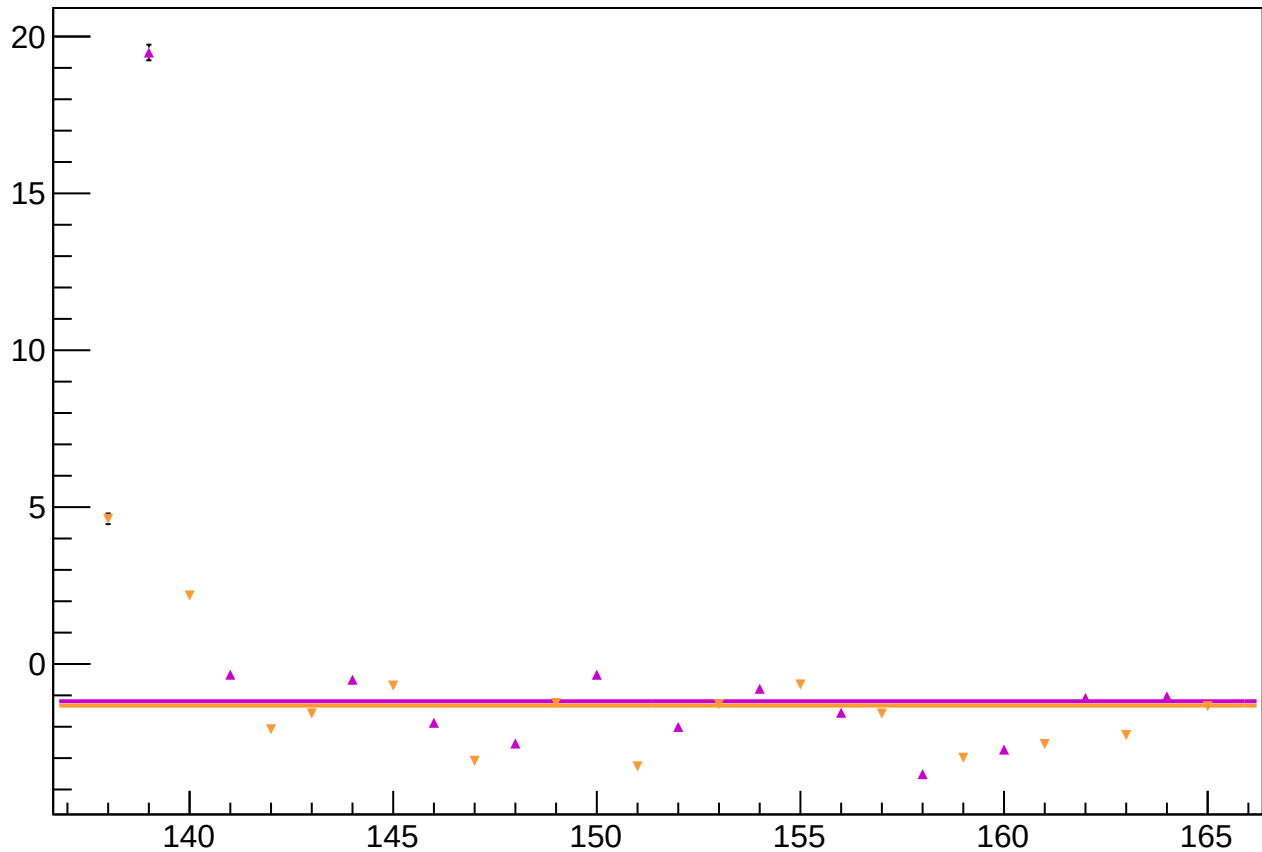
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.568+/-0.041 χ^2/NDF : 4171.8/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.185+/-0.041 χ^2/NDF : 4809.7/12

Left: 0.870+/-0.029 χ^2/NDF : 9094.6/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.185+/-0.041 χ^2/NDF : 4809.7/12
 Out: 0.568+/-0.041 χ^2/NDF : 4171.8/14
 All: 0.870+/-0.029 χ^2/NDF : 9094.6/27

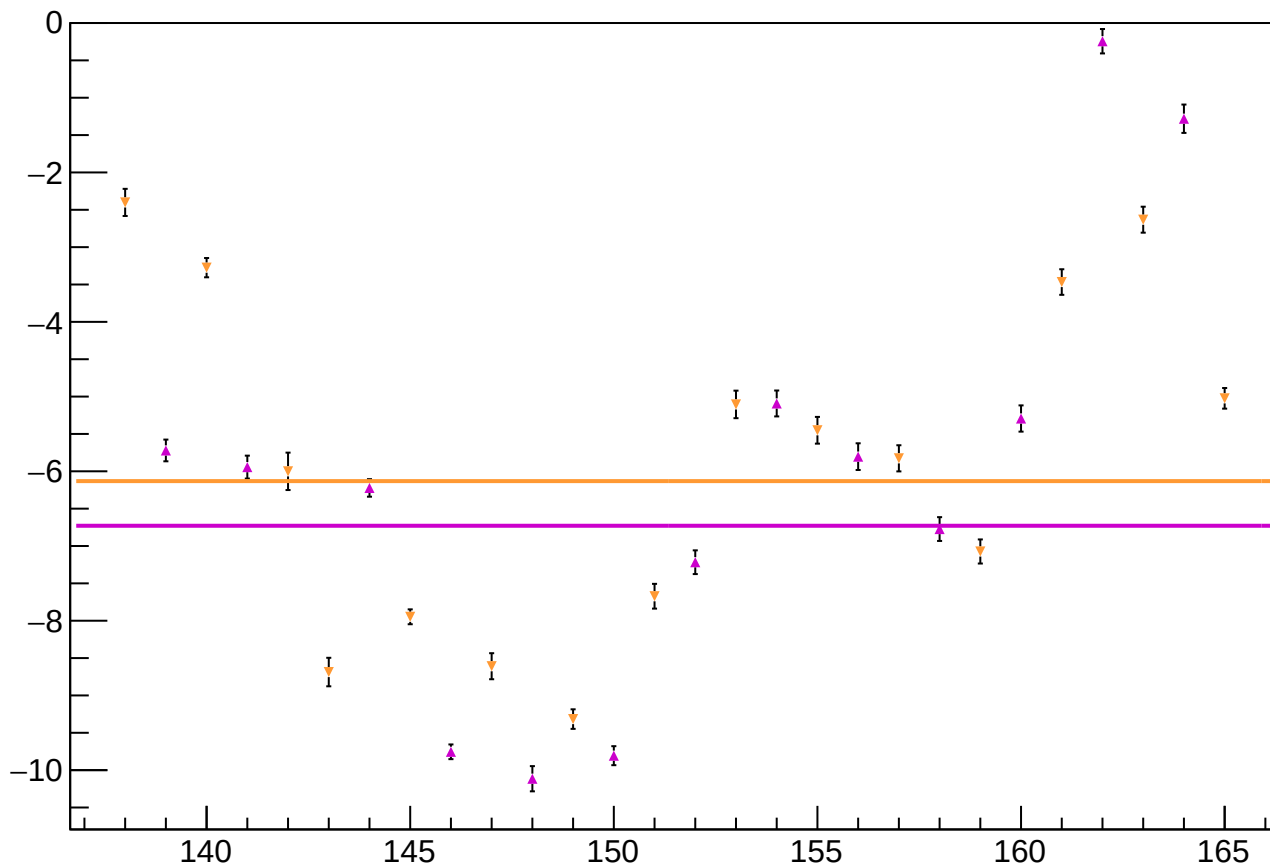
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.326+/-0.029 χ^2/NDF : 3674.3/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.187+/-0.029 χ^2/NDF : 8045.9/12

Left: -1.258+/-0.021 χ^2/NDF : 11731.5/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.187+/-0.029 χ^2/NDF : 8045.9/12
 Out: -1.326+/-0.029 χ^2/NDF : 3674.3/14
 All: -1.258+/-0.021 χ^2/NDF : 11731.5/27

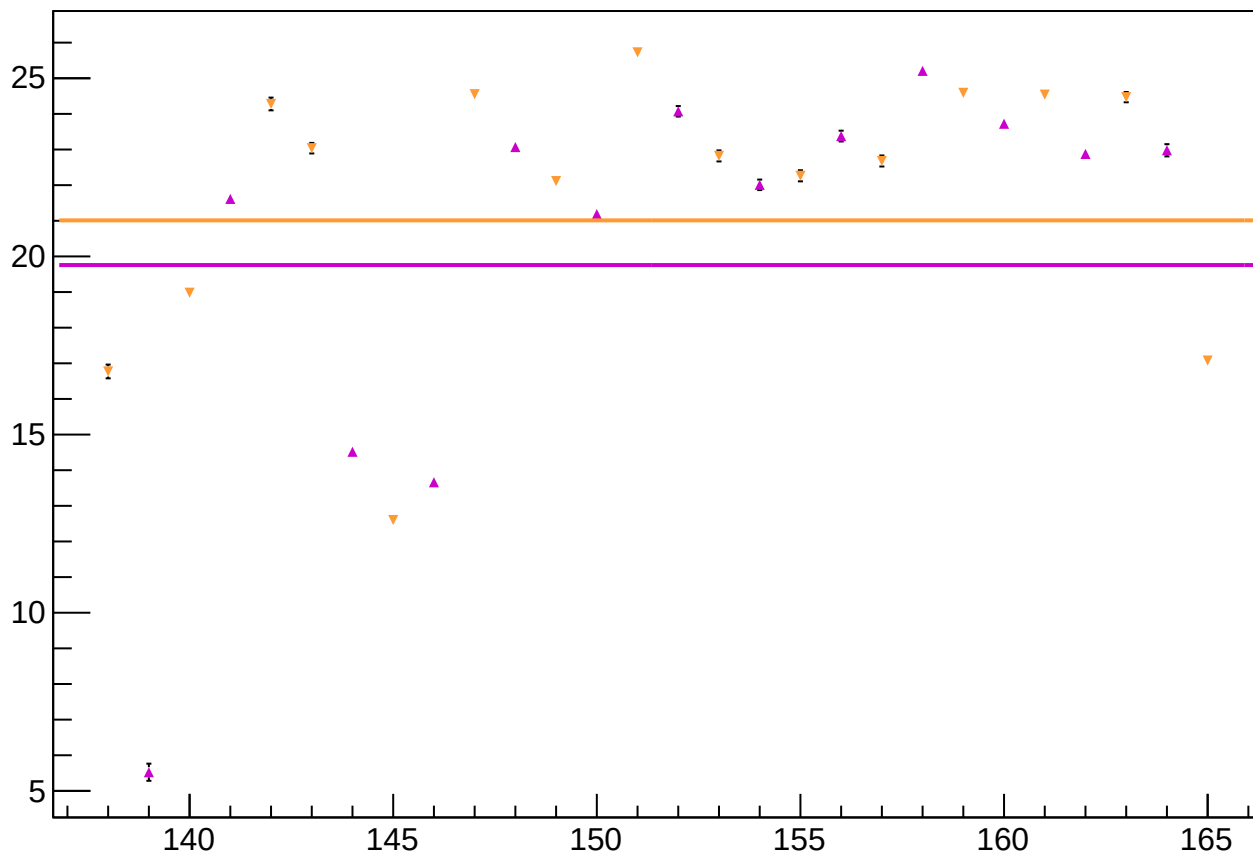
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.131+/-0.040 χ^2/NDF :3099.1/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.729+/-0.041 χ^2/NDF :4619.2/12

Left: -6.428+/-0.029 χ^2/NDF : 7827.0/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.729+/-0.041 χ^2/NDF :4619.2/12
 Out: -6.131+/-0.040 χ^2/NDF :3099.1/14
 All: -6.428+/-0.029 χ^2/NDF : 7827.0/27

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: 21.012+/-0.034 χ^2/NDF :15986.0/14

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

Left In: 19.757+/-0.035 χ^2/NDF :18547.0/12

Left: 20.395+/-0.024 χ^2/NDF : 35202.5/27

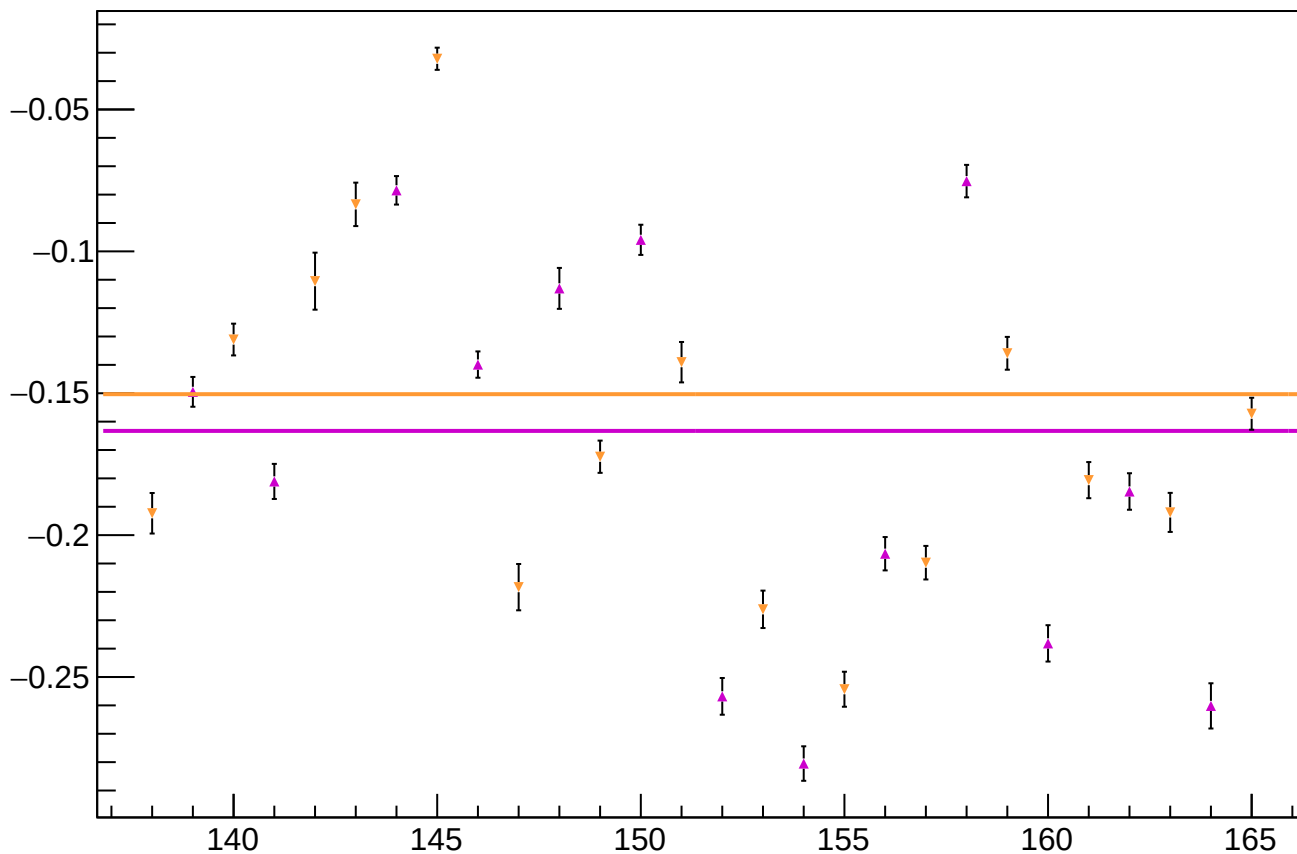
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 19.757+/-0.035 χ^2/NDF :18547.0/12

Out: 21.012+/-0.034 χ^2/NDF :15986.0/14

All: 20.395+/-0.024 χ^2/NDF : 35202.5/27

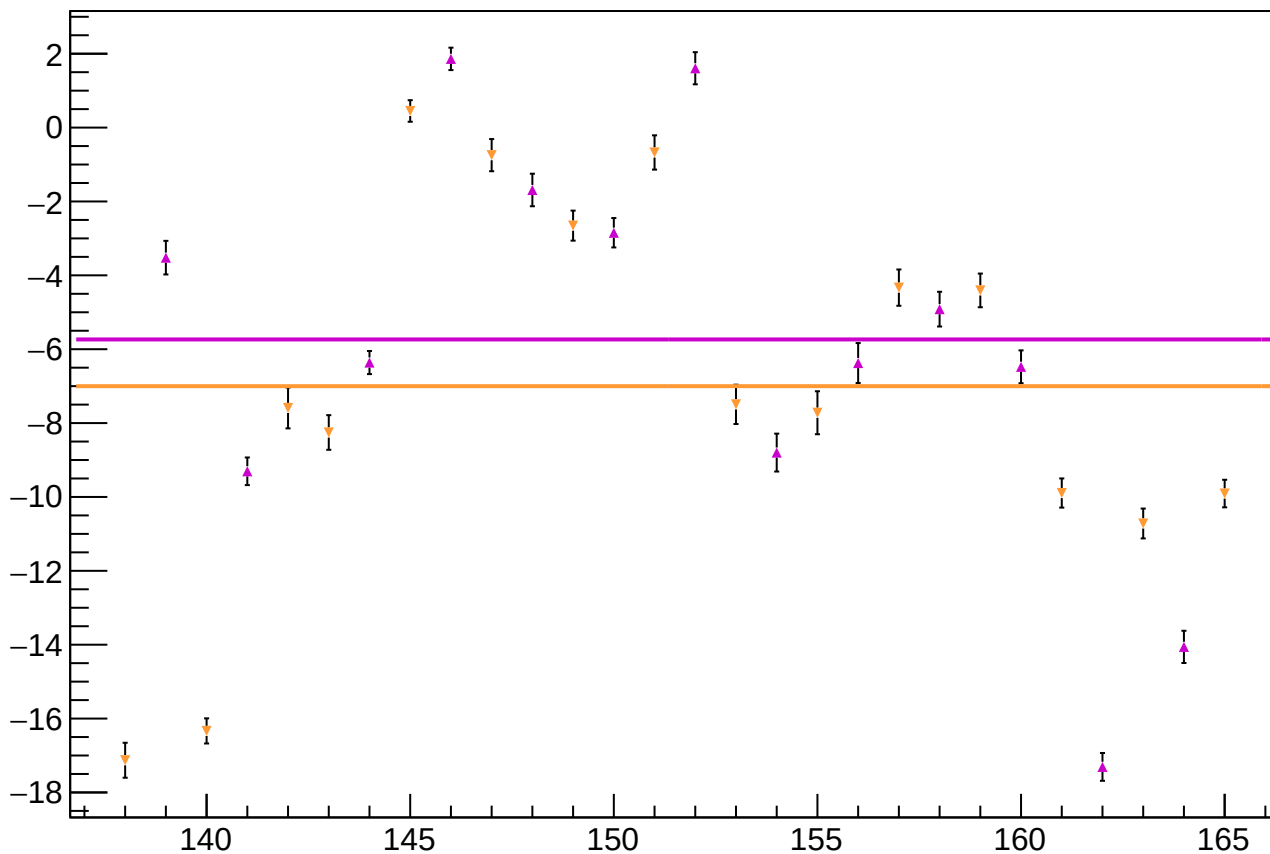
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.150+/-0.002 χ^2/NDF :1724.6/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.163+/-0.002 χ^2/NDF :1701.8/12

Left: -0.157+/-0.001 χ^2/NDF : 3458.7/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.163+/-0.002 χ^2/NDF :1701.8/12
 Out: -0.150+/-0.002 χ^2/NDF :1724.6/14
 All: -0.157+/-0.001 χ^2/NDF : 3458.7/27

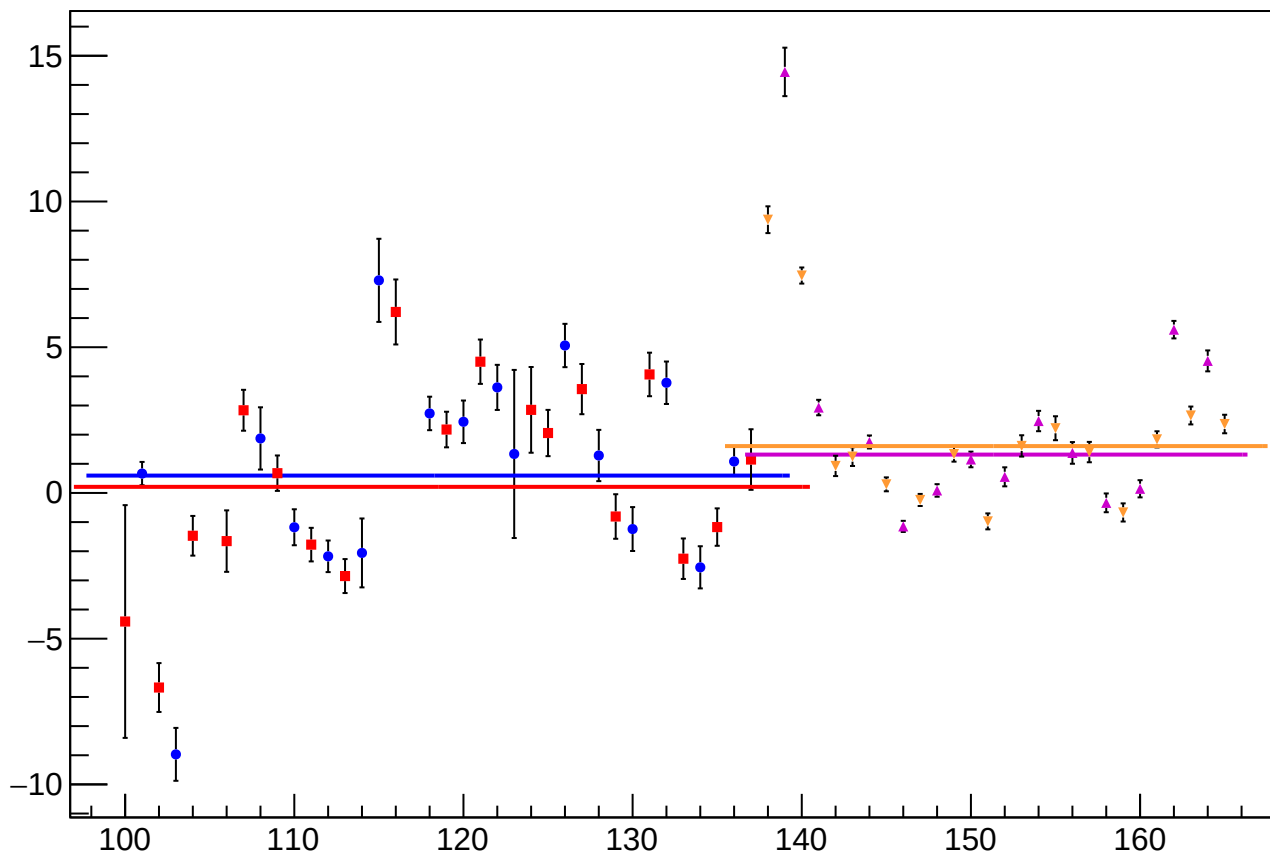
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -7.001 $\pm$ 0.109 χ^2/NDF :2640.0/14
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -5.736 $\pm$ 0.113 χ^2/NDF :2518.9/12

Left: -6.387 $\pm$ 0.078 χ^2/NDF : 5224.0/27
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -5.736 $\pm$ 0.113 χ^2/NDF :2518.9/12
 Out: -7.001 $\pm$ 0.109 χ^2/NDF :2640.0/14
 All: -6.387 $\pm$ 0.078 χ^2/NDF : 5224.0/27

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: 1.608 ± 0.077 χ^2/NDF : 1013.7/14

Right Out: 0.209 ± 0.175 χ^2/NDF : 273.5/18

Left In: 1.316 ± 0.078 χ^2/NDF : 832.3/12

Left: 1.465 ± 0.055 χ^2/NDF : 1853.1/27

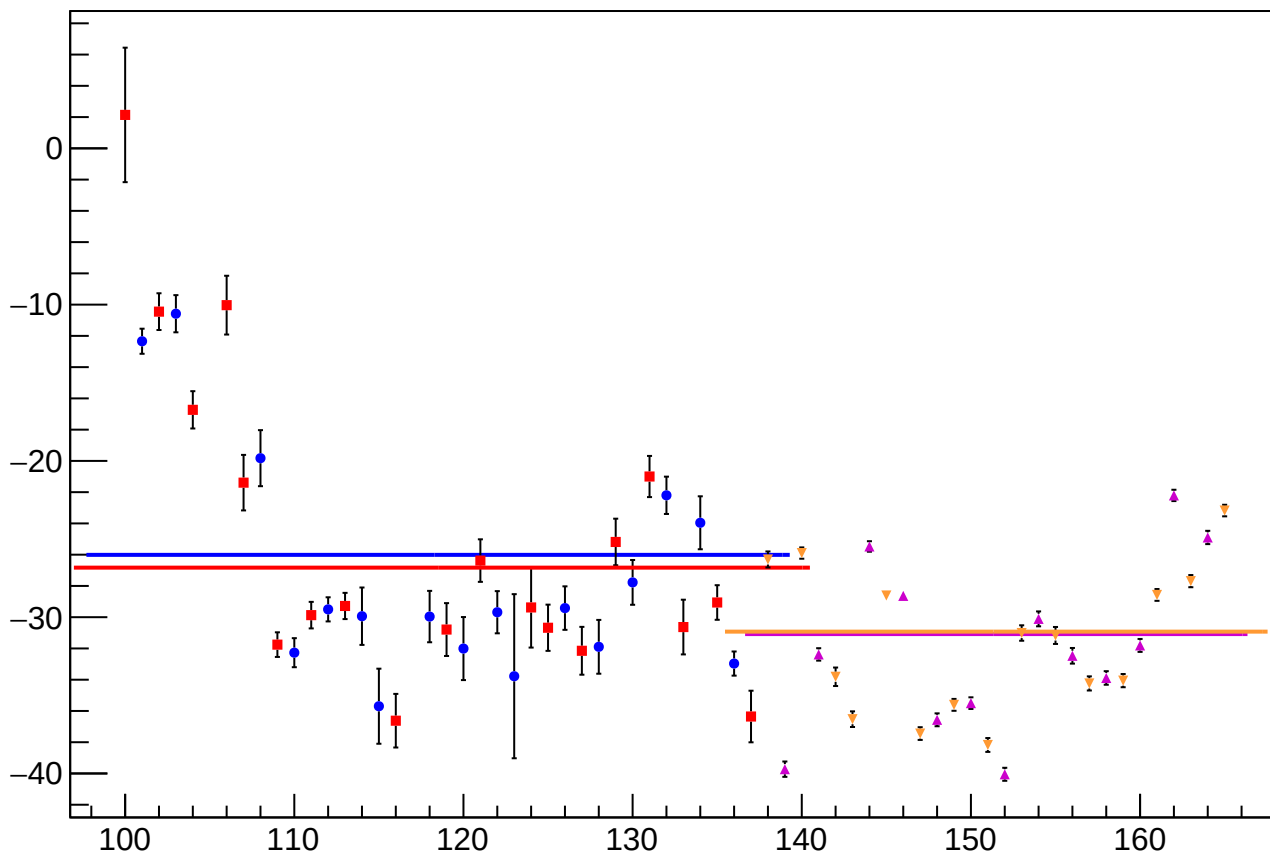
Right: 0.409 ± 0.121 χ^2/NDF : 567.2/35

In: 1.189 ± 0.071 χ^2/NDF : 1138.4/29

Out: 1.382 ± 0.070 χ^2/NDF : 1341.0/33

All: 1.286 ± 0.050 χ^2/NDF : 2483.2/63

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: -30.924 ± 0.108 χ^2/NDF : 1807.9/14

Right Out: -26.829 ± 0.297 χ^2/NDF : 581.6/18

Left In: -31.081 ± 0.110 χ^2/NDF : 2318.7/12

Left: -31.001 ± 0.077 χ^2/NDF : 4127.7/27

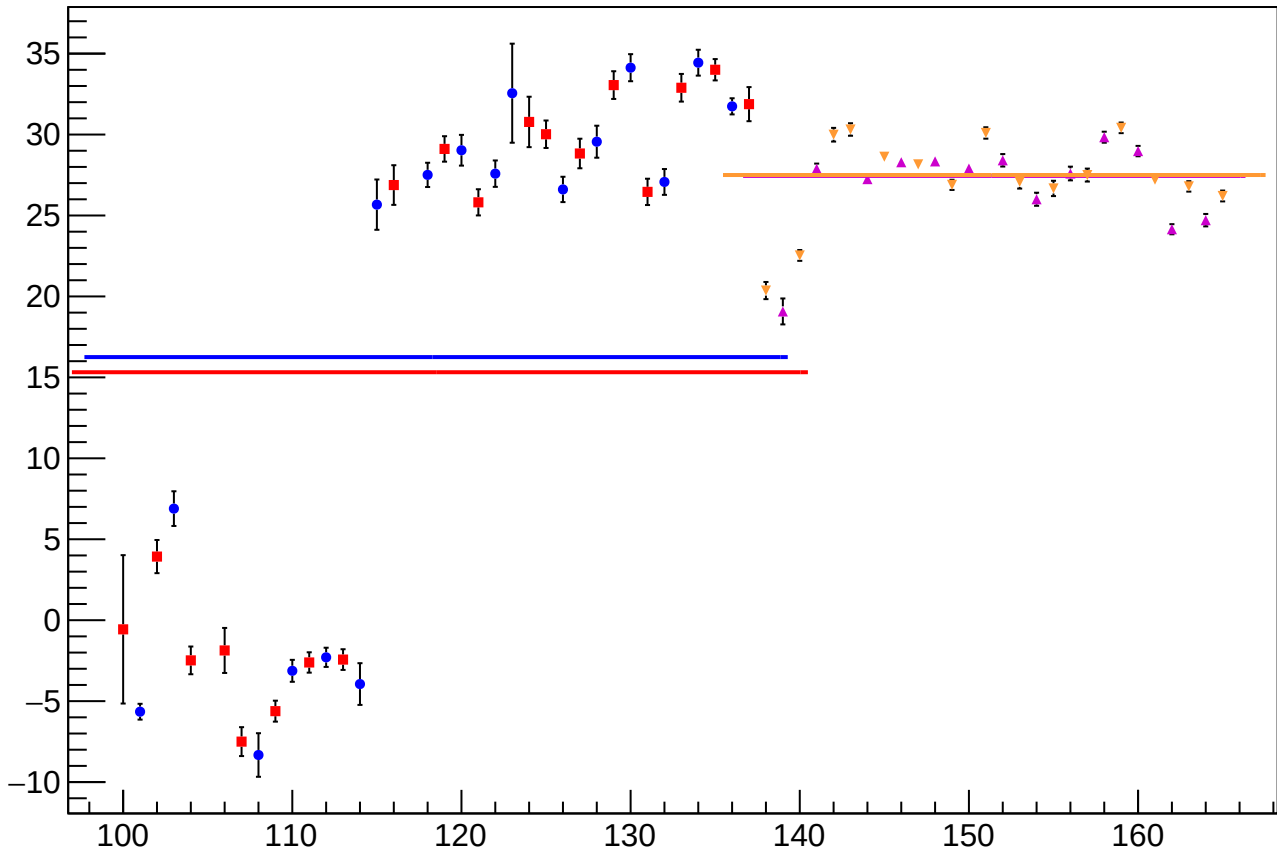
Right: -26.423 ± 0.211 χ^2/NDF : 1278.3/35

In: -30.479 ± 0.103 χ^2/NDF : 3264.0/29

Out: -30.447 ± 0.102 χ^2/NDF : 2556.9/33

All: -30.462 ± 0.072 χ^2/NDF : 5820.9/63

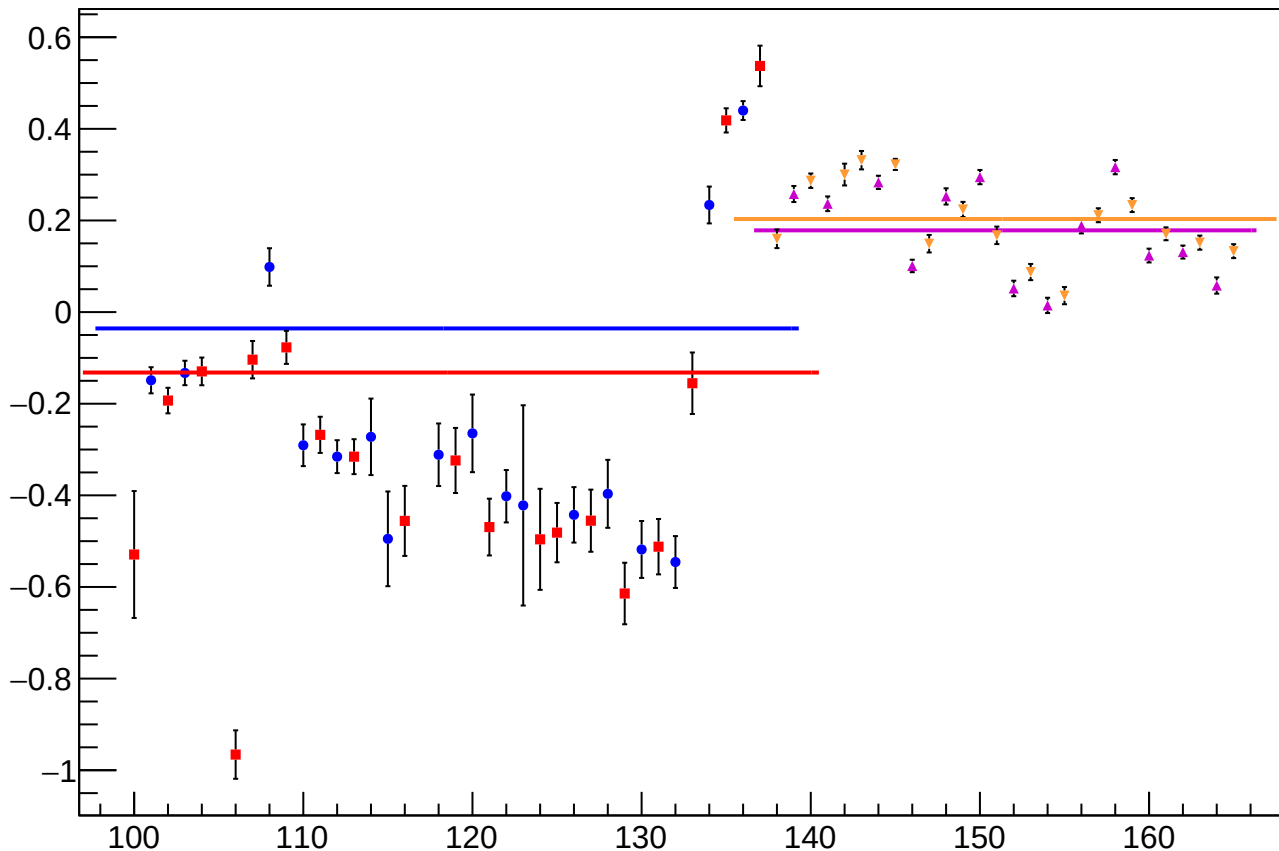
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.253 $\pm$ 0.191 χ^2 /NDF: 7611.3/16
 Left Out: 27.501 $\pm$ 0.090 χ^2 /NDF: 673.6/14
 Right Out: 15.318 $\pm$ 0.197 χ^2 /NDF: 7280.1/18
 Left In: 27.443 $\pm$ 0.092 χ^2 /NDF: 388.1/12

Left: 27.473 $\pm$ 0.064 χ^2 /NDF: 1061.9/27
 Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14903.0/35
 In: 25.339 $\pm$ 0.083 χ^2 /NDF: 10785.8/29
 Out: 25.407 $\pm$ 0.082 χ^2 /NDF: 11121.0/33
 All: 25.373 $\pm$ 0.058 χ^2 /NDF: 21907.1/63

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: 0.203 ± 0.004 χ^2/NDF : 363.9/14

Right Out: -0.132 ± 0.010 χ^2/NDF : 1171.3/18

Left In: 0.178 ± 0.004 χ^2/NDF : 492.5/12

Left: 0.191 ± 0.003 χ^2/NDF : 872.8/27

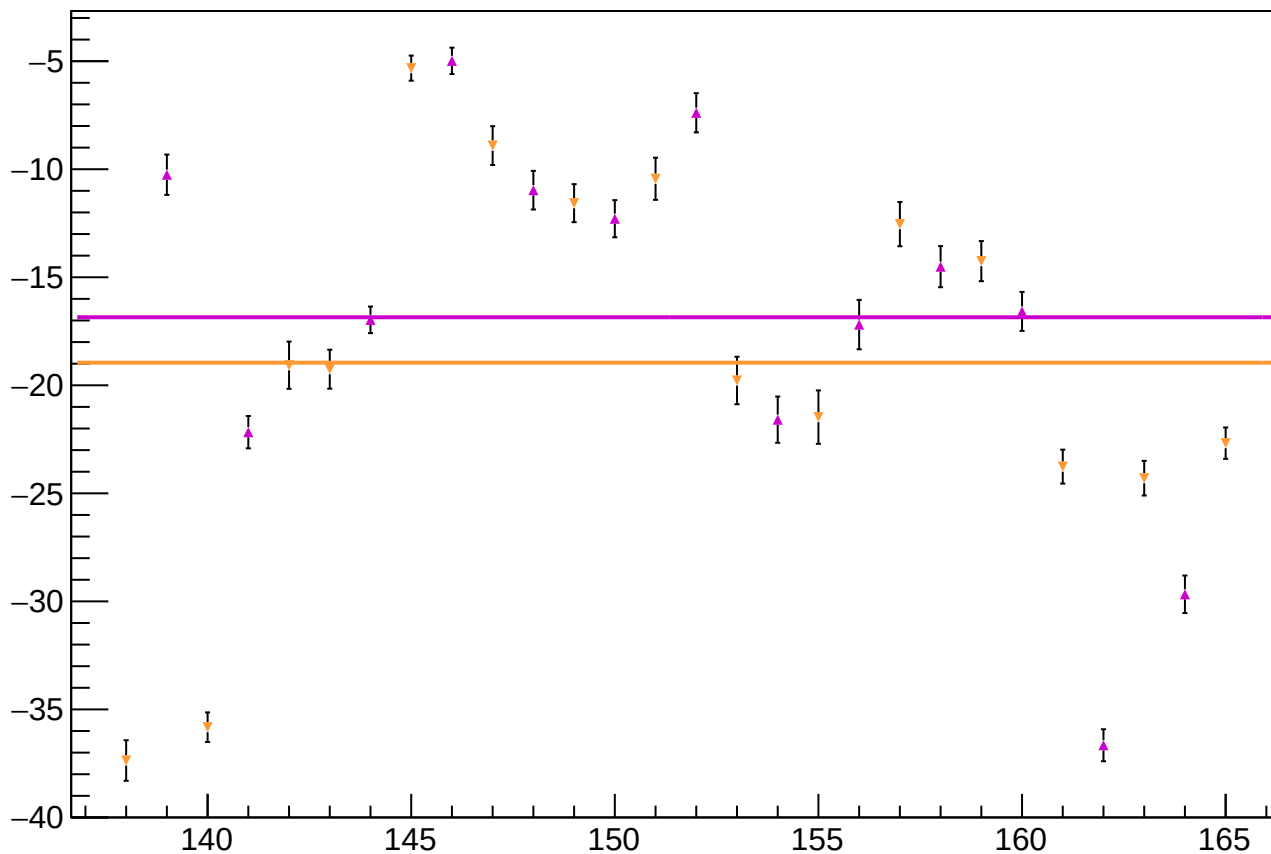
Right: -0.084 ± 0.007 χ^2/NDF : 2229.1/35

In: 0.146 ± 0.004 χ^2/NDF : 1871.9/29

Out: 0.155 ± 0.004 χ^2/NDF : 2429.8/33

All: 0.150 ± 0.003 χ^2/NDF : 4304.2/63

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.954 $\pm$ 0.221 χ^2/NDF :1990.3/14

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

Left In: -16.851 $\pm$ 0.228 χ^2/NDF :1618.0/12

Left: -17.937 $\pm$ 0.159 χ^2/NDF : 3652.2/27

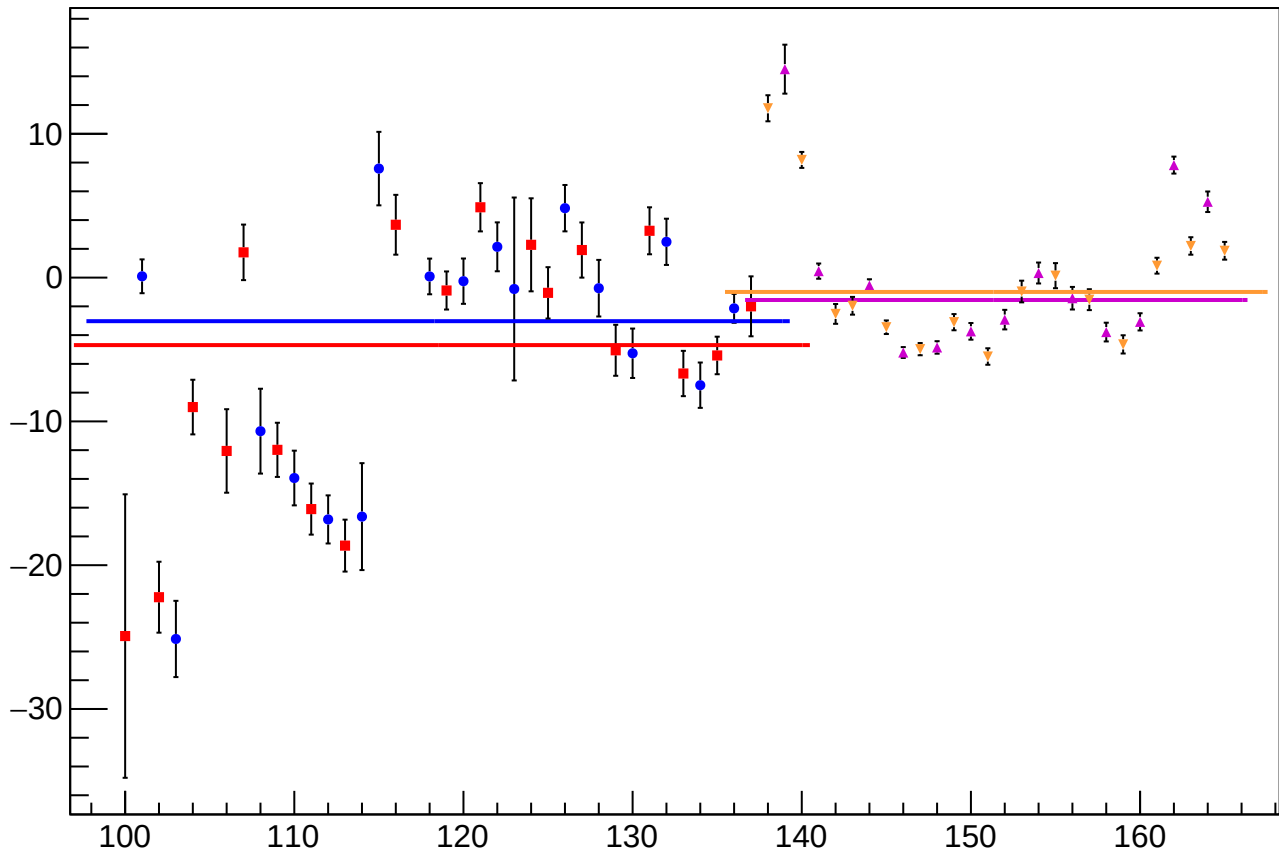
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -16.851 $\pm$ 0.228 χ^2/NDF :1618.0/12

Out: -18.954 $\pm$ 0.221 χ^2/NDF :1990.3/14

All: -17.937 $\pm$ 0.159 χ^2/NDF : 3652.2/27

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.030 ± 0.408 χ^2/NDF : 280.8/16

Left Out: -0.997 ± 0.155 χ^2/NDF : 764.2/14

Right Out: -4.694 ± 0.427 χ^2/NDF : 298.3/18

Left In: -1.557 ± 0.158 χ^2/NDF : 646.9/12

Left: -1.272 ± 0.111 χ^2/NDF : 1417.5/27

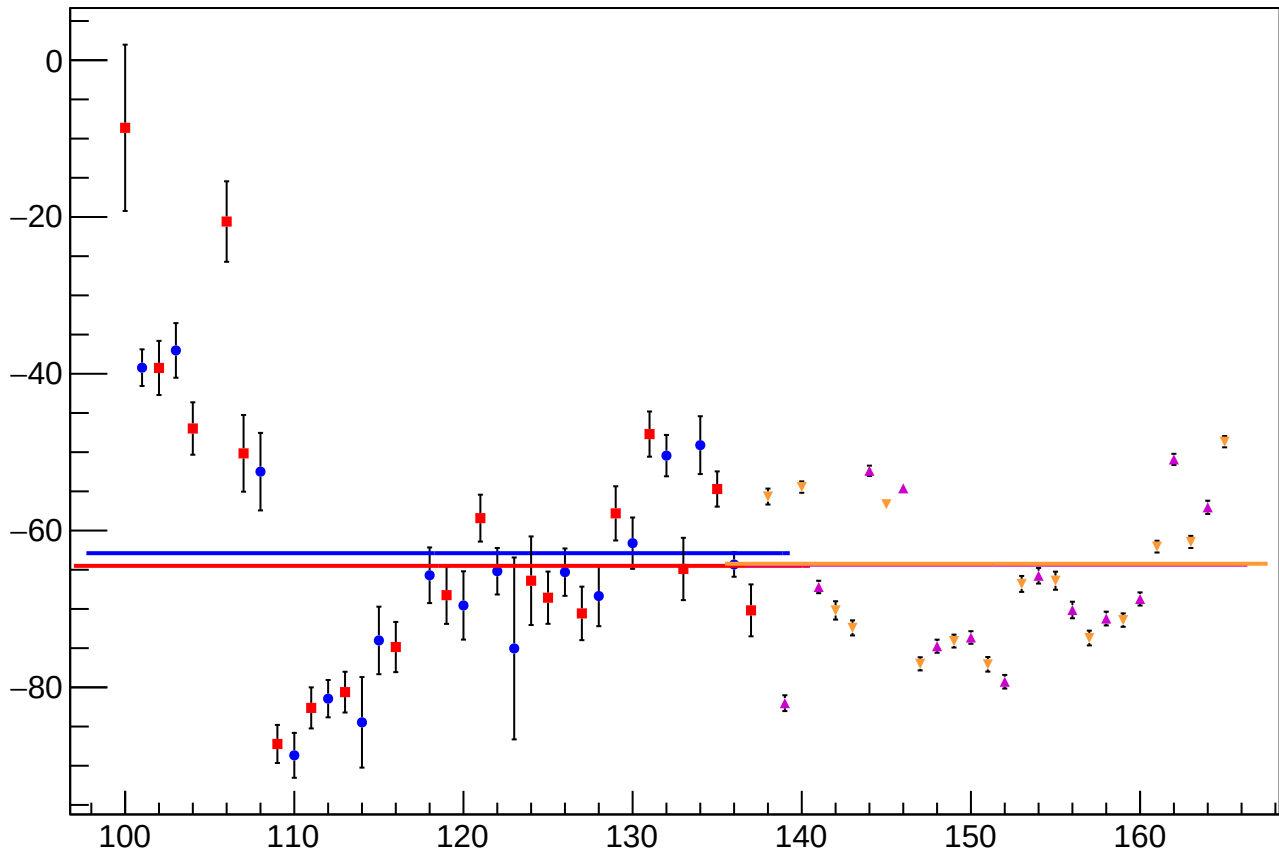
Right: -3.824 ± 0.295 χ^2/NDF : 587.0/35

In: -1.750 ± 0.147 χ^2/NDF : 939.0/29

Out: -1.430 ± 0.146 χ^2/NDF : 1128.8/33

All: -1.588 ± 0.104 χ^2/NDF : 2070.2/63

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.887 ± 0.738 $\chi^2/\text{NDF}: 368.7/16$

Left Out: -64.233 ± 0.219 $\chi^2/\text{NDF}: 1733.6/14$

Right Out: -64.502 ± 0.751 $\chi^2/\text{NDF}: 444.1/18$

Left In: -64.353 ± 0.223 $\chi^2/\text{NDF}: 2059.9/12$

Left: -64.292 ± 0.156 $\chi^2/\text{NDF}: 3793.6/27$

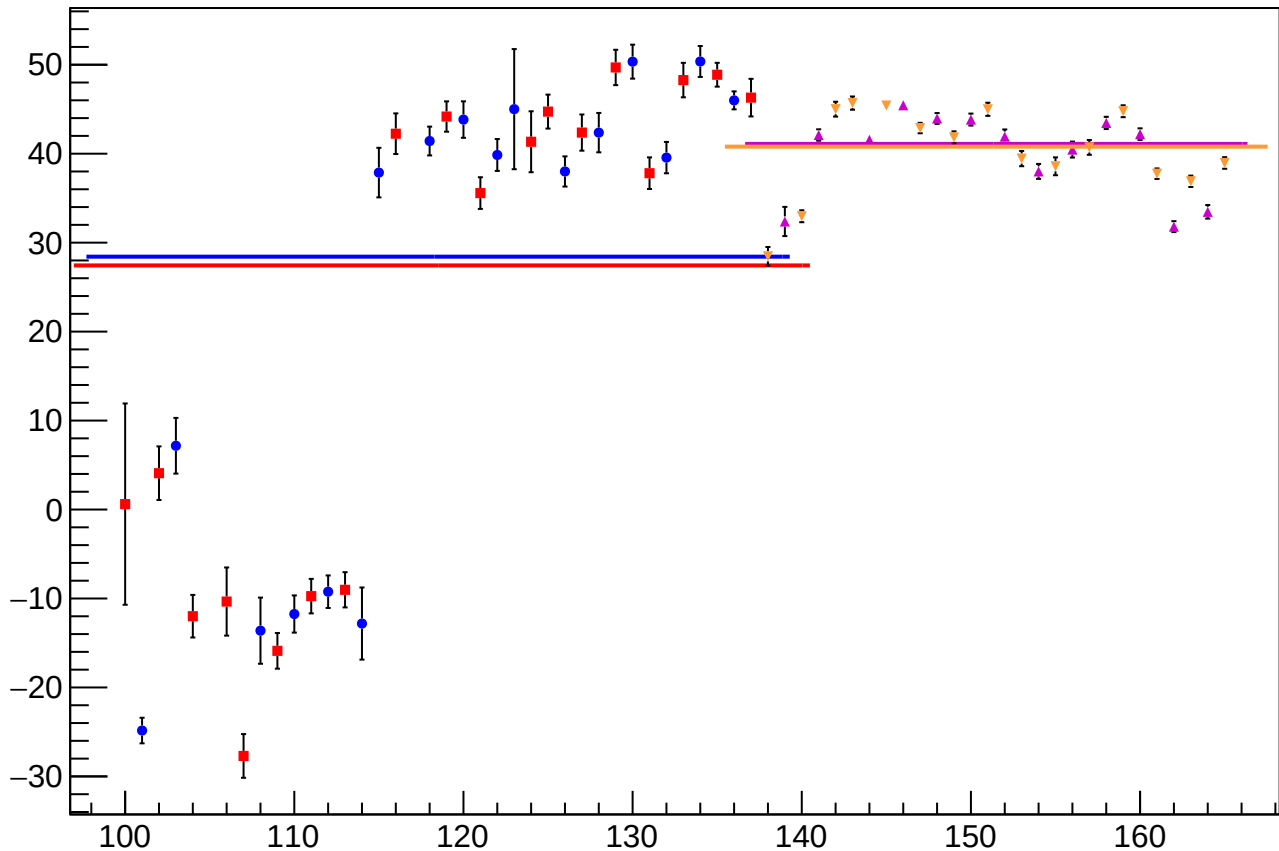
Right: -63.680 ± 0.526 $\chi^2/\text{NDF}: 815.2/35$

In: -64.230 ± 0.214 $\chi^2/\text{NDF}: 2432.3/29$

Out: -64.254 ± 0.210 $\chi^2/\text{NDF}: 2177.8/33$

All: -64.242 ± 0.150 $\chi^2/\text{NDF}: 4610.1/63$

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: 40.793 $\pm$ 0.182 χ^2 /NDF: 576.2/14

Right Out: 27.441 $\pm$ 0.479 χ^2 /NDF: 3033.0/18

Left In: 41.097 $\pm$ 0.186 χ^2 /NDF: 511.5/12

Left: 40.942 $\pm$ 0.130 χ^2 /NDF: 1089.1/27

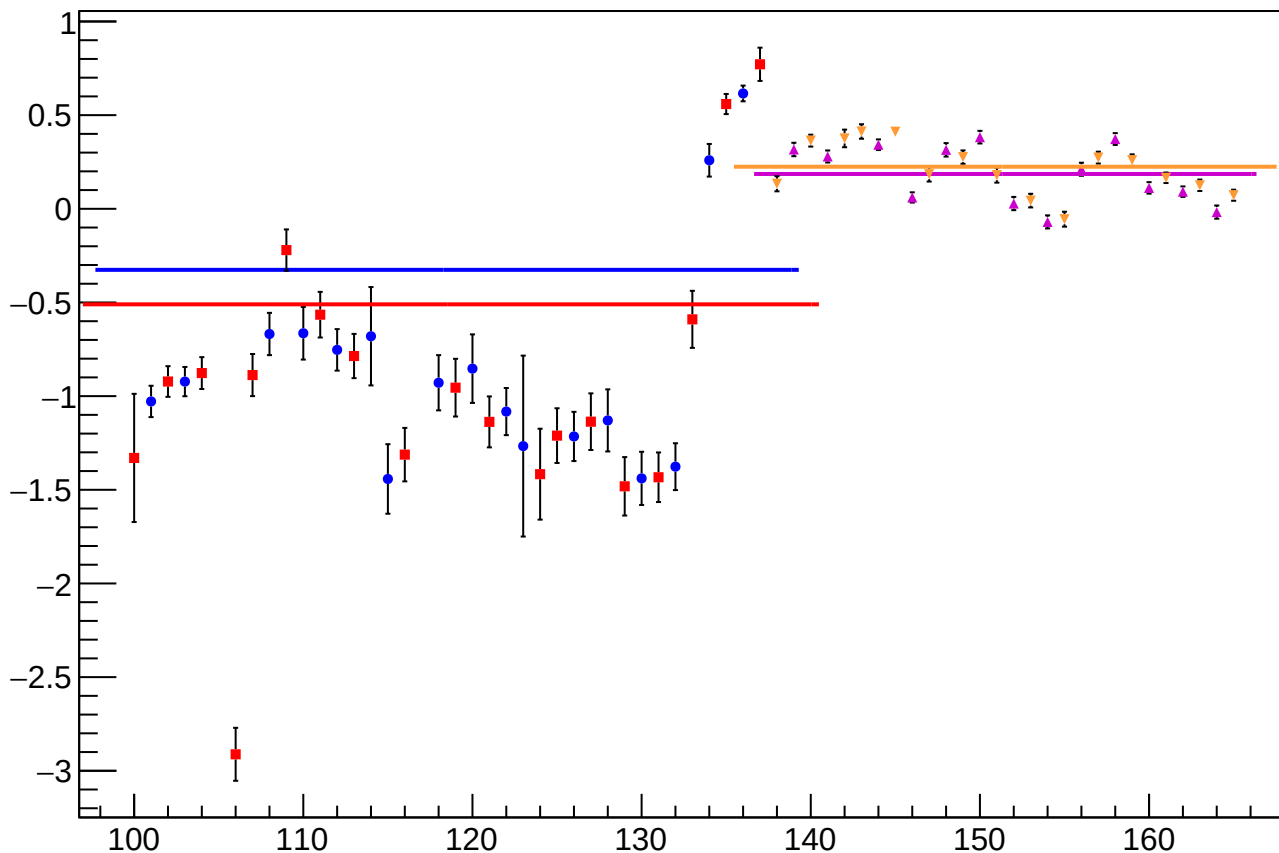
Right: 27.956 $\pm$ 0.331 χ^2 /NDF: 6365.5/35

In: 39.297 $\pm$ 0.172 χ^2 /NDF: 4501.3/29

Out: 39.113 $\pm$ 0.170 χ^2 /NDF: 4289.5/33

All: 39.204 $\pm$ 0.121 χ^2 /NDF: 8791.3/63

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: 0.225 ± 0.009 χ^2/NDF : 241.2/14

Right Out: -0.510 ± 0.026 χ^2/NDF : 1169.4/18

Left In: 0.186 ± 0.009 χ^2/NDF : 279.3/12

Left: 0.206 ± 0.006 χ^2/NDF : 530.2/27

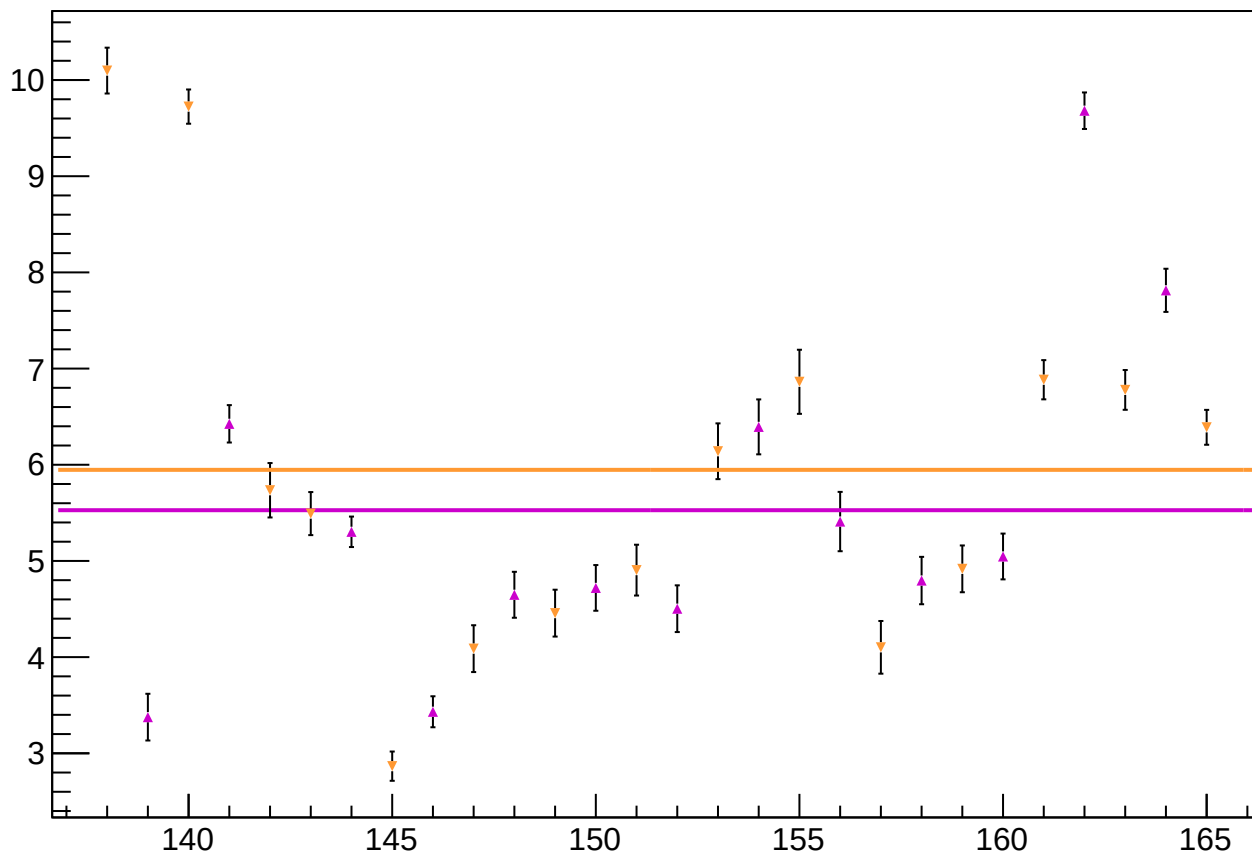
Right: -0.415 ± 0.018 χ^2/NDF : 2208.8/35

In: 0.128 ± 0.008 χ^2/NDF : 1666.7/29

Out: 0.150 ± 0.008 χ^2/NDF : 2144.5/33

All: 0.139 ± 0.006 χ^2/NDF : 3814.9/63

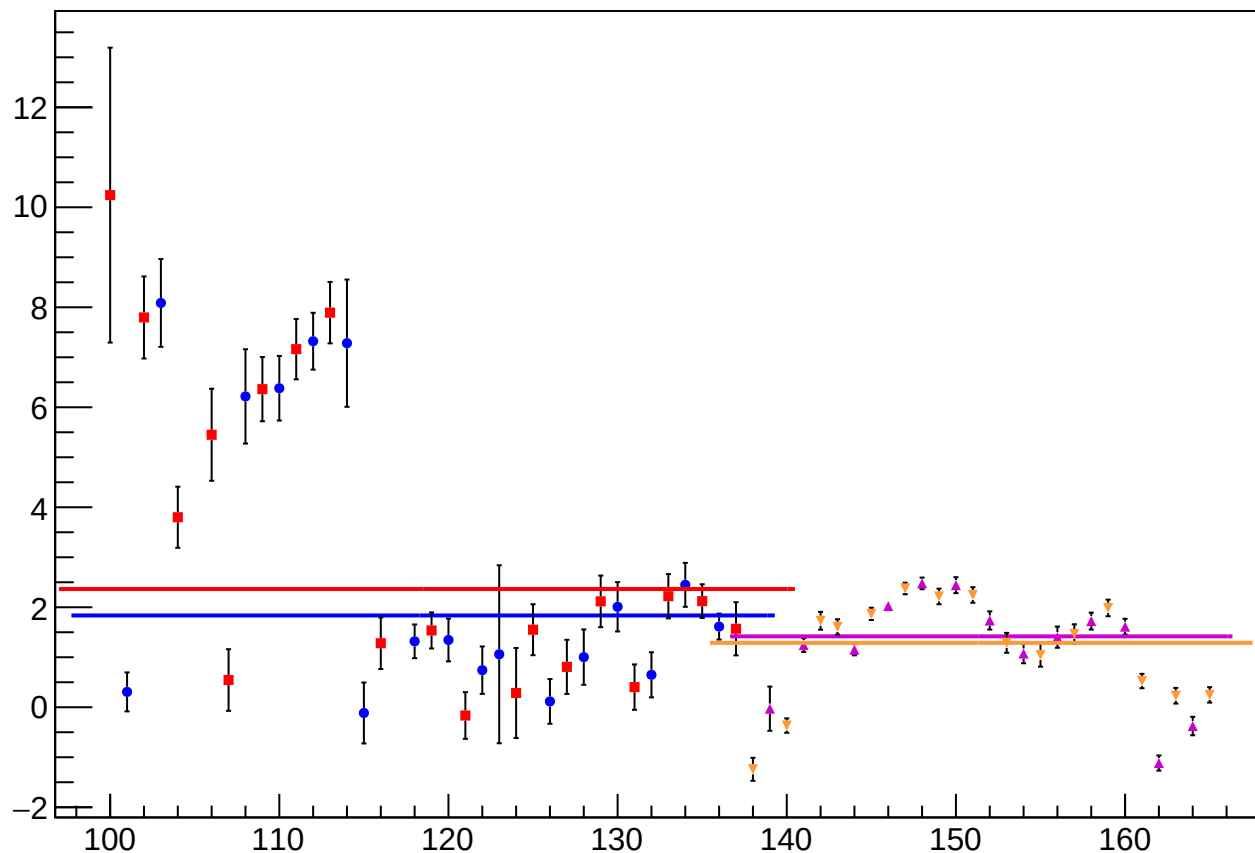
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.947+/-0.058 χ^2/NDF :1393.9/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.527+/-0.060 χ^2/NDF :918.5/12

Left: 5.746+/-0.042 χ^2/NDF : 2338.0/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.527+/-0.060 χ^2/NDF :918.5/12
 Out: 5.947+/-0.058 χ^2/NDF :1393.9/14
 All: 5.746+/-0.042 χ^2/NDF : 2338.0/27

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.836 $\pm$ 0.116 χ^2 /NDF: 294.9/16

Left Out: 1.288 $\pm$ 0.041 χ^2 /NDF: 587.3/14

Right Out: 2.365 $\pm$ 0.123 χ^2 /NDF: 336.4/18

Left In: 1.418 $\pm$ 0.041 χ^2 /NDF: 566.2/12

Left: 1.351 $\pm$ 0.029 χ^2 /NDF: 1158.5/27

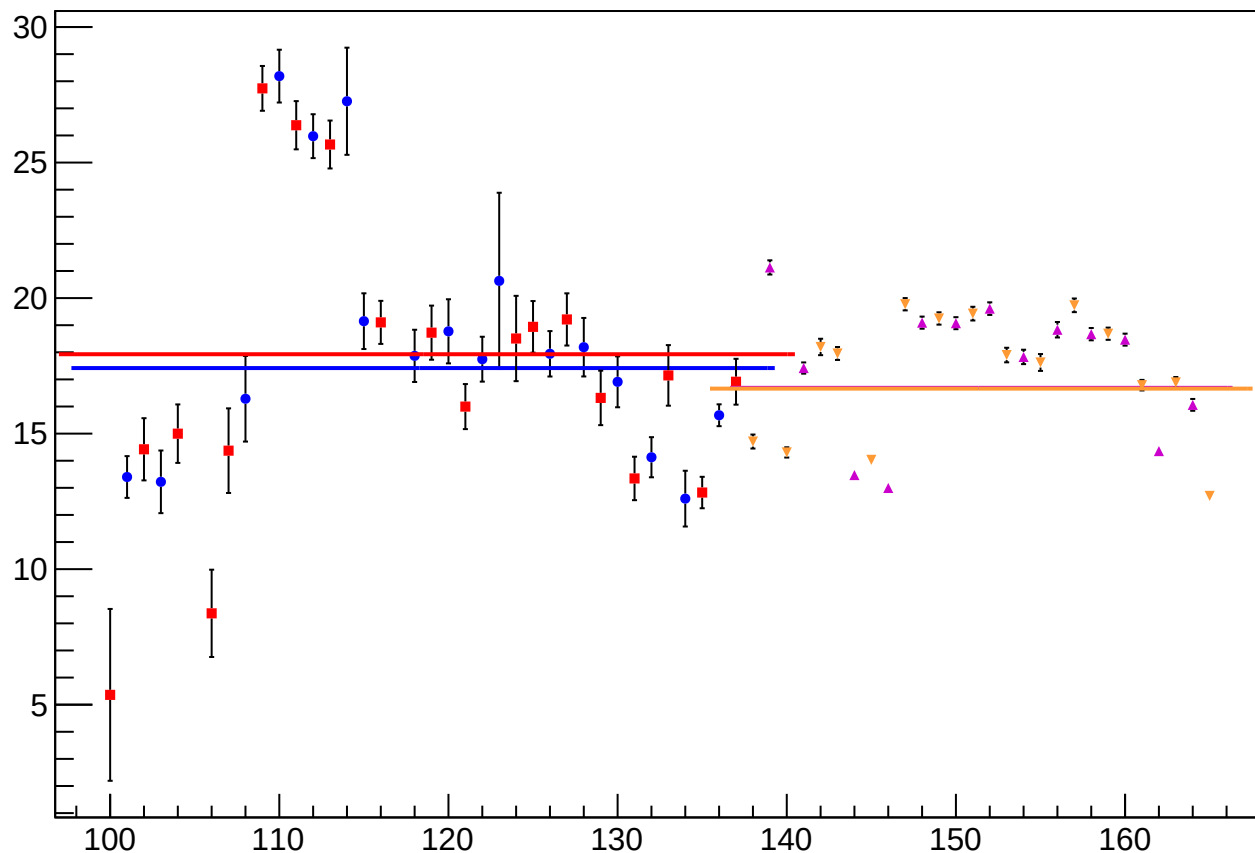
Right: 2.086 $\pm$ 0.084 χ^2 /NDF: 641.1/35

In: 1.465 $\pm$ 0.039 χ^2 /NDF: 872.6/29

Out: 1.395 $\pm$ 0.039 χ^2 /NDF: 993.2/33

All: 1.429 $\pm$ 0.027 χ^2 /NDF: 1867.4/63

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.418 $\pm$ 0.212 χ^2 /NDF: 366.8/16

Left Out: 16.660 $\pm$ 0.057 χ^2 /NDF:1711.3/14

Right Out: 17.929 $\pm$ 0.219 χ^2 /NDF: 506.3/18

Left In: 16.689 $\pm$ 0.059 χ^2 /NDF:2003.7/12

Left: 16.674 $\pm$ 0.041 χ^2 /NDF: 3715.1/27

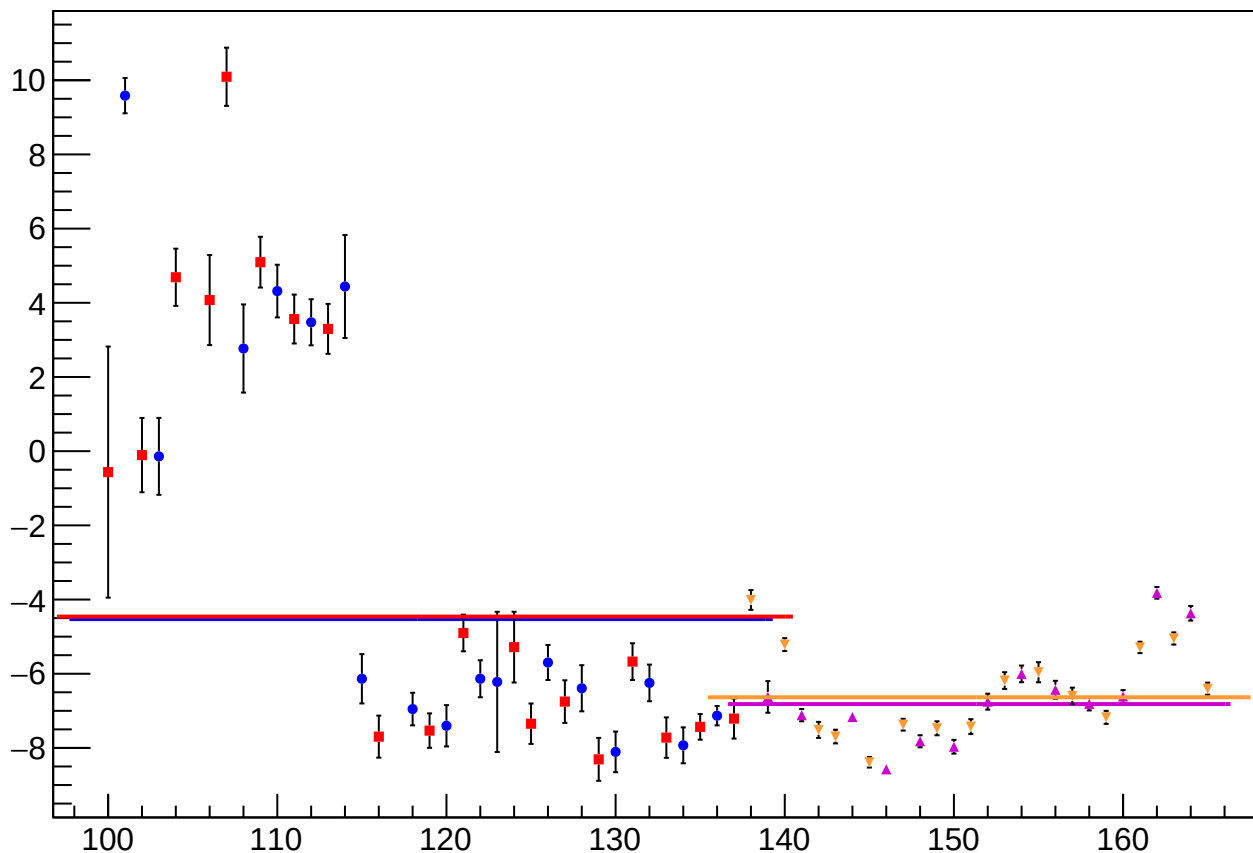
Right: 17.665 $\pm$ 0.152 χ^2 /NDF: 876.0/35

In: 16.741 $\pm$ 0.057 χ^2 /NDF:2381.5/29

Out: 16.741 $\pm$ 0.055 χ^2 /NDF:2249.1/33

All: 16.741 $\pm$ 0.040 χ^2 /NDF: 4630.6/63

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.526 ± 0.130 $\chi^2/\text{NDF}: 1590.2/16$

Left Out: -6.635 ± 0.048 $\chi^2/\text{NDF}: 613.5/14$

Right Out: -4.459 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.818 ± 0.049 $\chi^2/\text{NDF}: 819.6/12$

Left: -6.724 ± 0.034 $\chi^2/\text{NDF}: 1440.3/27$

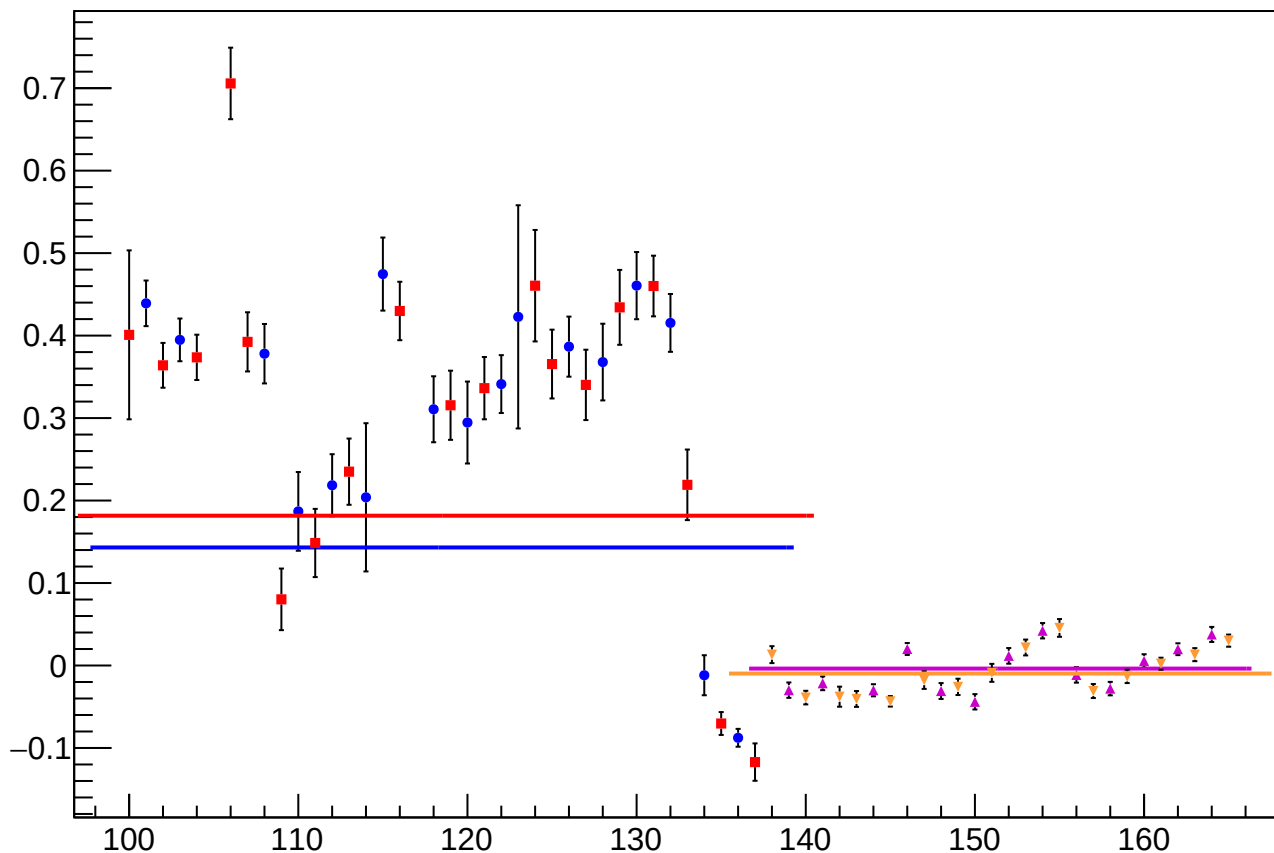
Right: -4.494 ± 0.094 $\chi^2/\text{NDF}: 2929.2/35$

In: -6.532 ± 0.046 $\chi^2/\text{NDF}: 2684.0/29$

Out: -6.401 ± 0.045 $\chi^2/\text{NDF}: 2177.6/33$

All: -6.465 ± 0.032 $\chi^2/\text{NDF}: 4865.7/63$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 ± 0.007 $\chi^2/\text{NDF}: 1060.4/16$

Left Out: -0.010 ± 0.002 $\chi^2/\text{NDF}: 148.3/14$

Right Out: 0.182 ± 0.007 $\chi^2/\text{NDF}: 1007.8/18$

Left In: -0.004 ± 0.002 $\chi^2/\text{NDF}: 131.8/12$

Left: -0.007 ± 0.002 $\chi^2/\text{NDF}: 283.6/27$

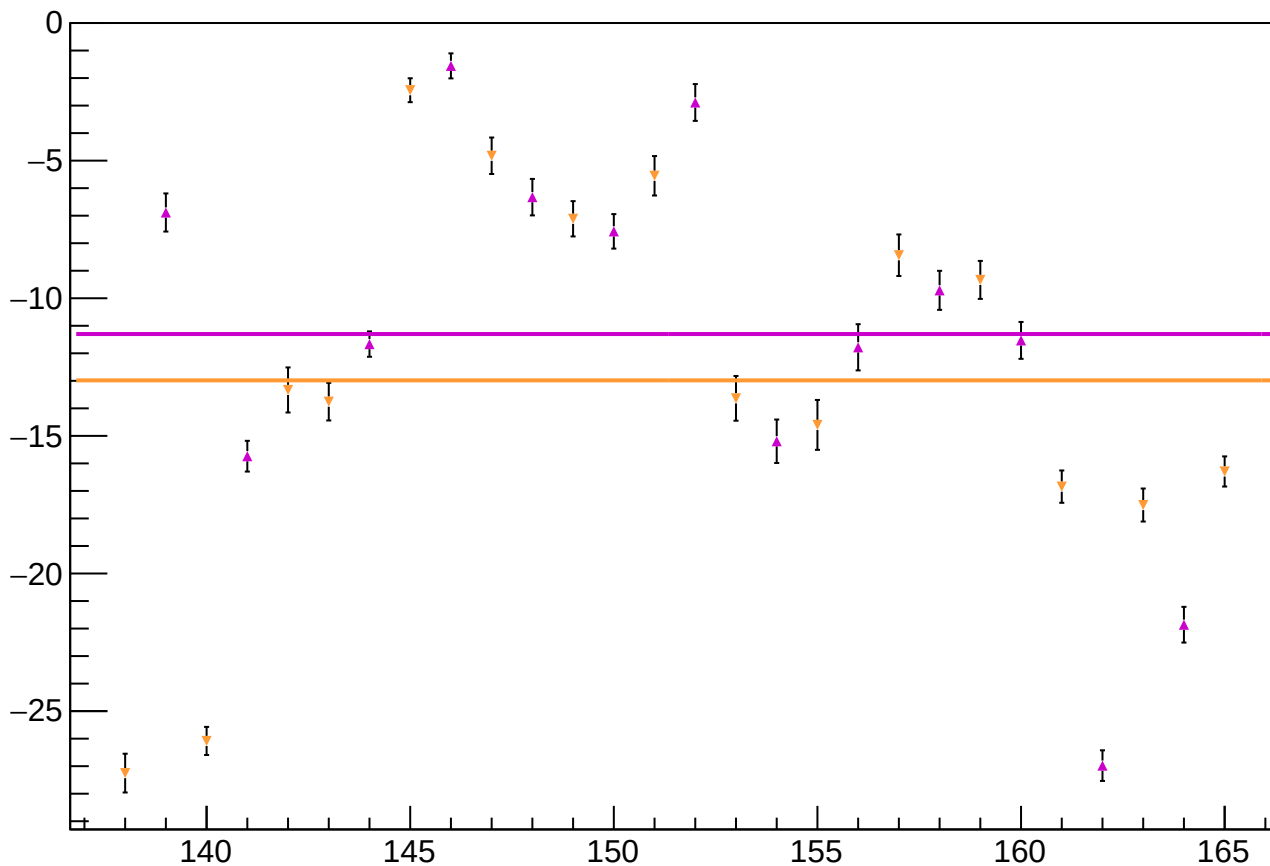
Right: 0.161 ± 0.005 $\chi^2/\text{NDF}: 2082.4/35$

In: 0.011 ± 0.002 $\chi^2/\text{NDF}: 1582.8/29$

Out: 0.007 ± 0.002 $\chi^2/\text{NDF}: 1770.1/33$

All: 0.009 ± 0.002 $\chi^2/\text{NDF}: 3354.8/63$

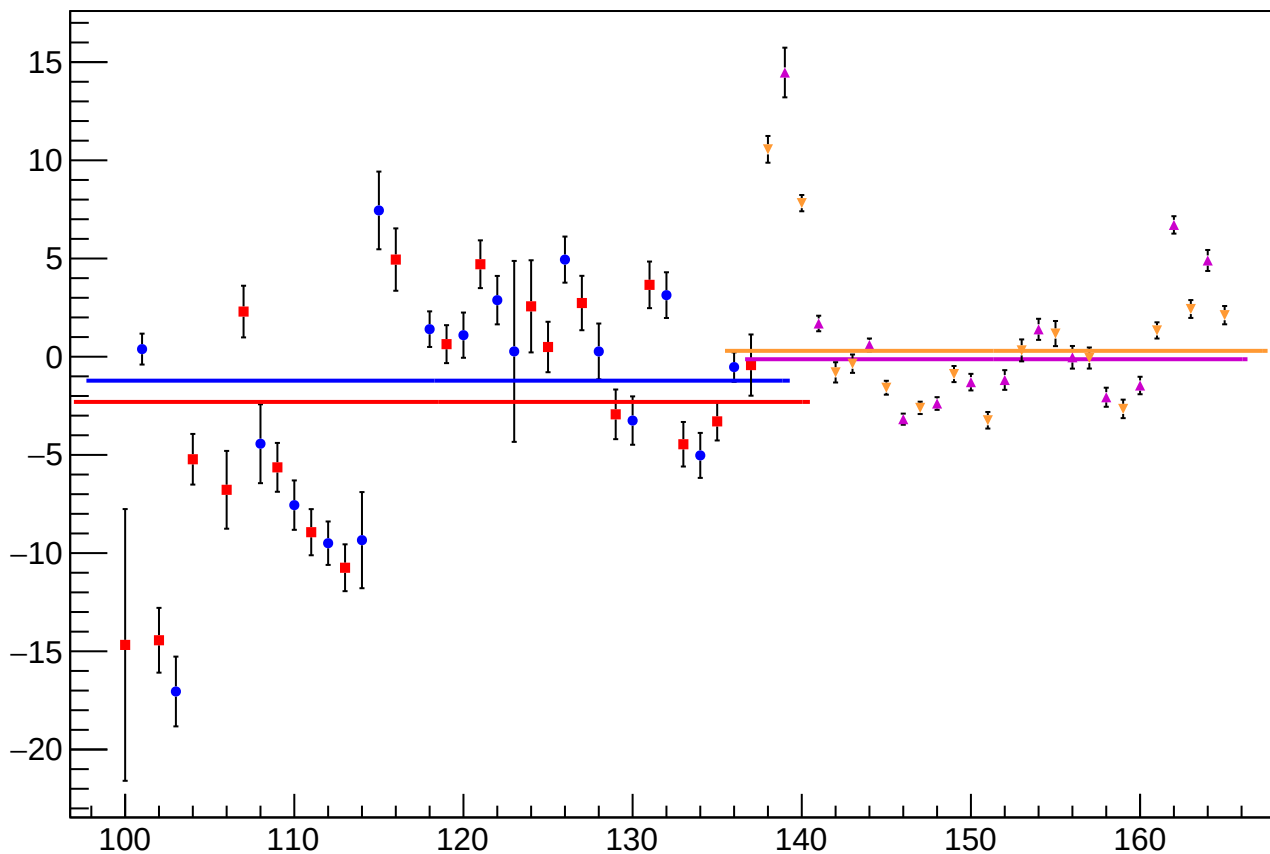
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -12.983+/-0.164 χ^2/NDF :2207.4/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -11.300+/-0.170 χ^2/NDF :1904.1/12

Left: -12.169+/-0.118 χ^2/NDF : 4162.4/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -11.300+/-0.170 χ^2/NDF :1904.1/12
 Out: -12.983+/-0.164 χ^2/NDF :2207.4/14
 All: -12.169+/-0.118 χ^2/NDF : 4162.4/27

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.220 $\pm$ 0.290 χ^2/NDF : 278.6/16

Left Out: 0.299 $\pm$ 0.116 χ^2/NDF :840.5/14

Right Out: -2.302 $\pm$ 0.302 χ^2/NDF : 286.2/18

Left In: -0.128 $\pm$ 0.118 χ^2/NDF :696.6/12

Left: 0.089 $\pm$ 0.082 χ^2/NDF : 1543.7/27

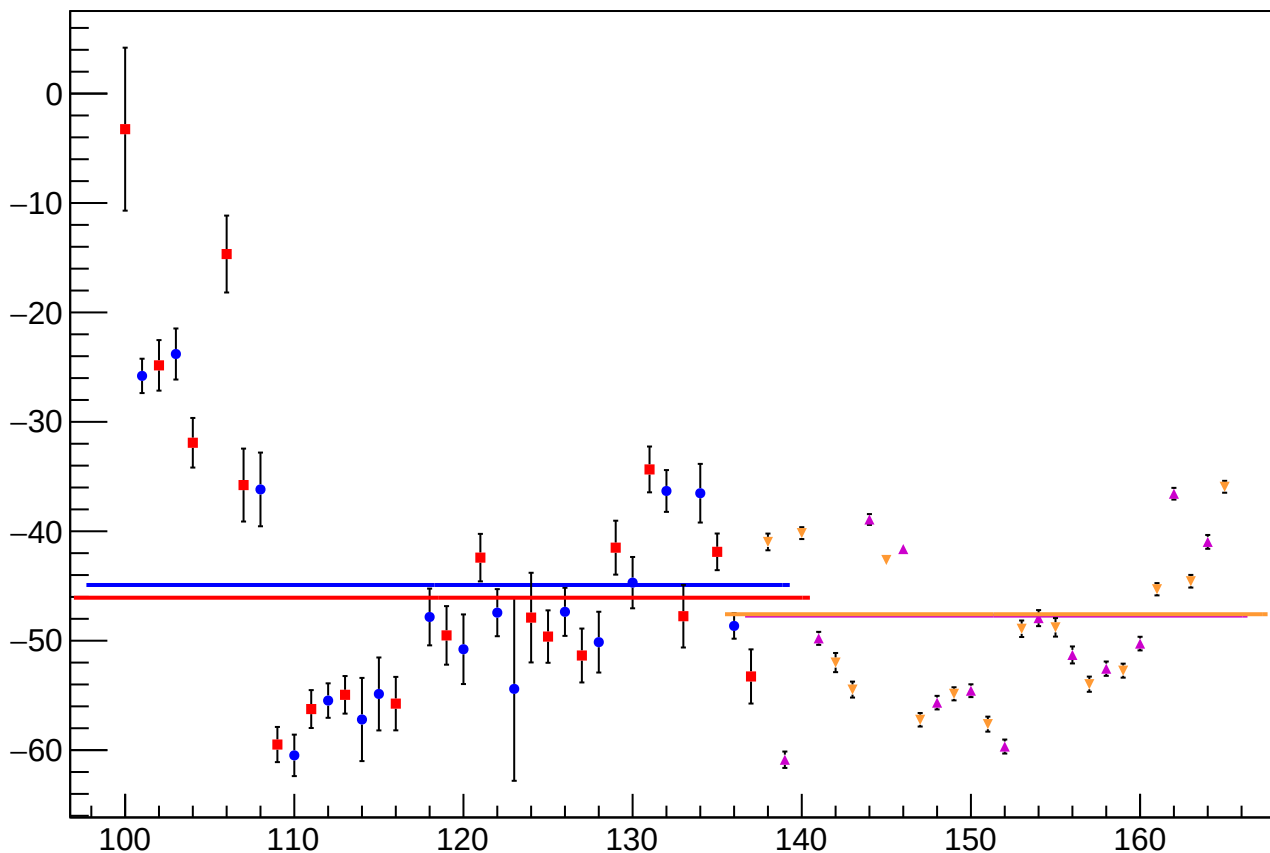
Right: -1.738 $\pm$ 0.209 χ^2/NDF : 571.5/35

In: -0.283 $\pm$ 0.109 χ^2/NDF :987.3/29

Out: -0.033 $\pm$ 0.108 χ^2/NDF :1191.2/33

All: -0.156 $\pm$ 0.077 χ^2/NDF : 2181.2/63

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.908 $\pm$ 0.523 χ^2 /NDF: 421.2/16

Left Out: -47.580 $\pm$ 0.163 χ^2 /NDF:1753.0/14

Right Out: -46.071 $\pm$ 0.528 χ^2 /NDF: 454.0/18

Left In: -47.705 $\pm$ 0.166 χ^2 /NDF:2122.7/12

Left: -47.641 $\pm$ 0.116 χ^2 /NDF: 3876.0/27

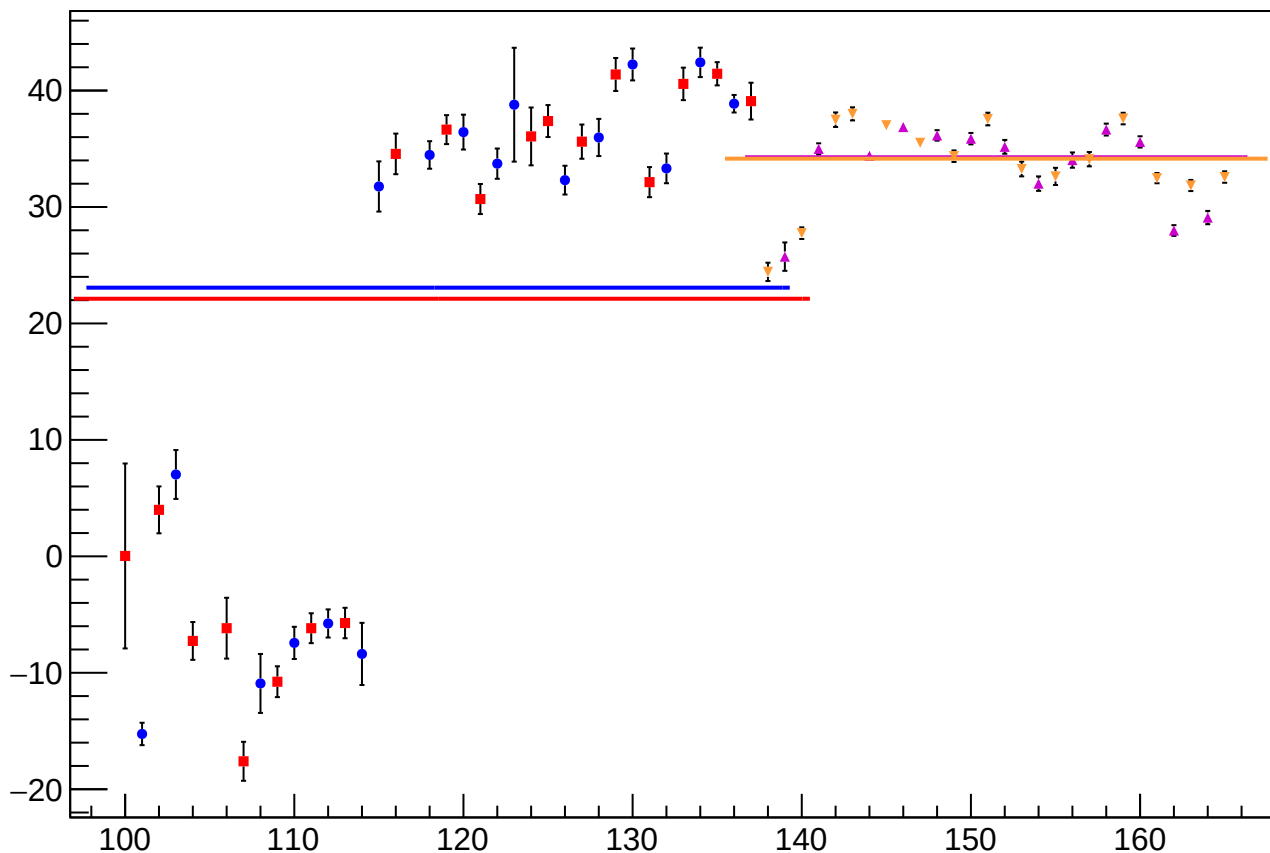
Right: -45.483 $\pm$ 0.371 χ^2 /NDF: 877.6/35

In: -47.449 $\pm$ 0.158 χ^2 /NDF:2569.9/29

Out: -47.450 $\pm$ 0.156 χ^2 /NDF:2214.5/33

All: -47.449 $\pm$ 0.111 χ^2 /NDF: 4784.4/63

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.073 $\pm$ 0.326 χ^2 /NDF: 4346.0/16

Left Out: 34.152 $\pm$ 0.135 χ^2 /NDF:591.9/14

Right Out: 22.122 $\pm$ 0.340 χ^2 /NDF: 4034.4/18

Left In: 34.273 $\pm$ 0.138 χ^2 /NDF:445.1/12

Left: 34.211 $\pm$ 0.097 χ^2 /NDF: 1037.4/27

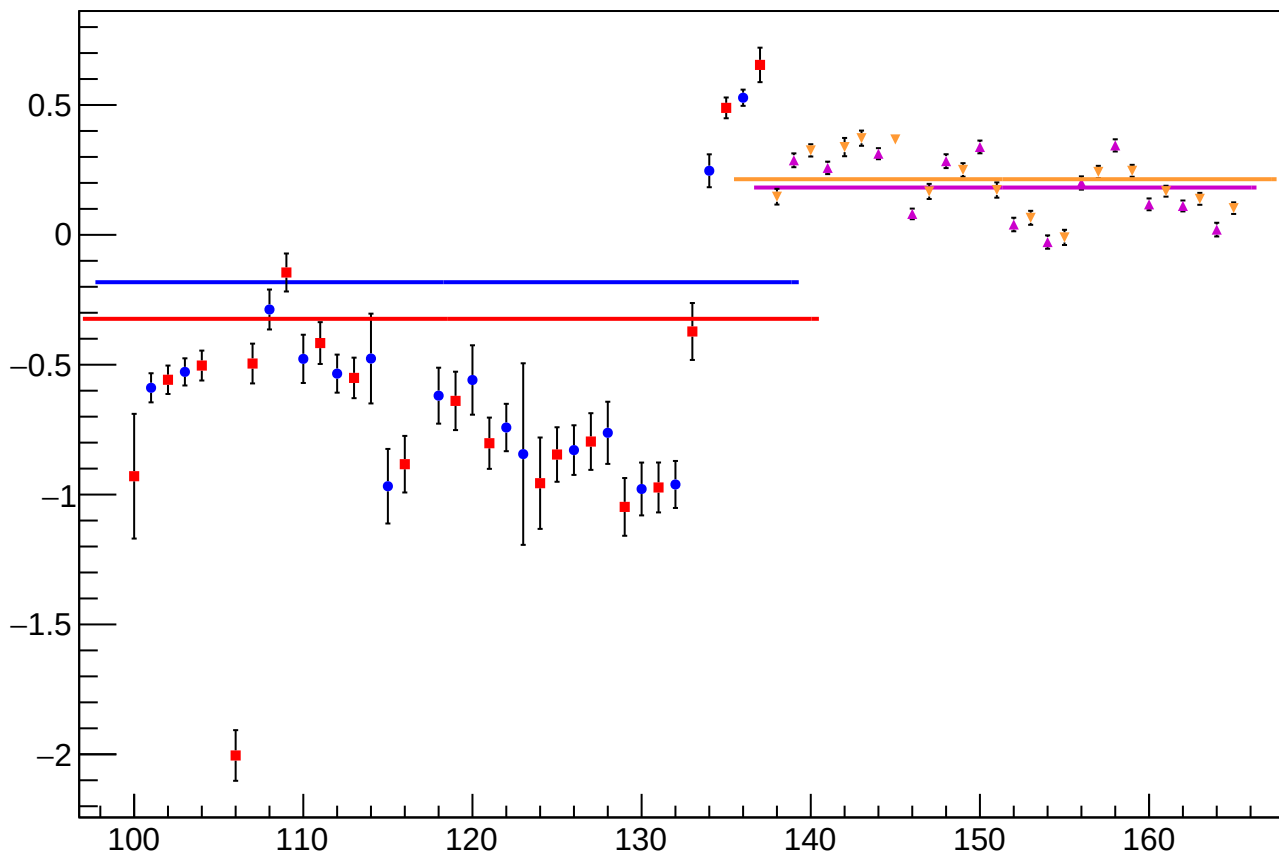
Right: 22.617 $\pm$ 0.235 χ^2 /NDF: 8384.4/35

In: 32.563 $\pm$ 0.127 χ^2 /NDF:5791.1/29

Out: 32.510 $\pm$ 0.126 χ^2 /NDF:5708.0/33

All: 32.536 $\pm$ 0.089 χ^2 /NDF: 11499.2/63

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.182 ± 0.018 χ^2/NDF : 998.1/16

Left Out: 0.214 ± 0.006 χ^2/NDF : 279.7/14

Right Out: -0.323 ± 0.018 χ^2/NDF : 1184.5/18

Left In: 0.182 ± 0.007 χ^2/NDF : 344.2/12

Left: 0.199 ± 0.005 χ^2/NDF : 636.0/27

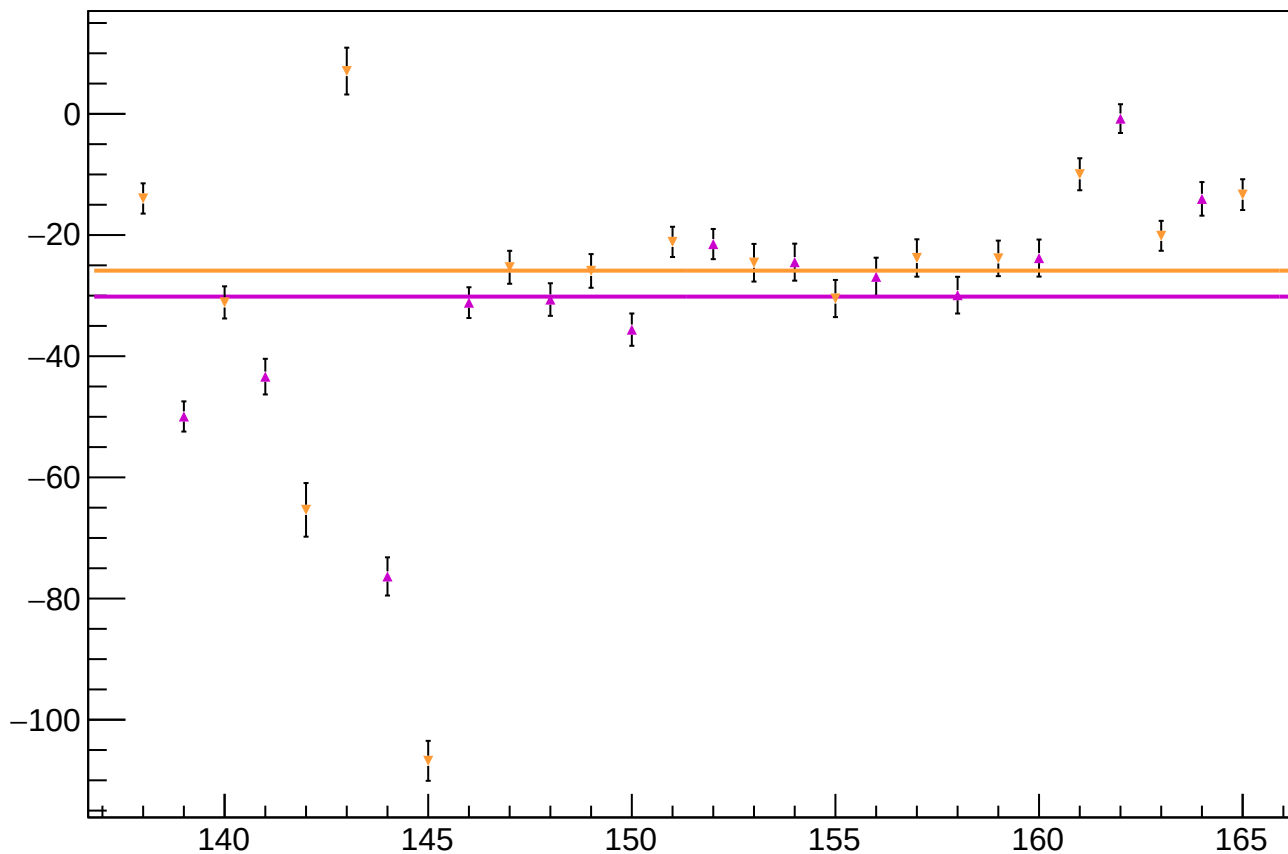
Right: -0.251 ± 0.013 χ^2/NDF : 2213.4/35

In: 0.137 ± 0.006 χ^2/NDF : 1713.1/29

Out: 0.154 ± 0.006 χ^2/NDF : 2242.7/33

All: 0.146 ± 0.004 χ^2/NDF : 3959.6/63

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -25.874 ± 0.739 χ^2/NDF : 854.4/14

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -30.162 ± 0.766 χ^2/NDF : 509.9/12

Left: -27.941 ± 0.532 χ^2/NDF : 1380.5/27

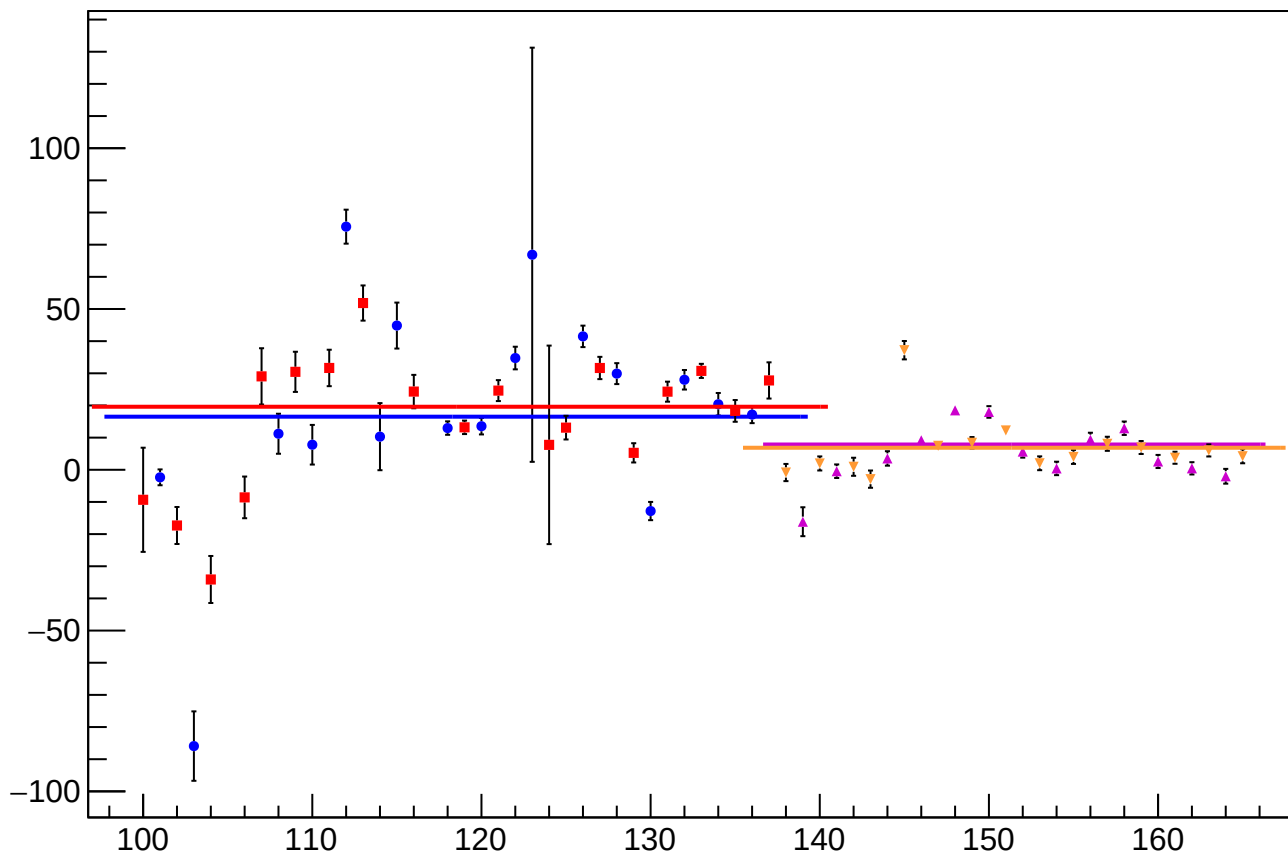
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -30.162 ± 0.766 χ^2/NDF : 509.9/12

Out: -25.874 ± 0.739 χ^2/NDF : 854.4/14

All: -27.941 ± 0.532 χ^2/NDF : 1380.5/27

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.512 $\pm$ 0.847 χ^2 /NDF: 519.6/16

Left Out: 6.850 $\pm$ 0.513 χ^2 /NDF: 170.6/14

Right Out: 19.604 $\pm$ 0.898 χ^2 /NDF: 242.0/18

Left In: 7.862 $\pm$ 0.537 χ^2 /NDF: 206.6/12

Left: 7.333 $\pm$ 0.371 χ^2 /NDF: 379.0/27

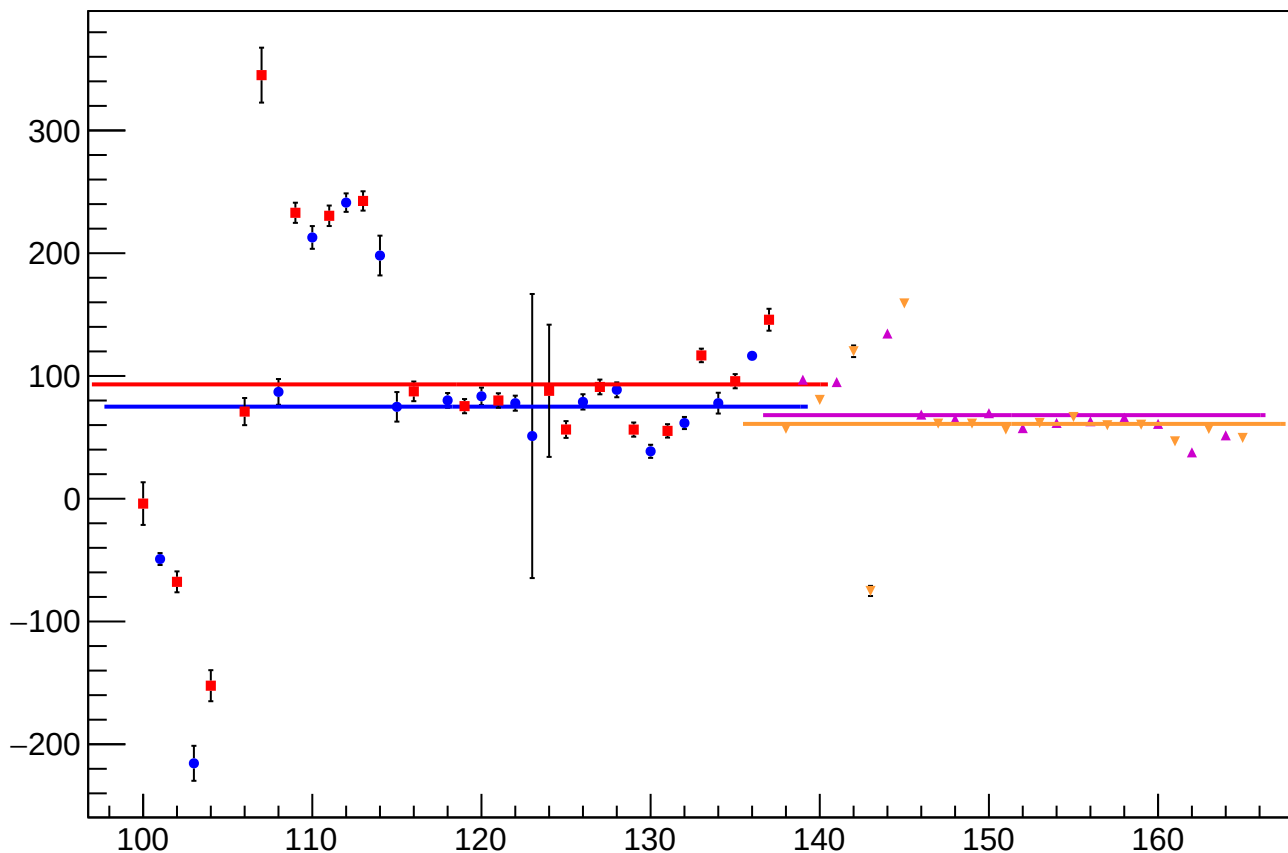
Right: 17.968 $\pm$ 0.616 χ^2 /NDF: 767.9/35

In: 10.337 $\pm$ 0.453 χ^2 /NDF: 800.6/29

Out: 9.982 $\pm$ 0.445 χ^2 /NDF: 564.6/33

All: 10.156 $\pm$ 0.318 χ^2 /NDF: 1365.5/63

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.009 $\pm$ 1.636 χ^2 /NDF: 1999.3/16

Left Out: 60.958 $\pm$ 0.722 χ^2 /NDF:2178.5/14

Right Out: 93.140 $\pm$ 1.711 χ^2 /NDF: 2002.3/18

Left In: 68.093 $\pm$ 0.743 χ^2 /NDF:826.9/12

Left: 64.423 $\pm$ 0.518 χ^2 /NDF: 3052.9/27

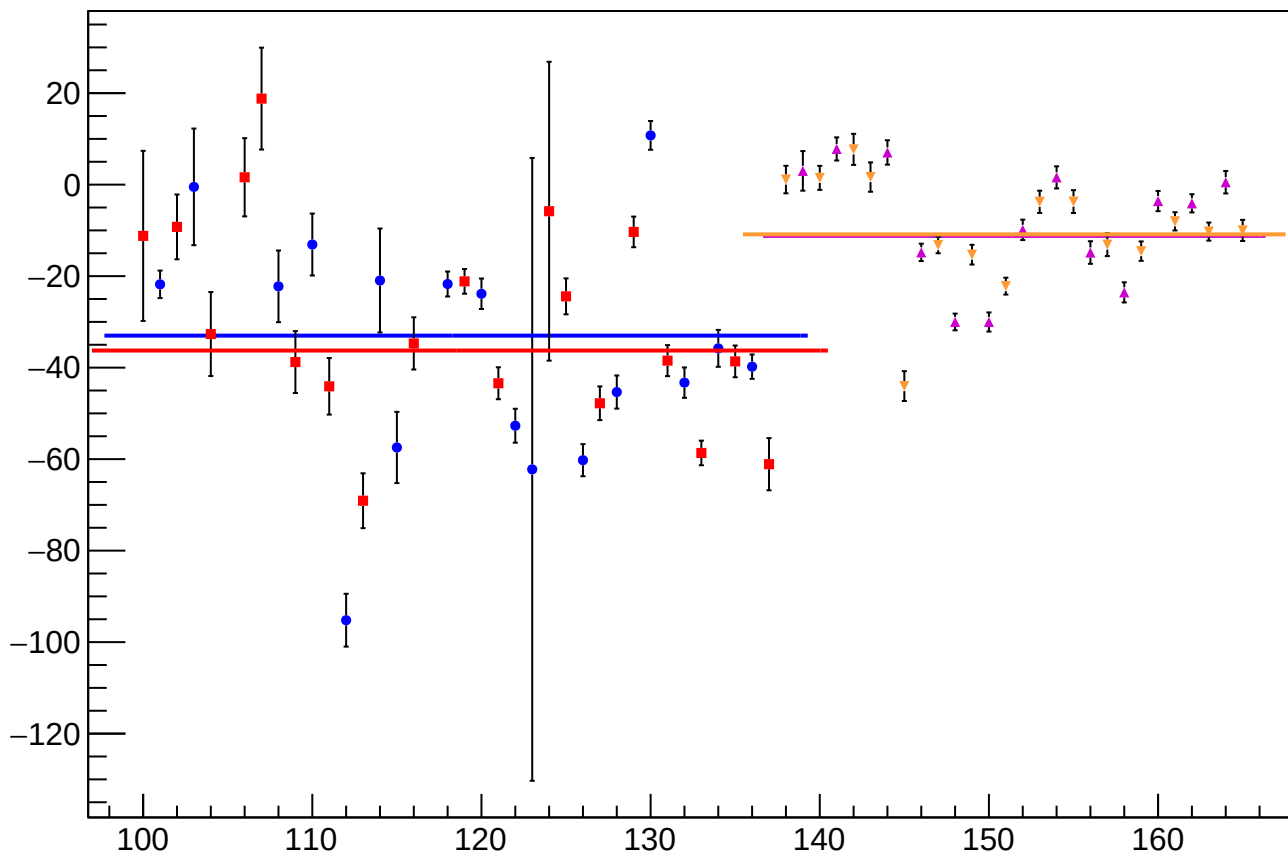
Right: 83.668 $\pm$ 1.183 χ^2 /NDF: 4060.3/35

In: 69.275 $\pm$ 0.676 χ^2 /NDF:2841.1/29

Out: 65.820 $\pm$ 0.665 χ^2 /NDF:4481.1/33

All: 67.519 $\pm$ 0.474 χ^2 /NDF: 7335.5/63

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.005 ± 0.972 χ^2/NDF : 493.1/16

Left Out: -10.865 ± 0.602 χ^2/NDF : 253.1/14

Right Out: -36.260 ± 1.025 χ^2/NDF : 297.1/18

Left In: -11.206 ± 0.630 χ^2/NDF : 414.3/12

Left: -11.028 ± 0.435 χ^2/NDF : 667.5/27

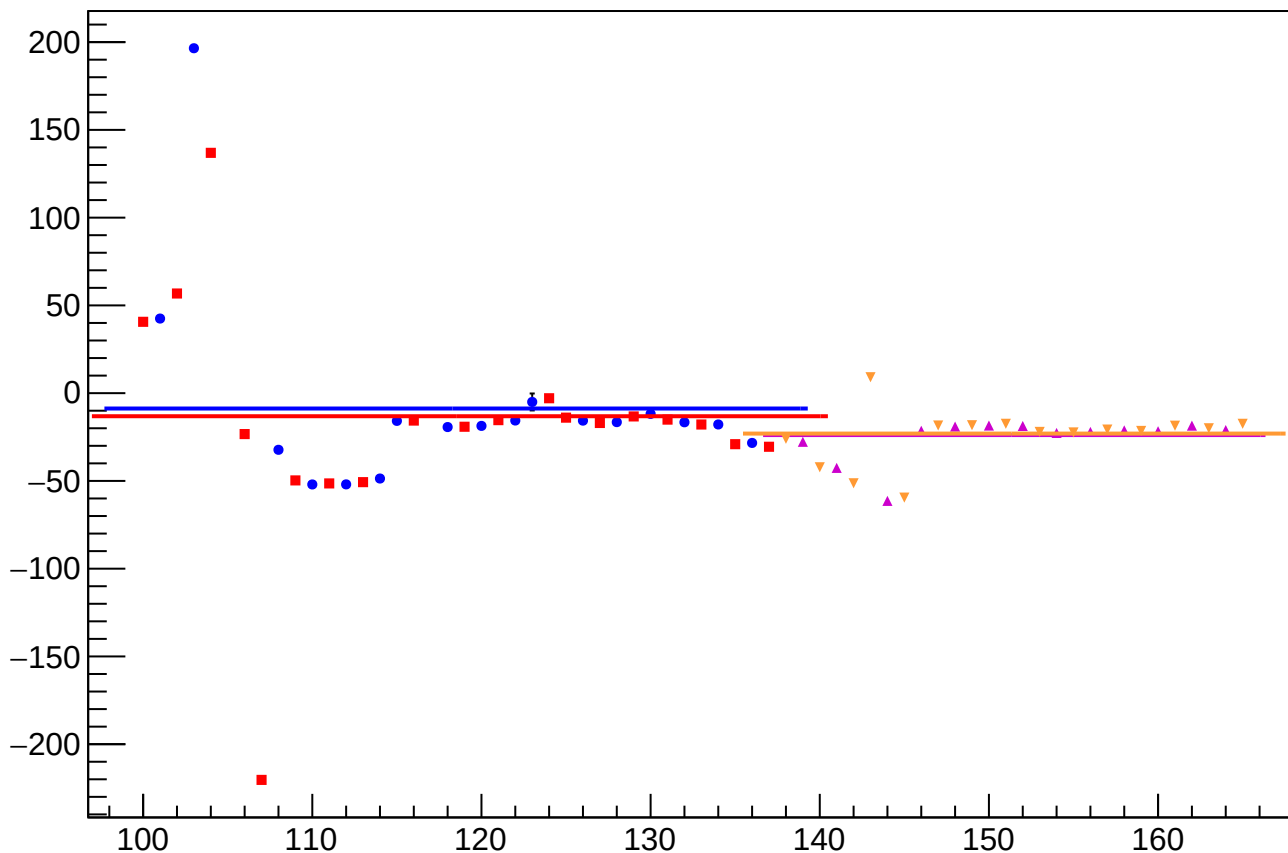
Right: -34.545 ± 0.705 χ^2/NDF : 795.4/35

In: -17.651 ± 0.528 χ^2/NDF : 1261.8/29

Out: -17.369 ± 0.519 χ^2/NDF : 1006.5/33

All: -17.507 ± 0.370 χ^2/NDF : 2268.4/63

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.751 ± 0.059 $\chi^2/\text{NDF}: 576012.4/16$

Left Out: -23.032 ± 0.028 $\chi^2/\text{NDF}: 171256.4/14$

Right Out: -13.143 ± 0.062 $\chi^2/\text{NDF}: 558628.0/18$

Left In: -23.877 ± 0.029 $\chi^2/\text{NDF}: 101888.4/12$

Left: -23.444 ± 0.020 $\chi^2/\text{NDF}: 273578.6/27$

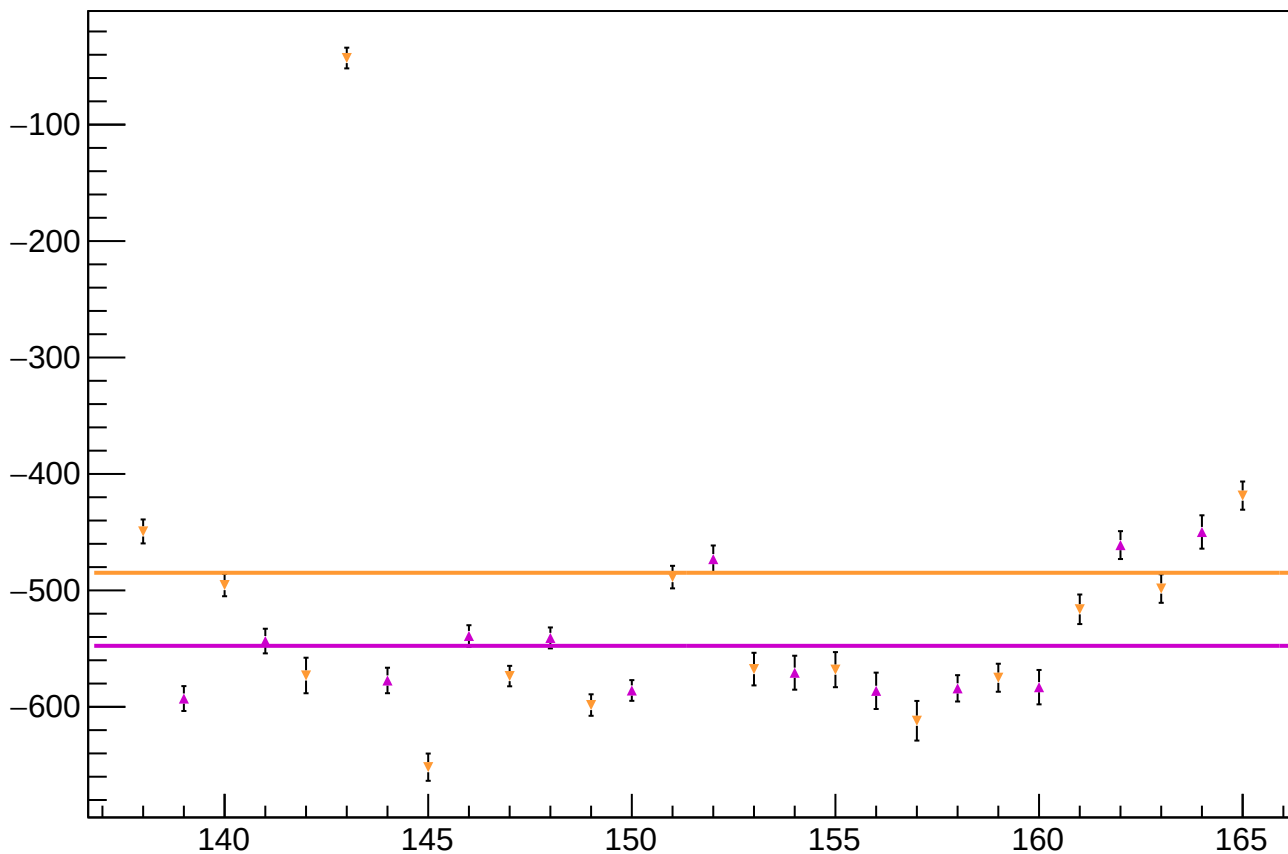
Right: -10.840 ± 0.043 $\chi^2/\text{NDF}: 1137294.9/35$

In: -20.907 ± 0.026 $\chi^2/\text{NDF}: 731073.6/29$

Out: -21.310 ± 0.026 $\chi^2/\text{NDF}: 751076.9/33$

All: -21.111 ± 0.018 $\chi^2/\text{NDF}: 1482271.1/63$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -484.861+/-2.894 χ^2/NDF :3185.6/14

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

Left In: -547.598+/-3.113 χ^2/NDF :209.7/12

Left: -513.942+/-2.119 χ^2/NDF : 3613.1/27

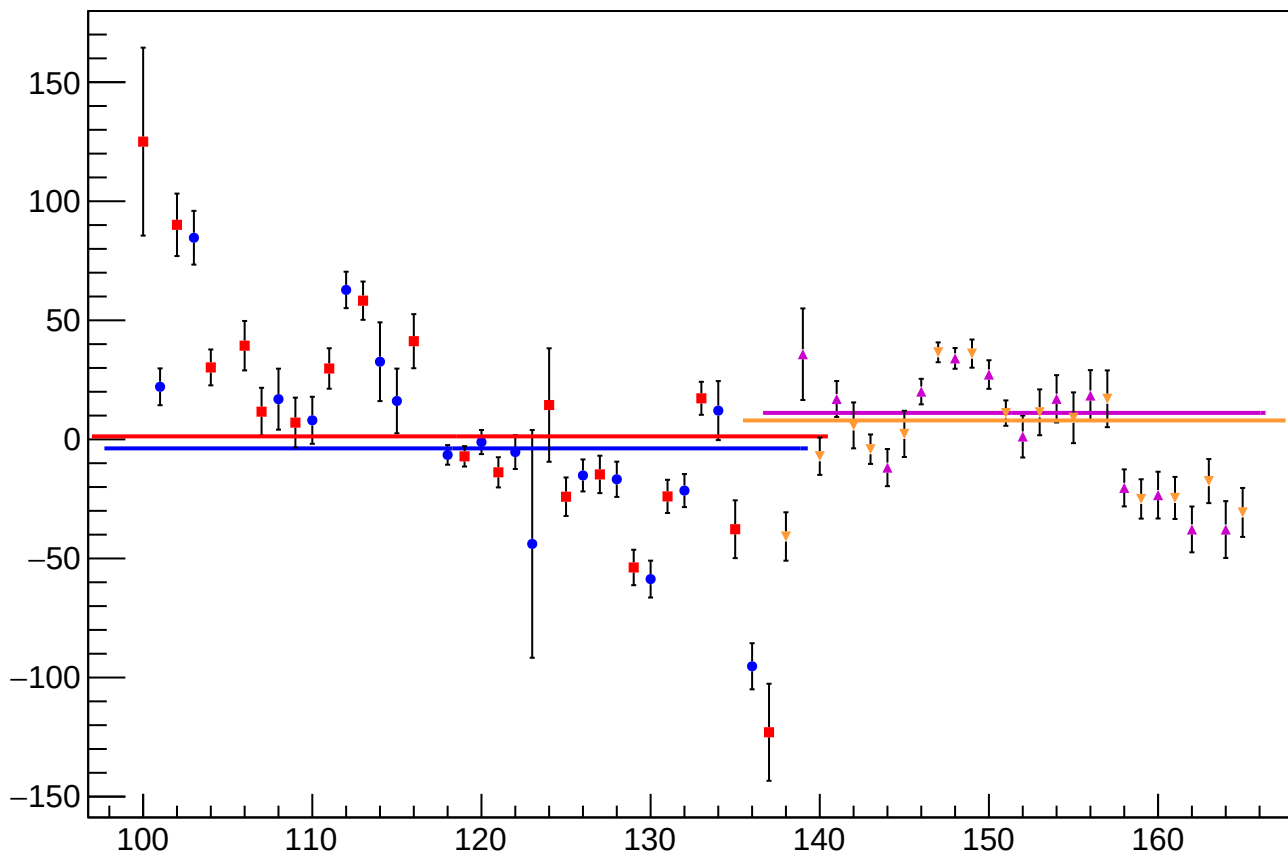
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -547.598+/-3.113 χ^2/NDF :209.7/12

Out: -484.861+/-2.894 χ^2/NDF :3185.6/14

All: -513.942+/-2.119 χ^2/NDF : 3613.1/27

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773 ± 1.889 χ^2/NDF : 314.3/16

Left Out: 7.950 ± 1.924 χ^2/NDF : 152.9/14

Right Out: 1.265 ± 1.920 χ^2/NDF : 303.7/18

Left In: 11.133 ± 2.091 χ^2/NDF : 122.2/12

Left: 9.409 ± 1.416 χ^2/NDF : 276.4/27

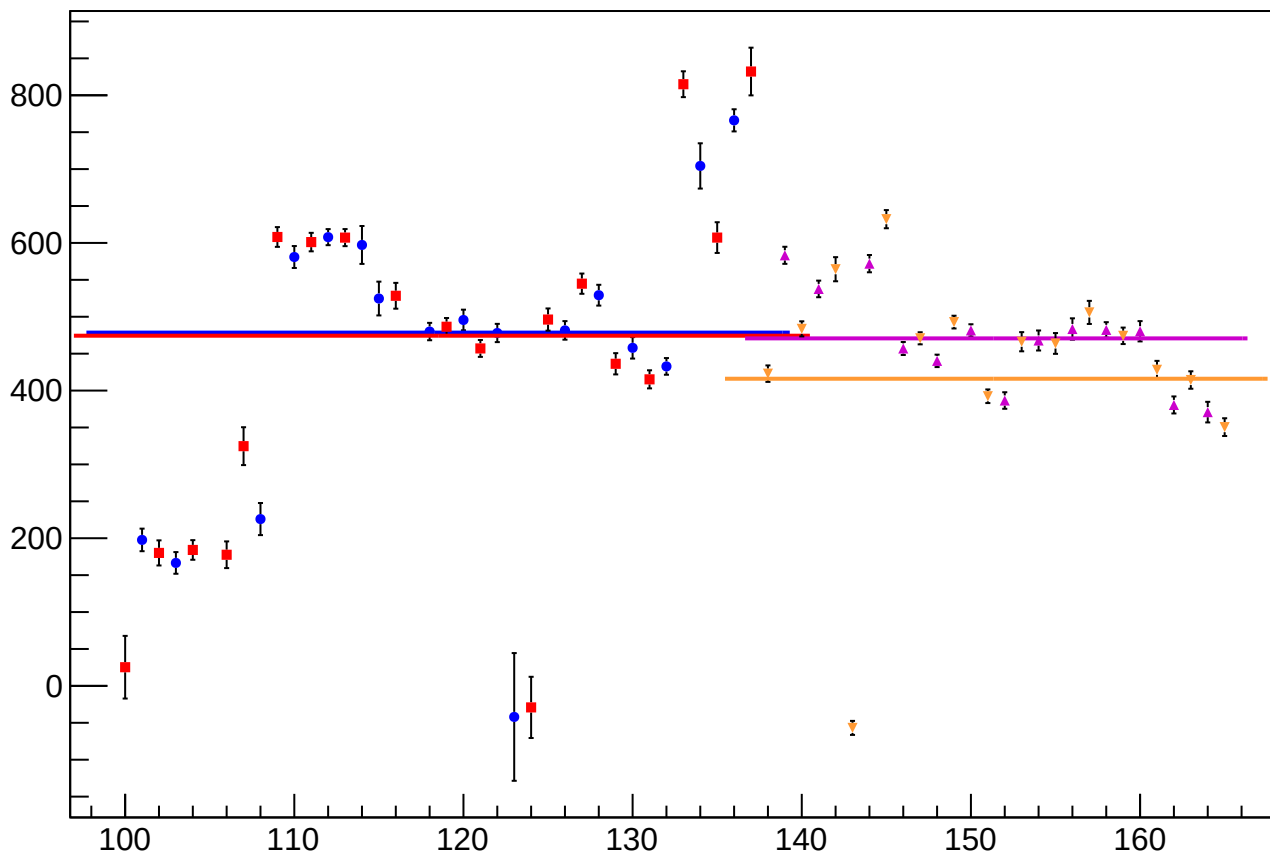
Right: -1.296 ± 1.346 χ^2/NDF : 621.6/35

In: 2.924 ± 1.401 χ^2/NDF : 464.6/29

Out: 4.601 ± 1.359 χ^2/NDF : 462.7/33

All: 3.788 ± 0.976 χ^2/NDF : 928.0/63

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.526+/-3.630 χ^2/NDF : 1629.0/16

Left Out: 416.041+/-2.851 χ^2/NDF : 3161.2/14

Right Out: 474.328+/-3.533 χ^2/NDF : 2287.1/18

Left In: 470.693+/-3.023 χ^2/NDF : 393.4/12

Left: 441.763+/-2.074 χ^2/NDF : 3727.6/27

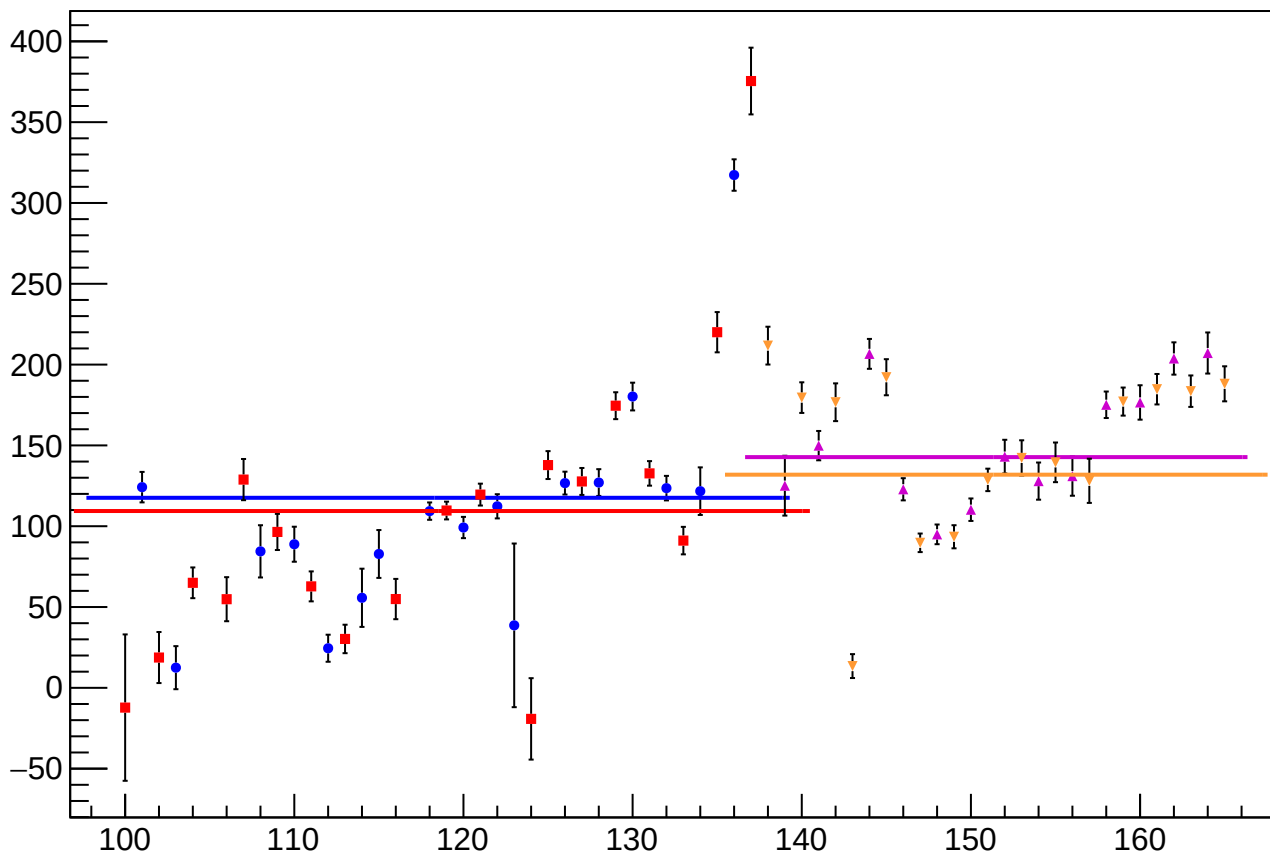
Right: 476.370+/-2.532 χ^2/NDF : 3916.8/35

In: 473.901+/-2.323 χ^2/NDF : 2025.1/29

Out: 439.027+/-2.218 χ^2/NDF : 5613.2/33

All: 455.661+/-1.604 χ^2/NDF : 7756.2/63

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: 131.886 $\pm$ 2.314 χ^2 /NDF: 570.3/14

Right Out: 109.400 $\pm$ 2.210 χ^2 /NDF: 571.2/18

Left In: 142.757 $\pm$ 2.507 χ^2 /NDF: 232.3/12

Left: 136.887 $\pm$ 1.701 χ^2 /NDF: 812.8/27

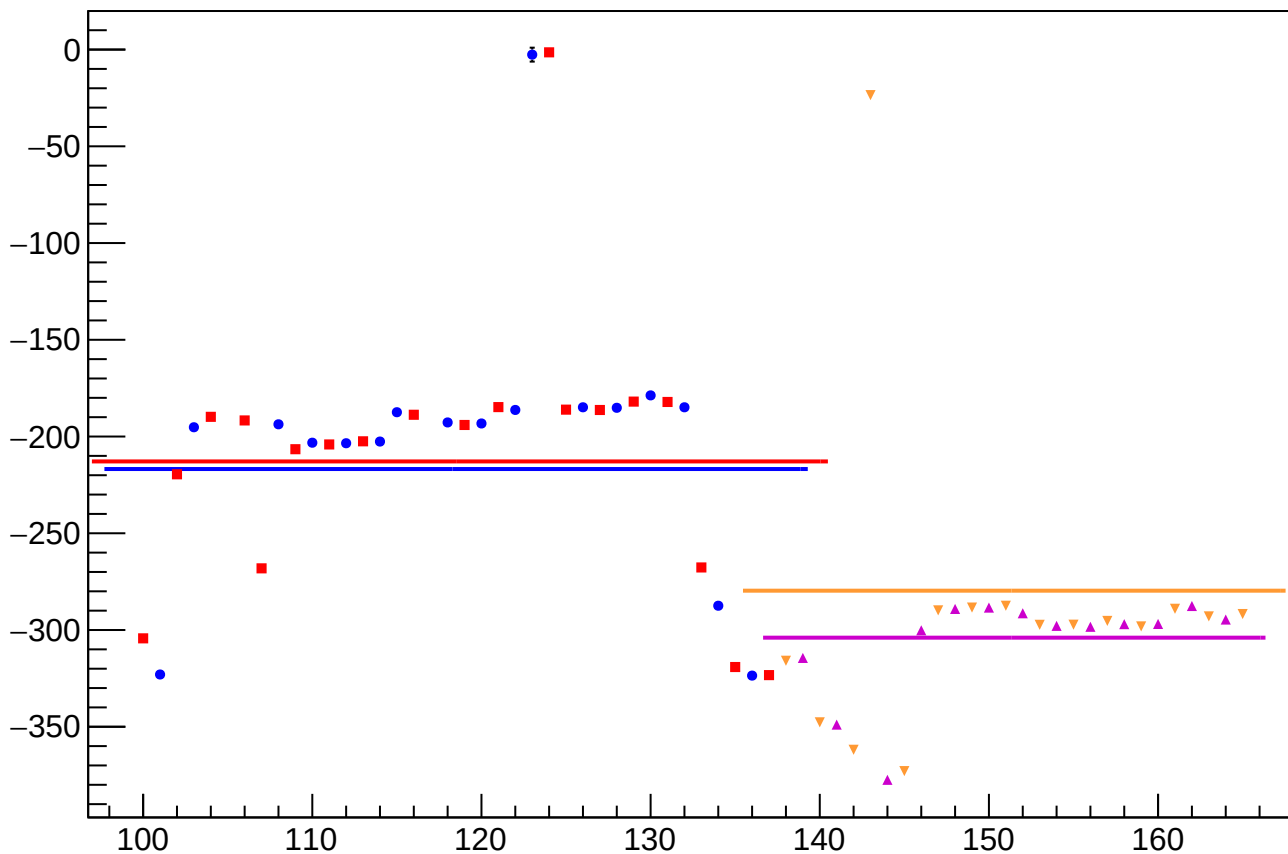
Right: 113.524 $\pm$ 1.557 χ^2 /NDF: 1285.0/35

In: 128.495 $\pm$ 1.651 χ^2 /NDF: 996.4/29

Out: 120.123 $\pm$ 1.598 χ^2 /NDF: 1190.9/33

All: 124.174 $\pm$ 1.148 χ^2 /NDF: 2200.5/63

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: -279.673 ± 0.115 $\chi^2/\text{NDF}: 545590.1/14$

Right Out: -212.869 ± 0.130 $\chi^2/\text{NDF}: 116393.6/18$

Left In: -303.958 ± 0.121 $\chi^2/\text{NDF}: 37843.5/12$

Left: -291.226 ± 0.083 $\chi^2/\text{NDF}: 604722.2/27$

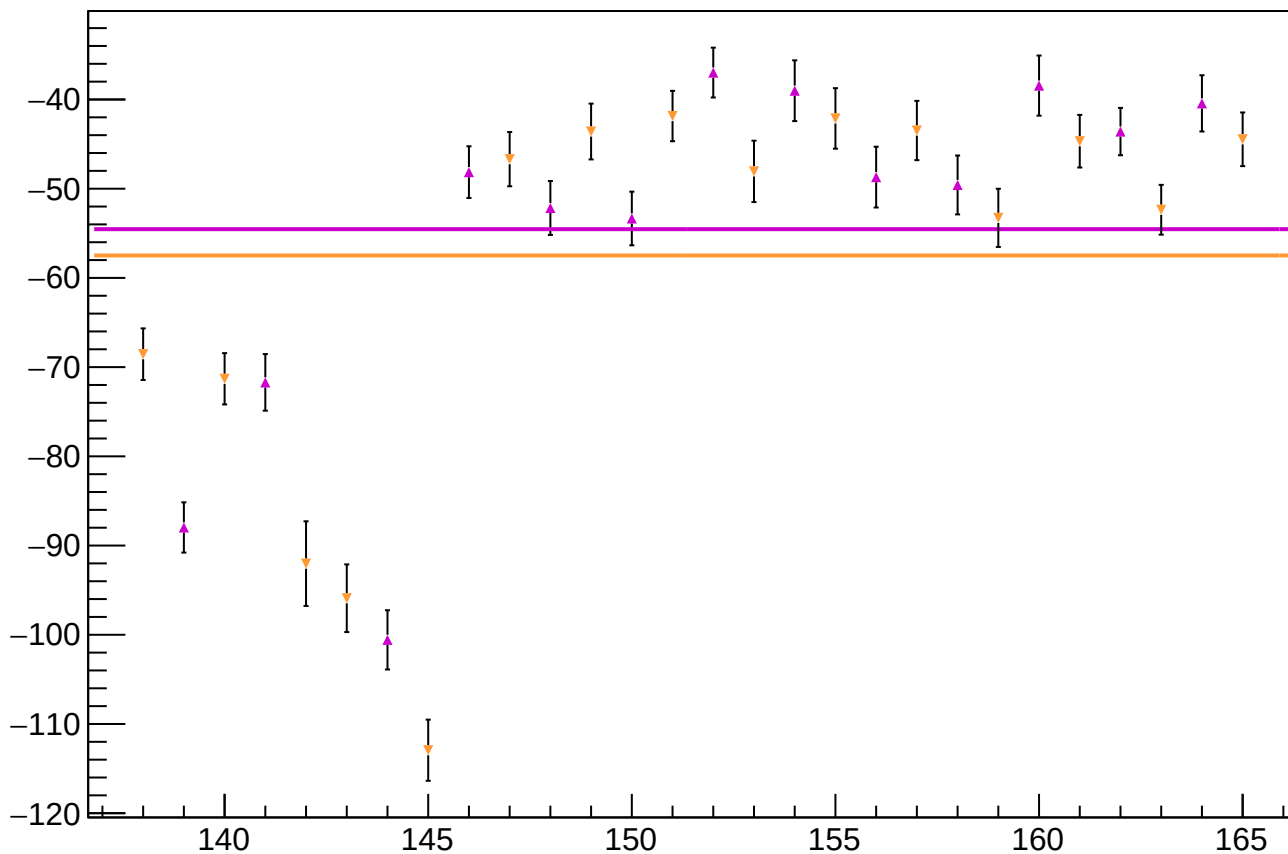
Right: -214.751 ± 0.094 $\chi^2/\text{NDF}: 263806.1/35$

In: -265.509 ± 0.090 $\chi^2/\text{NDF}: 415558.3/29$

Out: -250.441 ± 0.086 $\chi^2/\text{NDF}: 810155.7/33$

All: -257.633 ± 0.062 $\chi^2/\text{NDF}: 1240333.6/63$

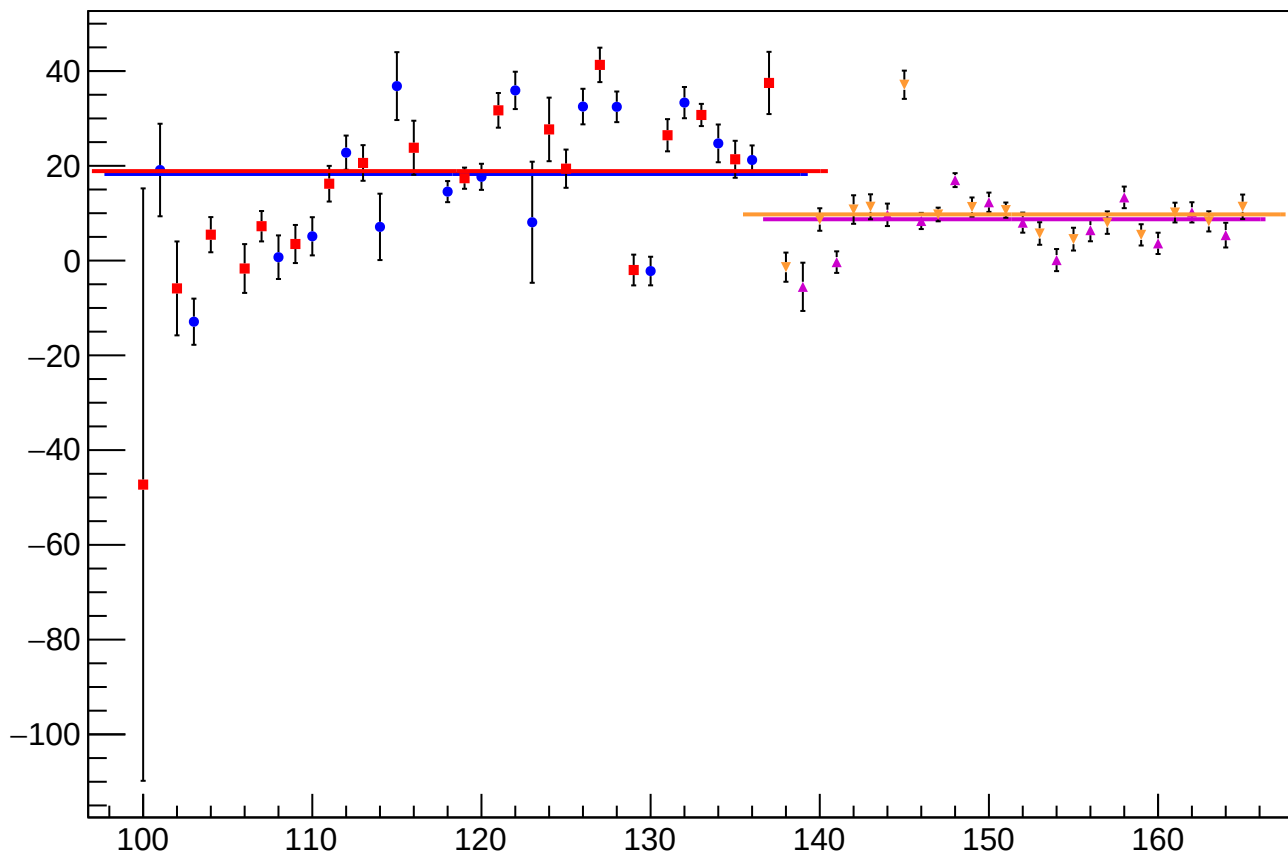
reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -57.485+/-0.820 χ^2/NDF : 606.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -54.537+/-0.852 χ^2/NDF : 493.4/12

Left: -56.066+/-0.591 χ^2/NDF : 1106.1/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -54.537+/-0.852 χ^2/NDF : 493.4/12
 Out: -57.485+/-0.820 χ^2/NDF : 606.5/14
 All: -56.066+/-0.591 χ^2/NDF : 1106.1/27

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.279 ± 0.906 χ^2/NDF : 204.6/16

Left Out: 9.749 ± 0.569 χ^2/NDF : 111.7/14

Right Out: 18.882 ± 0.864 χ^2/NDF : 198.4/18

Left In: 8.719 ± 0.597 χ^2/NDF : 84.7/12

Left: 9.259 ± 0.412 χ^2/NDF : 197.9/27

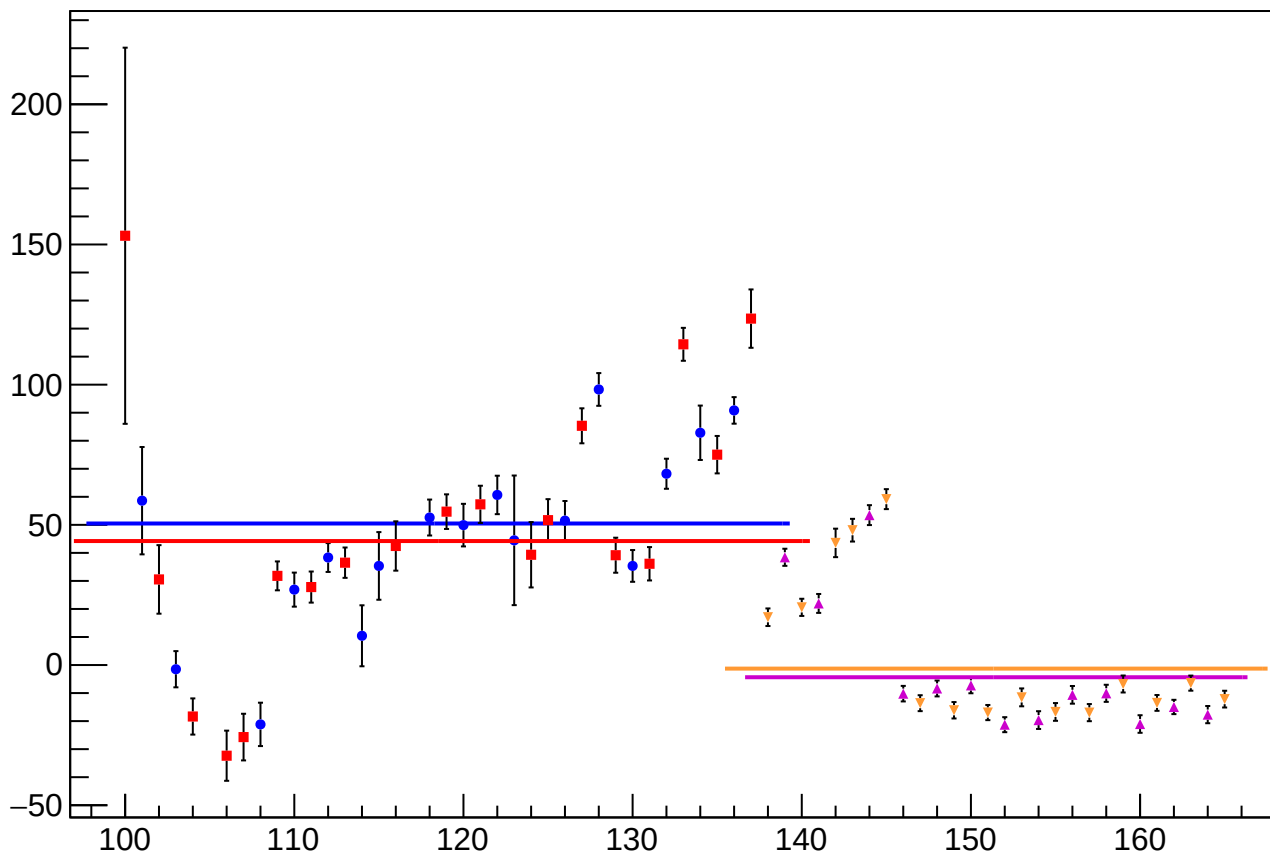
Right: 18.595 ± 0.625 χ^2/NDF : 403.2/35

In: 11.617 ± 0.499 χ^2/NDF : 366.9/29

Out: 12.507 ± 0.475 χ^2/NDF : 388.0/33

All: 12.084 ± 0.344 χ^2/NDF : 756.6/63

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: -1.274 $\pm$ 0.802 χ^2 /NDF: 777.8/14

Right Out: 44.222 $\pm$ 1.602 χ^2 /NDF: 534.4/18

Left In: -4.354 $\pm$ 0.826 χ^2 /NDF: 665.7/12

Left: -2.768 $\pm$ 0.575 χ^2 /NDF: 1450.7/27

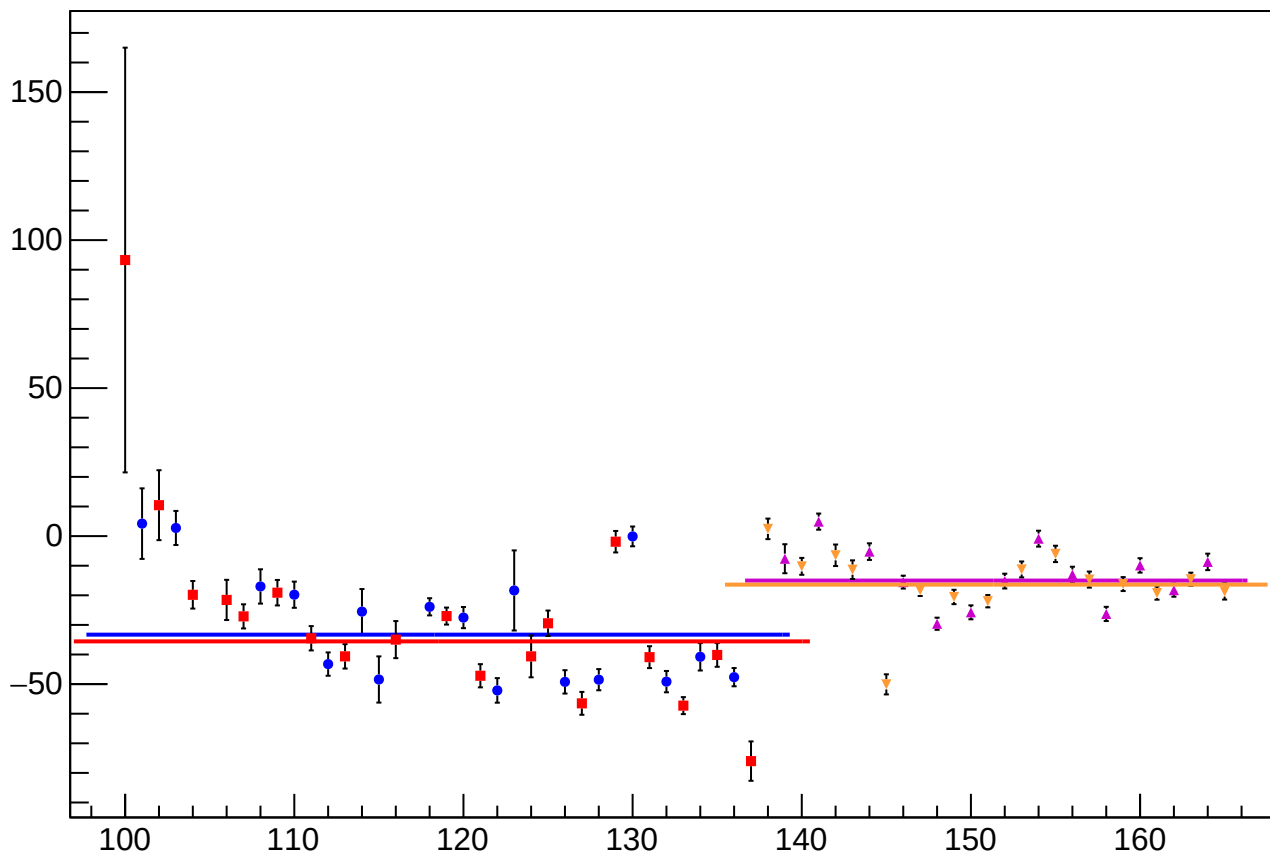
Right: 47.226 $\pm$ 1.156 χ^2 /NDF: 899.6/35

In: 6.450 $\pm$ 0.740 χ^2 /NDF: 1891.5/29

Out: 7.839 $\pm$ 0.717 χ^2 /NDF: 1956.8/33

All: 7.166 $\pm$ 0.515 χ^2 /NDF: 3850.1/63

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.292 ± 1.033 χ^2/NDF : 289.1/16

Left Out: -16.391 ± 0.668 χ^2/NDF : 174.7/14

Right Out: -35.566 ± 0.992 χ^2/NDF : 287.6/18

Left In: -15.022 ± 0.700 χ^2/NDF : 200.8/12

Left: -15.738 ± 0.483 χ^2/NDF : 377.6/27

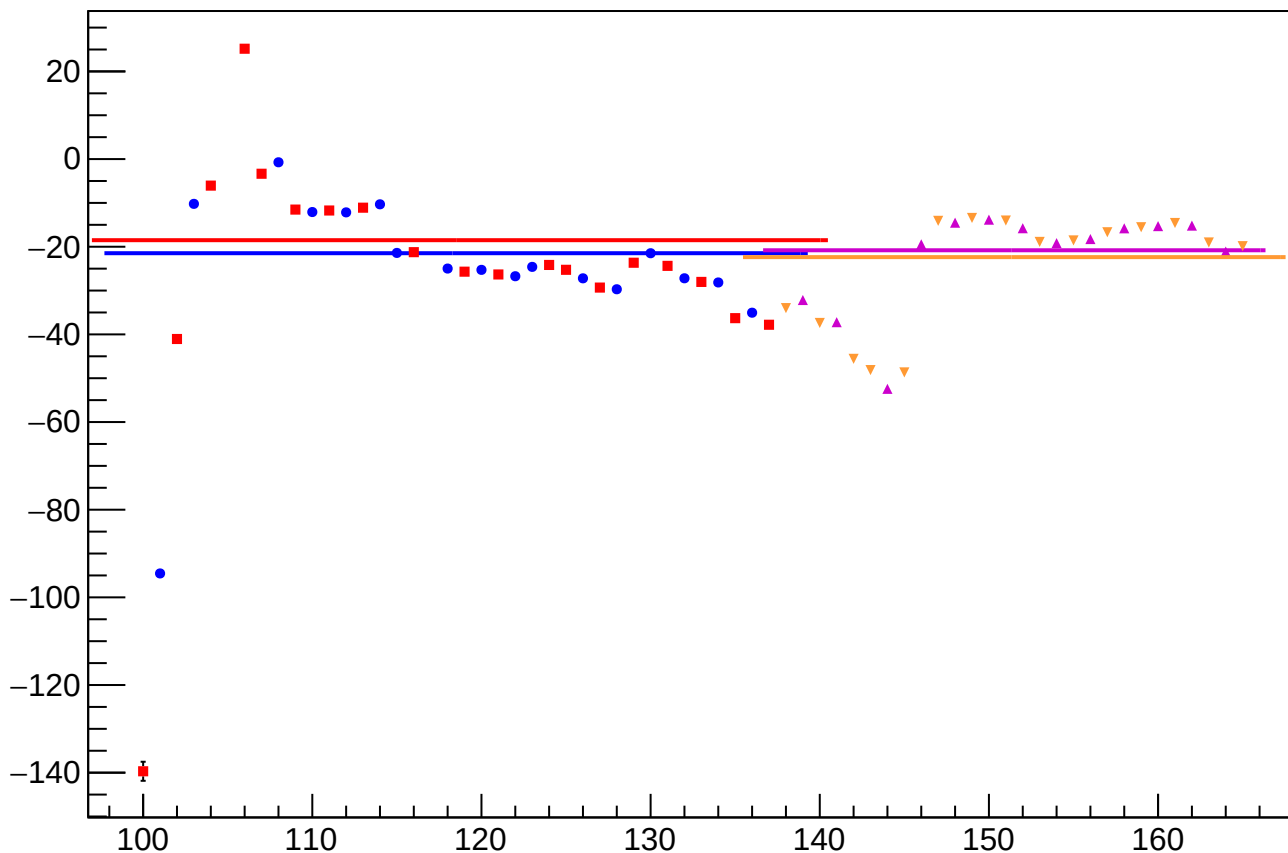
Right: -34.474 ± 0.716 χ^2/NDF : 579.3/35

In: -20.768 ± 0.579 χ^2/NDF : 704.4/29

Out: -22.367 ± 0.554 χ^2/NDF : 719.3/33

All: -21.603 ± 0.400 χ^2/NDF : 1427.7/63

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.476 ± 0.059 $\chi^2/\text{NDF}: 49009.8/16$

Left Out: -22.372 ± 0.031 $\chi^2/\text{NDF}: 124976.2/14$

Right Out: -18.506 ± 0.057 $\chi^2/\text{NDF}: 80734.5/18$

Left In: -20.806 ± 0.032 $\chi^2/\text{NDF}: 83952.5/12$

Left: -21.609 ± 0.023 $\chi^2/\text{NDF}: 210134.9/27$

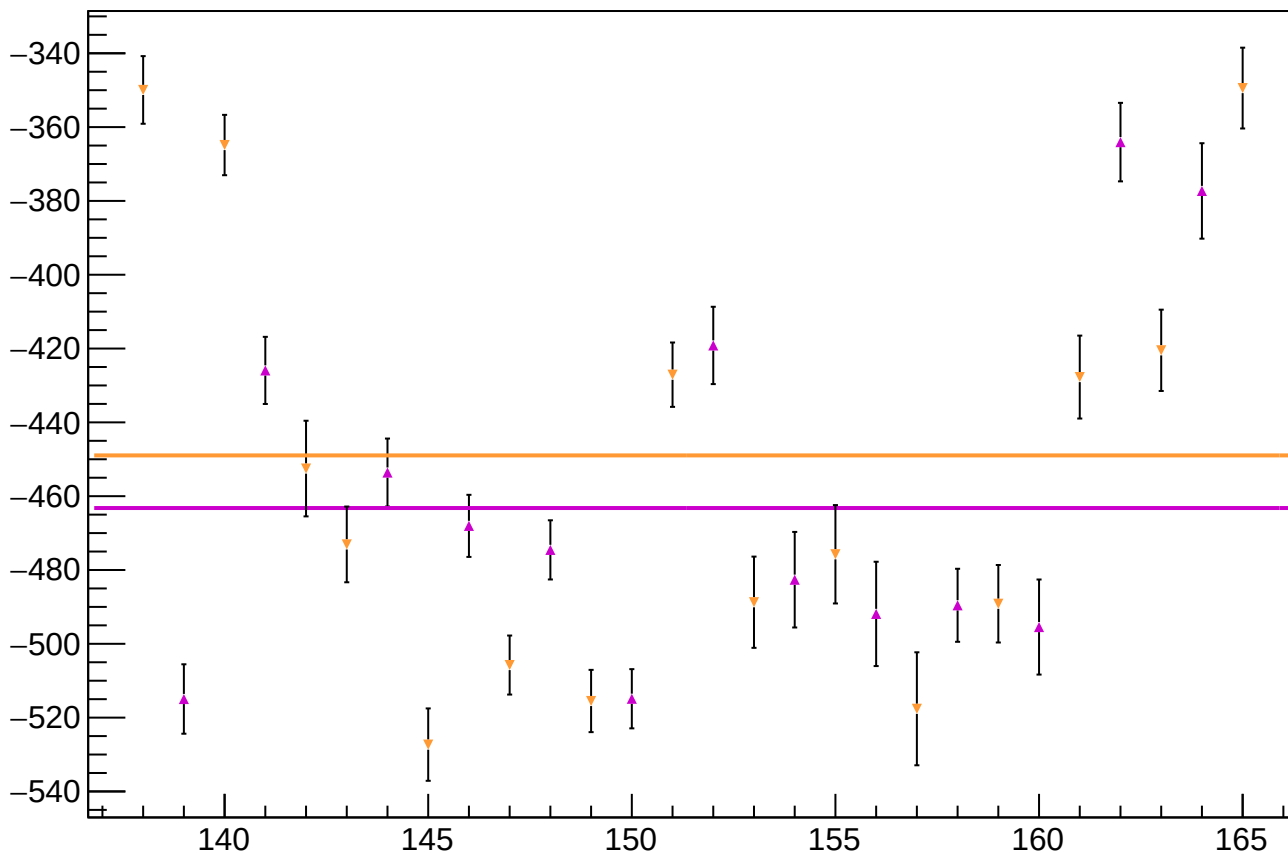
Right: -19.957 ± 0.041 $\chi^2/\text{NDF}: 131054.3/35$

In: -20.962 ± 0.028 $\chi^2/\text{NDF}: 133062.3/29$

Out: -21.478 ± 0.028 $\chi^2/\text{NDF}: 209203.2/33$

All: -21.226 ± 0.020 $\chi^2/\text{NDF}: 342436.0/63$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -448.953+/-2.621 χ^2/NDF :553.0/14

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

Left In: -463.210+/-2.757 χ^2/NDF :260.4/12

Left: -455.720+/-1.900 χ^2/NDF : 827.5/27

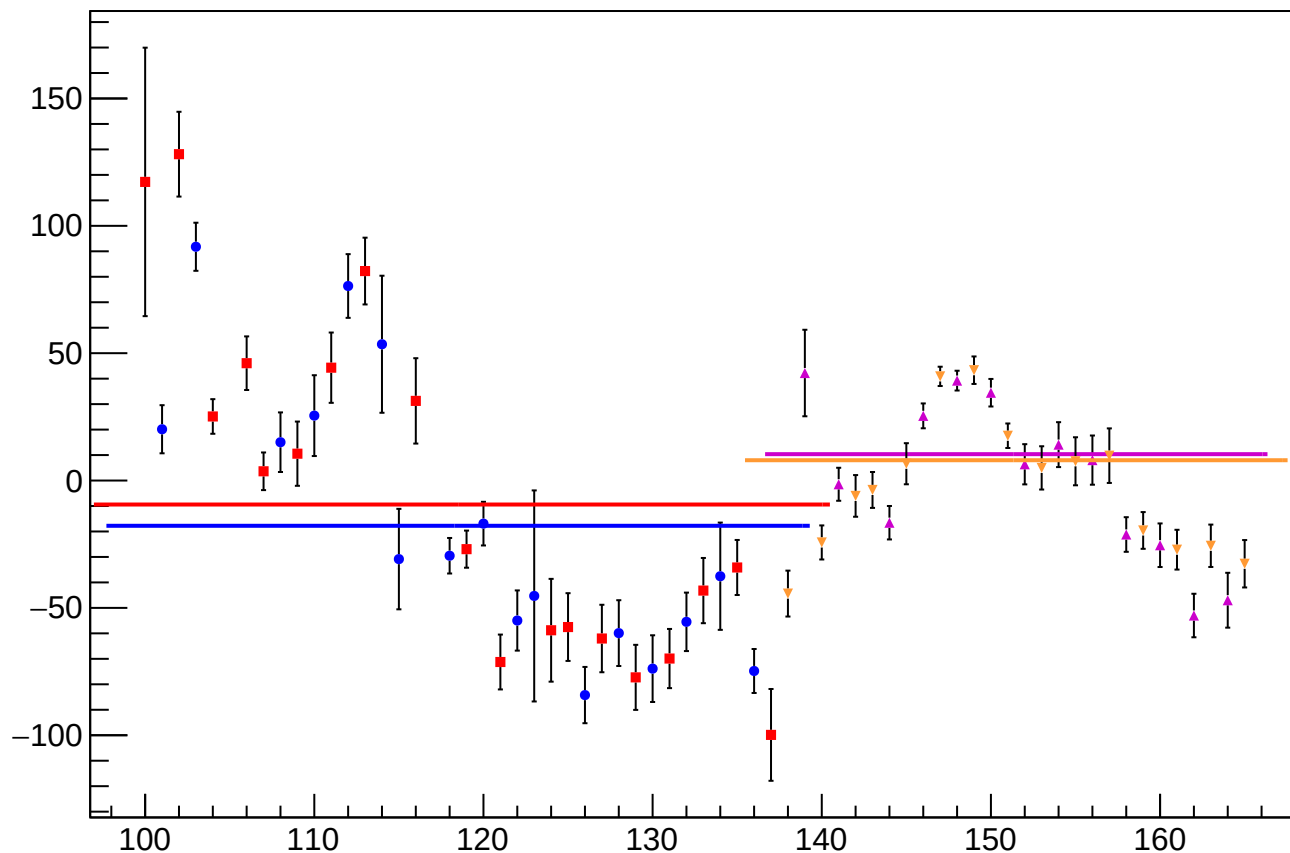
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -463.210+/-2.757 χ^2/NDF :260.4/12

Out: -448.953+/-2.621 χ^2/NDF :553.0/14

All: -455.720+/-1.900 χ^2/NDF : 827.5/27

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.765 ± 2.781 χ^2/NDF : 363.9/16

Left Out: 7.973 ± 1.747 χ^2/NDF : 255.6/14

Right Out: -9.417 ± 2.613 χ^2/NDF : 369.6/18

Left In: 10.357 ± 1.856 χ^2/NDF : 231.2/12

Left: 9.093 ± 1.272 χ^2/NDF : 487.7/27

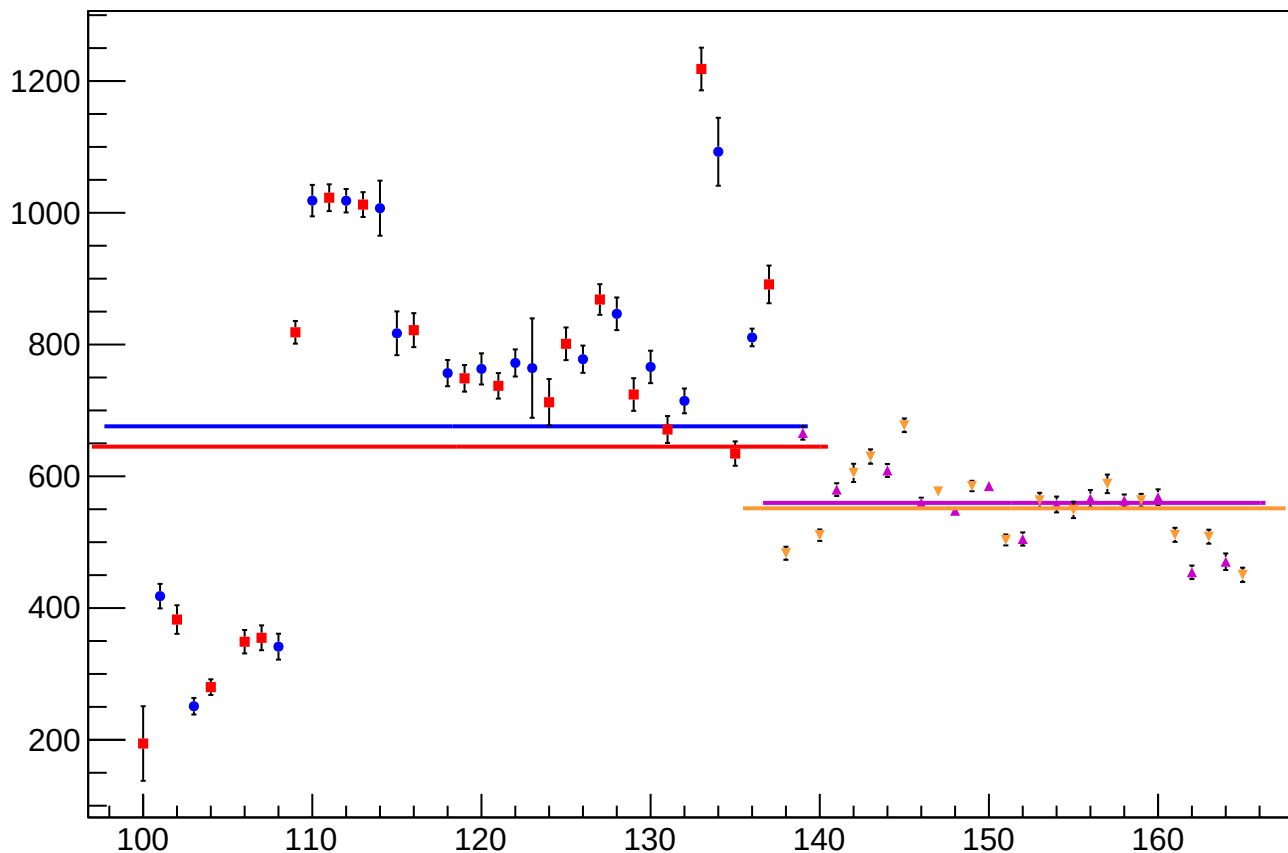
Right: -13.331 ± 1.905 χ^2/NDF : 738.2/35

In: 1.693 ± 1.544 χ^2/NDF : 665.8/29

Out: 2.603 ± 1.452 χ^2/NDF : 655.8/33

All: 2.176 ± 1.058 χ^2/NDF : 1321.7/63

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.871 ± 5.037 $\chi^2/\text{NDF}: 2586.4/16$

Left Out: 551.417 ± 2.578 $\chi^2/\text{NDF}: 474.1/14$

Right Out: 645.014 ± 4.761 $\chi^2/\text{NDF}: 3123.3/18$

Left In: 559.654 ± 2.682 $\chi^2/\text{NDF}: 339.0/12$

Left: 555.373 ± 1.859 $\chi^2/\text{NDF}: 818.0/27$

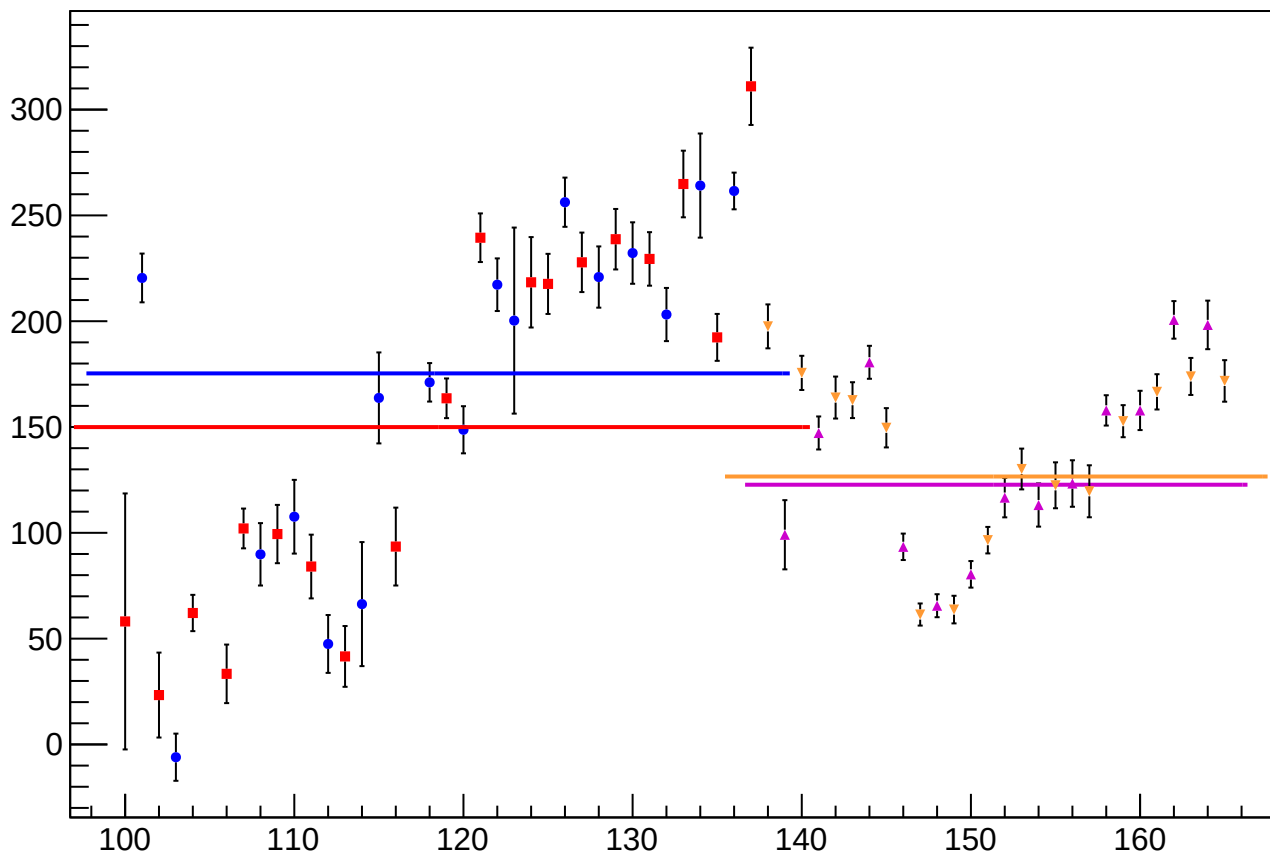
Right: 659.573 ± 3.460 $\chi^2/\text{NDF}: 5729.5/35$

In: 585.319 ± 2.367 $\chi^2/\text{NDF}: 3340.2/29$

Out: 572.642 ± 2.267 $\chi^2/\text{NDF}: 3896.2/33$

All: 578.708 ± 1.637 $\chi^2/\text{NDF}: 7251.3/63$

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: 126.611 $\pm$ 2.099 χ^2 /NDF: 479.5/14

Right Out: 149.966 $\pm$ 3.045 χ^2 /NDF: 693.2/18

Left In: 122.731 $\pm$ 2.224 χ^2 /NDF: 405.4/12

Left: 124.783 $\pm$ 1.526 χ^2 /NDF: 886.5/27

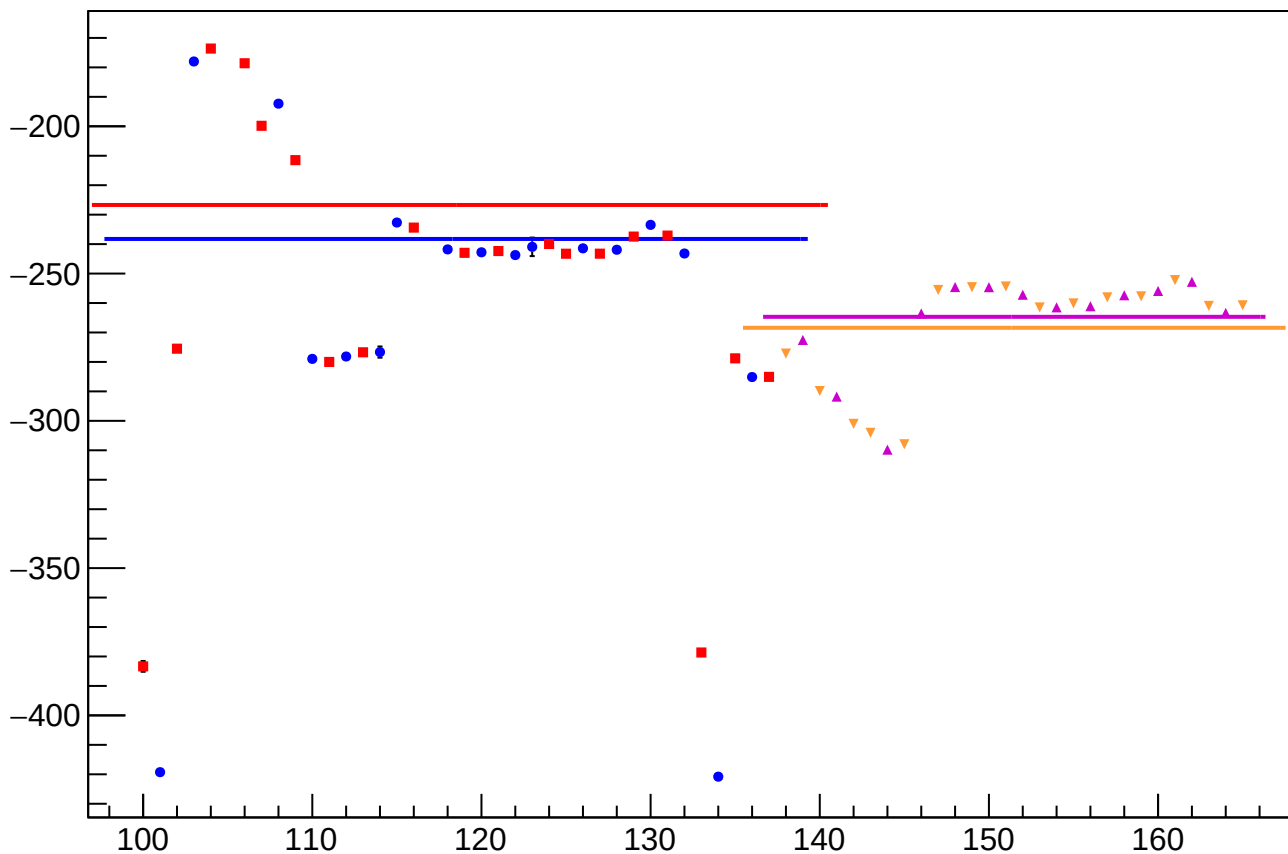
Right: 162.013 $\pm$ 2.207 χ^2 /NDF: 1364.6/35

In: 139.840 $\pm$ 1.827 χ^2 /NDF: 1225.9/29

Out: 134.133 $\pm$ 1.728 χ^2 /NDF: 1212.6/33

All: 136.829 $\pm$ 1.255 χ^2 /NDF: 2443.6/63

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.248+/-0.160 χ^2/NDF : 167125.9/16

Left Out: -268.408+/-0.104 χ^2/NDF : 31839.9/14

Right Out: -226.706+/-0.151 χ^2/NDF : 102831.3/18

Left In: -264.685+/-0.107 χ^2/NDF : 20461.6/12

Left: -266.601+/-0.074 χ^2/NDF : 52926.4/27

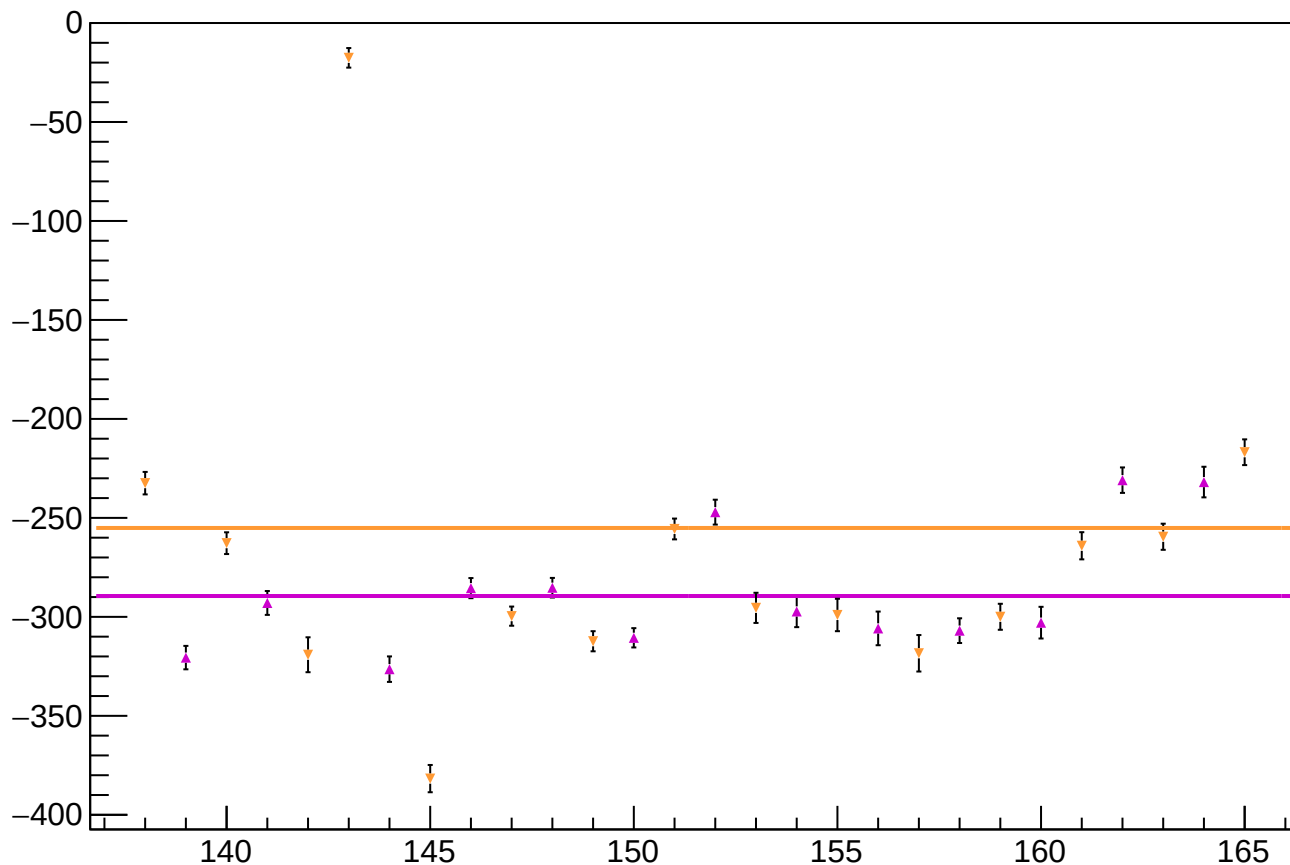
Right: -232.150+/-0.110 χ^2/NDF : 272709.4/35

In: -256.526+/-0.089 χ^2/NDF : 206481.5/29

Out: -255.043+/-0.086 χ^2/NDF : 186429.6/33

All: -255.756+/-0.062 χ^2/NDF : 393055.7/63

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: -255.089 $\pm$ 1.598 χ^2/NDF :3112.8/14

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

Left In: -289.466 $\pm$ 1.718 χ^2/NDF :280.0/12

Left: -271.037 $\pm$ 1.170 χ^2/NDF : 3607.4/27

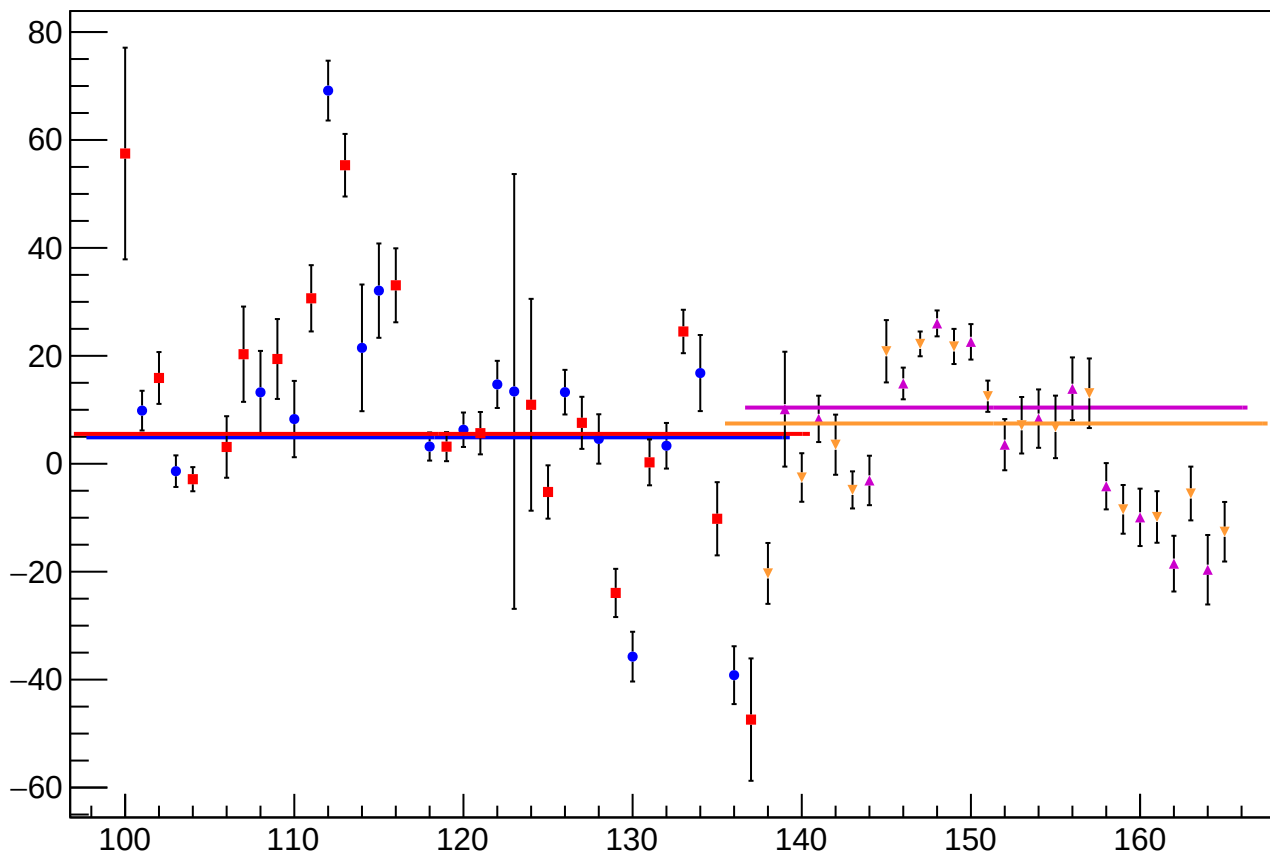
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -289.466 $\pm$ 1.718 χ^2/NDF :280.0/12

Out: -255.089 $\pm$ 1.598 χ^2/NDF :3112.8/14

All: -271.037 $\pm$ 1.170 χ^2/NDF : 3607.4/27

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.896 $\pm$ 1.089 χ^2 /NDF: 312.0/16

Left Out: 7.461 $\pm$ 1.061 χ^2 /NDF:157.8/14

Right Out: 5.534 $\pm$ 1.071 χ^2 /NDF: 239.1/18

Left In: 10.412 $\pm$ 1.153 χ^2 /NDF:149.1/12

Left: 8.815 $\pm$ 0.781 χ^2 /NDF: 310.5/27

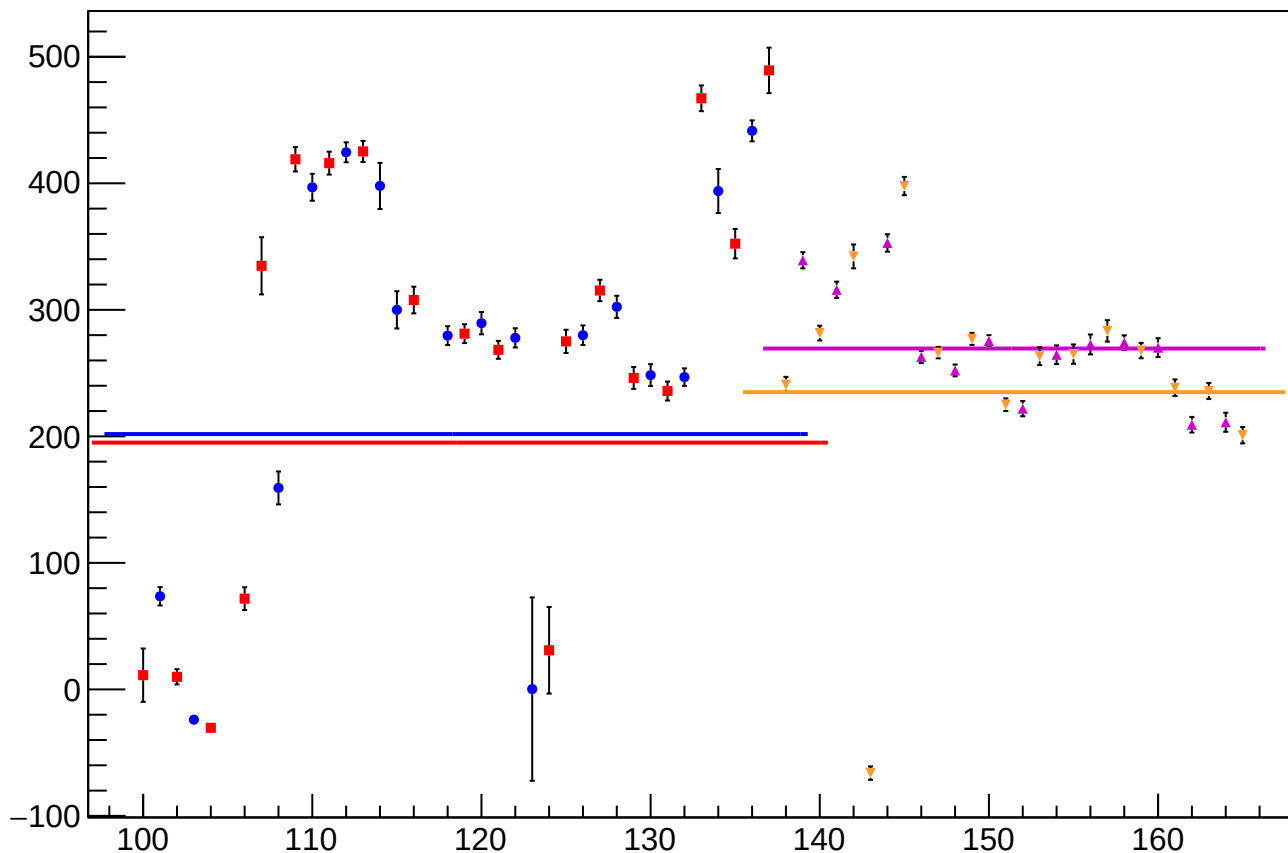
Right: 5.220 $\pm$ 0.764 χ^2 /NDF: 551.3/35

In: 7.497 $\pm$ 0.792 χ^2 /NDF:473.2/29

Out: 6.506 $\pm$ 0.754 χ^2 /NDF:398.6/33

All: 6.978 $\pm$ 0.546 χ^2 /NDF: 872.6/63

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: 234.910 $\pm$ 1.571 χ^2 /NDF:4206.1/14

Right Out: 195.053 $\pm$ 1.924 χ^2 /NDF: 8257.1/18

Left In: 269.430 $\pm$ 1.665 χ^2 /NDF:553.3/12

Left: 251.166 $\pm$ 1.143 χ^2 /NDF: 4986.7/27

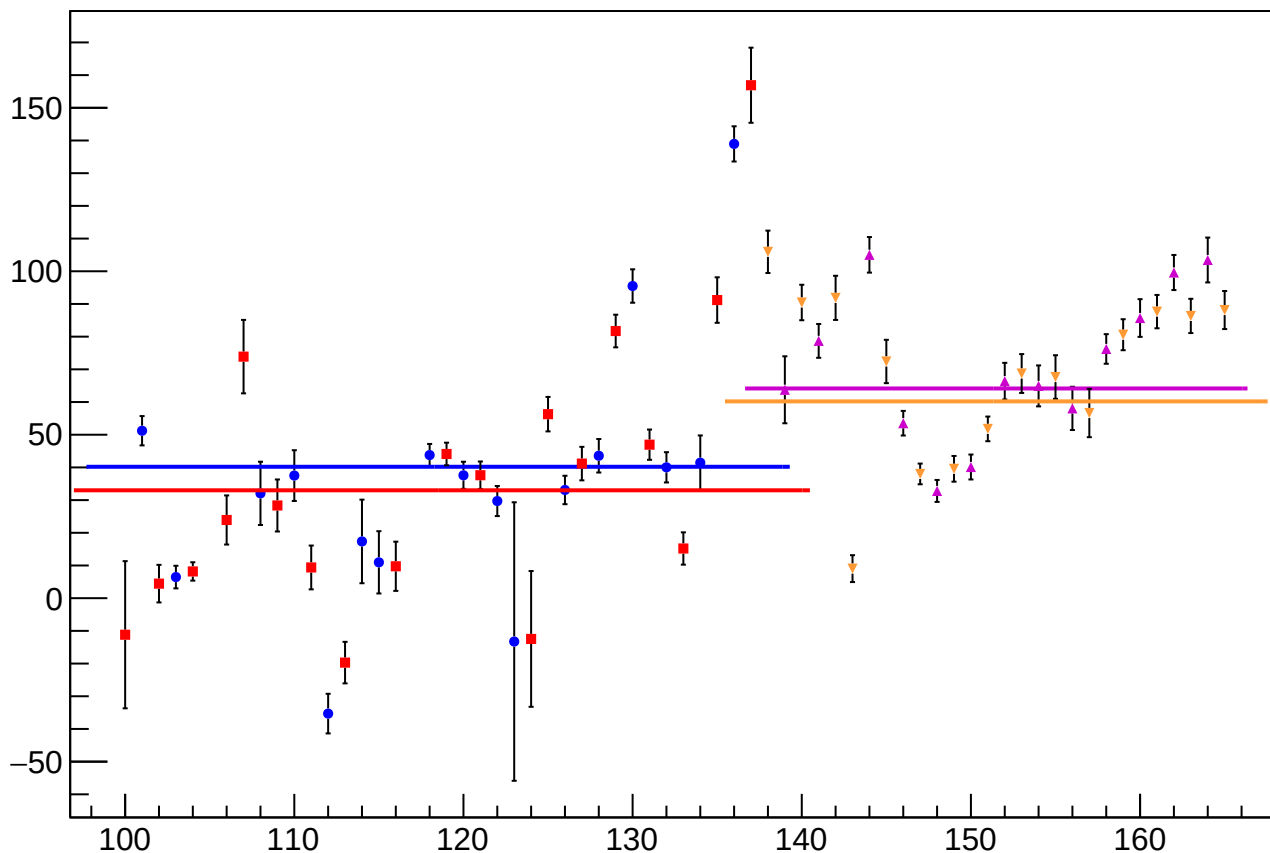
Right: 198.351 $\pm$ 1.377 χ^2 /NDF: 15017.4/35

In: 241.252 $\pm$ 1.272 χ^2 /NDF:7994.5/29

Out: 218.968 $\pm$ 1.217 χ^2 /NDF:12720.5/33

All: 229.619 $\pm$ 0.879 χ^2 /NDF: 20875.3/63

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.196 ± 1.268 $\chi^2/\text{NDF}: 735.0/16$

Left Out: 60.201 ± 1.276 $\chi^2/\text{NDF}: 441.9/14$

Right Out: 32.999 ± 1.253 $\chi^2/\text{NDF}: 554.1/18$

Left In: 64.148 ± 1.382 $\chi^2/\text{NDF}: 297.8/12$

Left: 62.017 ± 0.937 $\chi^2/\text{NDF}: 744.1/27$

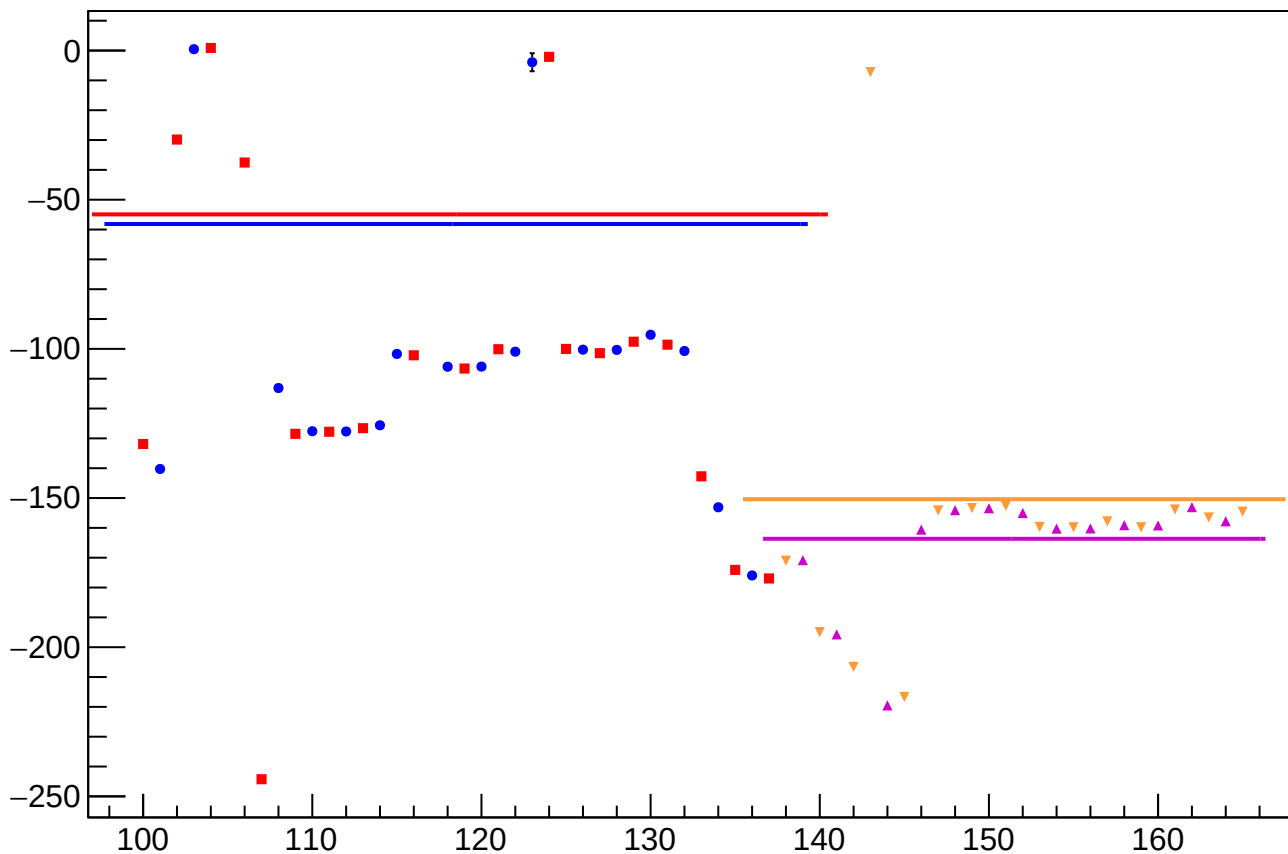
Right: 36.555 ± 0.891 $\chi^2/\text{NDF}: 1305.3/35$

In: 51.140 ± 0.934 $\chi^2/\text{NDF}: 1195.9/29$

Out: 46.351 ± 0.894 $\chi^2/\text{NDF}: 1227.5/33$

All: 48.640 ± 0.646 $\chi^2/\text{NDF}: 2437.1/63$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.155 $\pm$ 0.062 χ^2 /NDF: 1105509.3/16

Left Out: -156.706 $\pm$ 0.046 χ^2 /NDF: 579840.6/14

Right Out: -54.914 $\pm$ 0.060 χ^2 /NDF: 1003885.5/18

Left In: -163.660 $\pm$ 0.066 χ^2 /NDF: 60393.5/12

Left: -156.706 $\pm$ 0.046 χ^2 /NDF: 661213.3/27

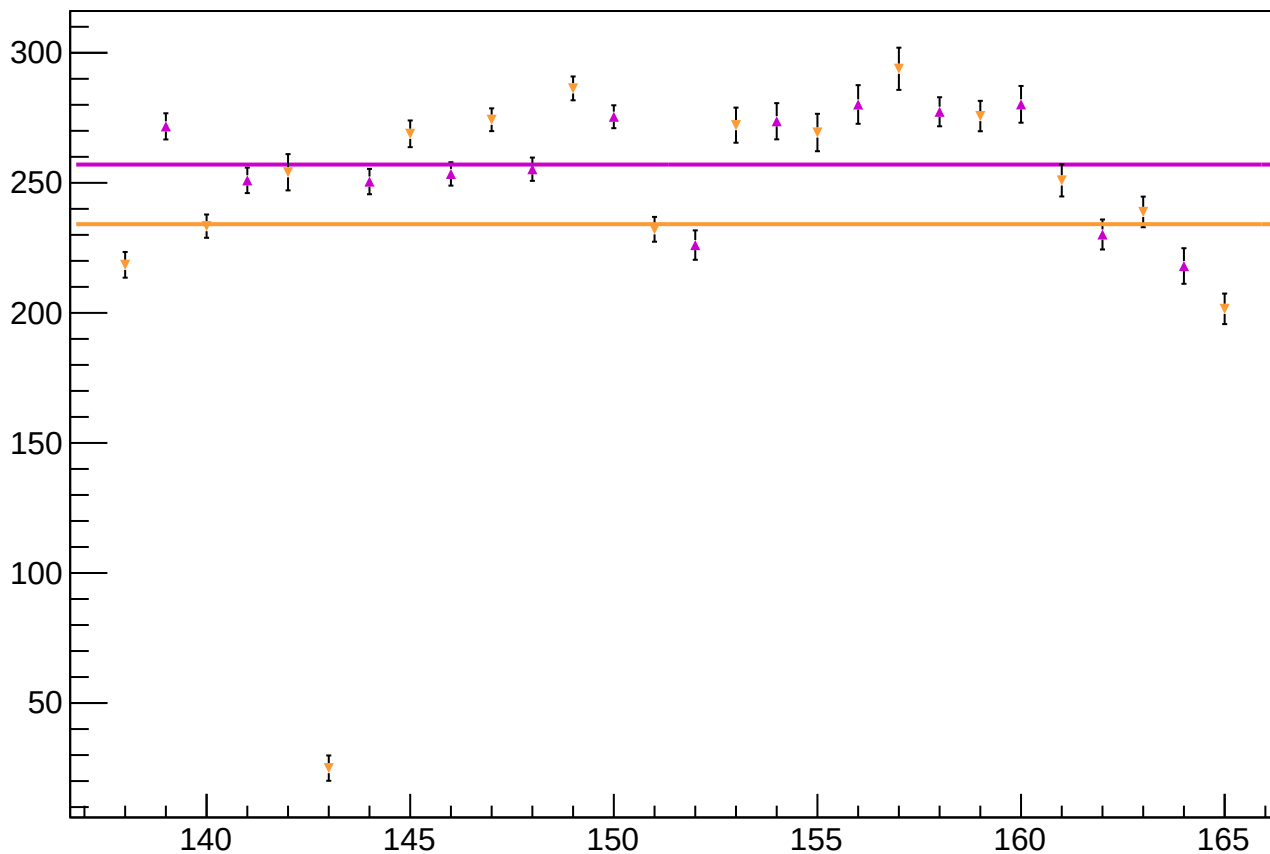
Right: -56.499 $\pm$ 0.043 χ^2 /NDF: 2110811.0/35

In: -107.001 $\pm$ 0.045 χ^2 /NDF: 2525185.7/29

Out: -100.352 $\pm$ 0.044 χ^2 /NDF: 2779991.2/33

All: -103.562 $\pm$ 0.031 χ^2 /NDF: 5316406.5/63

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: 234.113+/-1.407 χ^2/NDF :2321.5/14

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

Left In: 257.031+/-1.494 χ^2/NDF :153.7/12

Left: 244.882+/-1.024 χ^2/NDF : 2599.9/27

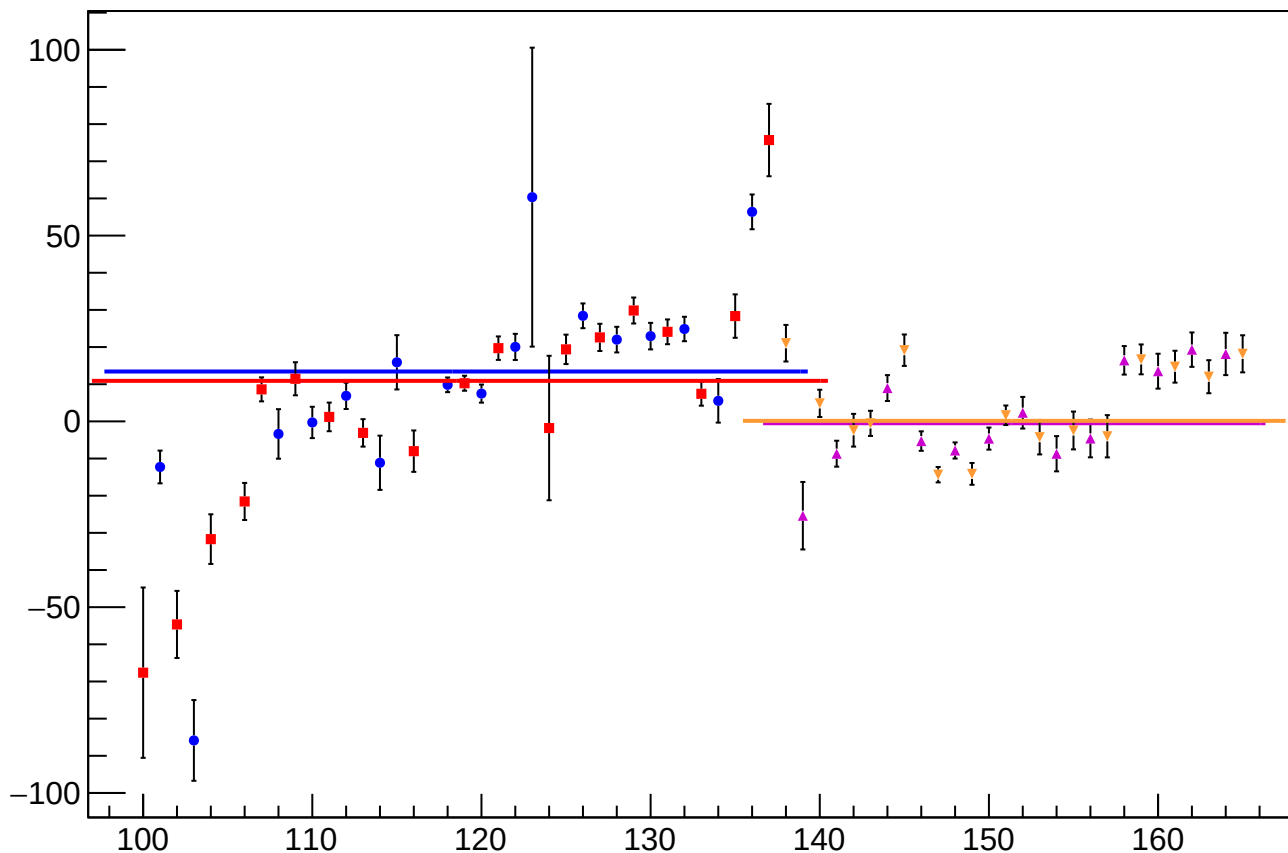
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 257.031+/-1.494 χ^2/NDF :153.7/12

Out: 234.113+/-1.407 χ^2/NDF :2321.5/14

All: 244.882+/-1.024 χ^2/NDF : 2599.9/27

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.423+/-0.920 χ^2/NDF : 295.2/16

Left Out: 0.140+/-0.943 χ^2/NDF :163.2/14

Right Out: 10.908+/-0.916 χ^2/NDF : 302.6/18

Left In: -0.499+/-1.012 χ^2/NDF :98.6/12

Left: -0.157+/-0.690 χ^2/NDF : 262.0/27

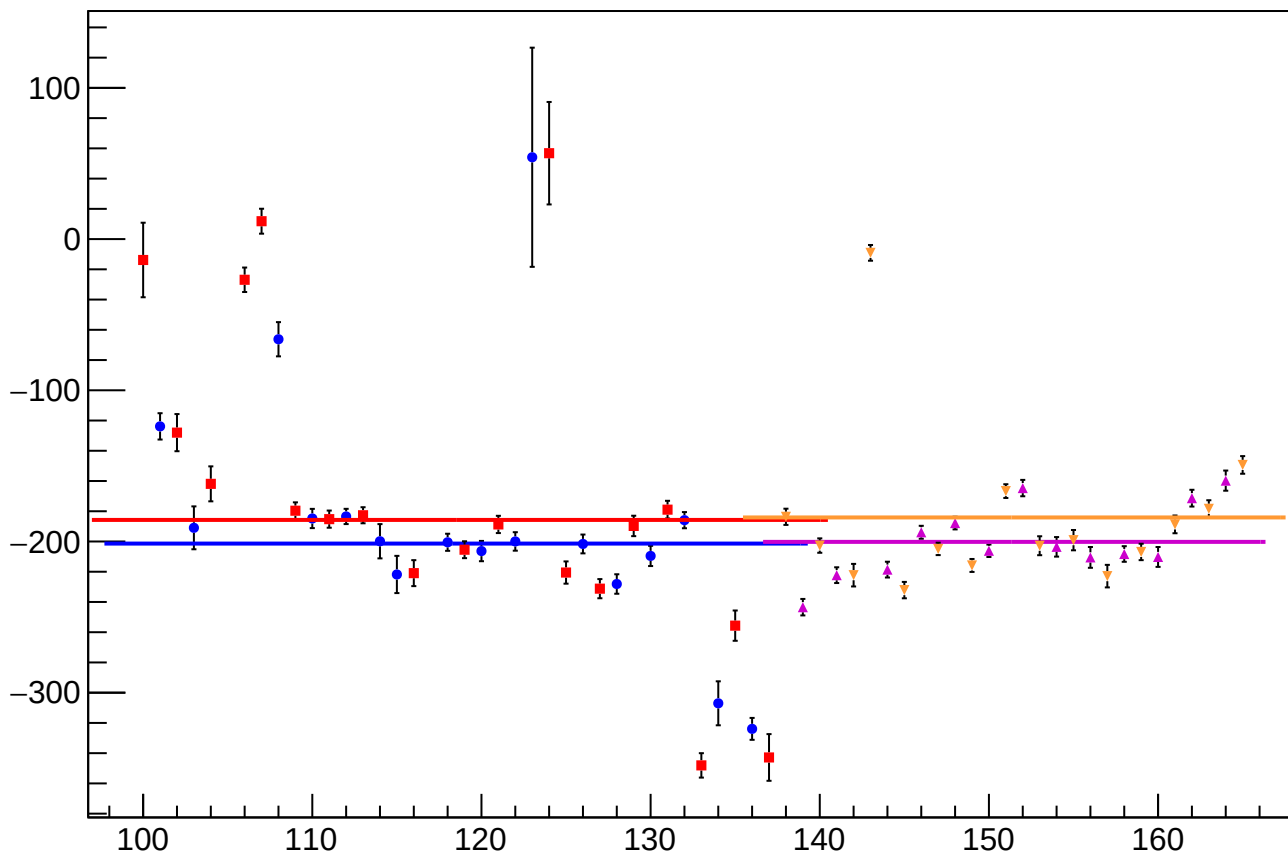
Right: 12.160+/-0.649 χ^2/NDF : 601.6/35

In: 7.126+/-0.681 χ^2/NDF :497.5/29

Out: 5.677+/-0.657 χ^2/NDF :532.9/33

All: 6.376+/-0.473 χ^2/NDF : 1032.8/63

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: -184.101 ± 1.387 χ^2/NDF : 1444.1/14

Right Out: -185.739 ± 1.700 χ^2/NDF : 1749.3/18

Left In: -200.254 ± 1.455 χ^2/NDF : 220.5/12

Left: -191.791 ± 1.004 χ^2/NDF : 1729.1/27

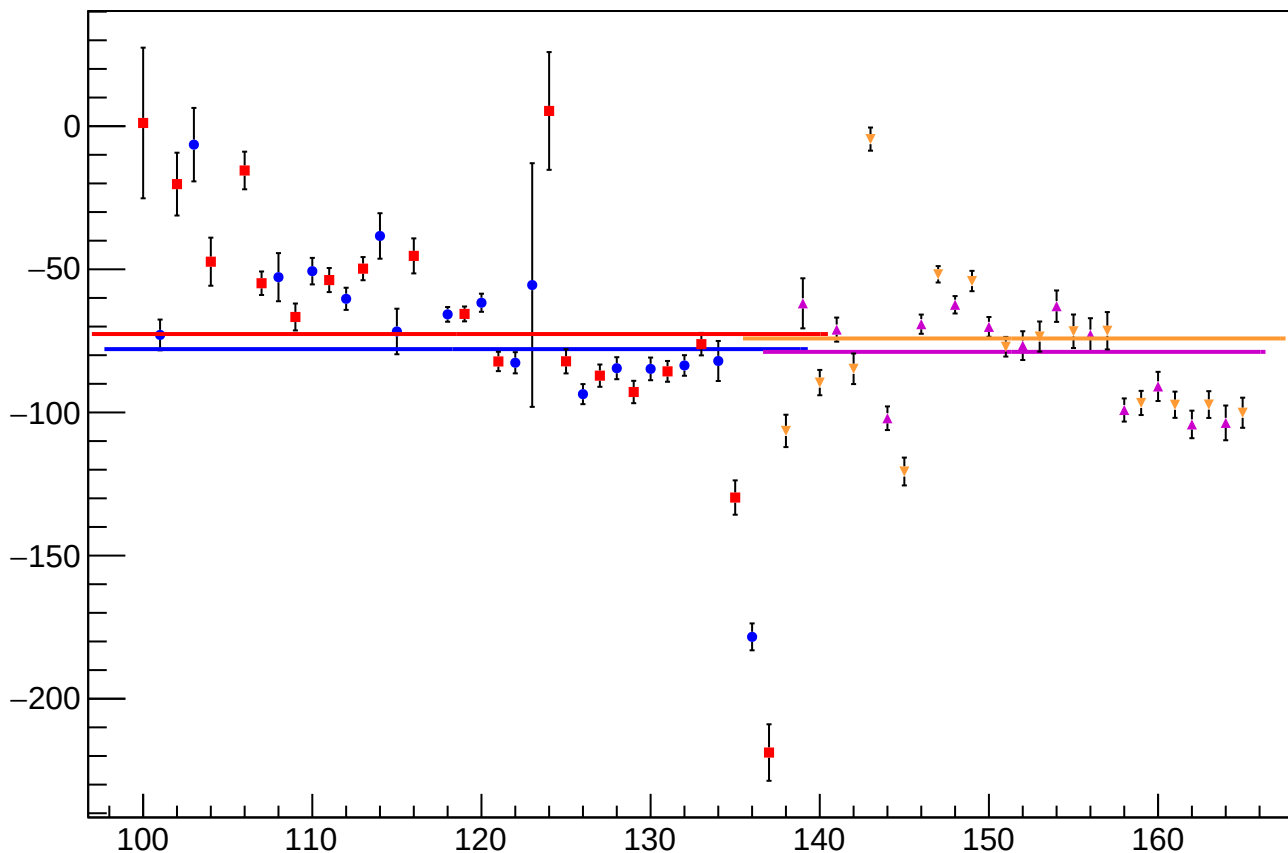
Right: -193.204 ± 1.229 χ^2/NDF : 2413.2/35

In: -200.707 ± 1.127 χ^2/NDF : 844.2/29

Out: -184.756 ± 1.075 χ^2/NDF : 3193.9/33

All: -192.357 ± 0.778 χ^2/NDF : 4143.1/63

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: -74.154 ± 1.131 χ^2/NDF : 633.5/14

Right Out: -72.612 ± 1.054 χ^2/NDF : 606.9/18

Left In: -78.838 ± 1.210 χ^2/NDF : 167.8/12

Left: -76.337 ± 0.826 χ^2/NDF : 809.2/27

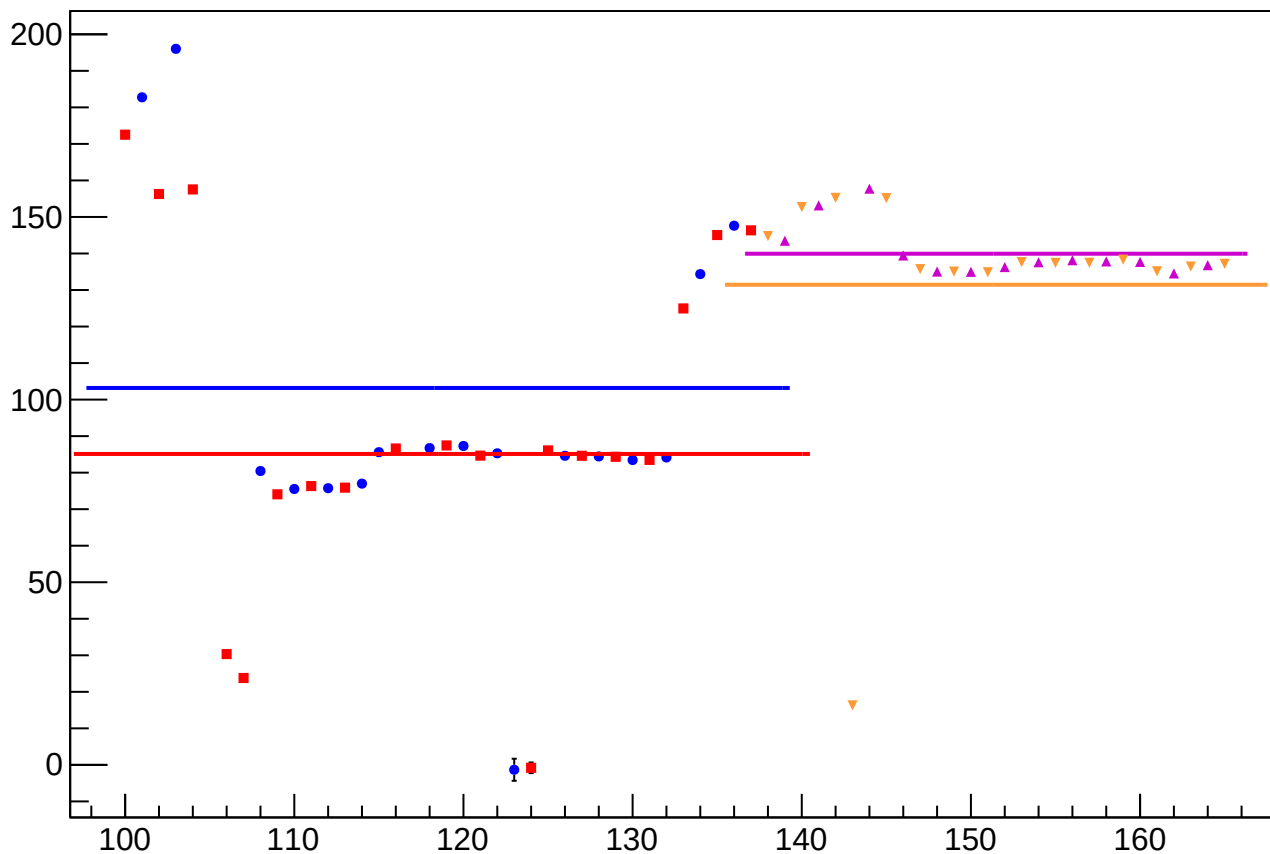
Right: -75.215 ± 0.749 χ^2/NDF : 1277.4/35

In: -78.297 ± 0.800 χ^2/NDF : 826.3/29

Out: -73.328 ± 0.771 χ^2/NDF : 1241.3/33

All: -75.721 ± 0.555 χ^2/NDF : 2087.6/63

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: 131.442 $\pm$ 0.056 χ^2 /NDF: 345523.7/14

Right Out: 85.121 $\pm$ 0.064 χ^2 /NDF: 423521.4/18

Left In: 139.938 $\pm$ 0.058 χ^2 /NDF: 13325.0/12

Left: 135.524 $\pm$ 0.040 χ^2 /NDF: 370007.1/27

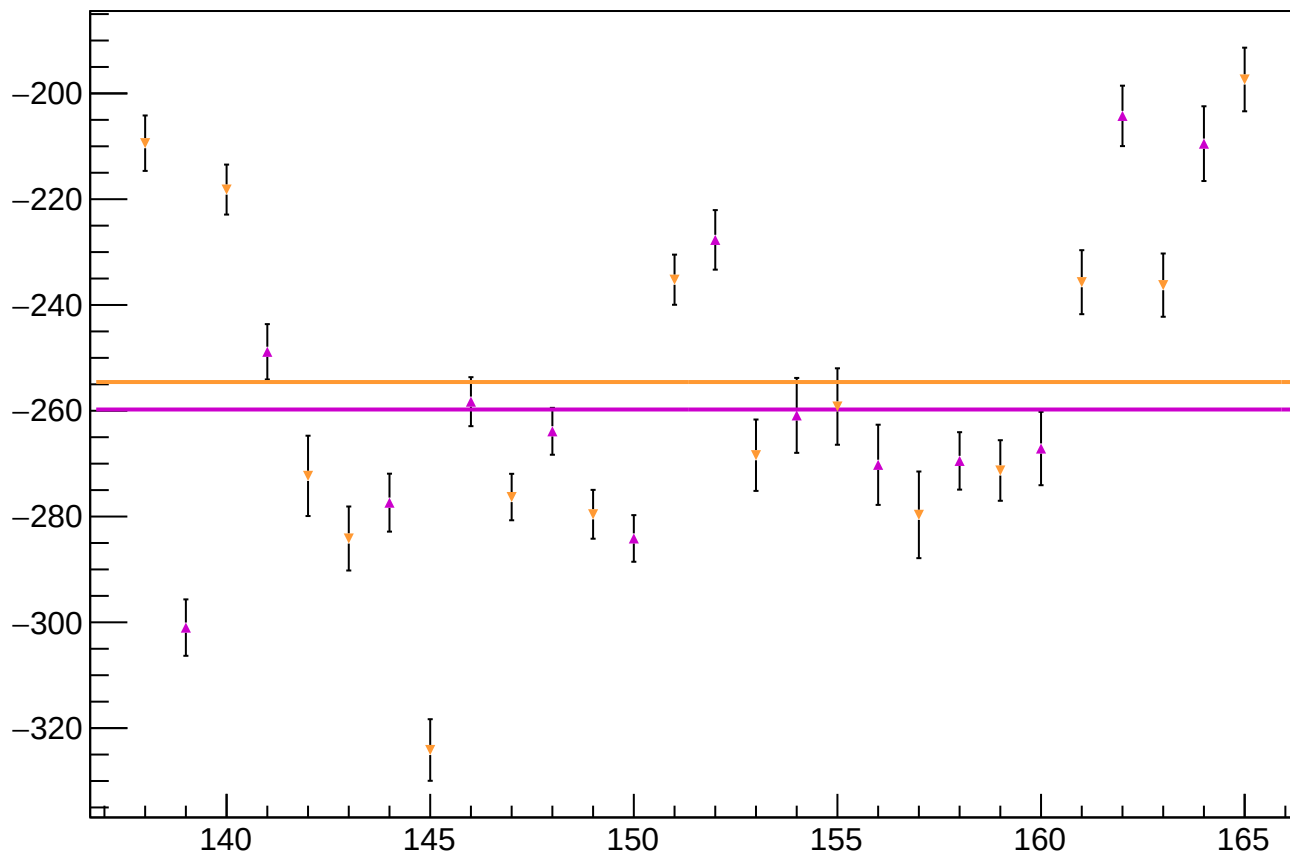
Right: 93.266 $\pm$ 0.047 χ^2 /NDF: 733347.5/35

In: 125.071 $\pm$ 0.045 χ^2 /NDF: 449477.0/29

Out: 111.360 $\pm$ 0.042 χ^2 /NDF: 1068342.3/33

All: 117.777 $\pm$ 0.031 χ^2 /NDF: 1567789.2/63

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: -254.569+/-1.462 χ^2/NDF :508.3/14

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

Left In: -259.763+/-1.528 χ^2/NDF :289.7/12

Left: -257.050+/-1.056 χ^2/NDF : 804.0/27

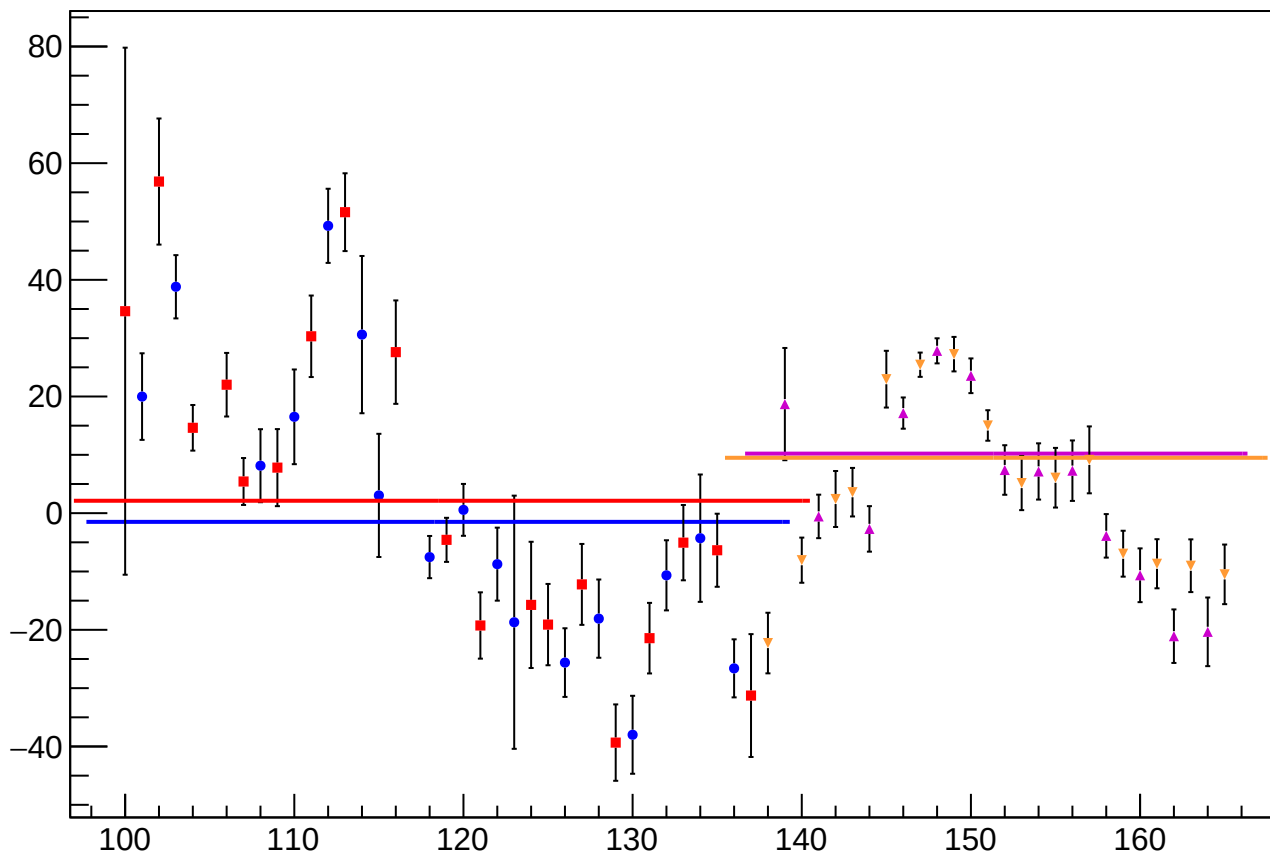
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -259.763+/-1.528 χ^2/NDF :289.7/12

Out: -254.569+/-1.462 χ^2/NDF :508.3/14

All: -257.050+/-1.056 χ^2/NDF : 804.0/27

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: 9.493 ± 0.970 χ^2/NDF : 238.6/14

Right Out: 2.127 ± 1.402 χ^2/NDF : 232.6/18

Left In: 10.207 ± 1.027 χ^2/NDF : 223.5/12

Left: 9.830 ± 0.705 χ^2/NDF : 462.4/27

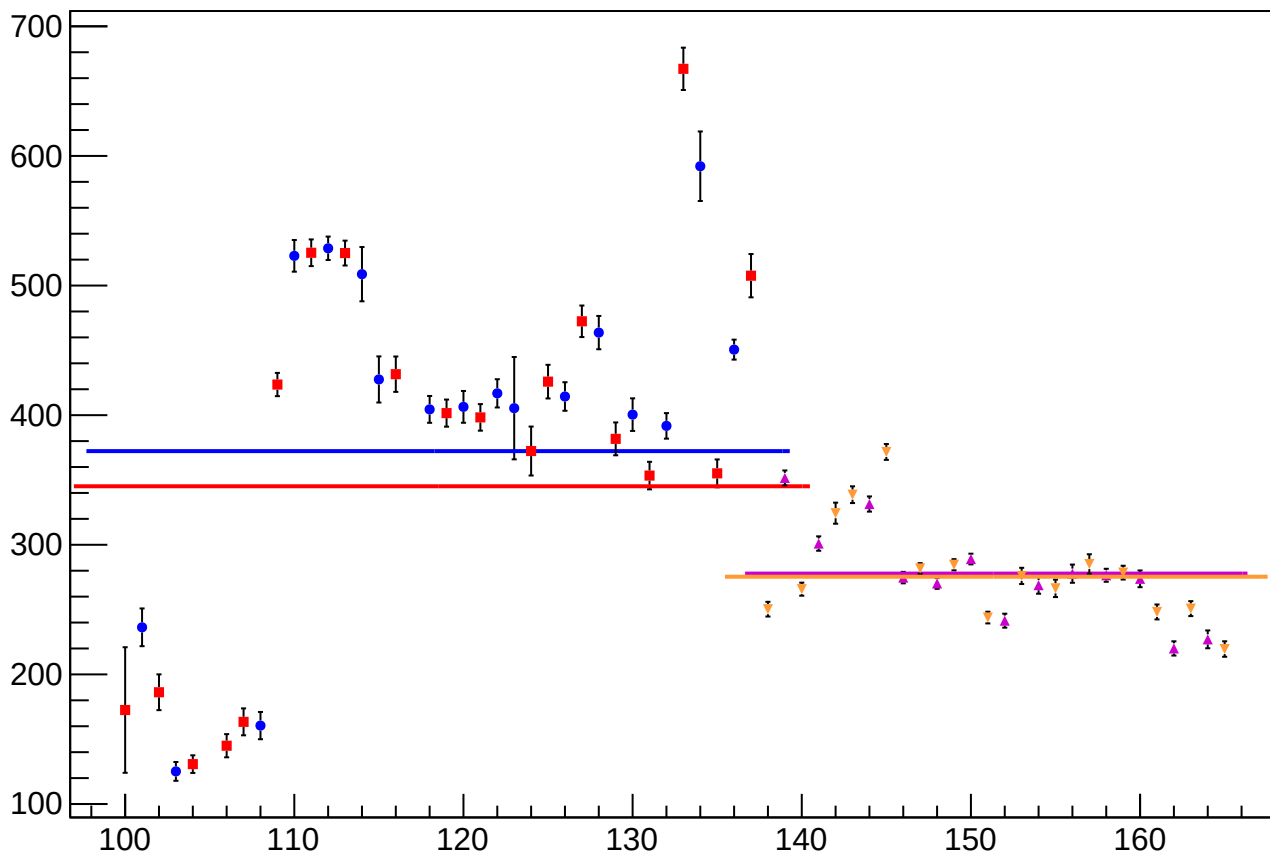
Right: 0.455 ± 1.029 χ^2/NDF : 461.8/35

In: 6.518 ± 0.850 χ^2/NDF : 490.5/29

Out: 7.108 ± 0.798 χ^2/NDF : 489.9/33

All: 6.832 ± 0.582 χ^2/NDF : 980.7/63

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 372.263+/-2.759 χ^2/NDF : 2433.1/16

Left Out: 275.361+/-1.433 χ^2/NDF : 590.7/14

Right Out: 345.135+/-2.562 χ^2/NDF : 3416.5/18

Left In: 277.778+/-1.482 χ^2/NDF : 488.1/12

Left: 276.528+/-1.030 χ^2/NDF : 1080.2/27

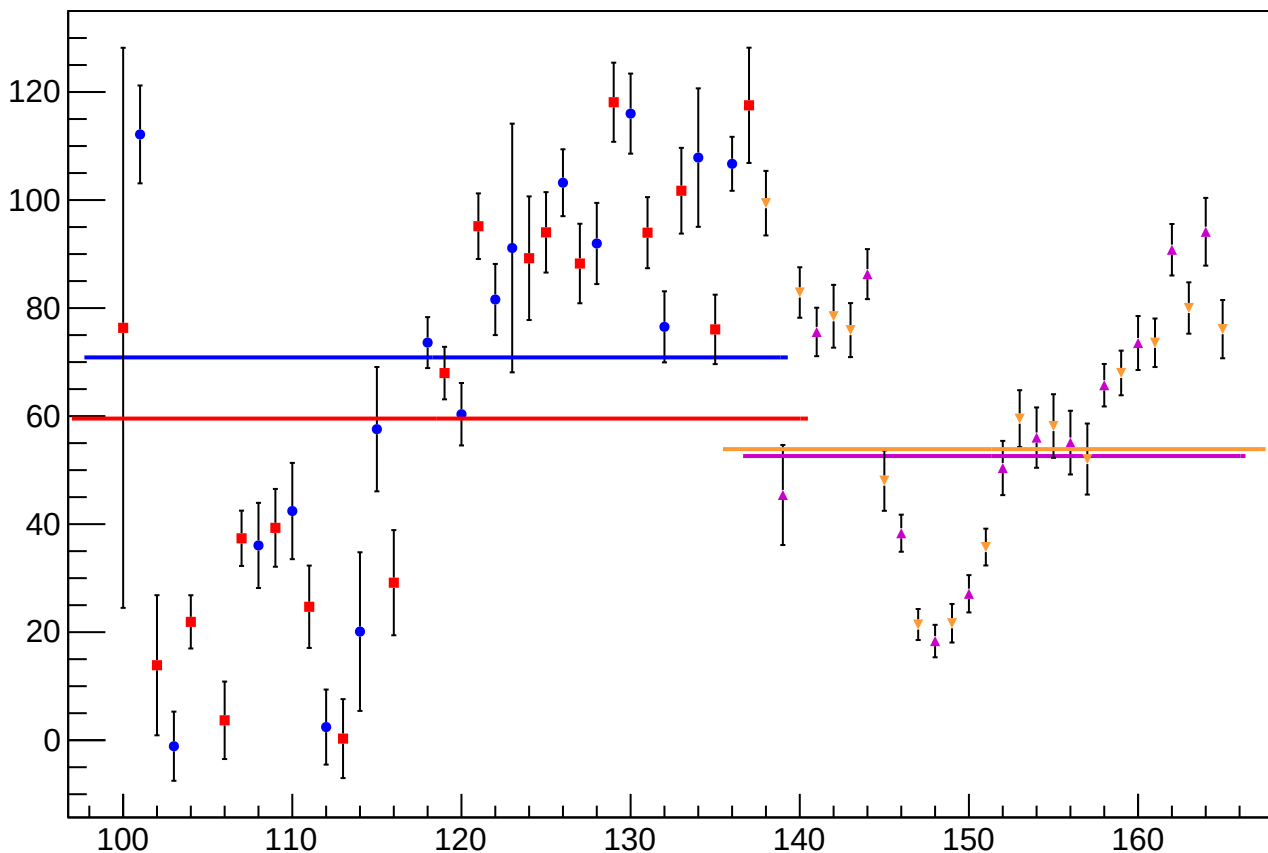
Right: 357.695+/-1.878 χ^2/NDF : 5901.5/35

In: 298.940+/-1.306 χ^2/NDF : 3831.1/29

Out: 291.981+/-1.250 χ^2/NDF : 4572.2/33

All: 295.310+/-0.903 χ^2/NDF : 8418.0/63

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: 53.891 $\pm$ 1.166 χ^2 /NDF: 452.5/14

Right Out: 59.546 $\pm$ 1.633 χ^2 /NDF: 490.9/18

Left In: 52.607 $\pm$ 1.229 χ^2 /NDF: 418.9/12

Left: 53.283 $\pm$ 0.846 χ^2 /NDF: 871.9/27

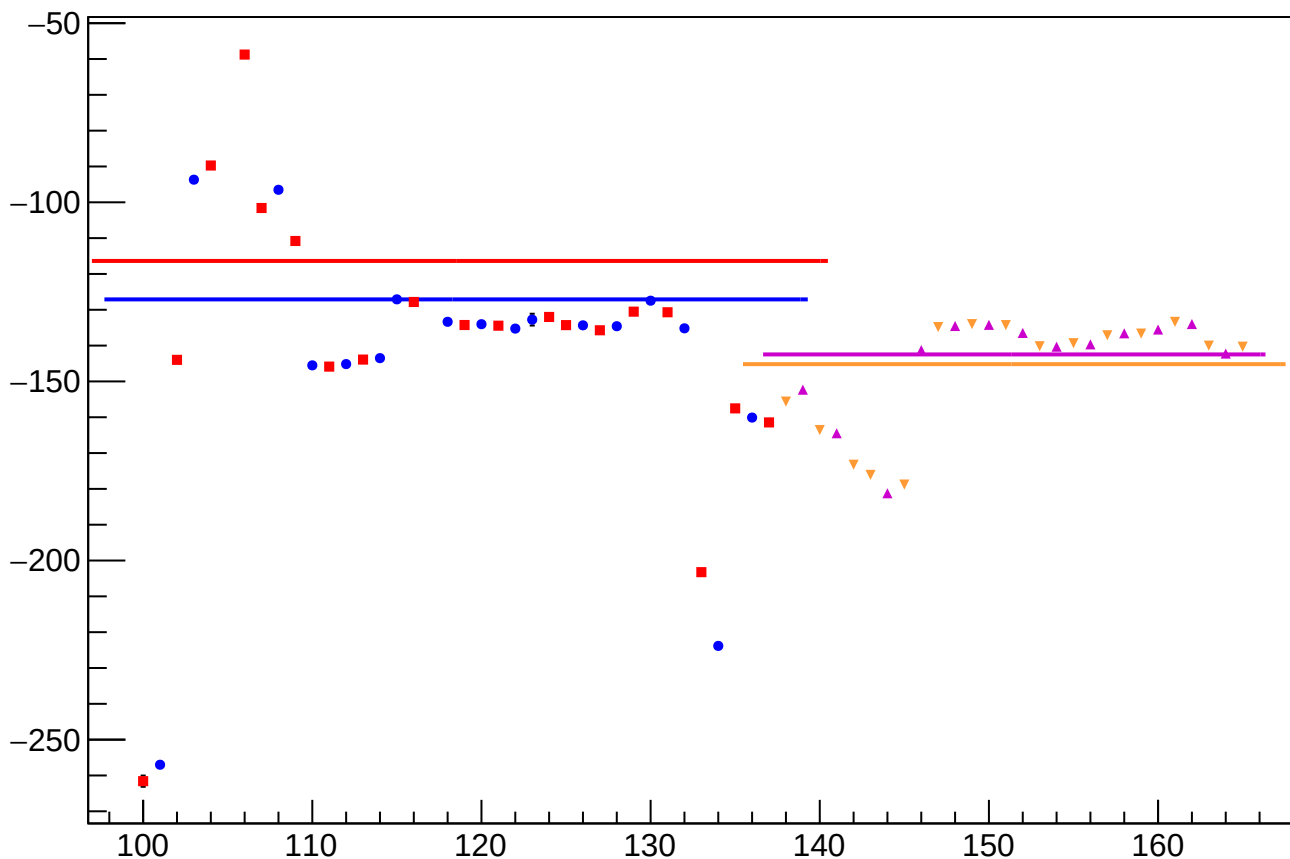
Right: 64.838 $\pm$ 1.192 χ^2 /NDF: 940.3/35

In: 58.672 $\pm$ 1.004 χ^2 /NDF: 919.1/29

Out: 55.800 $\pm$ 0.949 χ^2 /NDF: 951.3/33

All: 57.154 $\pm$ 0.690 χ^2 /NDF: 1874.8/63

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.105+/-0.089 χ^2/NDF : 167064.7/16

Left Out: -145.182+/-0.058 χ^2/NDF : 67689.6/14

Right Out: -116.369+/-0.083 χ^2/NDF : 167595.6/18

Left In: -142.466+/-0.059 χ^2/NDF : 43453.4/12

Left: -143.856+/-0.041 χ^2/NDF : 112228.7/27

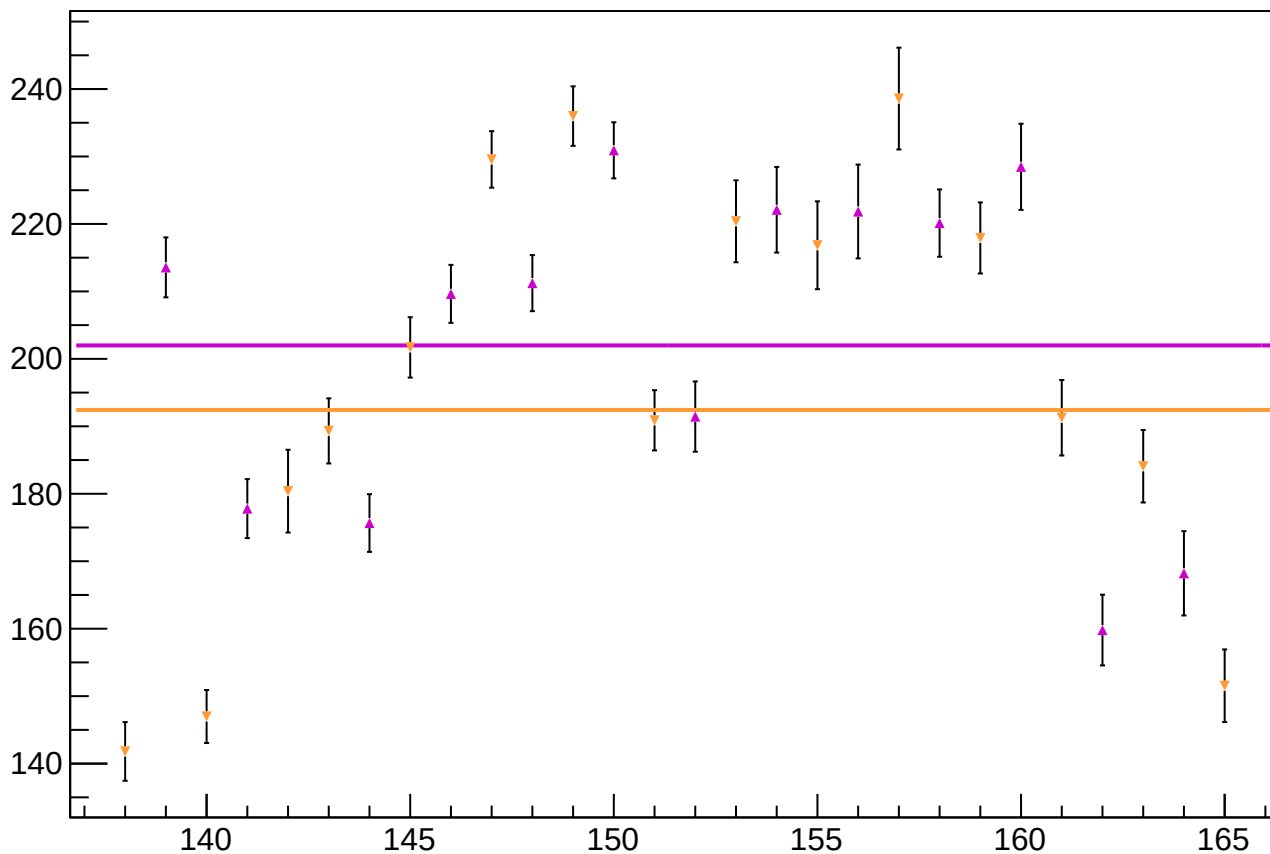
Right: -121.332+/-0.061 χ^2/NDF : 342408.2/35

In: -137.810+/-0.049 χ^2/NDF : 231077.5/29

Out: -135.809+/-0.047 χ^2/NDF : 316741.6/33

All: -136.769+/-0.034 χ^2/NDF : 548678.0/63

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: 192.424+/-1.290 χ^2/NDF :610.0/14

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

Left In: 201.992+/-1.365 χ^2/NDF :278.4/12

Left: 196.937+/-0.938 χ^2/NDF : 914.3/27

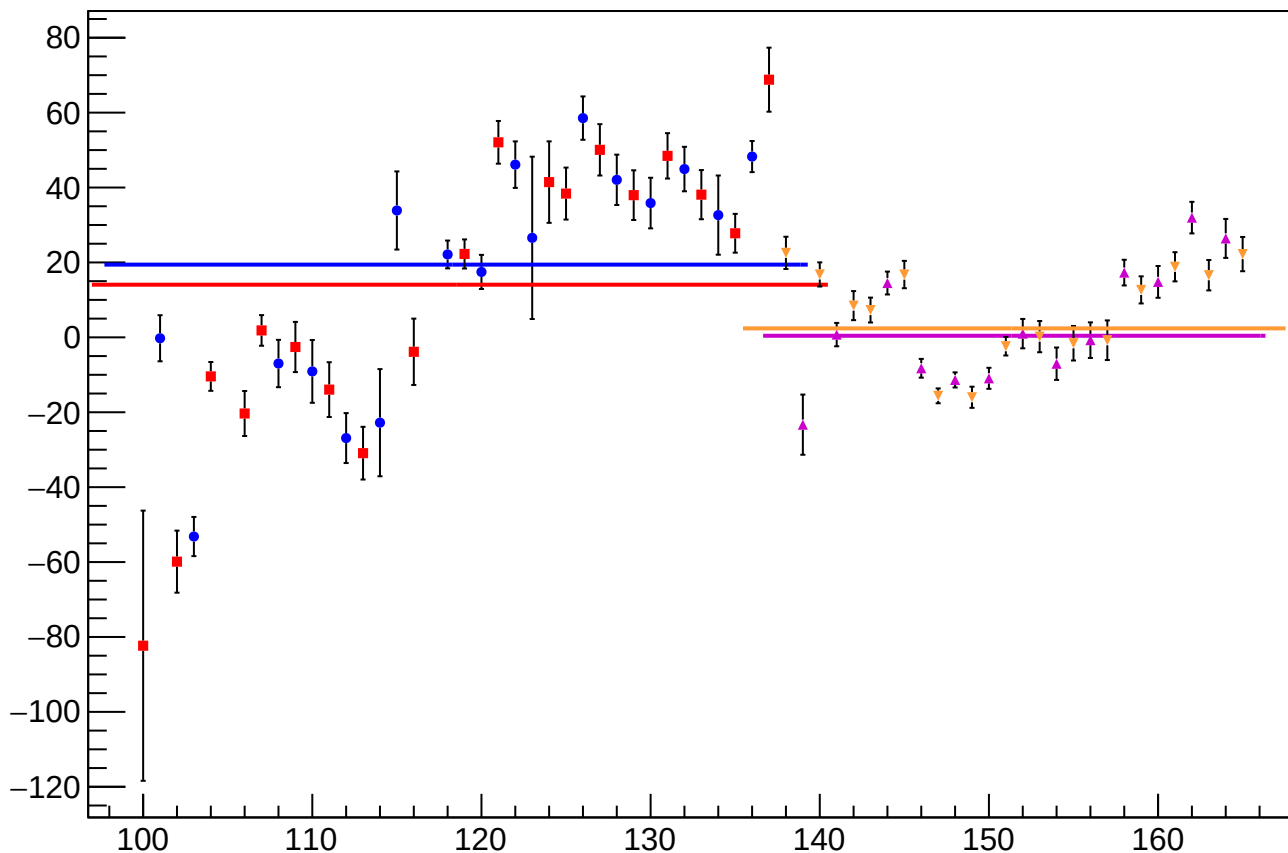
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 201.992+/-1.365 χ^2/NDF :278.4/12

Out: 192.424+/-1.290 χ^2/NDF :610.0/14

All: 196.937+/-0.938 χ^2/NDF : 914.3/27

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.416 ± 1.480 χ^2/NDF : 441.1/16

Left Out: 2.394 ± 0.872 χ^2/NDF : 248.7/14

Right Out: 14.055 ± 1.392 χ^2/NDF : 436.5/18

Left In: 0.424 ± 0.931 χ^2/NDF : 212.3/12

Left: 1.473 ± 0.636 χ^2/NDF : 463.4/27

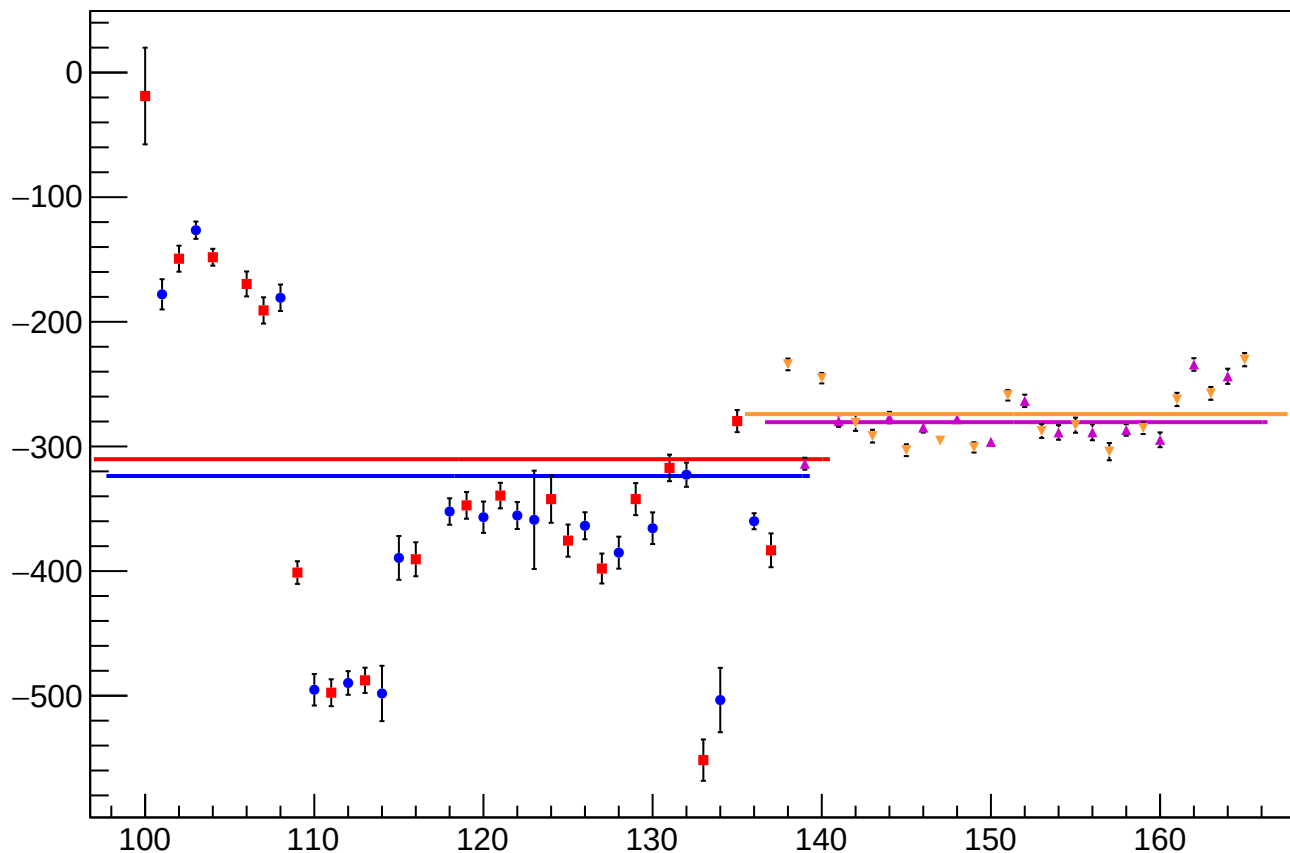
Right: 16.572 ± 1.014 χ^2/NDF : 884.6/35

In: 5.807 ± 0.788 χ^2/NDF : 771.4/29

Out: 5.680 ± 0.739 χ^2/NDF : 735.7/33

All: 5.739 ± 0.539 χ^2/NDF : 1507.1/63

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: -274.053+/-1.275 χ^2/NDF : 367.1/14

Right Out: -310.223+/-2.523 χ^2/NDF : 2300.0/18

Left In: -280.514+/-1.333 χ^2/NDF : 210.1/12

Left: -277.141+/-0.921 χ^2/NDF : 589.5/27

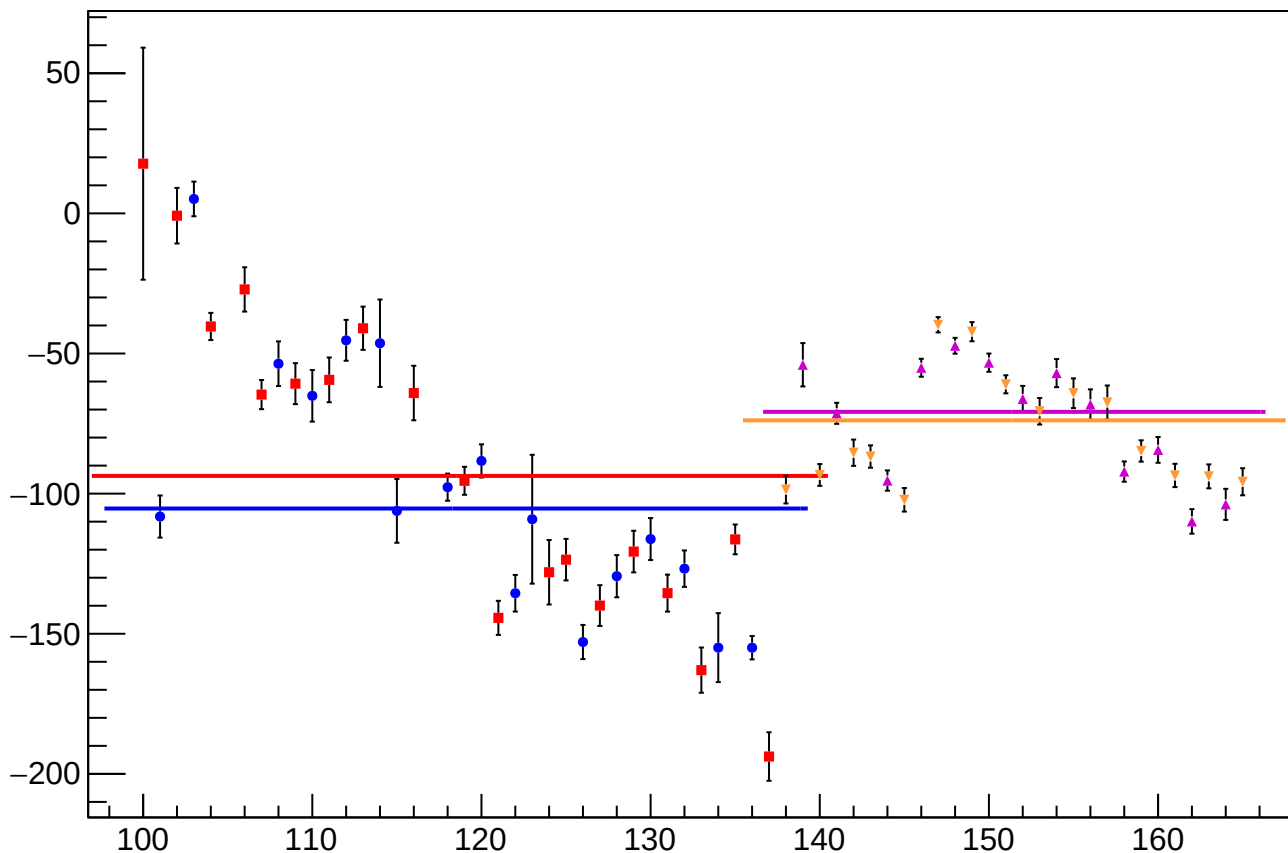
Right: -316.595+/-1.833 χ^2/NDF : 4164.2/35

In: -289.140+/-1.192 χ^2/NDF : 2270.7/29

Out: -281.412+/-1.138 χ^2/NDF : 2830.8/33

All: -285.096+/-0.823 χ^2/NDF : 5123.5/63

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.309 $\pm$ 1.693 χ^2/NDF : 737.5/16

Left Out: -73.854 $\pm$ 1.043 χ^2/NDF : 447.1/14

Right Out: -93.680 $\pm$ 1.612 χ^2/NDF : 826.5/18

Left In: -70.821 $\pm$ 1.111 χ^2/NDF : 341.1/12

Left: -72.433 $\pm$ 0.760 χ^2/NDF : 792.2/27

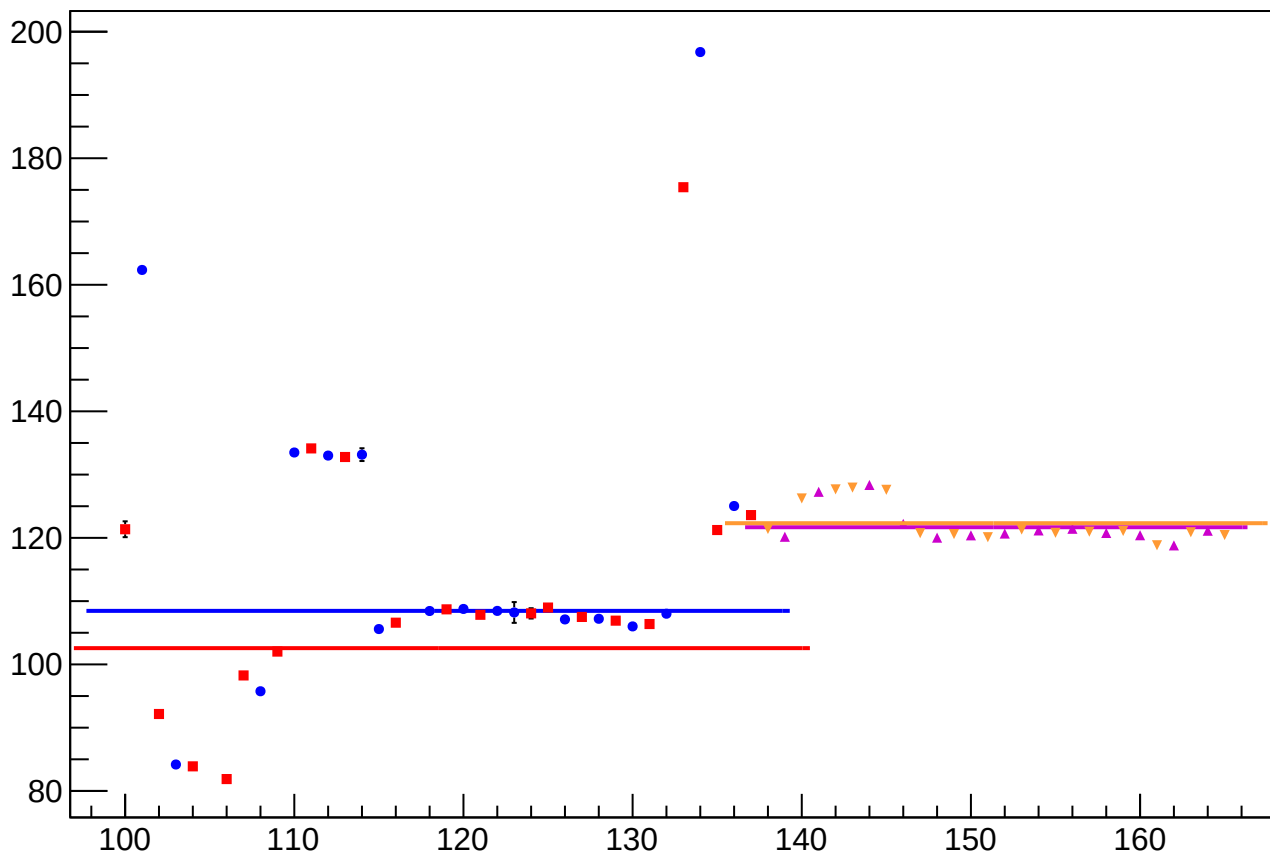
Right: -99.207 $\pm$ 1.167 χ^2/NDF : 1588.8/35

In: -81.196 $\pm$ 0.929 χ^2/NDF : 1368.7/29

Out: -79.707 $\pm$ 0.876 χ^2/NDF : 1380.3/33

All: -80.408 $\pm$ 0.637 χ^2/NDF : 2750.3/63

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.461+/-0.085 χ^2/NDF : 73302.1/16

Left Out: 122.318+/-0.051 χ^2/NDF : 3329.7/14

Right Out: 102.570+/-0.079 χ^2/NDF : 53143.8/18

Left In: 121.682+/-0.053 χ^2/NDF : 2557.5/12

Left: 122.011+/-0.037 χ^2/NDF : 5961.7/27

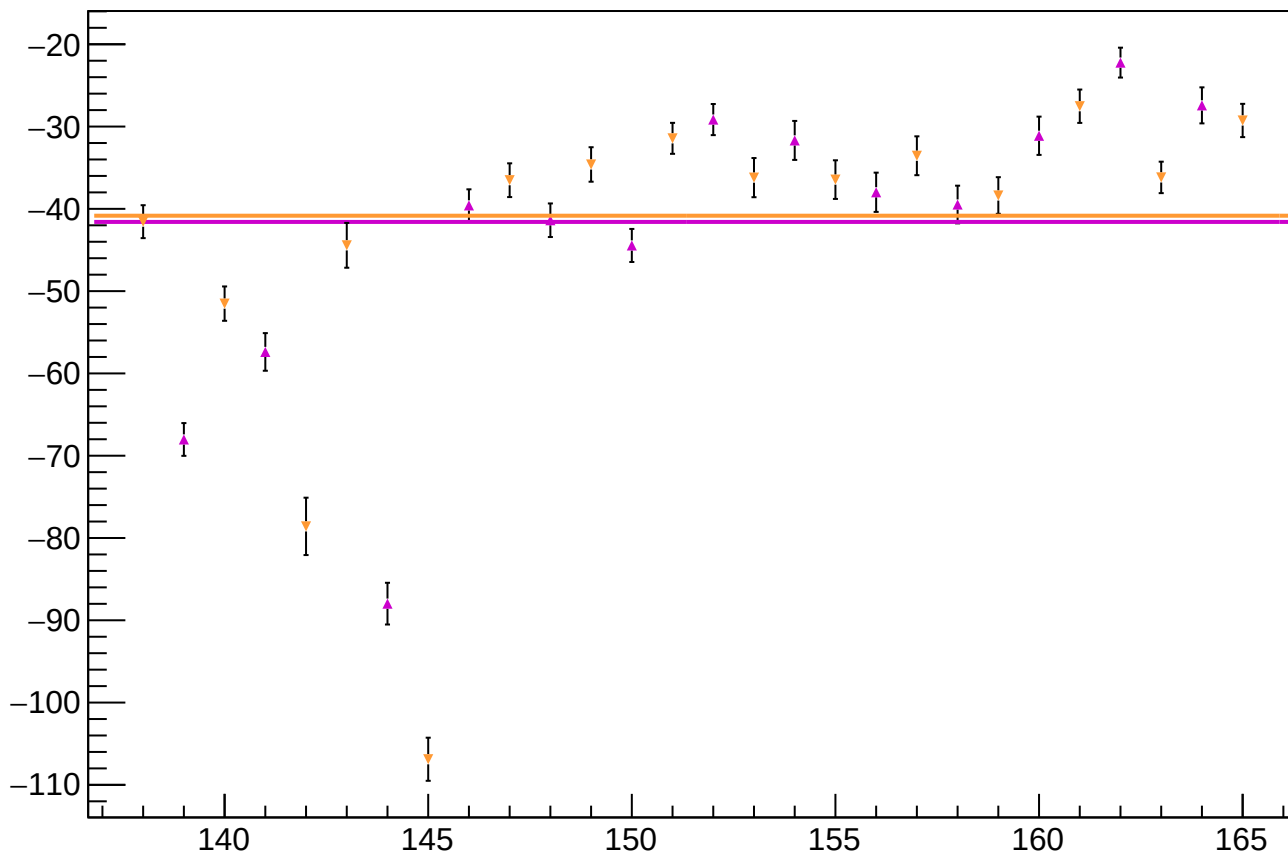
Right: 105.327+/-0.058 χ^2/NDF : 129018.0/35

In: 117.966+/-0.045 χ^2/NDF : 93369.3/29

Out: 116.535+/-0.043 χ^2/NDF : 100150.0/33

All: 117.219+/-0.031 χ^2/NDF : 194049.1/63

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



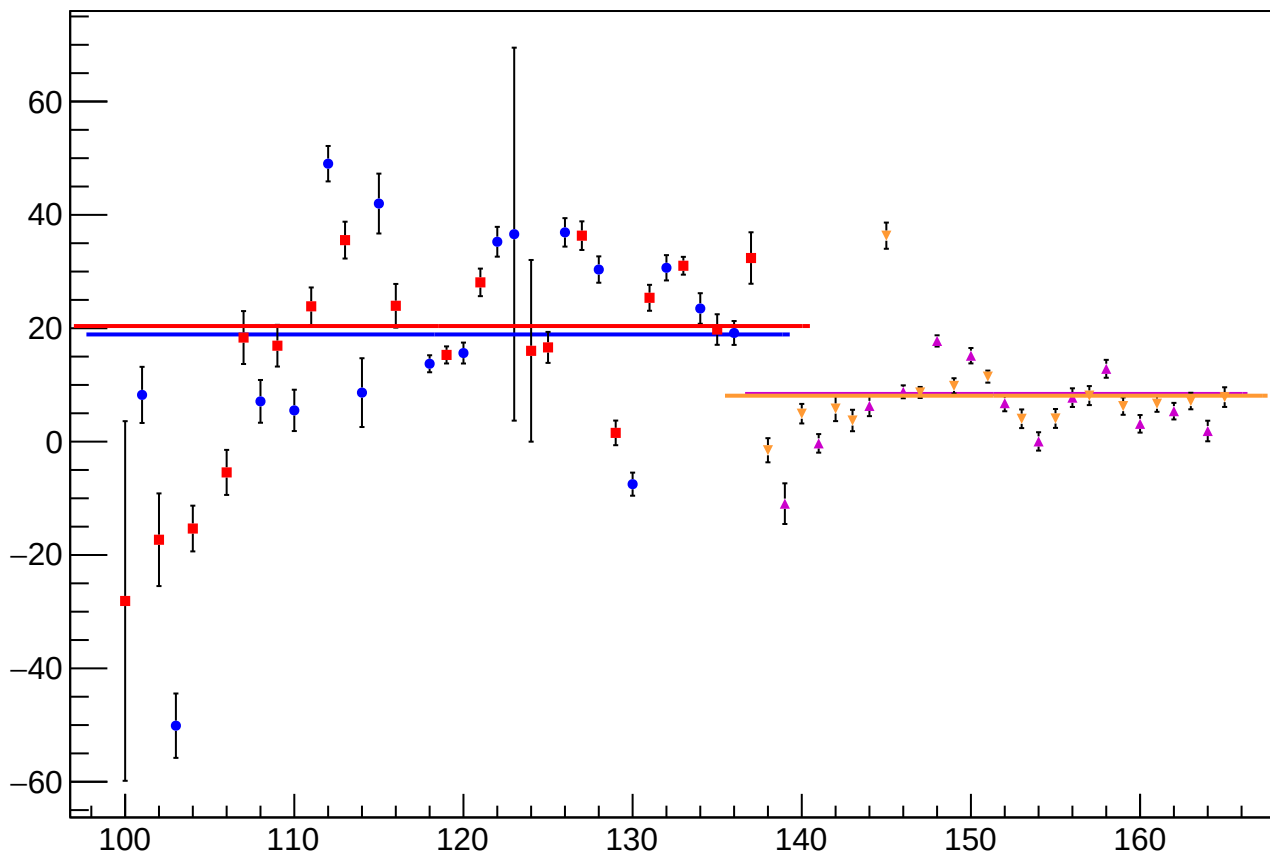
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -40.833+/-0.569 χ^2/NDF :919.5/14
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -41.590+/-0.590 χ^2/NDF :801.7/12

Left: -41.198+/-0.410 χ^2/NDF : 1722.0/27
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.590+/-0.590 χ^2/NDF :801.7/12
 Out: -40.833+/-0.569 χ^2/NDF :919.5/14

All: -41.198+/-0.410 χ^2/NDF : 1722.0/27

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.906 $\pm$ 0.644 χ^2 /NDF: 618.9/16

Left Out: 8.102 $\pm$ 0.392 χ^2 /NDF:206.2/14

Right Out: 20.390 $\pm$ 0.644 χ^2 /NDF: 365.3/18

Left In: 8.409 $\pm$ 0.411 χ^2 /NDF:237.1/12

Left: 8.248 $\pm$ 0.284 χ^2 /NDF: 443.7/27

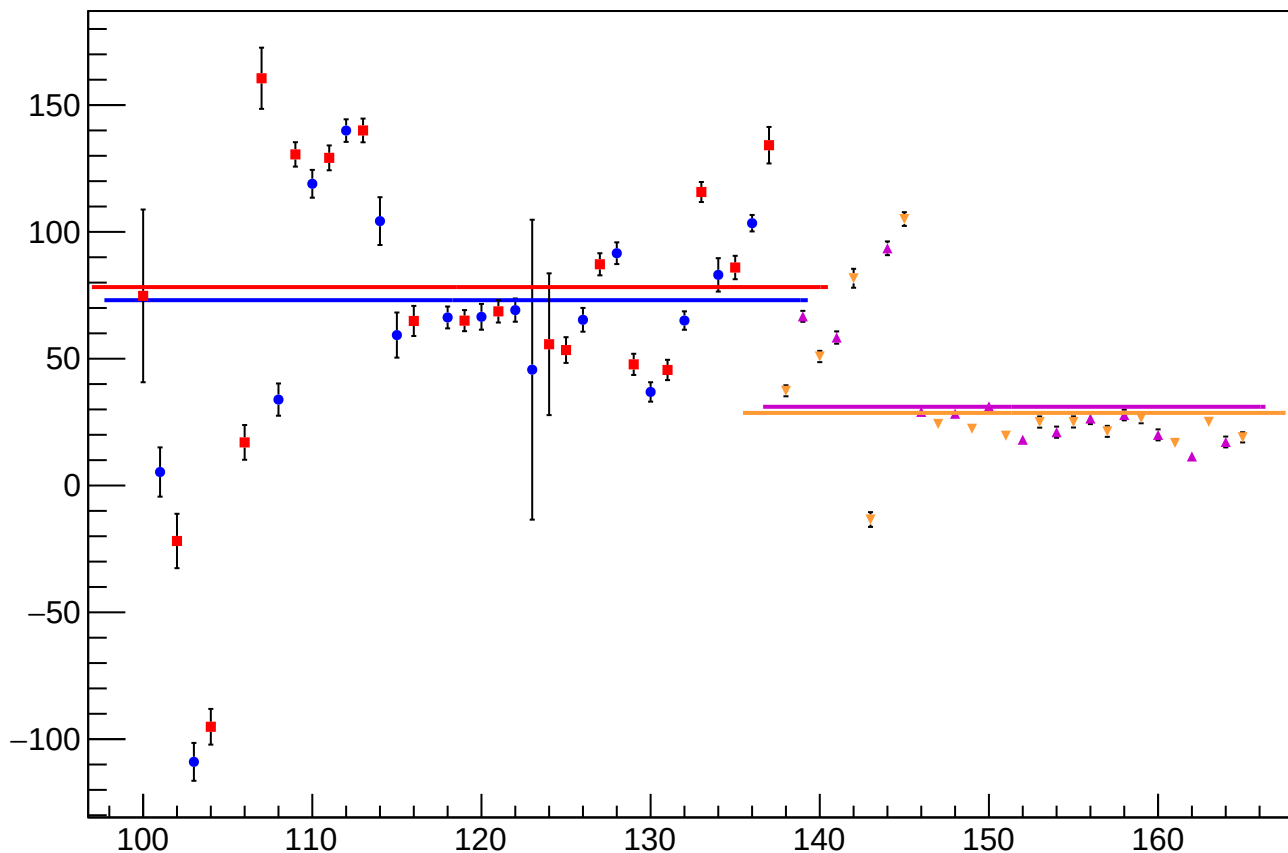
Right: 19.648 $\pm$ 0.455 χ^2 /NDF: 986.9/35

In: 11.454 $\pm$ 0.347 χ^2 /NDF:1045.0/29

Out: 11.422 $\pm$ 0.335 χ^2 /NDF:837.3/33

All: 11.438 $\pm$ 0.241 χ^2 /NDF: 1882.3/63

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: 28.629 $\pm$ 0.555 χ^2 /NDF:1448.4/14

Right Out: 78.241 $\pm$ 1.223 χ^2 /NDF: 1542.7/18

Left In: 31.044 $\pm$ 0.571 χ^2 /NDF:1207.4/12

Left: 29.801 $\pm$ 0.398 χ^2 /NDF: 2665.0/27

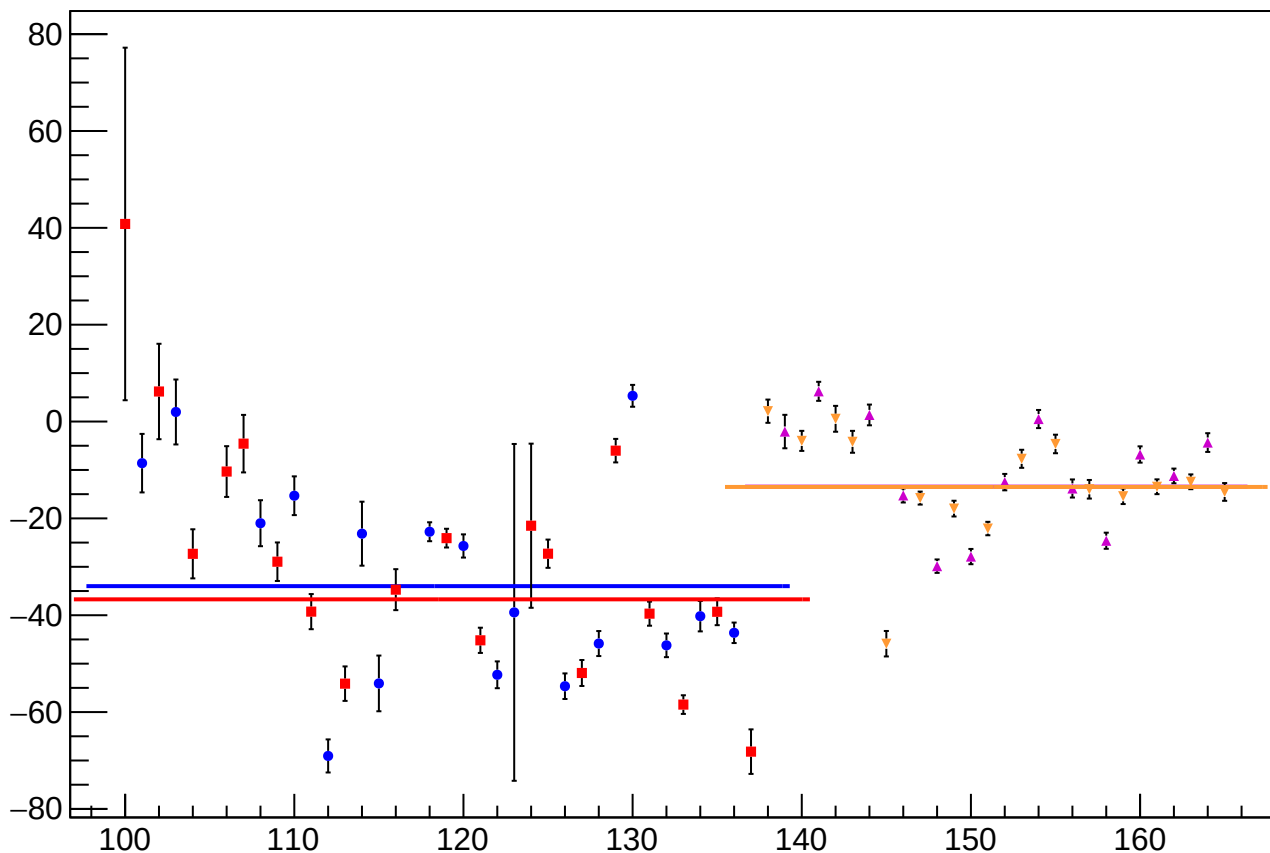
Right: 75.667 $\pm$ 0.866 χ^2 /NDF: 2751.5/35

In: 38.524 $\pm$ 0.518 χ^2 /NDF:3370.4/29

Out: 37.098 $\pm$ 0.505 χ^2 /NDF:4356.7/33

All: 37.793 $\pm$ 0.362 χ^2 /NDF: 7731.0/63

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.991 ± 0.736 χ^2/NDF : 719.8/16

Left Out: -13.508 ± 0.461 χ^2/NDF : 342.1/14

Right Out: -36.719 ± 0.737 χ^2/NDF : 542.9/18

Left In: -13.446 ± 0.483 χ^2/NDF : 525.2/12

Left: -13.478 ± 0.333 χ^2/NDF : 867.3/27

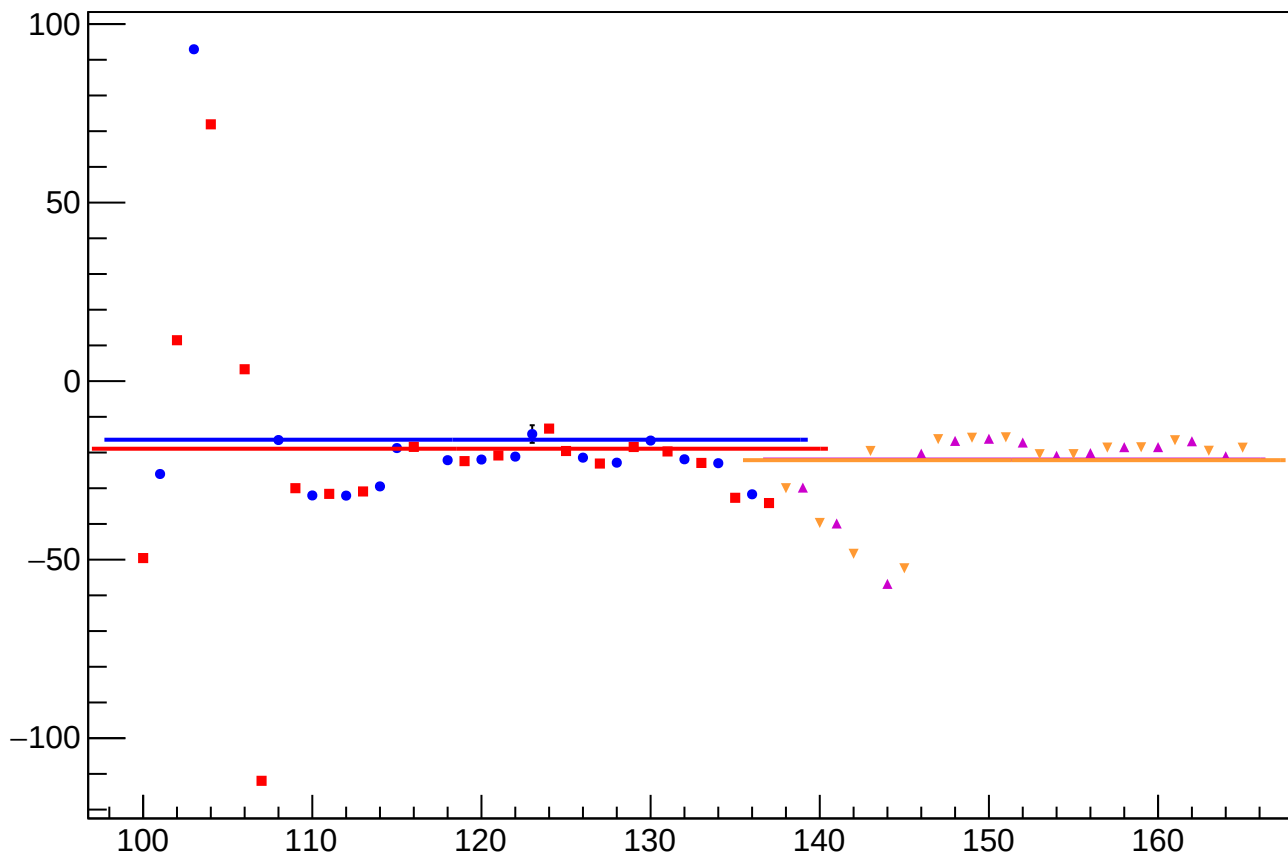
Right: -35.354 ± 0.521 χ^2/NDF : 1269.6/35

In: -19.627 ± 0.404 χ^2/NDF : 1789.4/29

Out: -20.032 ± 0.391 χ^2/NDF : 1598.5/33

All: -19.836 ± 0.281 χ^2/NDF : 3388.4/63

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: -22.137 ± 0.022 $\chi^2/\text{NDF}: 183867.8/14$

Right Out: -18.934 ± 0.045 $\chi^2/\text{NDF}: 434152.2/18$

Left In: -21.967 ± 0.022 $\chi^2/\text{NDF}: 154244.2/12$

Left: -22.055 ± 0.016 $\chi^2/\text{NDF}: 338141.7/27$

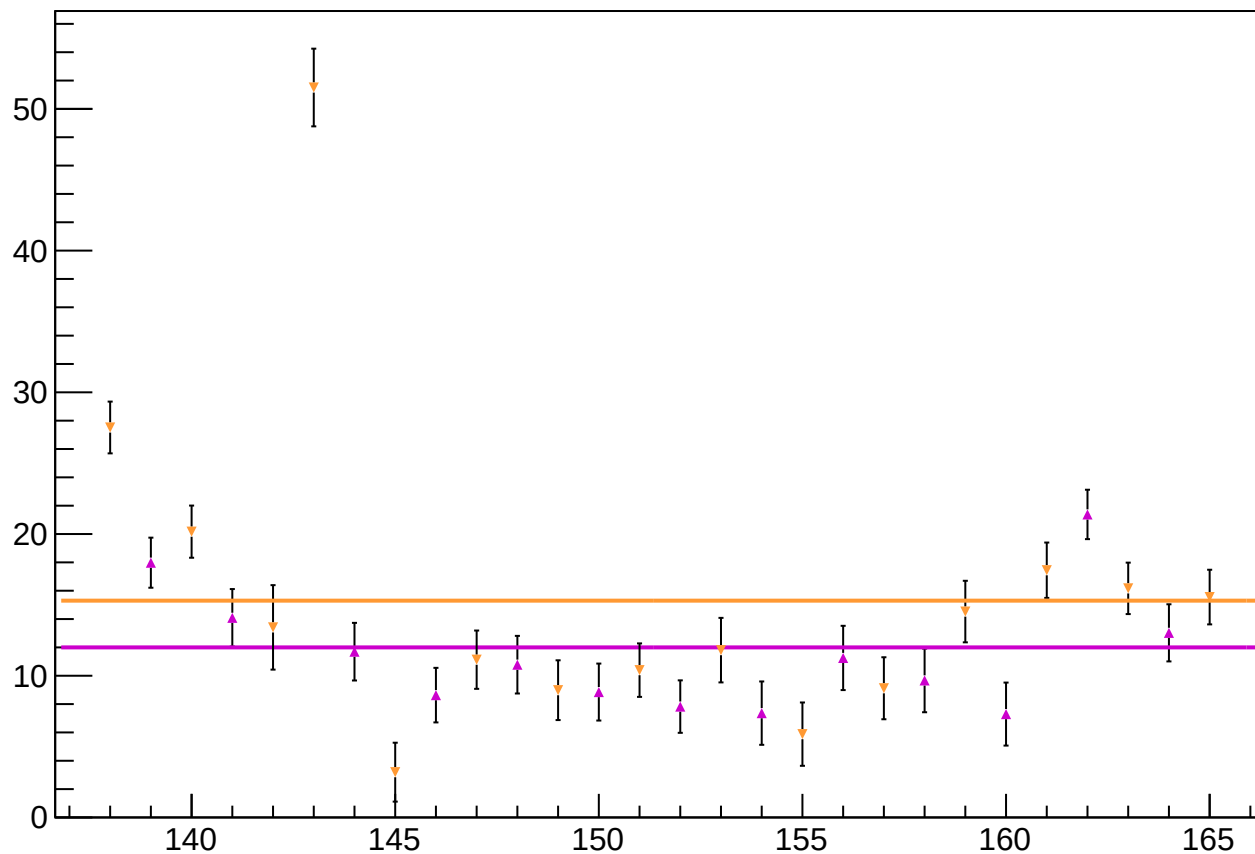
Right: -17.648 ± 0.032 $\chi^2/\text{NDF}: 910108.0/35$

In: -20.844 ± 0.020 $\chi^2/\text{NDF}: 641110.1/29$

Out: -21.534 ± 0.020 $\chi^2/\text{NDF}: 622089.6/33$

All: -21.195 ± 0.014 $\chi^2/\text{NDF}: 1263807.4/63$

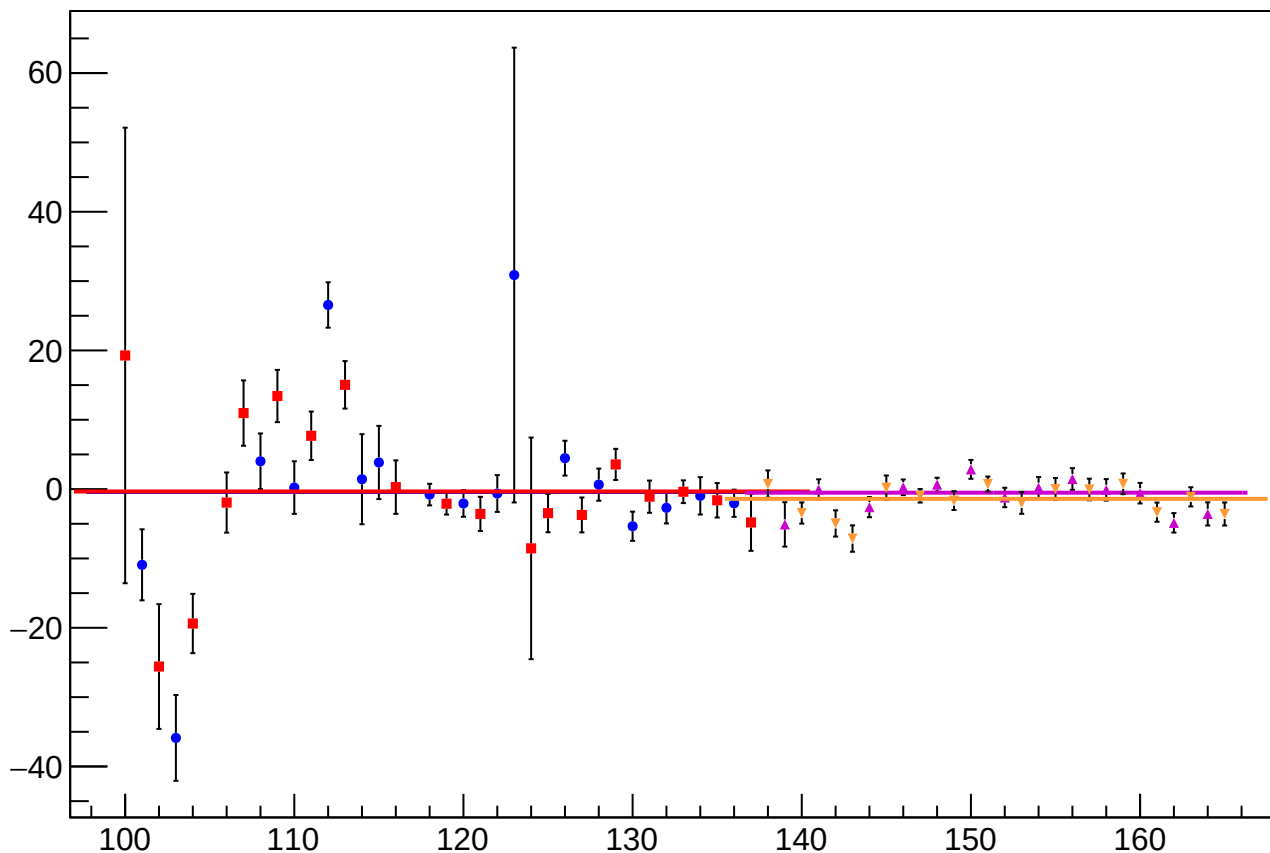
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 15.299 $\pm$ 0.537 χ^2 /NDF:310.1/14
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 12.000 $\pm$ 0.557 χ^2 /NDF:62.7/12

Left: 13.708 $\pm$ 0.387 χ^2 /NDF: 390.9/27
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 12.000 $\pm$ 0.557 χ^2 /NDF:62.7/12
 Out: 15.299 $\pm$ 0.537 χ^2 /NDF:310.1/14
 All: 13.708 $\pm$ 0.387 χ^2 /NDF: 390.9/27

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.414 ± 0.653 χ^2/NDF : 119.9/16

Left Out: -1.403 ± 0.376 χ^2/NDF : 28.1/14

Right Out: -0.342 ± 0.658 χ^2/NDF : 83.7/18

Left In: -0.516 ± 0.393 χ^2/NDF : 27.3/12

Left: -0.980 ± 0.272 χ^2/NDF : 58.0/27

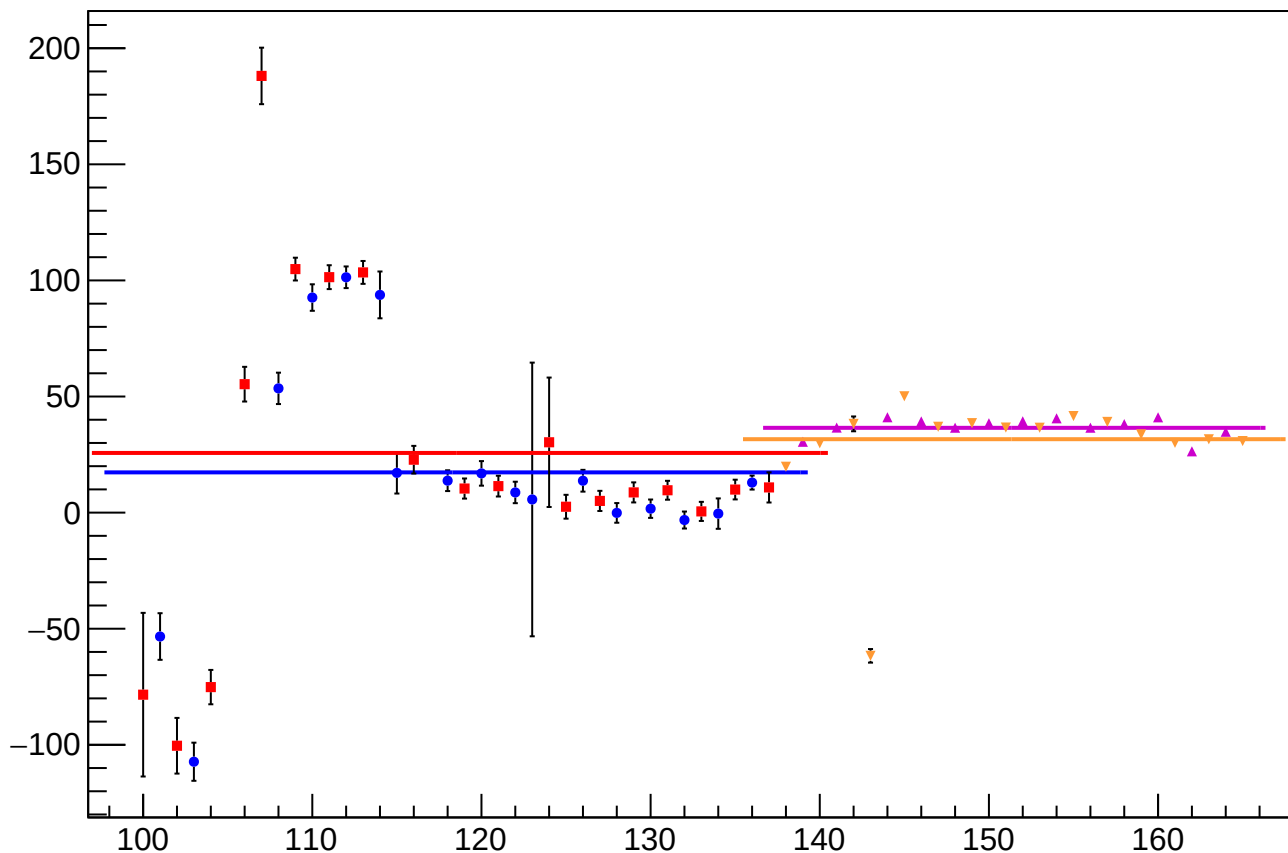
Right: -0.378 ± 0.463 χ^2/NDF : 203.7/35

In: -0.489 ± 0.337 χ^2/NDF : 147.2/29

Out: -1.143 ± 0.326 χ^2/NDF : 113.8/33

All: -0.826 ± 0.234 χ^2/NDF : 262.9/63

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: 31.621 ± 0.527 $\chi^2/\text{NDF}: 1201.0/14$

Right Out: 25.701 ± 1.243 $\chi^2/\text{NDF}: 1379.1/18$

Left In: 36.514 ± 0.542 $\chi^2/\text{NDF}: 66.6/12$

Left: 33.999 ± 0.378 $\chi^2/\text{NDF}: 1309.5/27$

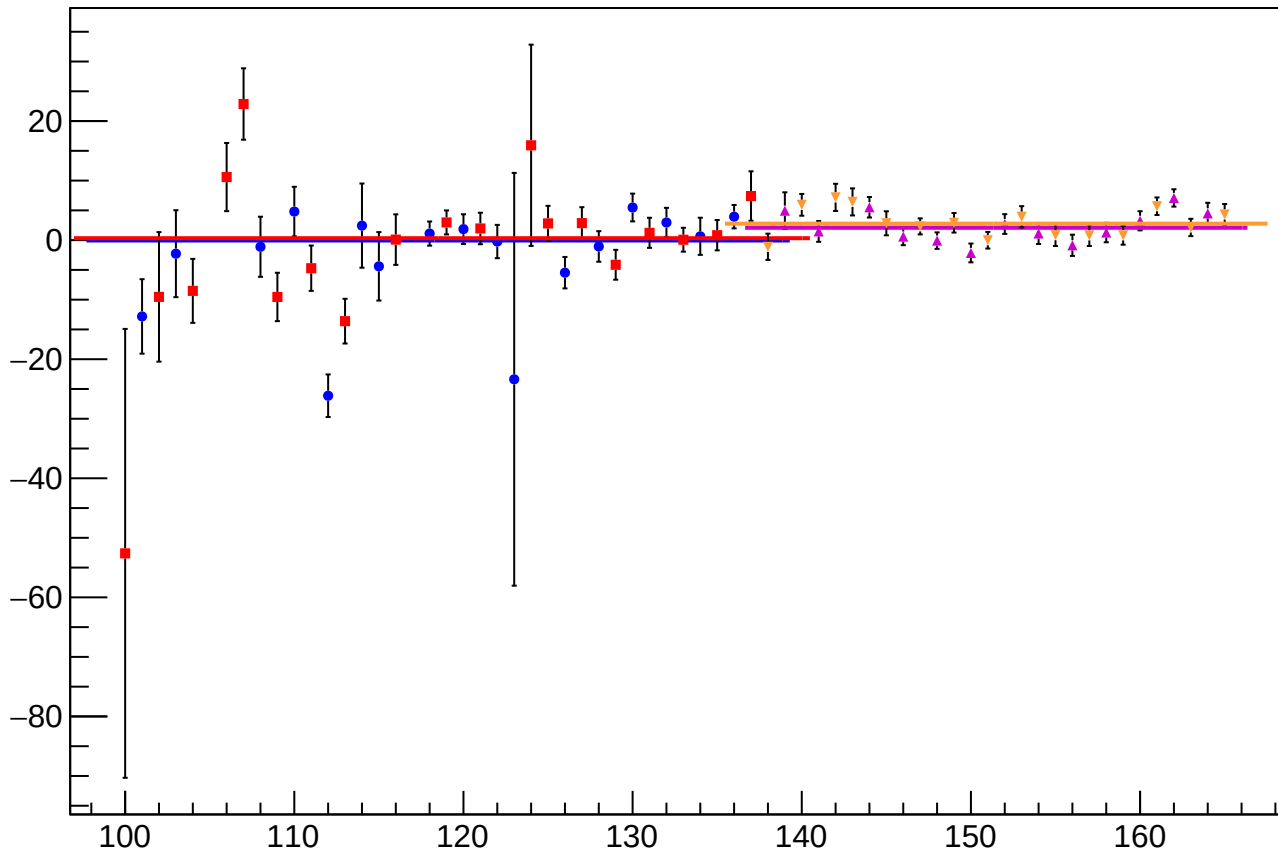
Right: 21.501 ± 0.877 $\chi^2/\text{NDF}: 2345.0/35$

In: 33.436 ± 0.496 $\chi^2/\text{NDF}: 1211.1/29$

Out: 30.720 ± 0.485 $\chi^2/\text{NDF}: 2599.4/33$

All: 32.046 ± 0.347 $\chi^2/\text{NDF}: 3825.8/63$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.744 χ^2/NDF : 76.5/16

Left Out: 2.770 ± 0.440 χ^2/NDF : 25.7/14

Right Out: 0.326 ± 0.749 χ^2/NDF : 55.1/18

Left In: 2.076 ± 0.460 χ^2/NDF : 33.3/12

Left: 2.438 ± 0.318 χ^2/NDF : 60.2/27

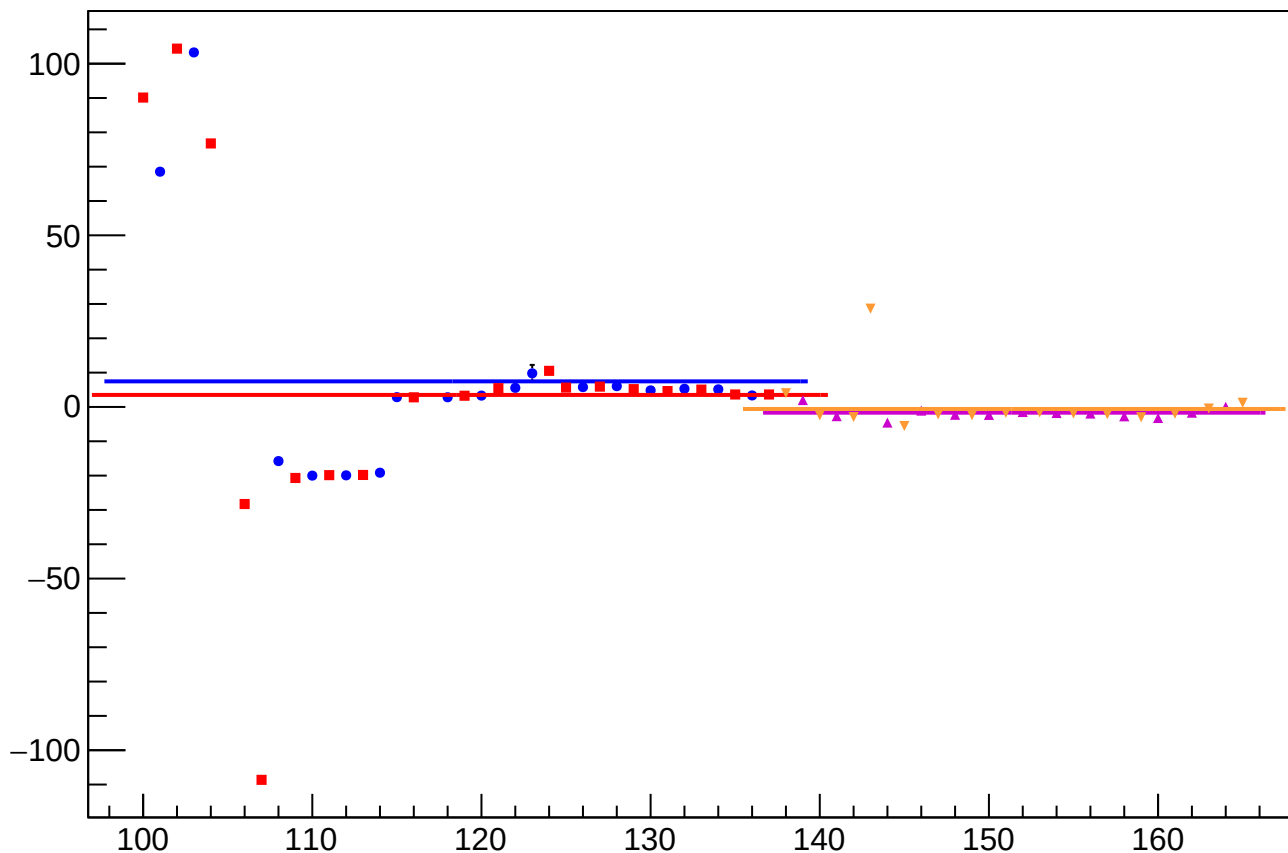
Right: 0.132 ± 0.528 χ^2/NDF : 131.8/35

In: 1.485 ± 0.391 χ^2/NDF : 115.8/29

Out: 2.143 ± 0.379 χ^2/NDF : 88.8/33

All: 1.824 ± 0.272 χ^2/NDF : 206.0/63

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: -0.588+/-0.021 χ^2/NDF : 74009.2/14

Right Out: 3.502+/-0.046 χ^2/NDF : 510579.7/18

Left In: -1.669+/-0.021 χ^2/NDF : 5274.4/12

Left: -1.115+/-0.015 χ^2/NDF : 80622.1/27

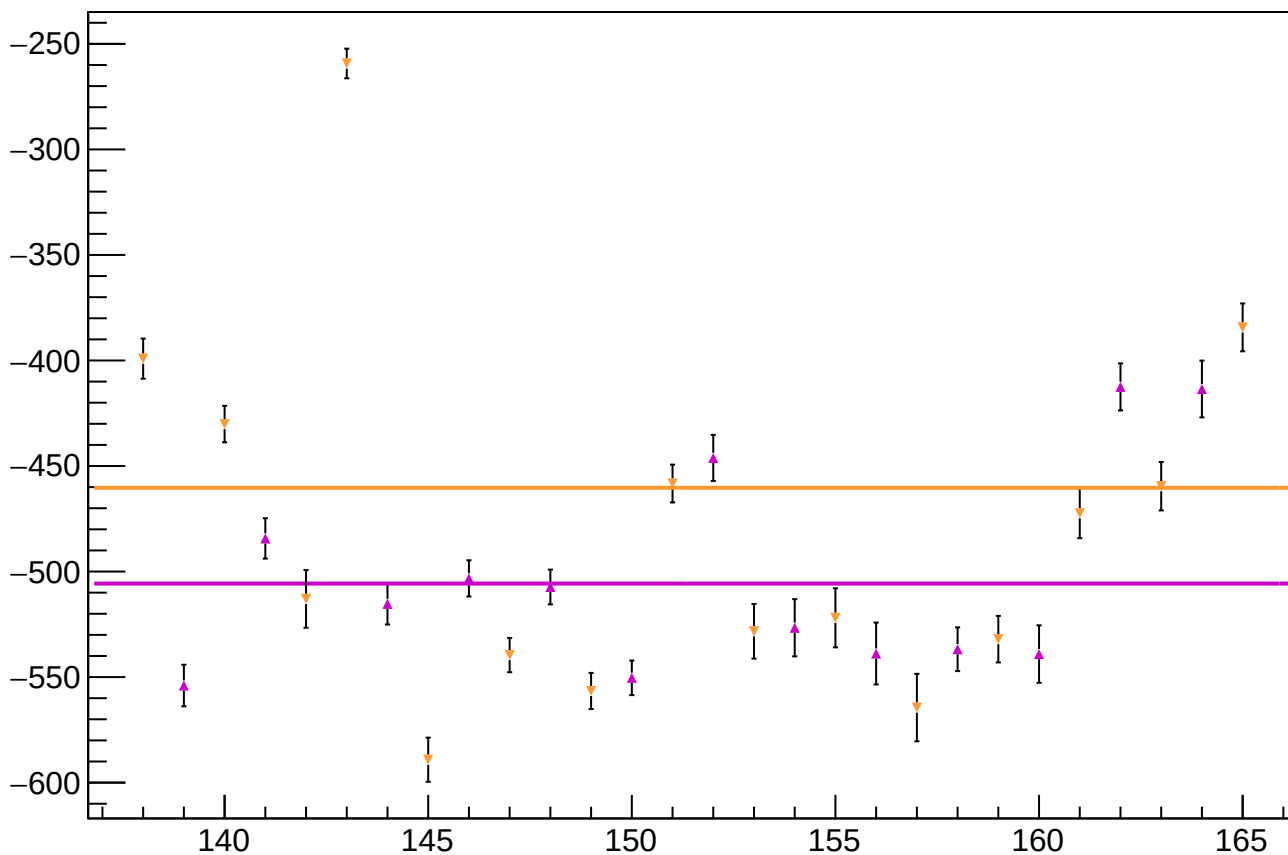
Right: 5.528+/-0.032 χ^2/NDF : 870492.1/35

In: 0.018+/-0.019 χ^2/NDF : 395707.1/29

Out: 0.108+/-0.019 χ^2/NDF : 591281.2/33

All: 0.064+/-0.013 χ^2/NDF : 986999.5/63

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: -460.297+/-2.614 χ^2/NDF :1440.3/14

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

Left In: -505.693+/-2.867 χ^2/NDF :228.8/12

Left: -480.907+/-1.932 χ^2/NDF : 1806.0/27

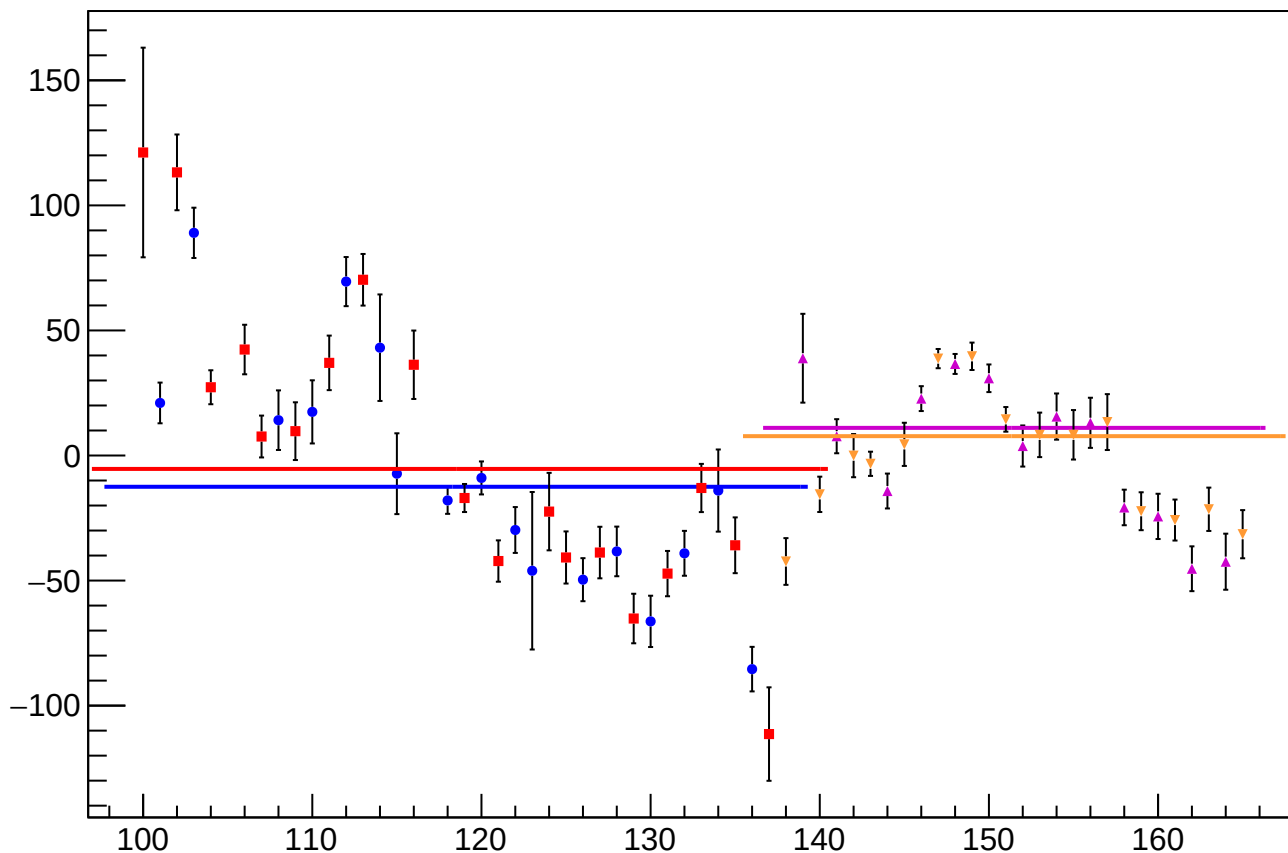
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -505.693+/-2.867 χ^2/NDF :228.8/12

Out: -460.297+/-2.614 χ^2/NDF :1440.3/14

All: -480.907+/-1.932 χ^2/NDF : 1806.0/27

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: 7.735 ± 1.740 χ^2/NDF : 207.3/14

Right Out: -5.363 ± 2.264 χ^2/NDF : 344.6/18

Left In: 11.051 ± 1.924 χ^2/NDF : 174.0/12

Left: 9.226 ± 1.290 χ^2/NDF : 382.9/27

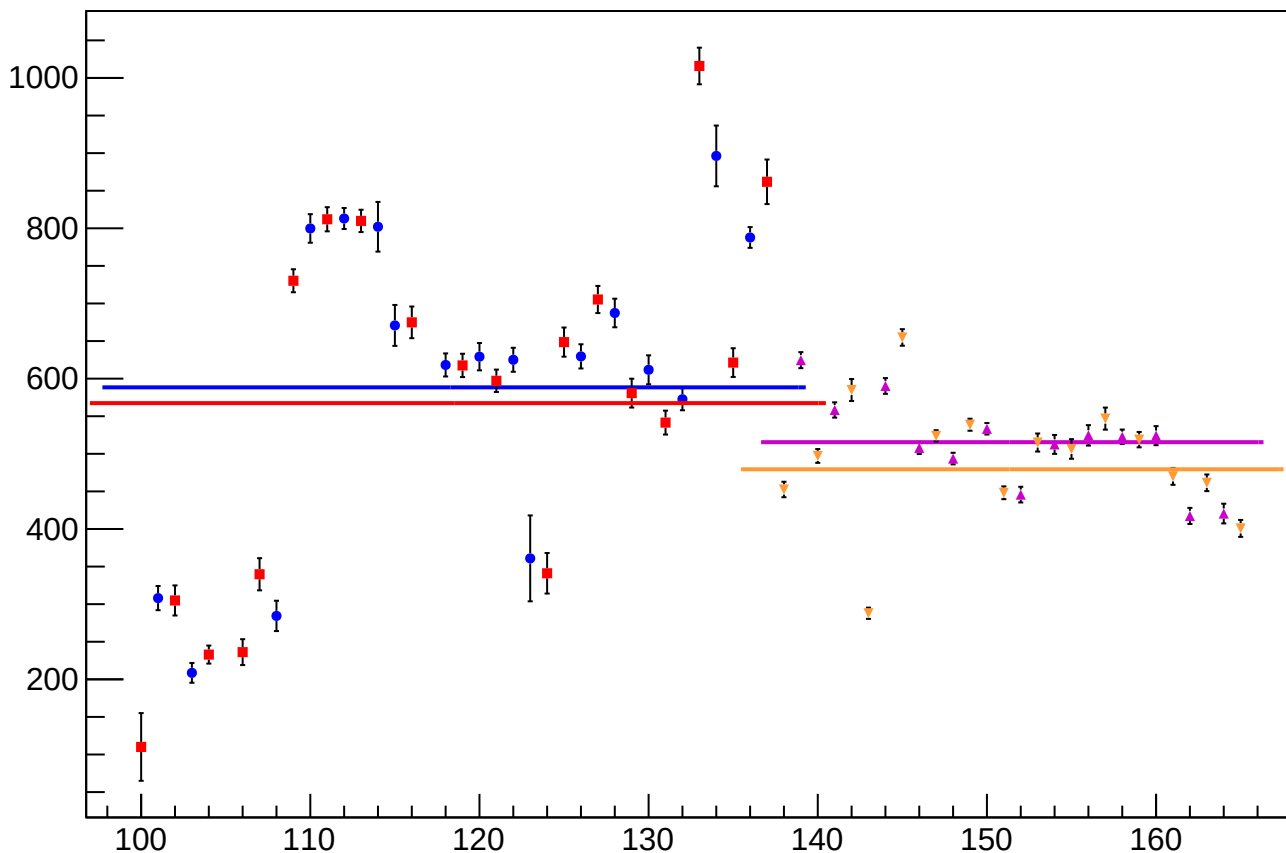
Right: -8.858 ± 1.617 χ^2/NDF : 690.5/35

In: 1.410 ± 1.479 χ^2/NDF : 576.4/29

Out: 2.873 ± 1.379 χ^2/NDF : 572.9/33

All: 2.192 ± 1.009 χ^2/NDF : 1149.8/63

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 588.421 ± 4.320 $\chi^2/\text{NDF}: 2130.2/16$

Left Out: 479.433 ± 2.585 $\chi^2/\text{NDF}: 1173.2/14$

Right Out: 567.451 ± 4.137 $\chi^2/\text{NDF}: 2784.8/18$

Left In: 515.486 ± 2.786 $\chi^2/\text{NDF}: 369.7/12$

Left: 496.110 ± 1.895 $\chi^2/\text{NDF}: 1632.9/27$

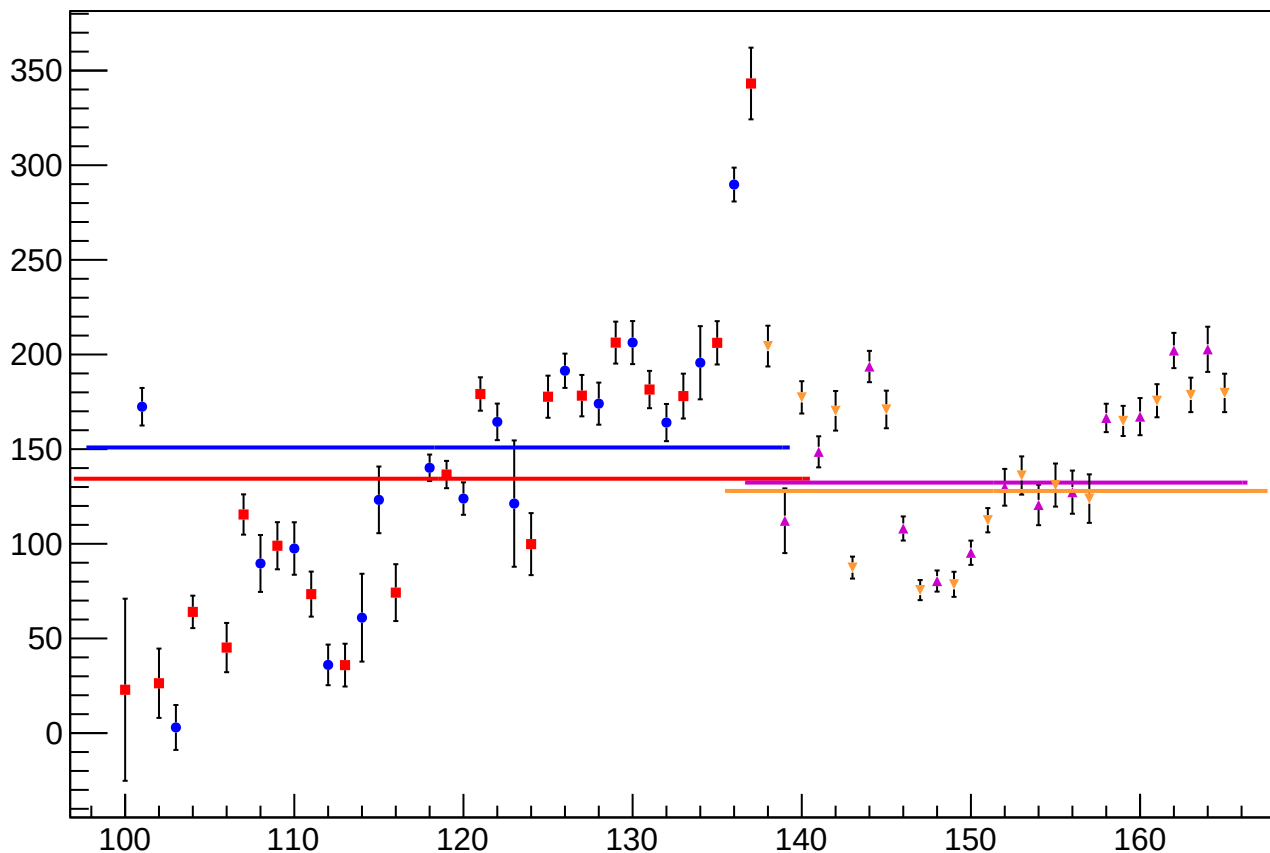
Right: 577.481 ± 2.988 $\chi^2/\text{NDF}: 4927.3/35$

In: 536.910 ± 2.342 $\chi^2/\text{NDF}: 2701.2/29$

Out: 504.148 ± 2.192 $\chi^2/\text{NDF}: 4283.6/33$

All: 519.450 ± 1.600 $\chi^2/\text{NDF}: 7089.1/63$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 150.891 $\pm$ 2.674 χ^2 /NDF: 634.8/16

Left Out: 127.922 $\pm$ 2.094 χ^2 /NDF:435.7/14

Right Out: 134.381 $\pm$ 2.620 χ^2 /NDF: 584.9/18

Left In: 132.338 $\pm$ 2.308 χ^2 /NDF:320.7/12

Left: 129.915 $\pm$ 1.551 χ^2 /NDF: 758.4/27

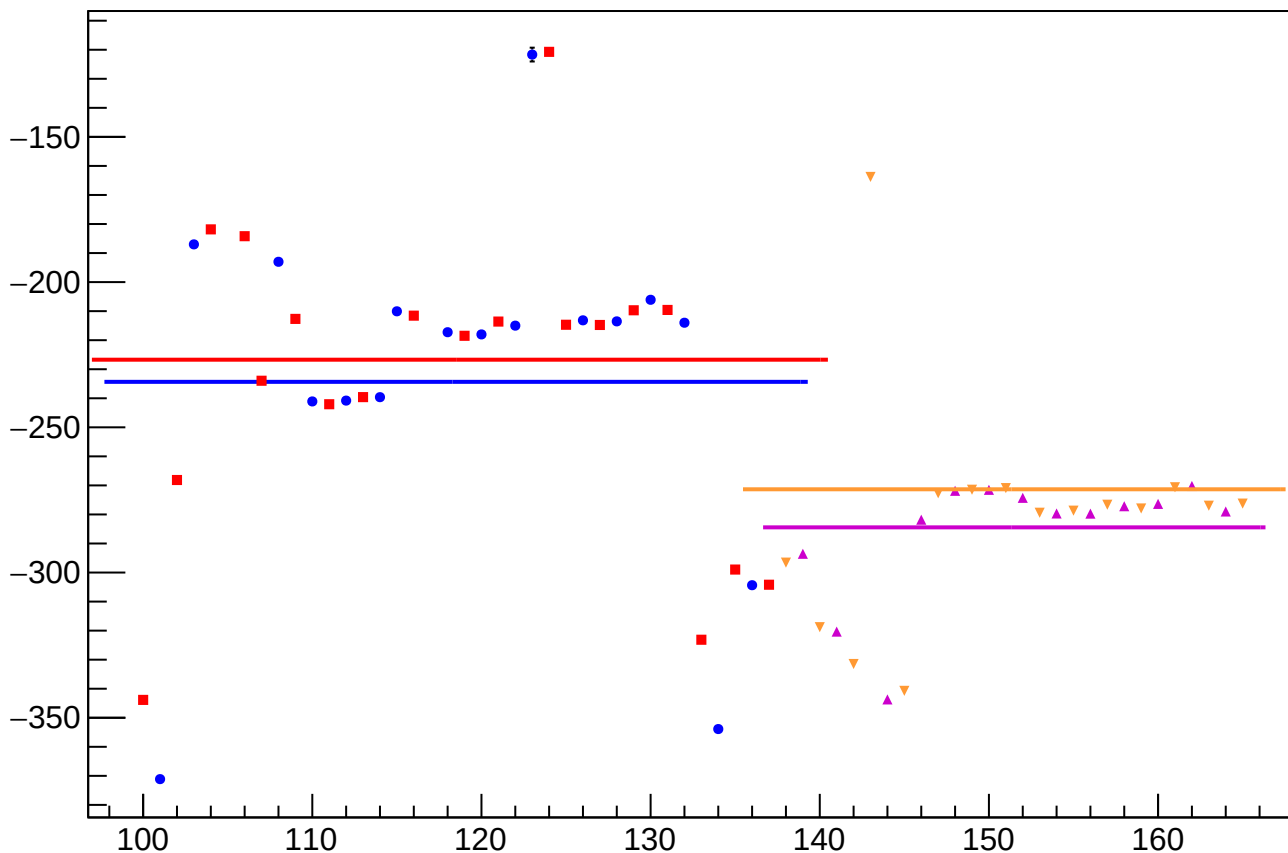
Right: 142.467 $\pm$ 1.871 χ^2 /NDF: 1239.2/35

In: 140.260 $\pm$ 1.747 χ^2 /NDF:983.1/29

Out: 130.439 $\pm$ 1.636 χ^2 /NDF:1024.3/33

All: 135.026 $\pm$ 1.194 χ^2 /NDF: 2024.3/63

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.341 ± 0.148 $\chi^2/\text{NDF}: 145165.1/16$

Left Out: -271.337 ± 0.104 $\chi^2/\text{NDF}: 182982.9/14$

Right Out: -226.716 ± 0.141 $\chi^2/\text{NDF}: 99440.4/18$

Left In: -284.441 ± 0.111 $\chi^2/\text{NDF}: 30765.3/12$

Left: -277.465 ± 0.076 $\chi^2/\text{NDF}: 221149.1/27$

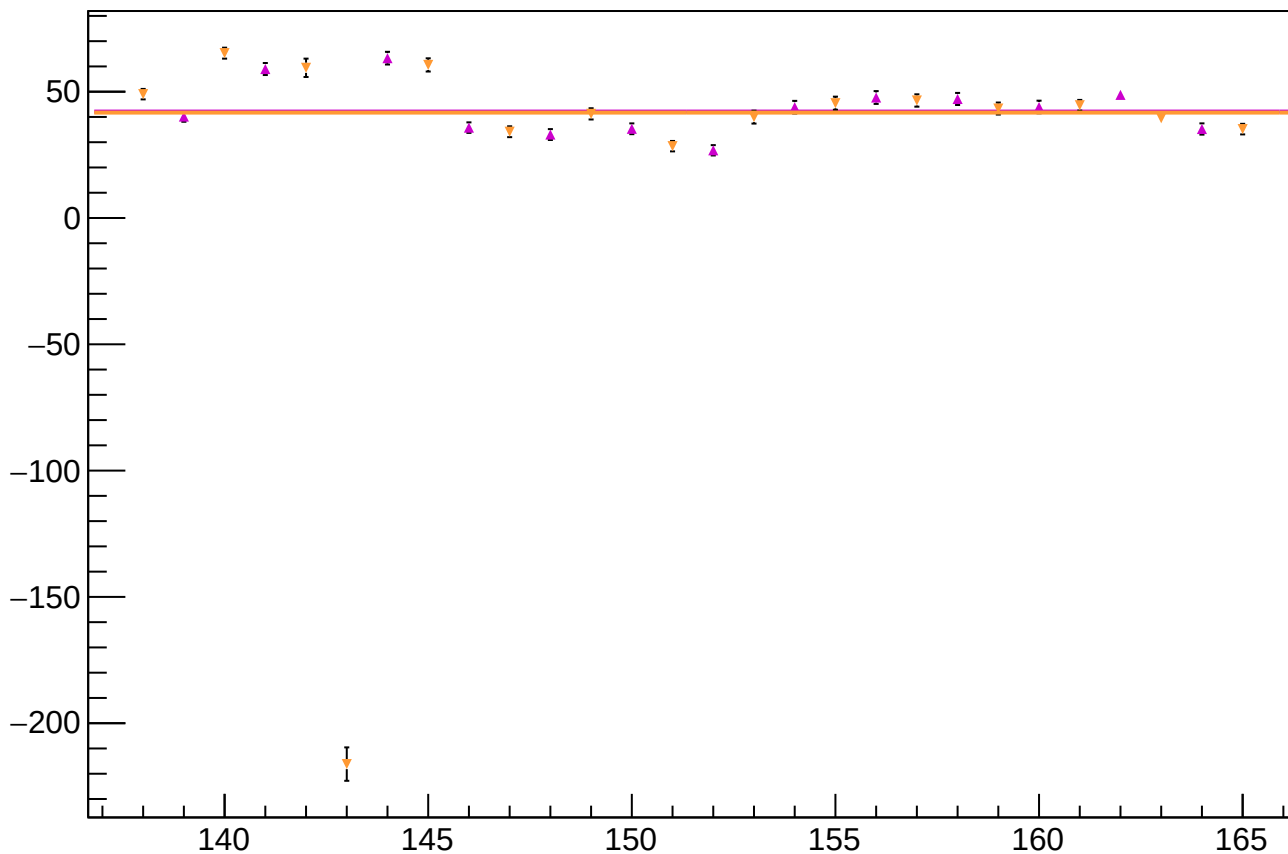
Right: -230.345 ± 0.102 $\chi^2/\text{NDF}: 245990.9/35$

In: -266.424 ± 0.089 $\chi^2/\text{NDF}: 249009.2/29$

Out: -255.628 ± 0.084 $\chi^2/\text{NDF}: 347013.8/33$

All: -260.708 ± 0.061 $\chi^2/\text{NDF}: 603823.1/63$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 41.731+/-0.610 χ^2/NDF :1800.6/14

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

Left In: 42.126+/-0.620 χ^2/NDF :246.9/12

Left: 41.925+/-0.435 χ^2/NDF : 2047.7/27

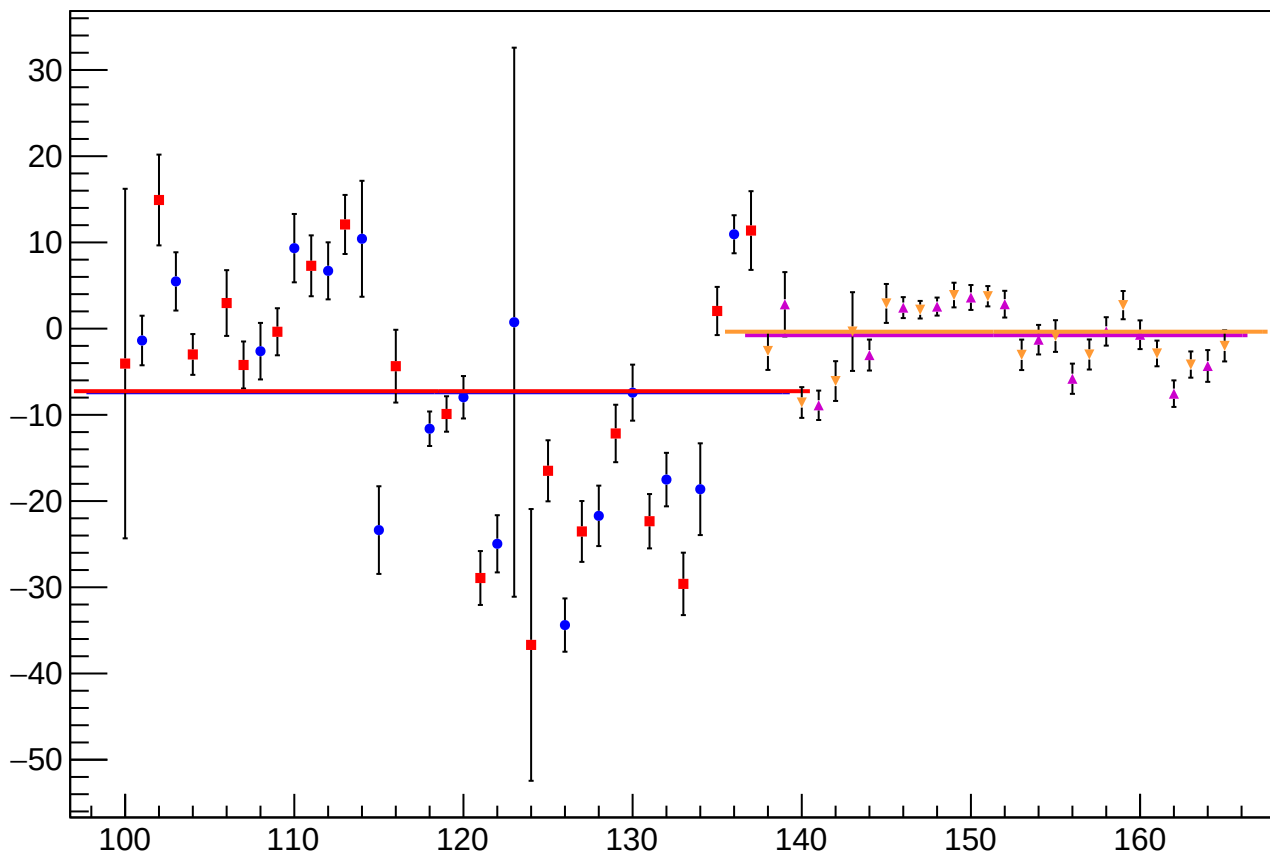
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 42.126+/-0.620 χ^2/NDF :246.9/12

Out: 41.731+/-0.610 χ^2/NDF :1800.6/14

All: 41.925+/-0.435 χ^2/NDF : 2047.7/27

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.381 ± 0.779 χ^2/NDF : 283.6/16

Left Out: -0.355 ± 0.421 χ^2/NDF : 76.0/14

Right Out: -7.256 ± 0.762 χ^2/NDF : 257.3/18

Left In: -0.763 ± 0.433 χ^2/NDF : 88.5/12

Left: -0.553 ± 0.302 χ^2/NDF : 165.0/27

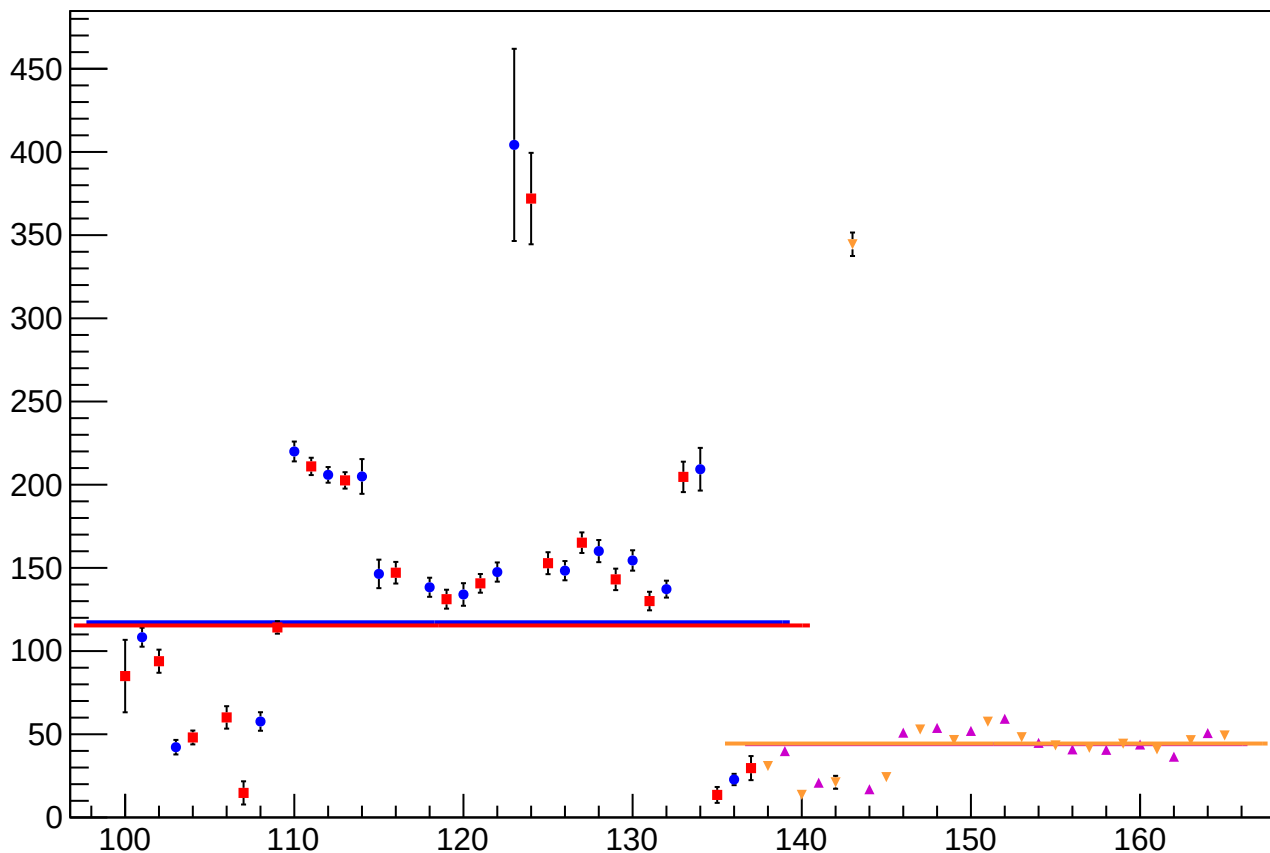
Right: -7.317 ± 0.545 χ^2/NDF : 540.9/35

In: -2.329 ± 0.379 χ^2/NDF : 427.2/29

Out: -1.971 ± 0.369 χ^2/NDF : 396.1/33

All: -2.145 ± 0.264 χ^2/NDF : 823.8/63

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.302 $\pm$ 1.409 χ^2 /NDF: 2161.3/16

Left Out: 44.426 $\pm$ 0.594 χ^2 /NDF:2189.7/14

Right Out: 115.405 $\pm$ 1.361 χ^2 /NDF: 2150.5/18

Left In: 44.045 $\pm$ 0.601 χ^2 /NDF:331.2/12

Left: 44.238 $\pm$ 0.422 χ^2 /NDF: 2521.1/27

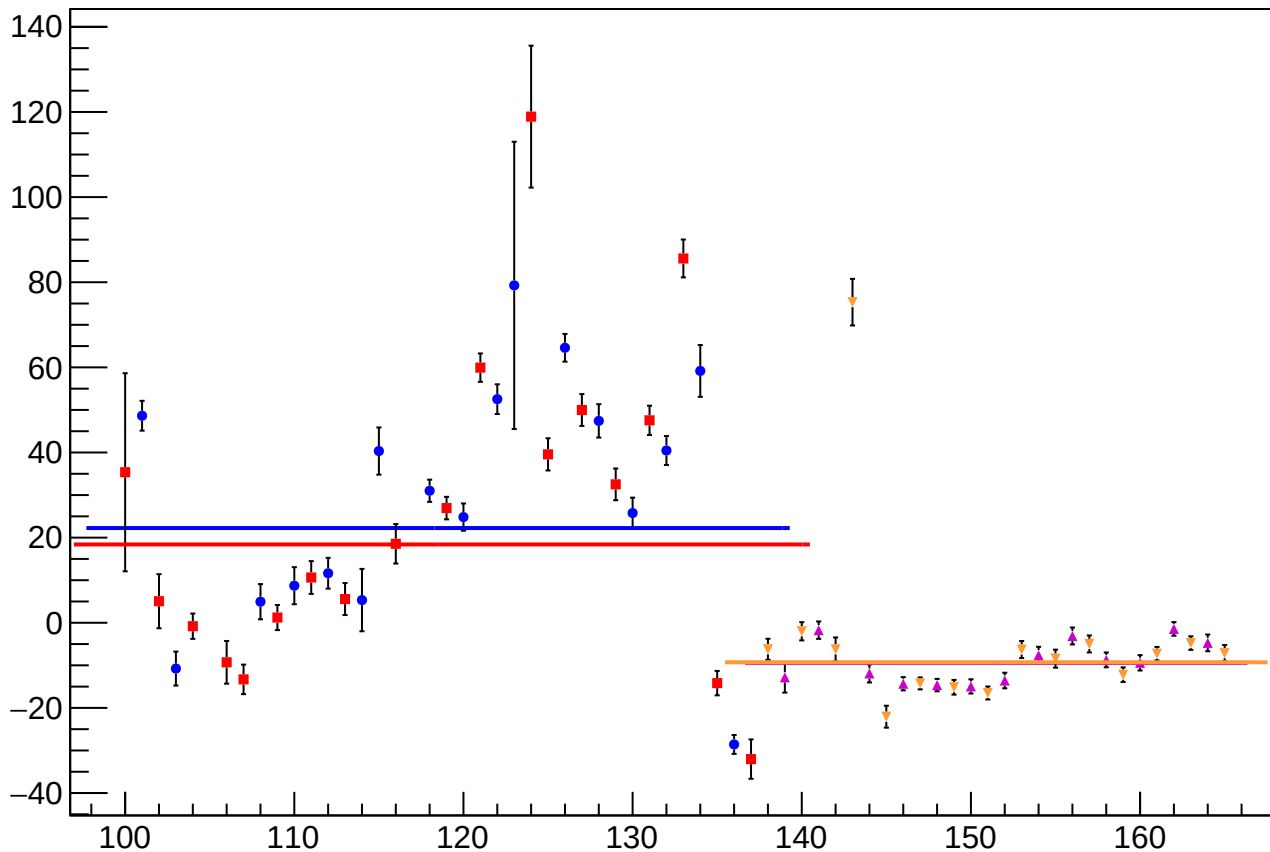
Right: 116.321 $\pm$ 0.979 χ^2 /NDF: 4312.7/35

In: 55.340 $\pm$ 0.553 χ^2 /NDF:4780.3/29

Out: 55.777 $\pm$ 0.544 χ^2 /NDF:6626.4/33

All: 55.562 $\pm$ 0.388 χ^2 /NDF: 11407.0/63

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: -9.284 $\pm$ 0.495 χ^2 /NDF:344.6/14

Right Out: 18.395 $\pm$ 0.872 χ^2 /NDF: 1077.1/18

Left In: -9.429 $\pm$ 0.509 χ^2 /NDF:96.7/12

Left: -9.354 $\pm$ 0.355 χ^2 /NDF: 441.3/27

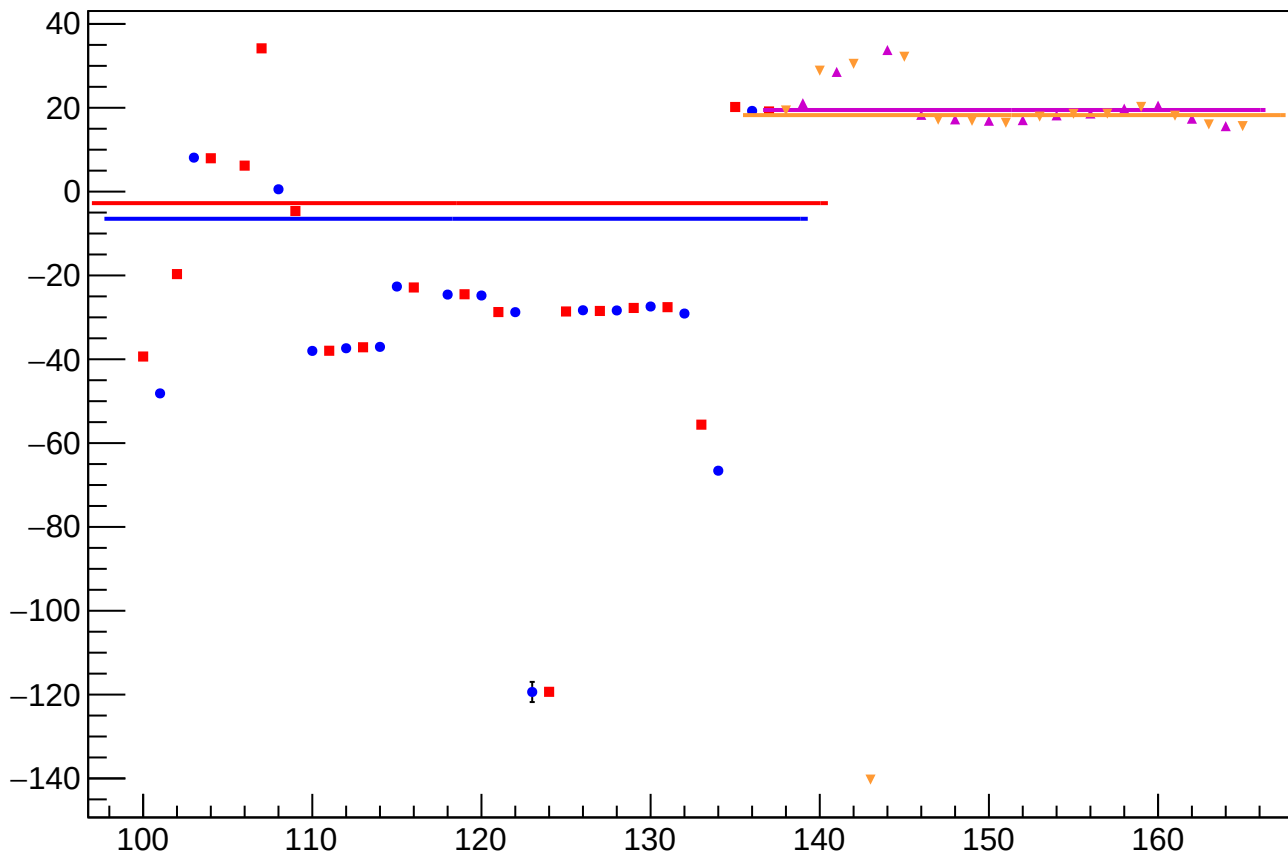
Right: 20.284 $\pm$ 0.622 χ^2 /NDF: 2158.2/35

In: -1.620 $\pm$ 0.441 χ^2 /NDF:2124.6/29

Out: -2.544 $\pm$ 0.430 χ^2 /NDF:2184.3/33

All: -2.094 $\pm$ 0.308 χ^2 /NDF: 4311.1/63

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: 18.250 ± 0.023 χ^2/NDF : 351098.7/14

Right Out: -2.751 ± 0.046 χ^2/NDF : 266291.4/18

Left In: 19.473 ± 0.024 χ^2/NDF : 28989.2/12

Left: 18.856 ± 0.017 χ^2/NDF : 381451.0/27

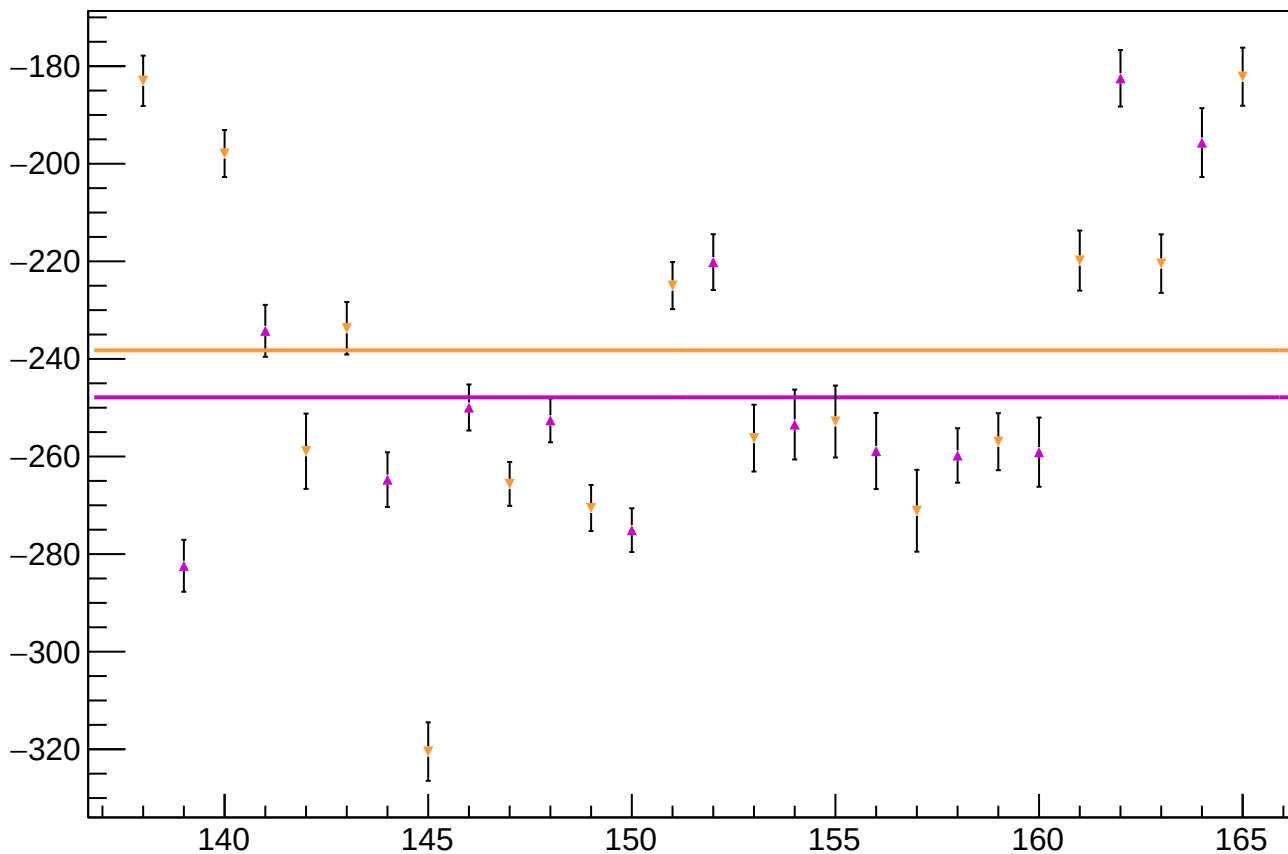
Right: -4.597 ± 0.032 χ^2/NDF : 535394.7/35

In: 14.117 ± 0.021 χ^2/NDF : 545686.8/29

Out: 13.909 ± 0.021 χ^2/NDF : 785074.3/33

All: 14.012 ± 0.015 χ^2/NDF : 1330810.6/63

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: -238.242+/-1.470 χ^2/NDF : 615.8/14

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

Left In: -247.873+/-1.553 χ^2/NDF : 311.4/12

Left: -242.792+/-1.068 χ^2/NDF : 947.4/27

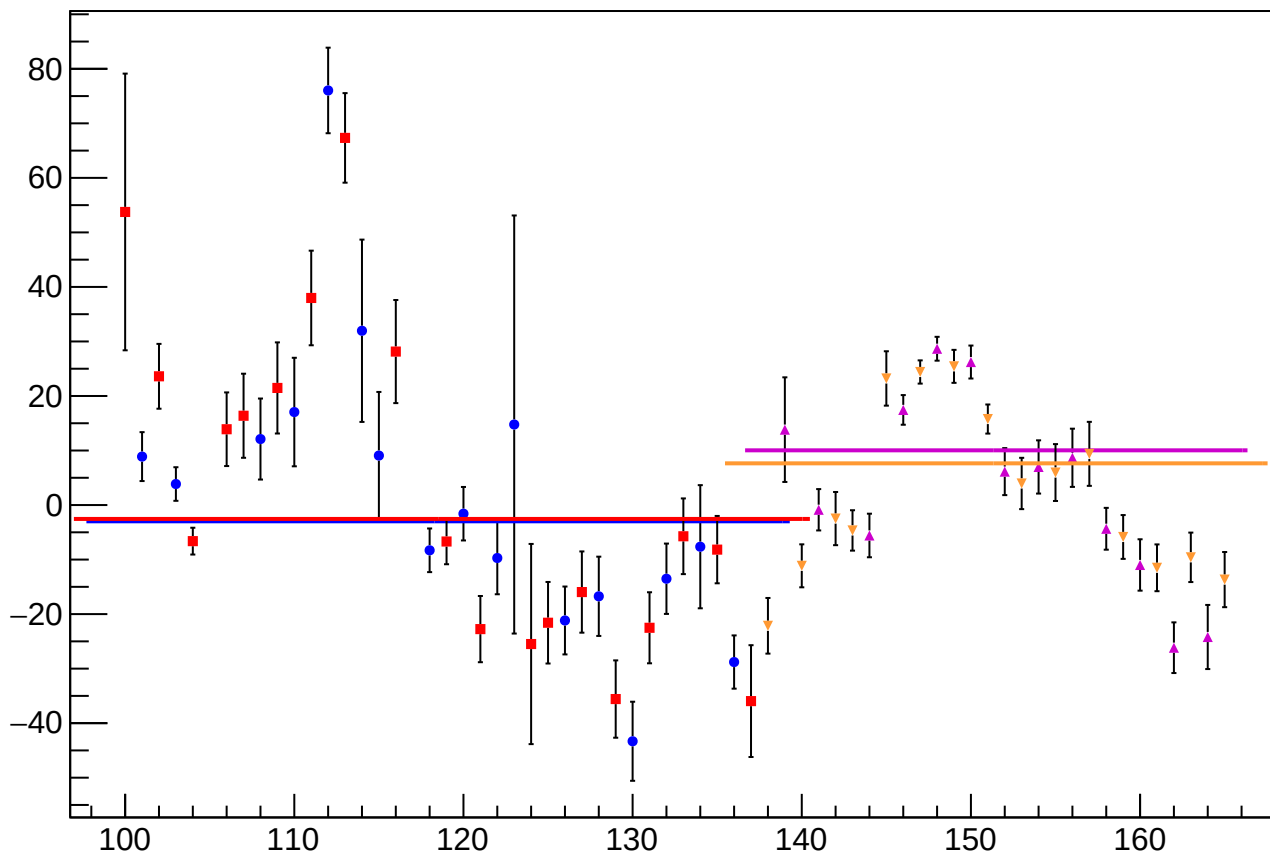
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -247.873+/-1.553 χ^2/NDF : 311.4/12

Out: -238.242+/-1.470 χ^2/NDF : 615.8/14

All: -242.792+/-1.068 χ^2/NDF : 947.4/27

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.981 ± 1.450 χ^2/NDF : 203.9/16

Left Out: 7.648 ± 0.979 χ^2/NDF : 251.9/14

Right Out: -2.548 ± 1.399 χ^2/NDF : 218.1/18

Left In: 10.034 ± 1.045 χ^2/NDF : 262.3/12

Left: 8.764 ± 0.714 χ^2/NDF : 516.9/27

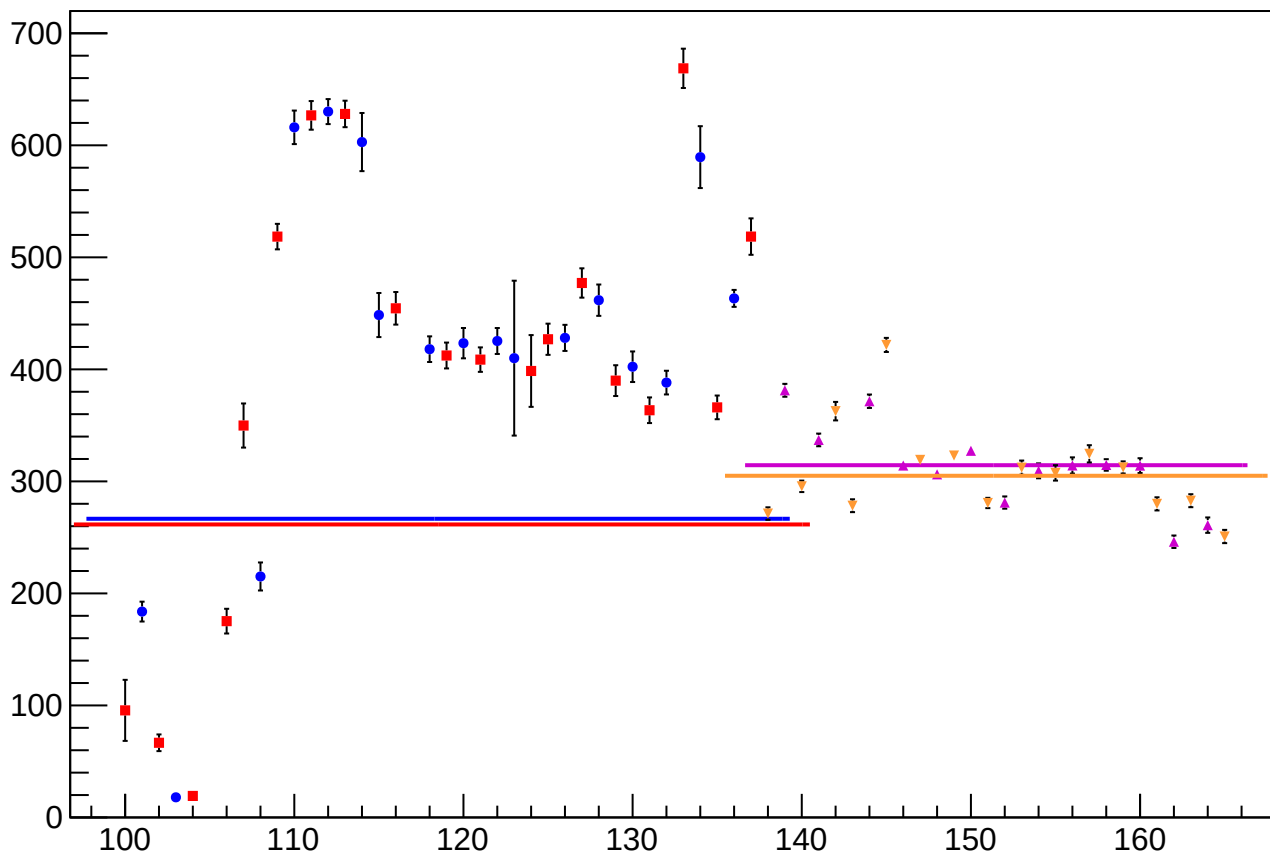
Right: -2.757 ± 1.007 χ^2/NDF : 422.1/35

In: 5.588 ± 0.848 χ^2/NDF : 519.2/29

Out: 4.295 ± 0.802 χ^2/NDF : 505.7/33

All: 4.906 ± 0.583 χ^2/NDF : 1026.1/63

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: 305.017 $\pm$ 1.444 χ^2 /NDF:637.6/14

Right Out: 261.551 $\pm$ 2.458 χ^2 /NDF: 8208.2/18

Left In: 314.446 $\pm$ 1.507 χ^2 /NDF:502.9/12

Left: 309.528 $\pm$ 1.043 χ^2 /NDF: 1160.9/27

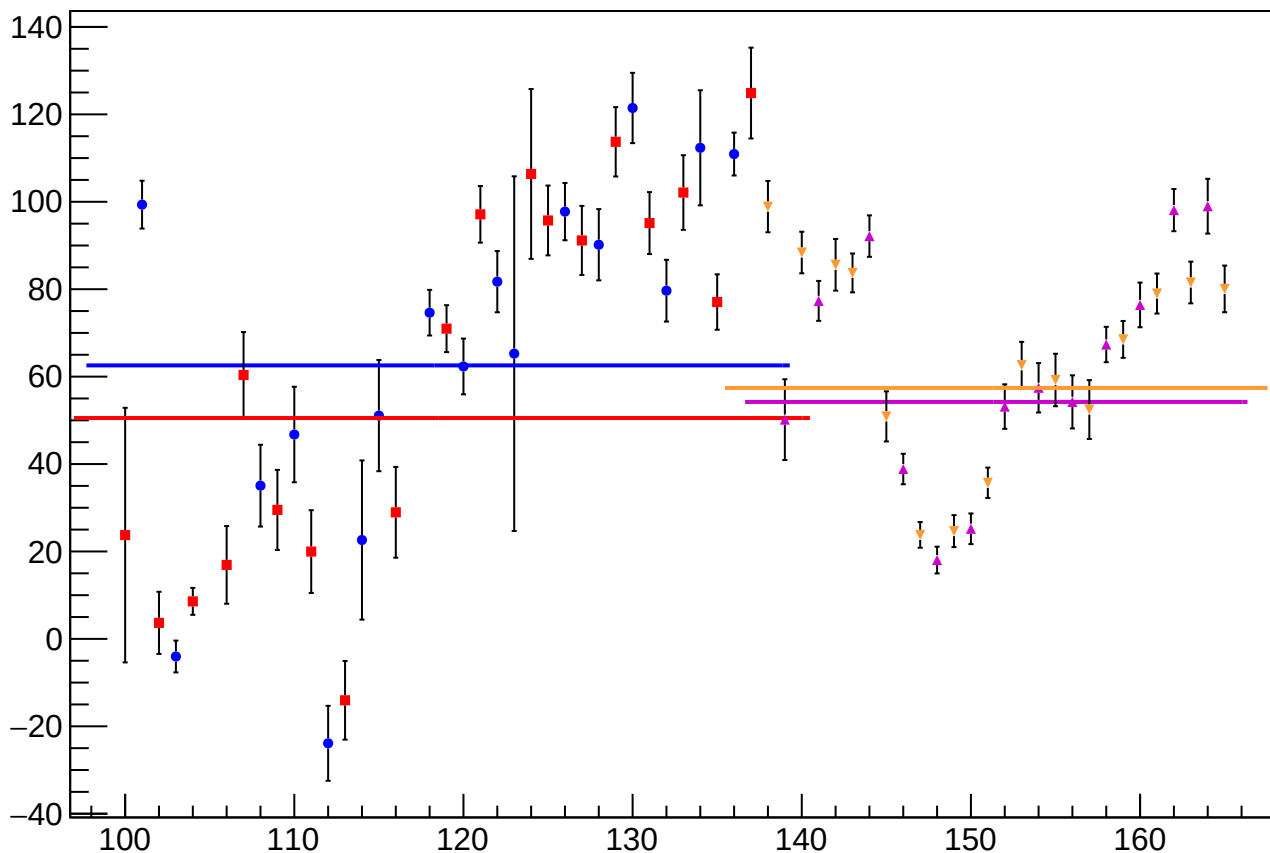
Right: 264.068 $\pm$ 1.745 χ^2 /NDF: 15873.0/35

In: 301.525 $\pm$ 1.288 χ^2 /NDF:8437.6/29

Out: 293.867 $\pm$ 1.245 χ^2 /NDF:9078.3/33

All: 297.567 $\pm$ 0.895 χ^2 /NDF: 17534.2/63

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.566 ± 1.678 $\chi^2/\text{NDF}: 722.4/16$

Left Out: 57.415 ± 1.175 $\chi^2/\text{NDF}: 476.1/14$

Right Out: 50.526 ± 1.643 $\chi^2/\text{NDF}: 657.0/18$

Left In: 54.207 ± 1.251 $\chi^2/\text{NDF}: 481.0/12$

Left: 55.911 ± 0.856 $\chi^2/\text{NDF}: 960.5/27$

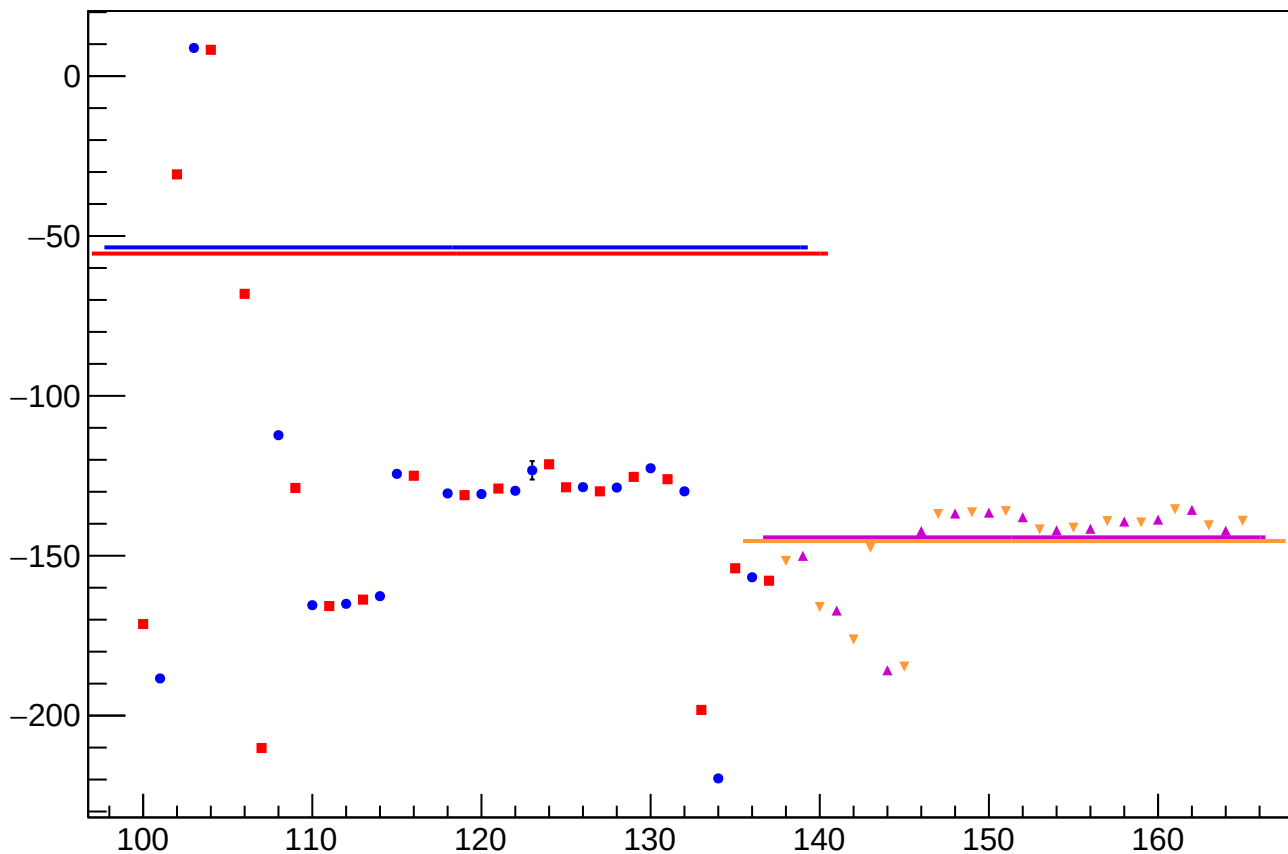
Right: 56.420 ± 1.174 $\chi^2/\text{NDF}: 1405.7/35$

In: 57.193 ± 1.003 $\chi^2/\text{NDF}: 1219.3/29$

Out: 55.085 ± 0.956 $\chi^2/\text{NDF}: 1144.7/33$

All: 56.088 ± 0.692 $\chi^2/\text{NDF}: 2366.3/63$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.567 $\pm$ 0.070 χ^2 /NDF: 1230233.3/16

Left Out: -145.406 $\pm$ 0.058 χ^2 /NDF: 54345.6/14

Right Out: -55.502 $\pm$ 0.072 χ^2 /NDF: 969632.0/18

Left In: -144.253 $\pm$ 0.060 χ^2 /NDF: 43348.3/12

Left: -144.849 $\pm$ 0.042 χ^2 /NDF: 97884.7/27

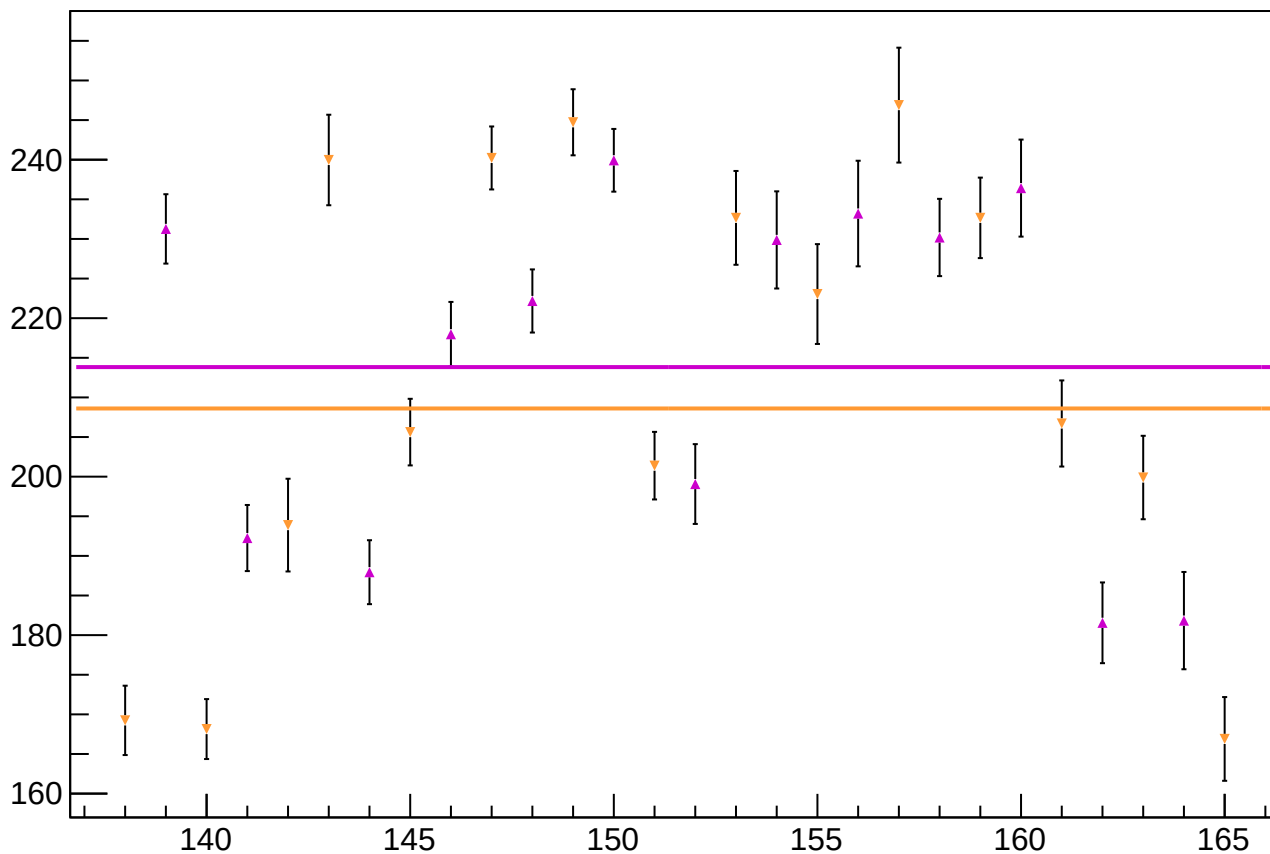
Right: -54.512 $\pm$ 0.050 χ^2 /NDF: 2200235.7/35

In: -106.042 $\pm$ 0.046 χ^2 /NDF: 2237204.4/29

Out: -109.964 $\pm$ 0.045 χ^2 /NDF: 1970948.0/33

All: -108.023 $\pm$ 0.032 χ^2 /NDF: 4211888.0/63

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 208.604+/-1.258 χ^2/NDF :510.7/14

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

Left In: 213.828+/-1.313 χ^2/NDF :248.7/12

Left: 211.106+/-0.908 χ^2/NDF : 767.7/27

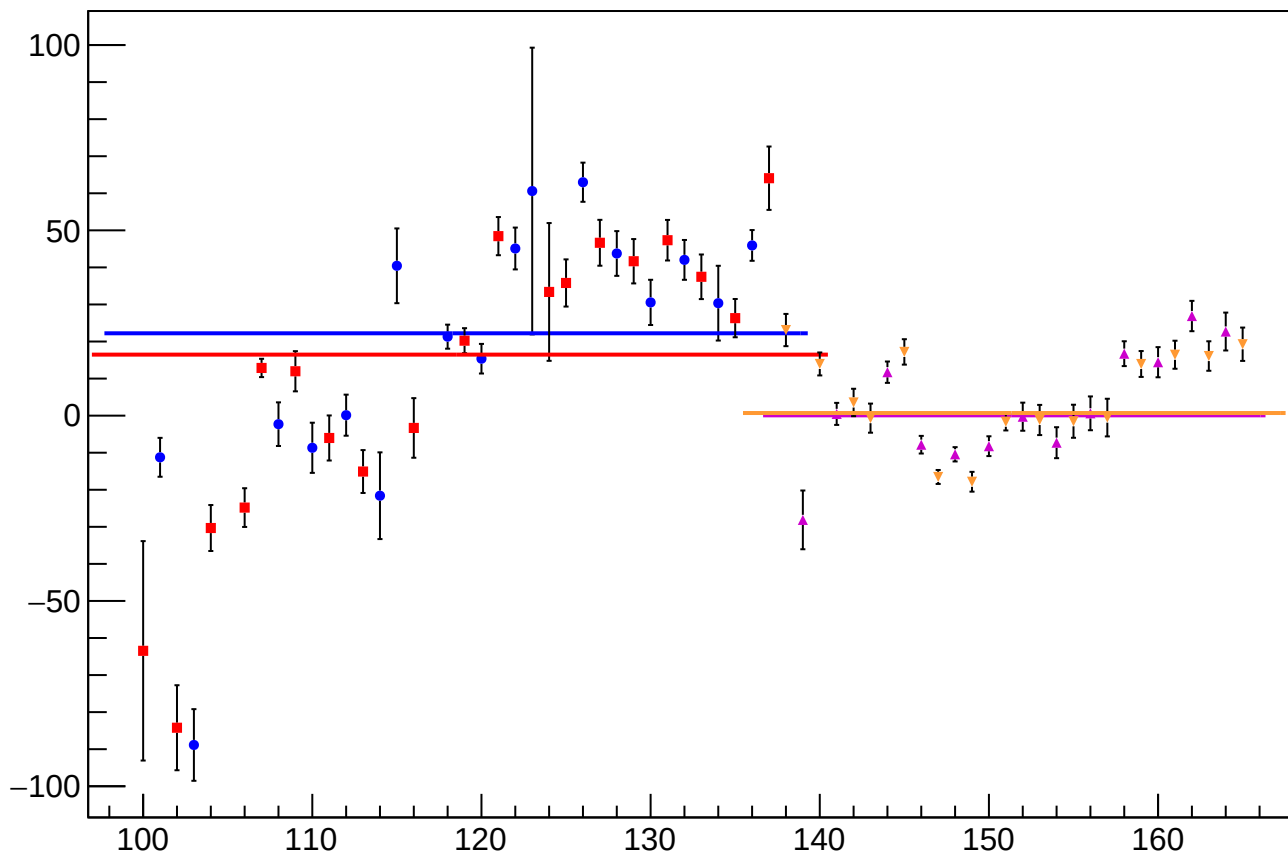
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 213.828+/-1.313 χ^2/NDF :248.7/12

Out: 208.604+/-1.258 χ^2/NDF :510.7/14

All: 211.106+/-0.908 χ^2/NDF : 767.7/27

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.221 $\pm$ 1.374 χ^2 /NDF: 385.6/16

Left Out: 0.708 $\pm$ 0.846 χ^2 /NDF:265.8/14

Right Out: 16.466 $\pm$ 1.230 χ^2 /NDF: 425.9/18

Left In: 0.083 $\pm$ 0.892 χ^2 /NDF:182.1/12

Left: 0.412 $\pm$ 0.614 χ^2 /NDF: 448.2/27

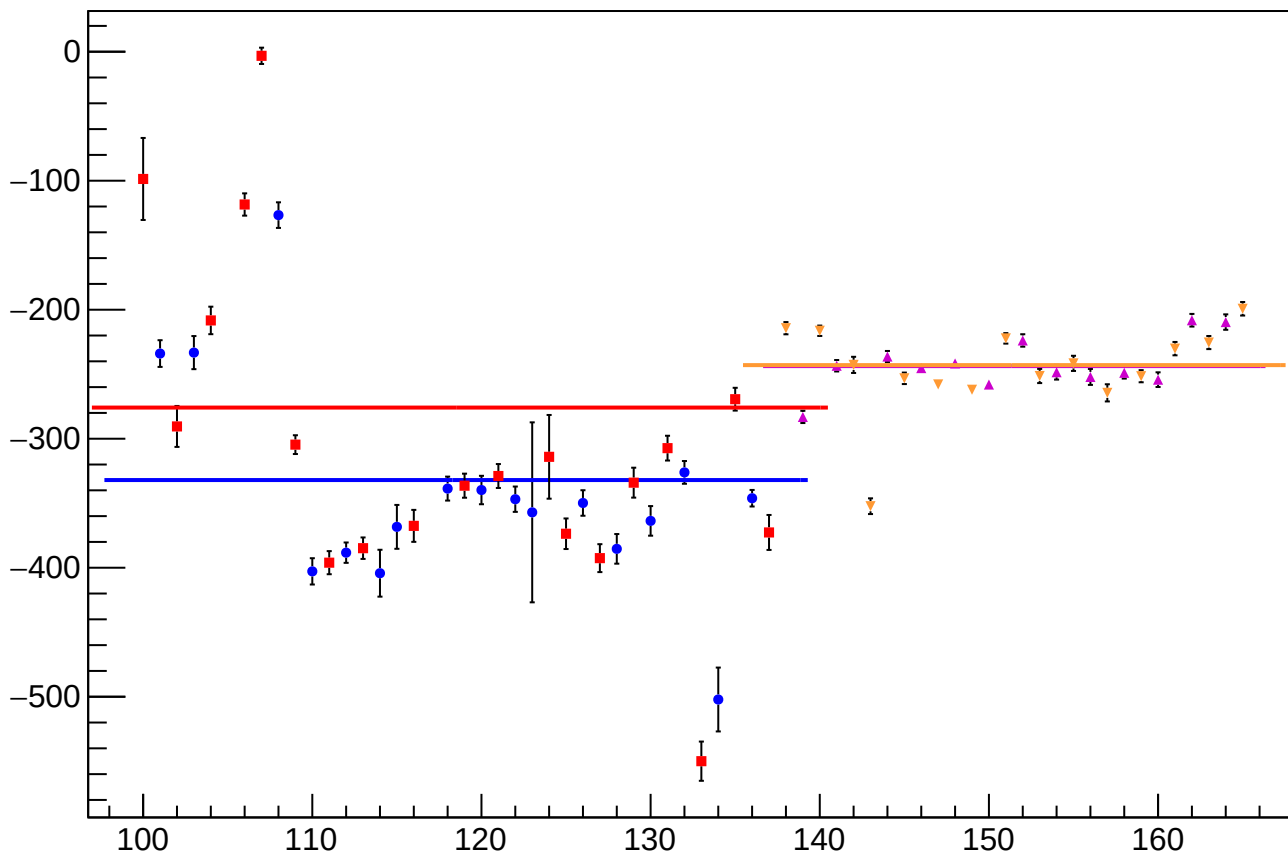
Right: 19.025 $\pm$ 0.916 χ^2 /NDF: 821.2/35

In: 6.648 $\pm$ 0.748 χ^2 /NDF:750.4/29

Out: 5.775 $\pm$ 0.697 χ^2 /NDF:803.1/33

All: 6.181 $\pm$ 0.510 χ^2 /NDF: 1554.2/63

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: -242.946 $\pm$ 1.241 χ^2 /NDF:576.8/14

Right Out: -275.853 $\pm$ 2.324 χ^2 /NDF: 3362.8/18

Left In: -243.709 $\pm$ 1.281 χ^2 /NDF:196.9/12

Left: -243.315 $\pm$ 0.891 χ^2 /NDF: 773.9/27

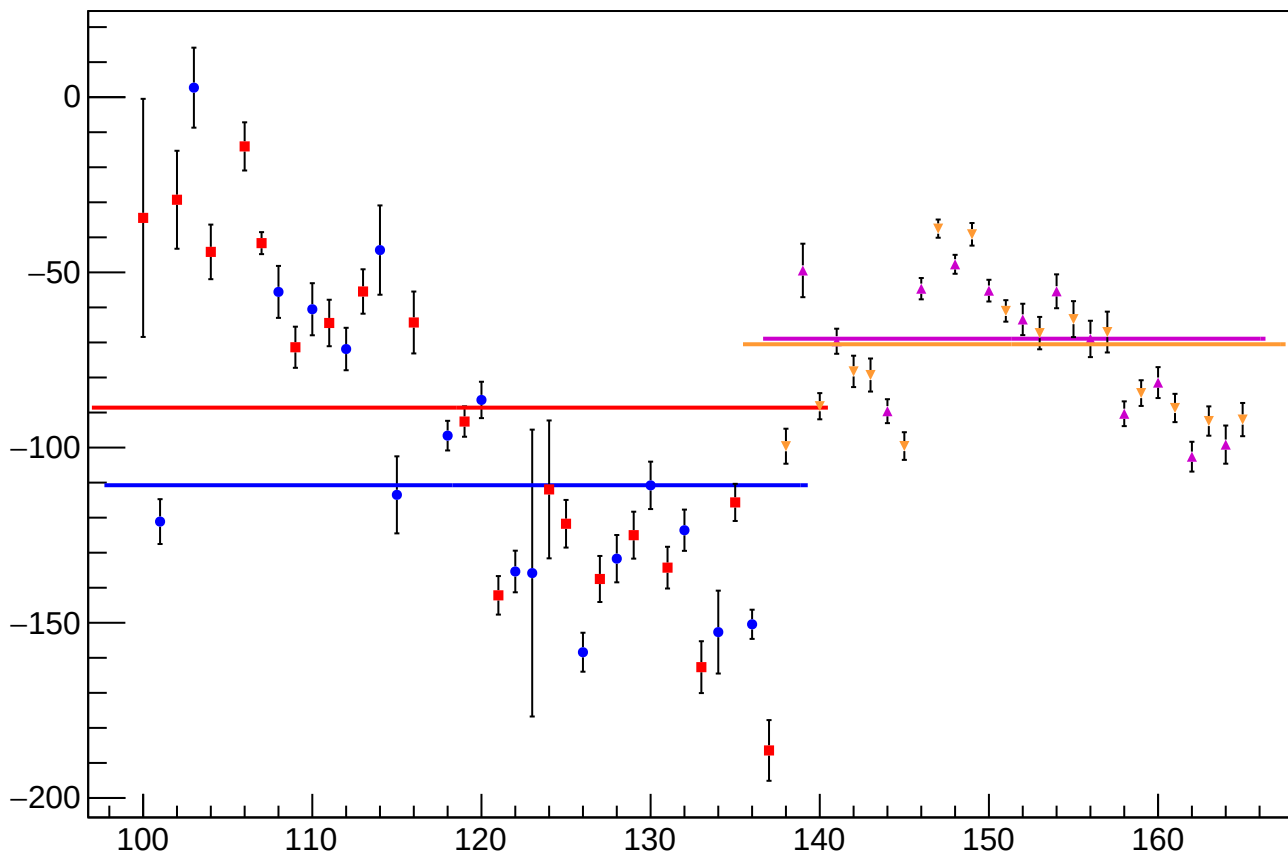
Right: -301.220 $\pm$ 1.721 χ^2 /NDF: 4411.6/35

In: -261.378 $\pm$ 1.146 χ^2 /NDF:1932.7/29

Out: -250.241 $\pm$ 1.094 χ^2 /NDF:4095.6/33

All: -255.554 $\pm$ 0.791 χ^2 /NDF: 6077.7/63

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -110.745 ± 1.578 χ^2/NDF : 513.4/16

Left Out: -70.513 ± 1.014 χ^2/NDF : 467.9/14

Right Out: -88.600 ± 1.435 χ^2/NDF : 969.7/18

Left In: -68.931 ± 1.066 χ^2/NDF : 294.2/12

Left: -69.762 ± 0.735 χ^2/NDF : 763.3/27

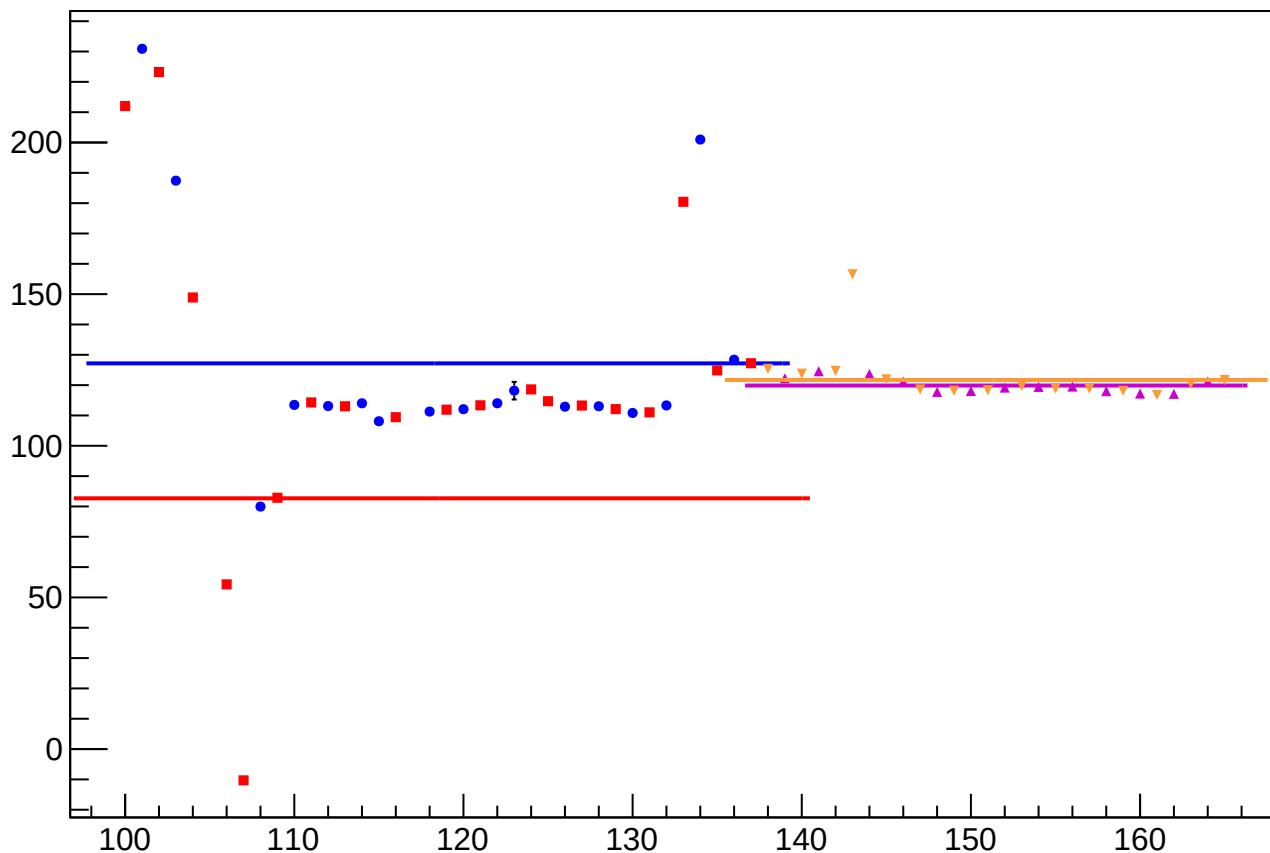
Right: -98.623 ± 1.061 χ^2/NDF : 1591.0/35

In: -82.035 ± 0.883 χ^2/NDF : 1290.0/29

Out: -76.539 ± 0.828 χ^2/NDF : 1543.6/33

All: -79.110 ± 0.604 χ^2/NDF : 2854.2/63

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: 121.713 $\pm$ 0.050 χ^2 /NDF: 23673.1/14

Right Out: 82.684 $\pm$ 0.075 χ^2 /NDF: 765716.0/18

Left In: 119.874 $\pm$ 0.051 χ^2 /NDF: 2197.8/12

Left: 120.816 $\pm$ 0.036 χ^2 /NDF: 26536.4/27

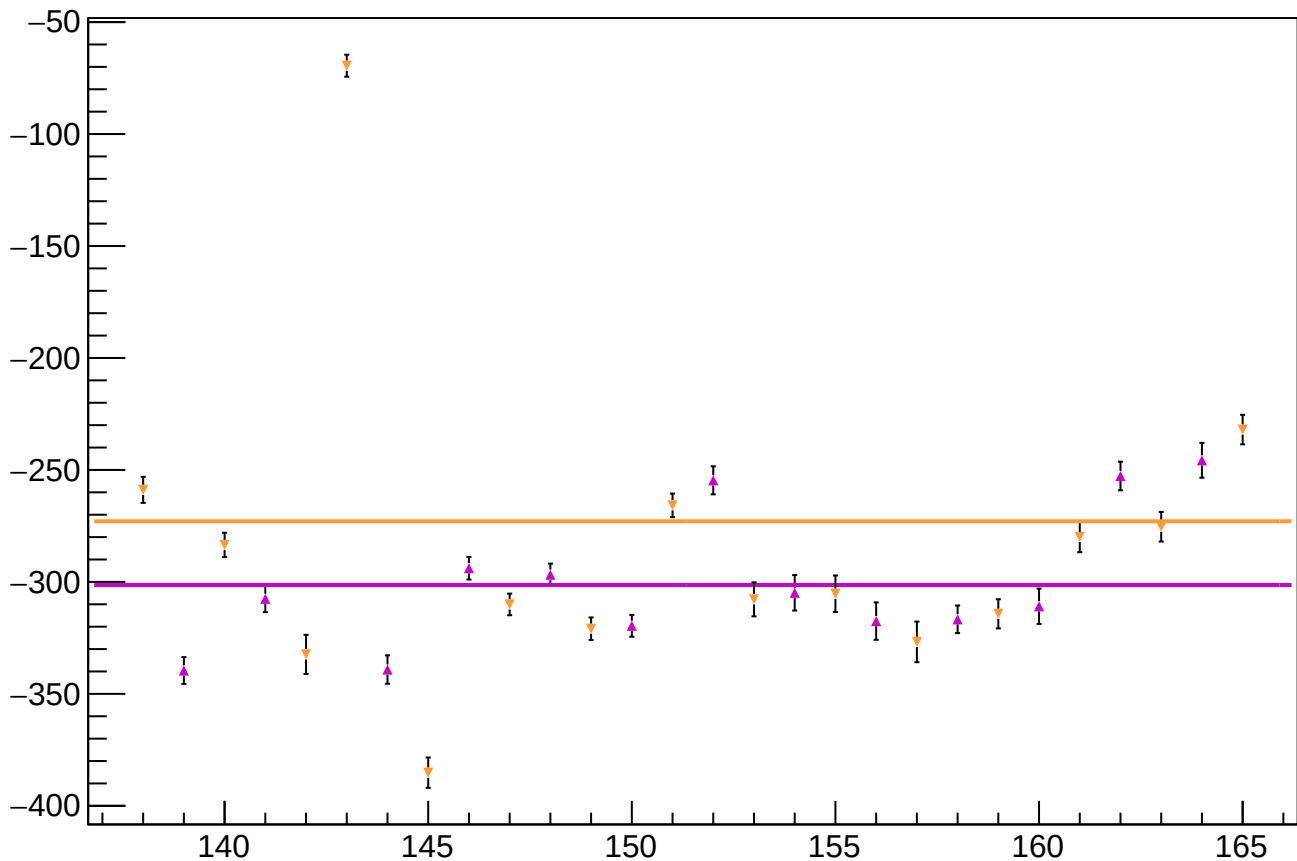
Right: 101.242 $\pm$ 0.057 χ^2 /NDF: 1099401.9/35

In: 121.680 $\pm$ 0.044 χ^2 /NDF: 195317.8/29

Out: 109.838 $\pm$ 0.042 χ^2 /NDF: 976299.5/33

All: 115.384 $\pm$ 0.030 χ^2 /NDF: 1209683.9/63

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -272.933 ± 1.594 $\chi^2/\text{NDF}: 2342.5/14$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -301.384 ± 1.710 $\chi^2/\text{NDF}: 270.7/12$

Left: -286.158 ± 1.166 $\chi^2/\text{NDF}: 2761.3/27$

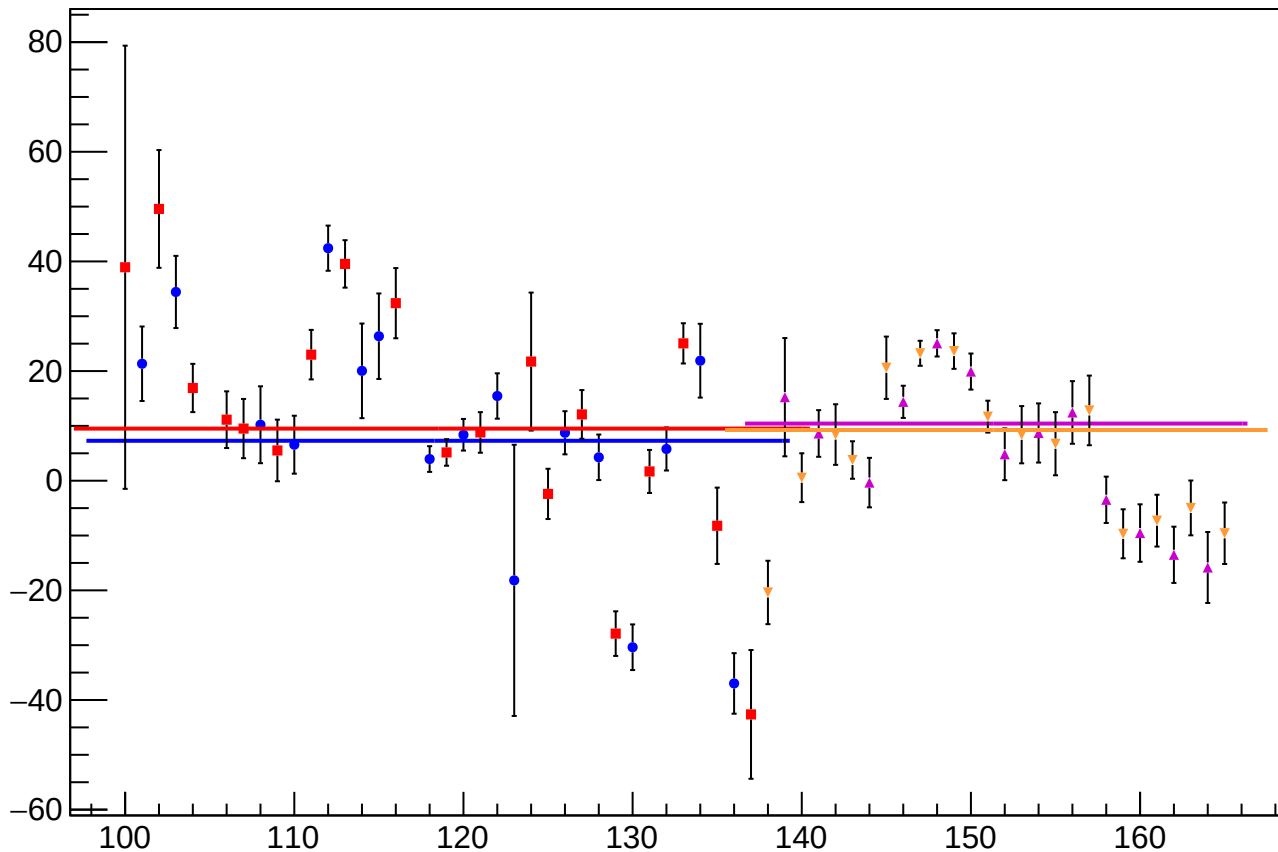
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -301.384 ± 1.710 $\chi^2/\text{NDF}: 270.7/12$

Out: -272.933 ± 1.594 $\chi^2/\text{NDF}: 2342.5/14$

All: -286.158 ± 1.166 $\chi^2/\text{NDF}: 2761.3/27$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.284 ± 1.084 χ^2/NDF : 261.0/16

Left Out: 9.252 ± 1.058 χ^2/NDF : 144.8/14

Right Out: 9.505 ± 1.074 χ^2/NDF : 231.5/18

Left In: 10.425 ± 1.148 χ^2/NDF : 118.6/12

Left: 9.791 ± 0.778 χ^2/NDF : 263.9/27

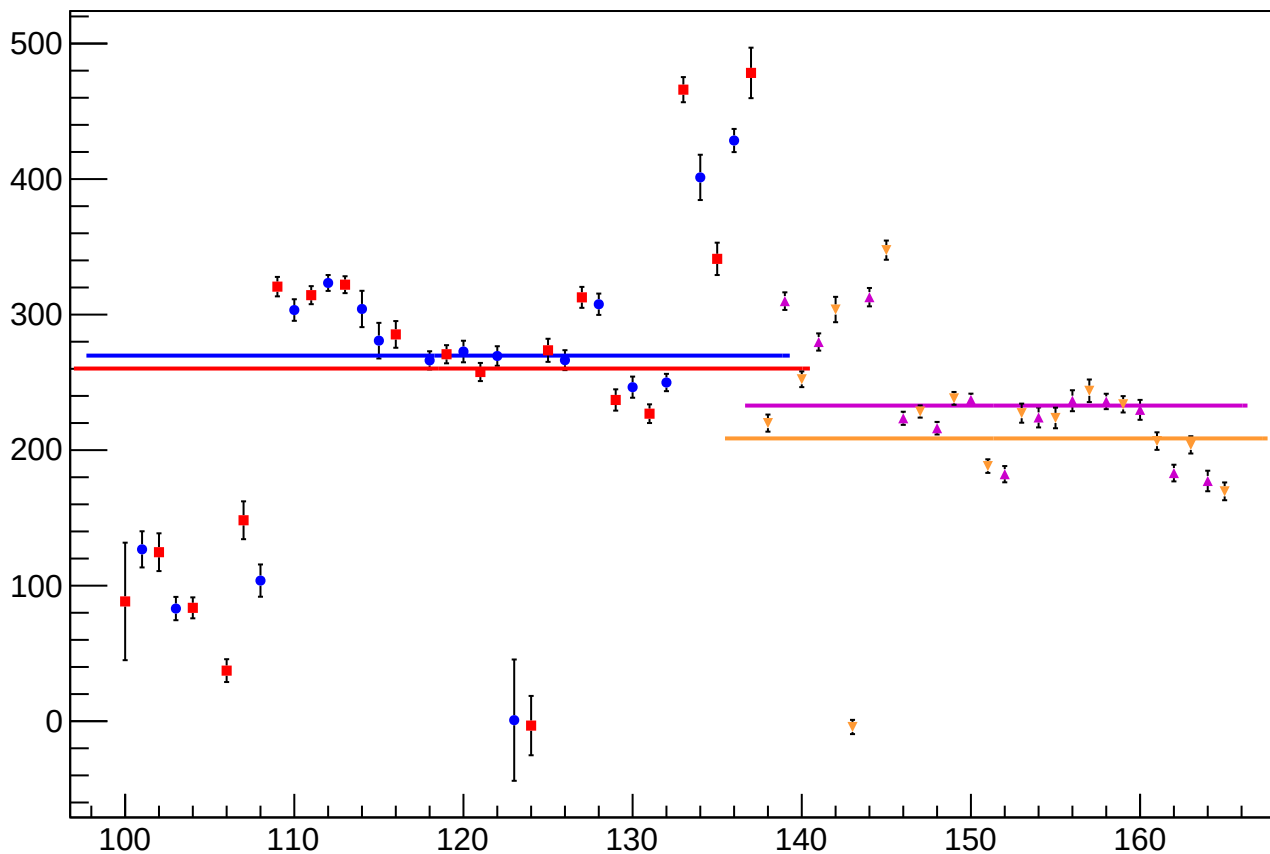
Right: 8.404 ± 0.763 χ^2/NDF : 494.7/35

In: 8.764 ± 0.788 χ^2/NDF : 383.5/29

Out: 9.377 ± 0.754 χ^2/NDF : 376.4/33

All: 9.084 ± 0.545 χ^2/NDF : 760.2/63

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.748 $\pm$ 2.071 χ^2 /NDF: 1374.1/16

Left Out: 208.635 $\pm$ 1.567 χ^2 /NDF:2346.5/14

Right Out: 260.206 $\pm$ 1.978 χ^2 /NDF: 2541.6/18

Left In: 232.876 $\pm$ 1.658 χ^2 /NDF:544.9/12

Left: 220.070 $\pm$ 1.139 χ^2 /NDF: 3004.4/27

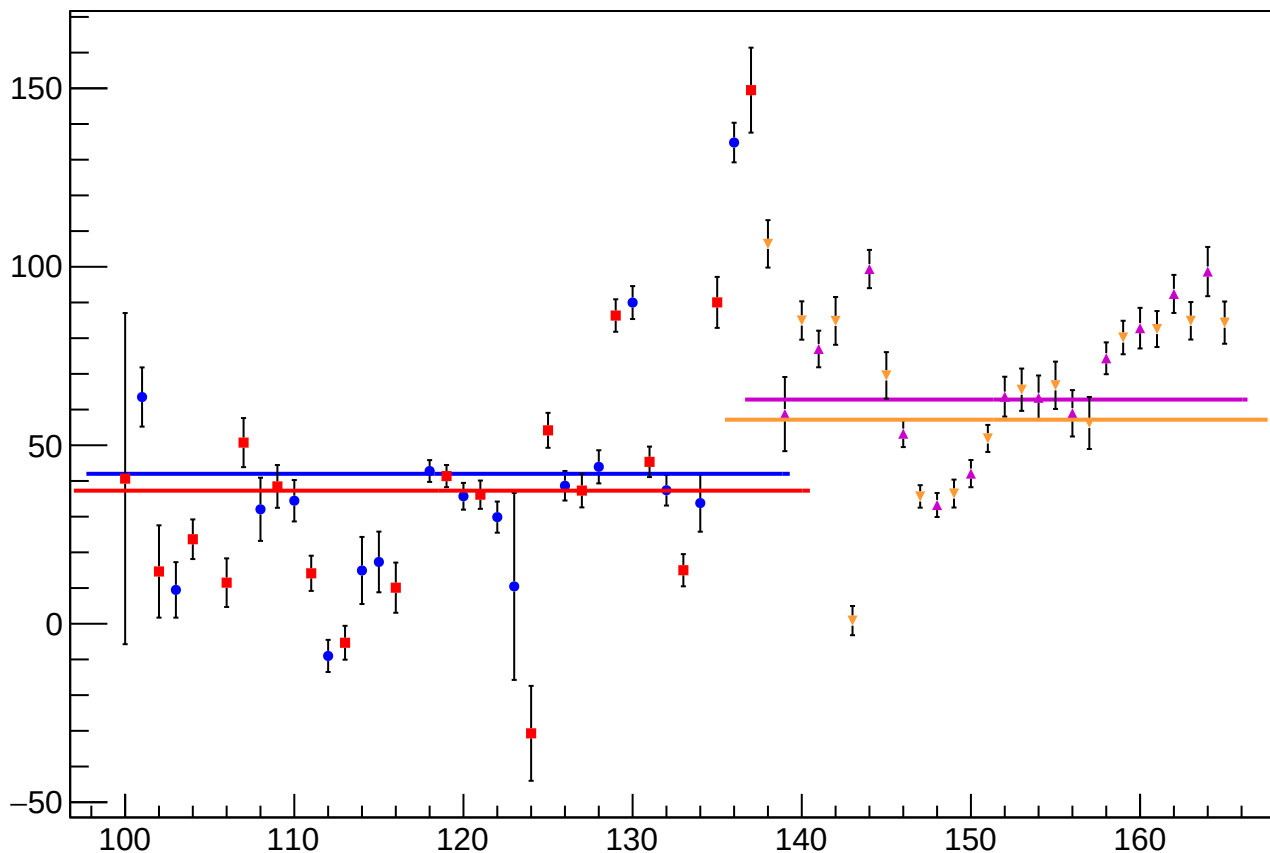
Right: 264.757 $\pm$ 1.430 χ^2 /NDF: 3926.7/35

In: 247.274 $\pm$ 1.294 χ^2 /NDF:2112.1/29

Out: 228.519 $\pm$ 1.228 χ^2 /NDF:5305.9/33

All: 237.404 $\pm$ 0.891 χ^2 /NDF: 7528.5/63

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: 57.164 ± 1.272 $\chi^2/\text{NDF}: 470.8/14$

Right Out: 37.284 ± 1.237 $\chi^2/\text{NDF}: 472.6/18$

Left In: 62.802 ± 1.375 $\chi^2/\text{NDF}: 245.1/12$

Left: 59.764 ± 0.934 $\chi^2/\text{NDF}: 725.0/27$

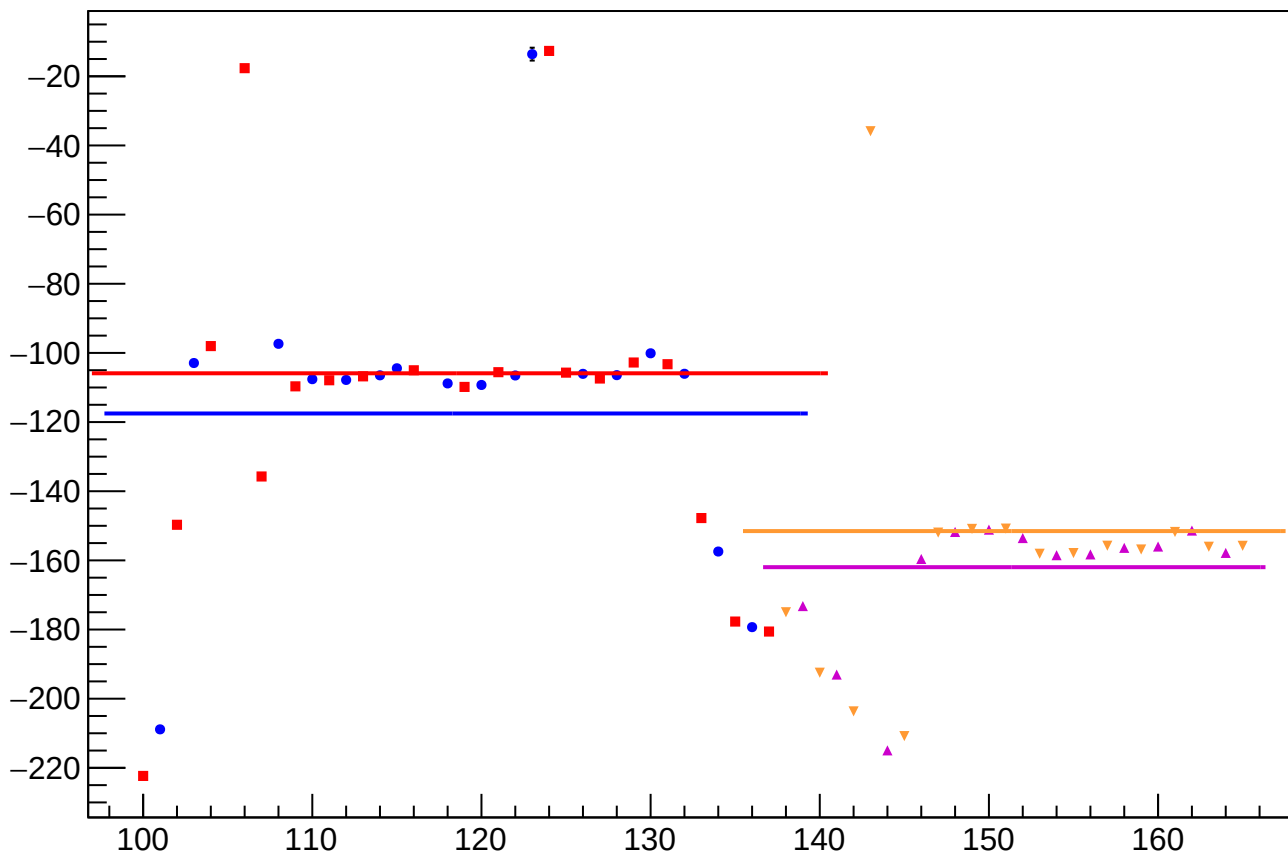
Right: 39.611 ± 0.881 $\chi^2/\text{NDF}: 1055.4/35$

In: 51.462 ± 0.927 $\chi^2/\text{NDF}: 945.5/29$

Out: 46.950 ± 0.887 $\chi^2/\text{NDF}: 1068.9/33$

All: 49.106 ± 0.641 $\chi^2/\text{NDF}: 2026.8/63$

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: -151.527+/-0.063 χ^2/NDF : 403881.6/14

Right Out: -105.892+/-0.073 χ^2/NDF : 324304.4/18

Left In: -161.963+/-0.066 χ^2/NDF : 59623.1/12

Left: -156.502+/-0.046 χ^2/NDF : 476587.3/27

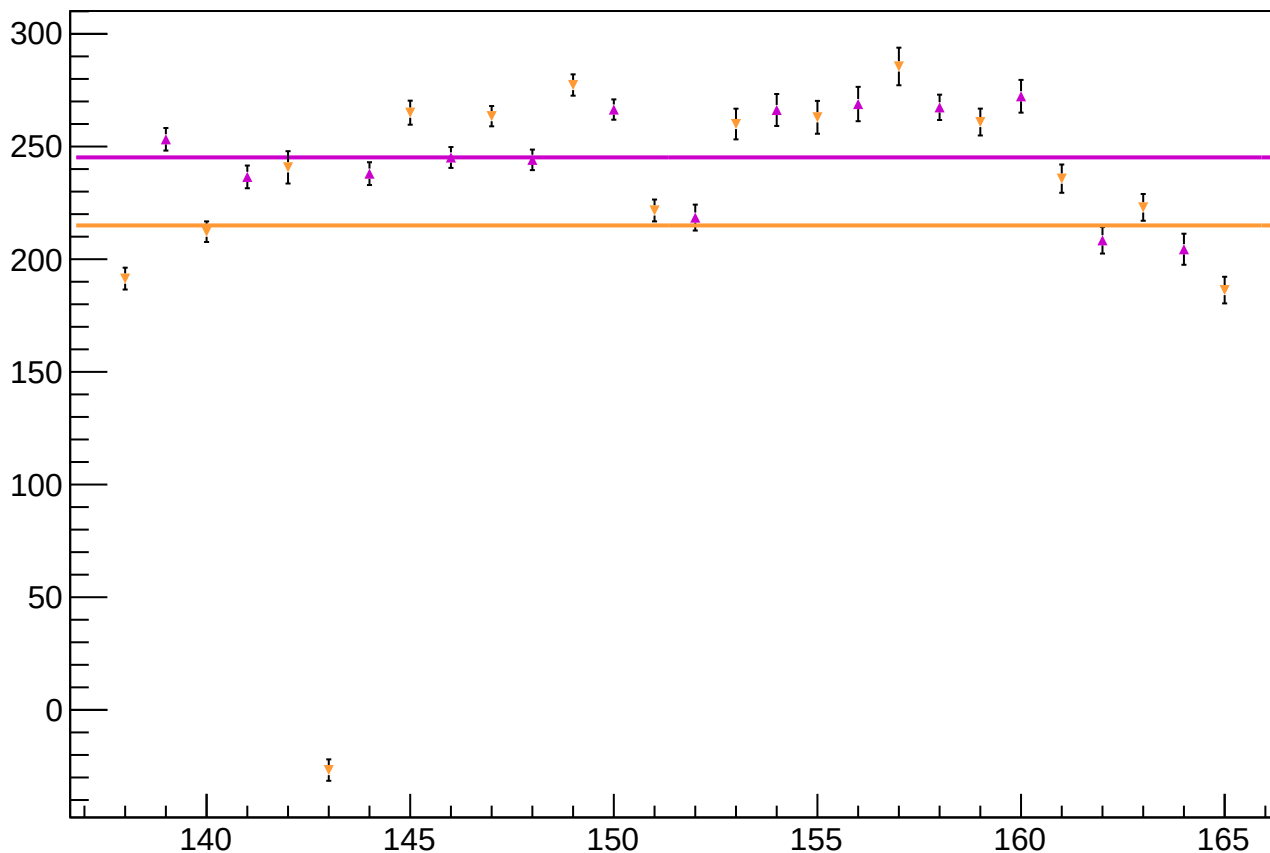
Right: -111.303+/-0.053 χ^2/NDF : 478188.8/35

In: -143.418+/-0.050 χ^2/NDF : 390860.9/29

Out: -131.984+/-0.048 χ^2/NDF : 952853.5/33

All: -137.381+/-0.035 χ^2/NDF : 1370904.9/63

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: 214.992+/-1.427 χ^2/NDF :3254.9/14

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

Left In: 245.180+/-1.524 χ^2/NDF :173.6/12

Left: 229.090+/-1.042 χ^2/NDF : 3637.5/27

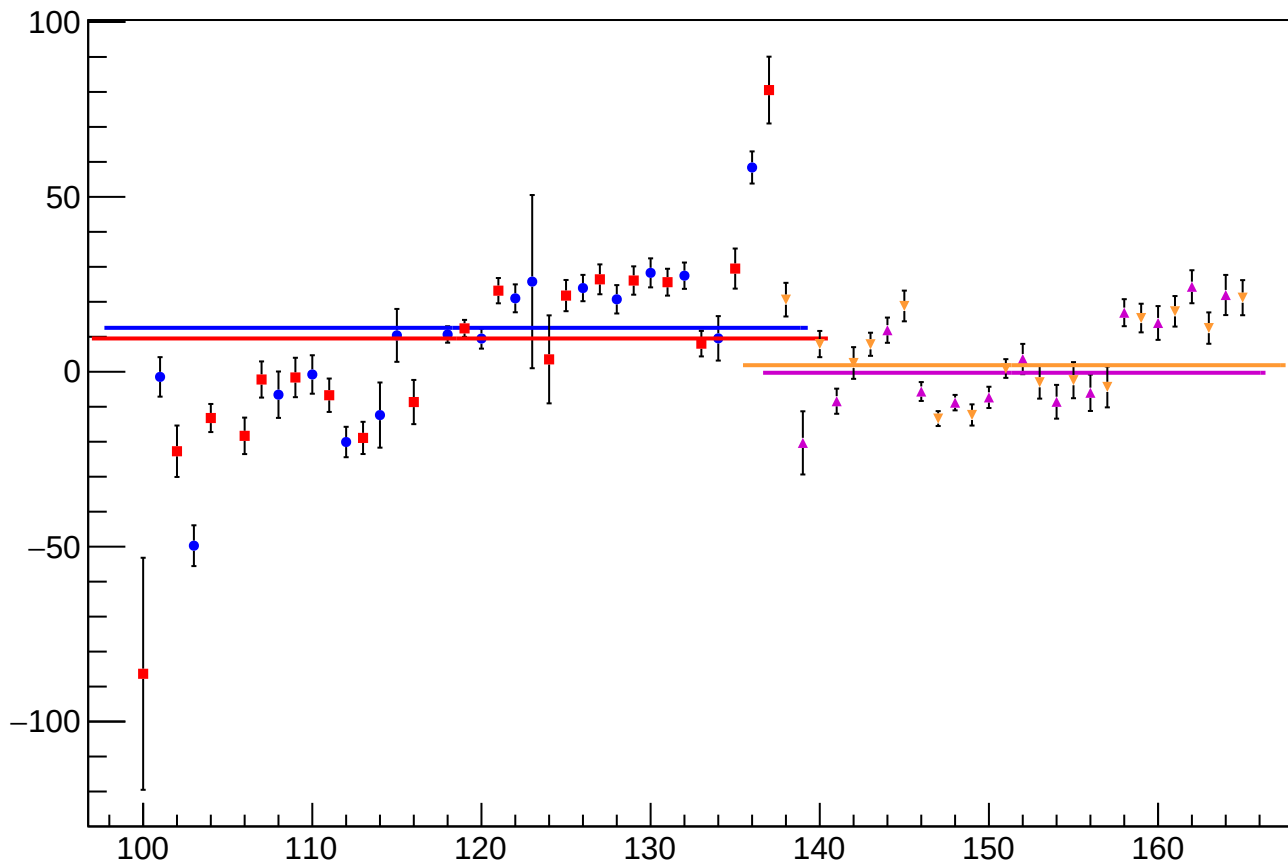
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 245.180+/-1.524 χ^2/NDF :173.6/12

Out: 214.992+/-1.427 χ^2/NDF :3254.9/14

All: 229.090+/-1.042 χ^2/NDF : 3637.5/27

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: 1.880+/-0.958 χ^2/NDF :155.9/14

Right Out: 9.519+/-1.051 χ^2/NDF : 296.2/18

Left In: -0.288+/-1.034 χ^2/NDF :121.3/12

Left: 0.878+/-0.703 χ^2/NDF : 279.6/27

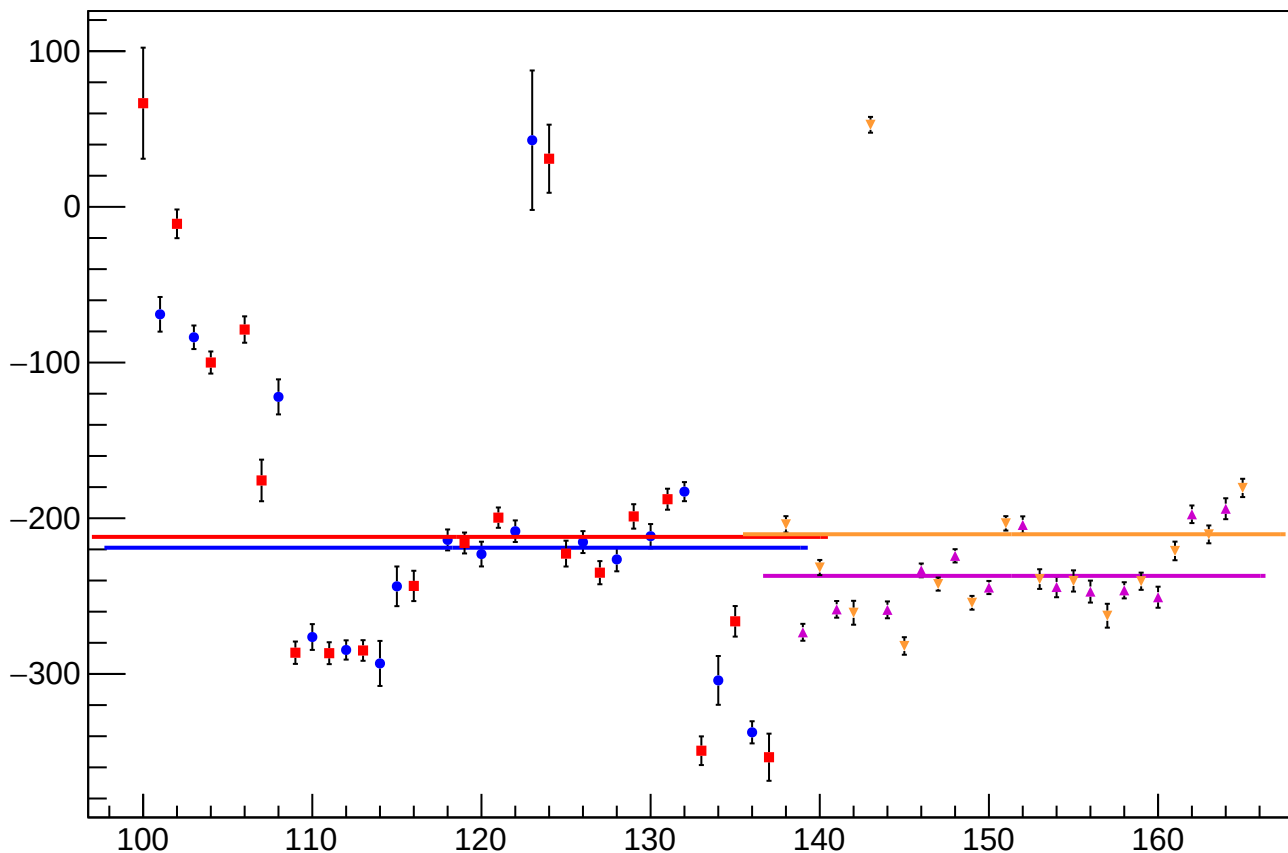
Right: 11.033+/-0.745 χ^2/NDF : 648.2/35

In: 6.005+/-0.739 χ^2/NDF :544.6/29

Out: 5.349+/-0.708 χ^2/NDF :481.0/33

All: 5.663+/-0.511 χ^2/NDF : 1026.1/63

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: -210.274 ± 1.408 χ^2/NDF : 3215.7/14

Right Out: -211.968 ± 1.924 χ^2/NDF : 1886.2/18

Left In: -237.004 ± 1.485 χ^2/NDF : 225.9/12

Left: -222.936 ± 1.022 χ^2/NDF : 3612.1/27

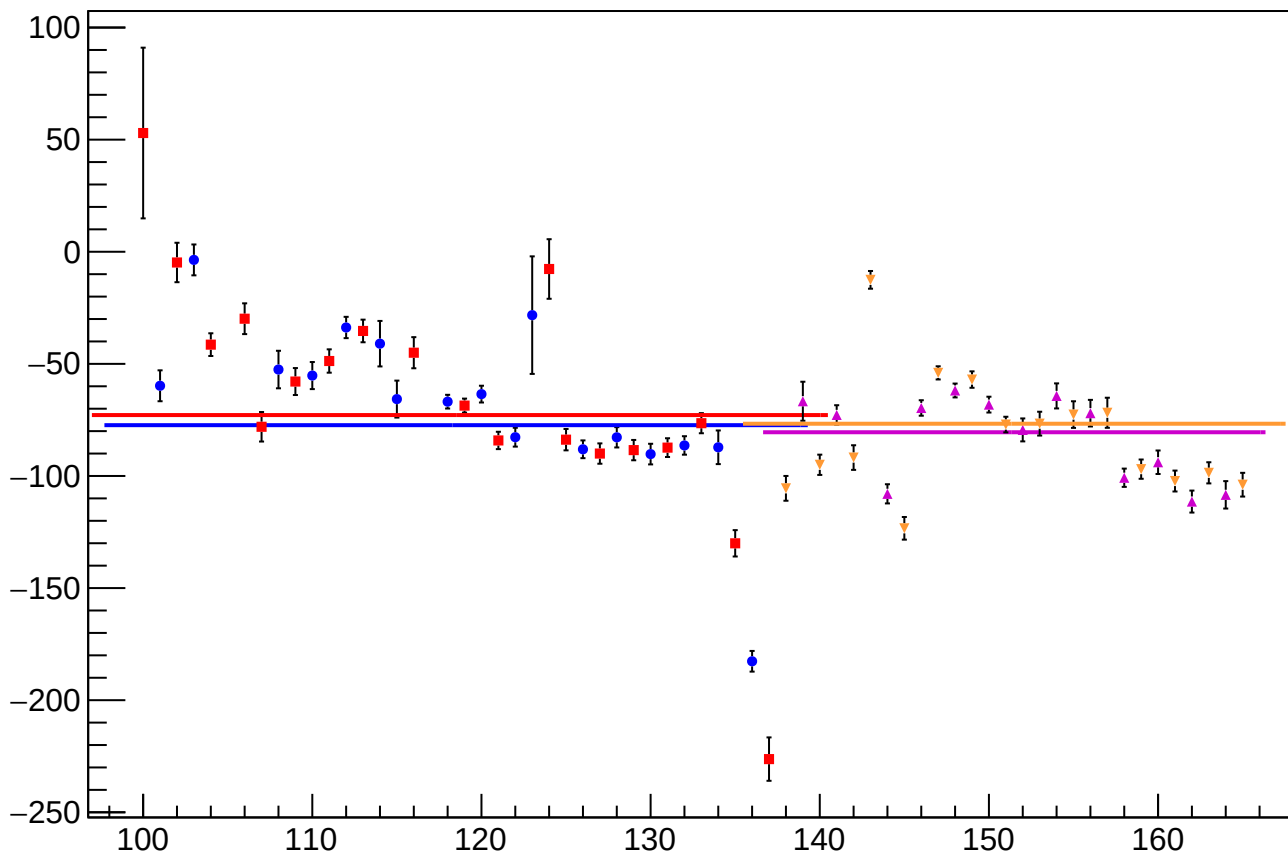
Right: -215.302 ± 1.389 χ^2/NDF : 3039.1/35

In: -230.606 ± 1.193 χ^2/NDF : 1425.0/29

Out: -210.865 ± 1.137 χ^2/NDF : 5102.4/33

All: -220.255 ± 0.823 χ^2/NDF : 6670.8/63

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.342 ± 1.219 χ^2/NDF : 817.2/16

Left Out: -76.702 ± 1.149 χ^2/NDF : 589.8/14

Right Out: -72.836 ± 1.209 χ^2/NDF : 672.9/18

Left In: -80.500 ± 1.237 χ^2/NDF : 207.8/12

Left: -78.462 ± 0.842 χ^2/NDF : 802.7/27

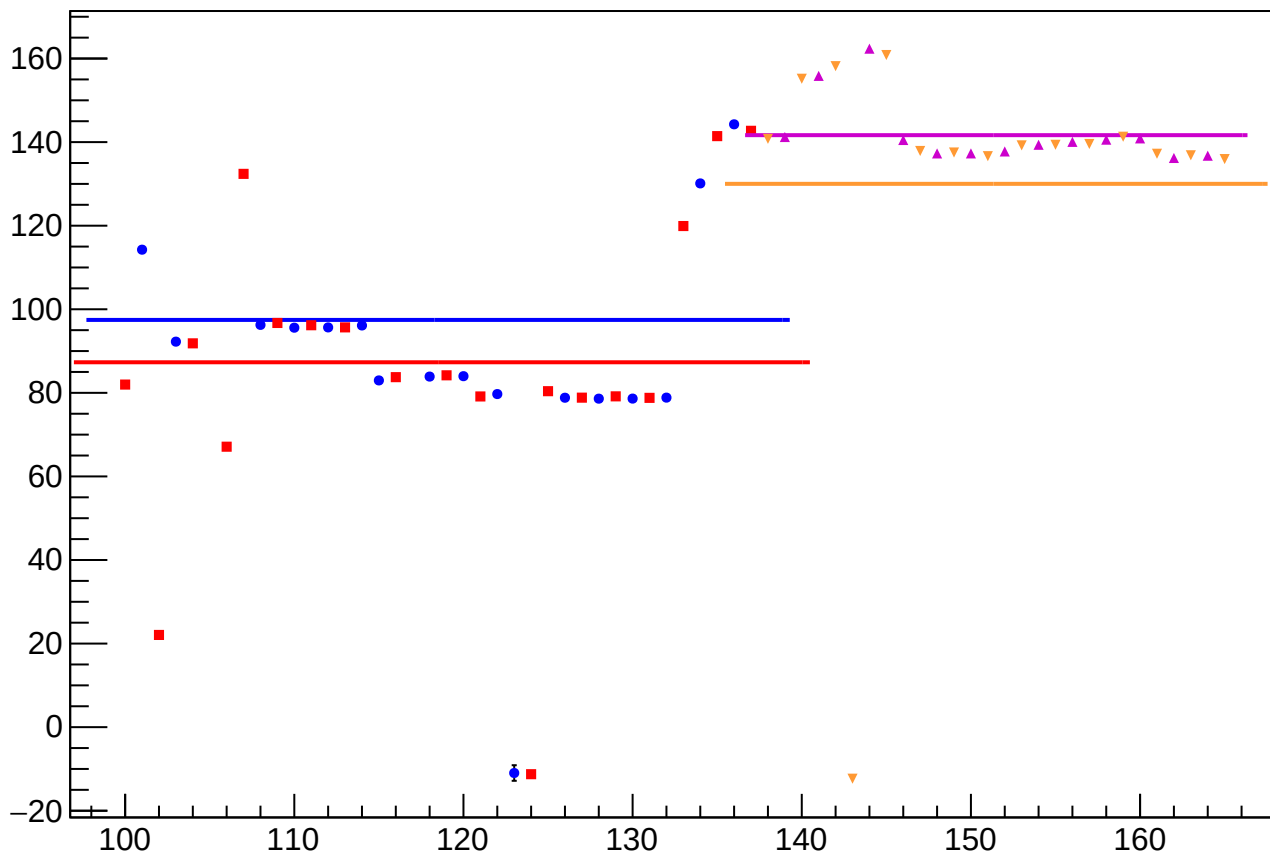
Right: -75.069 ± 0.858 χ^2/NDF : 1497.0/35

In: -78.899 ± 0.868 χ^2/NDF : 1028.3/29

Out: -74.866 ± 0.833 χ^2/NDF : 1268.1/33

All: -76.799 ± 0.601 χ^2/NDF : 2307.6/63

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.452 $\pm$ 0.073 χ^2 /NDF: 94476.4/16

Left Out: 130.015 $\pm$ 0.057 χ^2 /NDF: 550148.9/14

Right Out: 87.315 $\pm$ 0.068 χ^2 /NDF: 221837.7/18

Left In: 141.663 $\pm$ 0.059 χ^2 /NDF: 14540.2/12

Left: 135.587 $\pm$ 0.041 χ^2 /NDF: 584972.0/27

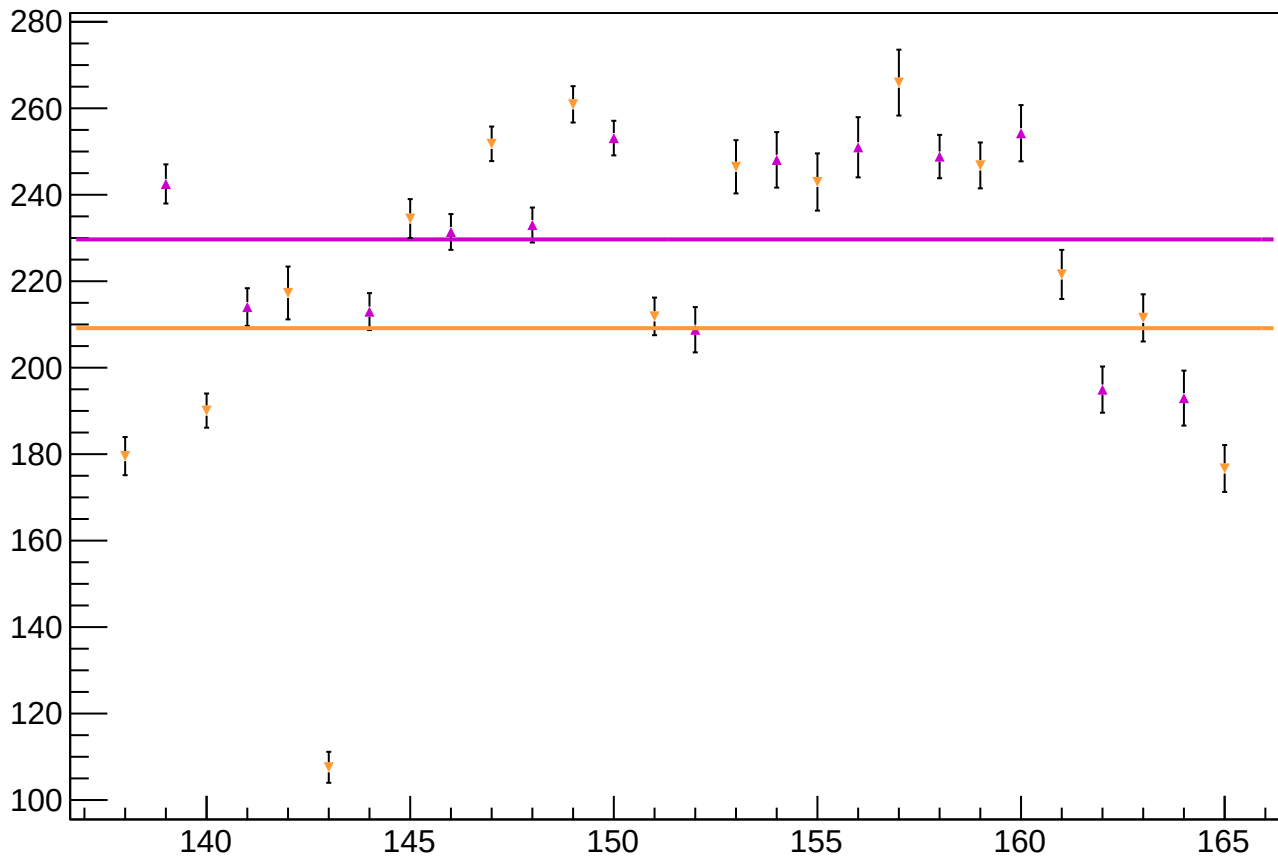
Right: 92.024 $\pm$ 0.050 χ^2 /NDF: 326563.7/35

In: 124.244 $\pm$ 0.046 χ^2 /NDF: 329692.7/29

Out: 112.623 $\pm$ 0.044 χ^2 /NDF: 1004045.2/33

All: 118.118 $\pm$ 0.032 χ^2 /NDF: 1367404.5/63

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 209.142 $\pm$ 1.248 χ^2/NDF :1379.6/14

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

Left In: 229.676 $\pm$ 1.357 χ^2/NDF :209.3/12

Left: 218.552 $\pm$ 0.919 χ^2/NDF : 1712.8/27

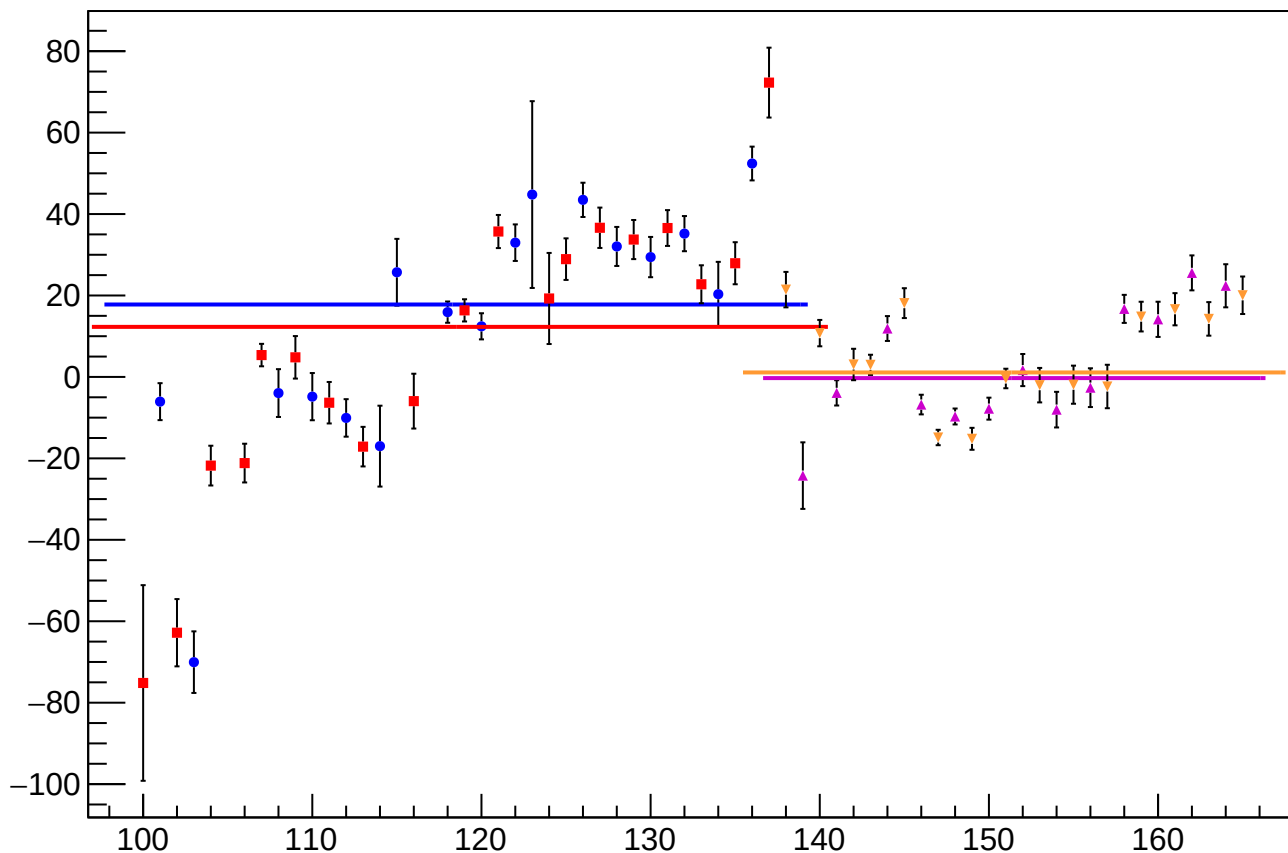
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 229.676 $\pm$ 1.357 χ^2/NDF :209.3/12

Out: 209.142 $\pm$ 1.248 χ^2/NDF :1379.6/14

All: 218.552 $\pm$ 0.919 χ^2/NDF : 1712.8/27

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: 1.101+/-0.838 χ^2/NDF : 219.3/14

Right Out: 12.294+/-1.086 χ^2/NDF : 443.7/18

Left In: -0.288+/-0.919 χ^2/NDF : 157.7/12

Left: 0.470+/-0.619 χ^2/NDF : 378.3/27

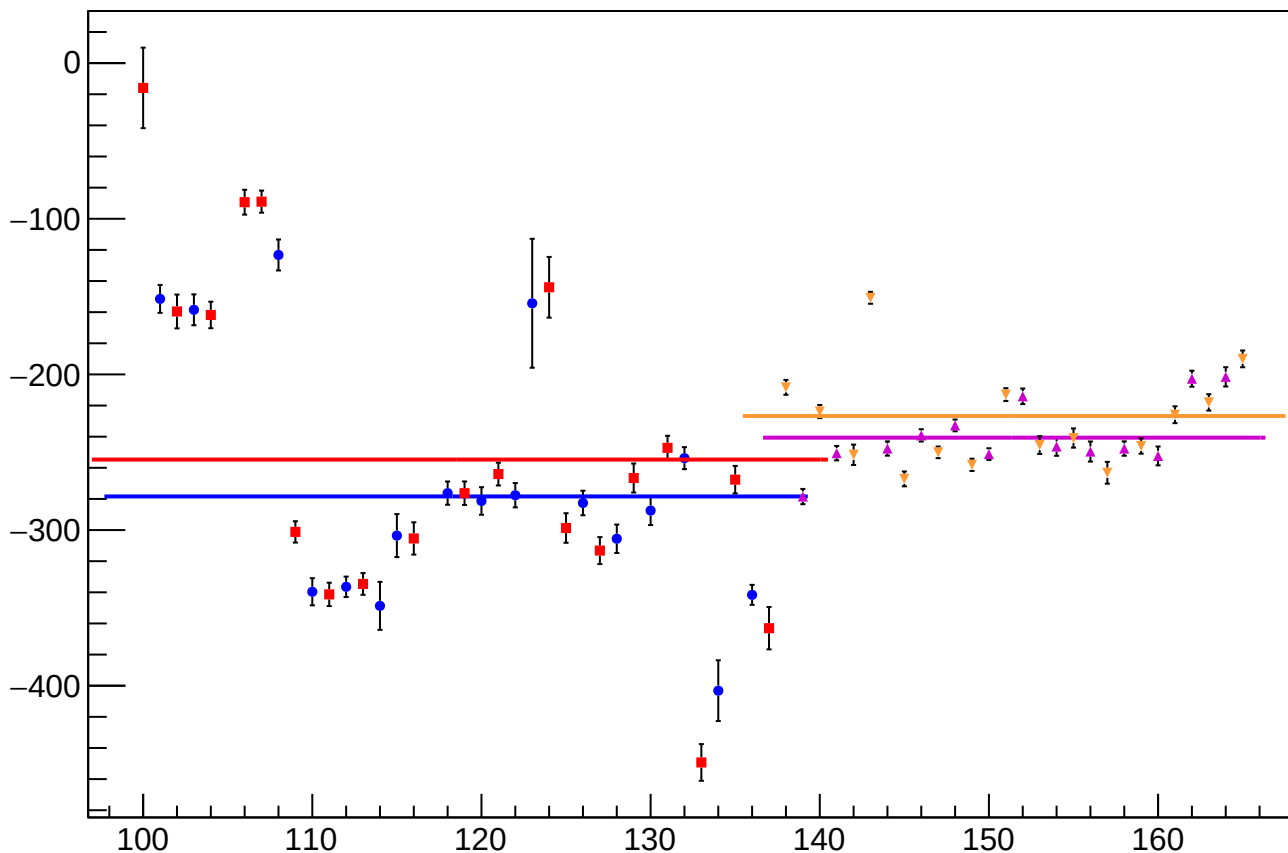
Right: 14.891+/-0.788 χ^2/NDF : 850.9/35

In: 6.781+/-0.717 χ^2/NDF : 704.2/29

Out: 5.276+/-0.663 χ^2/NDF : 729.6/33

All: 5.970+/-0.487 χ^2/NDF : 1436.2/63

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.393+/-2.168 χ^2/NDF : 910.5/16

Left Out: -226.700+/-1.237 χ^2/NDF : 716.8/14

Right Out: -254.703+/-2.020 χ^2/NDF : 2038.5/18

Left In: -240.633+/-1.324 χ^2/NDF : 209.9/12

Left: -233.195+/-0.904 χ^2/NDF : 985.9/27

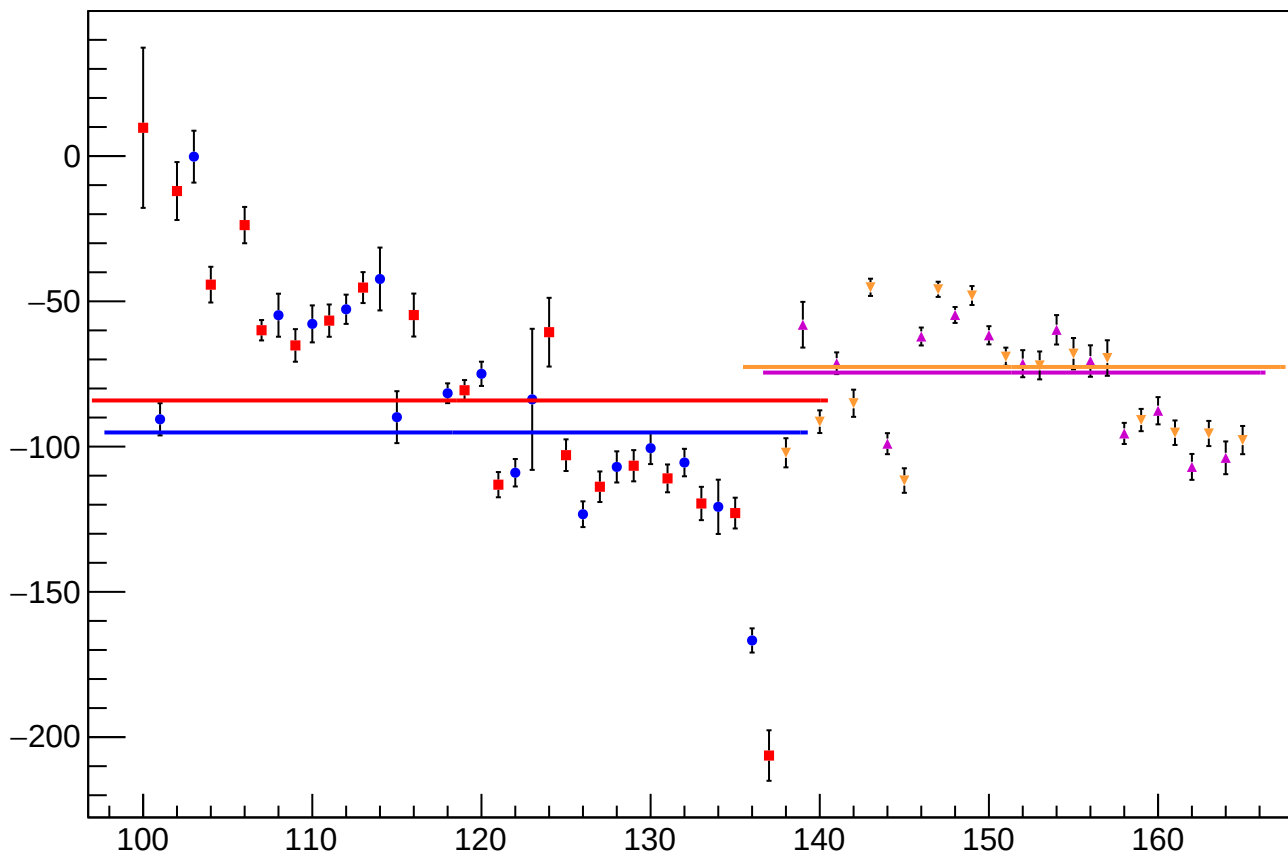
Right: -265.715+/-1.478 χ^2/NDF : 3013.0/35

In: -250.889+/-1.130 χ^2/NDF : 1341.5/29

Out: -234.336+/-1.055 χ^2/NDF : 2895.1/33

All: -242.047+/-0.771 χ^2/NDF : 4351.3/63

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.135 ± 1.322 χ^2/NDF : 674.9/16

Left Out: -72.592 ± 1.006 χ^2/NDF : 506.4/14

Right Out: -84.124 ± 1.259 χ^2/NDF : 782.9/18

Left In: -74.528 ± 1.100 χ^2/NDF : 266.8/12

Left: -73.473 ± 0.742 χ^2/NDF : 774.8/27

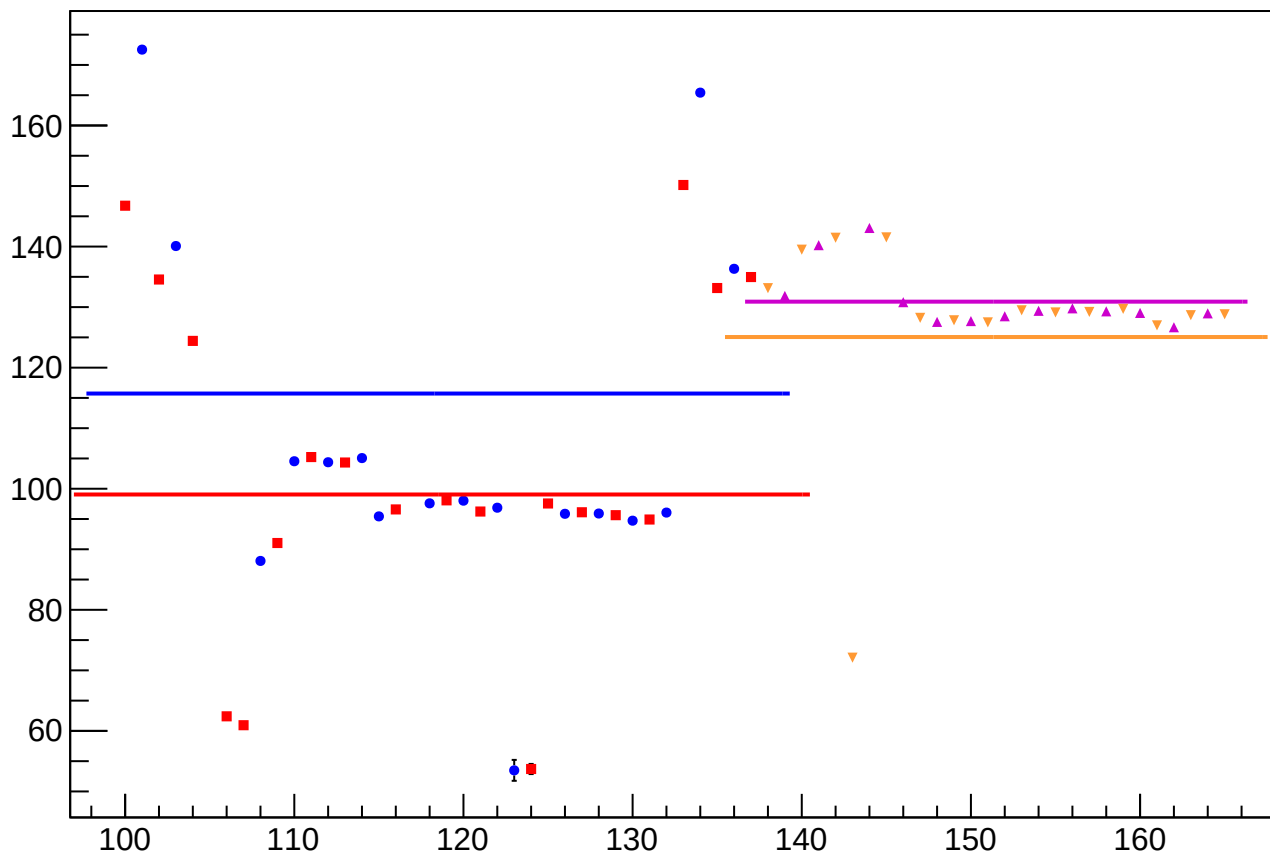
Right: -89.357 ± 0.912 χ^2/NDF : 1494.2/35

In: -82.955 ± 0.846 χ^2/NDF : 1085.2/29

Out: -77.086 ± 0.786 χ^2/NDF : 1340.5/33

All: -79.805 ± 0.576 χ^2/NDF : 2451.5/63

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: 125.057 $\pm$ 0.050 χ^2 /NDF:142042.0/14

Right Out: 99.049 $\pm$ 0.069 χ^2 /NDF: 173463.3/18

Left In: 130.901 $\pm$ 0.053 χ^2 /NDF:7920.9/12

Left: 127.808 $\pm$ 0.036 χ^2 /NDF: 156453.2/27

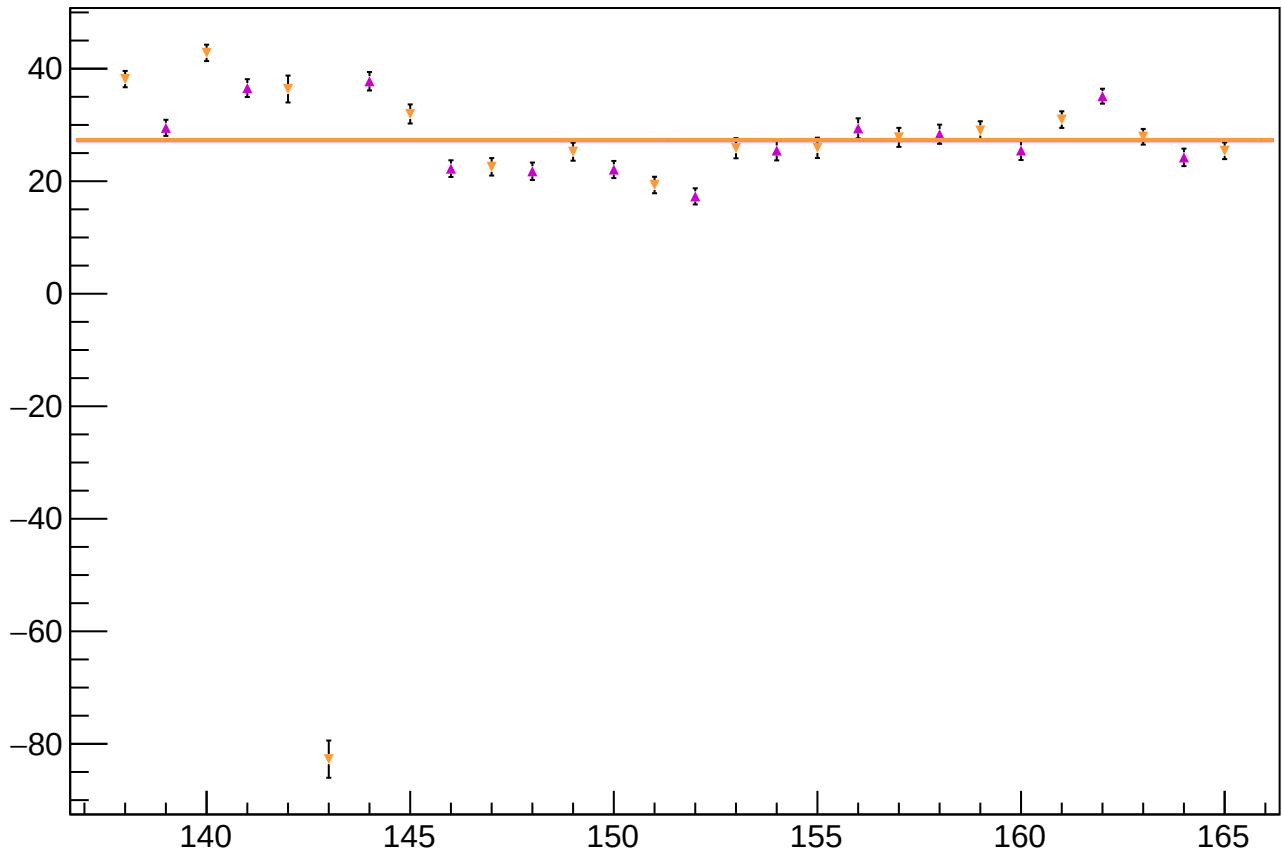
Right: 106.312 $\pm$ 0.051 χ^2 /NDF: 305658.4/35

In: 126.134 $\pm$ 0.044 χ^2 /NDF:140291.2/29

Out: 116.074 $\pm$ 0.040 χ^2 /NDF:409862.6/33

All: 120.692 $\pm$ 0.030 χ^2 /NDF: 578812.7/63

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 27.335 $\pm$ 0.423 χ^2 /NDF:1346.1/14

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

Left In: 27.282 $\pm$ 0.432 χ^2 /NDF:204.1/12

Left: 27.309 $\pm$ 0.302 χ^2 /NDF: 1550.2/27

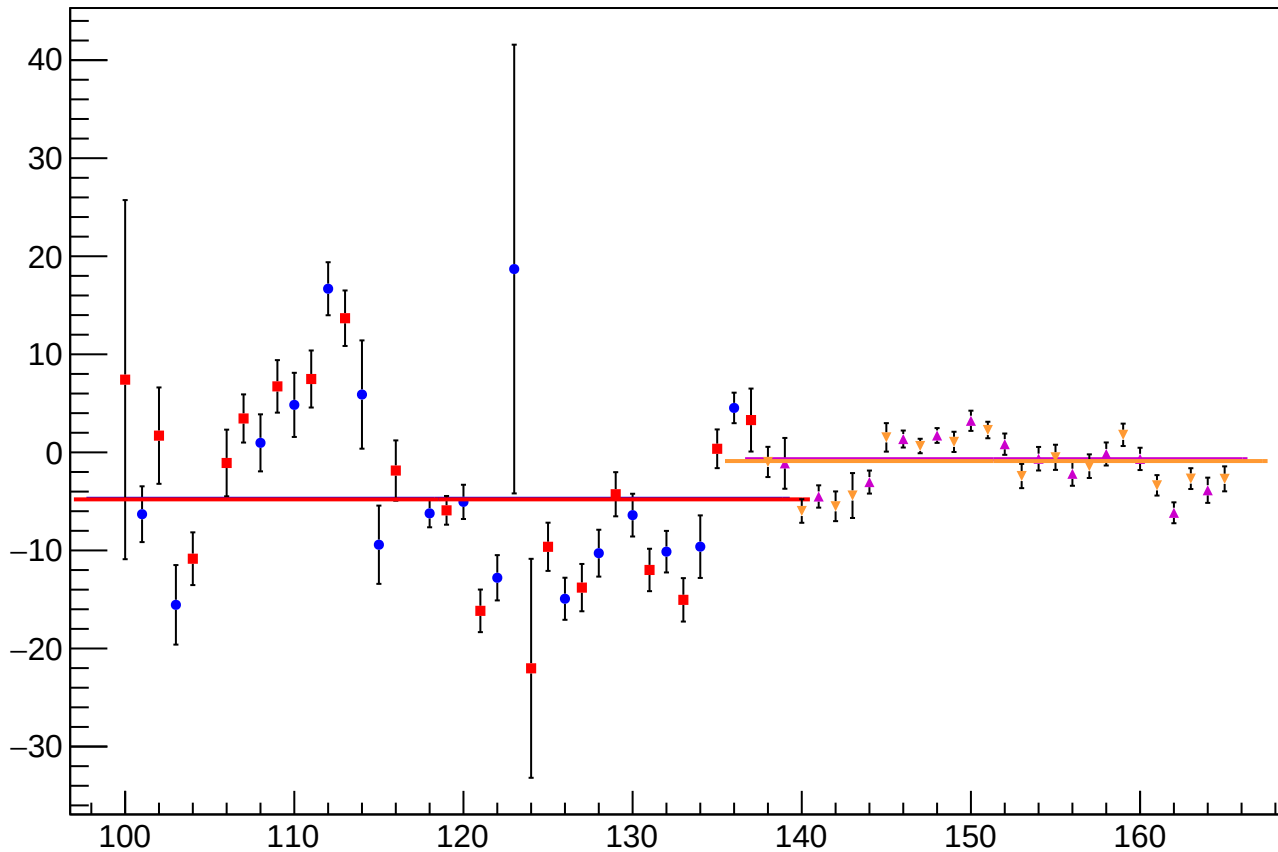
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 27.282 $\pm$ 0.432 χ^2 /NDF:204.1/12

Out: 27.335 $\pm$ 0.423 χ^2 /NDF:1346.1/14

All: 27.309 $\pm$ 0.302 χ^2 /NDF: 1550.2/27

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.730 ± 0.580 χ^2/NDF : 174.8/16

Left Out: -0.885 ± 0.294 χ^2/NDF : 72.2/14

Right Out: -4.793 ± 0.586 χ^2/NDF : 193.5/18

Left In: -0.694 ± 0.303 χ^2/NDF : 81.5/12

Left: -0.793 ± 0.211 χ^2/NDF : 153.9/27

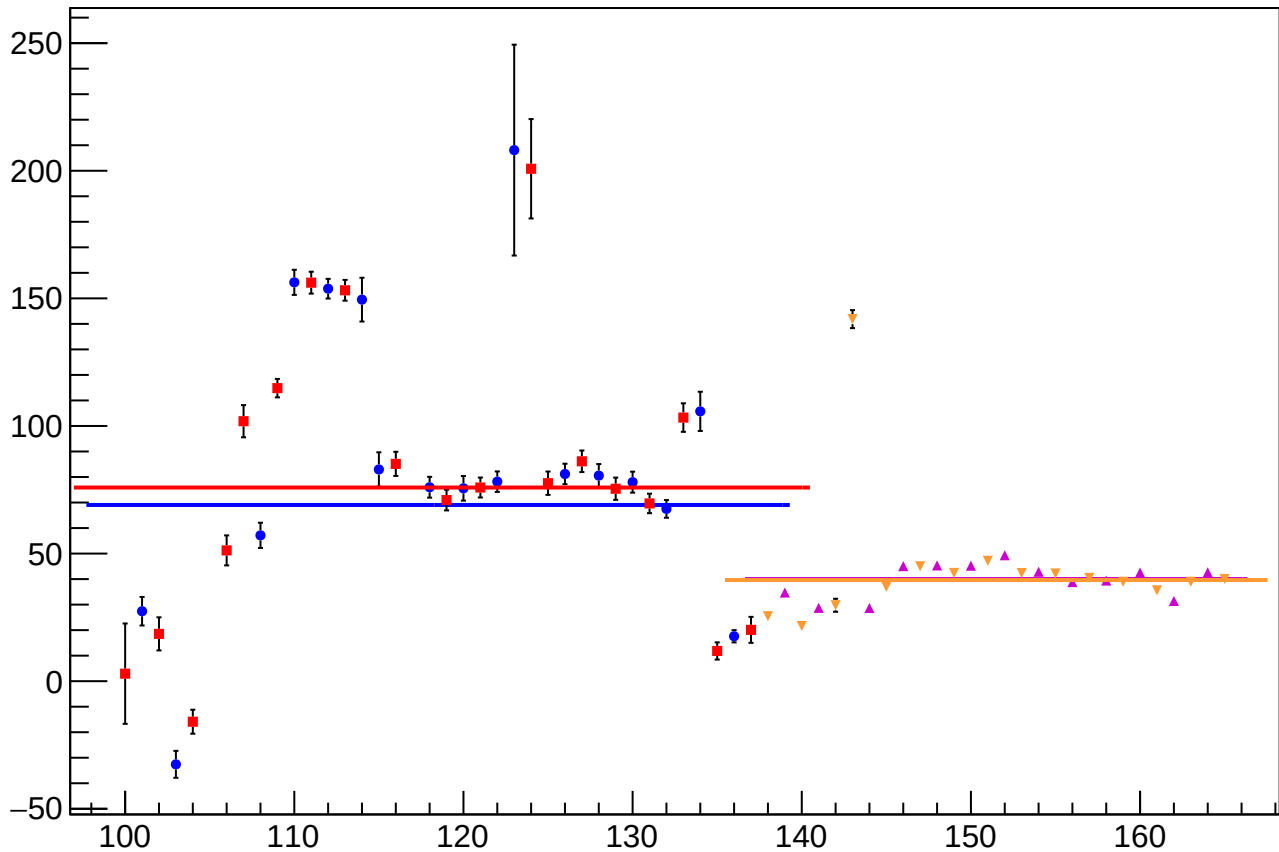
Right: -4.761 ± 0.412 χ^2/NDF : 368.3/35

In: -1.562 ± 0.269 χ^2/NDF : 294.4/29

Out: -1.673 ± 0.263 χ^2/NDF : 301.2/33

All: -1.619 ± 0.188 χ^2/NDF : 595.7/63

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.048+/-1.077 χ^2/NDF : 1847.9/16

Left Out: 39.629+/-0.413 χ^2/NDF : 1129.5/14

Right Out: 75.878+/-1.069 χ^2/NDF : 1895.0/18

Left In: 40.020+/-0.420 χ^2/NDF : 238.4/12

Left: 39.821+/-0.294 χ^2/NDF : 1368.4/27

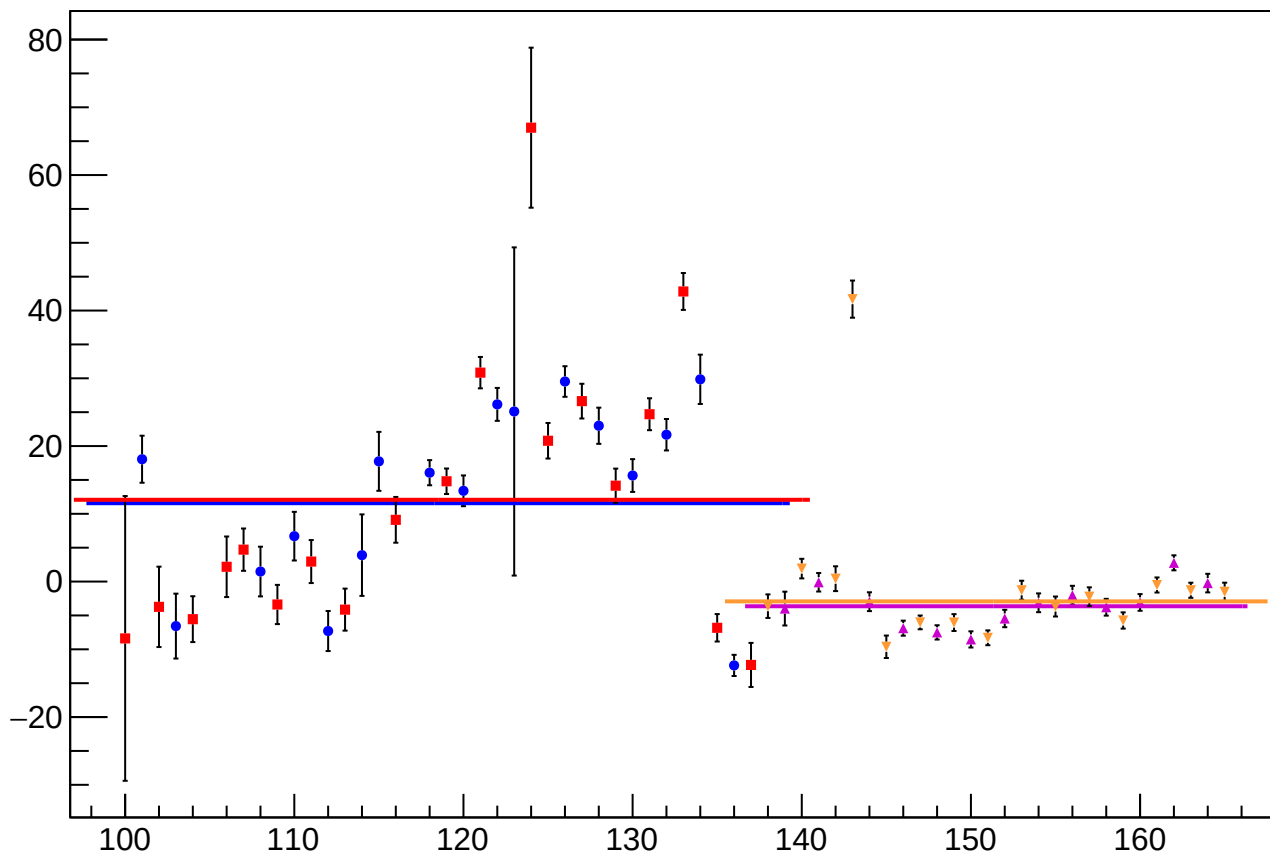
Right: 72.486+/-0.759 χ^2/NDF : 3763.1/35

In: 43.848+/-0.391 χ^2/NDF : 2717.3/29

Out: 44.335+/-0.385 χ^2/NDF : 4024.2/33

All: 44.095+/-0.274 χ^2/NDF : 6742.3/63

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.565 ± 0.658 $\chi^2/\text{NDF}: 478.2/16$

Left Out: -2.925 ± 0.345 $\chi^2/\text{NDF}: 350.8/14$

Right Out: 12.071 ± 0.665 $\chi^2/\text{NDF}: 543.3/18$

Left In: -3.645 ± 0.355 $\chi^2/\text{NDF}: 89.0/12$

Left: -3.274 ± 0.247 $\chi^2/\text{NDF}: 442.0/27$

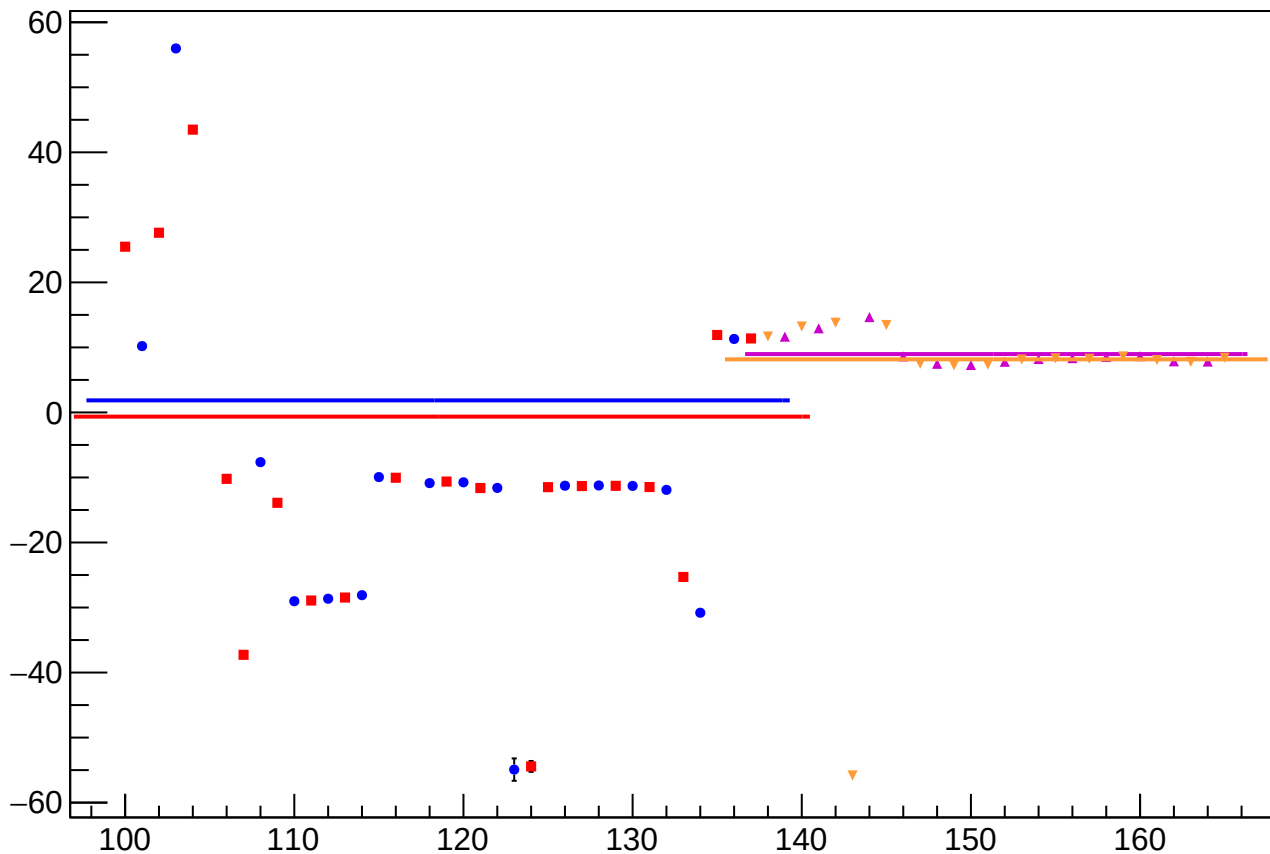
Right: 11.816 ± 0.468 $\chi^2/\text{NDF}: 1021.8/35$

In: -0.215 ± 0.313 $\chi^2/\text{NDF}: 980.8/29$

Out: 0.256 ± 0.306 $\chi^2/\text{NDF}: 1295.4/33$

All: 0.026 ± 0.219 $\chi^2/\text{NDF}: 2277.3/63$

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.855 $\pm$ 0.037 χ^2/NDF : 359414.1/16

Left Out: 8.165 $\pm$ 0.016 χ^2/NDF :222579.8/14

Right Out: -0.644 $\pm$ 0.037 χ^2/NDF : 361625.7/18

Left In: 8.976 $\pm$ 0.016 χ^2/NDF :14330.1/12

Left: 8.565 $\pm$ 0.012 χ^2/NDF : 238145.1/27

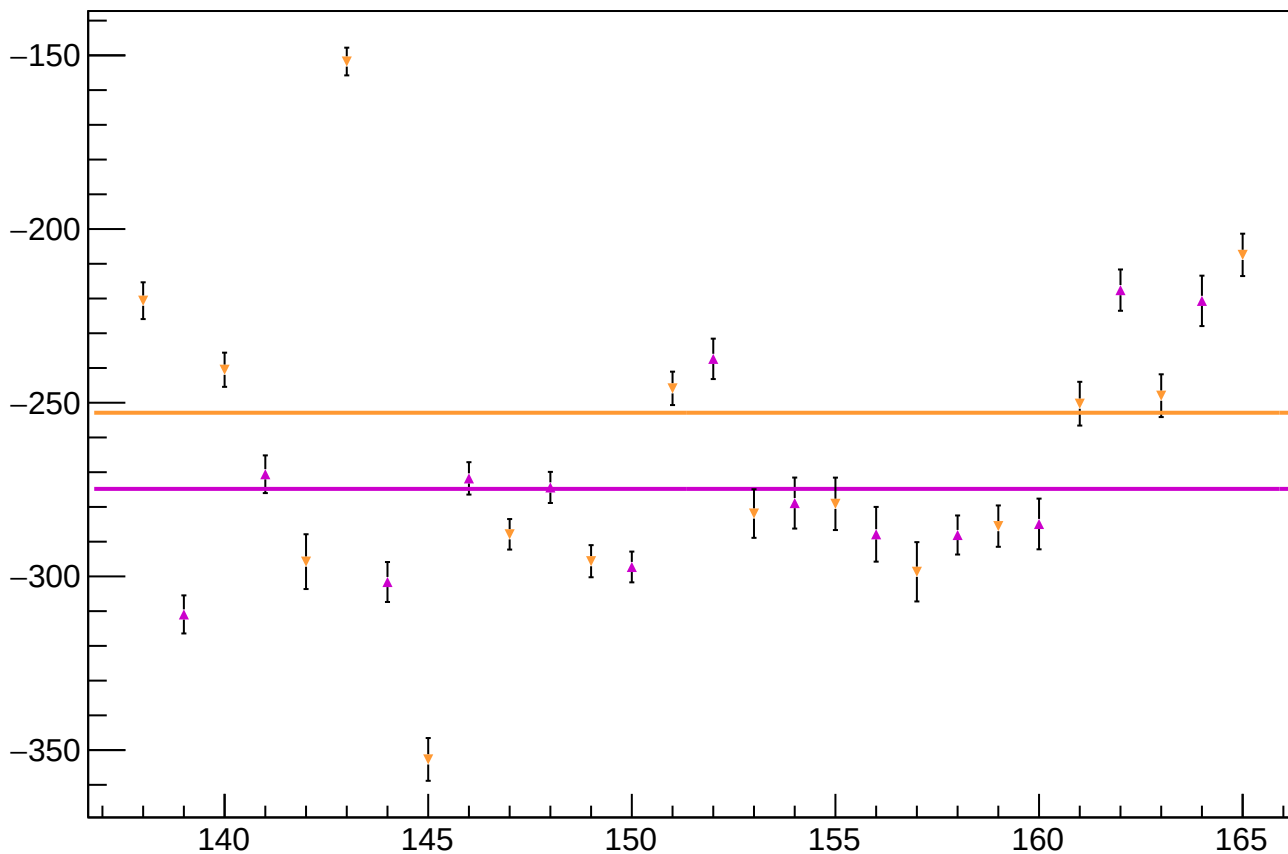
Right: 0.608 $\pm$ 0.026 χ^2/NDF : 723318.4/35

In: 7.804 $\pm$ 0.015 χ^2/NDF :404691.2/29

Out: 6.751 $\pm$ 0.015 χ^2/NDF :631658.8/33

All: 7.272 $\pm$ 0.011 χ^2/NDF : 1038841.3/63

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: -252.882+/-1.440 χ^2/NDF :1273.5/14

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

Left In: -274.804+/-1.569 χ^2/NDF :292.2/12

Left: -262.903+/-1.061 χ^2/NDF : 1671.8/27

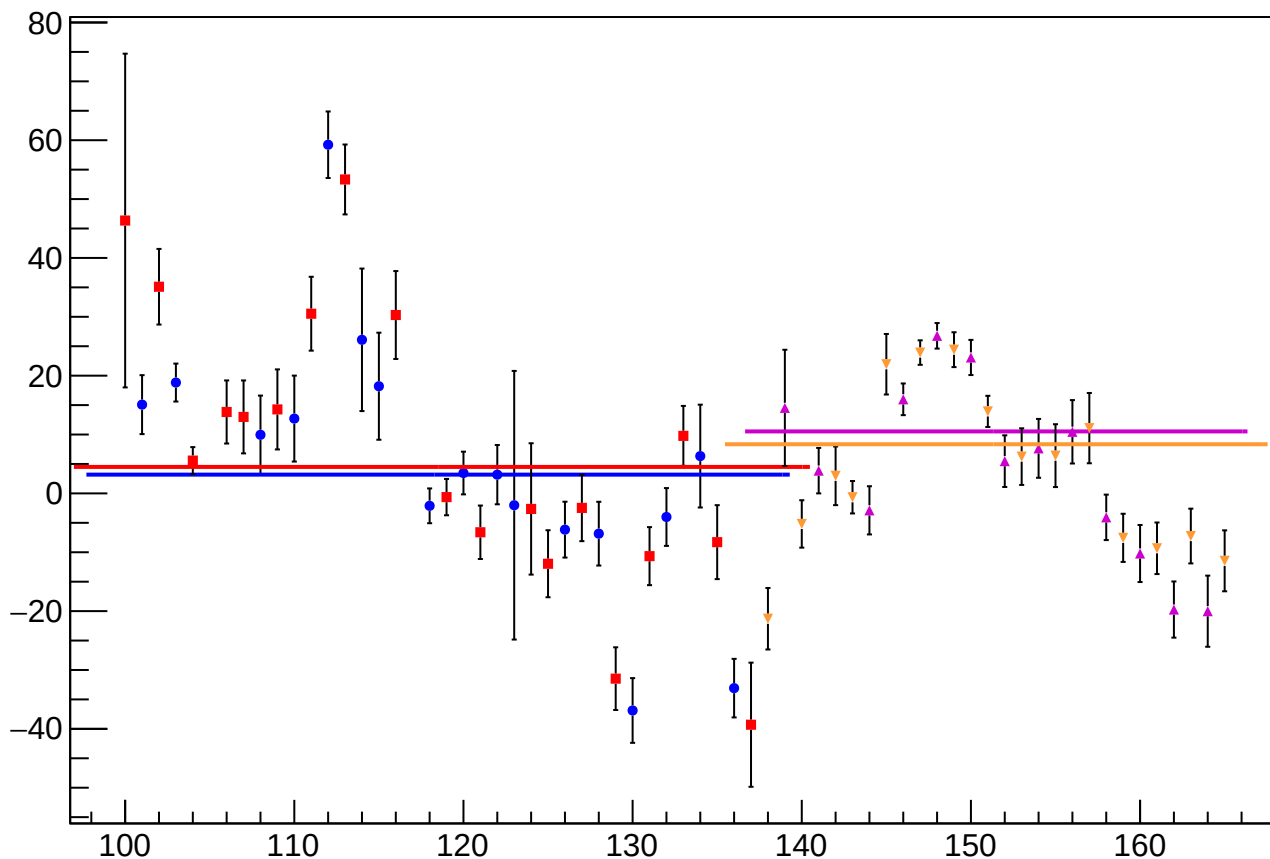
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -274.804+/-1.569 χ^2/NDF :292.2/12

Out: -252.882+/-1.440 χ^2/NDF :1273.5/14

All: -262.903+/-1.061 χ^2/NDF : 1671.8/27

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.188 ± 1.225 χ^2/NDF : 255.6/16

Left Out: 8.349 ± 0.954 χ^2/NDF : 210.0/14

Right Out: 4.497 ± 1.160 χ^2/NDF : 225.4/18

Left In: 10.527 ± 1.050 χ^2/NDF : 191.7/12

Left: 9.334 ± 0.706 χ^2/NDF : 404.0/27

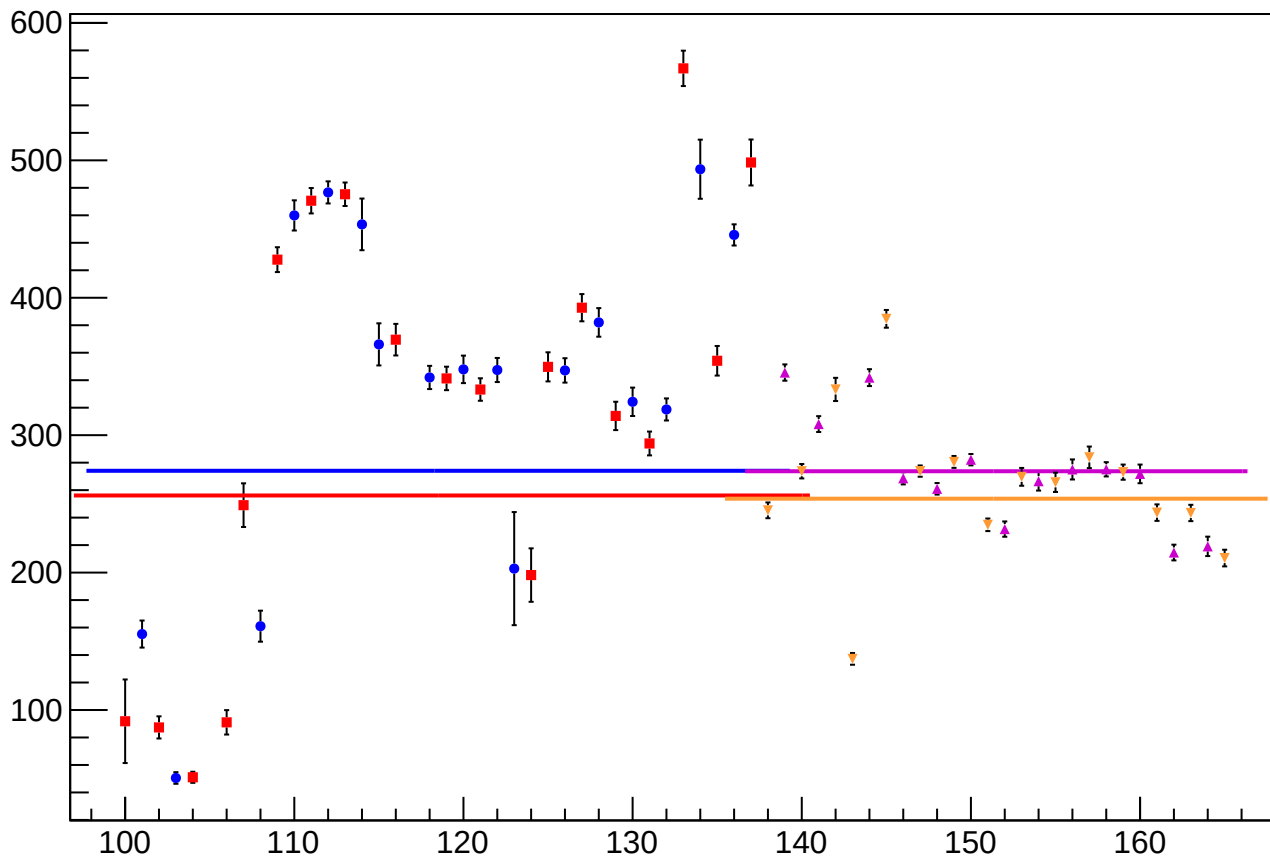
Right: 3.879 ± 0.842 χ^2/NDF : 481.7/35

In: 7.419 ± 0.797 χ^2/NDF : 468.0/29

Out: 6.794 ± 0.737 χ^2/NDF : 442.0/33

All: 7.082 ± 0.541 χ^2/NDF : 910.3/63

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: 253.781 $\pm$ 1.419 χ^2 /NDF:1437.9/14

Right Out: 256.109 $\pm$ 2.080 χ^2 /NDF: 6444.1/18

Left In: 273.749 $\pm$ 1.521 χ^2 /NDF:544.2/12

Left: 263.070 $\pm$ 1.038 χ^2 /NDF: 2074.2/27

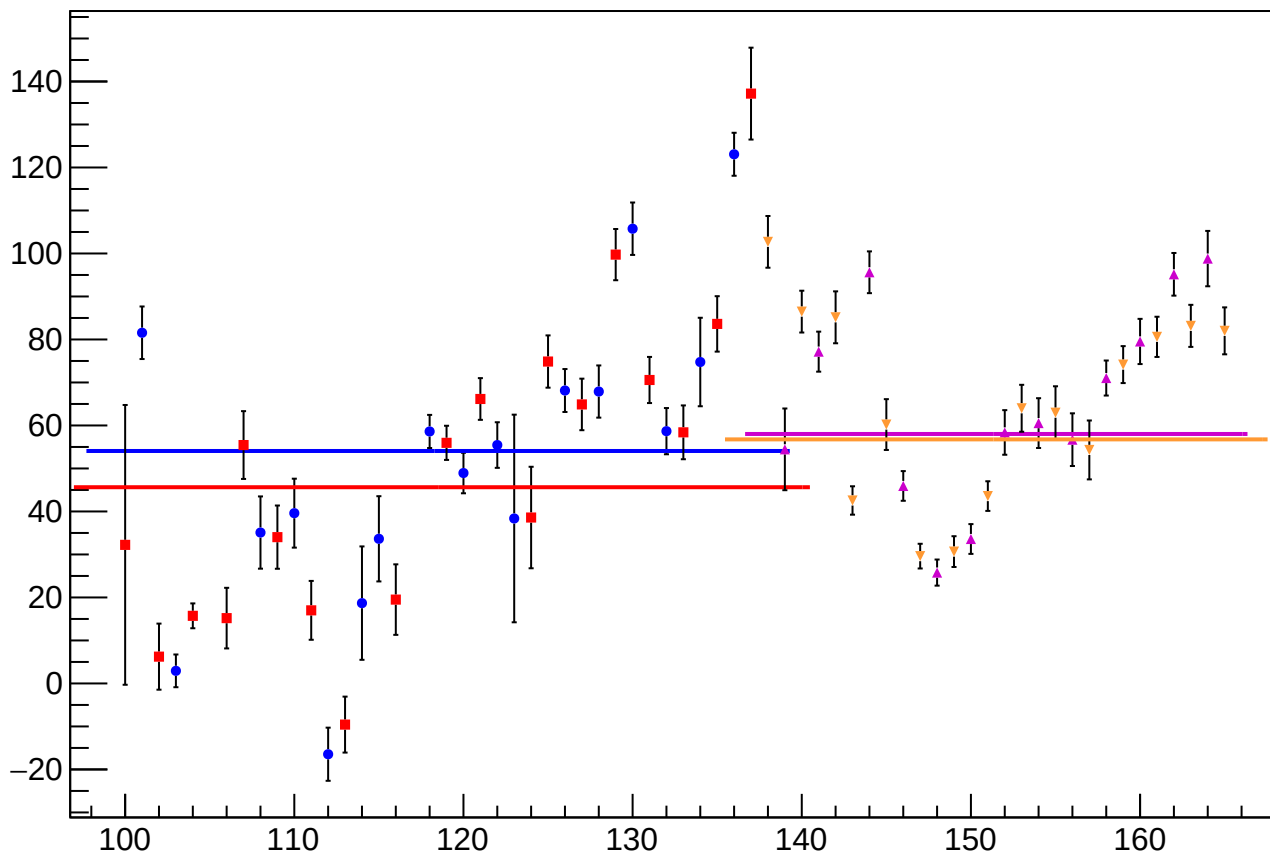
Right: 264.628 $\pm$ 1.509 χ^2 /NDF: 11591.4/35

In: 273.856 $\pm$ 1.250 χ^2 /NDF:5656.2/29

Out: 254.520 $\pm$ 1.172 χ^2 /NDF:7882.8/33

All: 263.571 $\pm$ 0.855 χ^2 /NDF: 13666.3/63

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.065 $\pm$ 1.421 χ^2 /NDF: 634.4/16

Left Out: 56.761 $\pm$ 1.149 χ^2 /NDF:389.7/14

Right Out: 45.637 $\pm$ 1.359 χ^2 /NDF: 530.8/18

Left In: 58.021 $\pm$ 1.260 χ^2 /NDF:375.1/12

Left: 57.333 $\pm$ 0.849 χ^2 /NDF: 765.3/27

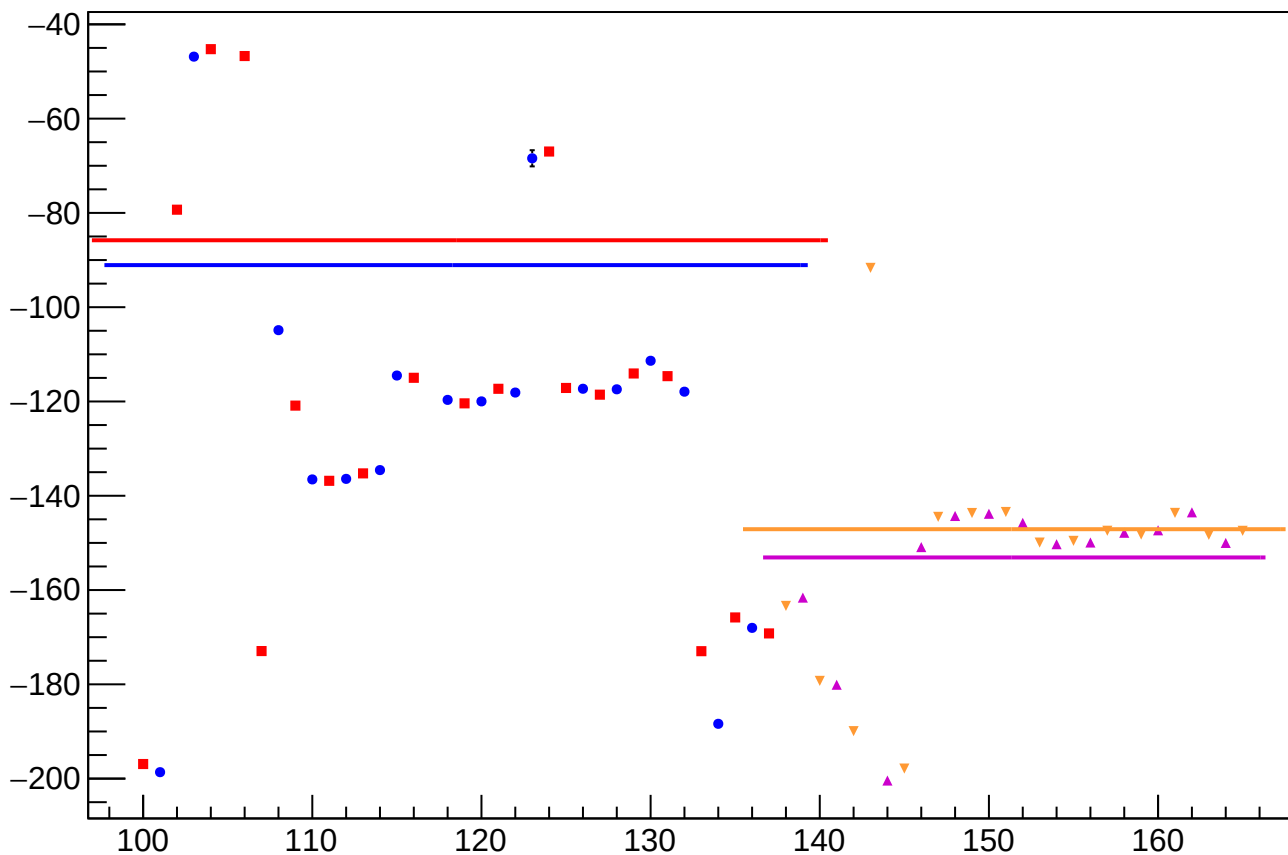
Right: 49.665 $\pm$ 0.982 χ^2 /NDF: 1183.6/35

In: 56.280 $\pm$ 0.942 χ^2 /NDF:1013.8/29

Out: 52.126 $\pm$ 0.877 χ^2 /NDF:959.6/33

All: 54.054 $\pm$ 0.642 χ^2 /NDF: 1983.8/63

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.074 $\pm$ 0.068 χ^2 /NDF: 534647.5/16

Left Out: -147.093 $\pm$ 0.057 χ^2 /NDF:187074.7/14

Right Out: -85.803 $\pm$ 0.065 χ^2 /NDF: 495895.1/18

Left In: -153.086 $\pm$ 0.061 χ^2 /NDF:55756.2/12

Left: -149.912 $\pm$ 0.042 χ^2 /NDF: 248005.4/27

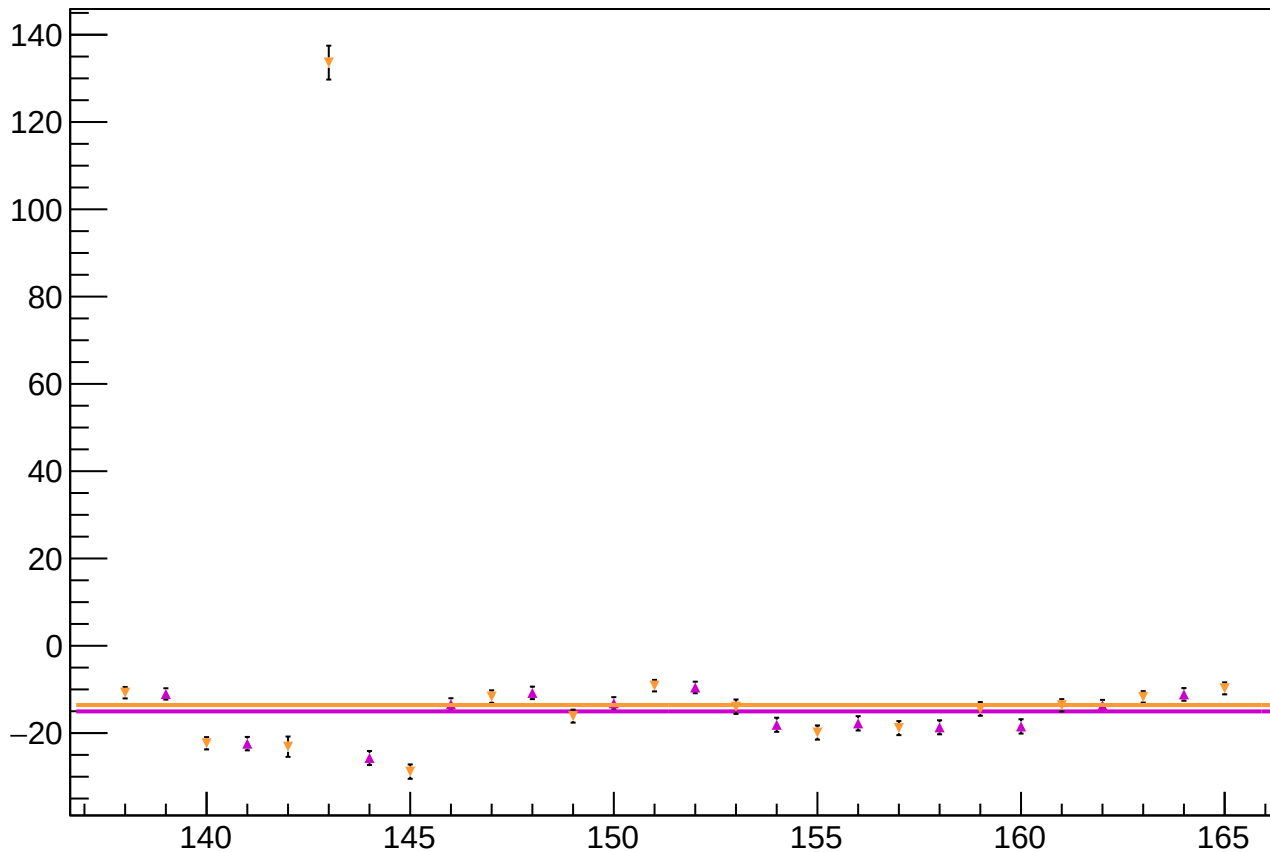
Right: -88.339 $\pm$ 0.047 χ^2 /NDF: 1033703.0/35

In: -125.411 $\pm$ 0.045 χ^2 /NDF:1057339.1/29

Out: -120.396 $\pm$ 0.043 χ^2 /NDF:1184167.4/33

All: -122.779 $\pm$ 0.031 χ^2 /NDF: 2247991.8/63

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.563+/-0.396 χ^2/NDF :1636.1/14

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

Left In: -15.038+/-0.405 χ^2/NDF :130.1/12

Left: -14.285+/-0.283 χ^2/NDF : 1772.9/27

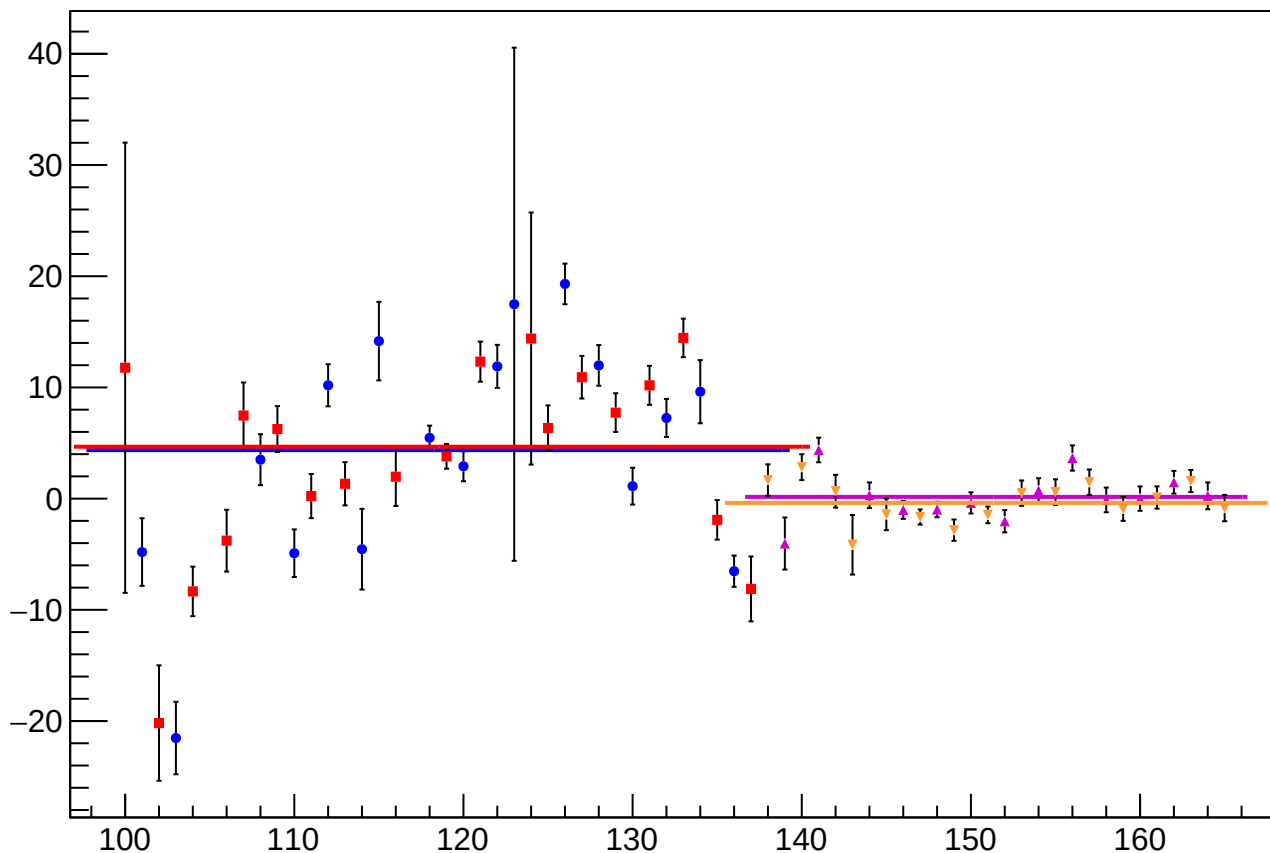
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.038+/-0.405 χ^2/NDF :130.1/12

Out: -13.563+/-0.396 χ^2/NDF :1636.1/14

All: -14.285+/-0.283 χ^2/NDF : 1772.9/27

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.361 ± 0.464 $\chi^2/\text{NDF}: 286.5/16$

Left Out: -0.383 ± 0.275 $\chi^2/\text{NDF}: 33.3/14$

Right Out: 4.670 ± 0.474 $\chi^2/\text{NDF}: 185.4/18$

Left In: 0.158 ± 0.284 $\chi^2/\text{NDF}: 39.2/12$

Left: -0.122 ± 0.198 $\chi^2/\text{NDF}: 74.4/27$

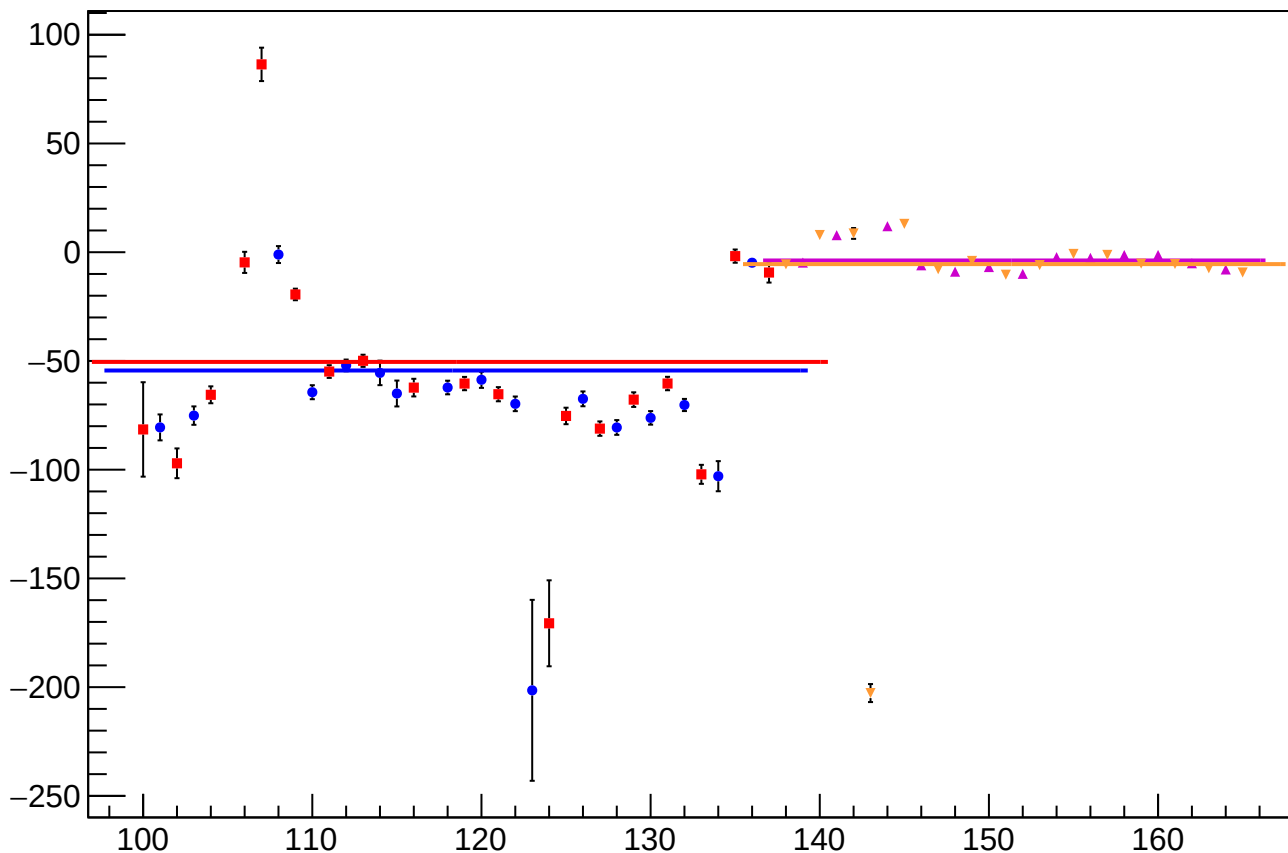
Right: 4.512 ± 0.332 $\chi^2/\text{NDF}: 472.1/35$

In: 1.304 ± 0.243 $\chi^2/\text{NDF}: 385.3/29$

Out: 0.889 ± 0.238 $\chi^2/\text{NDF}: 303.6/33$

All: 1.093 ± 0.170 $\chi^2/\text{NDF}: 690.4/63$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.392 ± 0.863 $\chi^2/\text{NDF}: 1013.4/16$

Left Out: -5.471 ± 0.387 $\chi^2/\text{NDF}: 2542.1/14$

Right Out: -50.441 ± 0.857 $\chi^2/\text{NDF}: 1324.7/18$

Left In: -3.799 ± 0.393 $\chi^2/\text{NDF}: 198.3/12$

Left: -4.648 ± 0.276 $\chi^2/\text{NDF}: 2749.6/27$

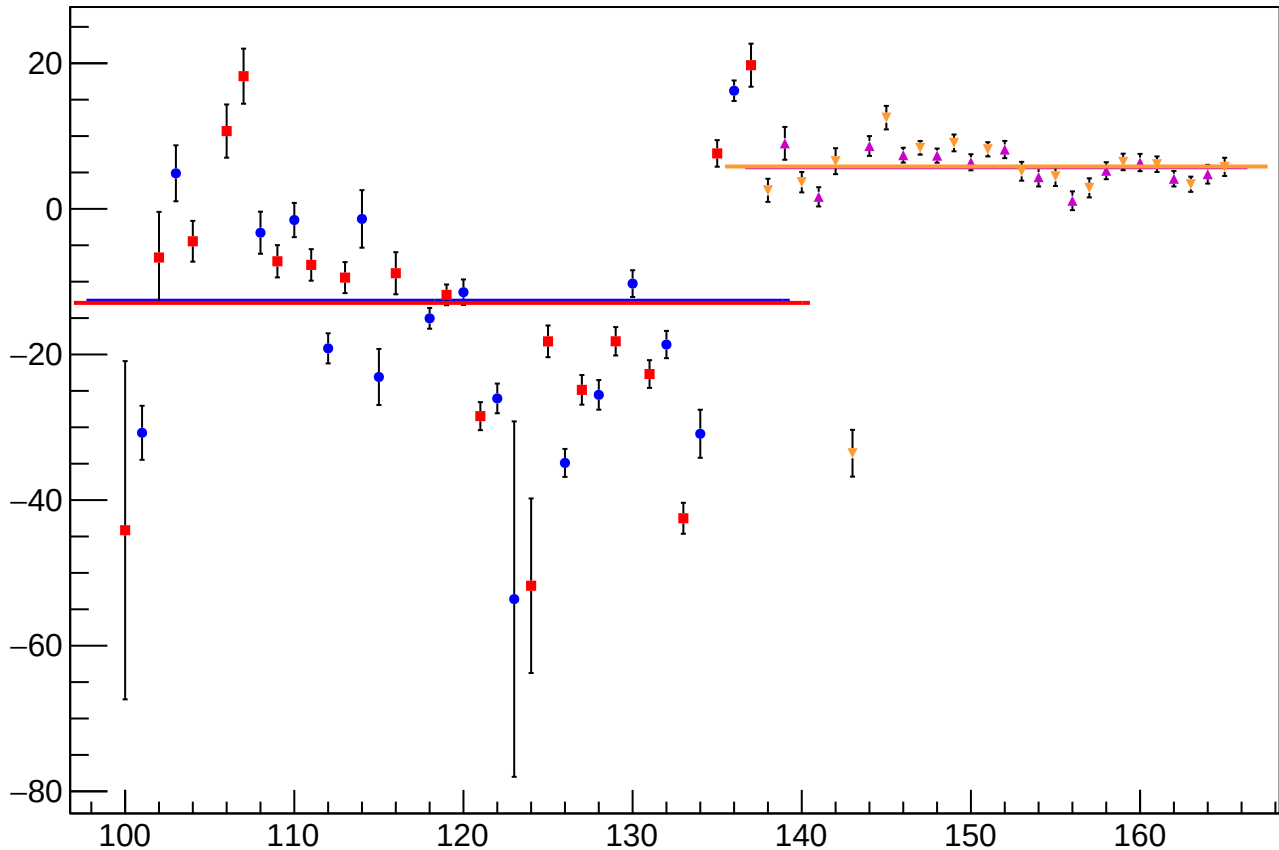
Right: -52.405 ± 0.608 $\chi^2/\text{NDF}: 2348.7/35$

In: -12.492 ± 0.358 $\chi^2/\text{NDF}: 4061.2/29$

Out: -13.067 ± 0.352 $\chi^2/\text{NDF}: 6153.2/33$

All: -12.783 ± 0.251 $\chi^2/\text{NDF}: 10215.7/63$

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: 5.824 ± 0.323 χ^2/NDF : 207.8/14

Right Out: -12.912 ± 0.538 χ^2/NDF : 730.2/18

Left In: 5.717 ± 0.333 χ^2/NDF : 43.1/12

Left: 5.772 ± 0.232 χ^2/NDF : 251.0/27

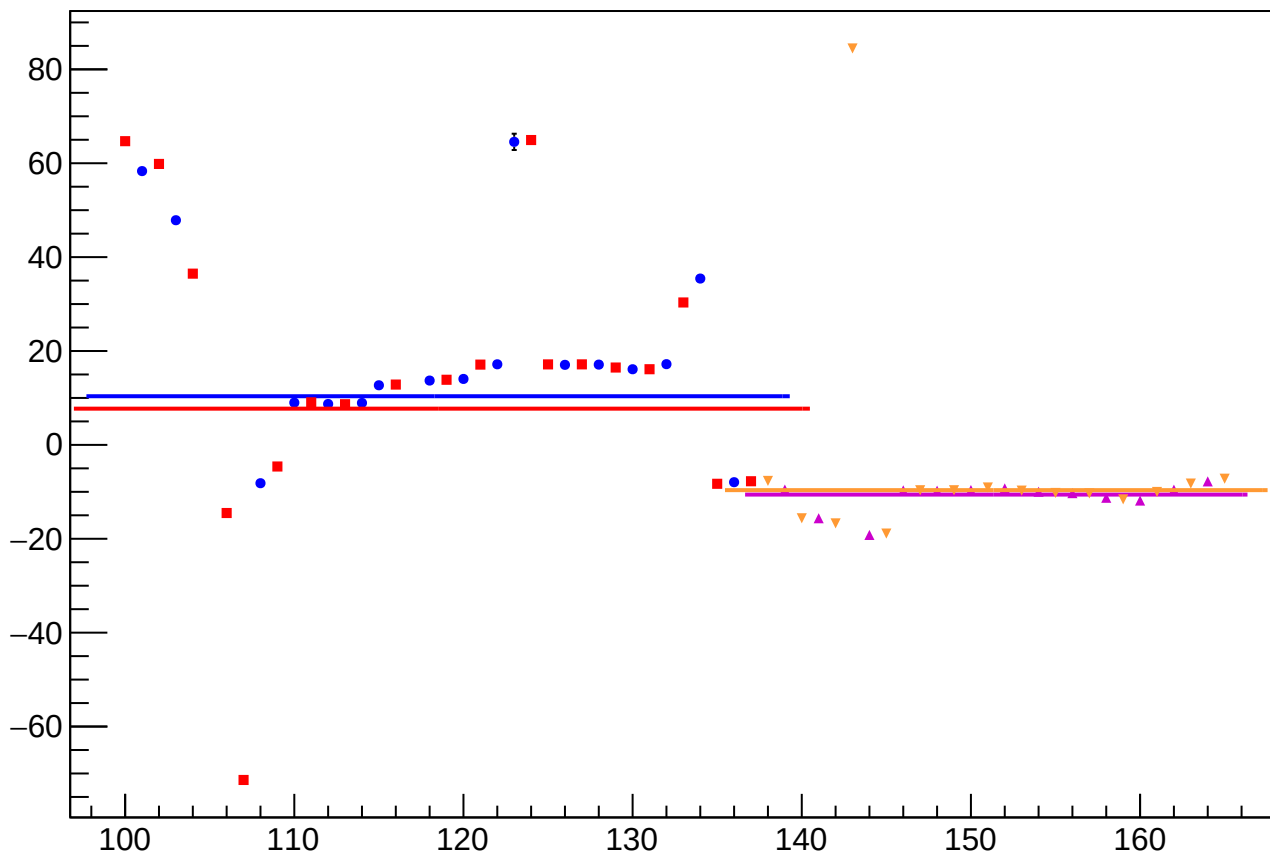
Right: -12.762 ± 0.378 χ^2/NDF : 1518.6/35

In: 0.520 ± 0.282 χ^2/NDF : 1688.1/29

Out: 0.868 ± 0.277 χ^2/NDF : 1829.4/33

All: 0.698 ± 0.198 χ^2/NDF : 3518.3/63

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.366 $\pm$ 0.031 χ^2 /NDF: 381003.5/16

Left Out: -9.640 $\pm$ 0.015 χ^2 /NDF: 358868.8/14

Right Out: 7.719 $\pm$ 0.031 χ^2 /NDF: 545085.7/18

Left In: -10.585 $\pm$ 0.015 χ^2 /NDF: 24335.4/12

Left: -10.106 $\pm$ 0.011 χ^2 /NDF: 385120.6/27

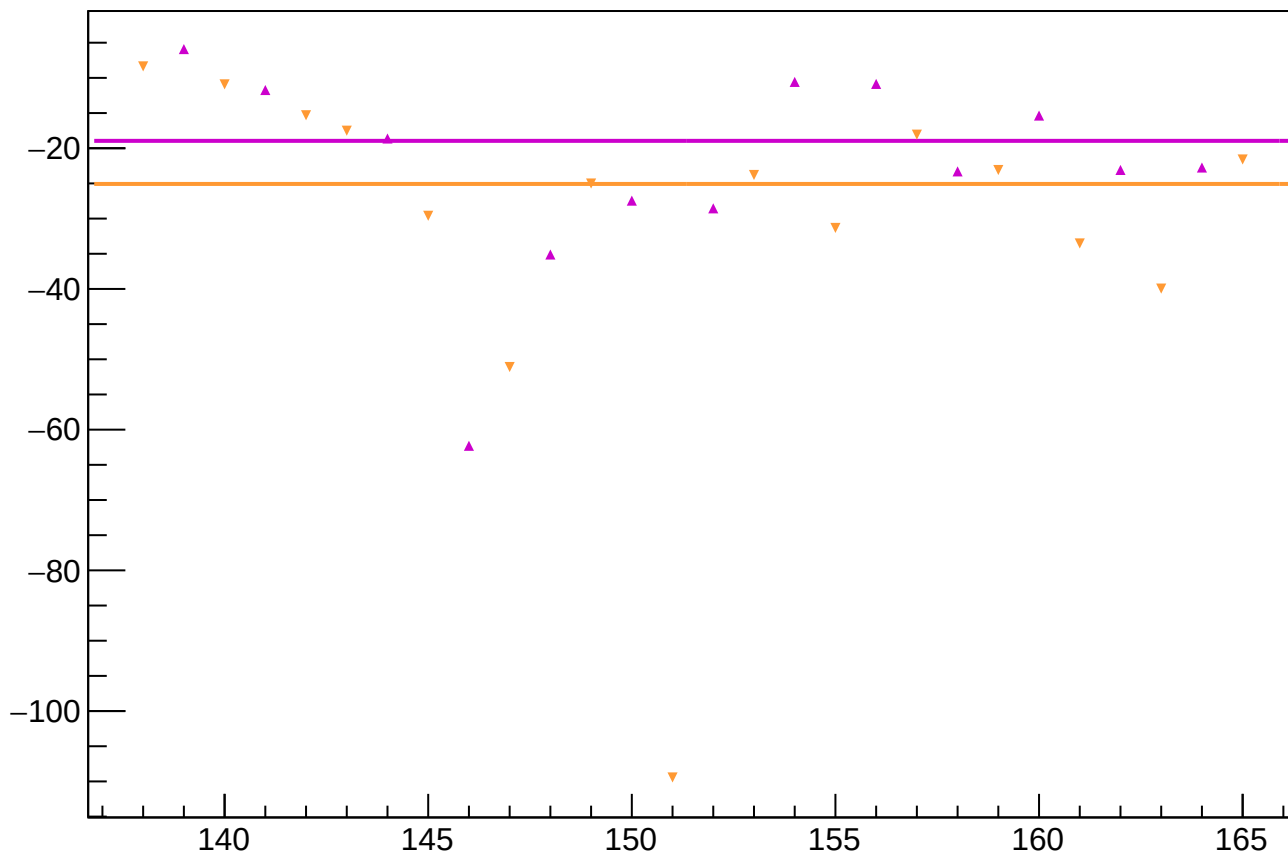
Right: 9.073 $\pm$ 0.022 χ^2 /NDF: 929756.2/35

In: -6.354 $\pm$ 0.014 χ^2 /NDF: 781009.2/29

Out: -6.336 $\pm$ 0.014 χ^2 /NDF: 1153719.0/33

All: -6.345 $\pm$ 0.010 χ^2 /NDF: 1934729.2/63

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.075+/-0.065 χ^2/NDF :56717.8/14

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

Left In: -18.950+/-0.057 χ^2/NDF :37852.3/12

Left: -21.619+/-0.043 χ^2/NDF : 99526.3/27

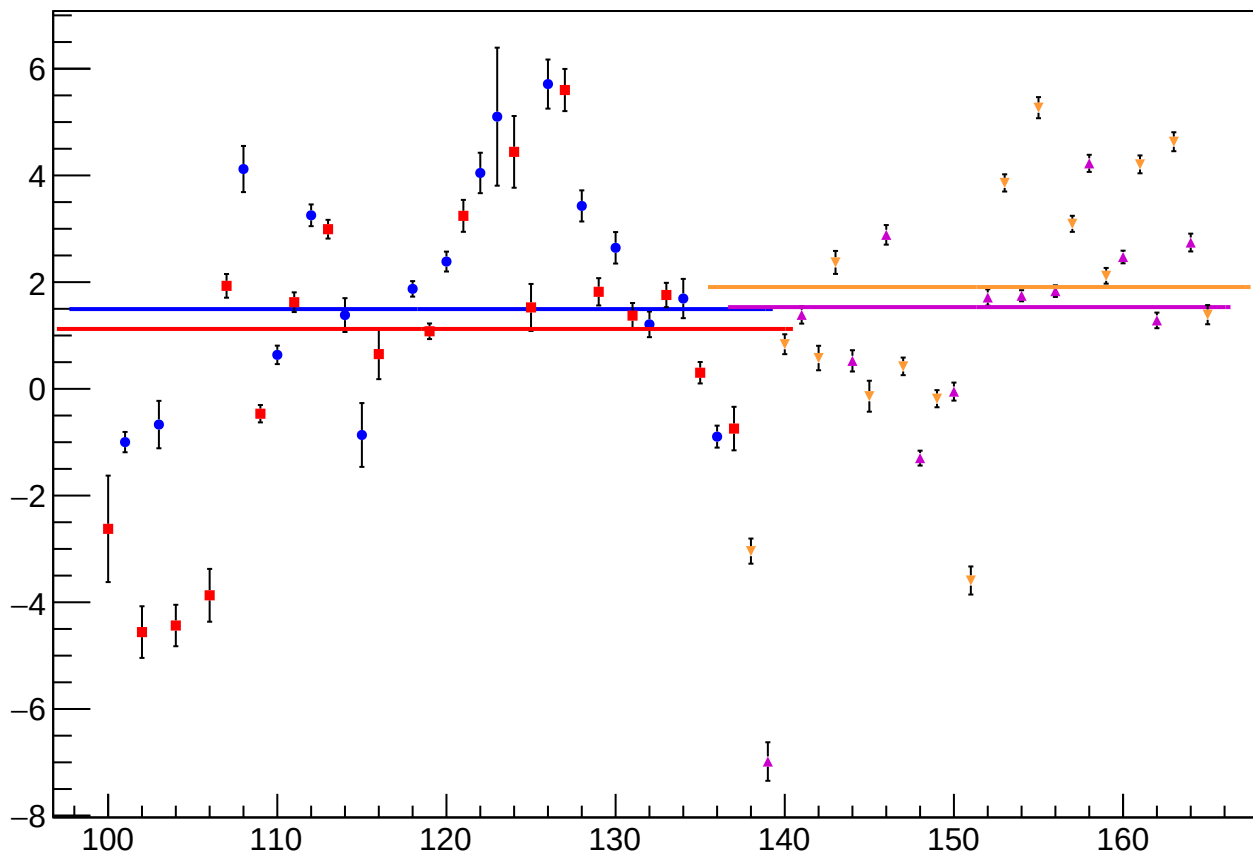
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.950+/-0.057 χ^2/NDF :37852.3/12

Out: -25.075+/-0.065 χ^2/NDF :56717.8/14

All: -21.619+/-0.043 χ^2/NDF : 99526.3/27

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.495 $\pm$ 0.061 χ^2 /NDF: 708.8/16

Left Out: 1.908 $\pm$ 0.048 χ^2 /NDF:2182.4/14

Right Out: 1.123 $\pm$ 0.058 χ^2 /NDF: 946.5/18

Left In: 1.532 $\pm$ 0.041 χ^2 /NDF:1549.2/12

Left: 1.692 $\pm$ 0.031 χ^2 /NDF: 3767.6/27

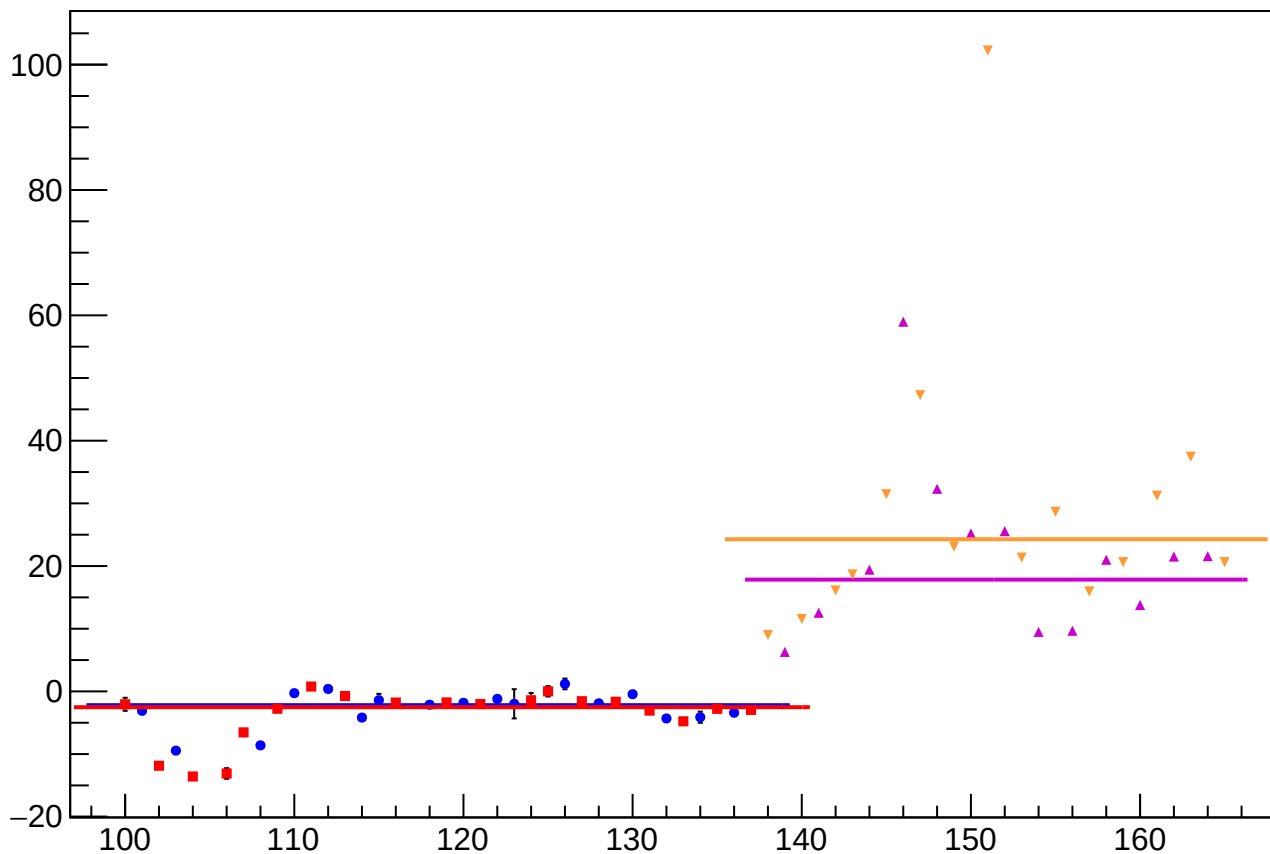
Right: 1.300 $\pm$ 0.042 χ^2 /NDF: 1674.8/35

In: 1.521 $\pm$ 0.034 χ^2 /NDF:2258.3/29

Out: 1.594 $\pm$ 0.037 χ^2 /NDF:3238.1/33

All: 1.554 $\pm$ 0.025 χ^2 /NDF: 5498.6/63

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: 24.278 ± 0.064 χ^2/NDF : 50830.3/14

Right Out: -2.520 ± 0.099 χ^2/NDF : 903.3/18

Left In: 17.834 ± 0.055 χ^2/NDF : 35711.9/12

Left: 20.584 ± 0.042 χ^2/NDF : 92368.2/27

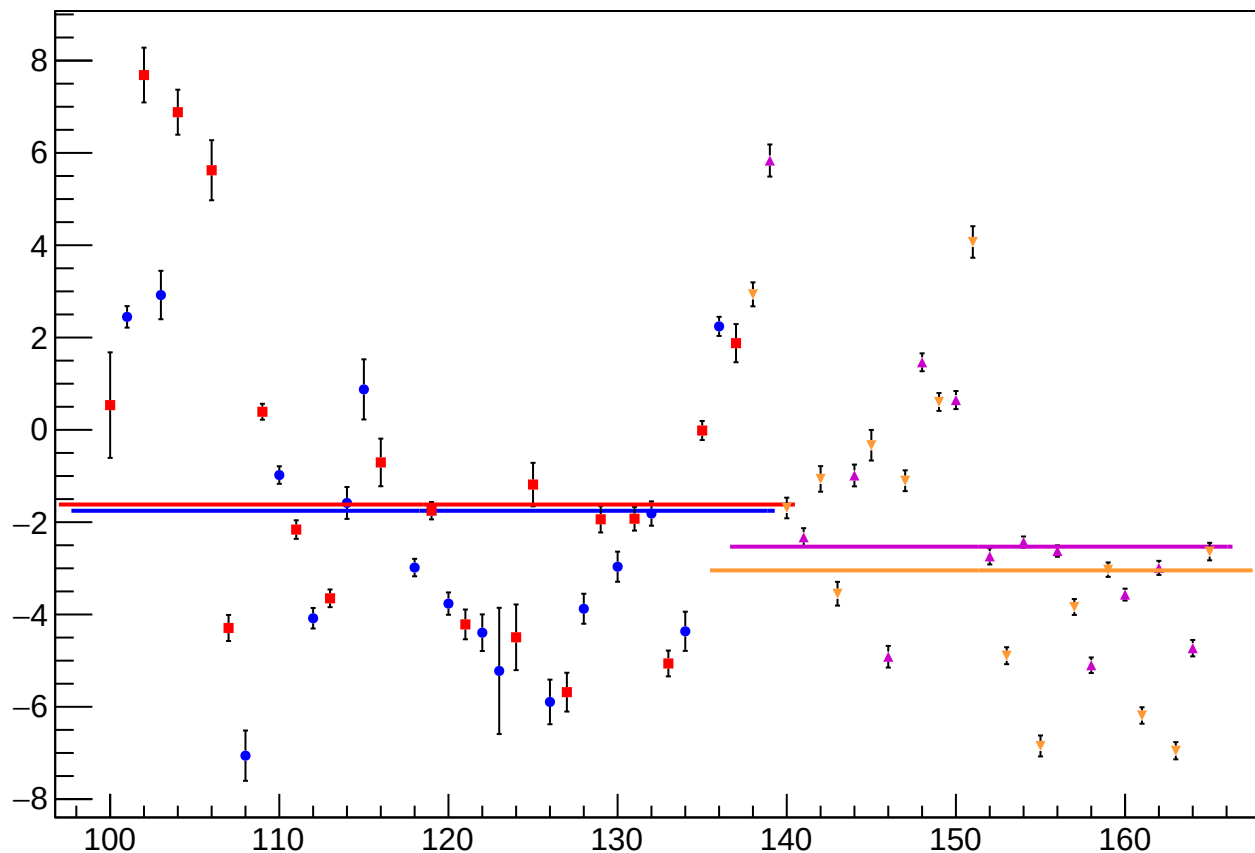
Right: -2.378 ± 0.074 χ^2/NDF : 1368.9/35

In: 13.844 ± 0.049 χ^2/NDF : 62457.8/29

Out: 16.387 ± 0.054 χ^2/NDF : 103482.3/33

All: 15.009 ± 0.036 χ^2/NDF : 167155.9/63

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: -3.045 ± 0.054 $\chi^2/\text{NDF}: 2711.3/14$

Right Out: -1.617 ± 0.066 $\chi^2/\text{NDF}: 1487.5/18$

Left In: -2.531 ± 0.047 $\chi^2/\text{NDF}: 1874.3/12$

Left: -2.749 ± 0.035 $\chi^2/\text{NDF}: 4637.1/27$

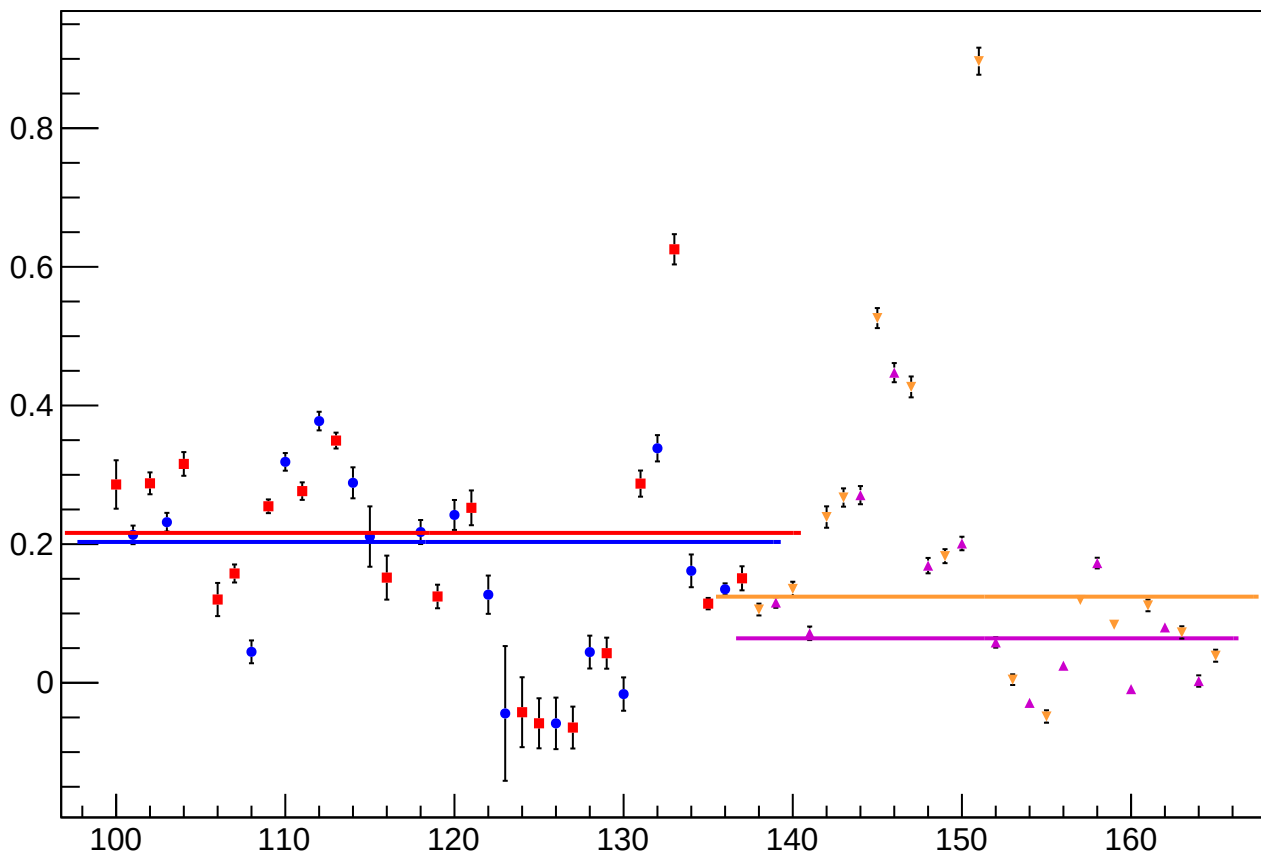
Right: -1.681 ± 0.048 $\chi^2/\text{NDF}: 2834.6/35$

In: -2.294 ± 0.039 $\chi^2/\text{NDF}: 3304.4/29$

Out: -2.465 ± 0.042 $\chi^2/\text{NDF}: 4479.1/33$

All: -2.373 ± 0.028 $\chi^2/\text{NDF}: 7792.6/63$

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: 0.124 ± 0.002 χ^2/NDF : 3731.7/14

Right Out: 0.216 ± 0.004 χ^2/NDF : 1067.3/18

Left In: 0.064 ± 0.002 χ^2/NDF : 2182.3/12

Left: 0.089 ± 0.002 χ^2/NDF : 6268.9/27

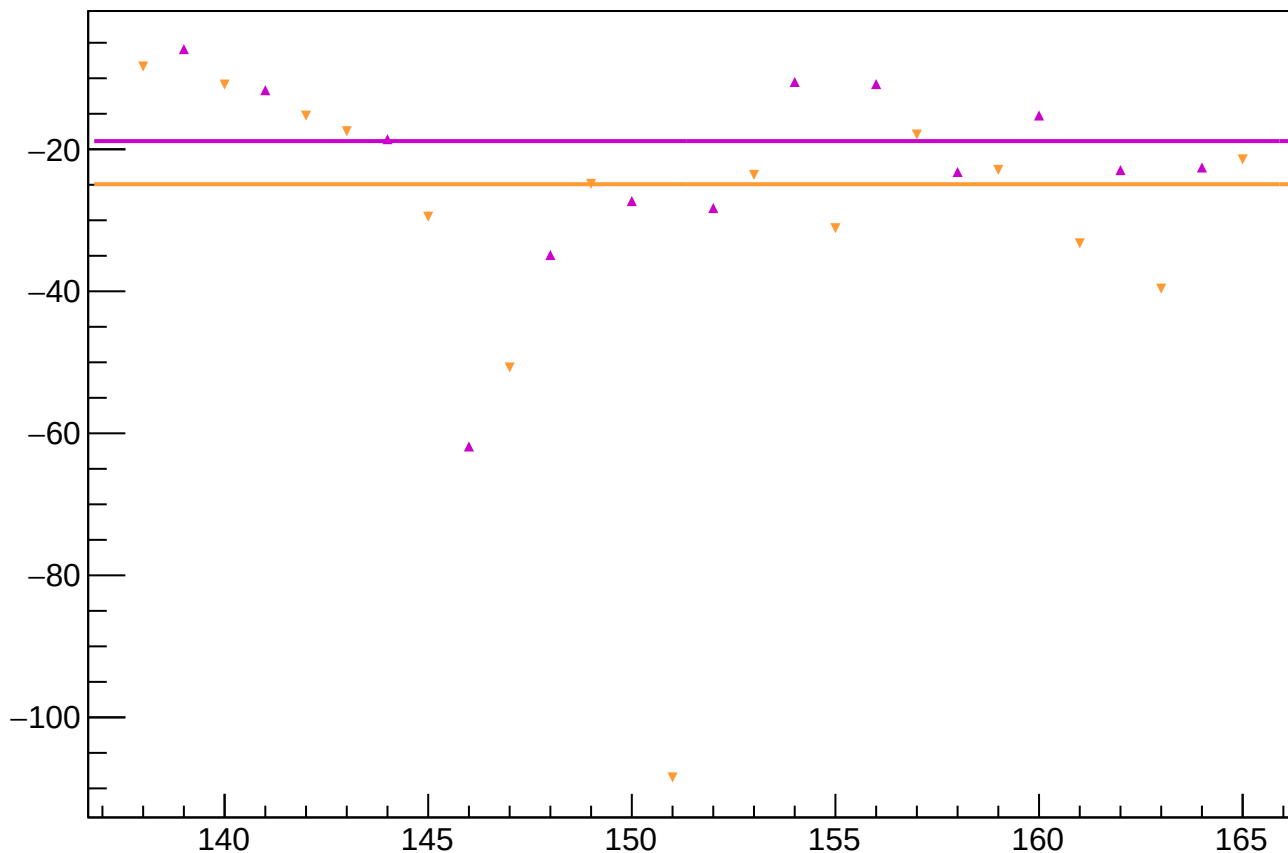
Right: 0.210 ± 0.003 χ^2/NDF : 1750.0/35

In: 0.091 ± 0.002 χ^2/NDF : 3768.9/29

Out: 0.152 ± 0.002 χ^2/NDF : 5229.5/33

All: 0.119 ± 0.001 χ^2/NDF : 9492.2/63

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: -24.924+/-0.065 χ^2/NDF :56532.5/14

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

Left In: -18.848+/-0.057 χ^2/NDF :37764.7/12

Left: -21.496+/-0.043 χ^2/NDF : 99234.3/27

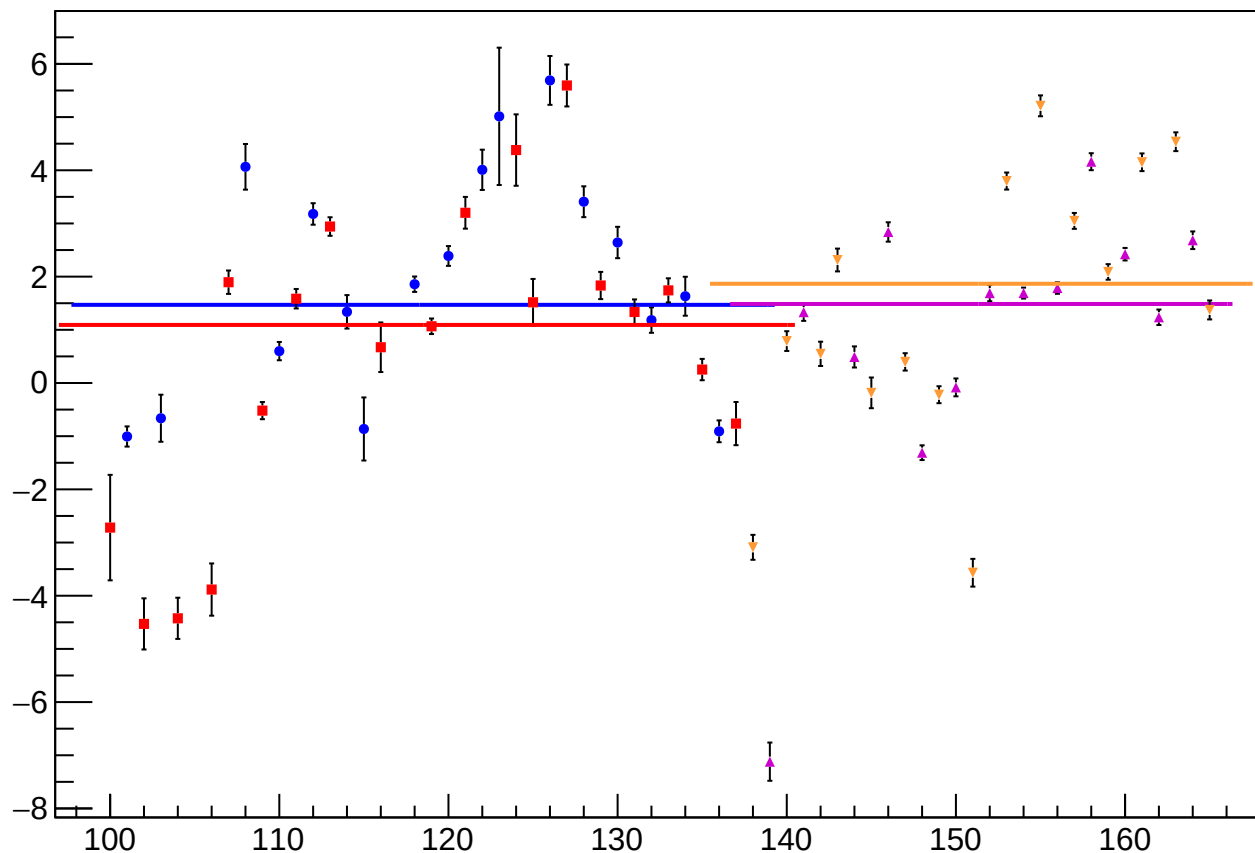
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.848+/-0.057 χ^2/NDF :37764.7/12

Out: -24.924+/-0.065 χ^2/NDF :56532.5/14

All: -21.496+/-0.043 χ^2/NDF : 99234.3/27

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.470 $\pm$ 0.061 χ^2/NDF : 707.9/16

Left Out: 1.866 $\pm$ 0.047 χ^2/NDF :2181.2/14

Right Out: 1.092 $\pm$ 0.058 χ^2/NDF : 952.1/18

Left In: 1.486 $\pm$ 0.041 χ^2/NDF :1561.0/12

Left: 1.647 $\pm$ 0.031 χ^2/NDF : 3779.3/27

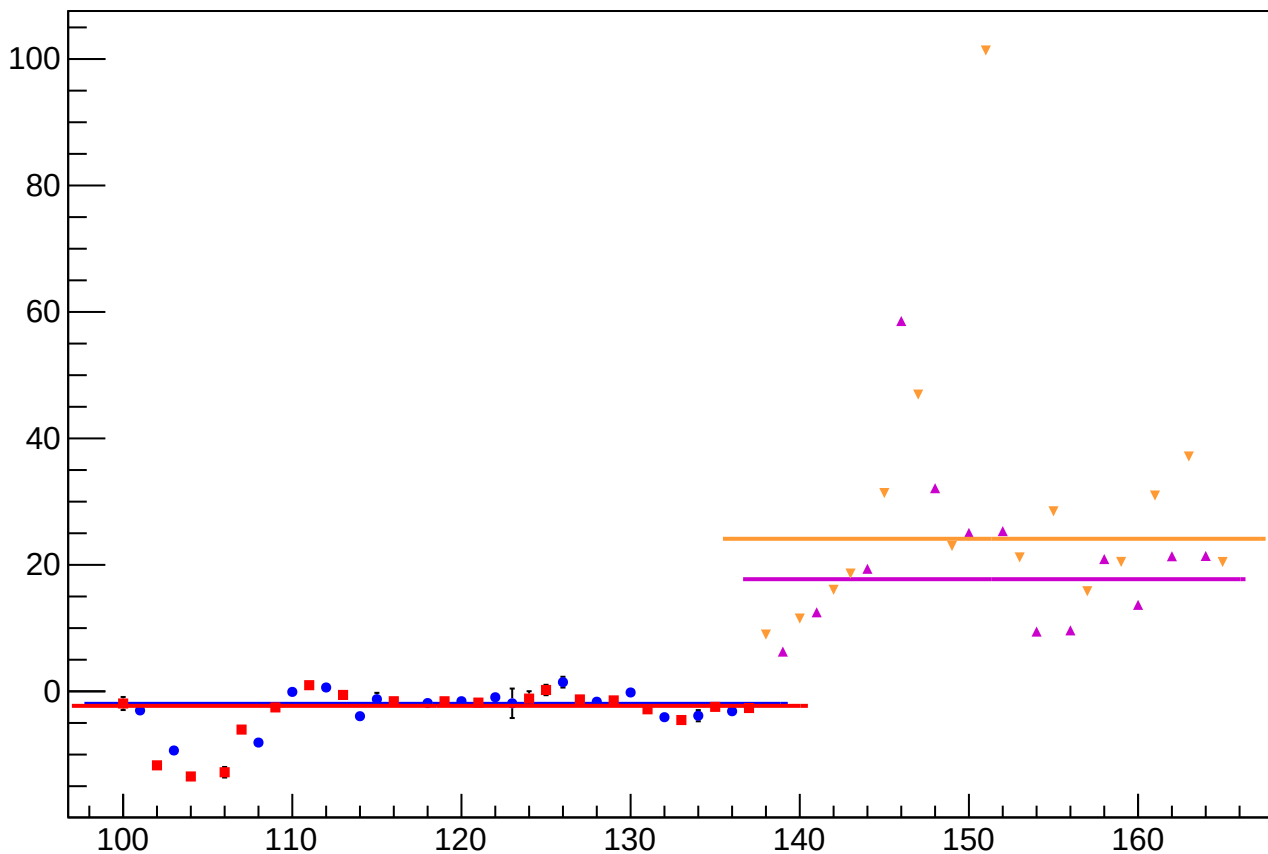
Right: 1.272 $\pm$ 0.042 χ^2/NDF : 1680.2/35

In: 1.481 $\pm$ 0.034 χ^2/NDF :2268.9/29

Out: 1.557 $\pm$ 0.037 χ^2/NDF :3240.4/33

All: 1.516 $\pm$ 0.025 χ^2/NDF : 5511.6/63

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: 24.126 ± 0.064 χ^2/NDF : 50692.2/14

Right Out: -2.294 ± 0.098 χ^2/NDF : 906.6/18

Left In: 17.737 ± 0.055 χ^2/NDF : 35640.7/12

Left: 20.464 ± 0.041 χ^2/NDF : 92132.5/27

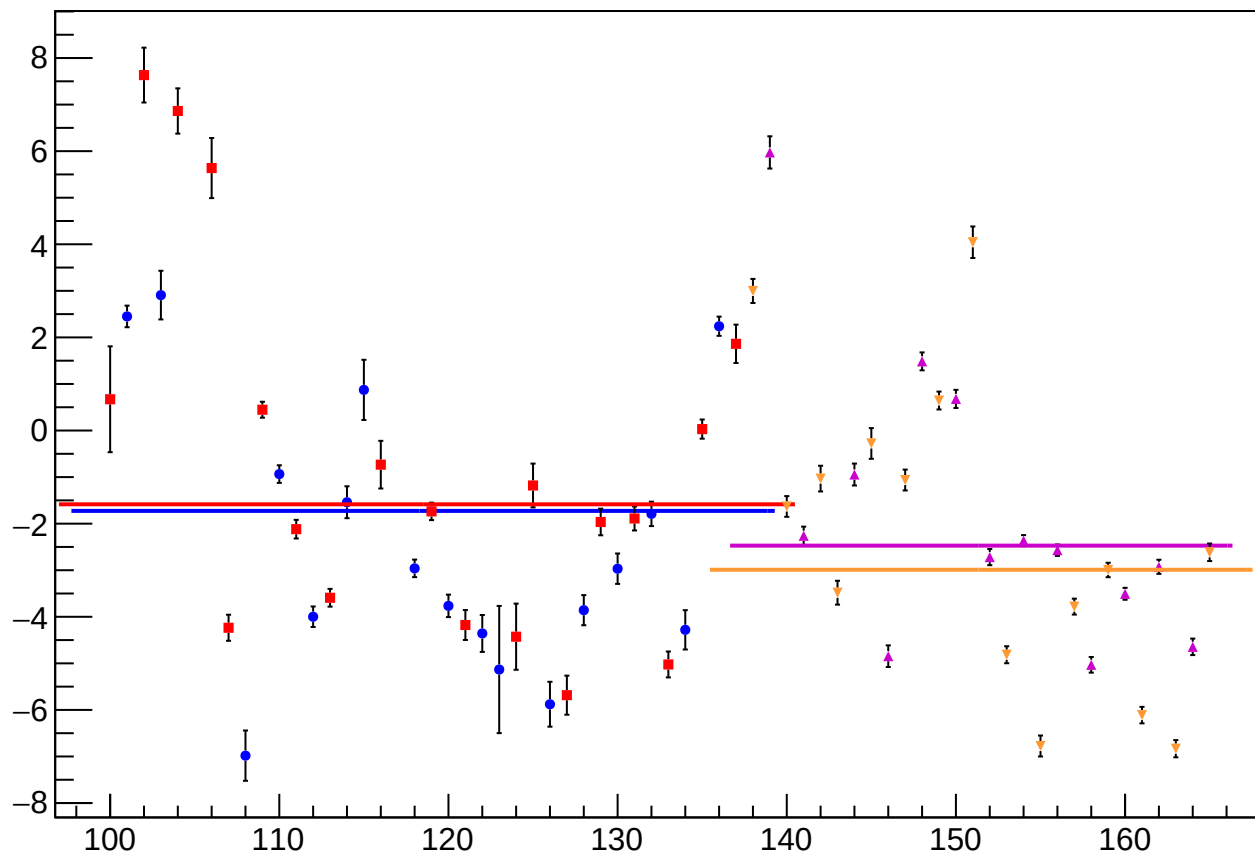
Right: -2.153 ± 0.073 χ^2/NDF : 1375.0/35

In: 13.817 ± 0.049 χ^2/NDF : 61818.0/29

Out: 16.358 ± 0.053 χ^2/NDF : 102467.2/33

All: 14.981 ± 0.036 χ^2/NDF : 165513.7/63

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.726 ± 0.070 χ^2/NDF : 1341.5/16

Left Out: -2.990 ± 0.054 χ^2/NDF : 2708.8/14

Right Out: -1.584 ± 0.065 χ^2/NDF : 1492.8/18

Left In: -2.472 ± 0.046 χ^2/NDF : 1887.9/12

Left: -2.692 ± 0.035 χ^2/NDF : 4649.8/27

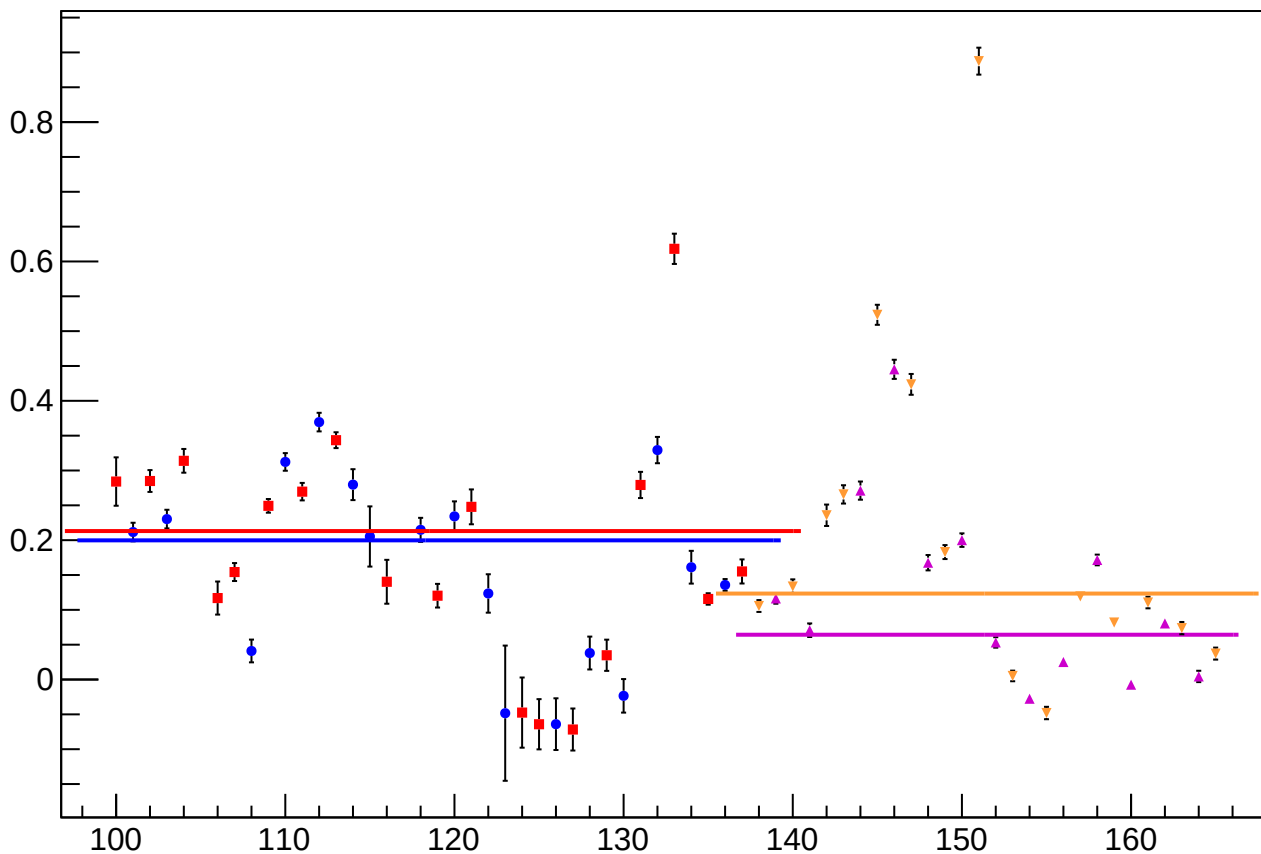
Right: -1.650 ± 0.048 χ^2/NDF : 2836.5/35

In: -2.245 ± 0.039 χ^2/NDF : 3308.5/29

Out: -2.421 ± 0.042 χ^2/NDF : 4476.3/33

All: -2.326 ± 0.028 χ^2/NDF : 7794.3/63

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: 0.123 ± 0.002 χ^2/NDF : 3726.6/14

Right Out: 0.213 ± 0.004 χ^2/NDF : 1050.9/18

Left In: 0.064 ± 0.002 χ^2/NDF : 2173.3/12

Left: 0.089 ± 0.002 χ^2/NDF : 6247.2/27

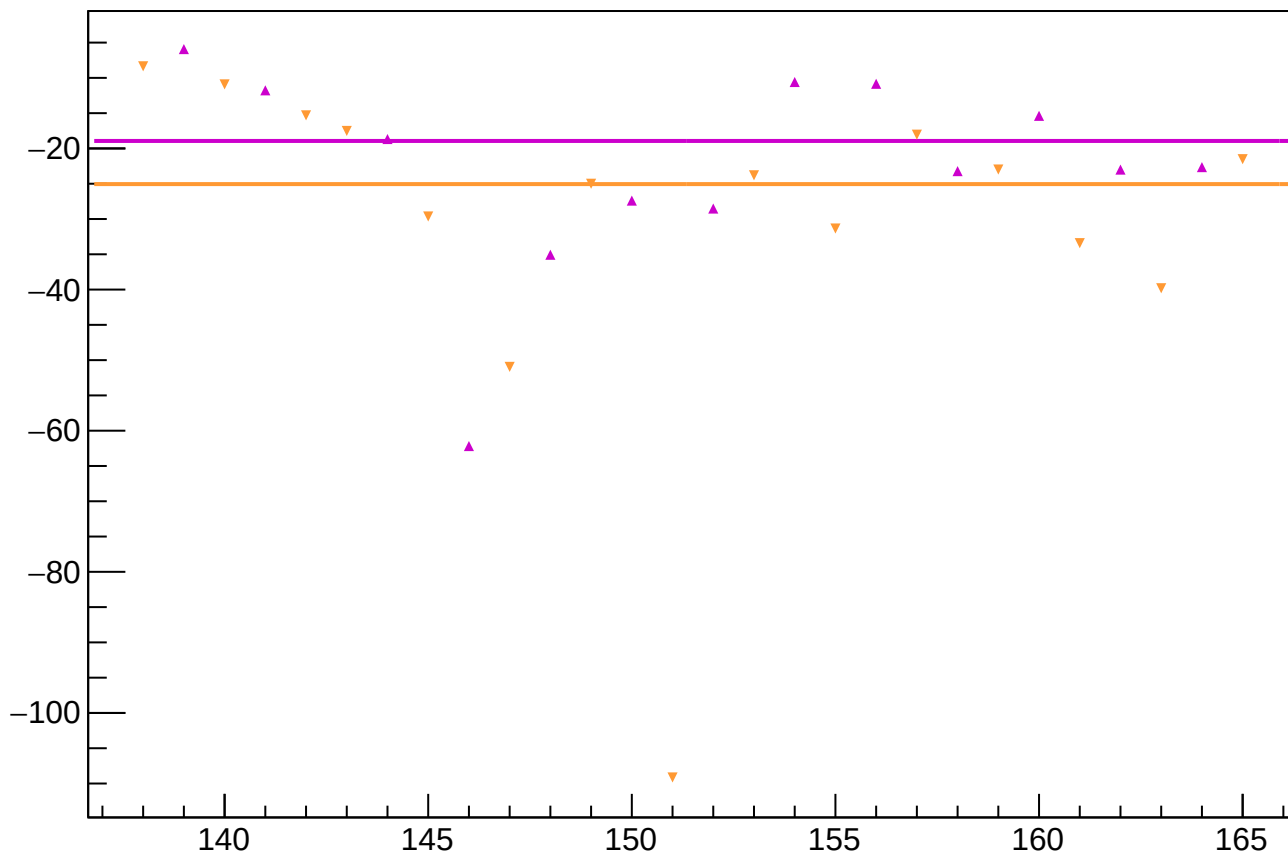
Right: 0.207 ± 0.003 χ^2/NDF : 1719.2/35

In: 0.091 ± 0.002 χ^2/NDF : 3708.1/29

Out: 0.151 ± 0.002 χ^2/NDF : 5191.6/33

All: 0.118 ± 0.001 χ^2/NDF : 9382.7/63

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.053+/-0.065 χ^2/NDF :56660.3/14

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

Left In: -18.938+/-0.057 χ^2/NDF :37821.9/12

Left: -21.602+/-0.043 χ^2/NDF : 99444.5/27

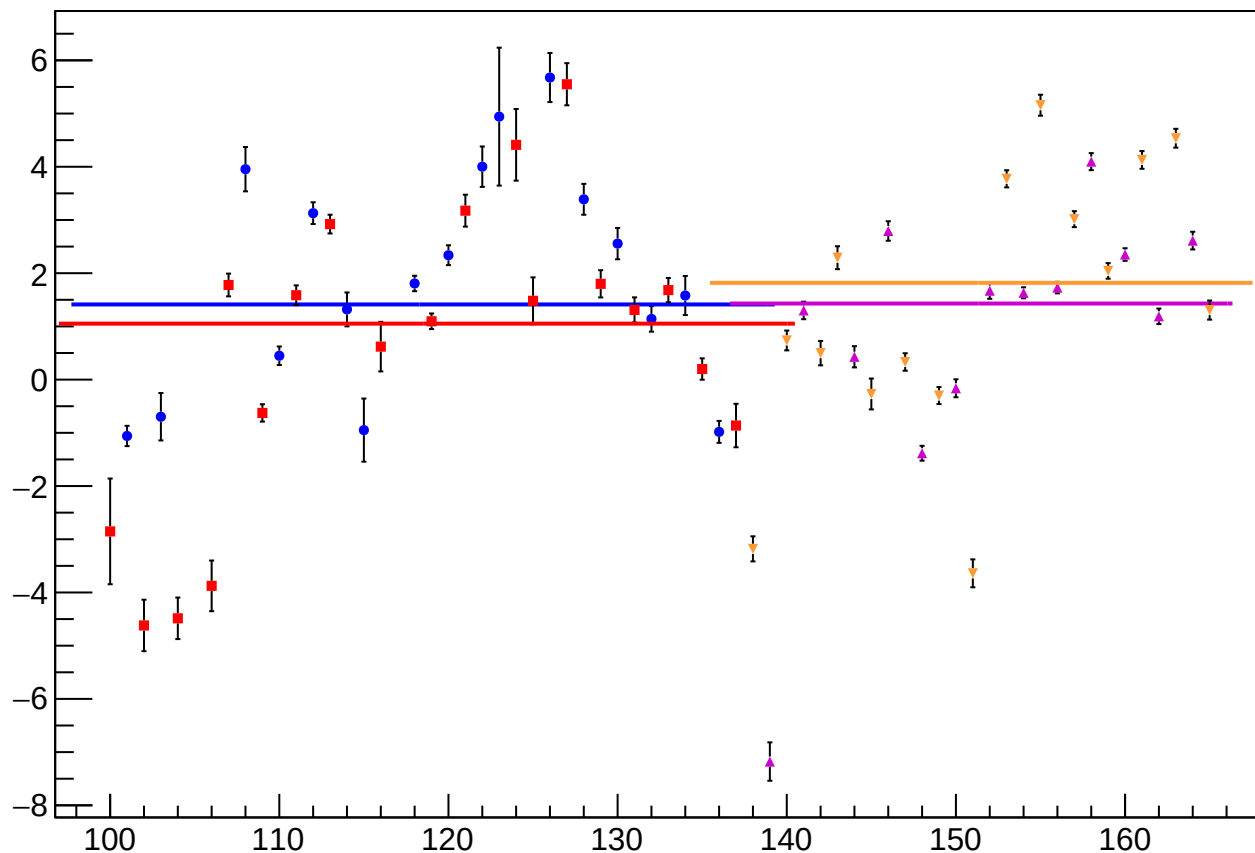
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.938+/-0.057 χ^2/NDF :37821.9/12

Out: -25.053+/-0.065 χ^2/NDF :56660.3/14

All: -21.602+/-0.043 χ^2/NDF : 99444.5/27

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.413 $\pm$ 0.061 χ^2 /NDF: 713.9/16

Left Out: 1.819 $\pm$ 0.047 χ^2 /NDF:2200.2/14

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 963.3/18

Left In: 1.430 $\pm$ 0.041 χ^2 /NDF:1553.0/12

Left: 1.595 $\pm$ 0.031 χ^2 /NDF: 3791.9/27

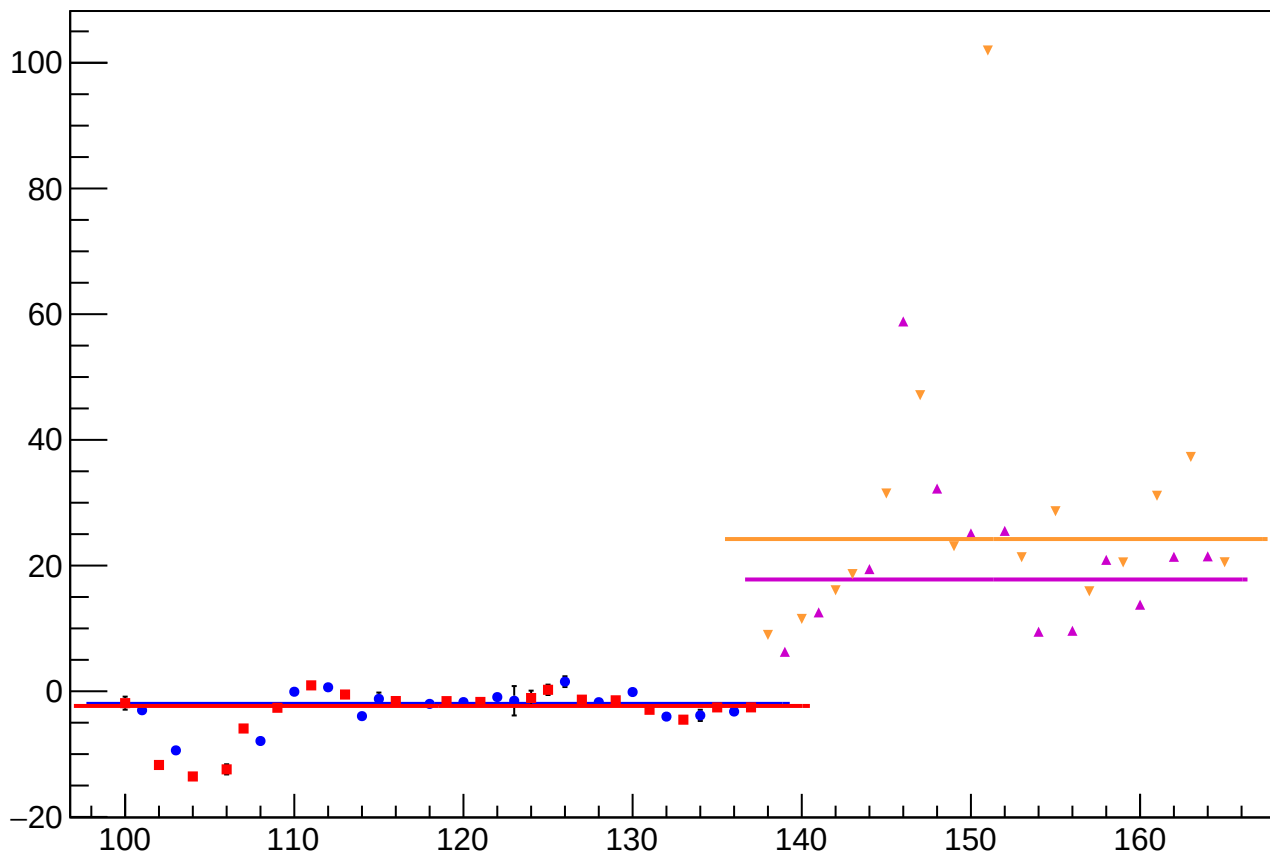
Right: 1.223 $\pm$ 0.042 χ^2 /NDF: 1695.5/35

In: 1.425 $\pm$ 0.034 χ^2 /NDF:2266.9/29

Out: 1.512 $\pm$ 0.037 χ^2 /NDF:3268.1/33

All: 1.465 $\pm$ 0.025 χ^2 /NDF: 5538.1/63

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: 24.220 ± 0.064 χ^2/NDF : 50801.2/14

Right Out: -2.336 ± 0.099 χ^2/NDF : 901.2/18

Left In: 17.787 ± 0.055 χ^2/NDF : 35707.5/12

Left: 20.531 ± 0.042 χ^2/NDF : 92343.3/27

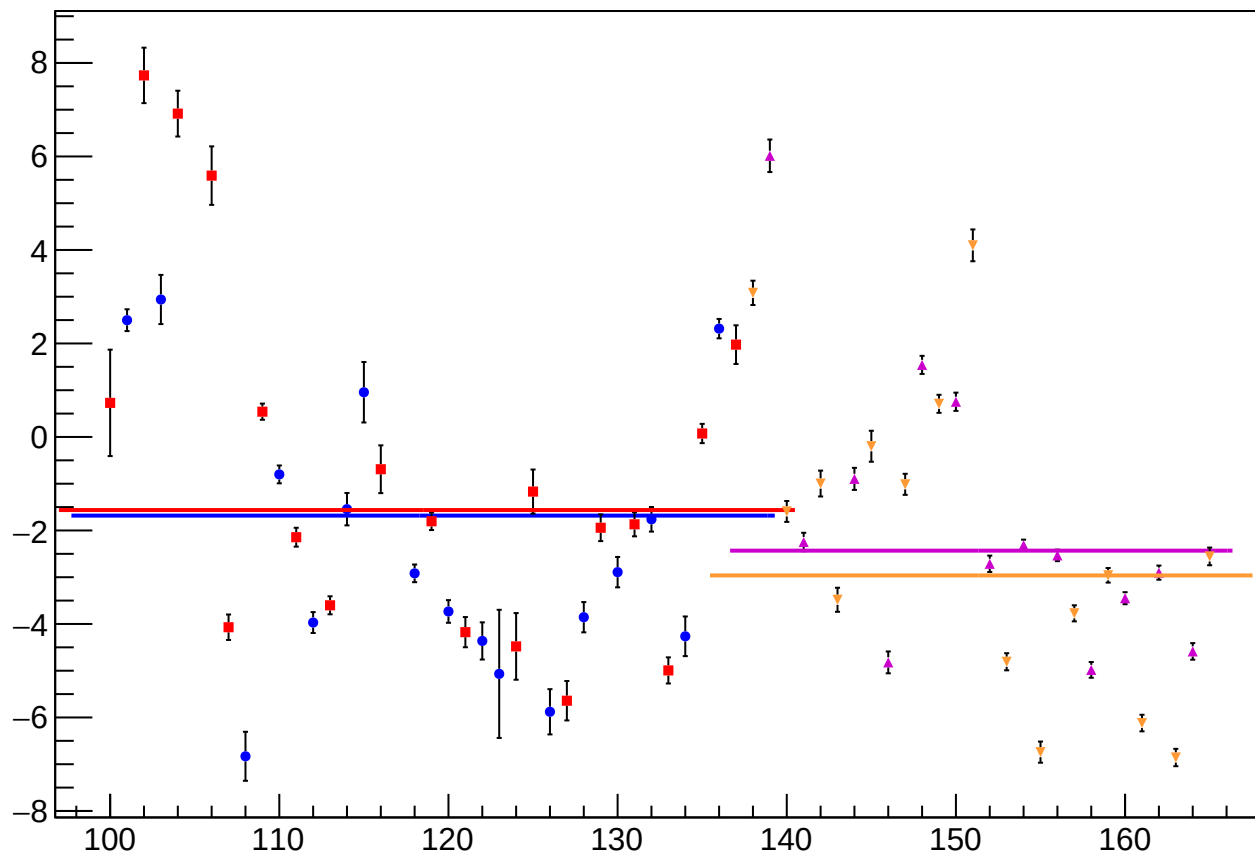
Right: -2.190 ± 0.074 χ^2/NDF : 1369.4/35

In: 13.863 ± 0.049 χ^2/NDF : 61837.2/29

Out: 16.421 ± 0.054 χ^2/NDF : 102616.1/33

All: 15.034 ± 0.036 χ^2/NDF : 165688.4/63

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.682 ± 0.070 $\chi^2/\text{NDF}: 1347.8/16$

Left Out: -2.962 ± 0.054 $\chi^2/\text{NDF}: 2734.2/14$

Right Out: -1.563 ± 0.066 $\chi^2/\text{NDF}: 1504.7/18$

Left In: -2.432 ± 0.046 $\chi^2/\text{NDF}: 1879.7/12$

Left: -2.656 ± 0.035 $\chi^2/\text{NDF}: 4669.0/27$

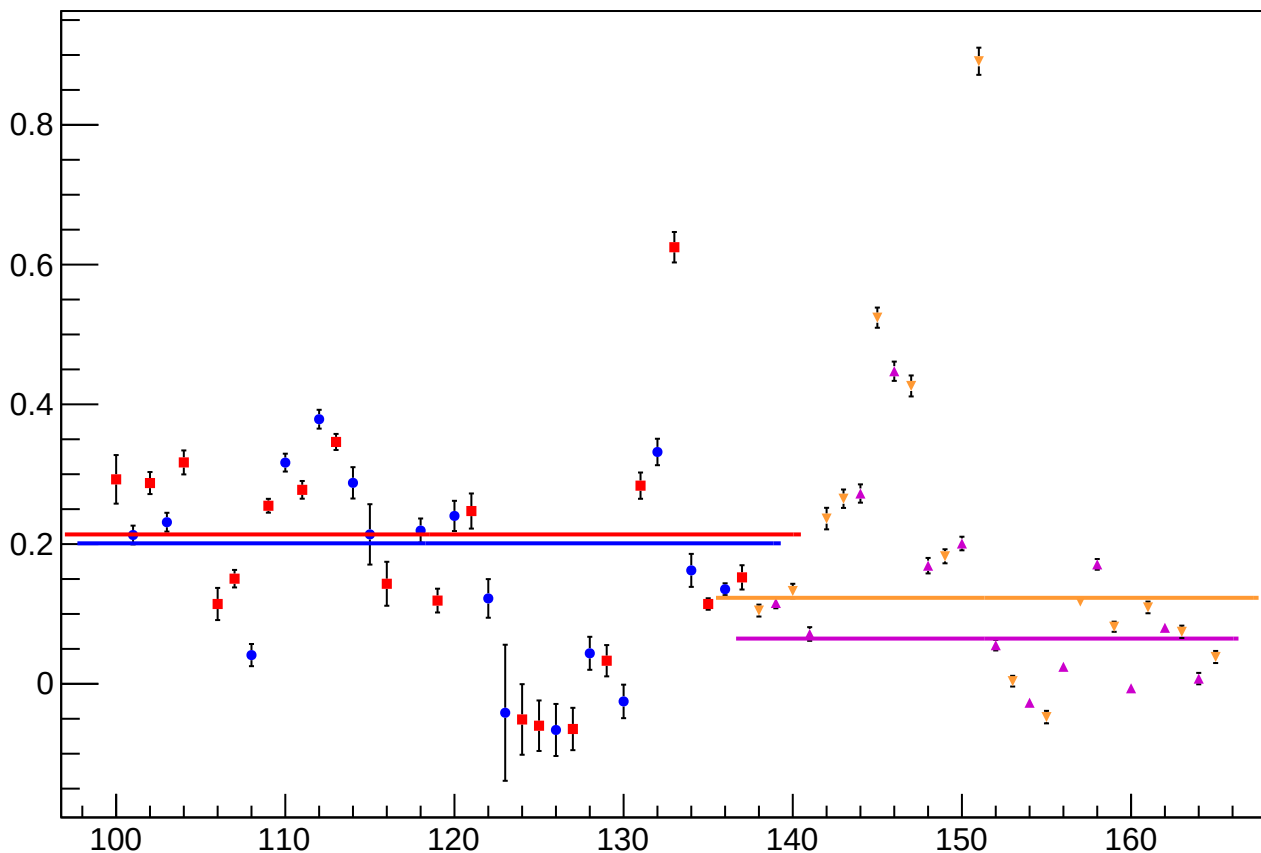
Right: -1.619 ± 0.048 $\chi^2/\text{NDF}: 2854.1/35$

In: -2.204 ± 0.039 $\chi^2/\text{NDF}: 3306.7/29$

Out: -2.395 ± 0.042 $\chi^2/\text{NDF}: 4508.7/33$

All: -2.292 ± 0.028 $\chi^2/\text{NDF}: 7826.6/63$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



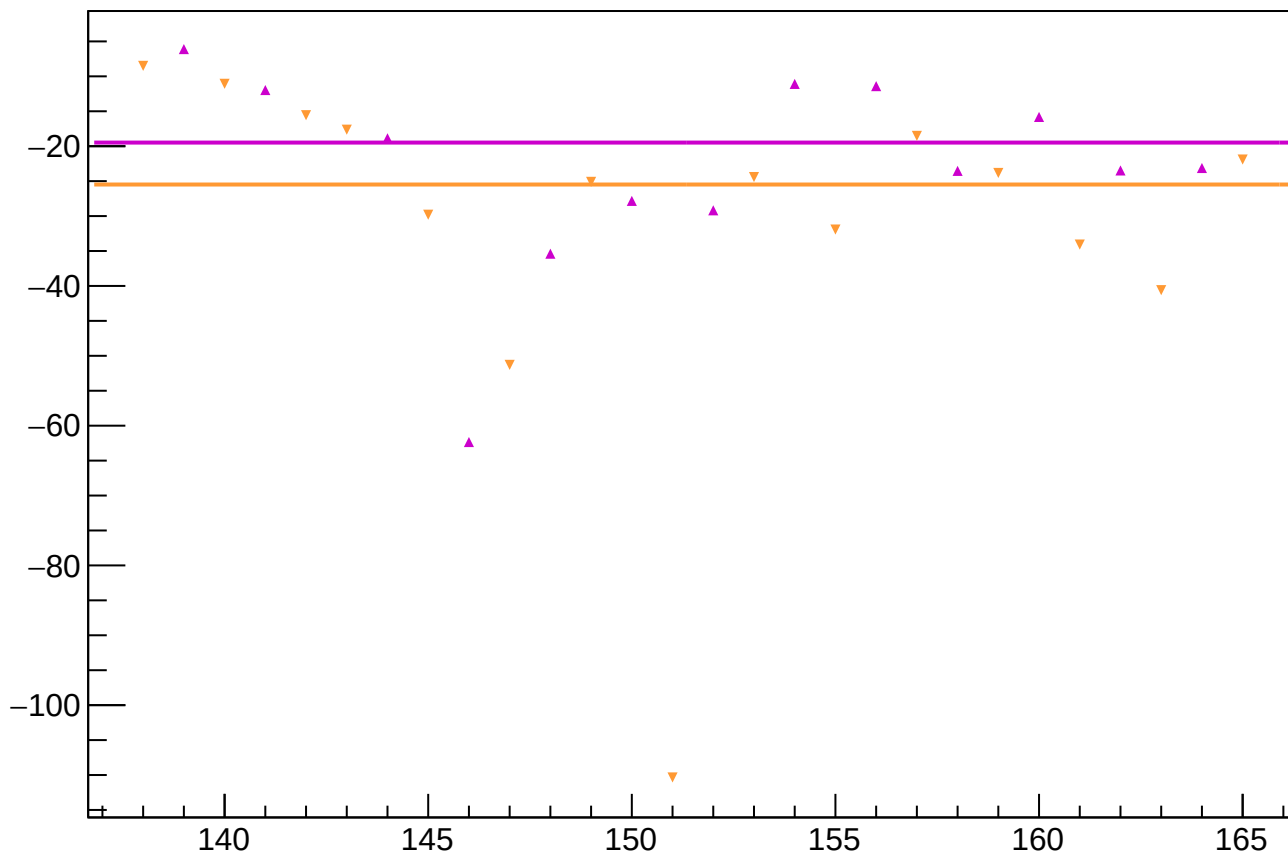
Left: 0.089 $\pm$ 0.002 χ^2/NDF : 6208.9/27
 Right: 0.208 $\pm$ 0.003 χ^2/NDF : 1779.7/35

Right In: 0.201 $\pm$ 0.004 χ^2/NDF : 691.3/16
 Left Out: 0.123 $\pm$ 0.002 χ^2/NDF : 3714.1/14
 Right Out: 0.214 $\pm$ 0.004 χ^2/NDF : 1083.1/18
 Left In: 0.065 $\pm$ 0.002 χ^2/NDF : 2158.8/12

In: 0.091 $\pm$ 0.002 χ^2/NDF : 3727.5/29
 Out: 0.151 $\pm$ 0.002 χ^2/NDF : 5218.7/33

All: 0.118 $\pm$ 0.001 χ^2/NDF : 9417.8/63

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.483+/-0.066 χ^2/NDF :56583.9/14

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

Left In: -19.481+/-0.059 χ^2/NDF :36703.2/12

Left: -22.117+/-0.044 χ^2/NDF : 97881.9/27

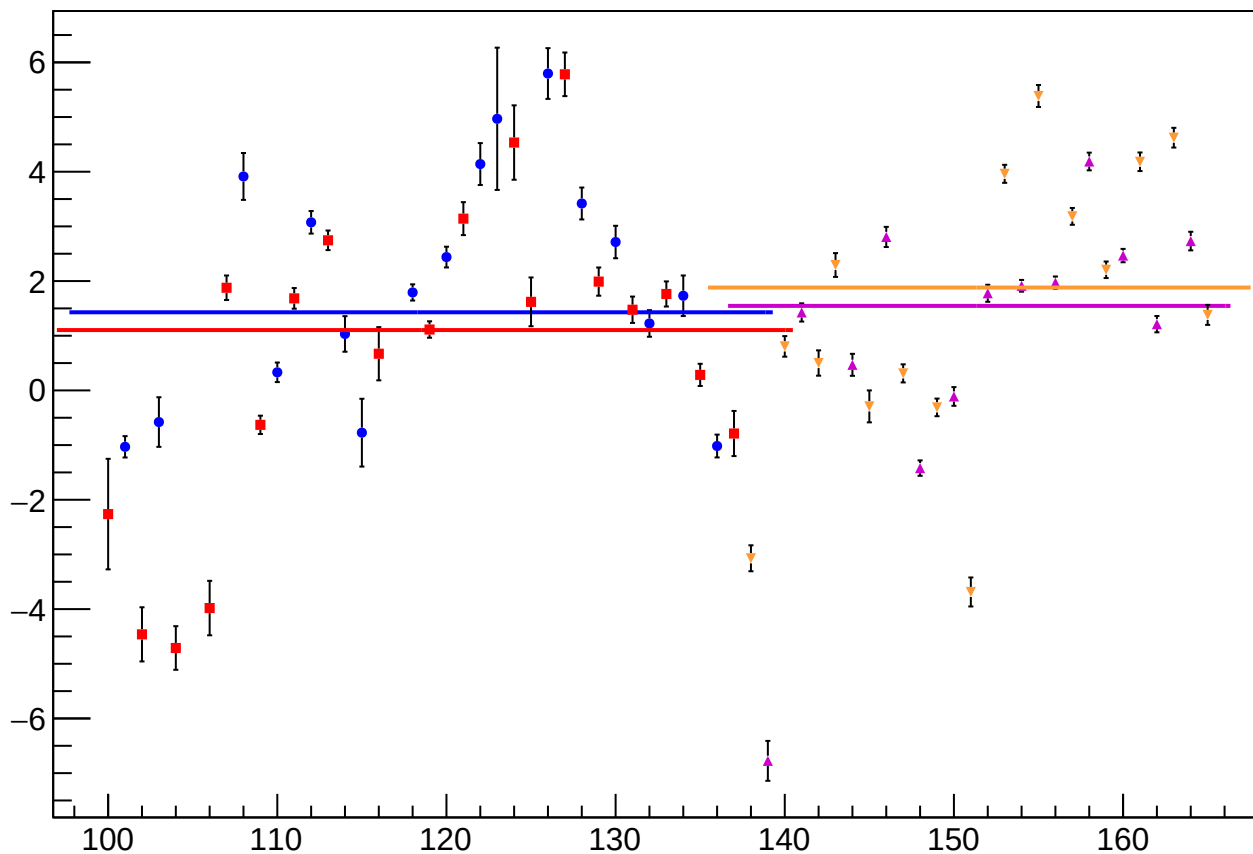
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.481+/-0.059 χ^2/NDF :36703.2/12

Out: -25.483+/-0.066 χ^2/NDF :56583.9/14

All: -22.117+/-0.044 χ^2/NDF : 97881.9/27

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.429 ± 0.062 $\chi^2/\text{NDF}: 711.4/16$

Left Out: 1.881 ± 0.048 $\chi^2/\text{NDF}: 2238.6/14$

Right Out: 1.104 ± 0.059 $\chi^2/\text{NDF}: 936.5/18$

Left In: 1.546 ± 0.042 $\chi^2/\text{NDF}: 1539.1/12$

Left: 1.690 ± 0.032 $\chi^2/\text{NDF}: 3805.3/27$

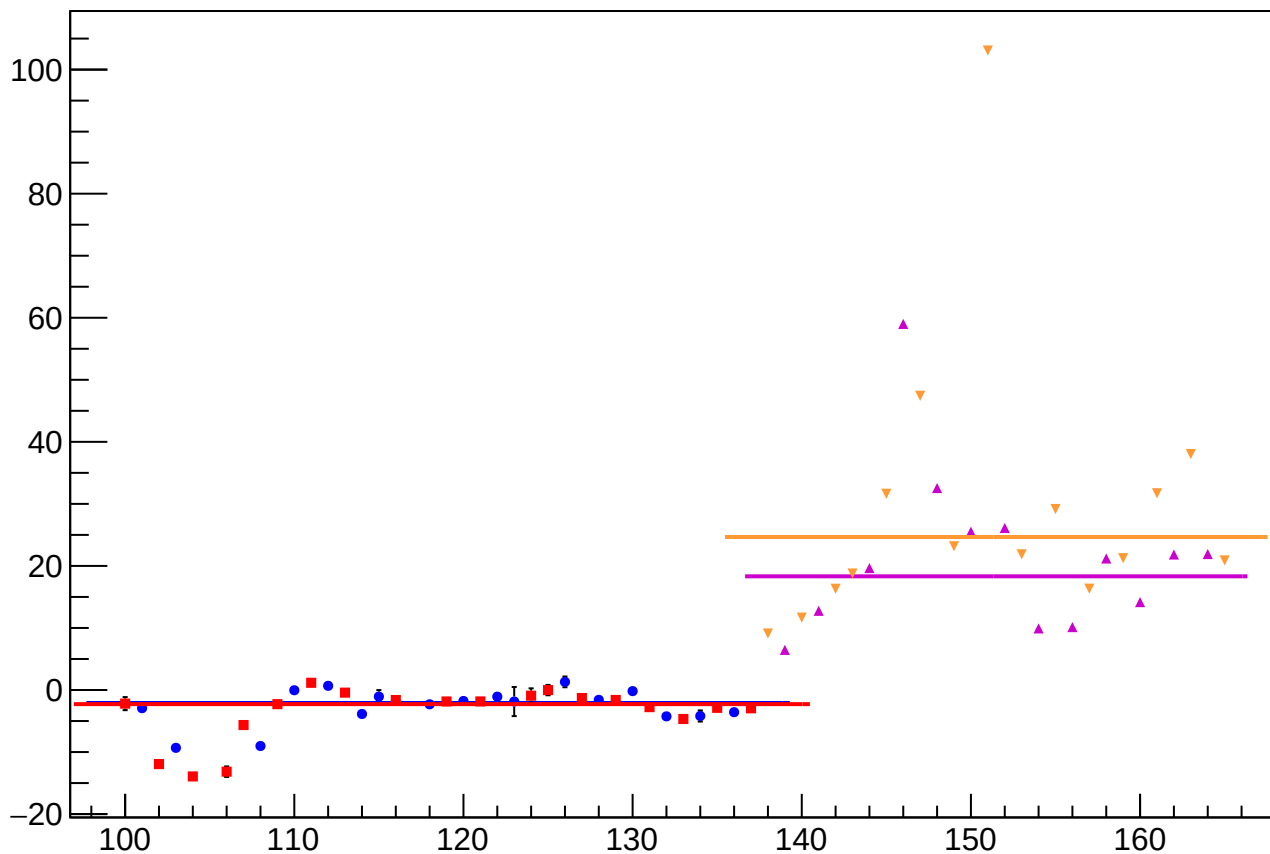
Right: 1.259 ± 0.043 $\chi^2/\text{NDF}: 1662.3/35$

In: 1.510 ± 0.035 $\chi^2/\text{NDF}: 2253.0/29$

Out: 1.572 ± 0.037 $\chi^2/\text{NDF}: 3278.6/33$

All: 1.538 ± 0.025 $\chi^2/\text{NDF}: 5533.1/63$

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: 24.663 ± 0.065 χ^2/NDF : 50580.3/14

Right Out: -2.278 ± 0.101 χ^2/NDF : 918.6/18

Left In: 18.325 ± 0.056 χ^2/NDF : 34493.3/12

Left: 21.052 ± 0.043 χ^2/NDF : 90507.5/27

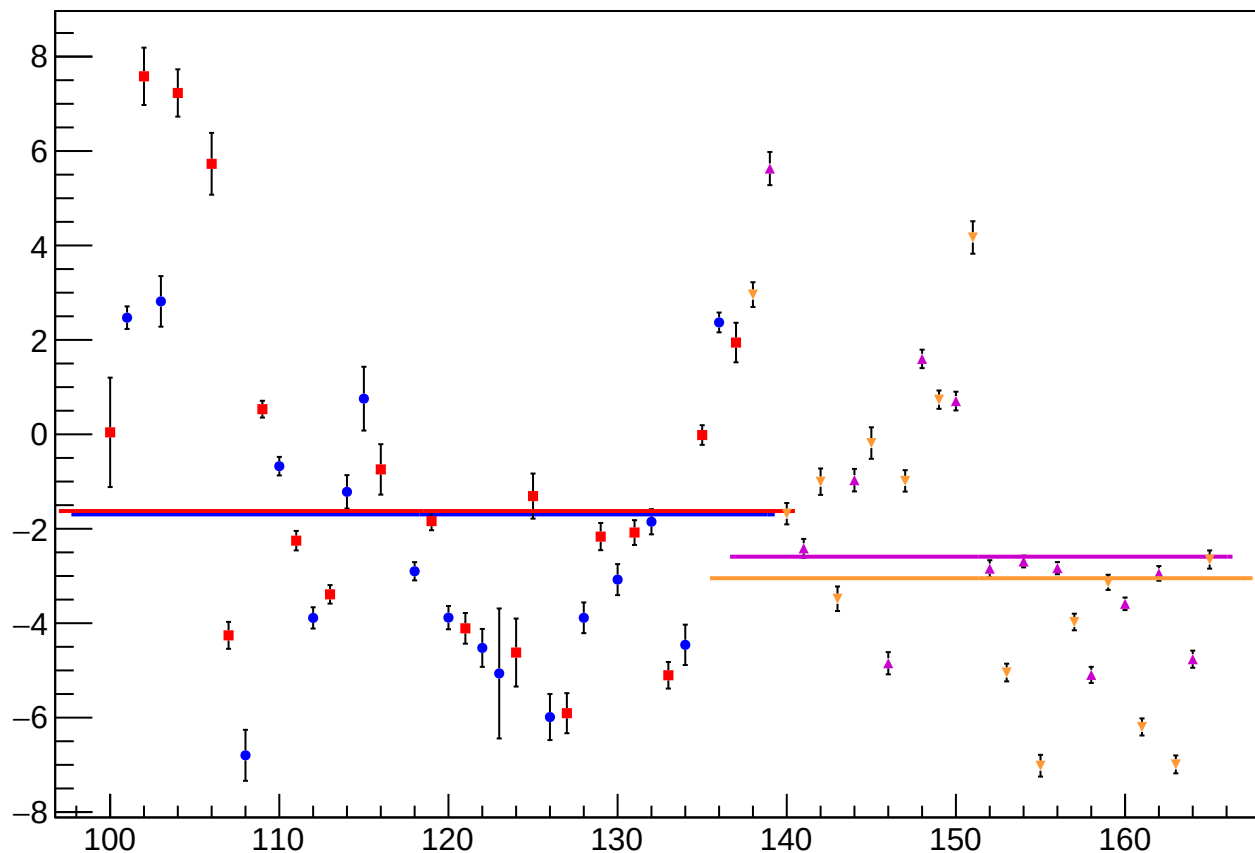
Right: -2.196 ± 0.075 χ^2/NDF : 1406.6/35

In: 14.230 ± 0.050 χ^2/NDF : 61273.8/29

Out: 16.791 ± 0.055 χ^2/NDF : 101850.5/33

All: 15.409 ± 0.037 χ^2/NDF : 164311.6/63

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.696 ± 0.072 $\chi^2/\text{NDF}: 1333.3/16$

Left Out: -3.047 ± 0.055 $\chi^2/\text{NDF}: 2771.9/14$

Right Out: -1.624 ± 0.067 $\chi^2/\text{NDF}: 1467.3/18$

Left In: -2.591 ± 0.048 $\chi^2/\text{NDF}: 1849.3/12$

Left: -2.786 ± 0.036 $\chi^2/\text{NDF}: 4660.3/27$

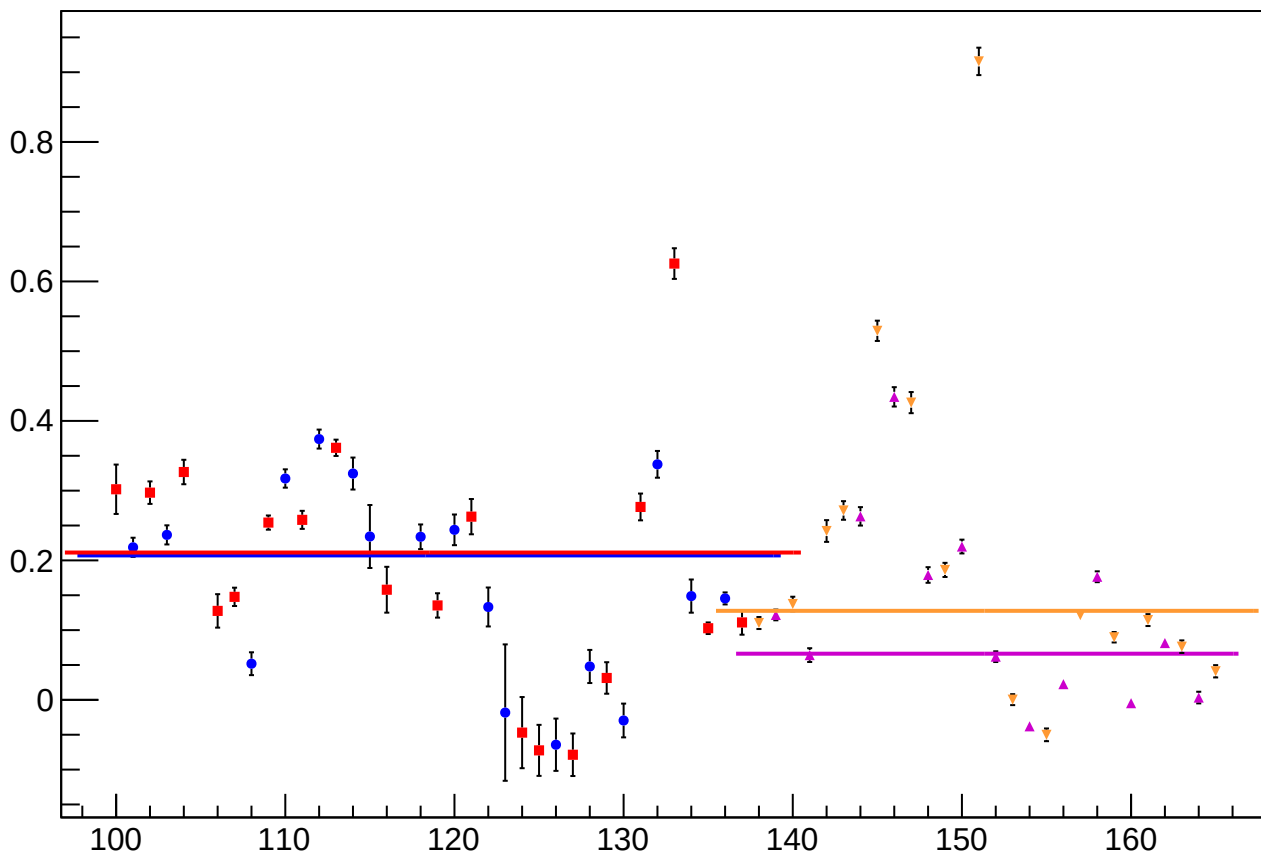
Right: -1.658 ± 0.049 $\chi^2/\text{NDF}: 2801.2/35$

In: -2.316 ± 0.040 $\chi^2/\text{NDF}: 3291.2/29$

Out: -2.472 ± 0.043 $\chi^2/\text{NDF}: 4508.1/33$

All: -2.389 ± 0.029 $\chi^2/\text{NDF}: 7806.4/63$

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: 0.128 $\pm$ 0.002 χ^2/NDF :3764.7/14

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.7/18

Left In: 0.066 $\pm$ 0.002 χ^2/NDF :2205.8/12

Left: 0.092 $\pm$ 0.002 χ^2/NDF : 6327.8/27

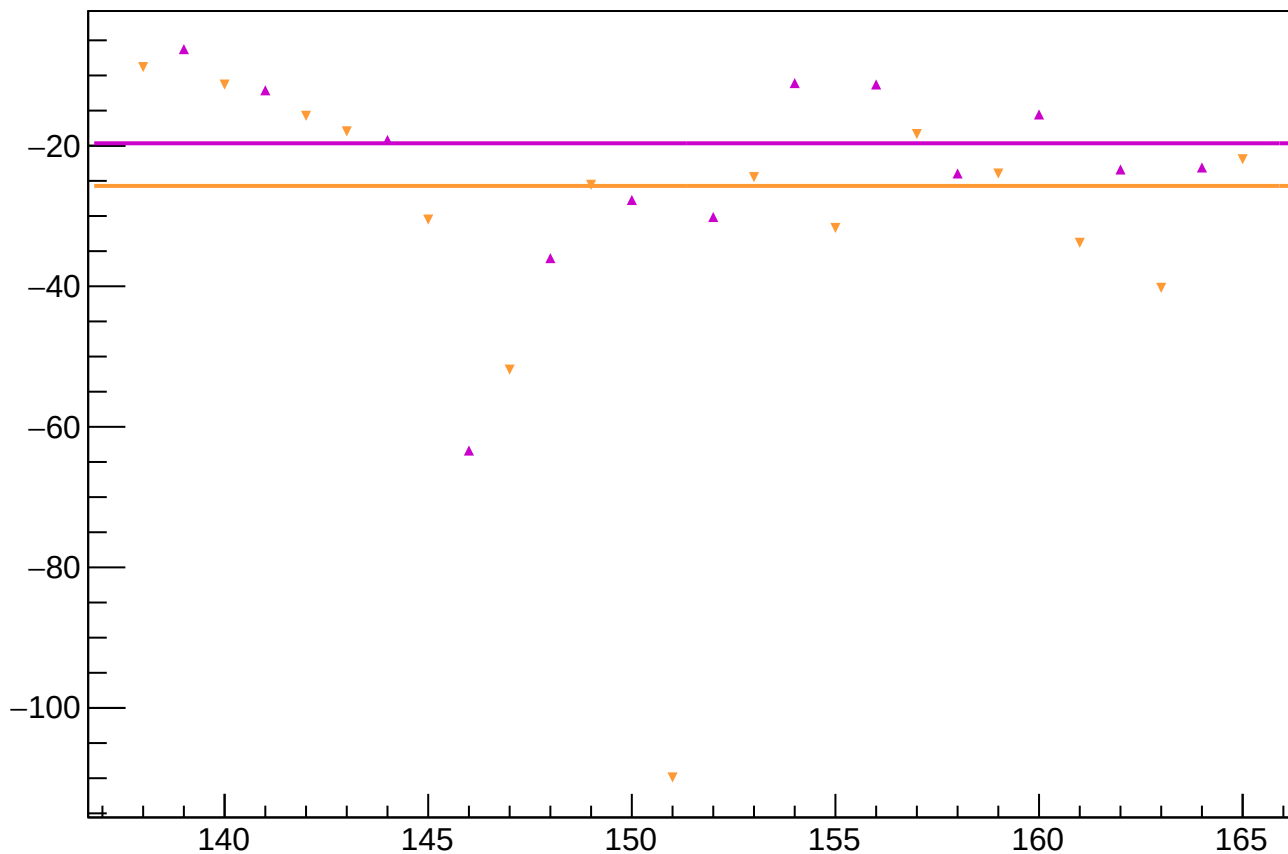
Right: 0.209 $\pm$ 0.003 χ^2/NDF : 1802.5/35

In: 0.094 $\pm$ 0.002 χ^2/NDF :3764.6/29

Out: 0.153 $\pm$ 0.002 χ^2/NDF :5254.3/33

All: 0.121 $\pm$ 0.001 χ^2/NDF : 9464.0/63

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: -25.720+/-0.067 χ^2/NDF :55338.7/14

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

Left In: -19.651+/-0.060 χ^2/NDF :36956.9/12

Left: -22.329+/-0.045 χ^2/NDF : 96875.5/27

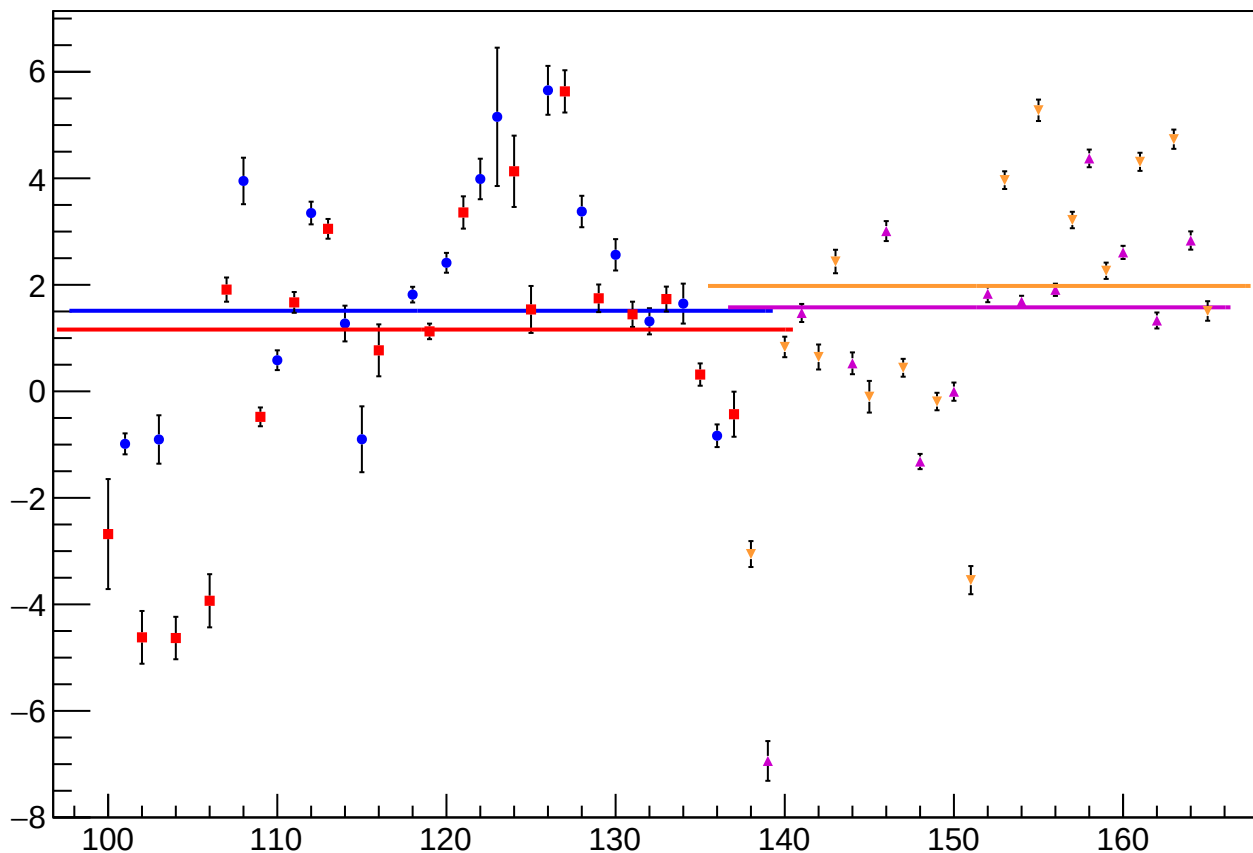
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.651+/-0.060 χ^2/NDF :36956.9/12

Out: -25.720+/-0.067 χ^2/NDF :55338.7/14

All: -22.329+/-0.045 χ^2/NDF : 96875.5/27

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.513 ± 0.063 χ^2/NDF : 669.7/16

Left Out: 1.979 ± 0.049 χ^2/NDF : 2150.3/14

Right Out: 1.160 ± 0.060 χ^2/NDF : 917.0/18

Left In: 1.577 ± 0.042 χ^2/NDF : 1523.9/12

Left: 1.751 ± 0.032 χ^2/NDF : 3712.9/27

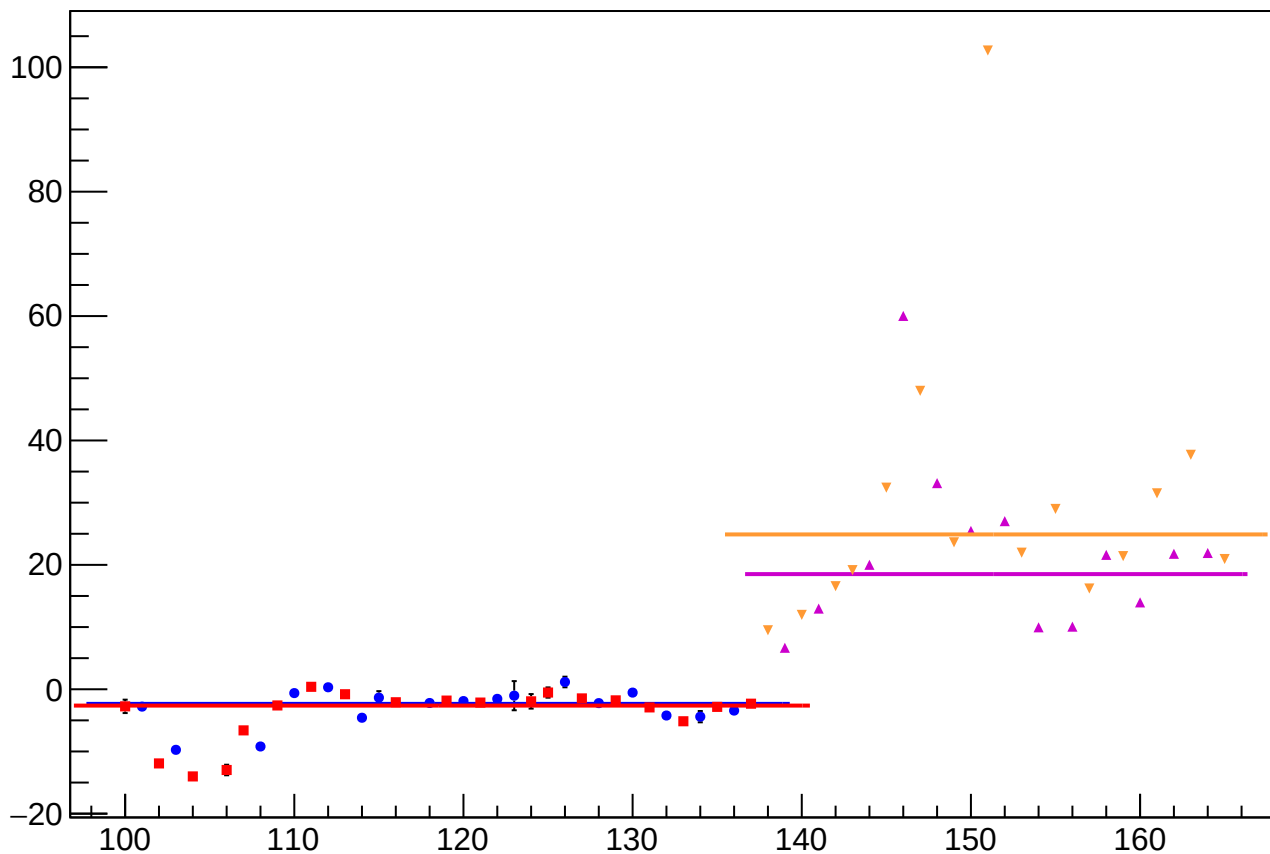
Right: 1.329 ± 0.043 χ^2/NDF : 1603.3/35

In: 1.557 ± 0.035 χ^2/NDF : 2194.4/29

Out: 1.654 ± 0.038 χ^2/NDF : 3179.5/33

All: 1.602 ± 0.026 χ^2/NDF : 5377.4/63

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: 24.894 ± 0.066 $\chi^2/\text{NDF}: 49615.0/14$

Right Out: -2.624 ± 0.103 $\chi^2/\text{NDF}: 840.4/18$

Left In: 18.515 ± 0.057 $\chi^2/\text{NDF}: 34787.4/12$

Left: 21.275 ± 0.043 $\chi^2/\text{NDF}: 89775.7/27$

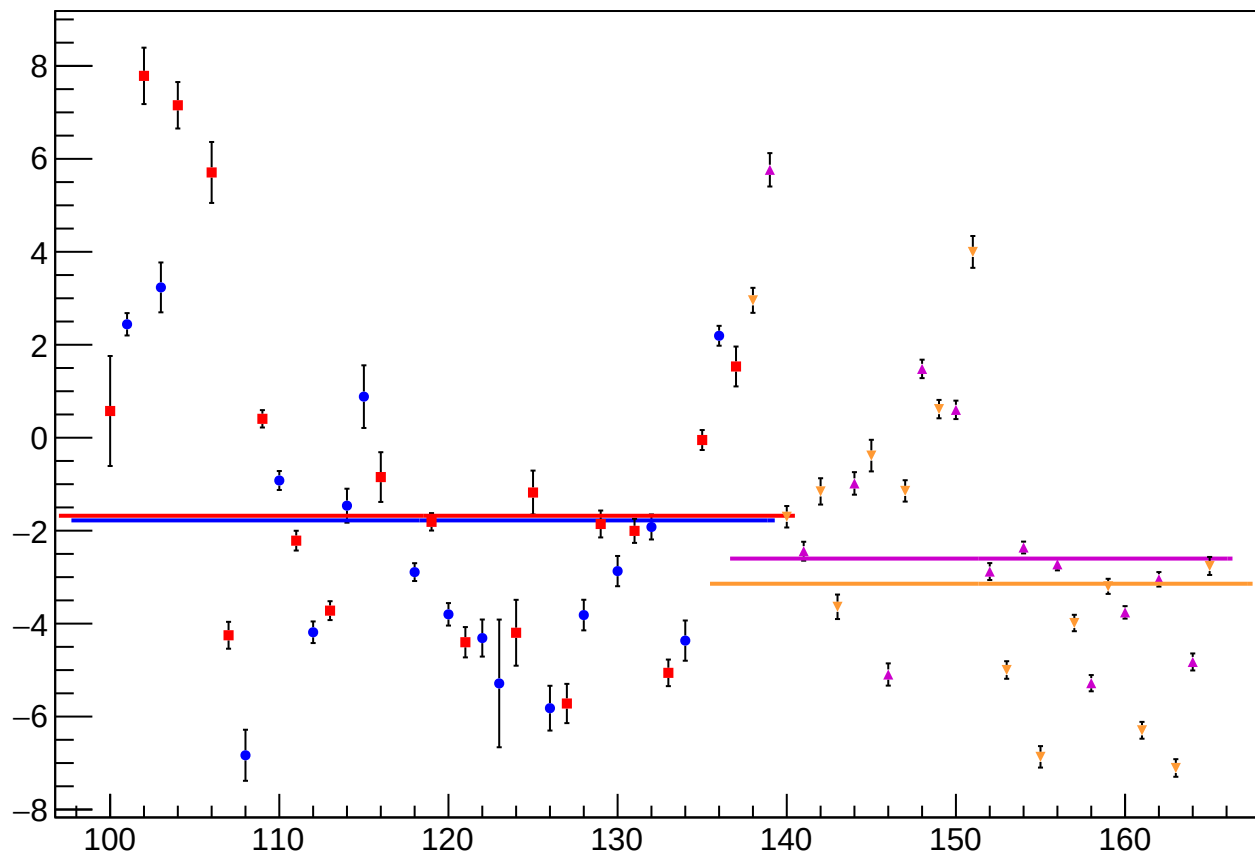
Right: -2.501 ± 0.077 $\chi^2/\text{NDF}: 1283.3/35$

In: 14.331 ± 0.051 $\chi^2/\text{NDF}: 61868.1/29$

Out: 16.988 ± 0.055 $\chi^2/\text{NDF}: 101096.2/33$

All: 15.556 ± 0.038 $\chi^2/\text{NDF}: 164206.1/63$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.779 ± 0.072 χ^2/NDF : 1272.1/16

Left Out: -3.142 ± 0.056 χ^2/NDF : 2665.4/14

Right Out: -1.679 ± 0.068 χ^2/NDF : 1429.6/18

Left In: -2.601 ± 0.048 χ^2/NDF : 1851.6/12

Left: -2.834 ± 0.037 χ^2/NDF : 4570.8/27

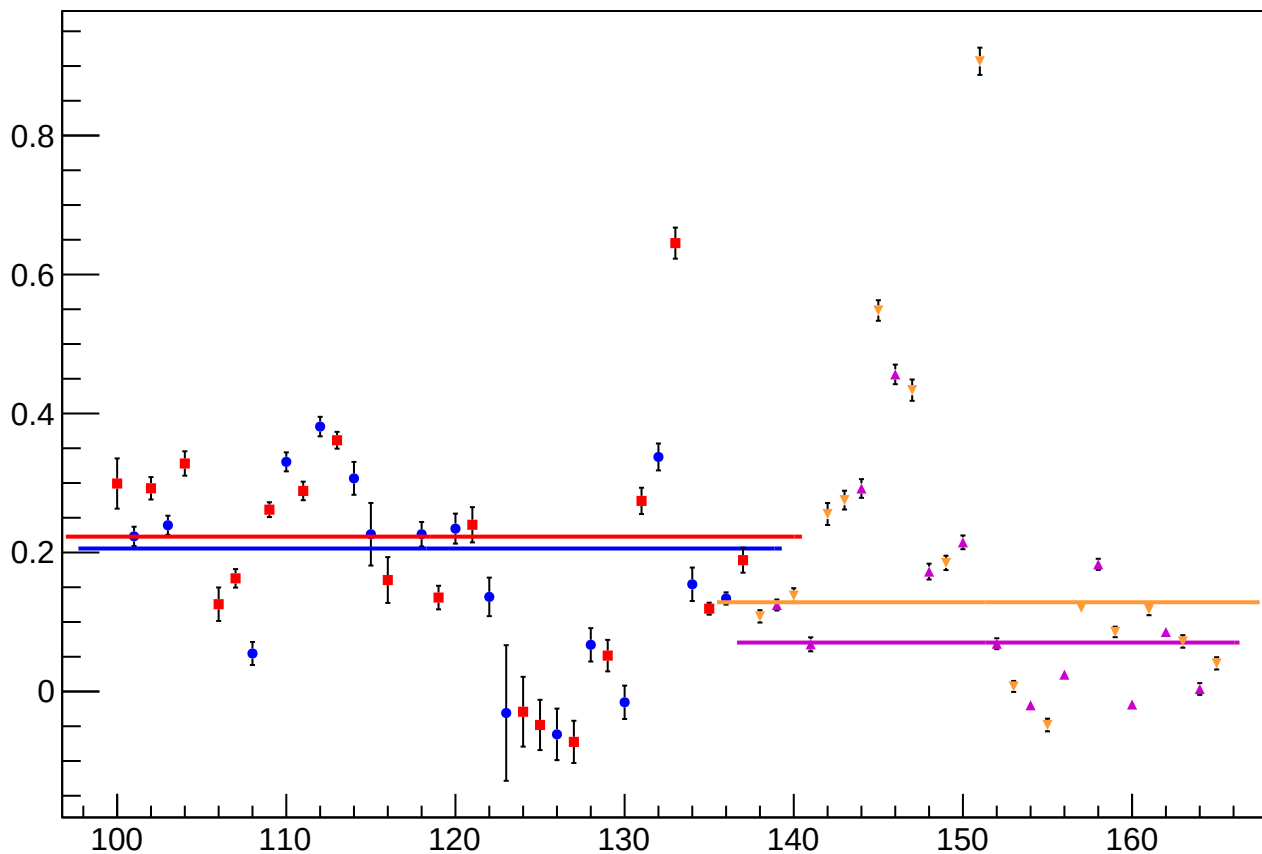
Right: -1.726 ± 0.050 χ^2/NDF : 2702.6/35

In: -2.347 ± 0.040 χ^2/NDF : 3212.9/29

Out: -2.555 ± 0.043 χ^2/NDF : 4371.9/33

All: -2.444 ± 0.029 χ^2/NDF : 7597.3/63

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: 0.128 $\pm$ 0.003 χ^2 /NDF:3780.1/14

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1042.2/18

Left In: 0.070 $\pm$ 0.002 χ^2 /NDF:2210.7/12

Left: 0.095 $\pm$ 0.002 χ^2 /NDF: 6301.3/27

Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1702.9/35

In: 0.097 $\pm$ 0.002 χ^2 /NDF:3671.9/29

Out: 0.157 $\pm$ 0.002 χ^2 /NDF:5246.3/33

All: 0.124 $\pm$ 0.001 χ^2 /NDF: 9357.2/63