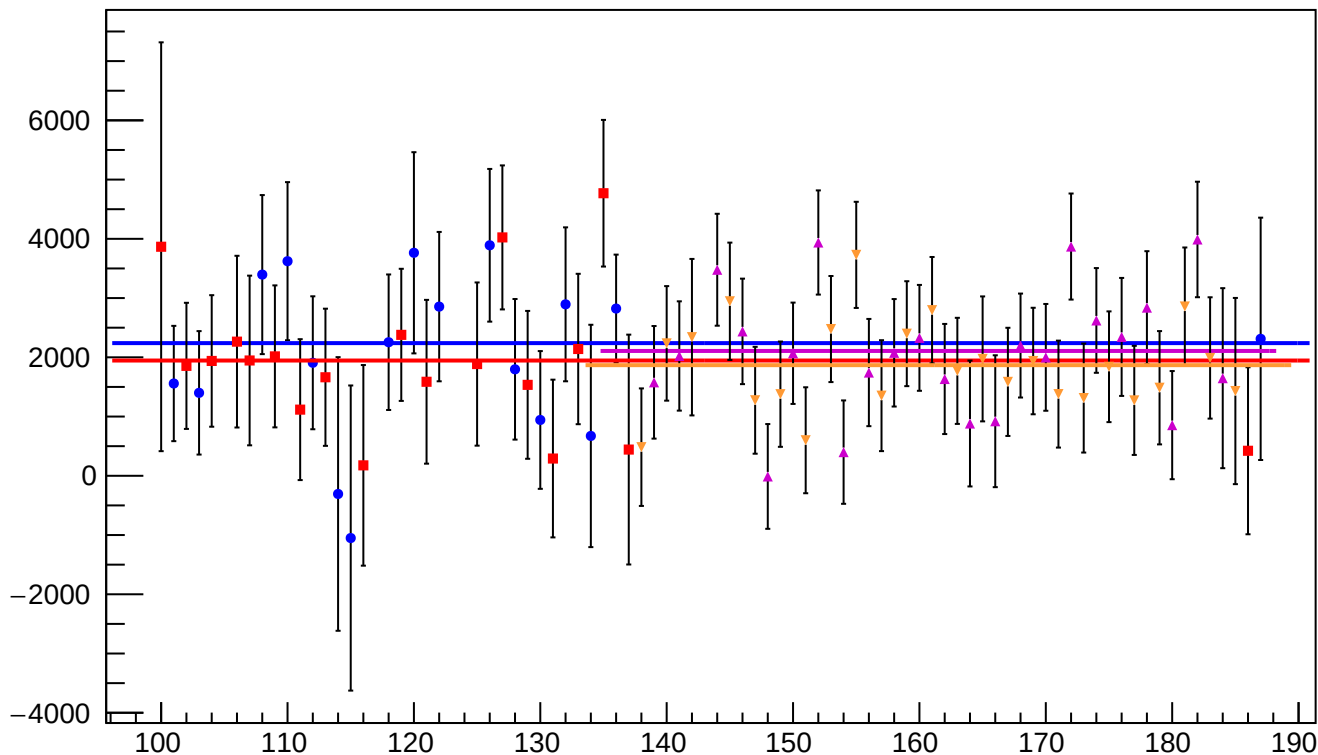


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2239.642+/-310.984

Left Out: 1867.512+/-194.801

Right Out: 1945.723+/-301.238

Left In: 2107.246+/-194.959

χ^2/NDF : 11.3/16

χ^2/NDF : 15.1/23

χ^2/NDF : 13.8/18

χ^2/NDF : 30.0/22

Left: 1987.282+/-137.801

Right: 2088.005+/-216.371

In: 2144.600+/-165.183

Out: 1890.574+/-163.578

All: 2016.347+/-116.231

χ^2/NDF : 45.9/46

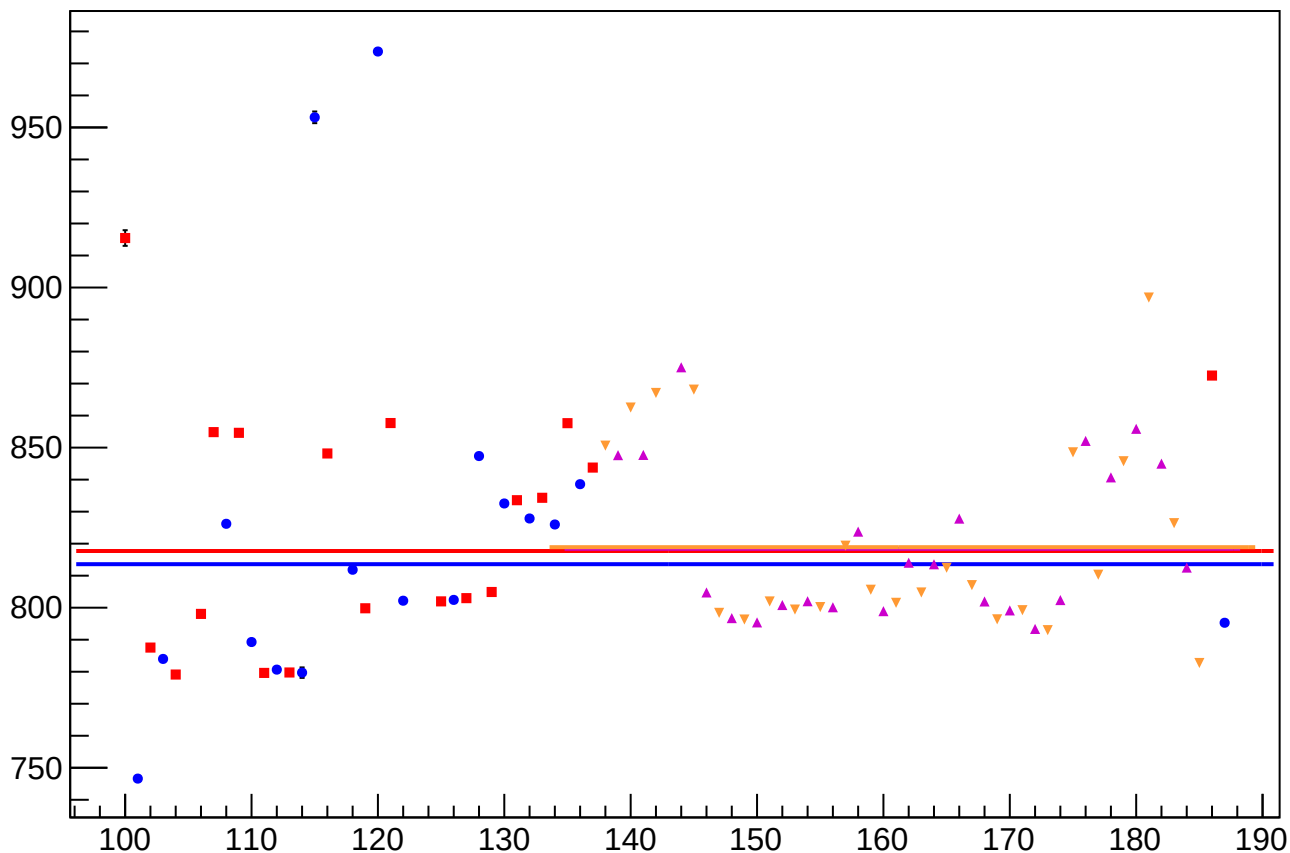
χ^2/NDF : 25.6/35

χ^2/NDF : 41.5/39

χ^2/NDF : 28.9/42

χ^2/NDF : 71.6/82

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 813.588 $\pm$ 0.220 χ^2 /NDF: 42205.5/16

Left Out: 818.900 $\pm$ 0.138 χ^2 /NDF: 41670.9/23

Right Out: 817.707 $\pm$ 0.213 χ^2 /NDF: 23126.7/18

Left In: 818.403 $\pm$ 0.138 χ^2 /NDF: 29907.0/22

Left: 818.652 $\pm$ 0.097 χ^2 /NDF: 71584.4/46

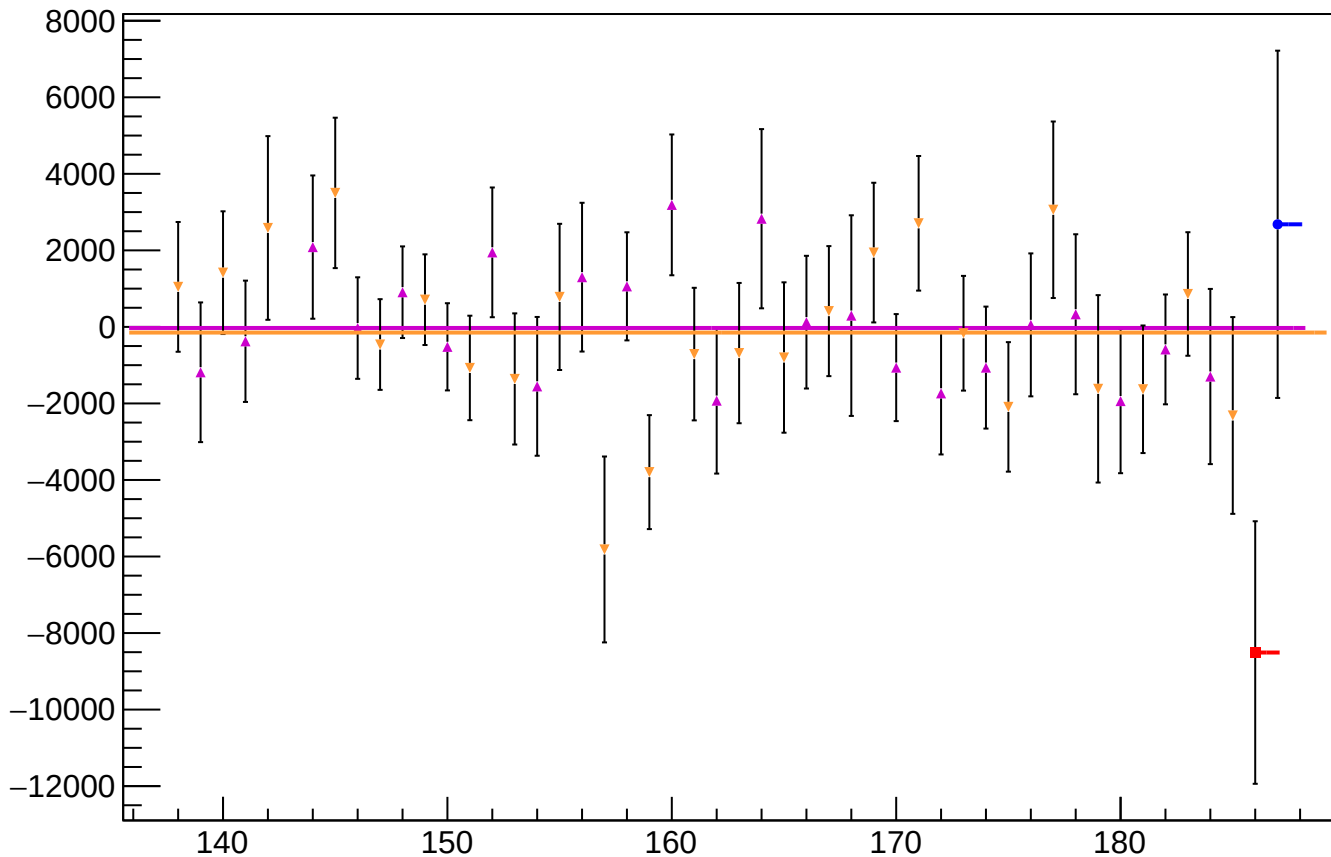
Right: 815.713 $\pm$ 0.153 χ^2 /NDF: 65513.2/35

In: 817.045 $\pm$ 0.117 χ^2 /NDF: 72456.6/39

Out: 818.548 $\pm$ 0.116 χ^2 /NDF: 64819.8/42

All: 817.804 $\pm$ 0.082 χ^2 /NDF: 137360.1/82

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: 2680.883 $\pm$ 4537.474 χ^2 /NDF: 0.0/0

Left Out: -147.864 $\pm$ 347.750 χ^2 /NDF:29.3/23

Right Out: -8508.970 $\pm$ 3430.440 χ^2 /NDF: 0.0/0

Left In: -27.722 $\pm$ 344.229 χ^2 /NDF:14.8/22

Left: -87.182 $\pm$ 244.642 χ^2 /NDF: 44.2/46

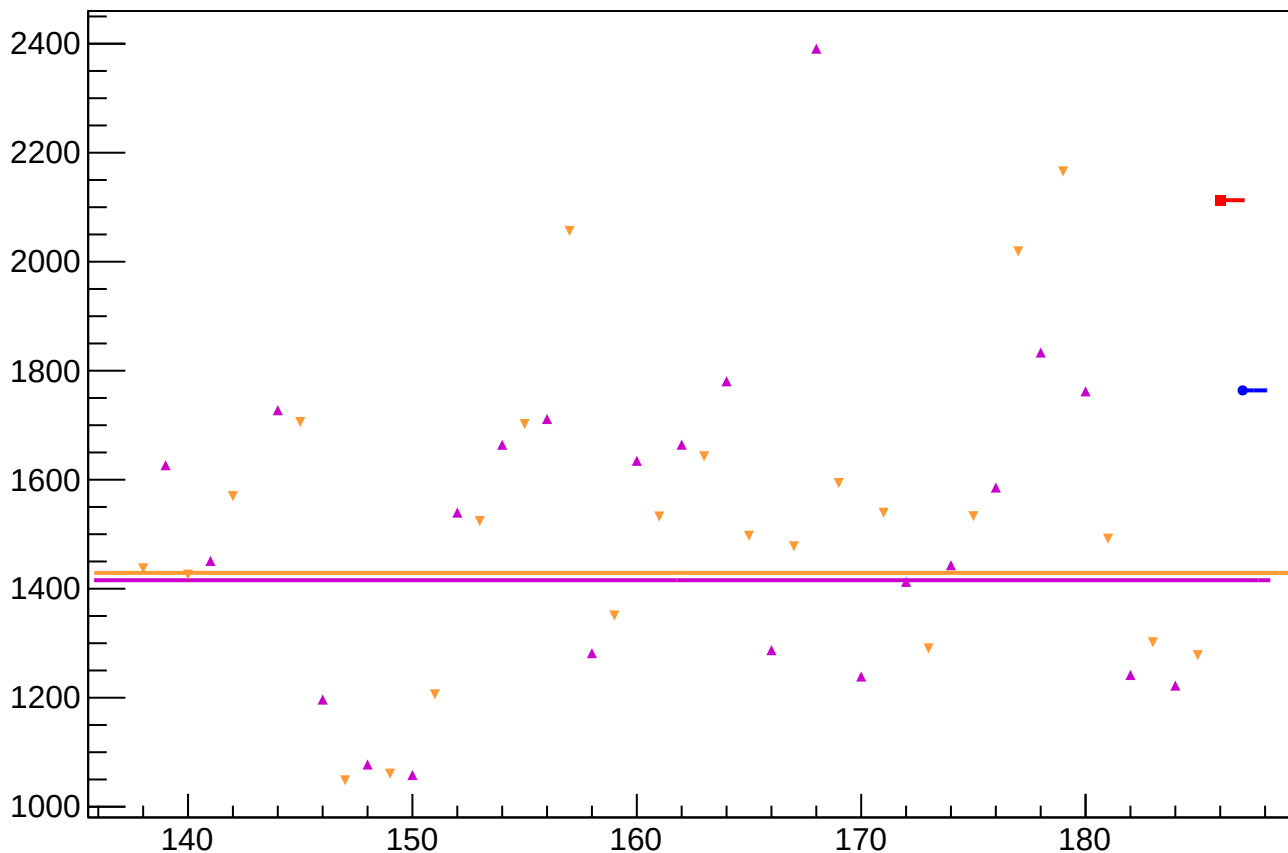
Right: -4439.281 $\pm$ 2736.419 χ^2 /NDF: 3.9/1

In: -12.223 $\pm$ 343.243 χ^2 /NDF:15.2/23

Out: -232.911 $\pm$ 345.977 χ^2 /NDF:35.2/24

All: -121.691 $\pm$ 243.670 χ^2 /NDF: 50.6/48

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1763.889 $\pm$ 3.208 χ^2/NDF : 0.0/0

Left Out: 1429.065 $\pm$ 0.246 χ^2/NDF :1106949.6/23

Right Out: 2112.839 $\pm$ 2.426 χ^2/NDF : 0.0/0

Left In: 1415.555 $\pm$ 0.243 χ^2/NDF :1245603.5/22

Left: 1422.241 $\pm$ 0.173 χ^2/NDF : 2354077.8/46

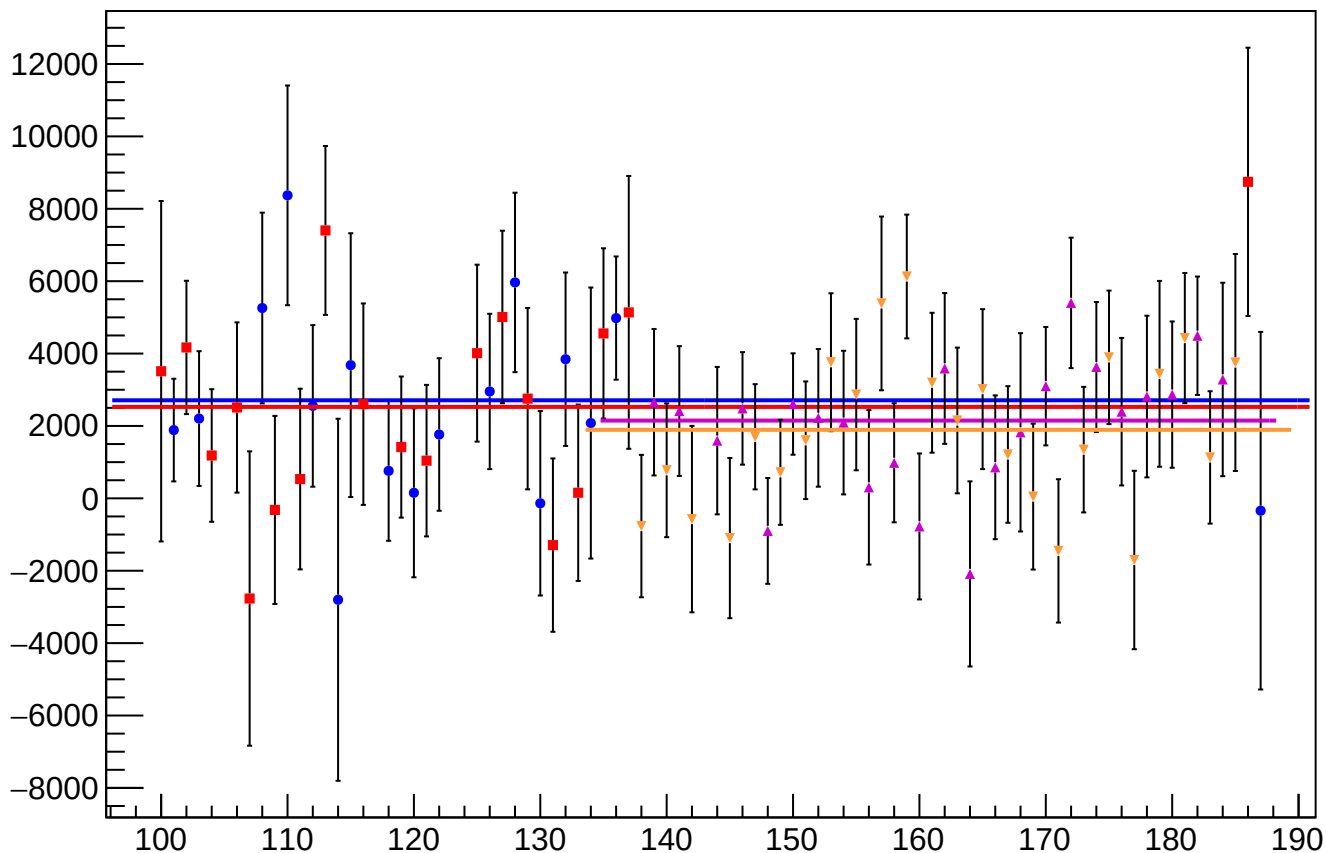
Right: 1985.928 $\pm$ 1.935 χ^2/NDF : 7526.5/1

In: 1417.548 $\pm$ 0.243 χ^2/NDF :1257322.8/23

Out: 1436.020 $\pm$ 0.245 χ^2/NDF :1185602.8/24

All: 1426.711 $\pm$ 0.172 χ^2/NDF : 2445798.7/48

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2709.158 $\pm$ 559.323 χ^2 /NDF: 13.9/16

Left Out: 1892.511 $\pm$ 394.798 χ^2 /NDF:25.9/23

Right Out: 2525.942 $\pm$ 562.381 χ^2 /NDF: 19.1/18

Left In: 2148.867 $\pm$ 391.716 χ^2 /NDF:18.4/22

Left: 2021.694 $\pm$ 278.068 χ^2 /NDF: 44.6/46

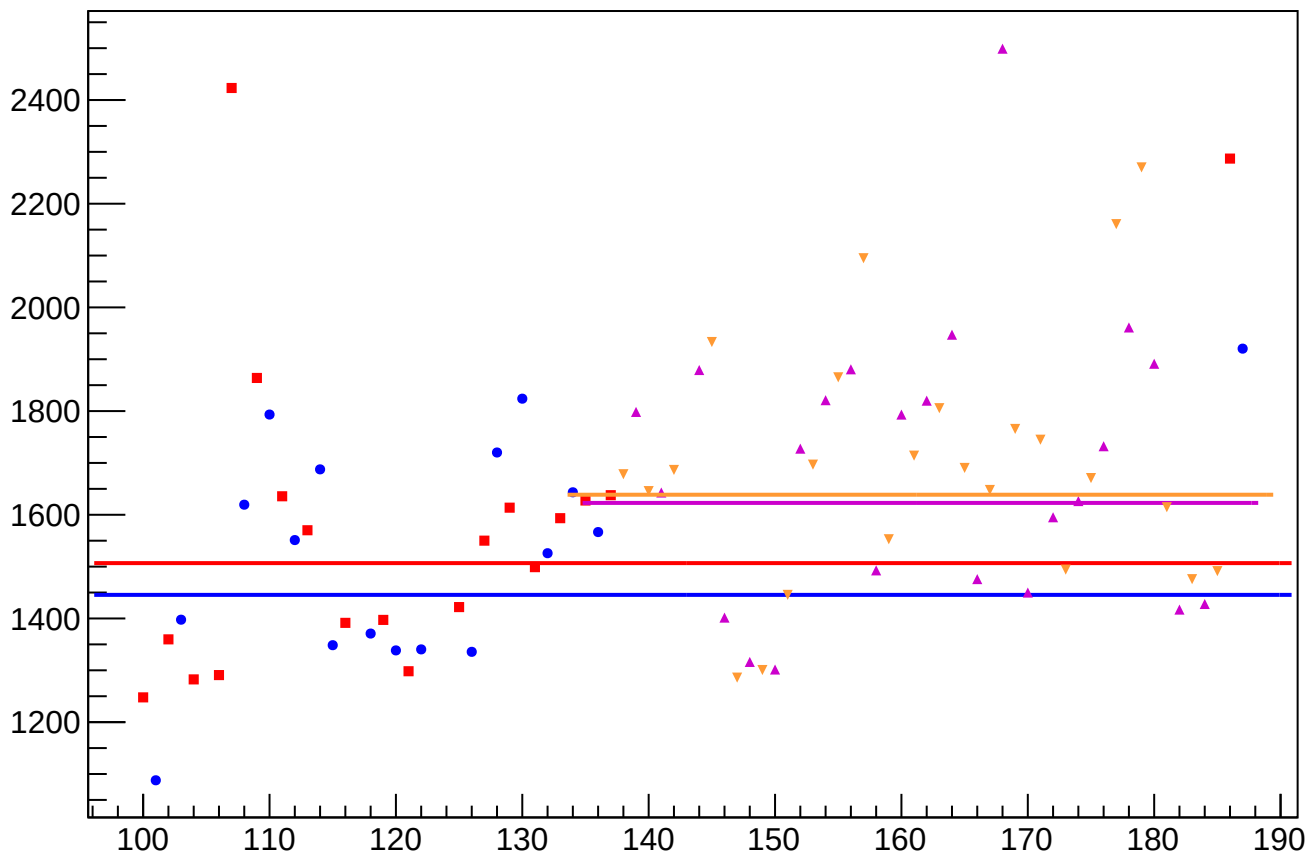
Right: 2618.050 $\pm$ 396.578 χ^2 /NDF: 33.1/35

In: 2333.243 $\pm$ 320.855 χ^2 /NDF:33.0/39

Out: 2101.624 $\pm$ 323.125 χ^2 /NDF:45.9/42

All: 2218.250 $\pm$ 227.677 χ^2 /NDF: 79.2/82

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1445.501 $\pm$ 0.396 χ^2/NDF : 296590.6/16

Left Out: 1638.679 $\pm$ 0.279 χ^2/NDF : 671983.1/23

Right Out: 1506.766 $\pm$ 0.398 χ^2/NDF : 347023.2/18

Left In: 1622.876 $\pm$ 0.277 χ^2/NDF : 780522.2/22

Left: 1630.716 $\pm$ 0.197 χ^2/NDF : 1454120.1/46

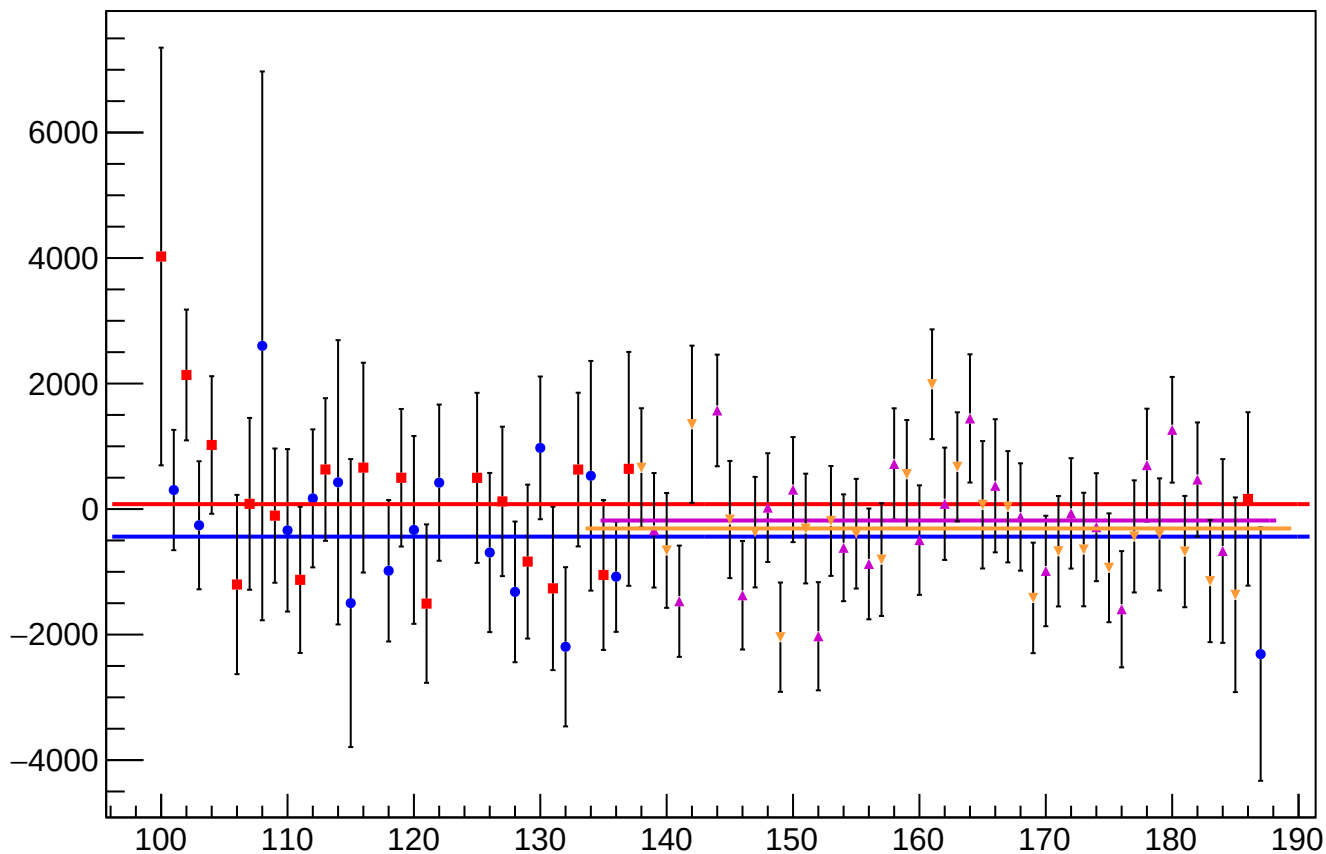
Right: 1475.966 $\pm$ 0.280 χ^2/NDF : 655546.3/35

In: 1564.507 $\pm$ 0.227 χ^2/NDF : 1212061.1/39

Out: 1595.131 $\pm$ 0.228 χ^2/NDF : 1092718.5/42

All: 1579.711 $\pm$ 0.161 χ^2/NDF : 2313825.3/82

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -439.378 ± 309.474 χ^2/NDF : 8.3/16

Left Out: -308.819 ± 187.448 χ^2/NDF : 20.6/23

Right Out: 78.180 ± 291.676 χ^2/NDF : 12.9/18

Left In: -181.983 ± 187.935 χ^2/NDF : 25.6/22

Left: -245.566 ± 132.717 χ^2/NDF : 46.4/46

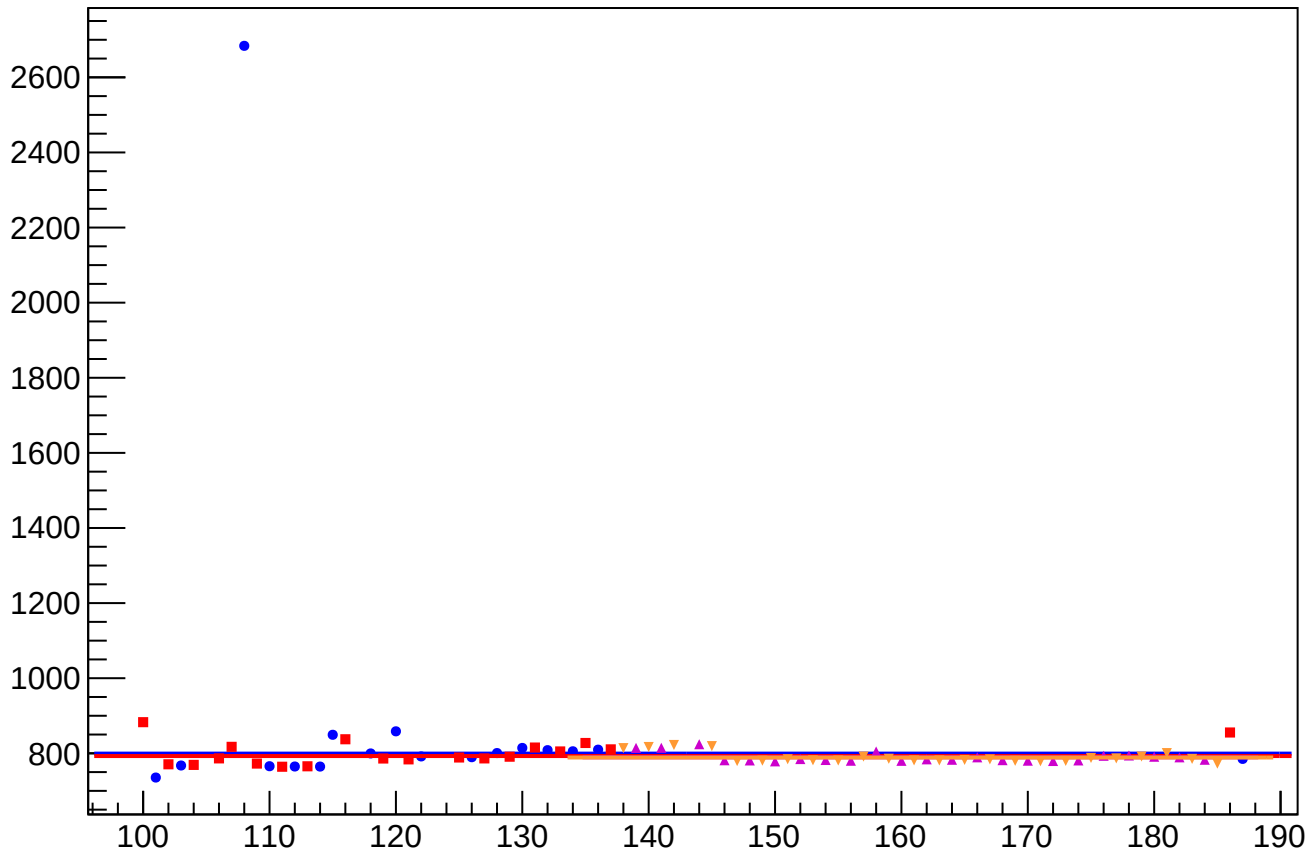
Right: -165.290 ± 212.259 χ^2/NDF : 22.7/35

In: -251.331 ± 160.635 χ^2/NDF : 34.4/39

Out: -195.703 ± 157.691 χ^2/NDF : 34.7/42

All: -223.003 ± 112.531 χ^2/NDF : 69.2/82

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 799.199 $\pm$ 0.219 χ^2 /NDF: 391285.2/16

Left Out: 788.886 $\pm$ 0.133 χ^2 /NDF: 9342.2/23

Right Out: 792.718 $\pm$ 0.206 χ^2 /NDF: 15486.6/18

Left In: 789.406 $\pm$ 0.133 χ^2 /NDF: 9219.1/22

Left: 789.145 $\pm$ 0.094 χ^2 /NDF: 18569.0/46

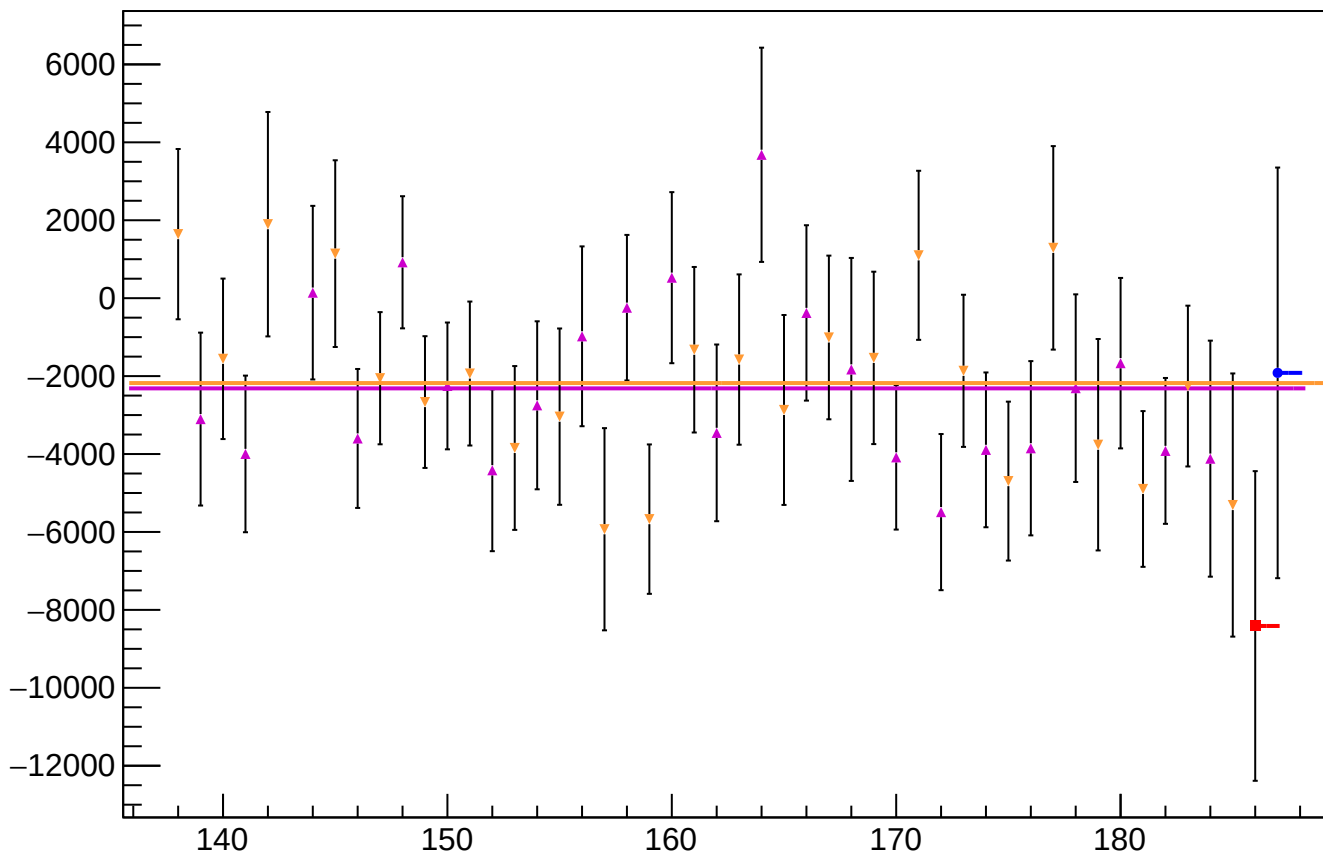
Right: 795.767 $\pm$ 0.150 χ^2 /NDF: 407236.3/35

In: 792.045 $\pm$ 0.114 χ^2 /NDF: 401967.3/39

Out: 790.006 $\pm$ 0.112 χ^2 /NDF: 25073.1/42

All: 791.006 $\pm$ 0.080 χ^2 /NDF: 427204.5/82

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -1917.042 $\pm$ 5269.656 χ^2 /NDF: 0.0/0

Left Out: -2178.467 $\pm$ 439.661 χ^2 /NDF:22.7/23

Right Out: -8412.934 $\pm$ 3973.746 χ^2 /NDF: 0.0/0

Left In: -2315.169 $\pm$ 437.003 χ^2 /NDF:22.0/22

Left: -2247.233 $\pm$ 309.943 χ^2 /NDF: 44.8/46

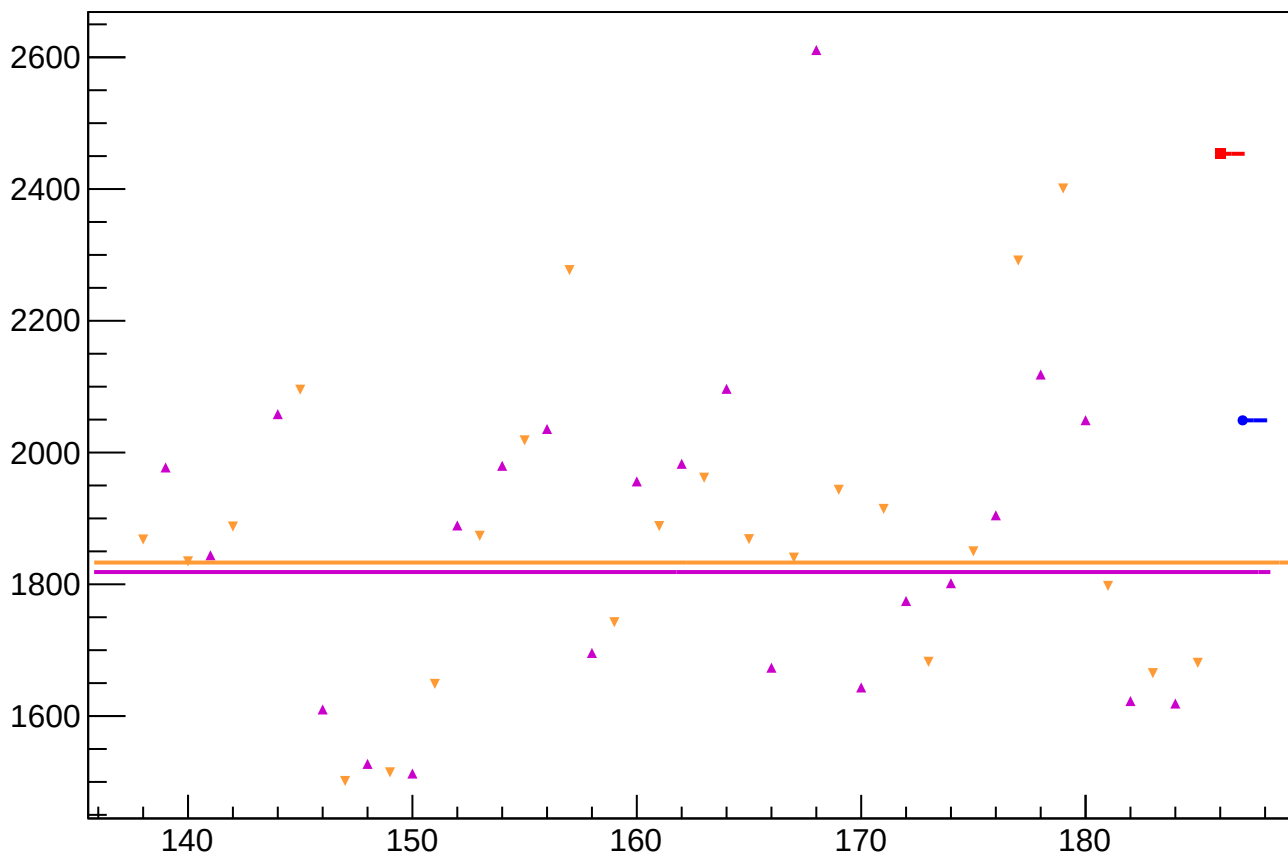
Right: -6058.146 $\pm$ 3172.771 χ^2 /NDF: 1.0/1

In: -2312.450 $\pm$ 435.508 χ^2 /NDF:22.0/23

Out: -2253.863 $\pm$ 436.994 χ^2 /NDF:25.2/24

All: -2283.257 $\pm$ 308.475 χ^2 /NDF: 47.2/48

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 2048.877+/-3.726 χ^2/NDF : 0.0/0

Left Out: 1833.028+/-0.311 χ^2/NDF : 465466.9/23

Right Out: 2453.521+/-2.810 χ^2/NDF : 0.0/0

Left In: 1818.594+/-0.309 χ^2/NDF : 536826.7/22

Left: 1825.767+/-0.219 χ^2/NDF : 1003377.8/46

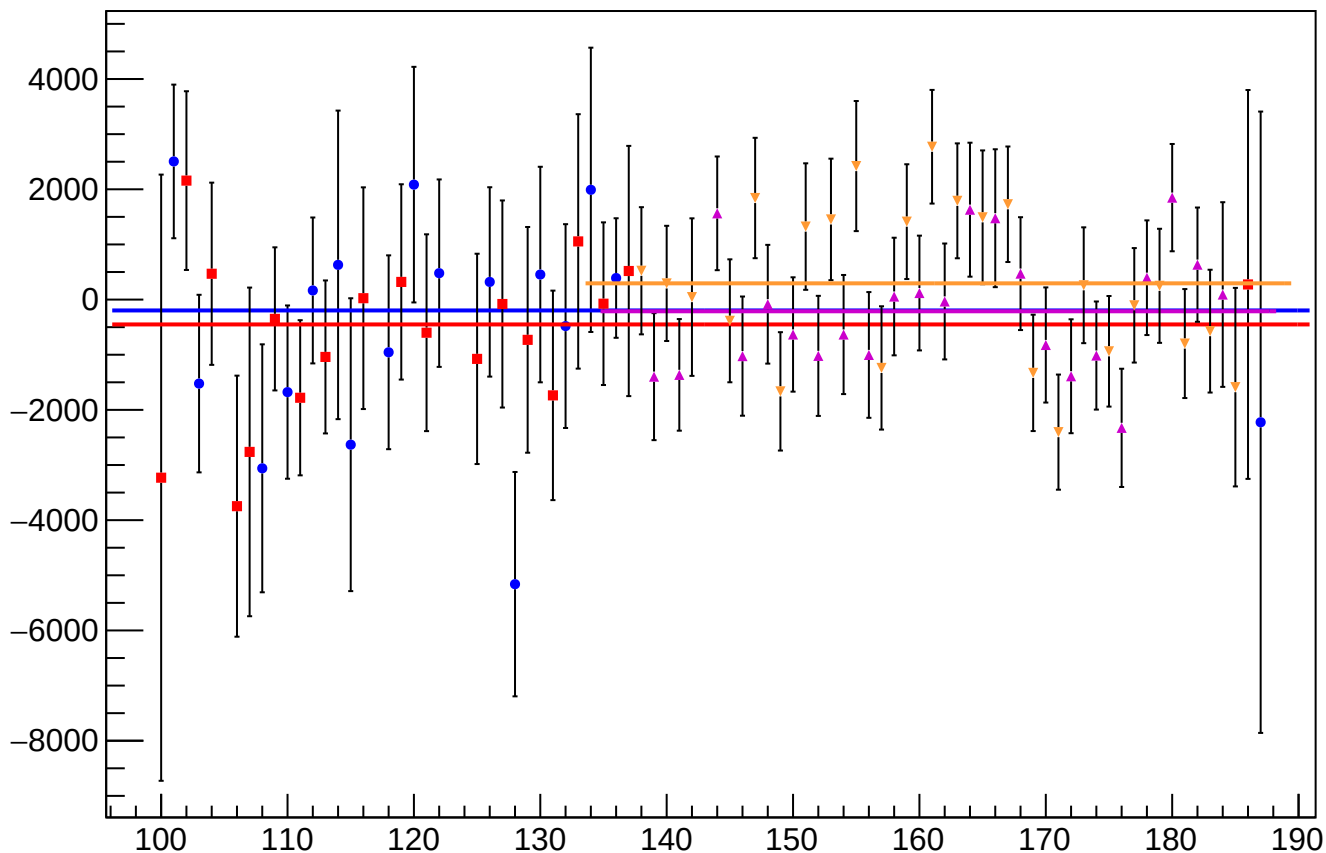
Right: 2306.836+/-2.243 χ^2/NDF : 7517.8/1

In: 1820.167+/-0.308 χ^2/NDF : 540619.9/23

Out: 1840.532+/-0.309 χ^2/NDF : 513641.7/24

All: 1830.315+/-0.218 χ^2/NDF : 1056440.6/48

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -196.946 ± 430.235 χ^2/NDF : 16.8/16

Left Out: 294.652 ± 224.344 χ^2/NDF : 38.3/23

Right Out: -450.623 ± 423.826 χ^2/NDF : 8.4/18

Left In: -212.080 ± 224.701 χ^2/NDF : 23.7/22

Left: 41.688 ± 158.761 χ^2/NDF : 64.6/46

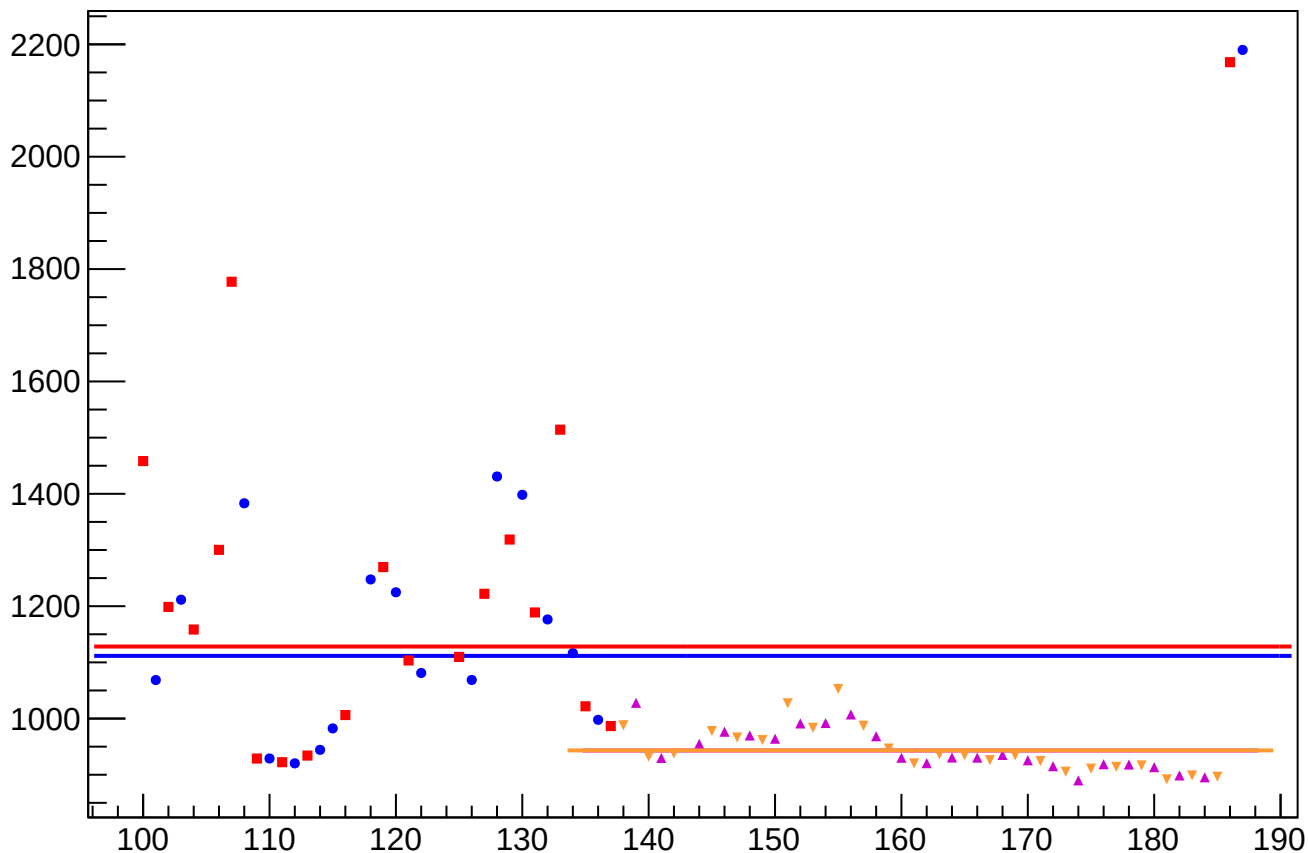
Right: -325.688 ± 301.930 χ^2/NDF : 25.3/35

In: -208.837 ± 199.173 χ^2/NDF : 40.5/39

Out: 131.535 ± 198.279 χ^2/NDF : 49.1/42

All: -37.886 ± 140.519 χ^2/NDF : 91.1/82

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1111.562 $\pm$ 0.304 χ^2 /NDF: 329090.1/16

Left Out: 943.327 $\pm$ 0.159 χ^2 /NDF: 60410.5/23

Right Out: 1128.221 $\pm$ 0.300 χ^2 /NDF: 539553.9/18

Left In: 943.137 $\pm$ 0.159 χ^2 /NDF: 49948.2/22

Left: 943.232 $\pm$ 0.112 χ^2 /NDF: 110359.4/46

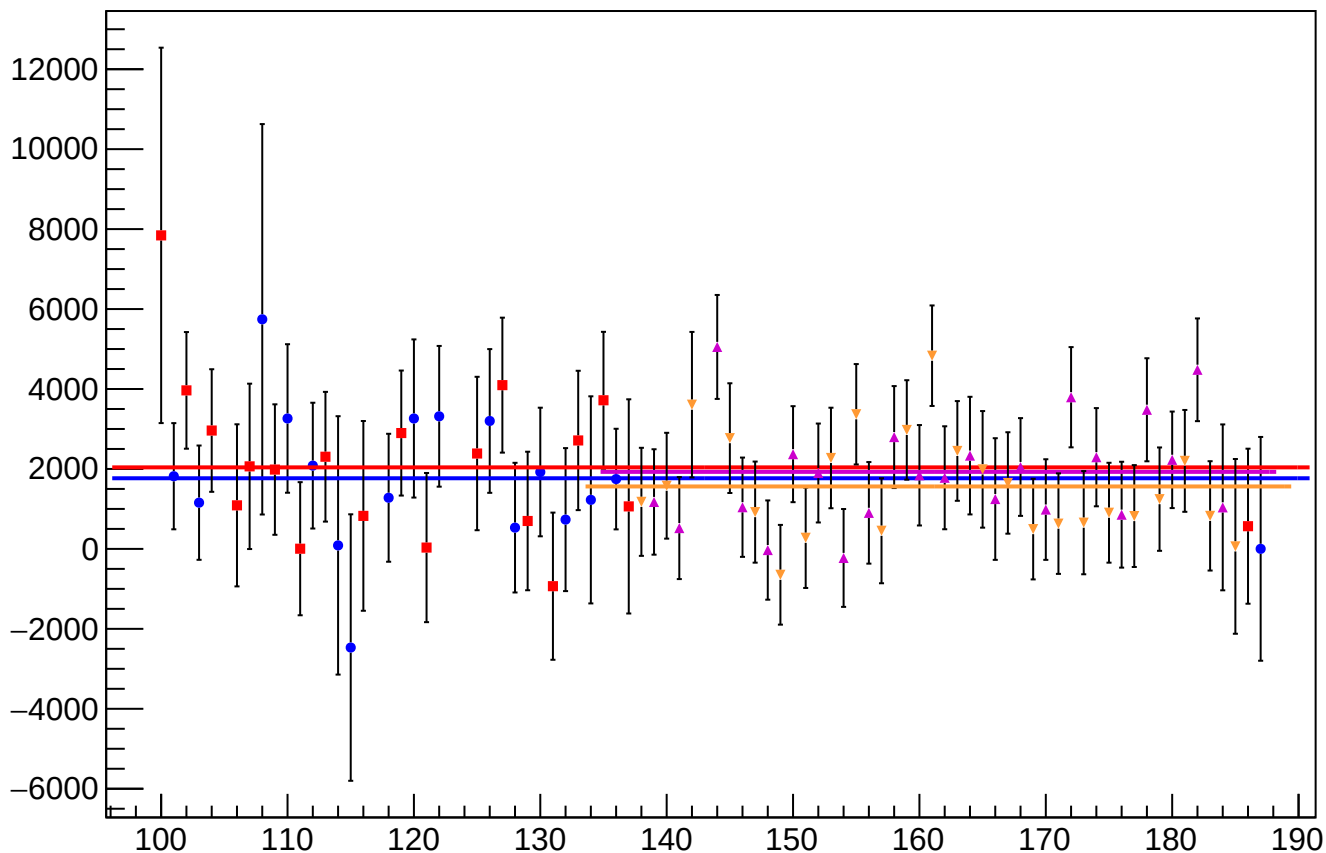
Right: 1120.016 $\pm$ 0.213 χ^2 /NDF: 870165.8/35

In: 979.232 $\pm$ 0.141 χ^2 /NDF: 619853.5/39

Out: 983.794 $\pm$ 0.140 χ^2 /NDF: 897284.5/42

All: 981.524 $\pm$ 0.099 χ^2 /NDF: 1517665.0/82

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1767.004 $\pm$ 436.727 χ^2 /NDF: 6.9/16

Left Out: 1562.090 $\pm$ 269.272 χ^2 /NDF:21.8/23

Right Out: 2039.420 $\pm$ 417.640 χ^2 /NDF: 13.6/18

Left In: 1926.929 $\pm$ 269.667 χ^2 /NDF:24.1/22

Left: 1744.243 $\pm$ 190.544 χ^2 /NDF: 46.8/46

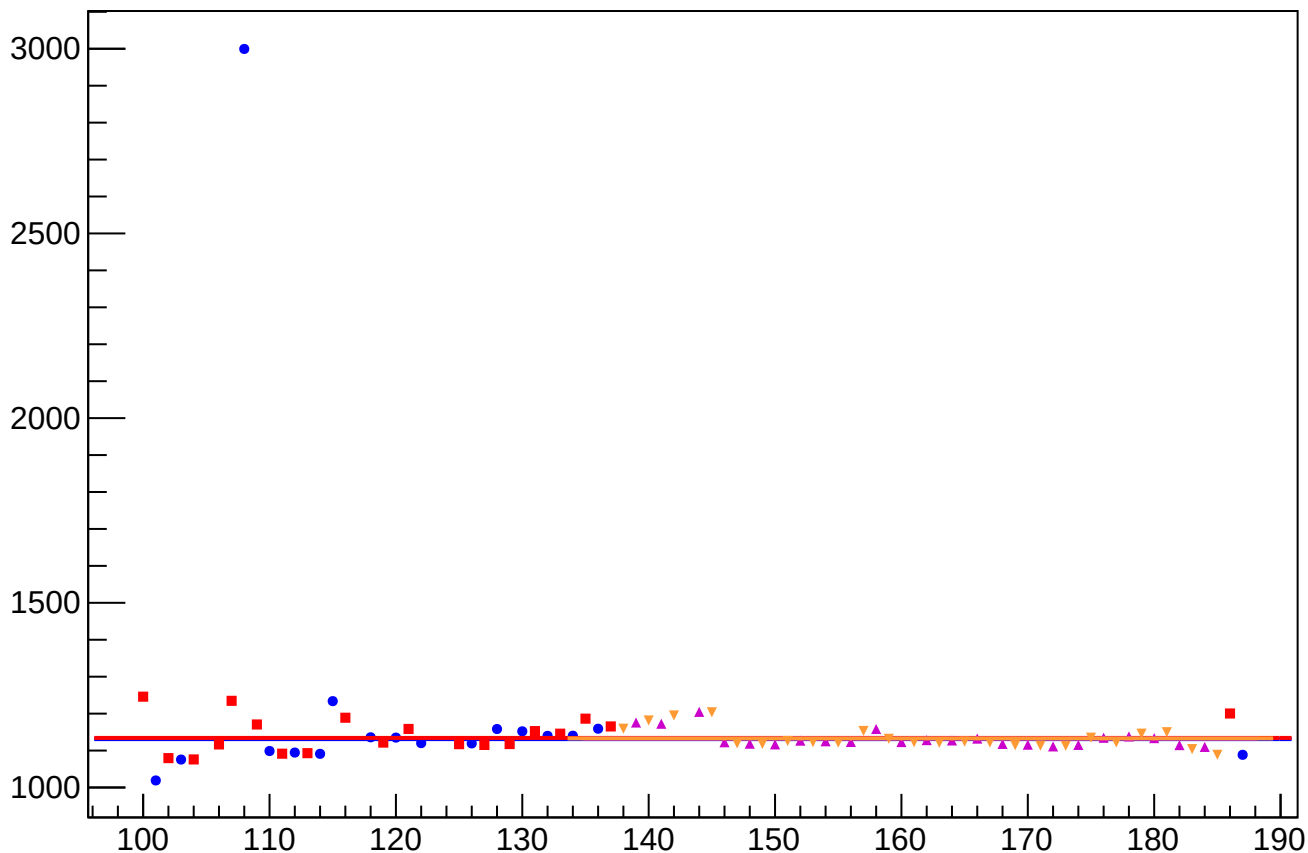
Right: 1909.295 $\pm$ 301.839 χ^2 /NDF: 20.7/35

In: 1882.785 $\pm$ 229.450 χ^2 /NDF:31.1/39

Out: 1702.251 $\pm$ 226.311 χ^2 /NDF:36.3/42

All: 1791.275 $\pm$ 161.125 χ^2 /NDF: 67.7/82

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1131.013 $\pm$ 0.309 χ^2 /NDF: 316499.6/16

Left Out: 1132.882 $\pm$ 0.190 χ^2 /NDF:16786.8/23

Right Out: 1134.233 $\pm$ 0.295 χ^2 /NDF: 22157.7/18

Left In: 1132.570 $\pm$ 0.191 χ^2 /NDF:14524.8/22

Left: 1132.727 $\pm$ 0.135 χ^2 /NDF: 31312.9/46

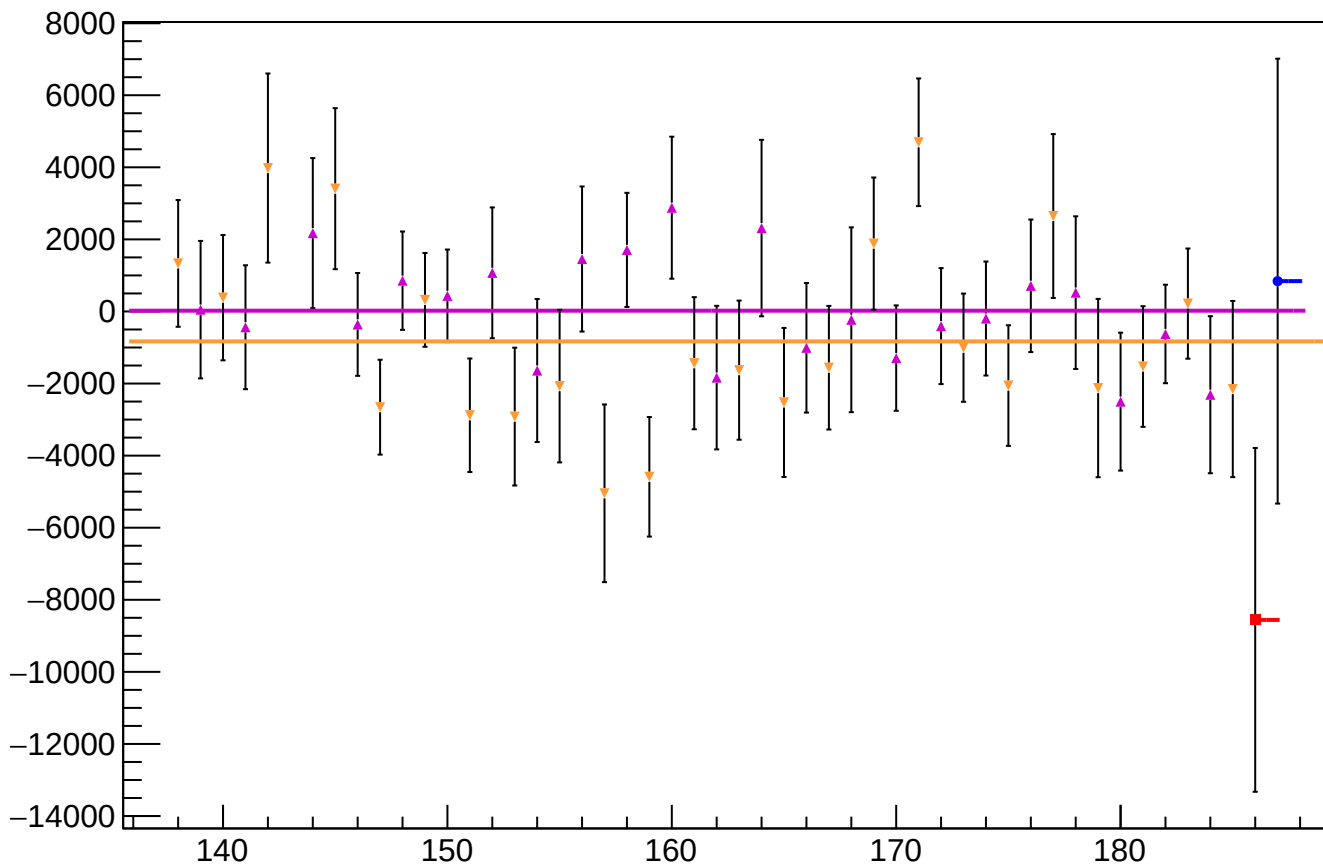
Right: 1132.695 $\pm$ 0.213 χ^2 /NDF: 338714.0/35

In: 1132.140 $\pm$ 0.162 χ^2 /NDF:331042.8/39

Out: 1133.279 $\pm$ 0.160 χ^2 /NDF:38959.2/42

All: 1132.717 $\pm$ 0.114 χ^2 /NDF: 370027.0/82

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: 841.783 ± 6172.519 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -830.927 ± 366.086 $\chi^2/\text{NDF}: 40.1/23$

Right Out: -8557.887 ± 4769.818 $\chi^2/\text{NDF}: 0.0/0$

Left In: 21.419 ± 362.476 $\chi^2/\text{NDF}: 12.8/22$

Left: -400.530 ± 257.576 $\chi^2/\text{NDF}: 55.6/46$

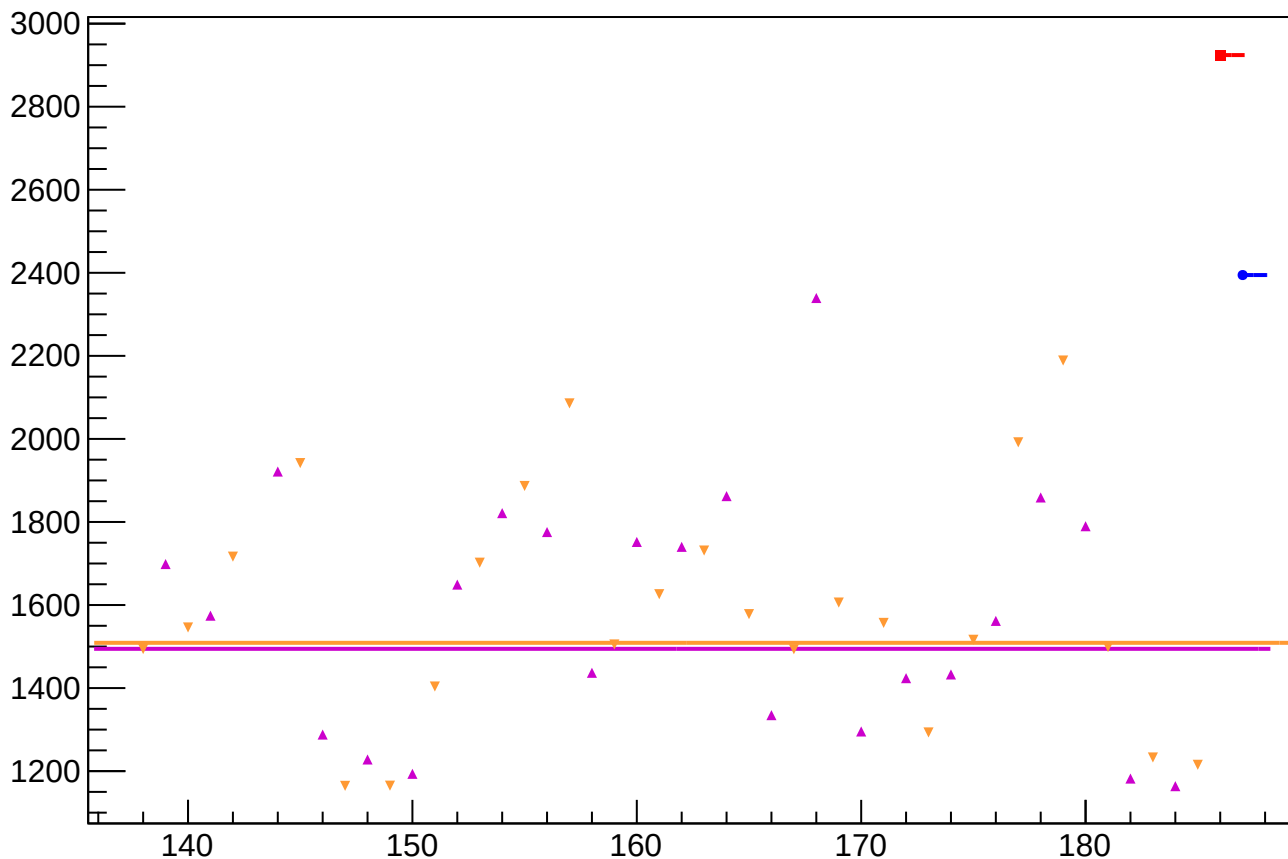
Right: -5043.518 ± 3774.243 $\chi^2/\text{NDF}: 1.5/1$

In: 24.238 ± 361.852 $\chi^2/\text{NDF}: 12.8/23$

Out: -876.178 ± 365.013 $\chi^2/\text{NDF}: 42.7/24$

All: -422.055 ± 256.978 $\chi^2/\text{NDF}: 58.6/48$

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 2394.601+/-4.365 χ^2/NDF : 0.0/0

Left Out: 1508.993+/-0.259 χ^2/NDF : 988673.2/23

Right Out: 2924.314+/-3.373 χ^2/NDF : 0.0/0

Left In: 1494.507+/-0.256 χ^2/NDF : 1096280.5/22

Left: 1501.678+/-0.182 χ^2/NDF : 2086534.9/46

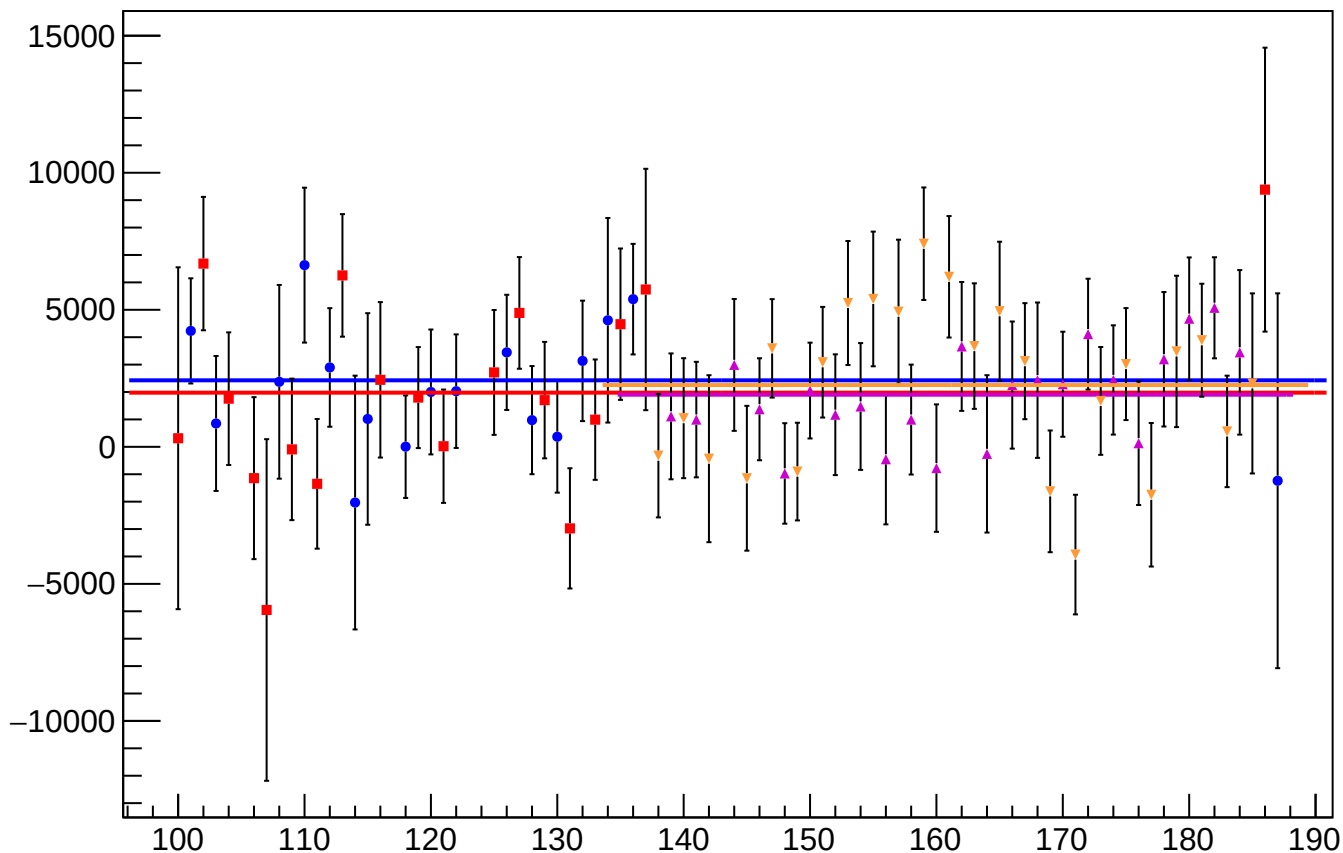
Right: 2726.264+/-2.669 χ^2/NDF : 9222.4/1

In: 1497.600+/-0.256 χ^2/NDF : 1138662.9/23

Out: 1517.281+/-0.258 χ^2/NDF : 1163732.8/24

All: 1507.355+/-0.182 χ^2/NDF : 2305328.0/48

asym_usl_mean vs Slug, Sign Corrected



Right In: 2426.914 $\pm$ 582.185 χ^2 /NDF: 11.0/16

Left Out: 2253.979 $\pm$ 456.390 χ^2 /NDF:38.7/23

Right Out: 1976.637 $\pm$ 579.527 χ^2 /NDF: 24.8/18

Left In: 1901.797 $\pm$ 453.879 χ^2 /NDF:13.9/22

Left: 2076.917 $\pm$ 321.825 χ^2 /NDF: 52.8/46

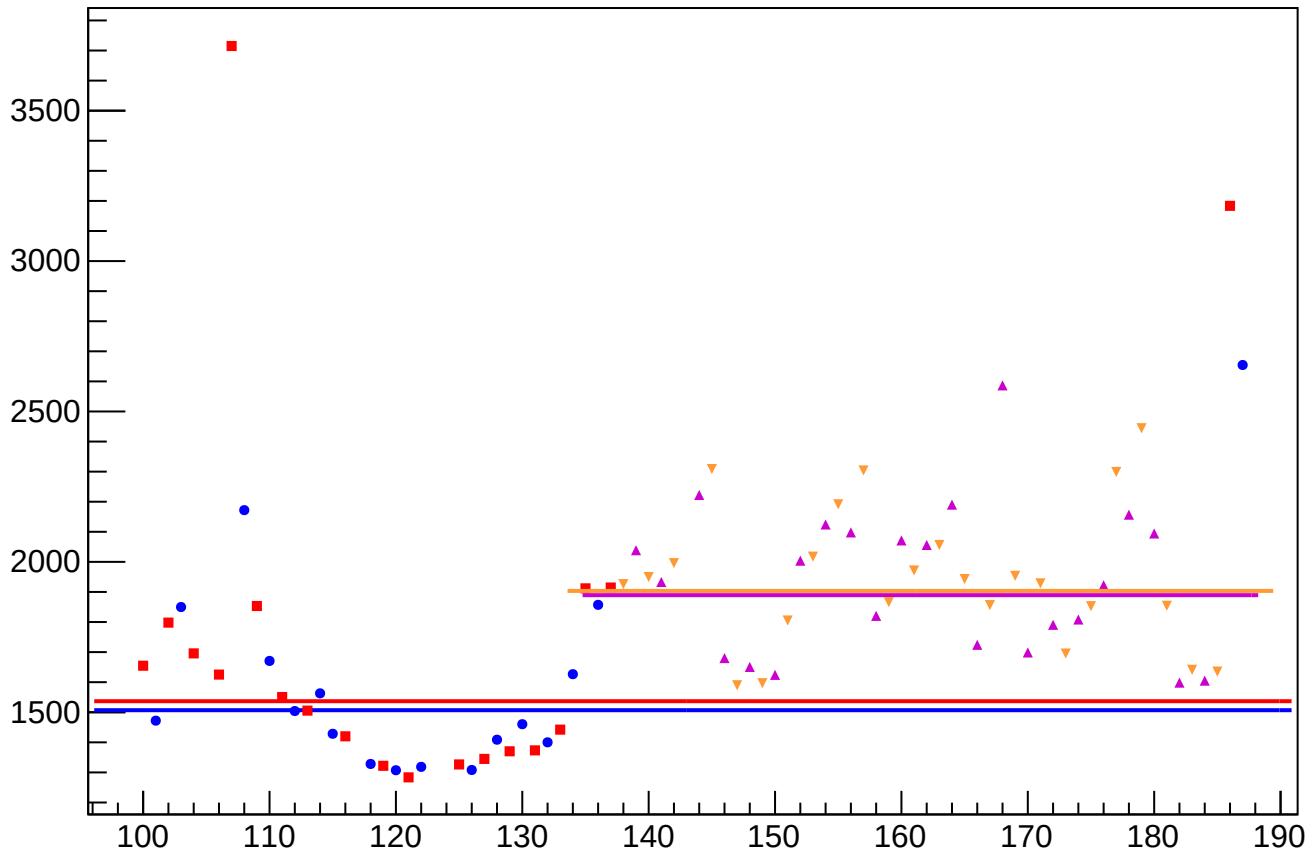
Right: 2200.745 $\pm$ 410.724 χ^2 /NDF: 36.2/35

In: 2100.307 $\pm$ 357.952 χ^2 /NDF:25.4/39

Out: 2147.816 $\pm$ 358.553 χ^2 /NDF:63.6/42

All: 2124.022 $\pm$ 253.322 χ^2 /NDF: 89.0/82

asym_usl_rms vs Slug, Sign Corrected



Right In: 1506.864 $\pm$ 0.412 χ^2 /NDF: 315552.4/16

Left Out: 1903.456 $\pm$ 0.323 χ^2 /NDF: 461899.8/23

Right Out: 1536.822 $\pm$ 0.410 χ^2 /NDF: 685250.4/18

Left In: 1889.326 $\pm$ 0.321 χ^2 /NDF: 508648.5/22

Left: 1896.352 $\pm$ 0.228 χ^2 /NDF: 971512.1/46

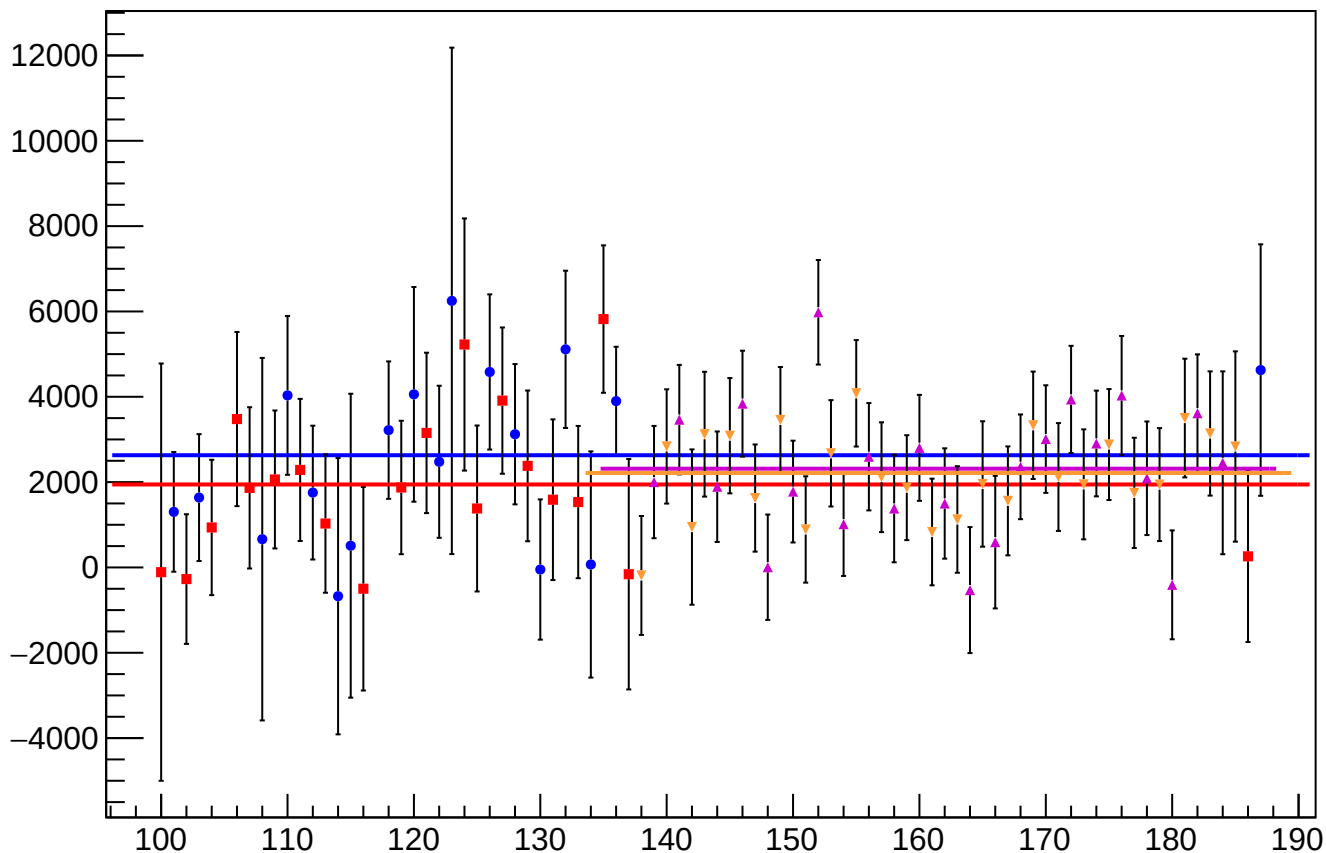
Right: 1521.912 $\pm$ 0.290 χ^2 /NDF: 1003463.0/35

In: 1744.744 $\pm$ 0.253 χ^2 /NDF: 1361052.1/39

Out: 1763.113 $\pm$ 0.254 χ^2 /NDF: 1641212.7/42

All: 1753.913 $\pm$ 0.179 χ^2 /NDF: 3004893.9/82

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2630.185 $\pm$ 447.929 χ^2/NDF : 12.8/17

Left Out: 2213.308 $\pm$ 266.921 χ^2/NDF : 14.2/24

Right Out: 1944.674 $\pm$ 417.435 χ^2/NDF : 14.2/19

Left In: 2314.778 $\pm$ 271.873 χ^2/NDF : 31.6/22

Left: 2263.111 $\pm$ 190.469 χ^2/NDF : 45.8/47

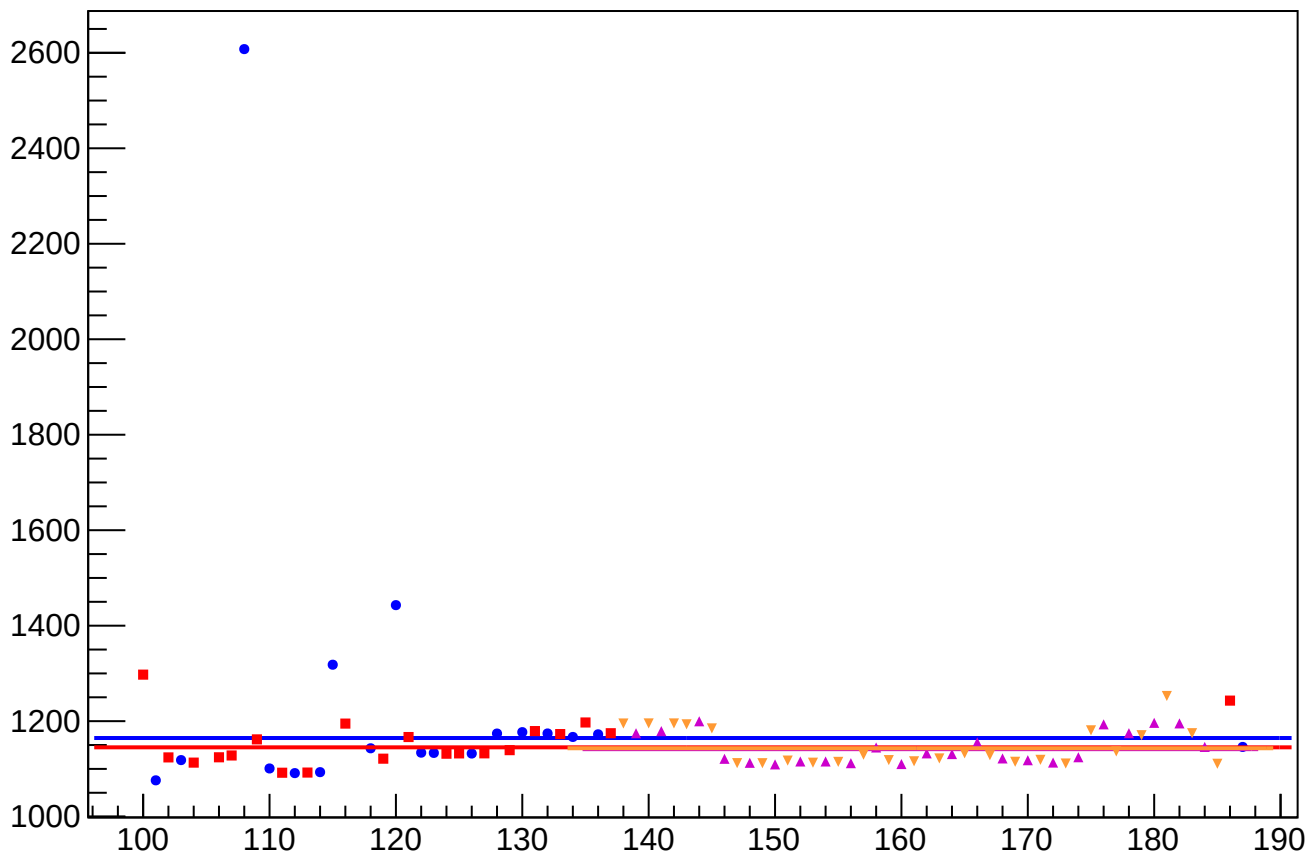
Right: 2263.303 $\pm$ 305.383 χ^2/NDF : 28.2/37

In: 2399.691 $\pm$ 232.413 χ^2/NDF : 44.7/40

Out: 2135.347 $\pm$ 224.878 χ^2/NDF : 28.7/44

All: 2263.164 $\pm$ 161.611 χ^2/NDF : 74.1/85

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1164.704 $\pm$ 0.317 χ^2 /NDF: 278652.5/17

Left Out: 1143.249 $\pm$ 0.189 χ^2 /NDF: 39493.3/24

Right Out: 1145.172 $\pm$ 0.295 χ^2 /NDF: 17682.6/19

Left In: 1141.363 $\pm$ 0.192 χ^2 /NDF: 28014.9/22

Left: 1142.324 $\pm$ 0.135 χ^2 /NDF: 67557.2/47

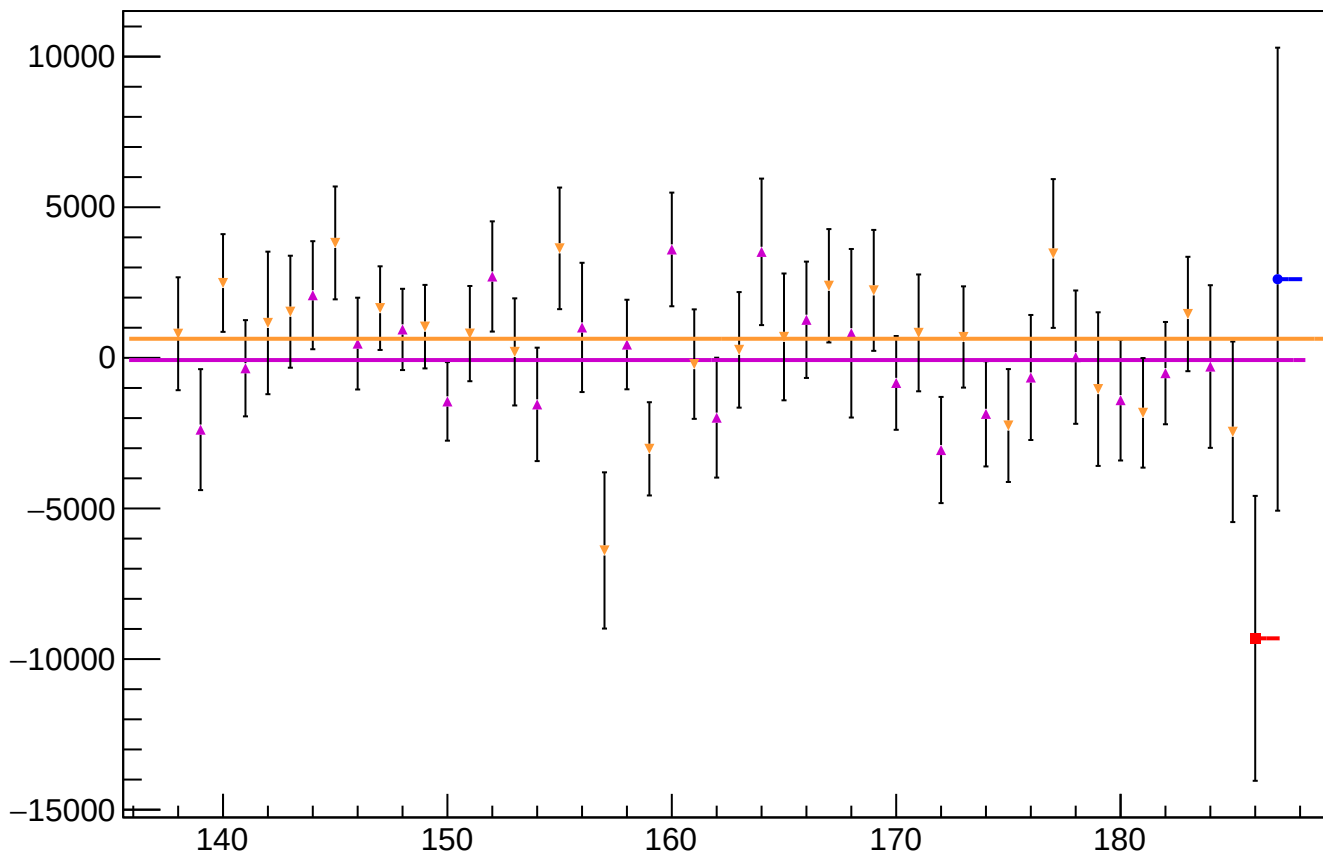
Right: 1154.251 $\pm$ 0.216 χ^2 /NDF: 298370.5/37

In: 1147.647 $\pm$ 0.164 χ^2 /NDF: 310636.1/40

Out: 1143.807 $\pm$ 0.159 χ^2 /NDF: 57206.0/44

All: 1145.664 $\pm$ 0.114 χ^2 /NDF: 368124.0/85

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: 2611.704+/-7685.510 χ^2/NDF : 0.0/0

Left Out: 633.748+/-371.934 χ^2/NDF : 29.3/24

Right Out: -9311.556+/-4729.177 χ^2/NDF : 0.0/0

Left In: -72.962+/-375.277 χ^2/NDF : 20.1/22

Left: 283.555+/-264.171 χ^2/NDF : 51.2/47

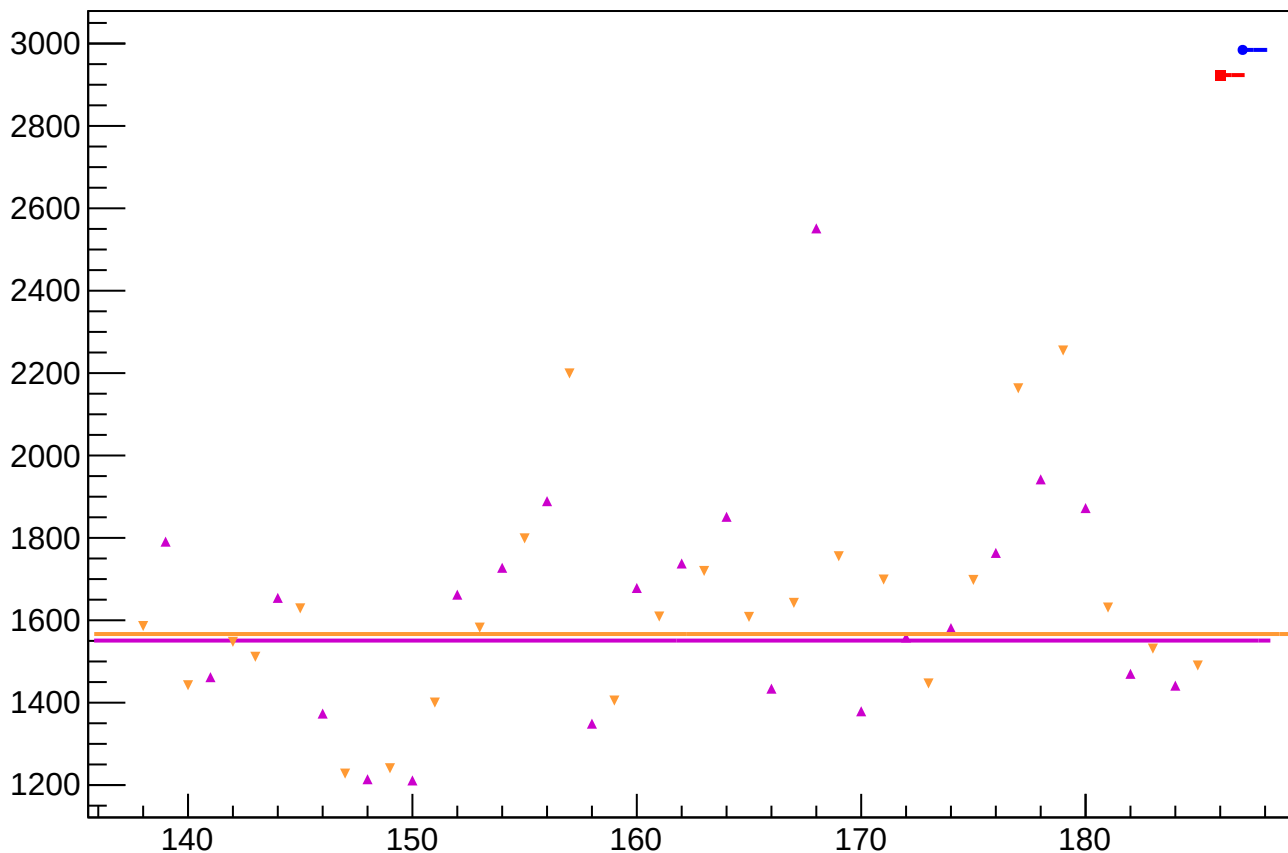
Right: -6036.867+/-4027.729 χ^2/NDF : 1.7/1

In: -66.576+/-374.831 χ^2/NDF : 20.2/23

Out: 572.611+/-370.789 χ^2/NDF : 33.7/25

All: 256.483+/-263.605 χ^2/NDF : 55.3/49

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 2984.539+/-5.434 χ^2/NDF : 0.0/0

Left Out: 1566.626+/-0.263 χ^2/NDF : 766955.2/24

Right Out: 2923.442+/-3.344 χ^2/NDF : 0.0/0

Left In: 1550.750+/-0.265 χ^2/NDF : 928652.8/22

Left: 1558.759+/-0.187 χ^2/NDF : 1697413.8/47

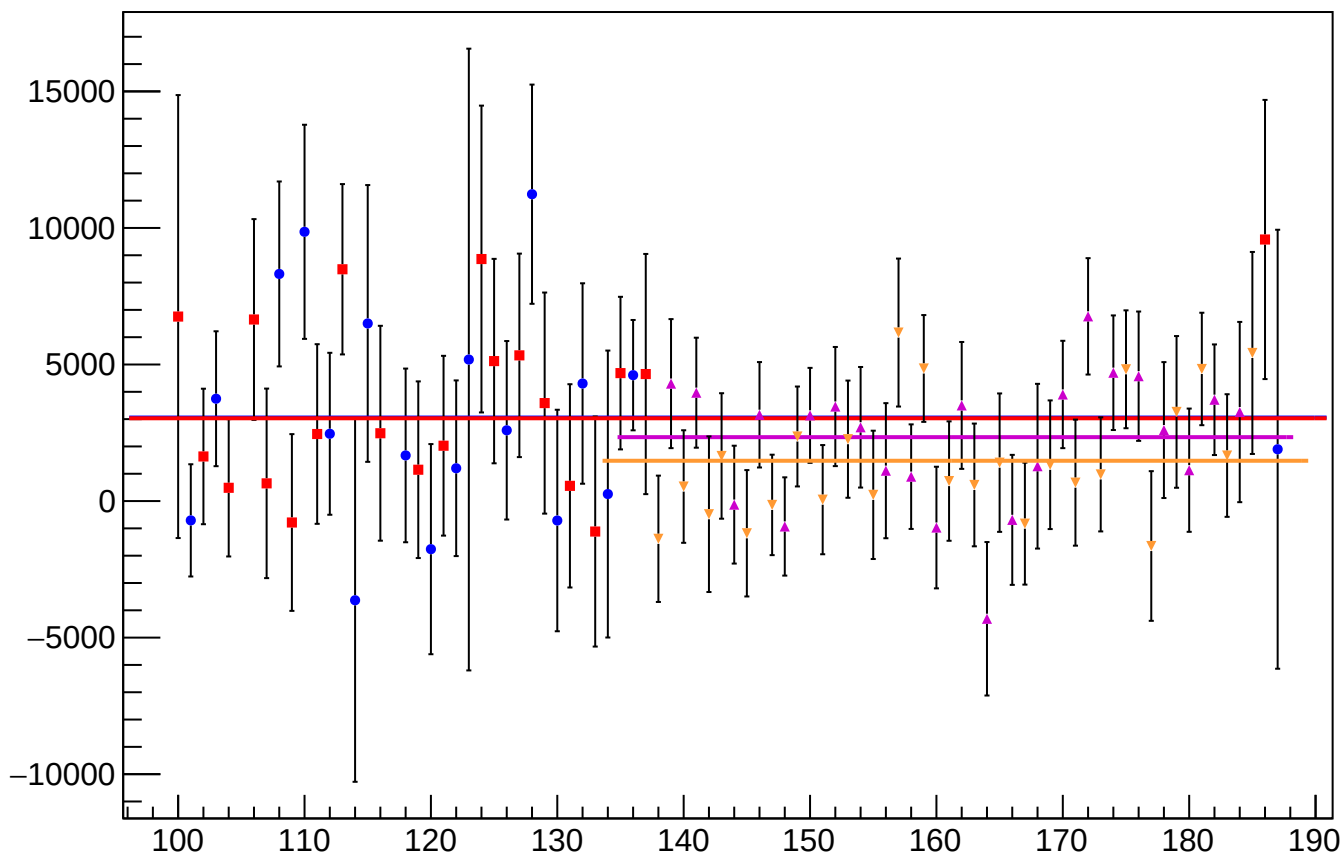
Right: 2940.222+/-2.848 χ^2/NDF : 91.7/1

In: 1554.160+/-0.265 χ^2/NDF : 998094.7/23

Out: 1574.967+/-0.262 χ^2/NDF : 930569.9/25

All: 1564.676+/-0.186 χ^2/NDF : 1931779.3/49

asym_usr_mean vs Slug, Sign Corrected



Right In: 3058.046 $\pm$ 793.840 χ^2 /NDF: 18.5/17

Left Out: 1475.648 $\pm$ 451.347 χ^2 /NDF:20.9/24

Right Out: 3031.145 $\pm$ 785.893 χ^2 /NDF: 13.3/19

Left In: 2339.905 $\pm$ 457.448 χ^2 /NDF:25.2/22

Left: 1901.975 $\pm$ 321.286 χ^2 /NDF: 47.9/47

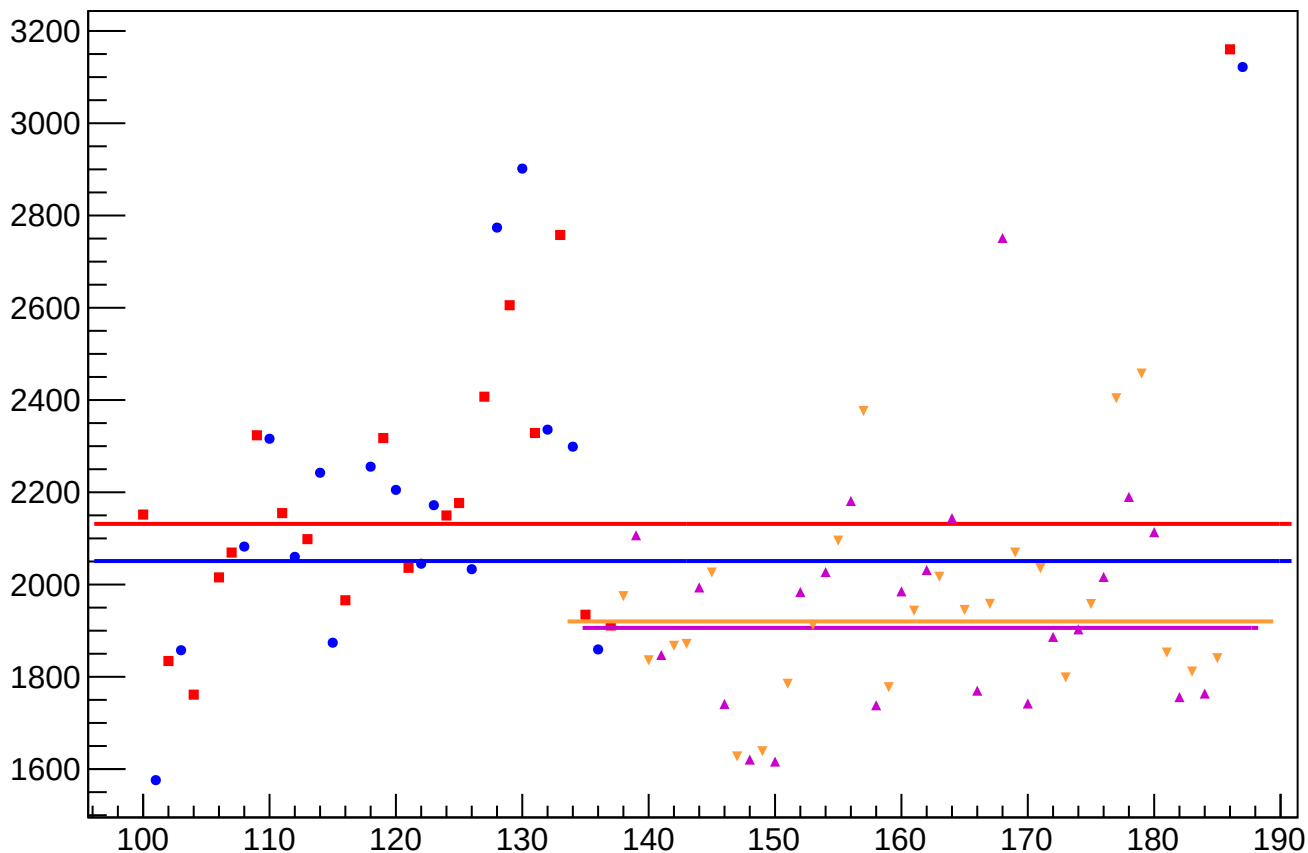
Right: 3044.460 $\pm$ 558.499 χ^2 /NDF: 31.8/37

In: 2518.926 $\pm$ 396.351 χ^2 /NDF:44.3/40

Out: 1861.452 $\pm$ 391.392 χ^2 /NDF:37.1/44

All: 2186.051 $\pm$ 278.493 χ^2 /NDF: 82.8/85

asym_usr_rms vs Slug, Sign Corrected



Right In: 2050.985 $\pm$ 0.561 χ^2 /NDF: 367199.7/17

Left Out: 1920.082 $\pm$ 0.319 χ^2 /NDF:365919.7/24

Right Out: 2131.535 $\pm$ 0.556 χ^2 /NDF: 278395.5/19

Left In: 1906.043 $\pm$ 0.323 χ^2 /NDF:451054.7/22

Left: 1913.157 $\pm$ 0.227 χ^2 /NDF: 817929.0/47

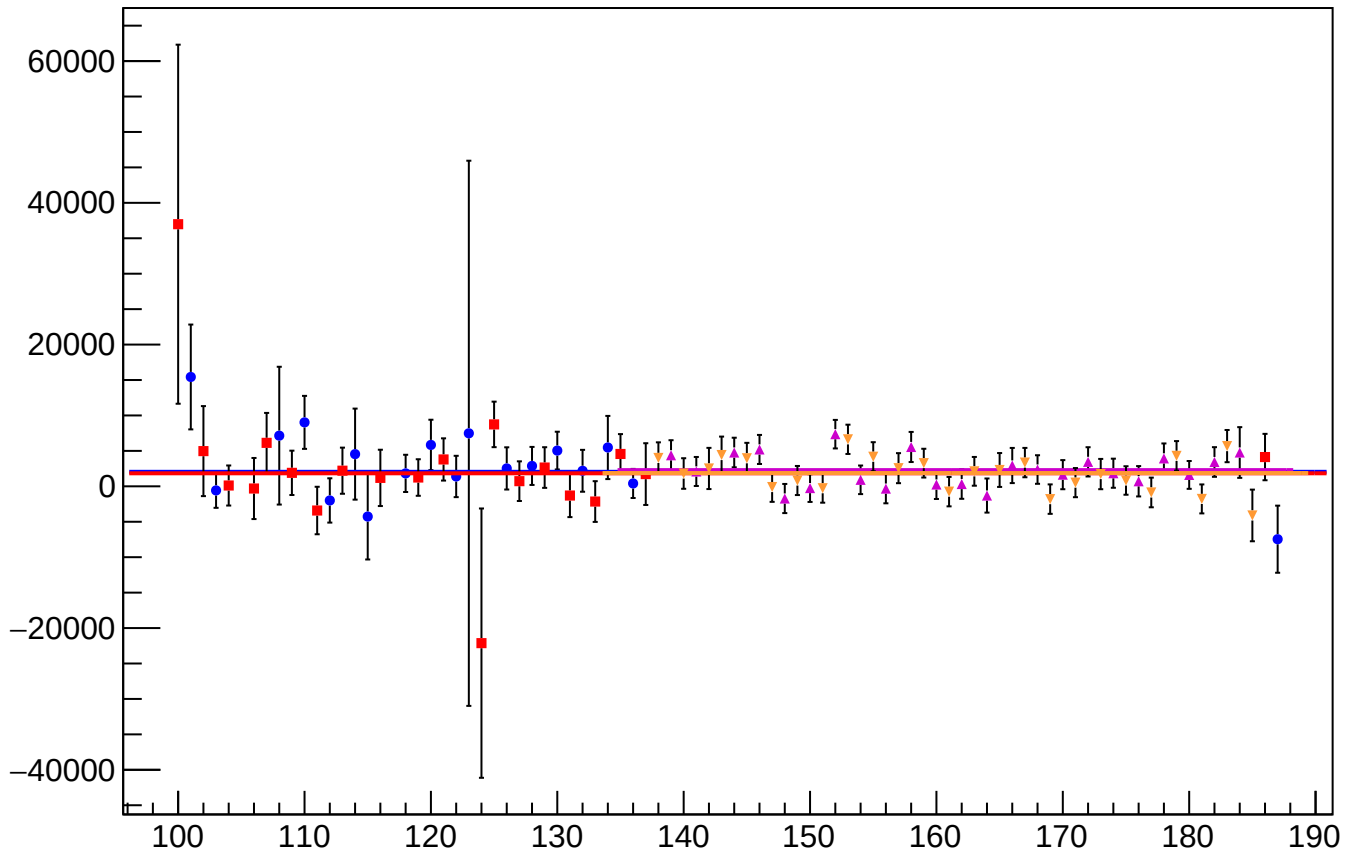
Right: 2091.665 $\pm$ 0.395 χ^2 /NDF: 655994.8/37

In: 1942.174 $\pm$ 0.280 χ^2 /NDF:868307.1/40

Out: 1972.528 $\pm$ 0.277 χ^2 /NDF:753191.4/44

All: 1957.542 $\pm$ 0.197 χ^2 /NDF: 1627437.3/85

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2046.595 $\pm$ 790.199 χ^2 /NDF: 18.9/17

Left Out: 1875.290 $\pm$ 433.245 χ^2 /NDF:30.0/24

Right Out: 1836.720 $\pm$ 761.368 χ^2 /NDF: 17.7/19

Left In: 2286.268 $\pm$ 441.005 χ^2 /NDF:27.3/22

Left: 2077.132 $\pm$ 309.058 χ^2 /NDF: 57.8/47

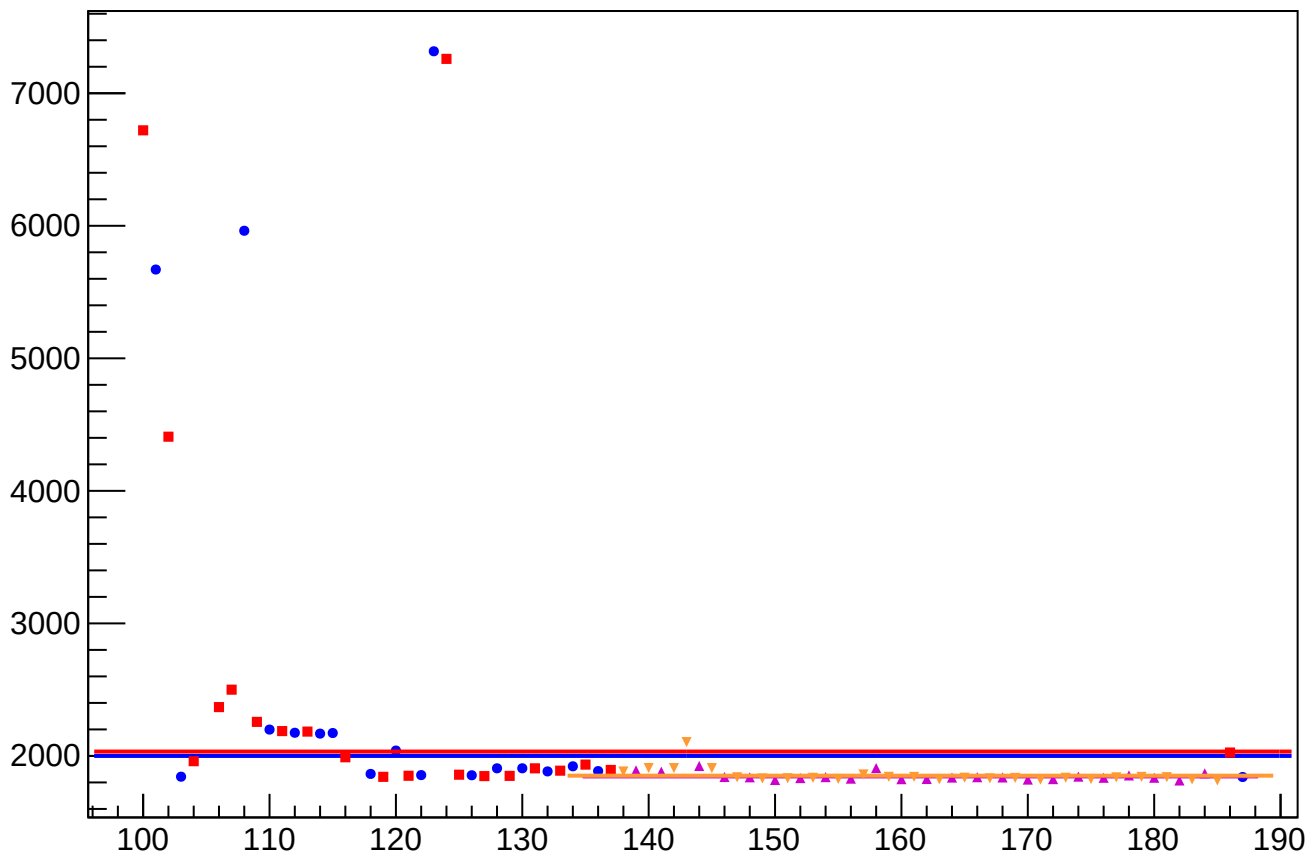
Right: 1937.759 $\pm$ 548.278 χ^2 /NDF: 36.7/37

In: 2229.347 $\pm$ 385.092 χ^2 /NDF:46.4/40

Out: 1865.856 $\pm$ 376.549 χ^2 /NDF:47.7/44

All: 2043.525 $\pm$ 269.230 χ^2 /NDF: 94.5/85

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1999.994+/-0.559 χ^2/NDF : 918334.2/17

Left Out: 1851.066+/-0.306 χ^2/NDF : 26251.6/24

Right Out: 2033.071+/-0.538 χ^2/NDF : 611020.4/19

Left In: 1845.411+/-0.312 χ^2/NDF : 8318.8/22

Left: 1848.289+/-0.219 χ^2/NDF : 34737.7/47

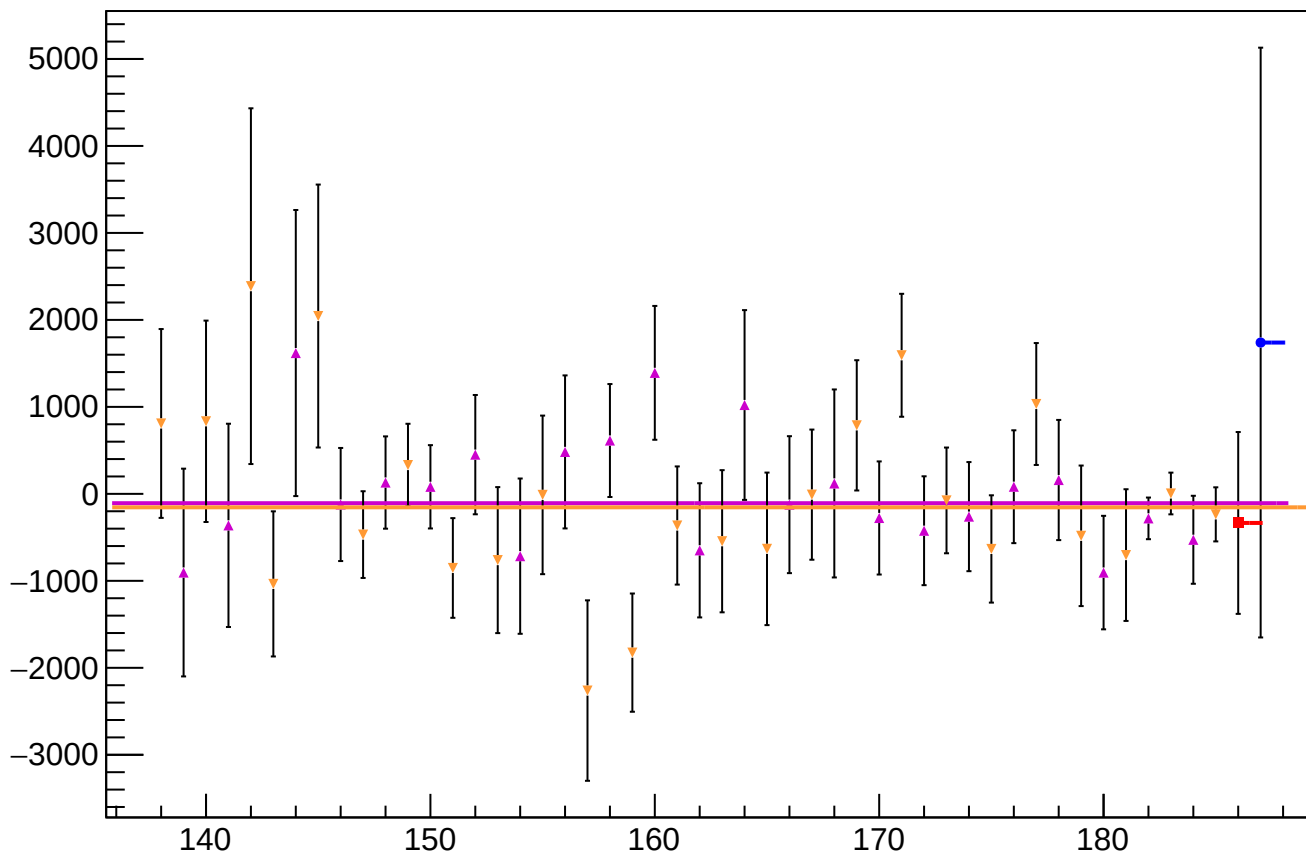
Right: 2017.147+/-0.388 χ^2/NDF : 1531171.9/37

In: 1882.124+/-0.272 χ^2/NDF : 985014.1/40

Out: 1895.585+/-0.266 χ^2/NDF : 723607.1/44

All: 1889.005+/-0.190 χ^2/NDF : 1709870.4/85

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: 1739.451+/-3390.395 χ^2/NDF : 0.0/0

Left Out: -154.845+/-119.654 χ^2/NDF :33.0/24

Right Out: -334.357+/-1045.300 χ^2/NDF : 0.0/0

Left In: -107.387+/-127.580 χ^2/NDF :13.5/22

Left: -132.636+/-87.276 χ^2/NDF : 46.6/47

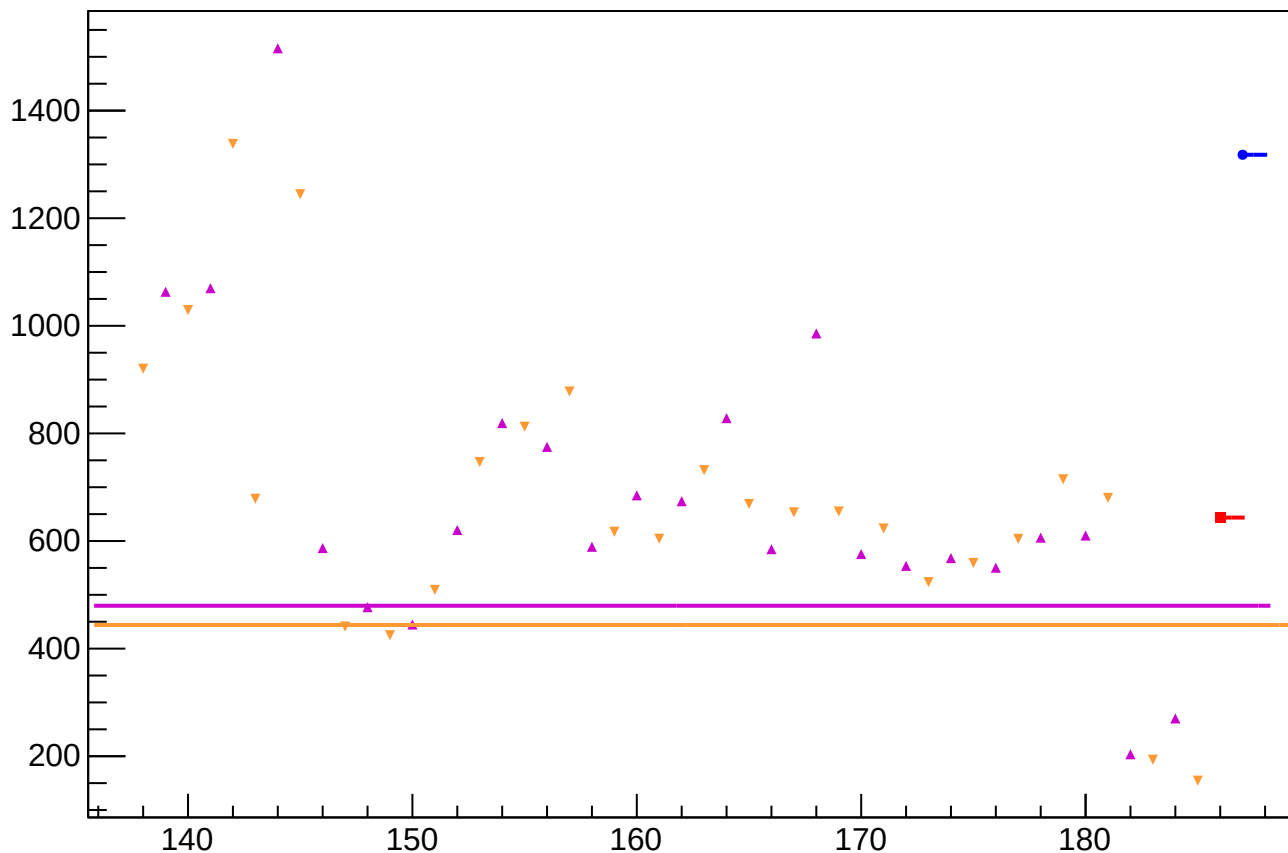
Right: -154.340+/-998.901 χ^2/NDF : 0.3/1

In: -104.776+/-127.490 χ^2/NDF :13.8/23

Out: -157.167+/-118.878 χ^2/NDF :33.0/25

All: -132.801+/-86.944 χ^2/NDF : 46.9/49

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 1317.939+/-2.397 χ^2/NDF : 0.0/0

Left Out: 443.961+/-0.085 χ^2/NDF : 8573133.3/24

Right Out: 643.583+/-0.739 χ^2/NDF : 0.0/0

Left In: 479.723+/-0.090 χ^2/NDF : 6734597.7/22

Left: 460.697+/-0.062 χ^2/NDF : 15391334.0/47

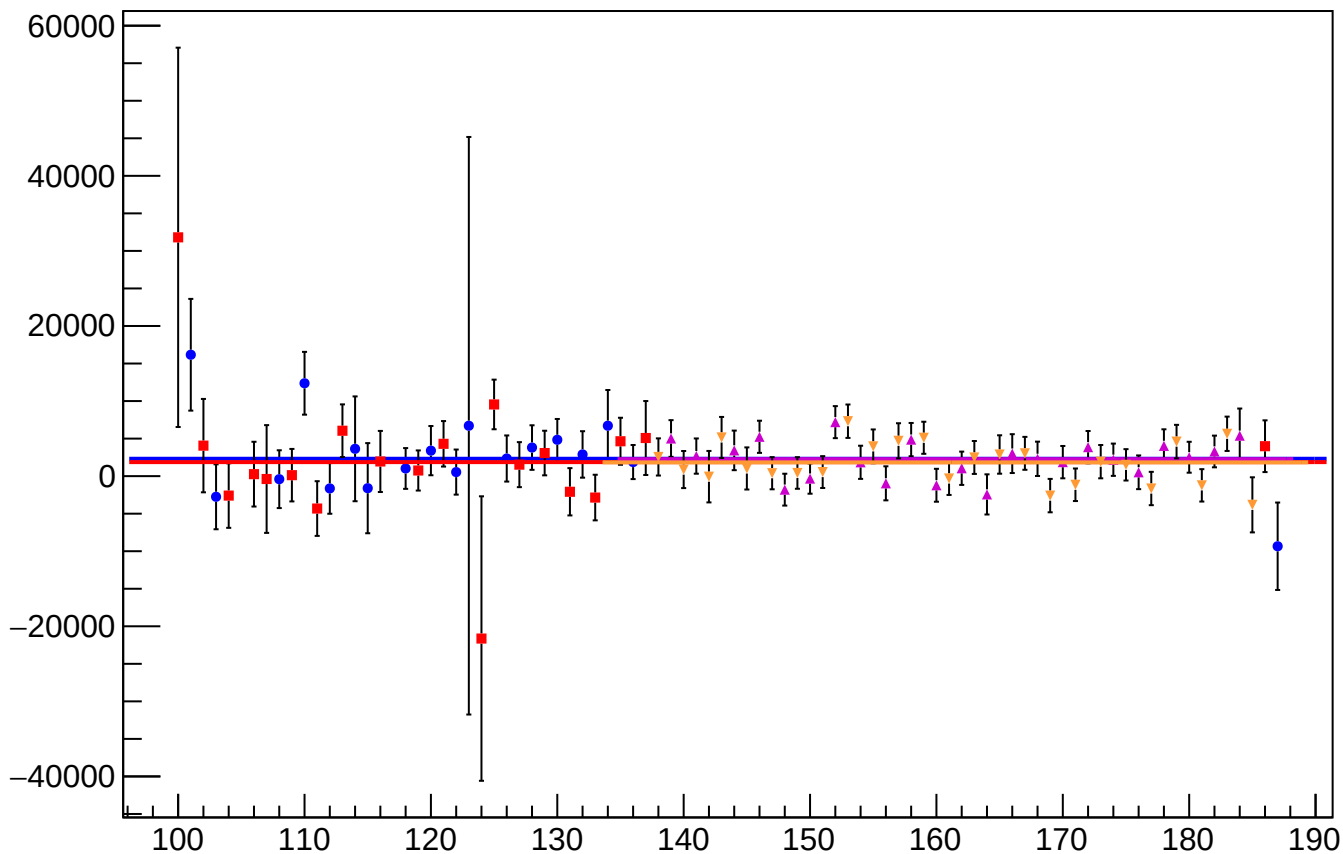
Right: 702.120+/-0.706 χ^2/NDF : 72255.6/1

In: 480.908+/-0.090 χ^2/NDF : 6856672.7/23

Out: 446.543+/-0.084 χ^2/NDF : 8645129.3/25

All: 462.526+/-0.061 χ^2/NDF : 15579531.6/49

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2314.763 $\pm$ 846.979 χ^2/NDF : 19.7/17

Left Out: 1834.720 $\pm$ 463.777 χ^2/NDF : 32.8/24

Right Out: 1867.588 $\pm$ 828.178 χ^2/NDF : 20.9/19

Left In: 2260.178 $\pm$ 472.324 χ^2/NDF : 26.3/22

Left: 2043.565 $\pm$ 330.920 χ^2/NDF : 59.5/47

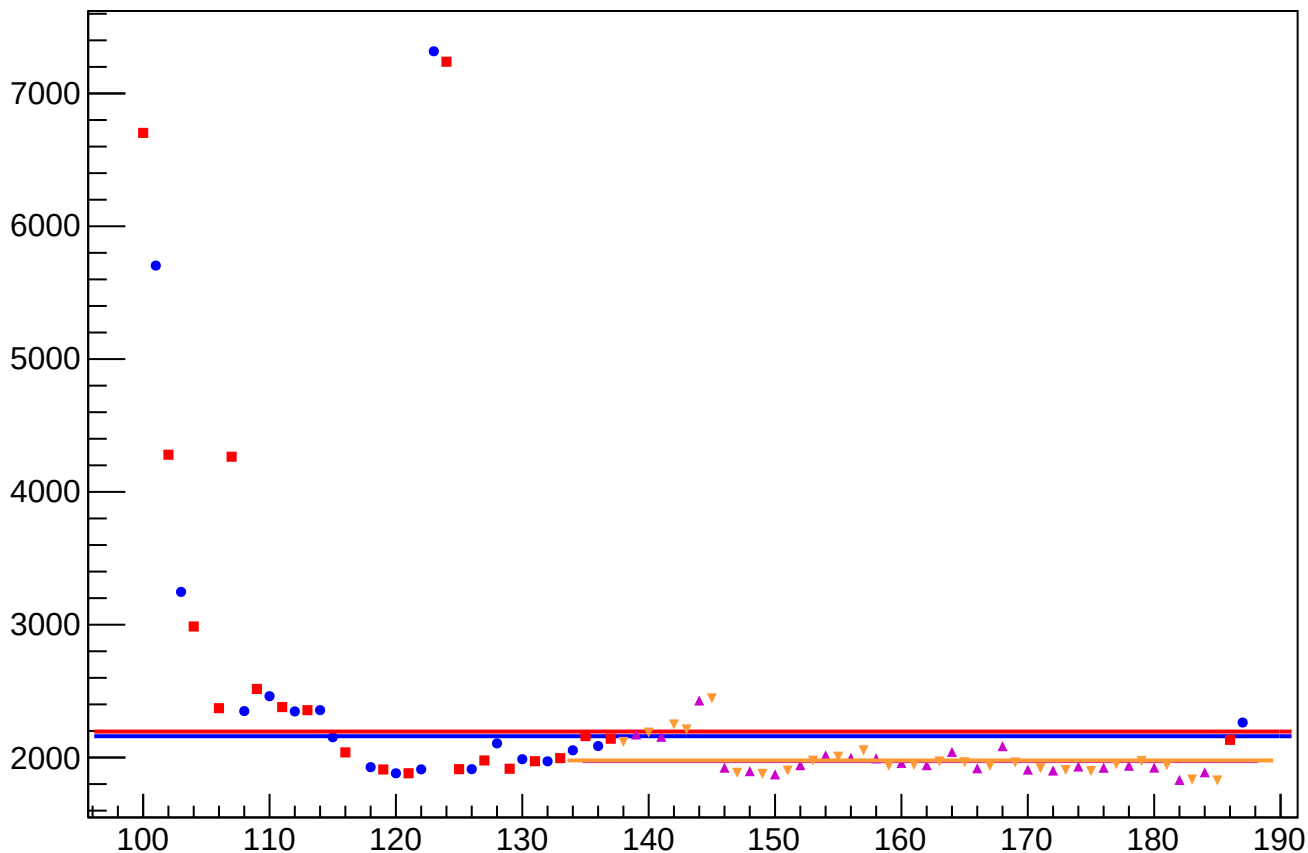
Right: 2086.157 $\pm$ 592.145 χ^2/NDF : 40.7/37

In: 2273.126 $\pm$ 412.517 χ^2/NDF : 46.0/40

Out: 1842.567 $\pm$ 404.649 χ^2/NDF : 53.7/44

All: 2053.701 $\pm$ 288.871 χ^2/NDF : 100.2/85

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2160.379+/-0.599 χ^2/NDF : 714503.6/17

Left Out: 1978.045+/-0.328 χ^2/NDF : 137699.3/24

Right Out: 2195.515+/-0.586 χ^2/NDF : 803719.3/19

Left In: 1973.216+/-0.334 χ^2/NDF : 120479.3/22

Left: 1975.675+/-0.234 χ^2/NDF : 258285.0/47

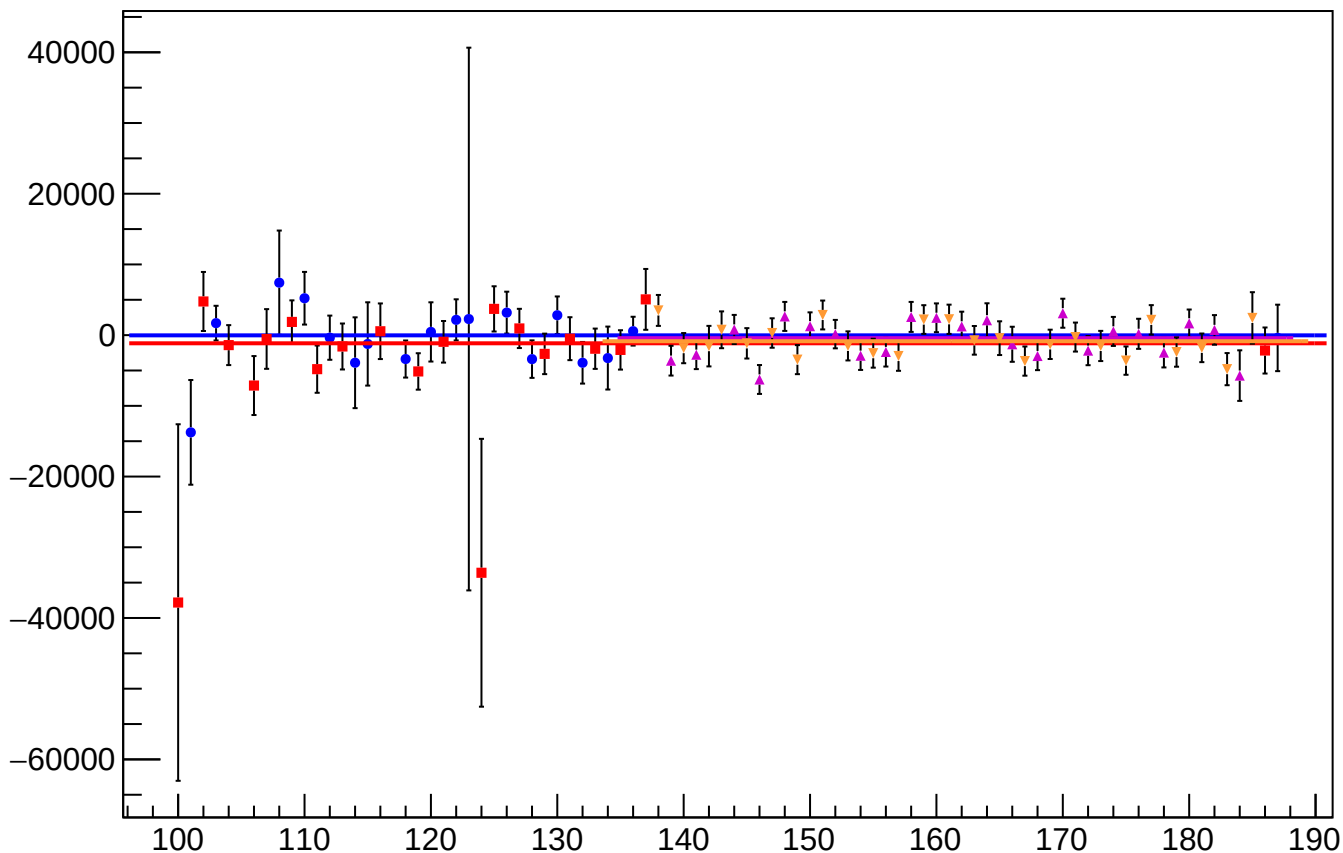
Right: 2178.341+/-0.419 χ^2/NDF : 1519982.4/37

In: 2017.614+/-0.292 χ^2/NDF : 909478.0/40

Out: 2029.962+/-0.286 χ^2/NDF : 1046402.1/44

All: 2023.907+/-0.204 χ^2/NDF : 1956793.4/85

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -28.838 ± 790.000 χ^2/NDF : 15.9/17

Left Out: -858.637 ± 431.465 χ^2/NDF : 26.9/24

Right Out: -1152.512 ± 749.071 χ^2/NDF : 19.5/19

Left In: -427.682 ± 439.561 χ^2/NDF : 33.7/22

Left: -647.165 ± 307.914 χ^2/NDF : 61.1/47

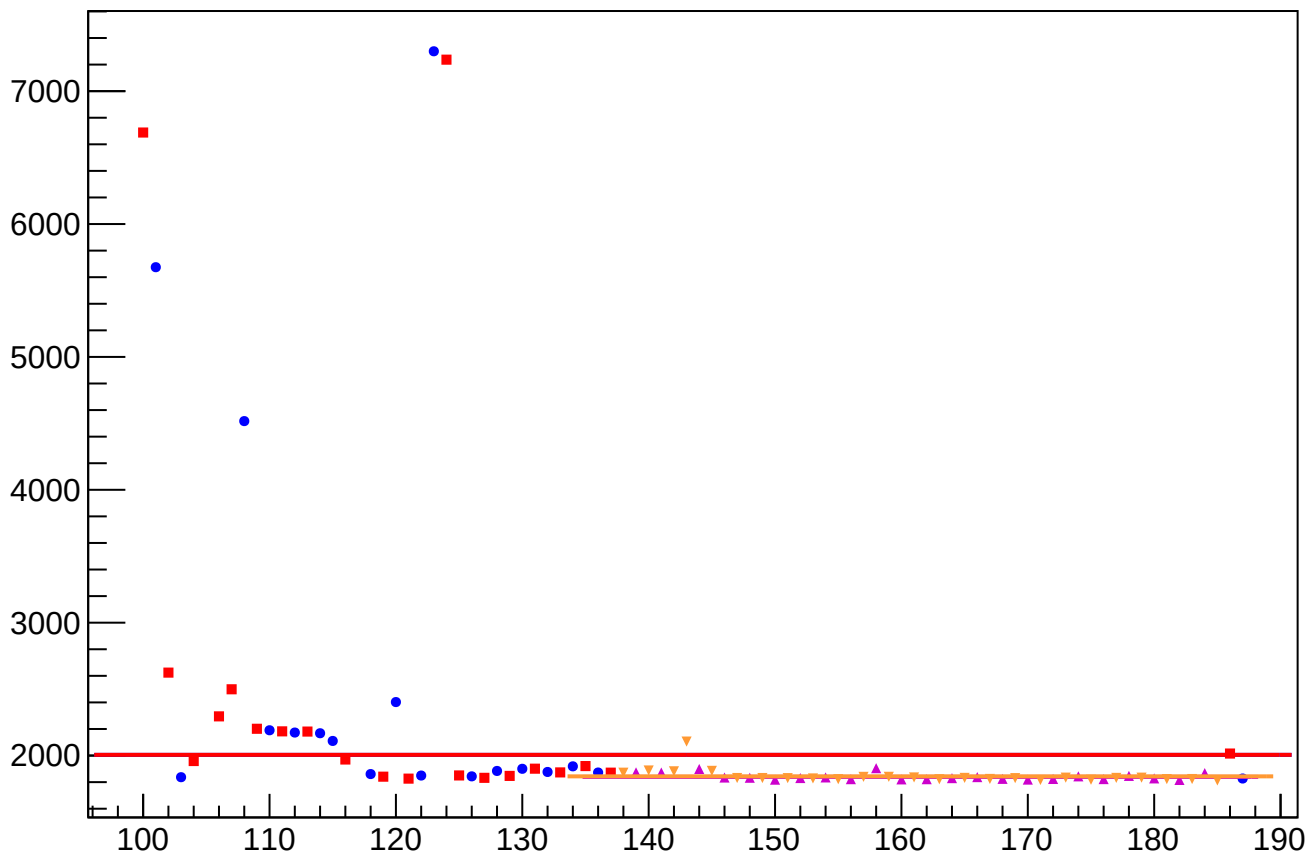
Right: -620.536 ± 543.567 χ^2/NDF : 36.4/37

In: -333.395 ± 384.107 χ^2/NDF : 49.7/40

Out: -931.848 ± 373.878 χ^2/NDF : 46.5/44

All: -640.696 ± 267.915 χ^2/NDF : 97.5/85

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2005.102+/-0.559 χ^2/NDF : 842692.7/17

Left Out: 1843.534+/-0.305 χ^2/NDF : 24974.2/24

Right Out: 2005.429+/-0.530 χ^2/NDF : 367532.0/19

Left In: 1839.431+/-0.311 χ^2/NDF : 6418.5/22

Left: 1841.521+/-0.218 χ^2/NDF : 31481.4/47

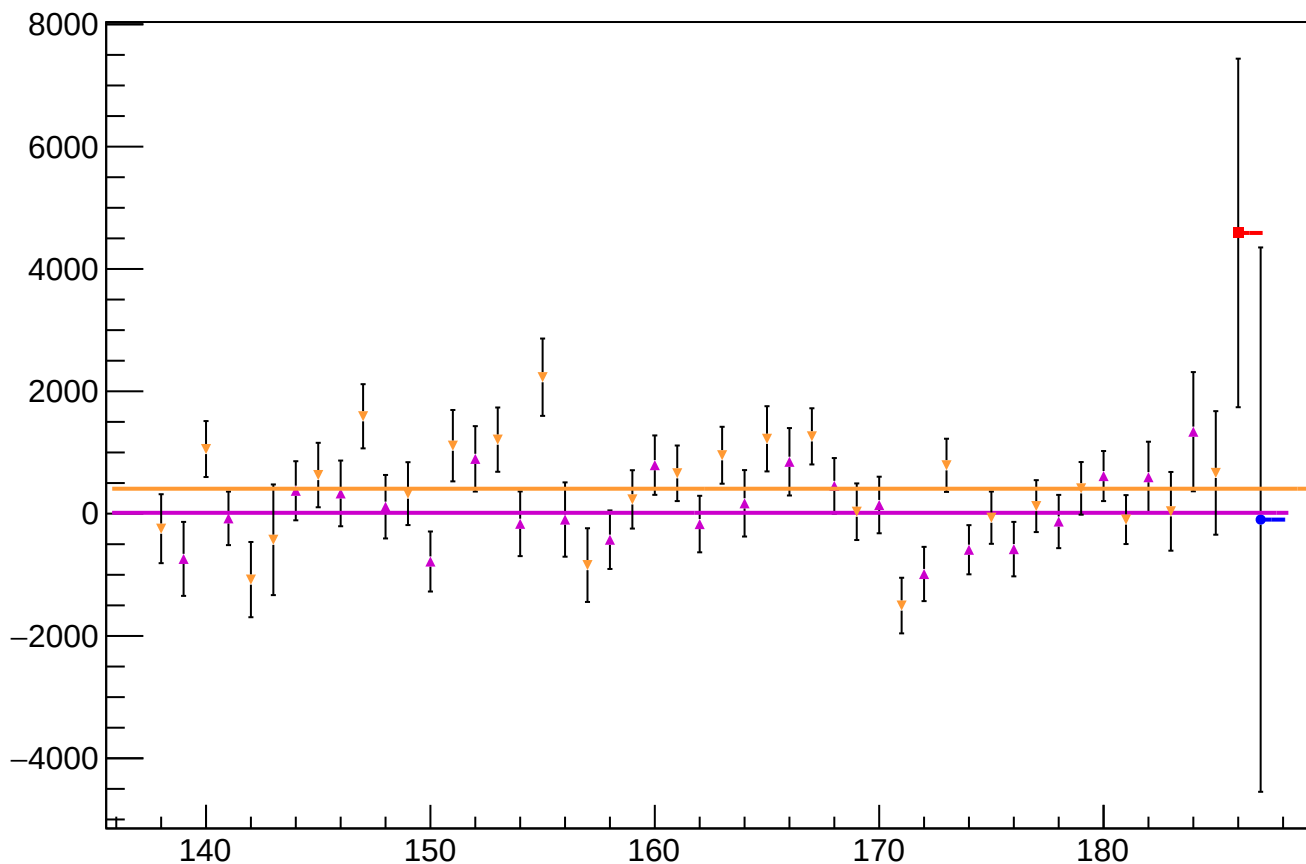
Right: 2005.274+/-0.384 χ^2/NDF : 1210224.9/37

In: 1878.596+/-0.272 χ^2/NDF : 916274.5/40

Out: 1883.866+/-0.264 χ^2/NDF : 462654.8/44

All: 1881.302+/-0.189 χ^2/NDF : 1379122.5/85

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: -97.837 $\pm$ 4449.956 χ^2 /NDF: 0.0/0

Left Out: 407.320 $\pm$ 101.221 χ^2 /NDF: 62.1/24

Right Out: 4588.898 $\pm$ 2849.322 χ^2 /NDF: 0.0/0

Left In: 13.395 $\pm$ 102.912 χ^2 /NDF: 29.2/22

Left: 213.621 $\pm$ 72.165 χ^2 /NDF: 98.8/47

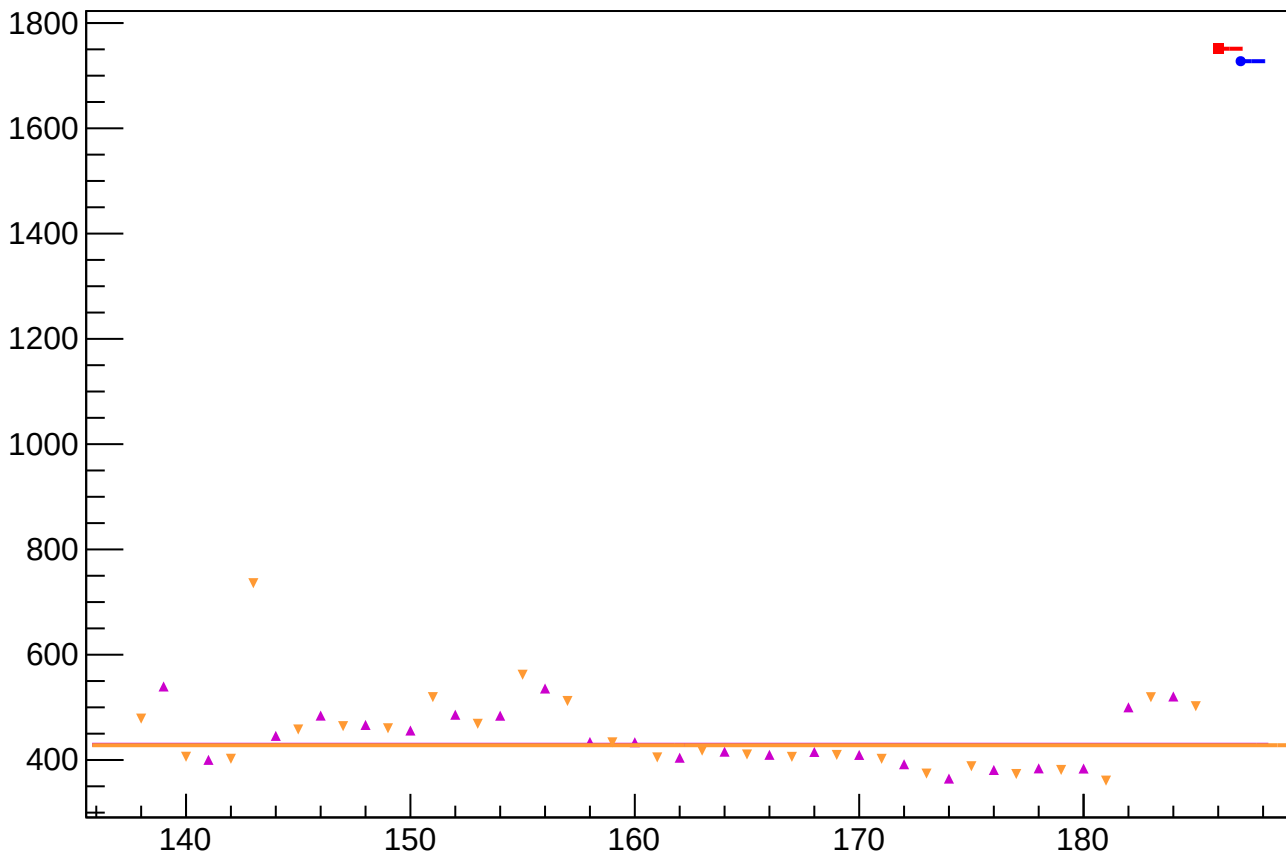
Right: 3226.116 $\pm$ 2399.572 χ^2 /NDF: 0.8/1

In: 13.335 $\pm$ 102.885 χ^2 /NDF: 29.2/23

Out: 412.591 $\pm$ 101.158 χ^2 /NDF: 64.3/25

All: 216.343 $\pm$ 72.132 χ^2 /NDF: 101.2/49

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 1727.493+/-3.147 χ^2/NDF : 0.0/0

Left Out: 428.052+/-0.072 χ^2/NDF : 704731.3/24

Right Out: 1751.181+/-2.015 χ^2/NDF : 0.0/0

Left In: 428.926+/-0.073 χ^2/NDF : 418755.3/22

Left: 428.482+/-0.051 χ^2/NDF : 1123560.0/47

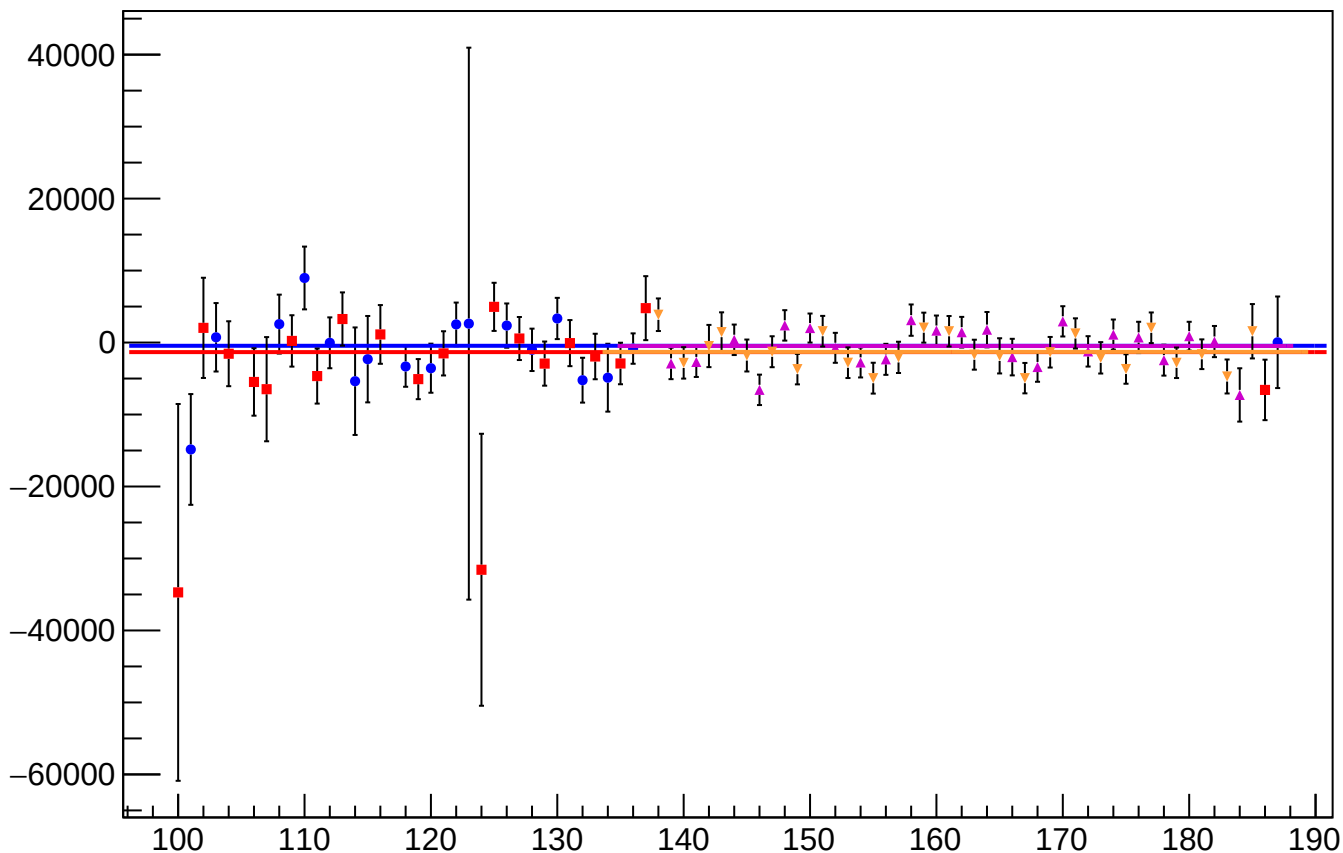
Right: 1744.293+/-1.697 χ^2/NDF : 40.2/1

In: 429.621+/-0.073 χ^2/NDF : 588976.8/23

Out: 429.720+/-0.072 χ^2/NDF : 1135460.1/25

All: 429.671+/-0.051 χ^2/NDF : 1724437.8/49

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -449.325+/-857.257 χ^2/NDF : 18.1/17

Left Out: -1294.152+/-444.151 χ^2/NDF : 29.6/24

Right Out: -1328.215+/-849.251 χ^2/NDF : 18.5/19

Left In: -485.827+/-452.020 χ^2/NDF : 32.4/22

Left: -897.086+/-316.808 χ^2/NDF : 63.7/47

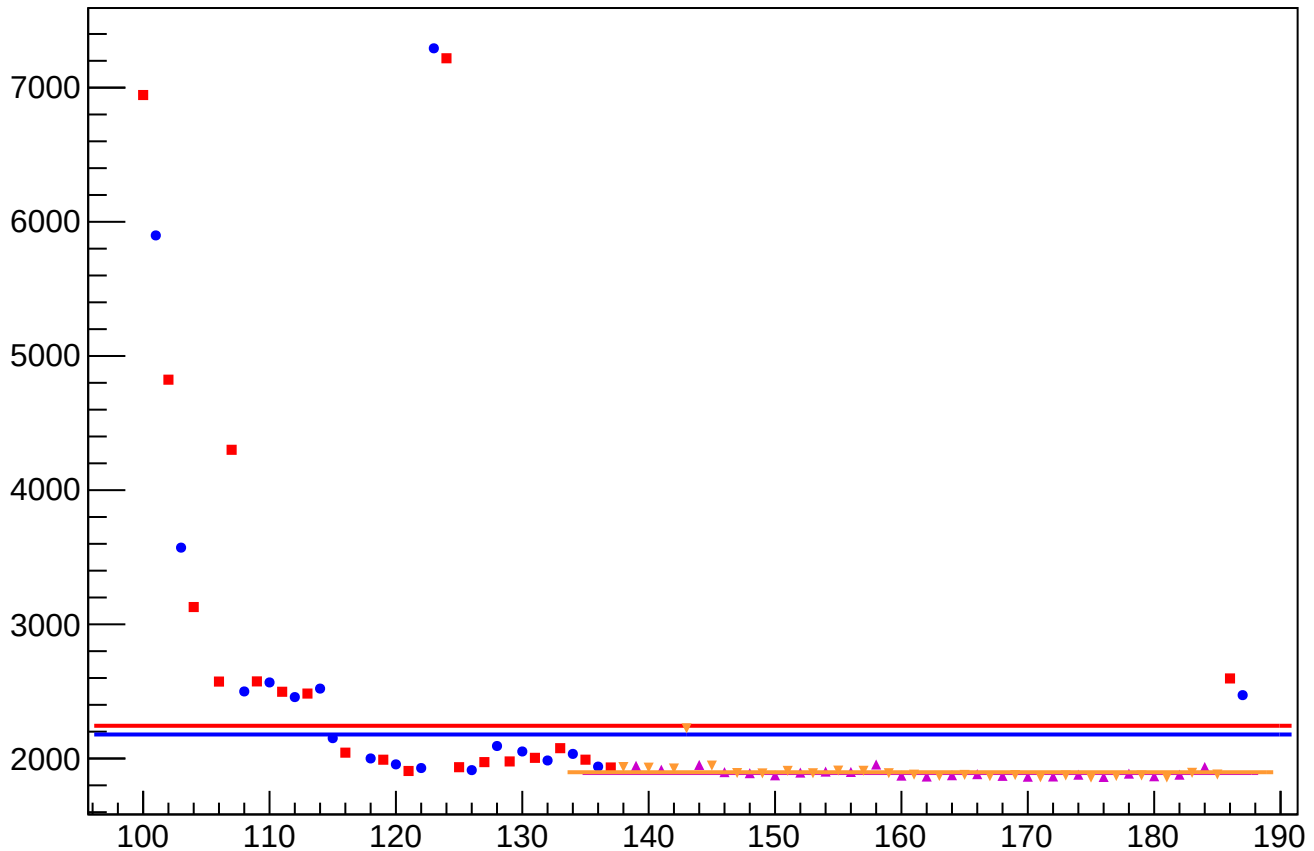
Right: -892.893+/-603.322 χ^2/NDF : 37.1/37

In: -477.886+/-399.841 χ^2/NDF : 50.5/40

Out: -1301.468+/-393.576 χ^2/NDF : 48.2/44

All: -896.180+/-280.489 χ^2/NDF : 100.8/85

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2178.956+/-0.606 χ^2/NDF : 809692.6/17

Left Out: 1897.670+/-0.314 χ^2/NDF : 35089.1/24

Right Out: 2243.929+/-0.601 χ^2/NDF : 910574.0/19

Left In: 1891.722+/-0.320 χ^2/NDF : 7584.2/22

Left: 1894.748+/-0.224 χ^2/NDF : 42849.4/47

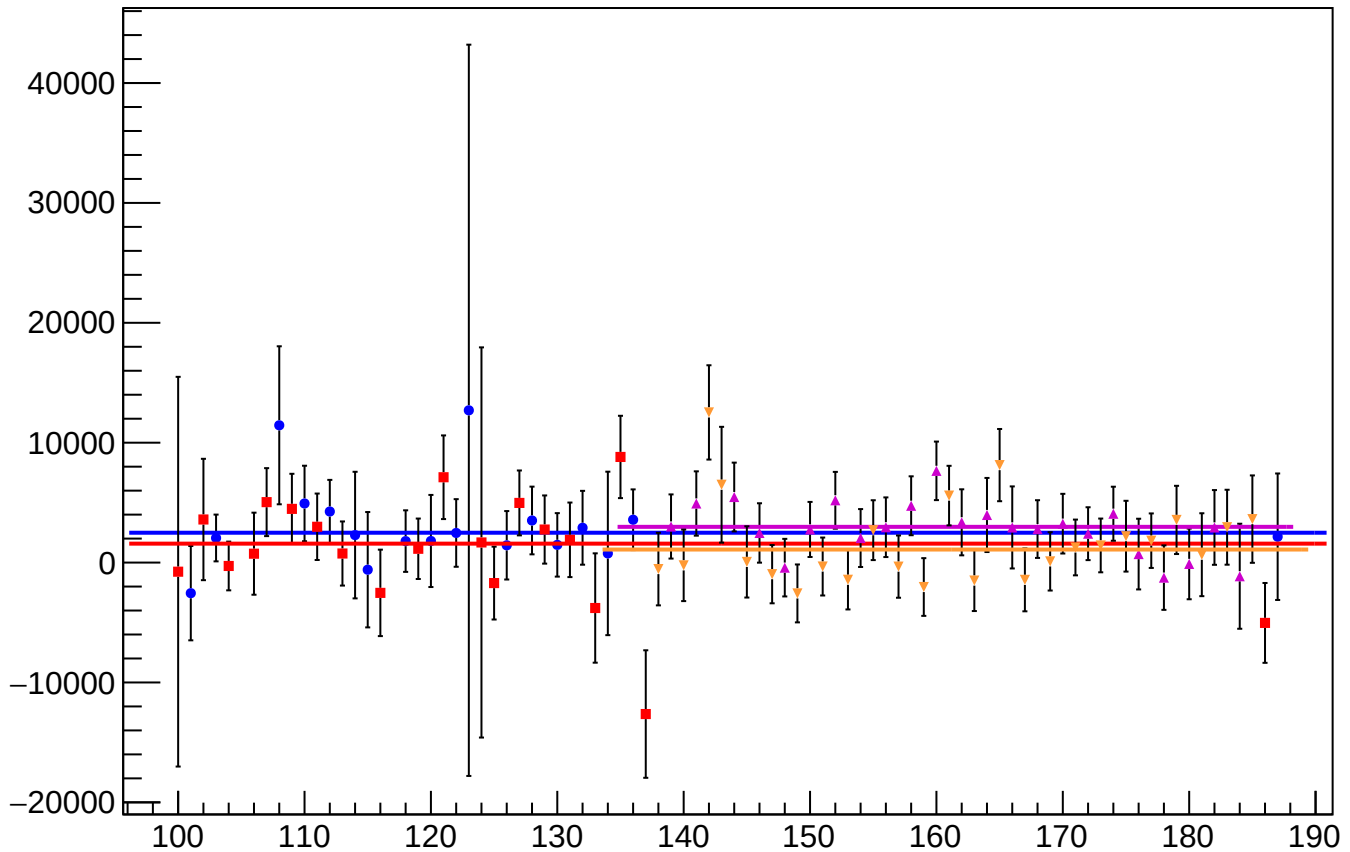
Right: 2211.747+/-0.427 χ^2/NDF : 1726065.0/37

In: 1954.209+/-0.283 χ^2/NDF : 992962.5/40

Out: 1972.038+/-0.278 χ^2/NDF : 1206732.8/44

All: 1963.264+/-0.198 χ^2/NDF : 2201715.0/85

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2489.540 $\pm$ 760.274 χ^2 /NDF: 5.9/17

Left Out: 1087.902 $\pm$ 540.984 χ^2 /NDF:29.9/24

Right Out: 1579.362 $\pm$ 719.398 χ^2 /NDF: 27.6/19

Left In: 2981.160 $\pm$ 546.107 χ^2 /NDF:14.0/22

Left: 2025.608 $\pm$ 384.332 χ^2 /NDF: 50.0/47

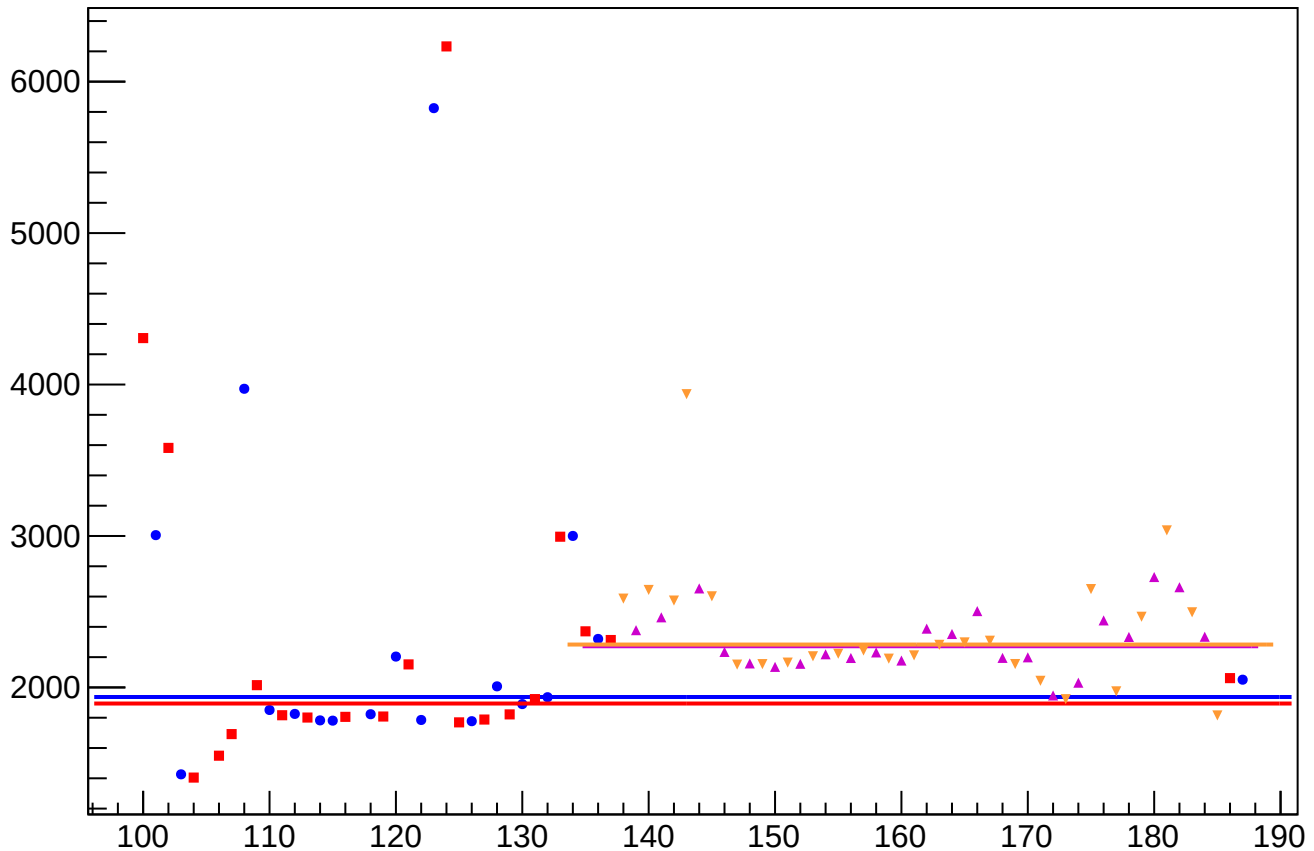
Right: 2009.327 $\pm$ 522.544 χ^2 /NDF: 34.2/37

In: 2813.836 $\pm$ 443.541 χ^2 /NDF:20.2/40

Out: 1265.429 $\pm$ 432.373 χ^2 /NDF:57.8/44

All: 2019.892 $\pm$ 309.607 χ^2 /NDF: 84.2/85

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1936.830+/-0.538 χ^2/NDF : 639880.1/17

Left Out: 2283.204+/-0.383 χ^2/NDF : 634430.6/24

Right Out: 1893.753+/-0.509 χ^2/NDF : 757412.6/19

Left In: 2271.946+/-0.386 χ^2/NDF : 243546.3/22

Left: 2277.628+/-0.272 χ^2/NDF : 878405.9/47

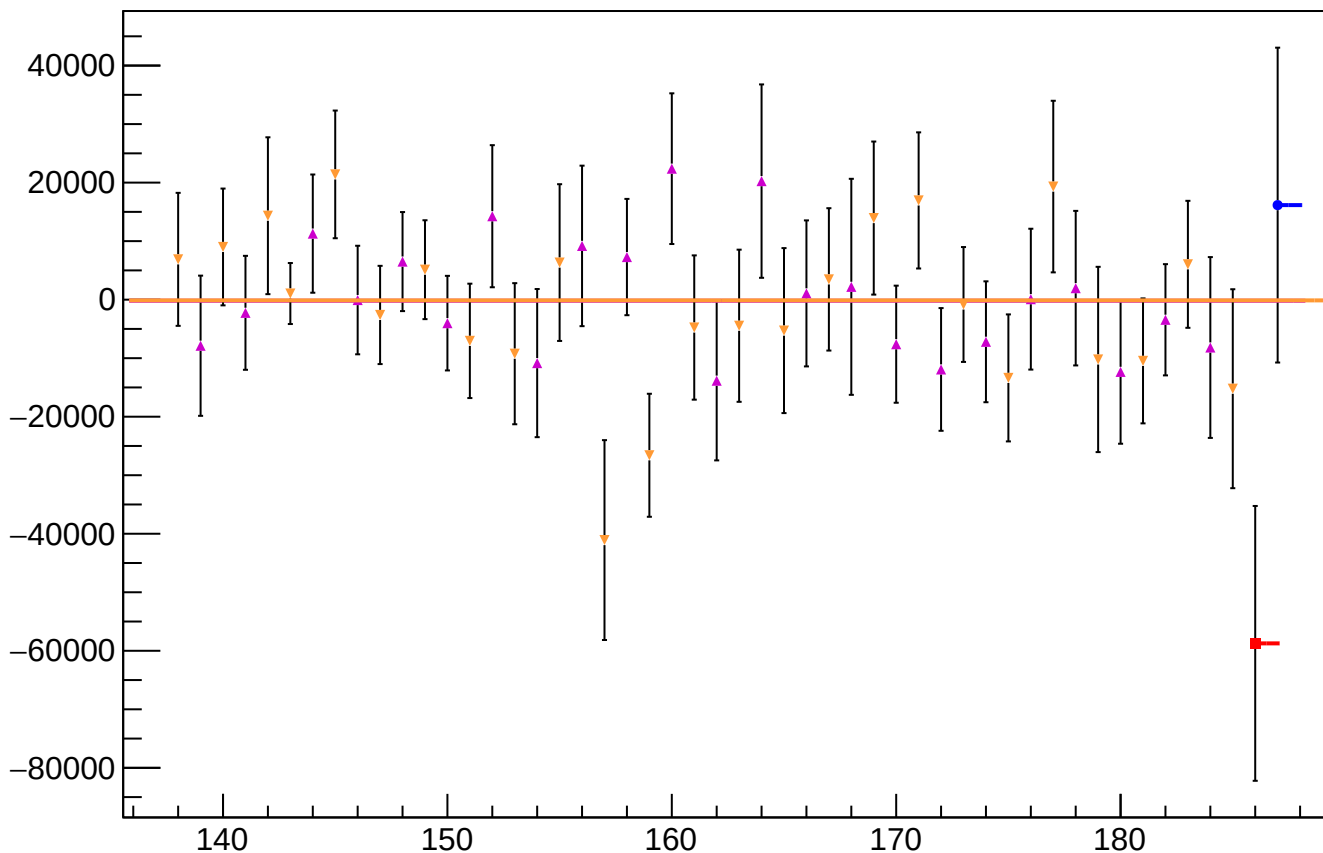
Right: 1914.098+/-0.369 χ^2/NDF : 1400680.8/37

In: 2157.888+/-0.314 χ^2/NDF : 1139753.2/40

Out: 2142.493+/-0.306 χ^2/NDF : 1766335.9/44

All: 2149.994+/-0.219 χ^2/NDF : 2907324.6/85

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: 16157.209 $\pm$ 26900.846 χ^2 /NDF: 0.0/0

Left Out: -124.370 $\pm$ 2141.976 χ^2 /NDF:29.7/24

Right Out: -58734.843 $\pm$ 23480.905 χ^2 /NDF: 0.0/0

Left In: -185.013 $\pm$ 2330.398 χ^2 /NDF:15.0/22

Left: -152.141 $\pm$ 1577.017 χ^2 /NDF: 44.7/47

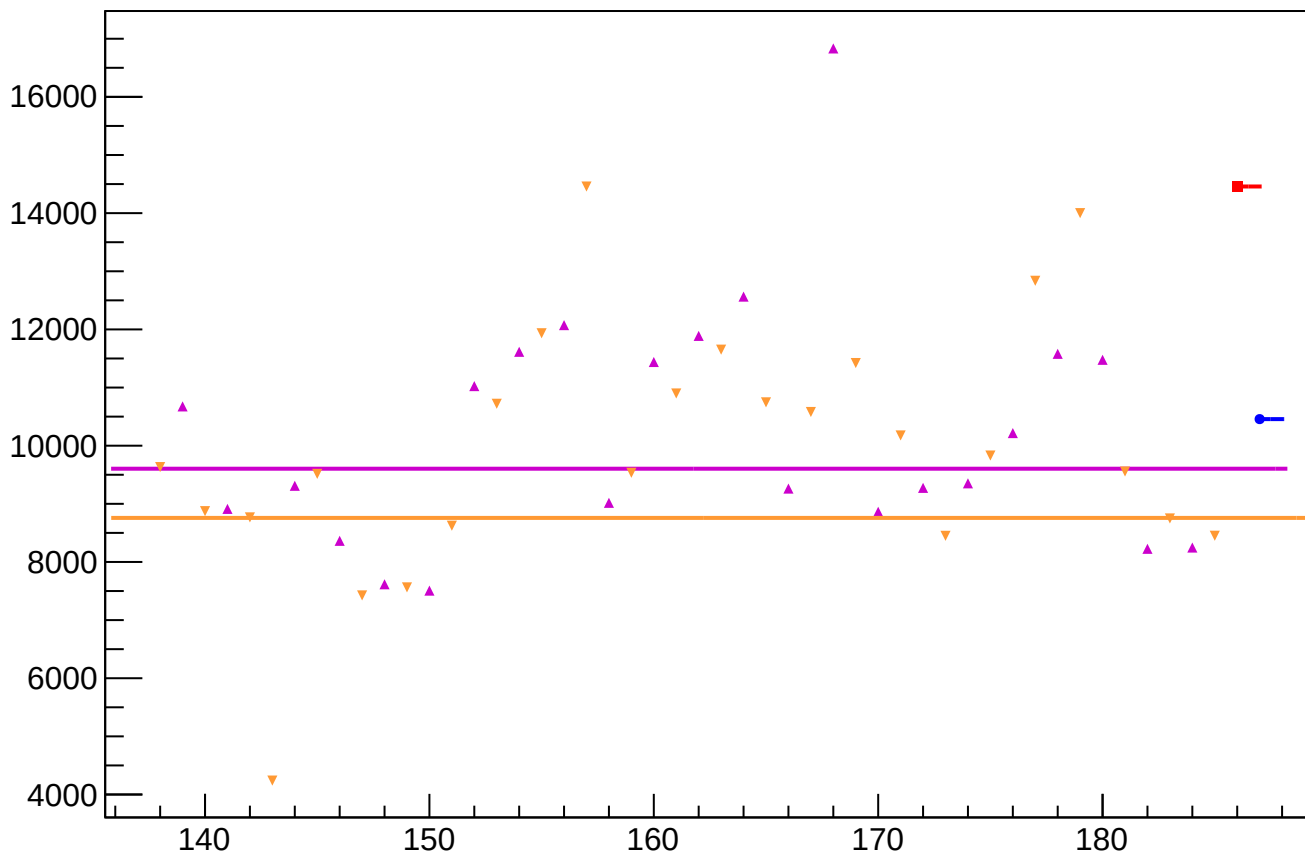
Right: -26349.214 $\pm$ 17689.854 χ^2 /NDF: 4.4/1

In: -63.284 $\pm$ 2321.702 χ^2 /NDF:15.4/23

Out: -608.070 $\pm$ 2133.119 χ^2 /NDF:35.9/25

All: -358.698 $\pm$ 1570.788 χ^2 /NDF: 51.3/49

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 10457.212 $\pm$ 19.022 χ^2 /NDF: 0.0/0

Left Out: 8757.819 $\pm$ 1.515 χ^2 /NDF:2779104.9/24

Right Out: 14458.565 $\pm$ 16.604 χ^2 /NDF: 0.0/0

Left In: 9604.027 $\pm$ 1.648 χ^2 /NDF:1095805.7/22

Left: 9145.335 $\pm$ 1.115 χ^2 /NDF: 4017855.5/47

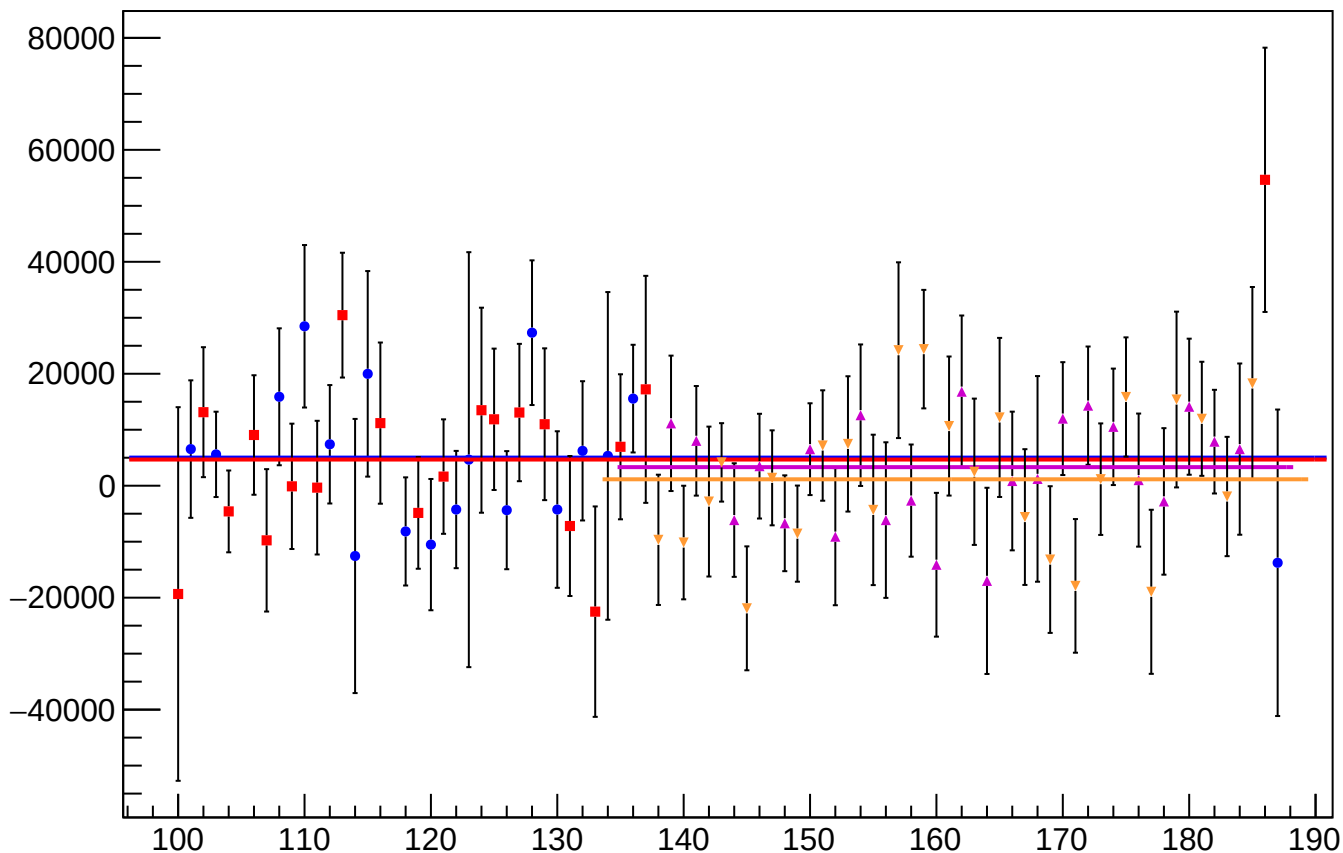
Right: 12728.257 $\pm$ 12.509 χ^2 /NDF: 25114.9/1

In: 9610.382 $\pm$ 1.642 χ^2 /NDF:1097802.5/23

Out: 8804.866 $\pm$ 1.508 χ^2 /NDF:2896018.5/25

All: 9173.586 $\pm$ 1.111 χ^2 /NDF: 4124369.2/49

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5020.947 ± 2929.250 $\chi^2/\text{NDF}: 15.0/17$

Left Out: 1145.185 ± 2232.341 $\chi^2/\text{NDF}: 27.9/24$

Right Out: 4674.315 ± 2771.128 $\chi^2/\text{NDF}: 20.2/19$

Left In: 3316.960 ± 2336.196 $\chi^2/\text{NDF}: 13.4/22$

Left: 2181.728 ± 1613.970 $\chi^2/\text{NDF}: 41.7/47$

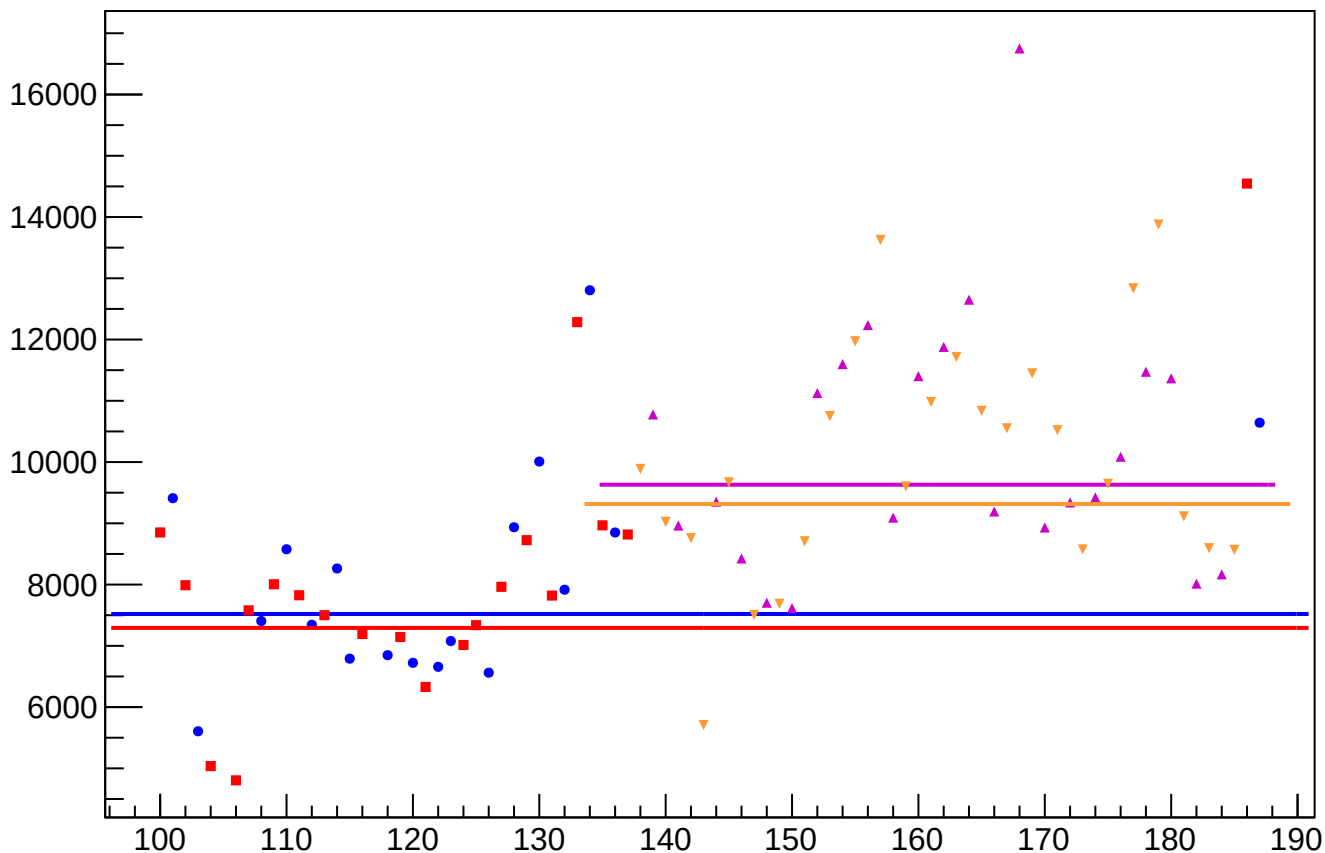
Right: 4838.023 ± 2013.063 $\chi^2/\text{NDF}: 35.1/37$

In: 3979.435 ± 1826.452 $\chi^2/\text{NDF}: 28.6/40$

Out: 2534.080 ± 1738.431 $\chi^2/\text{NDF}: 49.0/44$

All: 3221.092 ± 1259.224 $\chi^2/\text{NDF}: 77.9/85$

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7519.943 ± 2.071 $\chi^2/\text{NDF}: 458121.6/17$

Left Out: 9315.396 ± 1.579 $\chi^2/\text{NDF}: 1503512.6/24$

Right Out: 7292.781 ± 1.959 $\chi^2/\text{NDF}: 750230.7/19$

Left In: 9630.345 ± 1.652 $\chi^2/\text{NDF}: 1074643.5/22$

Left: 9465.715 ± 1.141 $\chi^2/\text{NDF}: 2597156.4/47$

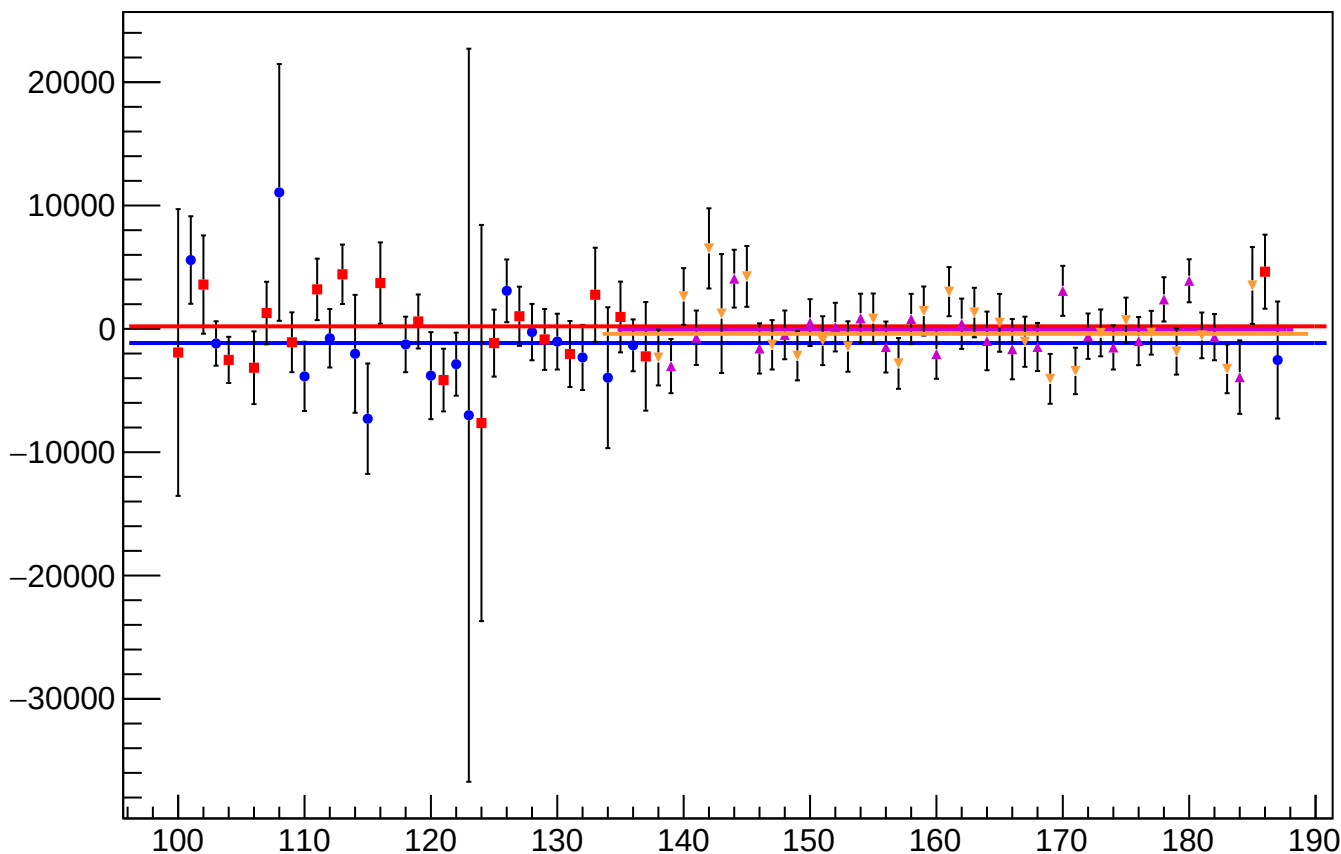
Right: 7400.054 ± 1.423 $\chi^2/\text{NDF}: 1214700.5/37$

In: 8809.839 ± 1.291 $\chi^2/\text{NDF}: 2167304.2/40$

Out: 8519.270 ± 1.229 $\chi^2/\text{NDF}: 2899998.1/44$

All: 8657.379 ± 0.890 $\chi^2/\text{NDF}: 5093862.2/85$

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -1148.755 $\pm$ 672.308 χ^2 /NDF: 12.3/17

Left Out: -403.389 $\pm$ 419.243 χ^2 /NDF: 28.9/24

Right Out: 203.572 $\pm$ 625.642 χ^2 /NDF: 17.8/19

Left In: -53.539 $\pm$ 422.570 χ^2 /NDF: 20.9/22

Left: -229.847 $\pm$ 297.619 χ^2 /NDF: 50.1/47

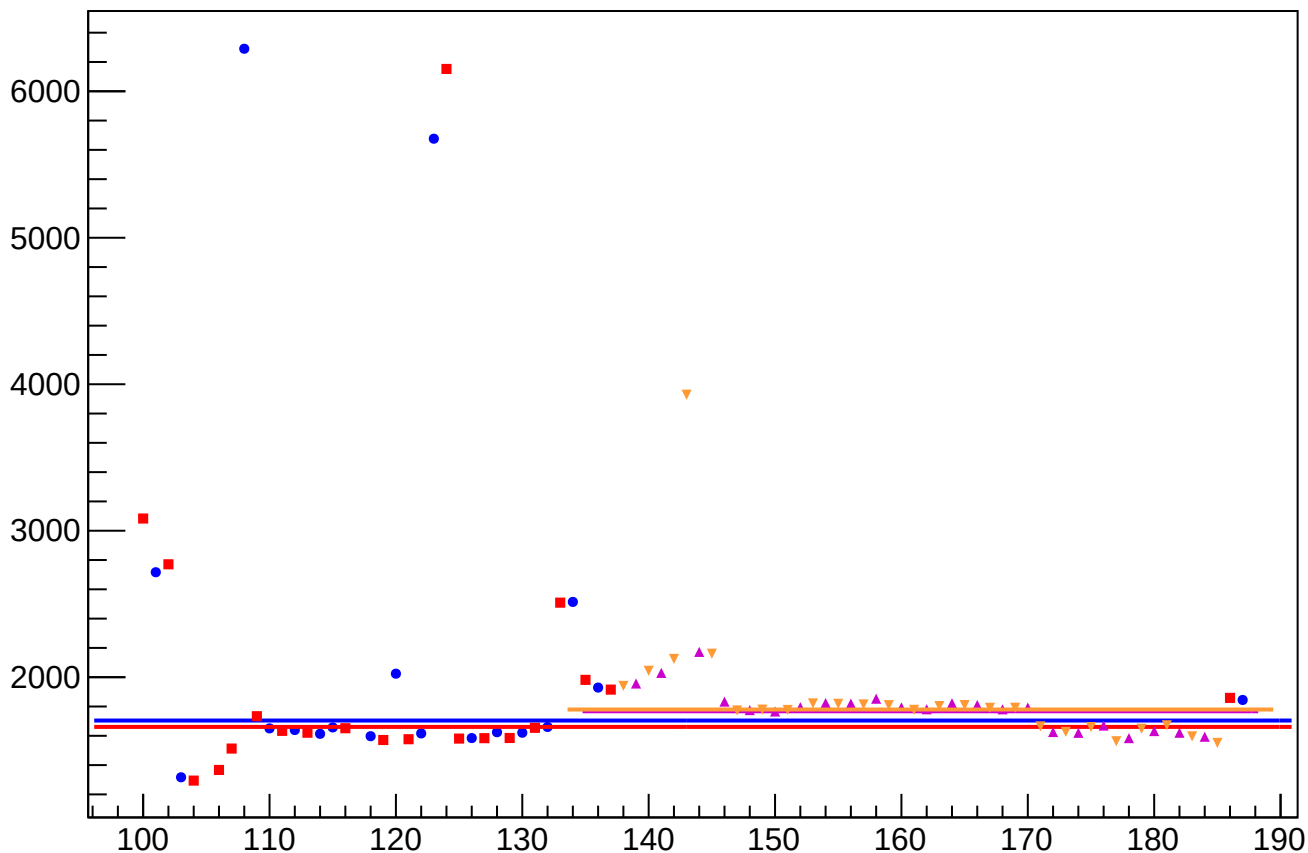
Right: -424.033 $\pm$ 458.005 χ^2 /NDF: 32.3/37

In: -363.686 $\pm$ 357.769 χ^2 /NDF: 35.1/40

Out: -215.301 $\pm$ 348.278 χ^2 /NDF: 47.3/44

All: -287.499 $\pm$ 249.558 χ^2 /NDF: 82.5/85

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1704.164 $\pm$ 0.475 χ^2 /NDF: 780511.0/17

Left Out: 1779.434 $\pm$ 0.296 χ^2 /NDF: 610925.0/24

Right Out: 1660.724 $\pm$ 0.442 χ^2 /NDF: 597942.8/19

Left In: 1767.314 $\pm$ 0.299 χ^2 /NDF: 196583.8/22

Left: 1773.422 $\pm$ 0.210 χ^2 /NDF: 808337.9/47

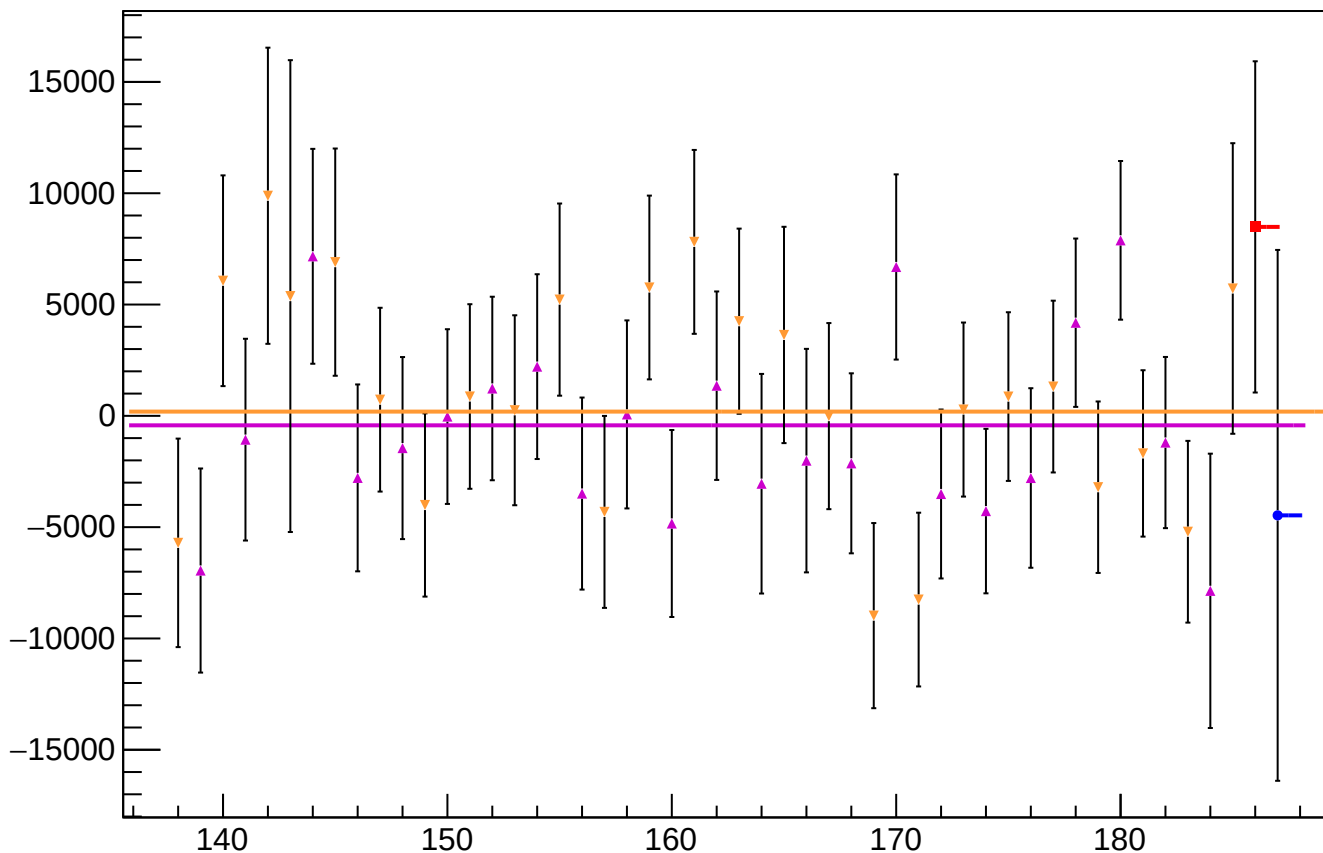
Right: 1680.884 $\pm$ 0.324 χ^2 /NDF: 1382928.5/37

In: 1749.431 $\pm$ 0.253 χ^2 /NDF: 989743.6/40

Out: 1742.647 $\pm$ 0.246 χ^2 /NDF: 1258558.9/44

All: 1745.948 $\pm$ 0.176 χ^2 /NDF: 2248671.6/85

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: -4470.319 ± 11923.582 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 191.104 ± 869.912 $\chi^2/\text{NDF}: 30.6/24$

Right Out: 8487.872 ± 7439.911 $\chi^2/\text{NDF}: 0.0/0$

Left In: -426.004 ± 874.870 $\chi^2/\text{NDF}: 21.3/22$

Left: -115.696 ± 616.866 $\chi^2/\text{NDF}: 52.1/47$

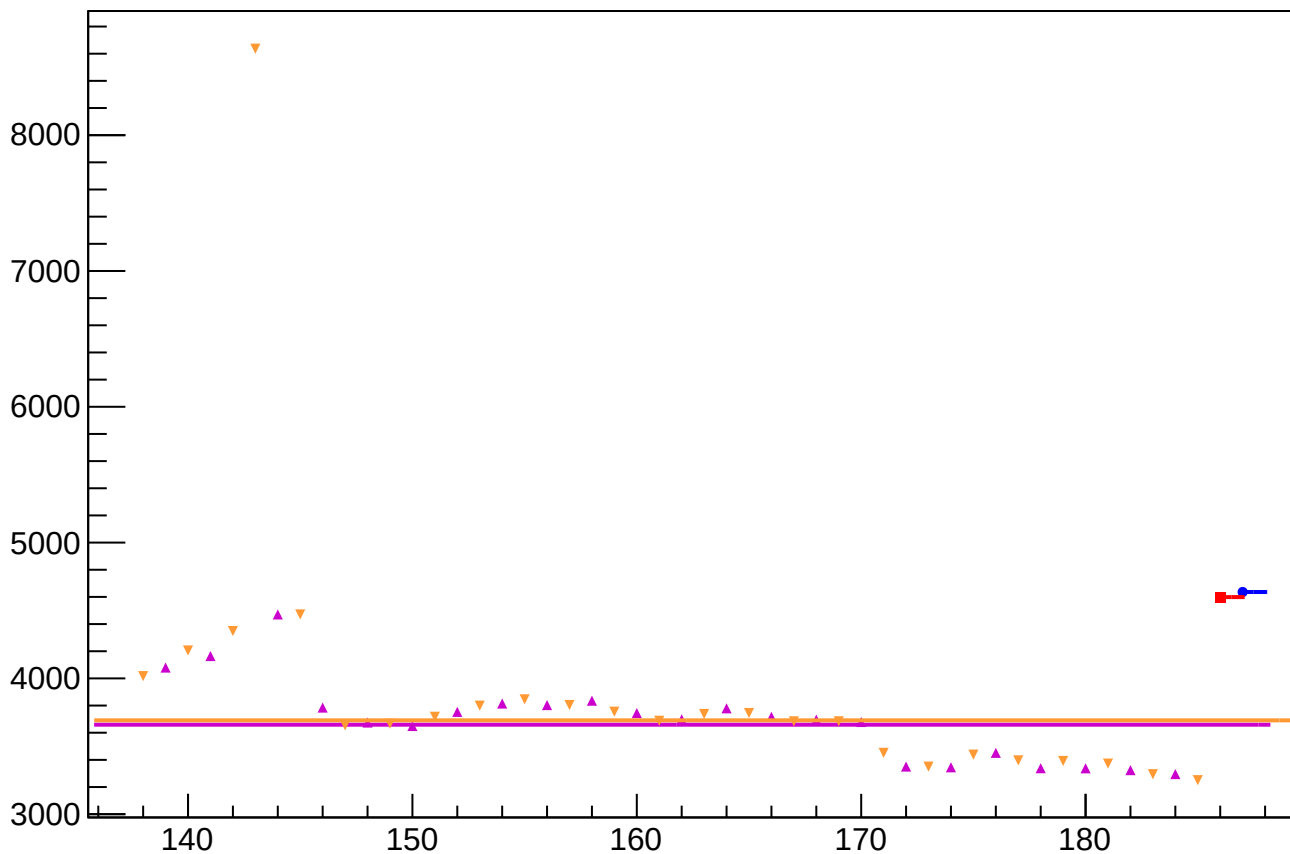
Right: 4856.591 ± 6311.963 $\chi^2/\text{NDF}: 0.9/1$

In: -447.661 ± 872.525 $\chi^2/\text{NDF}: 21.4/23$

Out: 303.003 ± 864.026 $\chi^2/\text{NDF}: 31.8/25$

All: -68.655 ± 613.941 $\chi^2/\text{NDF}: 53.6/49$

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 4636.091+/-8.431 χ^2/NDF : 0.0/0

Left Out: 3691.174+/-0.615 χ^2/NDF :639471.7/24

Right Out: 4598.665+/-5.261 χ^2/NDF : 0.0/0

Left In: 3659.086+/-0.619 χ^2/NDF :198077.1/22

Left: 3675.221+/-0.436 χ^2/NDF : 838901.7/47

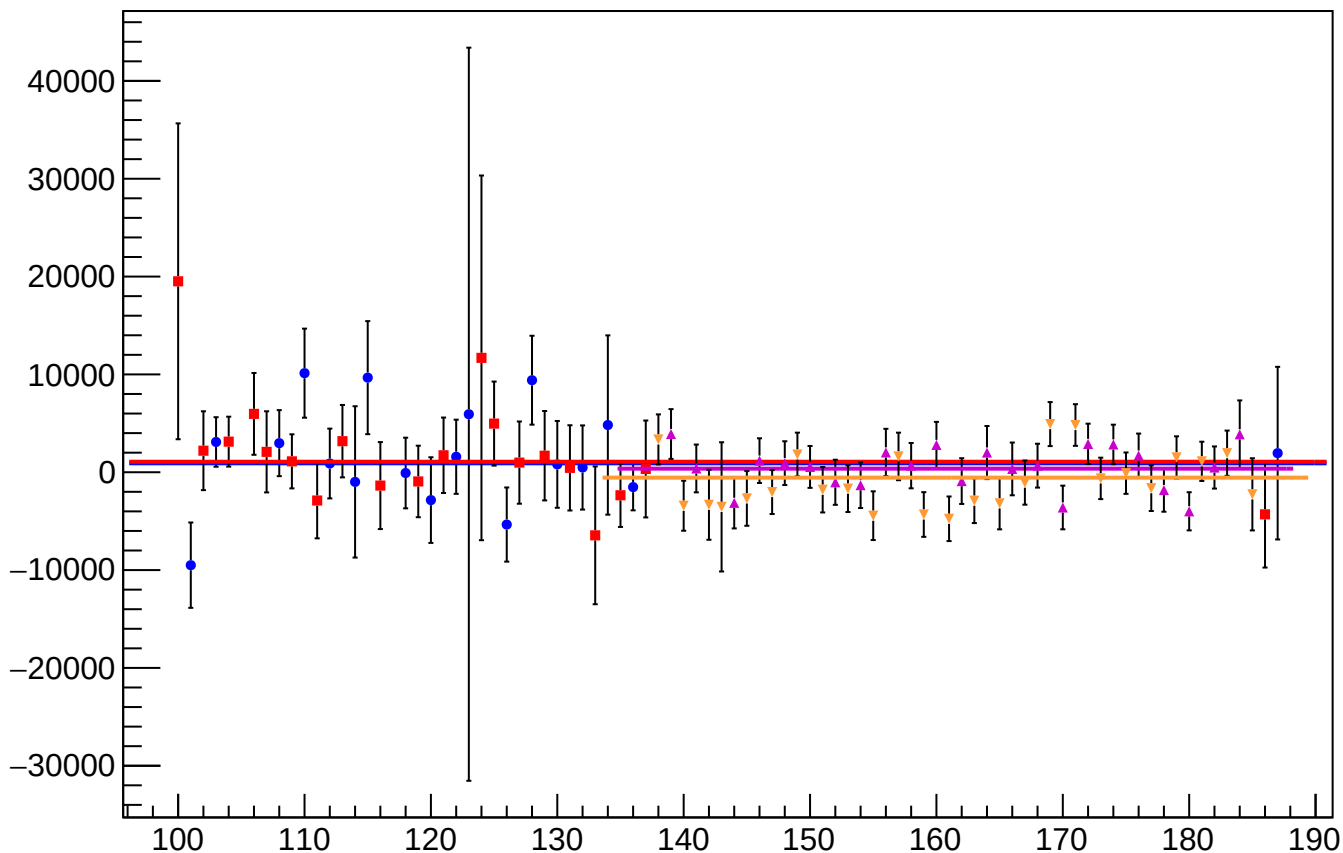
Right: 4609.153+/-4.463 χ^2/NDF : 14.2/1

In: 3664.318+/-0.617 χ^2/NDF :211433.1/23

Out: 3703.413+/-0.611 χ^2/NDF :668826.7/25

All: 3684.057+/-0.434 χ^2/NDF : 882287.2/49

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 915.593+/-956.250 χ^2/NDF : 21.6/17

Left Out: -551.411+/-481.630 χ^2/NDF :34.0/24

Right Out: 1075.279+/-911.924 χ^2/NDF : 9.9/19

Left In: 366.243+/-483.092 χ^2/NDF :20.5/22

Left: -93.975+/-341.080 χ^2/NDF : 56.4/47

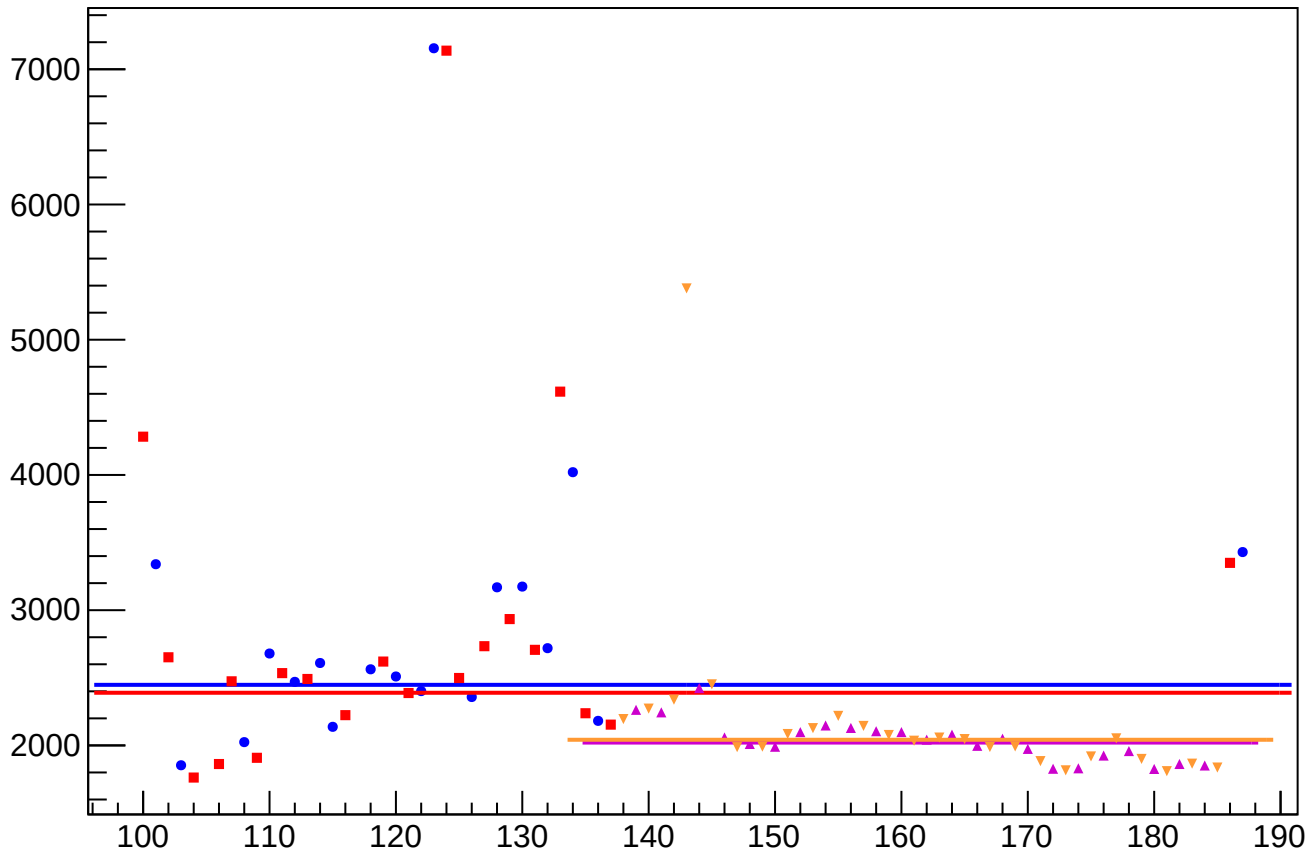
Right: 999.223+/-659.942 χ^2/NDF : 31.5/37

In: 477.941+/-431.191 χ^2/NDF :42.4/40

Out: -196.627+/-425.881 χ^2/NDF :46.4/44

All: 136.478+/-303.003 χ^2/NDF : 90.1/85

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2447.928 ± 0.676 $\chi^2/NDF: 493619.1/17$

Left Out: 2041.781 ± 0.341 $\chi^2/NDF: 706854.2/24$

Right Out: 2389.365 ± 0.645 $\chi^2/NDF: 720082.8/19$

Left In: 2021.065 ± 0.342 $\chi^2/NDF: 178726.2/22$

Left: 2031.455 ± 0.241 $\chi^2/NDF: 887424.8/47$

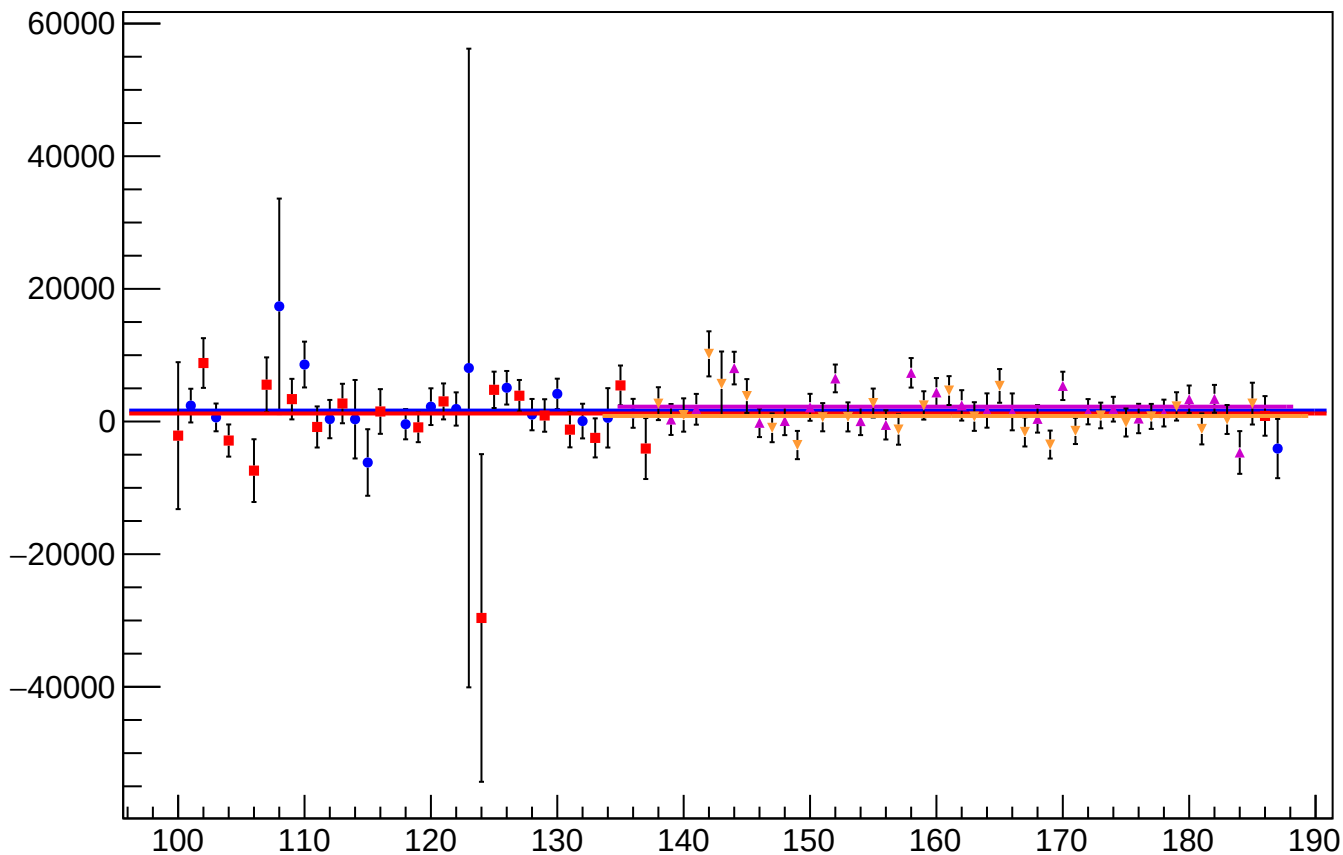
Right: 2417.258 ± 0.467 $\chi^2/NDF: 1217630.5/37$

In: 2107.859 ± 0.305 $\chi^2/NDF: 989846.7/40$

Out: 2117.590 ± 0.301 $\chi^2/NDF: 1654124.2/44$

All: 2112.785 ± 0.214 $\chi^2/NDF: 2644486.6/85$

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1645.118 $\pm$ 686.158 χ^2 /NDF: 14.1/17

Left Out: 837.426 $\pm$ 454.502 χ^2 /NDF: 32.3/24

Right Out: 1208.865 $\pm$ 689.021 χ^2 /NDF: 24.2/19

Left In: 2235.652 $\pm$ 457.720 χ^2 /NDF: 31.0/22

Left: 1531.607 $\pm$ 322.513 χ^2 /NDF: 68.0/47

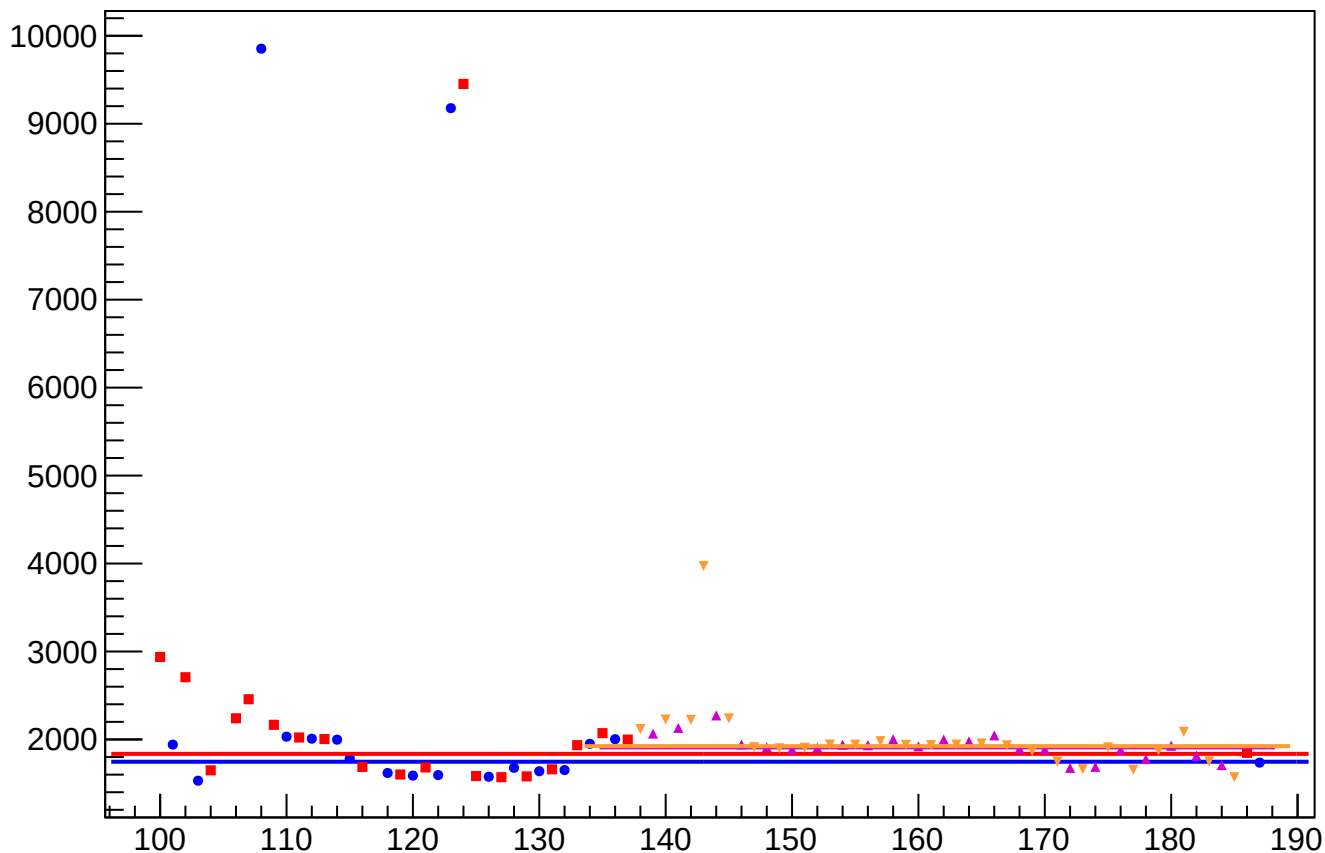
Right: 1427.900 $\pm$ 486.196 χ^2 /NDF: 38.5/37

In: 2053.795 $\pm$ 380.774 χ^2 /NDF: 45.6/40

Out: 950.044 $\pm$ 379.395 χ^2 /NDF: 56.8/44

All: 1499.918 $\pm$ 268.759 χ^2 /NDF: 106.6/85

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1746.591+/-0.485 χ^2/NDF : 682495.2/17

Left Out: 1924.077+/-0.321 χ^2/NDF : 583939.2/24

Right Out: 1836.067+/-0.487 χ^2/NDF : 550435.0/19

Left In: 1909.656+/-0.324 χ^2/NDF : 164475.5/22

Left: 1916.918+/-0.228 χ^2/NDF : 749414.3/47

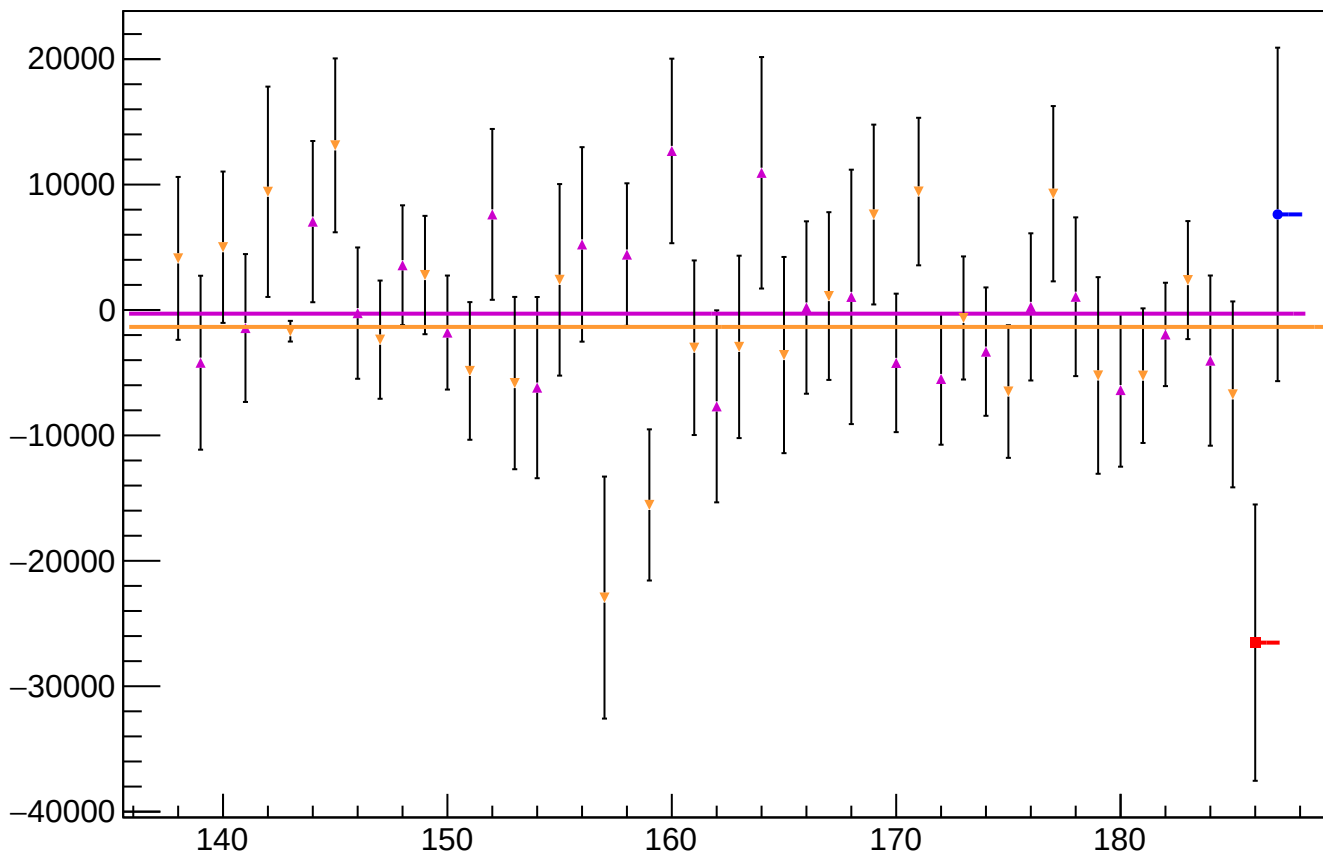
Right: 1791.193+/-0.344 χ^2/NDF : 1249883.2/37

In: 1859.440+/-0.269 χ^2/NDF : 925141.2/40

Out: 1897.351+/-0.268 χ^2/NDF : 1157147.9/44

All: 1878.470+/-0.190 χ^2/NDF : 2092241.3/85

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 7620.989 $\pm$ 13294.387 χ^2 /NDF: 0.0/0

Left Out: -1349.584 $\pm$ 690.658 χ^2 /NDF:30.9/24

Right Out: -26523.018 $\pm$ 11016.629 χ^2 /NDF: 0.0/0

Left In: -294.047 $\pm$ 1252.274 χ^2 /NDF:14.5/22

Left: -1103.398 $\pm$ 604.776 χ^2 /NDF: 46.0/47

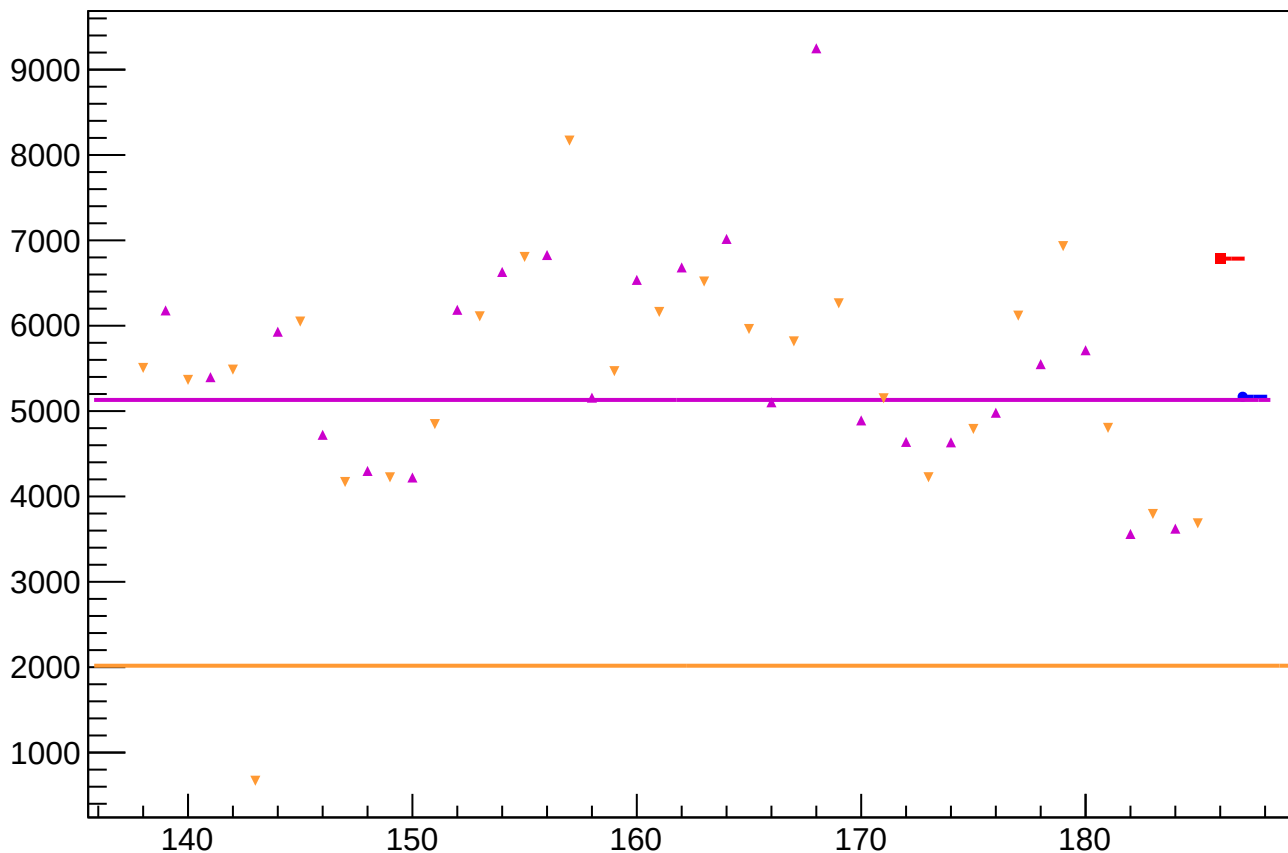
Right: -12622.212 $\pm$ 8482.641 χ^2 /NDF: 3.9/1

In: -224.436 $\pm$ 1246.755 χ^2 /NDF:14.9/23

Out: -1448.137 $\pm$ 689.305 χ^2 /NDF:36.1/25

All: -1161.653 $\pm$ 603.245 χ^2 /NDF: 51.7/49

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 5168.244+/-9.401 χ^2/NDF : 0.0/0

Left Out: 2017.245+/-0.488 χ^2/NDF :19159743.3/24

Right Out: 6785.976+/-7.790 χ^2/NDF : 0.0/0

Left In: 5130.756+/-0.885 χ^2/NDF :1489813.1/22

Left: 2743.420+/-0.428 χ^2/NDF : 30129278.1/47

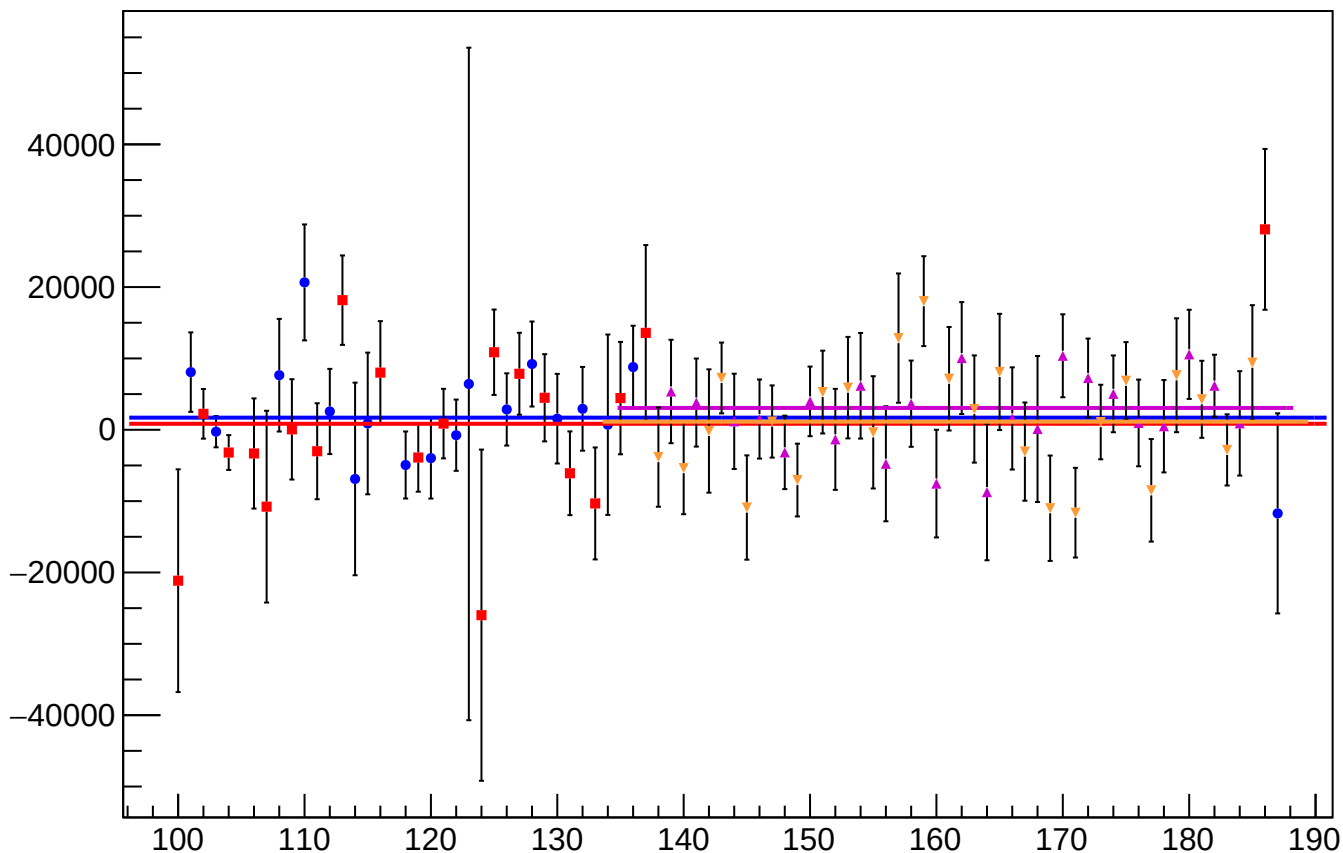
Right: 6127.360+/-5.998 χ^2/NDF : 17557.8/1

In: 5131.086+/-0.882 χ^2/NDF :1489828.9/23

Out: 2035.914+/-0.487 χ^2/NDF :19533023.2/25

All: 2760.534+/-0.427 χ^2/NDF : 30463509.0/4

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1698.744+/-1295.744 χ^2/NDF : 15.9/17

Left Out: 1132.501+/-1280.211 χ^2/NDF : 32.5/24

Right Out: 842.975+/-1277.785 χ^2/NDF : 32.4/19

Left In: 3061.439+/-1313.197 χ^2/NDF : 12.3/22

Left: 2072.439+/-916.686 χ^2/NDF : 45.9/47

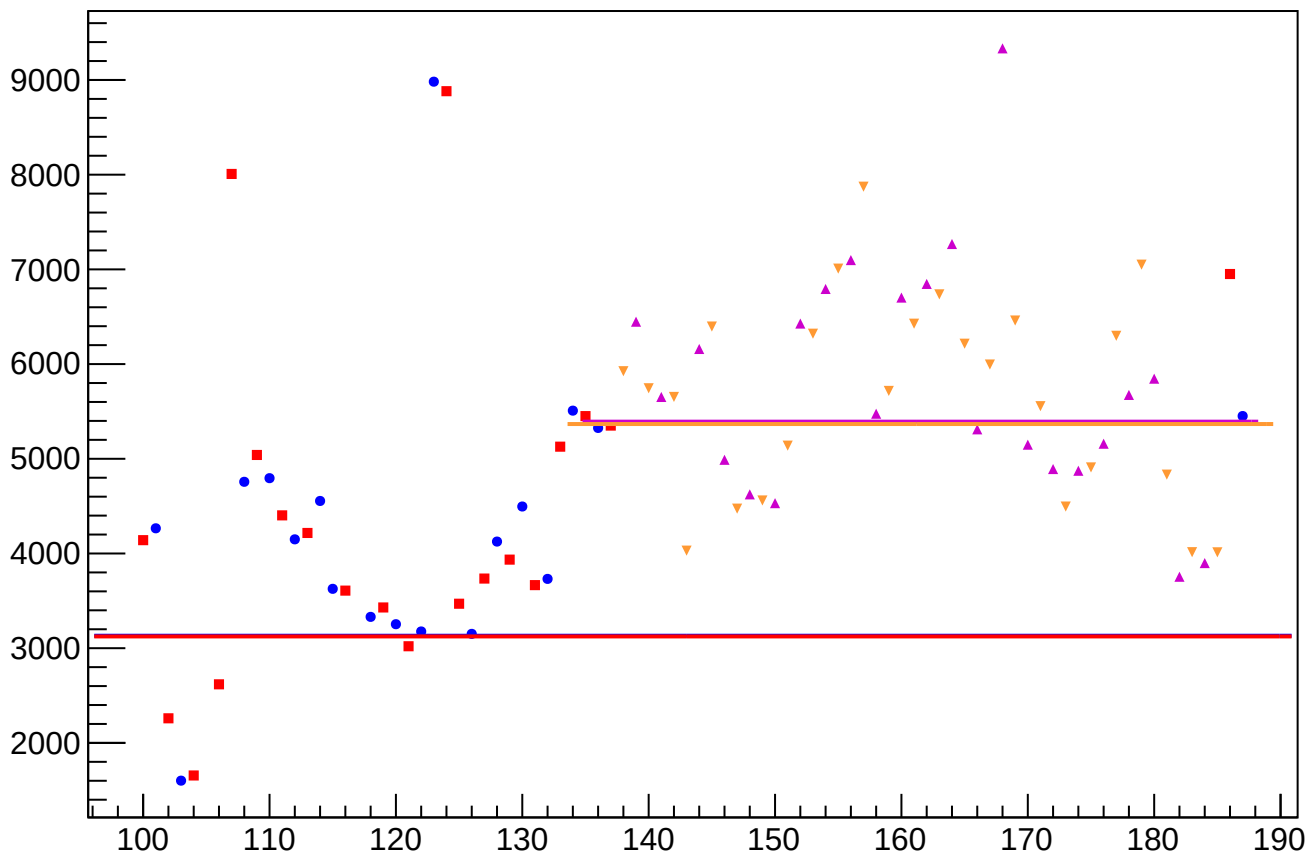
Right: 1264.888+/-909.813 χ^2/NDF : 48.5/37

In: 2370.976+/-922.338 χ^2/NDF : 28.8/40

Out: 987.463+/-904.387 χ^2/NDF : 64.9/44

All: 1665.625+/-645.751 χ^2/NDF : 94.8/85

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3131.539 $\pm$ 0.916 χ^2 /NDF: 1934203.1/17

Left Out: 5366.944 $\pm$ 0.905 χ^2 /NDF: 1213541.3/24

Right Out: 3124.177 $\pm$ 0.891 χ^2 /NDF: 2242960.6/19

Left In: 5391.987 $\pm$ 0.929 χ^2 /NDF: 1320415.5/22

Left: 5379.147 $\pm$ 0.648 χ^2 /NDF: 2534329.7/47

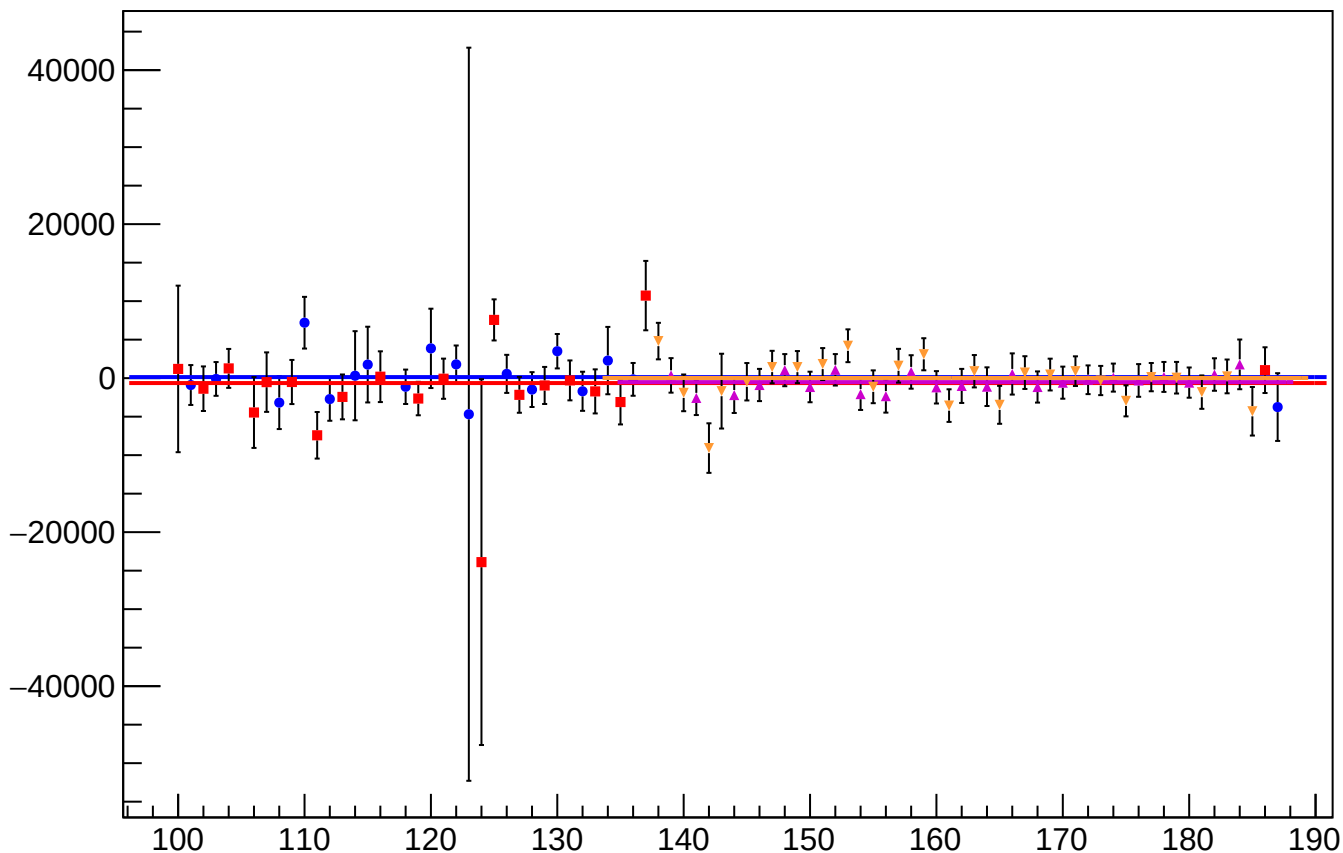
Right: 3127.754 $\pm$ 0.639 χ^2 /NDF: 4177196.9/37

In: 4246.636 $\pm$ 0.652 χ^2 /NDF: 6257257.7/40

Out: 4227.292 $\pm$ 0.635 χ^2 /NDF: 6575556.9/44

All: 4236.704 $\pm$ 0.455 χ^2 /NDF: 12833266.4/81

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 137.427 ± 678.565 $\chi^2/\text{NDF}: 12.3/17$

Left Out: 23.375 ± 440.724 $\chi^2/\text{NDF}: 31.7/24$

Right Out: -637.176 ± 666.706 $\chi^2/\text{NDF}: 26.1/19$

Left In: -514.693 ± 444.402 $\chi^2/\text{NDF}: 5.9/22$

Left: -243.423 ± 312.931 $\chi^2/\text{NDF}: 38.4/47$

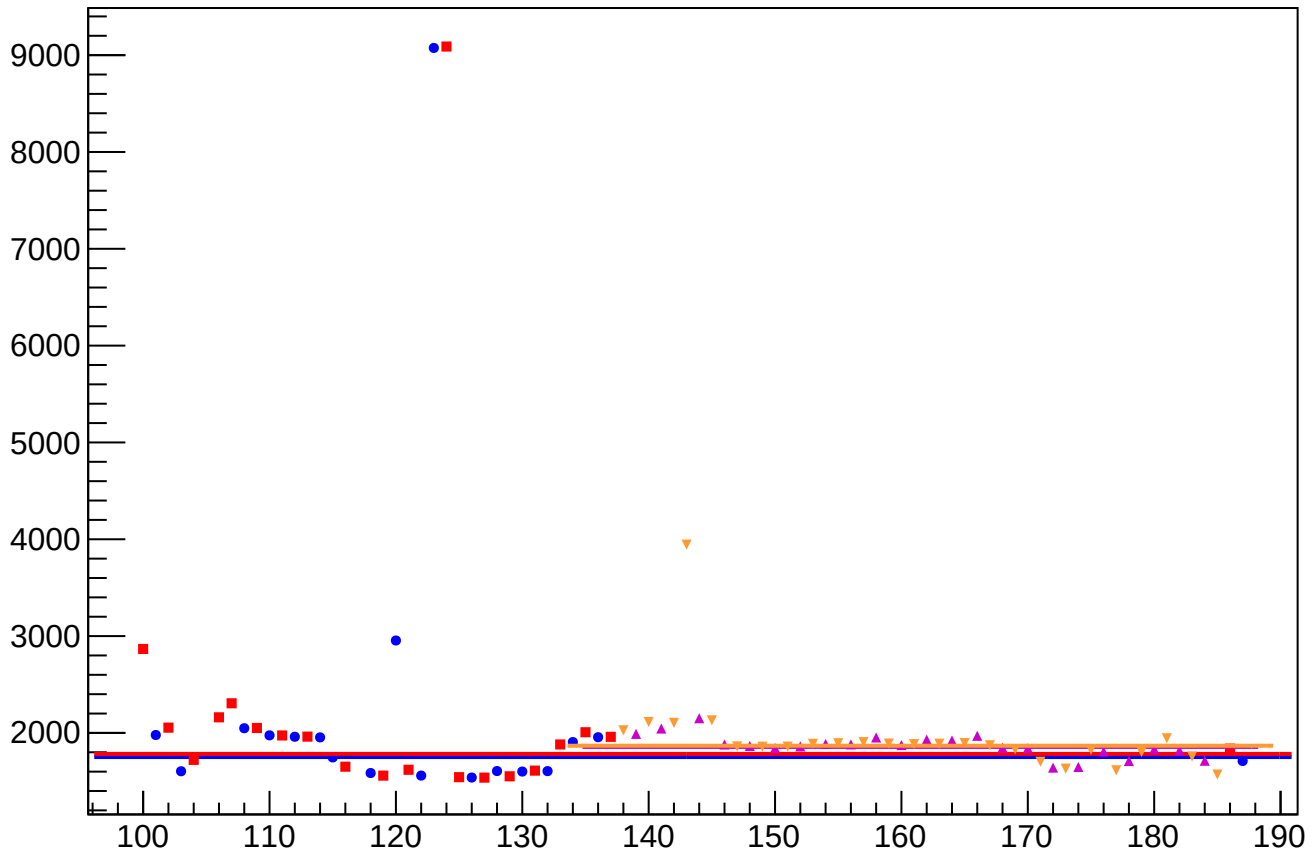
Right: -256.702 ± 475.570 $\chi^2/\text{NDF}: 39.1/37$

In: -318.947 ± 371.769 $\chi^2/\text{NDF}: 18.9/40$

Out: -177.497 ± 367.655 $\chi^2/\text{NDF}: 58.5/44$

All: -247.435 ± 261.414 $\chi^2/\text{NDF}: 77.5/85$

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1750.864+/-0.480 χ^2/NDF : 301071.7/17

Left Out: 1867.539+/-0.312 χ^2/NDF : 545343.0/24

Right Out: 1783.114+/-0.471 χ^2/NDF : 429047.1/19

Left In: 1855.480+/-0.314 χ^2/NDF : 136219.4/22

Left: 1861.559+/-0.221 χ^2/NDF : 682305.0/47

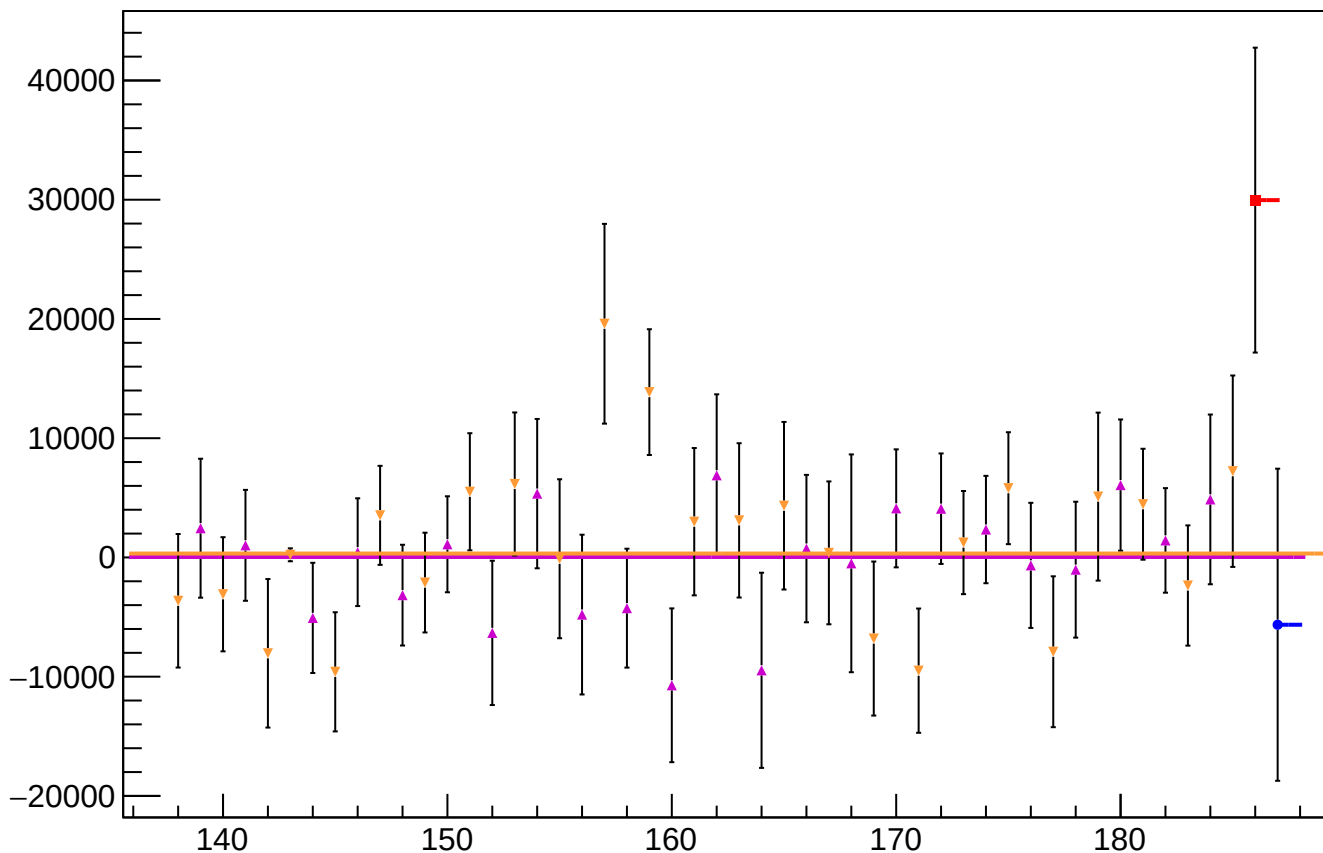
Right: 1767.297+/-0.336 χ^2/NDF : 732420.8/37

In: 1824.077+/-0.263 χ^2/NDF : 470559.8/40

Out: 1841.812+/-0.260 χ^2/NDF : 996755.0/44

All: 1833.047+/-0.185 χ^2/NDF : 1469616.7/85

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: -5644.886+/-13087.539 χ^2/NDF : 0.0/0

Left Out: 325.135+/-488.239 χ^2/NDF : 32.5/24

Right Out: 29966.855+/-12785.043 χ^2/NDF : 0.0/0

Left In: 40.142+/-1109.747 χ^2/NDF : 13.9/22

Left: 278.917+/-446.900 χ^2/NDF : 46.4/47

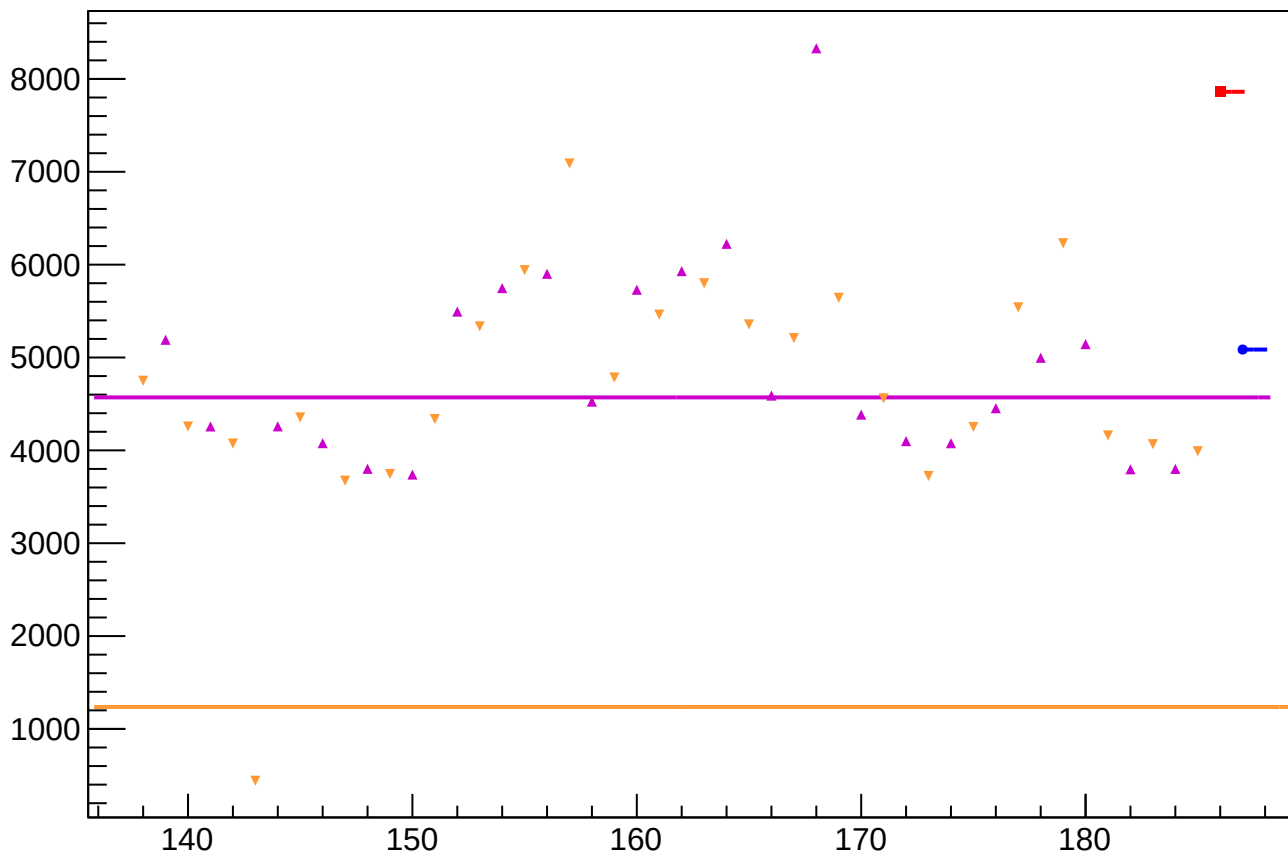
Right: 12577.292+/-9145.463 χ^2/NDF : 3.8/1

In: -0.442+/-1105.779 χ^2/NDF : 14.0/23

Out: 368.300+/-487.883 χ^2/NDF : 37.9/25

All: 308.214+/-446.367 χ^2/NDF : 52.0/49

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 5085.656+/-9.254 χ^2/NDF : 0.0/0

Left Out: 1236.170+/-0.345 χ^2/NDF : 23395886.7/24

Right Out: 7861.641+/-9.040 χ^2/NDF : 0.0/0

Left In: 4570.398+/-0.785 χ^2/NDF : 1145211.6/22

Left: 1776.884+/-0.316 χ^2/NDF : 39667244.3/47

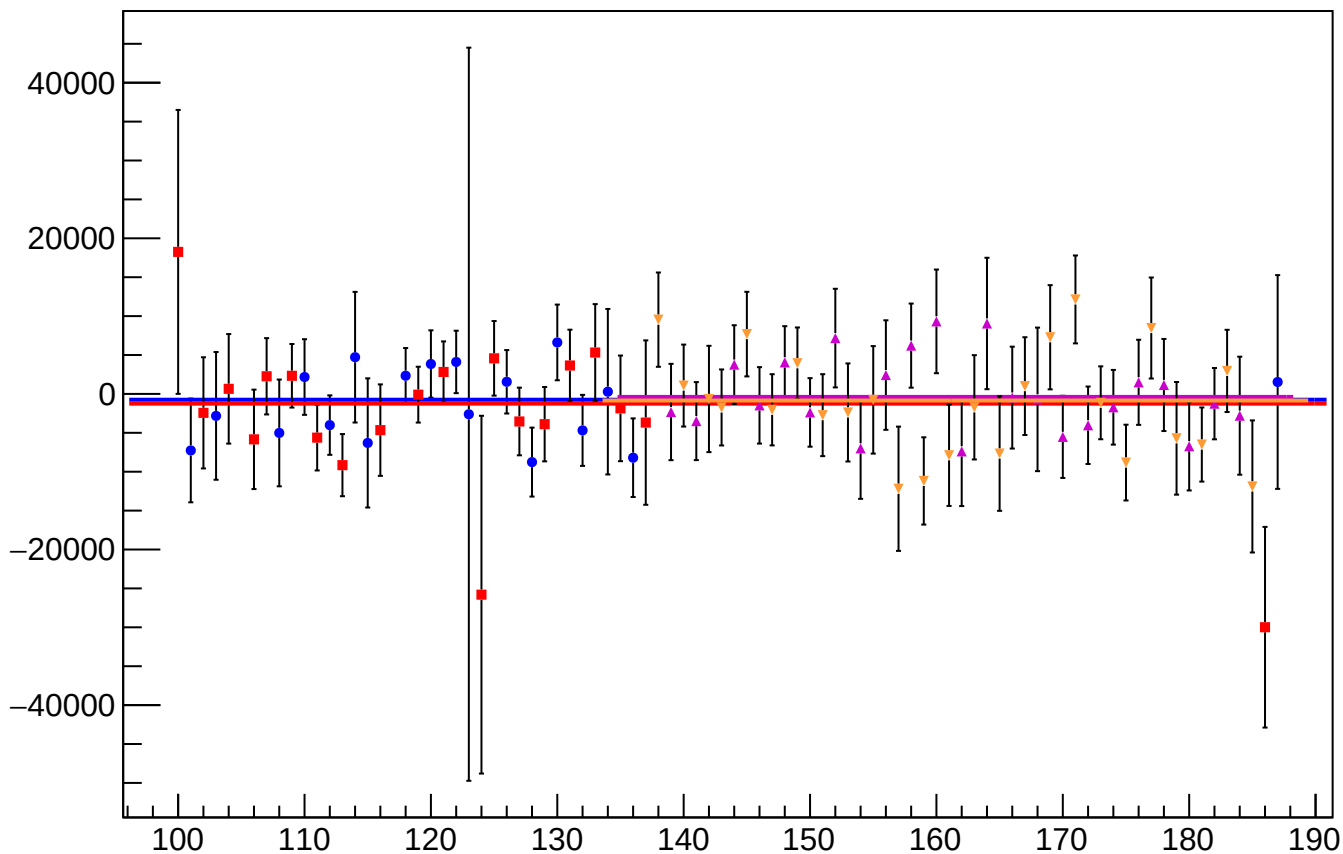
Right: 6506.100+/-6.467 χ^2/NDF : 46042.1/1

In: 4574.076+/-0.782 χ^2/NDF : 1148289.5/23

Out: 1245.818+/-0.345 χ^2/NDF : 23932209.5/25

All: 1788.150+/-0.316 χ^2/NDF : 40246819.2/47

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -746.319+/-1242.589 χ^2/NDF : 15.6/17

Left Out: -845.427+/-1152.677 χ^2/NDF :30.0/24

Right Out: -1249.965+/-1186.068 χ^2/NDF : 20.0/19

Left In: -385.098+/-1181.458 χ^2/NDF :13.9/22

Left: -620.938+/-825.053 χ^2/NDF : 44.0/47

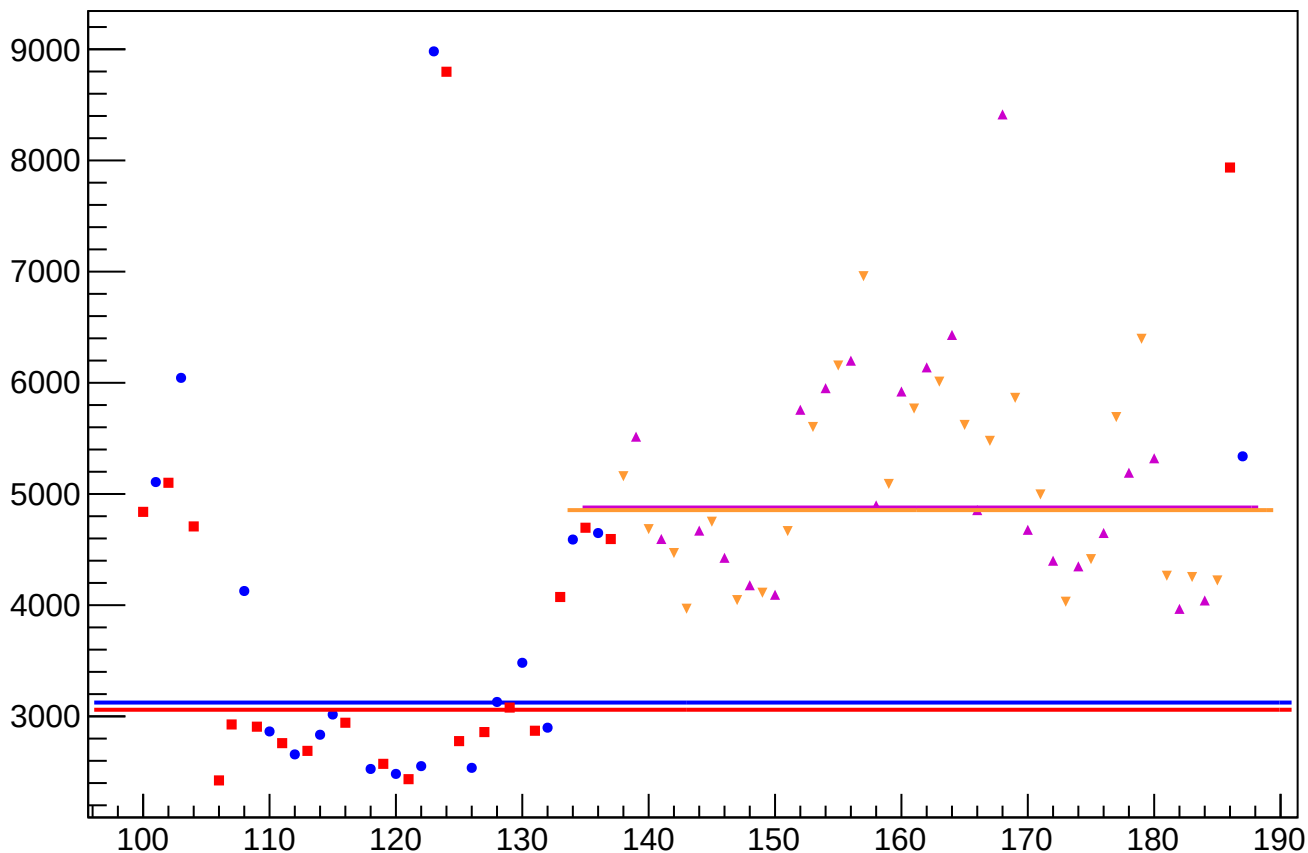
Right: -1009.857+/-857.962 χ^2/NDF : 35.7/37

In: -556.605+/-856.213 χ^2/NDF :29.5/40

Out: -1041.921+/-826.618 χ^2/NDF :50.1/44

All: -807.795+/-594.695 χ^2/NDF : 79.8/85

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3124.119 $\pm$ 0.879 χ^2 /NDF: 1012234.8/17

Left Out: 4854.932 $\pm$ 0.815 χ^2 /NDF:895557.4/24

Right Out: 3059.357 $\pm$ 0.828 χ^2 /NDF: 1082696.6/19

Left In: 4878.261 $\pm$ 0.835 χ^2 /NDF:965222.2/22

Left: 4866.309 $\pm$ 0.583 χ^2 /NDF: 1861179.2/47

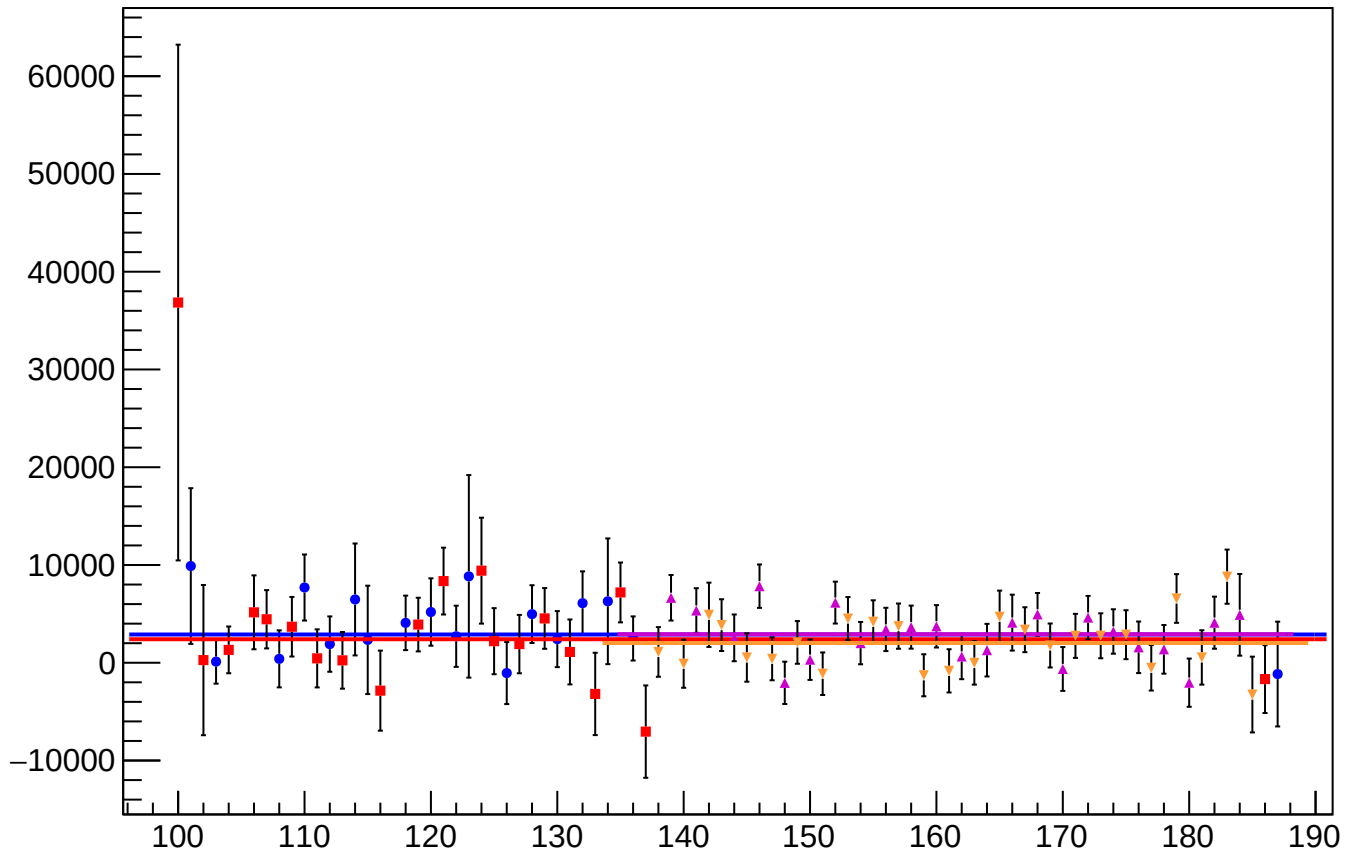
Right: 3089.830 $\pm$ 0.603 χ^2 /NDF: 2097807.9/37

In: 4045.395 $\pm$ 0.605 χ^2 /NDF:4070766.7/40

Out: 3971.624 $\pm$ 0.581 χ^2 /NDF:4365685.4/44

All: 4006.989 $\pm$ 0.419 χ^2 /NDF: 8444181.6/85

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2889.367 $\pm$ 786.781 χ^2 /NDF: 10.4/17

Left Out: 2019.326 $\pm$ 481.340 χ^2 /NDF: 27.1/24

Right Out: 2406.210 $\pm$ 764.010 χ^2 /NDF: 21.1/19

Left In: 2916.079 $\pm$ 489.445 χ^2 /NDF: 28.8/22

Left: 2460.216 $\pm$ 343.188 χ^2 /NDF: 57.7/47

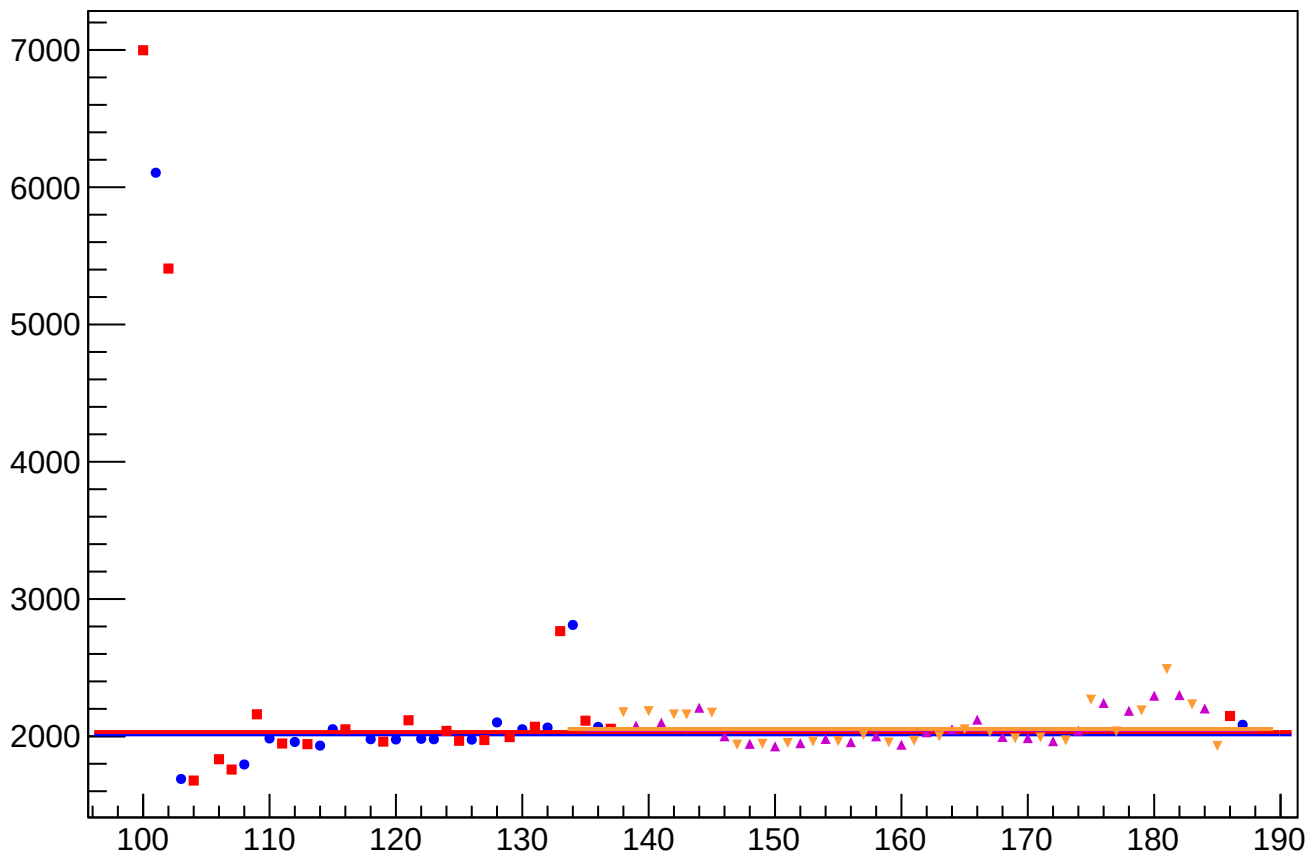
Right: 2640.696 $\pm$ 548.110 χ^2 /NDF: 31.7/37

In: 2908.626 $\pm$ 415.592 χ^2 /NDF: 39.3/40

Out: 2129.256 $\pm$ 407.254 χ^2 /NDF: 48.4/44

All: 2511.044 $\pm$ 290.875 χ^2 /NDF: 89.4/85

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2014.477+/-0.556 χ^2/NDF : 618051.7/17

Left Out: 2053.296+/-0.340 χ^2/NDF :136888.1/24

Right Out: 2031.027+/-0.540 χ^2/NDF : 599812.7/19

Left In: 2047.277+/-0.346 χ^2/NDF :103001.2/22

Left: 2050.337+/-0.243 χ^2/NDF : 240043.0/47

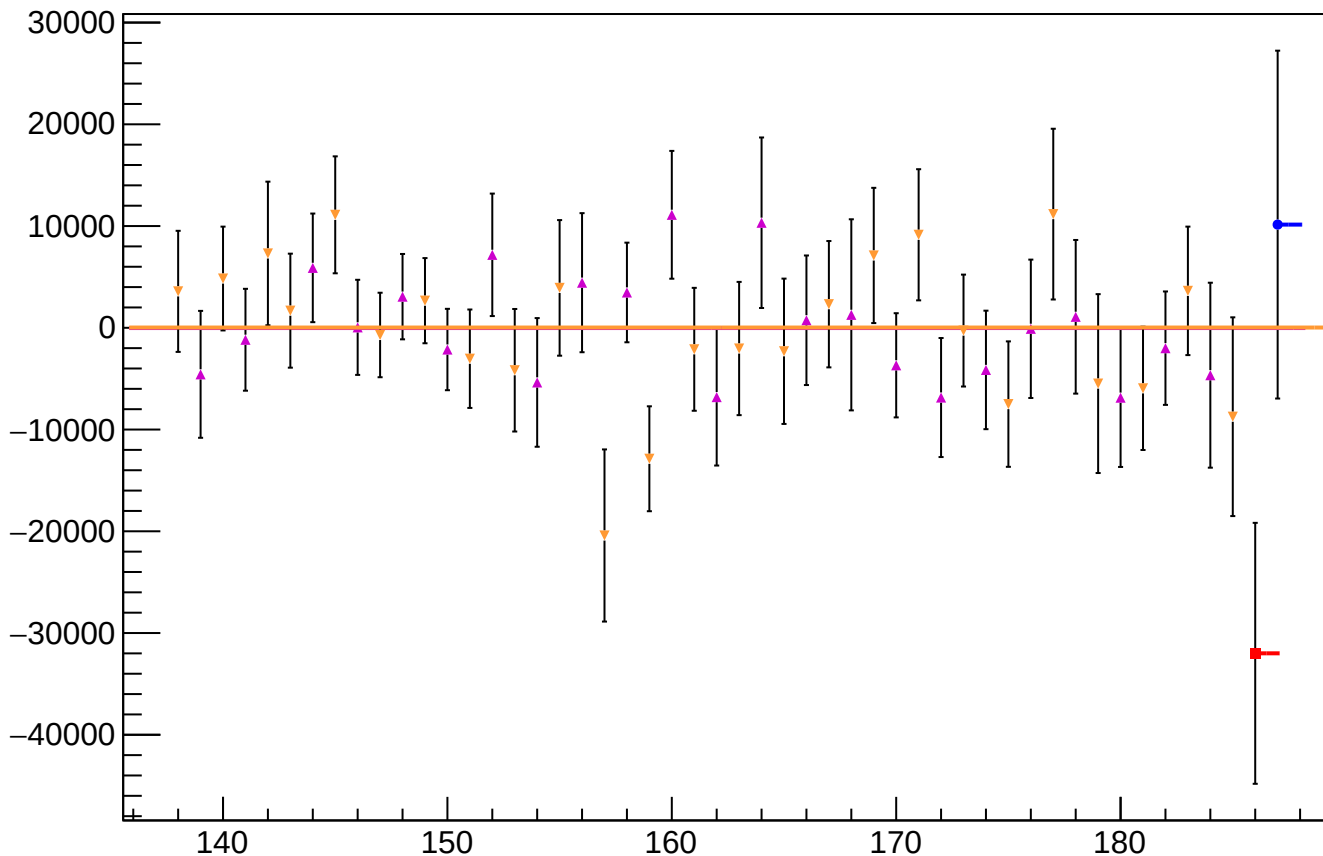
Right: 2022.998+/-0.388 χ^2/NDF : 1218320.0/37

In: 2038.126+/-0.294 χ^2/NDF :723559.0/40

Out: 2046.965+/-0.288 χ^2/NDF :737917.7/44

All: 2042.635+/-0.206 χ^2/NDF : 1461938.4/85

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: 10142.297 $\pm$ 17094.933 χ^2 /NDF: 0.0/0

Left Out: 25.977 $\pm$ 1194.625 χ^2 /NDF:29.2/24

Right Out: -31994.535 $\pm$ 12823.465 χ^2 /NDF: 0.0/0

Left In: -23.765 $\pm$ 1211.652 χ^2 /NDF:15.2/22

Left: 1.458 $\pm$ 850.684 χ^2 /NDF: 44.4/47

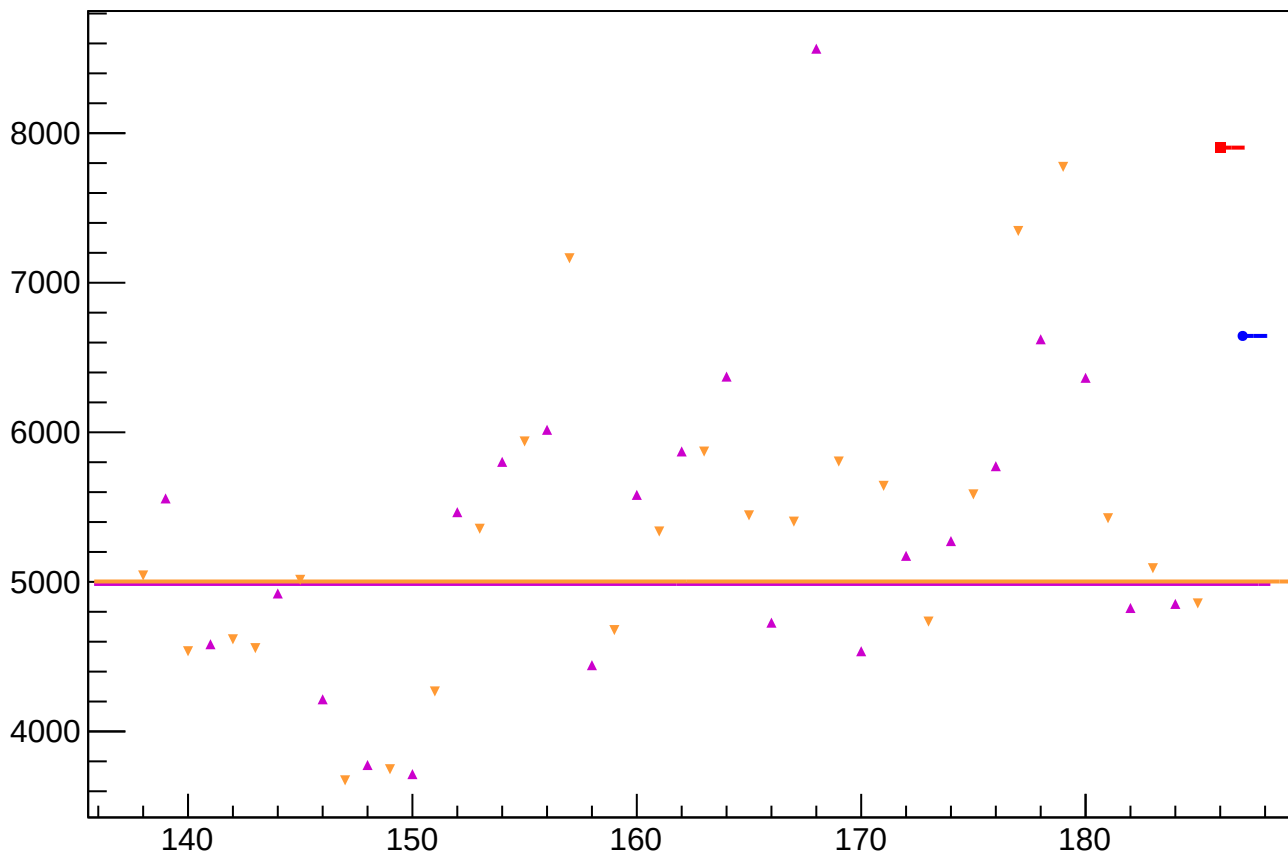
Right: -16821.845 $\pm$ 10258.119 χ^2 /NDF: 3.9/1

In: 27.050 $\pm$ 1208.620 χ^2 /NDF:15.6/23

Out: -249.527 $\pm$ 1189.475 χ^2 /NDF:35.4/25

All: -113.446 $\pm$ 847.773 χ^2 /NDF: 51.0/49

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 6644.416+/-12.088 χ^2/NDF : 0.0/0

Left Out: 5002.559+/-0.845 χ^2/NDF :1145597.1/24

Right Out: 7903.347+/-9.068 χ^2/NDF : 0.0/0

Left In: 4986.169+/-0.857 χ^2/NDF :1197602.7/22

Left: 4994.480+/-0.602 χ^2/NDF : 2343385.4/47

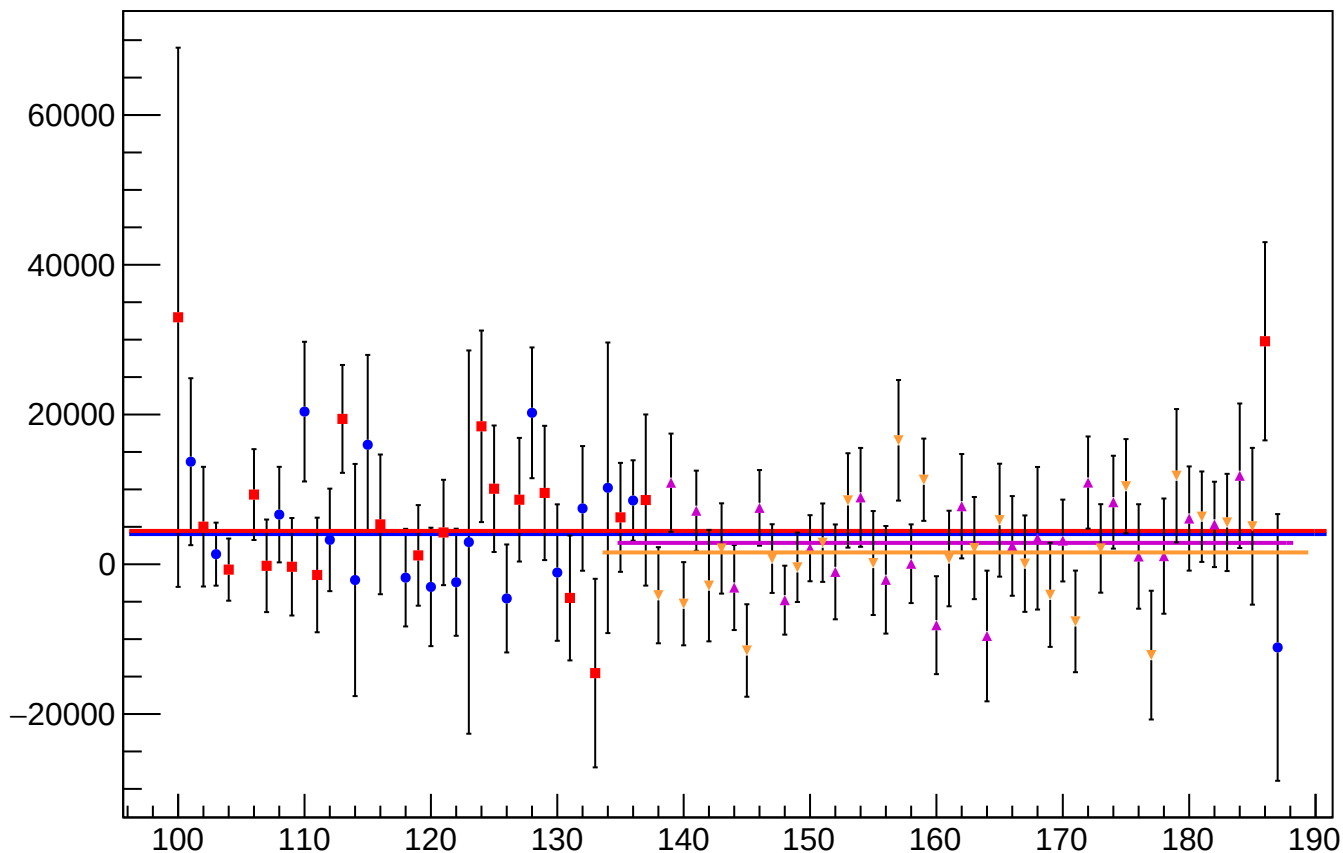
Right: 7450.030+/-7.254 χ^2/NDF : 6941.0/1

In: 4994.458+/-0.855 χ^2/NDF :1216327.5/23

Out: 5027.517+/-0.841 χ^2/NDF :1247058.0/25

All: 5011.252+/-0.599 χ^2/NDF : 2464145.6/49

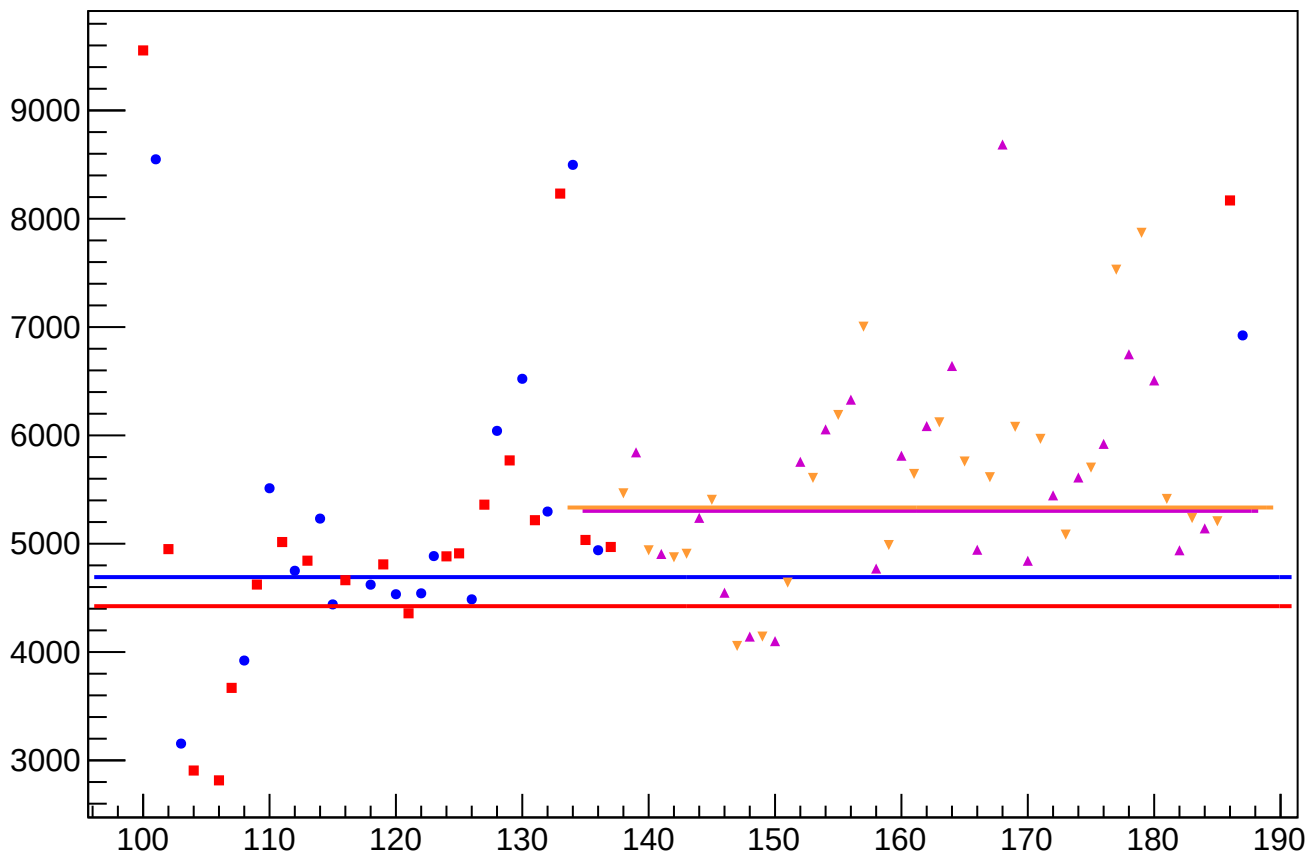
asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.010+/-1847.778 χ^2/NDF : 14.8/17
 Left Out: 1580.515+/-1266.098 χ^2/NDF : 25.2/24
 Right Out: 4453.879+/-1710.722 χ^2/NDF : 18.6/19
 Left In: 2856.480+/-1284.131 χ^2/NDF : 18.1/22

Left: 2209.475+/-901.574 χ^2/NDF : 43.8/47
 Right: 4260.092+/-1255.323 χ^2/NDF : 33.4/37
 In: 3239.974+/-1054.492 χ^2/NDF : 33.2/40
 Out: 2597.390+/-1017.696 χ^2/NDF : 45.6/44
 All: 2907.276+/-732.283 χ^2/NDF : 79.0/85

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4691.748+/-1.307 χ^2/NDF : 809589.4/17

Left Out: 5334.221+/-0.895 χ^2/NDF : 865414.3/24

Right Out: 4423.461+/-1.203 χ^2/NDF : 995539.1/19

Left In: 5303.321+/-0.908 χ^2/NDF : 960356.0/22

Left: 5318.989+/-0.638 χ^2/NDF : 1826357.5/47

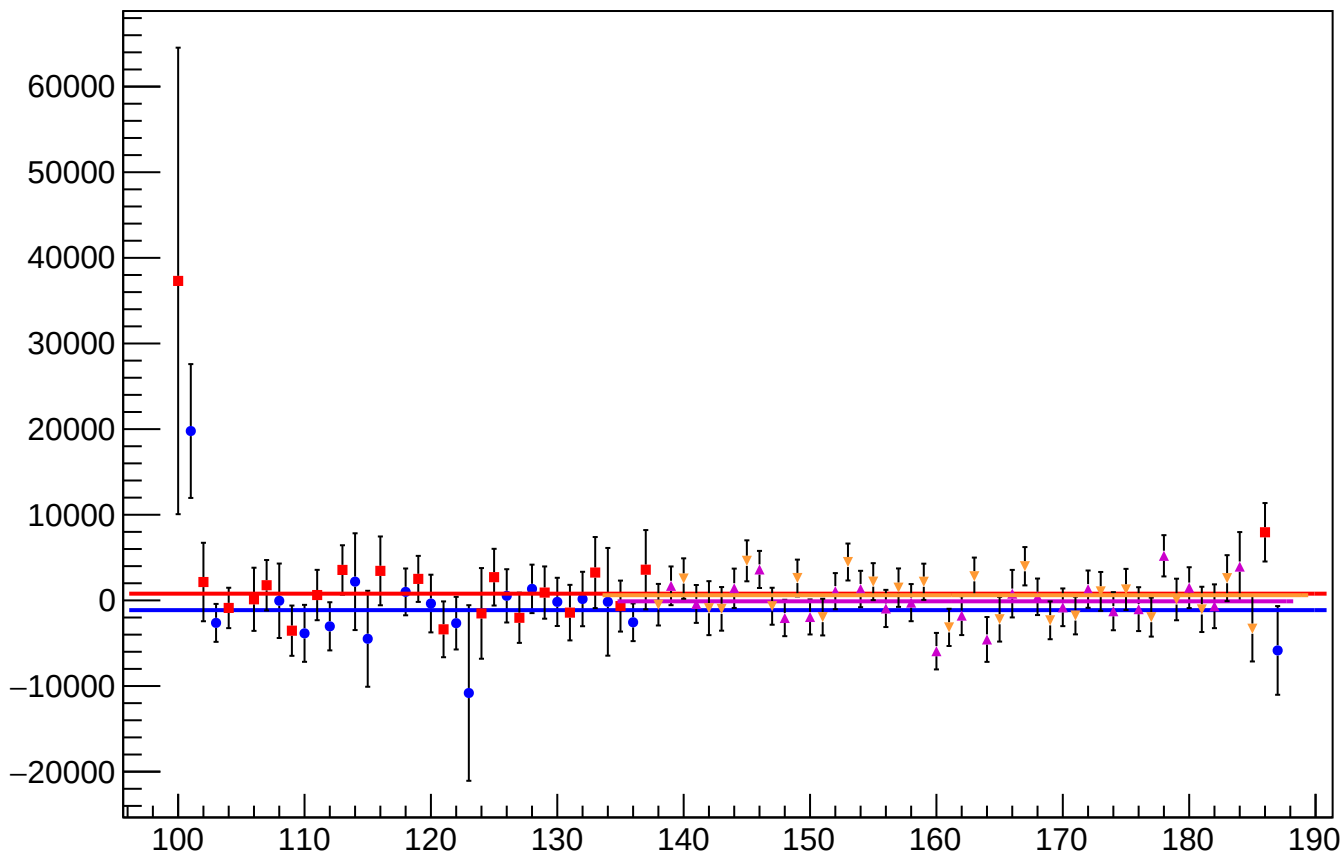
Right: 4546.528+/-0.885 χ^2/NDF : 1827950.6/37

In: 5104.145+/-0.746 χ^2/NDF : 1917684.3/40

Out: 5009.530+/-0.718 χ^2/NDF : 2229905.5/44

All: 5055.062+/-0.517 χ^2/NDF : 4155942.6/85

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1138.388 $\pm$ 787.337 χ^2 /NDF: 13.9/17

Left Out: 605.796 $\pm$ 469.397 χ^2 /NDF: 25.2/24

Right Out: 784.693 $\pm$ 742.594 χ^2 /NDF: 15.4/19

Left In: -108.365 $\pm$ 477.899 χ^2 /NDF: 25.0/22

Left: 255.125 $\pm$ 334.879 χ^2 /NDF: 51.4/47

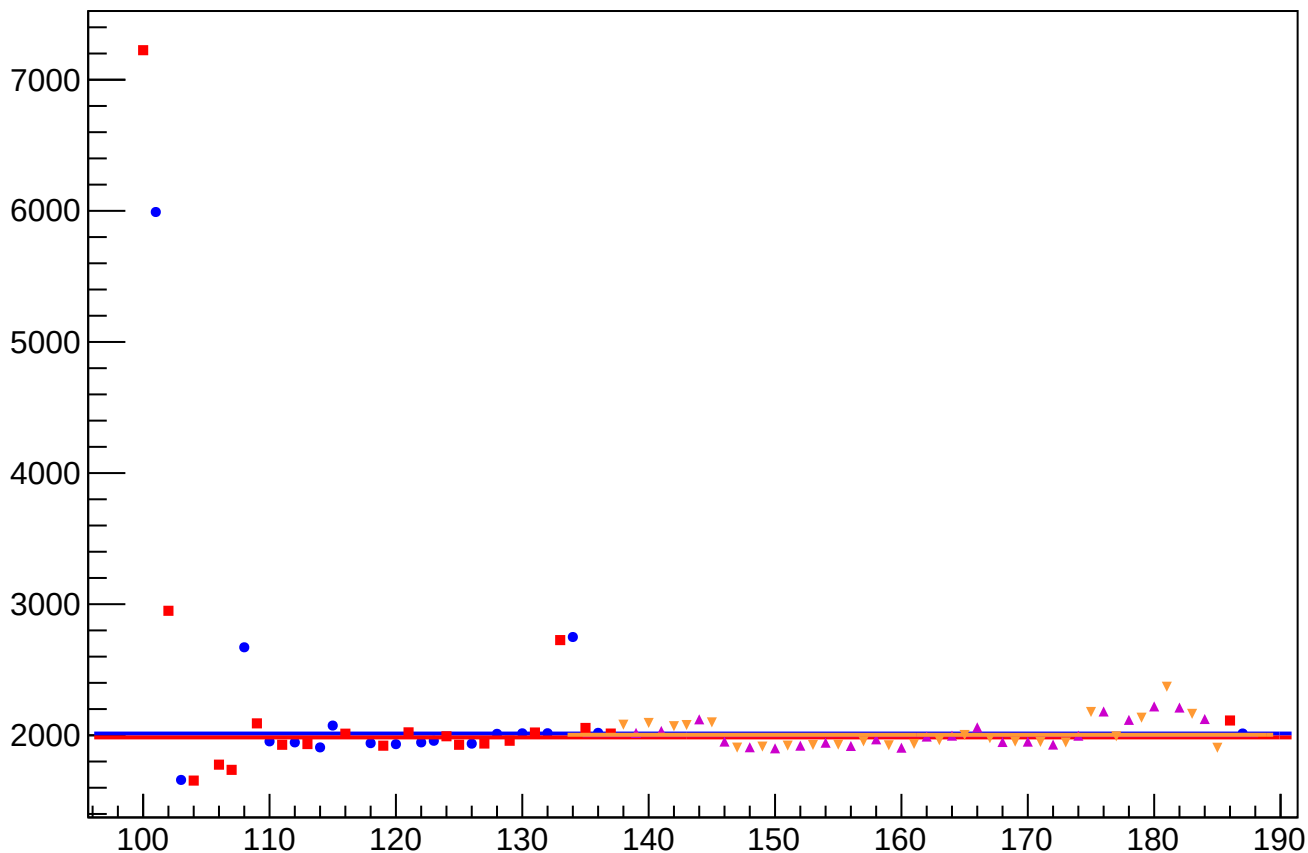
Right: -120.655 $\pm$ 540.219 χ^2 /NDF: 32.5/37

In: -385.681 $\pm$ 408.531 χ^2 /NDF: 40.1/40

Out: 656.869 $\pm$ 396.776 χ^2 /NDF: 40.7/44

All: 150.809 $\pm$ 284.628 χ^2 /NDF: 84.2/85

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2013.282+/-0.557 χ^2/NDF : 650048.6/17

Left Out: 2003.987+/-0.332 χ^2/NDF : 99981.7/24

Right Out: 1983.939+/-0.525 χ^2/NDF : 297896.3/19

Left In: 2000.119+/-0.338 χ^2/NDF : 79688.8/22

Left: 2002.088+/-0.237 χ^2/NDF : 179737.2/47

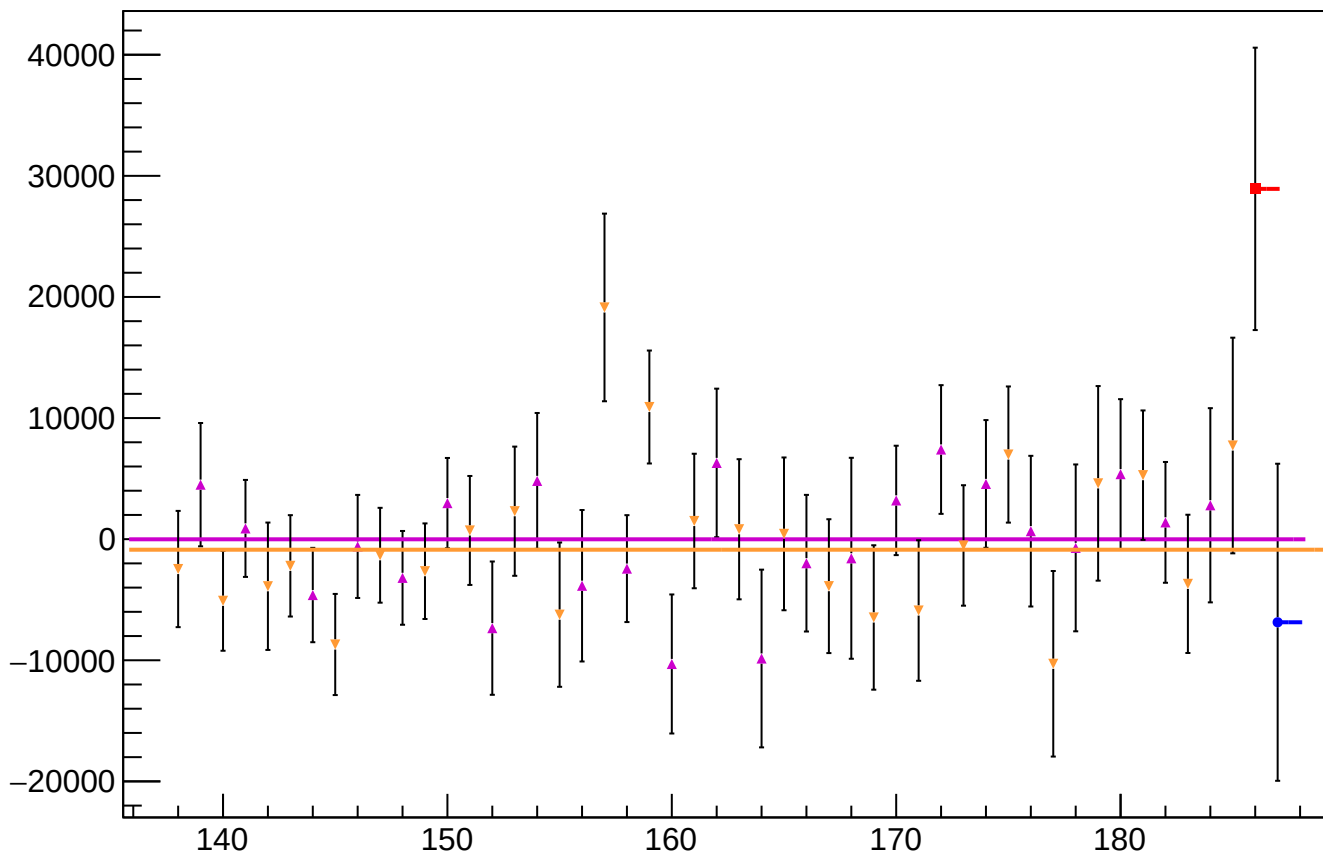
Right: 1997.738+/-0.382 χ^2/NDF : 949416.5/37

In: 2003.663+/-0.289 χ^2/NDF : 730145.9/40

Out: 1998.256+/-0.280 χ^2/NDF : 398921.2/44

All: 2000.880+/-0.201 χ^2/NDF : 1129247.5/85

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: -6861.860+/-13090.382 χ^2/NDF : 0.0/0

Left Out: -871.296+/-1043.390 χ^2/NDF : 28.3/24

Right Out: 28924.718+/-11659.045 χ^2/NDF : 0.0/0

Left In: -10.945+/-1070.258 χ^2/NDF : 17.2/22

Left: -452.055+/-747.106 χ^2/NDF : 45.8/47

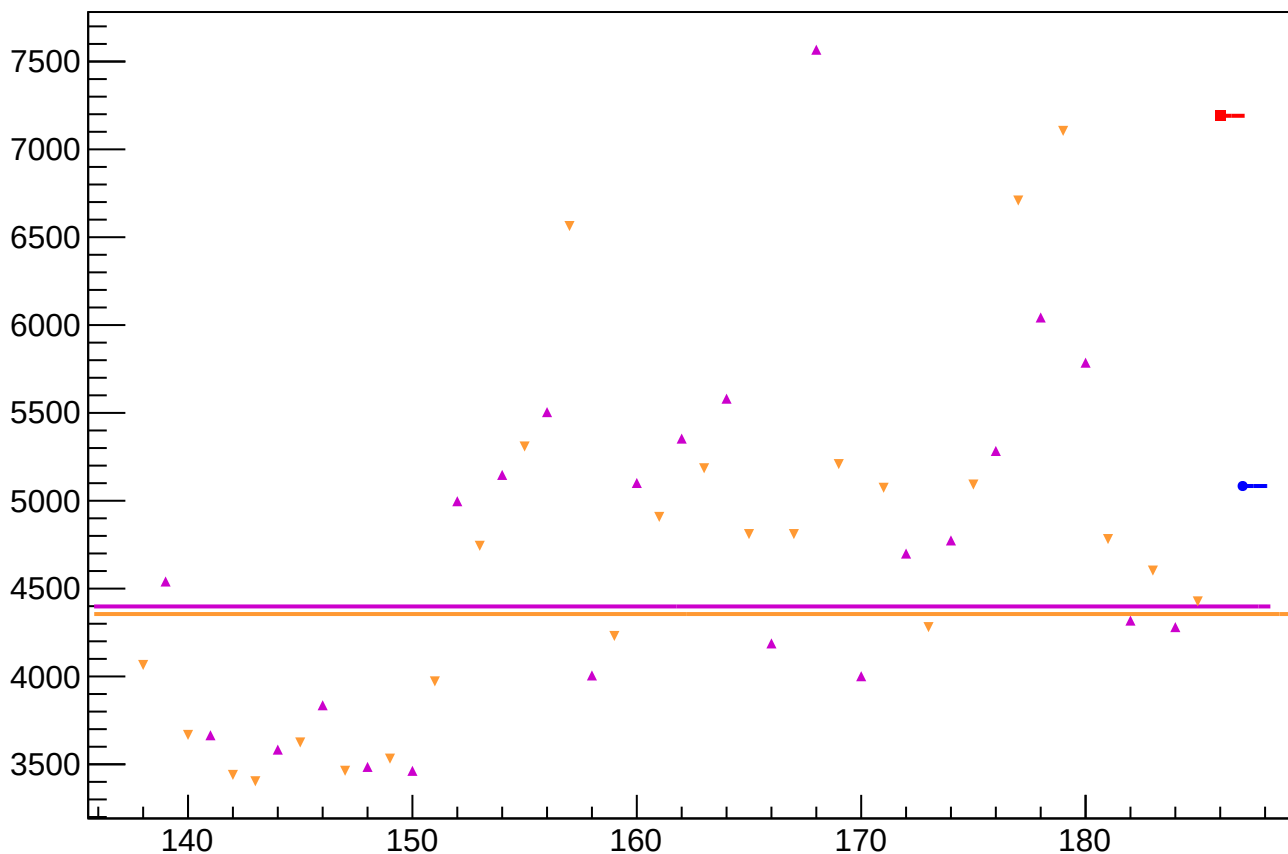
Right: 13094.180+/-8706.429 χ^2/NDF : 4.2/1

In: -56.436+/-1066.699 χ^2/NDF : 17.4/23

Out: -634.561+/-1039.237 χ^2/NDF : 34.8/25

All: -353.036+/-744.371 χ^2/NDF : 52.4/49

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 5083.877+/-9.256 χ^2/NDF : 0.0/0

Left Out: 4355.202+/-0.738 χ^2/NDF :1350492.3/24

Right Out: 7191.105+/-8.244 χ^2/NDF : 0.0/0

Left In: 4398.421+/-0.757 χ^2/NDF :1278784.1/22

Left: 4376.262+/-0.528 χ^2/NDF : 2630948.5/47

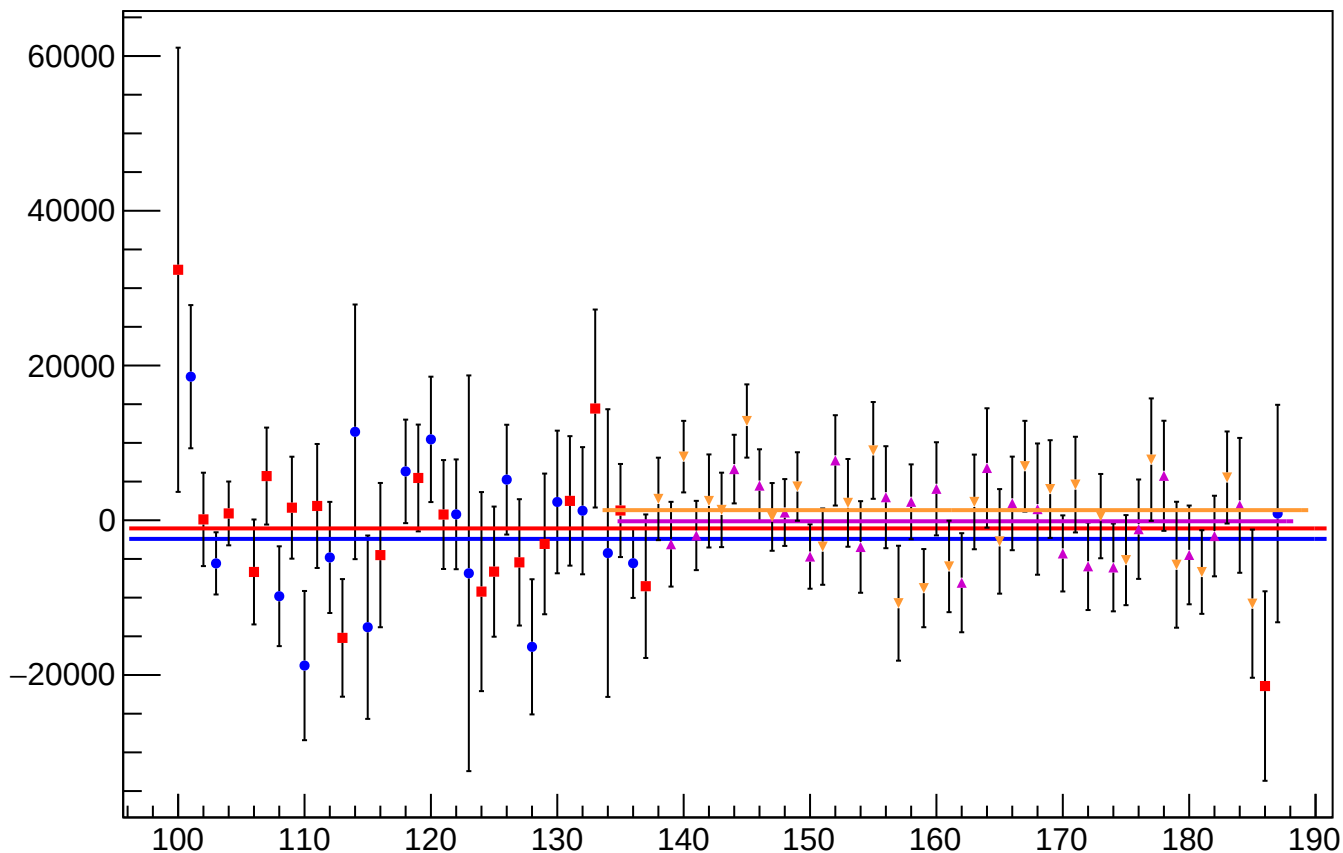
Right: 6258.952+/-6.156 χ^2/NDF : 28900.3/1

In: 4402.972+/-0.754 χ^2/NDF :1284231.5/23

Out: 4377.734+/-0.735 χ^2/NDF :1467879.9/25

All: 4390.024+/-0.526 χ^2/NDF : 2752685.8/49

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2408.669 $\pm$ 1782.773 χ^2 /NDF: 20.9/17

Left Out: 1306.805 $\pm$ 1131.617 χ^2 /NDF:28.1/24

Right Out: -1053.985 $\pm$ 1673.954 χ^2 /NDF: 14.7/19

Left In: -131.428 $\pm$ 1157.282 χ^2 /NDF:14.9/22

Left: 603.813 $\pm$ 809.096 χ^2 /NDF: 43.8/47

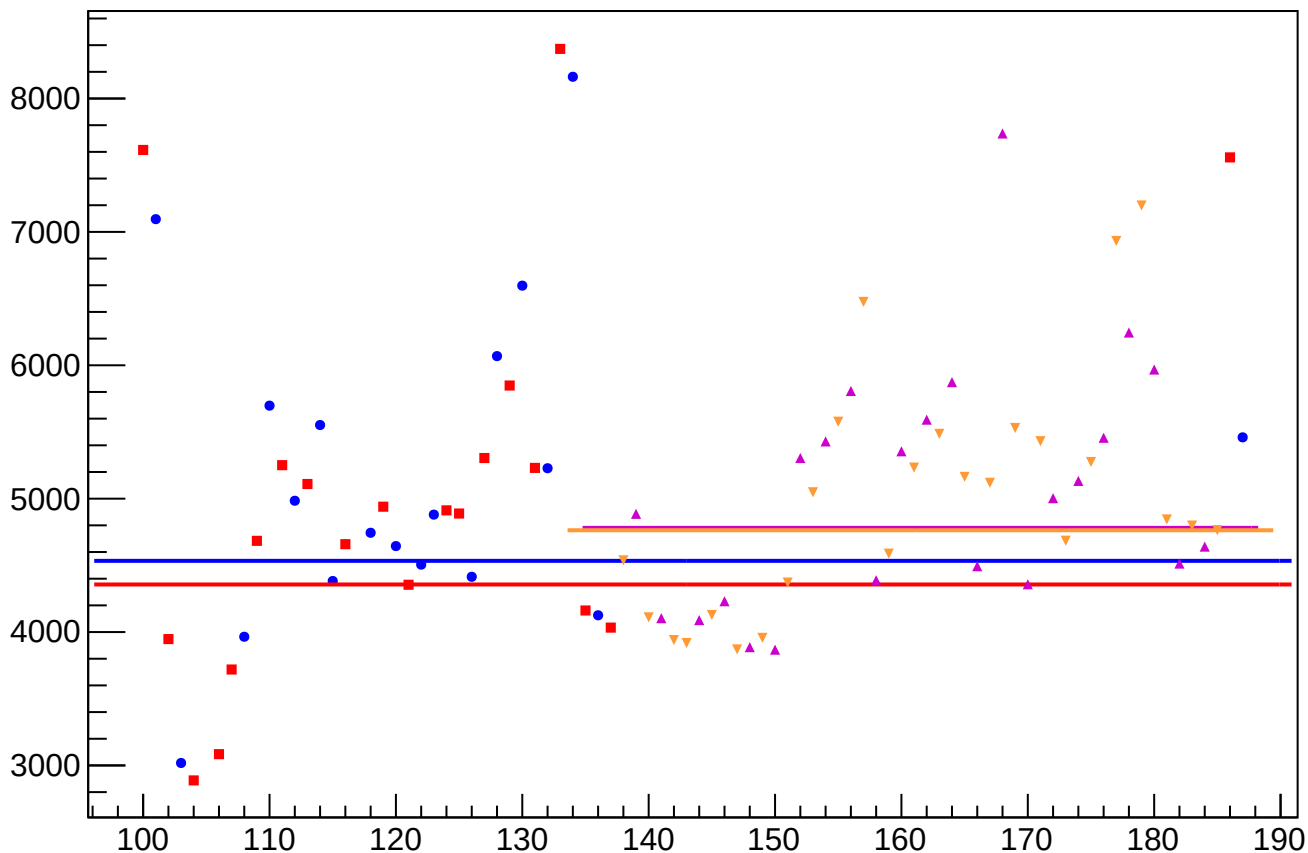
Right: -1688.723 $\pm$ 1220.322 χ^2 /NDF: 35.9/37

In: -806.549 $\pm$ 970.694 χ^2 /NDF:36.9/40

Out: 566.328 $\pm$ 937.498 χ^2 /NDF:44.2/44

All: -96.234 $\pm$ 674.342 χ^2 /NDF: 82.2/85

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4533.828 $\pm$ 1.261 χ^2/NDF : 779050.6/17

Left Out: 4763.190 $\pm$ 0.800 χ^2/NDF : 941856.9/24

Right Out: 4356.659 $\pm$ 1.177 χ^2/NDF : 910979.0/19

Left In: 4781.172 $\pm$ 0.818 χ^2/NDF : 951542.2/22

Left: 4771.979 $\pm$ 0.572 χ^2/NDF : 1893645.9/47

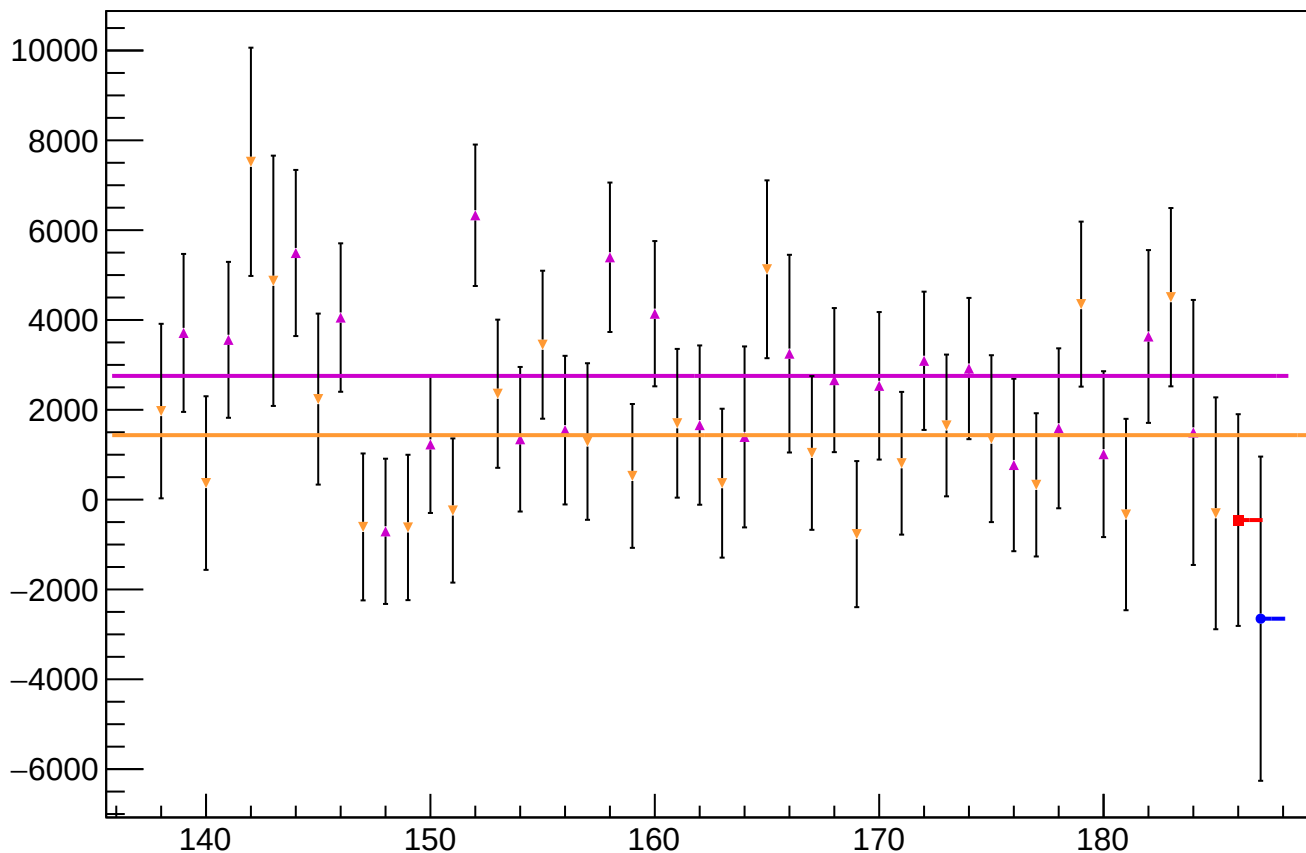
Right: 4439.190 $\pm$ 0.860 χ^2/NDF : 1700580.5/37

In: 4707.843 $\pm$ 0.686 χ^2/NDF : 1757677.7/40

Out: 4634.722 $\pm$ 0.662 χ^2/NDF : 1934403.6/44

All: 4669.948 $\pm$ 0.476 χ^2/NDF : 3697962.8/85

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: -2650.892 $\pm$ 3609.305 χ^2 /NDF: 0.0/0

Left Out: 1435.504 $\pm$ 358.178 χ^2 /NDF:26.7/24

Right Out: -454.834 $\pm$ 2356.861 χ^2 /NDF: 0.0/0

Left In: 2754.889 $\pm$ 361.672 χ^2 /NDF:22.4/22

Left: 2088.793 $\pm$ 254.496 χ^2 /NDF: 55.8/47

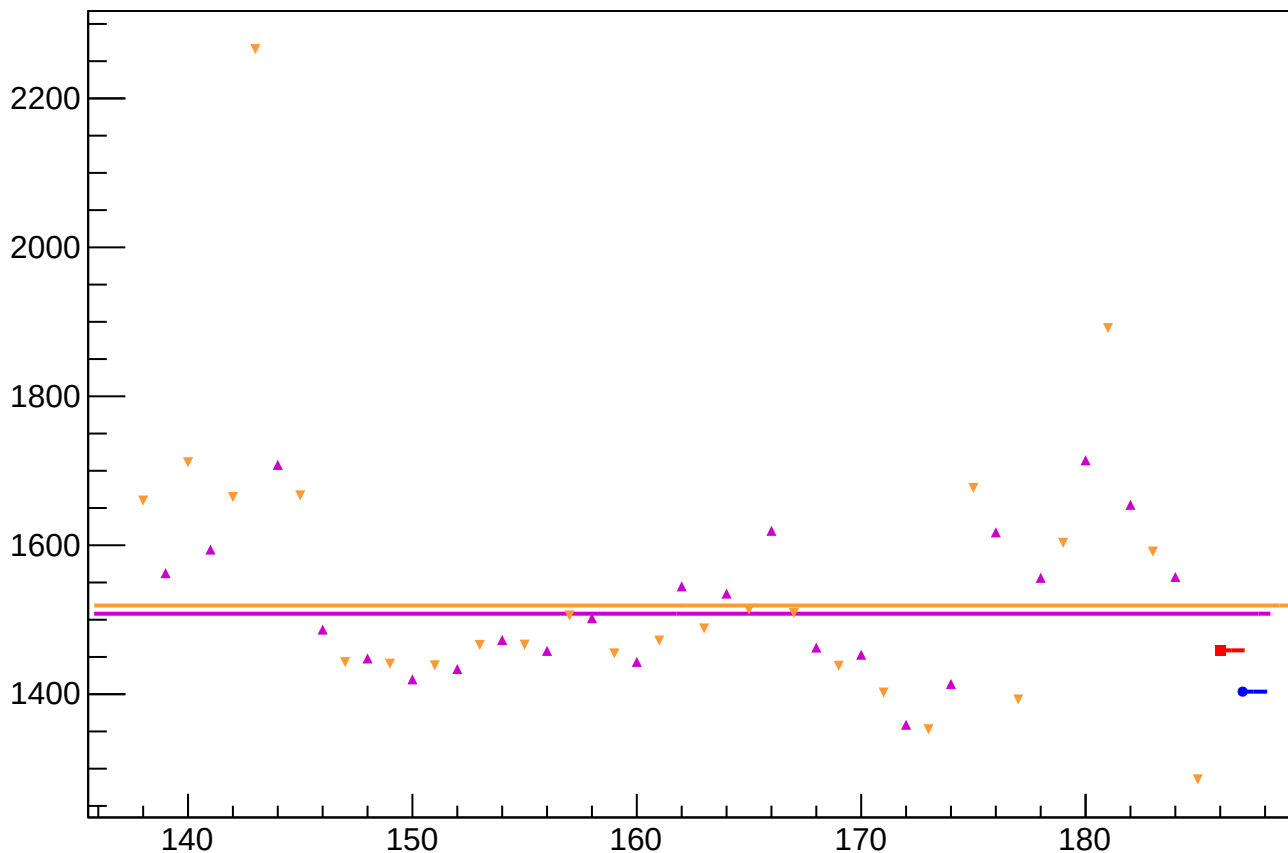
Right: -1111.315 $\pm$ 1973.389 χ^2 /NDF: 0.3/1

In: 2701.148 $\pm$ 359.869 χ^2 /NDF:24.6/23

Out: 1392.831 $\pm$ 354.112 χ^2 /NDF:27.4/25

All: 2036.440 $\pm$ 252.406 χ^2 /NDF: 58.7/49

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1403.425+/-2.552 χ^2/NDF : 0.0/0

Left Out: 1519.092+/-0.253 χ^2/NDF :365839.2/24

Right Out: 1458.885+/-1.667 χ^2/NDF : 0.0/0

Left In: 1508.111+/-0.256 χ^2/NDF :131488.7/22

Left: 1513.655+/-0.180 χ^2/NDF : 498258.6/47

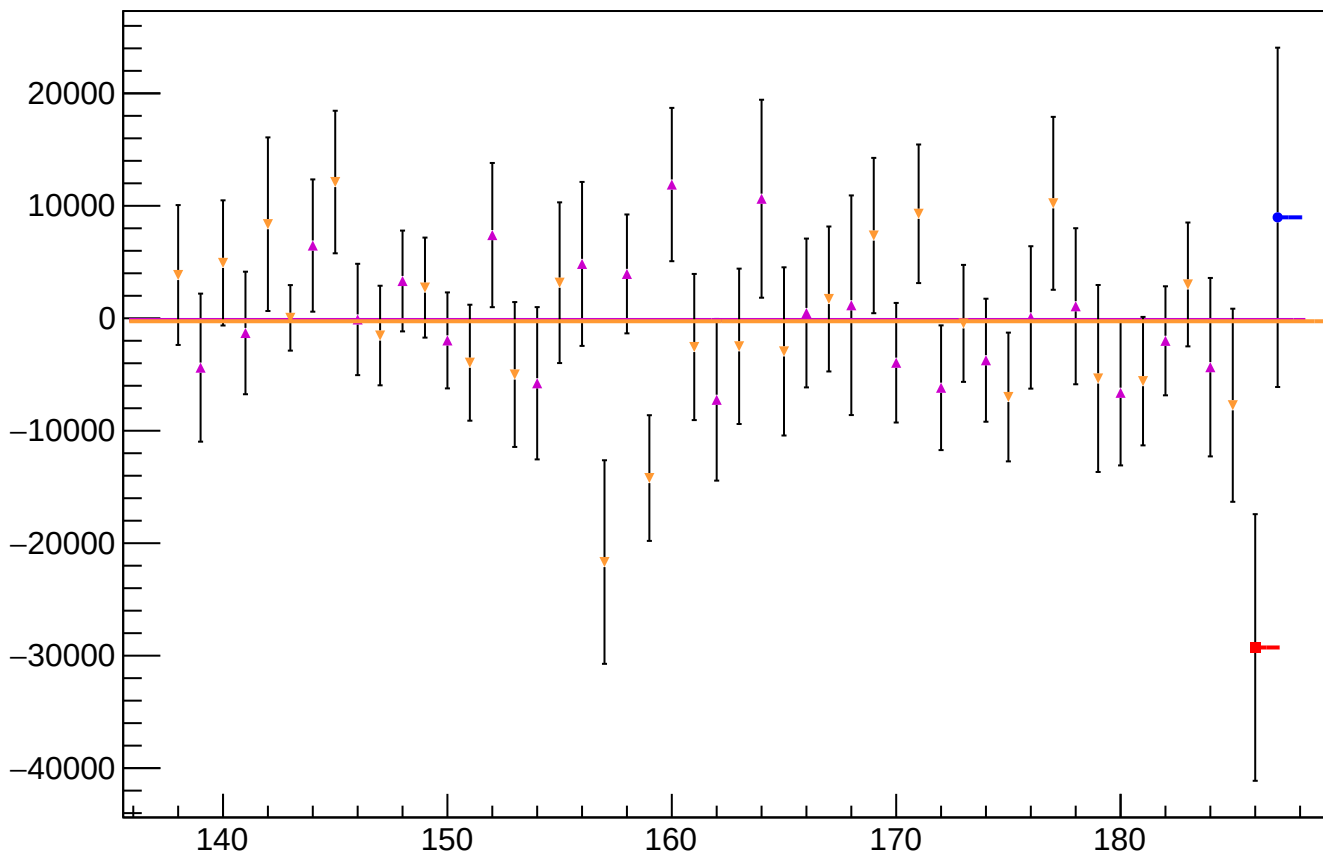
Right: 1442.306+/-1.395 χ^2/NDF : 331.0/1

In: 1507.071+/-0.254 χ^2/NDF :133154.5/23

Out: 1517.733+/-0.250 χ^2/NDF :367114.9/25

All: 1512.488+/-0.178 χ^2/NDF : 501161.3/49

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: 8975.199+/-15086.703 χ^2/NDF : 0.0/0

Left Out: -264.324+/-1151.119 χ^2/NDF :29.7/24

Right Out: -29272.334+/-11854.412 χ^2/NDF : 0.0/0

Left In: -151.239+/-1241.800 χ^2/NDF :14.9/22

Left: -212.060+/-844.204 χ^2/NDF : 44.6/47

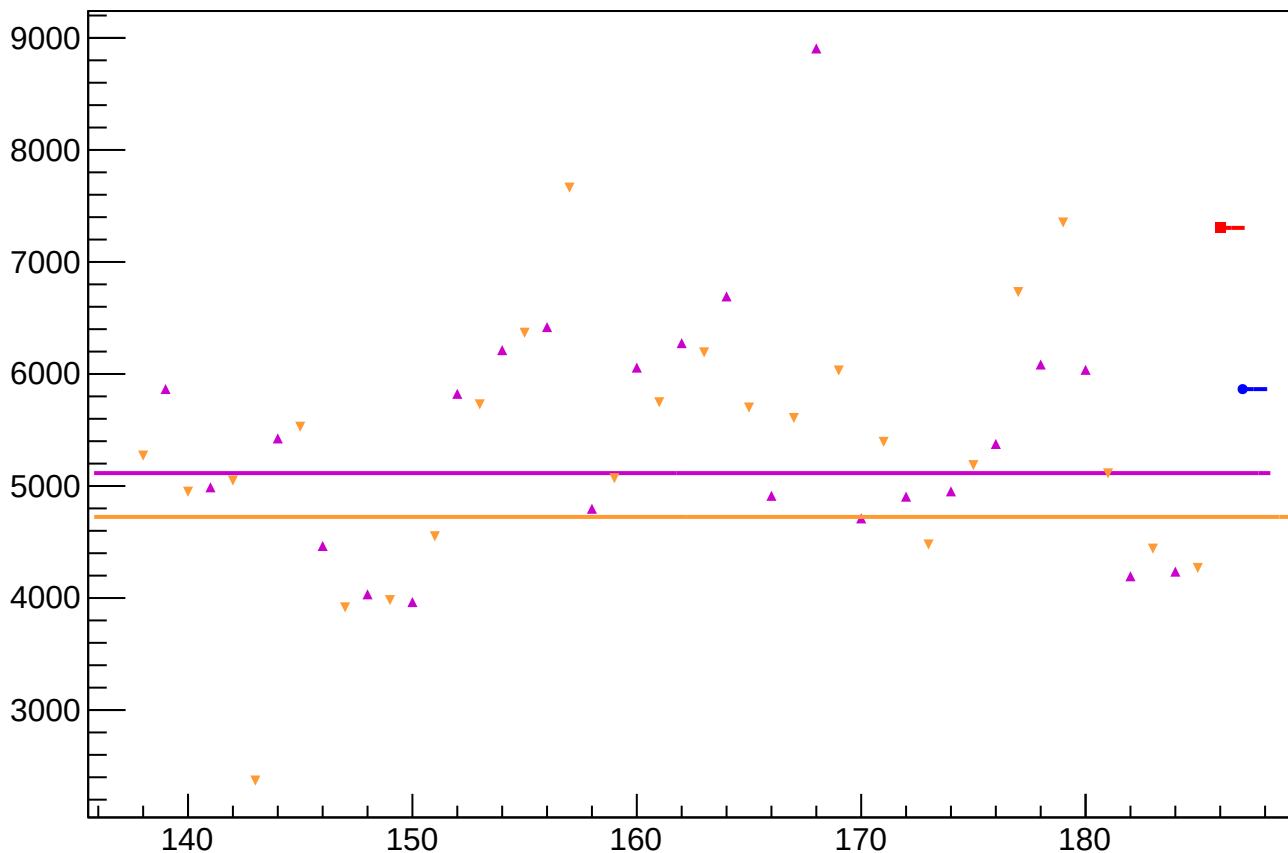
Right: -14672.244+/-9321.169 χ^2/NDF : 4.0/1

In: -89.823+/-1237.614 χ^2/NDF :15.2/23

Out: -535.294+/-1145.730 χ^2/NDF :35.6/25

All: -329.707+/-840.762 χ^2/NDF : 50.9/49

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 5864.843 $\pm$ 10.668 χ^2 /NDF: 0.0/0

Left Out: 4724.027 $\pm$ 0.814 χ^2 /NDF:2537532.1/24

Right Out: 7304.343 $\pm$ 8.382 χ^2 /NDF: 0.0/0

Left In: 5115.139 $\pm$ 0.878 χ^2 /NDF:1131347.2/22

Left: 4904.783 $\pm$ 0.597 χ^2 /NDF: 3775584.1/47

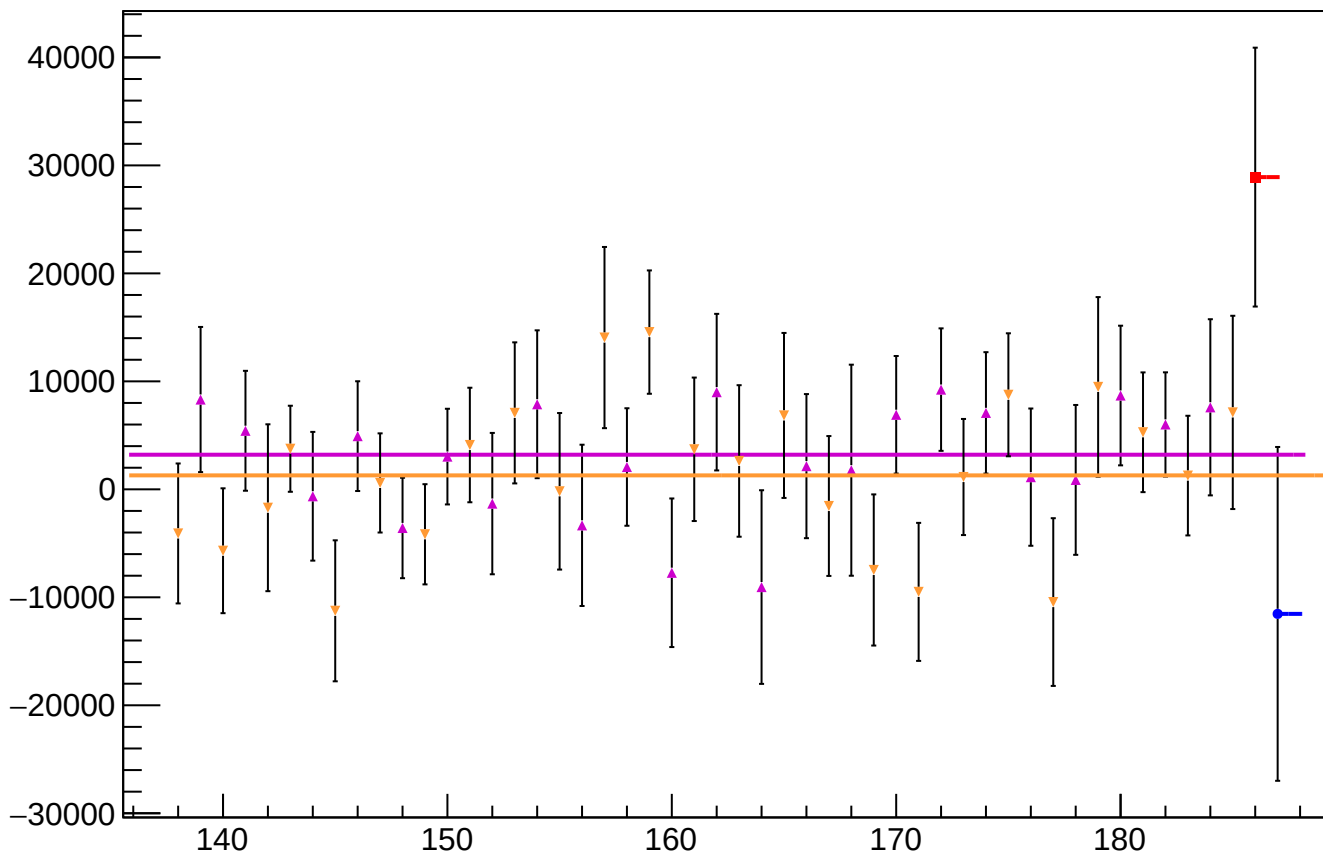
Right: 6754.848 $\pm$ 6.591 χ^2 /NDF: 11257.6/1

In: 5120.184 $\pm$ 0.875 χ^2 /NDF:1136252.7/23

Out: 4748.130 $\pm$ 0.810 χ^2 /NDF:2631405.0/25

All: 4919.835 $\pm$ 0.595 χ^2 /NDF: 3864989.3/49

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: -11535.233+/-15458.115 χ^2/NDF : 0.0/0

Left Out: 1292.246+/-1215.761 χ^2/NDF : 27.8/24

Right Out: 28914.795+/-11987.514 χ^2/NDF : 0.0/0

Left In: 3205.363+/-1265.586 χ^2/NDF : 13.9/22

Left: 2210.405+/-876.758 χ^2/NDF : 42.9/47

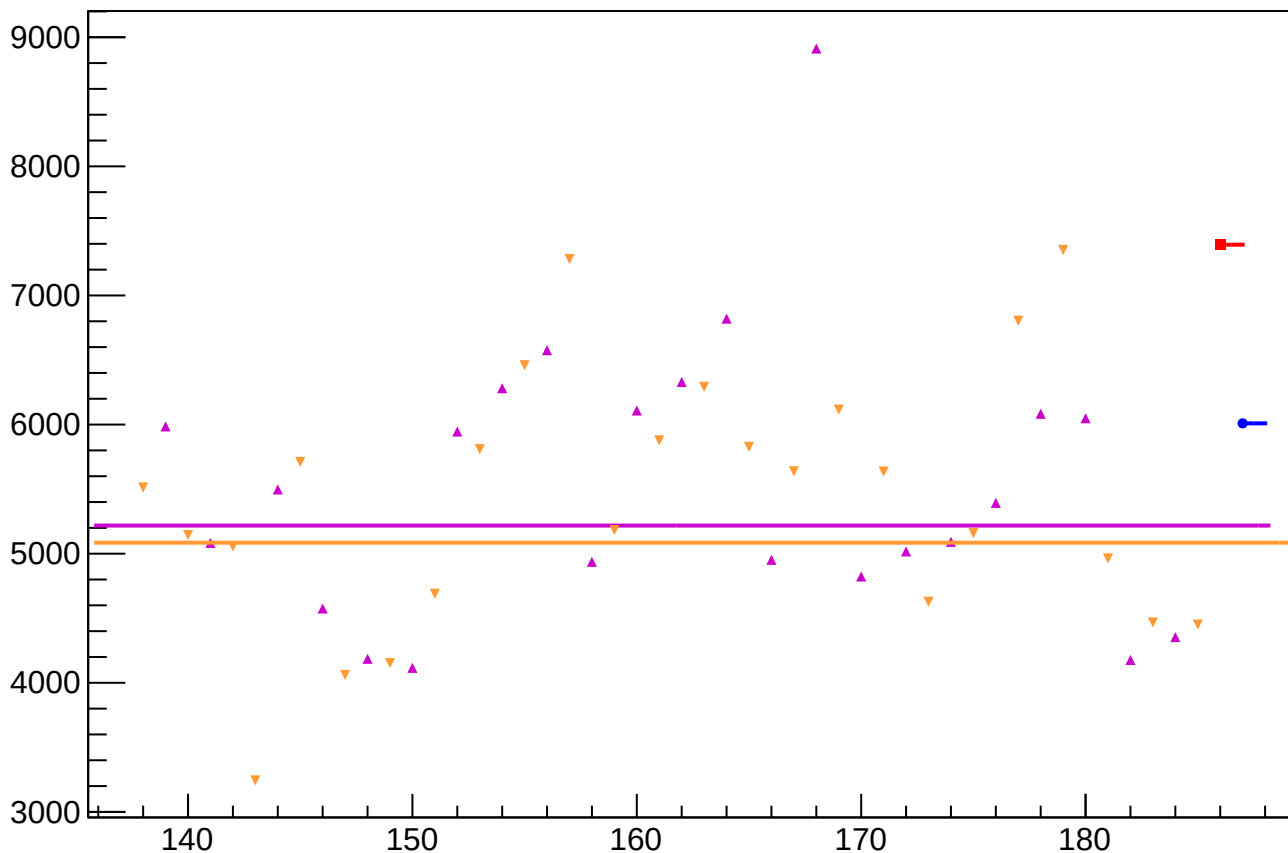
Right: 13724.332+/-9472.893 χ^2/NDF : 4.3/1

In: 3107.215+/-1261.366 χ^2/NDF : 14.8/23

Out: 1573.473+/-1209.557 χ^2/NDF : 33.1/25

All: 2308.199+/-873.027 χ^2/NDF : 48.6/49

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 6009.383+/-10.931 χ^2/NDF : 0.0/0

Left Out: 5085.307+/-0.860 χ^2/NDF :1356698.4/24

Right Out: 7393.224+/-8.476 χ^2/NDF : 0.0/0

Left In: 5217.971+/-0.895 χ^2/NDF :1058996.1/22

Left: 5148.976+/-0.620 χ^2/NDF : 2427123.8/47

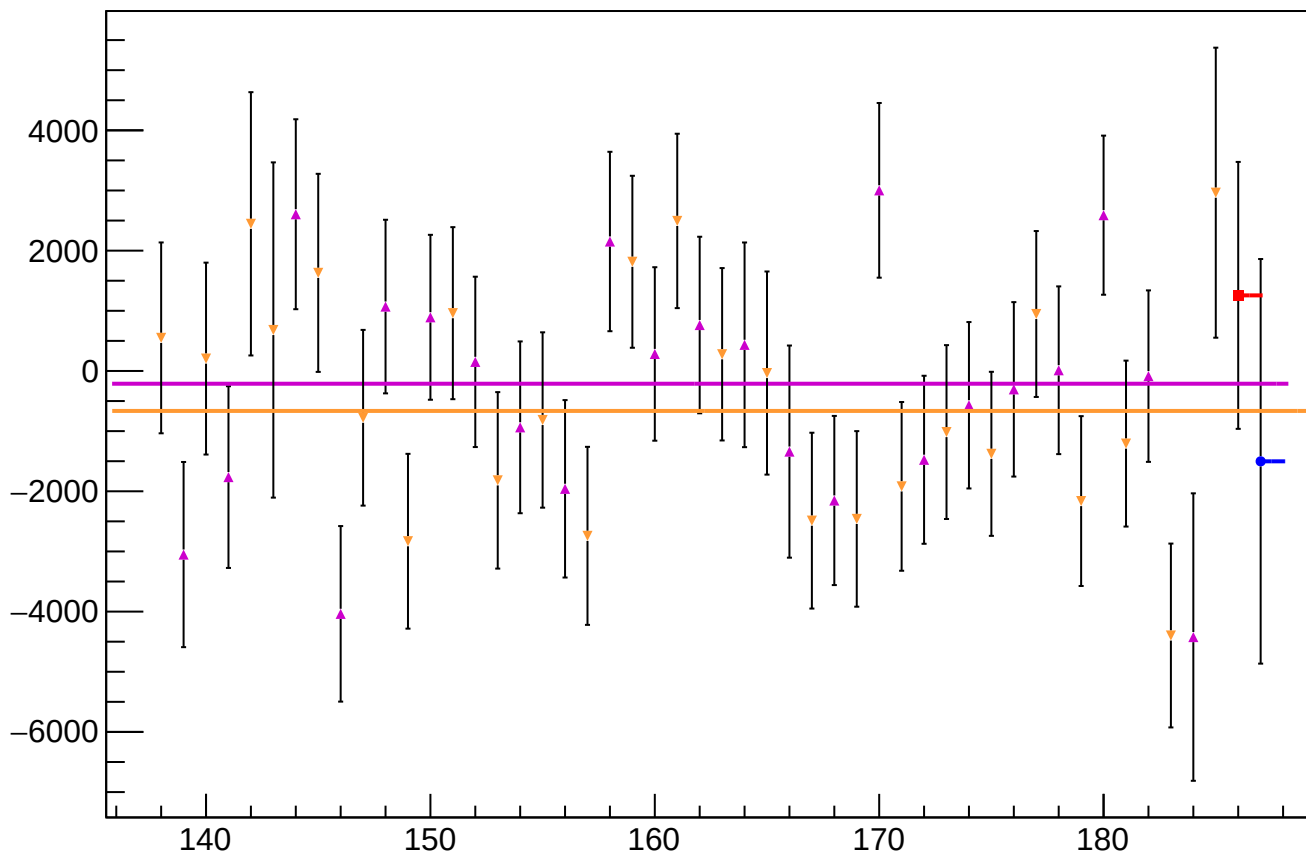
Right: 6873.541+/-6.698 χ^2/NDF : 10009.1/1

In: 5223.241+/-0.892 χ^2/NDF :1064203.5/23

Out: 5108.804+/-0.855 χ^2/NDF :1430076.7/25

All: 5163.624+/-0.617 χ^2/NDF : 2502856.2/49

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -1501.989+/-3362.818 χ^2/NDF : 0.0/0

Left Out: -664.362+/-305.119 χ^2/NDF :34.6/24

Right Out: 1256.411+/-2218.569 χ^2/NDF : 0.0/0

Left In: -212.071+/-308.597 χ^2/NDF :36.6/22

Left: -440.780+/-216.971 χ^2/NDF : 72.3/47

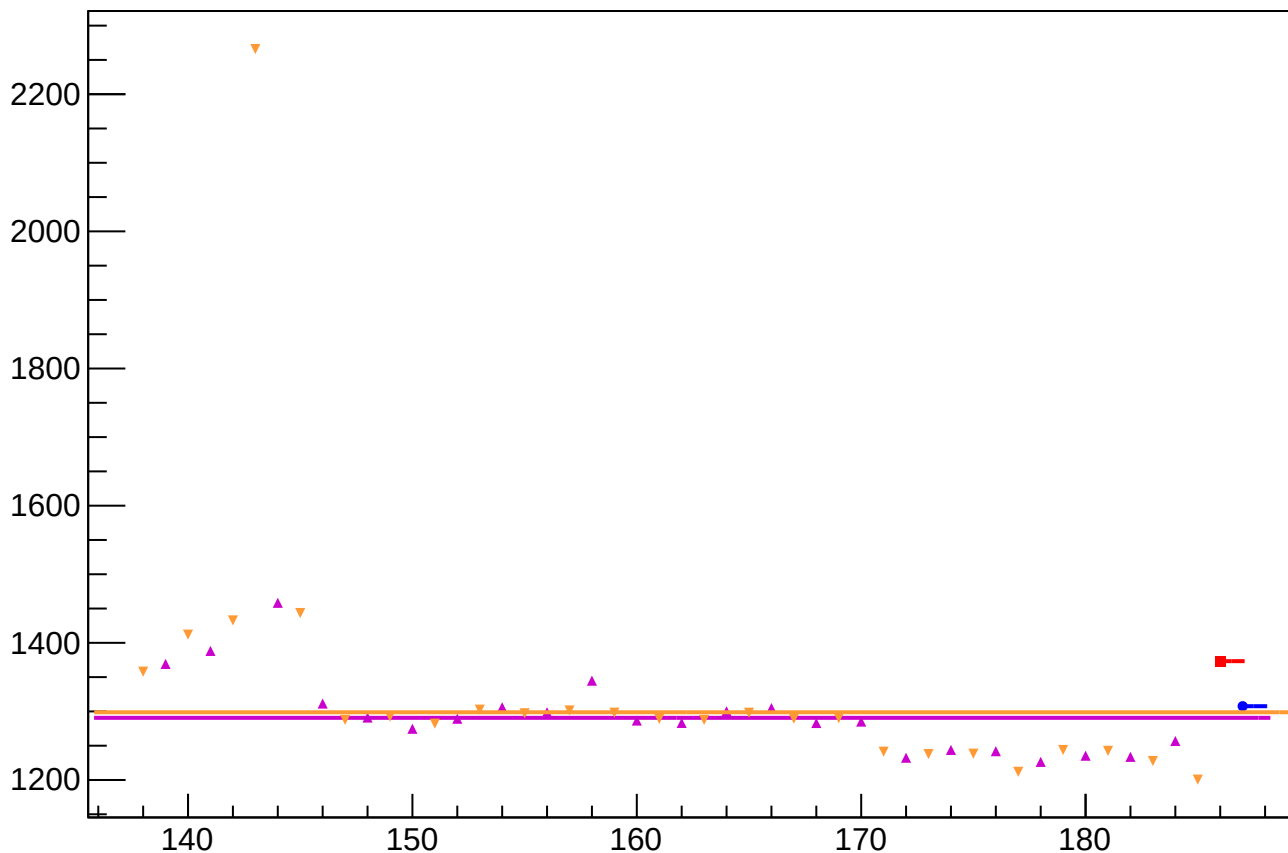
Right: 419.906+/-1851.864 χ^2/NDF : 0.5/1

In: -222.843+/-307.306 χ^2/NDF :36.8/23

Out: -628.706+/-302.274 χ^2/NDF :35.3/25

All: -429.125+/-215.497 χ^2/NDF : 73.0/49

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1307.598+/-2.378 χ^2/NDF : 0.0/0

Left Out: 1298.743+/-0.216 χ^2/NDF :310344.8/24

Right Out: 1373.283+/-1.569 χ^2/NDF : 0.0/0

Left In: 1290.644+/-0.218 χ^2/NDF :59427.8/22

Left: 1294.740+/-0.153 χ^2/NDF : 370469.1/47

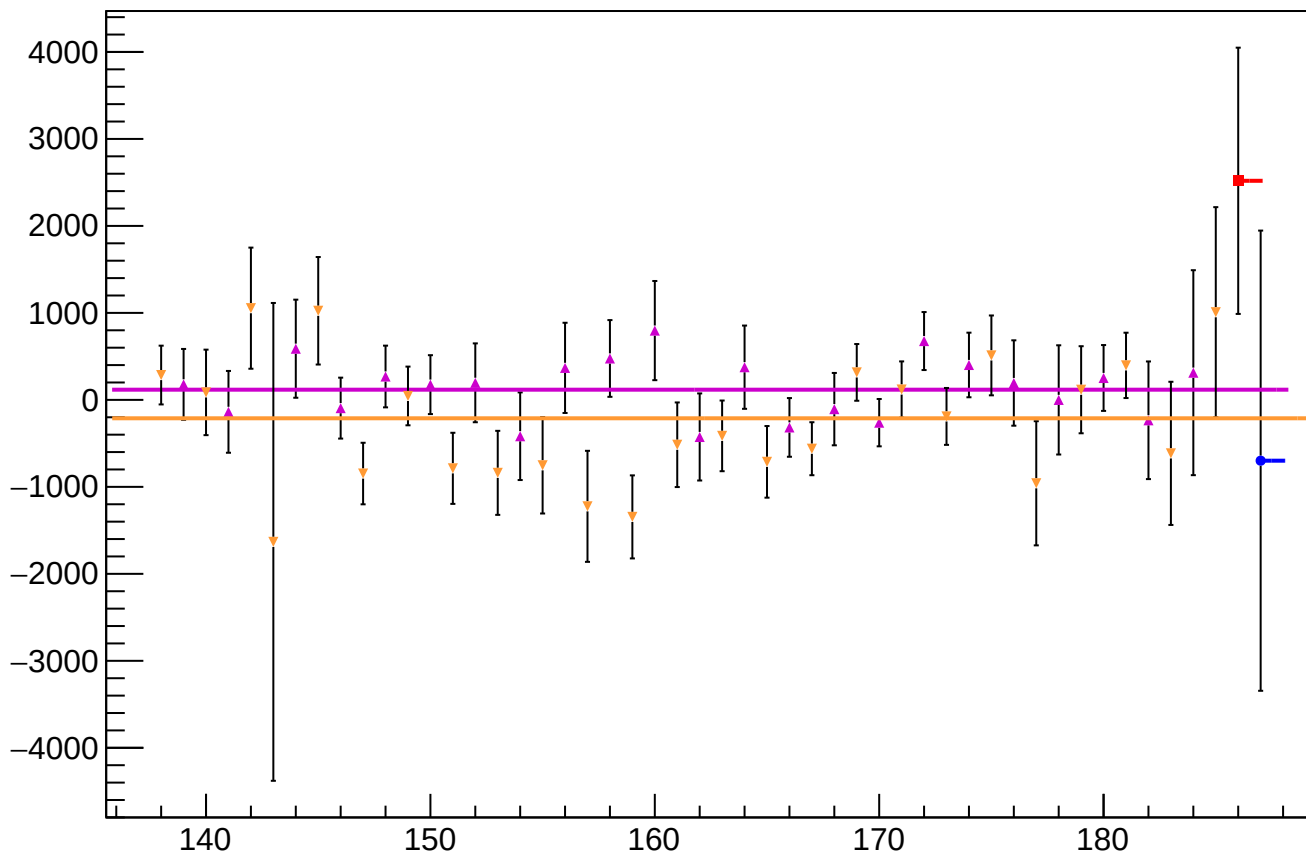
Right: 1353.364+/-1.309 χ^2/NDF : 531.6/1

In: 1290.786+/-0.217 χ^2/NDF :59478.2/23

Out: 1300.127+/-0.214 χ^2/NDF :312560.5/25

All: 1295.534+/-0.152 χ^2/NDF : 372977.9/49

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: -699.148+/-2645.413 χ^2/NDF : 0.0/0

Left Out: -211.646+/-87.670 χ^2/NDF : 41.7/24

Right Out: 2518.710+/-1530.477 χ^2/NDF : 0.0/0

Left In: 117.113+/-88.214 χ^2/NDF : 14.3/22

Left: -48.284+/-62.183 χ^2/NDF : 63.0/47

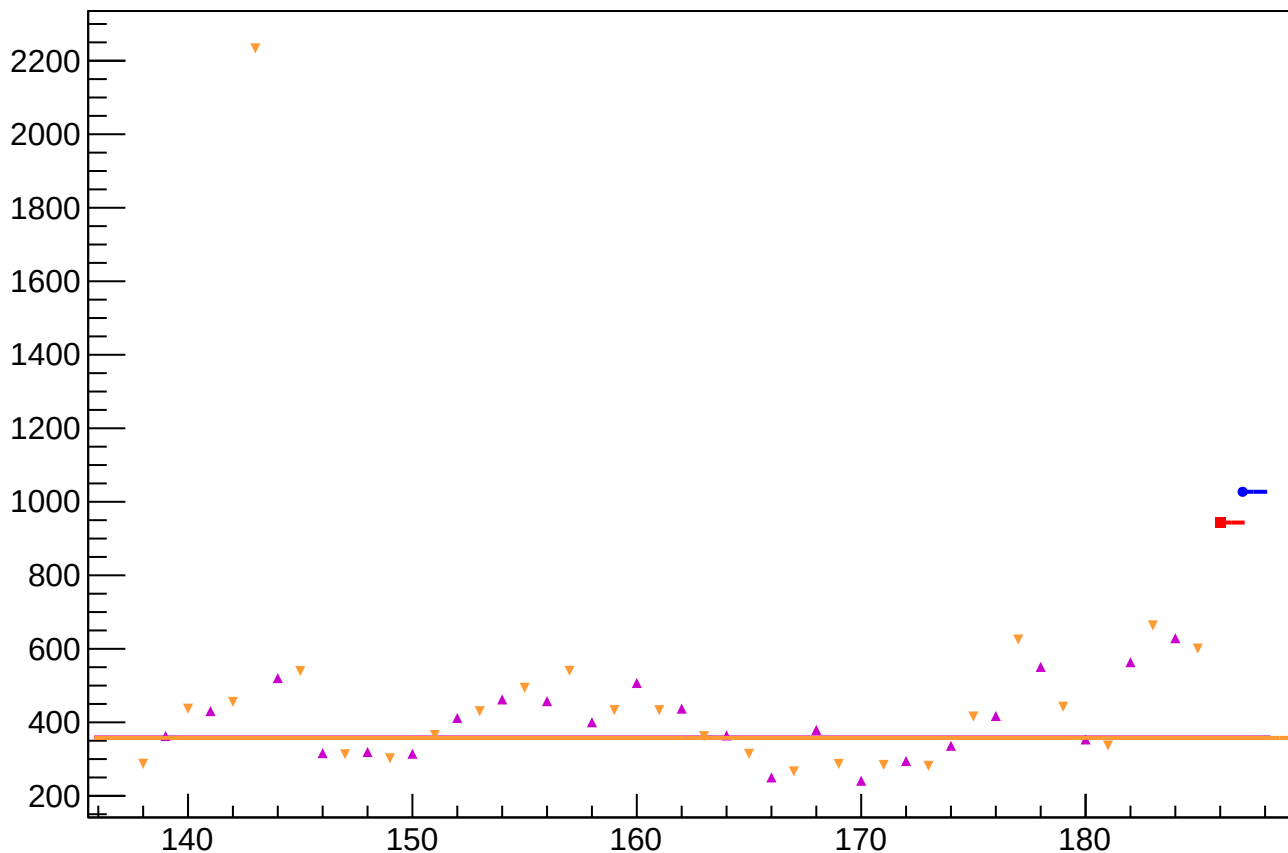
Right: 1711.759+/-1324.749 χ^2/NDF : 1.1/1

In: 116.207+/-88.165 χ^2/NDF : 14.4/23

Out: -202.716+/-87.526 χ^2/NDF : 44.9/25

All: -44.414+/-62.115 χ^2/NDF : 65.8/49

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 1027.263+/-1.871 χ^2/NDF : 0.0/0

Left Out: 357.749+/-0.062 χ^2/NDF : 3042055.7/24

Right Out: 943.558+/-1.082 χ^2/NDF : 0.0/0

Left In: 359.000+/-0.062 χ^2/NDF : 1858849.9/22

Left: 358.371+/-0.044 χ^2/NDF : 4901108.0/47

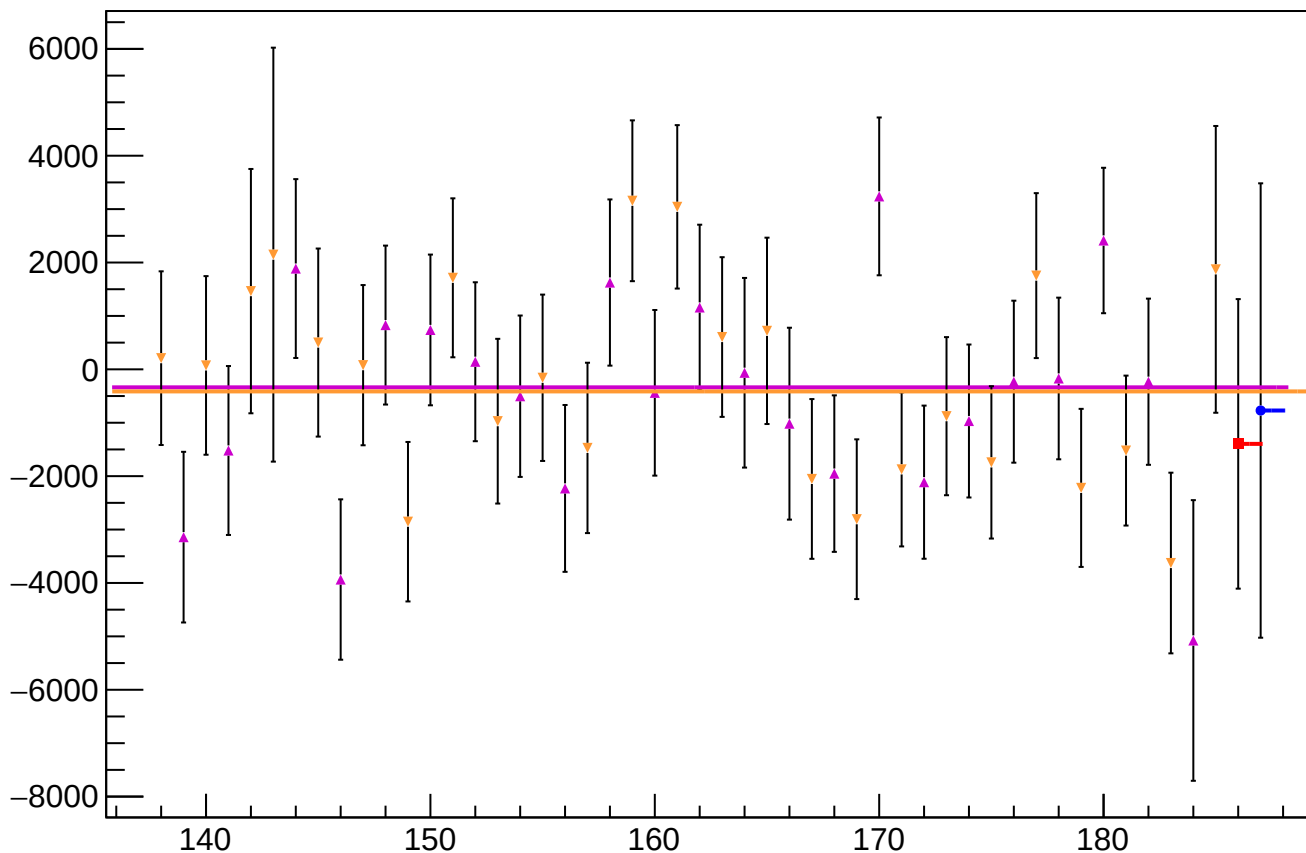
Right: 964.549+/-0.937 χ^2/NDF : 1500.2/1

In: 359.743+/-0.062 χ^2/NDF : 1986333.5/23

Out: 359.665+/-0.062 χ^2/NDF : 3334111.2/25

All: 359.704+/-0.044 χ^2/NDF : 5320445.5/49

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.055+/-4254.110 χ^2/NDF : 0.0/0

Left Out: -413.407+/-320.677 χ^2/NDF : 32.8/24

Right Out: -1395.825+/-2710.818 χ^2/NDF : 0.0/0

Left In: -337.193+/-323.023 χ^2/NDF : 32.8/22

Left: -375.578+/-227.578 χ^2/NDF : 65.6/47

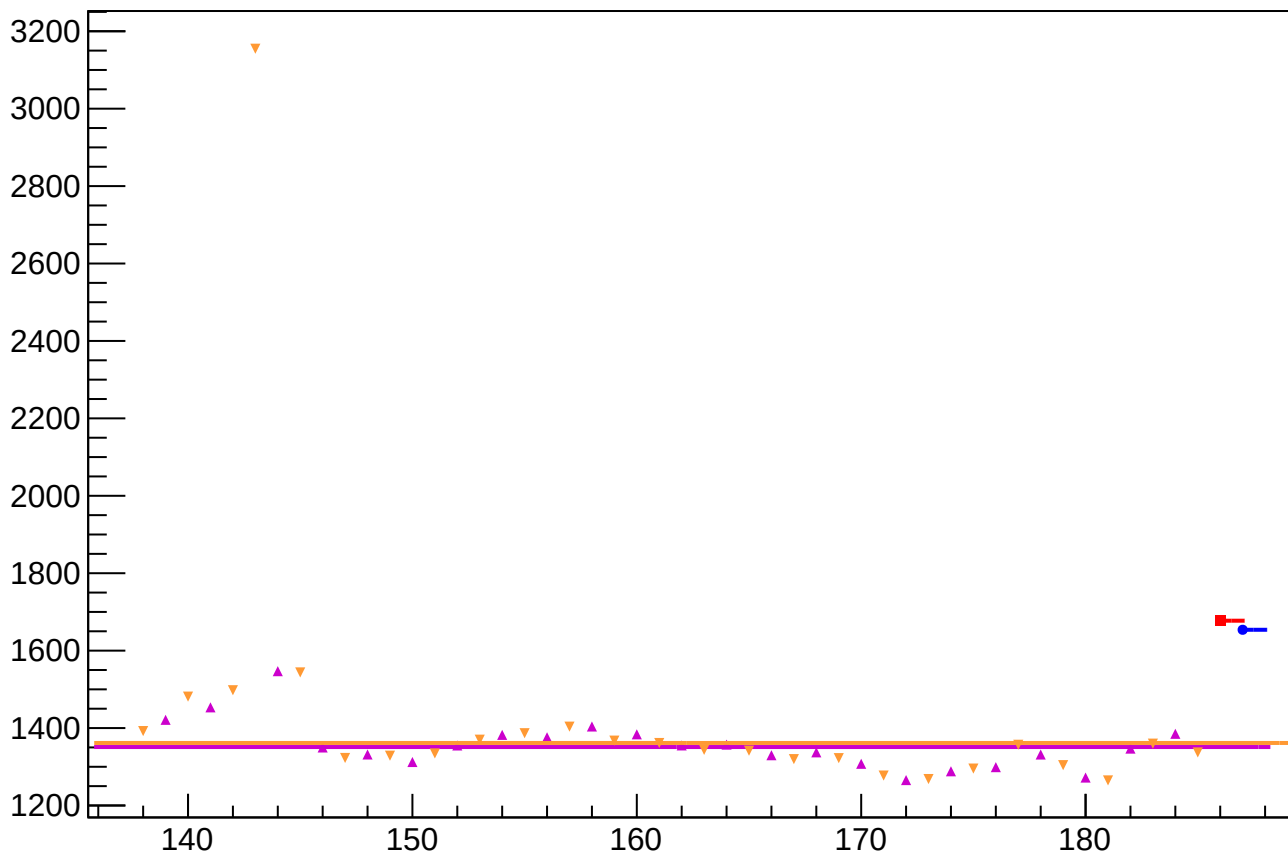
Right: -1215.398+/-2286.122 χ^2/NDF : 0.0/1

In: -339.680+/-322.096 χ^2/NDF : 32.8/23

Out: -426.965+/-318.456 χ^2/NDF : 32.9/25

All: -383.818+/-226.458 χ^2/NDF : 65.8/49

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1653.880+/-3.008 χ^2/NDF : 0.0/0

Left Out: 1361.511+/-0.227 χ^2/NDF : 507869.8/24

Right Out: 1677.329+/-1.917 χ^2/NDF : 0.0/0

Left In: 1351.012+/-0.228 χ^2/NDF : 68978.1/22

Left: 1356.300+/-0.161 χ^2/NDF : 577911.7/47

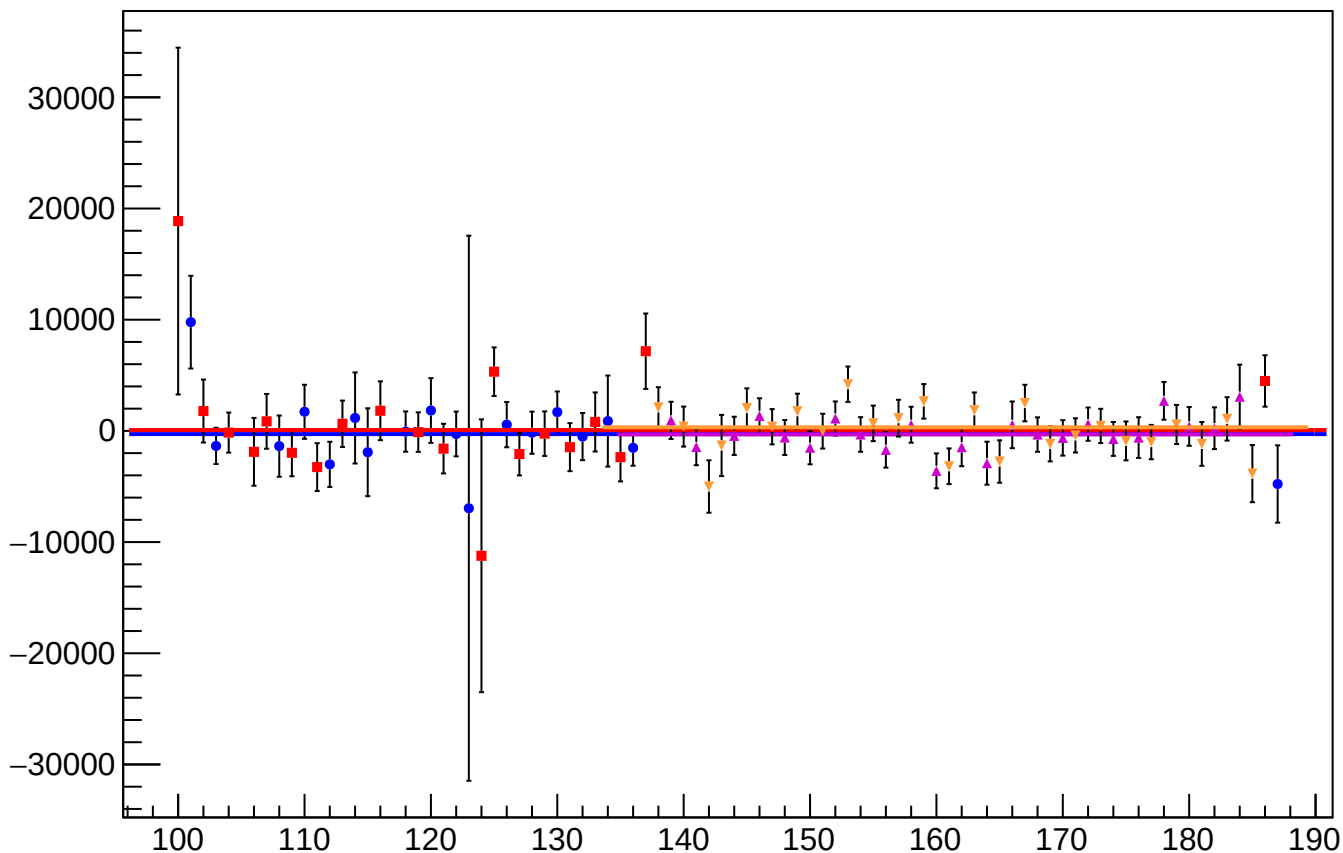
Right: 1670.558+/-1.617 χ^2/NDF : 43.2/1

In: 1352.749+/-0.228 χ^2/NDF : 79057.2/23

Out: 1365.869+/-0.225 χ^2/NDF : 534641.1/25

All: 1359.383+/-0.160 χ^2/NDF : 615376.4/49

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -288.984+/-547.736 χ^2/NDF : 13.5/17

Left Out: 320.058+/-344.642 χ^2/NDF : 32.4/24

Right Out: 75.782+/-525.945 χ^2/NDF : 24.5/19

Left In: -310.833+/-348.292 χ^2/NDF : 16.8/22

Left: 7.936+/-244.979 χ^2/NDF : 50.9/47

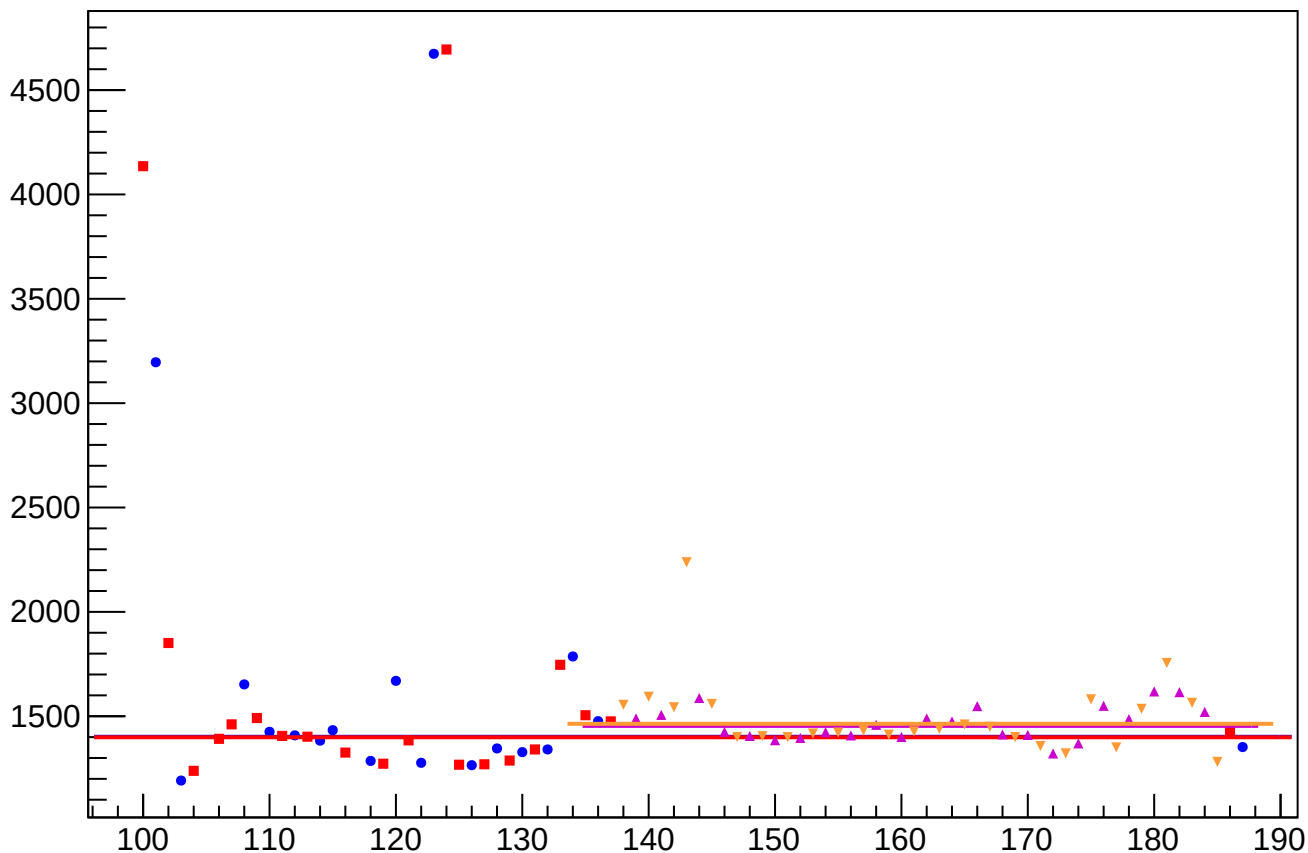
Right: -99.201+/-379.369 χ^2/NDF : 38.2/37

In: -304.542+/-293.906 χ^2/NDF : 30.3/40

Out: 246.677+/-288.265 χ^2/NDF : 57.1/44

All: -23.592+/-205.799 χ^2/NDF : 89.2/85

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1401.458+/-0.387 χ^2/NDF : 526736.1/17

Left Out: 1463.714+/-0.244 χ^2/NDF : 310491.4/24

Right Out: 1399.197+/-0.372 χ^2/NDF : 353774.4/19

Left In: 1453.763+/-0.246 χ^2/NDF : 99224.2/22

Left: 1458.791+/-0.173 χ^2/NDF : 410540.5/47

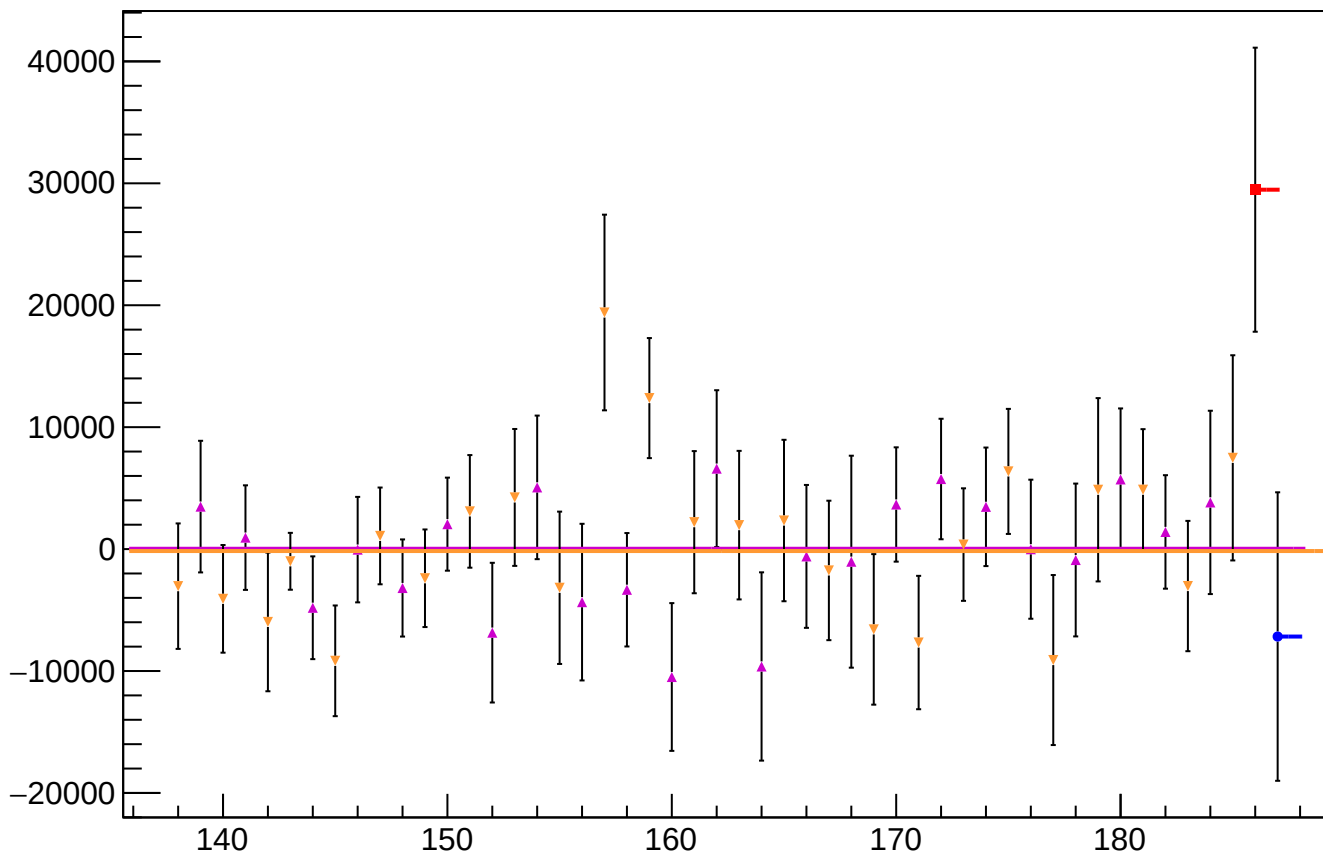
Right: 1400.281+/-0.268 χ^2/NDF : 880528.2/37

In: 1438.703+/-0.208 χ^2/NDF : 638946.9/40

Out: 1444.318+/-0.204 χ^2/NDF : 685336.2/44

All: 1441.565+/-0.146 χ^2/NDF : 1324655.1/85

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: -7173.073+/-11830.844 χ^2/NDF : 0.0/0

Left Out: -160.118+/-989.347 χ^2/NDF : 29.7/24

Right Out: 29476.407+/-11648.911 χ^2/NDF : 0.0/0

Left In: 26.926+/-1085.415 χ^2/NDF : 15.3/22

Left: -75.238+/-731.183 χ^2/NDF : 45.0/47

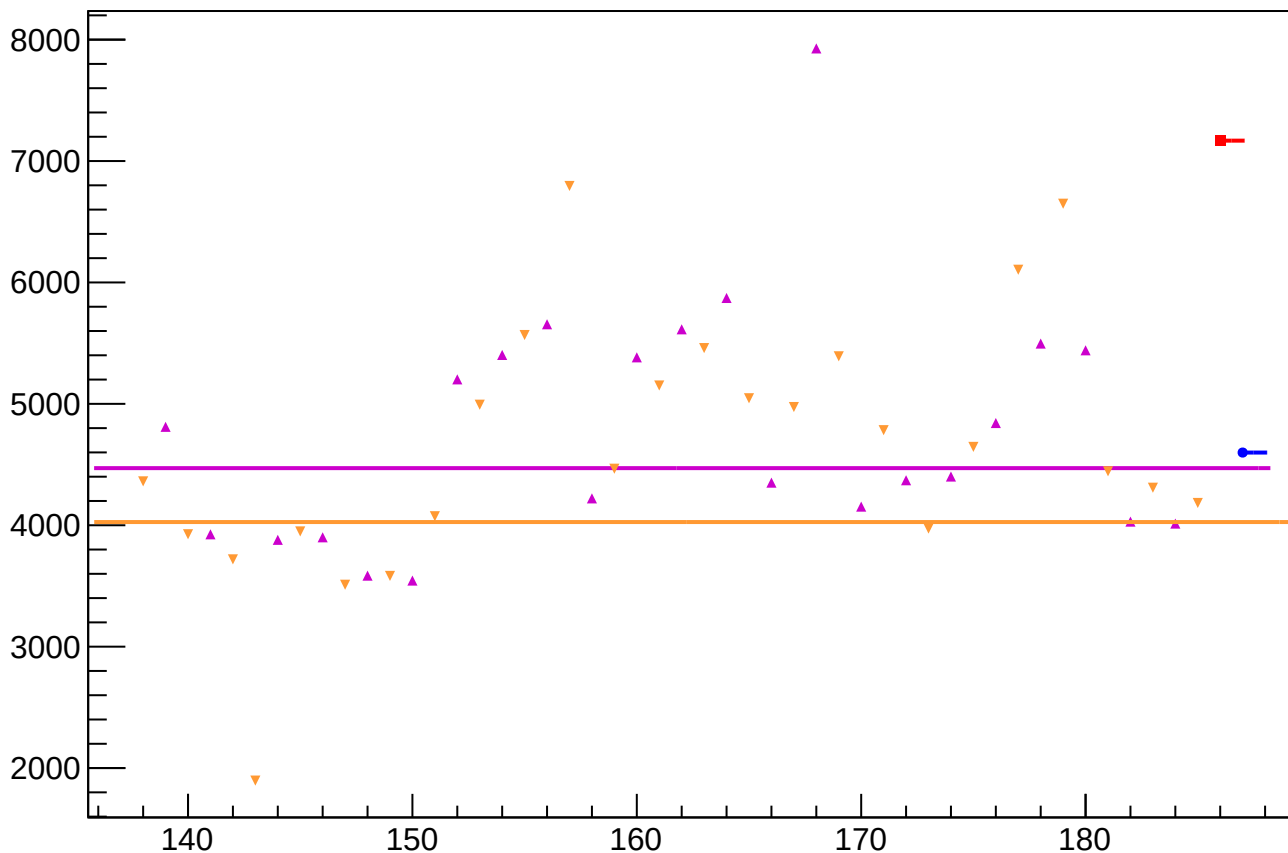
Right: 11435.628+/-8300.599 χ^2/NDF : 4.9/1

In: -33.171+/-1080.875 χ^2/NDF : 15.6/23

Out: 52.124+/-985.798 χ^2/NDF : 36.2/25

All: 13.392+/-728.363 χ^2/NDF : 51.8/49

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 4598.824 $\pm$ 8.366 χ^2 /NDF: 0.0/0

Left Out: 4026.447 $\pm$ 0.700 χ^2 /NDF: 3071265.0/24

Right Out: 7167.971 $\pm$ 8.237 χ^2 /NDF: 0.0/0

Left In: 4470.490 $\pm$ 0.768 χ^2 /NDF: 1132495.2/22

Left: 4227.952 $\pm$ 0.517 χ^2 /NDF: 4386588.9/47

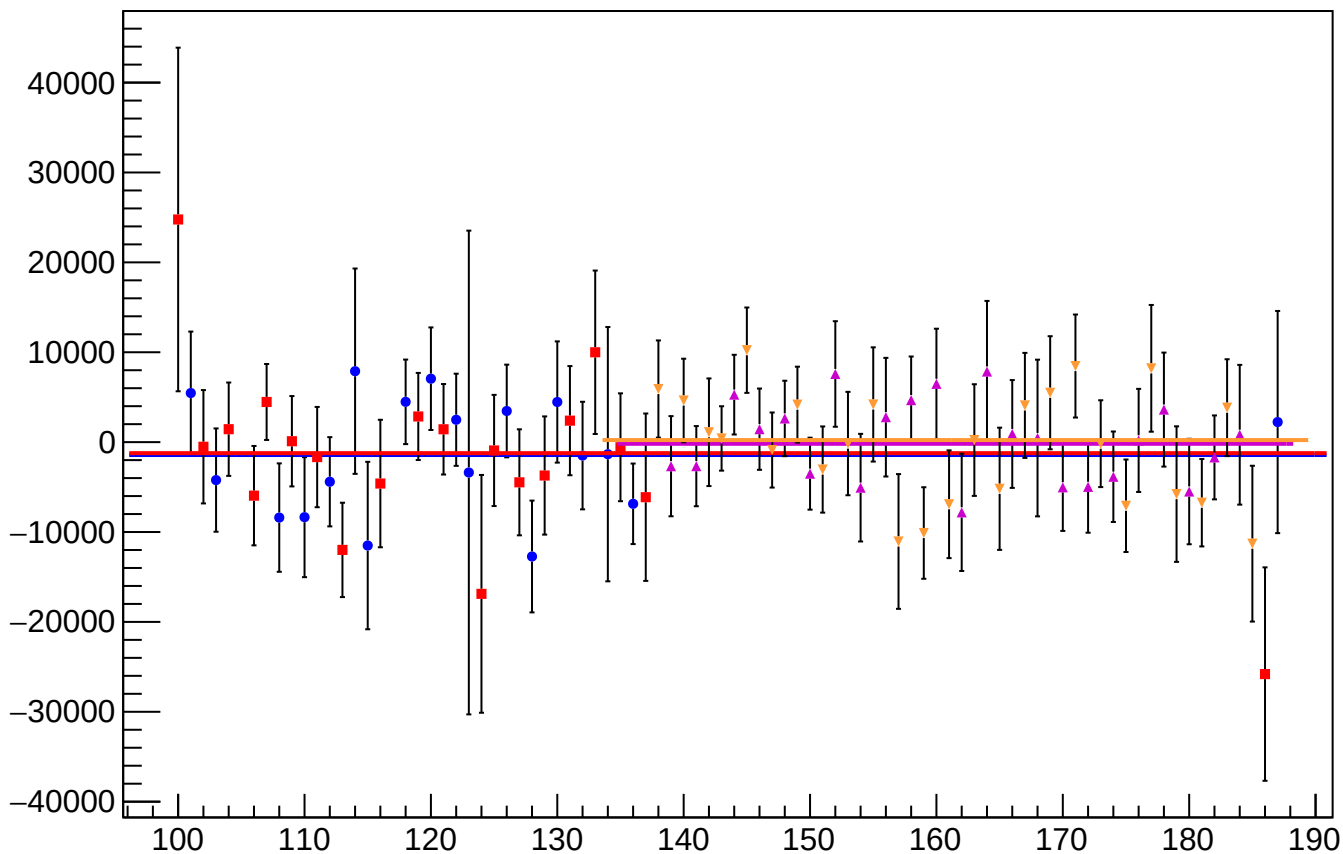
Right: 5903.303 $\pm$ 5.869 χ^2 /NDF: 47887.8/1

In: 4471.561 $\pm$ 0.764 χ^2 /NDF: 1132728.6/23

Out: 4048.945 $\pm$ 0.697 χ^2 /NDF: 3215682.2/25

All: 4240.852 $\pm$ 0.515 χ^2 /NDF: 4515324.1/49

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1433.076+/-1488.208 χ^2/NDF : 16.8/17

Left Out: 229.897+/-1073.528 χ^2/NDF : 28.1/24

Right Out: -1225.698+/-1369.703 χ^2/NDF : 18.5/19

Left In: -185.280+/-1119.296 χ^2/NDF : 14.3/22

Left: 30.970+/-774.774 χ^2/NDF : 42.5/47

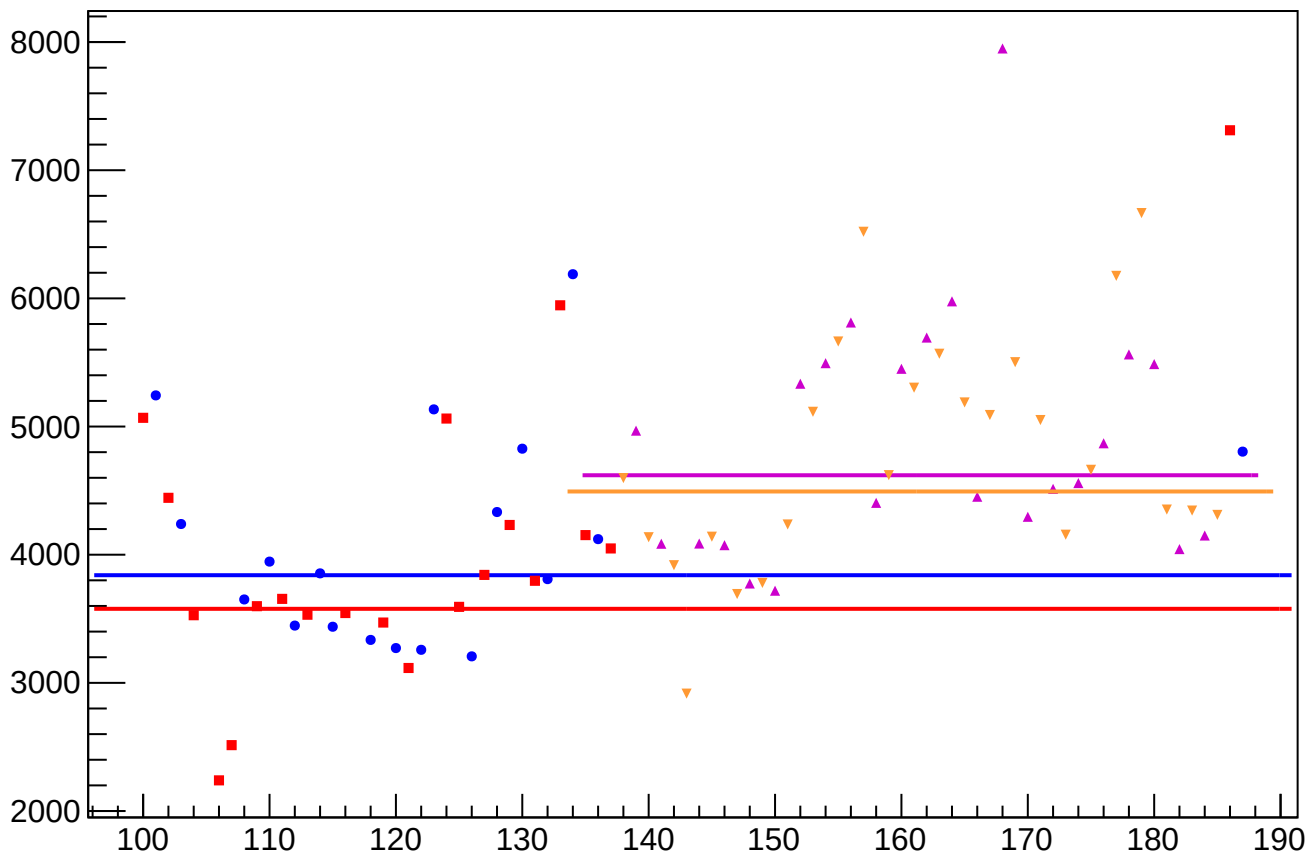
Right: -1320.803+/-1007.821 χ^2/NDF : 35.2/37

In: -636.103+/-894.530 χ^2/NDF : 31.5/40

Out: -324.005+/-844.934 χ^2/NDF : 47.3/44

All: -471.163+/-614.244 χ^2/NDF : 78.8/85

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3840.030+/-1.052 χ^2/NDF : 346757.4/17

Left Out: 4493.314+/-0.759 χ^2/NDF :1309134.5/24

Right Out: 3577.745+/-0.960 χ^2/NDF : 755861.2/19

Left In: 4619.952+/-0.791 χ^2/NDF :1001966.3/22

Left: 4553.991+/-0.548 χ^2/NDF : 2324435.7/47

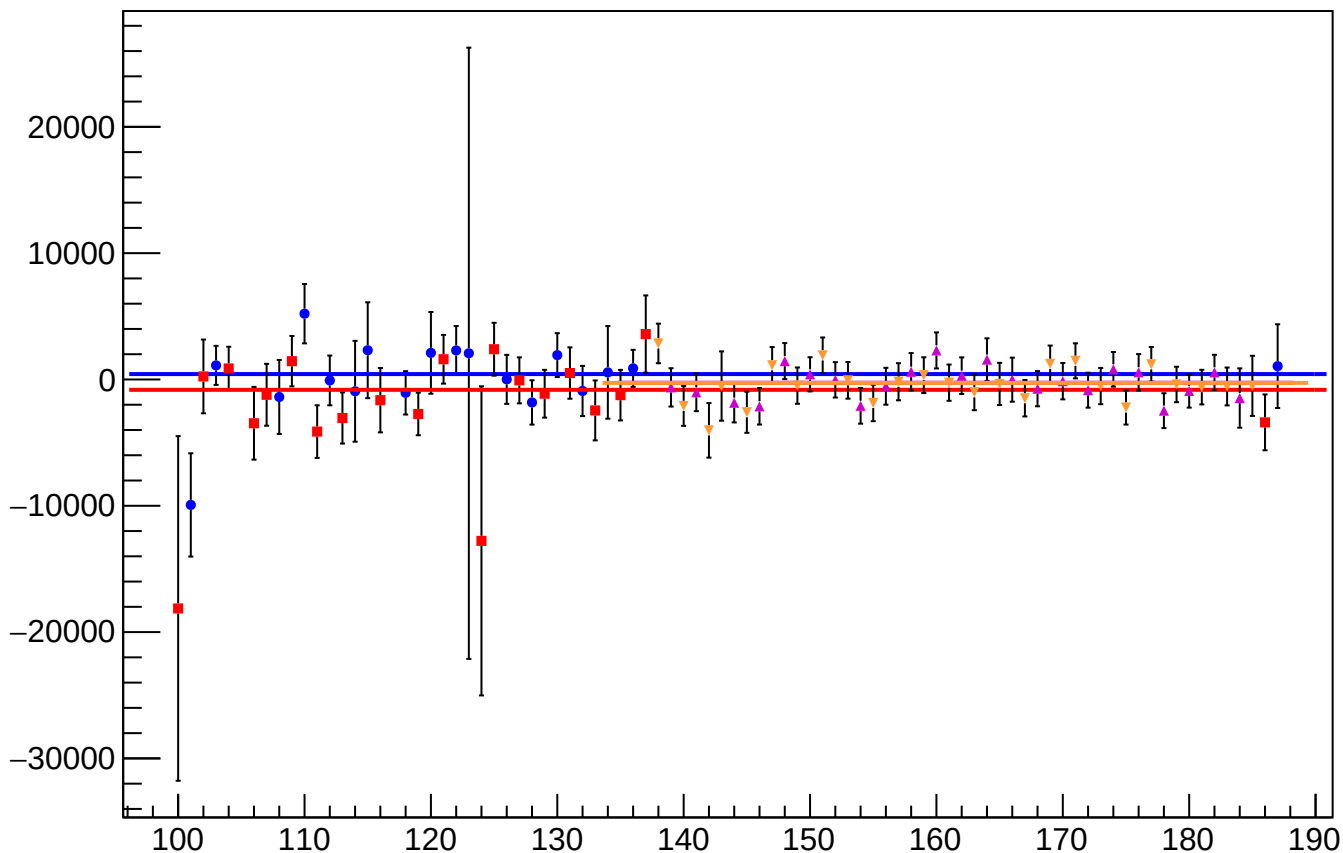
Right: 3696.861+/-0.709 χ^2/NDF : 1136530.2/37

In: 4338.161+/-0.633 χ^2/NDF :1699572.1/40

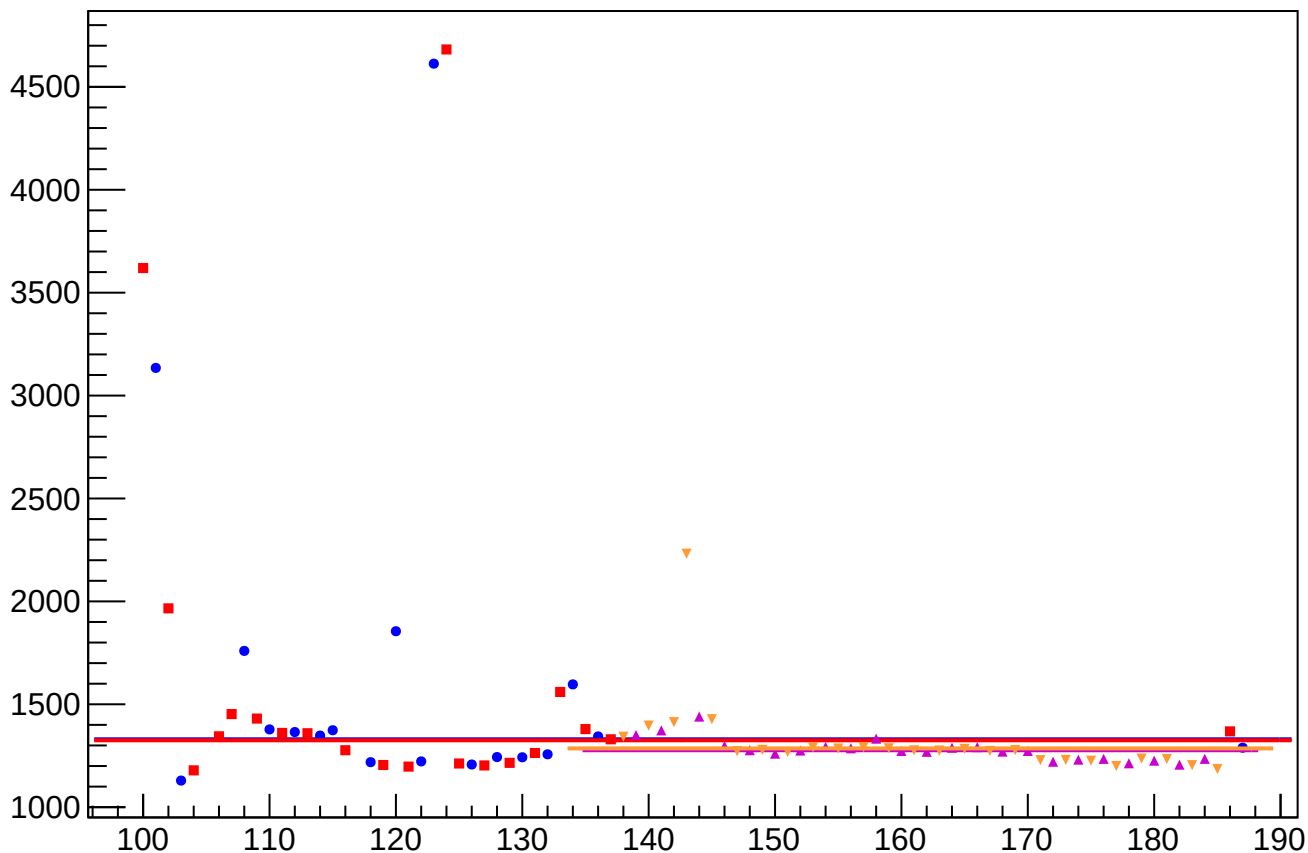
Out: 4141.012+/-0.595 χ^2/NDF :2624765.1/44

All: 4233.632+/-0.434 χ^2/NDF : 4375845.5/85

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1329.855+/-0.369 χ^2/NDF : 603784.9/17

Left Out: 1285.574+/-0.214 χ^2/NDF : 306057.6/24

Right Out: 1325.016+/-0.352 χ^2/NDF : 395224.4/19

Left In: 1276.755+/-0.216 χ^2/NDF : 59434.2/22

Left: 1281.212+/-0.152 χ^2/NDF : 366335.3/47

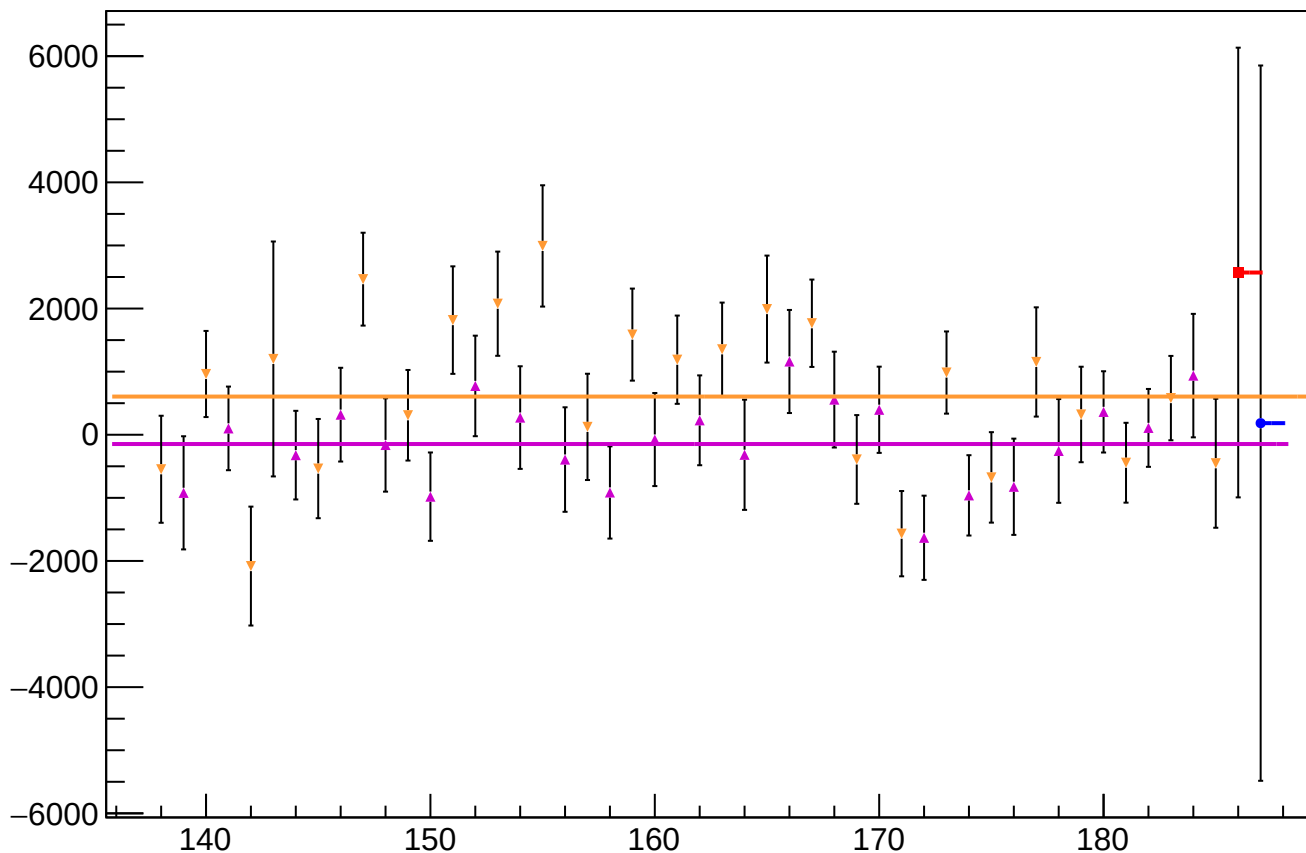
Right: 1327.320+/-0.254 χ^2/NDF : 999099.5/37

In: 1290.311+/-0.186 χ^2/NDF : 678666.0/40

Out: 1296.208+/-0.183 χ^2/NDF : 710477.1/44

All: 1293.320+/-0.130 χ^2/NDF : 1389654.3/85

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 183.825+/-5668.087 χ^2/NDF : 0.0/0

Left Out: 605.167+/-153.922 χ^2/NDF :60.0/24

Right Out: 2570.869+/-3563.568 χ^2/NDF : 0.0/0

Left In: -147.044+/-154.051 χ^2/NDF :19.4/22

Left: 229.377+/-108.885 χ^2/NDF : 91.3/47

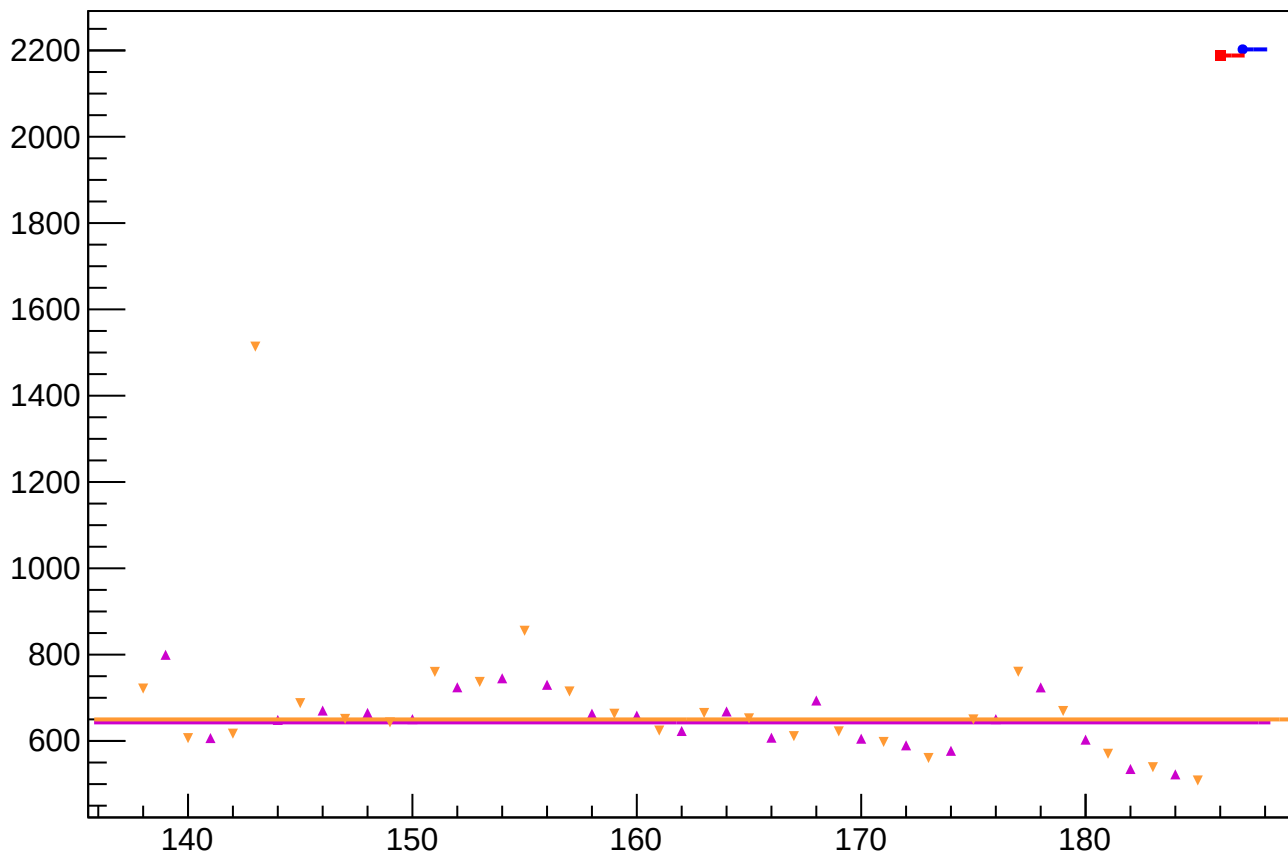
Right: 1894.633+/-3016.862 χ^2/NDF : 0.1/1

In: -146.800+/-153.994 χ^2/NDF :19.4/23

Out: 608.827+/-153.779 χ^2/NDF :60.3/25

All: 231.543+/-108.814 χ^2/NDF : 91.7/49

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 2202.404+/-4.008 χ^2/NDF : 0.0/0

Left Out: 649.866+/-0.109 χ^2/NDF :840823.5/24

Right Out: 2188.242+/-2.520 χ^2/NDF : 0.0/0

Left In: 643.008+/-0.109 χ^2/NDF :323844.6/22

Left: 646.440+/-0.077 χ^2/NDF : 1166651.7/47

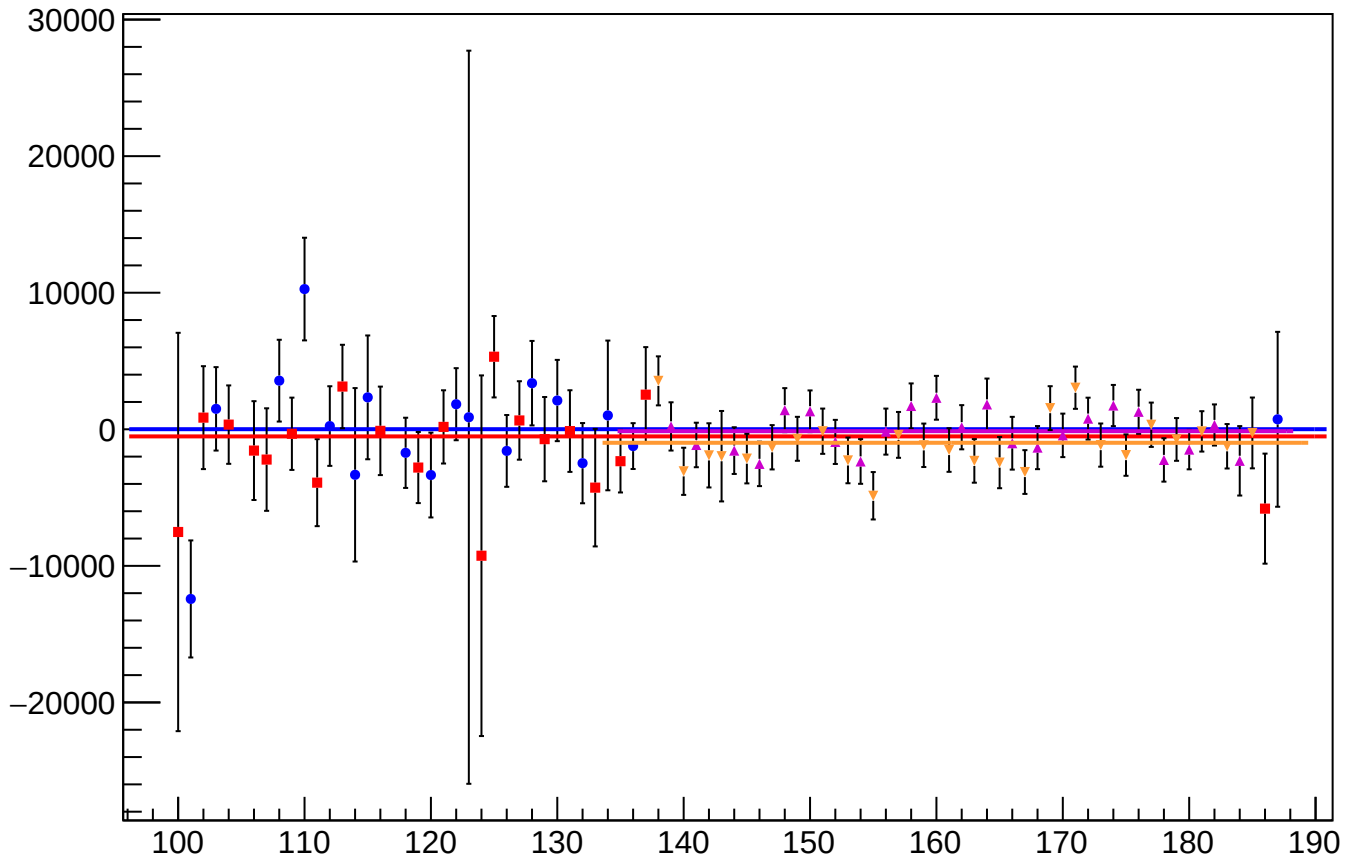
Right: 2192.254+/-2.133 χ^2/NDF : 8.9/1

In: 644.159+/-0.109 χ^2/NDF :475113.3/23

Out: 652.731+/-0.109 χ^2/NDF :1212851.2/25

All: 648.451+/-0.077 χ^2/NDF : 1691067.2/49

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 7.593 ± 740.069 $\chi^2/\text{NDF}: 23.5/17$

Left Out: -987.247 ± 339.757 $\chi^2/\text{NDF}: 28.5/24$

Right Out: -520.548 ± 721.852 $\chi^2/\text{NDF}: 12.5/19$

Left In: -137.780 ± 342.262 $\chi^2/\text{NDF}: 18.8/22$

Left: -565.633 ± 241.125 $\chi^2/\text{NDF}: 50.4/47$

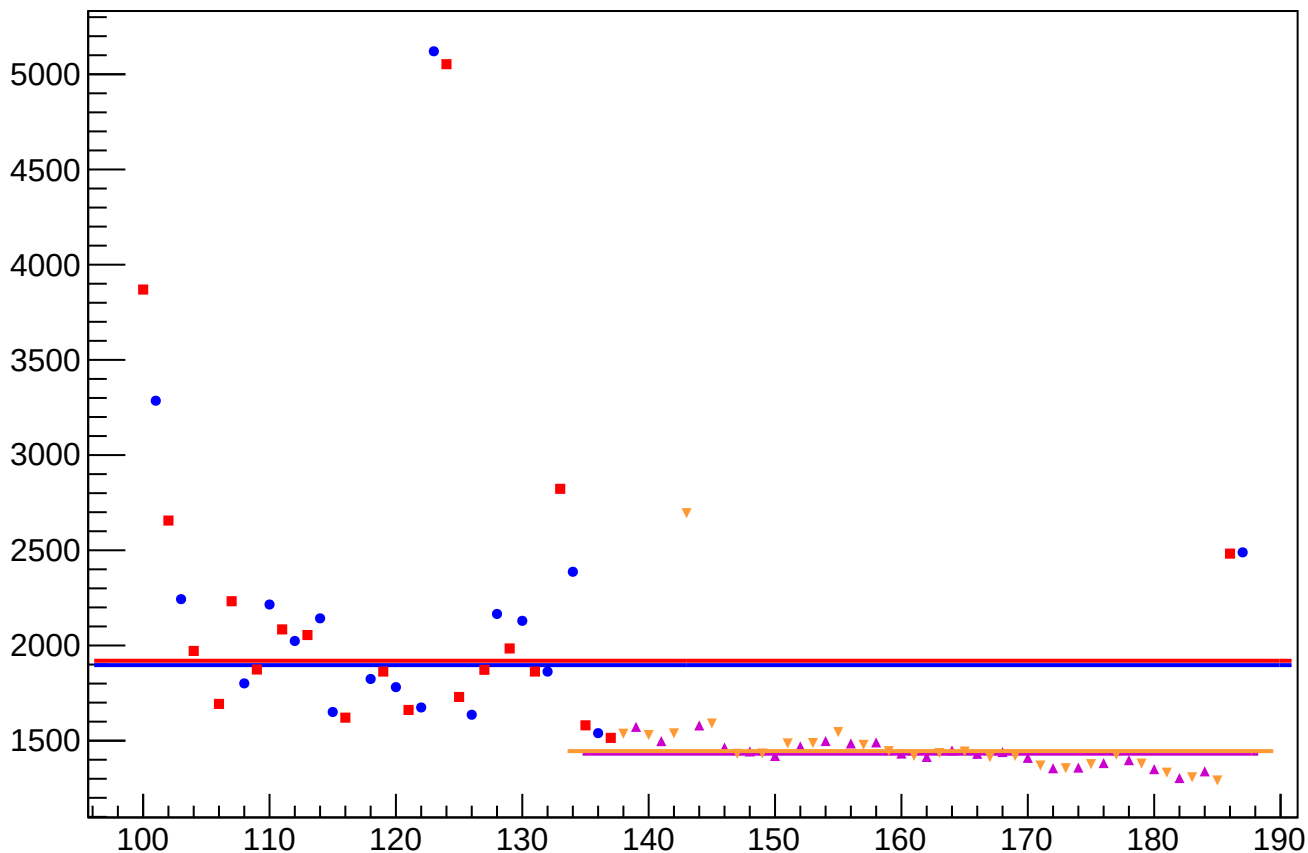
Right: -263.058 ± 516.747 $\chi^2/\text{NDF}: 36.3/37$

In: -112.166 ± 310.649 $\chi^2/\text{NDF}: 42.4/40$

Out: -902.608 ± 307.408 $\chi^2/\text{NDF}: 41.3/44$

All: -511.532 ± 218.507 $\chi^2/\text{NDF}: 87.0/85$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1896.827 $\pm$ 0.523 χ^2 /NDF: 483180.2/17

Left Out: 1445.418 $\pm$ 0.240 χ^2 /NDF: 374859.2/24

Right Out: 1919.901 $\pm$ 0.510 χ^2 /NDF: 501697.6/19

Left In: 1431.663 $\pm$ 0.242 χ^2 /NDF: 77792.5/22

Left: 1438.591 $\pm$ 0.171 χ^2 /NDF: 454278.6/47

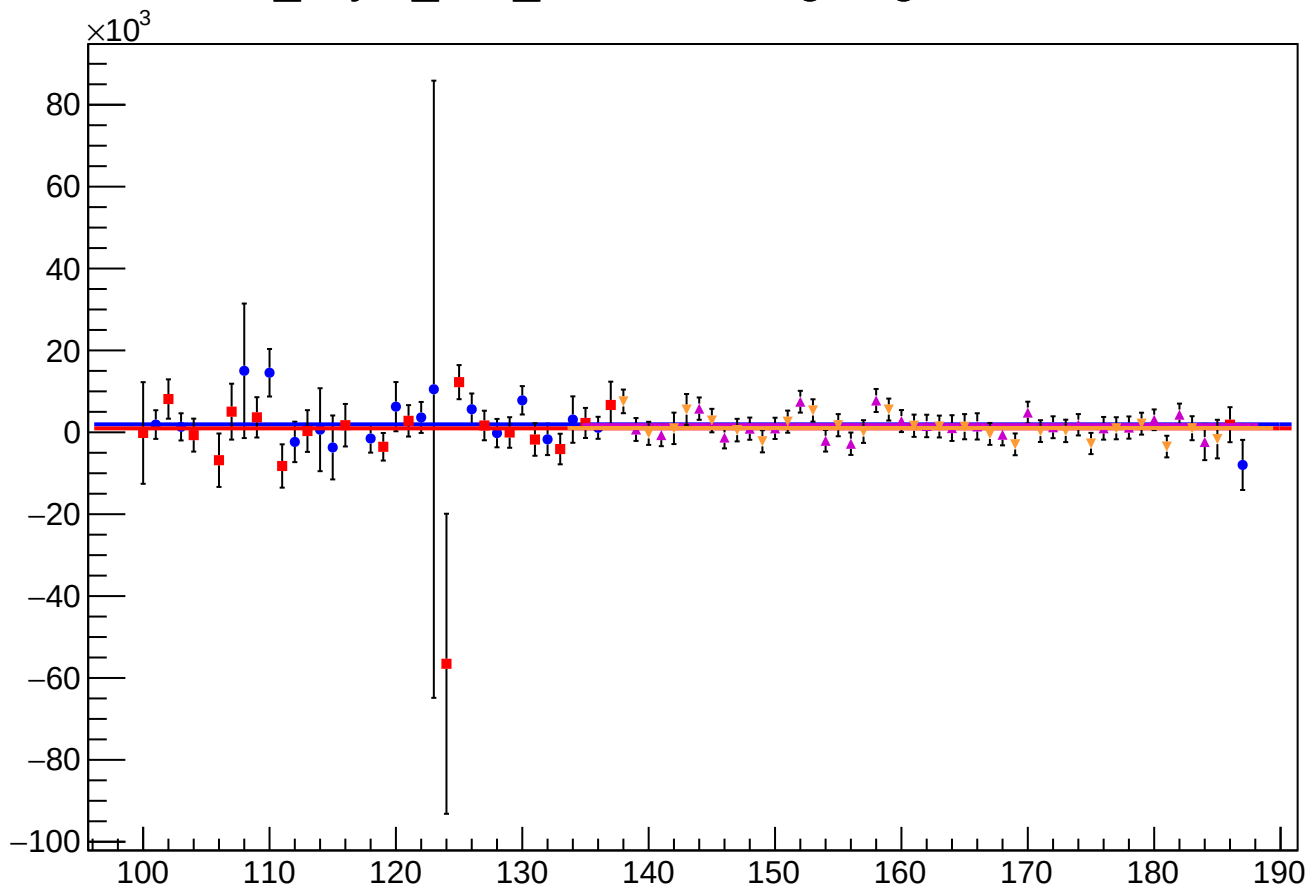
Right: 1908.651 $\pm$ 0.365 χ^2 /NDF: 985874.1/37

In: 1513.624 $\pm$ 0.220 χ^2 /NDF: 1211890.8/40

Out: 1531.470 $\pm$ 0.217 χ^2 /NDF: 1583980.3/44

All: 1522.641 $\pm$ 0.155 χ^2 /NDF: 2799206.2/85

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1941.681 $\pm$ 1024.615 χ^2 /NDF: 16.3/17

Left Out: 1057.276 $\pm$ 566.243 χ^2 /NDF: 22.7/24

Right Out: 961.826 $\pm$ 1016.804 χ^2 /NDF: 22.9/19

Left In: 1762.122 $\pm$ 574.660 χ^2 /NDF: 23.2/22

Left: 1404.499 $\pm$ 403.337 χ^2 /NDF: 46.7/47

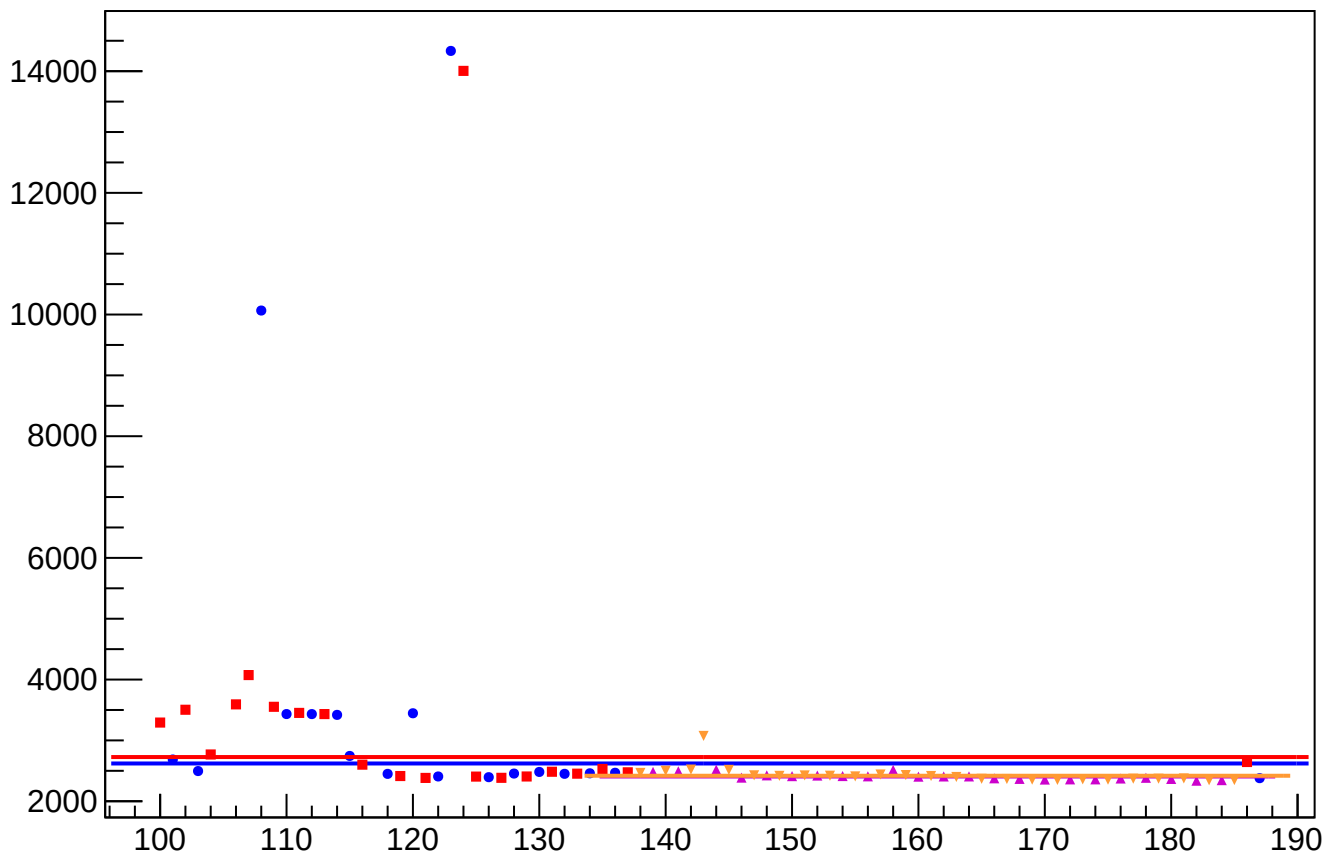
Right: 1448.004 $\pm$ 721.735 χ^2 /NDF: 39.7/37

In: 1805.088 $\pm$ 501.211 χ^2 /NDF: 39.5/40

Out: 1034.682 $\pm$ 494.706 χ^2 /NDF: 45.6/44

All: 1414.853 $\pm$ 352.087 χ^2 /NDF: 86.3/85

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2620.613+/-0.725 χ^2/NDF : 647593.7/17

Left Out: 2418.972+/-0.400 χ^2/NDF : 74779.7/24

Right Out: 2726.373+/-0.719 χ^2/NDF : 598980.5/19

Left In: 2406.443+/-0.406 χ^2/NDF : 15245.2/22

Left: 2412.800+/-0.285 χ^2/NDF : 90507.2/47

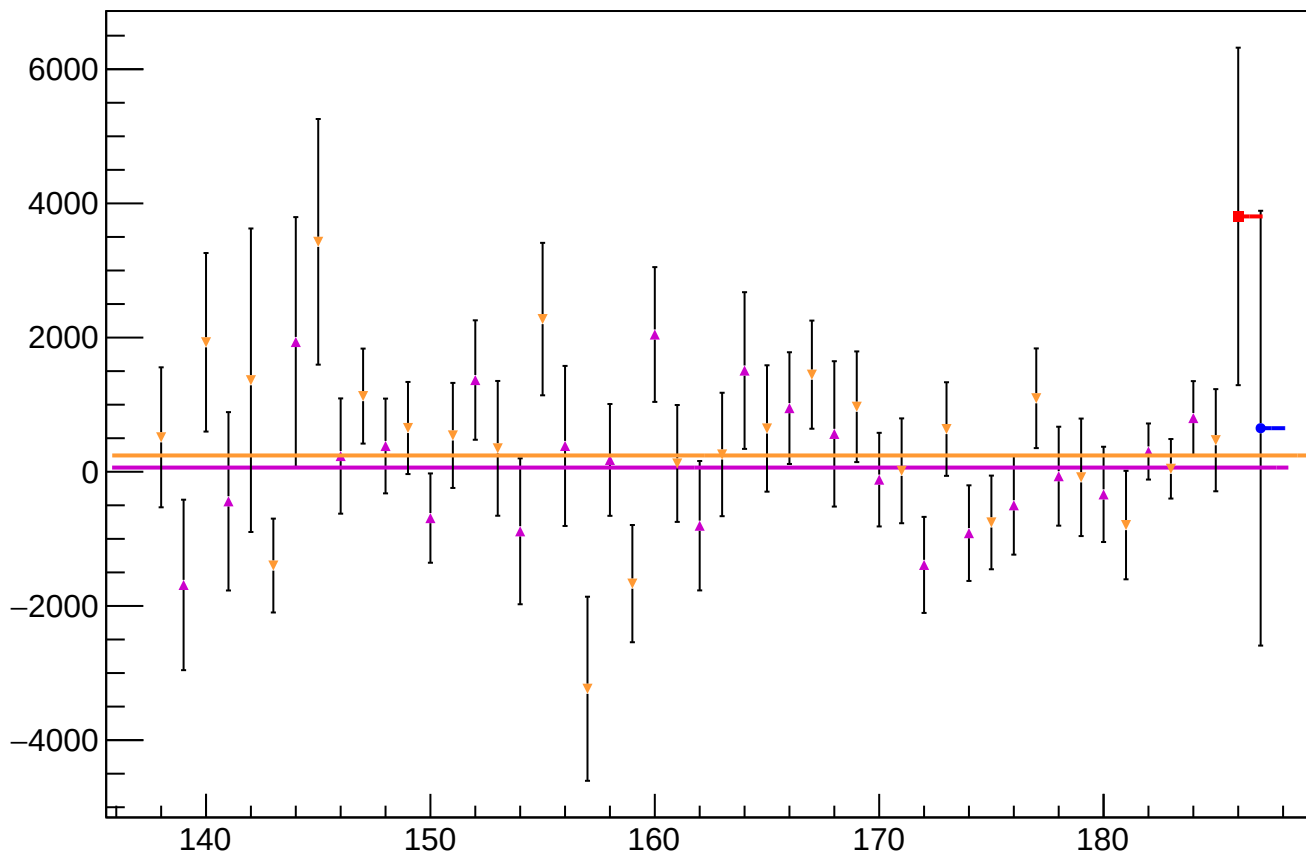
Right: 2673.898+/-0.510 χ^2/NDF : 1257310.0/37

In: 2457.691+/-0.354 χ^2/NDF : 729311.5/40

Out: 2491.738+/-0.350 χ^2/NDF : 813286.0/44

All: 2474.937+/-0.249 χ^2/NDF : 1547272.0/85

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: 649.589+/-3240.468 χ^2/NDF : 0.0/0

Left Out: 243.135+/-163.940 χ^2/NDF :36.0/24

Right Out: 3805.972+/-2515.196 χ^2/NDF : 0.0/0

Left In: 62.569+/-164.169 χ^2/NDF :24.3/22

Left: 152.978+/-116.004 χ^2/NDF : 60.9/47

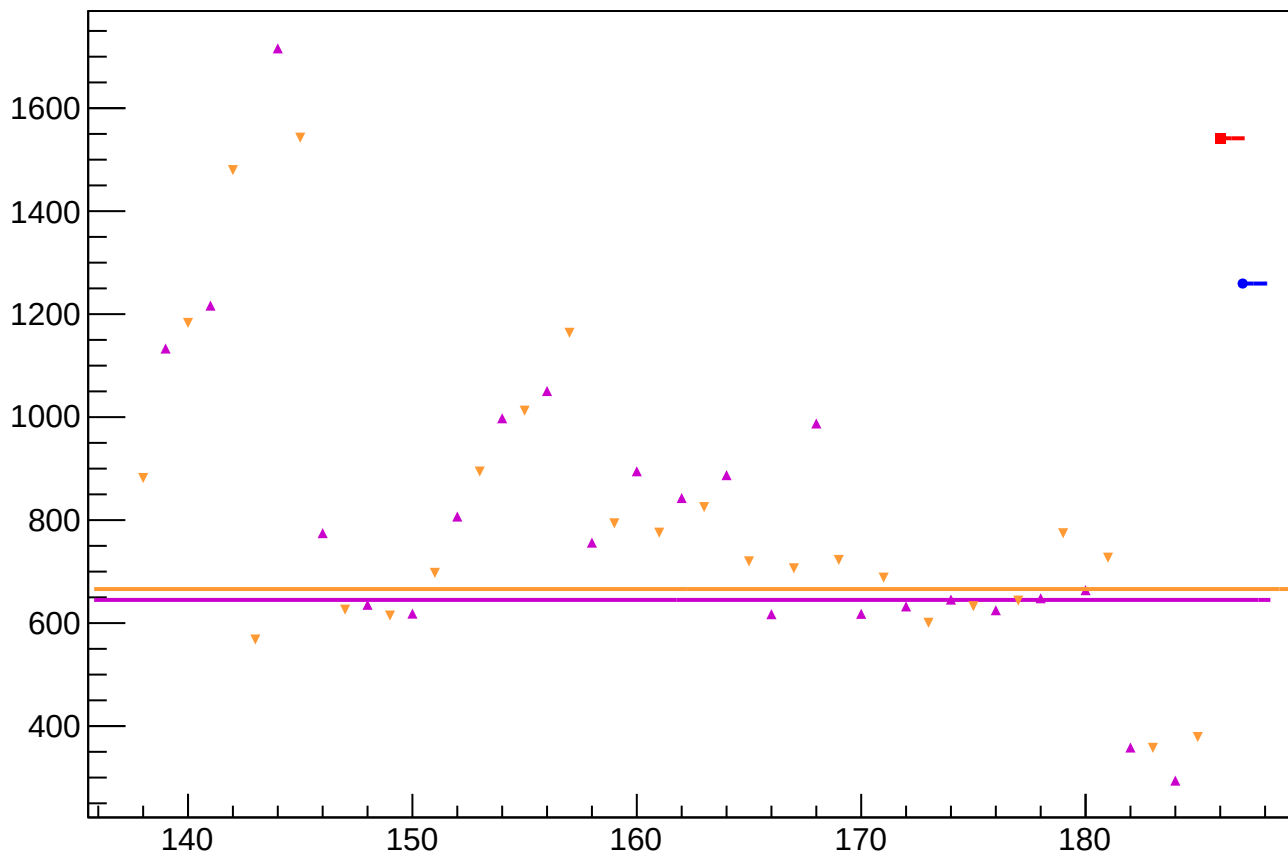
Right: 2619.300+/-1986.910 χ^2/NDF : 0.6/1

In: 64.072+/-163.959 χ^2/NDF :24.3/23

Out: 258.208+/-163.593 χ^2/NDF :38.0/25

All: 161.356+/-115.807 χ^2/NDF : 63.0/49

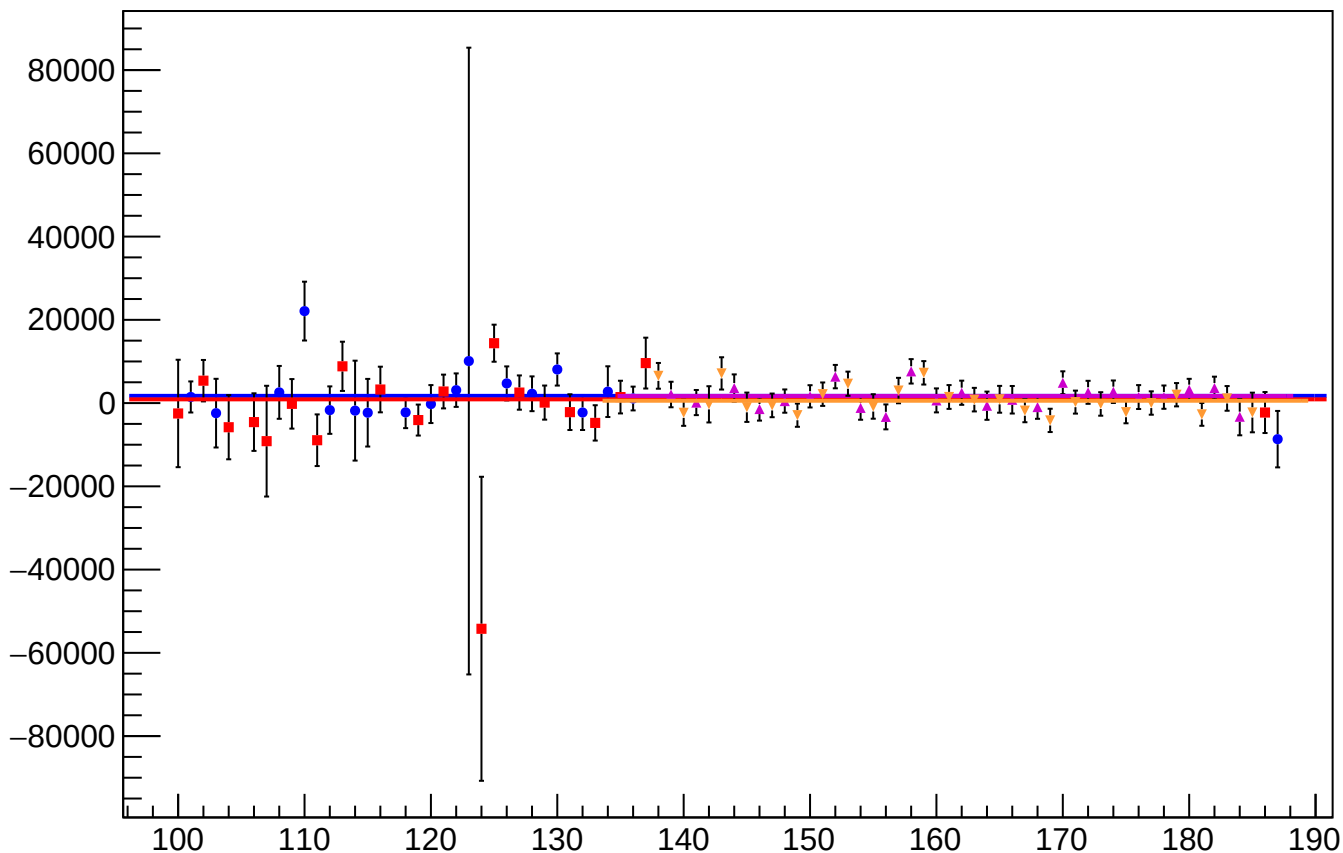
asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 1259.423 $\pm$ 2.291 χ^2/NDF : 0.0/0
 Left Out: 666.133 $\pm$ 0.116 χ^2/NDF :3190574.7/24
 Right Out: 1541.519 $\pm$ 1.779 χ^2/NDF : 0.0/0
 Left In: 645.011 $\pm$ 0.116 χ^2/NDF :4176295.6/22

Left: 655.587 $\pm$ 0.082 χ^2/NDF : 7383446.0/47
 Right: 1435.462 $\pm$ 1.405 χ^2/NDF : 9458.5/1
 In: 646.584 $\pm$ 0.116 χ^2/NDF :4248012.2/23
 Out: 669.836 $\pm$ 0.116 χ^2/NDF :3431811.8/25
 All: 658.236 $\pm$ 0.082 χ^2/NDF : 7699980.4/49

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1737.838+/-1135.169 χ^2/NDF : 17.3/17

Left Out: 566.778+/-598.308 χ^2/NDF : 25.2/24

Right Out: 896.536+/-1153.661 χ^2/NDF : 25.8/19

Left In: 1713.317+/-607.775 χ^2/NDF : 18.1/22

Left: 1131.048+/-426.375 χ^2/NDF : 45.0/47

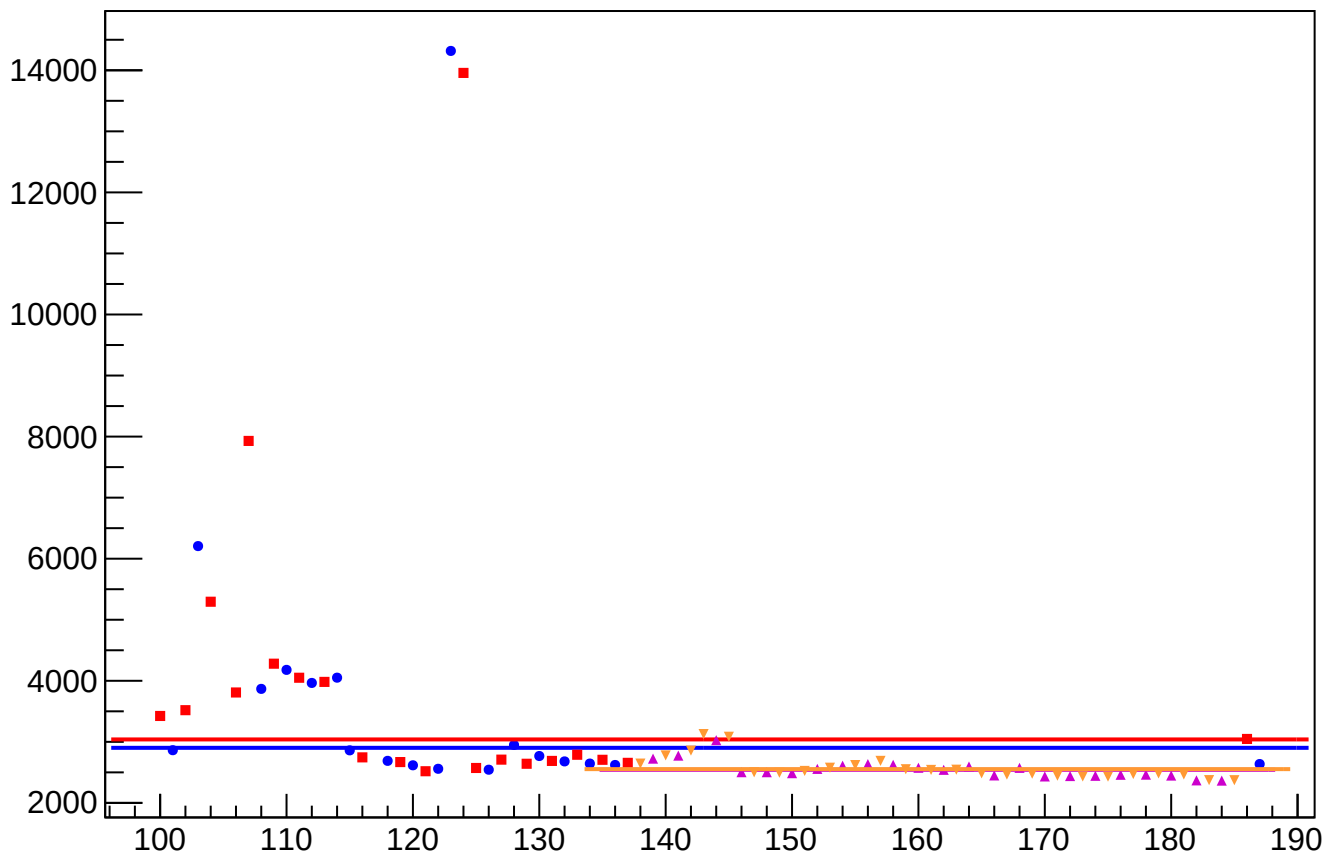
Right: 1323.984+/-809.144 χ^2/NDF : 43.3/37

In: 1718.780+/-535.811 χ^2/NDF : 35.3/40

Out: 636.672+/-531.129 χ^2/NDF : 51.0/44

All: 1172.978+/-377.209 χ^2/NDF : 88.4/85

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2902.076+/-0.803 χ^2/NDF : 645049.9/17

Left Out: 2553.097+/-0.423 χ^2/NDF :148430.5/24

Right Out: 3039.572+/-0.816 χ^2/NDF : 1011311.9/19

Left In: 2541.950+/-0.430 χ^2/NDF :97238.4/22

Left: 2547.611+/-0.301 χ^2/NDF : 246010.6/47

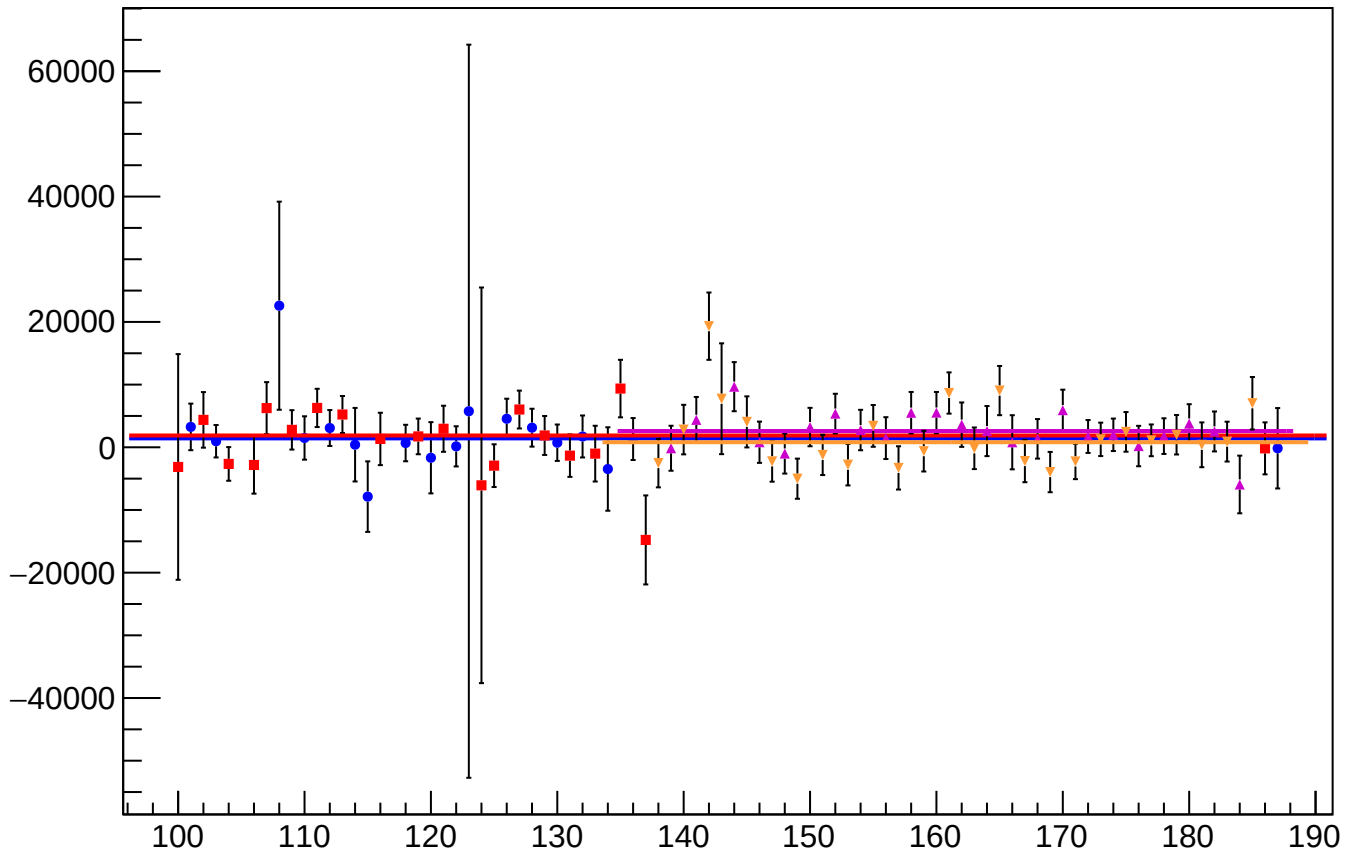
Right: 2969.713+/-0.572 χ^2/NDF : 1670795.8/37

In: 2622.183+/-0.379 χ^2/NDF :898731.1/40

Out: 2656.208+/-0.376 χ^2/NDF :1439992.7/44

All: 2639.345+/-0.267 χ^2/NDF : 2342791.4/85

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1421.698+/-880.590 χ^2/NDF : 7.5/17

Left Out: 807.297+/-677.513 χ^2/NDF : 39.1/24

Right Out: 1882.788+/-833.148 χ^2/NDF : 22.6/19

Left In: 2595.551+/-683.824 χ^2/NDF : 14.0/22

Left: 1693.134+/-481.290 χ^2/NDF : 56.6/47

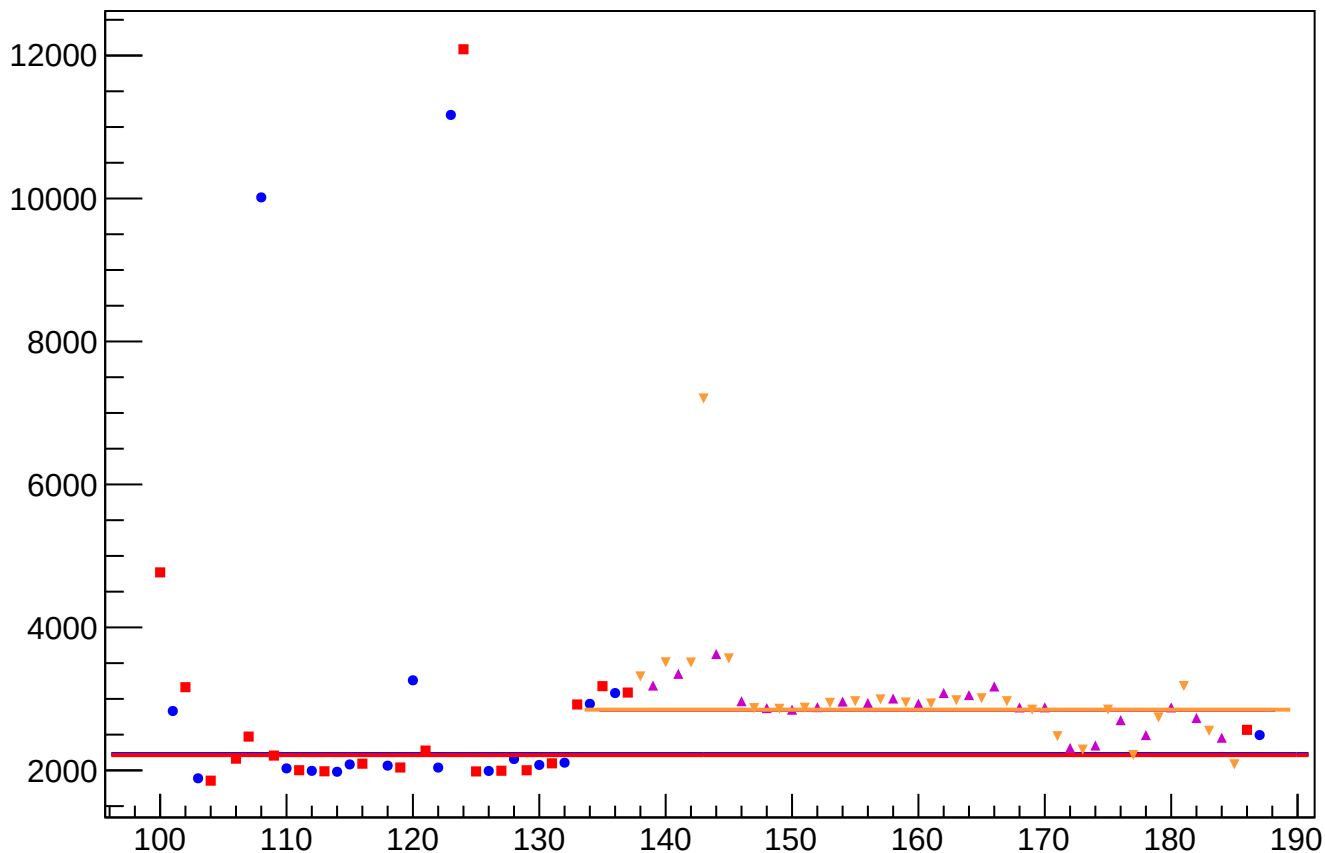
Right: 1664.998+/-605.201 χ^2/NDF : 30.2/37

In: 2153.968+/-540.099 χ^2/NDF : 22.6/40

Out: 1235.405+/-525.648 χ^2/NDF : 62.8/44

All: 1682.234+/-376.695 χ^2/NDF : 86.8/85

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2228.236 $\pm$ 0.623 χ^2 /NDF: 853787.3/17

Left Out: 2849.256 $\pm$ 0.479 χ^2 /NDF:1034478.3/24

Right Out: 2213.598 $\pm$ 0.589 χ^2 /NDF: 617541.4/19

Left In: 2844.779 $\pm$ 0.484 χ^2 /NDF:383776.8/22

Left: 2847.038 $\pm$ 0.340 χ^2 /NDF: 1418298.4/47

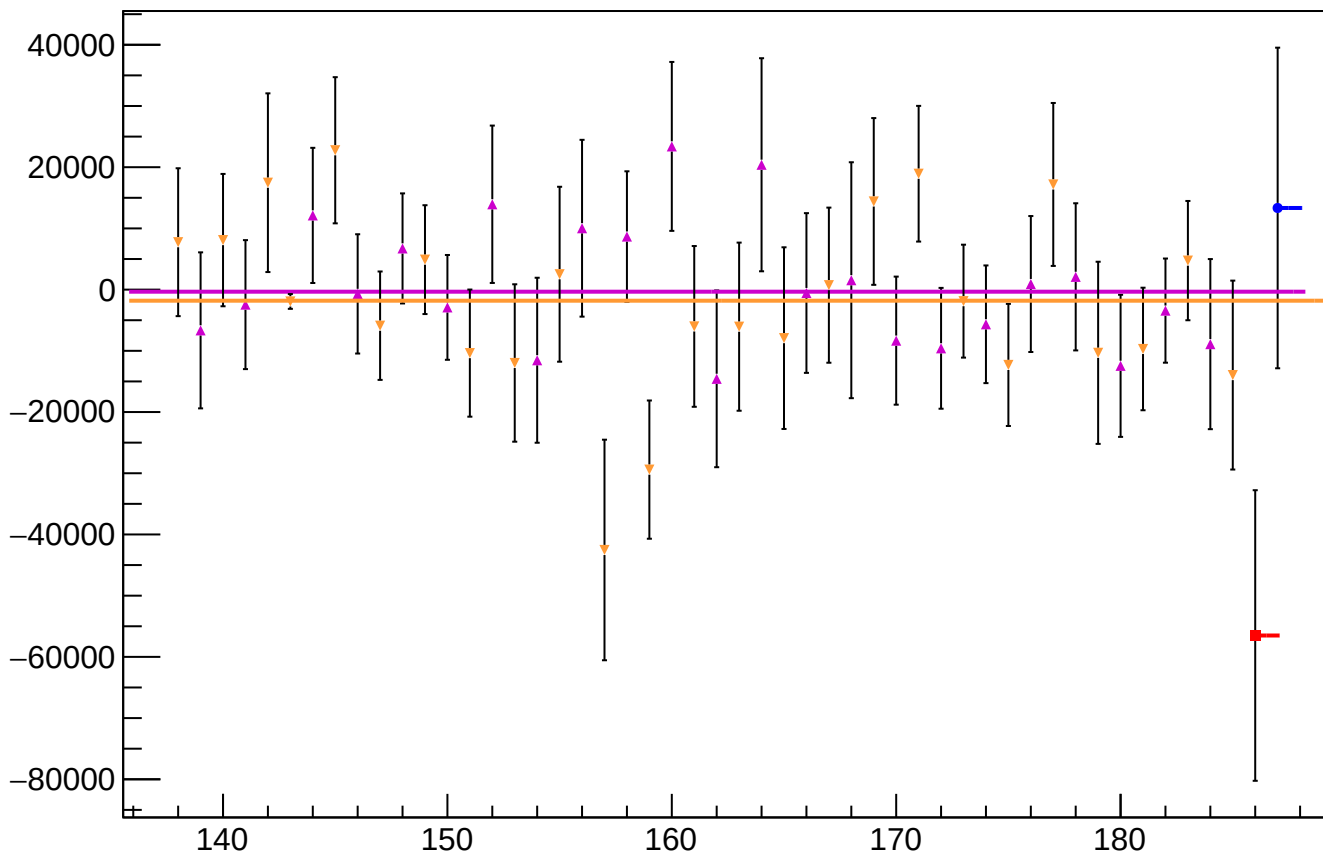
Right: 2220.507 $\pm$ 0.428 χ^2 /NDF: 1471620.6/37

In: 2612.846 $\pm$ 0.382 χ^2 /NDF:1849162.9/40

Out: 2596.015 $\pm$ 0.372 χ^2 /NDF:2353396.4/44

All: 2604.200 $\pm$ 0.266 χ^2 /NDF: 4203556.9/85

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: 13338.612 $\pm$ 26189.529 χ^2 /NDF: 0.0/0

Left Out: -1810.593 $\pm$ 1078.173 χ^2 /NDF:31.2/24

Right Out: -56508.501 $\pm$ 23737.199 χ^2 /NDF: 0.0/0

Left In: -339.260 $\pm$ 2365.986 χ^2 /NDF:14.2/22

Left: -1557.594 $\pm$ 981.106 χ^2 /NDF: 45.7/47

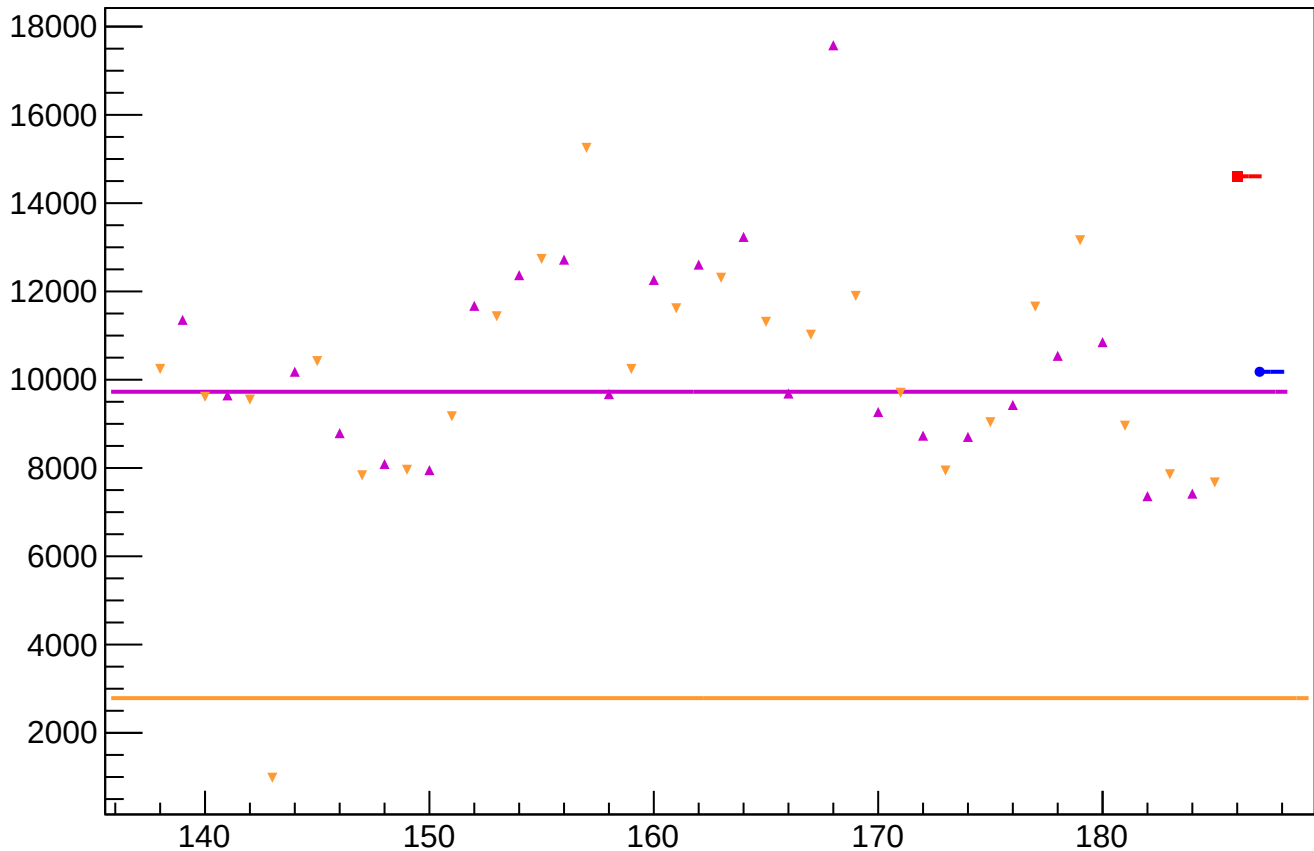
Right: -25007.479 $\pm$ 17587.973 χ^2 /NDF: 3.9/1

In: -228.532 $\pm$ 2356.390 χ^2 /NDF:14.5/23

Out: -1923.208 $\pm$ 1077.062 χ^2 /NDF:36.5/25

All: -1630.337 $\pm$ 979.583 χ^2 /NDF: 51.4/49

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 10179.793+/-18.519 χ^2/NDF : 0.0/0

Left Out: 2786.461+/-0.762 χ^2/NDF :22863045.3/24

Right Out: 14608.289+/-16.785 χ^2/NDF : 0.0/0

Left In: 9727.255+/-1.673 χ^2/NDF :1261406.7/22

Left: 3979.946+/-0.694 χ^2/NDF : 38376569.5/47

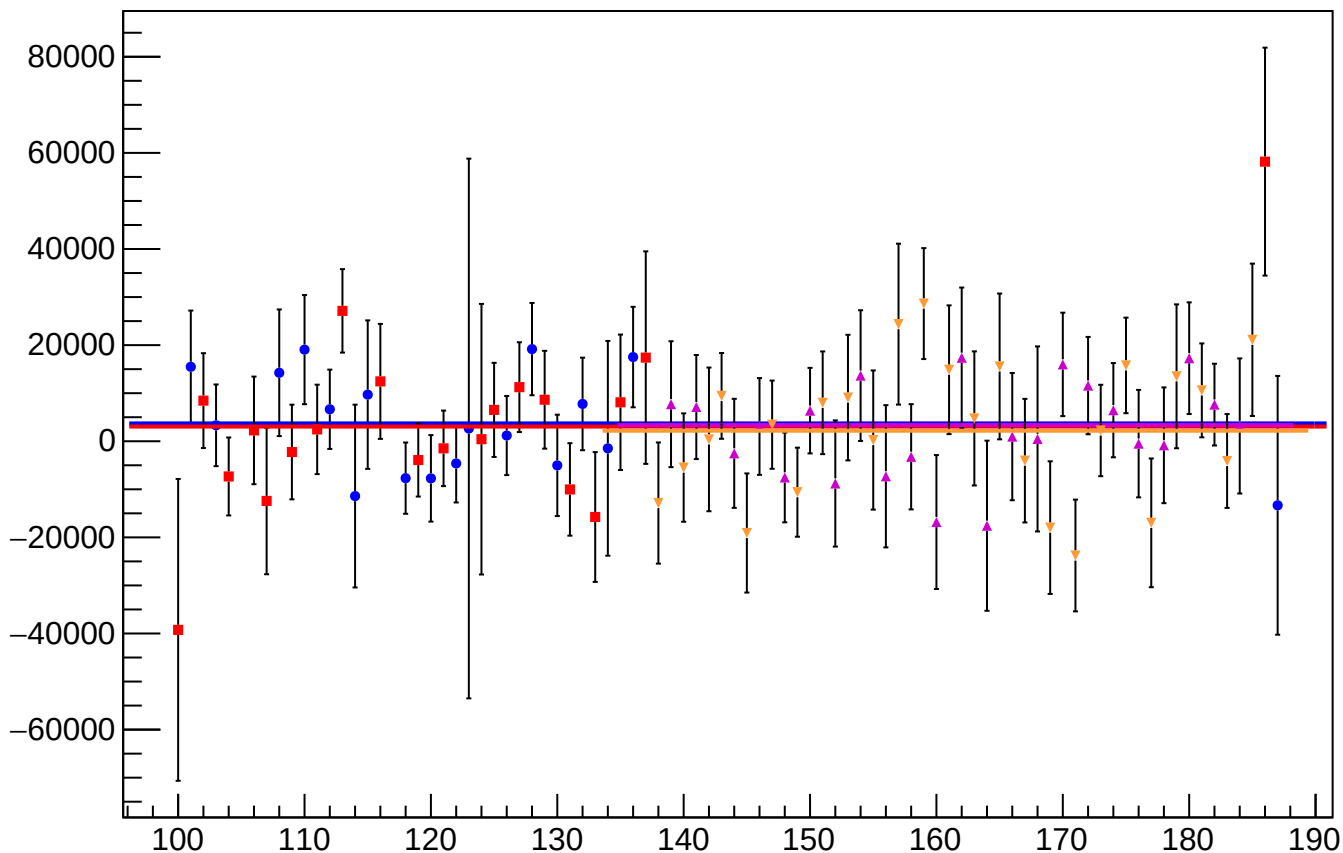
Right: 12611.039+/-12.437 χ^2/NDF : 31395.0/1

In: 9730.919+/-1.666 χ^2/NDF :1261999.0/23

Out: 2810.800+/-0.762 χ^2/NDF :23358091.0/25

All: 4006.720+/-0.693 χ^2/NDF : 38888118.6/4

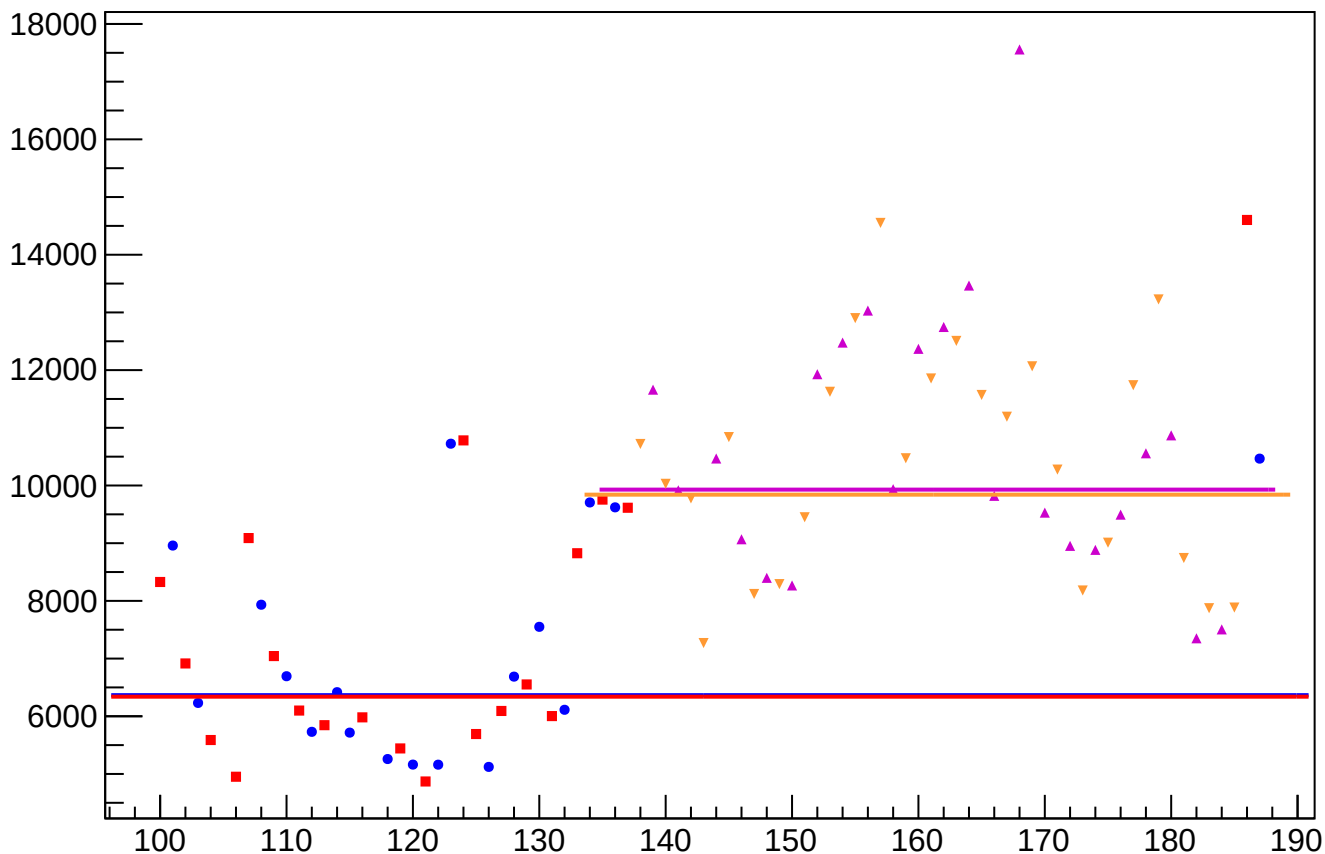
asym_atl2_mean vs Slug, Sign Corrected



Right In: 3711.928+/-2497.962 χ^2/NDF : 15.2/17
Left Out: 2192.629+/-2346.604 χ^2/NDF : 31.2/24
Right Out: 3057.627+/-2408.785 χ^2/NDF : 25.5/19
Left In: 3362.489+/-2413.842 χ^2/NDF : 12.8/22

Left: 2761.039+/-1682.568 χ^2/NDF : 44.1/47
Right: 3372.890+/-1733.938 χ^2/NDF : 40.7/37
In: 3531.226+/-1735.821 χ^2/NDF : 28.0/40
Out: 2613.820+/-1680.853 χ^2/NDF : 56.7/44
All: 3057.767+/-1207.508 χ^2/NDF : 84.9/85

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6365.887+/-1.766 χ^2/NDF : 640173.3/17

Left Out: 9841.227+/-1.659 χ^2/NDF : 1184767.7/24

Right Out: 6339.474+/-1.703 χ^2/NDF : 780742.5/19

Left In: 9928.662+/-1.707 χ^2/NDF : 1220804.9/22

Left: 9883.710+/-1.190 χ^2/NDF : 2406921.7/47

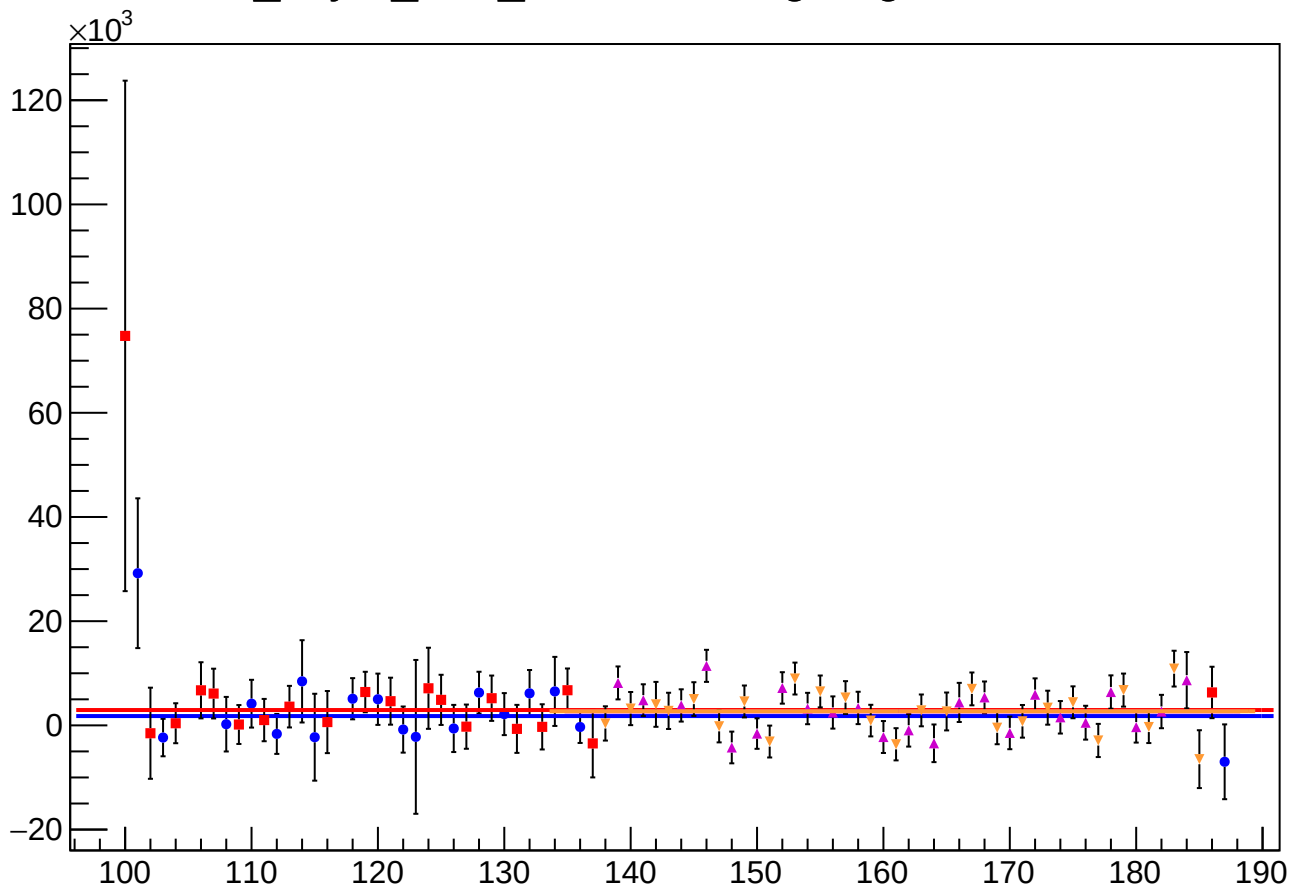
Right: 6352.200+/-1.226 χ^2/NDF : 1421031.7/37

In: 8208.265+/-1.227 χ^2/NDF : 3964899.0/40

Out: 8136.051+/-1.189 χ^2/NDF : 4134236.7/44

All: 8170.996+/-0.854 χ^2/NDF : 8100922.2/85

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1786.358 $\pm$ 1120.347 χ^2 /NDF: 13.6/17

Left Out: 2712.564 $\pm$ 648.832 χ^2 /NDF:34.7/24

Right Out: 2944.343 $\pm$ 1060.783 χ^2 /NDF: 10.4/19

Left In: 2697.794 $\pm$ 662.544 χ^2 /NDF:36.1/22

Left: 2705.333 $\pm$ 463.565 χ^2 /NDF: 70.8/47

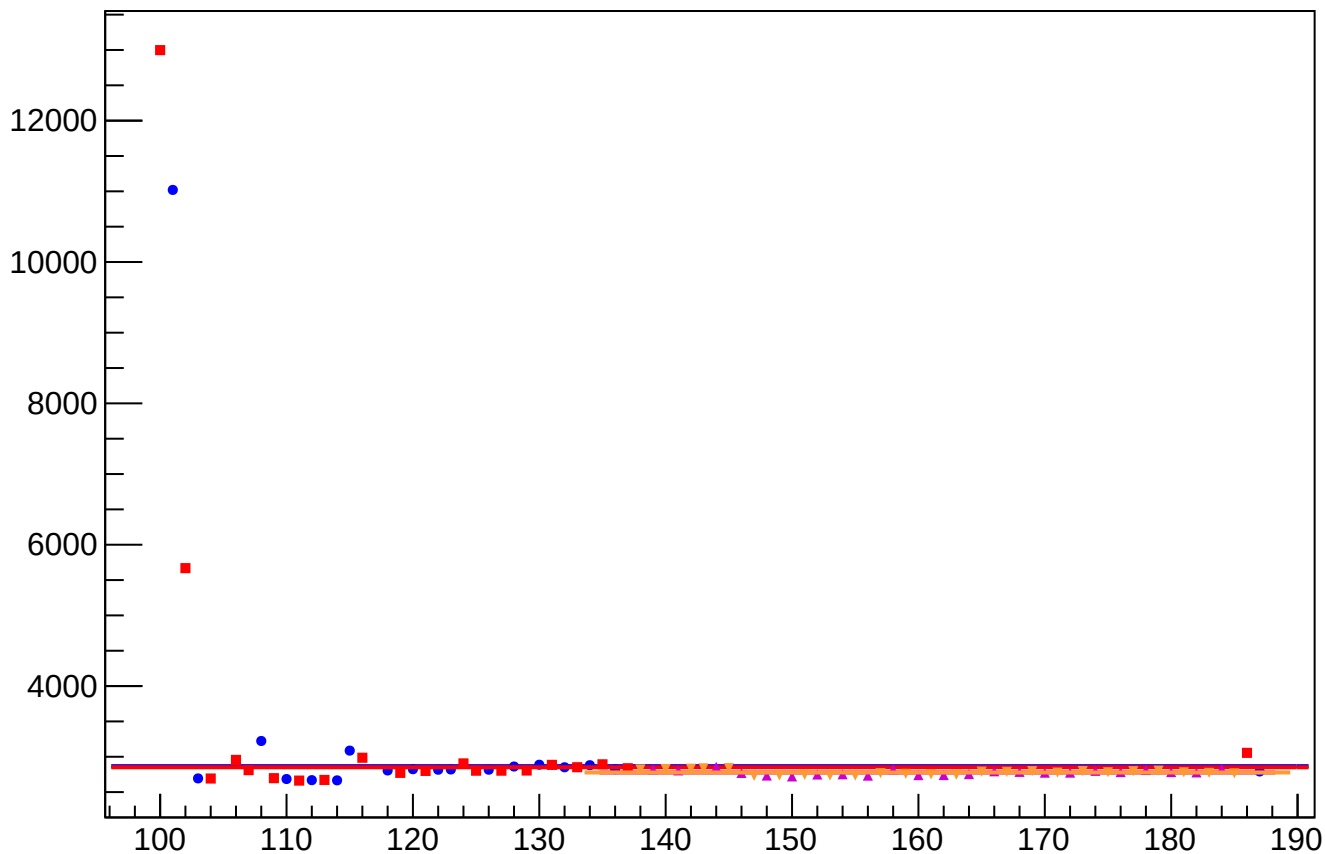
Right: 2396.950 $\pm$ 770.284 χ^2 /NDF: 24.5/37

In: 2461.634 $\pm$ 570.286 χ^2 /NDF:50.1/40

Out: 2775.668 $\pm$ 553.503 χ^2 /NDF:45.1/44

All: 2623.340 $\pm$ 397.186 χ^2 /NDF: 95.4/85

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2867.316+/-0.792 χ^2/NDF : 670126.3/17

Left Out: 2777.450+/-0.459 χ^2/NDF : 5253.1/24

Right Out: 2851.429+/-0.750 χ^2/NDF : 316097.2/19

Left In: 2777.355+/-0.468 χ^2/NDF : 5488.7/22

Left: 2777.404+/-0.328 χ^2/NDF : 10741.8/47

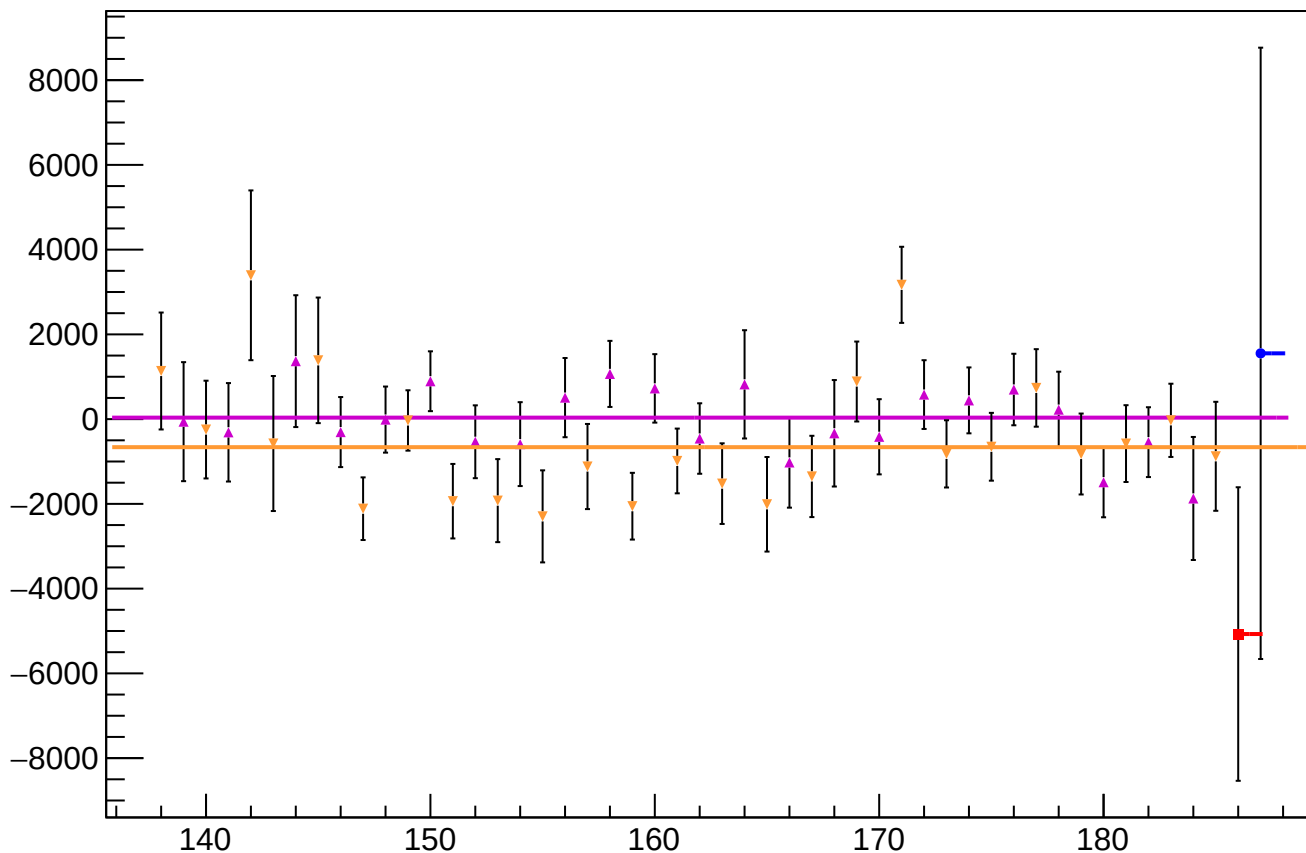
Right: 2858.939+/-0.545 χ^2/NDF : 986435.6/37

In: 2800.665+/-0.403 χ^2/NDF : 685169.2/40

Out: 2797.592+/-0.391 χ^2/NDF : 328429.2/44

All: 2799.082+/-0.281 χ^2/NDF : 1013628.3/85

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 1552.615 $\pm$ 7213.588 χ^2 /NDF: 0.0/0

Left Out: -661.759 $\pm$ 190.222 χ^2 /NDF:48.7/24

Right Out: -5071.487 $\pm$ 3463.706 χ^2 /NDF: 0.0/0

Left In: 35.366 $\pm$ 190.553 χ^2 /NDF:15.1/22

Left: -313.803 $\pm$ 134.624 χ^2 /NDF: 70.5/47

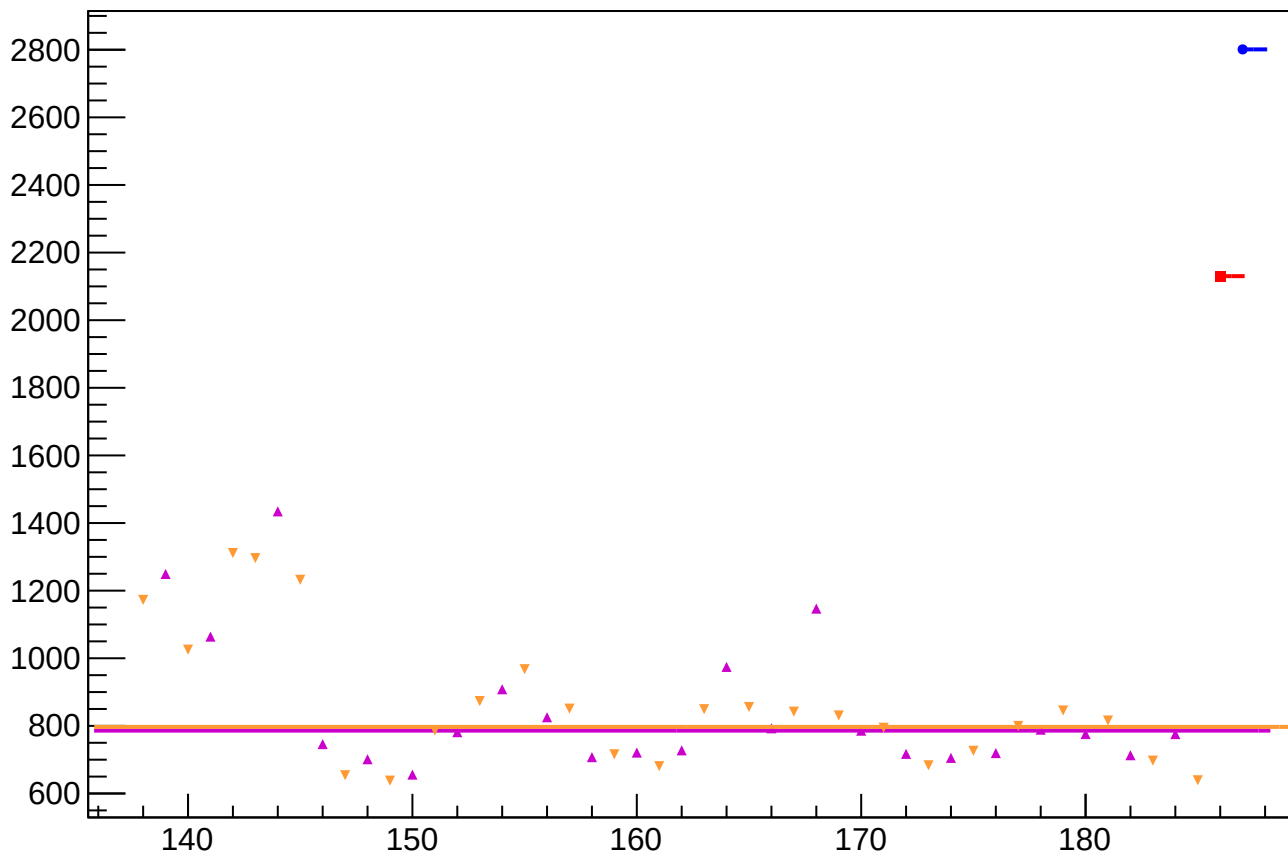
Right: -3830.393 $\pm$ 3122.411 χ^2 /NDF: 0.7/1

In: 36.424 $\pm$ 190.487 χ^2 /NDF:15.1/23

Out: -675.019 $\pm$ 189.936 χ^2 /NDF:50.3/25

All: -320.328 $\pm$ 134.499 χ^2 /NDF: 72.5/49

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 2801.017+/-5.101 χ^2/NDF : 0.0/0

Left Out: 796.994+/-0.135 χ^2/NDF :1174879.0/24

Right Out: 2130.275+/-2.449 χ^2/NDF : 0.0/0

Left In: 785.928+/-0.135 χ^2/NDF :1126027.7/22

Left: 791.470+/-0.095 χ^2/NDF : 2304284.9/47

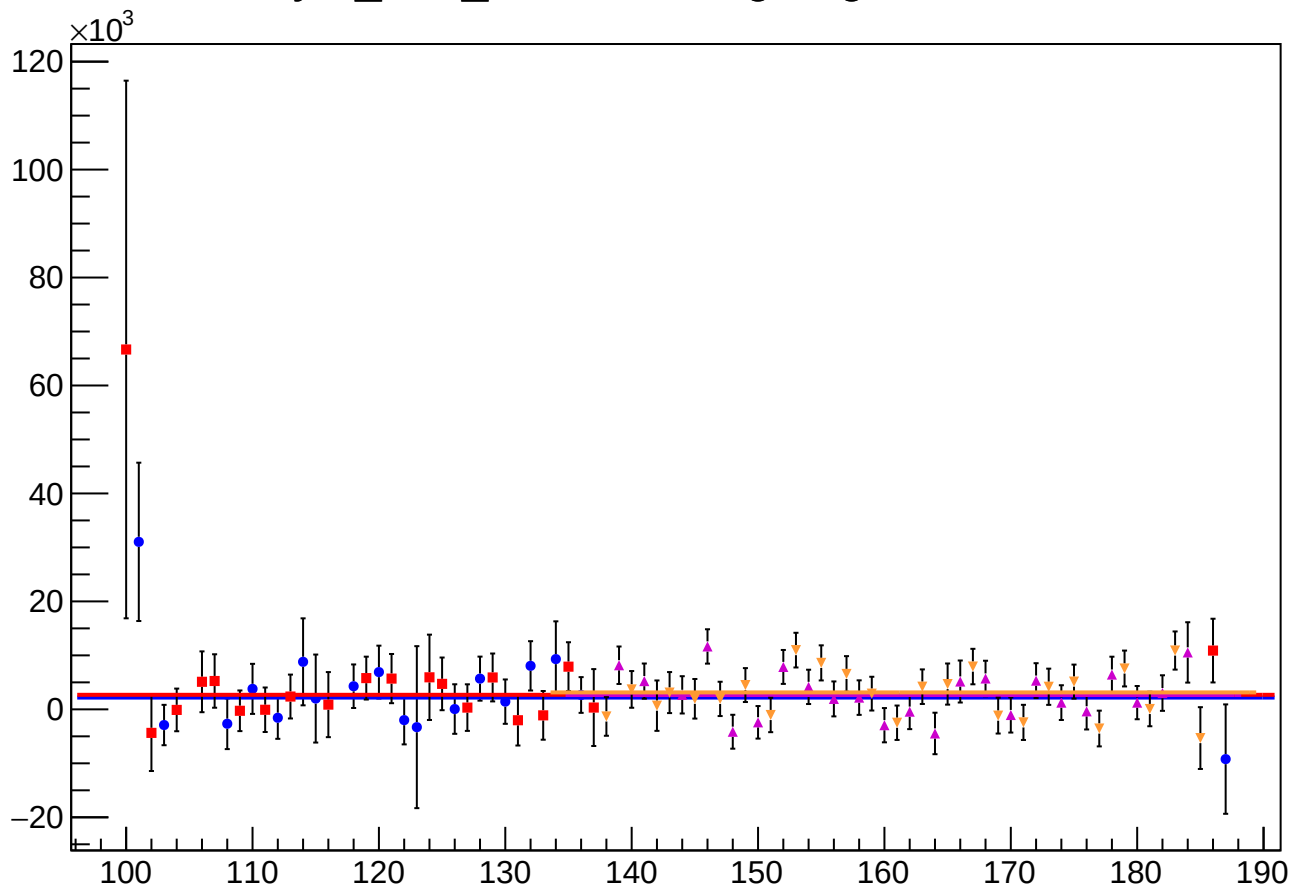
Right: 2255.945+/-2.208 χ^2/NDF : 14051.9/1

In: 787.333+/-0.135 χ^2/NDF :1281987.6/23

Out: 801.003+/-0.134 χ^2/NDF :1470328.7/25

All: 794.188+/-0.095 χ^2/NDF : 2757481.0/49

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2181.677+/-1149.096 χ^2/NDF : 15.7/17

Left Out: 3139.358+/-680.222 χ^2/NDF : 38.3/24

Right Out: 2693.677+/-1090.958 χ^2/NDF : 12.1/19

Left In: 2659.828+/-693.121 χ^2/NDF : 36.9/22

Left: 2904.096+/-485.486 χ^2/NDF : 75.4/47

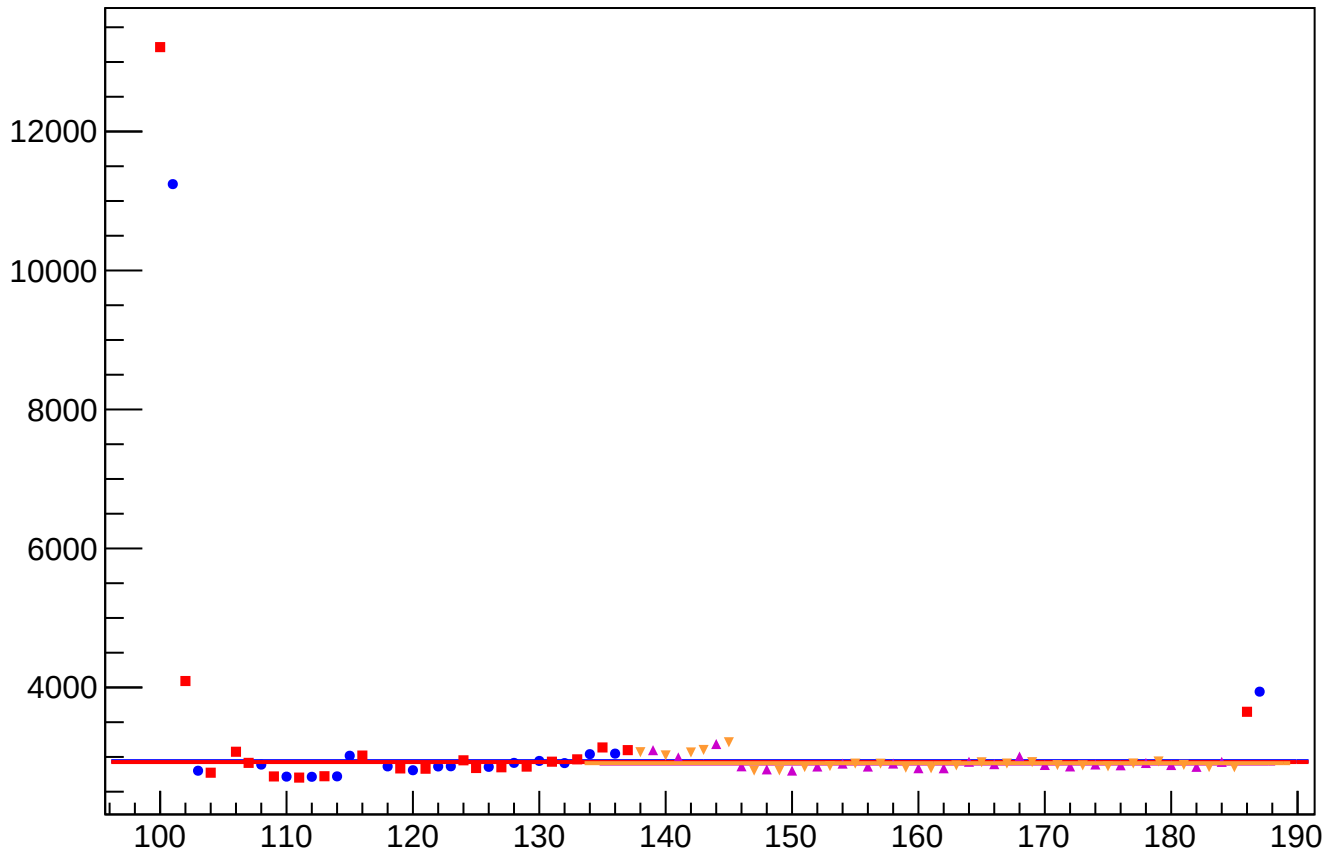
Right: 2450.957+/-791.179 χ^2/NDF : 27.8/37

In: 2532.269+/-593.510 χ^2/NDF : 52.7/40

Out: 3014.596+/-577.213 χ^2/NDF : 50.4/44

All: 2780.145+/-413.793 χ^2/NDF : 103.5/85

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2939.633+/-0.813 χ^2/NDF : 682515.9/17

Left Out: 2910.362+/-0.481 χ^2/NDF : 36080.5/24

Right Out: 2926.428+/-0.771 χ^2/NDF : 200989.5/19

Left In: 2904.499+/-0.490 χ^2/NDF : 30423.1/22

Left: 2907.485+/-0.343 χ^2/NDF : 66576.4/47

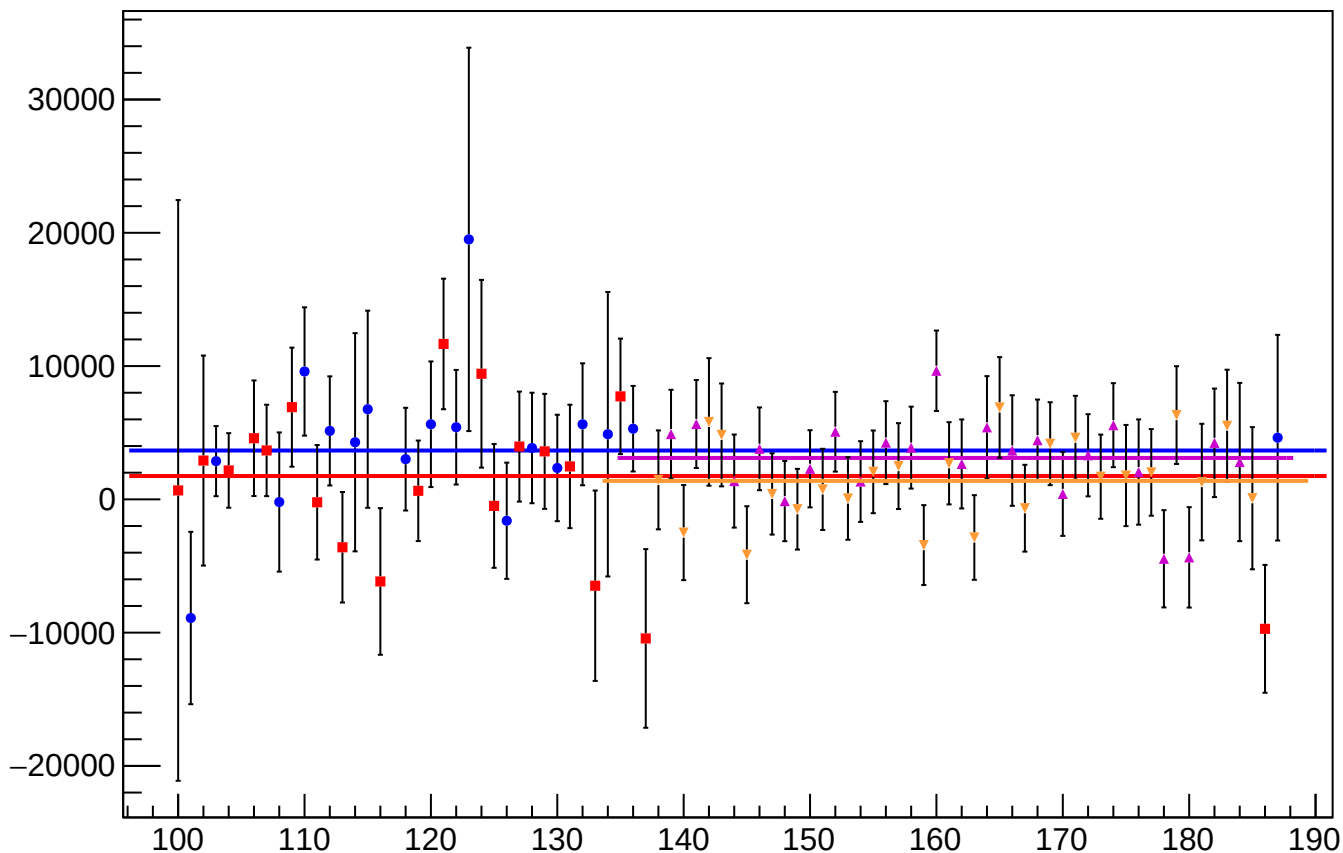
Right: 2932.688+/-0.559 χ^2/NDF : 883644.3/37

In: 2913.872+/-0.420 χ^2/NDF : 714309.9/40

Out: 2914.859+/-0.408 χ^2/NDF : 237382.3/44

All: 2914.379+/-0.293 χ^2/NDF : 951695.0/85

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3664.509 $\pm$ 1080.727 χ^2 /NDF: 9.9/17

Left Out: 1386.275 $\pm$ 684.647 χ^2 /NDF:18.0/24

Right Out: 1750.028 $\pm$ 1022.802 χ^2 /NDF: 24.4/19

Left In: 3106.878 $\pm$ 695.685 χ^2 /NDF:18.4/22

Left: 2232.819 $\pm$ 487.974 χ^2 /NDF: 39.5/47

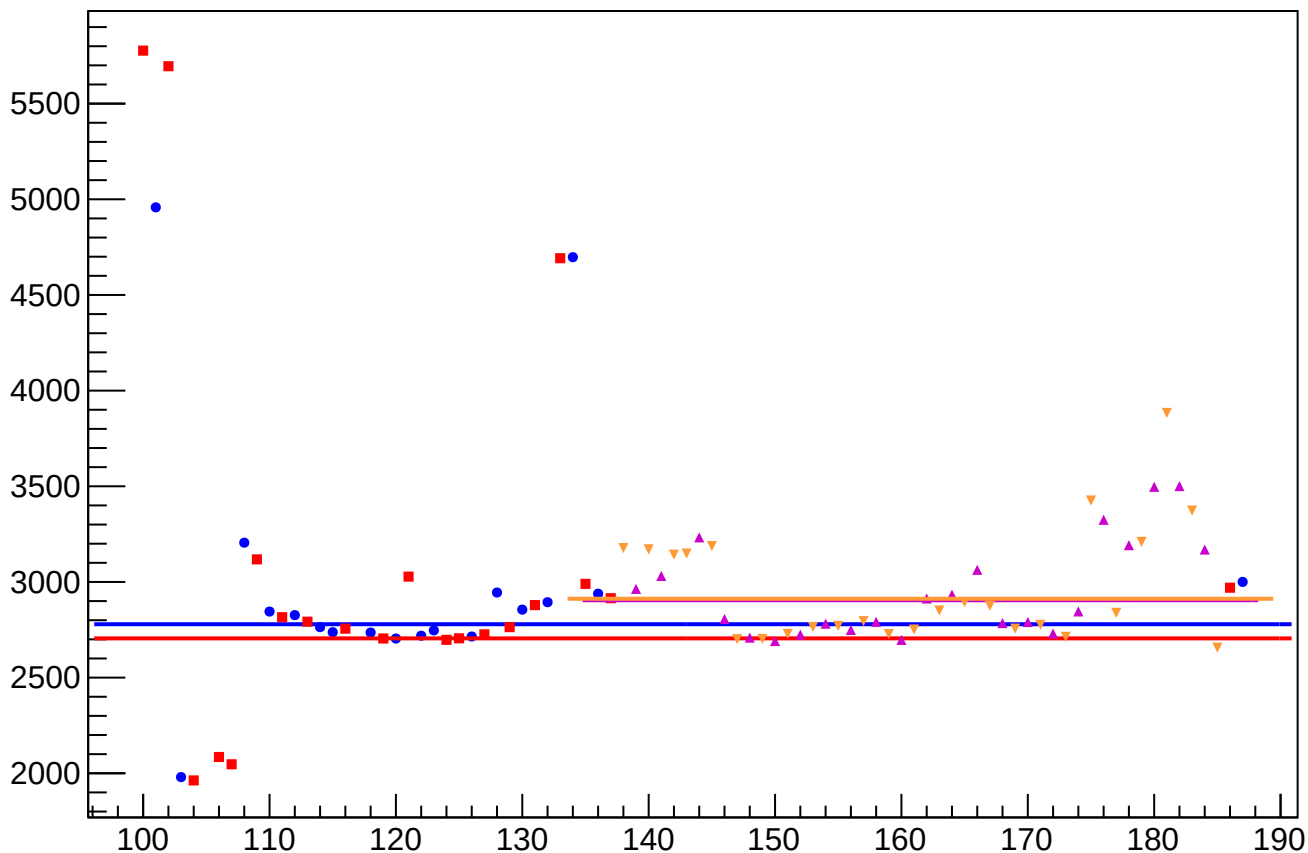
Right: 2654.589 $\pm$ 742.864 χ^2 /NDF: 35.9/37

In: 3270.249 $\pm$ 584.966 χ^2 /NDF:28.5/40

Out: 1498.830 $\pm$ 568.946 χ^2 /NDF:42.5/44

All: 2359.953 $\pm$ 407.852 χ^2 /NDF: 75.6/85

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2779.044+/-0.764 χ^2/NDF : 503356.9/17

Left Out: 2912.211+/-0.484 χ^2/NDF : 290908.5/24

Right Out: 2705.106+/-0.723 χ^2/NDF : 786648.0/19

Left In: 2904.472+/-0.492 χ^2/NDF : 217578.9/22

Left: 2908.403+/-0.345 χ^2/NDF : 508613.1/47

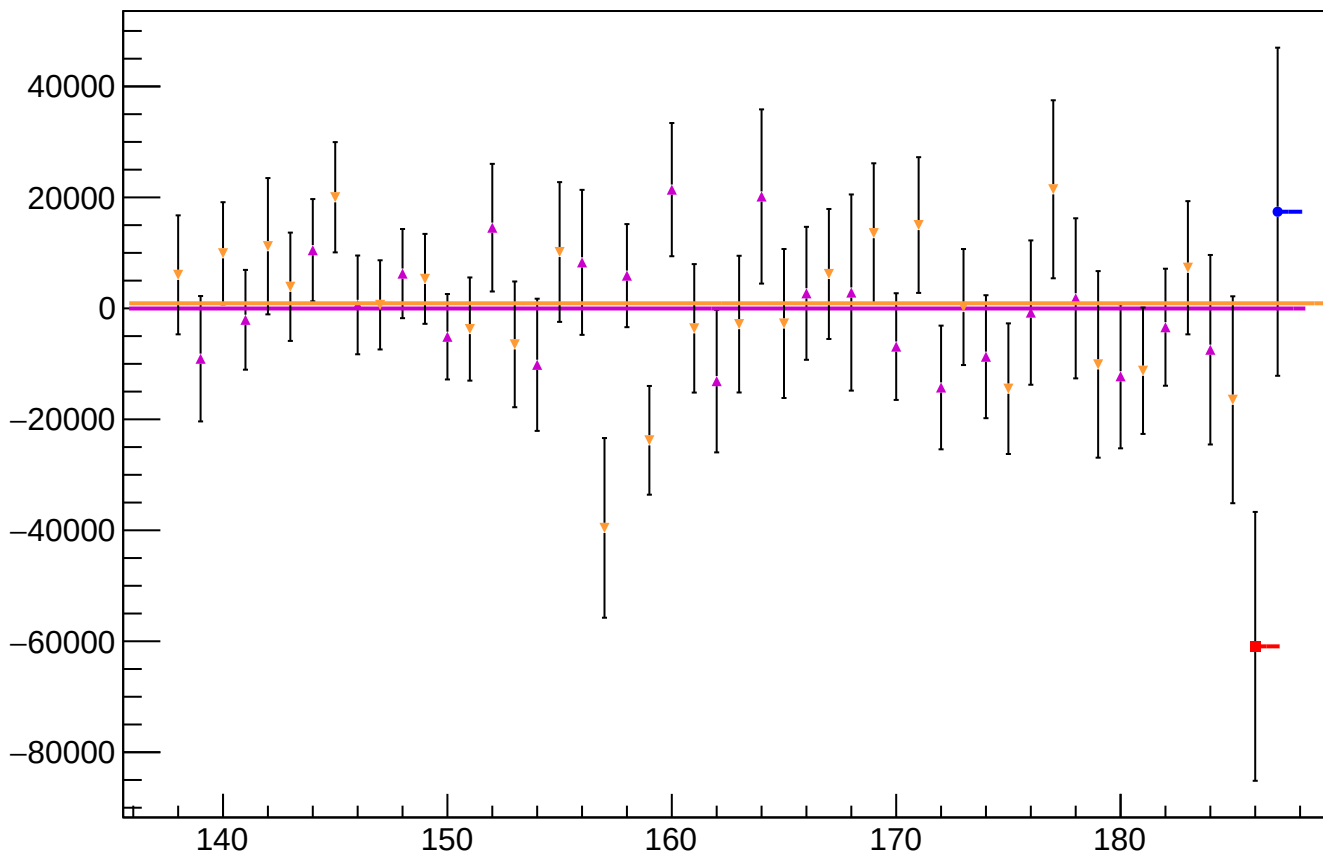
Right: 2740.029+/-0.525 χ^2/NDF : 1294944.4/37

In: 2867.725+/-0.414 χ^2/NDF : 739982.6/40

Out: 2848.099+/-0.402 χ^2/NDF : 1134209.1/44

All: 2857.639+/-0.288 χ^2/NDF : 1875348.6/85

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: 17416.307 $\pm$ 29570.292 χ^2 /NDF: 0.0/0

Left Out: 916.096 $\pm$ 2238.762 χ^2 /NDF:28.7/24

Right Out: -60917.734 $\pm$ 24230.689 χ^2 /NDF: 0.0/0

Left In: -25.729 $\pm$ 2280.428 χ^2 /NDF:16.1/22

Left: 453.866 $\pm$ 1597.571 χ^2 /NDF: 44.9/47

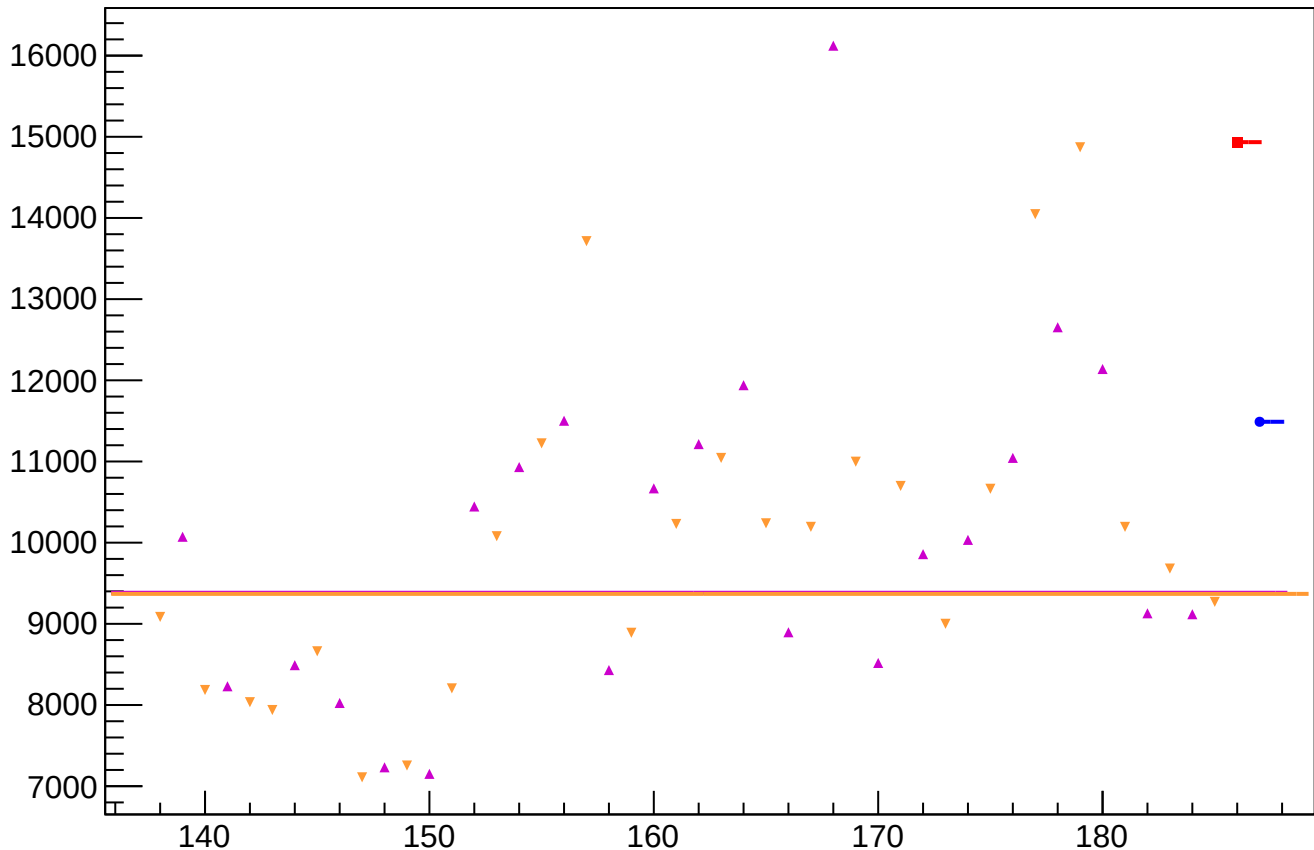
Right: -29449.325 $\pm$ 18742.078 χ^2 /NDF: 4.2/1

In: 77.391 $\pm$ 2273.677 χ^2 /NDF:16.4/23

Out: 392.714 $\pm$ 2229.267 χ^2 /NDF:35.2/25

All: 238.162 $\pm$ 1591.799 χ^2 /NDF: 51.6/49

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 11489.144+/-20.909 χ^2/NDF : 0.0/0

Left Out: 9369.034+/-1.583 χ^2/NDF :1183012.4/24

Right Out: 14934.067+/-17.134 χ^2/NDF : 0.0/0

Left In: 9382.727+/-1.613 χ^2/NDF :1205648.8/22

Left: 9375.755+/-1.130 χ^2/NDF : 2388697.9/47

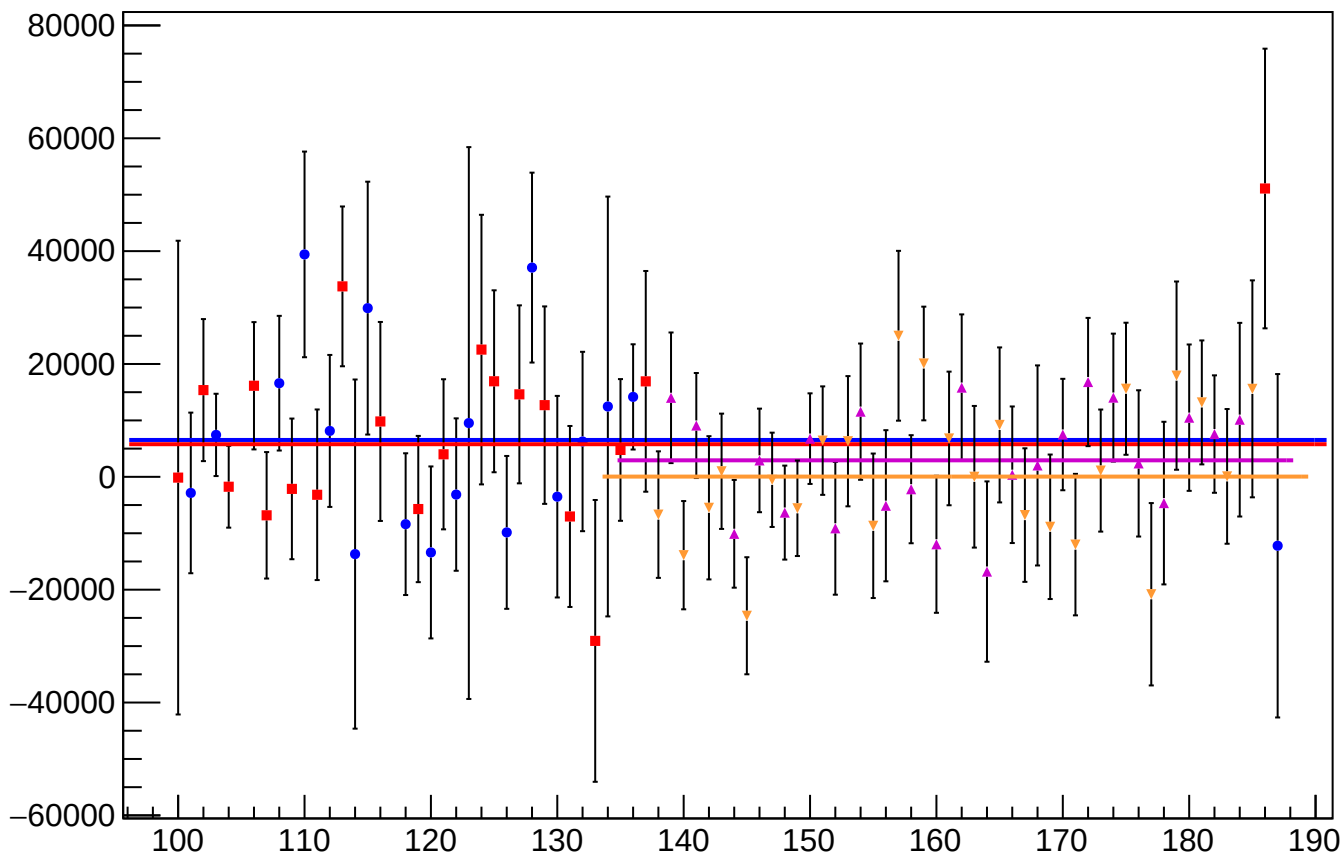
Right: 13550.170+/-13.253 χ^2/NDF : 16239.8/1

In: 9395.181+/-1.608 χ^2/NDF :1215737.4/23

Out: 9416.138+/-1.576 χ^2/NDF :1287614.9/25

All: 9405.866+/-1.126 χ^2/NDF : 2503439.0/49

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6535.091 $\pm$ 3366.350 χ^2 /NDF: 15.7/17

Left Out: 43.265 $\pm$ 2290.867 χ^2 /NDF:25.9/24

Right Out: 5781.829 $\pm$ 3142.053 χ^2 /NDF: 17.0/19

Left In: 2925.533 $\pm$ 2330.587 χ^2 /NDF:14.6/22

Left: 1459.628 $\pm$ 1633.750 χ^2 /NDF: 41.2/47

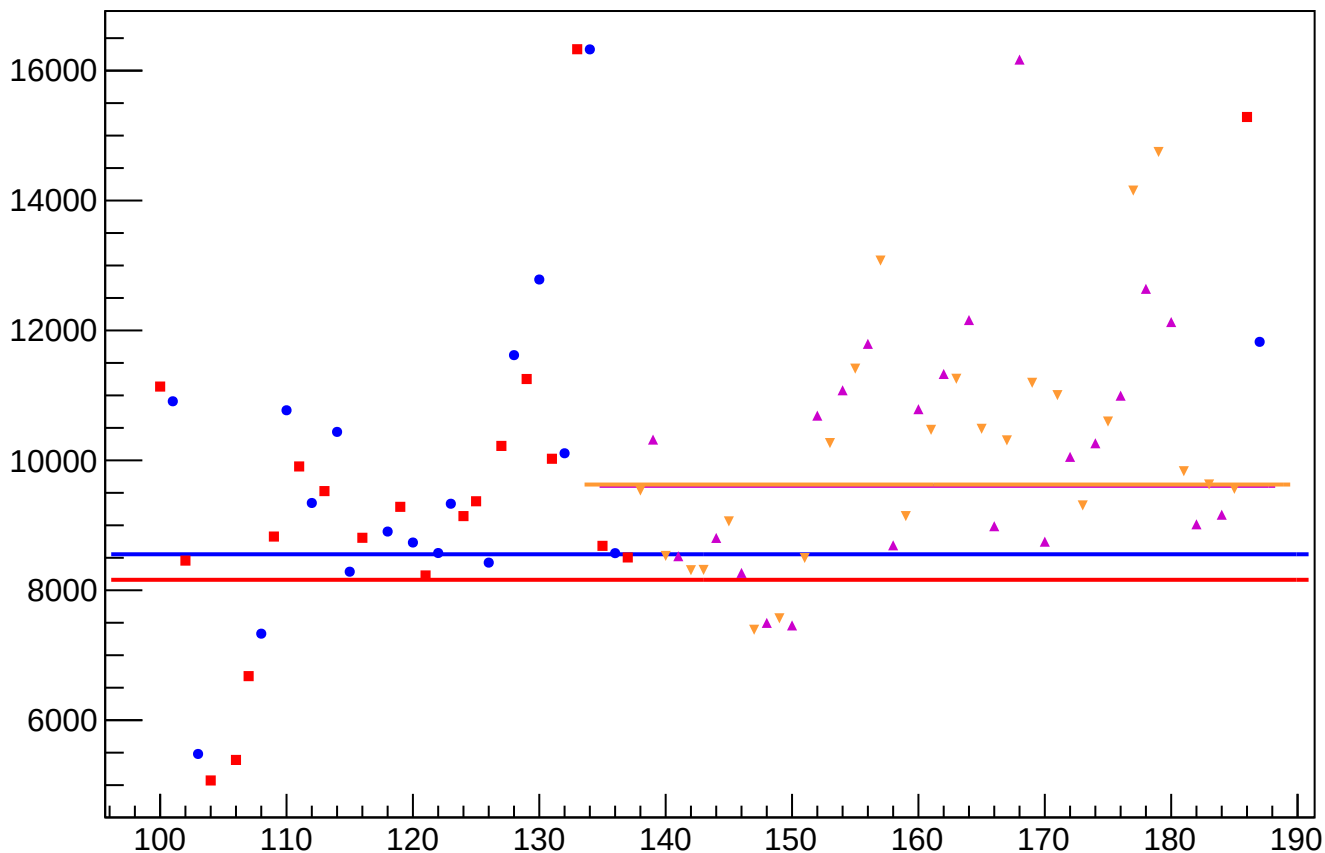
Right: 6132.531 $\pm$ 2296.971 χ^2 /NDF: 32.8/37

In: 4095.054 $\pm$ 1916.180 χ^2 /NDF:31.1/40

Out: 2035.015 $\pm$ 1851.097 χ^2 /NDF:45.0/44

All: 3029.456 $\pm$ 1331.338 χ^2 /NDF: 76.8/85

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8554.182+/-2.380

χ^2/NDF : 785999.8/17

Left: 9617.863+/-1.155

χ^2/NDF : 2090184.3/47

Left Out: 9627.824+/-1.620

χ^2/NDF : 1004641.7/24

Right: 8344.125+/-1.624

χ^2/NDF : 1920910.1/37

Right Out: 8161.140+/-2.222

χ^2/NDF : 1120339.3/19

In: 9266.254+/-1.355

χ^2/NDF : 2003843.6/40

Out: 9118.742+/-1.309

χ^2/NDF : 2409528.8/44

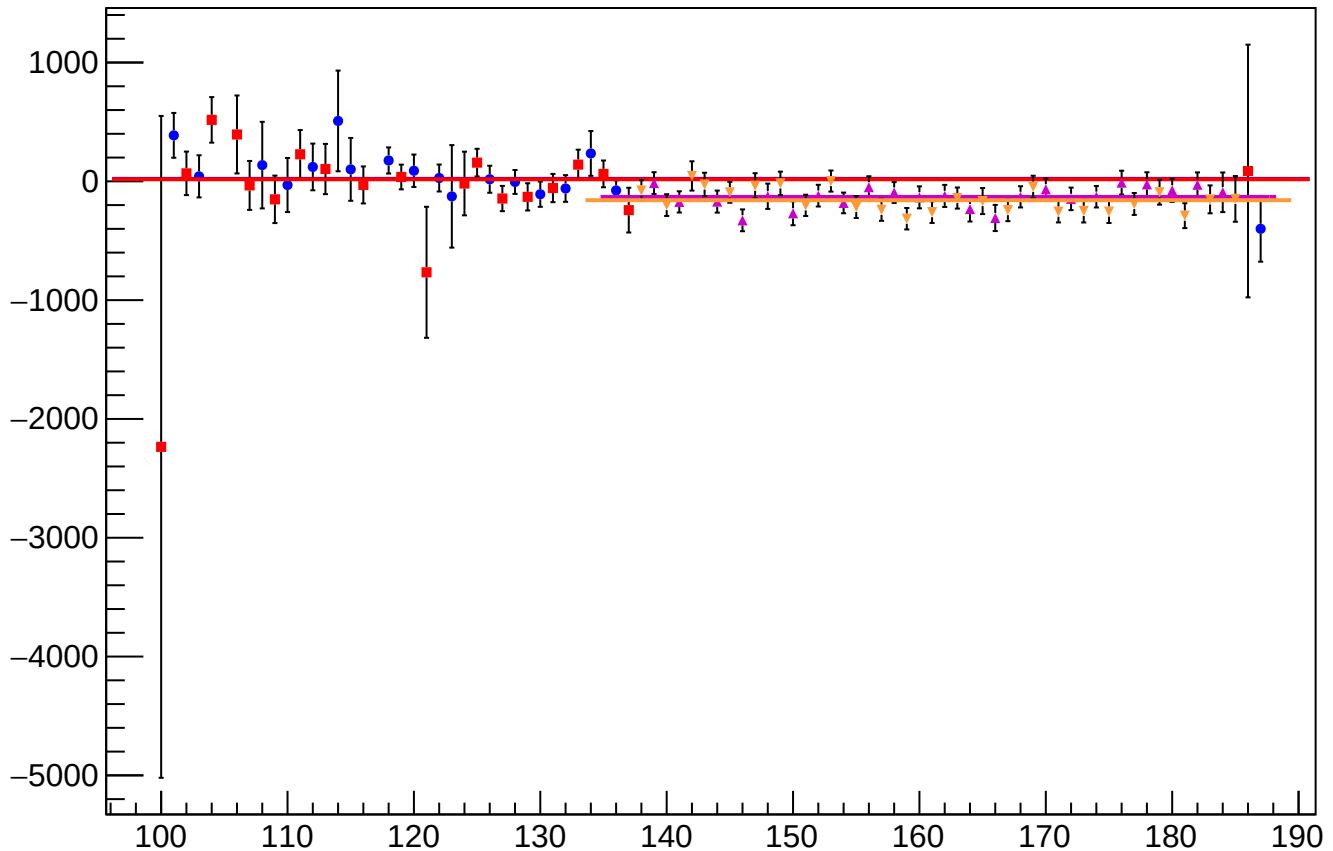
Left In: 9607.553+/-1.648

χ^2/NDF : 1085465.7/22

All: 9189.949+/-0.941

χ^2/NDF : 4419503.5/85

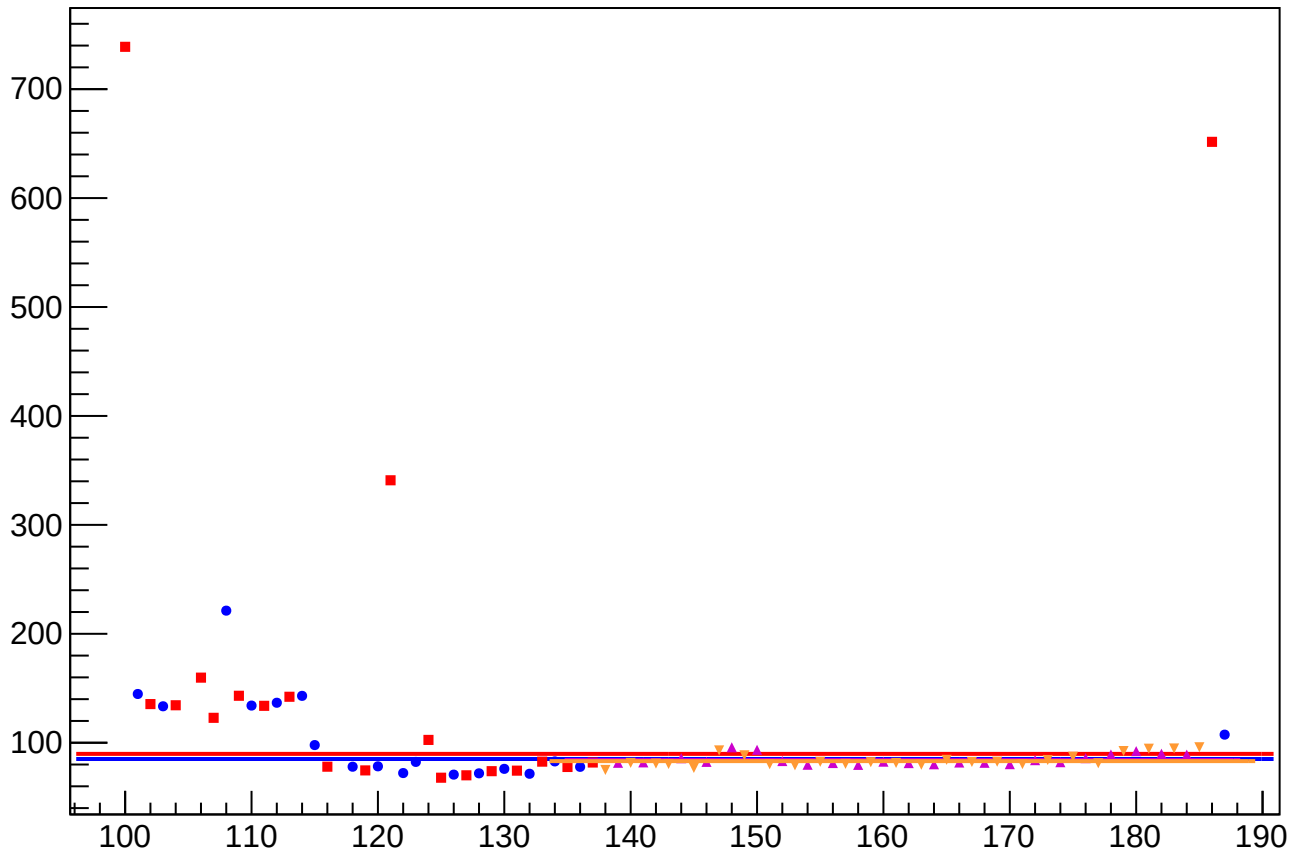
dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 20.585 ± 33.774 χ^2/NDF : 14.9/17
 Left Out: -158.948 ± 19.453 χ^2/NDF : 25.8/24
 Right Out: 17.446 ± 35.528 χ^2/NDF : 21.9/19
 Left In: -131.879 ± 20.076 χ^2/NDF : 17.8/22

Left: -145.840 ± 13.970 χ^2/NDF : 44.5/47
 Right: 19.095 ± 24.479 χ^2/NDF : 36.8/37
 In: -92.074 ± 17.257 χ^2/NDF : 47.8/40
 Out: -118.261 ± 17.063 χ^2/NDF : 66.6/44
 All: -105.316 ± 12.133 χ^2/NDF : 115.5/85

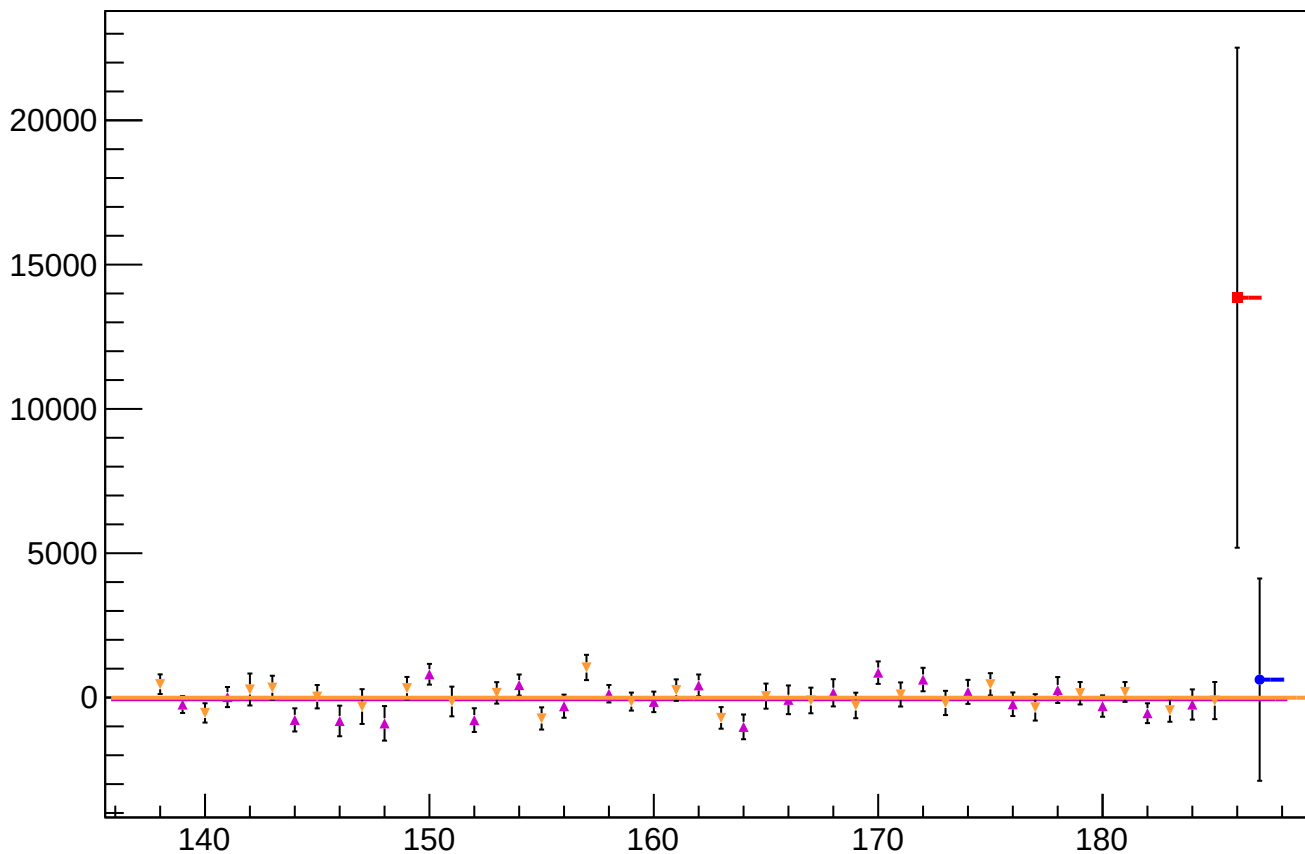
dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 85.075+/-0.024 χ^2/NDF : 1077650.8/17
 Left Out: 83.126+/-0.014 χ^2/NDF :138741.0/24
 Right Out: 89.771+/-0.025 χ^2/NDF : 2118224.9/19
 Left In: 84.108+/-0.014 χ^2/NDF :96934.3/22

Left: 83.602+/-0.010 χ^2/NDF : 238144.0/47
 Right: 87.304+/-0.017 χ^2/NDF : 3214232.2/37
 In: 84.361+/-0.012 χ^2/NDF :1175794.8/40
 Out: 84.659+/-0.012 χ^2/NDF :2310787.8/44
 All: 84.511+/-0.009 χ^2/NDF : 3486884.6/85

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 619.744+/-3504.878 χ^2/NDF : 0.0/0

Left Out: -6.627+/-81.138 χ^2/NDF : 24.4/24

Right Out: 13853.889+/-8663.157 χ^2/NDF : 0.0/0

Left In: -59.971+/-82.046 χ^2/NDF : 38.0/22

Left: -33.002+/-57.692 χ^2/NDF : 62.6/47

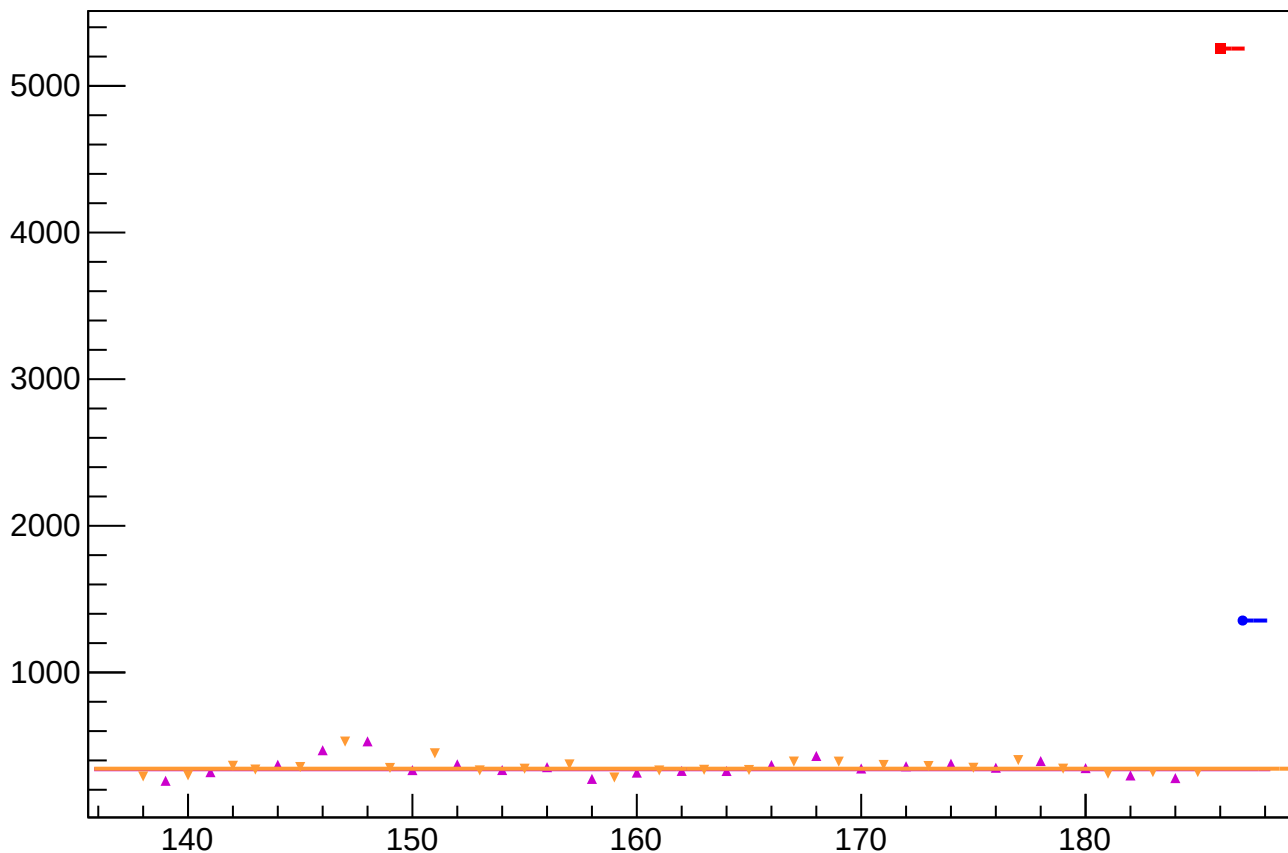
Right: 2481.214+/-3249.049 χ^2/NDF : 2.0/1

In: -59.599+/-82.024 χ^2/NDF : 38.0/23

Out: -5.412+/-81.134 χ^2/NDF : 26.9/25

All: -32.210+/-57.683 χ^2/NDF : 65.2/49

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 1353.985+/-2.478 χ^2/NDF : 0.0/0

Left Out: 343.620+/-0.057 χ^2/NDF : 571090.7/24

Right Out: 5254.581+/-6.126 χ^2/NDF : 0.0/0

Left In: 339.804+/-0.058 χ^2/NDF : 799750.5/22

Left: 341.733+/-0.041 χ^2/NDF : 1373028.9/47

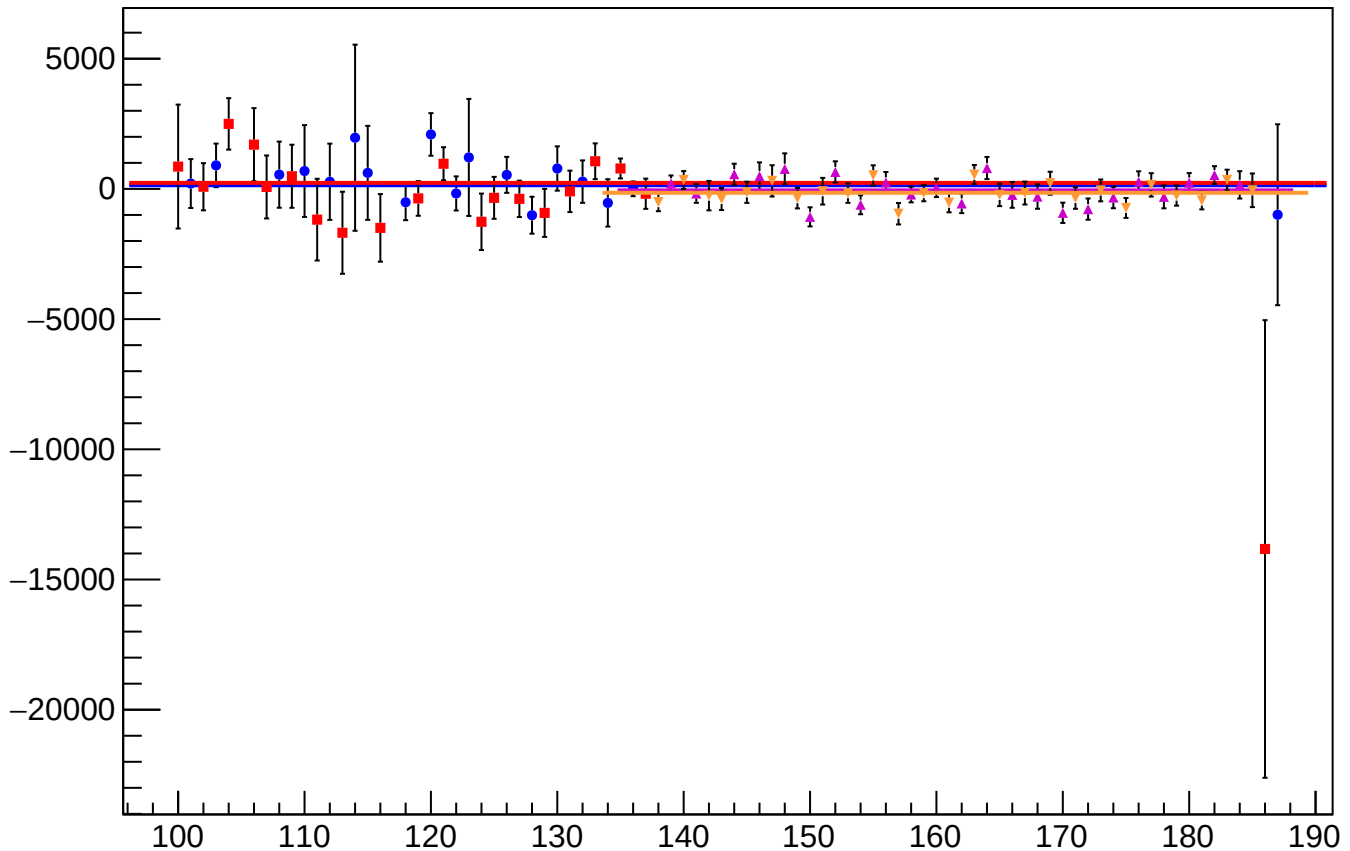
Right: 1902.630+/-2.297 χ^2/NDF : 348422.4/1

In: 340.359+/-0.058 χ^2/NDF : 967120.6/23

Out: 344.051+/-0.057 χ^2/NDF : 1213737.5/25

All: 342.225+/-0.041 χ^2/NDF : 2182905.7/49

asym_sam1_mean vs Slug, Sign Corrected



Right In: 140.471+/-178.999 χ^2/NDF : 12.9/17

Left Out: -148.809+/-81.017 χ^2/NDF : 22.0/24

Right Out: 231.657+/-183.955 χ^2/NDF : 24.2/19

Left In: -56.402+/-82.155 χ^2/NDF : 39.7/22

Left: -103.250+/-57.686 χ^2/NDF : 62.3/47

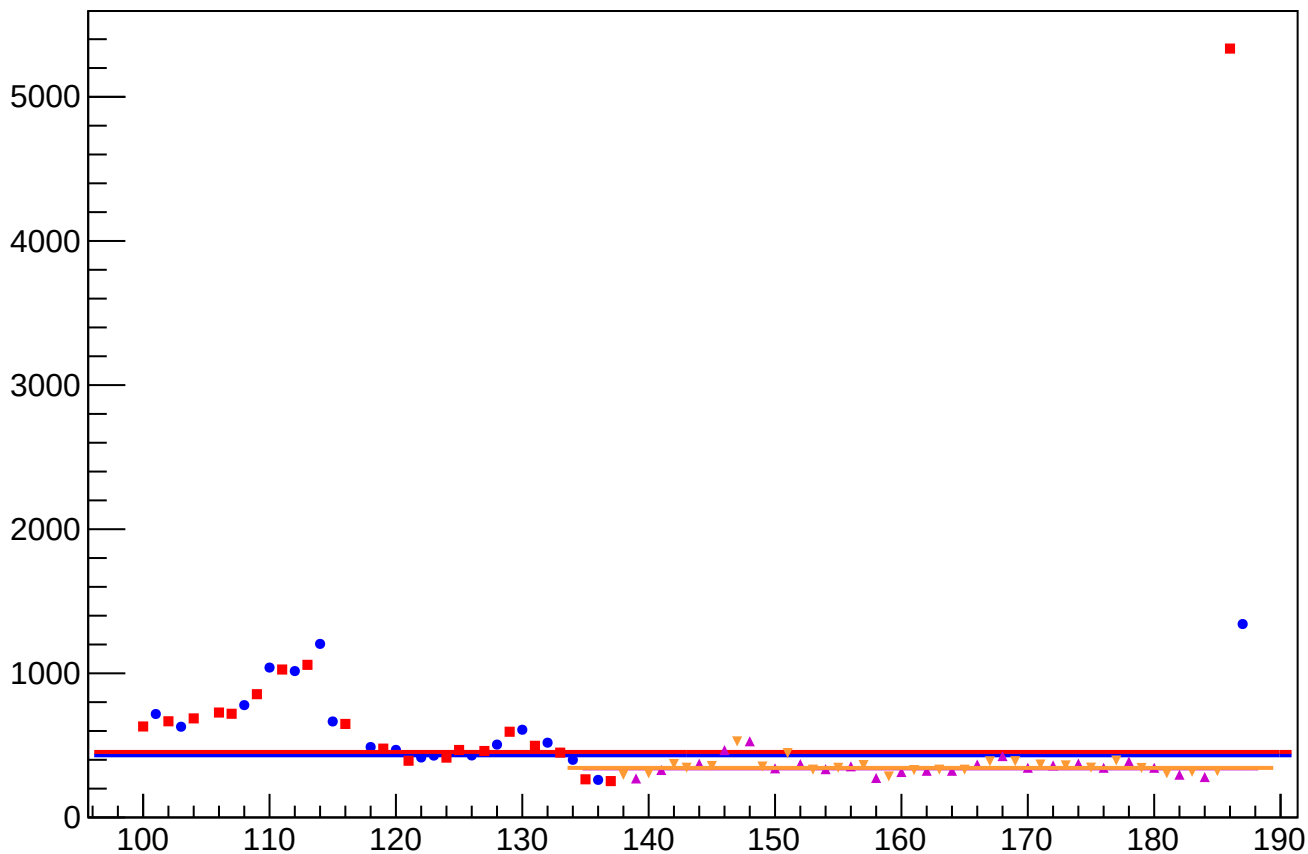
Right: 184.819+/-128.288 χ^2/NDF : 37.2/37

In: -22.146+/-74.666 χ^2/NDF : 53.6/40

Out: -87.000+/-74.145 χ^2/NDF : 49.8/44

All: -54.801+/-52.612 χ^2/NDF : 103.8/85

asym_sam1_rms vs Slug, Sign Corrected



Right In: 431.281+/-0.127 χ^2/NDF : 2150179.2/17

Left Out: 343.762+/-0.057 χ^2/NDF : 539246.3/24

Right Out: 454.657+/-0.130 χ^2/NDF : 2656400.4/19

Left In: 340.519+/-0.058 χ^2/NDF : 737049.6/22

Left: 342.163+/-0.041 χ^2/NDF : 1277875.5/47

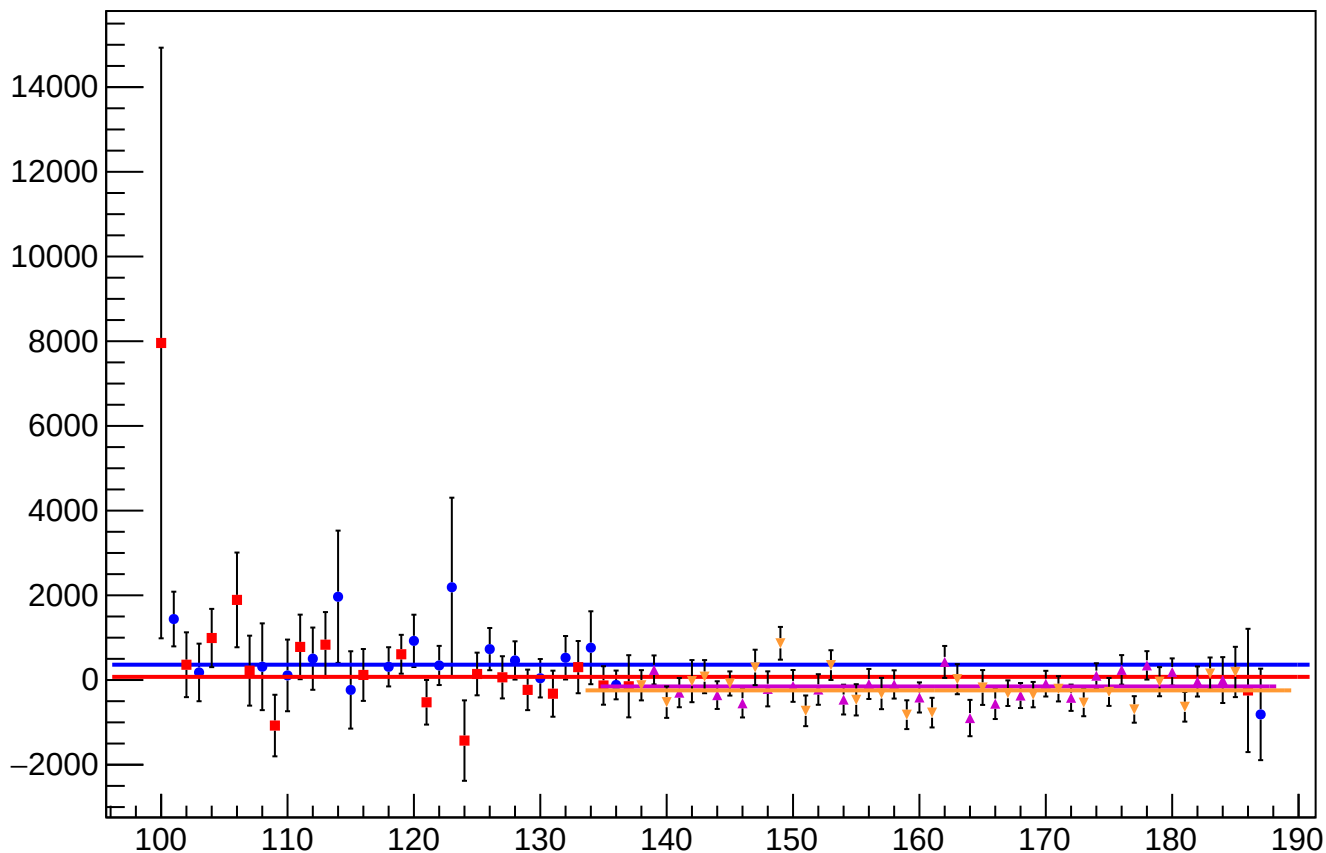
Right: 442.650+/-0.091 χ^2/NDF : 4823168.8/37

In: 356.312+/-0.053 χ^2/NDF : 3311956.7/40

Out: 361.778+/-0.052 χ^2/NDF : 3804397.7/44

All: 359.064+/-0.037 χ^2/NDF : 7121750.8/85

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 361.818 ± 140.000 χ^2/NDF : 10.6/17

Left Out: -244.459 ± 70.636 χ^2/NDF : 28.9/24

Right Out: 74.375 ± 142.777 χ^2/NDF : 16.8/19

Left In: -152.030 ± 72.312 χ^2/NDF : 18.2/22

Left: -199.328 ± 50.529 χ^2/NDF : 47.9/47

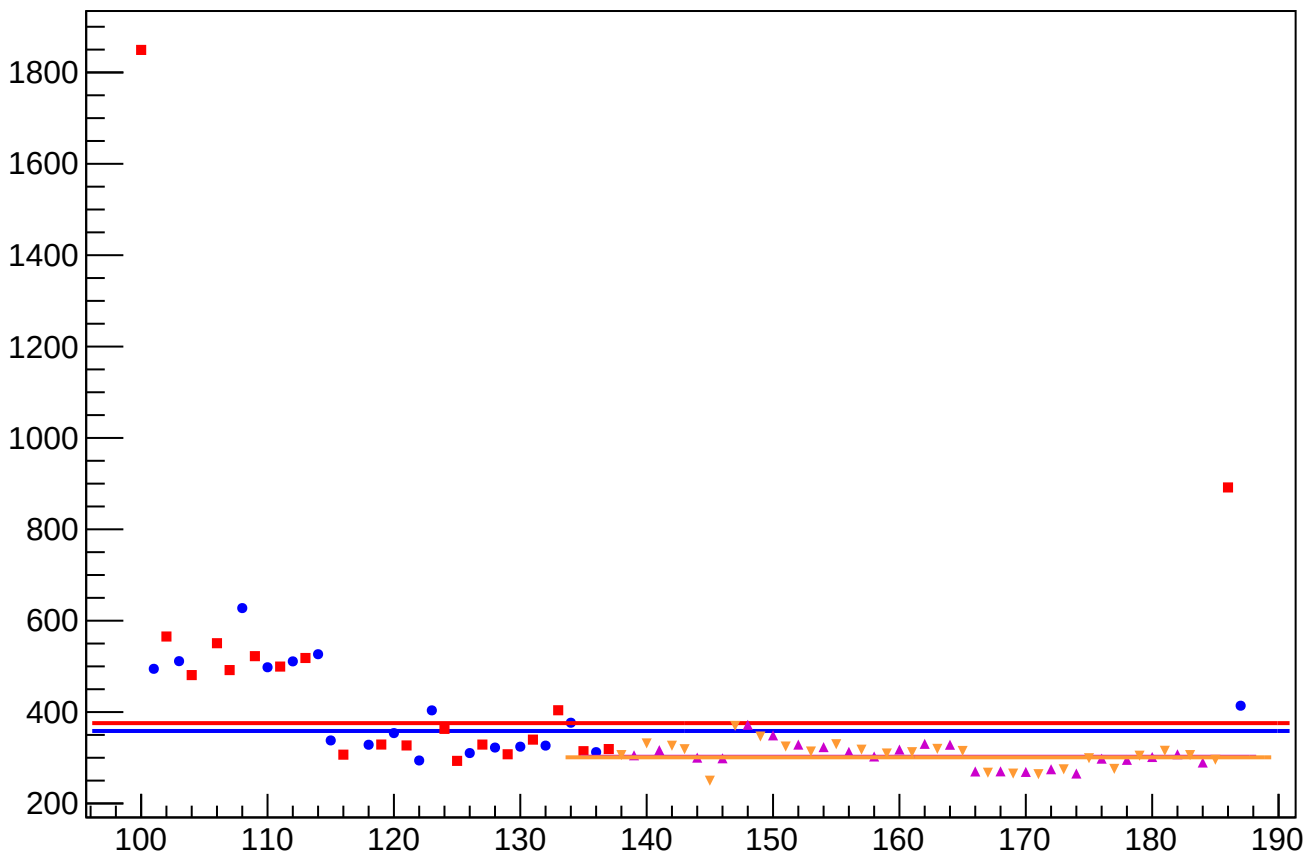
Right: 220.918 ± 99.962 χ^2/NDF : 29.5/37

In: -43.814 ± 64.248 χ^2/NDF : 39.4/40

Out: -181.766 ± 63.312 χ^2/NDF : 49.7/44

All: -113.802 ± 45.095 χ^2/NDF : 91.5/85

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 358.610 $\pm$ 0.099 χ^2 /NDF: 635006.3/17

Left Out: 300.961 $\pm$ 0.050 χ^2 /NDF:322200.5/24

Right Out: 375.806 $\pm$ 0.101 χ^2 /NDF: 1038476.8/19

Left In: 302.180 $\pm$ 0.051 χ^2 /NDF:247468.9/22

Left: 301.556 $\pm$ 0.036 χ^2 /NDF: 569960.3/47

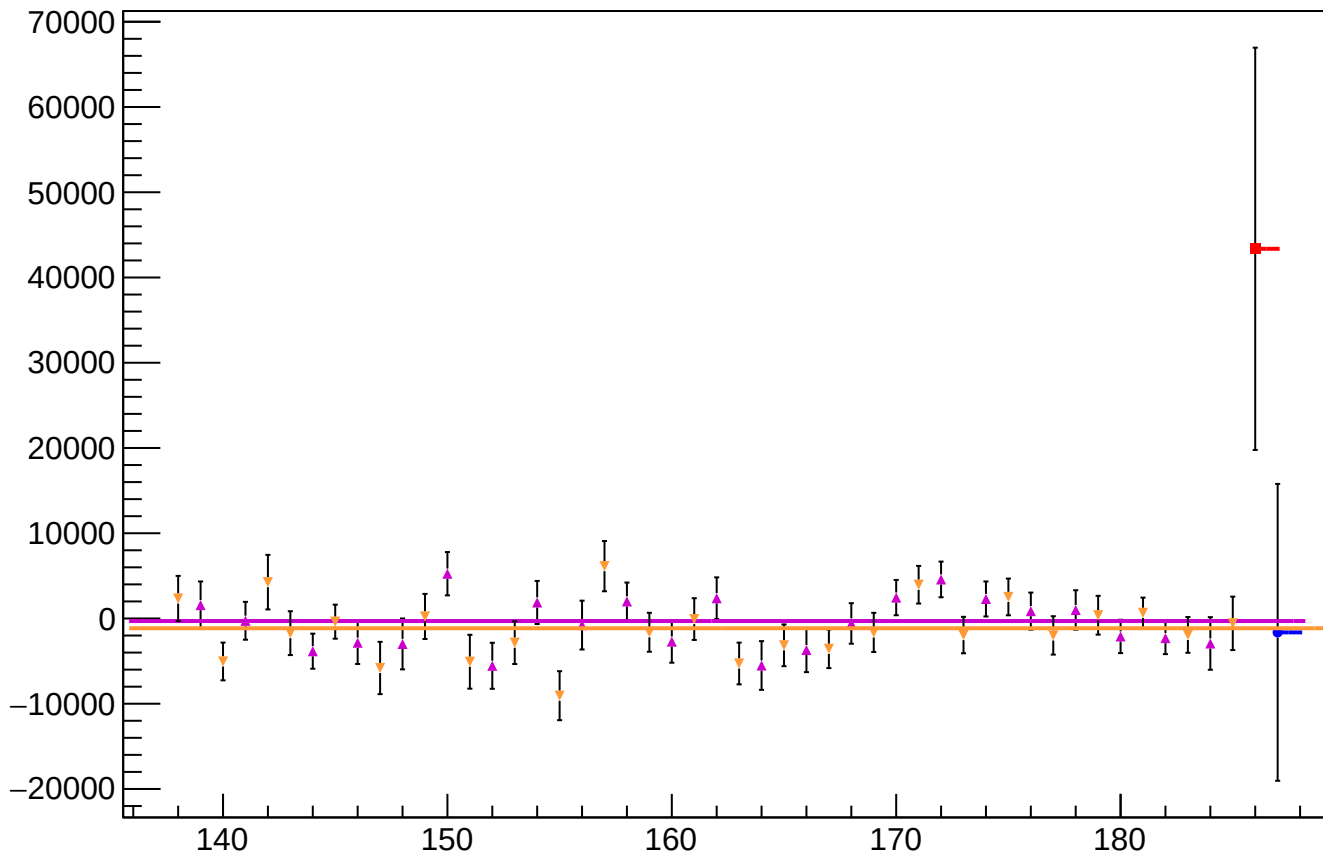
Right: 367.039 $\pm$ 0.071 χ^2 /NDF: 1688274.6/37

In: 314.064 $\pm$ 0.045 χ^2 /NDF:1138977.3/40

Out: 315.678 $\pm$ 0.045 χ^2 /NDF:1802212.0/44

All: 314.883 $\pm$ 0.032 χ^2 /NDF: 2941829.5/85

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -1628.344 $\pm$ 17412.851 χ^2 /NDF: 0.0/0

Left Out: -1146.466 $\pm$ 479.950 χ^2 /NDF:41.3/24

Right Out: 43365.102 $\pm$ 23595.508 χ^2 /NDF: 0.0/0

Left In: -298.915 $\pm$ 491.476 χ^2 /NDF:35.0/22

Left: -732.745 $\pm$ 343.379 χ^2 /NDF: 77.8/47

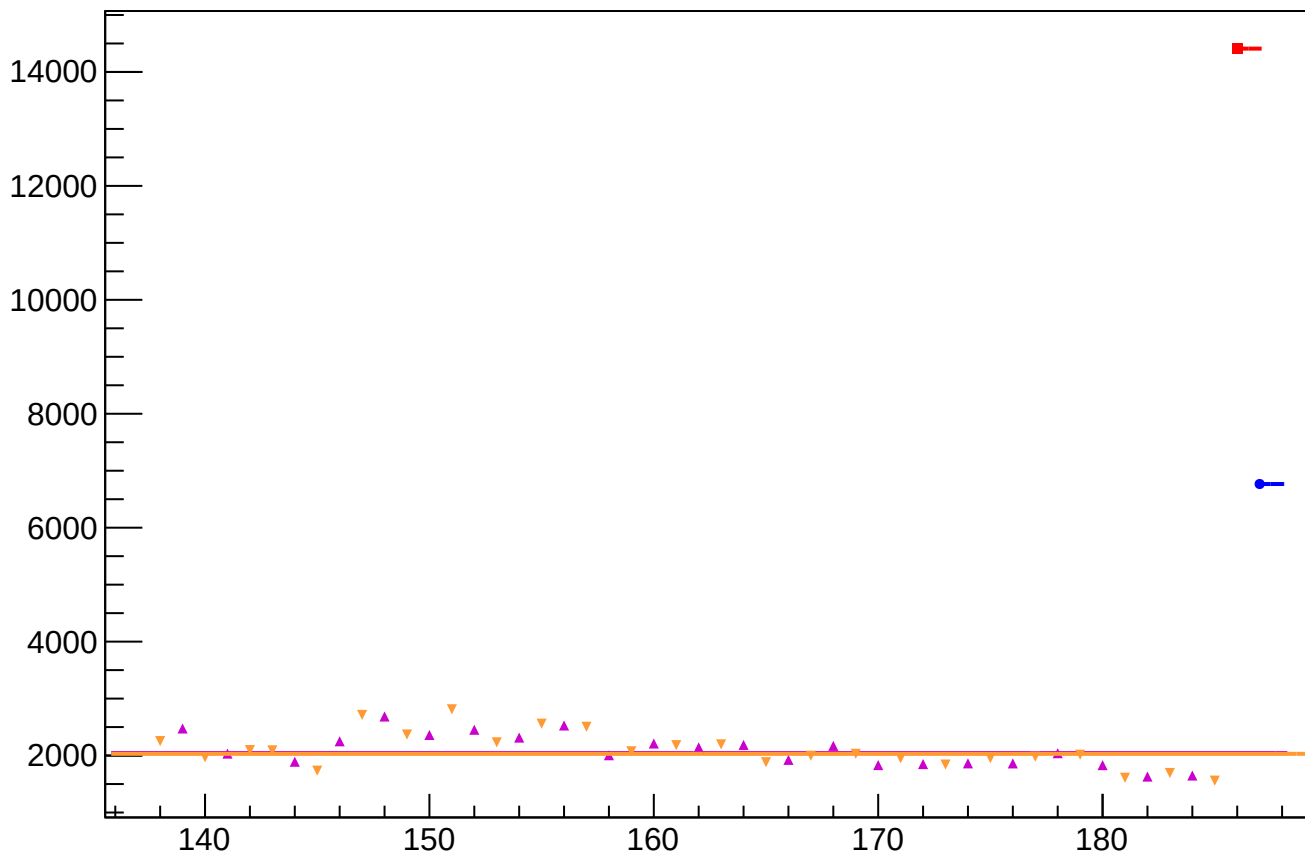
Right: 14235.670 $\pm$ 14010.746 χ^2 /NDF: 2.4/1

In: -299.974 $\pm$ 491.280 χ^2 /NDF:35.0/23

Out: -1128.057 $\pm$ 479.851 χ^2 /NDF:44.8/25

All: -723.760 $\pm$ 343.275 χ^2 /NDF: 81.3/49

asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 6766.758+/-12.313 χ^2/NDF : 0.0/0

Left Out: 2030.179+/-0.339 χ^2/NDF : 702523.9/24

Right Out: 14409.679+/-16.685 χ^2/NDF : 0.0/0

Left In: 2044.056+/-0.348 χ^2/NDF : 570535.5/22

Left: 2036.953+/-0.243 χ^2/NDF : 1273875.5/47

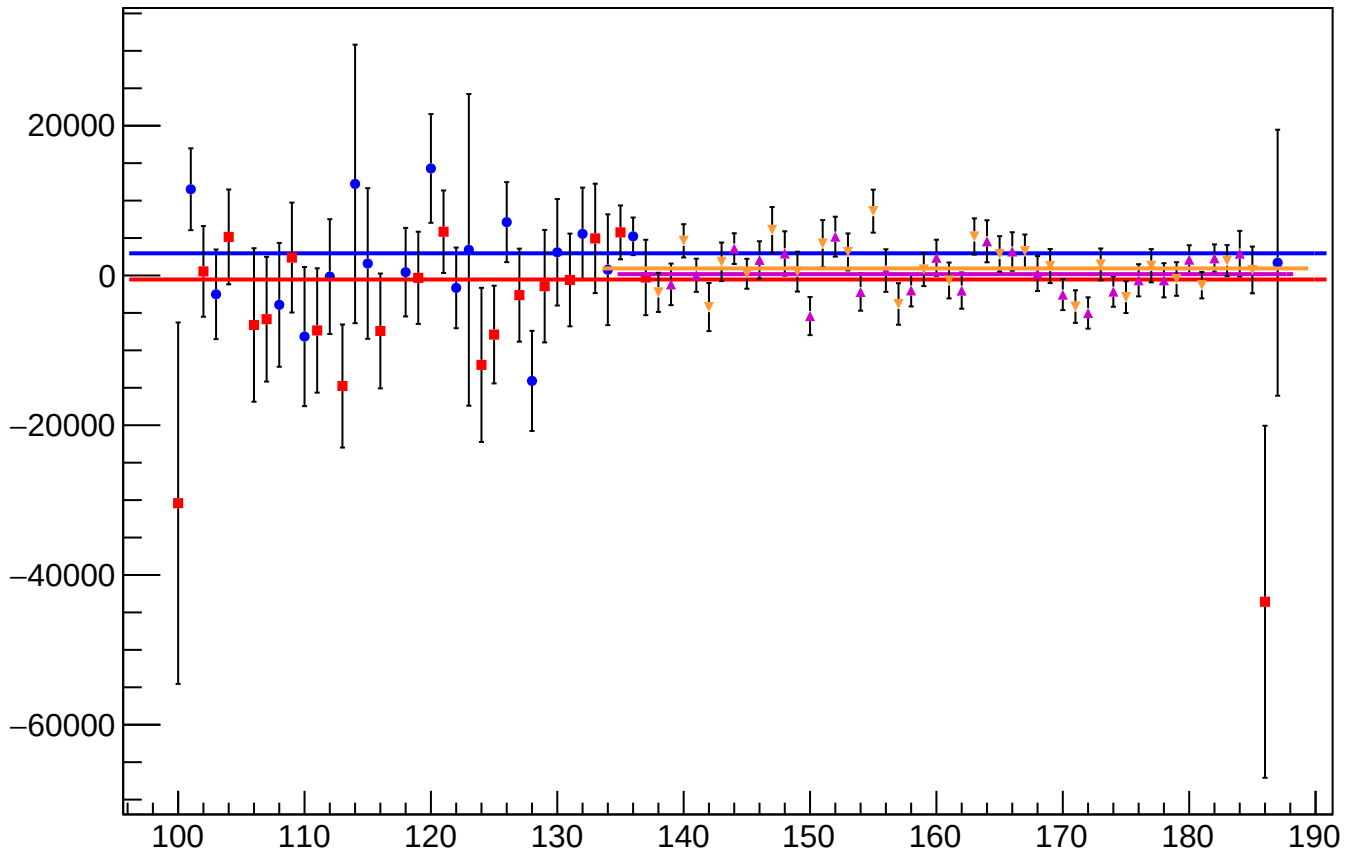
Right: 9461.537+/-9.907 χ^2/NDF : 135854.1/1

In: 2047.815+/-0.347 χ^2/NDF : 717538.3/23

Out: 2035.299+/-0.339 χ^2/NDF : 1252821.8/25

All: 2041.410+/-0.243 χ^2/NDF : 1971024.4/49

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2960.858+/-1435.776 χ^2/NDF : 17.4/17

Left Out: 942.775+/-474.439 χ^2/NDF : 38.3/24

Right Out: -535.568+/-1503.977 χ^2/NDF : 18.7/19

Left In: 180.087+/-486.112 χ^2/NDF : 32.9/22

Left: 570.698+/-339.531 χ^2/NDF : 72.5/47

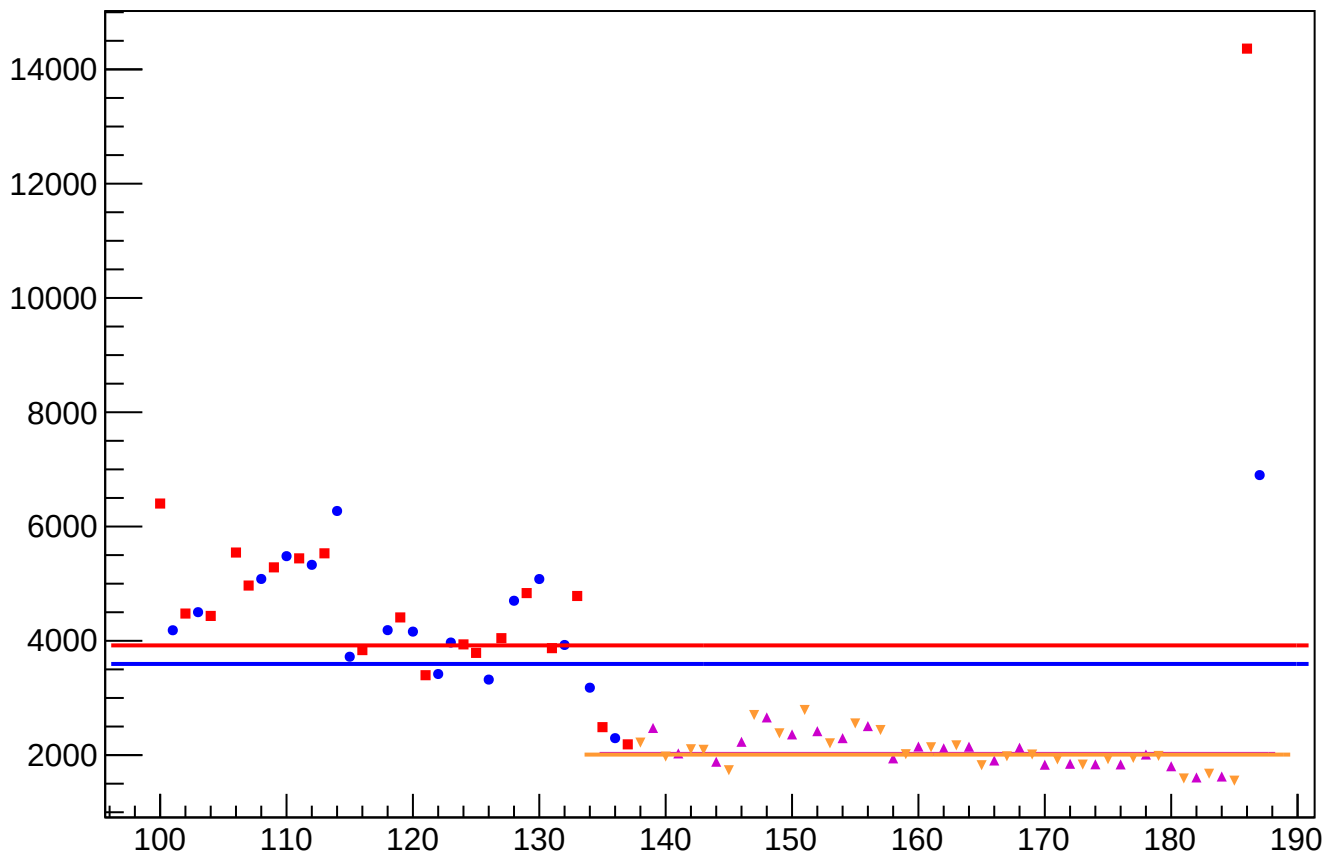
Right: 1293.718+/-1038.521 χ^2/NDF : 38.9/37

In: 466.066+/-460.437 χ^2/NDF : 53.7/40

Out: 808.976+/-452.460 χ^2/NDF : 57.9/44

All: 640.517+/-322.721 χ^2/NDF : 111.8/85

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3595.205 ± 1.015 $\chi^2/\text{NDF}: 1158425.5/17$

Left Out: 2008.897 ± 0.335 $\chi^2/\text{NDF}: 709254.4/24$

Right Out: 3919.832 ± 1.063 $\chi^2/\text{NDF}: 1384716.7/19$

Left In: 2020.887 ± 0.344 $\chi^2/\text{NDF}: 576363.5/22$

Left: 2014.747 ± 0.240 $\chi^2/\text{NDF}: 1286241.1/47$

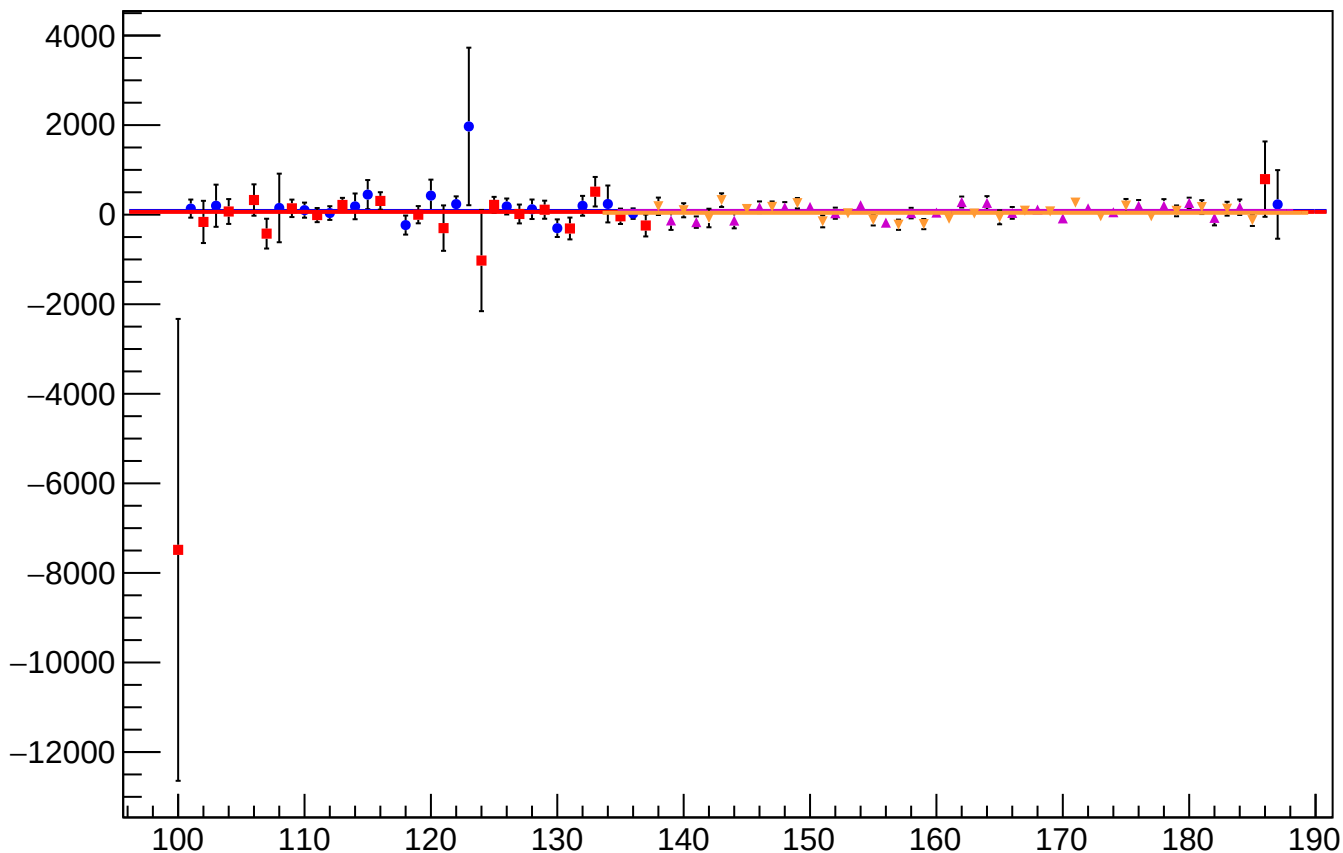
Right: 3749.991 ± 0.734 $\chi^2/\text{NDF}: 2591891.9/37$

In: 2182.792 ± 0.326 $\chi^2/\text{NDF}: 3892090.0/40$

Out: 2181.848 ± 0.320 $\chi^2/\text{NDF}: 5030530.2/44$

All: 2182.312 ± 0.228 $\chi^2/\text{NDF}: 8922624.5/85$

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 82.522 $\pm$ 51.788 χ^2 /NDF: 11.6/17

Left Out: 41.847 $\pm$ 23.035 χ^2 /NDF:39.1/24

Right Out: 61.929 $\pm$ 53.060 χ^2 /NDF: 17.2/19

Left In: 82.630 $\pm$ 24.154 χ^2 /NDF:28.6/22

Left: 61.273 $\pm$ 16.670 χ^2 /NDF: 69.2/47

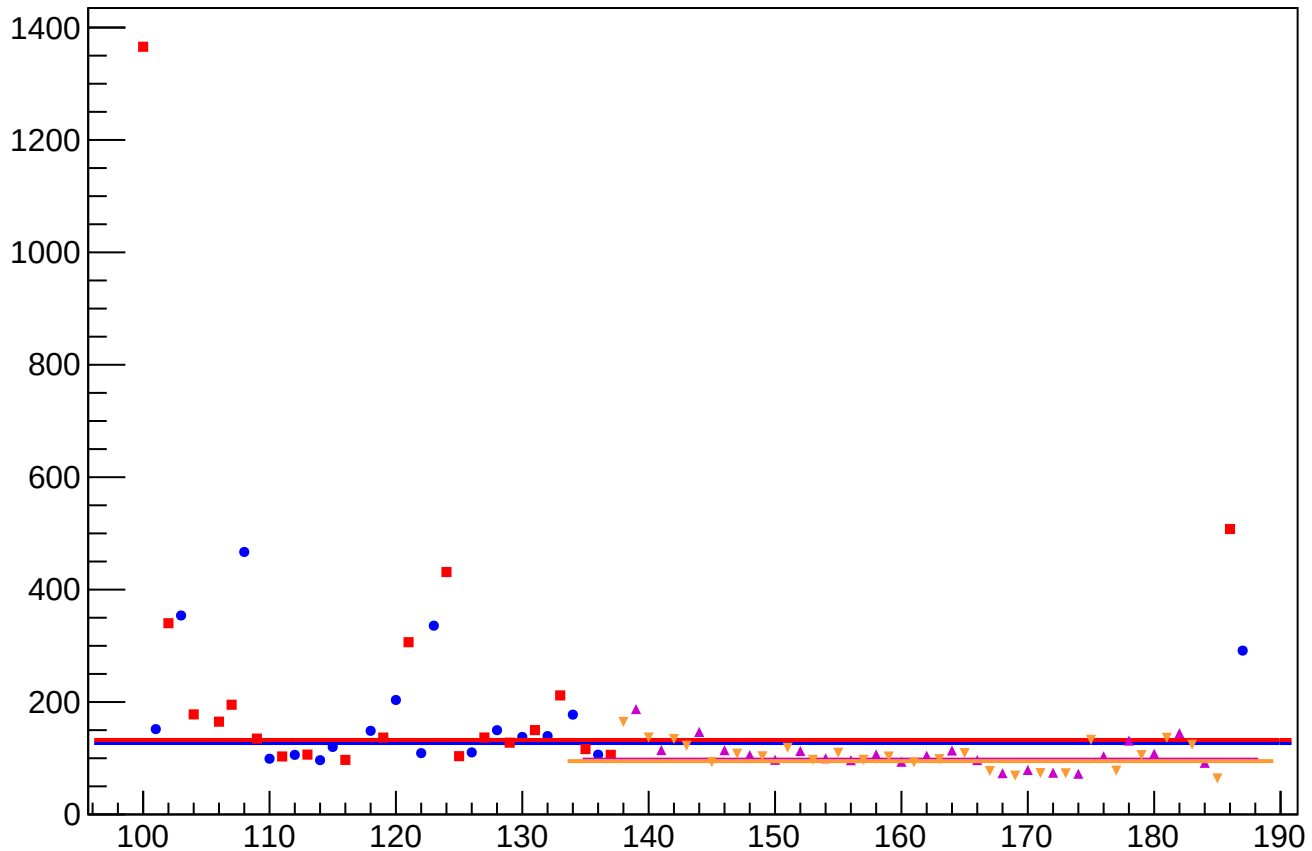
Right: 72.475 $\pm$ 37.061 χ^2 /NDF: 28.8/37

In: 82.610 $\pm$ 21.890 χ^2 /NDF:40.2/40

Out: 45.032 $\pm$ 21.130 χ^2 /NDF:56.4/44

All: 63.158 $\pm$ 15.203 χ^2 /NDF: 98.1/85

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 127.094 $\pm$ 0.037 χ^2/NDF : 1403117.9/17

Left Out: 94.886 $\pm$ 0.016 χ^2/NDF : 1796861.0/24

Right Out: 132.505 $\pm$ 0.038 χ^2/NDF : 1828722.4/19

Left In: 97.499 $\pm$ 0.017 χ^2/NDF : 1561333.1/22

Left: 96.131 $\pm$ 0.012 χ^2/NDF : 3370445.2/47

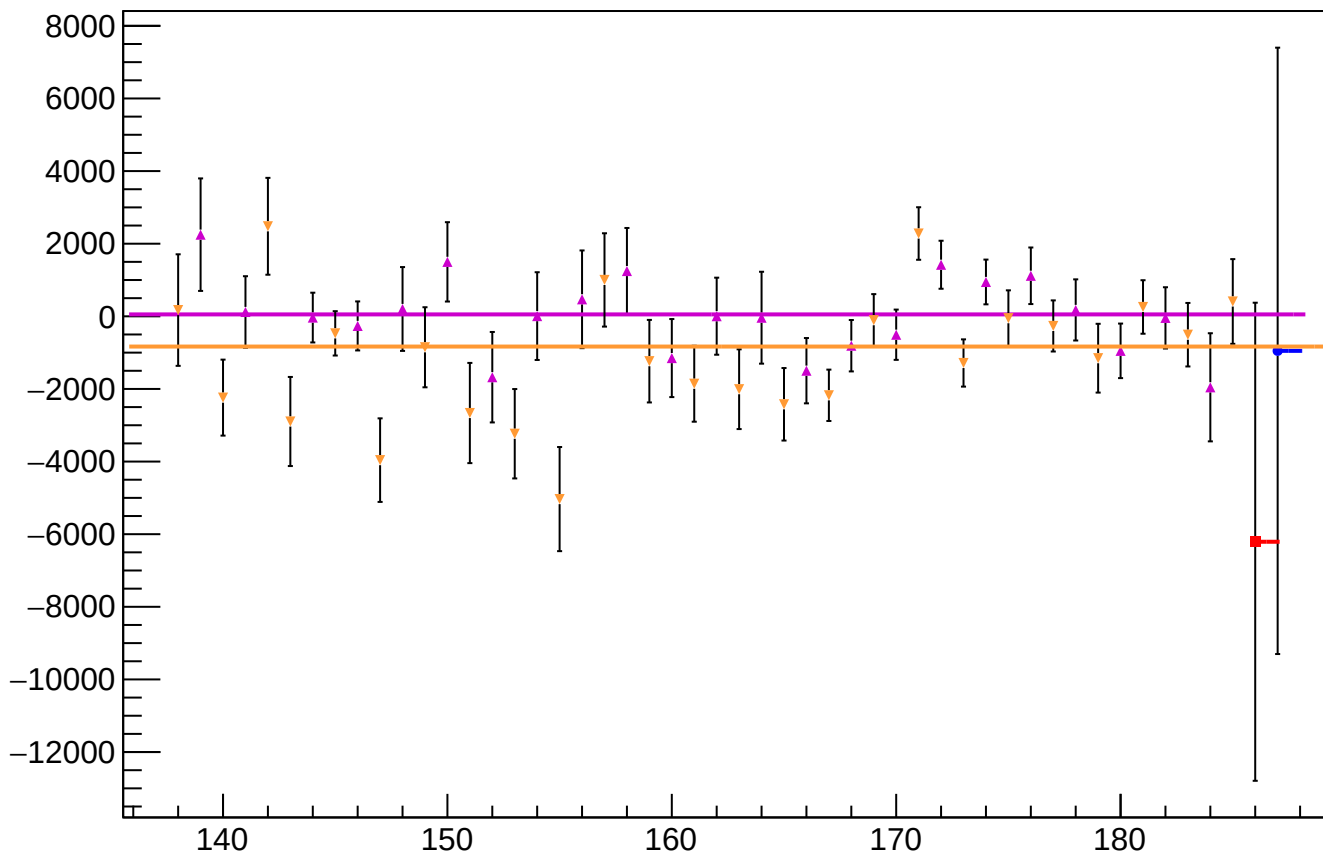
Right: 129.734 $\pm$ 0.026 χ^2/NDF : 3242493.9/37

In: 102.786 $\pm$ 0.015 χ^2/NDF : 3500912.1/40

Out: 100.852 $\pm$ 0.015 χ^2/NDF : 4471502.3/44

All: 101.785 $\pm$ 0.011 χ^2/NDF : 7980494.0/85

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -950.967 $\pm$ 8349.789 χ^2 /NDF: 0.0/0

Left Out: -832.580 $\pm$ 183.960 χ^2 /NDF:68.8/24

Right Out: -6208.527 $\pm$ 6583.370 χ^2 /NDF: 0.0/0

Left In: 53.006 $\pm$ 184.870 χ^2 /NDF:25.3/22

Left: -391.972 $\pm$ 130.400 χ^2 /NDF: 105.7/47

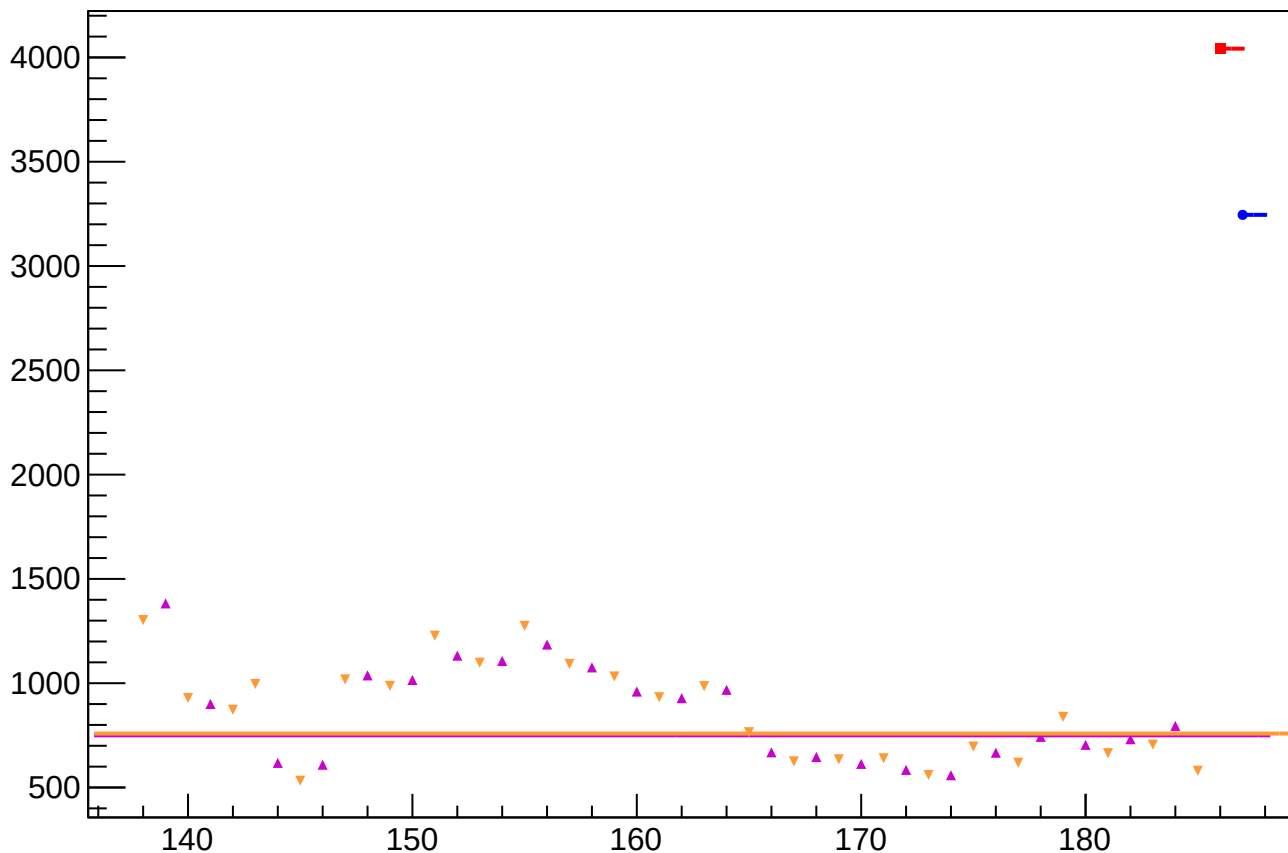
Right: -4193.073 $\pm$ 5169.753 χ^2 /NDF: 0.2/1

In: 52.514 $\pm$ 184.825 χ^2 /NDF:25.3/23

Out: -836.774 $\pm$ 183.888 χ^2 /NDF:69.5/25

All: -394.389 $\pm$ 130.359 χ^2 /NDF: 106.4/49

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 3245.385+/-5.904 χ^2/NDF : 0.0/0

Left Out: 758.608+/-0.130 χ^2/NDF :2453711.9/24

Right Out: 4042.218+/-4.655 χ^2/NDF : 0.0/0

Left In: 749.995+/-0.131 χ^2/NDF :2186634.5/22

Left: 754.323+/-0.092 χ^2/NDF : 4642527.3/47

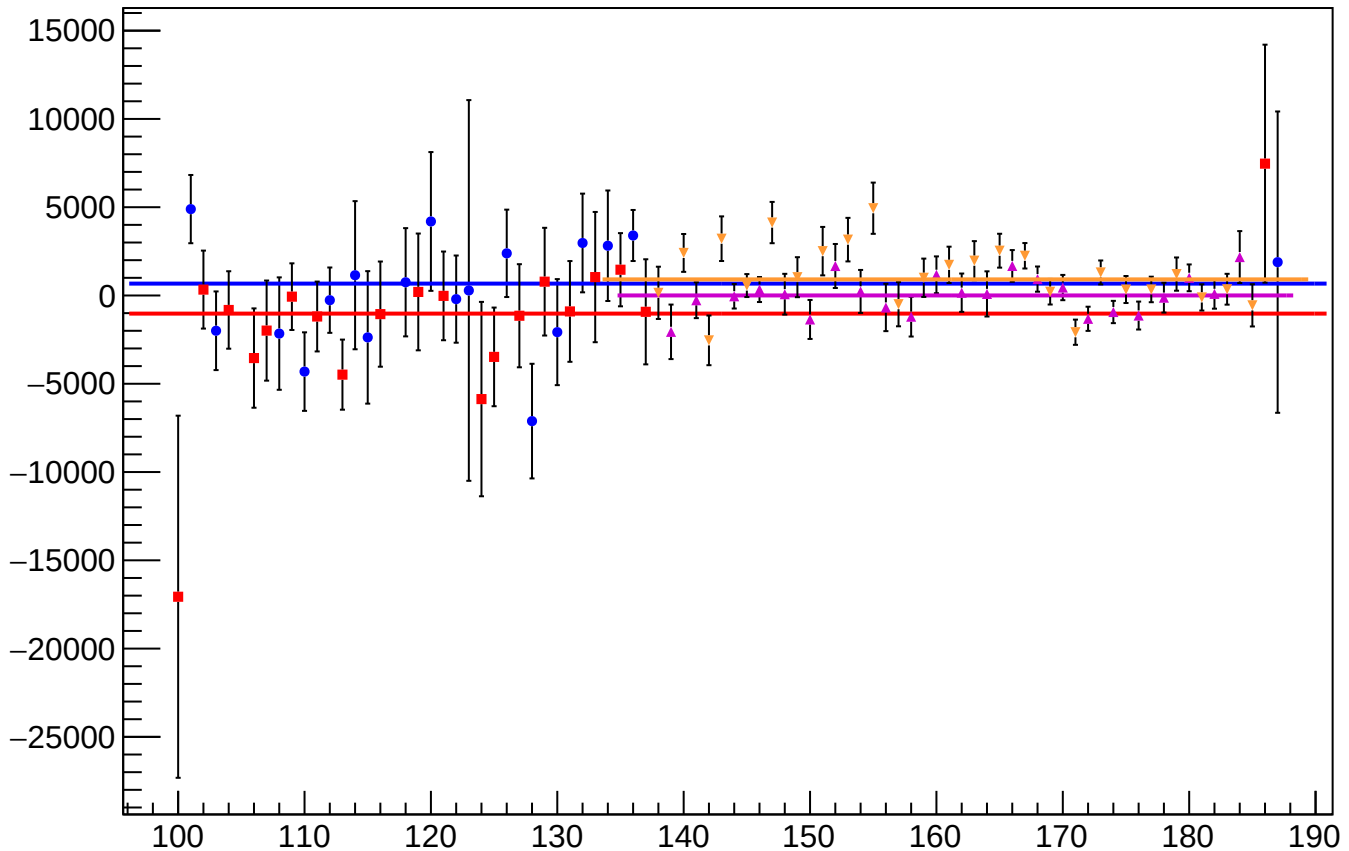
Right: 3736.757+/-3.656 χ^2/NDF : 11232.0/1

In: 751.218+/-0.131 χ^2/NDF :2365177.5/23

Out: 761.169+/-0.130 χ^2/NDF :2950873.5/25

All: 756.219+/-0.092 χ^2/NDF : 5318964.8/49

asym_sam3_mean vs Slug, Sign Corrected



Right In: 672.847 $\pm$ 617.219 χ^2 /NDF: 25.7/17

Left Out: 911.919 $\pm$ 186.104 χ^2 /NDF:64.9/24

Right Out: -1026.341 $\pm$ 600.244 χ^2 /NDF: 12.6/19

Left In: 2.470 $\pm$ 187.271 χ^2 /NDF:25.6/22

Left: 460.036 $\pm$ 132.006 χ^2 /NDF: 102.4/47

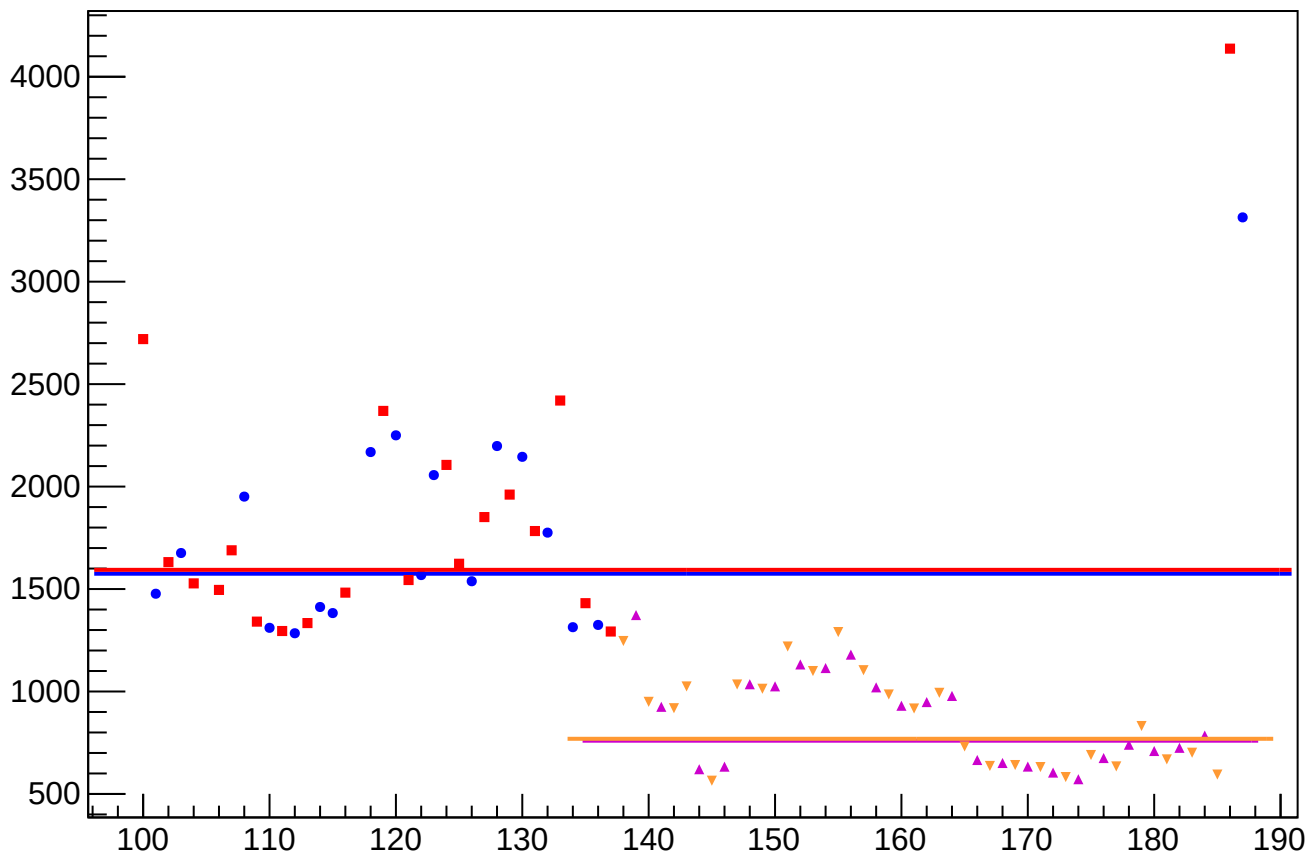
Right: -200.434 $\pm$ 430.312 χ^2 /NDF: 42.2/37

In: 58.981 $\pm$ 179.204 χ^2 /NDF:52.4/40

Out: 741.935 $\pm$ 177.757 χ^2 /NDF:87.0/44

All: 403.228 $\pm$ 126.202 χ^2 /NDF: 146.7/85

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1574.767+/-0.436 χ^2/NDF : 574275.3/17

Left Out: 769.207+/-0.132 χ^2/NDF : 2275390.6/24

Right Out: 1593.709+/-0.424 χ^2/NDF : 749262.5/19

Left In: 759.935+/-0.132 χ^2/NDF : 2014703.5/22

Left: 764.600+/-0.093 χ^2/NDF : 4292560.8/47

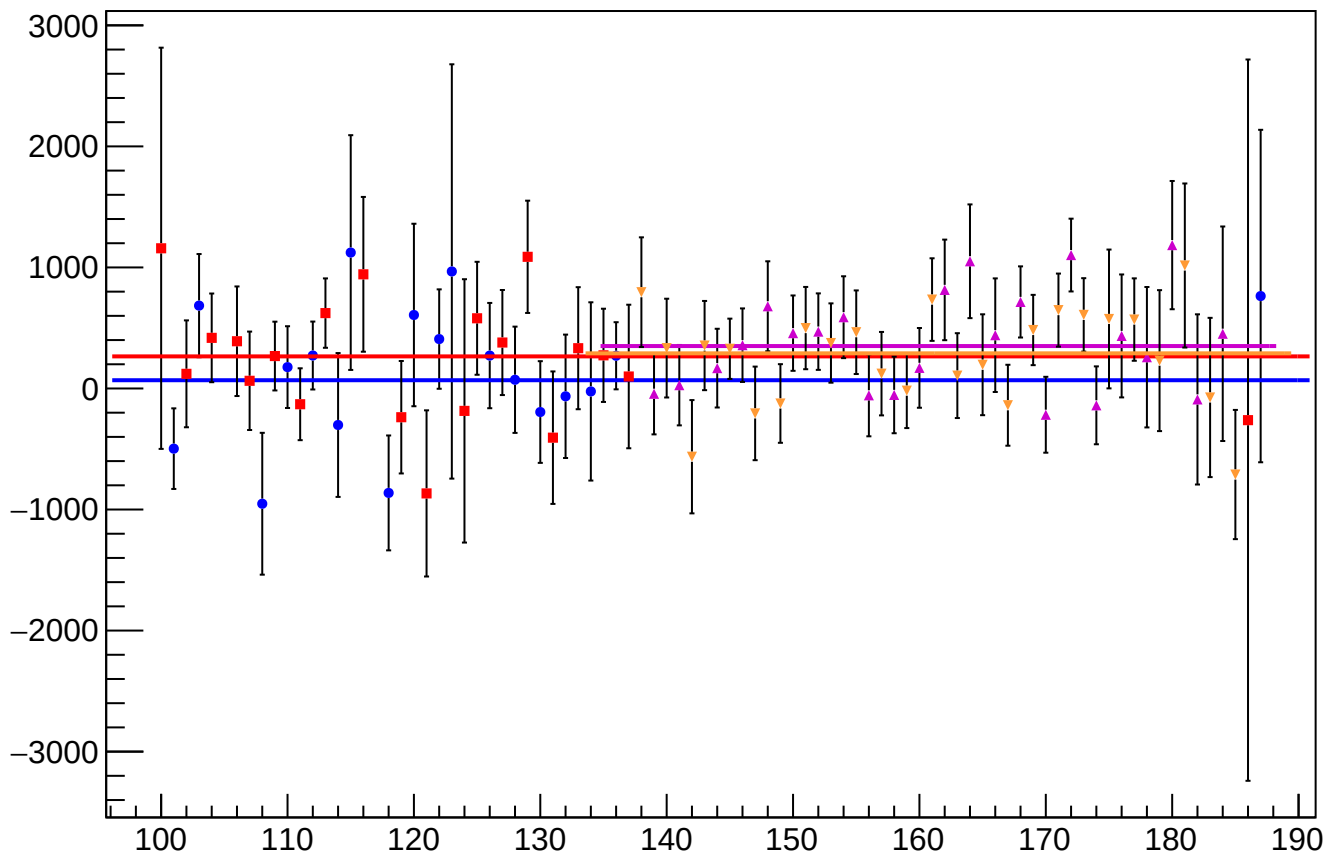
Right: 1584.502+/-0.304 χ^2/NDF : 1324505.7/37

In: 828.624+/-0.127 χ^2/NDF : 5780831.1/40

Out: 841.515+/-0.126 χ^2/NDF : 6467325.5/44

All: 835.122+/-0.089 χ^2/NDF : 12253373.7/85

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 68.179+/-105.028 χ^2/NDF : 17.0/17

Left Out: 290.293+/-72.910 χ^2/NDF :22.3/24

Right Out: 265.075+/-99.324 χ^2/NDF : 14.7/19

Left In: 350.522+/-75.911 χ^2/NDF :27.4/22

Left: 319.194+/-52.584 χ^2/NDF : 50.1/47

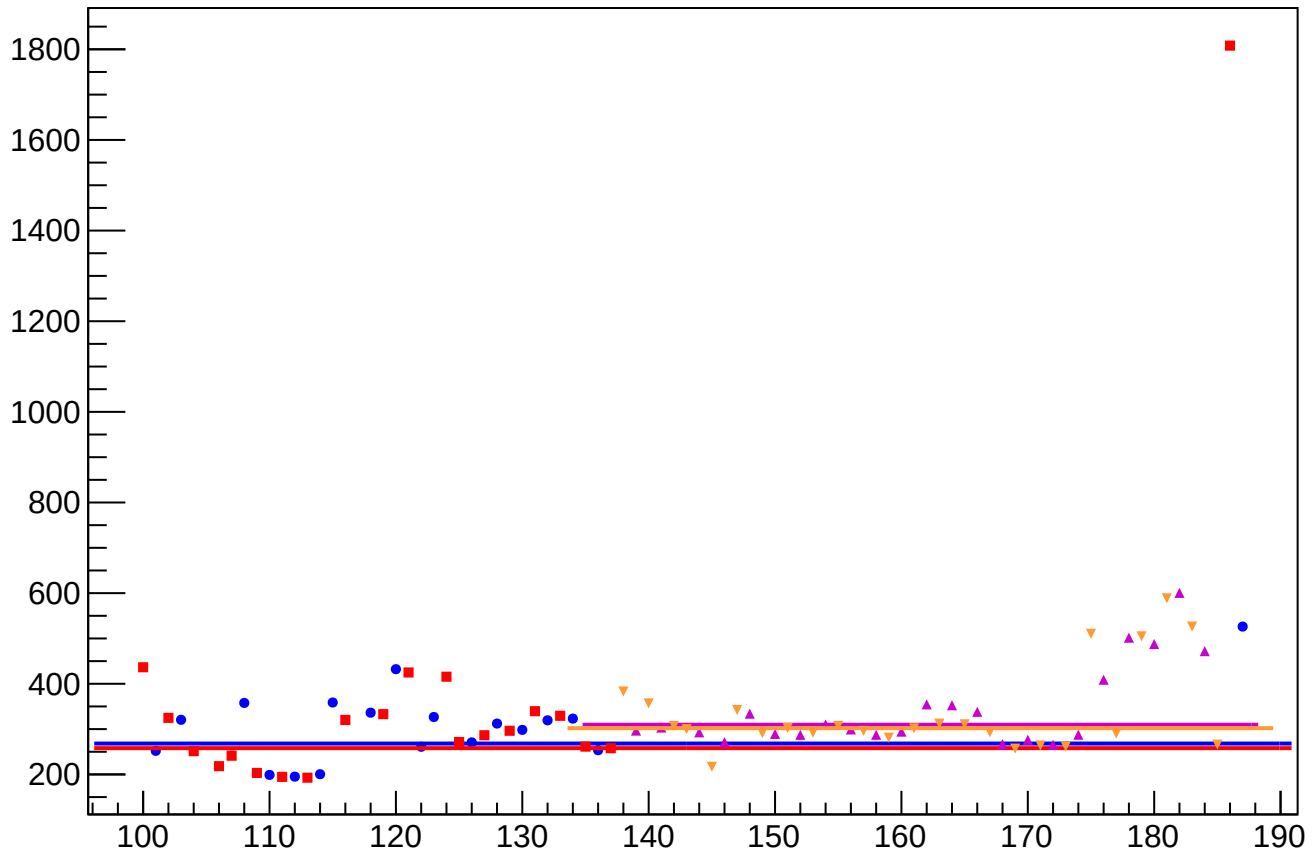
Right: 172.118+/-72.165 χ^2/NDF : 33.6/37

In: 253.639+/-61.523 χ^2/NDF :49.1/40

Out: 281.463+/-58.775 χ^2/NDF :37.1/44

All: 268.186+/-42.498 χ^2/NDF : 86.4/85

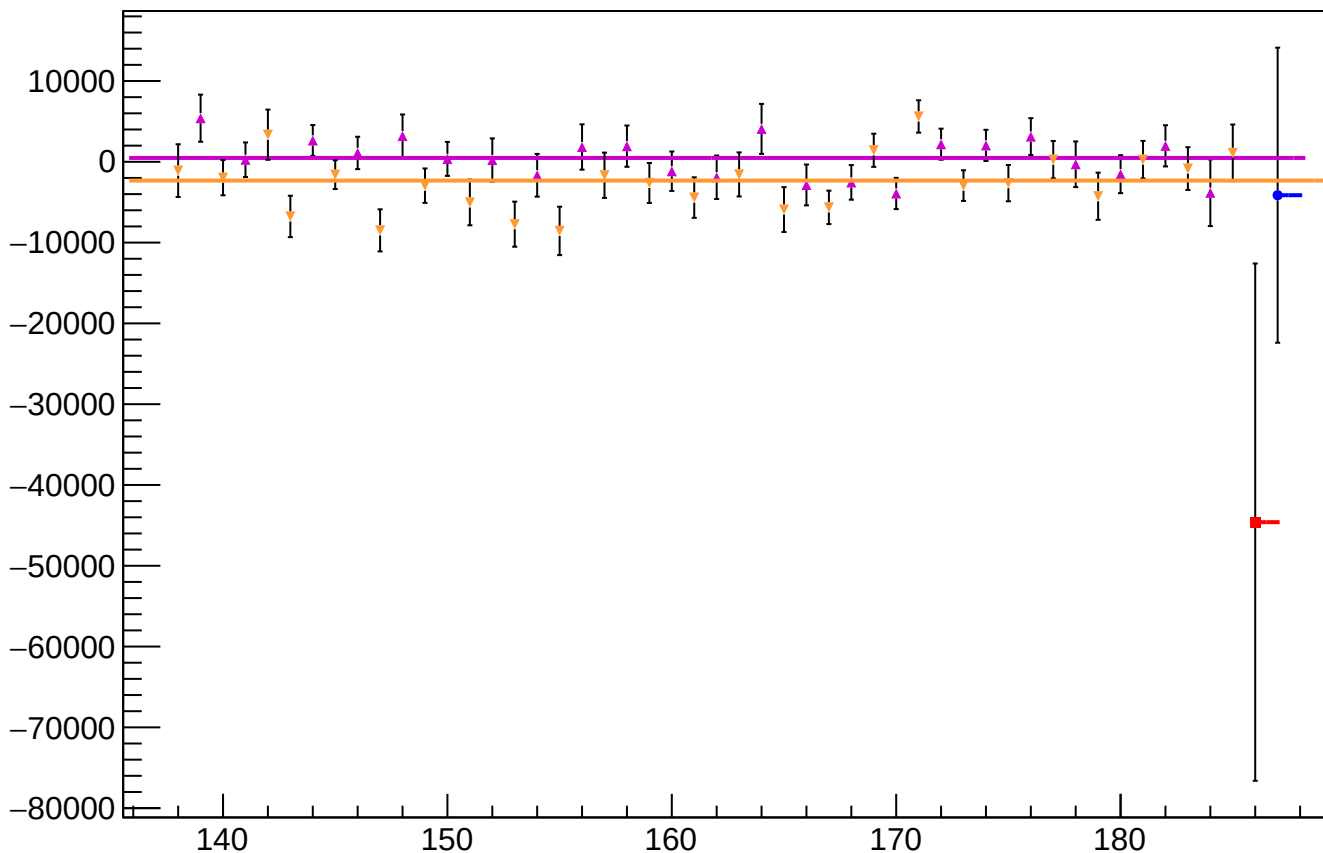
dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 268.143 $\pm$ 0.074 χ^2 /NDF: 621796.5/17
 Left Out: 302.040 $\pm$ 0.052 χ^2 /NDF:1597233.8/24
 Right Out: 257.993 $\pm$ 0.070 χ^2 /NDF: 1238851.8/19
 Left In: 309.609 $\pm$ 0.054 χ^2 /NDF:1180280.8/22

Left: 305.672 $\pm$ 0.037 χ^2 /NDF: 2787857.1/47
 Right: 262.785 $\pm$ 0.051 χ^2 /NDF: 1870508.6/37
 In: 295.380 $\pm$ 0.044 χ^2 /NDF:2006858.7/40
 Out: 286.617 $\pm$ 0.042 χ^2 /NDF:3091690.4/44
 All: 290.798 $\pm$ 0.030 χ^2 /NDF: 5119767.2/85

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -4133.956 $\pm$ 18260.346 χ^2 /NDF: 0.0/0

Left Out: -2325.488 $\pm$ 486.043 χ^2 /NDF:49.8/24

Right Out: -44602.426 $\pm$ 32012.932 χ^2 /NDF: 0.0/0

Left In: 477.779 $\pm$ 494.228 χ^2 /NDF:23.1/22

Left: -947.260 $\pm$ 346.542 χ^2 /NDF: 89.2/47

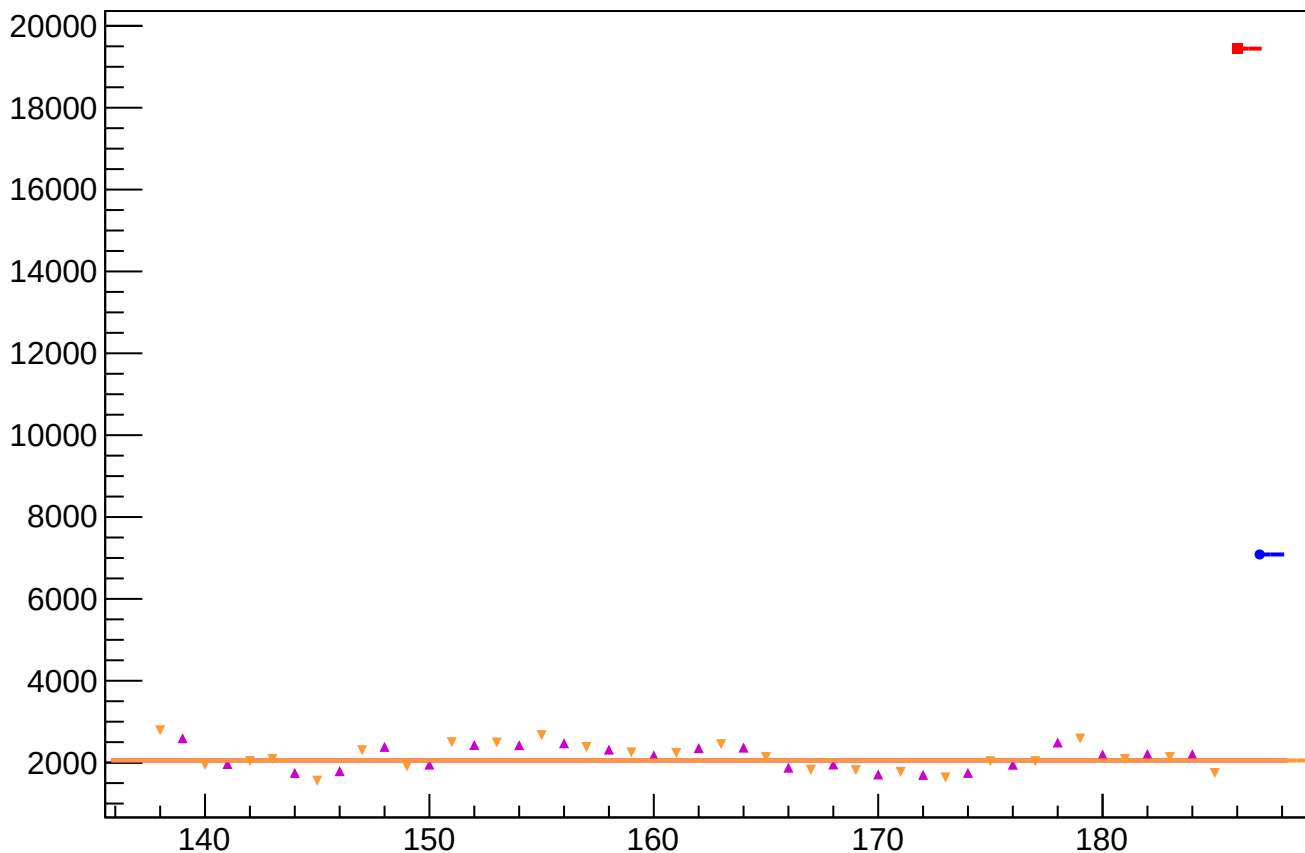
Right: -14068.532 $\pm$ 15861.407 χ^2 /NDF: 1.2/1

In: 474.403 $\pm$ 494.047 χ^2 /NDF:23.1/23

Out: -2335.231 $\pm$ 485.987 χ^2 /NDF:51.6/25

All: -953.520 $\pm$ 346.459 χ^2 /NDF: 91.1/49

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 7085.560+/-12.912 χ^2/NDF : 0.0/0

Left Out: 2052.401+/-0.344 χ^2/NDF : 838023.2/24

Right Out: 19444.421+/-22.637 χ^2/NDF : 0.0/0

Left In: 2052.384+/-0.349 χ^2/NDF : 653872.2/22

Left: 2052.392+/-0.245 χ^2/NDF : 1491895.3/47

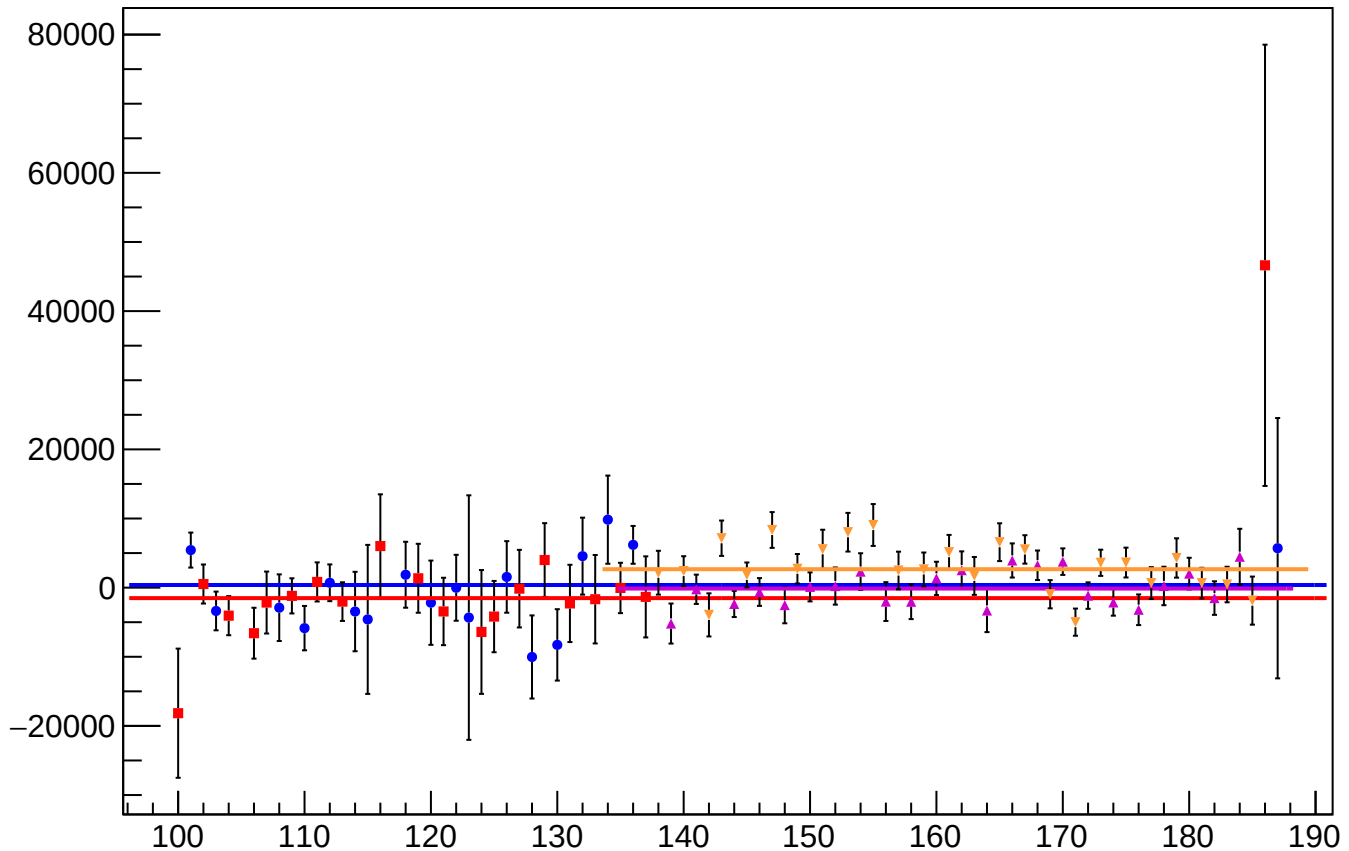
Right: 10119.528+/-11.216 χ^2/NDF : 224906.2/1

In: 2056.068+/-0.349 χ^2/NDF : 805709.4/23

Out: 2056.409+/-0.344 χ^2/NDF : 1428195.8/25

All: 2056.241+/-0.245 χ^2/NDF : 2233905.7/49

asym_sam4_mean vs Slug, Sign Corrected



Right In: 381.247 $\pm$ 991.104 χ^2/NDF : 24.3/17

Left Out: 2667.050 $\pm$ 480.963 χ^2/NDF : 50.0/24

Right Out: -1517.038 $\pm$ 923.616 χ^2/NDF : 12.8/19

Left In: -132.307 $\pm$ 489.752 χ^2/NDF : 24.7/22

Left: 1292.715 $\pm$ 343.157 χ^2/NDF : 91.3/47

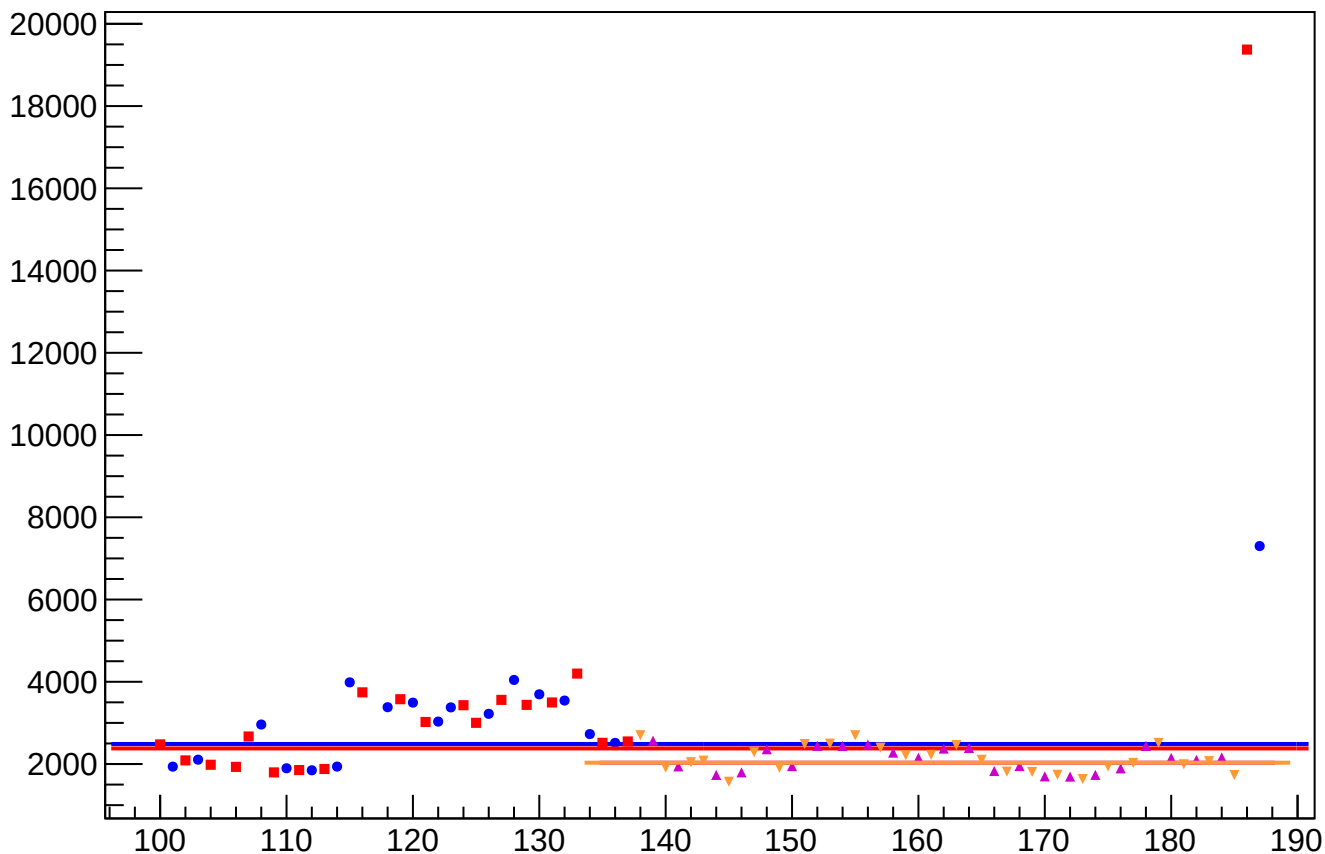
Right: -634.722 $\pm$ 675.695 χ^2/NDF : 39.0/37

In: -31.518 $\pm$ 439.070 χ^2/NDF : 49.2/40

Out: 1774.489 $\pm$ 426.589 χ^2/NDF : 78.9/44

All: 897.519 $\pm$ 305.961 χ^2/NDF : 136.8/85

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2487.762 $\pm$ 0.701 χ^2 /NDF: 1037305.0/17

Left Out: 2032.502 $\pm$ 0.340 χ^2 /NDF: 824418.6/24

Right Out: 2378.751 $\pm$ 0.653 χ^2 /NDF: 1590933.9/19

Left In: 2031.692 $\pm$ 0.346 χ^2 /NDF: 653382.0/22

Left: 2032.104 $\pm$ 0.243 χ^2 /NDF: 1477803.4/47

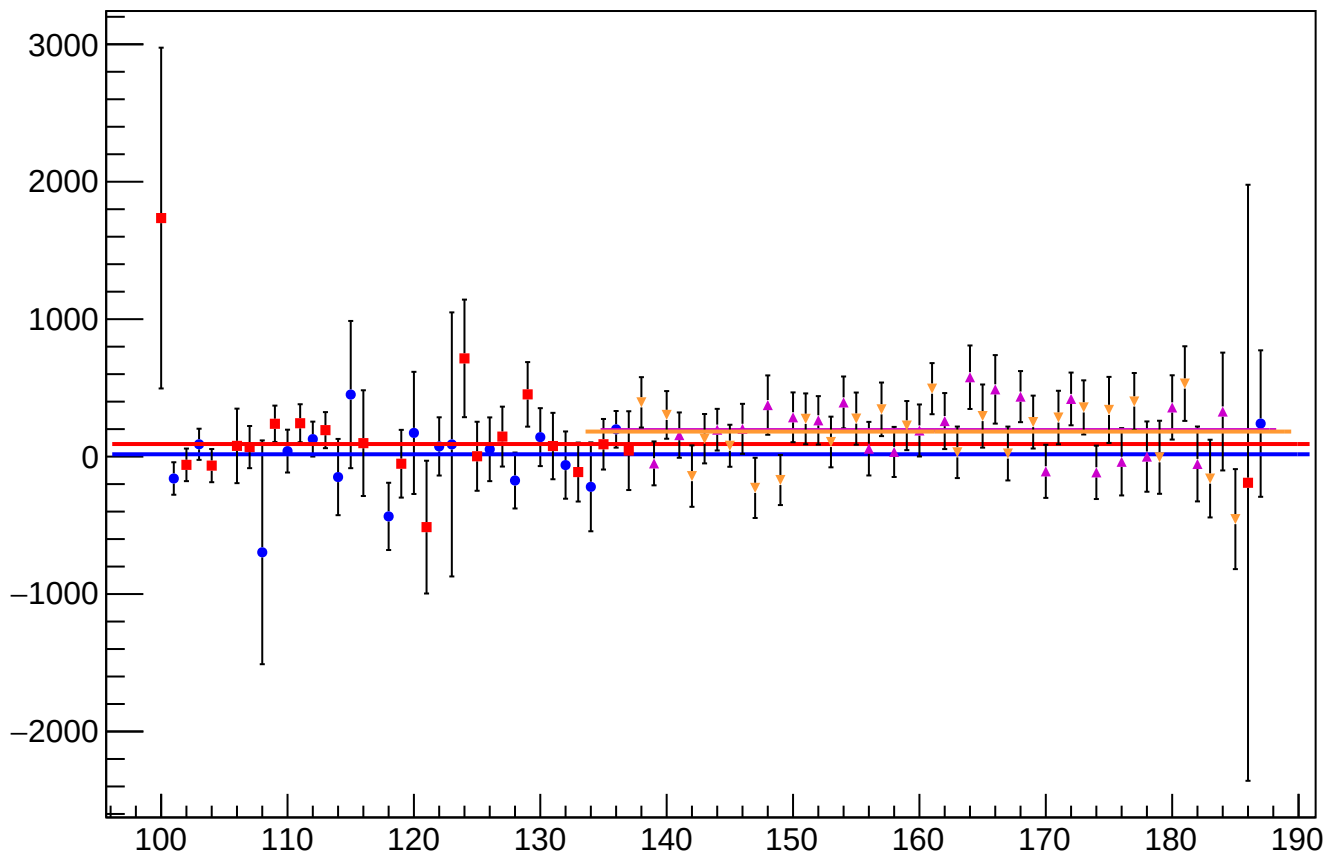
Right: 2429.419 $\pm$ 0.478 χ^2 /NDF: 2641188.2/37

In: 2121.200 $\pm$ 0.310 χ^2 /NDF: 2031071.3/40

Out: 2106.365 $\pm$ 0.302 χ^2 /NDF: 2636469.4/44

All: 2113.569 $\pm$ 0.216 χ^2 /NDF: 4668715.2/85

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 17.000 $\pm$ 46.268 χ^2/NDF : 12.7/17

Left Out: 182.238 $\pm$ 40.102 χ^2/NDF :26.9/24

Right Out: 91.521 $\pm$ 43.310 χ^2/NDF : 15.7/19

Left In: 193.004 $\pm$ 41.384 χ^2/NDF :21.1/22

Left: 187.451 $\pm$ 28.799 χ^2/NDF : 48.0/47

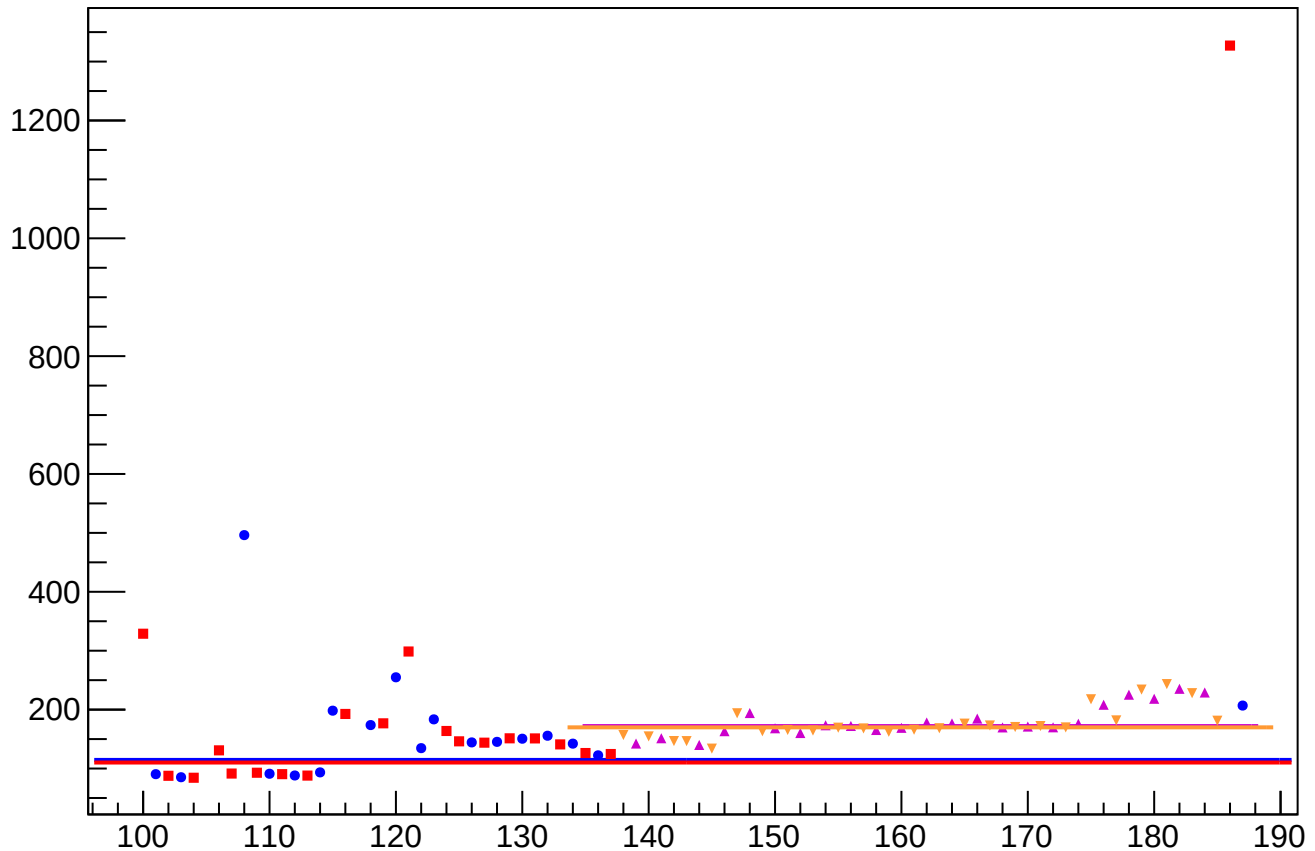
Right: 56.719 $\pm$ 31.619 χ^2/NDF : 29.8/37

In: 114.778 $\pm$ 30.846 χ^2/NDF :41.8/40

Out: 140.363 $\pm$ 29.425 χ^2/NDF :45.0/44

All: 128.173 $\pm$ 21.291 χ^2/NDF : 87.2/85

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 114.632 $\pm$ 0.033 χ^2 /NDF: 1468238.4/17

Left Out: 169.906 $\pm$ 0.028 χ^2 /NDF: 663159.2/24

Right Out: 110.195 $\pm$ 0.031 χ^2 /NDF: 1872252.5/19

Left In: 172.065 $\pm$ 0.029 χ^2 /NDF: 589733.9/22

Left: 170.952 $\pm$ 0.020 χ^2 /NDF: 1255701.2/47

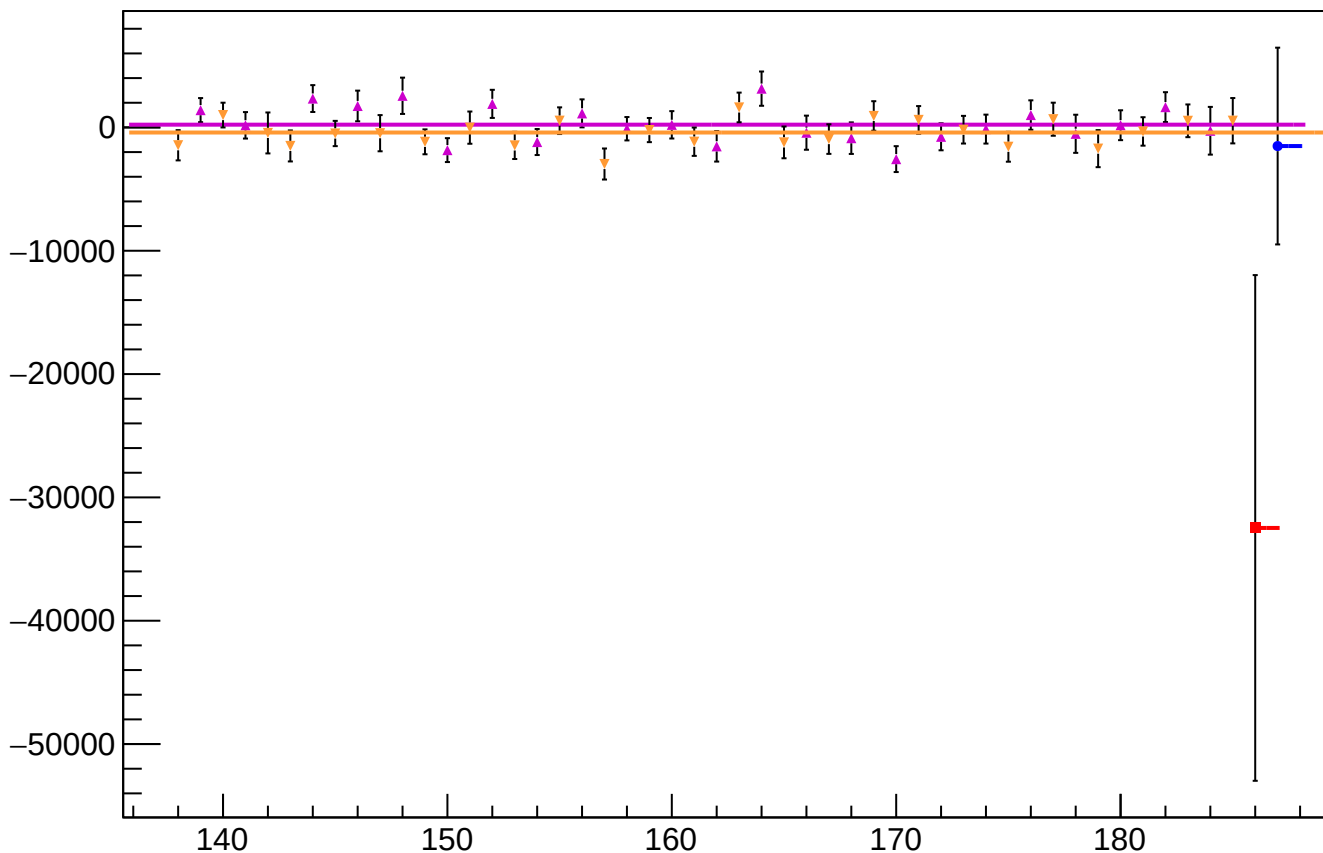
Right: 112.267 $\pm$ 0.022 χ^2 /NDF: 3350295.1/37

In: 146.539 $\pm$ 0.022 χ^2 /NDF: 3769979.5/40

Out: 142.343 $\pm$ 0.021 χ^2 /NDF: 4582197.7/44

All: 144.342 $\pm$ 0.015 χ^2 /NDF: 8371549.1/85

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -1510.577 ± 7977.369 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -412.804 ± 240.278 $\chi^2/\text{NDF}: 19.0/24$

Right Out: -32476.983 ± 20502.790 $\chi^2/\text{NDF}: 0.0/0$

Left In: 223.332 ± 243.771 $\chi^2/\text{NDF}: 36.0/22$

Left: -99.327 ± 171.124 $\chi^2/\text{NDF}: 58.5/47$

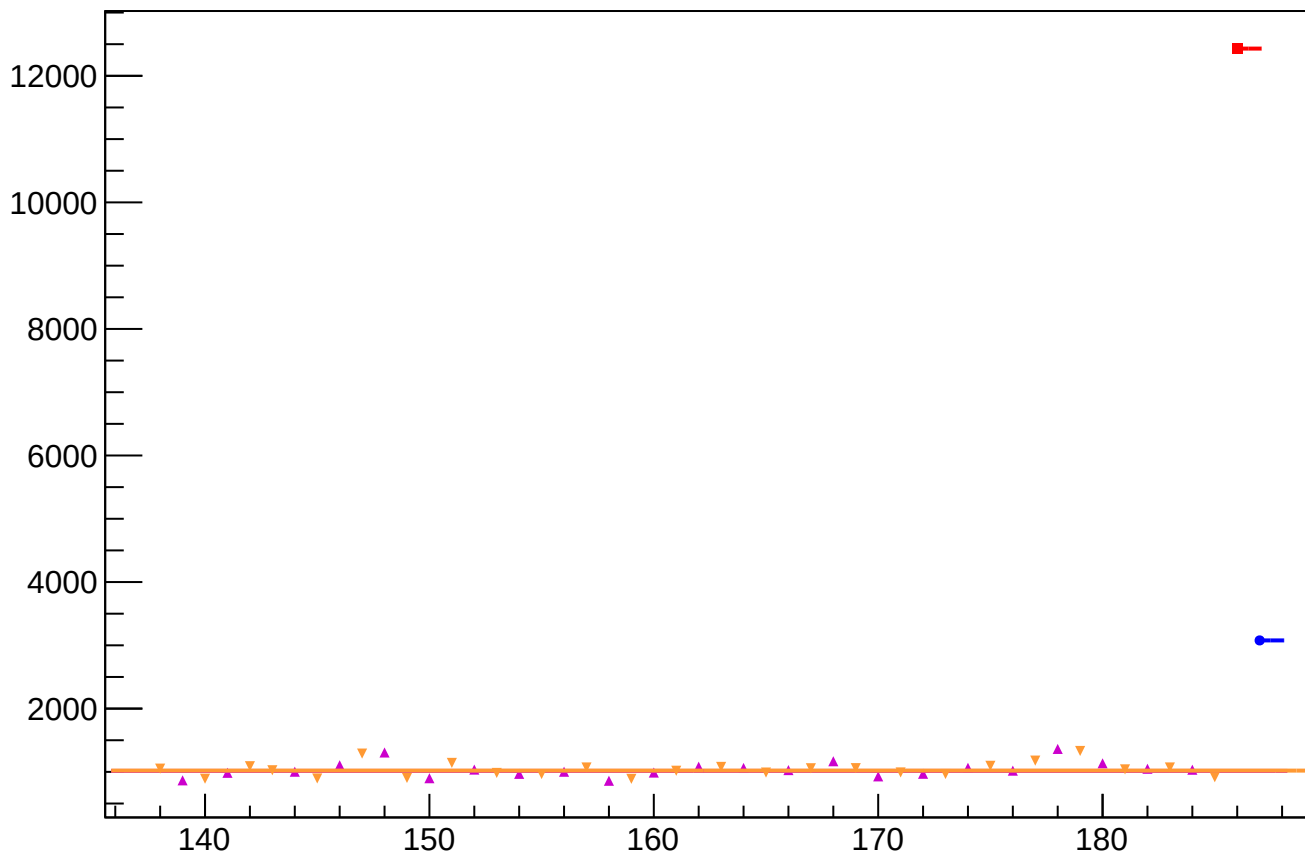
Right: -5582.150 ± 7434.447 $\chi^2/\text{NDF}: 2.0/1$

In: 221.715 ± 243.658 $\chi^2/\text{NDF}: 36.1/23$

Out: -417.207 ± 240.261 $\chi^2/\text{NDF}: 21.5/25$

All: -102.230 ± 171.079 $\chi^2/\text{NDF}: 61.0/49$

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 3077.567+/-5.641 χ^2 /NDF: 0.0/0

Left Out: 1020.149+/-0.170 χ^2 /NDF:369866.7/24

Right Out: 12430.459+/-14.498 χ^2 /NDF: 0.0/0

Left In: 1015.000+/-0.172 χ^2 /NDF:404865.5/22

Left: 1017.611+/-0.121 χ^2 /NDF: 775184.8/47

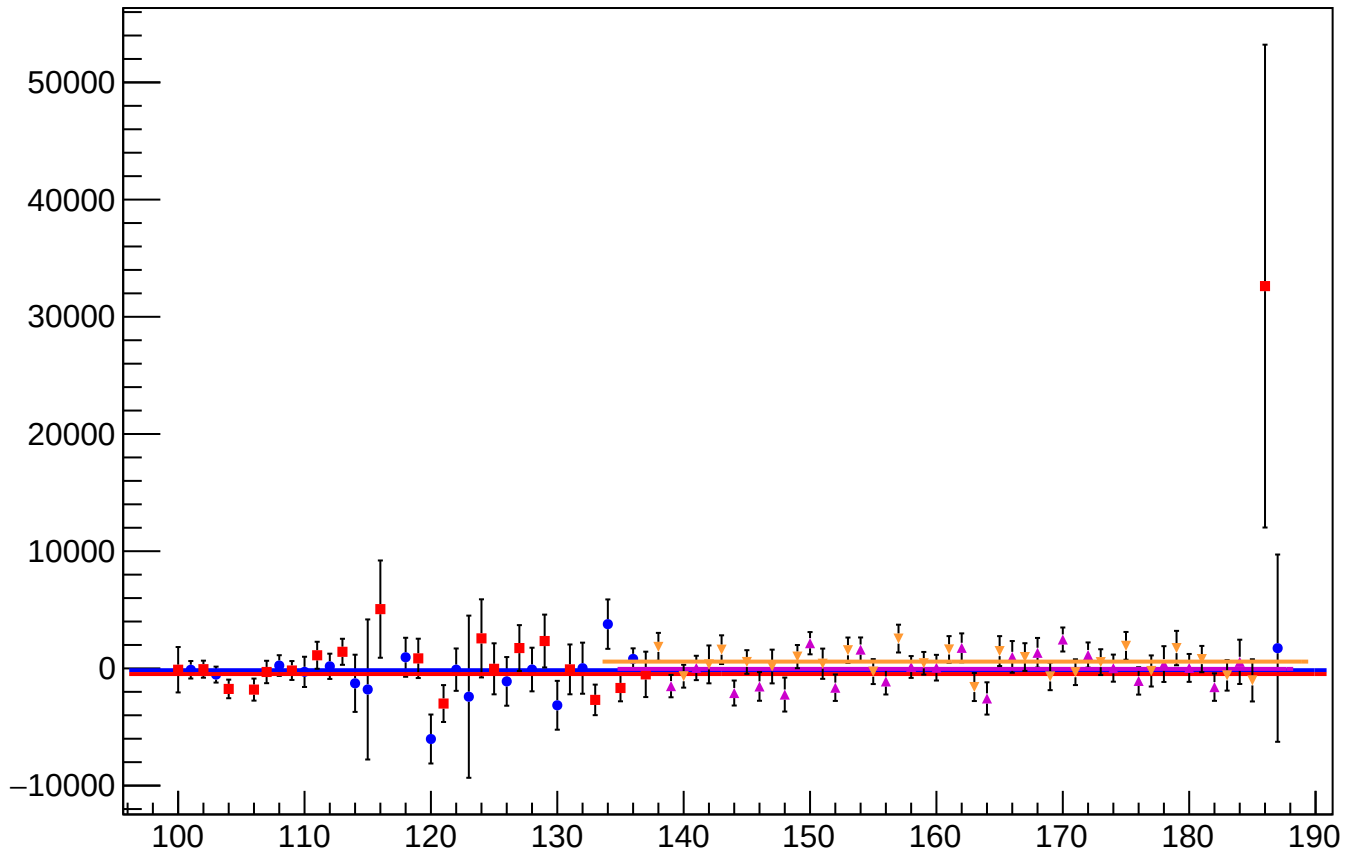
Right: 4307.319+/-5.257 χ^2 /NDF: 361471.4/1

In: 1016.924+/-0.172 χ^2 /NDF:538439.4/23

Out: 1021.716+/-0.170 χ^2 /NDF:989221.3/25

All: 1019.353+/-0.121 χ^2 /NDF: 1528052.9/49

asym_sam5_mean vs Slug, Sign Corrected



Right In: -154.301 ± 312.261 χ^2/NDF : 16.3/17

Left Out: 580.226 ± 235.583 χ^2/NDF : 18.4/24

Right Out: -482.346 ± 282.732 χ^2/NDF : 25.2/19

Left In: -42.397 ± 239.278 χ^2/NDF : 37.9/22

Left: 273.759 ± 167.873 χ^2/NDF : 59.7/47

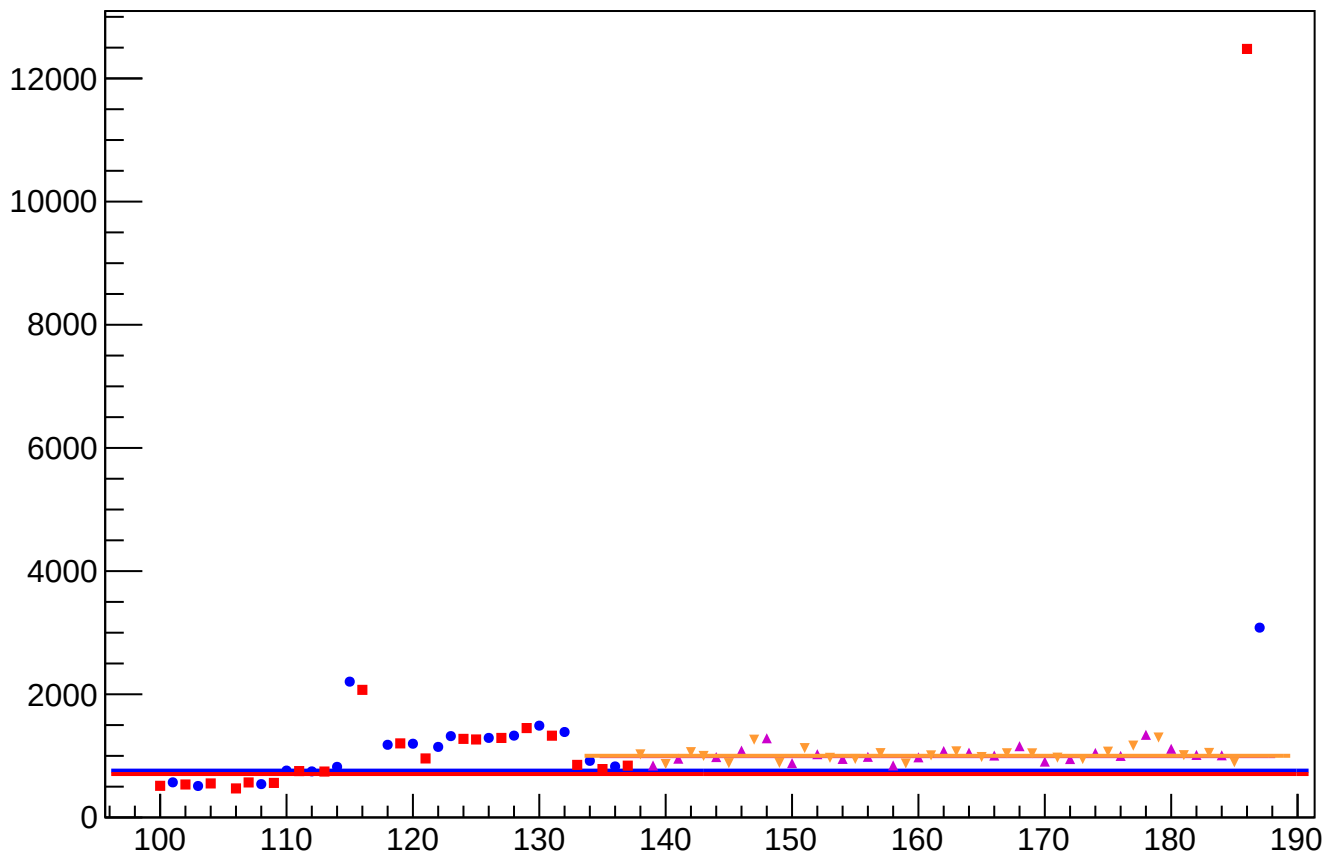
Right: -334.564 ± 209.586 χ^2/NDF : 42.1/37

In: -83.796 ± 189.928 χ^2/NDF : 54.3/40

Out: 144.804 ± 180.988 χ^2/NDF : 51.9/44

All: 36.011 ± 131.025 χ^2/NDF : 107.0/85

asym_sam5_rms vs Slug, Sign Corrected



Right In: 760.536+/-0.221 χ^2/NDF : 1880392.8/17

Left Out: 1001.233+/-0.167 χ^2/NDF : 370278.3/24

Right Out: 704.875+/-0.200 χ^2/NDF : 2343115.9/19

Left In: 995.590+/-0.169 χ^2/NDF : 424434.6/22

Left: 998.455+/-0.119 χ^2/NDF : 795277.7/47

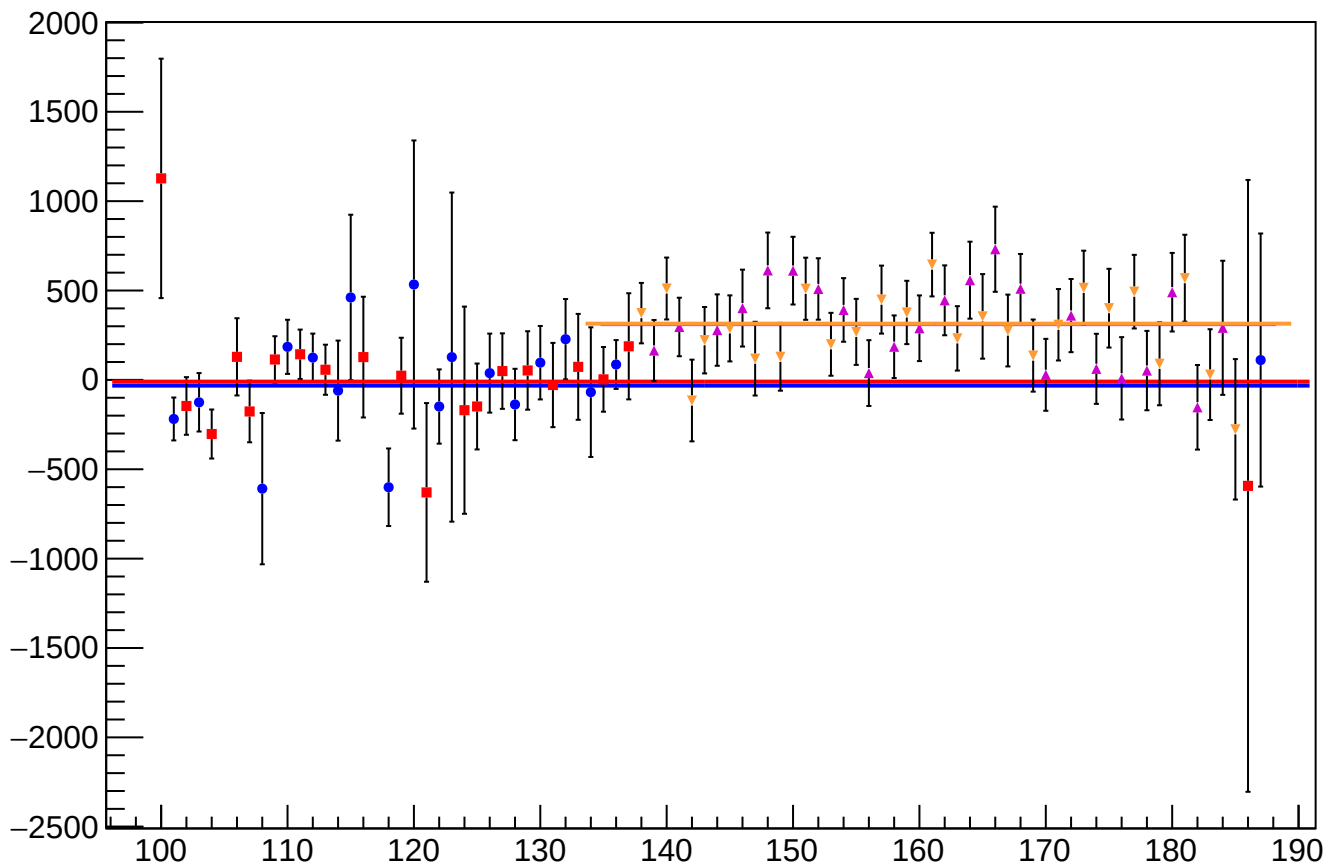
Right: 729.950+/-0.148 χ^2/NDF : 4258429.3/37

In: 908.631+/-0.134 χ^2/NDF : 3018835.4/40

Out: 879.791+/-0.128 χ^2/NDF : 4010358.2/44

All: 893.516+/-0.093 χ^2/NDF : 7053363.0/85

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.024 ± 48.318 χ^2/NDF : 19.8/17

Left Out: 314.517 ± 39.818 χ^2/NDF : 21.4/24

Right Out: -9.690 ± 45.583 χ^2/NDF : 14.8/19

Left In: 312.097 ± 41.646 χ^2/NDF : 26.9/22

Left: 313.361 ± 28.780 χ^2/NDF : 48.3/47

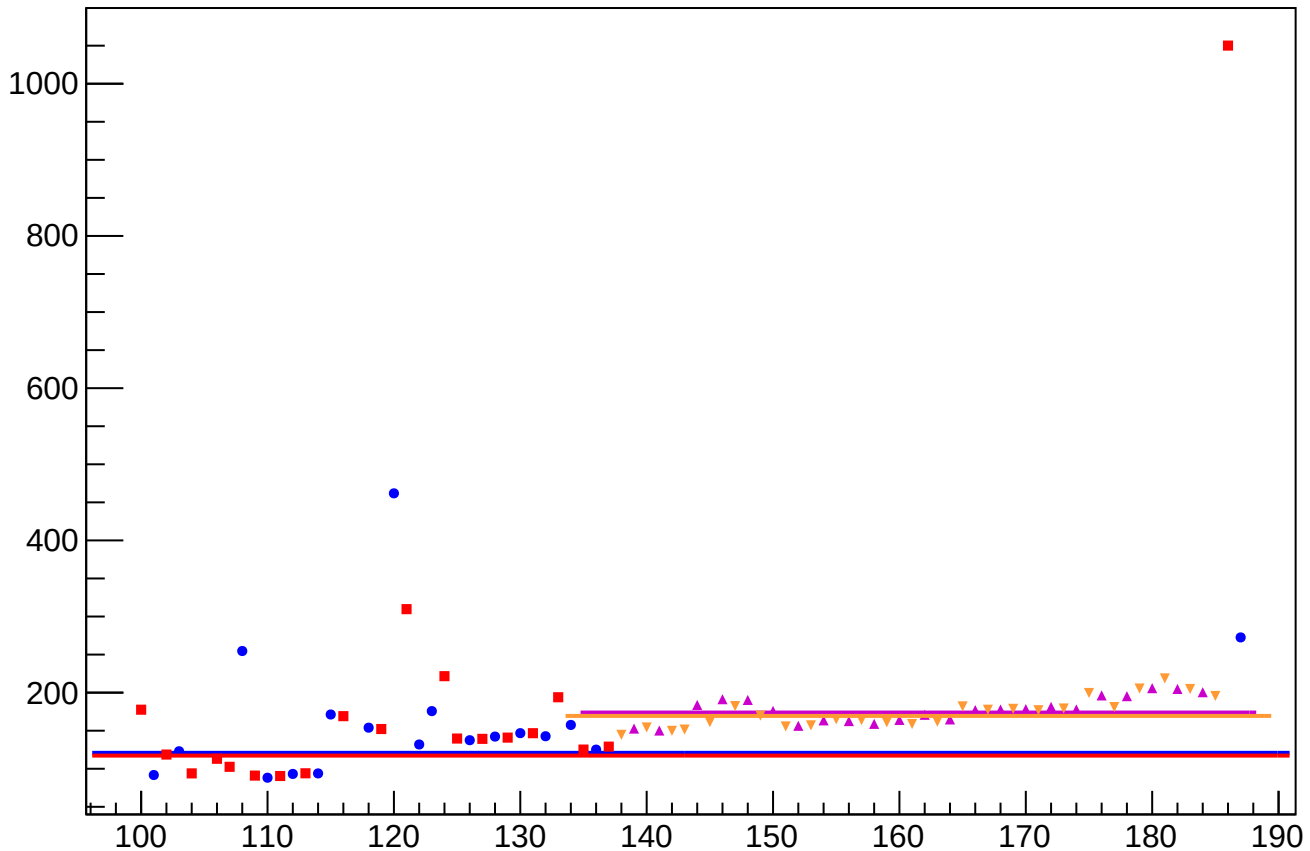
Right: -20.207 ± 33.157 χ^2/NDF : 34.7/37

In: 165.421 ± 31.545 χ^2/NDF : 75.8/40

Out: 174.202 ± 29.988 χ^2/NDF : 64.9/44

All: 170.034 ± 21.734 χ^2/NDF : 140.7/85

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.916 ± 0.034 $\chi^2/\text{NDF}: 1154486.5/17$

Left Out: 169.432 ± 0.028 $\chi^2/\text{NDF}: 386461.5/24$

Right Out: 117.280 ± 0.032 $\chi^2/\text{NDF}: 1592439.0/19$

Left In: 173.847 ± 0.029 $\chi^2/\text{NDF}: 291729.8/22$

Left: 171.540 ± 0.020 $\chi^2/\text{NDF}: 689934.9/47$

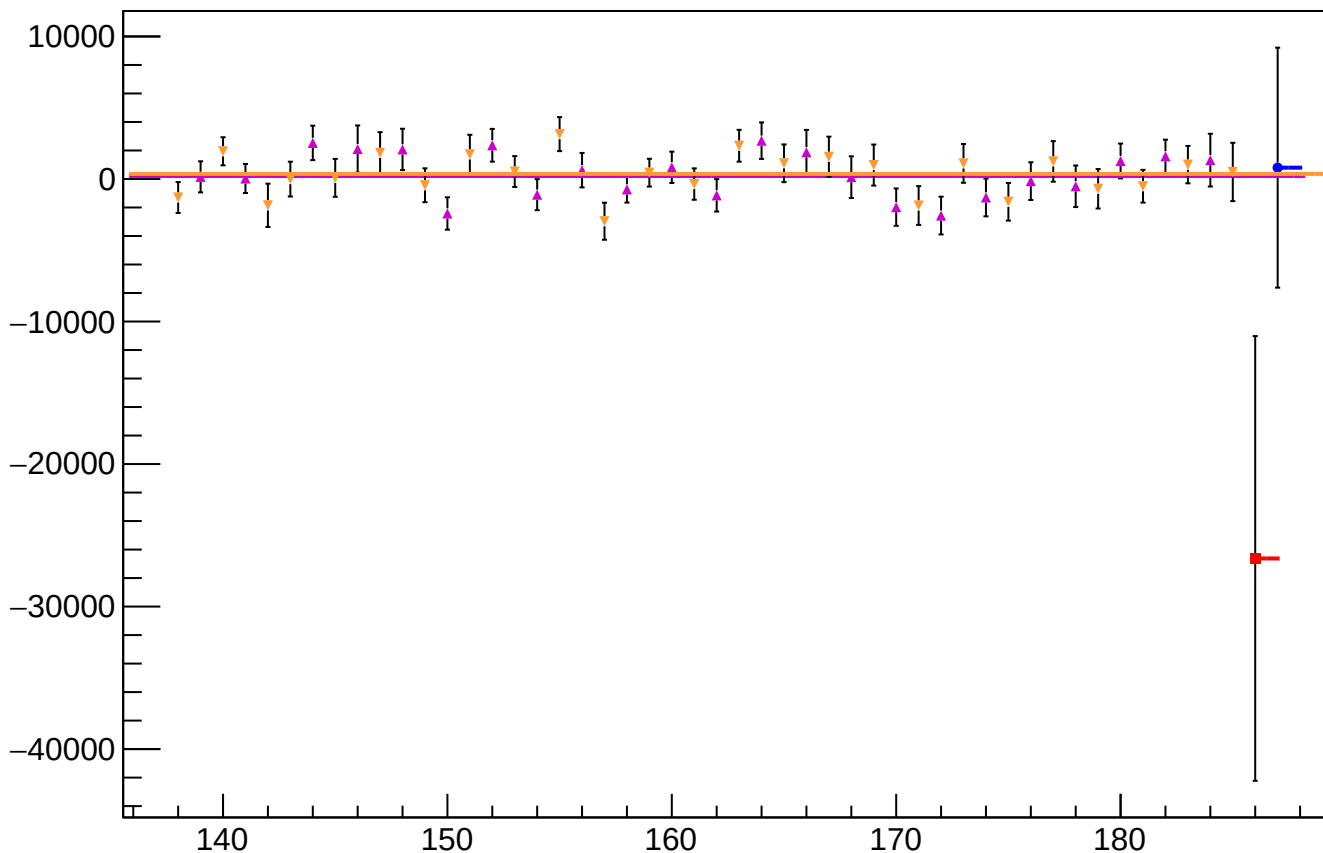
Right: 118.992 ± 0.023 $\chi^2/\text{NDF}: 2752918.1/37$

In: 151.286 ± 0.022 $\chi^2/\text{NDF}: 2823278.8/40$

Out: 146.861 ± 0.021 $\chi^2/\text{NDF}: 3463778.3/44$

All: 148.961 ± 0.015 $\chi^2/\text{NDF}: 6307730.2/85$

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 794.612 $\pm$ 8418.796 χ^2 /NDF: 0.0/0

Left Out: 356.612 $\pm$ 250.934 χ^2 /NDF:33.4/24

Right Out: -26623.508 $\pm$ 15600.330 χ^2 /NDF: 0.0/0

Left In: 212.007 $\pm$ 257.383 χ^2 /NDF:36.0/22

Left: 286.144 $\pm$ 179.674 χ^2 /NDF: 69.6/47

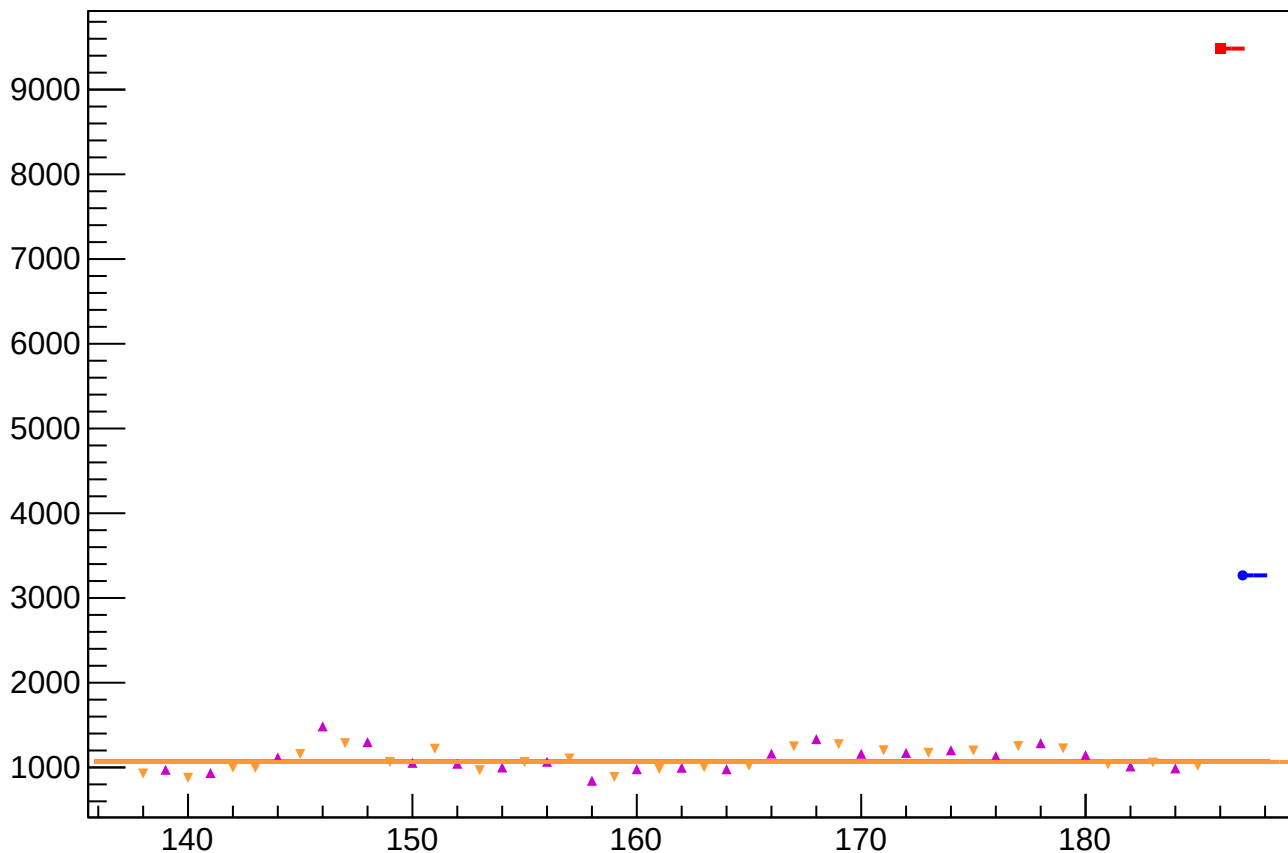
Right: -5389.357 $\pm$ 7408.813 χ^2 /NDF: 2.4/1

In: 212.551 $\pm$ 257.263 χ^2 /NDF:36.1/23

Out: 349.633 $\pm$ 250.902 χ^2 /NDF:36.3/25

All: 282.808 $\pm$ 179.621 χ^2 /NDF: 72.5/49

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 3266.788+/-5.953 χ^2 /NDF: 0.0/0

Left Out: 1064.868+/-0.177 χ^2 /NDF:493614.2/24

Right Out: 9483.682+/-11.031 χ^2 /NDF: 0.0/0

Left In: 1070.694+/-0.182 χ^2 /NDF:570407.8/22

Left: 1067.707+/-0.127 χ^2 /NDF: 1064547.2/47

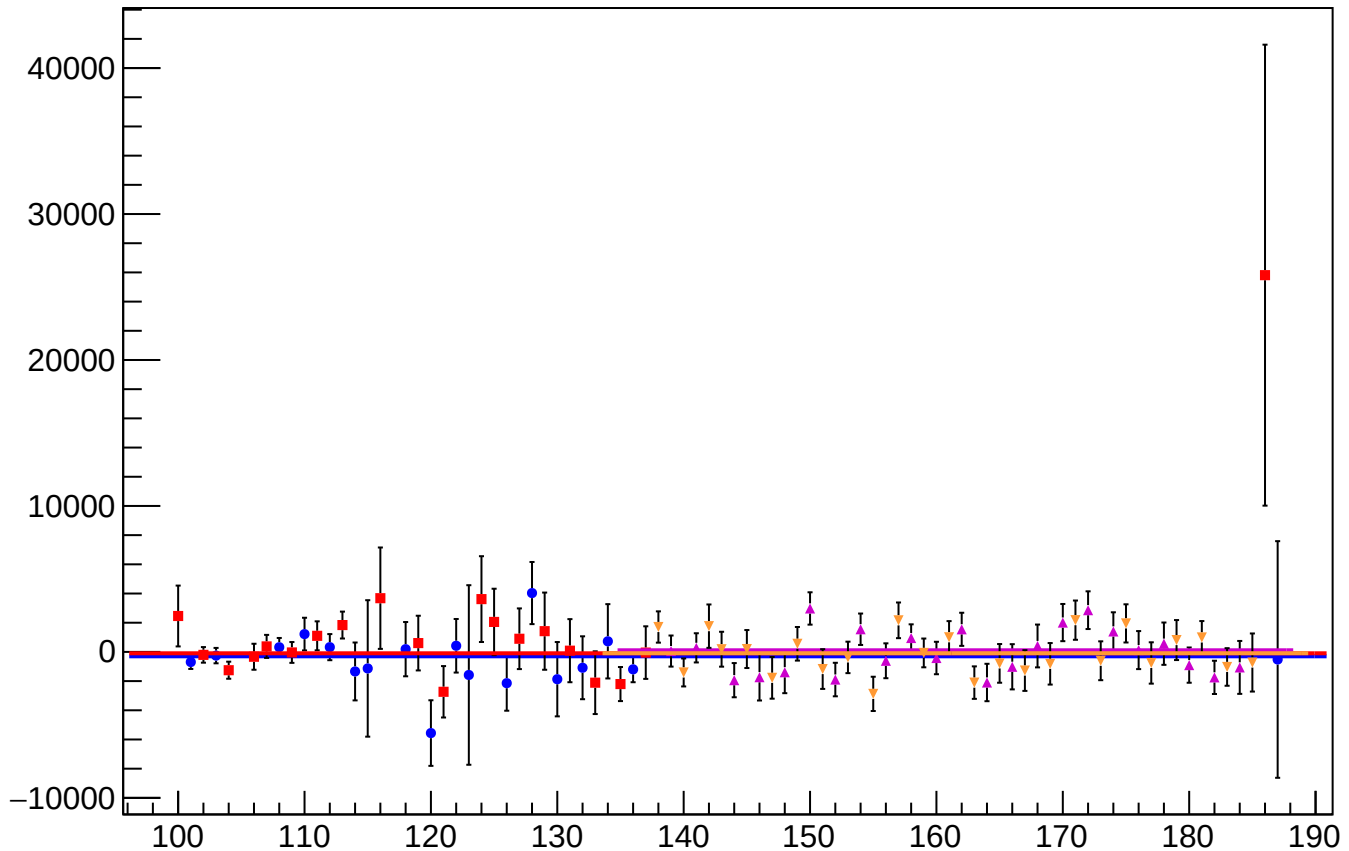
Right: 4668.966+/-5.239 χ^2 /NDF: 245983.8/1

In: 1072.744+/-0.182 χ^2 /NDF:706372.6/23

Out: 1067.046+/-0.177 χ^2 /NDF:1075920.9/25

All: 1069.824+/-0.127 χ^2 /NDF: 1782796.4/49

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.207+/-249.924 χ^2/NDF : 16.8/17

Left Out: -89.632+/-247.271 χ^2/NDF : 31.0/24

Right Out: -94.571+/-245.951 χ^2/NDF : 25.2/19

Left In: 110.879+/-254.337 χ^2/NDF : 35.2/22

Left: 7.800+/-177.292 χ^2/NDF : 66.4/47

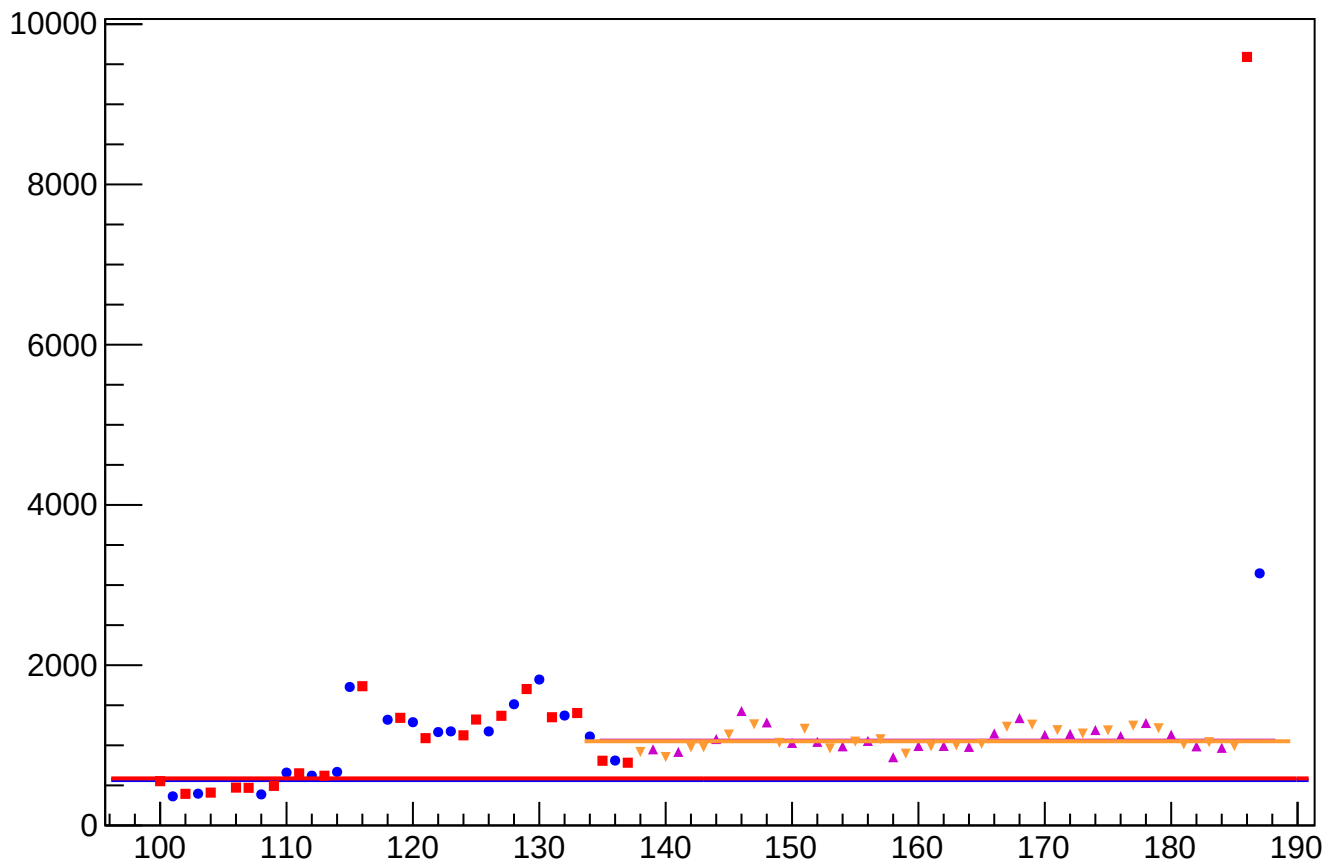
Right: -196.234+/-175.301 χ^2/NDF : 42.4/37

In: -98.770+/-178.263 χ^2/NDF : 53.3/40

Out: -92.115+/-174.378 χ^2/NDF : 56.2/44

All: -95.369+/-124.655 χ^2/NDF : 109.5/85

asym_sam6_rms vs Slug, Sign Corrected



Right In: 566.458+/-0.177 χ^2/NDF : 3464253.3/17

Left Out: 1050.918+/-0.175 χ^2/NDF : 483477.5/24

Right Out: 587.254+/-0.174 χ^2/NDF : 3471254.0/19

Left In: 1058.154+/-0.180 χ^2/NDF : 532260.0/22

Left: 1054.434+/-0.125 χ^2/NDF : 1016569.7/47

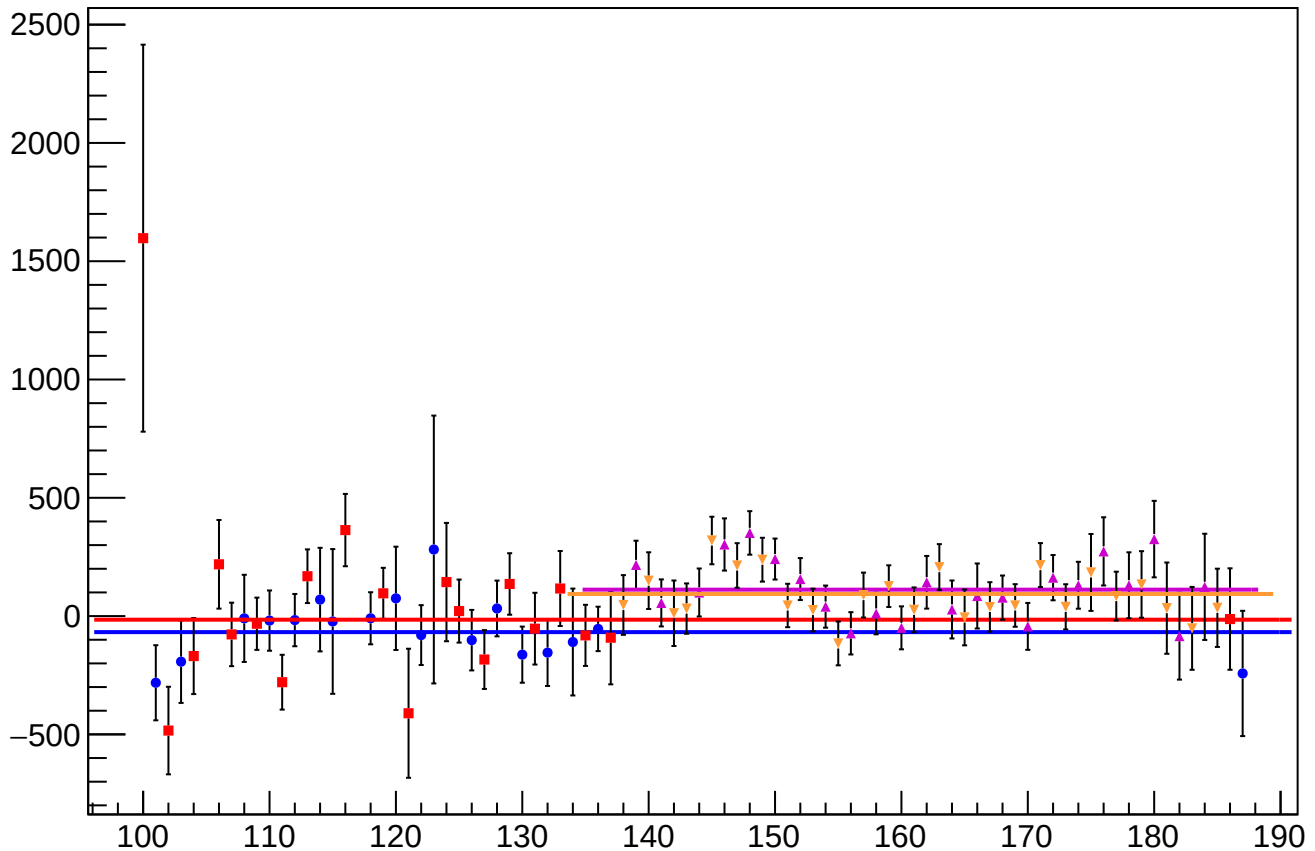
Right: 577.023+/-0.124 χ^2/NDF : 6942542.3/37

In: 808.002+/-0.126 χ^2/NDF : 7799362.3/40

Out: 817.846+/-0.123 χ^2/NDF : 7489643.5/44

All: 813.032+/-0.088 χ^2/NDF : 15292121.9/85

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -67.786 $\pm$ 34.337 χ^2/NDF : 6.6/17

Left Out: 93.496 $\pm$ 21.284 χ^2/NDF :22.8/24

Right Out: -15.228 $\pm$ 33.023 χ^2/NDF : 35.0/19

Left In: 111.732 $\pm$ 21.971 χ^2/NDF :30.7/22

Left: 102.325 $\pm$ 15.287 χ^2/NDF : 53.8/47

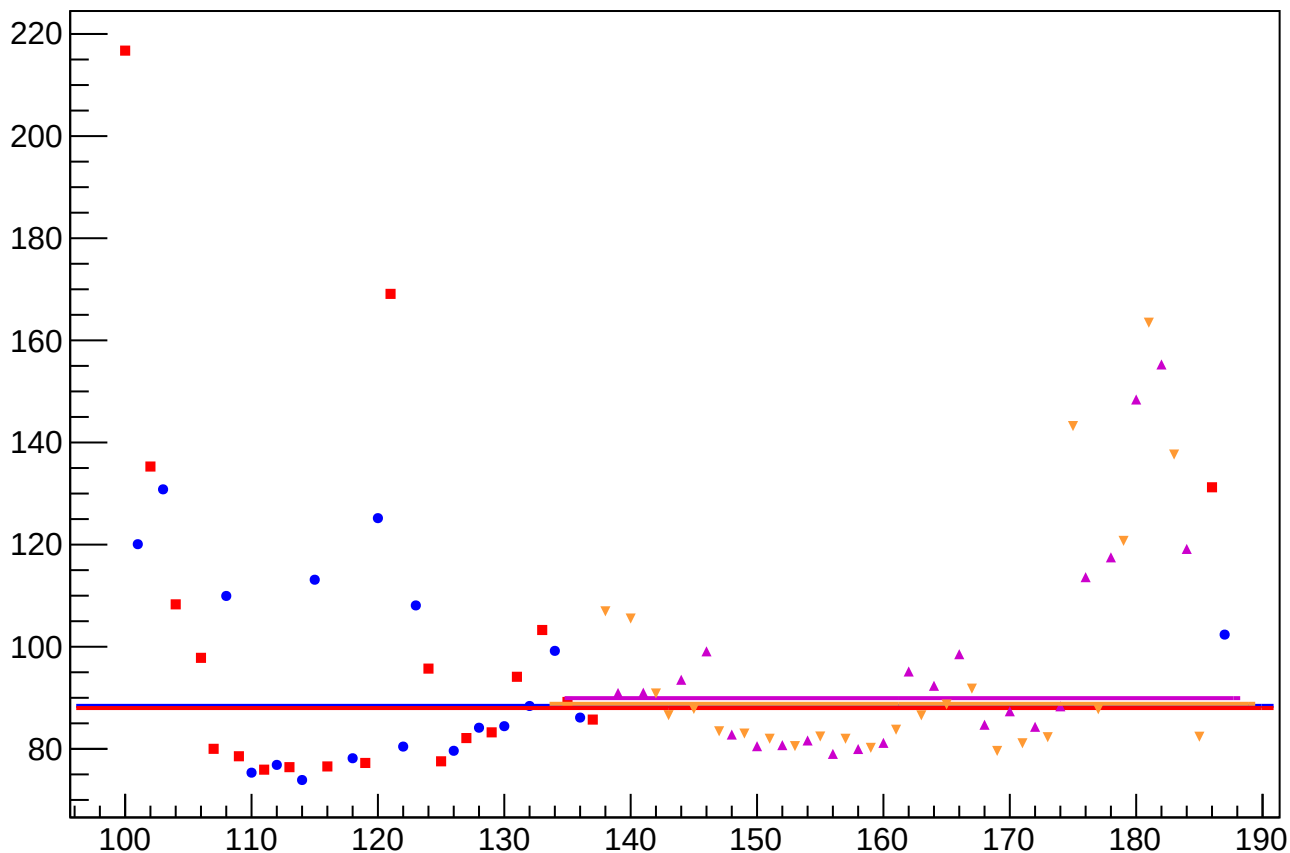
Right: -40.482 $\pm$ 23.802 χ^2/NDF : 42.8/37

In: 59.584 $\pm$ 18.507 χ^2/NDF :56.7/40

Out: 61.586 $\pm$ 17.890 χ^2/NDF :65.4/44

All: 60.619 $\pm$ 12.863 χ^2/NDF : 122.1/85

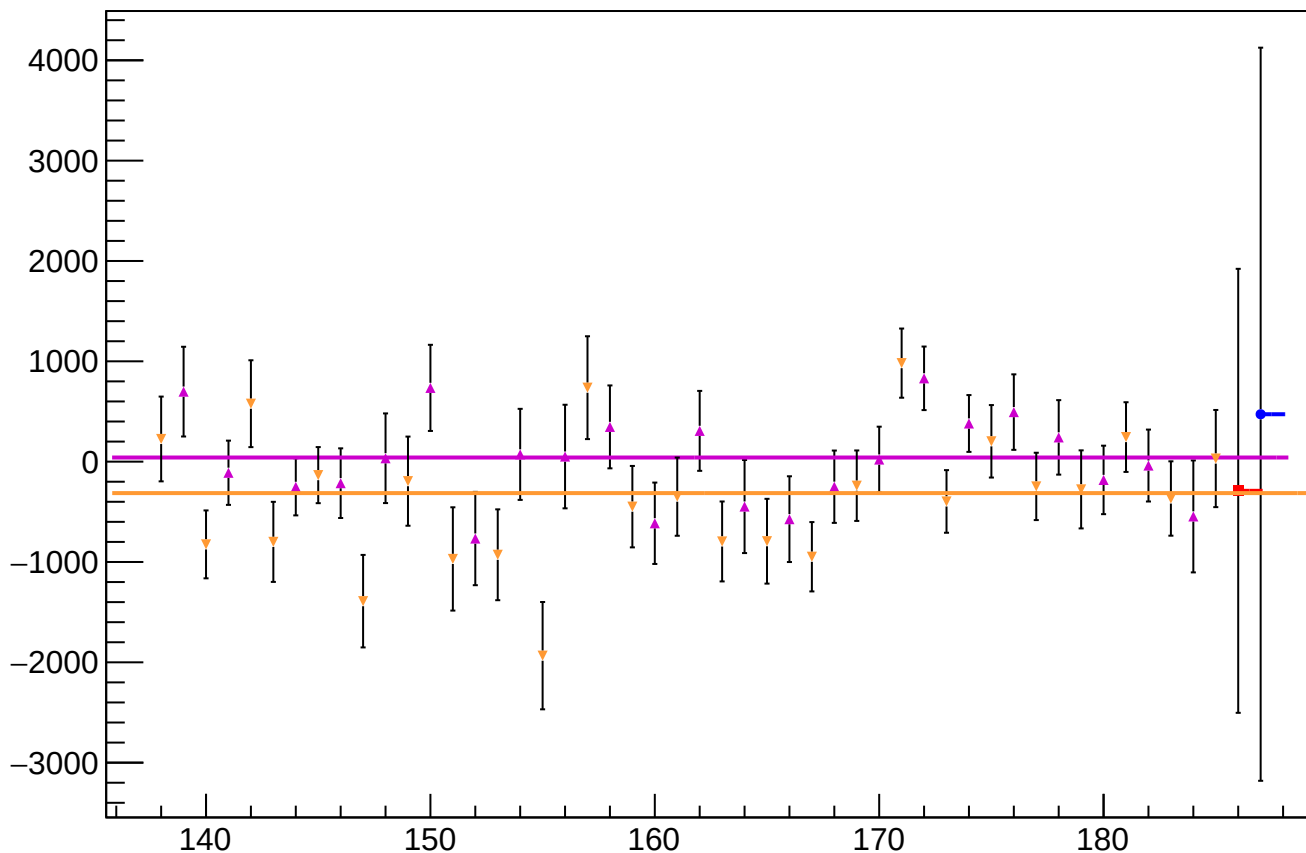
dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 88.425+/-0.024 χ^2/NDF : 400098.4/17
 Left Out: 88.830+/-0.015 χ^2/NDF : 1000651.2/24
 Right Out: 87.993+/-0.023 χ^2/NDF : 614613.3/19
 Left In: 89.934+/-0.016 χ^2/NDF : 874129.5/22

Left: 89.364+/-0.011 χ^2/NDF : 1877387.2/47
 Right: 88.200+/-0.017 χ^2/NDF : 1014876.1/37
 In: 89.496+/-0.013 χ^2/NDF : 1276969.2/40
 Out: 88.584+/-0.013 χ^2/NDF : 1616171.9/44
 All: 89.024+/-0.009 χ^2/NDF : 2895649.1/85

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: 472.552 $\pm$ 3653.348 χ^2 /NDF: 0.0/0

Left Out: -313.446 $\pm$ 77.334 χ^2 /NDF:58.1/24

Right Out: -290.825 $\pm$ 2212.576 χ^2 /NDF: 0.0/0

Left In: 41.244 $\pm$ 78.858 χ^2 /NDF:28.0/22

Left: -139.560 $\pm$ 55.214 χ^2 /NDF: 96.4/47

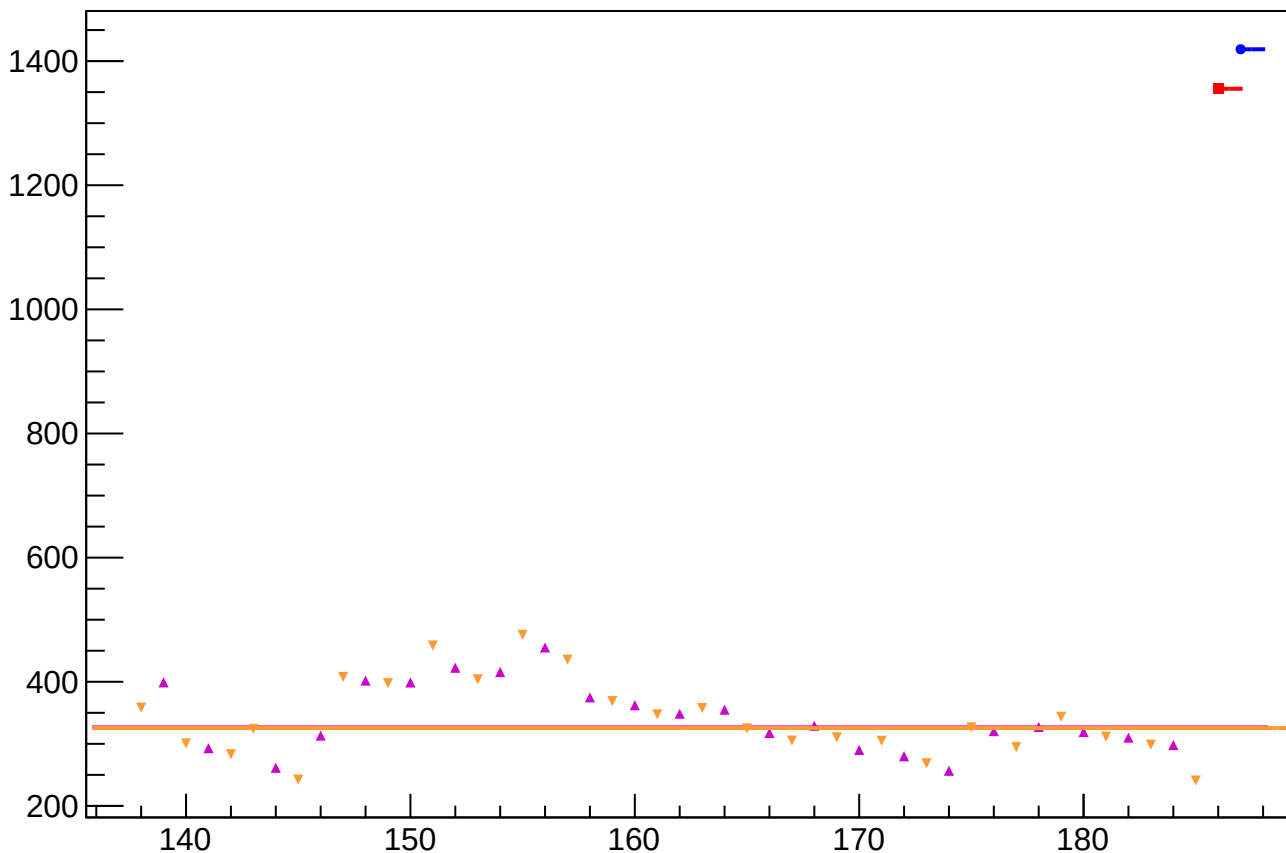
Right: -85.967 $\pm$ 1892.552 χ^2 /NDF: 0.0/1

In: 41.444 $\pm$ 78.839 χ^2 /NDF:28.0/23

Out: -313.419 $\pm$ 77.287 χ^2 /NDF:58.1/25

All: -139.515 $\pm$ 55.191 χ^2 /NDF: 96.5/49

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 1419.047 $\pm$ 2.583 χ^2 /NDF: 0.0/0

Left Out: 325.432 $\pm$ 0.055 χ^2 /NDF:1000974.7/24

Right Out: 1355.373 $\pm$ 1.565 χ^2 /NDF: 0.0/0

Left In: 326.516 $\pm$ 0.056 χ^2 /NDF:841153.2/22

Left: 325.964 $\pm$ 0.039 χ^2 /NDF: 1842320.6/47

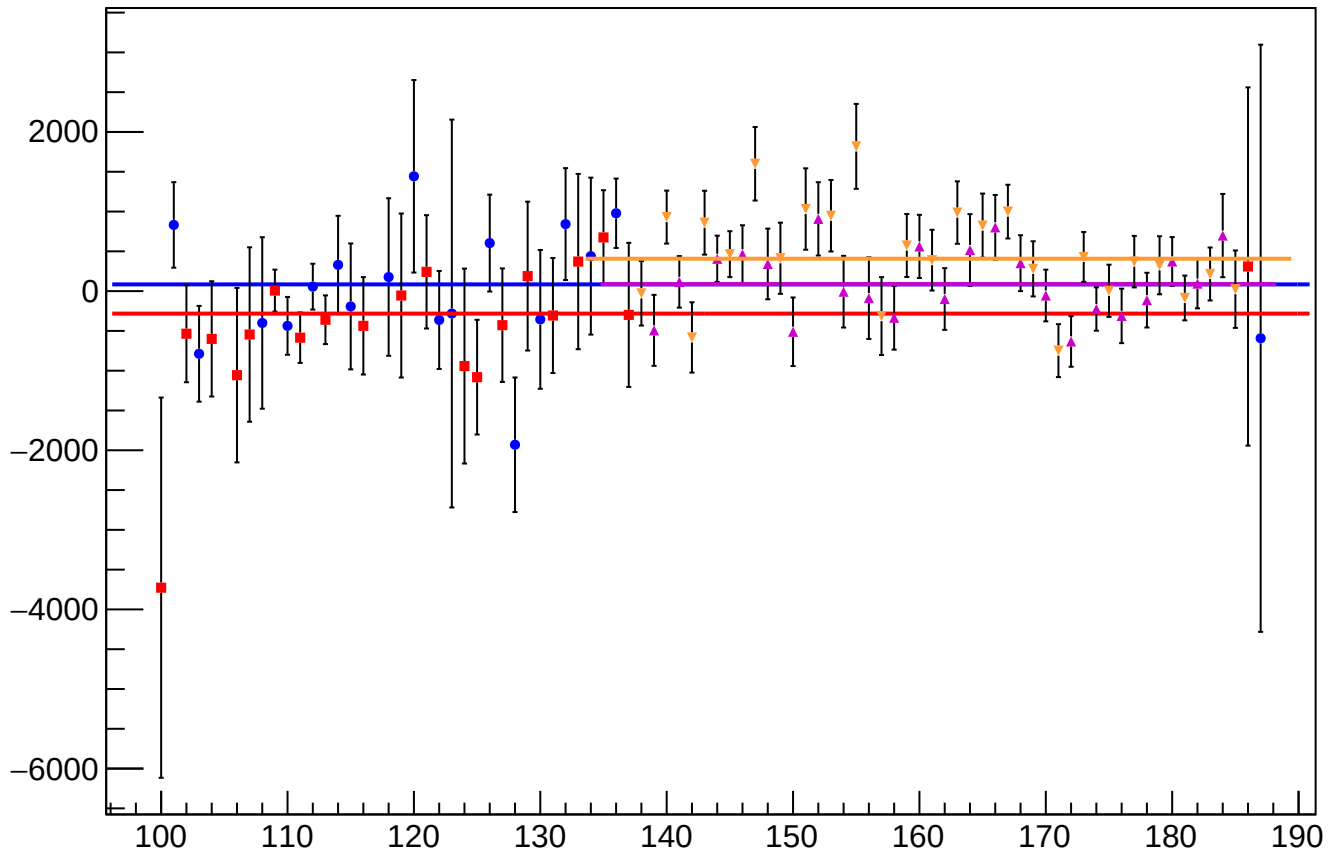
Right: 1372.461 $\pm$ 1.338 χ^2 /NDF: 444.5/1

In: 327.025 $\pm$ 0.056 χ^2 /NDF:1019930.7/23

Out: 326.689 $\pm$ 0.055 χ^2 /NDF:1433815.6/25

All: 326.854 $\pm$ 0.039 χ^2 /NDF: 2453764.9/49

asym_sam7_mean vs Slug, Sign Corrected



Right In: 84.798 ± 142.494 χ^2/NDF : 20.6/17

Left Out: 407.375 ± 74.730 χ^2/NDF : 53.0/24

Right Out: -282.494 ± 129.385 χ^2/NDF : 10.7/19

Left In: 87.657 ± 76.572 χ^2/NDF : 27.4/22

Left: 251.406 ± 53.481 χ^2/NDF : 89.4/47

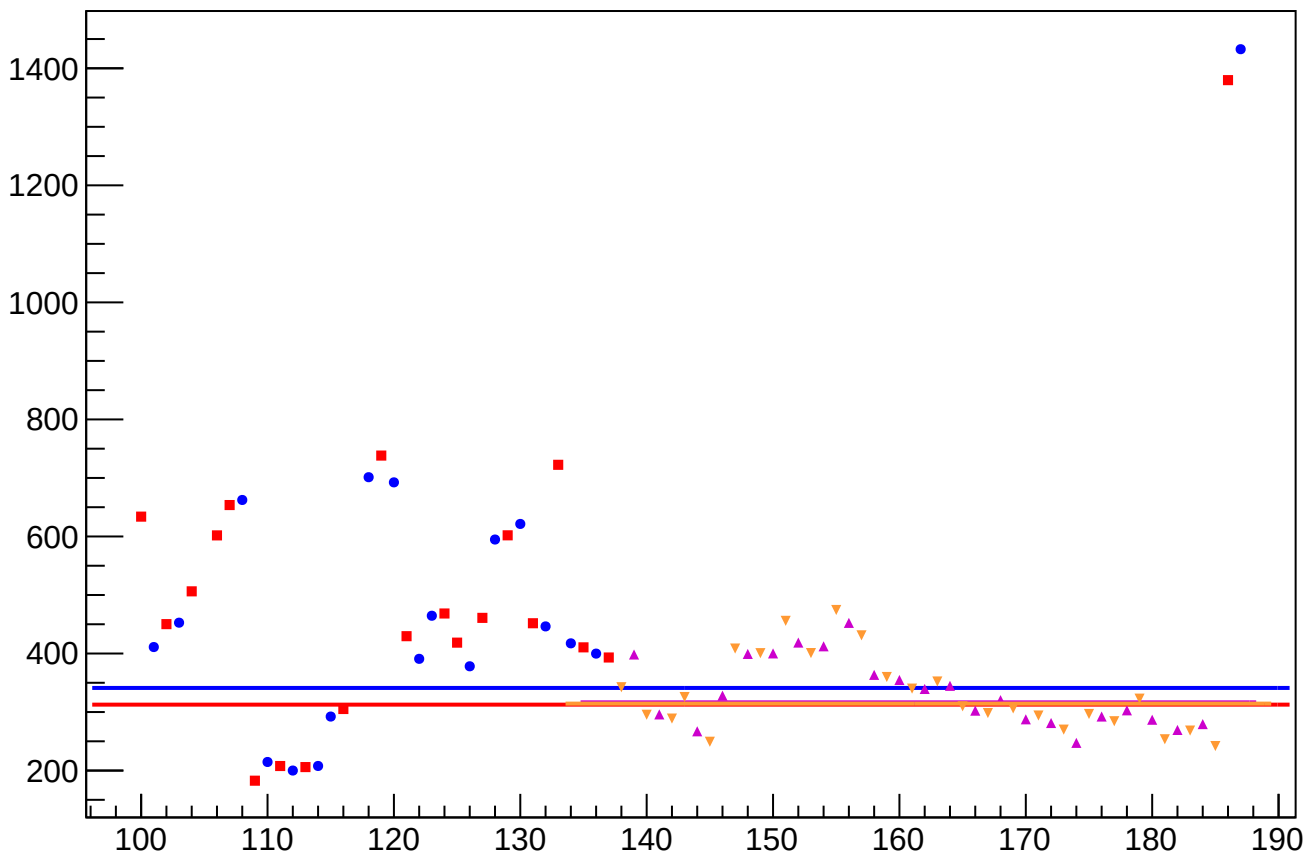
Right: -116.517 ± 95.789 χ^2/NDF : 34.9/37

In: 87.016 ± 67.450 χ^2/NDF : 48.0/40

Out: 234.803 ± 64.712 χ^2/NDF : 85.0/44

All: 163.970 ± 46.696 χ^2/NDF : 135.5/85

asym_sam7_rms vs Slug, Sign Corrected



Right In: 341.183+/-0.101 χ^2/NDF : 2217539.0/17

Left Out: 314.405+/-0.053 χ^2/NDF : 1112244.9/24

Right Out: 312.642+/-0.091 χ^2/NDF : 3181247.6/19

Left In: 316.616+/-0.054 χ^2/NDF : 929652.0/22

Left: 315.484+/-0.038 χ^2/NDF : 2042751.4/47

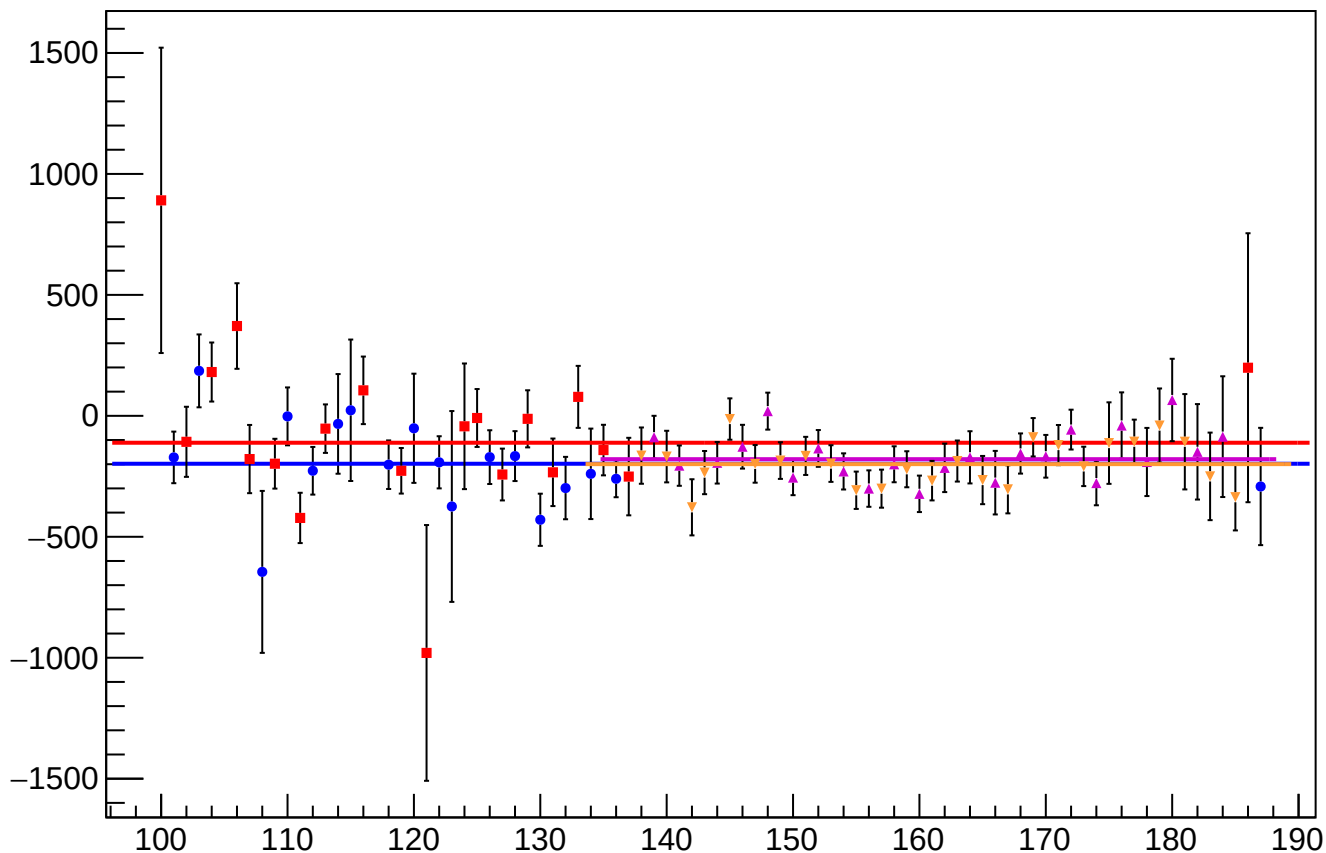
Right: 325.540+/-0.068 χ^2/NDF : 5442765.1/37

In: 322.121+/-0.048 χ^2/NDF : 3193318.4/40

Out: 313.964+/-0.046 χ^2/NDF : 4293770.9/44

All: 317.873+/-0.033 χ^2/NDF : 7502320.0/85

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -198.077 ± 30.163 χ^2/NDF : 19.2/17

Left Out: -199.640 ± 18.452 χ^2/NDF : 20.2/24

Right Out: -111.217 ± 29.580 χ^2/NDF : 39.7/19

Left In: -179.154 ± 19.112 χ^2/NDF : 23.9/22

Left: -189.757 ± 13.275 χ^2/NDF : 44.6/47

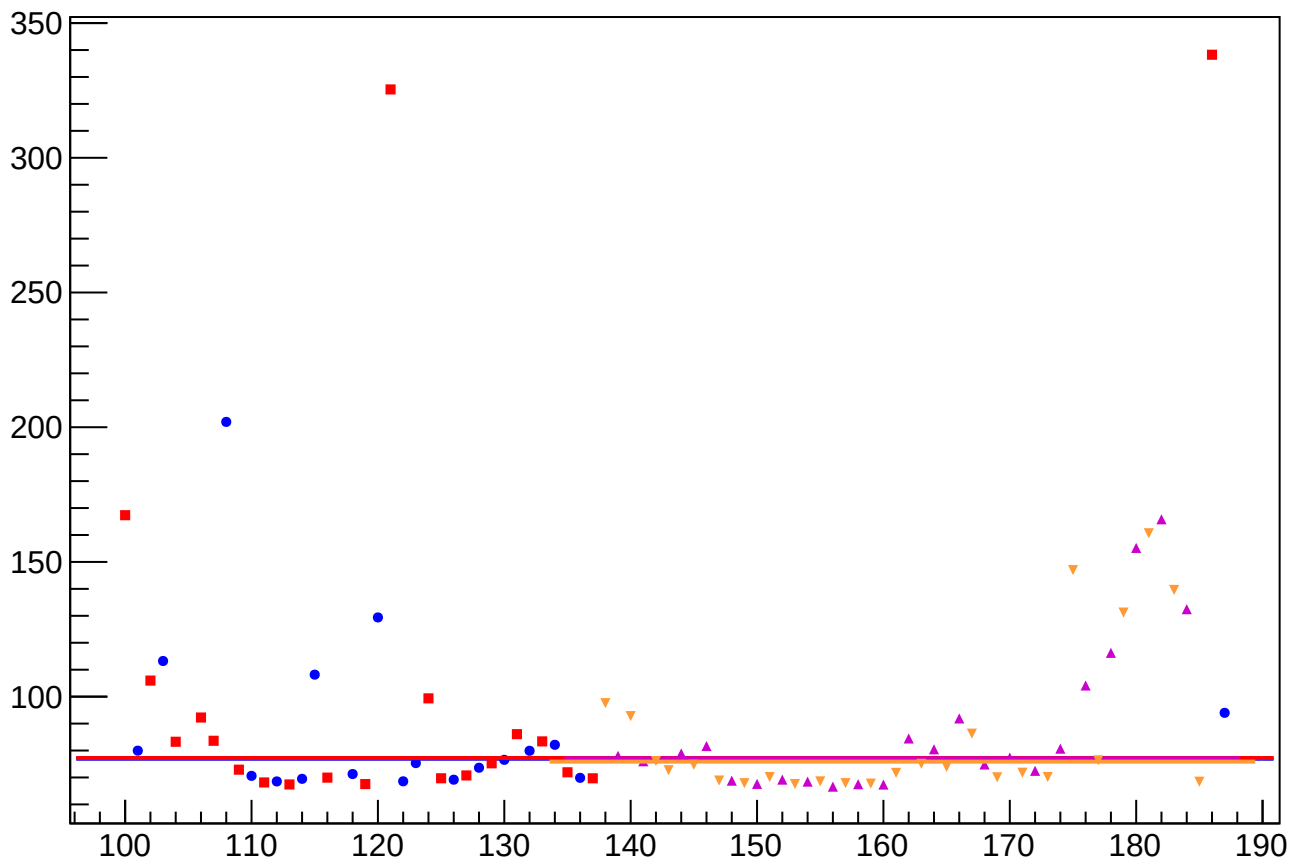
Right: -153.800 ± 21.119 χ^2/NDF : 63.1/37

In: -184.575 ± 16.144 χ^2/NDF : 43.3/40

Out: -174.871 ± 15.656 χ^2/NDF : 66.3/44

All: -179.574 ± 11.239 χ^2/NDF : 109.8/85

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 76.960 $\pm$ 0.021 χ^2 /NDF: 610372.9/17

Left Out: 75.883 $\pm$ 0.013 χ^2 /NDF:1552500.3/24

Right Out: 77.220 $\pm$ 0.021 χ^2 /NDF: 1141541.1/19

Left In: 77.080 $\pm$ 0.014 χ^2 /NDF:1422981.1/22

Left: 76.460 $\pm$ 0.009 χ^2 /NDF: 2979537.9/47

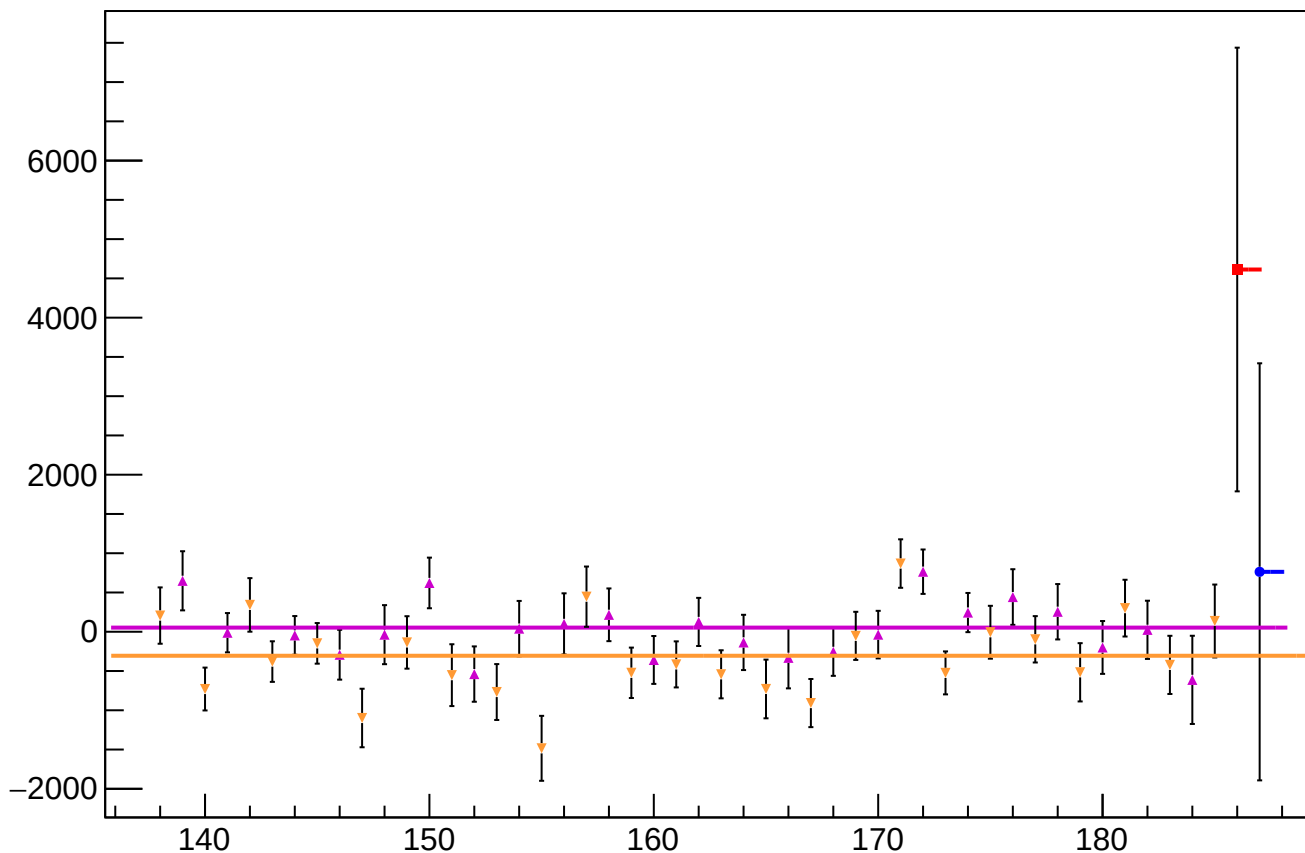
Right: 77.092 $\pm$ 0.015 χ^2 /NDF: 1751989.8/37

In: 77.045 $\pm$ 0.011 χ^2 /NDF:2033376.4/40

Out: 76.258 $\pm$ 0.011 χ^2 /NDF:2696982.2/44

All: 76.639 $\pm$ 0.008 χ^2 /NDF: 4732812.2/85

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 763.015 $\pm$ 2655.697 χ^2 /NDF: 0.0/0

Left Out: -305.659 $\pm$ 65.327 χ^2 /NDF:54.9/24

Right Out: 4613.035 $\pm$ 2825.161 χ^2 /NDF: 0.0/0

Left In: 52.759 $\pm$ 67.539 χ^2 /NDF:24.9/22

Left: -132.416 $\pm$ 46.956 χ^2 /NDF: 94.3/47

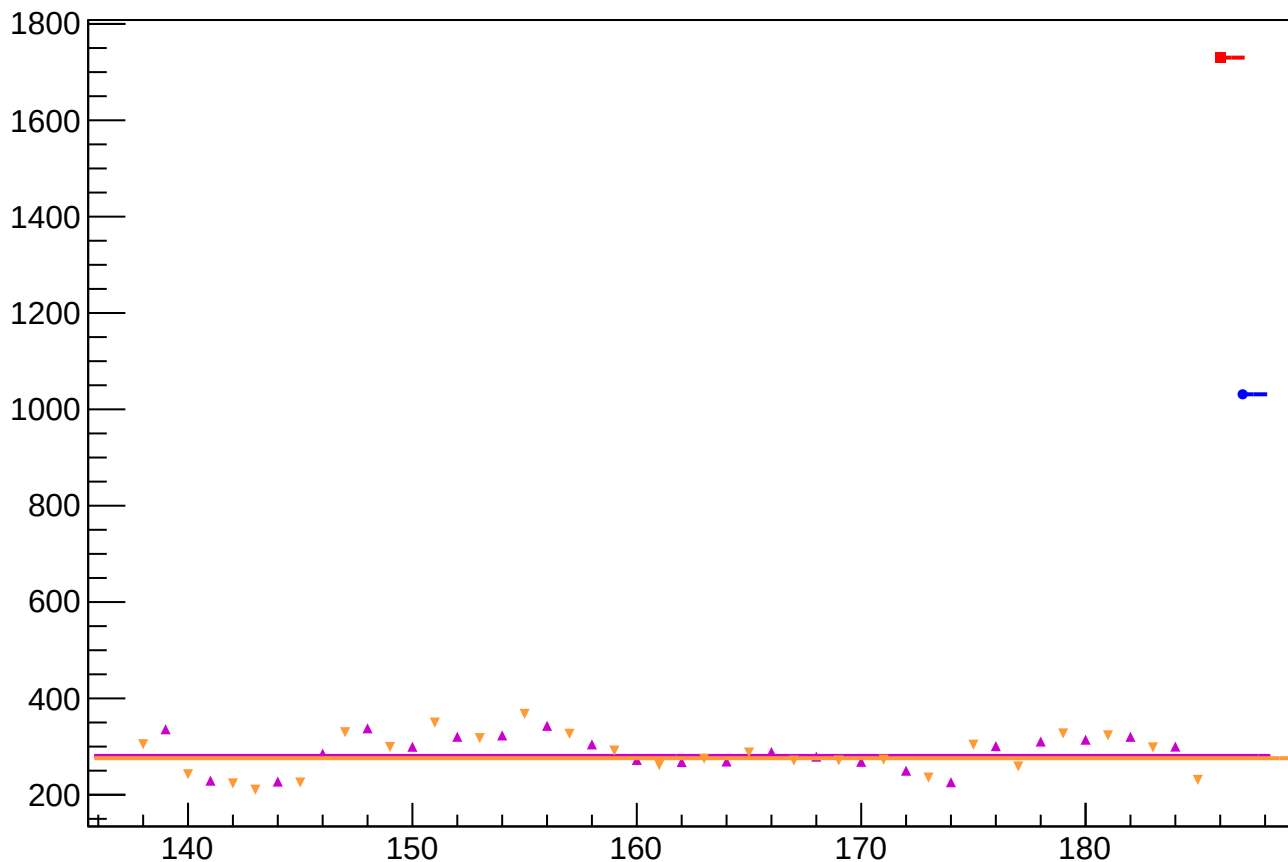
Right: 2569.099 $\pm$ 1934.999 χ^2 /NDF: 1.0/1

In: 53.218 $\pm$ 67.517 χ^2 /NDF:24.9/23

Out: -303.030 $\pm$ 65.309 χ^2 /NDF:57.9/25

All: -130.826 $\pm$ 46.942 χ^2 /NDF: 97.2/49

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 1031.251+/-1.878 χ^2/NDF : 0.0/0

Left Out: 275.901+/-0.046 χ^2/NDF : 753109.6/24

Right Out: 1730.067+/-1.998 χ^2/NDF : 0.0/0

Left In: 280.628+/-0.048 χ^2/NDF : 587415.9/22

Left: 278.186+/-0.033 χ^2/NDF : 1345588.4/47

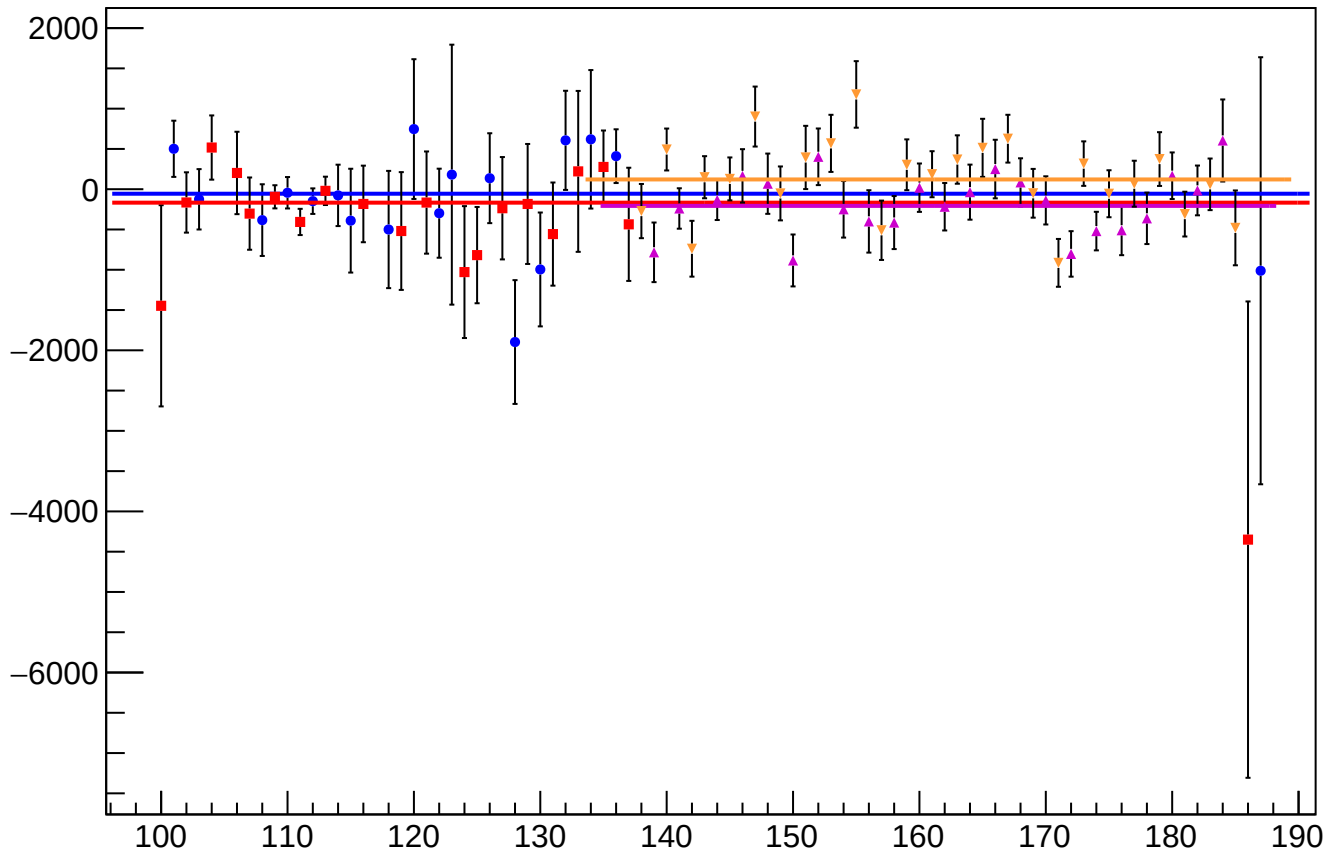
Right: 1359.072+/-1.368 χ^2/NDF : 64964.1/1

In: 281.114+/-0.048 χ^2/NDF : 747090.3/23

Out: 276.678+/-0.046 χ^2/NDF : 1282698.9/25

All: 278.822+/-0.033 χ^2/NDF : 2034248.7/49

asym_sam8_mean vs Slug, Sign Corrected



Right In: -56.044 ± 90.303 χ^2/NDF : 16.7/17

Left Out: 121.185 ± 62.911 χ^2/NDF : 49.0/24

Right Out: -166.971 ± 76.877 χ^2/NDF : 13.9/19

Left In: -207.047 ± 65.246 χ^2/NDF : 27.8/22

Left: -36.951 ± 45.288 χ^2/NDF : 89.9/47

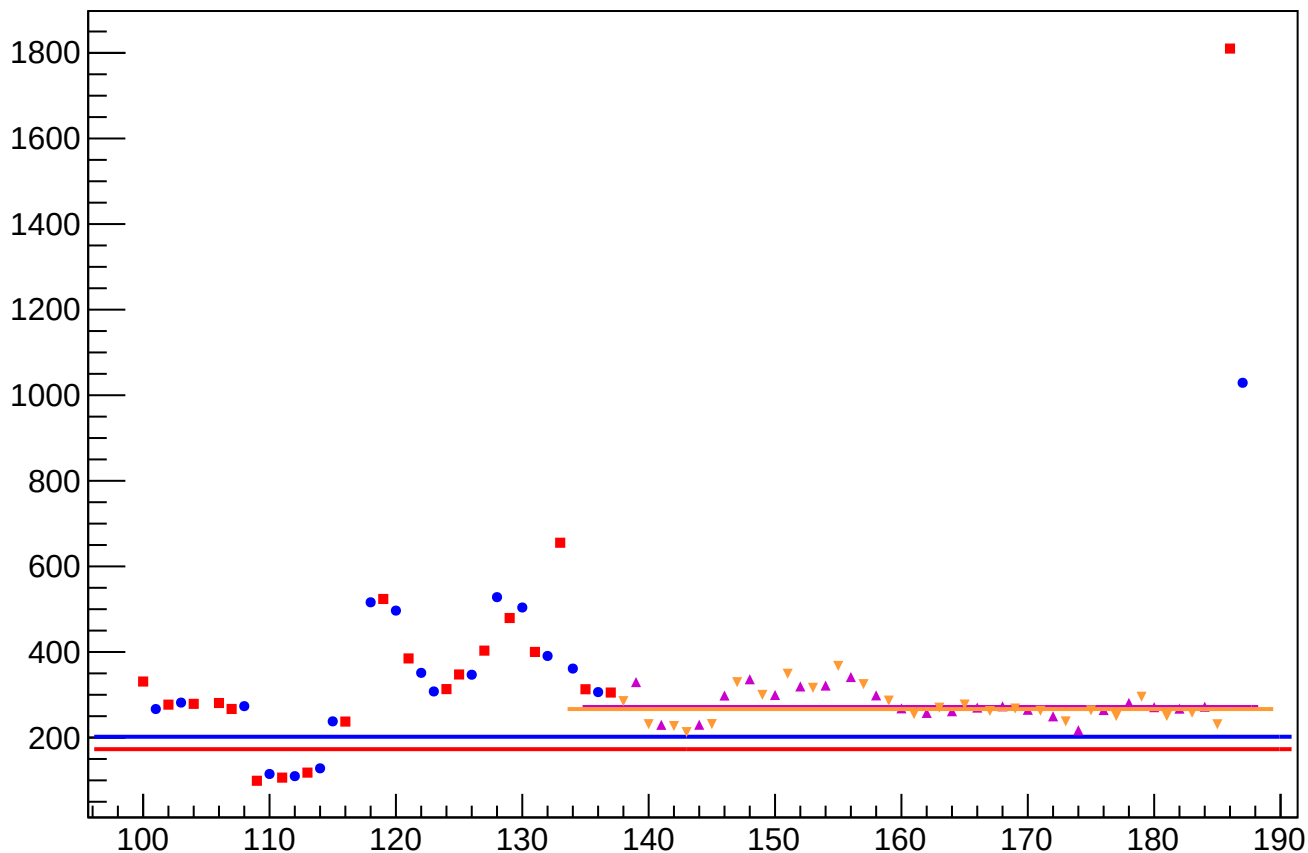
Right: -120.358 ± 58.537 χ^2/NDF : 31.5/37

In: -155.254 ± 52.886 χ^2/NDF : 46.3/40

Out: 5.612 ± 48.687 χ^2/NDF : 71.3/44

All: -68.182 ± 35.819 χ^2/NDF : 122.6/85

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.932 $\pm$ 0.064 χ^2 /NDF: 3631127.8/17

Left Out: 266.618 $\pm$ 0.044 χ^2 /NDF: 639230.8/24

Right Out: 172.901 $\pm$ 0.054 χ^2 /NDF: 4706233.1/19

Left In: 271.451 $\pm$ 0.046 χ^2 /NDF: 530897.8/22

Left: 268.946 $\pm$ 0.032 χ^2 /NDF: 1175815.9/47

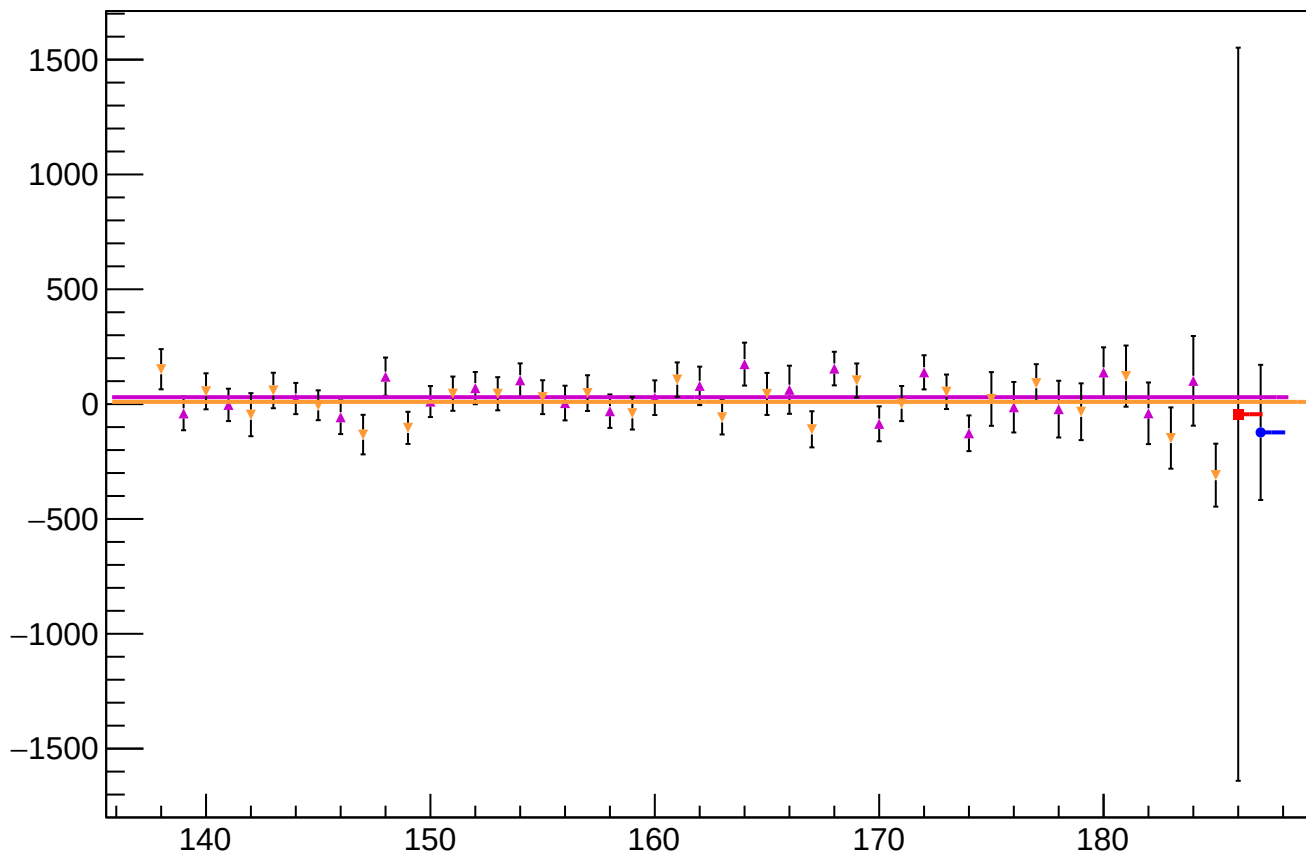
Right: 185.100 $\pm$ 0.041 χ^2 /NDF: 8457202.1/37

In: 247.606 $\pm$ 0.037 χ^2 /NDF: 4940792.5/40

Out: 229.030 $\pm$ 0.034 χ^2 /NDF: 7125533.9/44

All: 237.552 $\pm$ 0.025 χ^2 /NDF: 12199888.2/85

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: -123.135 $\pm$ 294.256 χ^2 /NDF: 0.0/0

Left Out: 9.762 $\pm$ 16.463 χ^2 /NDF:25.9/24

Right Out: -44.009 $\pm$ 1596.057 χ^2 /NDF: 0.0/0

Left In: 30.236 $\pm$ 17.031 χ^2 /NDF:21.9/22

Left: 19.652 $\pm$ 11.837 χ^2 /NDF: 48.6/47

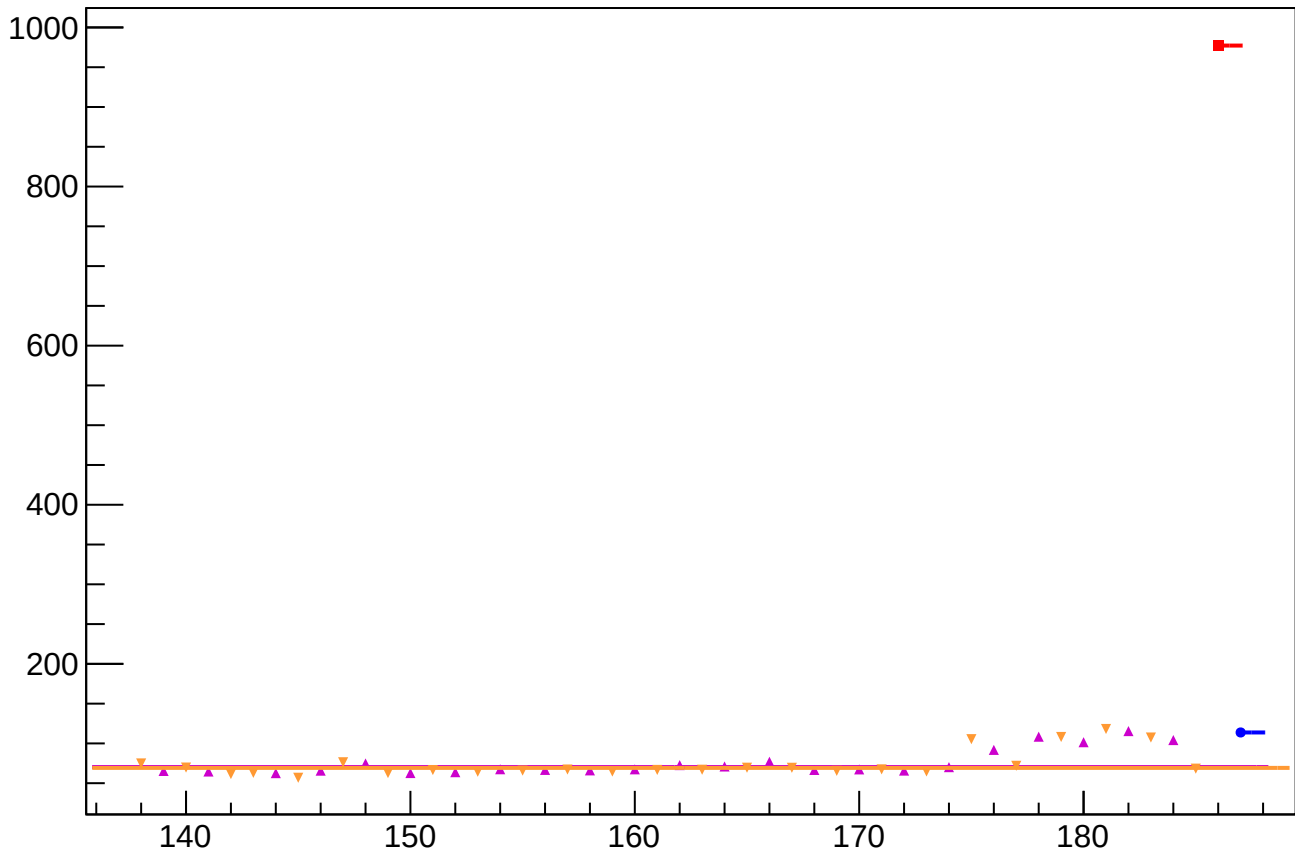
Right: -120.534 $\pm$ 289.379 χ^2 /NDF: 0.0/1

In: 29.724 $\pm$ 17.002 χ^2 /NDF:22.2/23

Out: 9.756 $\pm$ 16.462 χ^2 /NDF:25.9/25

All: 19.418 $\pm$ 11.827 χ^2 /NDF: 48.8/49

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 113.763 $\pm$ 0.208 χ^2 /NDF: 0.0/0

Left Out: 69.234 $\pm$ 0.012 χ^2 /NDF:1005922.1/24

Right Out: 977.214 $\pm$ 1.129 χ^2 /NDF: 0.0/0

Left In: 70.322 $\pm$ 0.012 χ^2 /NDF:862105.7/22

Left: 69.760 $\pm$ 0.008 χ^2 /NDF: 1872251.2/47

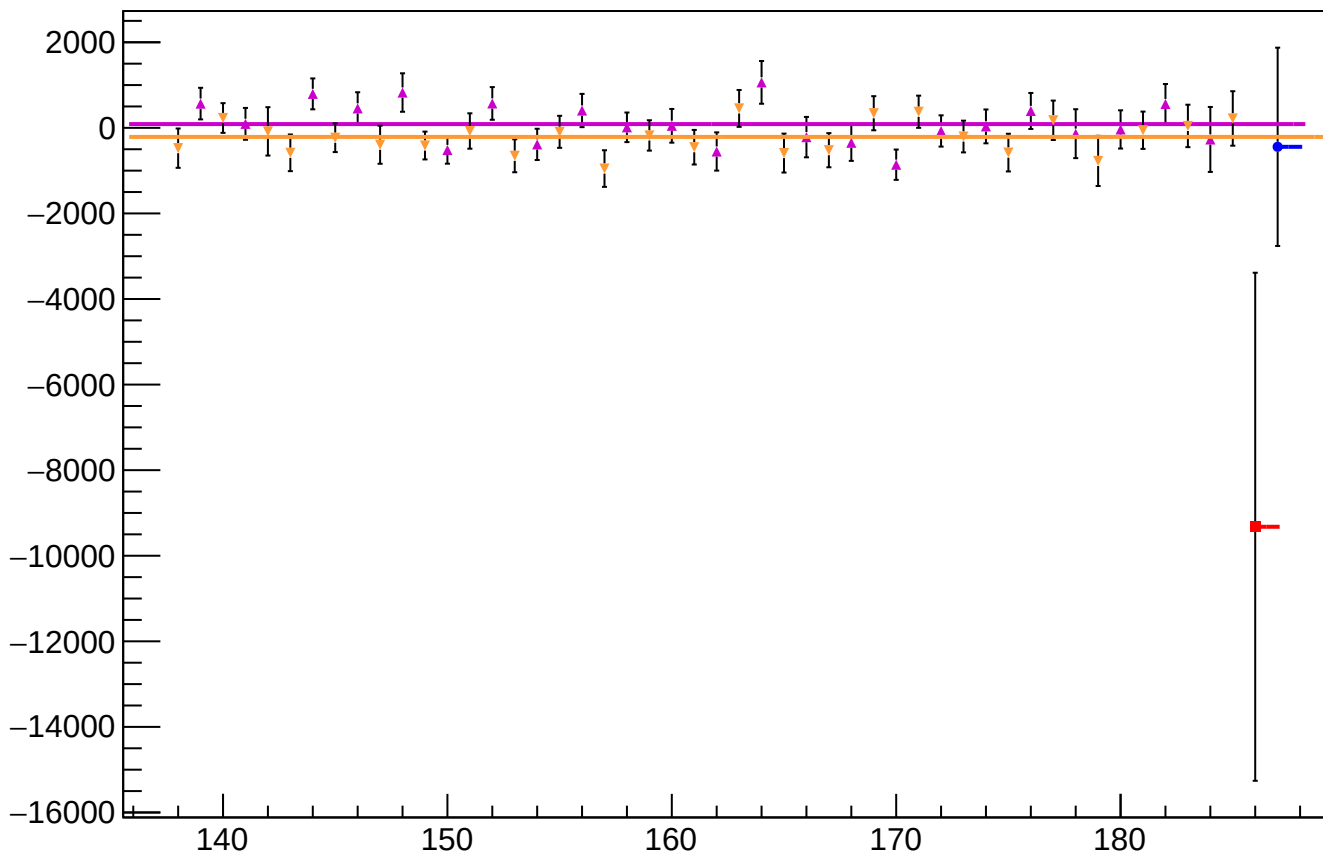
Right: 142.147 $\pm$ 0.205 χ^2 /NDF: 566097.9/1

In: 70.467 $\pm$ 0.012 χ^2 /NDF:905549.2/23

Out: 69.331 $\pm$ 0.012 χ^2 /NDF:1653123.2/25

All: 69.881 $\pm$ 0.008 χ^2 /NDF: 2563288.3/49

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: -443.440 ± 2317.322 χ^2/NDF : 0.0/0

Left Out: -211.526 ± 82.780 χ^2/NDF : 19.4/24

Right Out: -9322.953 ± 5936.807 χ^2/NDF : 0.0/0

Left In: 88.062 ± 84.309 χ^2/NDF : 33.5/22

Left: -64.474 ± 59.067 χ^2/NDF : 59.3/47

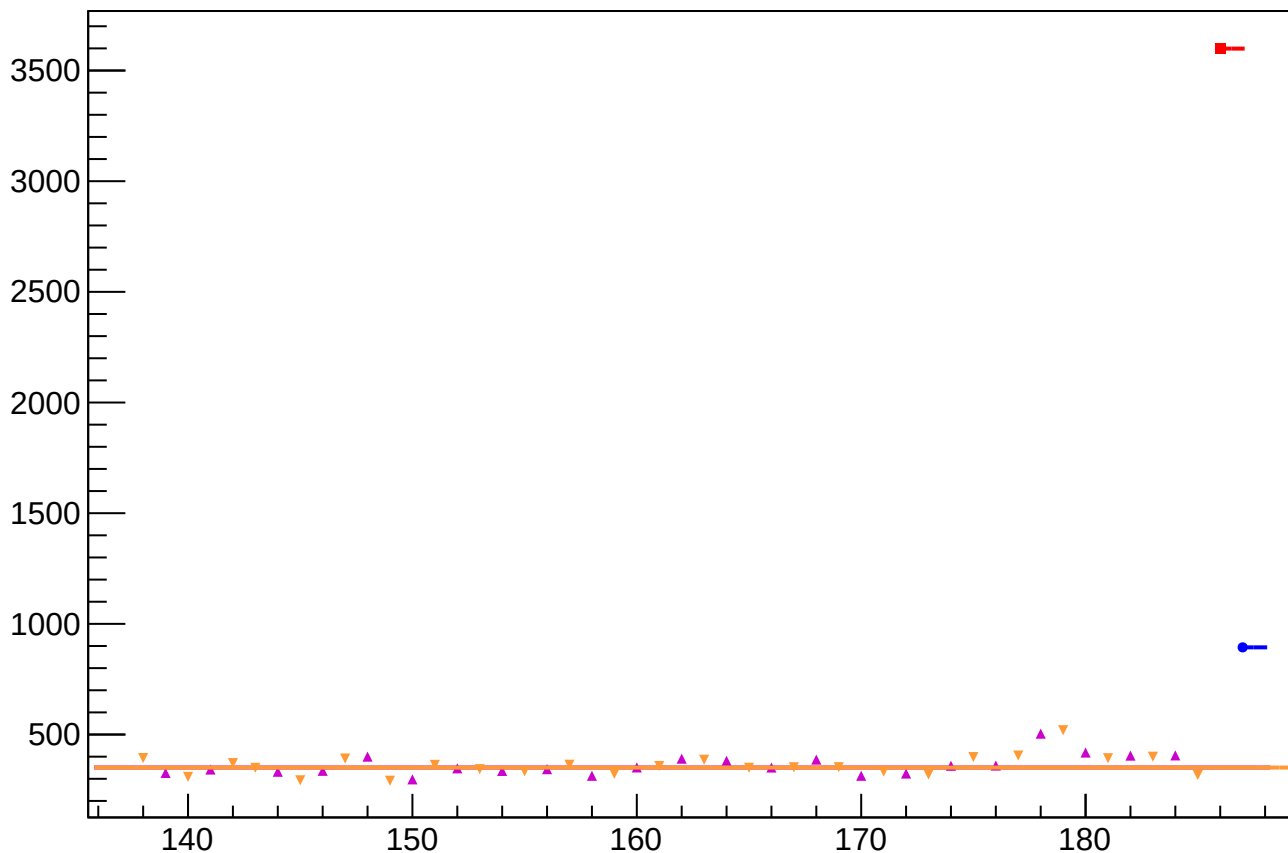
Right: -1617.440 ± 2158.701 χ^2/NDF : 1.9/1

In: 87.359 ± 84.253 χ^2/NDF : 33.5/23

Out: -213.297 ± 82.772 χ^2/NDF : 21.8/25

All: -65.636 ± 59.045 χ^2/NDF : 61.7/49

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 893.872 $\pm$ 1.639 χ^2 /NDF: 0.0/0

Left Out: 350.780 $\pm$ 0.059 χ^2 /NDF: 506274.4/24

Right Out: 3599.059 $\pm$ 4.198 χ^2 /NDF: 0.0/0

Left In: 350.944 $\pm$ 0.060 χ^2 /NDF: 424876.4/22

Left: 350.861 $\pm$ 0.042 χ^2 /NDF: 931154.7/47

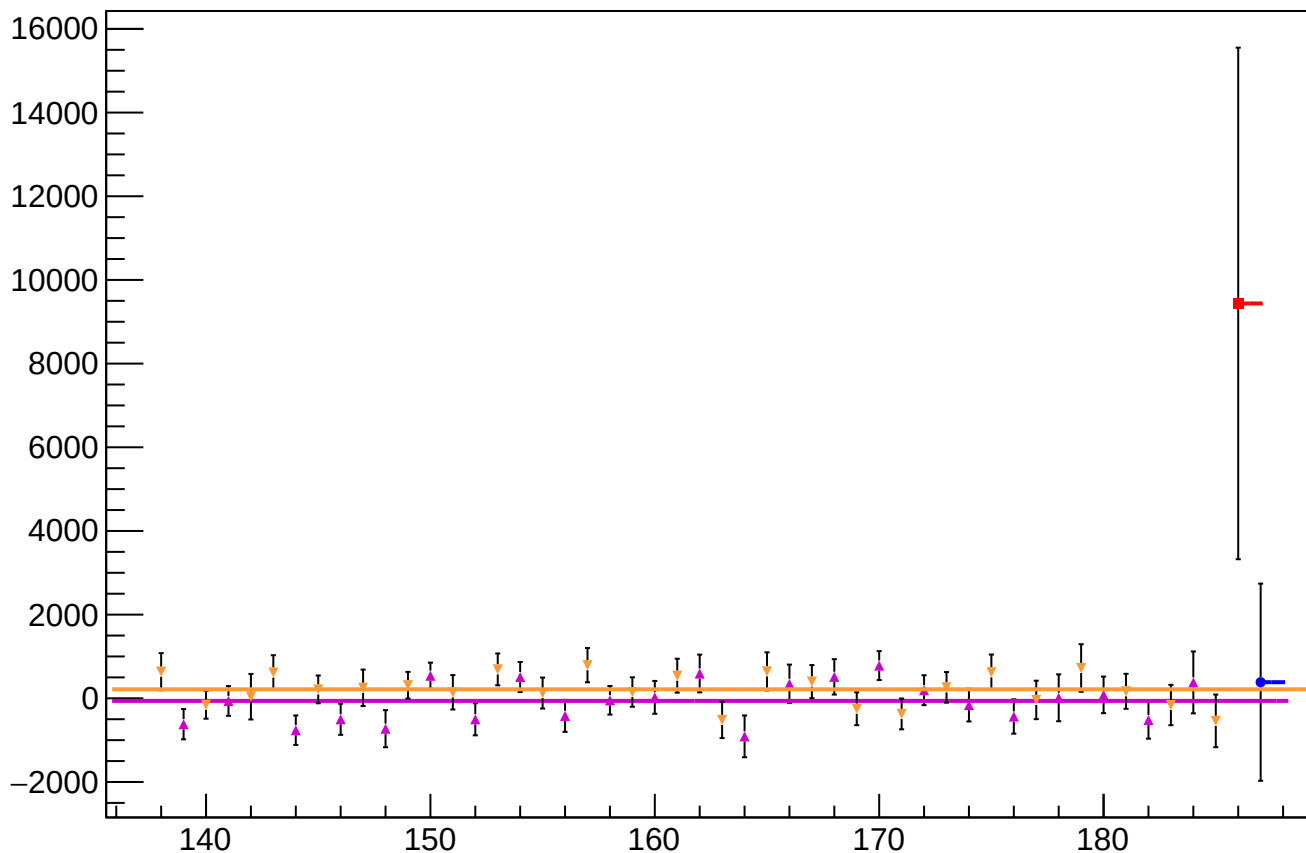
Right: 1251.537 $\pm$ 1.526 χ^2 /NDF: 360355.5/1

In: 351.662 $\pm$ 0.060 χ^2 /NDF: 534515.7/23

Out: 351.412 $\pm$ 0.059 χ^2 /NDF: 1104887.6/25

All: 351.535 $\pm$ 0.042 χ^2 /NDF: 1639412.3/49

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 384.844 $\pm$ 2356.540 χ^2 /NDF: 0.0/0

Left Out: 215.214 $\pm$ 81.235 χ^2 /NDF:19.6/24

Right Out: 9437.688 $\pm$ 6113.612 χ^2 /NDF: 0.0/0

Left In: -61.730 $\pm$ 82.841 χ^2 /NDF:34.9/22

Left: 79.453 $\pm$ 58.001 χ^2 /NDF: 60.2/47

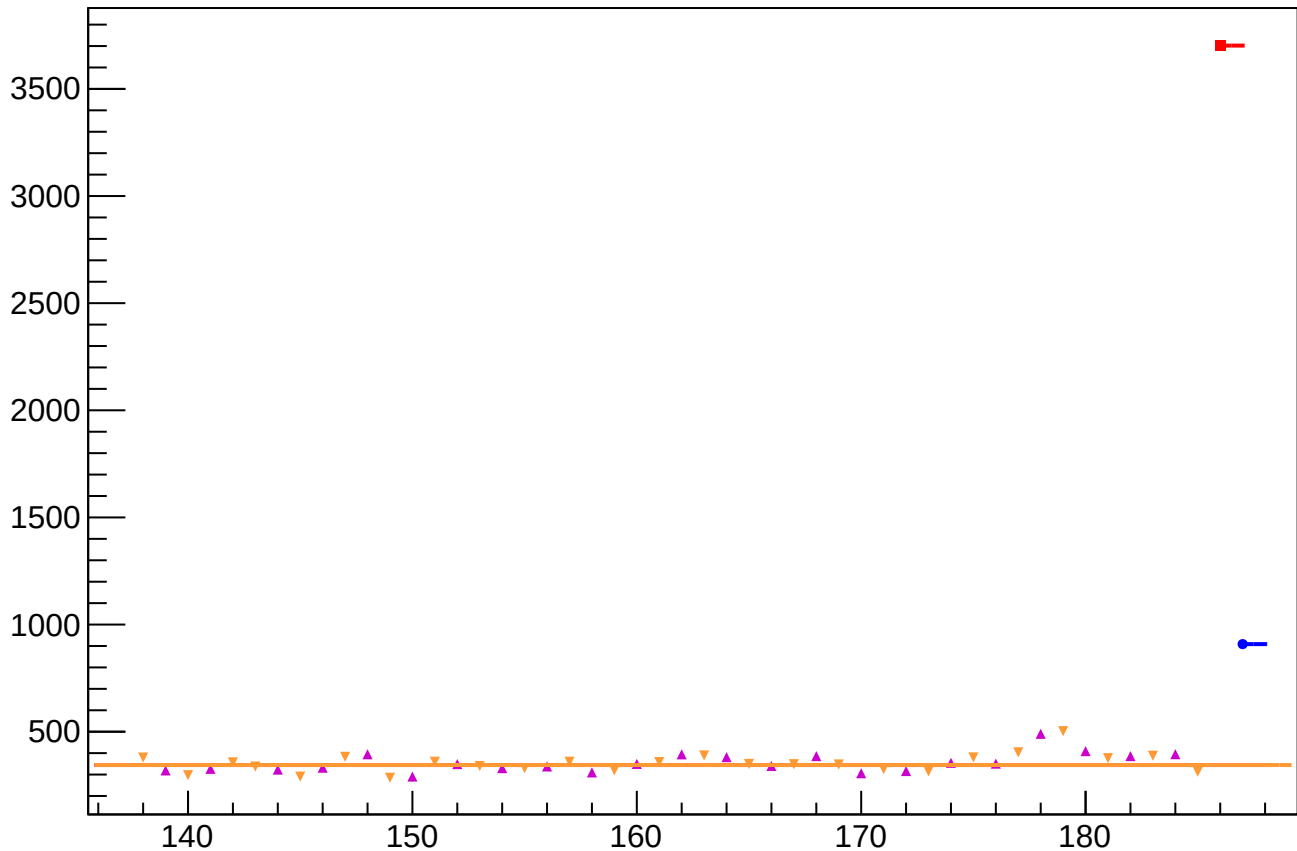
Right: 1555.903 $\pm$ 2198.845 χ^2 /NDF: 1.9/1

In: -61.179 $\pm$ 82.790 χ^2 /NDF:35.0/23

Out: 216.842 $\pm$ 81.228 χ^2 /NDF:21.9/25

All: 80.479 $\pm$ 57.981 χ^2 /NDF: 62.6/49

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 908.760+/-1.666 χ^2/NDF : 0.0/0

Left Out: 344.439+/-0.057 χ^2/NDF : 488381.9/24

Right Out: 3702.119+/-4.323 χ^2/NDF : 0.0/0

Left In: 344.475+/-0.059 χ^2/NDF : 433401.7/22

Left: 344.457+/-0.041 χ^2/NDF : 921783.8/47

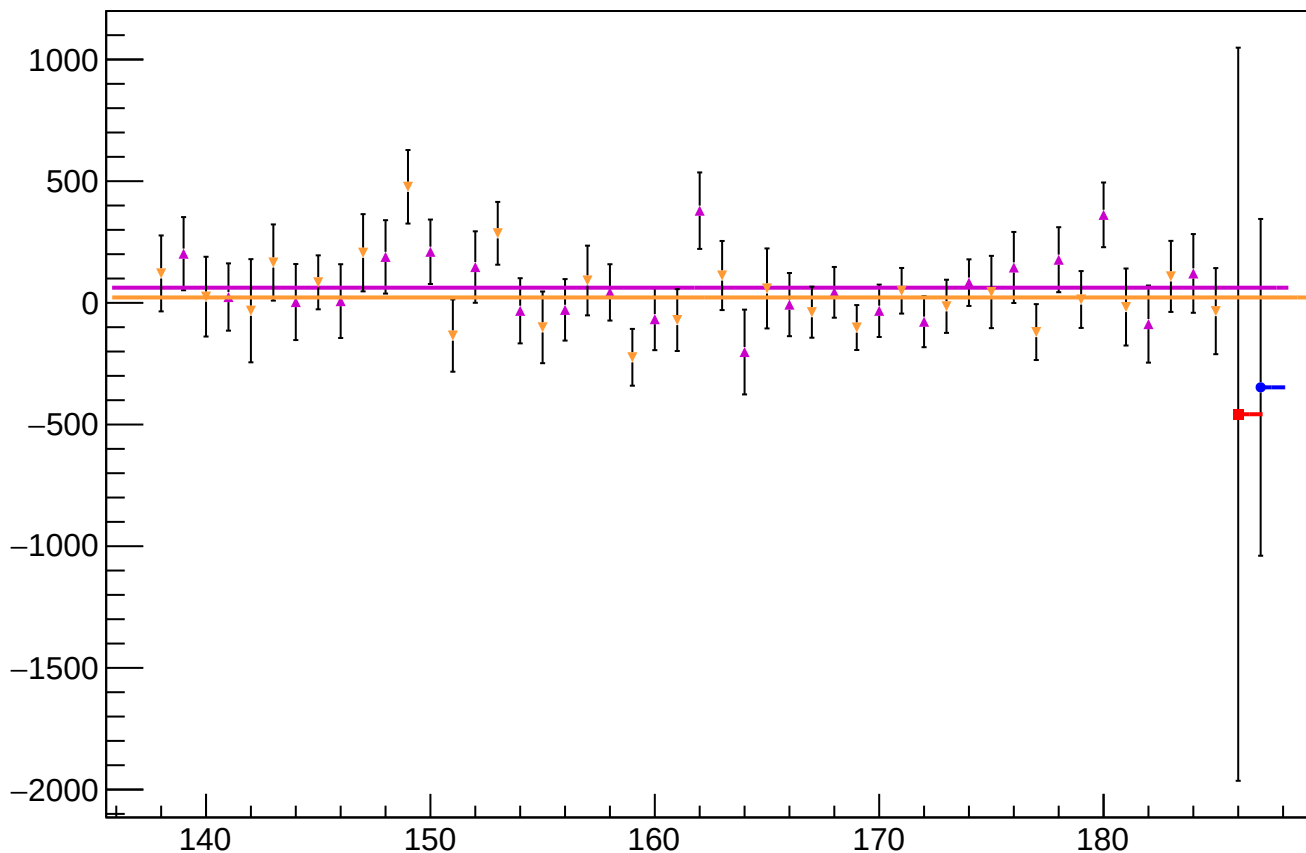
Right: 1270.103+/-1.555 χ^2/NDF : 363519.3/1

In: 345.171+/-0.059 χ^2/NDF : 547937.3/23

Out: 345.032+/-0.057 χ^2/NDF : 1091546.9/25

All: 345.100+/-0.041 χ^2/NDF : 1639487.1/49

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: -347.208 $\pm$ 691.999 χ^2 /NDF: 0.0/0

Left Out: 22.164 $\pm$ 26.284 χ^2 /NDF:28.1/24

Right Out: -457.681 $\pm$ 1506.309 χ^2 /NDF: 0.0/0

Left In: 62.310 $\pm$ 27.398 χ^2 /NDF:22.0/22

Left: 41.404 $\pm$ 18.967 χ^2 /NDF: 51.2/47

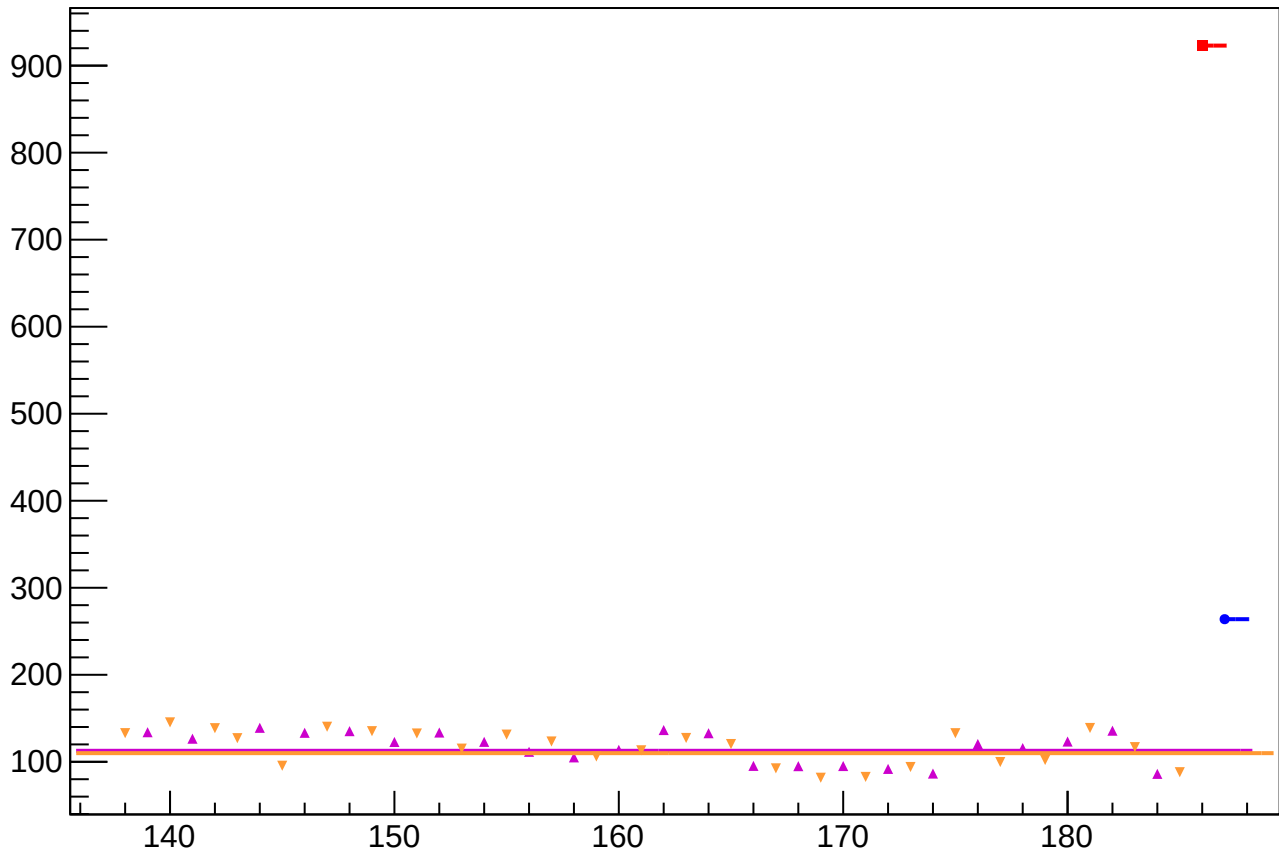
Right: -366.460 $\pm$ 628.818 χ^2 /NDF: 0.0/1

In: 61.669 $\pm$ 27.377 χ^2 /NDF:22.4/23

Out: 22.018 $\pm$ 26.280 χ^2 /NDF:28.2/25

All: 41.033 $\pm$ 18.959 χ^2 /NDF: 51.6/49

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 263.896+/-0.489 χ^2/NDF : 0.0/0

Left Out: 109.953+/-0.019 χ^2/NDF : 1140626.9/24

Right Out: 923.018+/-1.065 χ^2/NDF : 0.0/0

Left In: 112.657+/-0.019 χ^2/NDF : 835831.1/22

Left: 111.249+/-0.013 χ^2/NDF : 1986605.7/47

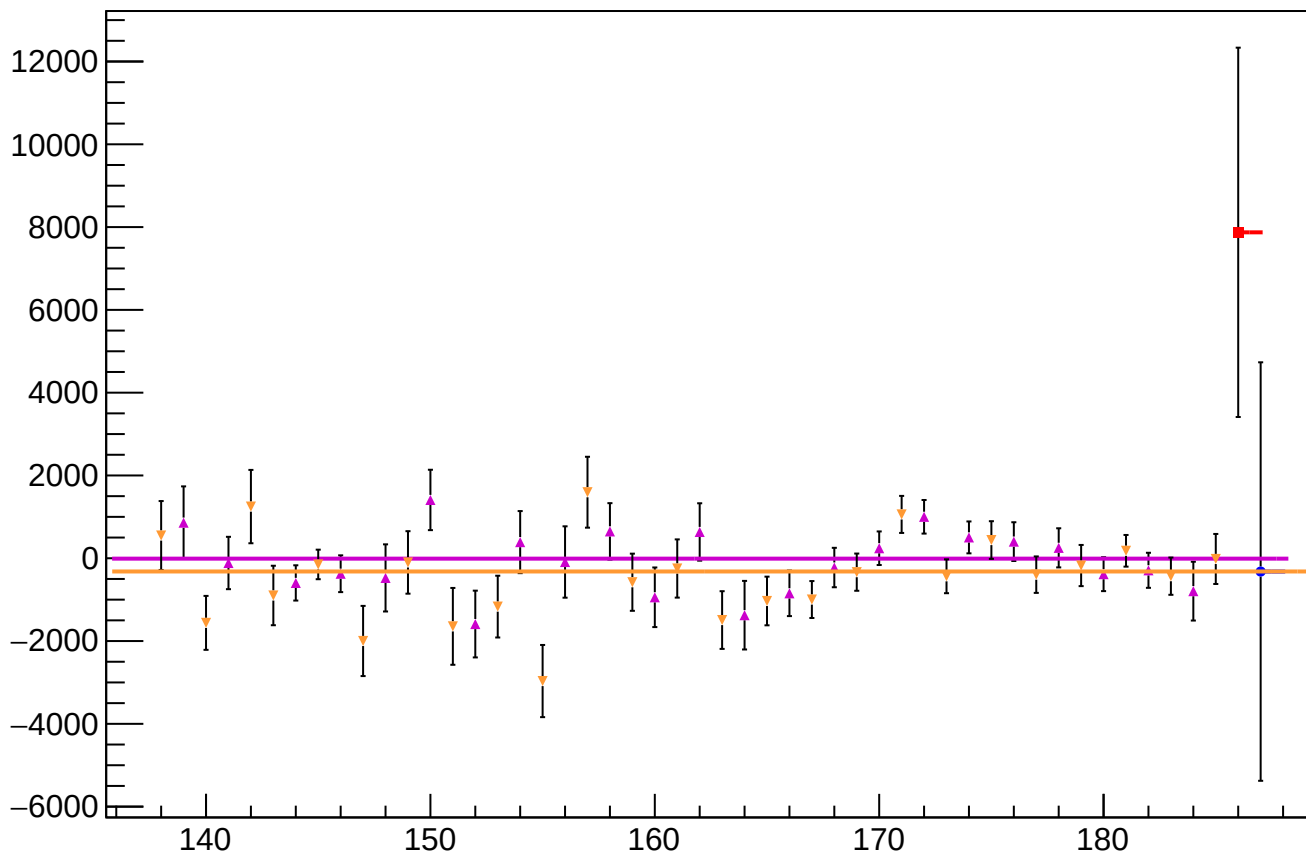
Right: 378.761+/-0.445 χ^2/NDF : 316206.9/1

In: 112.894+/-0.019 χ^2/NDF : 931213.4/23

Out: 110.200+/-0.019 χ^2/NDF : 1723160.0/25

All: 111.492+/-0.013 χ^2/NDF : 2664450.1/49

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -321.221 $\pm$ 5054.780 χ^2 /NDF: 0.0/0

Left Out: -319.391 $\pm$ 110.306 χ^2 /NDF:51.5/24

Right Out: 7873.137 $\pm$ 4461.037 χ^2 /NDF: 0.0/0

Left In: -9.462 $\pm$ 112.340 χ^2 /NDF:32.5/22

Left: -167.259 $\pm$ 78.707 χ^2 /NDF: 87.9/47

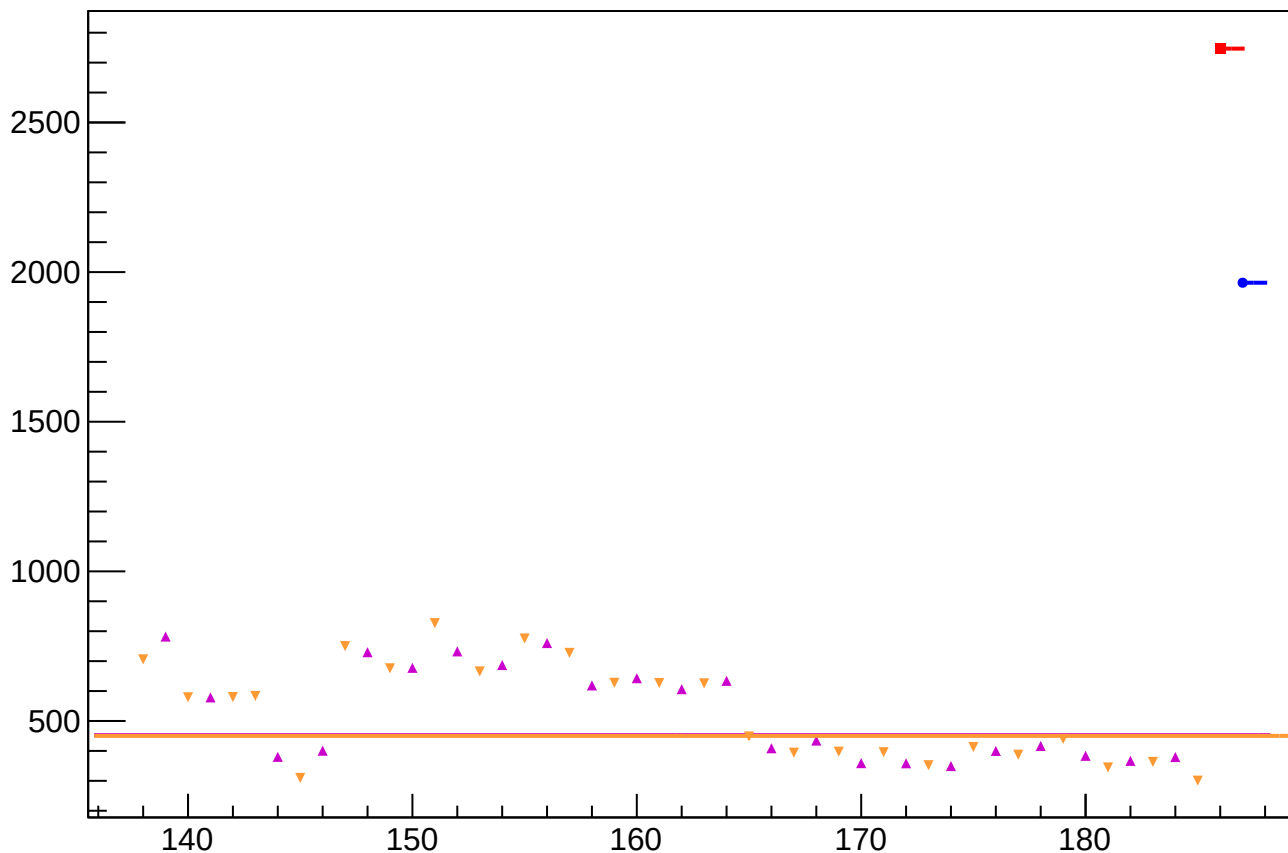
Right: 4285.265 $\pm$ 3344.747 χ^2 /NDF: 1.5/1

In: -9.616 $\pm$ 112.312 χ^2 /NDF:32.5/23

Out: -314.385 $\pm$ 110.272 χ^2 /NDF:54.9/25

All: -164.794 $\pm$ 78.685 χ^2 /NDF: 91.1/49

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1964.500+/-3.574 χ^2/NDF : 0.0/0

Left Out: 450.363+/-0.078 χ^2/NDF : 3096435.8/24

Right Out: 2746.822+/-3.154 χ^2/NDF : 0.0/0

Left In: 452.694+/-0.079 χ^2/NDF : 2586032.2/22

Left: 451.507+/-0.056 χ^2/NDF : 5682906.4/47

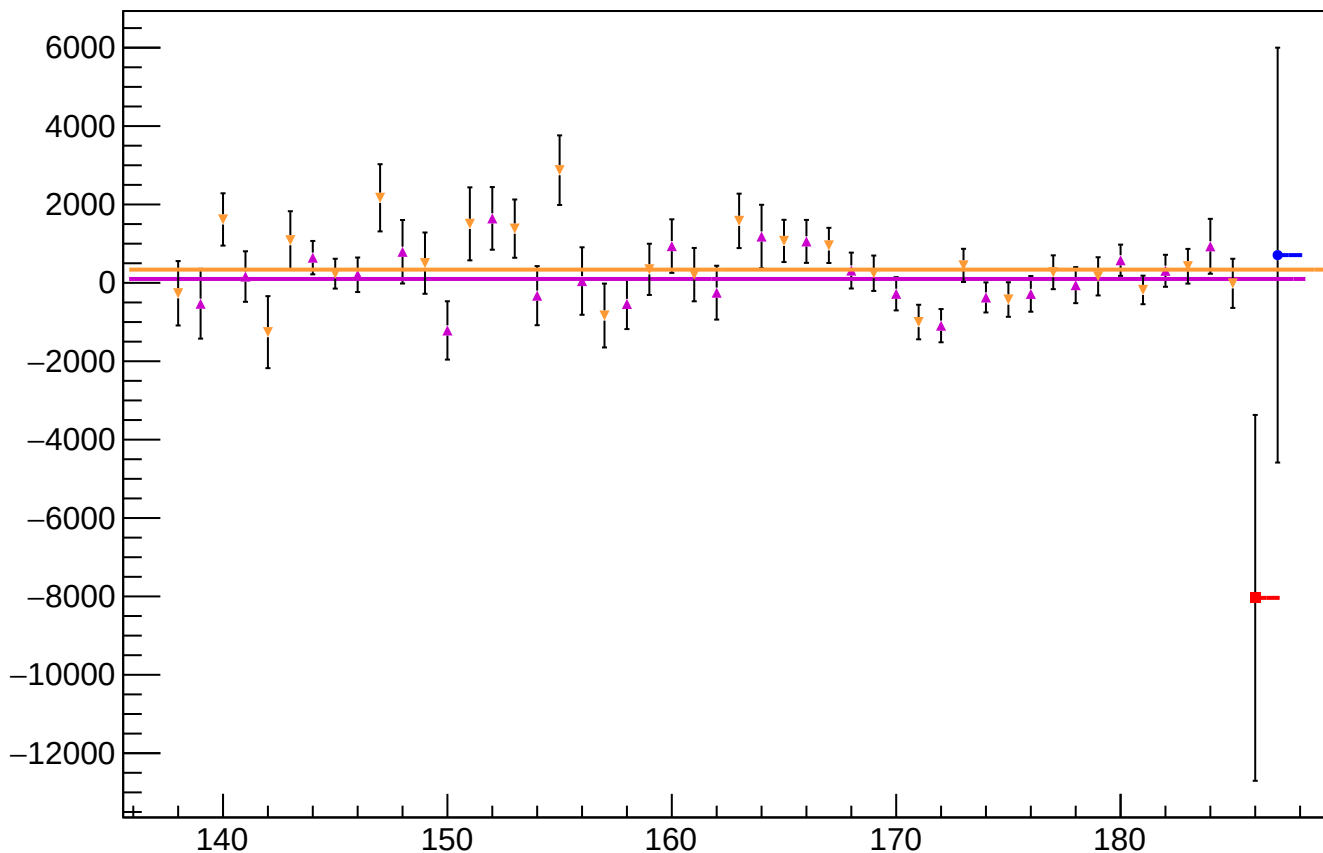
Right: 2404.285+/-2.365 χ^2/NDF : 26930.9/1

In: 453.440+/-0.079 χ^2/NDF : 2764846.9/23

Out: 451.766+/-0.078 χ^2/NDF : 3626111.6/25

All: 452.588+/-0.056 χ^2/NDF : 6391184.8/49

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 707.944 $\pm$ 5292.618 χ^2 /NDF: 0.0/0

Left Out: 337.948 $\pm$ 109.831 χ^2 /NDF:48.6/24

Right Out: -8036.867 $\pm$ 4667.395 χ^2 /NDF: 0.0/0

Left In: 99.475 $\pm$ 111.475 χ^2 /NDF:32.1/22

Left: 220.483 $\pm$ 78.237 χ^2 /NDF: 83.0/47

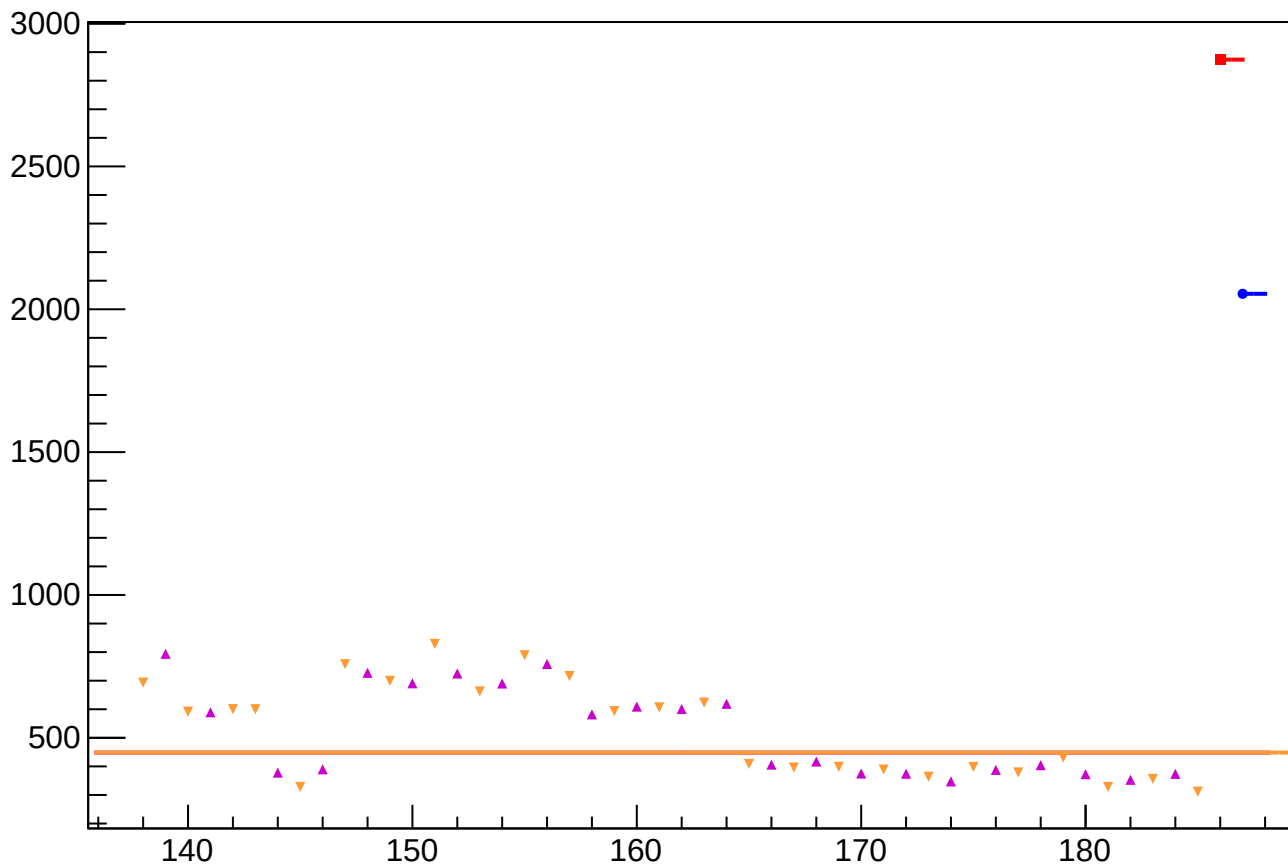
Right: -4211.247 $\pm$ 3500.630 χ^2 /NDF: 1.5/1

In: 99.745 $\pm$ 111.450 χ^2 /NDF:32.1/23

Out: 333.313 $\pm$ 109.800 χ^2 /NDF:51.8/25

All: 218.270 $\pm$ 78.217 χ^2 /NDF: 86.1/49

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 2054.143+/-3.742 χ^2 /NDF: 0.0/0

Left Out: 448.397+/-0.078 χ^2 /NDF:3077183.0/24

Right Out: 2873.828+/-3.300 χ^2 /NDF: 0.0/0

Left In: 448.238+/-0.079 χ^2 /NDF:2563455.5/22

Left: 448.319+/-0.055 χ^2 /NDF: 5640640.6/47

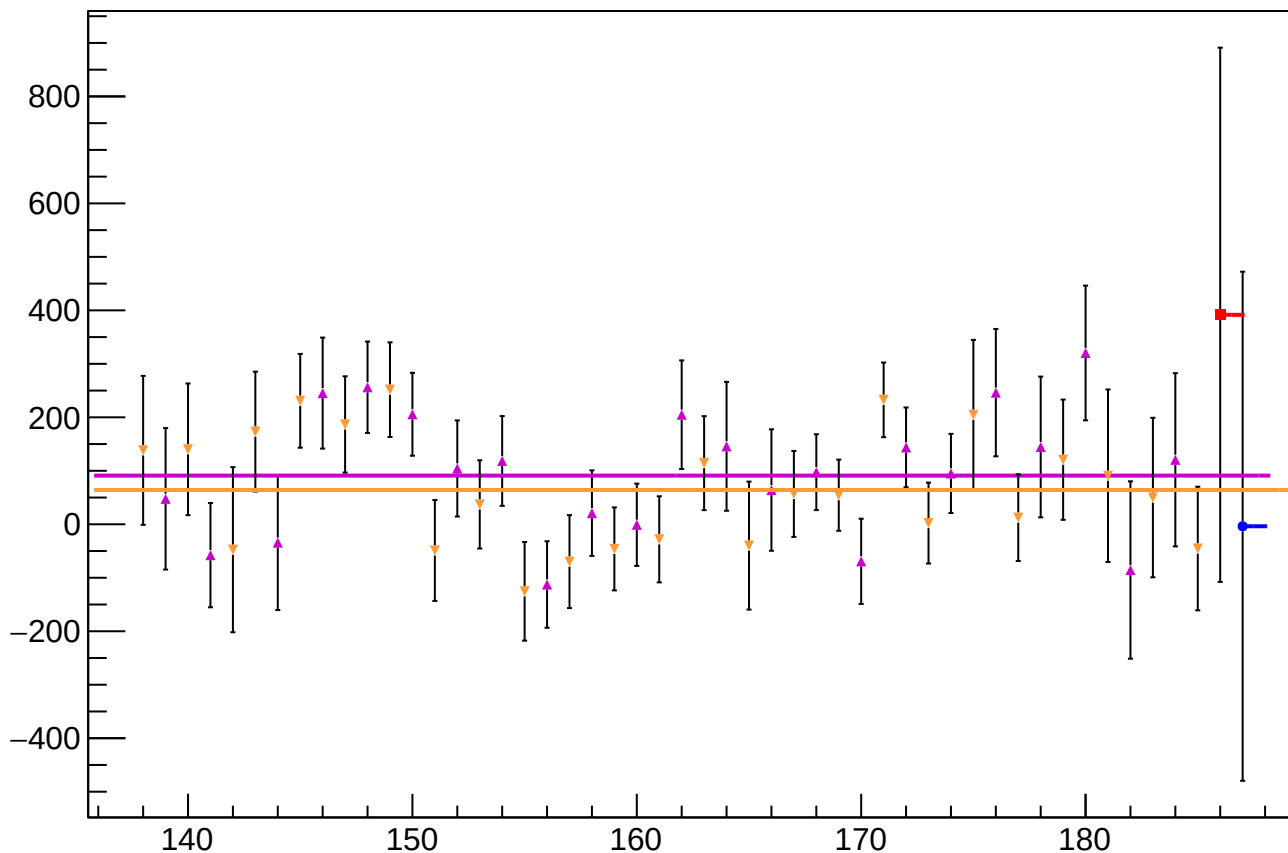
Right: 2515.238+/-2.475 χ^2 /NDF: 26985.2/1

In: 448.950+/-0.079 χ^2 /NDF:2747505.6/23

Out: 449.739+/-0.078 χ^2 /NDF:3616965.2/25

All: 449.351+/-0.055 χ^2 /NDF: 6364521.6/49

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -3.663 ± 475.968 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 64.142 ± 18.728 $\chi^2/\text{NDF}: 33.8/24$

Right Out: 391.682 ± 499.478 $\chi^2/\text{NDF}: 0.0/0$

Left In: 91.028 ± 19.637 $\chi^2/\text{NDF}: 32.6/22$

Left: 76.948 ± 13.553 $\chi^2/\text{NDF}: 67.4/47$

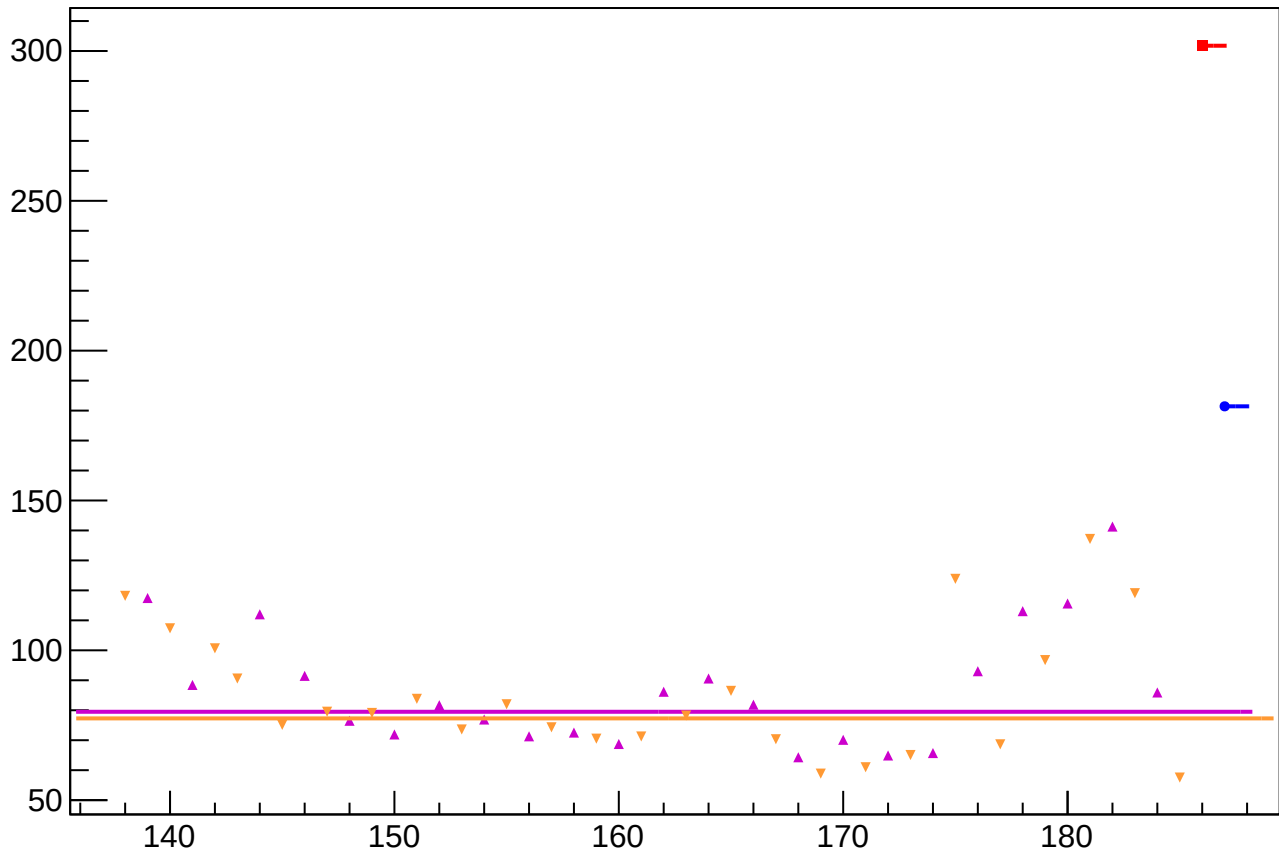
Right: 184.487 ± 344.572 $\chi^2/\text{NDF}: 0.3/1$

In: 90.867 ± 19.621 $\chi^2/\text{NDF}: 32.7/23$

Out: 64.601 ± 18.714 $\chi^2/\text{NDF}: 34.2/25$

All: 77.114 ± 13.542 $\chi^2/\text{NDF}: 67.8/49$

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 181.423+/-0.337 χ^2/NDF : 0.0/0

Left Out: 77.280+/-0.013 χ^2/NDF :1553410.1/24

Right Out: 301.760+/-0.353 χ^2/NDF : 0.0/0

Left In: 79.491+/-0.014 χ^2/NDF :1333774.9/22

Left: 78.333+/-0.010 χ^2/NDF : 2900472.8/47

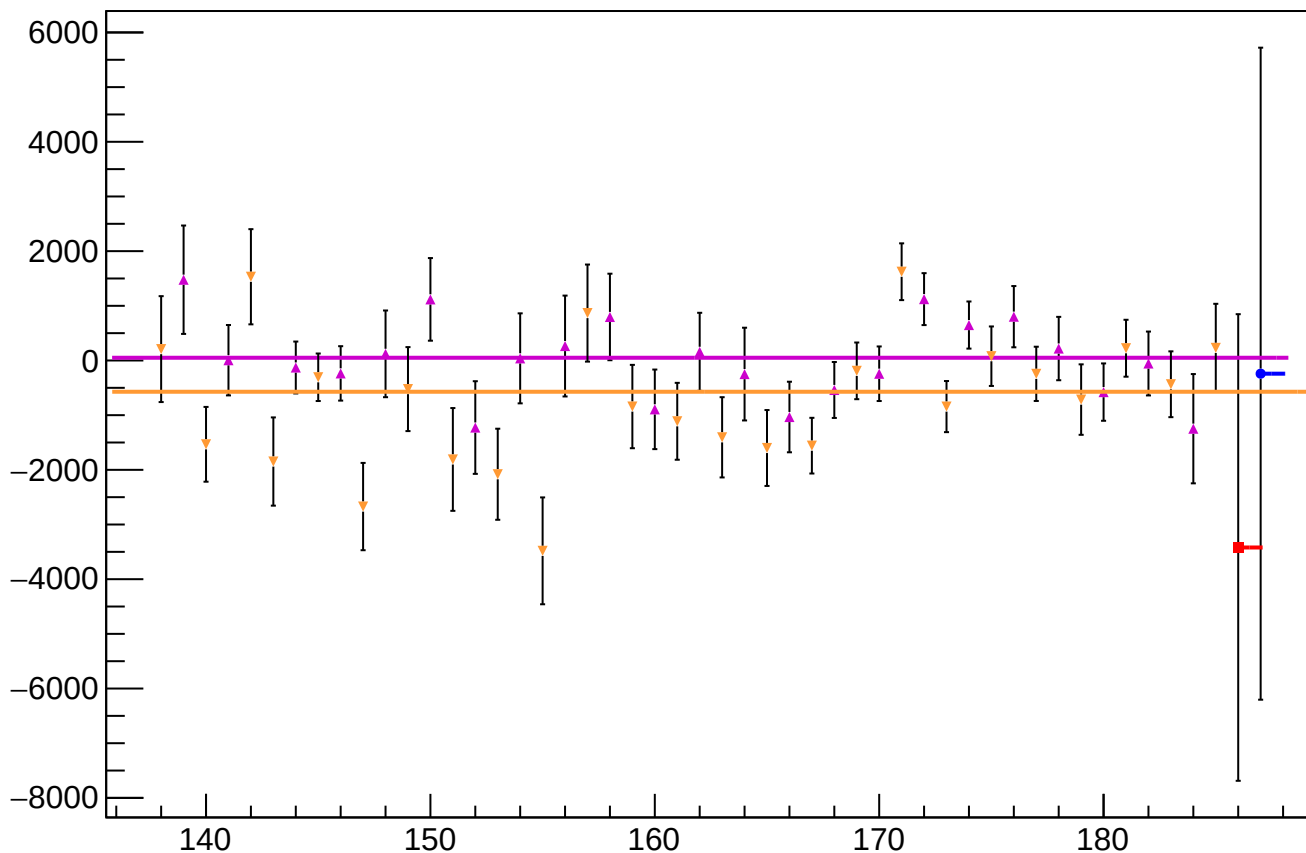
Right: 238.693+/-0.244 χ^2/NDF : 60840.9/1

In: 79.665+/-0.014 χ^2/NDF :1425345.2/23

Out: 77.595+/-0.013 χ^2/NDF :1956816.3/25

All: 78.581+/-0.010 χ^2/NDF : 3393817.0/49

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -241.319 ± 5962.902 χ^2/NDF : 0.0/0

Left Out: -571.669 ± 128.158 χ^2/NDF : 66.8/24

Right Out: -3420.219 ± 4267.312 χ^2/NDF : 0.0/0

Left In: 50.077 ± 129.187 χ^2/NDF : 26.1/22

Left: -263.282 ± 90.983 χ^2/NDF : 104.6/47

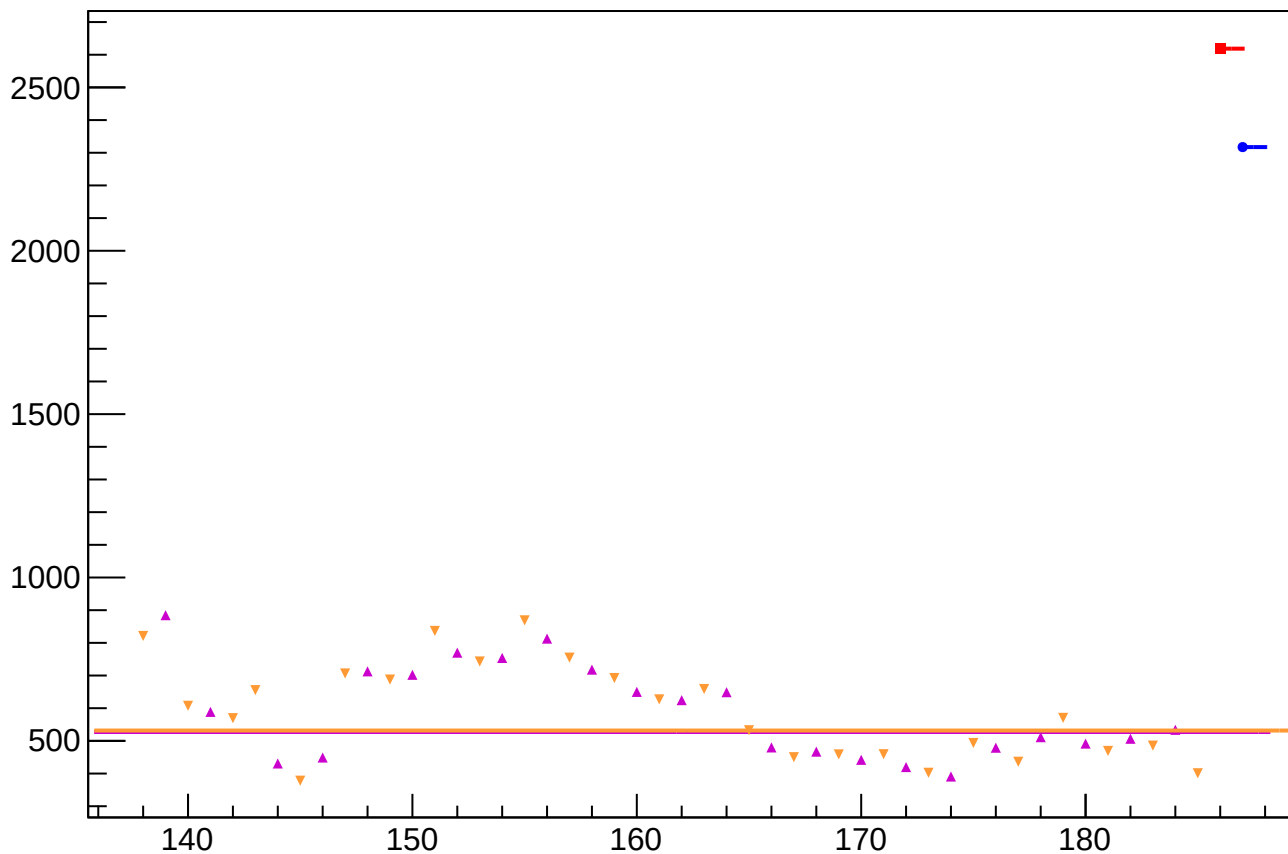
Right: -2343.564 ± 3470.224 χ^2/NDF : 0.2/1

In: 49.940 ± 129.156 χ^2/NDF : 26.2/23

Out: -574.236 ± 128.100 χ^2/NDF : 67.2/25

All: -264.711 ± 90.952 χ^2/NDF : 105.1/49

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 2317.334+/-4.216 χ^2/NDF : 0.0/0

Left Out: 531.643+/-0.091 χ^2/NDF : 2038304.3/24

Right Out: 2618.601+/-3.017 χ^2/NDF : 0.0/0

Left In: 527.182+/-0.091 χ^2/NDF : 1813383.7/22

Left: 529.430+/-0.064 χ^2/NDF : 3852889.7/47

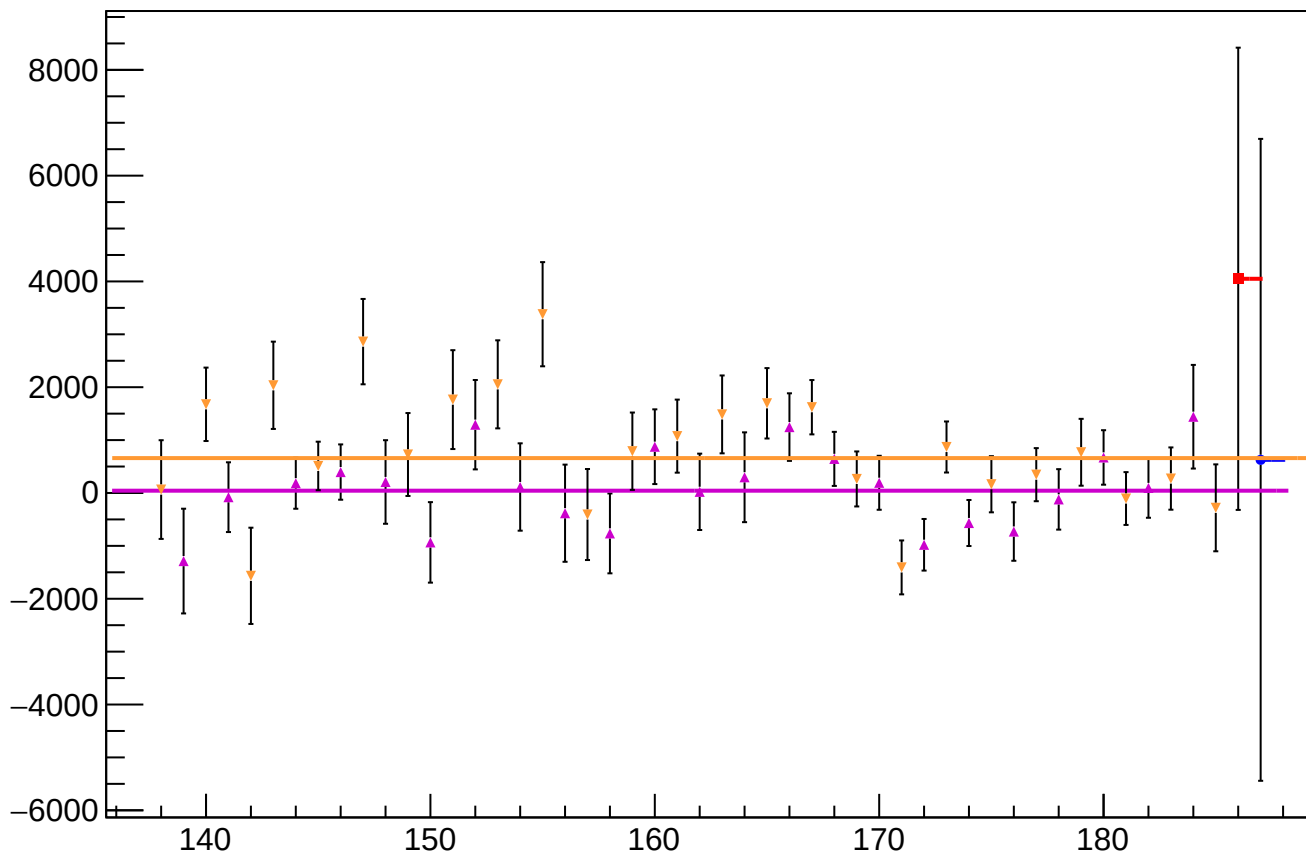
Right: 2516.565+/-2.454 χ^2/NDF : 3376.1/1

In: 528.022+/-0.091 χ^2/NDF : 1993557.1/23

Out: 533.523+/-0.091 χ^2/NDF : 2516226.4/25

All: 530.795+/-0.064 χ^2/NDF : 4511612.6/49

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 626.605 $\pm$ 6068.801 χ^2 /NDF: 0.0/0

Left Out: 659.523 $\pm$ 128.164 χ^2 /NDF:62.4/24

Right Out: 4049.889 $\pm$ 4370.005 χ^2 /NDF: 0.0/0

Left In: 43.183 $\pm$ 129.538 χ^2 /NDF:26.0/22

Left: 354.638 $\pm$ 91.108 χ^2 /NDF: 99.9/47

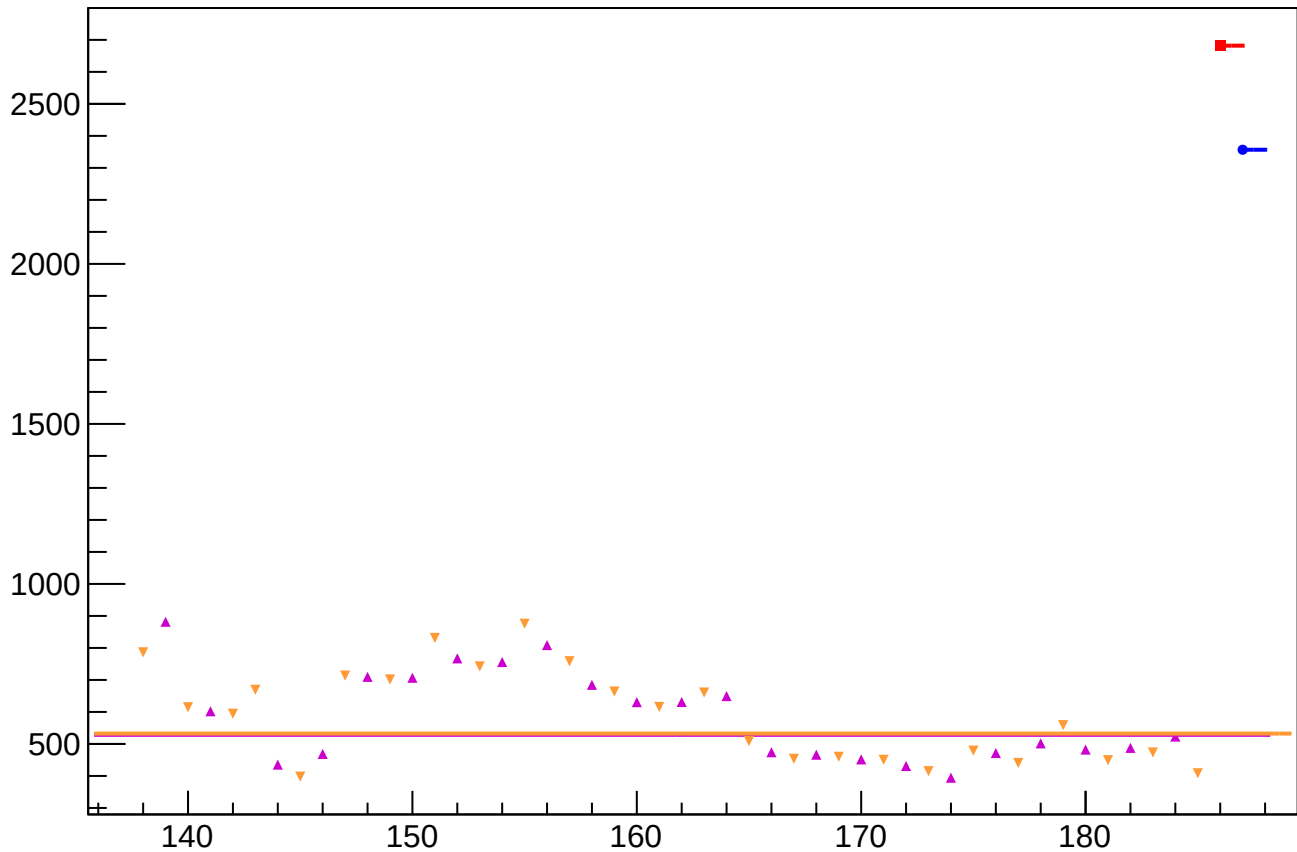
Right: 2880.974 $\pm$ 3546.279 χ^2 /NDF: 0.2/1

In: 43.449 $\pm$ 129.508 χ^2 /NDF:26.1/23

Out: 662.437 $\pm$ 128.109 χ^2 /NDF:63.0/25

All: 356.304 $\pm$ 91.078 χ^2 /NDF: 100.6/49

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 2356.743 $\pm$ 4.291 χ^2/NDF : 0.0/0

Left Out: 532.393 $\pm$ 0.091 χ^2/NDF :1943066.8/24

Right Out: 2681.937 $\pm$ 3.090 χ^2/NDF : 0.0/0

Left In: 528.464 $\pm$ 0.092 χ^2/NDF :1712049.5/22

Left: 530.449 $\pm$ 0.064 χ^2/NDF : 3656045.7/47

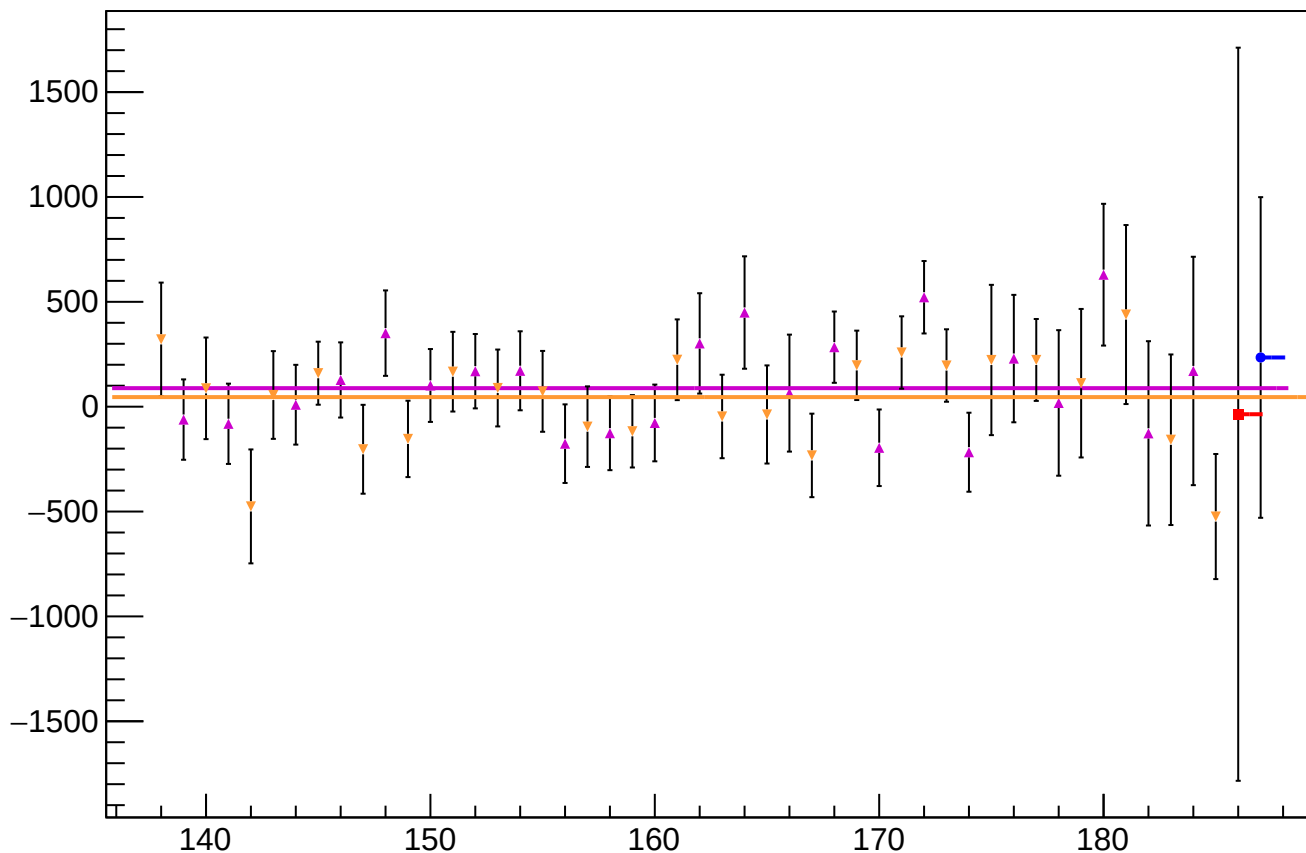
Right: 2570.896 $\pm$ 2.508 χ^2/NDF : 3781.7/1

In: 529.297 $\pm$ 0.092 χ^2/NDF :1893480.4/23

Out: 534.240 $\pm$ 0.091 χ^2/NDF :2426555.0/25

All: 531.795 $\pm$ 0.064 χ^2/NDF : 4321507.8/49

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 234.621 $\pm$ 764.459 χ^2 /NDF: 0.0/0

Left Out: 45.675 $\pm$ 41.779 χ^2 /NDF:21.9/24

Right Out: -36.000 $\pm$ 1747.897 χ^2 /NDF: 0.0/0

Left In: 88.356 $\pm$ 43.518 χ^2 /NDF:26.4/22

Left: 66.145 $\pm$ 30.138 χ^2 /NDF: 48.8/47

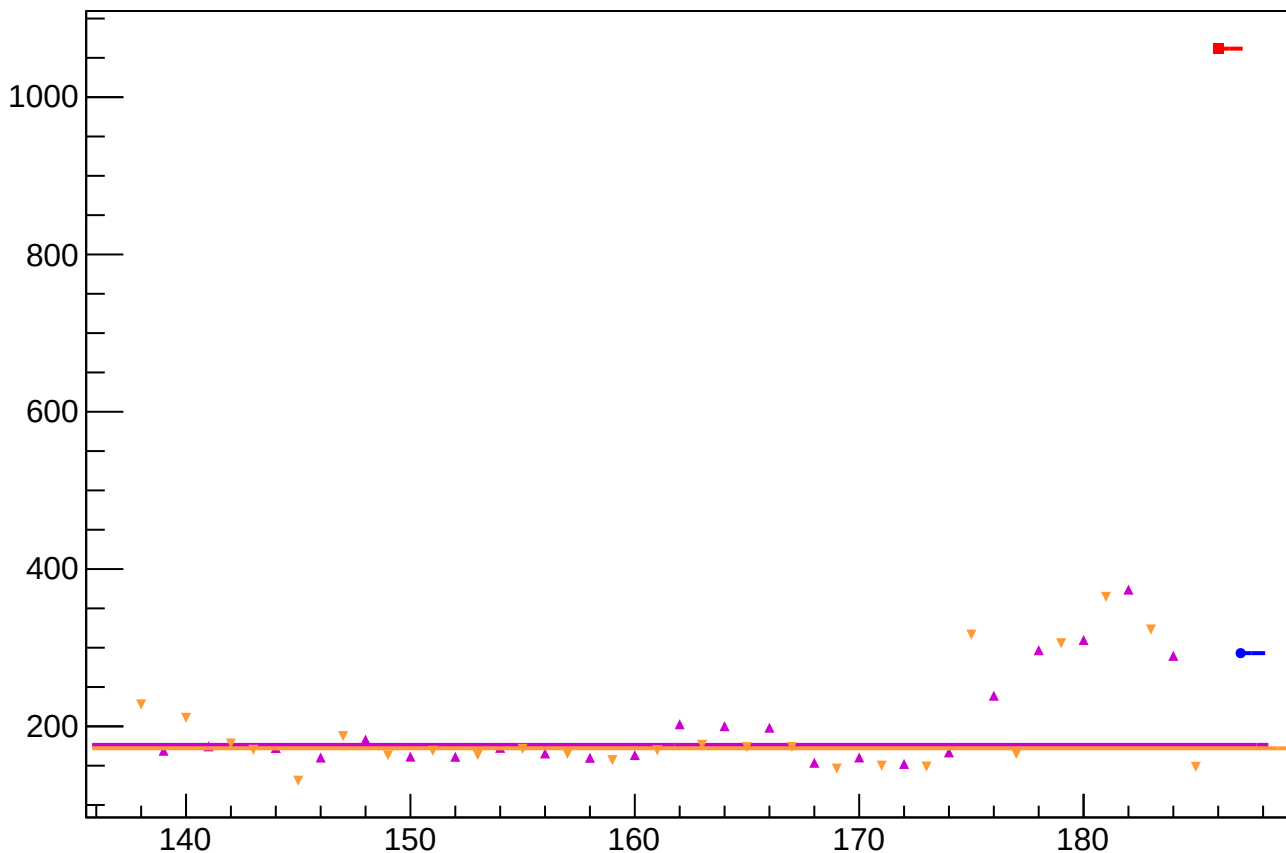
Right: 191.168 $\pm$ 700.401 χ^2 /NDF: 0.0/1

In: 88.828 $\pm$ 43.448 χ^2 /NDF:26.4/23

Out: 45.629 $\pm$ 41.767 χ^2 /NDF:21.9/25

All: 66.377 $\pm$ 30.110 χ^2 /NDF: 48.8/49

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 293.079+/-0.541 χ^2/NDF : 0.0/0

Left Out: 172.097+/-0.030 χ^2/NDF :1752497.1/24

Right Out: 1061.708+/-1.236 χ^2/NDF : 0.0/0

Left In: 176.425+/-0.031 χ^2/NDF :1360607.7/22

Left: 174.173+/-0.021 χ^2/NDF : 3123399.2/47

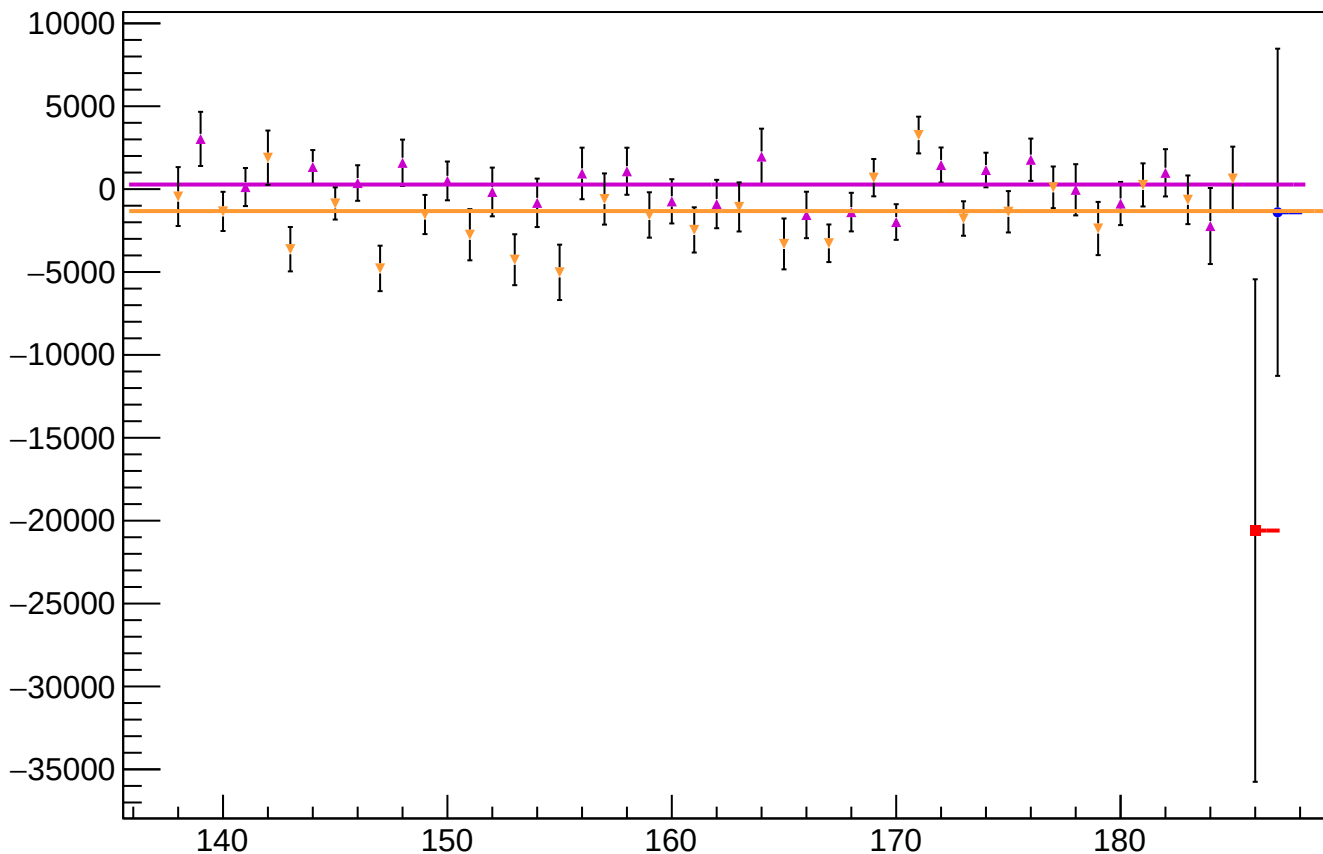
Right: 416.497+/-0.495 χ^2/NDF : 324650.6/1

In: 176.802+/-0.031 χ^2/NDF :1407028.9/23

Out: 172.605+/-0.030 χ^2/NDF :2270283.0/25

All: 174.620+/-0.021 χ^2/NDF : 3687010.9/49

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -1396.663 $\pm$ 9869.299 χ^2 /NDF: 0.0/0

Left Out: -1324.367 $\pm$ 265.950 χ^2 /NDF:53.6/24

Right Out: -20595.593 $\pm$ 15156.045 χ^2 /NDF: 0.0/0

Left In: 276.678 $\pm$ 270.547 χ^2 /NDF:22.0/22

Left: -537.562 $\pm$ 189.659 χ^2 /NDF: 93.5/47

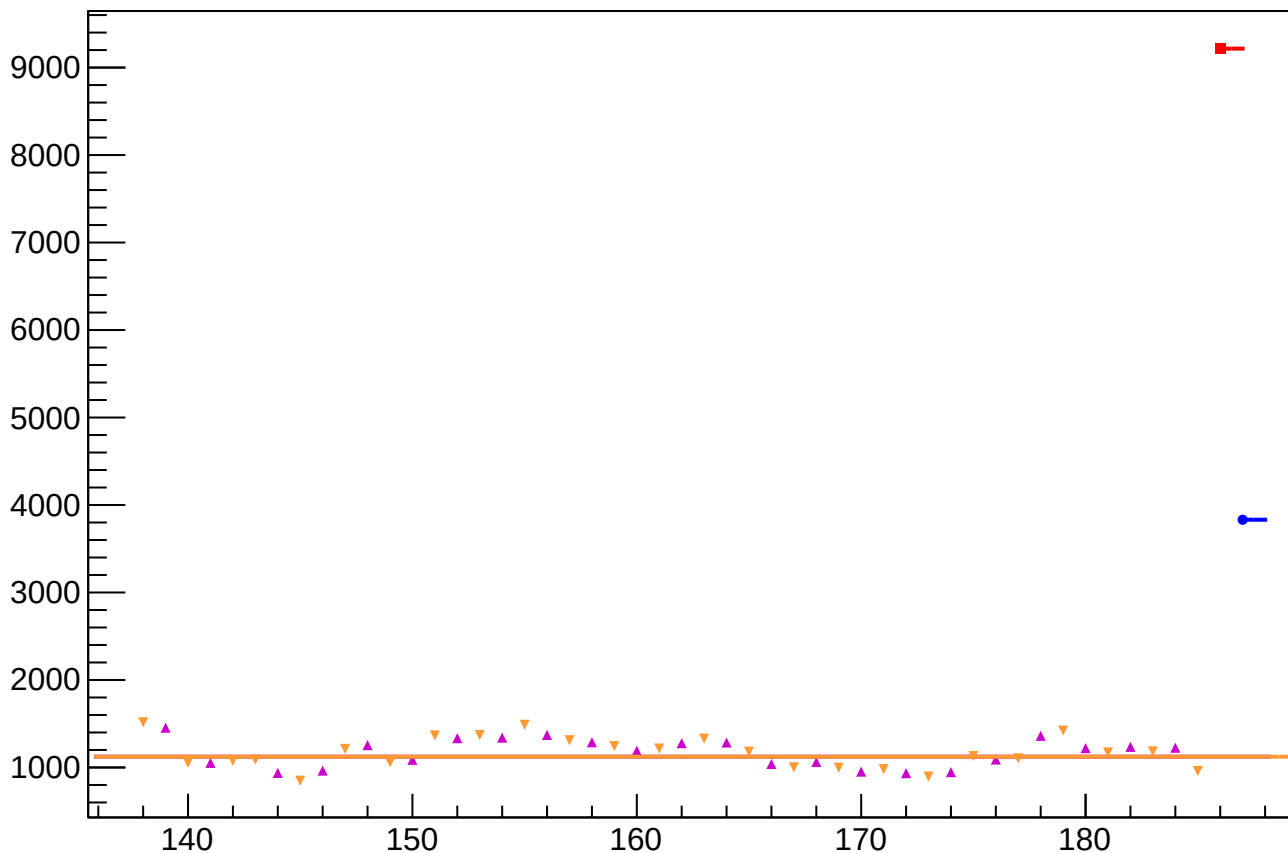
Right: -7113.522 $\pm$ 8270.392 χ^2 /NDF: 1.1/1

In: 275.421 $\pm$ 270.445 χ^2 /NDF:22.0/23

Out: -1330.299 $\pm$ 265.909 χ^2 /NDF:55.2/25

All: -541.018 $\pm$ 189.609 χ^2 /NDF: 95.2/49

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 3831.746 $\pm$ 6.979 χ^2 /NDF: 0.0/0

Left Out: 1123.022 $\pm$ 0.188 χ^2 /NDF:842393.5/24

Right Out: 9216.680 $\pm$ 10.717 χ^2 /NDF: 0.0/0

Left In: 1123.148 $\pm$ 0.191 χ^2 /NDF:689778.4/22

Left: 1123.084 $\pm$ 0.134 χ^2 /NDF: 1532172.1/47

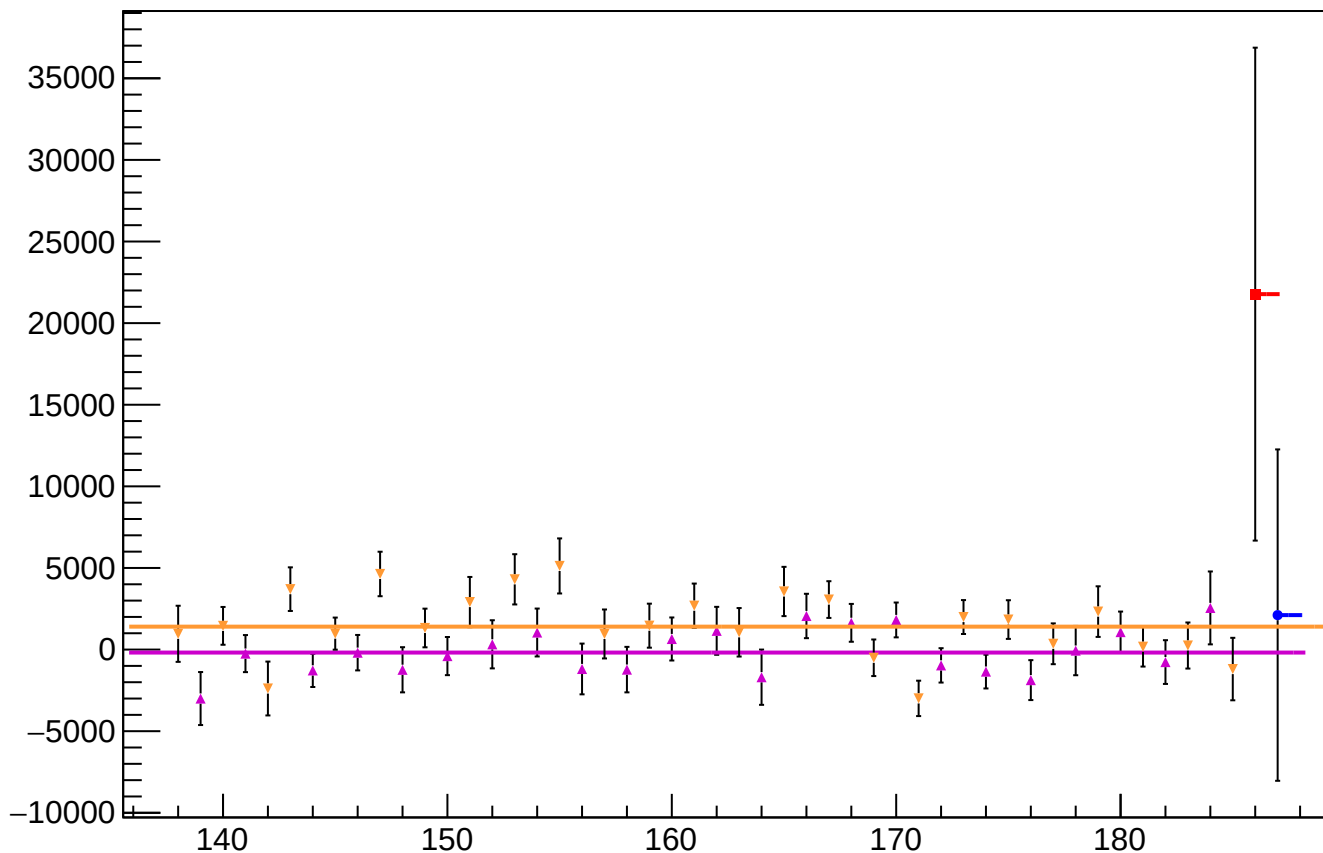
Right: 5435.216 $\pm$ 5.848 χ^2 /NDF: 177295.9/1

In: 1125.182 $\pm$ 0.191 χ^2 /NDF:840307.4/23

Out: 1125.513 $\pm$ 0.188 χ^2 /NDF:1412576.4/25

All: 1125.350 $\pm$ 0.134 χ^2 /NDF: 2252885.4/49

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 2111.622 $\pm$ 10151.201 χ^2 /NDF: 0.0/0

Left Out: 1404.763 $\pm$ 262.517 χ^2 /NDF: 53.1/24

Right Out: 21775.967 $\pm$ 15099.885 χ^2 /NDF: 0.0/0

Left In: -183.249 $\pm$ 267.620 χ^2 /NDF: 23.7/22

Left: 626.041 $\pm$ 187.406 χ^2 /NDF: 94.8/47

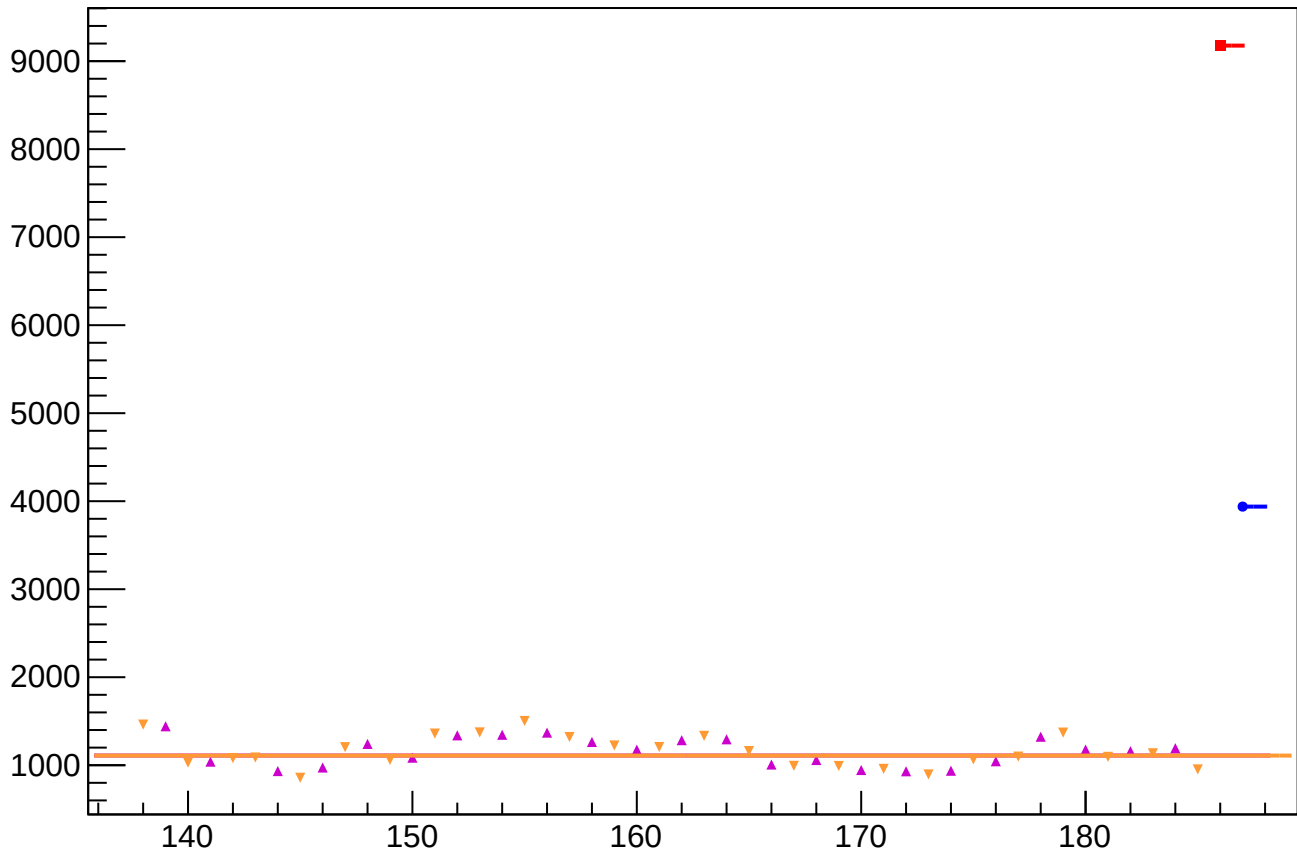
Right: 8232.536 $\pm$ 8424.459 χ^2 /NDF: 1.2/1

In: -181.655 $\pm$ 267.527 χ^2 /NDF: 23.8/23

Out: 1410.918 $\pm$ 262.477 χ^2 /NDF: 54.9/25

All: 629.804 $\pm$ 187.359 χ^2 /NDF: 96.8/49

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 3938.513+/-7.178 χ^2/NDF : 0.0/0

Left Out: 1109.574+/-0.186 χ^2/NDF : 812957.8/24

Right Out: 9176.590+/-10.677 χ^2/NDF : 0.0/0

Left In: 1110.162+/-0.189 χ^2/NDF : 673229.2/22

Left: 1109.863+/-0.133 χ^2/NDF : 1486192.0/47

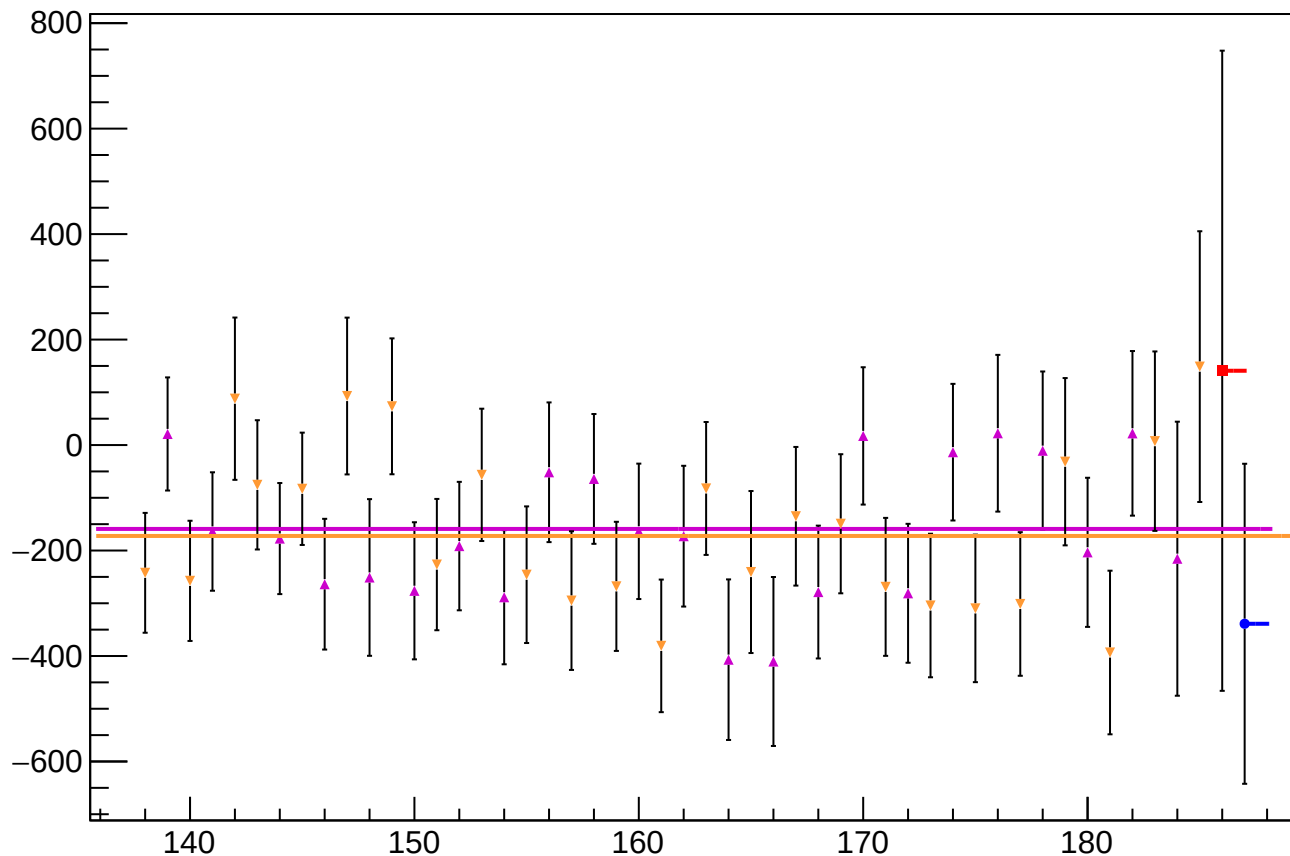
Right: 5568.968+/-5.957 χ^2/NDF : 165758.4/1

In: 1112.127+/-0.189 χ^2/NDF : 828382.2/23

Out: 1112.012+/-0.186 χ^2/NDF : 1383617.6/25

All: 1112.068+/-0.132 χ^2/NDF : 2212000.0/49

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -338.889 ± 303.418 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -172.357 ± 26.709 $\chi^2/\text{NDF}: 27.2/24$

Right Out: 140.889 ± 606.920 $\chi^2/\text{NDF}: 0.0/0$

Left In: -159.044 ± 27.608 $\chi^2/\text{NDF}: 21.1/22$

Left: -165.921 ± 19.196 $\chi^2/\text{NDF}: 48.4/47$

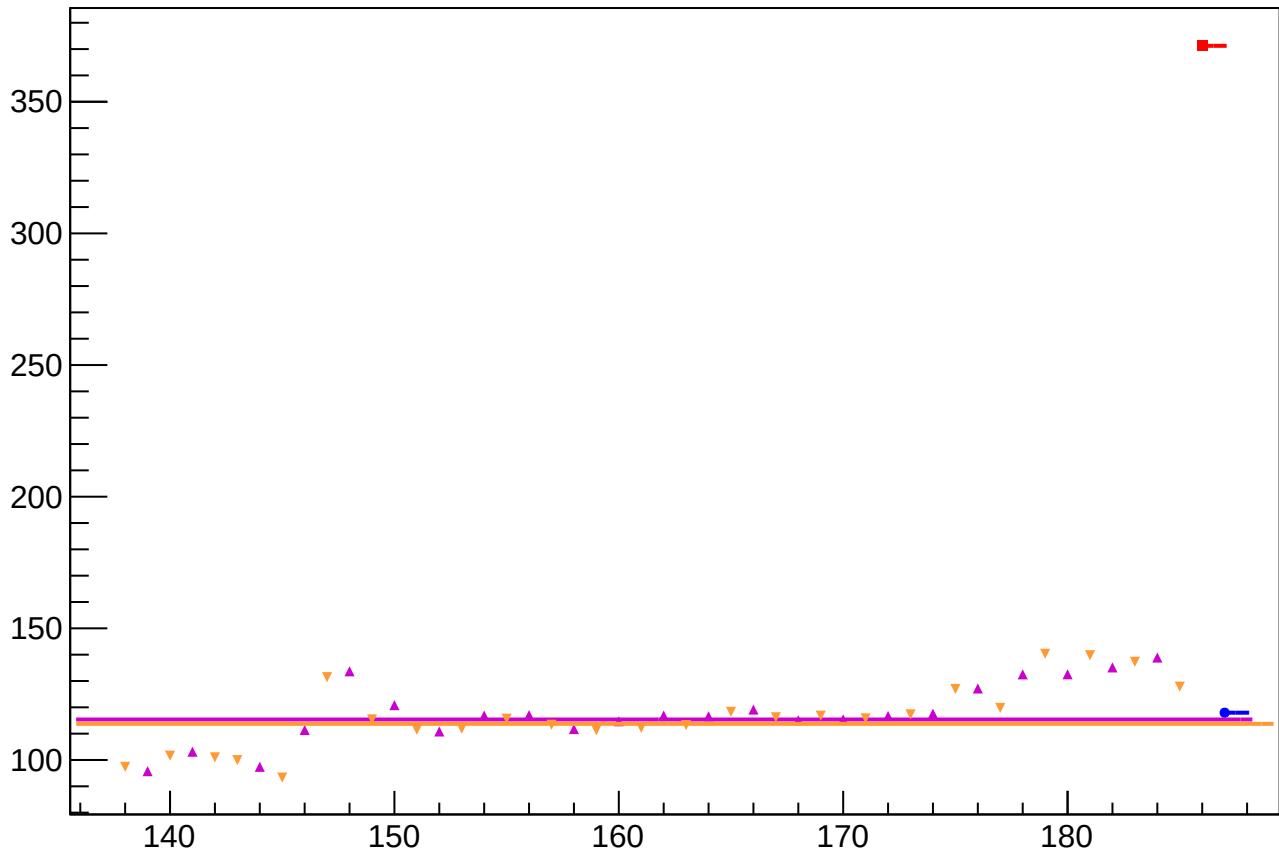
Right: -242.955 ± 271.393 $\chi^2/\text{NDF}: 0.5/1$

In: -160.520 ± 27.494 $\chi^2/\text{NDF}: 21.4/23$

Out: -171.751 ± 26.683 $\chi^2/\text{NDF}: 27.5/25$

All: -166.304 ± 19.148 $\chi^2/\text{NDF}: 49.0/49$

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 117.962 $\pm$ 0.215 χ^2 /NDF: 0.0/0

Left Out: 113.727 $\pm$ 0.019 χ^2 /NDF: 392153.8/24

Right Out: 371.249 $\pm$ 0.429 χ^2 /NDF: 0.0/0

Left In: 115.377 $\pm$ 0.020 χ^2 /NDF: 309034.7/22

Left: 114.525 $\pm$ 0.014 χ^2 /NDF: 704876.2/47

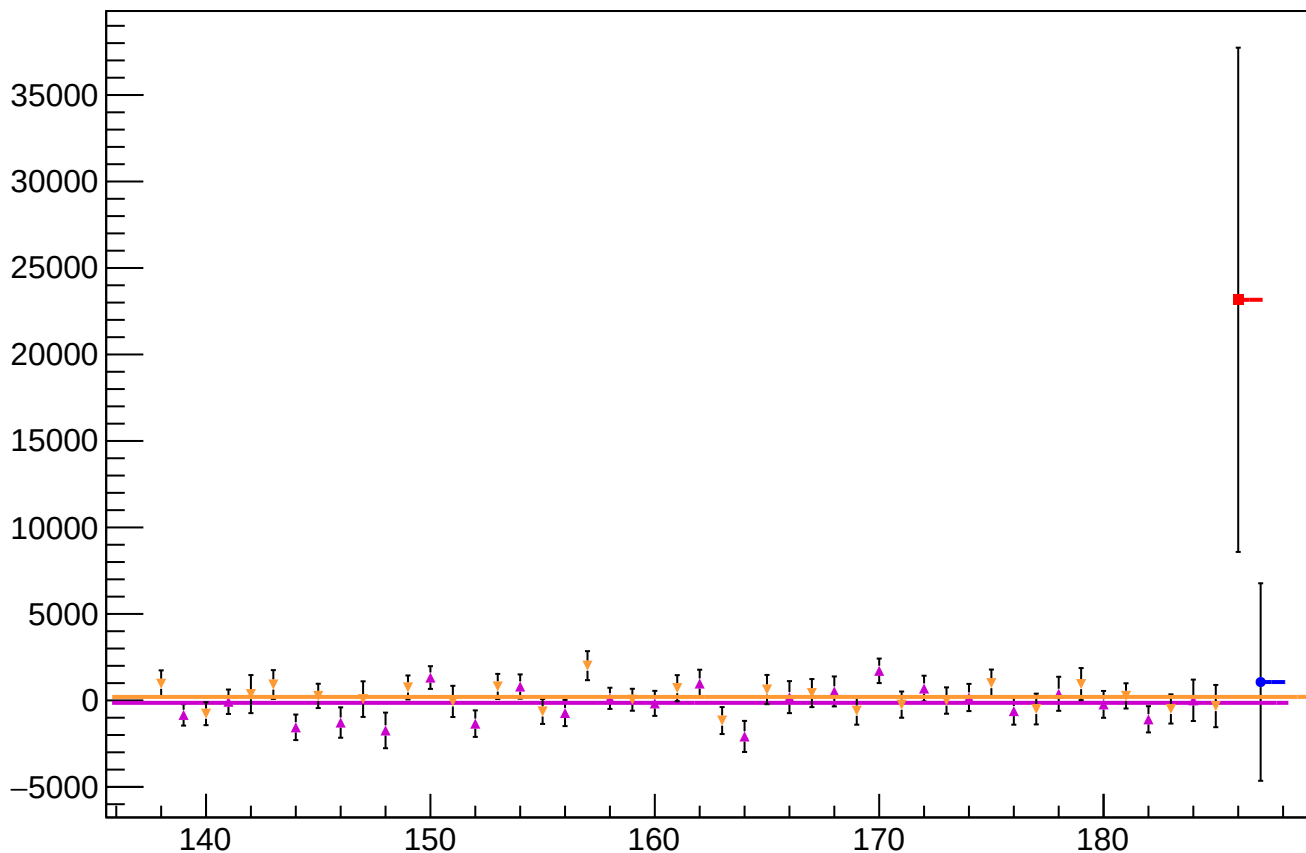
Right: 168.608 $\pm$ 0.192 χ^2 /NDF: 278680.6/1

In: 115.398 $\pm$ 0.019 χ^2 /NDF: 309178.7/23

Out: 114.225 $\pm$ 0.019 χ^2 /NDF: 751534.1/25

All: 114.794 $\pm$ 0.014 χ^2 /NDF: 1062587.2/49

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: 1062.045 $\pm$ 5709.122 χ^2 /NDF: 0.0/0

Left Out: 202.466 $\pm$ 159.030 χ^2 /NDF:19.8/24

Right Out: 23160.936 $\pm$ 14576.091 χ^2 /NDF: 0.0/0

Left In: -140.039 $\pm$ 161.024 χ^2 /NDF:36.9/22

Left: 33.348 $\pm$ 113.149 χ^2 /NDF: 58.9/47

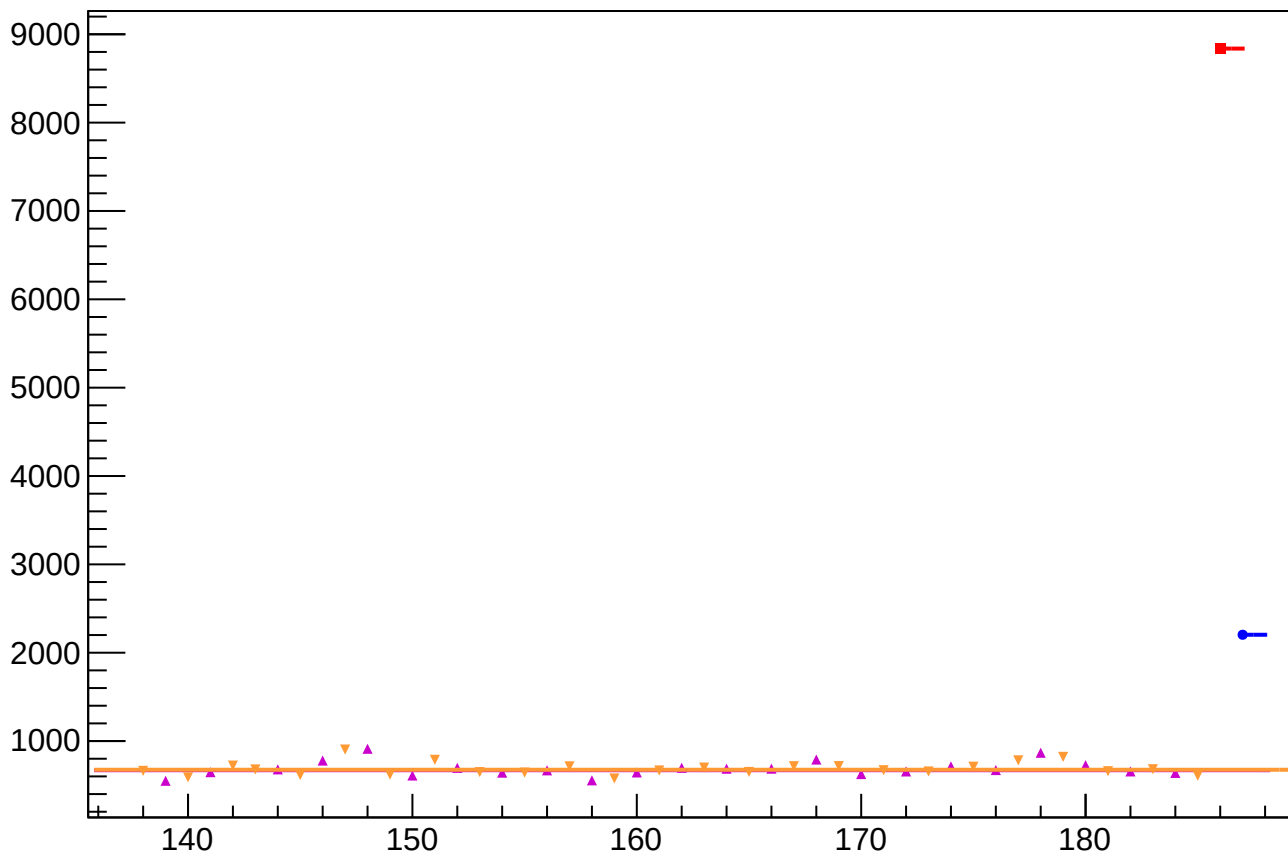
Right: 4001.339 $\pm$ 5315.906 χ^2 /NDF: 2.0/1

In: -139.083 $\pm$ 160.960 χ^2 /NDF:36.9/23

Out: 205.199 $\pm$ 159.020 χ^2 /NDF:22.3/25

All: 35.144 $\pm$ 113.124 χ^2 /NDF: 61.5/49

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 2203.147 $\pm$ 4.037 χ^2 /NDF: 0.0/0

Left Out: 675.335 $\pm$ 0.112 χ^2 /NDF: 358713.6/24

Right Out: 8838.020 $\pm$ 10.307 χ^2 /NDF: 0.0/0

Left In: 669.938 $\pm$ 0.114 χ^2 /NDF: 464085.7/22

Left: 672.670 $\pm$ 0.080 χ^2 /NDF: 823936.7/47

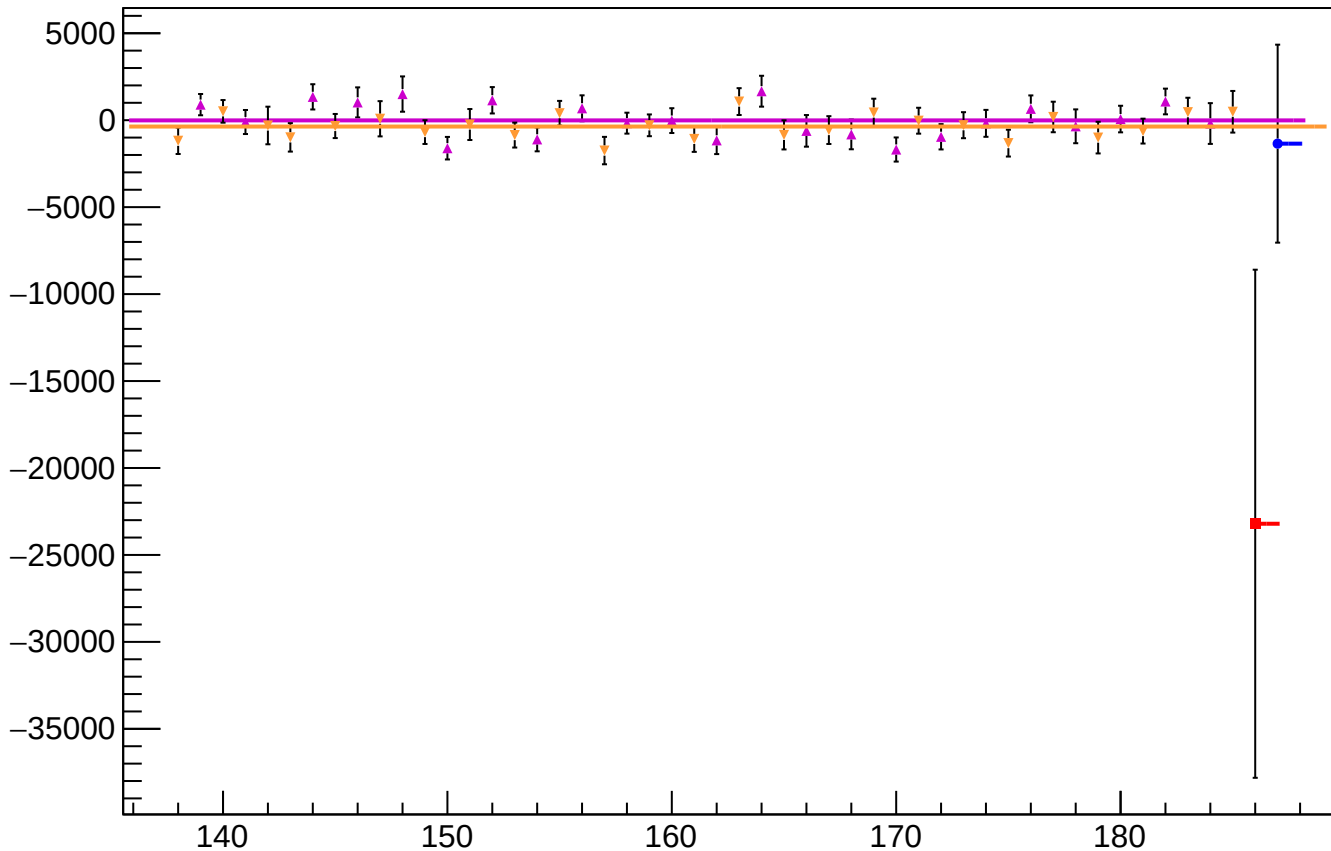
Right: 3085.627 $\pm$ 3.759 χ^2 /NDF: 359276.7/1

In: 671.156 $\pm$ 0.114 χ^2 /NDF: 608213.9/23

Out: 676.306 $\pm$ 0.112 χ^2 /NDF: 985850.4/25

All: 673.762 $\pm$ 0.080 χ^2 /NDF: 1595100.3/49

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -1349.629+/-5692.387 χ^2/NDF : 0.0/0

Left Out: -365.394+/-156.301 χ^2/NDF : 18.7/24

Right Out: -23206.426+/-14608.895 χ^2/NDF : 0.0/0

Left In: -11.243+/-158.497 χ^2/NDF : 38.8/22

Left: -190.789+/-111.290 χ^2/NDF : 60.1/47

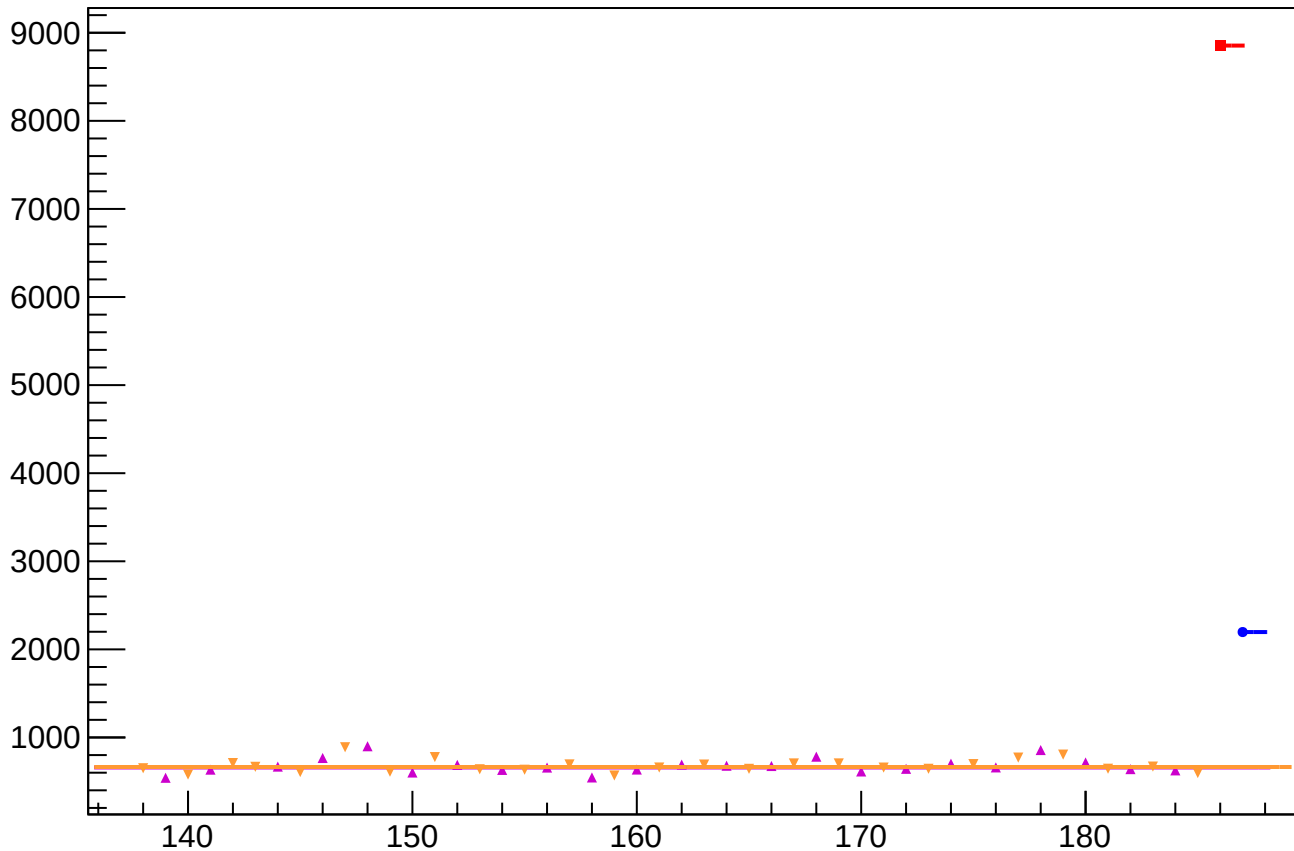
Right: -4230.691+/-5303.963 χ^2/NDF : 1.9/1

In: -12.280+/-158.436 χ^2/NDF : 38.9/23

Out: -368.008+/-156.292 χ^2/NDF : 21.2/25

All: -192.567+/-111.265 χ^2/NDF : 62.6/49

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 2196.584 $\pm$ 4.025 χ^2 /NDF: 0.0/0

Left Out: 664.618 $\pm$ 0.111 χ^2 /NDF: 356964.3/24

Right Out: 8854.443 $\pm$ 10.330 χ^2 /NDF: 0.0/0

Left In: 659.230 $\pm$ 0.112 χ^2 /NDF: 472744.9/22

Left: 661.962 $\pm$ 0.079 χ^2 /NDF: 830881.0/47

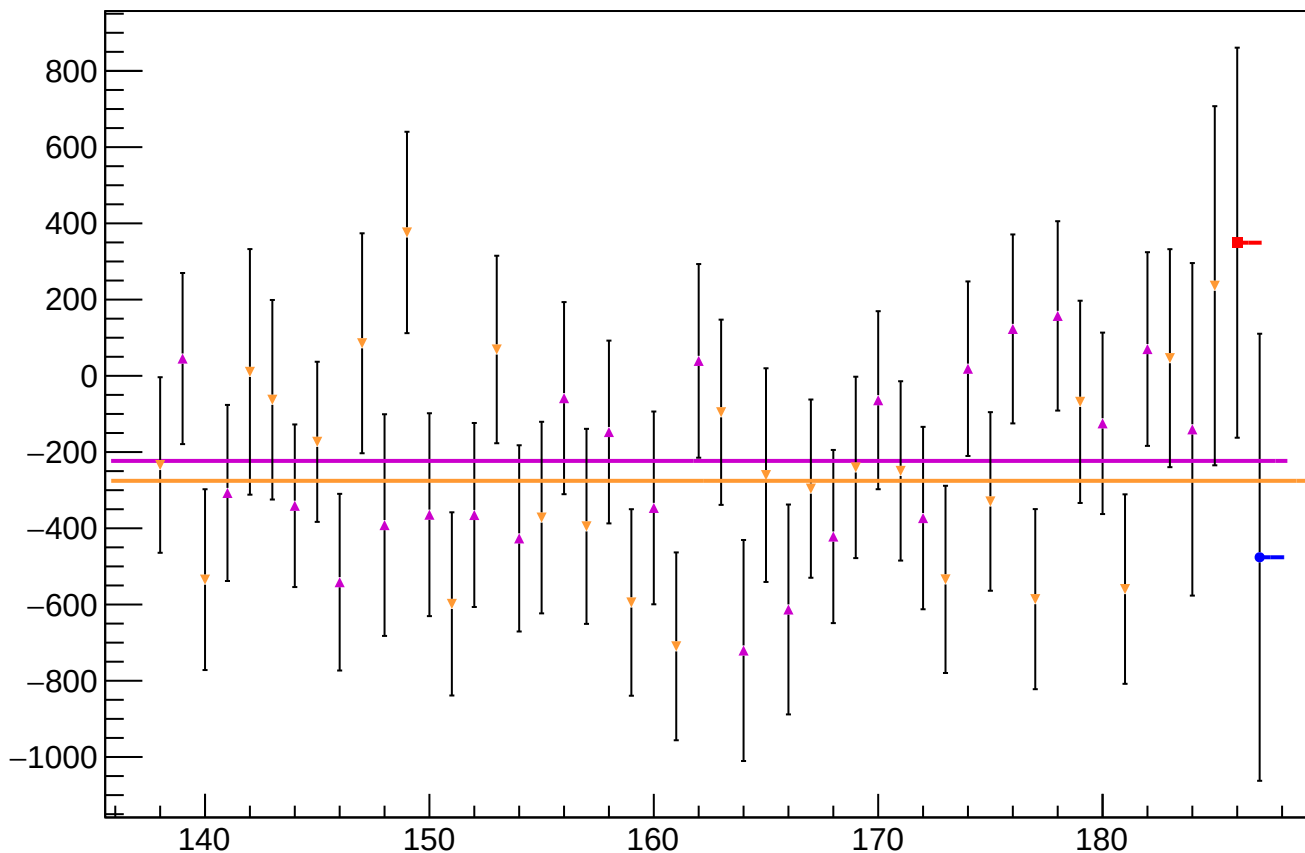
Right: 3074.193 $\pm$ 3.750 χ^2 /NDF: 360642.2/1

In: 660.421 $\pm$ 0.112 χ^2 /NDF: 618509.6/23

Out: 665.556 $\pm$ 0.111 χ^2 /NDF: 985449.2/25

All: 663.023 $\pm$ 0.079 χ^2 /NDF: 1605023.4/49

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: -476.011 $\pm$ 586.449 χ^2 /NDF: 0.0/0

Left Out: -275.447 $\pm$ 50.539 χ^2 /NDF:27.3/24

Right Out: 349.282 $\pm$ 511.678 χ^2 /NDF: 0.0/0

Left In: -223.195 $\pm$ 51.742 χ^2 /NDF:20.8/22

Left: -249.935 $\pm$ 36.154 χ^2 /NDF: 48.6/47

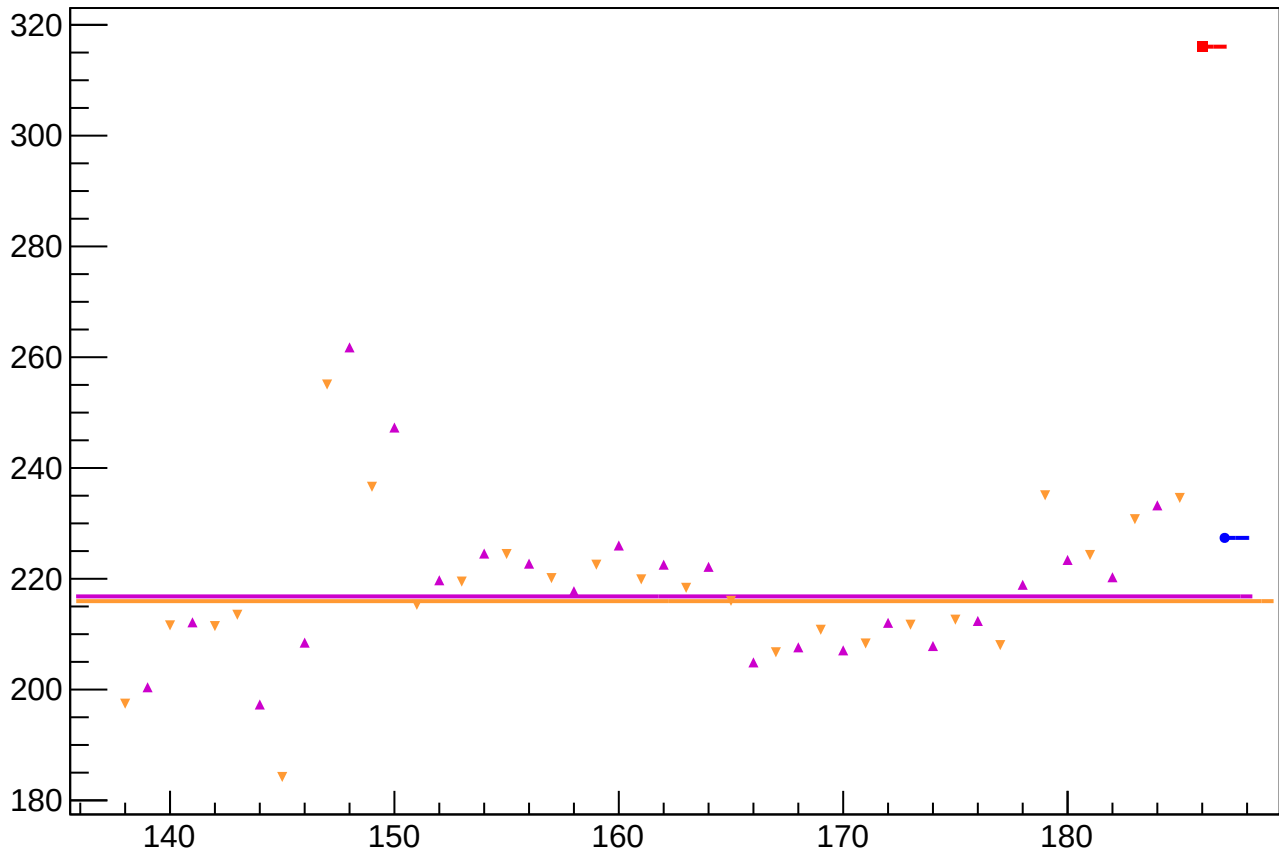
Right: -7.430 $\pm$ 385.554 χ^2 /NDF: 1.1/1

In: -225.147 $\pm$ 51.541 χ^2 /NDF:20.9/23

Out: -269.411 $\pm$ 50.295 χ^2 /NDF:28.8/25

All: -247.821 $\pm$ 35.996 χ^2 /NDF: 50.1/49

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 227.383 $\pm$ 0.415 χ^2 /NDF: 0.0/0

Left Out: 215.963 $\pm$ 0.036 χ^2 /NDF:144735.1/24

Right Out: 316.062 $\pm$ 0.362 χ^2 /NDF: 0.0/0

Left In: 216.821 $\pm$ 0.037 χ^2 /NDF:132518.8/22

Left: 216.382 $\pm$ 0.026 χ^2 /NDF: 277535.4/47

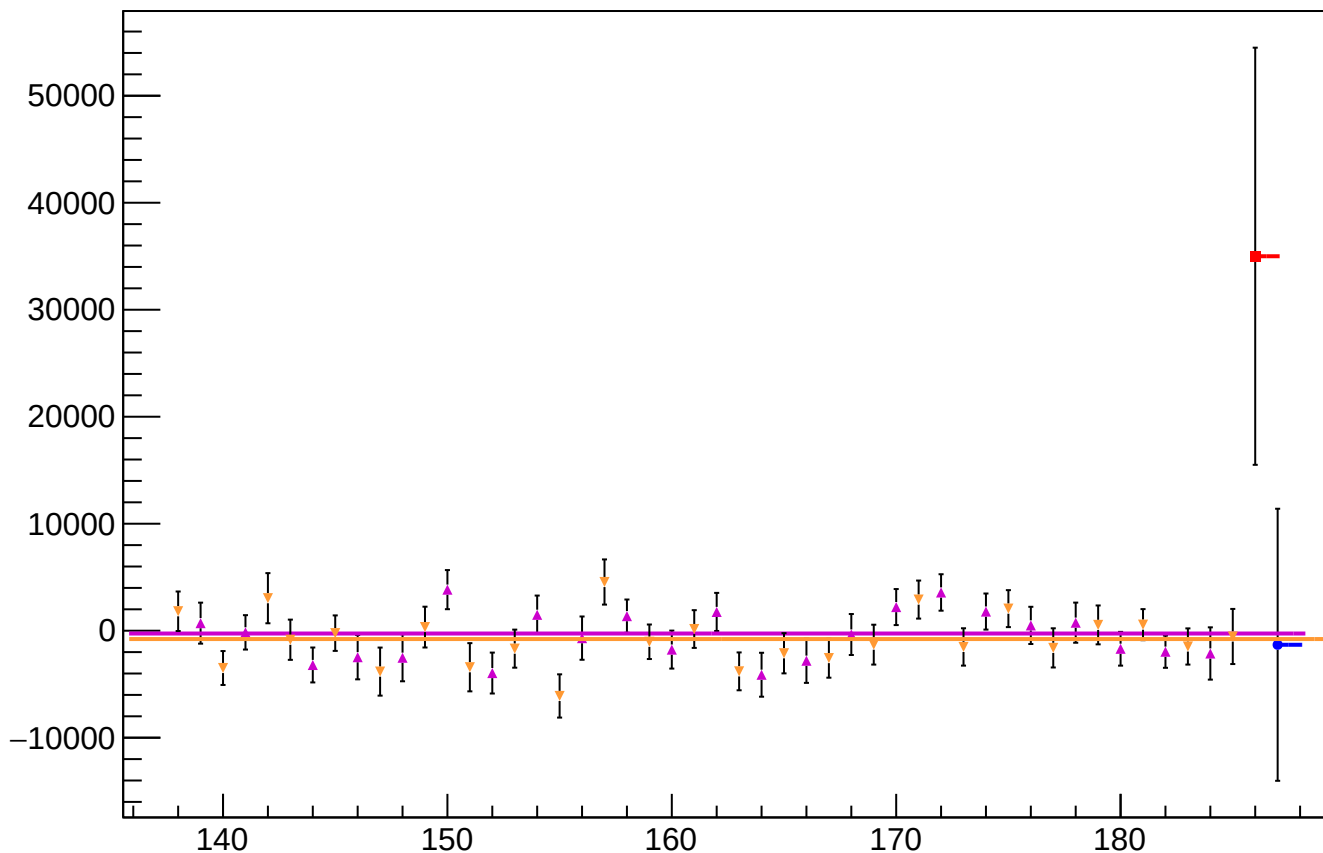
Right: 277.733 $\pm$ 0.273 χ^2 /NDF: 25964.7/1

In: 216.903 $\pm$ 0.036 χ^2 /NDF:133162.6/23

Out: 216.930 $\pm$ 0.036 χ^2 /NDF:220536.6/25

All: 216.917 $\pm$ 0.025 χ^2 /NDF: 353699.5/49

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1314.000 $\pm$ 12713.694 χ^2 /NDF: 0.0/0

Left Out: -779.146 $\pm$ 366.965 χ^2 /NDF:38.5/24

Right Out: 34998.912 $\pm$ 19494.191 χ^2 /NDF: 0.0/0

Left In: -261.815 $\pm$ 376.203 χ^2 /NDF:35.4/22

Left: -526.910 $\pm$ 262.688 χ^2 /NDF: 74.9/47

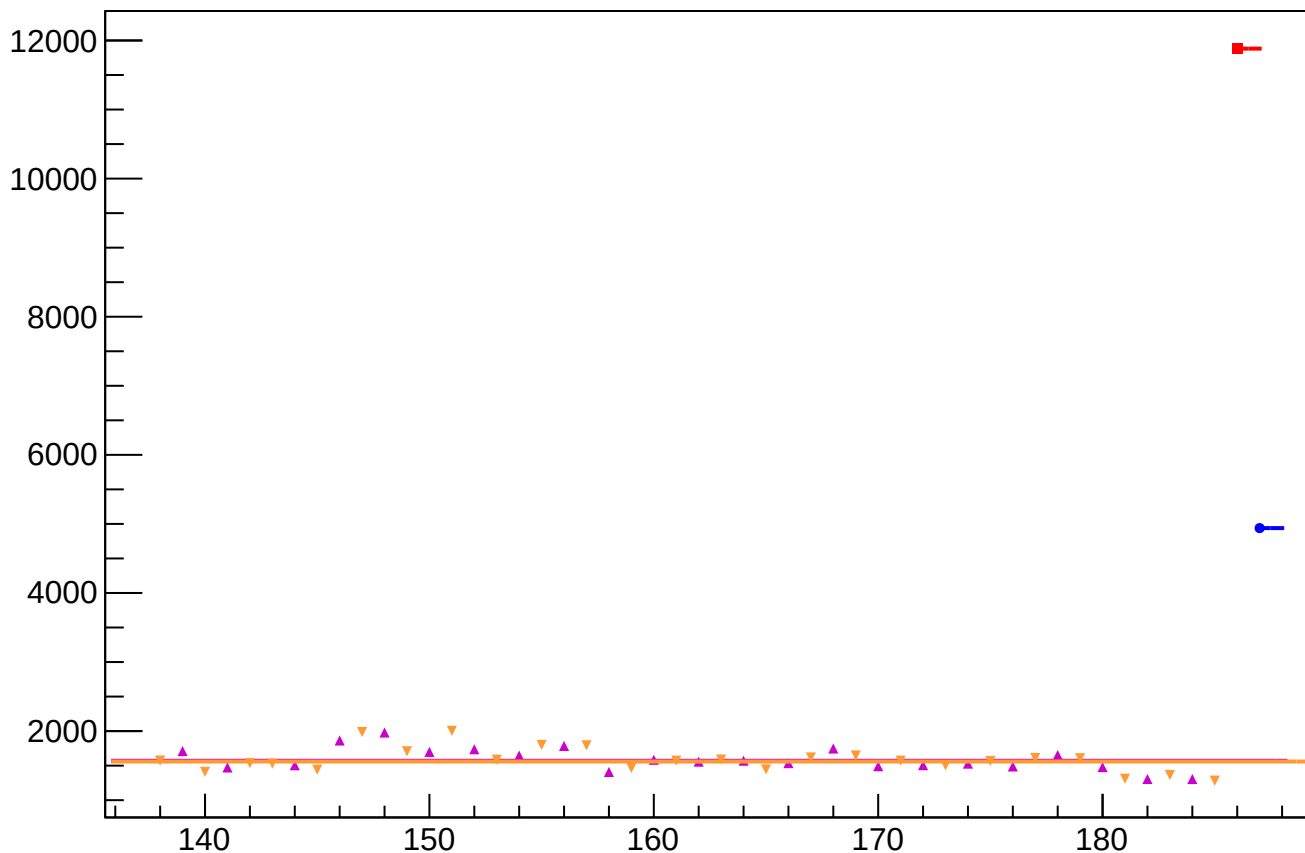
Right: 9522.190 $\pm$ 10649.102 χ^2 /NDF: 2.4/1

In: -262.735 $\pm$ 376.038 χ^2 /NDF:35.5/23

Out: -766.472 $\pm$ 366.900 χ^2 /NDF:41.8/25

All: -520.799 $\pm$ 262.609 χ^2 /NDF: 78.2/49

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 4939.505+/-8.990 χ^2/NDF : 0.0/0

Left Out: 1559.504+/-0.259 χ^2/NDF : 379160.1/24

Right Out: 11882.091+/-13.784 χ^2/NDF : 0.0/0

Left In: 1570.331+/-0.266 χ^2/NDF : 329434.5/22

Left: 1564.783+/-0.186 χ^2/NDF : 709443.3/47

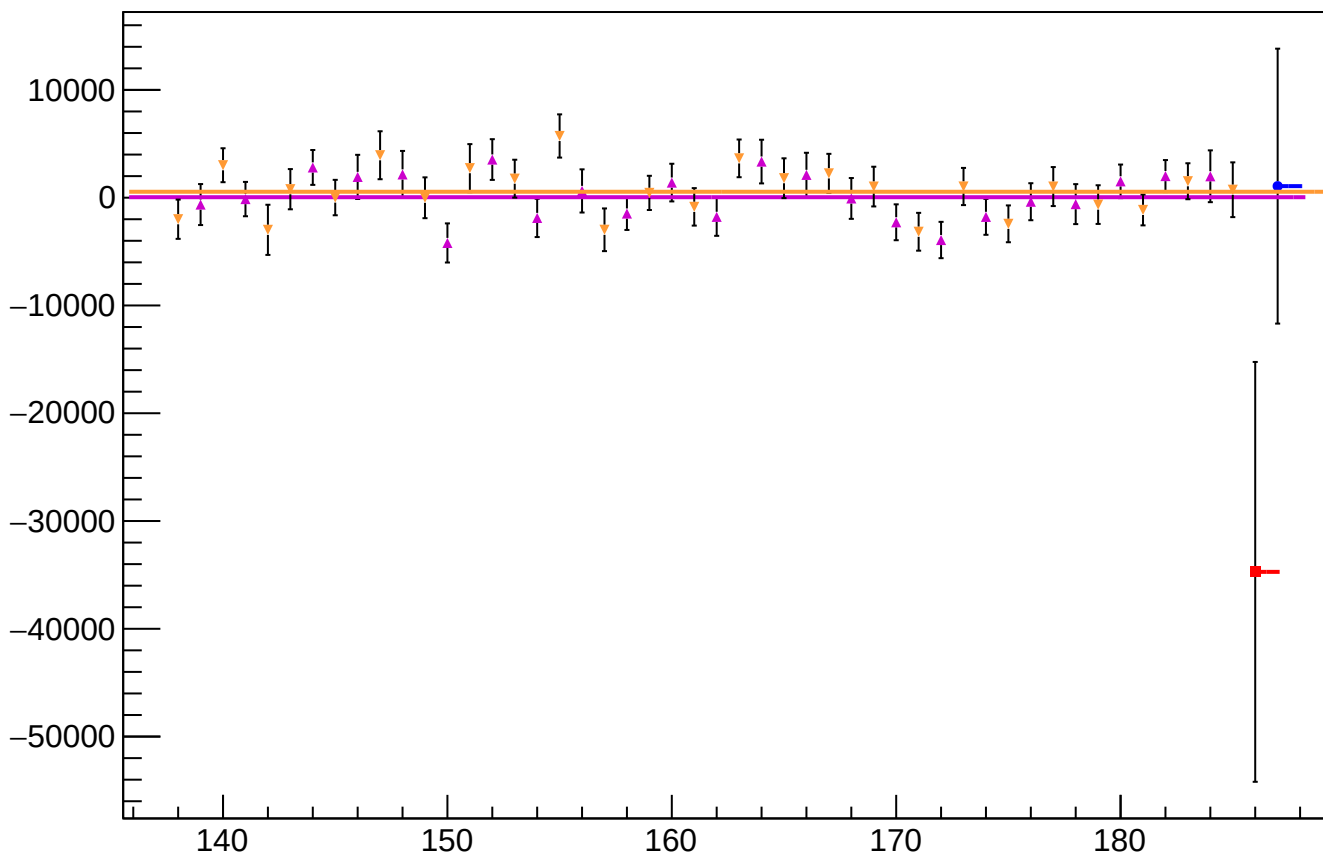
Right: 7011.252+/-7.530 χ^2/NDF : 177969.1/1

In: 1573.278+/-0.266 χ^2/NDF : 469765.4/23

Out: 1563.161+/-0.259 χ^2/NDF : 939746.7/25

All: 1568.095+/-0.186 χ^2/NDF : 1410253.7/49

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1071.971+/-12754.068 χ^2/NDF : 0.0/0

Left Out: 550.093+/-362.172 χ^2/NDF :35.6/24

Right Out: -34718.786+/-19477.883 χ^2/NDF : 0.0/0

Left In: 43.949+/-371.765 χ^2/NDF :33.5/22

Left: 303.636+/-259.420 χ^2/NDF : 70.0/47

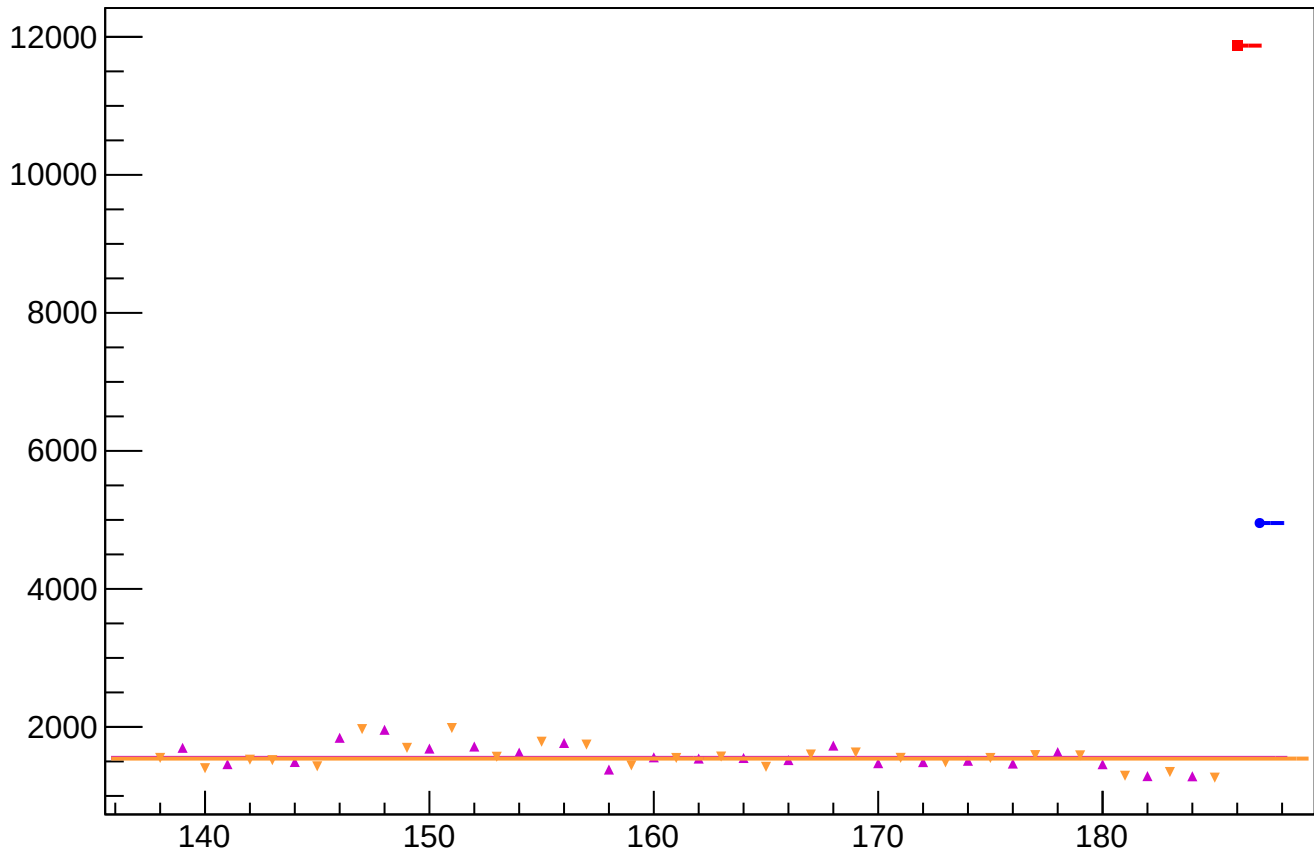
Right: -9668.557+/-10670.116 χ^2/NDF : 2.4/1

In: 44.822+/-371.608 χ^2/NDF :33.5/23

Out: 537.904+/-362.110 χ^2/NDF :38.8/25

All: 297.745+/-259.343 χ^2/NDF : 73.3/49

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 4954.641+/-9.018 χ^2/NDF : 0.0/0

Left Out: 1541.149+/-0.256 χ^2/NDF : 382077.8/24

Right Out: 11873.199+/-13.773 χ^2/NDF : 0.0/0

Left In: 1551.481+/-0.263 χ^2/NDF : 339002.9/22

Left: 1546.180+/-0.183 χ^2/NDF : 721873.3/47

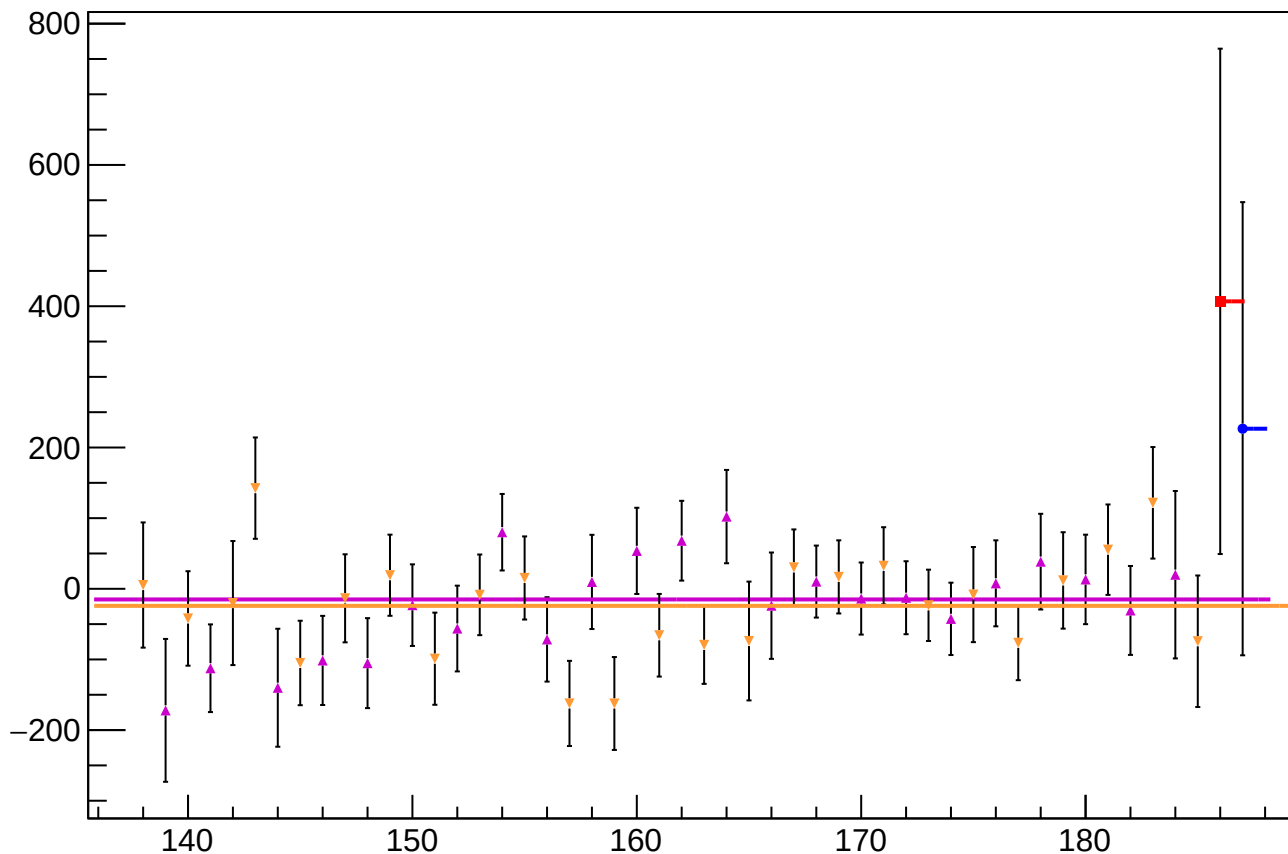
Right: 7030.846+/-7.545 χ^2/NDF : 176611.3/1

In: 1554.370+/-0.263 χ^2/NDF : 481277.9/23

Out: 1544.719+/-0.256 χ^2/NDF : 944638.5/25

All: 1549.420+/-0.183 χ^2/NDF : 1426608.2/49

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 226.608 $\pm$ 320.736 χ^2 /NDF: 0.0/0

Left Out: -24.126 $\pm$ 12.525 χ^2 /NDF:30.7/24

Right Out: 406.898 $\pm$ 357.691 χ^2 /NDF: 0.0/0

Left In: -15.058 $\pm$ 12.921 χ^2 /NDF:23.8/22

Left: -19.733 $\pm$ 8.993 χ^2 /NDF: 54.8/47

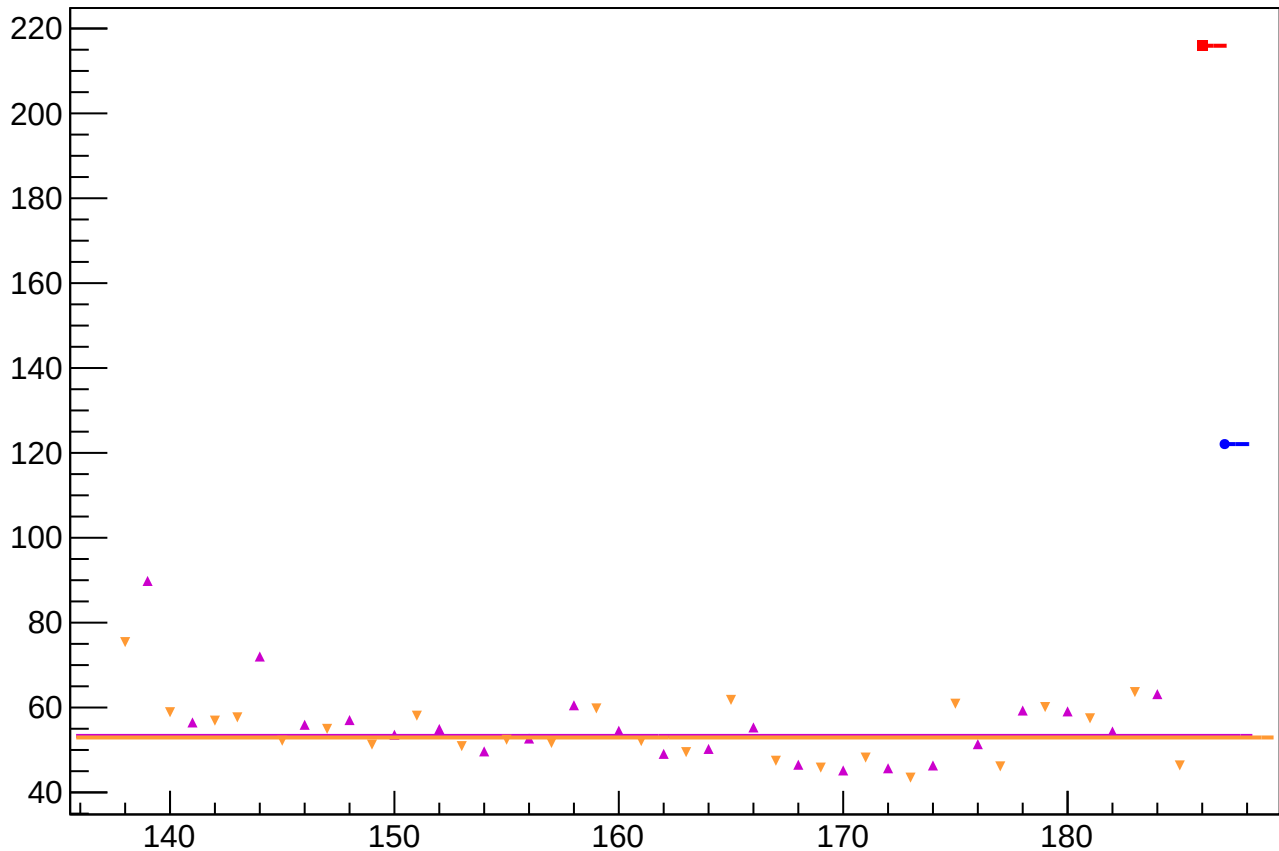
Right: 306.961 $\pm$ 238.795 χ^2 /NDF: 0.1/1

In: -14.667 $\pm$ 12.911 χ^2 /NDF:24.4/23

Out: -23.598 $\pm$ 12.517 χ^2 /NDF:32.1/25

All: -19.271 $\pm$ 8.987 χ^2 /NDF: 56.8/49

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 122.074 $\pm$ 0.227 χ^2 /NDF: 0.0/0

Left Out: 52.942 $\pm$ 0.009 χ^2 /NDF:513146.0/24

Right Out: 215.937 $\pm$ 0.253 χ^2 /NDF: 0.0/0

Left In: 53.312 $\pm$ 0.009 χ^2 /NDF:644220.1/22

Left: 53.121 $\pm$ 0.006 χ^2 /NDF: 1158211.4/47

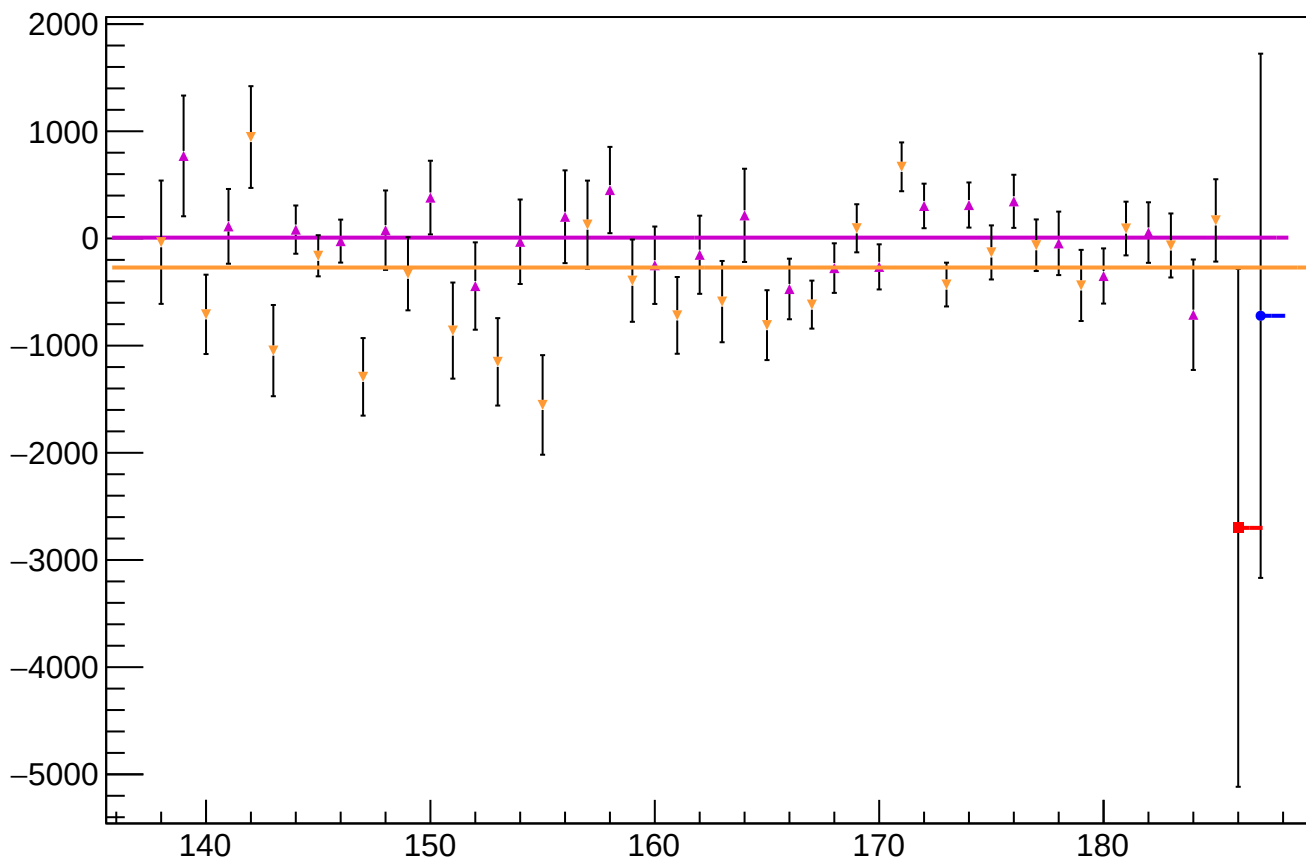
Right: 163.908 $\pm$ 0.169 χ^2 /NDF: 76339.4/1

In: 53.423 $\pm$ 0.009 χ^2 /NDF:735996.2/23

Out: 53.142 $\pm$ 0.009 χ^2 /NDF:927935.7/25

All: 53.278 $\pm$ 0.006 χ^2 /NDF: 1664422.9/49

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -721.606 $\pm$ 2445.605 χ^2 /NDF: 0.0/0

Left Out: -271.240 $\pm$ 60.285 χ^2 /NDF:67.7/24

Right Out: -2700.386 $\pm$ 2415.822 χ^2 /NDF: 0.0/0

Left In: 7.535 $\pm$ 60.328 χ^2 /NDF:22.9/22

Left: -131.952 $\pm$ 42.643 χ^2 /NDF: 101.2/47

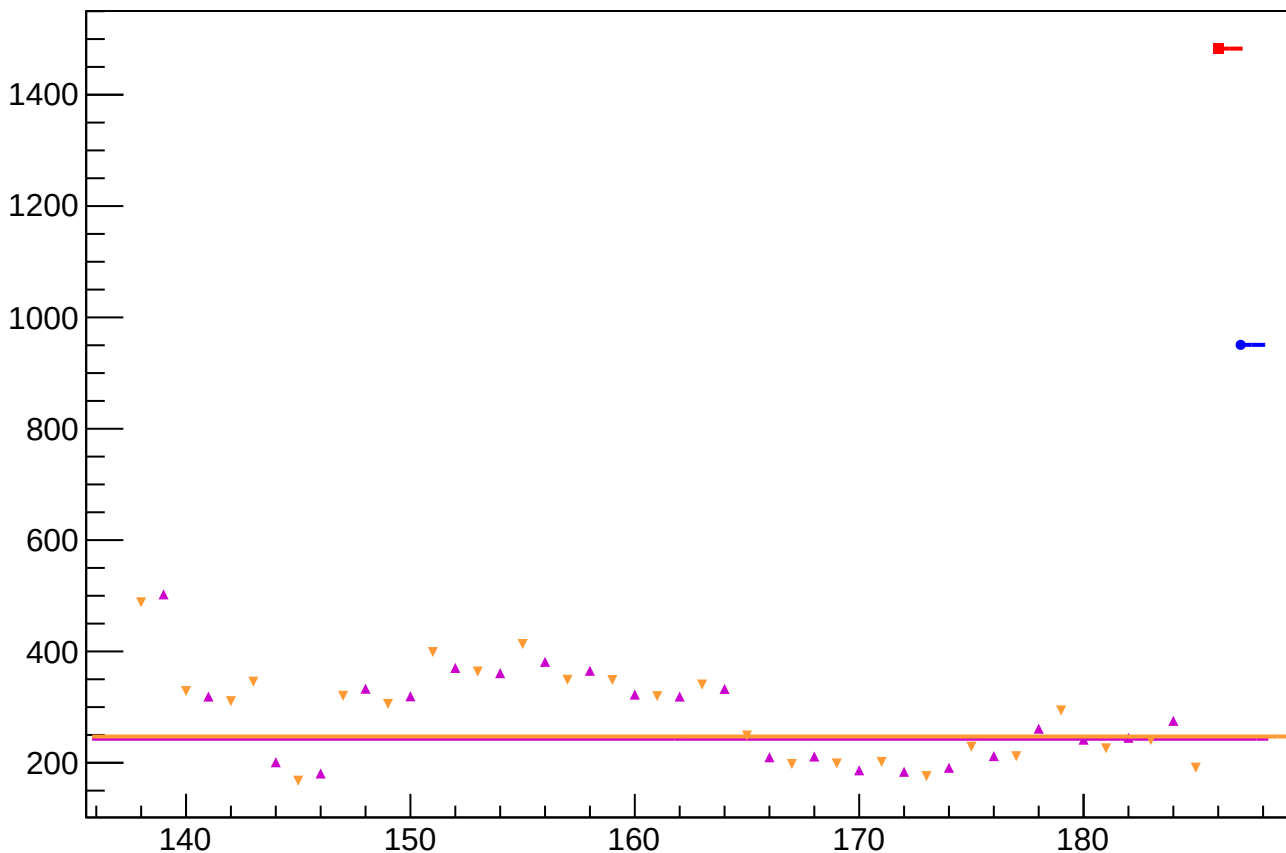
Right: -1723.118 $\pm$ 1718.677 χ^2 /NDF: 0.3/1

In: 7.091 $\pm$ 60.309 χ^2 /NDF:22.9/23

Out: -272.752 $\pm$ 60.266 χ^2 /NDF:68.7/25

All: -132.931 $\pm$ 42.630 χ^2 /NDF: 102.4/49

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 950.726+/-1.729 χ^2/NDF : 0.0/0

Left Out: 247.166+/-0.043 χ^2/NDF : 2853302.0/24

Right Out: 1482.845+/-1.708 χ^2/NDF : 0.0/0

Left In: 243.189+/-0.043 χ^2/NDF : 2571190.8/22

Left: 245.179+/-0.030 χ^2/NDF : 5428841.5/47

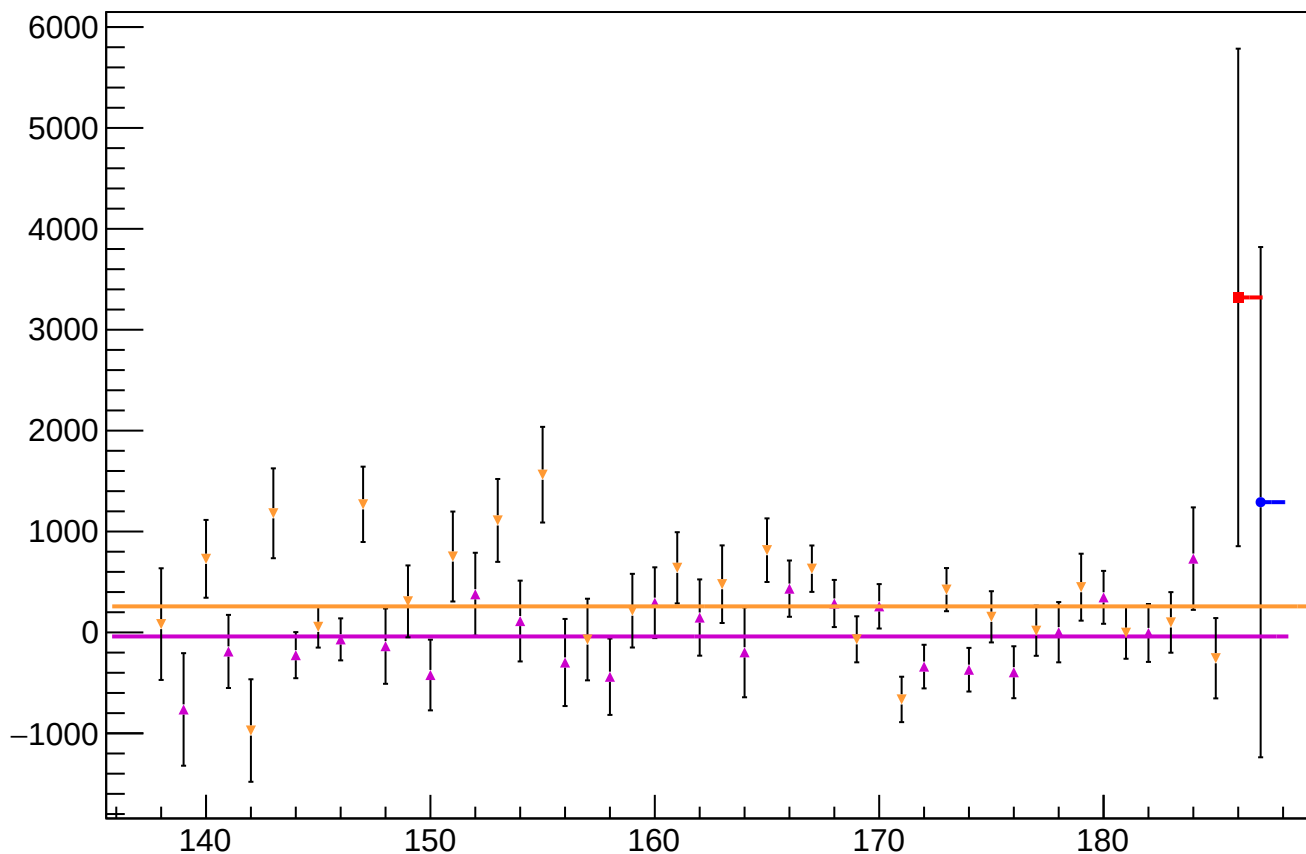
Right: 1220.045+/-1.215 χ^2/NDF : 47921.9/1

In: 243.619+/-0.043 χ^2/NDF : 2738489.1/23

Out: 247.935+/-0.043 χ^2/NDF : 3376229.1/25

All: 245.778+/-0.030 χ^2/NDF : 6119842.5/49

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 1290.959+/-2528.638 χ^2/NDF : 0.0/0

Left Out: 258.044+/-61.488 χ^2/NDF : 65.0/24

Right Out: 3320.099+/-2465.561 χ^2/NDF : 0.0/0

Left In: -40.015+/-61.495 χ^2/NDF : 25.0/22

Left: 109.033+/-43.481 χ^2/NDF : 101.8/47

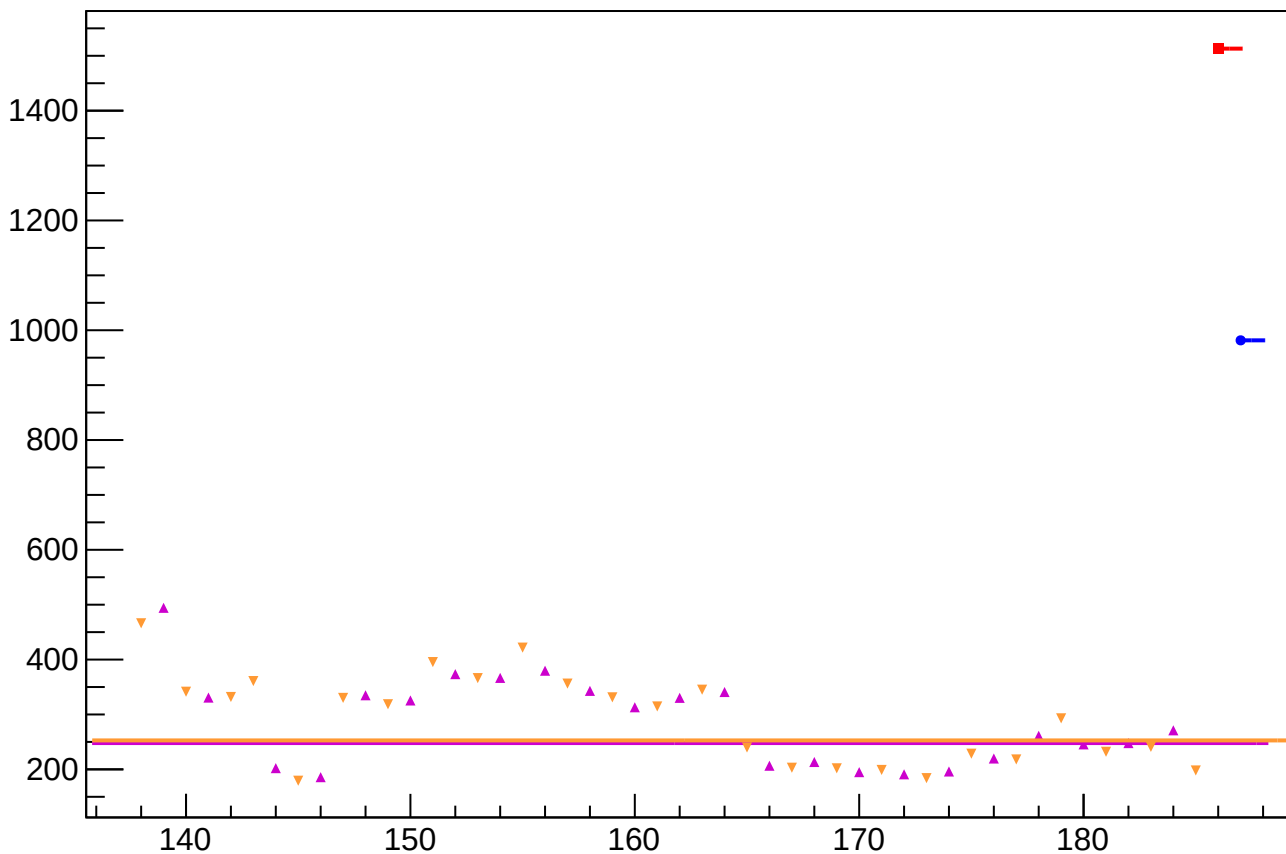
Right: 2331.153+/-1765.294 χ^2/NDF : 0.3/1

In: -39.229+/-61.477 χ^2/NDF : 25.3/23

Out: 259.947+/-61.468 χ^2/NDF : 66.5/25

All: 110.380+/-43.468 χ^2/NDF : 103.7/49

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 981.598+/-1.788 χ^2/NDF : 0.0/0

Left Out: 252.721+/-0.043 χ^2/NDF :2648800.3/24

Right Out: 1513.047+/-1.743 χ^2/NDF : 0.0/0

Left In: 247.919+/-0.043 χ^2/NDF :2374698.8/22

Left: 250.320+/-0.031 χ^2/NDF : 5029597.8/47

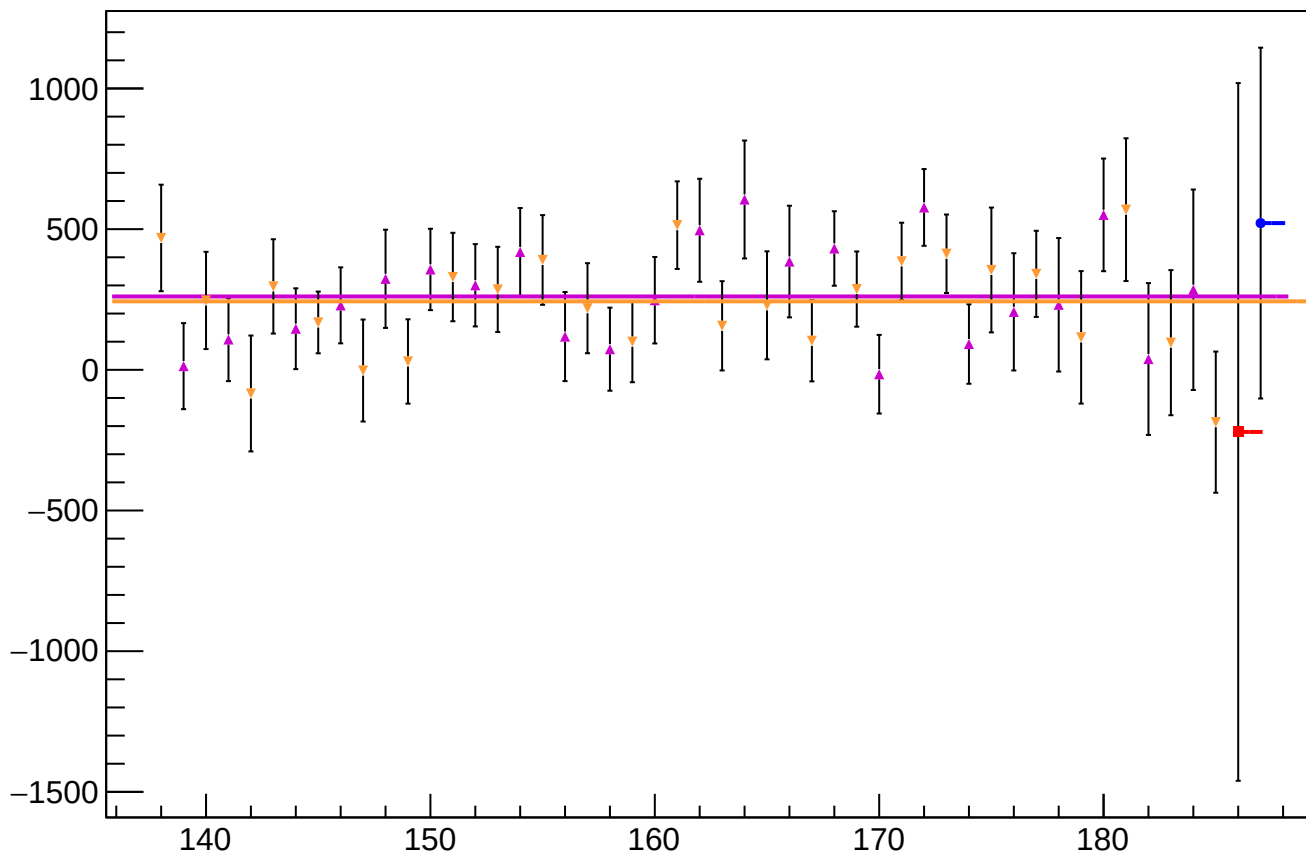
Right: 1254.034+/-1.248 χ^2/NDF : 45287.9/1

In: 248.352+/-0.043 χ^2/NDF :2542971.0/23

Out: 253.504+/-0.043 χ^2/NDF :3171069.6/25

All: 250.929+/-0.031 χ^2/NDF : 5721064.2/49

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 521.513+/-623.512 χ^2/NDF : 0.0/0

Left Out: 243.442+/-32.738 χ^2/NDF :23.4/24

Right Out: -220.725+/-1239.941 χ^2/NDF : 0.0/0

Left In: 260.749+/-33.988 χ^2/NDF :28.5/22

Left: 251.772+/-23.579 χ^2/NDF : 52.0/47

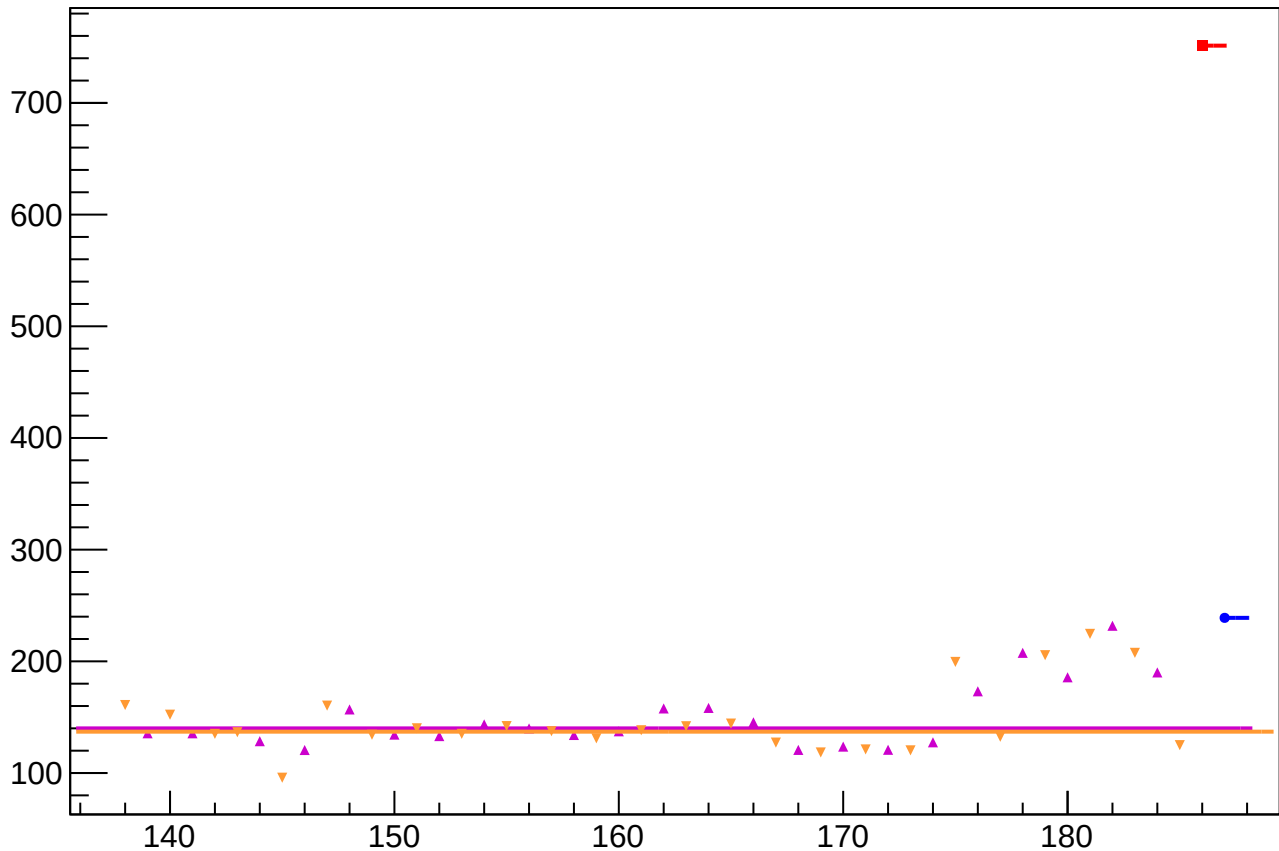
Right: 371.708+/-557.048 χ^2/NDF : 0.3/1

In: 261.522+/-33.938 χ^2/NDF :28.6/23

Out: 243.119+/-32.727 χ^2/NDF :23.5/25

All: 251.986+/-23.558 χ^2/NDF : 52.3/49

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 238.938 $\pm$ 0.441 χ^2 /NDF: 0.0/0

Left Out: 137.036 $\pm$ 0.023 χ^2 /NDF:1200381.2/24

Right Out: 751.280 $\pm$ 0.877 χ^2 /NDF: 0.0/0

Left In: 139.966 $\pm$ 0.024 χ^2 /NDF:838127.9/22

Left: 138.446 $\pm$ 0.017 χ^2 /NDF: 2046220.3/47

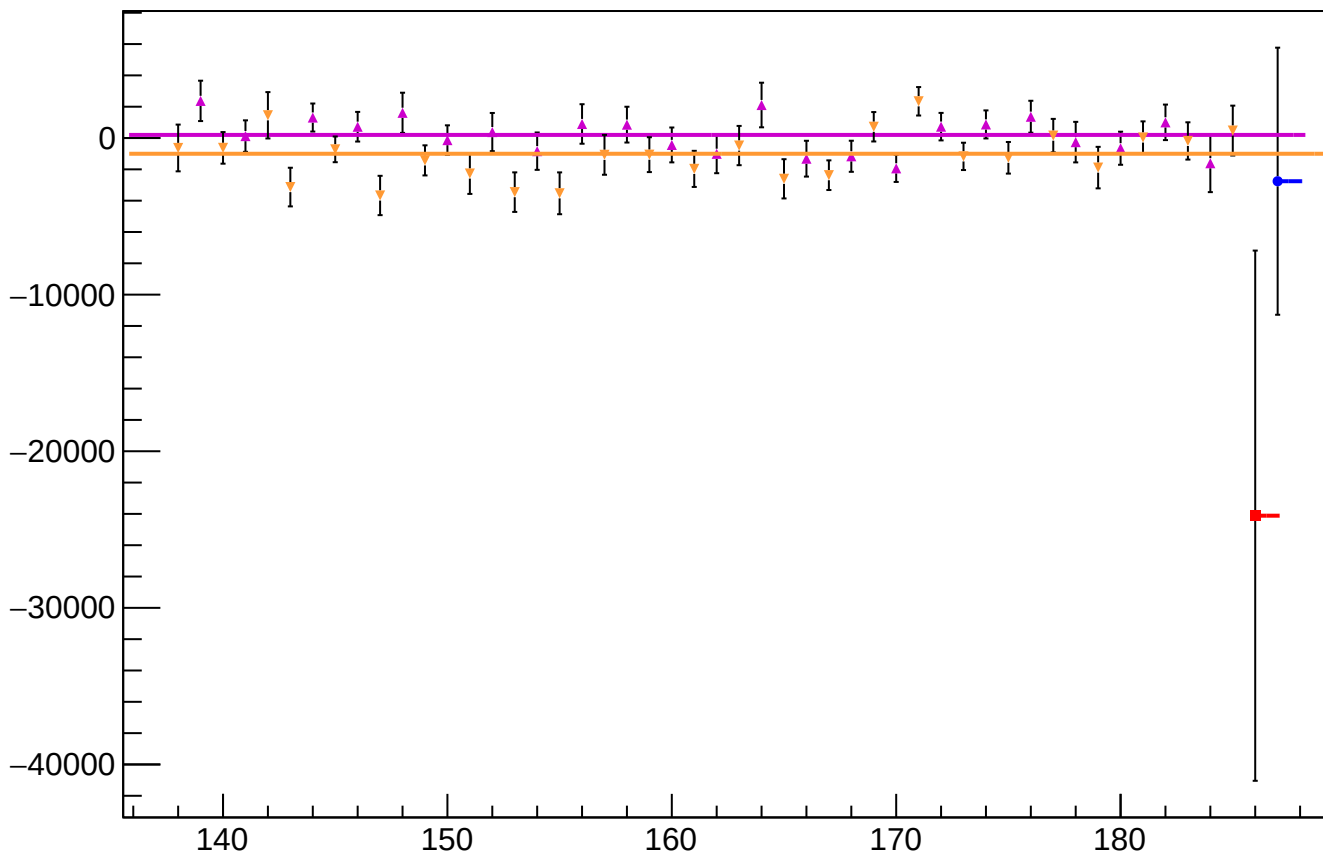
Right: 342.343 $\pm$ 0.394 χ^2 /NDF: 272548.4/1

In: 140.259 $\pm$ 0.024 χ^2 /NDF:888371.2/23

Out: 137.463 $\pm$ 0.023 χ^2 /NDF:1690845.7/25

All: 138.811 $\pm$ 0.017 χ^2 /NDF: 2586248.6/49

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -2757.834+/-8527.436 χ^2/NDF : 0.0/0

Left Out: -1004.364+/-222.387 χ^2/NDF :44.7/24

Right Out: -24115.183+/-16927.877 χ^2/NDF : 0.0/0

Left In: 198.654+/-225.997 χ^2/NDF :24.6/22

Left: -412.541+/-158.512 χ^2/NDF : 83.7/47

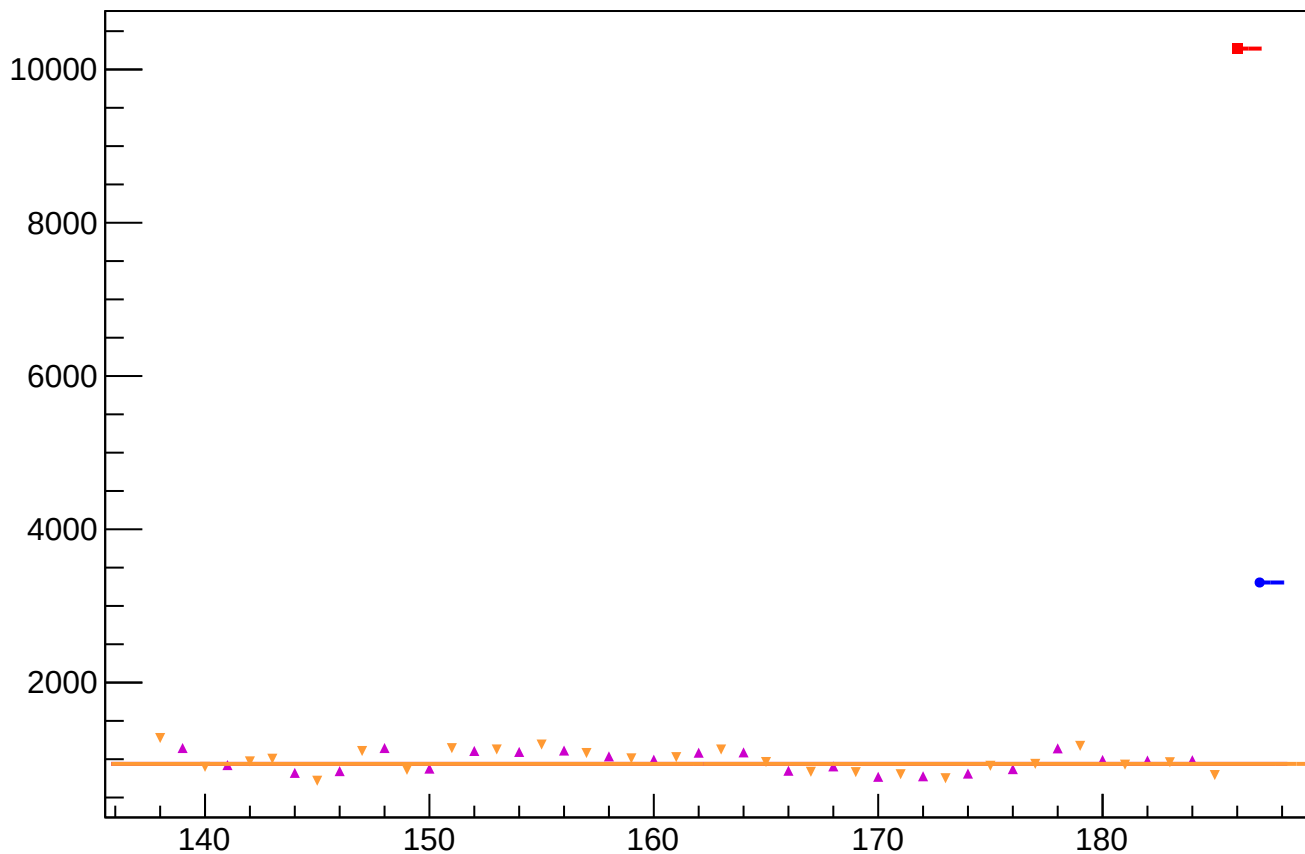
Right: -7080.614+/-7615.710 χ^2/NDF : 1.3/1

In: 196.579+/-225.918 χ^2/NDF :24.8/23

Out: -1008.352+/-222.368 χ^2/NDF :46.5/25

All: -415.428+/-158.478 χ^2/NDF : 85.7/49

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 3305.812 $\pm$ 6.030 χ^2 /NDF: 0.0/0

Left Out: 938.988 $\pm$ 0.157 χ^2 /NDF:828400.0/24

Right Out: 10272.667 $\pm$ 11.970 χ^2 /NDF: 0.0/0

Left In: 938.755 $\pm$ 0.160 χ^2 /NDF:611419.0/22

Left: 938.874 $\pm$ 0.112 χ^2 /NDF: 1439820.2/47

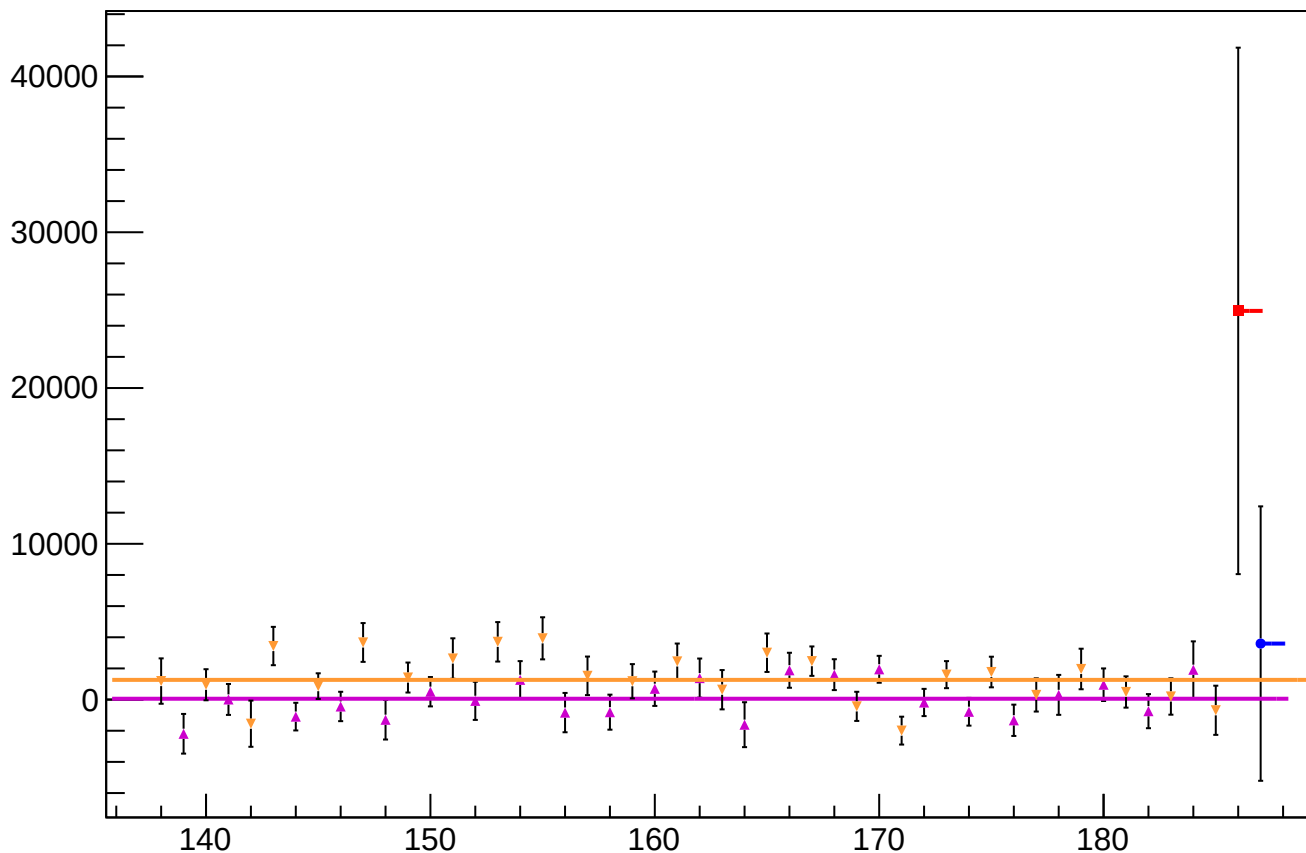
Right: 4715.920 $\pm$ 5.385 χ^2 /NDF: 270198.2/1

In: 940.416 $\pm$ 0.160 χ^2 /NDF:765413.6/23

Out: 940.599 $\pm$ 0.157 χ^2 /NDF:1436333.0/25

All: 940.509 $\pm$ 0.112 χ^2 /NDF: 2201747.3/49

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 3594.886+/-8808.527 χ^2/NDF : 0.0/0

Left Out: 1264.940+/-220.626 χ^2/NDF :45.5/24

Right Out: 24951.236+/-16897.834 χ^2/NDF : 0.0/0

Left In: 53.940+/-224.371 χ^2/NDF :26.4/22

Left: 669.631+/-157.313 χ^2/NDF : 86.8/47

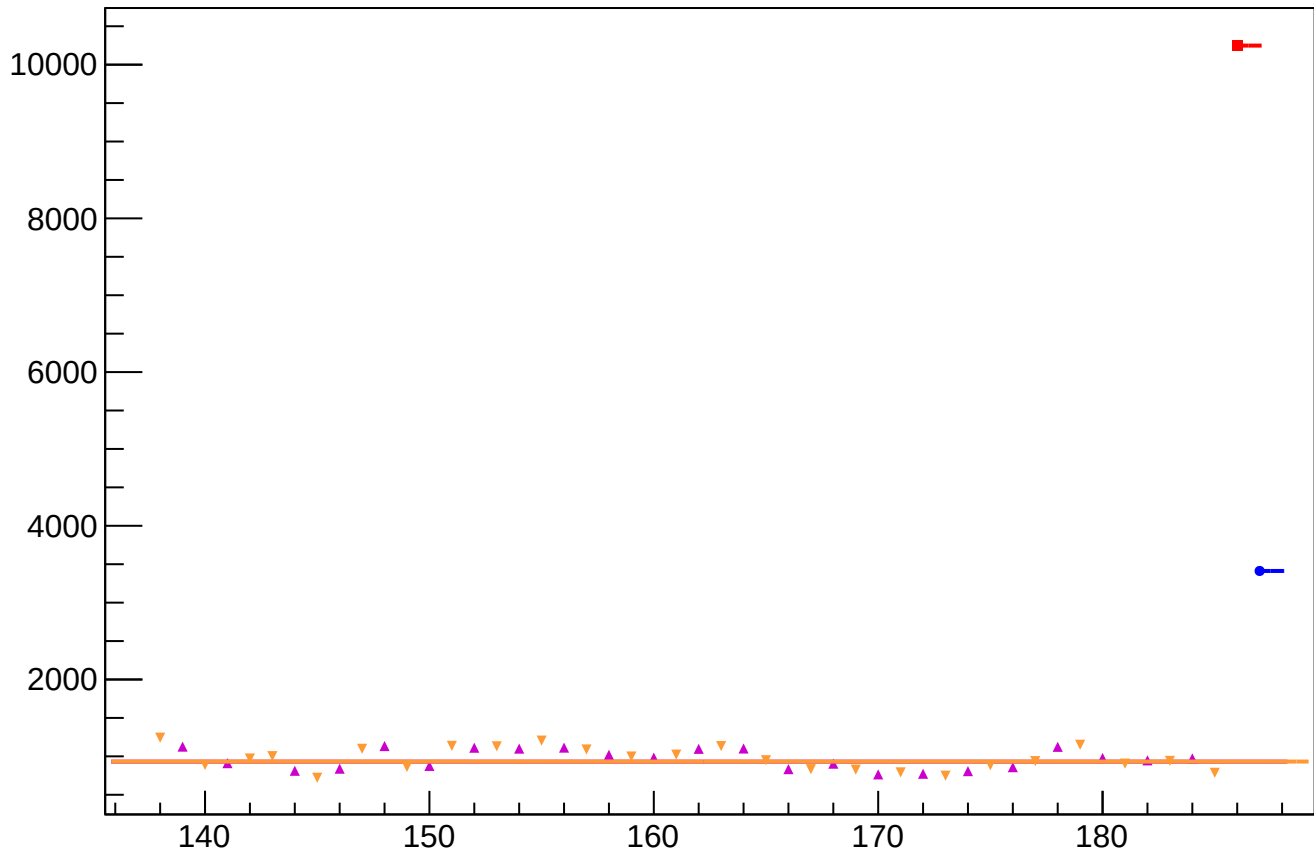
Right: 8158.145+/-7810.972 χ^2/NDF : 1.3/1

In: 56.235+/-224.298 χ^2/NDF :26.6/23

Out: 1268.977+/-220.607 χ^2/NDF :47.5/25

All: 672.667+/-157.281 χ^2/NDF : 88.9/49

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 3412.225+/-6.229 χ^2/NDF : 0.0/0

Left Out: 932.170+/-0.156 χ^2/NDF : 828733.8/24

Right Out: 10248.277+/-11.949 χ^2/NDF : 0.0/0

Left In: 930.854+/-0.159 χ^2/NDF : 621985.5/22

Left: 931.523+/-0.111 χ^2/NDF : 1450754.2/47

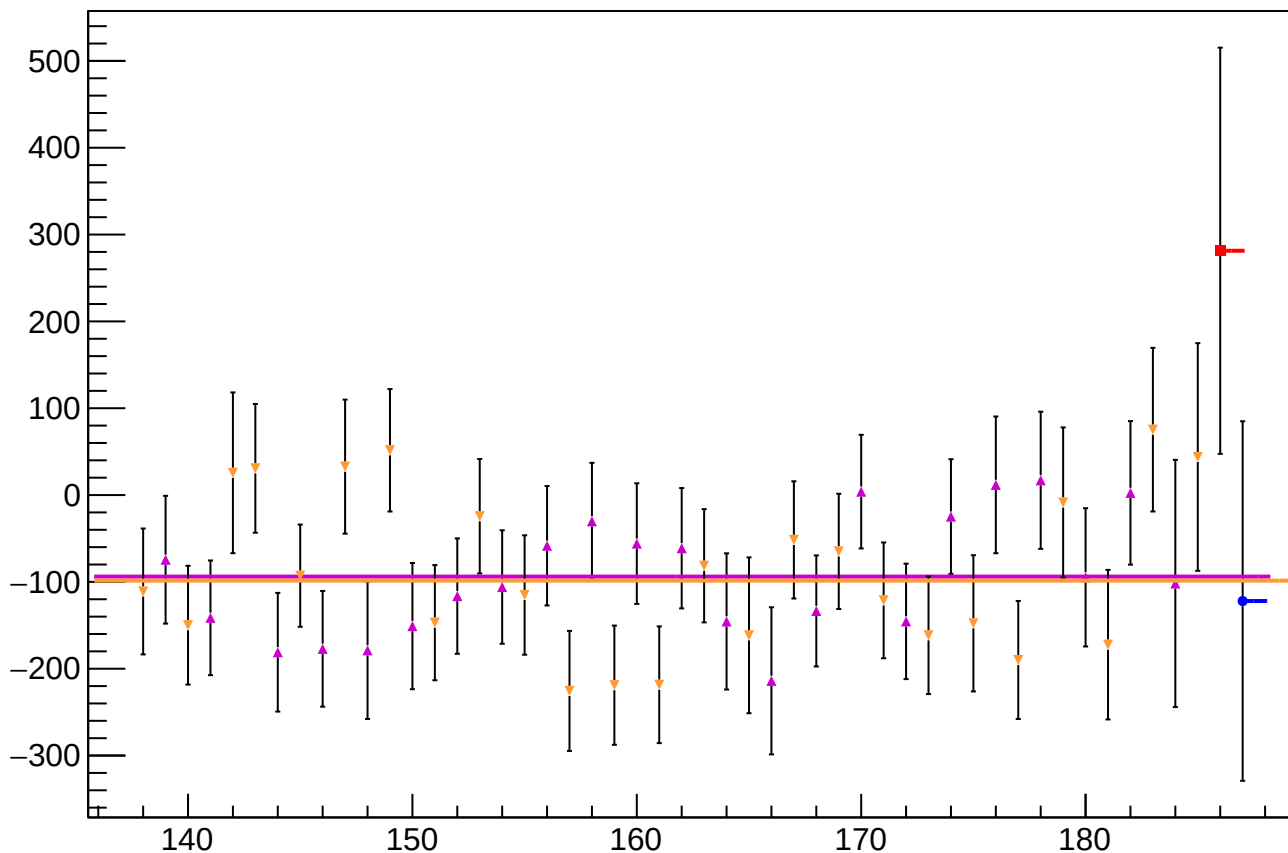
Right: 4872.900+/-5.523 χ^2/NDF : 257384.4/1

In: 932.463+/-0.159 χ^2/NDF : 780593.5/23

Out: 933.758+/-0.156 χ^2/NDF : 1436536.7/25

All: 933.121+/-0.111 χ^2/NDF : 2217164.1/49

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: -122.041 $\pm$ 207.032 χ^2 /NDF: 0.0/0

Left Out: -98.557 $\pm$ 14.525 χ^2 /NDF:35.2/24

Right Out: 281.353 $\pm$ 233.888 χ^2 /NDF: 0.0/0

Left In: -93.899 $\pm$ 15.039 χ^2 /NDF:19.3/22

Left: -96.309 $\pm$ 10.448 χ^2 /NDF: 54.6/47

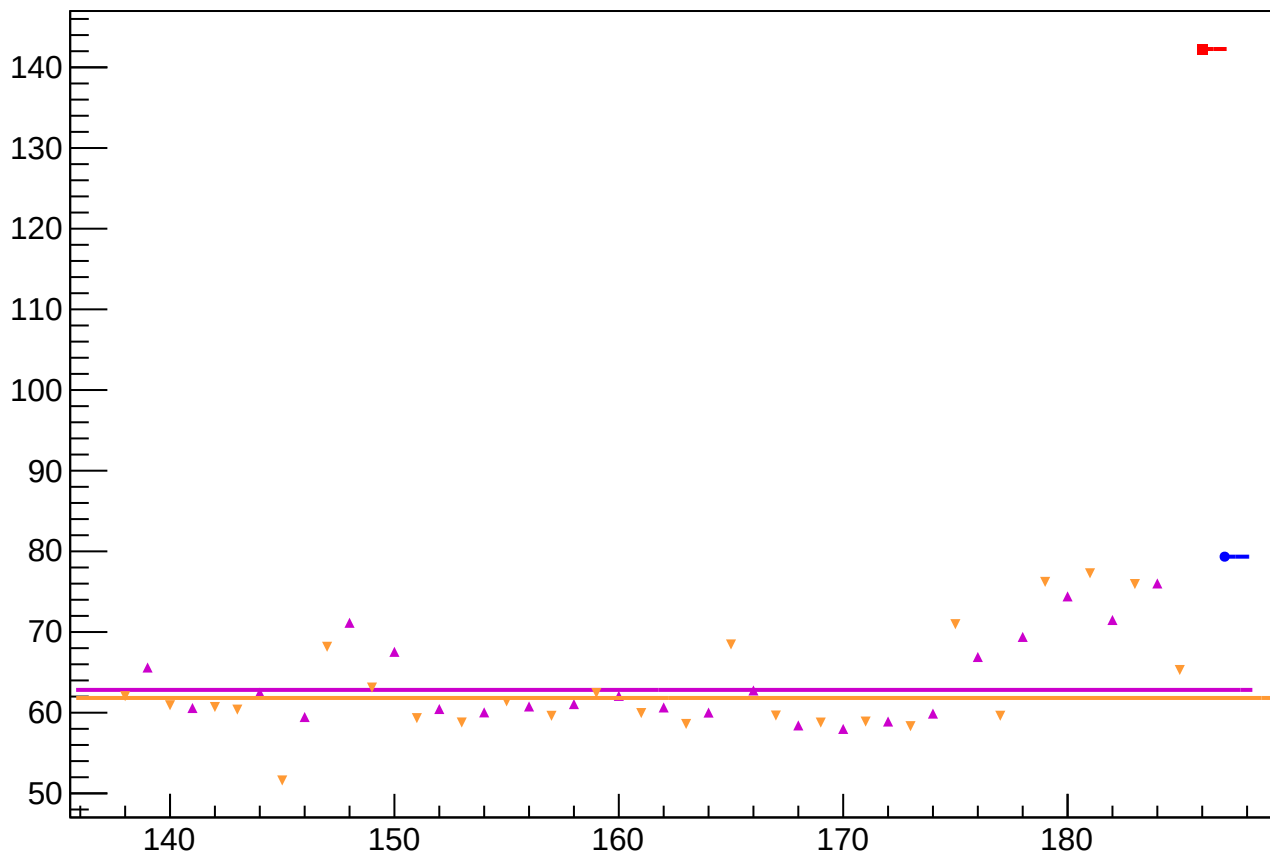
Right: 55.176 $\pm$ 155.023 χ^2 /NDF: 1.7/1

In: -94.047 $\pm$ 14.999 χ^2 /NDF:19.3/23

Out: -97.098 $\pm$ 14.497 χ^2 /NDF:37.9/25

All: -95.624 $\pm$ 10.424 χ^2 /NDF: 57.2/49

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 79.343+/-0.146 χ^2/NDF : 0.0/0

Left Out: 61.827+/-0.010 χ^2/NDF :313572.8/24

Right Out: 142.273+/-0.165 χ^2/NDF : 0.0/0

Left In: 62.827+/-0.011 χ^2/NDF :187007.2/22

Left: 62.310+/-0.007 χ^2/NDF : 505157.6/47

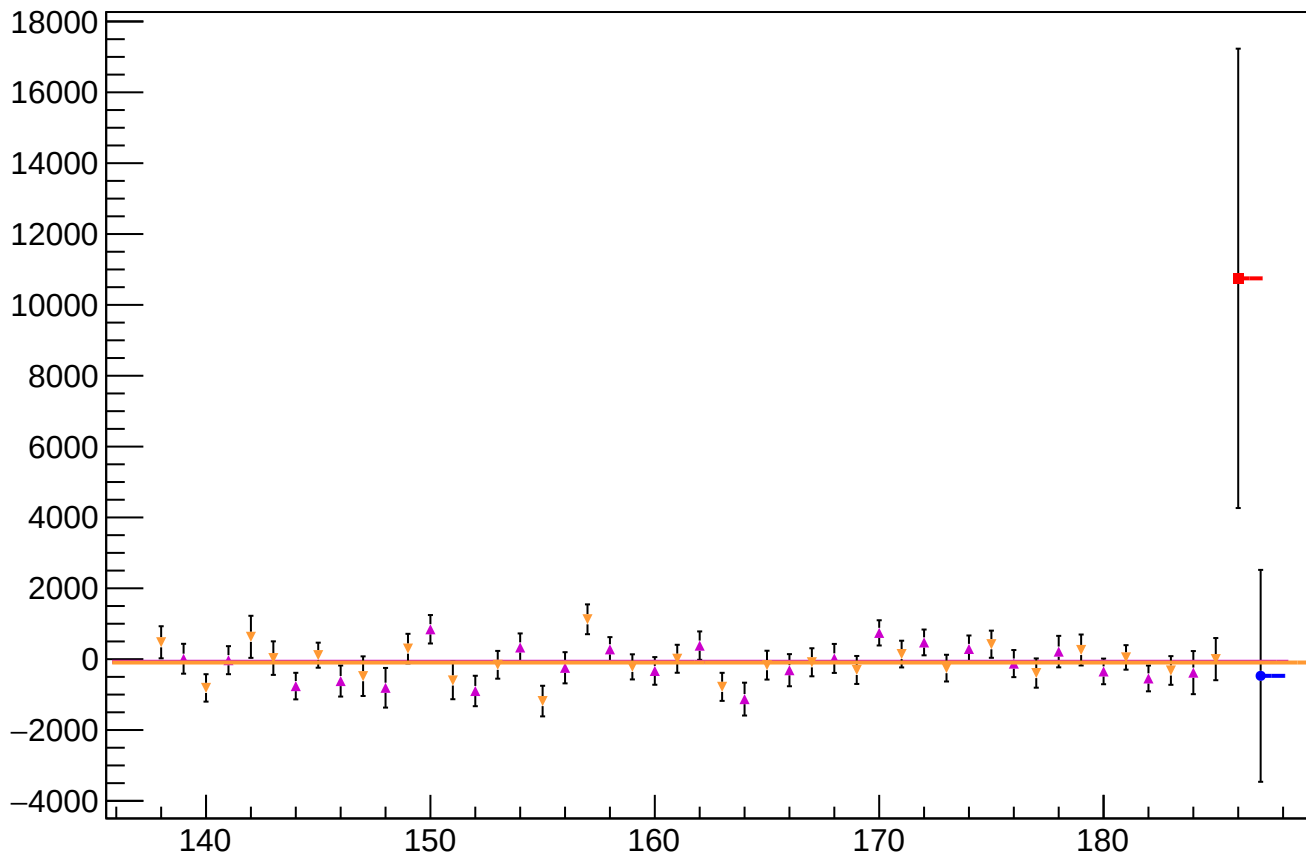
Right: 106.989+/-0.110 χ^2/NDF : 81181.4/1

In: 62.914+/-0.011 χ^2/NDF :199667.5/23

Out: 62.136+/-0.010 χ^2/NDF :549269.8/25

All: 62.512+/-0.007 χ^2/NDF : 751718.5/49

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -470.985+/-2990.746 χ^2/NDF : 0.0/0

Left Out: -94.907+/-82.850 χ^2/NDF :31.6/24

Right Out: 10748.859+/-6483.310 χ^2/NDF : 0.0/0

Left In: -73.914+/-84.652 χ^2/NDF :36.4/22

Left: -84.636+/-59.211 χ^2/NDF : 68.0/47

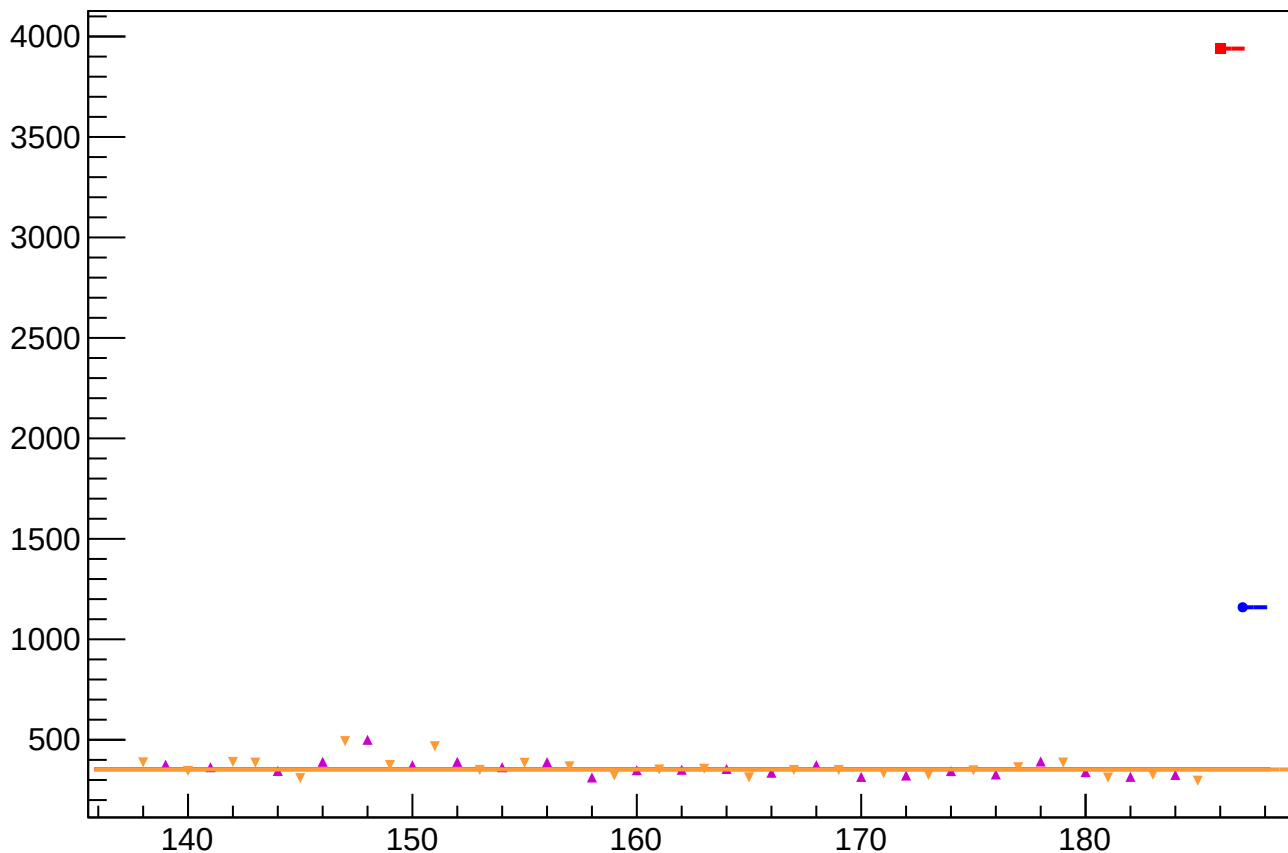
Right: 1497.645+/-2715.723 χ^2/NDF : 2.5/1

In: -74.232+/-84.618 χ^2/NDF :36.4/23

Out: -93.136+/-82.843 χ^2/NDF :34.4/25

All: -83.885+/-59.196 χ^2/NDF : 70.8/49

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 1159.437+/-2.115 χ^2/NDF : 0.0/0

Left Out: 352.403+/-0.059 χ^2/NDF :418506.2/24

Right Out: 3939.842+/-4.584 χ^2/NDF : 0.0/0

Left In: 353.197+/-0.060 χ^2/NDF :321761.0/22

Left: 352.791+/-0.042 χ^2/NDF : 740357.2/47

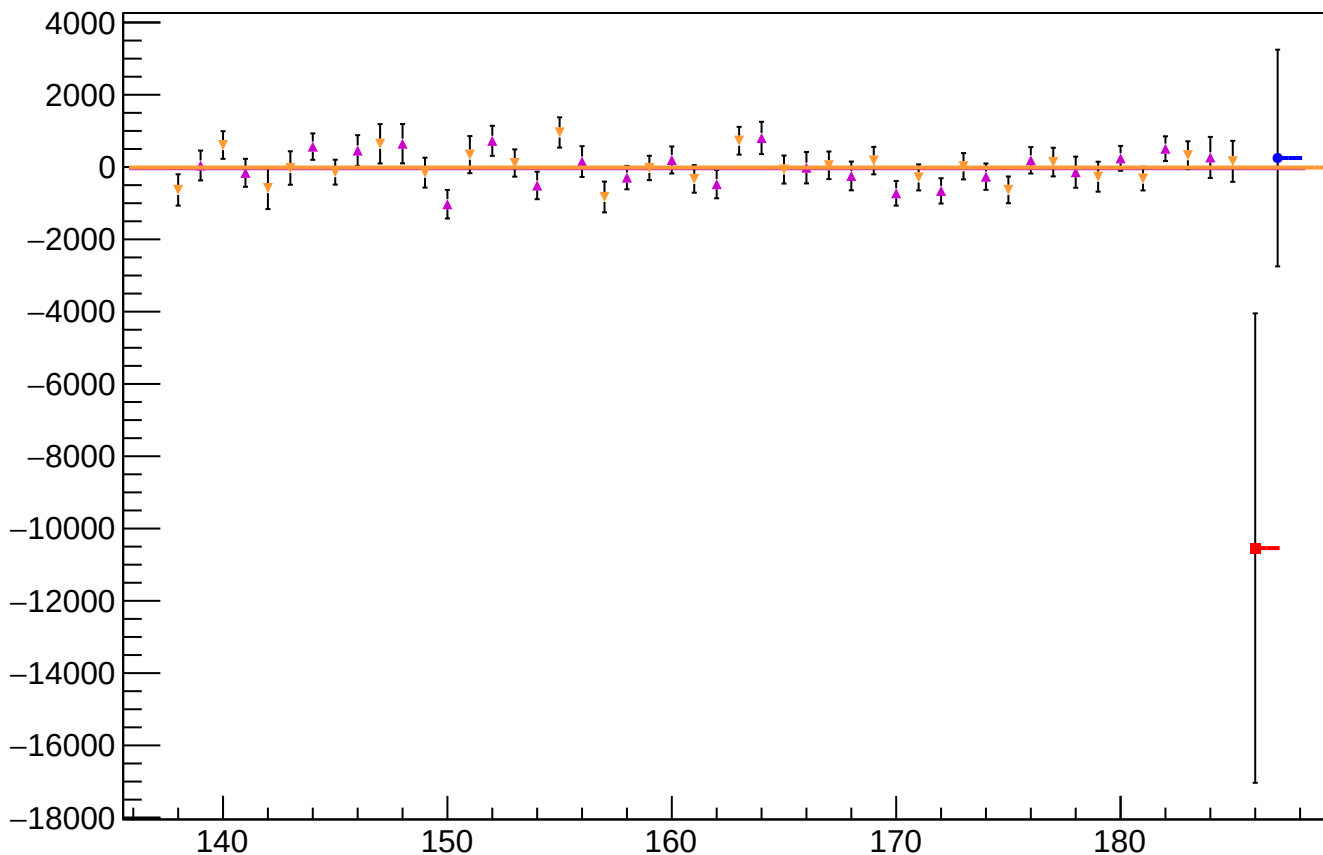
Right: 1647.286+/-1.920 χ^2/NDF : 303294.4/1

In: 353.842+/-0.060 χ^2/NDF :466989.5/23

Out: 352.988+/-0.059 χ^2/NDF :1030764.5/25

All: 353.406+/-0.042 χ^2/NDF : 1497858.1/49

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 250.414 $\pm$ 2997.389 χ^2 /NDF: 0.0/0

Left Out: -12.545 $\pm$ 79.984 χ^2 /NDF:27.3/24

Right Out: -10541.140 $\pm$ 6493.184 χ^2 /NDF: 0.0/0

Left In: -31.531 $\pm$ 81.476 χ^2 /NDF:34.8/22

Left: -21.863 $\pm$ 57.077 χ^2 /NDF: 62.2/47

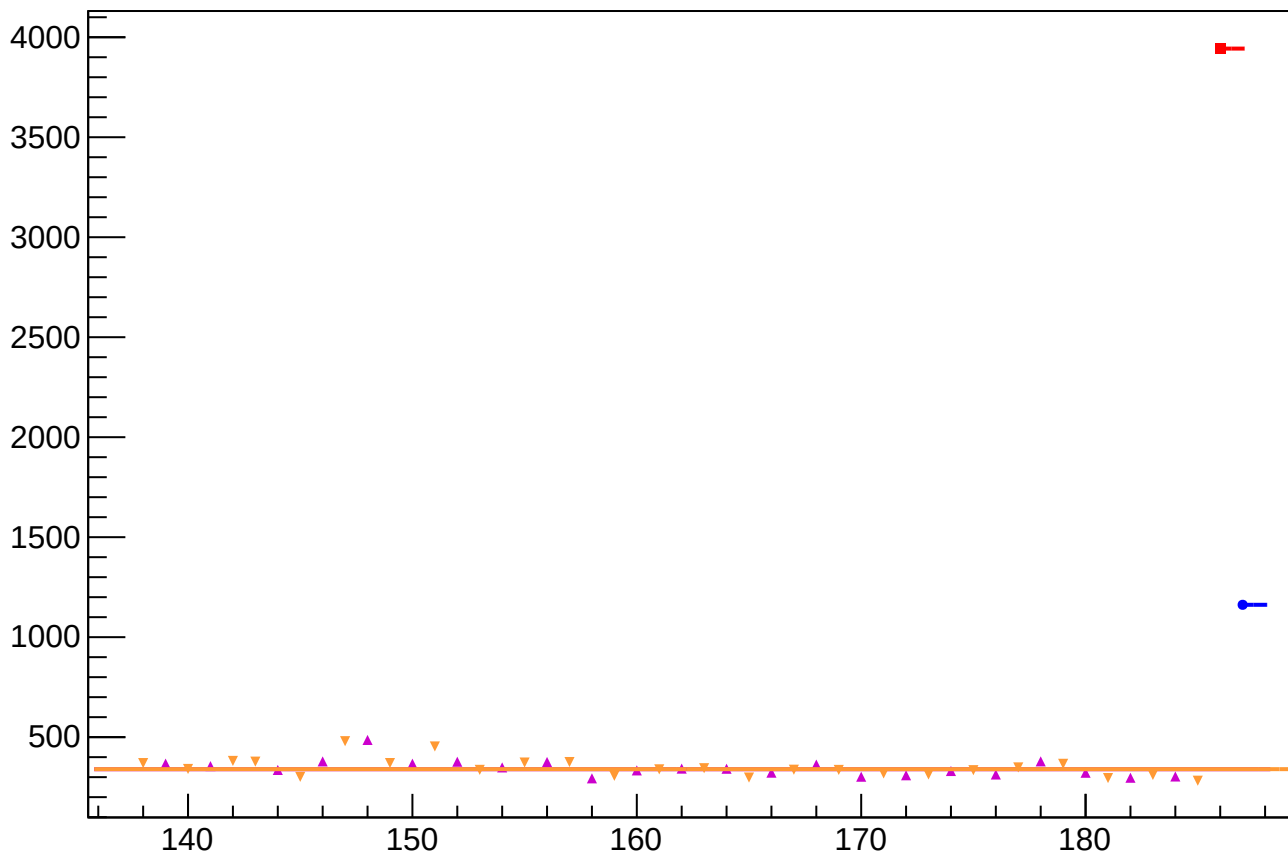
Right: -1645.246 $\pm$ 2721.422 χ^2 /NDF: 2.3/1

In: -31.323 $\pm$ 81.446 χ^2 /NDF:34.8/23

Out: -14.142 $\pm$ 79.978 χ^2 /NDF:30.0/25

All: -22.576 $\pm$ 57.065 χ^2 /NDF: 64.8/49

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 1161.863 $\pm$ 2.119 χ^2 /NDF: 0.0/0

Left Out: 340.018 $\pm$ 0.057 χ^2 /NDF: 465345.1/24

Right Out: 3943.251 $\pm$ 4.591 χ^2 /NDF: 0.0/0

Left In: 339.571 $\pm$ 0.058 χ^2 /NDF: 377816.0/22

Left: 339.799 $\pm$ 0.040 χ^2 /NDF: 843191.8/47

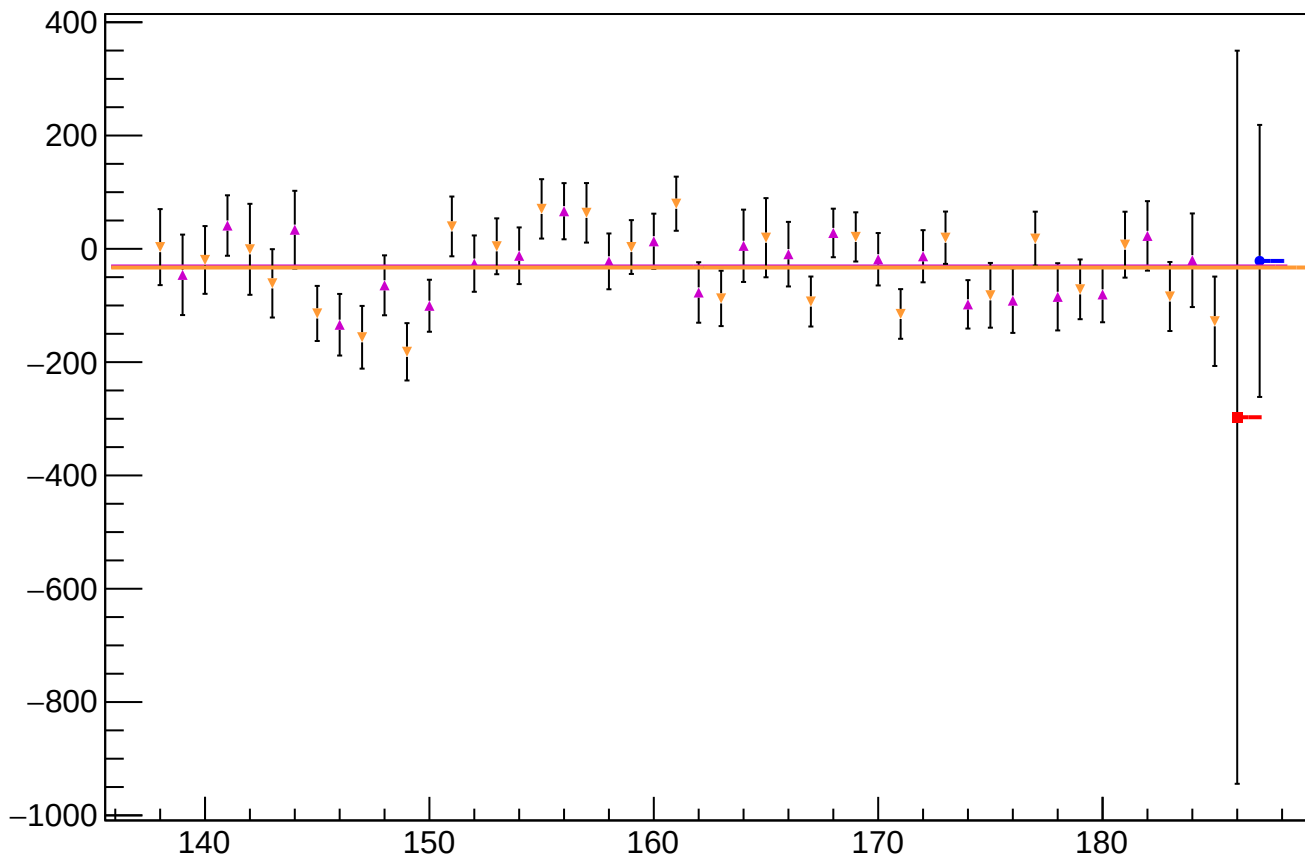
Right: 1650.445 $\pm$ 1.924 χ^2 /NDF: 302512.6/1

In: 340.178 $\pm$ 0.058 χ^2 /NDF: 528225.3/23

Out: 340.565 $\pm$ 0.057 χ^2 /NDF: 1081136.0/25

All: 340.375 $\pm$ 0.040 χ^2 /NDF: 1609384.4/49

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -21.355 ± 240.102 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -32.964 ± 10.578 $\chi^2/\text{NDF}: 48.0/24$

Right Out: -297.258 ± 647.046 $\chi^2/\text{NDF}: 0.0/0$

Left In: -31.144 ± 10.958 $\chi^2/\text{NDF}: 23.4/22$

Left: -32.086 ± 7.610 $\chi^2/\text{NDF}: 71.5/47$

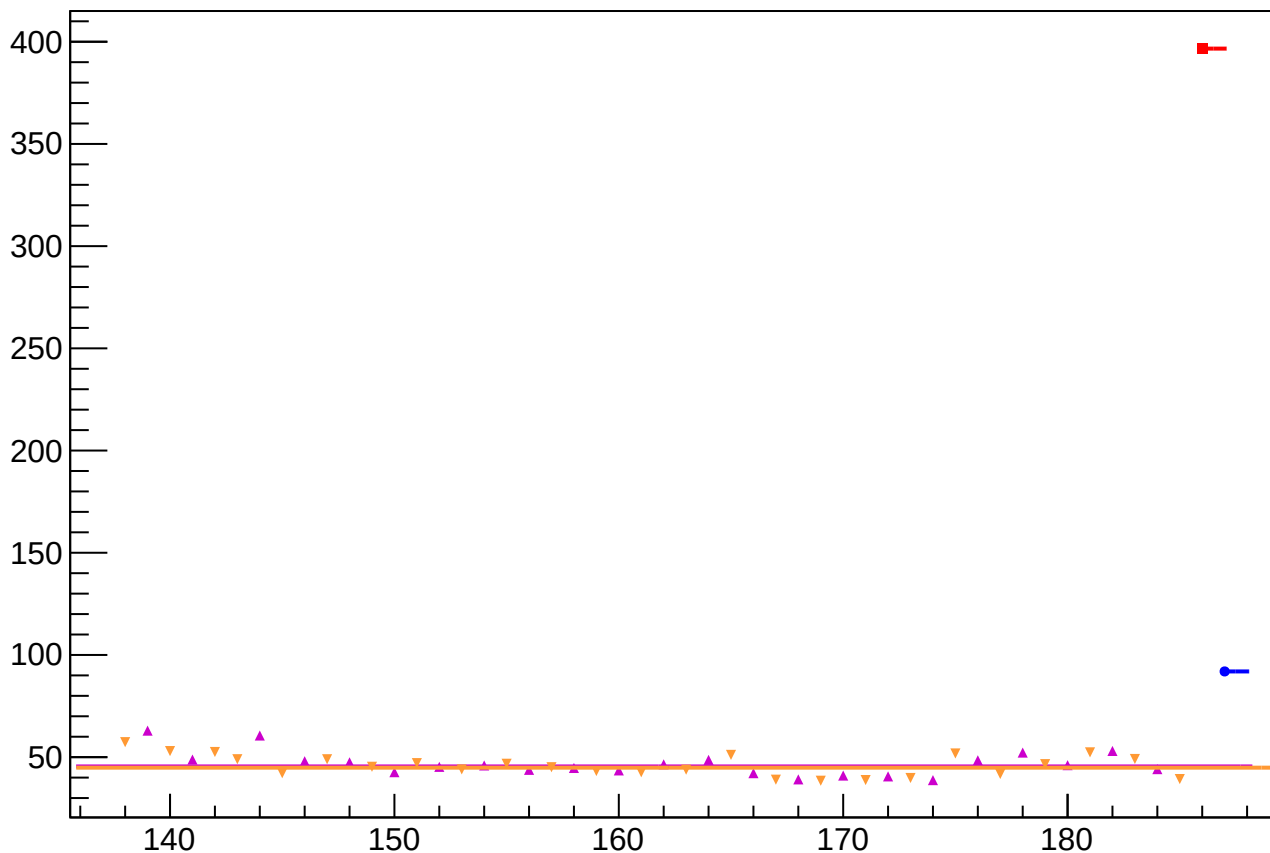
Right: -54.748 ± 225.104 $\chi^2/\text{NDF}: 0.2/1$

In: -31.124 ± 10.946 $\chi^2/\text{NDF}: 23.4/23$

Out: -33.035 ± 10.576 $\chi^2/\text{NDF}: 48.2/25$

All: -32.112 ± 7.606 $\chi^2/\text{NDF}: 71.6/49$

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 91.939 $\pm$ 0.170 χ^2 /NDF: 0.0/0

Left Out: 44.862 $\pm$ 0.007 χ^2 /NDF:415524.3/24

Right Out: 396.639 $\pm$ 0.458 χ^2 /NDF: 0.0/0

Left In: 45.465 $\pm$ 0.008 χ^2 /NDF:457021.7/22

Left: 45.153 $\pm$ 0.005 χ^2 /NDF: 875681.9/47

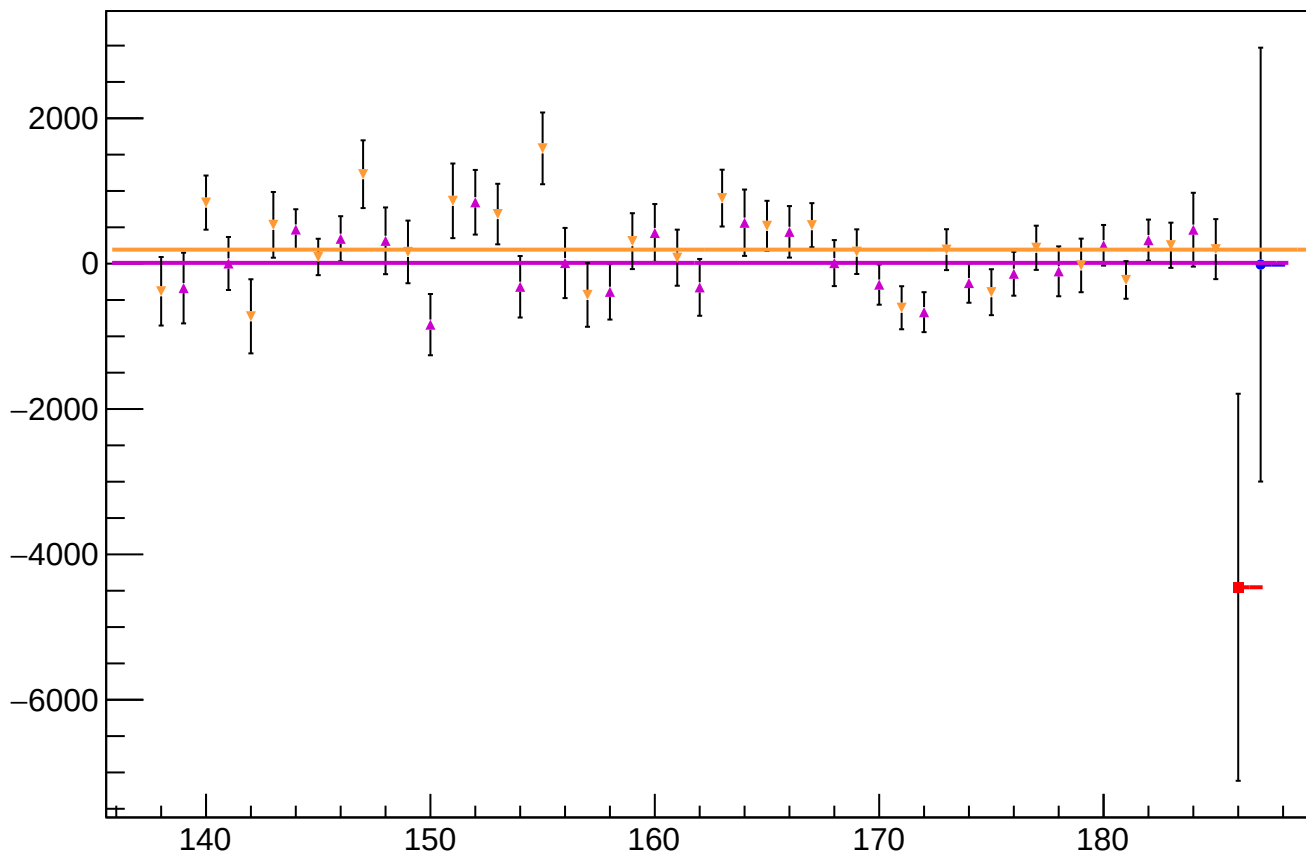
Right: 128.817 $\pm$ 0.159 χ^2 /NDF: 389833.9/1

In: 45.562 $\pm$ 0.008 χ^2 /NDF:531795.8/23

Out: 44.956 $\pm$ 0.007 χ^2 /NDF:1006513.2/25

All: 45.248 $\pm$ 0.005 χ^2 /NDF: 1541475.9/49

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -13.231+/-2984.722 χ^2/NDF : 0.0/0

Left Out: 192.946+/-70.968 χ^2/NDF : 45.8/24

Right Out: -4452.384+/-2662.588 χ^2/NDF : 0.0/0

Left In: 10.801+/-72.300 χ^2/NDF : 30.2/22

Left: 103.567+/-50.646 χ^2/NDF : 79.3/47

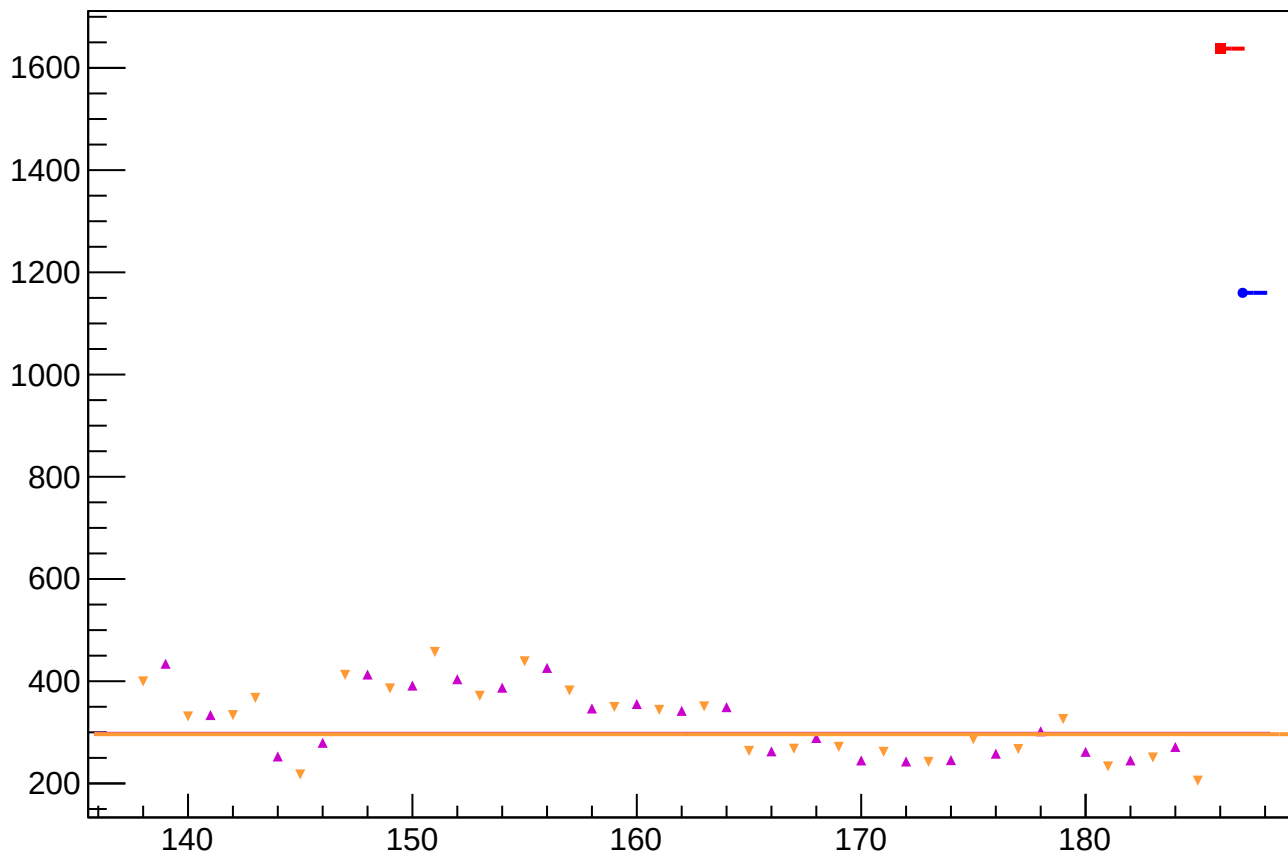
Right: -2485.205+/-1986.899 χ^2/NDF : 1.2/1

In: 10.787+/-72.279 χ^2/NDF : 30.2/23

Out: 189.648+/-70.943 χ^2/NDF : 48.9/25

All: 101.886+/-50.630 χ^2/NDF : 82.2/49

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 1159.918+/-2.111 χ^2/NDF : 0.0/0

Left Out: 296.383+/-0.050 χ^2/NDF :1635498.4/24

Right Out: 1637.703+/-1.883 χ^2/NDF : 0.0/0

Left In: 297.137+/-0.051 χ^2/NDF :1320750.3/22

Left: 296.753+/-0.036 χ^2/NDF : 2956359.4/47

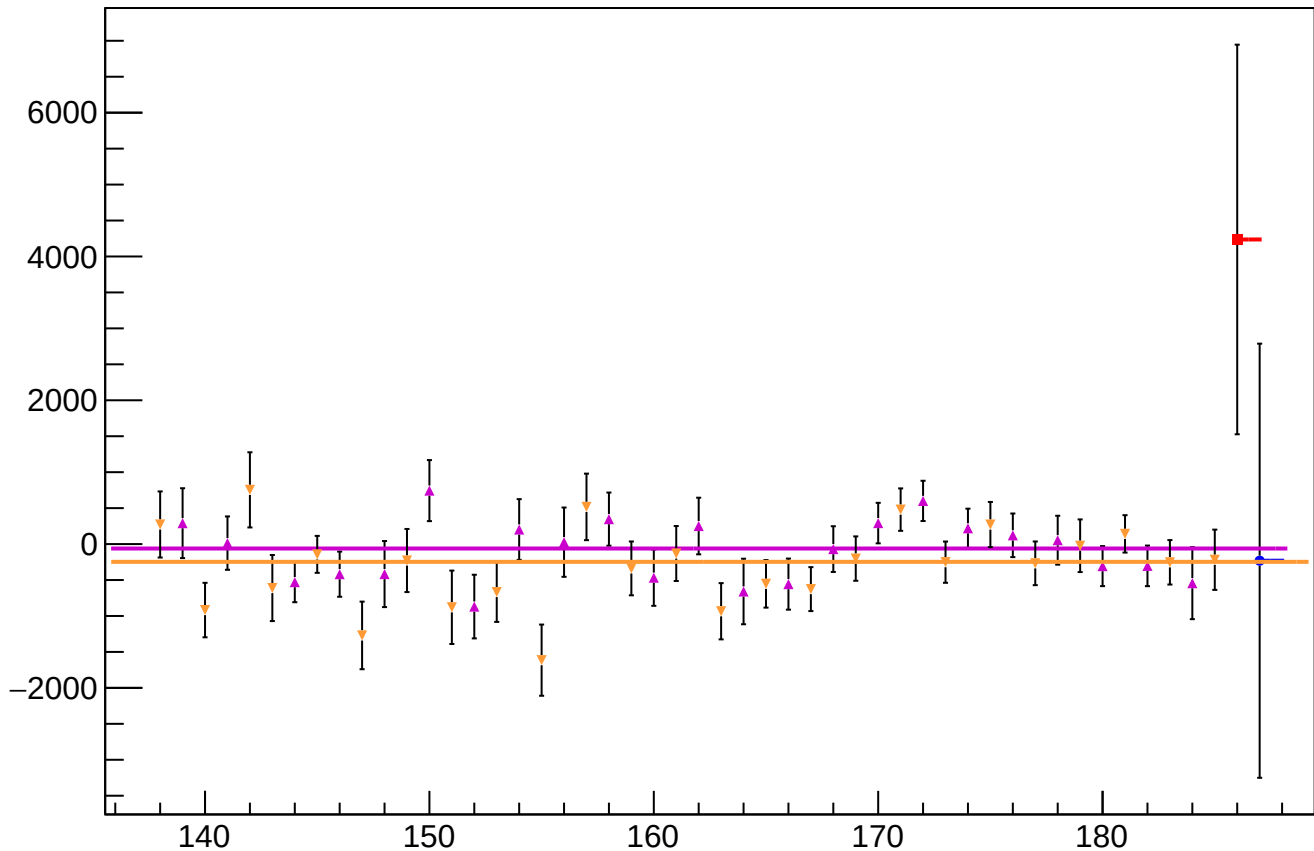
Right: 1425.976+/-1.405 χ^2/NDF : 28538.5/1

In: 297.643+/-0.051 χ^2/NDF :1487770.1/23

Out: 297.335+/-0.050 χ^2/NDF :2142697.4/25

All: 297.486+/-0.036 χ^2/NDF : 3630485.9/49

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -231.571+/-3019.116 χ^2/NDF : 0.0/0

Left Out: -247.108+/-71.218 χ^2/NDF :43.6/24

Right Out: 4236.524+/-2709.363 χ^2/NDF : 0.0/0

Left In: -61.707+/-72.478 χ^2/NDF :30.3/22

Left: -156.032+/-50.798 χ^2/NDF : 77.2/47

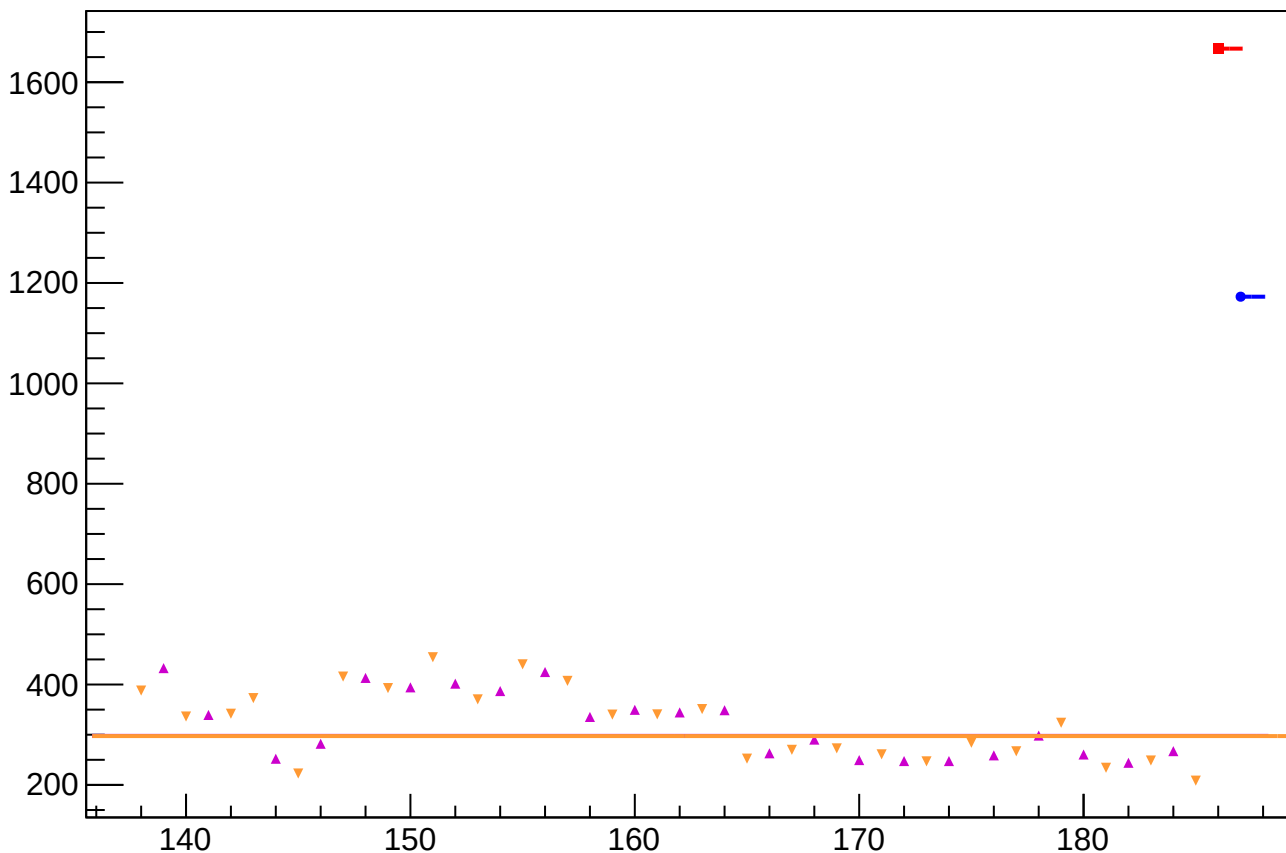
Right: 2243.374+/-2016.456 χ^2/NDF : 1.2/1

In: -61.805+/-72.457 χ^2/NDF :30.3/23

Out: -244.012+/-71.193 χ^2/NDF :46.3/25

All: -154.511+/-50.782 χ^2/NDF : 79.9/49

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 1172.669+/-2.135 χ^2/NDF : 0.0/0

Left Out: 297.273+/-0.050 χ^2/NDF :1627904.5/24

Right Out: 1666.884+/-1.916 χ^2/NDF : 0.0/0

Left In: 297.696+/-0.051 χ^2/NDF :1274607.7/22

Left: 297.481+/-0.036 χ^2/NDF : 2902547.0/47

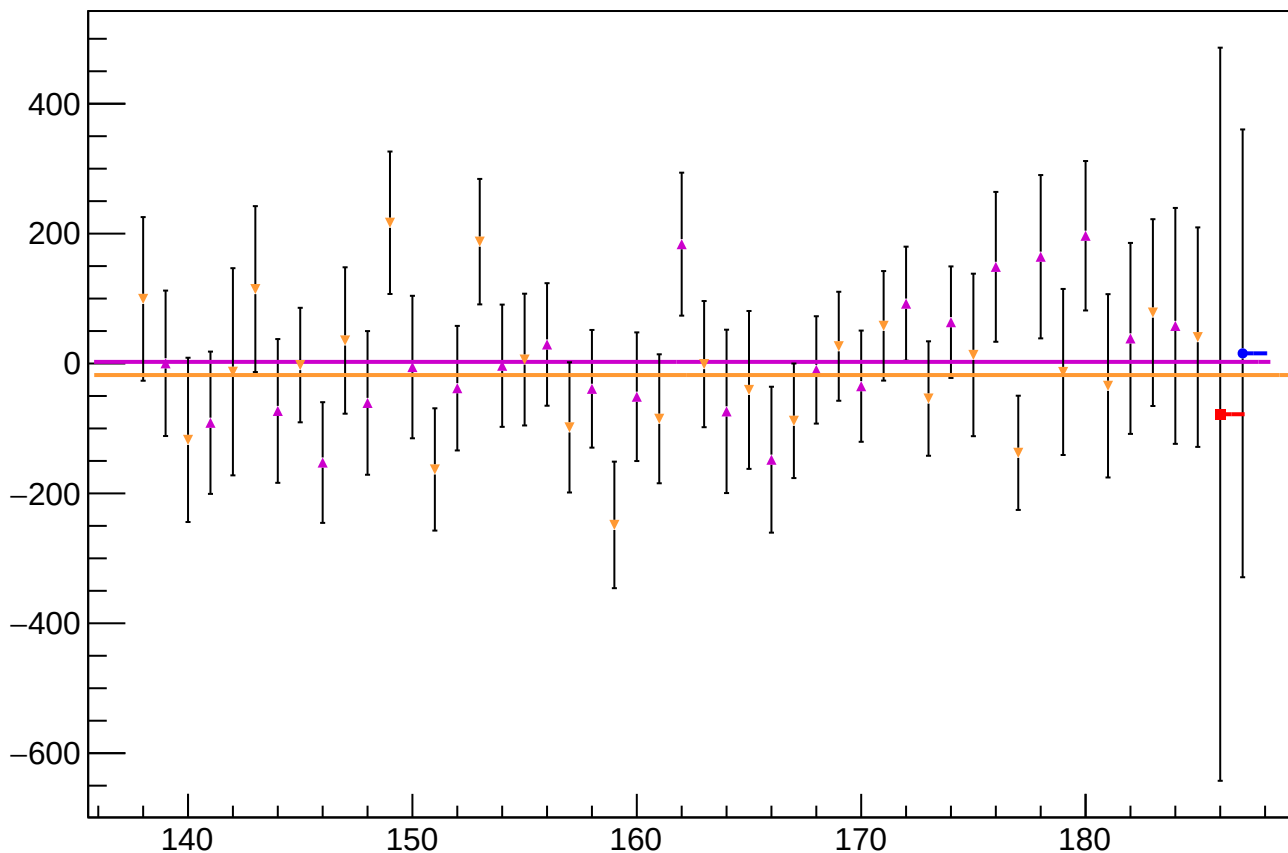
Right: 1446.422+/-1.426 χ^2/NDF : 29685.6/1

In: 298.200+/-0.051 χ^2/NDF :1442491.6/23

Out: 298.219+/-0.050 χ^2/NDF :2138633.1/25

All: 298.210+/-0.036 χ^2/NDF : 3581124.7/49

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 15.653+/-344.749 χ^2/NDF : 0.0/0

Left Out: -17.764+/-21.121 χ^2/NDF : 25.5/24

Right Out: -78.101+/-564.417 χ^2/NDF : 0.0/0

Left In: 2.505+/-21.582 χ^2/NDF : 18.0/22

Left: -7.848+/-15.095 χ^2/NDF : 44.0/47

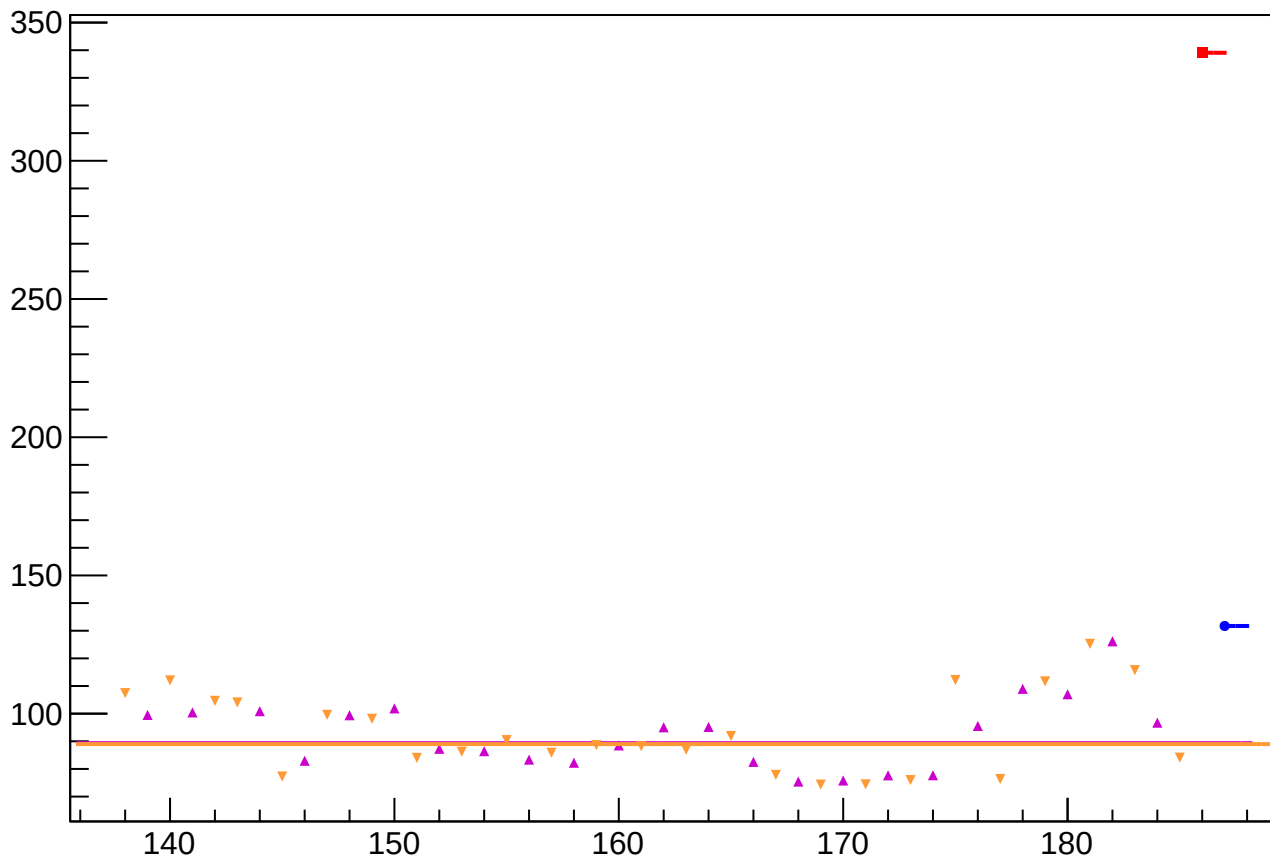
Right: -9.821+/-294.208 χ^2/NDF : 0.0/1

In: 2.557+/-21.540 χ^2/NDF : 18.0/23

Out: -17.848+/-21.106 χ^2/NDF : 25.5/25

All: -7.853+/-15.075 χ^2/NDF : 44.0/49

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 131.717 $\pm$ 0.244 χ^2 /NDF: 0.0/0

Left Out: 88.991 $\pm$ 0.015 χ^2 /NDF:807471.2/24

Right Out: 339.074 $\pm$ 0.399 χ^2 /NDF: 0.0/0

Left In: 89.321 $\pm$ 0.015 χ^2 /NDF:560433.9/22

Left: 89.152 $\pm$ 0.011 χ^2 /NDF: 1368144.9/47

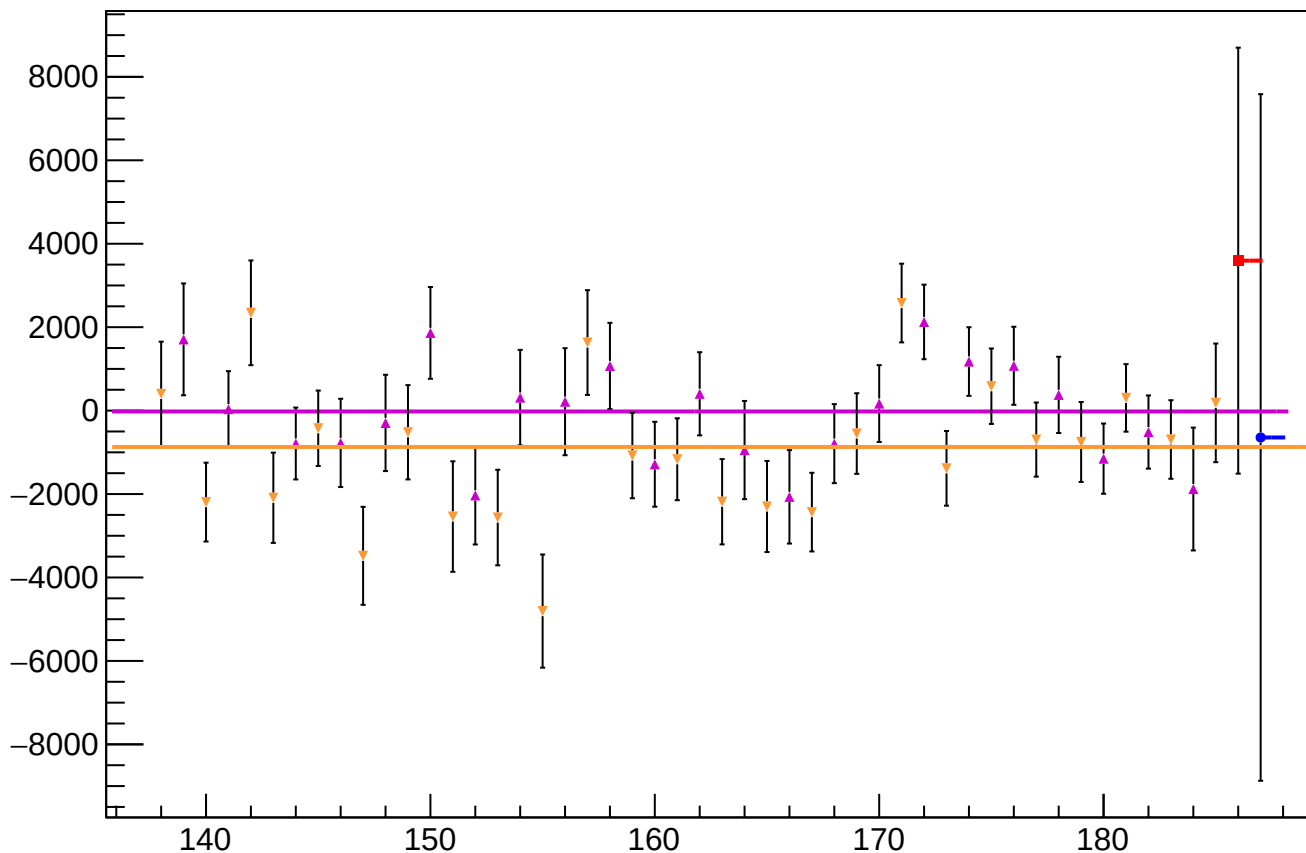
Right: 188.059 $\pm$ 0.208 χ^2 /NDF: 196593.9/1

In: 89.487 $\pm$ 0.015 χ^2 /NDF:590562.3/23

Out: 89.340 $\pm$ 0.015 χ^2 /NDF:1199567.7/25

All: 89.412 $\pm$ 0.011 χ^2 /NDF: 1790177.2/49

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -644.011+/-8229.378 χ^2/NDF : 0.0/0

Left Out: -871.061+/-205.986 χ^2/NDF : 57.6/24

Right Out: 3594.657+/-5105.192 χ^2/NDF : 0.0/0

Left In: -20.573+/-210.177 χ^2/NDF : 29.7/22

Left: -454.381+/-147.113 χ^2/NDF : 95.6/47

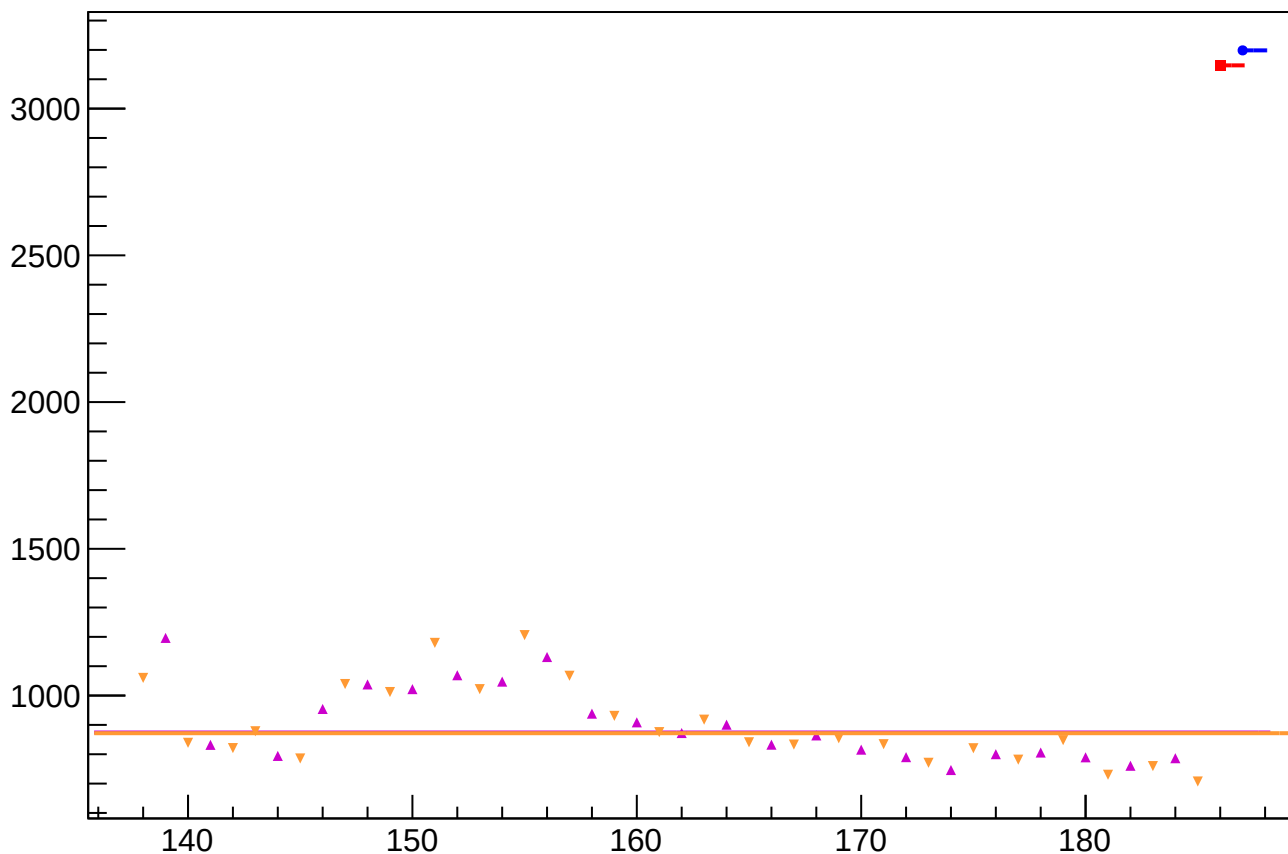
Right: 2416.733+/-4338.214 χ^2/NDF : 0.2/1

In: -20.980+/-210.108 χ^2/NDF : 29.7/23

Out: -863.803+/-205.818 χ^2/NDF : 58.4/25

All: -451.083+/-147.029 χ^2/NDF : 96.3/49

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 3198.428+/-5.819 χ^2/NDF : 0.0/0

Left Out: 871.690+/-0.146 χ^2/NDF : 642403.4/24

Right Out: 3147.378+/-3.610 χ^2/NDF : 0.0/0

Left In: 874.055+/-0.149 χ^2/NDF : 578510.6/22

Left: 872.849+/-0.104 χ^2/NDF : 1221043.2/47

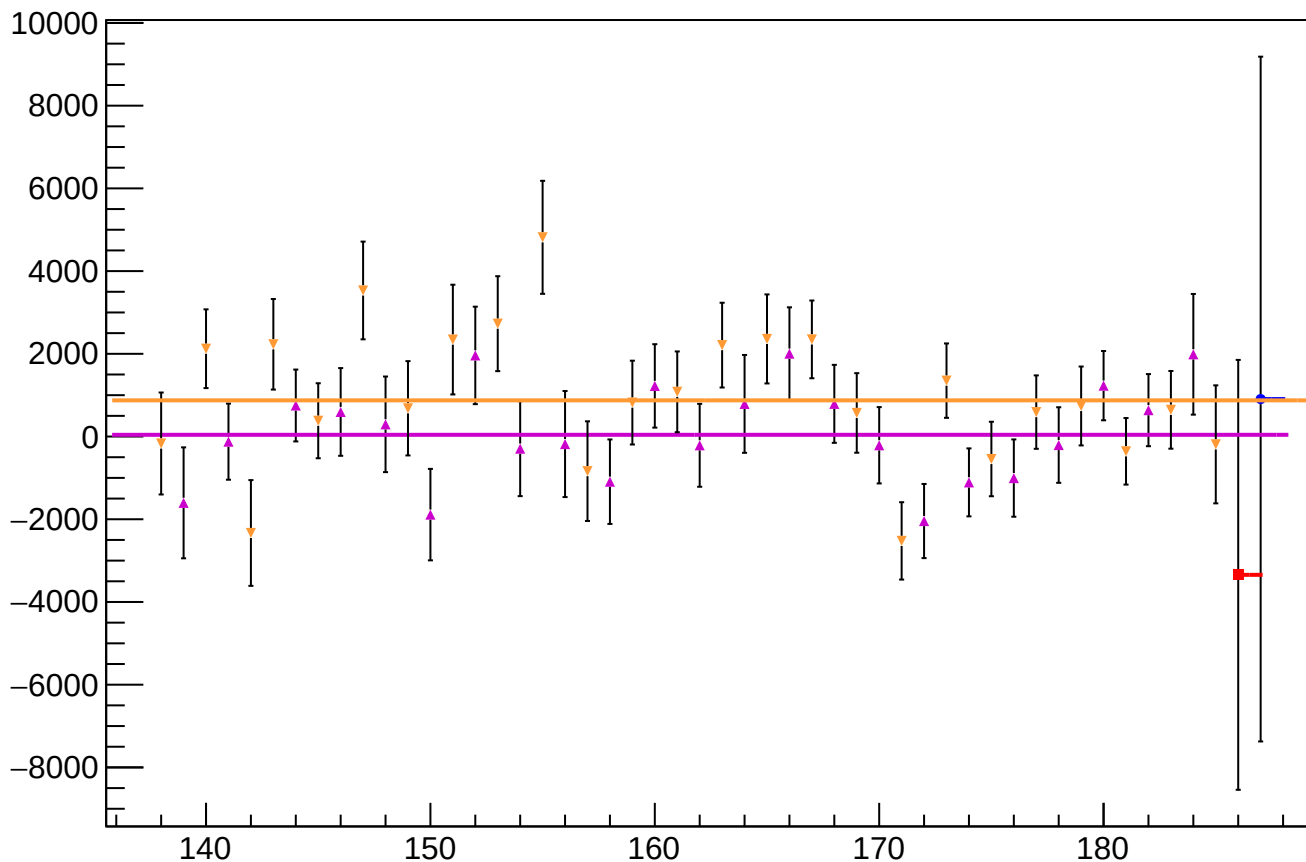
Right: 3161.565+/-3.068 χ^2/NDF : 55.6/1

In: 875.571+/-0.149 χ^2/NDF : 737960.5/23

Out: 875.389+/-0.146 χ^2/NDF : 1039160.4/25

All: 875.478+/-0.104 χ^2/NDF : 1777121.7/49

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 905.920 $\pm$ 8278.654 χ^2 /NDF: 0.0/0

Left Out: 875.084 $\pm$ 205.572 χ^2 /NDF:55.1/24

Right Out: -3344.154 $\pm$ 5197.183 χ^2 /NDF: 0.0/0

Left In: 41.523 $\pm$ 210.209 χ^2 /NDF:28.1/22

Left: 467.597 $\pm$ 146.973 χ^2 /NDF: 91.2/47

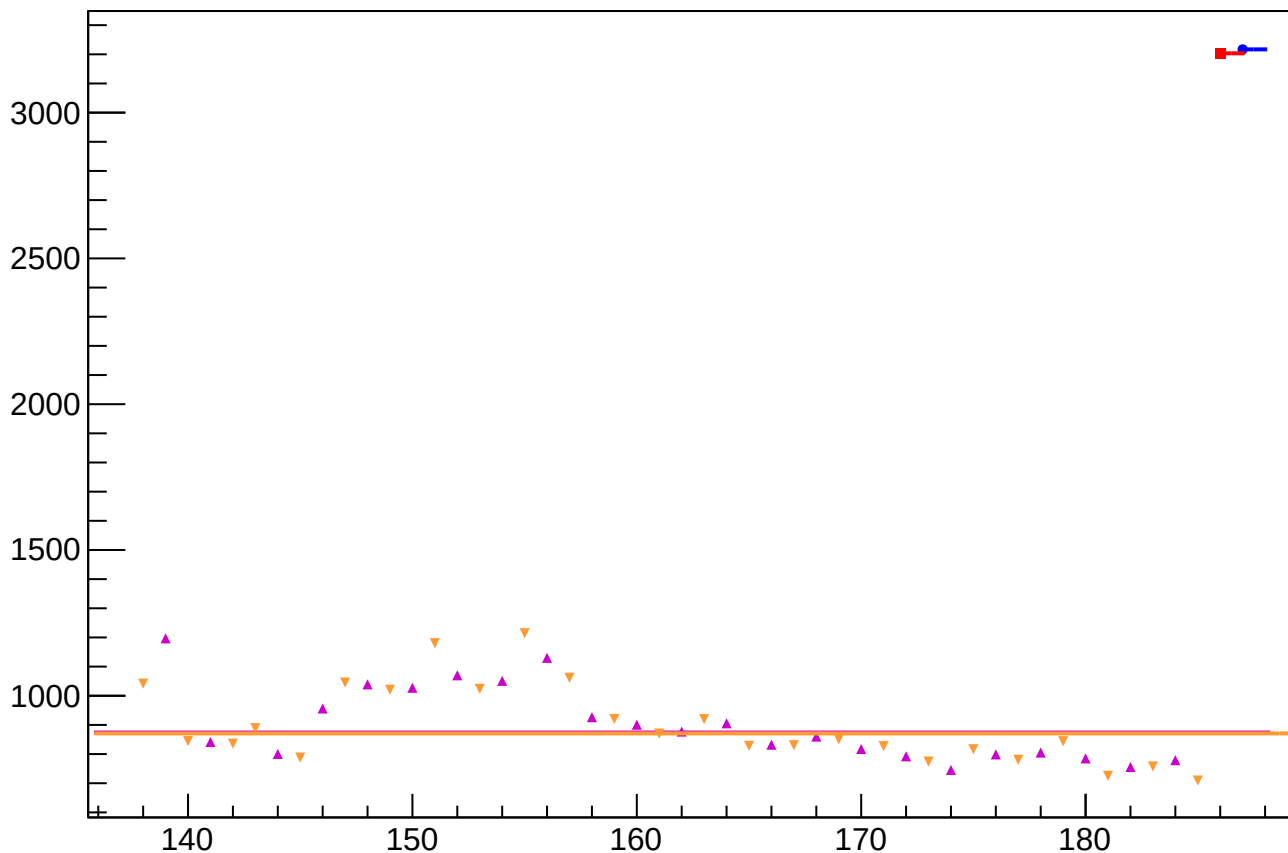
Right: -2142.675 $\pm$ 4401.691 χ^2 /NDF: 0.2/1

In: 42.080 $\pm$ 210.141 χ^2 /NDF:28.1/23

Out: 868.493 $\pm$ 205.411 χ^2 /NDF:55.7/25

All: 464.691 $\pm$ 146.891 χ^2 /NDF: 91.8/49

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 3216.942 $\pm$ 5.854 χ^2 /NDF: 0.0/0

Left Out: 870.853 $\pm$ 0.145 χ^2 /NDF:651805.6/24

Right Out: 3203.449 $\pm$ 3.675 χ^2 /NDF: 0.0/0

Left In: 873.902 $\pm$ 0.149 χ^2 /NDF:583344.5/22

Left: 872.344 $\pm$ 0.104 χ^2 /NDF: 1235365.2/47

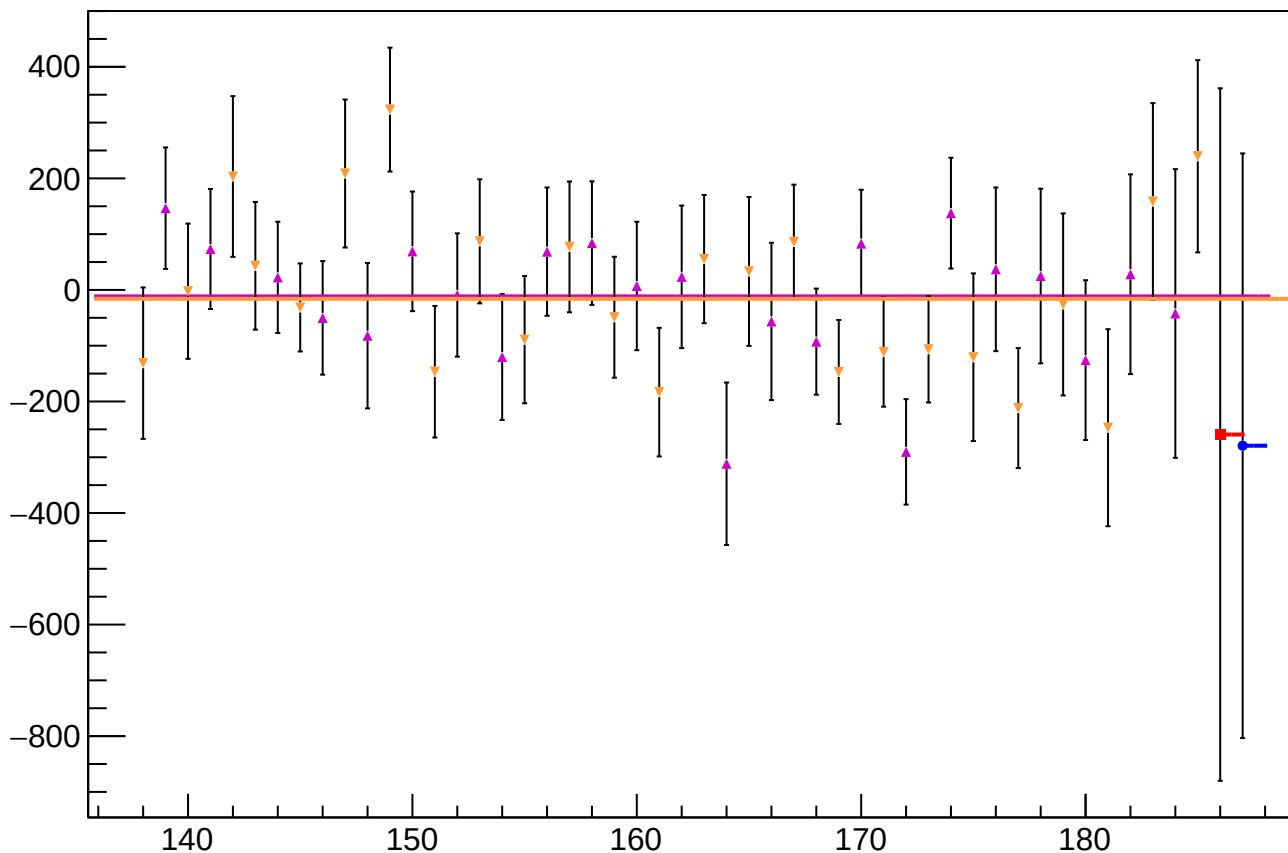
Right: 3207.264 $\pm$ 3.112 χ^2 /NDF: 3.8/1

In: 875.412 $\pm$ 0.149 χ^2 /NDF:743444.0/23

Out: 874.497 $\pm$ 0.145 χ^2 /NDF:1054053.9/25

All: 874.944 $\pm$ 0.104 χ^2 /NDF: 1797517.3/49

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -279.336 ± 524.108 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -15.956 ± 23.377 $\chi^2/\text{NDF}: 34.9/24$

Right Out: -259.284 ± 620.817 $\chi^2/\text{NDF}: 0.0/0$

Left In: -11.570 ± 24.412 $\chi^2/\text{NDF}: 24.0/22$

Left: -13.858 ± 16.884 $\chi^2/\text{NDF}: 58.9/47$

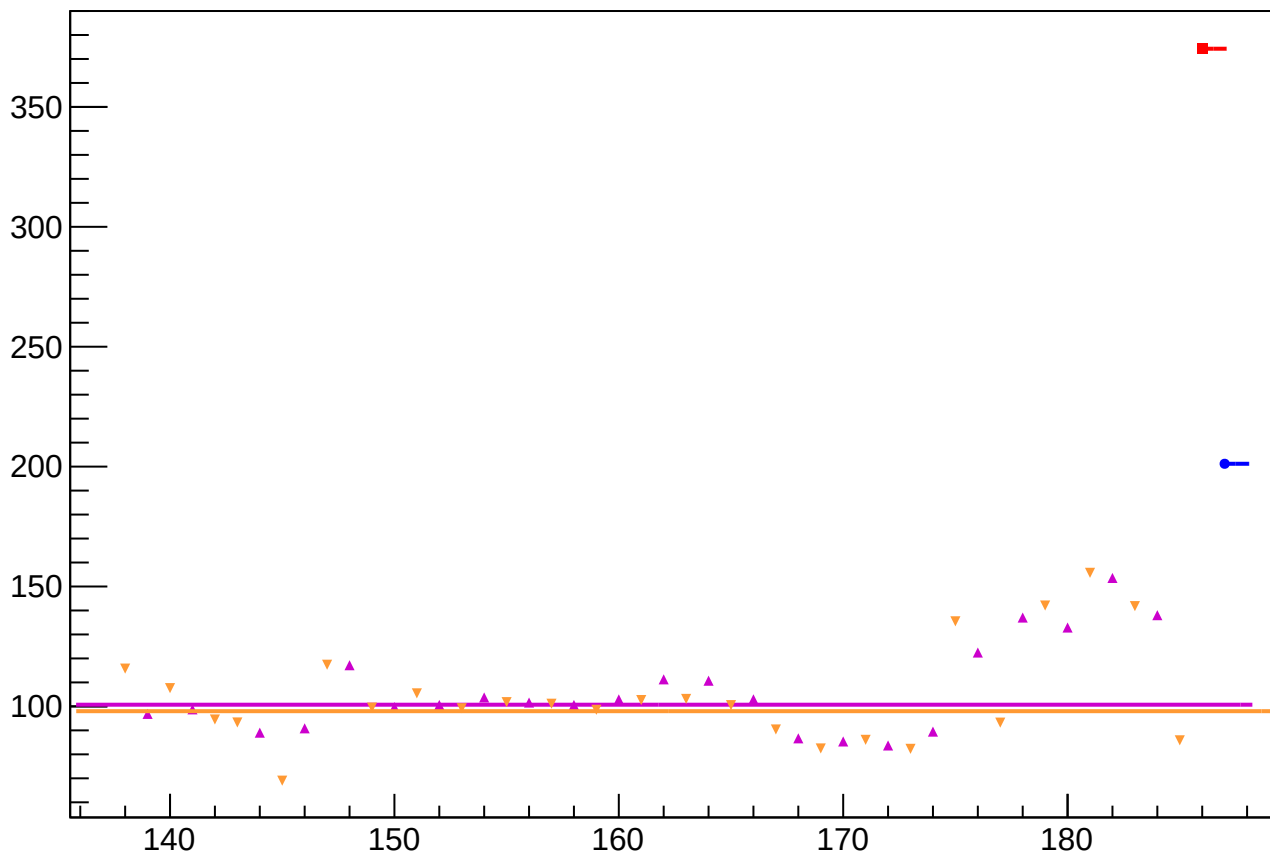
Right: -270.992 ± 400.478 $\chi^2/\text{NDF}: 0.0/1$

In: -12.149 ± 24.385 $\chi^2/\text{NDF}: 24.2/23$

Out: -16.300 ± 23.361 $\chi^2/\text{NDF}: 35.1/25$

All: -14.314 ± 16.869 $\chi^2/\text{NDF}: 59.3/49$

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 201.182 $\pm$ 0.371 χ^2 /NDF: 0.0/0

Left Out: 98.001 $\pm$ 0.017 χ^2 /NDF:1155021.9/24

Right Out: 374.275 $\pm$ 0.439 χ^2 /NDF: 0.0/0

Left In: 100.704 $\pm$ 0.017 χ^2 /NDF:759922.8/22

Left: 99.294 $\pm$ 0.012 χ^2 /NDF: 1927728.9/47

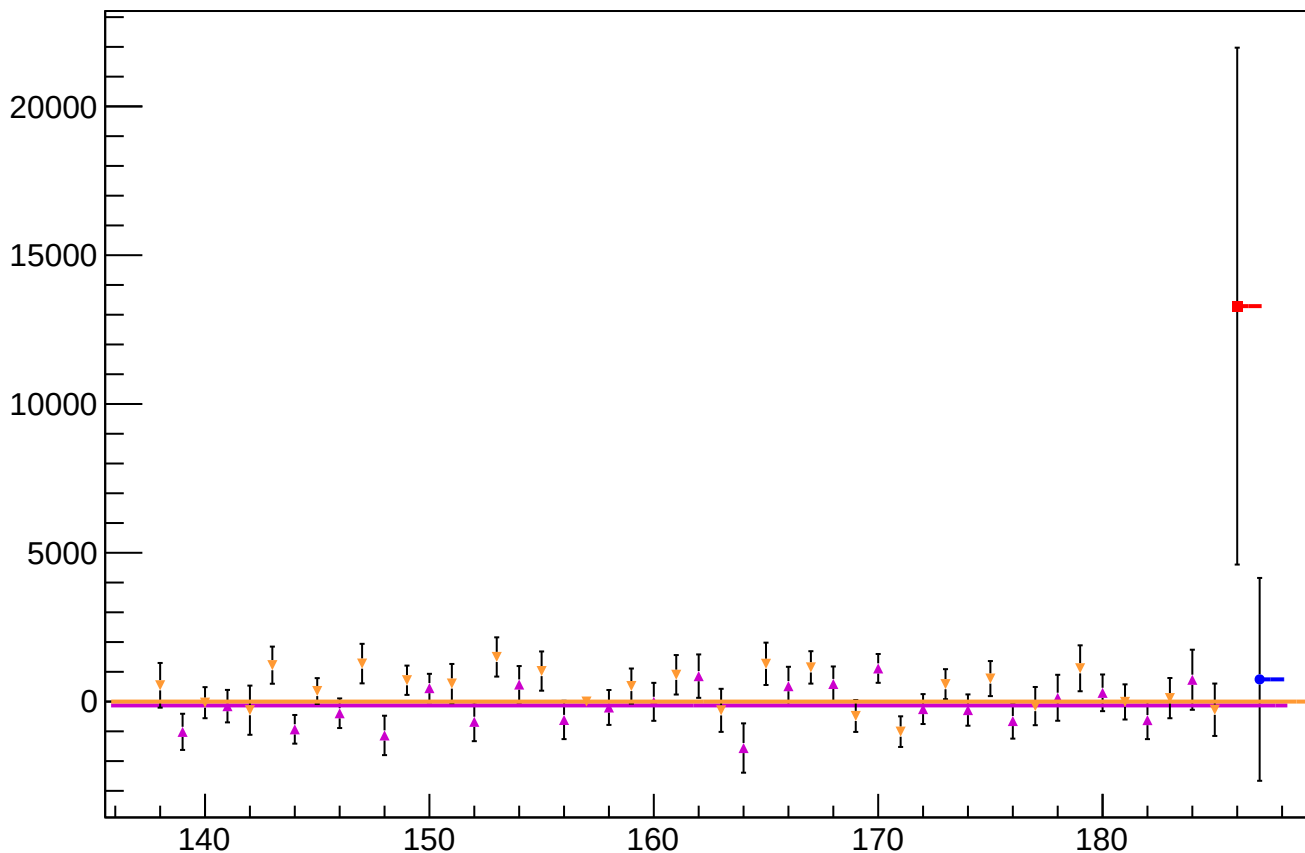
Right: 273.211 $\pm$ 0.283 χ^2 /NDF: 90777.5/1

In: 100.921 $\pm$ 0.017 χ^2 /NDF:833271.4/23

Out: 98.392 $\pm$ 0.017 χ^2 /NDF:1550540.3/25

All: 99.603 $\pm$ 0.012 χ^2 /NDF: 2395025.7/49

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 746.321+/-3408.355 χ^2/NDF : 0.0/0

Left Out: -0.000+/-0.000 χ^2/NDF : 39.9/24

Right Out: 13288.891+/-8684.786 χ^2/NDF : 0.0/0

Left In: -129.094+/-124.247 χ^2/NDF : 28.3/22

Left: -0.000+/-0.000 χ^2/NDF : 69.3/47

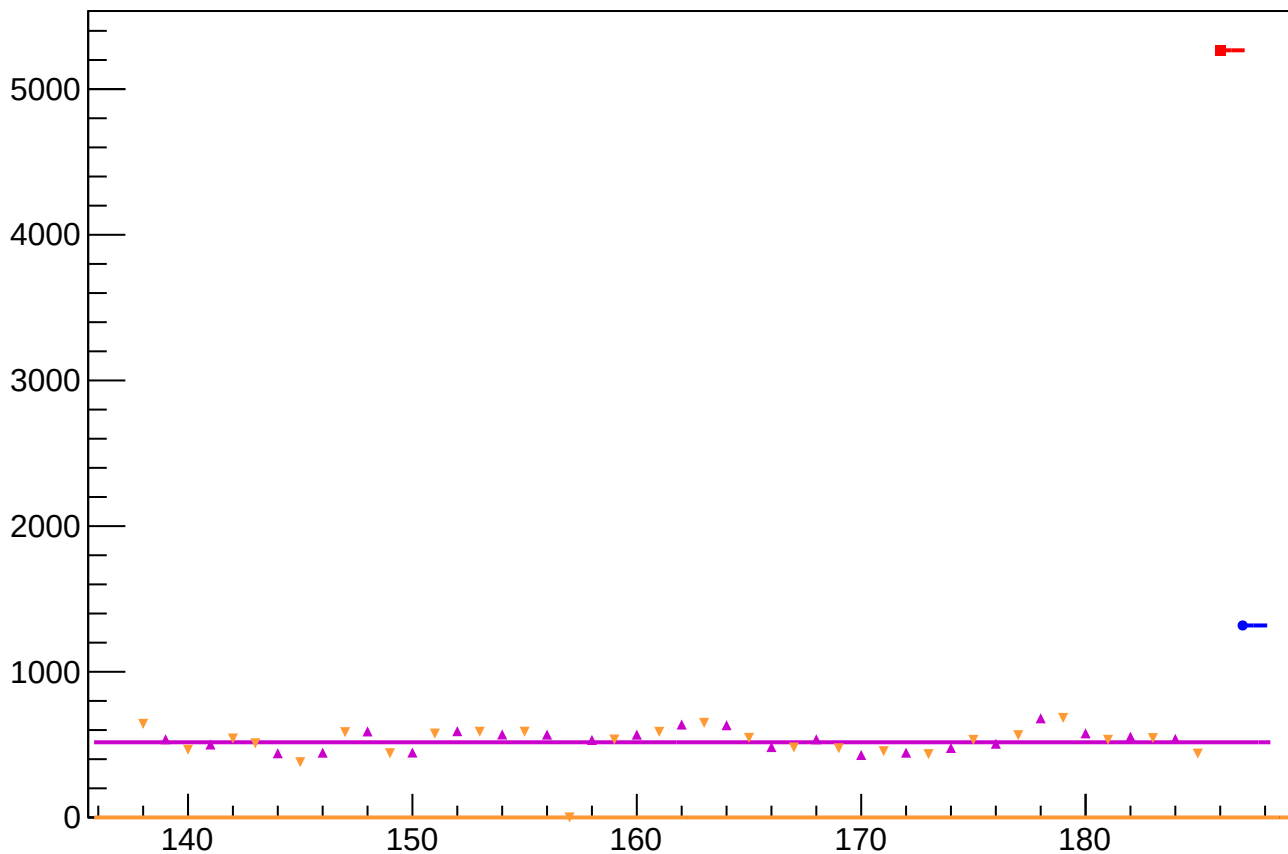
Right: 2420.282+/-3172.770 χ^2/NDF : 1.8/1

In: -127.932+/-124.164 χ^2/NDF : 28.4/23

Out: -0.000+/-0.000 χ^2/NDF : 42.2/25

All: -0.000+/-0.000 χ^2/NDF : 71.7/49

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1318.004 $\pm$ 2.410 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:34974091.9/24

Right Out: 5266.460 $\pm$ 6.141 χ^2 /NDF: 0.0/0

Left In: 516.120 $\pm$ 0.088 χ^2 /NDF:571744.7/22

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 70057167.0/47

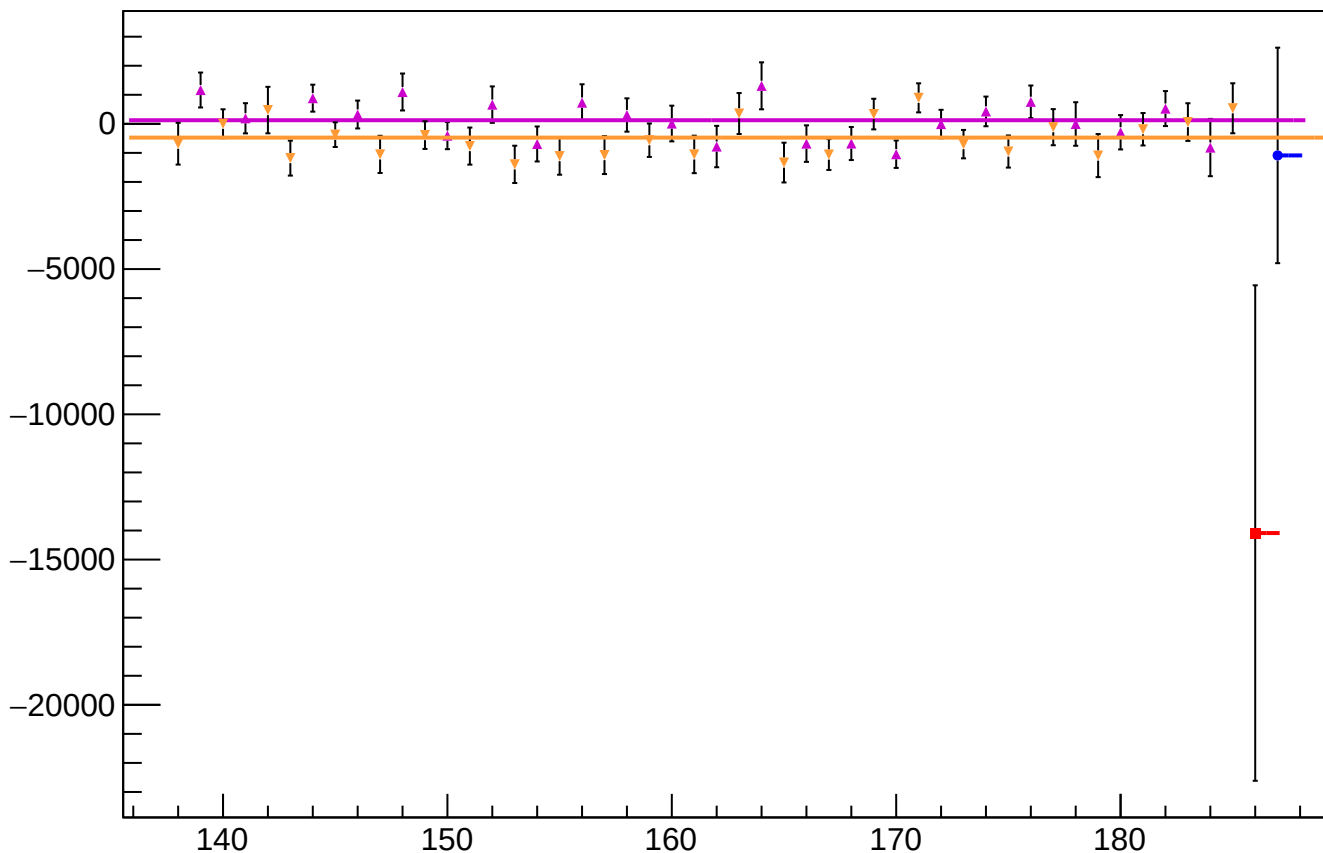
Right: 1844.974 $\pm$ 2.243 χ^2 /NDF: 358223.4/1

In: 517.184 $\pm$ 0.088 χ^2 /NDF:682301.7/23

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:35709535.5/25

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 71091681.1/49

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -1087.606 $\pm$ 3709.487 χ^2 /NDF: 0.0/0

Left Out: -473.870 $\pm$ 117.977 χ^2 /NDF:27.9/24

Right Out: -14086.926 $\pm$ 8528.393 χ^2 /NDF: 0.0/0

Left In: 124.022 $\pm$ 120.216 χ^2 /NDF:30.2/22

Left: -180.543 $\pm$ 84.203 χ^2 /NDF: 70.7/47

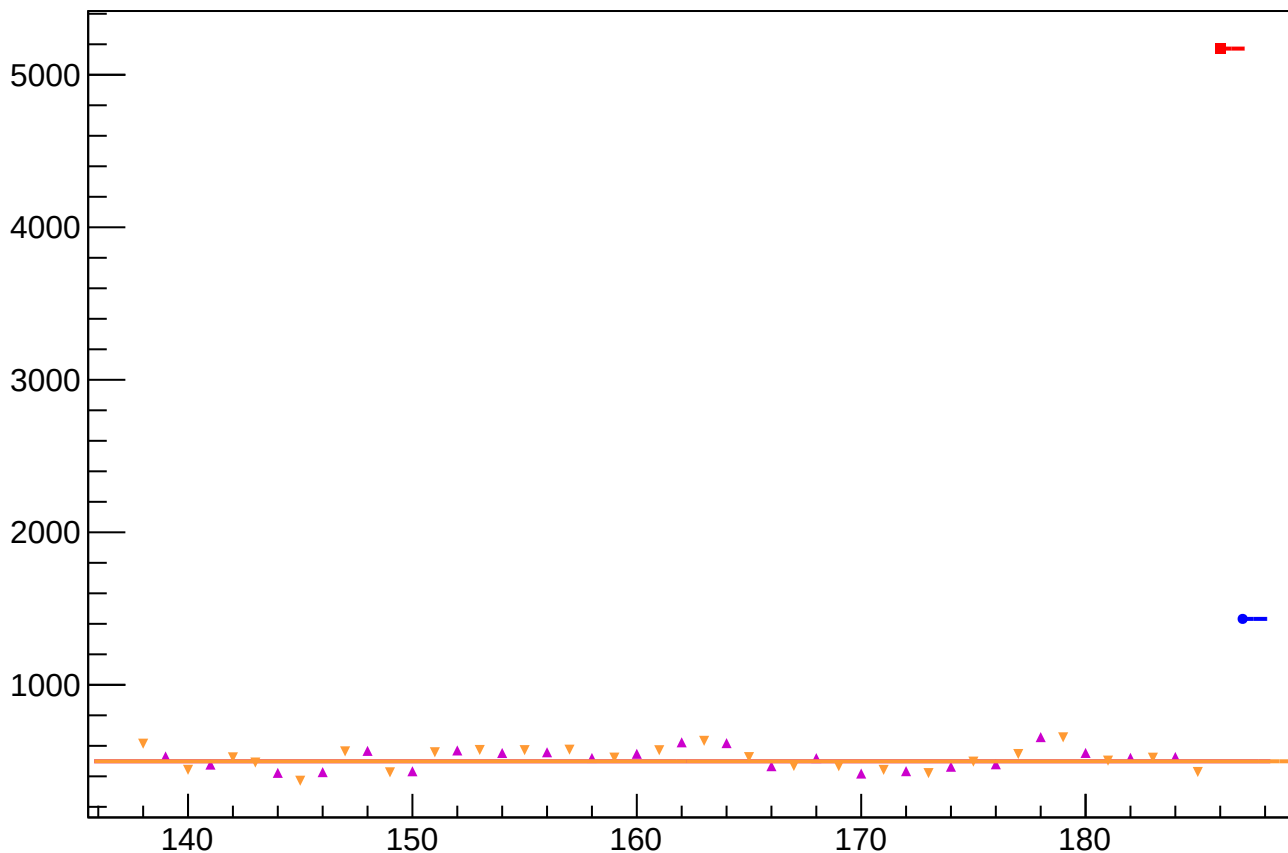
Right: -3155.668 $\pm$ 3401.642 χ^2 /NDF: 2.0/1

In: 122.751 $\pm$ 120.153 χ^2 /NDF:30.3/23

Out: -476.475 $\pm$ 117.966 χ^2 /NDF:30.5/25

All: -182.365 $\pm$ 84.177 χ^2 /NDF: 73.4/49

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 1432.394 $\pm$ 2.623 χ^2 /NDF: 0.0/0

Left Out: 498.662 $\pm$ 0.083 χ^2 /NDF: 734652.4/24

Right Out: 5171.734 $\pm$ 6.030 χ^2 /NDF: 0.0/0

Left In: 498.835 $\pm$ 0.085 χ^2 /NDF: 572334.3/22

Left: 498.747 $\pm$ 0.060 χ^2 /NDF: 1306988.8/47

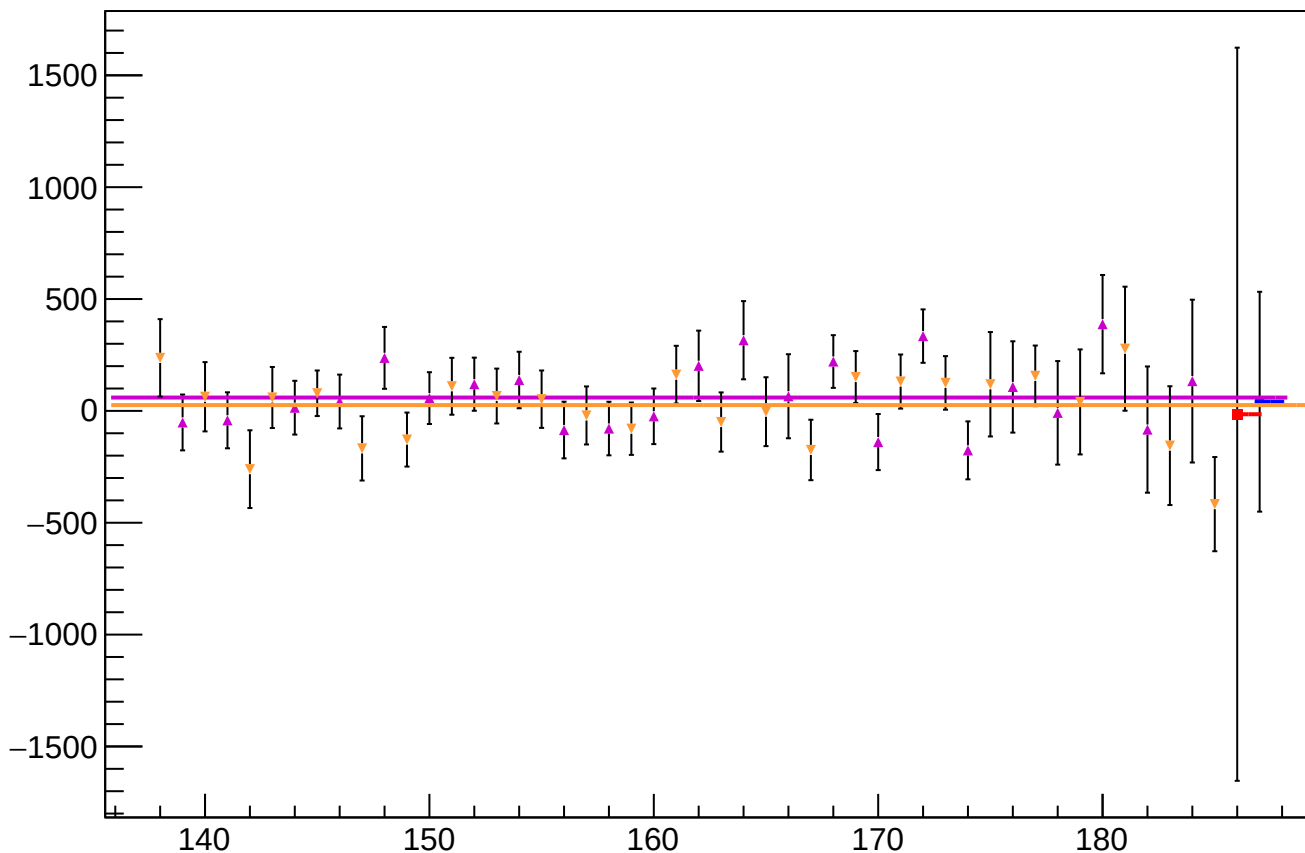
Right: 2027.286 $\pm$ 2.405 χ^2 /NDF: 323321.8/1

In: 499.814 $\pm$ 0.085 χ^2 /NDF: 698875.1/23

Out: 499.556 $\pm$ 0.083 χ^2 /NDF: 1335020.1/25

All: 499.683 $\pm$ 0.060 χ^2 /NDF: 2033899.8/49

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 40.971 $\pm$ 491.377 χ^2 /NDF: 0.0/0

Left Out: 25.940 $\pm$ 28.120 χ^2 /NDF:22.7/24

Right Out: -14.957 $\pm$ 1638.532 χ^2 /NDF: 0.0/0

Left In: 59.603 $\pm$ 29.184 χ^2 /NDF:25.6/22

Left: 42.147 $\pm$ 20.250 χ^2 /NDF: 49.0/47

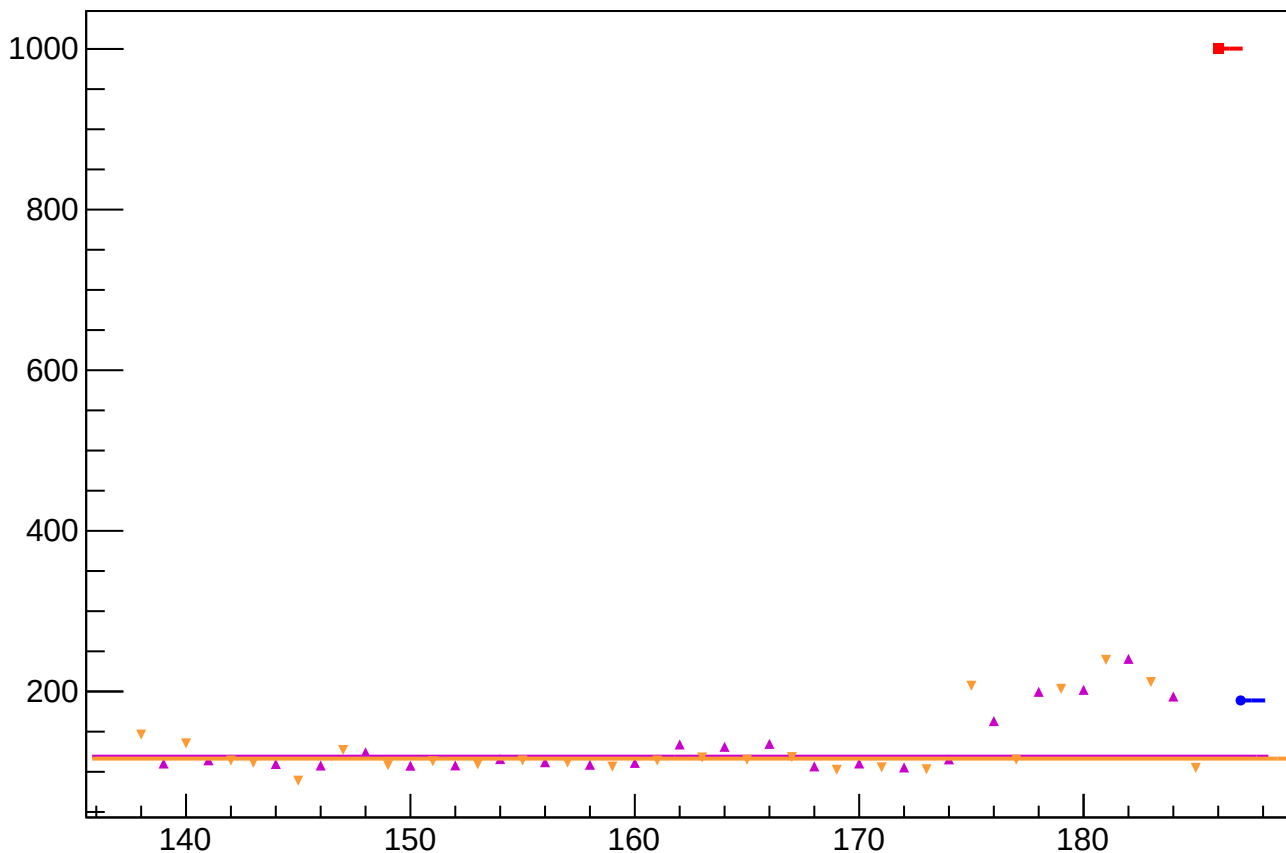
Right: 36.356 $\pm$ 470.669 χ^2 /NDF: 0.0/1

In: 59.538 $\pm$ 29.132 χ^2 /NDF:25.6/23

Out: 25.928 $\pm$ 28.116 χ^2 /NDF:22.7/25

All: 42.136 $\pm$ 20.231 χ^2 /NDF: 49.0/49

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 188.839 $\pm$ 0.347 χ^2 /NDF: 0.0/0

Left Out: 116.427 $\pm$ 0.020 χ^2 /NDF:1589669.4/24

Right Out: 1000.458 $\pm$ 1.159 χ^2 /NDF: 0.0/0

Left In: 118.822 $\pm$ 0.021 χ^2 /NDF:1289178.7/22

Left: 117.580 $\pm$ 0.014 χ^2 /NDF: 2885830.3/47

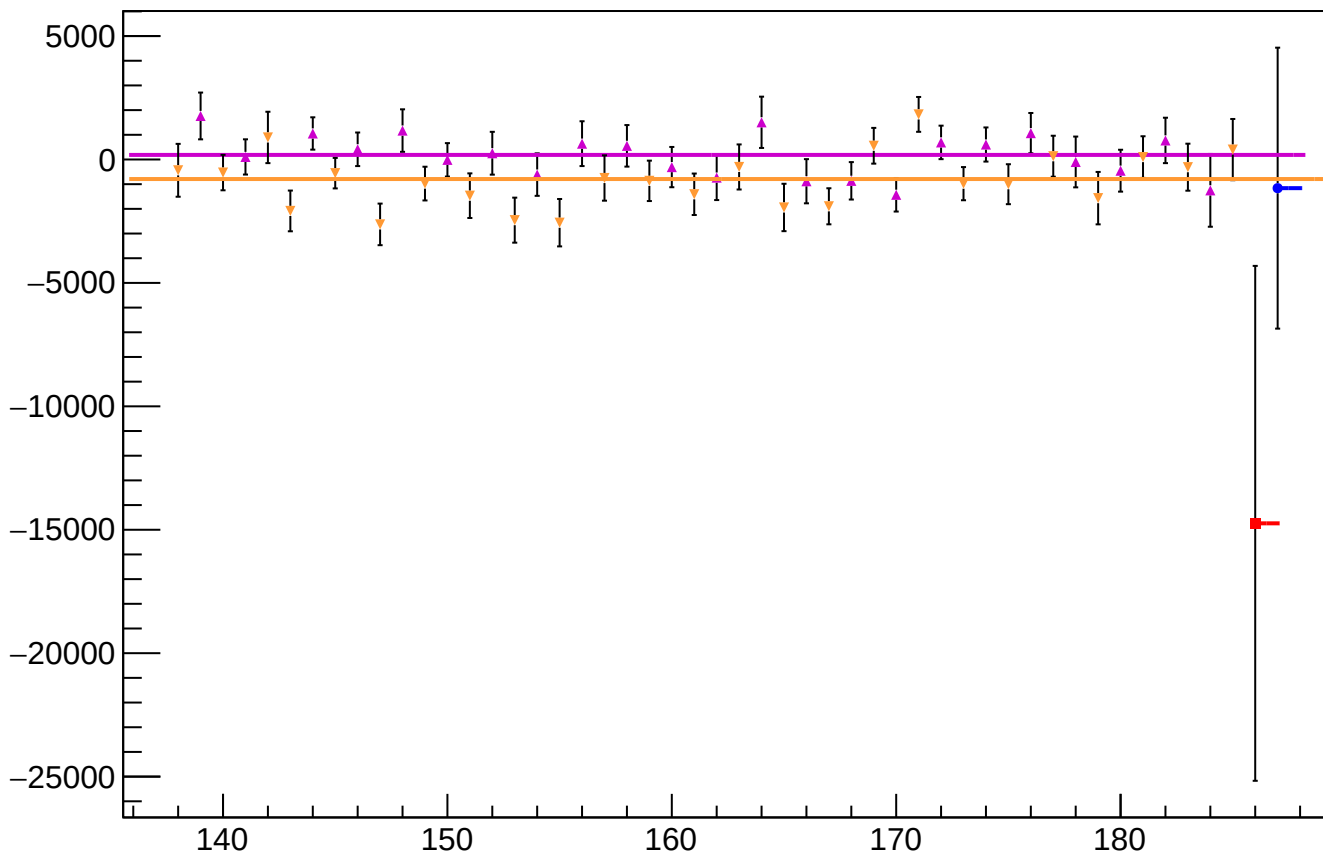
Right: 255.808 $\pm$ 0.333 χ^2 /NDF: 450220.1/1

In: 119.068 $\pm$ 0.021 χ^2 /NDF:1329643.9/23

Out: 116.688 $\pm$ 0.020 χ^2 /NDF:2171675.4/25

All: 117.836 $\pm$ 0.014 χ^2 /NDF: 3508232.6/49

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -1161.362 $\pm$ 5691.023 χ^2 /NDF: 0.0/0

Left Out: -791.963 $\pm$ 165.971 χ^2 /NDF:43.6/24

Right Out: -14740.074 $\pm$ 10429.677 χ^2 /NDF: 0.0/0

Left In: 185.191 $\pm$ 169.174 χ^2 /NDF:23.4/22

Left: -312.725 $\pm$ 118.475 χ^2 /NDF: 84.0/47

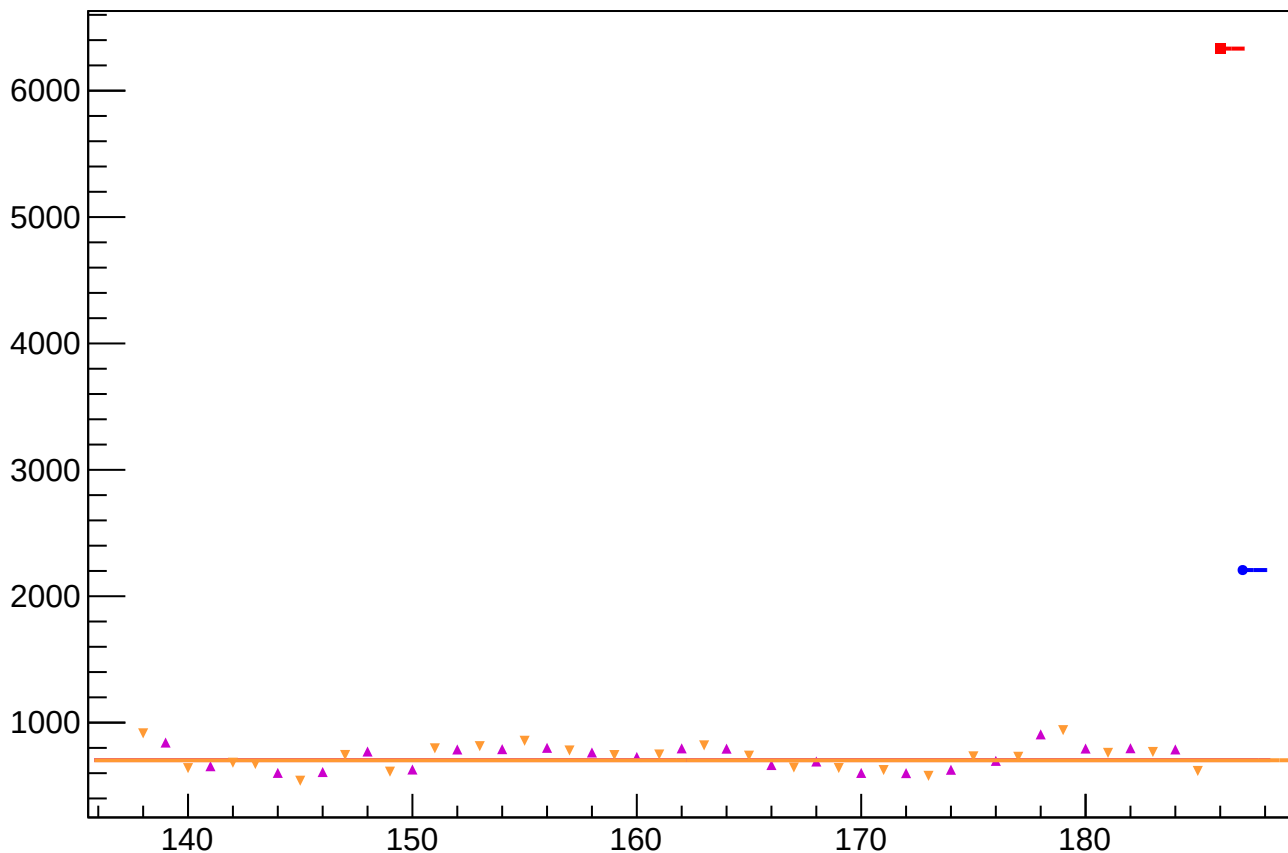
Right: -4276.731 $\pm$ 4995.699 χ^2 /NDF: 1.3/1

In: 184.002 $\pm$ 169.100 χ^2 /NDF:23.5/23

Out: -795.494 $\pm$ 165.950 χ^2 /NDF:45.4/25

All: -314.954 $\pm$ 118.442 χ^2 /NDF: 86.0/49

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 2207.161+/-4.024 χ^2/NDF : 0.0/0

Left Out: 702.152+/-0.117 χ^2/NDF : 691552.2/24

Right Out: 6332.952+/-7.375 χ^2/NDF : 0.0/0

Left In: 703.710+/-0.120 χ^2/NDF : 533573.3/22

Left: 702.916+/-0.084 χ^2/NDF : 1225211.9/47

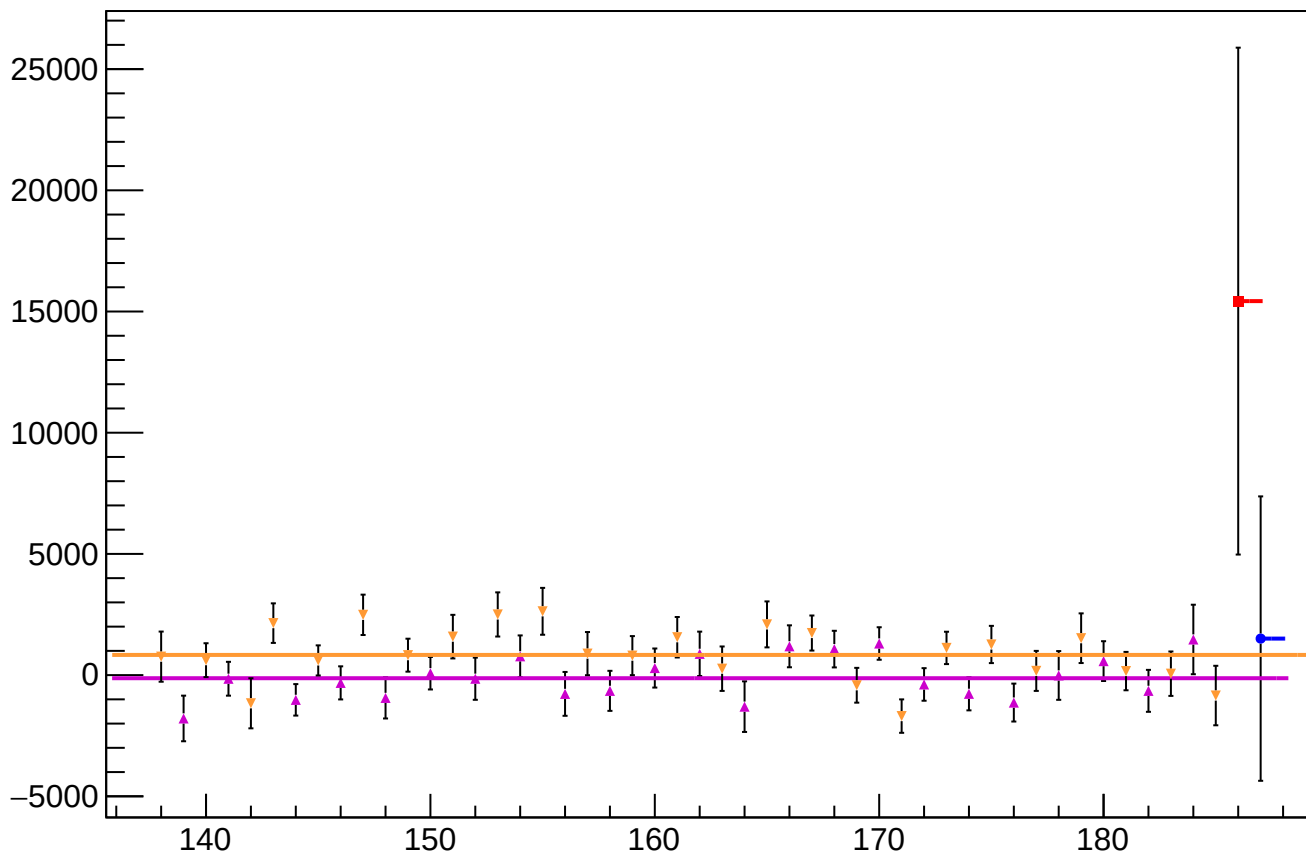
Right: 3153.743+/-3.532 χ^2/NDF : 241165.2/1

In: 705.037+/-0.120 χ^2/NDF : 673031.7/23

Out: 703.577+/-0.117 χ^2/NDF : 1274350.9/25

All: 704.294+/-0.084 χ^2/NDF : 1947458.5/49

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 1506.366 $\pm$ 5866.523 χ^2 /NDF: 0.0/0

Left Out: 832.553 $\pm$ 163.428 χ^2 /NDF:43.8/24

Right Out: 15429.058 $\pm$ 10455.613 χ^2 /NDF: 0.0/0

Left In: -128.120 $\pm$ 166.866 χ^2 /NDF:25.3/22

Left: 362.214 $\pm$ 116.758 χ^2 /NDF: 86.0/47

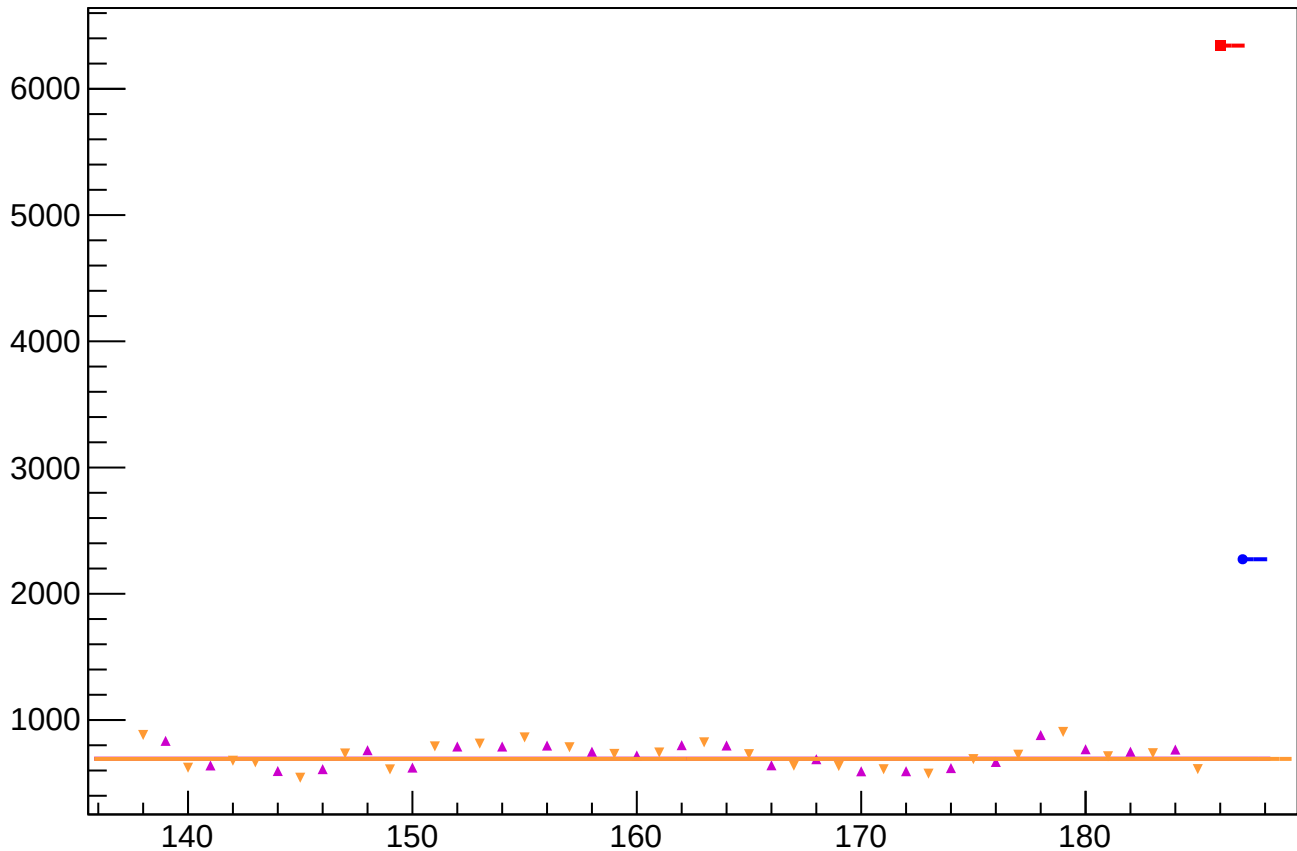
Right: 4840.011 $\pm$ 5116.201 χ^2 /NDF: 1.3/1

In: -126.798 $\pm$ 166.798 χ^2 /NDF:25.4/23

Out: 836.119 $\pm$ 163.408 χ^2 /NDF:45.8/25

All: 364.545 $\pm$ 116.727 χ^2 /NDF: 88.1/49

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 2273.510 $\pm$ 4.148 χ^2 /NDF: 0.0/0

Left Out: 692.071 $\pm$ 0.116 χ^2 /NDF: 657636.6/24

Right Out: 6342.458 $\pm$ 7.393 χ^2 /NDF: 0.0/0

Left In: 693.615 $\pm$ 0.118 χ^2 /NDF: 520692.6/22

Left: 692.827 $\pm$ 0.083 χ^2 /NDF: 1178416.7/47

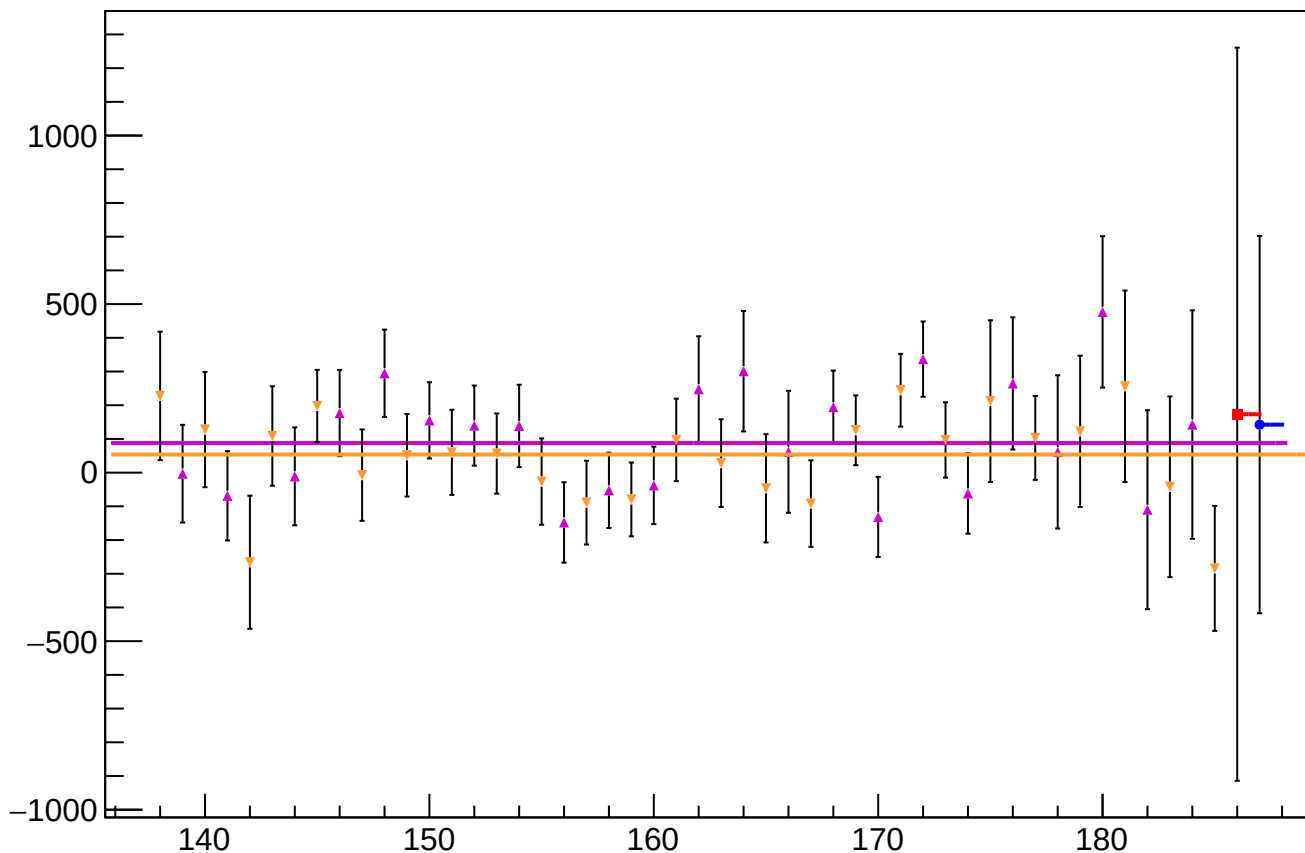
Right: 3247.778 $\pm$ 3.618 χ^2 /NDF: 230371.5/1

In: 694.893 $\pm$ 0.118 χ^2 /NDF: 665627.7/23

Out: 693.451 $\pm$ 0.116 χ^2 /NDF: 1241594.3/25

All: 694.157 $\pm$ 0.083 χ^2 /NDF: 1907298.2/49

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 142.315 $\pm$ 559.659 χ^2 /NDF: 0.0/0

Left Out: 53.701 $\pm$ 27.462 χ^2 /NDF:19.2/24

Right Out: 173.249 $\pm$ 1087.496 χ^2 /NDF: 0.0/0

Left In: 88.085 $\pm$ 28.764 χ^2 /NDF:30.4/22

Left: 70.097 $\pm$ 19.863 χ^2 /NDF: 50.3/47

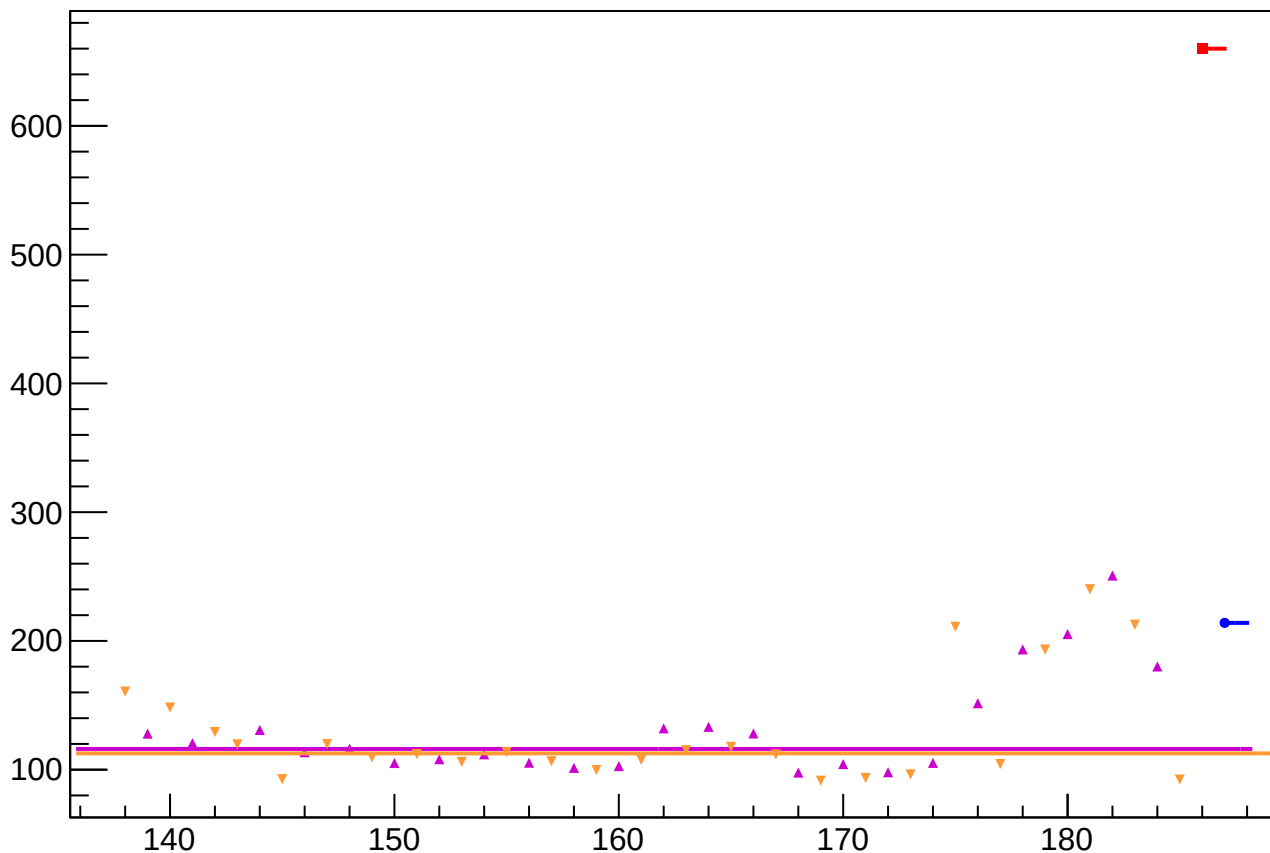
Right: 148.793 $\pm$ 497.628 χ^2 /NDF: 0.0/1

In: 88.227 $\pm$ 28.726 χ^2 /NDF:30.4/23

Out: 53.777 $\pm$ 27.453 χ^2 /NDF:19.2/25

All: 70.222 $\pm$ 19.847 χ^2 /NDF: 50.4/49

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 214.020 $\pm$ 0.396 χ^2 /NDF: 0.0/0

Left Out: 112.668 $\pm$ 0.019 χ^2 /NDF:1851455.7/24

Right Out: 659.972 $\pm$ 0.769 χ^2 /NDF: 0.0/0

Left In: 116.108 $\pm$ 0.020 χ^2 /NDF:1438879.3/22

Left: 114.308 $\pm$ 0.014 χ^2 /NDF: 3305297.3/47

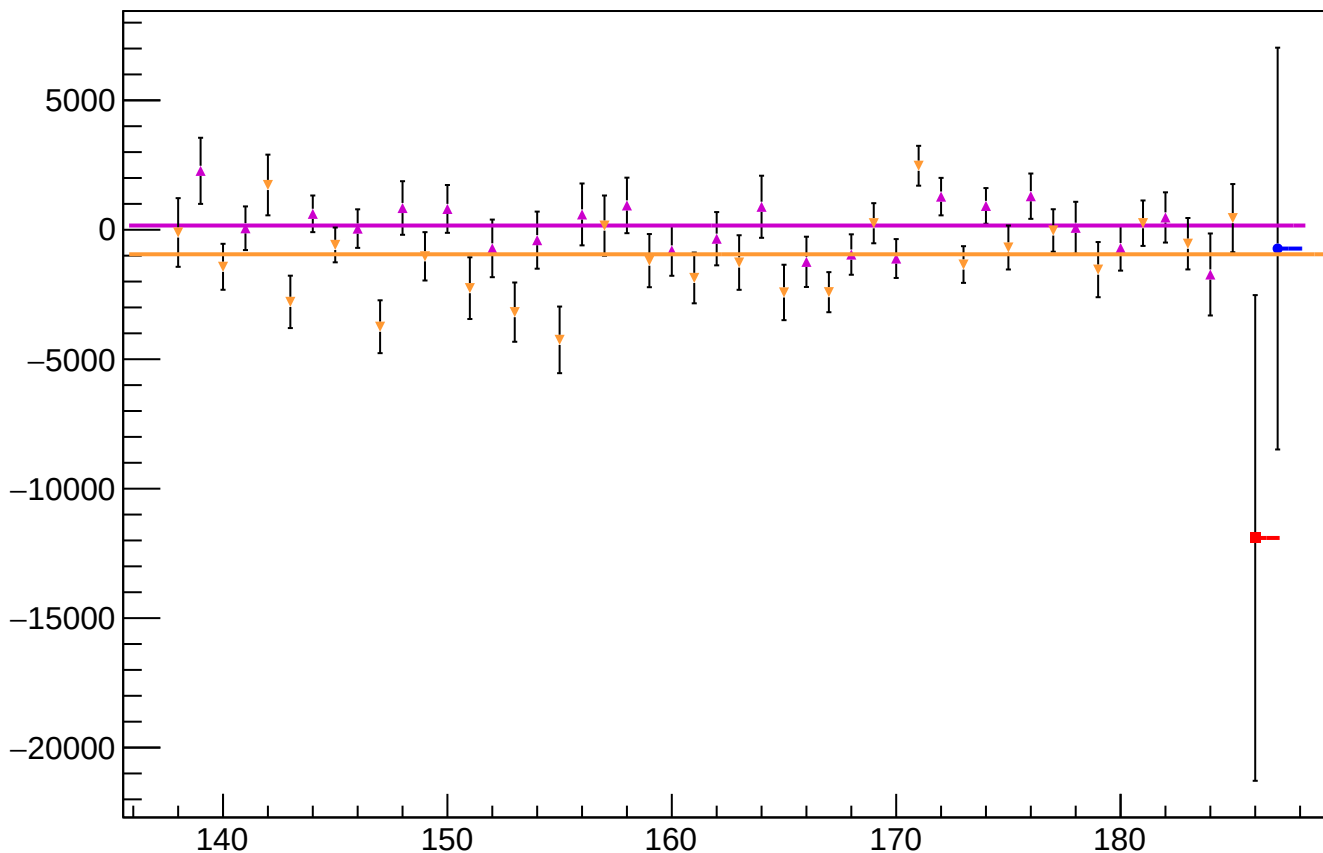
Right: 307.397 $\pm$ 0.352 χ^2 /NDF: 265896.9/1

In: 116.366 $\pm$ 0.020 χ^2 /NDF:1499932.7/23

Out: 113.017 $\pm$ 0.019 χ^2 /NDF:2357693.3/25

All: 114.615 $\pm$ 0.014 χ^2 /NDF: 3871832.4/49

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -726.191+/-7759.842 χ^2/NDF : 0.0/0

Left Out: -946.412+/-188.668 χ^2/NDF : 63.3/24

Right Out: -11903.398+/-9379.927 χ^2/NDF : 0.0/0

Left In: 164.202+/-191.131 χ^2/NDF : 22.0/22

Left: -398.306+/-134.271 χ^2/NDF : 102.4/47

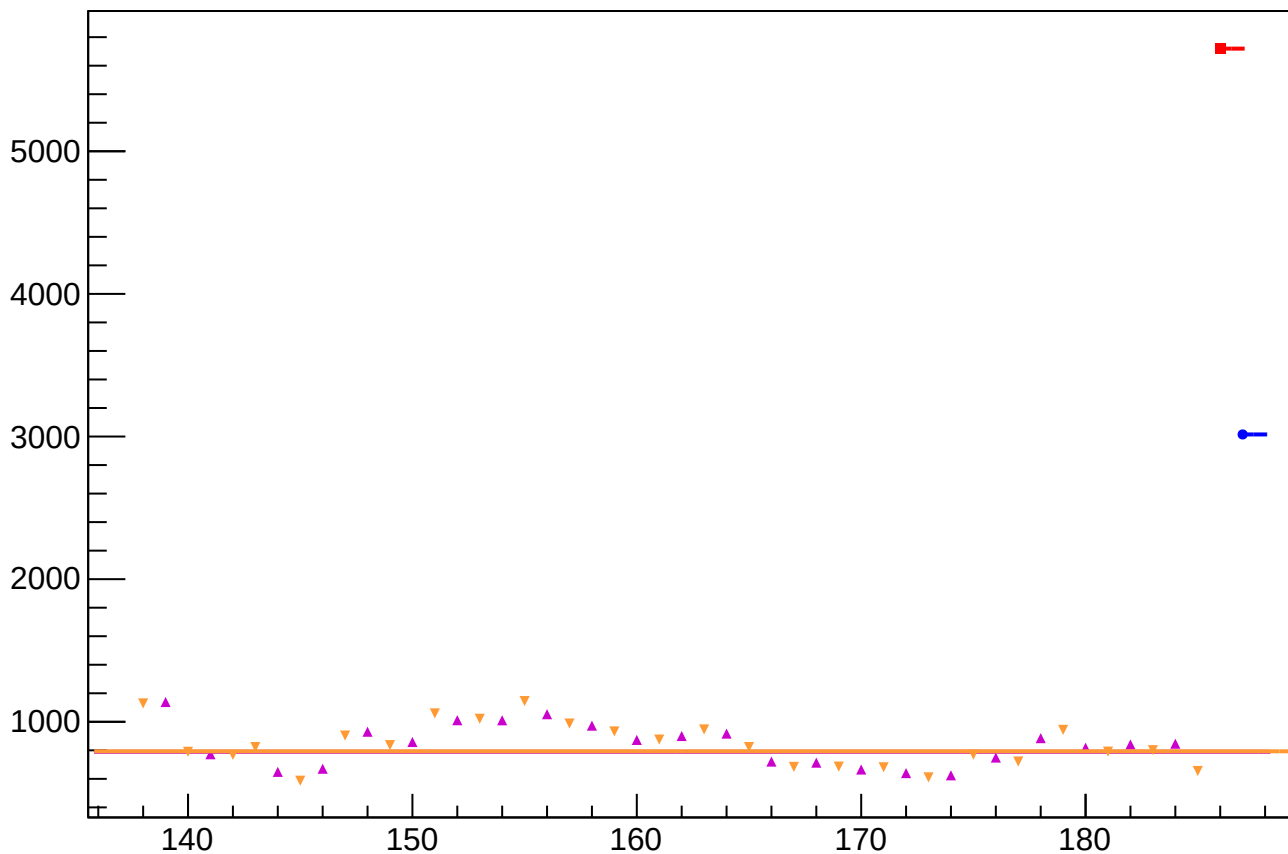
Right: -5267.658+/-5979.032 χ^2/NDF : 0.8/1

In: 163.662+/-191.073 χ^2/NDF : 22.1/23

Out: -950.843+/-188.630 χ^2/NDF : 64.7/25

All: -400.761+/-134.237 χ^2/NDF : 104.0/49

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 3014.582+/-5.487 χ^2/NDF : 0.0/0

Left Out: 793.154+/-0.133 χ^2/NDF :1158856.1/24

Right Out: 5719.641+/-6.633 χ^2/NDF : 0.0/0

Left In: 789.699+/-0.135 χ^2/NDF :1019959.0/22

Left: 791.449+/-0.095 χ^2/NDF : 2179146.2/47

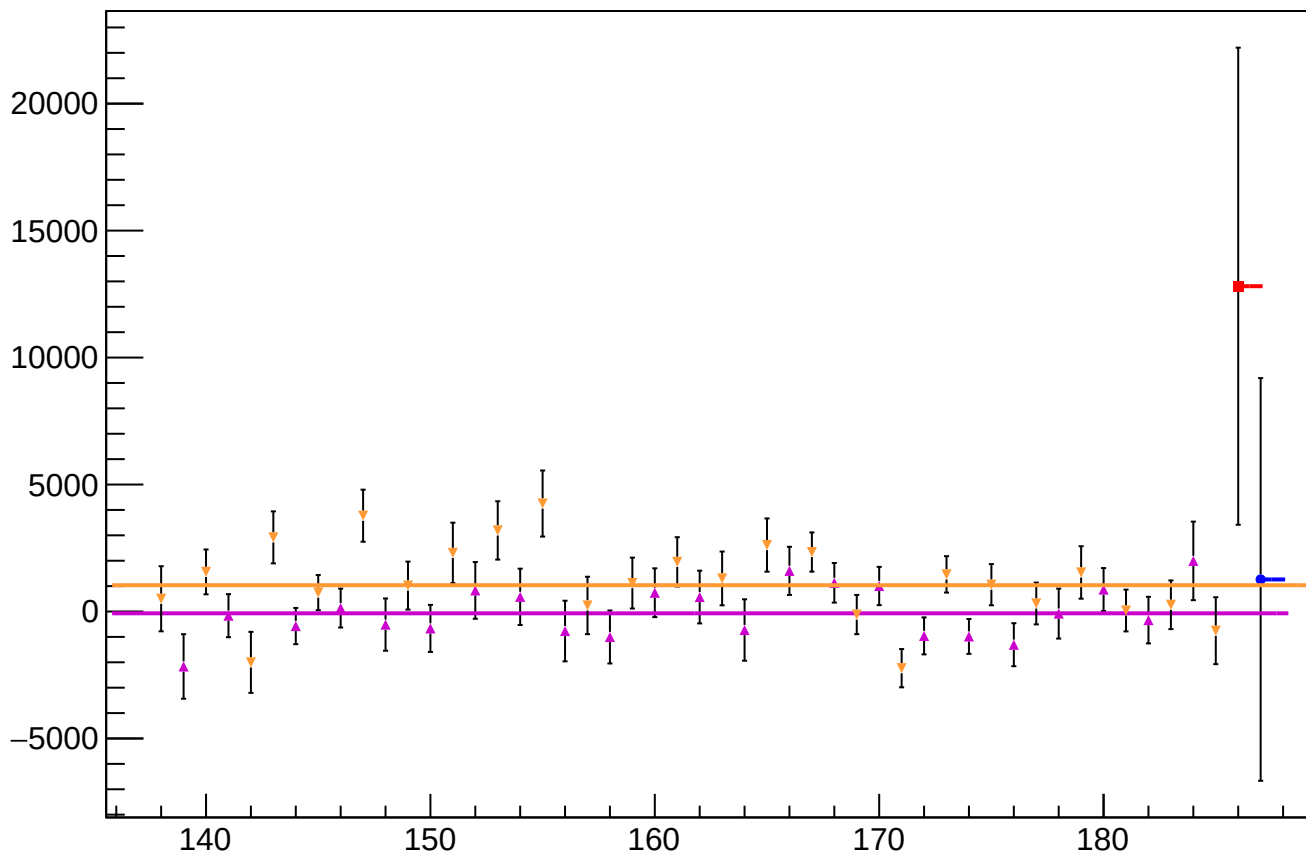
Right: 4113.688+/-4.228 χ^2/NDF : 98750.8/1

In: 791.048+/-0.135 χ^2/NDF :1184273.2/23

Out: 795.147+/-0.133 χ^2/NDF :1710336.5/25

All: 793.124+/-0.095 χ^2/NDF : 2895075.8/49

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 1262.741 $\pm$ 7929.221 χ^2 /NDF: 0.0/0

Left Out: 1035.605 $\pm$ 187.244 χ^2 /NDF:61.4/24

Right Out: 12810.123 $\pm$ 9393.692 χ^2 /NDF: 0.0/0

Left In: -70.852 $\pm$ 190.155 χ^2 /NDF:23.4/22

Left: 490.913 $\pm$ 133.419 χ^2 /NDF: 101.9/47

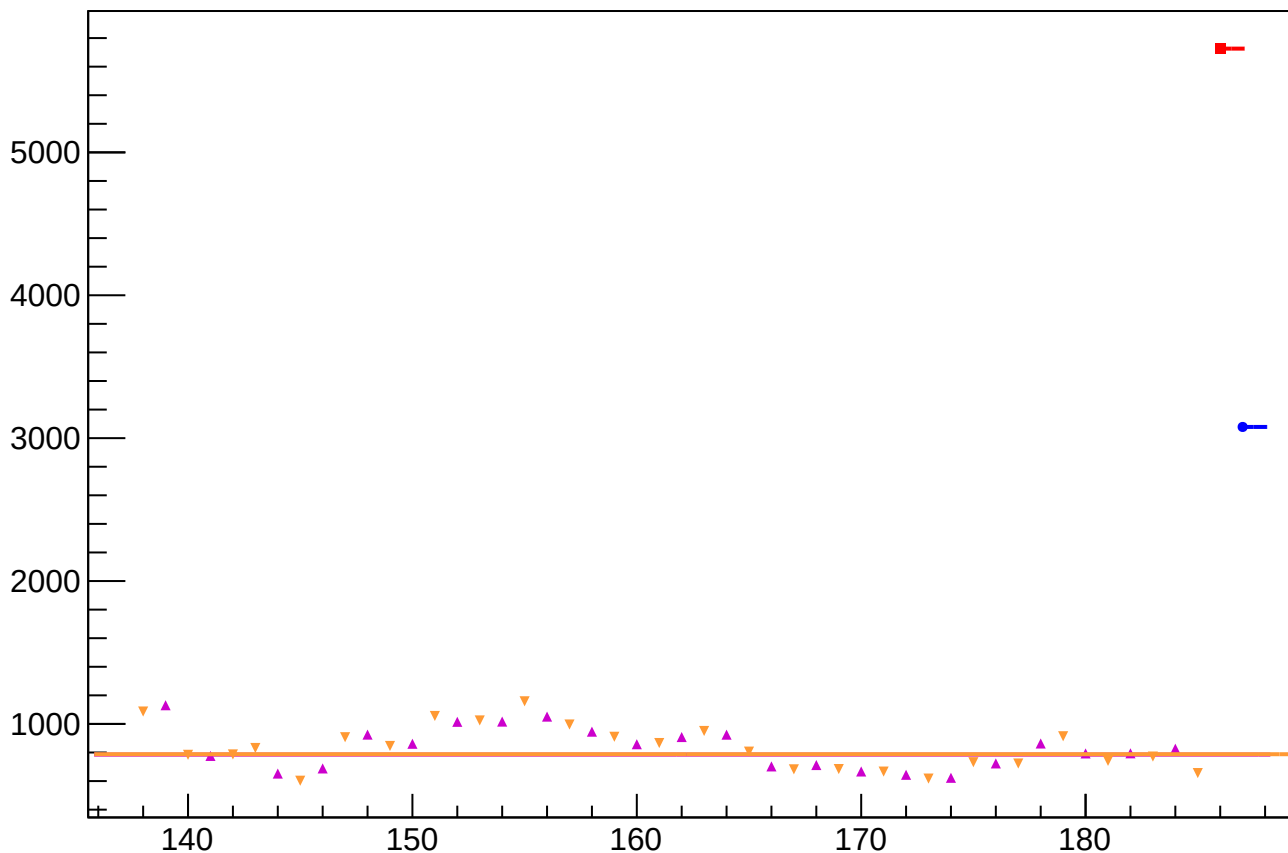
Right: 6067.149 $\pm$ 6059.189 χ^2 /NDF: 0.9/1

In: -70.085 $\pm$ 190.101 χ^2 /NDF:23.4/23

Out: 1040.281 $\pm$ 187.206 χ^2 /NDF:62.9/25

All: 493.615 $\pm$ 133.386 χ^2 /NDF: 103.7/49

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 3078.464 $\pm$ 5.607 χ^2 /NDF: 0.0/0

Left Out: 787.981 $\pm$ 0.132 χ^2 /NDF:1113986.0/24

Right Out: 5726.201 $\pm$ 6.642 χ^2 /NDF: 0.0/0

Left In: 785.179 $\pm$ 0.134 χ^2 /NDF:976942.0/22

Left: 786.602 $\pm$ 0.094 χ^2 /NDF: 2091148.6/47

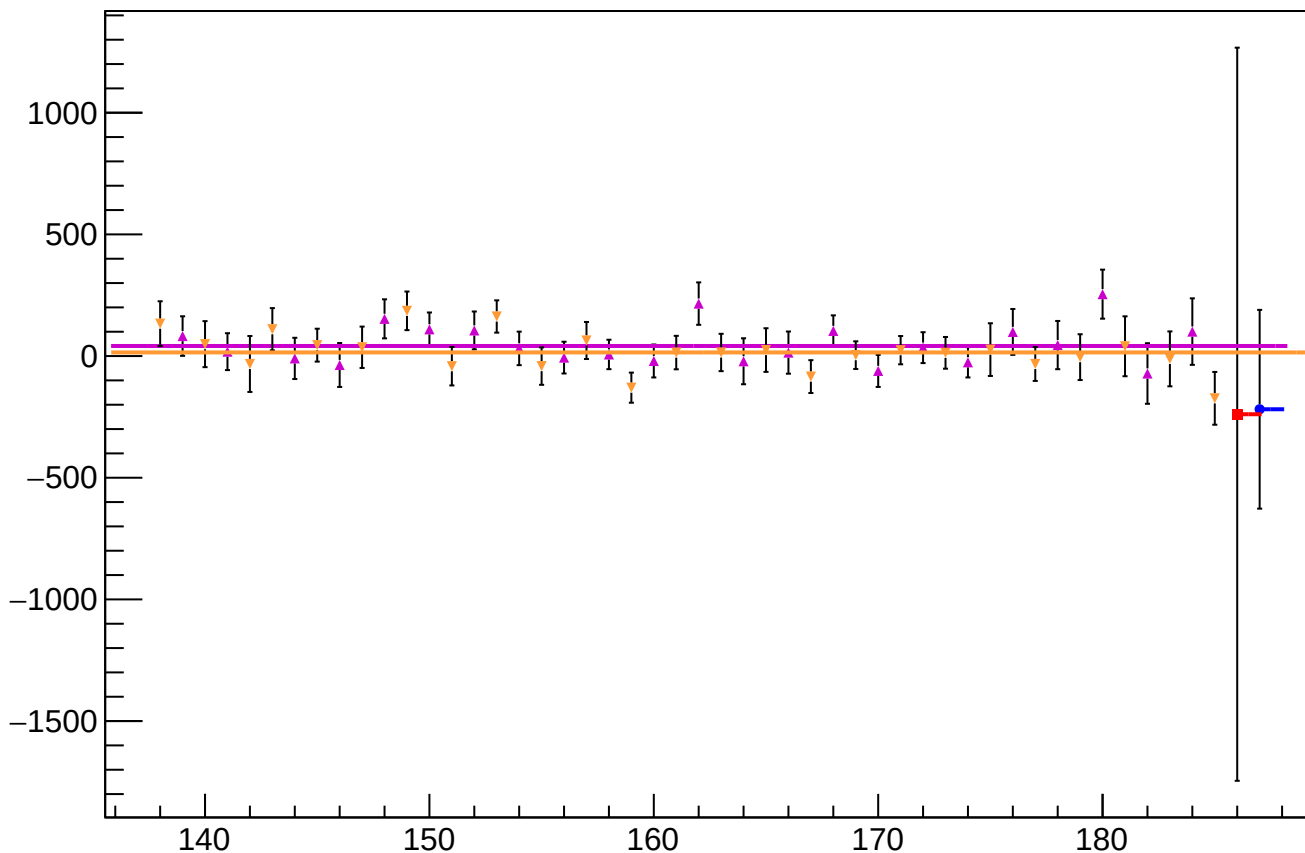
Right: 4180.082 $\pm$ 4.284 χ^2 /NDF: 92784.4/1

In: 786.497 $\pm$ 0.134 χ^2 /NDF:1144141.7/23

Out: 789.942 $\pm$ 0.132 χ^2 /NDF:1666477.5/25

All: 788.246 $\pm$ 0.094 χ^2 /NDF: 2810952.7/49

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: -218.640 ± 408.440 χ^2/NDF : 0.0/0

Left Out: 14.879 ± 15.529 χ^2/NDF : 25.8/24

Right Out: -239.061 ± 1506.387 χ^2/NDF : 0.0/0

Left In: 41.428 ± 16.130 χ^2/NDF : 21.7/22

Left: 27.650 ± 11.187 χ^2/NDF : 48.9/47

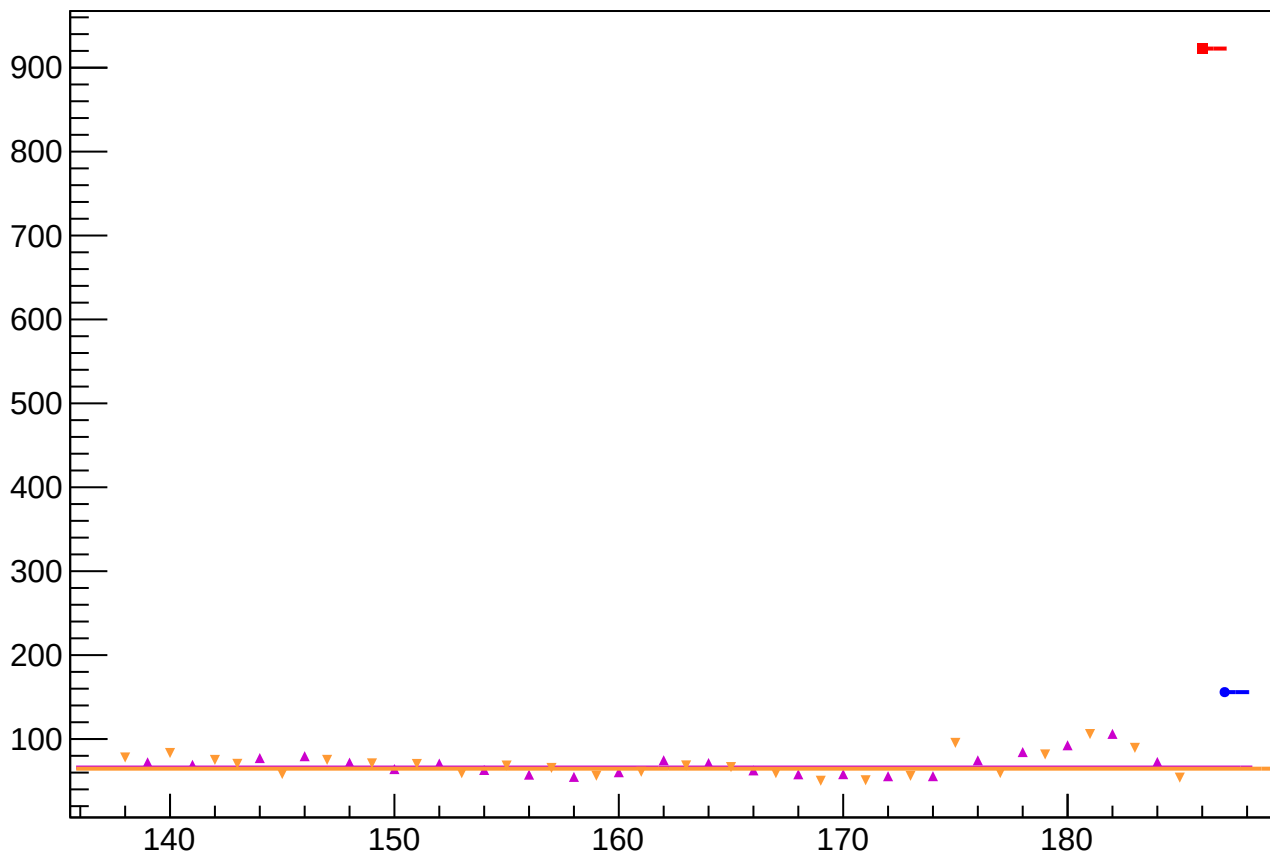
Right: -220.038 ± 394.207 χ^2/NDF : 0.0/1

In: 41.023 ± 16.118 χ^2/NDF : 22.1/23

Out: 14.852 ± 15.529 χ^2/NDF : 25.9/25

All: 27.450 ± 11.183 χ^2/NDF : 49.3/49

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 155.887 $\pm$ 0.289 χ^2 /NDF: 0.0/0

Left Out: 64.680 $\pm$ 0.011 χ^2 /NDF:1150386.4/24

Right Out: 922.789 $\pm$ 1.065 χ^2 /NDF: 0.0/0

Left In: 66.016 $\pm$ 0.011 χ^2 /NDF:868433.2/22

Left: 65.322 $\pm$ 0.008 χ^2 /NDF: 2025941.7/47

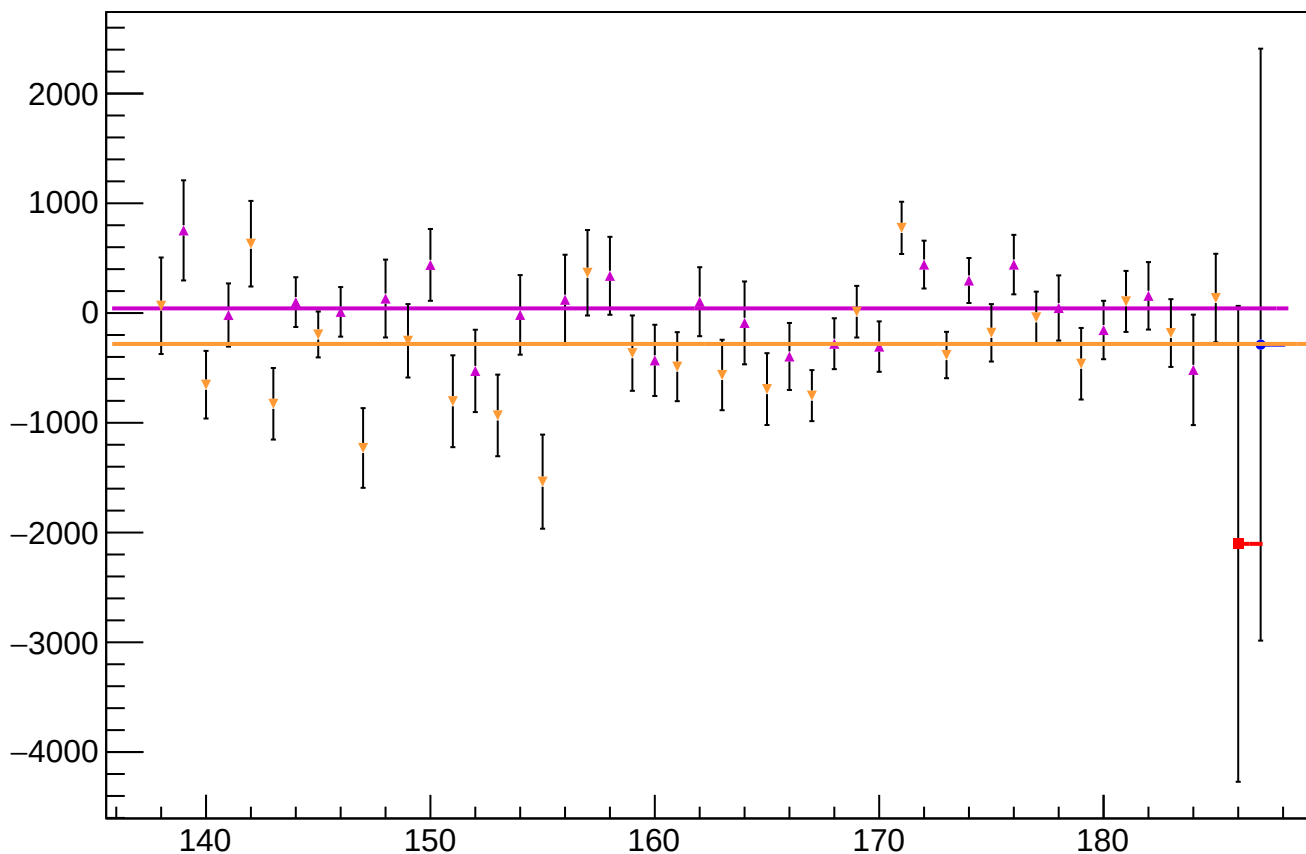
Right: 208.406 $\pm$ 0.279 χ^2 /NDF: 482867.5/1

In: 66.156 $\pm$ 0.011 χ^2 /NDF:965113.4/23

Out: 64.771 $\pm$ 0.011 χ^2 /NDF:1799313.8/25

All: 65.438 $\pm$ 0.008 χ^2 /NDF: 2772085.1/49

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -287.925+/-2696.737 χ^2/NDF : 0.0/0

Left Out: -281.407+/-59.534 χ^2/NDF :66.5/24

Right Out: -2102.942+/-2168.031 χ^2/NDF : 0.0/0

Left In: 42.368+/-60.284 χ^2/NDF :24.7/22

Left: -121.547+/-42.360 χ^2/NDF : 105.8/47

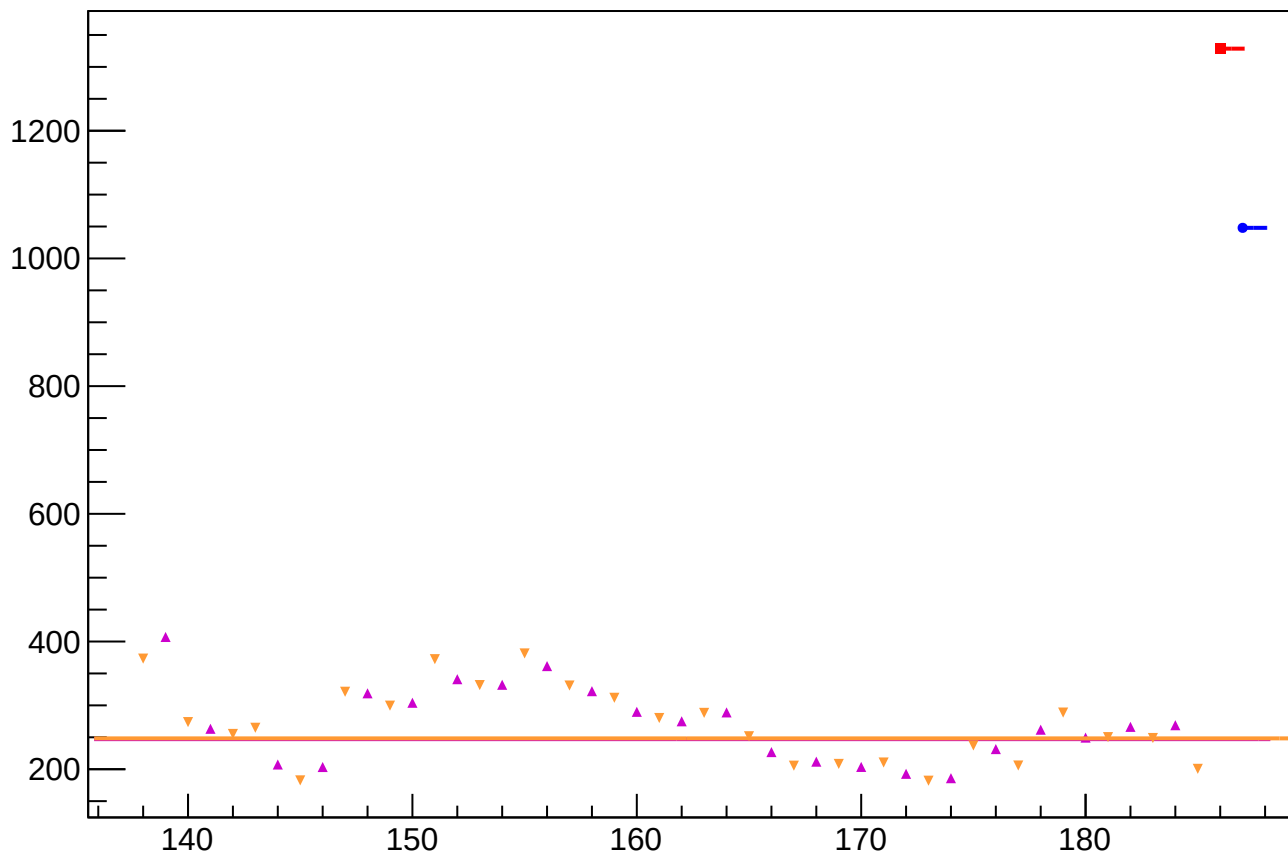
Right: -1390.388+/-1689.691 χ^2/NDF : 0.3/1

In: 42.203+/-60.269 χ^2/NDF :24.7/23

Out: -282.779+/-59.511 χ^2/NDF :67.2/25

All: -122.344+/-42.346 χ^2/NDF : 106.6/49

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 1047.925+/-1.907 χ^2/NDF : 0.0/0

Left Out: 248.297+/-0.042 χ^2/NDF :1687698.9/24

Right Out: 1328.590+/-1.533 χ^2/NDF : 0.0/0

Left In: 247.105+/-0.043 χ^2/NDF :1539330.1/22

Left: 247.709+/-0.030 χ^2/NDF : 3227424.3/47

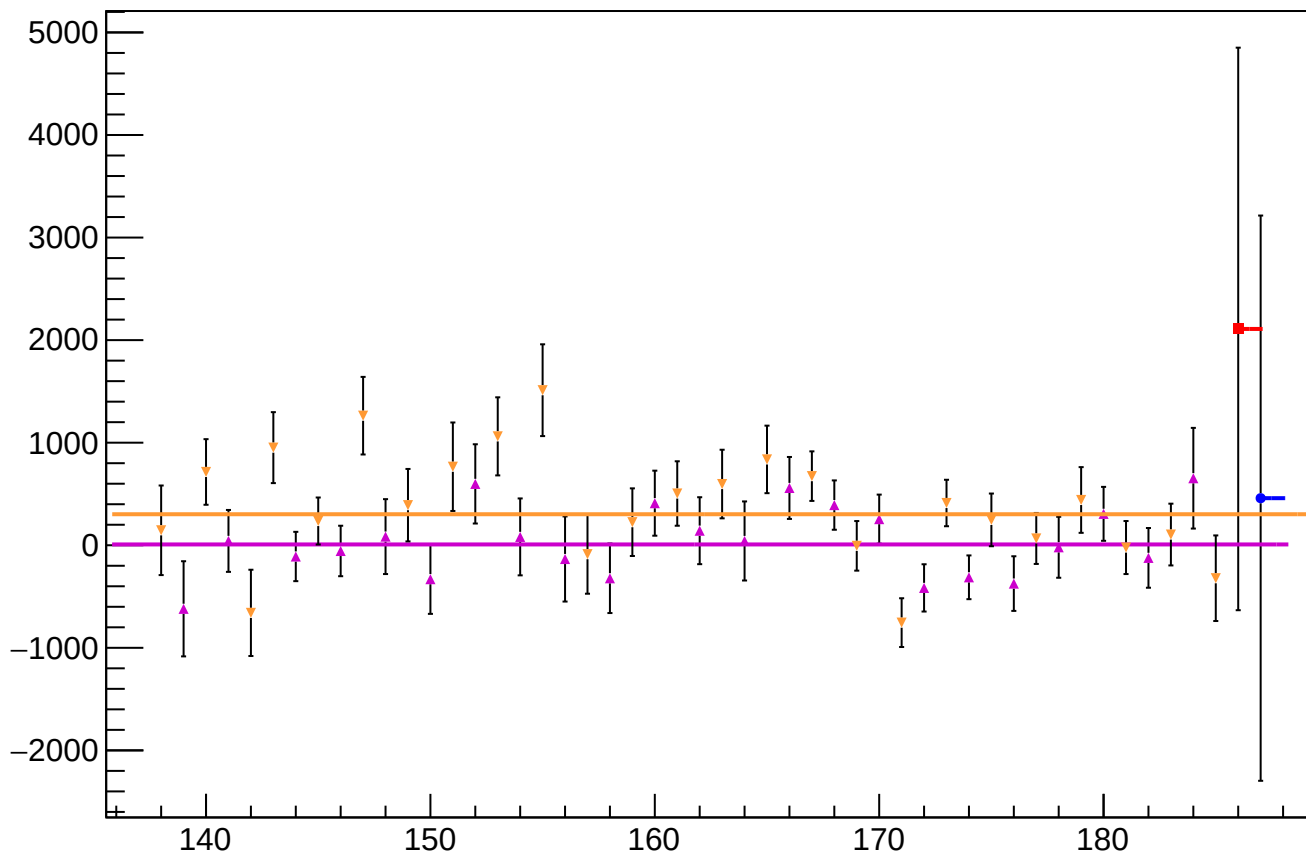
Right: 1218.404+/-1.195 χ^2/NDF : 13158.8/1

In: 247.505+/-0.043 χ^2/NDF :1715610.7/23

Out: 249.111+/-0.042 χ^2/NDF :2183897.2/25

All: 248.318+/-0.030 χ^2/NDF : 3900226.3/49

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 459.027 $\pm$ 2755.597 χ^2 /NDF: 0.0/0

Left Out: 302.420 $\pm$ 60.991 χ^2 /NDF:63.8/24

Right Out: 2109.016 $\pm$ 2742.402 χ^2 /NDF: 0.0/0

Left In: 7.915 $\pm$ 61.726 χ^2 /NDF:26.3/22

Left: 156.931 $\pm$ 43.384 χ^2 /NDF: 101.6/47

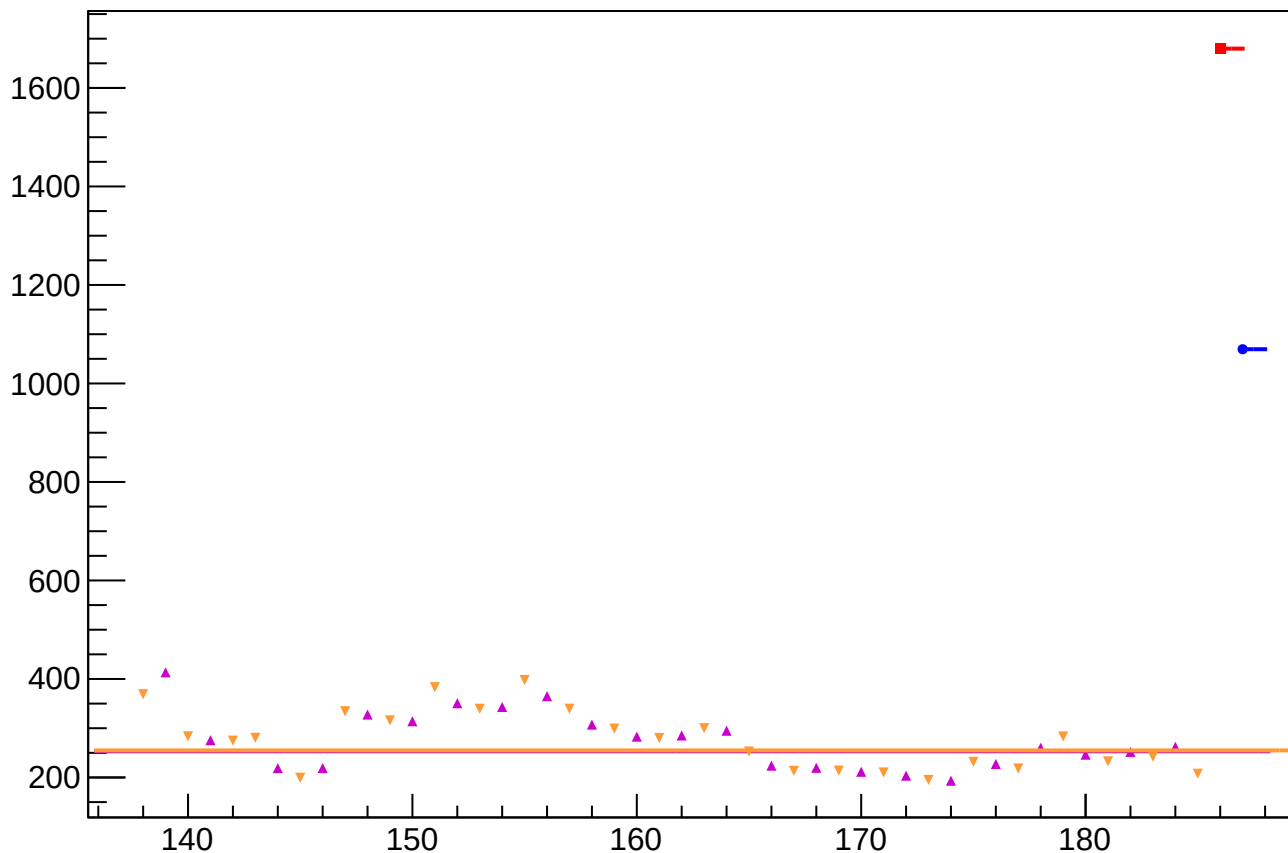
Right: 1287.981 $\pm$ 1943.819 χ^2 /NDF: 0.2/1

In: 8.141 $\pm$ 61.710 χ^2 /NDF:26.3/23

Out: 303.313 $\pm$ 60.976 χ^2 /NDF:64.3/25

All: 157.494 $\pm$ 43.374 χ^2 /NDF: 102.2/49

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 1069.513 $\pm$ 1.949 χ^2 /NDF: 0.0/0

Left Out: 254.937 $\pm$ 0.043 χ^2 /NDF:1541708.7/24

Right Out: 1679.837 $\pm$ 1.939 χ^2 /NDF: 0.0/0

Left In: 253.170 $\pm$ 0.044 χ^2 /NDF:1366527.6/22

Left: 254.064 $\pm$ 0.031 χ^2 /NDF: 2909065.8/47

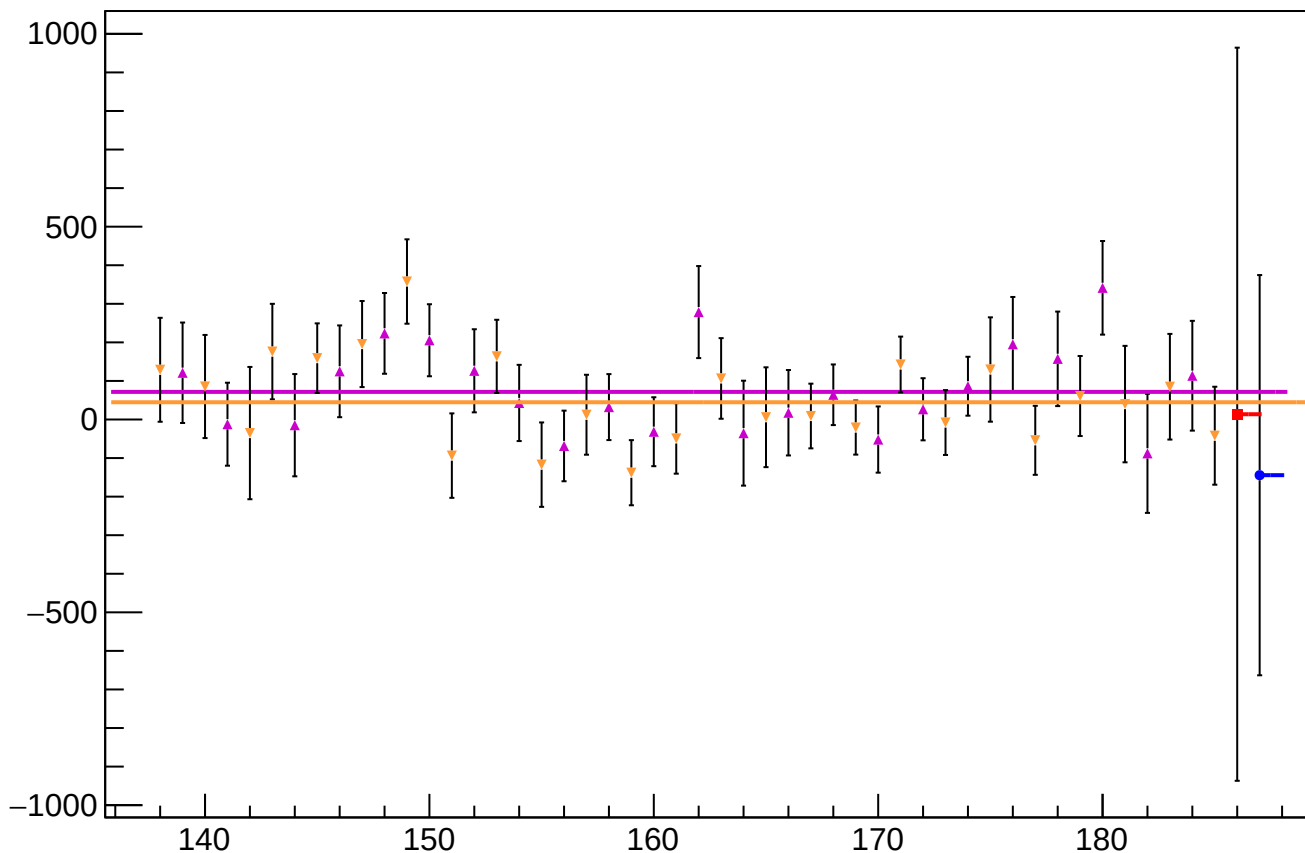
Right: 1376.140 $\pm$ 1.374 χ^2 /NDF: 49291.1/1

In: 253.580 $\pm$ 0.044 χ^2 /NDF:1541966.5/23

Out: 255.642 $\pm$ 0.043 χ^2 /NDF:2081370.4/25

All: 254.623 $\pm$ 0.031 χ^2 /NDF: 3624467.1/49

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: -144.367 $\pm$ 518.899 χ^2 /NDF: 0.0/0

Left Out: 44.746 $\pm$ 20.460 χ^2 /NDF:30.5/24

Right Out: 13.660 $\pm$ 950.509 χ^2 /NDF: 0.0/0

Left In: 71.620 $\pm$ 21.469 χ^2 /NDF:23.7/22

Left: 57.537 $\pm$ 14.811 χ^2 /NDF: 55.0/47

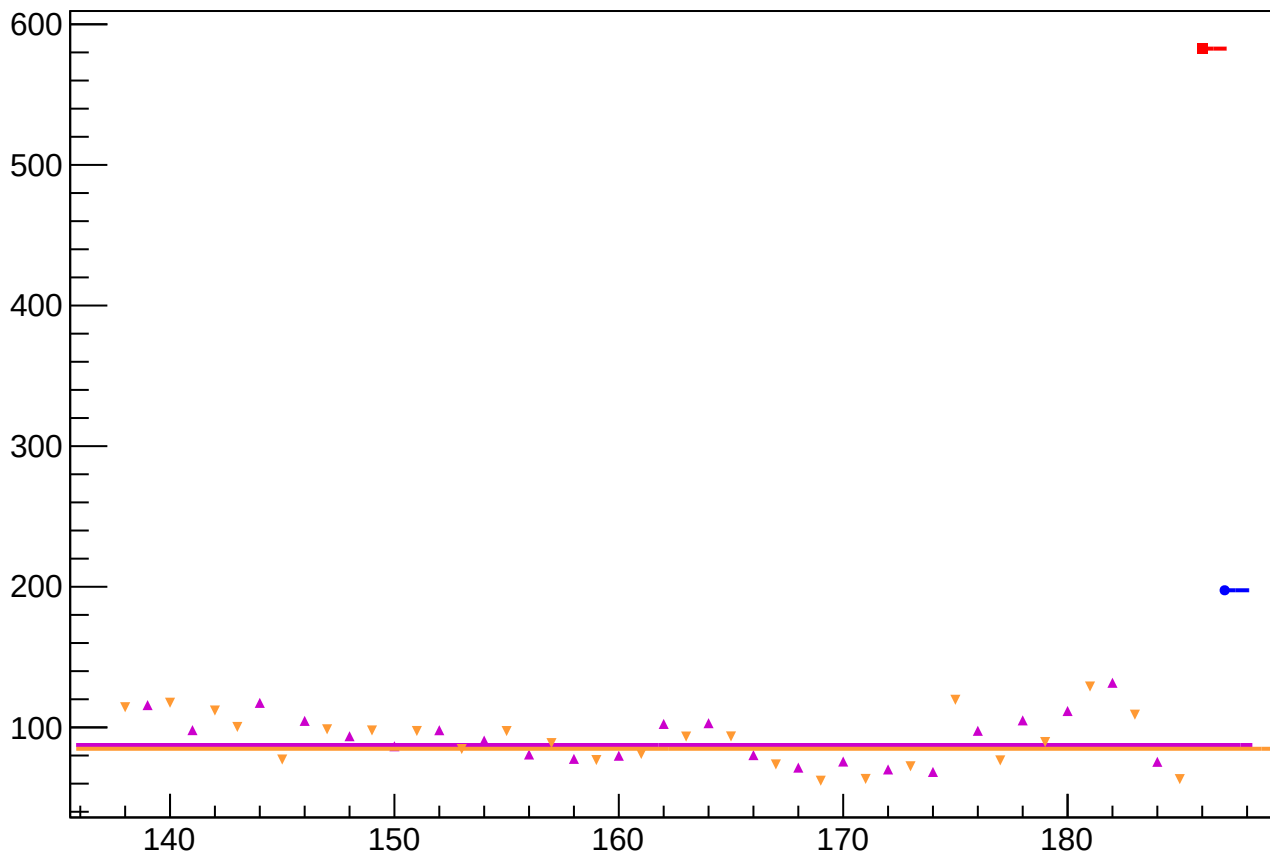
Right: -108.084 $\pm$ 455.450 χ^2 /NDF: 0.0/1

In: 71.251 $\pm$ 21.450 χ^2 /NDF:23.8/23

Out: 44.732 $\pm$ 20.455 χ^2 /NDF:30.6/25

All: 57.362 $\pm$ 14.803 χ^2 /NDF: 55.2/49

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 197.508 $\pm$ 0.367 χ^2 /NDF: 0.0/0

Left Out: 84.793 $\pm$ 0.014 χ^2 /NDF:1382881.3/24

Right Out: 582.703 $\pm$ 0.672 χ^2 /NDF: 0.0/0

Left In: 87.477 $\pm$ 0.015 χ^2 /NDF:1056450.2/22

Left: 86.070 $\pm$ 0.010 χ^2 /NDF: 2455720.1/47

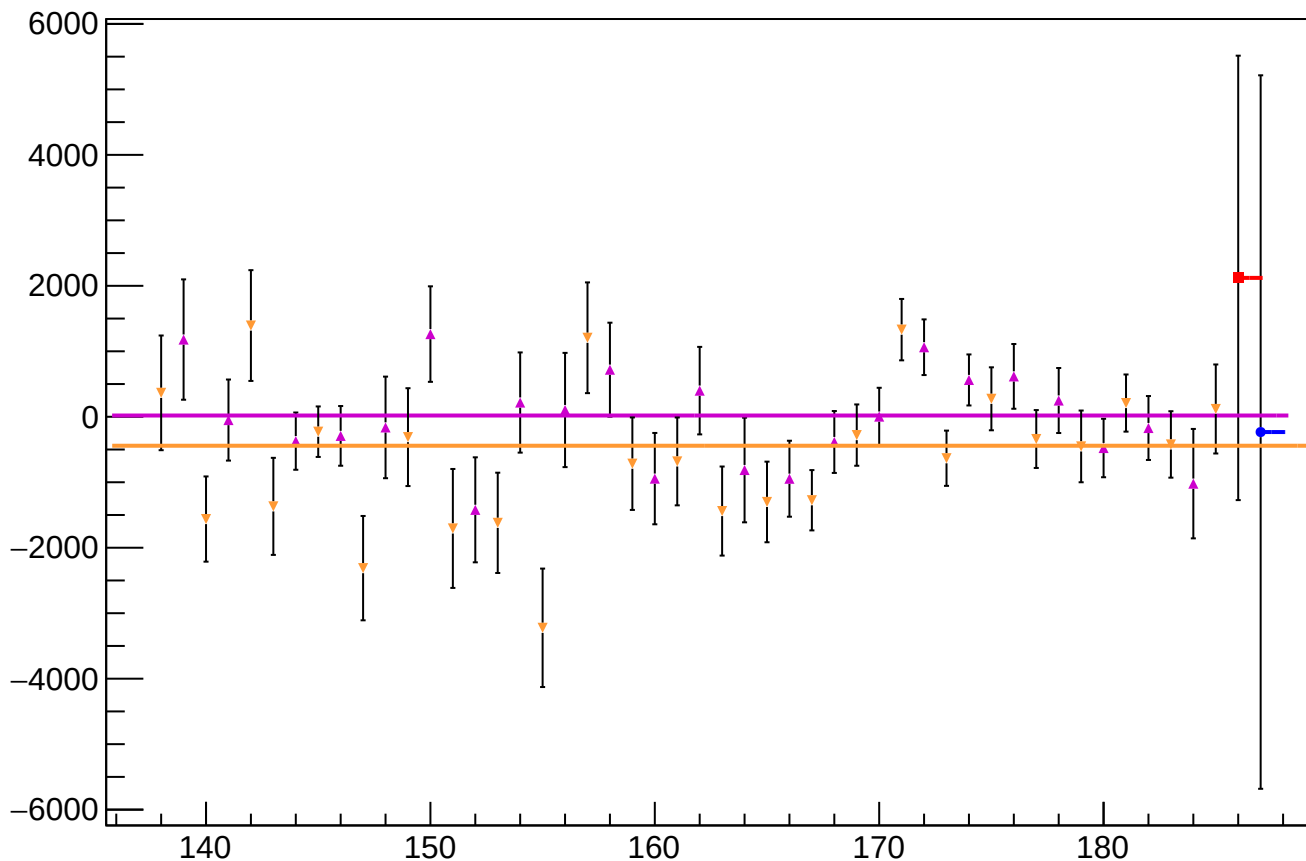
Right: 285.949 $\pm$ 0.322 χ^2 /NDF: 253043.0/1

In: 87.665 $\pm$ 0.015 χ^2 /NDF:1146224.8/23

Out: 85.023 $\pm$ 0.014 χ^2 /NDF:1931433.8/25

All: 86.282 $\pm$ 0.010 χ^2 /NDF: 3093549.5/49

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: -233.311+/-5448.451 χ^2/NDF : 0.0/0

Left Out: -442.284+/-115.425 χ^2/NDF :60.9/24

Right Out: 2121.147+/-3393.869 χ^2/NDF : 0.0/0

Left In: 19.322+/-116.820 χ^2/NDF :29.5/22

Left: -214.255+/-82.107 χ^2/NDF : 98.3/47

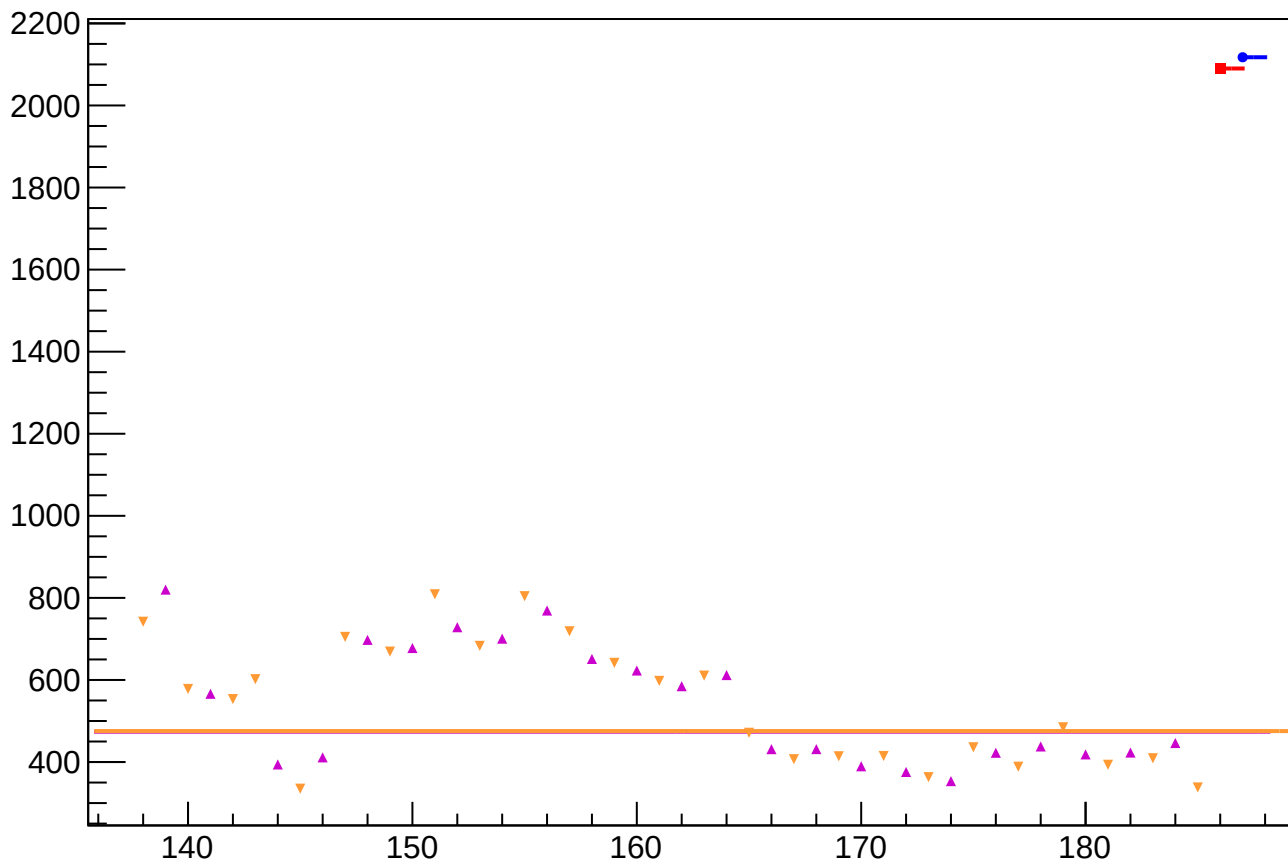
Right: 1462.971+/-2880.704 χ^2/NDF : 0.1/1

In: 19.206+/-116.794 χ^2/NDF :29.5/23

Out: -439.323+/-115.358 χ^2/NDF :61.5/25

All: -212.894+/-82.073 χ^2/NDF : 98.8/49

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 2117.477+/-3.853 χ^2/NDF : 0.0/0

Left Out: 475.415+/-0.082 χ^2/NDF : 2509706.1/24

Right Out: 2090.085+/-2.400 χ^2/NDF : 0.0/0

Left In: 473.947+/-0.083 χ^2/NDF : 2174476.6/22

Left: 474.690+/-0.058 χ^2/NDF : 4684342.6/47

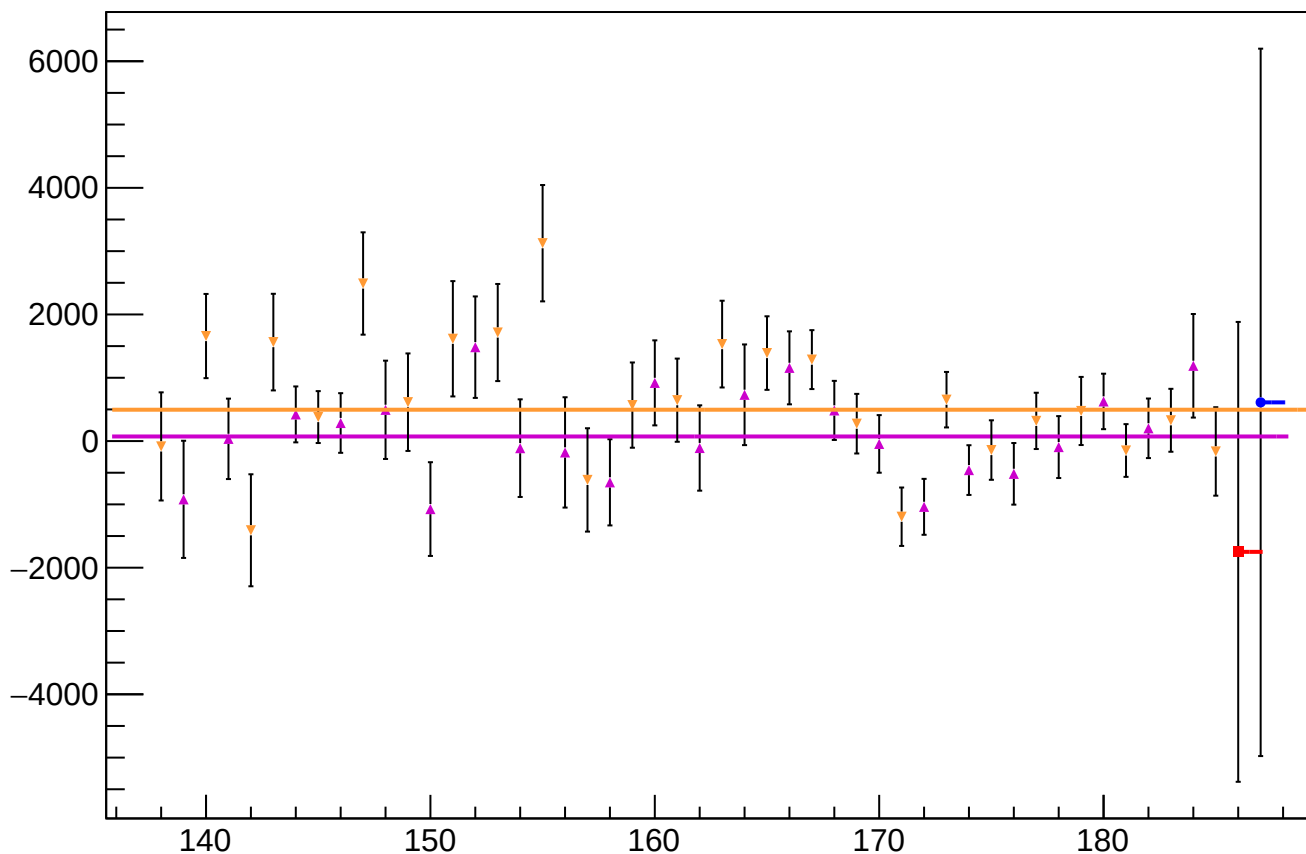
Right: 2097.742+/-2.037 χ^2/NDF : 36.4/1

In: 474.702+/-0.083 χ^2/NDF : 2356379.5/23

Out: 477.281+/-0.082 χ^2/NDF : 2961879.7/25

All: 476.007+/-0.058 χ^2/NDF : 5318752.9/49

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 611.320+/-5587.050 χ^2/NDF : 0.0/0

Left Out: 495.259+/-115.521 χ^2/NDF : 57.2/24

Right Out: -1750.016+/-3632.106 χ^2/NDF : 0.0/0

Left In: 72.627+/-116.927 χ^2/NDF : 29.1/22

Left: 286.499+/-82.178 χ^2/NDF : 92.8/47

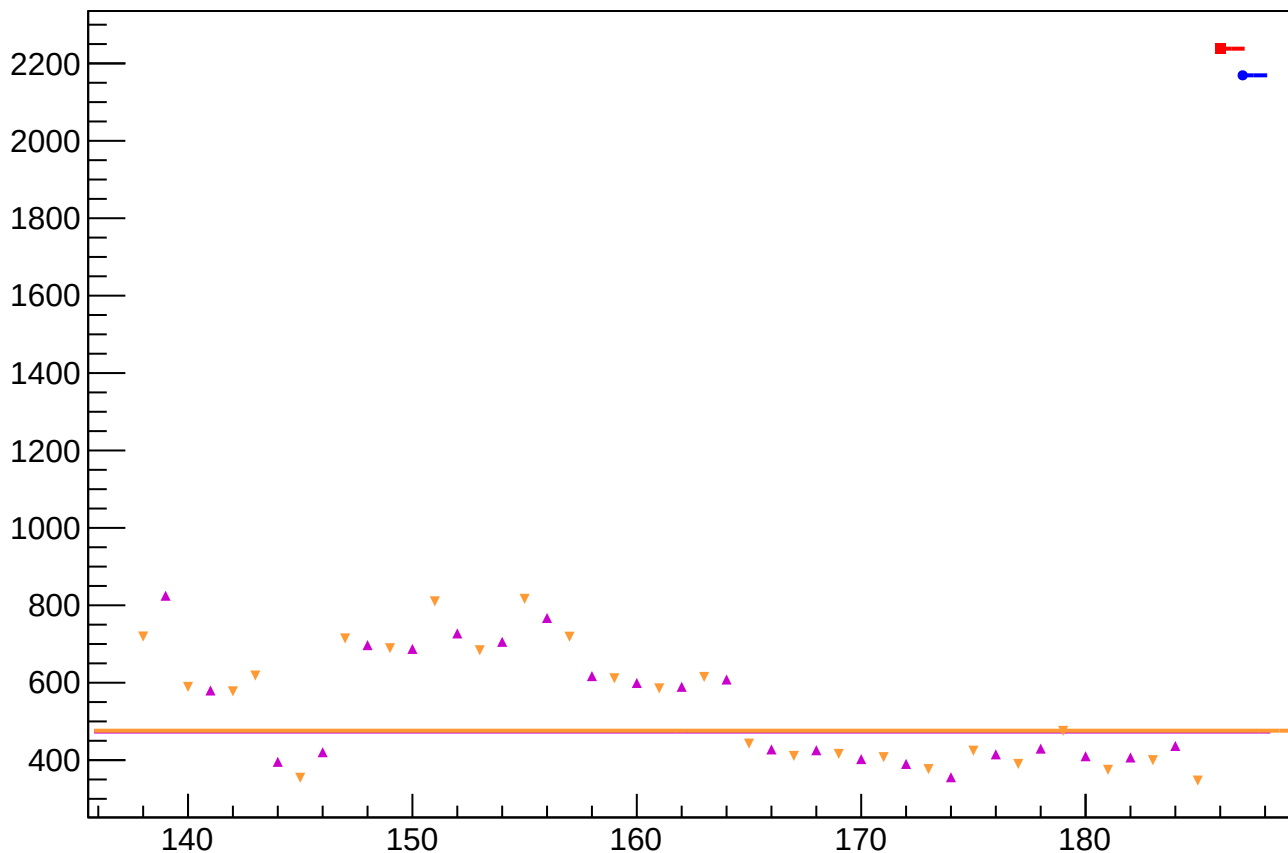
Right: -1048.528+/-3045.186 χ^2/NDF : 0.1/1

In: 72.863+/-116.902 χ^2/NDF : 29.1/23

Out: 492.990+/-115.463 χ^2/NDF : 57.6/25

All: 285.528+/-82.149 χ^2/NDF : 93.2/49

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 2169.209+/-3.951 χ^2/NDF : 0.0/0

Left Out: 476.057+/-0.082 χ^2/NDF :2461838.6/24

Right Out: 2238.098+/-2.568 χ^2/NDF : 0.0/0

Left In: 473.824+/-0.083 χ^2/NDF :2113753.1/22

Left: 474.954+/-0.058 χ^2/NDF : 4575960.9/47

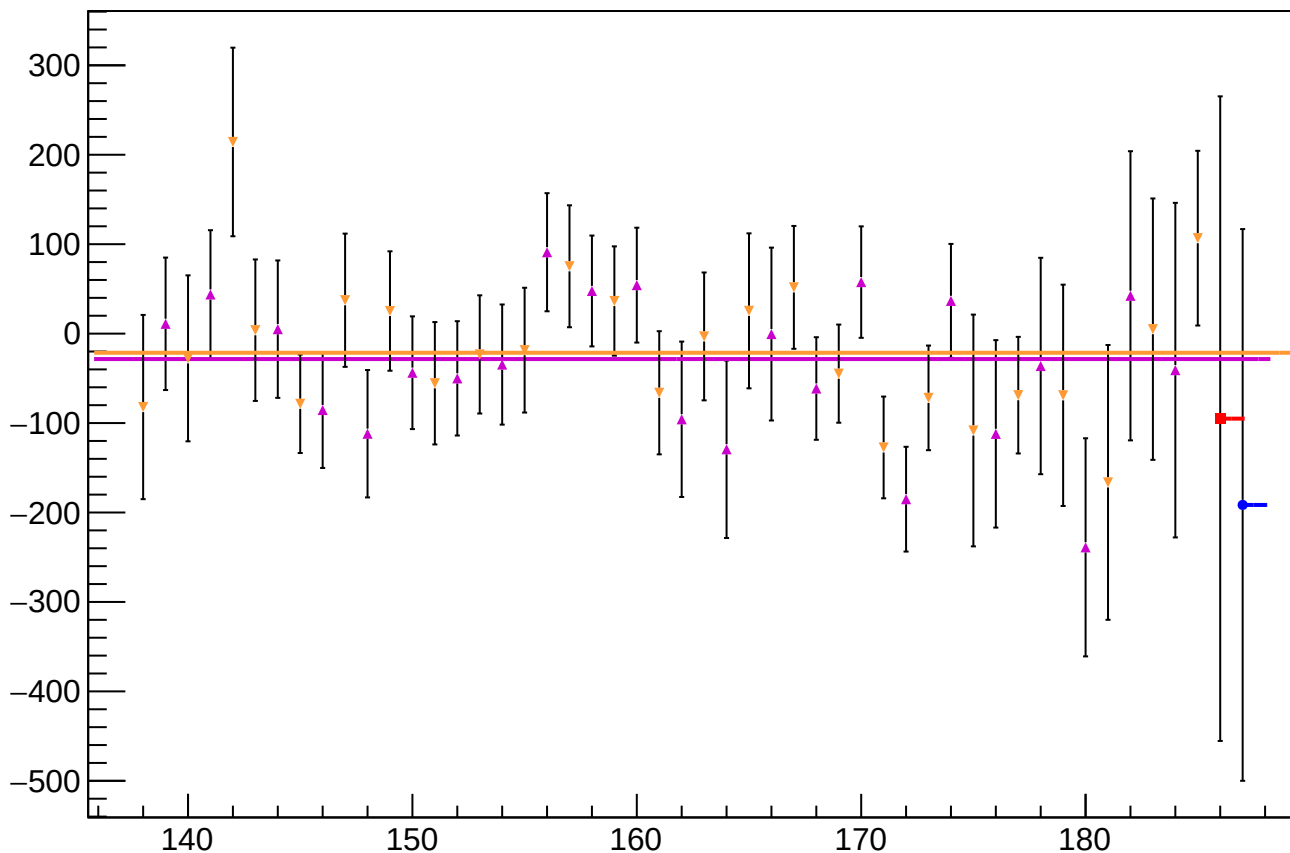
Right: 2217.633+/-2.153 χ^2/NDF : 213.7/1

In: 474.566+/-0.083 χ^2/NDF :2297835.2/23

Out: 477.837+/-0.082 χ^2/NDF :2932064.0/25

All: 476.222+/-0.058 χ^2/NDF : 5230692.1/49

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -191.542 $\pm$ 308.432 χ^2 /NDF: 0.0/0

Left Out: -21.397 $\pm$ 14.800 χ^2 /NDF:20.9/24

Right Out: -95.055 $\pm$ 360.357 χ^2 /NDF: 0.0/0

Left In: -28.435 $\pm$ 15.494 χ^2 /NDF:26.2/22

Left: -24.755 $\pm$ 10.702 χ^2 /NDF: 47.2/47

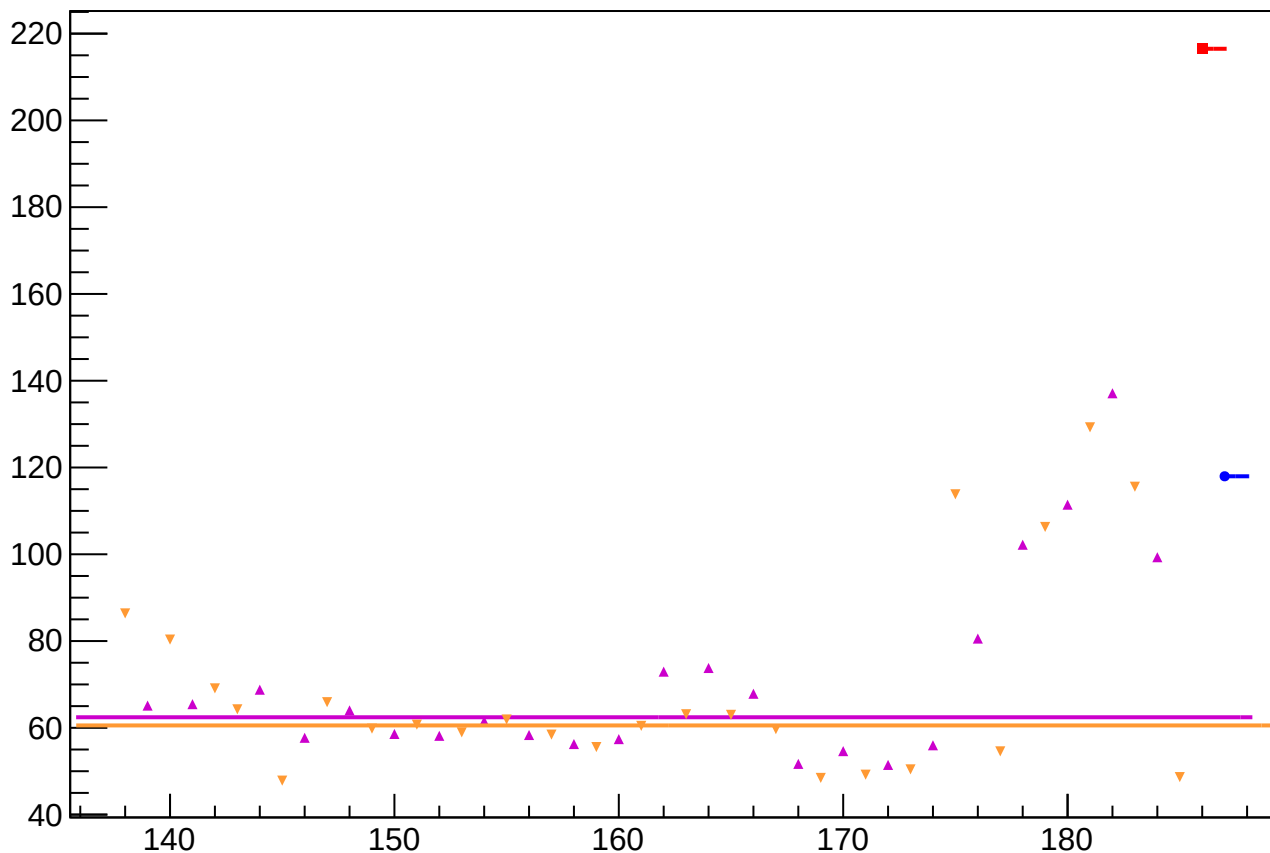
Right: -150.745 $\pm$ 234.322 χ^2 /NDF: 0.0/1

In: -28.845 $\pm$ 15.474 χ^2 /NDF:26.5/23

Out: -21.521 $\pm$ 14.787 χ^2 /NDF:20.9/25

All: -25.017 $\pm$ 10.691 χ^2 /NDF: 47.5/49

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 117.975 $\pm$ 0.218 χ^2 /NDF: 0.0/0

Left Out: 60.551 $\pm$ 0.010 χ^2 /NDF:1951663.1/24

Right Out: 216.507 $\pm$ 0.255 χ^2 /NDF: 0.0/0

Left In: 62.435 $\pm$ 0.011 χ^2 /NDF:1445748.2/22

Left: 61.450 $\pm$ 0.008 χ^2 /NDF: 3412871.1/47

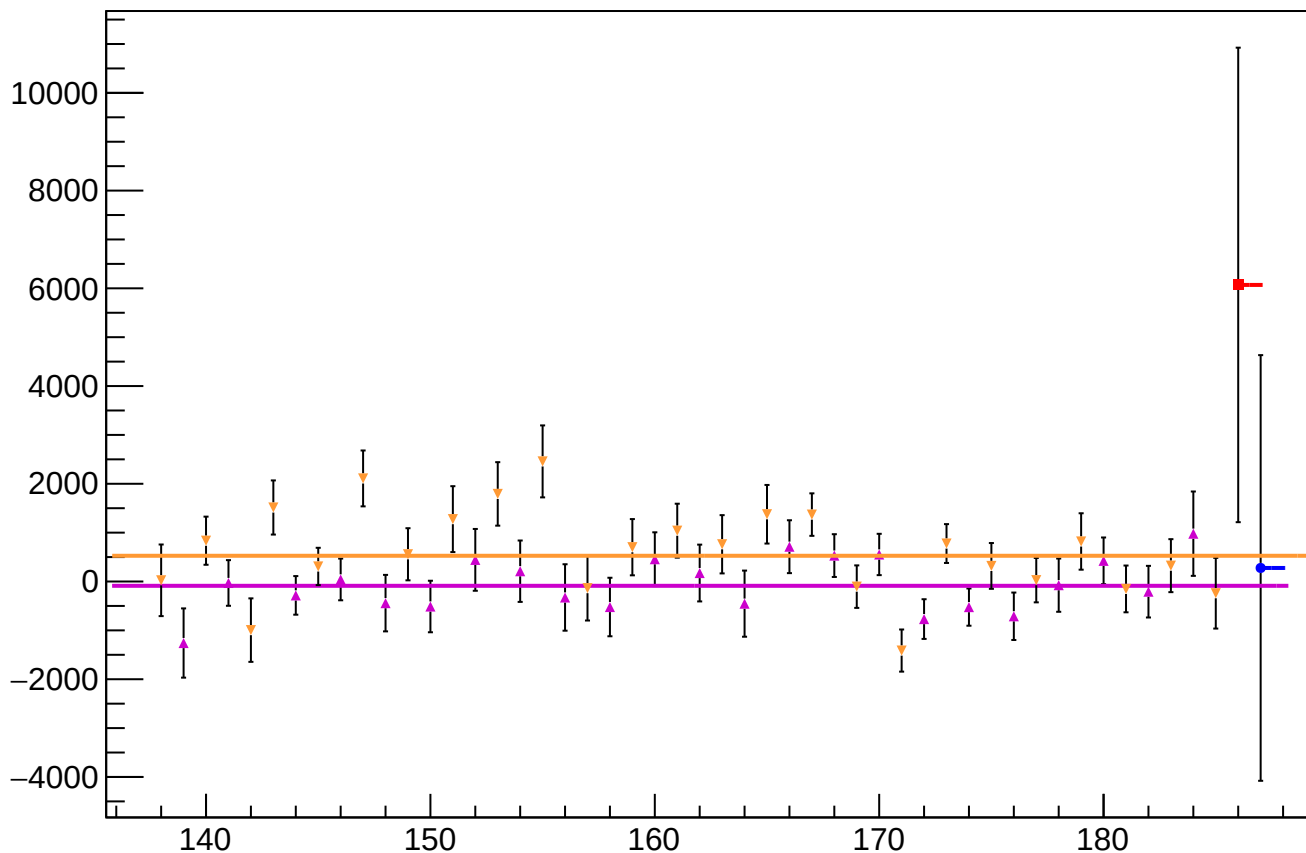
Right: 159.637 $\pm$ 0.166 χ^2 /NDF: 86303.1/1

In: 62.574 $\pm$ 0.011 χ^2 /NDF:1510439.2/23

Out: 60.813 $\pm$ 0.010 χ^2 /NDF:2325635.6/25

All: 61.654 $\pm$ 0.008 χ^2 /NDF: 3849613.3/49

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 277.121+/-4355.700 χ^2/NDF : 0.0/0

Left Out: 526.705+/-105.414 χ^2/NDF : 65.0/24

Right Out: 6069.458+/-4855.529 χ^2/NDF : 0.0/0

Left In: -87.989+/-106.843 χ^2/NDF : 22.1/22

Left: 223.494+/-75.039 χ^2/NDF : 103.9/47

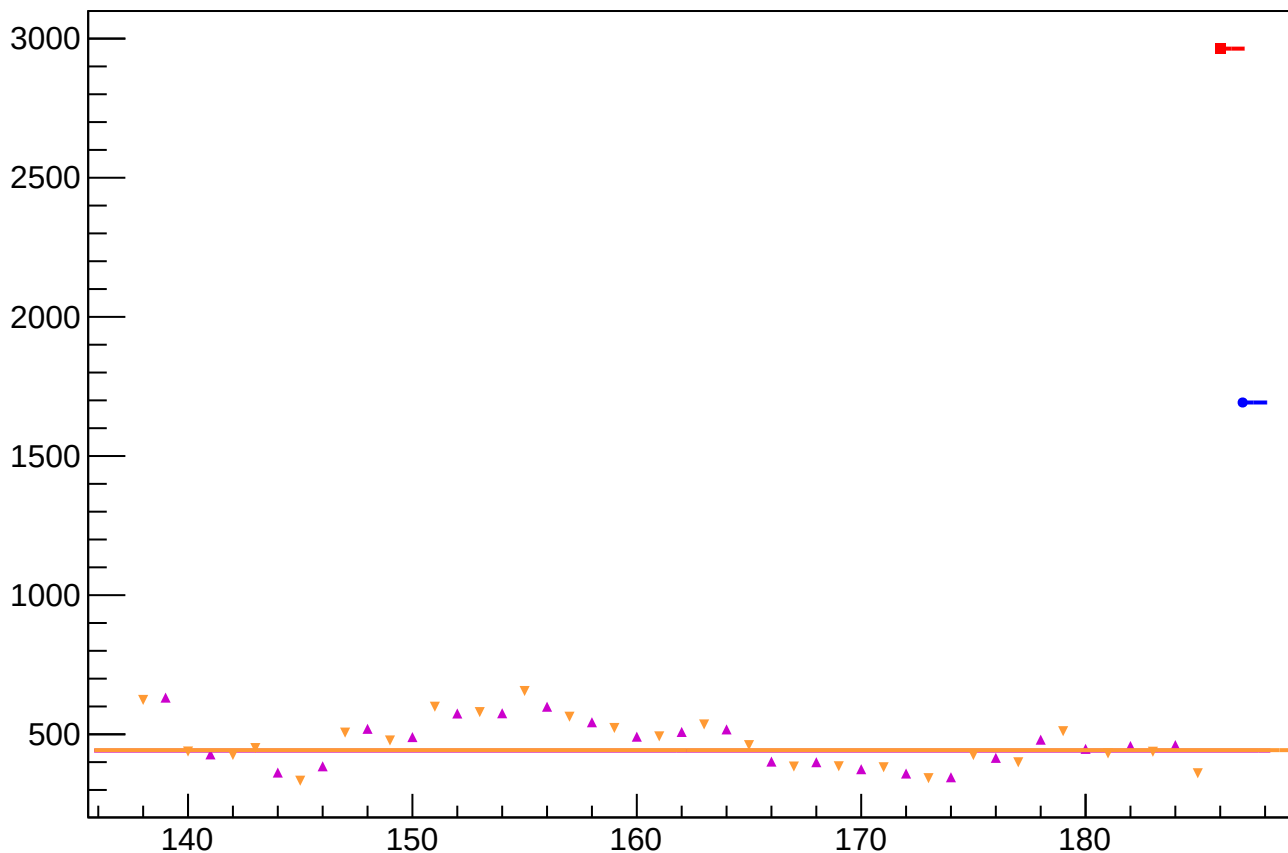
Right: 2859.902+/-3242.302 χ^2/NDF : 0.8/1

In: -87.770+/-106.811 χ^2/NDF : 22.1/23

Out: 529.317+/-105.390 χ^2/NDF : 66.3/25

All: 224.906+/-75.019 χ^2/NDF : 105.4/49

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1692.346+/-3.080 χ^2/NDF : 0.0/0

Left Out: 443.031+/-0.075 χ^2/NDF :1171662.6/24

Right Out: 2963.972+/-3.433 χ^2/NDF : 0.0/0

Left In: 441.359+/-0.076 χ^2/NDF :1035839.5/22

Left: 442.206+/-0.053 χ^2/NDF : 2207750.3/47

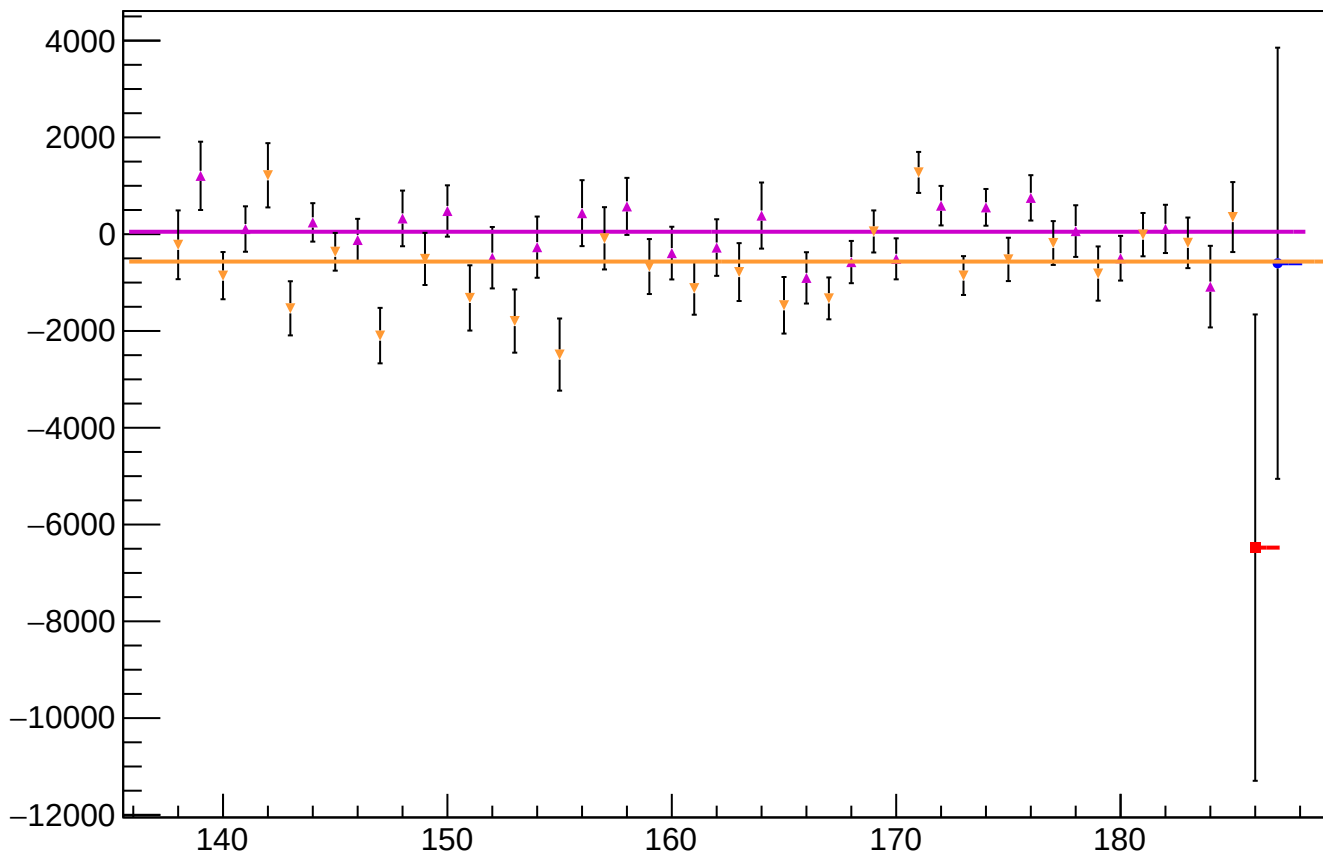
Right: 2259.359+/-2.293 χ^2/NDF : 76009.3/1

In: 442.111+/-0.076 χ^2/NDF :1200715.9/23

Out: 444.219+/-0.075 χ^2/NDF :1710524.3/25

All: 443.179+/-0.053 χ^2/NDF : 2911634.9/49

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -600.770+/-4455.156 χ^2/NDF : 0.0/0

Left Out: -565.545+/-104.460 χ^2/NDF : 62.9/24

Right Out: -6476.893+/-4818.554 χ^2/NDF : 0.0/0

Left In: 50.387+/-106.218 χ^2/NDF : 23.3/22

Left: -262.717+/-74.478 χ^2/NDF : 103.3/47

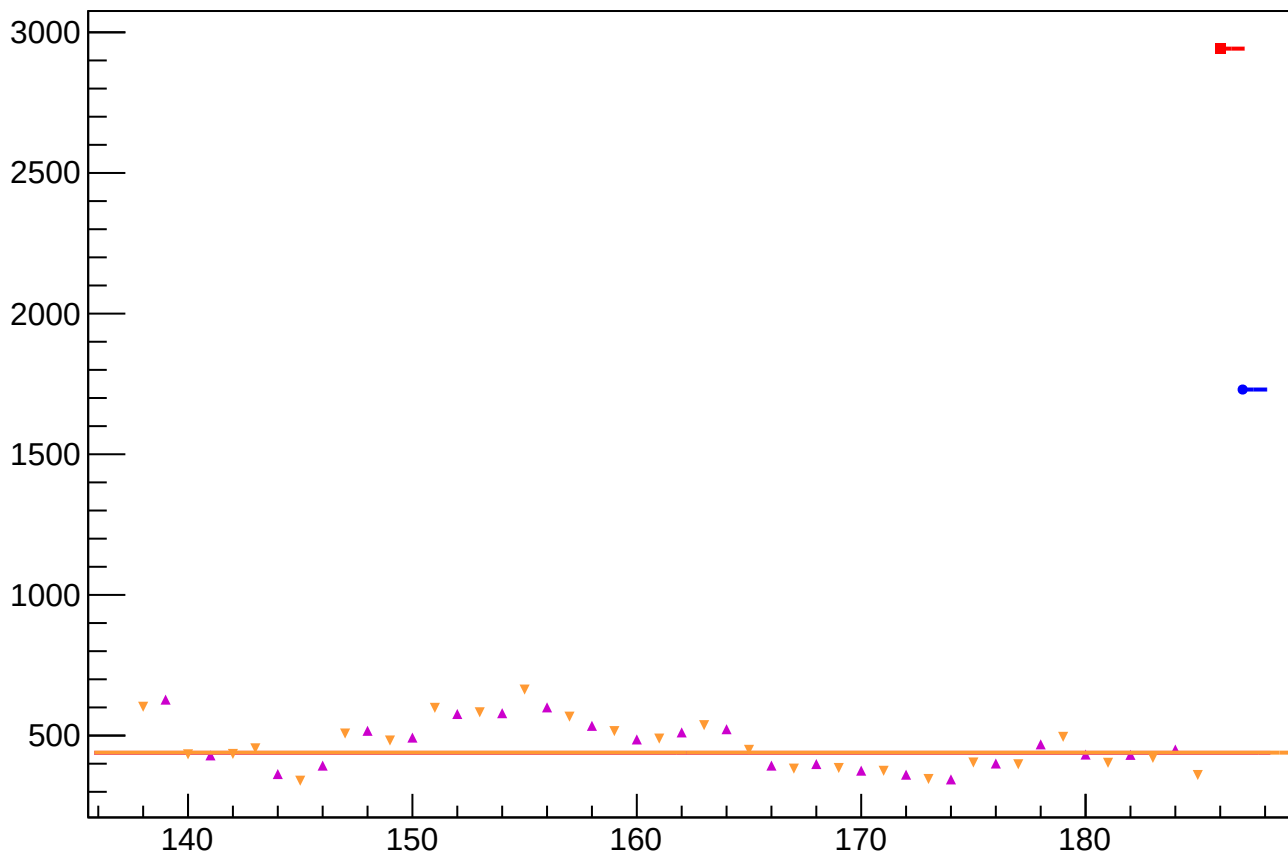
Right: -3308.924+/-3271.207 χ^2/NDF : 0.8/1

In: 50.018+/-106.188 χ^2/NDF : 23.3/23

Out: -568.321+/-104.436 χ^2/NDF : 64.4/25

All: -264.295+/-74.459 χ^2/NDF : 105.0/49

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 1730.123+/-3.150 χ^2/NDF : 0.0/0

Left Out: 439.314+/-0.074 χ^2/NDF :1164031.3/24

Right Out: 2942.010+/-3.407 χ^2/NDF : 0.0/0

Left In: 438.365+/-0.075 χ^2/NDF :1024661.1/22

Left: 438.847+/-0.053 χ^2/NDF : 2188773.6/47

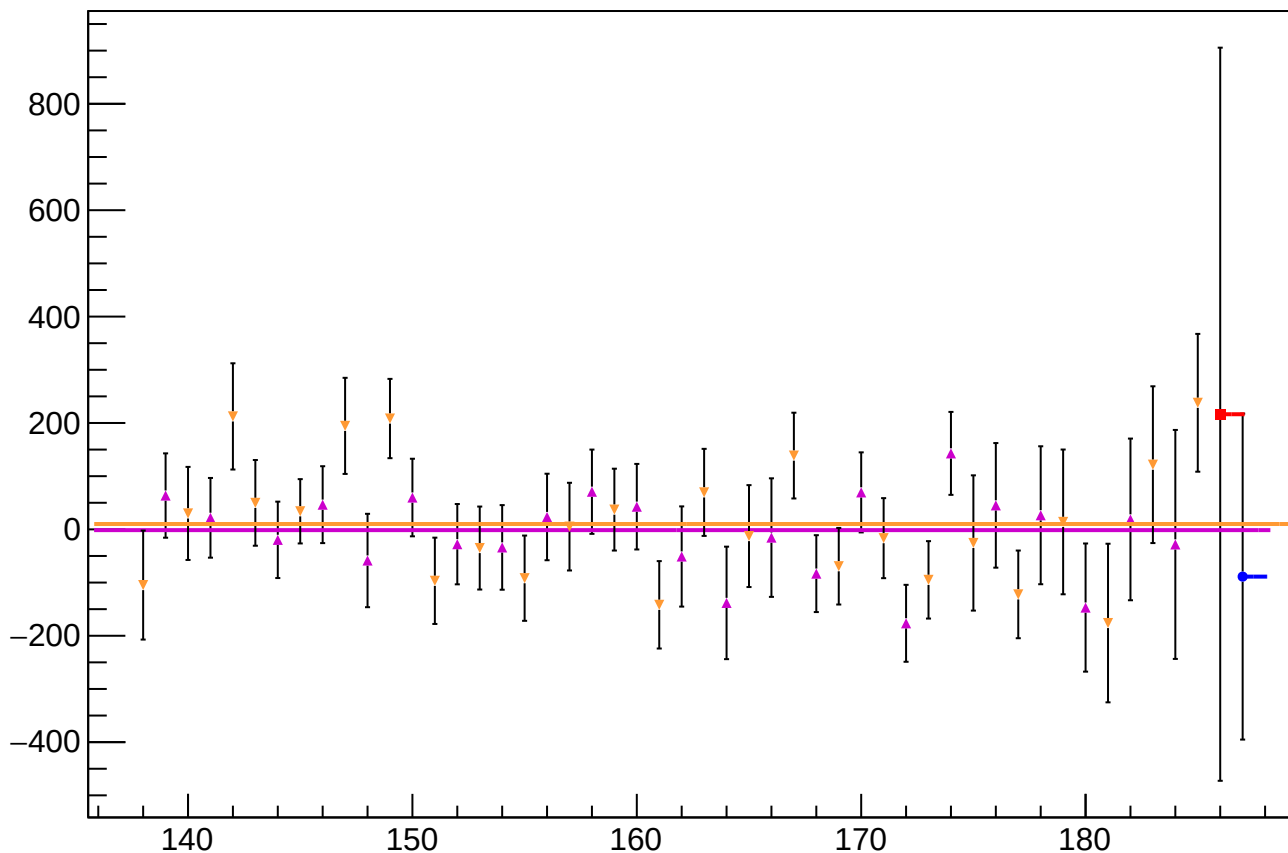
Right: 2288.650+/-2.313 χ^2/NDF : 68204.1/1

In: 439.099+/-0.075 χ^2/NDF :1192703.9/23

Out: 440.490+/-0.074 χ^2/NDF :1703304.2/25

All: 439.806+/-0.053 χ^2/NDF : 2896182.5/49

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -88.820 ± 306.352 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 10.078 ± 17.207 $\chi^2/\text{NDF}: 38.7/24$

Right Out: 216.441 ± 689.095 $\chi^2/\text{NDF}: 0.0/0$

Left In: -1.434 ± 17.926 $\chi^2/\text{NDF}: 19.0/22$

Left: 4.557 ± 12.414 $\chi^2/\text{NDF}: 58.0/47$

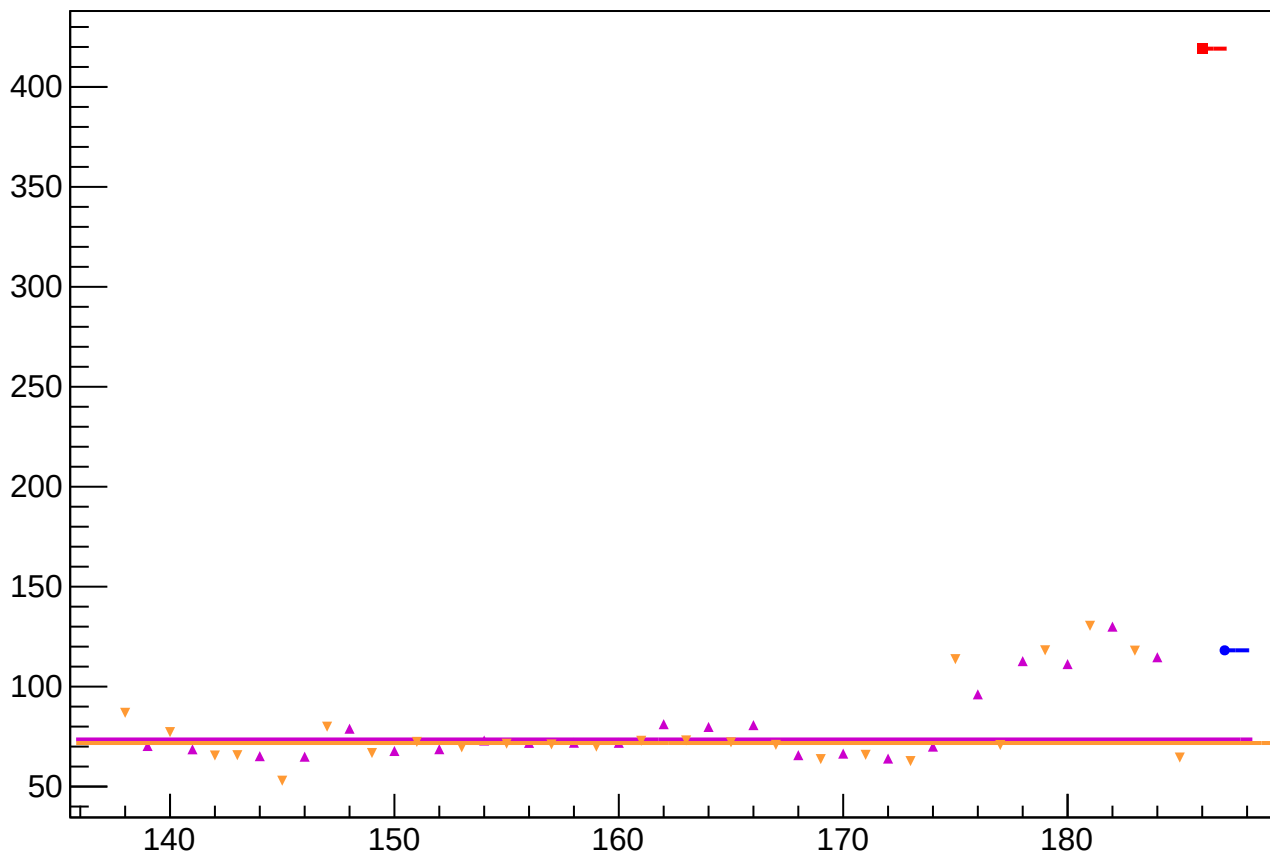
Right: -38.443 ± 279.935 $\chi^2/\text{NDF}: 0.2/1$

In: -1.732 ± 17.895 $\chi^2/\text{NDF}: 19.1/23$

Out: 10.206 ± 17.202 $\chi^2/\text{NDF}: 38.8/25$

All: 4.473 ± 12.401 $\chi^2/\text{NDF}: 58.2/49$

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 118.153 $\pm$ 0.217 χ^2 /NDF: 0.0/0

Left Out: 71.785 $\pm$ 0.012 χ^2 /NDF:1325726.8/24

Right Out: 419.161 $\pm$ 0.487 χ^2 /NDF: 0.0/0

Left In: 73.558 $\pm$ 0.013 χ^2 /NDF:1009353.9/22

Left: 72.635 $\pm$ 0.009 χ^2 /NDF: 2345268.8/47

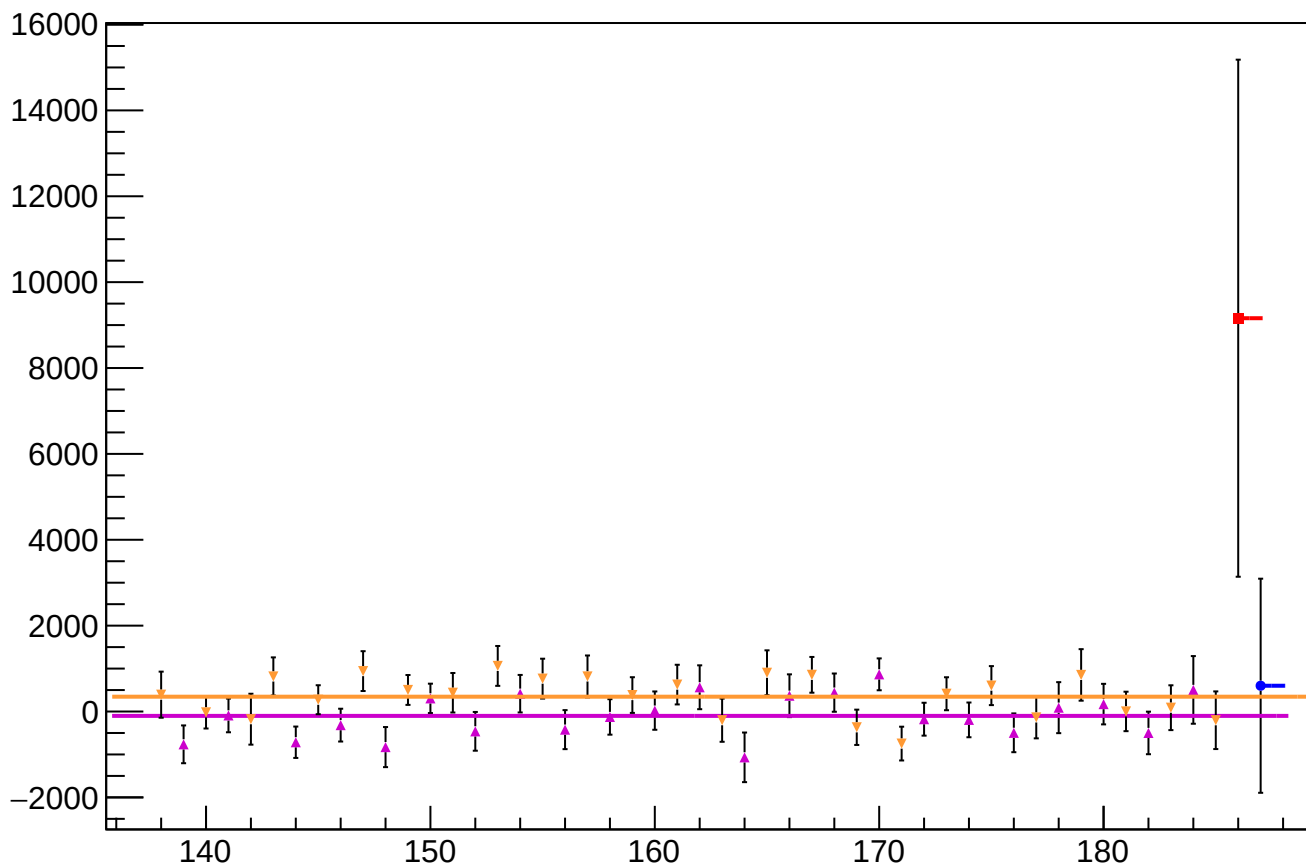
Right: 167.828 $\pm$ 0.198 χ^2 /NDF: 318640.2/1

In: 73.710 $\pm$ 0.013 χ^2 /NDF:1051588.9/23

Out: 72.001 $\pm$ 0.012 χ^2 /NDF:1833654.1/25

All: 72.822 $\pm$ 0.009 χ^2 /NDF: 2894725.5/49

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 600.290+/-2493.297 χ^2/NDF : 0.0/0

Left Out: 345.360+/-89.857 χ^2/NDF : 27.4/24

Right Out: 9160.011+/-6021.284 χ^2/NDF : 0.0/0

Left In: -101.648+/-91.670 χ^2/NDF : 28.1/22

Left: 126.320+/-64.170 χ^2/NDF : 67.5/47

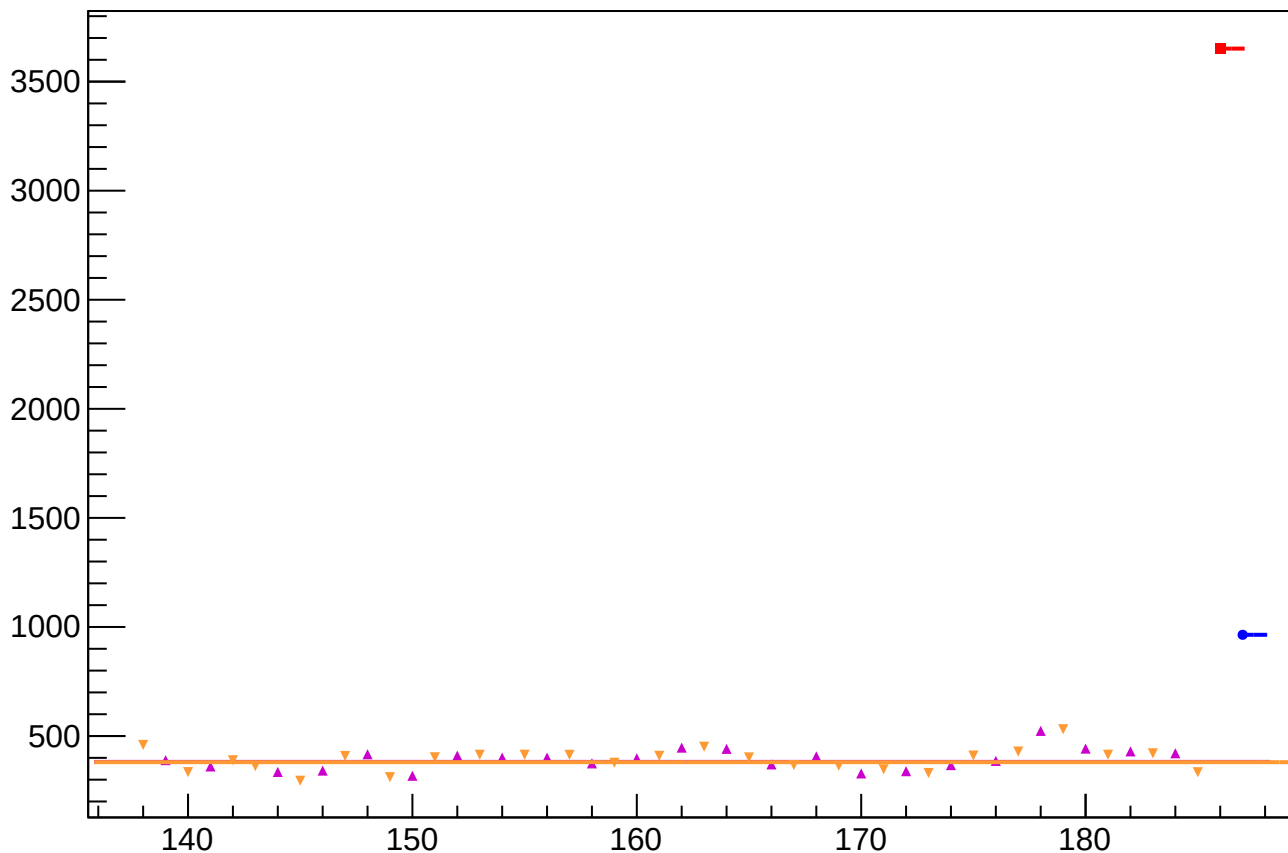
Right: 1853.145+/-2303.614 χ^2/NDF : 1.7/1

In: -100.700+/-91.608 χ^2/NDF : 28.1/23

Out: 347.323+/-89.847 χ^2/NDF : 29.5/25

All: 127.659+/-64.145 χ^2/NDF : 69.8/49

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 964.097 $\pm$ 1.763 χ^2/NDF : 0.0/0

Left Out: 380.206 $\pm$ 0.064 χ^2/NDF : 616620.6/24

Right Out: 3651.331 $\pm$ 4.258 χ^2/NDF : 0.0/0

Left In: 381.474 $\pm$ 0.065 χ^2/NDF : 461021.8/22

Left: 380.828 $\pm$ 0.045 χ^2/NDF : 1077837.5/47

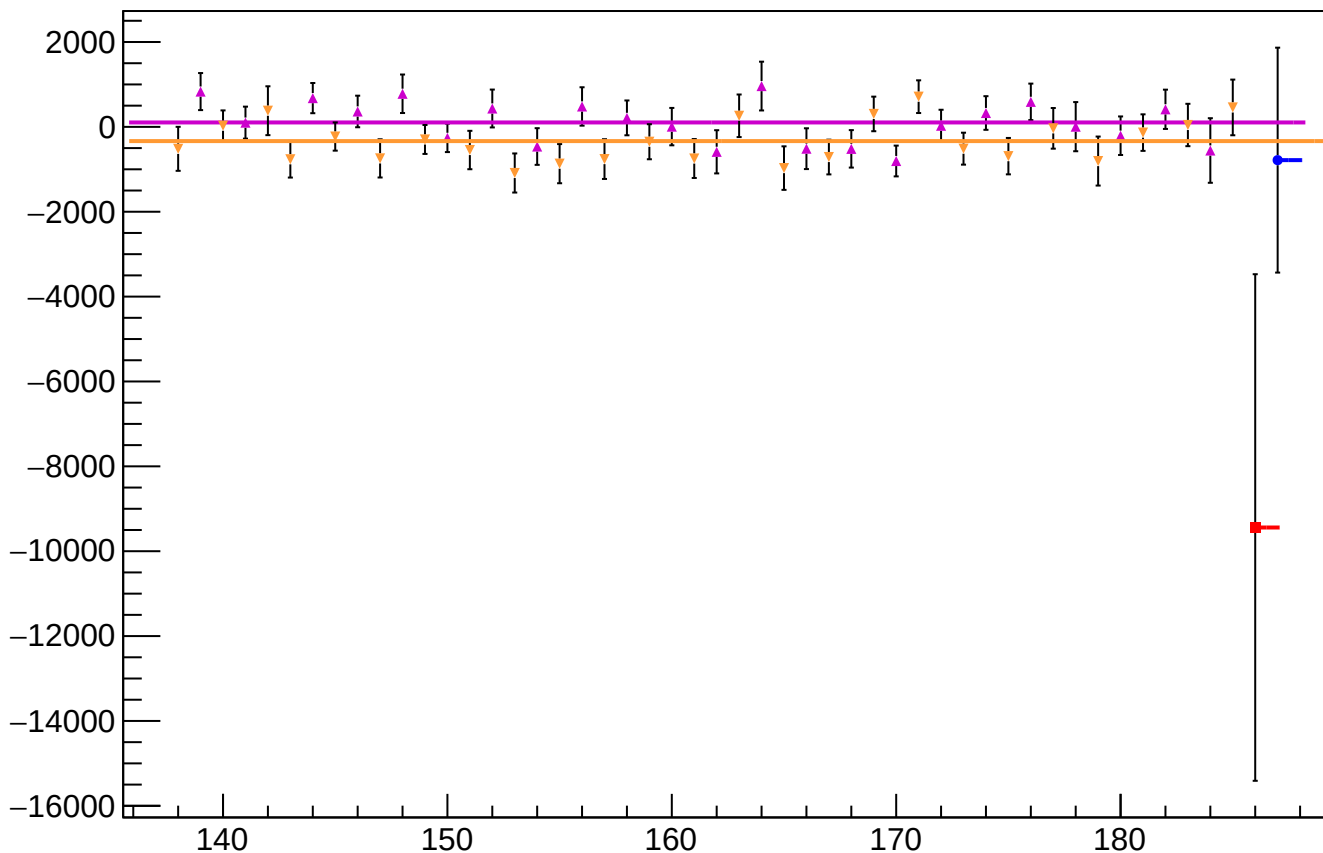
Right: 1357.417 $\pm$ 1.629 χ^2/NDF : 340043.4/1

In: 382.261 $\pm$ 0.065 χ^2/NDF : 570082.9/23

Out: 380.935 $\pm$ 0.064 χ^2/NDF : 1206752.7/25

All: 381.585 $\pm$ 0.045 χ^2/NDF : 1777049.2/49

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -783.813+/-2650.230 χ^2/NDF : 0.0/0

Left Out: -335.242+/-87.706 χ^2/NDF :28.3/24

Right Out: -9441.407+/-5969.101 χ^2/NDF : 0.0/0

Left In: 104.117+/-89.613 χ^2/NDF :29.7/22

Left: -120.287+/-62.681 χ^2/NDF : 70.2/47

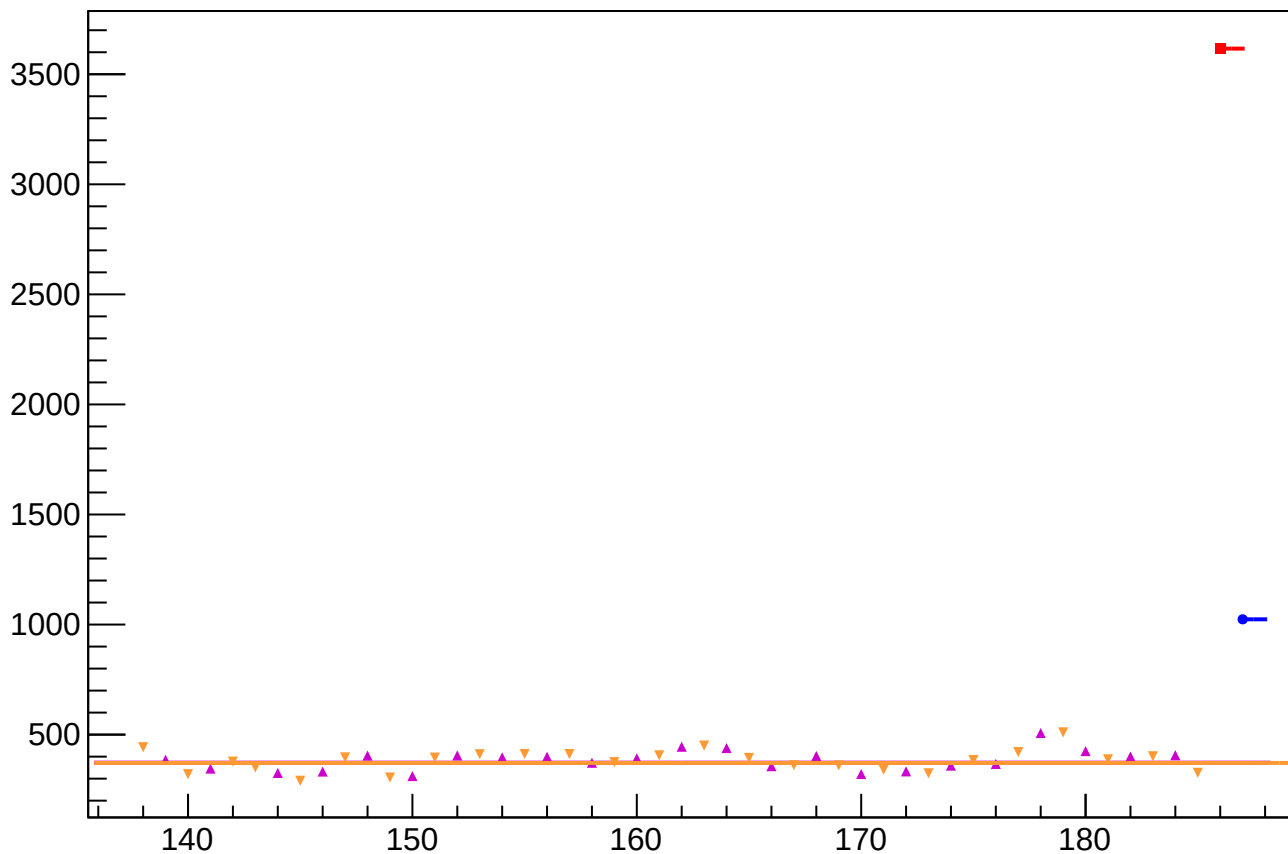
Right: -2209.440+/-2422.218 χ^2/NDF : 1.8/1

In: 103.103+/-89.562 χ^2/NDF :29.8/23

Out: -337.208+/-87.697 χ^2/NDF :30.6/25

All: -121.685+/-62.660 χ^2/NDF : 72.7/49

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 1023.828+/-1.874 χ^2/NDF : 0.0/0

Left Out: 371.375+/-0.062 χ^2/NDF : 604123.3/24

Right Out: 3616.538+/-4.221 χ^2/NDF : 0.0/0

Left In: 372.574+/-0.063 χ^2/NDF : 464397.2/22

Left: 371.962+/-0.044 χ^2/NDF : 1068703.4/47

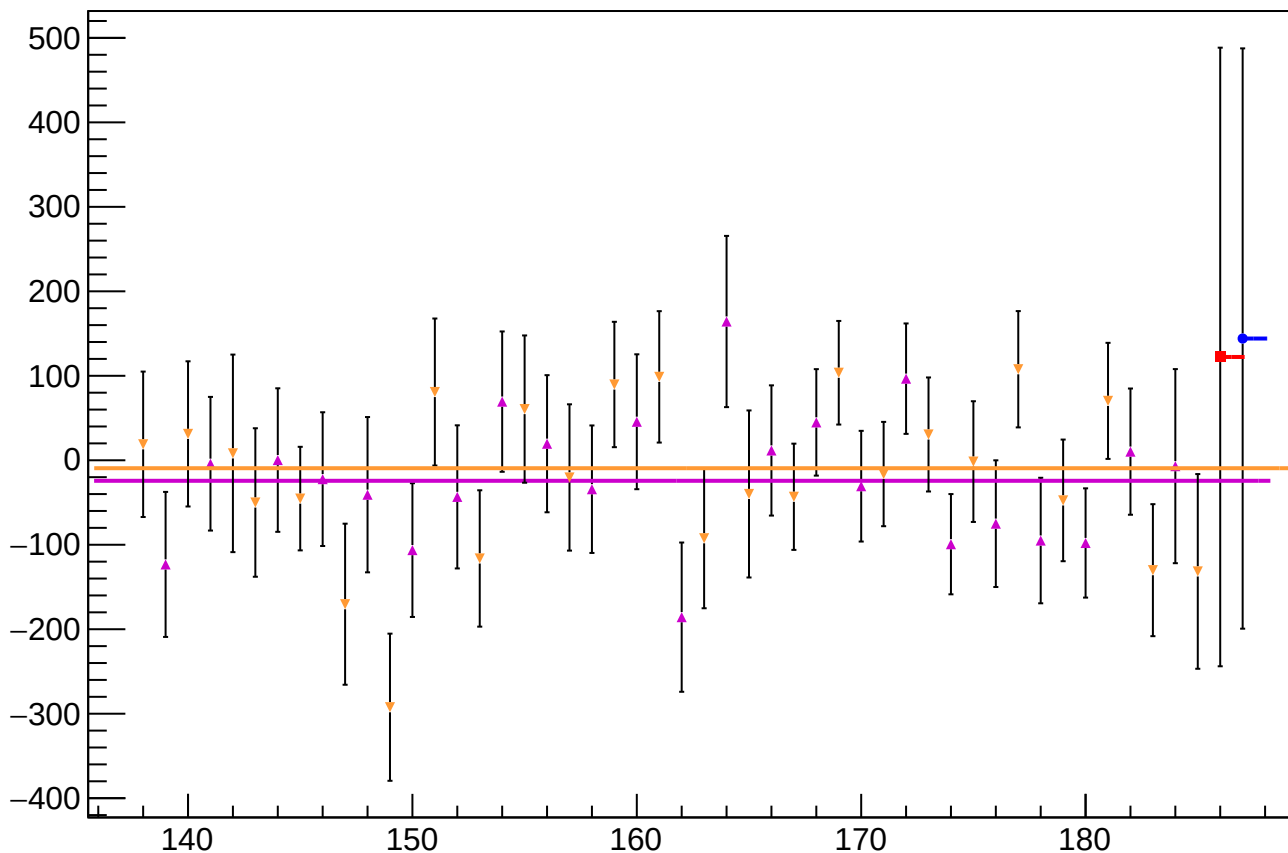
Right: 1450.764+/-1.713 χ^2/NDF : 315195.0/1

In: 373.318+/-0.063 χ^2/NDF : 585030.7/23

Out: 372.076+/-0.062 χ^2/NDF : 1195128.6/25

All: 372.684+/-0.044 χ^2/NDF : 1780355.7/49

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 144.116 $\pm$ 343.470 χ^2 /NDF: 0.0/0

Left Out: -9.398 $\pm$ 15.471 χ^2 /NDF:34.7/24

Right Out: 122.281 $\pm$ 366.138 χ^2 /NDF: 0.0/0

Left In: -24.293 $\pm$ 16.034 χ^2 /NDF:21.1/22

Left: -16.580 $\pm$ 11.133 χ^2 /NDF: 56.3/47

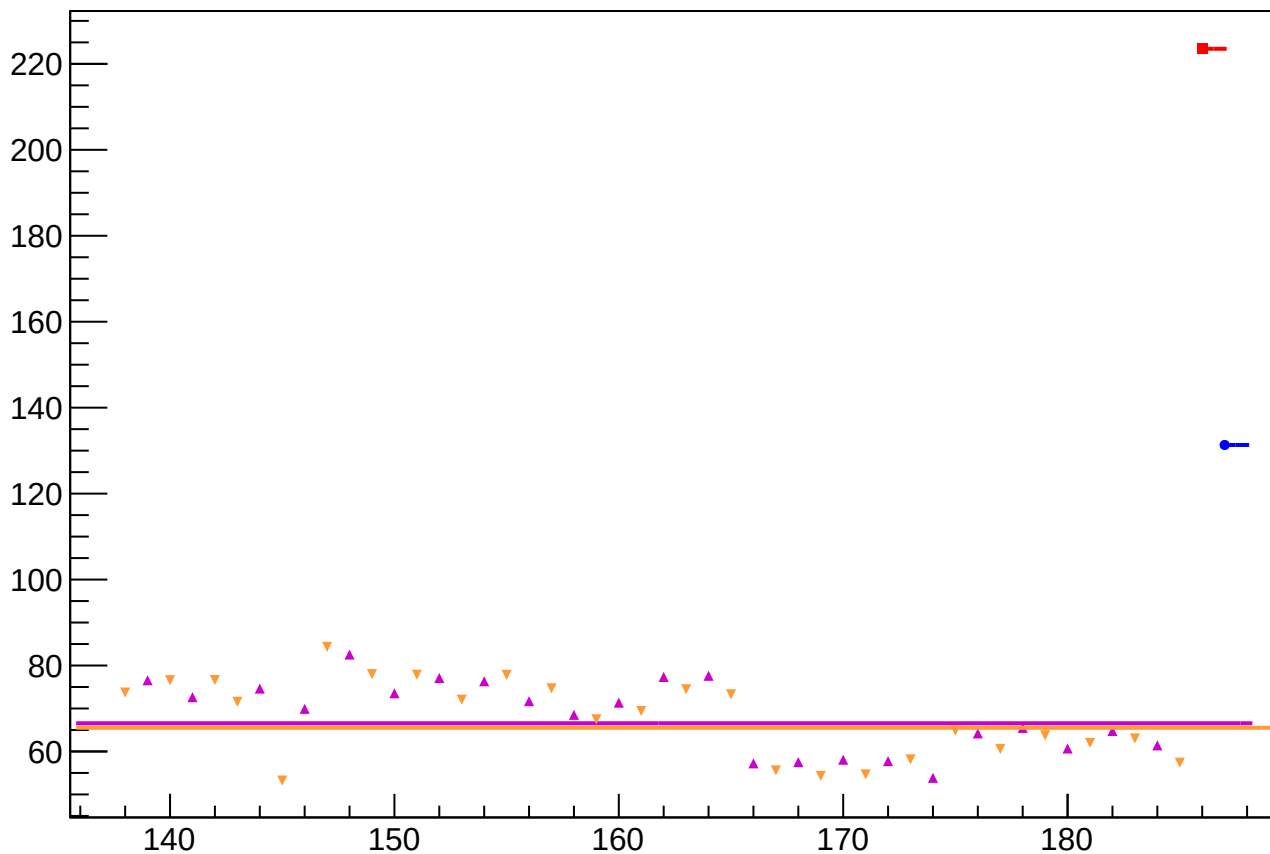
Right: 133.895 $\pm$ 250.500 χ^2 /NDF: 0.0/1

In: -23.927 $\pm$ 16.016 χ^2 /NDF:21.4/23

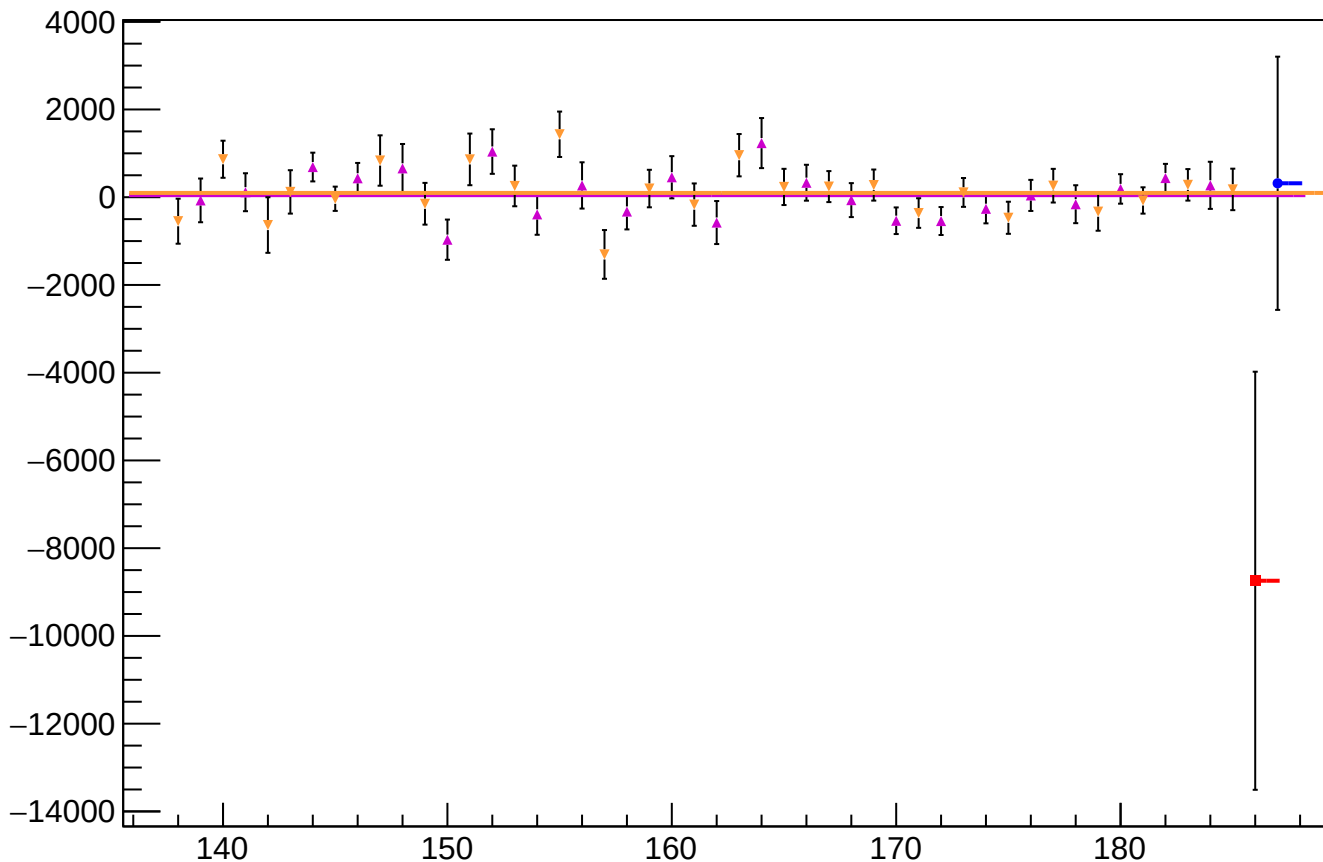
Out: -9.163 $\pm$ 15.457 χ^2 /NDF:34.8/25

All: -16.283 $\pm$ 11.122 χ^2 /NDF: 56.7/49

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 317.423+/-2885.854 χ^2/NDF : 0.0/0

Left Out: 97.420+/-82.238 χ^2/NDF :33.3/24

Right Out: -8742.441+/-4764.895 χ^2/NDF : 0.0/0

Left In: 46.660+/-83.857 χ^2/NDF :34.2/22

Left: 72.535+/-58.715 χ^2/NDF : 67.7/47

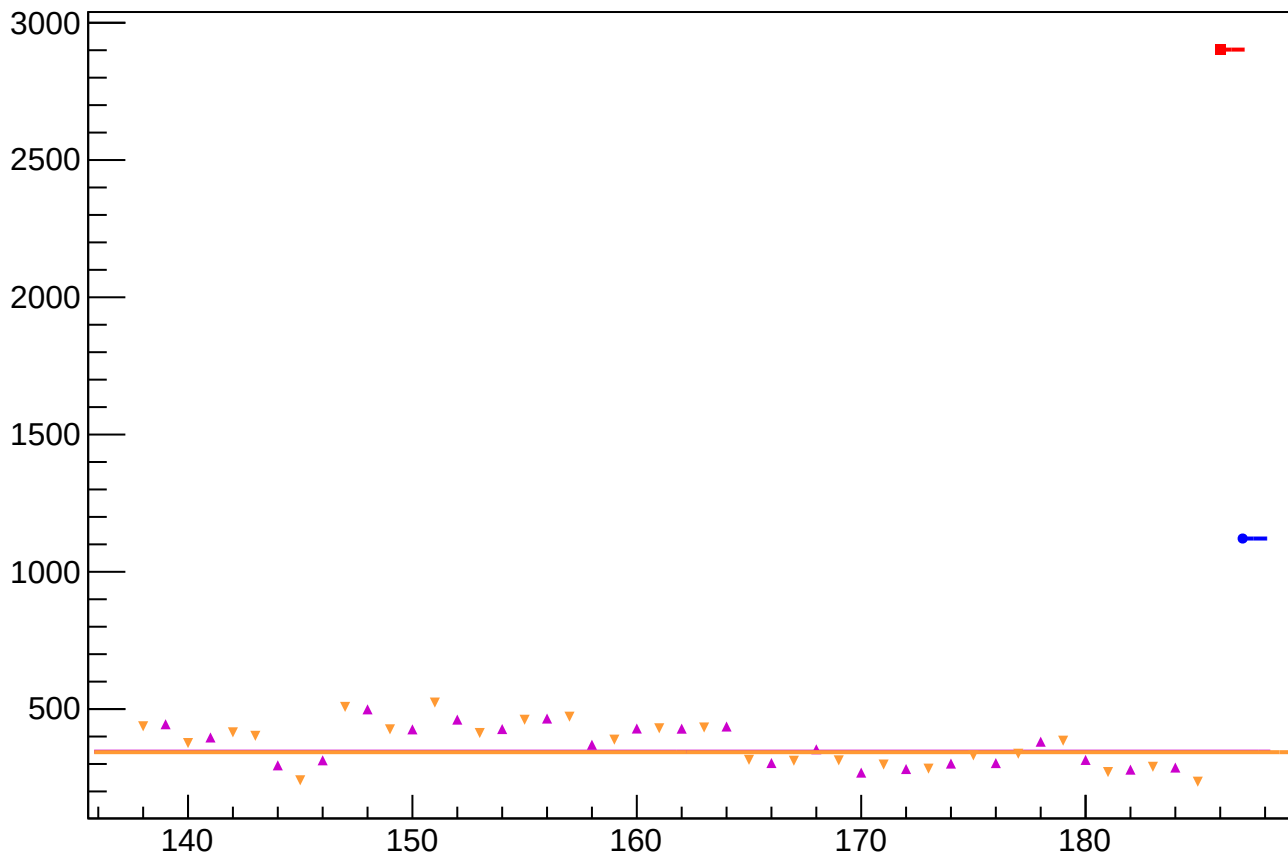
Right: -2113.971+/-2468.426 χ^2/NDF : 2.6/1

In: 46.888+/-83.822 χ^2/NDF :34.2/23

Out: 94.788+/-82.226 χ^2/NDF :36.7/25

All: 71.298+/-58.699 χ^2/NDF : 71.1/49

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 1121.257+/-2.041 χ^2/NDF : 0.0/0

Left Out: 342.995+/-0.058 χ^2/NDF :1665121.0/24

Right Out: 2902.273+/-3.369 χ^2/NDF : 0.0/0

Left In: 344.818+/-0.059 χ^2/NDF :1264545.0/22

Left: 343.889+/-0.042 χ^2/NDF : 2930147.7/47

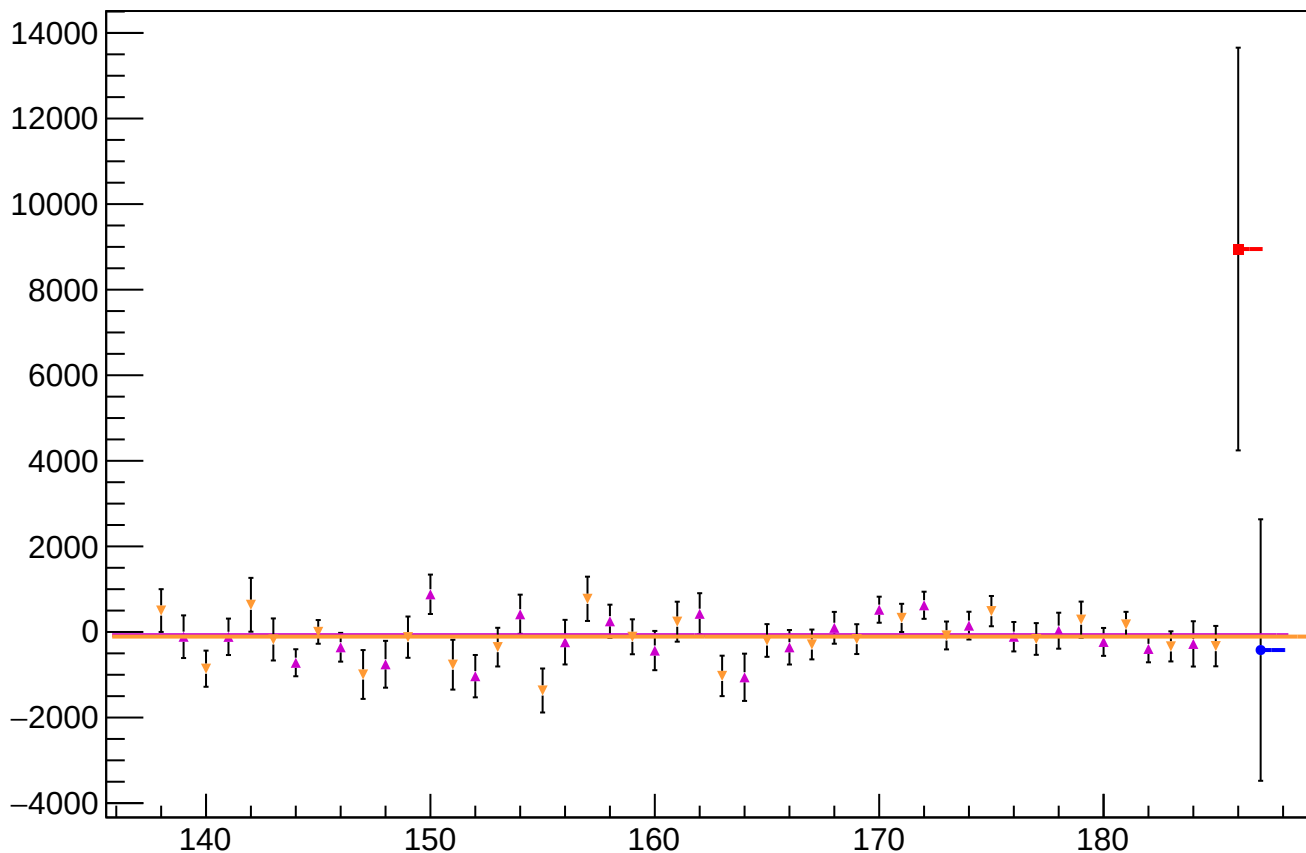
Right: 1599.228+/-1.745 χ^2/NDF : 204432.8/1

In: 345.473+/-0.059 χ^2/NDF :1409198.4/23

Out: 343.757+/-0.058 χ^2/NDF :2241925.6/25

All: 344.599+/-0.042 χ^2/NDF : 3651551.1/49

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -422.369+/-3055.841 χ^2/NDF : 0.0/0

Left Out: -108.037+/-80.579 χ^2/NDF :30.9/24

Right Out: 8949.643+/-4706.210 χ^2/NDF : 0.0/0

Left In: -74.986+/-81.949 χ^2/NDF :32.7/22

Left: -91.790+/-57.456 χ^2/NDF : 63.6/47

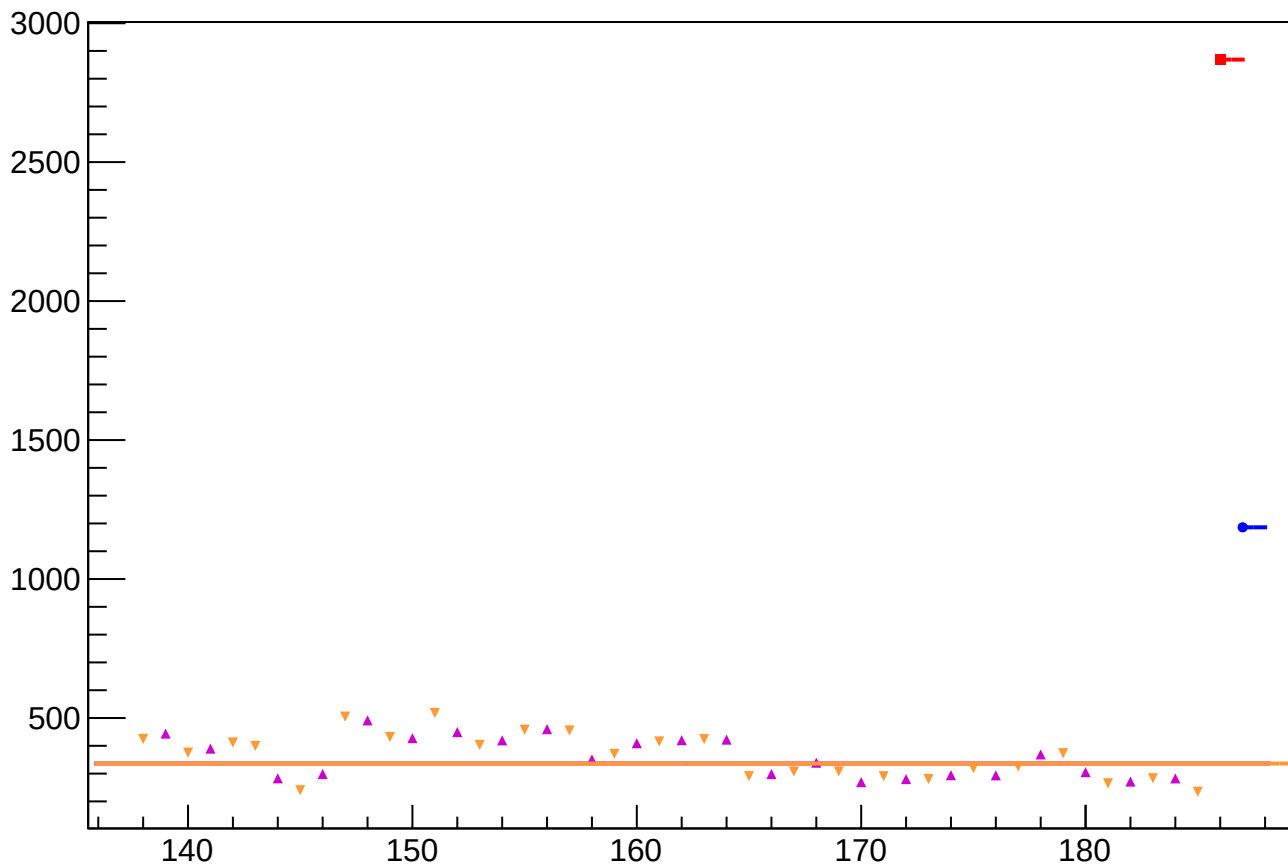
Right: 2357.145+/-2562.945 χ^2/NDF : 2.8/1

In: -75.236+/-81.920 χ^2/NDF :32.7/23

Out: -105.382+/-80.568 χ^2/NDF :34.6/25

All: -90.560+/-57.442 χ^2/NDF : 67.3/49

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 1186.048 $\pm$ 2.161 χ^2 /NDF: 0.0/0

Left Out: 336.231 $\pm$ 0.057 χ^2 /NDF:1659693.0/24

Right Out: 2868.780 $\pm$ 3.328 χ^2 /NDF: 0.0/0

Left In: 336.396 $\pm$ 0.058 χ^2 /NDF:1269587.6/22

Left: 336.312 $\pm$ 0.041 χ^2 /NDF: 2929284.8/47

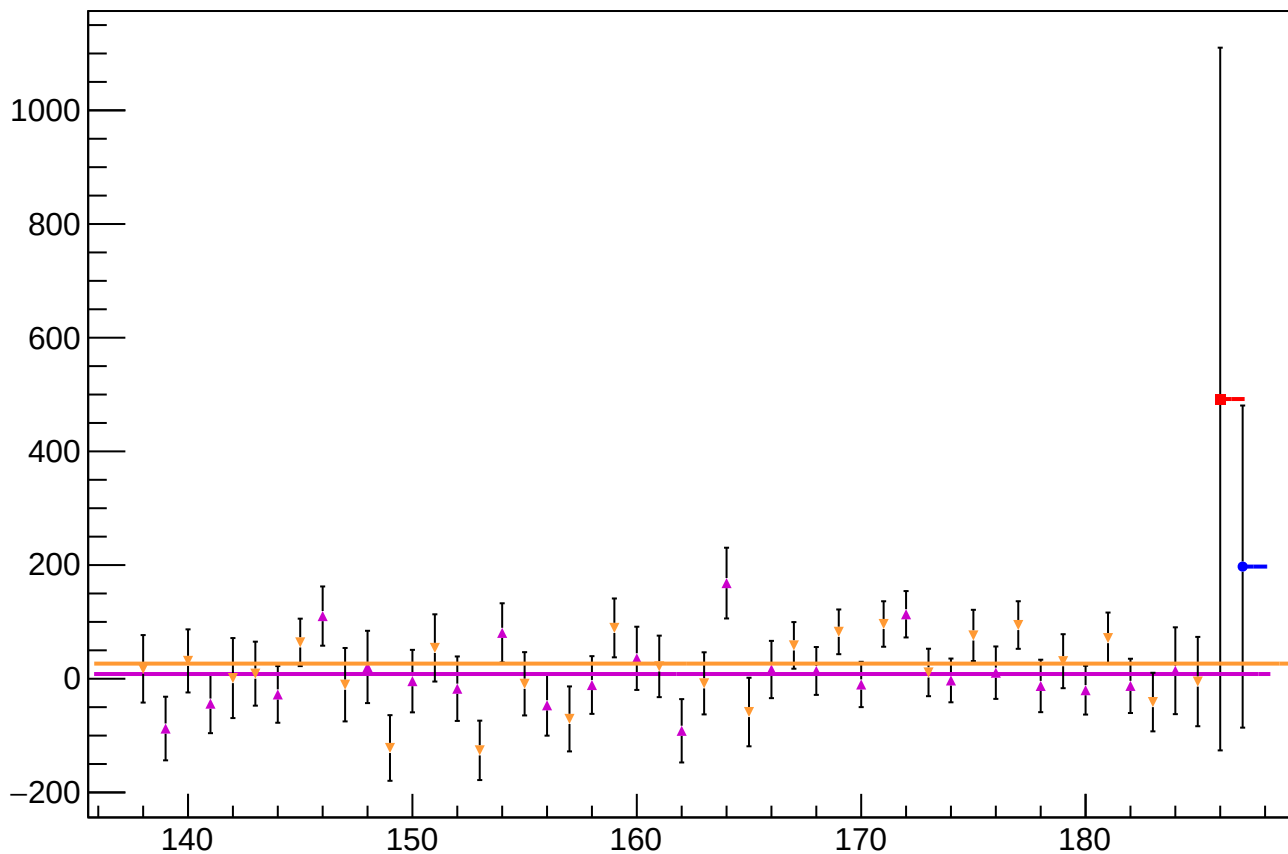
Right: 1685.106 $\pm$ 1.812 χ^2 /NDF: 179859.9/1

In: 337.006 $\pm$ 0.058 χ^2 /NDF:1424091.3/23

Out: 336.973 $\pm$ 0.057 χ^2 /NDF:2238689.3/25

All: 336.990 $\pm$ 0.041 χ^2 /NDF: 3662780.7/49

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 197.326 $\pm$ 283.352 χ^2 /NDF: 0.0/0

Left Out: 26.633 $\pm$ 10.090 χ^2 /NDF:36.5/24

Right Out: 492.096 $\pm$ 618.146 χ^2 /NDF: 0.0/0

Left In: 8.325 $\pm$ 10.361 χ^2 /NDF:29.6/22

Left: 17.721 $\pm$ 7.229 χ^2 /NDF: 67.7/47

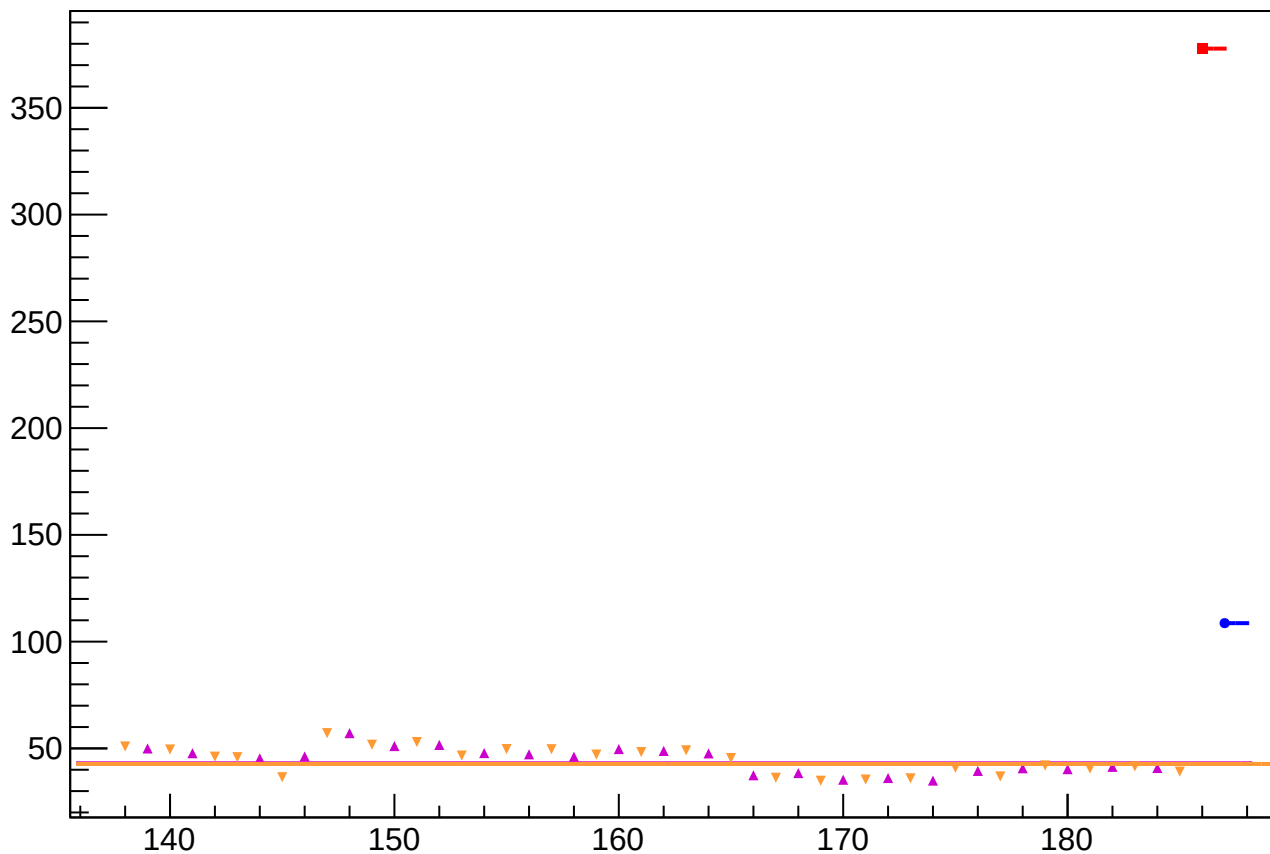
Right: 248.509 $\pm$ 257.580 χ^2 /NDF: 0.2/1

In: 8.577 $\pm$ 10.354 χ^2 /NDF:30.1/23

Out: 26.757 $\pm$ 10.089 χ^2 /NDF:37.0/25

All: 17.903 $\pm$ 7.226 χ^2 /NDF: 68.7/49

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 108.657 $\pm$ 0.200 χ^2 /NDF: 0.0/0

Left Out: 42.716 $\pm$ 0.007 χ^2 /NDF:771558.7/24

Right Out: 377.742 $\pm$ 0.437 χ^2 /NDF: 0.0/0

Left In: 43.021 $\pm$ 0.007 χ^2 /NDF:642598.9/22

Left: 42.865 $\pm$ 0.005 χ^2 /NDF: 1415050.2/47

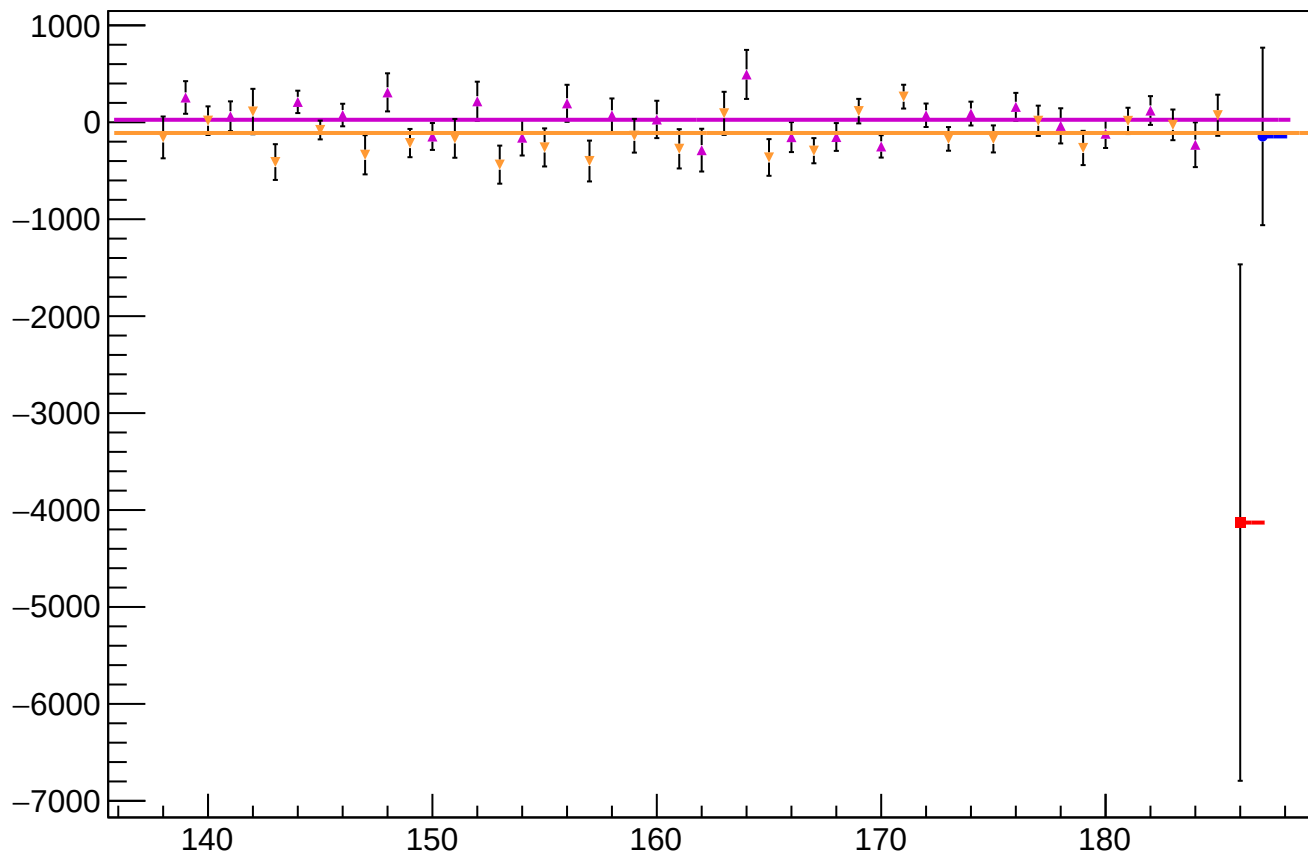
Right: 155.380 $\pm$ 0.182 χ^2 /NDF: 313184.1/1

In: 43.109 $\pm$ 0.007 χ^2 /NDF:749768.0/23

Out: 42.805 $\pm$ 0.007 χ^2 /NDF:1358899.6/25

All: 42.953 $\pm$ 0.005 χ^2 /NDF: 2109551.4/49

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.893+/-915.579 χ^2/NDF : 0.0/0

Left Out: -110.340+/-31.717 χ^2/NDF :33.0/24

Right Out: -4129.472+/-2663.767 χ^2/NDF : 0.0/0

Left In: 25.828+/-32.100 χ^2/NDF :29.0/22

Left: -43.073+/-22.561 χ^2/NDF : 71.1/47

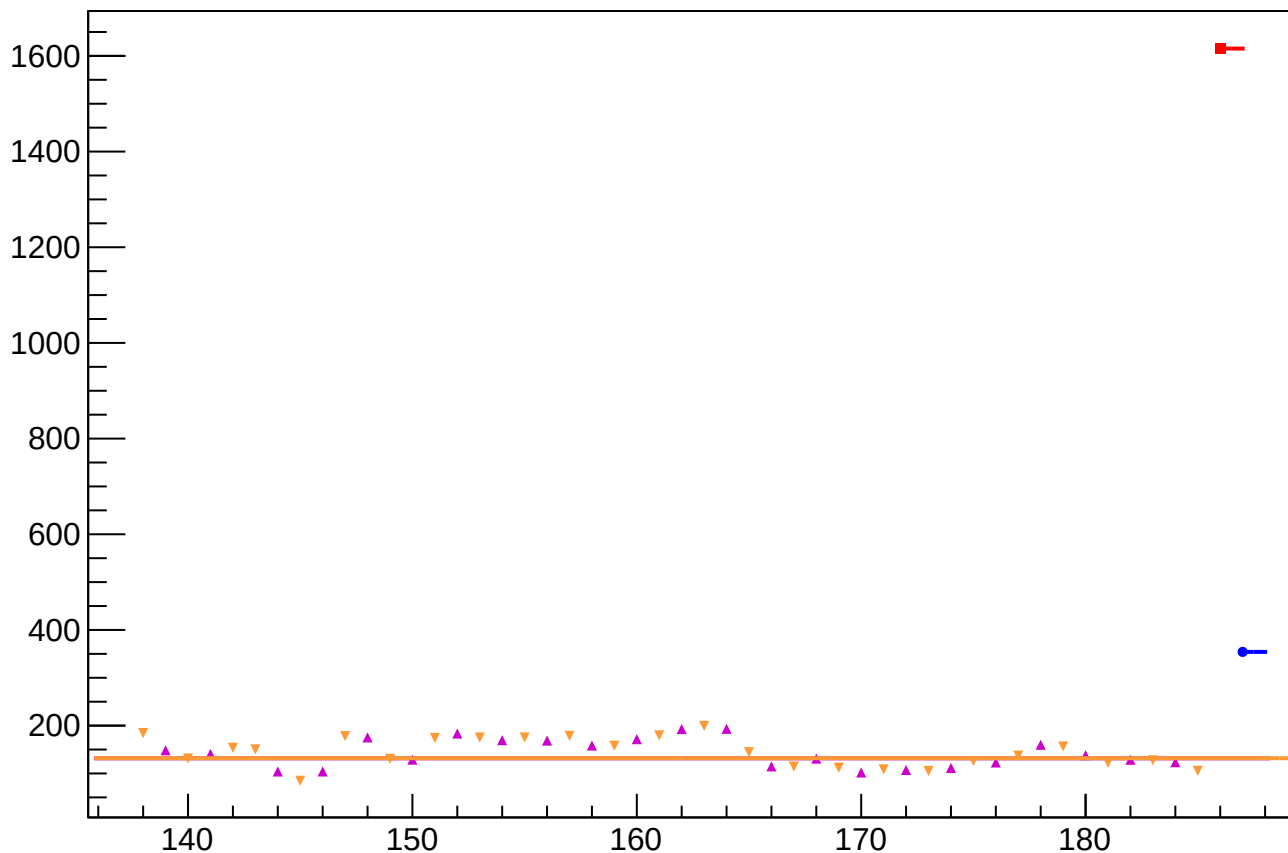
Right: -566.790+/-865.860 χ^2/NDF : 2.0/1

In: 25.617+/-32.080 χ^2/NDF :29.1/23

Out: -110.910+/-31.715 χ^2/NDF :35.2/25

All: -43.428+/-22.554 χ^2/NDF : 73.4/49

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 354.110 $\pm$ 0.647 χ^2 /NDF: 0.0/0

Left Out: 131.875 $\pm$ 0.022 χ^2 /NDF:1806379.2/24

Right Out: 1615.302 $\pm$ 1.884 χ^2 /NDF: 0.0/0

Left In: 131.630 $\pm$ 0.023 χ^2 /NDF:1403692.5/22

Left: 131.754 $\pm$ 0.016 χ^2 /NDF: 3210130.7/47

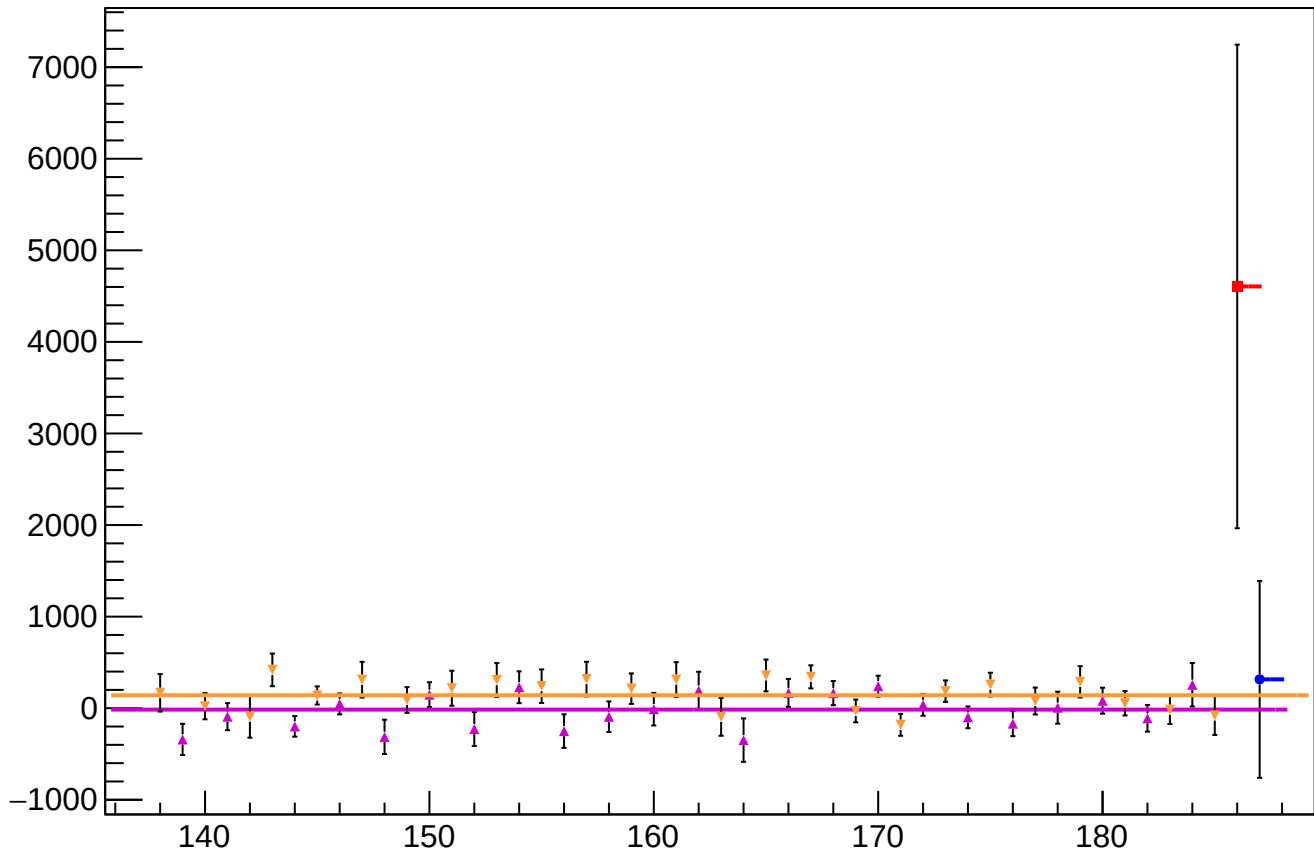
Right: 487.365 $\pm$ 0.612 χ^2 /NDF: 400962.4/1

In: 131.903 $\pm$ 0.023 χ^2 /NDF:1521640.0/23

Out: 132.085 $\pm$ 0.022 χ^2 /NDF:2426546.3/25

All: 131.995 $\pm$ 0.016 χ^2 /NDF: 3948219.0/49

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 314.856 ± 1074.786 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 141.008 ± 30.636 $\chi^2/\text{NDF}: 27.1/24$

Right Out: 4605.425 ± 2640.214 $\chi^2/\text{NDF}: 0.0/0$

Left In: -15.199 ± 31.033 $\chi^2/\text{NDF}: 31.4/22$

Left: 63.911 ± 21.802 $\chi^2/\text{NDF}: 71.3/47$

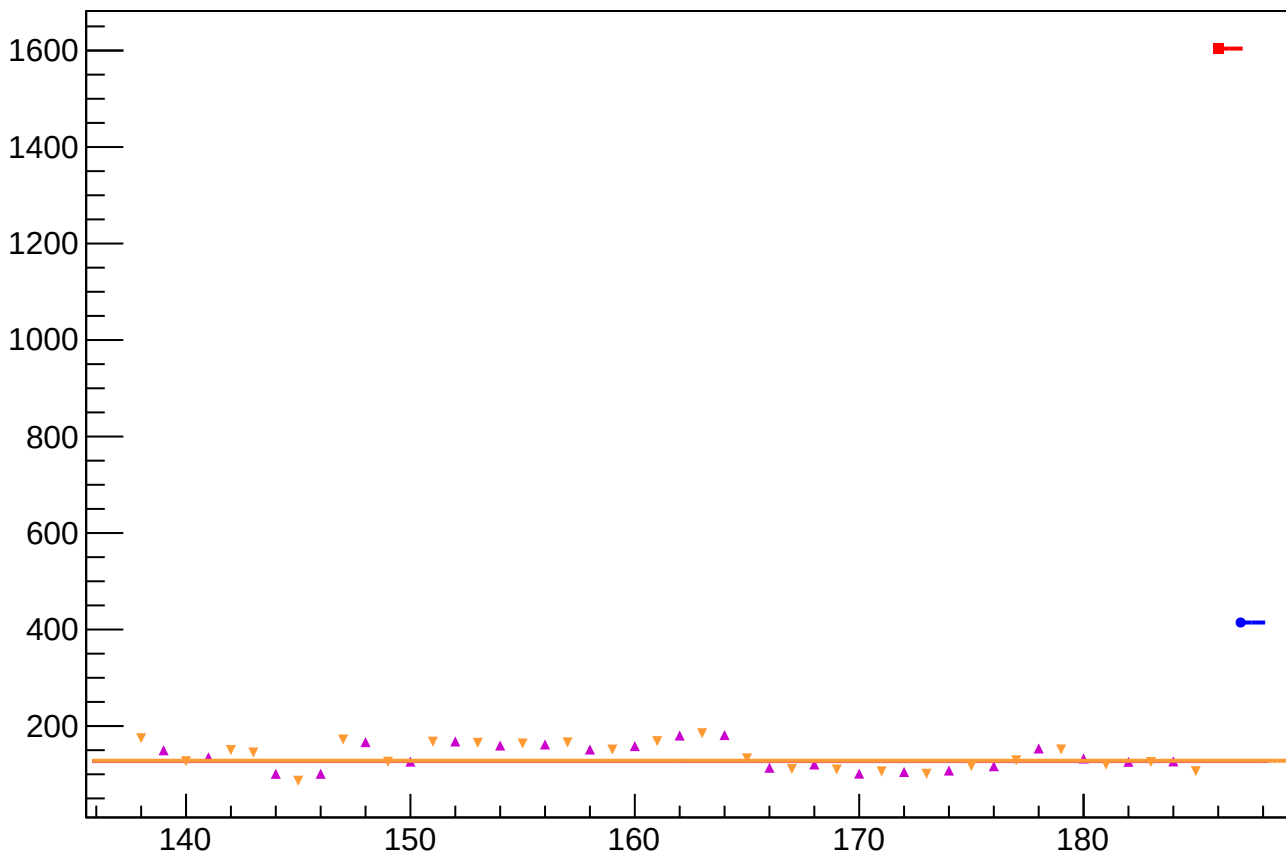
Right: 924.797 ± 995.464 $\chi^2/\text{NDF}: 2.3/1$

In: -14.924 ± 31.020 $\chi^2/\text{NDF}: 31.5/23$

Out: 141.609 ± 30.634 $\chi^2/\text{NDF}: 30.0/25$

All: 64.324 ± 21.797 $\chi^2/\text{NDF}: 74.3/49$

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 414.557 $\pm$ 0.760 χ^2 /NDF: 0.0/0

Left Out: 128.060 $\pm$ 0.022 χ^2 /NDF:1530283.7/24

Right Out: 1604.044 $\pm$ 1.867 χ^2 /NDF: 0.0/0

Left In: 127.380 $\pm$ 0.022 χ^2 /NDF:1229899.0/22

Left: 127.724 $\pm$ 0.015 χ^2 /NDF: 2760669.0/47

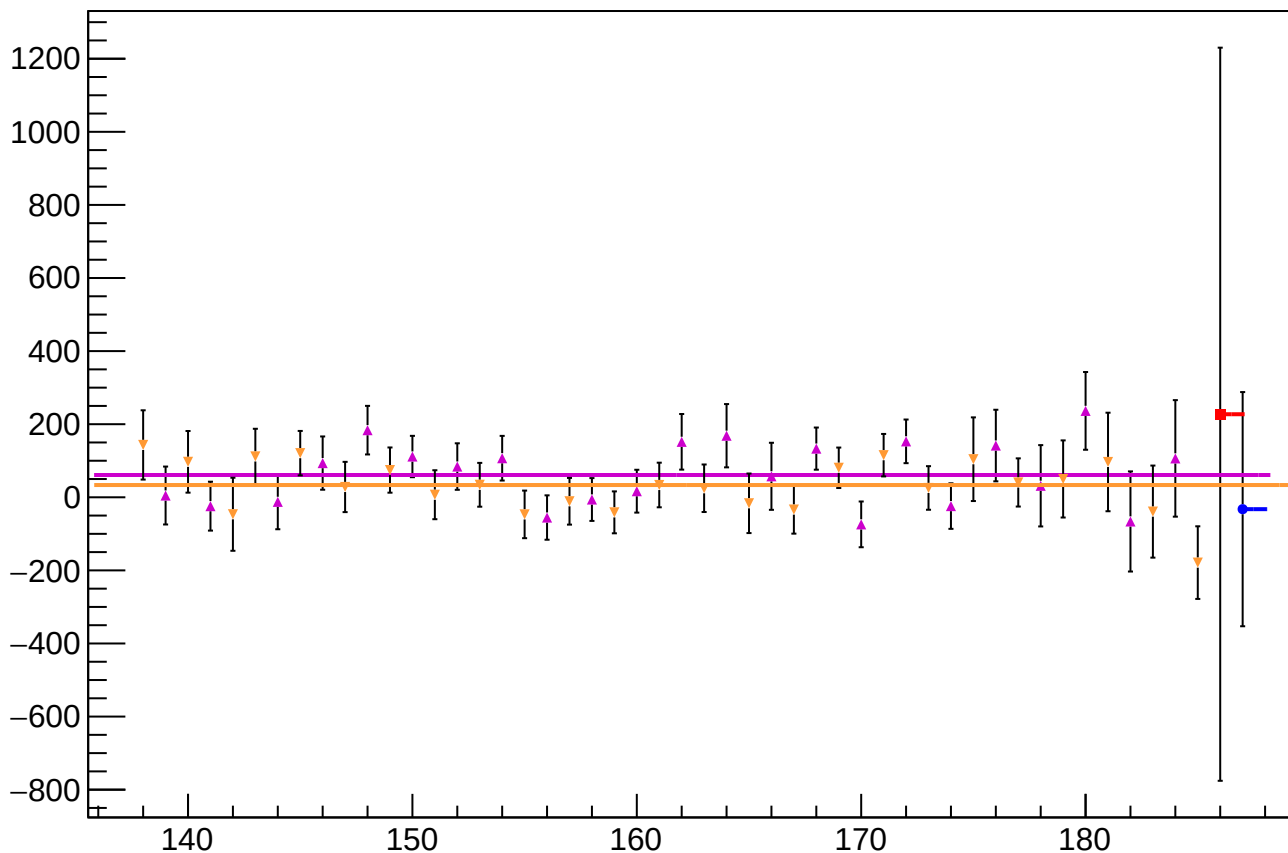
Right: 583.653 $\pm$ 0.704 χ^2 /NDF: 348239.6/1

In: 127.619 $\pm$ 0.022 χ^2 /NDF:1372566.6/23

Out: 128.258 $\pm$ 0.022 χ^2 /NDF:2155250.4/25

All: 127.943 $\pm$ 0.015 χ^2 /NDF: 3528247.3/49

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: -32.489 ± 320.407 χ^2/NDF : 0.0/0

Left Out: 33.535 ± 14.197 χ^2/NDF : 19.7/24

Right Out: 227.258 ± 1002.995 χ^2/NDF : 0.0/0

Left In: 60.992 ± 14.839 χ^2/NDF : 31.6/22

Left: 46.656 ± 10.258 χ^2/NDF : 53.0/47

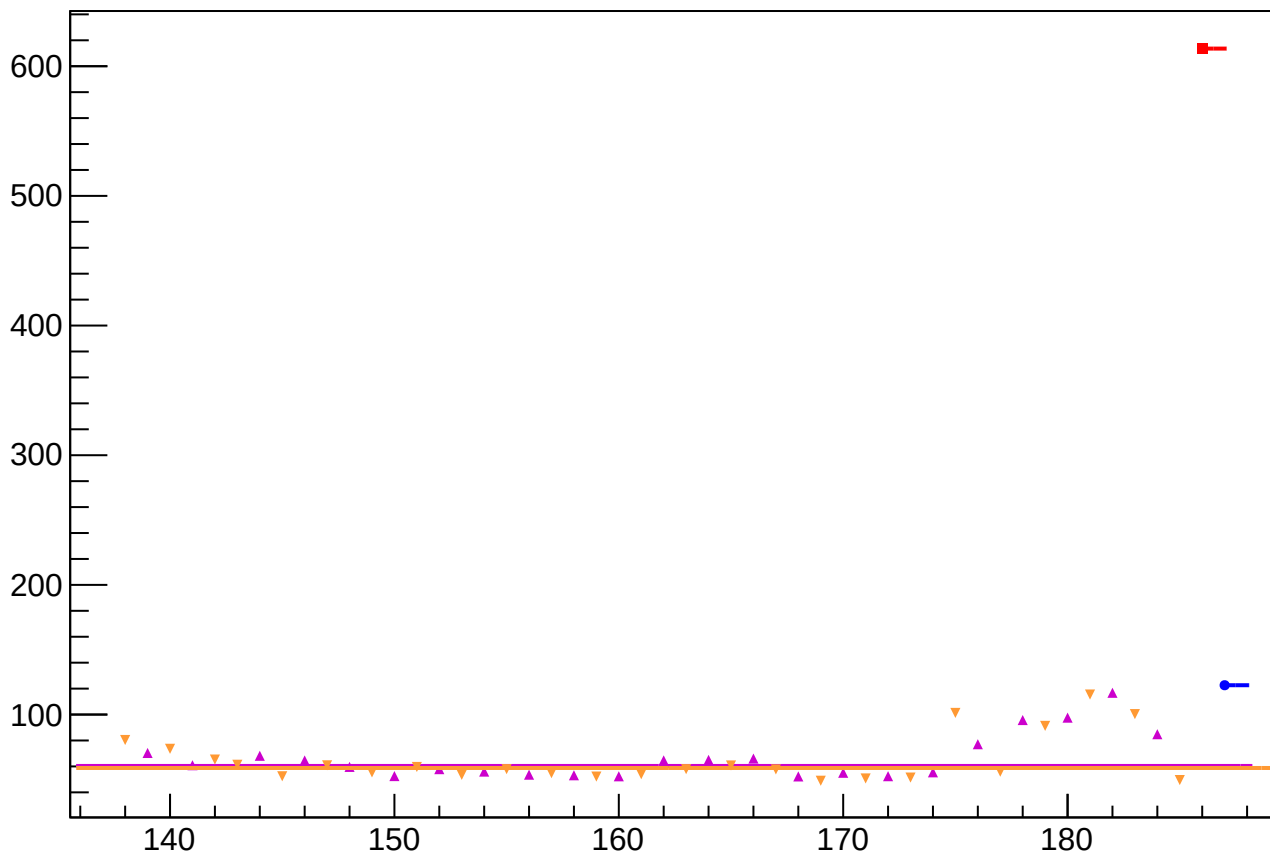
Right: -8.437 ± 305.212 χ^2/NDF : 0.1/1

In: 60.792 ± 14.823 χ^2/NDF : 31.7/23

Out: 33.573 ± 14.195 χ^2/NDF : 19.7/25

All: 46.594 ± 10.252 χ^2/NDF : 53.1/49

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 122.616 $\pm$ 0.227 χ^2 /NDF: 0.0/0

Left Out: 58.793 $\pm$ 0.010 χ^2 /NDF:1460561.7/24

Right Out: 613.598 $\pm$ 0.709 χ^2 /NDF: 0.0/0

Left In: 60.355 $\pm$ 0.010 χ^2 /NDF:1217671.4/22

Left: 59.539 $\pm$ 0.007 χ^2 /NDF: 2689802.0/47

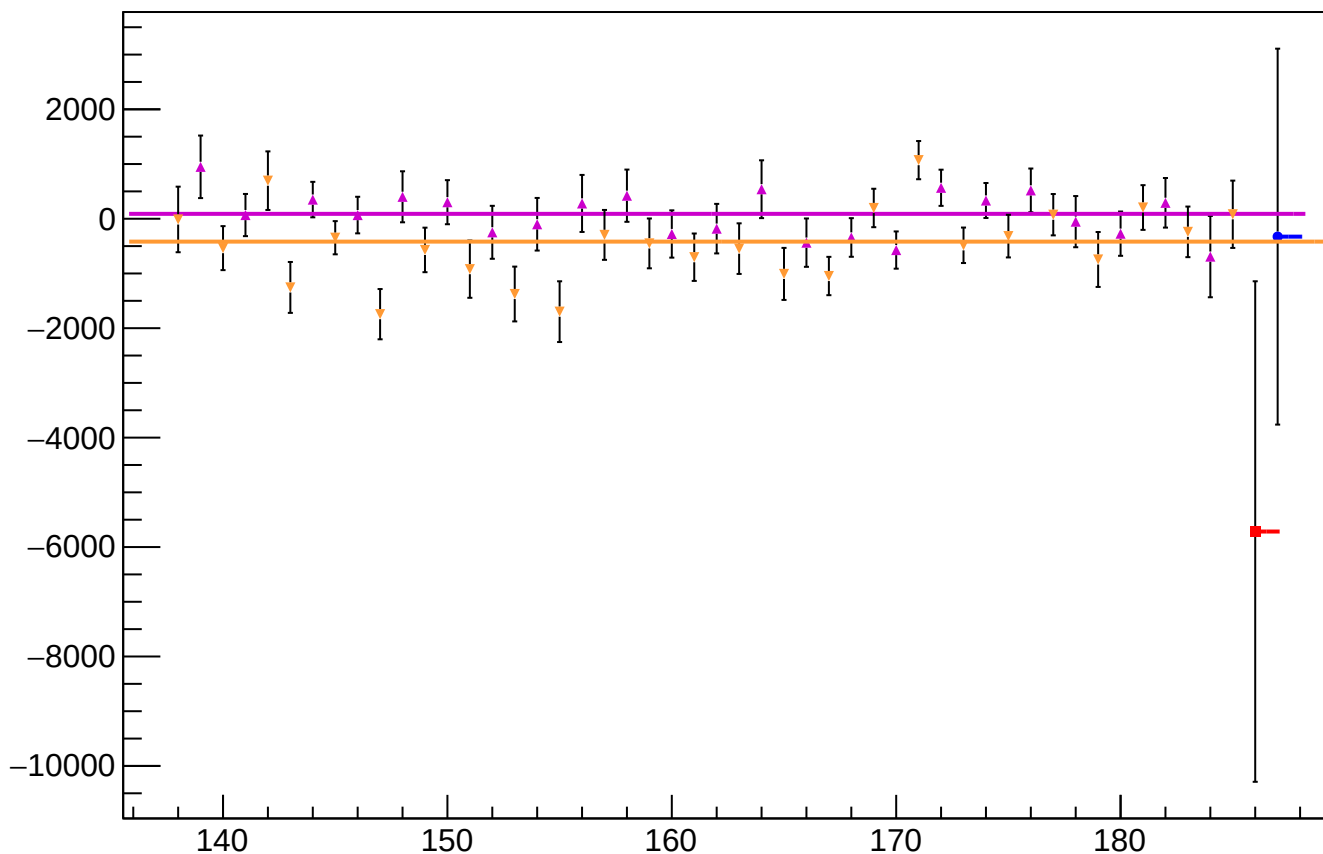
Right: 168.080 $\pm$ 0.216 χ^2 /NDF: 434873.4/1

In: 60.488 $\pm$ 0.010 χ^2 /NDF:1293028.9/23

Out: 58.904 $\pm$ 0.010 χ^2 /NDF:2072384.9/25

All: 59.662 $\pm$ 0.007 χ^2 /NDF: 3377327.4/49

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -326.908 ± 3435.164 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -417.817 ± 84.969 $\chi^2/\text{NDF}: 58.5/24$

Right Out: -5716.278 ± 4573.706 $\chi^2/\text{NDF}: 0.0/0$

Left In: 89.505 ± 86.438 $\chi^2/\text{NDF}: 19.4/22$

Left: -168.504 ± 60.595 $\chi^2/\text{NDF}: 95.4/47$

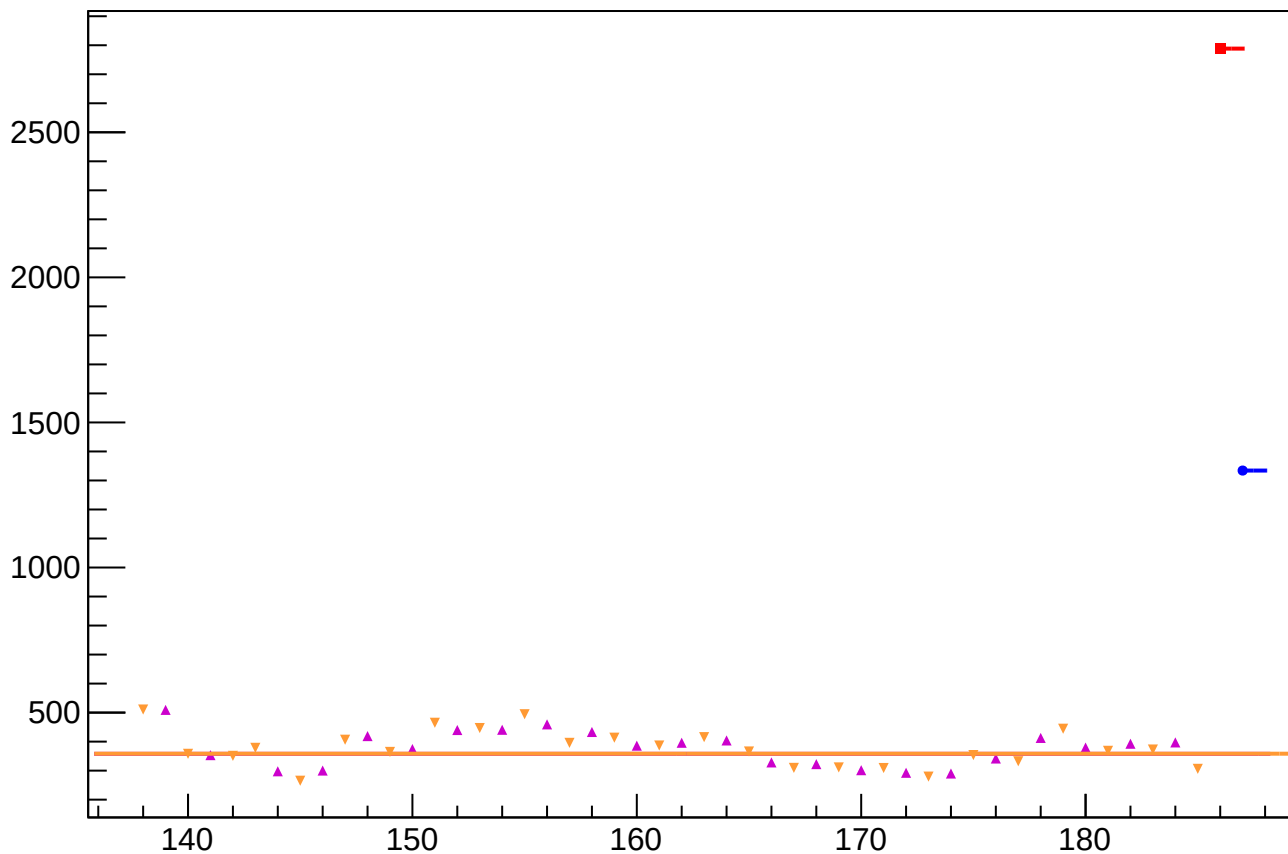
Right: -2270.616 ± 2746.723 $\chi^2/\text{NDF}: 0.9/1$

In: 89.242 ± 86.411 $\chi^2/\text{NDF}: 19.4/23$

Out: -419.645 ± 84.955 $\chi^2/\text{NDF}: 59.8/25$

All: -169.526 ± 60.580 $\chi^2/\text{NDF}: 96.9/49$

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 1334.167+/-2.429 χ^2/NDF : 0.0/0

Left Out: 358.349+/-0.060 χ^2/NDF :1011872.8/24

Right Out: 2788.413+/-3.234 χ^2/NDF : 0.0/0

Left In: 357.802+/-0.061 χ^2/NDF :893330.5/22

Left: 358.080+/-0.043 χ^2/NDF : 1905244.1/47

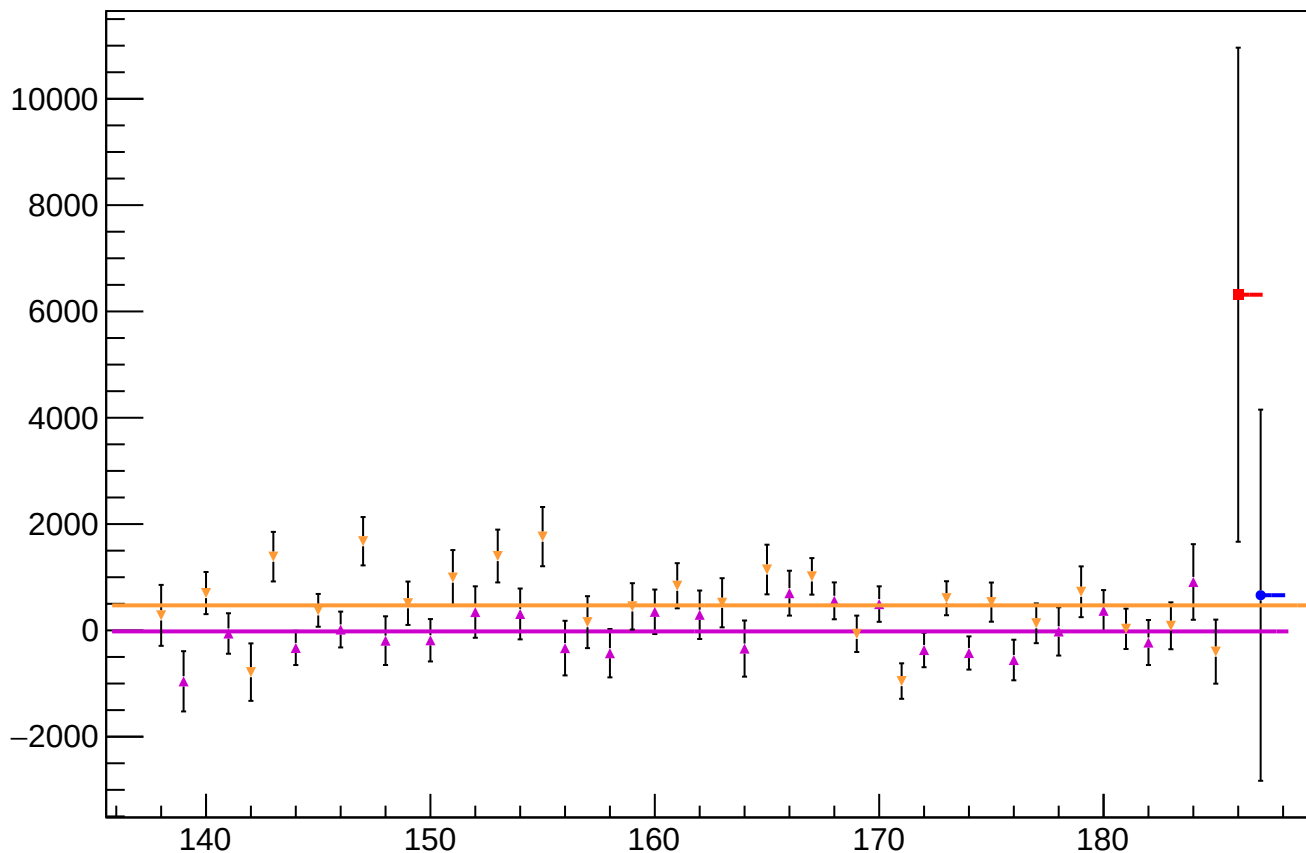
Right: 1858.649+/-1.942 χ^2/NDF : 129271.8/1

In: 358.419+/-0.061 χ^2/NDF :1054797.9/23

Out: 359.187+/-0.060 χ^2/NDF :1576262.3/25

All: 358.810+/-0.043 χ^2/NDF : 2631140.6/49

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 661.464+/-3491.212 χ^2/NDF : 0.0/0

Left Out: 470.804+/-83.480 χ^2/NDF :58.7/24

Right Out: 6314.741+/-4647.532 χ^2/NDF : 0.0/0

Left In: -19.328+/-84.679 χ^2/NDF :23.7/22

Left: 229.235+/-59.449 χ^2/NDF : 99.4/47

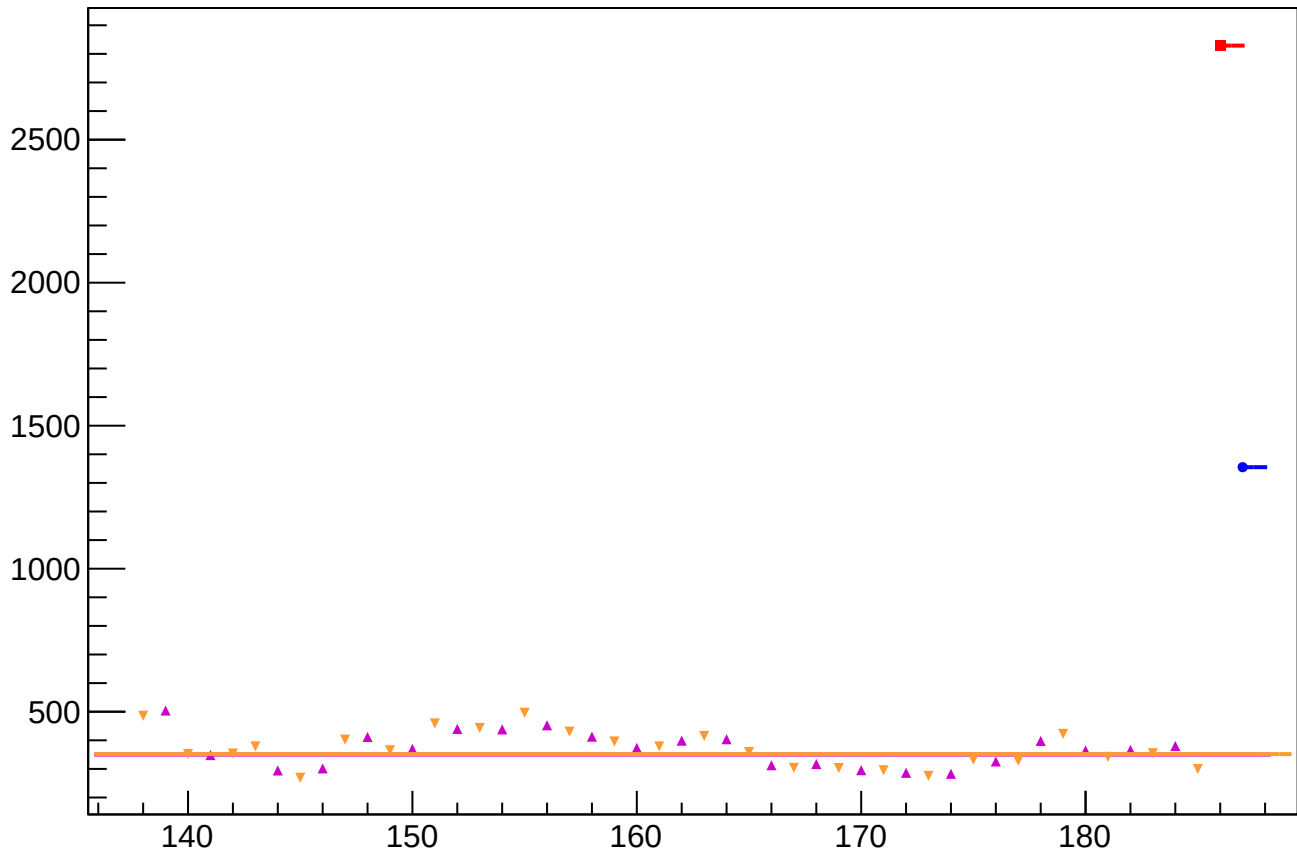
Right: 2700.800+/-2791.365 χ^2/NDF : 0.9/1

In: -18.927+/-84.654 χ^2/NDF :23.7/23

Out: 472.689+/-83.466 χ^2/NDF :60.3/25

All: 230.355+/-59.435 χ^2/NDF : 101.1/49

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 1354.921+/-2.469 χ^2/NDF : 0.0/0

Left Out: 351.777+/-0.059 χ^2/NDF :1016791.1/24

Right Out: 2828.897+/-3.286 χ^2/NDF : 0.0/0

Left In: 350.037+/-0.060 χ^2/NDF :889435.7/22

Left: 350.919+/-0.042 χ^2/NDF : 1906655.0/47

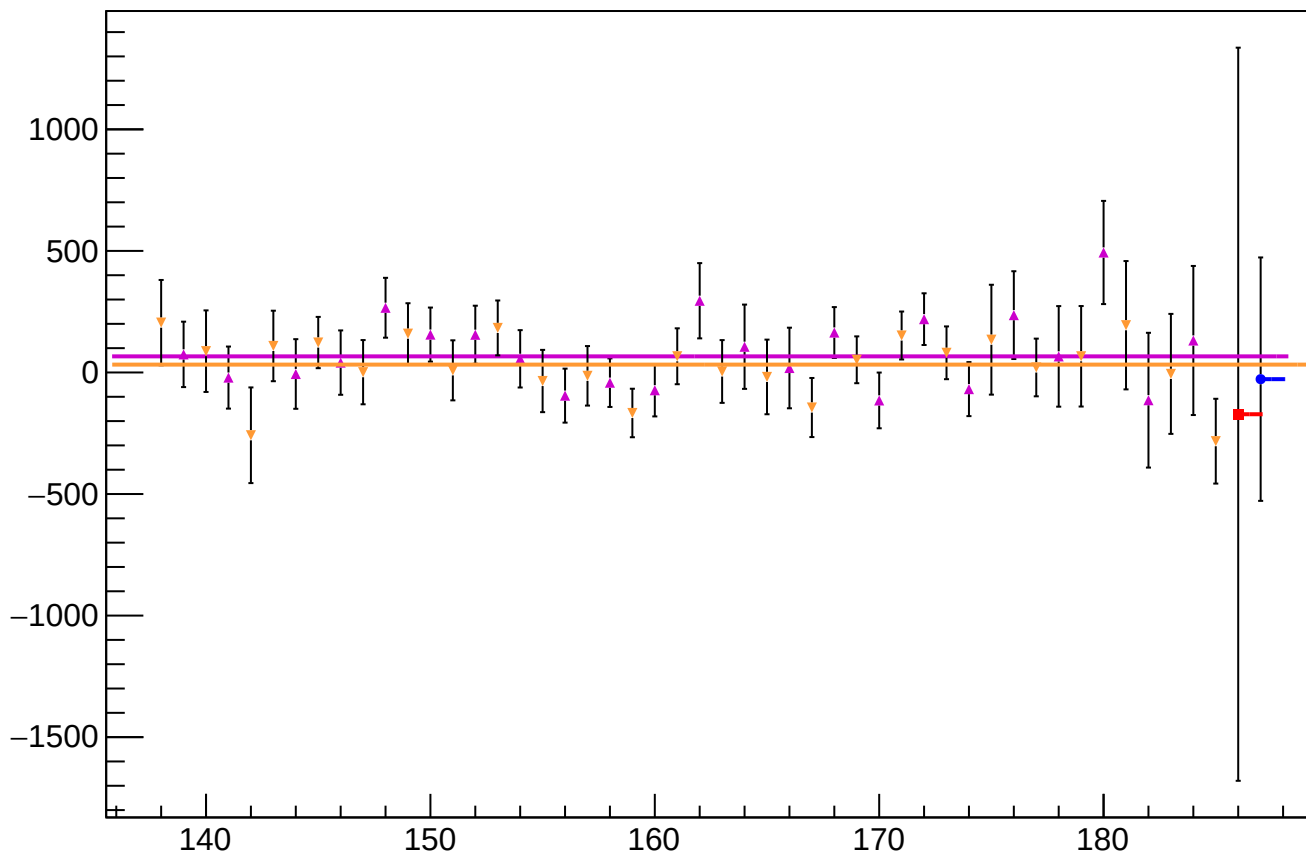
Right: 1886.636+/-1.974 χ^2/NDF : 128601.8/1

In: 350.628+/-0.060 χ^2/NDF :1055033.2/23

Out: 352.576+/-0.059 χ^2/NDF :1584779.1/25

All: 351.616+/-0.042 χ^2/NDF : 2640349.3/49

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -27.511 $\pm$ 500.634 χ^2 /NDF: 0.0/0

Left Out: 32.332 $\pm$ 26.320 χ^2 /NDF:19.6/24

Right Out: -171.793 $\pm$ 1507.763 χ^2 /NDF: 0.0/0

Left In: 66.254 $\pm$ 27.450 χ^2 /NDF:24.2/22

Left: 48.580 $\pm$ 18.998 χ^2 /NDF: 44.6/47

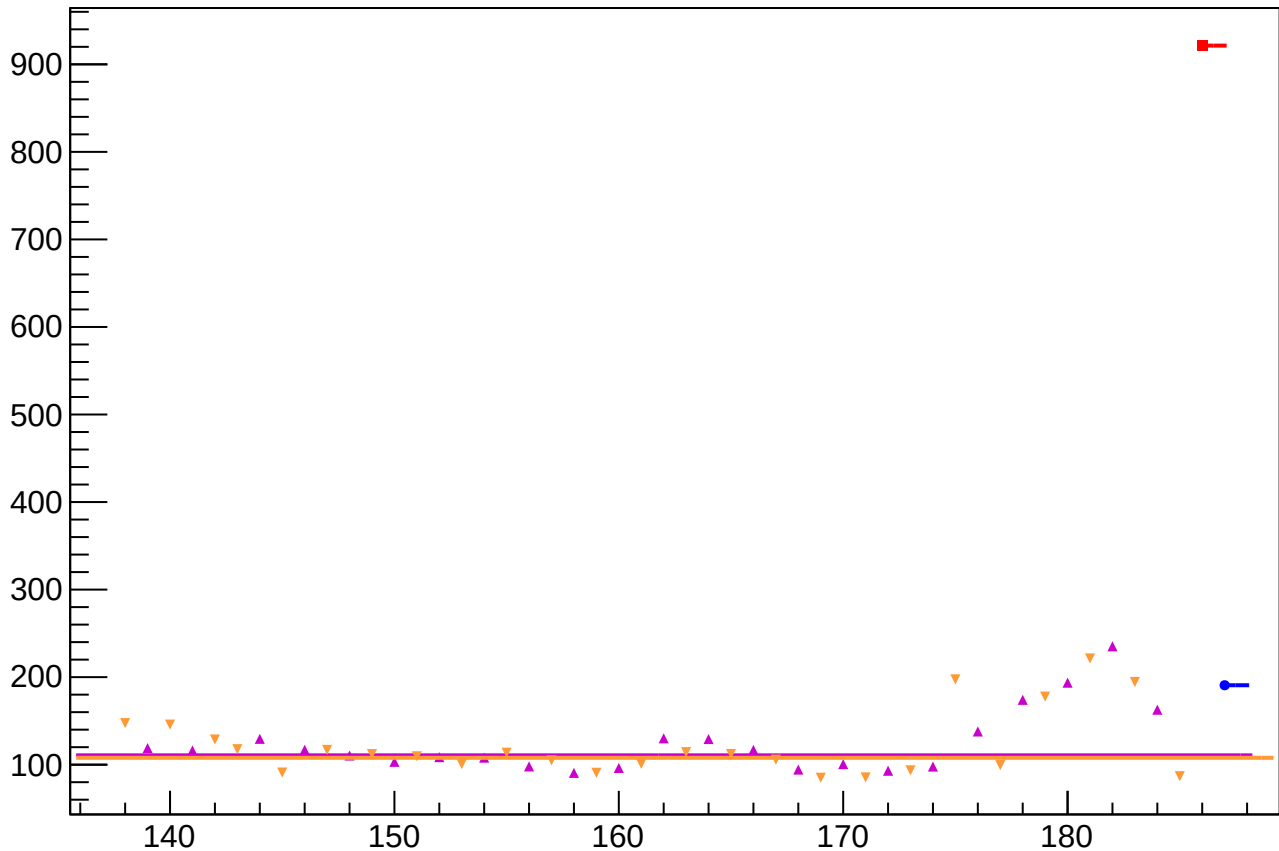
Right: -41.839 $\pm$ 475.128 χ^2 /NDF: 0.0/1

In: 65.973 $\pm$ 27.409 χ^2 /NDF:24.3/23

Out: 32.269 $\pm$ 26.316 χ^2 /NDF:19.6/25

All: 48.436 $\pm$ 18.983 χ^2 /NDF: 44.6/49

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 190.736 $\pm$ 0.354 χ^2 /NDF: 0.0/0

Left Out: 107.852 $\pm$ 0.019 χ^2 /NDF:1833747.9/24

Right Out: 921.402 $\pm$ 1.066 χ^2 /NDF: 0.0/0

Left In: 110.691 $\pm$ 0.019 χ^2 /NDF:1406587.3/22

Left: 109.212 $\pm$ 0.013 χ^2 /NDF: 3251479.0/47

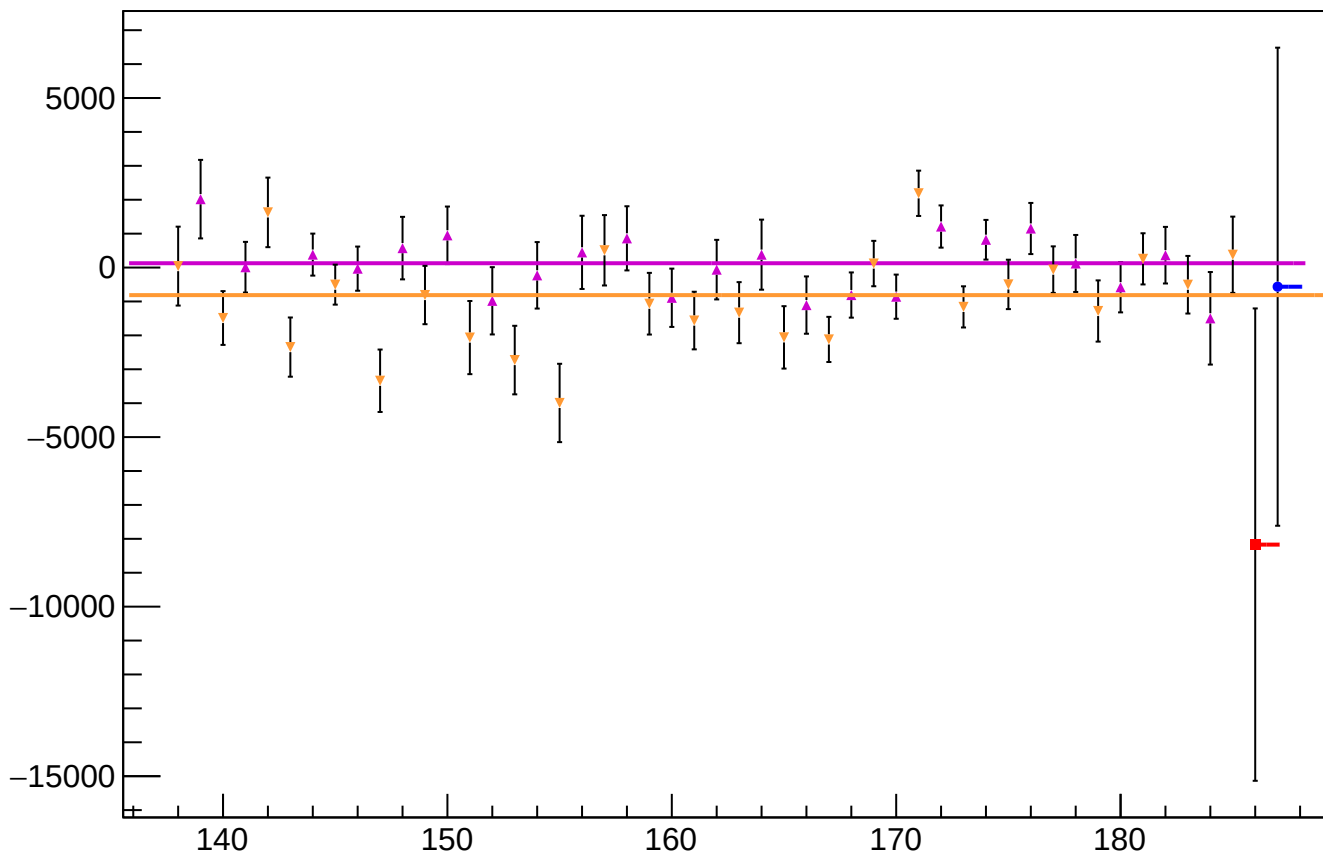
Right: 263.292 $\pm$ 0.336 χ^2 /NDF: 423038.6/1

In: 110.931 $\pm$ 0.019 χ^2 /NDF:1457562.5/23

Out: 108.100 $\pm$ 0.019 χ^2 /NDF:2415850.1/25

All: 109.458 $\pm$ 0.013 χ^2 /NDF: 3884513.5/49

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -565.094 $\pm$ 7049.637 χ^2 /NDF: 0.0/0

Left Out: -813.029 $\pm$ 164.102 χ^2 /NDF:66.2/24

Right Out: -8170.712 $\pm$ 6965.269 χ^2 /NDF: 0.0/0

Left In: 127.427 $\pm$ 166.308 χ^2 /NDF:22.8/22

Left: -349.081 $\pm$ 116.810 χ^2 /NDF: 105.2/47

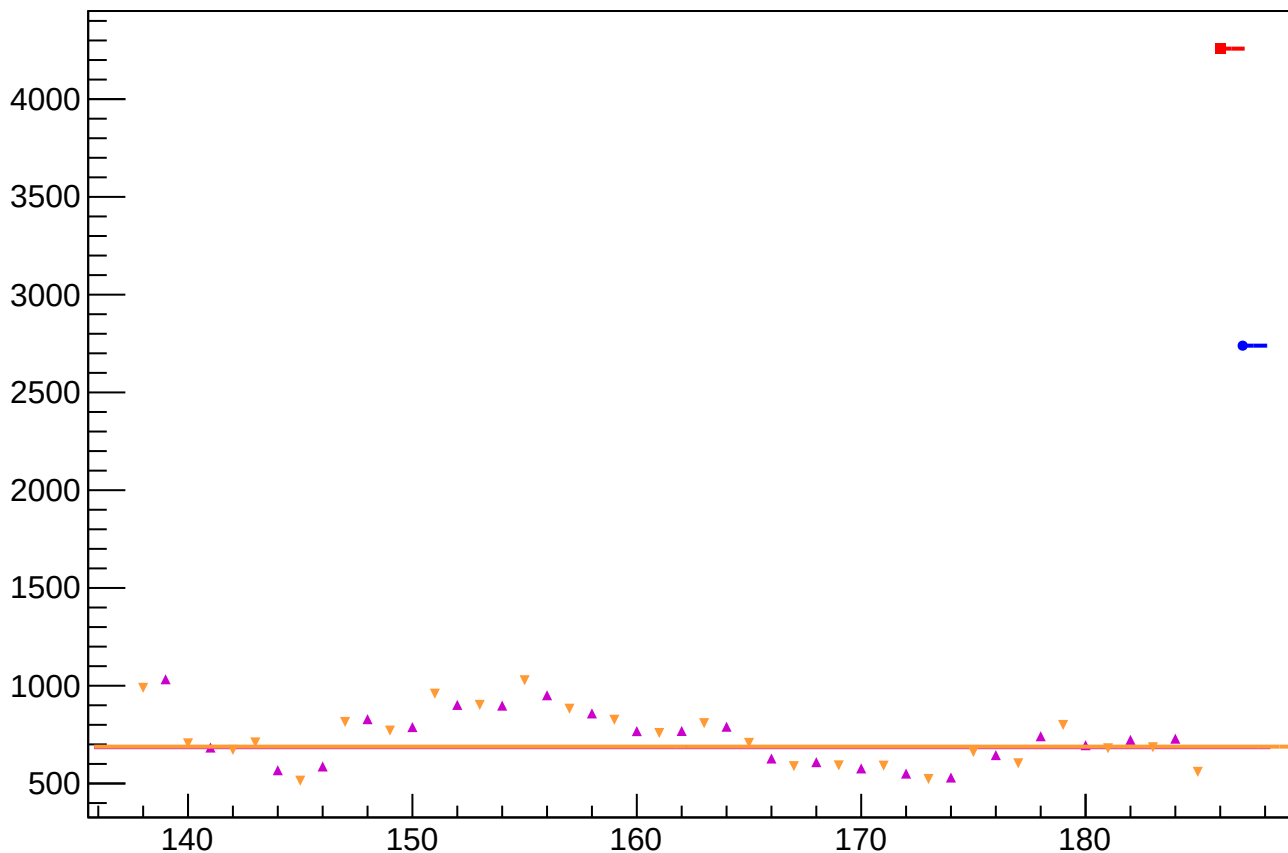
Right: -4413.686 $\pm$ 4954.748 χ^2 /NDF: 0.6/1

In: 127.042 $\pm$ 166.262 χ^2 /NDF:22.8/23

Out: -817.111 $\pm$ 164.057 χ^2 /NDF:67.3/25

All: -351.339 $\pm$ 116.777 χ^2 /NDF: 106.4/49

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 2739.191+/-4.985 χ^2/NDF : 0.0/0

Left Out: 688.513+/-0.116 χ^2/NDF :1287701.8/24

Right Out: 4258.237+/-4.925 χ^2/NDF : 0.0/0

Left In: 685.733+/-0.118 χ^2/NDF :1156263.7/22

Left: 687.142+/-0.083 χ^2/NDF : 2444248.5/47

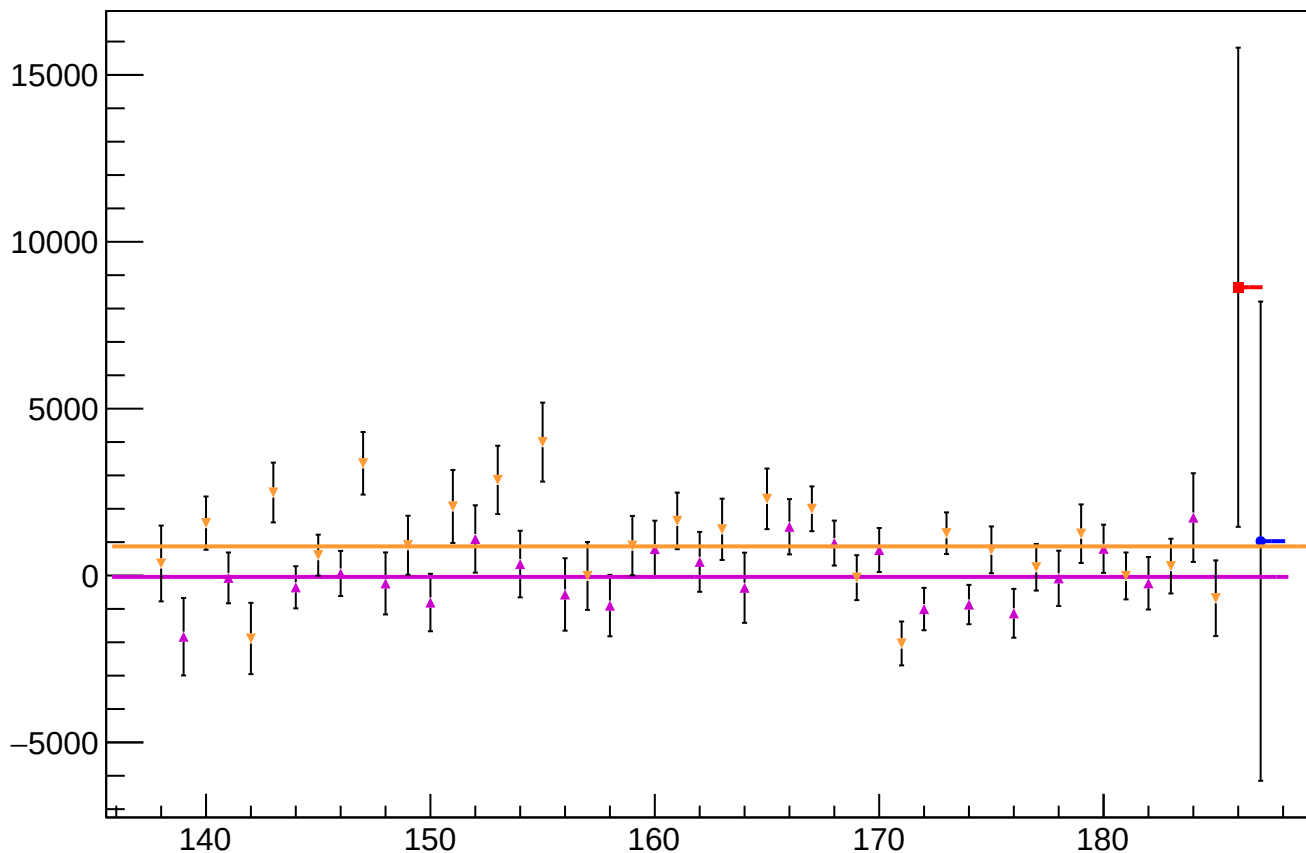
Right: 3507.858+/-3.504 χ^2/NDF : 46990.1/1

In: 686.876+/-0.118 χ^2/NDF :1325863.9/23

Out: 690.493+/-0.116 χ^2/NDF :1812730.1/25

All: 688.709+/-0.083 χ^2/NDF : 3139073.7/49

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 1029.252 $\pm$ 7179.977 χ^2 /NDF: 0.0/0

Left Out: 873.446 $\pm$ 164.269 χ^2 /NDF:64.1/24

Right Out: 8638.169 $\pm$ 7178.781 χ^2 /NDF: 0.0/0

Left In: -41.522 $\pm$ 166.728 χ^2 /NDF:24.1/22

Left: 422.759 $\pm$ 117.015 χ^2 /NDF: 103.5/47

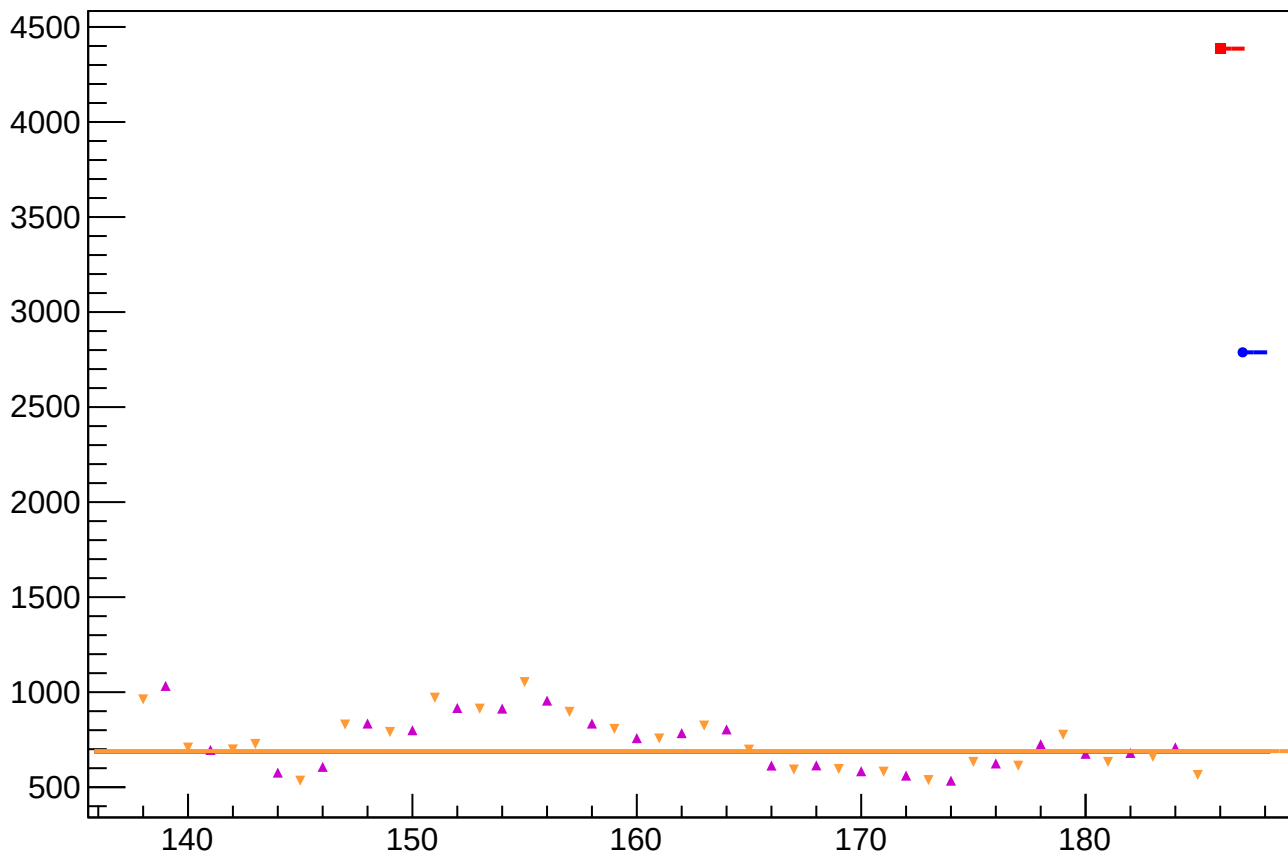
Right: 4834.344 $\pm$ 5076.588 χ^2 /NDF: 0.6/1

In: -40.945 $\pm$ 166.683 χ^2 /NDF:24.1/23

Out: 877.510 $\pm$ 164.226 χ^2 /NDF:65.3/25

All: 425.102 $\pm$ 116.984 χ^2 /NDF: 104.8/49

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 2788.062+/-5.077 χ^2/NDF : 0.0/0

Left Out: 689.767+/-0.116 χ^2/NDF :1258608.7/24

Right Out: 4386.042+/-5.076 χ^2/NDF : 0.0/0

Left In: 686.944+/-0.118 χ^2/NDF :1116042.4/22

Left: 688.376+/-0.083 χ^2/NDF : 2374942.1/47

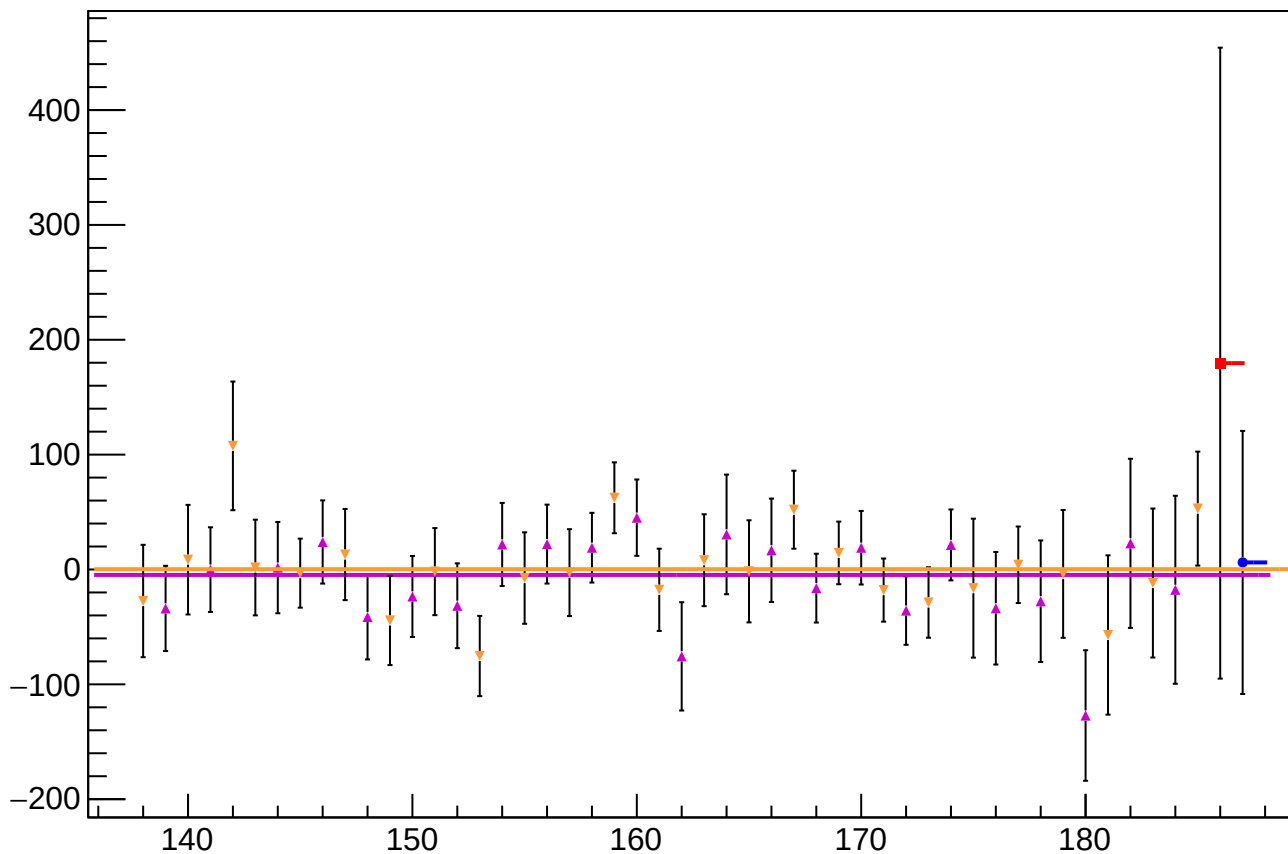
Right: 3587.185+/-3.590 χ^2/NDF : 49541.5/1

In: 688.076+/-0.118 χ^2/NDF :1287221.5/23

Out: 691.701+/-0.116 χ^2/NDF :1788552.5/25

All: 689.915+/-0.083 χ^2/NDF : 3076253.9/49

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 6.142 ± 114.514 χ^2/NDF : 0.0/0

Left Out: 0.254 ± 7.690 χ^2/NDF : 20.4/24

Right Out: 179.642 ± 274.680 χ^2/NDF : 0.0/0

Left In: -4.745 ± 7.976 χ^2/NDF : 17.9/22

Left: -2.154 ± 5.536 χ^2/NDF : 38.5/47

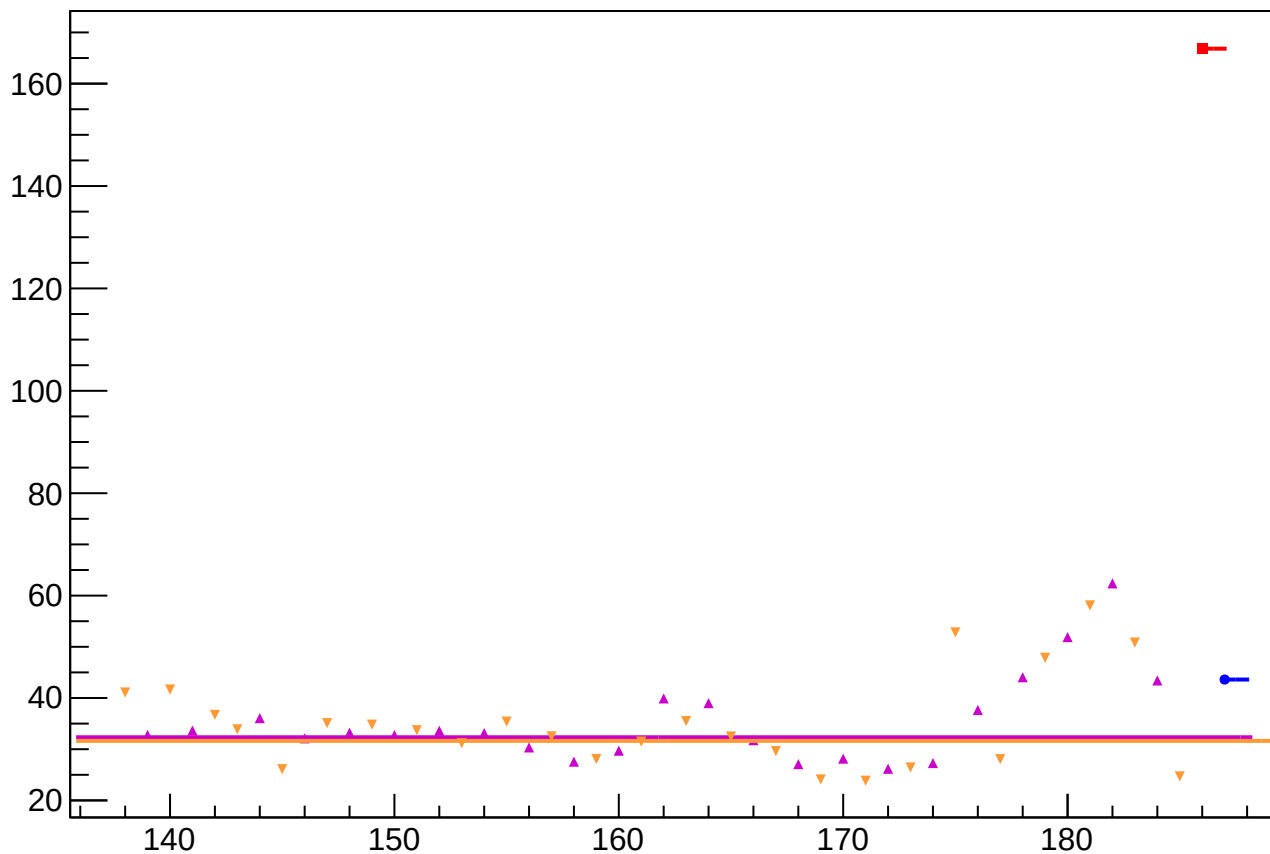
Right: 31.832 ± 105.696 χ^2/NDF : 0.3/1

In: -4.693 ± 7.957 χ^2/NDF : 17.9/23

Out: 0.395 ± 7.687 χ^2/NDF : 20.8/25

All: -2.061 ± 5.528 χ^2/NDF : 38.9/49

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 43.608 $\pm$ 0.081 χ^2 /NDF: 0.0/0

Left Out: 31.624 $\pm$ 0.005 χ^2 /NDF:1673431.1/24

Right Out: 166.829 $\pm$ 0.194 χ^2 /NDF: 0.0/0

Left In: 32.331 $\pm$ 0.006 χ^2 /NDF:1141501.0/22

Left: 31.965 $\pm$ 0.004 χ^2 /NDF: 2823070.9/47

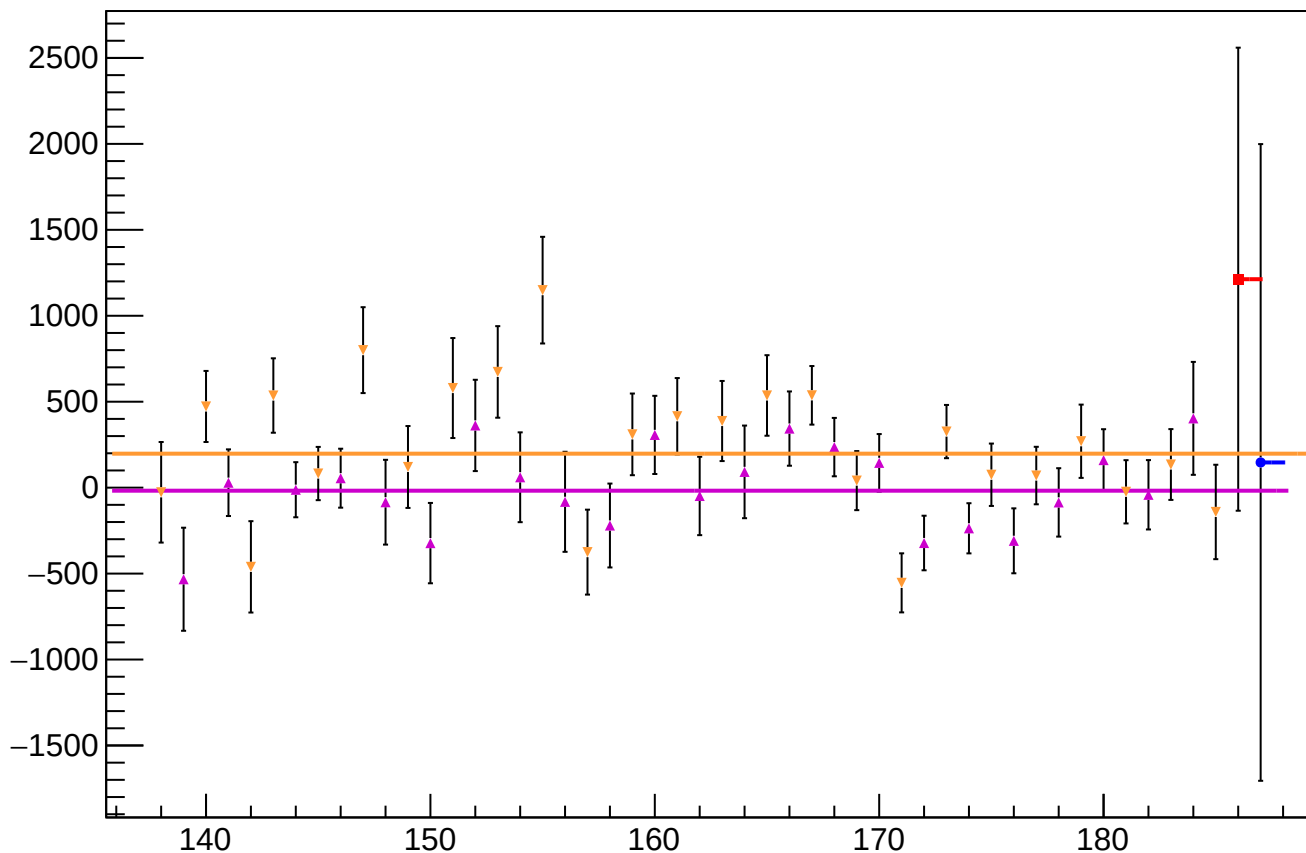
Right: 61.853 $\pm$ 0.075 χ^2 /NDF: 342887.6/1

In: 32.386 $\pm$ 0.006 χ^2 /NDF:1160802.7/23

Out: 31.730 $\pm$ 0.005 χ^2 /NDF:2157627.2/25

All: 32.047 $\pm$ 0.004 χ^2 /NDF: 3325447.0/49

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 146.623 $\pm$ 1852.132 χ^2 /NDF: 0.0/0

Left Out: 197.682 $\pm$ 41.831 χ^2 /NDF:69.9/24

Right Out: 1212.749 $\pm$ 1346.998 χ^2 /NDF: 0.0/0

Left In: -17.742 $\pm$ 42.576 χ^2 /NDF:27.1/22

Left: 91.870 $\pm$ 29.839 χ^2 /NDF: 110.0/47

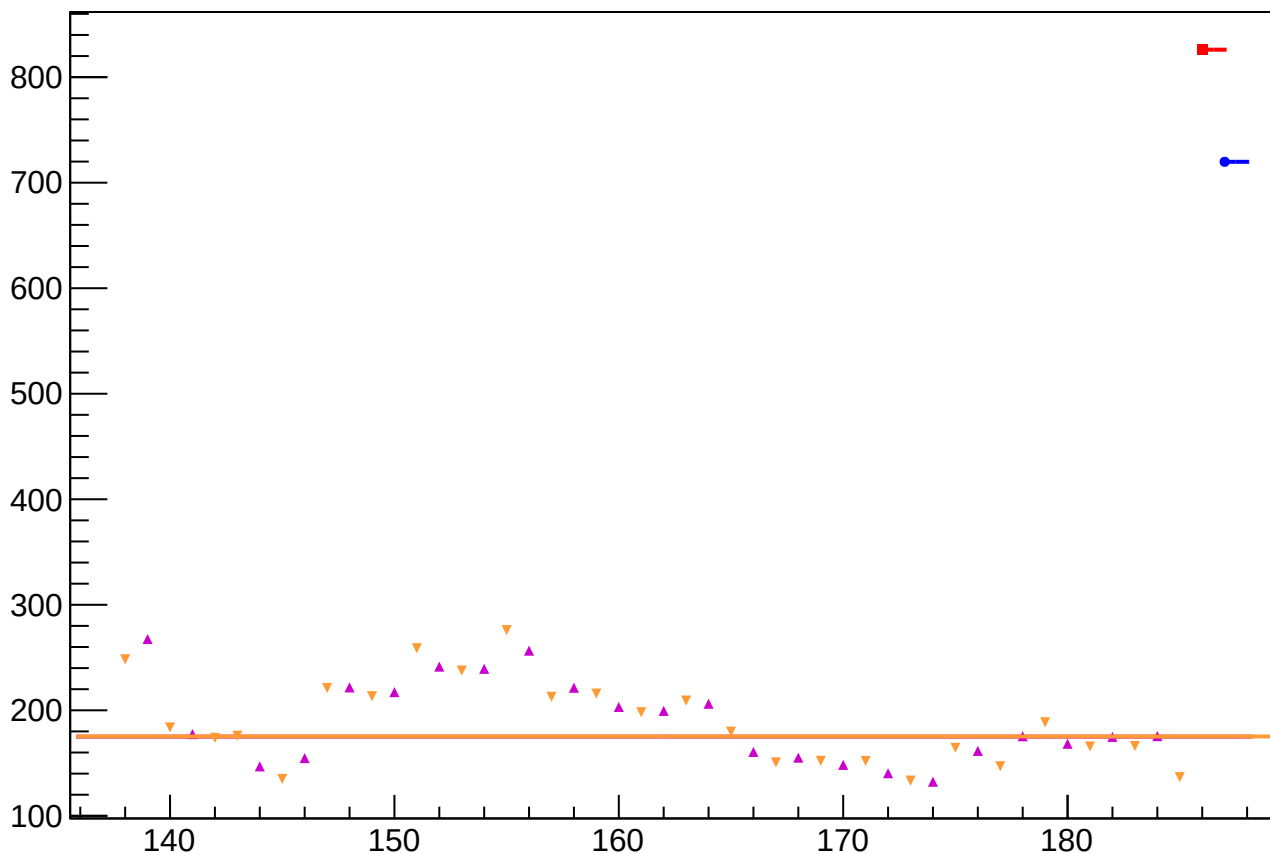
Right: 843.930 $\pm$ 1089.368 χ^2 /NDF: 0.2/1

In: -17.655 $\pm$ 42.565 χ^2 /NDF:27.1/23

Out: 198.660 $\pm$ 41.811 χ^2 /NDF:70.4/25

All: 92.434 $\pm$ 29.828 χ^2 /NDF: 110.7/49

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 719.784+/-1.310 χ^2/NDF : 0.0/0

Left Out: 175.207+/-0.030 χ^2/NDF :1418225.0/24

Right Out: 826.050+/-0.952 χ^2/NDF : 0.0/0

Left In: 175.051+/-0.030 χ^2/NDF :1339755.1/22

Left: 175.130+/-0.021 χ^2/NDF : 2757993.8/47

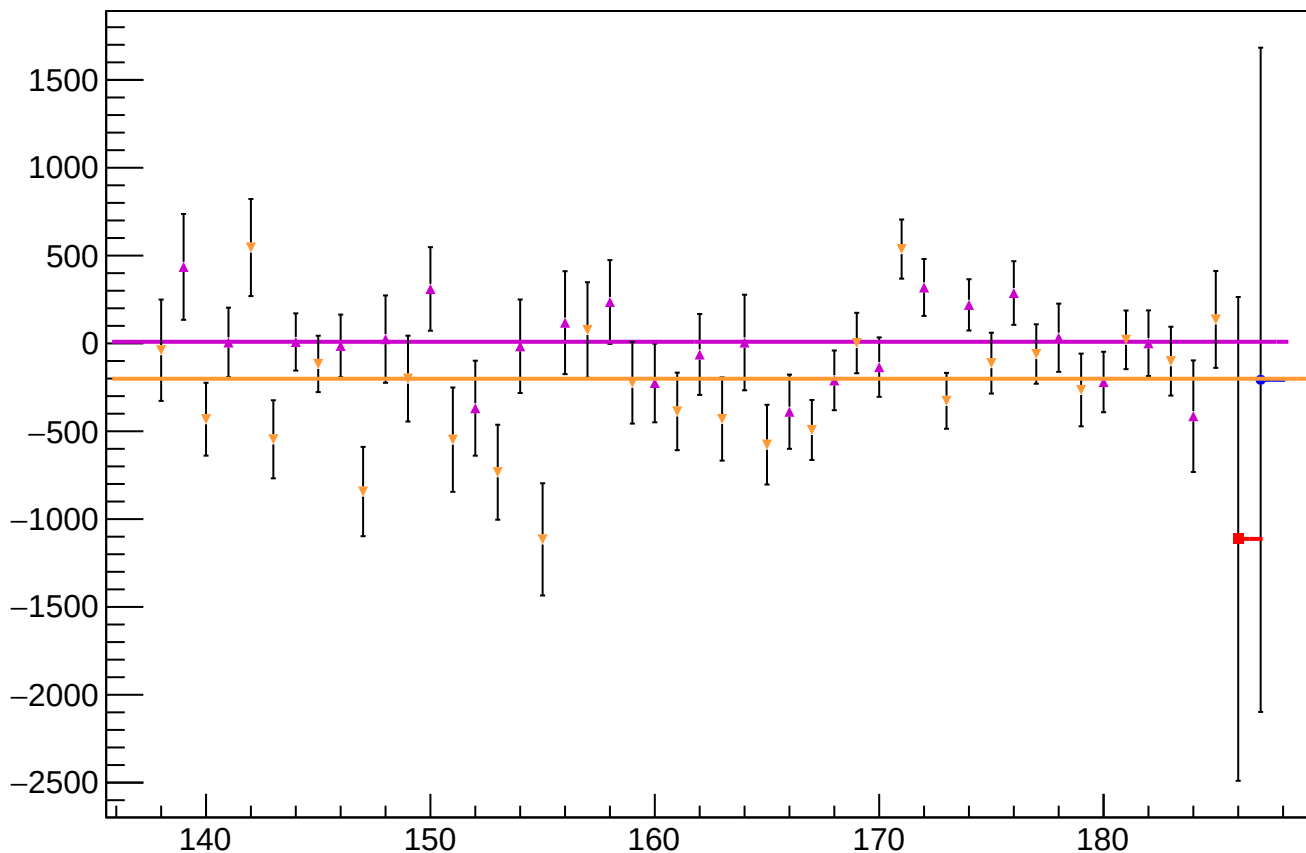
Right: 789.288+/-0.770 χ^2/NDF : 4306.2/1

In: 175.339+/-0.030 χ^2/NDF :1512666.5/23

Out: 175.834+/-0.030 χ^2/NDF :1884701.3/25

All: 175.591+/-0.021 χ^2/NDF : 3397505.8/49

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -207.026 $\pm$ 1890.566 χ^2 /NDF: 0.0/0

Left Out: -200.930 $\pm$ 41.741 χ^2 /NDF:65.5/24

Right Out: -1112.654 $\pm$ 1376.970 χ^2 /NDF: 0.0/0

Left In: 9.384 $\pm$ 42.437 χ^2 /NDF:25.4/22

Left: -97.511 $\pm$ 29.758 χ^2 /NDF: 103.4/47

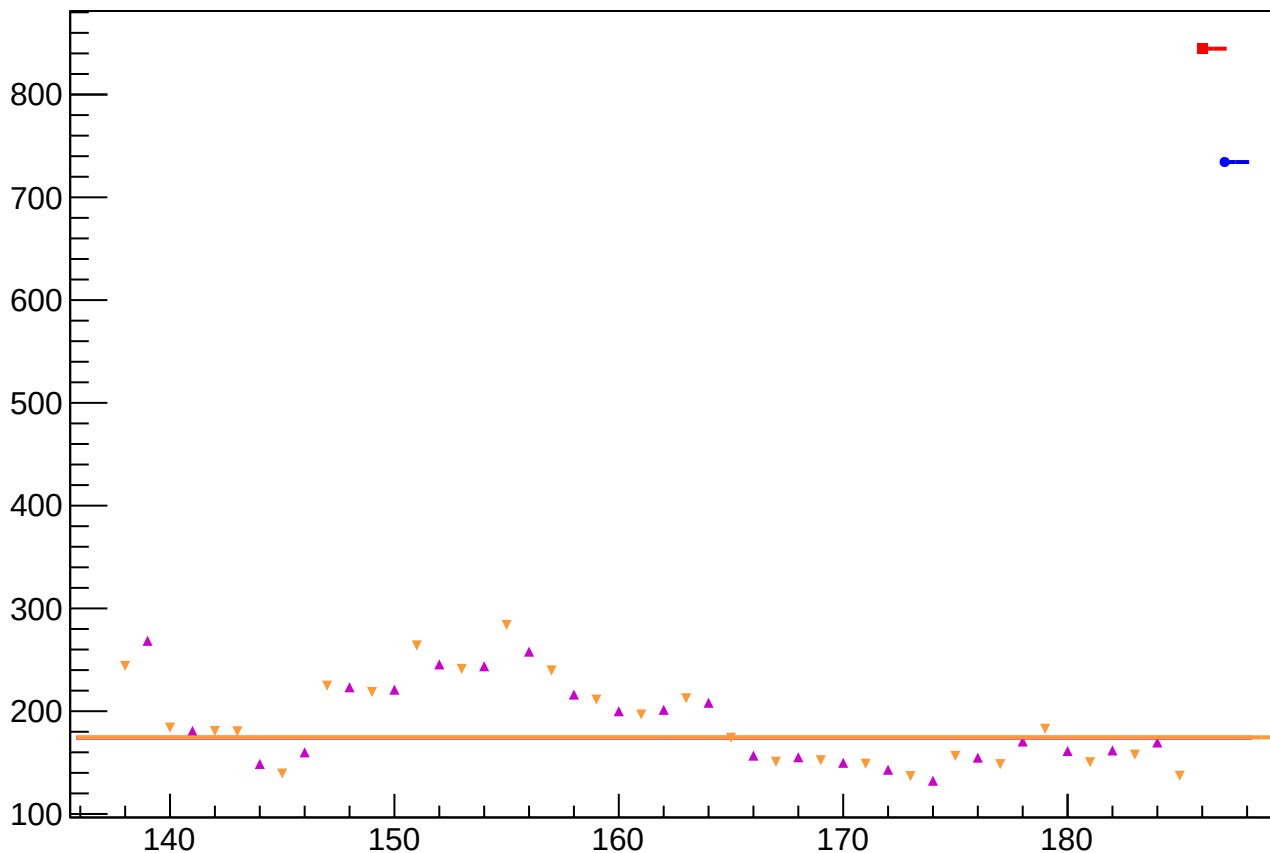
Right: -798.756 $\pm$ 1113.041 χ^2 /NDF: 0.1/1

In: 9.275 $\pm$ 42.426 χ^2 /NDF:25.4/23

Out: -201.767 $\pm$ 41.722 χ^2 /NDF:65.9/25

All: -98.012 $\pm$ 29.748 χ^2 /NDF: 103.9/49

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 734.330+/-1.337 χ^2/NDF : 0.0/0

Left Out: 174.567+/-0.030 χ^2/NDF :1532900.3/24

Right Out: 844.622+/-0.974 χ^2/NDF : 0.0/0

Left In: 174.217+/-0.030 χ^2/NDF :1364600.9/22

Left: 174.395+/-0.021 χ^2/NDF : 2897570.3/47

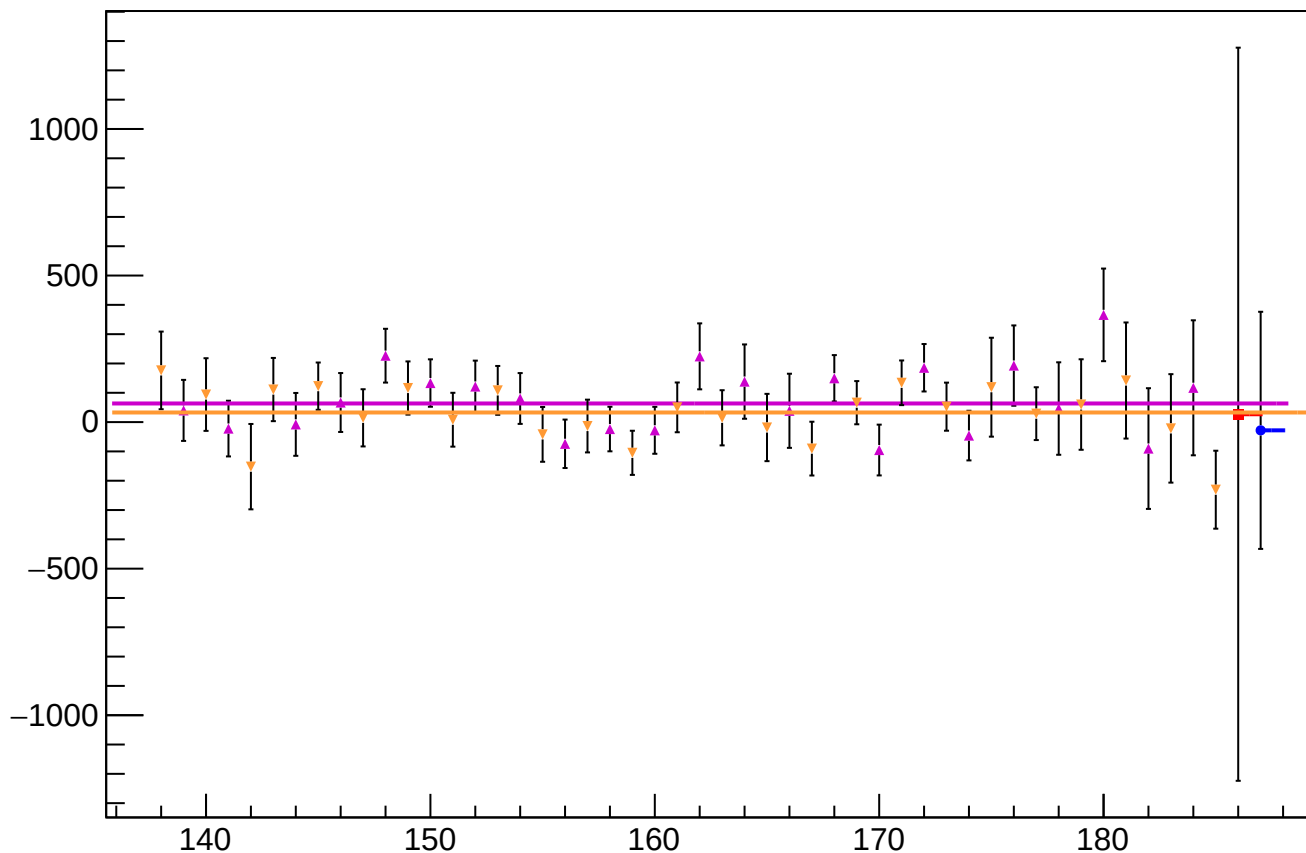
Right: 806.394+/-0.787 χ^2/NDF : 4447.4/1

In: 174.499+/-0.030 χ^2/NDF :1540061.3/23

Out: 175.182+/-0.030 χ^2/NDF :2006055.6/25

All: 174.846+/-0.021 χ^2/NDF : 3546380.3/49

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -28.121 ± 404.486 χ^2/NDF : 0.0/0

Left Out: 32.793 ± 19.705 χ^2/NDF : 19.5/24

Right Out: 26.835 ± 1250.577 χ^2/NDF : 0.0/0

Left In: 63.566 ± 20.573 χ^2/NDF : 27.2/22

Left: 47.517 ± 14.231 χ^2/NDF : 47.9/47

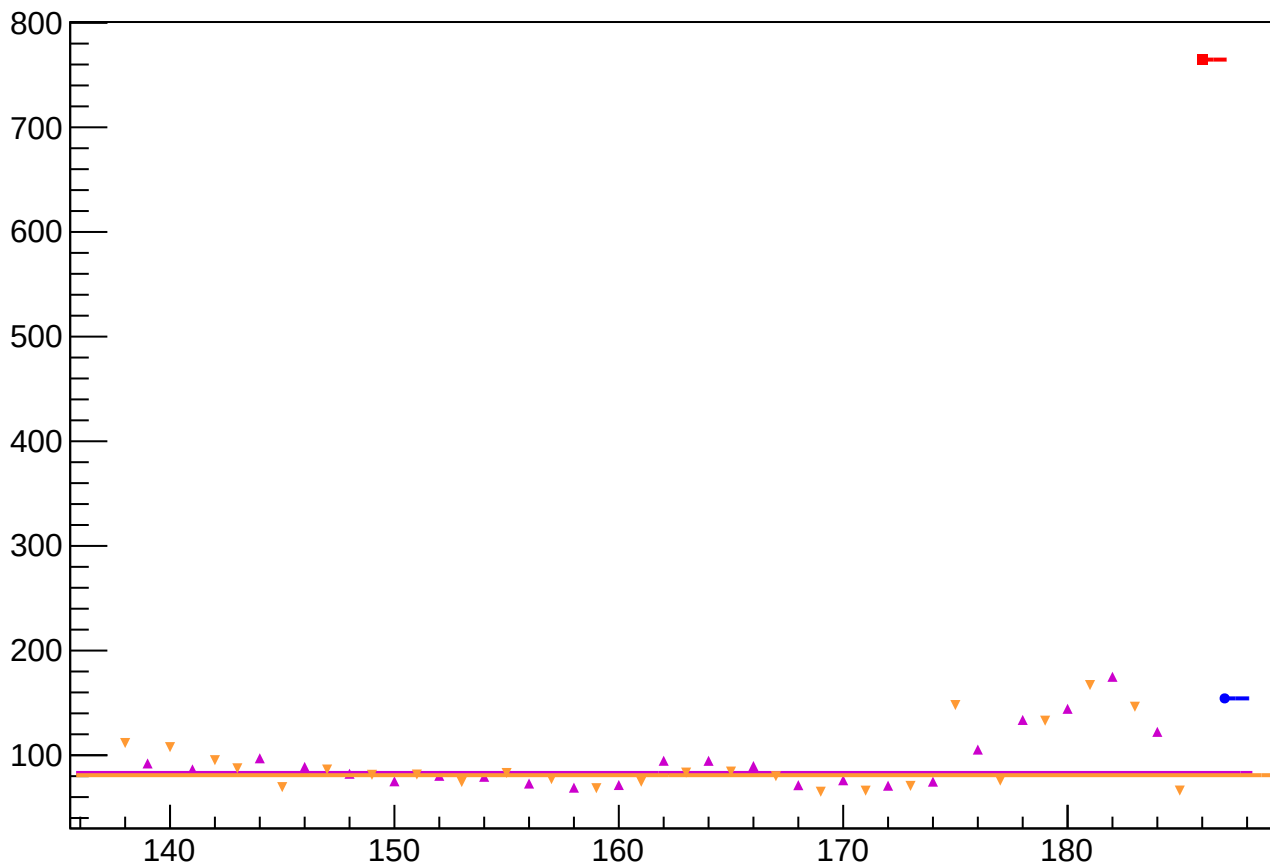
Right: -22.916 ± 384.856 χ^2/NDF : 0.0/1

In: 63.329 ± 20.547 χ^2/NDF : 27.2/23

Out: 32.792 ± 19.703 χ^2/NDF : 19.5/25

All: 47.421 ± 14.221 χ^2/NDF : 47.9/49

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 154.310 $\pm$ 0.286 χ^2 /NDF: 0.0/0

Left Out: 80.926 $\pm$ 0.014 χ^2 /NDF:1760910.0/24

Right Out: 764.705 $\pm$ 0.884 χ^2 /NDF: 0.0/0

Left In: 83.071 $\pm$ 0.015 χ^2 /NDF:1405124.8/22

Left: 81.952 $\pm$ 0.010 χ^2 /NDF: 3177364.3/47

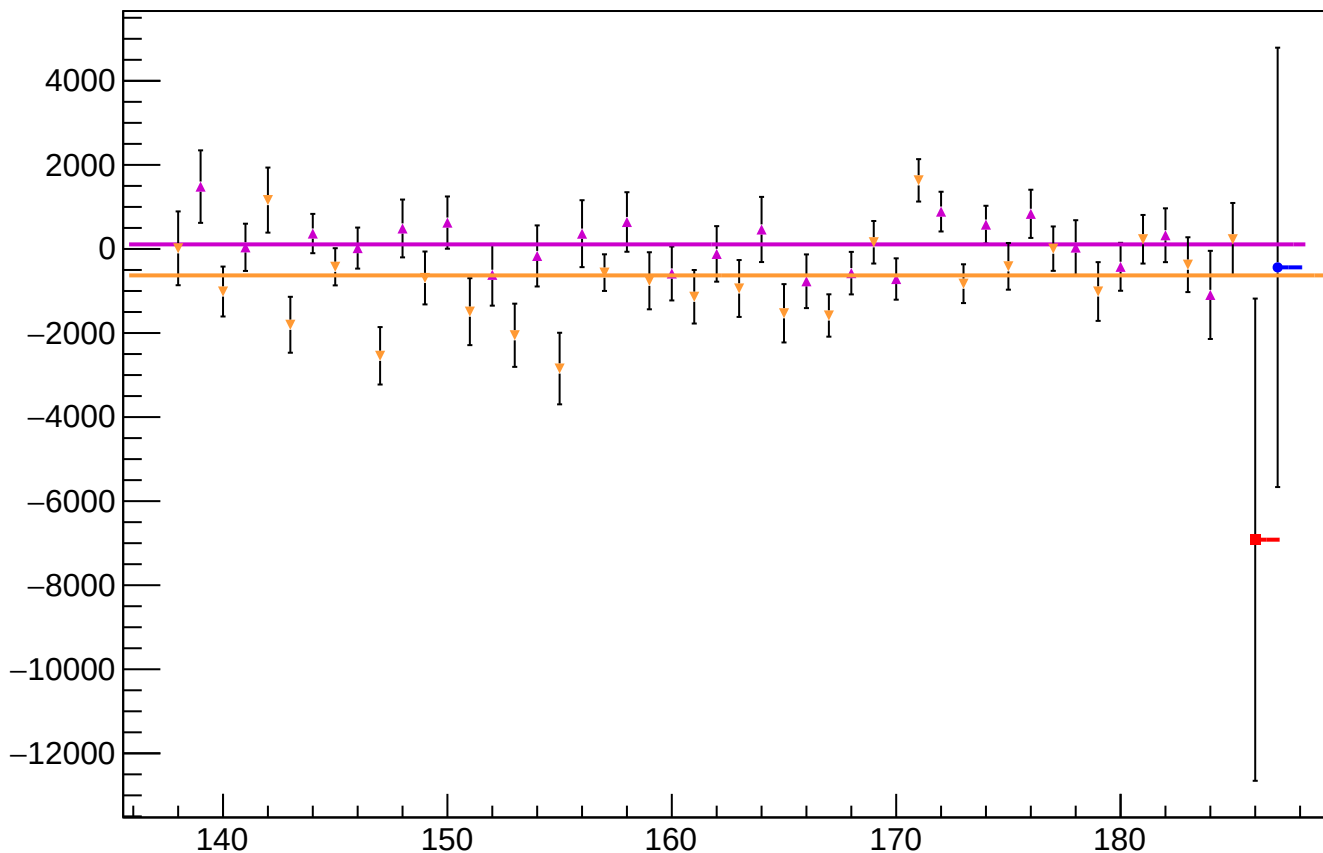
Right: 212.118 $\pm$ 0.272 χ^2 /NDF: 431341.2/1

In: 83.254 $\pm$ 0.015 χ^2 /NDF:1467003.3/23

Out: 81.096 $\pm$ 0.014 χ^2 /NDF:2358677.4/25

All: 82.130 $\pm$ 0.010 χ^2 /NDF: 3837176.5/49

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -437.935+/-5226.879 χ^2/NDF : 0.0/0

Left Out: -629.005+/-120.608 χ^2/NDF : 63.2/24

Right Out: -6916.957+/-5736.411 χ^2/NDF : 0.0/0

Left In: 108.821+/-125.527 χ^2/NDF : 21.4/22

Left: -274.832+/-86.970 χ^2/NDF : 102.6/47

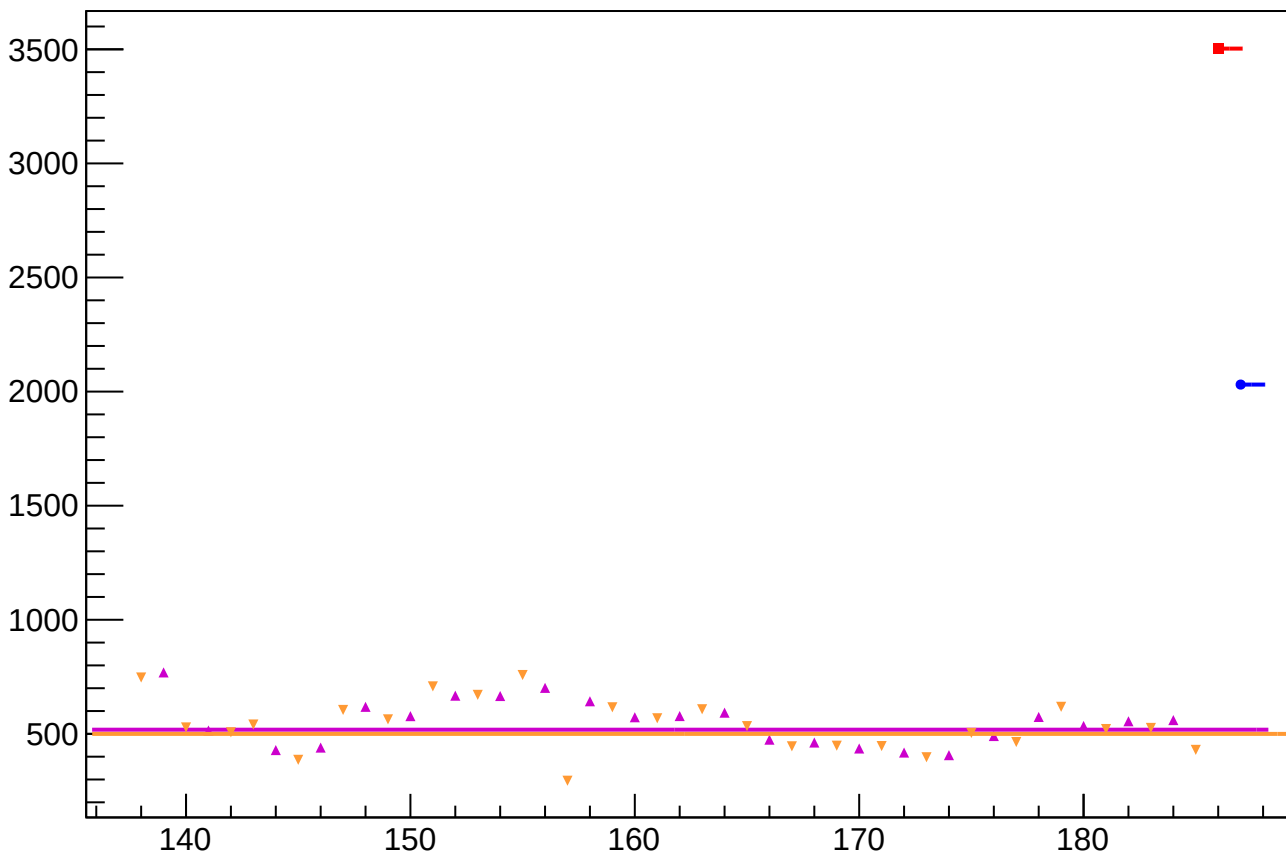
Right: -3376.975+/-3863.565 χ^2/NDF : 0.7/1

In: 108.506+/-125.491 χ^2/NDF : 21.4/23

Out: -631.783+/-120.581 χ^2/NDF : 64.4/25

All: -276.404+/-86.948 χ^2/NDF : 103.9/49

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 2030.722+/-3.696 χ^2/NDF : 0.0/0

Left Out: 499.813+/-0.085 χ^2/NDF :1626530.8/24

Right Out: 3503.178+/-4.056 χ^2/NDF : 0.0/0

Left In: 518.244+/-0.089 χ^2/NDF :1071993.3/22

Left: 508.660+/-0.061 χ^2/NDF : 2720944.9/47

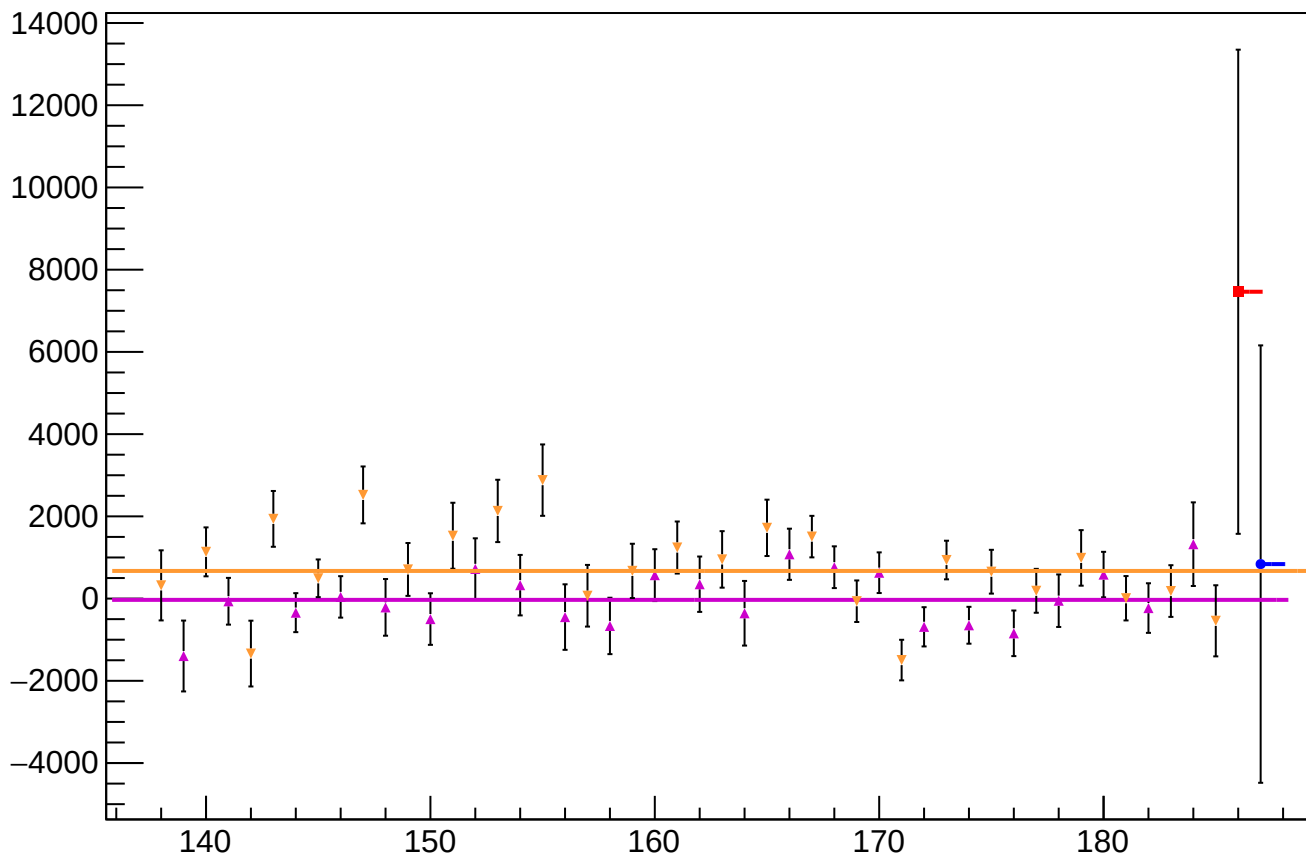
Right: 2698.663+/-2.732 χ^2/NDF : 71998.9/1

In: 519.116+/-0.089 χ^2/NDF :1239361.4/23

Out: 501.140+/-0.085 χ^2/NDF :2174522.4/25

All: 509.770+/-0.061 χ^2/NDF : 3435221.7/49

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 839.132 $\pm$ 5319.599 χ^2 /NDF: 0.0/0

Left Out: 672.498 $\pm$ 123.428 χ^2 /NDF:62.8/24

Right Out: 7463.380 $\pm$ 5887.982 χ^2 /NDF: 0.0/0

Left In: -31.056 $\pm$ 125.236 χ^2 /NDF:23.8/22

Left: 325.838 $\pm$ 87.909 χ^2 /NDF: 102.6/47

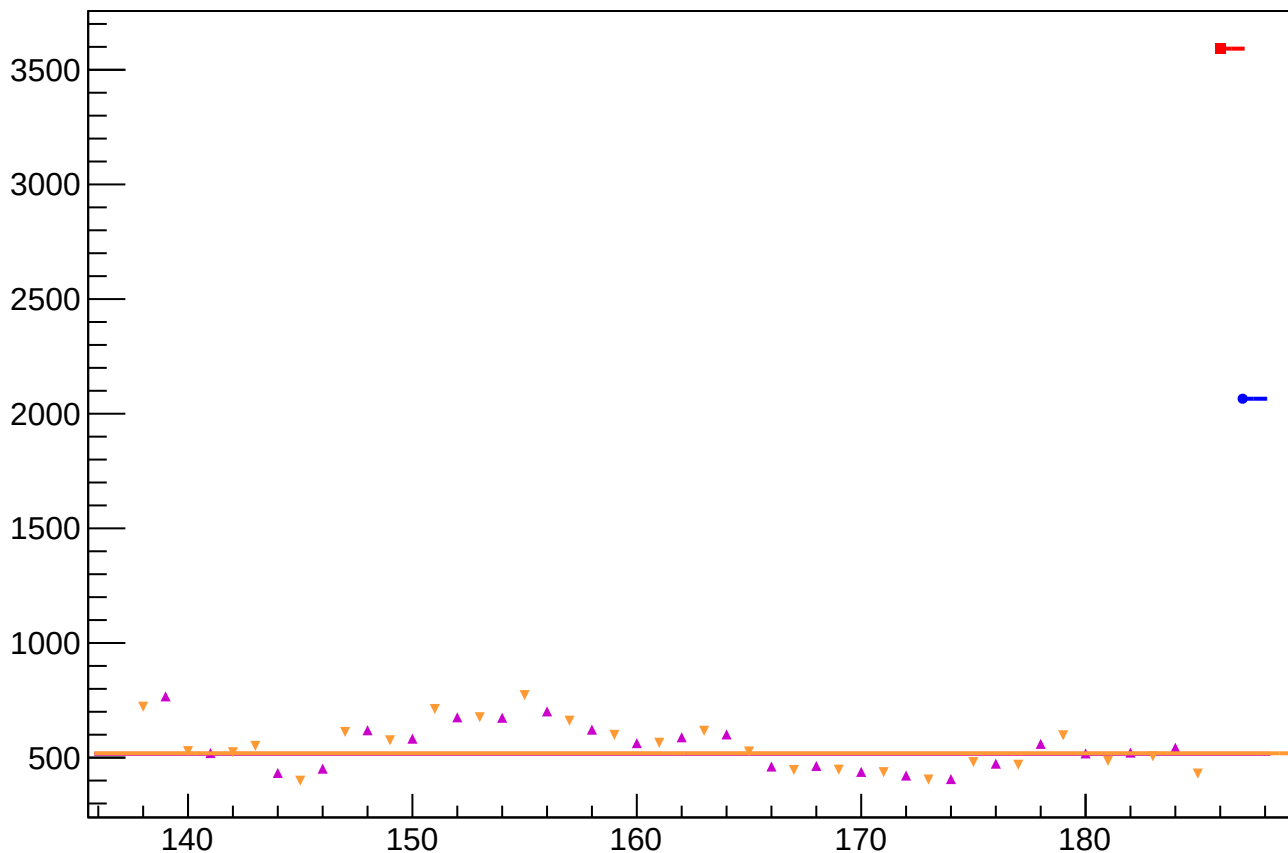
Right: 3816.175 $\pm$ 3947.214 χ^2 /NDF: 0.7/1

In: -30.574 $\pm$ 125.202 χ^2 /NDF:23.9/23

Out: 675.481 $\pm$ 123.401 χ^2 /NDF:64.1/25

All: 327.568 $\pm$ 87.887 χ^2 /NDF: 104.1/49

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 2065.356+/-3.762 χ^2/NDF : 0.0/0

Left Out: 518.935+/-0.087 χ^2/NDF :1172613.9/24

Right Out: 3592.334+/-4.163 χ^2/NDF : 0.0/0

Left In: 516.594+/-0.089 χ^2/NDF :1036092.8/22

Left: 517.782+/-0.062 χ^2/NDF : 2209061.2/47

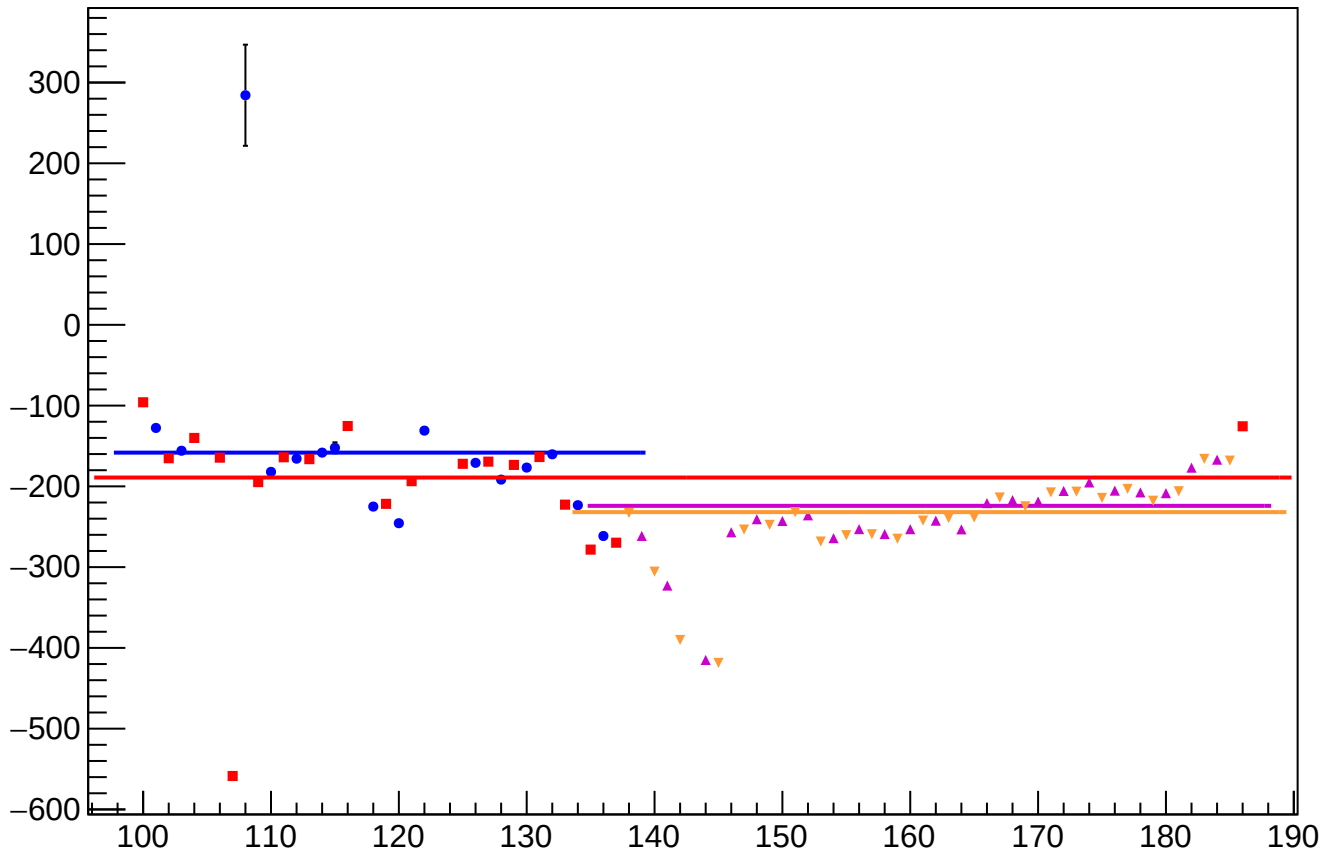
Right: 2751.604+/-2.791 χ^2/NDF : 74060.5/1

In: 517.452+/-0.089 χ^2/NDF :1205526.8/23

Out: 520.285+/-0.087 χ^2/NDF :1717297.4/25

All: 518.889+/-0.062 χ^2/NDF : 2923343.7/49

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222±/0.000 χ^2/NDF : 117166.2/15

Left Out: -231.902±/0.108 χ^2/NDF :110473.4/23

Right Out: -189.071±/0.159 χ^2/NDF : 189641.5/18

Left In: -224.103±/0.098 χ^2/NDF :153347.0/22

Left: -227.631±/0.073 χ^2/NDF : 266668.8/46

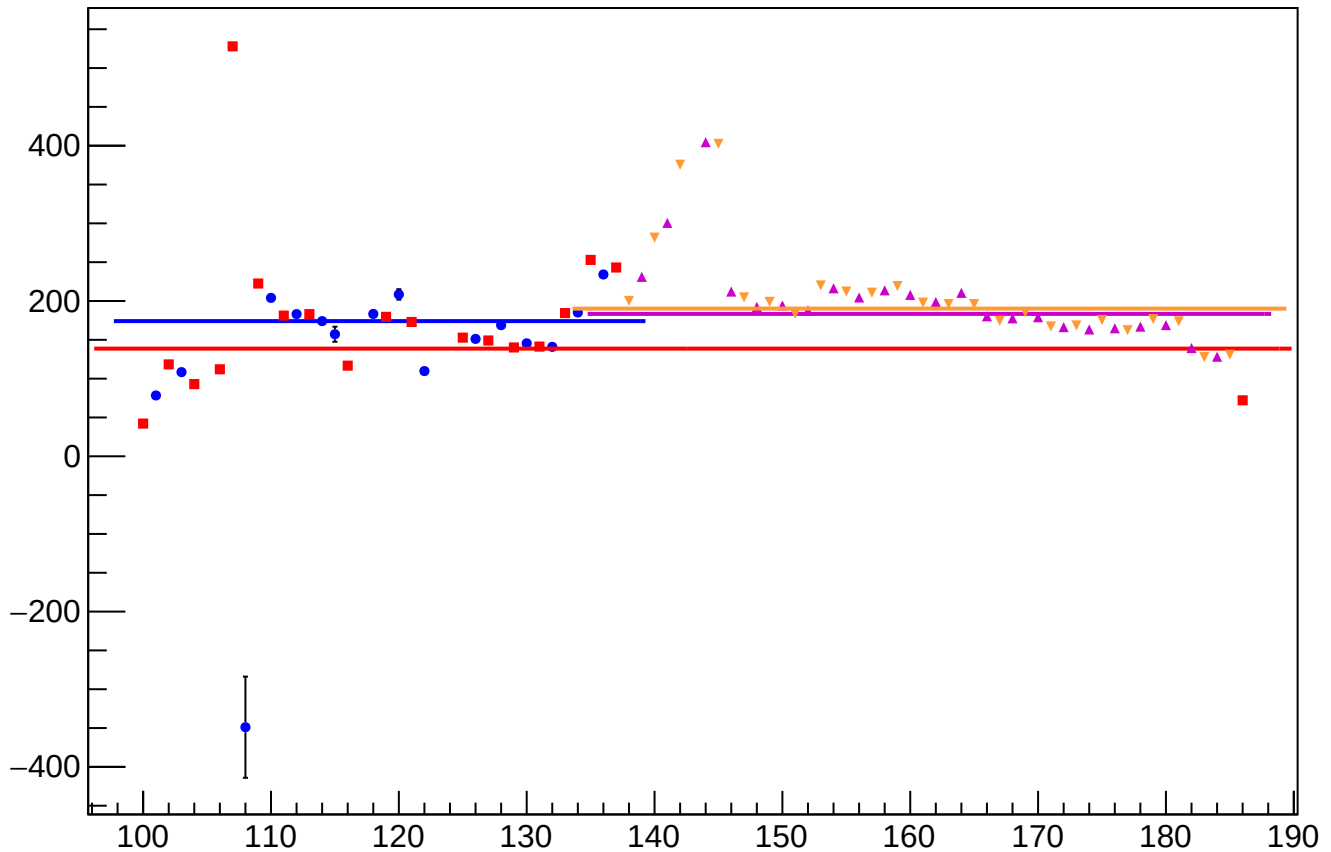
Right: -158.222±/0.000 χ^2/NDF : 344561.5/34

In: -158.222±/0.000 χ^2/NDF :719836.9/38

Out: -218.328±/0.089 χ^2/NDF :349825.4/42

All: -158.222±/0.000 χ^2/NDF : 1521869.2/81

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 53377.4/15

Left Out: 190.208 $\pm$ 0.109 χ^2 /NDF: 99613.5/23

Right Out: 138.666 $\pm$ 0.181 χ^2 /NDF: 190818.2/18

Left In: 183.362 $\pm$ 0.099 χ^2 /NDF: 155441.6/22

Left: 186.466 $\pm$ 0.073 χ^2 /NDF: 257224.0/46

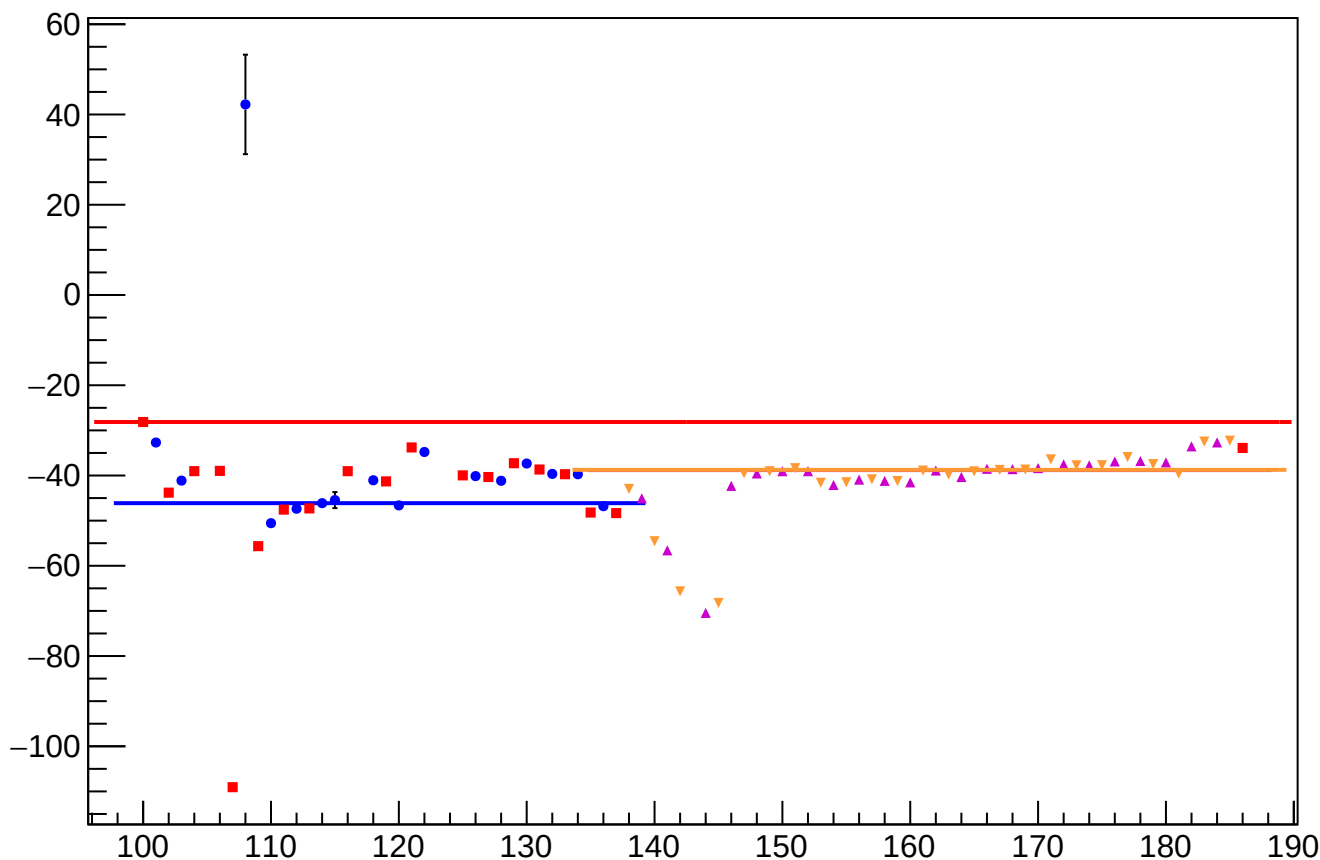
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 282563.8/34

In: 174.085 $\pm$ 0.000 χ^2 /NDF: 217604.9/38

Out: 176.532 $\pm$ 0.093 χ^2 /NDF: 350123.2/42

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 568418.6/81

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126+/-0.000 χ^2/NDF : 201273.7/15

Left Out: -38.745+/-0.006 χ^2/NDF : 400638.0/23

Right Out: -28.139+/-0.000 χ^2/NDF : 757997.9/18

Left In: -38.794+/-0.007 χ^2/NDF : 321993.9/22

Left: -38.767+/-0.004 χ^2/NDF : 722662.8/46

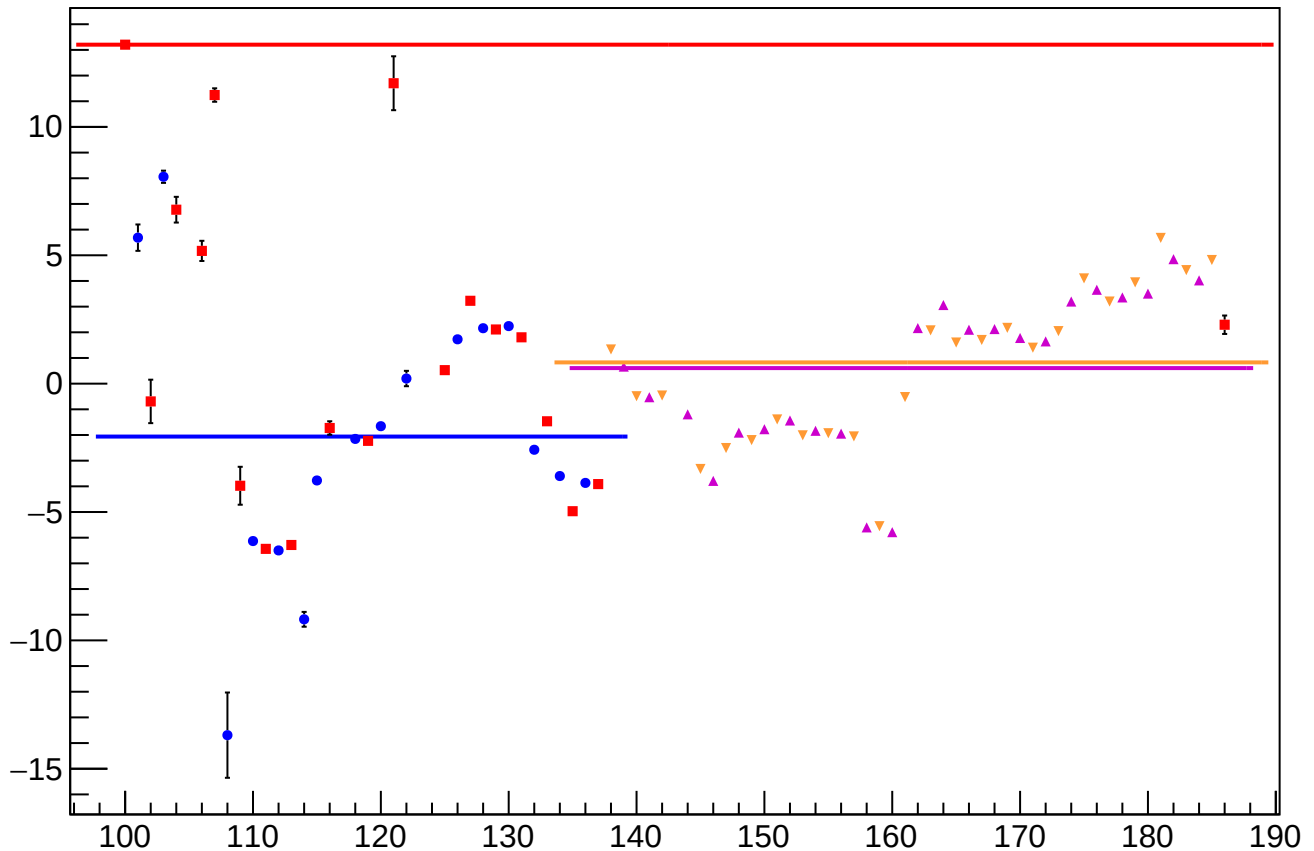
Right: -39.778+/-0.000 χ^2/NDF : 248795993231659

In: -46.126+/-0.000 χ^2/NDF : 1779001.9/38

Out: -28.139+/-0.000 χ^2/NDF : 4415091.3/42

All: -39.778+/-0.000 χ^2/NDF : 248795993231

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -2.061 ± 0.018 χ^2/NDF : 25665.1/15

Left Out: 0.828 ± 0.006 χ^2/NDF : 255303.5/23

Right Out: 13.204 ± 0.000 χ^2/NDF : 510645.0/18

Left In: 0.606 ± 0.005 χ^2/NDF : 331282.7/22

Left: 0.696 ± 0.004 χ^2/NDF : 587368.1/46

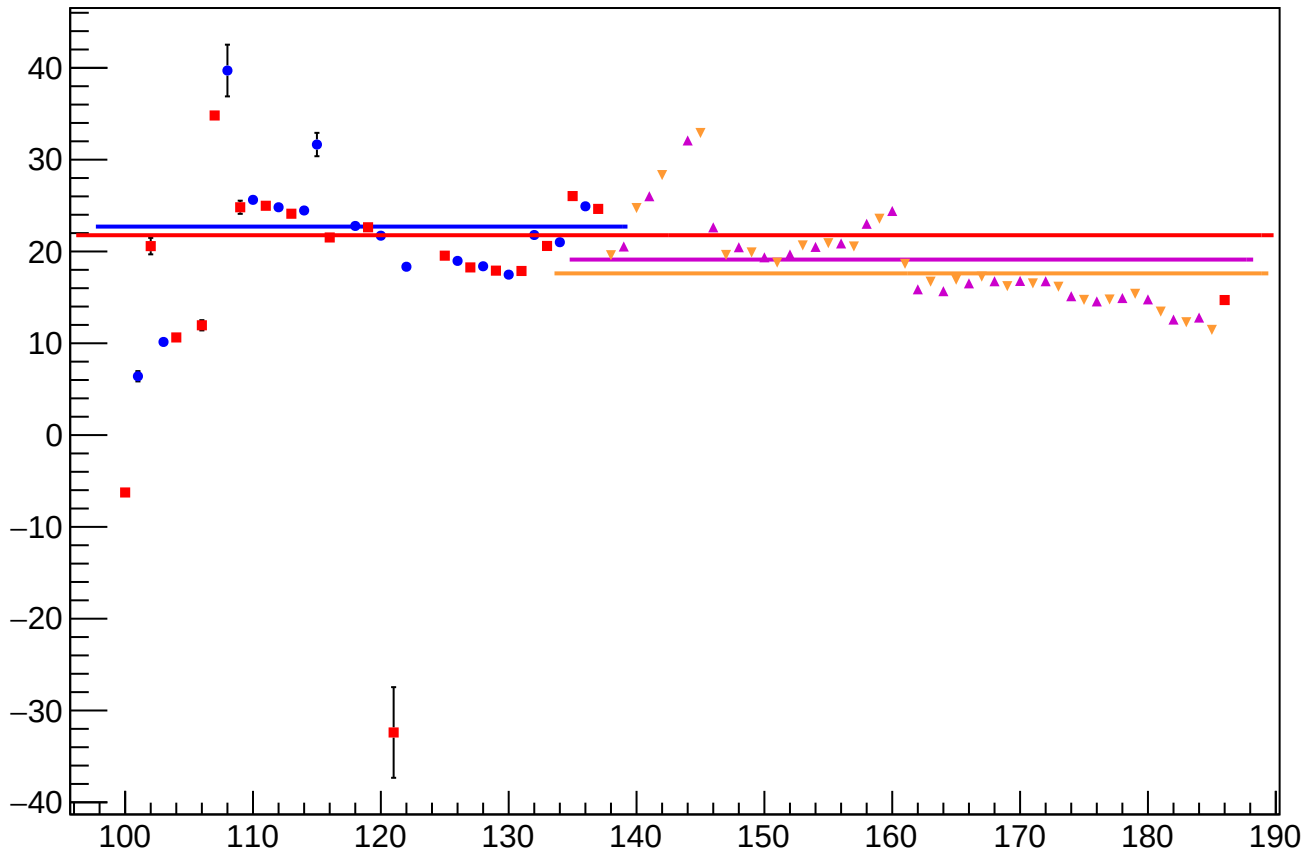
Right: 13.204 ± 0.000 χ^2/NDF : 1269724.6/34

In: 0.407 ± 0.005 χ^2/NDF : 377667.6/38

Out: 13.204 ± 0.000 χ^2/NDF : 4847453.7/42

All: 13.204 ± 0.000 χ^2/NDF : 12158061.3/81

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.711 $\pm$ 0.019 χ^2 /NDF: 22767.9/15

Left Out: 17.613 $\pm$ 0.007 χ^2 /NDF:178438.8/23

Right Out: 21.770 $\pm$ 0.021 χ^2 /NDF: 26985.0/18

Left In: 19.117 $\pm$ 0.007 χ^2 /NDF:229353.0/22

Left: 18.369 $\pm$ 0.005 χ^2 /NDF: 430183.3/46

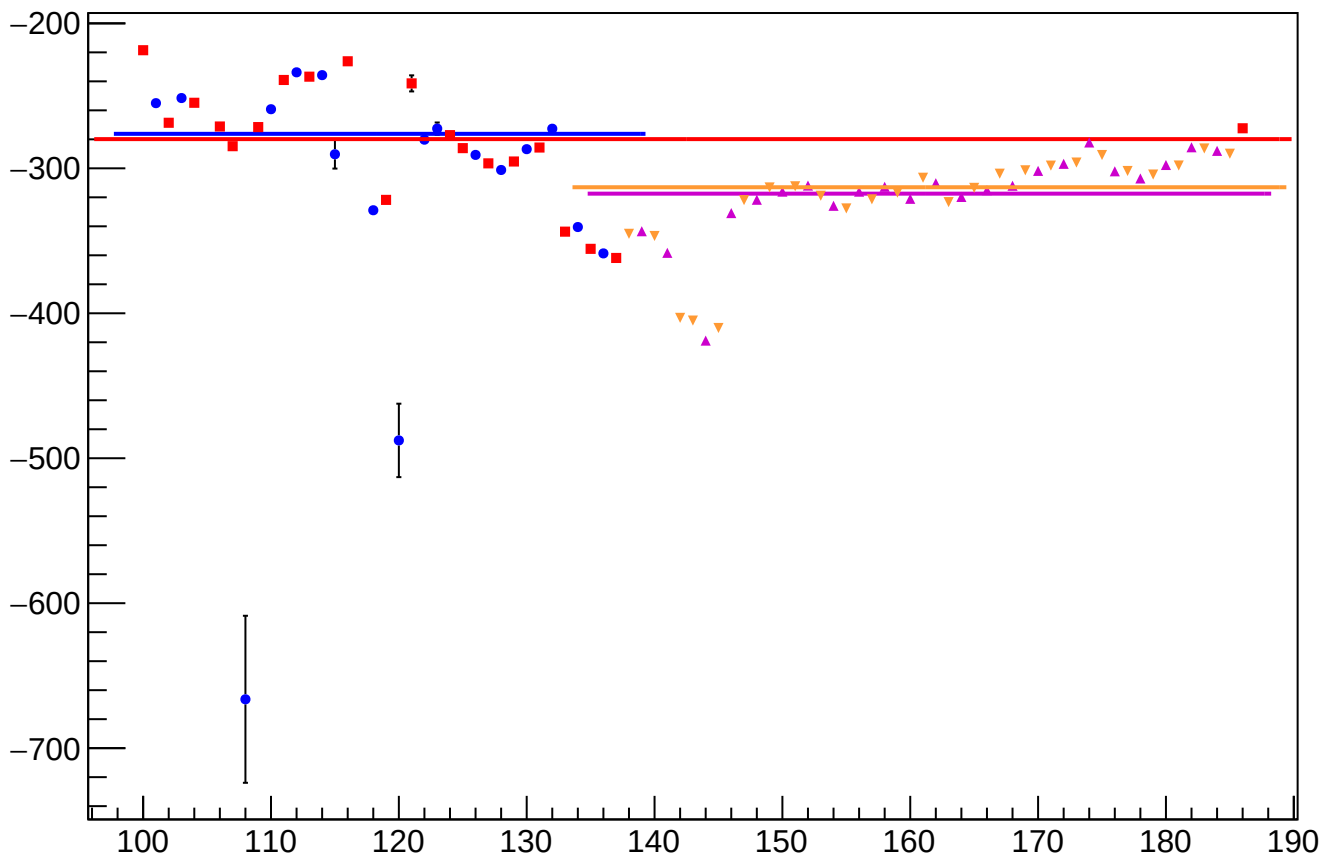
Right: 22.304 $\pm$ 0.014 χ^2 /NDF: 50840.9/34

In: 19.567 $\pm$ 0.007 χ^2 /NDF:284235.8/38

Out: 18.025 $\pm$ 0.007 χ^2 /NDF:239137.2/42

All: 18.811 $\pm$ 0.005 χ^2 /NDF: 549876.2/81

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -276.201 ± 0.167 χ^2/NDF : 58107.7/16

Left Out: -313.052 ± 0.096 χ^2/NDF : 54405.8/24

Right Out: -279.849 ± 0.136 χ^2/NDF : 78136.3/19

Left In: -317.471 ± 0.095 χ^2/NDF : 63067.6/22

Left: -315.276 ± 0.068 χ^2/NDF : 118543.8/47

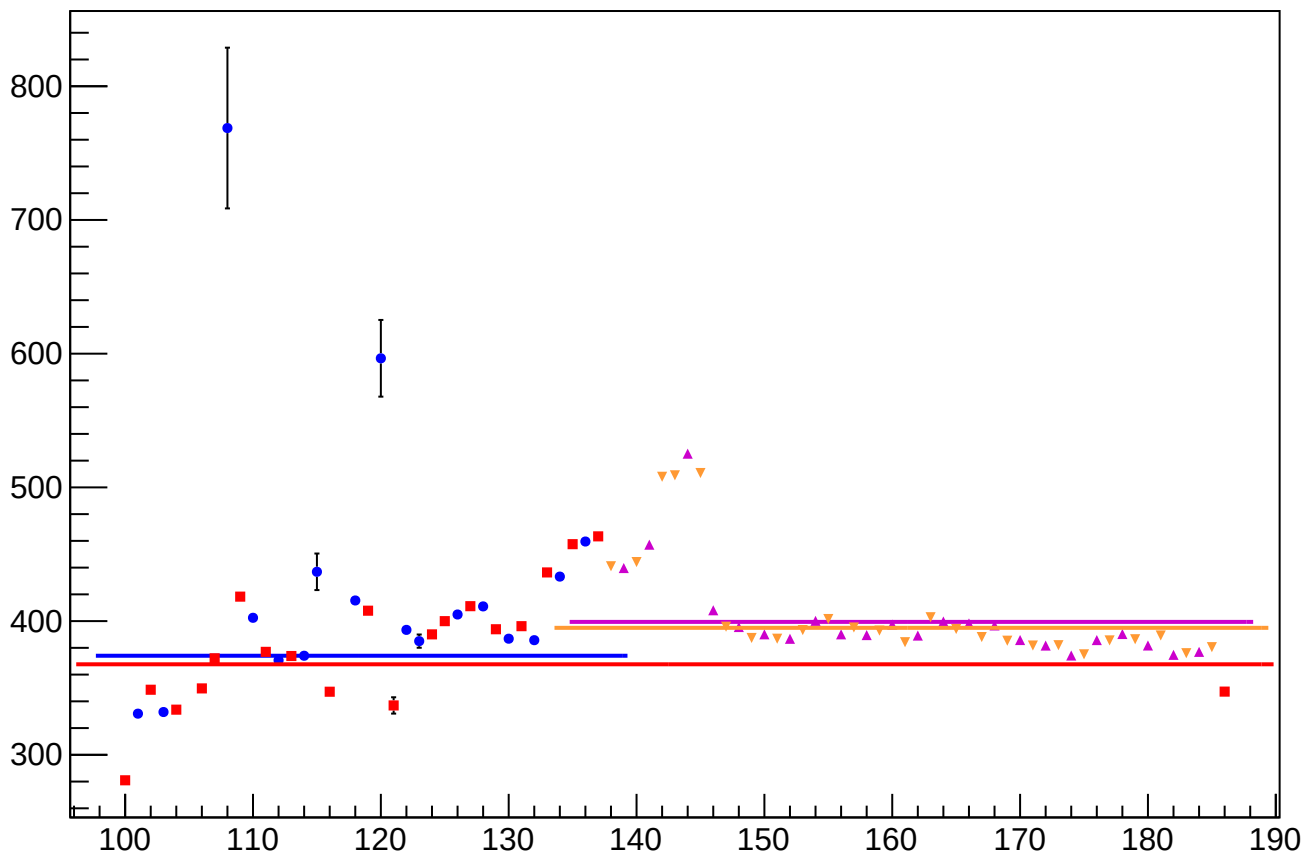
Right: -278.387 ± 0.105 χ^2/NDF : 136531.4/36

In: -307.307 ± 0.083 χ^2/NDF : 167445.8/39

Out: -302.056 ± 0.078 χ^2/NDF : 172299.5/44

All: -304.542 ± 0.057 χ^2/NDF : 341870.7/84

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094 ± 0.000 χ^2/NDF : 35072.0/16

Left Out: 394.968 ± 0.096 χ^2/NDF : 68076.2/24

Right Out: 367.699 ± 0.140 χ^2/NDF : 113853.5/19

Left In: 399.410 ± 0.097 χ^2/NDF : 77209.0/22

Left: 397.169 ± 0.068 χ^2/NDF : 146345.7/47

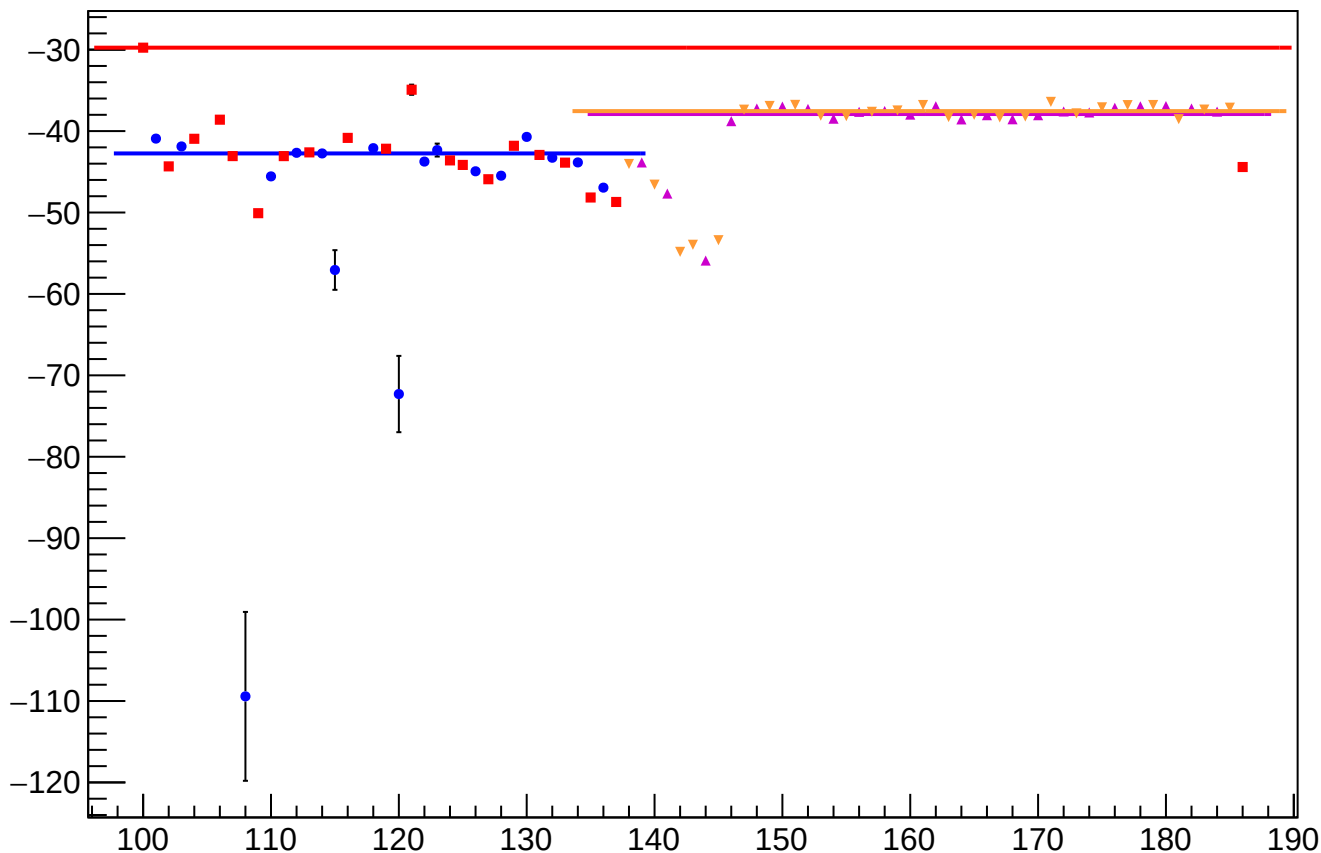
Right: 374.094 ± 0.000 χ^2/NDF : 151001.0/36

In: 374.094 ± 0.000 χ^2/NDF : 180586.1/39

Out: 386.277 ± 0.079 χ^2/NDF : 207640.7/44

All: 374.094 ± 0.000 χ^2/NDF : 411861.9/84

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744 ± 0.000 $\chi^2/\text{NDF}: 13262.6/16$

Left Out: -37.547 ± 0.004 $\chi^2/\text{NDF}: 267131.7/24$

Right Out: -29.754 ± 0.000 $\chi^2/\text{NDF}: 512490.7/19$

Left In: -37.903 ± 0.004 $\chi^2/\text{NDF}: 156960.8/22$

Left: -37.711 ± 0.003 $\chi^2/\text{NDF}: 428070.7/47$

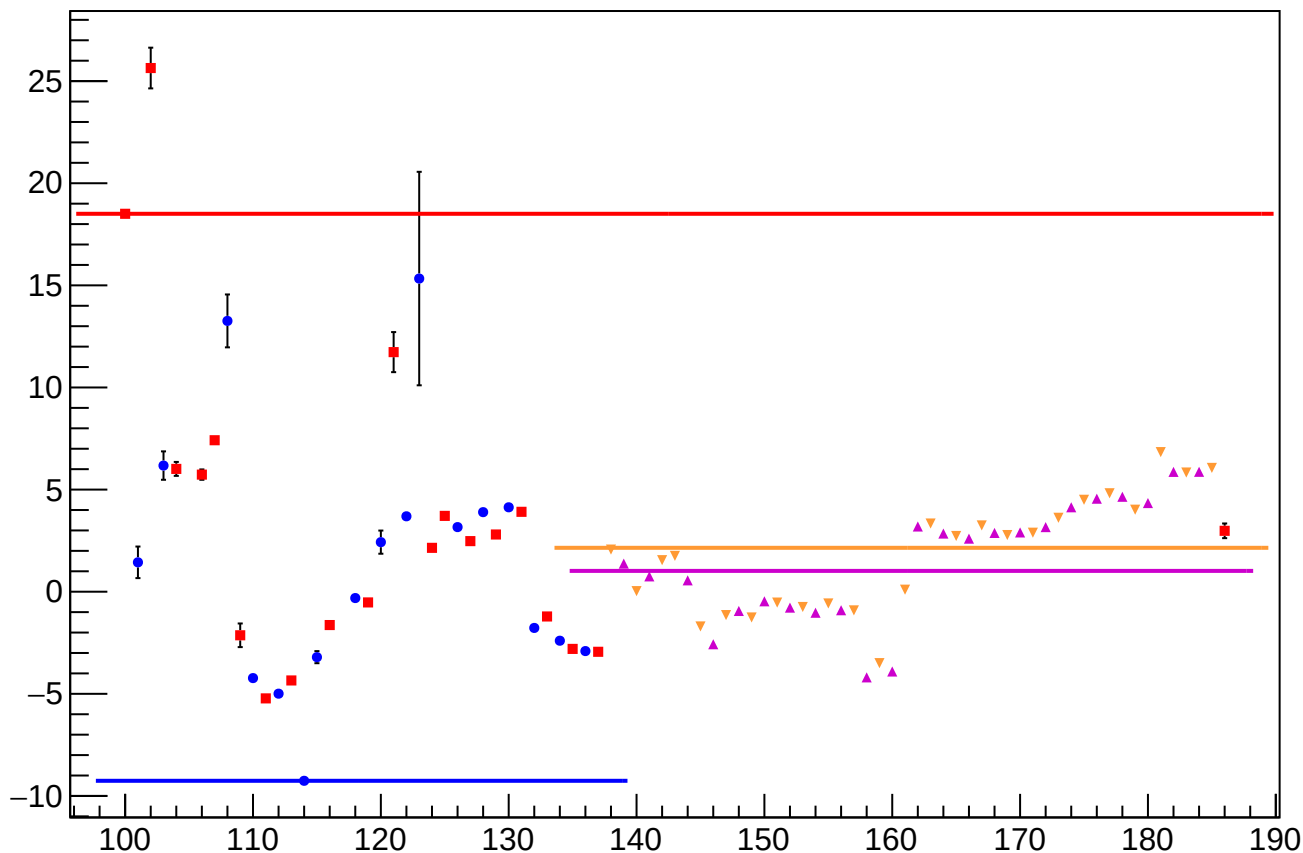
Right: -38.159 ± 0.000 $\chi^2/\text{NDF}: 129765212680709$

In: -42.744 ± 0.000 $\chi^2/\text{NDF}: 1532116.9/39$

Out: -29.754 ± 0.000 $\chi^2/\text{NDF}: 4907407.0/44$

All: -38.159 ± 0.000 $\chi^2/\text{NDF}: 129765212680$

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 405850.5/16$

Left Out: 2.149 ± 0.005 $\chi^2/\text{NDF}: 290739.3/24$

Right Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 7368647.5/19$

Left In: 1.019 ± 0.006 $\chi^2/\text{NDF}: 250029.0/22$

Left: 1.671 ± 0.004 $\chi^2/\text{NDF}: 563410.5/47$

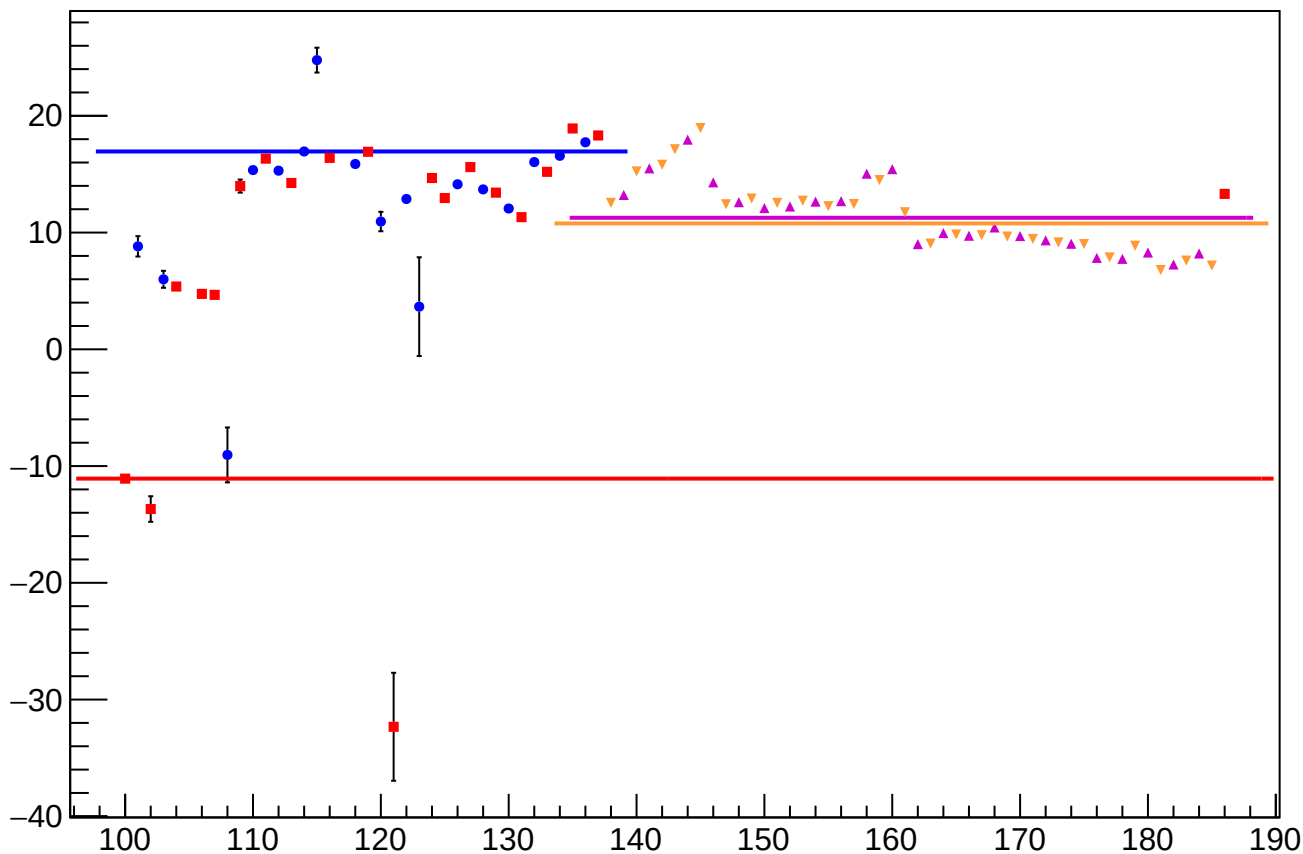
Right: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 3903920.3/39$

Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 18845845.3/44$

All: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 ± 0.000 $\chi^2/\text{NDF}: 11231.8/16$

Left Out: 10.782 ± 0.007 $\chi^2/\text{NDF}: 129427.5/24$

Right Out: -11.075 ± 0.000 $\chi^2/\text{NDF}: 2716433.4/19$

Left In: 11.267 ± 0.008 $\chi^2/\text{NDF}: 98438.0/22$

Left: 10.986 ± 0.005 $\chi^2/\text{NDF}: 230089.4/47$

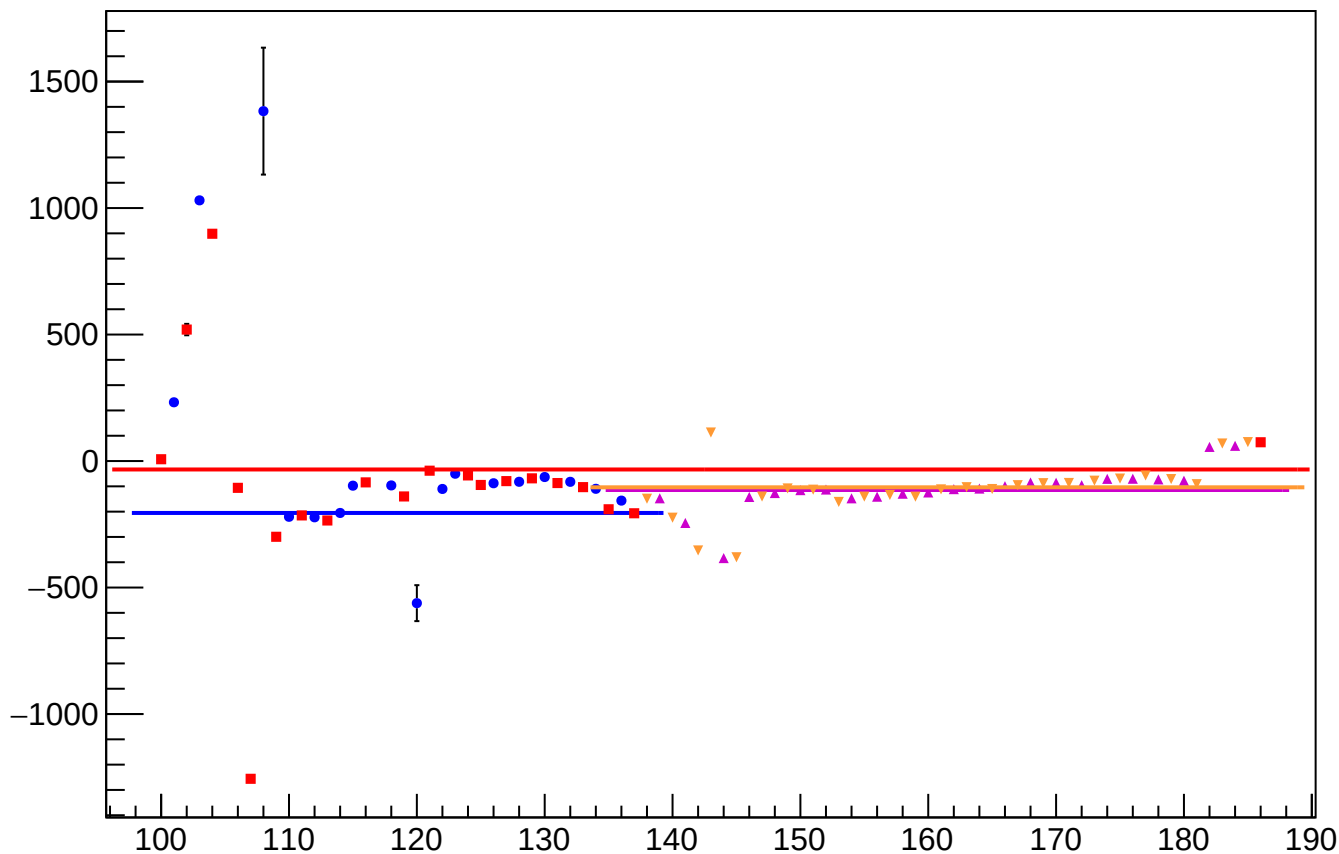
Right: -2.268 ± 0.000 $\chi^2/\text{NDF}: 4692527454635666$

In: 16.947 ± 0.000 $\chi^2/\text{NDF}: 634333.1/39$

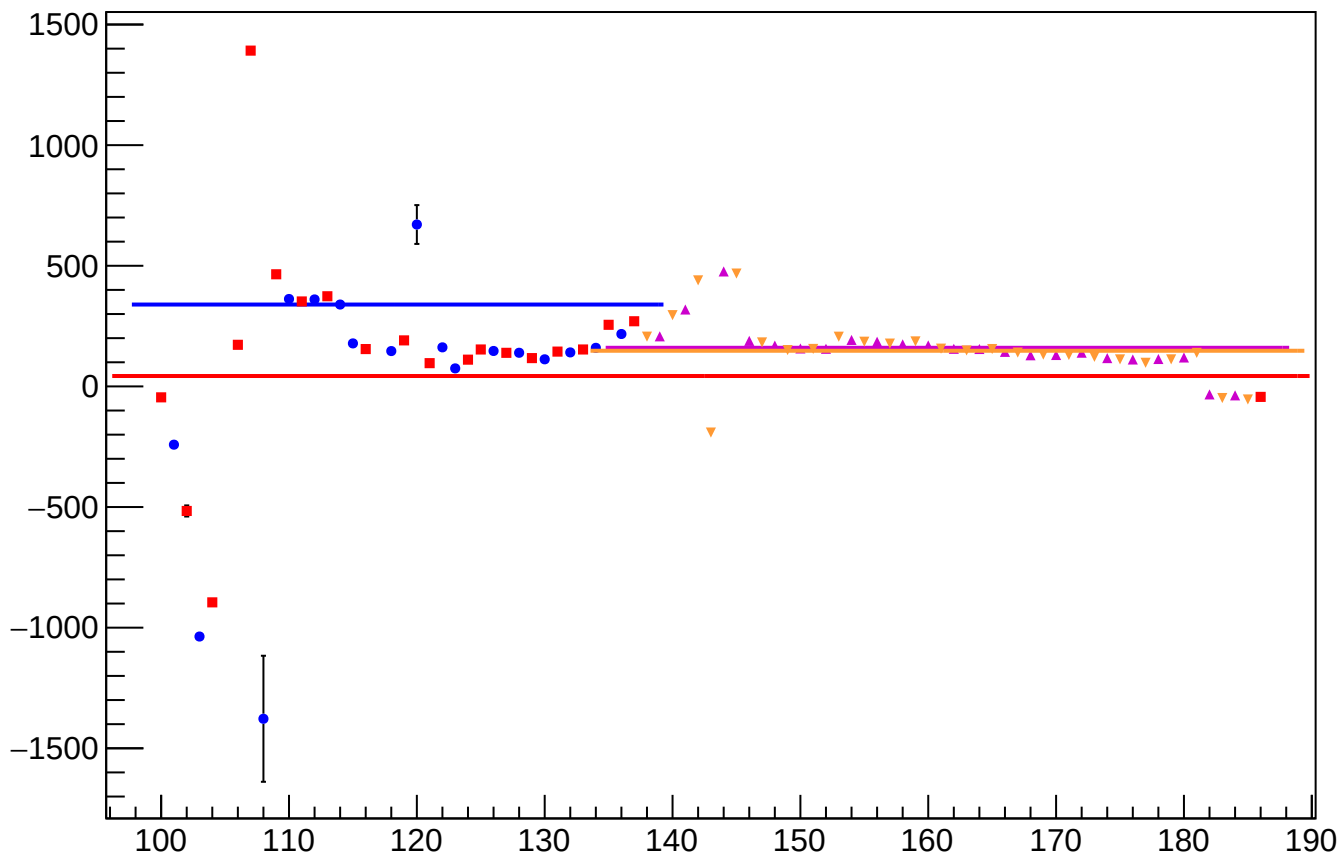
Out: -11.075 ± 0.000 $\chi^2/\text{NDF}: 13591927.3/44$

All: -2.268 ± 0.000 $\chi^2/\text{NDF}: 4692527454635$

dit_atl1_4aX_slope vs Slug, Sign Corrected



dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000 χ^2/NDF : 1030606.3/16

Left Out: 147.771+/-0.196 χ^2/NDF :134281.2/24

Right Out: 43.083+/-0.252 χ^2/NDF : 306306.4/19

Left In: 160.049+/-0.230 χ^2/NDF :83579.0/22

Left: 152.950+/-0.149 χ^2/NDF : 219512.9/47

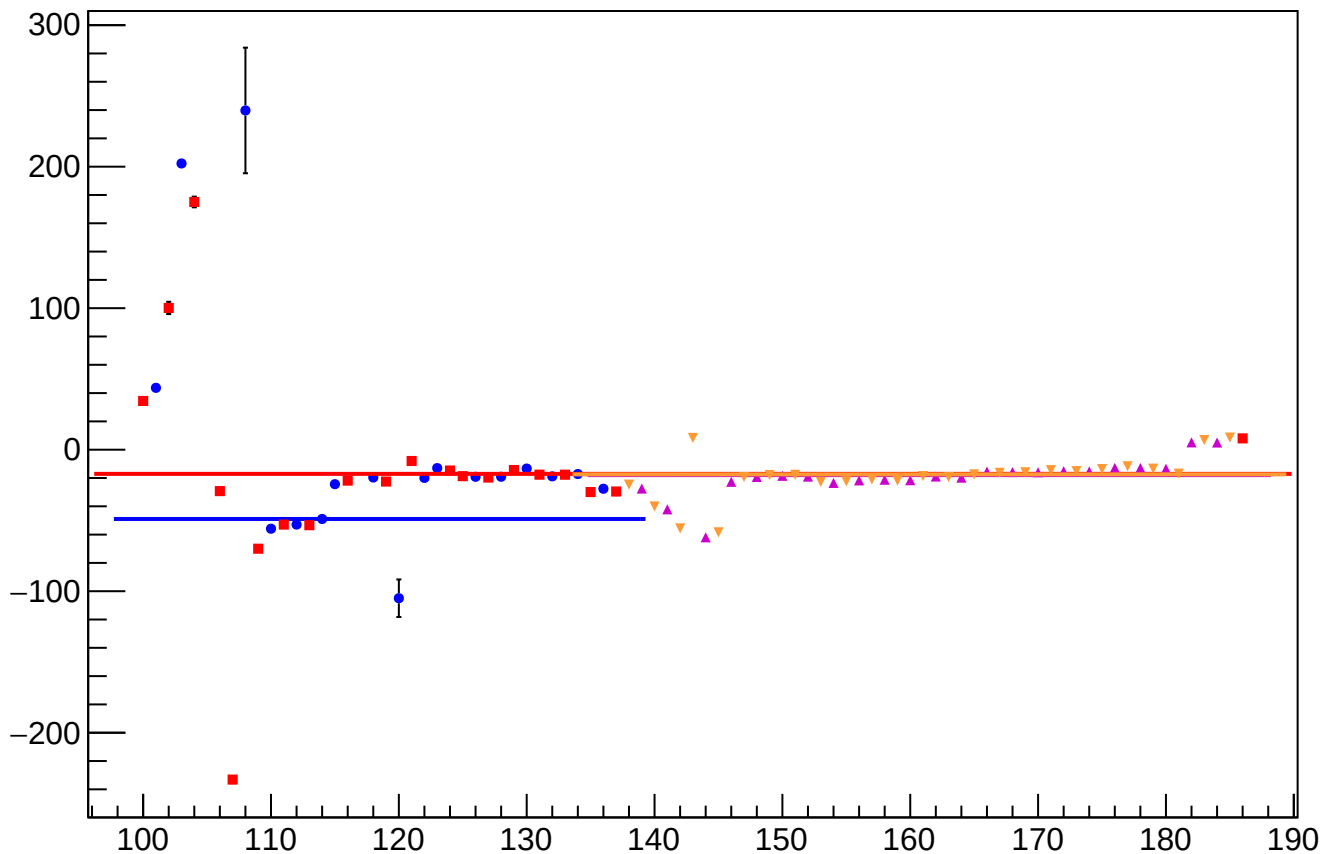
Right: 339.325+/-0.000 χ^2/NDF : 2718205.3/36

In: 339.325+/-0.000 χ^2/NDF :1723524.3/39

Out: 108.284+/-0.155 χ^2/NDF :548021.7/44

All: 339.325+/-0.000 χ^2/NDF : 4499029.7/84

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945+/-0.000 χ^2/NDF : 5408370.4/16

Left Out: -17.446+/-0.010 χ^2/NDF : 714044.4/24

Right Out: -17.073+/-0.044 χ^2/NDF : 303026.4/19

Left In: -17.951+/-0.012 χ^2/NDF : 252123.1/22

Left: -17.648+/-0.008 χ^2/NDF : 967185.6/47

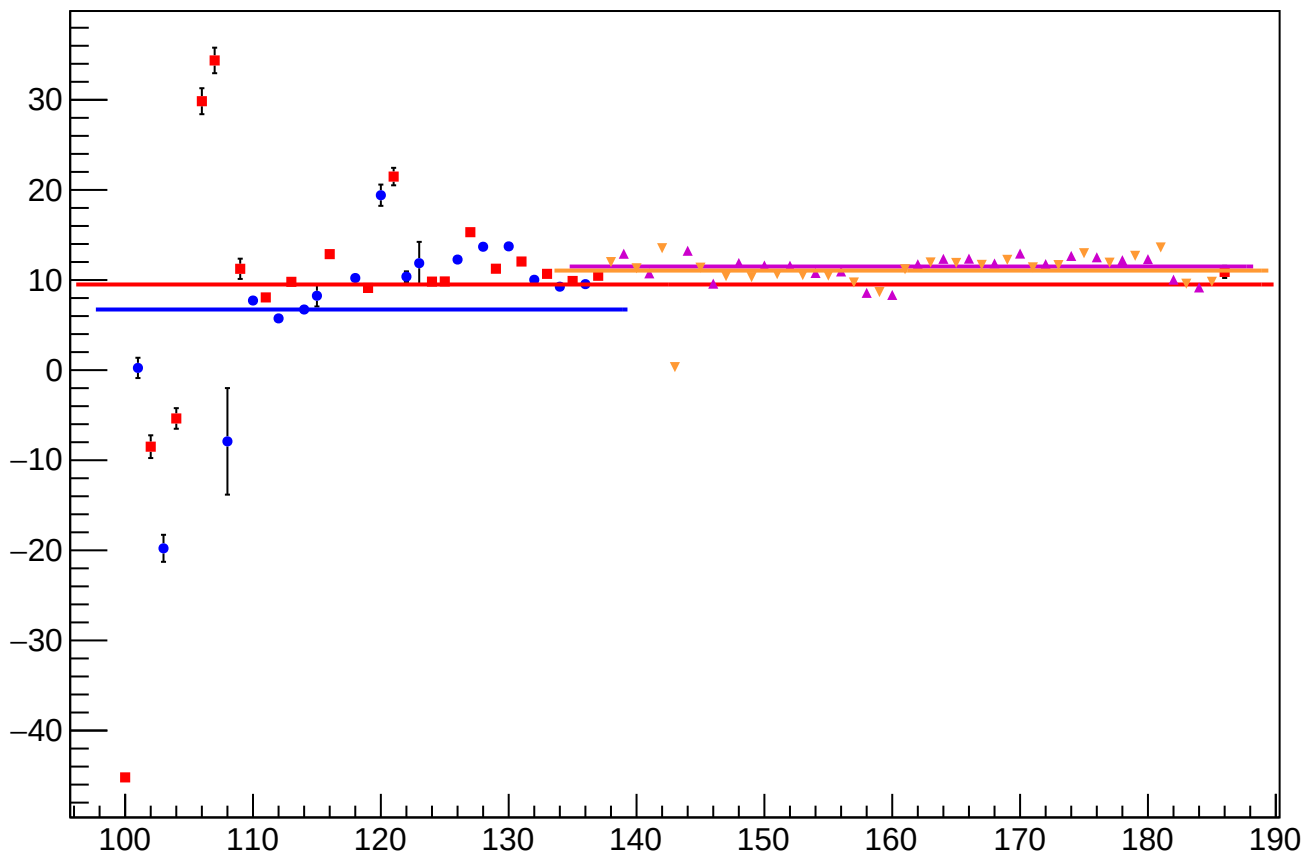
Right: -48.945+/-0.000 χ^2/NDF : 6246630.8/36

In: -48.945+/-0.000 χ^2/NDF : 12047104.5/39

Out: -17.427+/-0.010 χ^2/NDF : 1017140.4/44

All: -48.945+/-0.000 χ^2/NDF : 23502848.3/84

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 ± 0.000 χ^2/NDF : 13749.2/16

Left Out: 11.049 ± 0.012 χ^2/NDF : 31618.4/24

Right Out: 9.506 ± 0.036 χ^2/NDF : 26826.4/19

Left In: 11.498 ± 0.010 χ^2/NDF : 15848.8/22

Left: 11.309 ± 0.008 χ^2/NDF : 48246.1/47

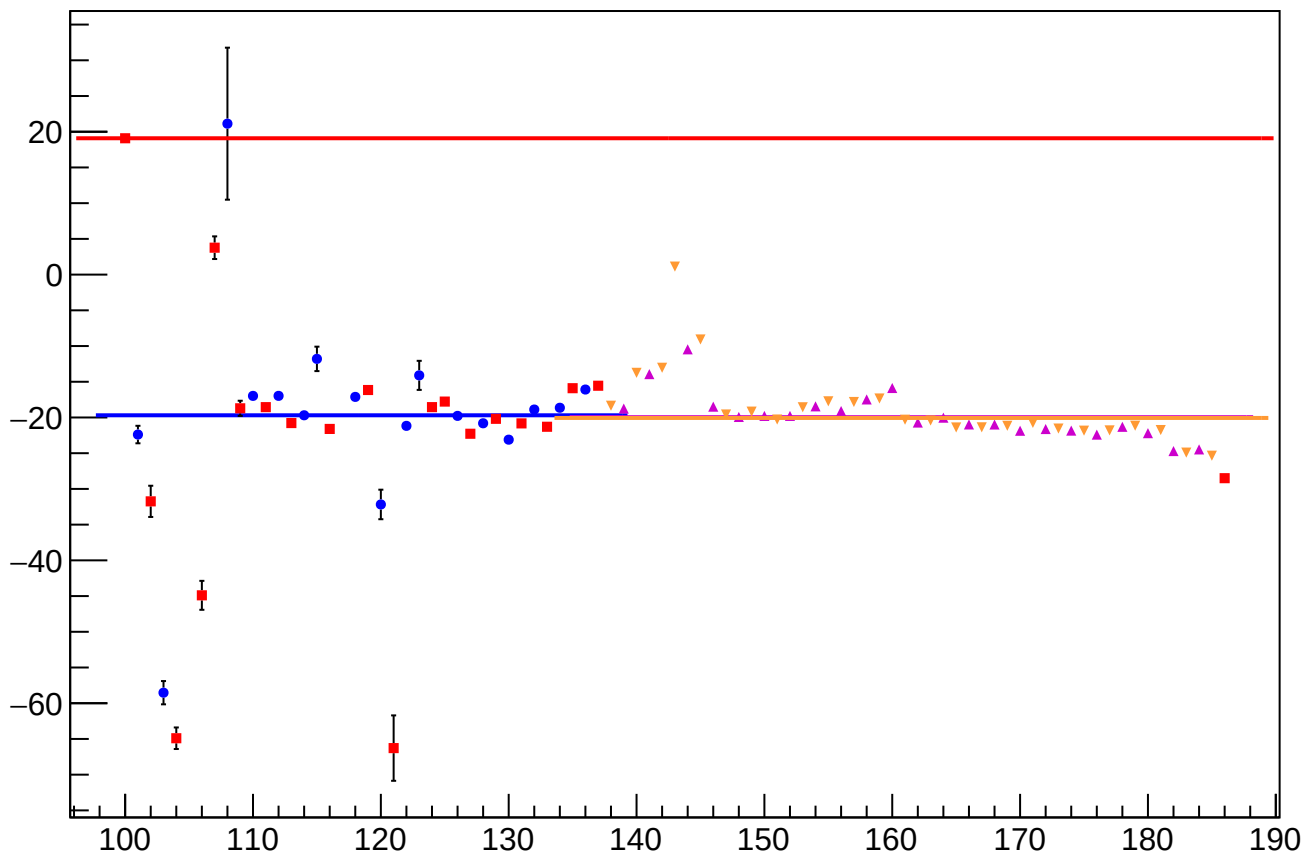
Right: 6.728 ± 0.000 χ^2/NDF : 46673.6/36

In: 6.728 ± 0.000 χ^2/NDF : 238804.7/39

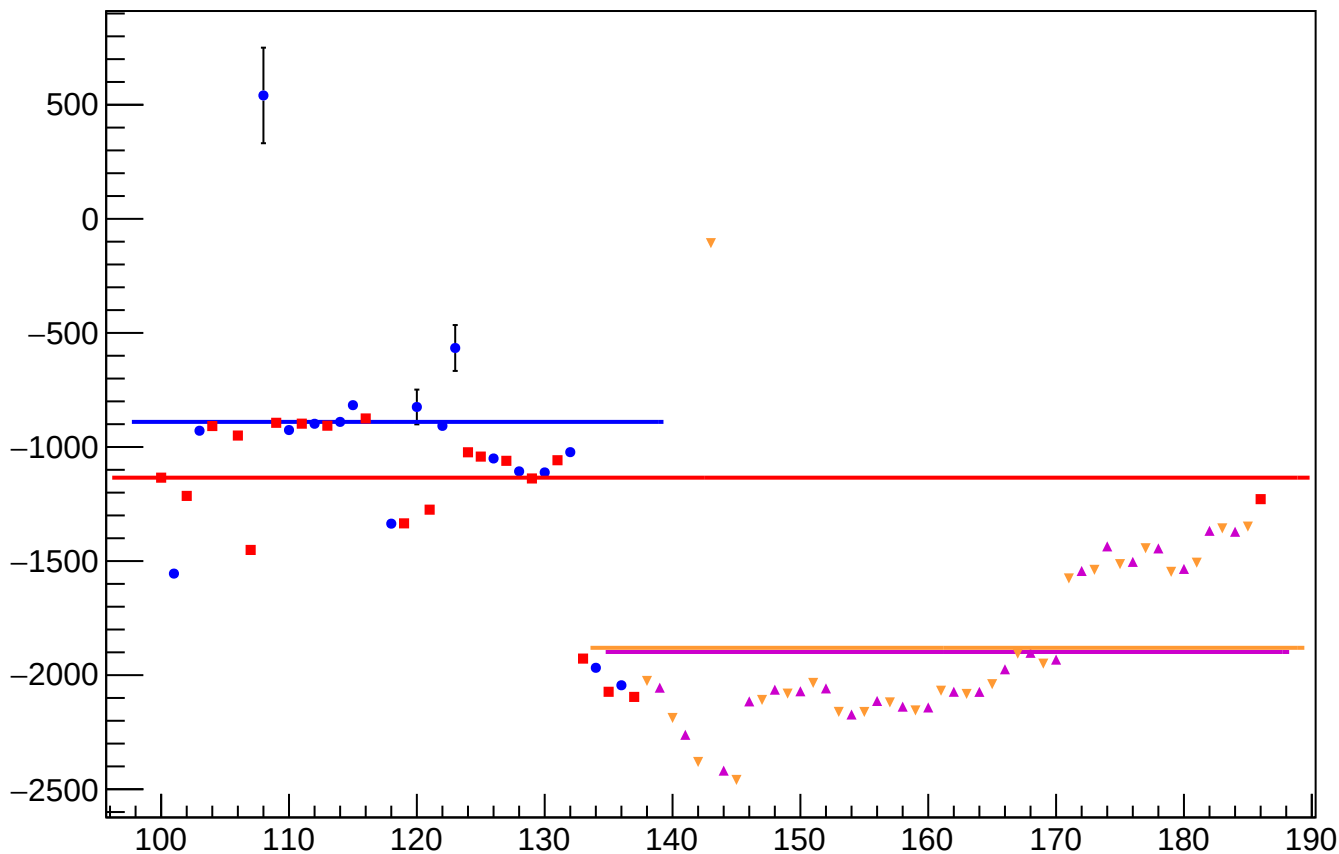
Out: 10.886 ± 0.012 χ^2/NDF : 60128.0/44

All: 6.728 ± 0.000 χ^2/NDF : 427802.3/84

dit_atl1_4eY_slope vs Slug, Sign Corrected



dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928+/-0.000 χ^2/NDF : 775896.0/16

Left Out: -1880.162+/-0.353 χ^2/NDF : 873293.0/24

Right Out: -1134.421+/-0.000 χ^2/NDF : 737355.3/19

Left In: -1898.497+/-0.364 χ^2/NDF : 698003.8/22

Left: -1889.053+/-0.253 χ^2/NDF : 1572605.5/47

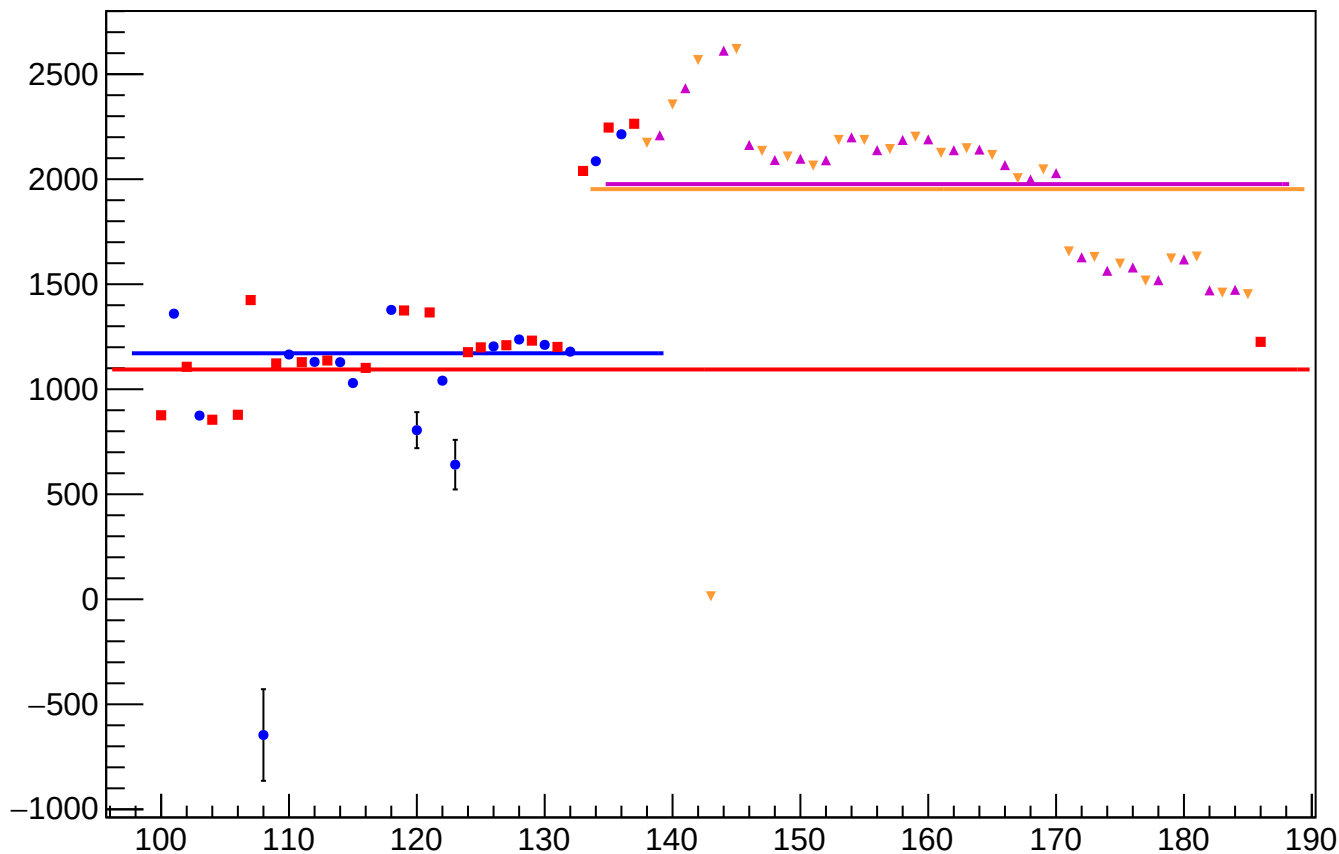
Right: -976.220+/-0.000 χ^2/NDF : 44889787387498

In: -889.928+/-0.000 χ^2/NDF : 9162698.5/39

Out: -1134.421+/-0.000 χ^2/NDF : 6075119.0/44

All: -976.220+/-0.000 χ^2/NDF : 44889787387

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1171.188 $\pm$ 0.245 χ^2 /NDF: 508989.2/16

Left Out: 1952.706 $\pm$ 0.354 χ^2 /NDF: 820225.3/24

Right Out: 1094.147 $\pm$ 0.249 χ^2 /NDF: 1109723.2/19

Left In: 1976.603 $\pm$ 0.367 χ^2 /NDF: 625684.0/22

Left: 1964.216 $\pm$ 0.255 χ^2 /NDF: 1448104.1/47

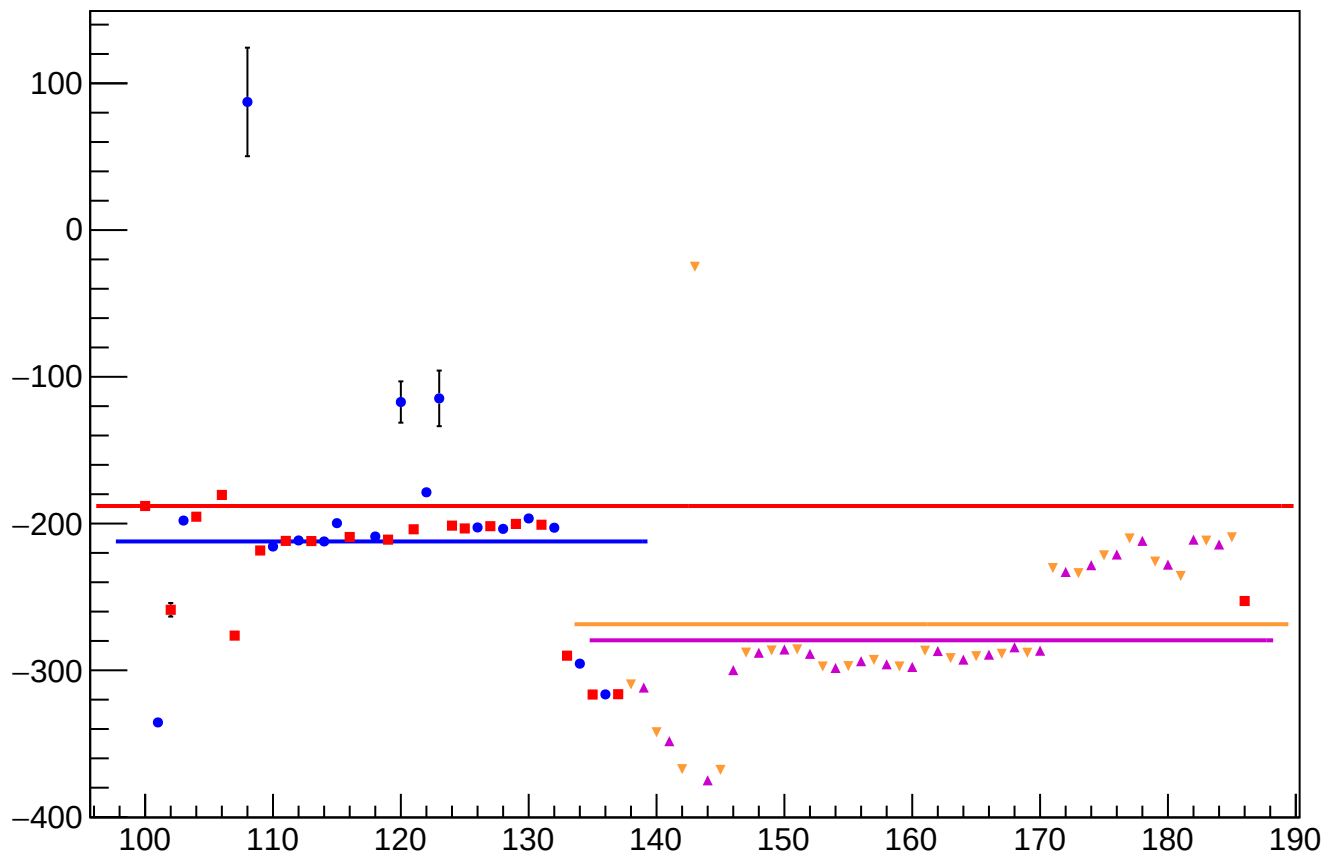
Right: 1133.274 $\pm$ 0.175 χ^2 /NDF: 1667225.6/36

In: 1419.769 $\pm$ 0.204 χ^2 /NDF: 4459991.9/39

Out: 1378.738 $\pm$ 0.204 χ^2 /NDF: 5862324.8/44

All: 1399.232 $\pm$ 0.144 χ^2 /NDF: 10342560.0/8

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 1149195.1/16$

Left Out: -268.611 ± 0.022 $\chi^2/\text{NDF}: 7041710.3/24$

Right Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 751891.1/19$

Left In: -279.563 ± 0.022 $\chi^2/\text{NDF}: 2298119.7/22$

Left: -274.180 ± 0.015 $\chi^2/\text{NDF}: 9465442.7/47$

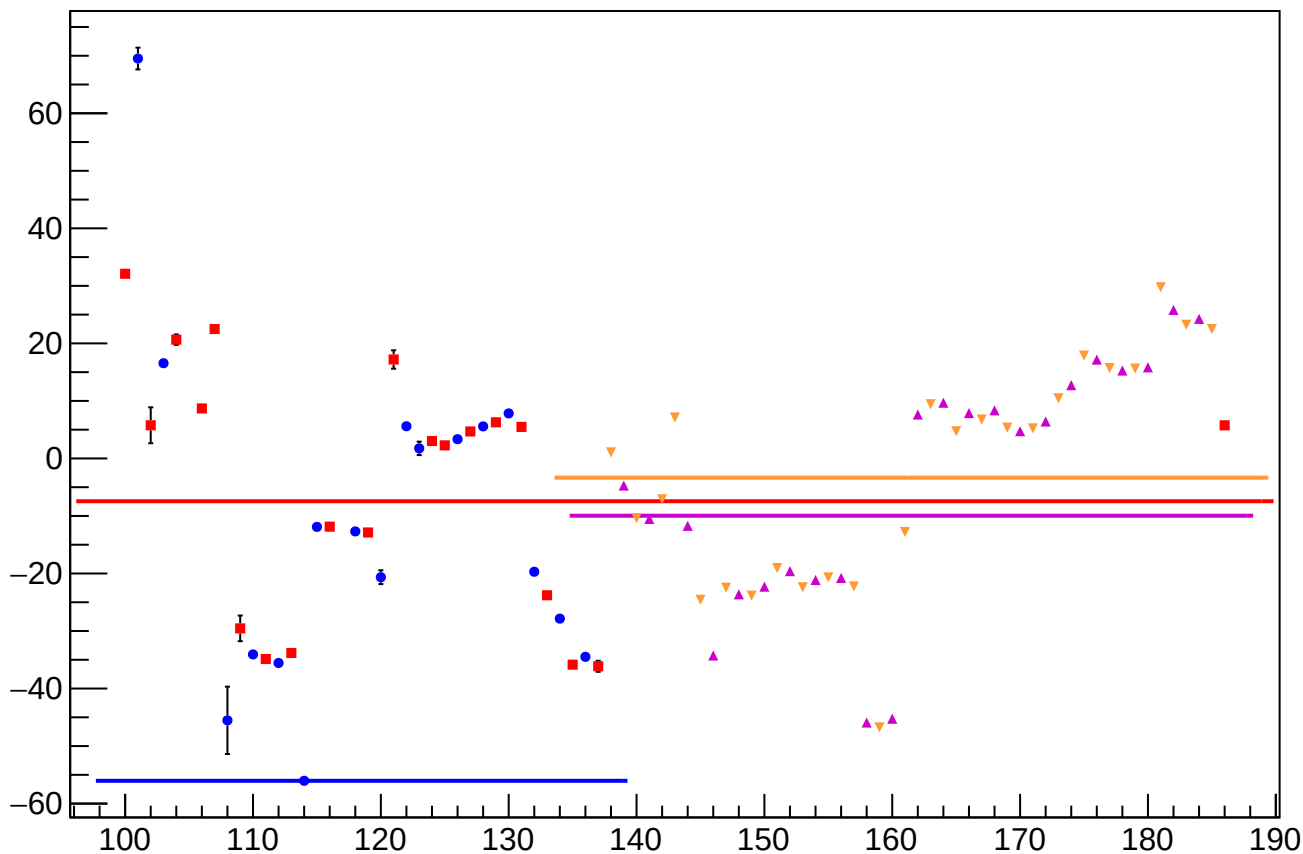
Right: -195.625 ± 0.000 $\chi^2/\text{NDF}: 13622303625661$

In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 13119022.9/39$

Out: -188.033 ± 0.000 $\chi^2/\text{NDF}: 21165949.3/44$

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: -3.341 ± 0.018 $\chi^2/\text{NDF}: 1399746.6/24$

Right Out: -7.440 ± 0.042 $\chi^2/\text{NDF}: 174162.8/19$

Left In: -9.956 ± 0.018 $\chi^2/\text{NDF}: 1689839.0/22$

Left: -6.485 ± 0.013 $\chi^2/\text{NDF}: 3156876.8/47$

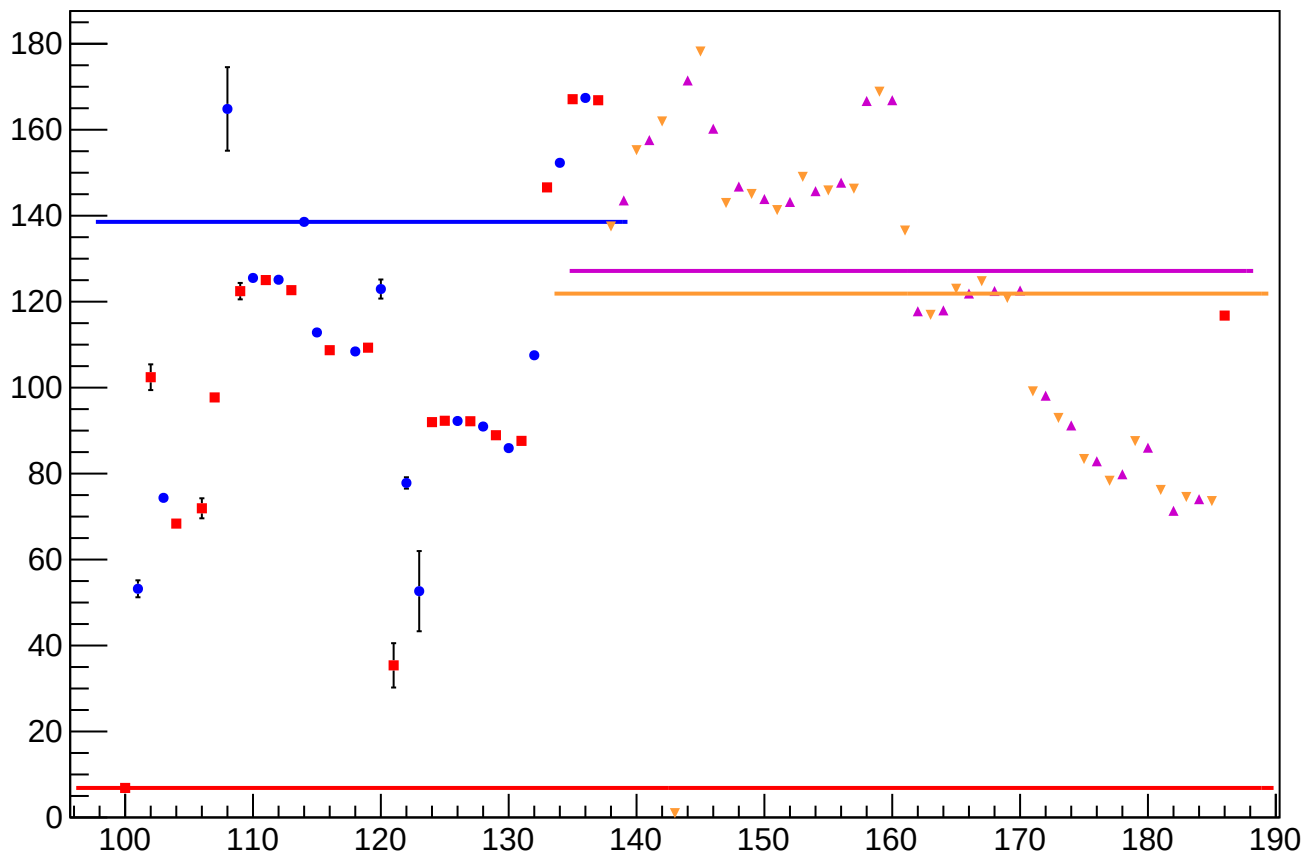
Right: -56.037 ± 0.000 $\chi^2/\text{NDF}: 3090761.3/36$

In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 9499617.9/39$

Out: -3.949 ± 0.016 $\chi^2/\text{NDF}: 1581973.9/44$

All: -56.037 ± 0.000 $\chi^2/\text{NDF}: 21392524.5/84$

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000 χ^2 /NDF: 901159.7/16

Left Out: 121.875 $\pm$ 0.024 χ^2 /NDF:1617383.6/24

Right Out: 6.866 $\pm$ 0.000 χ^2 /NDF: 8066964.0/19

Left In: 127.150 $\pm$ 0.026 χ^2 /NDF:1340248.6/22

Left: 124.317 $\pm$ 0.018 χ^2 /NDF: 2979450.2/47

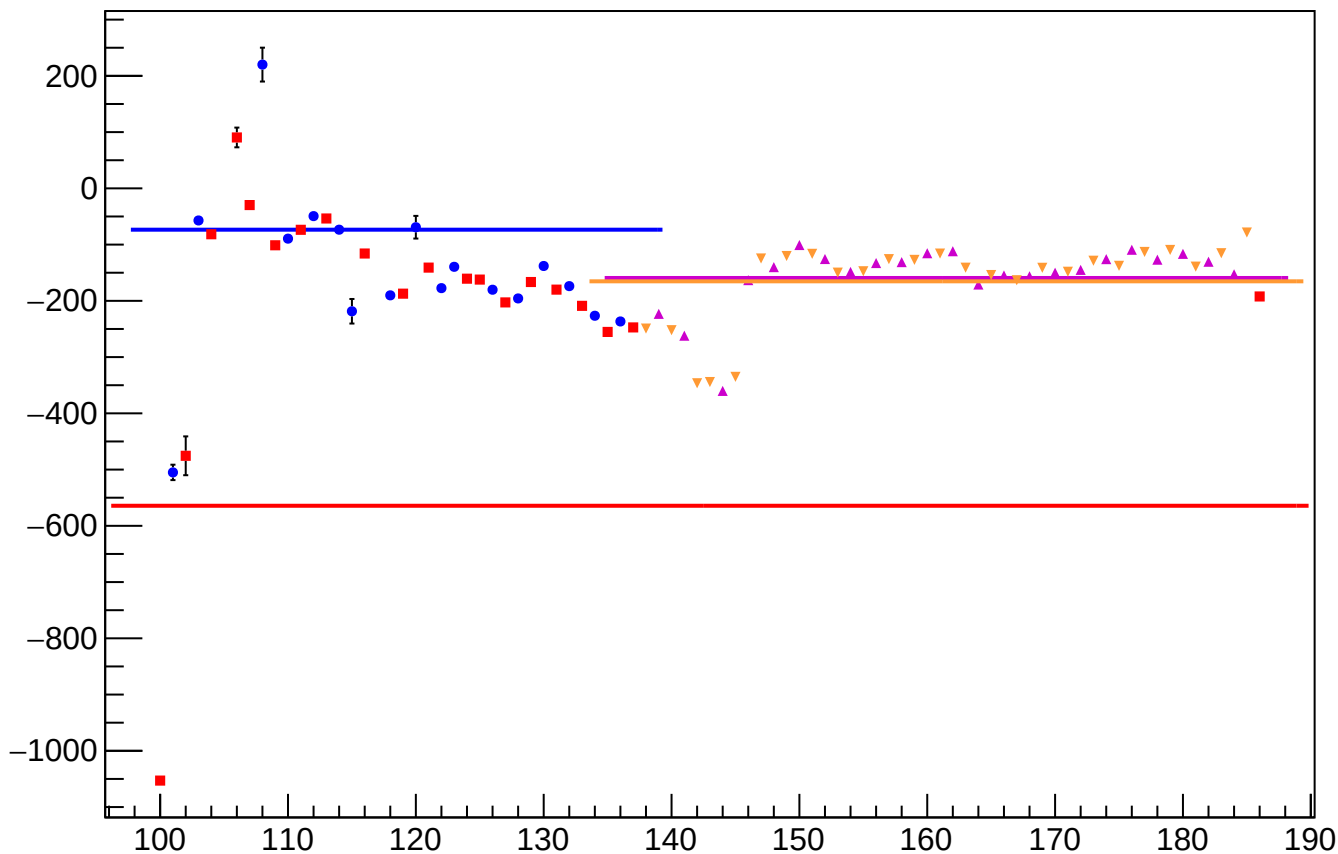
Right: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928678

In: 138.565 $\pm$ 0.000 χ^2 /NDF:2431608.8/39

Out: 6.866 $\pm$ 0.000 χ^2 /NDF:32082580.3/44

All: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 98703.2/16$

Left Out: -165.282 ± 0.232 $\chi^2/\text{NDF}: 84301.0/24$

Right Out: -564.319 ± 0.256 $\chi^2/\text{NDF}: 3122474.0/19$

Left In: -159.346 ± 0.239 $\chi^2/\text{NDF}: 73885.5/22$

Left: -162.407 ± 0.166 $\chi^2/\text{NDF}: 158504.2/47$

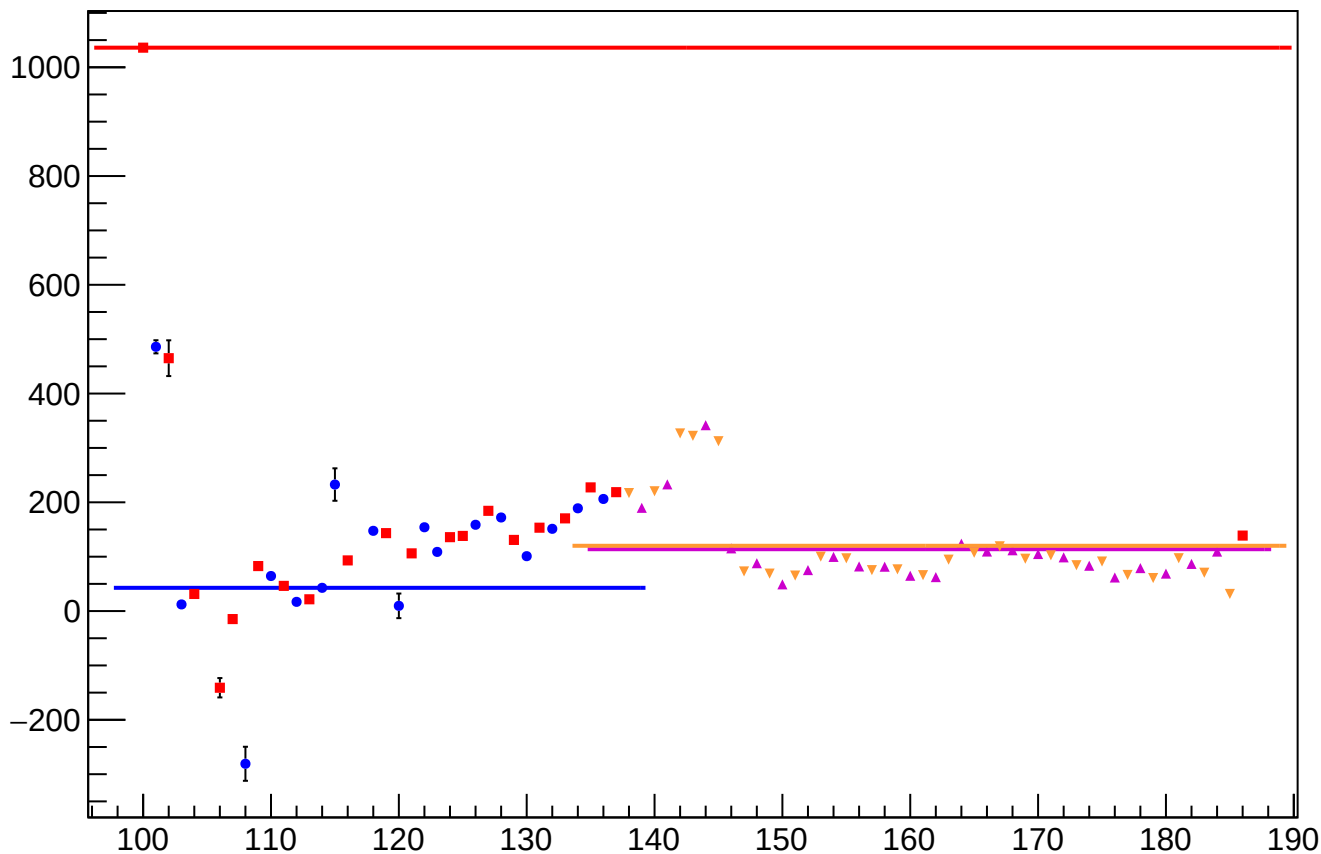
Right: -73.485 ± 0.000 $\chi^2/\text{NDF}: 6910965.7/36$

In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 301494.5/39$

Out: -345.364 ± 0.172 $\chi^2/\text{NDF}: 4544911.0/44$

All: -73.485 ± 0.000 $\chi^2/\text{NDF}: 7354973.2/84$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 84599.8/16

Left Out: 120.053+/-0.237 χ^2/NDF : 97926.9/24

Right Out: 1036.068+/-0.000 χ^2/NDF : 5452618.9/19

Left In: 113.733+/-0.246 χ^2/NDF : 81886.4/22

Left: 117.016+/-0.171 χ^2/NDF : 180155.1/47

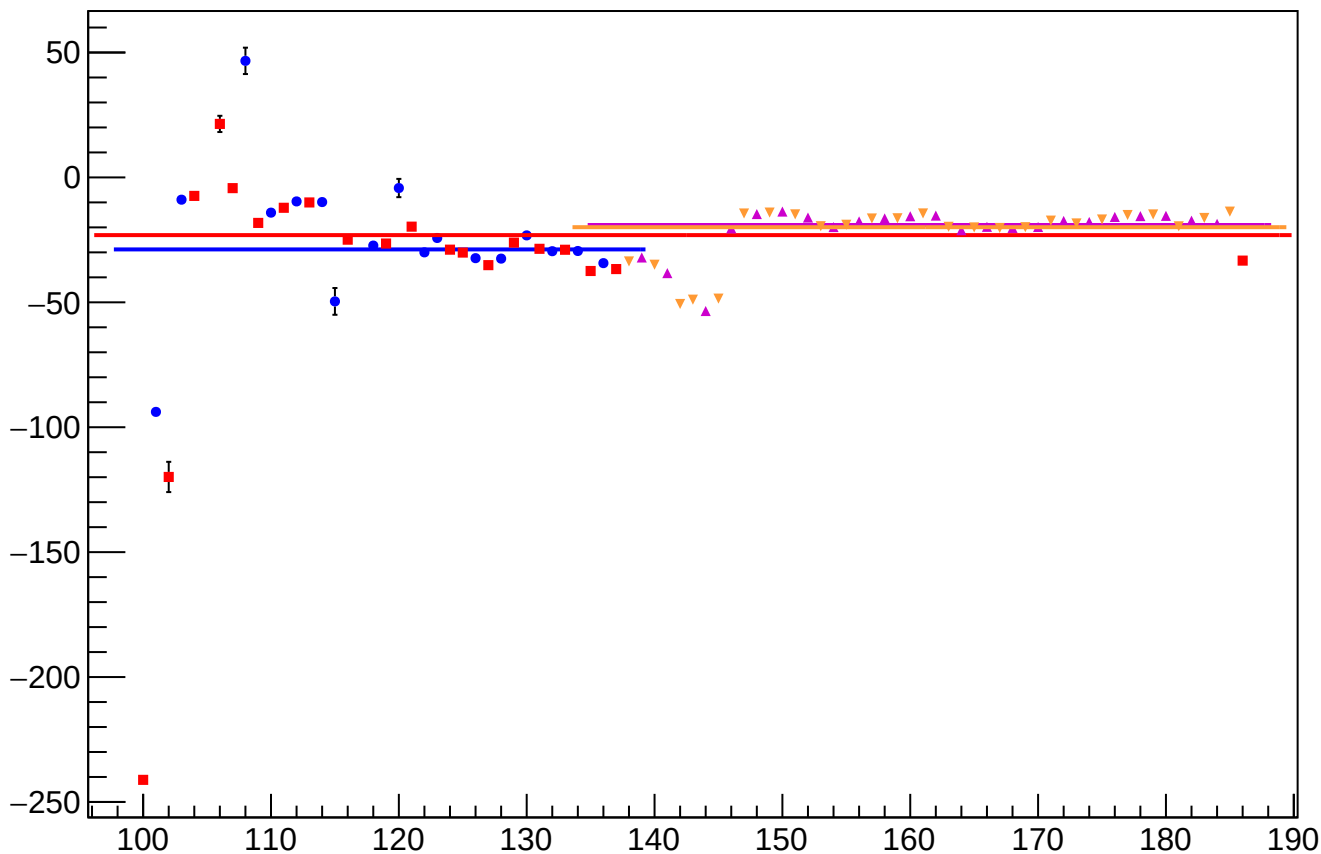
Right: 43.272+/-0.000 χ^2/NDF : 1144517497266833

In: 42.743+/-0.000 χ^2/NDF : 249549.3/39

Out: 1036.068+/-0.000 χ^2/NDF : 20492237.6/44

All: 43.272+/-0.000 χ^2/NDF : 1144517497266

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.822 ± 0.035 χ^2/NDF : 49503.4/16

Left Out: -19.926 ± 0.012 χ^2/NDF : 374900.2/24

Right Out: -23.096 ± 0.037 χ^2/NDF : 413020.7/19

Left In: -19.047 ± 0.014 χ^2/NDF : 214747.8/22

Left: -19.543 ± 0.009 χ^2/NDF : 591888.6/47

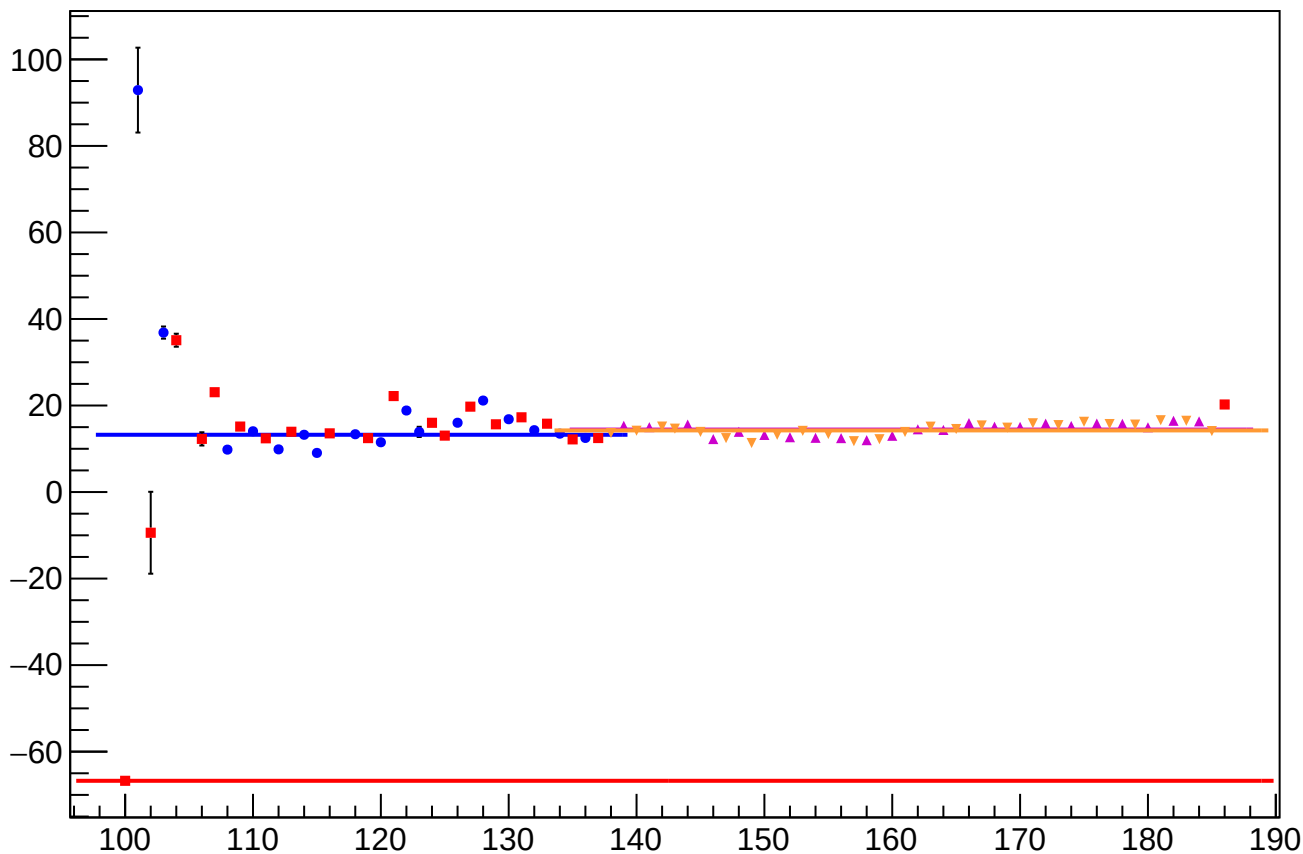
Right: -26.169 ± 0.025 χ^2/NDF : 475115.6/36

In: -20.404 ± 0.013 χ^2/NDF : 332437.0/39

Out: -20.234 ± 0.012 χ^2/NDF : 794415.8/44

All: -20.310 ± 0.009 χ^2/NDF : 1126948.1/84

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238 $\pm$ 0.000 χ^2 /NDF: 5756.1/16

Left Out: 14.245 $\pm$ 0.012 χ^2 /NDF:12367.6/24

Right Out: -66.739 $\pm$ 0.000 χ^2 /NDF: 3040152.7/19

Left In: 14.441 $\pm$ 0.012 χ^2 /NDF:12955.9/22

Left: 14.346 $\pm$ 0.008 χ^2 /NDF: 25459.7/47

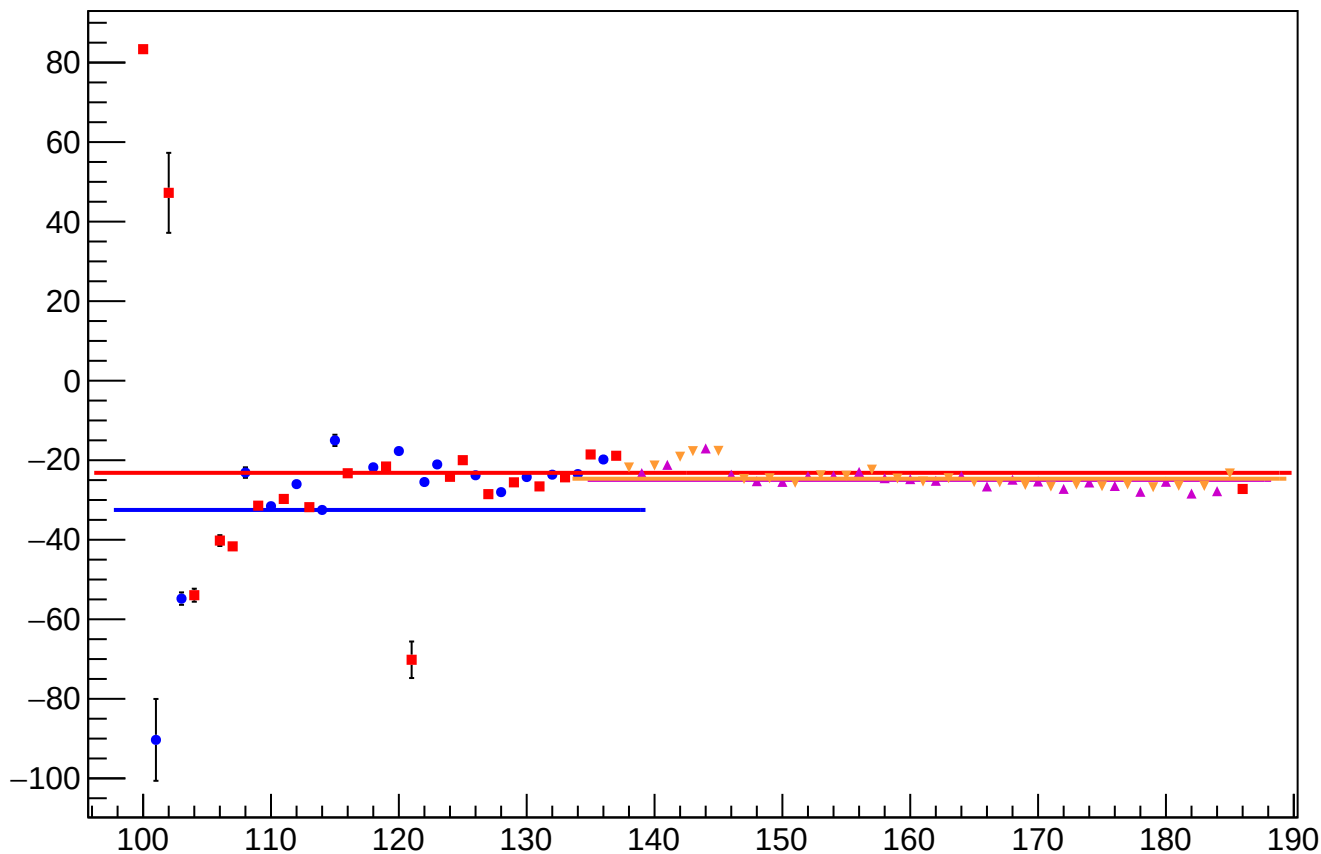
Right: 12.562 $\pm$ 0.000 χ^2 /NDF: 1884310027651005

In: 13.238 $\pm$ 0.000 χ^2 /NDF:29377.9/39

Out: -66.739 $\pm$ 0.000 χ^2 /NDF:48699899.2/44

All: 12.562 $\pm$ 0.000 χ^2 /NDF: 1884310027651

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 ± 0.000 χ^2/NDF : 74187.4/16

Left Out: -24.652 ± 0.015 χ^2/NDF : 23058.0/24

Right Out: -23.171 ± 0.048 χ^2/NDF : 90784.8/19

Left In: -24.948 ± 0.015 χ^2/NDF : 14049.6/22

Left: -24.798 ± 0.011 χ^2/NDF : 37300.4/47

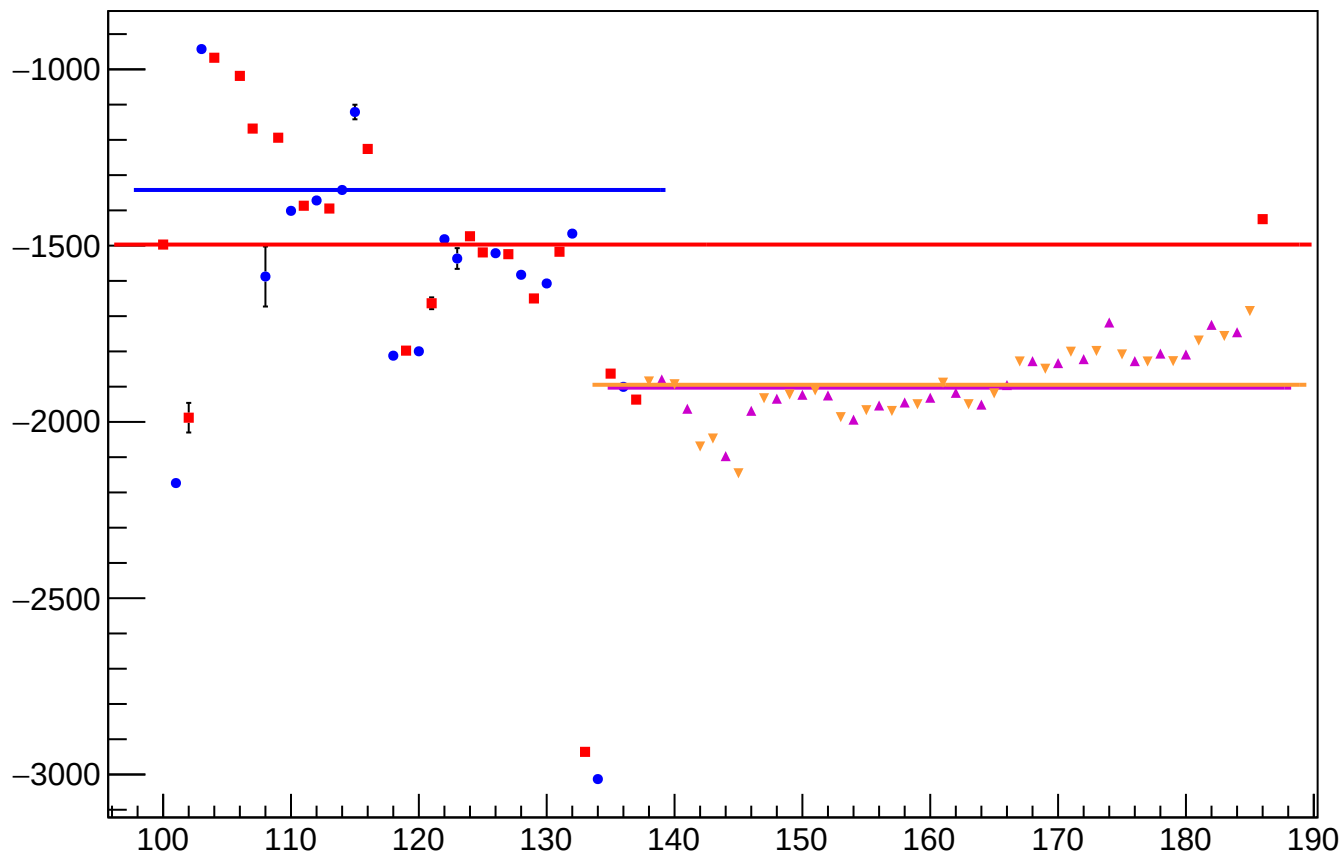
Right: -32.504 ± 0.000 χ^2/NDF : 203578.8/36

In: -32.504 ± 0.000 χ^2/NDF : 336138.3/39

Out: -24.518 ± 0.014 χ^2/NDF : 114727.2/44

All: -32.504 ± 0.000 χ^2/NDF : 763917.7/84

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 370901.4/16$

Left Out: -1894.646 ± 0.318 $\chi^2/\text{NDF}: 67387.8/24$

Right Out: -1496.932 ± 0.000 $\chi^2/\text{NDF}: 506306.0/19$

Left In: -1902.803 ± 0.289 $\chi^2/\text{NDF}: 69208.9/22$

Left: -1899.114 ± 0.214 $\chi^2/\text{NDF}: 136957.6/47$

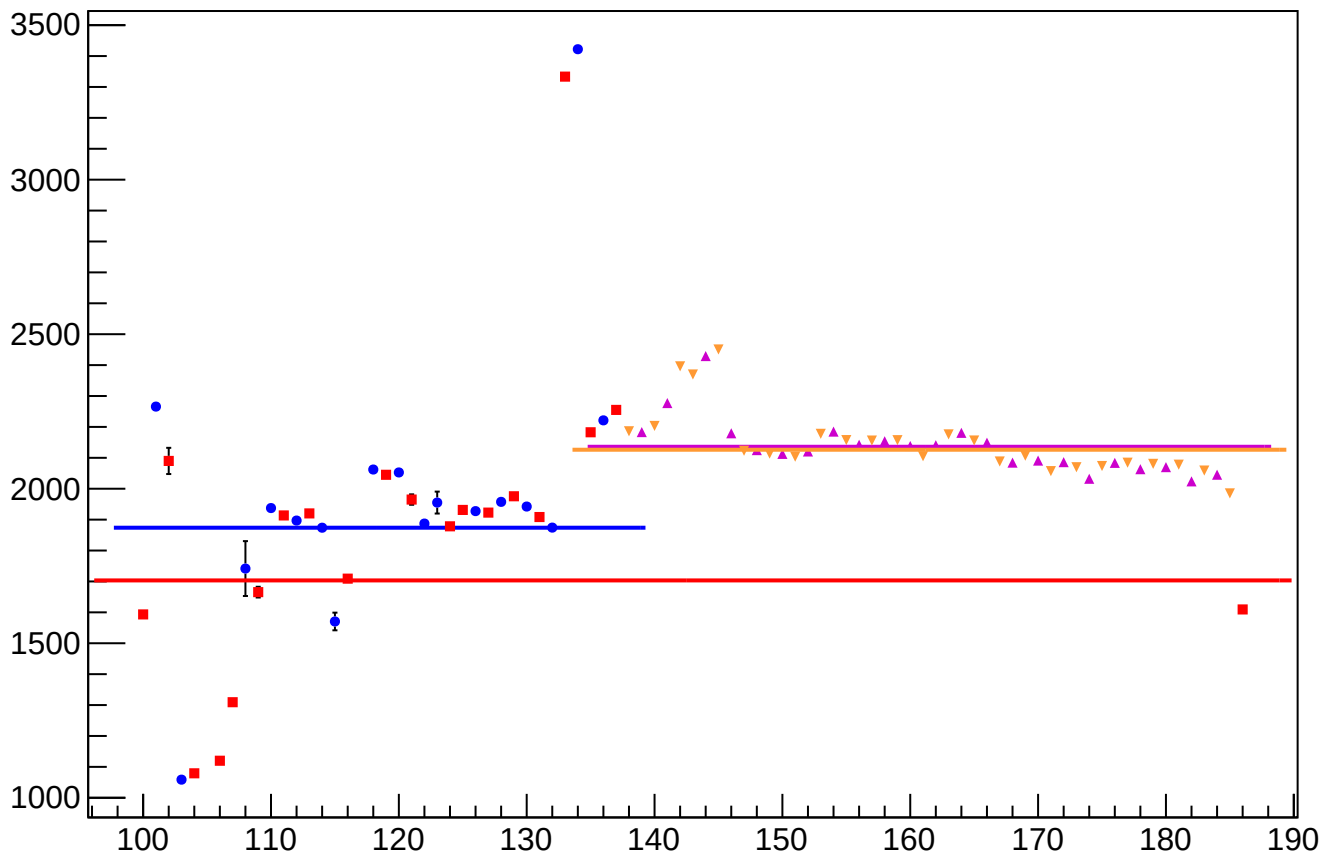
Right: -1396.751 ± 0.000 $\chi^2/\text{NDF}: 1800086126763$

In: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 4210196.7/39$

Out: -1496.932 ± 0.000 $\chi^2/\text{NDF}: 2140075.5/44$

All: -1396.751 ± 0.000 $\chi^2/\text{NDF}: 1800086126$

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852 ± 0.000 $\chi^2/\text{NDF}: 201563.9/16$

Left Out: 2126.160 ± 0.317 $\chi^2/\text{NDF}: 48244.0/24$

Right Out: 1703.303 ± 0.297 $\chi^2/\text{NDF}: 841595.4/19$

Left In: 2135.770 ± 0.290 $\chi^2/\text{NDF}: 58031.3/22$

Left: 2131.403 ± 0.214 $\chi^2/\text{NDF}: 106775.9/47$

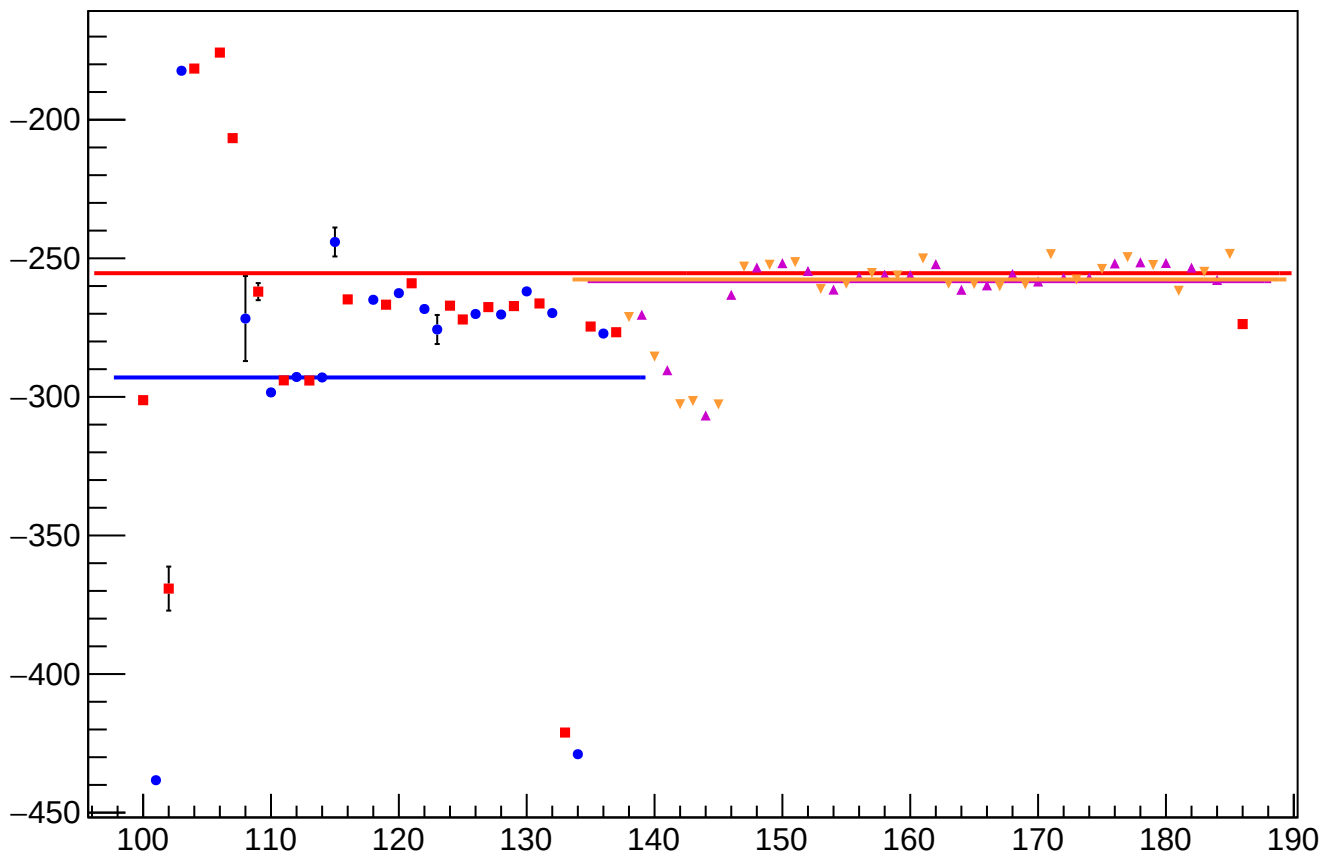
Right: 1873.852 ± 0.000 $\chi^2/\text{NDF}: 1372891.5/36$

In: 1873.852 ± 0.000 $\chi^2/\text{NDF}: 1078041.8/39$

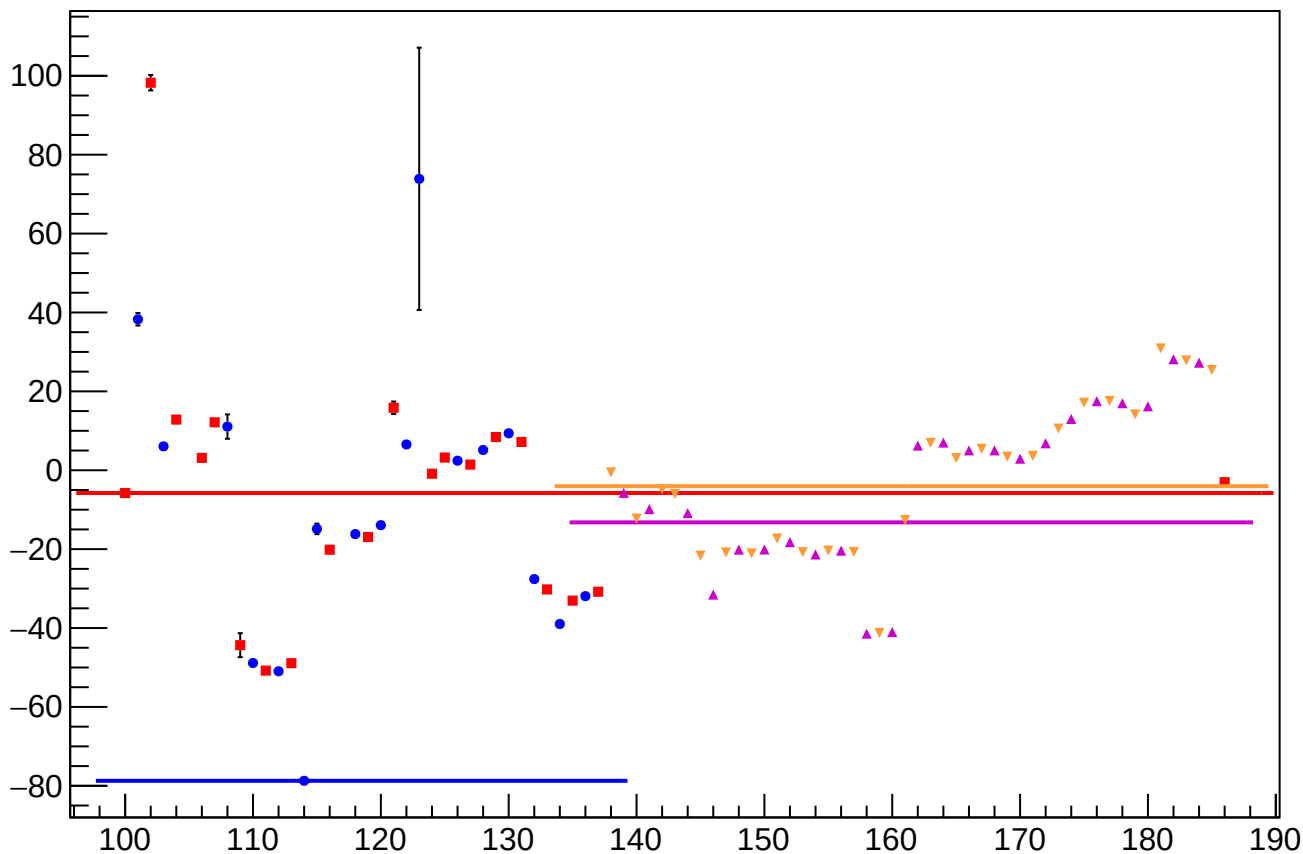
Out: 1900.790 ± 0.217 $\chi^2/\text{NDF}: 1836504.0/44$

All: 1873.852 ± 0.000 $\chi^2/\text{NDF}: 2929981.0/84$

dit_atr2_11X12X_slope vs Slug, Sign Corrected



dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 1399088.3/16$

Left Out: -4.036 ± 0.017 $\chi^2/\text{NDF}: 1369619.3/24$

Right Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 111594.2/19$

Left In: -13.213 ± 0.017 $\chi^2/\text{NDF}: 1356033.4/22$

Left: -8.666 ± 0.012 $\chi^2/\text{NDF}: 2871427.0/47$

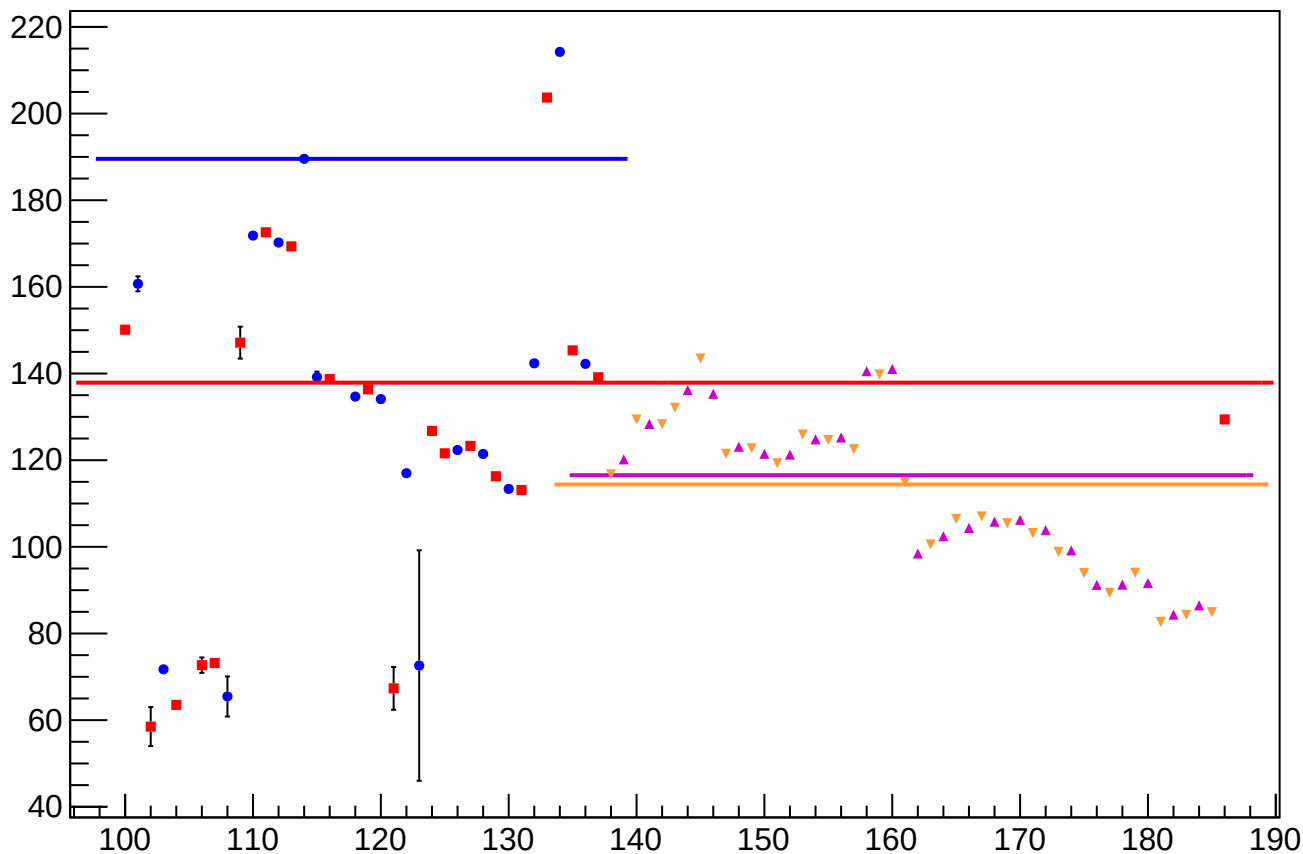
Right: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293380$

In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 17751896.7/39$

Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 1491525.6/44$

All: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293$

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 $\pm$ 0.000 χ^2 /NDF: 927391.8/16

Left Out: 114.395 $\pm$ 0.023 χ^2 /NDF: 434871.2/24

Right Out: 137.896 $\pm$ 0.059 χ^2 /NDF: 117619.1/19

Left In: 116.538 $\pm$ 0.024 χ^2 /NDF: 458128.6/22

Left: 115.418 $\pm$ 0.016 χ^2 /NDF: 897301.5/47

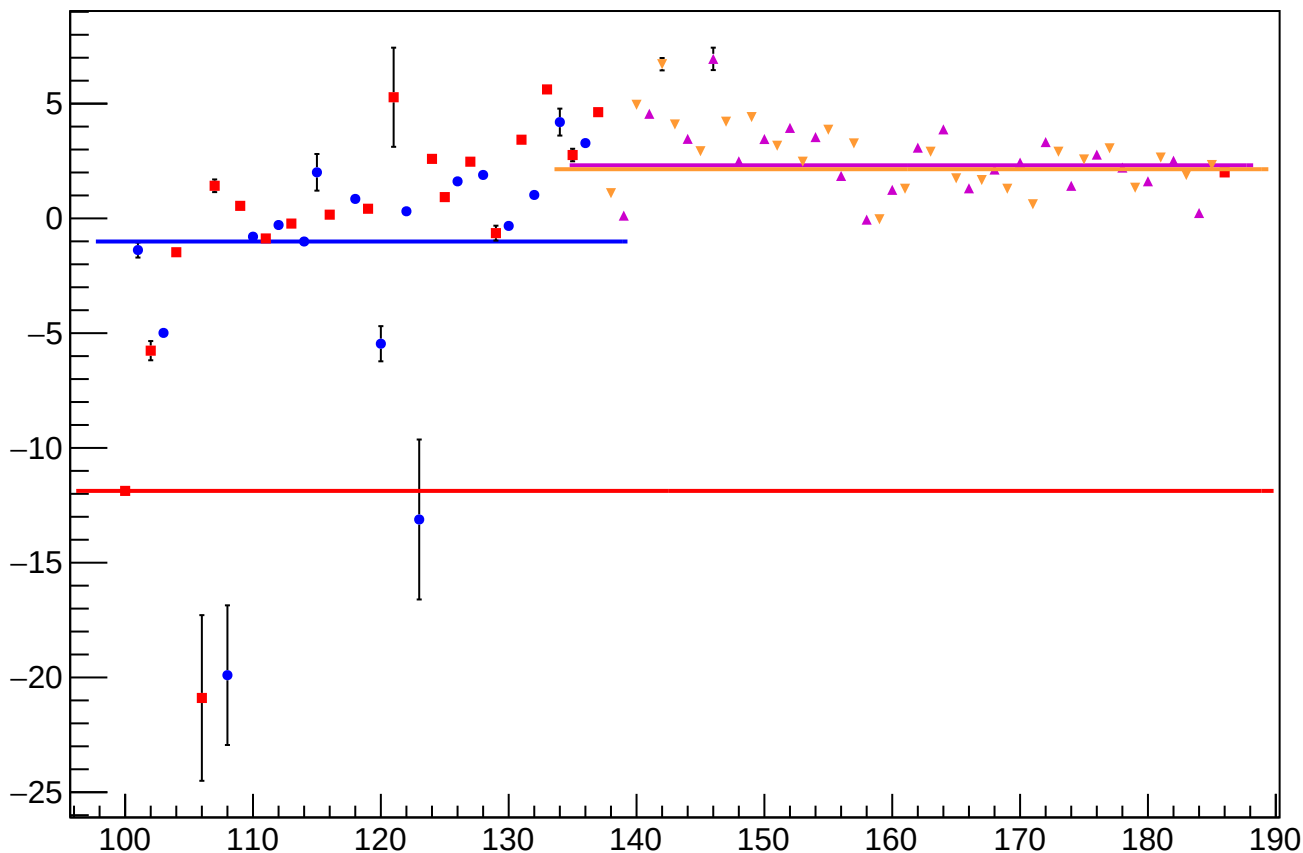
Right: 189.551 $\pm$ 0.000 χ^2 /NDF: 1819391.8/36

In: 189.551 $\pm$ 0.000 χ^2 /NDF: 10947333.0/39

Out: 117.422 $\pm$ 0.021 χ^2 /NDF: 692125.1/44

All: 189.551 $\pm$ 0.000 χ^2 /NDF: 23360460.1/84

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7057.7/16

Left Out: 2.143 ± 0.015 χ^2/NDF : 6585.0/24

Right Out: -11.872 ± 0.000 χ^2/NDF : 515659.0/19

Left In: 2.313 ± 0.014 χ^2/NDF : 7446.3/22

Left: 2.231 ± 0.010 χ^2/NDF : 14101.5/47

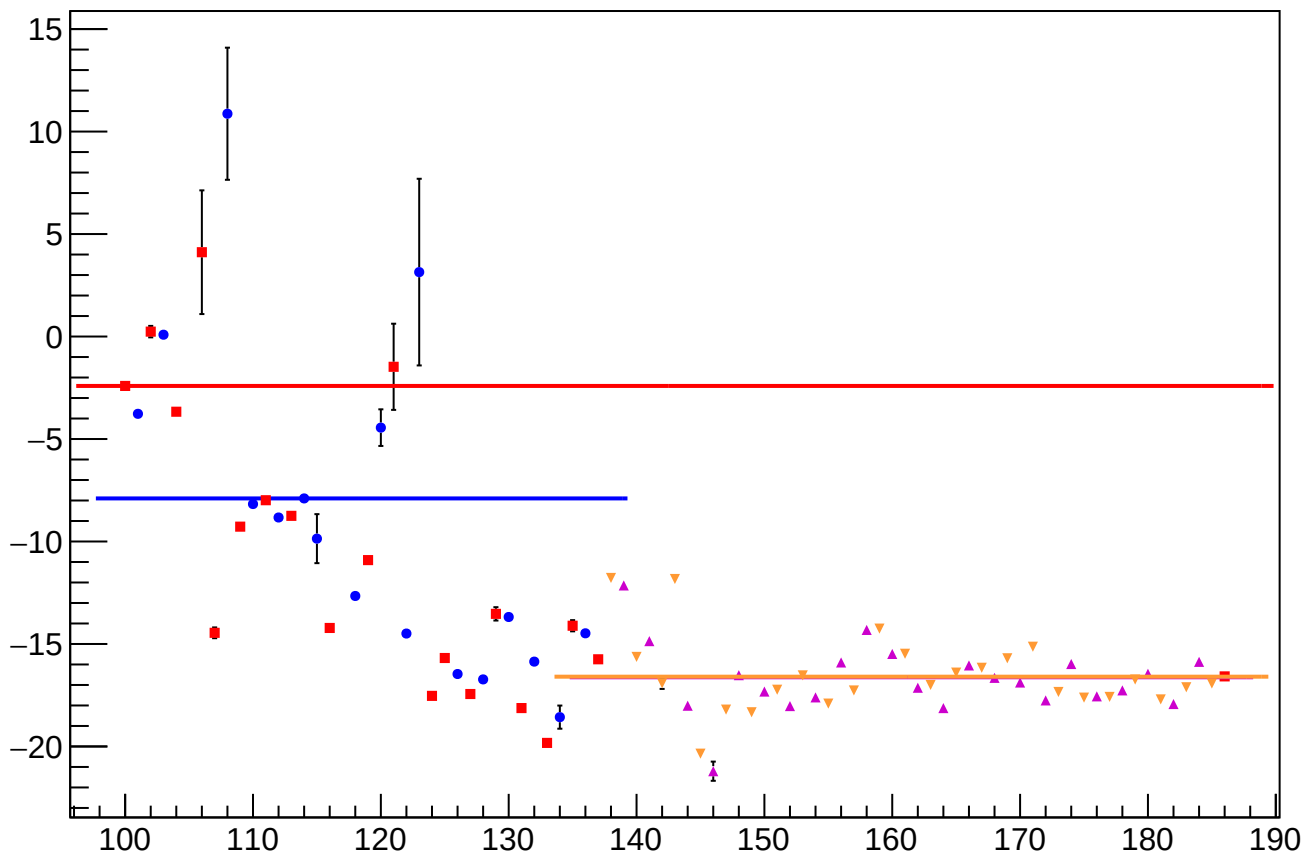
Right: -1.365 ± 0.000 χ^2/NDF : 2170760676638215

In: -1.007 ± 0.000 χ^2/NDF : 70228.0/39

Out: -11.872 ± 0.000 χ^2/NDF : 1437476.1/44

All: -1.365 ± 0.000 χ^2/NDF : 2170760676638

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -7.899 ± 0.000 $\chi^2/\text{NDF}: 39443.5/16$

Left Out: -16.595 ± 0.014 $\chi^2/\text{NDF}: 8432.7/24$

Right Out: -2.410 ± 0.000 $\chi^2/\text{NDF}: 220251.9/19$

Left In: -16.625 ± 0.015 $\chi^2/\text{NDF}: 6289.5/22$

Left: -16.610 ± 0.010 $\chi^2/\text{NDF}: 14724.4/47$

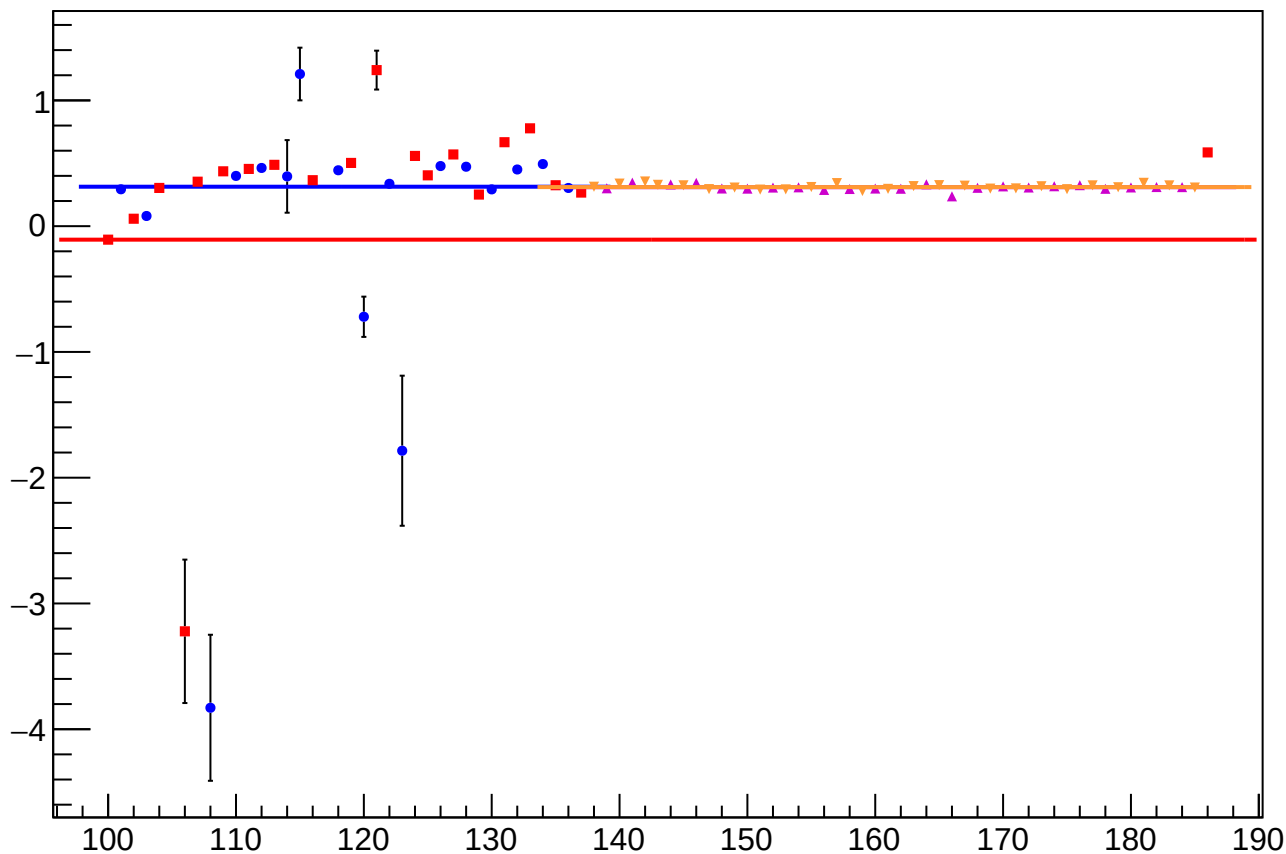
Right: -4.135 ± 0.000 $\chi^2/\text{NDF}: 2879850560728951$

In: -7.899 ± 0.000 $\chi^2/\text{NDF}: 398540.8/39$

Out: -2.410 ± 0.000 $\chi^2/\text{NDF}: 1201949.0/44$

All: -4.135 ± 0.000 $\chi^2/\text{NDF}: 2879850560728$

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314 ± 0.001 $\chi^2/\text{NDF}: 2748.0/16$

Left Out: 0.311 ± 0.000 $\chi^2/\text{NDF}: 4975.7/24$

Right Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 221935.9/19$

Left In: 0.310 ± 0.000 $\chi^2/\text{NDF}: 3074.6/22$

Left: 0.310 ± 0.000 $\chi^2/\text{NDF}: 8056.7/47$

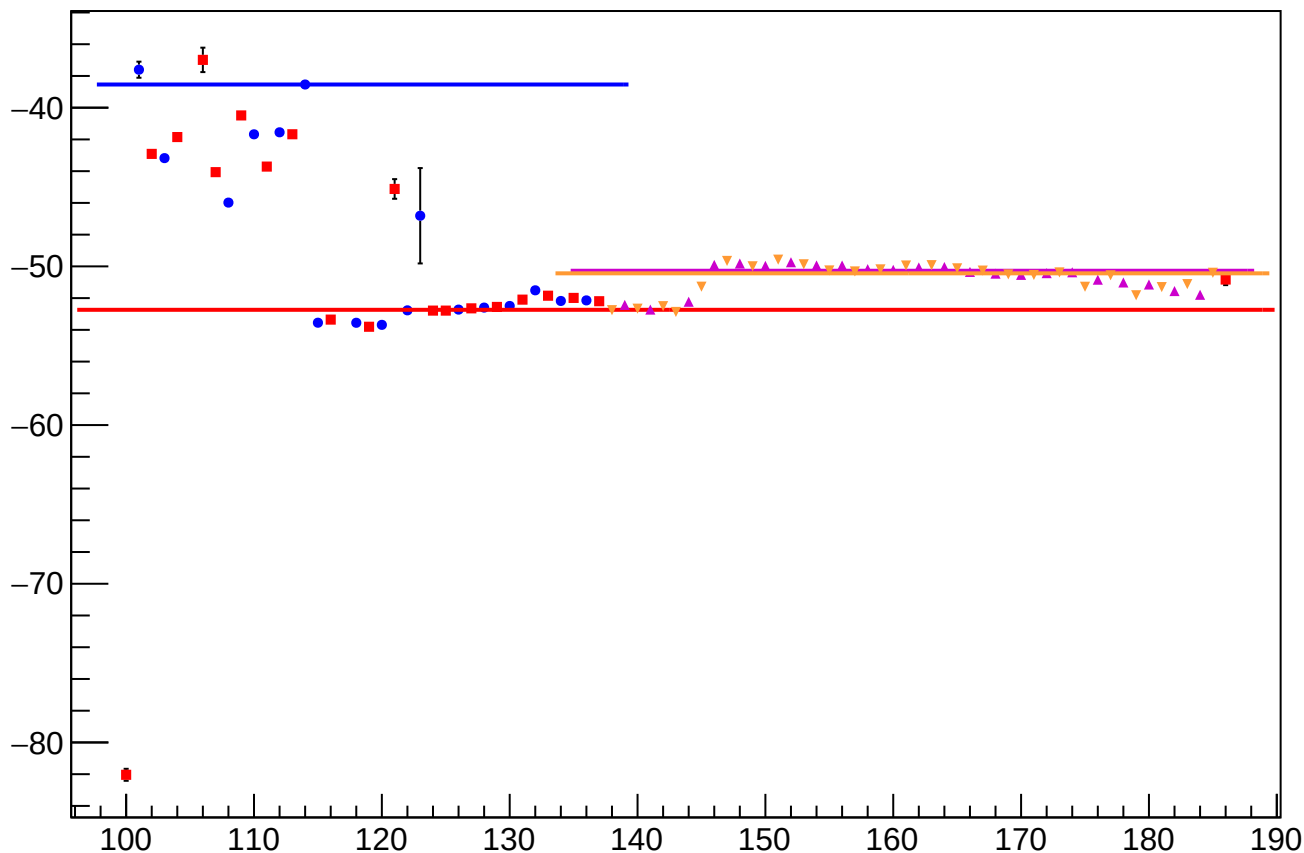
Right: -0.107 ± 0.000 $\chi^2/\text{NDF}: 411029.9/36$

In: 0.310 ± 0.000 $\chi^2/\text{NDF}: 5837.0/39$

Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 3664186.0/44$

All: -0.107 ± 0.000 $\chi^2/\text{NDF}: 7158805.7/84$

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 14950854.6/16$

Left Out: -50.438 ± 0.001 $\chi^2/\text{NDF}: 299897.3/24$

Right Out: -52.737 ± 0.002 $\chi^2/\text{NDF}: 87459.6/19$

Left In: -50.276 ± 0.001 $\chi^2/\text{NDF}: 190236.3/22$

Left: -50.350 ± 0.001 $\chi^2/\text{NDF}: 497837.6/47$

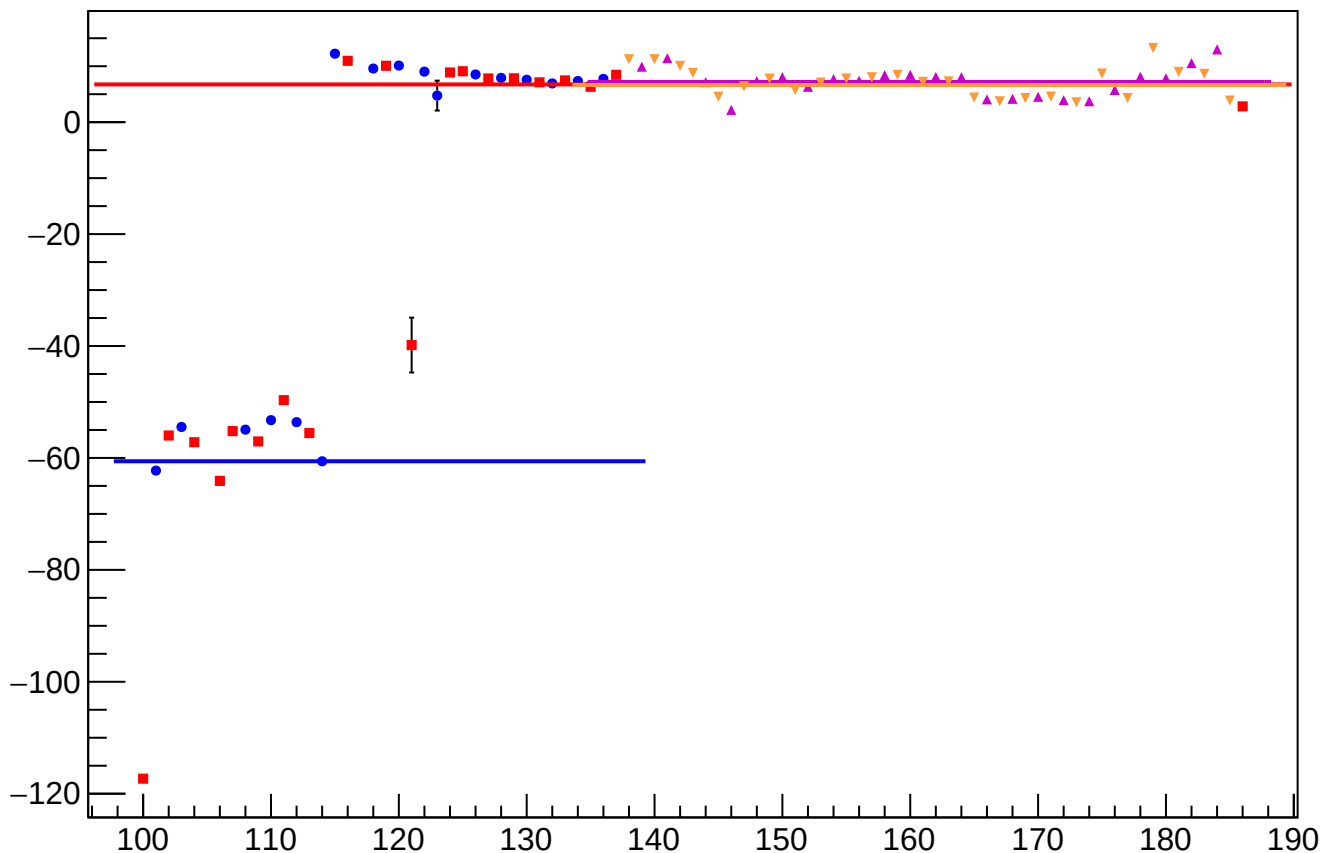
Right: -38.539 ± 0.000 $\chi^2/\text{NDF}: 72102055.4/36$

In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 103109915.6/39$

Out: -51.235 ± 0.001 $\chi^2/\text{NDF}: 1364398.9/44$

All: -38.539 ± 0.000 $\chi^2/\text{NDF}: 236140343.0/8$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 $\pm$ 0.000 χ^2 /NDF: 26122838.1/16

Left Out: 6.641 $\pm$ 0.004 χ^2 /NDF:340462.4/24

Right Out: 6.745 $\pm$ 0.011 χ^2 /NDF: 1266707.7/19

Left In: 7.179 $\pm$ 0.003 χ^2 /NDF:214127.6/22

Left: 6.926 $\pm$ 0.003 χ^2 /NDF: 565961.5/47

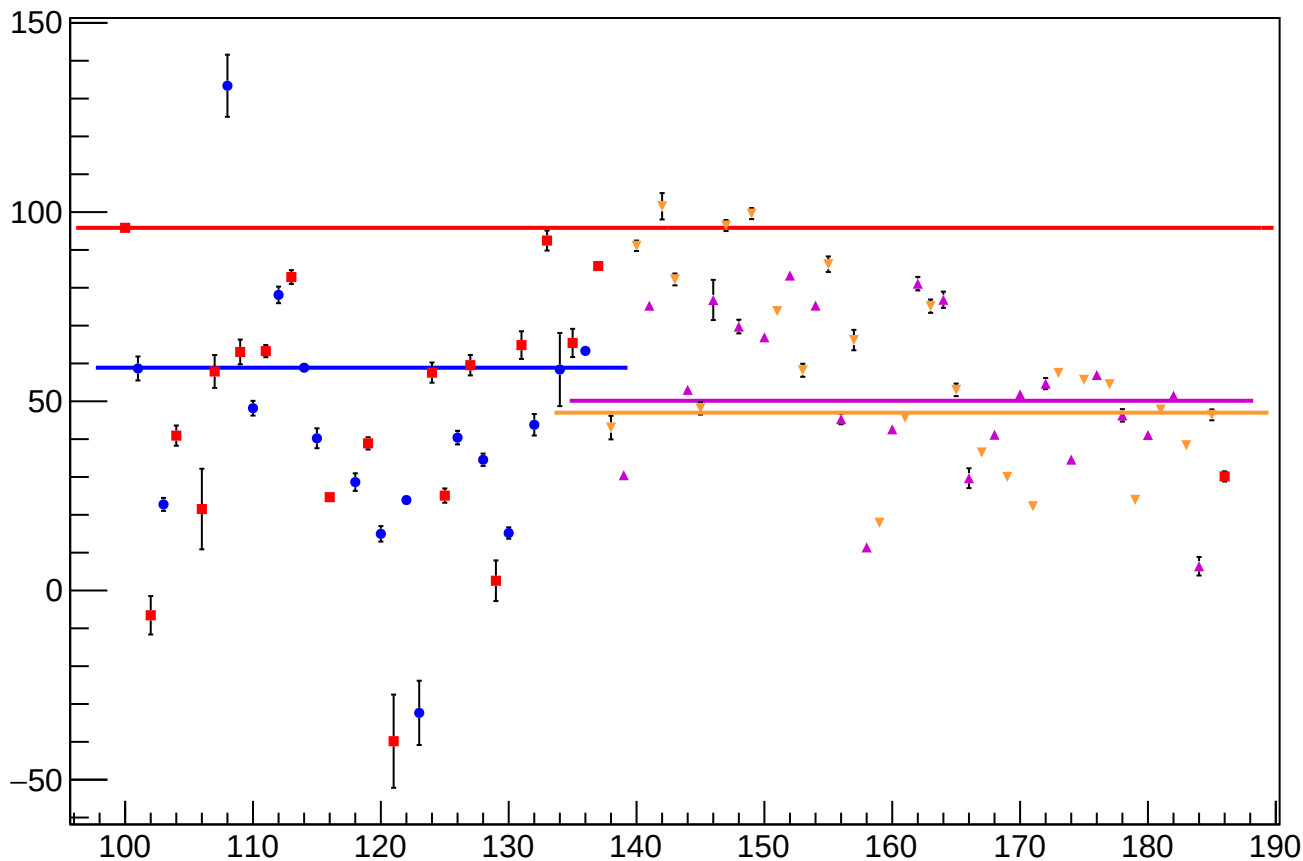
Right: -60.594 $\pm$ 0.000 χ^2 /NDF: 64807058.7/36

In: -60.594 $\pm$ 0.000 χ^2 /NDF:410193700.0/39

Out: 6.651 $\pm$ 0.003 χ^2 /NDF:1607251.0/44

All: -60.594 $\pm$ 0.000 χ^2 /NDF: 783283511.1/8

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 ± 0.000 $\chi^2/\text{NDF}: 3814.7/16$

Left Out: 46.995 ± 0.215 $\chi^2/\text{NDF}: 9203.7/24$

Right Out: 95.846 ± 0.000 $\chi^2/\text{NDF}: 41779.7/19$

Left In: 50.144 ± 0.212 $\chi^2/\text{NDF}: 6667.7/22$

Left: 48.595 ± 0.151 $\chi^2/\text{NDF}: 15980.5/47$

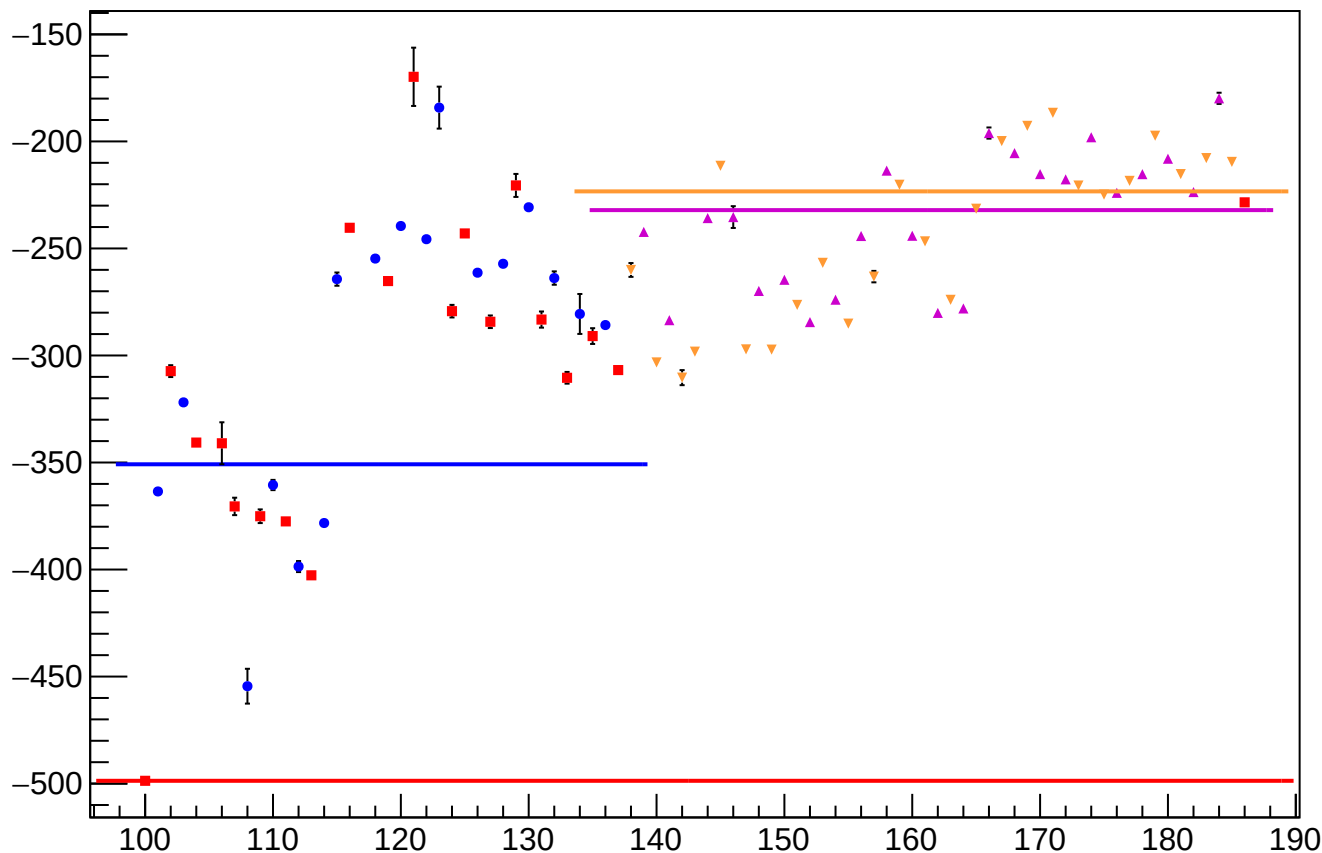
Right: 60.098 ± 0.000 $\chi^2/\text{NDF}: 9815233945666380$

In: 58.880 ± 0.000 $\chi^2/\text{NDF}: 12188.3/39$

Out: 95.846 ± 0.000 $\chi^2/\text{NDF}: 102624.2/44$

All: 60.098 ± 0.000 $\chi^2/\text{NDF}: 9815233945666$

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -350.833 ± 0.245 $\chi^2/\text{NDF}: 41301.1/16$

Left Out: -223.342 ± 0.215 $\chi^2/\text{NDF}: 22293.9/24$

Right Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 561270.2/19$

Left In: -232.094 ± 0.217 $\chi^2/\text{NDF}: 17468.1/22$

Left: -227.678 ± 0.153 $\chi^2/\text{NDF}: 40579.8/47$

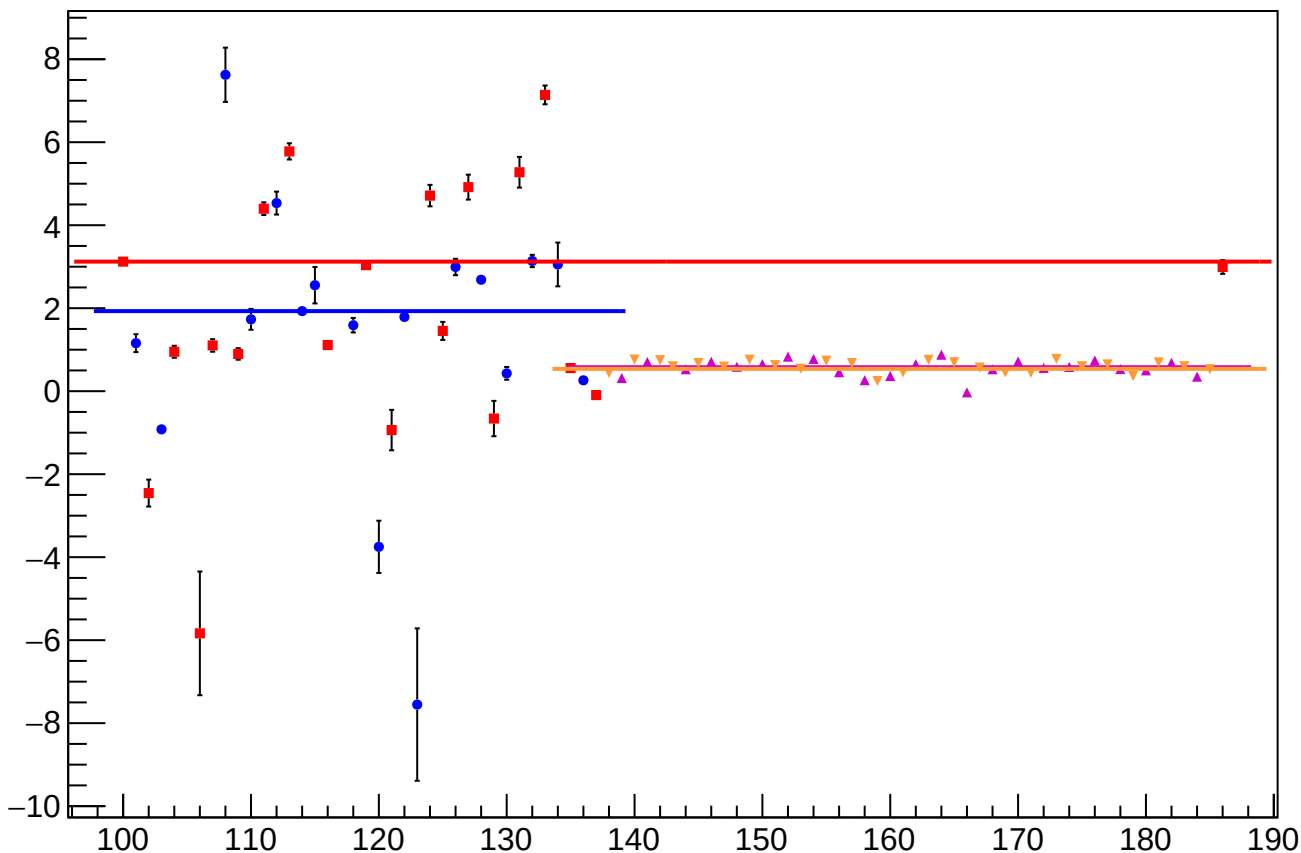
Right: -498.692 ± 0.000 $\chi^2/\text{NDF}: 968180.2/36$

In: -284.516 ± 0.162 $\chi^2/\text{NDF}: 190454.9/39$

Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 2217227.4/44$

All: -498.692 ± 0.000 $\chi^2/\text{NDF}: 4145265.2/84$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 ± 0.000 χ^2/NDF : 59970.9/16

Left Out: 0.539 ± 0.002 χ^2/NDF : 10792.6/24

Right Out: 3.123 ± 0.000 χ^2/NDF : 512566.1/19

Left In: 0.577 ± 0.001 χ^2/NDF : 15533.6/22

Left: 0.561 ± 0.001 χ^2/NDF : 26629.0/47

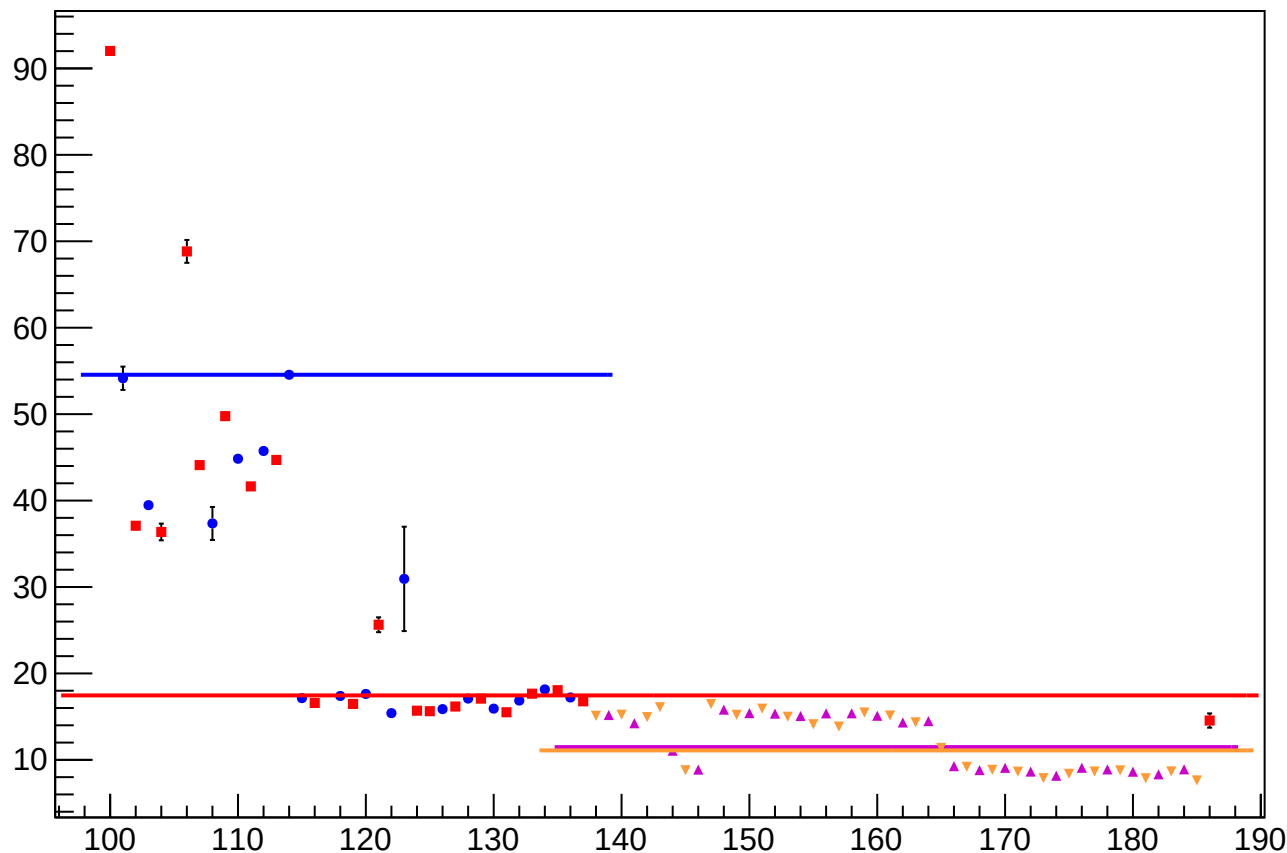
Right: 2.073 ± 0.000 χ^2/NDF : 38099534578085305

In: 1.930 ± 0.000 χ^2/NDF : 944701.6/39

Out: 3.123 ± 0.000 χ^2/NDF : 2908401.8/44

All: 2.073 ± 0.000 χ^2/NDF : 38099534578085305

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556 $\pm$ 0.000 χ^2/NDF : 7238433.0/16

Left Out: 11.095 $\pm$ 0.005 χ^2/NDF : 381518.3/24

Right Out: 17.457 $\pm$ 0.018 χ^2/NDF : 99320.9/19

Left In: 11.477 $\pm$ 0.005 χ^2/NDF : 381285.2/22

Left: 11.291 $\pm$ 0.004 χ^2/NDF : 765409.6/47

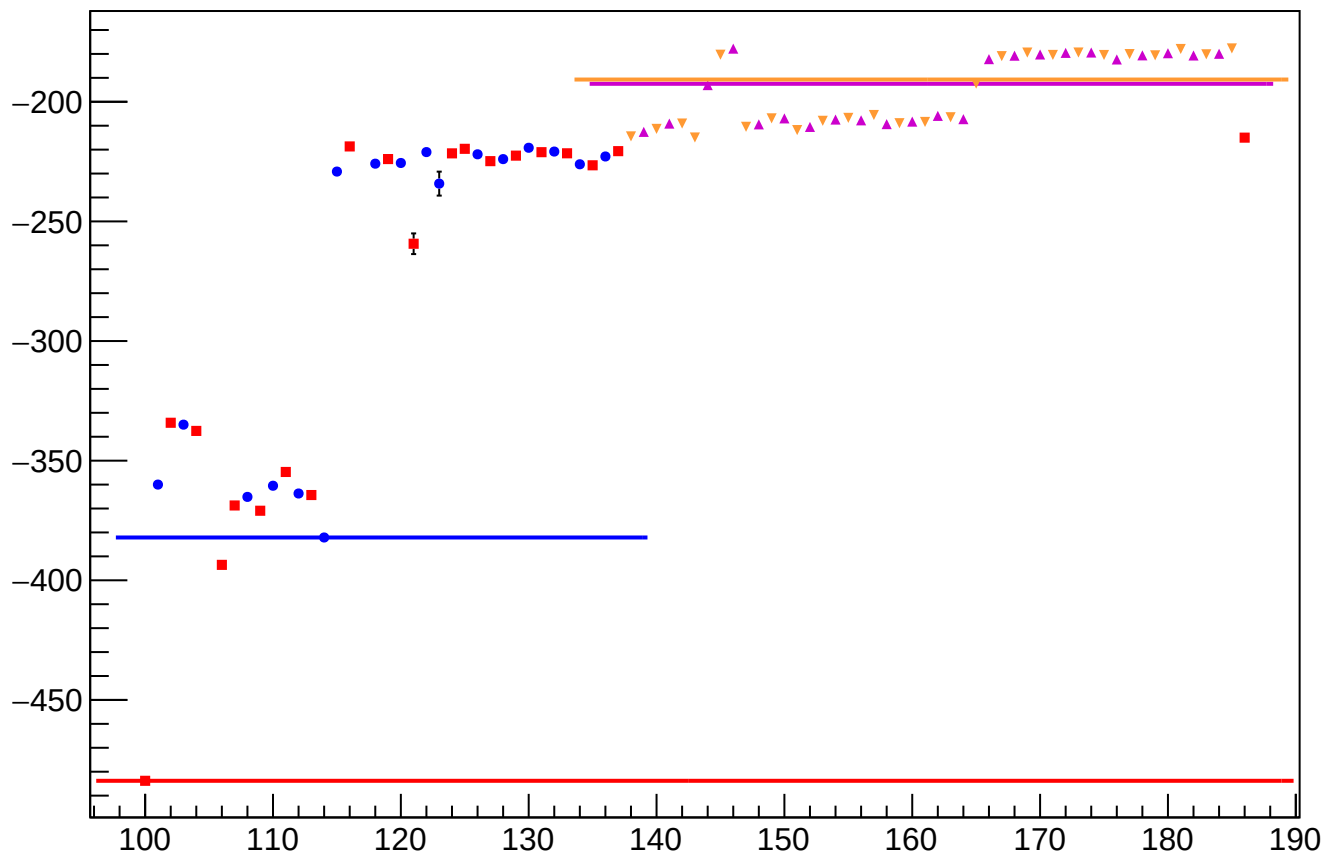
Right: 54.556 $\pm$ 0.000 χ^2/NDF : 11456287.7/36

In: 54.556 $\pm$ 0.000 χ^2/NDF : 75565168.9/39

Out: 11.598 $\pm$ 0.005 χ^2/NDF : 592369.2/44

All: 54.556 $\pm$ 0.000 χ^2/NDF : 145989822.2/84

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 18398024.3/16

Left Out: -190.703+/-0.011 χ^2/NDF : 1602184.8/24

Right Out: -483.800+/-0.000 χ^2/NDF : 24422871.3/19

Left In: -192.488+/-0.011 χ^2/NDF : 1500910.9/22

Left: -191.577+/-0.008 χ^2/NDF : 3115630.8/47

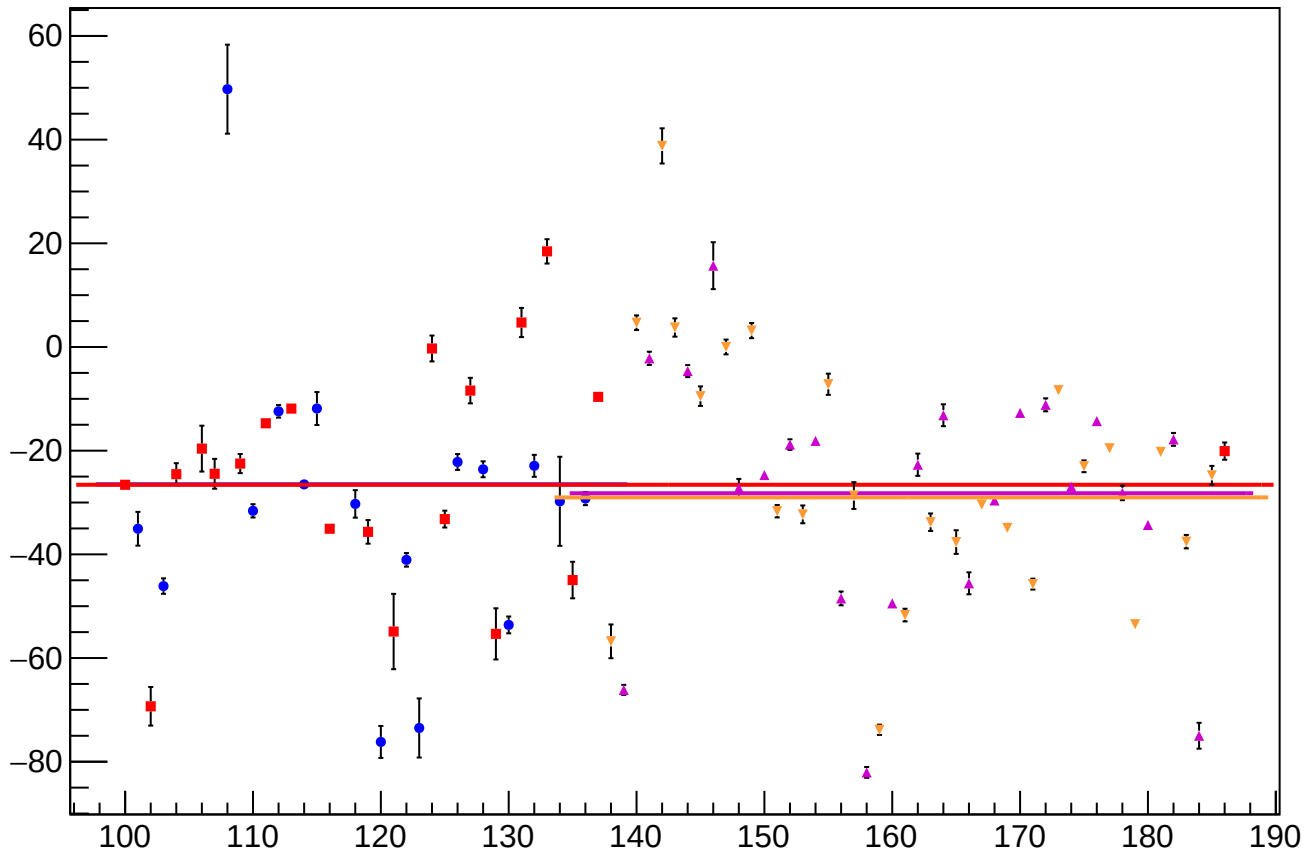
Right: -417.999+/-0.000 χ^2/NDF : 12425488813367

In: -382.108+/-0.000 χ^2/NDF : 297012180.6/39

Out: -483.800+/-0.000 χ^2/NDF : 716204816.1/44

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: -29.022 ± 0.235 $\chi^2/\text{NDF}: 7110.5/24$

Right Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 2656.1/19$

Left In: -28.215 ± 0.215 $\chi^2/\text{NDF}: 7786.5/22$

Left: -28.582 ± 0.158 $\chi^2/\text{NDF}: 14903.4/47$

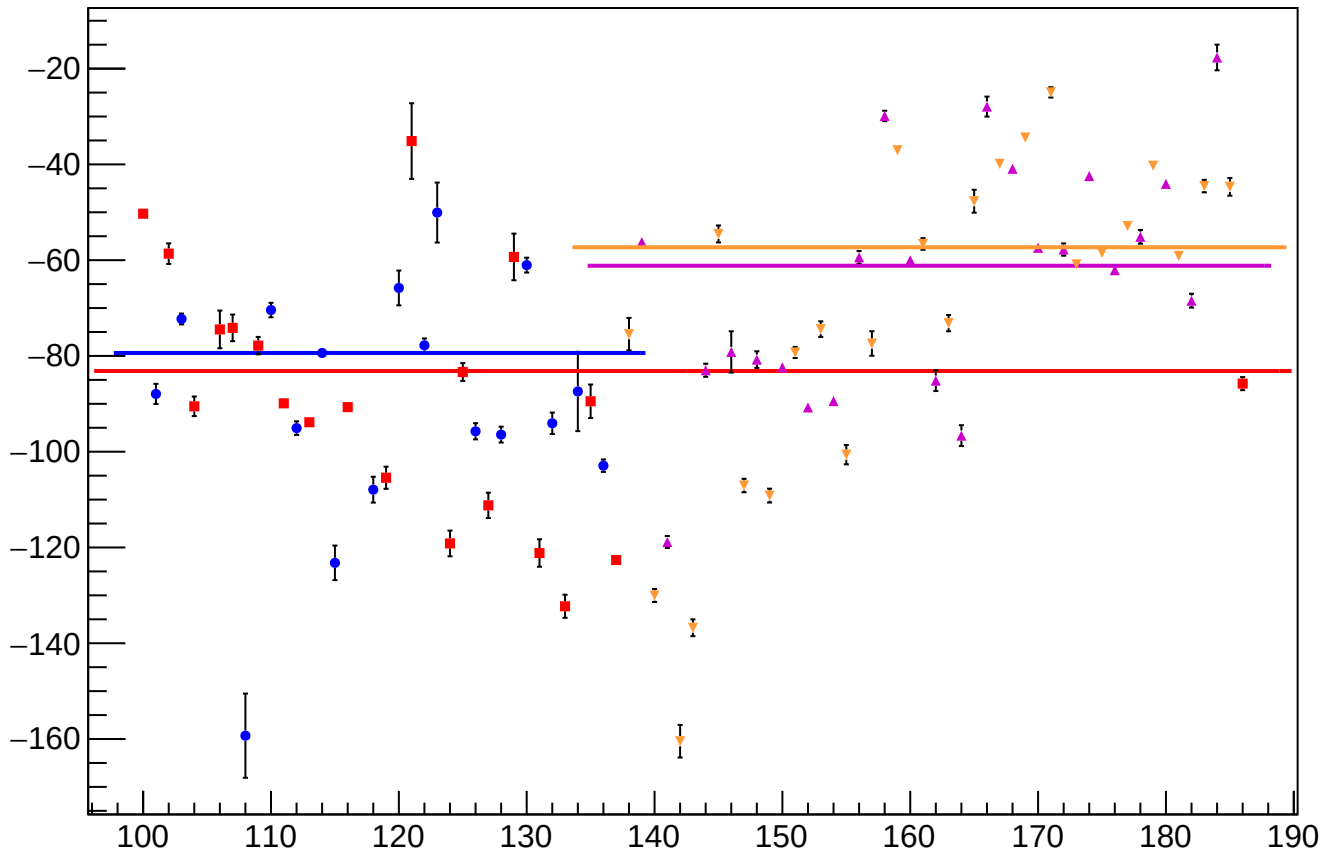
Right: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654659$

In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 9030.8/39$

Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 9875.1/44$

All: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 1304.6/16$

Left Out: -57.300 ± 0.229 $\chi^2/\text{NDF}: 13067.7/24$

Right Out: -83.143 ± 0.177 $\chi^2/\text{NDF}: 11919.6/19$

Left In: -61.164 ± 0.218 $\chi^2/\text{NDF}: 8941.7/22$

Left: -59.332 ± 0.158 $\chi^2/\text{NDF}: 22158.9/47$

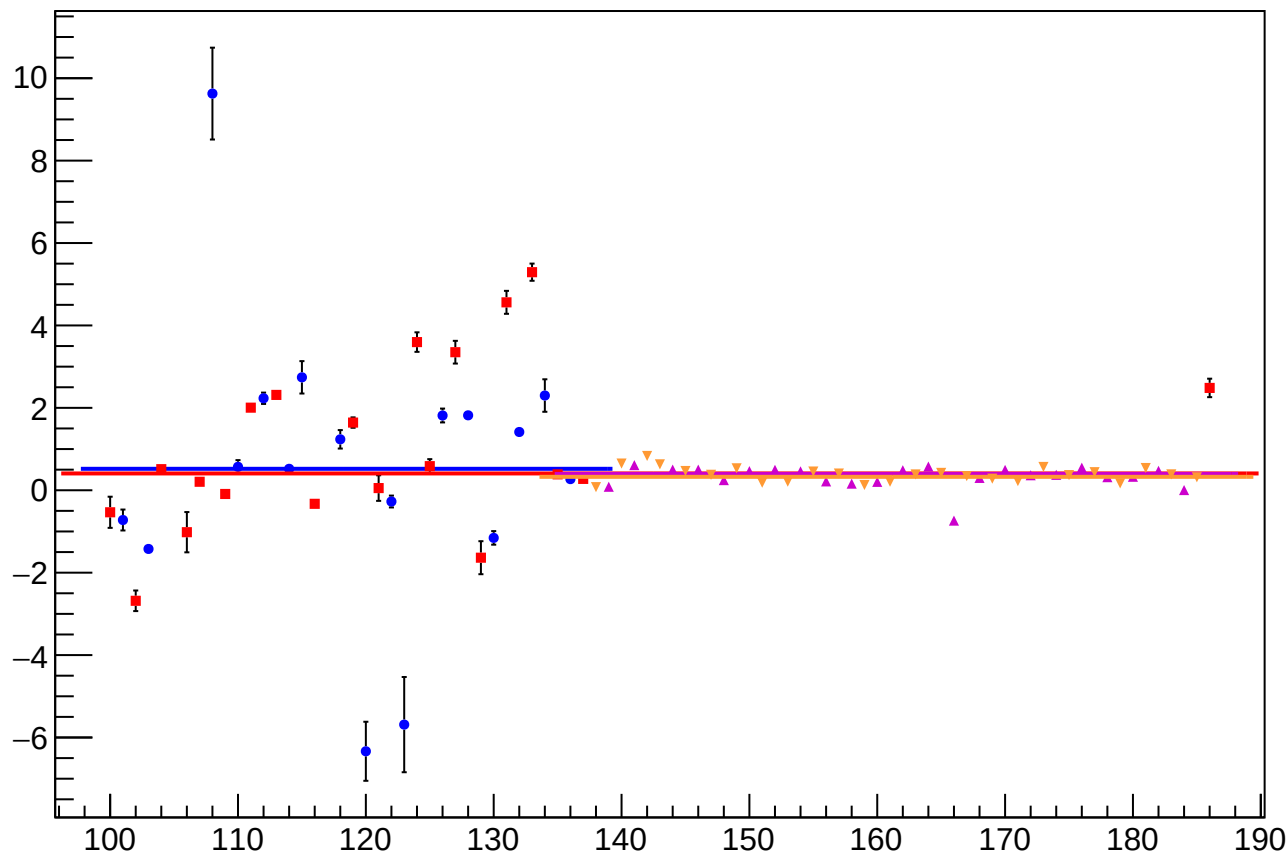
Right: -79.376 ± 0.000 $\chi^2/\text{NDF}: 13678.8/36$

In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 17252.2/39$

Out: -73.510 ± 0.140 $\chi^2/\text{NDF}: 32962.0/44$

All: -79.376 ± 0.000 $\chi^2/\text{NDF}: 51971.7/84$

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521+/-0.000 χ^2/NDF : 3370.8/16

Left Out: 0.326+/-0.002 χ^2/NDF :10419.3/24

Right Out: 0.408+/-0.011 χ^2/NDF : 2813.4/19

Left In: 0.396+/-0.001 χ^2/NDF :11392.0/22

Left: 0.365+/-0.001 χ^2/NDF : 22859.4/47

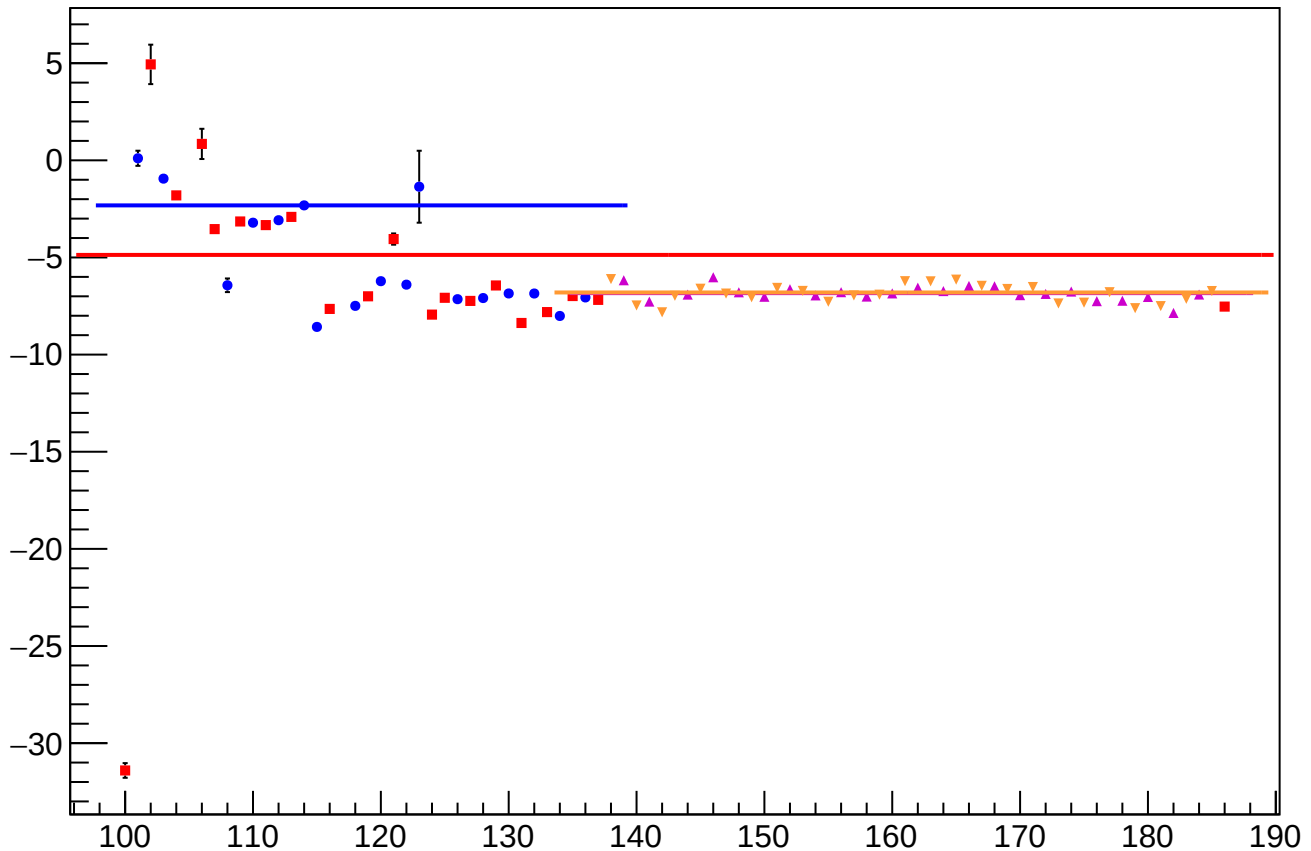
Right: 0.521+/-0.000 χ^2/NDF : 6291.7/36

In: 0.521+/-0.000 χ^2/NDF :22279.6/39

Out: 0.328+/-0.002 χ^2/NDF :13288.2/44

All: 0.521+/-0.000 χ^2/NDF : 50373.0/84

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 270771.9/16$

Left Out: -6.802 ± 0.002 $\chi^2/\text{NDF}: 14918.8/24$

Right Out: -4.869 ± 0.010 $\chi^2/\text{NDF}: 49486.8/19$

Left In: -6.836 ± 0.002 $\chi^2/\text{NDF}: 9245.1/22$

Left: -6.819 ± 0.002 $\chi^2/\text{NDF}: 24259.8/47$

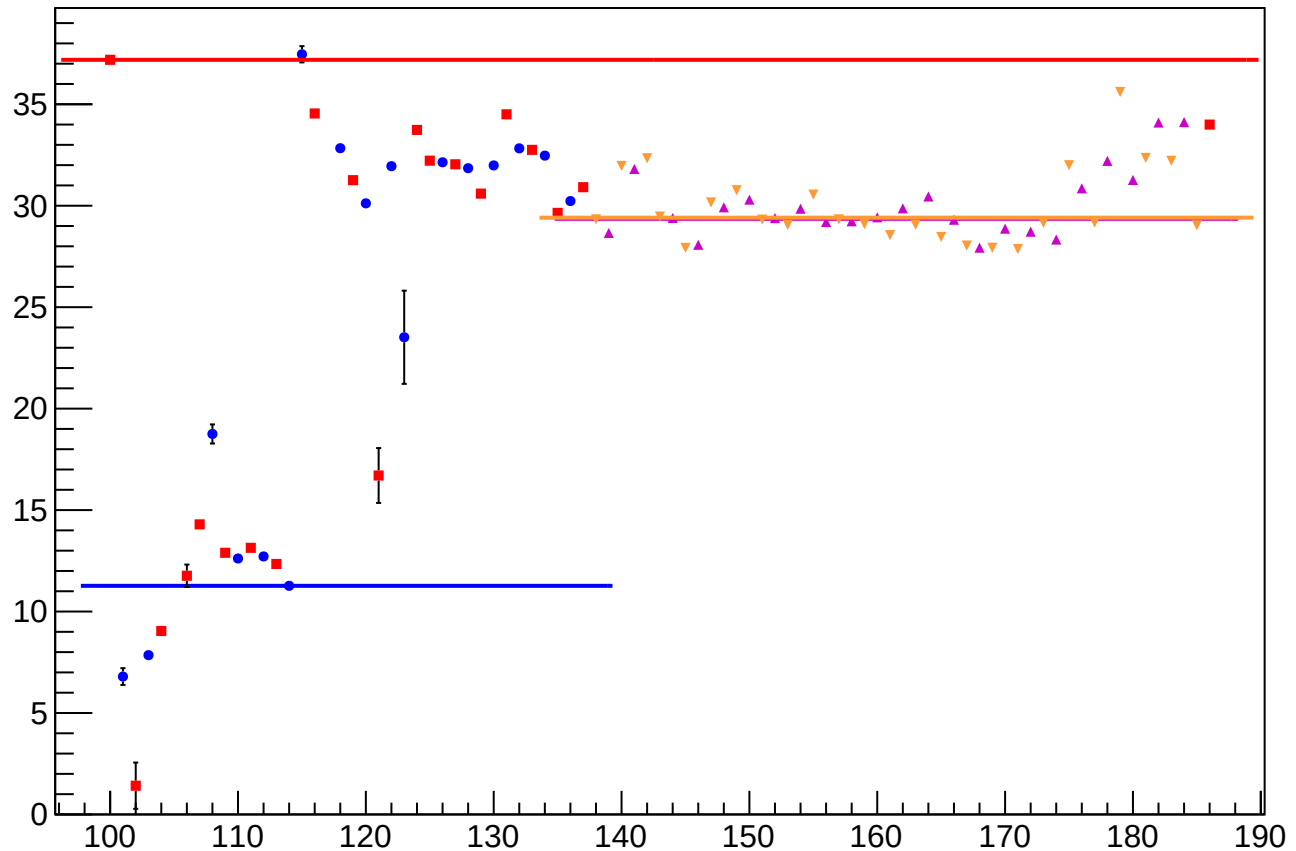
Right: -2.320 ± 0.000 $\chi^2/\text{NDF}: 381568.6/36$

In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 3792097.0/39$

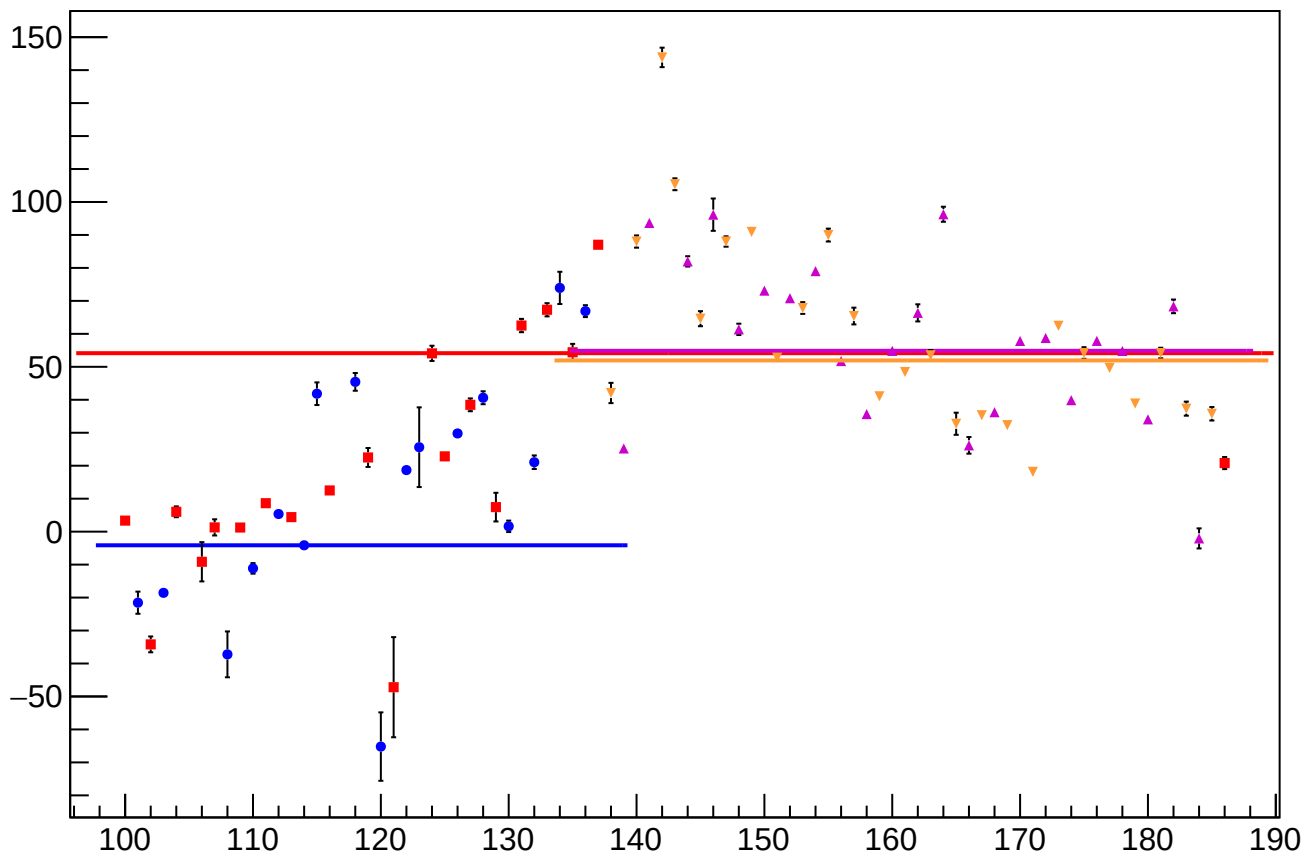
Out: -6.695 ± 0.002 $\chi^2/\text{NDF}: 97730.3/44$

All: -2.320 ± 0.000 $\chi^2/\text{NDF}: 7165719.6/84$

dit_sam3_4eY_slope vs Slug, Sign Corrected



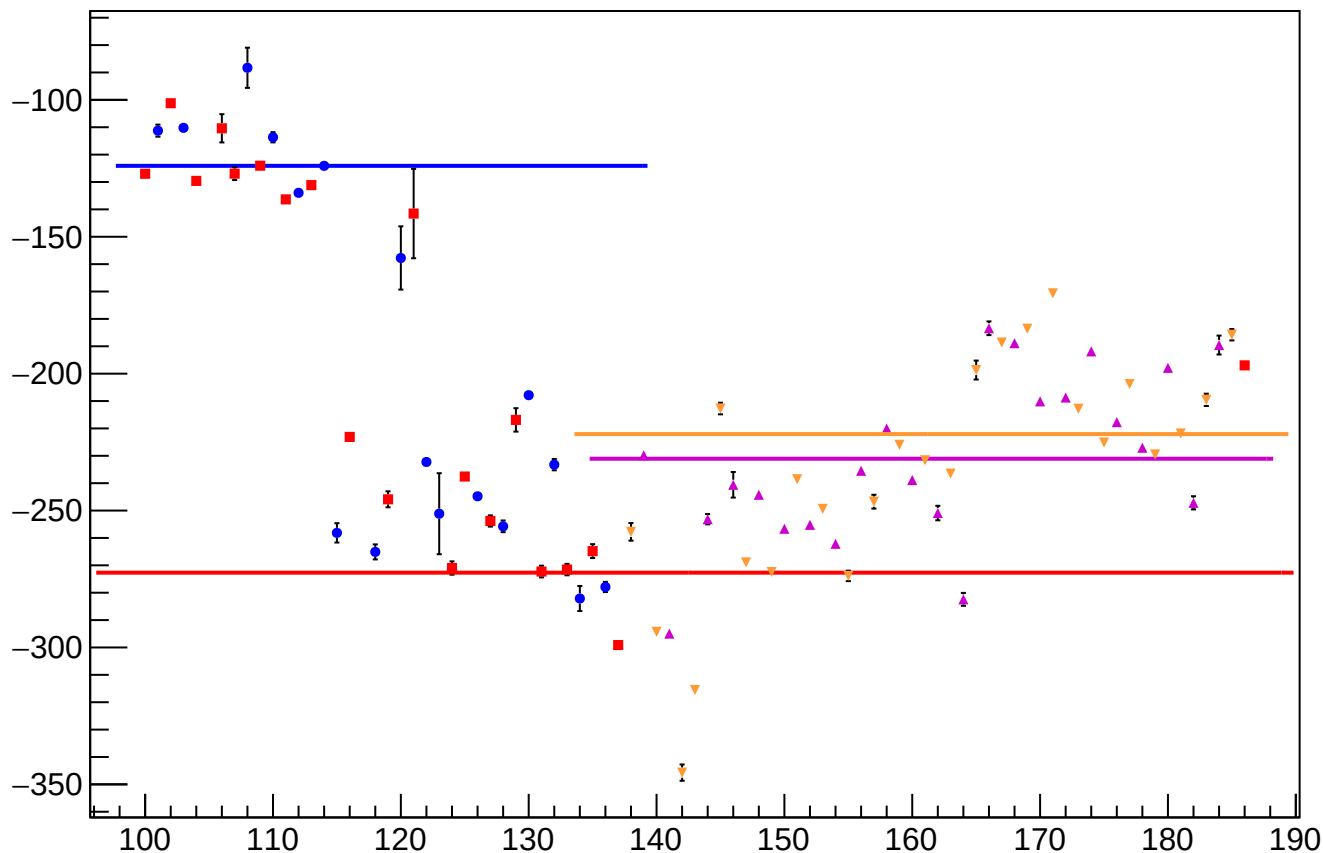
dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 χ^2/NDF : 4654.2/16
 Left Out: 51.931 ± 0.276 χ^2/NDF : 6225.4/24
 Right Out: 54.139 ± 0.169 χ^2/NDF : 54332.8/19
 Left In: 54.849 ± 0.247 χ^2/NDF : 6325.8/22

Left: 53.548 ± 0.184 χ^2/NDF : 12613.3/47
 Right: -4.139 ± 0.000 χ^2/NDF : 177214.8/36
 In: -4.139 ± 0.000 χ^2/NDF : 67934.6/39
 Out: 53.533 ± 0.144 χ^2/NDF : 60604.8/44
 All: -4.139 ± 0.000 χ^2/NDF : 288126.6/84

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 38152.5/16$

Left Out: -222.063 ± 0.272 $\chi^2/\text{NDF}: 15812.2/24$

Right Out: -272.677 ± 0.112 $\chi^2/\text{NDF}: 282936.1/19$

Left In: -231.069 ± 0.249 $\chi^2/\text{NDF}: 12005.6/22$

Left: -226.957 ± 0.184 $\chi^2/\text{NDF}: 28412.7/47$

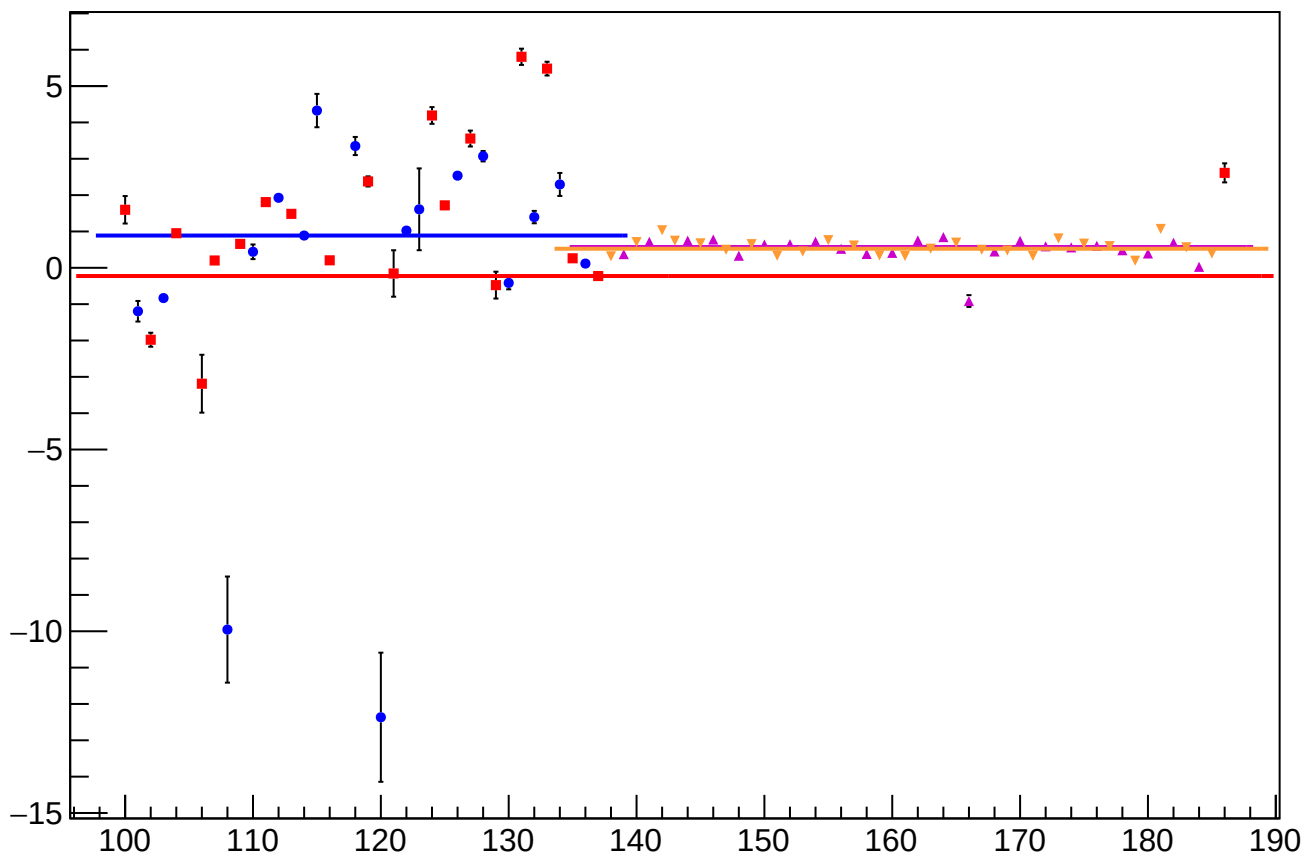
Right: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2069349.1/36$

In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 234031.5/39$

Out: -265.306 ± 0.104 $\chi^2/\text{NDF}: 328291.7/44$

All: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2410594.5/84$

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 $\pm$ 0.000 χ^2/NDF : 8672.0/16

Left Out: 0.525 $\pm$ 0.002 χ^2/NDF : 9207.9/24

Right Out: -0.226 $\pm$ 0.000 χ^2/NDF : 5148.4/19

Left In: 0.572 $\pm$ 0.002 χ^2/NDF : 5600.2/22

Left: 0.549 $\pm$ 0.001 χ^2/NDF : 15080.9/47

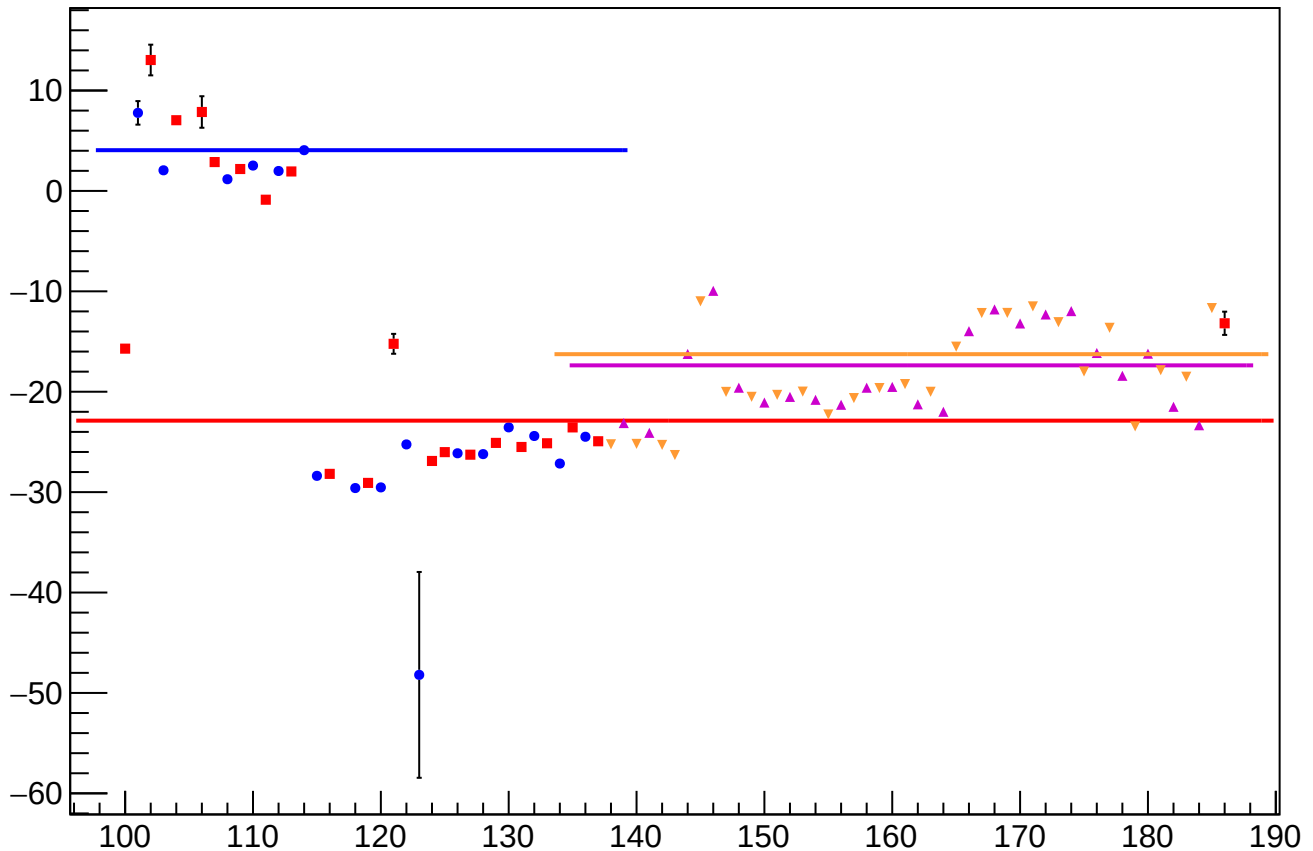
Right: 0.888 $\pm$ 0.000 χ^2/NDF : 422220573.3/36

In: 0.888 $\pm$ 0.000 χ^2/NDF : 39701.5/39

Out: -0.225 $\pm$ 0.000 χ^2/NDF : 152878.7/44

All: 0.888 $\pm$ 0.000 χ^2/NDF : 422293150.0/84

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 χ^2/NDF : 1247888.2/16

Left Out: -16.260 ± 0.010 χ^2/NDF : 188515.0/24

Right Out: -22.880 ± 0.026 χ^2/NDF : 116579.2/19

Left In: -17.374 ± 0.009 χ^2/NDF : 169487.5/22

Left: -16.854 ± 0.007 χ^2/NDF : 364596.8/47

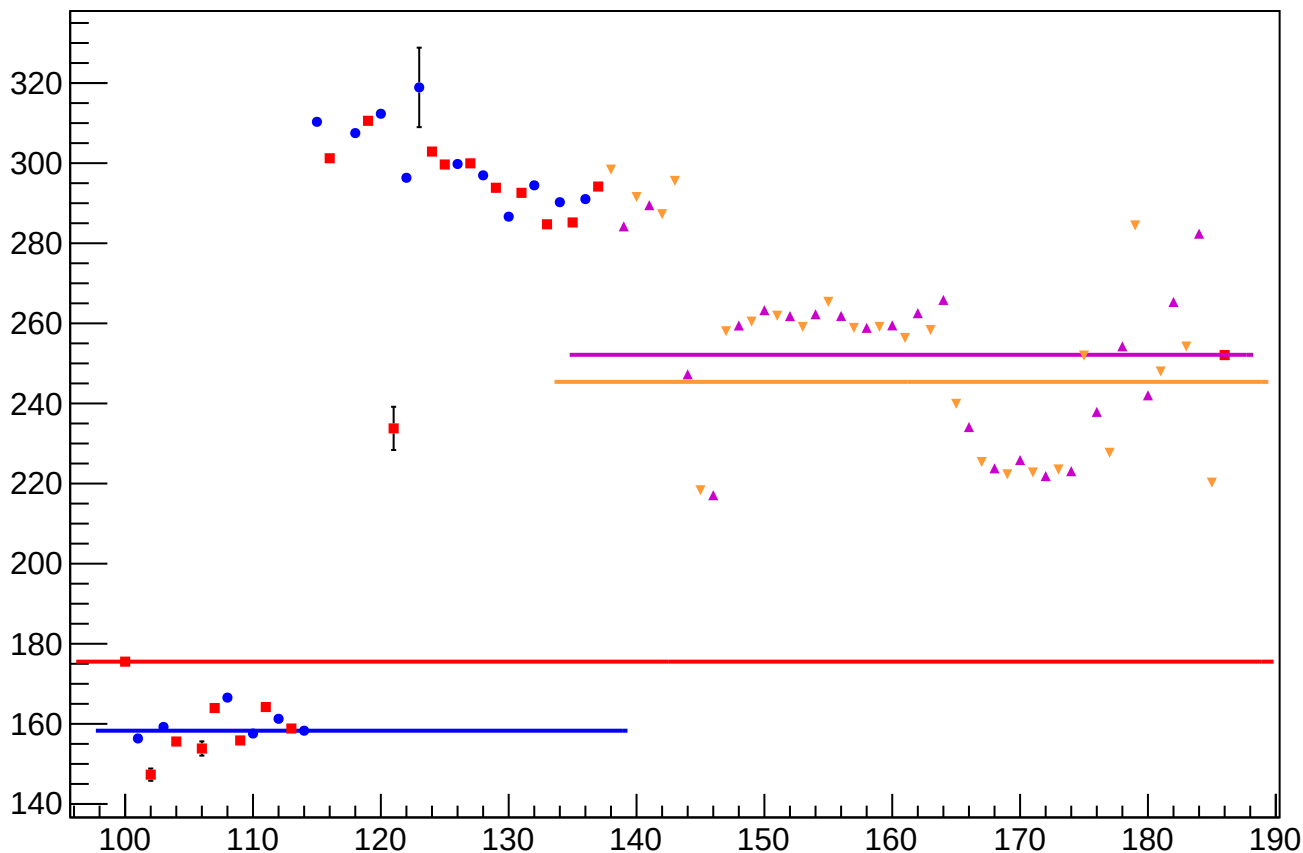
Right: 4.057 ± 0.000 χ^2/NDF : 2412395.4/36

In: 4.057 ± 0.000 χ^2/NDF : 6647641.5/39

Out: -17.097 ± 0.009 χ^2/NDF : 360379.0/44

All: 4.057 ± 0.000 χ^2/NDF : 12116558.7/84

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293 $\pm$ 0.000 χ^2 /NDF: 2410913.3/16

Left Out: 245.391 $\pm$ 0.027 χ^2 /NDF: 723564.6/24

Right Out: 175.536 $\pm$ 0.000 χ^2 /NDF: 2104672.2/19

Left In: 252.148 $\pm$ 0.028 χ^2 /NDF: 359416.7/22

Left: 248.650 $\pm$ 0.020 χ^2 /NDF: 1112396.8/47

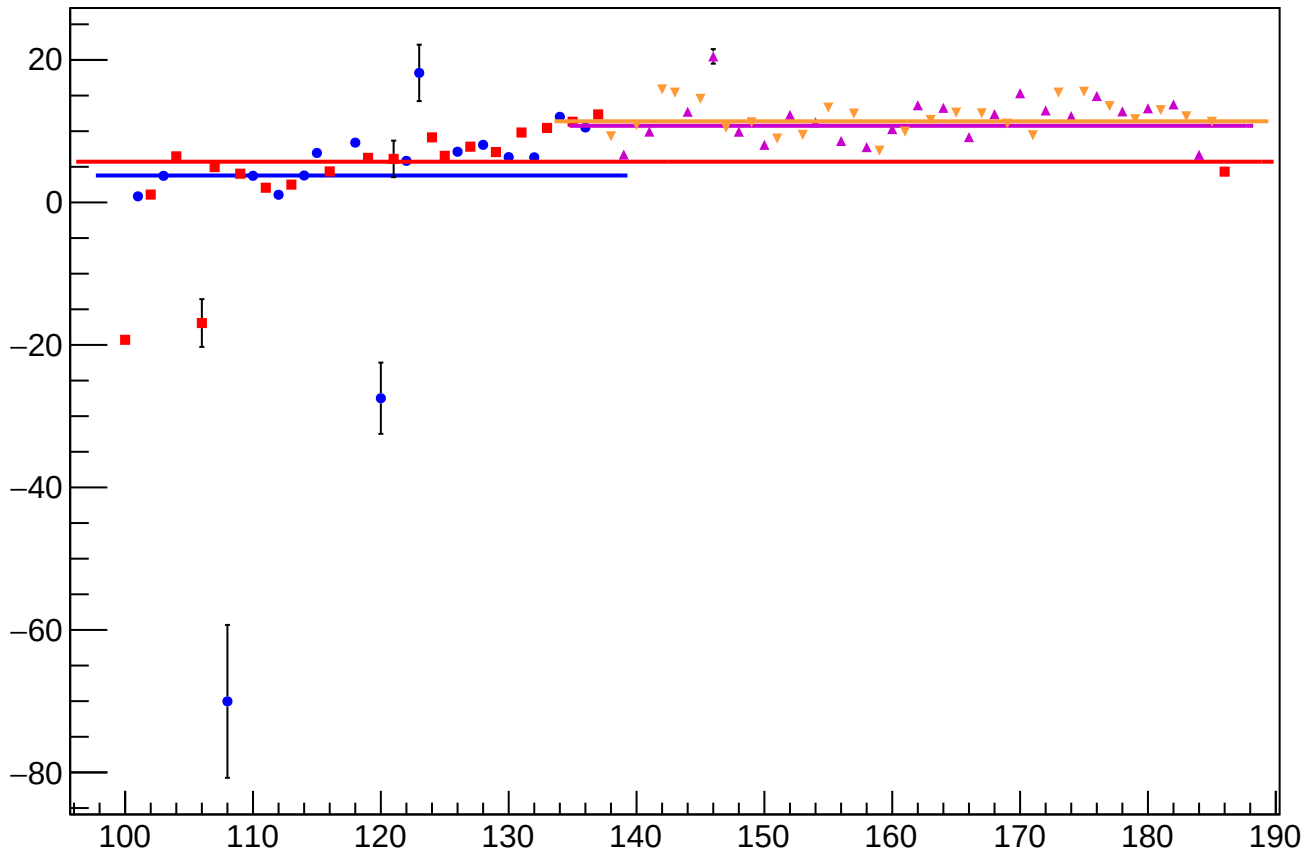
Right: 172.618 $\pm$ 0.000 χ^2 /NDF: 373727491225928

In: 158.293 $\pm$ 0.000 χ^2 /NDF: 13733965.8/39

Out: 175.536 $\pm$ 0.000 χ^2 /NDF: 9344725.1/44

All: 172.618 $\pm$ 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: 11.389 ± 0.030 χ^2/NDF : 4296.1/24

Right Out: 5.715 ± 0.025 χ^2/NDF : 22380.4/19

Left In: 10.753 ± 0.028 χ^2/NDF : 9950.6/22

Left: 11.045 ± 0.020 χ^2/NDF : 14487.9/47

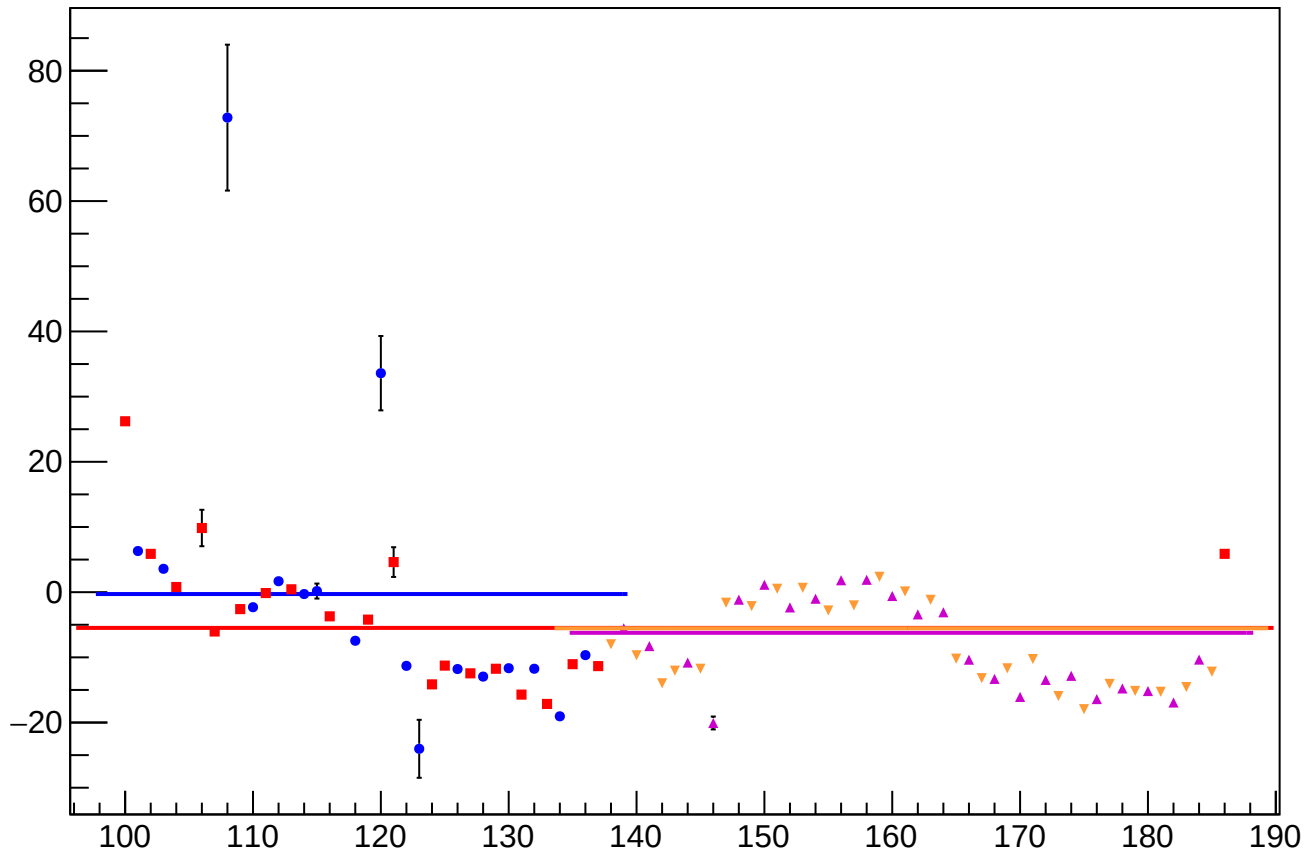
Right: 3.778 ± 0.000 χ^2/NDF : 35069.2/36

In: 3.778 ± 0.000 χ^2/NDF : 80156.3/39

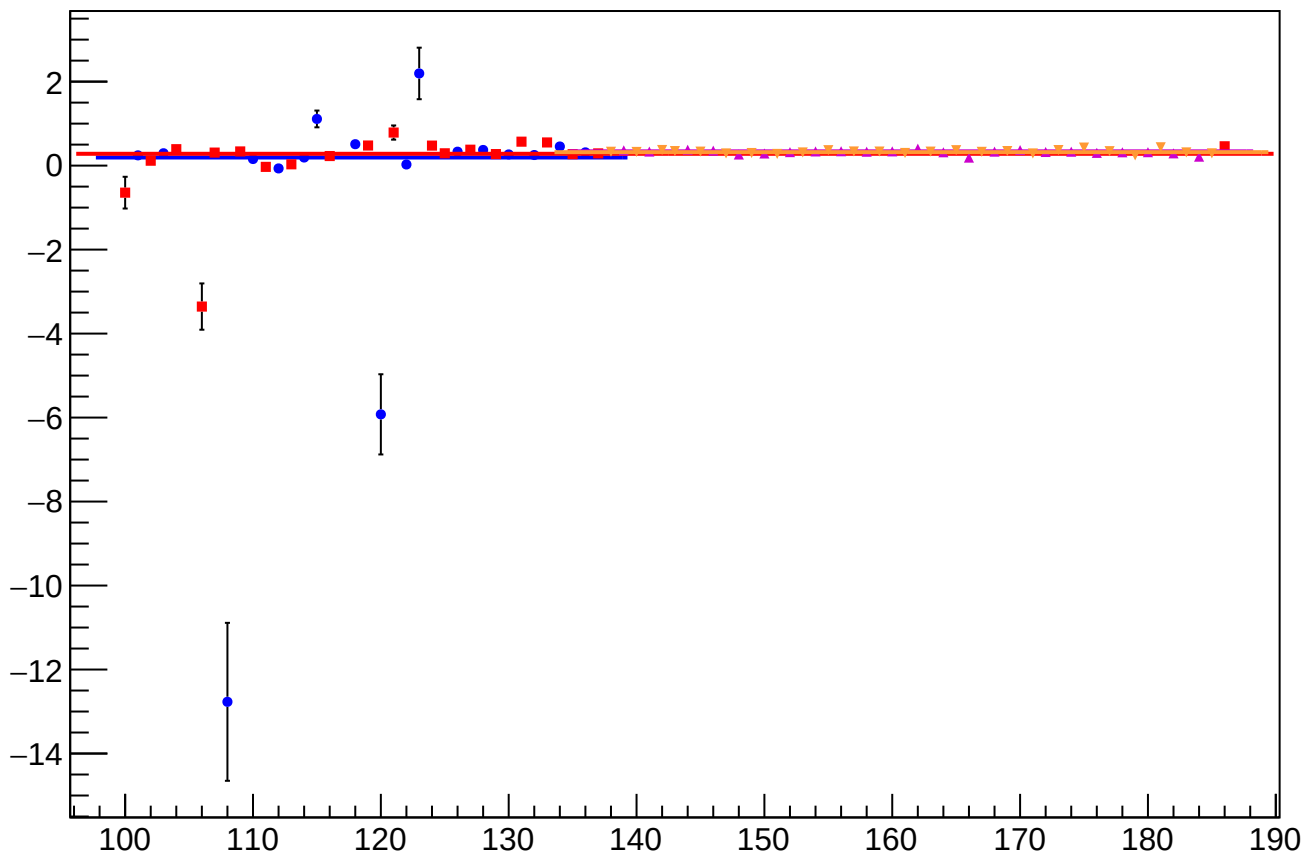
Out: 8.075 ± 0.019 χ^2/NDF : 47453.8/44

All: 3.778 ± 0.000 χ^2/NDF : 176646.4/84

dit_sam5_4eX_slope vs Slug, Sign Corrected



dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.000 χ^2/NDF : 10027.5/16

Left Out: 0.320+/-0.001 χ^2/NDF : 3374.4/24

Right Out: 0.281+/-0.001 χ^2/NDF : 6132.9/19

Left In: 0.340+/-0.001 χ^2/NDF : 4171.9/22

Left: 0.330+/-0.000 χ^2/NDF : 8287.4/47

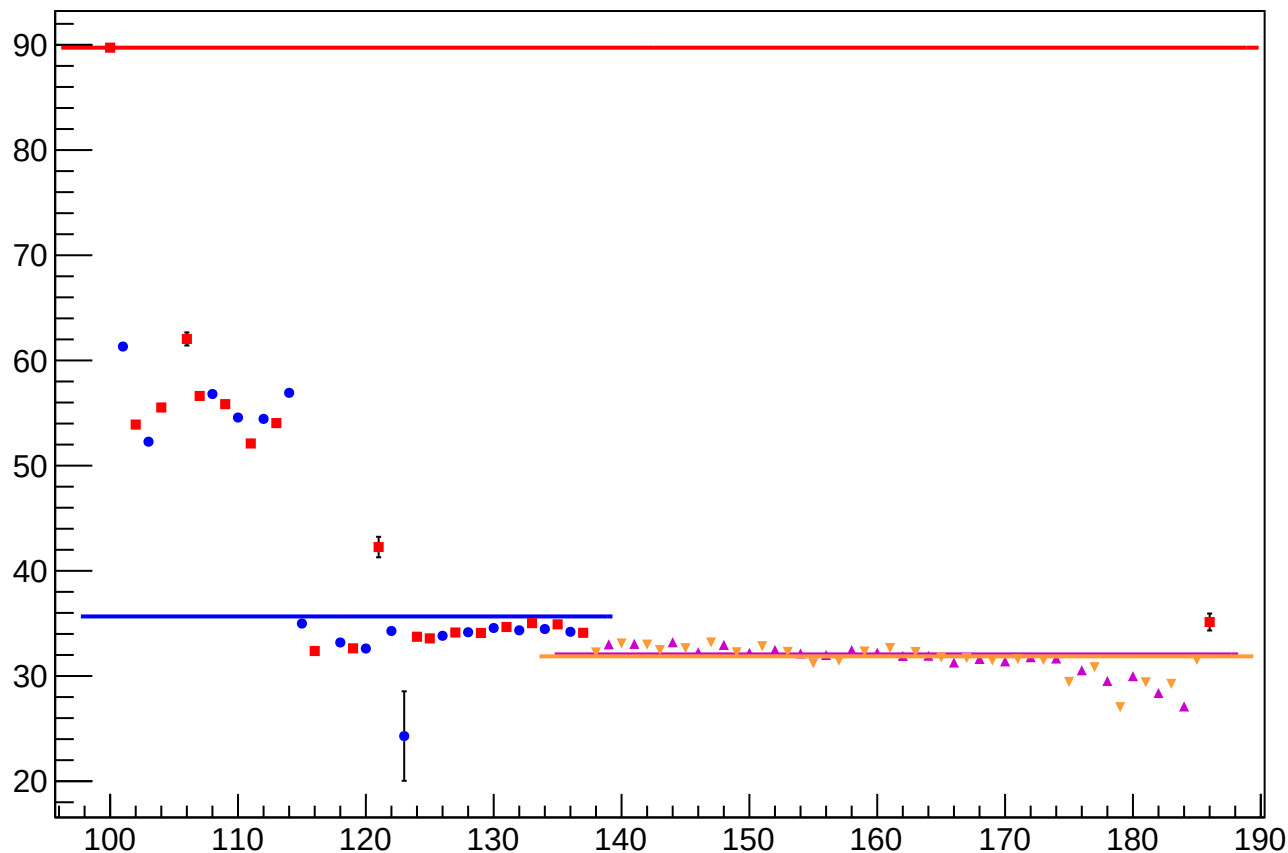
Right: 0.193+/-0.000 χ^2/NDF : 19742.6/36

In: 0.193+/-0.000 χ^2/NDF : 90796.6/39

Out: 0.316+/-0.000 χ^2/NDF : 10126.0/44

All: 0.193+/-0.000 χ^2/NDF : 167102.8/84

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.664 ± 0.011 χ^2/NDF : 218662.5/16

Left Out: 31.869 ± 0.003 χ^2/NDF : 61955.3/24

Right Out: 89.735 ± 0.000 χ^2/NDF : 25806152.7/19

Left In: 32.053 ± 0.003 χ^2/NDF : 32470.5/22

Left: 31.953 ± 0.002 χ^2/NDF : 96020.3/47

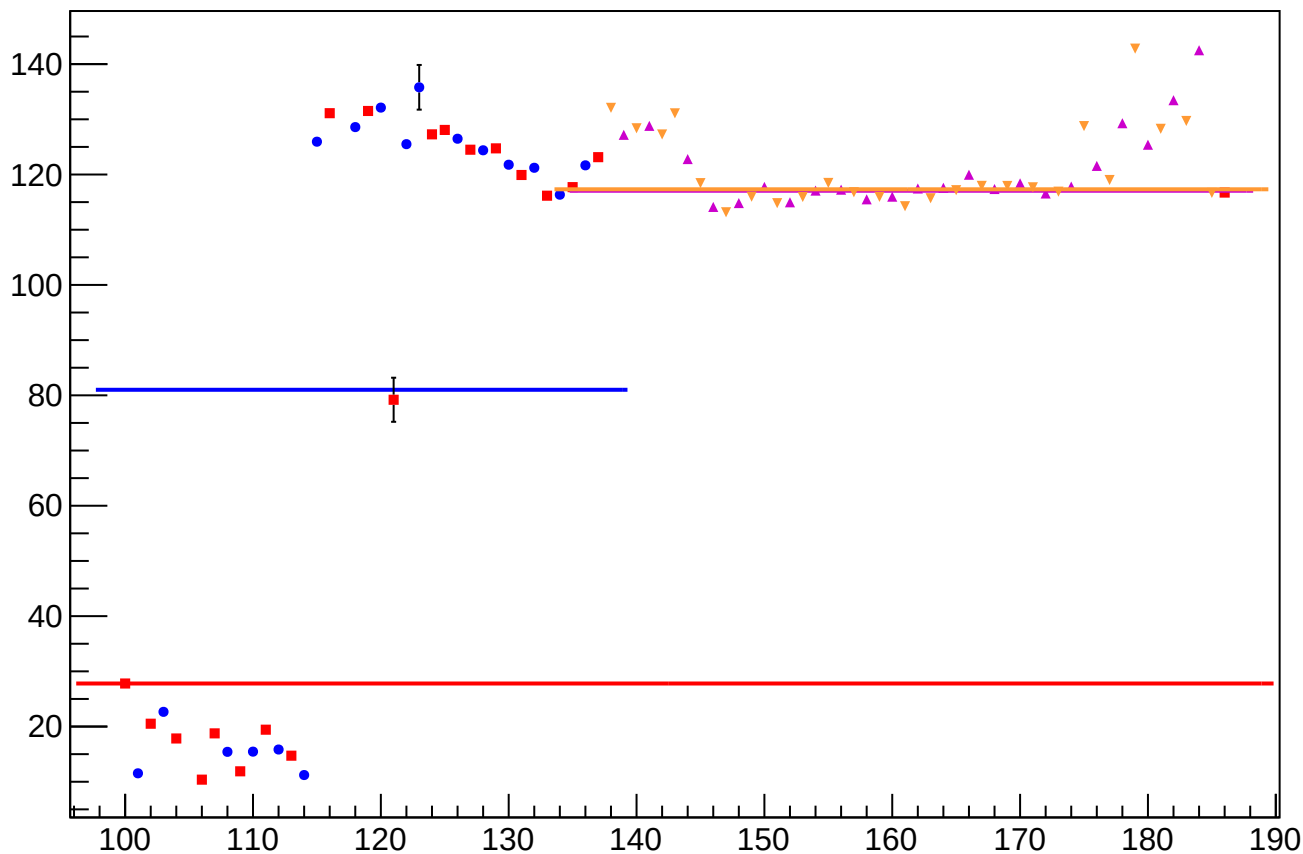
Right: 89.735 ± 0.000 χ^2/NDF : 48654615.8/36

In: 32.352 ± 0.003 χ^2/NDF : 343684.5/39

Out: 89.735 ± 0.000 χ^2/NDF : 370768460.5/44

All: 89.735 ± 0.000 χ^2/NDF : 678930075.8/84

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 81.005 $\pm$ 0.035 χ^2 /NDF: 2228881.4/16

Left Out: 117.323 $\pm$ 0.008 χ^2 /NDF: 172684.3/24

Right Out: 27.798 $\pm$ 0.000 χ^2 /NDF: 9193936.8/19

Left In: 117.061 $\pm$ 0.009 χ^2 /NDF: 62905.3/22

Left: 117.207 $\pm$ 0.006 χ^2 /NDF: 236083.4/47

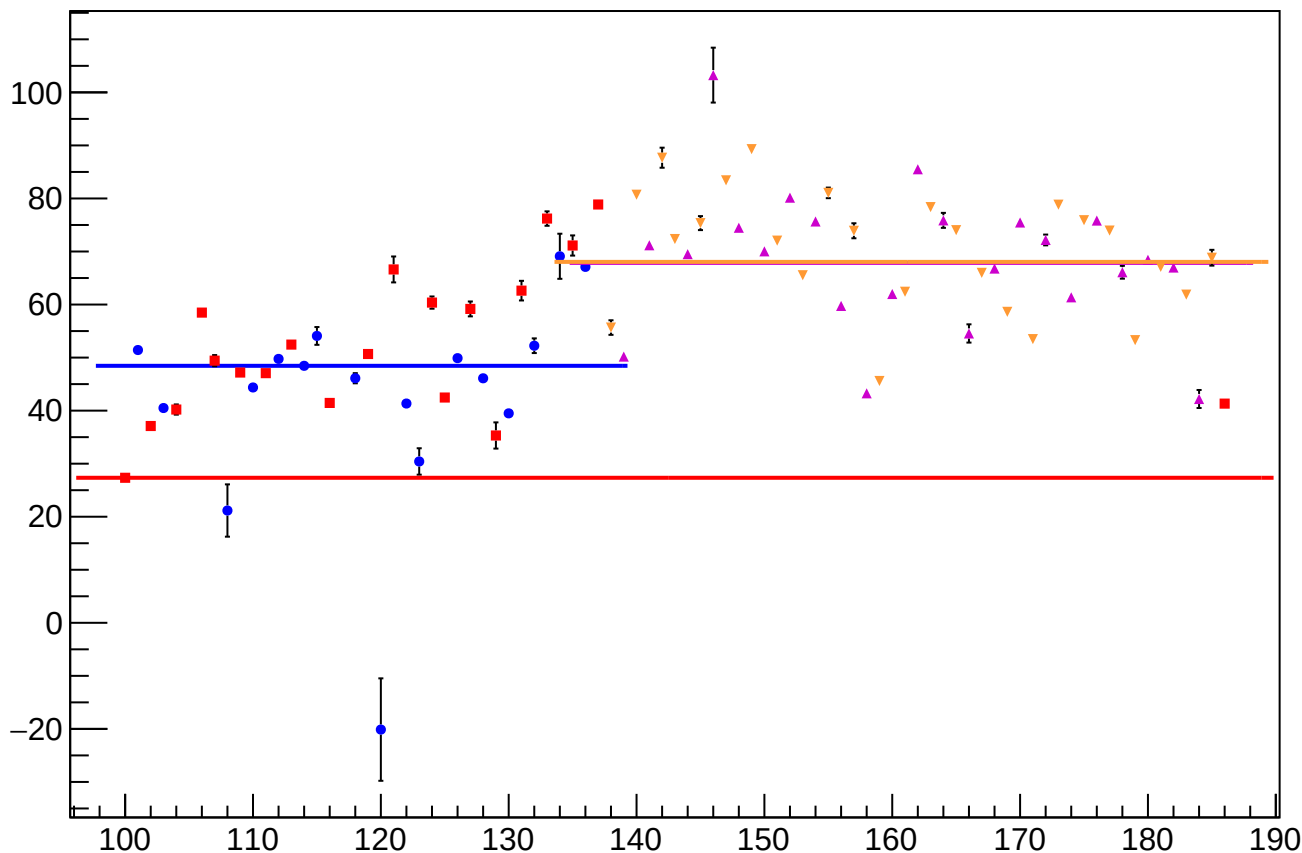
Right: 27.798 $\pm$ 0.000 χ^2 /NDF: 13796958.0/36

In: 114.857 $\pm$ 0.009 χ^2 /NDF: 3315365.2/39

Out: 27.798 $\pm$ 0.000 χ^2 /NDF: 139618809.5/44

All: 27.798 $\pm$ 0.000 χ^2 /NDF: 246929631.0/84

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450+/-0.000 χ^2/NDF : 2751.4/16

Left Out: 68.044+/-0.132 χ^2/NDF : 6670.6/24

Right Out: 27.342+/-0.000 χ^2/NDF : 26158.9/19

Left In: 67.852+/-0.126 χ^2/NDF : 5519.9/22

Left: 67.943+/-0.091 χ^2/NDF : 12191.7/47

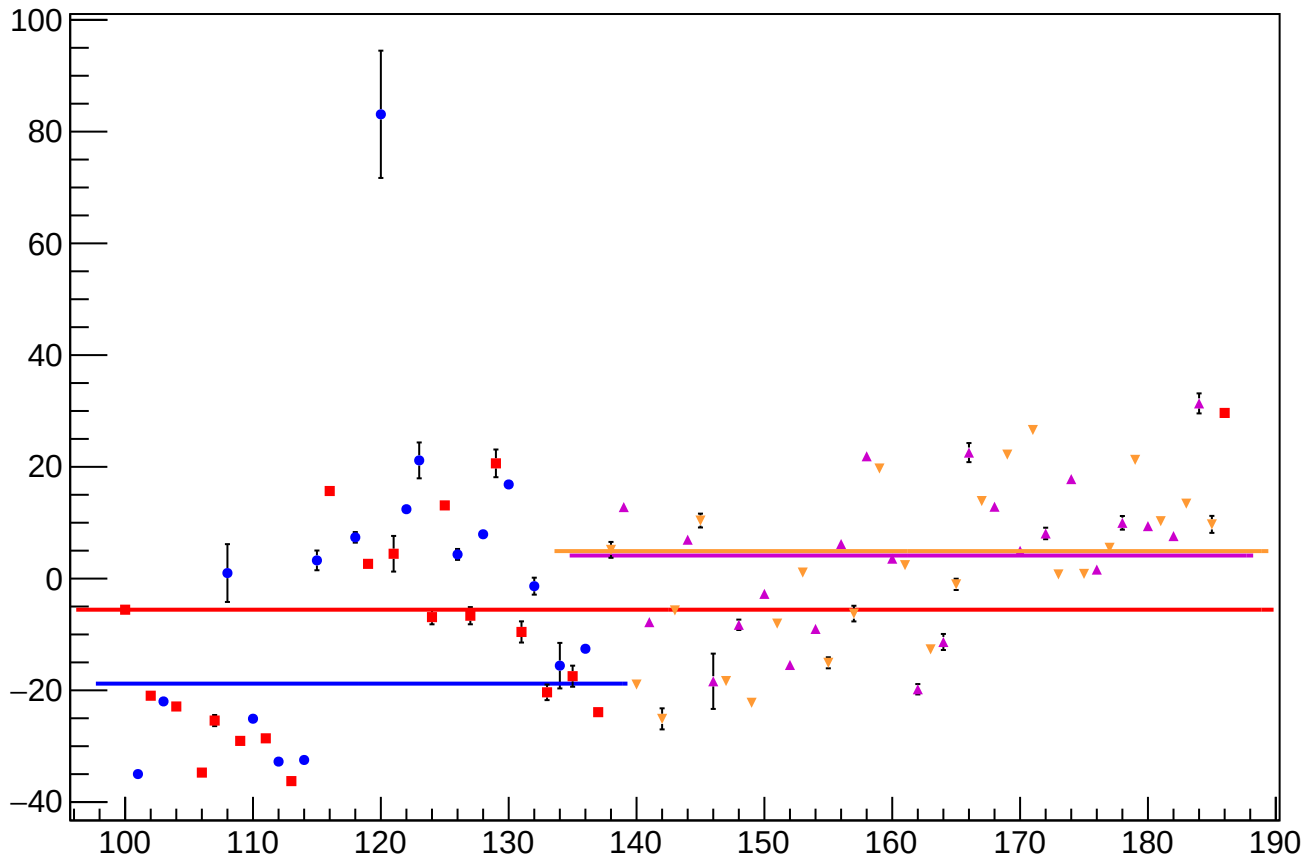
Right: 28.365+/-0.000 χ^2/NDF : 1026290104888328

In: 48.450+/-0.000 χ^2/NDF : 32126.8/39

Out: 27.342+/-0.000 χ^2/NDF : 127547.4/44

All: 28.365+/-0.000 χ^2/NDF : 1026290104888

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -18.800 ± 0.148 $\chi^2/\text{NDF}: 11764.7/16$

Left Out: 4.920 ± 0.132 $\chi^2/\text{NDF}: 10378.5/24$

Right Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 25606.3/19$

Left In: 4.129 ± 0.127 $\chi^2/\text{NDF}: 6161.4/22$

Left: 4.508 ± 0.092 $\chi^2/\text{NDF}: 16558.6/47$

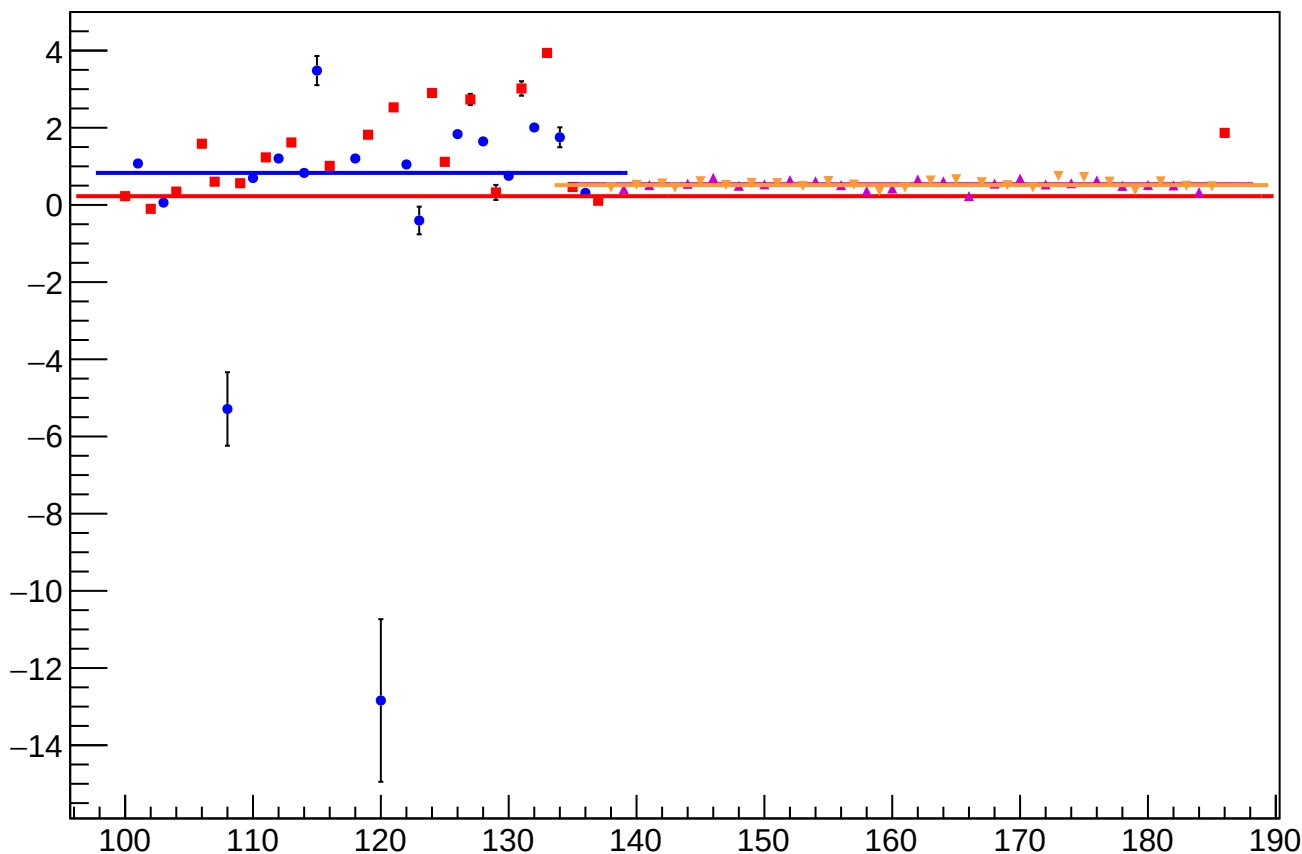
Right: -5.568 ± 0.000 $\chi^2/\text{NDF}: 45317.5/36$

In: -5.554 ± 0.096 $\chi^2/\text{NDF}: 31709.8/39$

Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 42277.7/44$

All: -5.568 ± 0.000 $\chi^2/\text{NDF}: 73987.4/84$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 14882.7/16$

Left Out: 0.513 ± 0.001 $\chi^2/\text{NDF}: 15206.1/24$

Right Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 12143.0/19$

Left In: 0.536 ± 0.001 $\chi^2/\text{NDF}: 11764.8/22$

Left: 0.526 ± 0.001 $\chi^2/\text{NDF}: 27282.9/47$

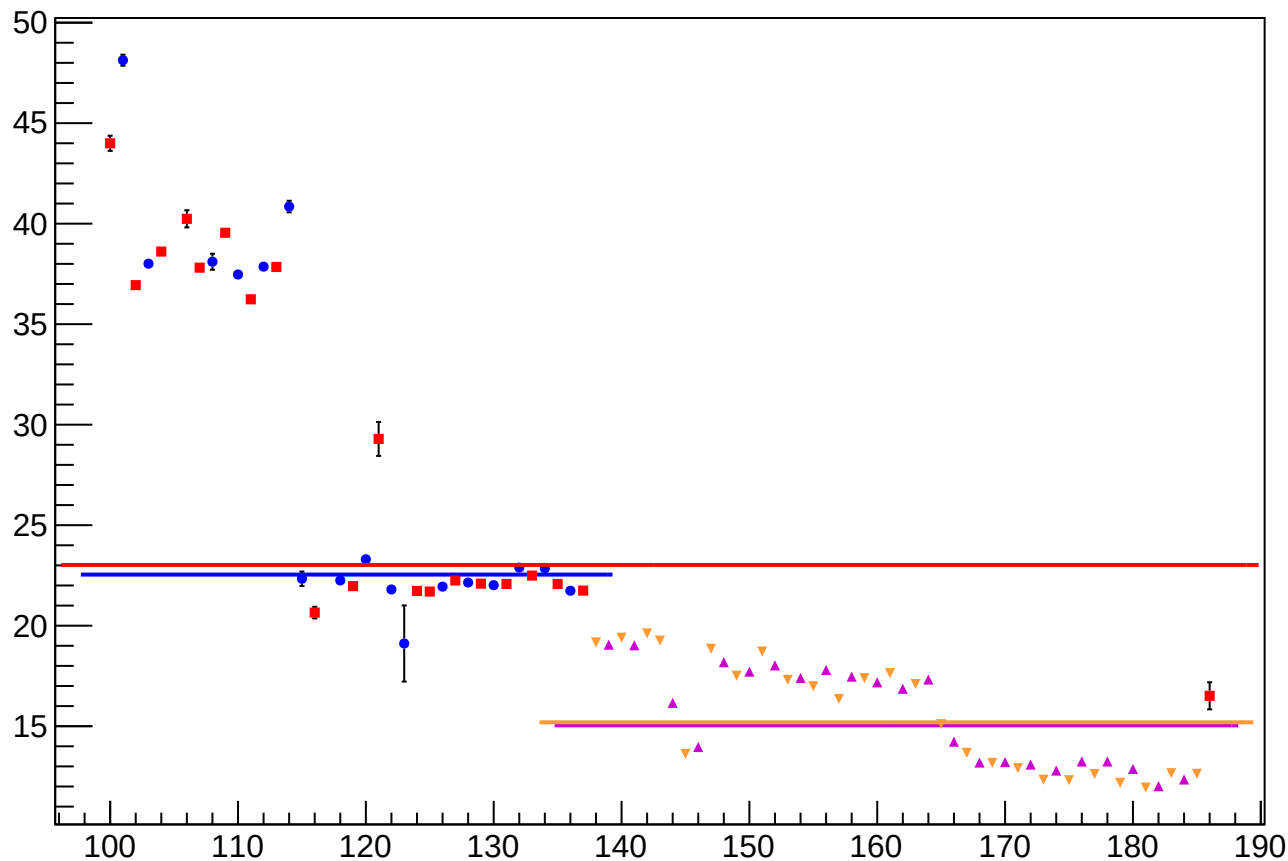
Right: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457147$

In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 141887.0/39$

Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 115618.0/44$

All: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457$

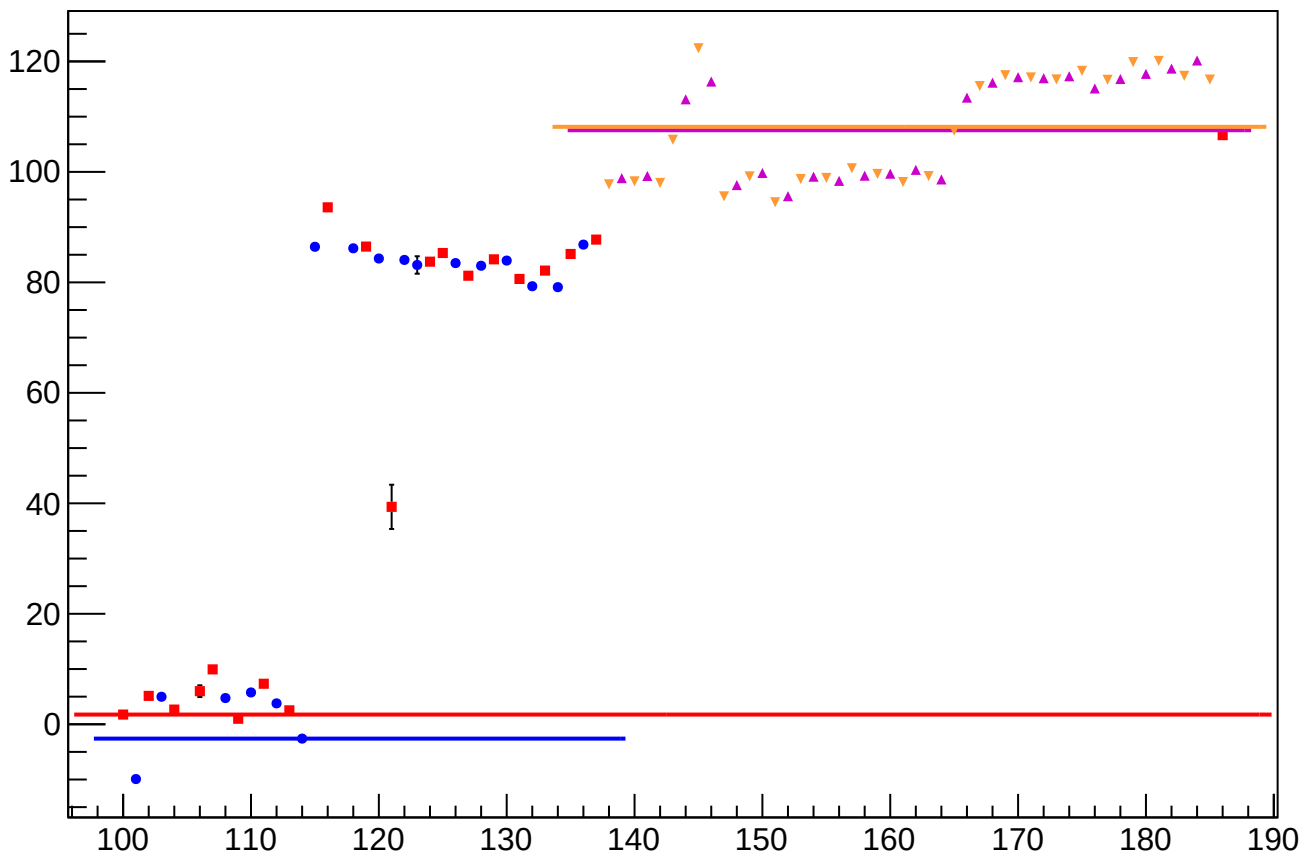
dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.543 $\pm$ 0.009 χ^2/NDF : 105452.8/16
 Left Out: 15.194 $\pm$ 0.004 χ^2/NDF :417095.1/24
 Right Out: 23.021 $\pm$ 0.009 χ^2/NDF : 165931.2/19
 Left In: 15.044 $\pm$ 0.005 χ^2/NDF :285851.6/22

Left: 15.125 $\pm$ 0.003 χ^2/NDF : 703514.0/47
 Right: 22.789 $\pm$ 0.006 χ^2/NDF : 272741.8/36
 In: 16.526 $\pm$ 0.004 χ^2/NDF :911903.8/39
 Out: 16.619 $\pm$ 0.004 χ^2/NDF :1195559.9/44
 All: 16.576 $\pm$ 0.003 χ^2/NDF : 2107738.9/84

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596+/-0.000 χ^2/NDF : 7395182.7/16

Left Out: 108.162+/-0.009 χ^2/NDF :1076822.4/24

Right Out: 1.758+/-0.000 χ^2/NDF : 4249756.0/19

Left In: 107.543+/-0.009 χ^2/NDF :988940.0/22

Left: 107.853+/-0.007 χ^2/NDF : 2067974.4/47

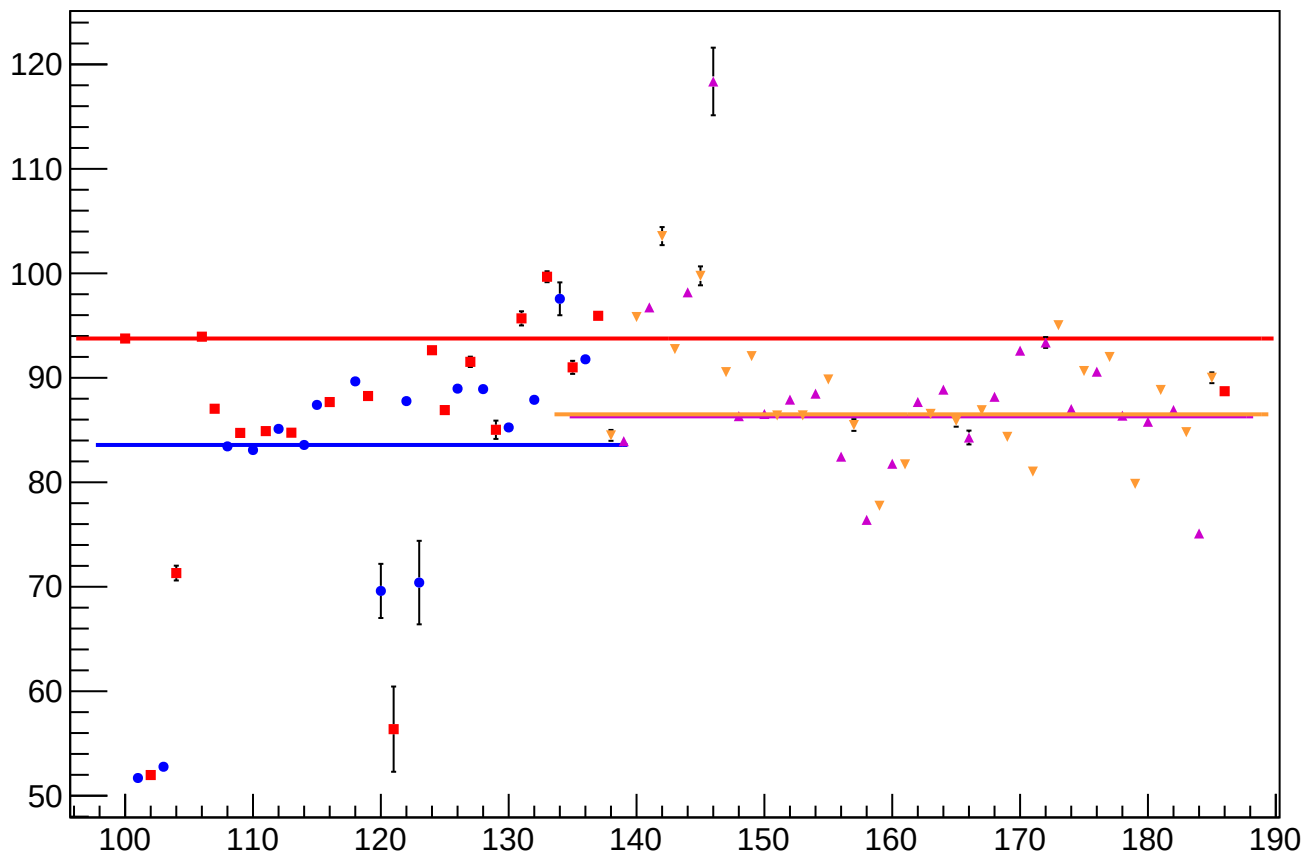
Right: -1.059+/-0.000 χ^2/NDF : 3731791751577379

In: -2.596+/-0.000 χ^2/NDF :147951178.7/39

Out: 1.758+/-0.000 χ^2/NDF :136115319.7/44

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: 86.505 $\pm$ 0.060 χ^2 /NDF:8553.0/24

Right Out: 93.762 $\pm$ 0.000 χ^2 /NDF: 82989.0/19

Left In: 86.310 $\pm$ 0.051 χ^2 /NDF:8666.5/22

Left: 86.393 $\pm$ 0.039 χ^2 /NDF: 17225.5/47

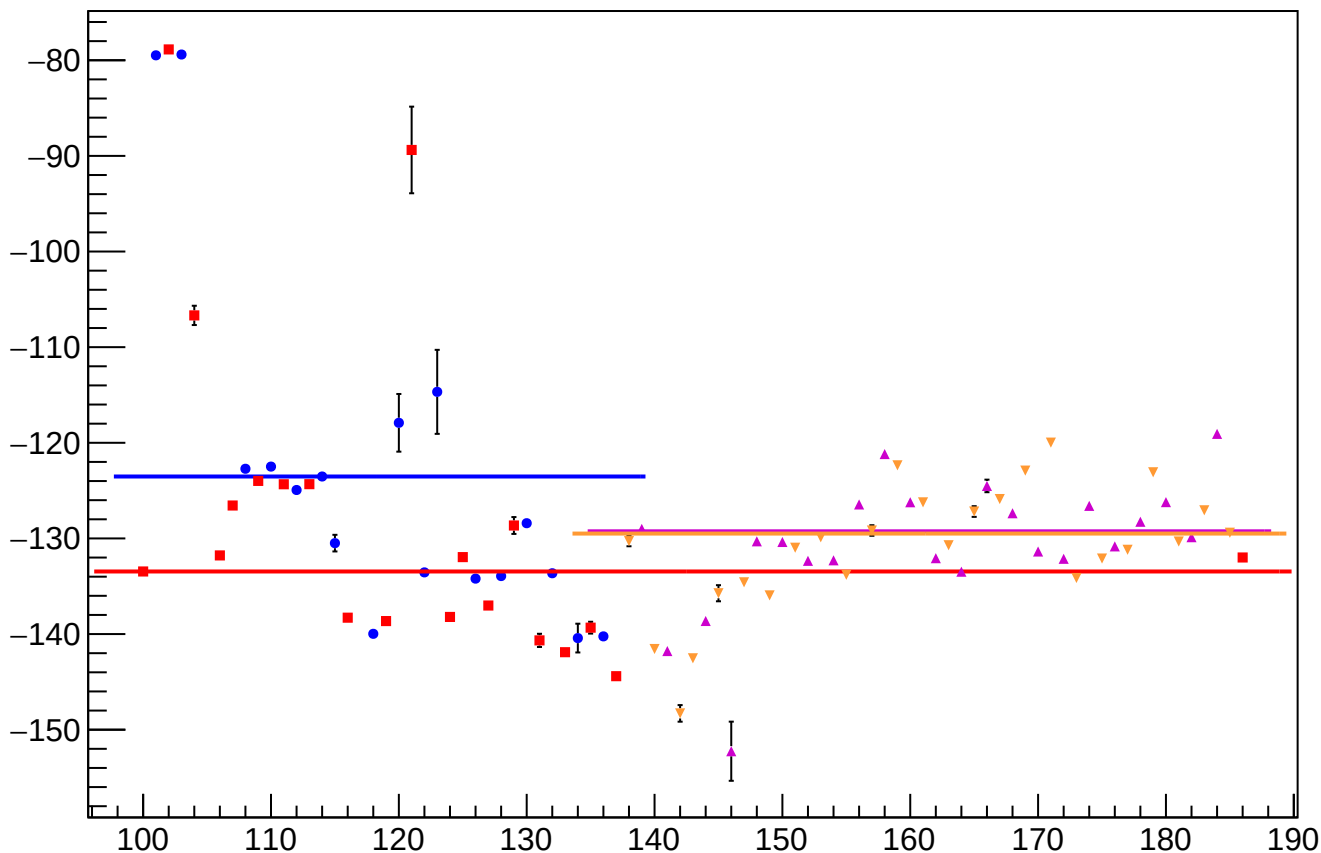
Right: 87.169 $\pm$ 0.000 χ^2 /NDF: 1995684404141260

In: 83.573 $\pm$ 0.000 χ^2 /NDF:60966.6/39

Out: 93.762 $\pm$ 0.000 χ^2 /NDF:106211.5/44

All: 87.169 $\pm$ 0.000 χ^2 /NDF: 1995684404141

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 160356.5/16$

Left Out: -129.492 ± 0.059 $\chi^2/\text{NDF}: 10775.3/24$

Right Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 394913.4/19$

Left In: -129.256 ± 0.052 $\chi^2/\text{NDF}: 6558.2/22$

Left: -129.358 ± 0.039 $\chi^2/\text{NDF}: 17342.6/47$

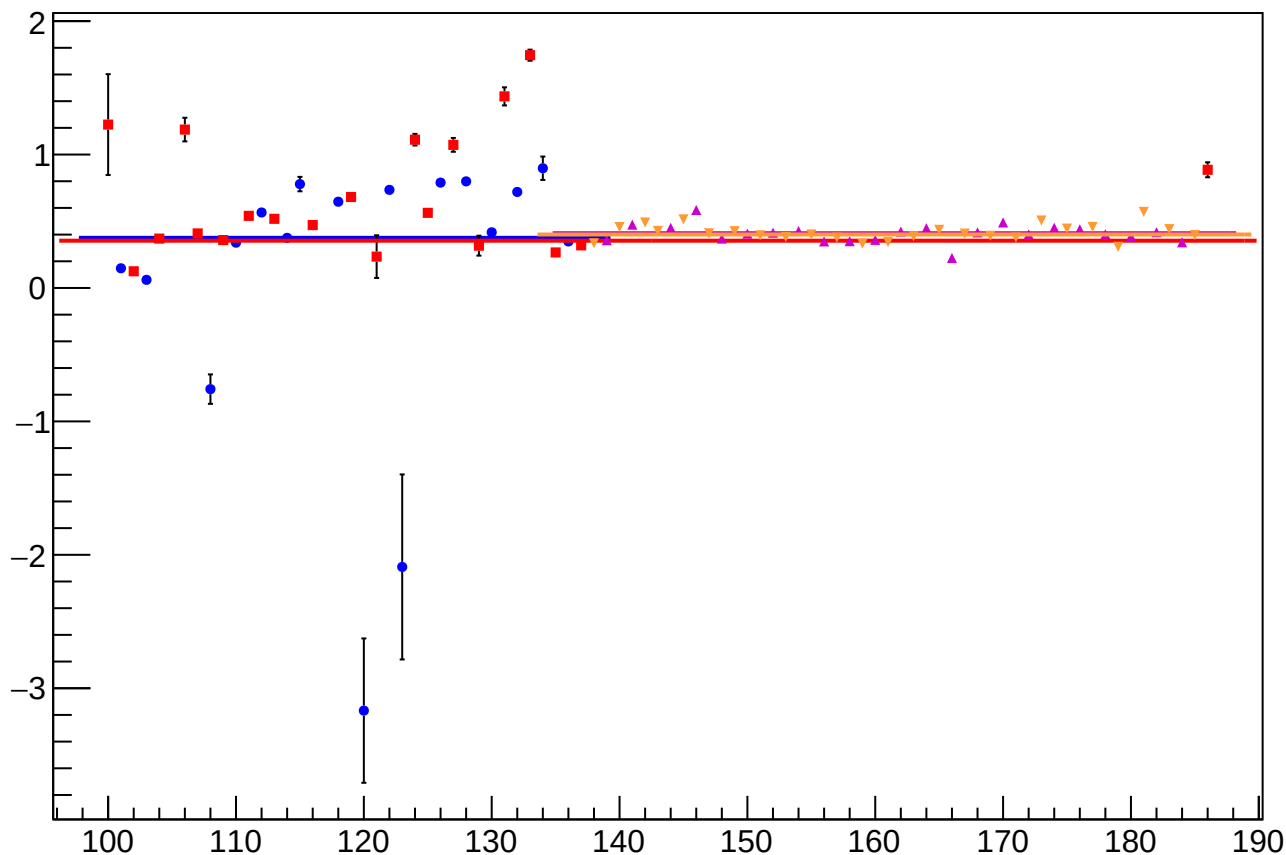
Right: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901657$

In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 179277.5/39$

Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 410170.3/44$

All: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901$

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 3961.7/16

Left Out: 0.401 $\pm$ 0.000 χ^2 /NDF:9030.9/24

Right Out: 0.354 $\pm$ 0.002 χ^2 /NDF: 4682.1/19

Left In: 0.410 $\pm$ 0.000 χ^2 /NDF:8478.2/22

Left: 0.406 $\pm$ 0.000 χ^2 /NDF: 17715.3/47

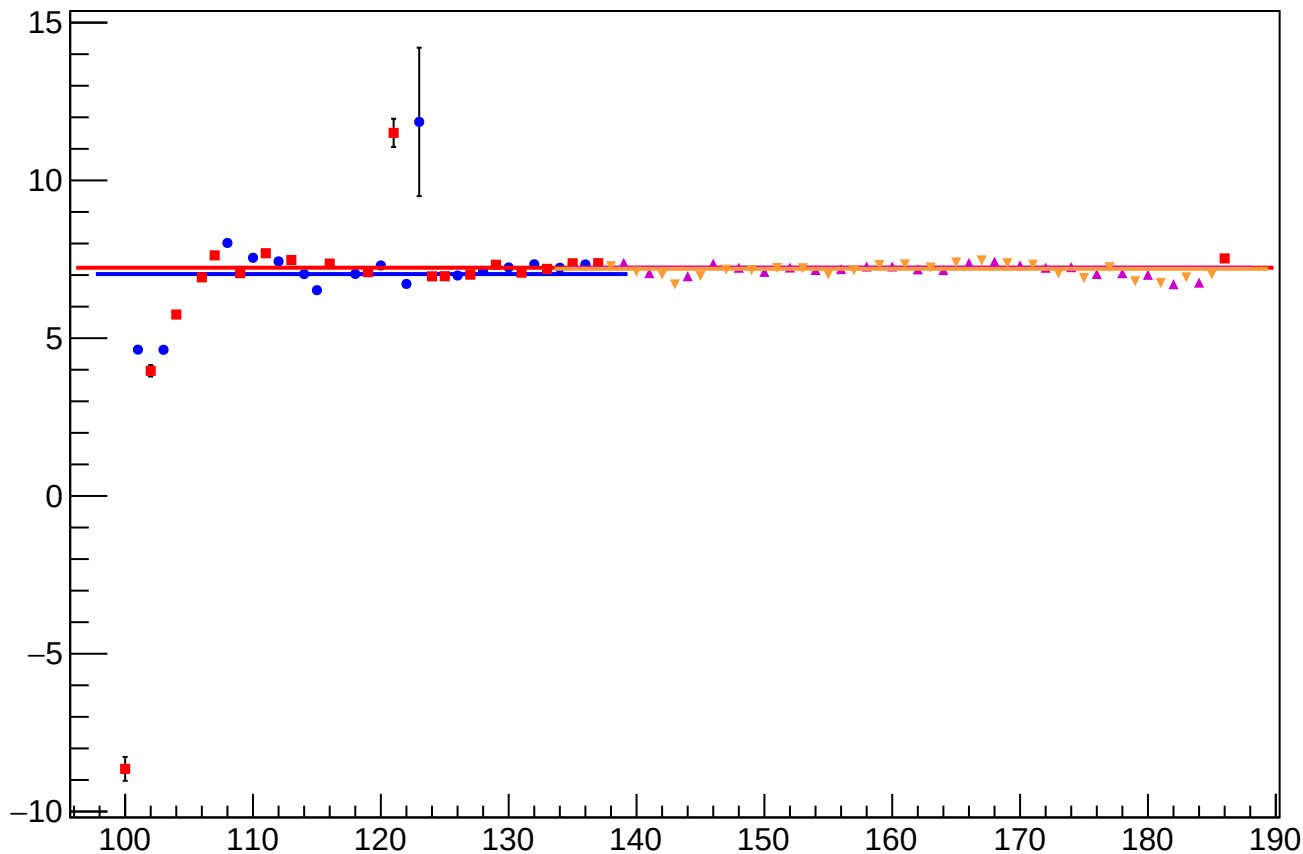
Right: 0.376 $\pm$ 0.000 χ^2 /NDF: 8844.5/36

In: 0.376 $\pm$ 0.000 χ^2 /NDF:18332.7/39

Out: 0.396 $\pm$ 0.000 χ^2 /NDF:14565.2/44

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 34756.0/84

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 19770.1/16

Left Out: 7.199 $\pm$ 0.001 χ^2 /NDF: 37453.7/24

Right Out: 7.233 $\pm$ 0.002 χ^2 /NDF: 10072.0/19

Left In: 7.233 $\pm$ 0.001 χ^2 /NDF: 23085.0/22

Left: 7.217 $\pm$ 0.001 χ^2 /NDF: 61326.3/47

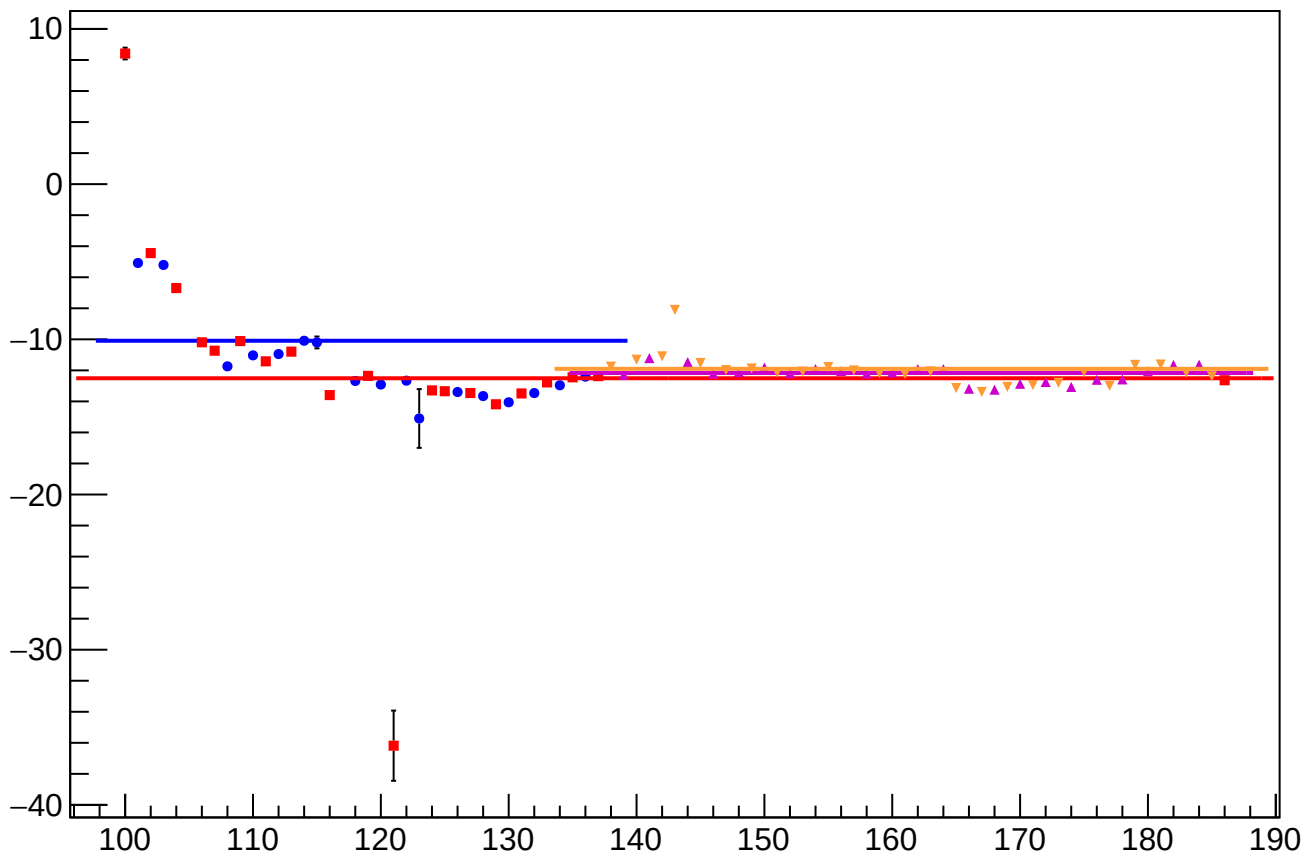
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 37019.6/36

In: 7.032 $\pm$ 0.000 χ^2 /NDF: 101616.3/39

Out: 7.203 $\pm$ 0.001 χ^2 /NDF: 47710.2/44

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 190670.6/84

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 $\pm$ 0.000 χ^2 /NDF: 543504.2/16

Left Out: -11.899 $\pm$ 0.002 χ^2 /NDF: 498866.6/24

Right Out: -12.509 $\pm$ 0.004 χ^2 /NDF: 103511.3/19

Left In: -12.169 $\pm$ 0.002 χ^2 /NDF: 49568.3/22

Left: -12.033 $\pm$ 0.001 χ^2 /NDF: 561016.9/47

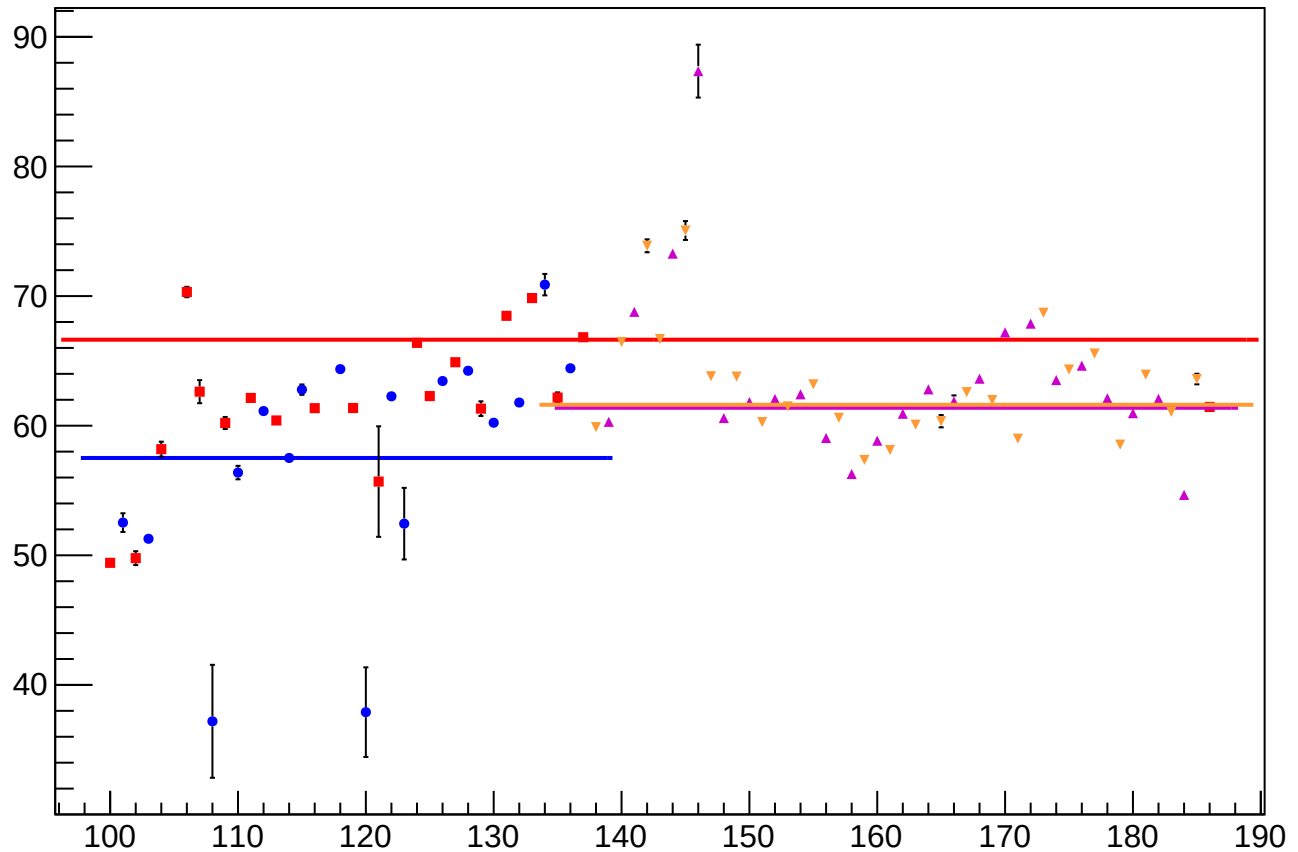
Right: -10.092 $\pm$ 0.000 χ^2 /NDF: 1063000.3/36

In: -10.092 $\pm$ 0.000 χ^2 /NDF: 2075919.9/39

Out: -12.003 $\pm$ 0.002 χ^2 /NDF: 624352.1/44

All: -10.092 $\pm$ 0.000 χ^2 /NDF: 4237379.6/84

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 ± 0.000 $\chi^2/\text{NDF}: 8108.6/16$

Left Out: 61.615 ± 0.039 $\chi^2/\text{NDF}: 7756.9/24$

Right Out: 66.634 ± 0.013 $\chi^2/\text{NDF}: 8484.7/19$

Left In: 61.383 ± 0.033 $\chi^2/\text{NDF}: 8900.0/22$

Left: 61.479 ± 0.025 $\chi^2/\text{NDF}: 16677.8/47$

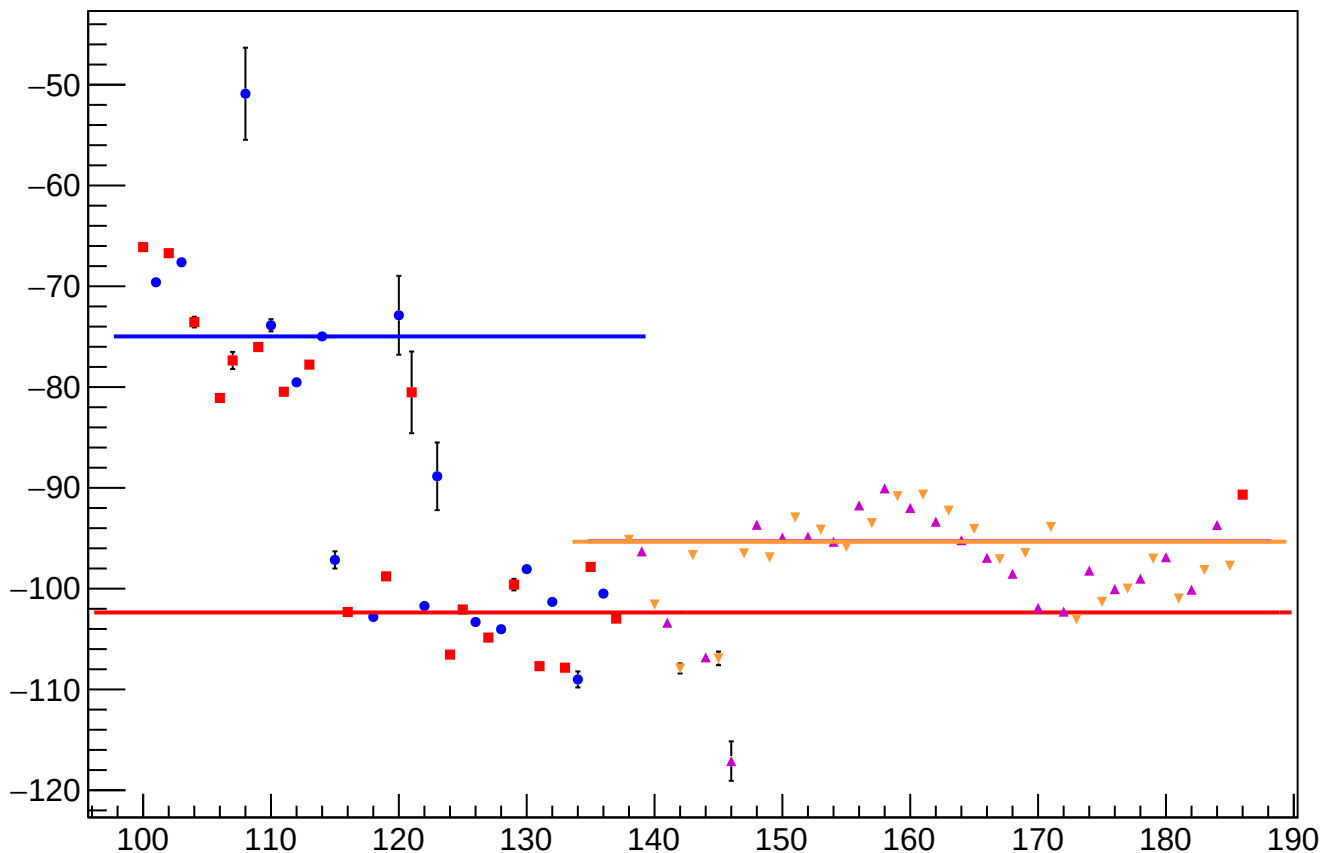
Right: 57.510 ± 0.000 $\chi^2/\text{NDF}: 504622.5/36$

In: 57.510 ± 0.000 $\chi^2/\text{NDF}: 31161.3/39$

Out: 66.125 ± 0.012 $\chi^2/\text{NDF}: 31209.6/44$

All: 57.510 ± 0.000 $\chi^2/\text{NDF}: 546572.9/84$

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 130544.0/16$

Left Out: -95.342 ± 0.039 $\chi^2/\text{NDF}: 9387.4/24$

Right Out: -102.362 ± 0.018 $\chi^2/\text{NDF}: 52922.4/19$

Left In: -95.301 ± 0.033 $\chi^2/\text{NDF}: 11271.5/22$

Left: -95.319 ± 0.025 $\chi^2/\text{NDF}: 20659.5/47$

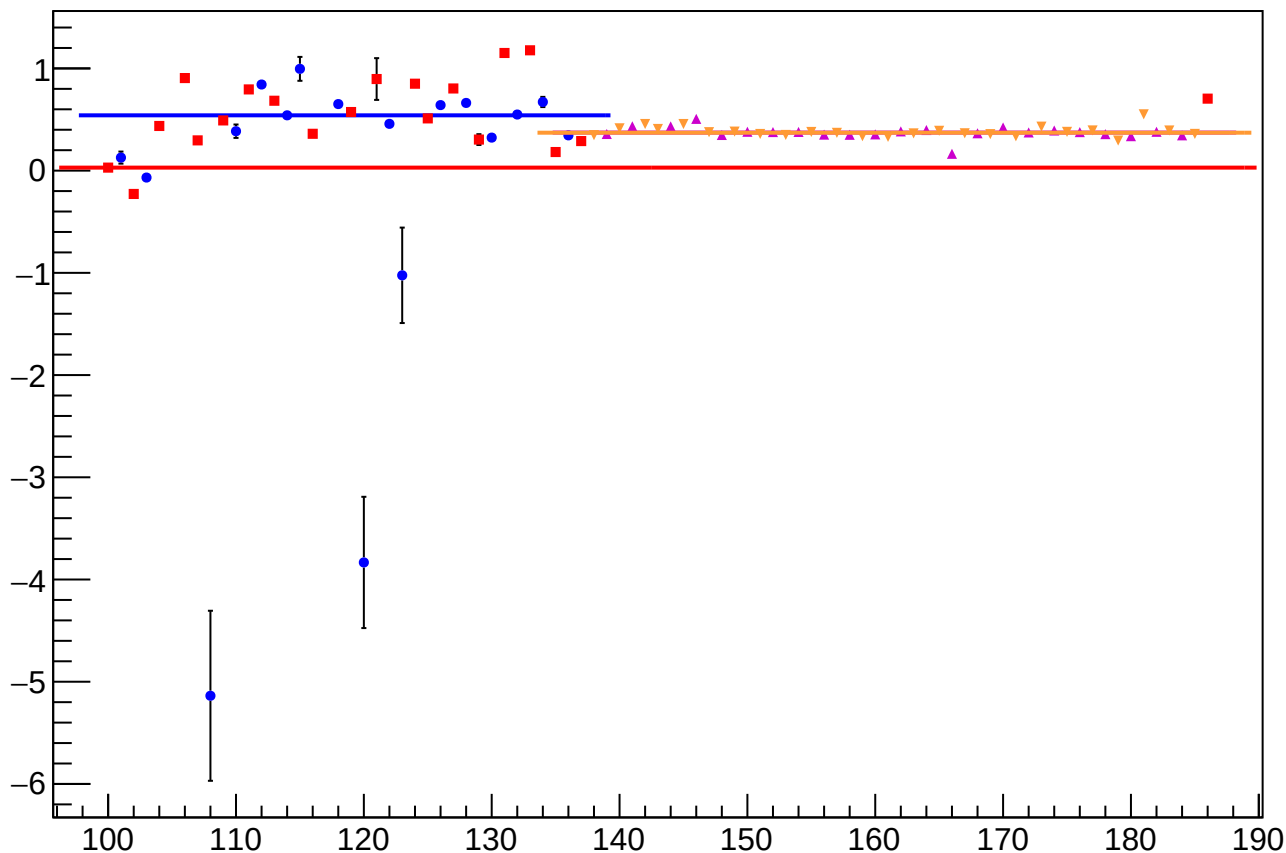
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2561088.3/36$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 516767.6/39$

Out: -101.140 ± 0.016 $\chi^2/\text{NDF}: 89478.7/44$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 3233660.6/84$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.000 χ^2/NDF : 29180.5/16

Left Out: 0.371+/-0.000 χ^2/NDF : 6797.7/24

Right Out: 0.030+/-0.000 χ^2/NDF : 121952.7/19

Left In: 0.372+/-0.000 χ^2/NDF : 6020.6/22

Left: 0.372+/-0.000 χ^2/NDF : 12824.6/47

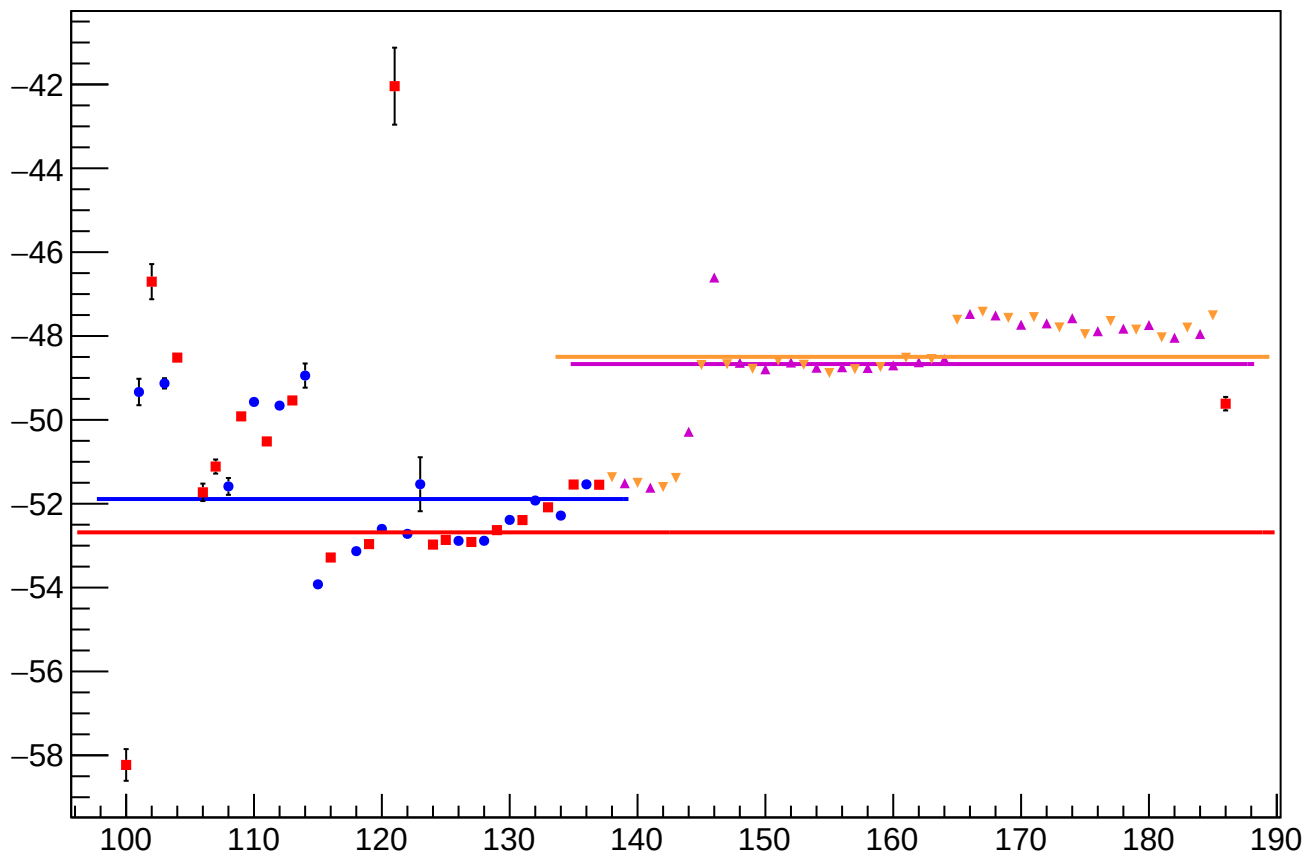
Right: 0.030+/-0.000 χ^2/NDF : 23314297700963382

In: 0.541+/-0.000 χ^2/NDF : 334316.9/39

Out: 0.030+/-0.000 χ^2/NDF : 982542.2/44

All: 0.030+/-0.000 χ^2/NDF : 23314297700963382

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -51.888 ± 0.002 χ^2/NDF : 77585.2/16

Left Out: -48.497 ± 0.001 χ^2/NDF : 699790.4/24

Right Out: -52.683 ± 0.003 χ^2/NDF : 56487.7/19

Left In: -48.669 ± 0.001 χ^2/NDF : 809321.2/22

Left: -48.594 ± 0.001 χ^2/NDF : 1523797.8/47

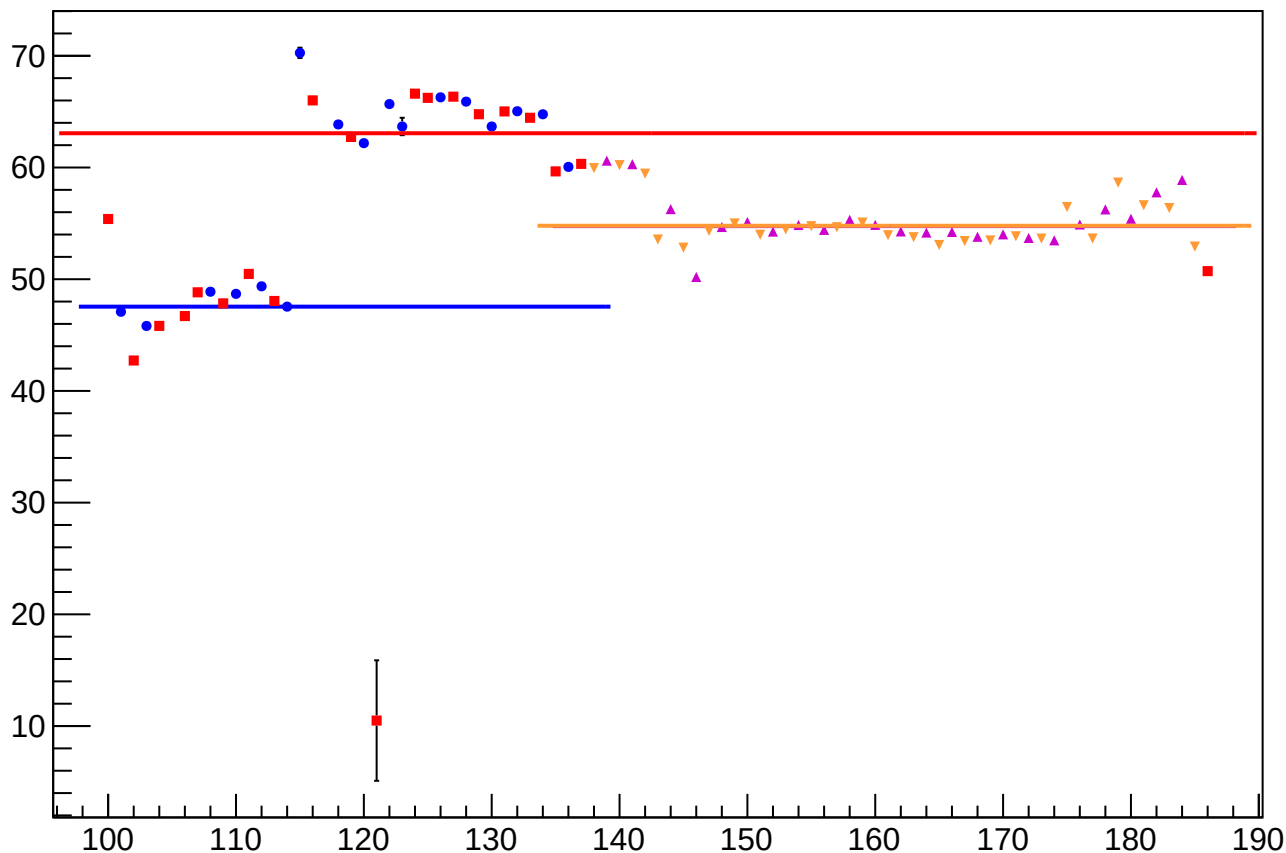
Right: -52.231 ± 0.002 χ^2/NDF : 188984.7/36

In: -49.152 ± 0.001 χ^2/NDF : 2661218.9/39

Out: -49.115 ± 0.001 χ^2/NDF : 3036554.8/44

All: -49.136 ± 0.001 χ^2/NDF : 5698547.9/84

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545 $\pm$ 0.000 χ^2 /NDF: 3491700.1/16

Left Out: 54.787 $\pm$ 0.003 χ^2 /NDF:301226.3/24

Right Out: 63.068 $\pm$ 0.007 χ^2 /NDF: 339571.5/19

Left In: 54.755 $\pm$ 0.003 χ^2 /NDF:100763.3/22

Left: 54.769 $\pm$ 0.002 χ^2 /NDF: 402054.6/47

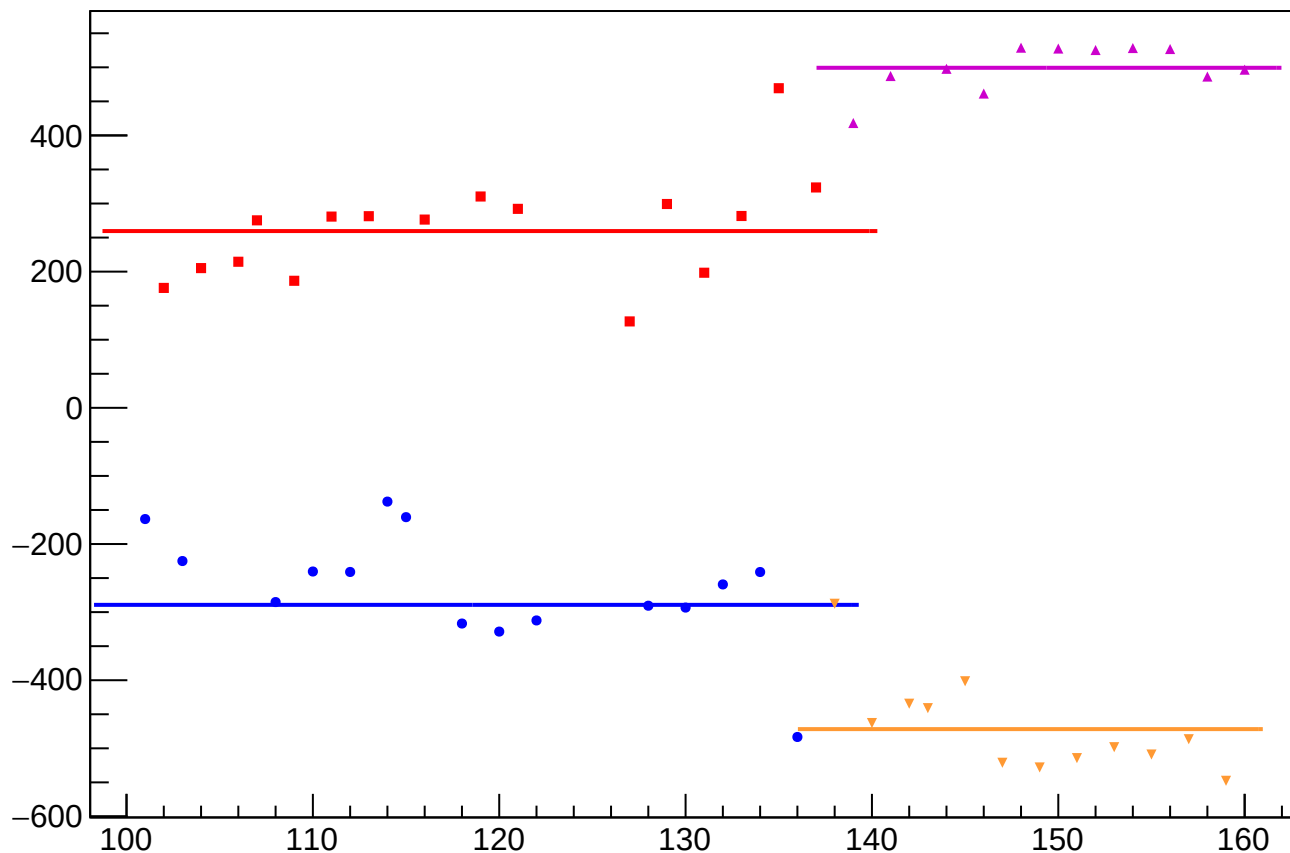
Right: 47.545 $\pm$ 0.000 χ^2 /NDF: 8155420.9/36

In: 47.545 $\pm$ 0.000 χ^2 /NDF:11247259.6/39

Out: 55.902 $\pm$ 0.003 χ^2 /NDF:1705741.7/44

All: 47.545 $\pm$ 0.000 χ^2 /NDF: 22259831.2/84

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

Left Out: -471.791+/-0.000

Right Out: 259.558+/-0.000

Left In: 499.323+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

χ^2/NDF : 4407577357733372304653153526381281280.0/11

χ^2/NDF : 4299886792692123970784563983770714112.0/15

χ^2/NDF : 1018789461606644410107221718465511424.0/10

Left: 16.408+/-0.000 χ^2/NDF : 4387510726187305

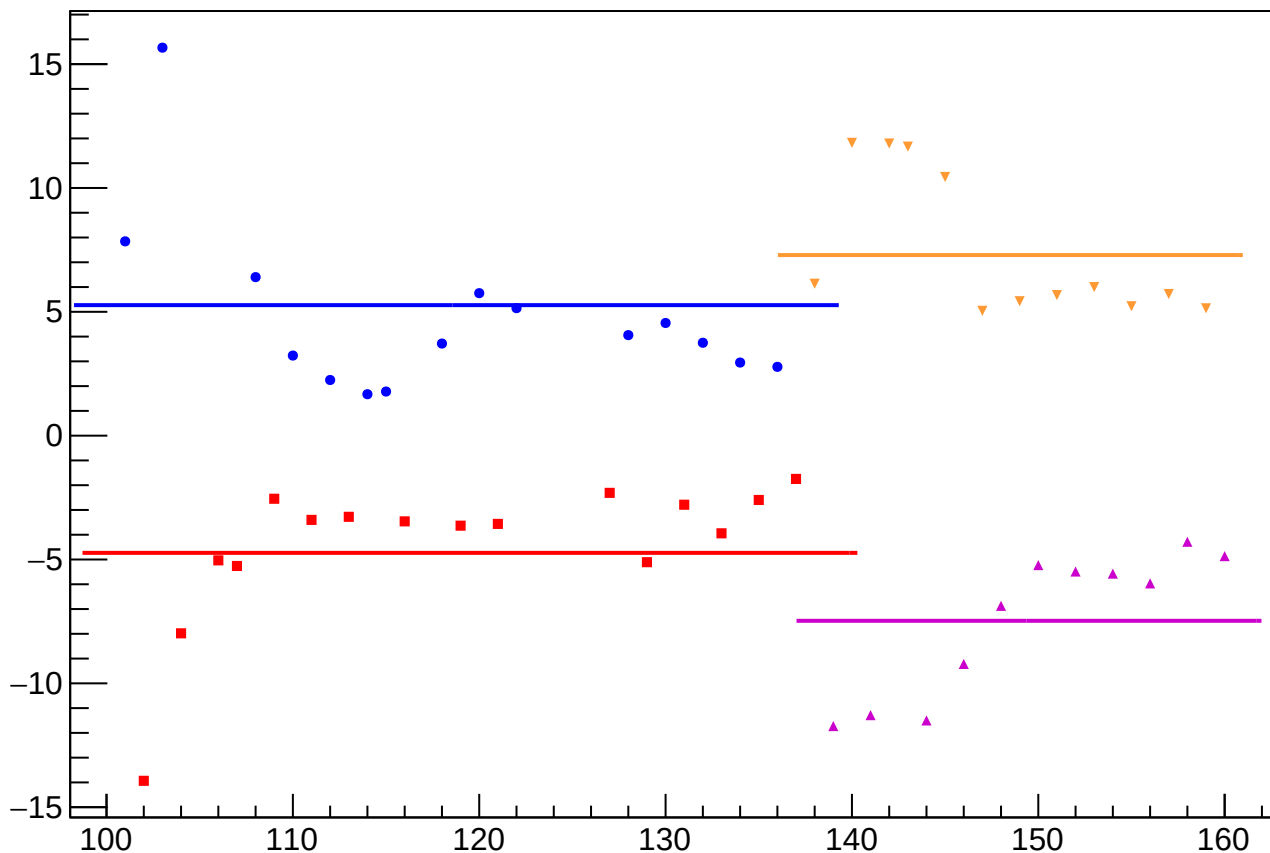
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -163.246+/-0.000 χ^2/NDF : 214955339400548

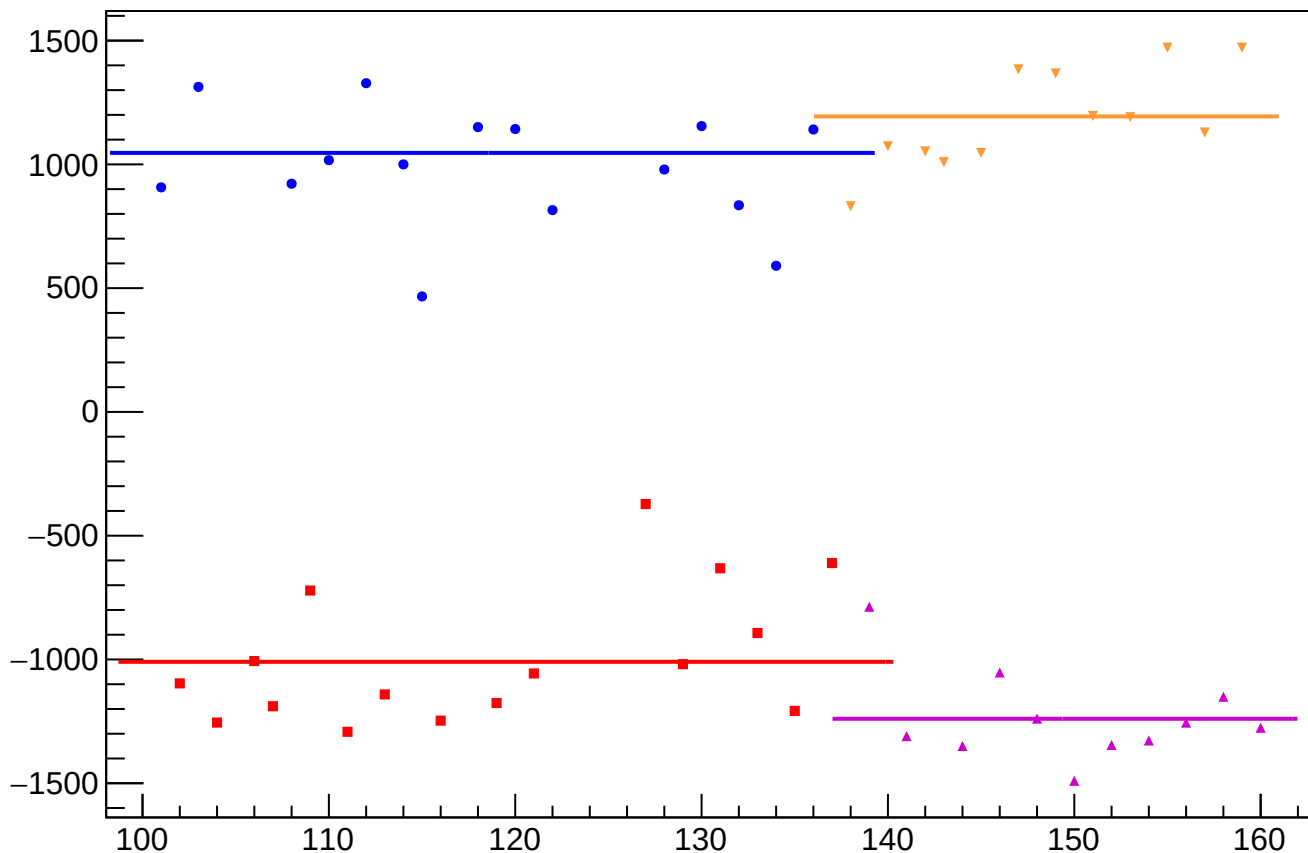
All: 4.918+/-0.000 χ^2/NDF : 54810108058073

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



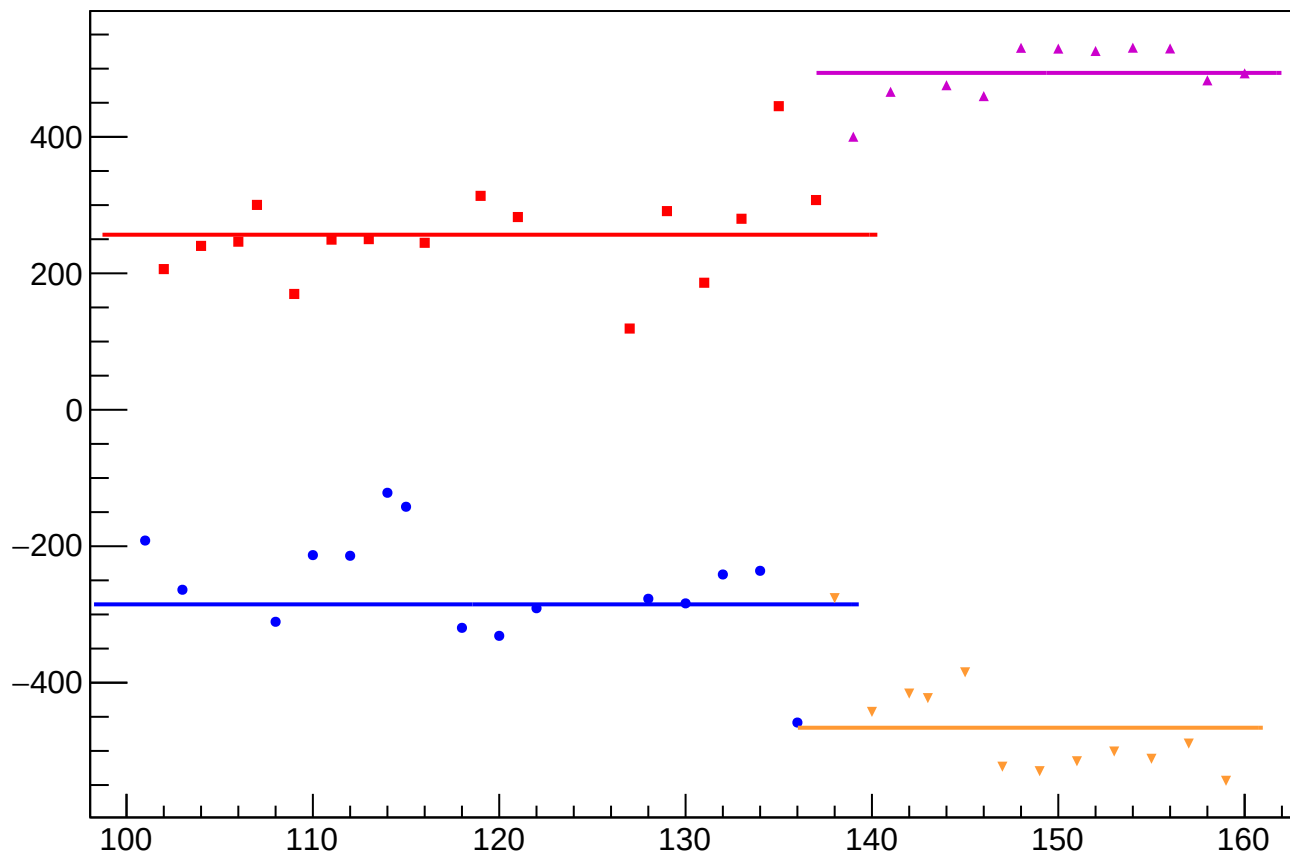
Right In: 5.270 ± 0.000 $\chi^2/\text{NDF}: 8709683292123798330550906790084608.0/14$
 Left Out: 7.291 ± 0.000 $\chi^2/\text{NDF}: 6718053515172863885836432351166464.0/11$
 Right Out: -4.732 ± 0.000 $\chi^2/\text{NDF}: 6856893072575211562802281426452480.0/15$
 Left In: -7.475 ± 0.000 $\chi^2/\text{NDF}: 7057812139399579538870244550377472.0/10$
 All: 0.007 ± 0.000 $\chi^2/\text{NDF}: 16250941727402.0/10$

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -285.187+/-0.000

Left Out: -466.012+/-0.000

Right Out: 256.599+/-0.000

Left In: 493.780+/-0.000

χ^2/NDF : 4479585262853549838092521921291747328.0/14

χ^2/NDF : 5190970068830574132794472761412026368.0/11

χ^2/NDF : 3648271535971039165952602563191767040.0/15

χ^2/NDF : 1451794731277142230901460532226686976.0/10

Left: 16.495+/-0.000 χ^2/NDF : 42992145233665256

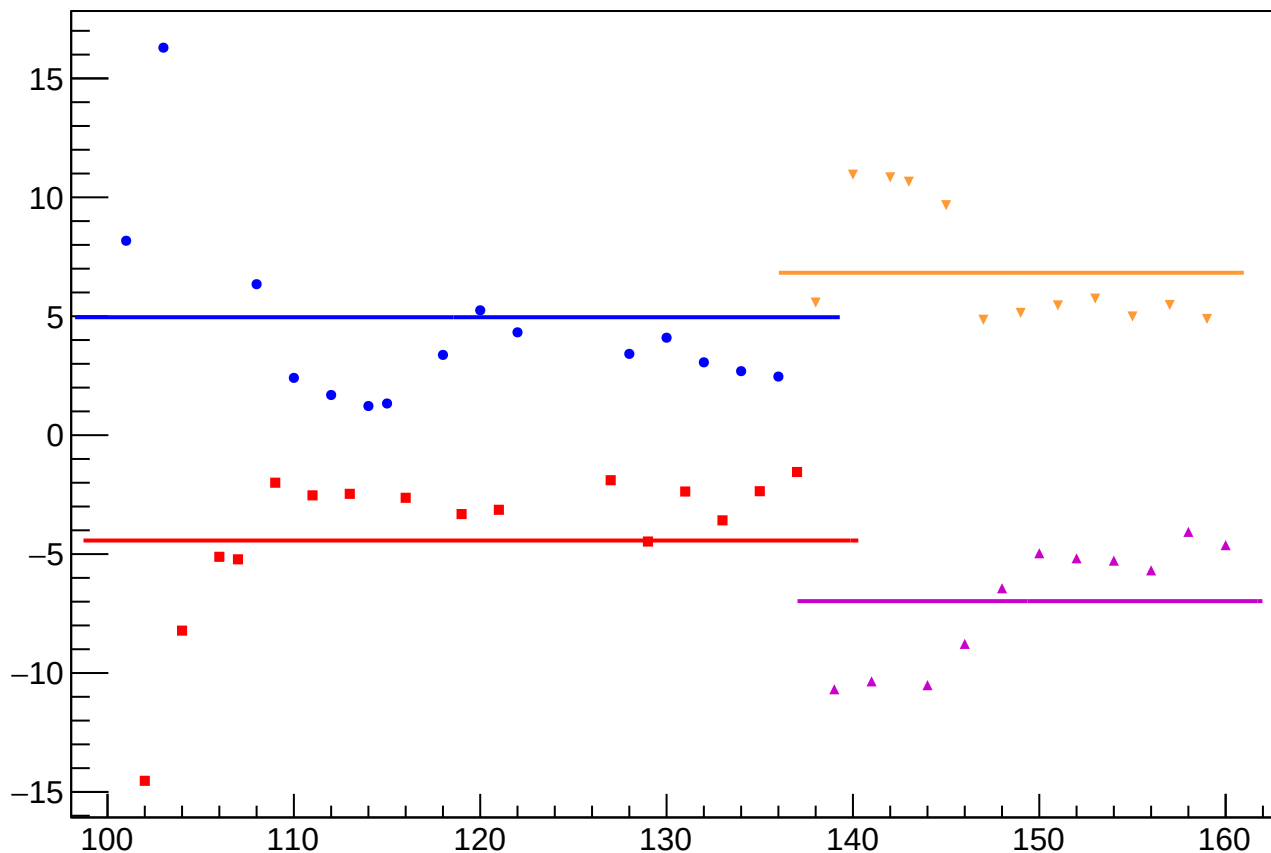
Right: -10.589+/-0.000 χ^2/NDF : 104681795299957

In: 172.388+/-0.000 χ^2/NDF : 23725794461997010

Out: -161.153+/-0.000 χ^2/NDF : 210188051150550

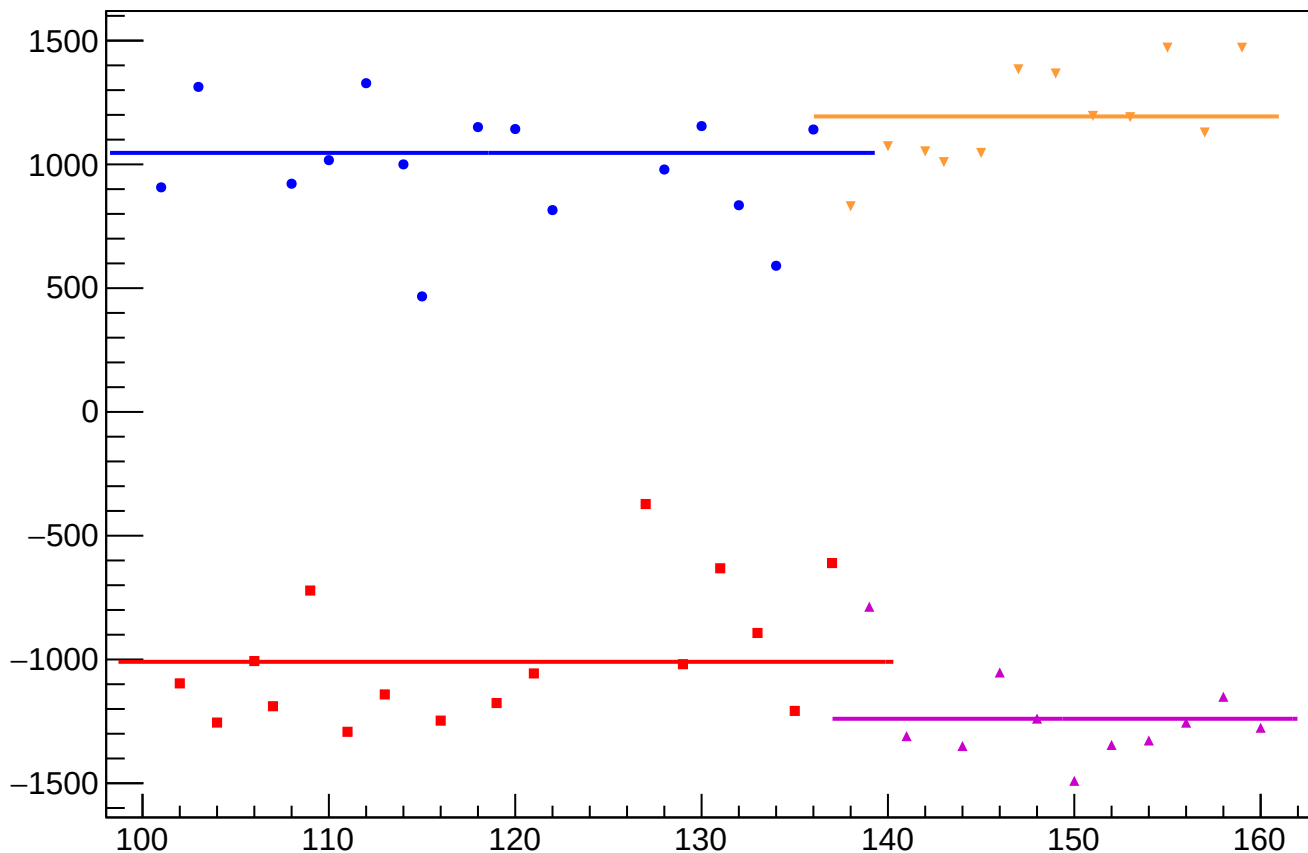
All: 5.194+/-0.000 χ^2/NDF : 53516578605527

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



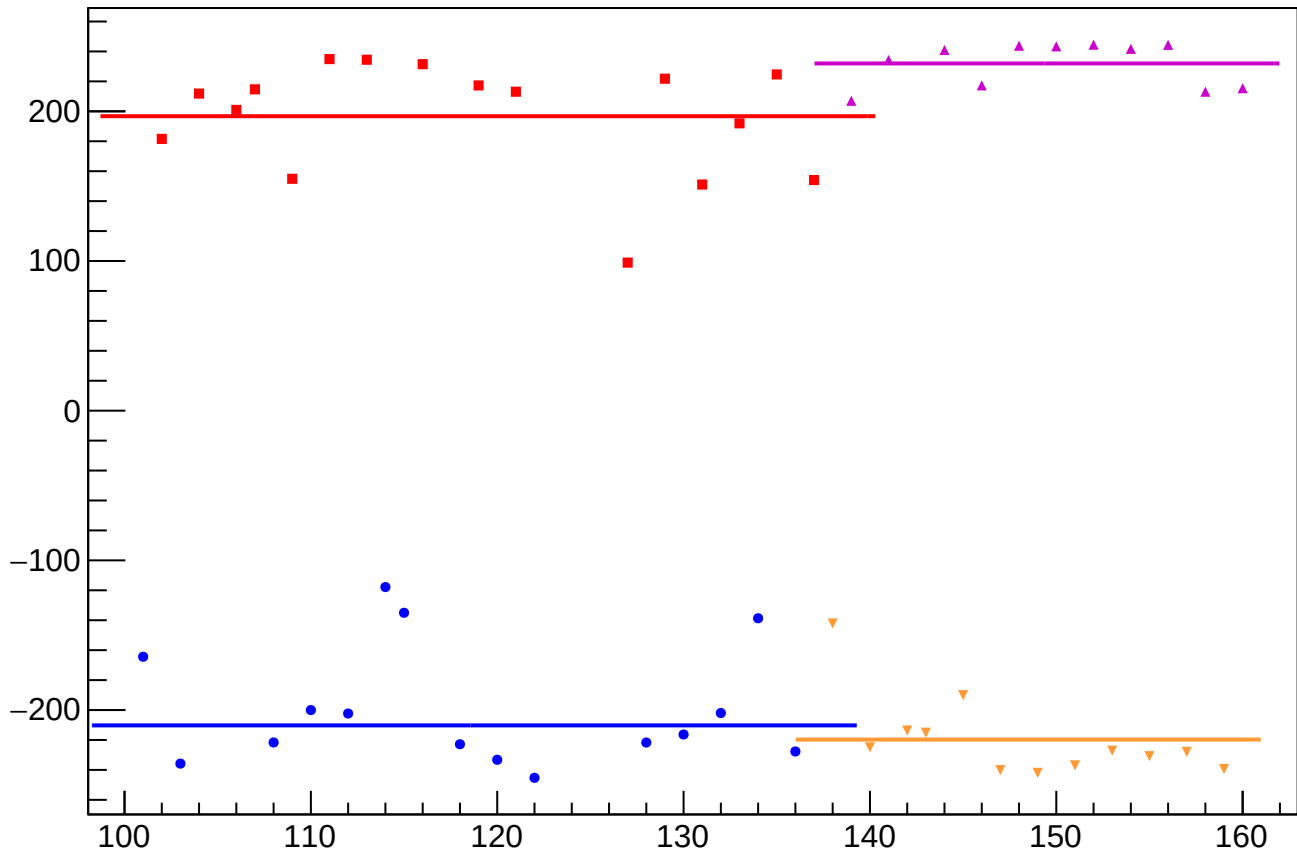
Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 6.828 ± 0.000 χ^2/NDF : 5374095498583312473439971131260928.0/11
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -6.978 ± 0.000 χ^2/NDF : 5622697014277754941158413236699136.0/10
 All: 0.018 ± 0.000 χ^2/NDF : 14647689214070

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
		All: -15.348+/-0.000	χ^2/NDF : 424479012287

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

Left Out: -219.729+/-0.000

χ^2/NDF : 691090878567021644145539364306288640.0/11

Right Out: 196.736+/-0.000

χ^2/NDF : 90958895093044840633640514790359040.0/15

Left In: 231.985+/-0.000

χ^2/NDF : 182992027280401463139065105290887168.0/10

Left: 7.357+/-0.000 χ^2/NDF : 946302102045066653

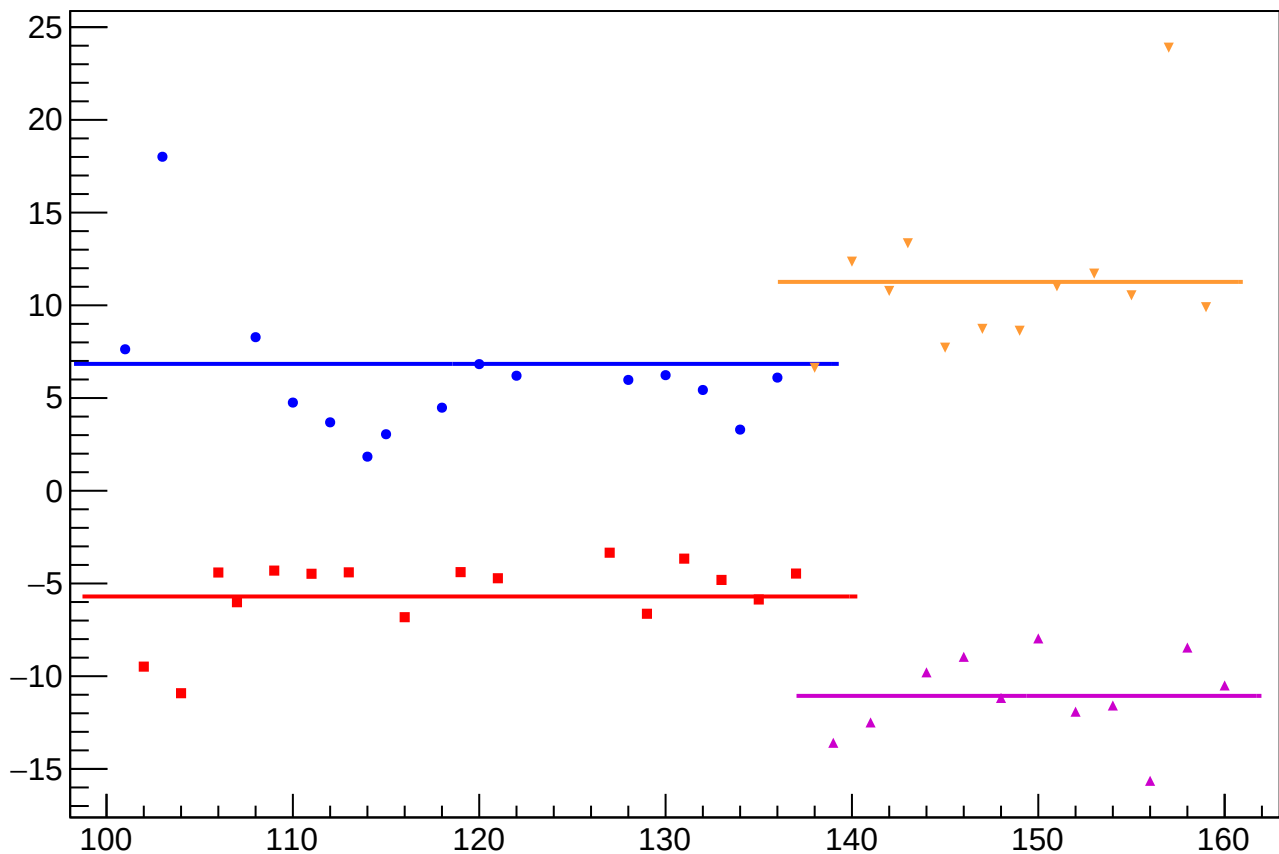
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -44.029+/-0.000 χ^2/NDF : 6848097439733710

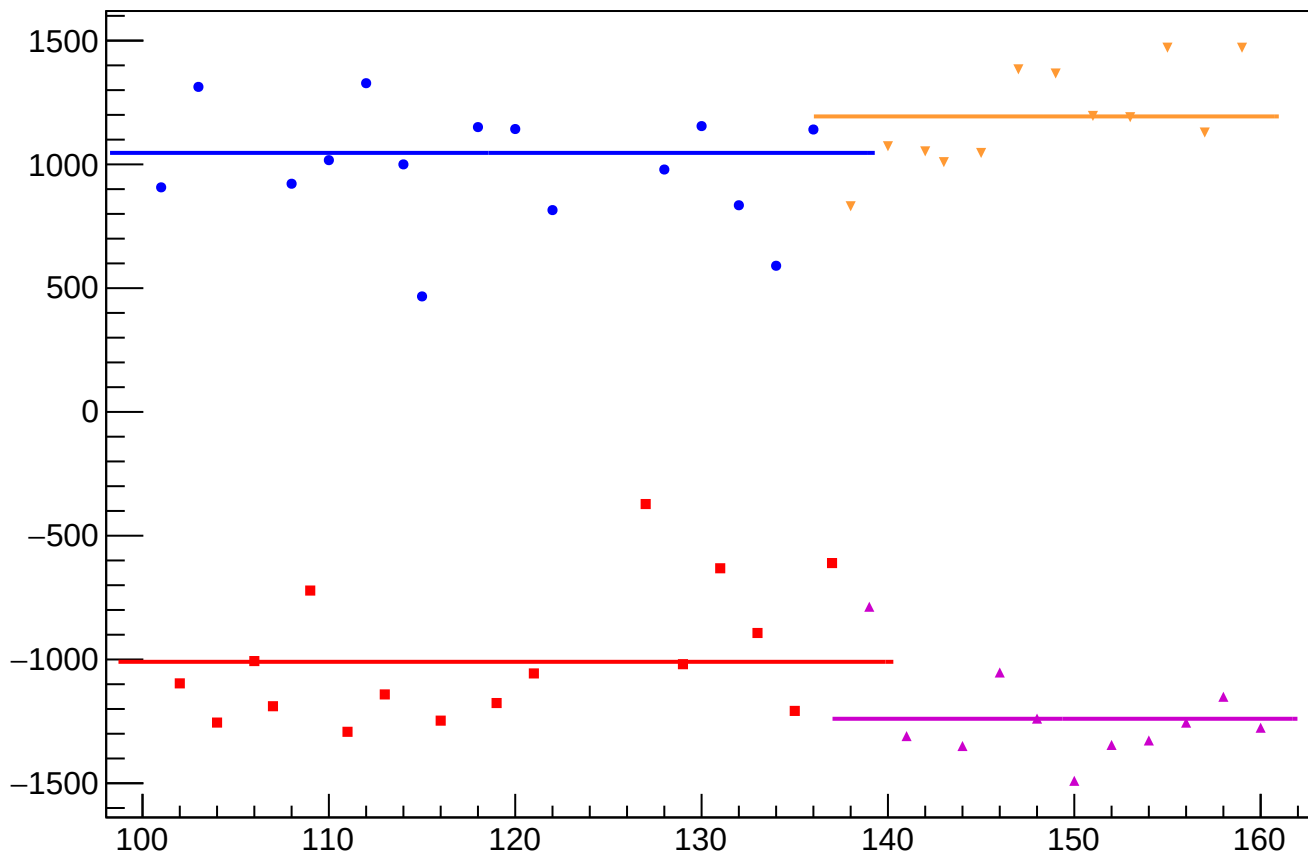
All: 2.627+/-0.000 χ^2/NDF : 15069384503153

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



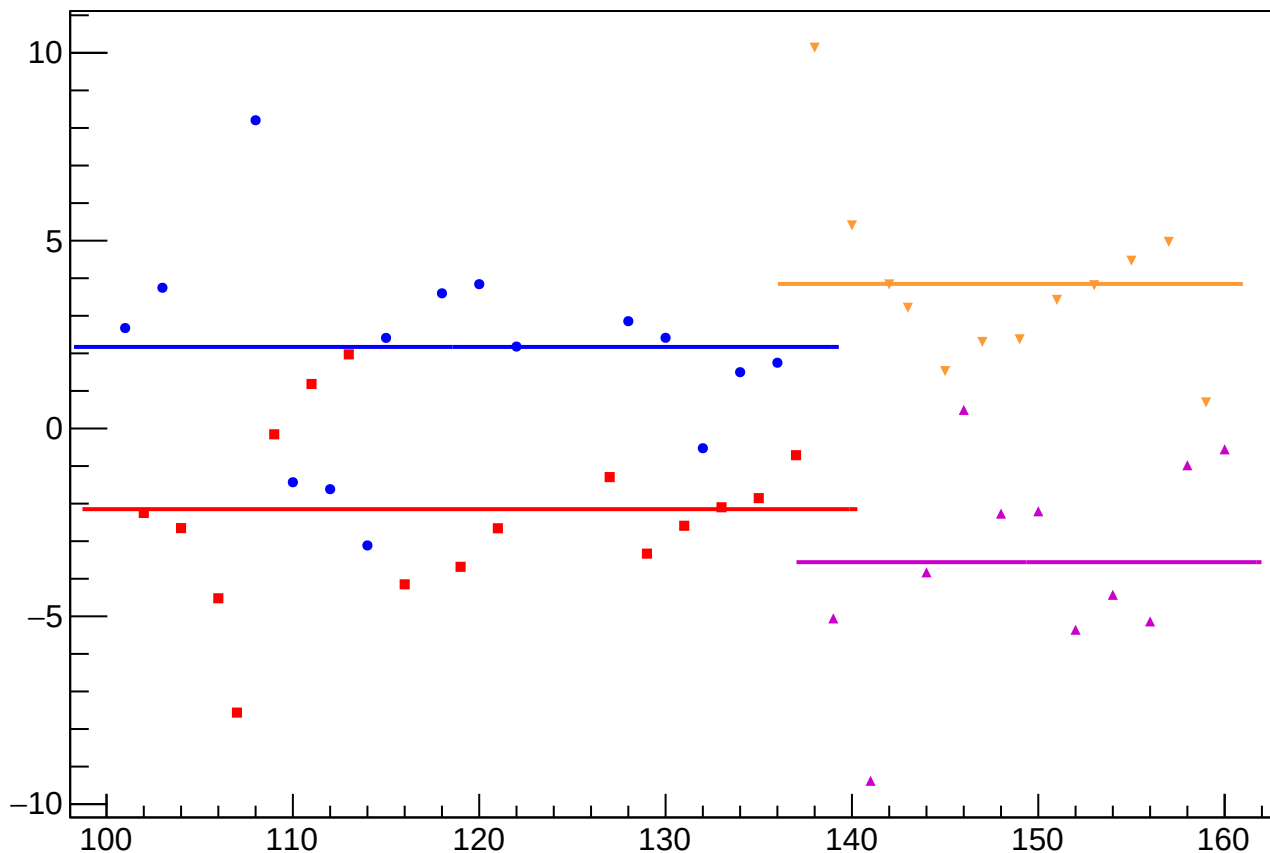
Right In: 6.842 +/- 0.000 χ^2/NDF : 9355934166823324467316647620771840.0/14
 Left Out: 11.263 +/- 0.000 χ^2/NDF : 16950484304495826735526537389408256.0/11
 Right Out: -5.701 +/- 0.000 χ^2/NDF : 3174693398300953393137731791486976.0/15
 Left In: -11.061 +/- 0.000 χ^2/NDF : 4417559387784954400311933713514496.0/10
 All: 0.226 +/- 0.000 χ^2/NDF : 31478743415470

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



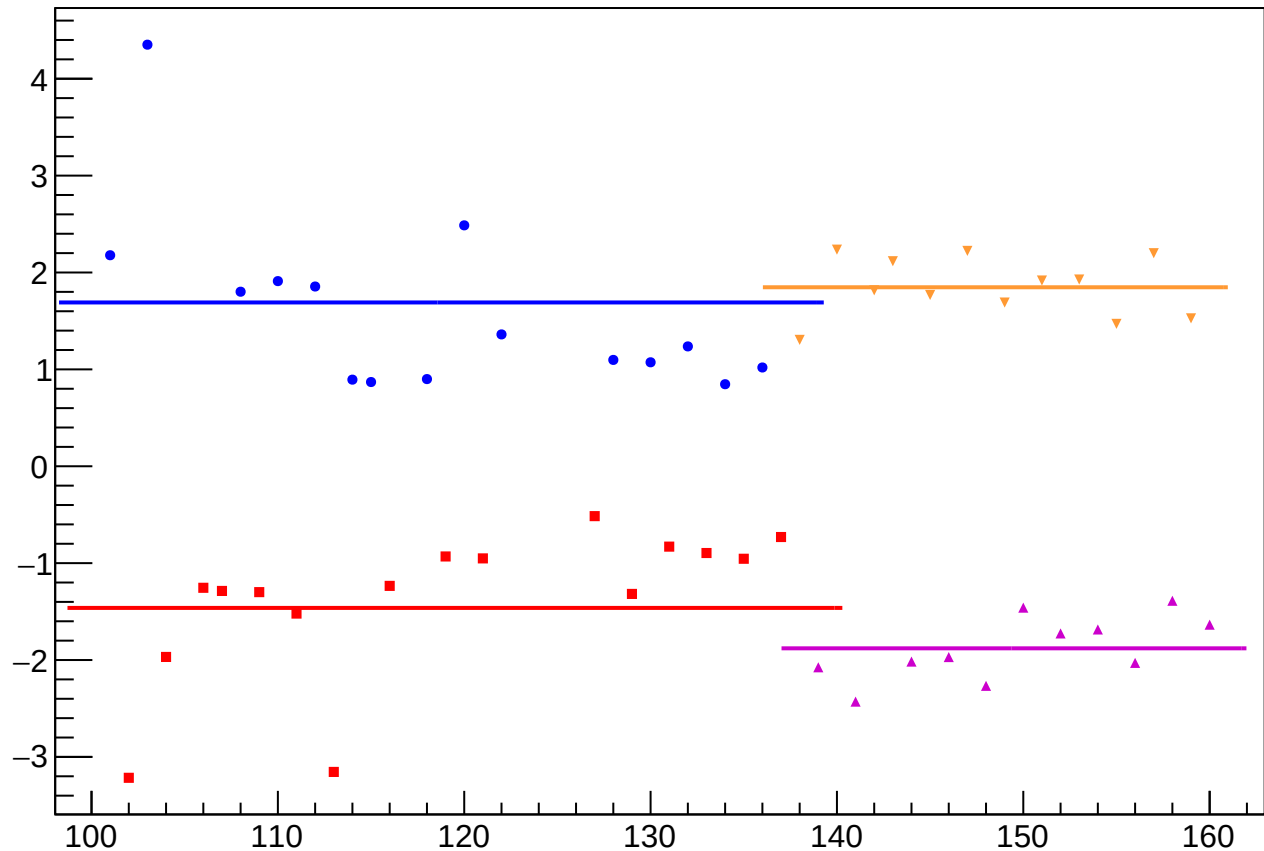
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aY_coil1_mean vs Slug, Sign Corrected



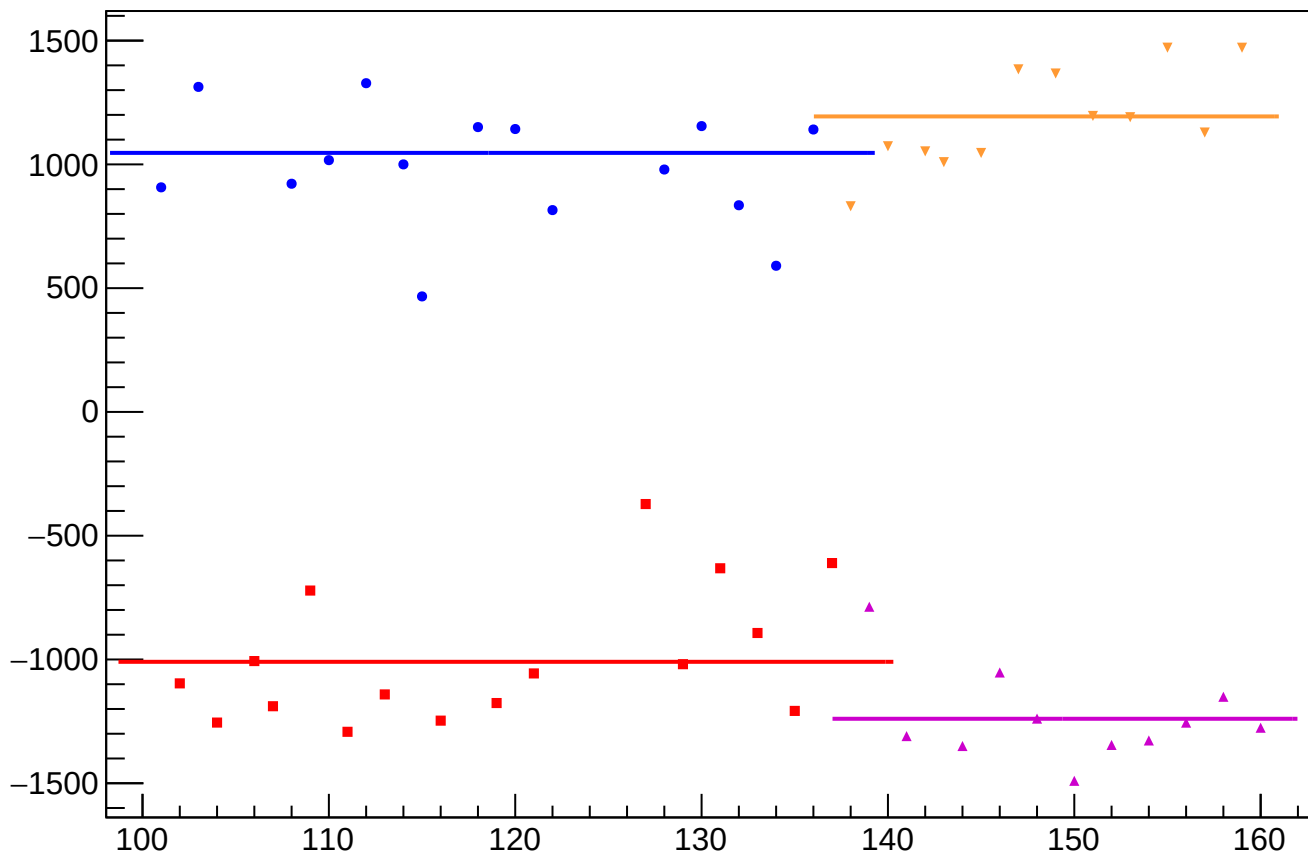
Right In: 2.171 $\pm$ 0.000 χ^2 /NDF: 3599819246909975678410499691642880.0/14
 Left Out: 3.848 $\pm$ 0.000 χ^2 /NDF: 5039599457588936759406360166137856.0/11
 Right Out: -2.148 $\pm$ 0.000 χ^2 /NDF: 3093887336239378959606321931878400.0/15
 Left In: -3.559 $\pm$ 0.000 χ^2 /NDF: 6492667345109962540652165758713856.0/10
 All: 0.065 $\pm$ 0.000 χ^2 /NDF: 49586913800618

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



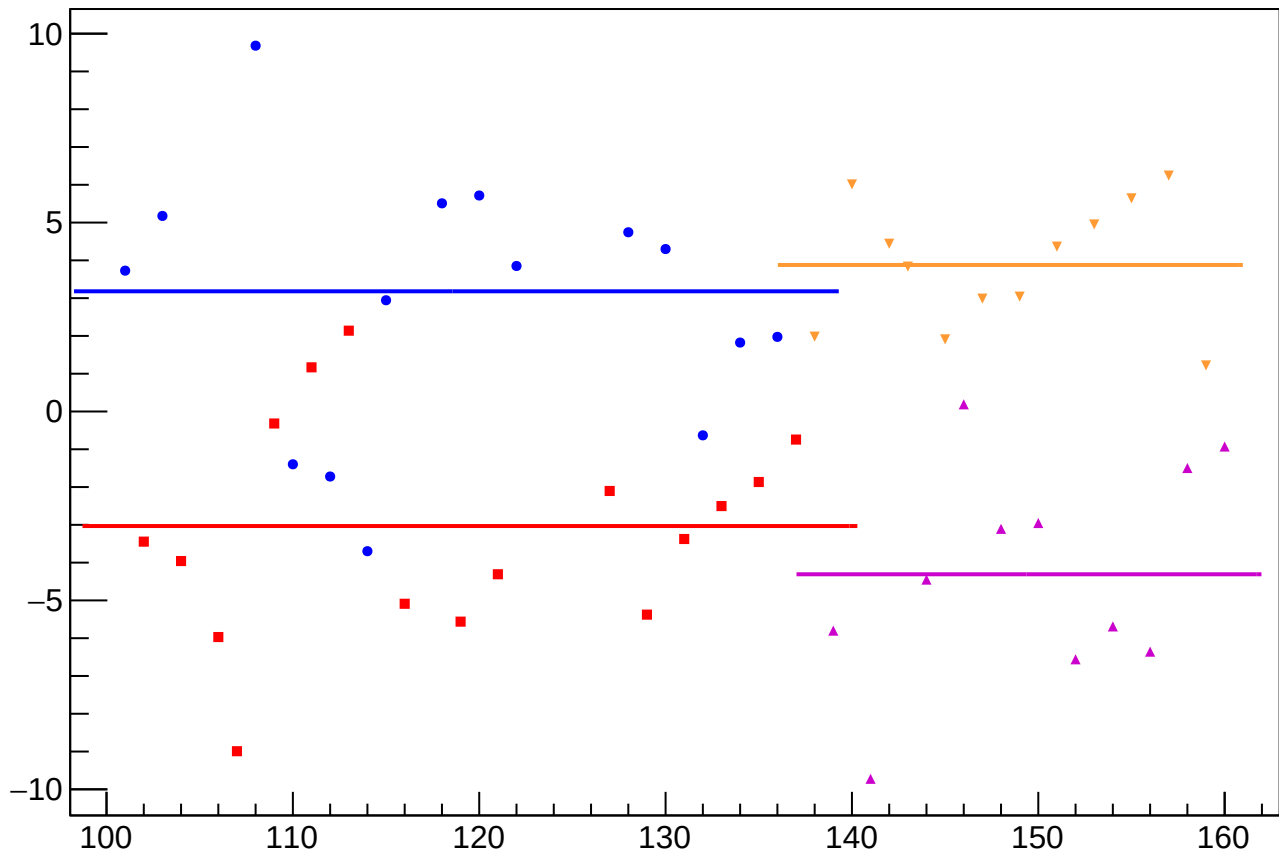
Right In: 1.691 ± 0.000 $\chi^2/\text{NDF}: 612163393317609859674079412355072.0/14$
 Left Out: 1.847 ± 0.000 $\chi^2/\text{NDF}: 84162850183102511254837045231616.0/11$
 Right Out: -1.462 ± 0.000 $\chi^2/\text{NDF}: 444384511662519040022371754835968.0/15$
 Left In: -1.879 ± 0.000 $\chi^2/\text{NDF}: 90968052268112309617342982127616.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10893960400462$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



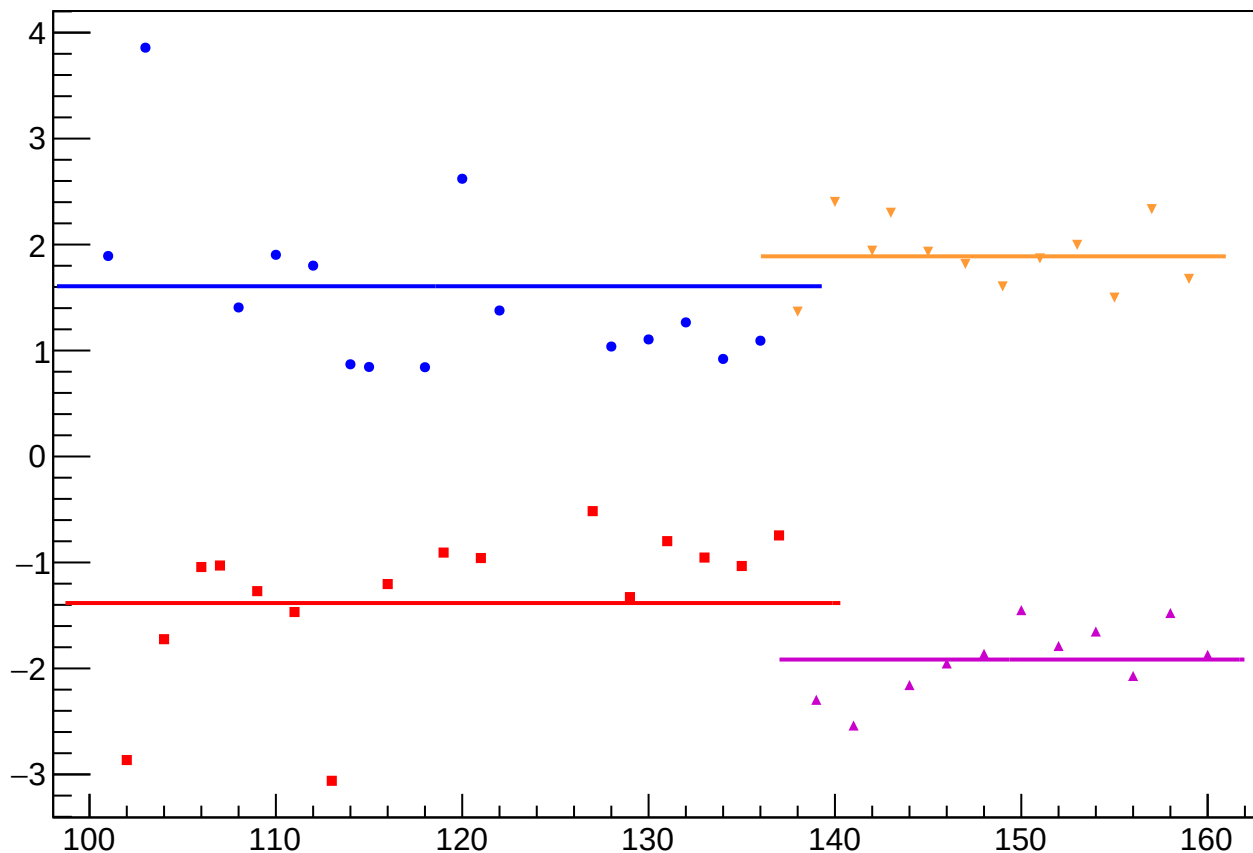
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
	All: -15.348+/-0.000		χ^2/NDF : 424479012287

dit_4eY_coil1_mean vs Slug, Sign Corrected



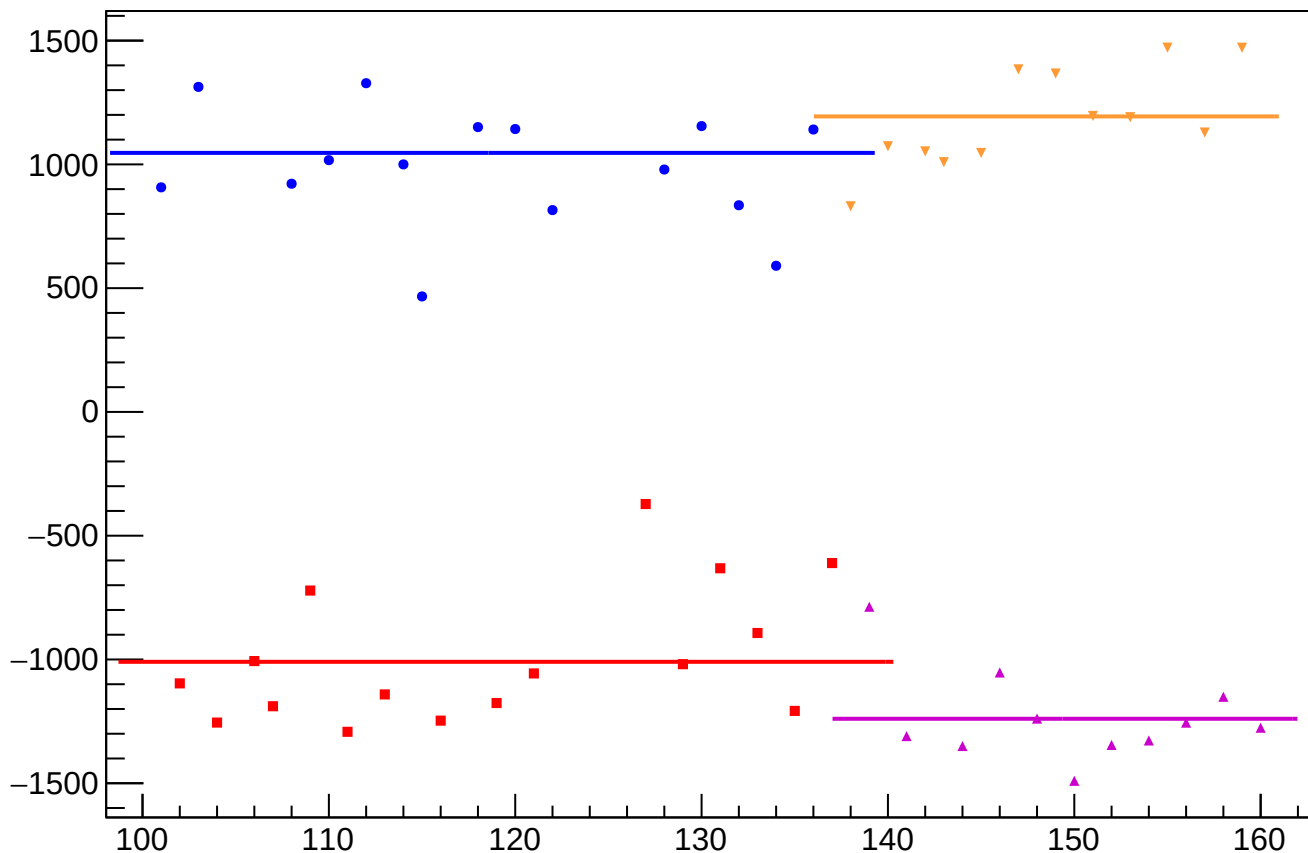
Left: -0.237 +/- 0.000 χ^2/NDF : 40330727078704471
 Right In: 3.181 +/- 0.000 χ^2/NDF : 5833303227868252617704566394191872.0/14
 Right: 0.032 +/- 0.000 χ^2/NDF : 23467771565313990
 Left Out: 3.878 +/- 0.000 χ^2/NDF : 2463584640289158504459219897417728.0/11
 In: -1.218 +/- 0.000 χ^2/NDF : 342914810766388262
 Right Out: -3.032 +/- 0.000 χ^2/NDF : 4937209831371793945496546833334272.0/15
 Out: 0.963 +/- 0.000 χ^2/NDF : 258114849490247466
 Left In: -4.308 +/- 0.000 χ^2/NDF : 7073495667694280351803168107003904.0/10
 All: -0.125 +/- 0.000 χ^2/NDF : 6385427084403

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



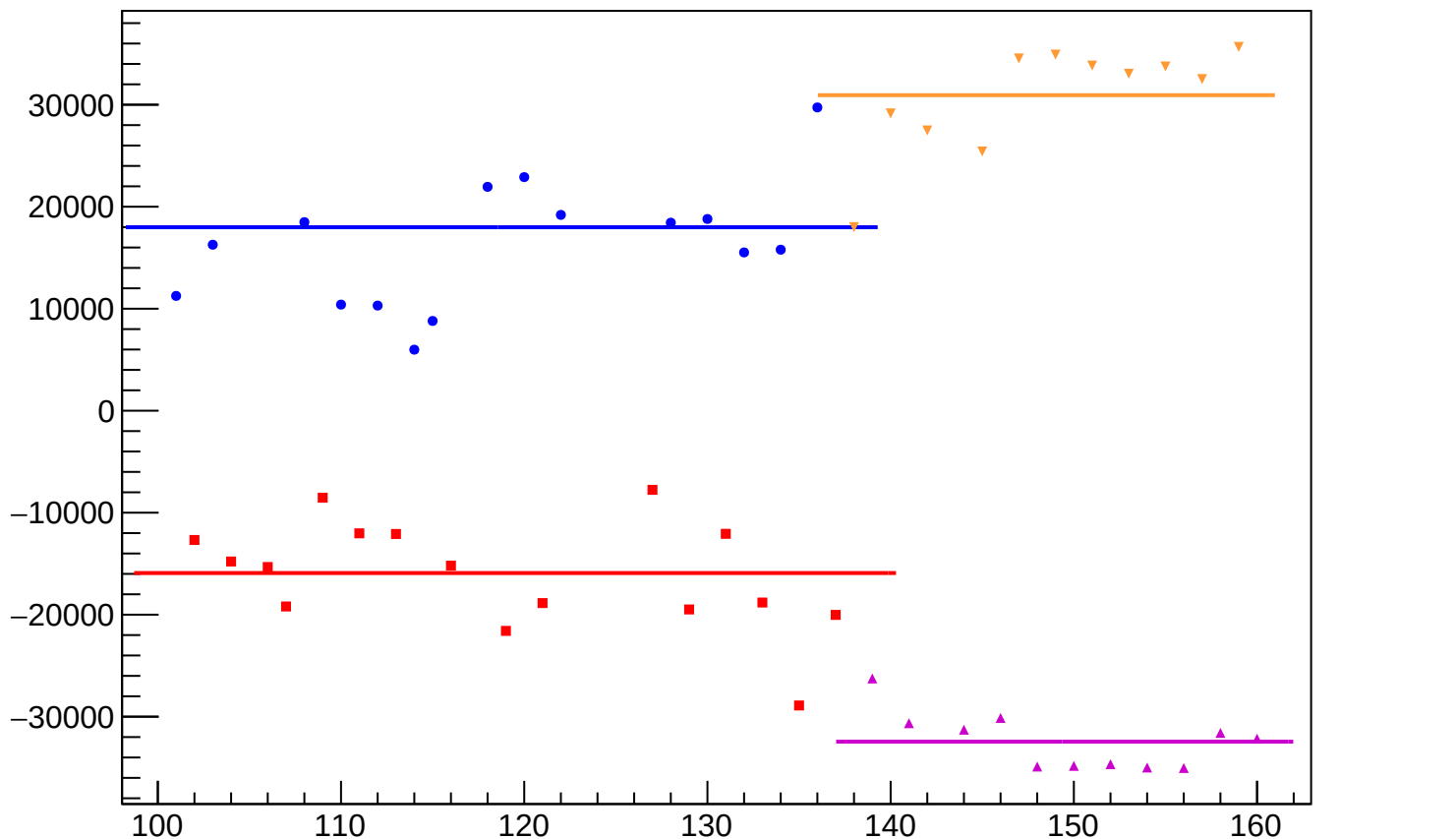
Right In: 1.607 ± 0.000 χ^2/NDF : 460949628640148184181205735833600.0/14
 Left Out: 1.889 ± 0.000 χ^2/NDF : 94097326064066188177587241484288.0/11
 Right Out: -1.383 ± 0.000 χ^2/NDF : 358348897016286200957650337792000.0/15
 Left In: -1.916 ± 0.000 χ^2/NDF : 95276515809016209875699691945984.0/10
 All: 0.024 ± 0.000 χ^2/NDF : 10610919143090

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



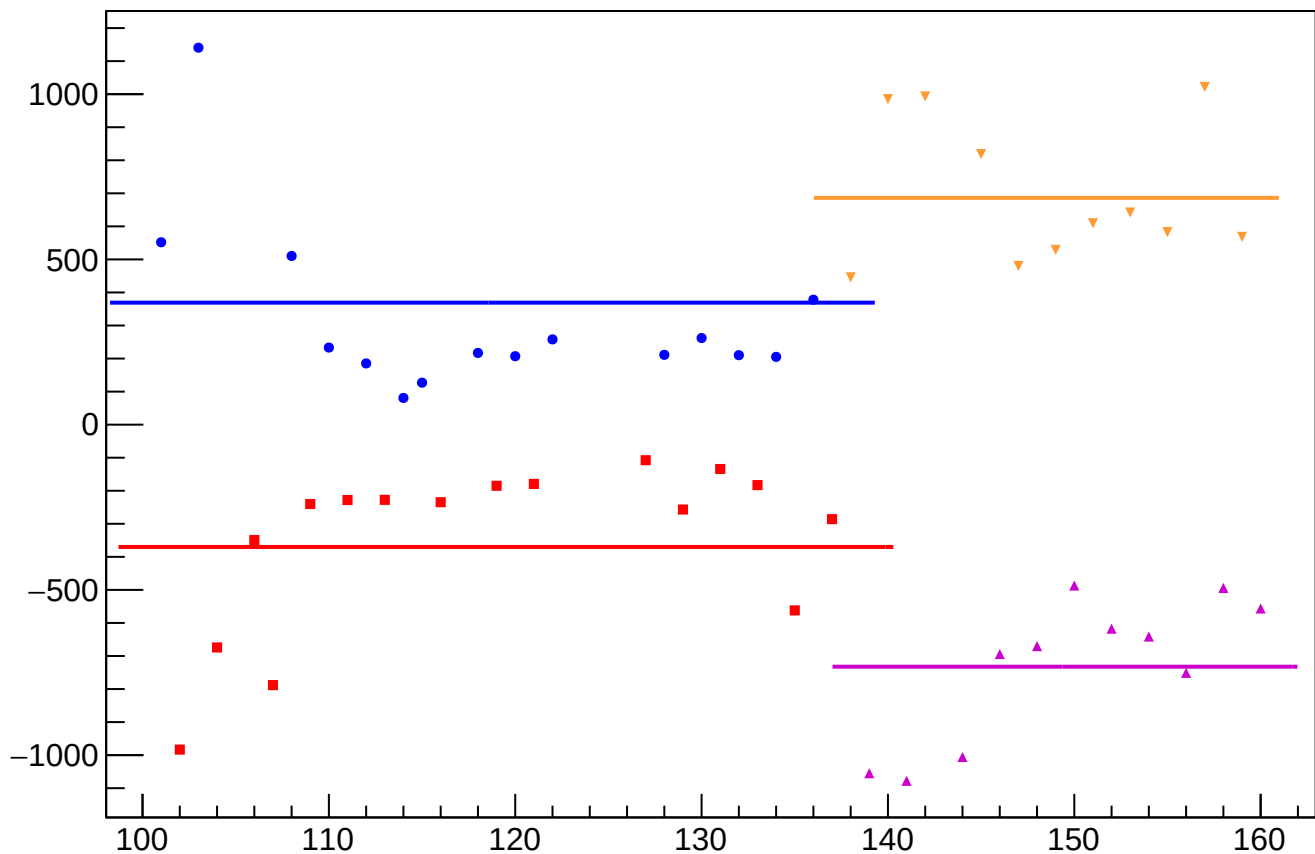
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
		All: -15.348+/-0.000	χ^2/NDF : 424479012287

dit_usl_coil1_mean vs Slug, Sign Corrected



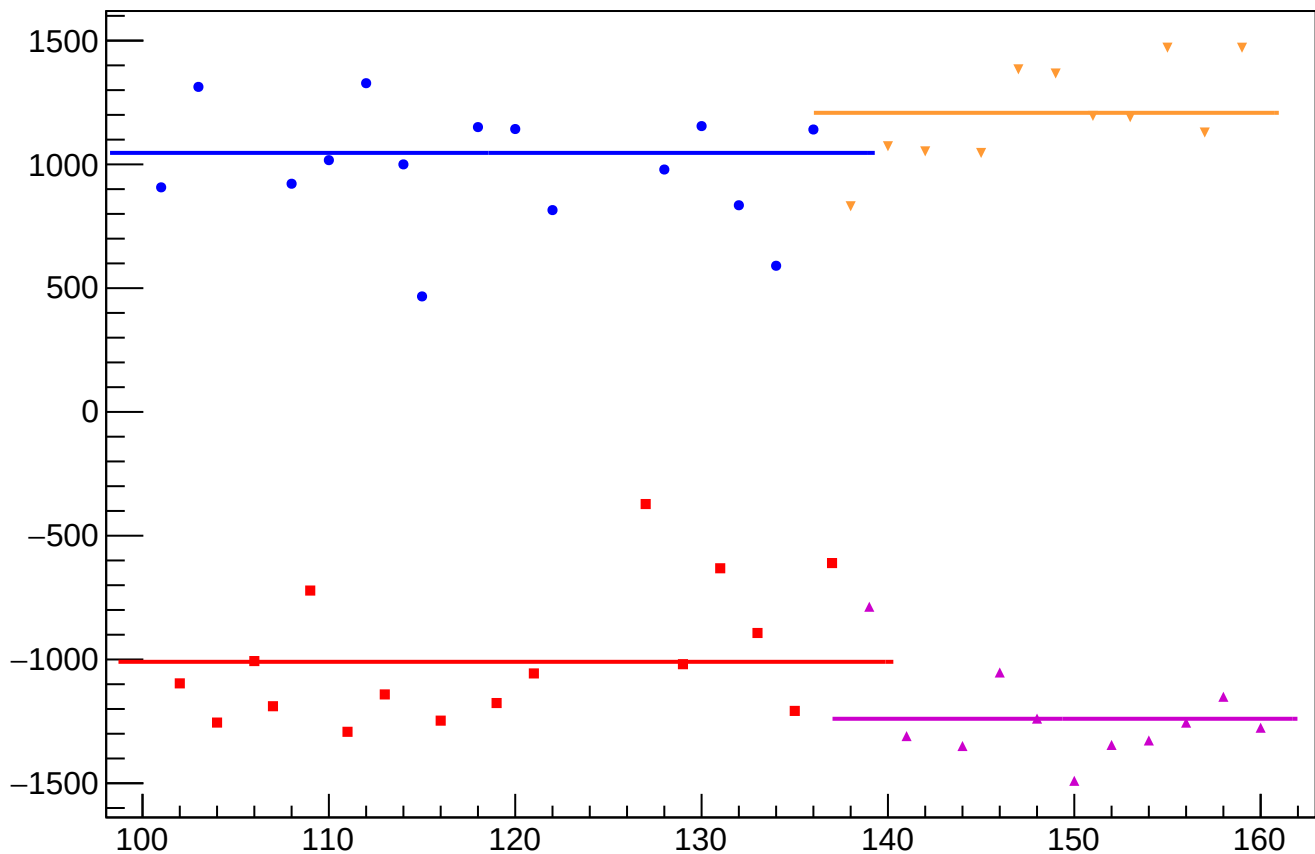
Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 30938.190+/-0.000 χ^2/NDF : 22231201695257869773275369100022395174912.0/10
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32448.675+/-0.000 χ^2/NDF : 6566176061380629796456552080625585094656.0/10
 All: -880.808+/-0.000 χ^2/NDF : 22337383681

dit_usl_coil1_err_mean vs Slug, Sign Corrected



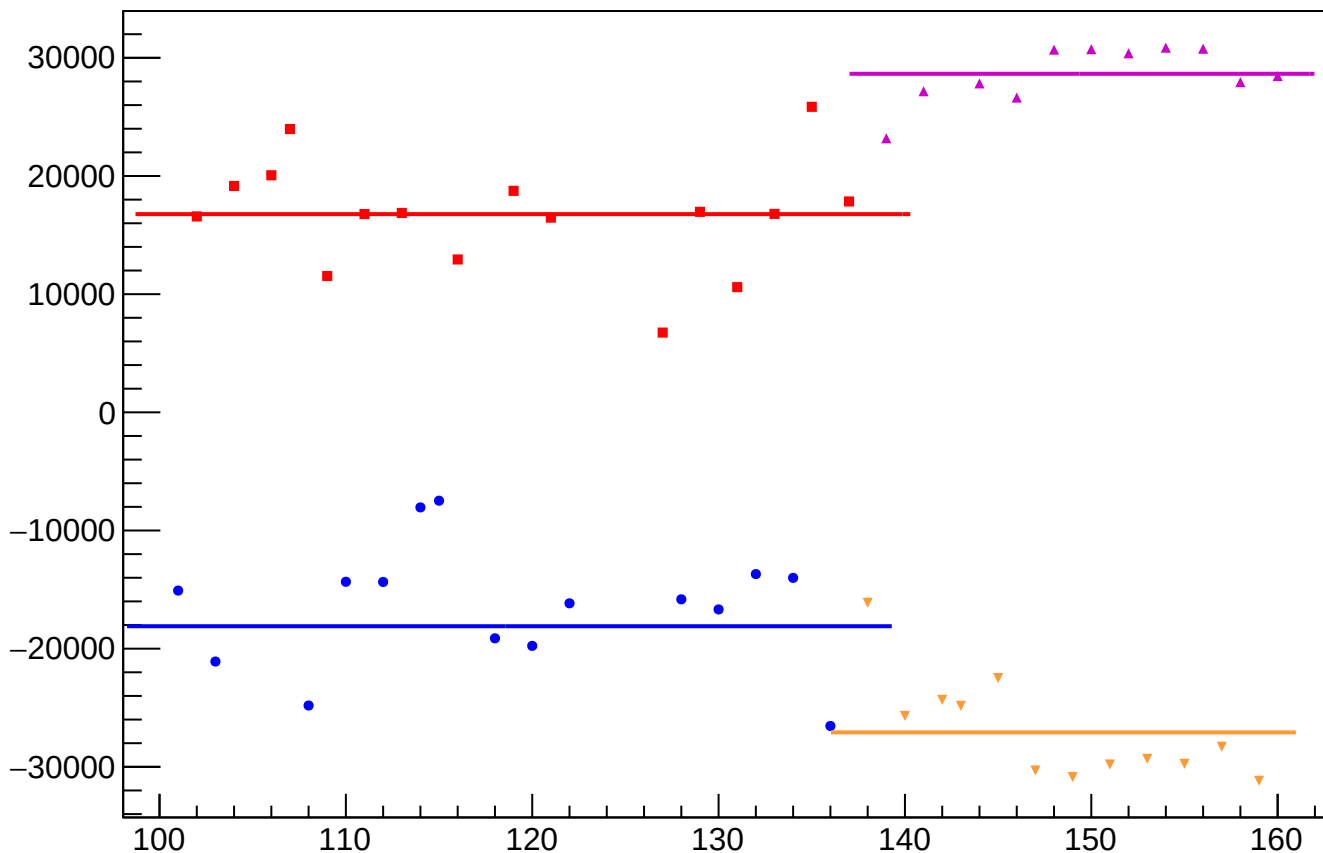
Right In: 369.169+/-0.000 χ^2/NDF : 48053036789565485994195833341370957824.0/14
 Left Out: 686.240+/-0.000 χ^2/NDF : 34417236167842983766159212562513657856.0/10
 Right Out: -370.091+/-0.000 χ^2/NDF : 48214462907052107543037037125316902912.0/15
 Left In: -732.414+/-0.000 χ^2/NDF : 39942105840529115736569596950263889920.0/10
 All: -33.290+/-0.000 χ^2/NDF : 124154771081

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1208.342+/-0.000 χ^2/NDF : 31920270949065456215955115636701528064.0/10
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -37.580+/-0.000 χ^2/NDF : 417296815174

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -27085.326+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28650.410+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 16913671790830002451724713056210492850176.0/11

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4838827535981080826725947474344765554688.0/10

Left: 934.162+/-0.000 χ^2/NDF : 1449134260498682

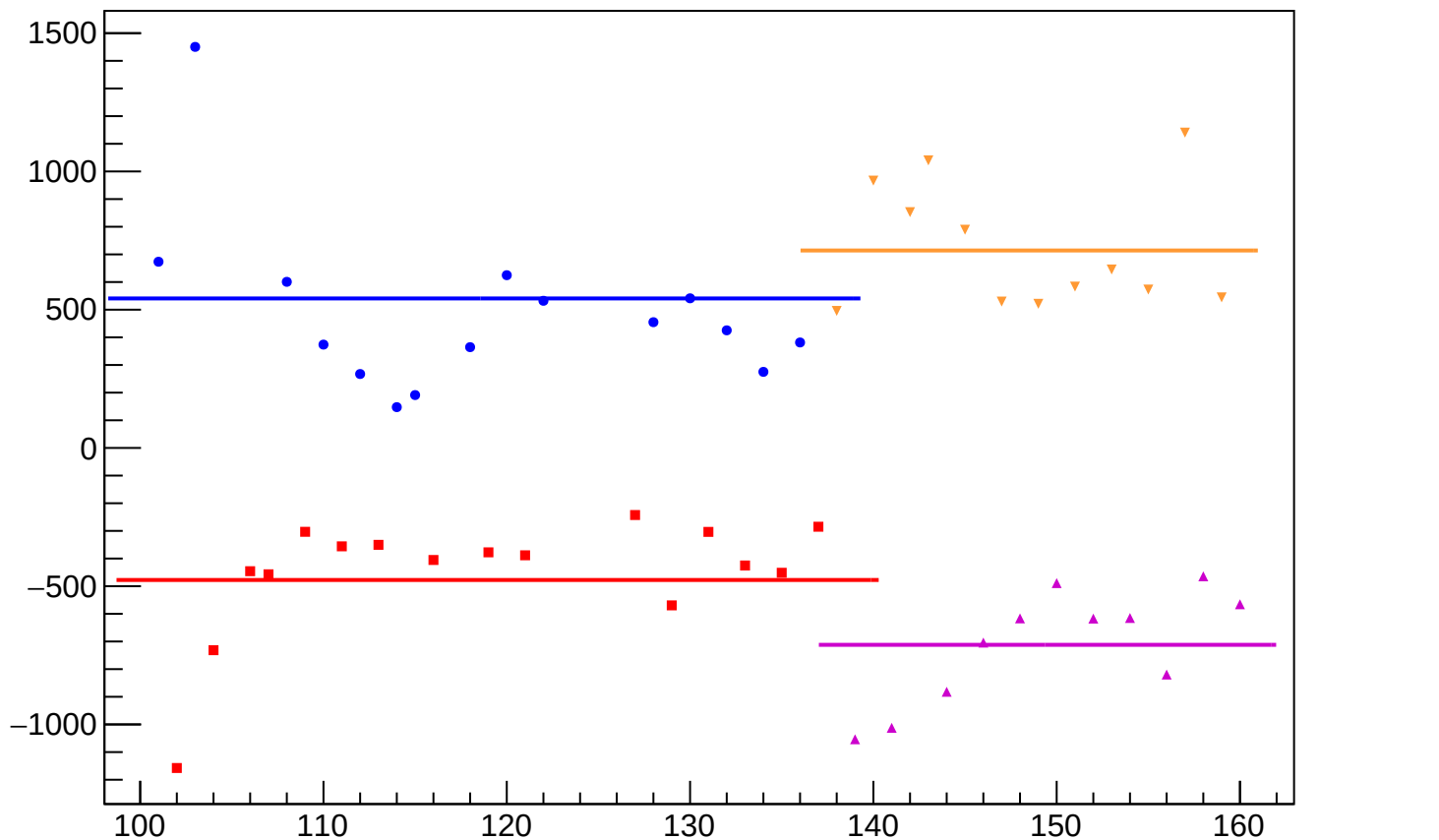
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8581.907+/-0.000 χ^2/NDF : 77289596182504

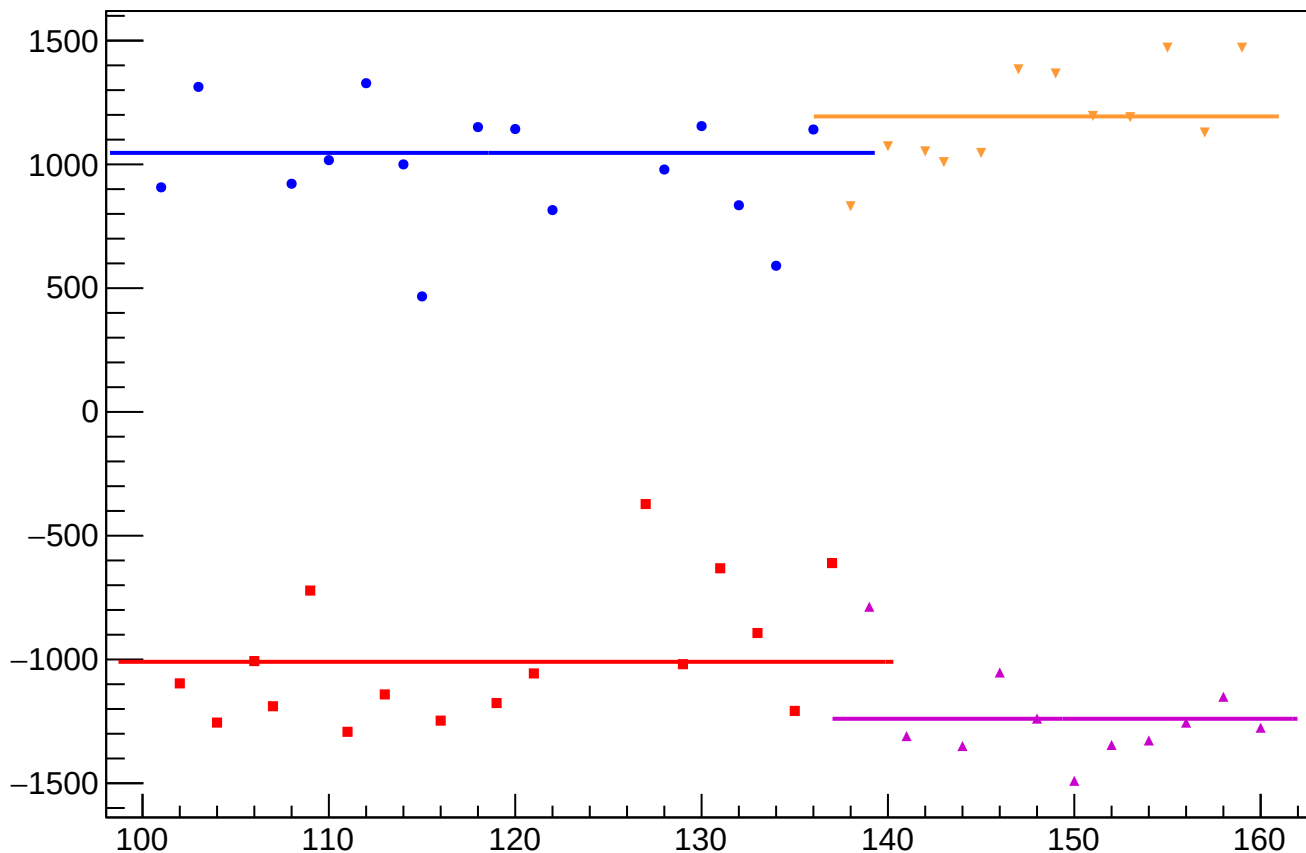
All: 367.048+/-0.000 χ^2/NDF : 18794796419

dit_usr_coil1_err_mean vs Slug, Sign Corrected



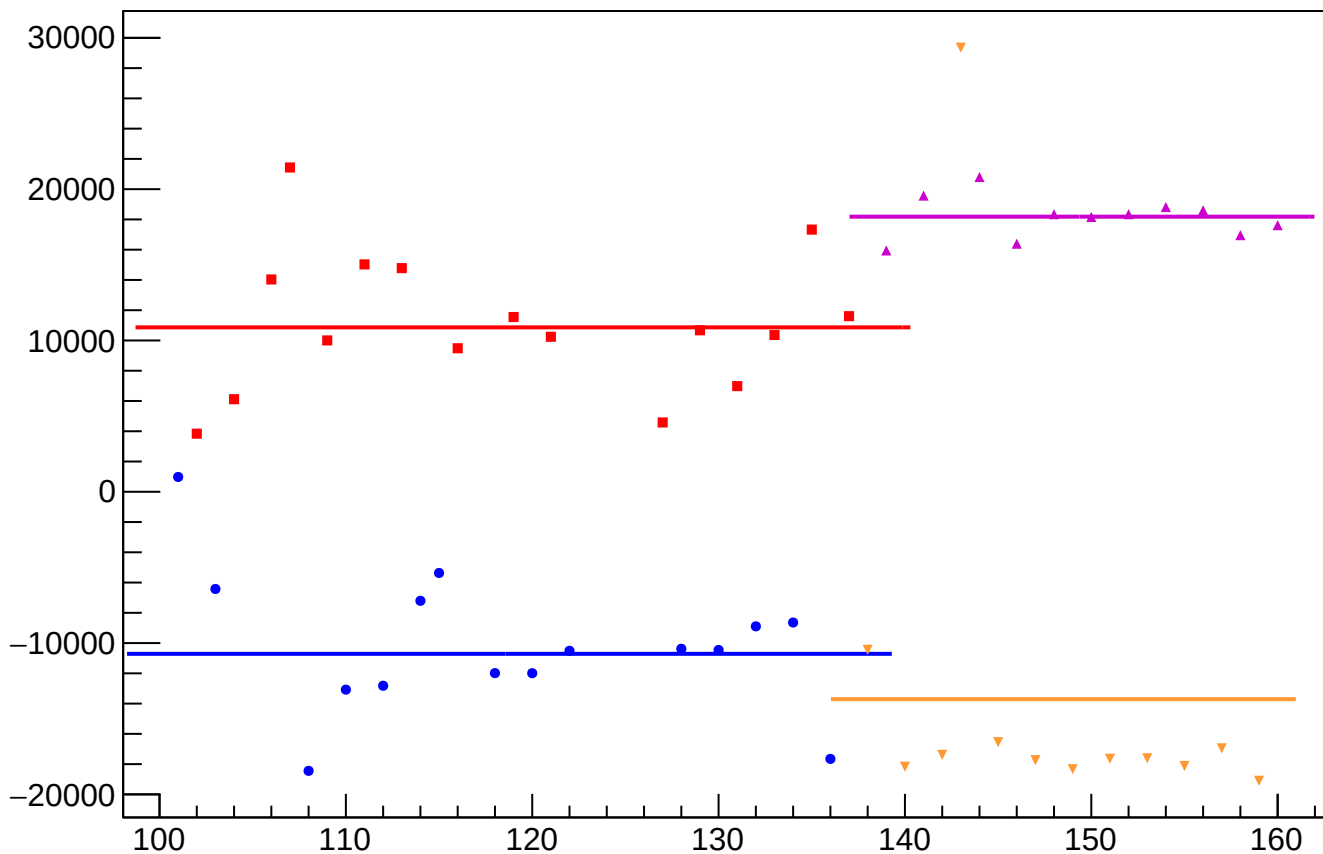
Left: -2.853 +/- 0.000 χ^2/NDF : 10119212919667896
 Right: 24.595 +/- 0.000 χ^2/NDF : 4443717563002768
 In: -195.221 +/- 0.000 χ^2/NDF : 6969405075379816
 Out: 211.390 +/- 0.000 χ^2/NDF : 6295663774355160
 All: 8.600 +/- 0.000 χ^2/NDF : 14568707976042

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292 +/- 0.000

χ^2/NDF : 16945226152053511840482618402250170564608.0/14

Left Out: -13705.488 +/- 0.000

χ^2/NDF : 138226511026527050662319693841079709204480.0/11

Right Out: 10866.264 +/- 0.000

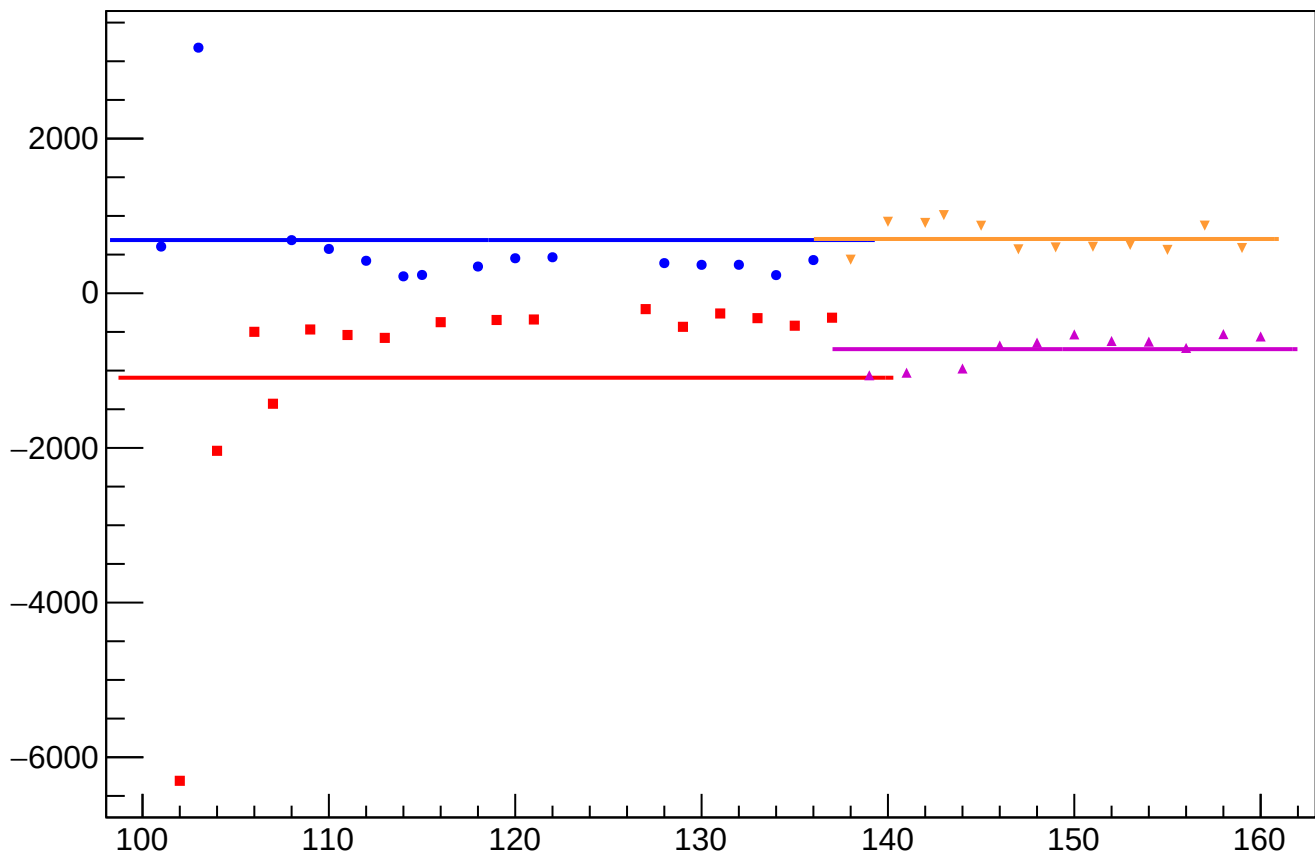
χ^2/NDF : 14234762838858382484525901644131626647552.0/15

Left In: 18181.504 +/- 0.000

χ^2/NDF : 1643617183572647868818914289162838343680.0/10

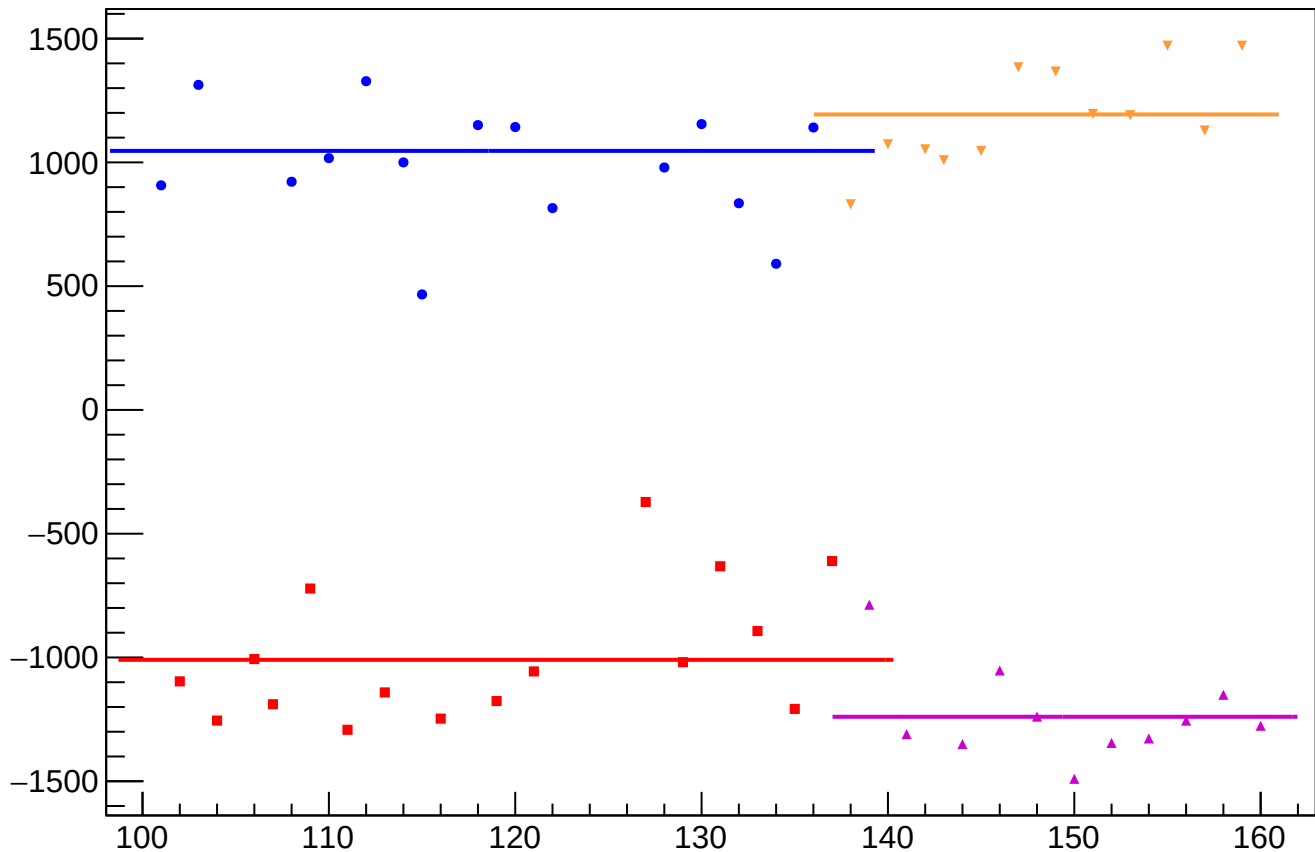
All: 1448.863 +/- 0.000 χ^2/NDF : 79476286142

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



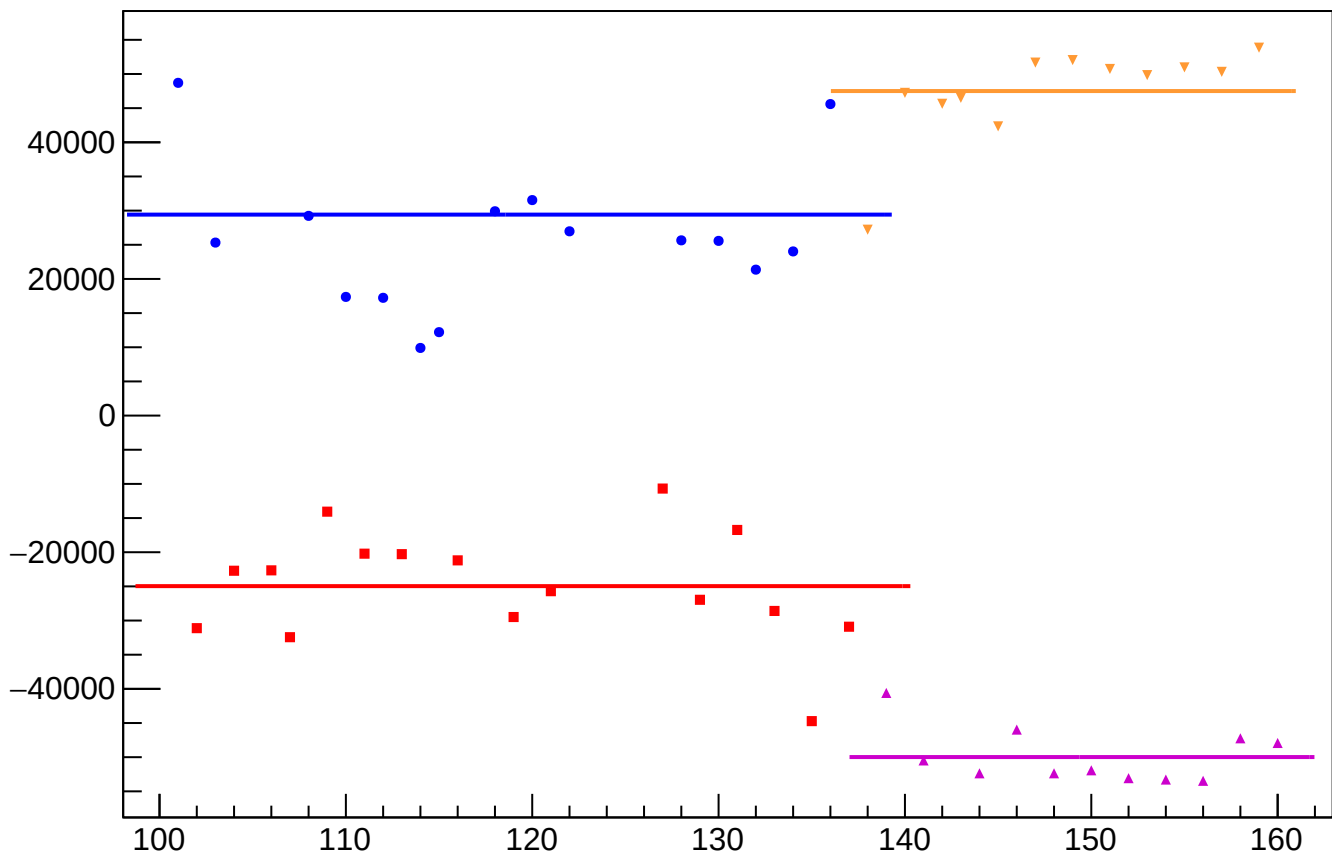
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 701.825 ± 0.000 $\chi^2/\text{NDF}: 29011752452264624264282448573098885120.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.785 ± 0.000 $\chi^2/\text{NDF}: 436080381727$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47501.916+/-0.000

χ^2/NDF : 43591715334933801645565199836761766756352.0/11

Right Out: -24963.010+/-0.000

χ^2/NDF : 45631572920122171972835961685494315614208.0/15

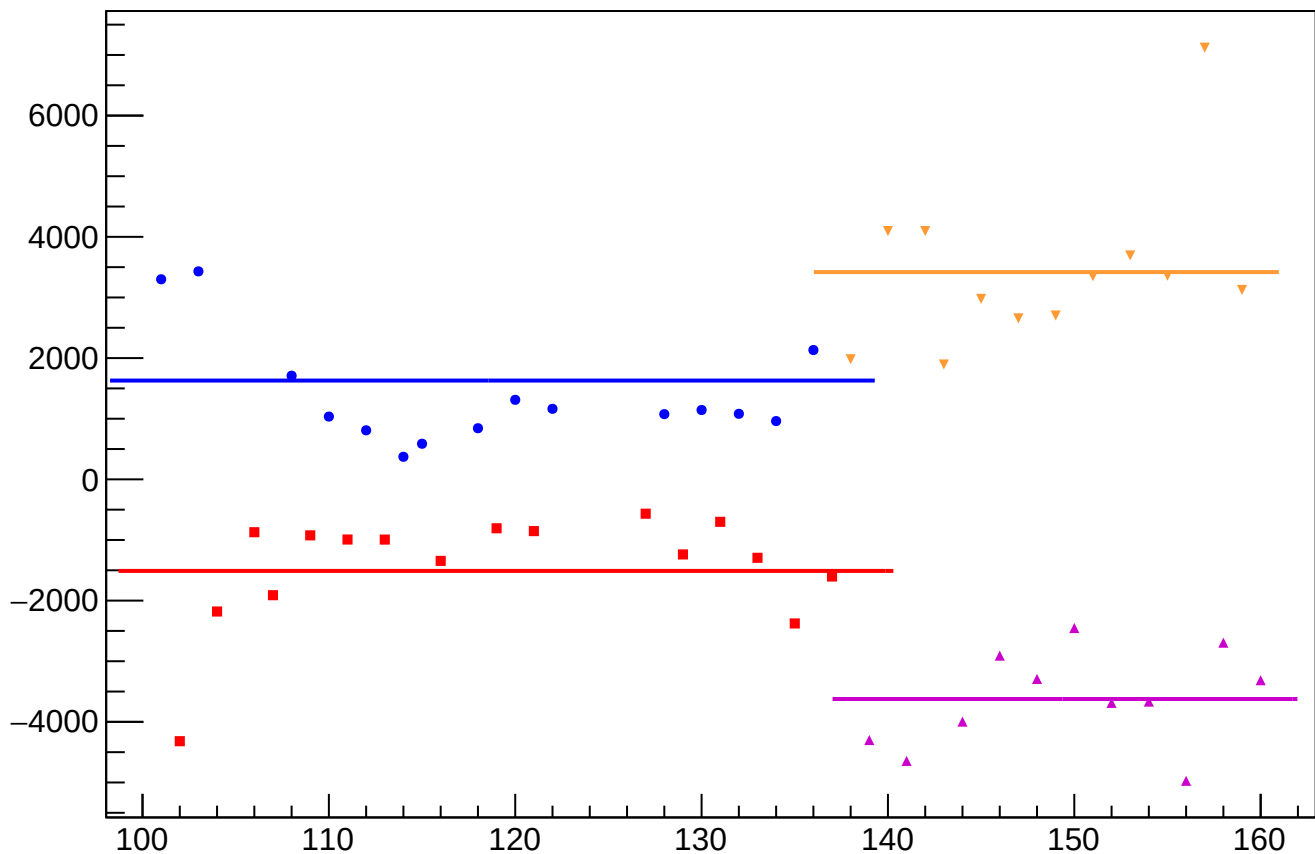
Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

All: -103.402+/-0.000

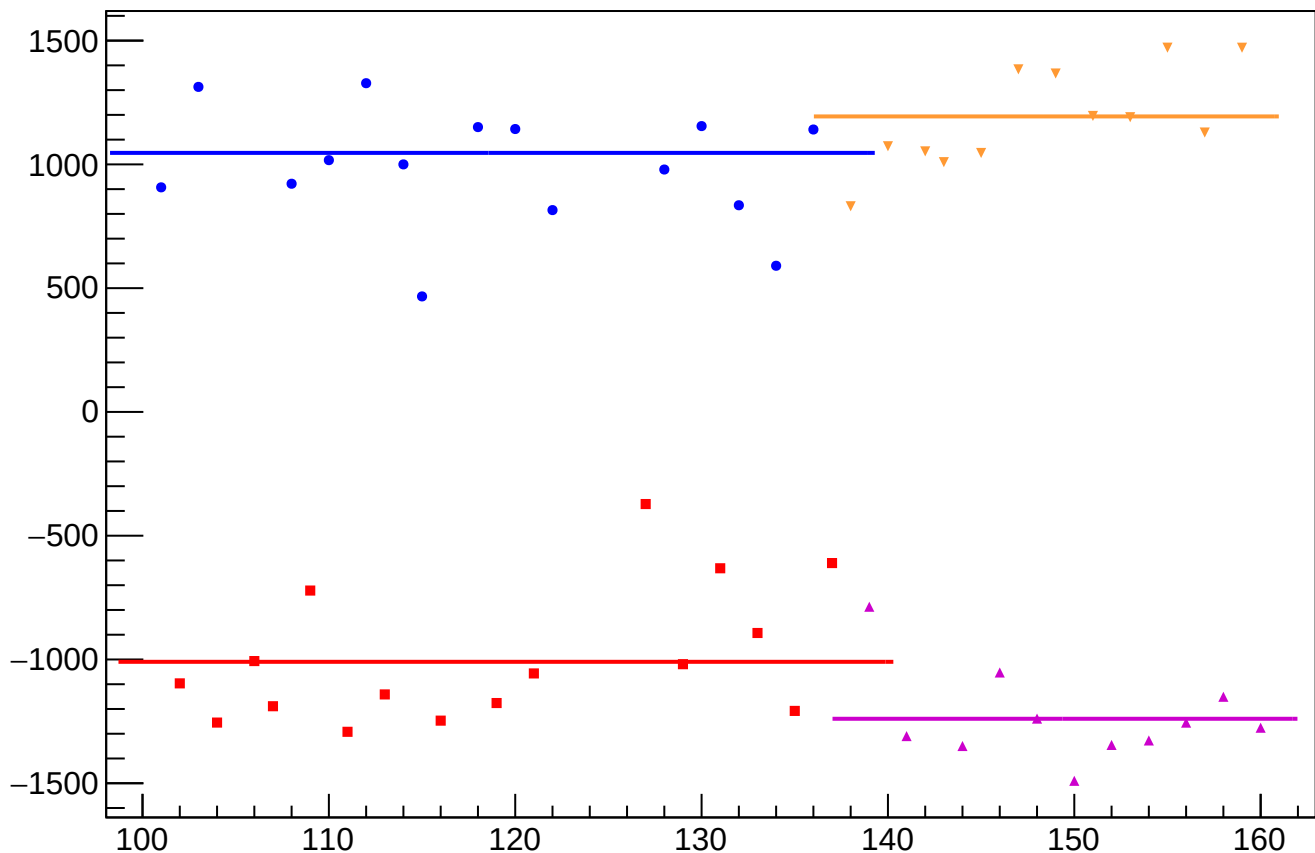
χ^2/NDF : 55223983268

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



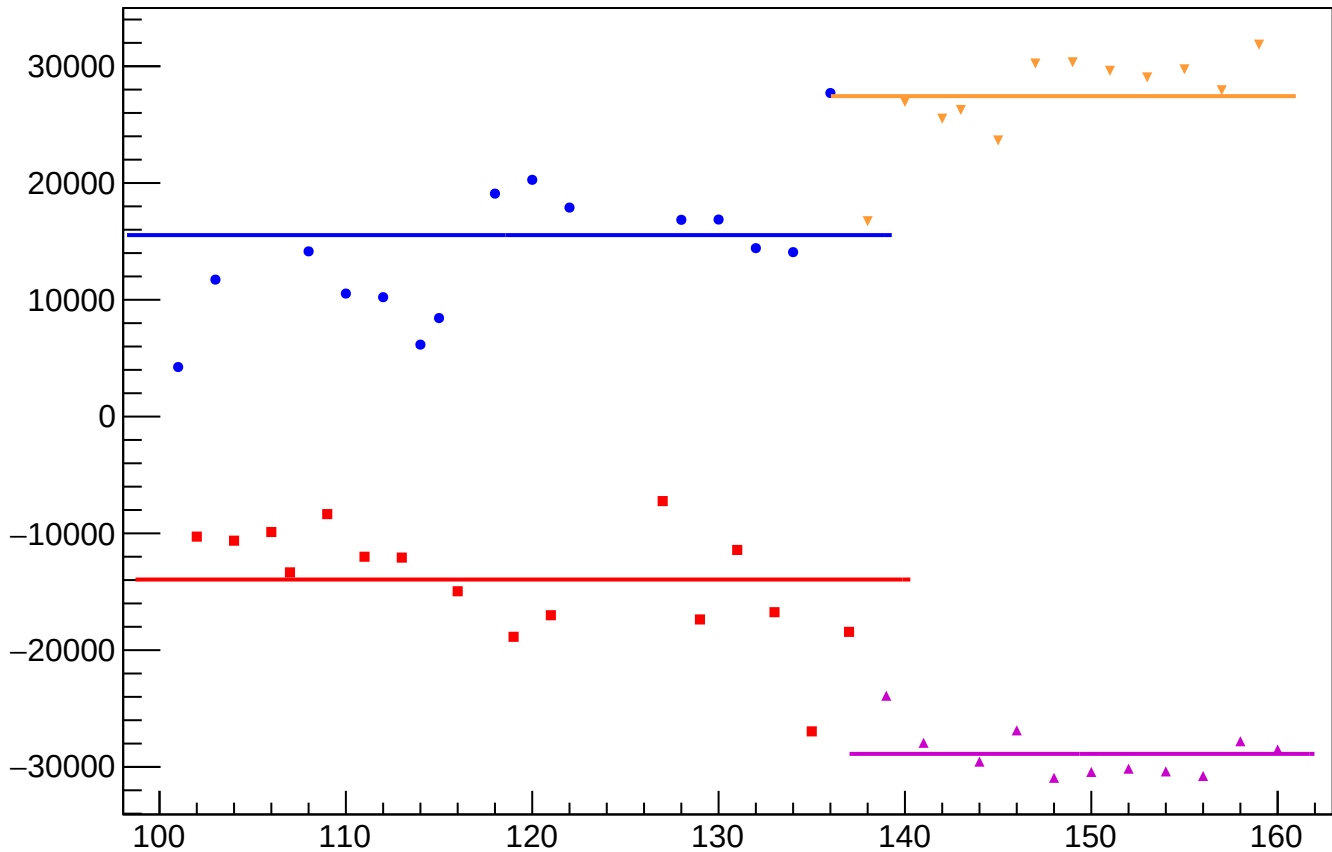
Left: -121.241+/-0.000 χ^2/NDF : 248991886844976
 Right In: 1629.542+/-0.000 χ^2/NDF : 551738555355028902194697896437152219136.0/14
 Right: 38.151+/-0.000 χ^2/NDF : 4482831303964084
 Left Out: 3418.927+/-0.000 χ^2/NDF : 1575515144069936231955966928879934767104.0/11
 In: -1455.923+/-0.000 χ^2/NDF : 116076826116412
 Right Out: -1510.293+/-0.000 χ^2/NDF : 688231904046816211321774524619745656832.0/15
 Out: 1339.363+/-0.000 χ^2/NDF : 116328176360275
 Left In: -3623.095+/-0.000 χ^2/NDF : 537714450371269509719141411292840984576.0/10
 All: -54.735+/-0.000 χ^2/NDF : 294015037802

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 27439.616+/-0.000

χ^2/NDF : 14247025908871725813351088668818926469120.0/11

Right Out: -13951.799+/-0.000

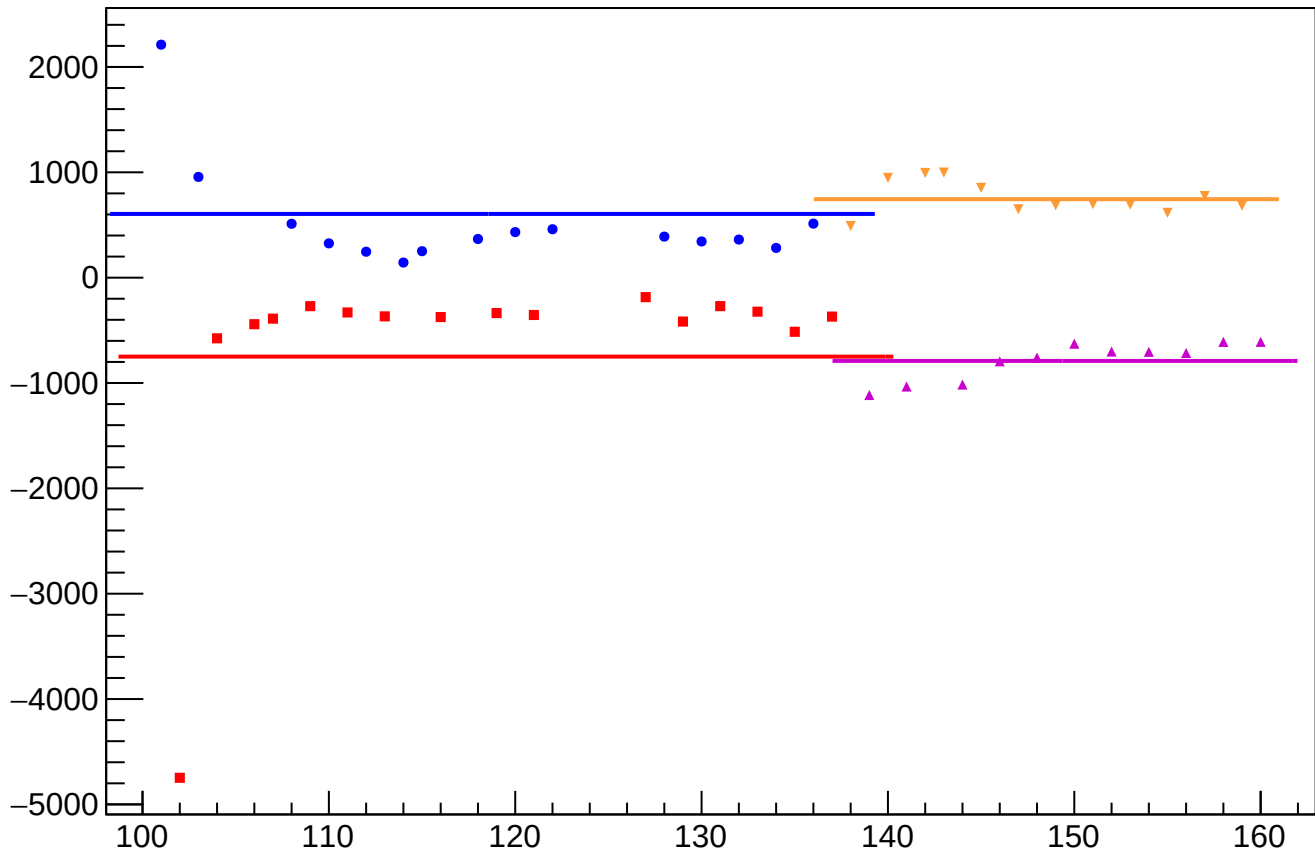
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

All: -262.152+/-0.000 χ^2/NDF : 18076481618

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



Right In: 605.034 +/- 0.000

χ^2/NDF : 189401522791607614448600157723362852864.0/14

Left: -26.826 +/- 0.000 χ^2/NDF : 1129978912753072

Right: -81.538 +/- 0.000 χ^2/NDF : 181435748538570

Left Out: 744.985 +/- 0.000

χ^2/NDF : 19571453984278961719936247870544412672.0/11

In: -214.593 +/- 0.000 χ^2/NDF : 9589997746321814

Right Out: -749.582 +/- 0.000

χ^2/NDF : 1021358768377495935693748779804344188928.0/15

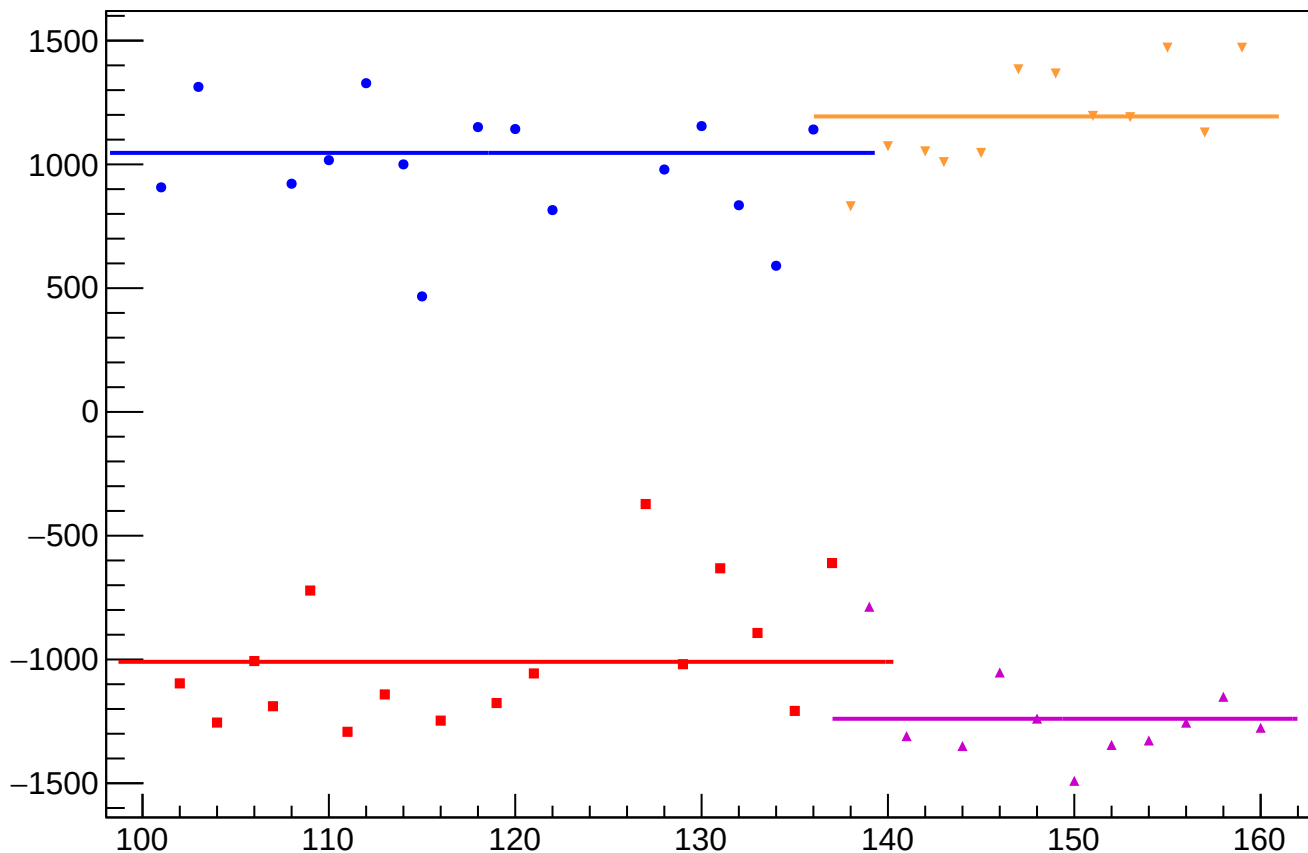
Out: 114.449 +/- 0.000 χ^2/NDF : 1902262791506616

Left In: -790.283 +/- 0.000

χ^2/NDF : 27375995163011560101349166949437800448.0/10

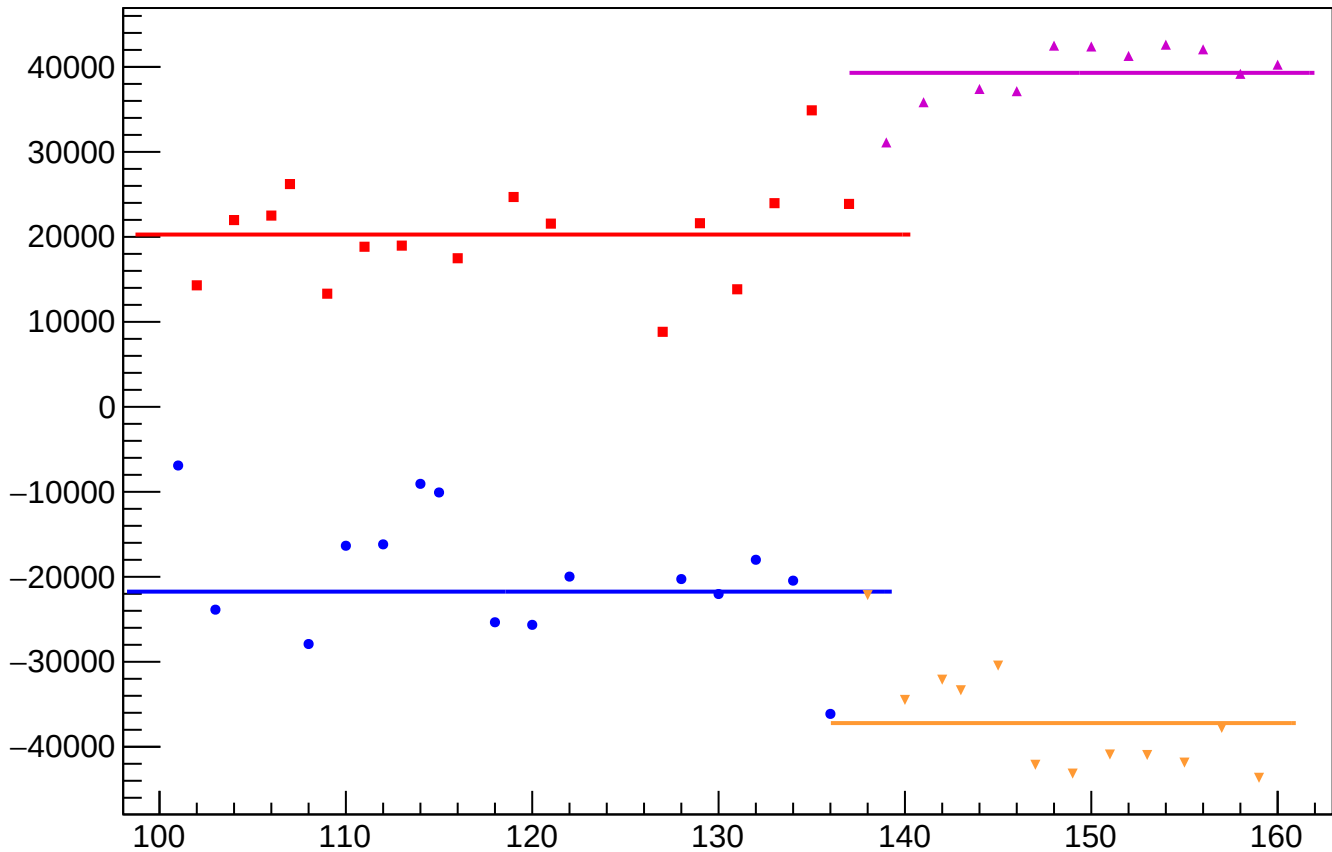
All: -49.654 +/- 0.000 χ^2/NDF : 294663207457

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -37210.761+/-0.000

Right Out: 20275.415+/-0.000

Left In: 39301.203+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 36234813568101266501920845904945520574464.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10890557195828480655850873156116452212736.0/10

Left: 1253.360+/-0.000 χ^2/NDF : 273699578436603

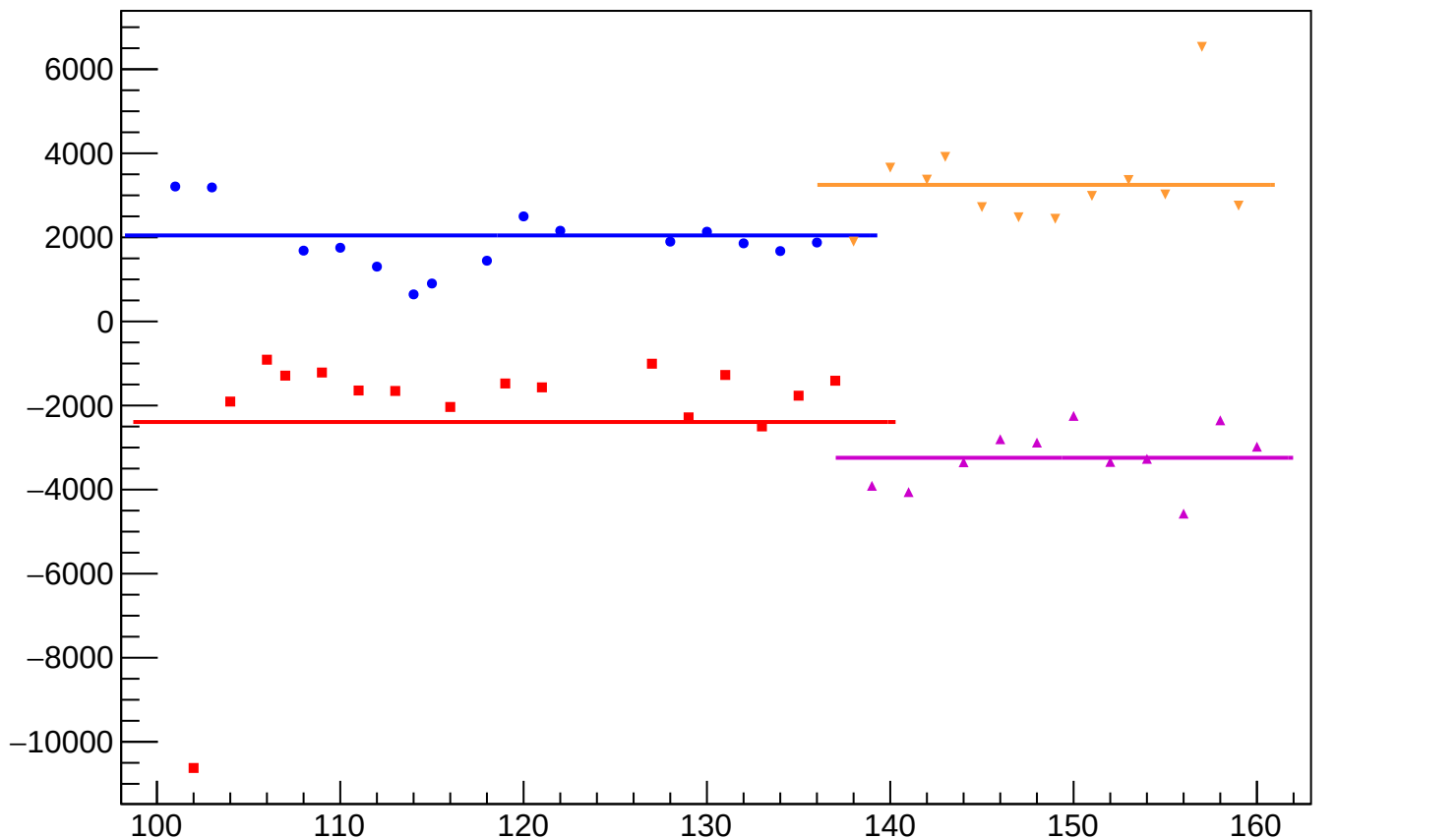
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 14114.985+/-0.000 χ^2/NDF : 147263048816292

Out: -12958.212+/-0.000 χ^2/NDF : 1336456927560

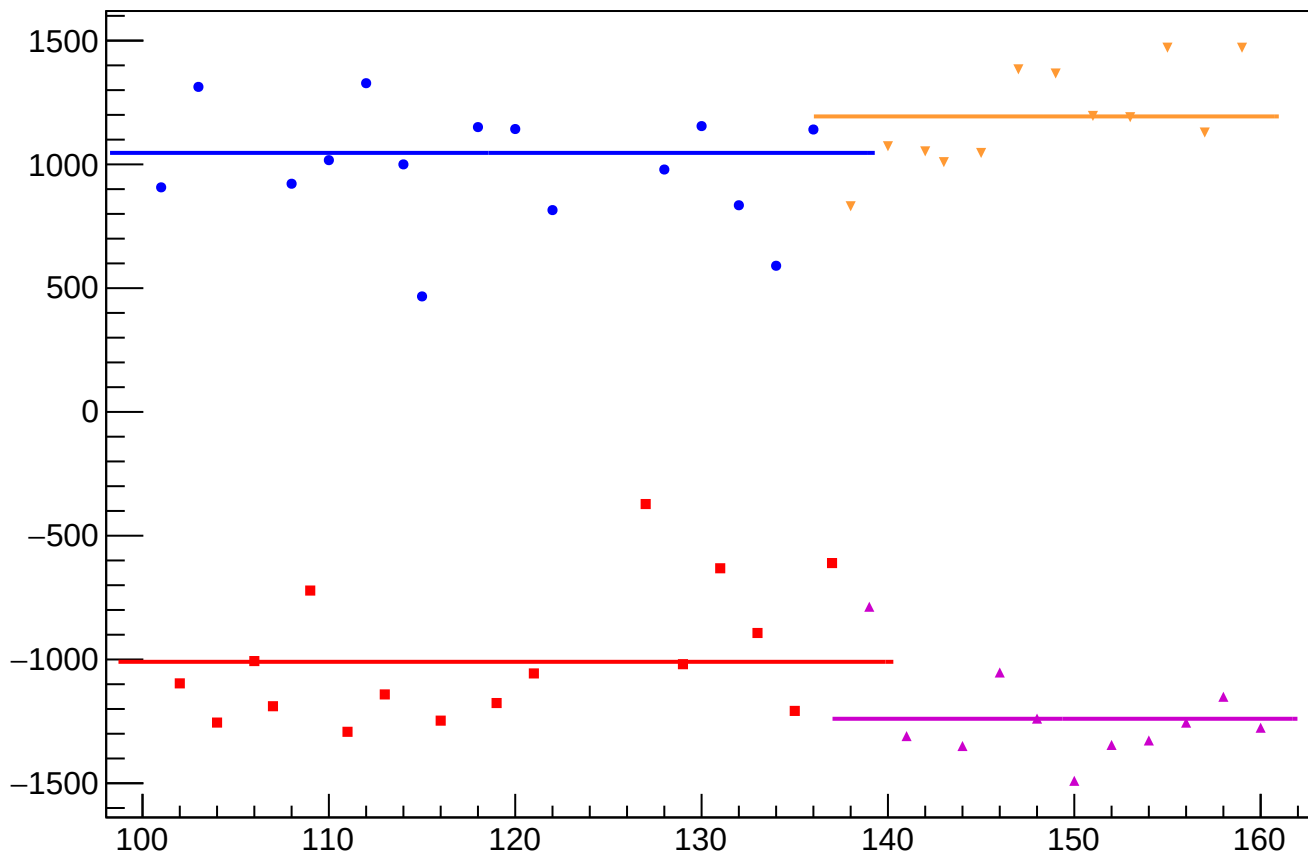
All: 544.051+/-0.000 χ^2/NDF : 338702108163

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



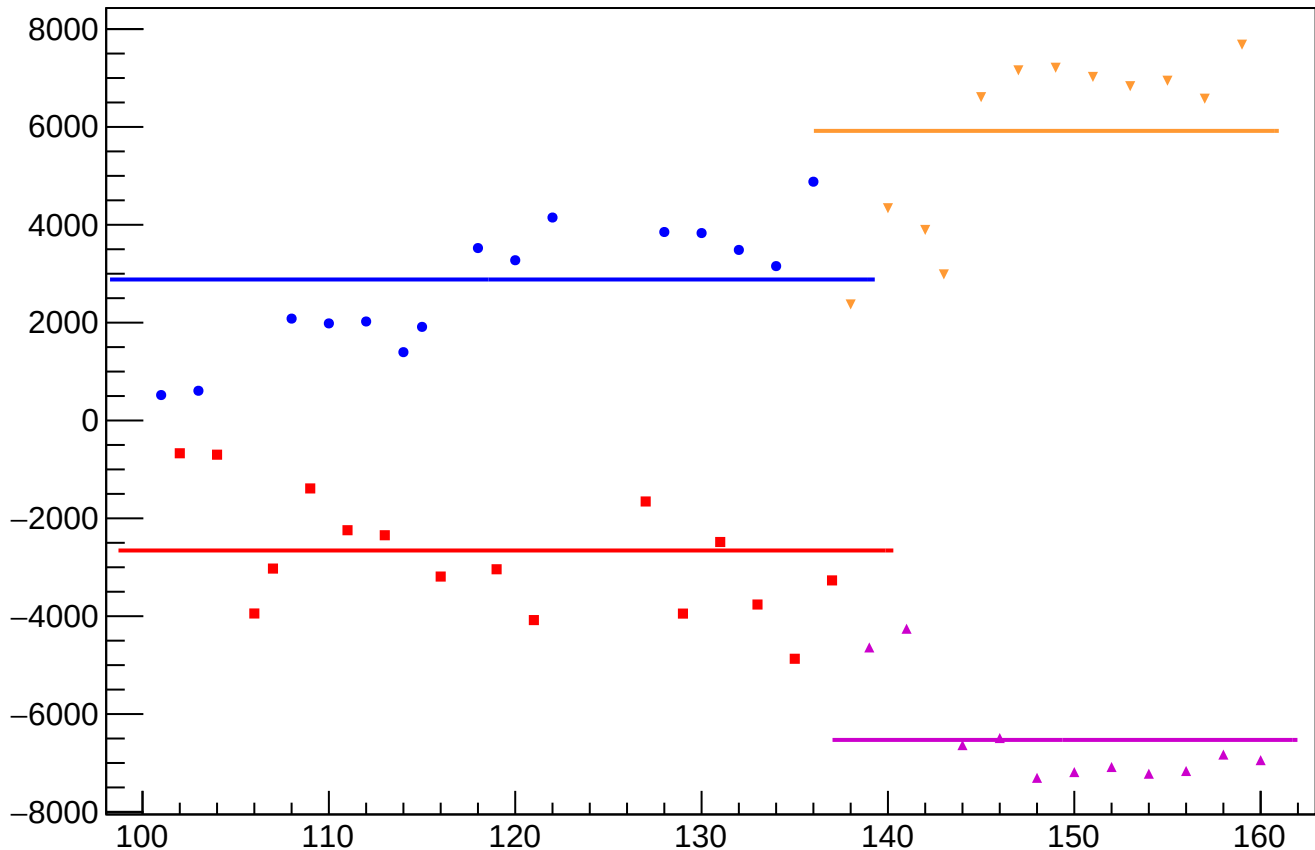
Right In: 2046.354+/-0.000 χ^2/NDF : 266555515927348892036833058355226345472.0/14
 Left Out: 3249.314+/-0.000 χ^2/NDF : 1190726211956001849078073092083852247040.0/11
 Right Out: -2391.939+/-0.000 χ^2/NDF : 4415294964789778815259357544579499819008.0/15
 Left In: -3243.479+/-0.000 χ^2/NDF : 422752345809564414875941115453230809088.0/10
 All: -93.355+/-0.000 χ^2/NDF : 321724014891

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



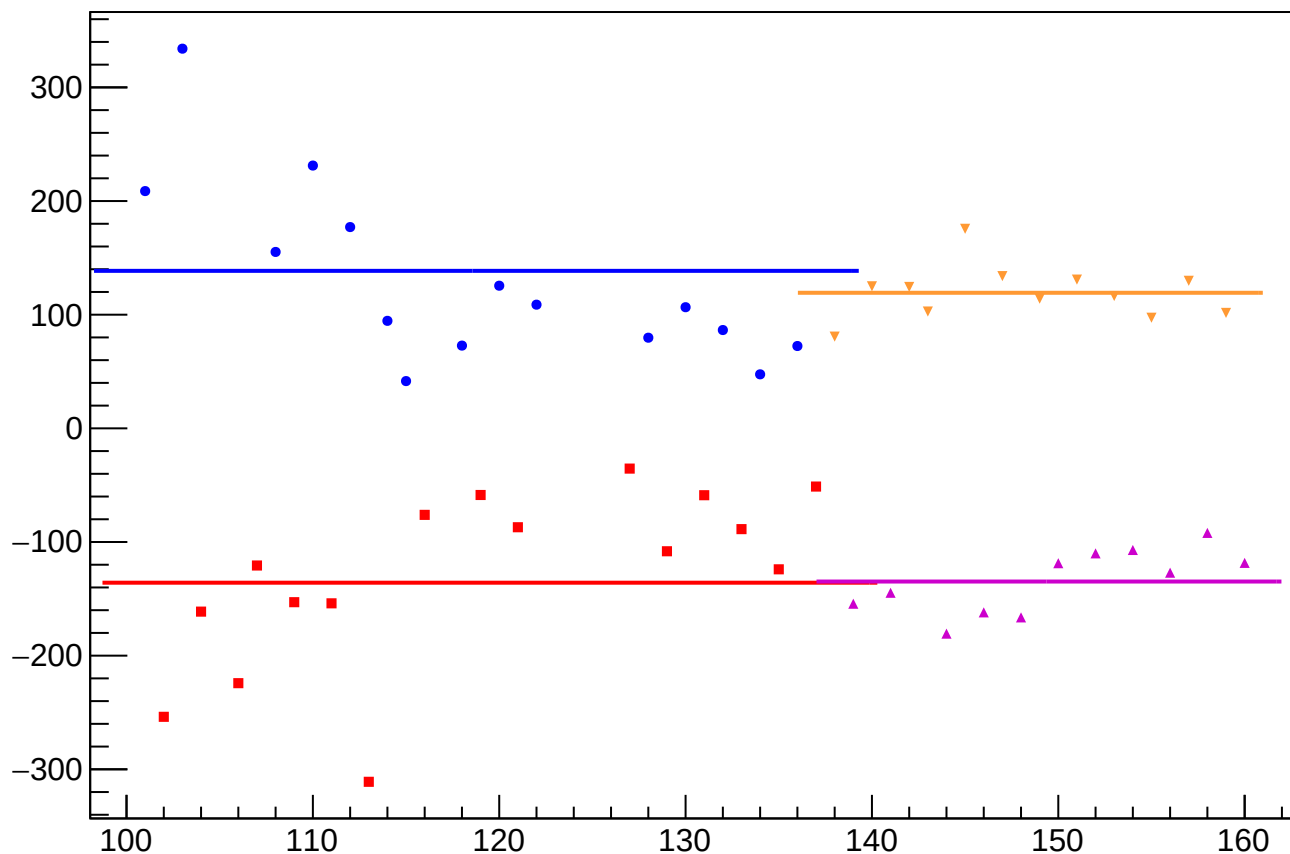
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam1_coil1_mean vs Slug, Sign Corrected



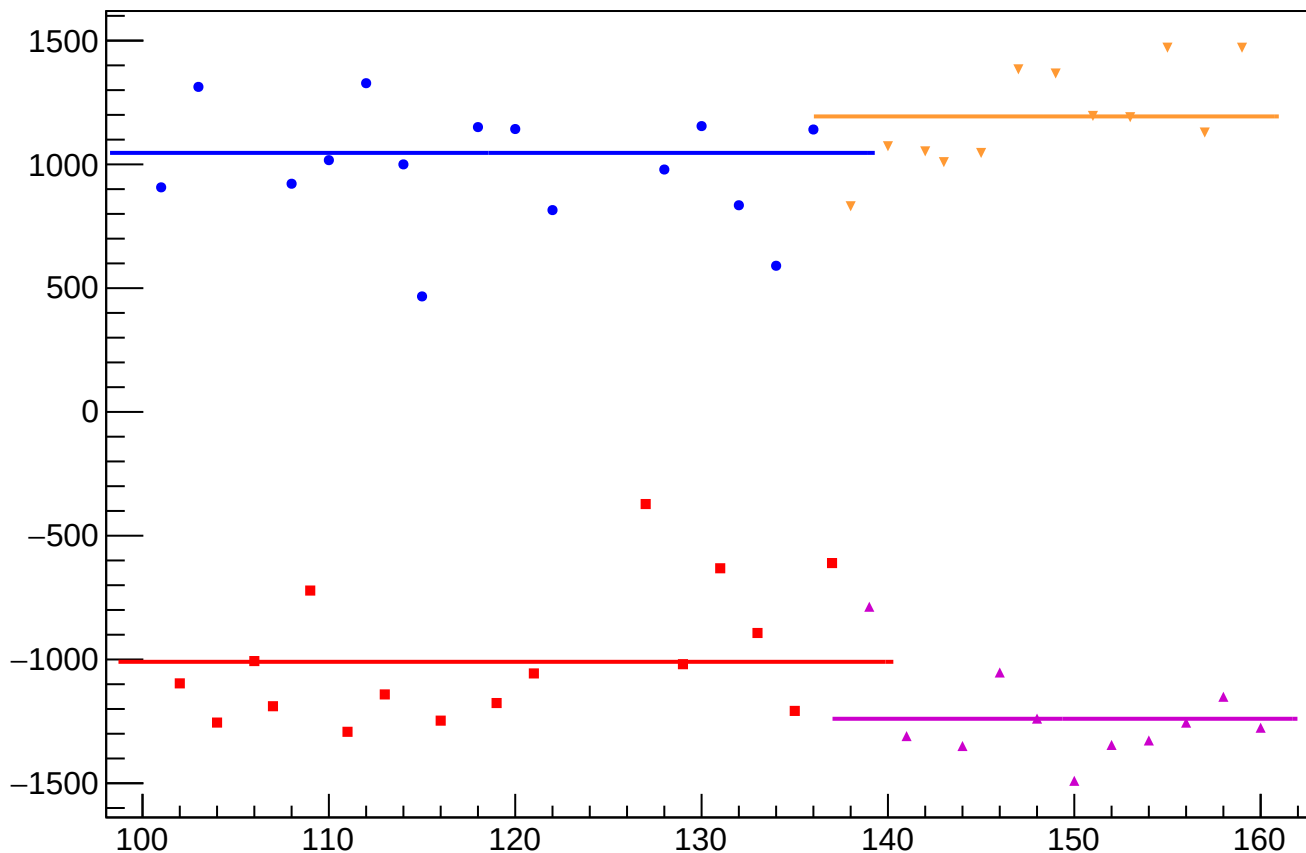
Right In: 2881.935 $\pm$ 0.000 χ^2 /NDF: 1320319391496525533692082365878834823168.0/14
 Left Out: 5919.511 $\pm$ 0.000 χ^2 /NDF: 2779072700024845827027981240176985767936.0/11
 Right Out: -2656.918 $\pm$ 0.000 χ^2 /NDF: 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681 $\pm$ 0.000 χ^2 /NDF: 940619832290547661204641528694924378112.0/10
 All: -166.093 $\pm$ 0.000 χ^2 /NDF: 87540894065

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



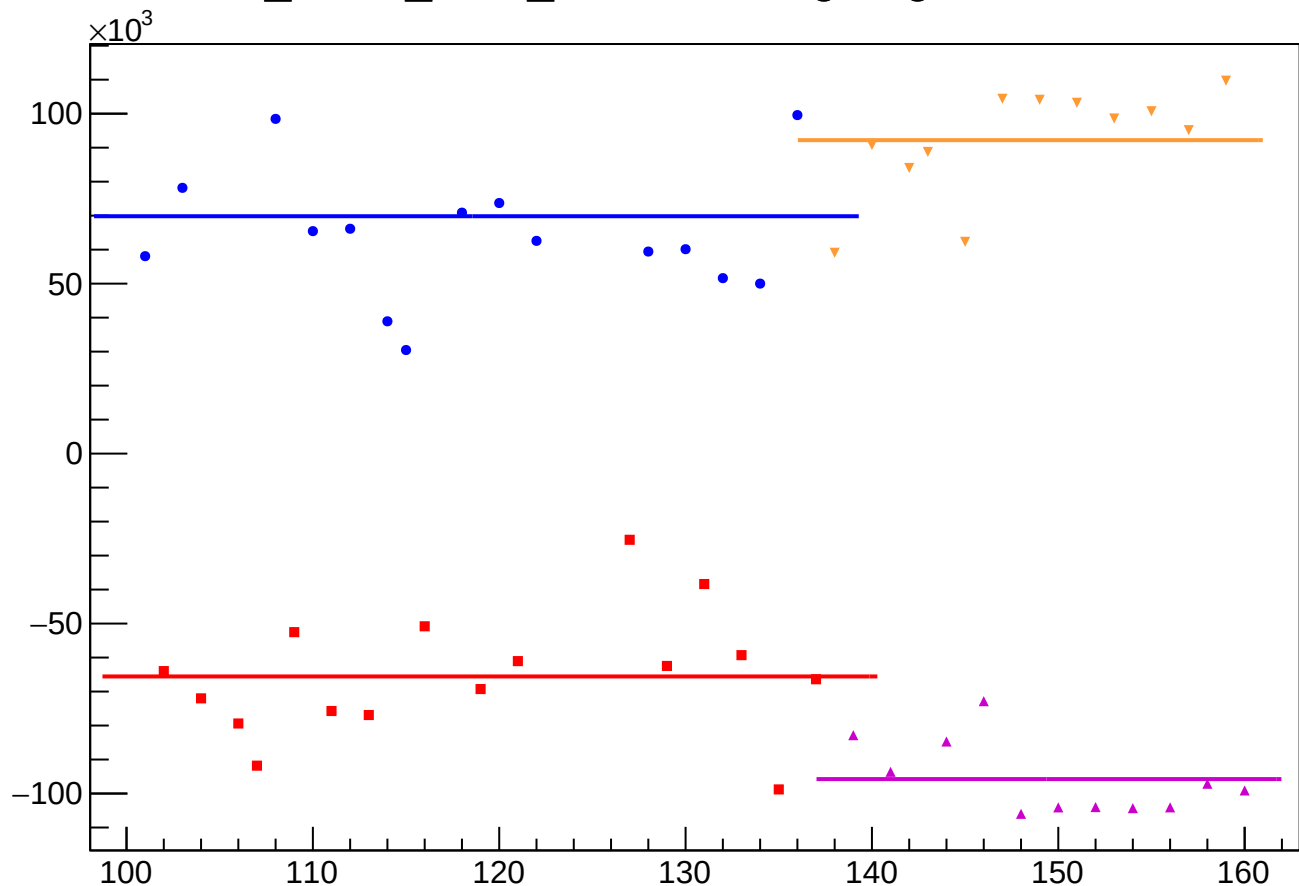
Left: -8.443 ± 0.000 χ^2/NDF : 30837594704815501
 Right In: 138.577 ± 0.000 χ^2/NDF : 4242369889979811373883774021335515136.0/14
 Right: -0.492 ± 0.000 χ^2/NDF : 3296375379571767
 Left Out: 119.282 ± 0.000 χ^2/NDF : 487845779395217879153815293985292288.0/11
 In: -21.999 ± 0.000 χ^2/NDF : 33420435655866245
 Right Out: -135.809 ± 0.000 χ^2/NDF : 3956401741862524263243160868173643776.0/15
 Out: 11.663 ± 0.000 χ^2/NDF : 29535896090786564
 Left In: -134.785 ± 0.000 χ^2/NDF : 689808602632315539029860685392642048.0/10
 All: -5.125 ± 0.000 χ^2/NDF : 6384982584601

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797+/-0.000

Left Out: 92210.698+/-0.000

Right Out: -65555.147+/-0.000

Left In: -95749.411+/-0.000

χ^2/NDF : 187803282116493131197684060541288926150656.0/14

χ^2/NDF : 226577476657807585202083767685360289579008.0/11

χ^2/NDF : 212001467811386750910625783195999741673472.0/15

χ^2/NDF : 102376761881530271427340284738693826084864.0/10

Left: -2280.673+/-0.000

Right: 1210.454+/-0.000

In: -27434.339+/-0.000

Out: 25651.673+/-0.000

All: -824.008+/-0.000

χ^2/NDF : 16562150487200

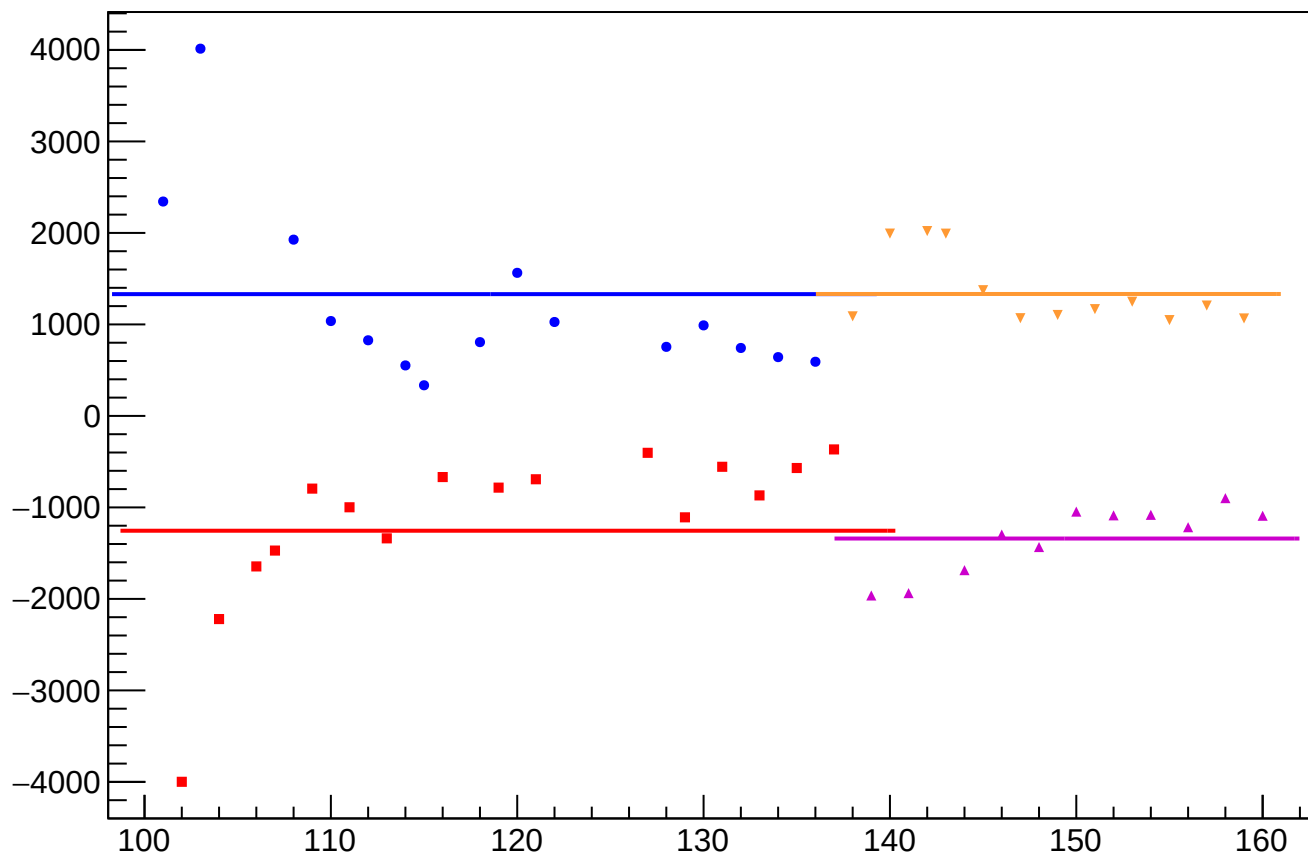
χ^2/NDF : 64287668357099

χ^2/NDF : 10741931116501

χ^2/NDF : 10036256154988

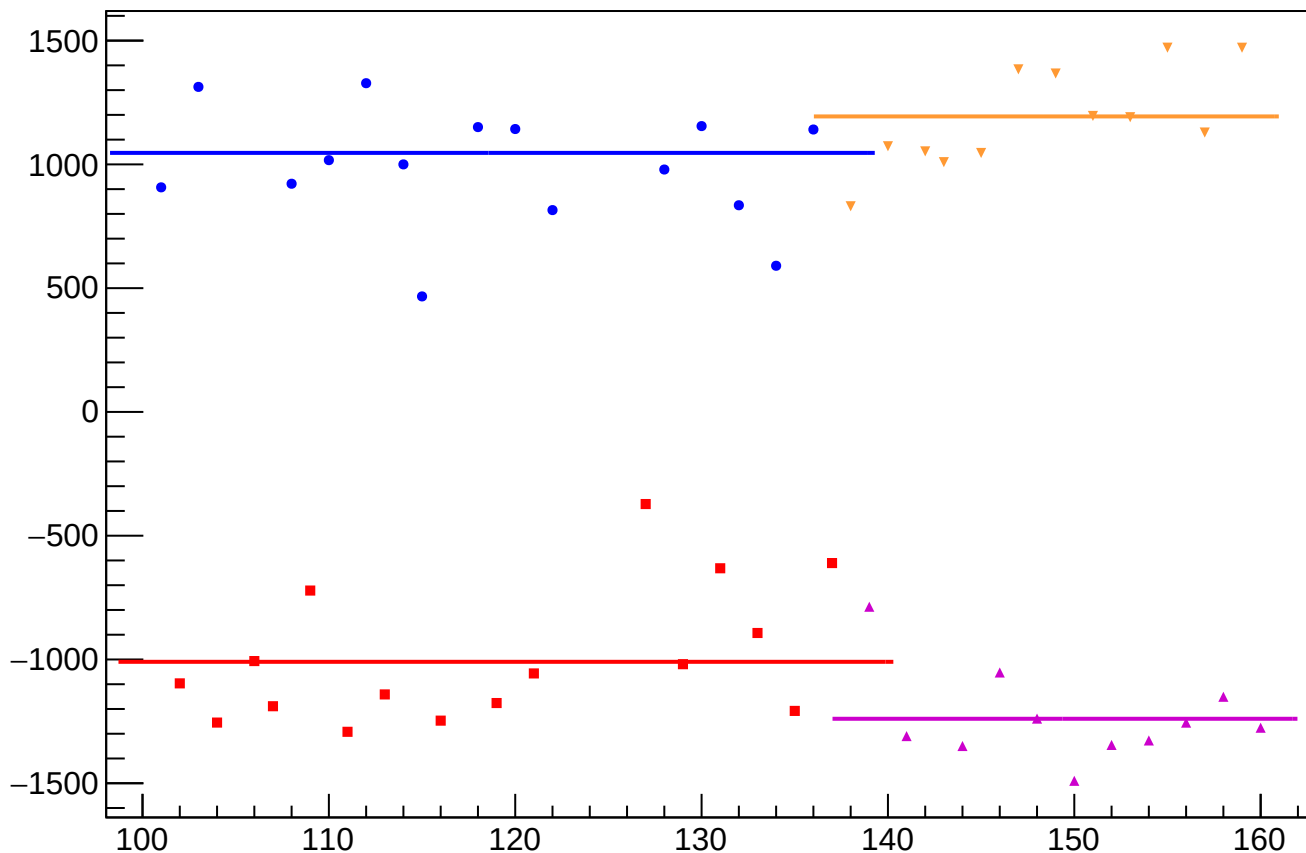
χ^2/NDF : 23000264296

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



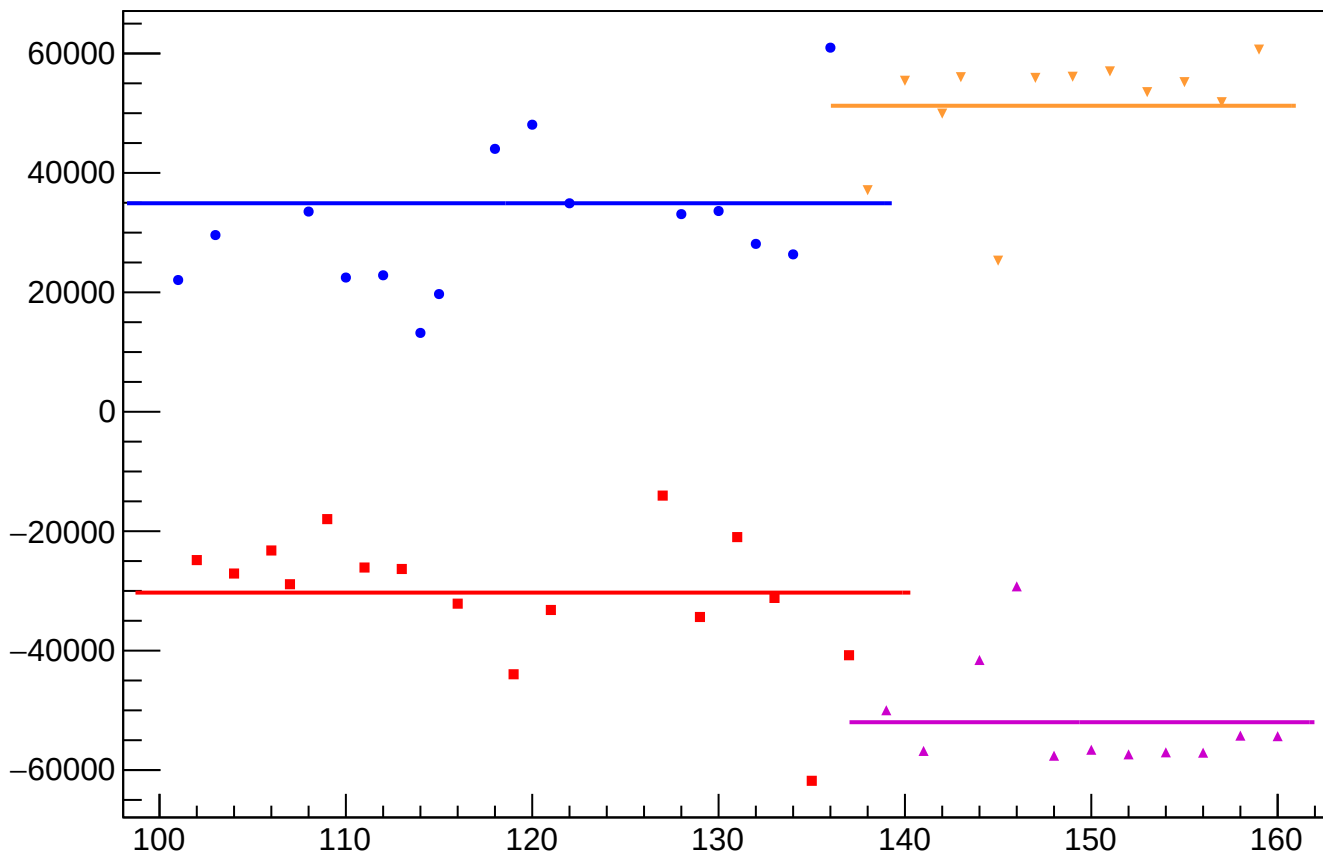
Right In: 1330.956+/-0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Left Out: 1332.669+/-0.000 χ^2/NDF : 117488793251165999850417206895273050112.0/11
 Right Out: -1254.871+/-0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Left In: -1340.185+/-0.000 χ^2/NDF : 11420491168201277023830767366477709312.0/10
 All: 2.067+/-0.000 χ^2/NDF : 69961590530550

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



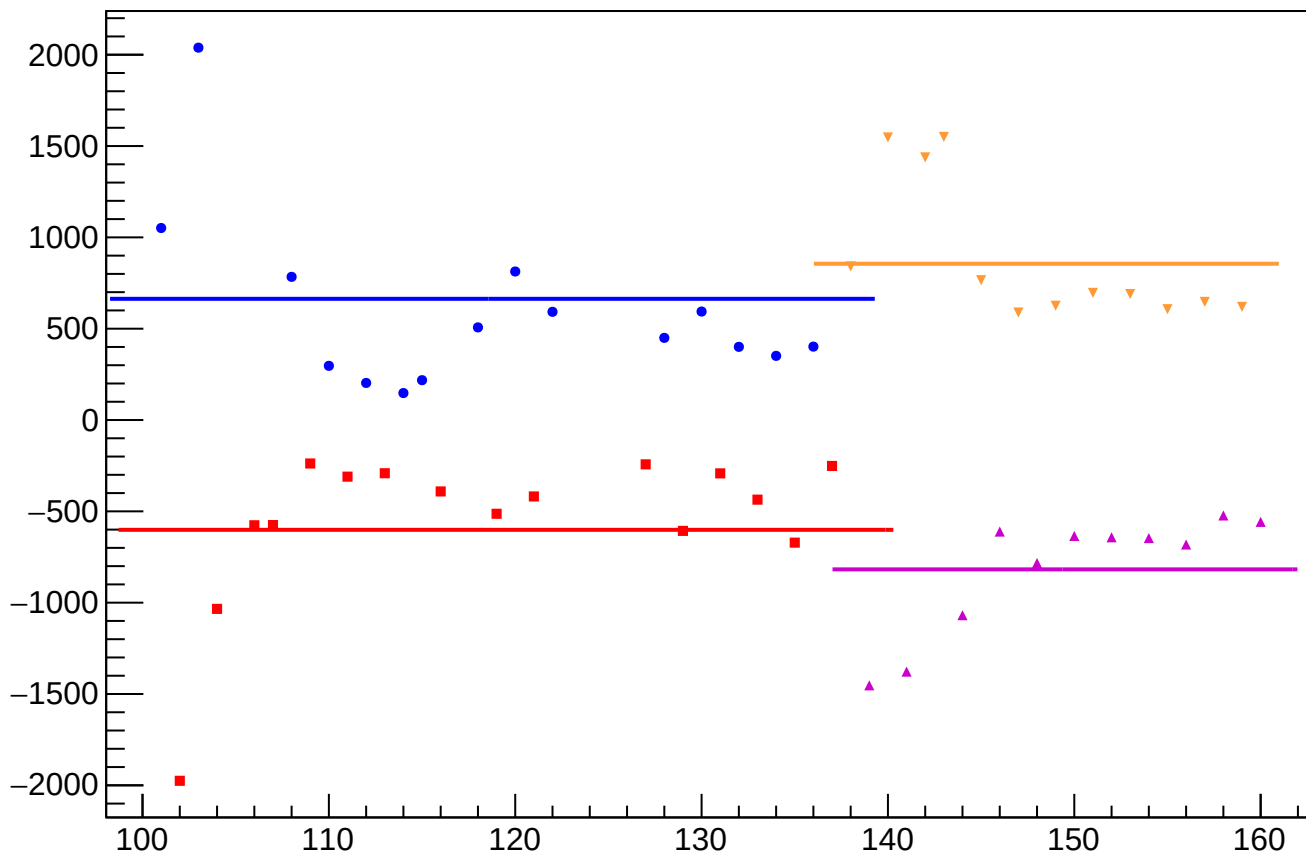
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam3_coil1_mean vs Slug, Sign Corrected



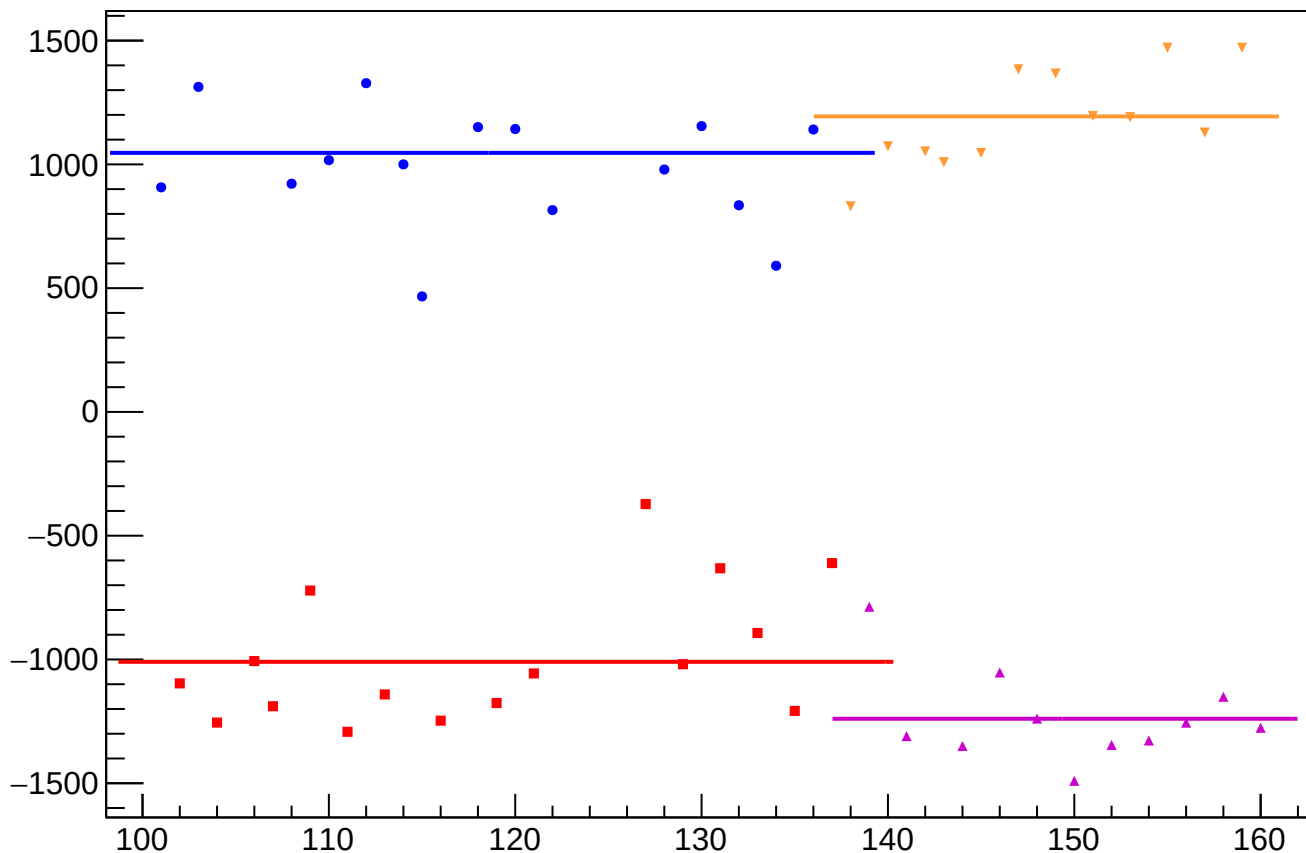
Right In: 34919.716+/-0.000 χ^2/NDF : 106387385440718622155122541848729997017088.0/14
 Left Out: 51246.568+/-0.000 χ^2/NDF : 86168540614102445062046954668602534395904.0/11
 Right Out: -30282.373+/-0.000 χ^2/NDF : 88346165266593126627598951693506073067520.0/15
 Left In: -51985.374+/-0.000 χ^2/NDF : 67172587579518863379504132116294676774912.0/10
 All: 402.483+/-0.000 χ^2/NDF : 664804674092

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



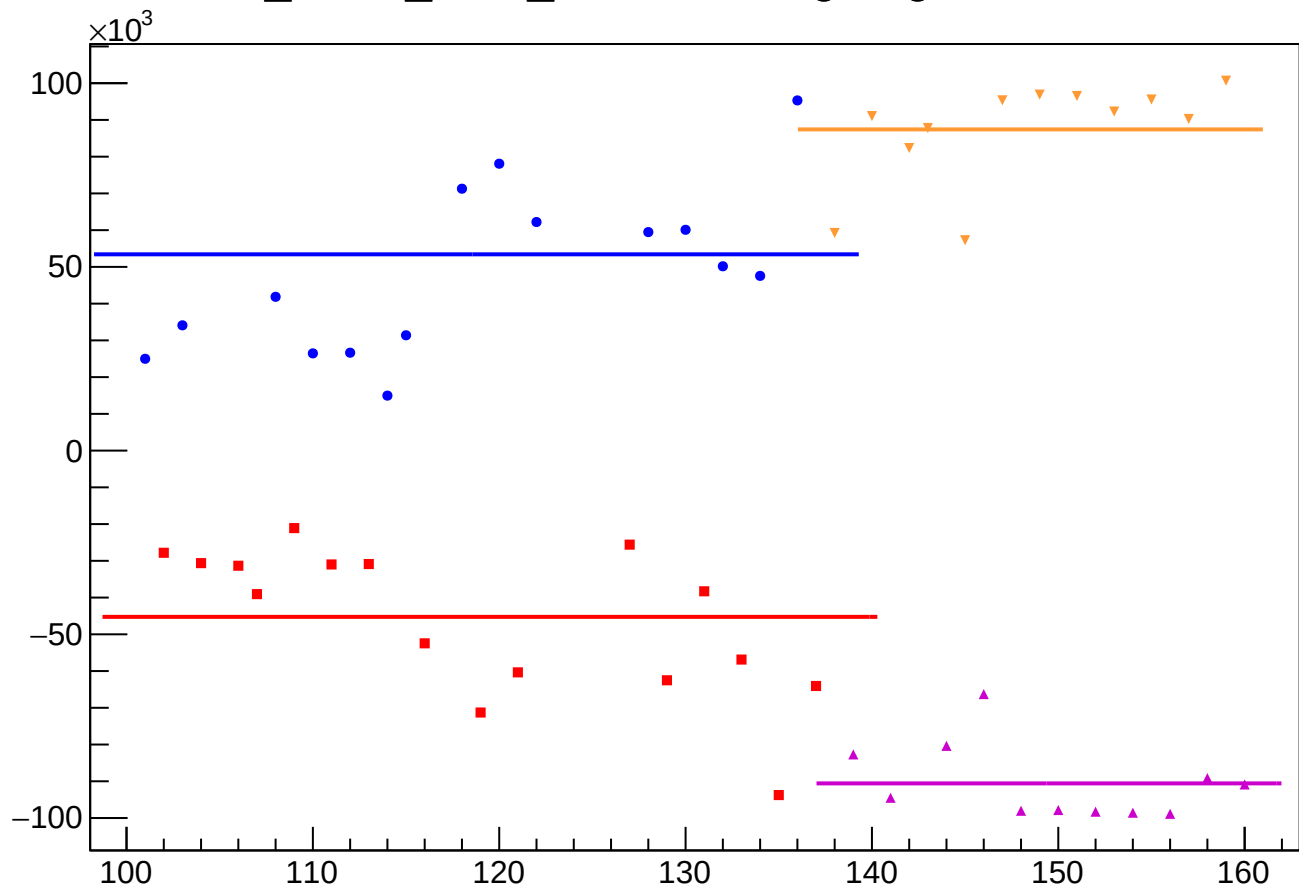
Left: 14.433 +/- 0.000 χ^2/NDF : 14918307802218483
 Right: 22.529 +/- 0.000 χ^2/NDF : 8336101395091641
 In: -206.520 +/- 0.000 χ^2/NDF : 1084558135298016
 Out: 241.007 +/- 0.000 χ^2/NDF : 1083013180112686
 All: 17.811 +/- 0.000 χ^2/NDF : 2325491183866

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



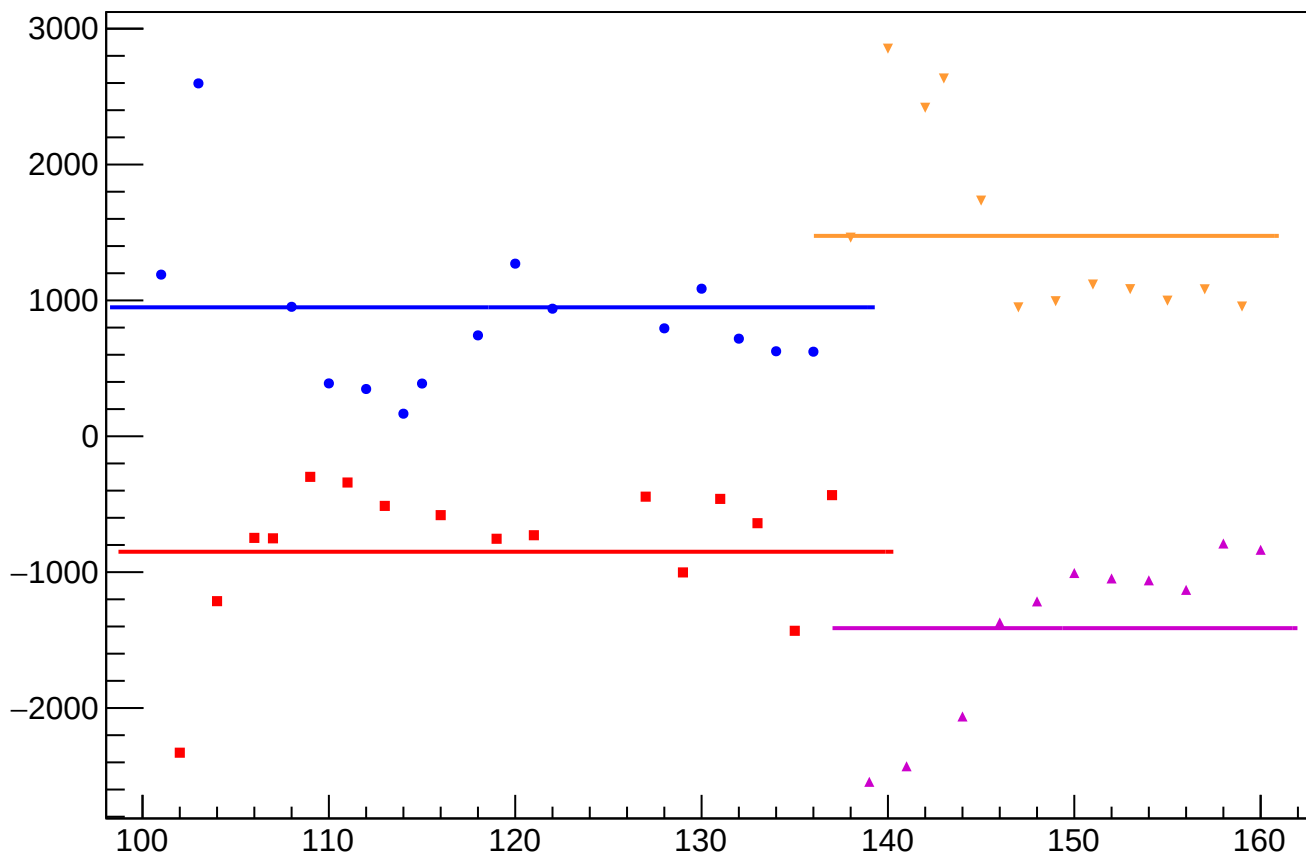
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 53422.452+/-0.000 χ^2/NDF : 360635757315133800133751123167777346551808.0/14
 Left Out: 87421.965+/-0.000 χ^2/NDF : 176009447933973172298765808269588074332160.0/11
 Right Out: -45247.617+/-0.000 χ^2/NDF : 286060196488034430215784613374055547928576.0/15
 Left In: -90573.760+/-0.000 χ^2/NDF : 90574081394354221593949262312406685581312.0/10
 All: 223.377+/-0.000 χ^2/NDF : 186963897473

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 949.197+/-0.000

χ^2/NDF : 225691032183153732733308094067658194944.0/14

Left Out: 1474.996+/-0.000

χ^2/NDF : 407776279141254062636078508853738602496.0/11

Right Out: -849.827+/-0.000

χ^2/NDF : 204622224261577247702227312745197338624.0/15

Left In: -1412.186+/-0.000

χ^2/NDF : 332529390934897118157875972661756035072.0/10

Left: 23.551+/-0.000 χ^2/NDF : 45705013574232361

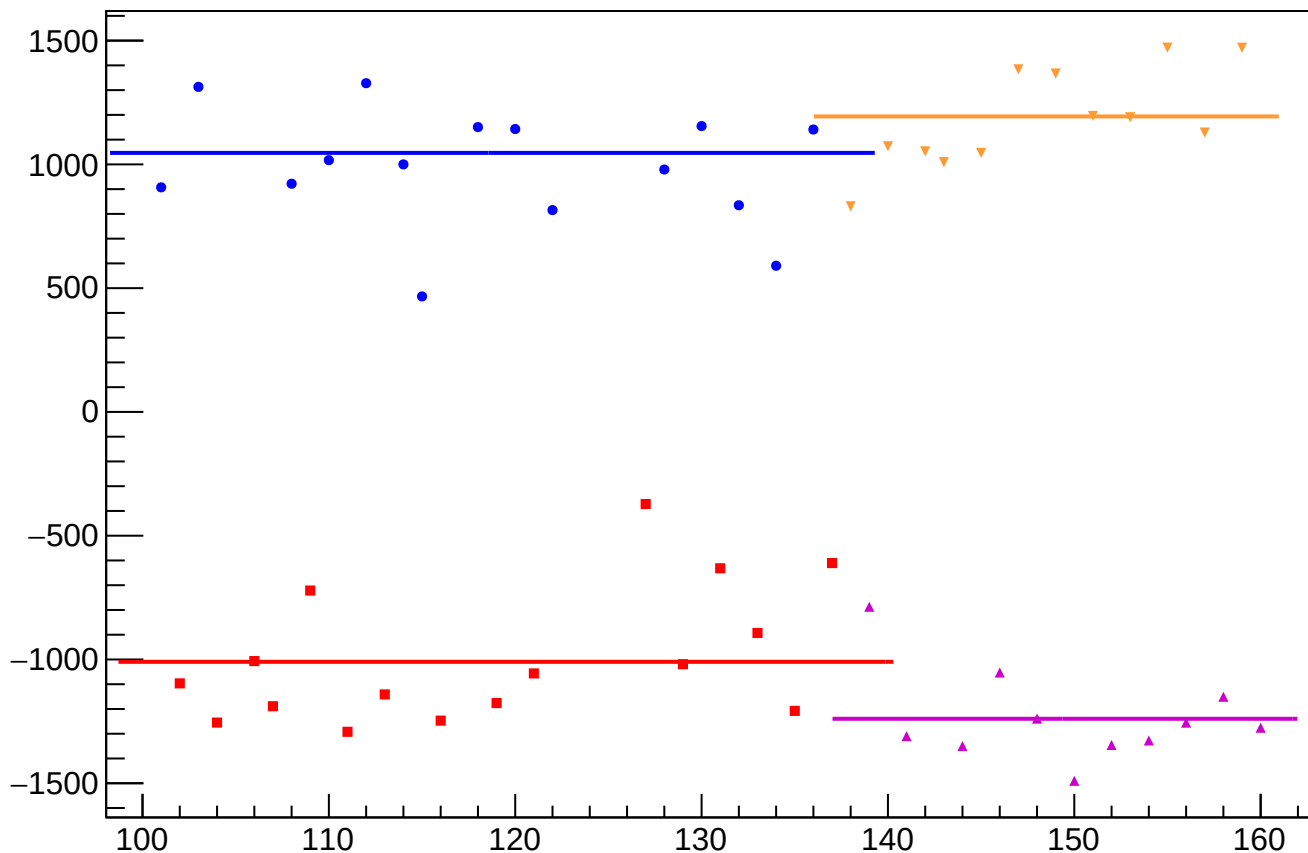
Right: 37.382+/-0.000 χ^2/NDF : 1494917928354426

In: -437.909+/-0.000 χ^2/NDF : 2684013086565036

Out: 494.188+/-0.000 χ^2/NDF : 2696503915470133

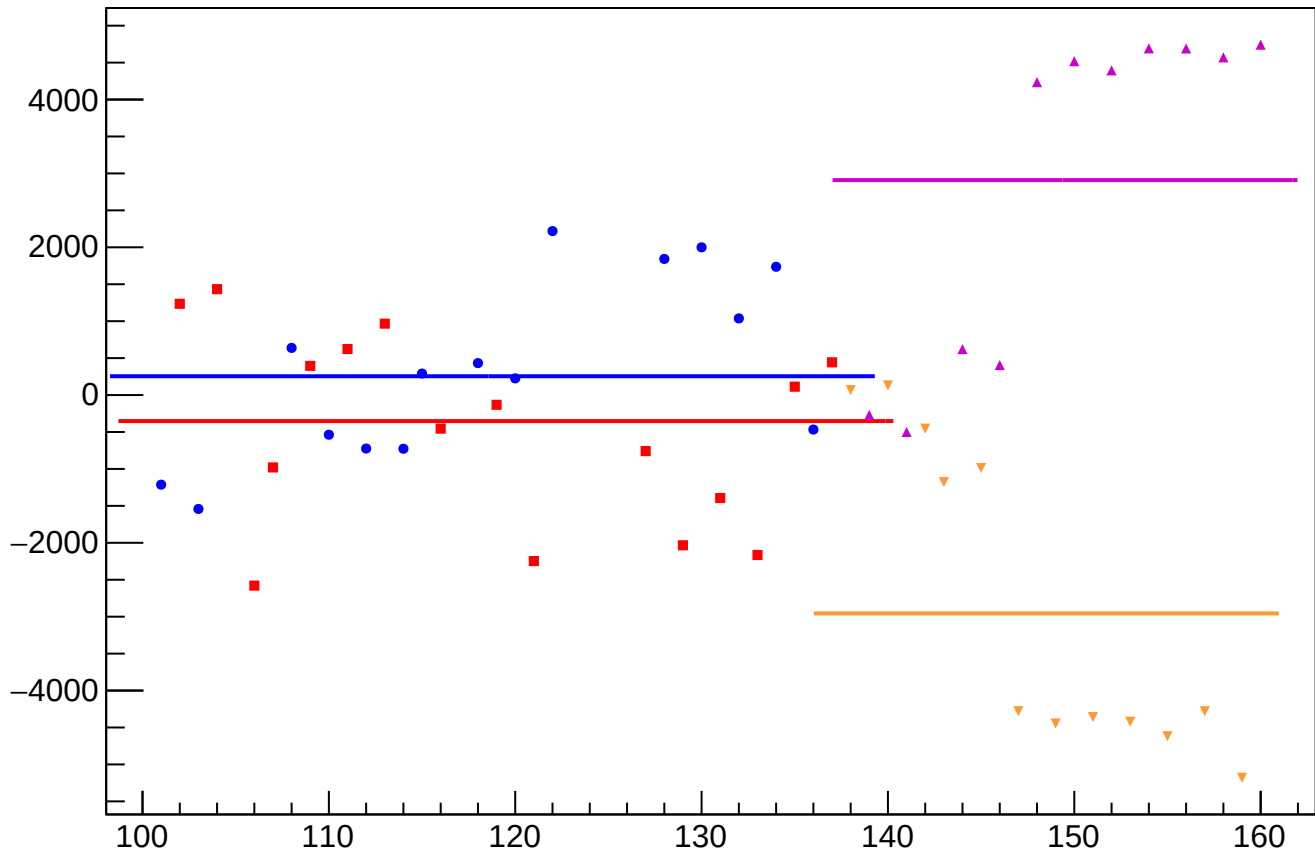
All: 29.322+/-0.000 χ^2/NDF : 6065565997163

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



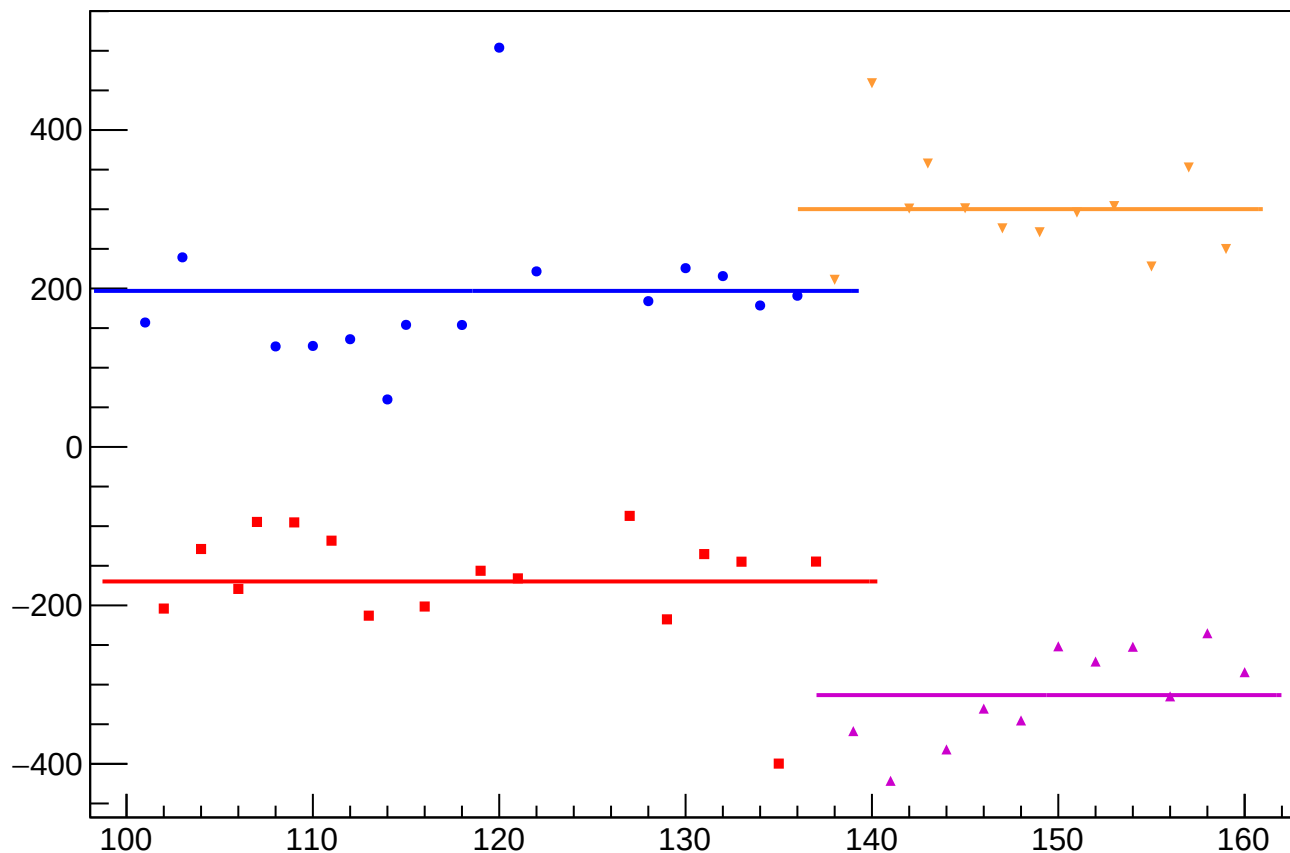
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam5_coil1_mean vs Slug, Sign Corrected



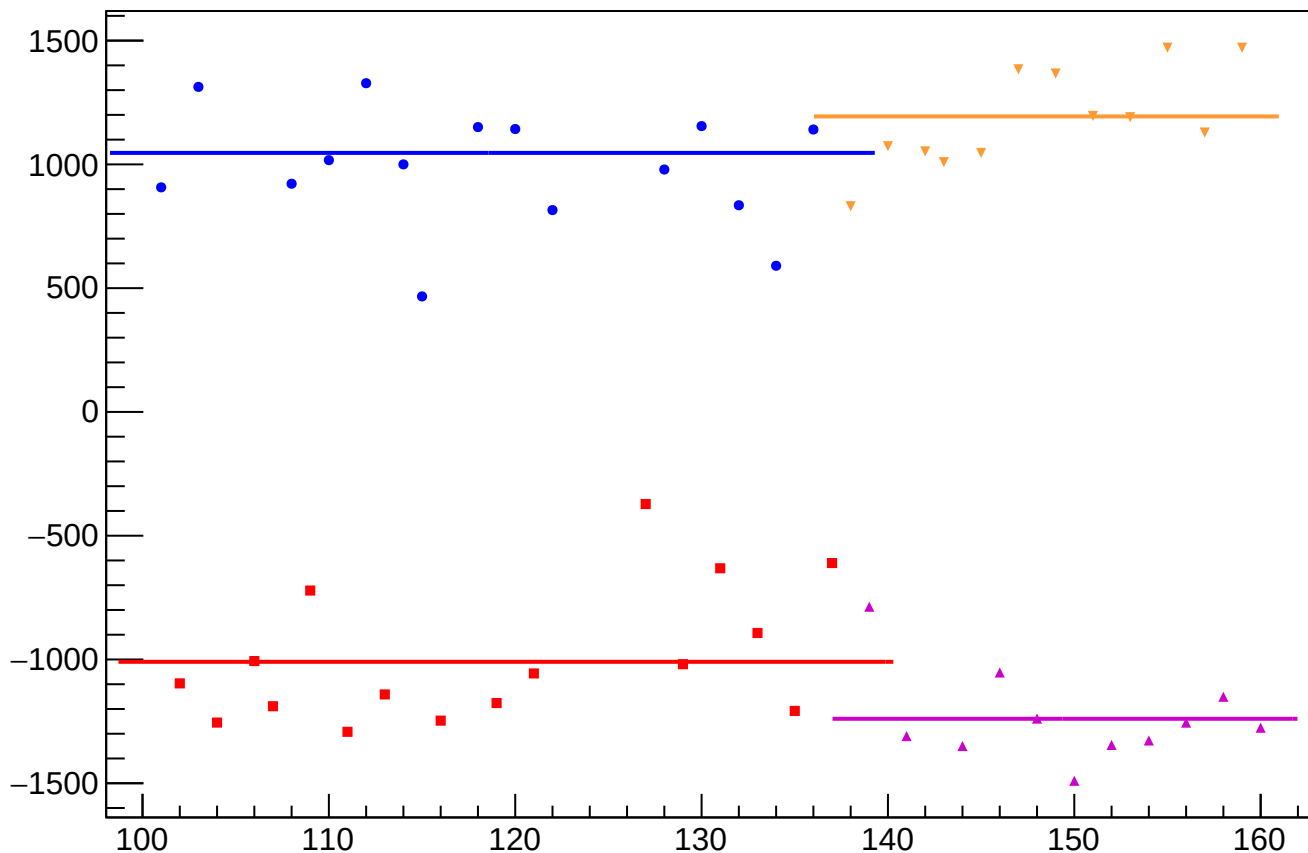
Left: -7.270 +/- 0.000 χ^2/NDF : 23893577266149002
 Right In: 254.578 +/- 0.000 χ^2/NDF : 978402113531006640741569223967249530880.0/14
 Right: -53.015 +/- 0.000 χ^2/NDF : 220036732540735
 Left Out: -2955.997 +/- 0.000 χ^2/NDF : 3707818280907677847342876591435129290752.0/11
 In: 1814.139 +/- 0.000 χ^2/NDF : 8042963130029704
 Right Out: -352.308 +/- 0.000 χ^2/NDF : 1100813647101508513447529068154010468352.0/15
 Out: -1857.540 +/- 0.000 χ^2/NDF : 74227087248686
 Left In: 2909.545 +/- 0.000 χ^2/NDF : 4377323512278558404902073126276443406336.0/10
 All: -26.357 +/- 0.000 χ^2/NDF : 260955494544

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



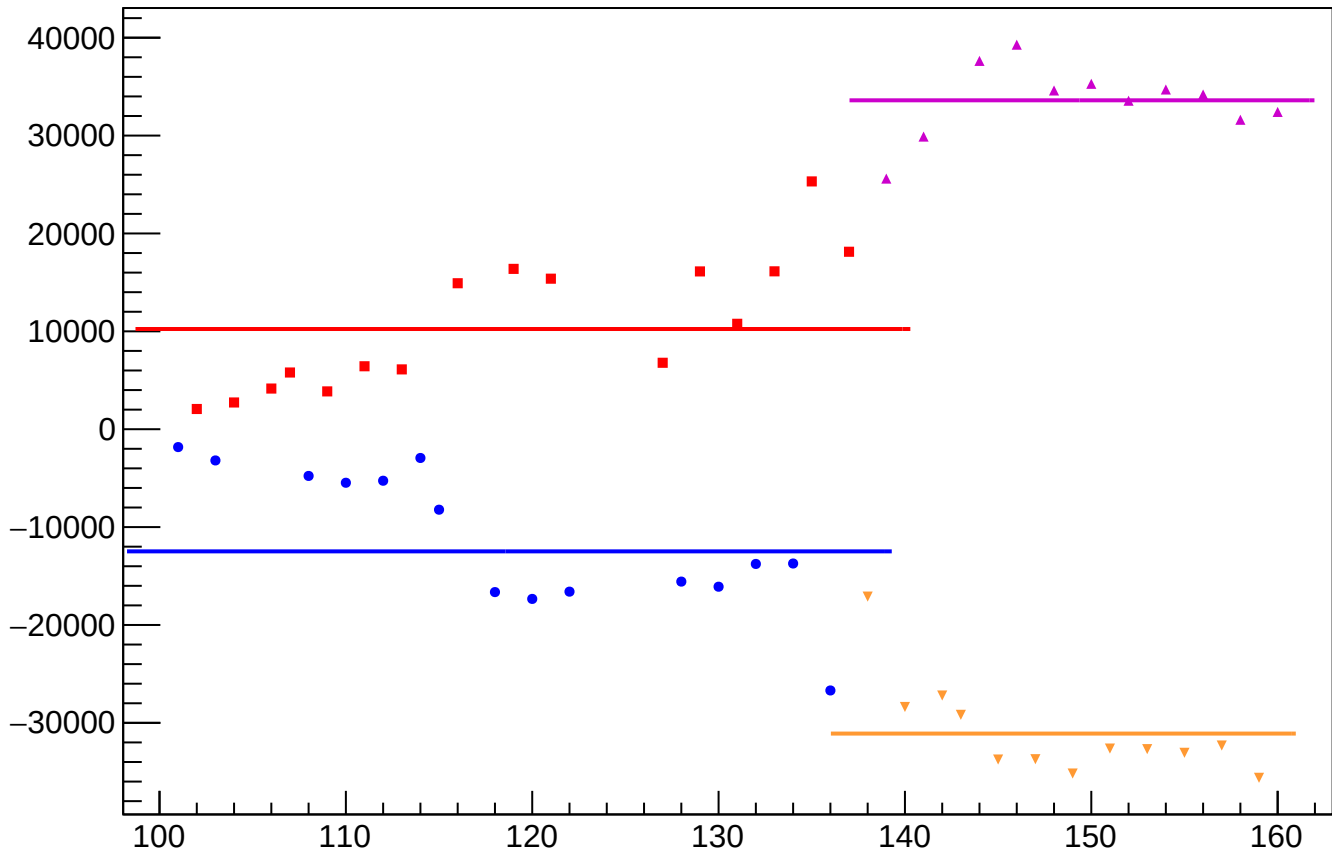
Right In: 196.955 ± 0.000 $\chi^2/\text{NDF}: 4485245160329657914621372425838788608.0/14$
 Left Out: 300.154 ± 0.000 $\chi^2/\text{NDF}: 3873021428685352941137053448690204672.0/11$
 Right Out: -169.778 ± 0.000 $\chi^2/\text{NDF}: 3892609445494845784493558646385410048.0/15$
 Left In: -313.228 ± 0.000 $\chi^2/\text{NDF}: 3079061701843560714774529768142405632.0/10$
 All: -0.159 ± 0.000 $\chi^2/\text{NDF}: 2327307530740$

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam6_coil1_mean vs Slug, Sign Corrected



Right In: -12479.653+/-0.000

Left Out: -31096.364+/-0.000

Right Out: 10238.098+/-0.000

Left In: 33603.125+/-0.000

χ^2/NDF : 41178633231253805317353333973475271901184.0/14

χ^2/NDF : 21759430970673179273891990313759368282112.0/11

χ^2/NDF : 31227861126159534031961501923223718068224.0/15

χ^2/NDF : 11377877741280377988076632069746943066112.0/10

Left: 1429.385+/-0.000 χ^2/NDF : 19565583595098

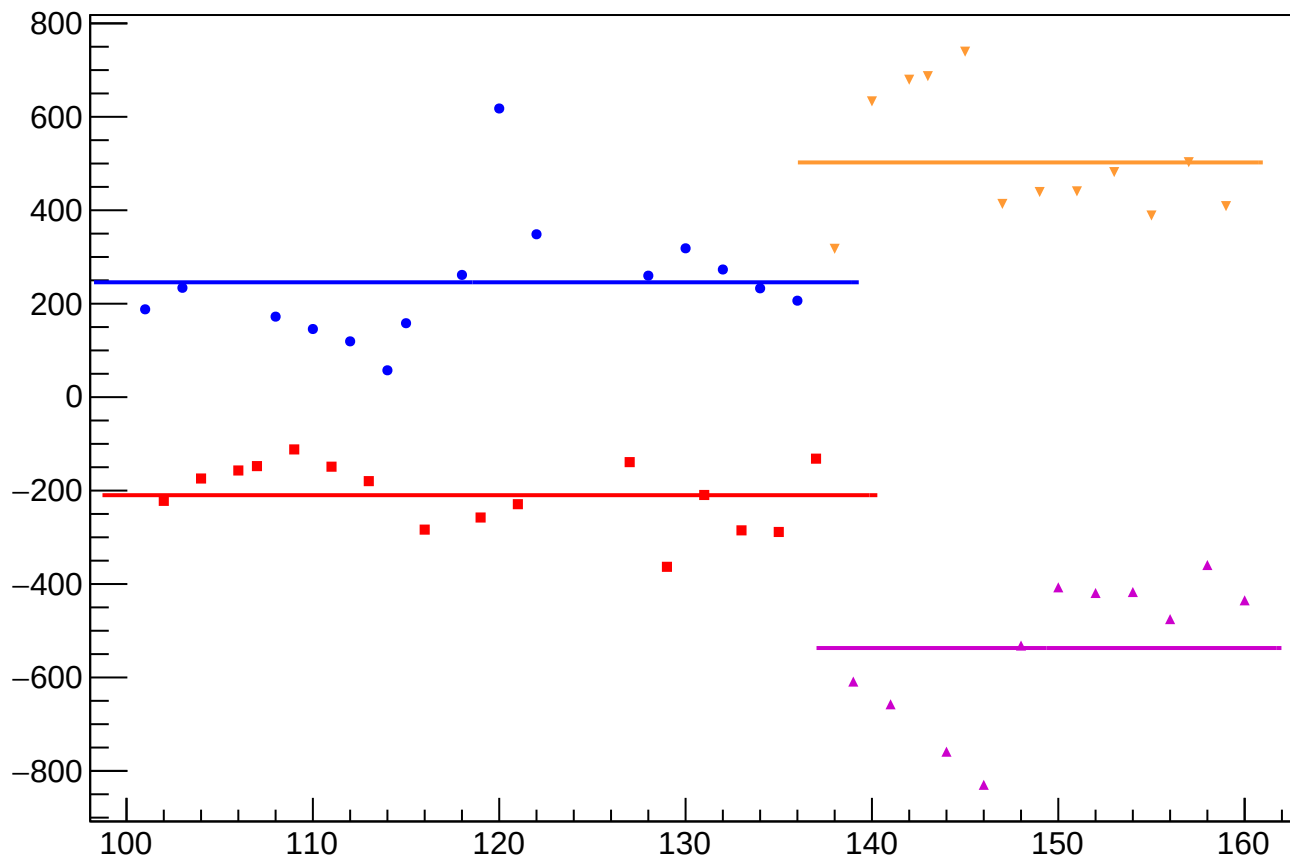
Right: -965.413+/-0.000 χ^2/NDF : 24217037814564

In: 14589.951+/-0.000 χ^2/NDF : 862146721459062

Out: -13657.980+/-0.000 χ^2/NDF : 7118042053110

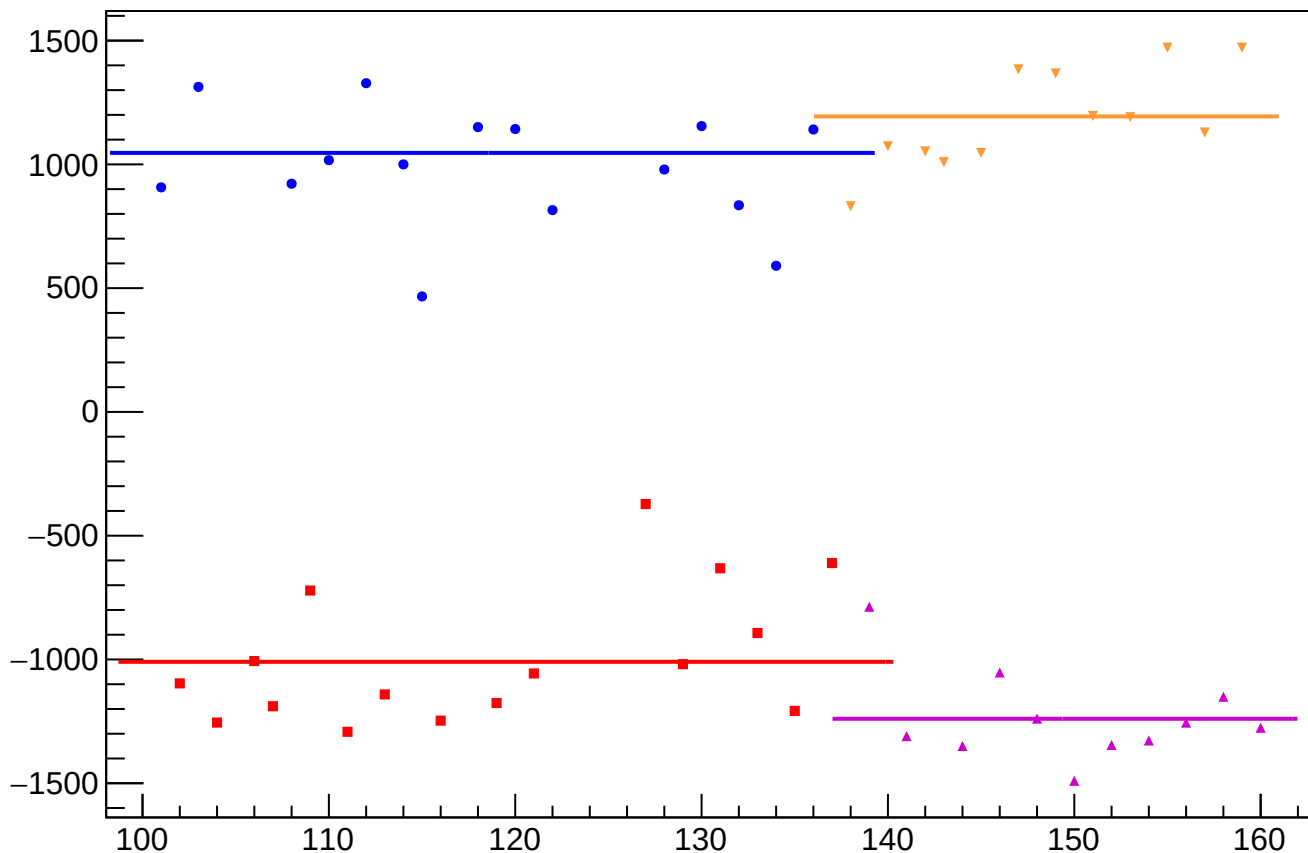
All: 430.161+/-0.000 χ^2/NDF : 220312696497

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



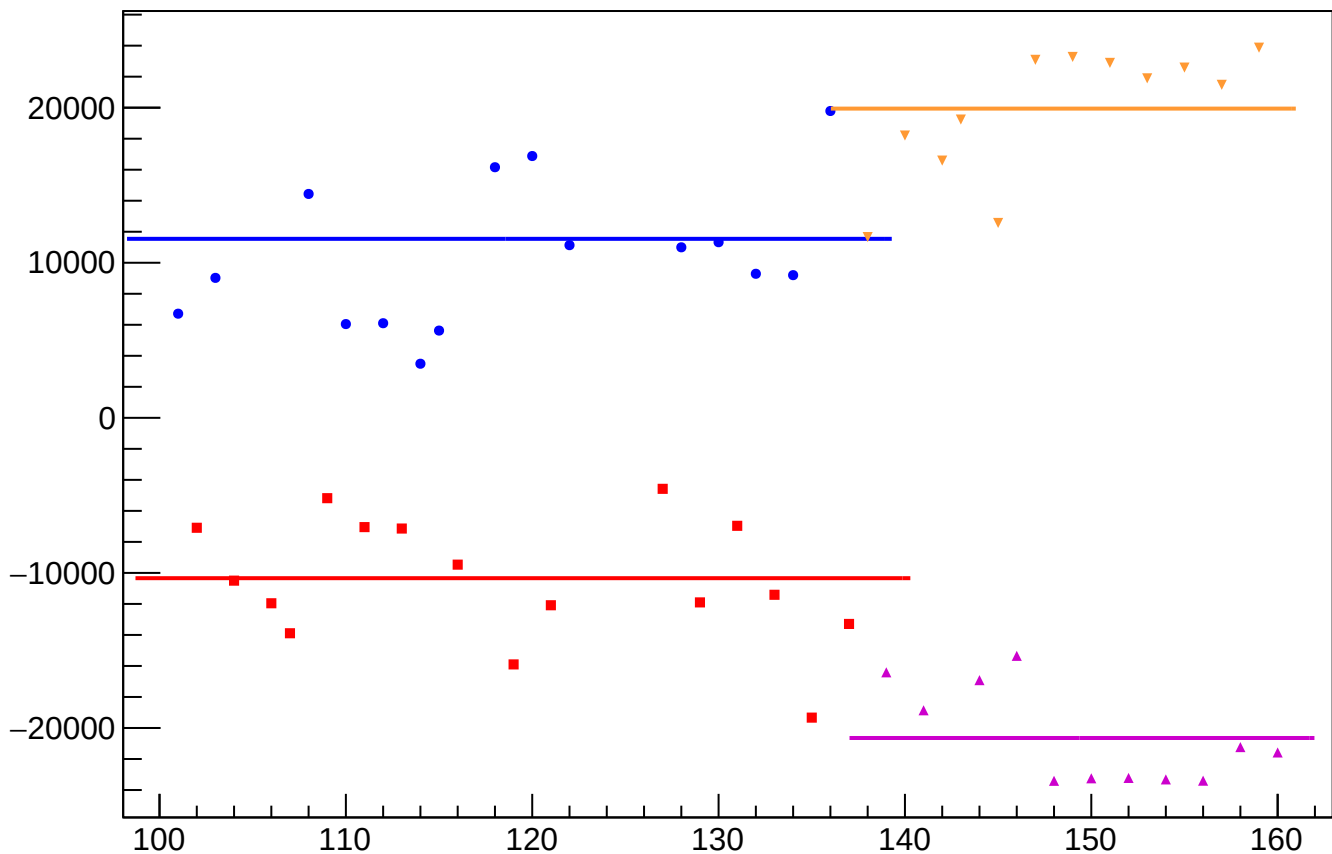
Right In: 245.832+/-0.000 χ^2/NDF : 7828269009300013139414476154059358208.0/14
 Left Out: 502.365+/-0.000 χ^2/NDF : 15191566092864942113763626663922368512.0/11
 Right Out: -209.844+/-0.000 χ^2/NDF : 3128489258838765241921217786024034304.0/15
 Left In: -536.975+/-0.000 χ^2/NDF : 20803022486400810956958367719555596288.0/10
 All: -5.524+/-0.000 χ^2/NDF : 6125424587177

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11542.759+/-0.000

χ^2/NDF : 14233543123238566357226766219014687424512.0/14

Left Out: 19940.398+/-0.000

χ^2/NDF : 15069486743345866506868658008400293003264.0/11

Right Out: -10339.969+/-0.000

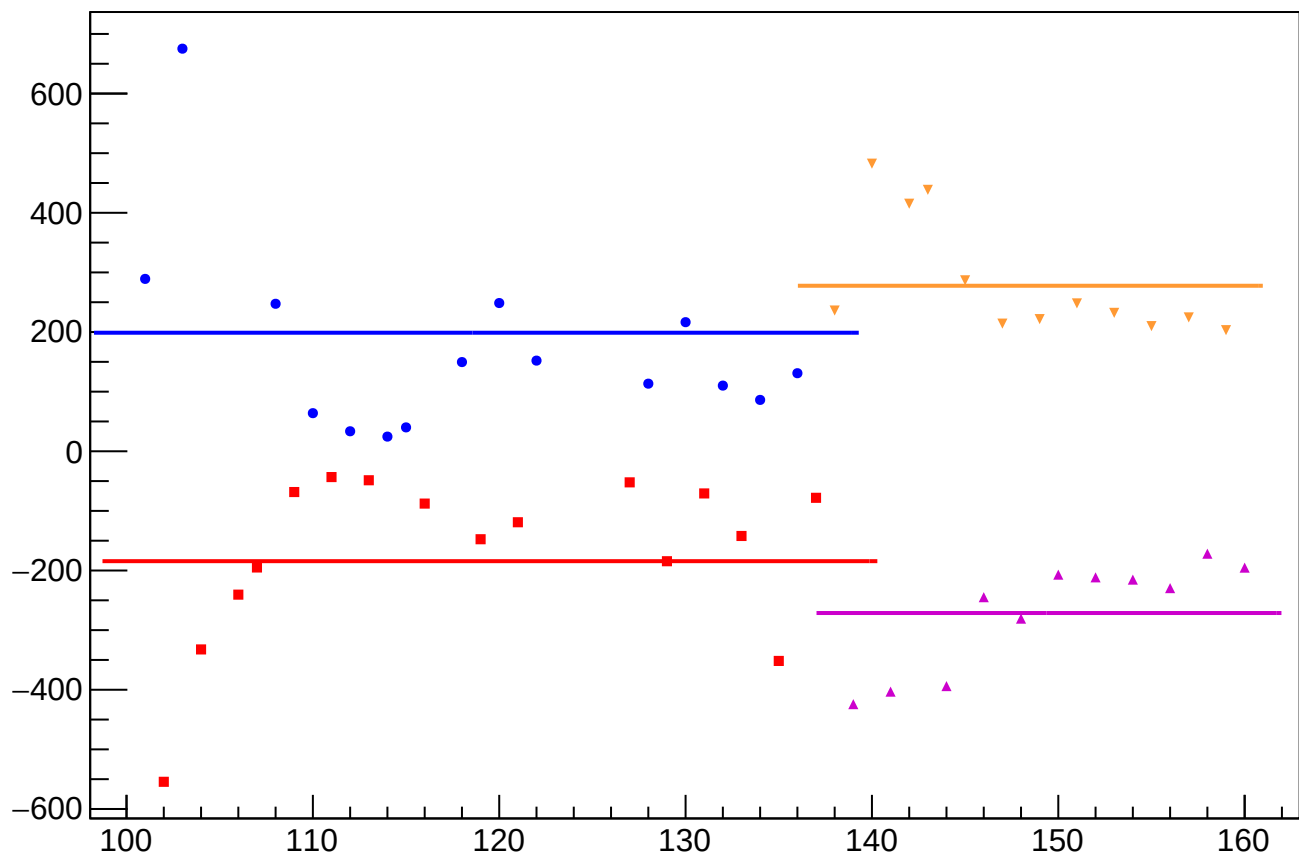
χ^2/NDF : 11260833863406751645923420062982418202624.0/15

Left In: -20645.358+/-0.000

χ^2/NDF : 8456327376882782804888899010558833983488.0/10

All: -81.261+/-0.000 χ^2/NDF : 964042806490

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



Right In: 198.850 +/- 0.000

χ^2/NDF : 18333995109503438037075916944440295424.0/14

Left Out: 277.638 +/- 0.000

χ^2/NDF : 8038613705890486227984688847014330368.0/11

Right Out: -184.328 +/- 0.000

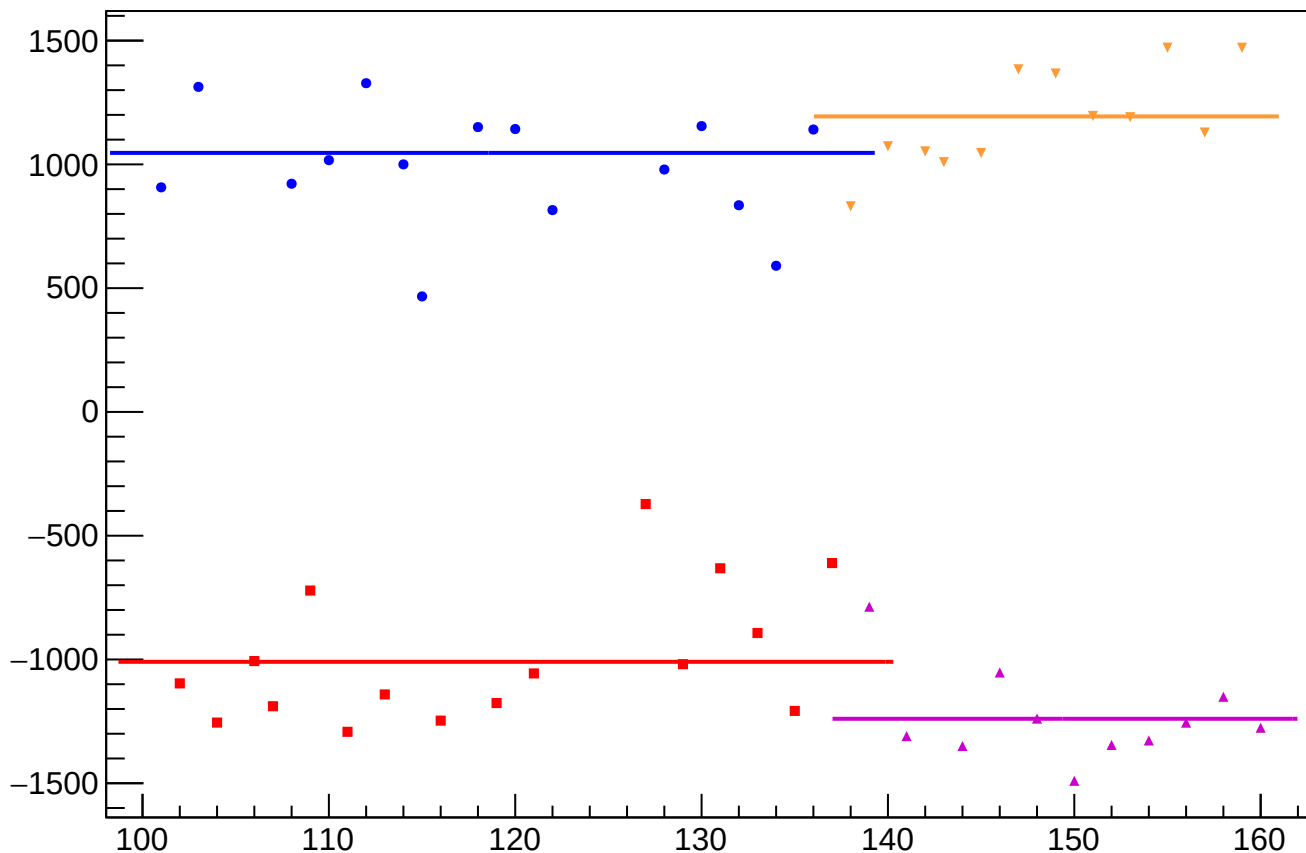
χ^2/NDF : 14927434931395588601024961538372403200.0/15

Left In: -271.291 +/- 0.000

χ^2/NDF : 7112445981030520145066814103974051840.0/10

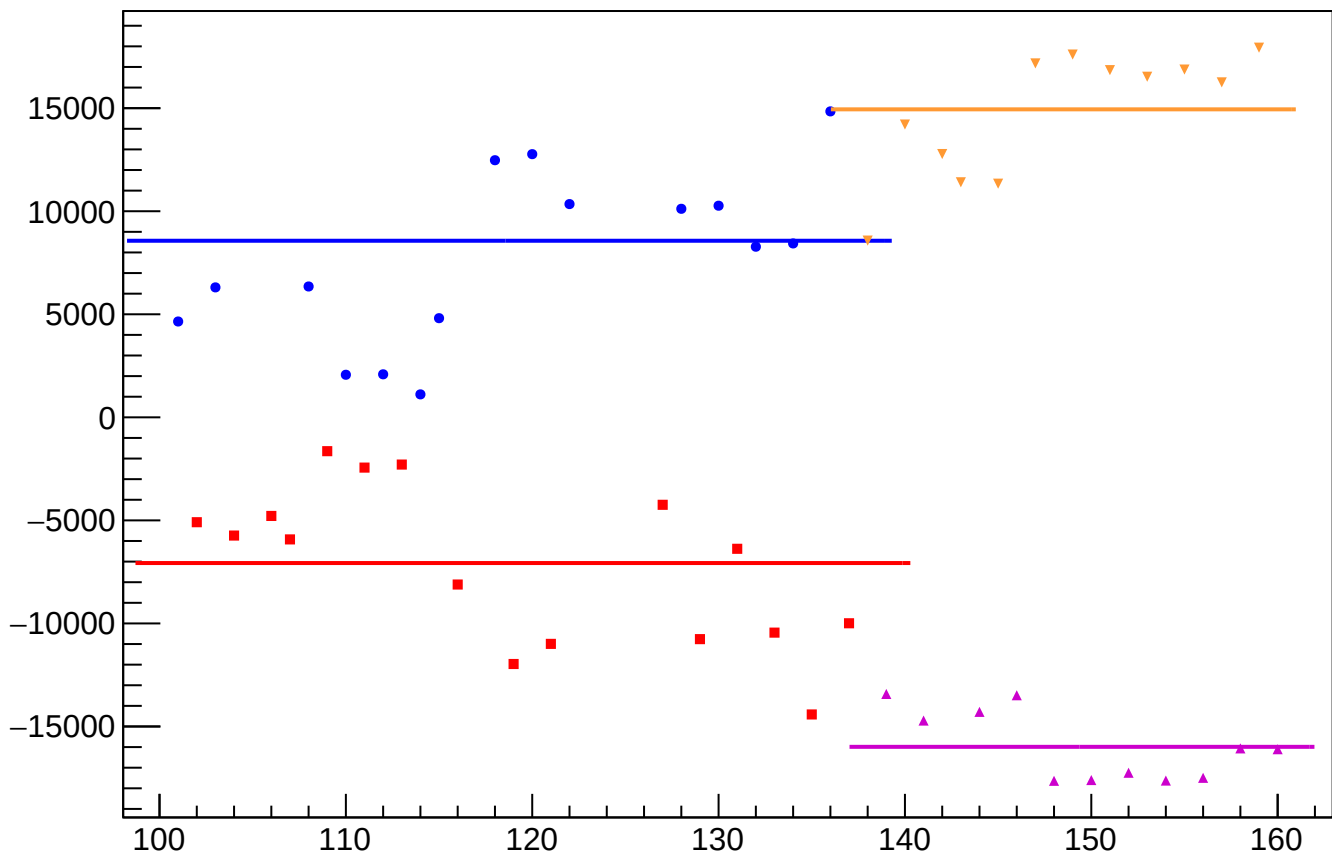
All: 2.915 +/- 0.000 χ^2/NDF : 23516964927960

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam8_coil1_mean vs Slug, Sign Corrected



Right In: 8567.784 +/- 0.000

χ^2/NDF : 11106048878972501366429055679645708451840.0/14

Left Out: 14943.560 +/- 0.000

χ^2/NDF : 7900539606524387386359998406585036570624.0/11

Right Out: -7069.884 +/- 0.000

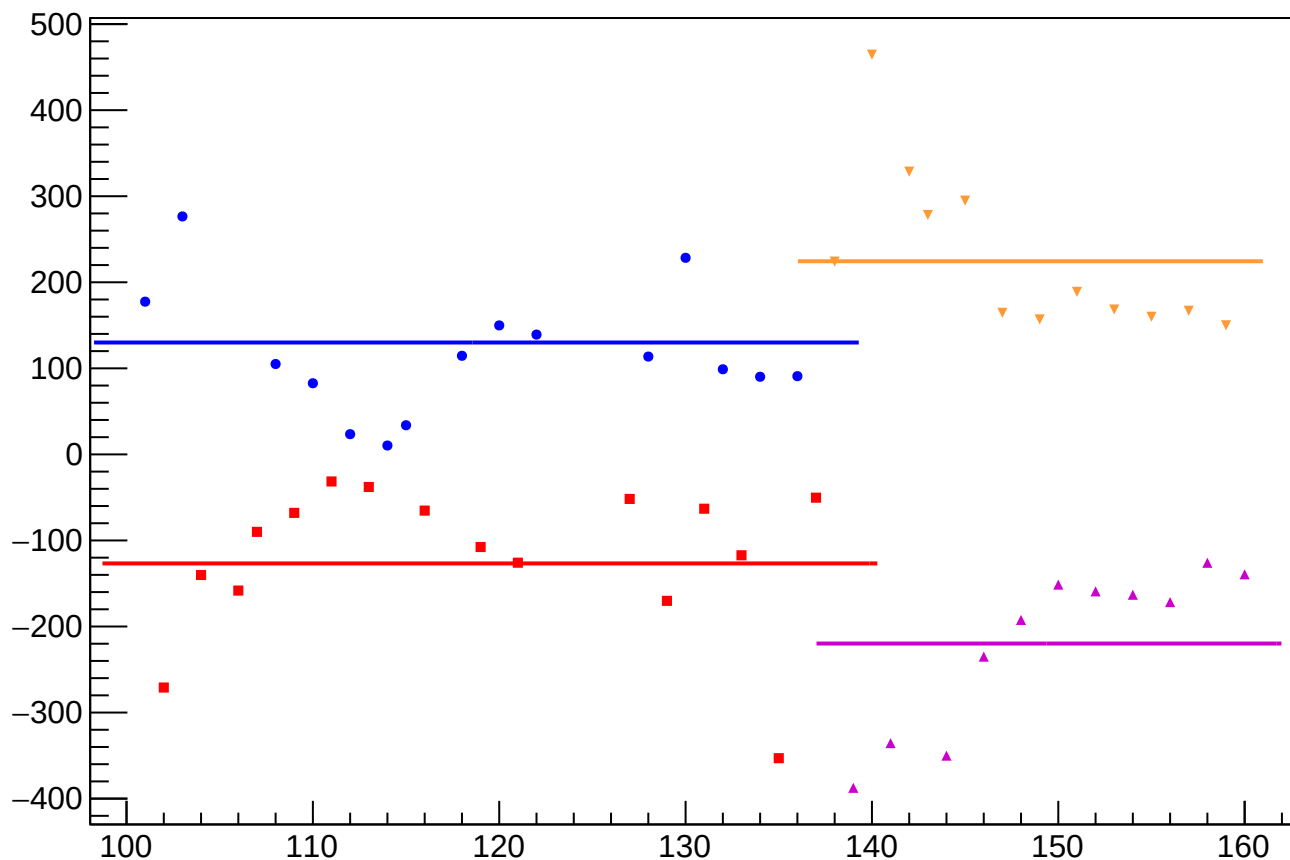
χ^2/NDF : 10076862363502652111378210539664387866624.0/15

Left In: -15987.436 +/- 0.000

χ^2/NDF : 2470393428254815728629083332629999124480.0/10

All: -85.320 +/- 0.000 χ^2/NDF : 552788797574

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021 $\pm$ 0.000

χ^2/NDF : 3115259987552341725946418665378283520.0/14

Left Out: 224.458 $\pm$ 0.000

χ^2/NDF : 7870394140048491055430374232164401152.0/11

Right Out: -126.709 $\pm$ 0.000

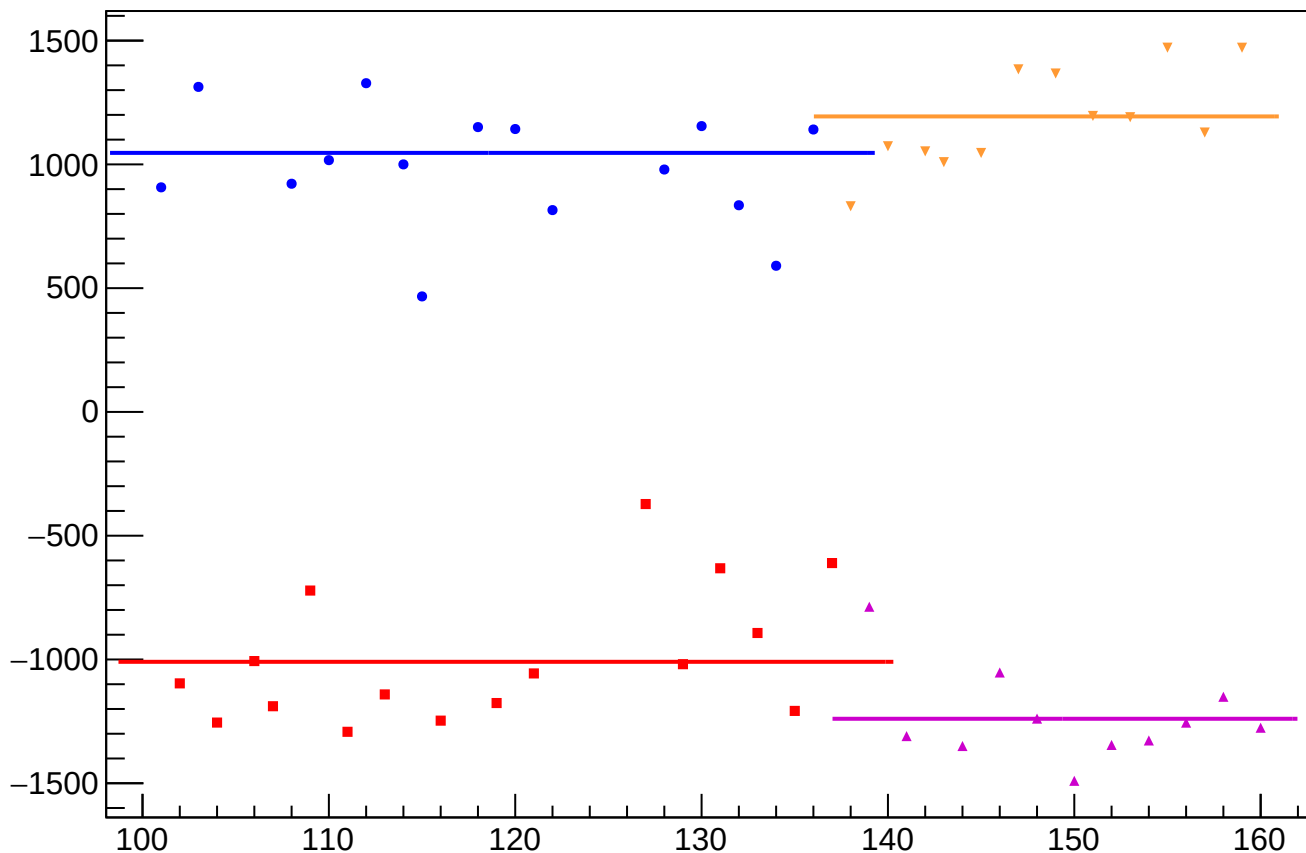
χ^2/NDF : 5397122581297664561308621600668516352.0/15

Left In: -219.787 $\pm$ 0.000

χ^2/NDF : 7418609629454172879787970620999860224.0/10

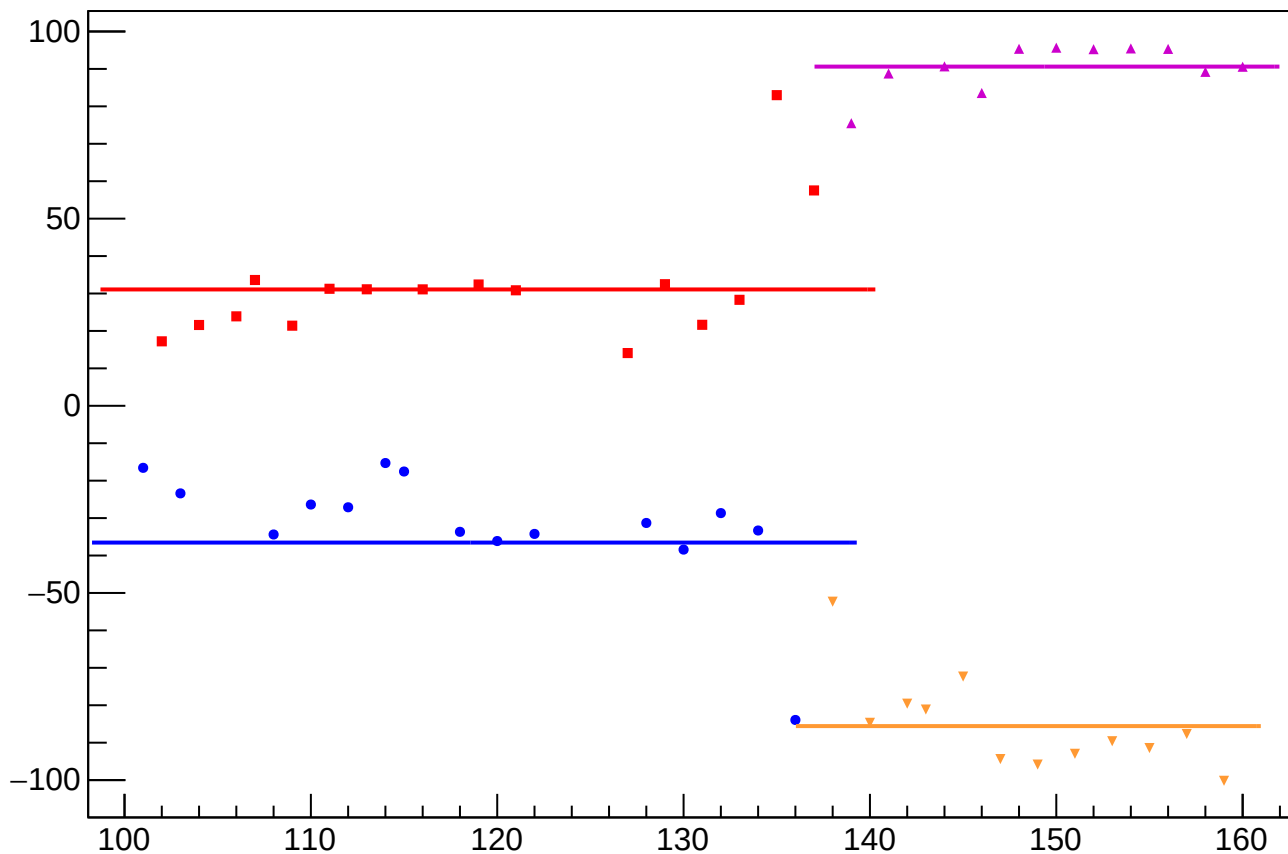
All: 0.615 $\pm$ 0.000 χ^2/NDF : 1361639505758

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540 ± 0.000

Left Out: -85.570 ± 0.000

Right Out: 31.085 ± 0.000

Left In: 90.618 ± 0.000

$\chi^2/\text{NDF}: 254351867861444609202637633864335360.0/14$

$\chi^2/\text{NDF}: 143557776257547990865591640732467200.0/11$

$\chi^2/\text{NDF}: 181291079119381636178408498876383232.0/15$

$\chi^2/\text{NDF}: 33089833083626408117297955498622976.0/10$

Left: 3.003 ± 0.000 $\chi^2/\text{NDF}: 144401853367529279$

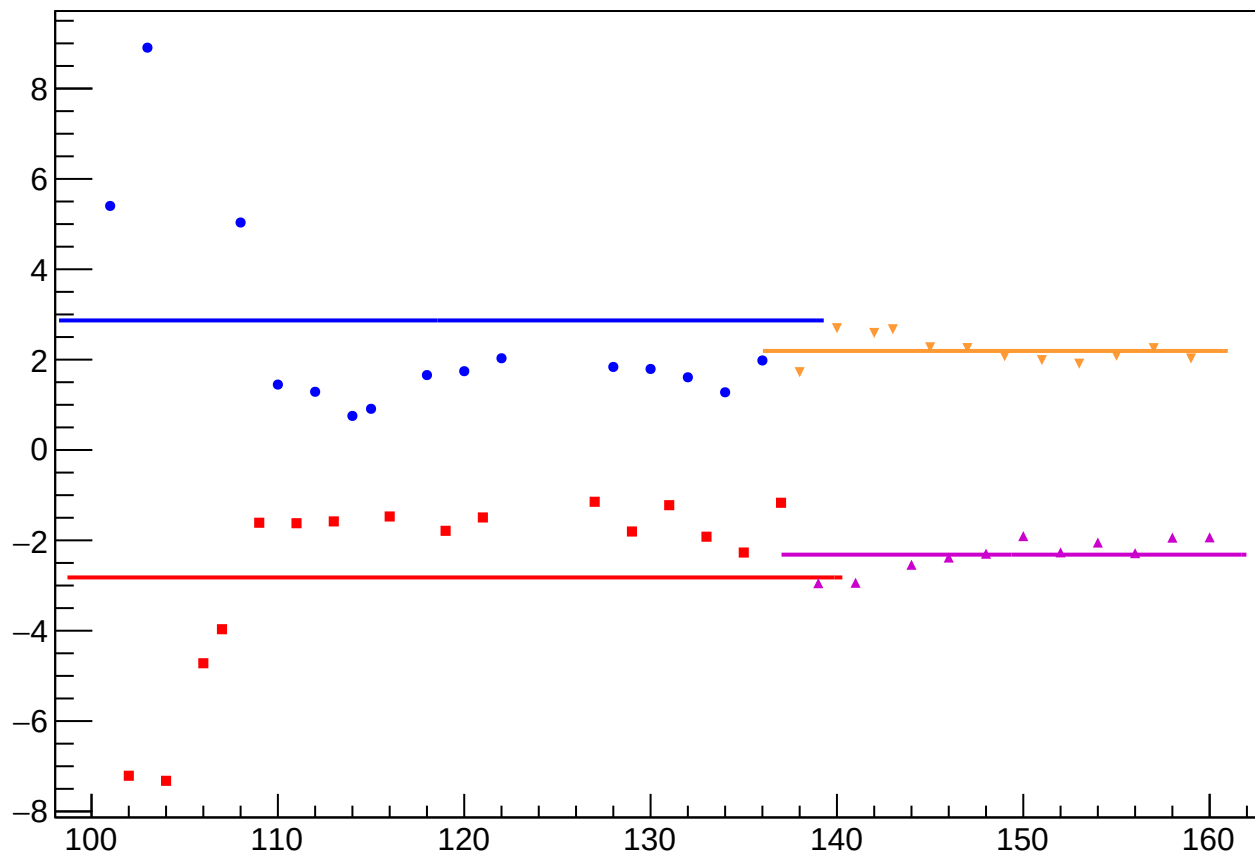
Right: -2.265 ± 0.000 $\chi^2/\text{NDF}: 1939933040270060$

In: 38.154 ± 0.000 $\chi^2/\text{NDF}: 645160855456739365$

Out: -36.355 ± 0.000 $\chi^2/\text{NDF}: 5572346140178000$

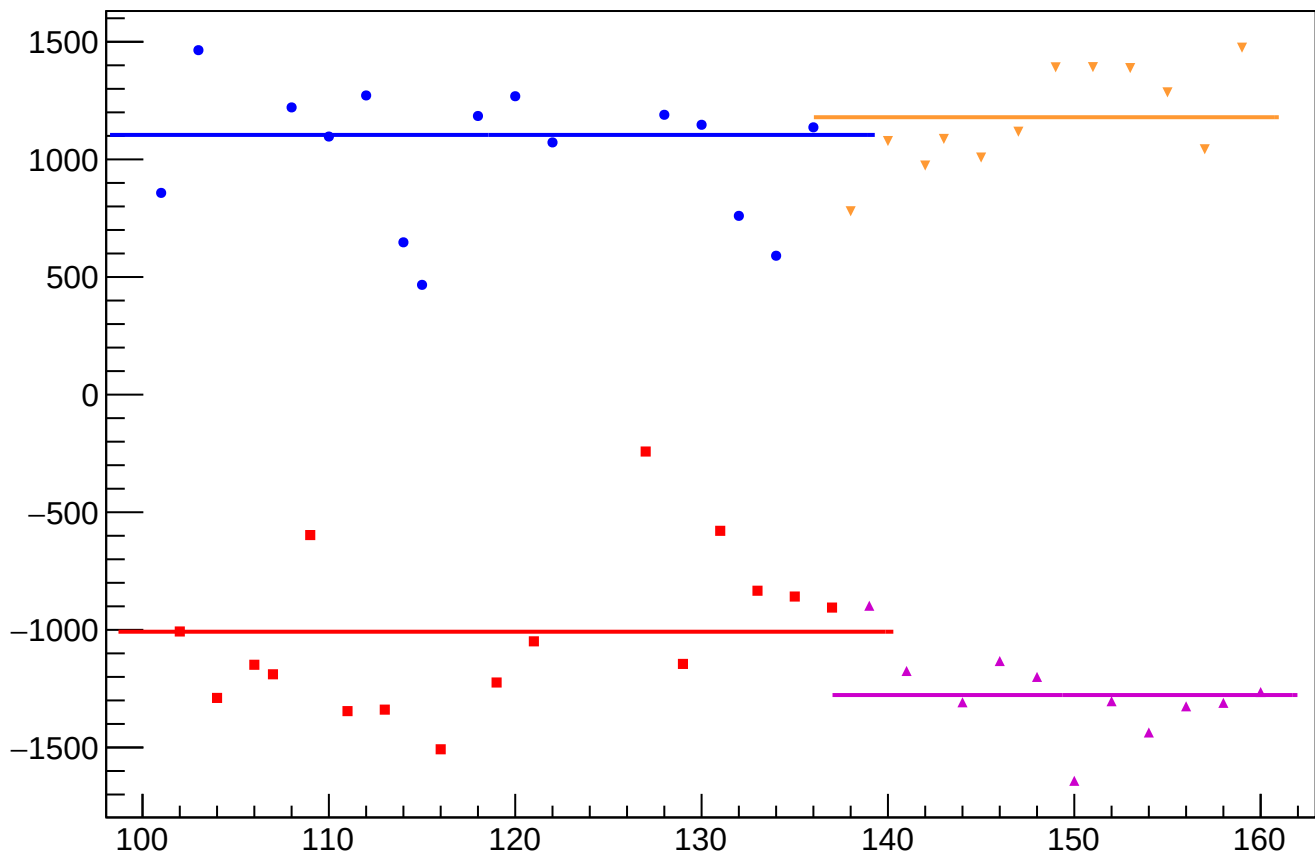
All: 0.805 ± 0.000 $\chi^2/\text{NDF}: 16401400360245$

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



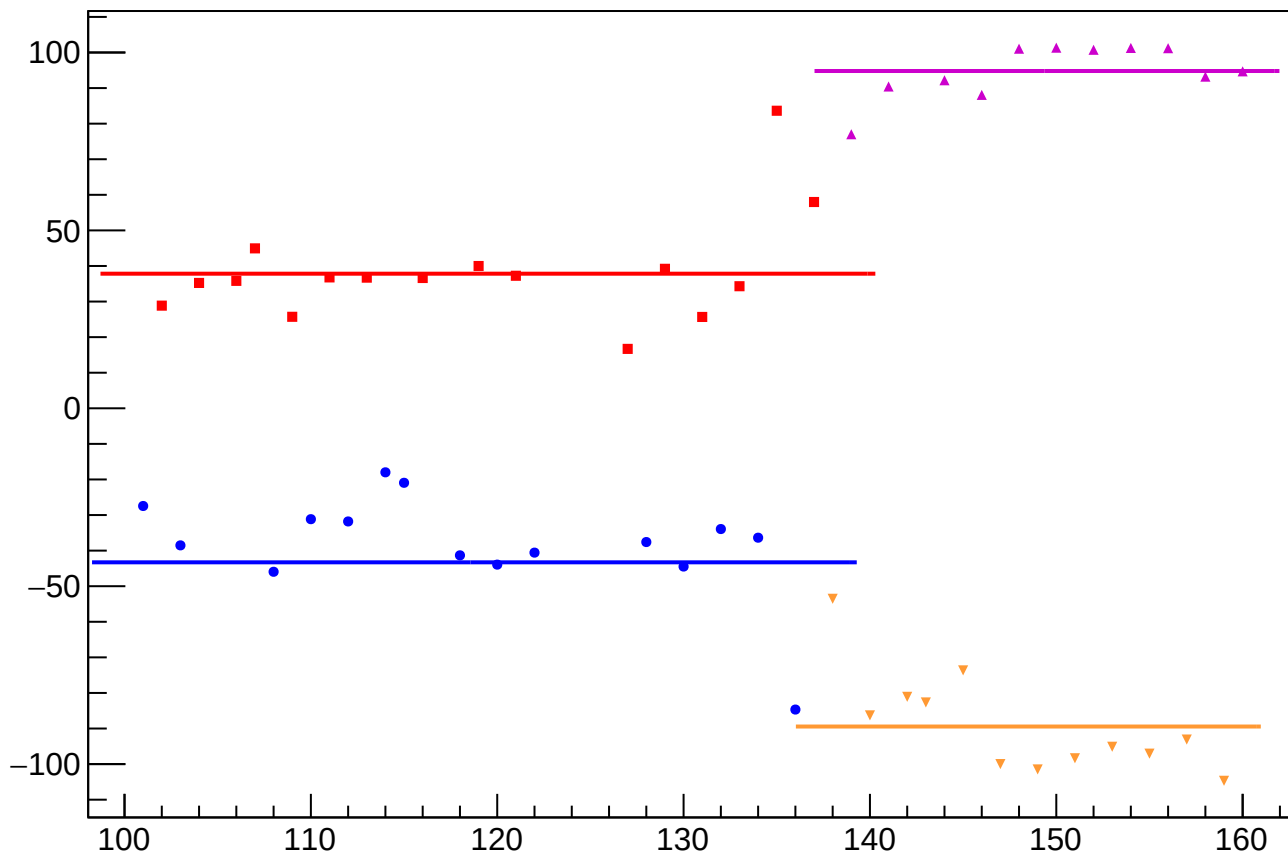
Right In: 2.867 ± 0.000 $\chi^2/\text{NDF}: 3455499087584693564208174061322240.0/14$
 Left Out: 2.192 ± 0.000 $\chi^2/\text{NDF}: 76043906789141561084580015898624.0/11$
 Right Out: -2.821 ± 0.000 $\chi^2/\text{NDF}: 3052948718107902490497172912472064.0/15$
 Left In: -2.317 ± 0.000 $\chi^2/\text{NDF}: 114372564725079889099013285216256.0/10$
 All: -0.050 ± 0.000 $\chi^2/\text{NDF}: 2668555650335$

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 ± 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 ± 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 ± 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 ± 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 ± 0.000 χ^2/NDF : 441608022845

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -43.289 $\pm$ 0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

Left Out: -89.439 $\pm$ 0.000

χ^2/NDF : 181119962985690841138788427972476928.0/11

Right Out: 37.832 $\pm$ 0.000

χ^2/NDF : 148683933977204936634636843897323520.0/15

Left In: 94.799 $\pm$ 0.000

χ^2/NDF : 49077050032611006982156968074936320.0/10

Left: 3.181 $\pm$ 0.000 χ^2/NDF : 158268282831051271

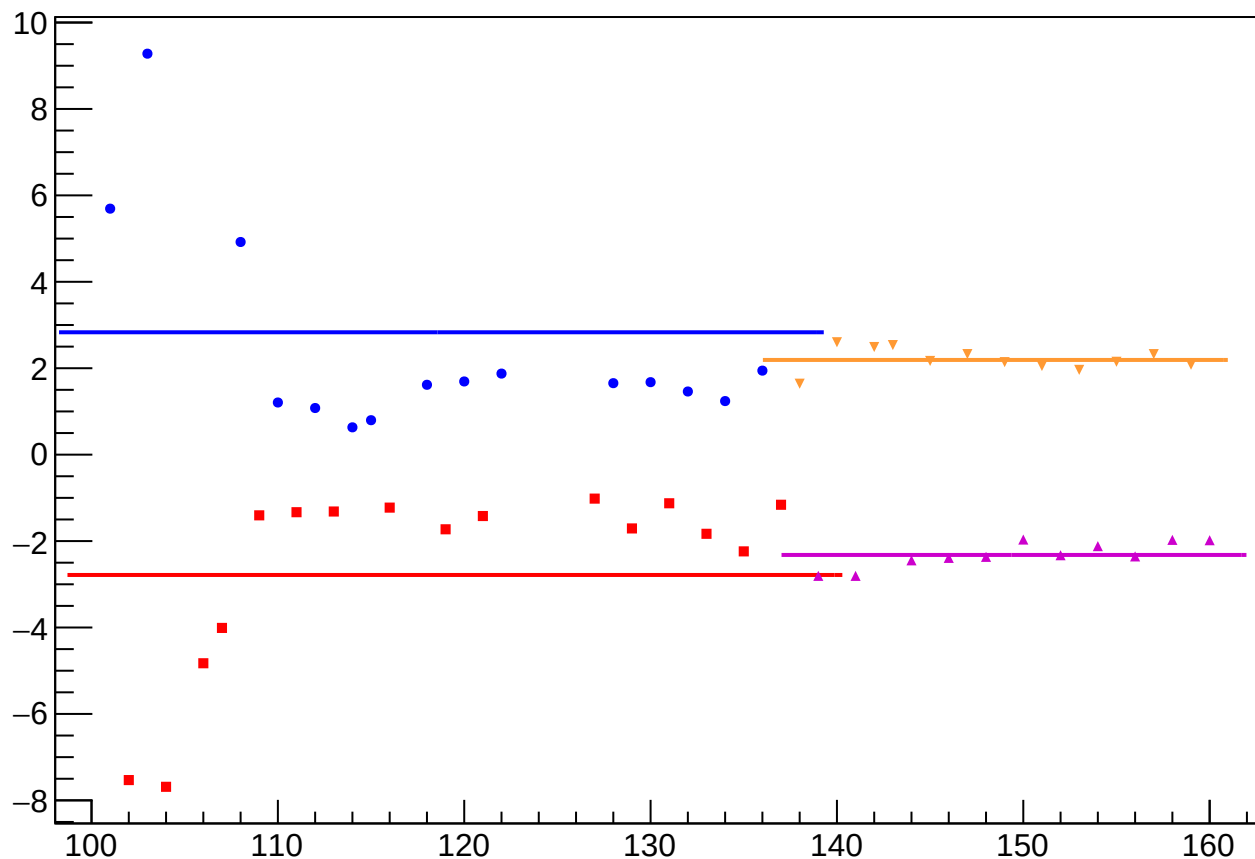
Right: -2.174 $\pm$ 0.000 χ^2/NDF : 2512687101518028

In: 37.826 $\pm$ 0.000 χ^2/NDF : 751790372998047563

Out: -35.745 $\pm$ 0.000 χ^2/NDF : 6575776048743356

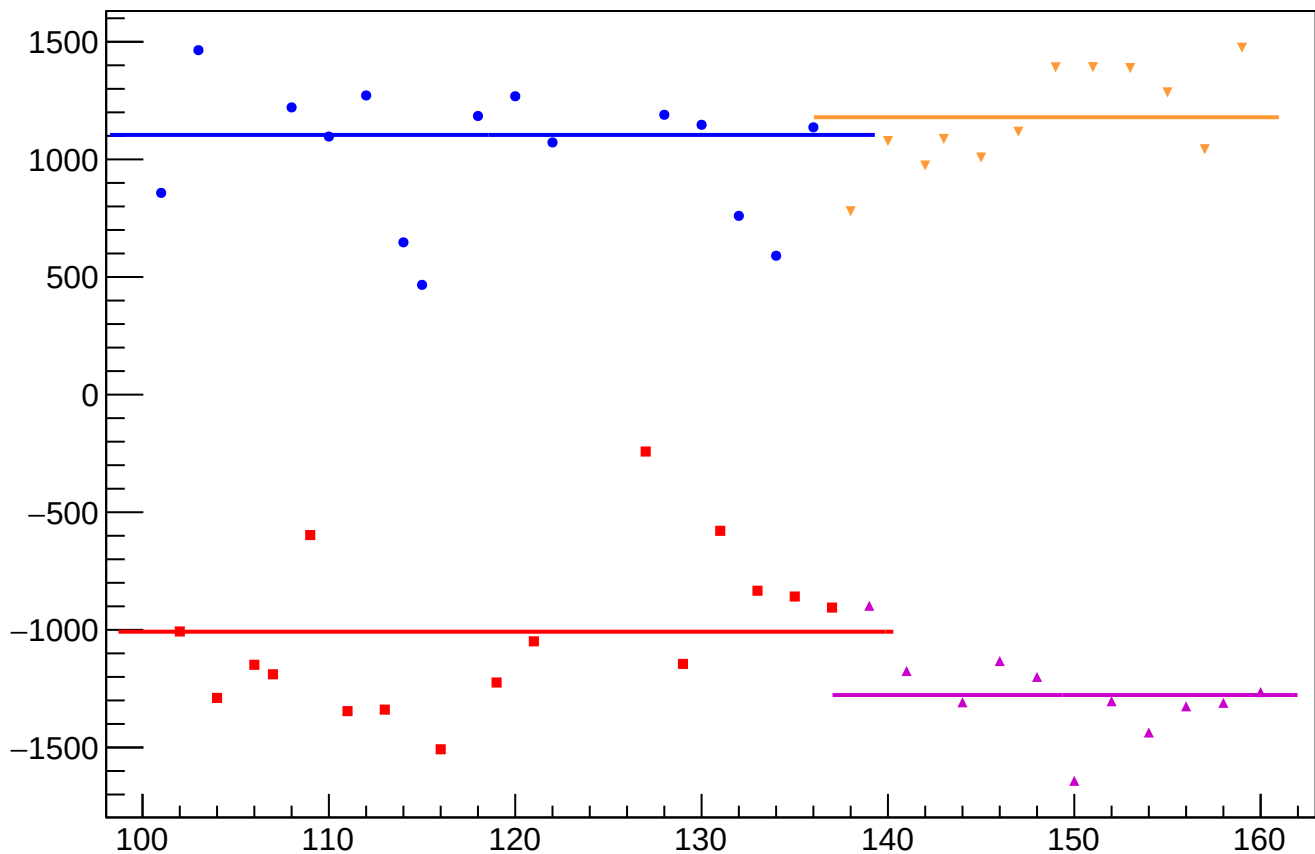
All: 0.947 $\pm$ 0.000 χ^2/NDF : 1836150818238

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



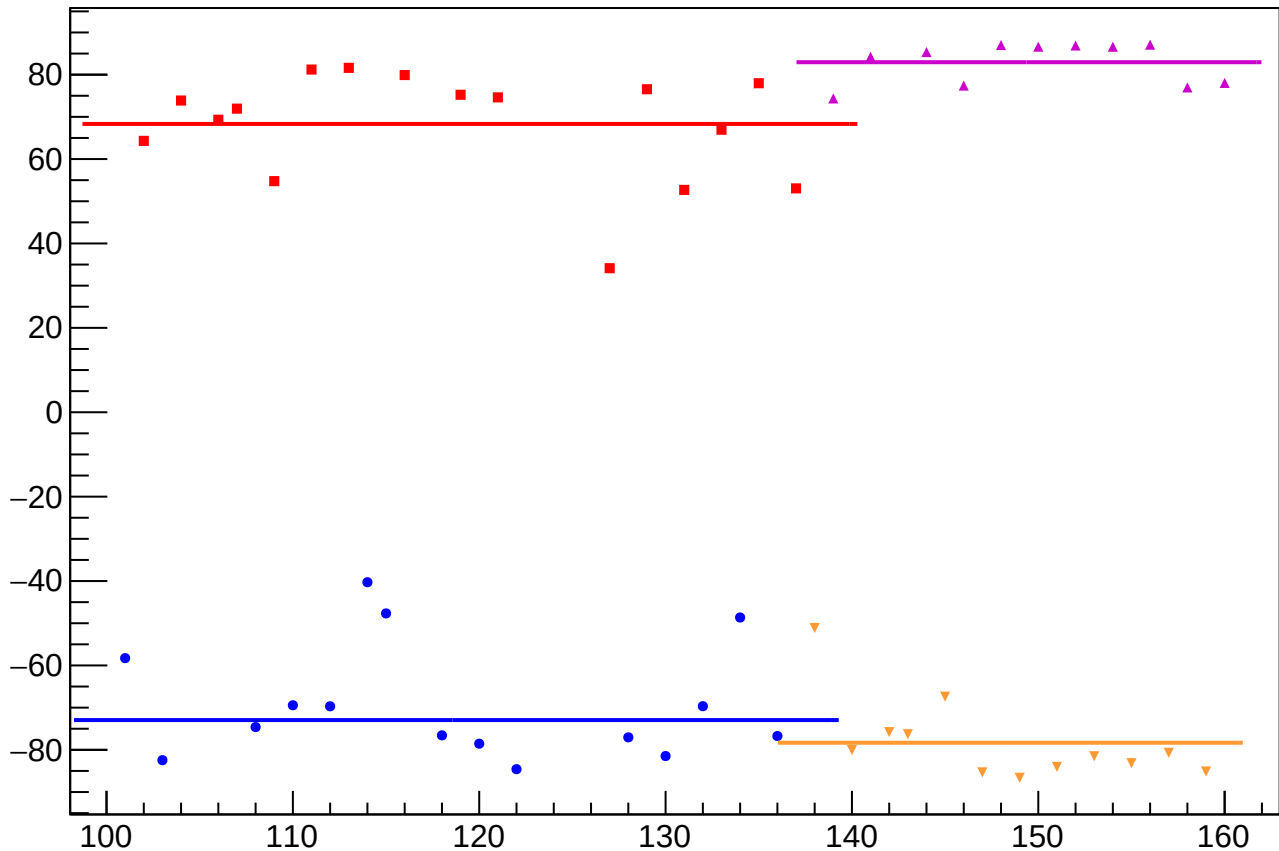
Right In: 2.832 ± 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 59601559247415008947816525463552.0/11
 Right Out: -2.784 ± 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.321 ± 0.000 χ^2/NDF : 74619123224616324544404505231360.0/10
 All: -0.051 ± 0.000 χ^2/NDF : 2741558316748

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000	χ^2/NDF : 441608022845	

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949+/-0.000

Left Out: -78.317+/-0.000

Right Out: 68.324+/-0.000

Left In: 82.954+/-0.000

χ^2/NDF : 65755428464857980306879126291087360.0/14

χ^2/NDF : 86858932587671188594087415160766464.0/11

χ^2/NDF : 106694344898202364483367131372584960.0/15

χ^2/NDF : 20419157774877297849205303170564096.0/10

Left: 2.757+/-0.000 χ^2/NDF : 120577028568665653

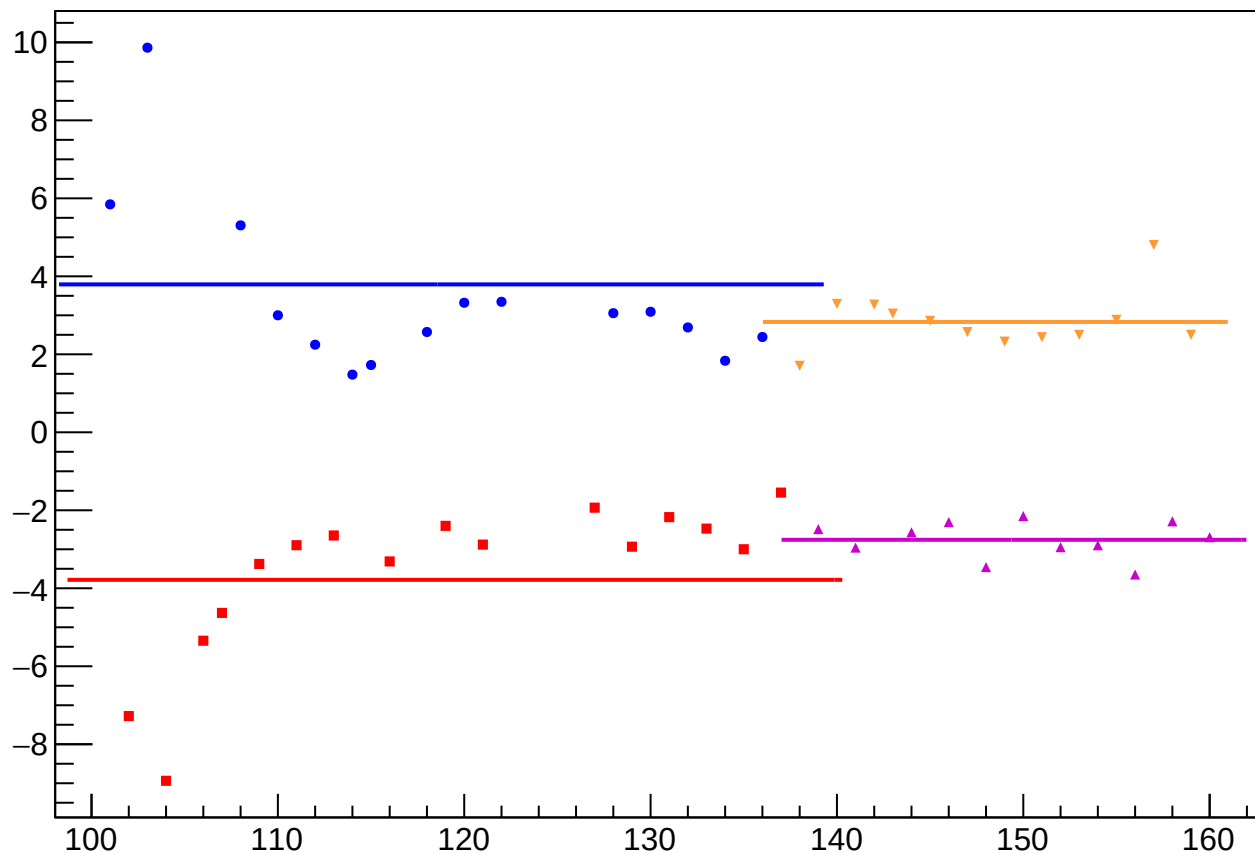
Right: -1.347+/-0.000 χ^2/NDF : 6737392391922205

In: 18.630+/-0.000 χ^2/NDF : 935227547229560147

Out: -16.451+/-0.000 χ^2/NDF : 8485315004637869

All: 1.045+/-0.000 χ^2/NDF : 18808011568652

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.793+/-0.000

χ^2/NDF : 3205389242726129619796290810413056.0/14

Left Out: 2.830+/-0.000

χ^2/NDF : 492749026028838907947829621161984.0/11

Right Out: -3.783+/-0.000

χ^2/NDF : 2878586622192676654452338755371008.0/15

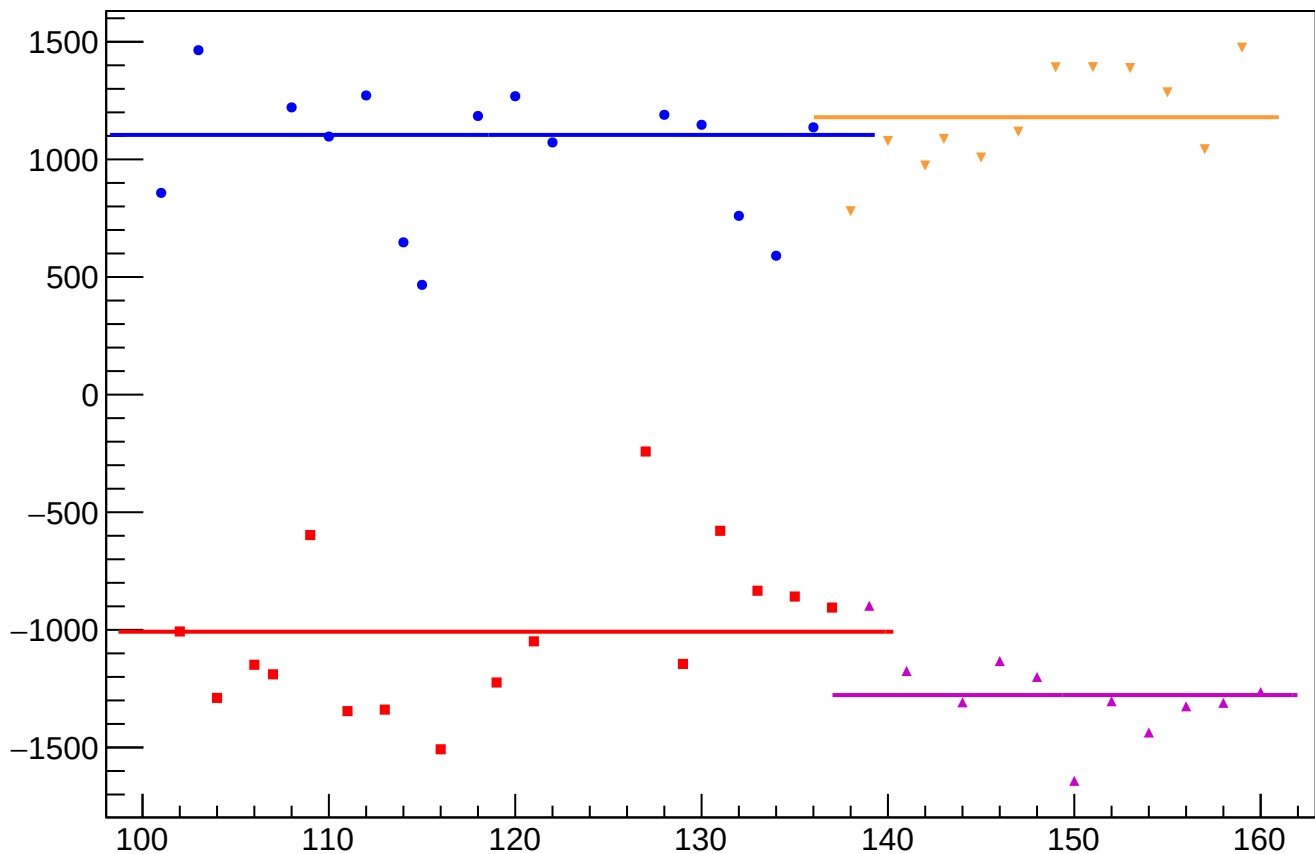
Left In: -2.757+/-0.000

χ^2/NDF : 191720746547732306226054042746880.0/10

All: -0.007+/-0.000

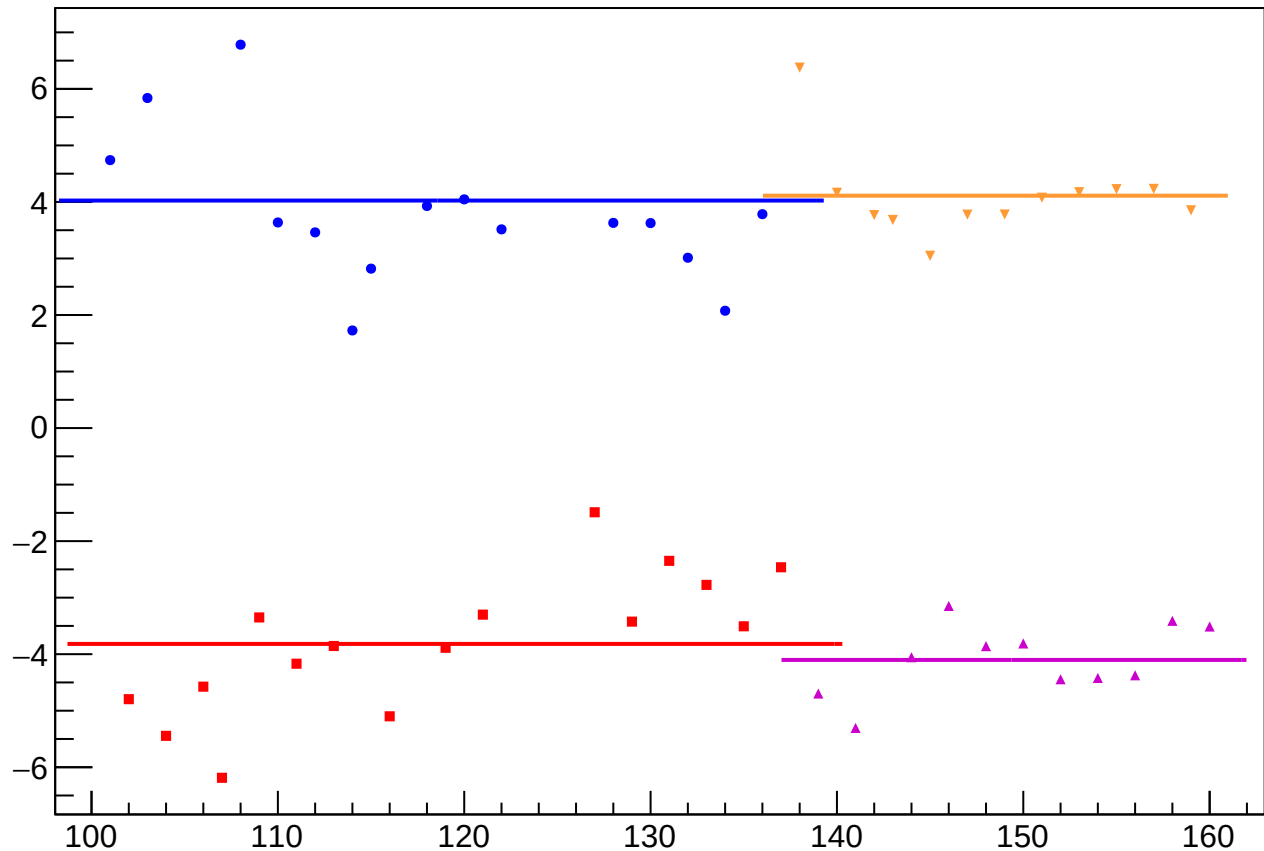
χ^2/NDF : 3999287355304

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



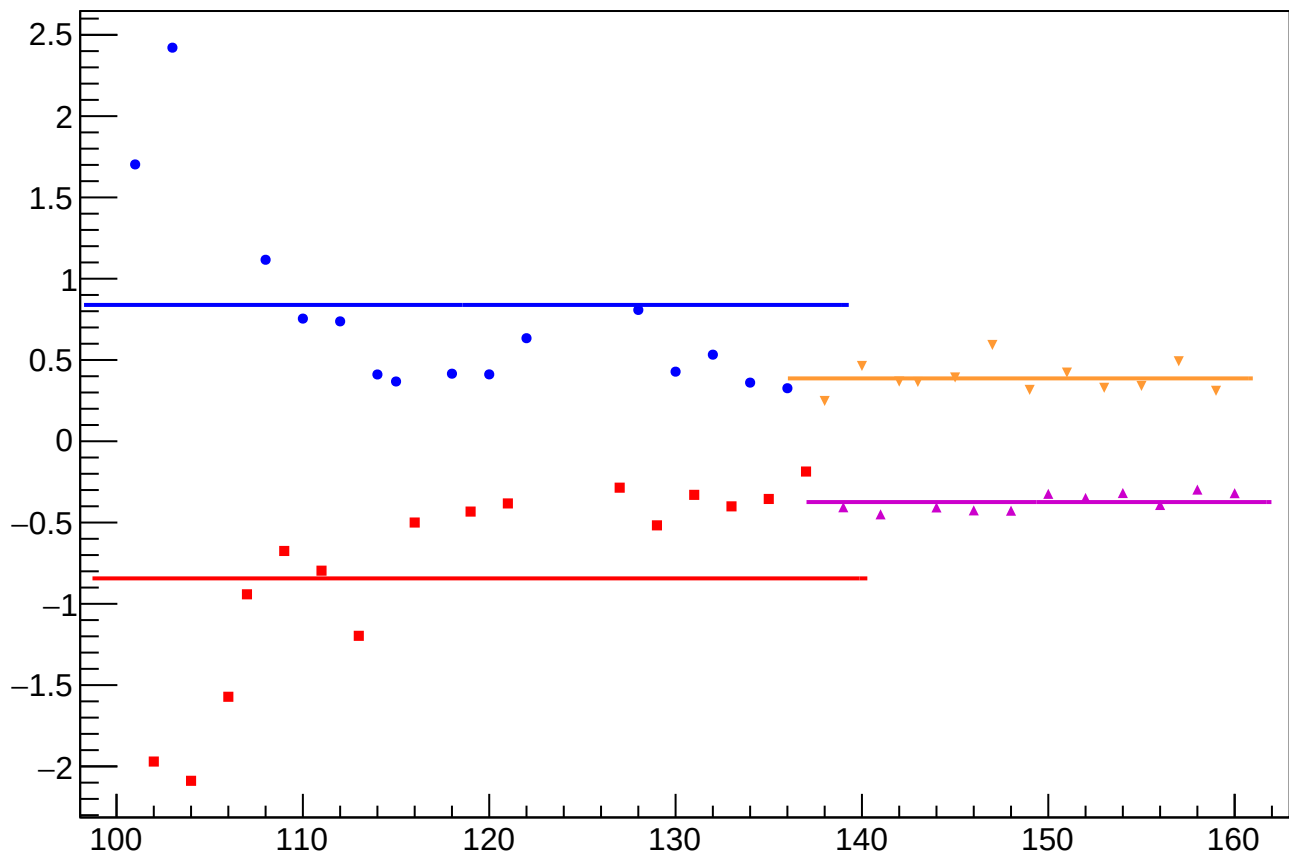
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025 ± 0.000 $\chi^2/\text{NDF}: 769001650442321928129473832550400.0/14$
 Left Out: 4.111 ± 0.000 $\chi^2/\text{NDF}: 532620096510613693690902891986944.0/11$
 Right Out: -3.819 ± 0.000 $\chi^2/\text{NDF}: 888232240226434329114859171479552.0/15$
 Left In: -4.102 ± 0.000 $\chi^2/\text{NDF}: 329978343606173709019066465779712.0/10$
 All: 0.010 ± 0.000 $\chi^2/\text{NDF}: 53749829914354$

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839 +/- 0.000

χ^2/NDF : 258416025334615661521163083841536.0/14

Left Out: 0.387 +/- 0.000

χ^2/NDF : 7656532010606705303389852401664.0/11

Right Out: -0.844 +/- 0.000

χ^2/NDF : 252917509393432760240648918925312.0/15

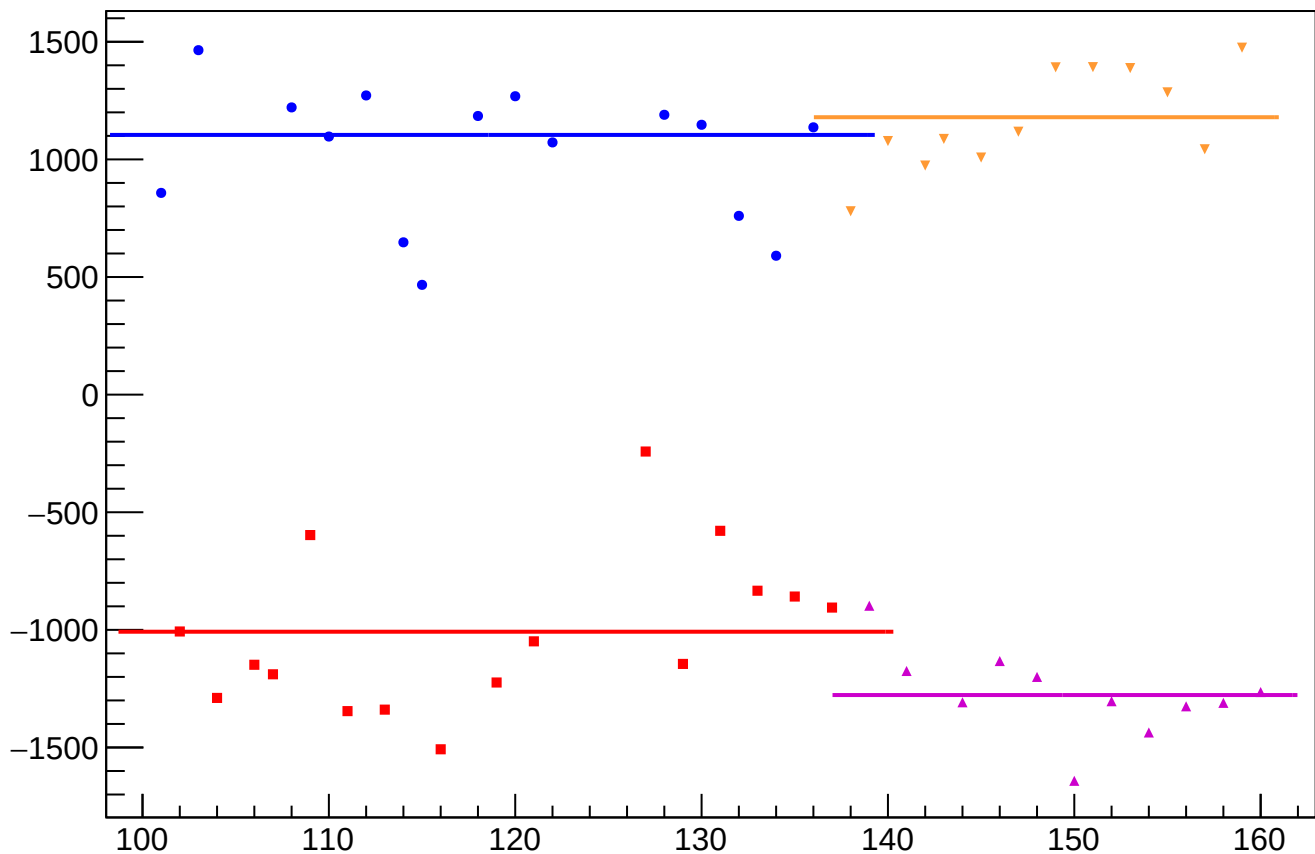
Left In: -0.374 +/- 0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

All: -0.003 +/- 0.000

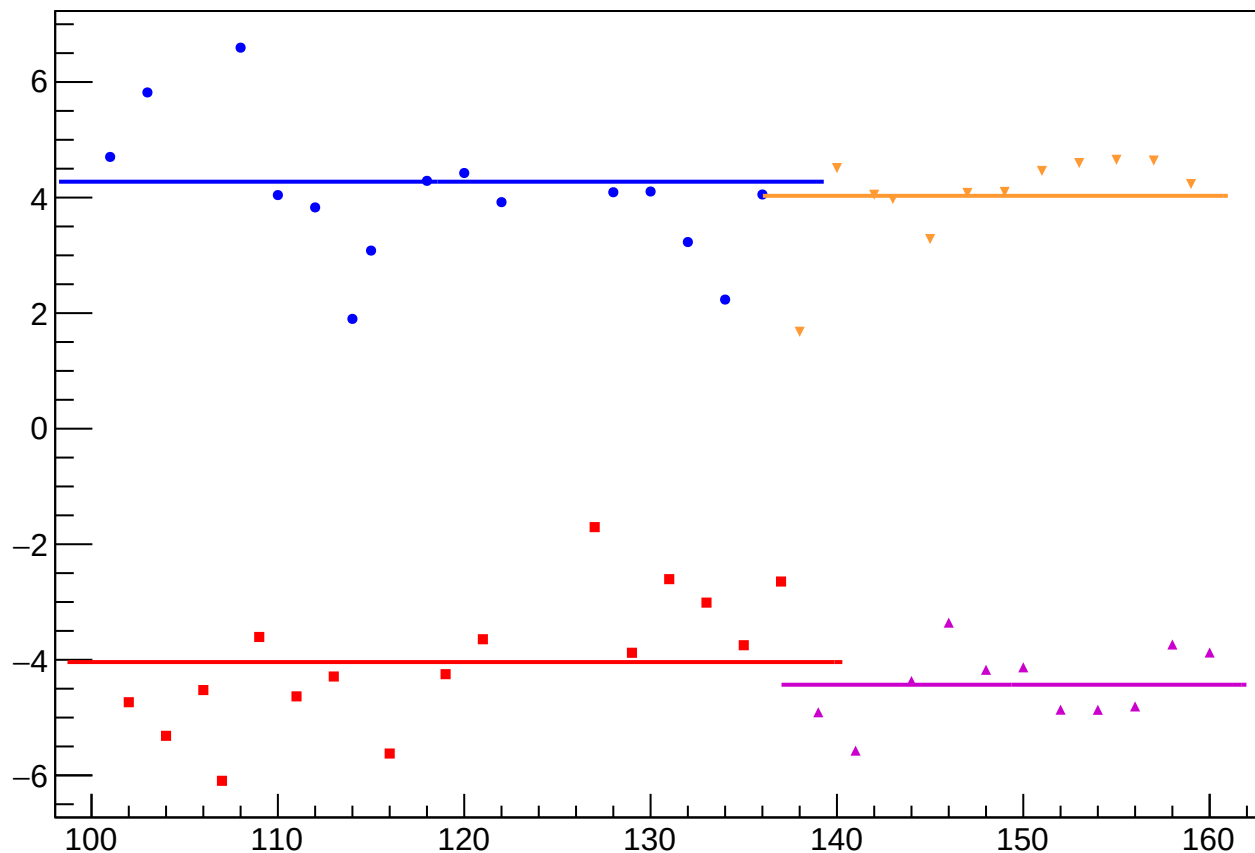
χ^2/NDF : 1718408465884

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



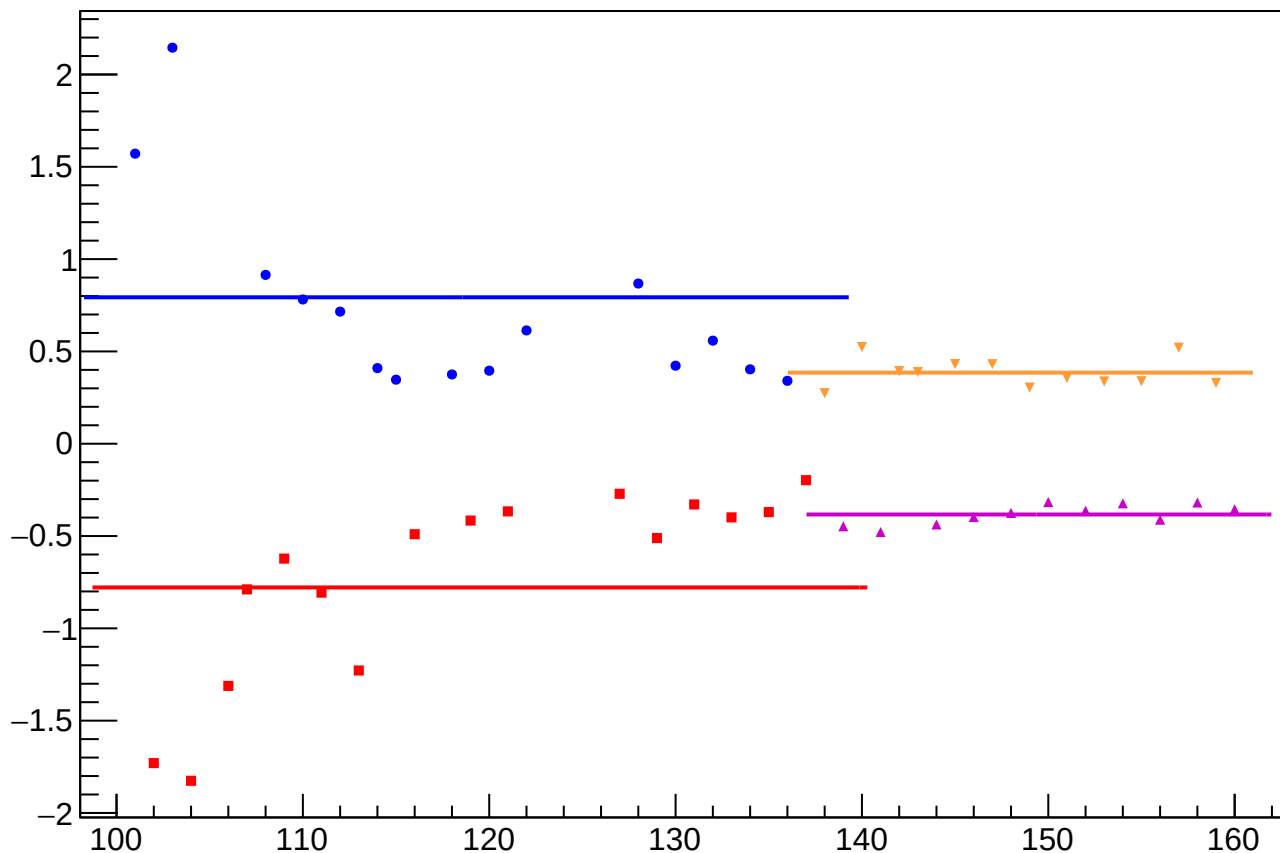
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_4eY_coil3_mean vs Slug, Sign Corrected



Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.030 ± 0.000 $\chi^2/\text{NDF}: 600797720921367466879695481470976.0/11$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.432 ± 0.000 $\chi^2/\text{NDF}: 345602703191245770554210363899904.0/10$
 All: -0.105 ± 0.000 $\chi^2/\text{NDF}: 5801697378090$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.793+/-0.000

χ^2/NDF : 195508777173589483440314700005376.0/14

Left Out: 0.385+/-0.000

χ^2/NDF : 5547784180240414411423653822464.0/11

Right Out: -0.778+/-0.000

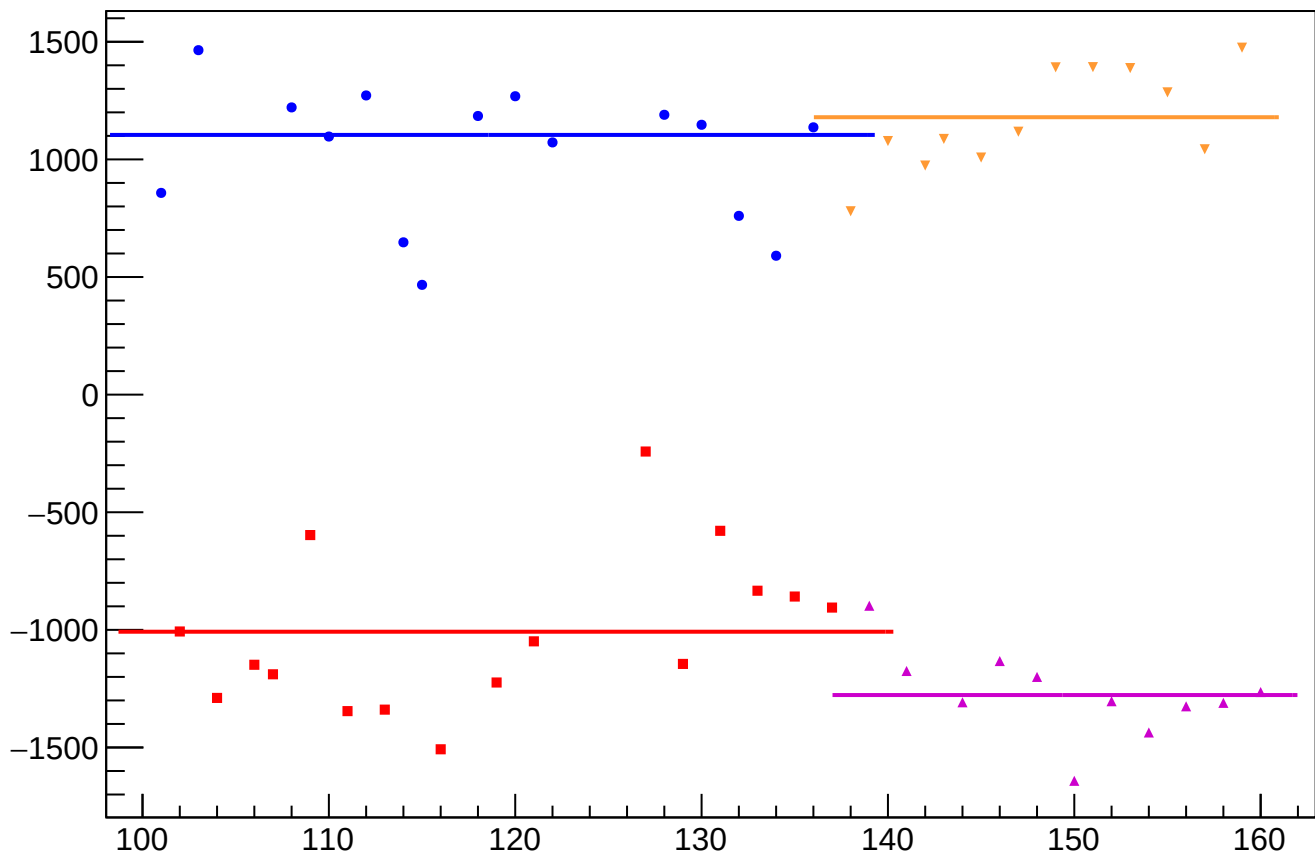
χ^2/NDF : 185814635772183306063903690063872.0/15

Left In: -0.383+/-0.000

χ^2/NDF : 2618375268437967875049691021312.0/10

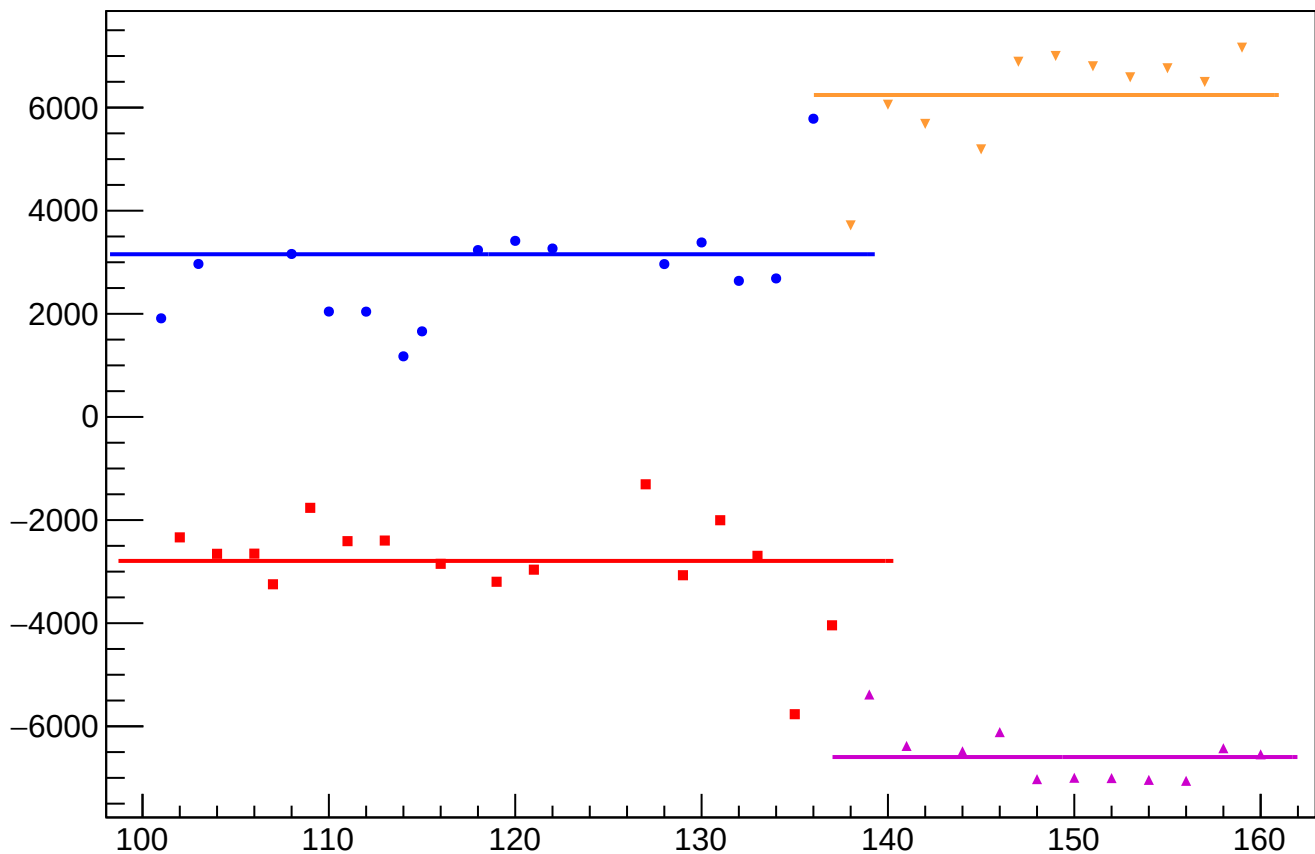
All: -0.002+/-0.000 χ^2/NDF : 1473239916142

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



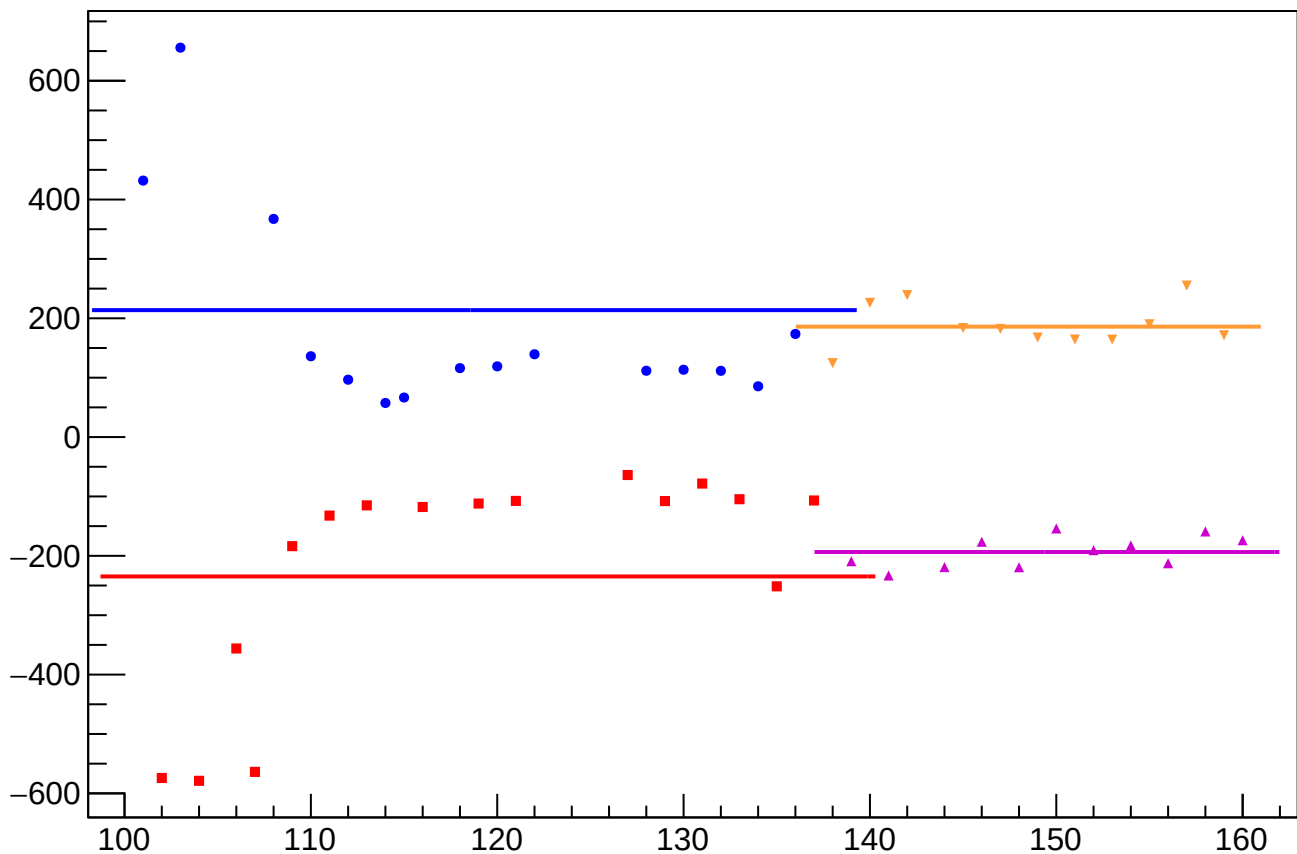
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_usl_coil3_mean vs Slug, Sign Corrected



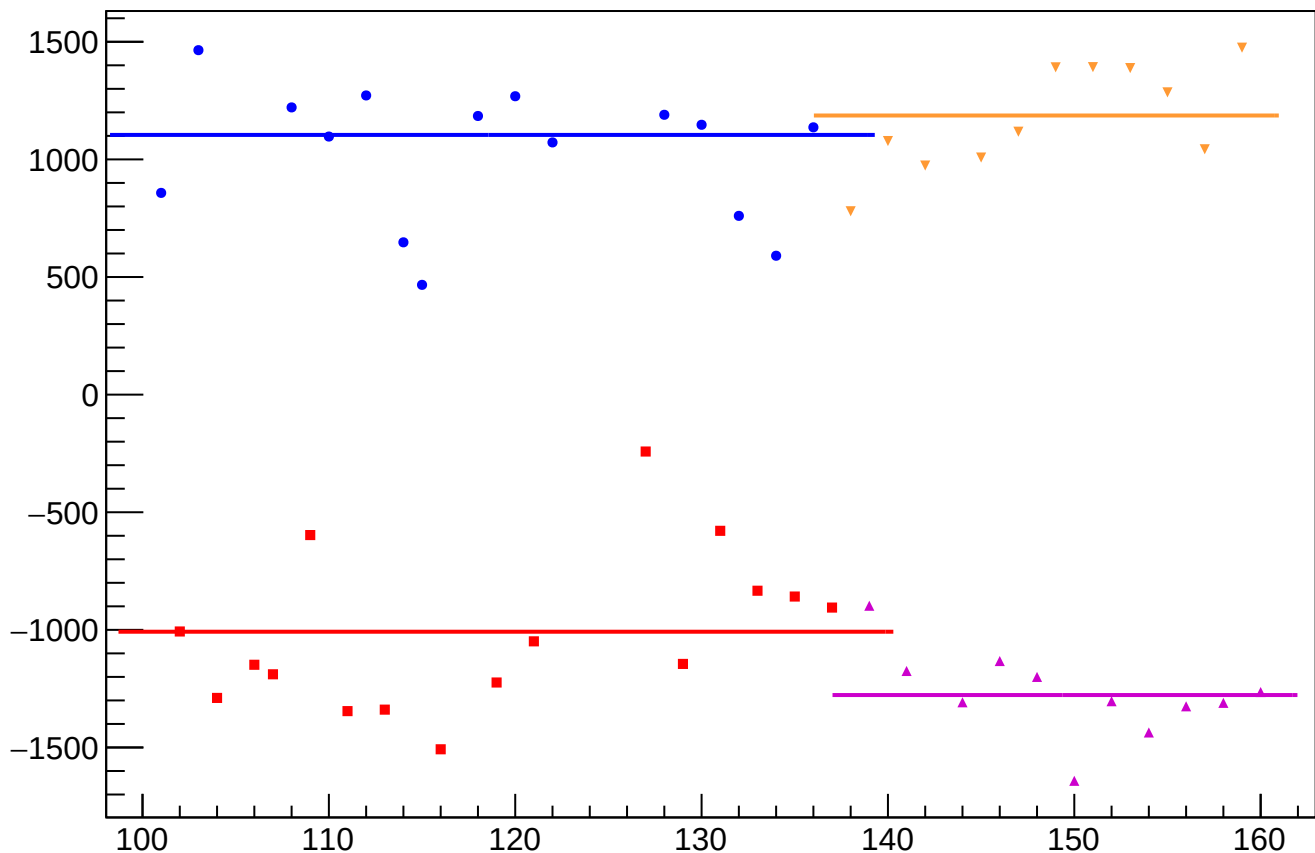
Right In: 3155.434+/-0.000 χ^2/NDF : 903550534773622902110918214033612996608.0/14
 Left Out: 6243.976+/-0.000 χ^2/NDF : 811230786168378302780139165688711348224.0/10
 Right Out: -2792.245+/-0.000 χ^2/NDF : 674635749324173001973264427530986717184.0/15
 Left In: -6595.861+/-0.000 χ^2/NDF : 225164805715400368671043826745864093696.0/10
 All: -200.997+/-0.000 χ^2/NDF : 87373315799

dit_usl_coil3_err_mean vs Slug, Sign Corrected



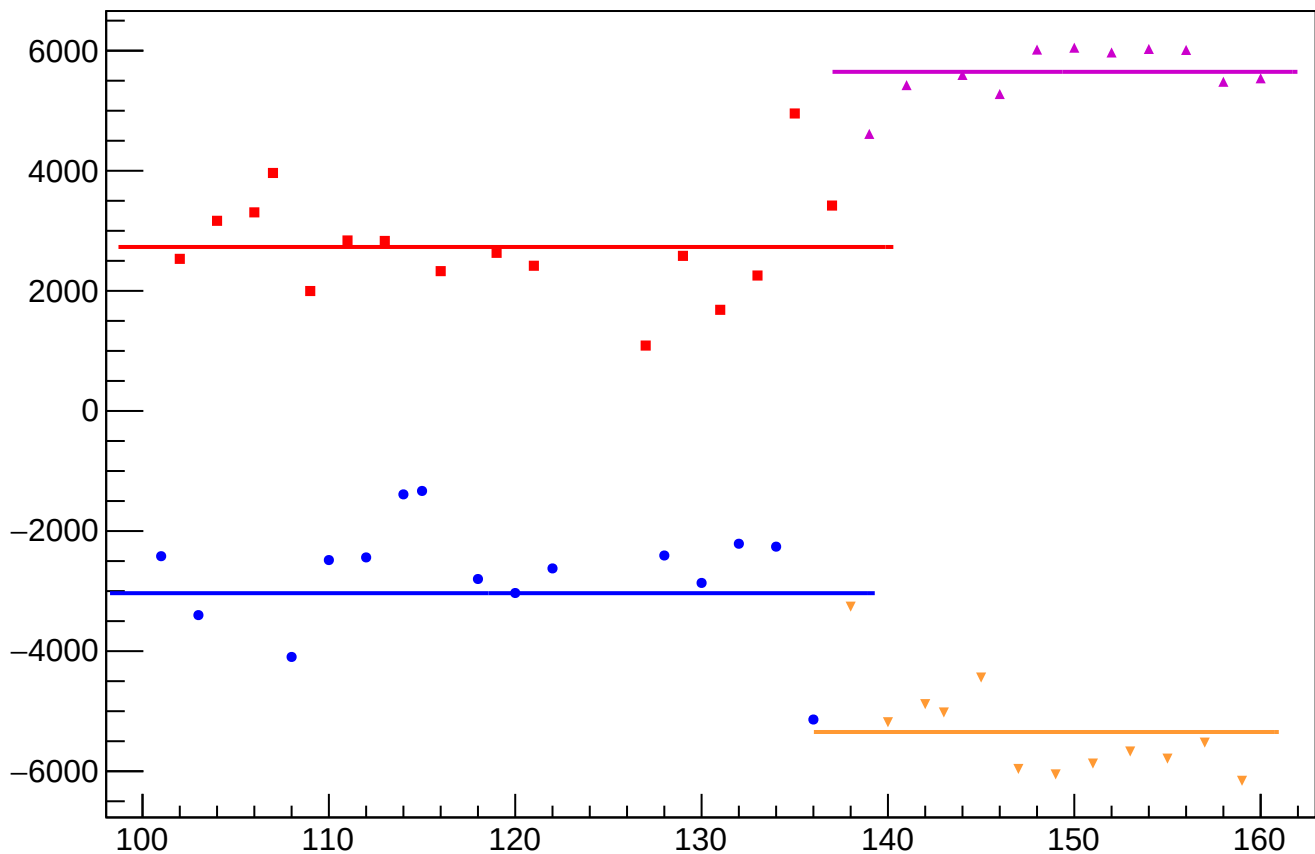
Right In: 213.739+/-0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Left Out: 185.948+/-0.000 χ^2/NDF : 1057706607595767583587974846640816128.0/10
 Right Out: -234.712+/-0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Left In: -193.543+/-0.000 χ^2/NDF : 598931150644293332680217057881489408.0/10
 All: -12.690+/-0.000 χ^2/NDF : 175183232937

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1186.635+/-0.000 χ^2/NDF : 38127290182419373090636614603236179968.0/10
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -42.327+/-0.000 χ^2/NDF : 433243619432

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527+/-0.000

Left Out: -5346.287+/-0.000

Right Out: 2731.035+/-0.000

Left In: 5647.632+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 595830455774800553383002095782337708032.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 164214312908035645215126356935491715072.0/10

Left: 180.580+/-0.000 χ^2/NDF : 5629644567862069

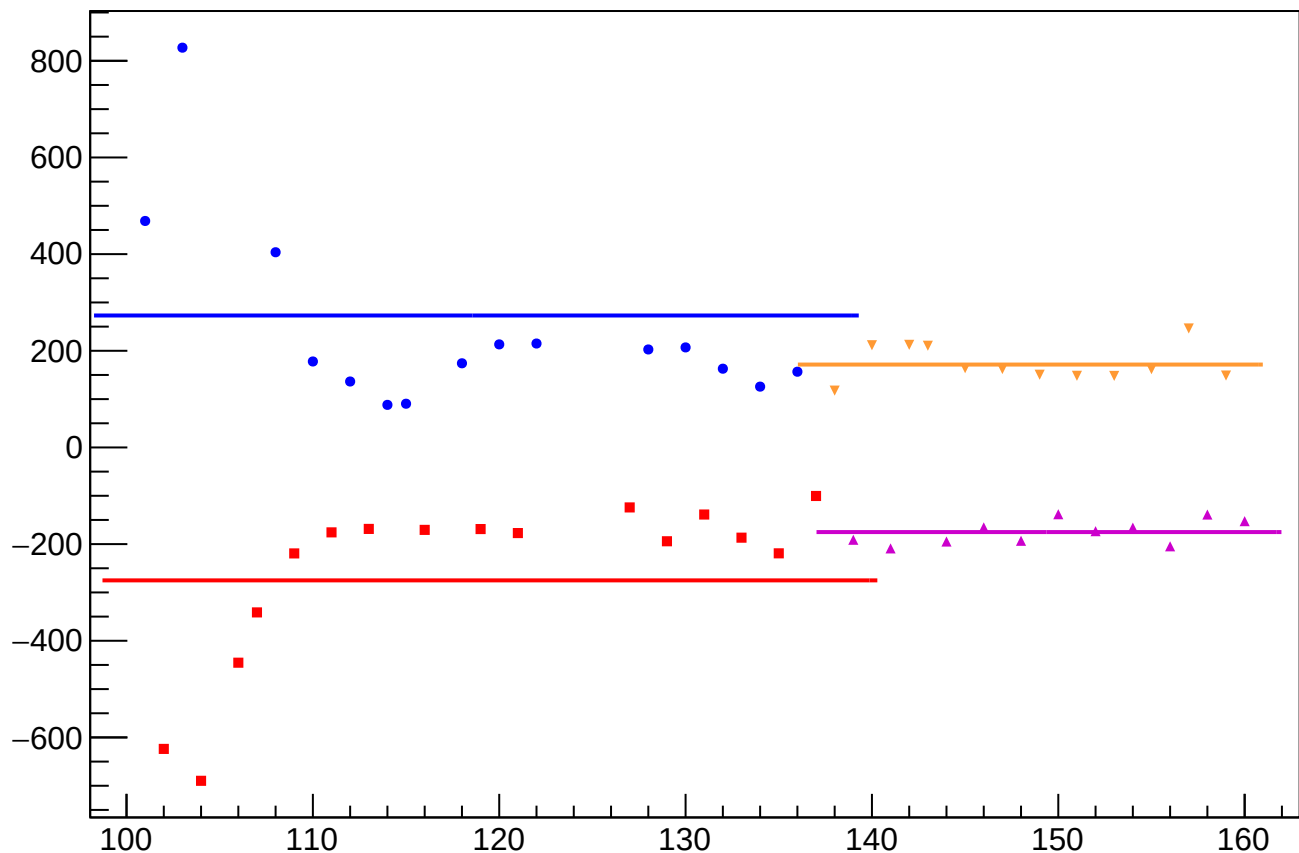
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 2065.482+/-0.000 χ^2/NDF : 2953204271382502

Out: -1938.587+/-0.000 χ^2/NDF : 26282051967126

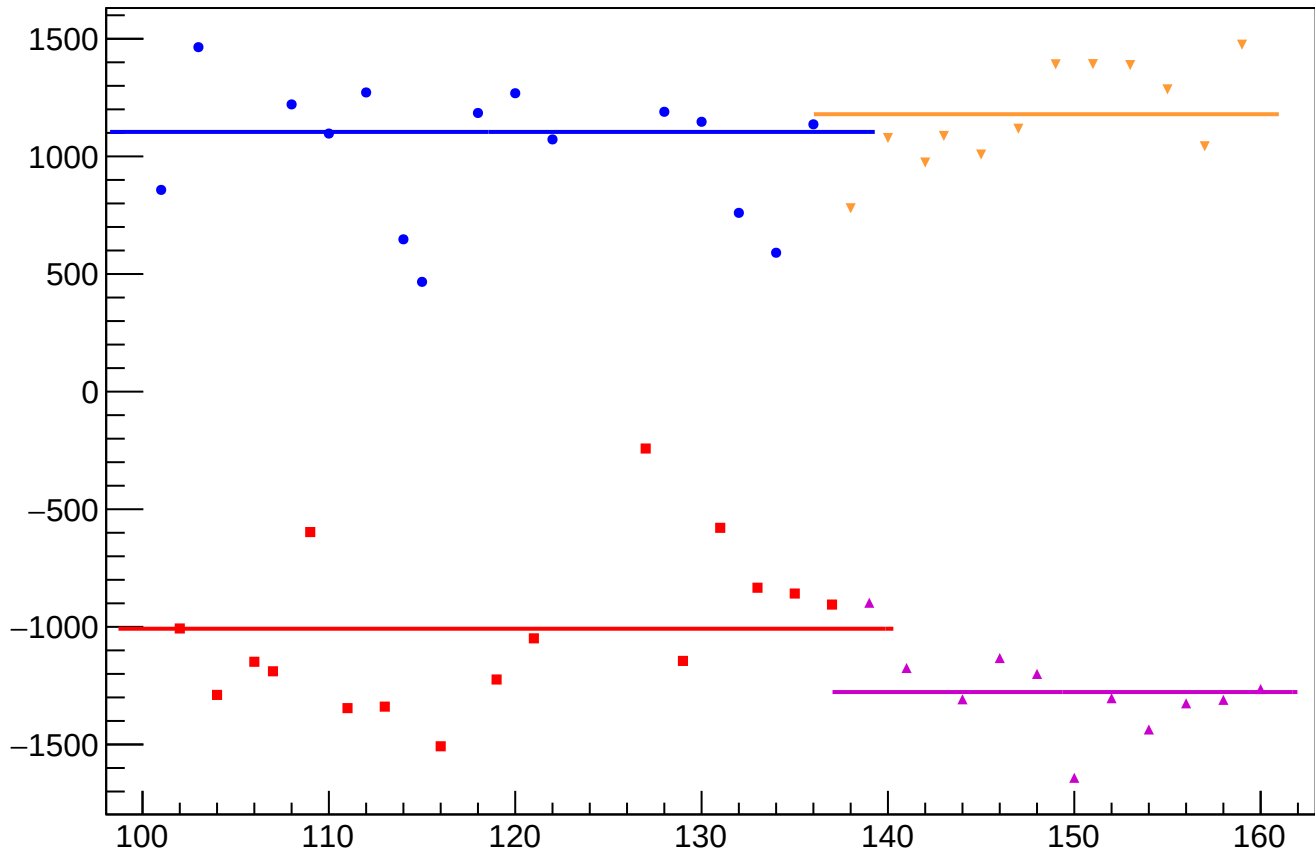
All: 58.370+/-0.000 χ^2/NDF : 6845569684778

dit_usr_coil3_err_mean vs Slug, Sign Corrected



Right In: 273.039+/-0.000 χ^2/NDF : 26485935053341175092913795212184125440.0/14
 Left Out: 171.517+/-0.000 χ^2/NDF : 1162204446124418452265763444206075904.0/11
 Right Out: -275.044+/-0.000 χ^2/NDF : 22264760088752901792561892991657050112.0/15
 Left In: -175.100+/-0.000 χ^2/NDF : 532319905760316522814470909096624128.0/10
 All: -3.576+/-0.000 χ^2/NDF : 2044639421545

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

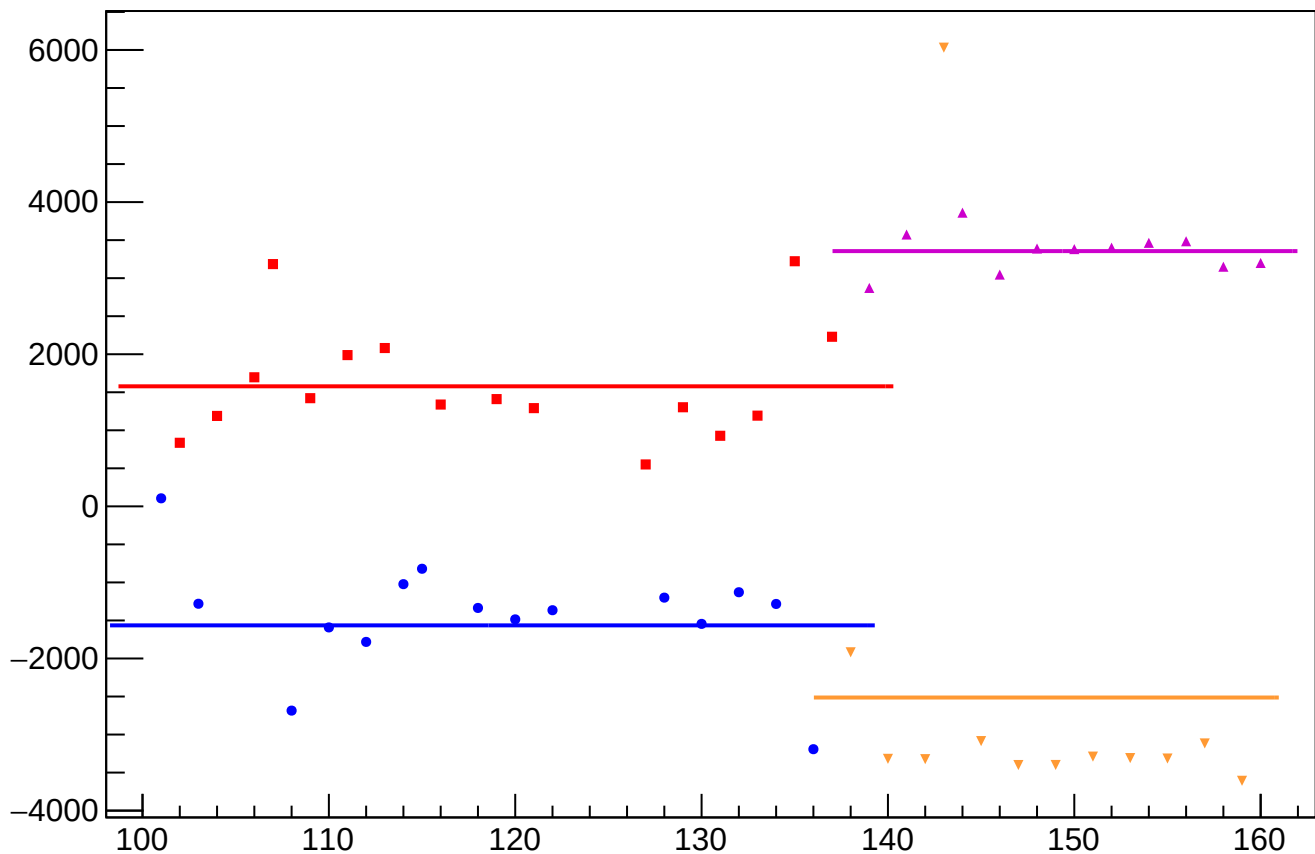
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1564.595+/-0.000

Left Out: -2513.182+/-0.000

Right Out: 1578.178+/-0.000

Left In: 3355.712+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5431127813565364988673729418683400323072.0/11

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 61603128430044333980990125877093203968.0/10

Left: 437.231+/-0.000 χ^2/NDF : 2131924326486959

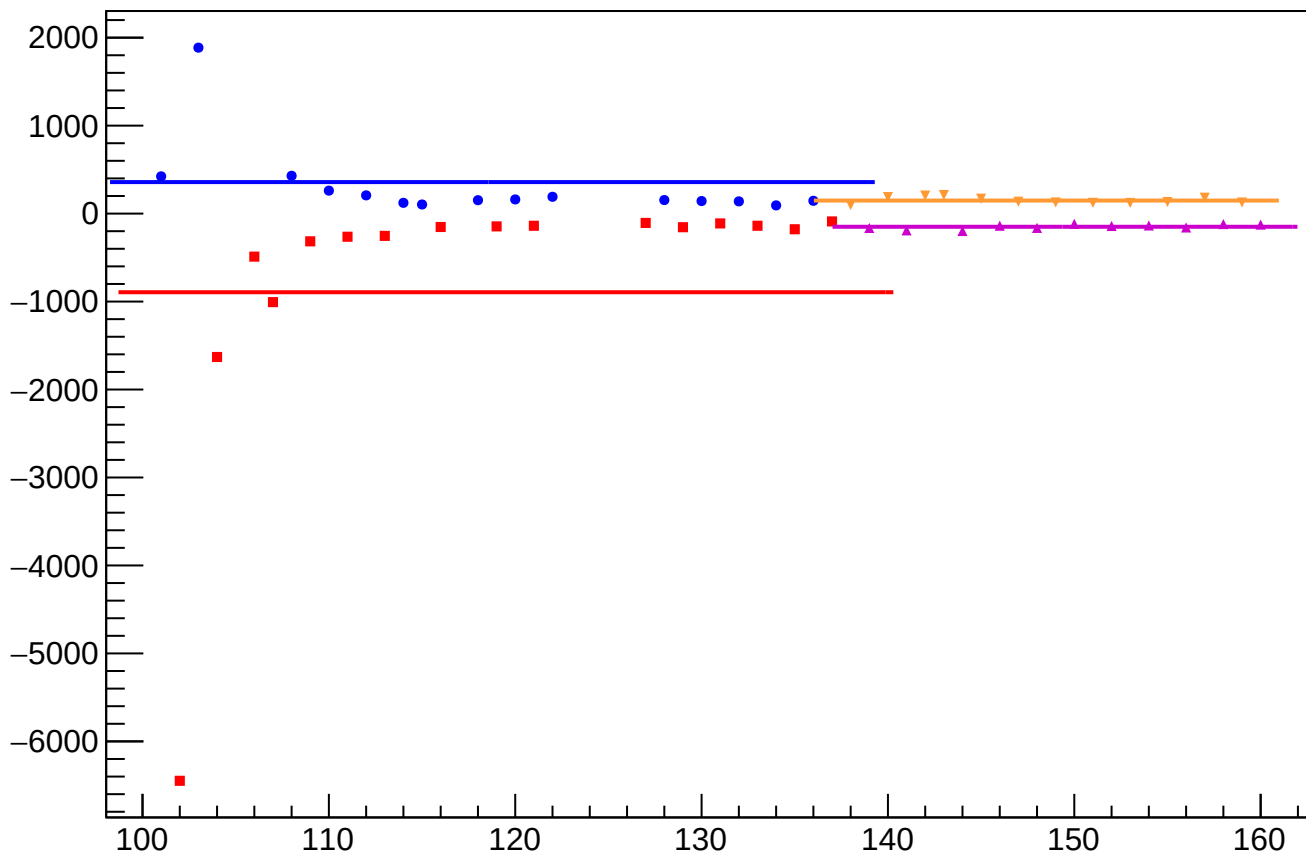
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1325.655+/-0.000 χ^2/NDF : 9774855555761575

Out: -787.099+/-0.000 χ^2/NDF : 122542710245159

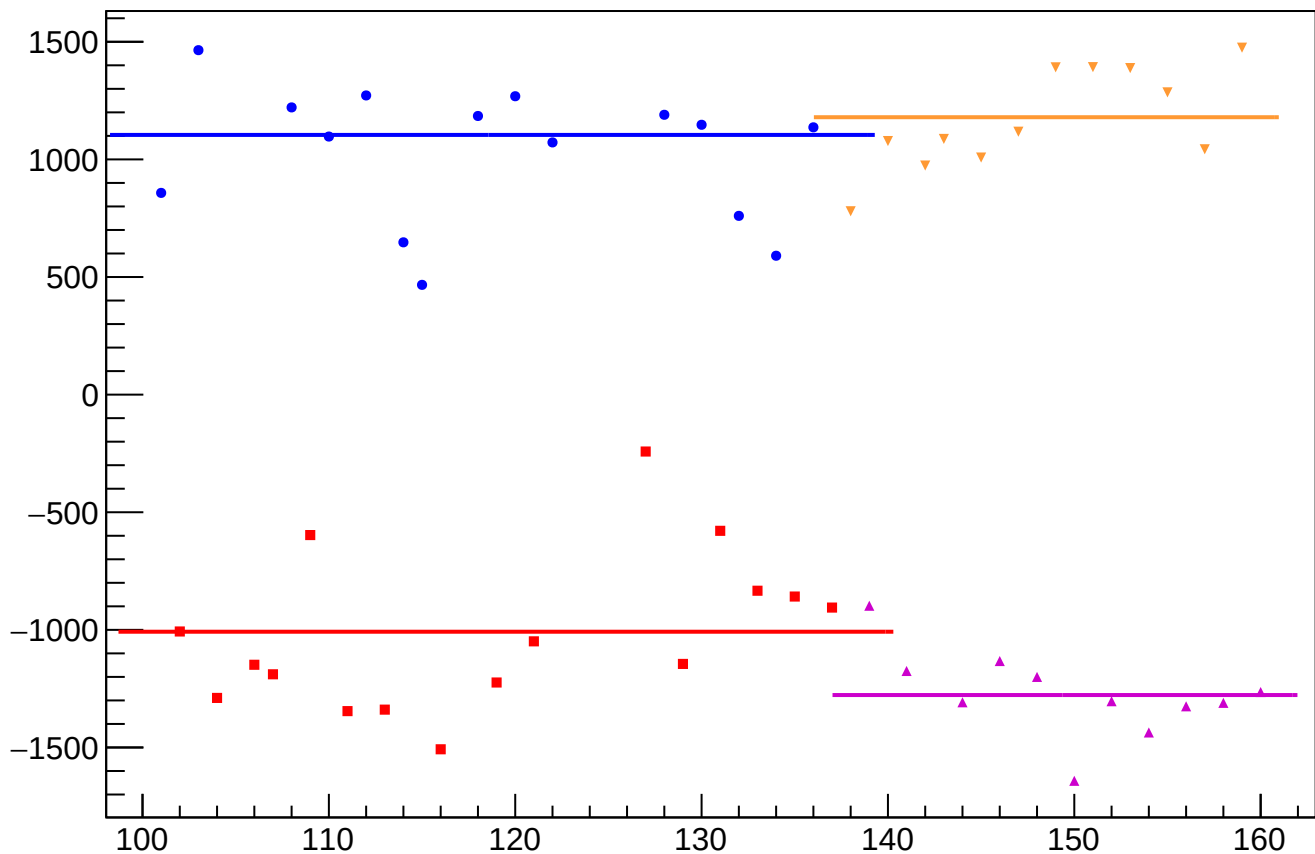
All: 266.599+/-0.000 χ^2/NDF : 255487557311

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



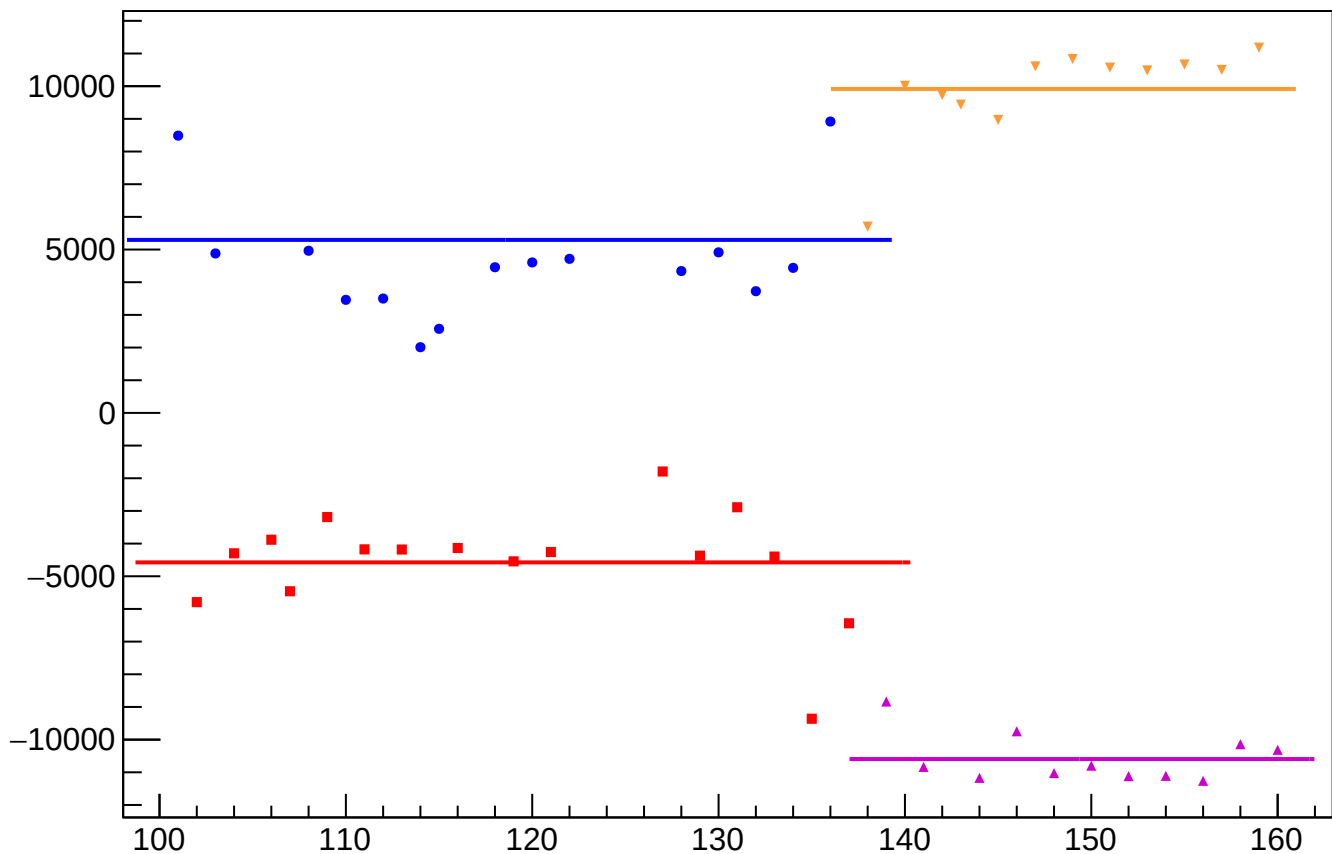
Right In: 358.080 ± 0.000 χ^2/NDF : 157922789145697858165644452090202816512.0/14
 Left Out: 148.359 ± 0.000 χ^2/NDF : 1090286331733366082581256970807803904.0/11
 Right Out: -893.897 ± 0.000 χ^2/NDF : 2075920155774201043572695656797803905024.0/15
 Left In: -149.829 ± 0.000 χ^2/NDF : 645756718172892804384604635004928000.0/10
 All: -116.258 ± 0.000 χ^2/NDF : 28499930865

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



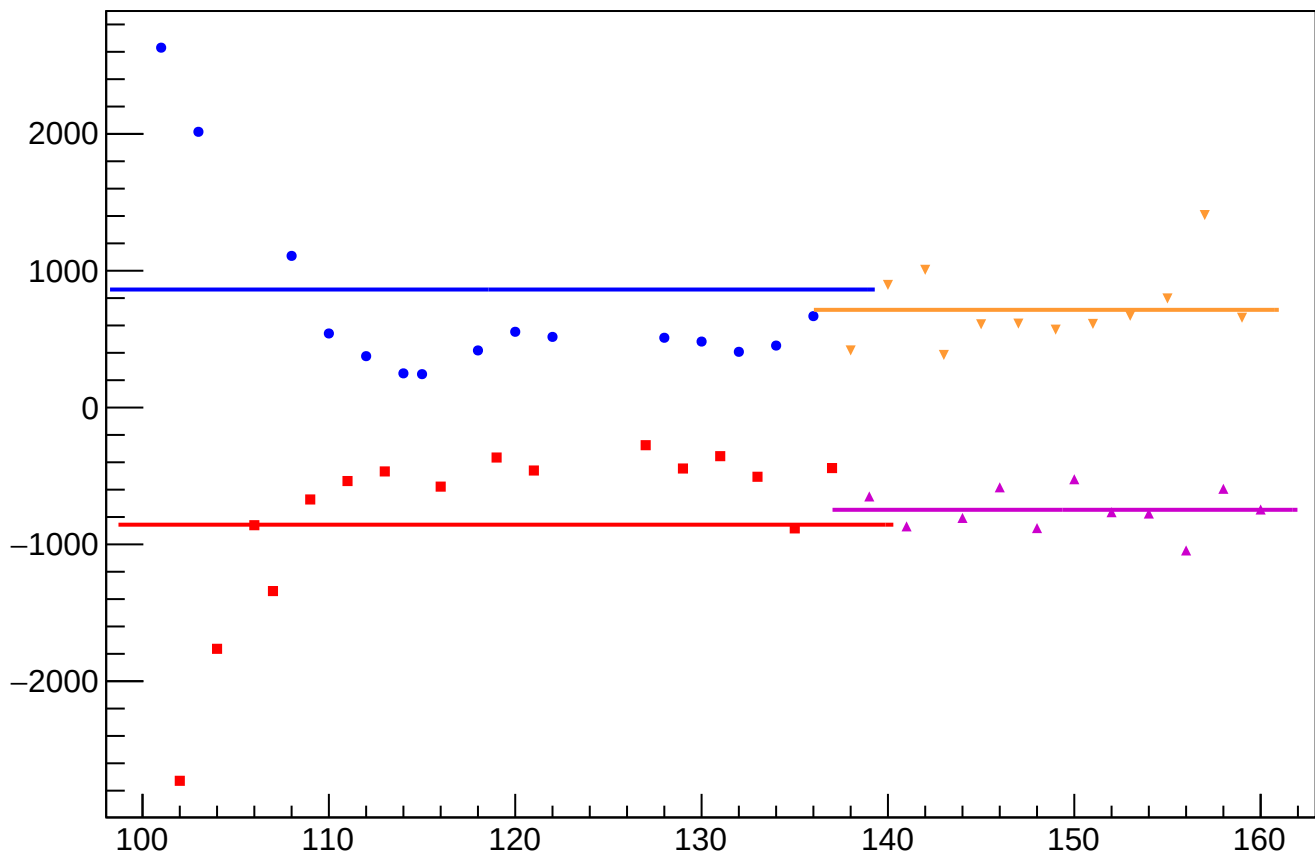
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5295.485+/-0.000 χ^2/NDF : 2505645232968263275444048016093183213568.0/14
 Left Out: 9916.420+/-0.000 χ^2/NDF : 1840714392757174837254481771479116546048.0/11
 Right Out: -4575.270+/-0.000 χ^2/NDF : 1863322094770403739096100800072716910592.0/15
 Left In: -10594.095+/-0.000 χ^2/NDF : 469955671378487676963254464485150162944.0/10
 All: -107.886+/-0.000 χ^2/NDF : 23238819396

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 862.683+/-0.000

χ^2/NDF : 337684000863819315026459106525759668224.0/14

Left Out: 714.221+/-0.000

χ^2/NDF : 63936823657083124140922251637065515008.0/11

Right Out: -856.059+/-0.000

χ^2/NDF : 327195216546444767148716224688288694272.0/15

Left In: -747.275+/-0.000

χ^2/NDF : 19678847395727730098310642242030665728.0/10

Left: -20.503+/-0.000 χ^2/NDF : 1065064961511877

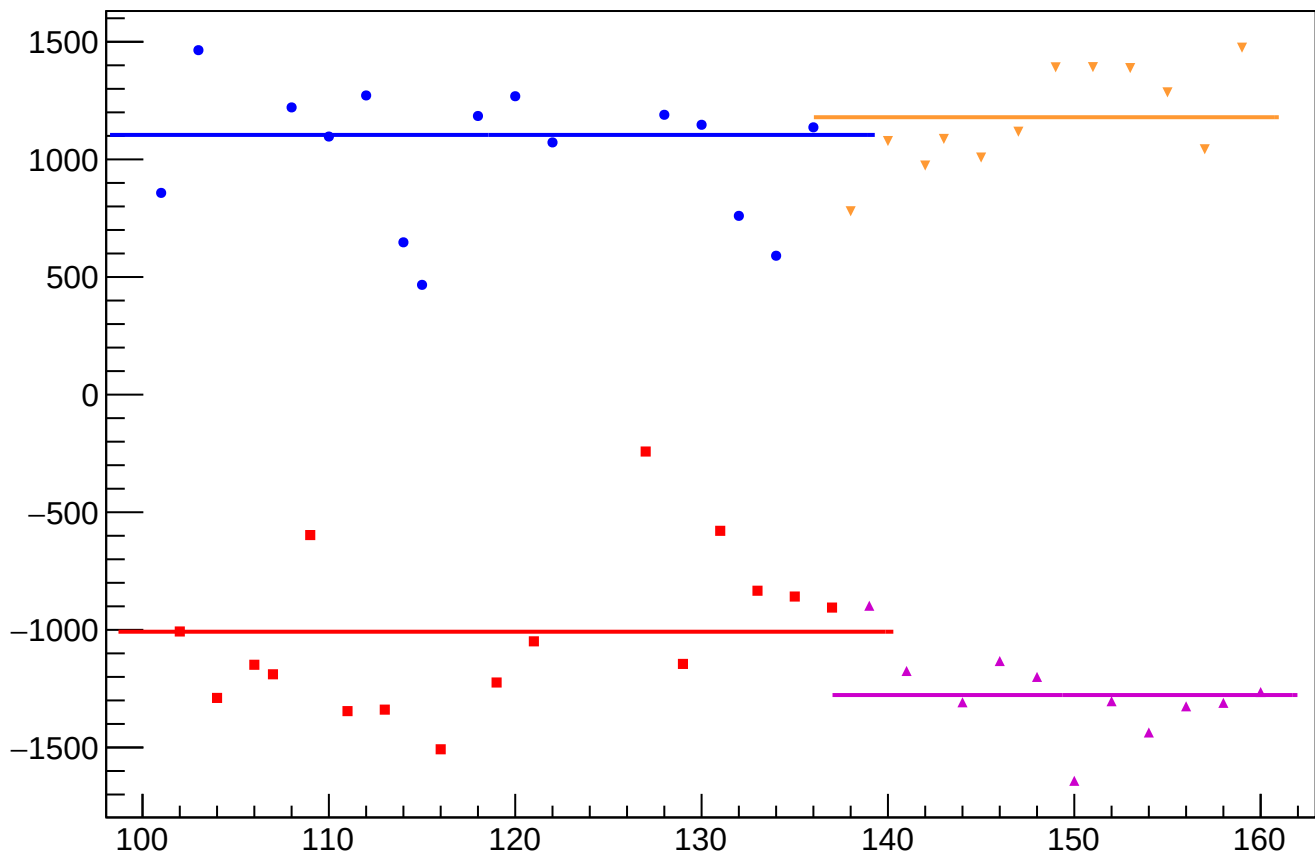
Right: -8.442+/-0.000 χ^2/NDF : 1636587396882894

In: -83.027+/-0.000 χ^2/NDF : 13454995318402178

Out: 51.744+/-0.000 χ^2/NDF : 13419429235658595

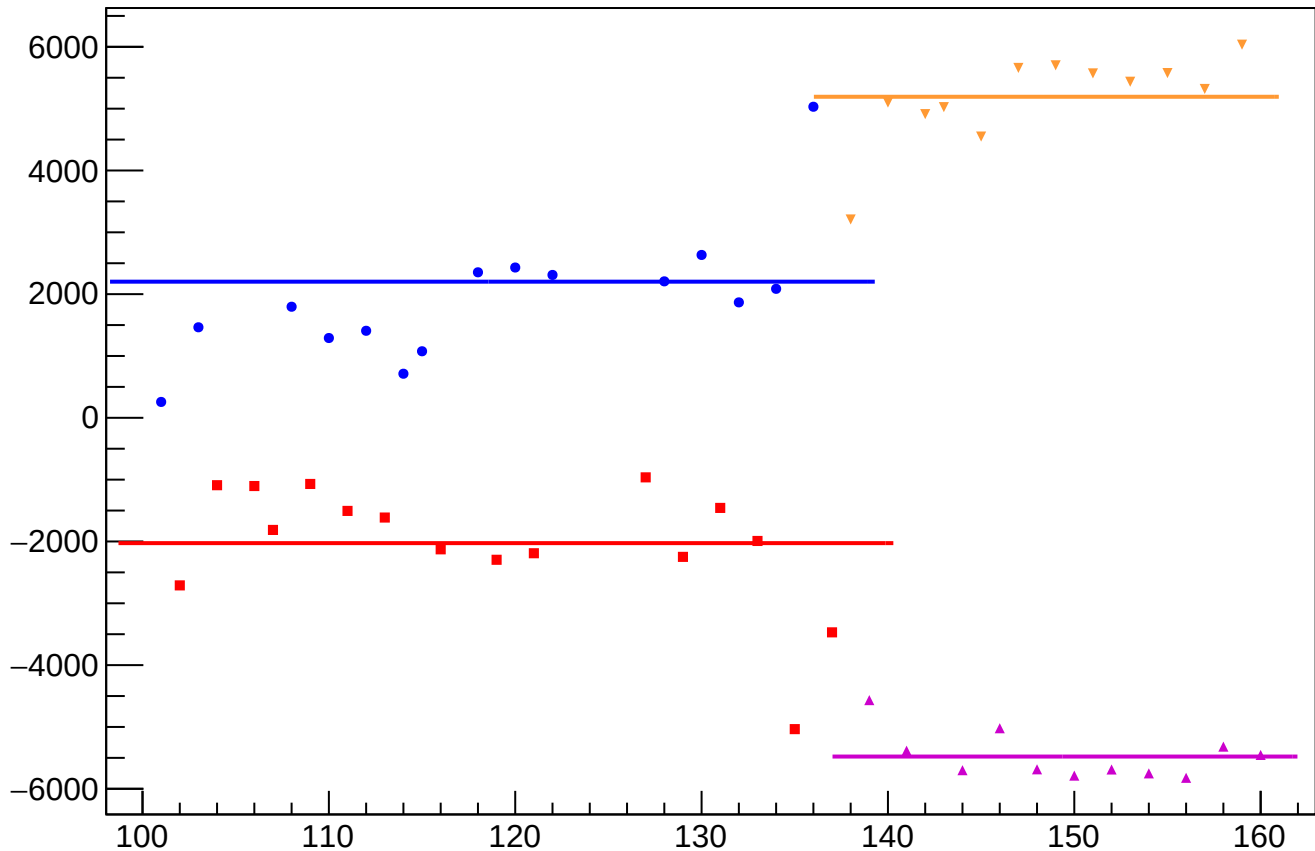
All: -15.471+/-0.000 χ^2/NDF : 270176391125

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atr1_coil3_mean vs Slug, Sign Corrected



Right In: 2201.844+/-0.000

χ^2/NDF : 1086544775216266395419904724422998622208.0/14

Left Out: 5192.476+/-0.000

χ^2/NDF : 470317118435532937200148346508624789504.0/11

Right Out: -2026.969+/-0.000

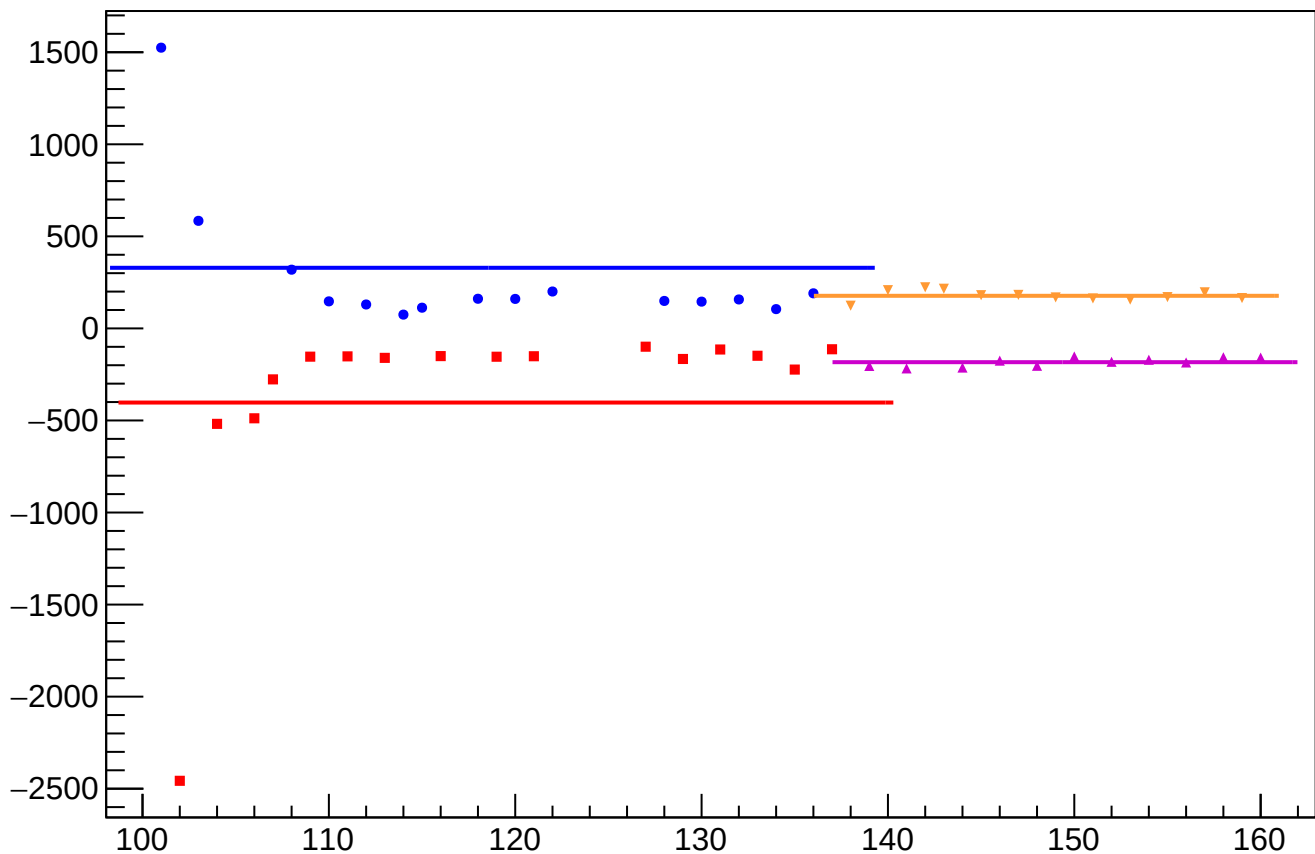
χ^2/NDF : 708626456603410705124518299956645199872.0/15

Left In: -5478.713+/-0.000

χ^2/NDF : 124186054771424011873849346802583601152.0/10

Left: -172.148+/-0.000 χ^2/NDF : 529181779614152
 Right: 58.517+/-0.000 χ^2/NDF : 7677530711207331
 In: -2309.812+/-0.000 χ^2/NDF : 236998936360445
 Out: 2146.701+/-0.000 χ^2/NDF : 212767096674295
 All: -75.903+/-0.000 χ^2/NDF : 606365125250

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229+/-0.000

χ^2/NDF : 103285029091922742033837903437132464128.0/14

Left Out: 177.101+/-0.000

χ^2/NDF : 604256347376555065664943941601984512.0/11

Right Out: -402.690+/-0.000

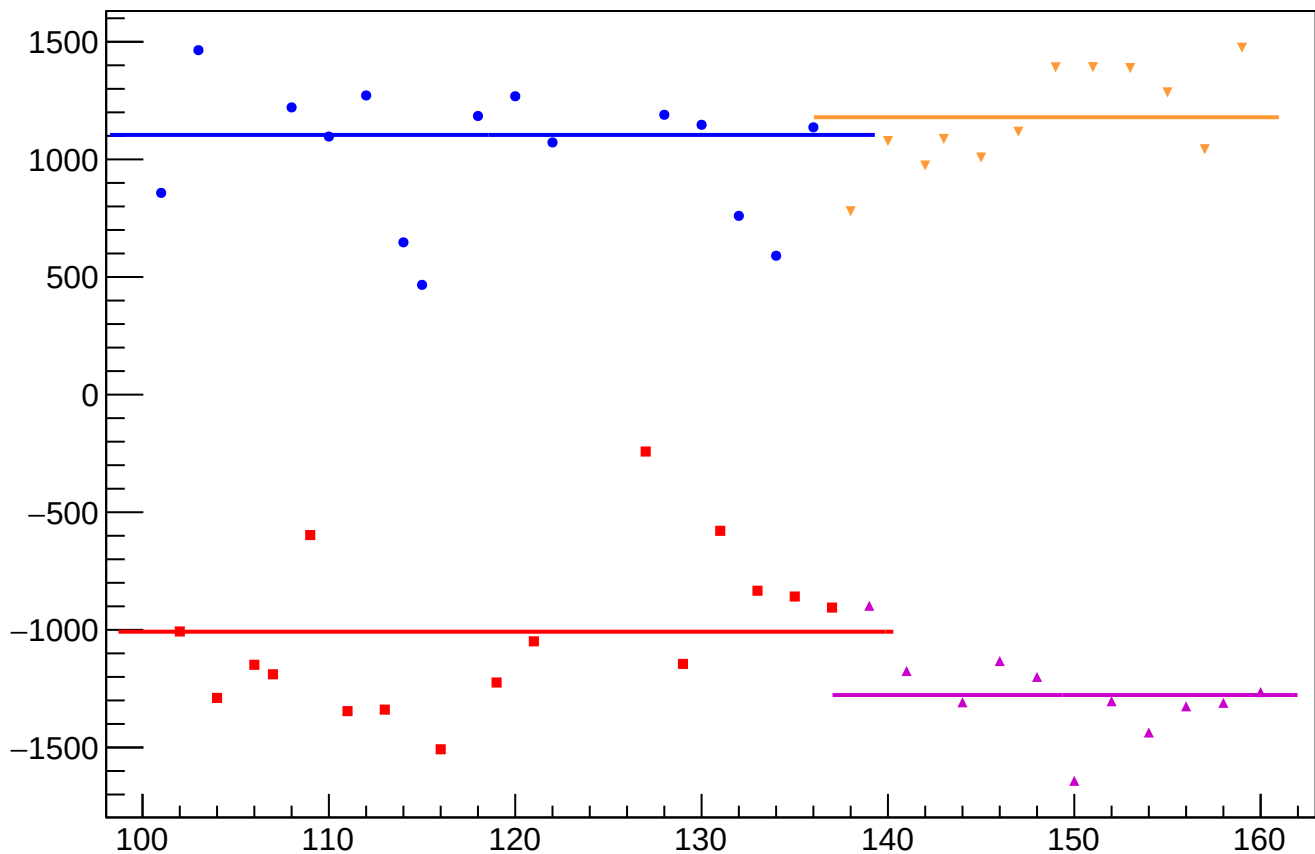
χ^2/NDF : 277636056793293374242116053515003494400.0/15

Left In: -183.411+/-0.000

χ^2/NDF : 452789814018275751637875535657304064.0/10

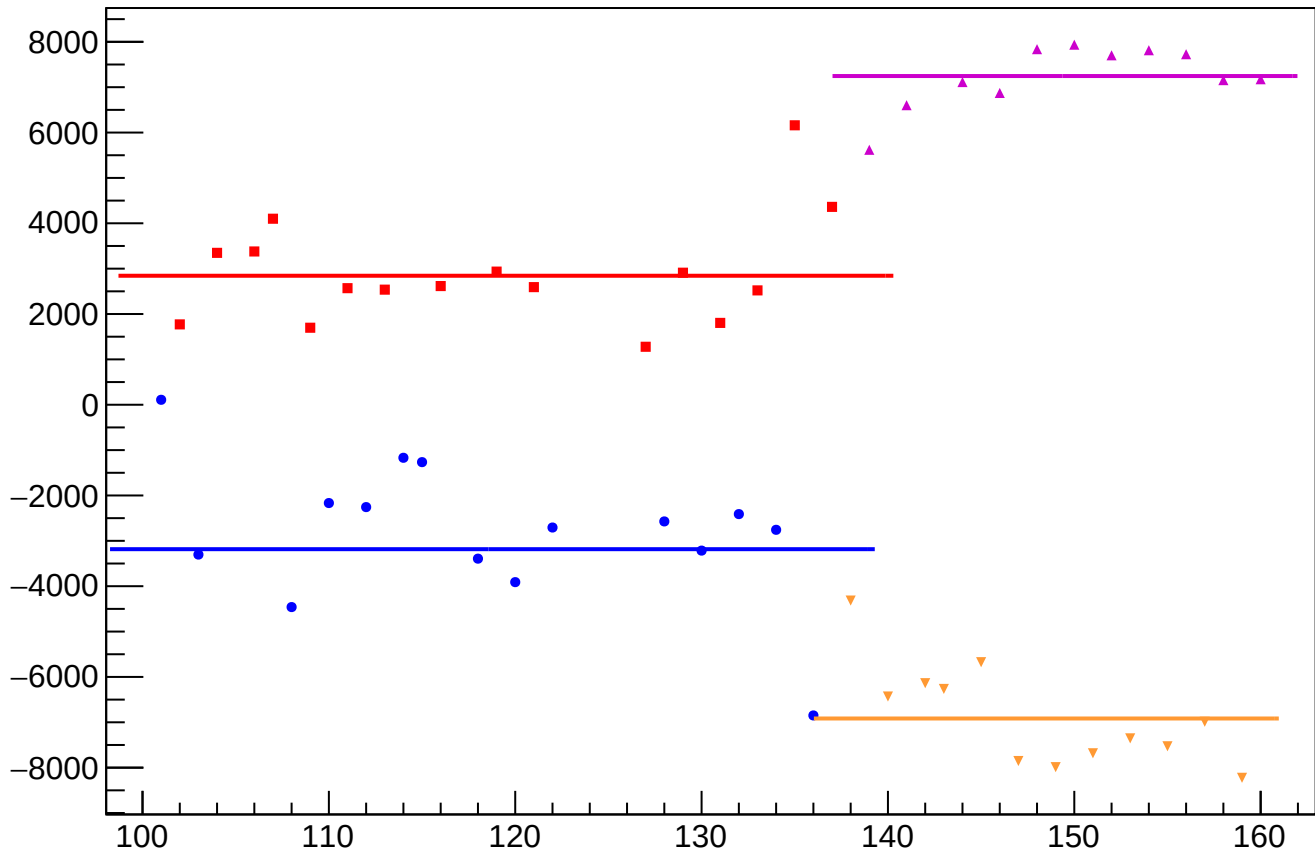
All: -19.824+/-0.000 χ^2/NDF : 618995356861

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000		χ^2/NDF : 441608022845

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6916.269+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1116807093678978049721043579861444067328.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.352+/-0.000 χ^2/NDF : 9367664182142015

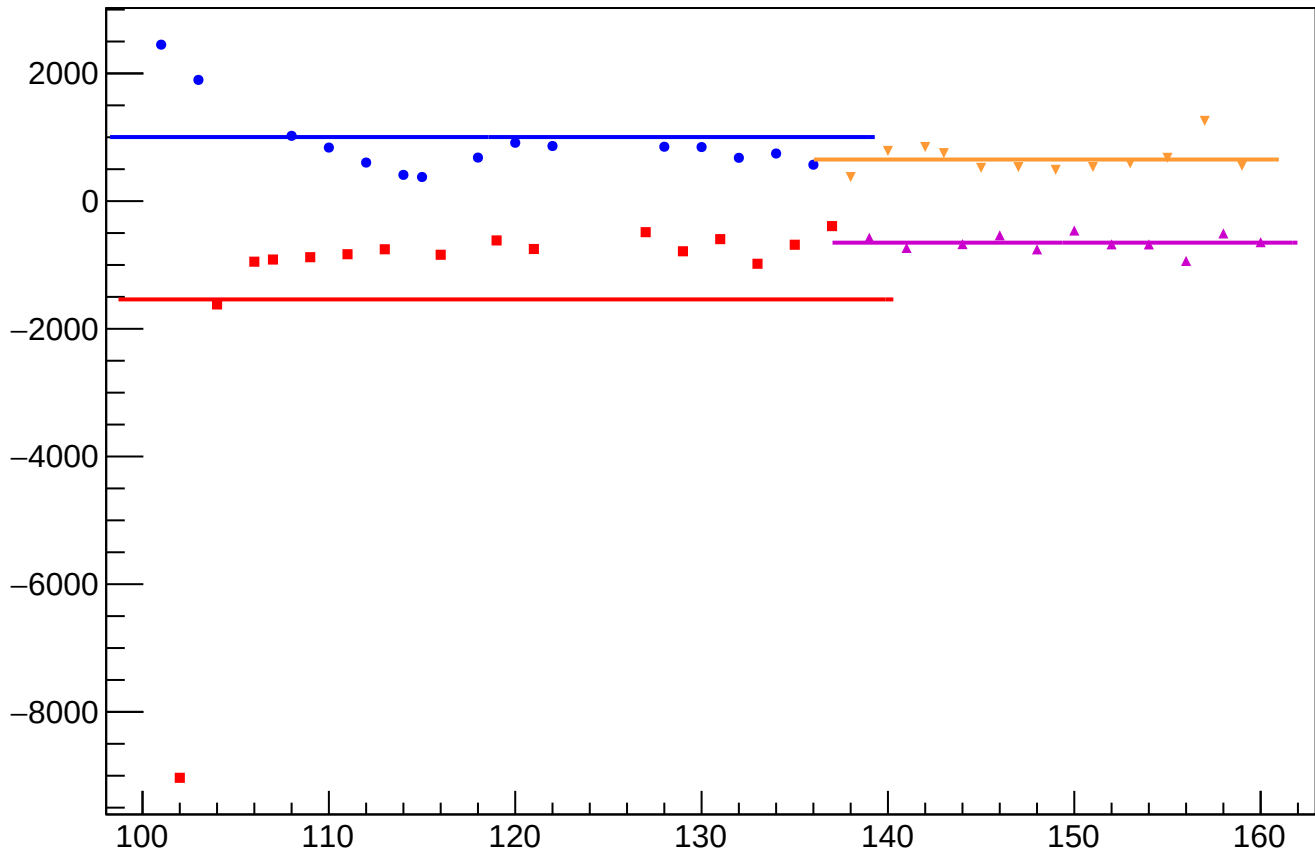
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 440076230139336

Out: -2798.729+/-0.000 χ^2/NDF : 38794467171221

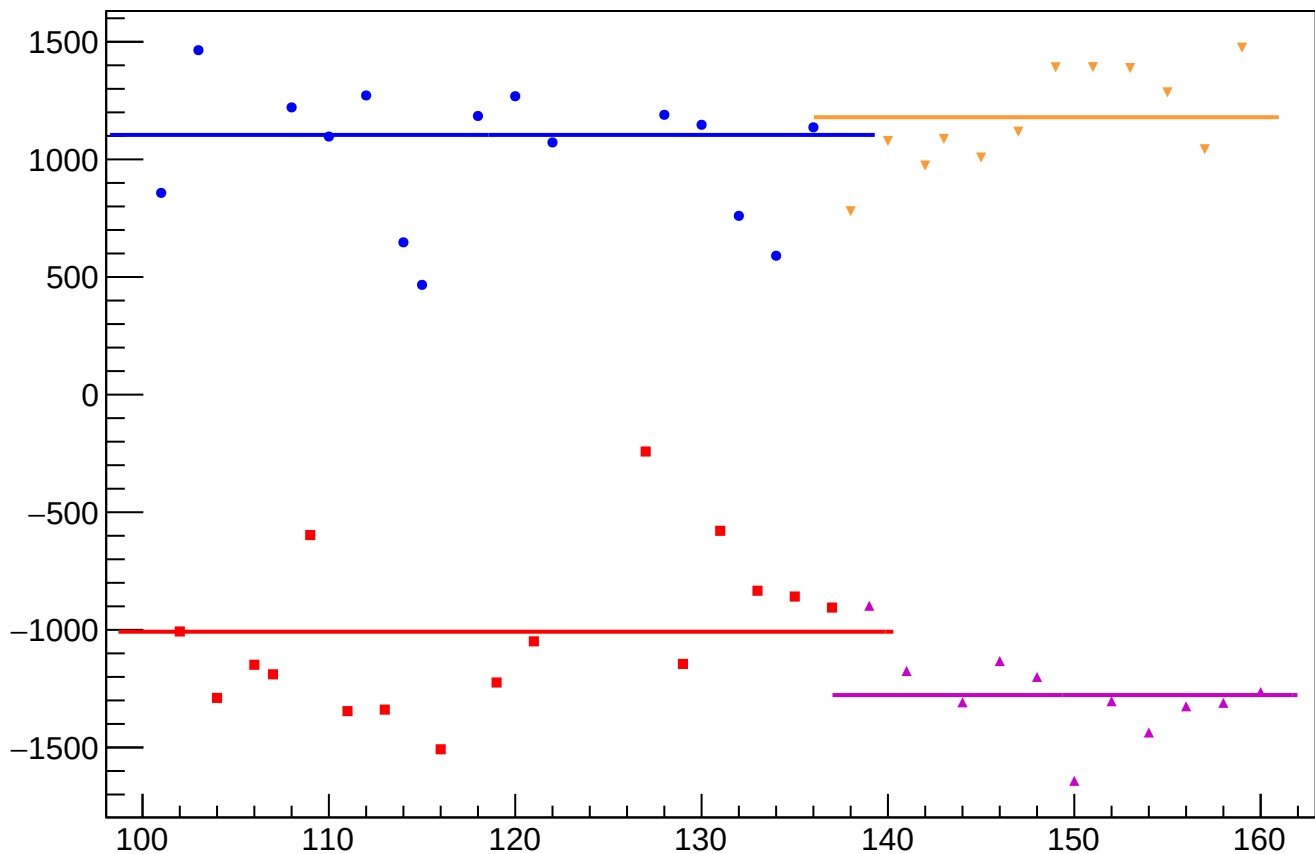
All: 64.702+/-0.000 χ^2/NDF : 1087940046919

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



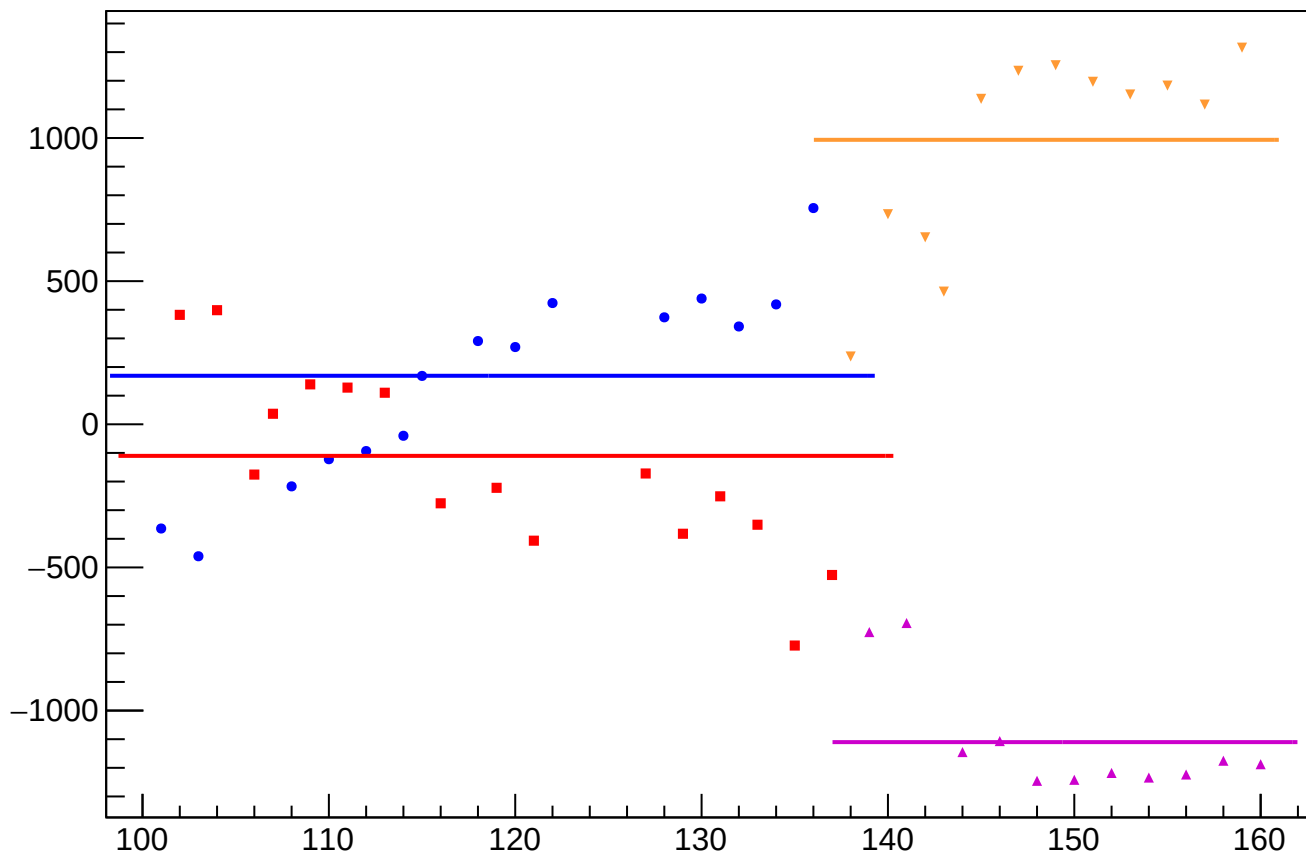
Left: -3.137 ± 0.000 $\chi^2/\text{NDF}: 83969979485831992$
 Right In: 1003.407 ± 0.000 $\chi^2/\text{NDF}: 219815257294811198811064619822196195328.0/14$
 Right: -285.472 ± 0.000 $\chi^2/\text{NDF}: 59617429830759$
 Left Out: 651.582 ± 0.000 $\chi^2/\text{NDF}: 45579416700188389340899783793497341952.0/11$
 In: 31.723 ± 0.000 $\chi^2/\text{NDF}: 127775317532397342$
 Right Out: -1539.568 ± 0.000 $\chi^2/\text{NDF}: 3614774785297482293145354574125437288448.0/15$
 Out: -272.831 ± 0.000 $\chi^2/\text{NDF}: 551168647234999$
 Left In: -650.769 ± 0.000 $\chi^2/\text{NDF}: 14776465774858799846922535858394365952.0/10$
 All: -120.940 ± 0.000 $\chi^2/\text{NDF}: 68625749232$

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489 +/- 0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 993.680 +/- 0.000

χ^2/NDF : 103871744093271862136270527542037839872.0/11

Right Out: -110.289 +/- 0.000

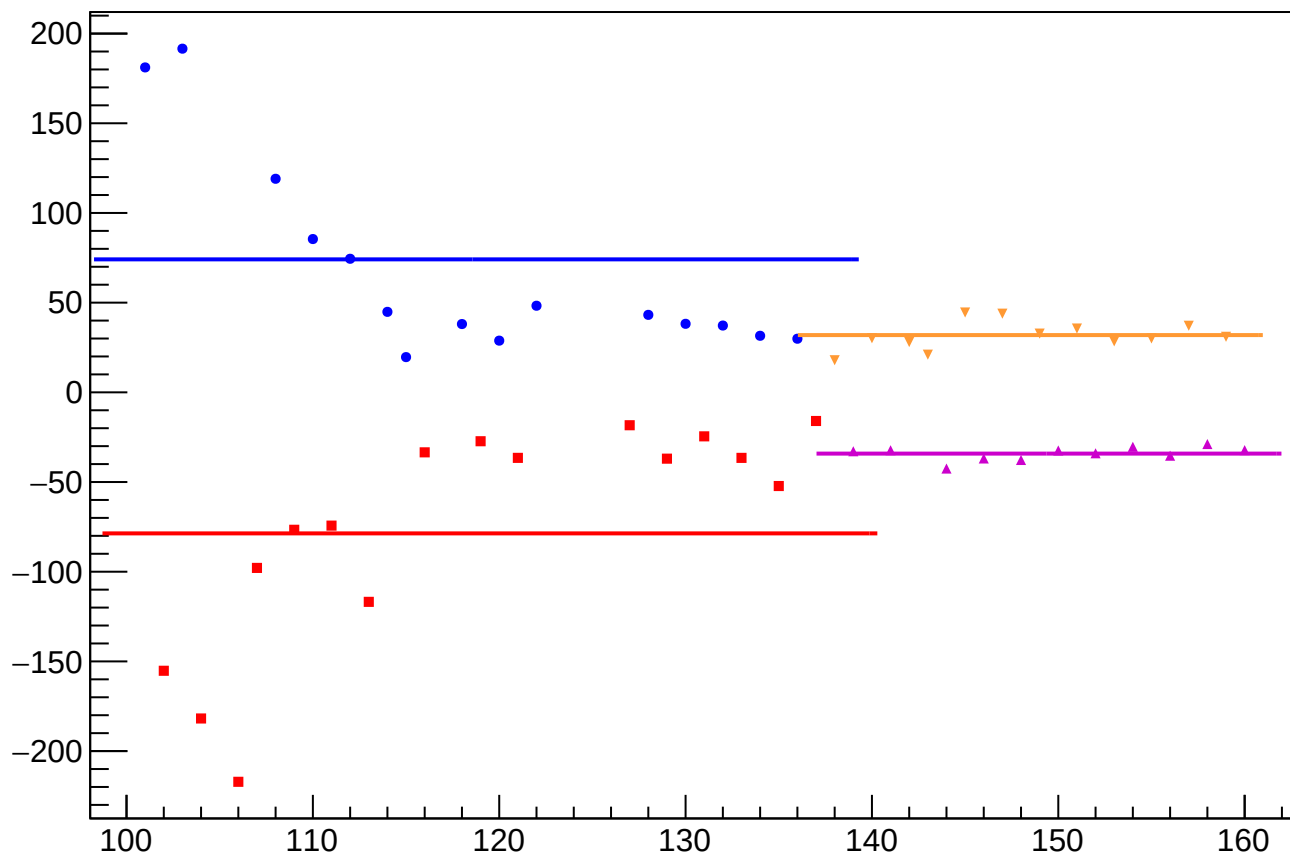
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1110.204 +/- 0.000

χ^2/NDF : 34078671675207101758695575343264169984.0/10

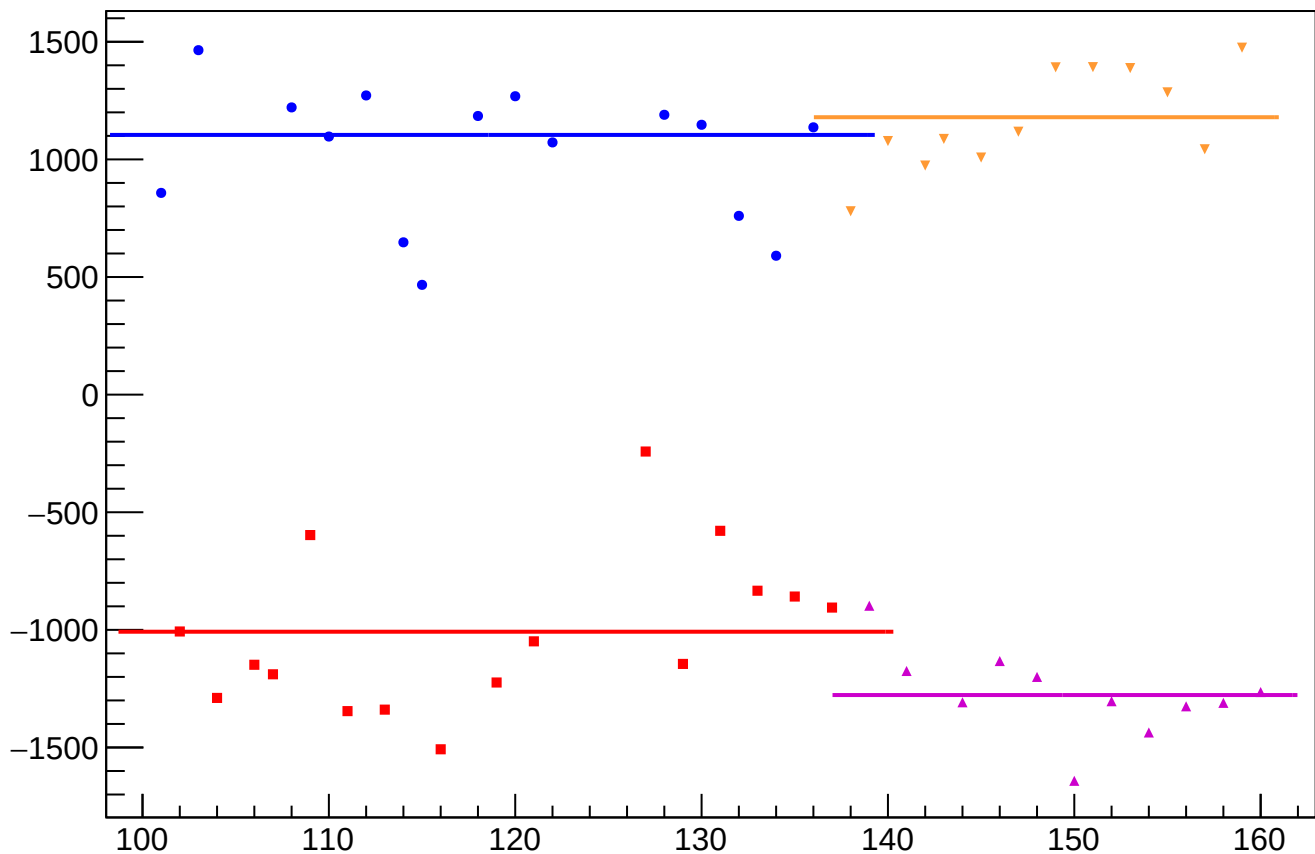
All: -25.735 +/- 0.000 χ^2/NDF : 237118807737

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



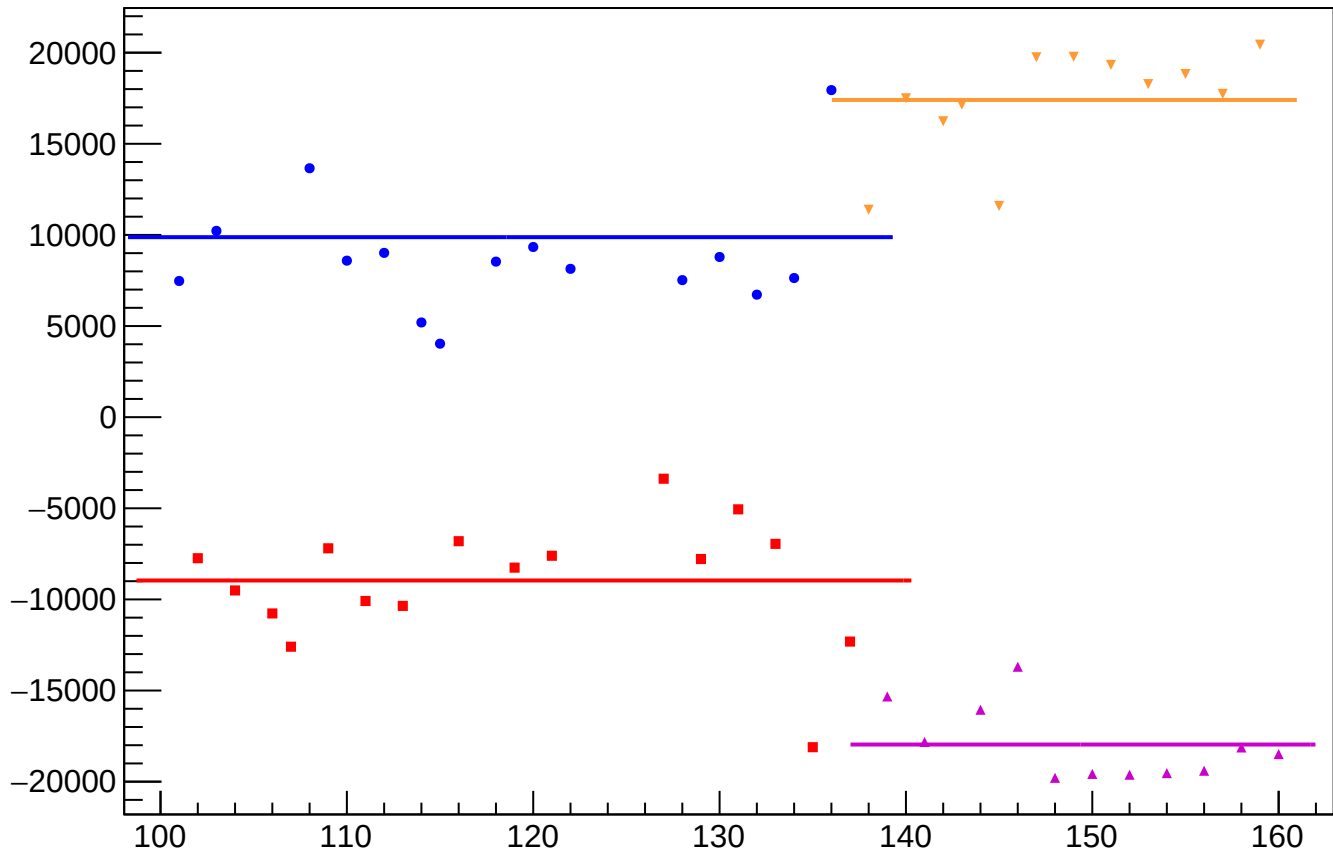
Right In: 74.129+/-0.000 χ^2/NDF : 2168375717401207322620658258081218560.0/14
 Left Out: 31.916+/-0.000 χ^2/NDF : 52391134971476446801164737802403840.0/11
 Right Out: -78.633+/-0.000 χ^2/NDF : 2343230336879830638767678903539466240.0/15
 Left In: -34.158+/-0.000 χ^2/NDF : 12535781757096828038064244290224128.0/10
 All: -2.134+/-0.000 χ^2/NDF : 1426173775487

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



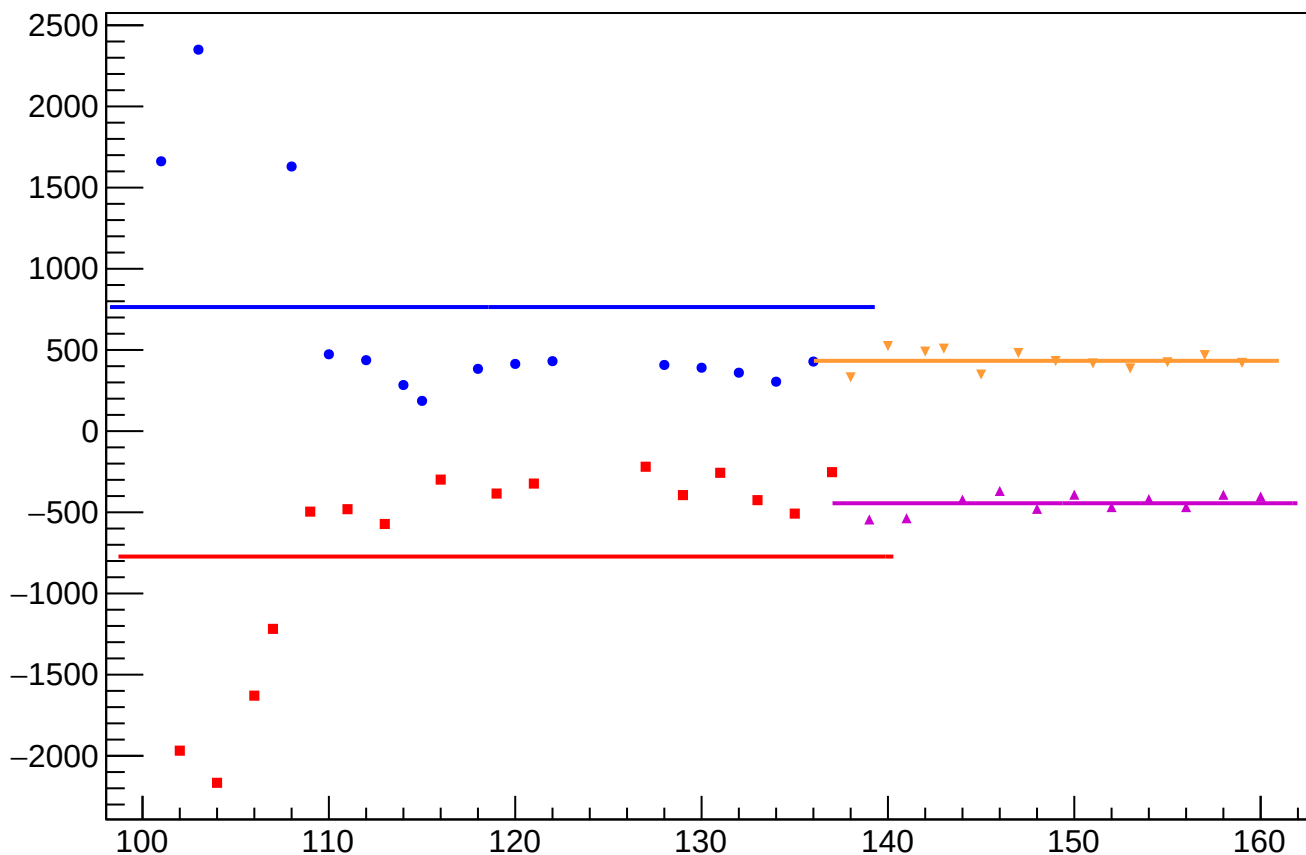
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam2_coil3_mean vs Slug, Sign Corrected



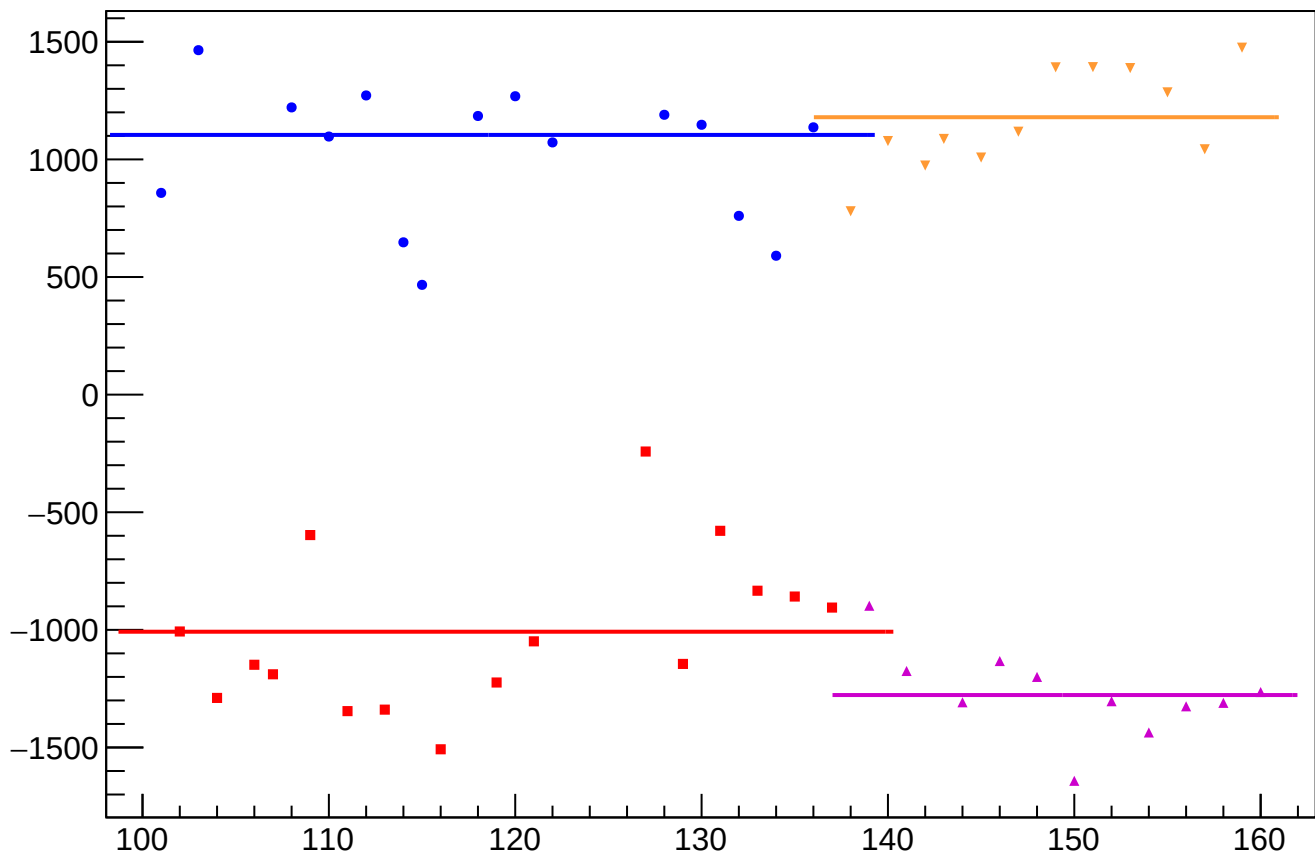
Right In: 9876.530 ± 0.000 $\chi^2/\text{NDF}: 8483360287053054122301651905797133697024.0/14$
 Left Out: 17405.049 ± 0.000 $\chi^2/\text{NDF}: 7689801671099378791544545422175664865280.0/11$
 Right Out: -8961.593 ± 0.000 $\chi^2/\text{NDF}: 7583728644146461427304320888408335450112.0/15$
 Left In: -17962.529 ± 0.000 $\chi^2/\text{NDF}: 3564698291142811133043344688261317525504.0/10$
 All: -81.381 ± 0.000 $\chi^2/\text{NDF}: 719188962323$

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 764.284+/-0.000 χ^2/NDF : 290964758058269480005067205020030599168.0/14
 Left Out: 433.079+/-0.000 χ^2/NDF : 3070370524438239159273190119476035584.0/11
 Right Out: -772.547+/-0.000 χ^2/NDF : 285902138904642401278625587631891677184.0/15
 Left In: -444.245+/-0.000 χ^2/NDF : 2906625839452991270105053894151241728.0/10
 All: -10.754+/-0.000 χ^2/NDF : 171344684046

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

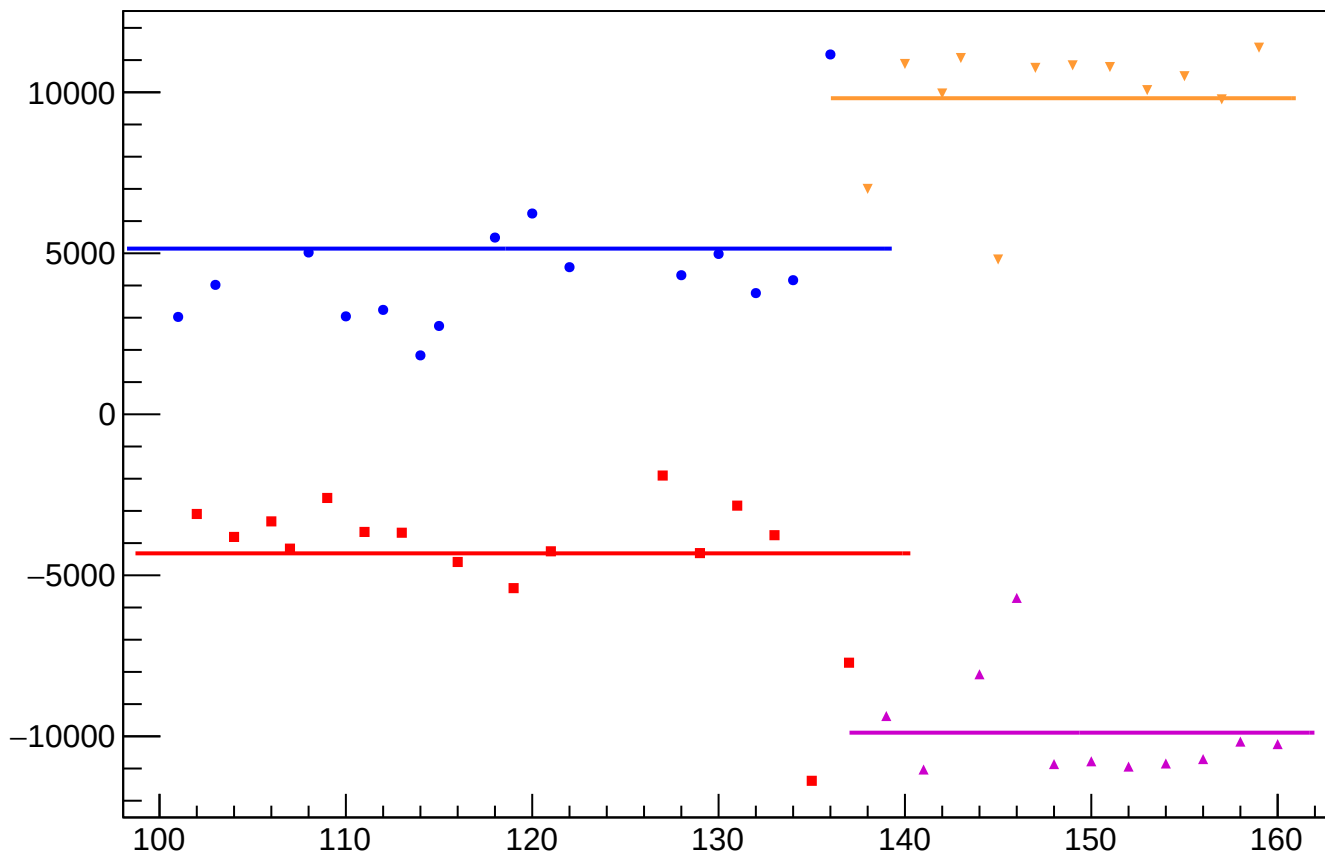
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

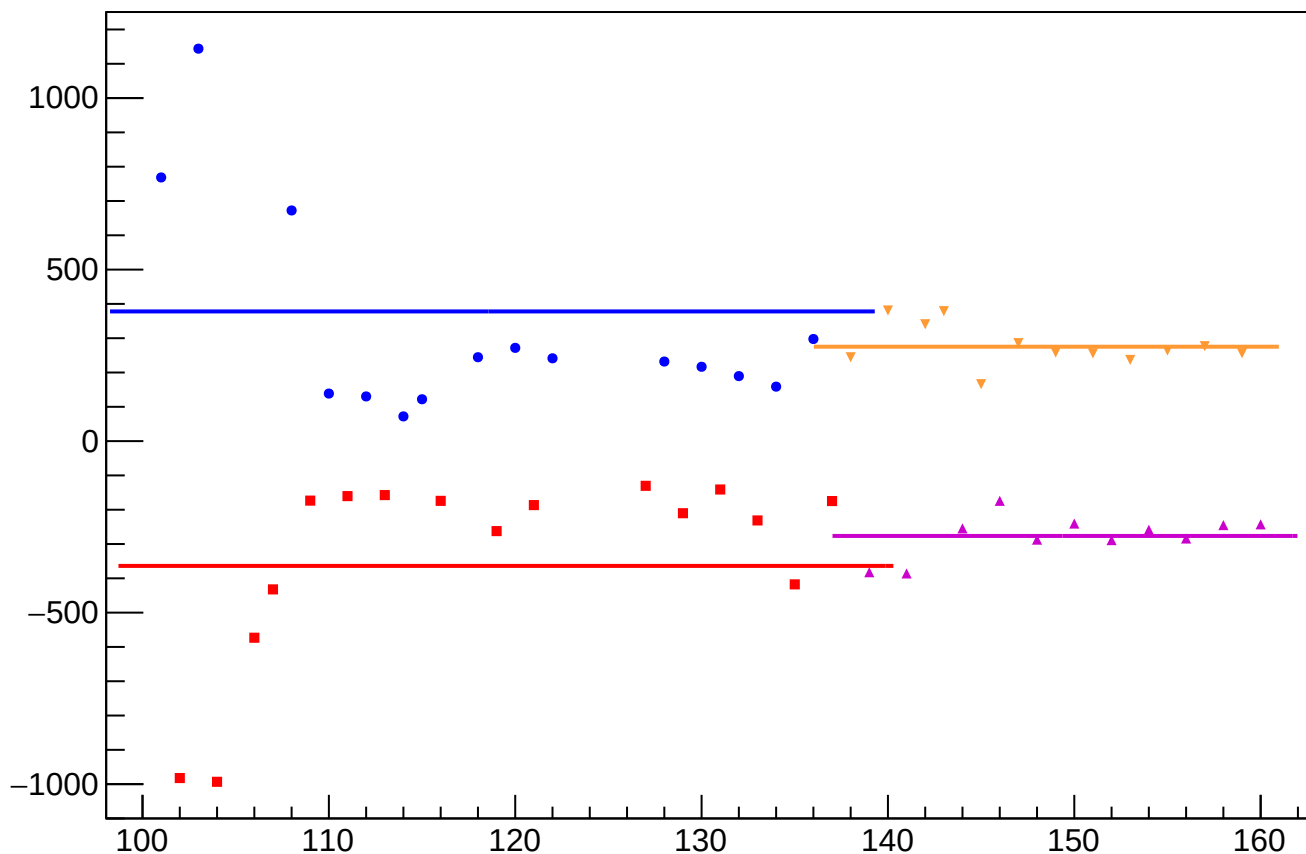
Left: -55.563+/-0.000 χ^2/NDF : 2840892210996509
 Right: 33.659+/-0.000 χ^2/NDF : 1569083056347410
 In: -294.641+/-0.000 χ^2/NDF : 2223953426306853
 Out: 256.572+/-0.000 χ^2/NDF : 1952554182211910
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam3_coil3_mean vs Slug, Sign Corrected



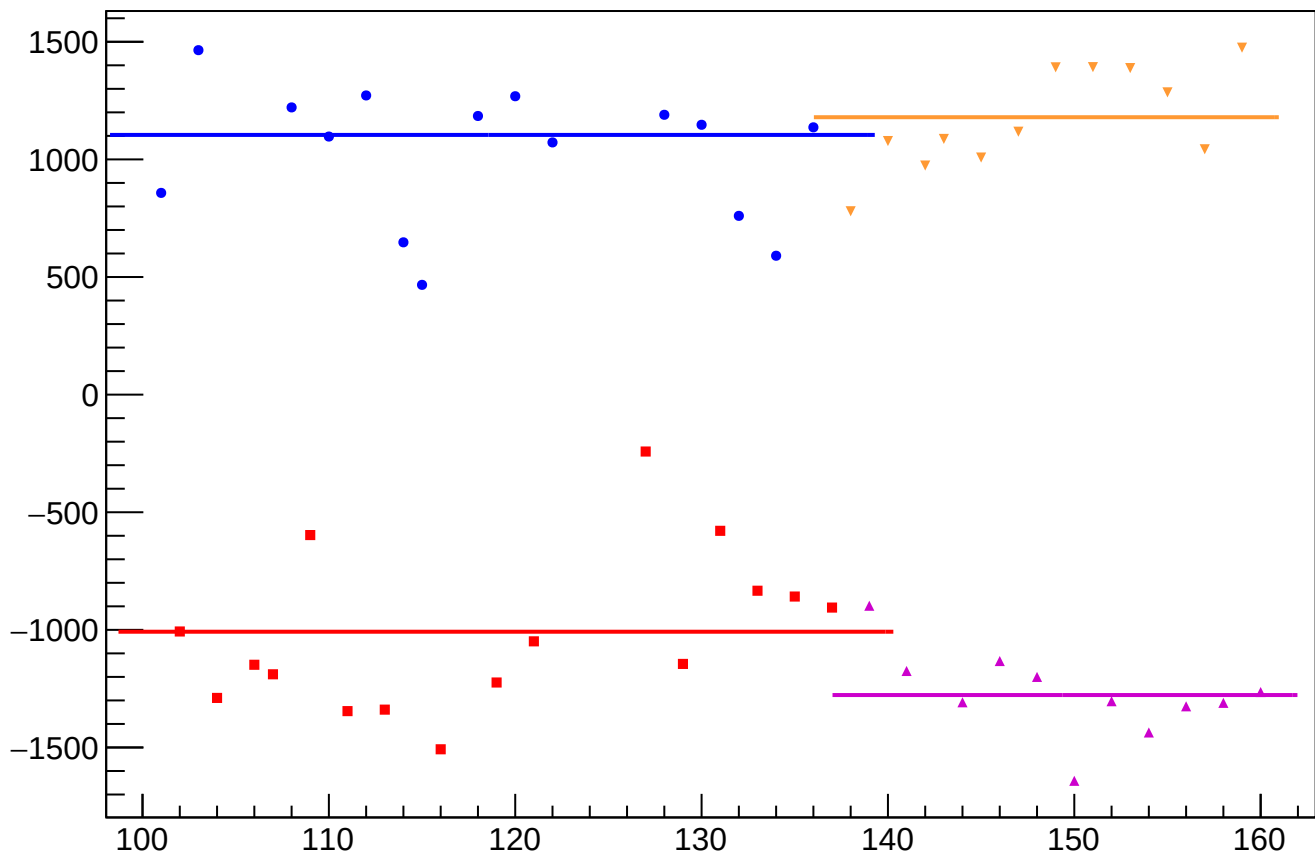
Right In: 5145.657+/-0.000 χ^2/NDF : 4272867262459372237810540195851662262272.0/14
 Left Out: 9815.736+/-0.000 χ^2/NDF : 3242126212507286714618316704208262266880.0/11
 Right Out: -4318.126+/-0.000 χ^2/NDF : 3345176554564755427312533888908526616576.0/15
 Left In: -9887.069+/-0.000 χ^2/NDF : 2278516780225824082632420288802127347712.0/10
 All: 93.618+/-0.000 χ^2/NDF : 2211196592737

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



Right In: 378.052 $\pm$ 0.000 χ^2 /NDF: 61516590022593053040860760861331947520.0/14
 Left Out: 275.181 $\pm$ 0.000 χ^2 /NDF: 3063973924838483752648023856495198208.0/11
 Right Out: -363.772 $\pm$ 0.000 χ^2 /NDF: 59031337484709801804181439342706688000.0/15
 Left In: -276.429 $\pm$ 0.000 χ^2 /NDF: 3176476969276554988209041450490396672.0/10
 All: -0.376 $\pm$ 0.000 χ^2 /NDF: 4476277184699

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

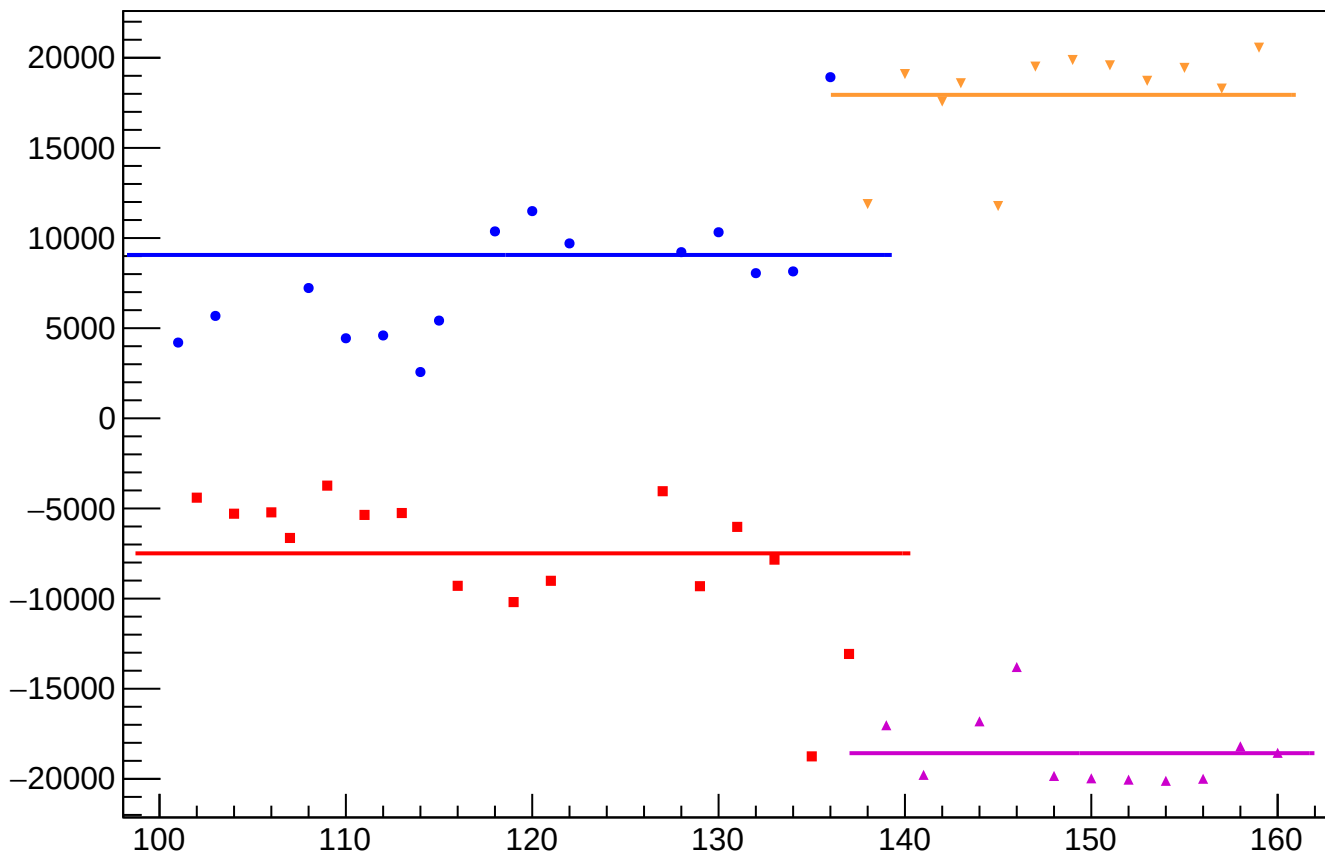
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

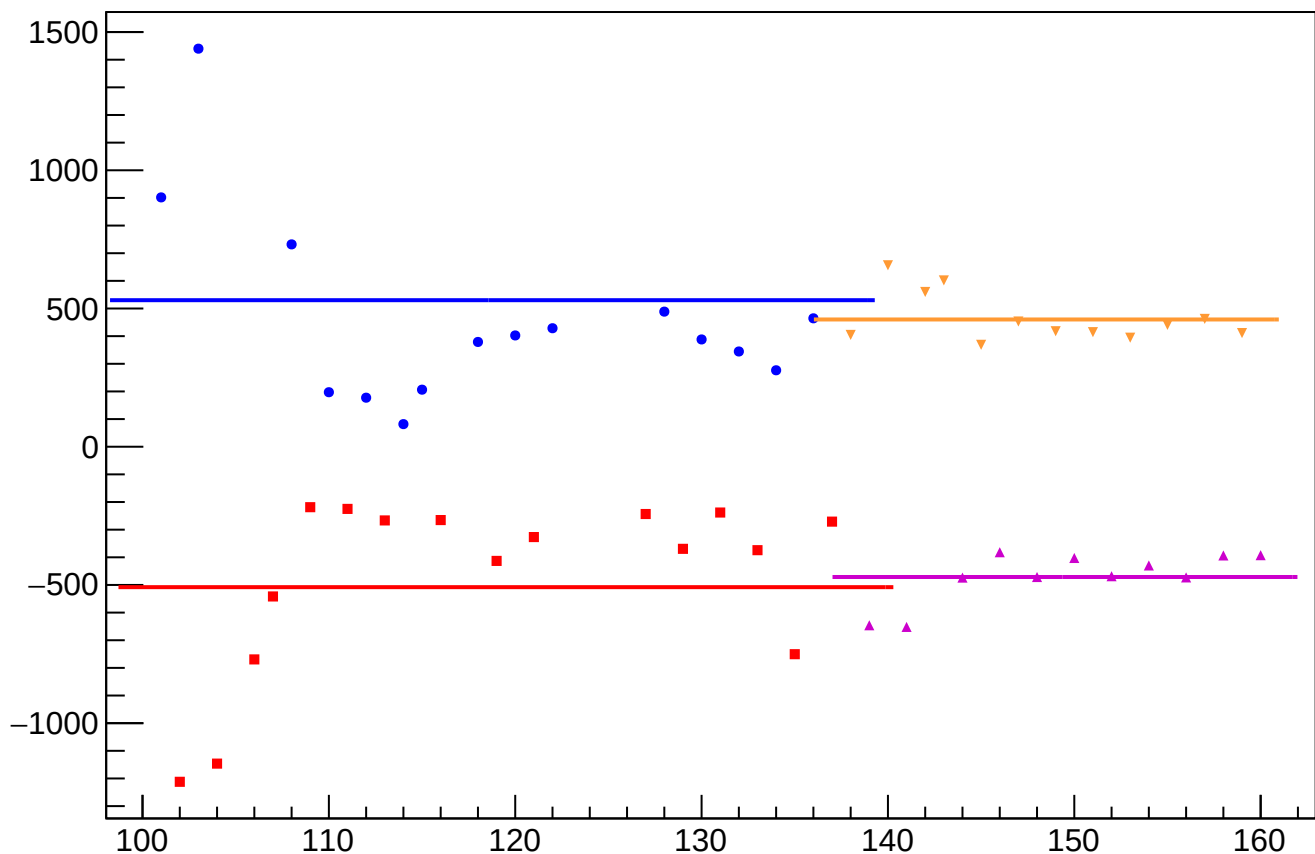
All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710 $\pm$ 0.000 χ^2 /NDF: 13621066943114354594159252409175431446528.0/14
 Left Out: 17943.531 $\pm$ 0.000 χ^2 /NDF: 7473617733274816603280469921274378846208.0/11
 Right Out: -7490.147 $\pm$ 0.000 χ^2 /NDF: 10108202124204139932285006457388239159296.0/15
 Left In: -18574.874 $\pm$ 0.000 χ^2 /NDF: 3371752936319538414648384836142763081728.0/10
 All: 38.990 $\pm$ 0.000 χ^2 /NDF: 7383790559071

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



Right In: 530.057+/-0.000

χ^2/NDF : 78754676063063255524046471751880671232.0/14

Left Out: 460.312+/-0.000

χ^2/NDF : 6754606428371283053517529701630869504.0/11

Right Out: -507.987+/-0.000

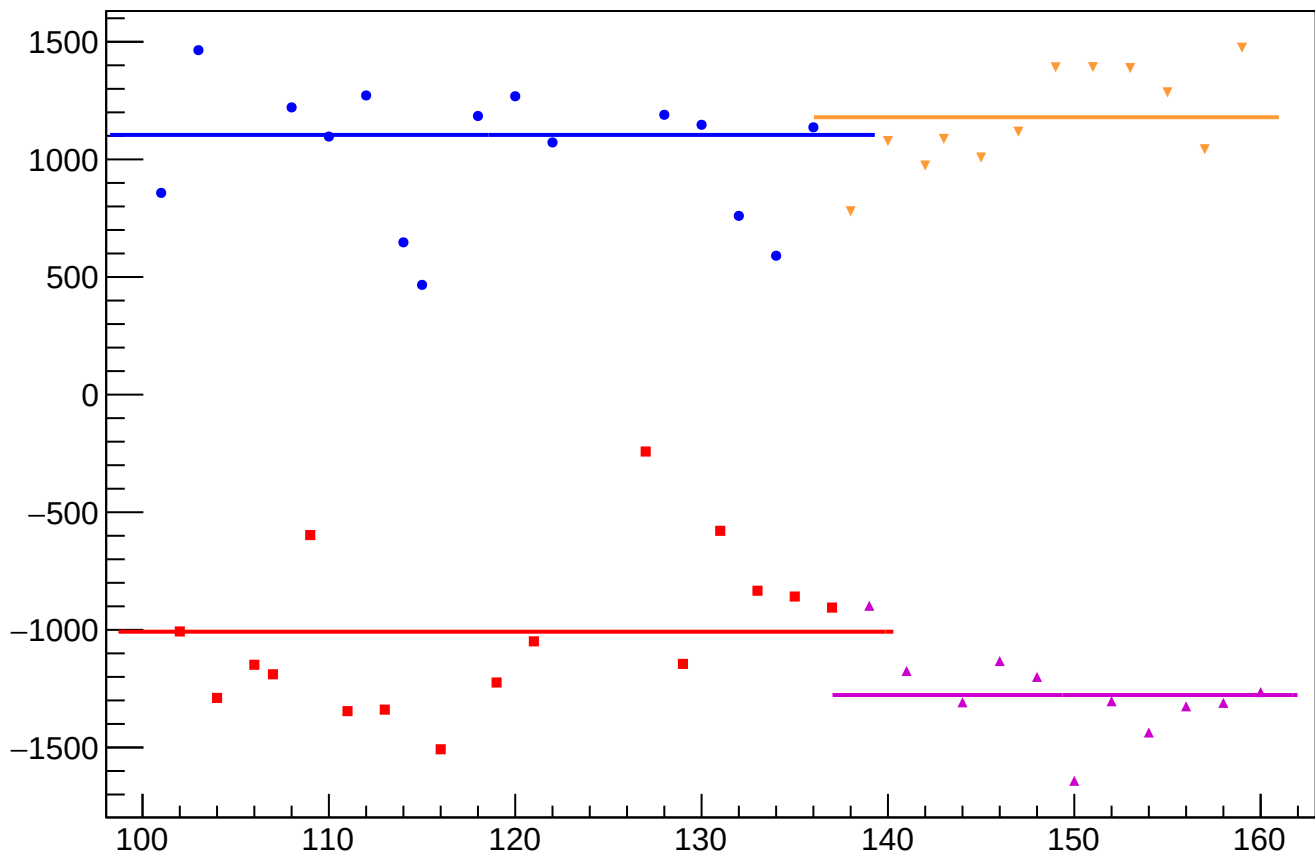
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -471.219+/-0.000

χ^2/NDF : 7445973219160336257467772011051745280.0/10

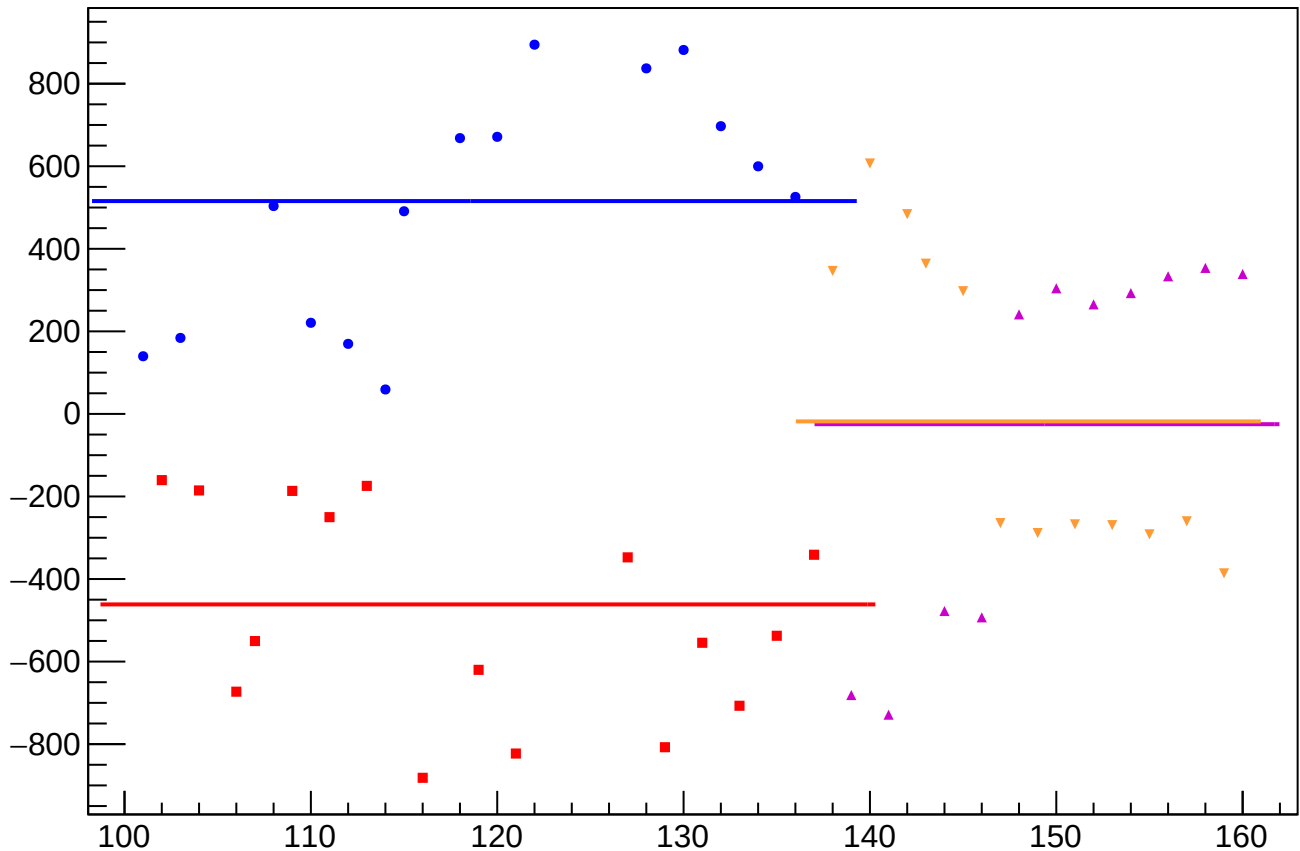
Left: -7.988+/-0.000 χ^2/NDF : 41292053384474531
 Right: 3.936+/-0.000 χ^2/NDF : 50988723963729126
 In: -58.105+/-0.000 χ^2/NDF : 46840539671479809
 Out: 51.802+/-0.000 χ^2/NDF : 44498677720954542
 All: -3.012+/-0.000 χ^2/NDF : 9229168077860

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 +/- 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 +/- 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 +/- 0.000 χ^2/NDF : 441608022845

dit_sam5_coil3_mean vs Slug, Sign Corrected



Right In: 515.635+/-0.000

χ^2/NDF : 48465403420573957292673062371162324992.0/14

Left Out: -18.146+/-0.000

χ^2/NDF : 114014627327363890146179797072763420672.0/11

Right Out: -461.497+/-0.000

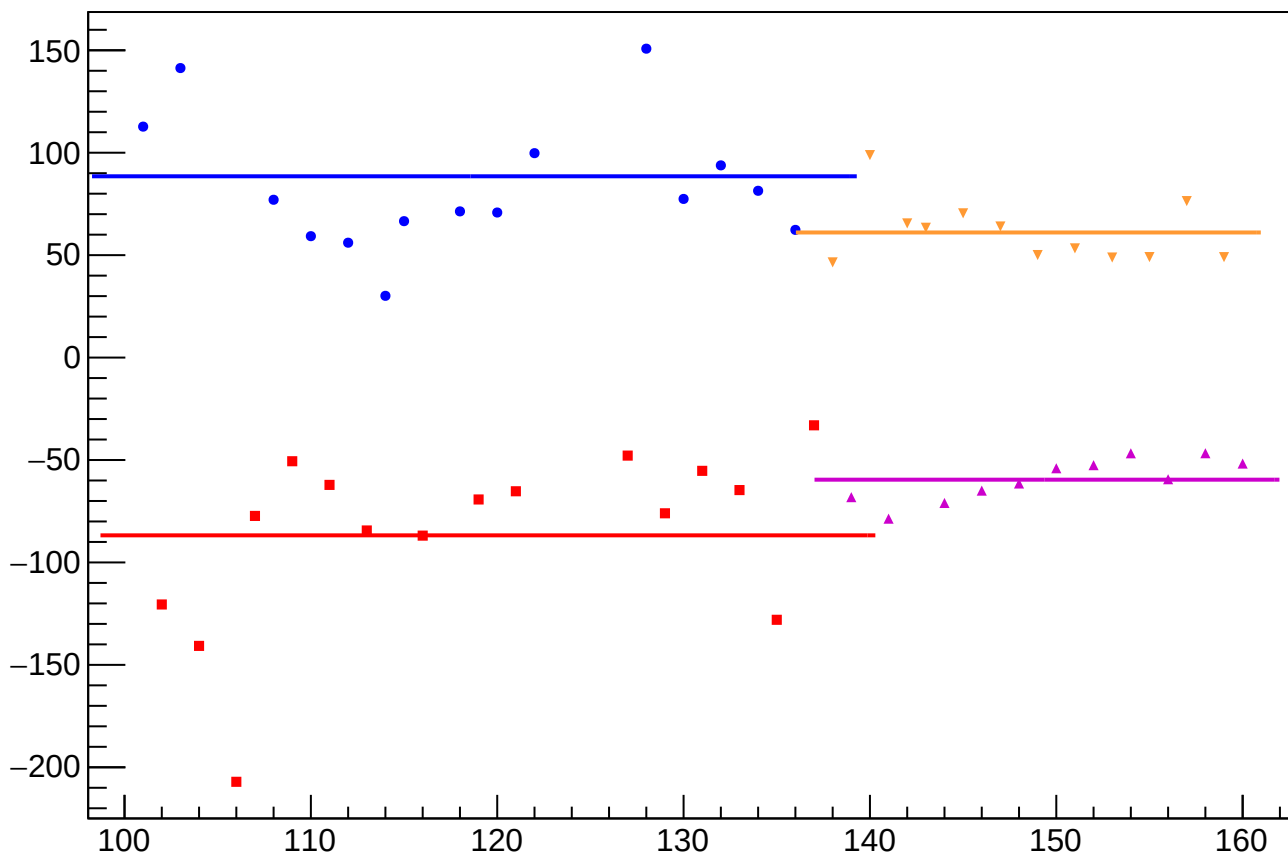
χ^2/NDF : 40473746660091355928063306884368564224.0/15

Left In: -24.898+/-0.000

χ^2/NDF : 177170083146066340419686697250307702784.0/10

All: -4.046+/-0.000 χ^2/NDF : 6955593653745

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493+/-0.000

χ^2/NDF : 643231155193035512625817963208900608.0/14

Left Out: 61.067+/-0.000

χ^2/NDF : 211507080213048507647331077961285632.0/11

Right Out: -86.773+/-0.000

χ^2/NDF : 1059206766314086021240525003228708864.0/15

Left In: -59.604+/-0.000

χ^2/NDF : 90862625181985664375323463168032768.0/10

Left: 0.403+/-0.000 χ^2/NDF : 699320951326261037

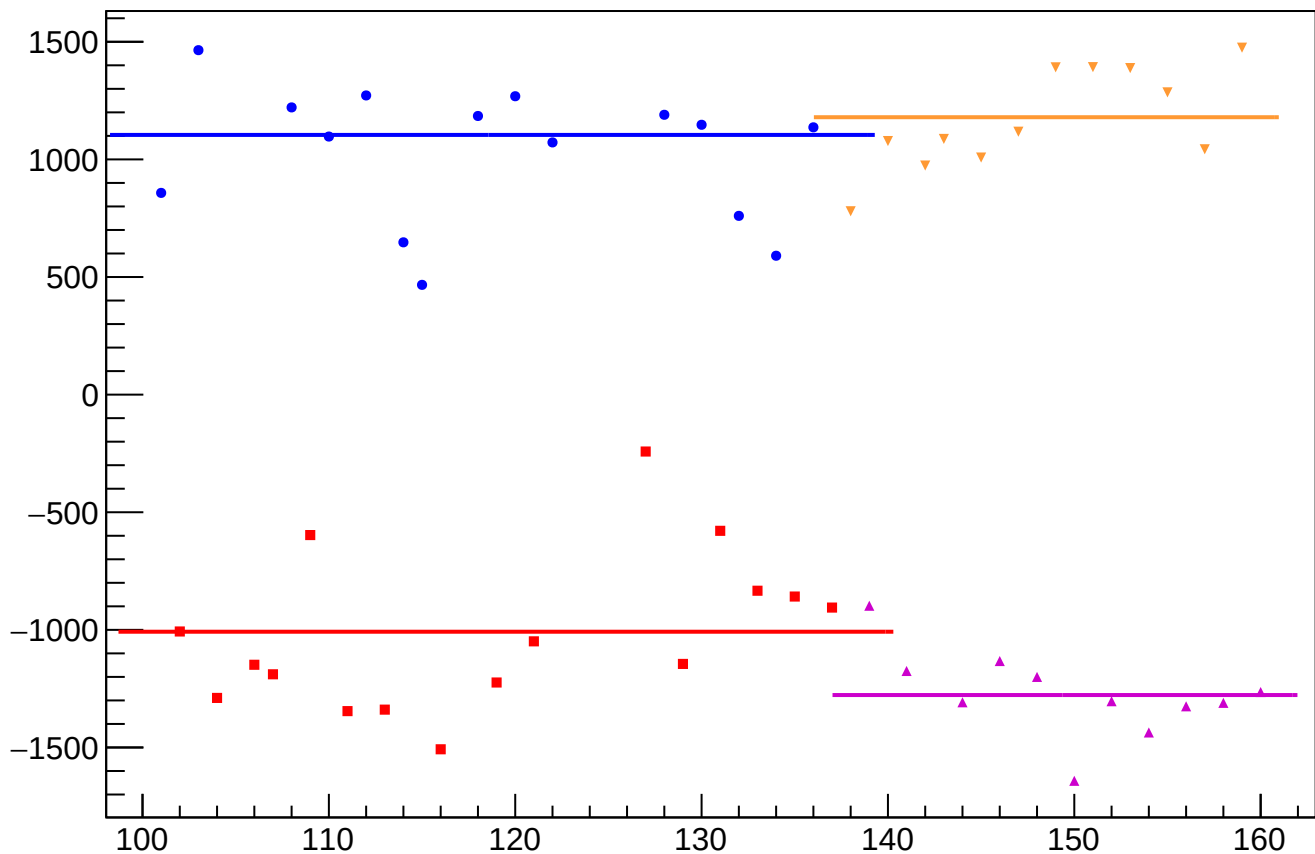
Right: -0.339+/-0.000 χ^2/NDF : 1180687368969666

In: 1.499+/-0.000 χ^2/NDF : 9095552932687624023

Out: -1.305+/-0.000 χ^2/NDF : 96987555251915958

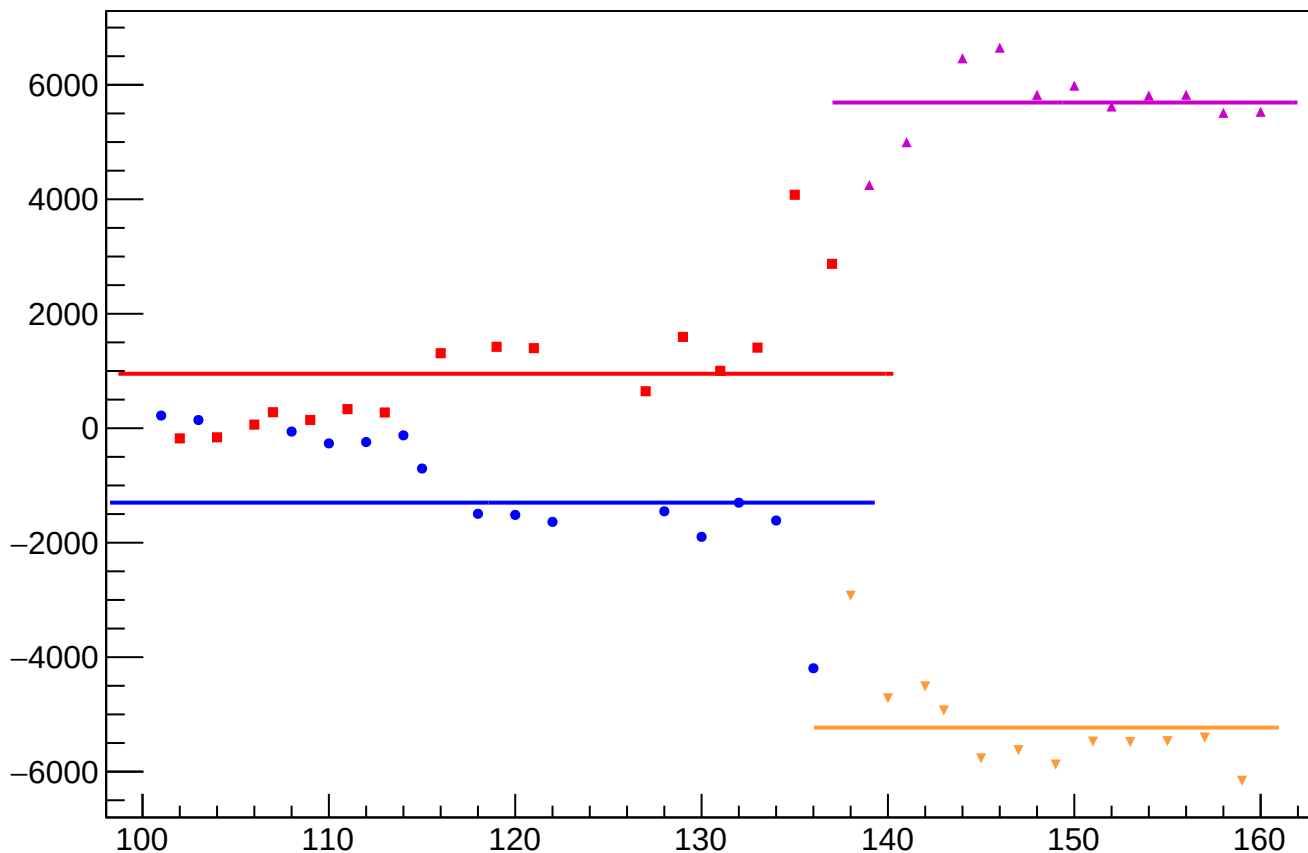
All: 0.094+/-0.000 χ^2/NDF : 18800505371841

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5230.164+/-0.000

Right Out: 951.903+/-0.000

Left In: 5690.941+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 621337546754048275745011650527081005056.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 35577462072294886968040460749891436544.0/10

Left: 260.098+/-0.000 χ^2/NDF : 557802924557142

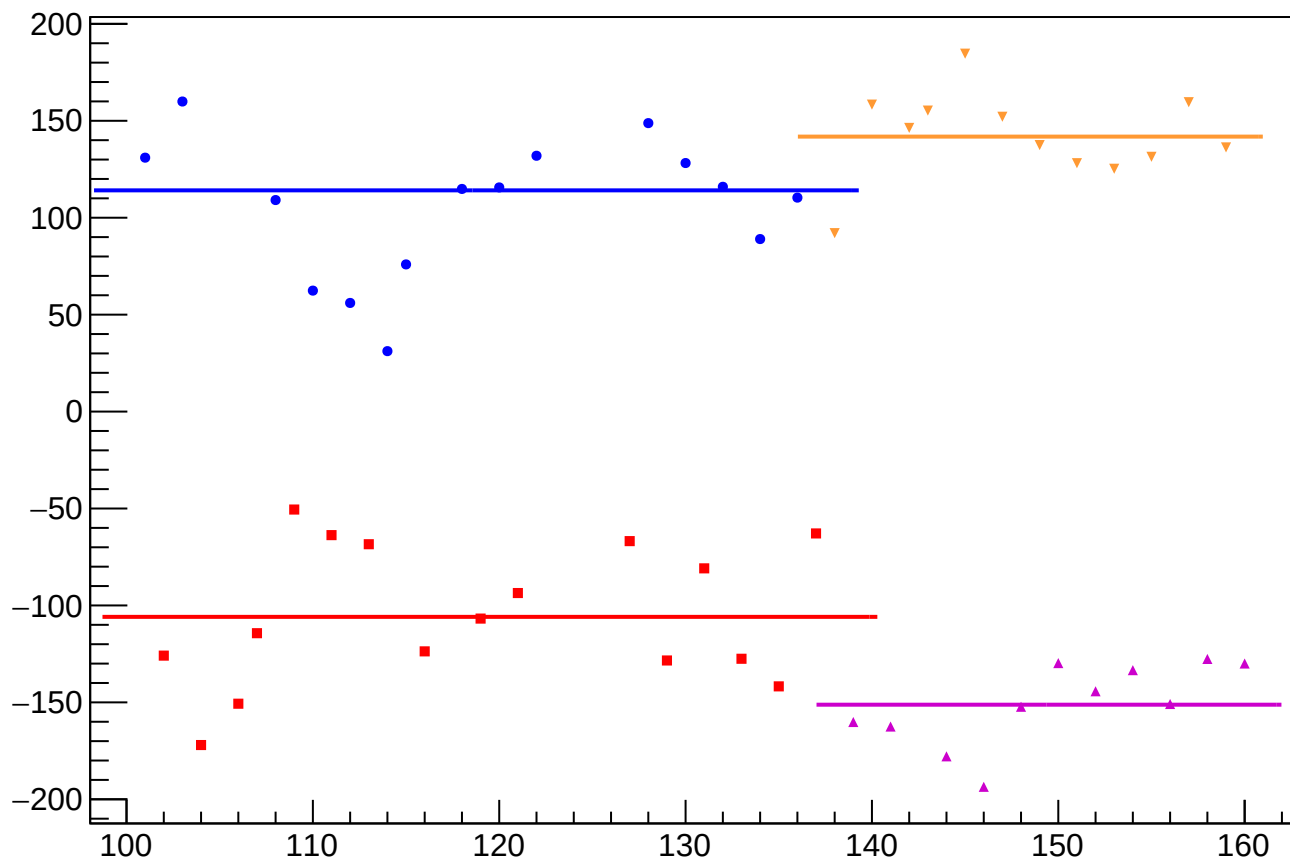
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2622.043+/-0.000 χ^2/NDF : 16199599941303

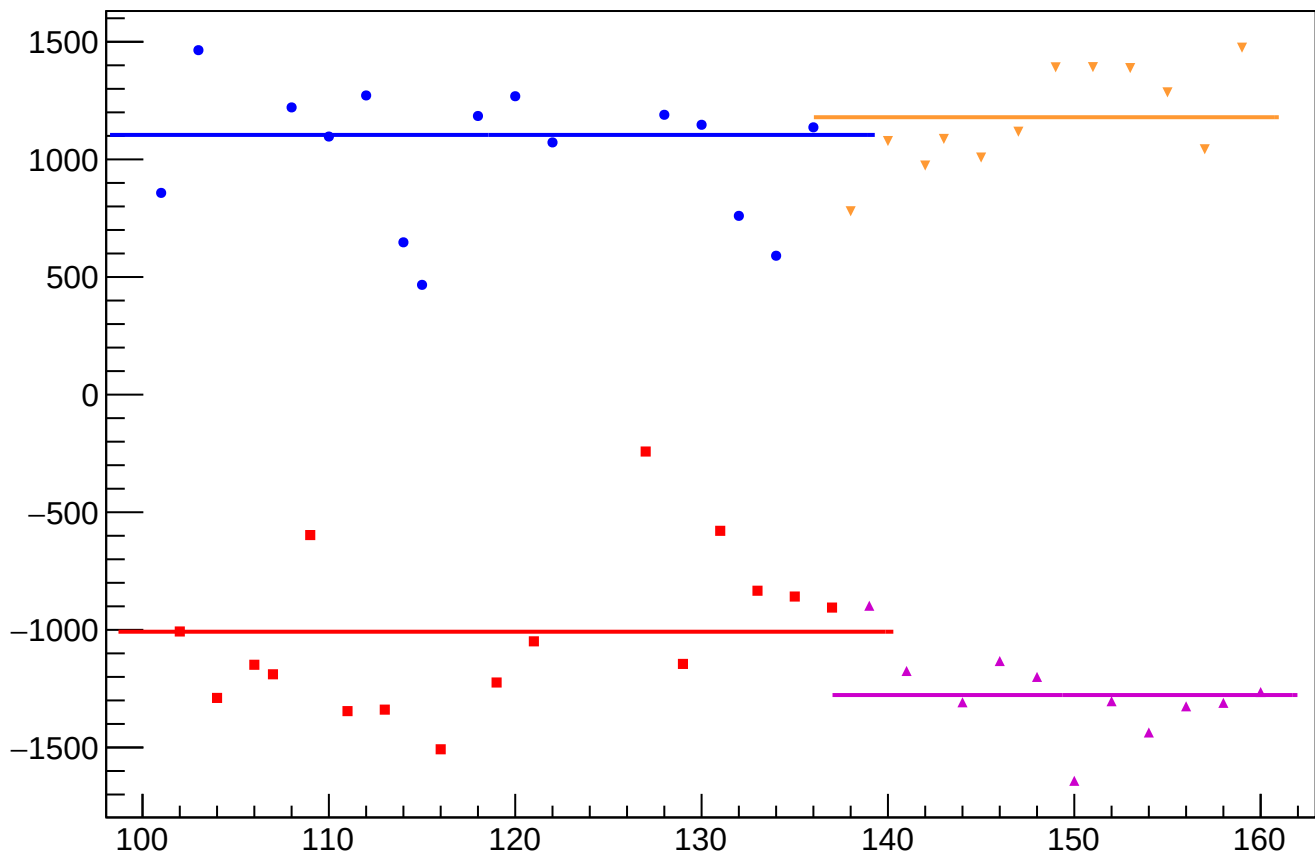
All: 85.397+/-0.000 χ^2/NDF : 5962362698239

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



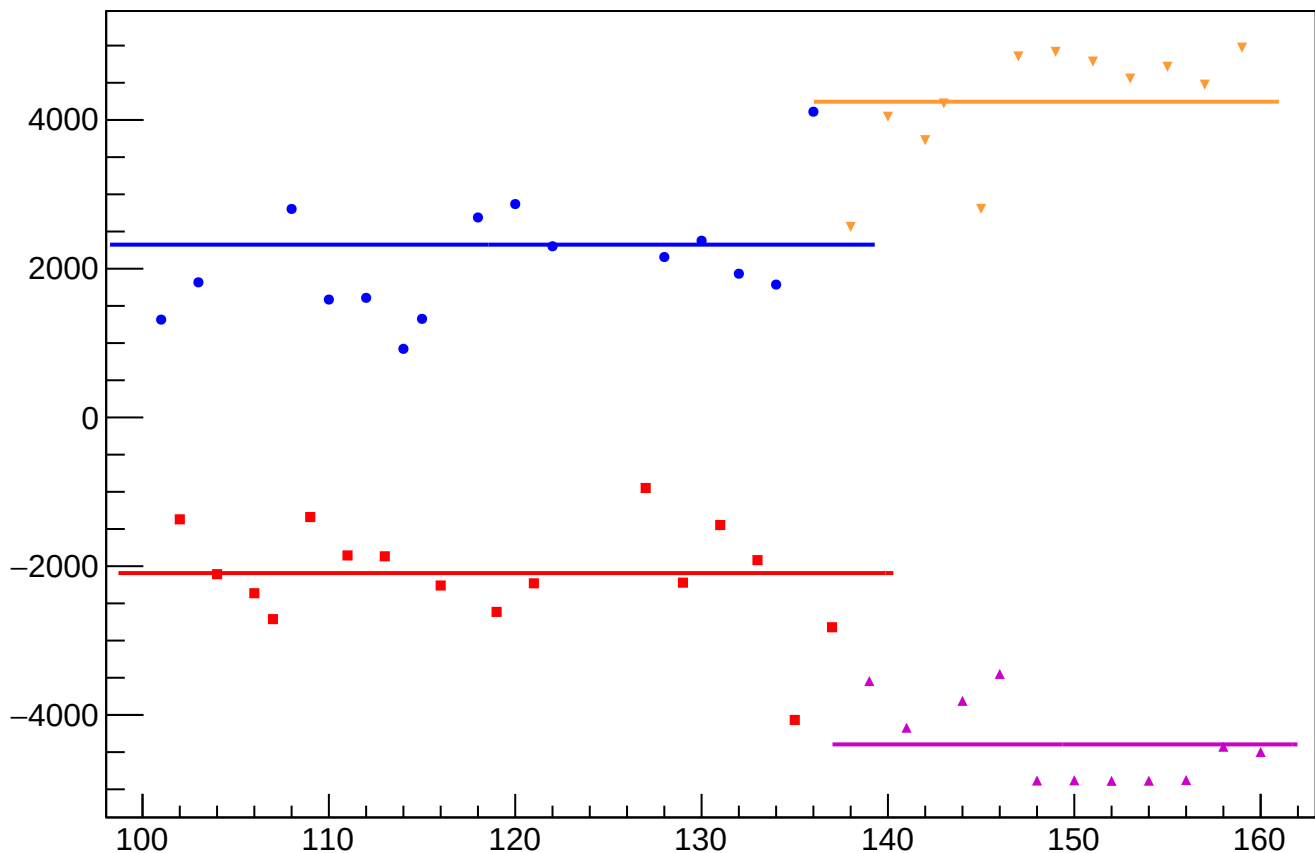
Right In: 114.118 $\pm$ 0.000 χ^2 /NDF: 607226770891525118881736460452495360.0/14
 Left Out: 141.844 $\pm$ 0.000 χ^2 /NDF: 455273254245846333149237795723673600.0/11
 Right Out: -105.890 $\pm$ 0.000 χ^2 /NDF: 851861355270591521058611007535972352.0/15
 Left In: -151.203 $\pm$ 0.000 χ^2 /NDF: 382227652604999337577431549784096768.0/10
 All: -2.103 $\pm$ 0.000 χ^2 /NDF: 5772748991096

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



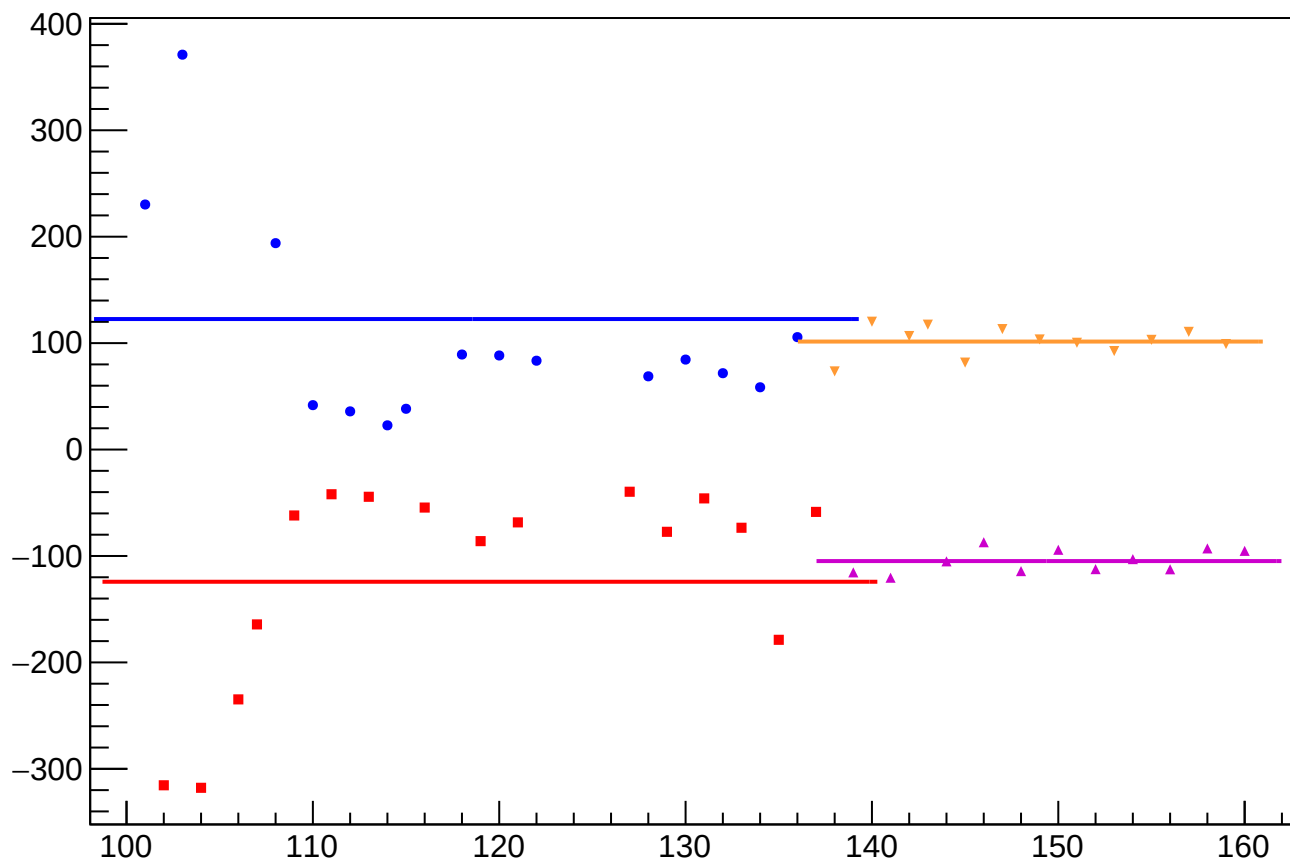
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam7_coil3_mean vs Slug, Sign Corrected



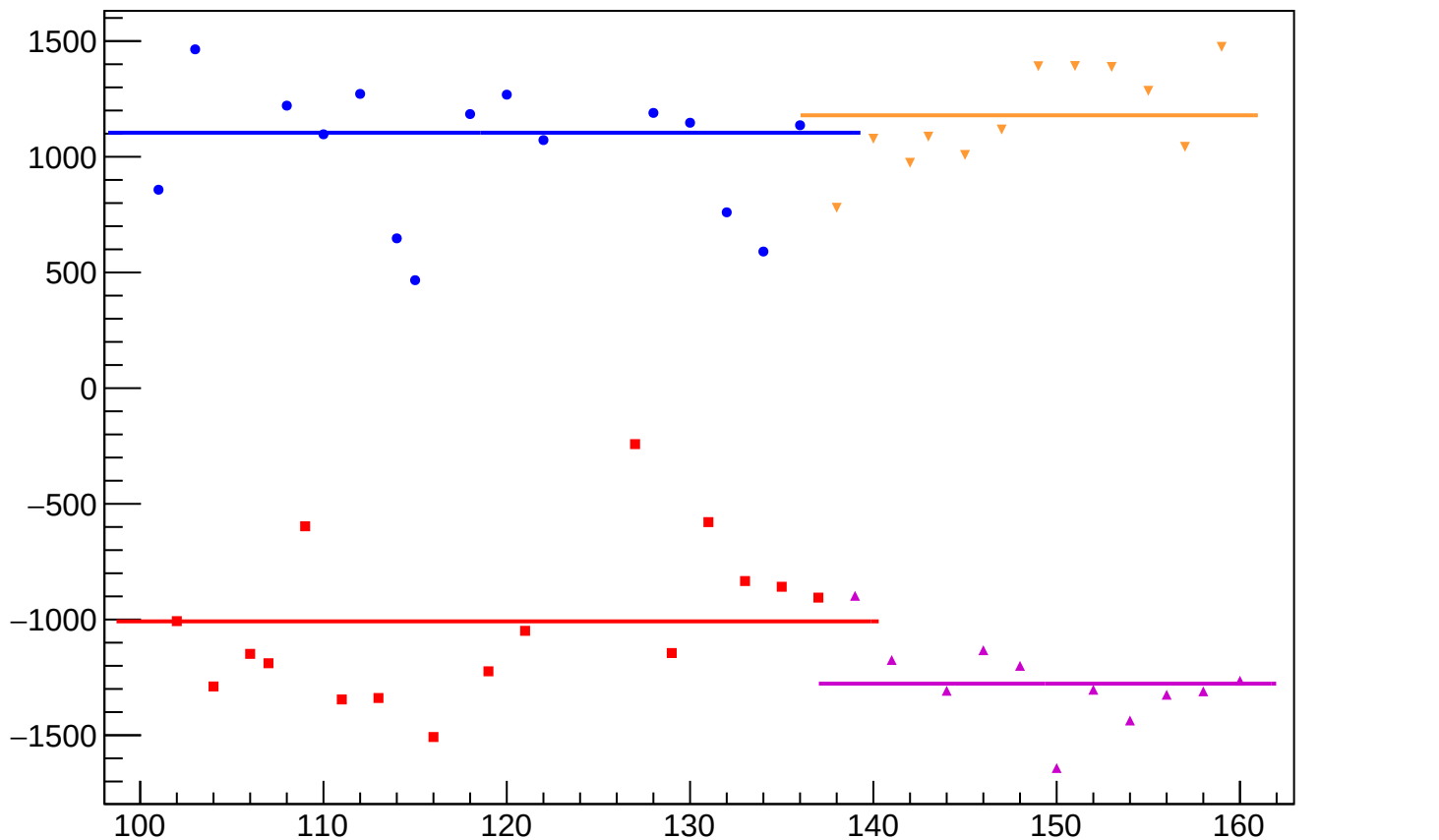
Right In: 2323.372+/-0.000 χ^2/NDF : 476371189888349375964725620757728591872.0/14
 Left Out: 4245.269+/-0.000 χ^2/NDF : 560100037882540295630660663570463719424.0/11
 Right Out: -2092.458+/-0.000 χ^2/NDF : 367126080872166122663684022473339174912.0/15
 Left In: -4396.069+/-0.000 χ^2/NDF : 270326441631367265143713722564756897792.0/10
 All: -22.065+/-0.000 χ^2/NDF : 424251896737

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



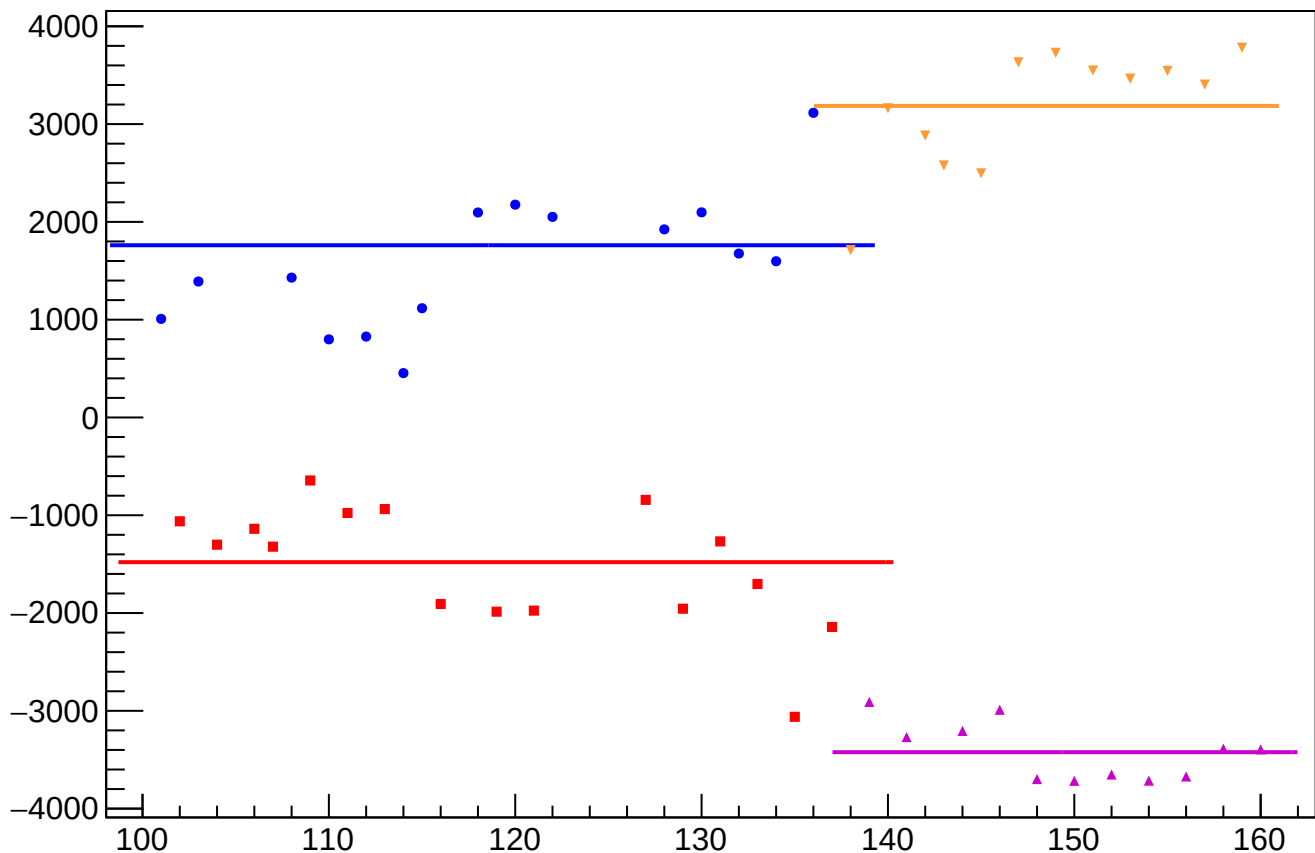
Right In: 122.622+/-0.000 χ^2/NDF : 5937504661187691145903235842749497344.0/14
 Left Out: 101.470+/-0.000 χ^2/NDF : 163606586609215515174601139620413440.0/11
 Right Out: -124.216+/-0.000 χ^2/NDF : 6549627589629012958791202941129719808.0/15
 Left In: -104.786+/-0.000 χ^2/NDF : 102013785381333837493435451846950912.0/10
 All: -2.330+/-0.000 χ^2/NDF : 5234216215941

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



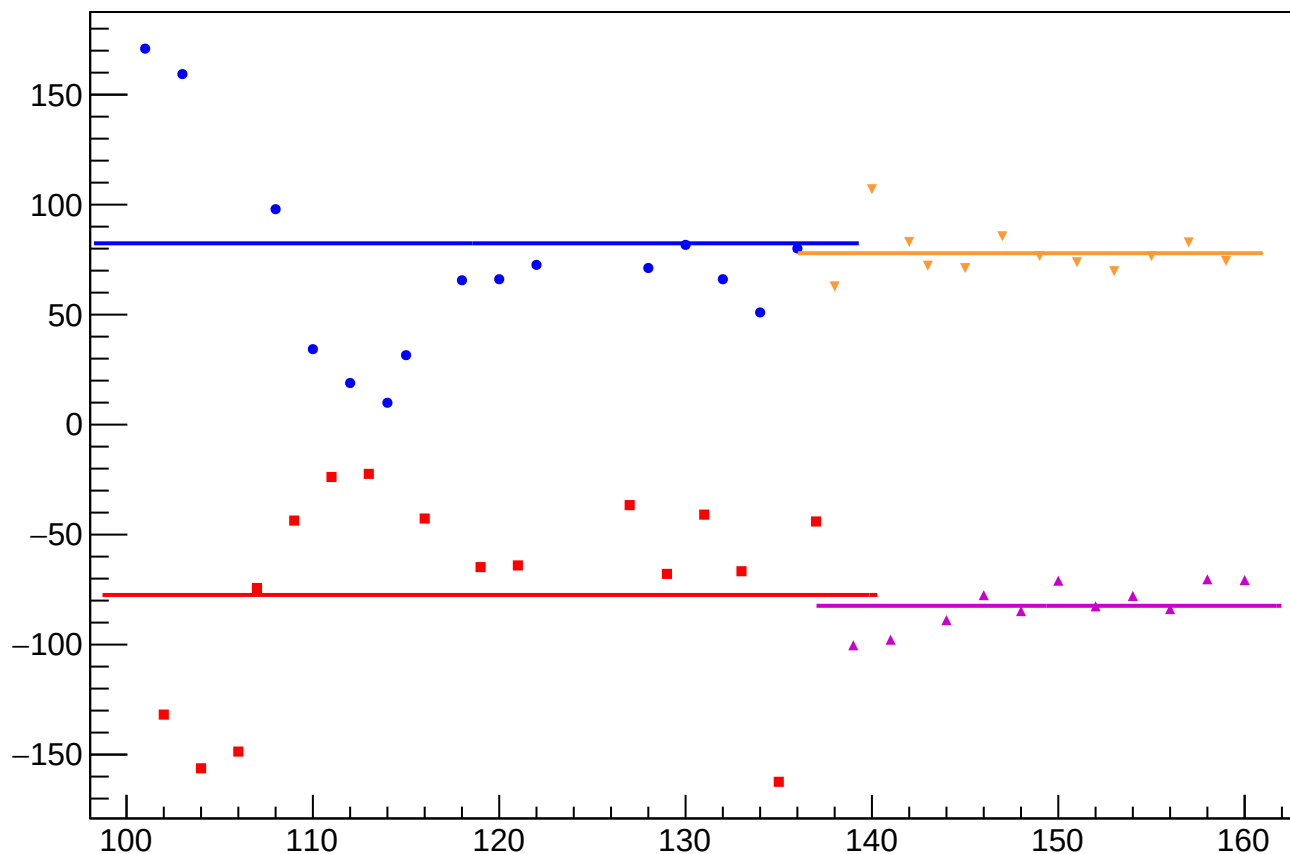
Left: -55.563 +/- 0.000 χ^2/NDF : 2840892210996509
 Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Right: 33.659 +/- 0.000 χ^2/NDF : 1569083056347410
 Left Out: 1179.336 +/- 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 In: -294.641 +/- 0.000 χ^2/NDF : 2223953426306853
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Out: 256.572 +/- 0.000 χ^2/NDF : 1952554182211910
 Left In: -1277.097 +/- 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 +/- 0.000 χ^2/NDF : 441608022845

dit_sam8_coil3_mean vs Slug, Sign Corrected



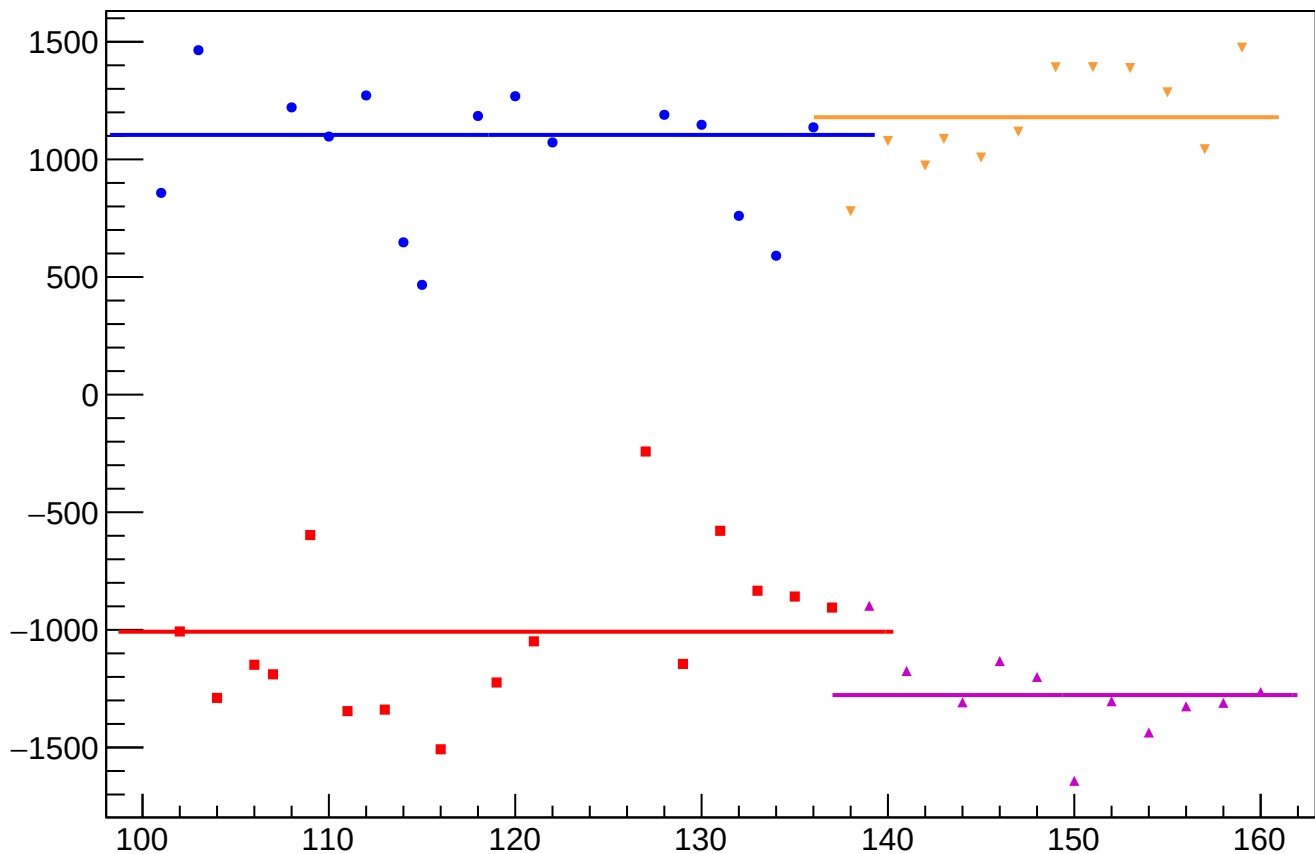
Right In: 1761.245 $\pm$ 0.000 χ^2 /NDF: 332206925976055306953064744993096204288.0/14
 Left Out: 3185.925 $\pm$ 0.000 χ^2 /NDF: 334945906452981161805339150604505710592.0/11
 Right Out: -1479.801 $\pm$ 0.000 χ^2 /NDF: 263467768134780968832551238609236131840.0/15
 Left In: -3423.018 $\pm$ 0.000 χ^2 /NDF: 7453703884208882463869581727568494592.0/10
 All: -30.093 $\pm$ 0.000 χ^2 /NDF: 245798533014

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



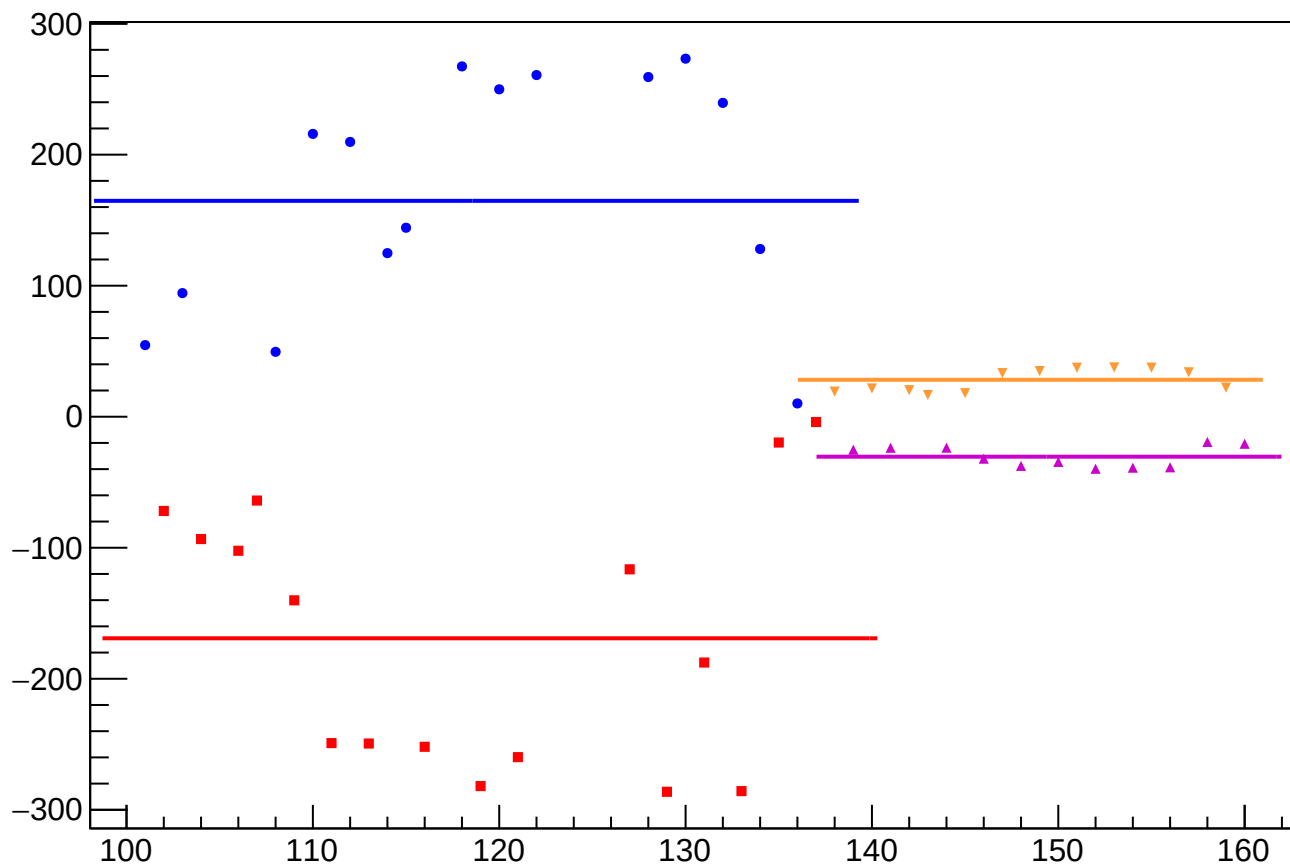
Right In: 82.422+/-0.000 χ^2/NDF : 1263633347129443757477527241185296384.0/14
 Left Out: 77.927+/-0.000 χ^2/NDF : 108816585289567770159719515210907648.0/11
 Right Out: -77.430+/-0.000 χ^2/NDF : 1515456409368458038568290276111024128.0/15
 Left In: -82.361+/-0.000 χ^2/NDF : 88160536769186096496846966890692608.0/10
 All: -0.961+/-0.000 χ^2/NDF : 2319921906530

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



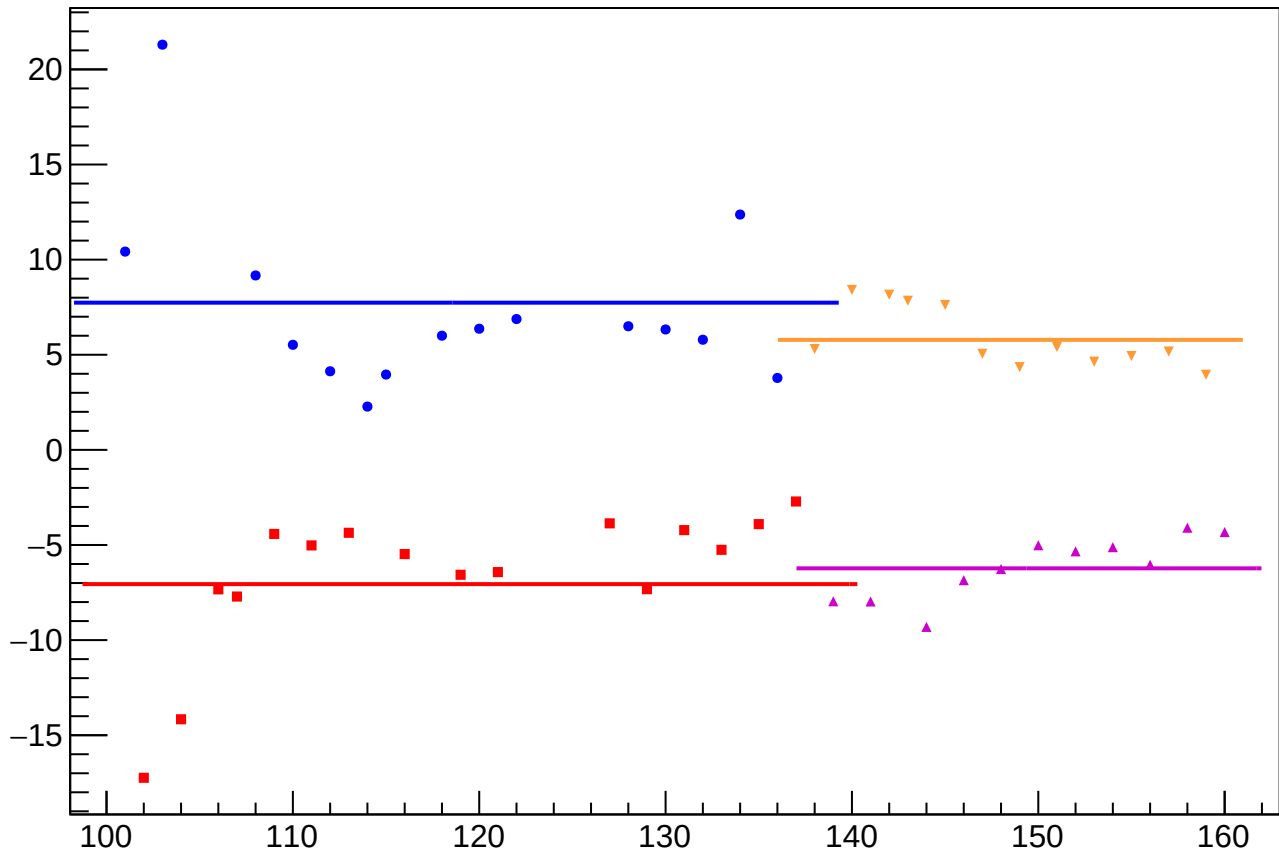
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_4aX_coil7_mean vs Slug, Sign Corrected



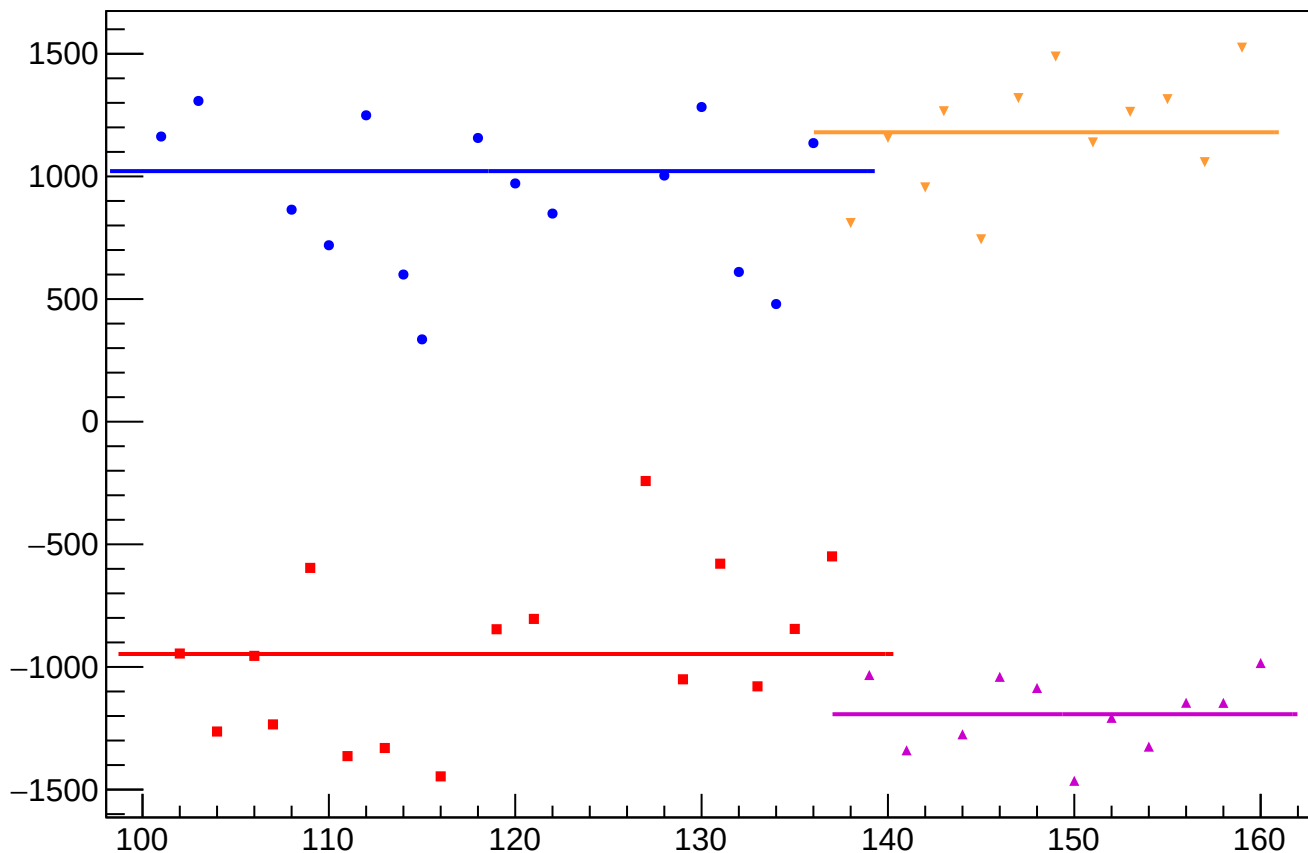
Left: -1.317 ± 0.000 $\chi^2/\text{NDF}: 16978934081589781$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.192 ± 0.000 $\chi^2/\text{NDF}: 62073928949862768083975059378536448.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 50.054 ± 0.000 $\chi^2/\text{NDF}: 209572439496556085$
 Out: -55.045 ± 0.000 $\chi^2/\text{NDF}: 2111323920107624$
 Left In: -30.507 ± 0.000 $\chi^2/\text{NDF}: 52600700148274049801586699671699456.0/10$
 All: -2.629 ± 0.000 $\chi^2/\text{NDF}: 5078015592202$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



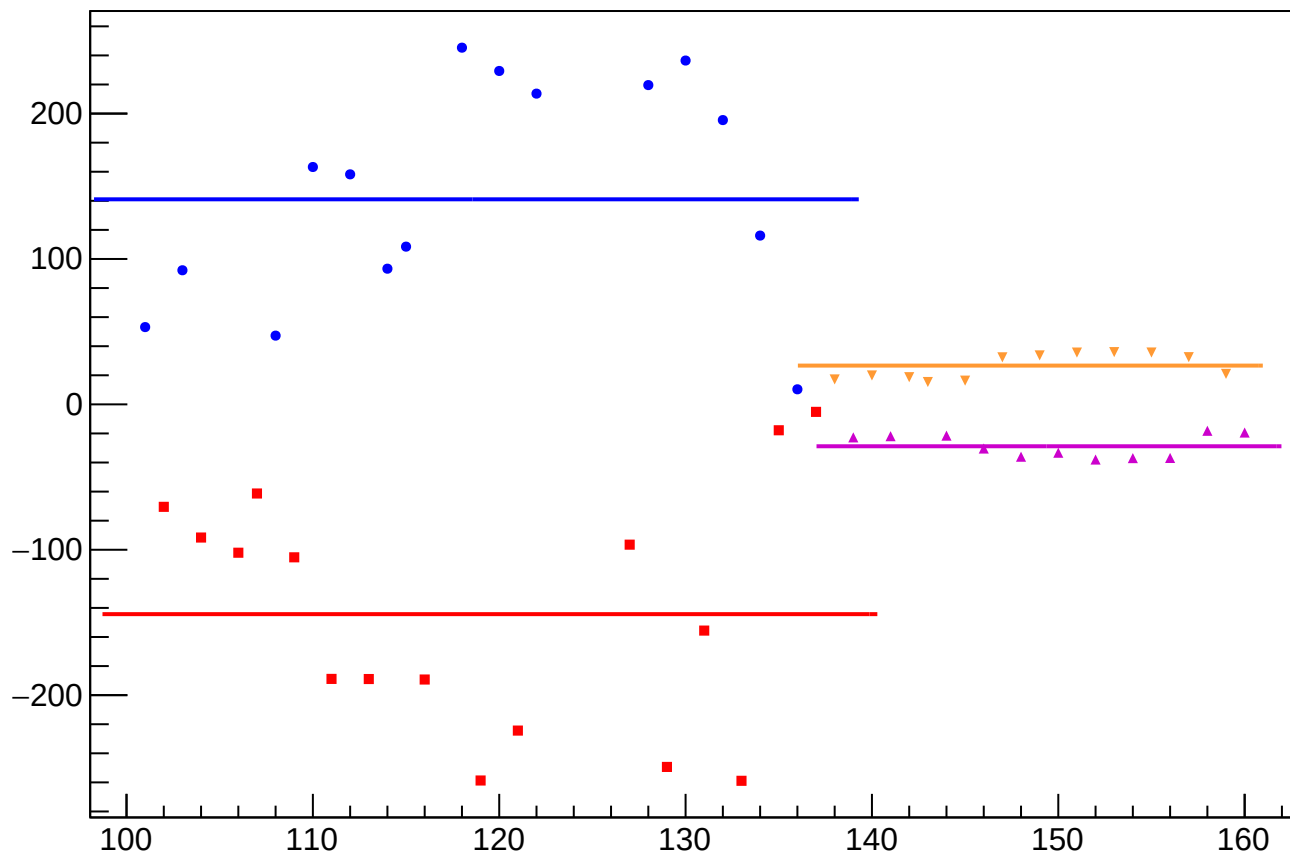
Right In: 7.738 $\pm$ 0.000 χ^2 /NDF: 15127215479234506007469492768079872.0/14
 Left Out: 5.783 $\pm$ 0.000 χ^2 /NDF: 2082103650411209995862519006101504.0/11
 Right Out: -7.057 $\pm$ 0.000 χ^2 /NDF: 11292441204139394792341242753581056.0/15
 Left In: -6.228 $\pm$ 0.000 χ^2 /NDF: 2331911751655733809355489024147456.0/10
 All: -0.049 $\pm$ 0.000 χ^2 /NDF: 1693113496789

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



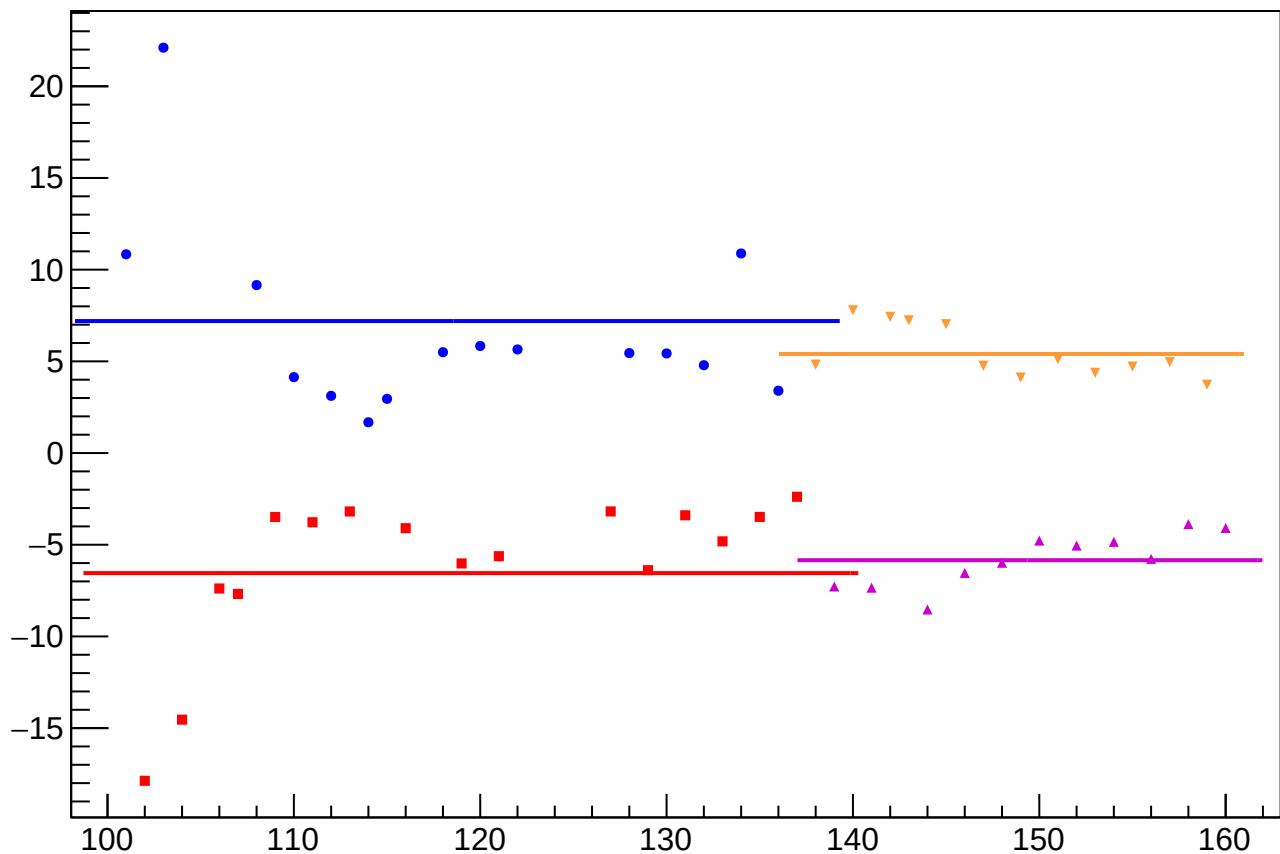
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103+/-0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687+/-0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4eX_coil7_mean vs Slug, Sign Corrected



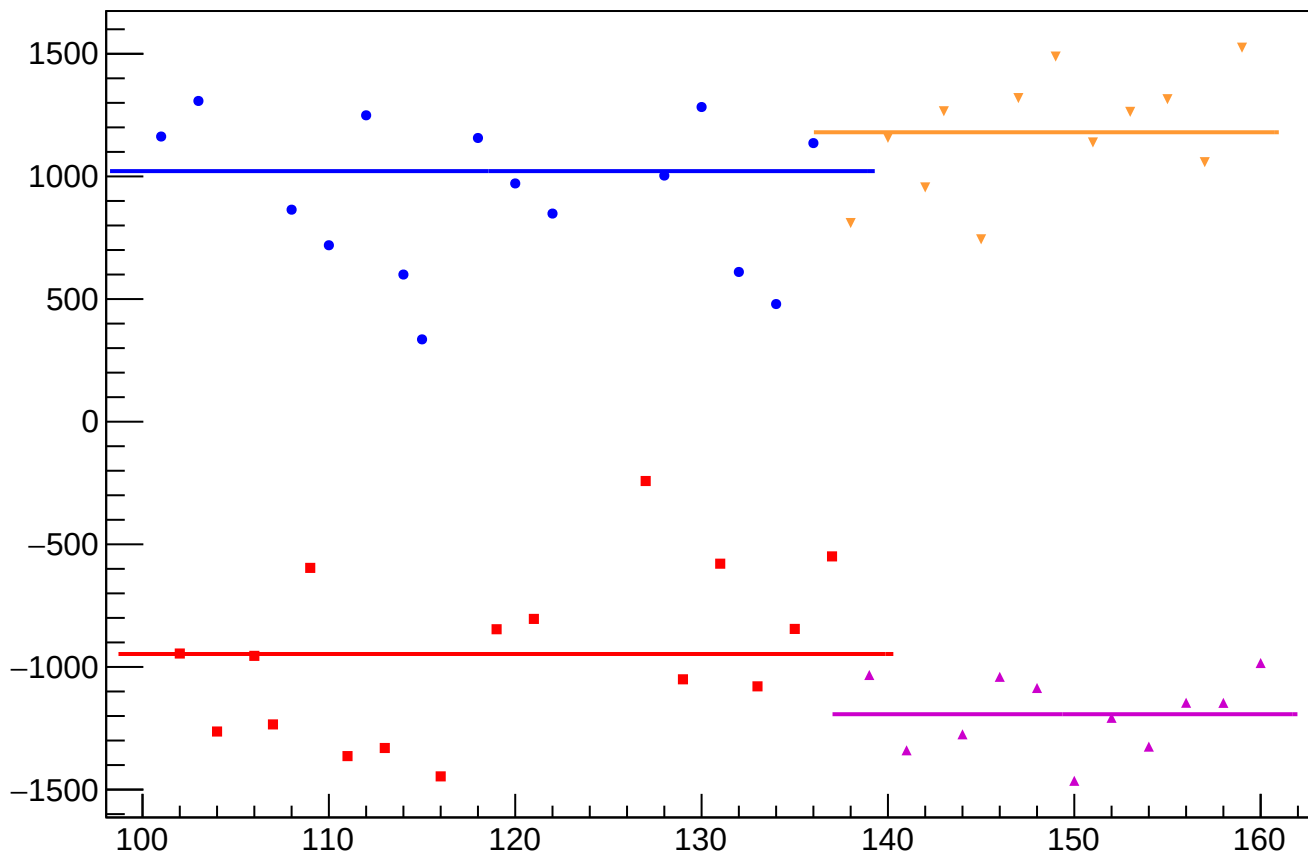
Left: -1.225 ± 0.000 $\chi^2/\text{NDF}: 15294237123103654$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Left Out: 26.669 ± 0.000 $\chi^2/\text{NDF}: 62522343114115856238629096966324224.0/11$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 Left In: -28.817 ± 0.000 $\chi^2/\text{NDF}: 52309797532132393990553277307027456.0/10$
 All: -2.206 ± 0.000 $\chi^2/\text{NDF}: 3708705323759$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.198 $\pm$ 0.000 χ^2 /NDF: 18212640728502785337831966963138560.0/14
 Left Out: 5.404 $\pm$ 0.000 χ^2 /NDF: 1657476673222734549536062415306752.0/11
 Right Out: -6.547 $\pm$ 0.000 χ^2 /NDF: 14078912505116068936230809834094592.0/15
 Left In: -5.843 $\pm$ 0.000 χ^2 /NDF: 1832786837102707862400537806766080.0/10
 All: -0.049 $\pm$ 0.000 χ^2 /NDF: 1562270252344

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

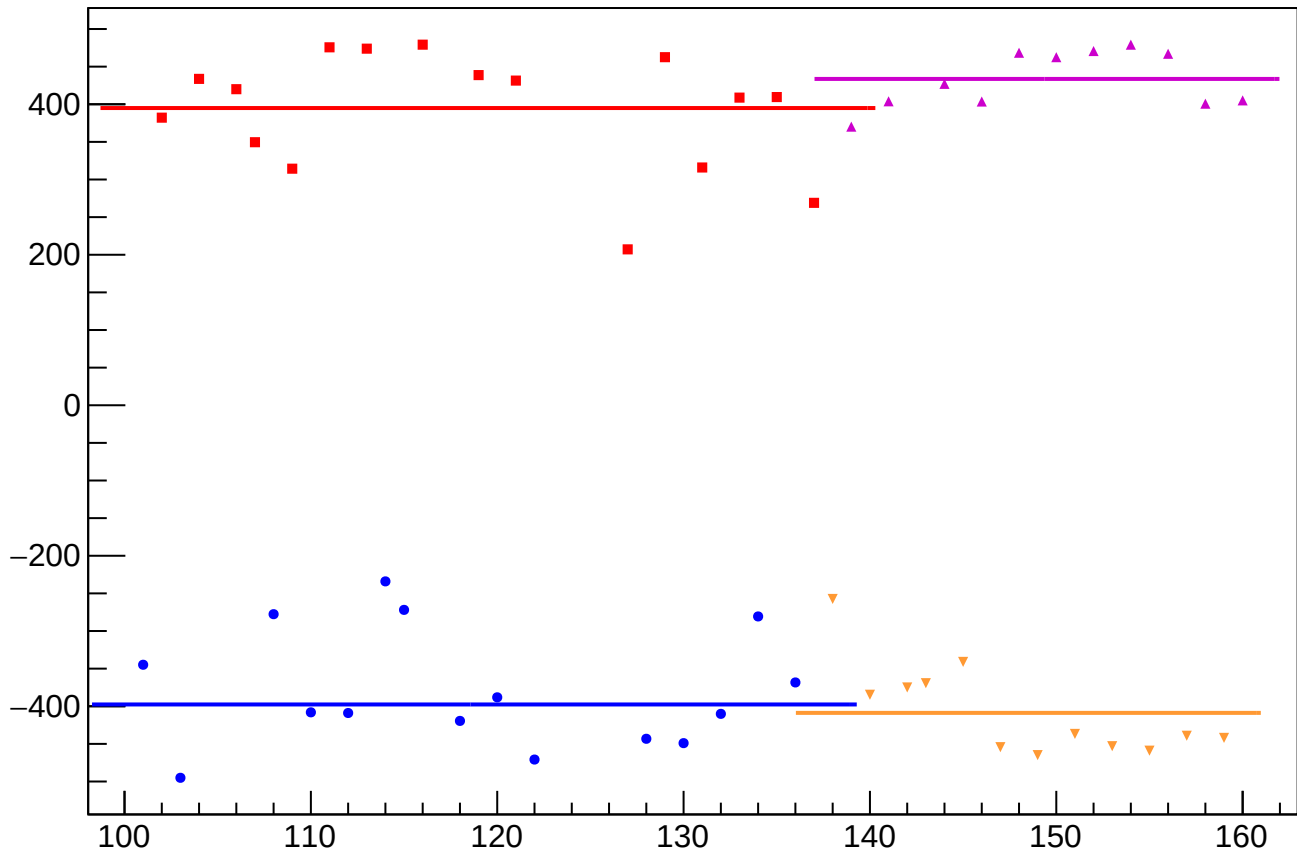
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

Left Out: -408.794+/-0.000

Right Out: 394.973+/-0.000

Left In: 433.664+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

χ^2/NDF : 3366573213961692909439105040404971520.0/11

χ^2/NDF : 3685595513427183501596165280874102784.0/15

χ^2/NDF : 1198237421385461104687495484599697408.0/10

Left: 14.727+/-0.000 χ^2/NDF : 3306788770143985

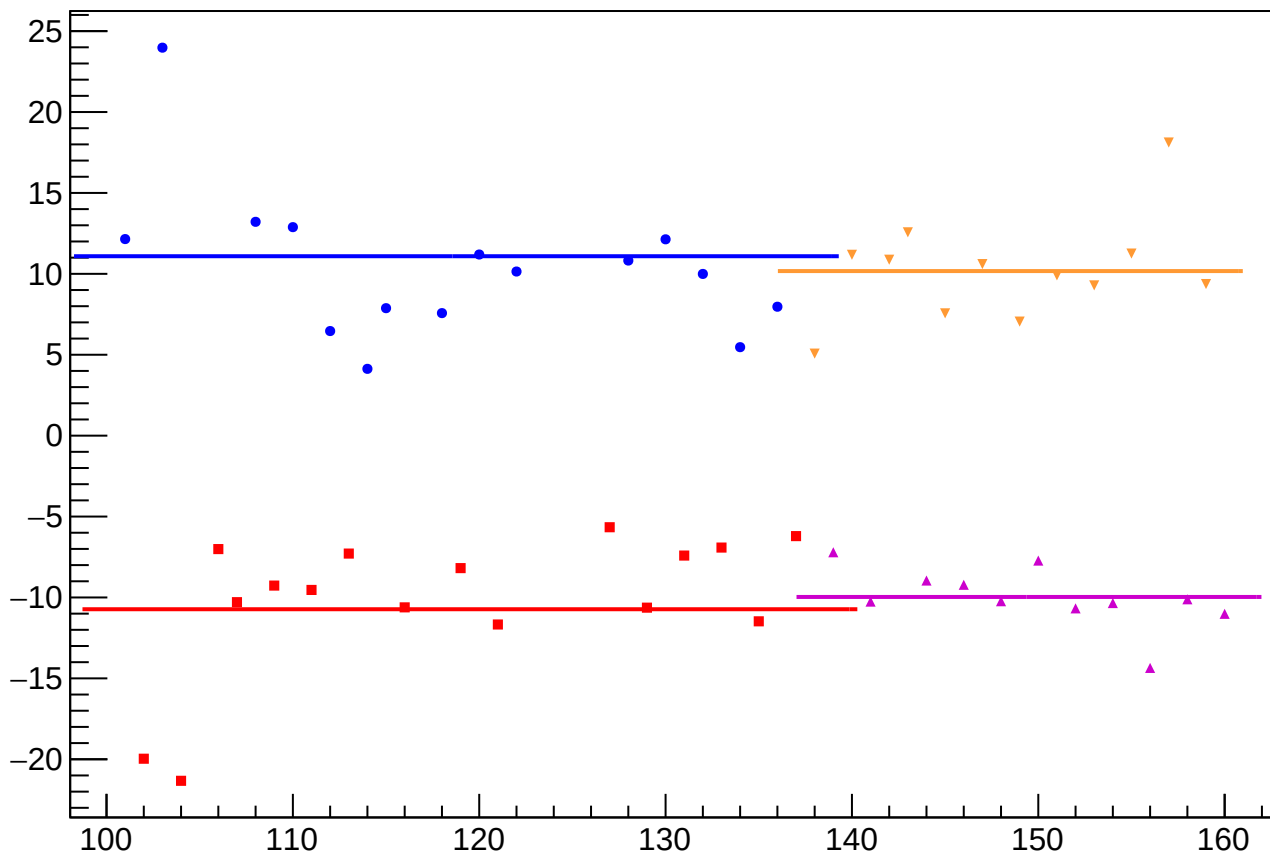
Right: 4.100+/-0.000 χ^2/NDF : 21298342988437283

In: 90.690+/-0.000 χ^2/NDF : 267298439260479340

Out: -69.697+/-0.000 χ^2/NDF : 2561673028781217

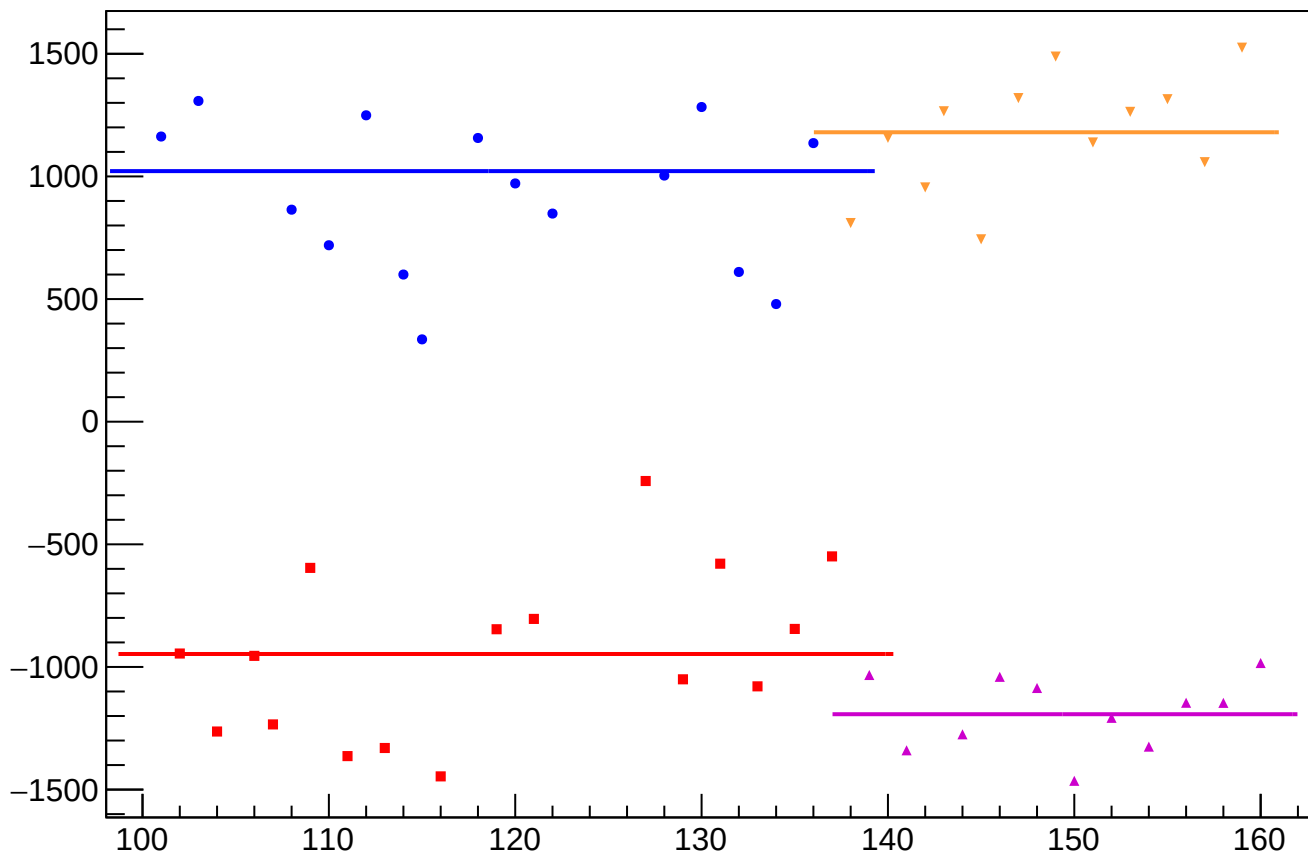
All: 10.293+/-0.000 χ^2/NDF : 5437489116587

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 11.089 ± 0.000 $\chi^2/\text{NDF}: 14235991122014984478163351266918400.0/14$
 Left Out: 10.171 ± 0.000 $\chi^2/\text{NDF}: 9089684940831859823552687731900416.0/11$
 Right Out: -10.728 ± 0.000 $\chi^2/\text{NDF}: 14767238290725260908081124437131264.0/15$
 Left In: -9.968 ± 0.000 $\chi^2/\text{NDF}: 2905664542402179840795878184976384.0/10$
 All: 0.040 ± 0.000 $\chi^2/\text{NDF}: 38392284563118$

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

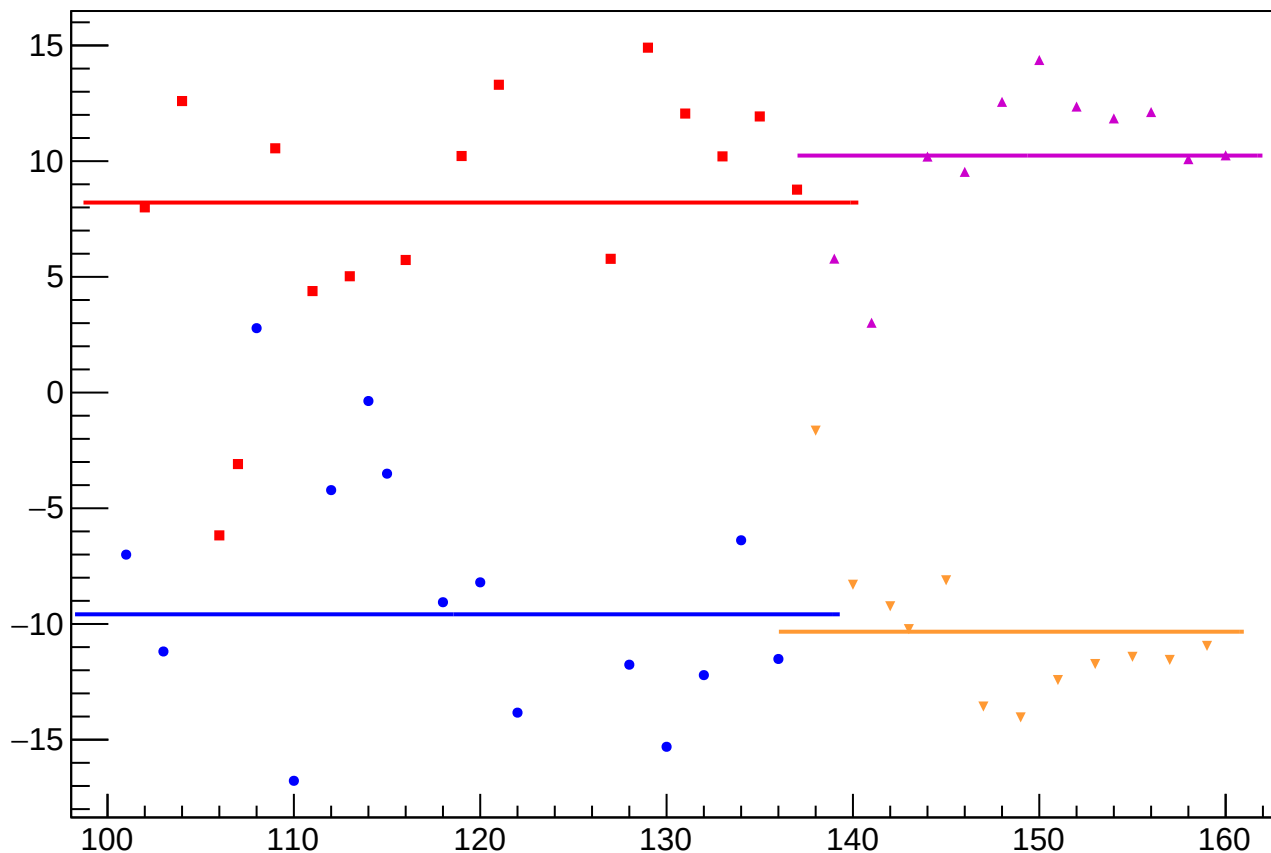
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.582 ± 0.000

Left Out: -10.333 ± 0.000

Right Out: 8.211 ± 0.000

Left In: 10.241 ± 0.000

χ^2/NDF : 14702679983940002820806471963377664.0/14

χ^2/NDF : 9377692425026365375047041474887680.0/11

χ^2/NDF : 18304237293835961465605754204454912.0/15

χ^2/NDF : 8992829088408430483485977772818432.0/10

Left: 0.010 ± 0.000 χ^2/NDF : 212884271856614194

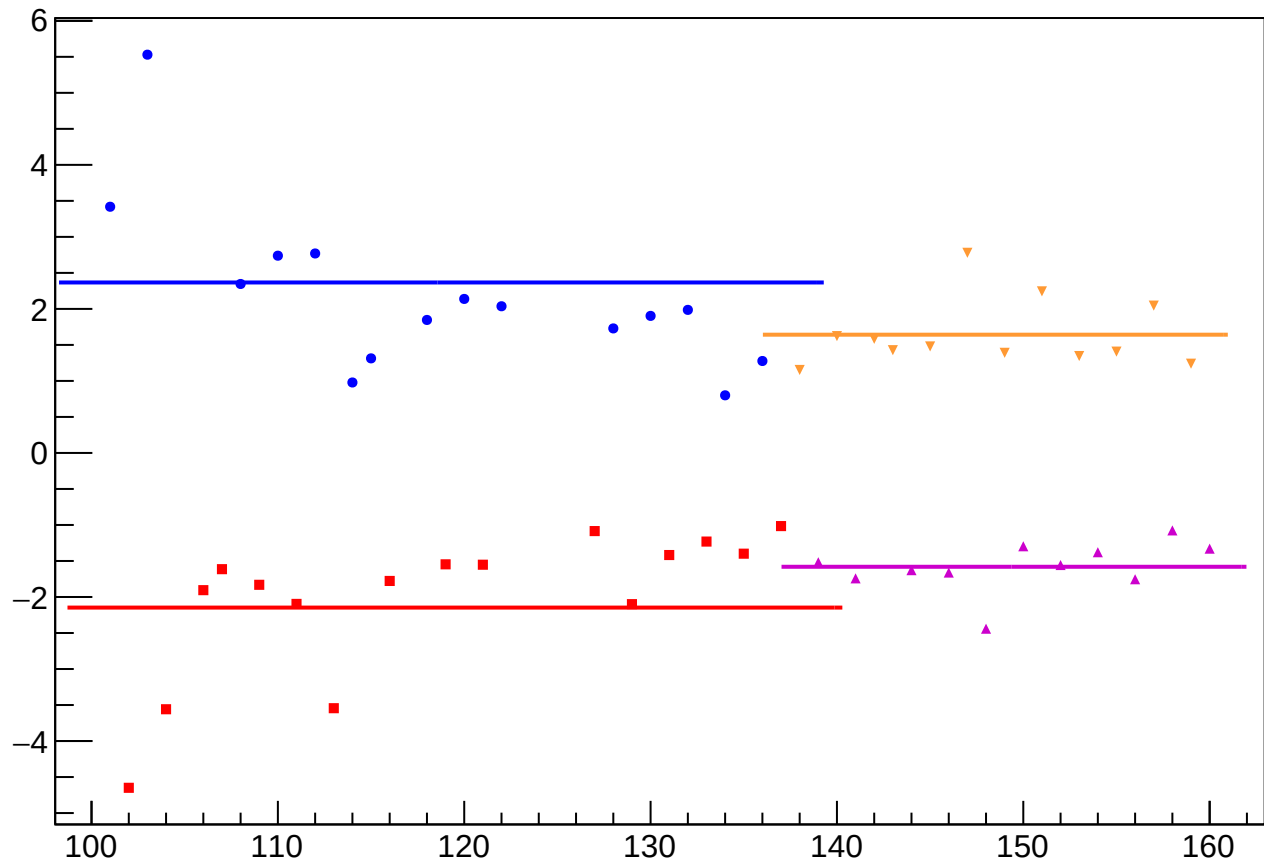
Right: -0.564 ± 0.000 χ^2/NDF : 1371493250181668

In: 2.062 ± 0.000 χ^2/NDF : 1735093437250268156

Out: -2.510 ± 0.000 χ^2/NDF : 16029265277756400

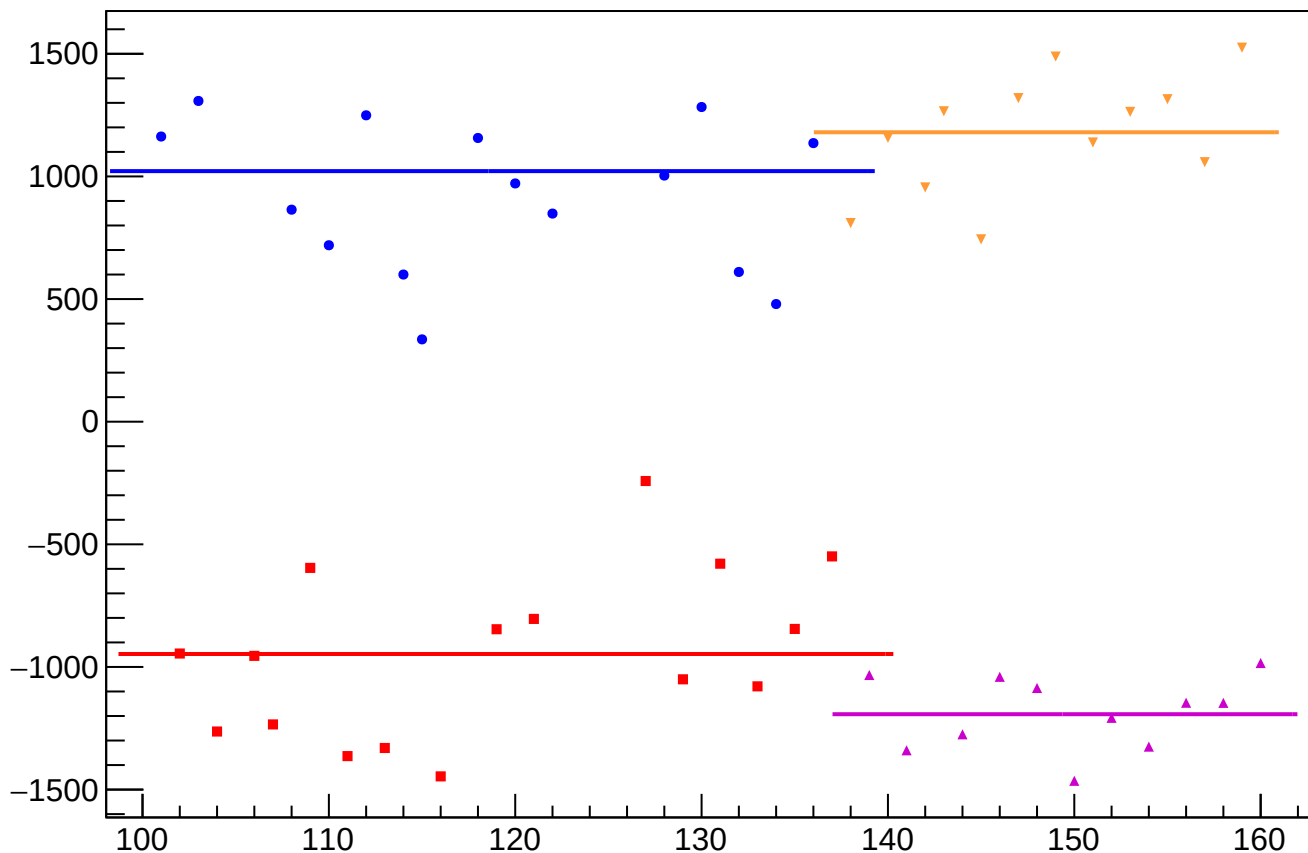
All: -0.229 ± 0.000 χ^2/NDF : 3502860386482

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.367 $\pm$ 0.000 χ^2 /NDF: 920633294546152876922066767446016.0/14
 Left Out: 1.642 $\pm$ 0.000 χ^2 /NDF: 195842148226043527039909915262976.0/11
 Right Out: -2.147 $\pm$ 0.000 χ^2 /NDF: 764171992480224478656127555338240.0/15
 Left In: -1.580 $\pm$ 0.000 χ^2 /NDF: 104159820106689813353171792166912.0/10
 All: 0.046 $\pm$ 0.000 χ^2 /NDF: 13461521258222

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

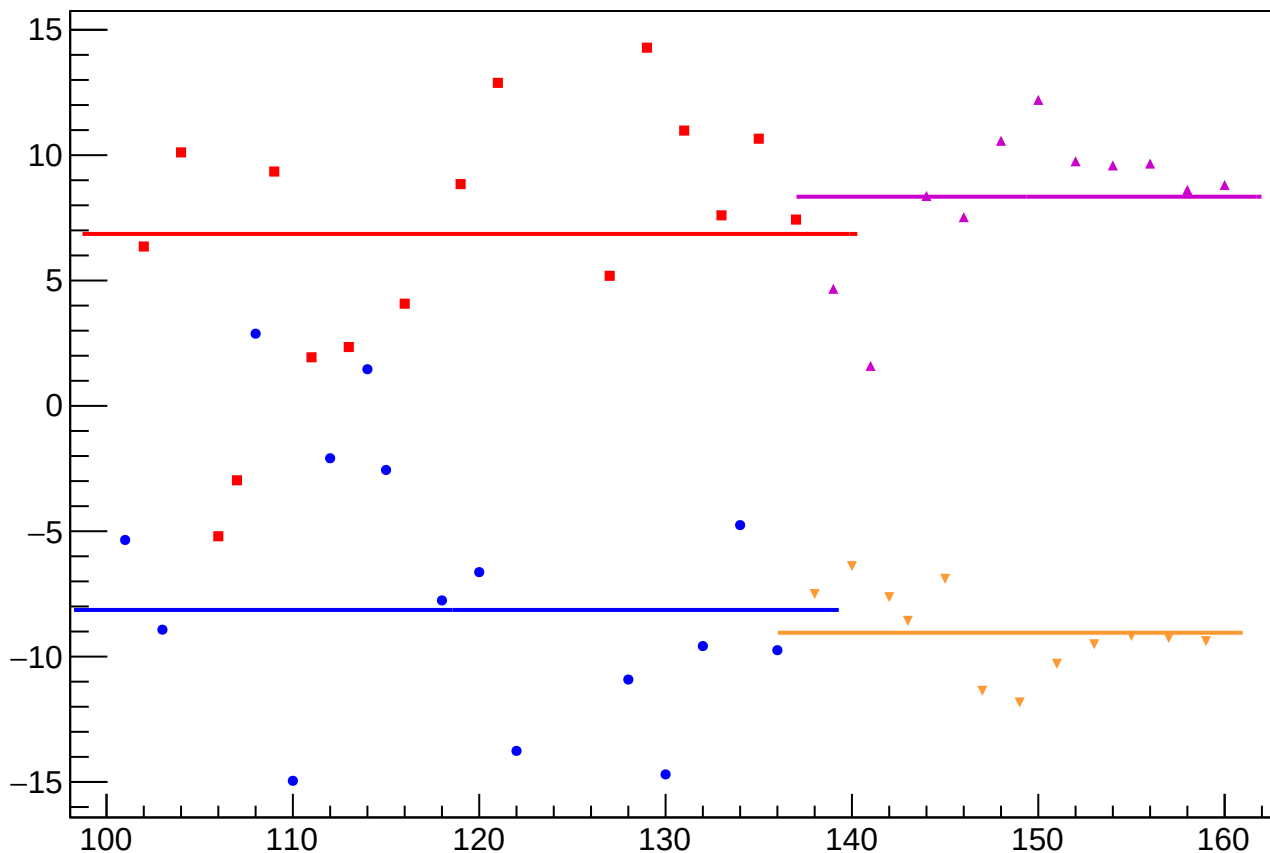
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

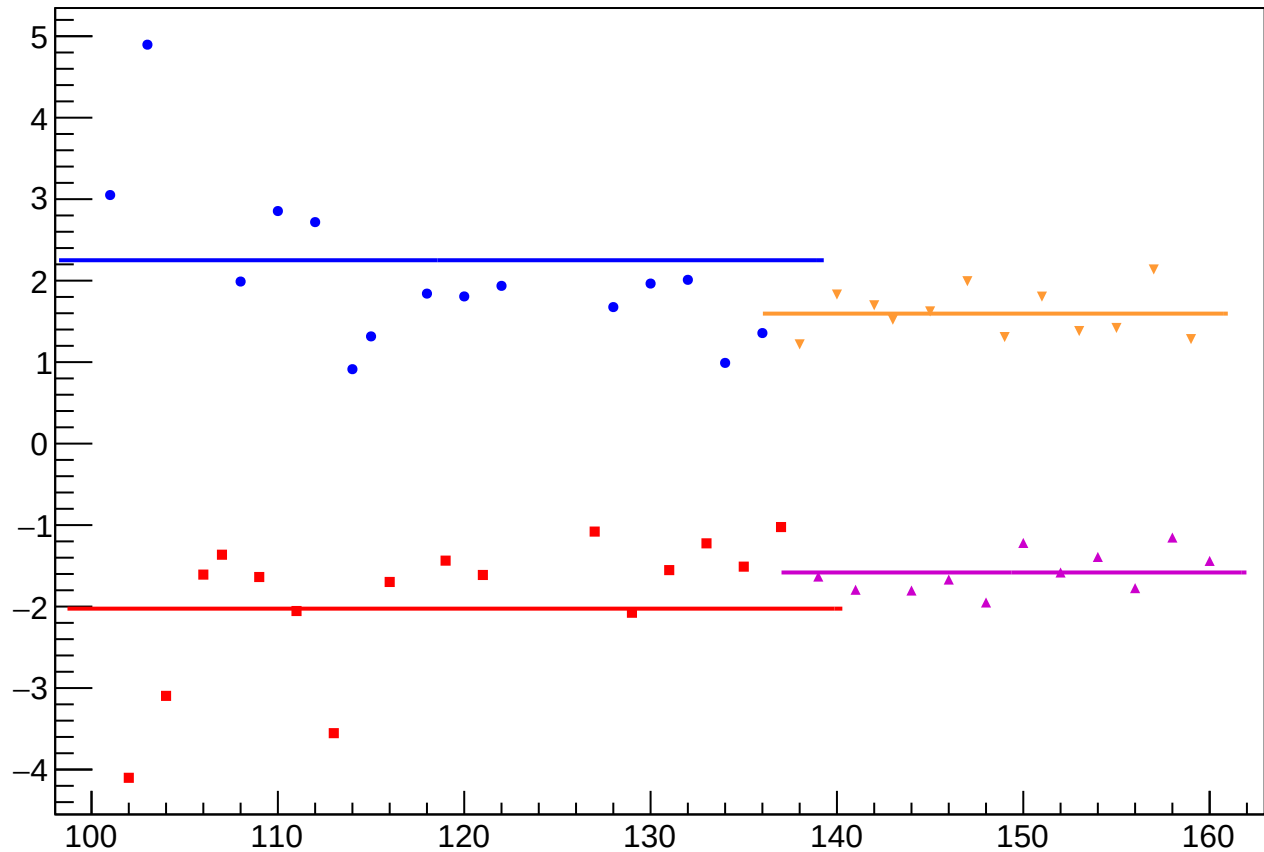
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4eY_coil7_mean vs Slug, Sign Corrected



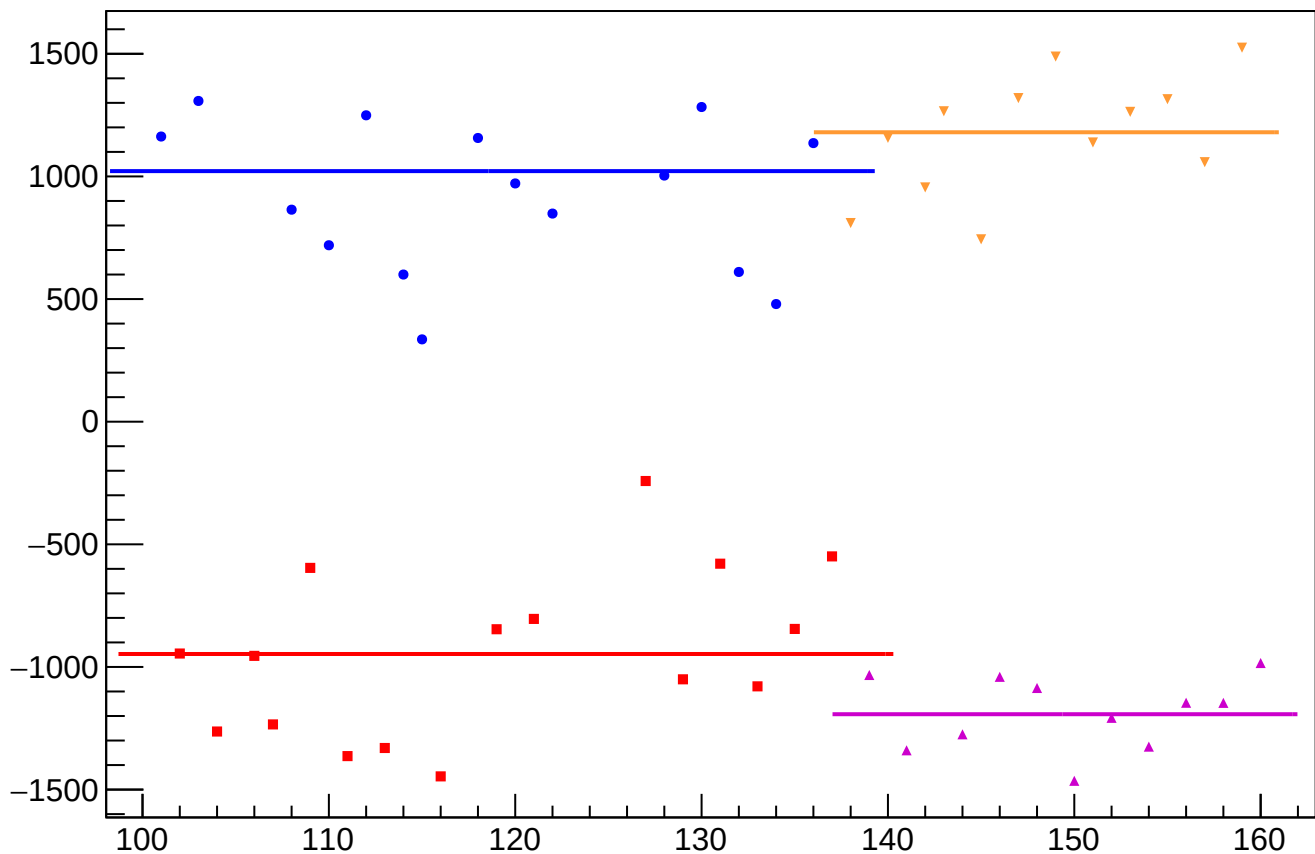
Right In: -8.139 ± 0.000 $\chi^2/\text{NDF}: 14676442649222120372533779893321728.0/14$
 Left Out: -9.049 ± 0.000 $\chi^2/\text{NDF}: 2449058506184839792133889501167616.0/11$
 Right Out: 6.859 ± 0.000 $\chi^2/\text{NDF}: 16483631561591790731352632153079808.0/15$
 Left In: 8.343 ± 0.000 $\chi^2/\text{NDF}: 7268690948063694771204756789526528.0/10$
 All: -0.402 ± 0.000 $\chi^2/\text{NDF}: 2538807042517$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



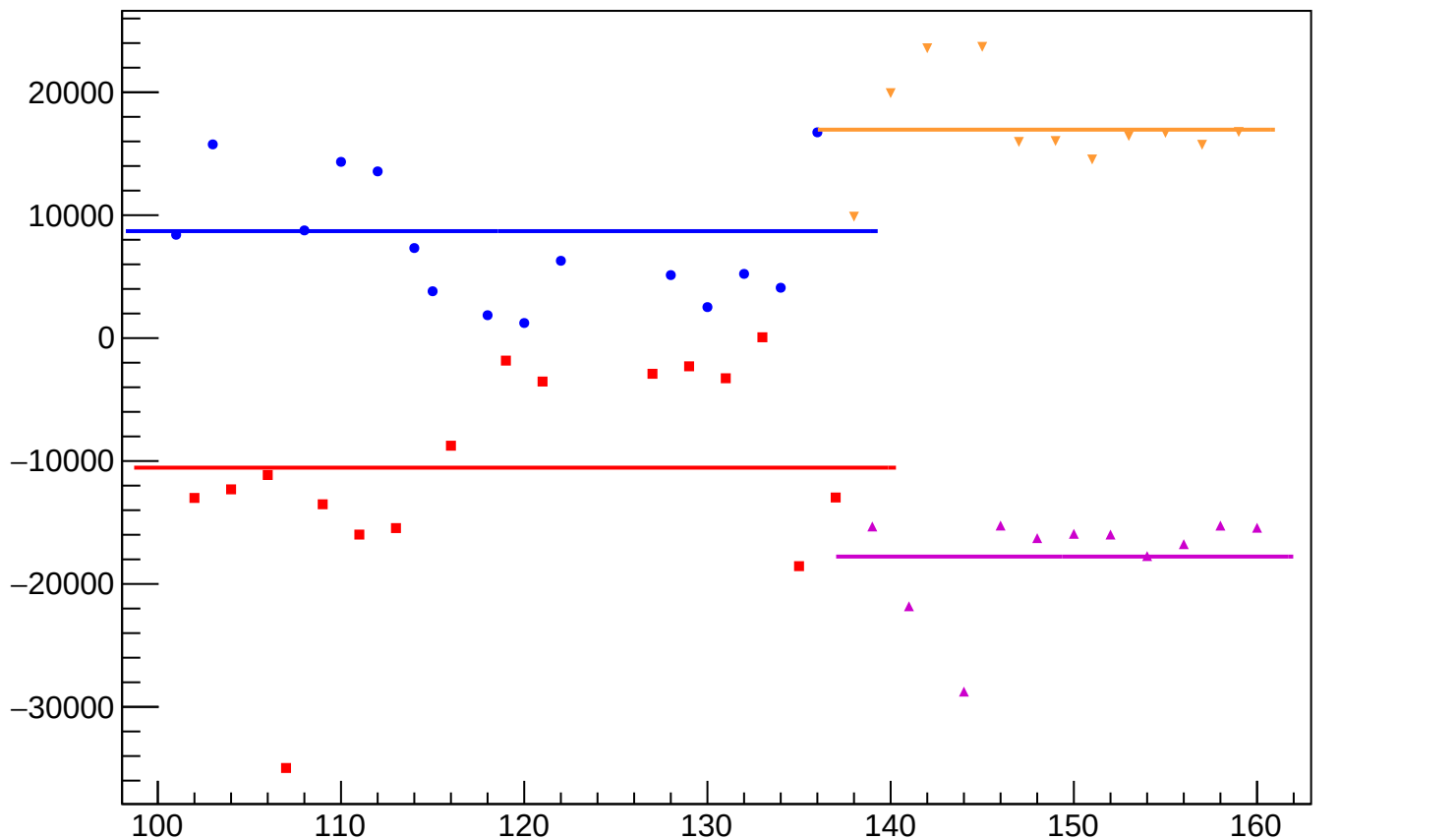
Right In: 2.250 ± 0.000 $\chi^2/\text{NDF}: 656774588136274816295442701090816.0/14$
 Left Out: 1.595 ± 0.000 $\chi^2/\text{NDF}: 76549213292208781148545230045184.0/11$
 Right Out: -2.025 ± 0.000 $\chi^2/\text{NDF}: 578717441762956454616505599918080.0/15$
 Left In: -1.582 ± 0.000 $\chi^2/\text{NDF}: 54930988145763434904897999339520.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 12024014402929$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



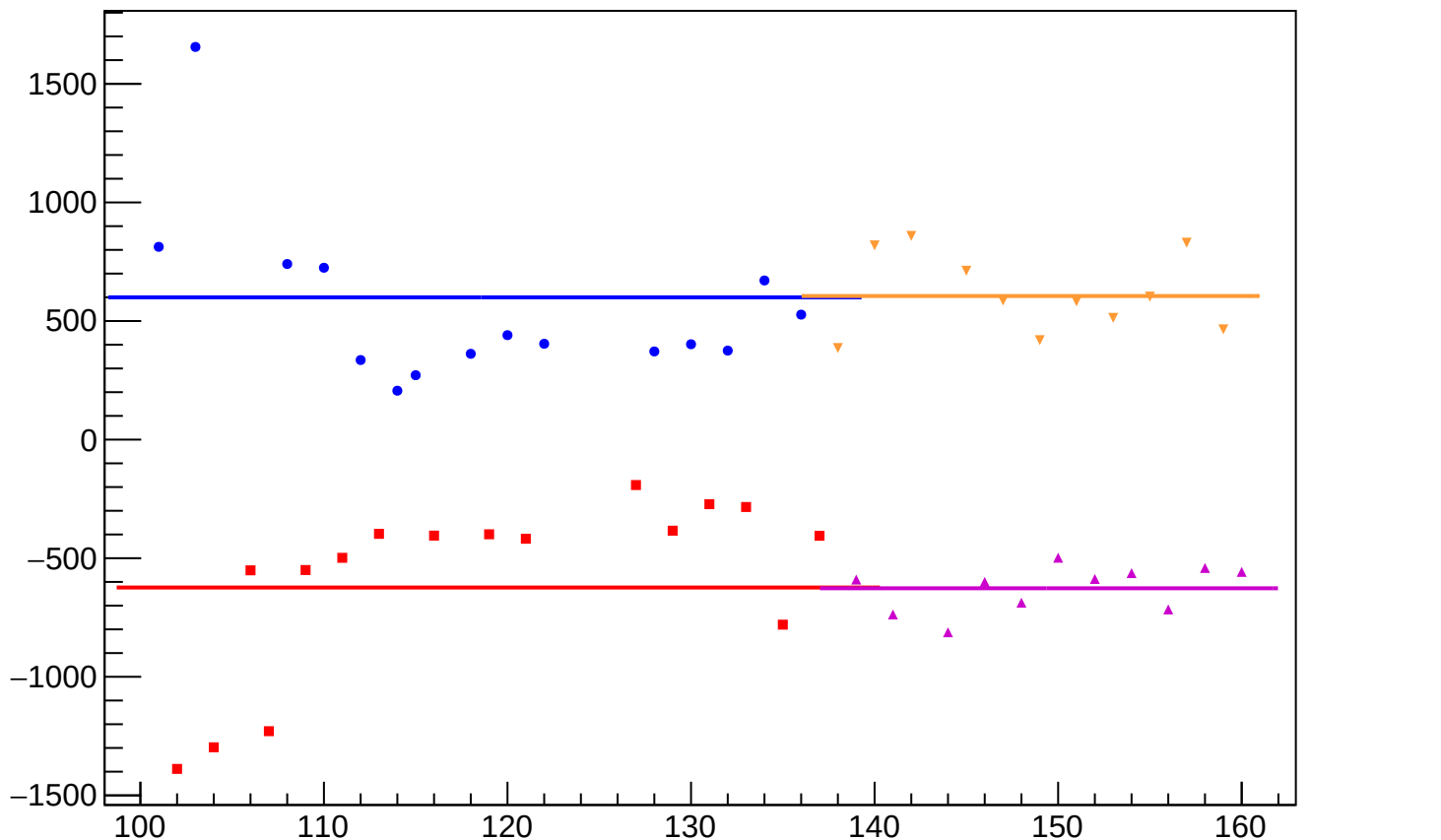
Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 Left Out: 1180.103 +/- 0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_usl_coil7_mean vs Slug, Sign Corrected



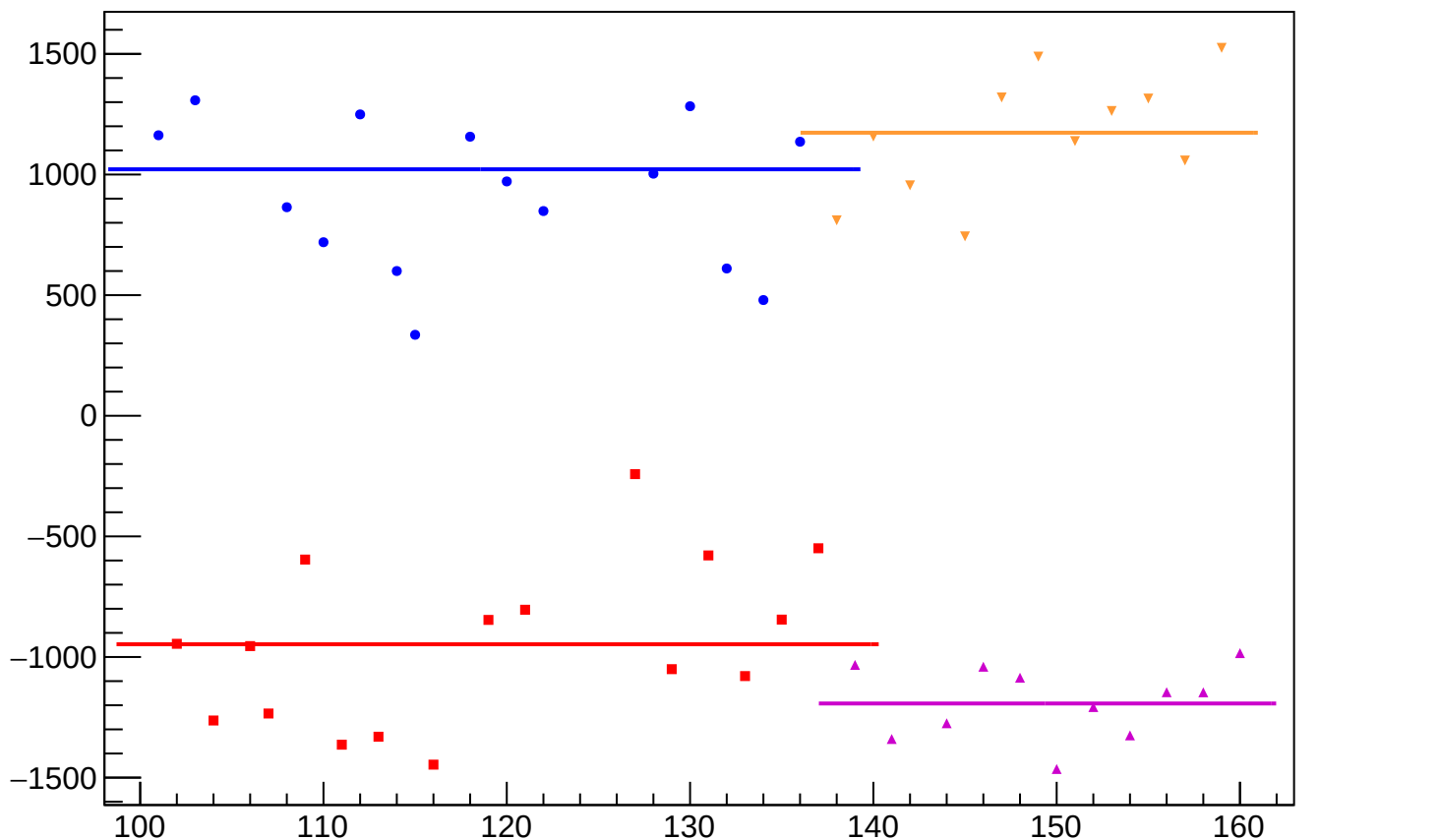
Left: -1162.779 +/- 0.000 χ^2/NDF : 55890843498990
 Right In: 8703.332 +/- 0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Right: -1049.596 +/- 0.000 χ^2/NDF : 1875271262832
 Left Out: 16957.575 +/- 0.000 χ^2/NDF : 10938008625550561770285254297697243889664.0/10
 In: -6849.259 +/- 0.000 χ^2/NDF : 301670600144202
 Right Out: -10539.327 +/- 0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Out: 4843.682 +/- 0.000 χ^2/NDF : 339295749801159
 Left In: -17773.103 +/- 0.000 χ^2/NDF : 14926066991142889452676587552618632445952.0/10
 All: -1114.529 +/- 0.000 χ^2/NDF : 7464452329

dit_usl_coil7_err_mean vs Slug, Sign Corrected



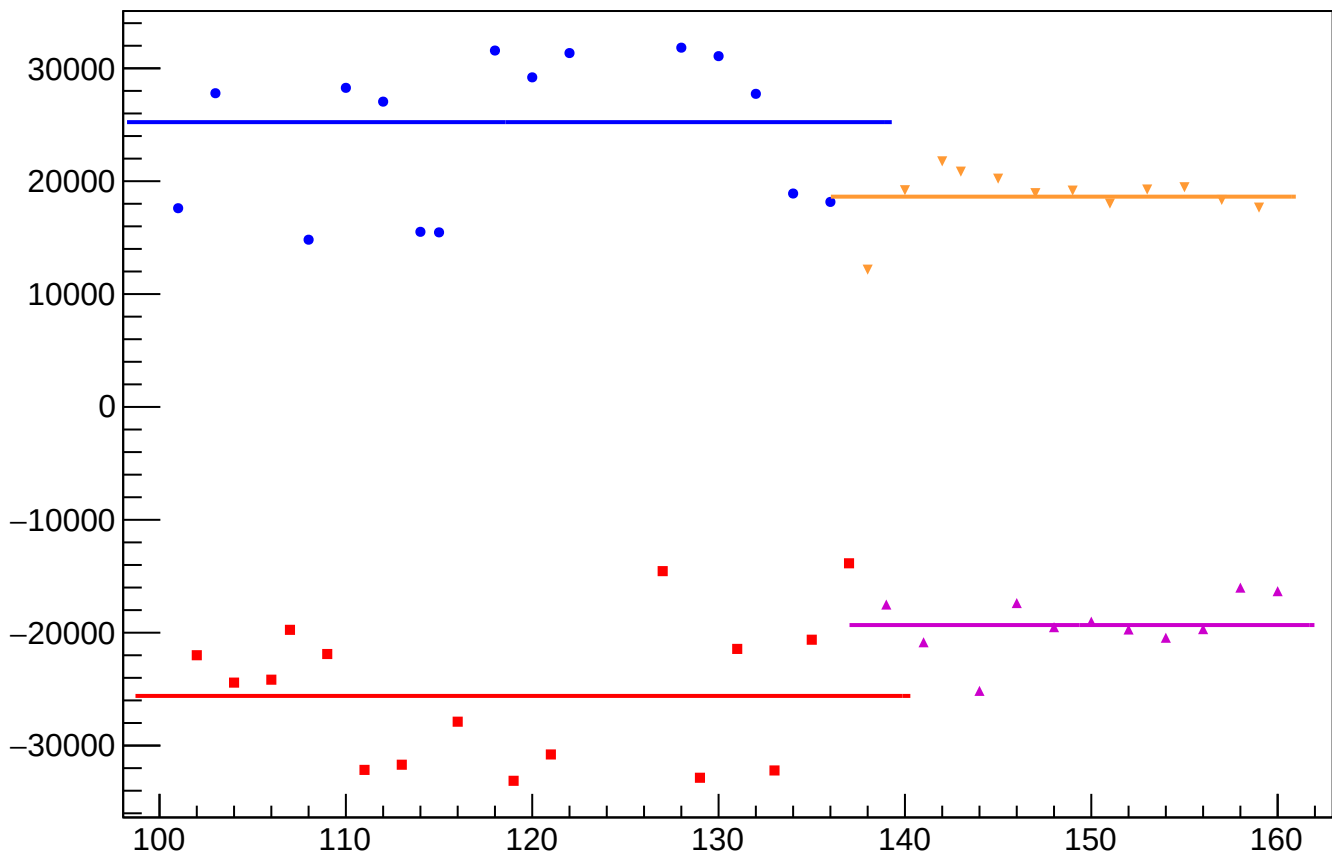
Right In: 599.849+/-0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 605.454+/-0.000 χ^2/NDF : 20600036696576889686488913862706855936.0/10
 Right Out: -623.569+/-0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785+/-0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.110+/-0.000 χ^2/NDF : 138304886705

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



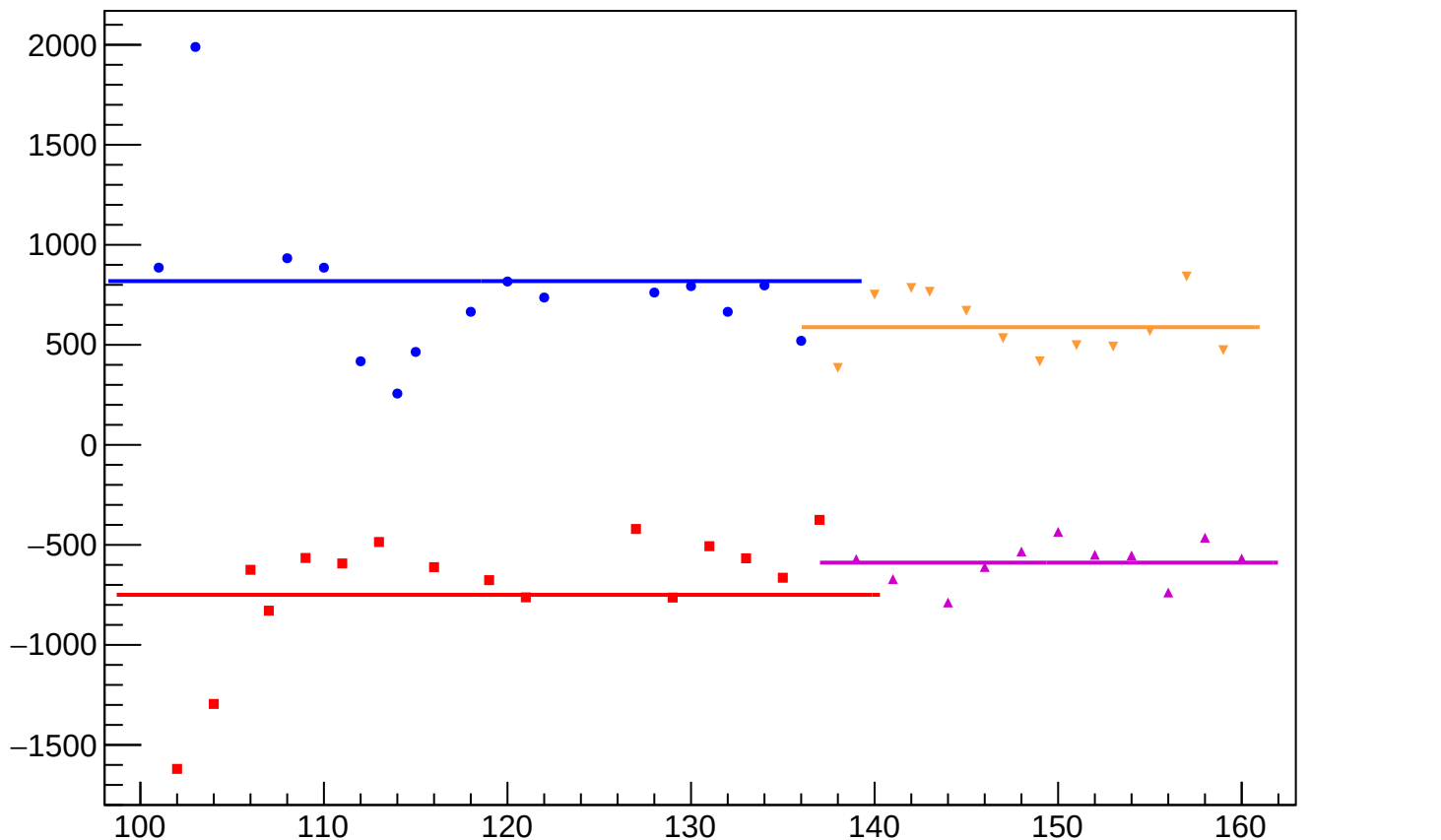
Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1173.334 +/- 0.000 χ^2/NDF : 50259225692125439679244442751924699136.0/10
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.912 +/- 0.000 χ^2/NDF : 393215150522

dit_usr_coil7_mean vs Slug, Sign Corrected



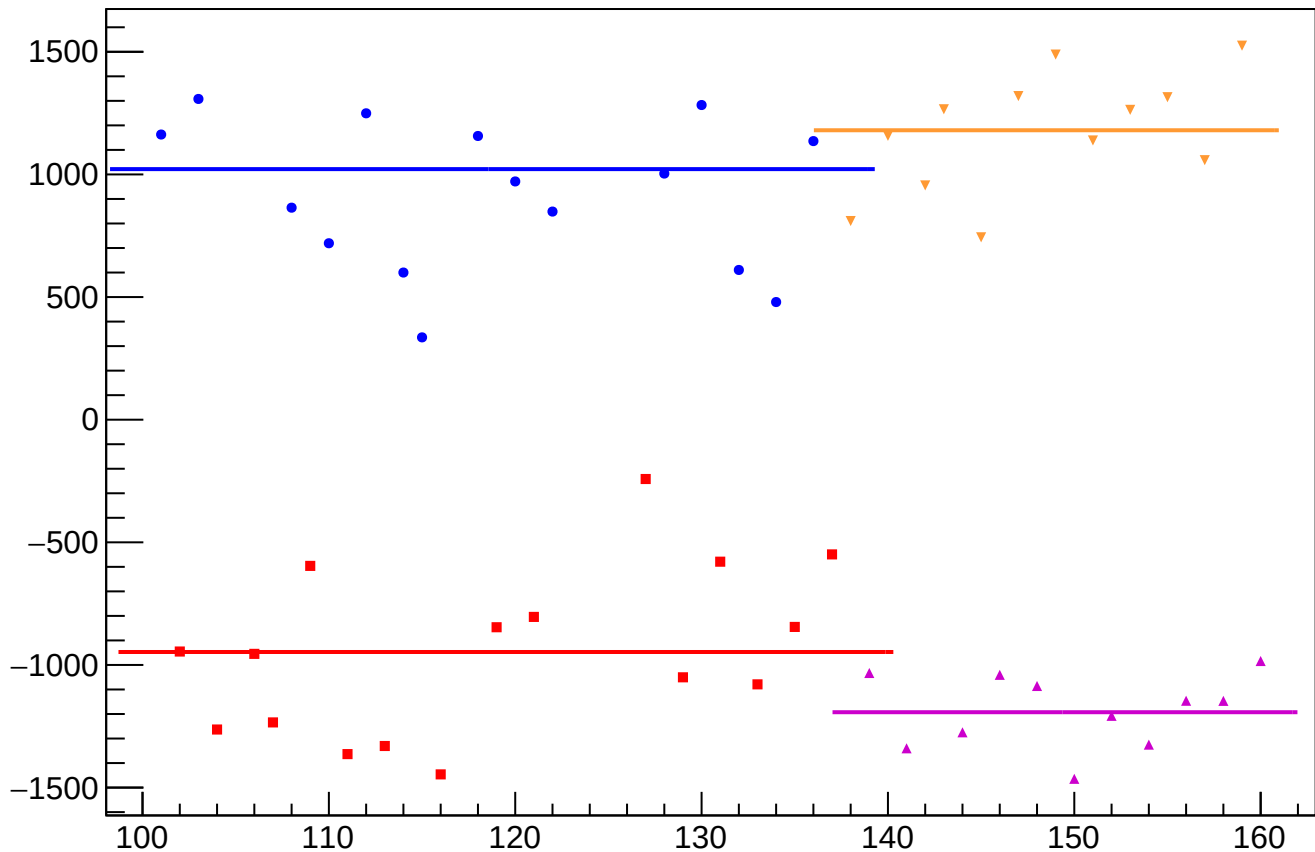
Right In: 25232.229+/-0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Left Out: 18630.609+/-0.000 χ^2/NDF : 4499157177792733453337123782201790431232.0/11
 Right Out: -25601.388+/-0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Left In: -19322.974+/-0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.976+/-0.000 χ^2/NDF : 15707826192

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 +/- 0.000 χ^2/NDF : 105606527096911974489496802318373355520.0/14
 Left Out: 588.391 +/- 0.000 χ^2/NDF : 20060197377989114991296665666078113792.0/11
 Right Out: -749.661 +/- 0.000 χ^2/NDF : 77972691834605708706145461250669150208.0/15
 Left In: -588.693 +/- 0.000 χ^2/NDF : 9904386894828699094725074481582178304.0/10
 All: 7.967 +/- 0.000 χ^2/NDF : 16598147133155

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

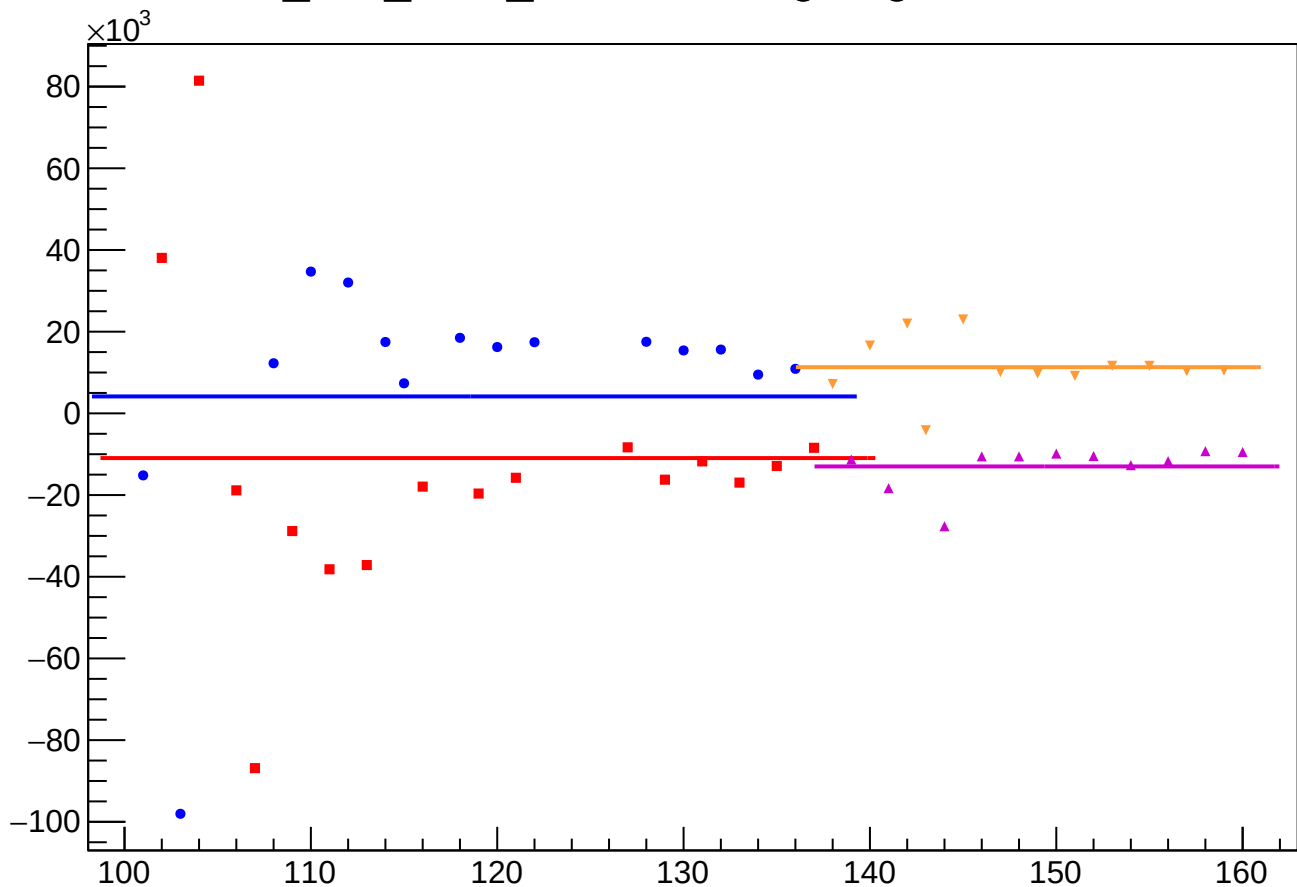
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

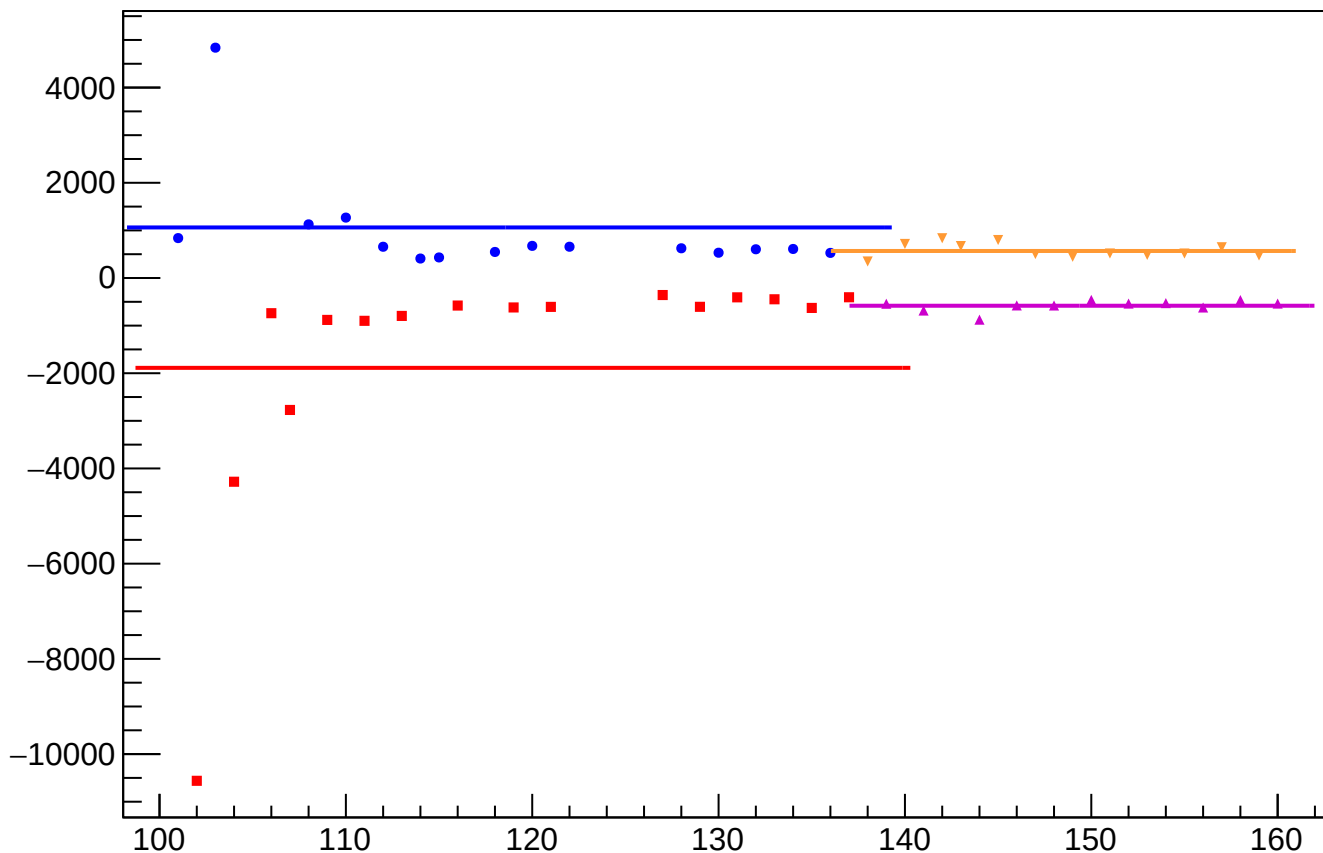
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl1_coil7_mean vs Slug, Sign Corrected



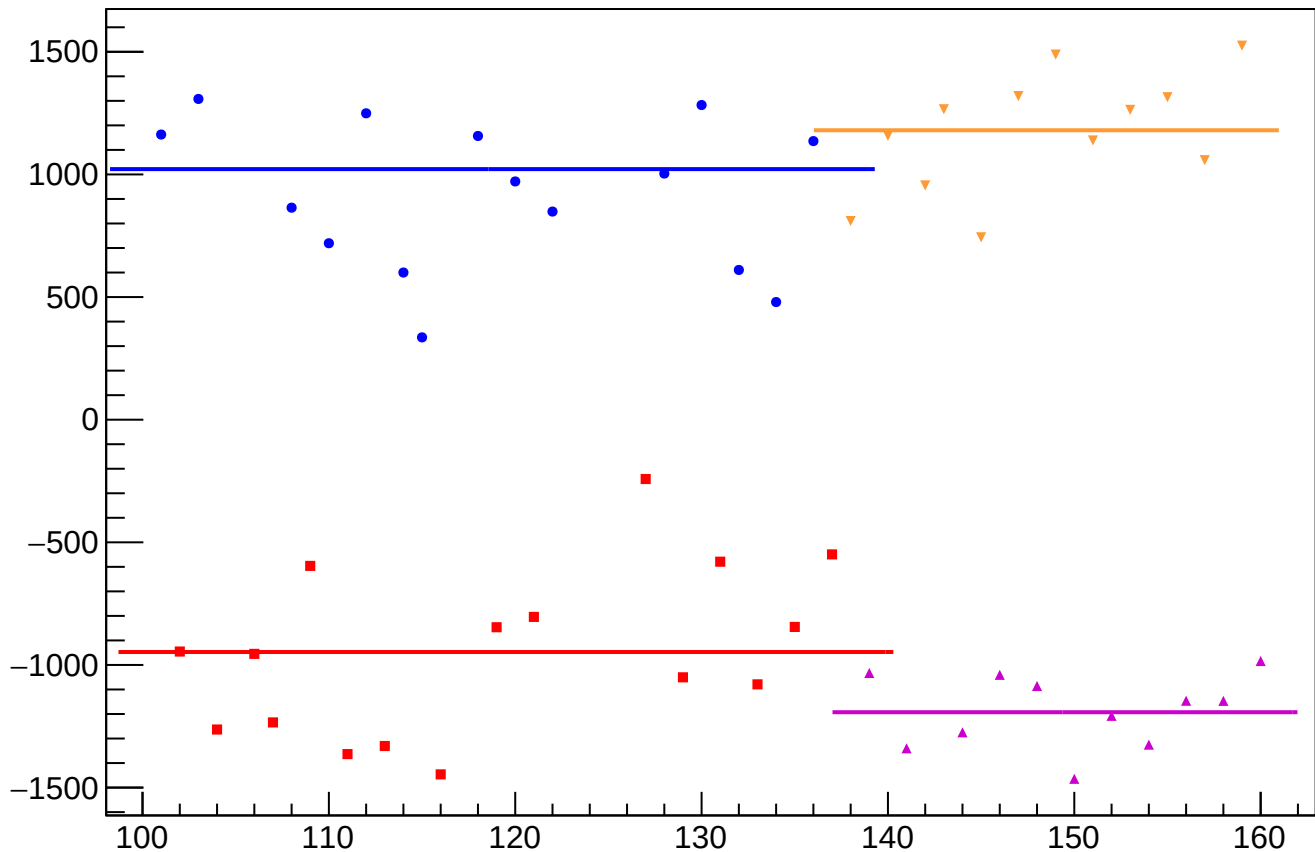
Left: -909.343 ± 0.000 $\chi^2/\text{NDF}: 334047502497759$
 Right In: 4145.268 ± 0.000 $\chi^2/\text{NDF}: 763693998395064689637972381933507648159744.0/14$
 Right: -3504.625 ± 0.000 $\chi^2/\text{NDF}: 1712578788282$
 Left Out: 11307.773 ± 0.000 $\chi^2/\text{NDF}: 36281065862244259787300982388178548686848.0/11$
 In: -5922.694 ± 0.000 $\chi^2/\text{NDF}: 902084767732052$
 Right Out: -10948.073 ± 0.000 $\chi^2/\text{NDF}: 873949668510327201514601463115396191092736.0/15$
 Out: 1918.368 ± 0.000 $\chi^2/\text{NDF}: 110122853896245$
 Left In: -12994.239 ± 0.000 $\chi^2/\text{NDF}: 26399397473209063315648711040224276250624.0/10$
 All: -1992.219 ± 0.000 $\chi^2/\text{NDF}: 2051791747$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Left Out: 567.733+/-0.000 χ^2/NDF : 17522884747687495168010192179255312384.0/11
 Right Out: -1887.077+/-0.000 χ^2/NDF : 5525872718363845620366029387569058283520.0/15
 Left In: -582.413+/-0.000 χ^2/NDF : 118601444625381813814678965729624064.0/10
 All: -186.618+/-0.000 χ^2/NDF : 10113638171

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

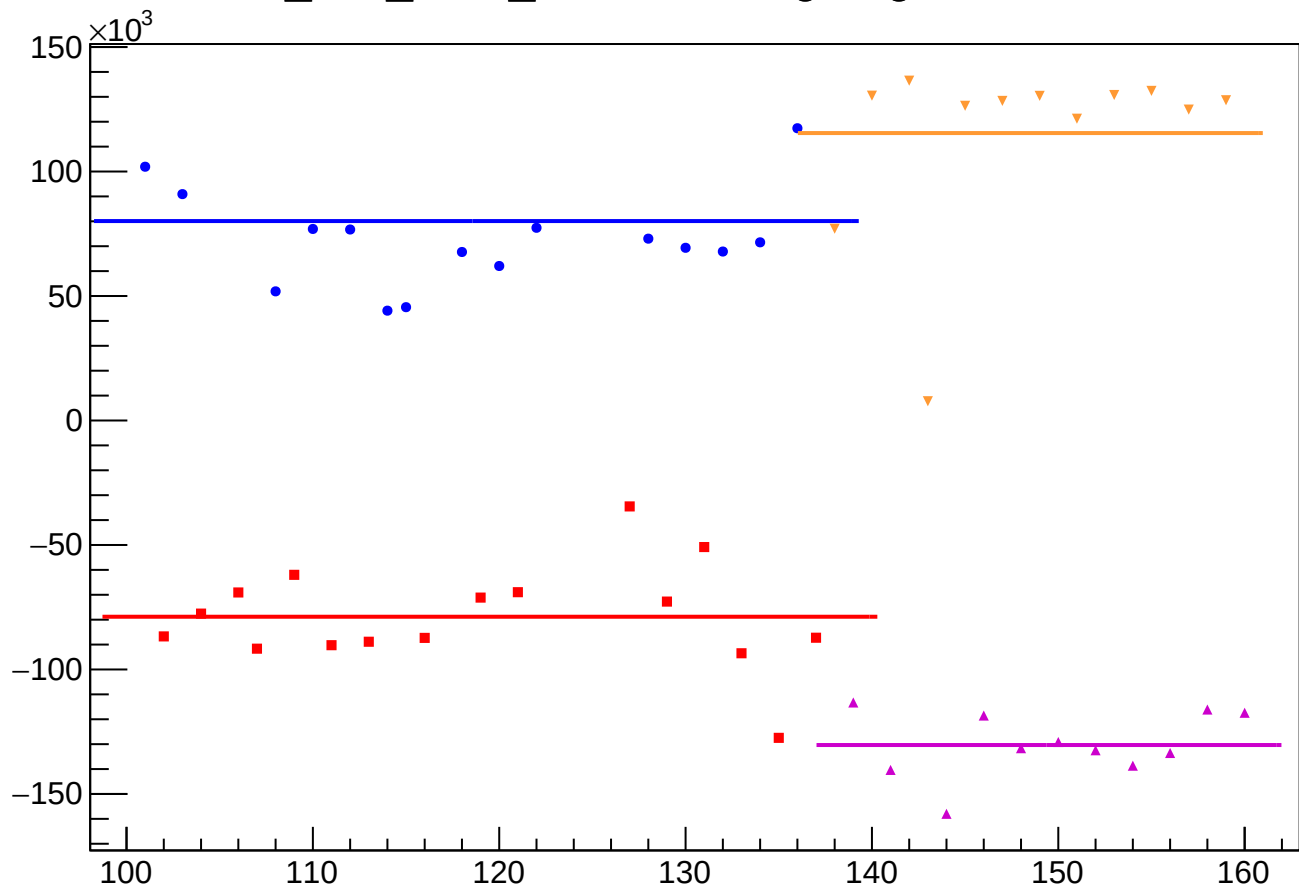
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 80102.504+/-0.000

χ^2/NDF : 254521784097258654723607522631742465769472.0/14

Left Out: 115448.893+/-0.000

χ^2/NDF : 1038801657464811255416211206986838896017408.0/11

Right Out: -78815.832+/-0.000

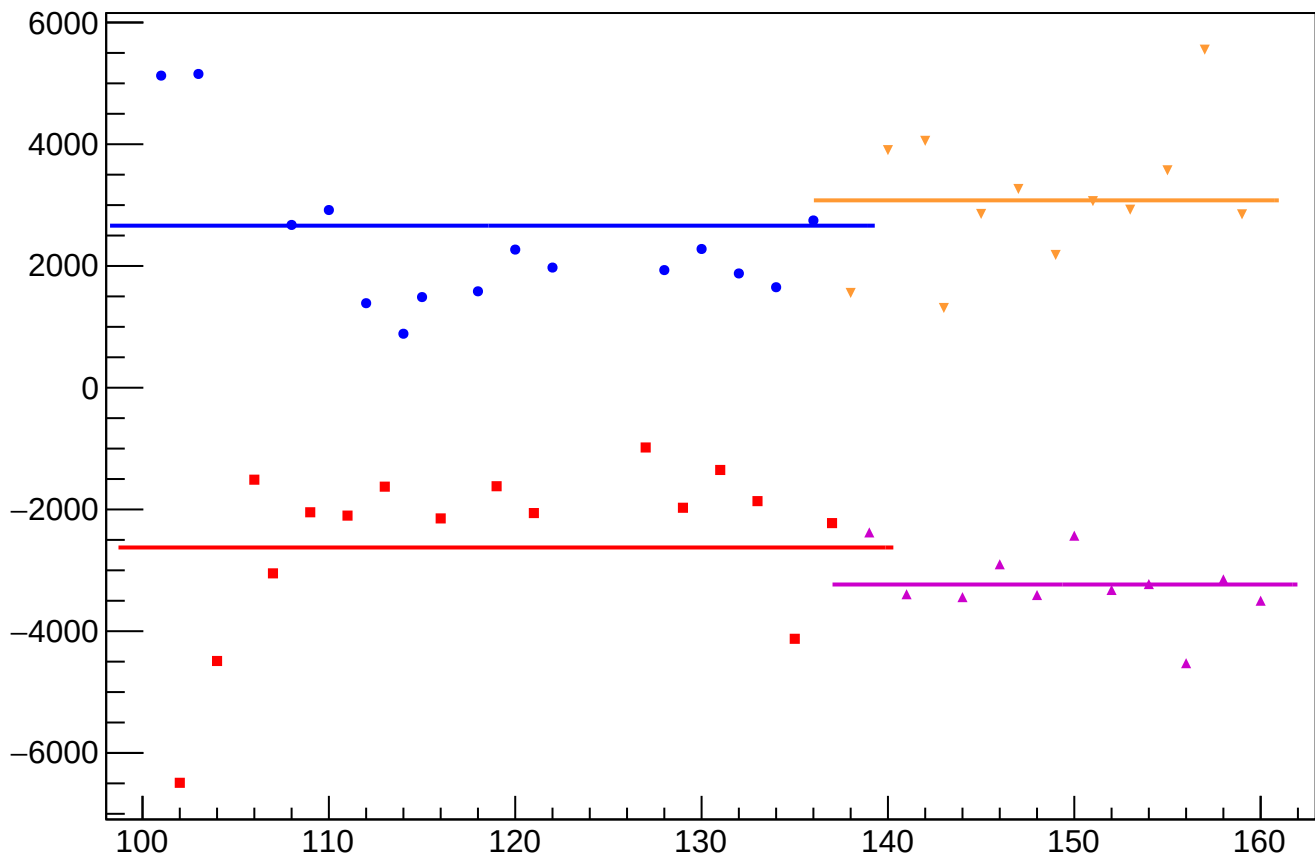
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

Left In: -130346.244+/-0.000

χ^2/NDF : 148174871015439819820100459279999278514176.0/10

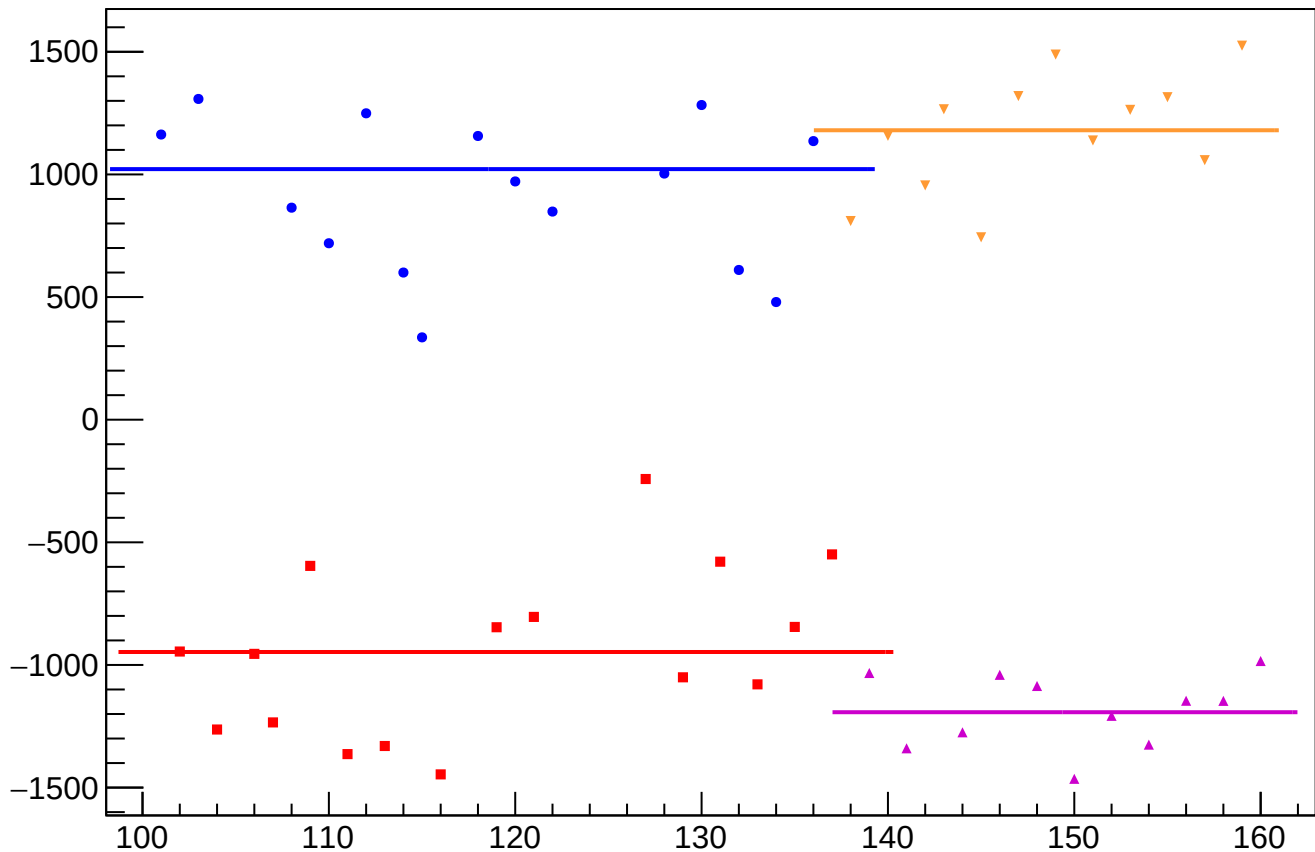
All: -4915.433+/-0.000 χ^2/NDF : 3784007443

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2662.183+/-0.000 χ^2/NDF : 1031389230165640157864439705583367487488.0/14
 Left Out: 3077.945+/-0.000 χ^2/NDF : 1073709891492389198093936322660595138560.0/11
 Right Out: -2624.696+/-0.000 χ^2/NDF : 1566705216866534713590934835660406652928.0/15
 Left In: -3232.879+/-0.000 χ^2/NDF : 275721007613891276741007240283331493888.0/10
 All: -62.414+/-0.000 χ^2/NDF : 314460236947

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

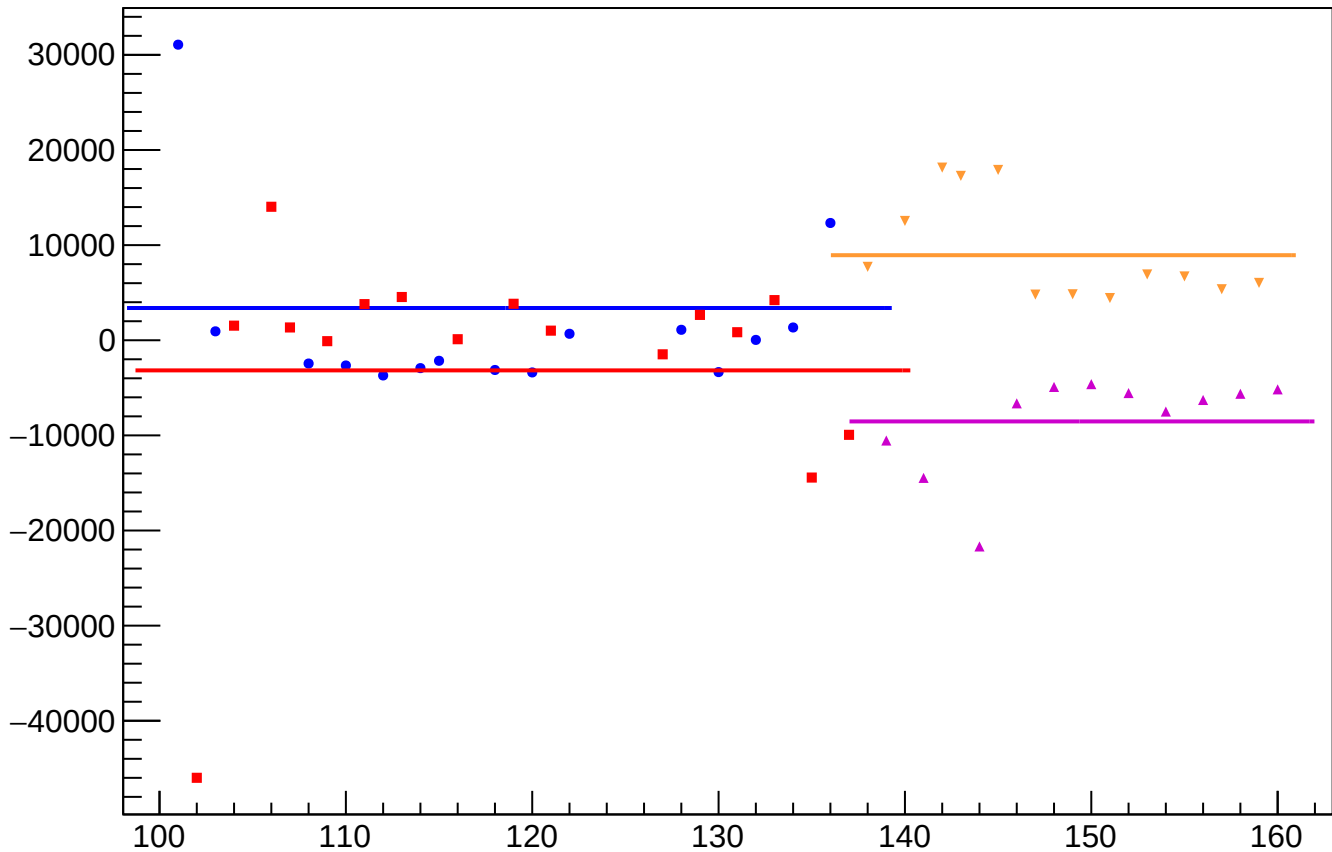
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

Left Out: 8941.712+/-0.000

χ^2/NDF : 22757542723529976862924189628837264359424.0/11

Right Out: -3167.396+/-0.000

χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -8532.821+/-0.000

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

Left: 156.909+/-0.000 χ^2/NDF : 1873655199537507

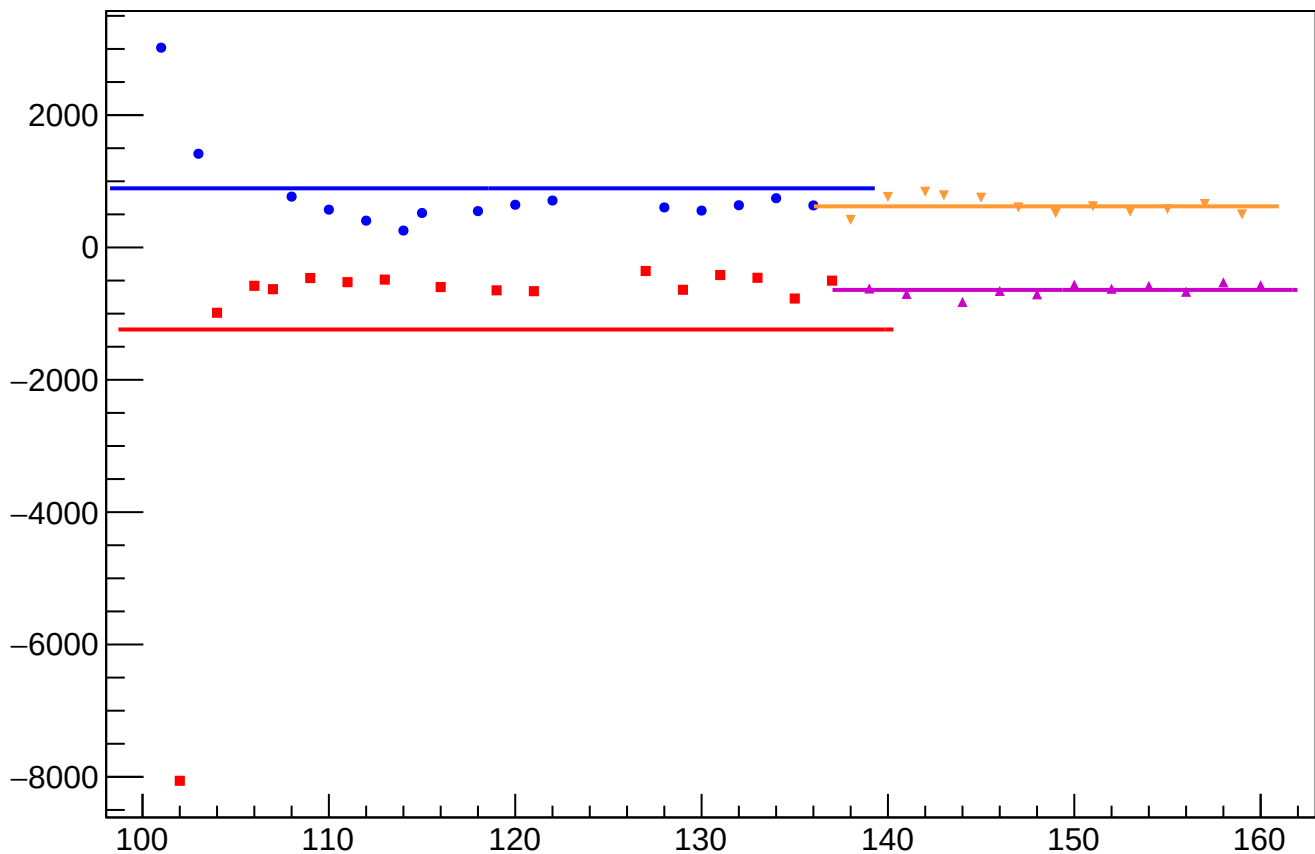
Right: 66.728+/-0.000 χ^2/NDF : 2177723560844725

In: -3613.388+/-0.000 χ^2/NDF : 144369798447171

Out: 3833.063+/-0.000 χ^2/NDF : 217052558141828

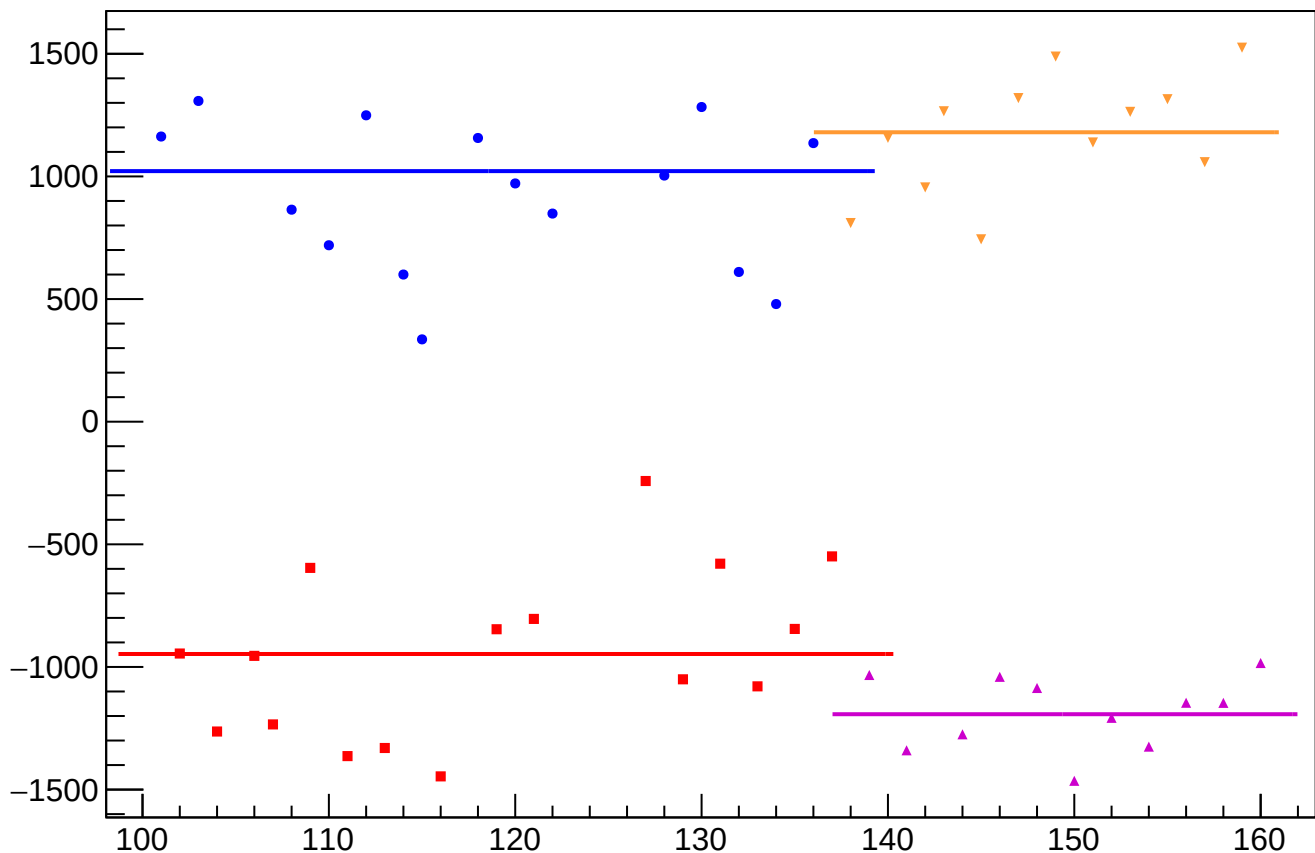
All: 119.281+/-0.000 χ^2/NDF : 405144112898

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



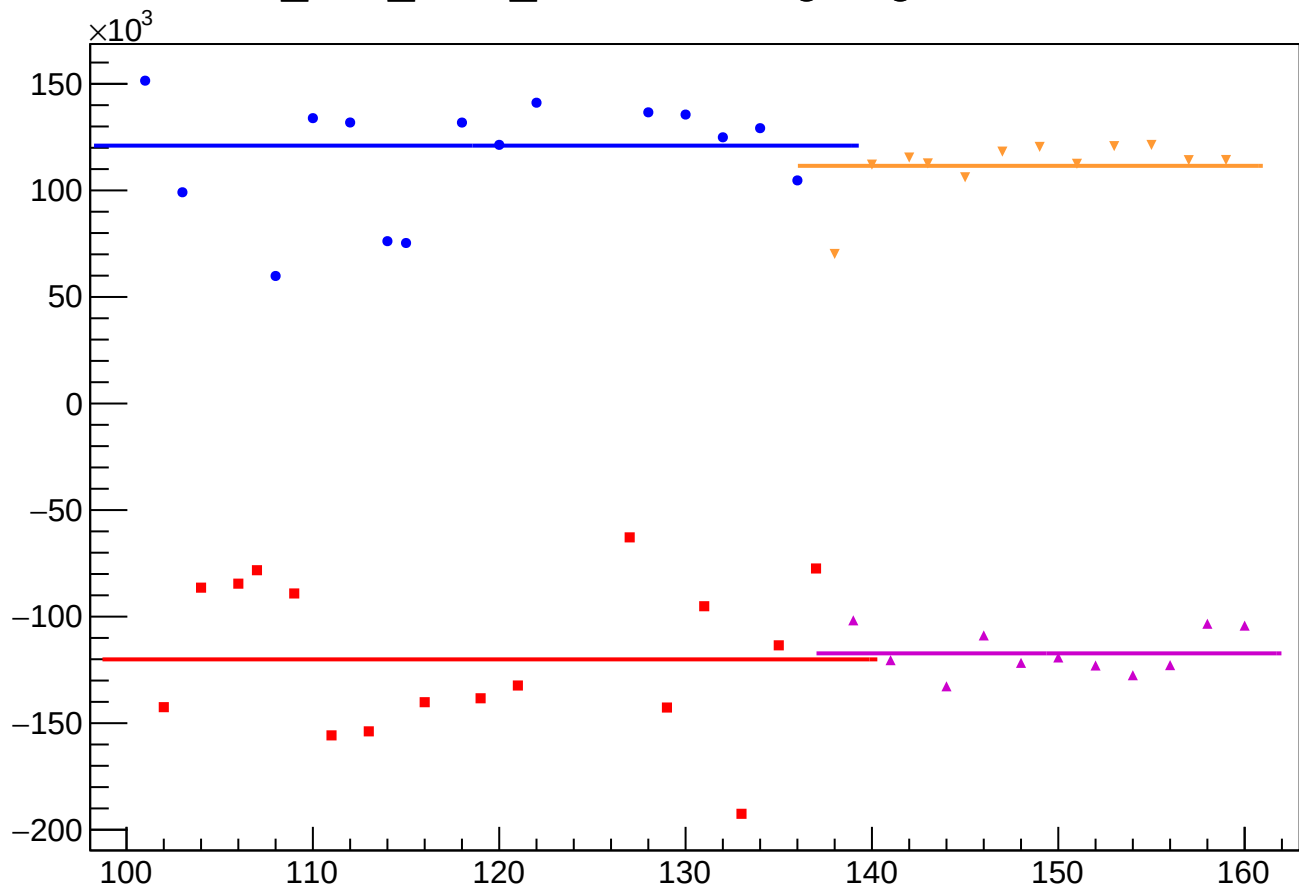
Right In: 893.683 $\pm$ 0.000 χ^2 /NDF: 334583619078631008932404228227359309824.0/14
 Left Out: 621.395 $\pm$ 0.000 χ^2 /NDF: 13220761349033595391183034930255888384.0/11
 Right Out: -1239.298 $\pm$ 0.000 χ^2 /NDF: 2970990859486483990408108918937565003776.0/15
 Left In: -641.490 $\pm$ 0.000 χ^2 /NDF: 6047241871046466320943152926715543552.0/10
 All: -86.047 $\pm$ 0.000 χ^2 /NDF: 557740460848

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



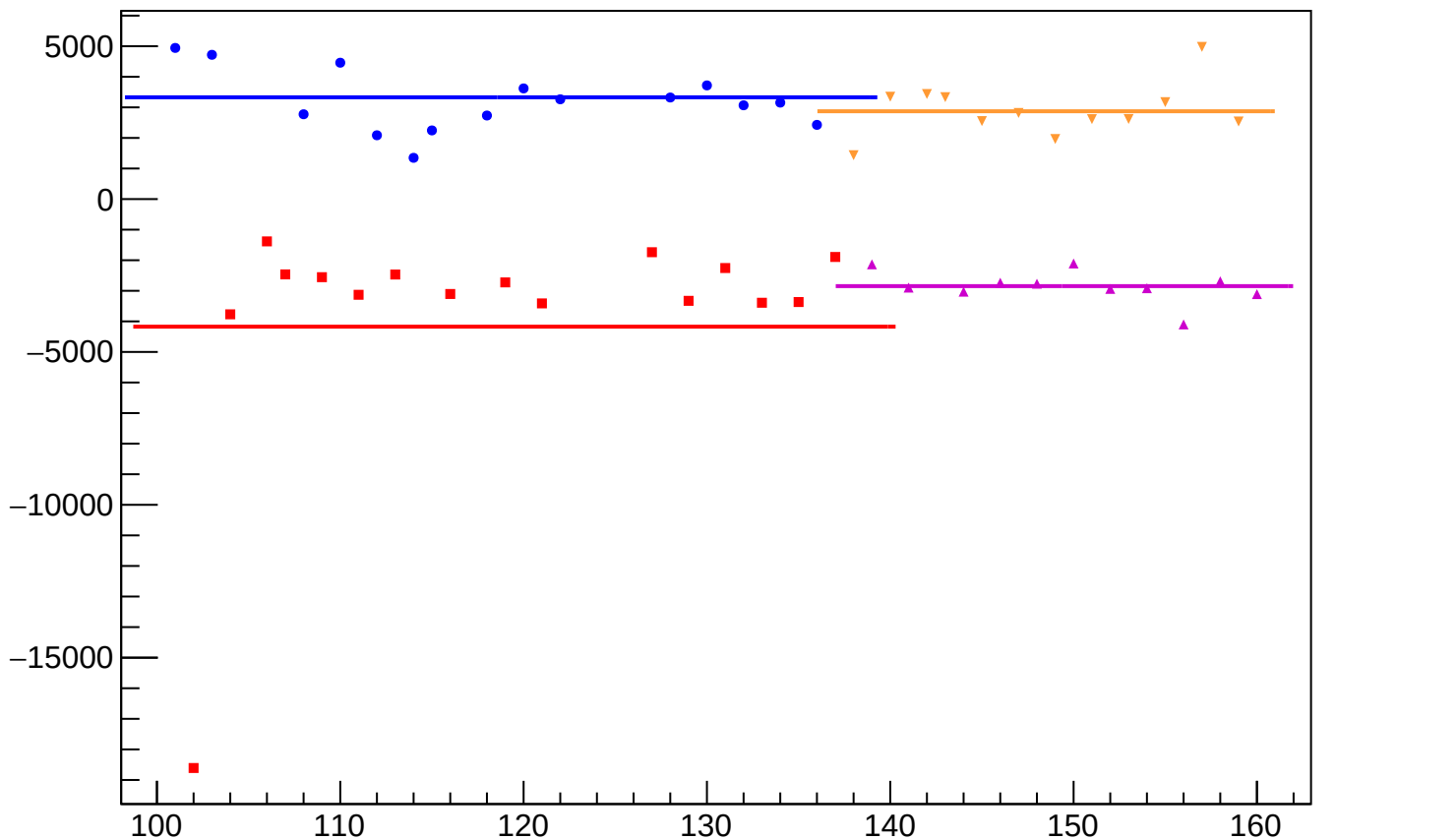
Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_atr2_coil7_mean vs Slug, Sign Corrected



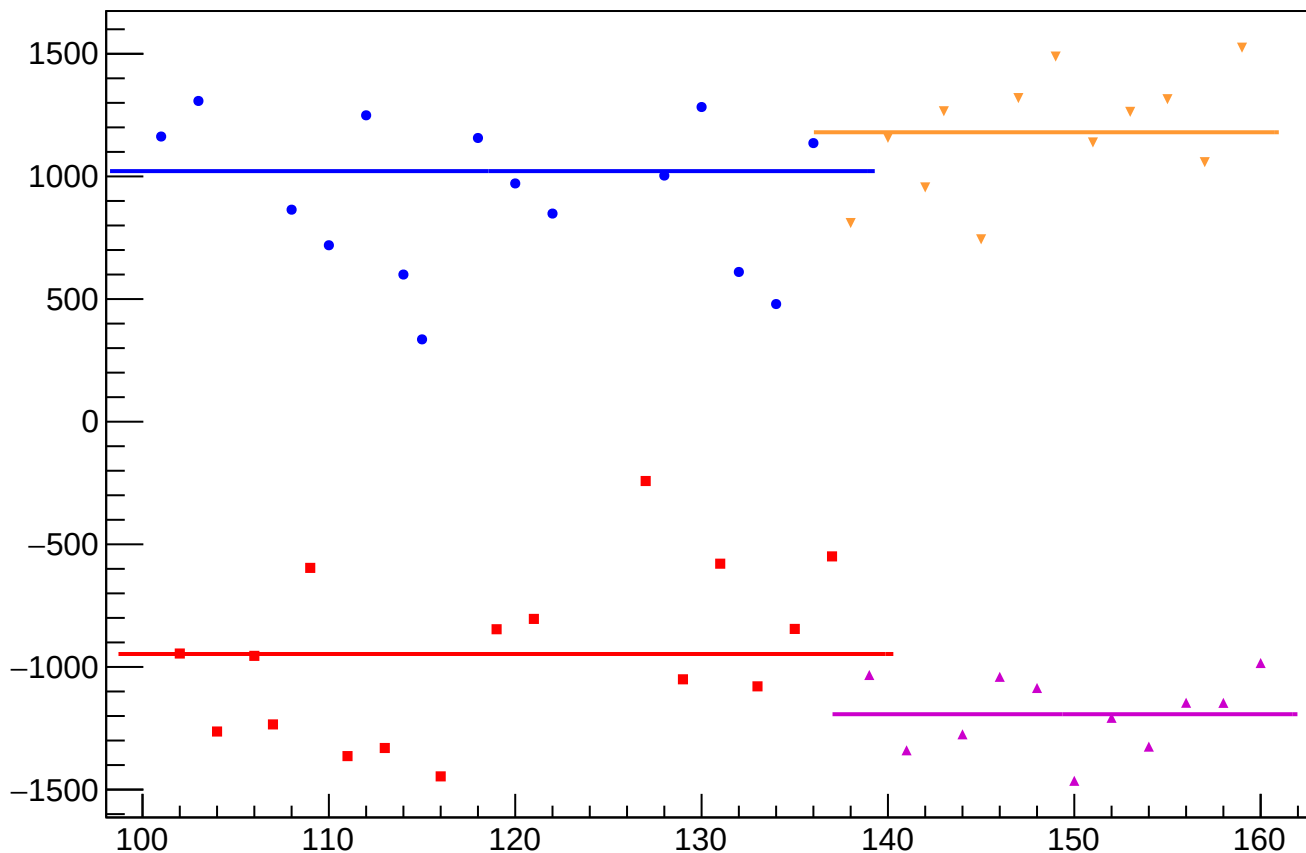
Right In: 121016.482 $\pm$ 0.000 χ^2 /NDF: 358713856404303554987784975983609668173824.0/14
 Left Out: 111531.681 $\pm$ 0.000 χ^2 /NDF: 162724299829921950370834246417372913074176.0/11
 Right Out: -120060.693 $\pm$ 0.000 χ^2 /NDF: 828419782346707601448620310014135952736256.0/15
 Left In: -117237.465 $\pm$ 0.000 χ^2 /NDF: 92299527706158063096544434206678792011776.0/10
 All: -2513.712 $\pm$ 0.000 χ^2 /NDF: 4461091057

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



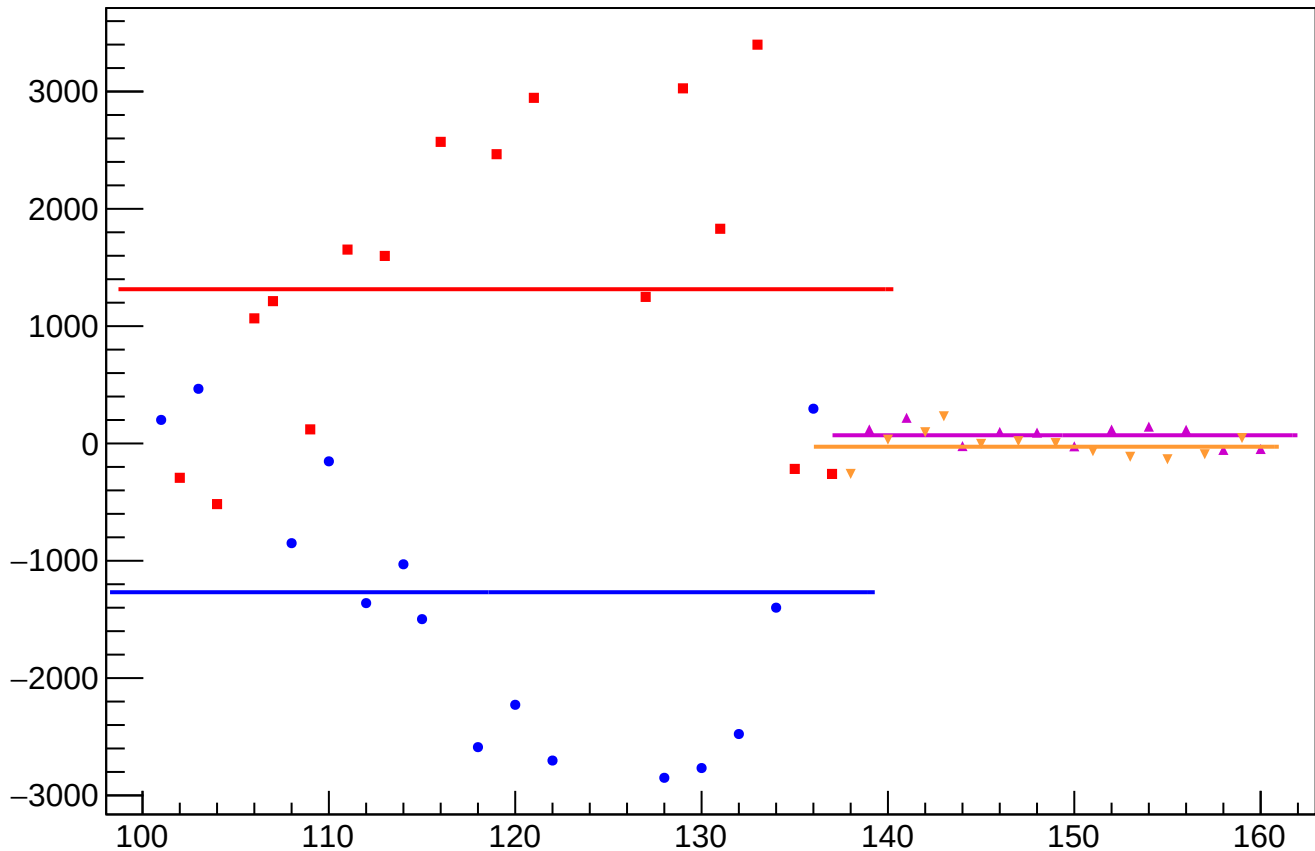
Left: -2.554 ± 0.000 $\chi^2/\text{NDF}: 15921502408931202$
 Right In: 3329.488 ± 0.000 $\chi^2/\text{NDF}: 567034774398456376227526824513721335808.0/14$
 Right: -473.285 ± 0.000 $\chi^2/\text{NDF}: 32582486462967$
 Left Out: 2872.567 ± 0.000 $\chi^2/\text{NDF}: 662883582778902790585902196636778496000.0/11$
 In: 298.400 ± 0.000 $\chi^2/\text{NDF}: 1533808541348253$
 Right Out: -4173.434 ± 0.000 $\chi^2/\text{NDF}: 13498246551537992400095003154682468106240.0/15$
 Out: -100.034 ± 0.000 $\chi^2/\text{NDF}: 333048130531602$
 Left In: -2846.559 ± 0.000 $\chi^2/\text{NDF}: 229557109736682123603885764134616170496.0/10$
 All: -198.965 ± 0.000 $\chi^2/\text{NDF}: 48673924762$

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



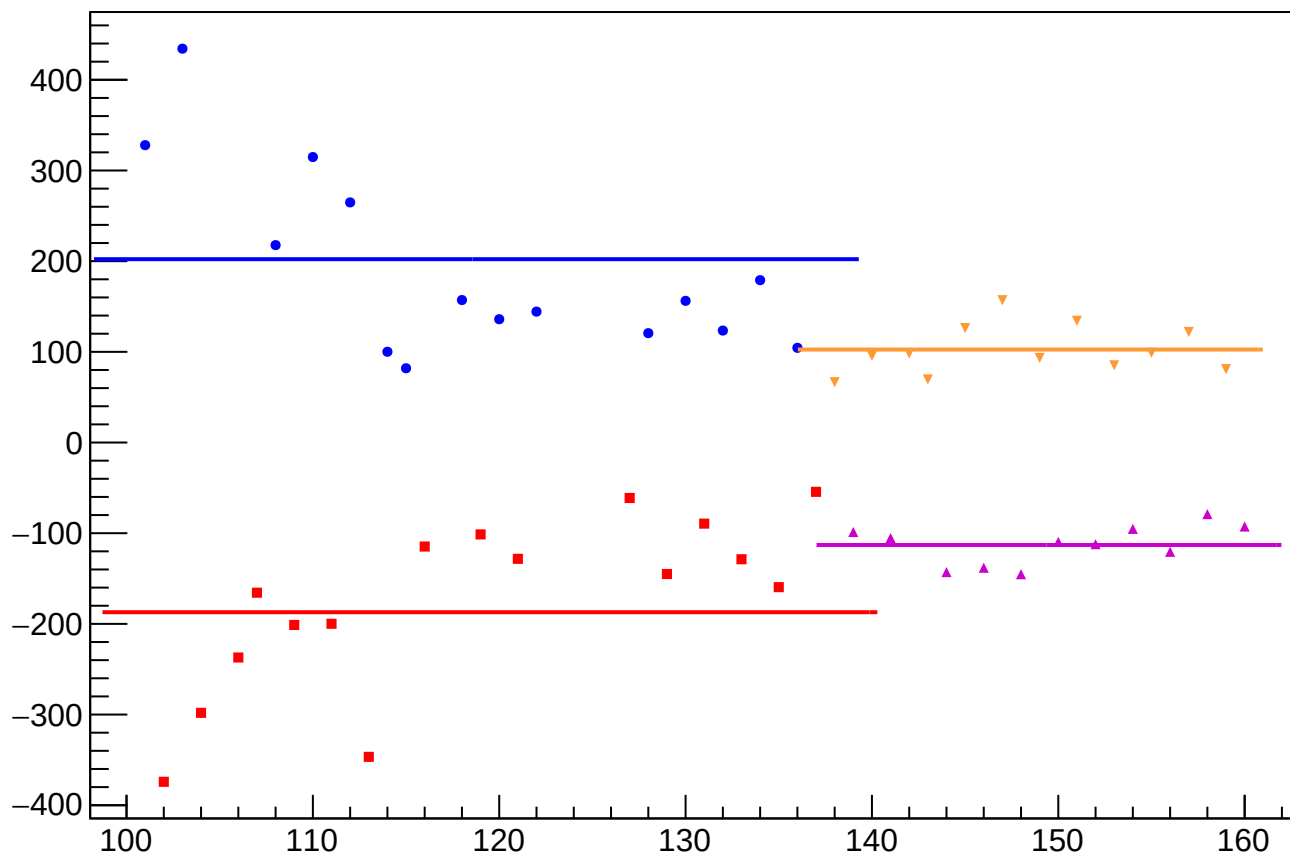
Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_sam1_coil7_mean vs Slug, Sign Corrected



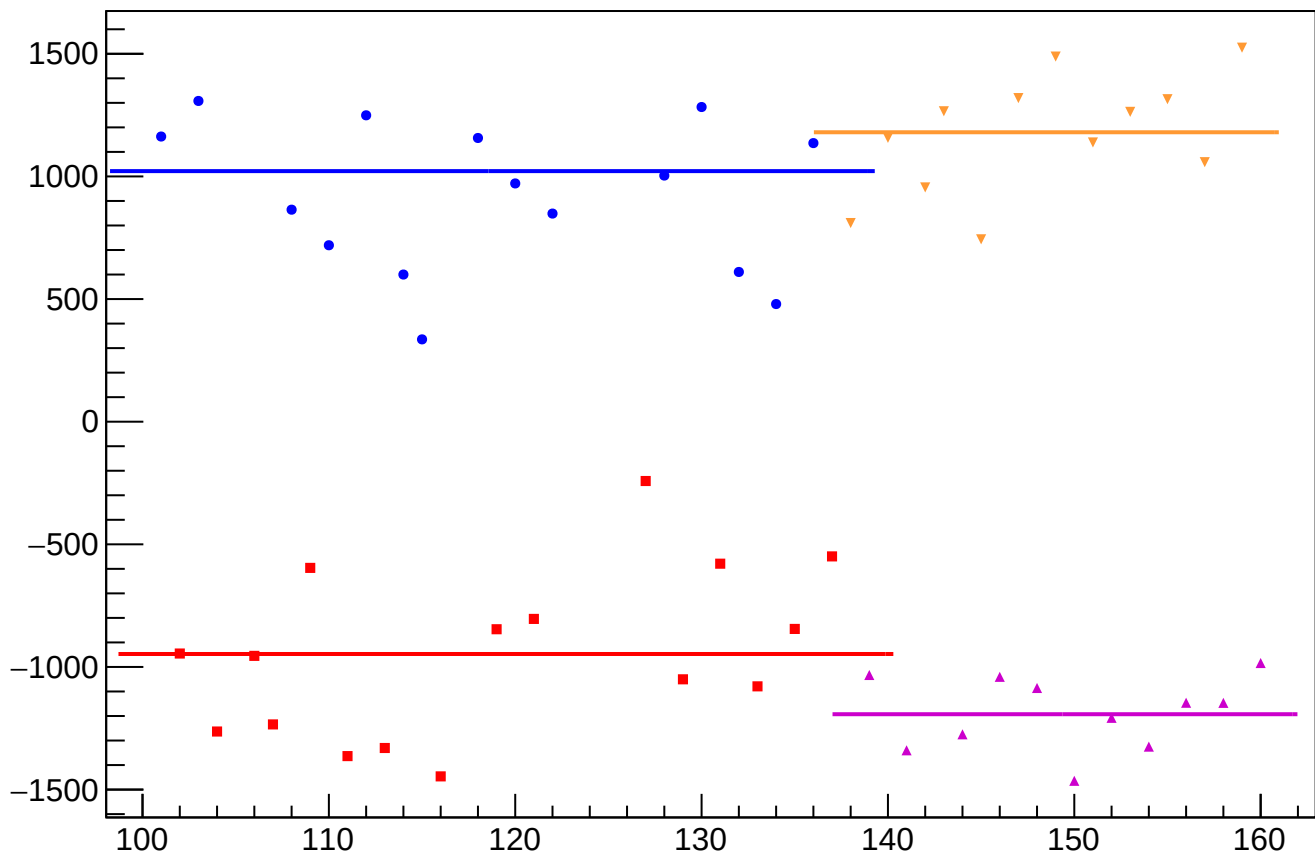
Left: 21.337 $\pm$ 0.000 χ^2/NDF : 23678457867018899
 Right In: -1268.061 $\pm$ 0.000 χ^2/NDF : 1092280760288833856070470490800647045120.0/14
 Right: 41.017 $\pm$ 0.000 χ^2/NDF : 4385100658196815
 Left Out: -27.745 $\pm$ 0.000 χ^2/NDF : 12401866293776389782406733193877127168.0/11
 In: -482.133 $\pm$ 0.000 χ^2/NDF : 1781620225198016
 Right Out: 1314.767 $\pm$ 0.000 χ^2/NDF : 1098471313864079013714609379653260935168.0/15
 Out: 538.641 $\pm$ 0.000 χ^2/NDF : 1805860646471756
 Left In: 69.887 $\pm$ 0.000 χ^2/NDF : 6896729055106095492675290775544659968.0/10
 All: 29.548 $\pm$ 0.000 χ^2/NDF : 4409076158029

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



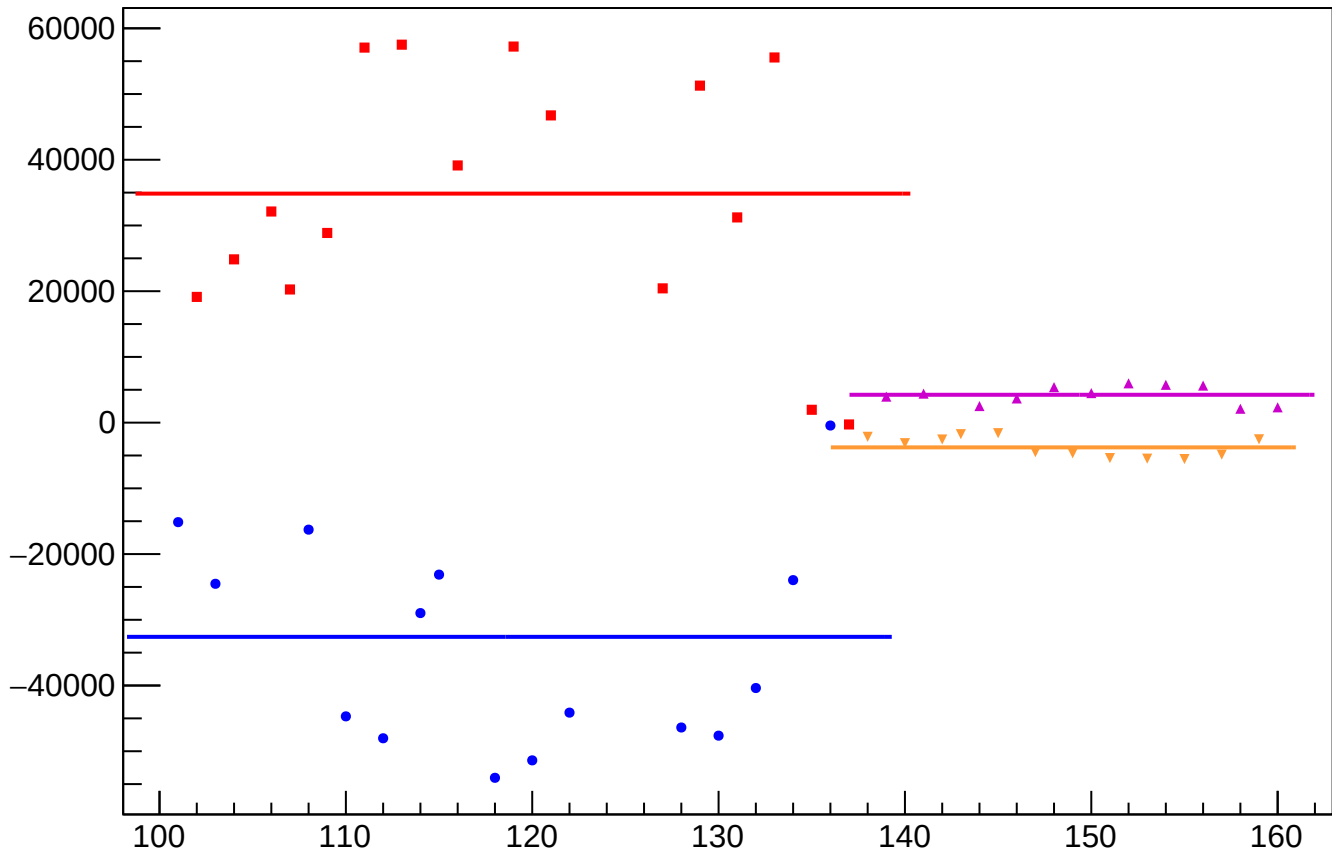
Right In: 202.191 $\pm$ 0.000 χ^2 /NDF: 7027941052752849066369040650615128064.0/14
 Left Out: 102.547 $\pm$ 0.000 χ^2 /NDF: 631914374783938330949359707000668160.0/11
 Right Out: -187.126 $\pm$ 0.000 χ^2 /NDF: 6230029491605524746936515809941389312.0/15
 Left In: -112.981 $\pm$ 0.000 χ^2 /NDF: 399082569166702797505998561799569408.0/10
 All: -1.350 $\pm$ 0.000 χ^2 /NDF: 8557691672482

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



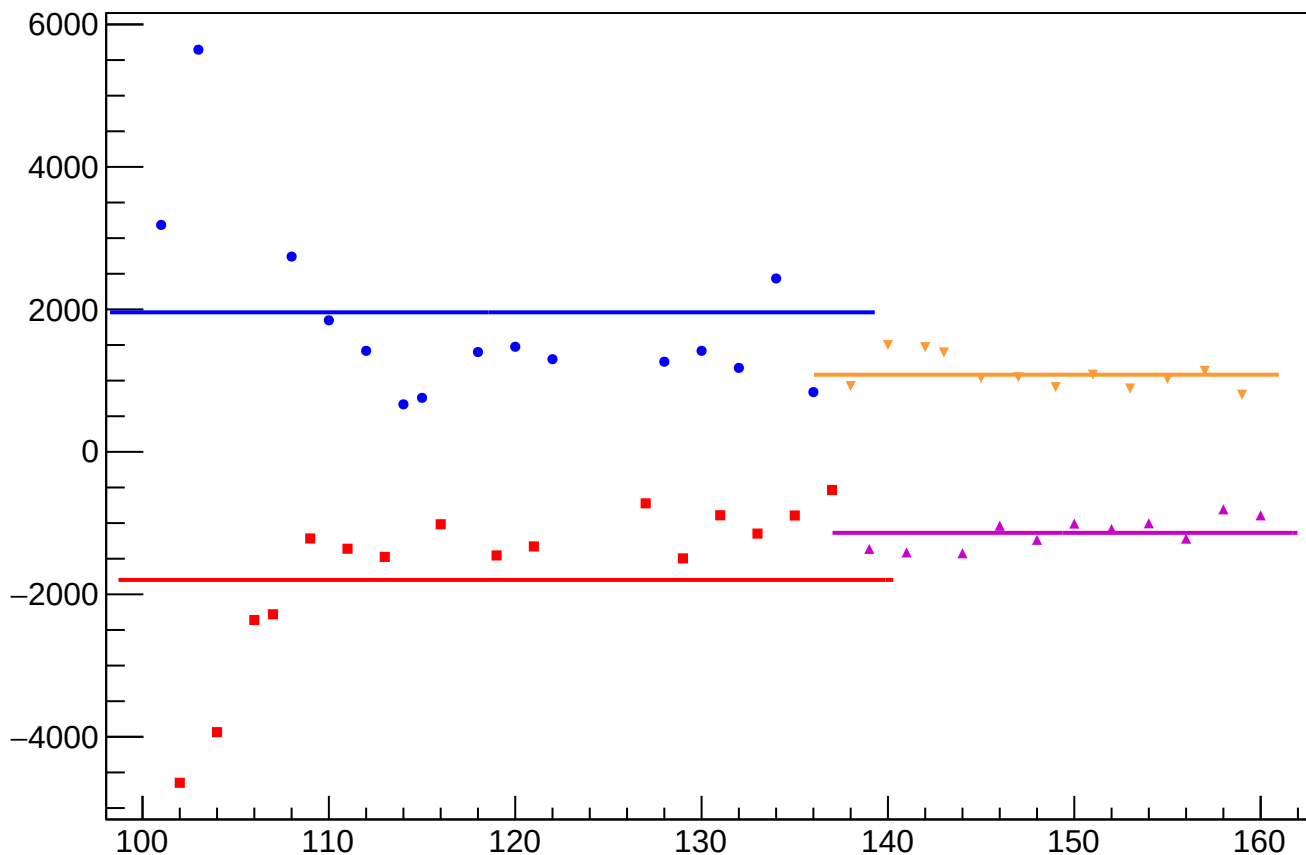
Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam2_coil7_mean vs Slug, Sign Corrected



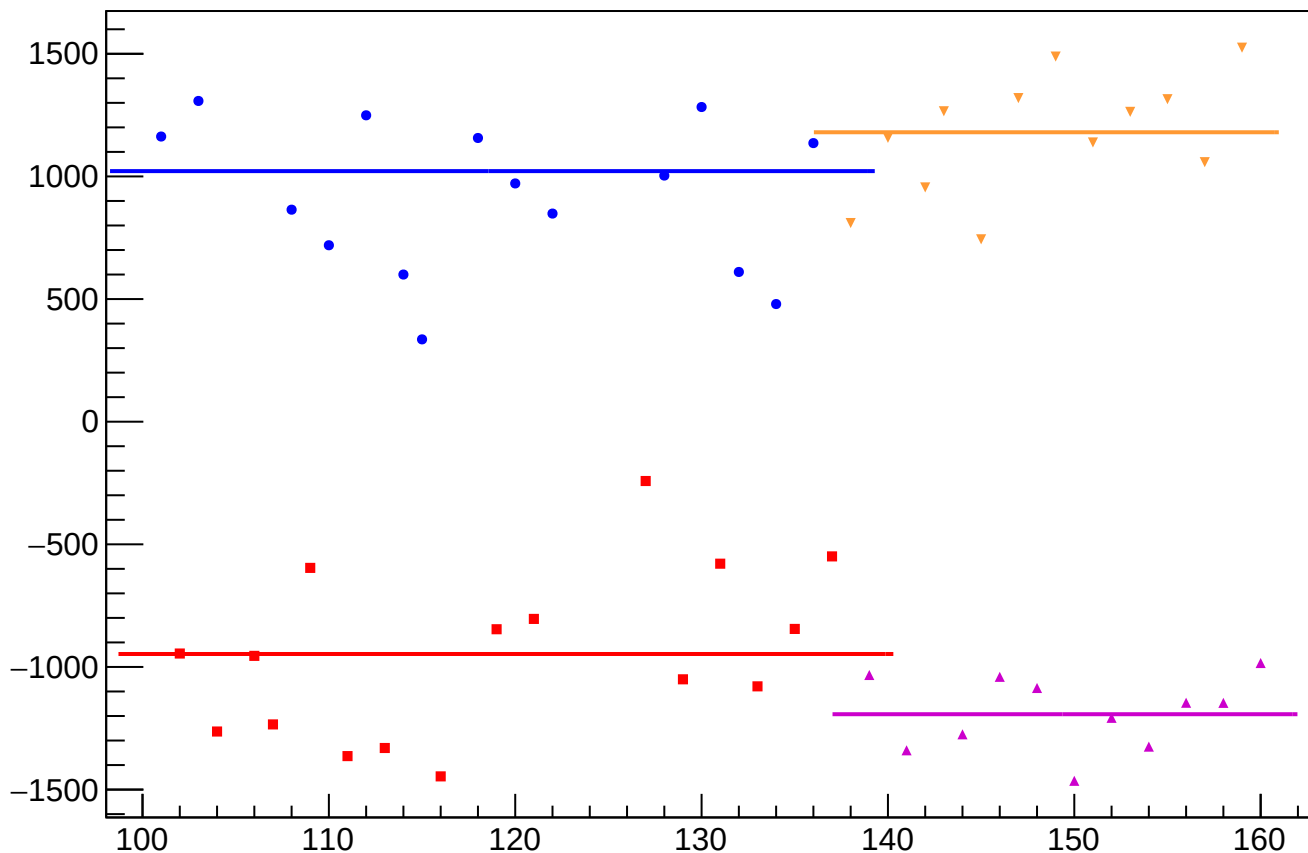
Left: 258.769 +/- 0.000 χ^2/NDF : 3307838906782510
 Right: 1587.778 +/- 0.000 χ^2/NDF : 19264741132603
 In: -10958.371 +/- 0.000 χ^2/NDF : 72805115559087
 Out: 12525.397 +/- 0.000 χ^2/NDF : 79801092816696
 All: 813.296 +/- 0.000 χ^2/NDF : 196090705413

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



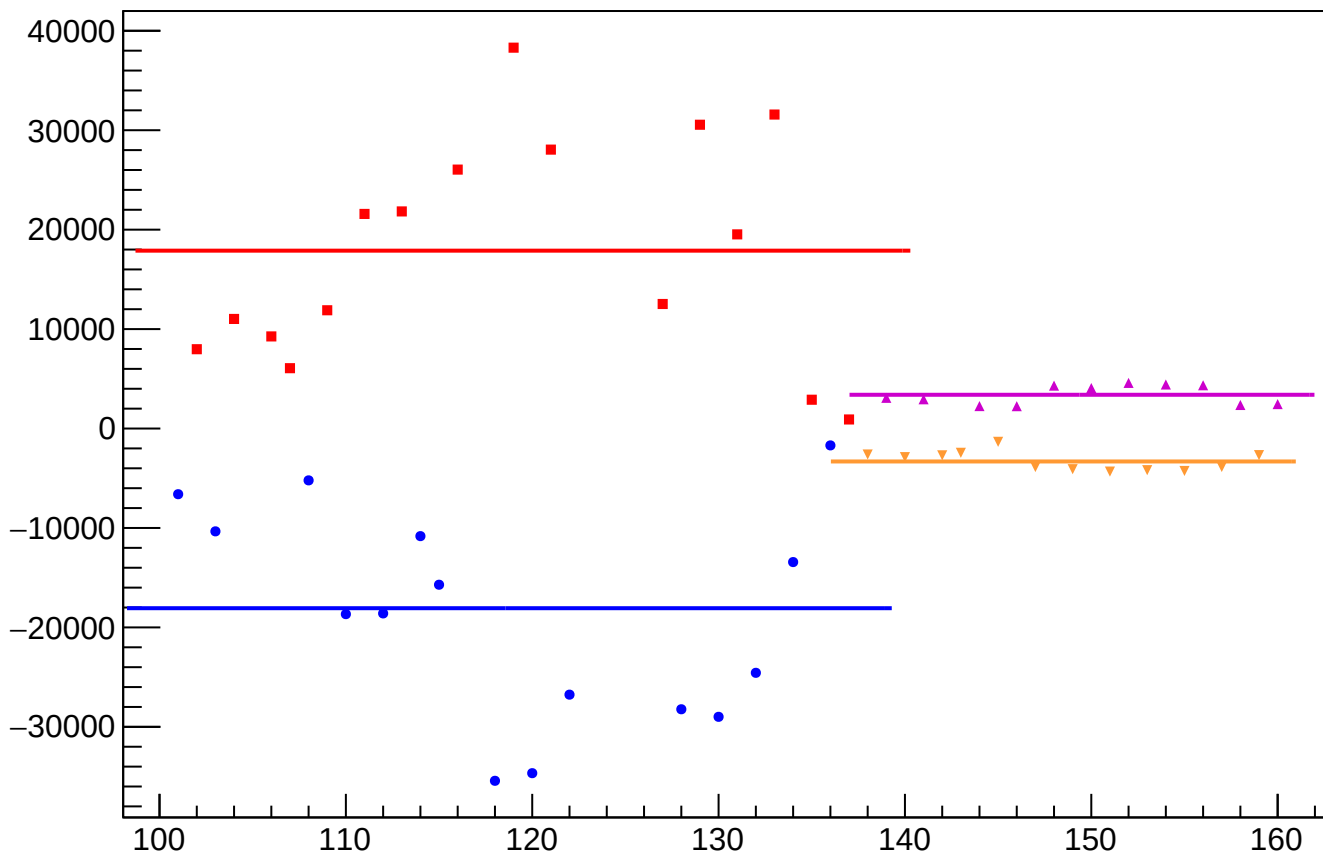
Right In: 1958.835+/-0.000 χ^2/NDF : 1189322999631358431600643692981190131712.0/14
 Left Out: 1082.769+/-0.000 χ^2/NDF : 42435467592938018504955570075058831360.0/11
 Right Out: -1797.392+/-0.000 χ^2/NDF : 955096623879958195657195074614240215040.0/15
 Left In: -1136.738+/-0.000 χ^2/NDF : 36660640388160233770492299797174681600.0/10
 All: 3.718+/-0.000 χ^2/NDF : 91340604590309

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



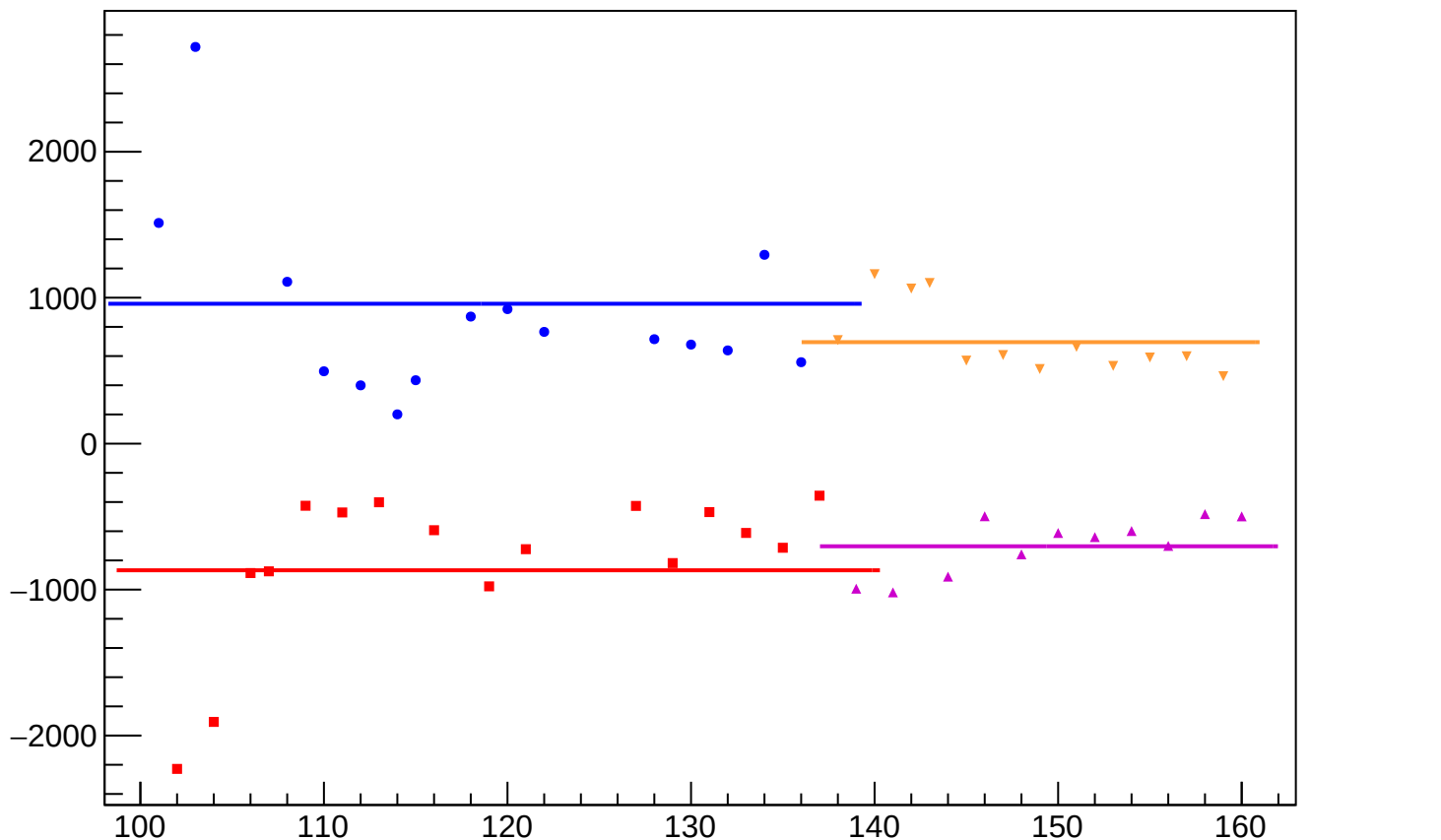
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_sam3_coil7_mean vs Slug, Sign Corrected



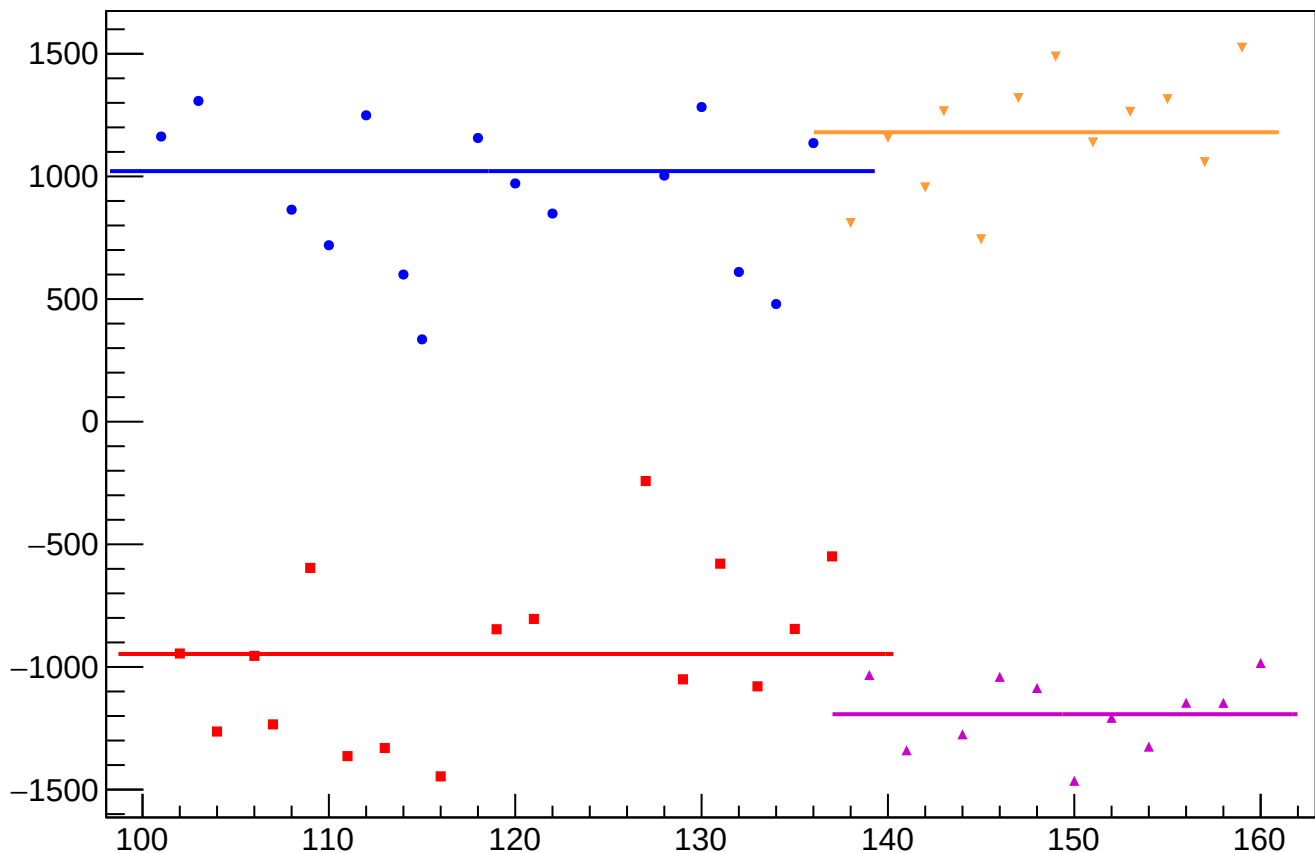
Left: 59.413+/-0.000 χ^2/NDF : 2224729910575058
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Right: 155.704+/-0.000 χ^2/NDF : 587997392225656
 Left Out: -3312.000+/-0.000 χ^2/NDF : 776933675153970093414497932746986356736.0/11
 In: -5460.979+/-0.000 χ^2/NDF : 260733217471185
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 Out: 5632.022+/-0.000 χ^2/NDF : 252490604130367
 Left In: 3394.339+/-0.000 χ^2/NDF : 804969095824057391704293669390893711360.0/10
 All: 99.590+/-0.000 χ^2/NDF : 6102518020061

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



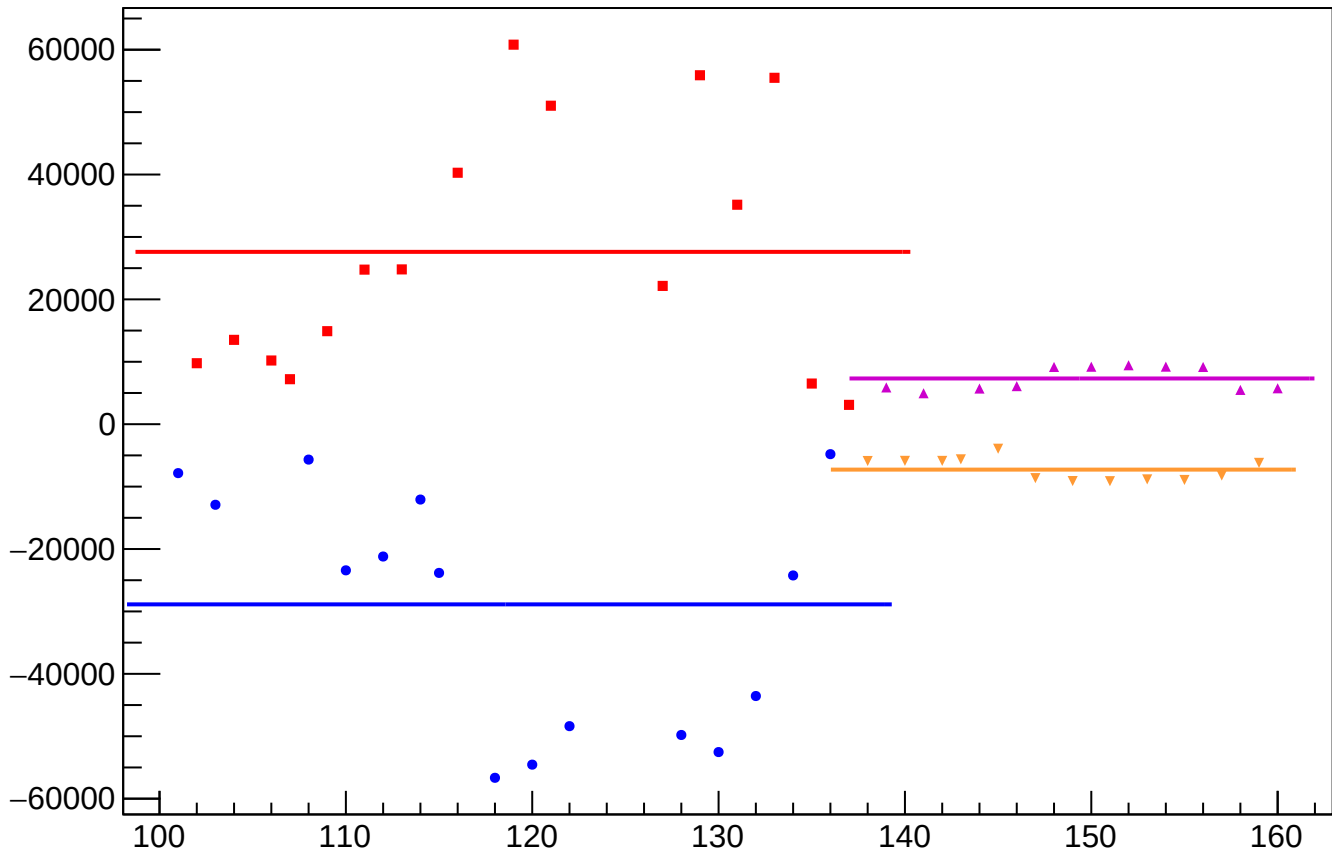
Right In: 958.411+/-0.000 χ^2/NDF : 264733105058522822278137197070739570688.0/14
 Left Out: 695.356+/-0.000 χ^2/NDF : 48004139750379541003610269806183317504.0/11
 Right Out: -867.538+/-0.000 χ^2/NDF : 216129851545166714122252317604488151040.0/15
 Left In: -703.169+/-0.000 χ^2/NDF : 32040531861451426969939944767733366784.0/10
 All: 9.254+/-0.000 χ^2/NDF : 25575818346098

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



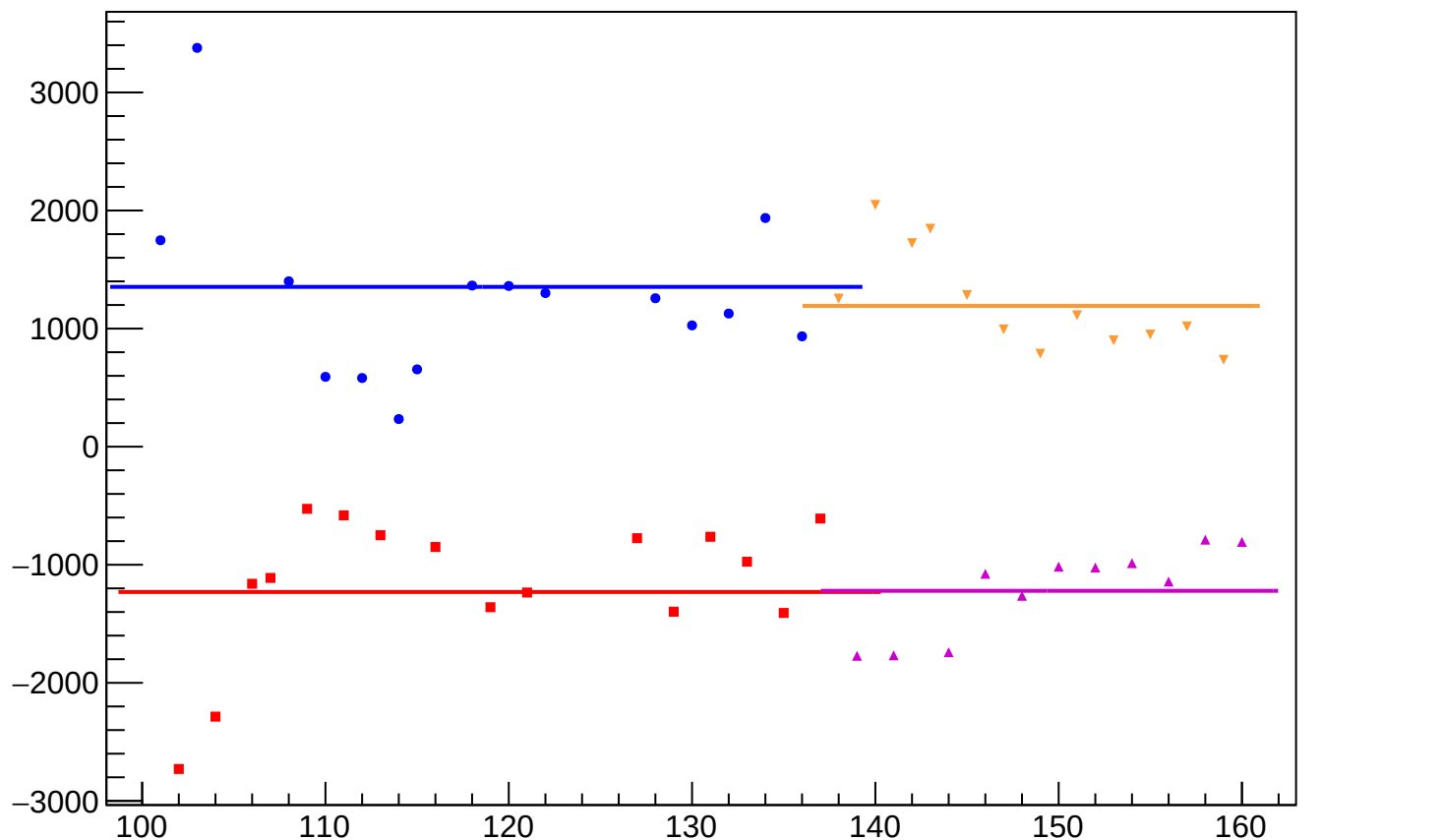
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_sam4_coil7_mean vs Slug, Sign Corrected



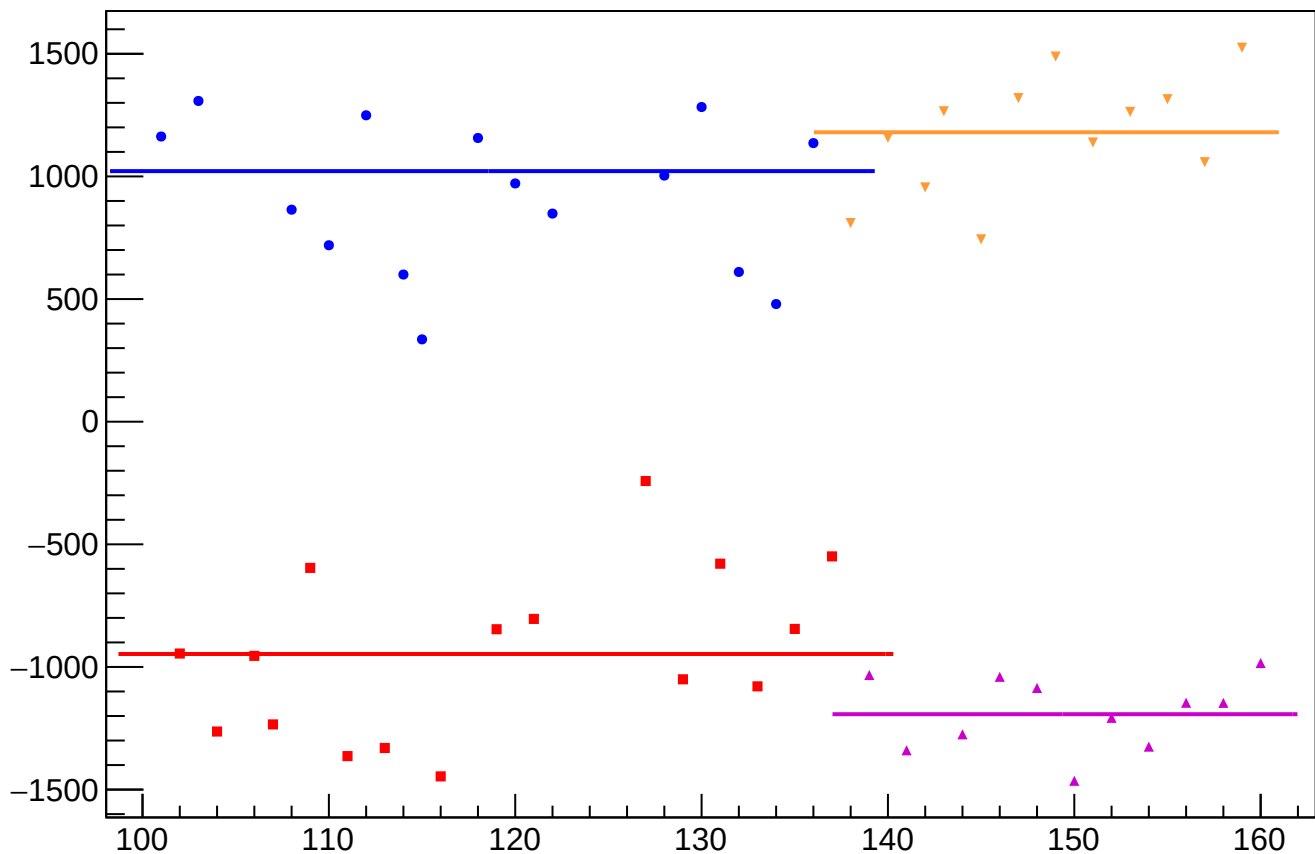
Right In: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left Out: -7277.886+/-0.000 χ^2/NDF : 2738867305918098068317388239234104557568.0/11
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Left In: 7325.095+/-0.000 χ^2/NDF : 3045991167952377112422516937599716687872.0/10
 All: -64.332+/-0.000 χ^2/NDF : 166268033579

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



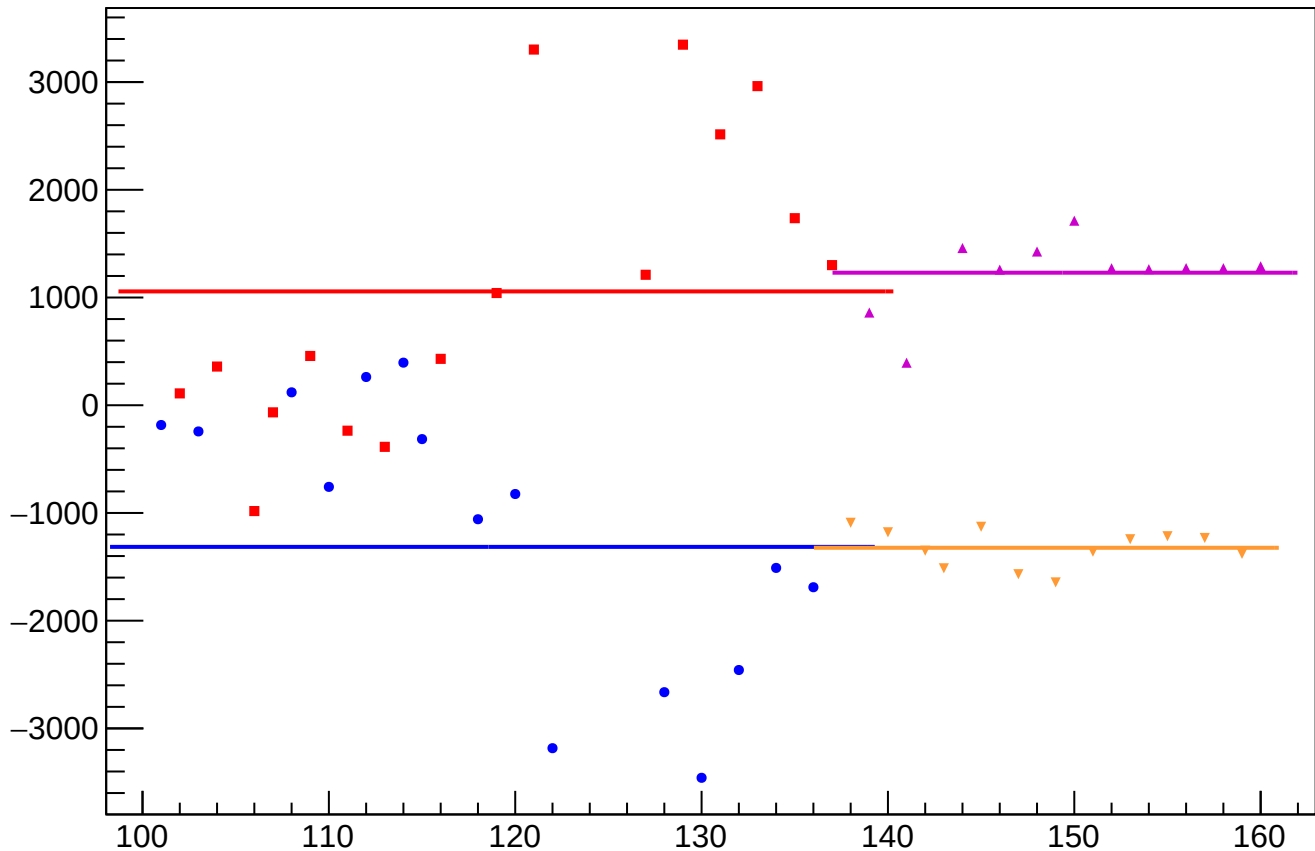
Right In: 1353.413 $\pm$ 0.000 χ^2 /NDF: 352887966702770713373861839880553758720.0/14
 Left Out: 1192.275 $\pm$ 0.000 χ^2 /NDF: 150893742871936420702627399426239365120.0/11
 Right Out: -1230.633 $\pm$ 0.000 χ^2 /NDF: 276989454129150005656872744539903754240.0/15
 Left In: -1220.761 $\pm$ 0.000 χ^2 /NDF: 116296897250486719965341990830940880896.0/10
 All: 6.116 $\pm$ 0.000 χ^2 /NDF: 57721489770329

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782 ± 0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

Left Out: -1323.142 ± 0.000

χ^2/NDF : 27180584789293911694803613303409999872.0/11

Right Out: 1056.765 ± 0.000

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

Left In: 1230.430 ± 0.000

χ^2/NDF : 100431691068850056086409132460520505344.0/10

Left: -39.410 ± 0.000 χ^2/NDF : 3123799611158754

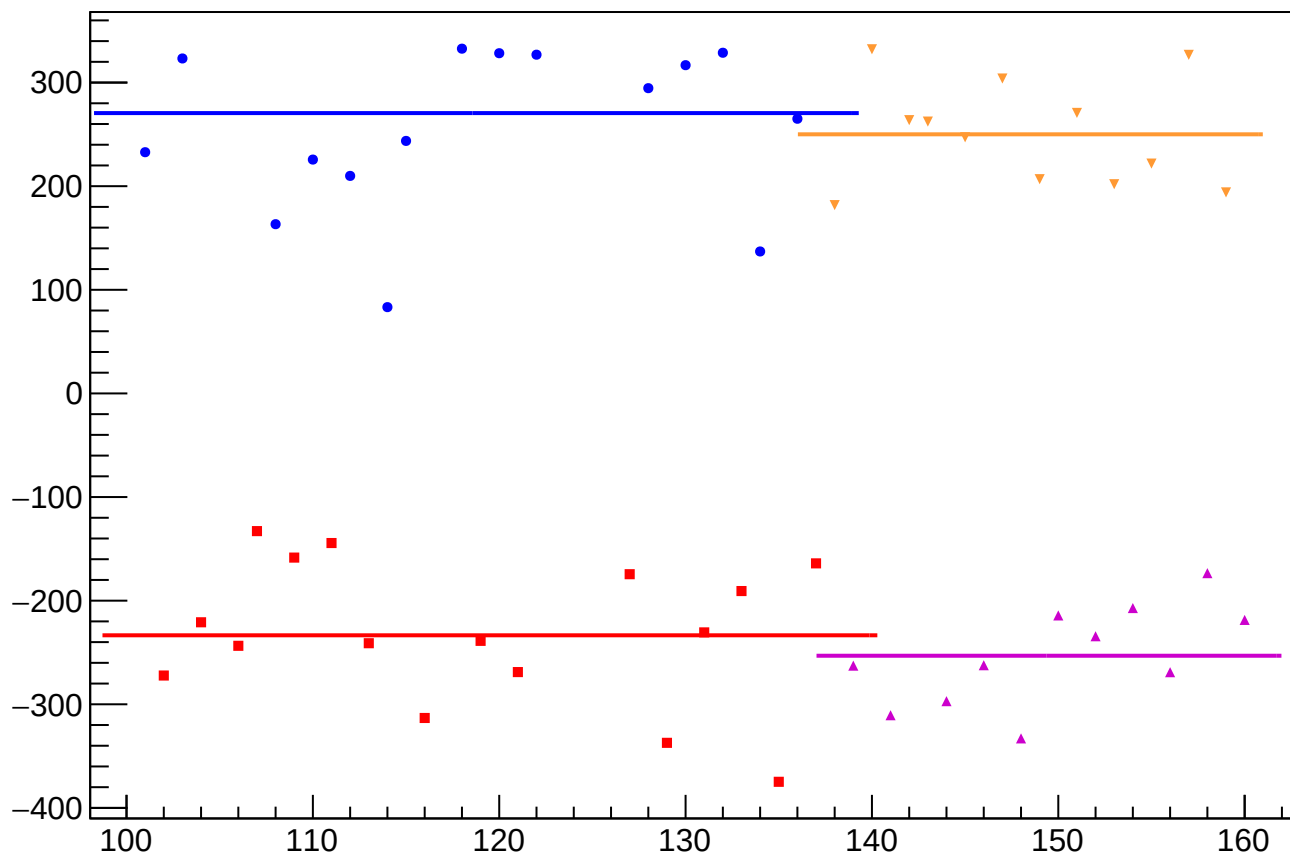
Right: -112.789 ± 0.000 χ^2/NDF : 39432514405702

In: 180.308 ± 0.000 χ^2/NDF : 35361660763294785

Out: -319.095 ± 0.000 χ^2/NDF : 333836126374439

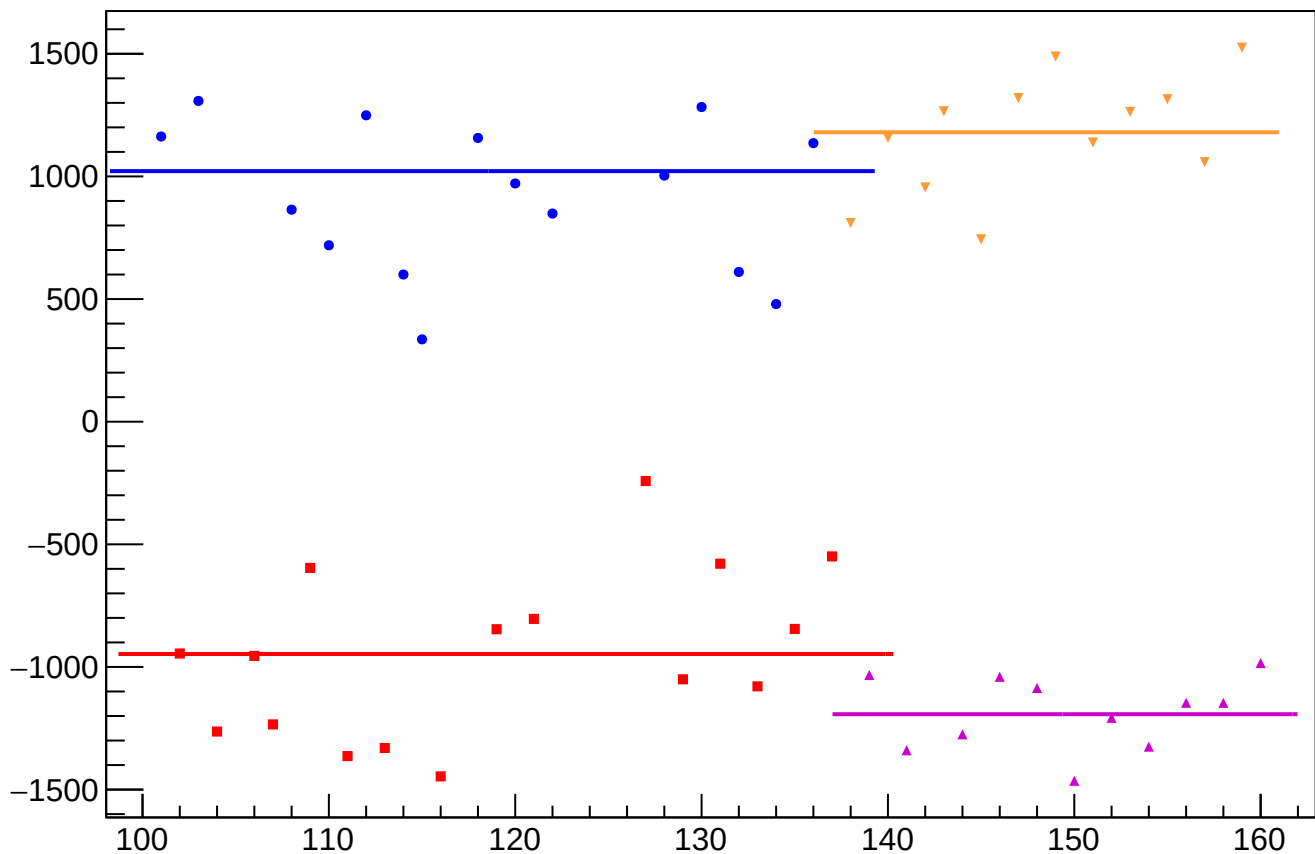
All: -70.027 ± 0.000 χ^2/NDF : 707118050555

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



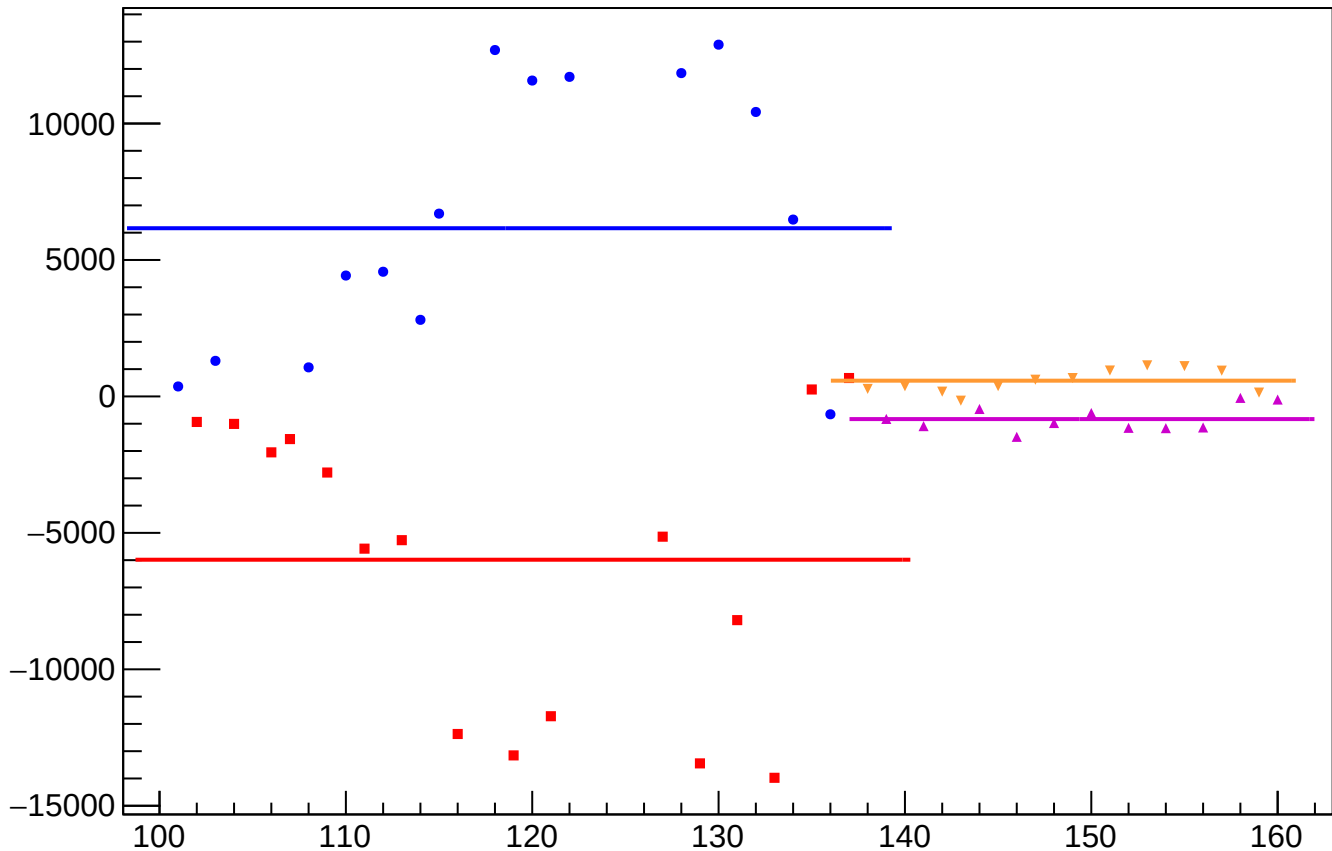
Right In: 270.538 $\pm$ 0.000 χ^2 /NDF: 2473839905347950323907848405170257920.0/14
 Left Out: 250.055 $\pm$ 0.000 χ^2 /NDF: 2329396041694824766683600755668025344.0/11
 Right Out: -233.421 $\pm$ 0.000 χ^2 /NDF: 3048529087317888615064010247743995904.0/15
 Left In: -253.145 $\pm$ 0.000 χ^2 /NDF: 1980196841930298045035907903943344128.0/10
 All: 4.607 $\pm$ 0.000 χ^2 /NDF: 20997016075743

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



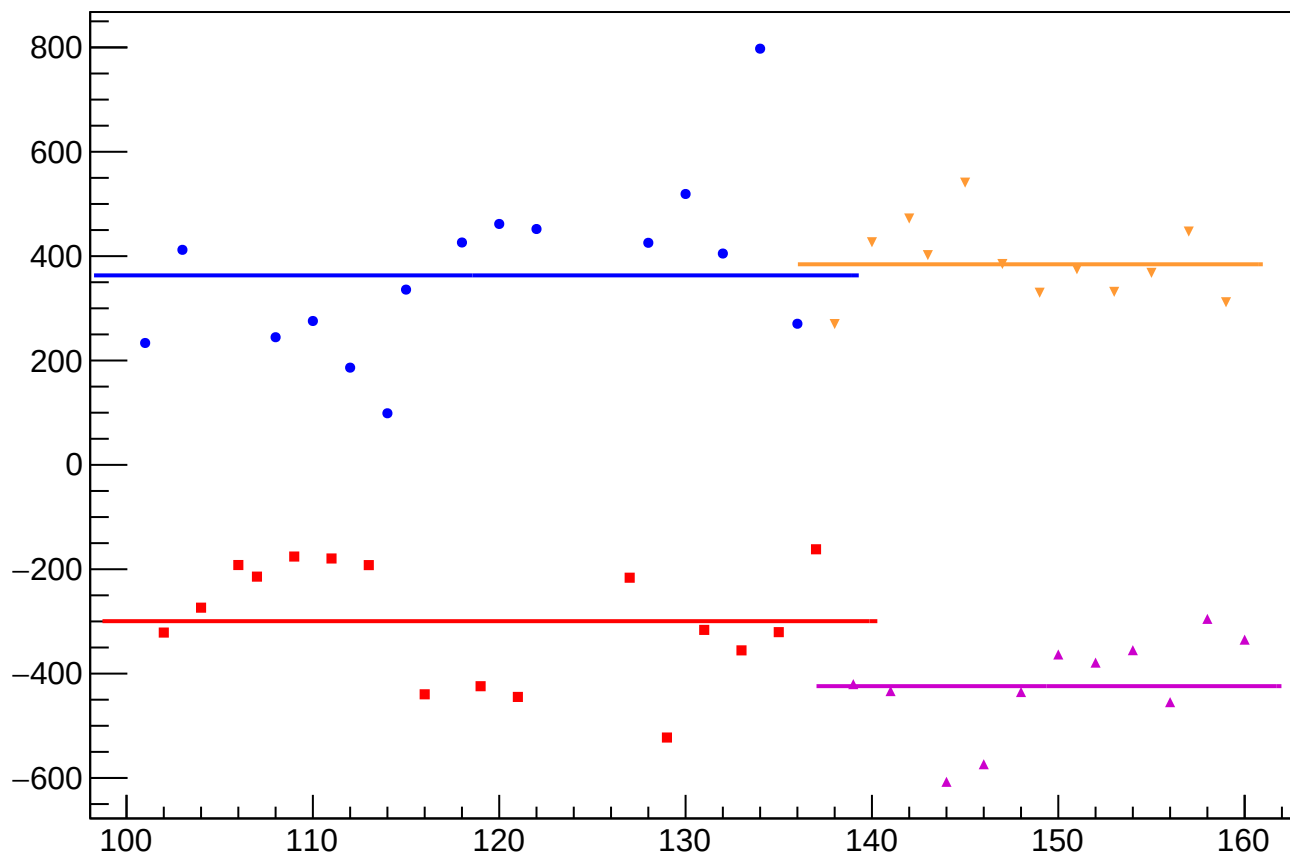
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_sam6_coil7_mean vs Slug, Sign Corrected



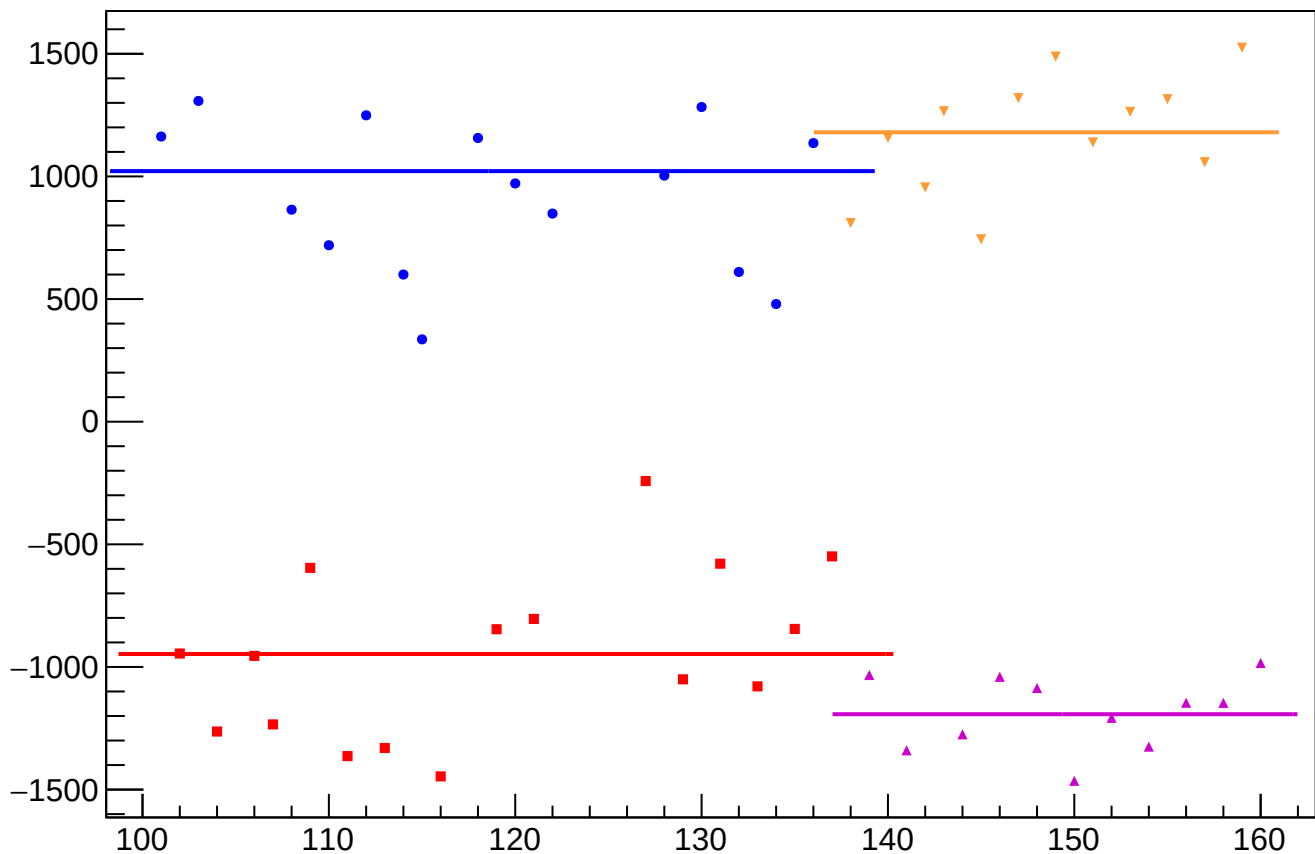
Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Left Out: 577.285+/-0.000 χ^2/NDF : 143964932817712353720884813497116917760.0/11
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 All: -73.239+/-0.000 χ^2/NDF : 854846167938

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



Left: -22.018 ± 0.000 χ^2/NDF : 3128182165483401
 Right In: 363.133 ± 0.000 χ^2/NDF : 11502791697076456426435998277995331584.0/14
 Right: 27.278 ± 0.000 χ^2/NDF : 1636258096450768
 Left Out: 384.397 ± 0.000 χ^2/NDF : 4703352228141784942428920611126378496.0/11
 In: -99.259 ± 0.000 χ^2/NDF : 25553843980228518
 Right Out: -299.514 ± 0.000 χ^2/NDF : 7685497318744225218354652828984672256.0/15
 Out: 95.865 ± 0.000 χ^2/NDF : 19274864098076935
 Left In: -424.034 ± 0.000 χ^2/NDF : 7812894231718086106241094868881375232.0/10
 All: -1.449 ± 0.000 χ^2/NDF : 4783076167376

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

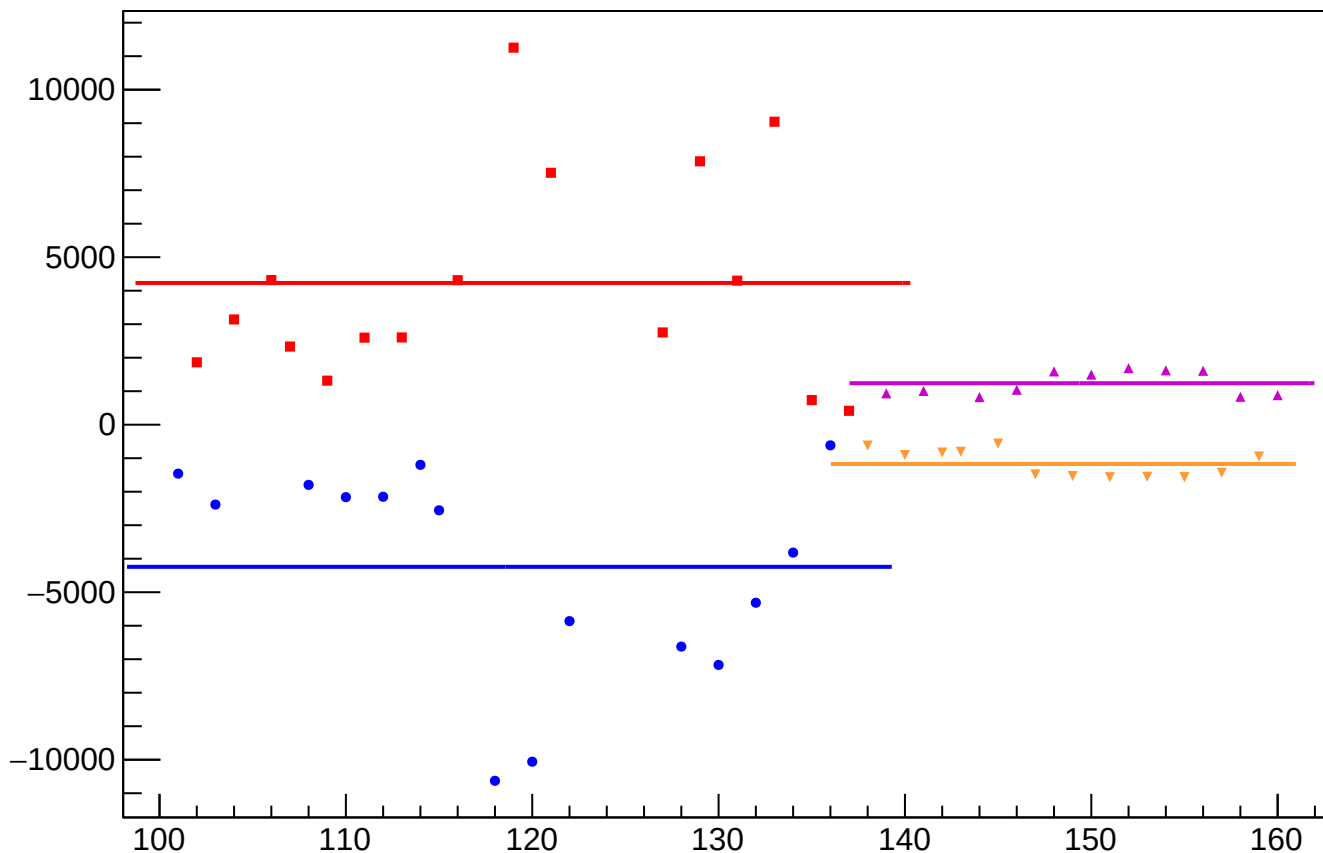
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174+/-0.000

Left Out: -1171.784+/-0.000

Right Out: 4230.978+/-0.000

Left In: 1238.776+/-0.000

Left: 40.054+/-0.000 χ^2/NDF : 29187236314249197

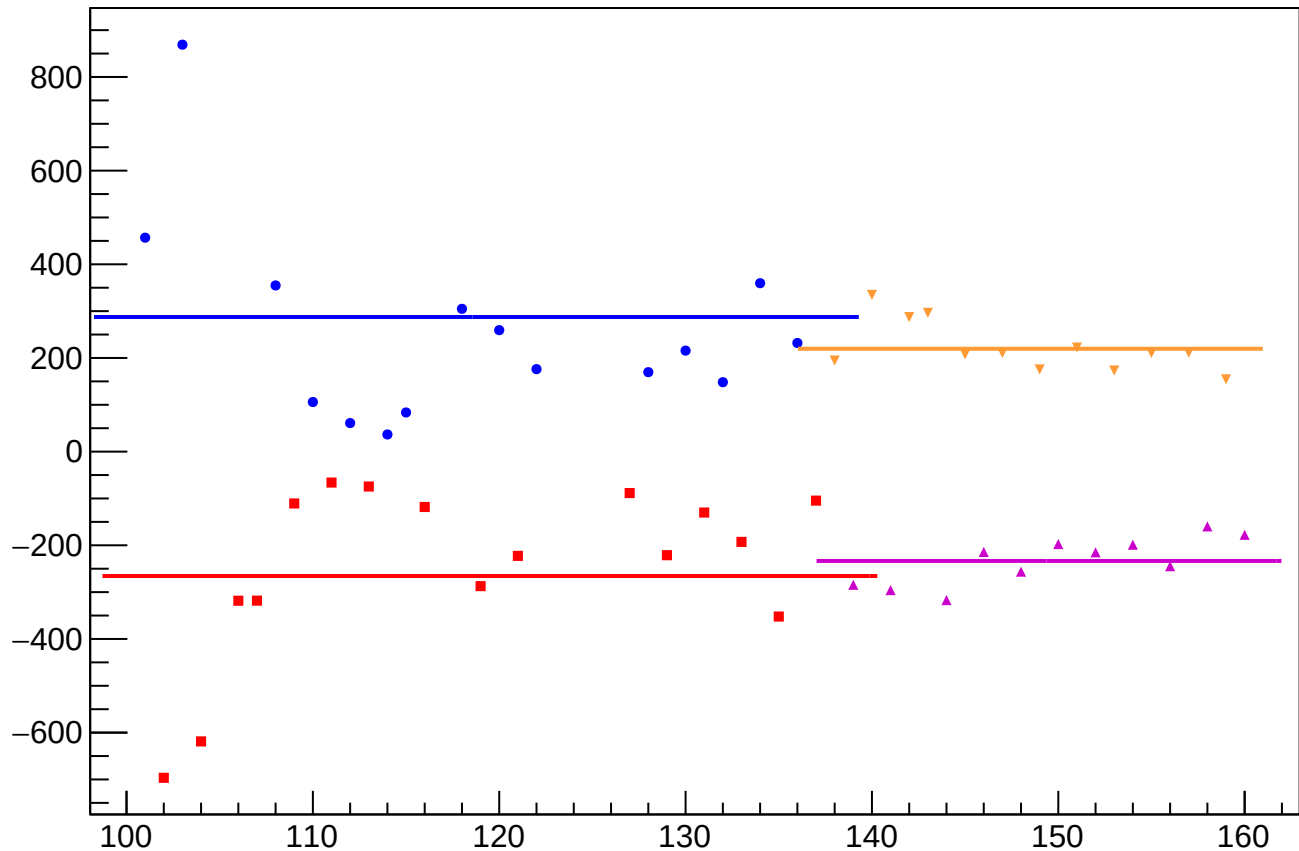
Right: 52.349+/-0.000 χ^2/NDF : 3708179263230228

In: -1022.595+/-0.000 χ^2/NDF : 183472960455815

Out: 1107.560+/-0.000 χ^2/NDF : 180754931945864

All: 45.184+/-0.000 χ^2/NDF : 4000063219777

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460+/-0.000

χ^2/NDF : 29517044144826155936619151581366976512.0/14

Left Out: 219.672+/-0.000

χ^2/NDF : 2455507522676926762328692419180101632.0/11

Right Out: -265.593+/-0.000

χ^2/NDF : 25843263106329059274985499259066908672.0/15

Left In: -233.397+/-0.000

χ^2/NDF : 2171341737989359237753599766499950592.0/10

Left: -8.095+/-0.000 χ^2/NDF : 98946310660581678

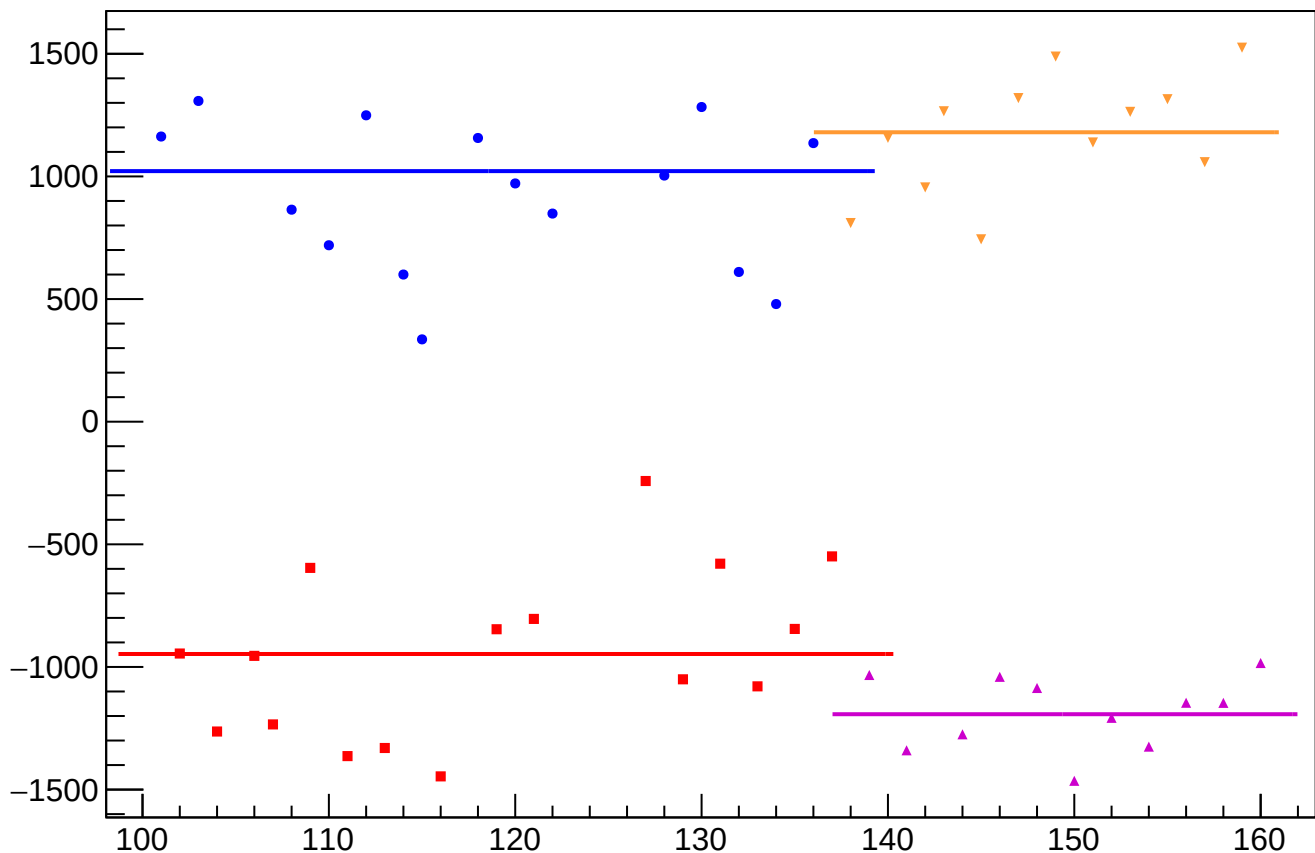
Right: 7.151+/-0.000 χ^2/NDF : 15597171601313483

In: -18.498+/-0.000 χ^2/NDF : 13511313369967268

Out: 14.946+/-0.000 χ^2/NDF : 11910121360268258

All: -1.734+/-0.000 χ^2/NDF : 2550962914121

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

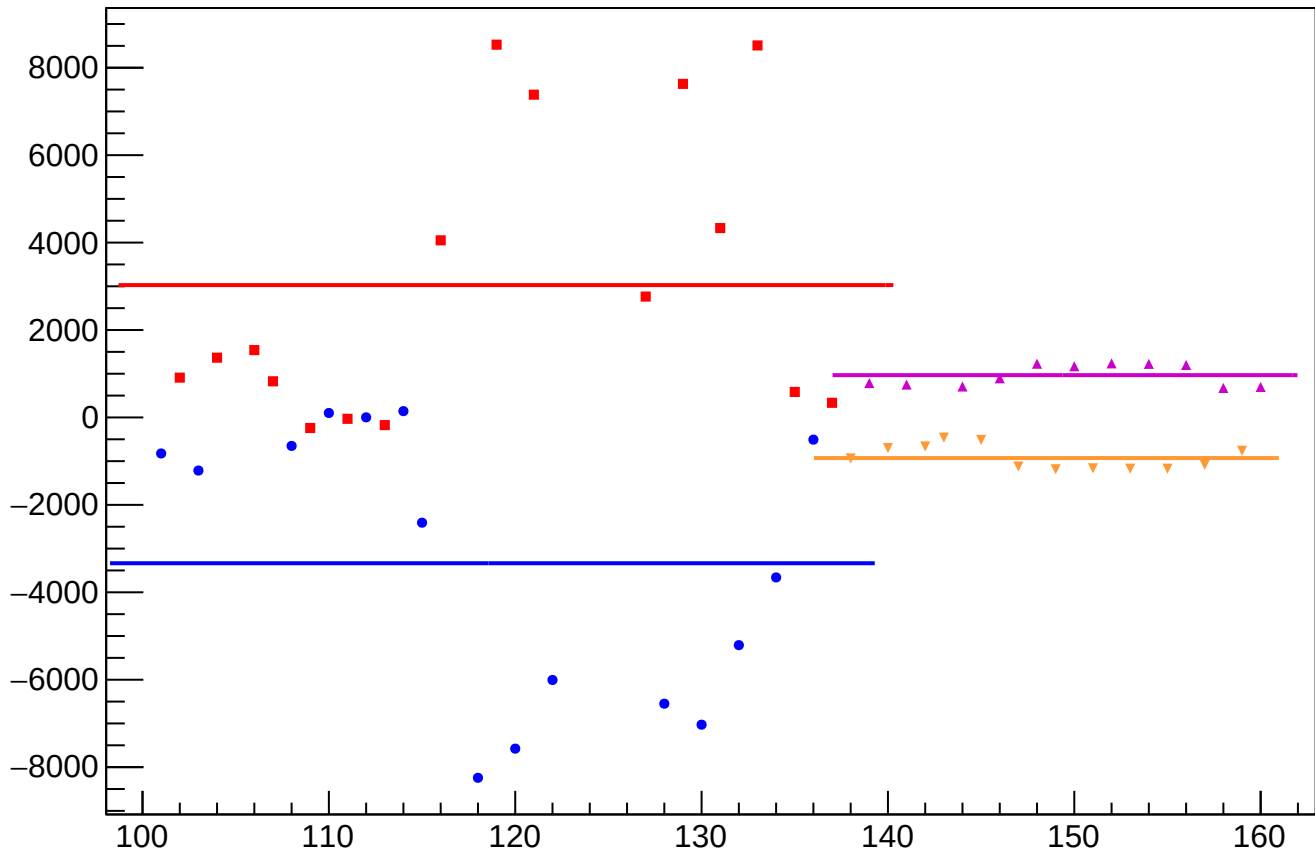
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3335.273+/-0.000

χ^2/NDF : 6338087251589637529030075517152423575552.0/14

Left Out: -928.862+/-0.000

χ^2/NDF : 62250510021534104734591710459968094208.0/11

Right Out: 3027.603+/-0.000

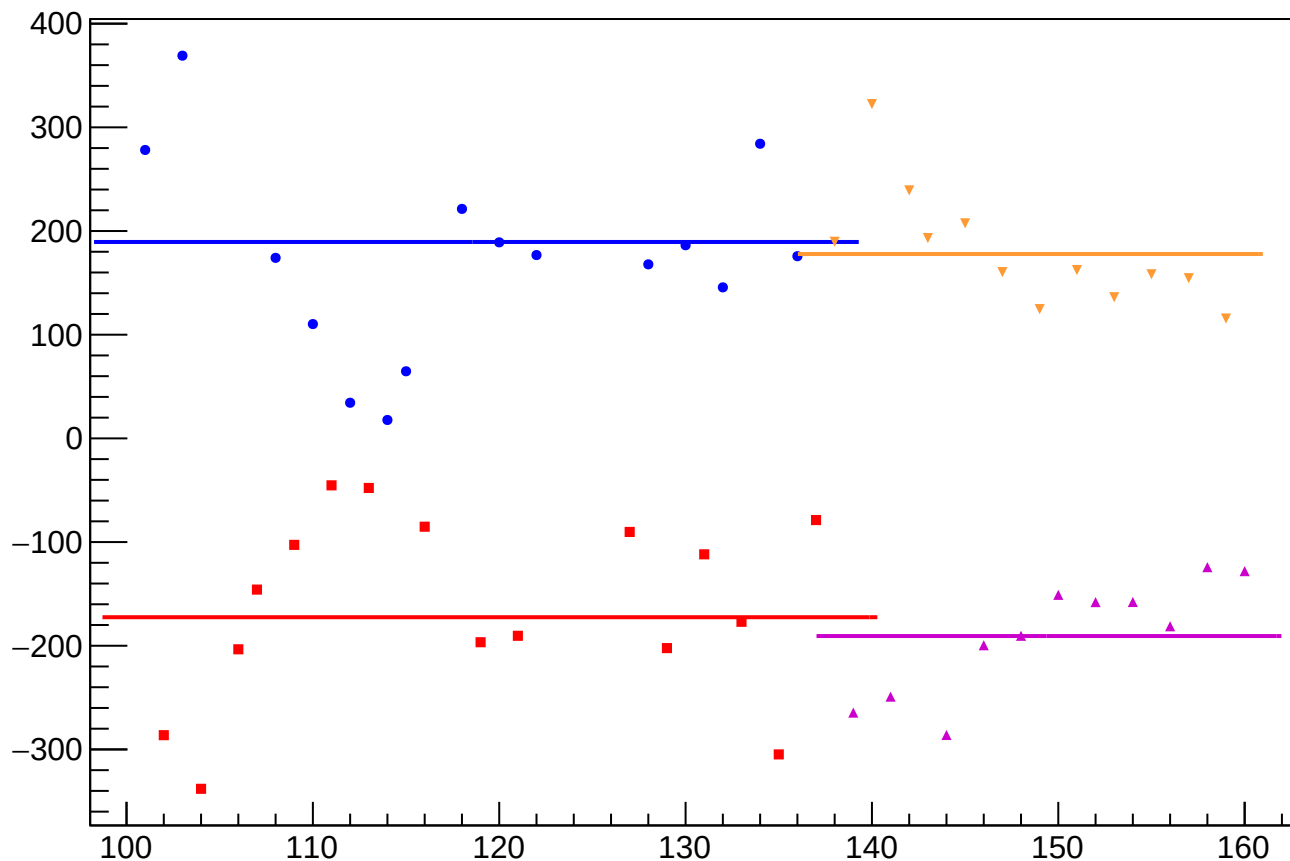
χ^2/NDF : 7086157086694396583090903767581326311424.0/15

Left In: 967.568+/-0.000

χ^2/NDF : 51461881619401718567497787720865939456.0/10

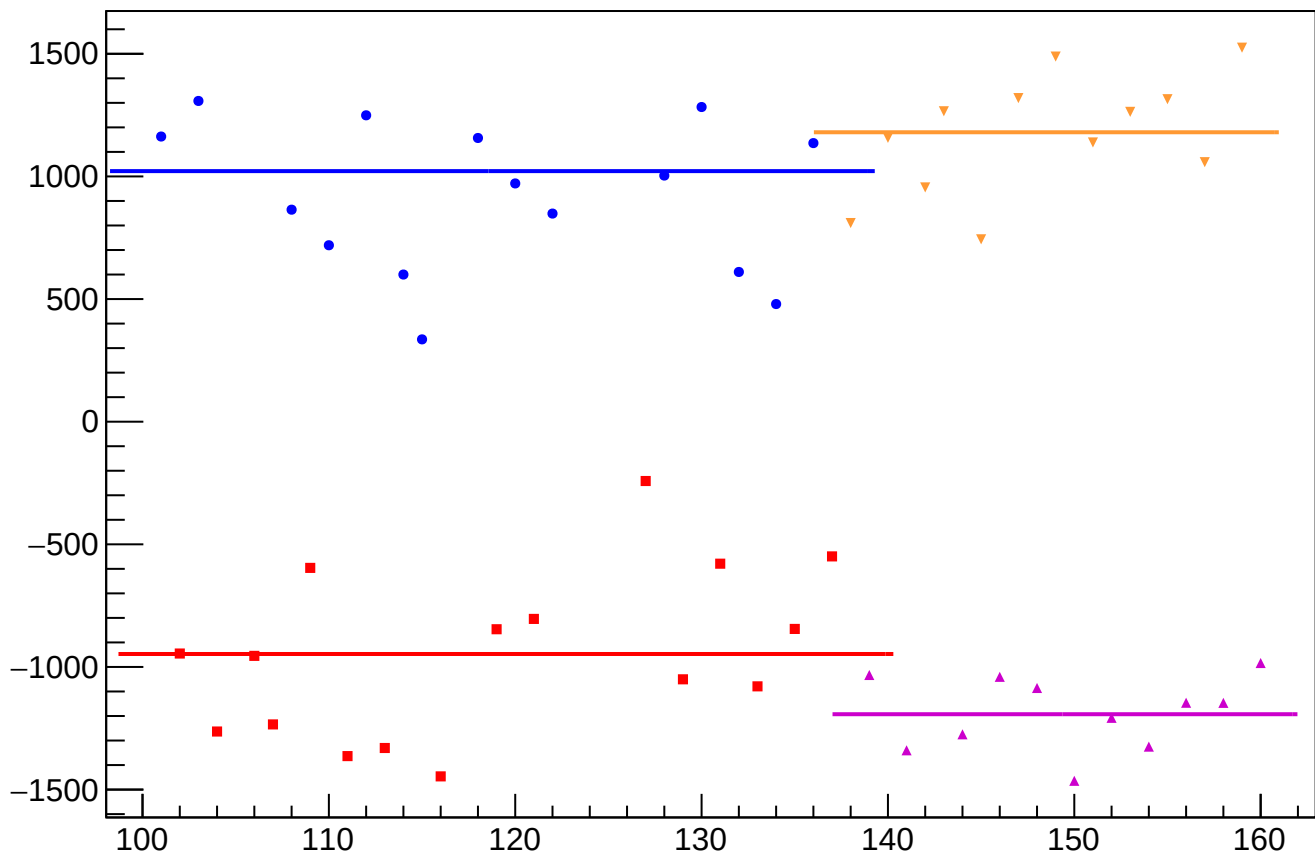
All: -31.746+/-0.000 χ^2/NDF : 285218808380

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Left Out: 177.811 +/- 0.000 χ^2/NDF : 2793392529927944860081581234505908224.0/11
 Right Out: -172.485 +/- 0.000 χ^2/NDF : 5594813408996728261938711470404534272.0/15
 Left In: -190.641 +/- 0.000 χ^2/NDF : 2536070386684067132001548898091925504.0/10
 All: -1.818 +/- 0.000 χ^2/NDF : 1212358862395

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

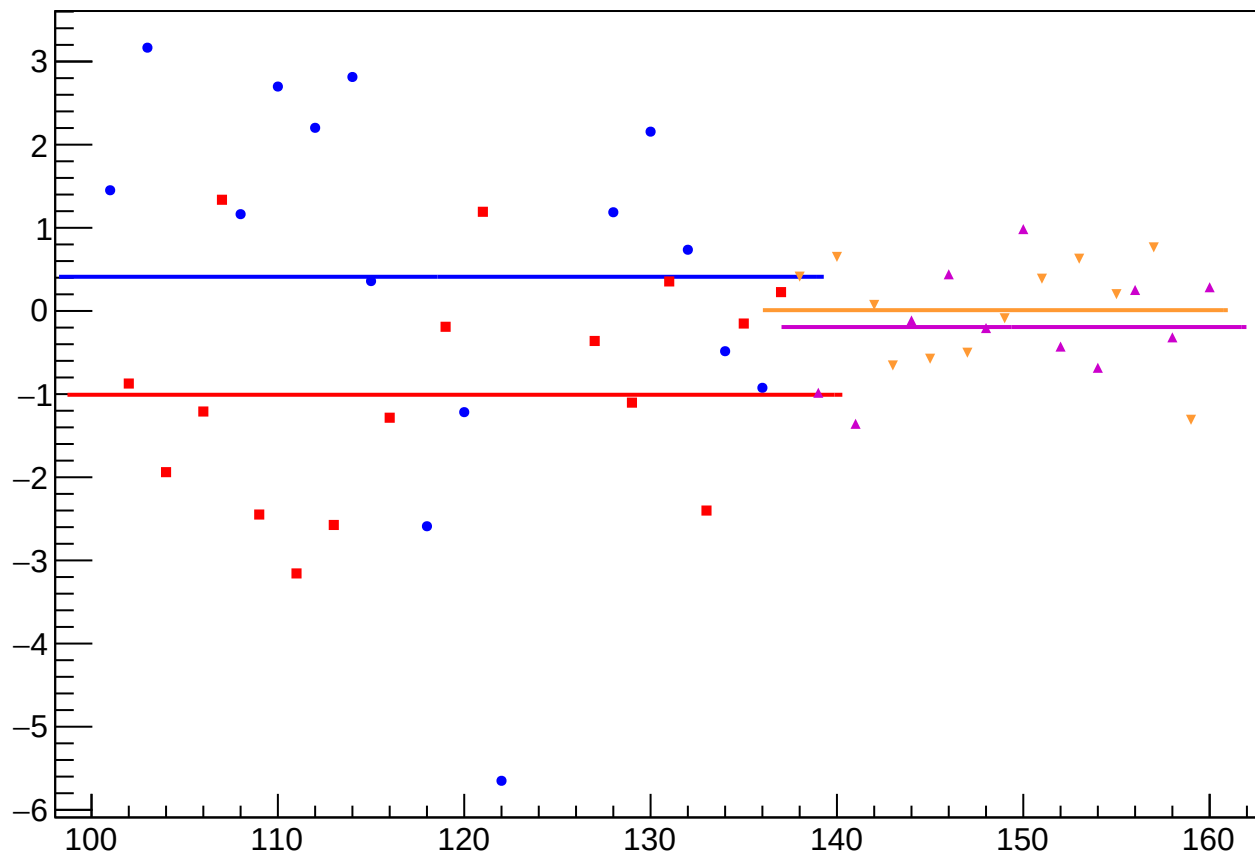
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

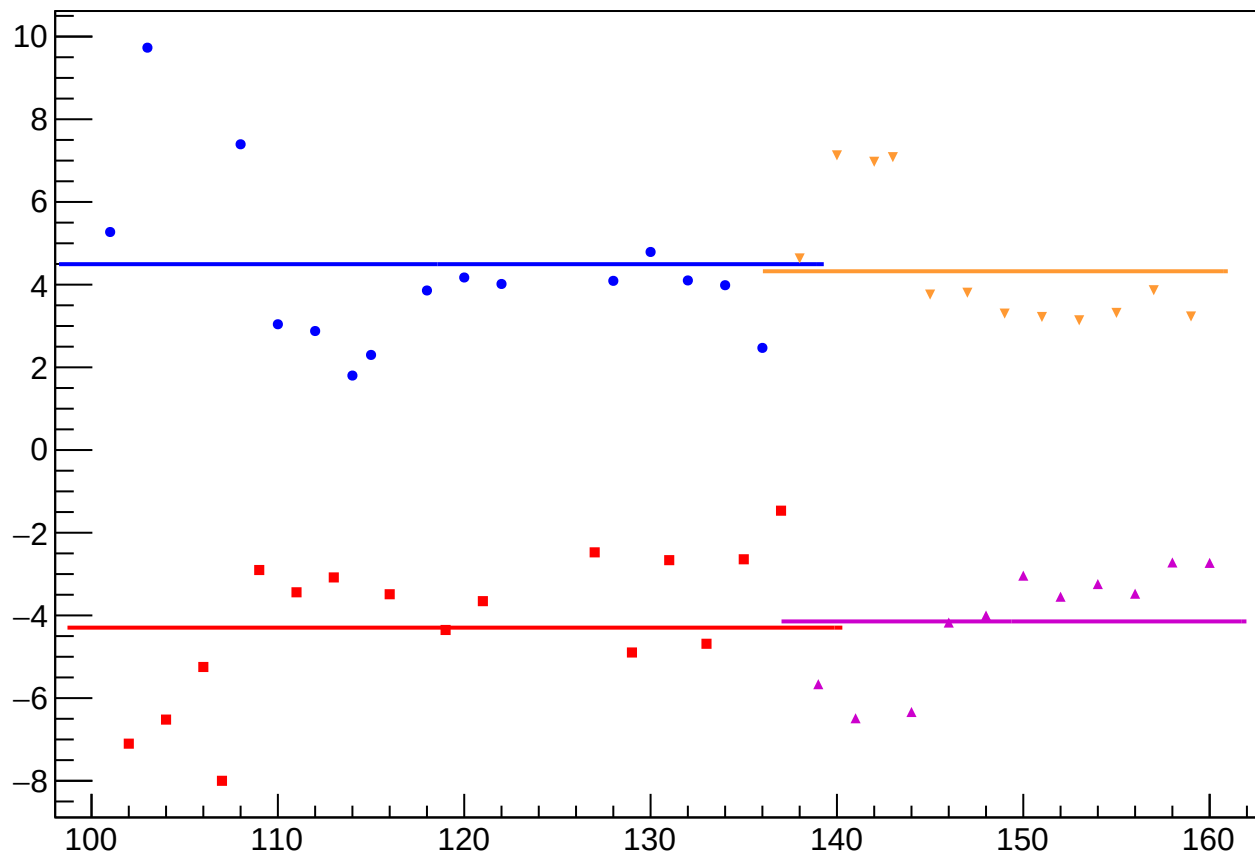
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4aX_coil4_mean vs Slug, Sign Corrected



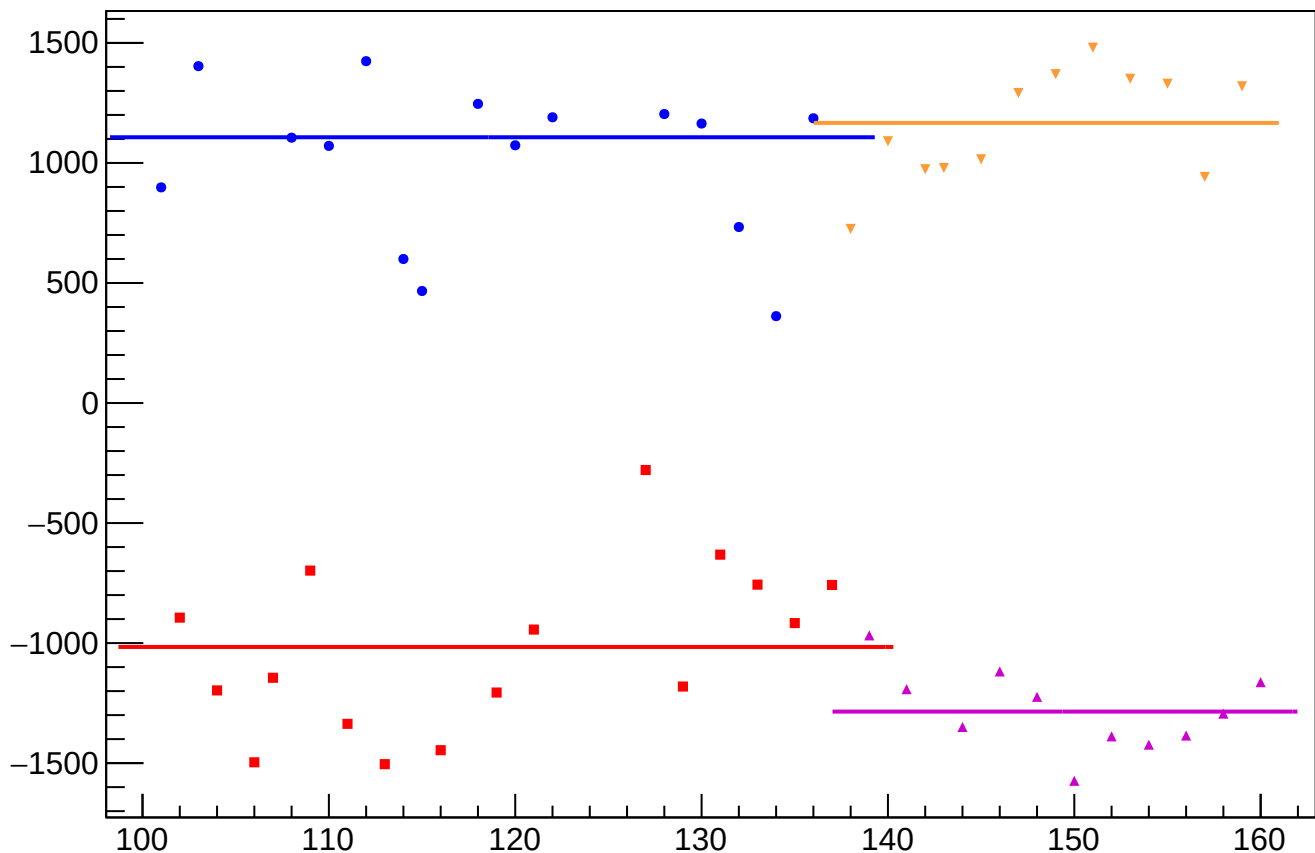
Right In: 0.411 ± 0.000 $\chi^2/\text{NDF}: 3385573506255563170053089820409856.0/14$
 Left Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 354573516648160349272665694928896.0/11$
 Right Out: -1.008 ± 0.000 $\chi^2/\text{NDF}: 1128402228144096394498047410700288.0/15$
 Left In: -0.193 ± 0.000 $\chi^2/\text{NDF}: 386133523330033860307880234713088.0/10$
 All: -0.182 ± 0.000 $\chi^2/\text{NDF}: 5971597389441$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



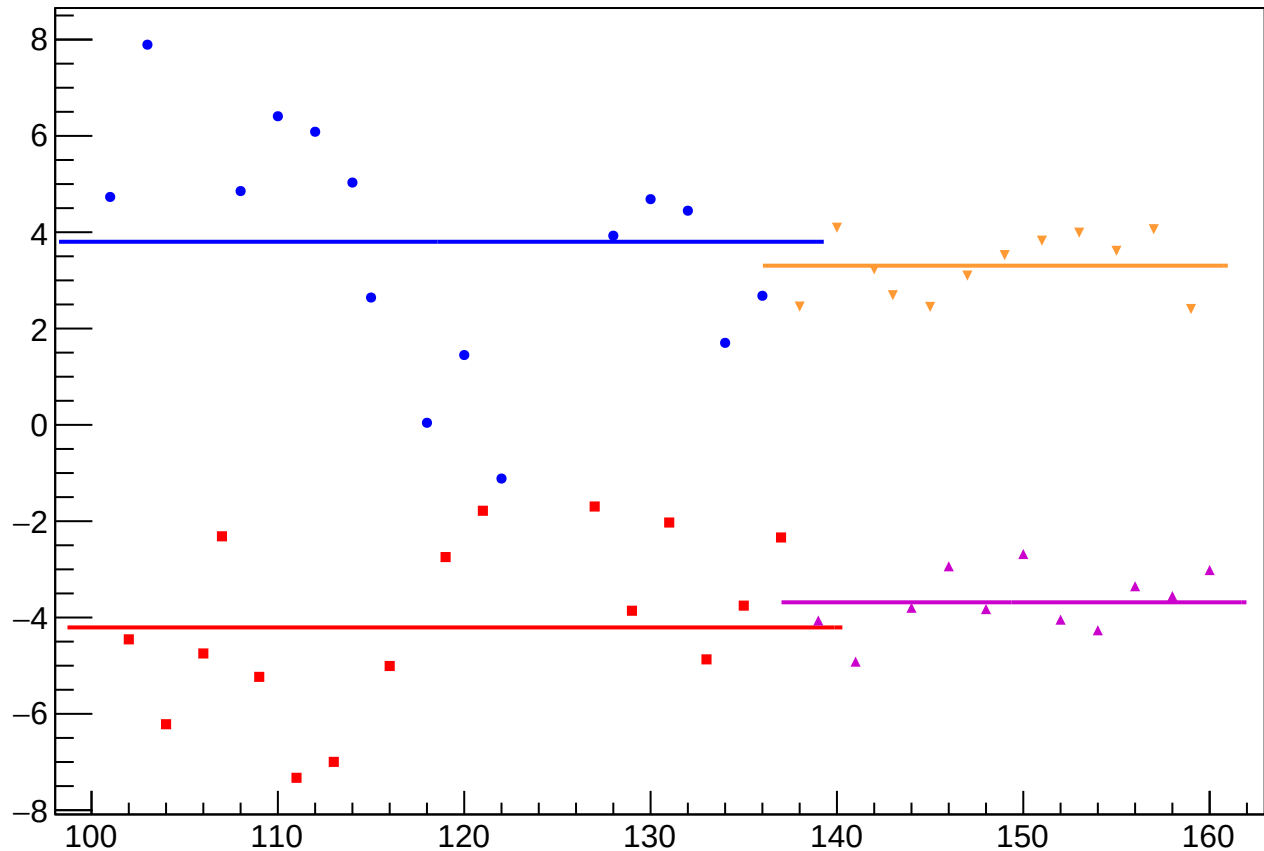
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 2742240072441097531500728791597056.0/14
 Left Out: 4.324 $\pm$ 0.000 χ^2 /NDF: 2025534969388950058407109119180800.0/11
 Right Out: -4.296 $\pm$ 0.000 χ^2 /NDF: 2011925707062051890381007475441664.0/15
 Left In: -4.145 $\pm$ 0.000 χ^2 /NDF: 1645942604303349608571849827942400.0/10
 All: 0.055 $\pm$ 0.000 χ^2 /NDF: 66802270544338

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



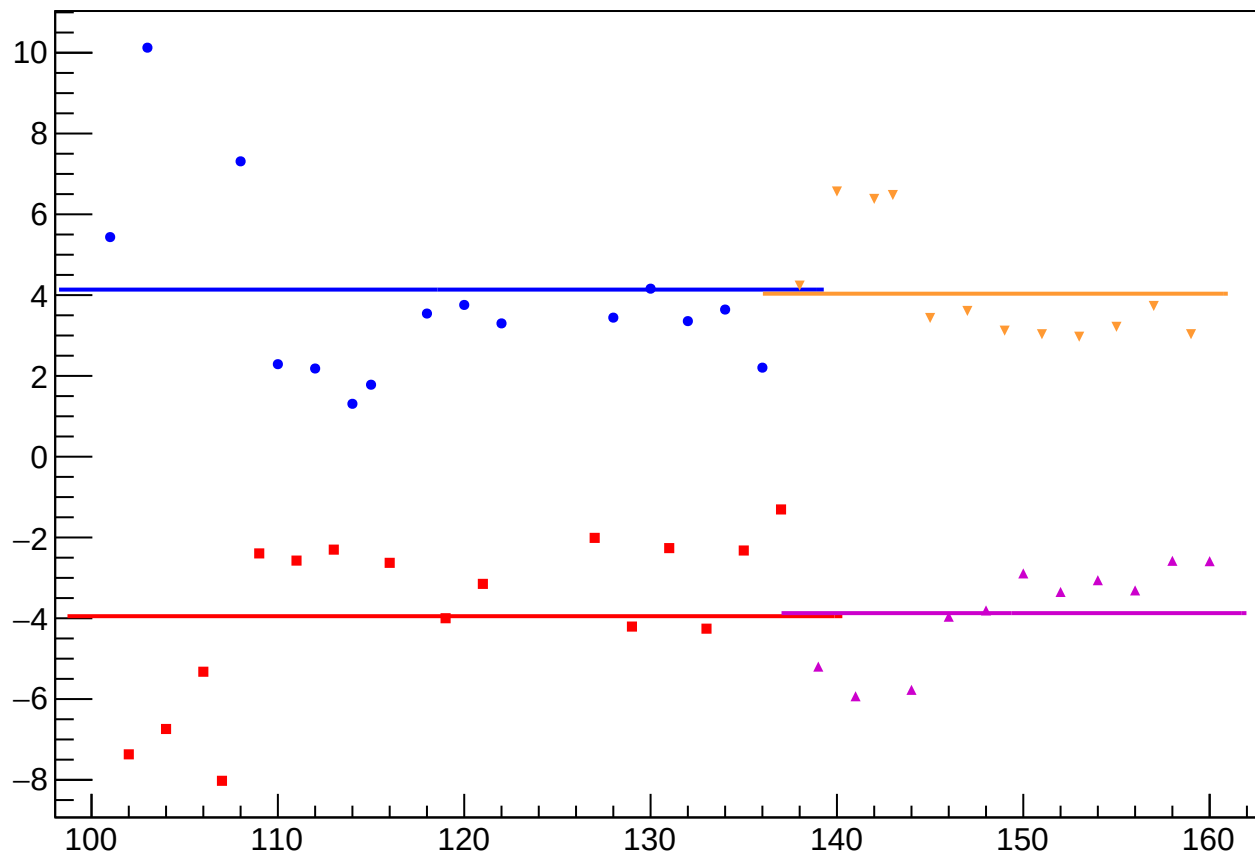
Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_4eX_coil4_mean vs Slug, Sign Corrected



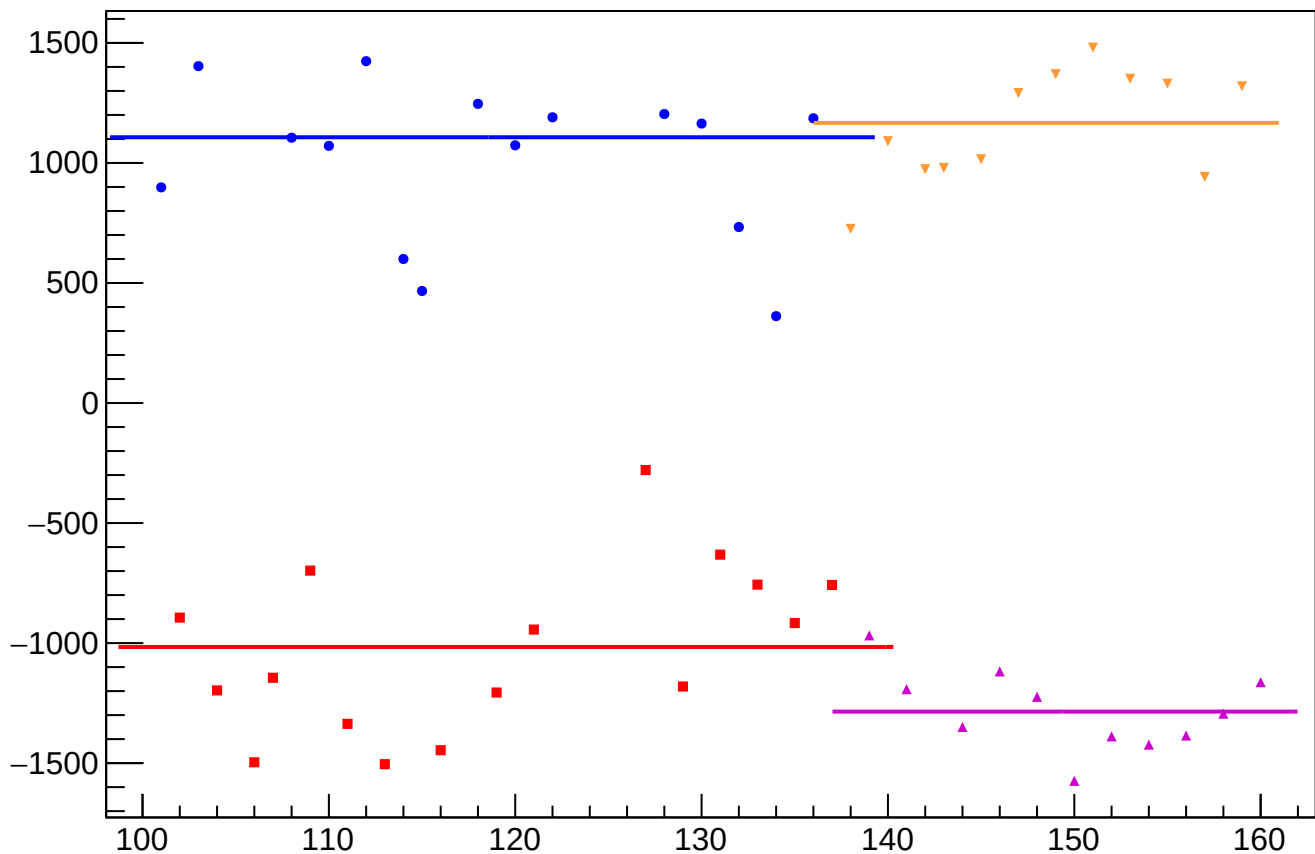
Right In: 3.802 ± 0.000 $\chi^2/\text{NDF}: 3795476074398338930564700657680384.0/14$
 Left Out: 3.305 ± 0.000 $\chi^2/\text{NDF}: 375514605339805624898679558111232.0/11$
 Right Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 2096427813341454573332265183477760.0/15$
 Left In: -3.684 ± 0.000 $\chi^2/\text{NDF}: 366001419656422310601850072596480.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 5017617766780$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



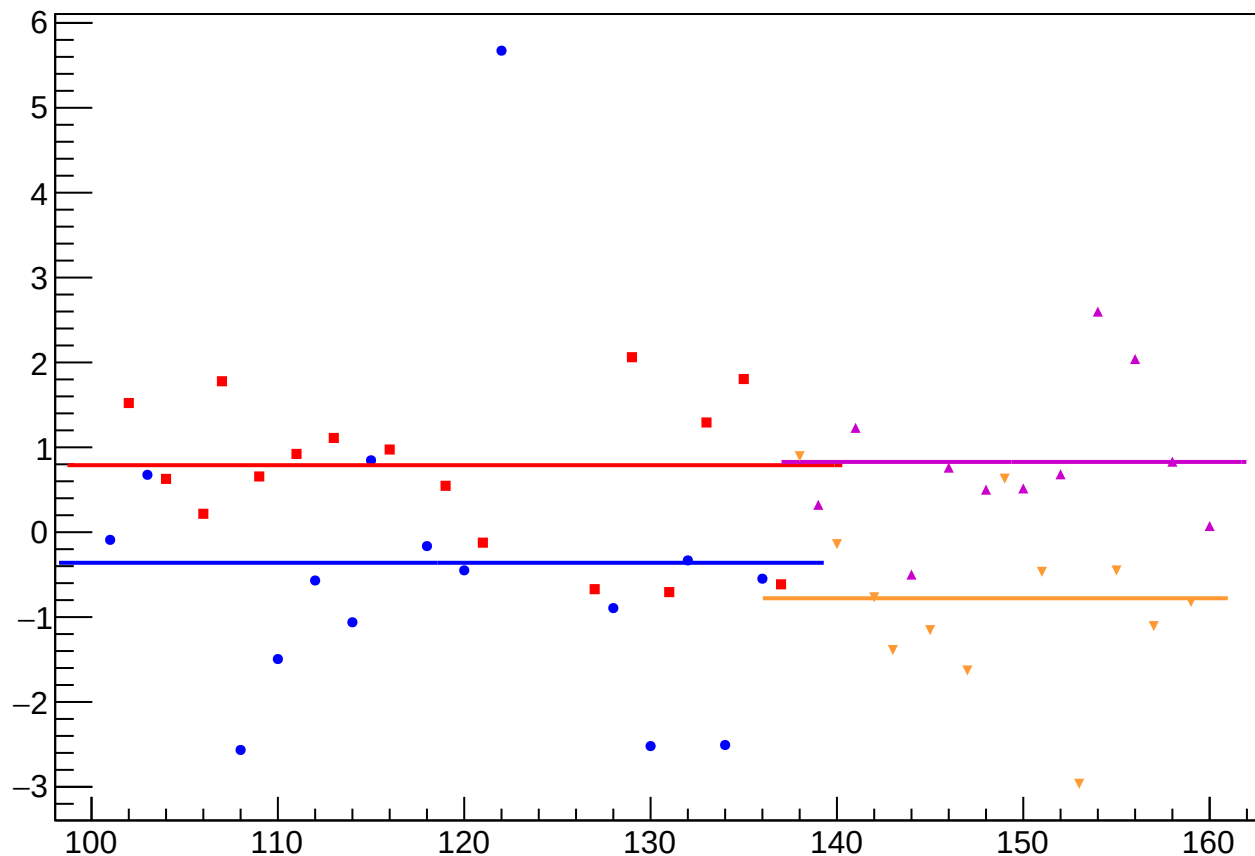
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.035 $\pm$ 0.000 χ^2 /NDF: 16092990613525785486150138363904.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59300481694443

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



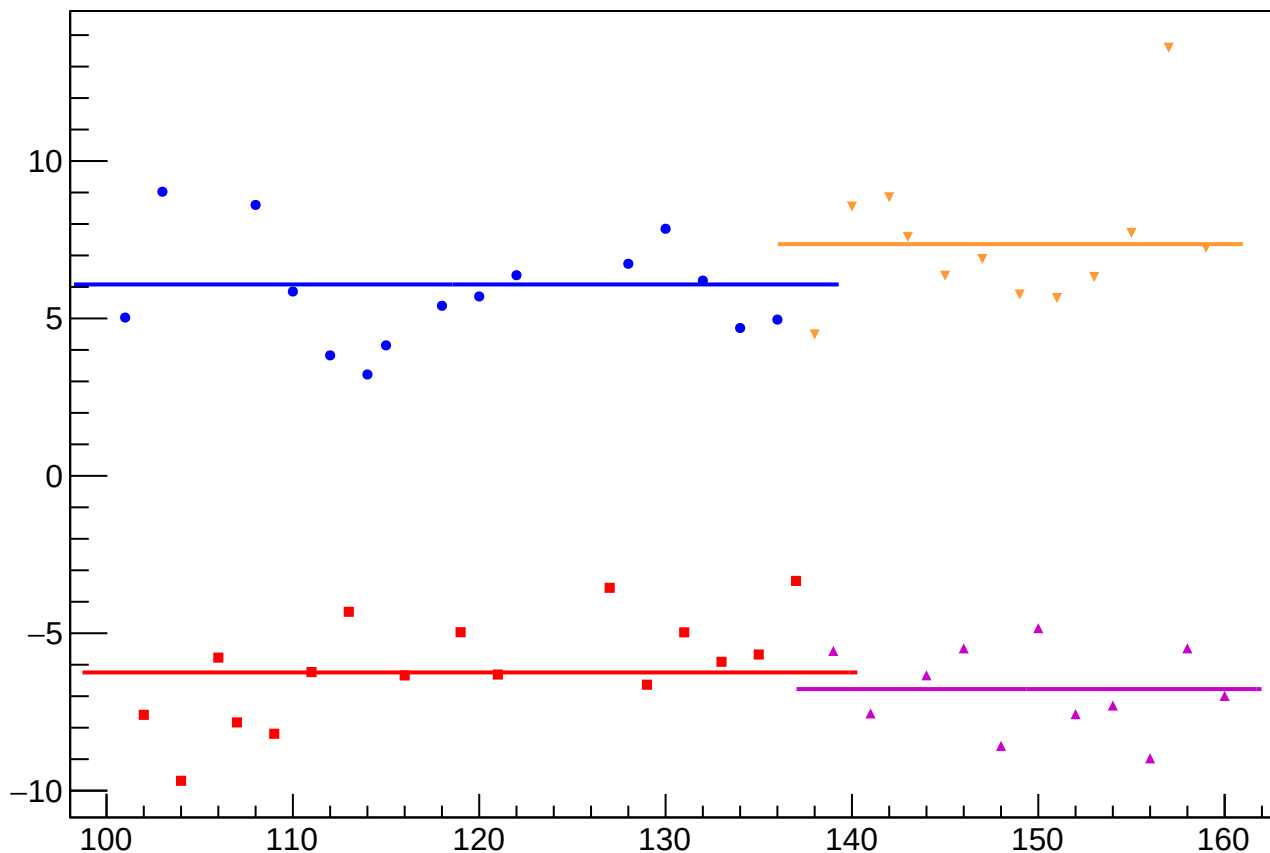
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_11X12X_coil4_mean vs Slug, Sign Corrected



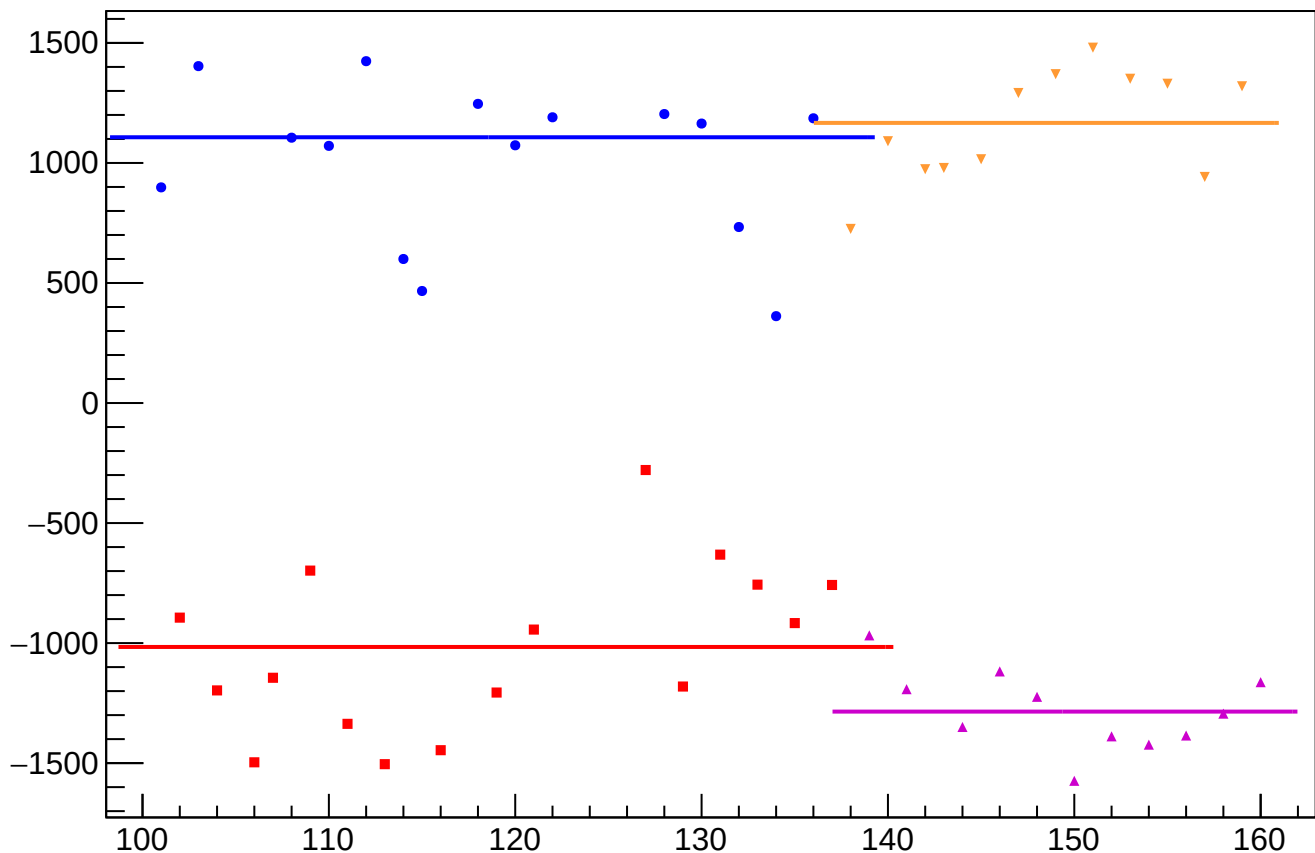
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.778 ± 0.000 χ^2/NDF : 941792568376434225486843988672512.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.828 ± 0.000 χ^2/NDF : 650173977459122524537180454387712.0/10
 All: 0.110 ± 0.000 χ^2/NDF : 58843184622867

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



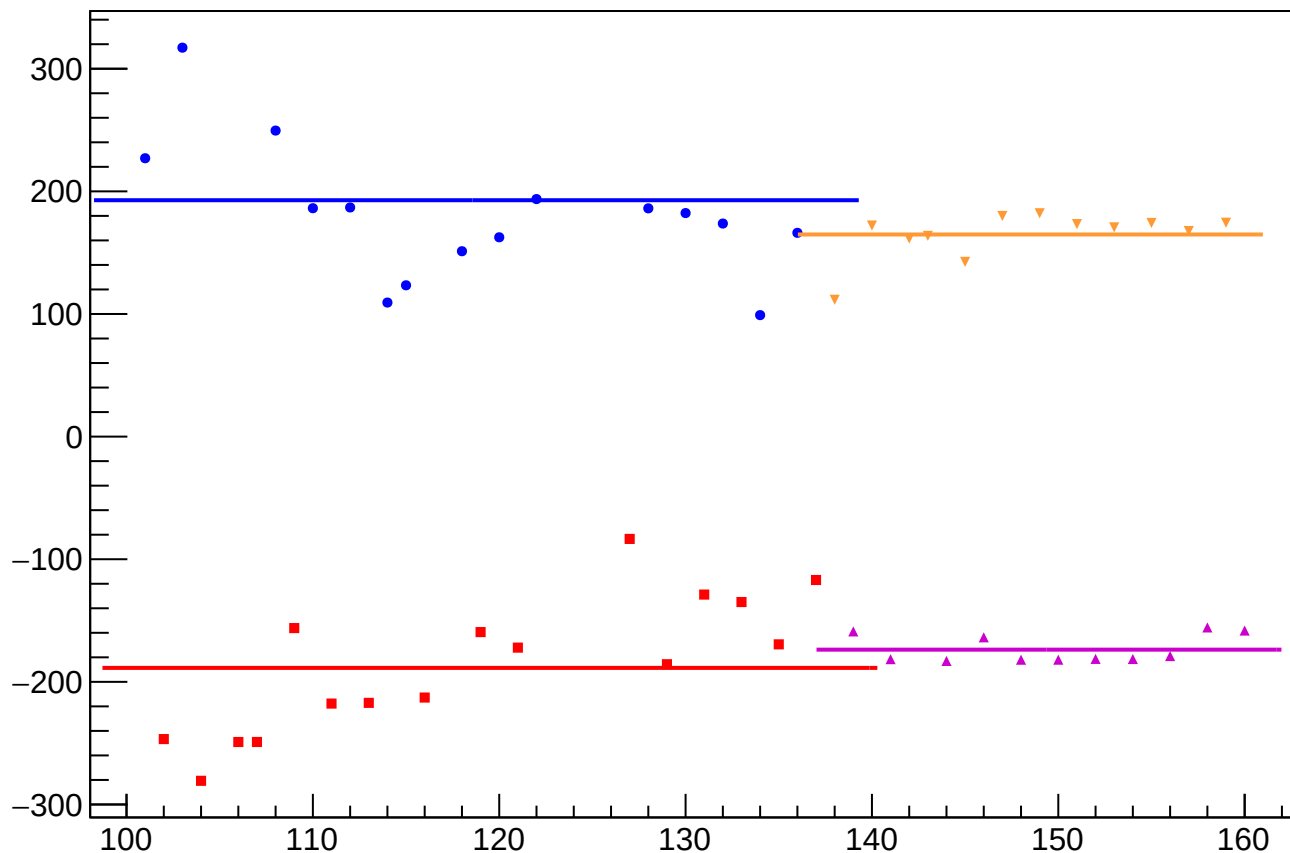
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.360 ± 0.000 $\chi^2/\text{NDF}: 4580380755239365503585140070154240.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 All: 0.079 ± 0.000 $\chi^2/\text{NDF}: 15140907690746$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4aY_coil4_mean vs Slug, Sign Corrected



Right In: 192.771+/-0.000

χ^2/NDF : 1640576279746948433391816936236515328.0/14

Left Out: 164.832+/-0.000

χ^2/NDF : 331248867631864480349687016910225408.0/11

Right Out: -188.612+/-0.000

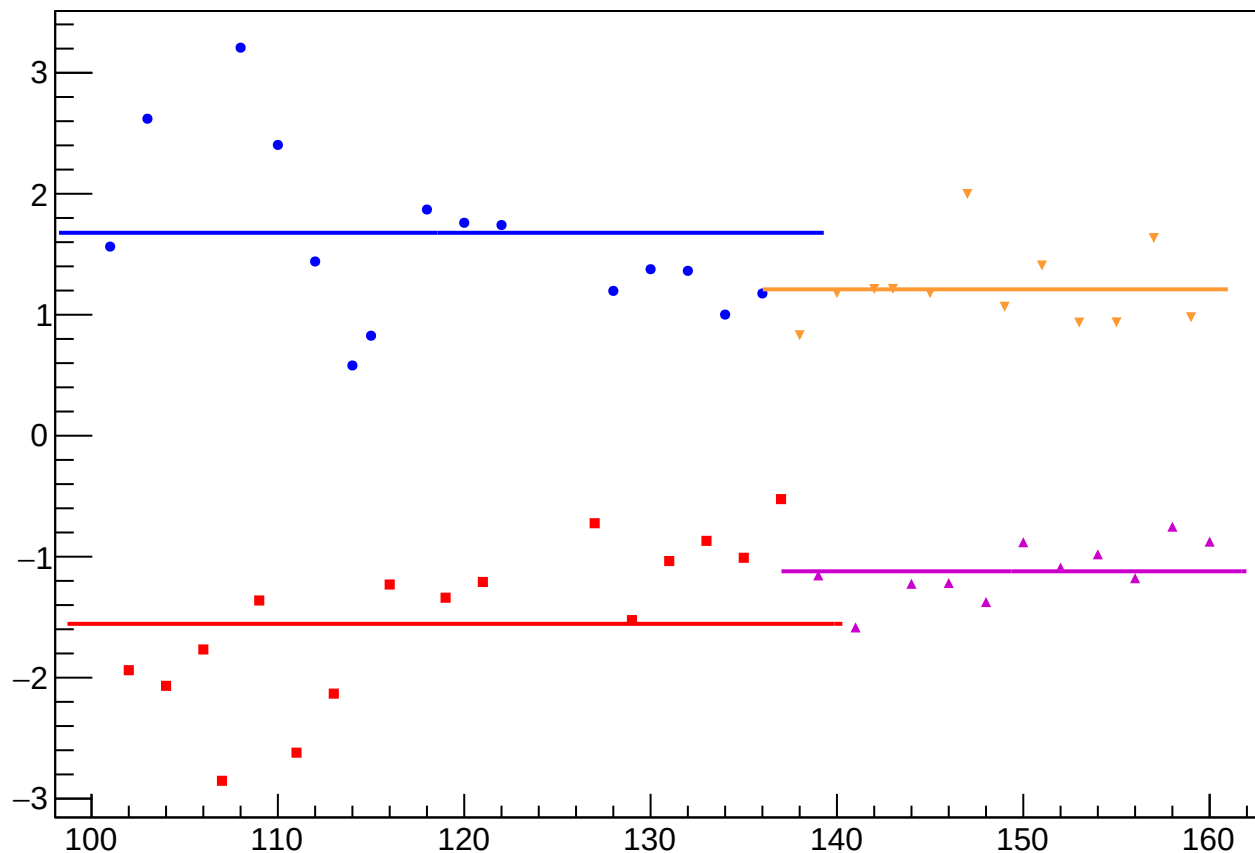
χ^2/NDF : 1922342257287674563344204730019610624.0/15

Left In: -173.738+/-0.000

χ^2/NDF : 107568156923900649458795541002452992.0/10

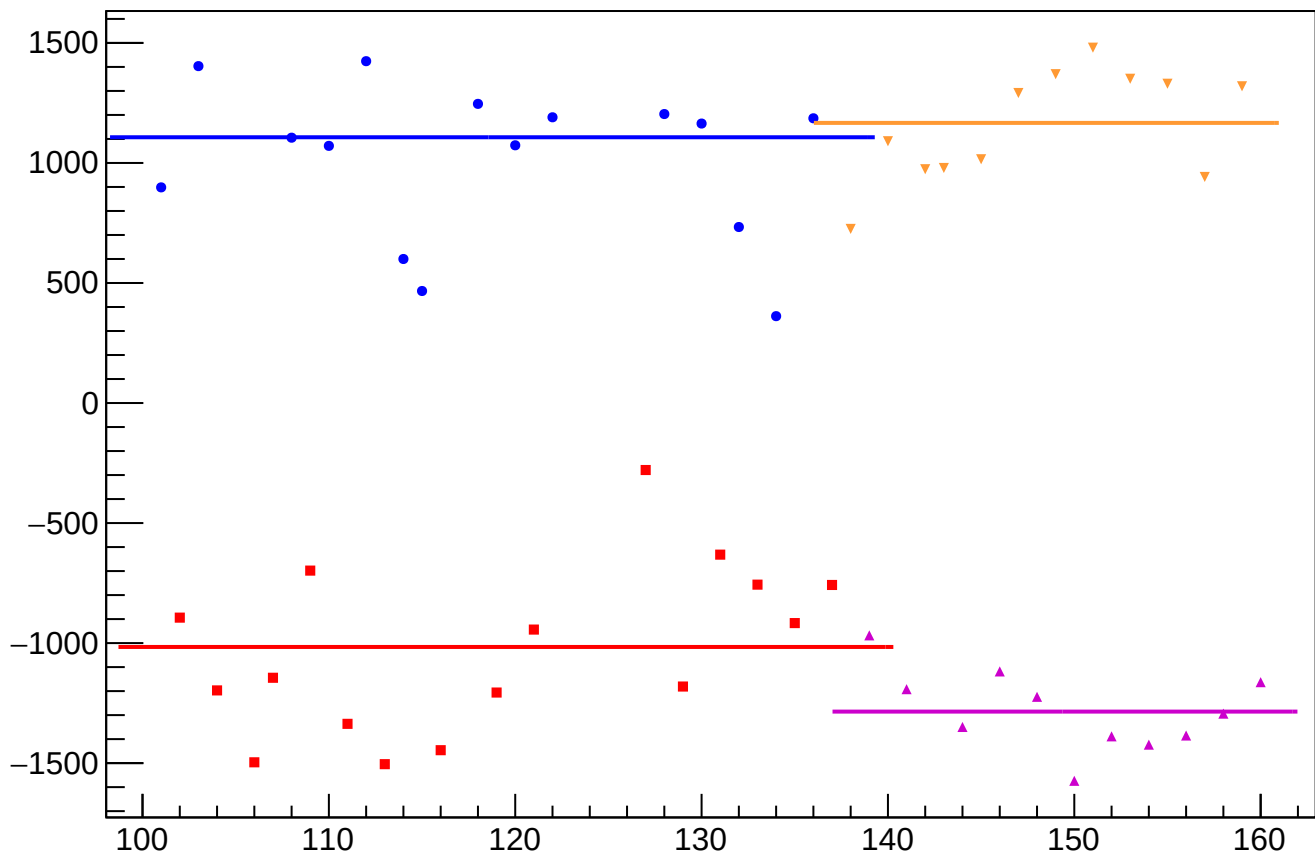
All: -3.352+/-0.000 χ^2/NDF : 1045358110774

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



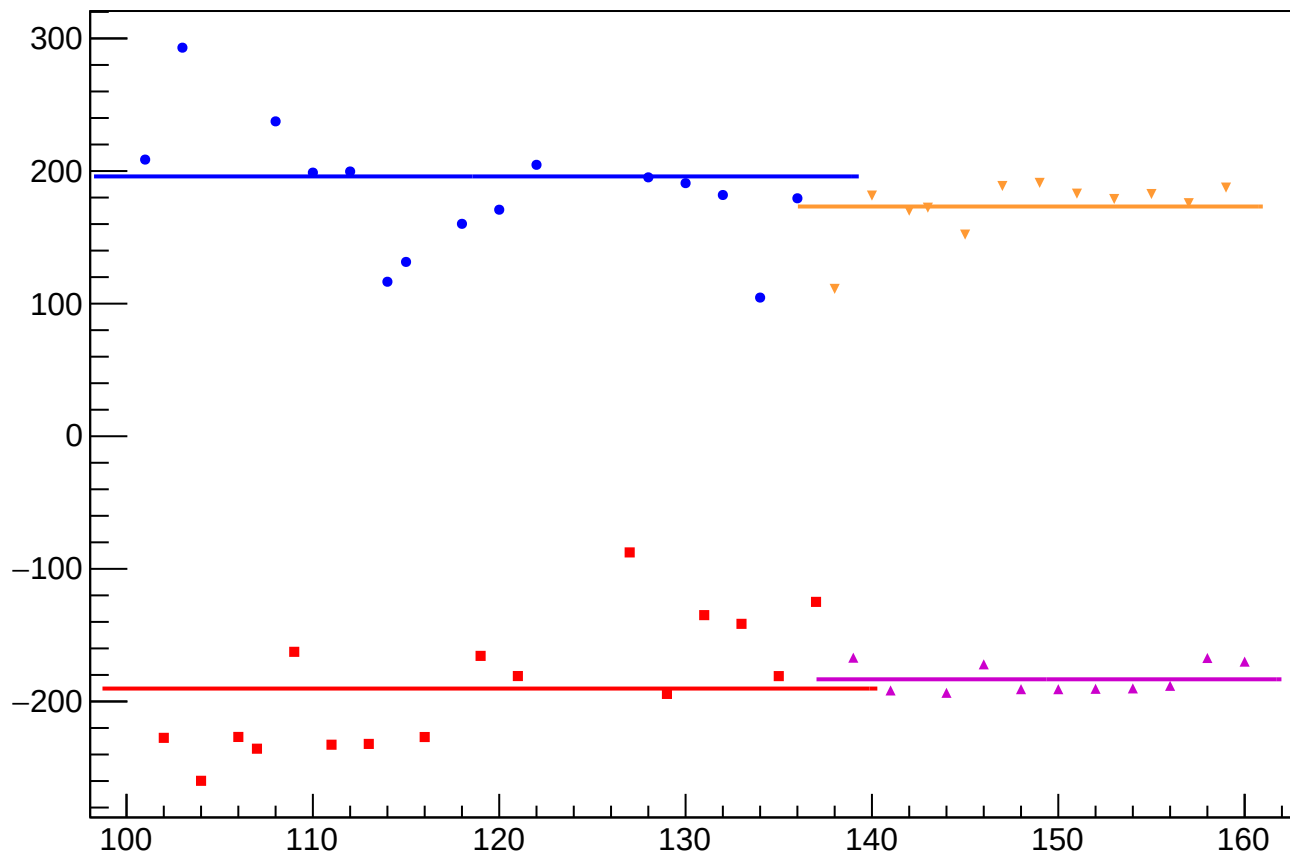
Right In: 1.677 +/- 0.000 χ^2/NDF : 241879924044788593292791559225344.0/14
 Left Out: 1.210 +/- 0.000 χ^2/NDF : 95500502458420026672384705560576.0/11
 Right Out: -1.555 +/- 0.000 χ^2/NDF : 255645951433890296827677195108352.0/15
 Left In: -1.121 +/- 0.000 χ^2/NDF : 48374896563348957372285351624704.0/10
 All: 0.039 +/- 0.000 χ^2/NDF : 65745148787562

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



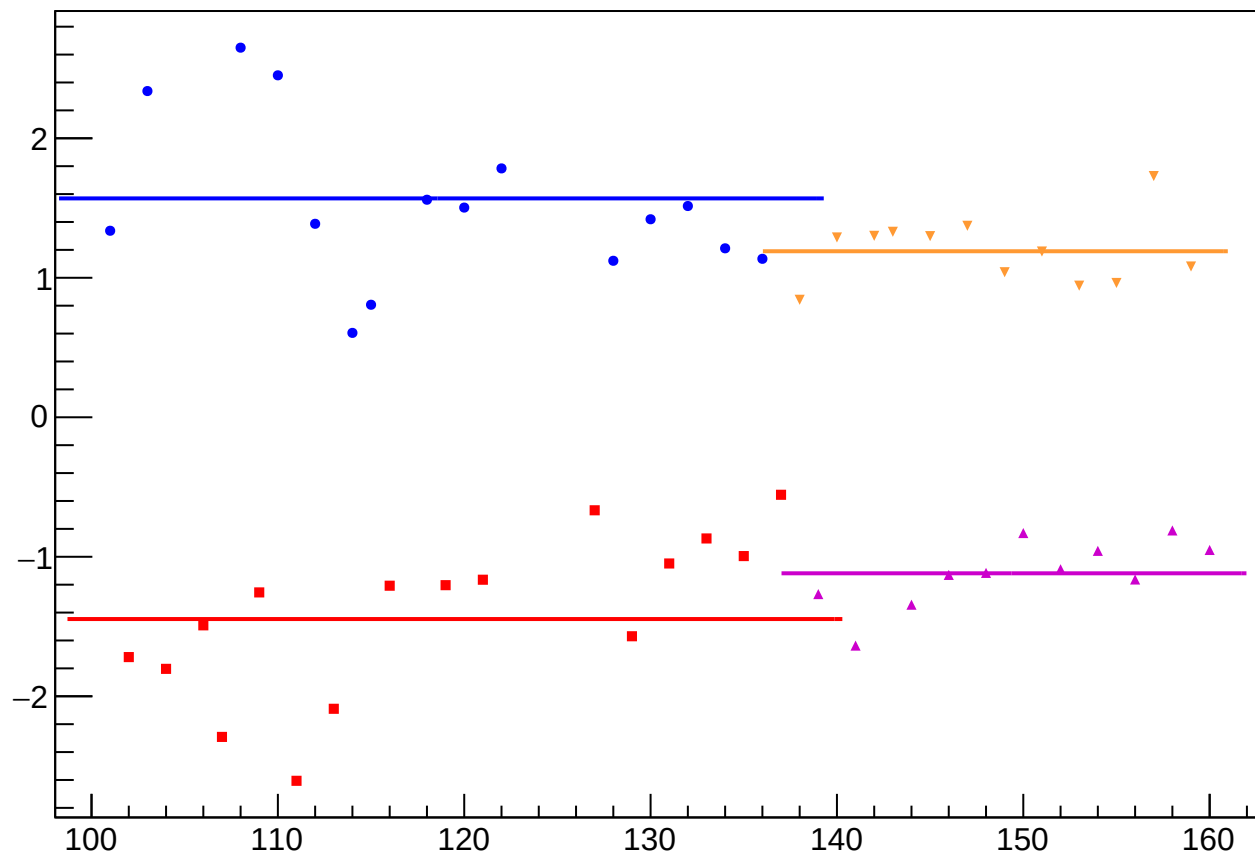
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4eY_coil4_mean vs Slug, Sign Corrected



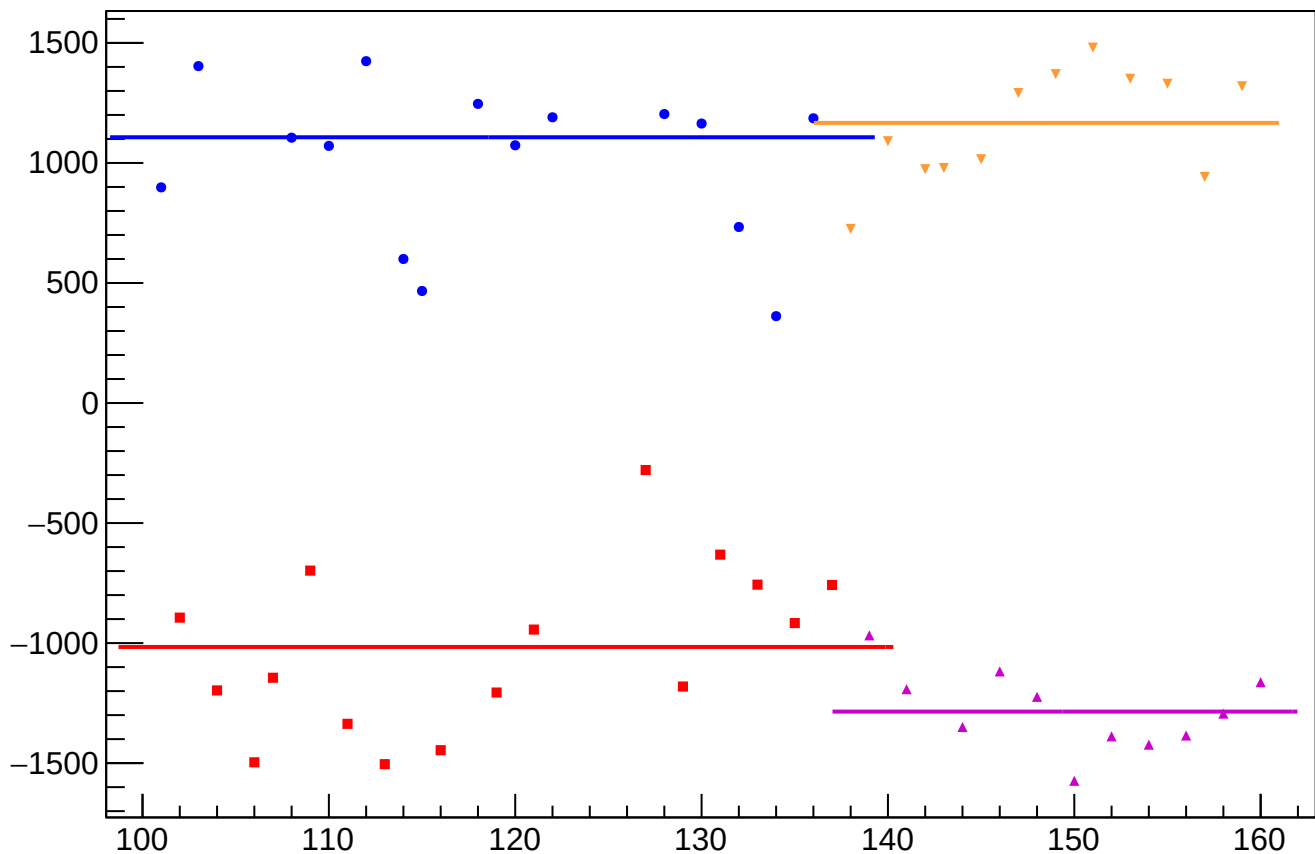
Right In: 195.940 $\pm$ 0.000 χ^2 /NDF: 1057891079869089572370479093183938560.0/14
 Left Out: 173.245 $\pm$ 0.000 χ^2 /NDF: 421189743022312956779621222954565632.0/11
 Right Out: -190.268 $\pm$ 0.000 χ^2 /NDF: 1468473073667973330267084234323656704.0/15
 Left In: -183.290 $\pm$ 0.000 χ^2 /NDF: 101738841511111417821042611832487936.0/10
 All: -3.411 $\pm$ 0.000 χ^2 /NDF: 1105507050353

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



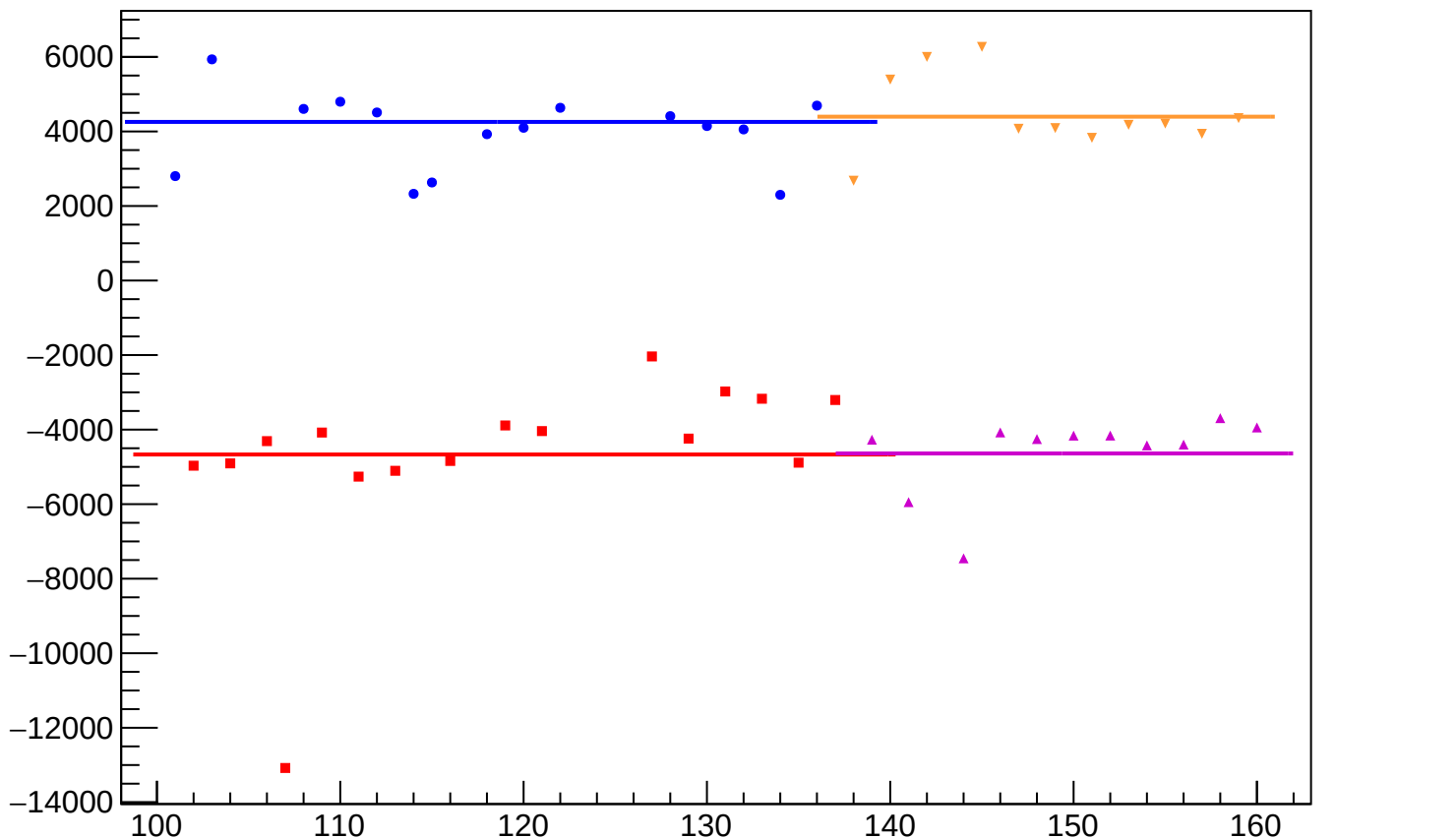
Right In: 1.569 ± 0.000 χ^2/NDF : 162849195668123380789610540957696.0/14
 Left Out: 1.190 ± 0.000 χ^2/NDF : 50745822936032217336144814145536.0/11
 Right Out: -1.446 ± 0.000 χ^2/NDF : 196296653917523352443271052787712.0/15
 Left In: -1.118 ± 0.000 χ^2/NDF : 48973496995723480911801365823488.0/10
 All: 0.034 ± 0.000 χ^2/NDF : 58987559316177

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



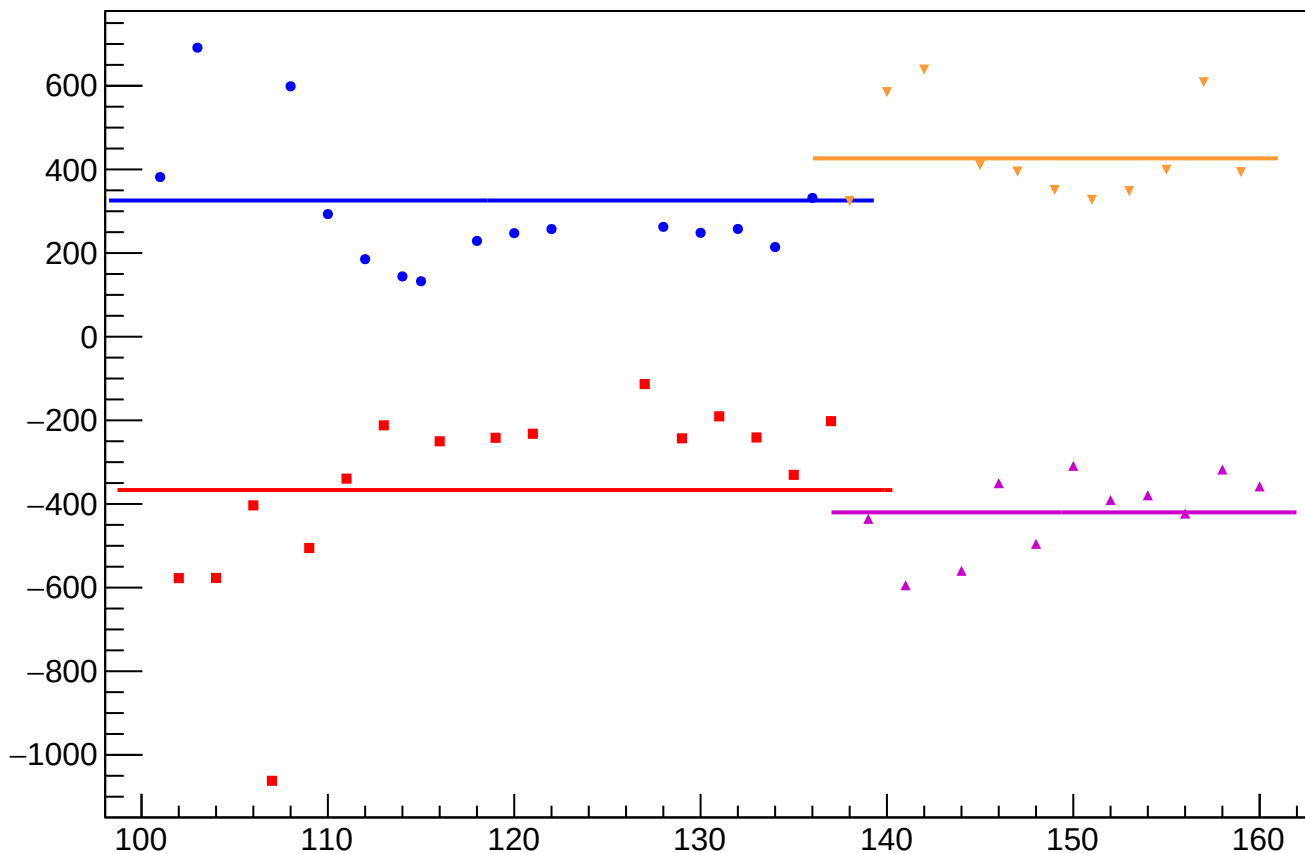
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_usl_coil4_mean vs Slug, Sign Corrected



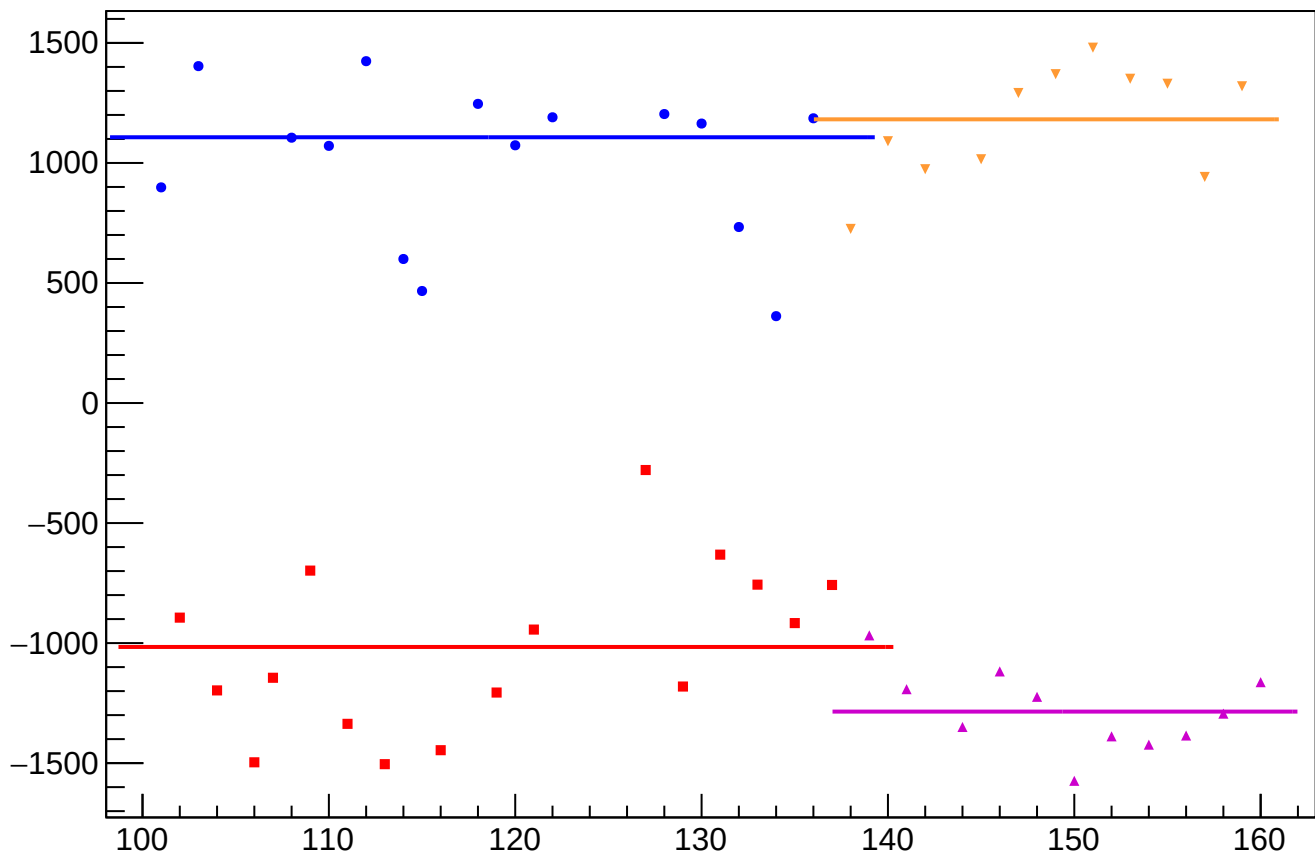
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4396.403+/-0.000 χ^2/NDF : 767686308157486440179100240552638021632.0/10
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4639.846+/-0.000 χ^2/NDF : 1058446303743243170530981239939506634752.0/10
 All: -296.246+/-0.000 χ^2/NDF : 67809743893

dit_usl_coil4_err_mean vs Slug, Sign Corrected



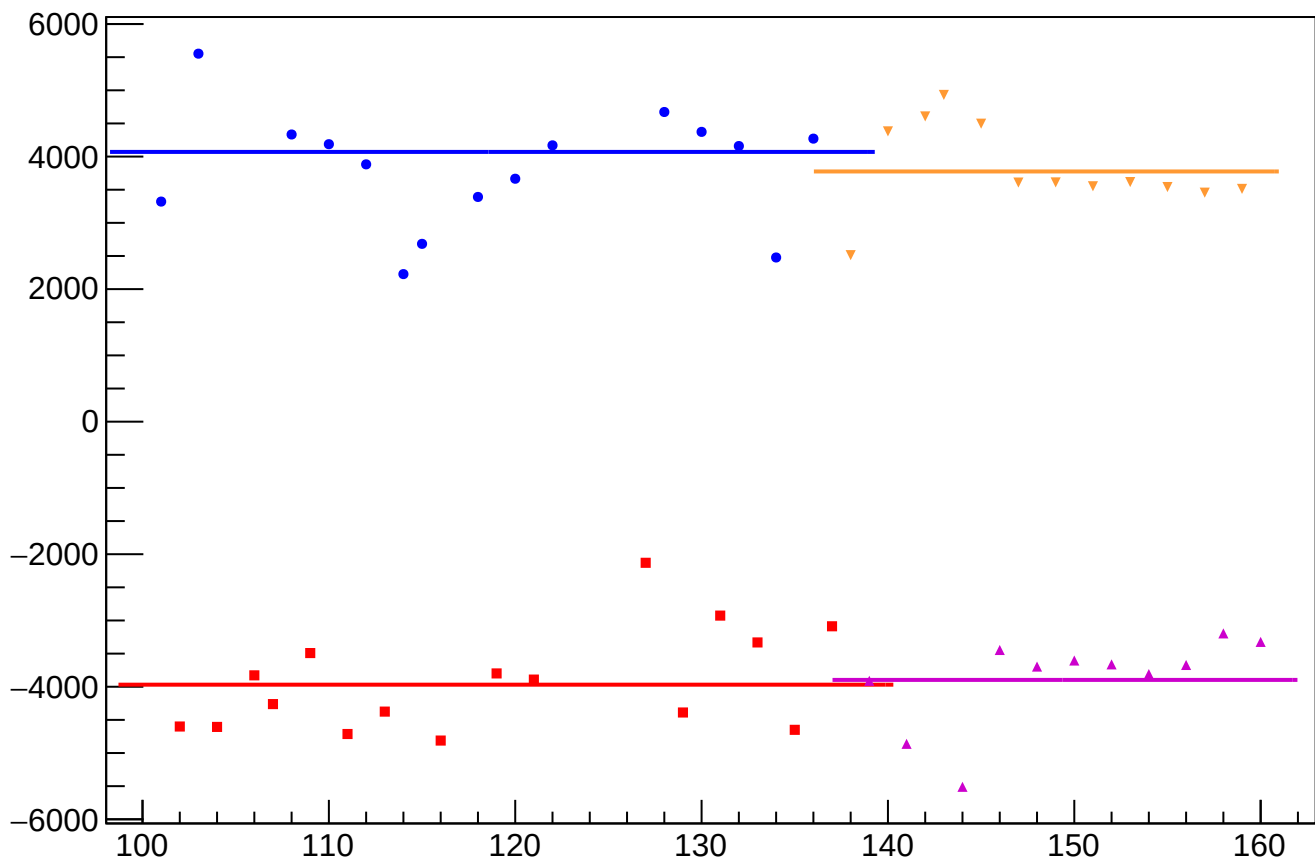
Right In: 325.732 +/- 0.000 χ^2/NDF : 14633359567940244123897242769854300160.0/14
 Left Out: 426.446 +/- 0.000 χ^2/NDF : 9564737566607591468000084323542761472.0/10
 Right Out: -366.682 +/- 0.000 χ^2/NDF : 32097250699947956409117440115398934528.0/15
 Left In: -420.062 +/- 0.000 χ^2/NDF : 7706514276709269263404419491802644480.0/10
 All: -19.474 +/- 0.000 χ^2/NDF : 538446931474

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1181.721 $\pm$ 0.000 χ^2/NDF : 42102883856321275256821029062509068288.0/10
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -47.303 $\pm$ 0.000 χ^2/NDF : 436585203886

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

Left Out: 3775.469+/-0.000

χ^2/NDF : 344611737456116155441573311529372090368.0/11

Right Out: -3968.723+/-0.000

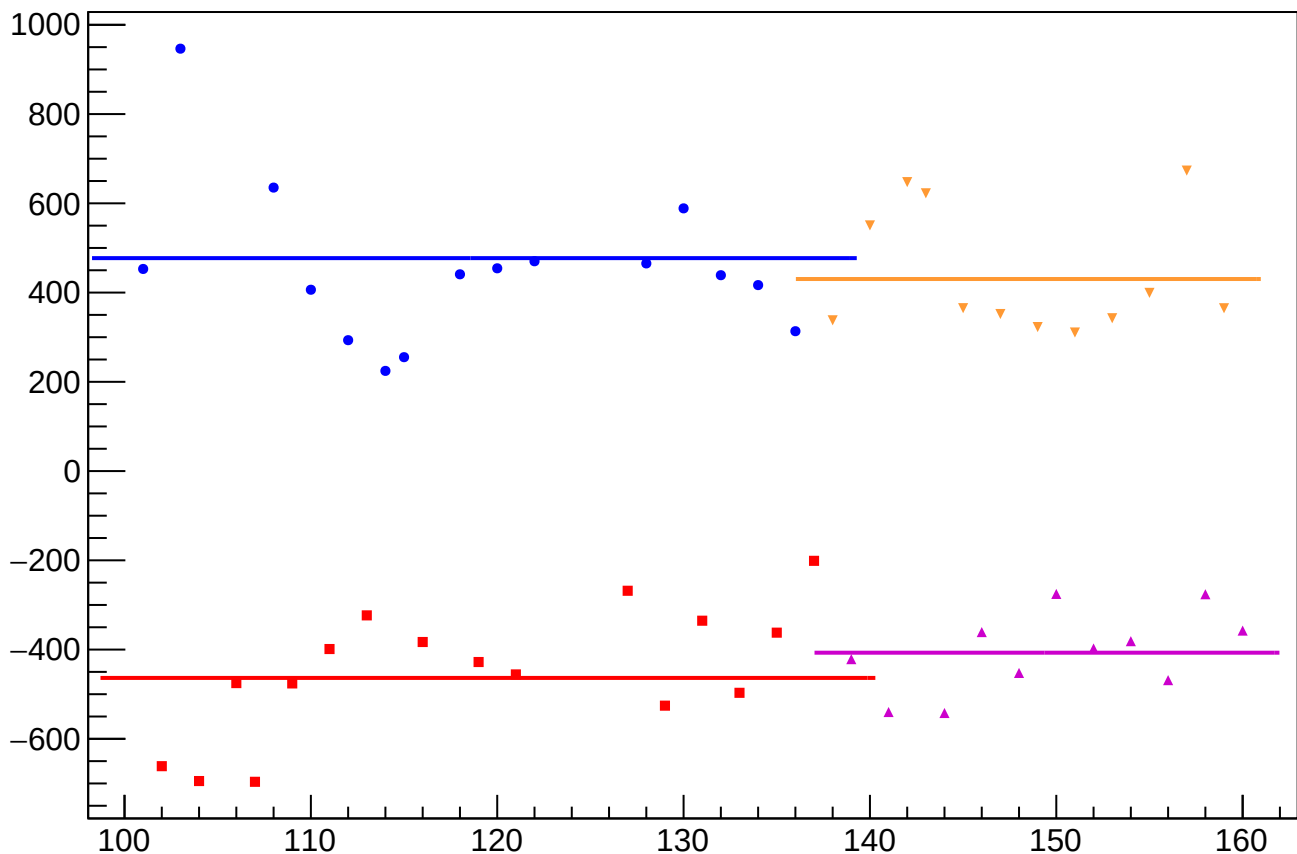
χ^2/NDF : 359955880326194784467353369492594884608.0/15

Left In: -3896.757+/-0.000

χ^2/NDF : 412530714584693730225130204014353317888.0/10

All: -49.222+/-0.000 χ^2/NDF : 497704442491

dit_usr_coil4_err_mean vs Slug, Sign Corrected



Right In: 477.186+/-0.000

χ^2/NDF : 20455719931758379978892605184974782464.0/14

Left Out: 430.385+/-0.000

χ^2/NDF : 15124863187063515916775500602167787520.0/11

Right Out: -463.513+/-0.000

χ^2/NDF : 12556777931069903370031832388184571904.0/15

Left In: -406.990+/-0.000

χ^2/NDF : 7014219134688394471330081136711827456.0/10

Left: 9.420+/-0.000 χ^2/NDF : 344329492492659373

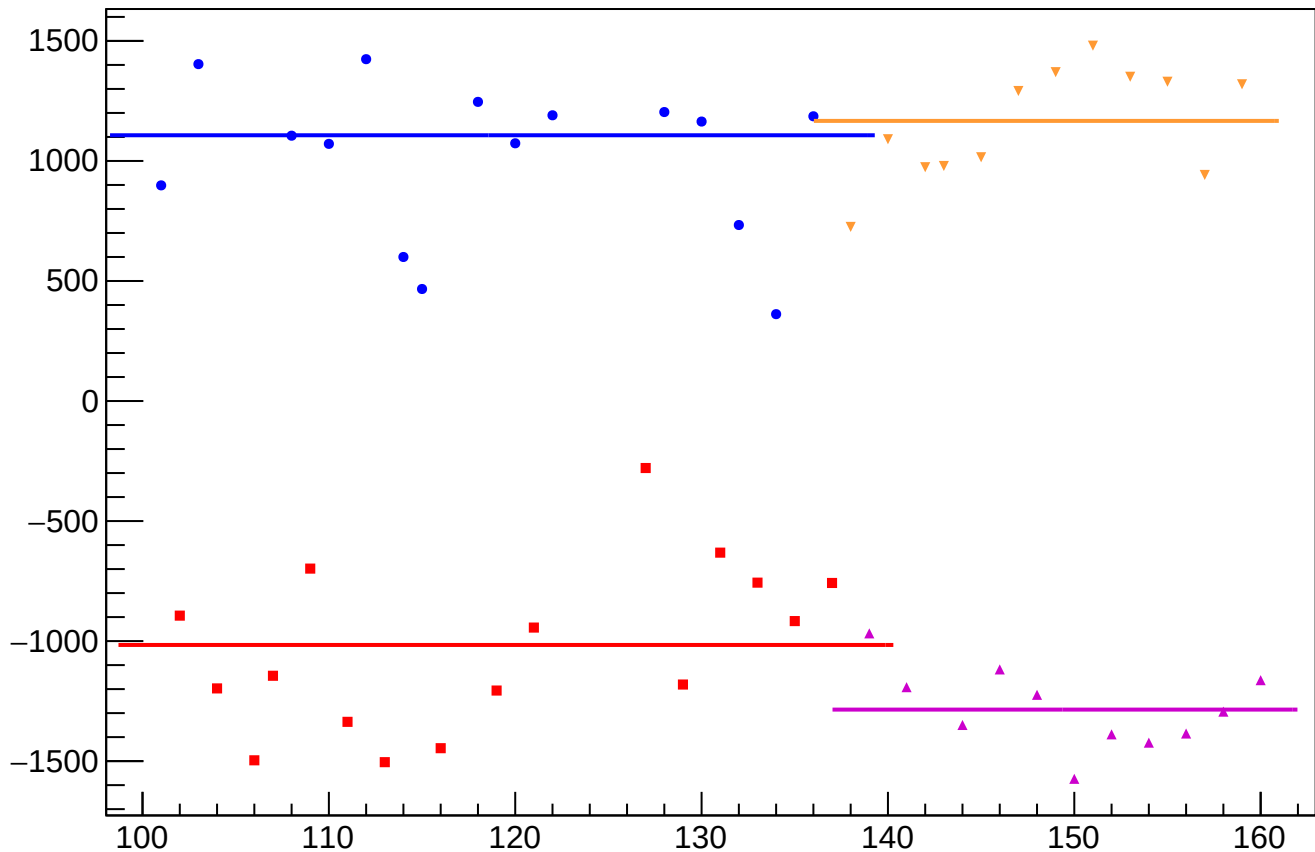
Right: 0.404+/-0.000 χ^2/NDF : 32409492726519645

In: -42.190+/-0.000 χ^2/NDF : 32550383168083429

Out: 53.263+/-0.000 χ^2/NDF : 33579872777061970

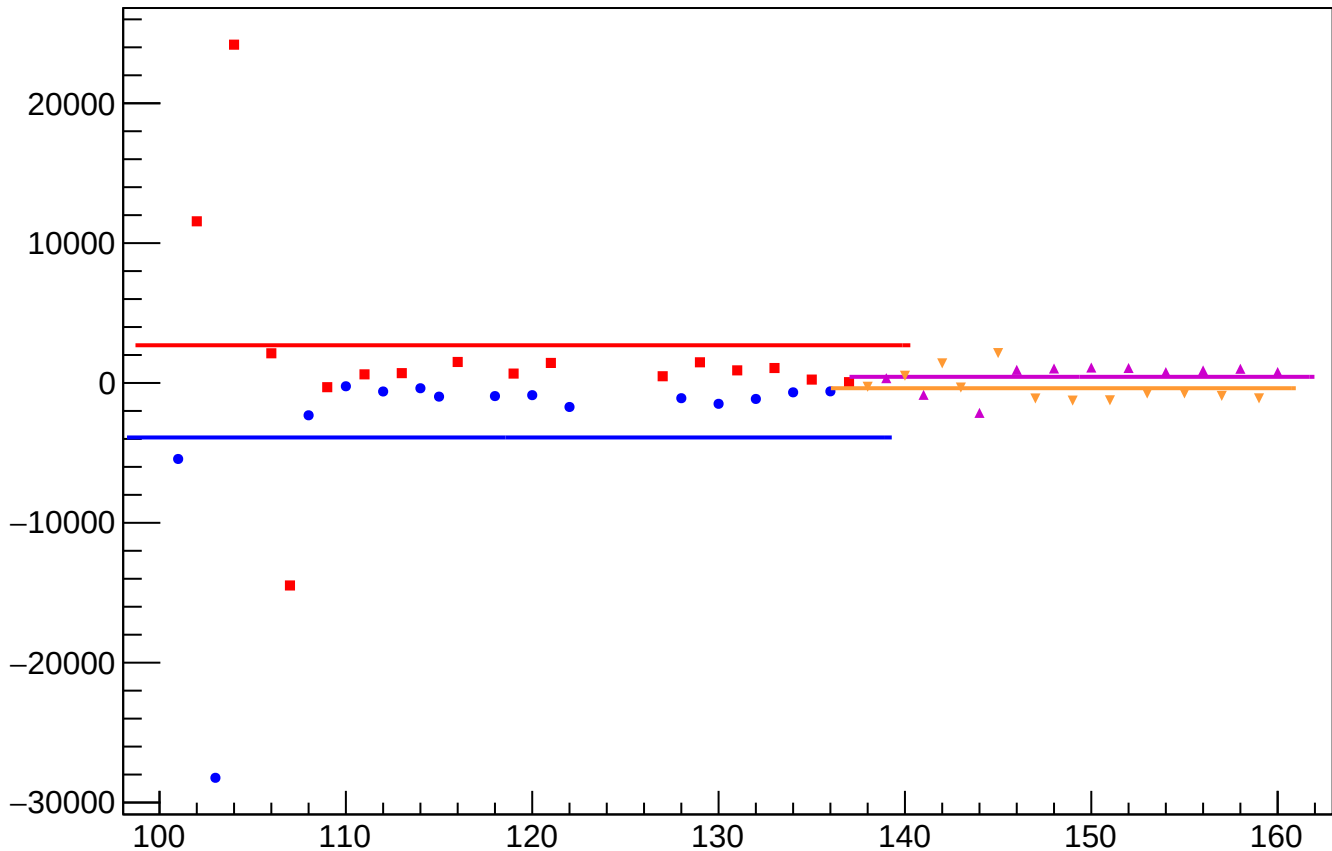
All: 5.658+/-0.000 χ^2/NDF : 66848676133618

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 72567664333509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522+/-0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -375.430+/-0.000

χ^2/NDF : 958630071854954411455962799285737619456.0/11

Right Out: 2695.992+/-0.000

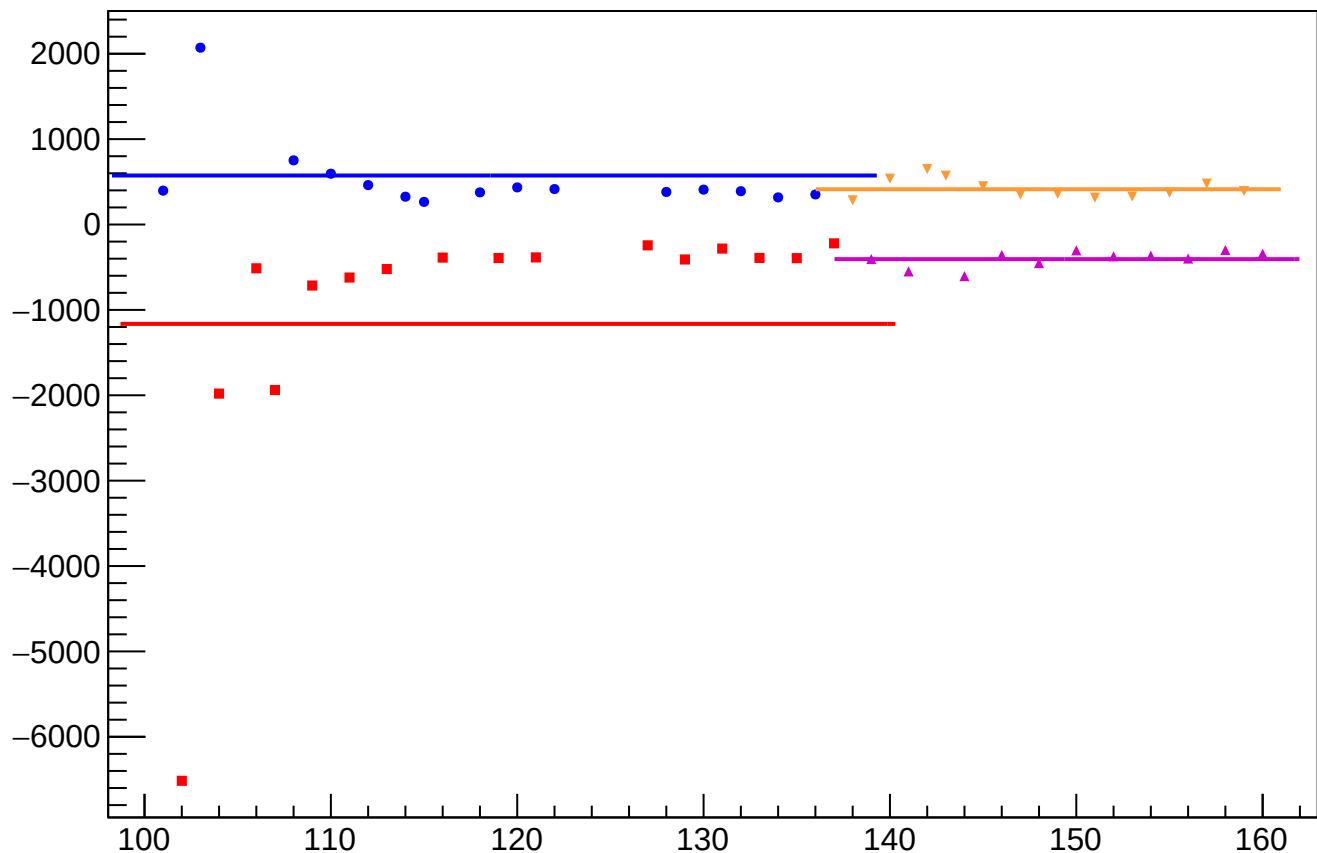
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 439.289+/-0.000

χ^2/NDF : 921031566733723872829454078558930468864.0/10

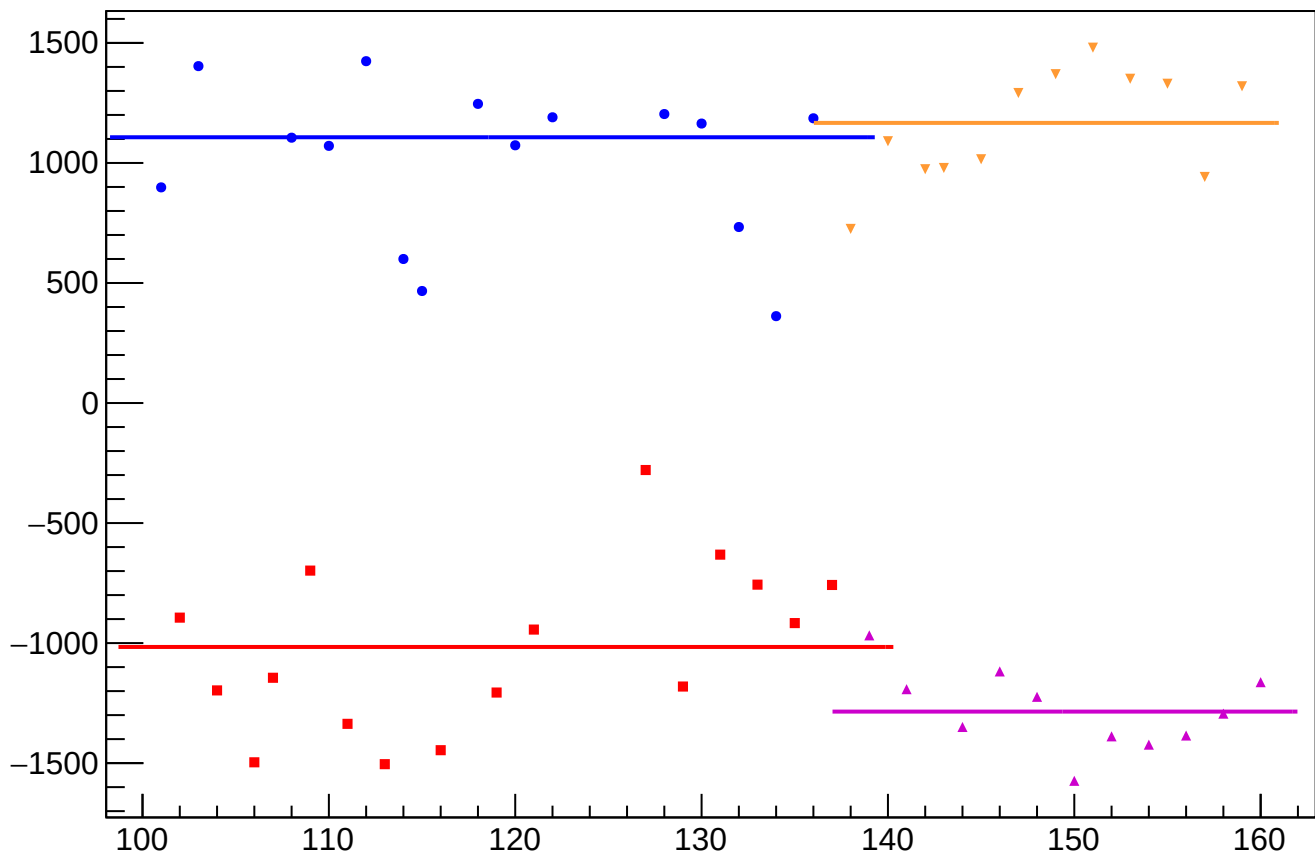
All: -211.749+/-0.000 χ^2/NDF : 97188137344

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



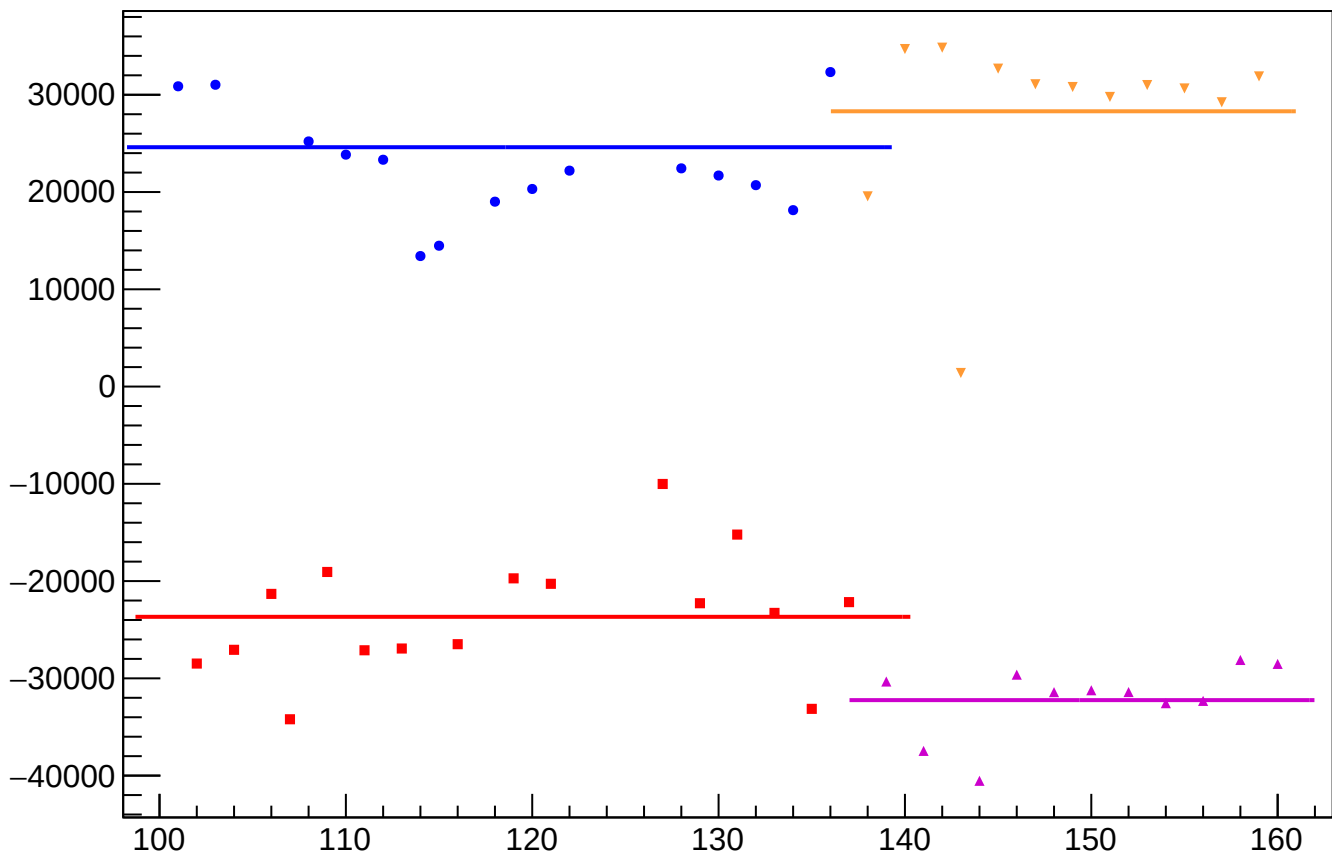
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 413.017+/-0.000 χ^2/NDF : 9379796802385704003508317238748774400.0/11
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -405.371+/-0.000 χ^2/NDF : 8096374045117906535343483577494929408.0/10
 All: -127.041+/-0.000 χ^2/NDF : 35467372325

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



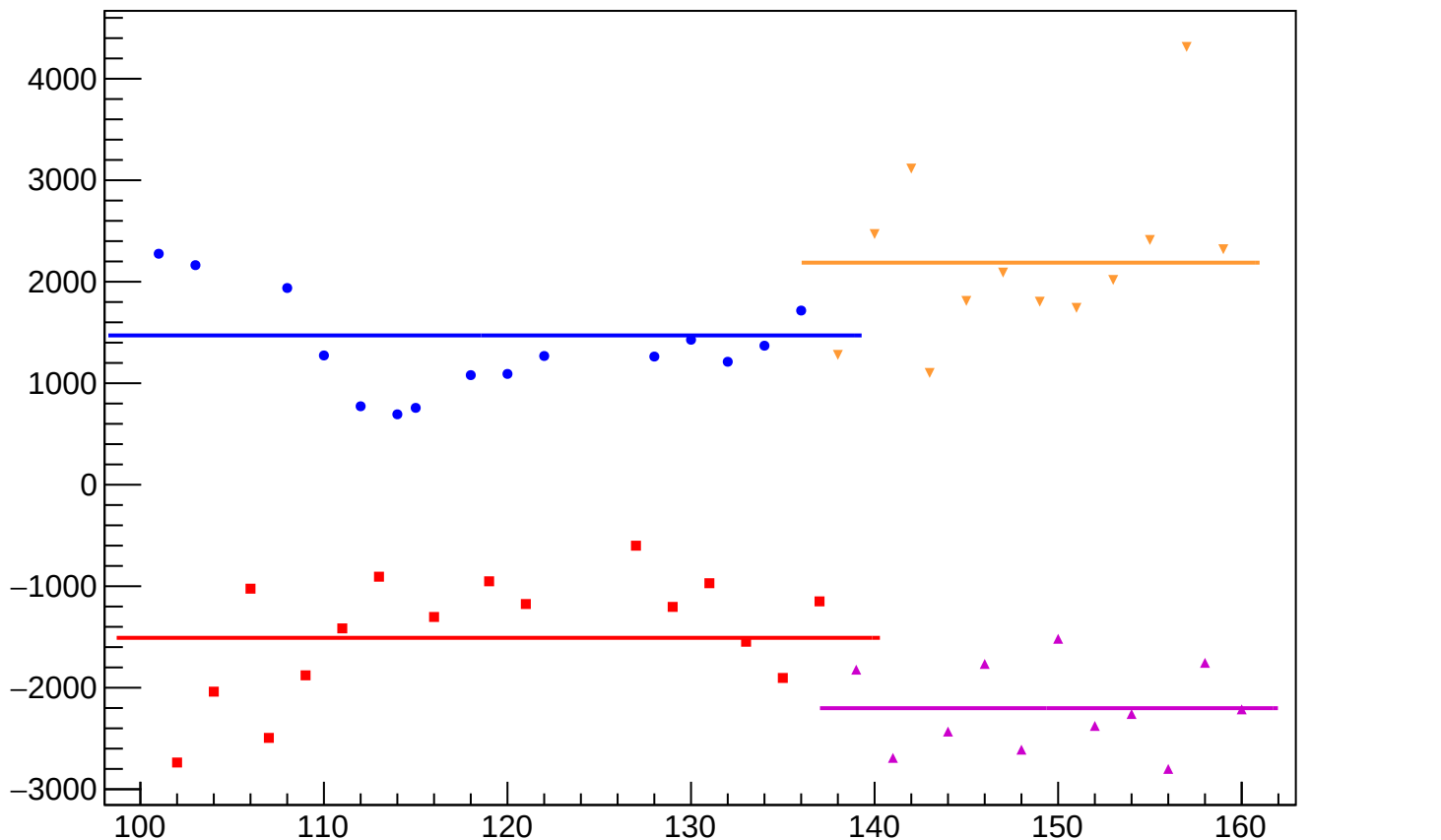
Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2 /NDF: 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2 /NDF: 443493791328

dit_atl2_coil4_mean vs Slug, Sign Corrected



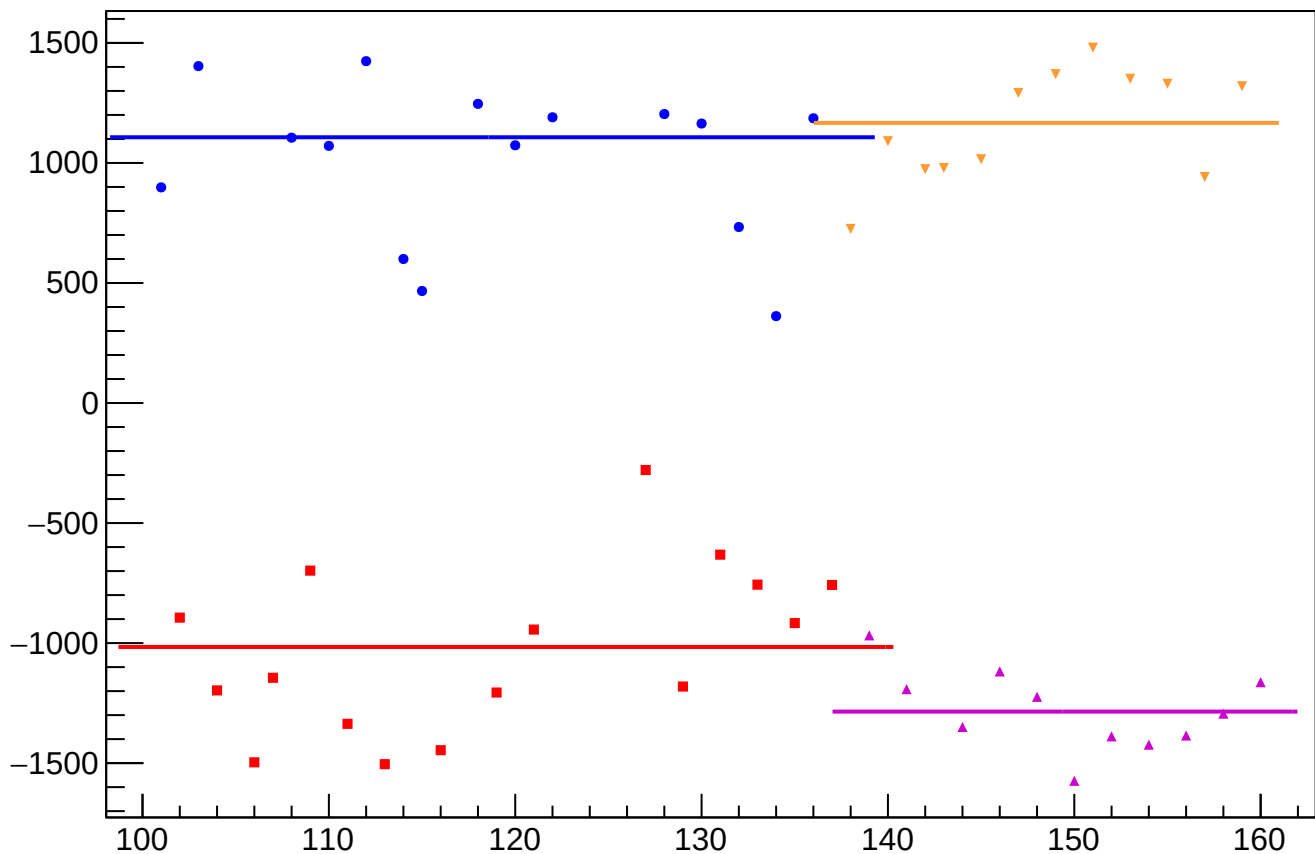
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28302.359+/-0.000 χ^2/NDF : 64743960576526073147852789326823934656512.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1185.856+/-0.000 χ^2/NDF : 2573988051

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



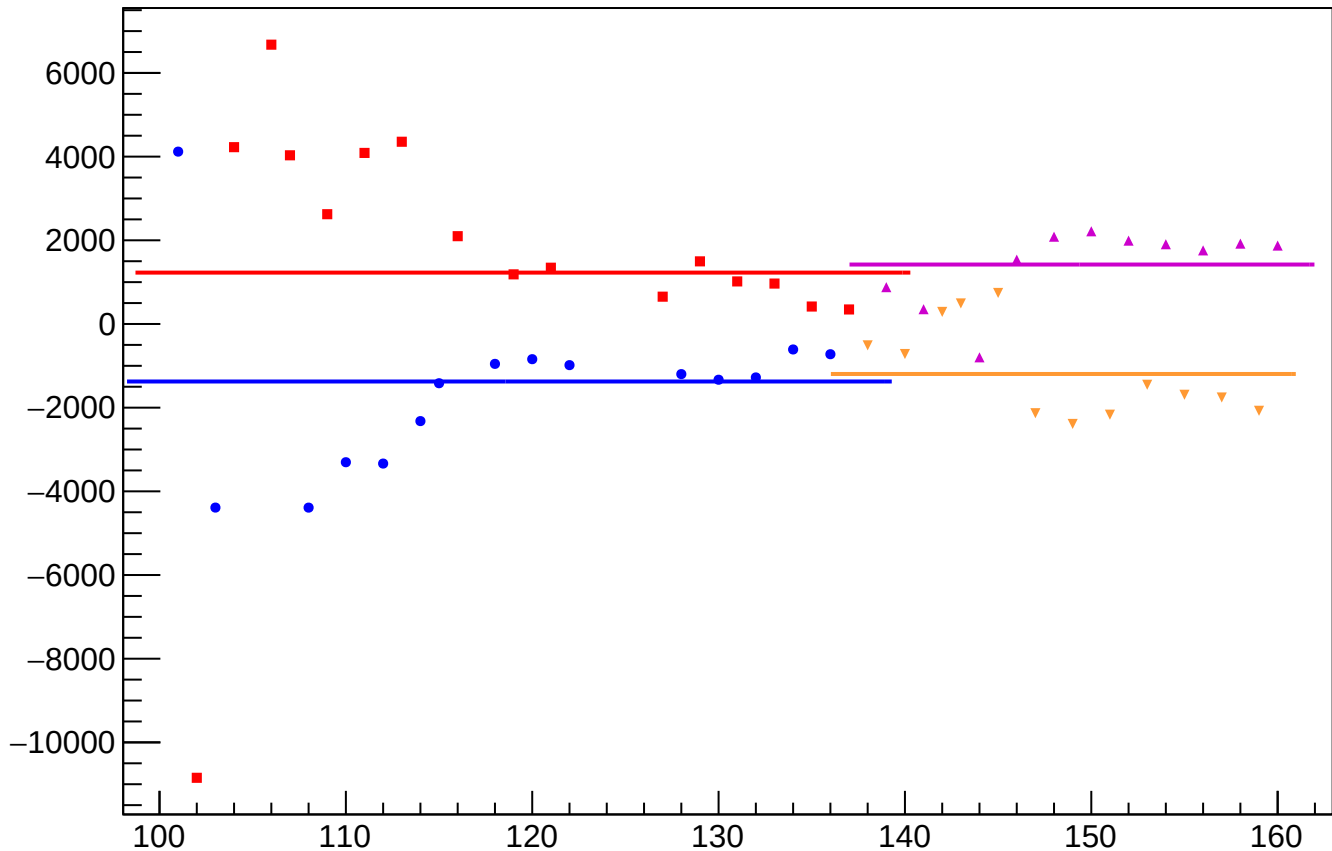
Left: -18.662 +/- 0.000 χ^2/NDF : 9604851757835687
 Right: -39.055 +/- 0.000 χ^2/NDF : 330947344548199
 In: -686.275 +/- 0.000 χ^2/NDF : 5438324784011715
 Out: 628.599 +/- 0.000 χ^2/NDF : 6113094829757836
 All: -27.171 +/- 0.000 χ^2/NDF : 129146441419

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1194.978+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1012982164343735644721296583058593415168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 120.030+/-0.000 χ^2/NDF : 4904926728039627

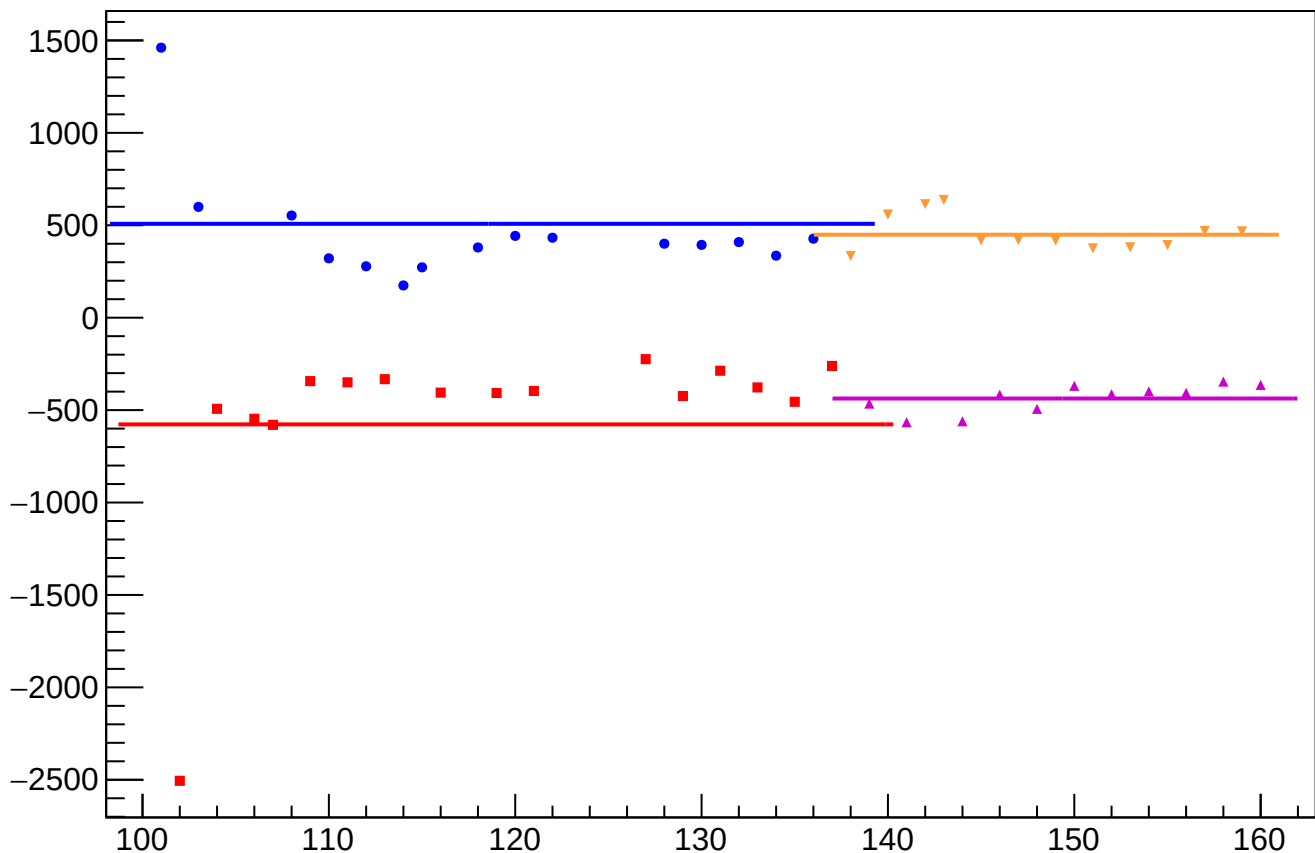
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.811+/-0.000 χ^2/NDF : 143918754957920

All: 46.783+/-0.000 χ^2/NDF : 2134436142325

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 448.905+/-0.000

χ^2/NDF : 6972444969041725929744111494148128768.0/11

Right Out: -577.250+/-0.000

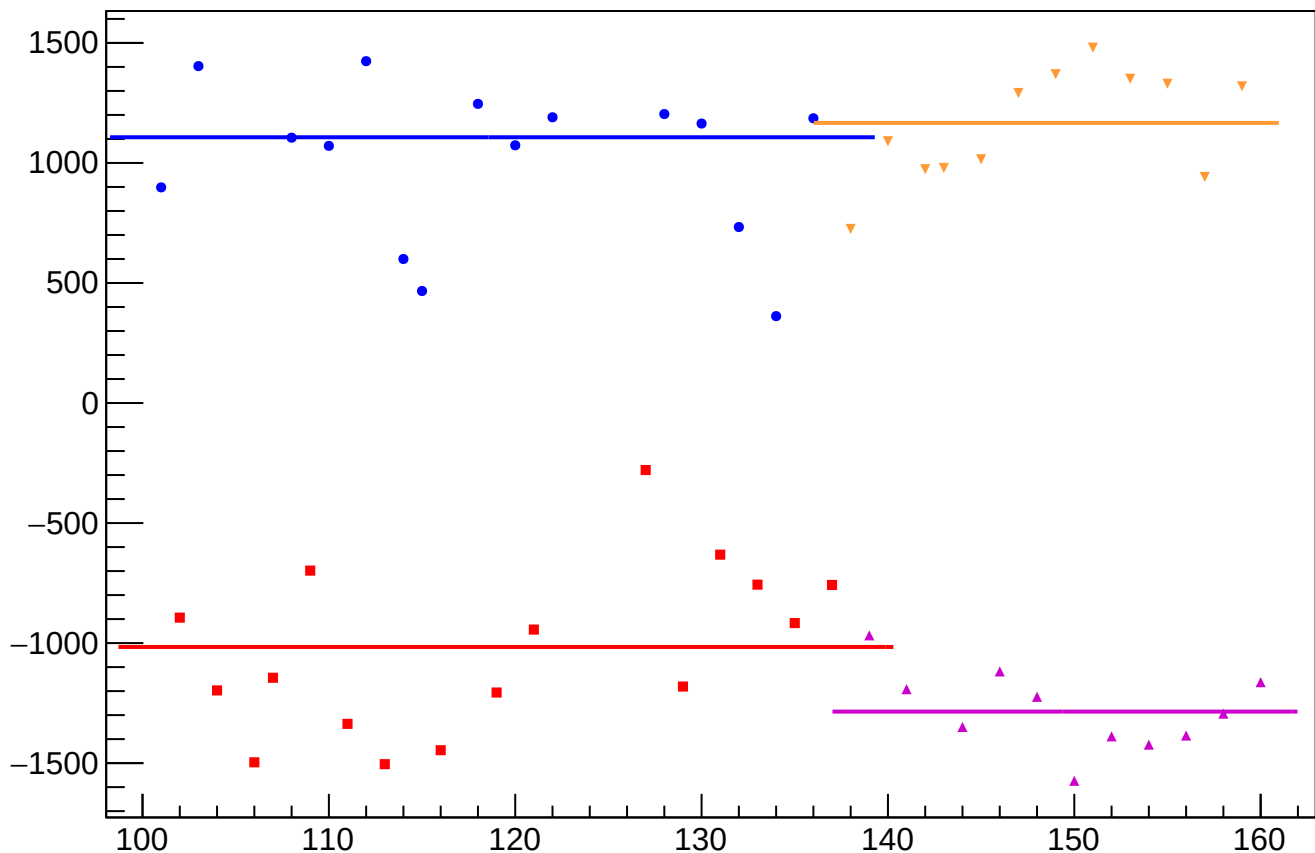
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

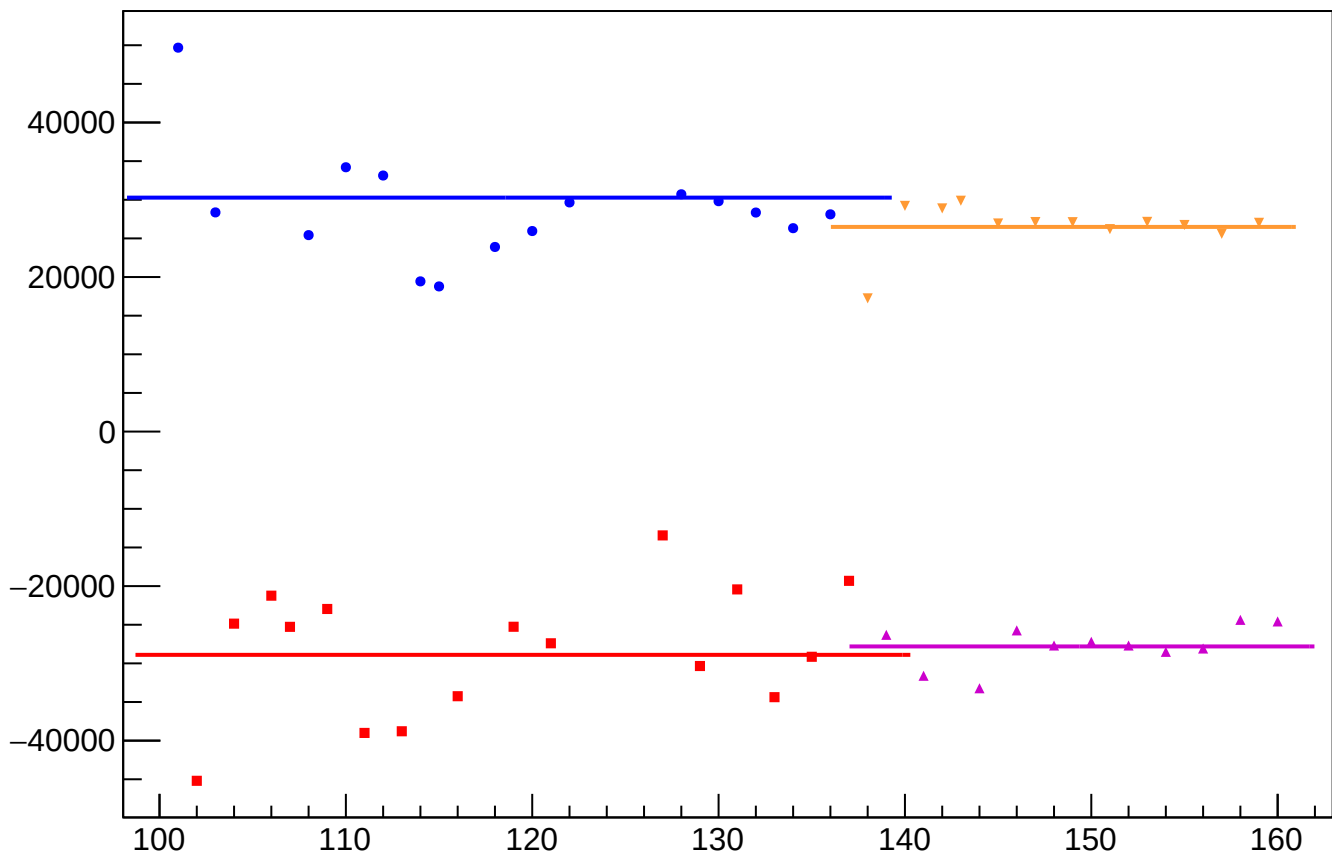
All: -15.611+/-0.000 χ^2/NDF : 106701634148

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



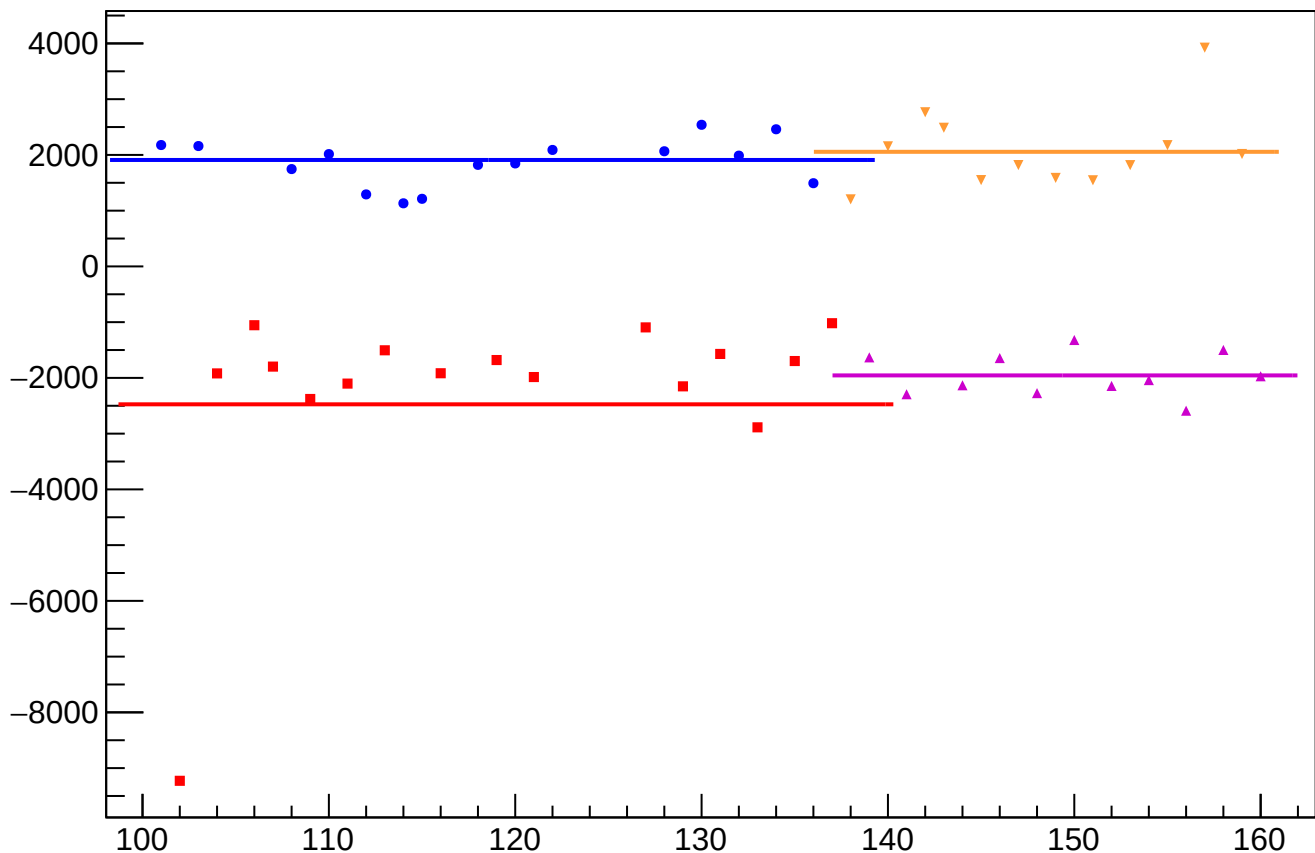
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_atr2_coil4_mean vs Slug, Sign Corrected



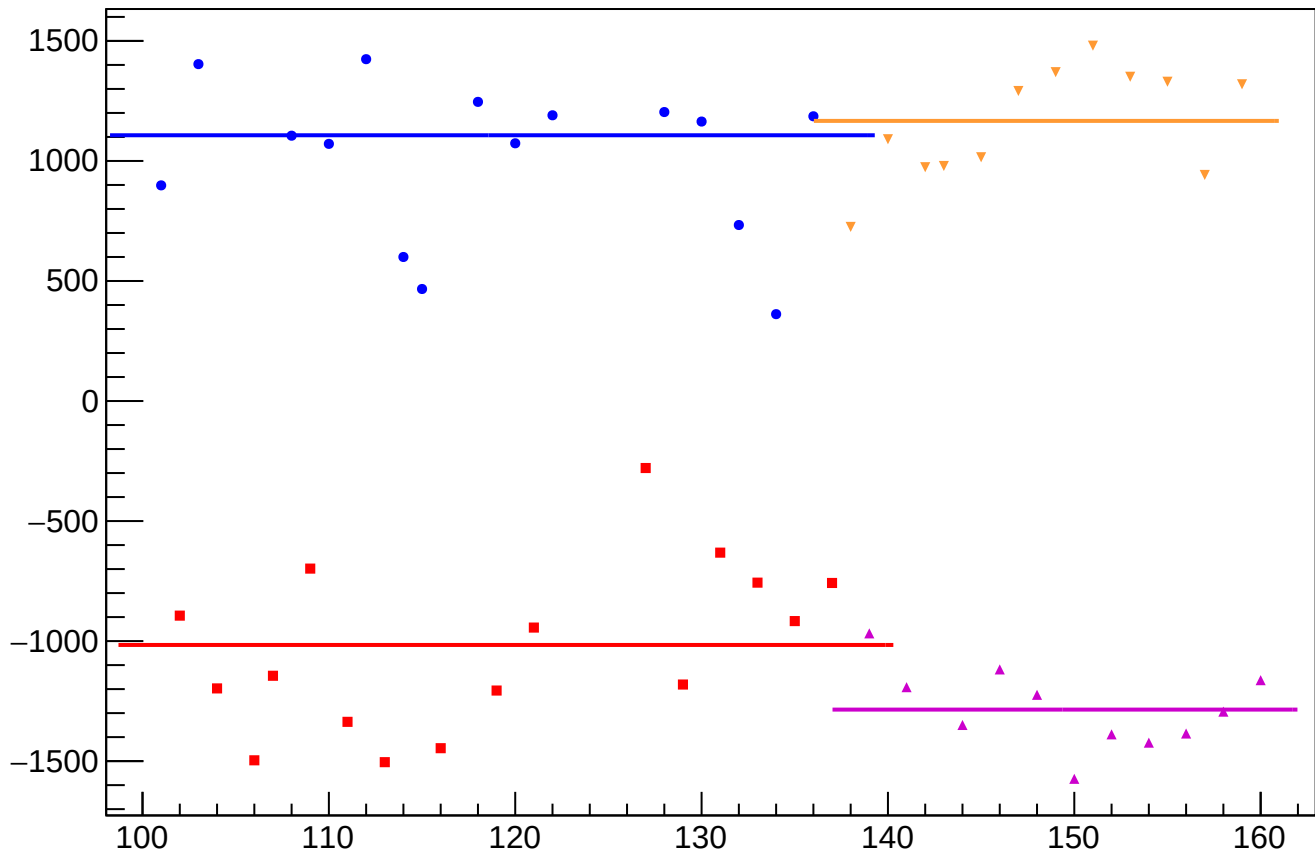
Right In: 30277.649+/-0.000 χ^2/NDF : 30975974641524142453090022540760519278592.0/14
 Left Out: 26486.725+/-0.000 χ^2/NDF : 8520993483340987429131750717035884052480.0/11
 Right Out: -28896.318+/-0.000 χ^2/NDF : 46969504058010359146250560228409714147328.0/15
 Left In: -27807.237+/-0.000 χ^2/NDF : 6193058620219899678835139815803642183680.0/10
 All: -351.512+/-0.000 χ^2/NDF : 25998642244

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



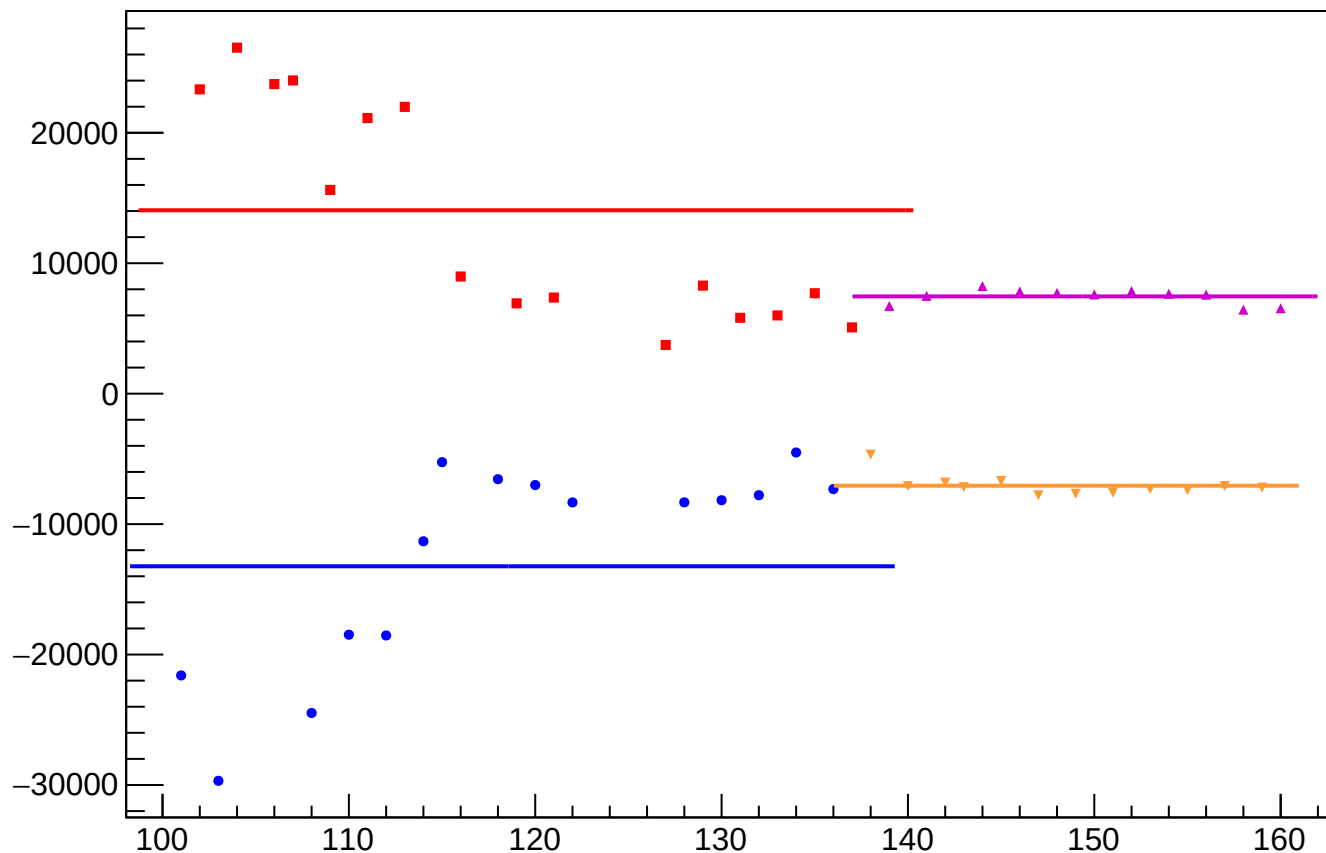
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2055.788+/-0.000 χ^2/NDF : 438010168588723075505721290768963862528.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.368+/-0.000 χ^2/NDF : 17494221106

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



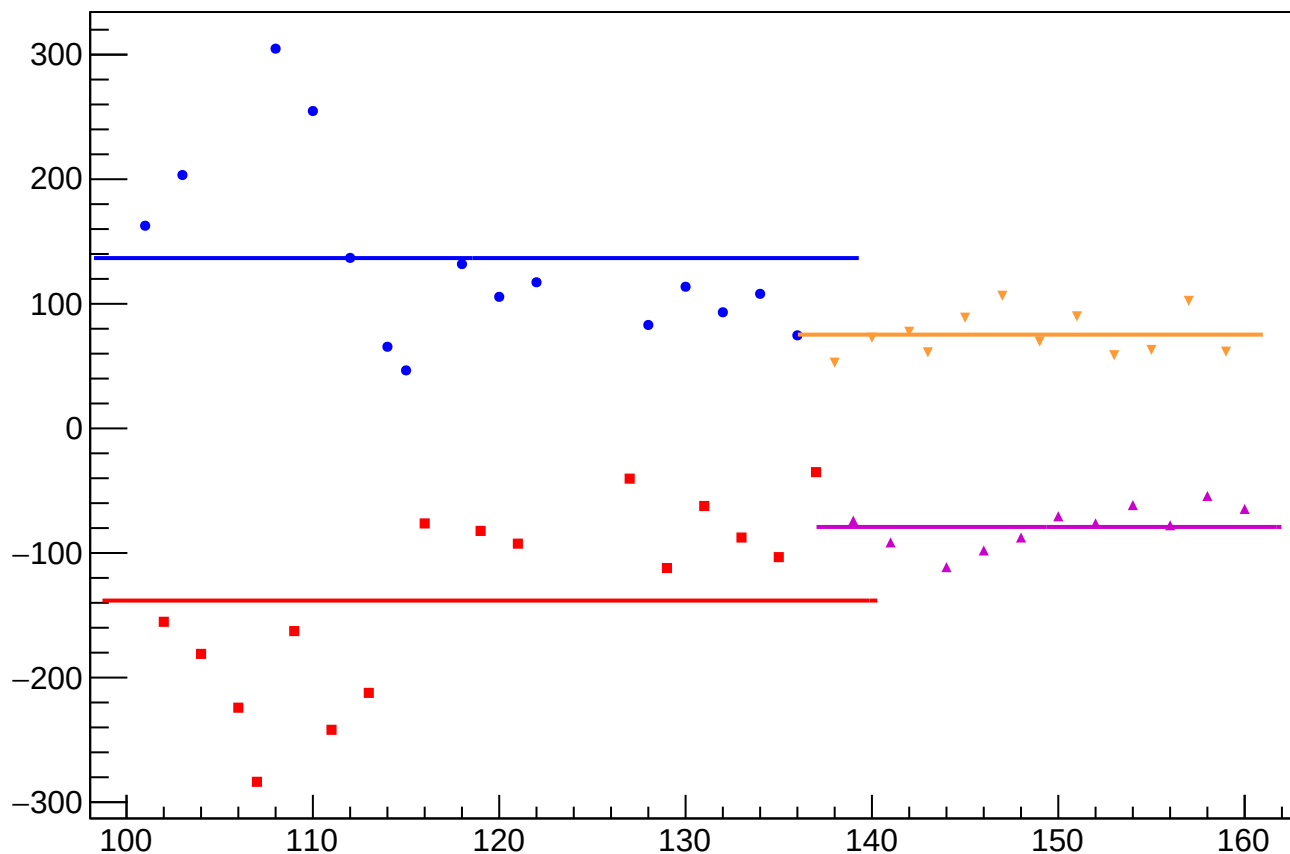
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam1_coil4_mean vs Slug, Sign Corrected



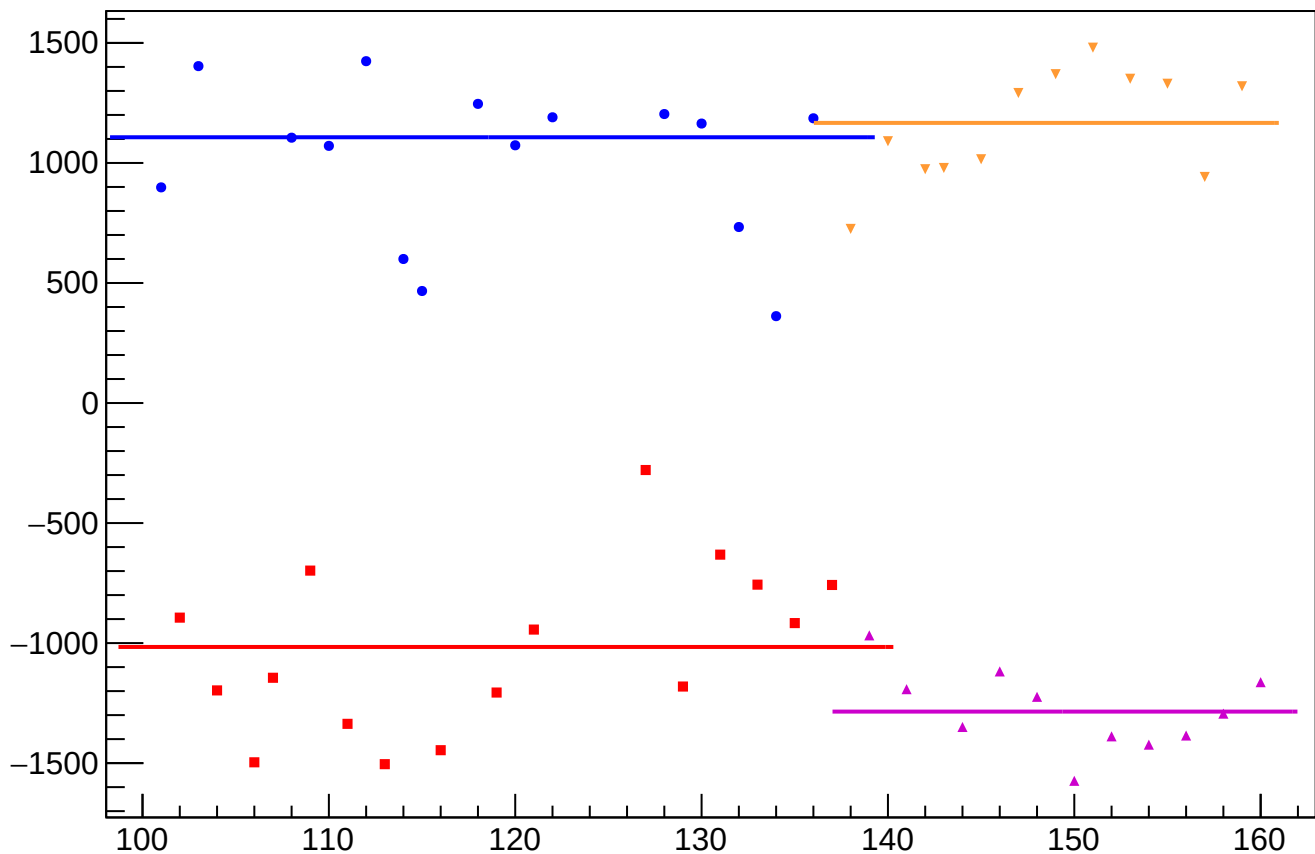
Left: 238.790+/-0.000 χ^2/NDF : 9764033800523105
 Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 Left Out: -7057.509+/-0.000 χ^2/NDF : 567022768290026836186795118569021505536.0/11
 In: -1080.099+/-0.000 χ^2/NDF : 204729341611961
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Out: 1851.692+/-0.000 χ^2/NDF : 217018548162785
 Left In: 7456.124+/-0.000 χ^2/NDF : 284554324589778558842129447316923351040.0/10
 All: 389.515+/-0.000 χ^2/NDF : 428525321735

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



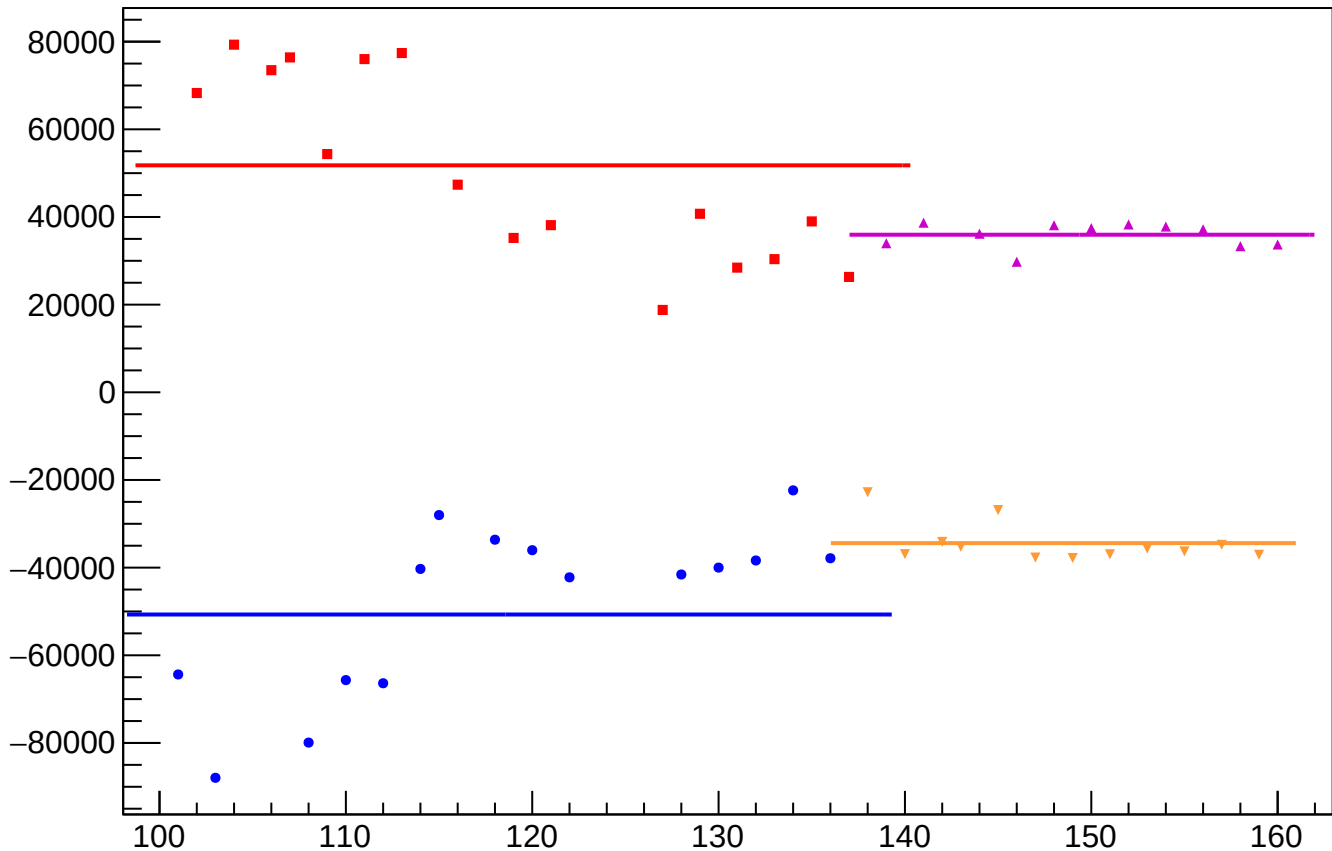
Right In: 136.711+/-0.000 χ^2/NDF : 2687065030885227126291764267456659456.0/14
 Left Out: 75.280+/-0.000 χ^2/NDF : 271565230291715258223184233837363200.0/11
 Right Out: -138.179+/-0.000 χ^2/NDF : 3230883352878636334641613561898467328.0/15
 Left In: -79.096+/-0.000 χ^2/NDF : 243975342218114768326270780809674752.0/10
 All: -2.448+/-0.000 χ^2/NDF : 4224006616846

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -50695.424+/-0.000

Left Out: -34404.656+/-0.000

Right Out: 51783.912+/-0.000

Left In: 35949.660+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 18820007226442898256054839449855820038144.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 6535777806152232441815832130596699635712.0/10

Left: 963.890+/-0.000 χ^2/NDF : 2299689310411856

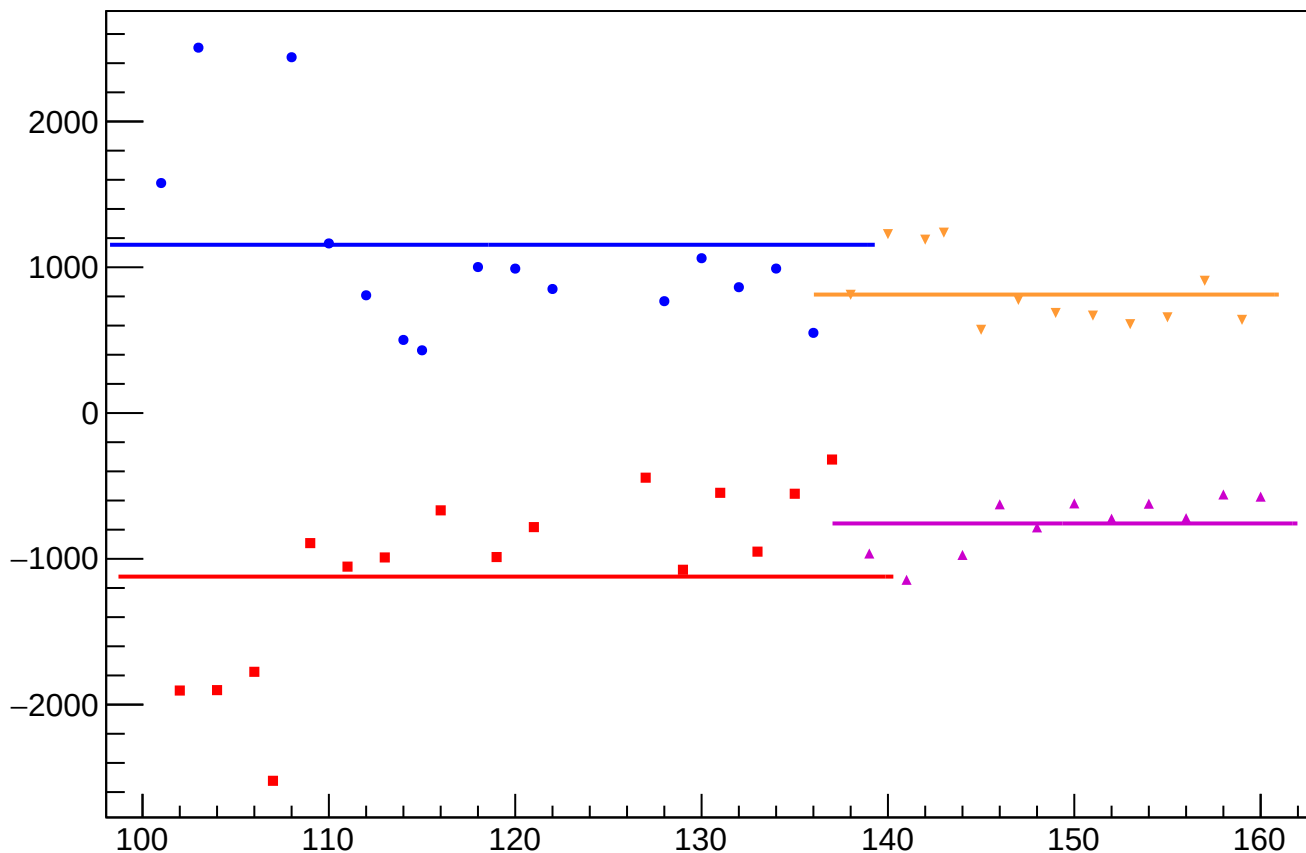
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1956.998+/-0.000 χ^2/NDF : 316504805338211

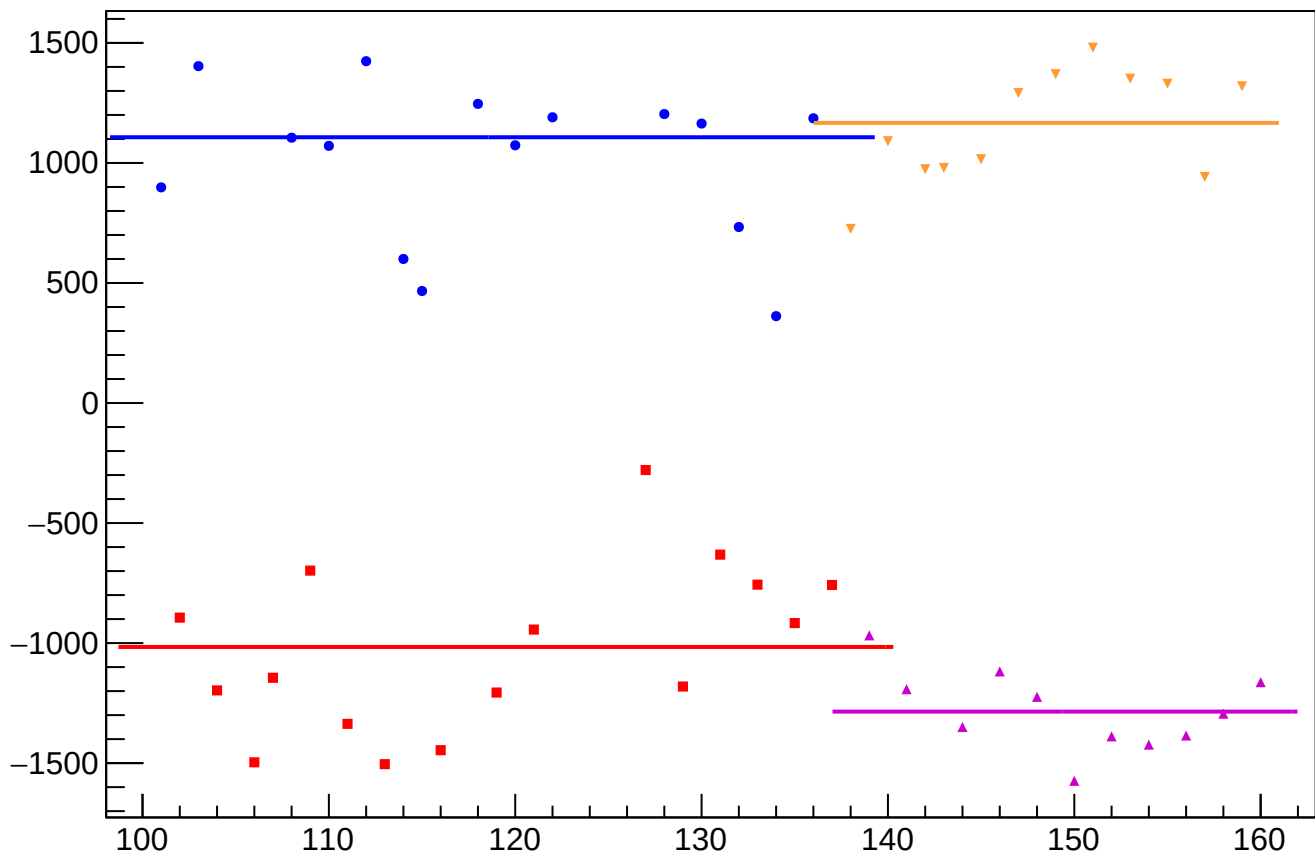
All: 1081.220+/-0.000 χ^2/NDF : 6262669489

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



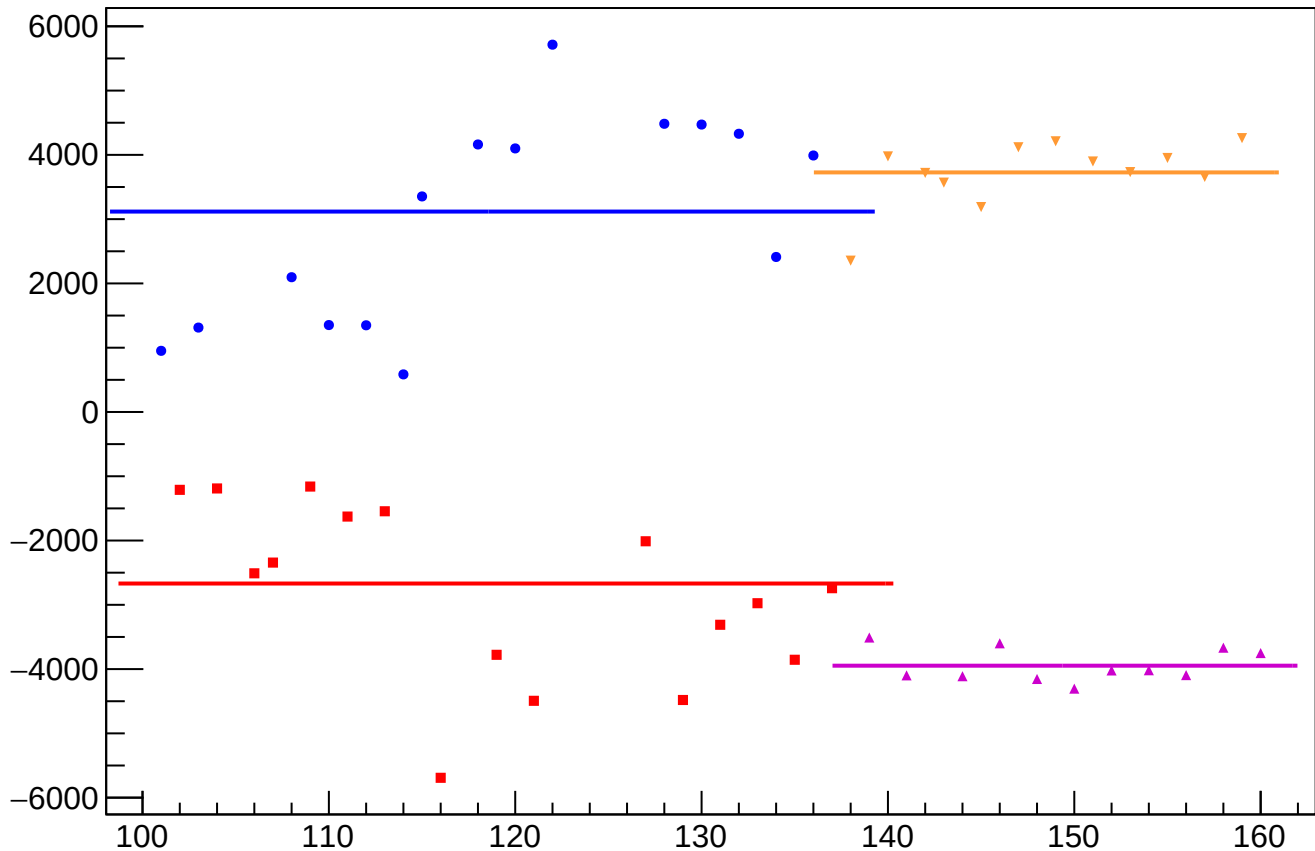
Left: 23.438+/-0.000 χ^2/NDF : 12126636203520677
 Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Right: 0.631+/-0.000 χ^2/NDF : 21797856278979973
 Left Out: 812.768+/-0.000 χ^2/NDF : 48869150953187834312923483015749828608.0/11
 In: 31.386+/-0.000 χ^2/NDF : 167352264529272497
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Out: -3.453+/-0.000 χ^2/NDF : 17183684725504016
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 All: 13.922+/-0.000 χ^2/NDF : 3392848168342

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914 $\pm$ 0.000

χ^2/NDF : 1552738593335565674554918493159210090496.0/14

Left Out: 3727.095 $\pm$ 0.000

χ^2/NDF : 237477678561542860292825834329185714176.0/11

Right Out: -2668.794 $\pm$ 0.000

χ^2/NDF : 1136406286131098596000054422131257114624.0/15

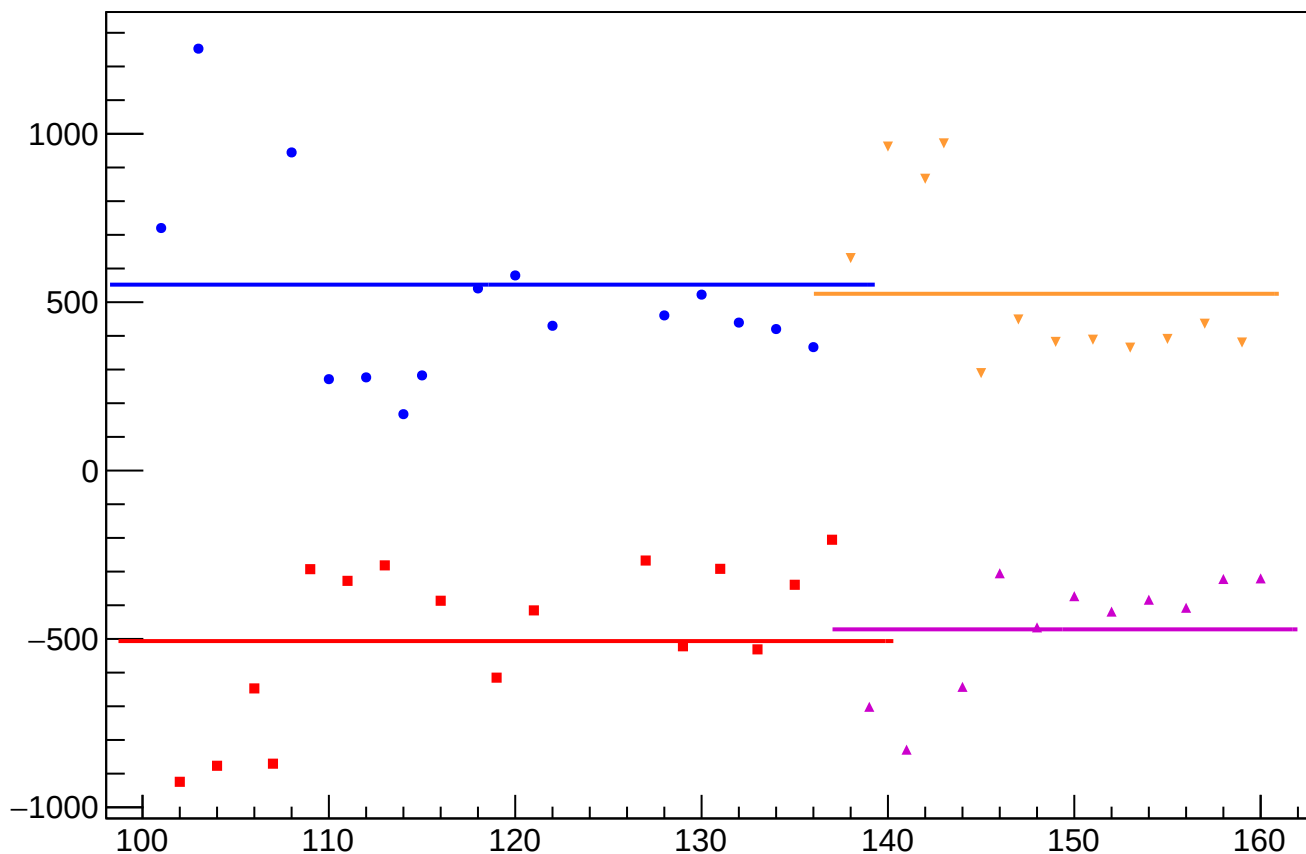
Left In: -3947.046 $\pm$ 0.000

χ^2/NDF : 56963661018859057070812095134472077312.0/10

All: 0.930 $\pm$ 0.000

χ^2/NDF : 41135190376945

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108+/-0.000 χ^2/NDF : 50739041741159119848523988236001869824.0/14

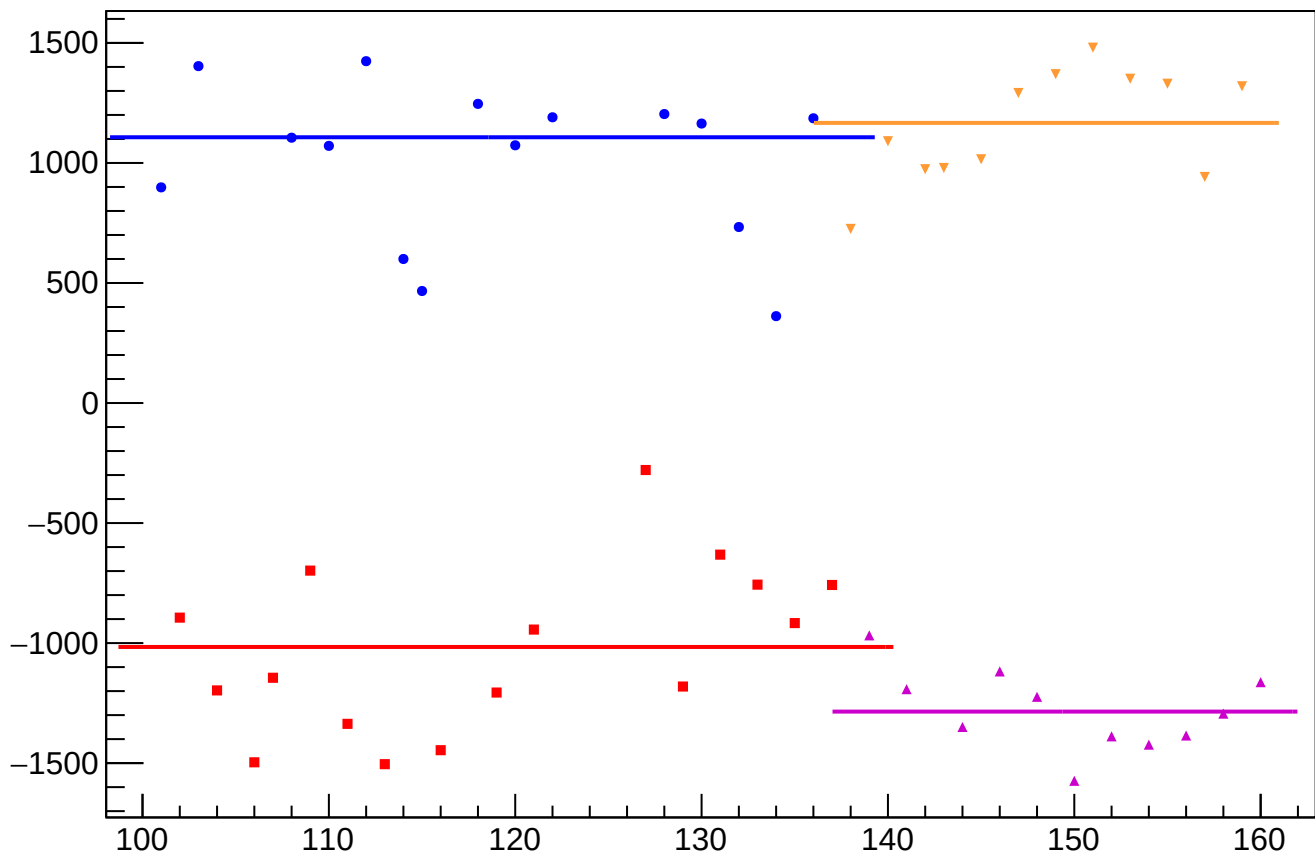
Left Out: 524.984+/-0.000 χ^2/NDF : 49120612413638370088062361036096798720.0/11

Right Out: -506.345+/-0.000 χ^2/NDF : 37181653297314883501659131806010572800.0/15

Left In: -471.540+/-0.000 χ^2/NDF : 25680884477827715914944205366363160576.0/10

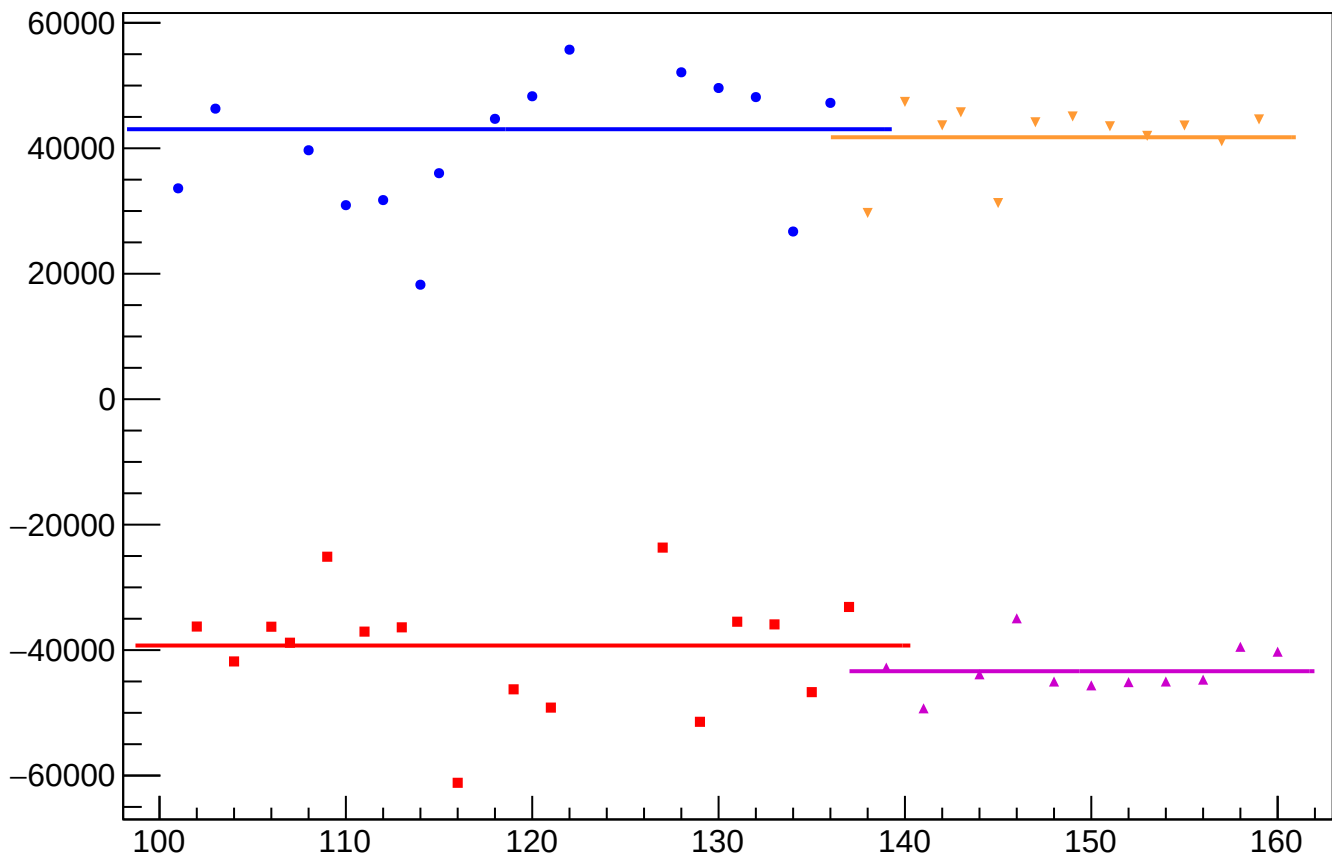
All: 20.520+/-0.000 χ^2/NDF : 9875911626514

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 ± 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 ± 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 ± 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 ± 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 ± 0.000 χ^2/NDF : 443493791328

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43039.927+/-0.000

χ^2/NDF : 48397052922561722652666786407552179503104.0/14

Left Out: 41759.238+/-0.000

χ^2/NDF : 26338532629522543185974017898719754584064.0/11

Right Out: -39269.627+/-0.000

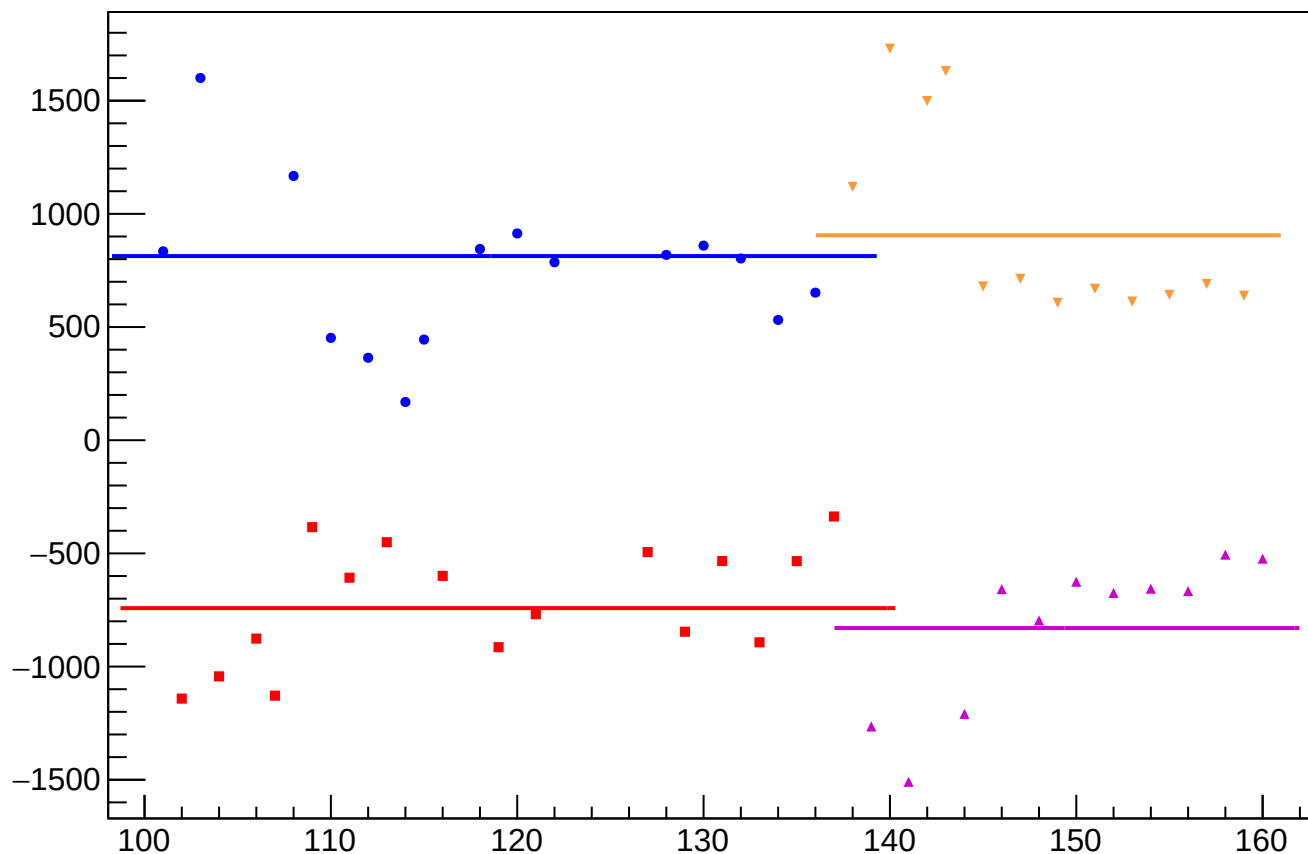
χ^2/NDF : 51873036517757666237545716605051585167360.0/15

Left In: -43364.892+/-0.000

χ^2/NDF : 12209695723681592241000188414954802511872.0/10

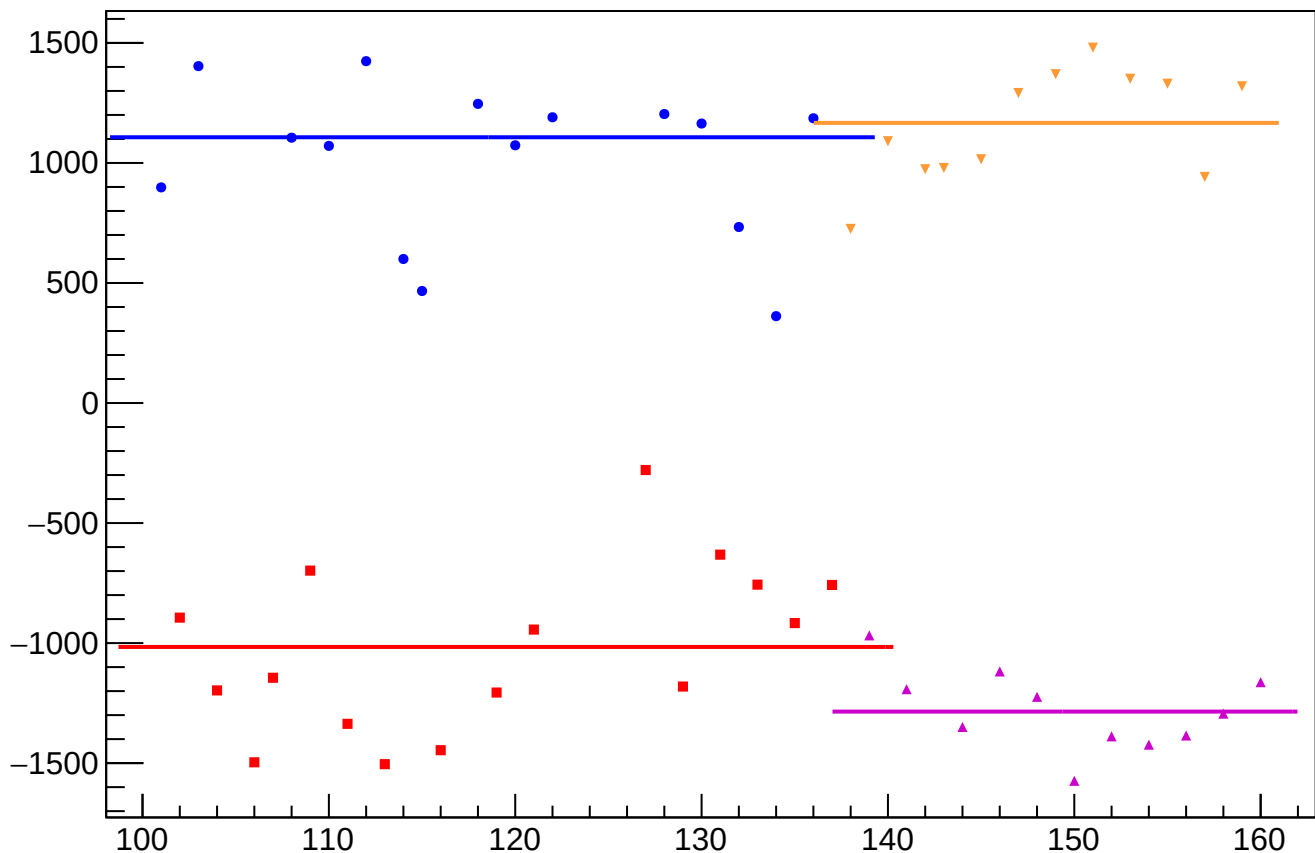
All: -51.092+/-0.000 χ^2/NDF : 570108278214

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



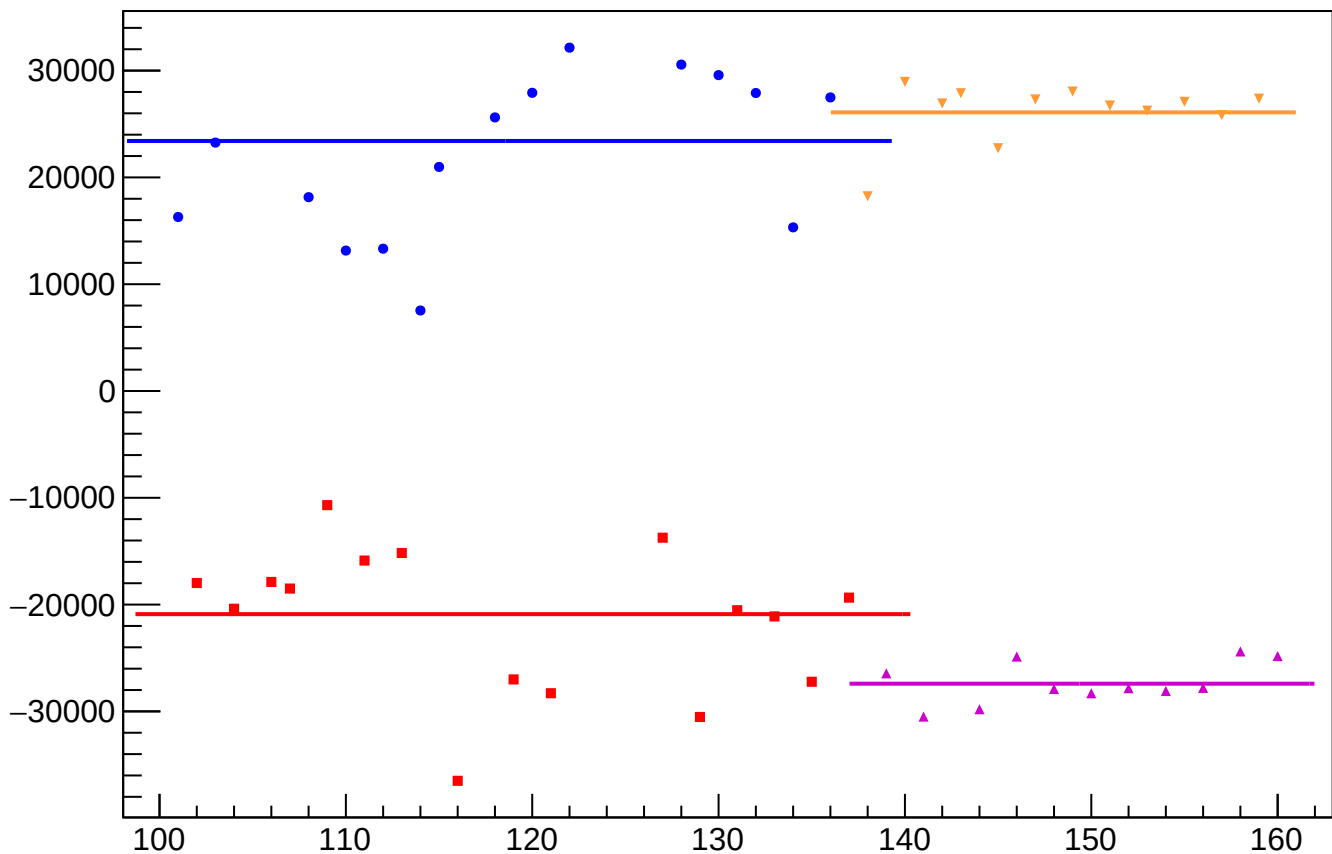
Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Left Out: 905.383+/-0.000 χ^2/NDF : 151600119297269061553878773288042233856.0/11
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Left In: -829.715+/-0.000 χ^2/NDF : 96077836071623048341749512260917657600.0/10
 All: 29.794+/-0.000 χ^2/NDF : 2538038020154

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



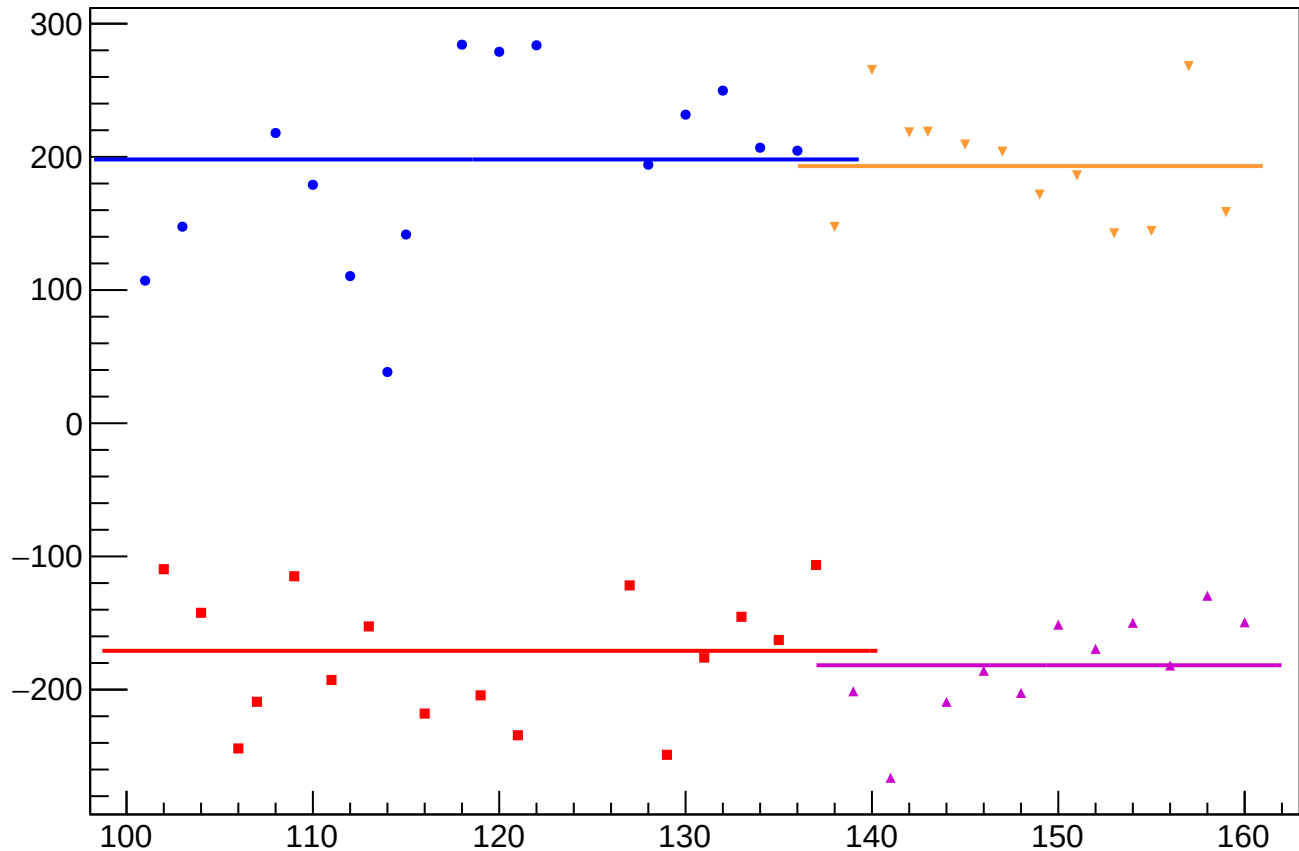
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam5_coil4_mean vs Slug, Sign Corrected



Right In: 23411.506+/-0.000 χ^2/NDF : 28427457471780319352885746571315708428288.0/14
 Left Out: 26089.435+/-0.000 χ^2/NDF : 7297474697325231234633060364075485102080.0/11
 Right Out: -20894.122+/-0.000 χ^2/NDF : 27408965804578649107002909409987218374656.0/15
 Left In: -27407.255+/-0.000 χ^2/NDF : 3322659858866093858426557456838465421312.0/10
 All: -70.029+/-0.000 χ^2/NDF : 202953713345

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



Right In: 198.056 +/- 0.000

χ^2/NDF : 2482928792293864415922382990034862080.0/14

Left Out: 193.084 +/- 0.000

χ^2/NDF : 1682749705439949881122511912389574656.0/11

Right Out: -170.851 +/- 0.000

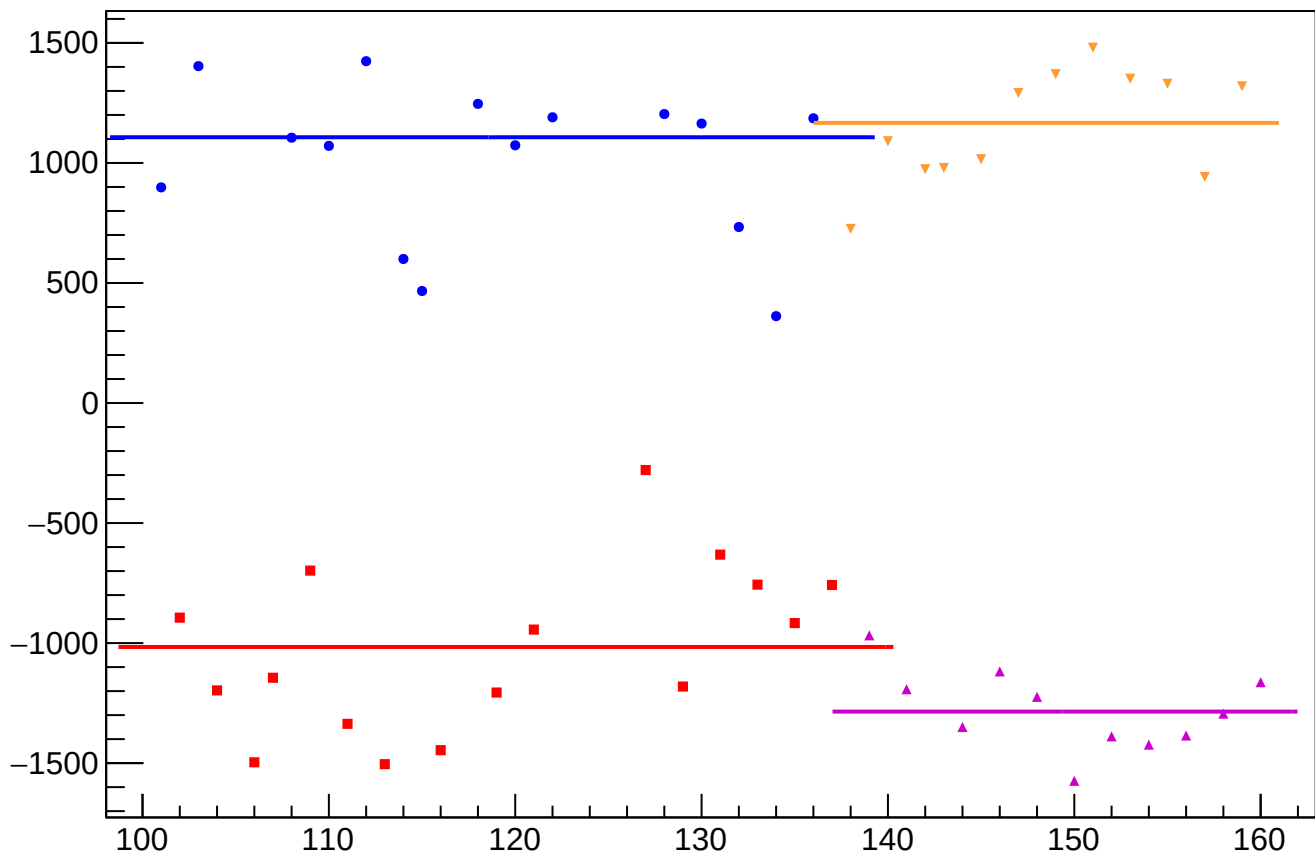
χ^2/NDF : 1418314816915016425155520631536615424.0/15

Left In: -181.711 +/- 0.000

χ^2/NDF : 1228549704796737698218369408017891328.0/10

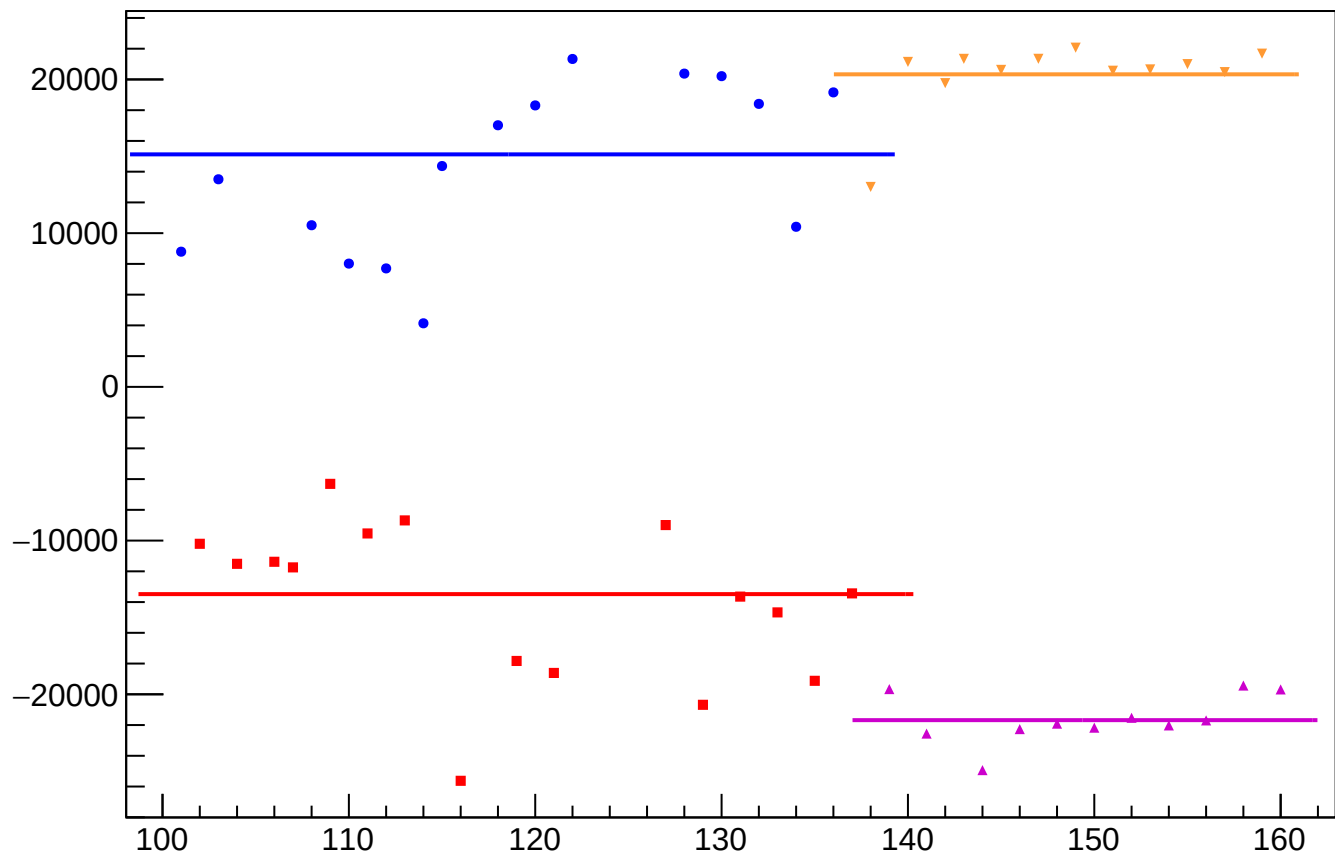
All: 7.342 +/- 0.000 χ^2/NDF : 11615483338933

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



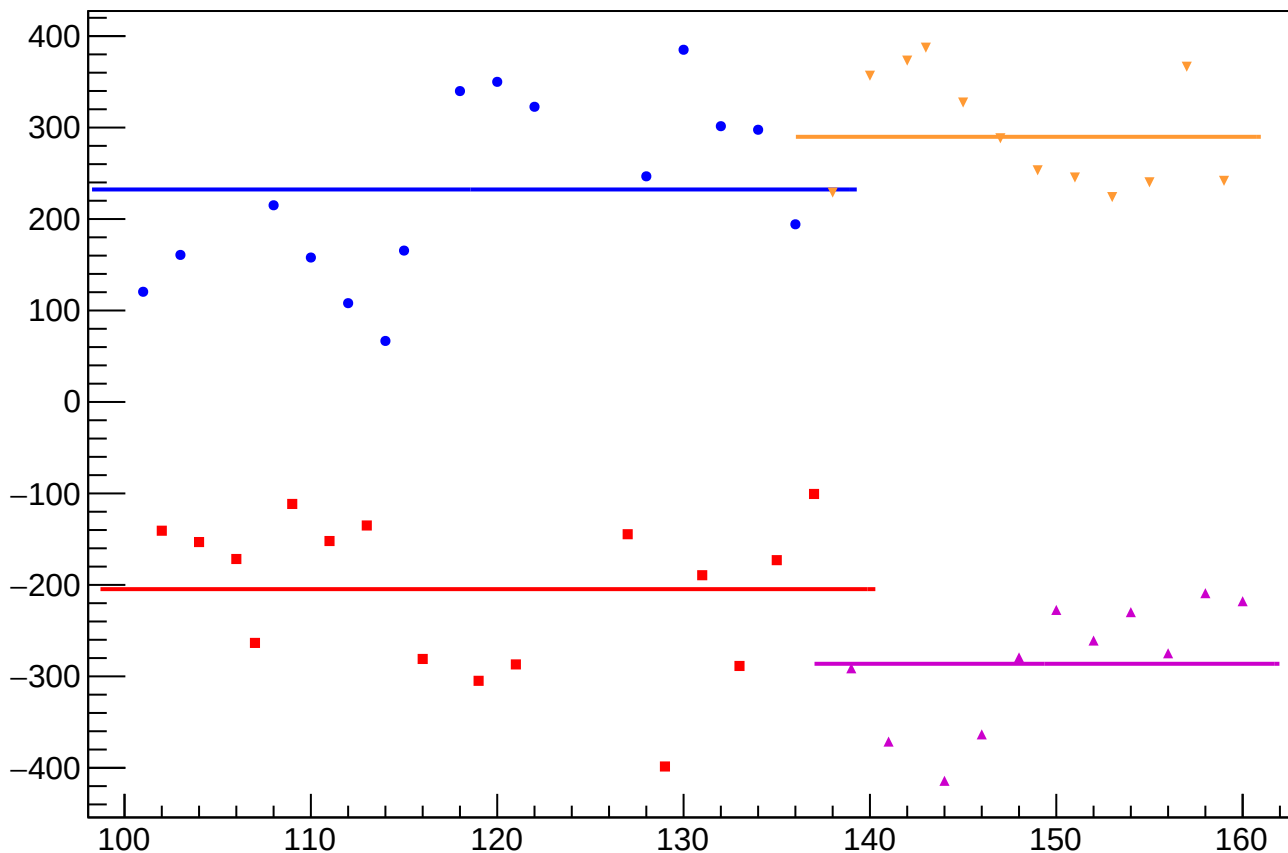
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam6_coil4_mean vs Slug, Sign Corrected



Right In: 15125.834 $\pm$ 0.000 χ^2 /NDF: 16615438767664069151744668380763246297088.0/14
 Left Out: 20333.061 $\pm$ 0.000 χ^2 /NDF: 4855949225776942763226853940369054236672.0/11
 Right Out: -13482.244 $\pm$ 0.000 χ^2 /NDF: 15910426475407825250252248749810022088704.0/15
 Left In: -21681.241 $\pm$ 0.000 χ^2 /NDF: 2108874573649202621711530332866310307840.0/10
 All: -198.174 $\pm$ 0.000 χ^2 /NDF: 11213217633

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



Right In: 232.312 $\pm$ 0.000 χ^2 /NDF: 5478184144885833956204804001180418048.0/14

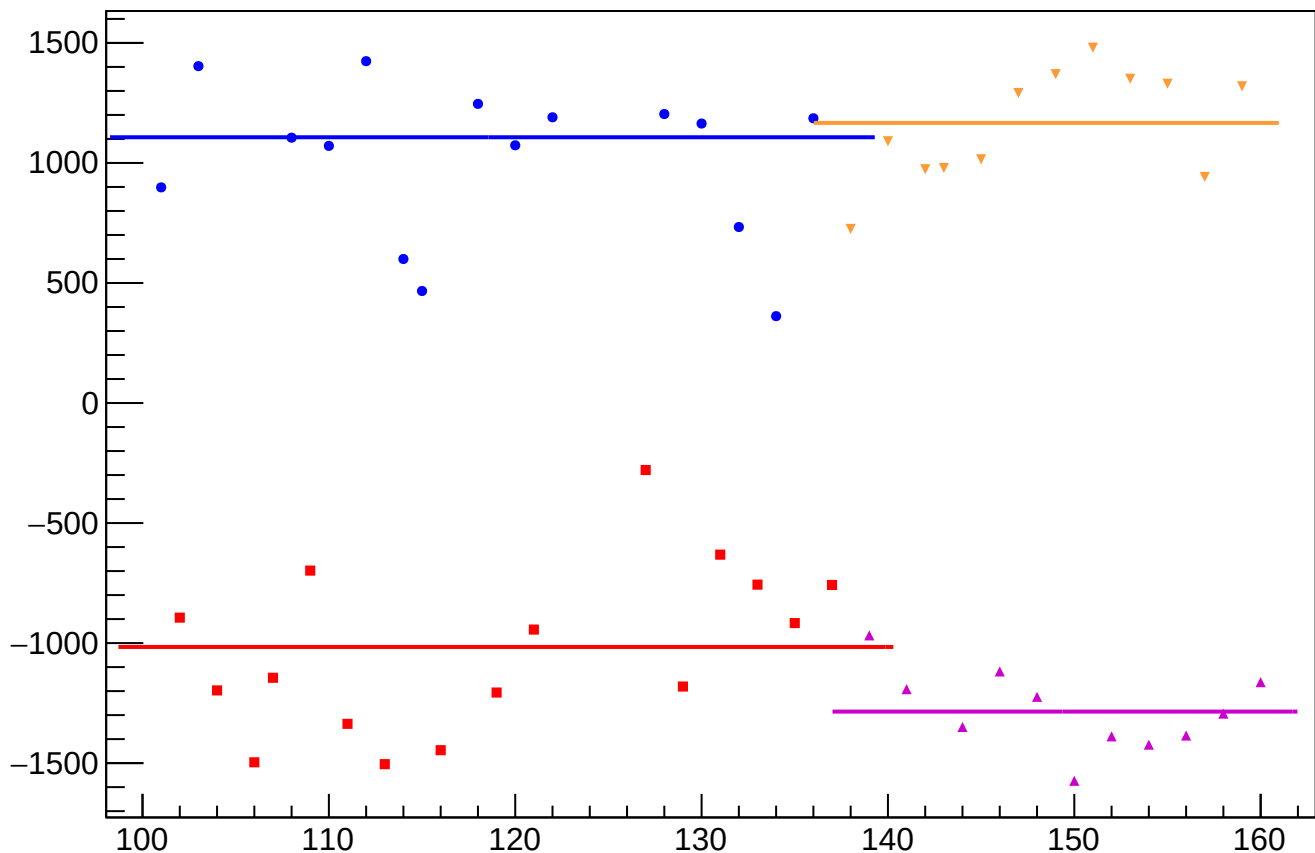
Left Out: 289.897 $\pm$ 0.000 χ^2 /NDF: 3202390993231935504147250998086205440.0/11

Right Out: -204.637 $\pm$ 0.000 χ^2 /NDF: 4555067046835230017930882867882098688.0/15

Left In: -286.246 $\pm$ 0.000 χ^2 /NDF: 4067110443230234744644750983181631488.0/10

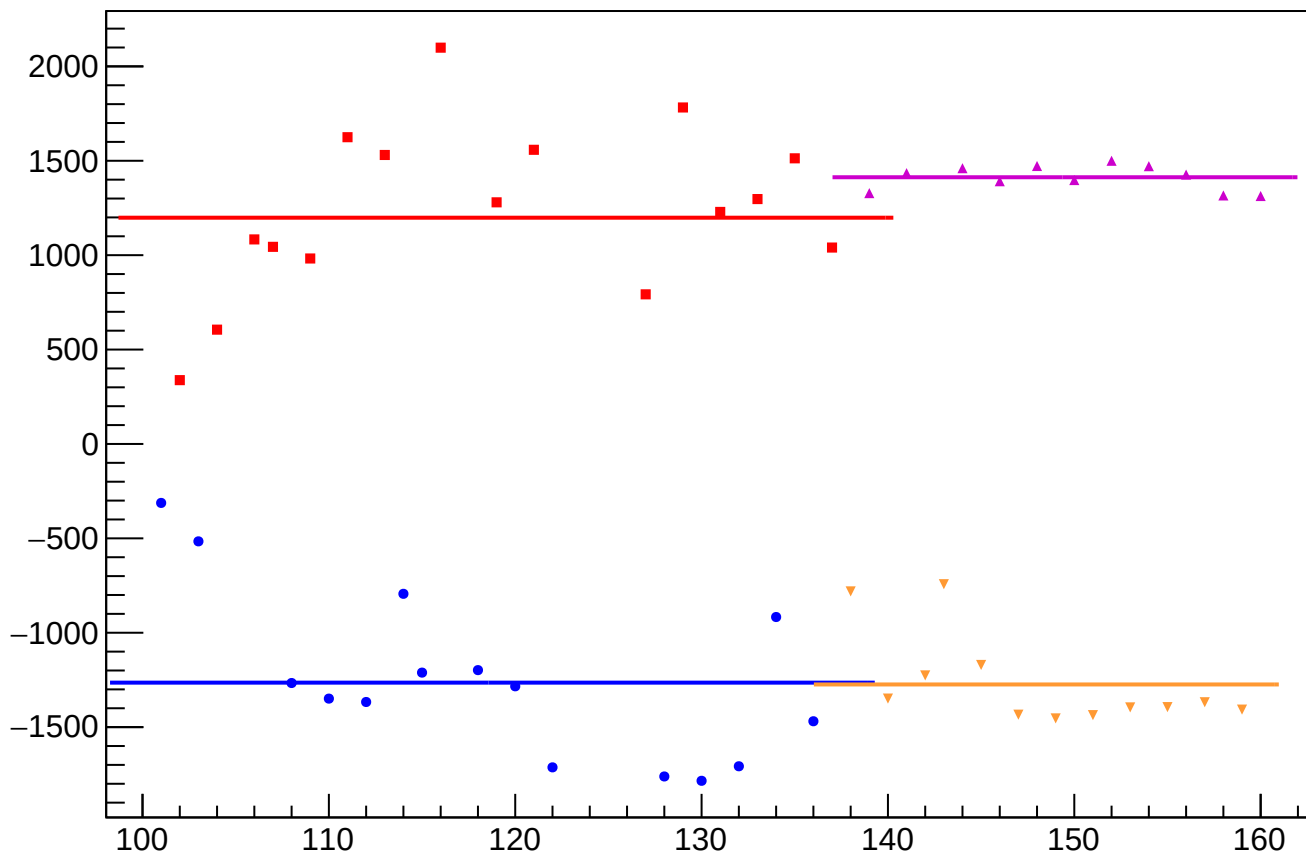
All: 4.677 $\pm$ 0.000 χ^2 /NDF: 23271380693899

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303+/-0.000

Left Out: -1273.912+/-0.000

Right Out: 1198.483+/-0.000

Left In: 1412.771+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 50517219487332482659121972372719009792.0/11

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 3642959557366432228461510163957809152.0/10

Left: 76.739+/-0.000 χ^2/NDF : 33708552711057657

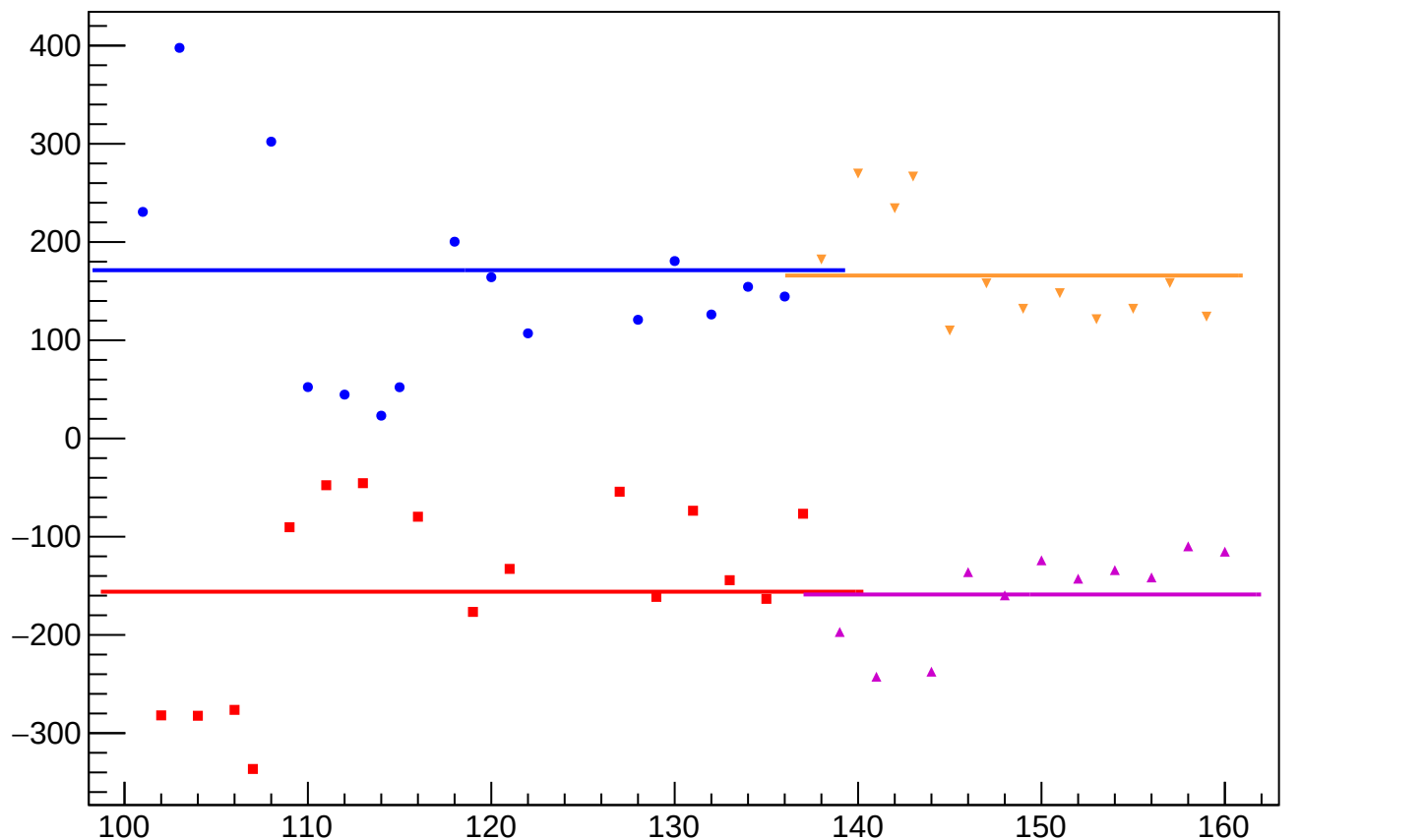
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 308.244+/-0.000 χ^2/NDF : 28760344161485338

Out: -230.846+/-0.000 χ^2/NDF : 253877034127960

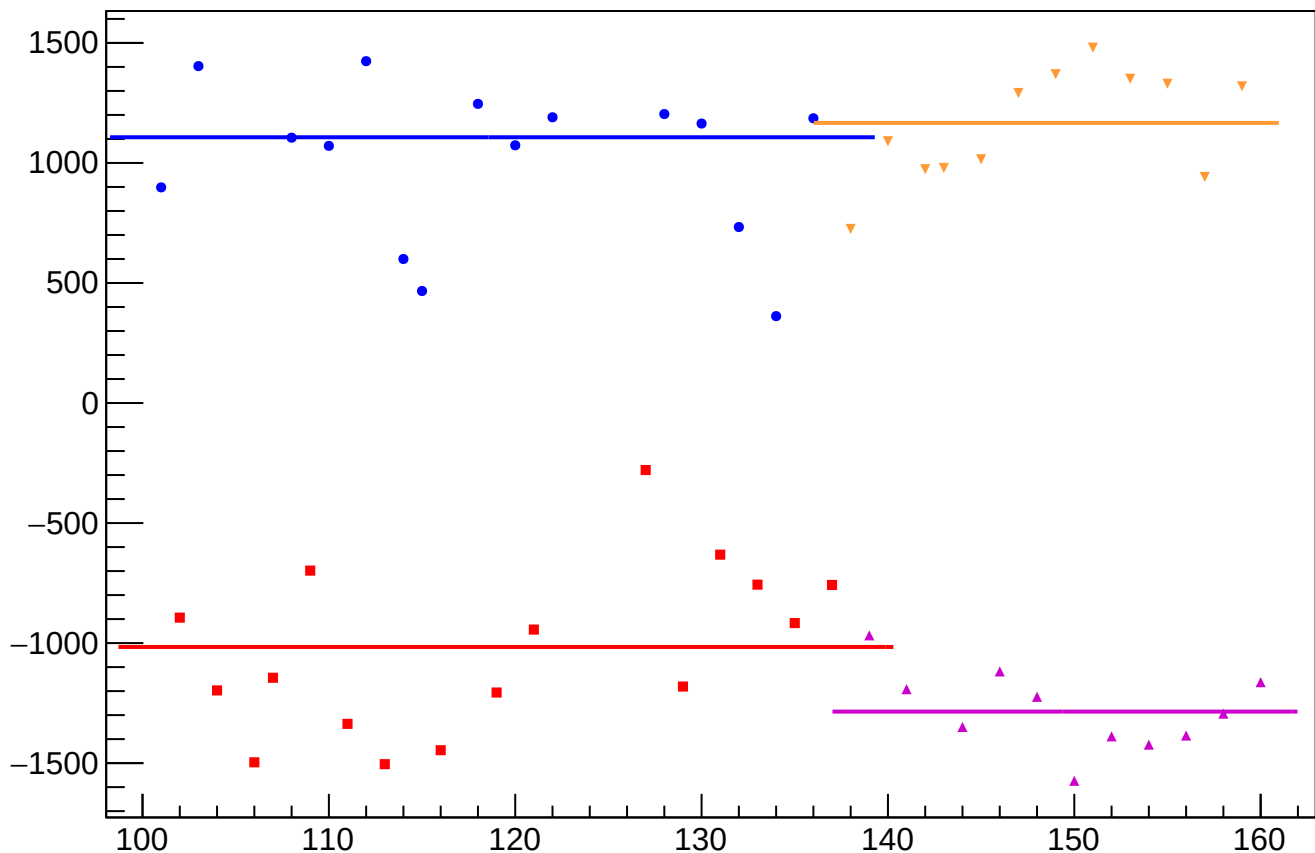
All: 38.016+/-0.000 χ^2/NDF : 5643955595721

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



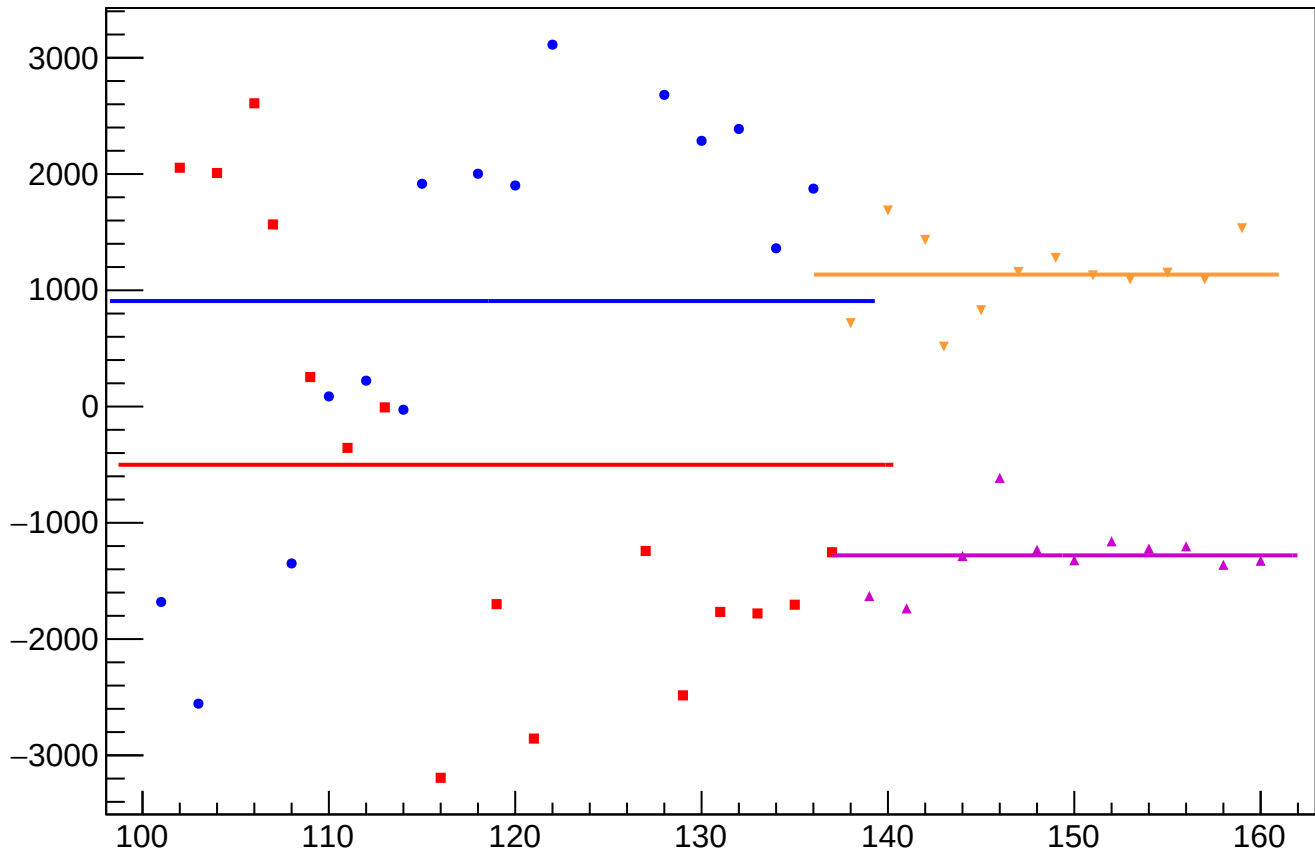
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.917+/-0.000 χ^2/NDF : 2574923375517186479088669940447707136.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 All: 3.813+/-0.000 χ^2/NDF : 99935728912409

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2 /NDF: 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2 /NDF: 443493791328

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1135.509+/-0.000

χ^2/NDF : 90454761773489591793478678074609369088.0/11

Right Out: -500.689+/-0.000

χ^2/NDF : 2074232918749953174436803426379074895872.0/15

Left In: -1279.995+/-0.000

χ^2/NDF : 67592304703884032028559239448782438400.0/10

Left: -78.814+/-0.000 χ^2/NDF : 2838993659503494

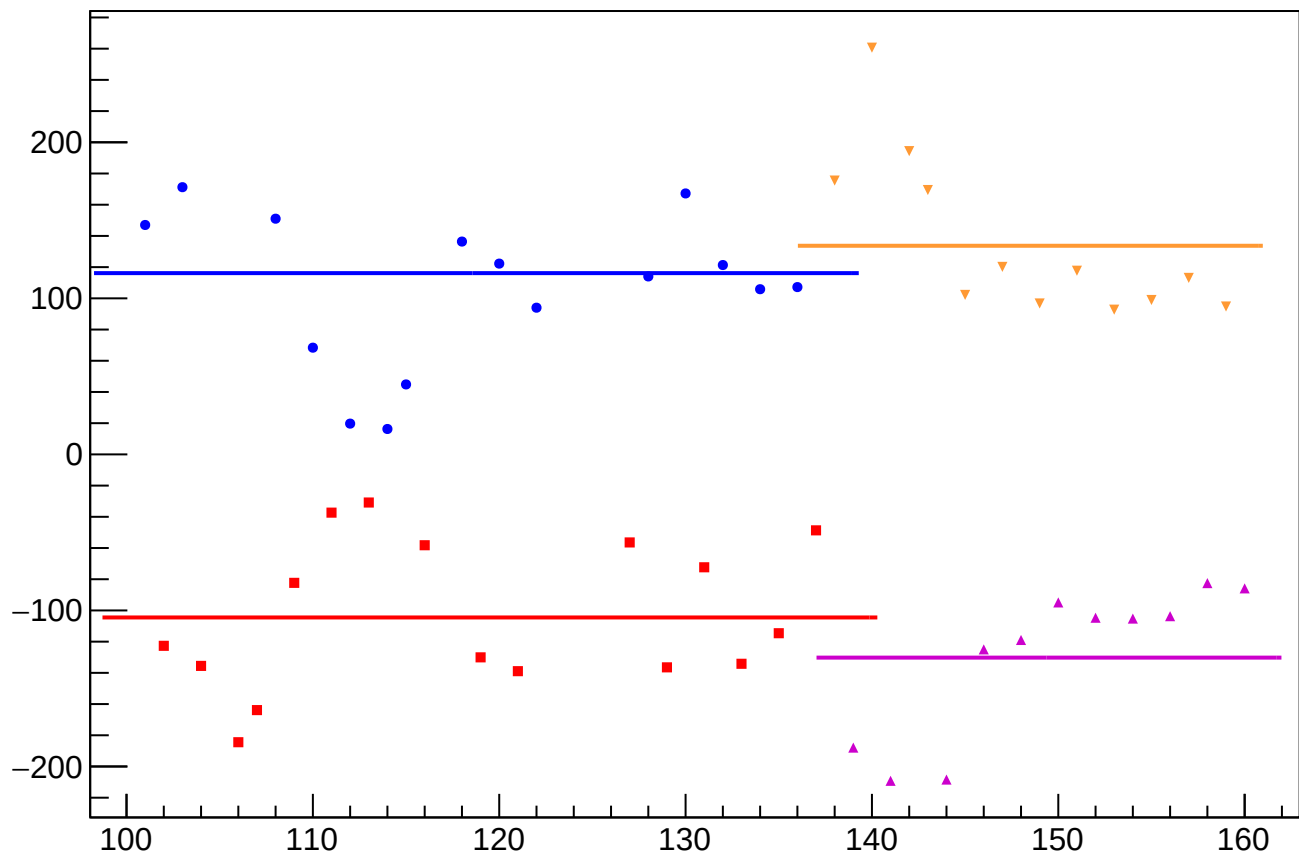
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 445.222+/-0.000 χ^2/NDF : 3197001629965650

All: 34.911+/-0.000 χ^2/NDF : 7729666433906

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159 +/- 0.000

χ^2/NDF : 1198526427485199785396504127288115200.0/14

Left Out: 133.695 +/- 0.000

χ^2/NDF : 2332238004384262852879386446827356160.0/11

Right Out: -104.501 +/- 0.000

χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -130.237 +/- 0.000

χ^2/NDF : 1968814259217478663576054483231178752.0/10

Left: 1.011 +/- 0.000 χ^2/NDF : 363089448385334354

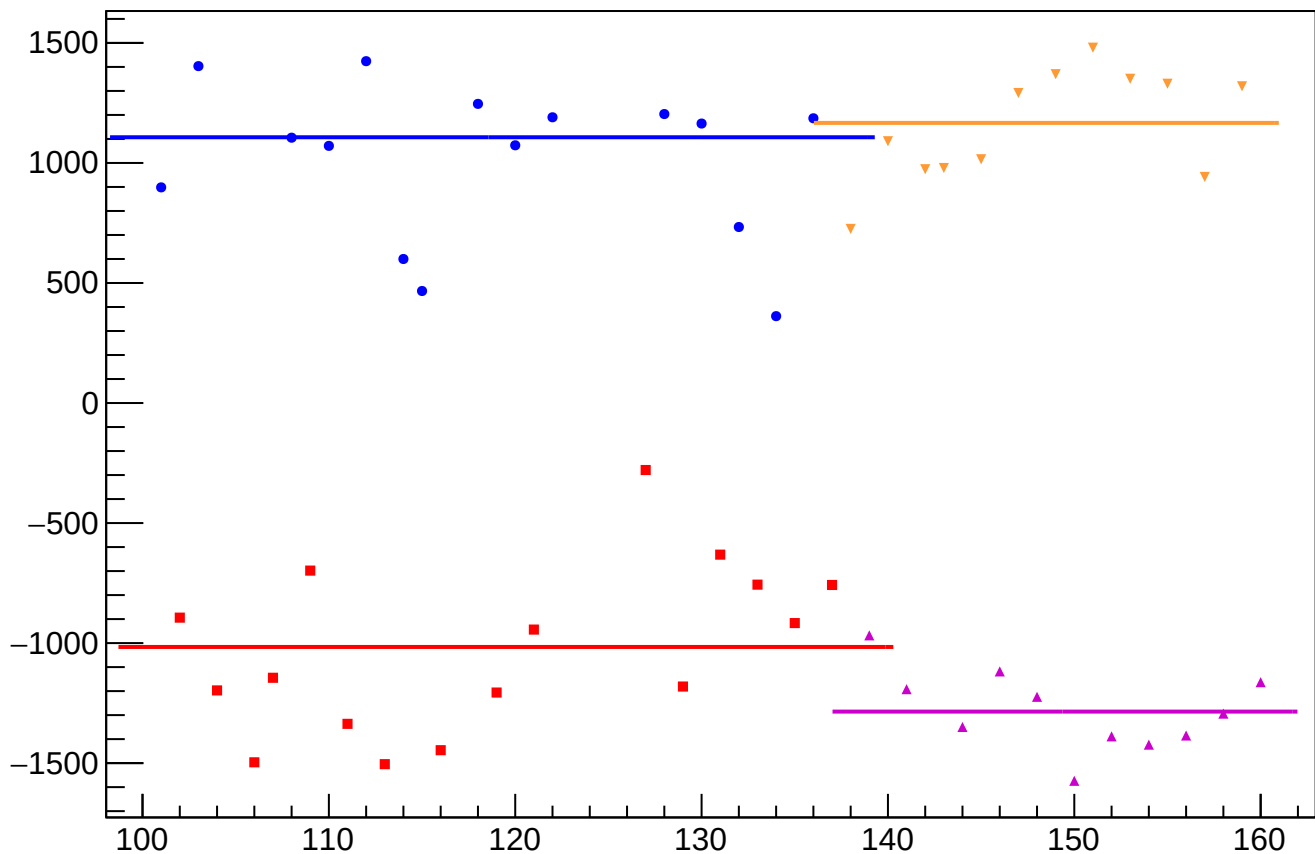
Right: 4.320 +/- 0.000 χ^2/NDF : 18500756430901072

In: -28.577 +/- 0.000 χ^2/NDF : 26312198647459661

Out: 33.204 +/- 0.000 χ^2/NDF : 25496298495933120

All: 2.392 +/- 0.000 χ^2/NDF : 54818097492999

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 +/- 0.000

χ^2/NDF : 40633831787810179240542210398269472768.0/14

Left Out: 1166.869 +/- 0.000

χ^2/NDF : 44651845589529754769451964140544327680.0/11

Right Out: -1016.106 +/- 0.000

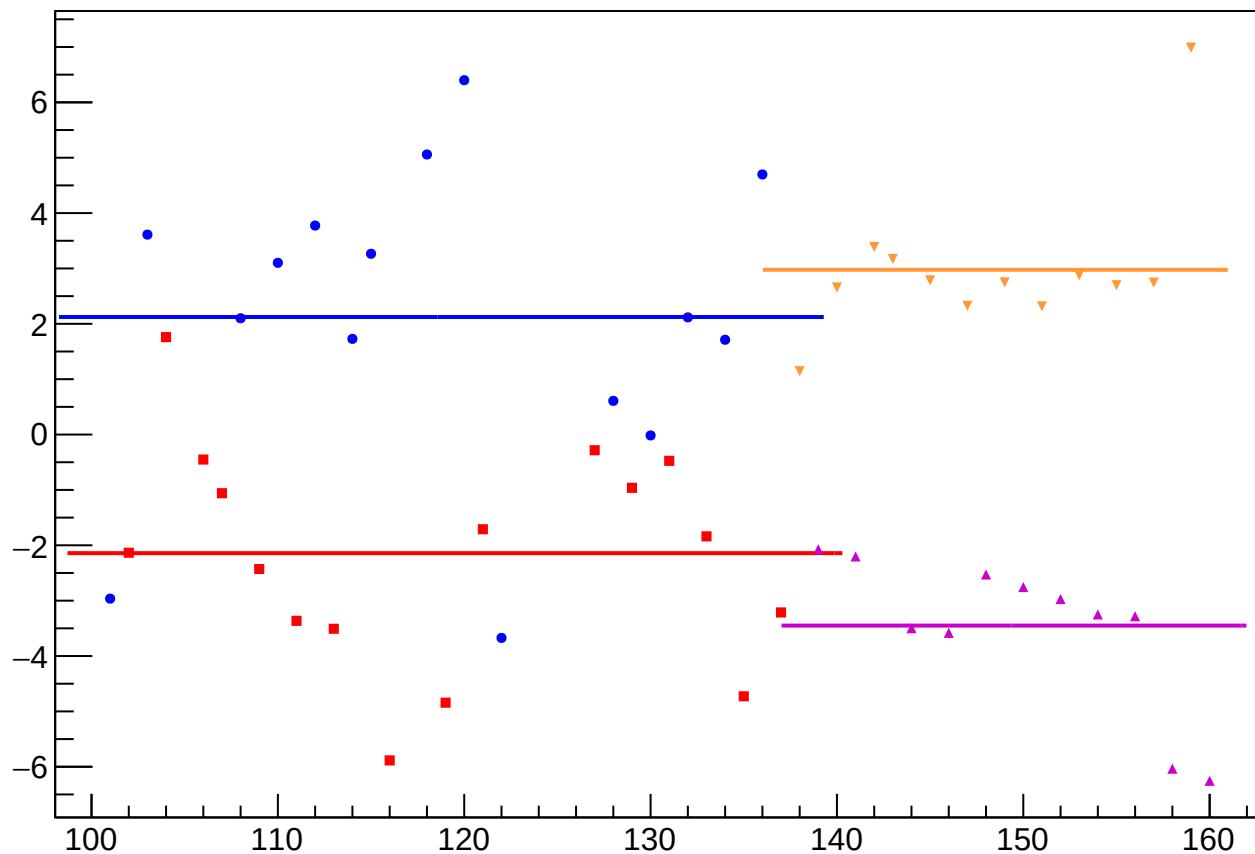
χ^2/NDF : 72567664333509192712184310037150171136.0/15

Left In: -1285.364 +/- 0.000

χ^2/NDF : 24002572803732345959736048095514853376.0/10

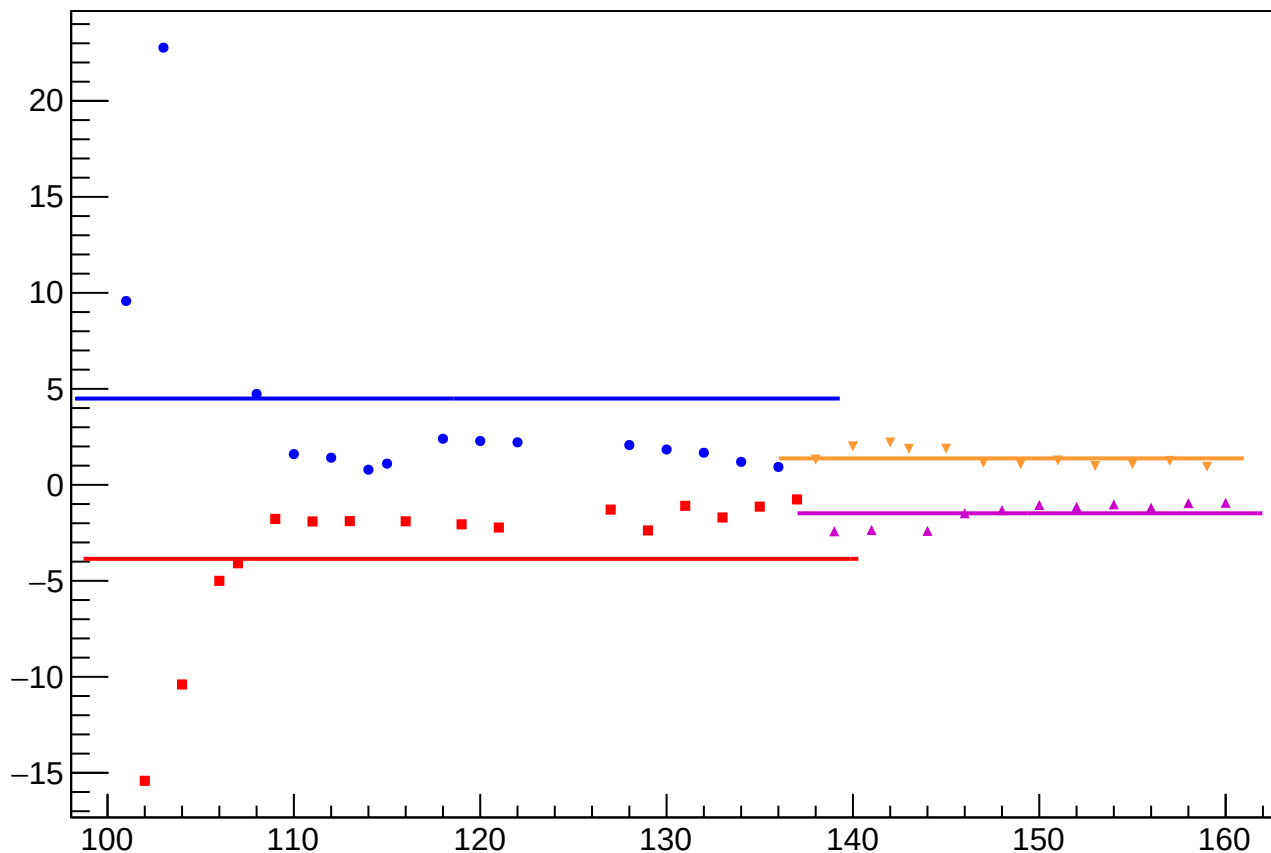
All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_4aX_coil6_mean vs Slug, Sign Corrected



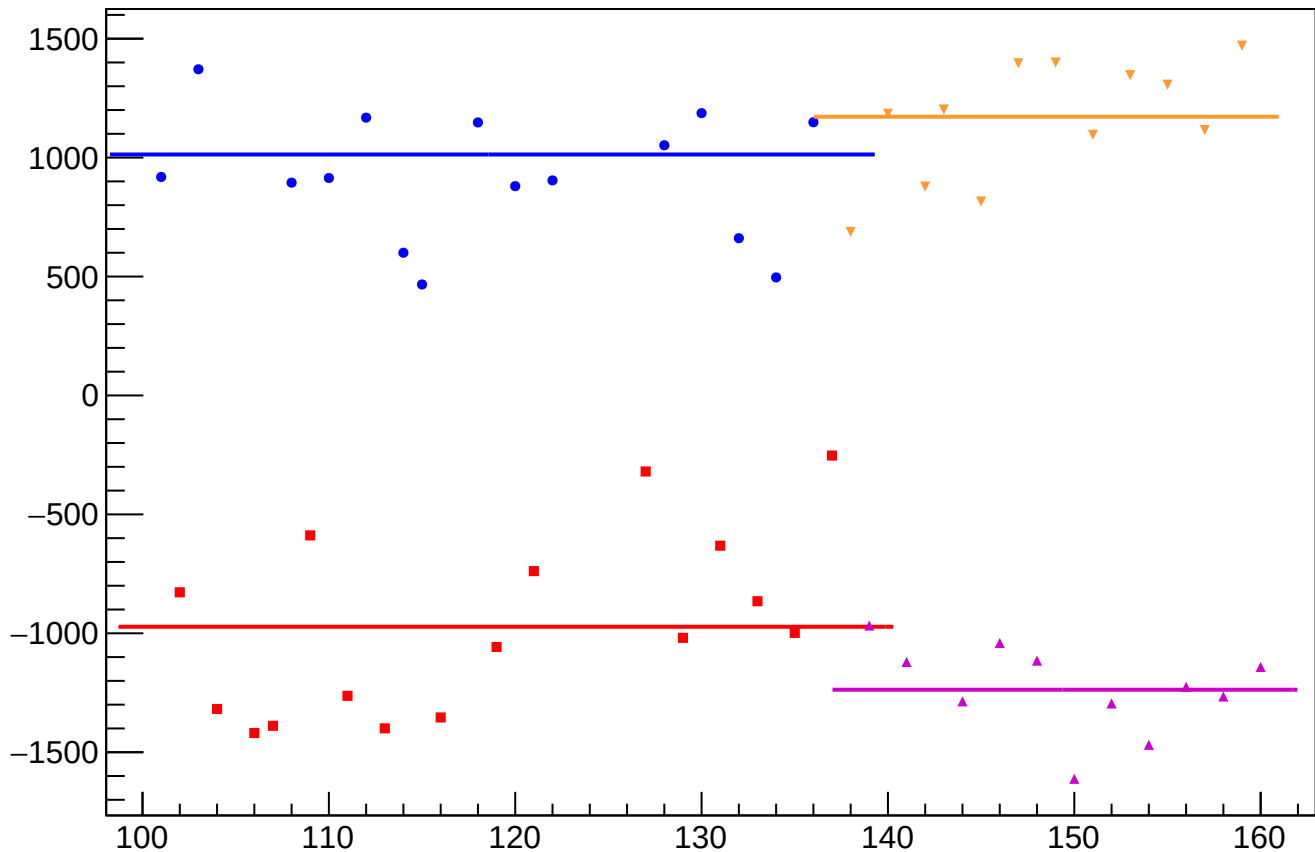
Right In: 2.123 $\pm$ 0.000 χ^2 /NDF: 5263705922821075971022013849403392.0/14
 Left Out: 2.975 $\pm$ 0.000 χ^2 /NDF: 1653073452461549310648226194391040.0/11
 Right Out: -2.142 $\pm$ 0.000 χ^2 /NDF: 2472949940993672466161692257026048.0/15
 Left In: -3.450 $\pm$ 0.000 χ^2 /NDF: 1551935058842125730993767819771904.0/10
 All: -0.165 $\pm$ 0.000 χ^2 /NDF: 3593171973560

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.495 ± 0.000 χ^2/NDF : 25270242219816061532329198634401792.0/14
 Left Out: 1.379 ± 0.000 χ^2/NDF : 150384329501224226849656085151744.0/11
 Right Out: -3.852 ± 0.000 χ^2/NDF : 12314971476556806550518847638601728.0/15
 Left In: -1.482 ± 0.000 χ^2/NDF : 310337710475779495774509405831168.0/10
 All: 0.076 ± 0.000 χ^2/NDF : 64807335162416

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

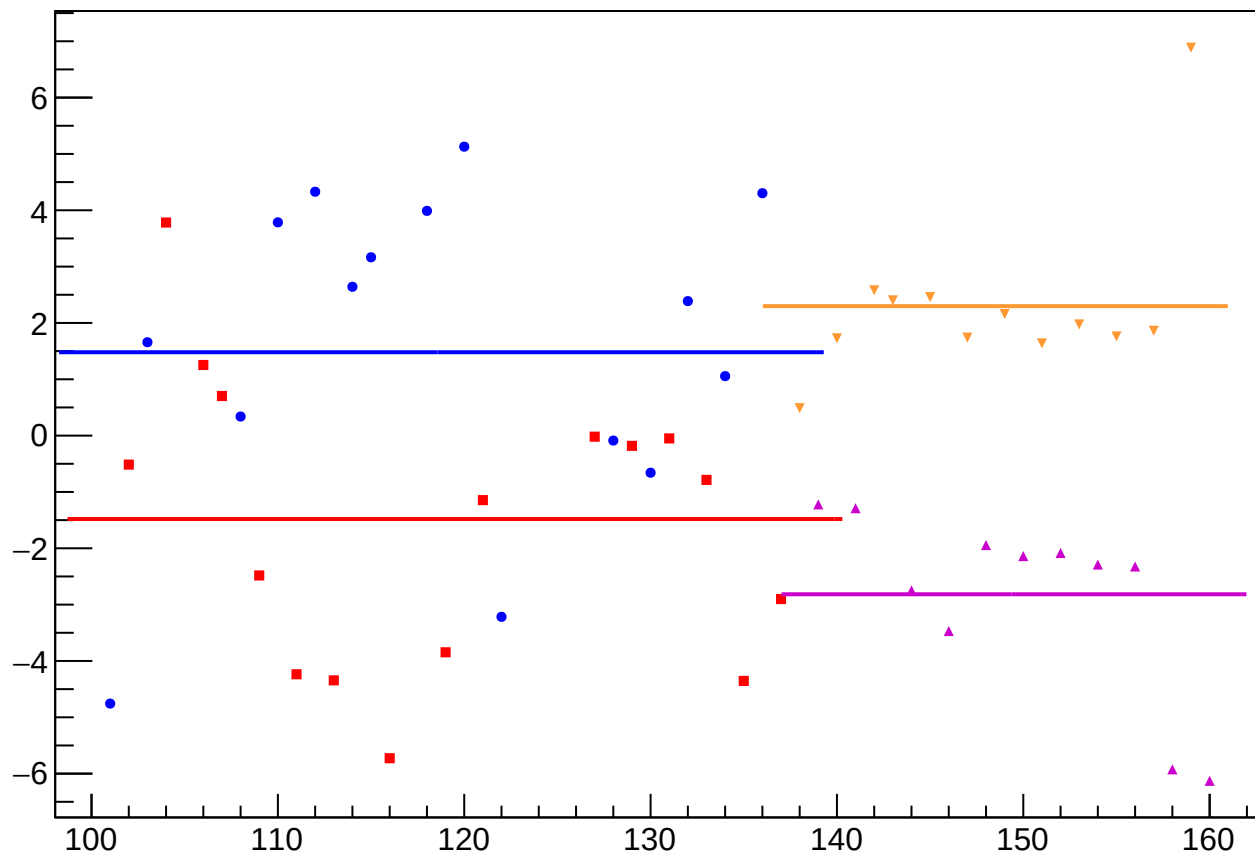
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

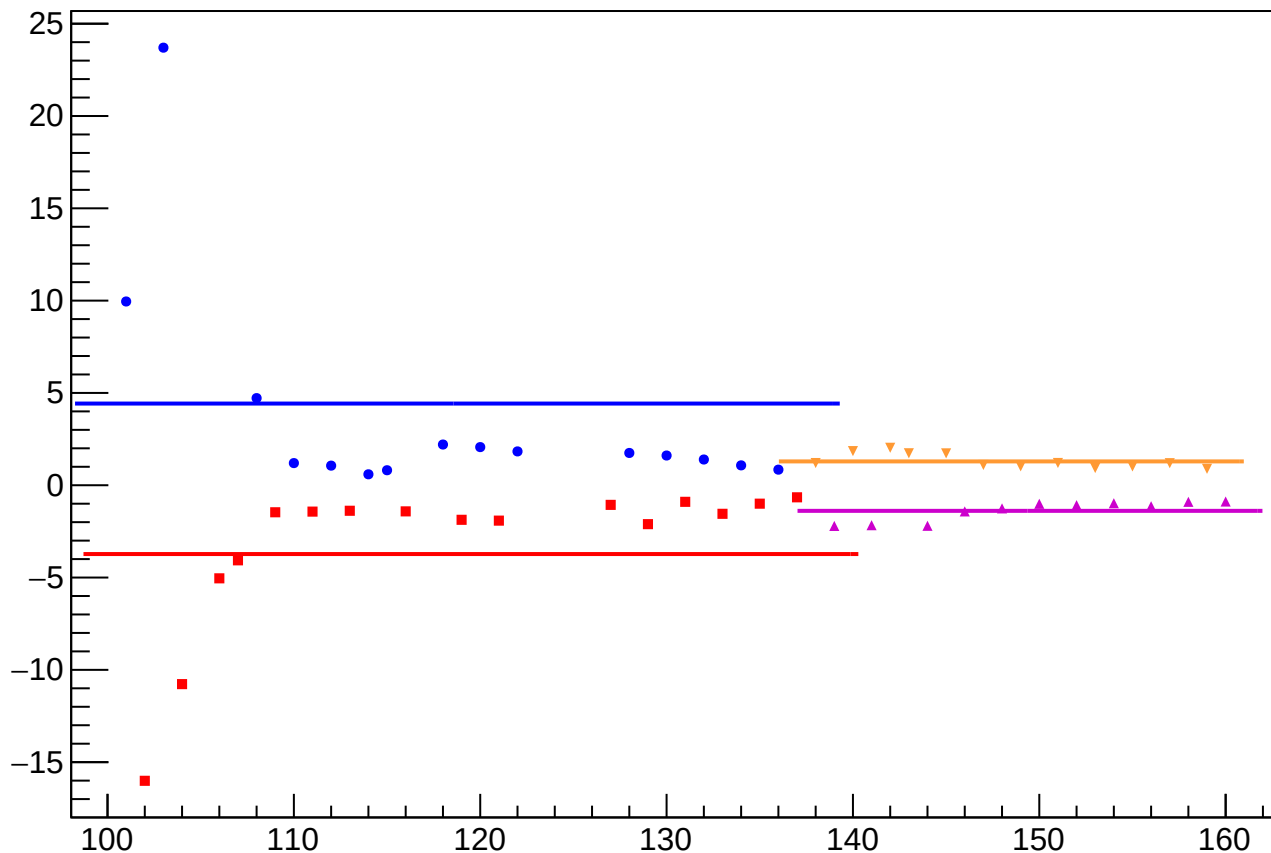
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eX_coil6_mean vs Slug, Sign Corrected



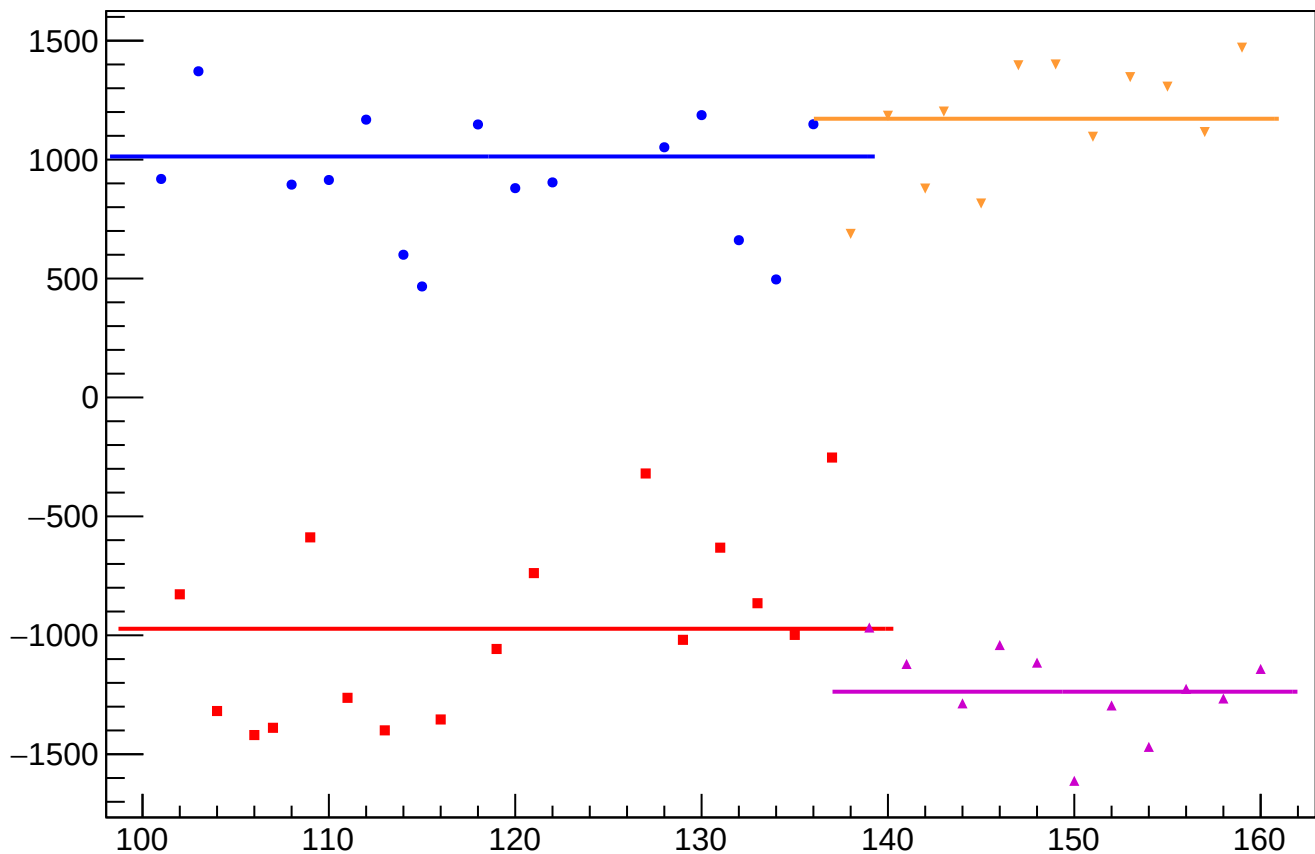
Right In: 1.480 $\pm$ 0.000 χ^2/NDF : 5799670695902784459055767987683328.0/14
 Left Out: 2.298 $\pm$ 0.000 χ^2/NDF : 2079870991739780462593334803693568.0/11
 Right Out: -1.480 $\pm$ 0.000 χ^2/NDF : 4092645800613765572662987820367872.0/15
 Left In: -2.816 $\pm$ 0.000 χ^2/NDF : 2230790234579581781884760219451392.0/10
 All: -0.168 $\pm$ 0.000 χ^2/NDF : 2915247501265

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.424+/-0.000 χ^2/NDF : 28257459272876210608839830473277440.0/14
 Left Out: 1.291+/-0.000 χ^2/NDF : 119201725618452190917490324275200.0/11
 Right Out: -3.727+/-0.000 χ^2/NDF : 13991816814749842519794284853460992.0/15
 Left In: -1.387+/-0.000 χ^2/NDF : 245381205913734368947829561360384.0/10
 All: 0.090+/-0.000 χ^2/NDF : 67859501931783

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

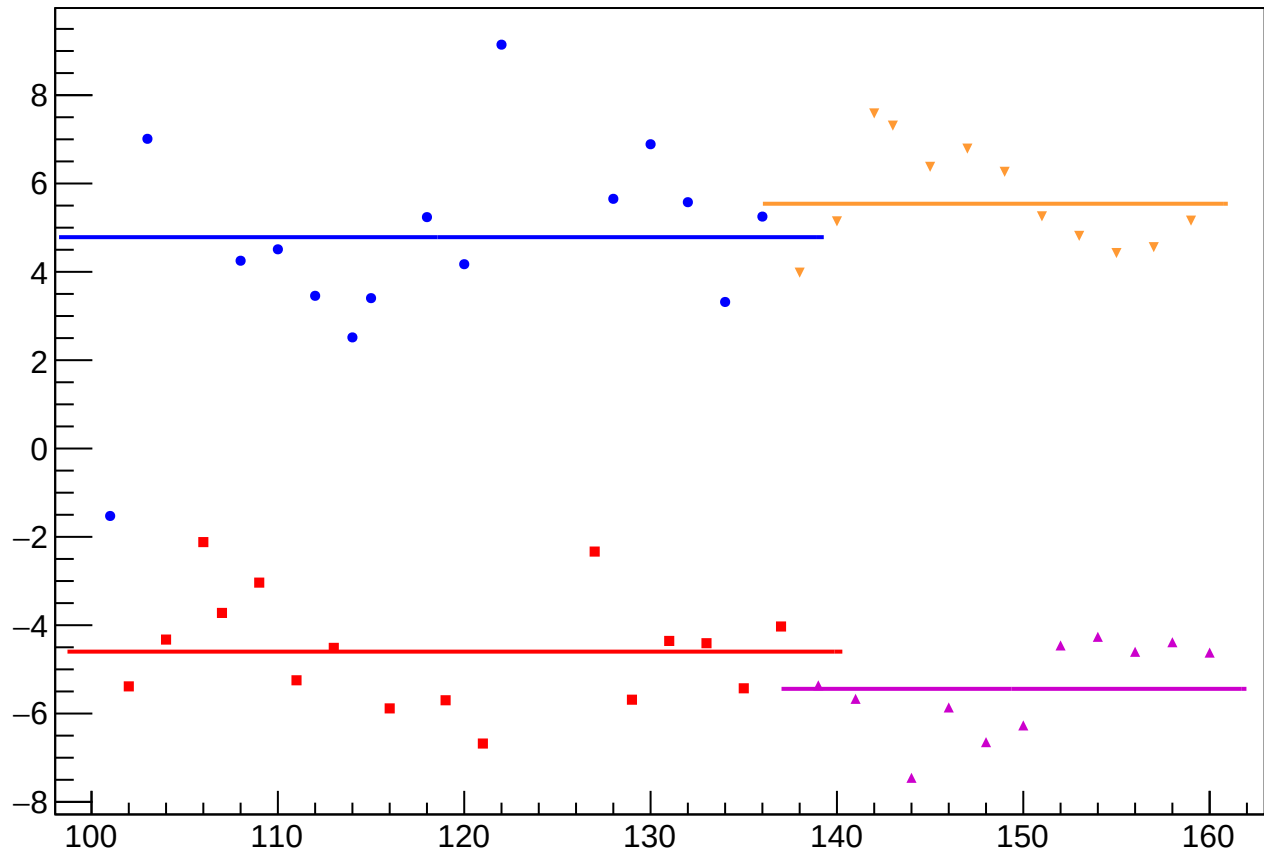
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

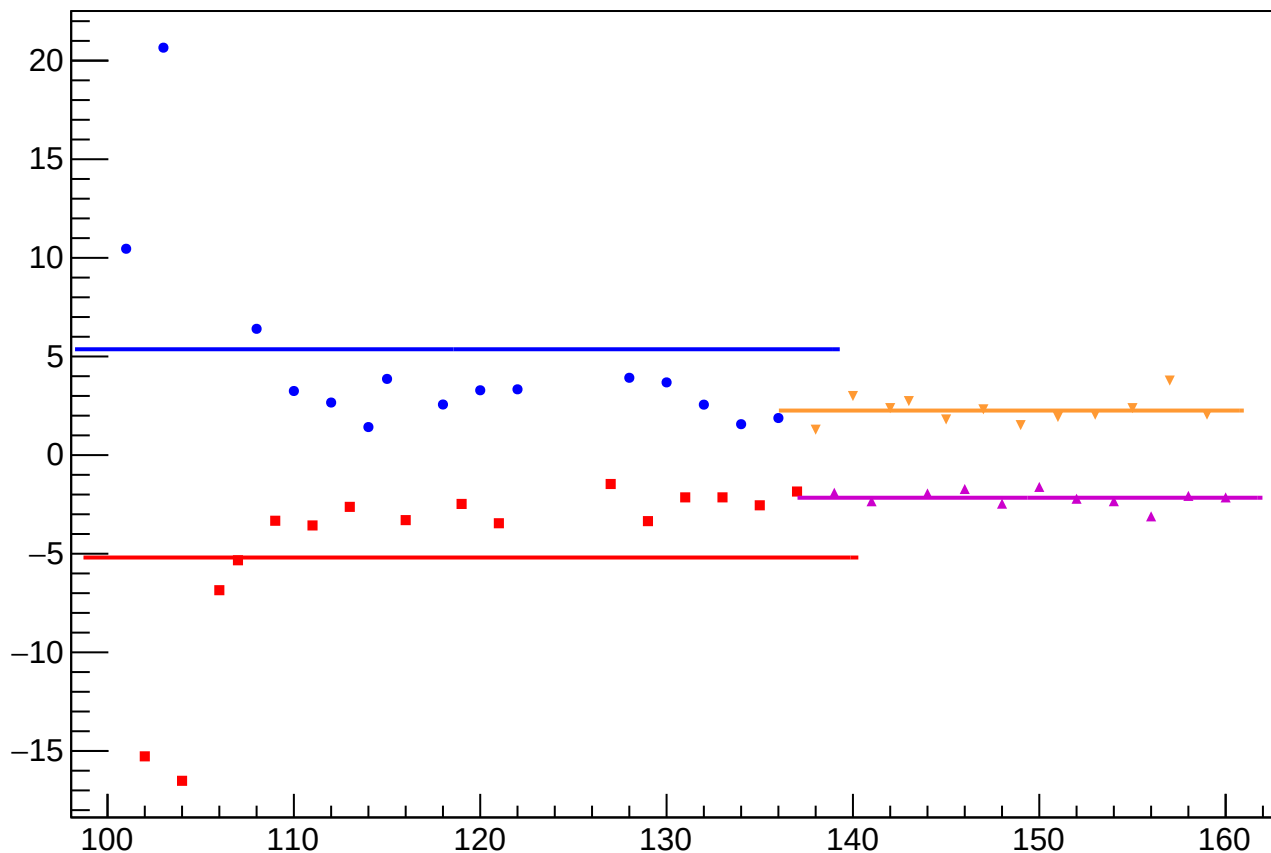
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_11X12X_coil6_mean vs Slug, Sign Corrected



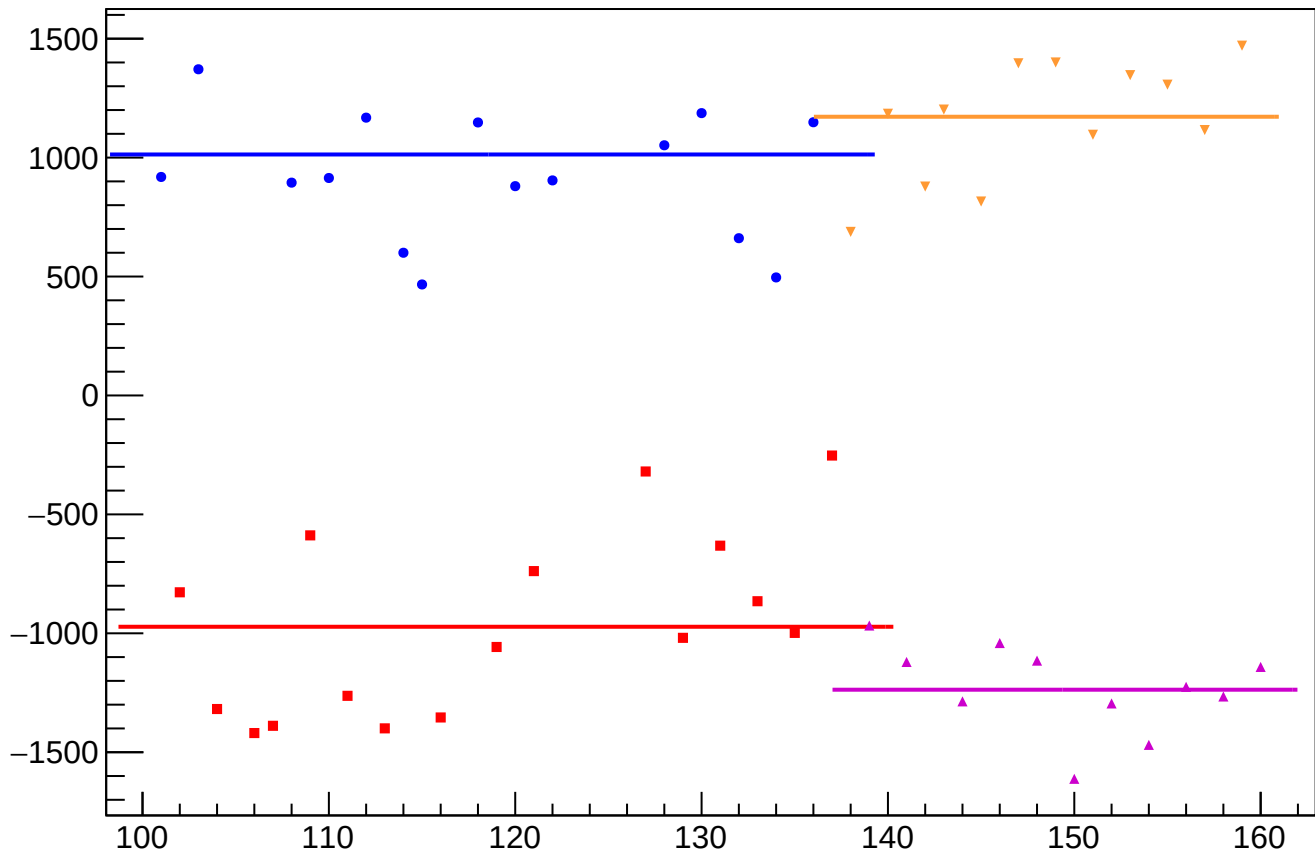
Right In: 4.785 ± 0.000 $\chi^2/\text{NDF}: 3996556073154779711808159470321664.0/14$
 Left Out: 5.542 ± 0.000 $\chi^2/\text{NDF}: 1063589592141187742244511087067136.0/11$
 Right Out: -4.598 ± 0.000 $\chi^2/\text{NDF}: 989607156792948633247632779640832.0/15$
 Left In: -5.441 ± 0.000 $\chi^2/\text{NDF}: 969147874620390855399339032838144.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 91405570612349$

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



Right In: 5.366 $\pm$ 0.000 χ^2 /NDF: 18780724722063497096153009301225472.0/14
 Left Out: 2.259 $\pm$ 0.000 χ^2 /NDF: 395399614951959116127821516242944.0/11
 Right Out: -5.192 $\pm$ 0.000 χ^2 /NDF: 15749573754945345754432436952891392.0/15
 Left In: -2.162 $\pm$ 0.000 χ^2 /NDF: 138367938839103248546751049629696.0/10
 All: 0.027 $\pm$ 0.000 χ^2 /NDF: 80711946071260

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

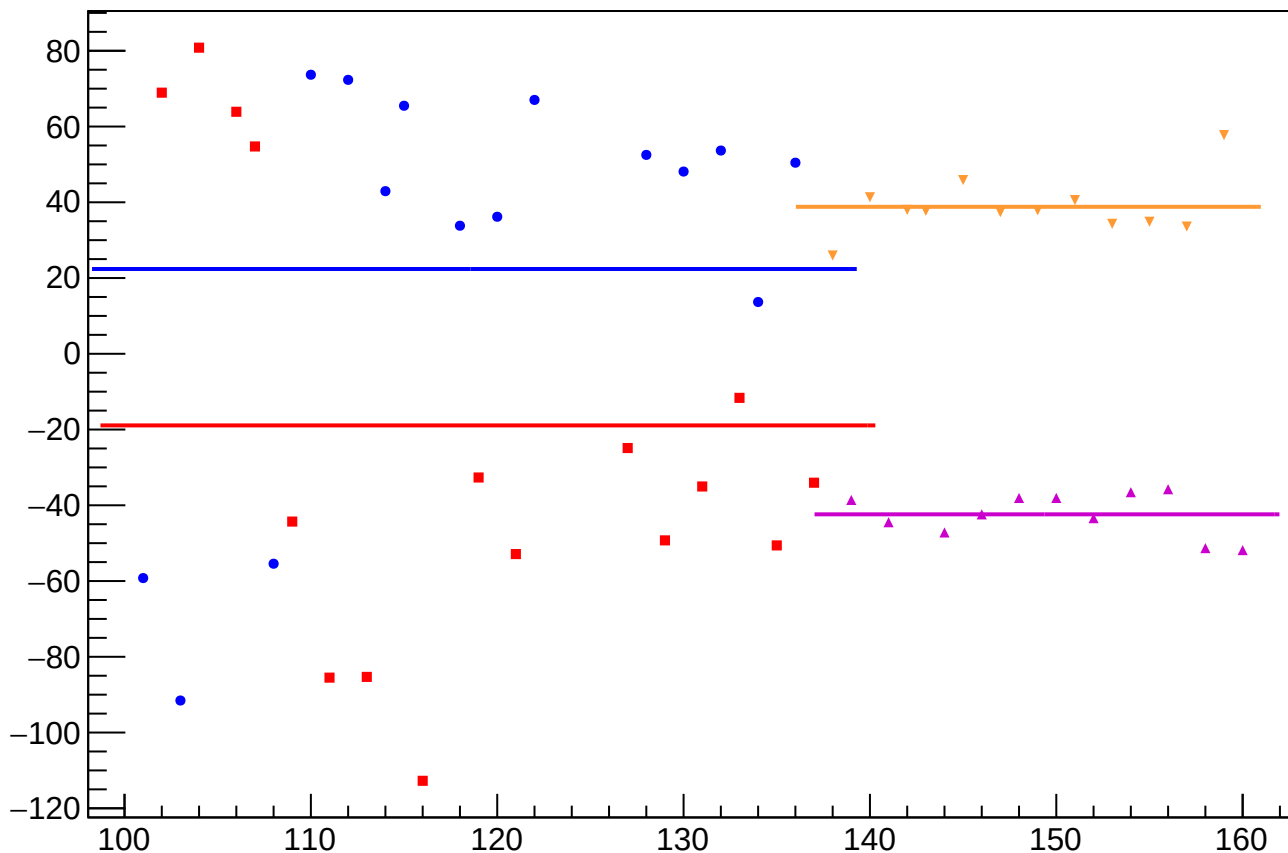
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4aY_coil6_mean vs Slug, Sign Corrected



Right In: 22.385 $\pm$ 0.000

χ^2 /NDF: 1922260860023592637794094183323009024.0/14

Left Out: 38.806 $\pm$ 0.000

χ^2 /NDF: 51649905292188588204172531766132736.0/11

Right Out: -18.907 $\pm$ 0.000

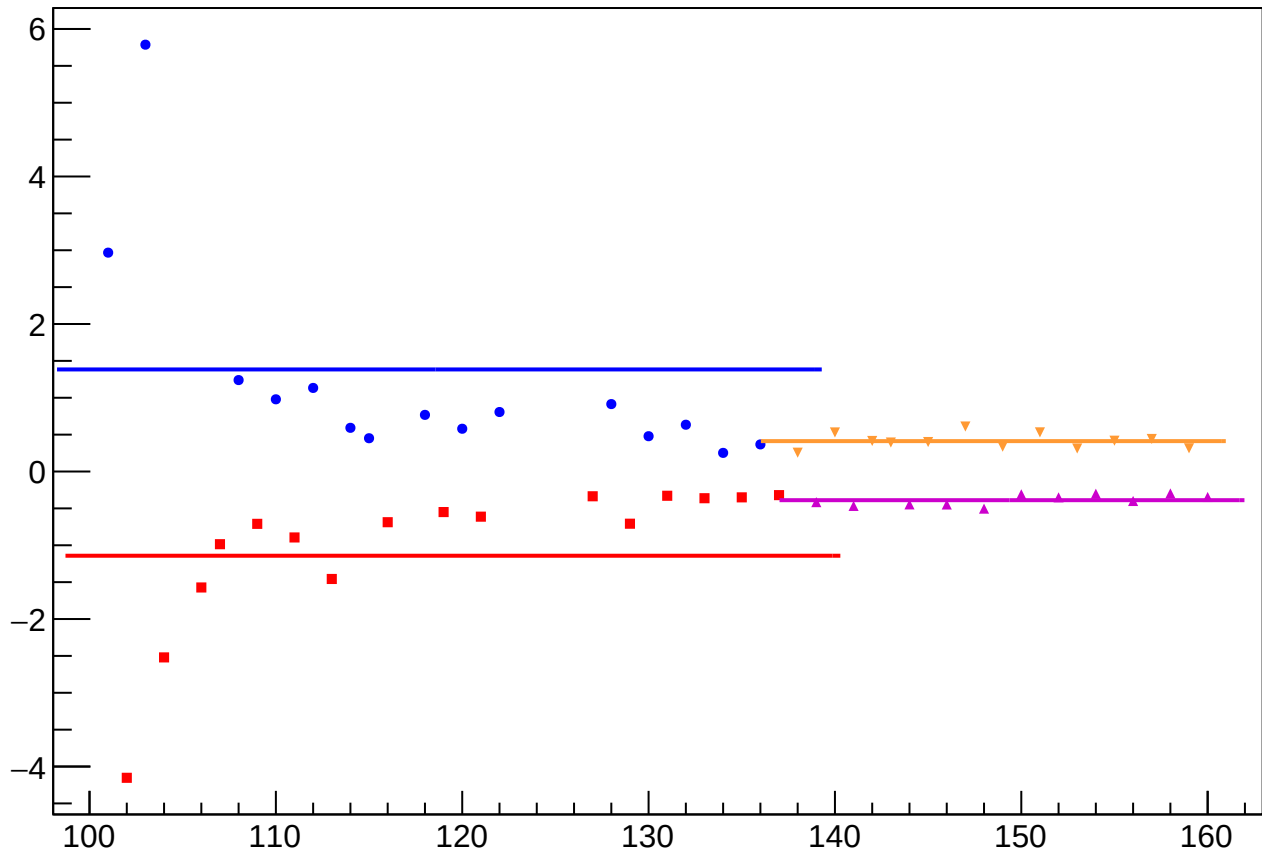
χ^2 /NDF: 2182221808408156293593993992757837824.0/15

Left In: -42.386 $\pm$ 0.000

χ^2 /NDF: 26555660128562986553016927486214144.0/10

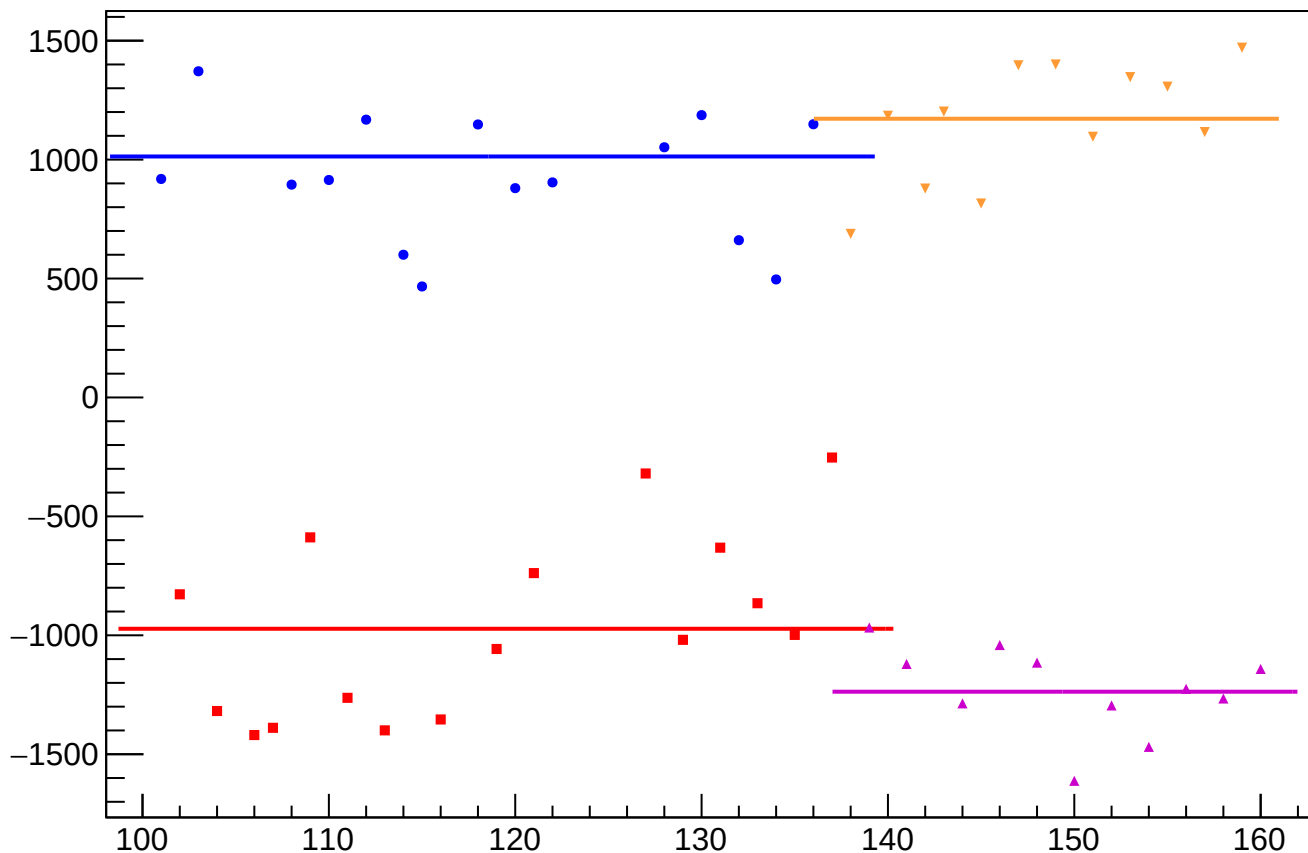
All: -0.564 $\pm$ 0.000 χ^2 /NDF: 7781760585963

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



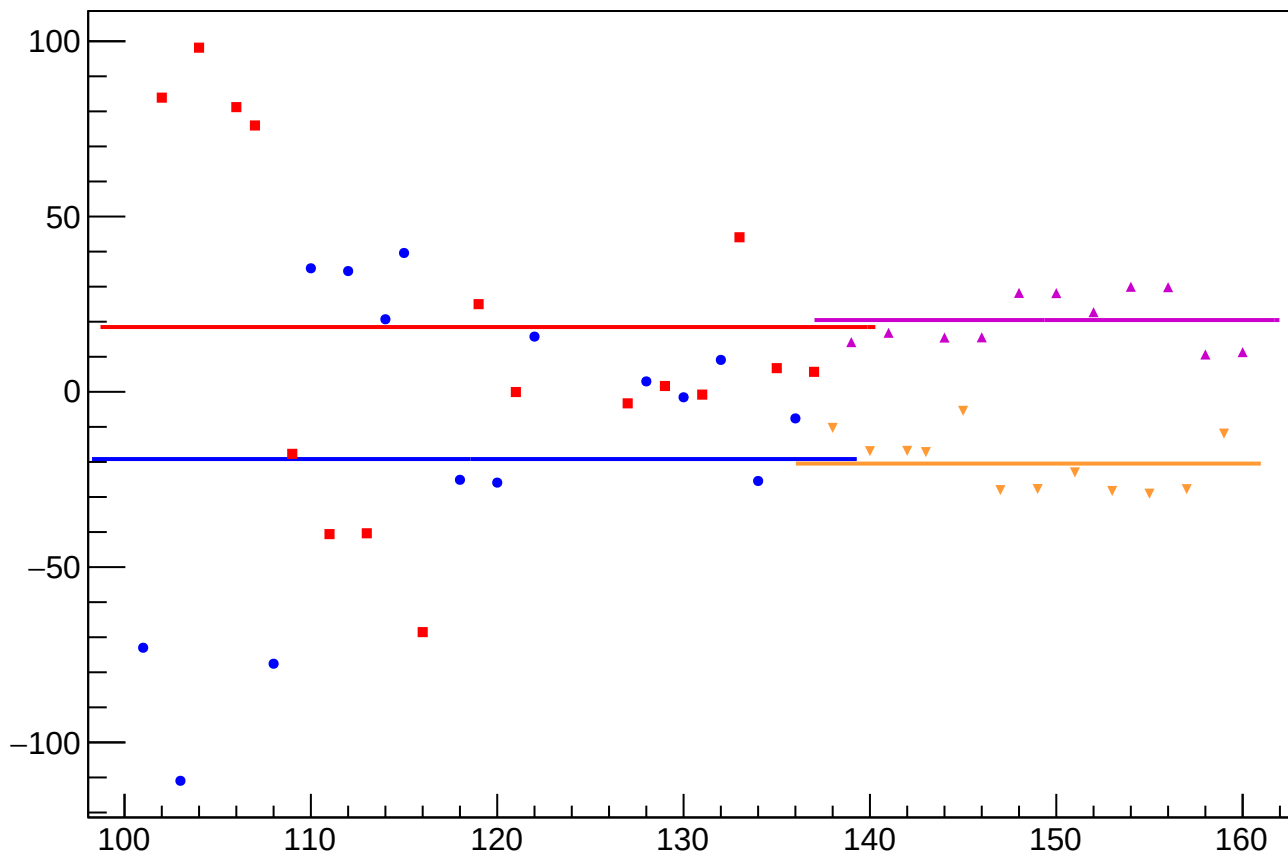
Left: 0.010 +/- 0.000 χ^2/NDF : 308495296516211564
 Right In: 1.384 +/- 0.000 χ^2/NDF : 1571159324102064120487940936695808.0/14
 Right: 0.104 +/- 0.000 χ^2/NDF : 44802957007729023
 Left Out: 0.412 +/- 0.000 χ^2/NDF : 9382414275472018674983467220992.0/11
 In: 0.343 +/- 0.000 χ^2/NDF : 2773530065340727089
 Right Out: -1.142 +/- 0.000 χ^2/NDF : 810680738285448955223066212827136.0/15
 Out: -0.243 +/- 0.000 χ^2/NDF : 17511630764332006
 Left In: -0.389 +/- 0.000 χ^2/NDF : 4468112130112640641394154668032.0/10
 All: 0.049 +/- 0.000 χ^2/NDF : 47956046375431

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -39.225+/-0.000	χ^2/NDF : 2749183771125436
Left Out: 1171.807+/-0.000	χ^2/NDF : 52424901282098583856312492577037221888.0/11	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -308.706+/-0.000	χ^2/NDF : 1992534711877389
Left In: -1237.150+/-0.000	χ^2/NDF : 30323445843993737164691986740223672320.0/10	Out: 267.171+/-0.000	χ^2/NDF : 1904273666999186
		All: -20.037+/-0.000	χ^2/NDF : 415830099668

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175 ± 0.000

Left Out: -20.466 ± 0.000

Right Out: 18.479 ± 0.000

Left In: 20.473 ± 0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

χ^2/NDF : 58628381923673457294433589512896512.0/11

χ^2/NDF : 1489398115046175180640331393369374720.0/15

χ^2/NDF : 48484953363349820110348478937300992.0/10

Left: 0.115 ± 0.000 χ^2/NDF : 877202582639736103

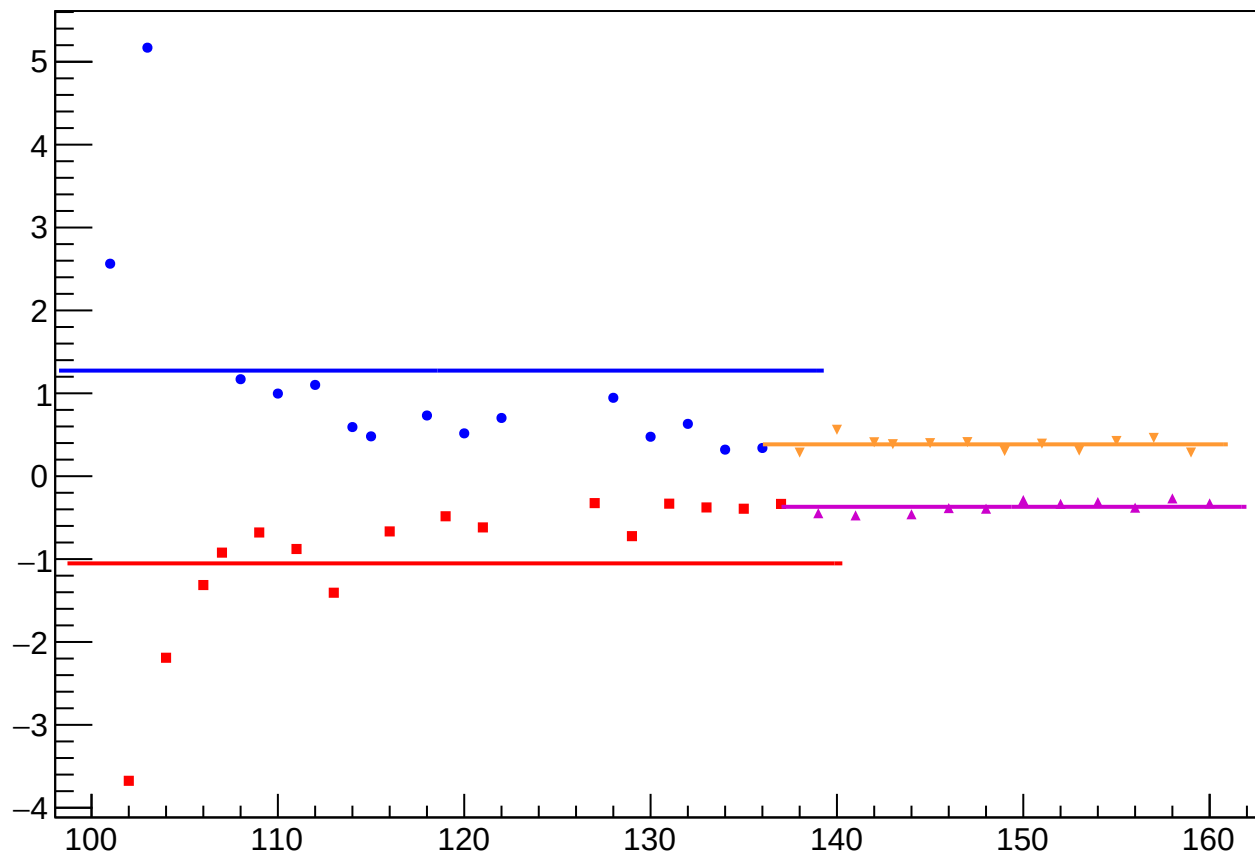
Right: -0.091 ± 0.000 χ^2/NDF : 3202145485356183

In: 4.115 ± 0.000 χ^2/NDF : 1894138593068178389

Out: -4.035 ± 0.000 χ^2/NDF : 21328659955407988

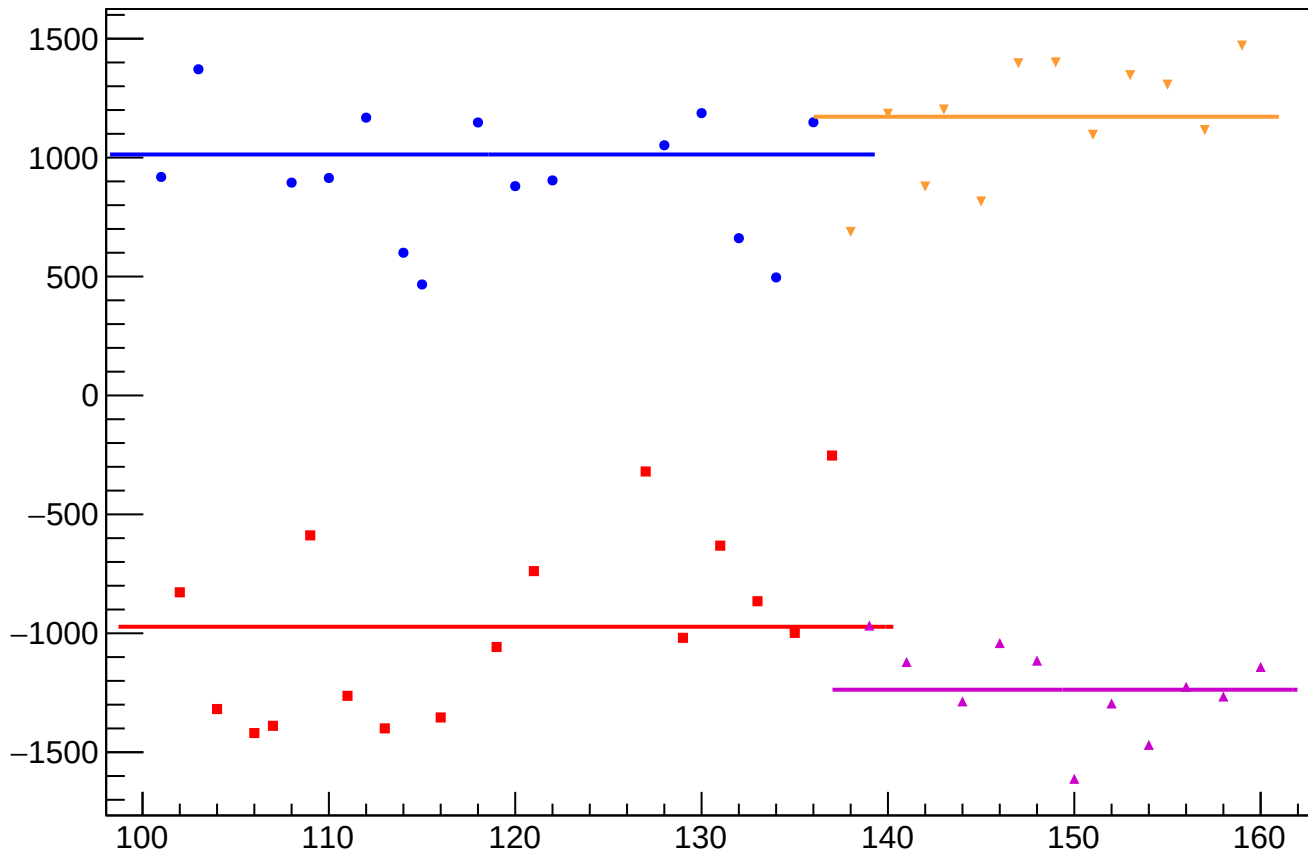
All: 0.029 ± 0.000 χ^2/NDF : 40793804983027

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



Right In: 1.274+/-0.000 χ^2/NDF : 1212041476631073599154045304438784.0/14
 Left Out: 0.384+/-0.000 χ^2/NDF : 5822322029078598268260129439744.0/11
 Right Out: -1.052+/-0.000 χ^2/NDF : 607316121057753919194559126962176.0/15
 Left In: -0.369+/-0.000 χ^2/NDF : 4166350638848138676707816112128.0/10
 All: 0.043+/-0.000 χ^2/NDF : 38758828381997

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

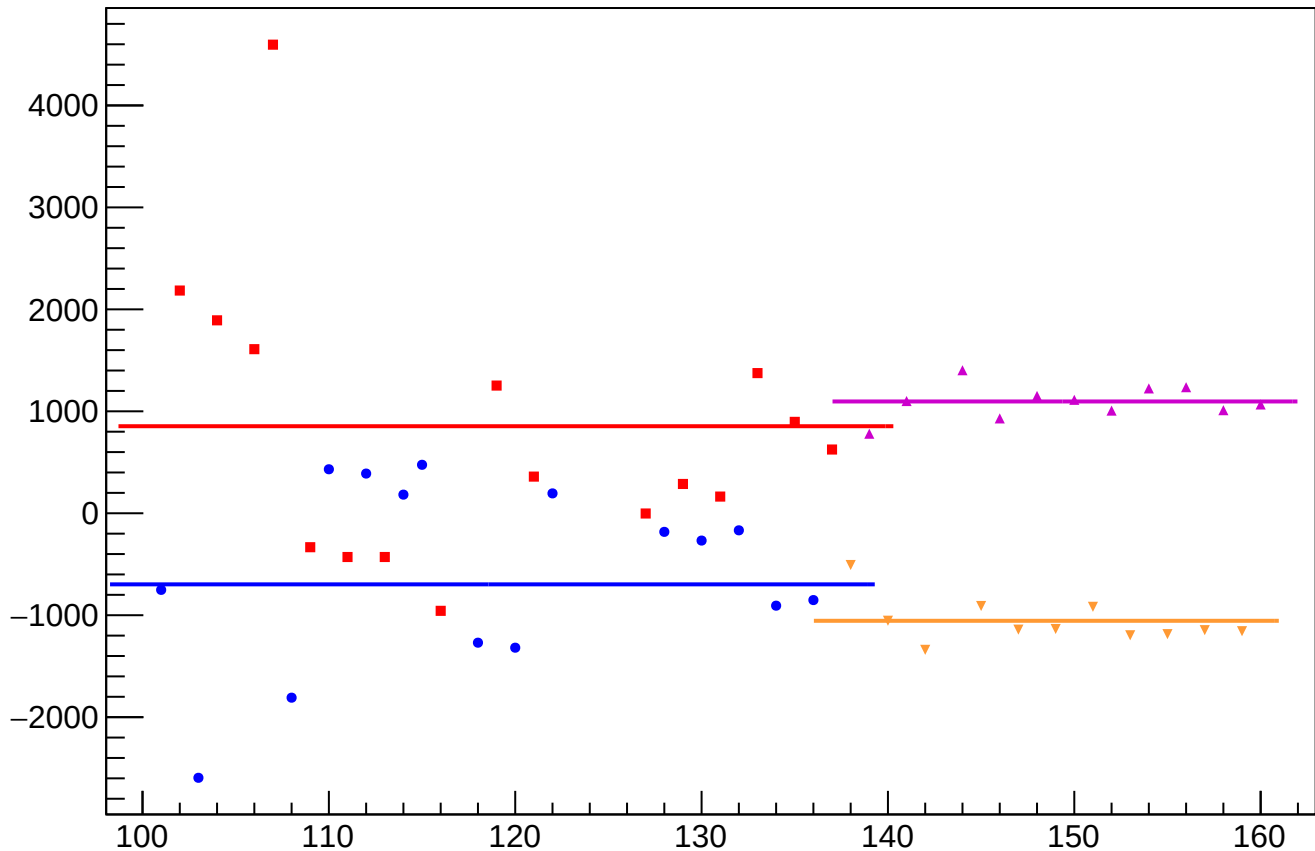
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1054.675+/-0.000

χ^2/NDF : 35893414561751289831028004535805149184.0/10

Right Out: 853.734+/-0.000

χ^2/NDF : 1078379020126412317155932275156201766912.0/15

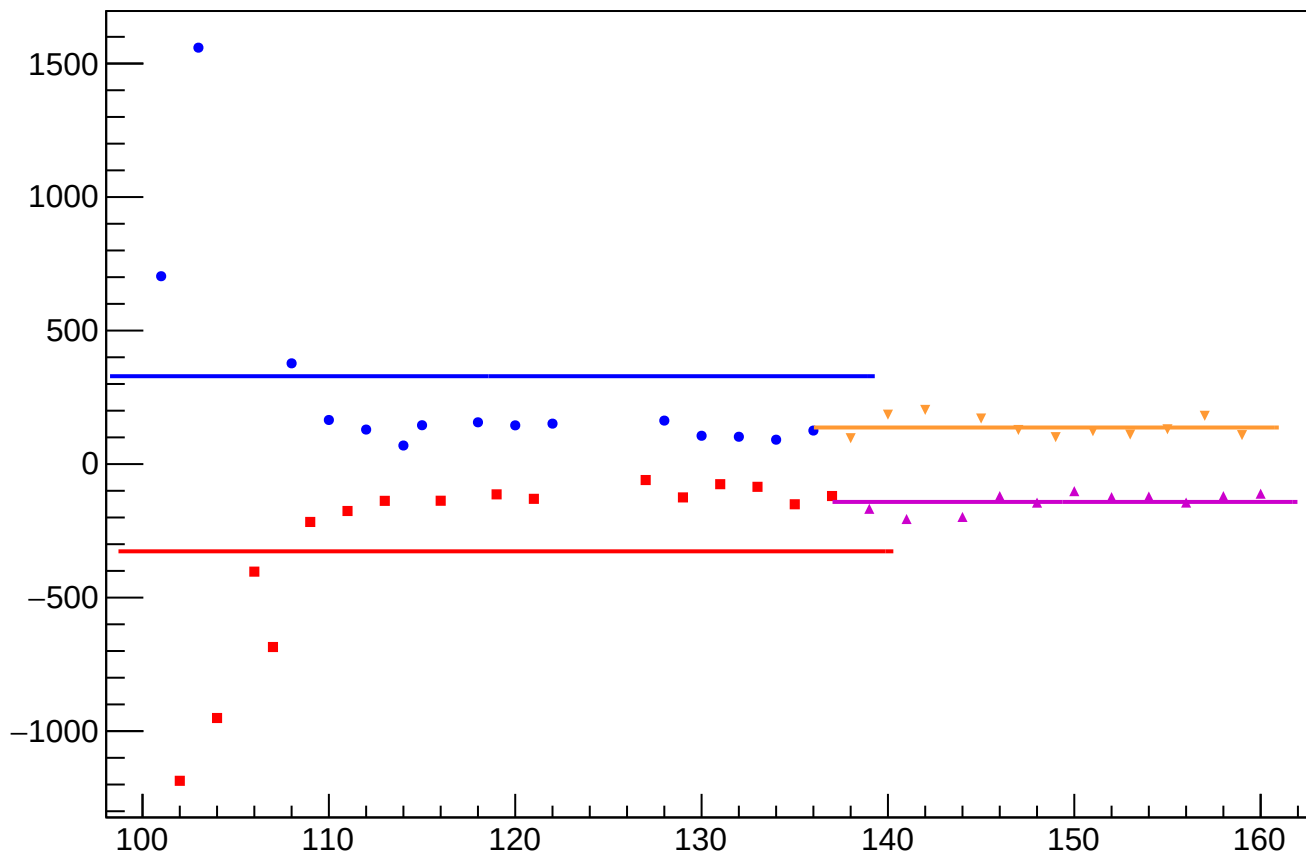
Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

All: 76.698+/-0.000

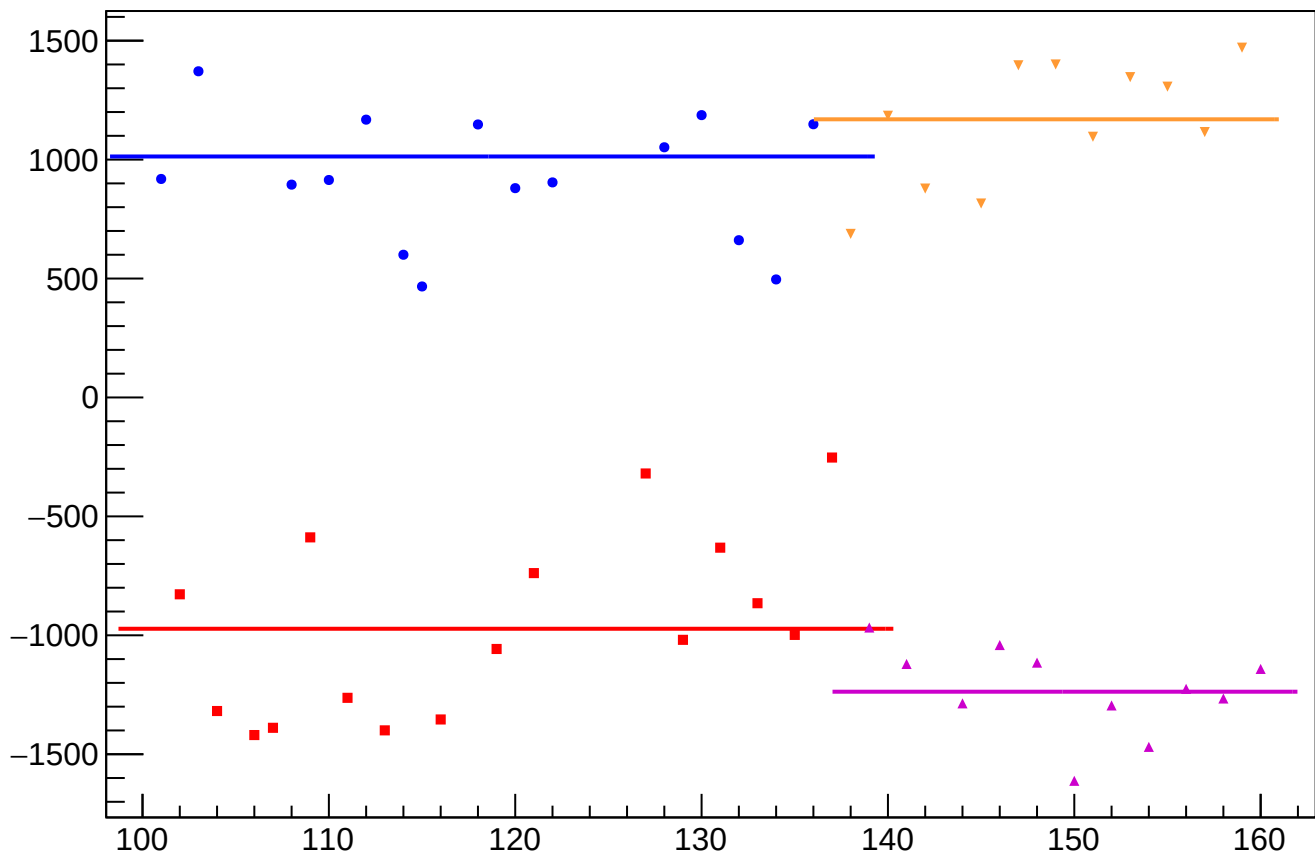
χ^2/NDF : 4464746513505

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 329.108 +/- 0.000 χ^2/NDF : 116863820700538623524207945698672377856.0/14
 Left Out: 137.012 +/- 0.000 χ^2/NDF : 1014362817438194132709655172622581760.0/10
 Right Out: -326.695 +/- 0.000 χ^2/NDF : 87569123354318020688611028415151079424.0/15
 Left In: -141.688 +/- 0.000 χ^2/NDF : 1044882408057849194081424130600599552.0/10
 All: -6.215 +/- 0.000 χ^2/NDF : 3823059515642

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1169.420+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52359058528484212152975817930553950208.0/10

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -86.182+/-0.000 χ^2/NDF : 2642058453366472

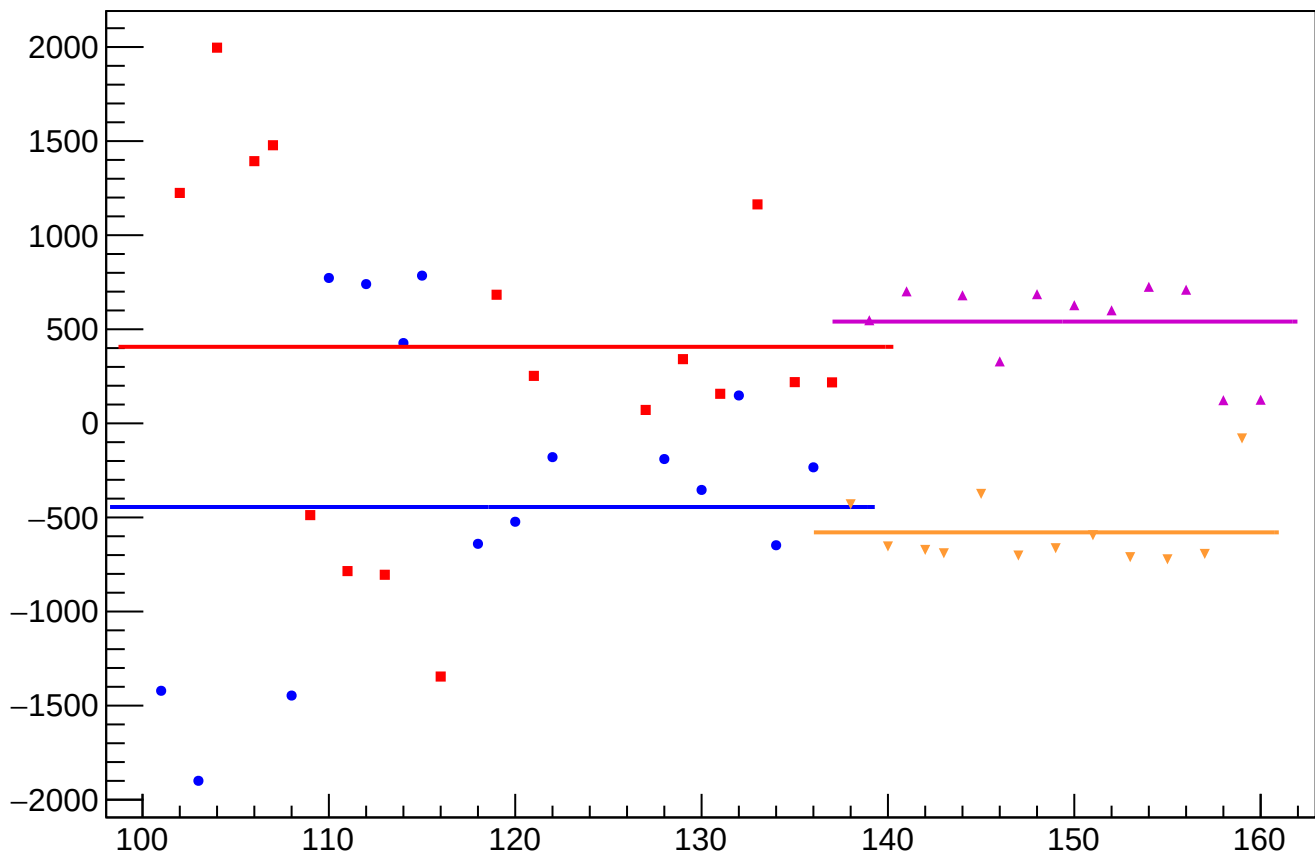
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 225.803+/-0.000 χ^2/NDF : 1843132897386969

All: -46.560+/-0.000 χ^2/NDF : 405607578172

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left Out: -579.272+/-0.000

χ^2/NDF : 32584581524528860941595597407042666496.0/11

Right Out: 406.729+/-0.000

χ^2/NDF : 529122421866774810012941782239129108480.0/15

Left In: 540.842+/-0.000

χ^2/NDF : 42670193317497817911030367466366697472.0/10

Left: -16.168+/-0.000 χ^2/NDF : 6517518654293770

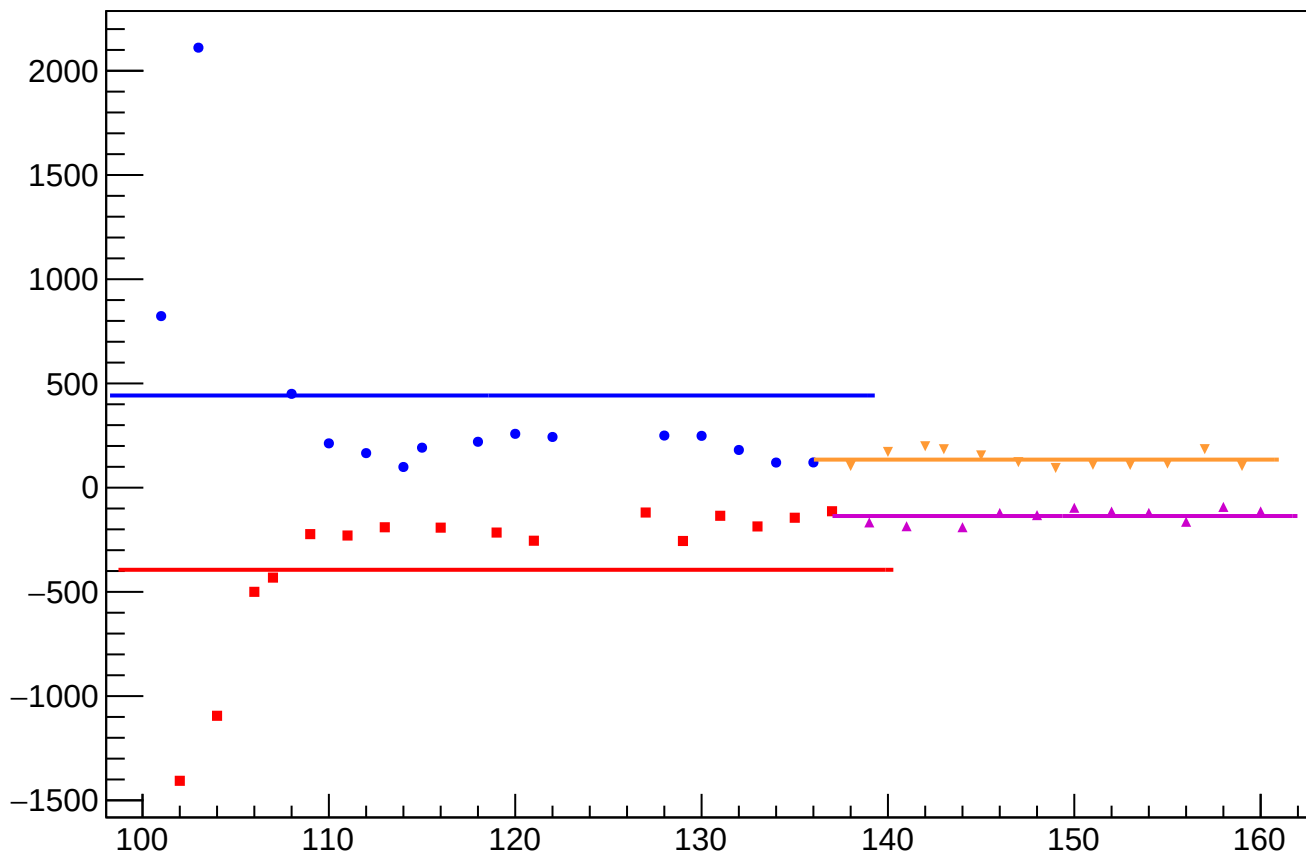
Right: -13.070+/-0.000 χ^2/NDF : 116395703795034

In: 134.297+/-0.000 χ^2/NDF : 80929743970512617

Out: -163.293+/-0.000 χ^2/NDF : 936589740364006

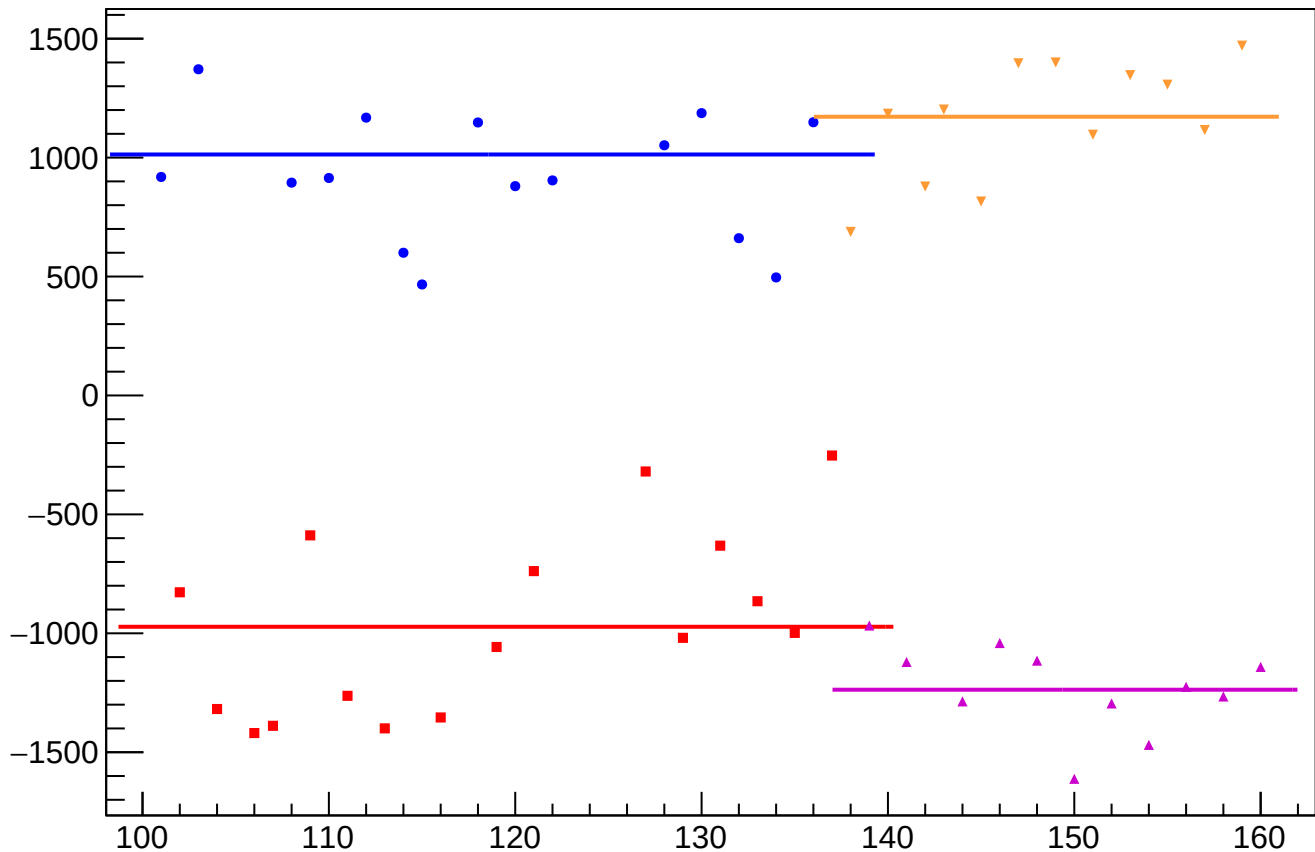
All: -14.875+/-0.000 χ^2/NDF : 181571626575

dit_usr_coil6_err_mean vs Slug, Sign Corrected



Right In: 442.162 ± 0.000 $\chi^2/\text{NDF}: 204015999343694089140945697316947361792.0/14$
 Left Out: 134.562 ± 0.000 $\chi^2/\text{NDF}: 1123122265403287497024317633834516480.0/11$
 Right Out: -394.033 ± 0.000 $\chi^2/\text{NDF}: 105882611624182009489804426207740035072.0/15$
 Left In: -136.040 ± 0.000 $\chi^2/\text{NDF}: 1011093061479650527261127450495549440.0/10$
 All: 6.795 ± 0.000 $\chi^2/\text{NDF}: 57598156309211$

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

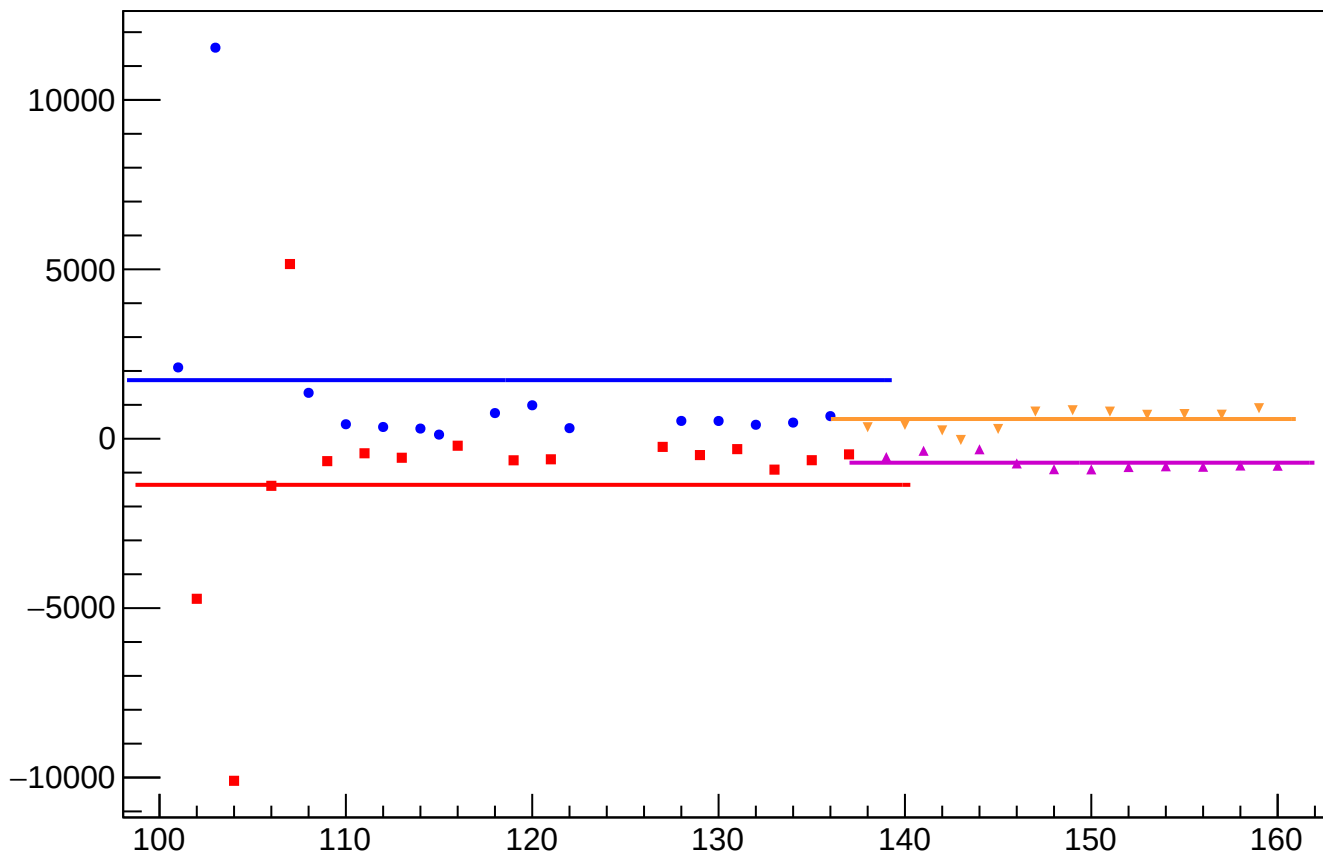
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

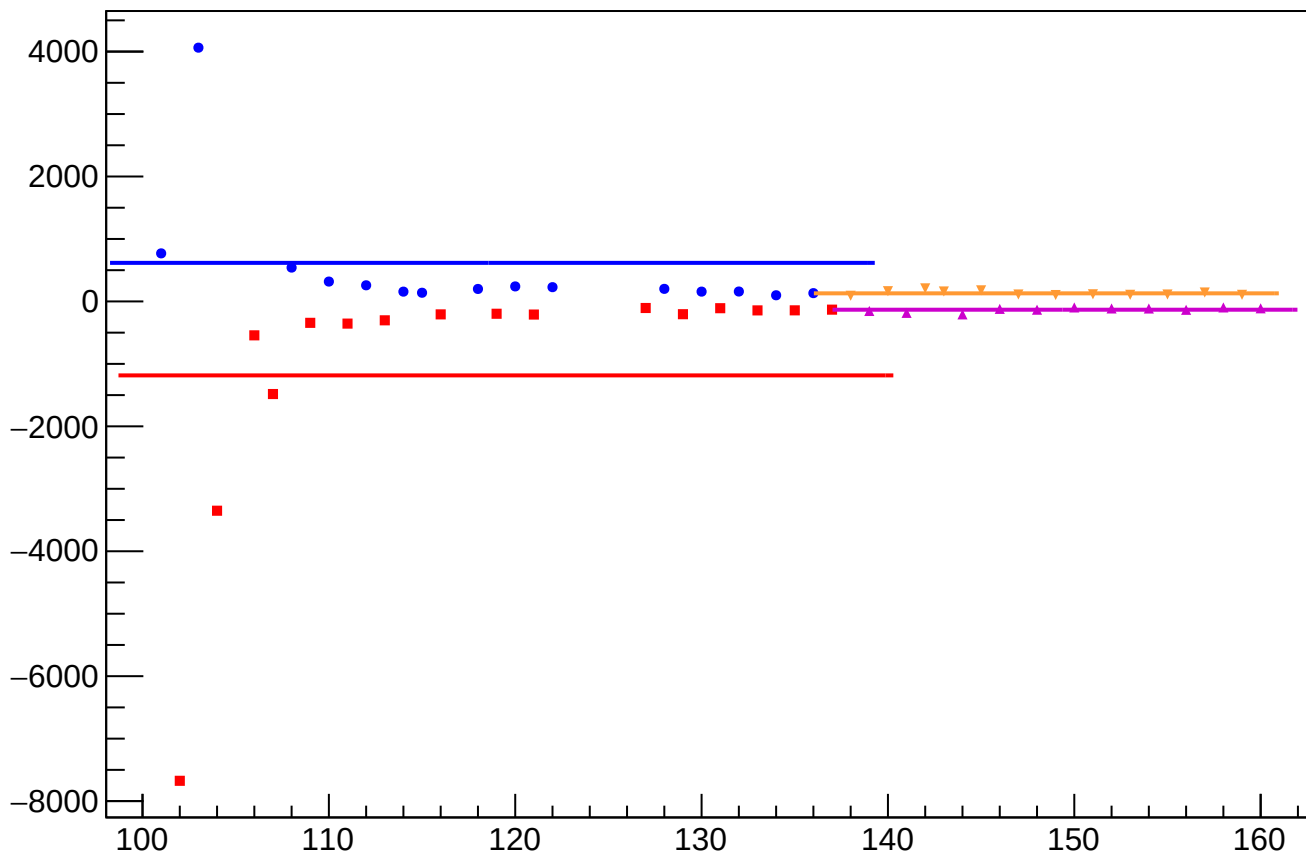
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl1_coil6_mean vs Slug, Sign Corrected



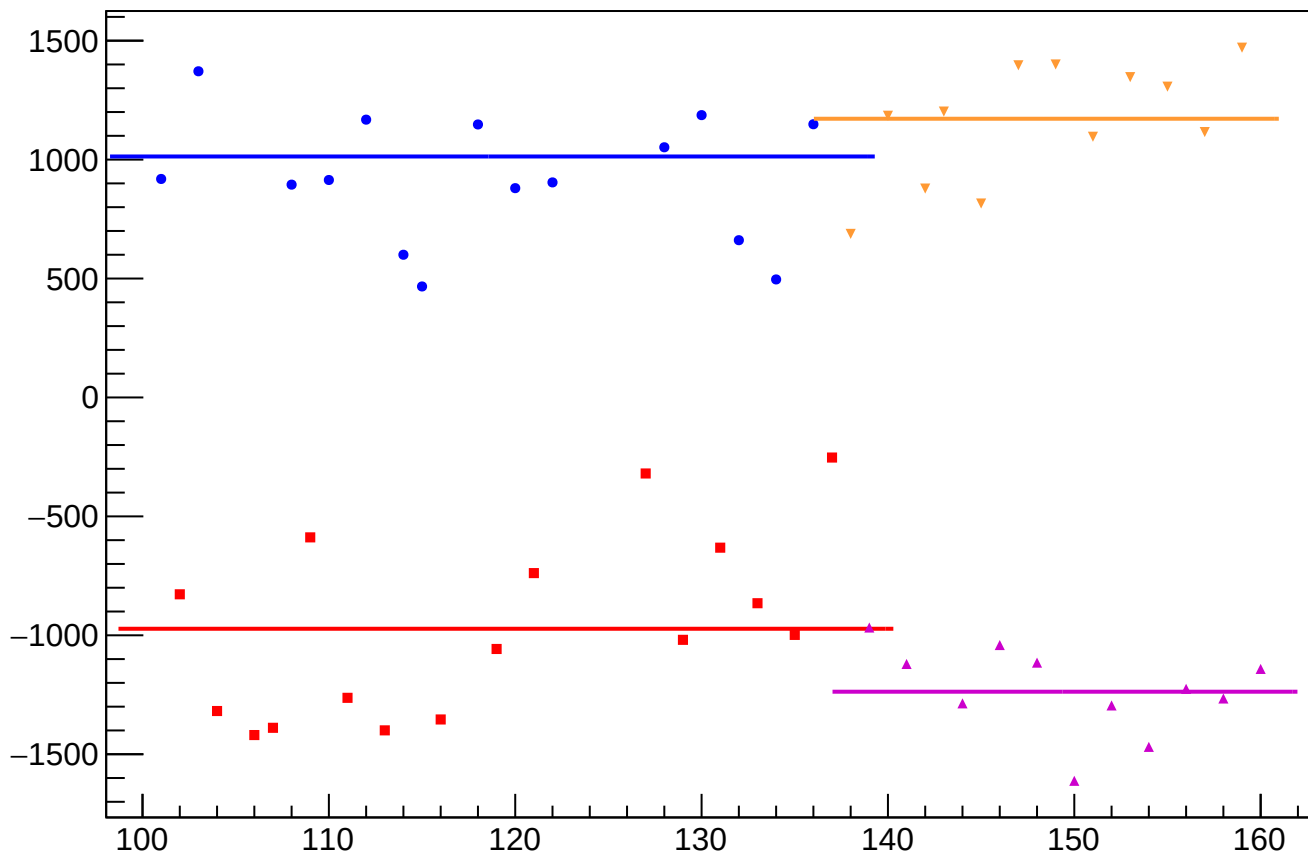
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 582.152+/-0.000 χ^2/NDF : 70083772647831486125732989768801714176.0/11
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -707.889+/-0.000 χ^2/NDF : 38116486188817980699032426002432131072.0/10
 All: 29.296+/-0.000 χ^2/NDF : 1689851779226

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



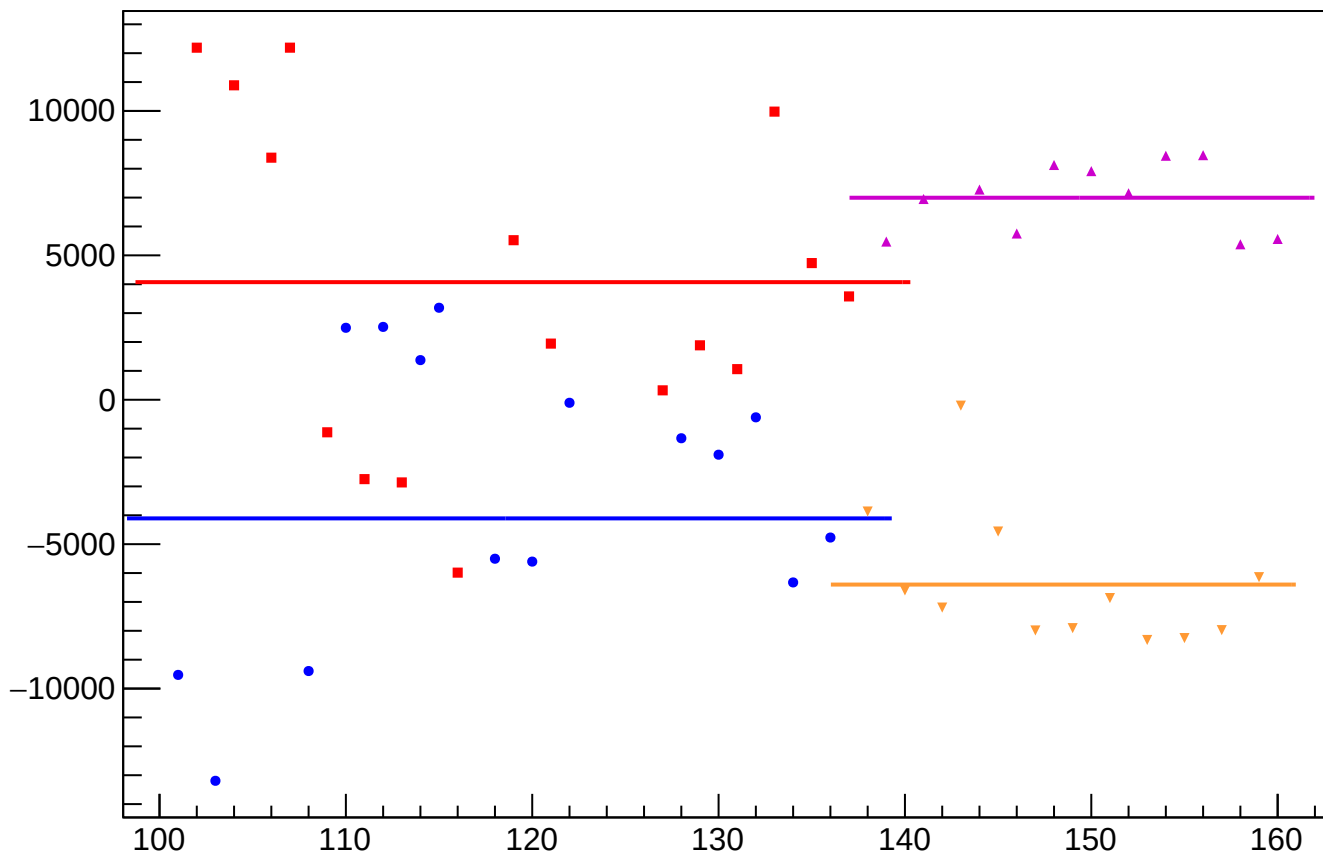
Right In: 617.343+/-0.000 χ^2/NDF : 792366012985954198345317750268755968000.0/14
 Left Out: 129.339+/-0.000 χ^2/NDF : 987271298758703212489370439899938816.0/11
 Right Out: -1184.322+/-0.000 χ^2/NDF : 3167423043121242666563535820496559931392.0/15
 Left In: -132.869+/-0.000 χ^2/NDF : 1091839085664014112201463155711279104.0/10
 All: -124.871+/-0.000 χ^2/NDF : 51271793033

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6398.906+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4560292812943761149136938286094472970240.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 334.389+/-0.000 χ^2/NDF : 8822007925031666

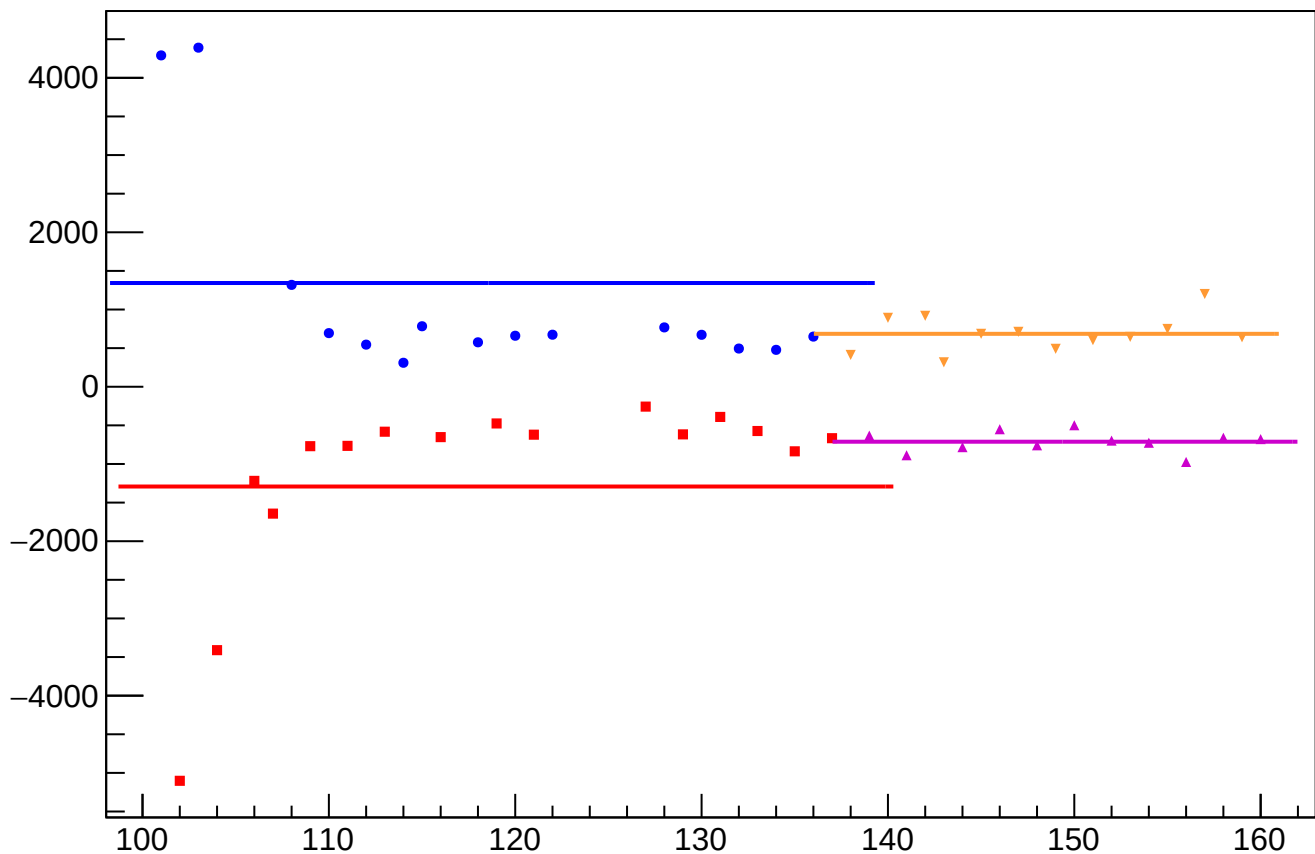
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1981.339+/-0.000 χ^2/NDF : 67205872968541

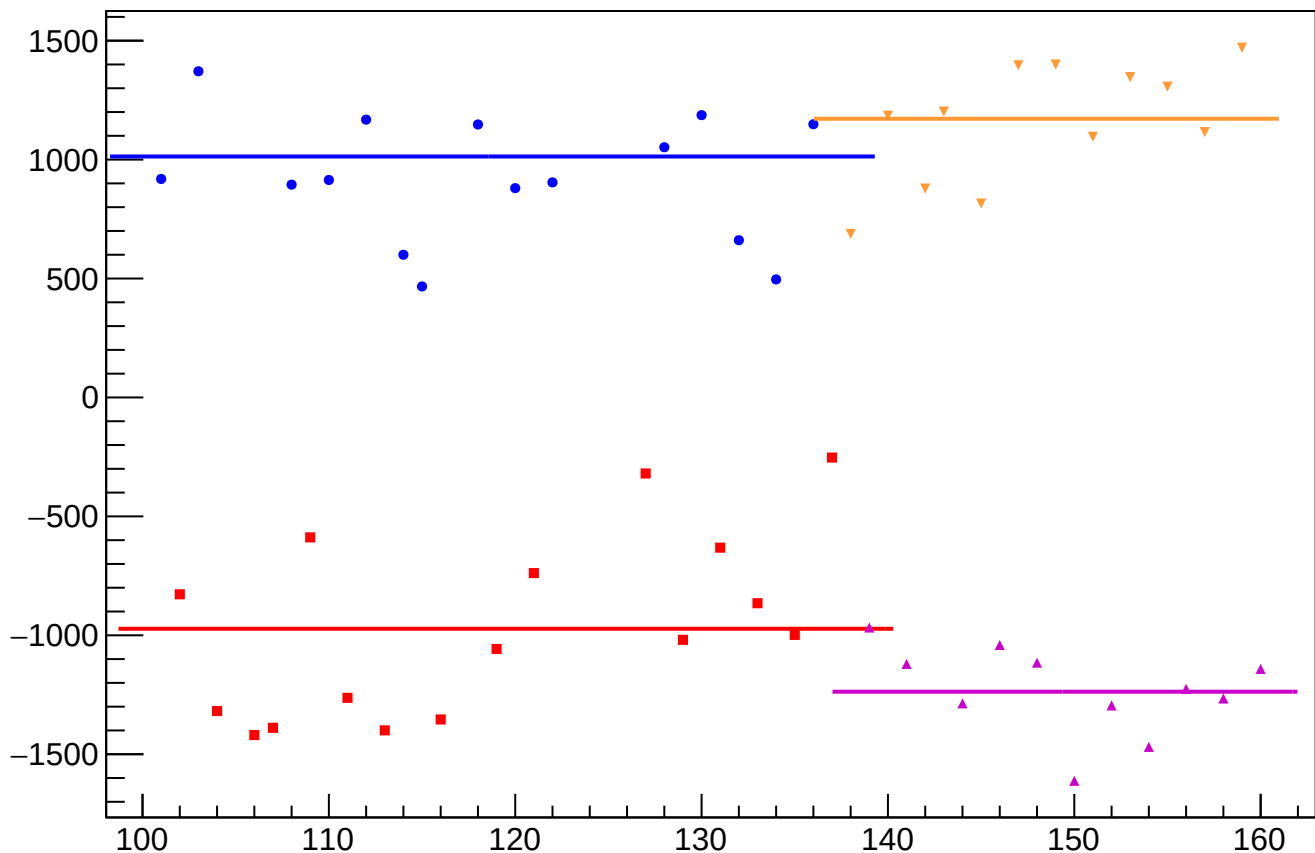
All: 210.837+/-0.000 χ^2/NDF : 145189636575

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1343.321 +/- 0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 685.307 +/- 0.000 χ^2/NDF : 46333249080985813233742212153458294784.0/11
 Right Out: -1291.796 +/- 0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726 +/- 0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.683 +/- 0.000 χ^2/NDF : 5884601406998

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

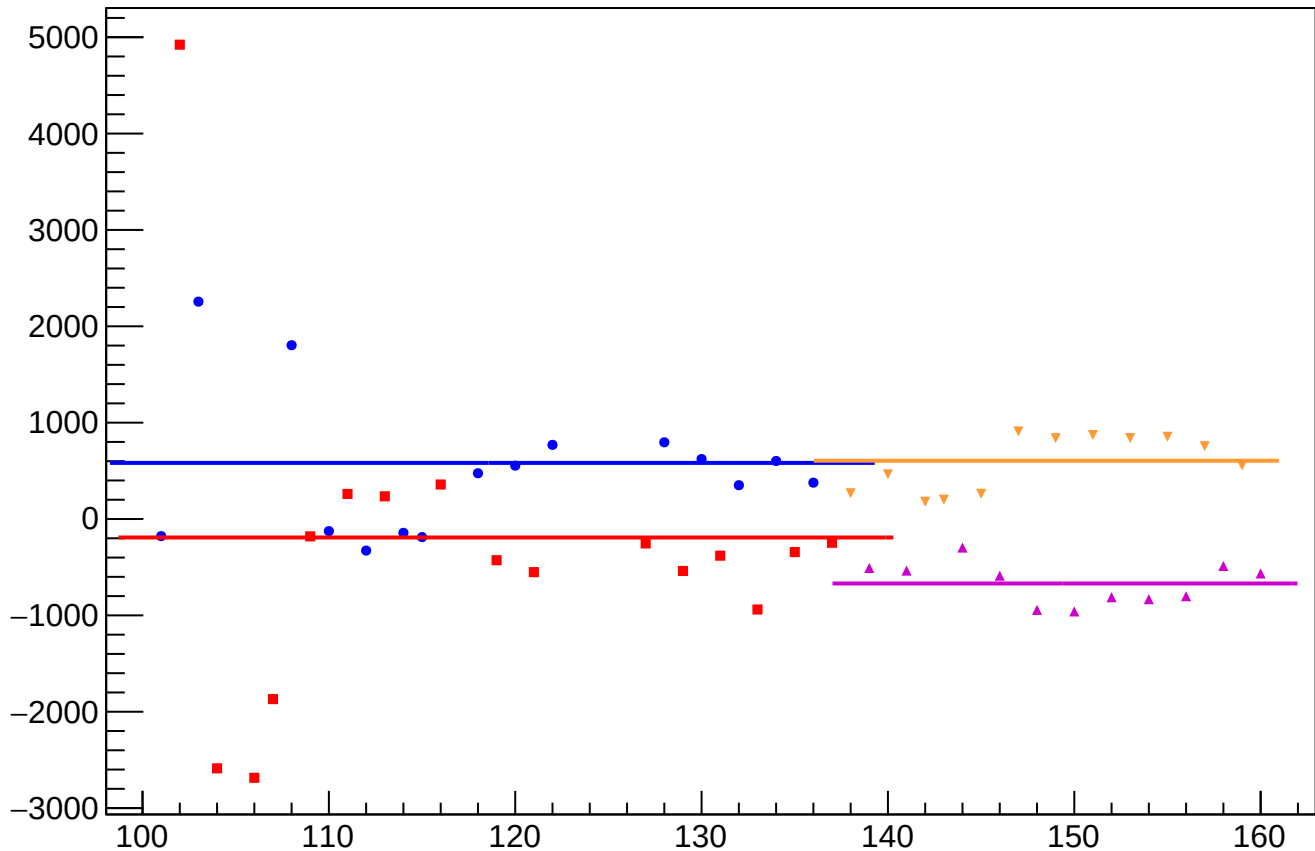
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 605.074+/-0.000

χ^2/NDF : 67912515245446196729937130882705915904.0/11

Right Out: -191.587+/-0.000

χ^2/NDF : 2168762120552346223416743005020716269568.0/15

Left In: -669.155+/-0.000

χ^2/NDF : 39481195240563617253842230522616479744.0/10

Left: -35.507+/-0.000 χ^2/NDF : 8534436967394536

Right: 190.108+/-0.000

χ^2/NDF : 270460615635385

In: -152.784+/-0.000

χ^2/NDF : 9754243982311555

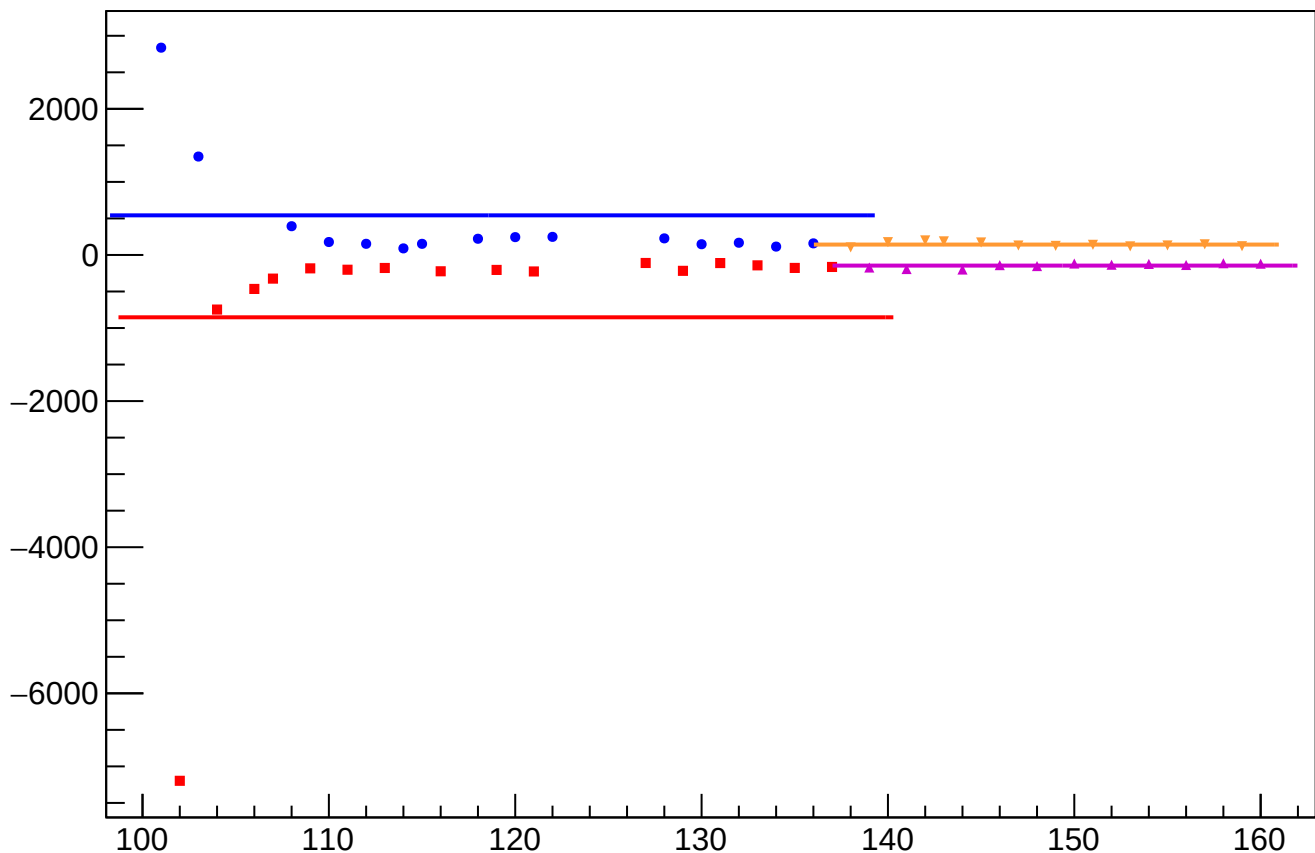
Out: 268.975+/-0.000

χ^2/NDF : 2481404905102664

All: 58.630+/-0.000

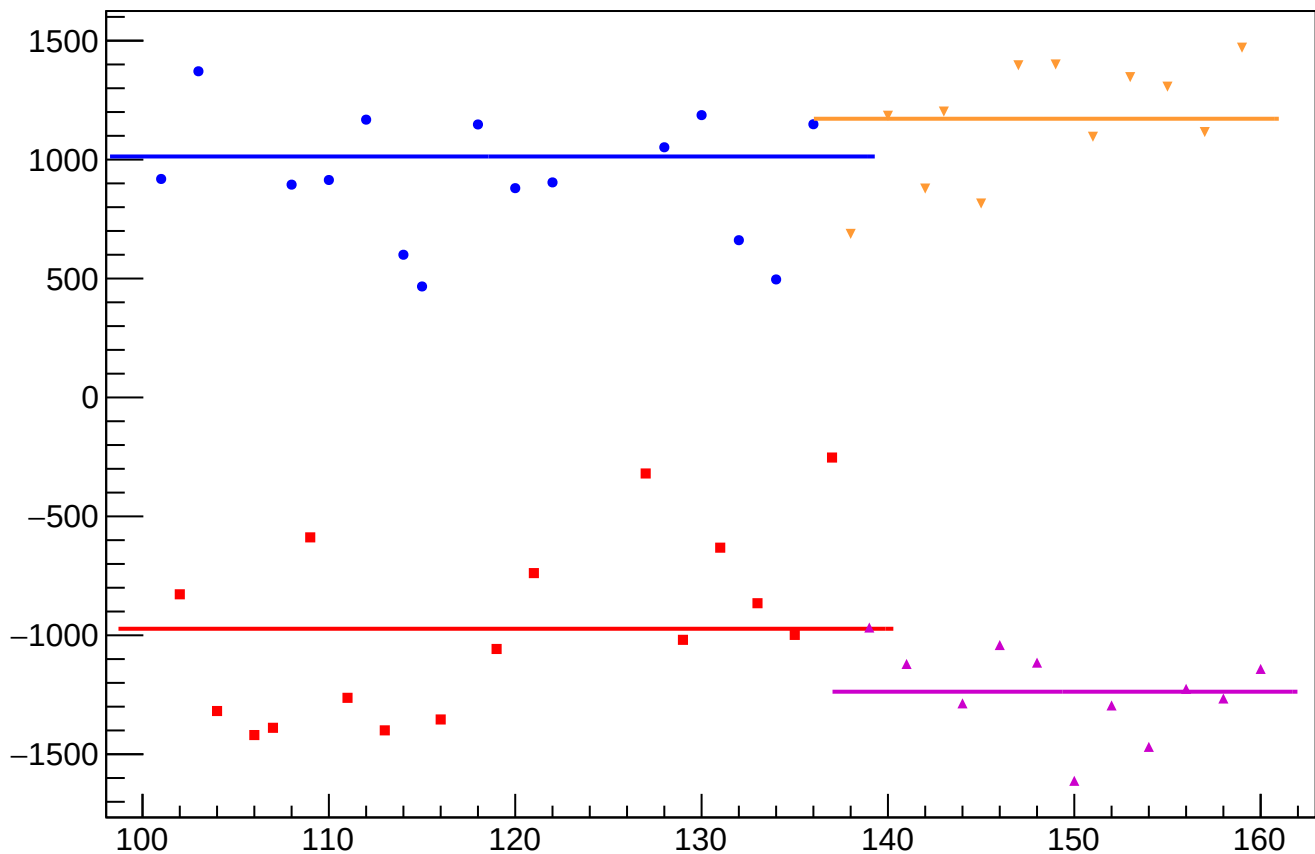
χ^2/NDF : 3597086809072

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



Right In: 542.328+/-0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Left Out: 142.333+/-0.000 χ^2/NDF : 699754234994212847043453967042347008.0/11
 Right Out: -853.203+/-0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Left In: -145.502+/-0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.218+/-0.000 χ^2/NDF : 368889410963

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

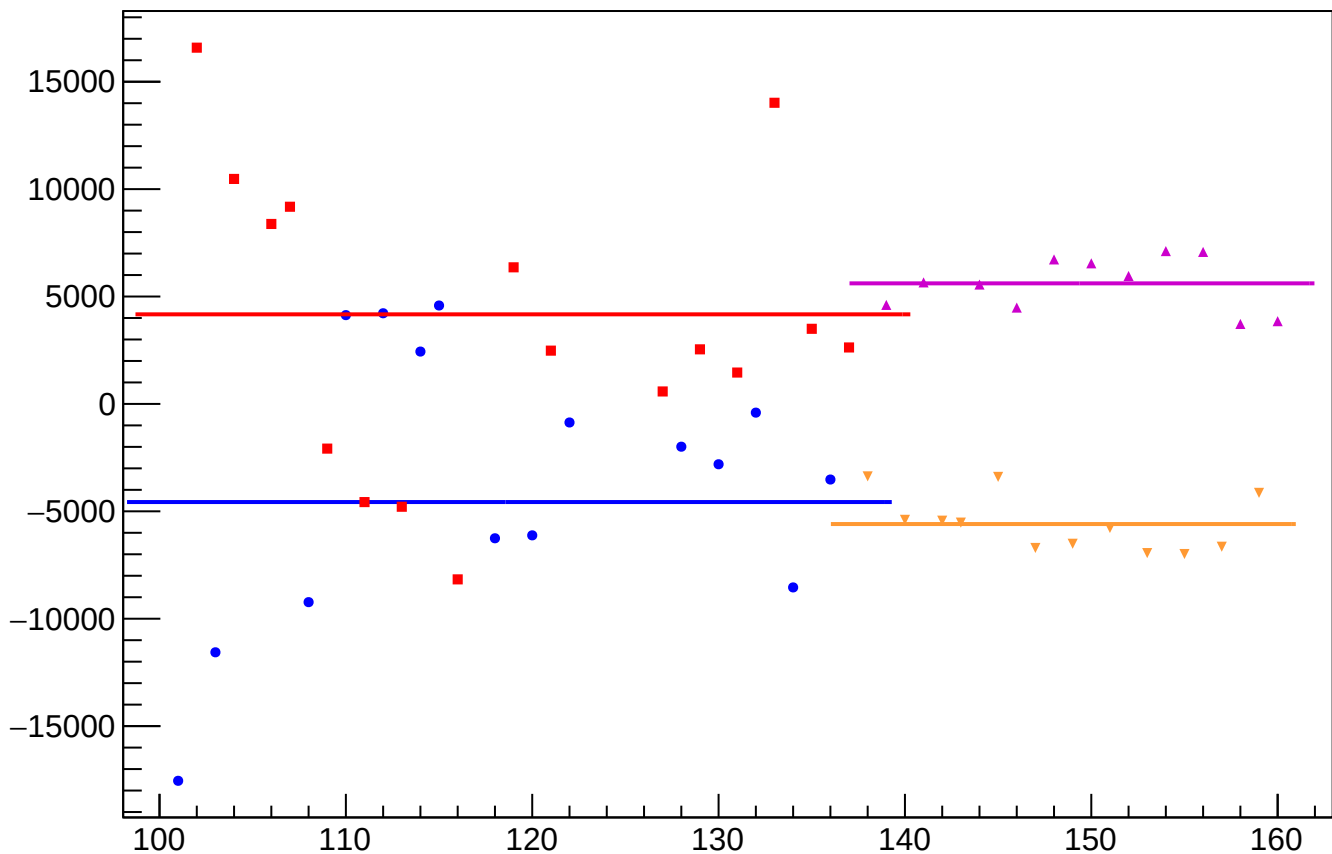
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297+/-0.000

Left Out: -5592.357+/-0.000

Right Out: 4170.773+/-0.000

Left In: 5613.024+/-0.000

χ^2/NDF : 24195052148165719540713110921977756909568.0/14

χ^2/NDF : 1502507998590915650067934753088681803776.0/11

χ^2/NDF : 30967248832187912041113909559481103024128.0/15

χ^2/NDF : 1272210659936261957248133173503170969600.0/10

Left: 40.816+/-0.000 χ^2/NDF : 60468092890171926

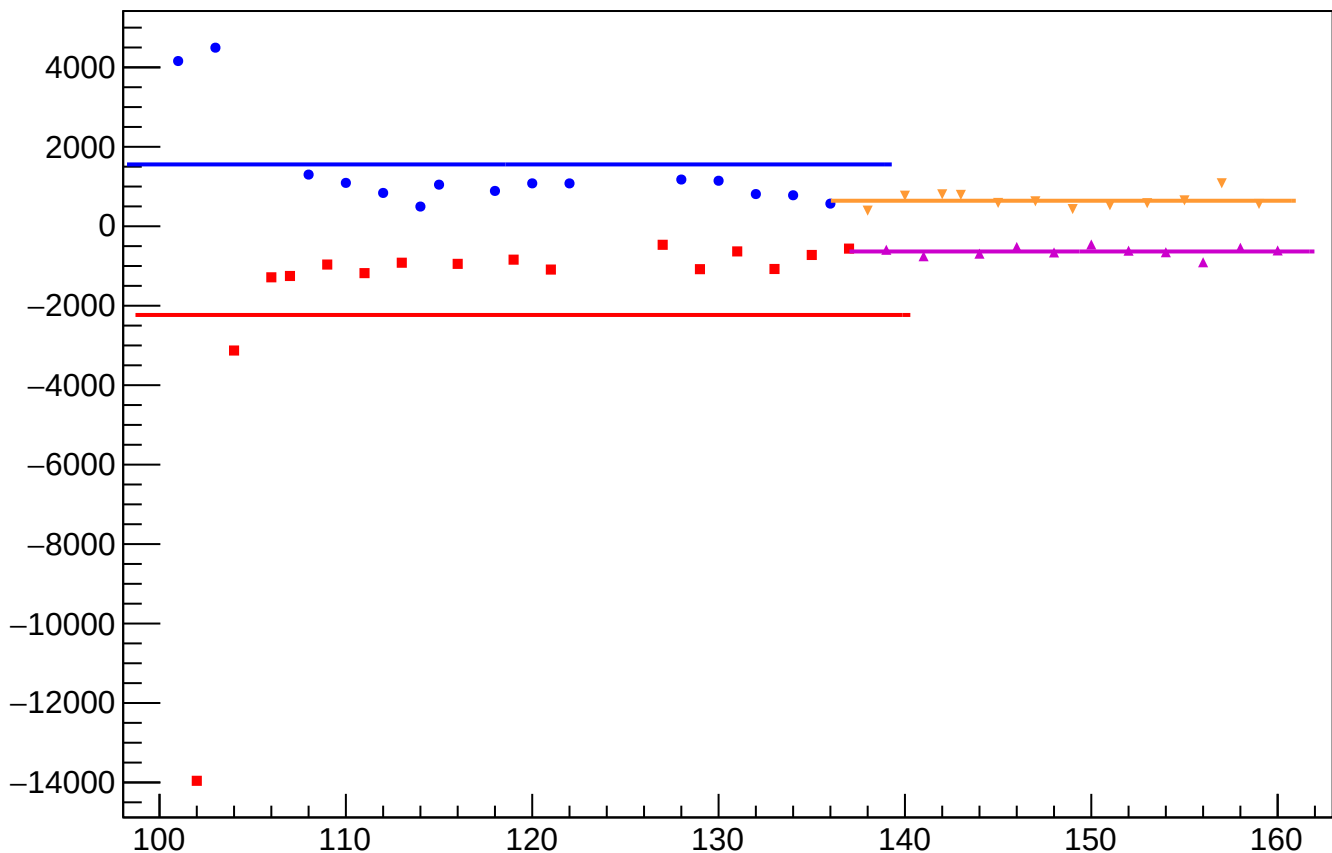
Right: -138.996+/-0.000 χ^2/NDF : 80283768430562

In: 1412.339+/-0.000 χ^2/NDF : 6498537450862054

Out: -1473.440+/-0.000 χ^2/NDF : 69224914404037

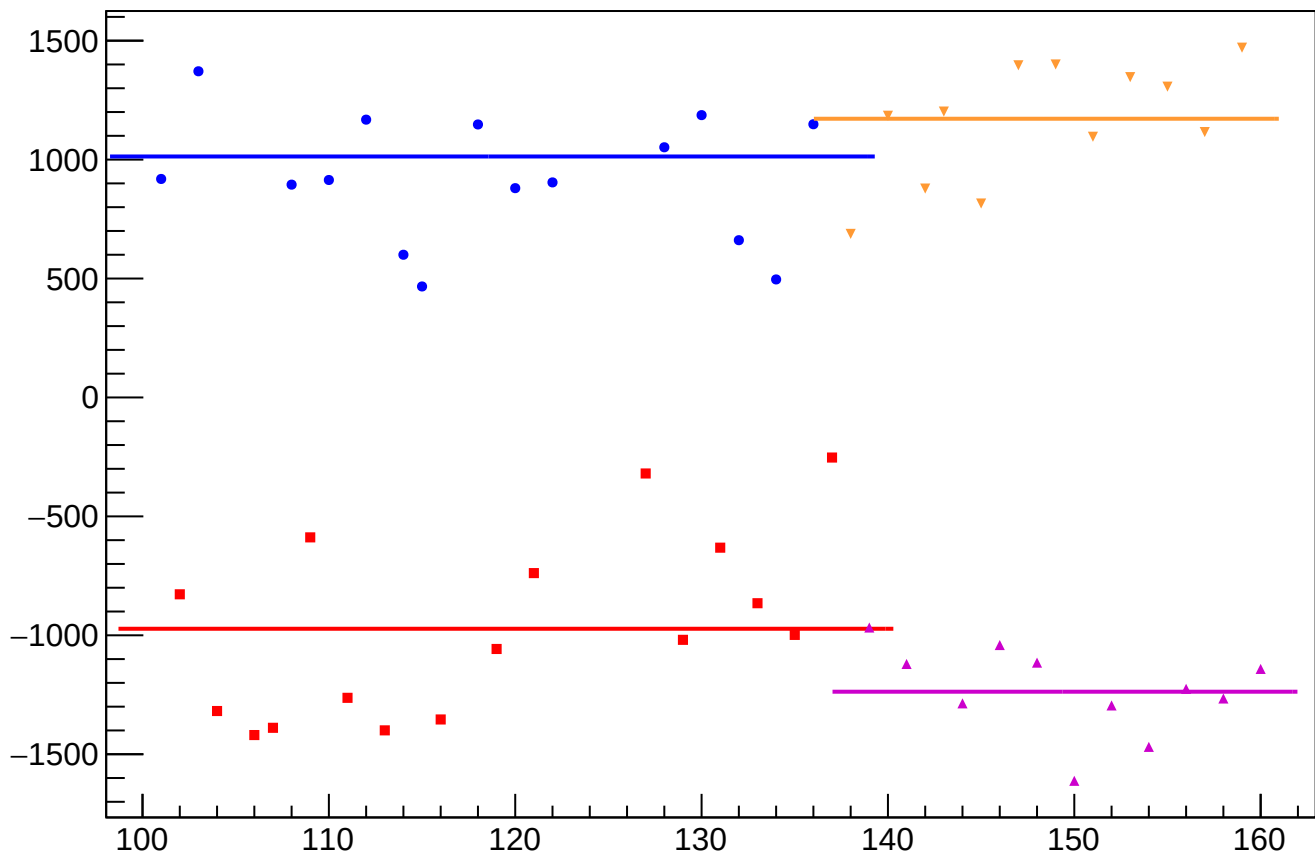
All: -34.210+/-0.000 χ^2/NDF : 140776657149

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1556.763+/-0.000 χ^2/NDF : 1139364239218600567191855131756930793472.0/14
 Left Out: 642.639+/-0.000 χ^2/NDF : 29931346030134316080818937490076336128.0/11
 Right Out: -2232.520+/-0.000 χ^2/NDF : 8990395725533930134878595569706942332928.0/15
 Left In: -634.562+/-0.000 χ^2/NDF : 12308442809403031190669556314642841600.0/10
 All: -151.463+/-0.000 χ^2/NDF : 15746462164

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

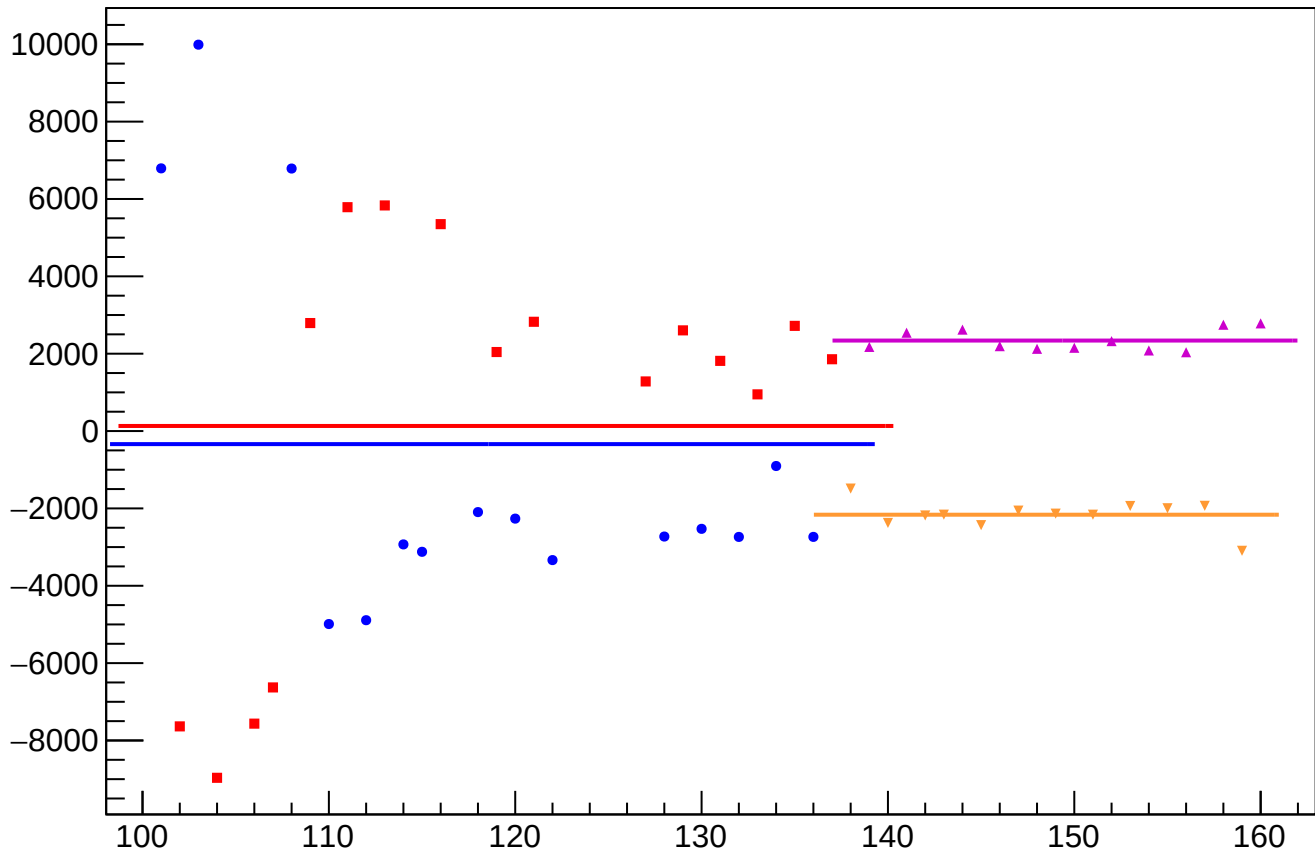
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865+/-0.000

χ^2/NDF : 15152515933007079891661097940762081886208.0/14

Left Out: -2162.857+/-0.000

χ^2/NDF : 126332275232930257638482620391759020032.0/11

Right Out: 131.545+/-0.000

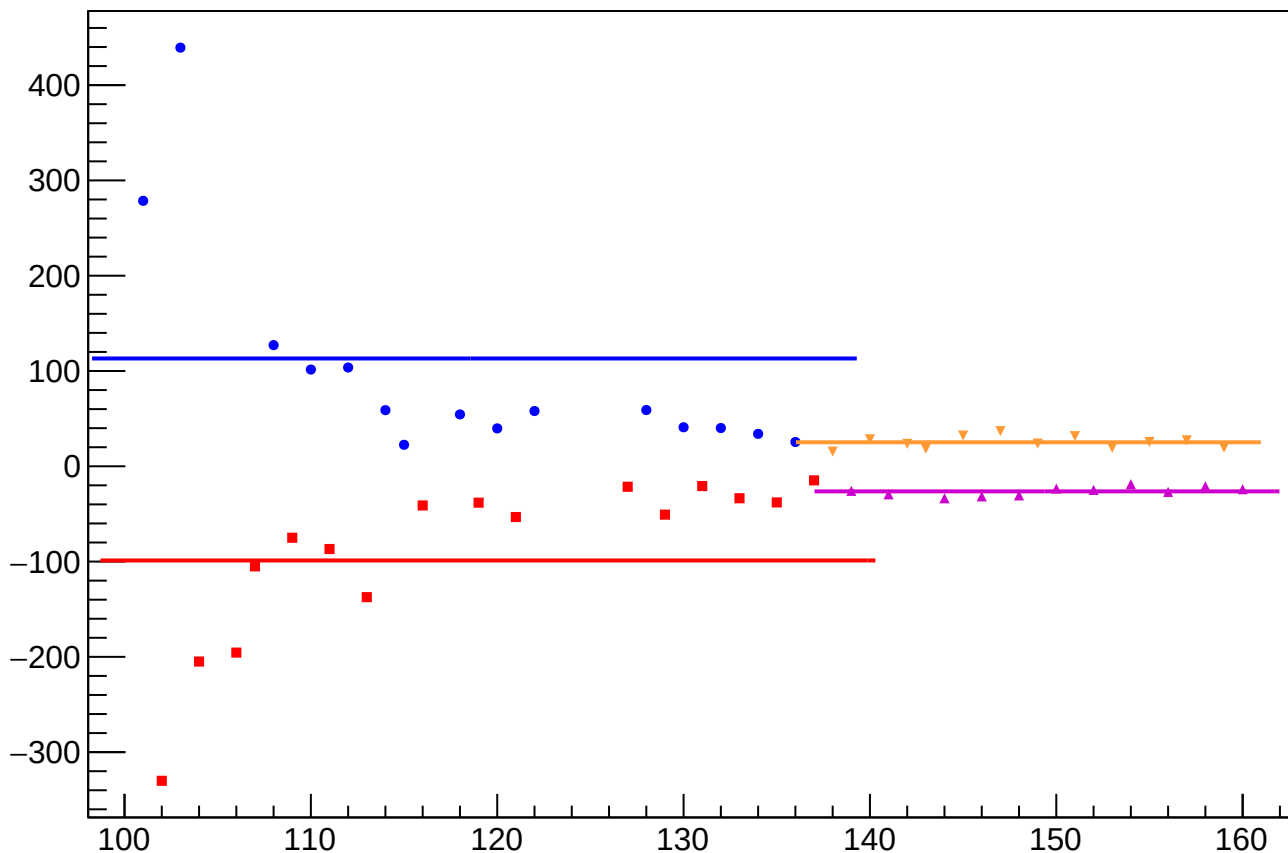
χ^2/NDF : 16473217651078877976377424419956902068224.0/15

Left In: 2339.639+/-0.000

χ^2/NDF : 62860144247456957543810906284181422080.0/10

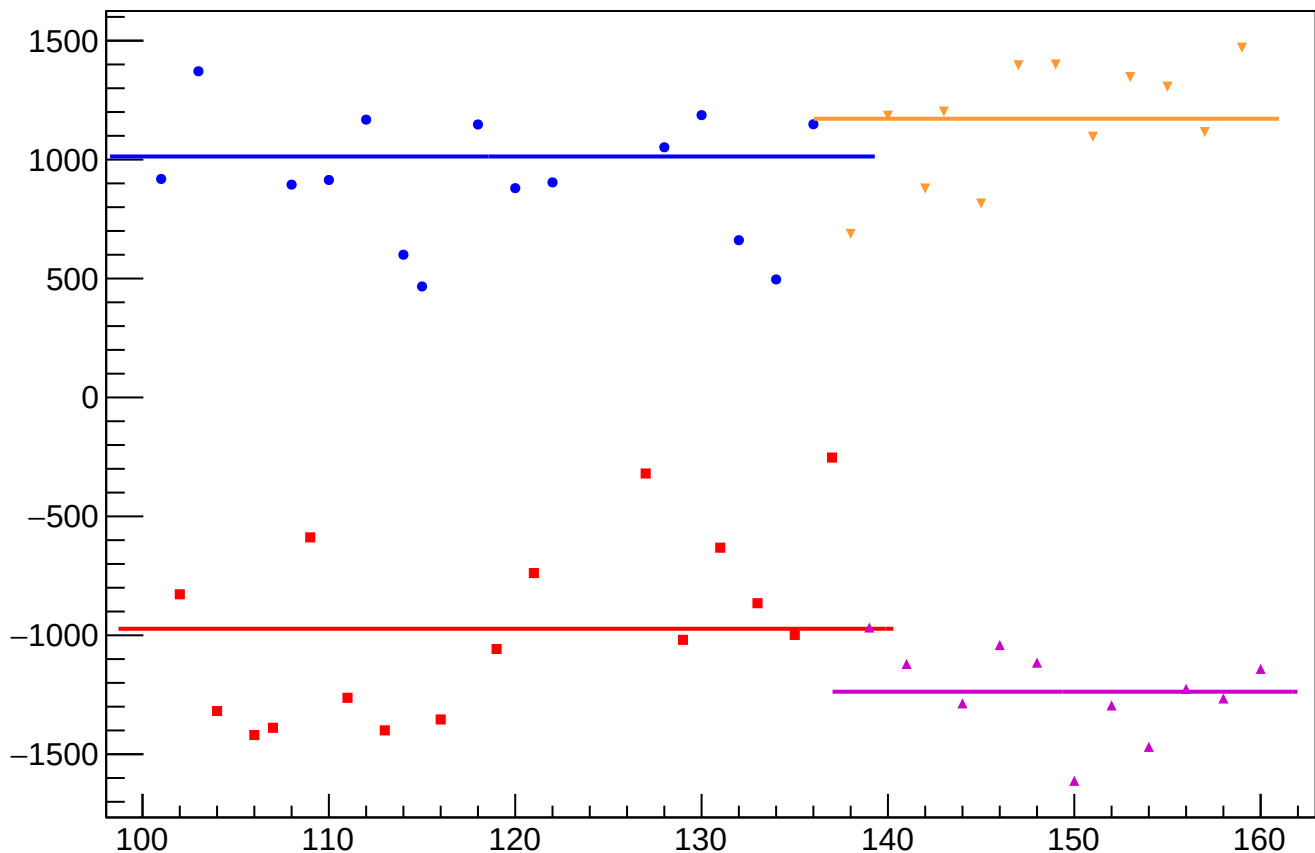
Left: 100.639+/-0.000 χ^2/NDF : 9504114139630339
 Right: -99.949+/-0.000 χ^2/NDF : 316982138957514
 In: 1234.934+/-0.000 χ^2/NDF : 1794842889484232
 Out: -1194.883+/-0.000 χ^2/NDF : 18629471707312
 All: 16.944+/-0.000 χ^2/NDF : 4123318495094

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



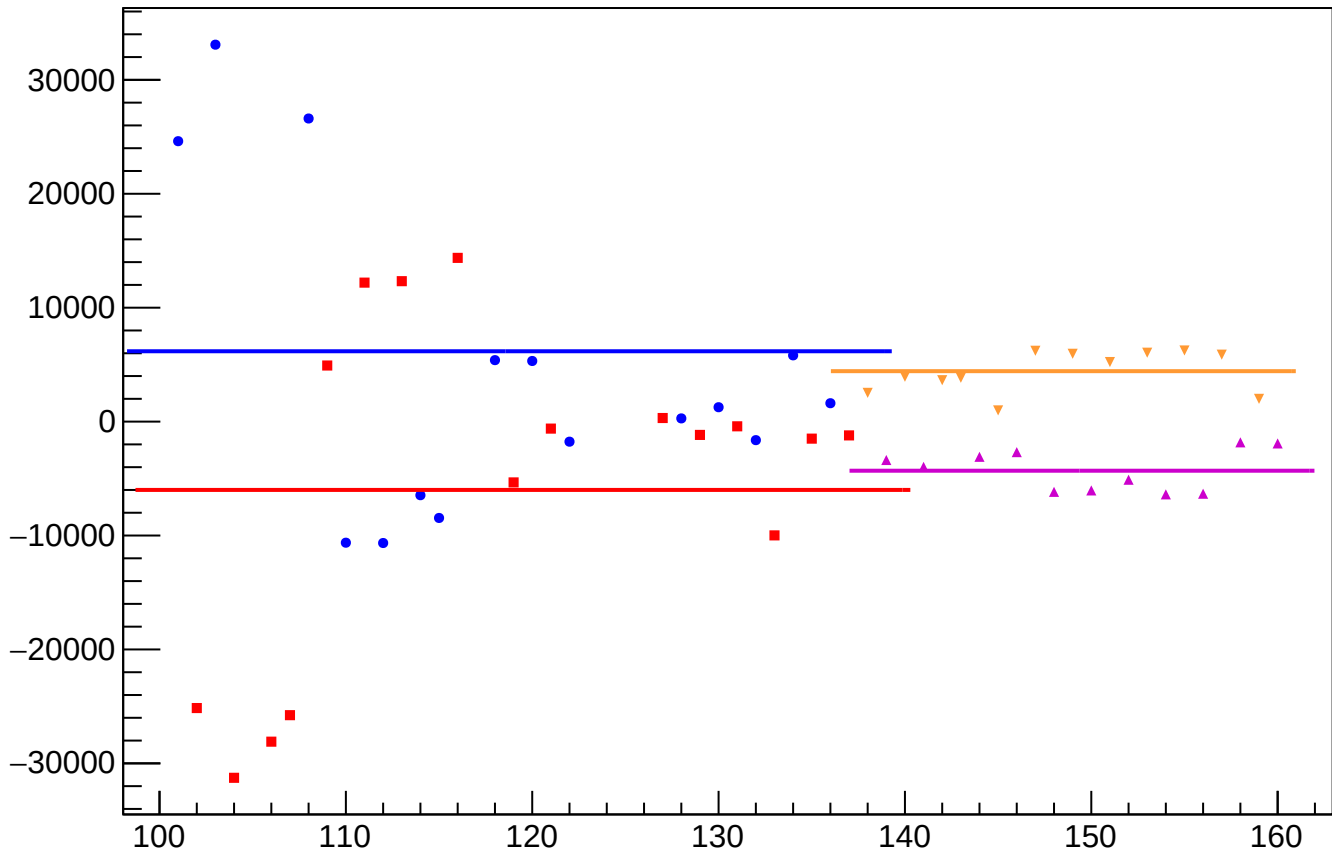
Right In: 113.134 +/- 0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14
 Left Out: 25.204 +/- 0.000 χ^2/NDF : 35340998729966912863138320392126464.0/11
 Right Out: -98.833 +/- 0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15
 Left In: -26.331 +/- 0.000 χ^2/NDF : 18142873408814573481950758043648000.0/10
 All: 1.969 +/- 0.000 χ^2/NDF : 31584425444526

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



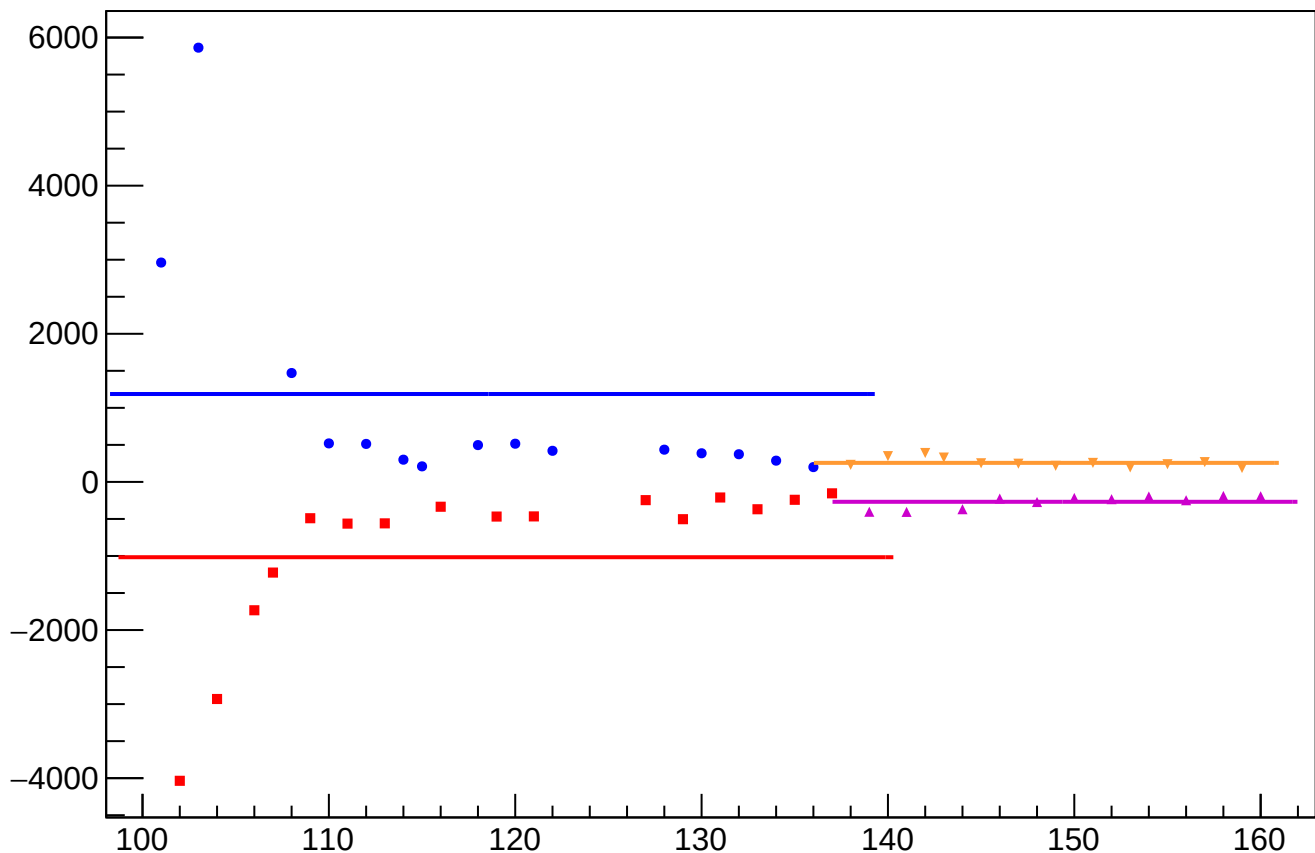
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam2_coil6_mean vs Slug, Sign Corrected



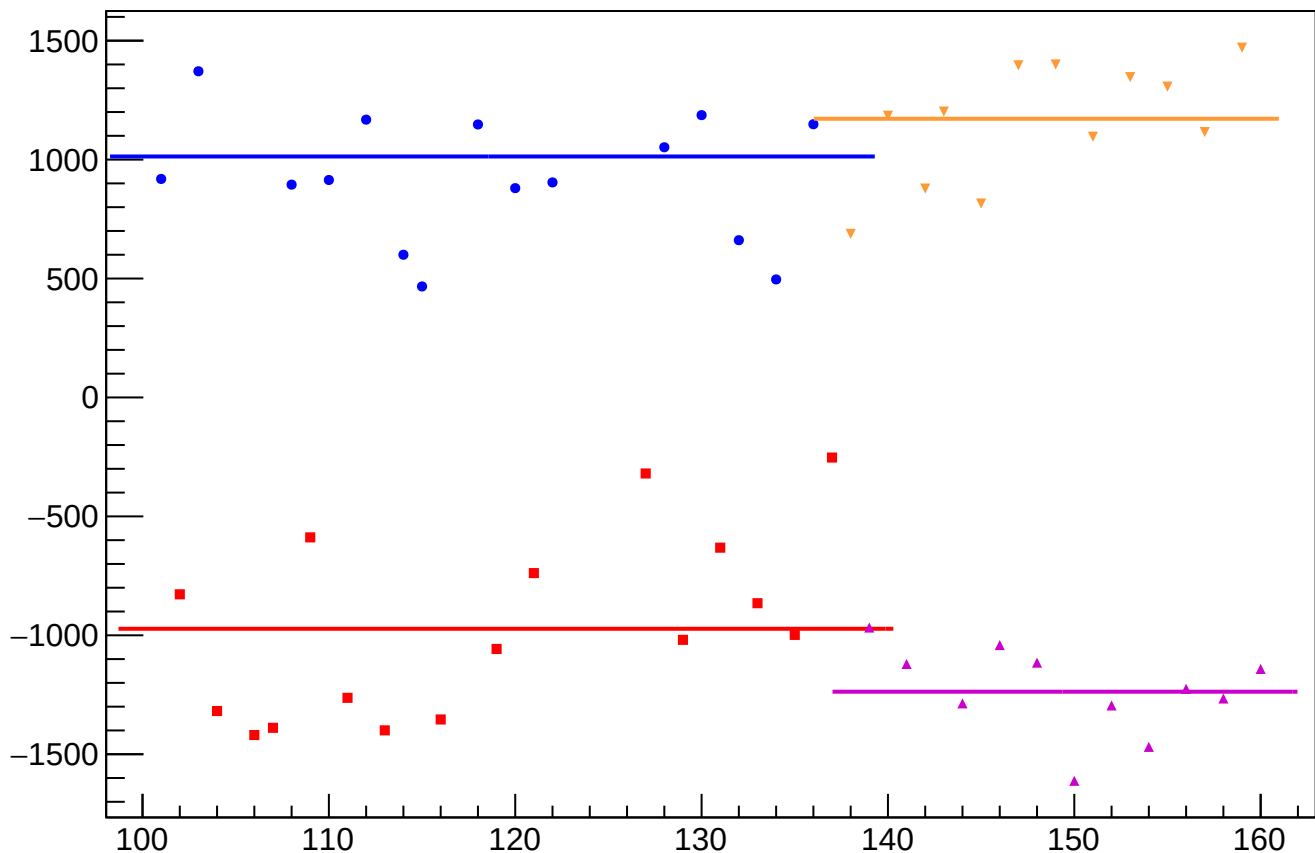
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4428.101+/-0.000 χ^2/NDF : 2900138976874387724183278190835470958592.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.962+/-0.000 χ^2/NDF : 3437312552543

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



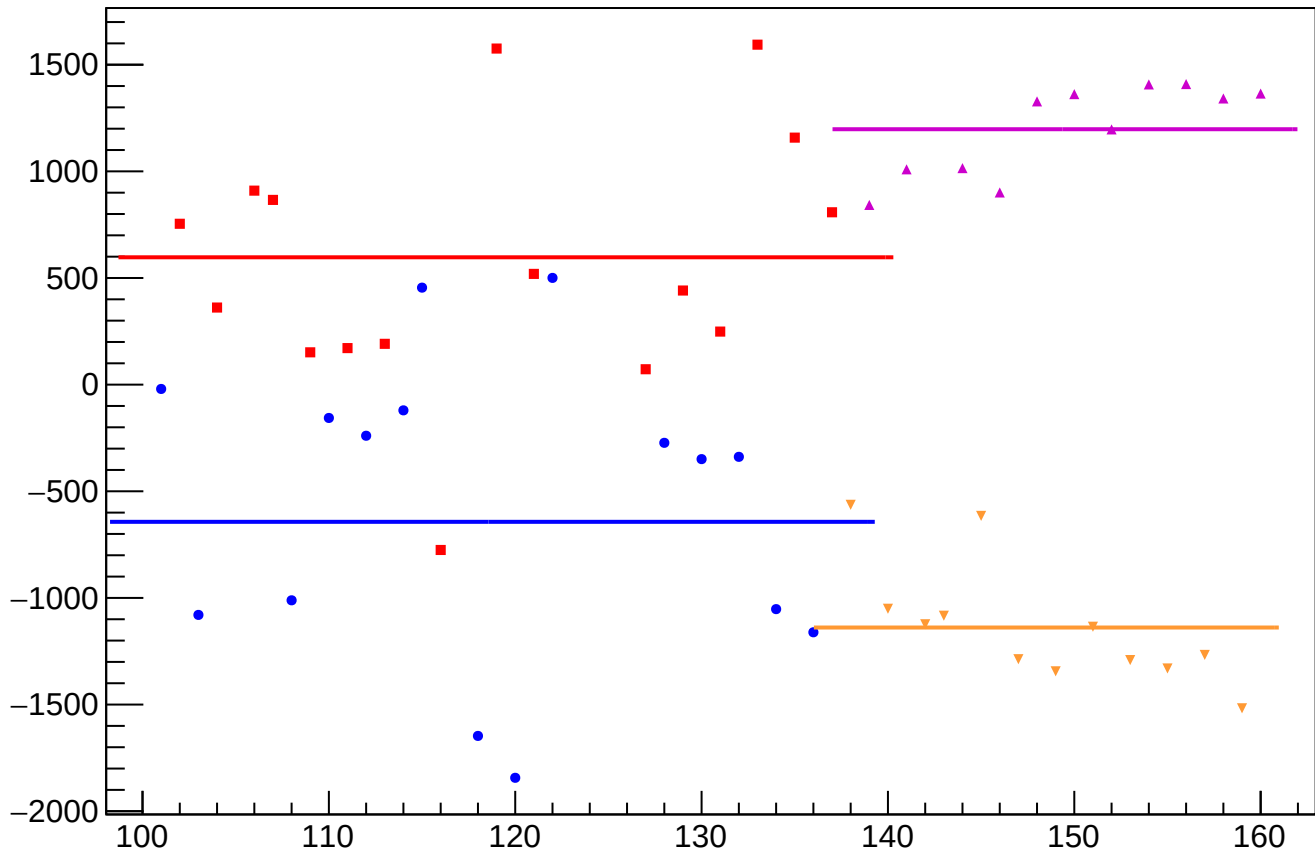
Right In: 1186.846+/-0.000 χ^2/NDF : 1796463312802023303623210264680353234944.0/14
 Left Out: 257.255+/-0.000 χ^2/NDF : 2781253601465669157863687249484316672.0/11
 Right Out: -1016.732+/-0.000 χ^2/NDF : 927646003466094249558391691024825057280.0/15
 Left In: -268.493+/-0.000 χ^2/NDF : 5855734975706547823556607966386847744.0/10
 All: 25.094+/-0.000 χ^2/NDF : 4461548431254

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

Left Out: -1138.759+/-0.000

Right Out: 597.043+/-0.000

Left In: 1197.503+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

χ^2/NDF : 71006185953424254270590791718170263552.0/11

χ^2/NDF : 210733370798031449363504004319005376512.0/15

χ^2/NDF : 38624722141560961102710570239066636288.0/10

Left: 35.728+/-0.000 χ^2/NDF : 26175621969941425

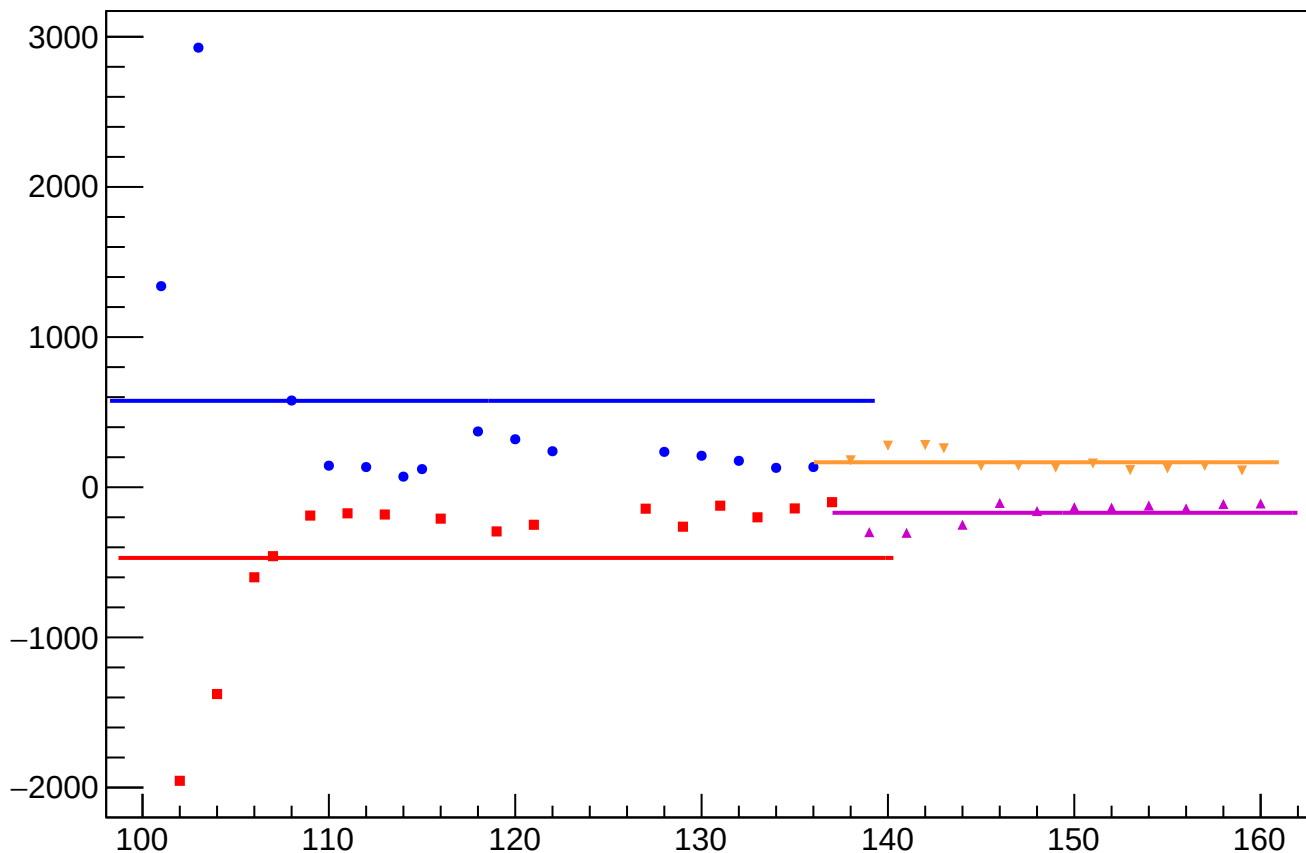
Right: -14.605+/-0.000 χ^2/NDF : 989448118075246

In: 438.045+/-0.000 χ^2/NDF : 1603056987163828

Out: -406.450+/-0.000 χ^2/NDF : 144356337261443

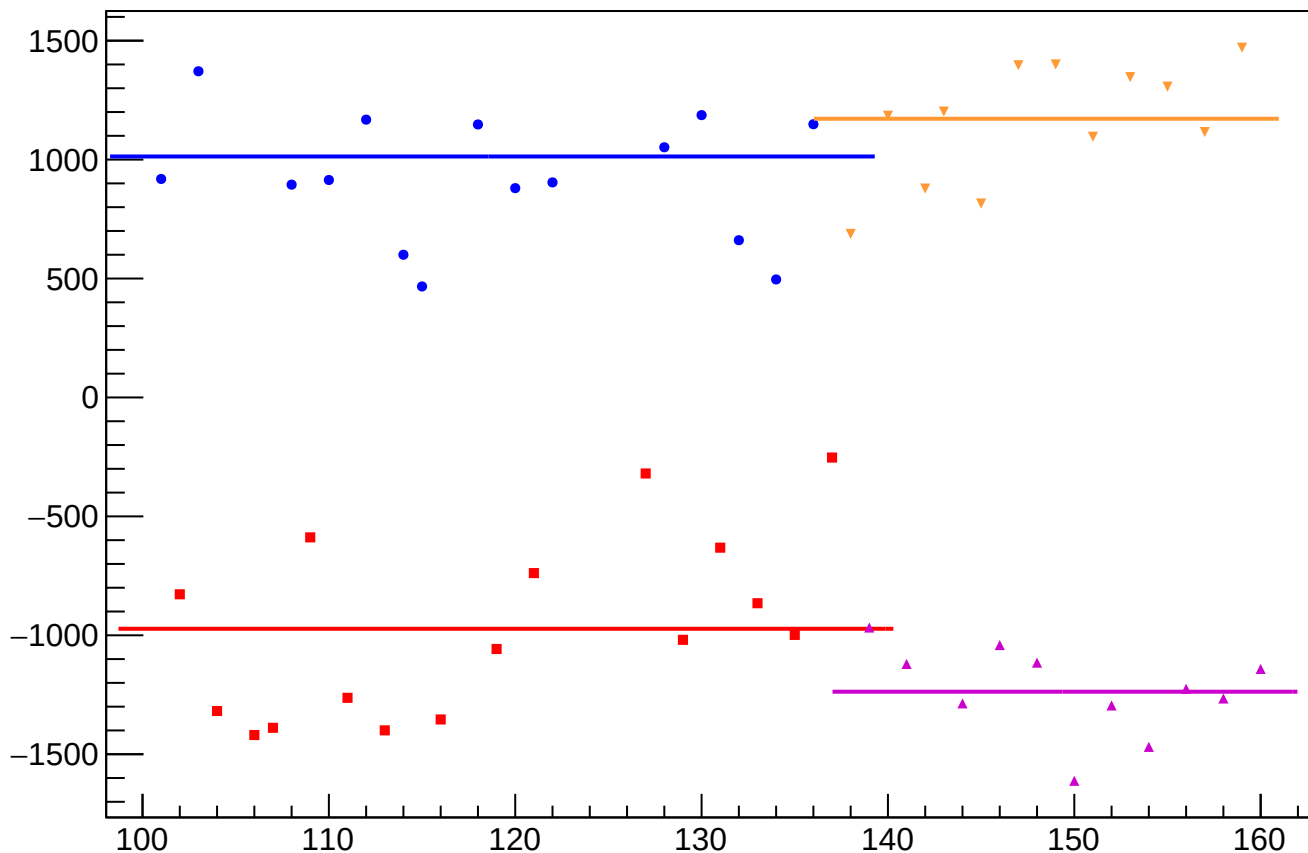
All: 14.726+/-0.000 χ^2/NDF : 3608953170188

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 166.360+/-0.000 χ^2/NDF : 3052716209295405049807129095543193600.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.262+/-0.000 χ^2/NDF : 1063737364413

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

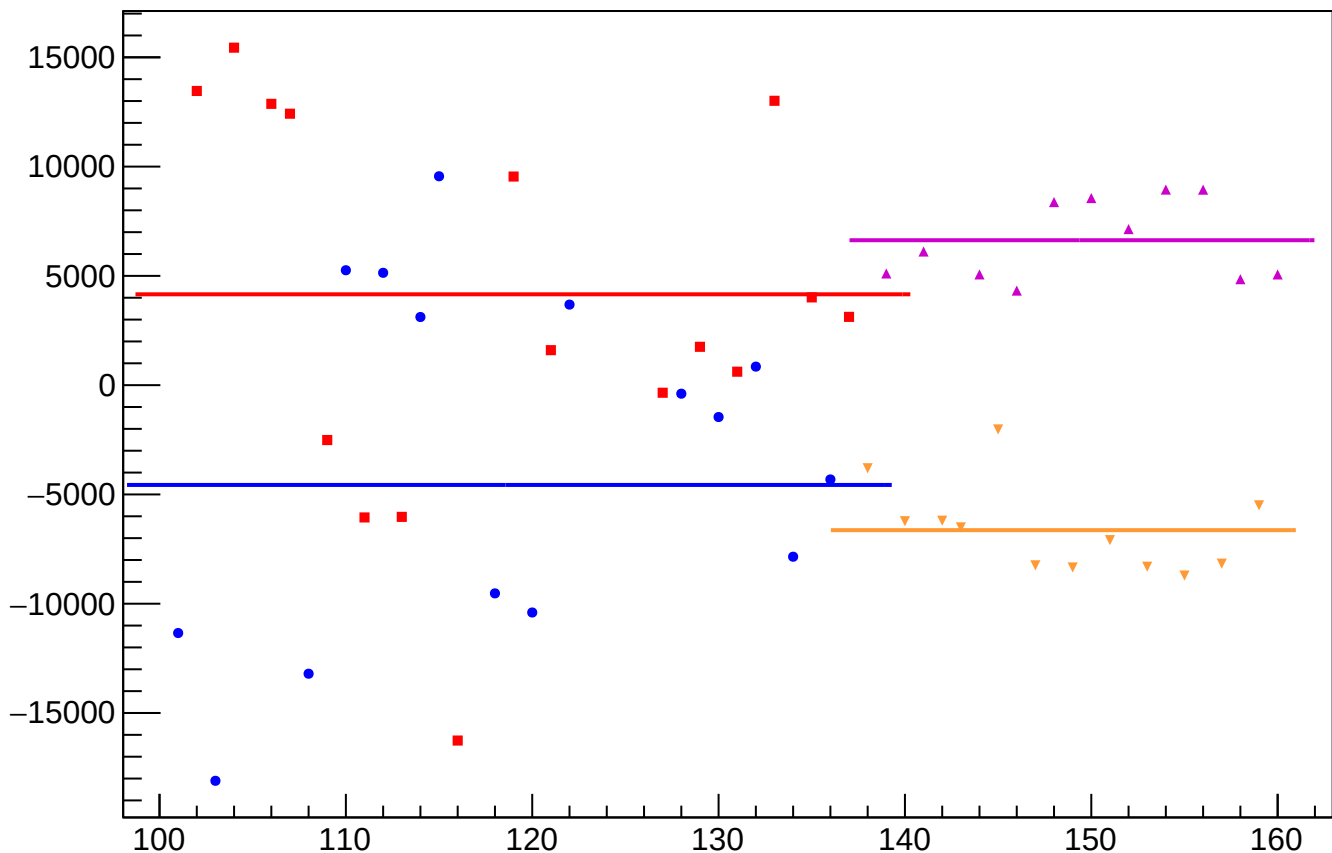
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

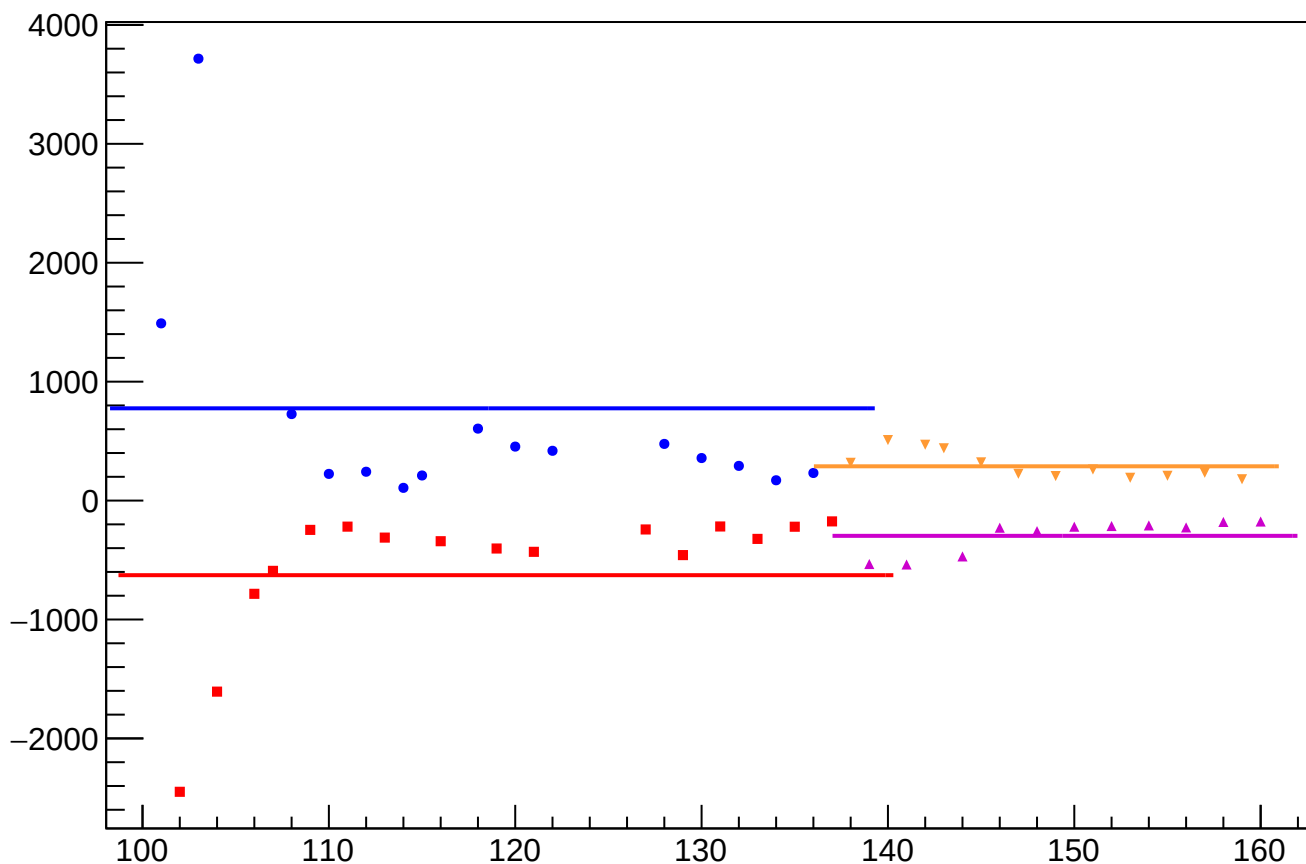
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam4_coil6_mean vs Slug, Sign Corrected



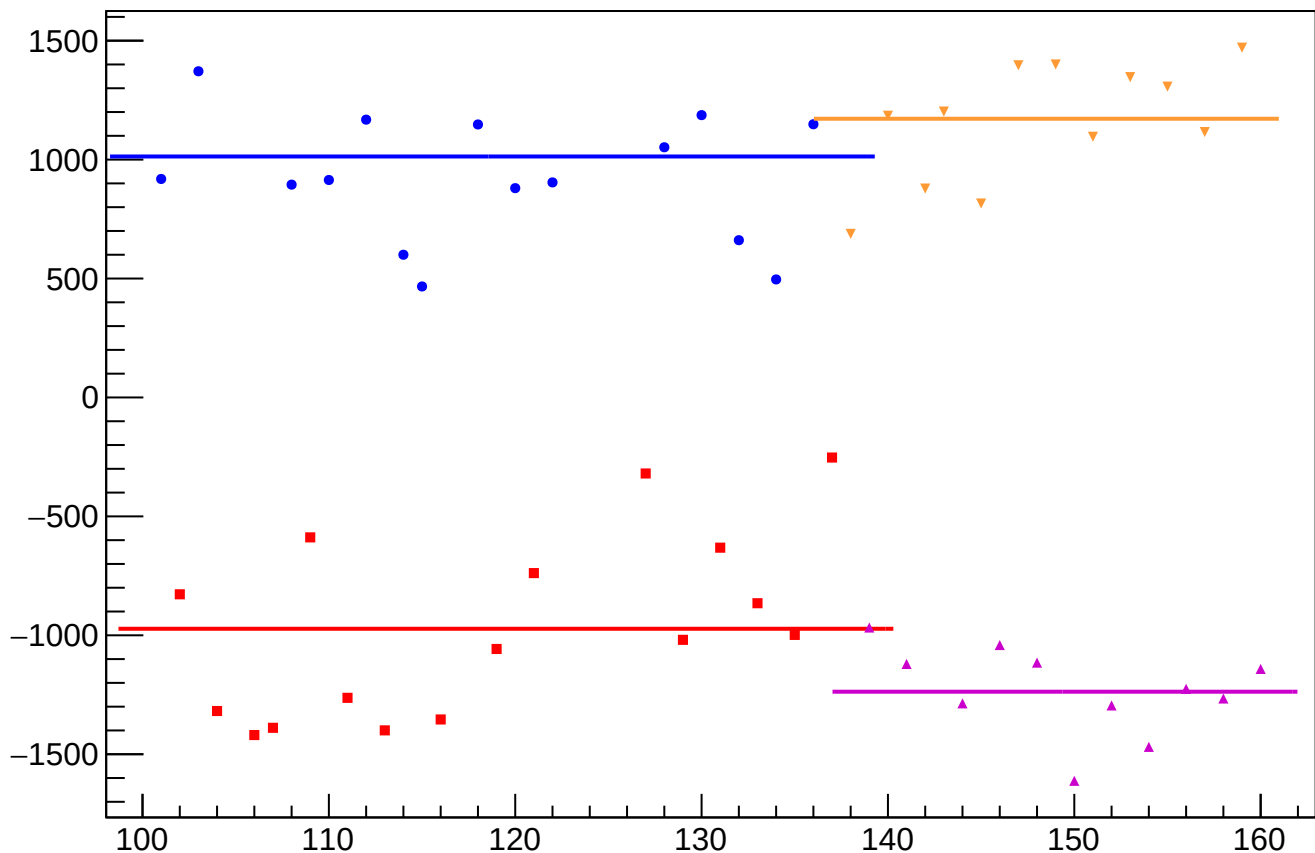
Right In: -4565.412 $\pm$ 0.000 χ^2 /NDF: 35667768247432289984899042725155487875072.0/14
 Left Out: -6634.457 $\pm$ 0.000 χ^2 /NDF: 3640150880403299784339543756995645407232.0/11
 Right Out: 4156.859 $\pm$ 0.000 χ^2 /NDF: 45539455441659927157708443099930682195968.0/15
 Left In: 6631.377 $\pm$ 0.000 χ^2 /NDF: 2831140540306304869921468245145345327104.0/10
 All: -40.212 $\pm$ 0.000 χ^2 /NDF: 193589617431

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



Right In: 775.824 +/- 0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Left Out: 288.226 +/- 0.000 χ^2/NDF : 10607349218435095296400376728725225472.0/11
 Right Out: -627.315 +/- 0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Left In: -296.514 +/- 0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.637 +/- 0.000 χ^2/NDF : 1775565410854

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

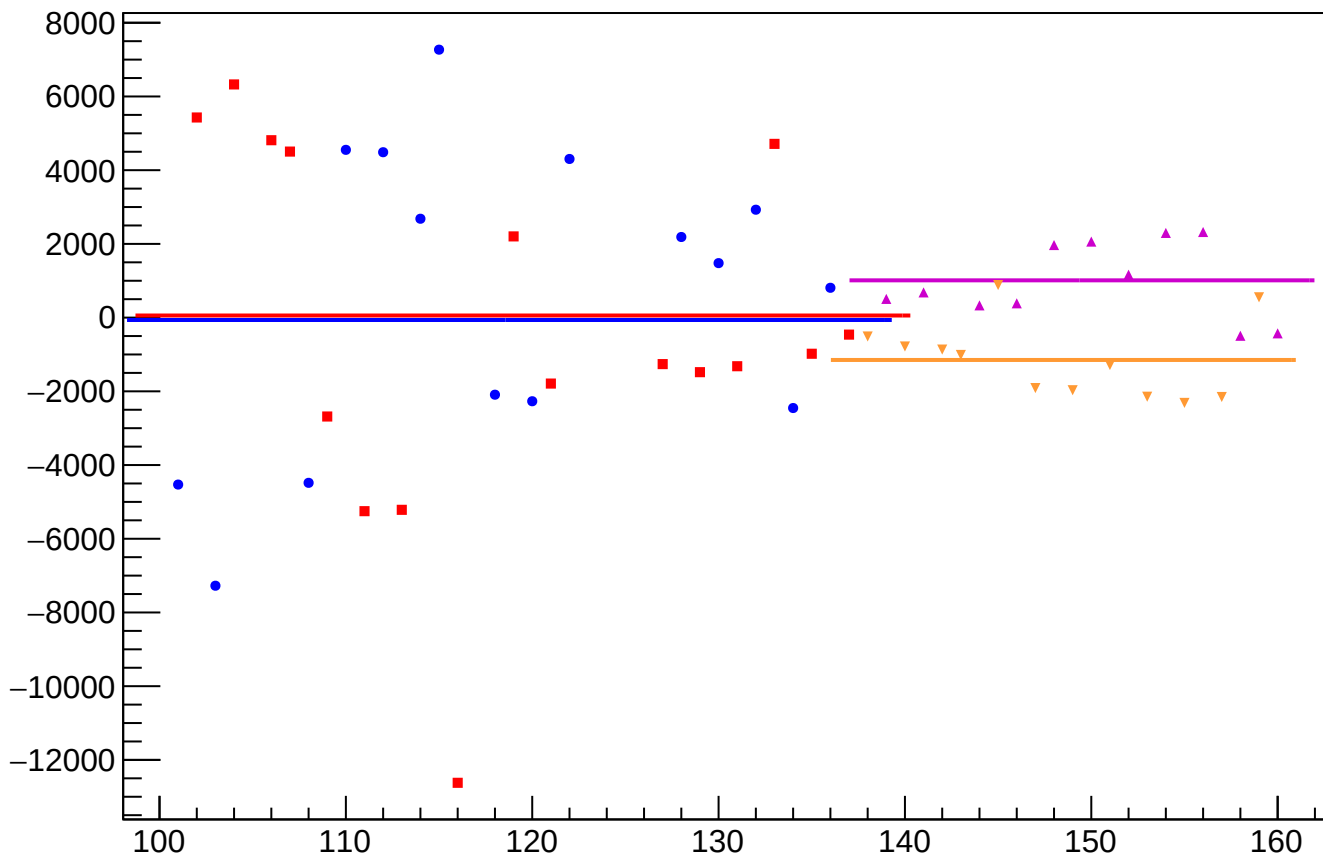
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam5_coil6_mean vs Slug, Sign Corrected



Right In: -64.751+/-0.000

χ²/NDF: 9614223448851814191683817349989558910976.0/14

Left Out: -1149.036+/-0.000

χ²/NDF: 977384281251527862797157265716912586752.0/11

Right Out: 57.229+/-0.000

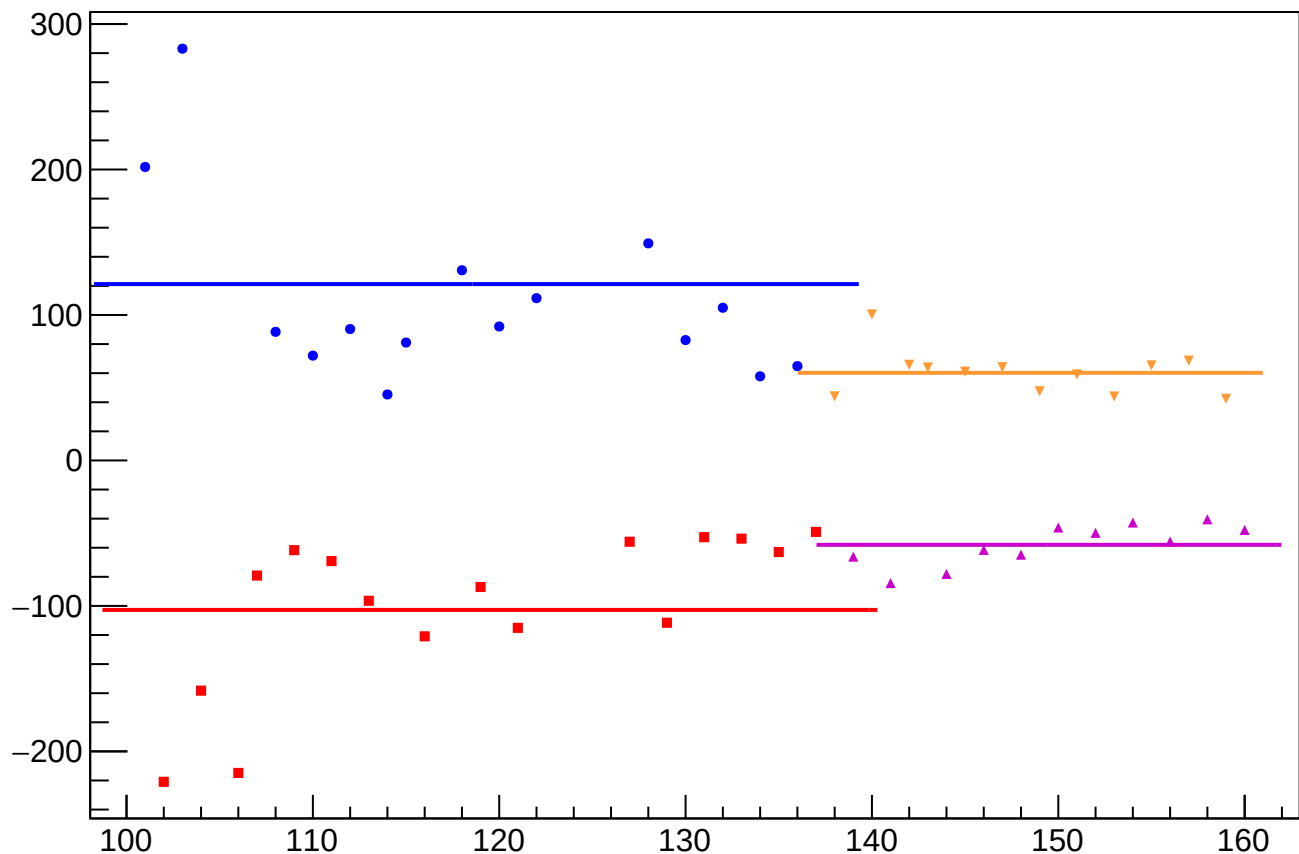
χ²/NDF: 13780958977008702301942505454387177979904.0/15

Left In: 1011.284+/-0.000

χ²/NDF: 903909408421874171739001543159795679232.0/10

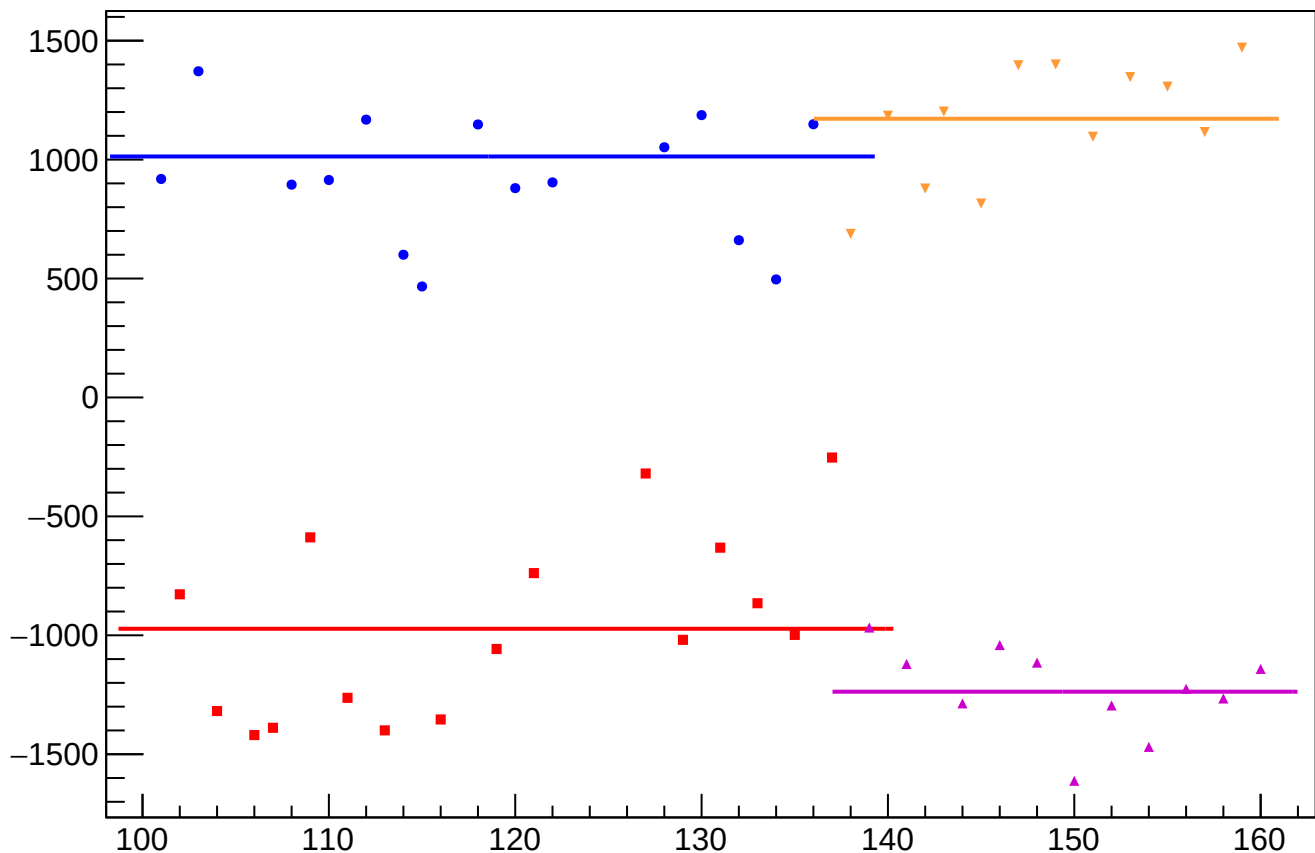
All: -37.934+/-0.000 χ²/NDF: 274285540726

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.239+/-0.000 χ^2/NDF : 225102554491032869548797845500329984.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.678+/-0.000 χ^2/NDF : 28056421642135

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

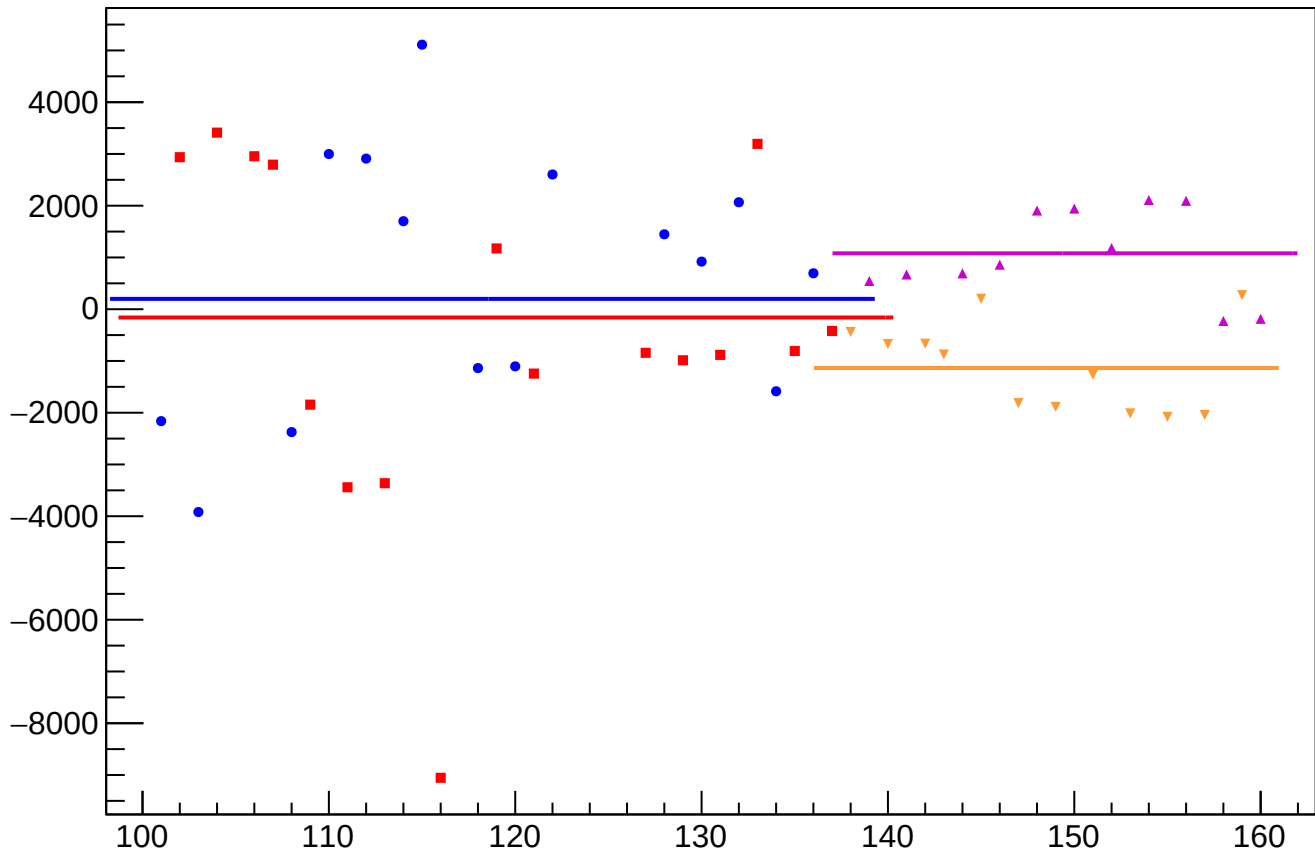
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

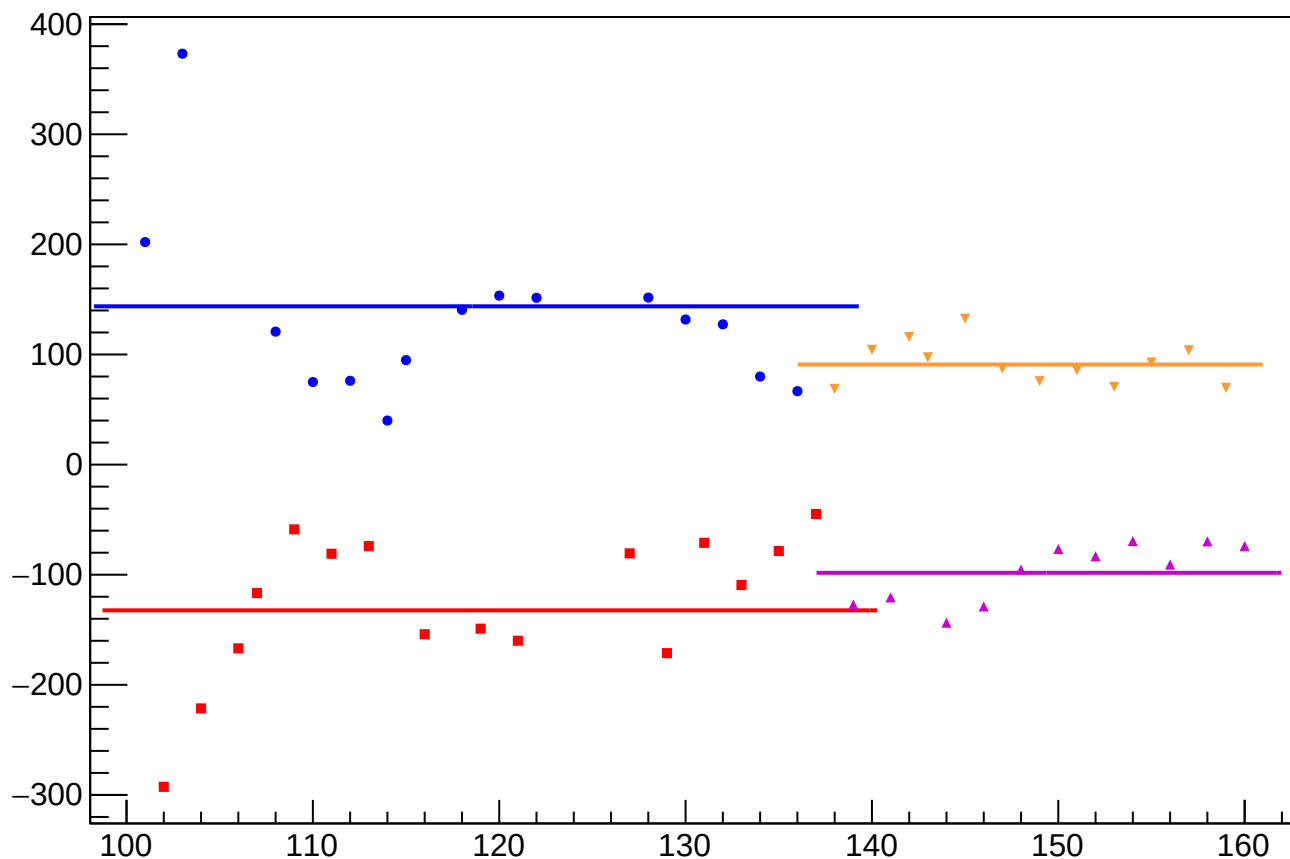
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam6_coil6_mean vs Slug, Sign Corrected



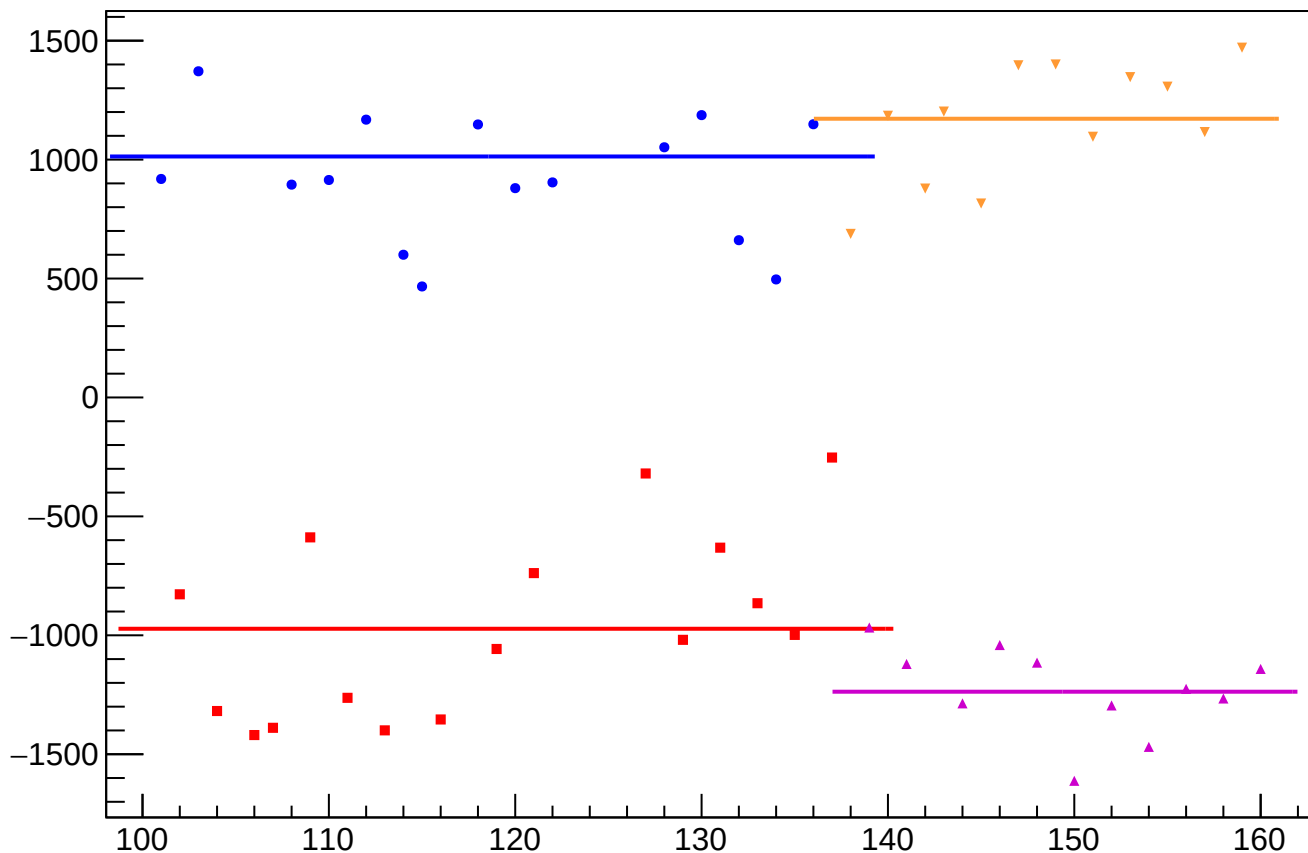
Right In: 199.503+/-0.000 χ^2/NDF : 3268159745923533825045181664876849790976.0/14
 Left Out: -1135.455+/-0.000 χ^2/NDF : 654697592596579349133010058178925166592.0/11
 Right Out: -160.512+/-0.000 χ^2/NDF : 5680576709461197901526729703706251493376.0/15
 Left In: 1079.555+/-0.000 χ^2/NDF : 614734398575877452858032752710912049152.0/10
 All: -5.669+/-0.000 χ^2/NDF : 1251632905272

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



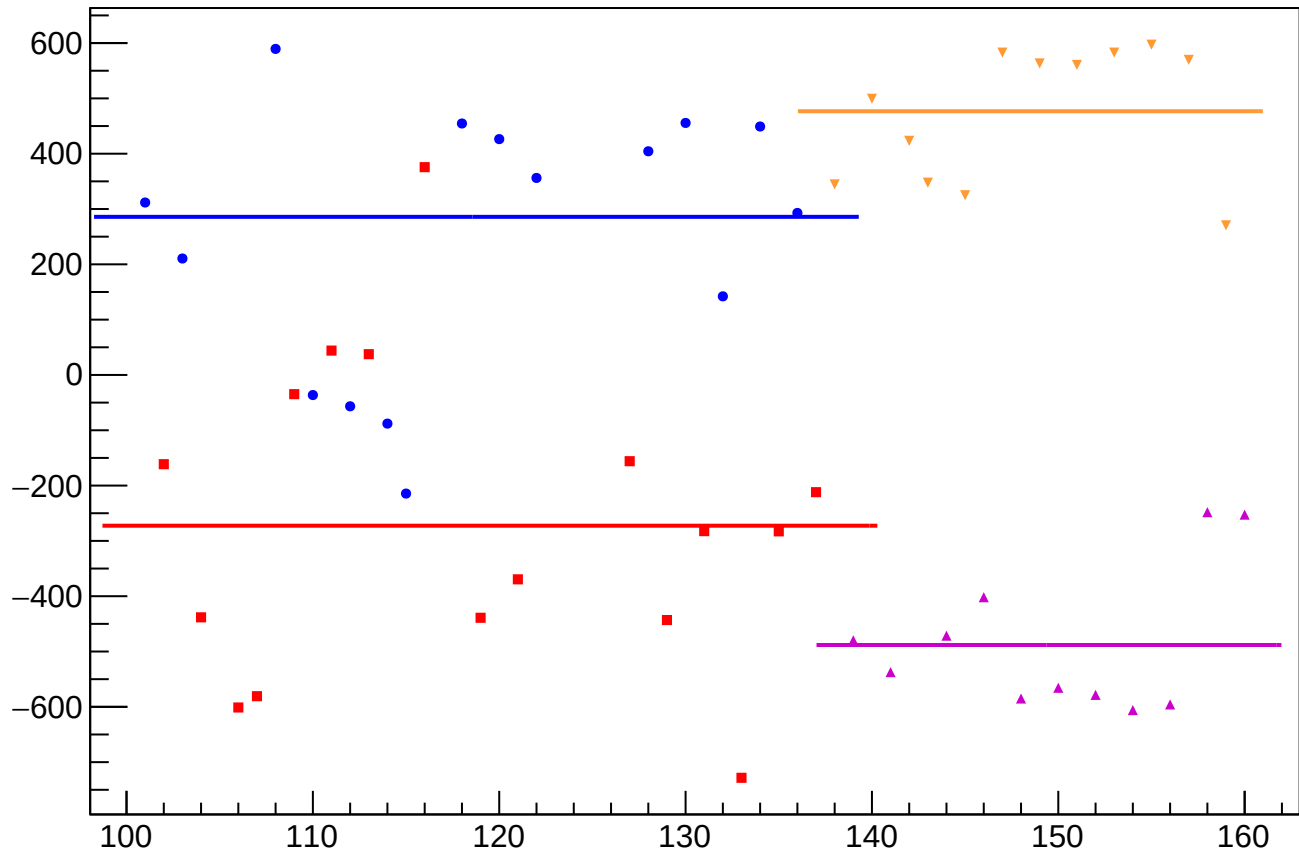
Left: -4.202 ± 0.000 $\chi^2/\text{NDF}: 17384612750229045$
 Right In: 143.764 ± 0.000 $\chi^2/\text{NDF}: 4514785869565777849900508591821946880.0/14$
 Right: 3.823 ± 0.000 $\chi^2/\text{NDF}: 32765016379949297$
 Left Out: 90.882 ± 0.000 $\chi^2/\text{NDF}: 326242734851411629220497356388040704.0/11$
 In: 1.598 ± 0.000 $\chi^2/\text{NDF}: 2746595414560194970$
 Right Out: -132.341 ± 0.000 $\chi^2/\text{NDF}: 3174087908796245287682359914282352640.0/15$
 Out: -3.293 ± 0.000 $\chi^2/\text{NDF}: 22714212497857002$
 Left In: -98.257 ± 0.000 $\chi^2/\text{NDF}: 620993776773093393033369428470792192.0/10$
 All: -0.854 ± 0.000 $\chi^2/\text{NDF}: 5019902274084$

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



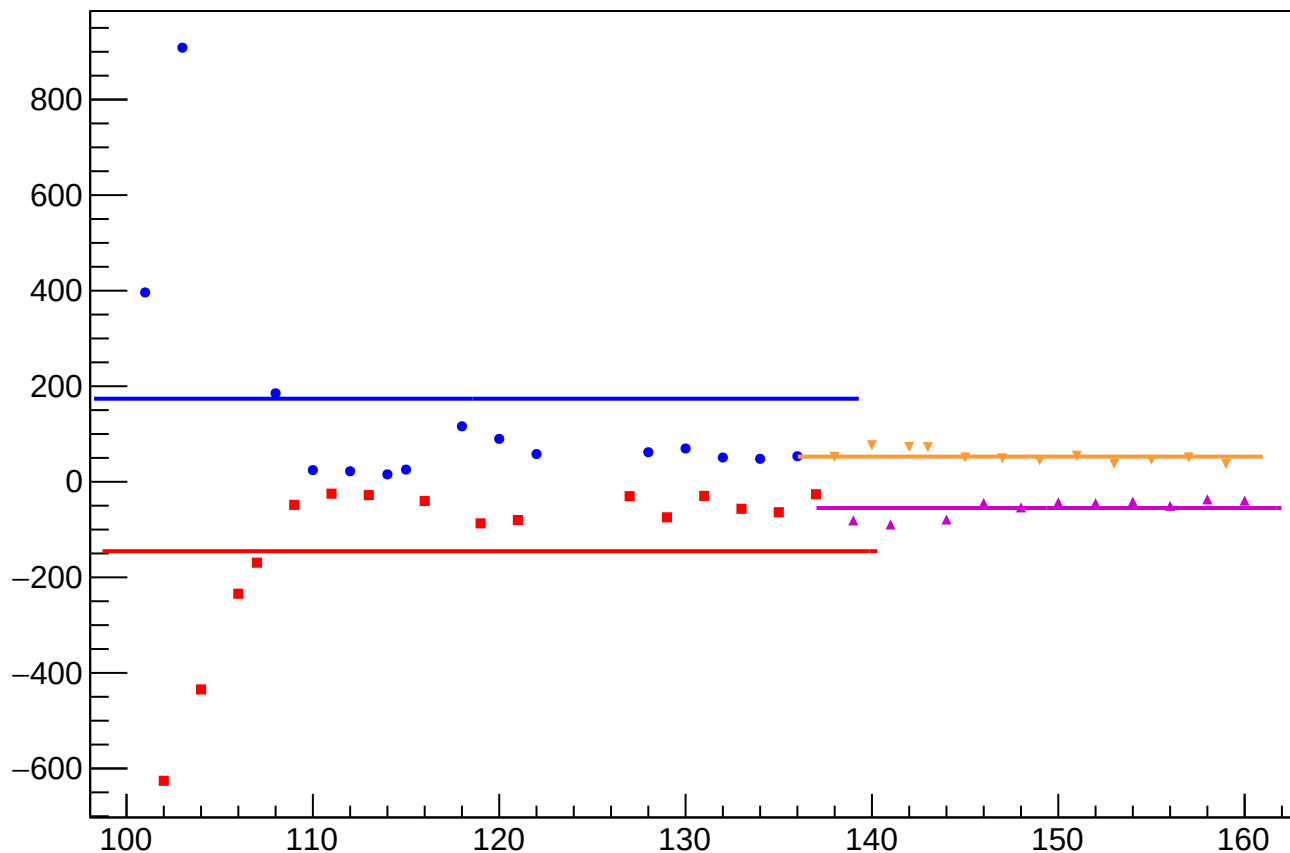
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam7_coil6_mean vs Slug, Sign Corrected



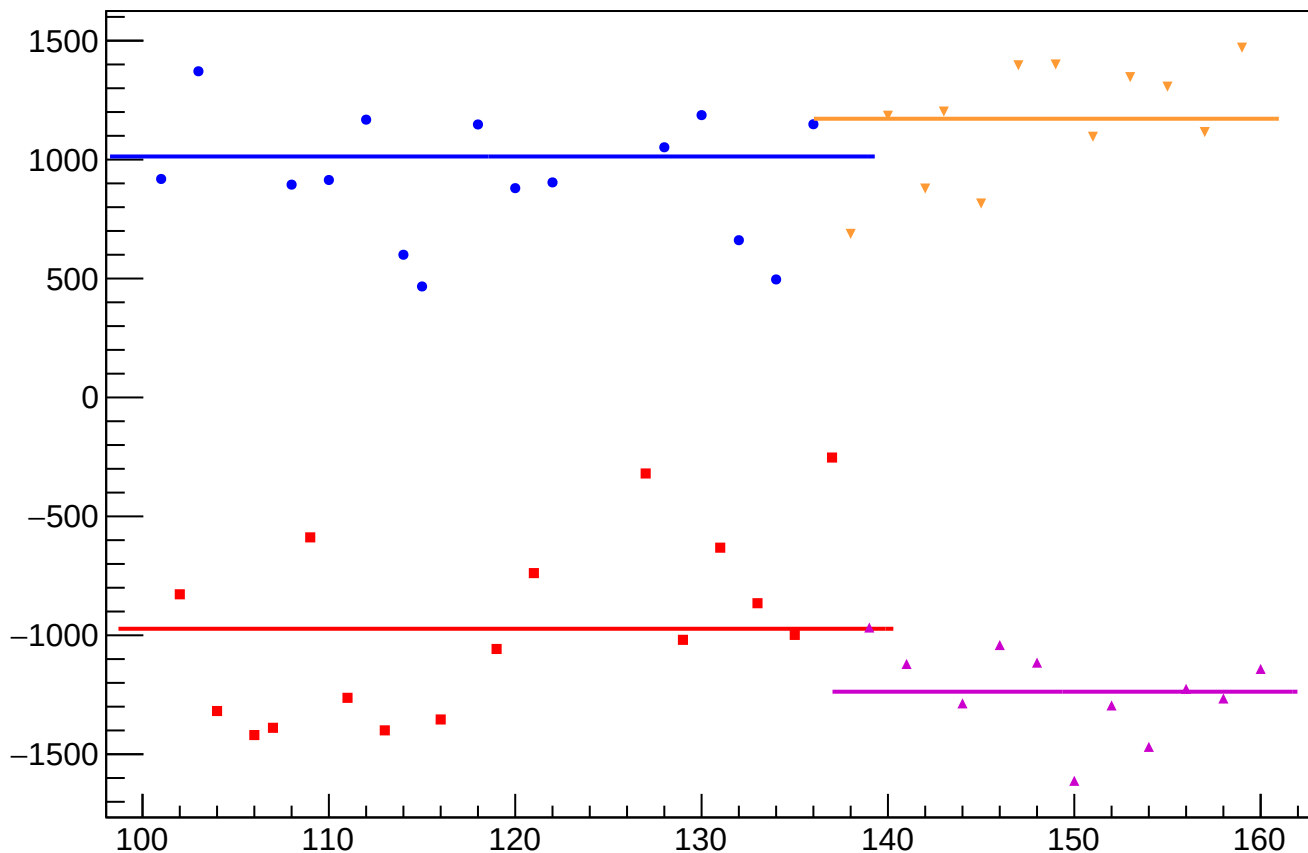
Right In: 285.856+/-0.000 χ^2/NDF : 24108244802355530064663311301086281728.0/14
 Left Out: 476.795+/-0.000 χ^2/NDF : 12695994824288000465906190934597435392.0/11
 Right Out: -272.539+/-0.000 χ^2/NDF : 44149952665075593650338713333575712768.0/15
 Left In: -488.203+/-0.000 χ^2/NDF : 13828831980358883653289432391973076992.0/10
 All: -3.669+/-0.000 χ^2/NDF : 6253273590333

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



Left: -1.410 +/- 0.000 χ^2/NDF : 57550913372035412
 Right: 12.139 +/- 0.000 χ^2/NDF : 9772897307710637
 Right In: 173.871 +/- 0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Left Out: 52.656 +/- 0.000 χ^2/NDF : 140159423385887976692066167541465088.0/11
 Right Out: -145.228 +/- 0.000 χ^2/NDF : 22529615719408594720785265744437837824.0/15
 Out: -30.828 +/- 0.000 χ^2/NDF : 3776923807481634
 Left In: -54.891 +/- 0.000 χ^2/NDF : 300358274506113612486338175884591104.0/10
 All: 4.243 +/- 0.000 χ^2/NDF : 10362485342555

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

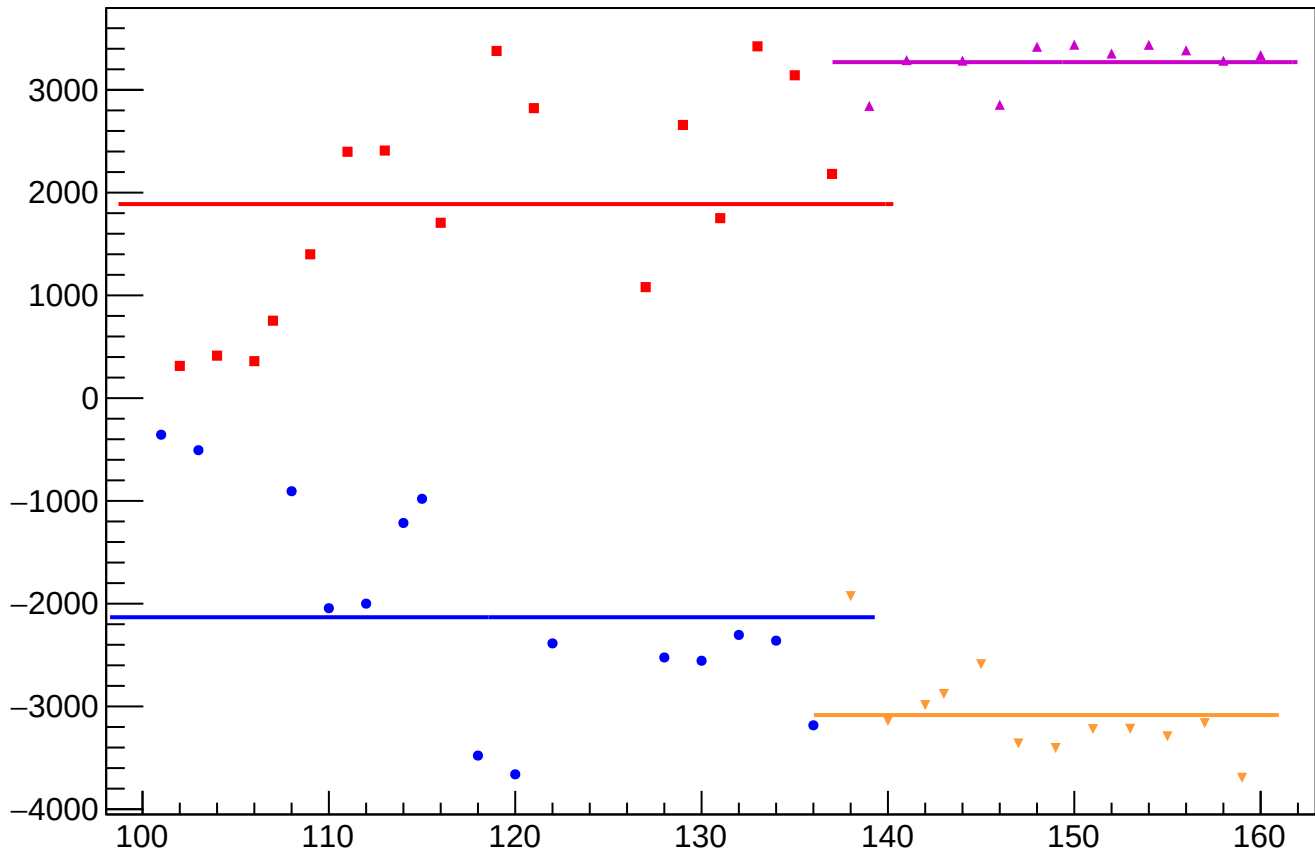
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2131.905+/-0.000

Left Out: -3083.729+/-0.000

Right Out: 1888.448+/-0.000

Left In: 3269.755+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 178322677856663824149309206068860026880.0/11

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 38098096180391062431092176239781216256.0/10

Left: 110.297+/-0.000 χ^2/NDF : 1876439765485971

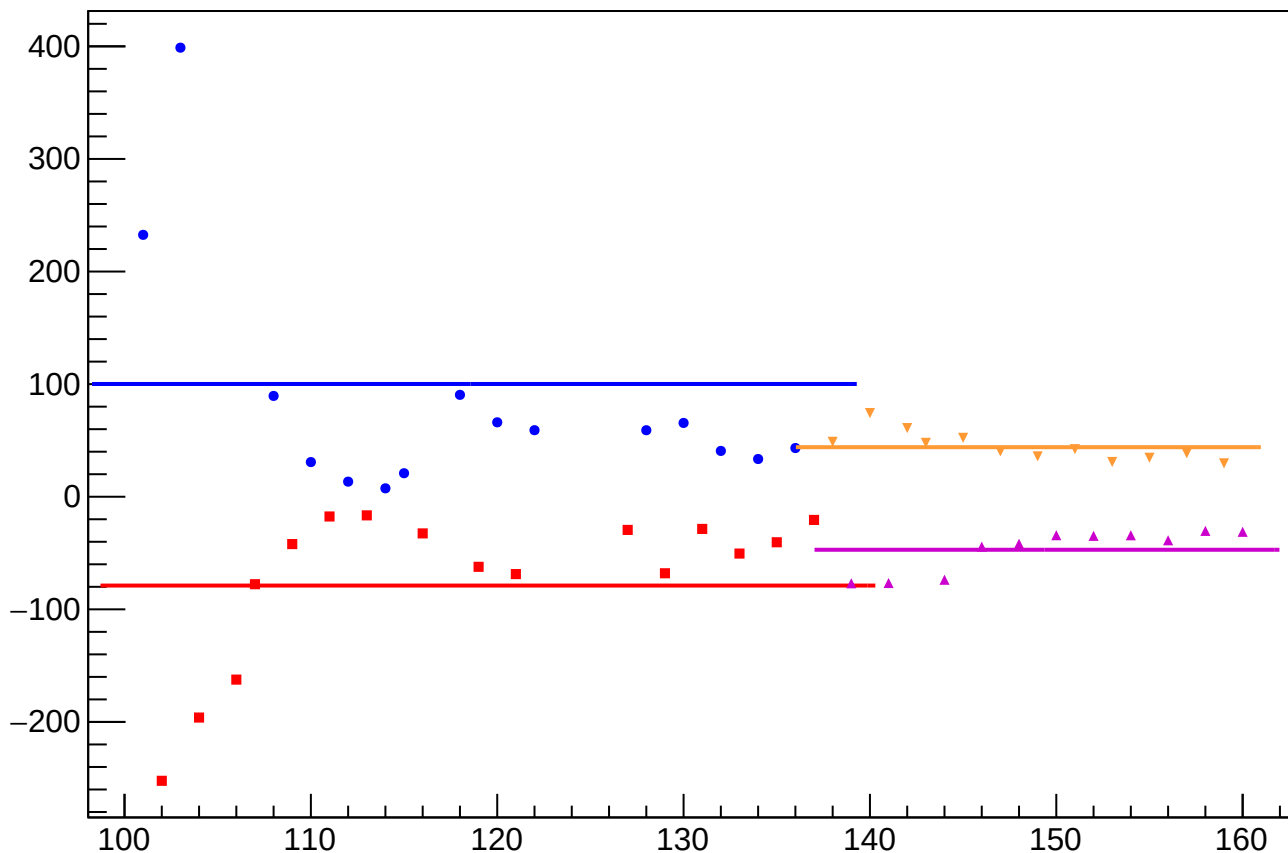
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 1188405782367471

Out: -986.042+/-0.000 χ^2/NDF : 105033900940683

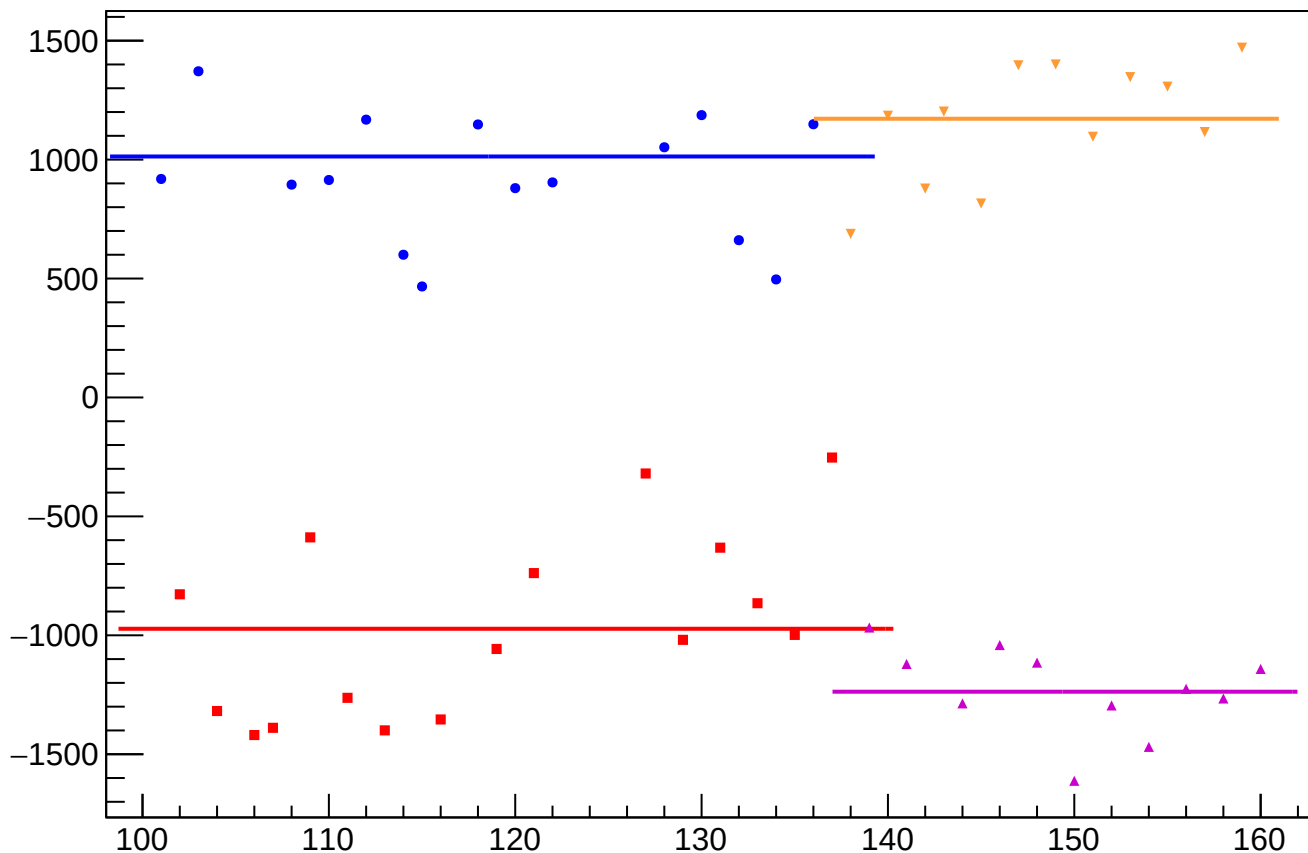
All: 24.957+/-0.000 χ^2/NDF : 2562760992420

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



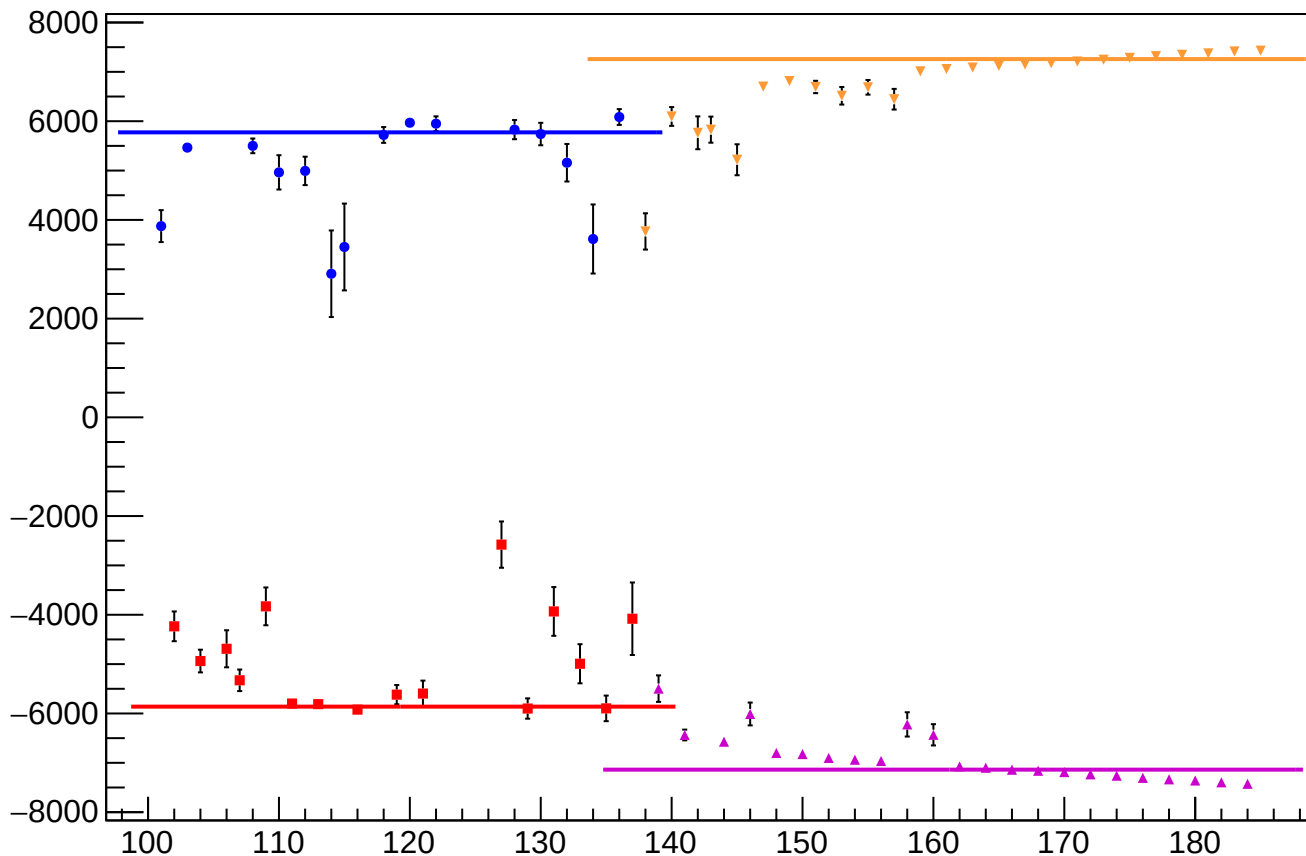
Right In: 100.135 +/- 0.000 χ^2/NDF : 7813910768784473081480373577053110272.0/14
 Left Out: 43.994 +/- 0.000 χ^2/NDF : 144038877087981194806470678002270208.0/11
 Right Out: -78.881 +/- 0.000 χ^2/NDF : 3525129078433901202304301512966275072.0/15
 Left In: -47.092 +/- 0.000 χ^2/NDF : 302550156086866534805447117402800128.0/10
 All: 2.876 +/- 0.000 χ^2/NDF : 26235515689479

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117+/-0.181 χ^2/NDF : 1828526.5/14

Left Out: 7258.636+/-0.092 χ^2/NDF : 4237941.4/24

Right Out: -5861.461+/-0.140 χ^2/NDF : 180020.4/15

Left In: -7137.987+/-0.098 χ^2/NDF : 4549121.8/22

Left: 544.300+/-0.067 χ^2/NDF : 11467691043.9/47

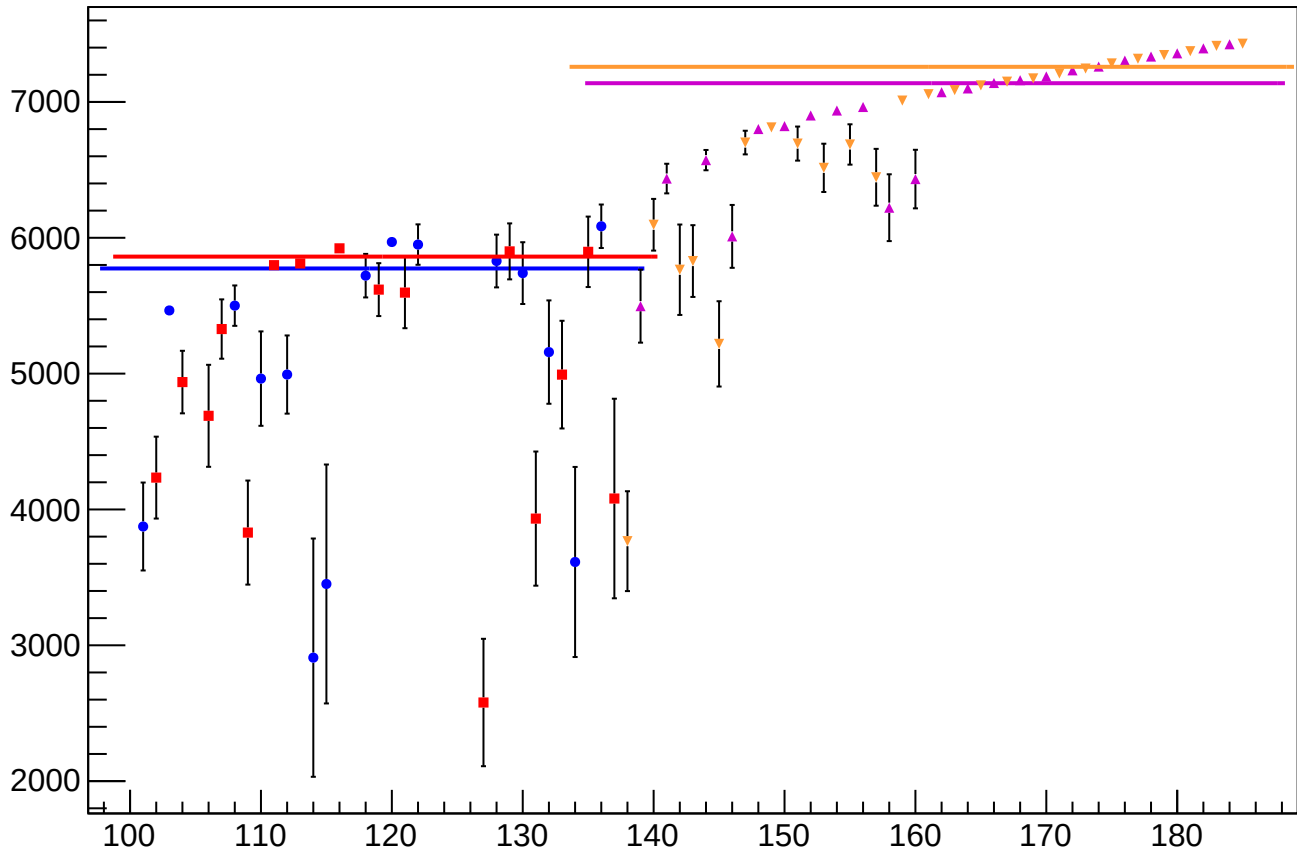
Right: -1536.191+/-0.111 χ^2/NDF : 2585354230.9/30

In: -4211.004+/-0.086 χ^2/NDF : 3922075931.5/37

Out: 3294.134+/-0.077 χ^2/NDF : 6170438889.1/40

All: -15.116+/-0.057 χ^2/NDF : 14311598667.5

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117+/-0.181 χ^2/NDF : 1828526.5/14

Left Out: 7258.636+/-0.092 χ^2/NDF : 4237941.4/24

Right Out: 5861.461+/-0.140 χ^2/NDF : 180020.4/15

Left In: 7137.987+/-0.098 χ^2/NDF : 4549121.8/22

Left: 7202.367+/-0.067 χ^2/NDF : 9591818.2/47

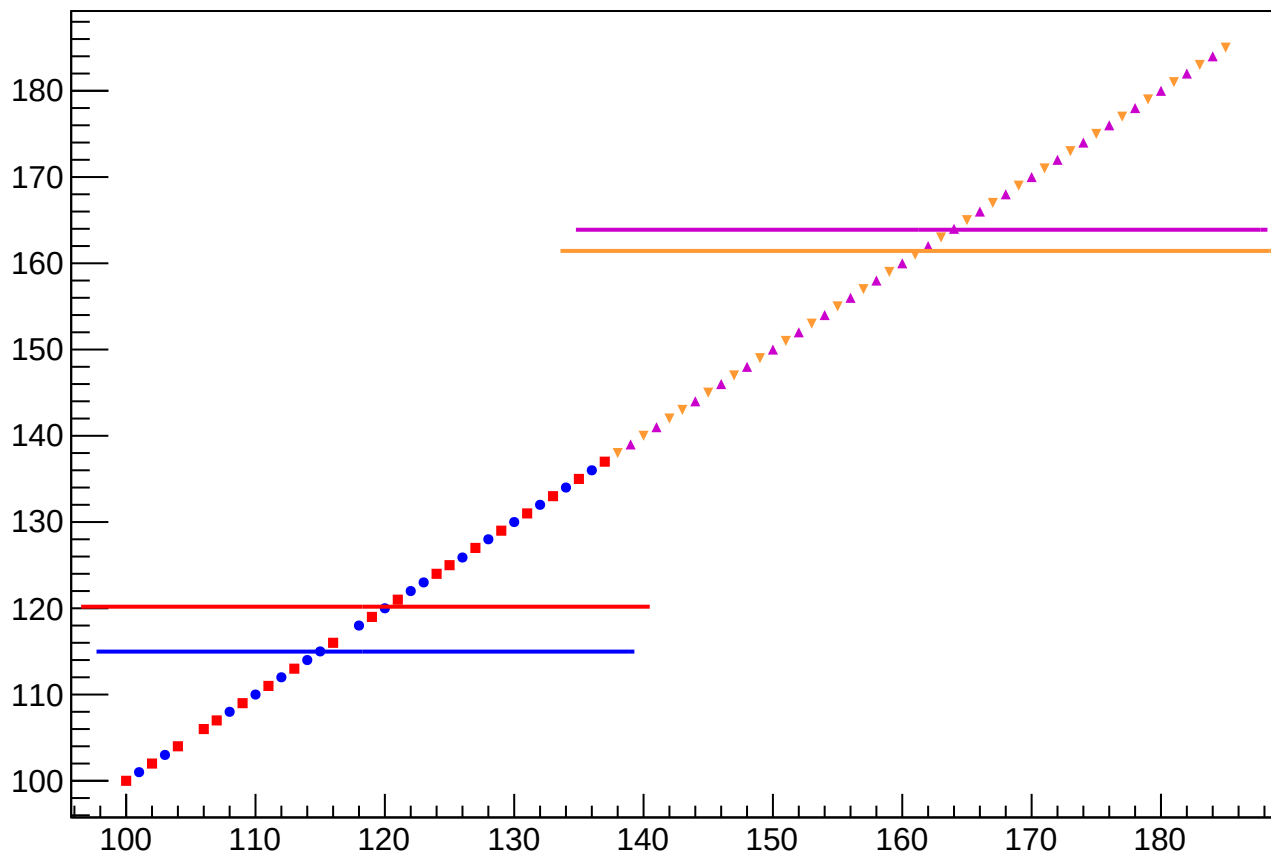
Right: 5828.993+/-0.111 χ^2/NDF : 2154118.4/30

In: 6828.818+/-0.086 χ^2/NDF : 50065585.8/37

Out: 6836.451+/-0.077 χ^2/NDF : 74342923.0/40

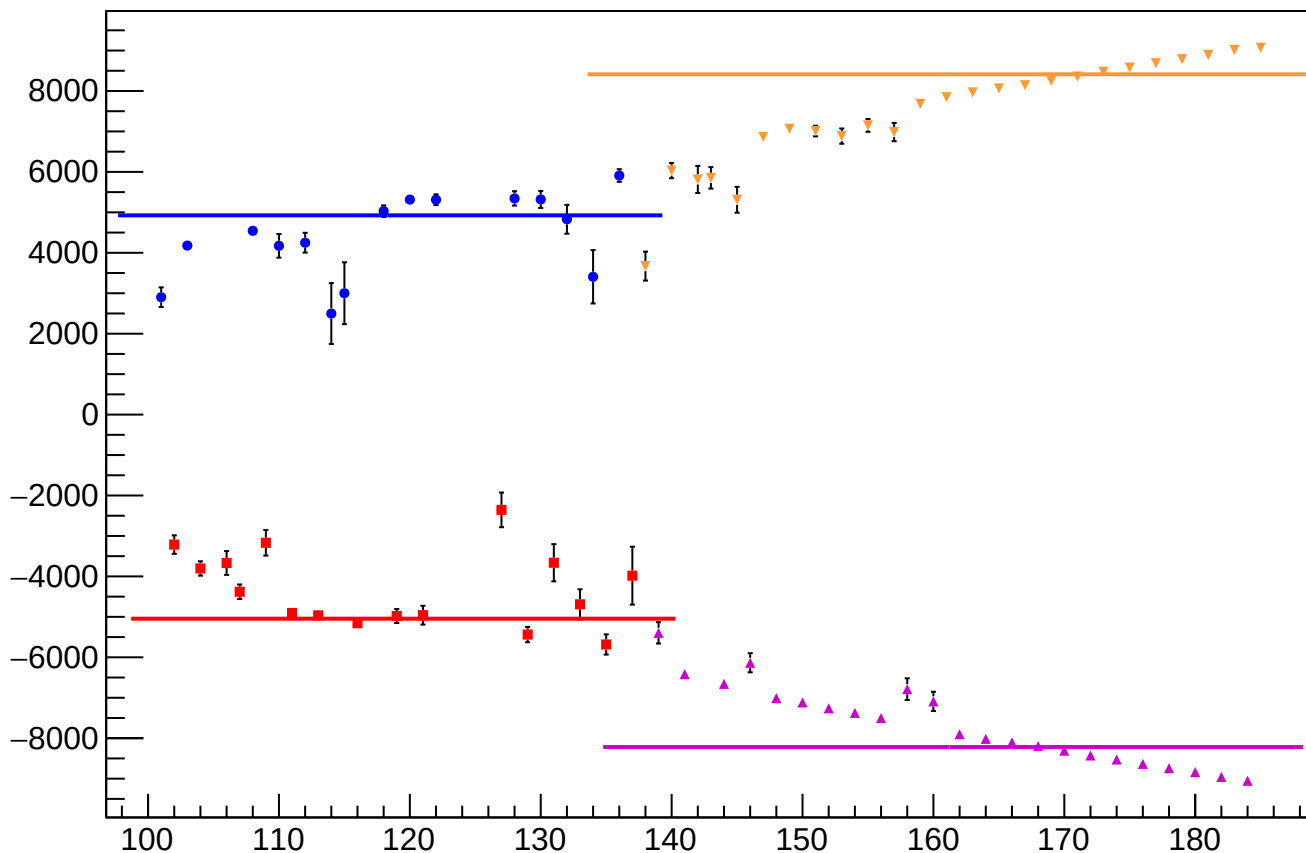
All: 6833.085+/-0.057 χ^2/NDF : 124412873.1

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000	χ^2/NDF : 112344936246012934714934440230912.0/16	Left: 162.851+/-0.000	χ^2/NDF : 3540465111321937
Left Out: 161.437+/-0.000	χ^2/NDF : 144351415086772086919986205949952.0/24	Right: 117.096+/-0.000	χ^2/NDF : 180832885295768
Right Out: 120.186+/-0.000	χ^2/NDF : 52233253644261695528198041763840.0/18	In: 138.150+/-0.000	χ^2/NDF : 19909207355439177
Left In: 163.890+/-0.000	χ^2/NDF : 206308926090069183709360387260416.0/22	Out: 140.465+/-0.000	χ^2/NDF : 1041591930769988
		All: 139.110+/-0.000	χ^2/NDF : 303874307424

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305 ± 0.939 $\chi^2/\text{NDF}: 330994.6/14$

Left Out: 8412.753 ± 0.396 $\chi^2/\text{NDF}: 2106465.3/24$

Right Out: -5045.221 ± 0.668 $\chi^2/\text{NDF}: 30179.9/15$

Left In: -8217.639 ± 0.381 $\chi^2/\text{NDF}: 2974101.4/22$

Left: -221.056 ± 0.274 $\chi^2/\text{NDF}: 921962342.7/47$

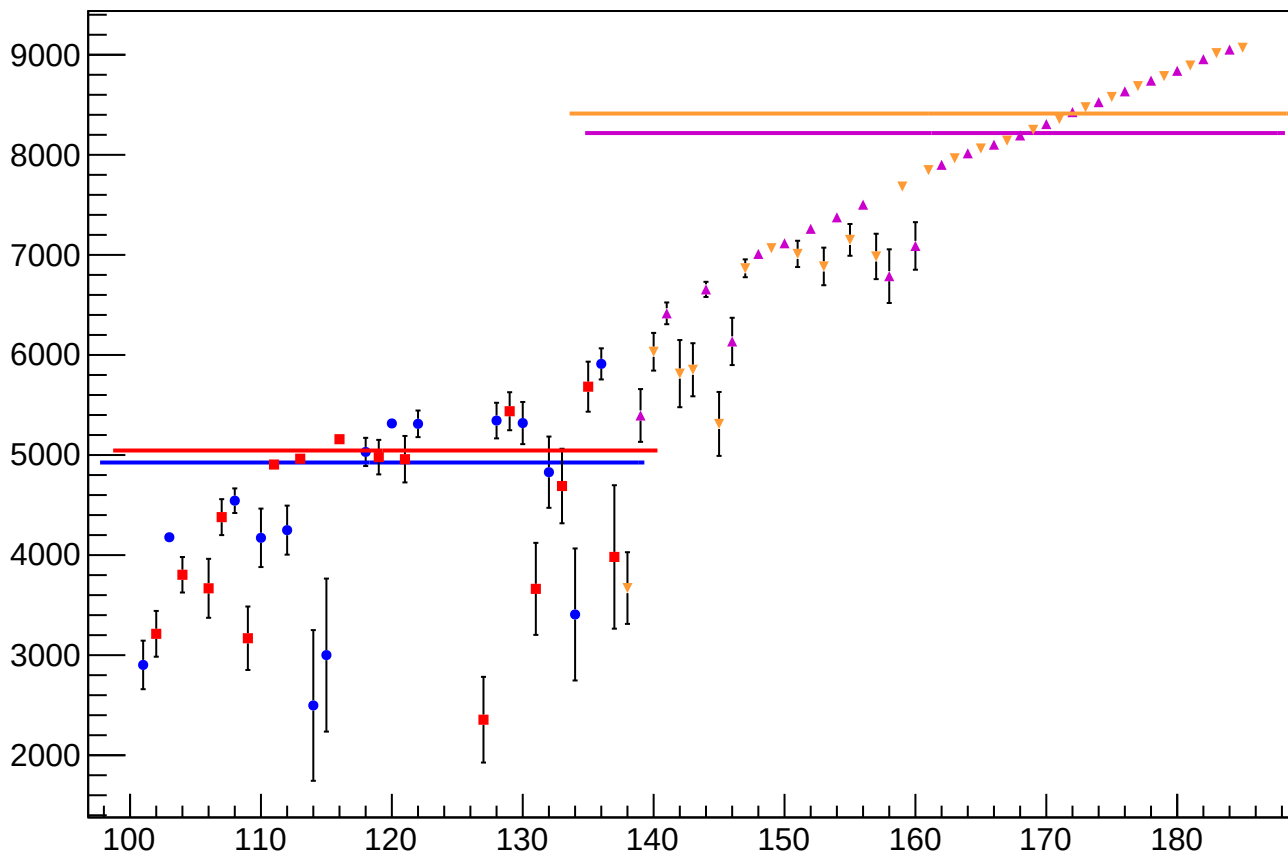
Right: -1694.510 ± 0.544 $\chi^2/\text{NDF}: 75266282.5/30$

In: -6360.026 ± 0.353 $\chi^2/\text{NDF}: 171632346.5/37$

Out: 4915.430 ± 0.340 $\chi^2/\text{NDF}: 302691560.4/40$

All: -519.775 ± 0.245 $\chi^2/\text{NDF}: 1003073907.0/100$

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305 $\pm$ 0.939 χ^2 /NDF: 330994.6/14

Left Out: 8412.753 $\pm$ 0.396 χ^2 /NDF: 2106465.3/24

Right Out: 5045.221 $\pm$ 0.668 χ^2 /NDF: 30179.9/15

Left In: 8217.639 $\pm$ 0.381 χ^2 /NDF: 2974101.4/22

Left: 8311.458 $\pm$ 0.274 χ^2 /NDF: 5206774.3/47

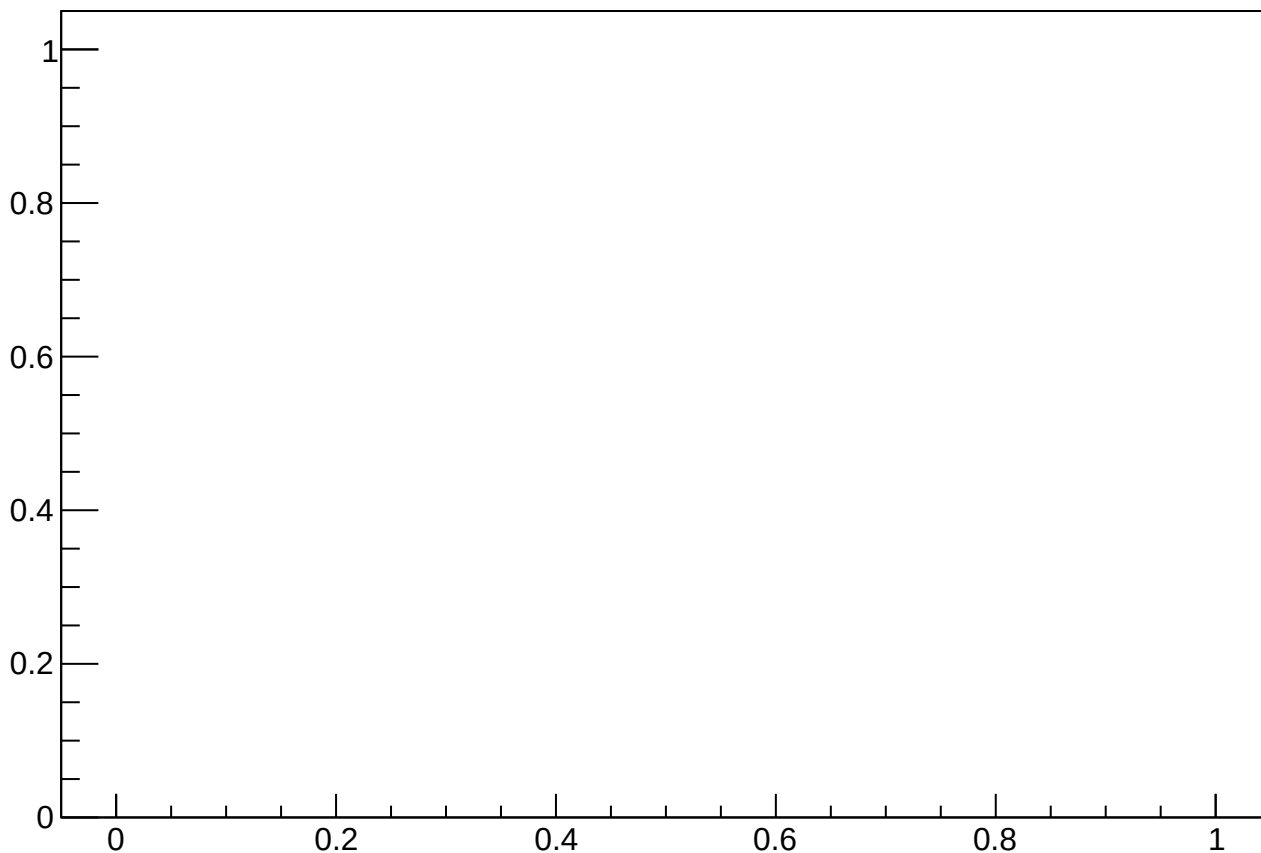
Right: 5004.922 $\pm$ 0.544 χ^2 /NDF: 372009.4/30

In: 7752.303 $\pm$ 0.353 χ^2 /NDF: 13867841.6/37

Out: 7537.633 $\pm$ 0.340 χ^2 /NDF: 20955273.2/40

All: 7641.112 $\pm$ 0.245 χ^2 /NDF: 35014772.5/71

dit_scandata1_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata1_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

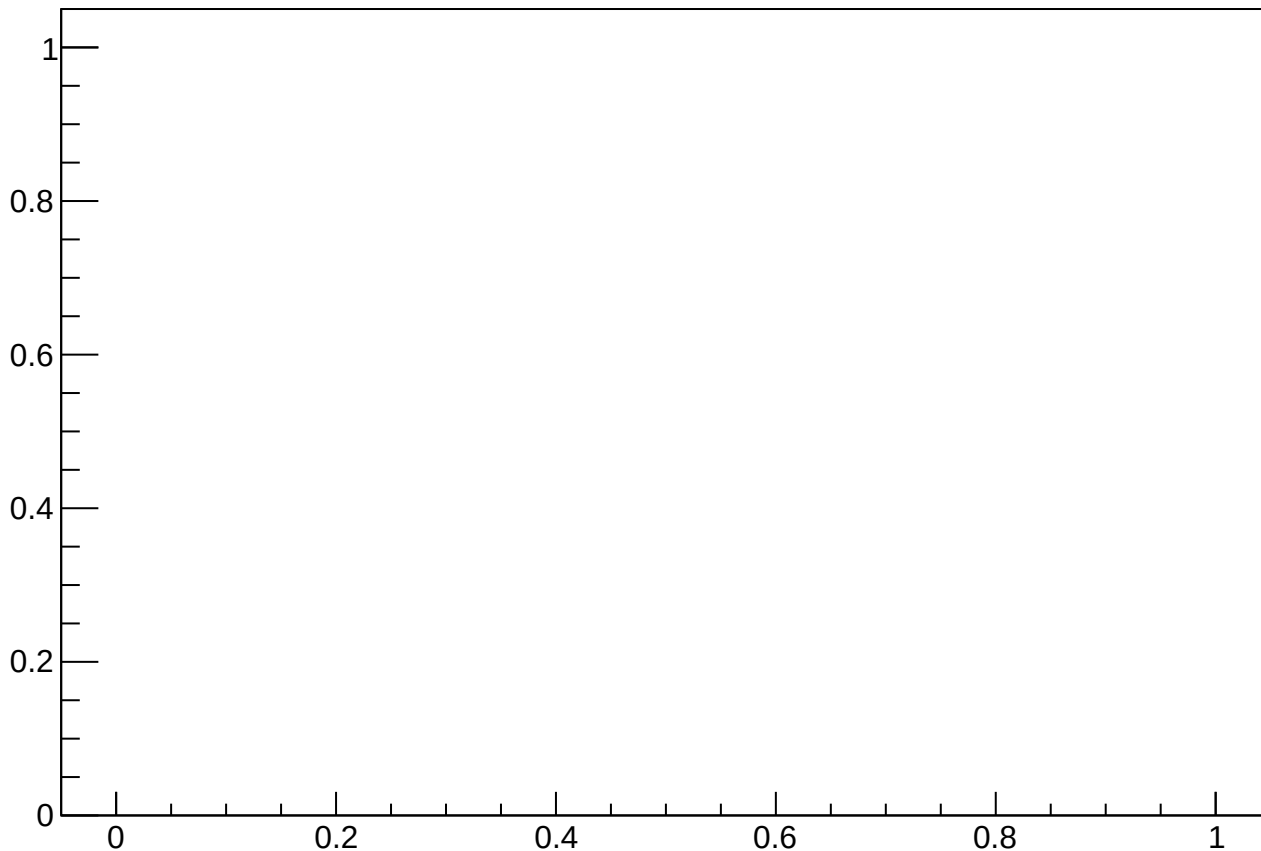
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

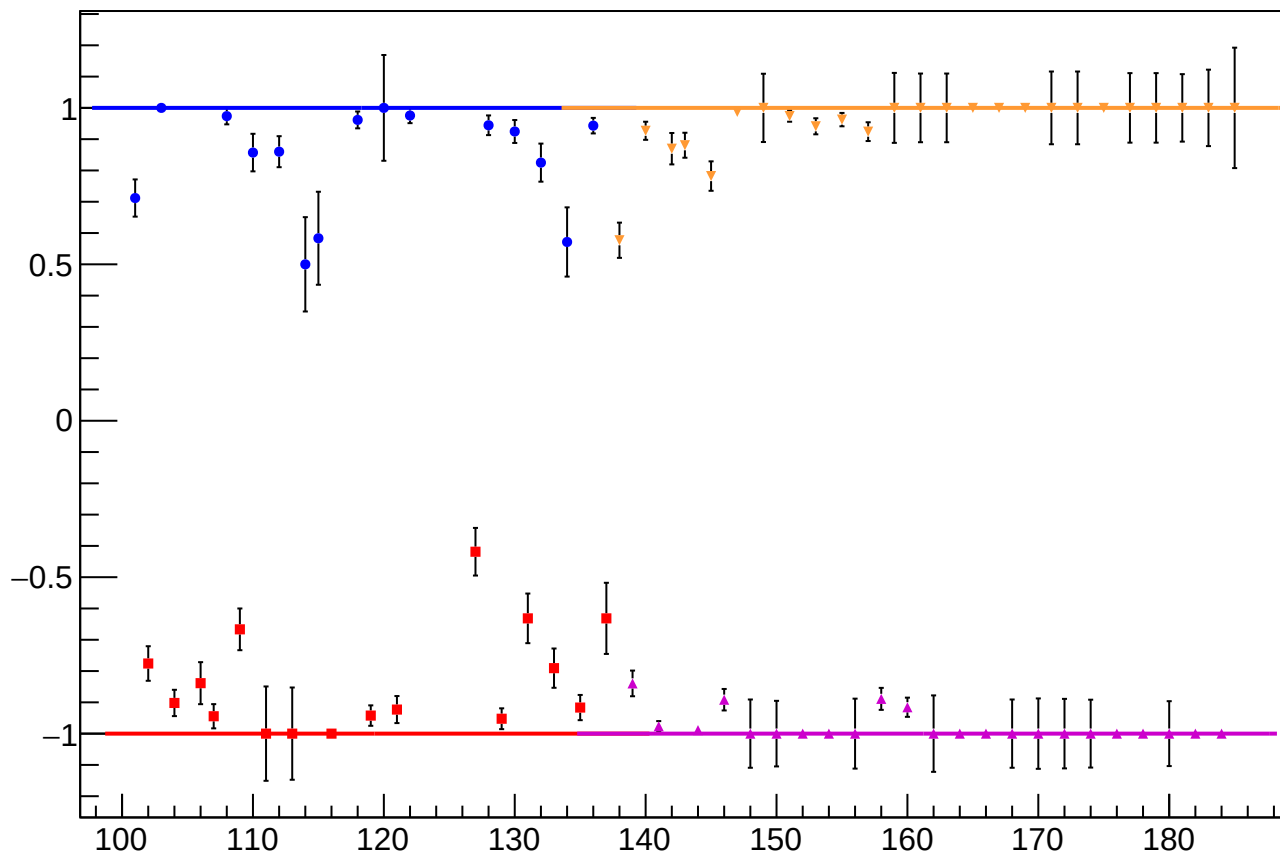
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

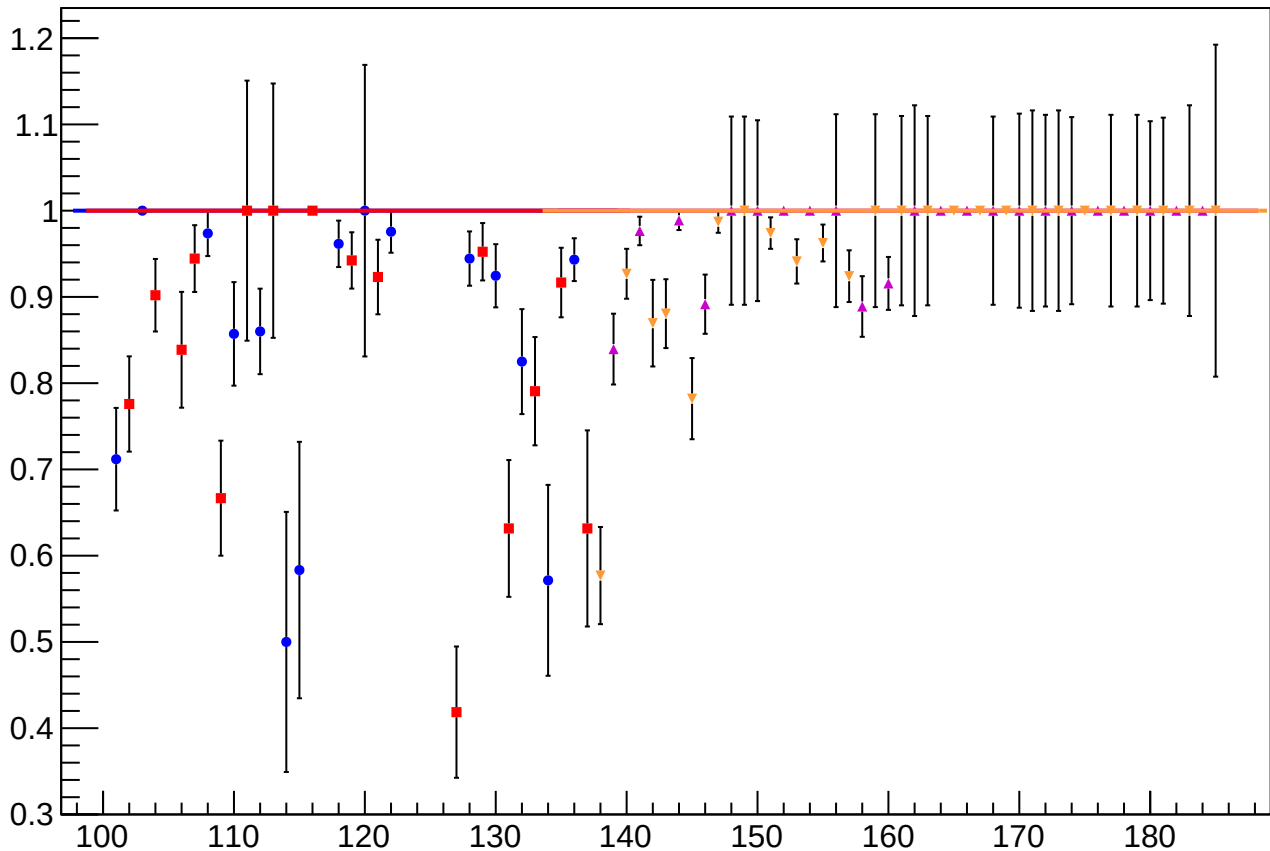
dit_flag_mean vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 $\chi^2/\text{NDF}: 95.9/14$
 Left Out: 1.000 ± 0.000 $\chi^2/\text{NDF}: 1596.8/24$
 Right Out: -1.000 ± 0.000 $\chi^2/\text{NDF}: 168.9/15$
 Left In: -1.000 ± 0.000 $\chi^2/\text{NDF}: 385.6/22$

Left: -0.308 ± 0.000 $\chi^2/\text{NDF}: 25106005466555206$
 Right: 0.398 ± 0.000 $\chi^2/\text{NDF}: 14173250084479480$
 In: -0.878 ± 0.000 $\chi^2/\text{NDF}: 441913906621430577$
 Out: 0.900 ± 0.000 $\chi^2/\text{NDF}: 192642163504562978$
 All: -0.268 ± 0.000 $\chi^2/\text{NDF}: 2731457681481$

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF : 95.9/14

Left Out: 1.000+/-0.000 χ^2/NDF :1596.8/24

Right Out: 1.000+/-0.000 χ^2/NDF : 168.9/15

Left In: 1.000+/-0.000 χ^2/NDF :385.6/22

Left: 1.000+/-0.000 χ^2/NDF : 802.6/47

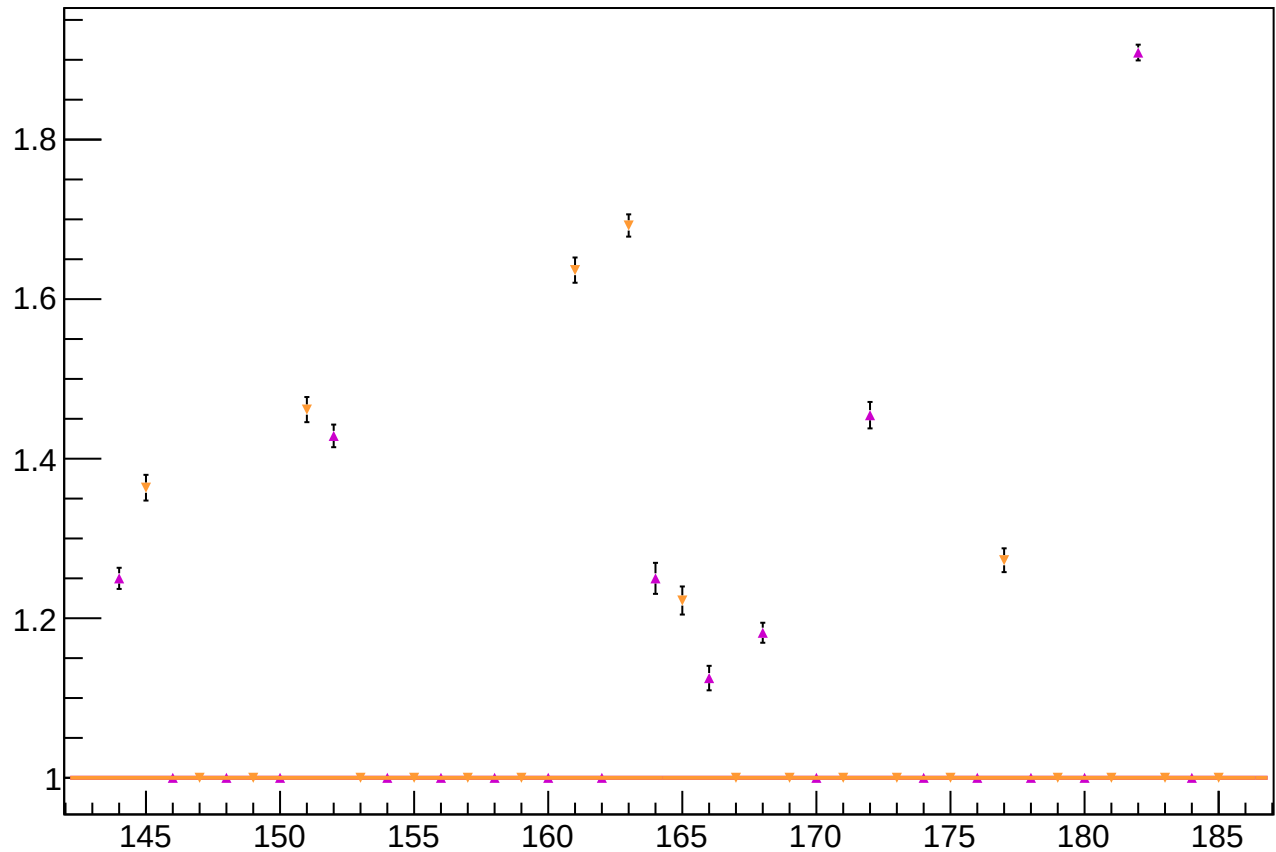
Right: 1.000+/-0.000 χ^2/NDF : 347.8/30

In: 1.000+/-0.000 χ^2/NDF :746.7/37

Out: 1.000+/-0.000 χ^2/NDF :607.7/40

All: 1.000+/-0.000 χ^2/NDF : 1354.4/78

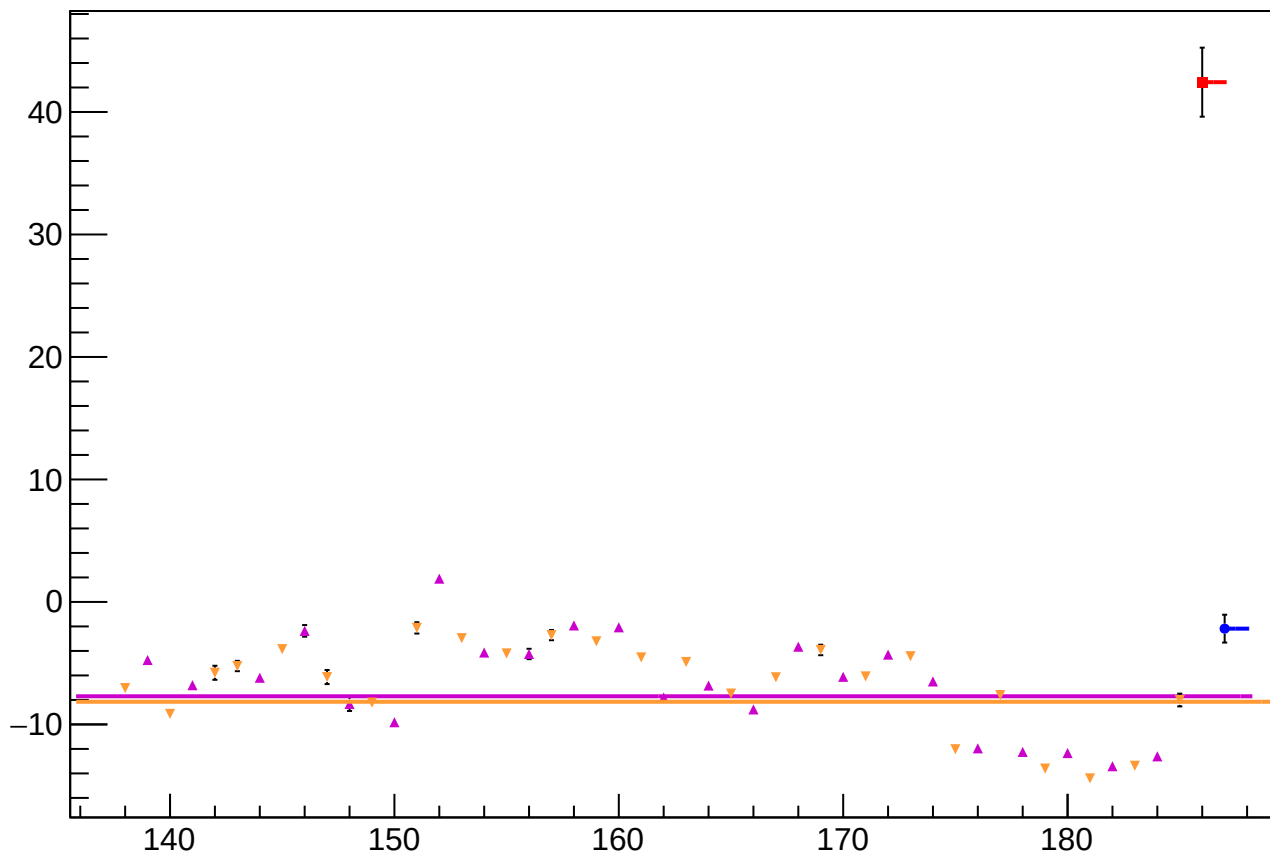
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF :18616.2/20
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF :12089.0/20

Left: 1.000+/-0.000 χ^2/NDF : 19113.7/41
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF :12089.0/20
Out: 1.000+/-0.000 χ^2/NDF :18616.2/20
All: 1.000+/-0.000 χ^2/NDF : 19113.7/41

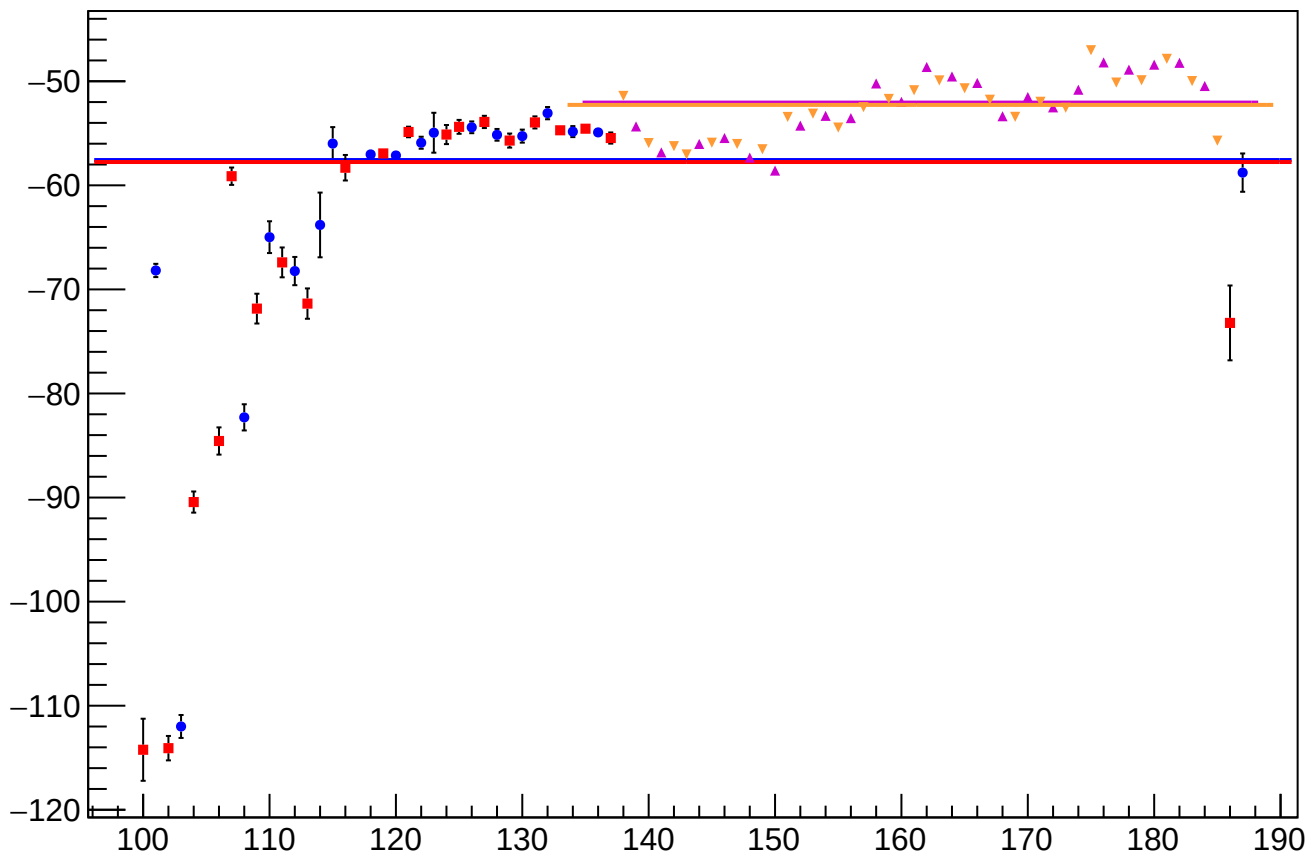
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.180 ± 1.137 χ^2/NDF : 0.0/0
 Left Out: -8.149 ± 0.068 χ^2/NDF : 3613.1/24
 Right Out: 42.434 ± 2.817 χ^2/NDF : 0.0/0
 Left In: -7.701 ± 0.068 χ^2/NDF : 3737.2/22

Left: -7.928 ± 0.048 χ^2/NDF : 7372.0/47
 Right: 4.065 ± 1.054 χ^2/NDF : 215.6/1
 In: -7.682 ± 0.068 χ^2/NDF : 3760.8/23
 Out: -8.120 ± 0.068 χ^2/NDF : 3935.2/25
 All: -7.903 ± 0.048 χ^2/NDF : 7716.8/49

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.570 $\pm$ 0.141 χ^2 /NDF: 3456.4/17

Left Out: -52.271 $\pm$ 0.055 χ^2 /NDF:2609.6/24

Right Out: -57.760 $\pm$ 0.143 χ^2 /NDF: 4717.0/19

Left In: -52.050 $\pm$ 0.057 χ^2 /NDF:3197.5/22

Left: -52.164 $\pm$ 0.040 χ^2 /NDF: 5814.9/47

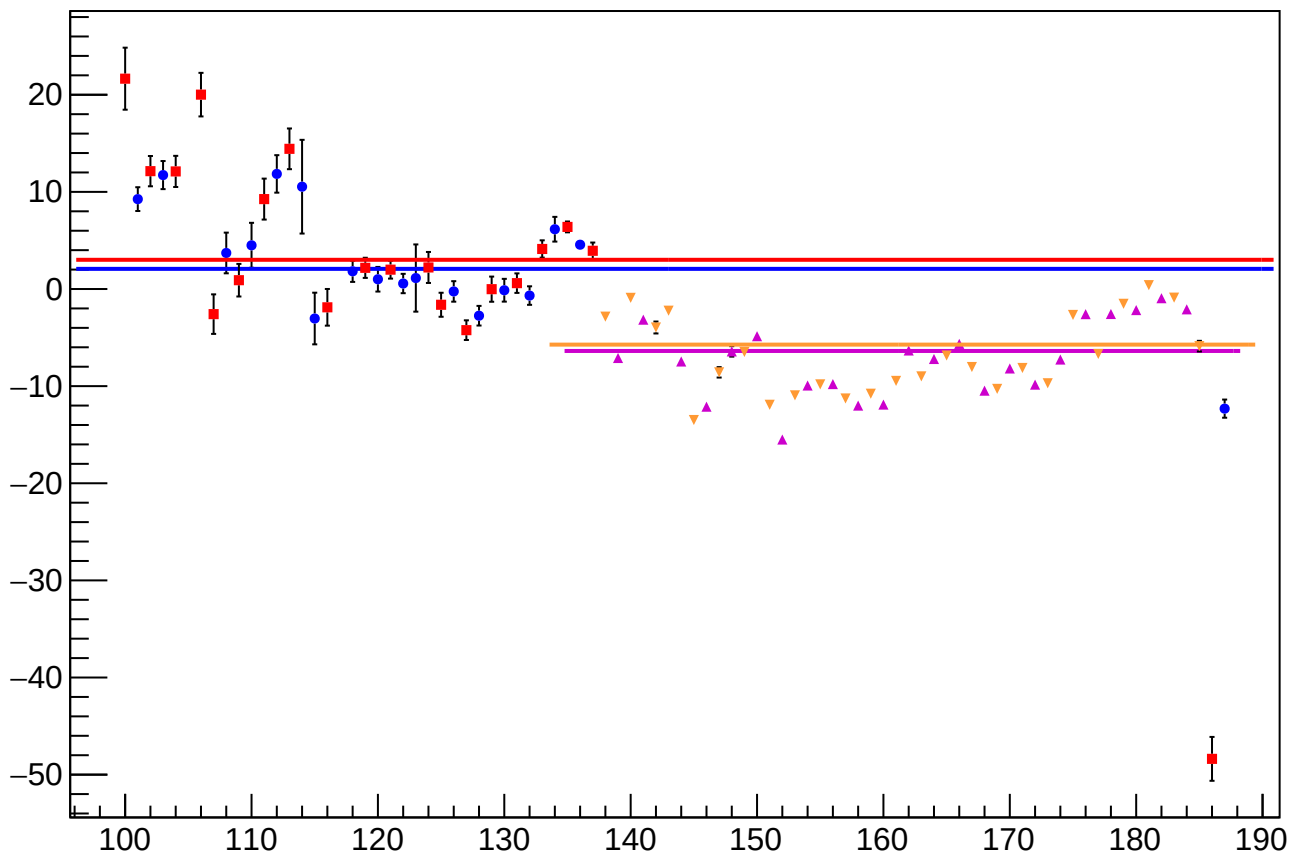
Right: -57.664 $\pm$ 0.100 χ^2 /NDF: 8174.2/37

In: -52.825 $\pm$ 0.053 χ^2 /NDF:7970.8/40

Out: -52.984 $\pm$ 0.051 χ^2 /NDF:8610.5/44

All: -52.906 $\pm$ 0.037 χ^2 /NDF: 16585.9/85

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.075 ± 0.248 χ^2/NDF : 441.2/17

Left Out: -5.725 ± 0.068 χ^2/NDF : 3989.1/24

Right Out: 3.008 ± 0.265 χ^2/NDF : 848.0/19

Left In: -6.379 ± 0.068 χ^2/NDF : 3395.7/22

Left: -6.049 ± 0.048 χ^2/NDF : 7431.1/47

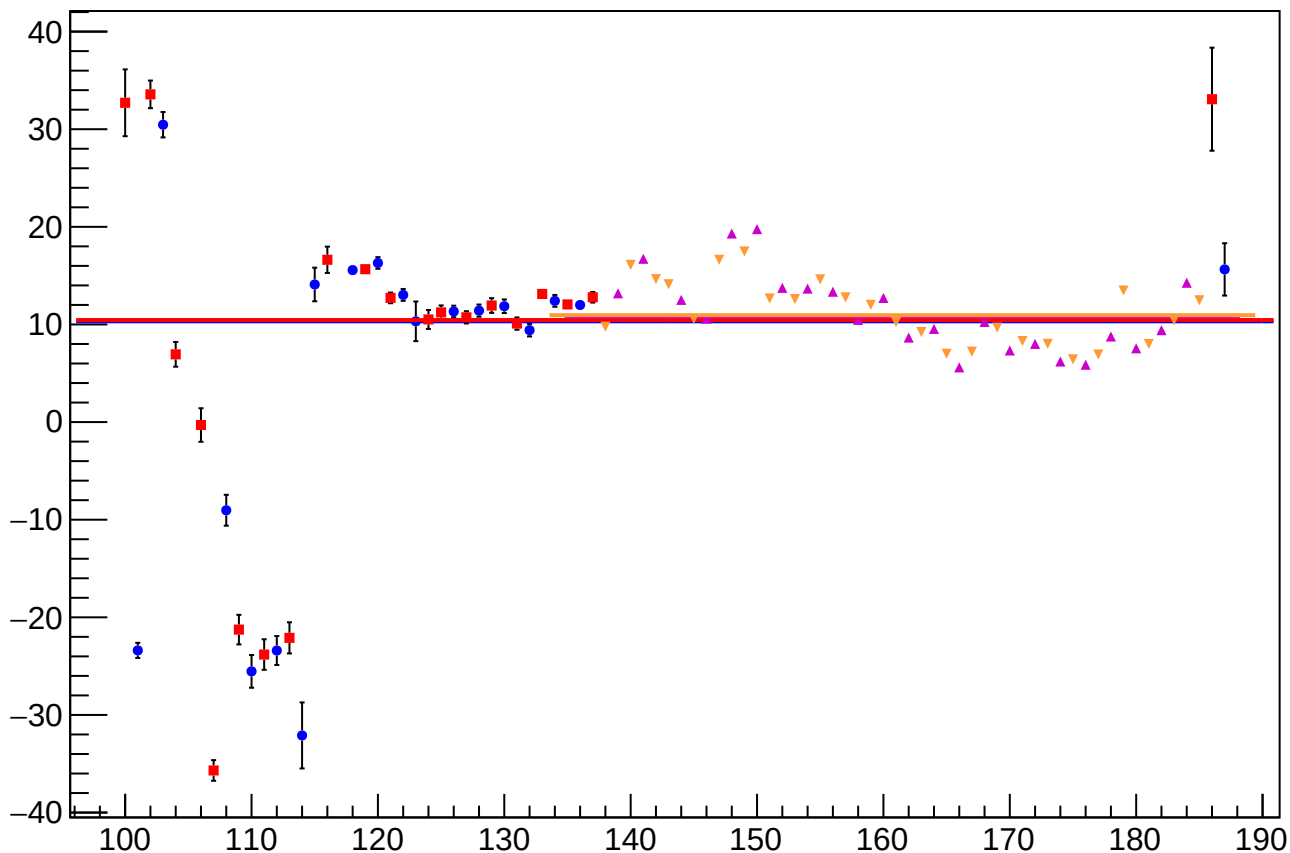
Right: 2.511 ± 0.181 χ^2/NDF : 1295.8/37

In: -5.785 ± 0.066 χ^2/NDF : 4913.1/40

Out: -5.191 ± 0.066 χ^2/NDF : 5854.6/44

All: -5.487 ± 0.046 χ^2/NDF : 10808.7/85

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.324+/-0.157 χ^2/NDF : 3716.2/17

Left Out: 10.950+/-0.062 χ^2/NDF : 2620.4/24

Right Out: 10.453+/-0.160 χ^2/NDF : 3846.8/19

Left In: 10.818+/-0.063 χ^2/NDF : 3577.7/22

Left: 10.886+/-0.044 χ^2/NDF : 6200.3/47

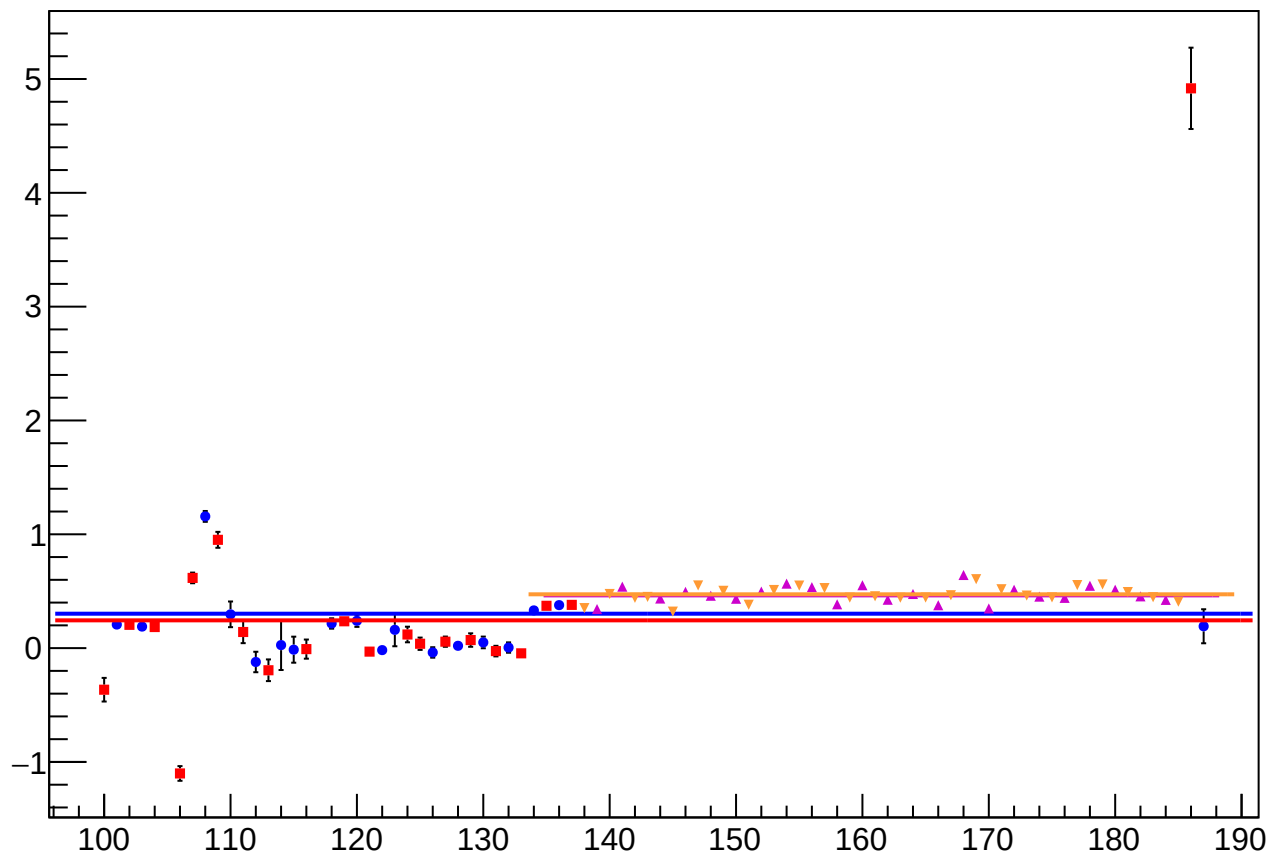
Right: 10.387+/-0.112 χ^2/NDF : 7563.4/37

In: 10.749+/-0.058 χ^2/NDF : 7302.5/40

Out: 10.886+/-0.057 χ^2/NDF : 6475.6/44

All: 10.819+/-0.041 χ^2/NDF : 13780.9/85

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302 ± 0.008 $\chi^2/\text{NDF}: 647.1/17$

Left Out: 0.473 ± 0.003 $\chi^2/\text{NDF}: 515.0/24$

Right Out: 0.244 ± 0.008 $\chi^2/\text{NDF}: 1158.0/19$

Left In: 0.463 ± 0.003 $\chi^2/\text{NDF}: 749.9/22$

Left: 0.468 ± 0.002 $\chi^2/\text{NDF}: 1270.7/47$

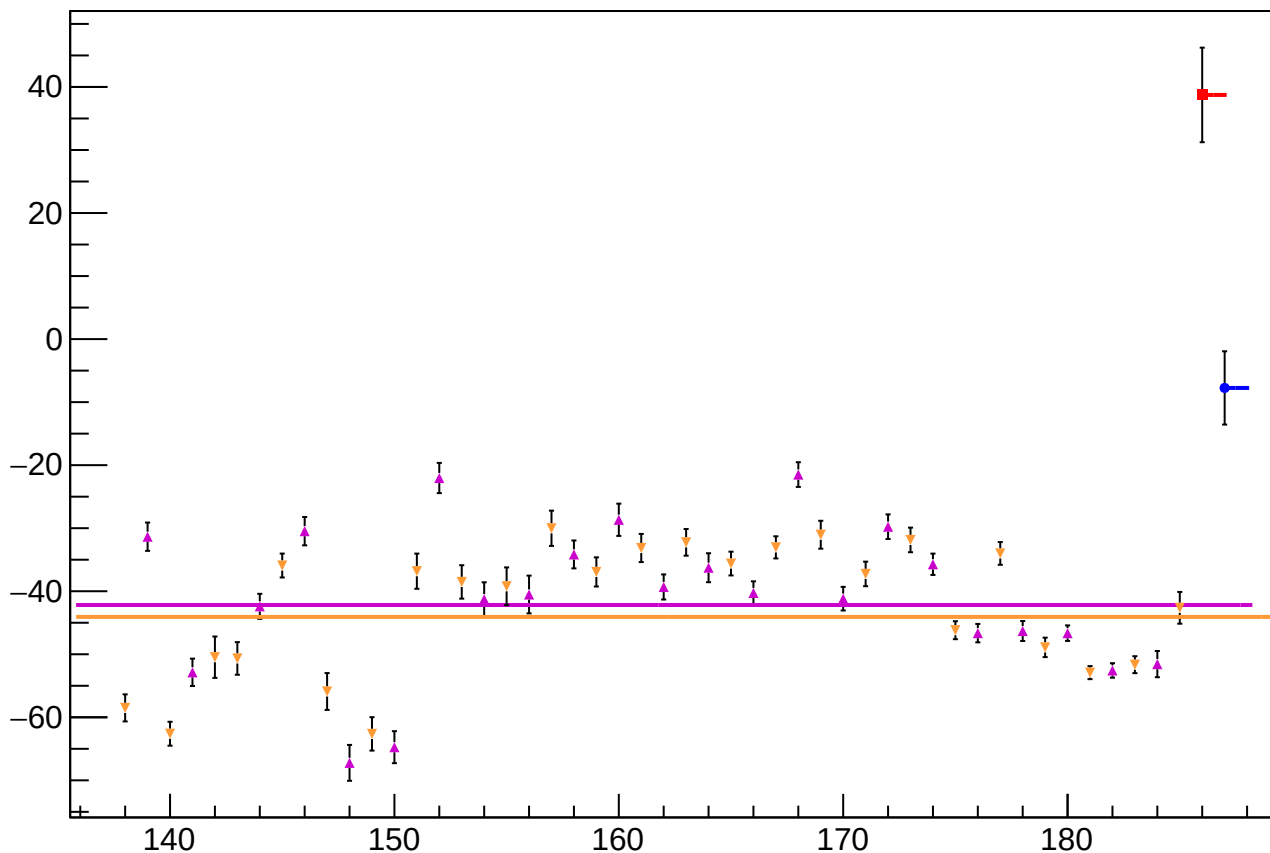
Right: 0.274 ± 0.006 $\chi^2/\text{NDF}: 1829.6/37$

In: 0.447 ± 0.003 $\chi^2/\text{NDF}: 1744.6/40$

Out: 0.451 ± 0.003 $\chi^2/\text{NDF}: 2329.7/44$

All: 0.449 ± 0.002 $\chi^2/\text{NDF}: 4075.4/85$

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



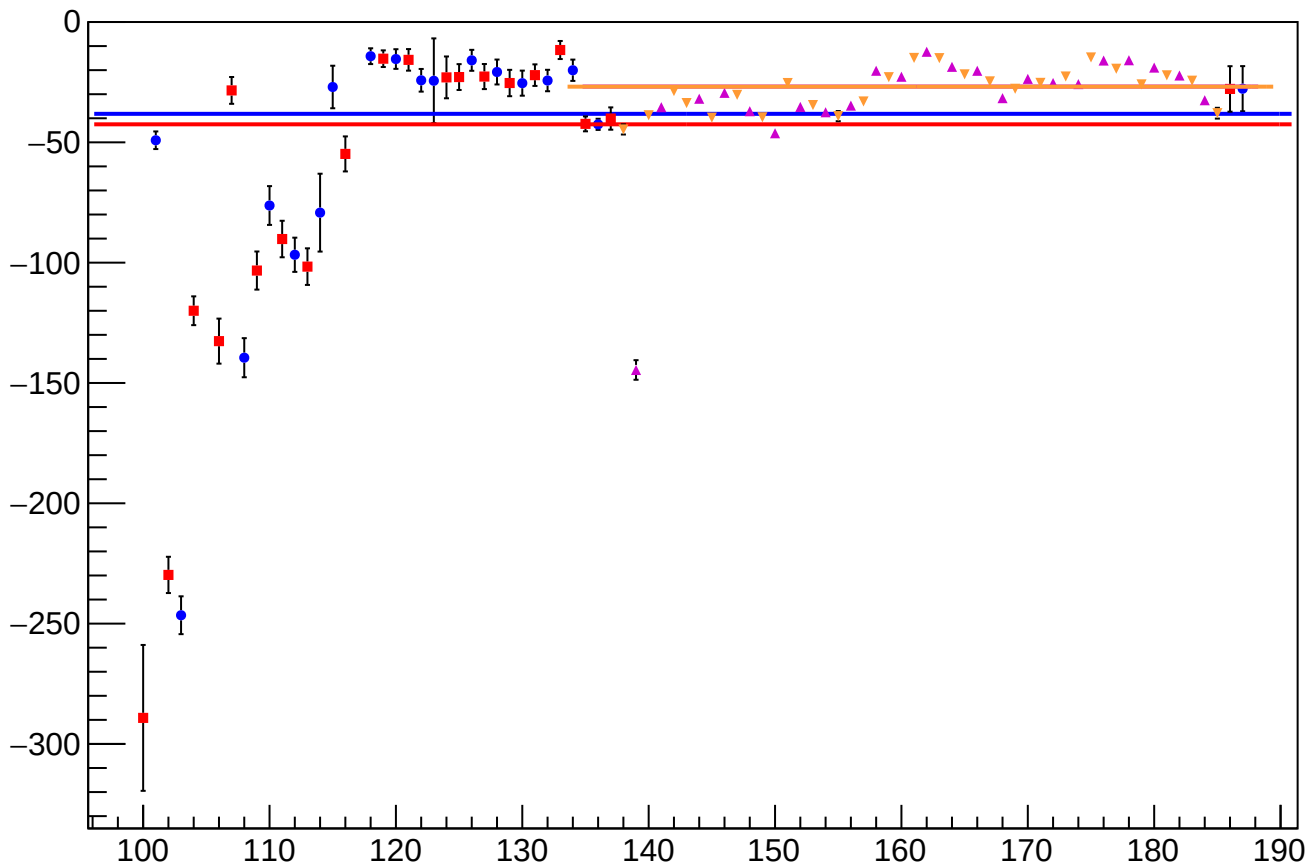
Right In: -7.749 ± 5.815 χ^2/NDF : 0.0/0
 Left Out: -44.074 ± 0.389 χ^2/NDF : 632.8/24
 Right Out: 38.733 ± 7.499 χ^2/NDF : 0.0/0
 Left In: -42.185 ± 0.398 χ^2/NDF : 651.0/22

Left: -43.149 ± 0.278 χ^2/NDF : 1295.4/47
 Right: 9.705 ± 4.595 χ^2/NDF : 24.0/1

In: -42.025 ± 0.397 χ^2/NDF : 686.0/23
 Out: -43.851 ± 0.389 χ^2/NDF : 754.4/25

All: -42.956 ± 0.278 χ^2/NDF : 1451.2/49

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.156 ± 1.129 $\chi^2/\text{NDF}: 1133.9/17$

Left Out: -26.867 ± 0.317 $\chi^2/\text{NDF}: 629.1/24$

Right Out: -42.514 ± 1.201 $\chi^2/\text{NDF}: 1344.0/19$

Left In: -26.825 ± 0.325 $\chi^2/\text{NDF}: 1481.6/22$

Left: -26.847 ± 0.227 $\chi^2/\text{NDF}: 2110.7/47$

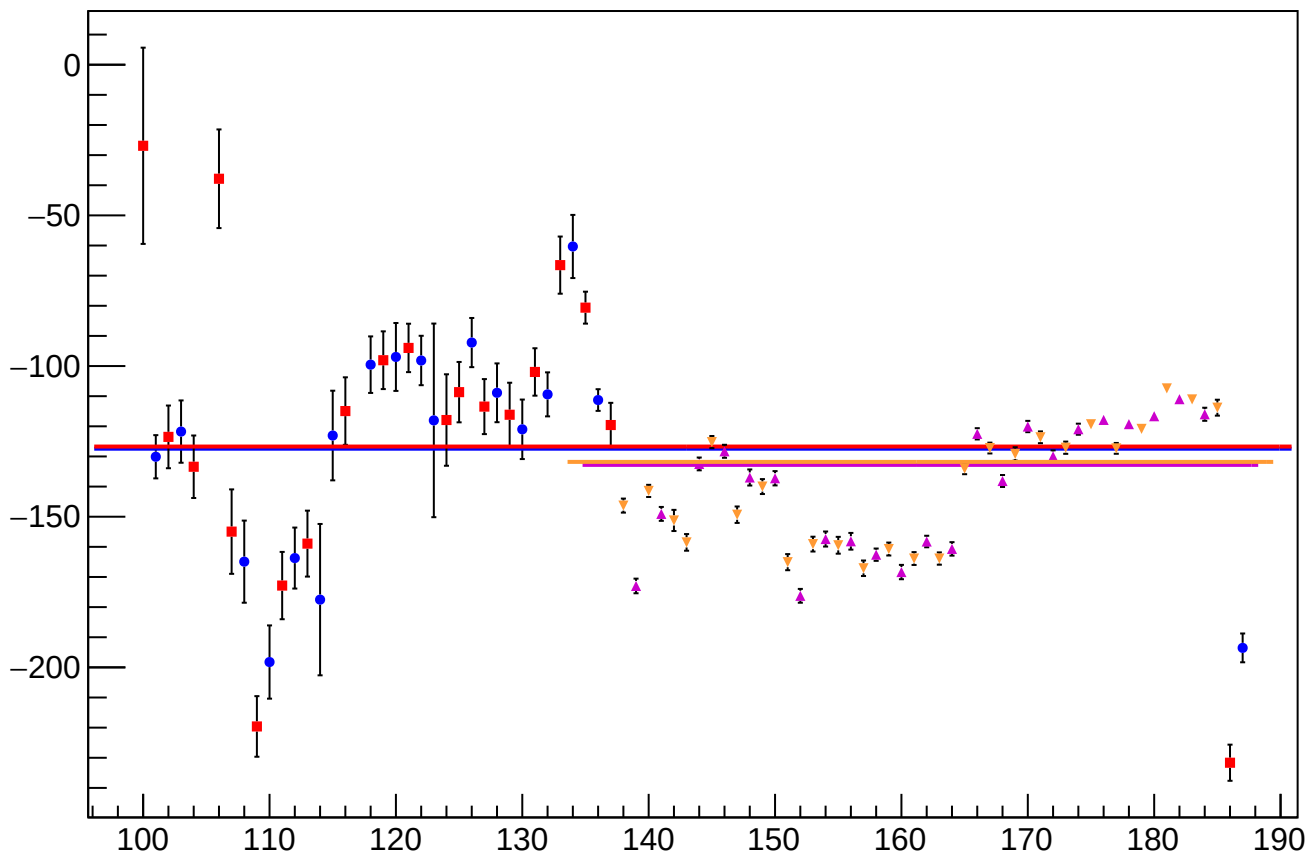
Right: -40.201 ± 0.822 $\chi^2/\text{NDF}: 2484.9/37$

In: -27.695 ± 0.313 $\chi^2/\text{NDF}: 2708.5/40$

Out: -27.886 ± 0.306 $\chi^2/\text{NDF}: 2131.9/44$

All: -27.793 ± 0.219 $\chi^2/\text{NDF}: 4840.6/85$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -127.426 $\pm$ 1.901 χ^2 /NDF: 369.1/17

Left Out: -131.805 $\pm$ 0.392 χ^2 /NDF:2417.0/24

Right Out: -126.714 $\pm$ 2.071 χ^2 /NDF: 620.6/19

Left In: -132.799 $\pm$ 0.398 χ^2 /NDF:2515.9/22

Left: -132.294 $\pm$ 0.279 χ^2 /NDF: 4936.0/47

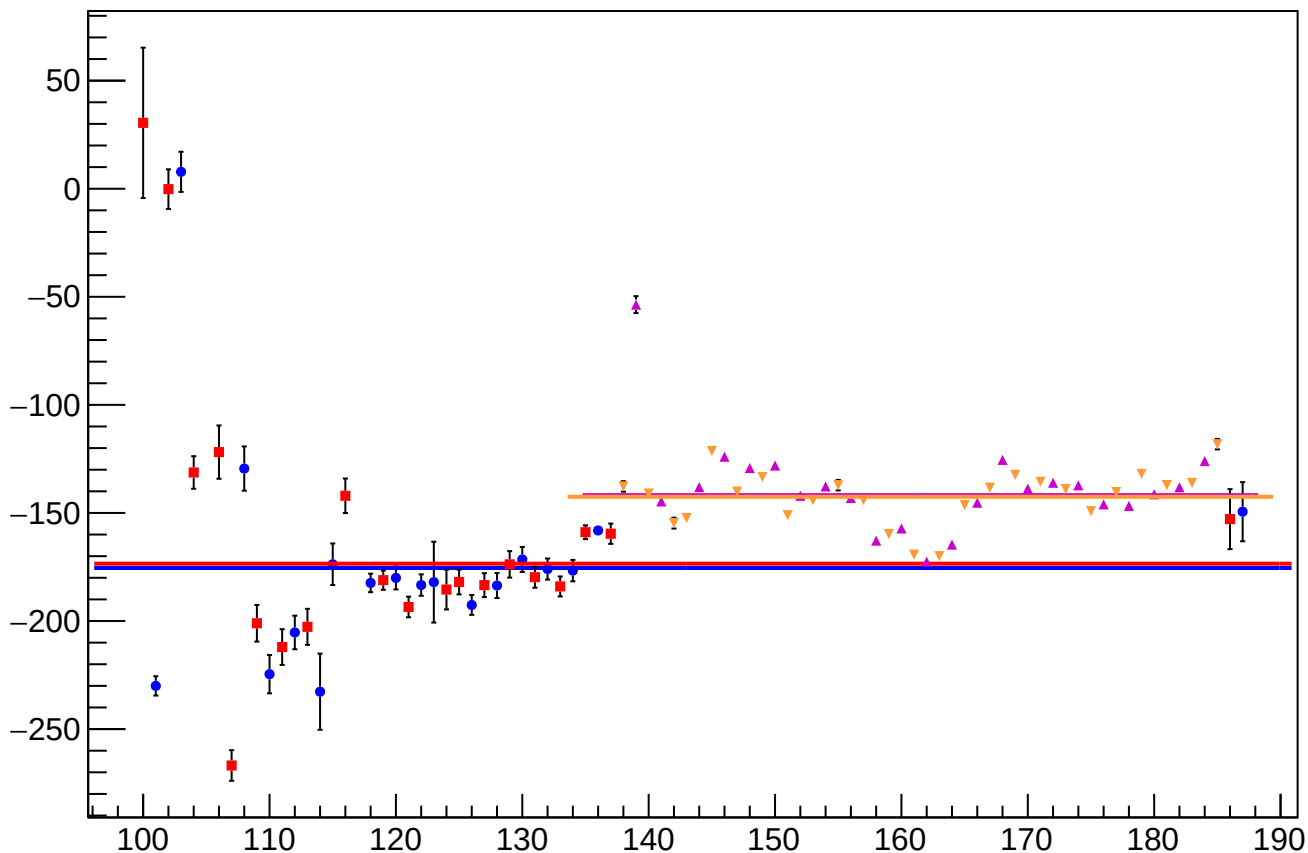
Right: -127.100 $\pm$ 1.401 χ^2 /NDF: 989.8/37

In: -132.573 $\pm$ 0.390 χ^2 /NDF:2892.6/40

Out: -131.629 $\pm$ 0.385 χ^2 /NDF:3043.5/44

All: -132.096 $\pm$ 0.274 χ^2 /NDF: 5939.1/85

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.472 ± 1.262 χ^2/NDF : 696.6/17

Left Out: -142.517 ± 0.355 χ^2/NDF : 1144.2/24

Right Out: -173.470 ± 1.349 χ^2/NDF : 739.9/19

Left In: -141.769 ± 0.363 χ^2/NDF : 1604.4/22

Left: -142.151 ± 0.254 χ^2/NDF : 2750.7/47

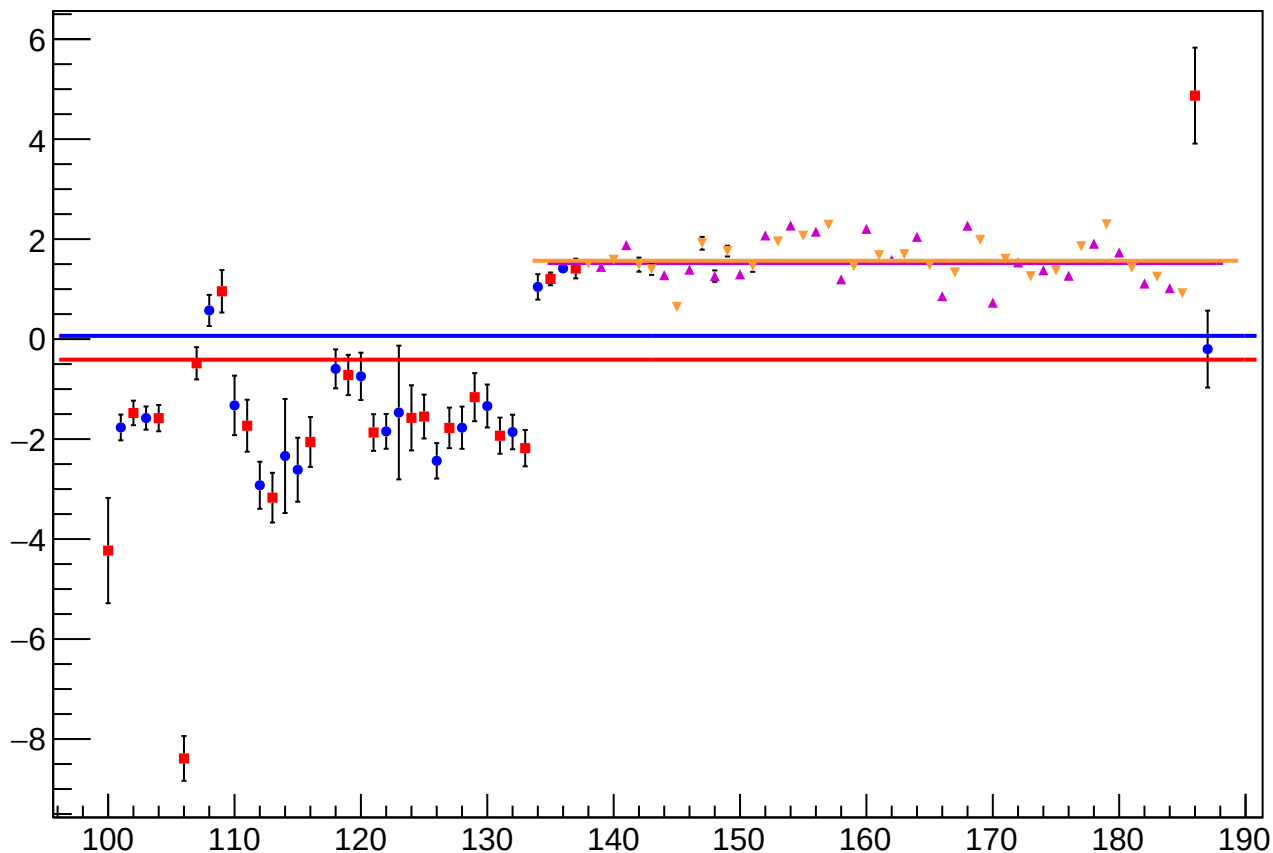
Right: -174.538 ± 0.922 χ^2/NDF : 1437.7/37

In: -144.339 ± 0.349 χ^2/NDF : 2959.6/40

Out: -144.518 ± 0.343 χ^2/NDF : 2376.2/44

All: -144.430 ± 0.245 χ^2/NDF : 5336.0/85

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065 $\pm$ 0.067 χ^2 /NDF: 526.3/17

Left Out: 1.568 $\pm$ 0.016 χ^2 /NDF:541.0/24

Right Out: -0.411 $\pm$ 0.071 χ^2 /NDF: 785.4/19

Left In: 1.522 $\pm$ 0.016 χ^2 /NDF:739.1/22

Left: 1.545 $\pm$ 0.012 χ^2 /NDF: 1284.1/47

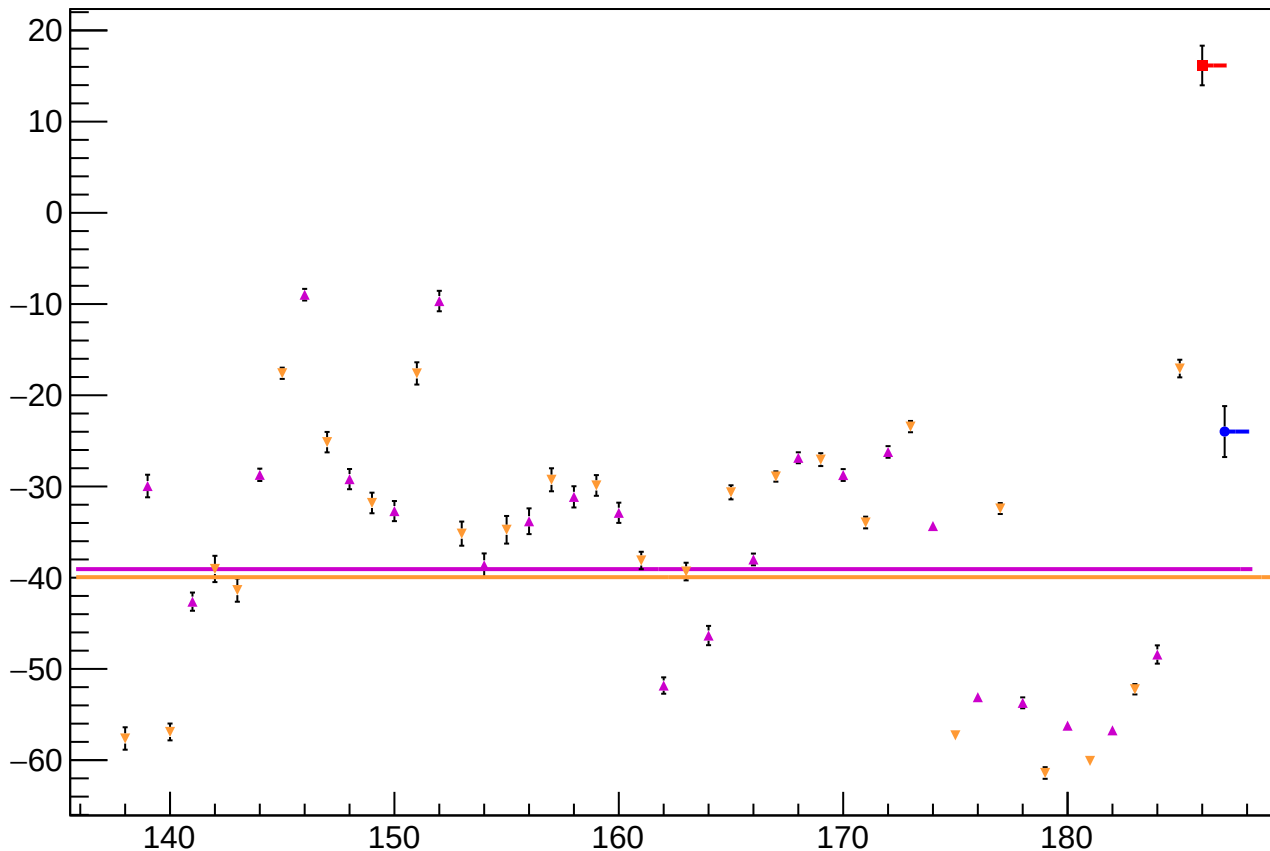
Right: -0.159 $\pm$ 0.049 χ^2 /NDF: 1335.5/37

In: 1.439 $\pm$ 0.016 χ^2 /NDF:1715.1/40

Out: 1.470 $\pm$ 0.016 χ^2 /NDF:2066.6/44

All: 1.454 $\pm$ 0.011 χ^2 /NDF: 3783.6/85

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



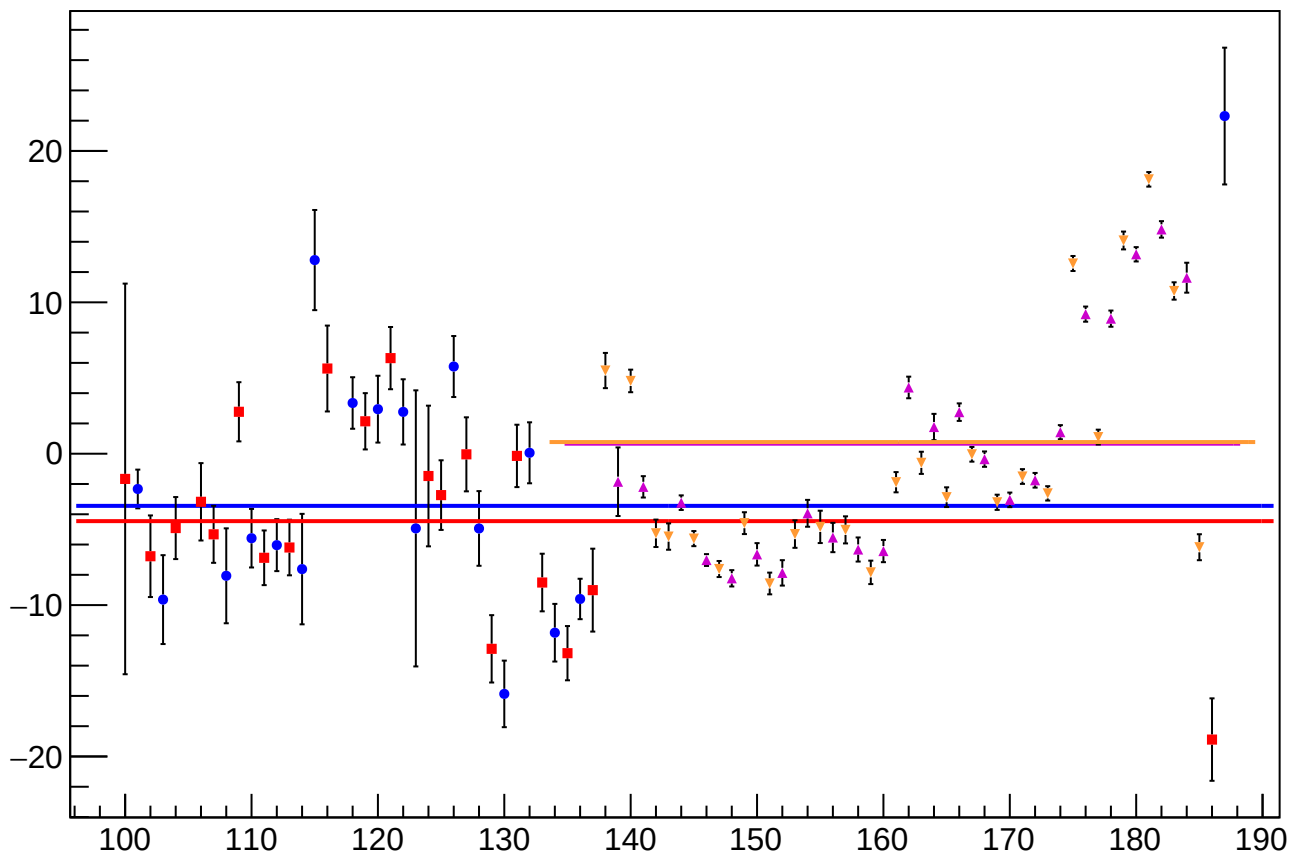
Right In: -23.980 ± 2.794 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -39.942 ± 0.153 $\chi^2/\text{NDF}: 9806.2/24$
 Right Out: 16.154 ± 2.172 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -39.060 ± 0.154 $\chi^2/\text{NDF}: 8577.0/22$

Left: -39.503 ± 0.109 $\chi^2/\text{NDF}: 18399.6/47$
 Right: 1.032 ± 1.715 $\chi^2/\text{NDF}: 128.6/1$

In: -39.014 ± 0.154 $\chi^2/\text{NDF}: 8606.0/23$
 Out: -39.664 ± 0.153 $\chi^2/\text{NDF}: 10469.7/25$

All: -39.341 ± 0.108 $\chi^2/\text{NDF}: 19084.7/49$

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.445 ± 0.492 χ^2/NDF : 198.2/17

Left Out: 0.770 ± 0.124 χ^2/NDF : 3952.9/24

Right Out: -4.454 ± 0.498 χ^2/NDF : 152.4/19

Left In: 0.662 ± 0.124 χ^2/NDF : 3340.9/22

Left: 0.716 ± 0.088 χ^2/NDF : 7294.2/47

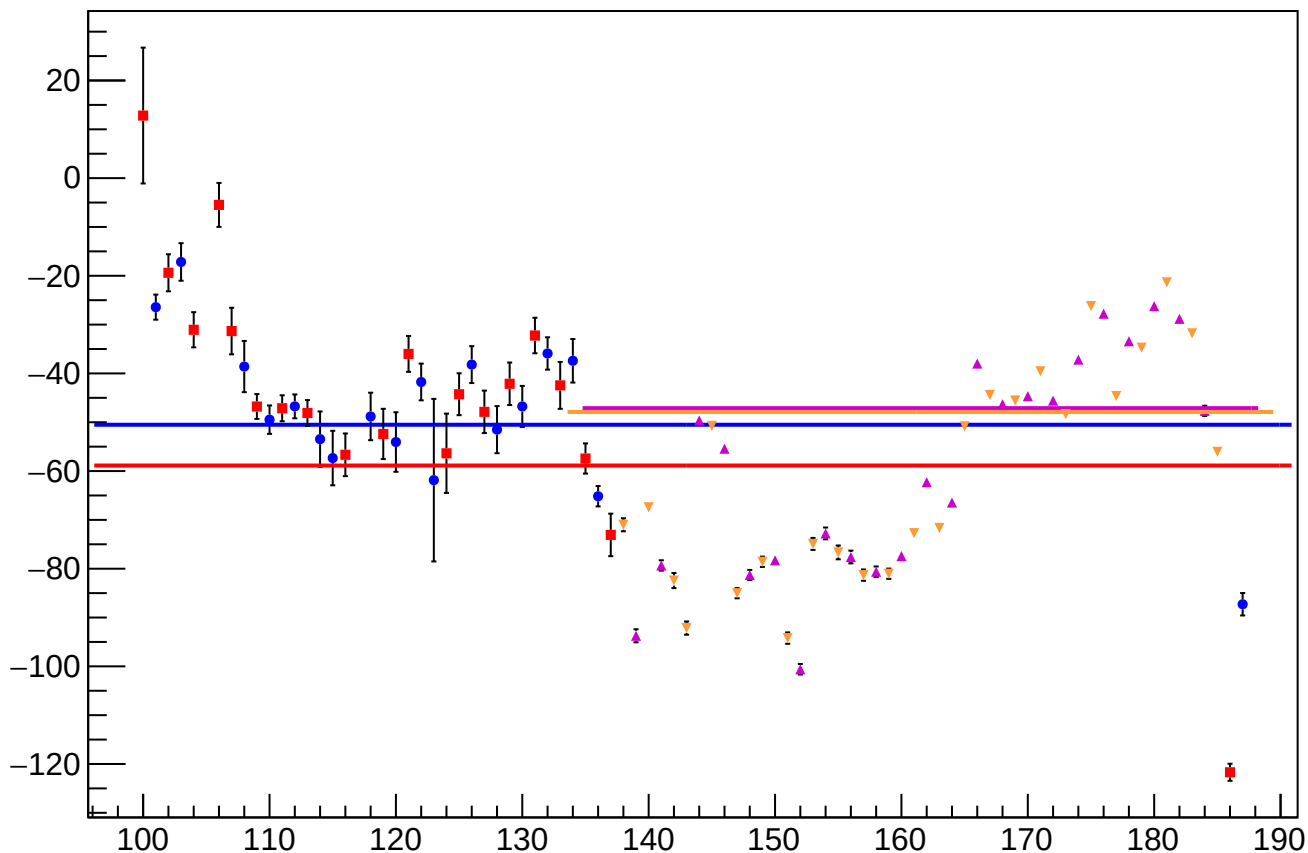
Right: -3.943 ± 0.350 χ^2/NDF : 352.6/37

In: 0.417 ± 0.120 χ^2/NDF : 3604.6/40

Out: 0.464 ± 0.121 χ^2/NDF : 4208.8/44

All: 0.440 ± 0.085 χ^2/NDF : 7813.4/85

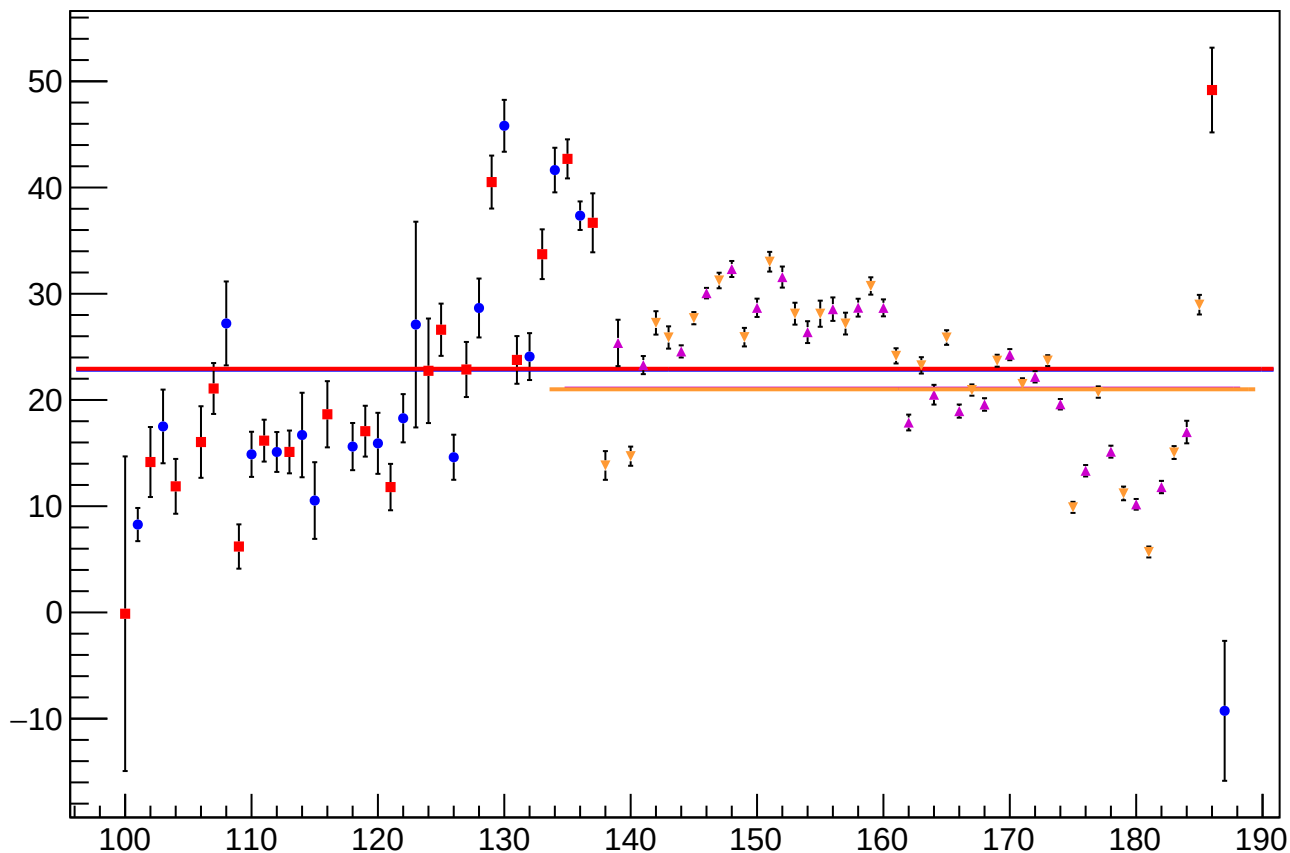
reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -50.513 ± 0.822 $\chi^2/\text{NDF}: 524.1/17$
 Left Out: -47.888 ± 0.155 $\chi^2/\text{NDF}: 16707.2/24$
 Right Out: -58.866 ± 0.784 $\chi^2/\text{NDF}: 1873.6/19$
 Left In: -47.112 ± 0.155 $\chi^2/\text{NDF}: 15654.8/22$

Left: -47.500 ± 0.109 $\chi^2/\text{NDF}: 32374.6/47$
 Right: -54.890 ± 0.567 $\chi^2/\text{NDF}: 2451.7/37$
 In: -47.229 ± 0.152 $\chi^2/\text{NDF}: 16195.4/40$
 Out: -48.300 ± 0.152 $\chi^2/\text{NDF}: 18769.6/44$
 All: -47.765 ± 0.107 $\chi^2/\text{NDF}: 34989.9/85$

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.850 $\pm$ 0.554 χ^2 /NDF: 485.1/17

Left Out: 21.005 $\pm$ 0.139 χ^2 /NDF:2789.5/24

Right Out: 22.938 $\pm$ 0.567 χ^2 /NDF: 414.5/19

Left In: 21.069 $\pm$ 0.139 χ^2 /NDF:2176.7/22

Left: 21.037 $\pm$ 0.098 χ^2 /NDF: 4966.4/47

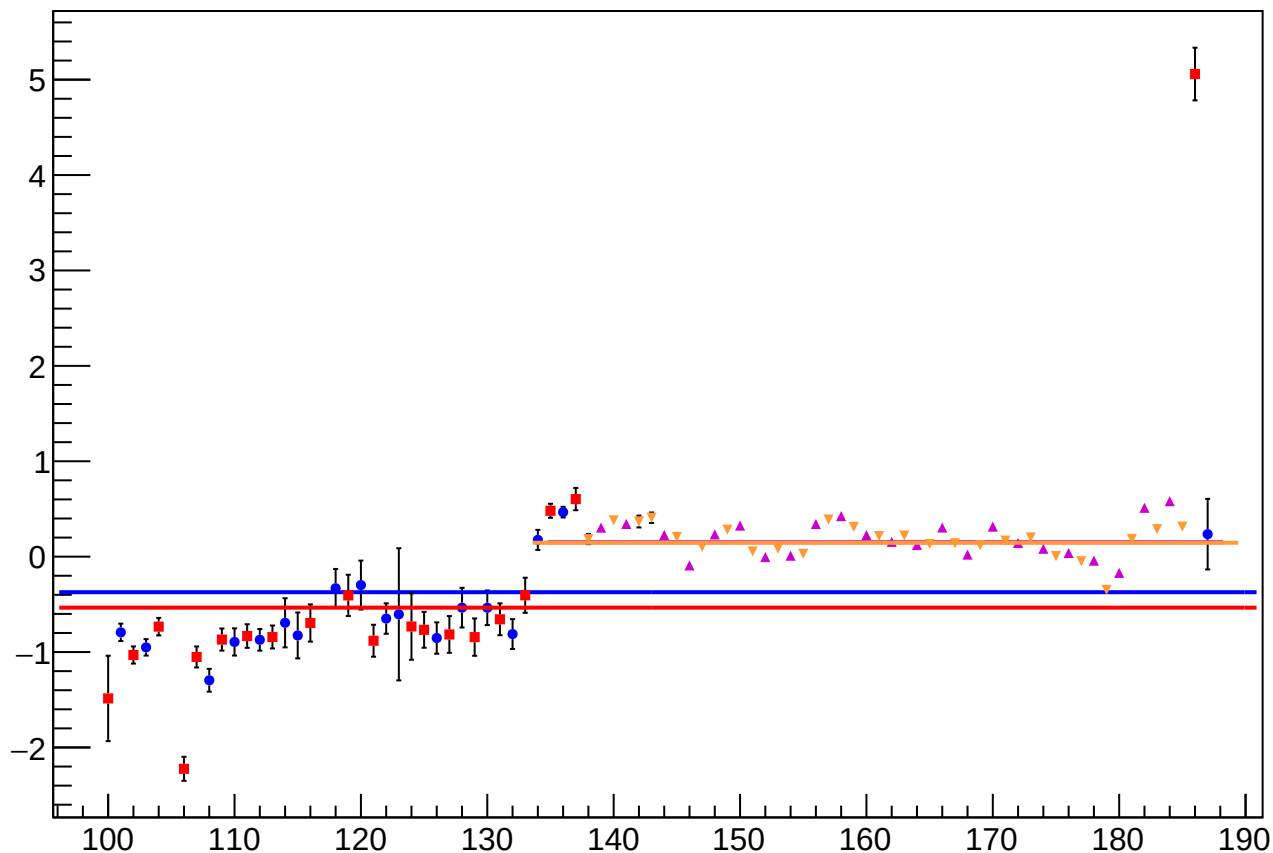
Right: 22.893 $\pm$ 0.396 χ^2 /NDF: 899.5/37

In: 21.175 $\pm$ 0.135 χ^2 /NDF:2671.6/40

Out: 21.114 $\pm$ 0.135 χ^2 /NDF:3215.0/44

All: 21.145 $\pm$ 0.095 χ^2 /NDF: 5886.6/85

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.373 ± 0.030 $\chi^2/\text{NDF}: 439.9/17$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 609.8/24$

Right Out: -0.535 ± 0.030 $\chi^2/\text{NDF}: 970.0/19$

Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 873.9/22$

Left: 0.149 ± 0.004 $\chi^2/\text{NDF}: 1484.1/47$

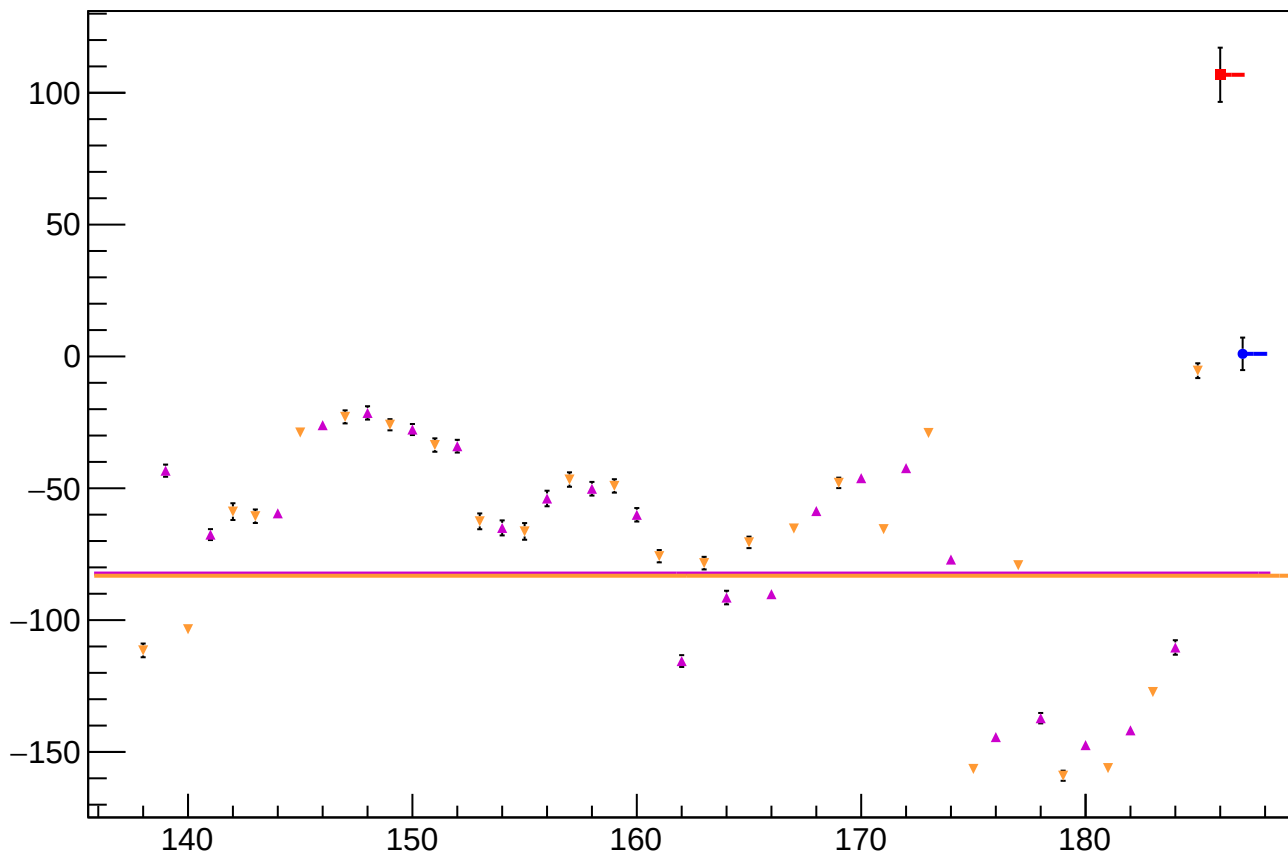
Right: -0.453 ± 0.021 $\chi^2/\text{NDF}: 1424.5/37$

In: 0.129 ± 0.006 $\chi^2/\text{NDF}: 1606.2/40$

Out: 0.117 ± 0.006 $\chi^2/\text{NDF}: 2072.4/44$

All: 0.123 ± 0.004 $\chi^2/\text{NDF}: 3680.5/85$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.990 ± 6.163 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -83.163 ± 0.407 $\chi^2/\text{NDF}: 13794.3/24$

Right Out: 106.825 ± 10.282 $\chi^2/\text{NDF}: 0.0/0$

Left In: -82.342 ± 0.413 $\chi^2/\text{NDF}: 10954.9/22$

Left: -82.758 ± 0.290 $\chi^2/\text{NDF}: 24751.3/47$

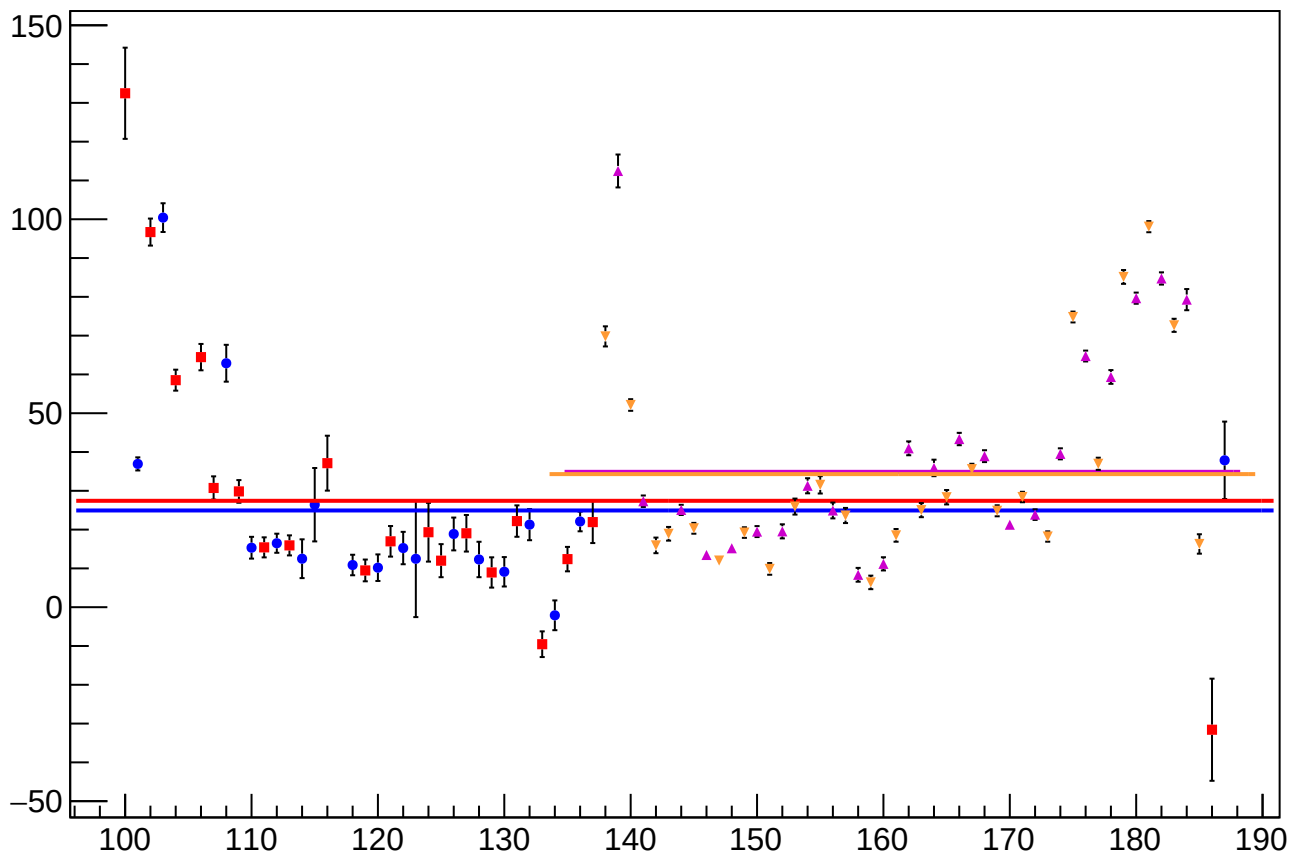
Right: 28.963 ± 5.286 $\chi^2/\text{NDF}: 77.9/1$

In: -81.970 ± 0.412 $\chi^2/\text{NDF}: 11136.9/23$

Out: -82.865 ± 0.407 $\chi^2/\text{NDF}: 14135.2/25$

All: -82.423 ± 0.289 $\chi^2/\text{NDF}: 25274.5/49$

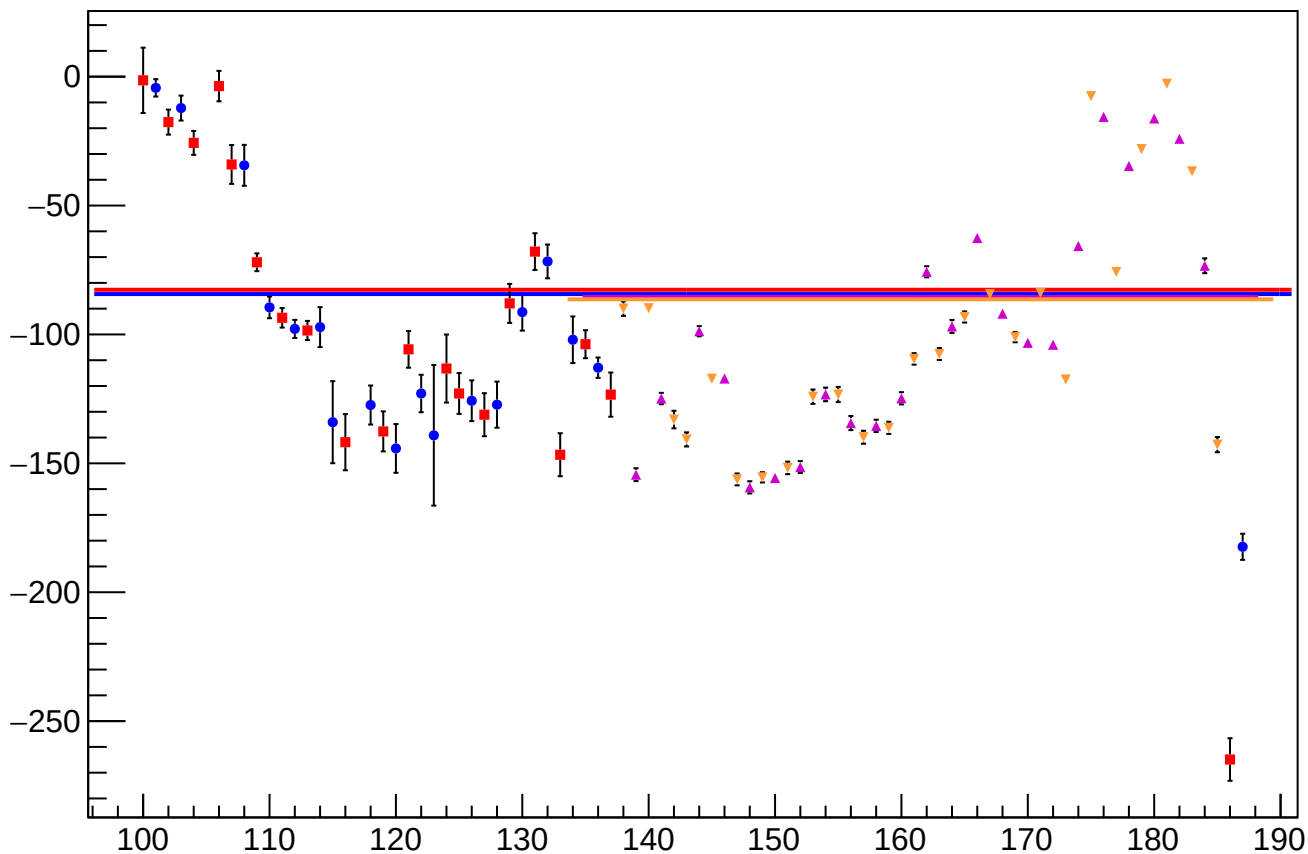
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.931 ± 0.798 χ^2/NDF : 692.5/17
 Left Out: 34.306 ± 0.321 χ^2/NDF : 6163.7/24
 Right Out: 27.424 ± 0.809 χ^2/NDF : 1029.3/19
 Left In: 34.893 ± 0.328 χ^2/NDF : 4754.6/22

Left: 34.593 ± 0.229 χ^2/NDF : 10919.9/47
 Right: 26.161 ± 0.568 χ^2/NDF : 1726.7/37
 In: 33.453 ± 0.304 χ^2/NDF : 5580.3/40
 Out: 33.370 ± 0.298 χ^2/NDF : 7255.6/44
 All: 33.410 ± 0.213 χ^2/NDF : 12835.9/85

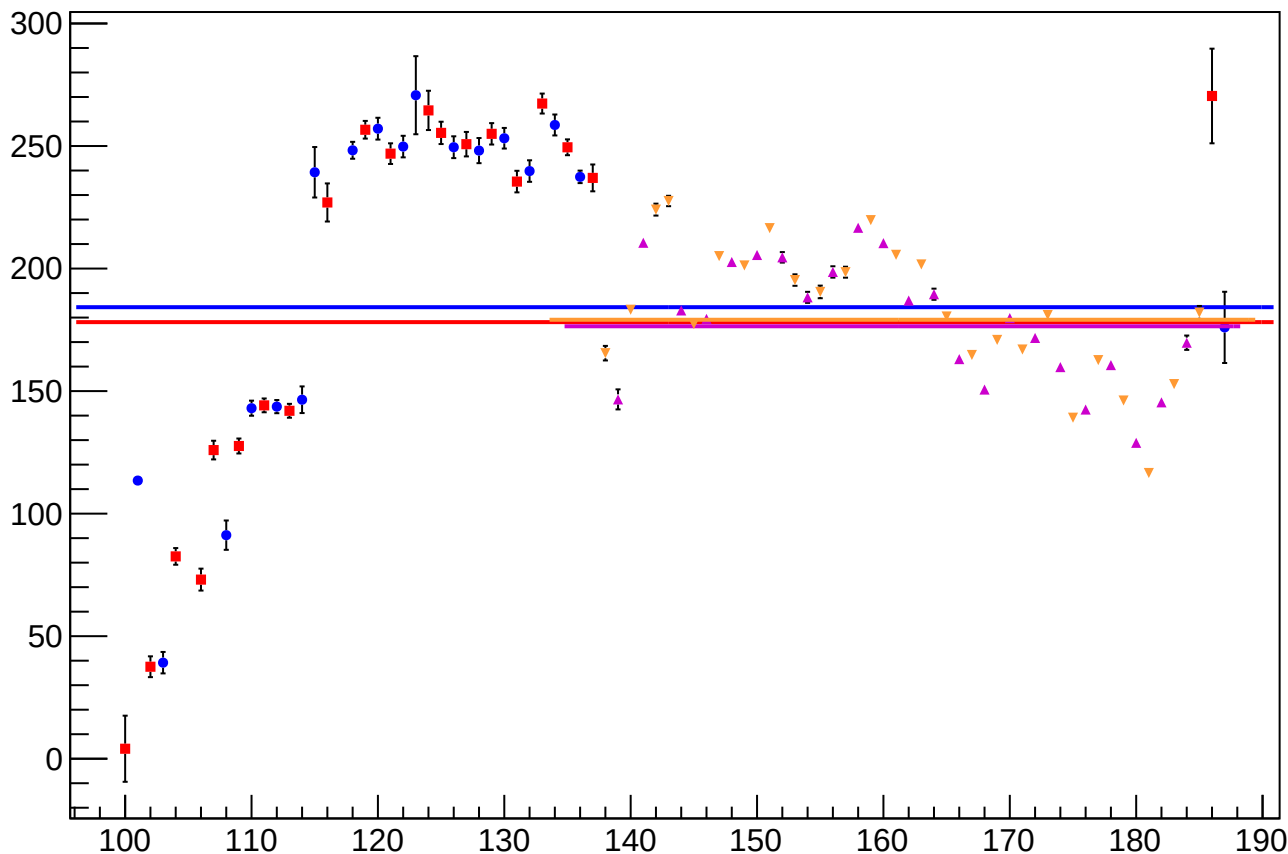
reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -84.341 ± 1.360 $\chi^2/\text{NDF}: 1445.3/17$
 Left Out: -86.377 ± 0.409 $\chi^2/\text{NDF}: 14435.1/24$
 Right Out: -82.659 ± 1.334 $\chi^2/\text{NDF}: 1371.9/19$
 Left In: -85.441 ± 0.413 $\chi^2/\text{NDF}: 12998.9/22$

Left: -85.914 ± 0.291 $\chi^2/\text{NDF}: 27436.5/47$
 Right: -83.484 ± 0.953 $\chi^2/\text{NDF}: 2818.0/37$
 In: -85.348 ± 0.395 $\chi^2/\text{NDF}: 14444.8/40$
 Out: -86.058 ± 0.391 $\chi^2/\text{NDF}: 15814.0/44$
 All: -85.707 ± 0.278 $\chi^2/\text{NDF}: 30260.4/85$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 184.239 $\pm$ 0.912 χ^2 /NDF: 5401.3/17

Left Out: 179.109 $\pm$ 0.363 χ^2 /NDF: 5877.5/24

Right Out: 178.141 $\pm$ 0.923 χ^2 /NDF: 6353.8/19

Left In: 176.449 $\pm$ 0.370 χ^2 /NDF: 4442.1/22

Left: 177.804 $\pm$ 0.259 χ^2 /NDF: 10345.9/47

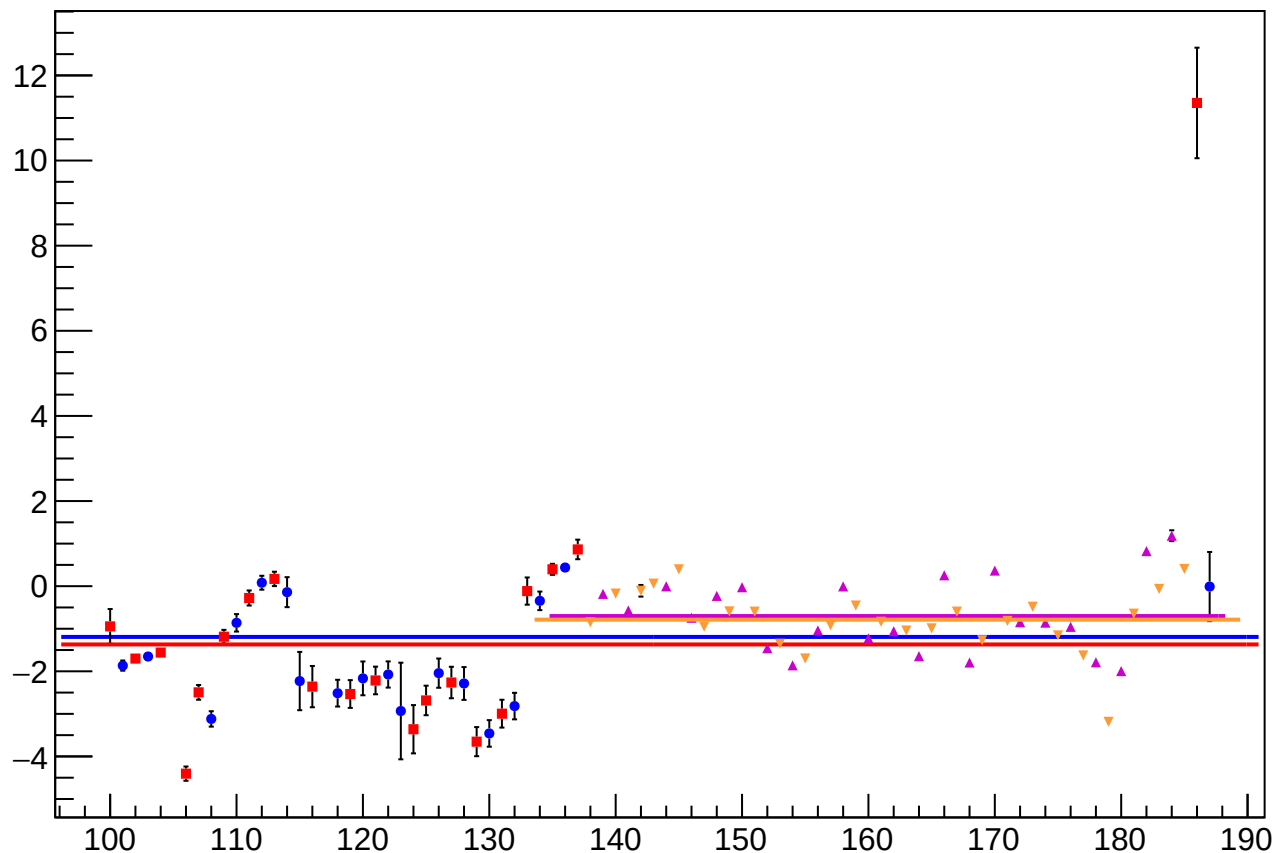
Right: 181.227 $\pm$ 0.649 χ^2 /NDF: 11777.2/37

In: 177.548 $\pm$ 0.343 χ^2 /NDF: 9906.1/40

Out: 178.979 $\pm$ 0.337 χ^2 /NDF: 12232.2/44

All: 178.275 $\pm$ 0.240 χ^2 /NDF: 22147.2/85

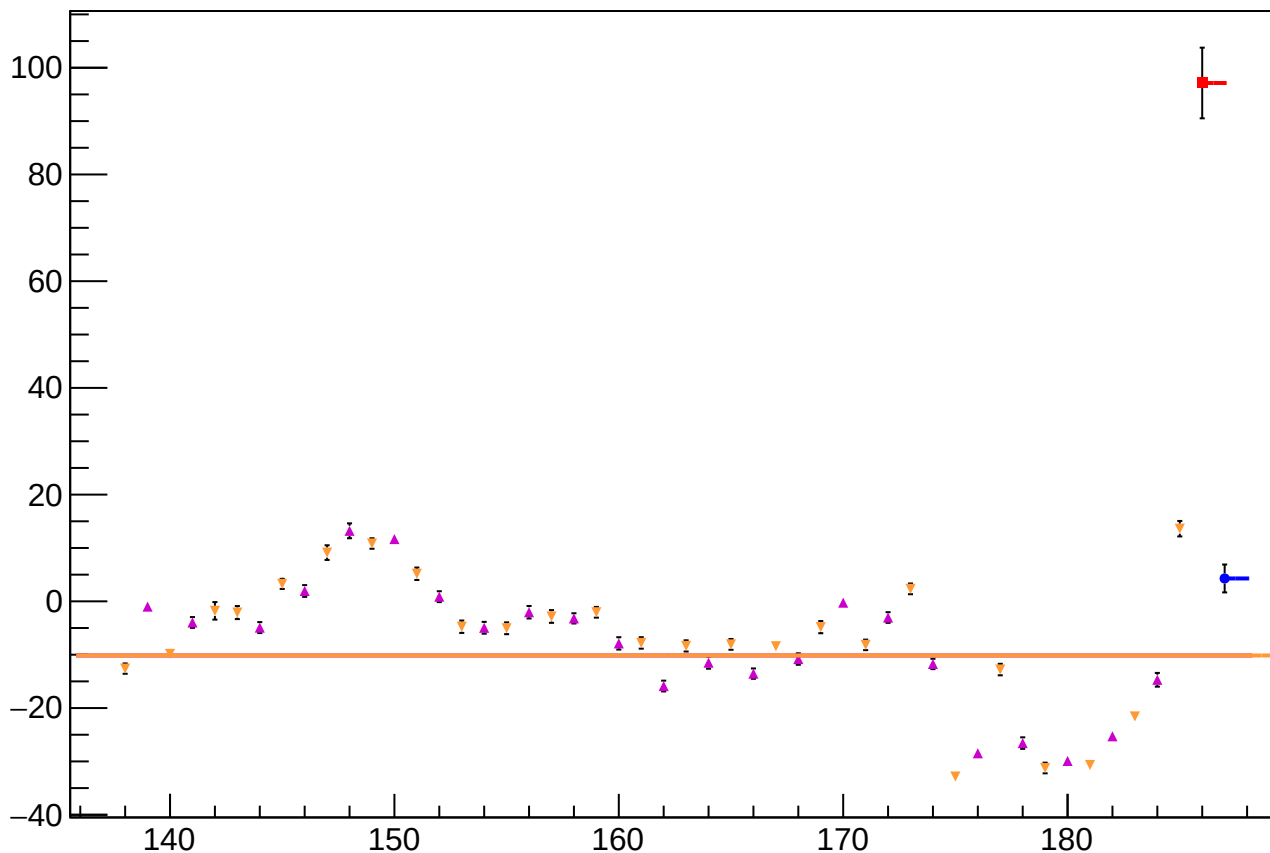
reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.192 ± 0.048 χ^2/NDF : 625.2/17
 Left Out: -0.787 ± 0.017 χ^2/NDF : 1760.7/24
 Right Out: -1.369 ± 0.046 χ^2/NDF : 1020.5/19
 Left In: -0.702 ± 0.017 χ^2/NDF : 2421.3/22

Left: -0.745 ± 0.012 χ^2/NDF : 4194.8/47
 Right: -1.285 ± 0.033 χ^2/NDF : 1652.8/37
 In: -0.756 ± 0.016 χ^2/NDF : 3139.3/40
 Out: -0.855 ± 0.016 χ^2/NDF : 2924.3/44
 All: -0.806 ± 0.011 χ^2/NDF : 6083.3/85

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.287+/-2.614 χ^2/NDF : 0.0/0

Left Out: -10.147+/-0.202 χ^2/NDF : 4128.5/24

Right Out: 97.143+/-6.619 χ^2/NDF : 0.0/0

Left In: -10.149+/-0.204 χ^2/NDF : 3491.7/22

Left: -10.148+/-0.143 χ^2/NDF : 7620.2/47

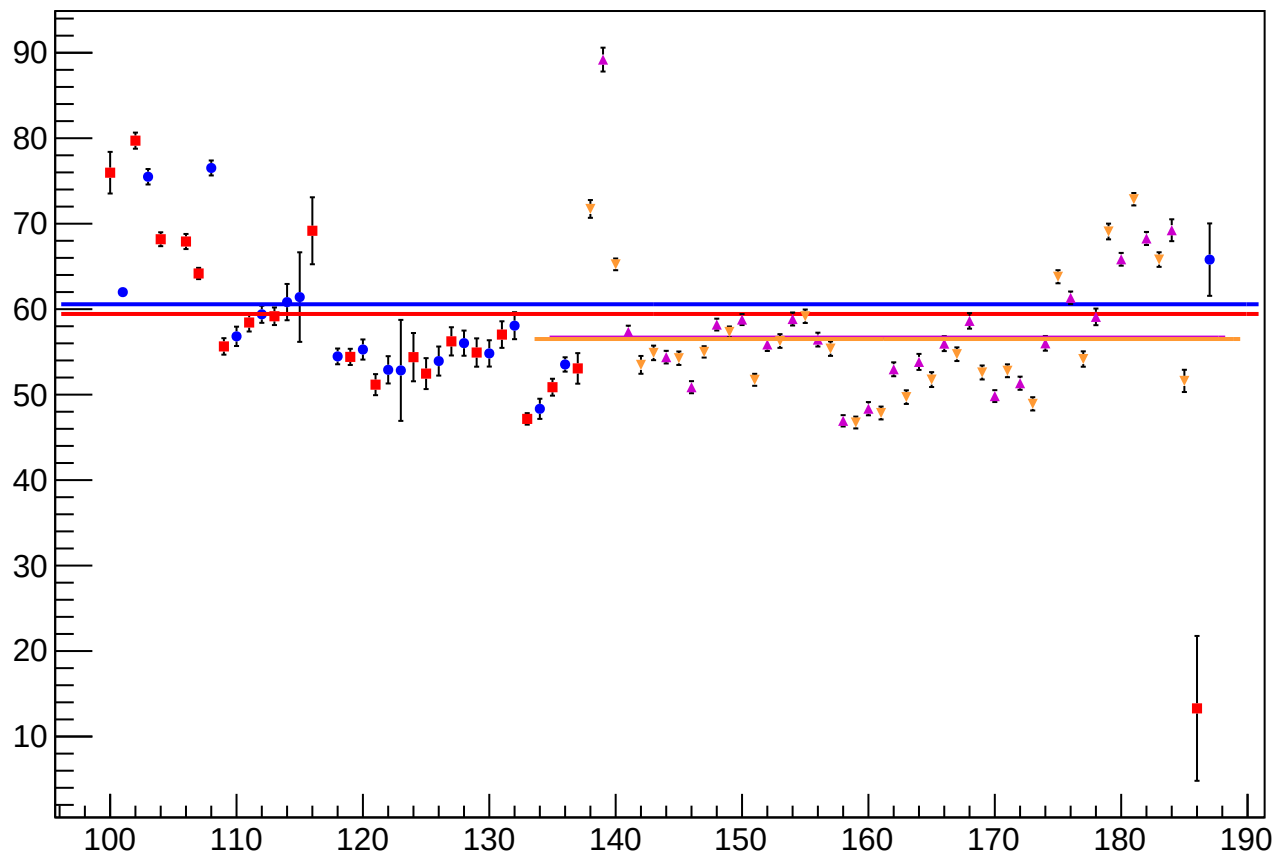
Right: 16.818+/-2.432 χ^2/NDF : 170.2/1

In: -10.061+/-0.203 χ^2/NDF : 3522.0/23

Out: -10.048+/-0.202 χ^2/NDF : 4391.0/25

All: -10.054+/-0.143 χ^2/NDF : 7913.0/49

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.574 $\pm$ 0.261 χ^2 /NDF: 932.3/17

Left Out: 56.508 $\pm$ 0.159 χ^2 /NDF:1962.3/24

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1346.7/19

Left In: 56.674 $\pm$ 0.165 χ^2 /NDF:1679.8/22

Left: 56.588 $\pm$ 0.114 χ^2 /NDF: 3642.7/47

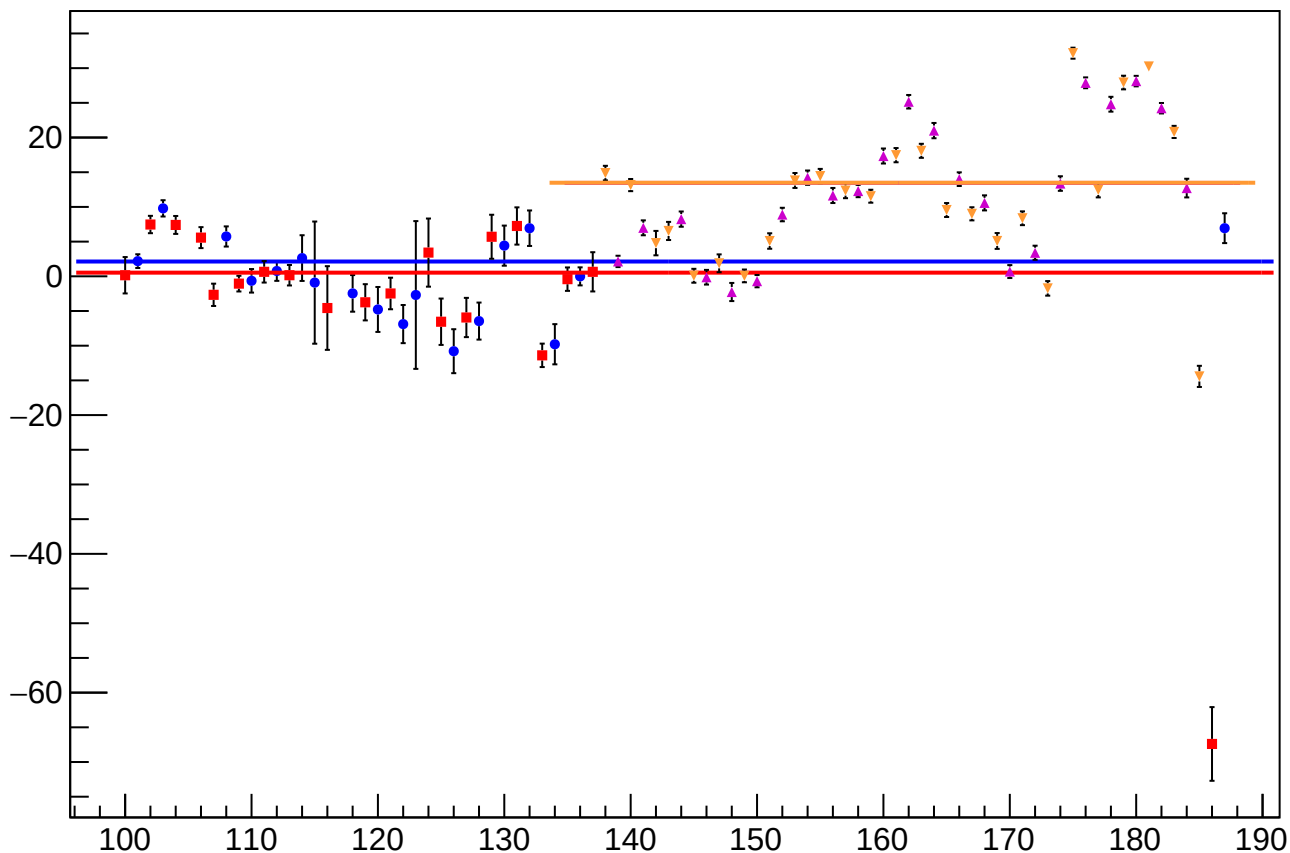
Right: 59.976 $\pm$ 0.180 χ^2 /NDF: 2288.9/37

In: 57.784 $\pm$ 0.139 χ^2 /NDF:2771.7/40

Out: 57.365 $\pm$ 0.134 χ^2 /NDF:3407.9/44

All: 57.566 $\pm$ 0.097 χ^2 /NDF: 6184.4/85

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.132 ± 0.448 χ^2/NDF : 126.8/17

Left Out: 13.485 ± 0.202 χ^2/NDF : 2731.0/24

Right Out: 0.527 ± 0.423 χ^2/NDF : 314.1/19

Left In: 13.456 ± 0.203 χ^2/NDF : 2371.9/22

Left: 13.471 ± 0.143 χ^2/NDF : 5102.9/47

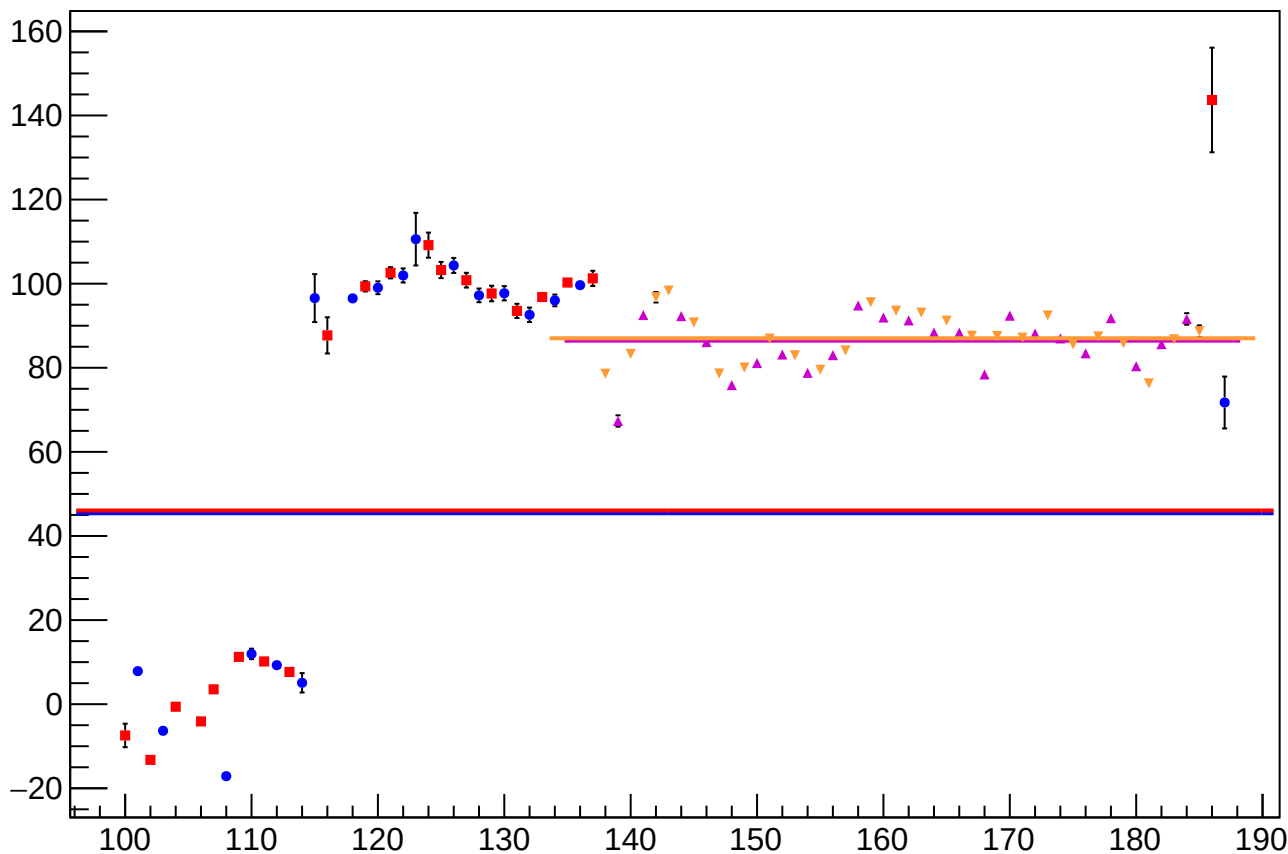
Right: 1.283 ± 0.307 χ^2/NDF : 447.7/37

In: 11.524 ± 0.185 χ^2/NDF : 3029.3/40

Out: 11.080 ± 0.182 χ^2/NDF : 3809.9/44

All: 11.299 ± 0.130 χ^2/NDF : 6842.1/85

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.407 $\pm$ 0.303 χ^2 /NDF: 25089.3/17

Left Out: 87.023 $\pm$ 0.179 χ^2 /NDF:1057.2/24

Right Out: 46.060 $\pm$ 0.289 χ^2 /NDF: 28281.5/19

Left In: 86.443 $\pm$ 0.184 χ^2 /NDF:1038.6/22

Left: 86.740 $\pm$ 0.128 χ^2 /NDF: 2100.8/47

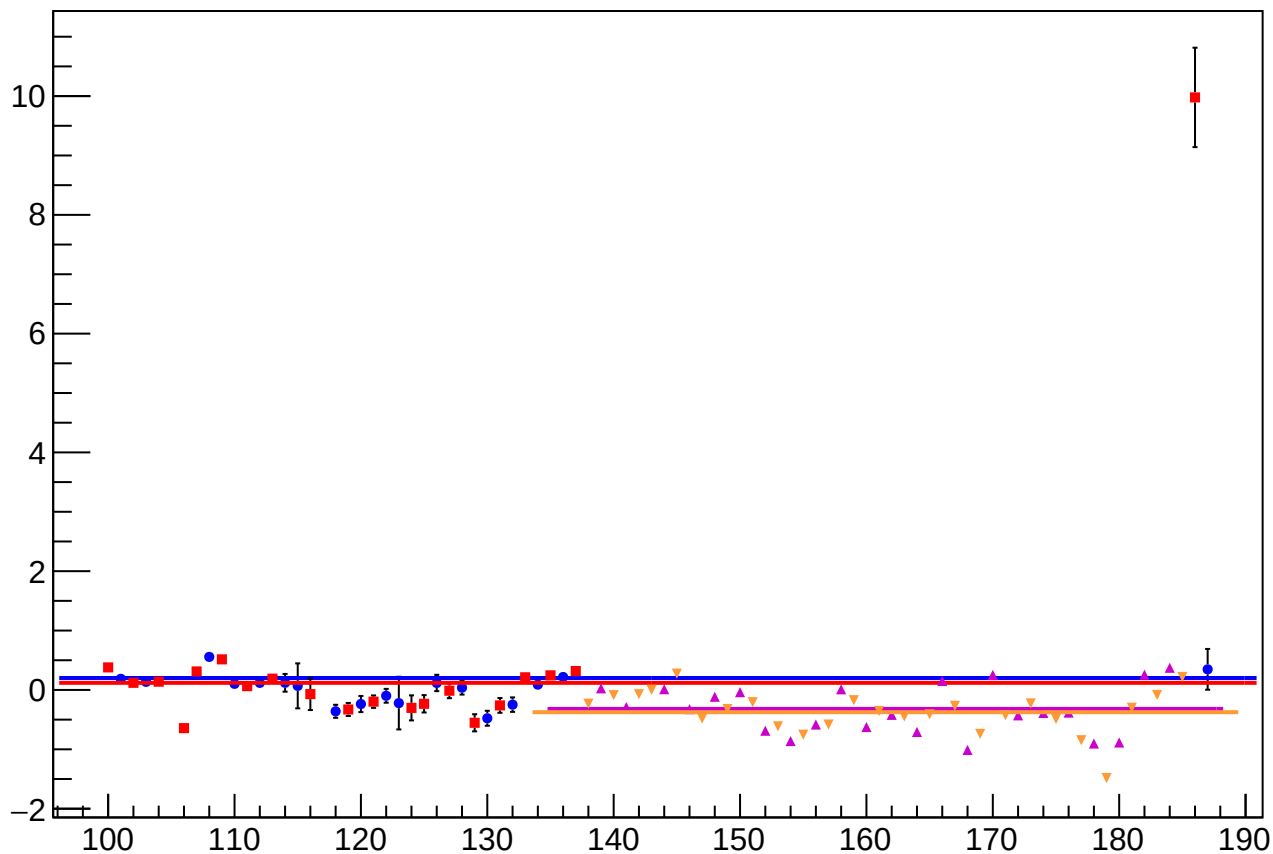
Right: 45.748 $\pm$ 0.209 χ^2 /NDF: 53373.2/37

In: 75.381 $\pm$ 0.157 χ^2 /NDF:39536.6/40

Out: 75.644 $\pm$ 0.153 χ^2 /NDF:43809.1/44

All: 75.516 $\pm$ 0.109 χ^2 /NDF: 83347.2/85

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 218.0/17

Left Out: -0.375 ± 0.008 χ^2/NDF : 1657.5/24

Right Out: 0.120 ± 0.013 χ^2/NDF : 638.7/19

Left In: -0.320 ± 0.008 χ^2/NDF : 2325.0/22

Left: -0.348 ± 0.006 χ^2/NDF : 4005.2/47

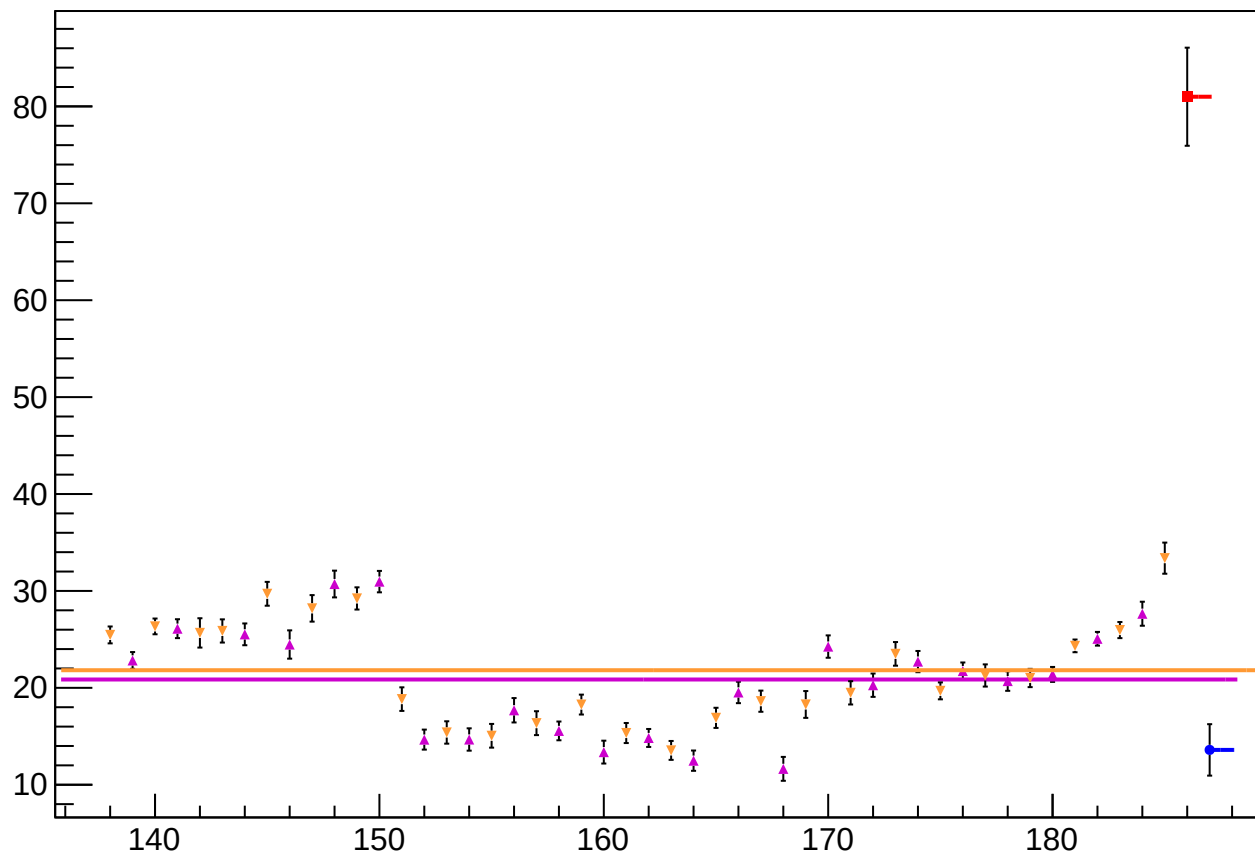
Right: 0.157 ± 0.010 χ^2/NDF : 874.9/37

In: -0.188 ± 0.007 χ^2/NDF : 3576.1/40

Out: -0.236 ± 0.007 χ^2/NDF : 3334.1/44

All: -0.213 ± 0.005 χ^2/NDF : 6933.4/85

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 13.595+/-2.654 χ^2/NDF : 0.0/0

Left Out: 21.818+/-0.210 χ^2/NDF : 522.7/24

Right Out: 80.998+/-5.062 χ^2/NDF : 0.0/0

Left In: 20.860+/-0.216 χ^2/NDF : 575.5/22

Left: 21.351+/-0.151 χ^2/NDF : 1108.3/47

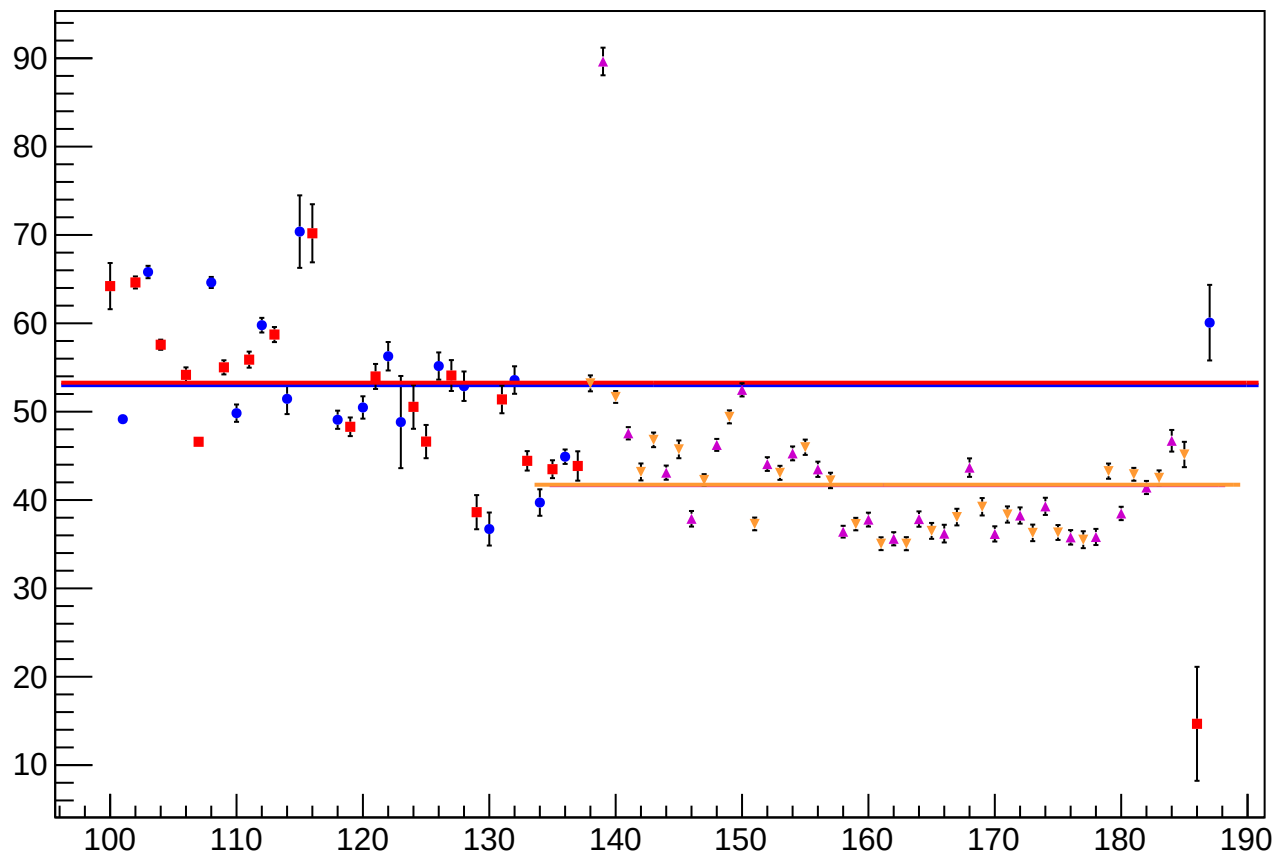
Right: 28.130+/-2.351 χ^2/NDF : 139.1/1

In: 20.813+/-0.215 χ^2/NDF : 583.0/23

Out: 21.920+/-0.210 χ^2/NDF : 659.1/25

All: 21.379+/-0.150 χ^2/NDF : 1255.7/49

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.998 $\pm$ 0.210 χ^2 /NDF: 1200.5/17

Left Out: 41.732 $\pm$ 0.166 χ^2 /NDF:1014.0/24

Right Out: 53.280 $\pm$ 0.227 χ^2 /NDF: 908.6/19

Left In: 41.682 $\pm$ 0.173 χ^2 /NDF:1715.9/22

Left: 41.709 $\pm$ 0.120 χ^2 /NDF: 2729.9/47

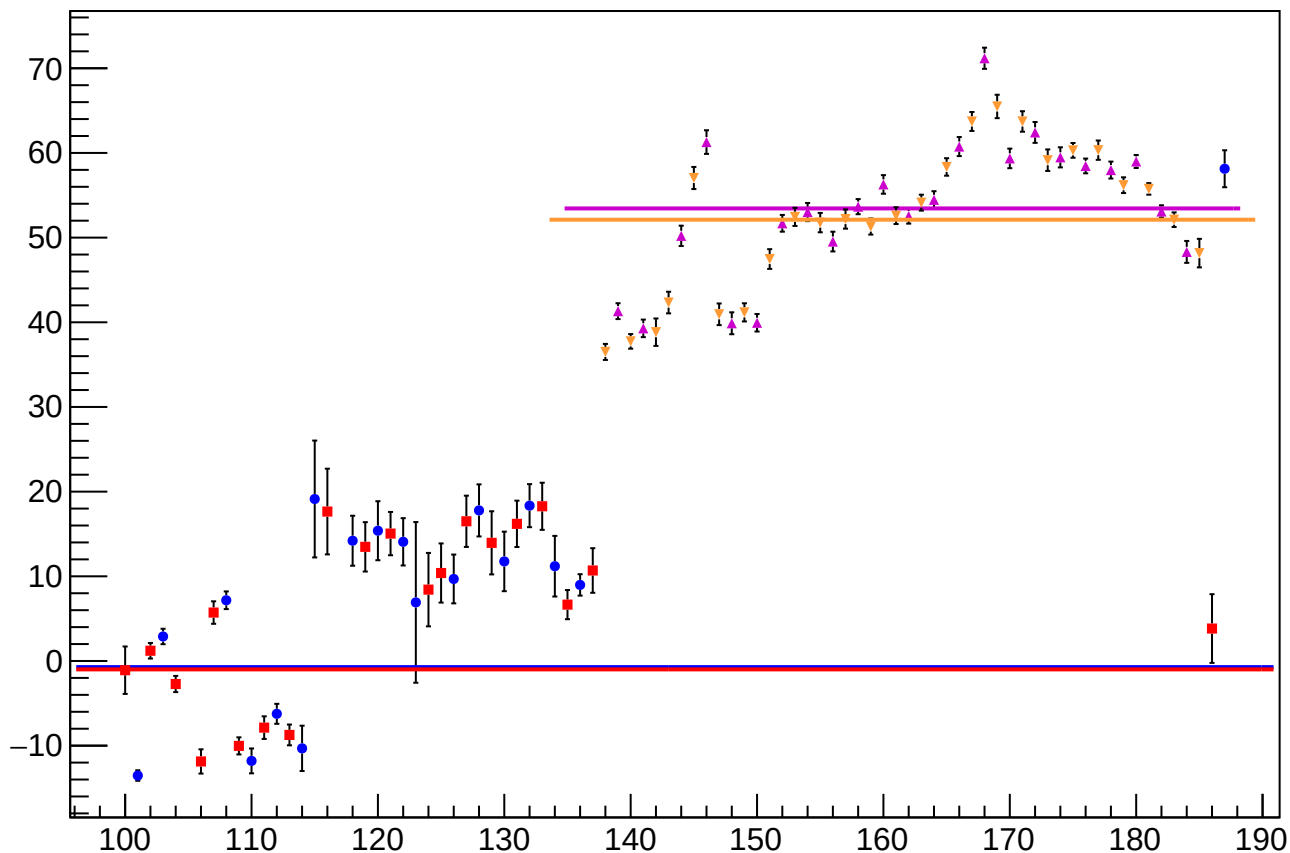
Right: 53.128 $\pm$ 0.154 χ^2 /NDF: 2109.9/37

In: 46.272 $\pm$ 0.134 χ^2 /NDF:4643.6/40

Out: 45.762 $\pm$ 0.134 χ^2 /NDF:3614.1/44

All: 46.017 $\pm$ 0.095 χ^2 /NDF: 8265.0/85

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.724 ± 0.359 χ^2/NDF : 1588.9/17

Left Out: 52.116 ± 0.210 χ^2/NDF : 1445.4/24

Right Out: -0.993 ± 0.375 χ^2/NDF : 509.2/19

Left In: 53.447 ± 0.214 χ^2/NDF : 1167.6/22

Left: 52.769 ± 0.150 χ^2/NDF : 2632.6/47

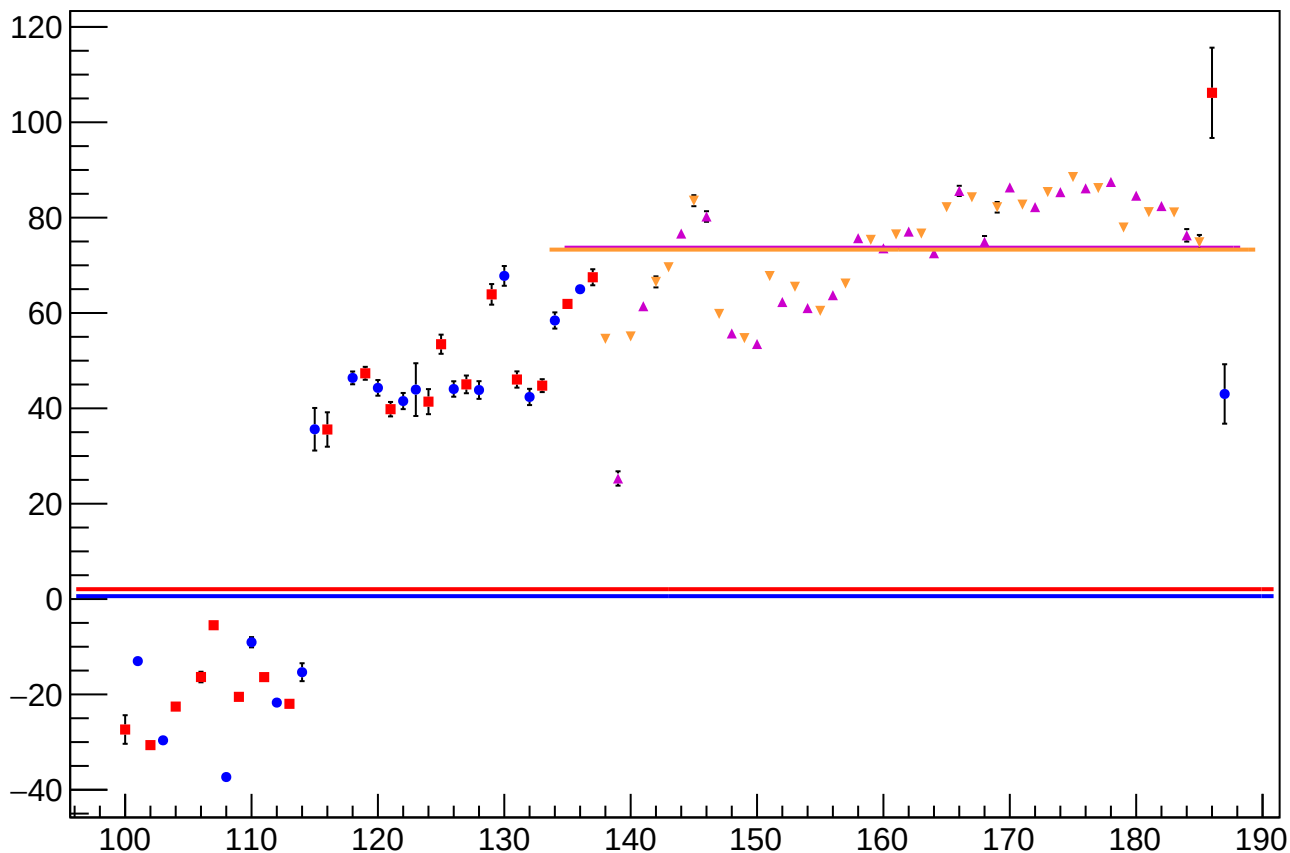
Right: -0.852 ± 0.259 χ^2/NDF : 2098.4/37

In: 39.195 ± 0.184 χ^2/NDF : 19548.4/40

Out: 39.411 ± 0.184 χ^2/NDF : 17190.2/44

All: 39.304 ± 0.130 χ^2/NDF : 36739.3/85

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.608 $\pm$ 0.247 χ^2 /NDF: 18470.2/17

Left Out: 73.294 $\pm$ 0.187 χ^2 /NDF:3148.2/24

Right Out: 2.072 $\pm$ 0.266 χ^2 /NDF: 15597.7/19

Left In: 73.699 $\pm$ 0.194 χ^2 /NDF:3901.1/22

Left: 73.489 $\pm$ 0.135 χ^2 /NDF: 7051.6/47

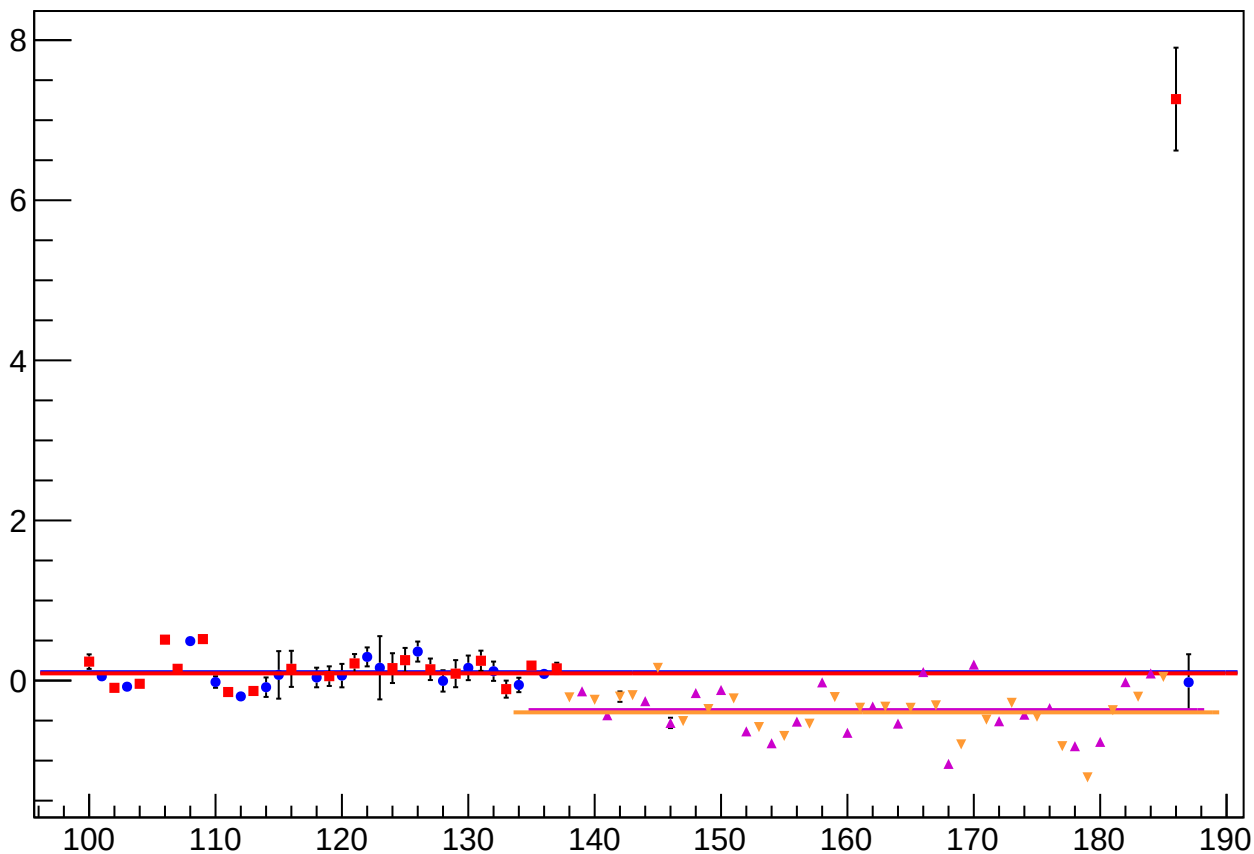
Right: 1.283 $\pm$ 0.181 χ^2 /NDF: 34084.1/37

In: 45.769 $\pm$ 0.152 χ^2 /NDF:76691.1/40

Out: 49.728 $\pm$ 0.153 χ^2 /NDF:66566.6/44

All: 47.738 $\pm$ 0.108 χ^2 /NDF: 143593.3/85

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.9/17$

Left Out: -0.397 ± 0.009 $\chi^2/\text{NDF}: 943.5/24$

Right Out: 0.090 ± 0.011 $\chi^2/\text{NDF}: 515.6/19$

Left In: -0.369 ± 0.009 $\chi^2/\text{NDF}: 1322.7/22$

Left: -0.383 ± 0.006 $\chi^2/\text{NDF}: 2271.6/47$

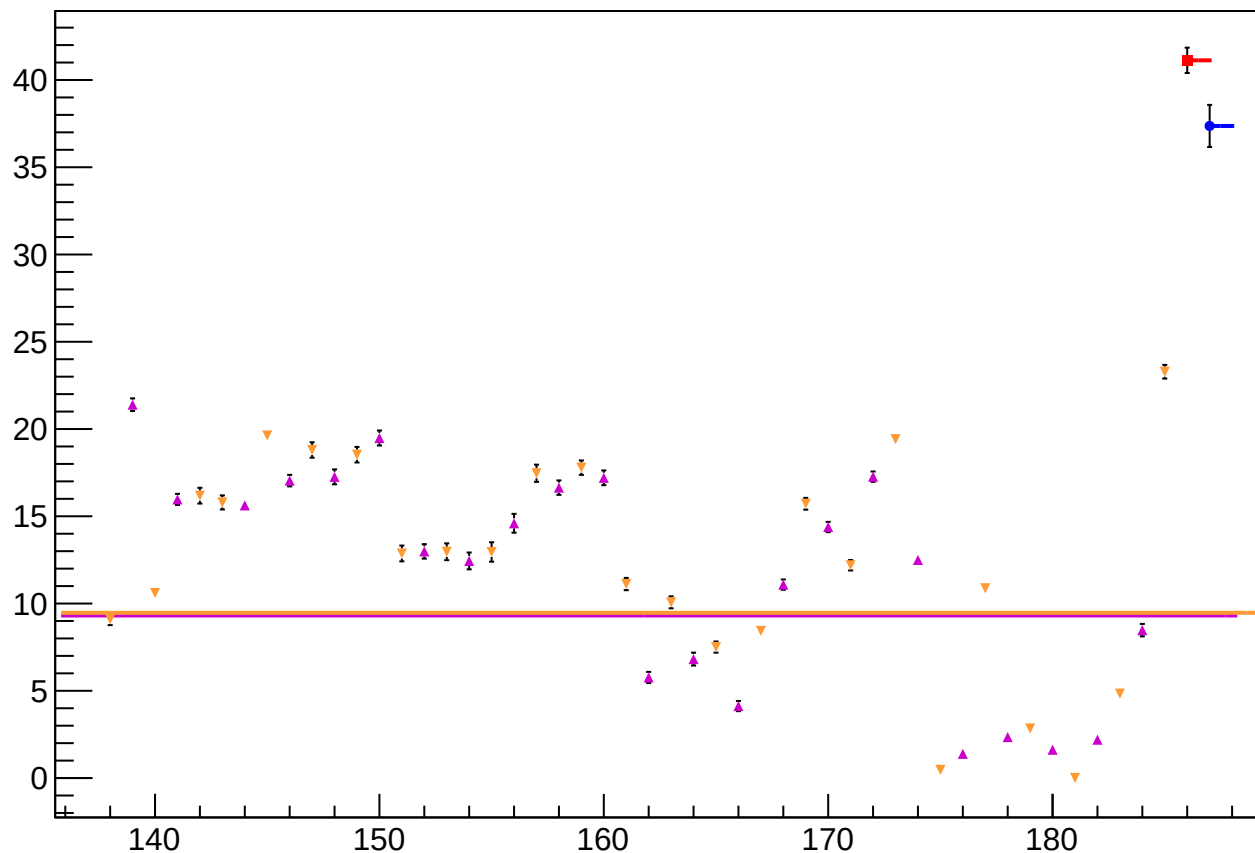
Right: 0.097 ± 0.008 $\chi^2/\text{NDF}: 917.4/37$

In: -0.188 ± 0.007 $\chi^2/\text{NDF}: 2864.7/40$

Out: -0.213 ± 0.007 $\chi^2/\text{NDF}: 2679.3/44$

All: -0.201 ± 0.005 $\chi^2/\text{NDF}: 5550.9/85$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 37.366+/-1.208 χ^2/NDF : 0.0/0

Left Out: 9.470+/-0.061 χ^2/NDF :12578.0/24

Right Out: 41.126+/-0.726 χ^2/NDF : 0.0/0

Left In: 9.315+/-0.063 χ^2/NDF :11007.3/22

Left: 9.394+/-0.044 χ^2/NDF : 23588.5/47

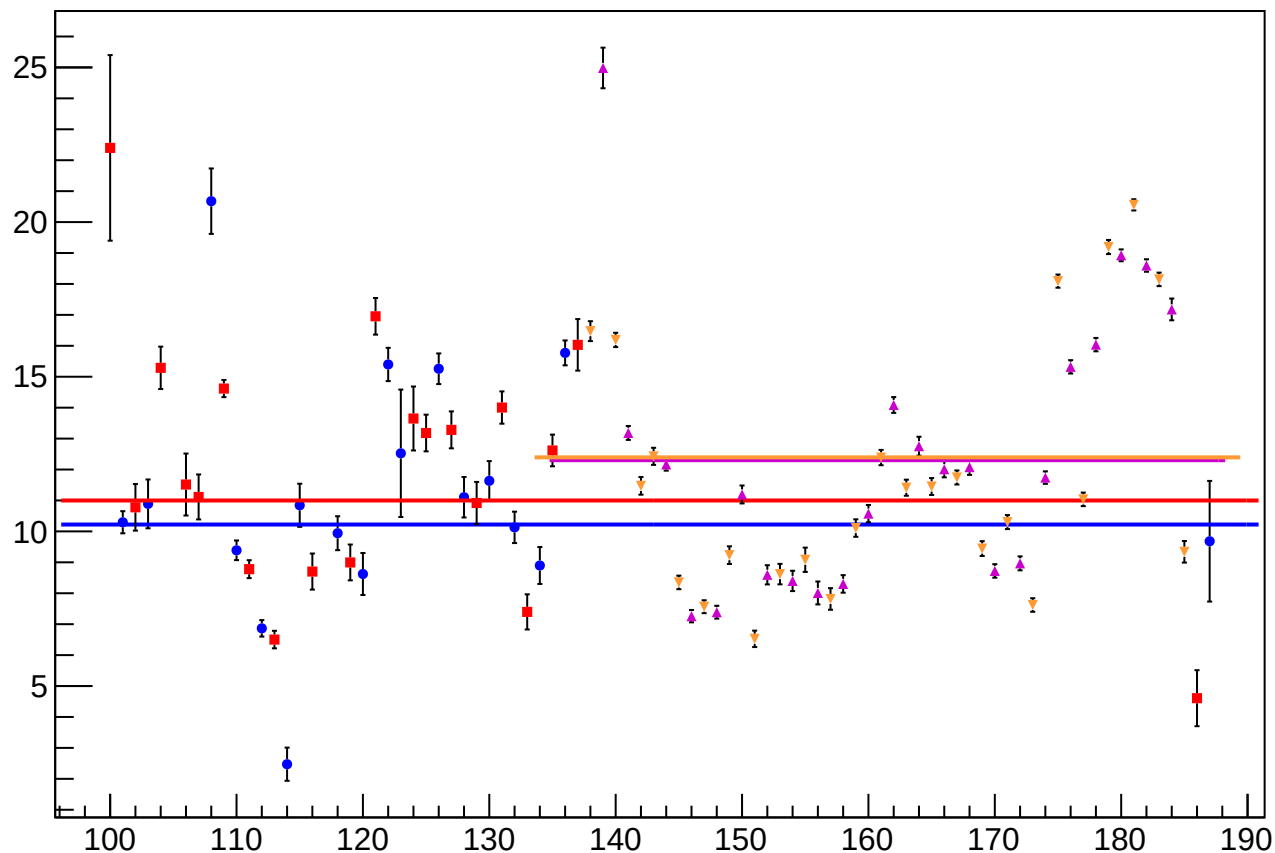
Right: 40.127+/-0.623 χ^2/NDF : 7.1/1

In: 9.390+/-0.063 χ^2/NDF :11545.1/23

Out: 9.694+/-0.061 χ^2/NDF :14463.4/25

All: 9.546+/-0.044 χ^2/NDF : 26020.4/49

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.222 $\pm$ 0.119 χ^2 /NDF: 877.7/17

Left Out: 12.393 $\pm$ 0.050 χ^2 /NDF: 7525.9/24

Right Out: 10.999 $\pm$ 0.115 χ^2 /NDF: 867.8/19

Left In: 12.302 $\pm$ 0.051 χ^2 /NDF: 5661.3/22

Left: 12.349 $\pm$ 0.036 χ^2 /NDF: 13188.8/47

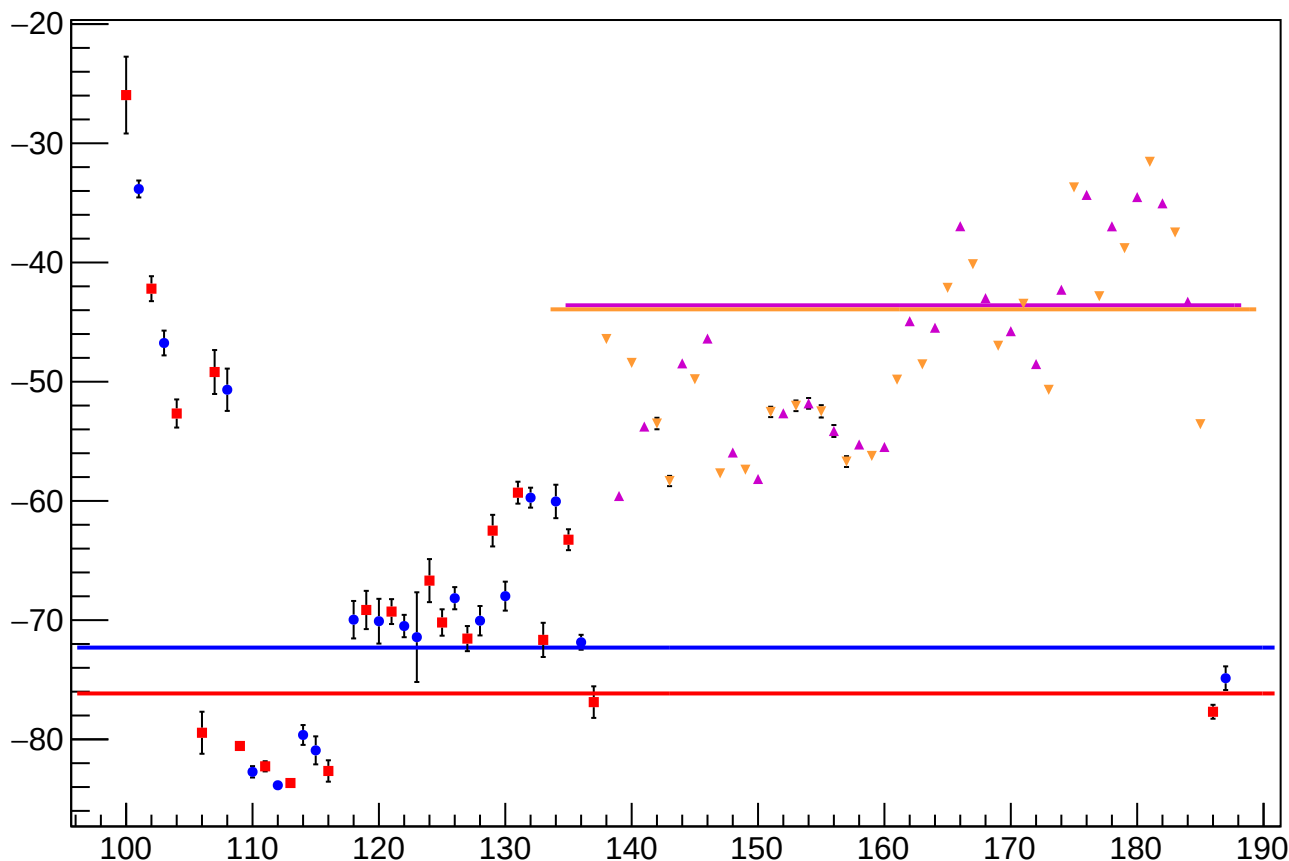
Right: 10.621 $\pm$ 0.083 χ^2 /NDF: 1767.5/37

In: 11.977 $\pm$ 0.047 χ^2 /NDF: 6798.1/40

Out: 12.174 $\pm$ 0.046 χ^2 /NDF: 8516.7/44

All: 12.078 $\pm$ 0.033 χ^2 /NDF: 15323.9/85

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



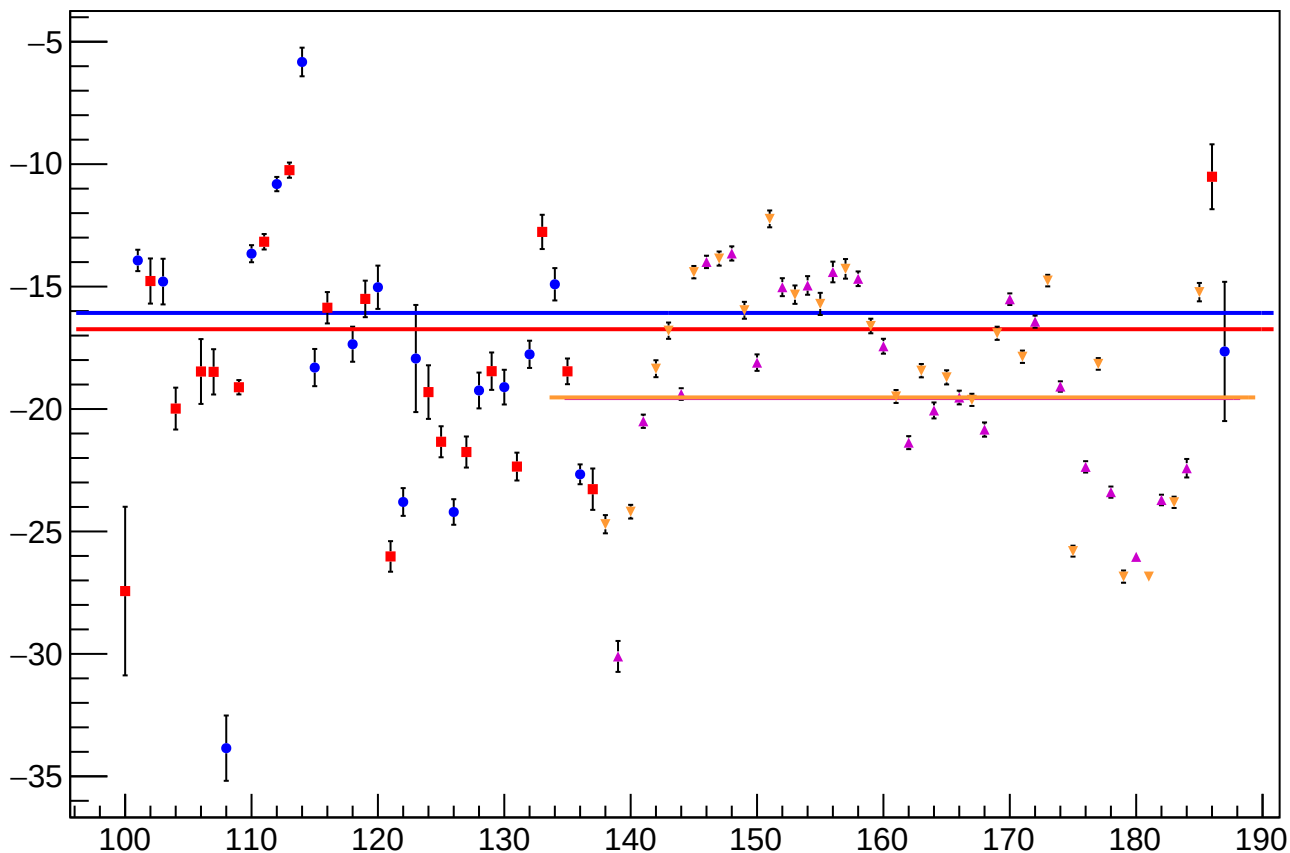
Right In: -72.303 ± 0.194 $\chi^2/\text{NDF}: 5573.9/17$
 Left Out: -43.930 ± 0.062 $\chi^2/\text{NDF}: 17576.0/24$
 Right Out: -76.150 ± 0.173 $\chi^2/\text{NDF}: 3473.0/19$
 Left In: -43.591 ± 0.063 $\chi^2/\text{NDF}: 15574.9/22$

Left: -43.763 ± 0.044 $\chi^2/\text{NDF}: 33165.5/47$
 Right: -74.447 ± 0.129 $\chi^2/\text{NDF}: 9266.3/37$

In: -46.339 ± 0.060 $\chi^2/\text{NDF}: 40979.1/40$
 Out: -47.606 ± 0.058 $\chi^2/\text{NDF}: 51839.9/44$

All: -46.990 ± 0.042 $\chi^2/\text{NDF}: 93048.4/85$

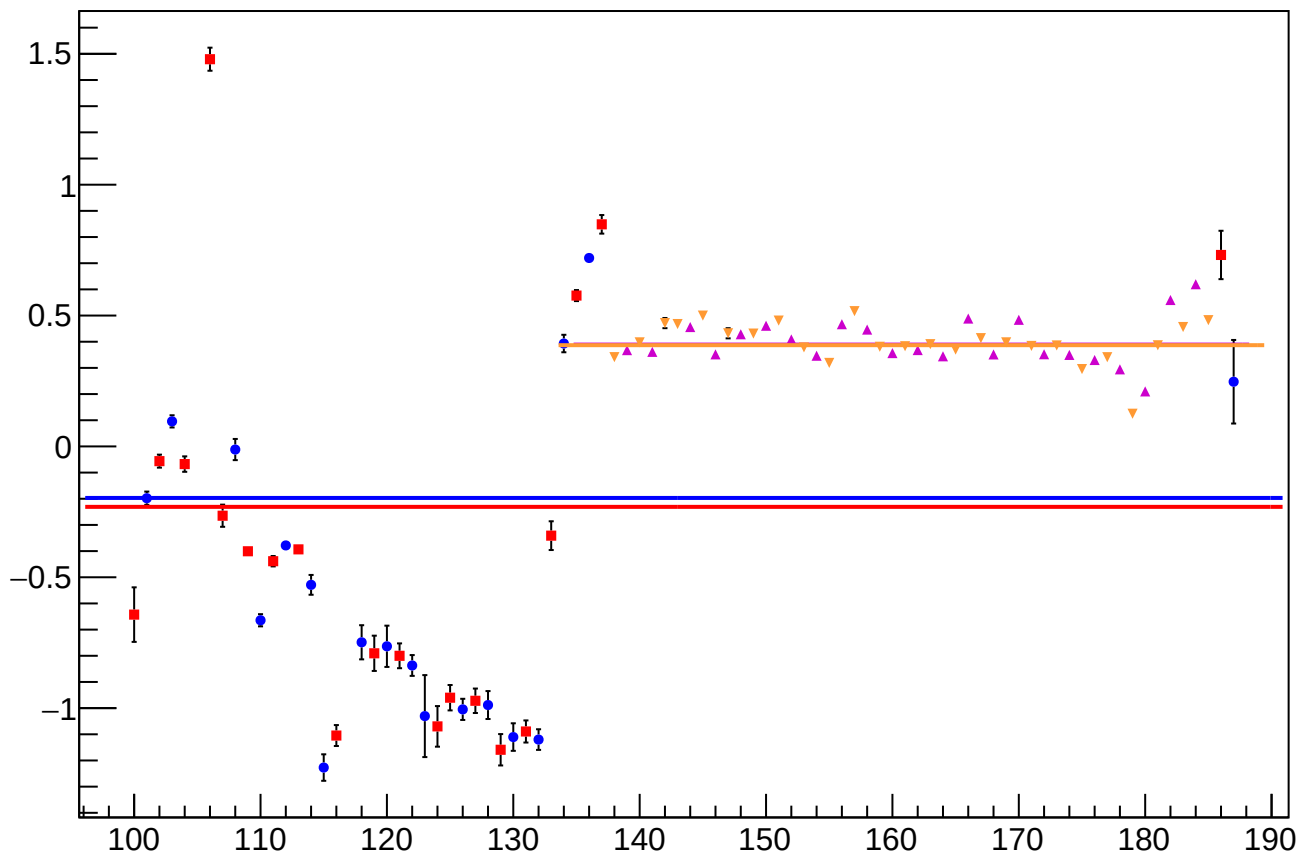
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.076 ± 0.132 χ^2/NDF : 1641.2/17
 Left Out: -19.526 ± 0.056 χ^2/NDF : 6493.0/24
 Right Out: -16.741 ± 0.128 χ^2/NDF : 1238.0/19
 Left In: -19.552 ± 0.057 χ^2/NDF : 4359.1/22

Left: -19.539 ± 0.040 χ^2/NDF : 10852.2/47
 Right: -16.420 ± 0.092 χ^2/NDF : 2892.4/37
 In: -19.004 ± 0.052 χ^2/NDF : 6584.7/40
 Out: -19.078 ± 0.051 χ^2/NDF : 8131.0/44
 All: -19.041 ± 0.037 χ^2/NDF : 14716.8/85

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.197 ± 0.008 χ^2/NDF : 6346.5/17

Left Out: 0.387 ± 0.003 χ^2/NDF : 989.2/24

Right Out: -0.231 ± 0.007 χ^2/NDF : 6331.0/19

Left In: 0.389 ± 0.003 χ^2/NDF : 1257.1/22

Left: 0.388 ± 0.002 χ^2/NDF : 2246.7/47

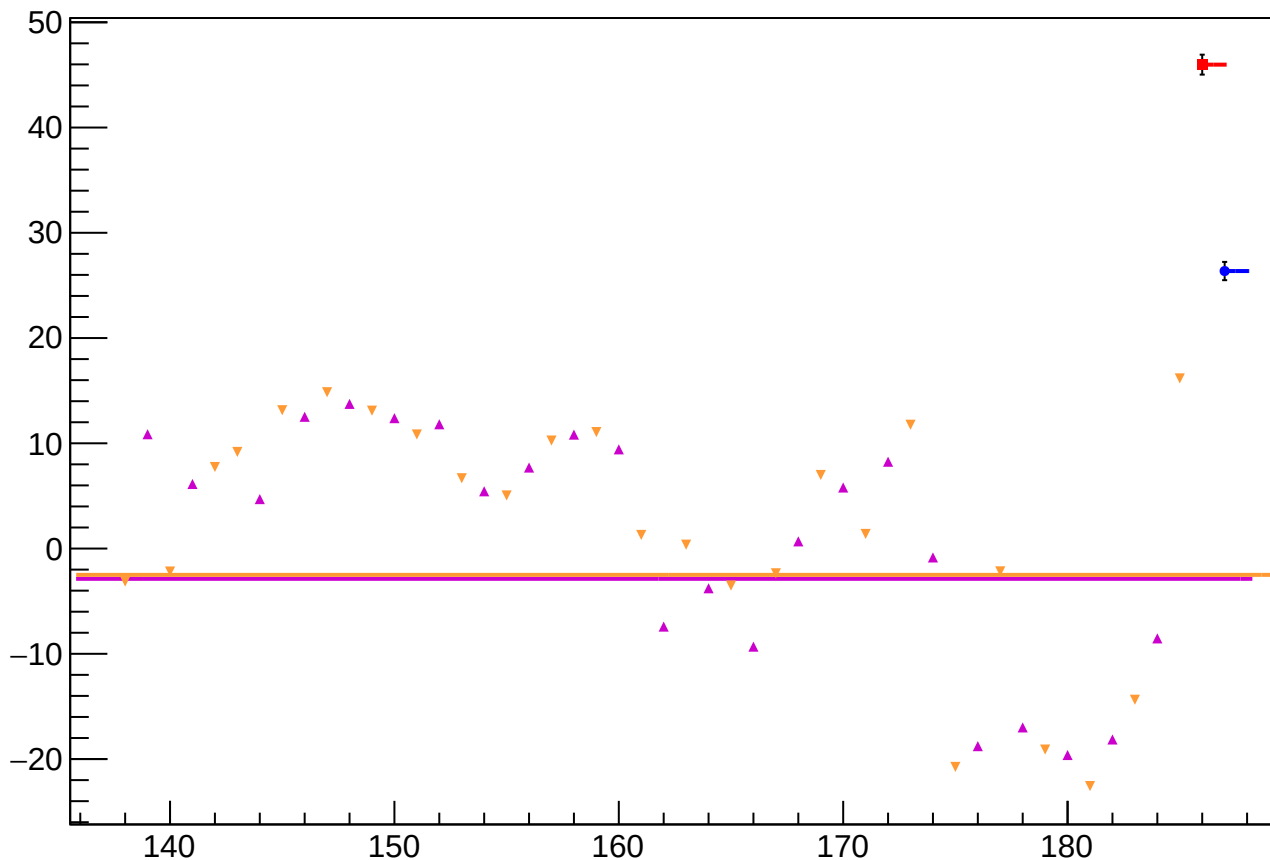
Right: -0.215 ± 0.005 χ^2/NDF : 12688.3/37

In: 0.326 ± 0.002 χ^2/NDF : 13013.6/40

Out: 0.316 ± 0.002 χ^2/NDF : 13935.5/44

All: 0.321 ± 0.002 χ^2/NDF : 26957.3/85

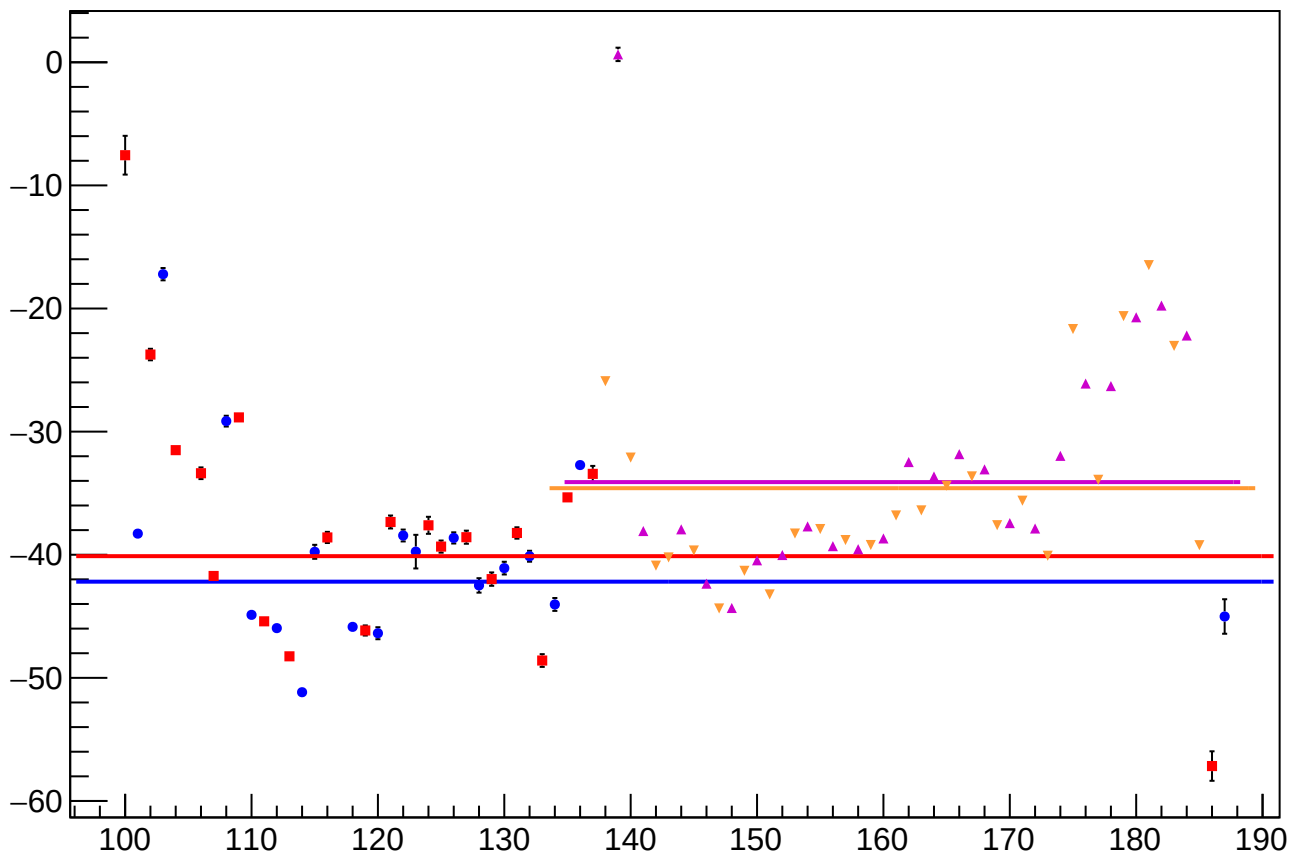
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 26.366 $\pm$ 0.868 χ^2 /NDF: 0.0/0
 Left Out: -2.499 $\pm$ 0.053 χ^2 /NDF: 55930.9/24
 Right Out: 45.976 $\pm$ 0.947 χ^2 /NDF: 0.0/0
 Left In: -2.876 $\pm$ 0.055 χ^2 /NDF: 46380.9/22

Left: -2.681 $\pm$ 0.038 χ^2 /NDF: 102336.4/47
 Right: 35.314 $\pm$ 0.640 χ^2 /NDF: 232.9/1
 In: -2.761 $\pm$ 0.055 χ^2 /NDF: 47511.5/23
 Out: -2.348 $\pm$ 0.053 χ^2 /NDF: 58540.6/25
 All: -2.548 $\pm$ 0.038 χ^2 /NDF: 106081.6/49

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.187 ± 0.078 $\chi^2/\text{NDF}: 6577.8/17$

Left Out: -34.594 ± 0.042 $\chi^2/\text{NDF}: 34404.6/24$

Right Out: -40.115 ± 0.073 $\chi^2/\text{NDF}: 11516.9/19$

Left In: -34.099 ± 0.044 $\chi^2/\text{NDF}: 29370.6/22$

Left: -34.358 ± 0.030 $\chi^2/\text{NDF}: 63841.7/47$

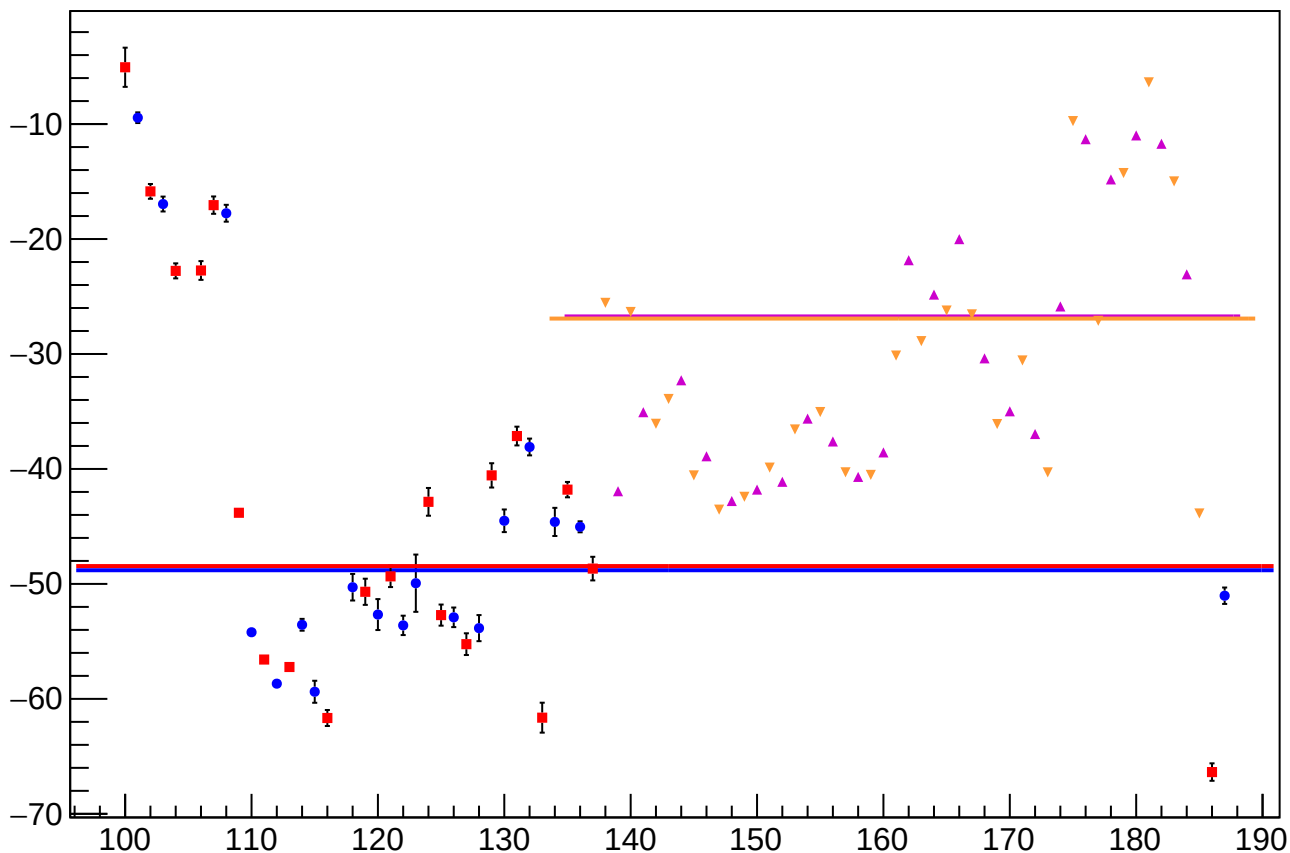
Right: -41.082 ± 0.053 $\chi^2/\text{NDF}: 18474.5/37$

In: -36.055 ± 0.038 $\chi^2/\text{NDF}: 44175.7/40$

Out: -35.975 ± 0.036 $\chi^2/\text{NDF}: 50252.0/44$

All: -36.013 ± 0.026 $\chi^2/\text{NDF}: 94430.0/85$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.810 $\pm$ 0.123 χ^2 /NDF: 14668.5/17

Left Out: -26.920 $\pm$ 0.053 χ^2 /NDF: 49198.9/24

Right Out: -48.448 $\pm$ 0.106 χ^2 /NDF: 12299.6/19

Left In: -26.733 $\pm$ 0.055 χ^2 /NDF: 42643.0/22

Left: -26.829 $\pm$ 0.038 χ^2 /NDF: 91847.9/47

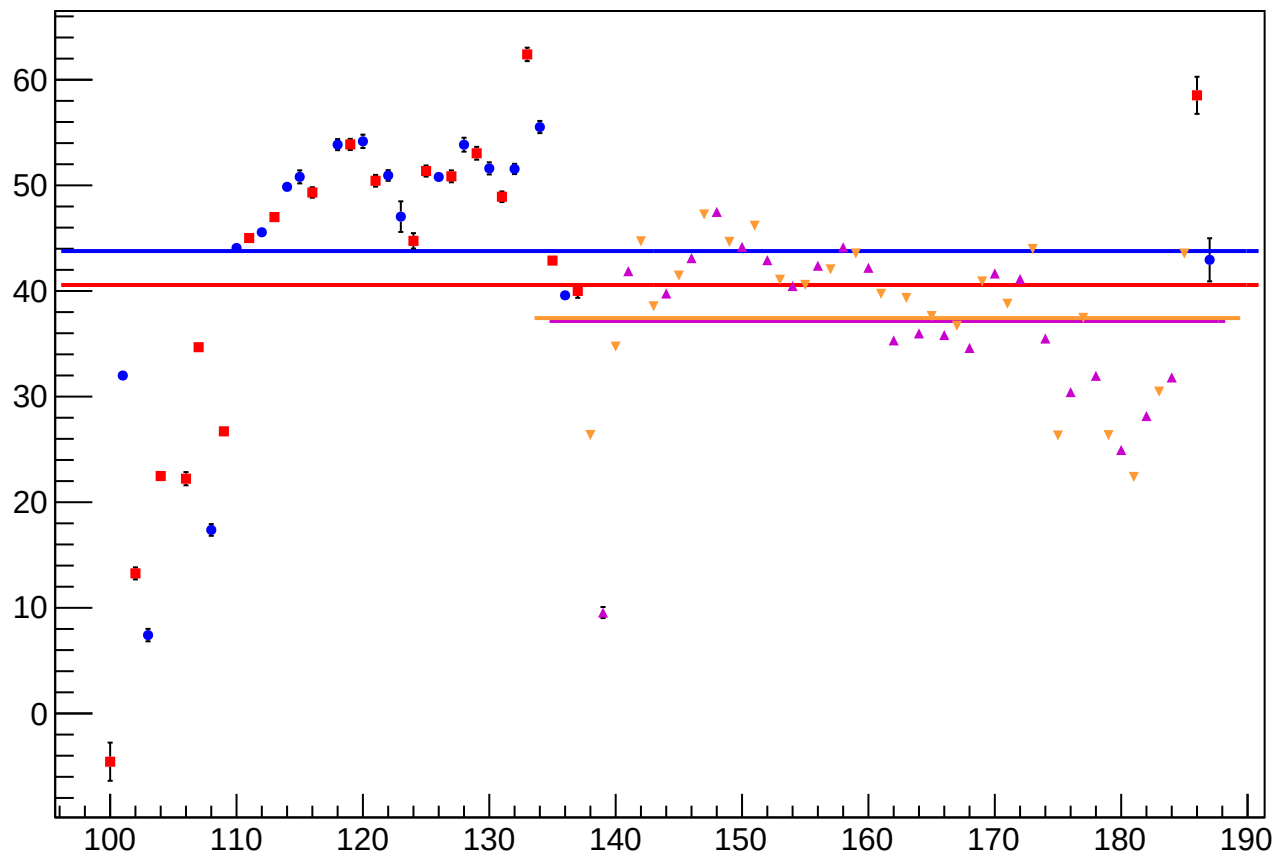
Right: -48.604 $\pm$ 0.080 χ^2 /NDF: 26973.0/37

In: -30.402 $\pm$ 0.050 χ^2 /NDF: 84360.1/40

Out: -31.258 $\pm$ 0.048 χ^2 /NDF: 94332.0/44

All: -30.850 $\pm$ 0.034 χ^2 /NDF: 178845.7/85

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.781 $\pm$ 0.087 χ^2 /NDF: 10638.9/17

Left Out: 37.435 $\pm$ 0.047 χ^2 /NDF:21517.4/24

Right Out: 40.568 $\pm$ 0.080 χ^2 /NDF: 17685.2/19

Left In: 37.164 $\pm$ 0.049 χ^2 /NDF:17427.3/22

Left: 37.305 $\pm$ 0.034 χ^2 /NDF: 38960.5/47

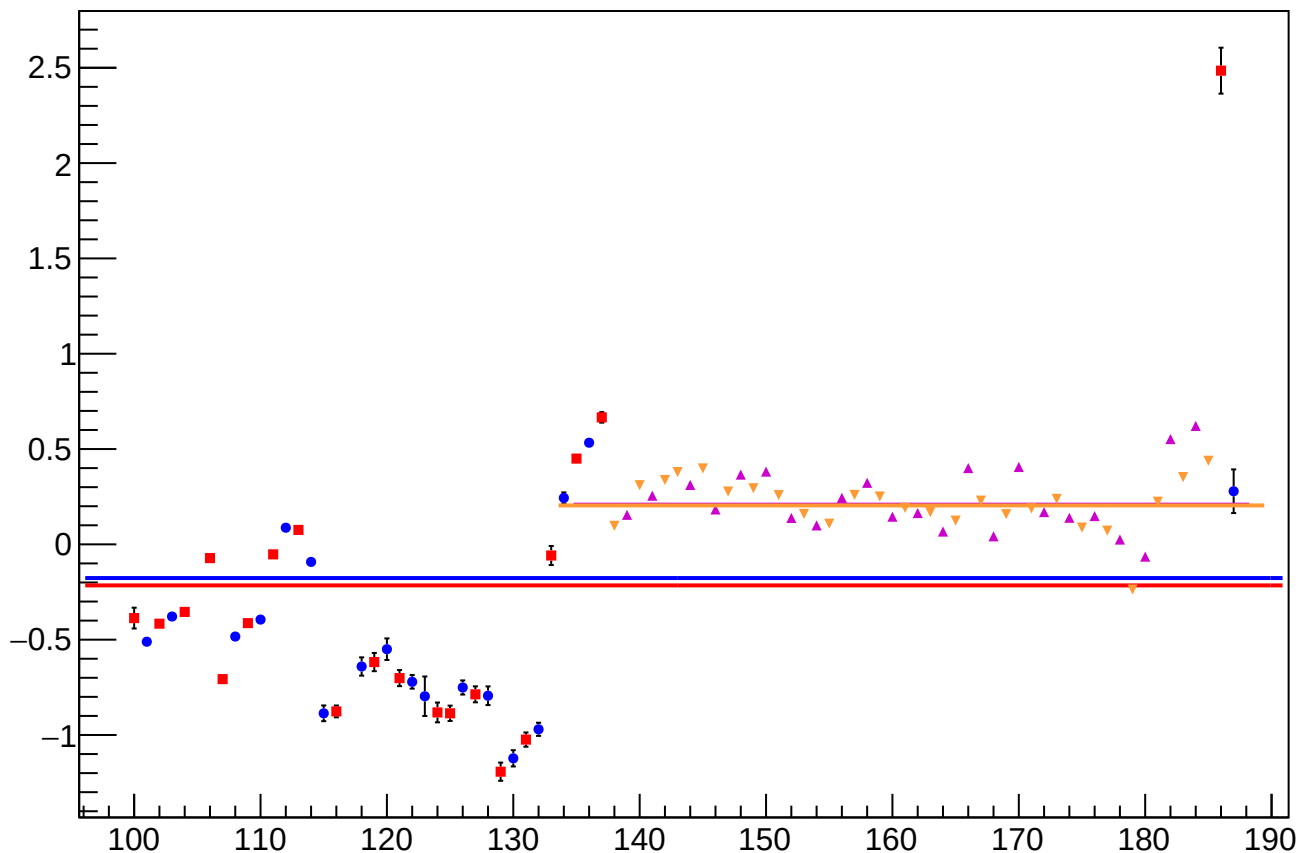
Right: 42.050 $\pm$ 0.059 χ^2 /NDF: 29066.4/37

In: 38.776 $\pm$ 0.043 χ^2 /NDF:32486.8/40

Out: 38.246 $\pm$ 0.041 χ^2 /NDF:40336.5/44

All: 38.498 $\pm$ 0.029 χ^2 /NDF: 72903.9/85

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7391.7/17

Left Out: 0.204 ± 0.002 χ^2/NDF : 3801.8/24

Right Out: -0.215 ± 0.004 χ^2/NDF : 7972.1/19

Left In: 0.208 ± 0.002 χ^2/NDF : 5095.2/22

Left: 0.206 ± 0.002 χ^2/NDF : 8898.7/47

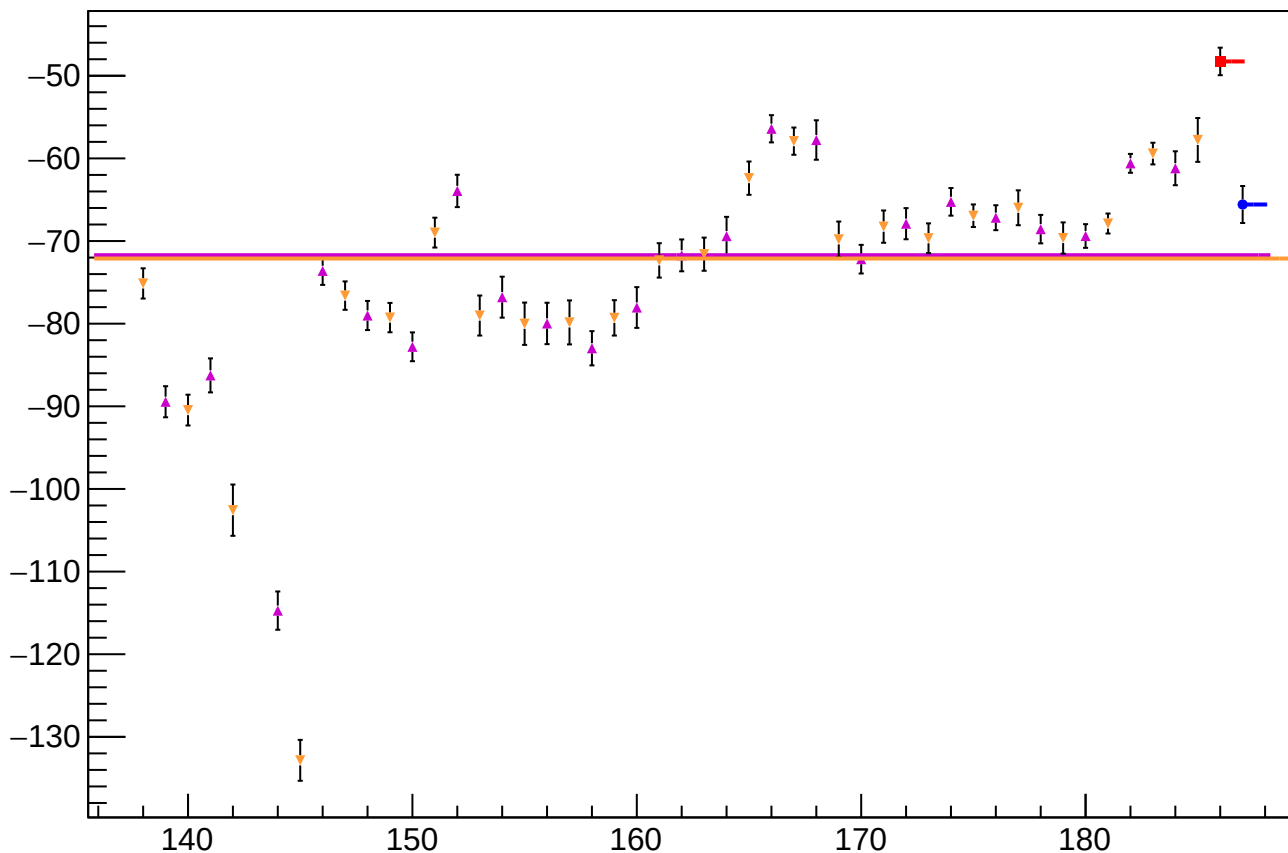
Right: -0.198 ± 0.003 χ^2/NDF : 15399.5/37

In: 0.140 ± 0.002 χ^2/NDF : 17717.2/40

Out: 0.118 ± 0.002 χ^2/NDF : 19356.3/44

All: 0.129 ± 0.001 χ^2/NDF : 37134.5/85

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



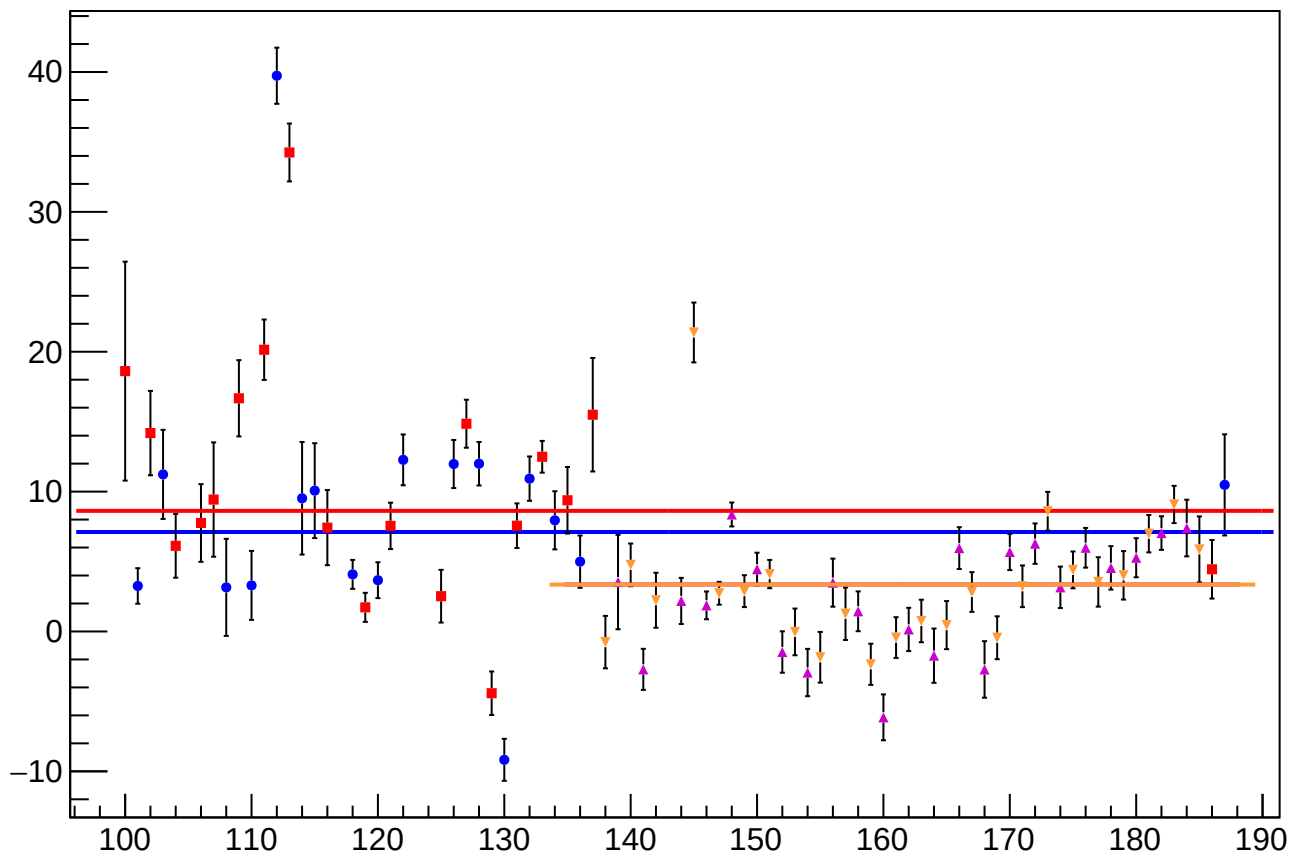
Right In: -65.579+/-2.239 χ^2/NDF : 0.0/0
 Left Out: -72.115+/-0.383 χ^2/NDF :1125.2/23
 Right Out: -48.267+/-1.666 χ^2/NDF : 0.0/0
 Left In: -71.713+/-0.380 χ^2/NDF :884.6/22

Left: -71.913+/-0.270 χ^2/NDF : 2010.3/46
 Right: -54.435+/-1.337 χ^2/NDF : 38.5/1

In: -71.541+/-0.375 χ^2/NDF :891.9/23
 Out: -70.920+/-0.373 χ^2/NDF :1319.8/24

All: -71.229+/-0.264 χ^2/NDF : 2213.1/48

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.112 ± 0.430 $\chi^2/\text{NDF}: 447.7/16$

Left Out: 3.353 ± 0.295 $\chi^2/\text{NDF}: 167.8/23$

Right Out: 8.623 ± 0.439 $\chi^2/\text{NDF}: 354.5/18$

Left In: 3.360 ± 0.298 $\chi^2/\text{NDF}: 164.5/22$

Left: 3.356 ± 0.209 $\chi^2/\text{NDF}: 332.3/46$

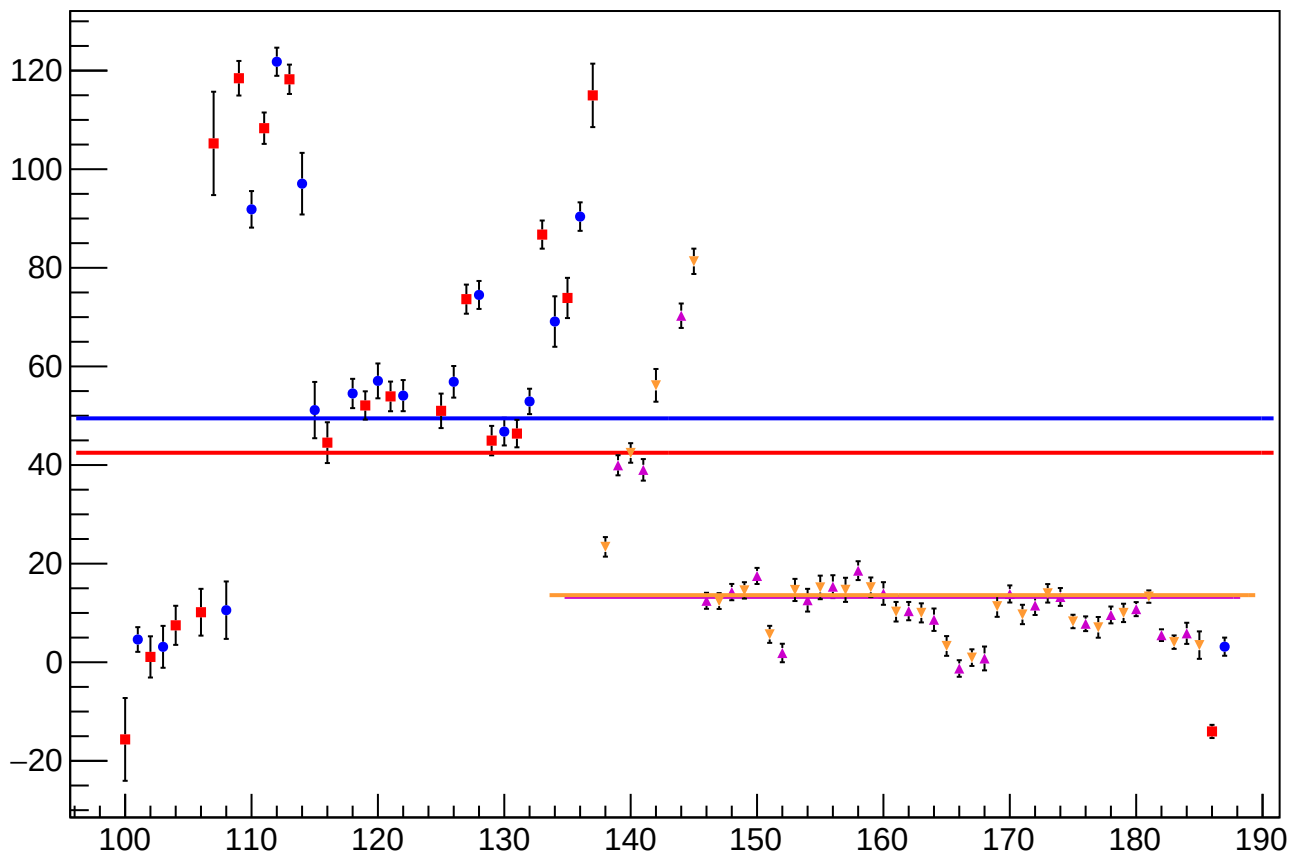
Right: 7.853 ± 0.307 $\chi^2/\text{NDF}: 808.3/35$

In: 4.573 ± 0.245 $\chi^2/\text{NDF}: 663.7/39$

Out: 4.990 ± 0.245 $\chi^2/\text{NDF}: 621.7/42$

All: 4.781 ± 0.173 $\chi^2/\text{NDF}: 1286.9/82$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 49.467 $\pm$ 0.758 χ^2 /NDF: 2258.6/16

Left Out: 13.610 $\pm$ 0.382 χ^2 /NDF:1303.3/23

Right Out: 42.492 $\pm$ 0.711 χ^2 /NDF: 4209.5/18

Left In: 13.262 $\pm$ 0.379 χ^2 /NDF:1077.0/22

Left: 13.434 $\pm$ 0.269 χ^2 /NDF: 2380.7/46

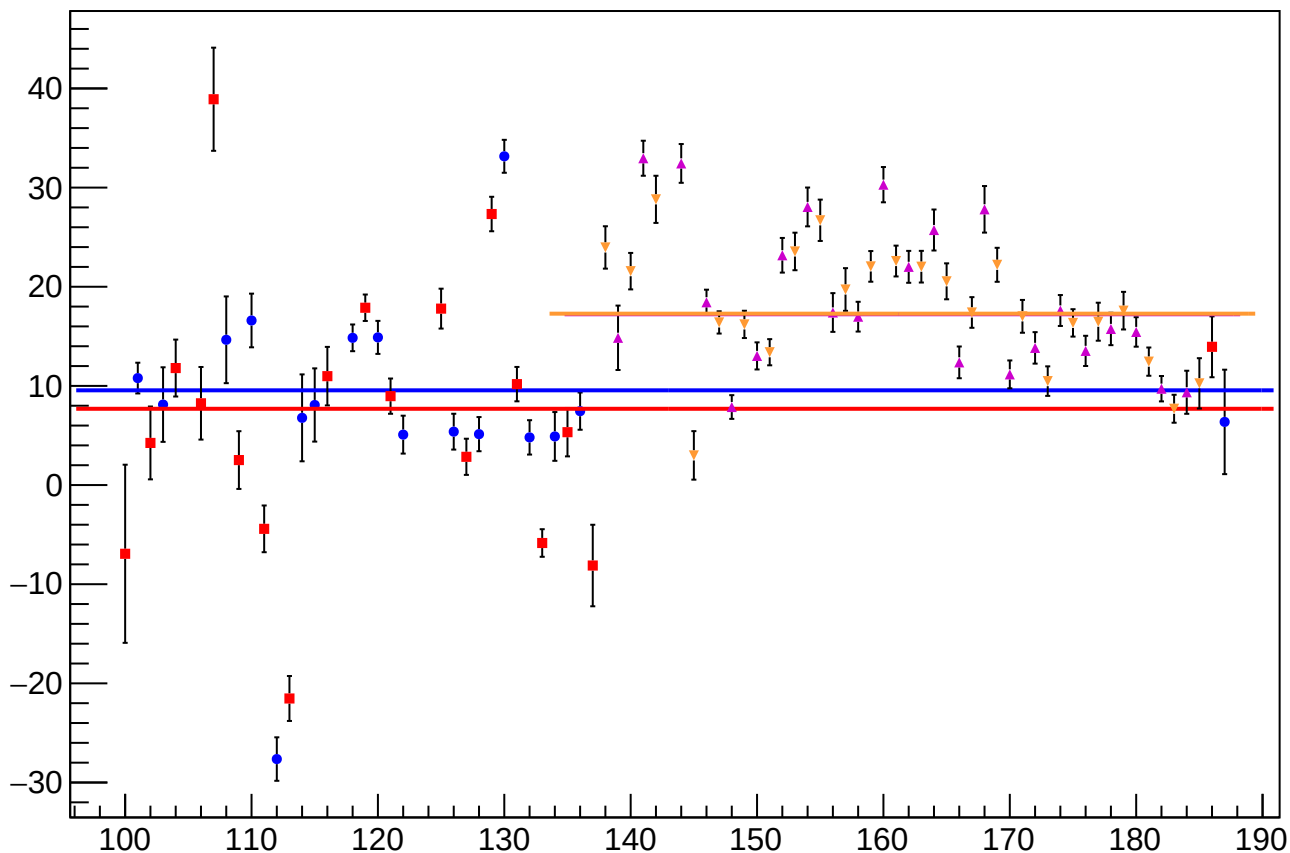
Right: 45.760 $\pm$ 0.519 χ^2 /NDF: 6513.1/35

In: 20.493 $\pm$ 0.339 χ^2 /NDF:5162.7/39

Out: 20.065 $\pm$ 0.336 χ^2 /NDF:6792.4/42

All: 20.278 $\pm$ 0.239 χ^2 /NDF: 11955.9/82

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.554 ± 0.499 $\chi^2/\text{NDF}: 554.8/16$

Left Out: 17.285 ± 0.337 $\chi^2/\text{NDF}: 244.0/23$

Right Out: 7.692 ± 0.509 $\chi^2/\text{NDF}: 574.1/18$

Left In: 17.224 ± 0.339 $\chi^2/\text{NDF}: 442.2/22$

Left: 17.255 ± 0.239 $\chi^2/\text{NDF}: 686.2/46$

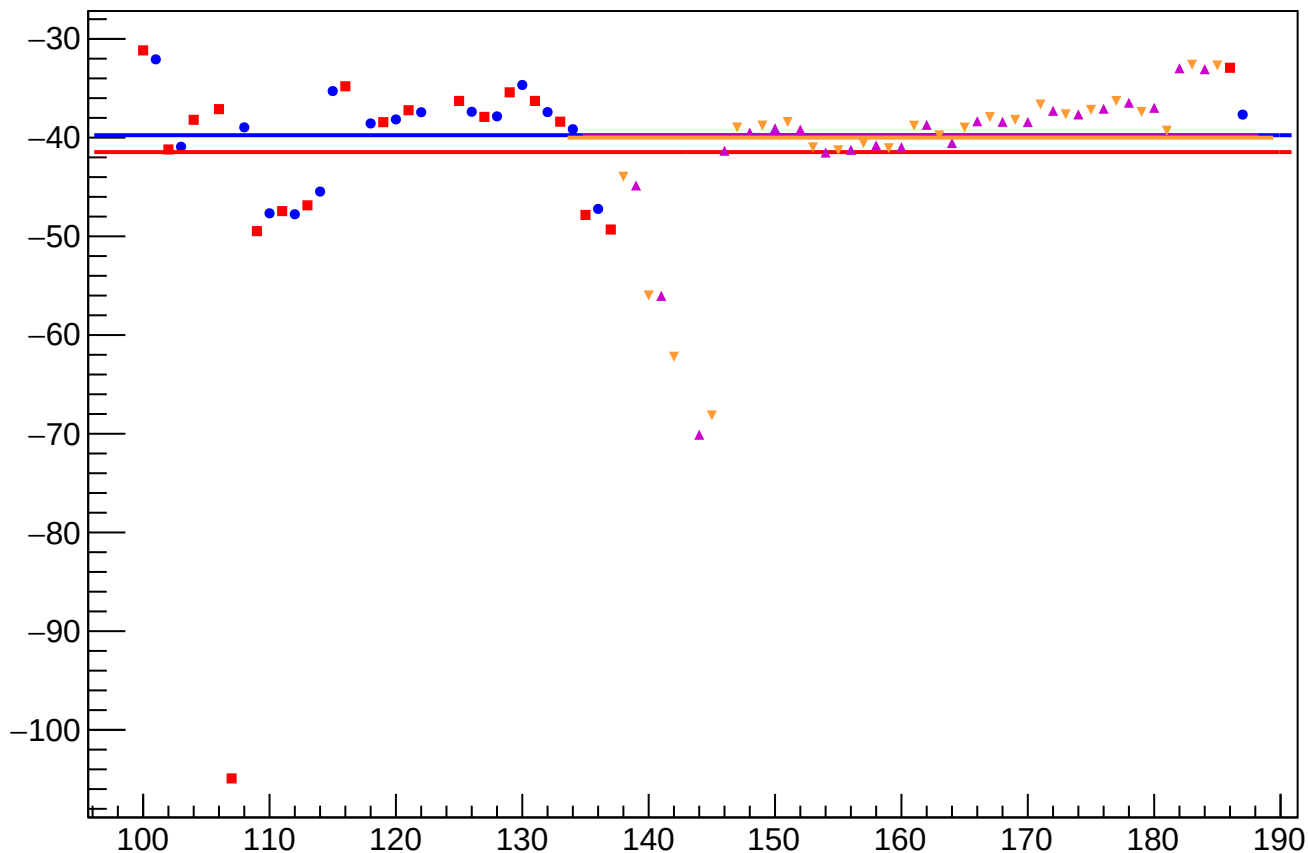
Right: 8.641 ± 0.356 $\chi^2/\text{NDF}: 1135.7/35$

In: 14.806 ± 0.280 $\chi^2/\text{NDF}: 1158.9/39$

Out: 14.358 ± 0.281 $\chi^2/\text{NDF}: 1065.3/42$

All: 14.583 ± 0.198 $\chi^2/\text{NDF}: 2225.5/82$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.754 ± 0.031 χ^2/NDF : 26208.5/16

Left Out: -40.002 ± 0.016 χ^2/NDF : 172150.1/23

Right Out: -41.465 ± 0.031 χ^2/NDF : 96121.5/18

Left In: -39.813 ± 0.016 χ^2/NDF : 145790.5/22

Left: -39.906 ± 0.011 χ^2/NDF : 318013.1/46

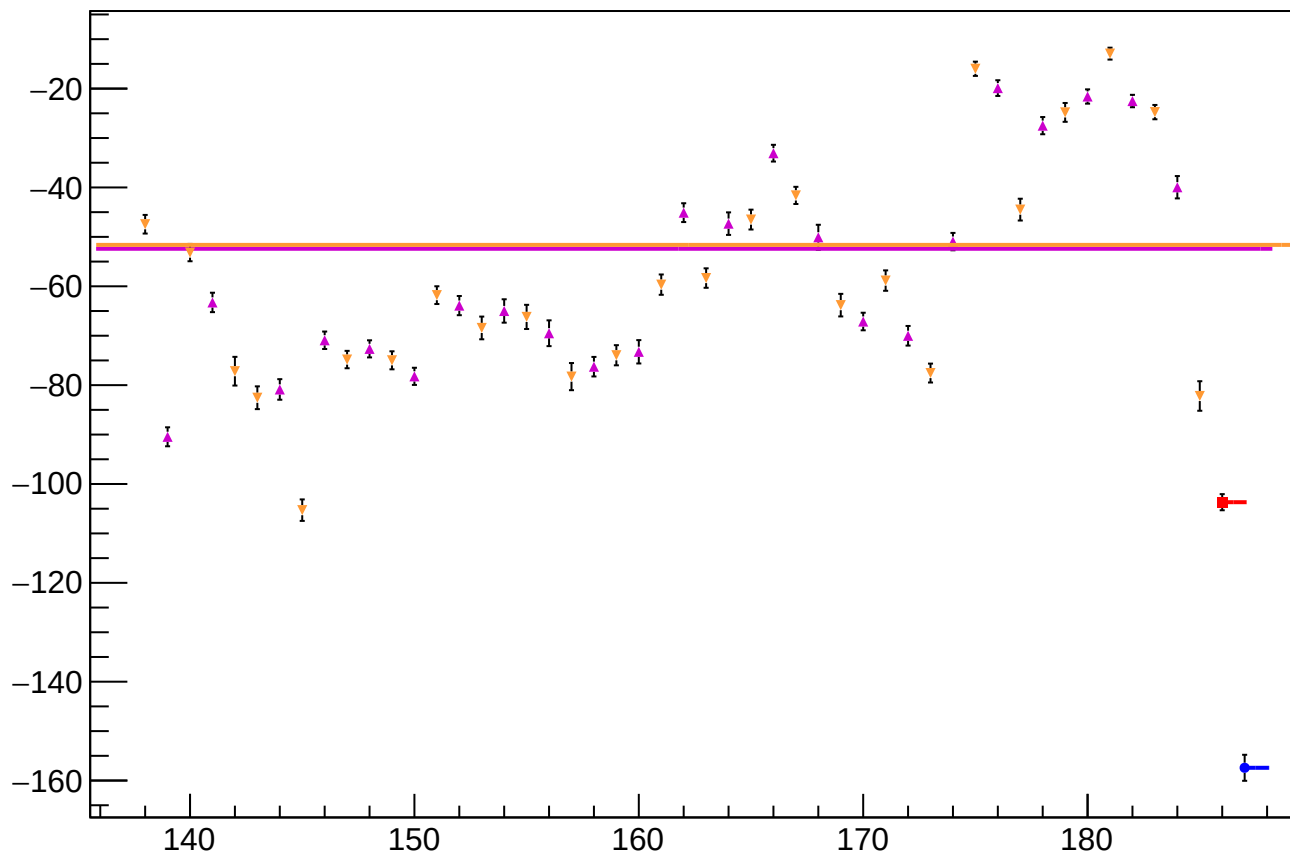
Right: -40.611 ± 0.022 χ^2/NDF : 123866.5/35

In: -39.801 ± 0.014 χ^2/NDF : 172002.0/39

Out: -40.304 ± 0.014 χ^2/NDF : 270056.8/42

All: -40.051 ± 0.010 χ^2/NDF : 442707.1/82

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -157.422 ± 2.632 χ^2/NDF : 0.0/0

Left Out: -51.622 ± 0.383 χ^2/NDF : 4133.0/24

Right Out: -103.683 ± 1.632 χ^2/NDF : 0.0/0

Left In: -52.409 ± 0.387 χ^2/NDF : 3378.7/22

Left: -52.012 ± 0.272 χ^2/NDF : 7513.8/47

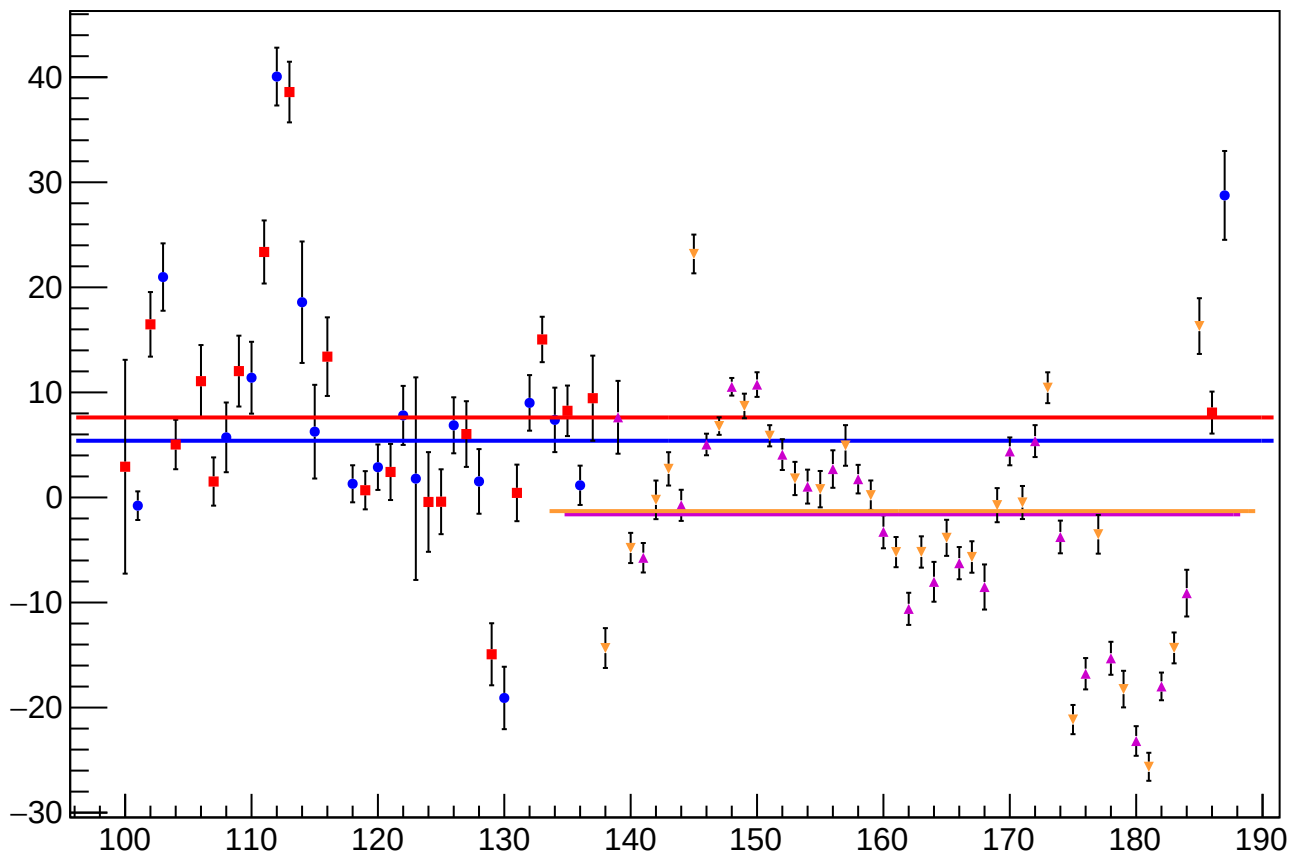
Right: -118.604 ± 1.387 χ^2/NDF : 301.2/1

In: -54.634 ± 0.383 χ^2/NDF : 4937.2/23

Out: -54.347 ± 0.373 χ^2/NDF : 5097.9/25

All: -54.487 ± 0.267 χ^2/NDF : 10035.4/49

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.397 ± 0.615 $\chi^2/\text{NDF}: 326.5/17$

Left Out: -1.300 ± 0.293 $\chi^2/\text{NDF}: 1315.7/24$

Right Out: 7.614 ± 0.619 $\chi^2/\text{NDF}: 270.2/19$

Left In: -1.608 ± 0.299 $\chi^2/\text{NDF}: 1097.4/22$

Left: -1.450 ± 0.209 $\chi^2/\text{NDF}: 2413.6/47$

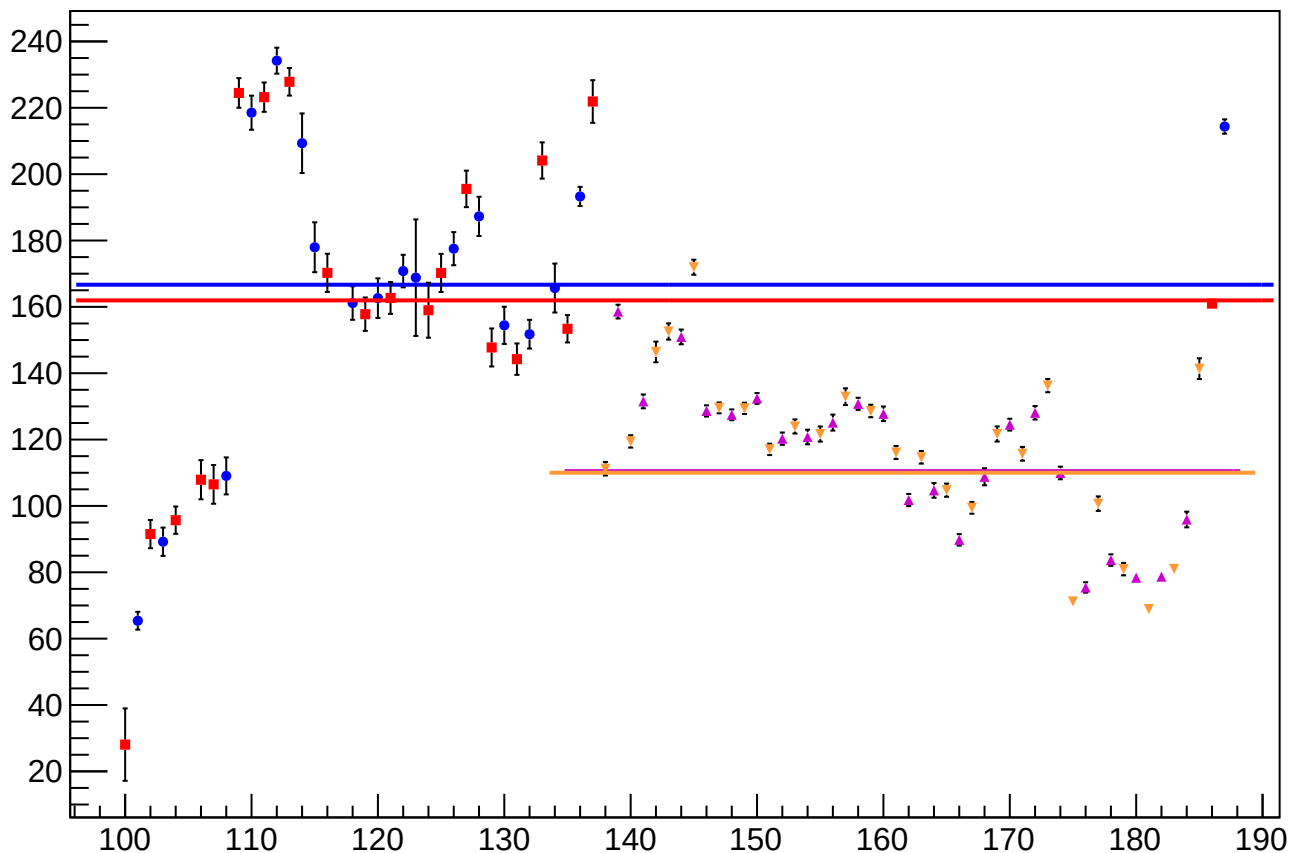
Right: 6.497 ± 0.436 $\chi^2/\text{NDF}: 603.2/37$

In: -0.263 ± 0.269 $\chi^2/\text{NDF}: 1528.9/40$

Out: 0.325 ± 0.265 $\chi^2/\text{NDF}: 1755.3/44$

All: 0.036 ± 0.189 $\chi^2/\text{NDF}: 3286.6/85$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 166.675 ± 1.012 $\chi^2/\text{NDF}: 2890.1/17$

Left Out: 110.012 ± 0.383 $\chi^2/\text{NDF}: 4537.0/24$

Right Out: 161.953 ± 0.874 $\chi^2/\text{NDF}: 1709.7/19$

Left In: 110.482 ± 0.385 $\chi^2/\text{NDF}: 3824.9/22$

Left: 110.246 ± 0.271 $\chi^2/\text{NDF}: 8362.7/47$

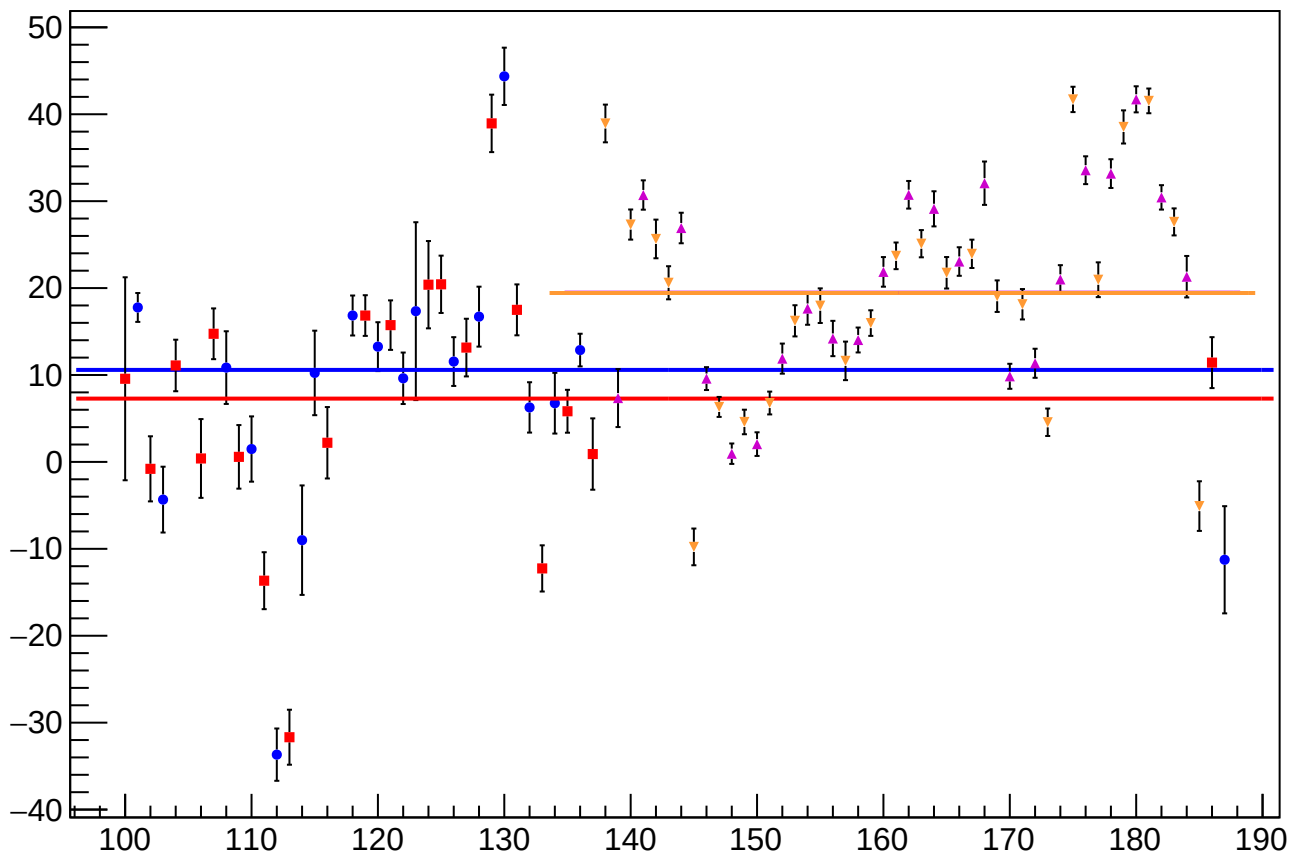
Right: 163.970 ± 0.661 $\chi^2/\text{NDF}: 4612.3/37$

In: 117.582 ± 0.360 $\chi^2/\text{NDF}: 9410.9/40$

Out: 118.375 ± 0.351 $\chi^2/\text{NDF}: 9211.6/44$

All: 117.989 ± 0.251 $\chi^2/\text{NDF}: 18624.9/85$

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.586 $\pm$ 0.709 χ^2 /NDF: 400.8/17

Left Out: 19.434 $\pm$ 0.336 χ^2 /NDF:1452.3/24

Right Out: 7.284 $\pm$ 0.725 χ^2 /NDF: 426.7/19

Left In: 19.472 $\pm$ 0.342 χ^2 /NDF:1188.2/22

Left: 19.453 $\pm$ 0.239 χ^2 /NDF: 2640.5/47

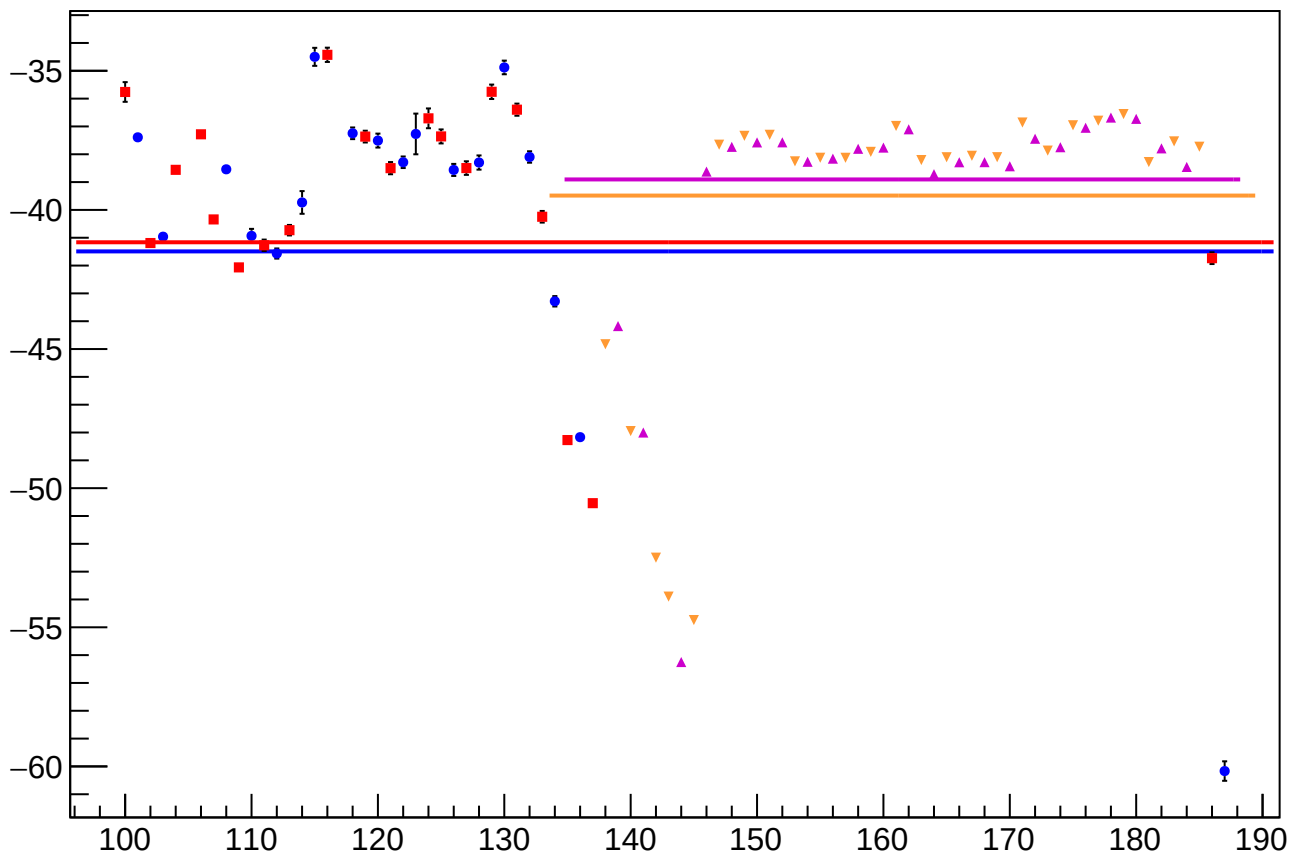
Right: 8.972 $\pm$ 0.507 χ^2 /NDF: 838.1/37

In: 17.796 $\pm$ 0.308 χ^2 /NDF:1716.6/40

Out: 17.290 $\pm$ 0.304 χ^2 /NDF:2110.4/44

All: 17.541 $\pm$ 0.216 χ^2 /NDF: 3828.3/85

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.491±/0.038 χ^2/NDF : 15448.2/17

Left Out: -39.484±/0.016 χ^2/NDF : 88877.3/24

Right Out: -41.163±/0.038 χ^2/NDF : 12226.3/19

Left In: -38.905±/0.016 χ^2/NDF : 54282.7/22

Left: -39.195±/0.011 χ^2/NDF : 143834.7/47

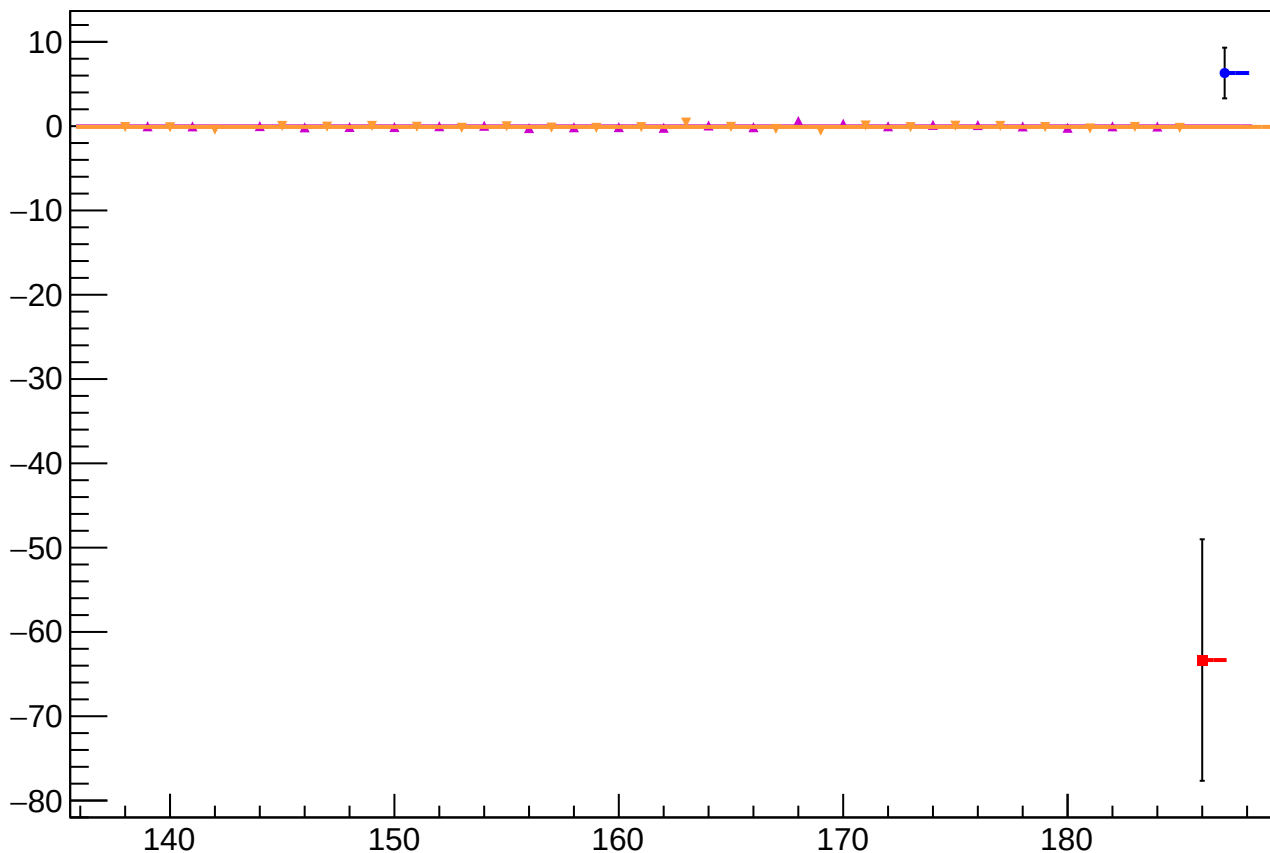
Right: -41.326±/0.027 χ^2/NDF : 27711.5/37

In: -39.282±/0.015 χ^2/NDF : 73634.0/40

Out: -39.731±/0.015 χ^2/NDF : 102768.9/44

All: -39.507±/0.010 χ^2/NDF : 176877.9/85

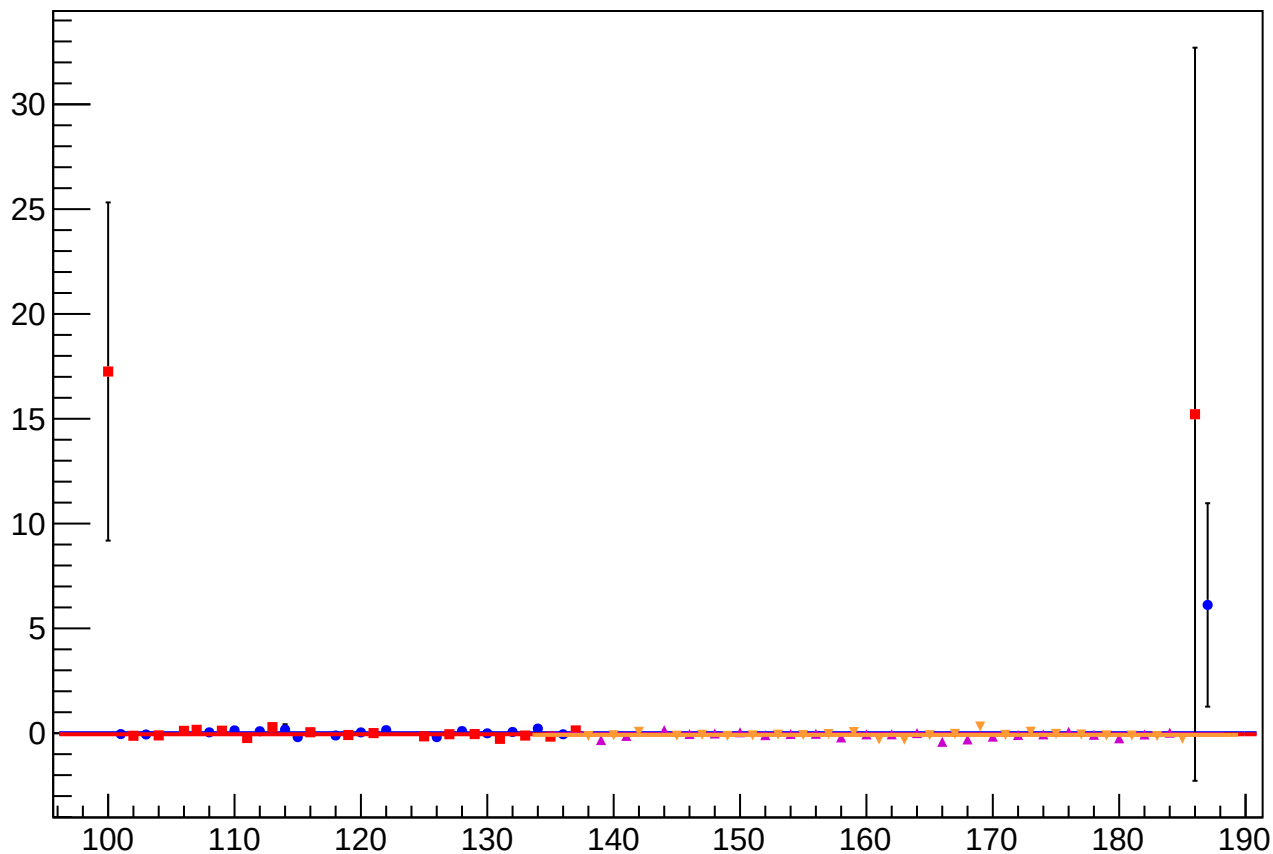
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.304+/-3.007 χ^2 /NDF: 0.0/0
 Left Out: -0.089+/-0.022 χ^2 /NDF:40.0/23
 Right Out: -63.334+/-14.326 χ^2 /NDF: 0.0/0
 Left In: -0.026+/-0.022 χ^2 /NDF:32.3/22

Left: -0.057+/-0.016 χ^2 /NDF: 76.4/46
 Right: 3.366+/-2.943 χ^2 /NDF: 22.6/1
 In: -0.025+/-0.022 χ^2 /NDF:36.7/23
 Out: -0.089+/-0.022 χ^2 /NDF:59.5/24
 All: -0.057+/-0.016 χ^2 /NDF: 100.4/48

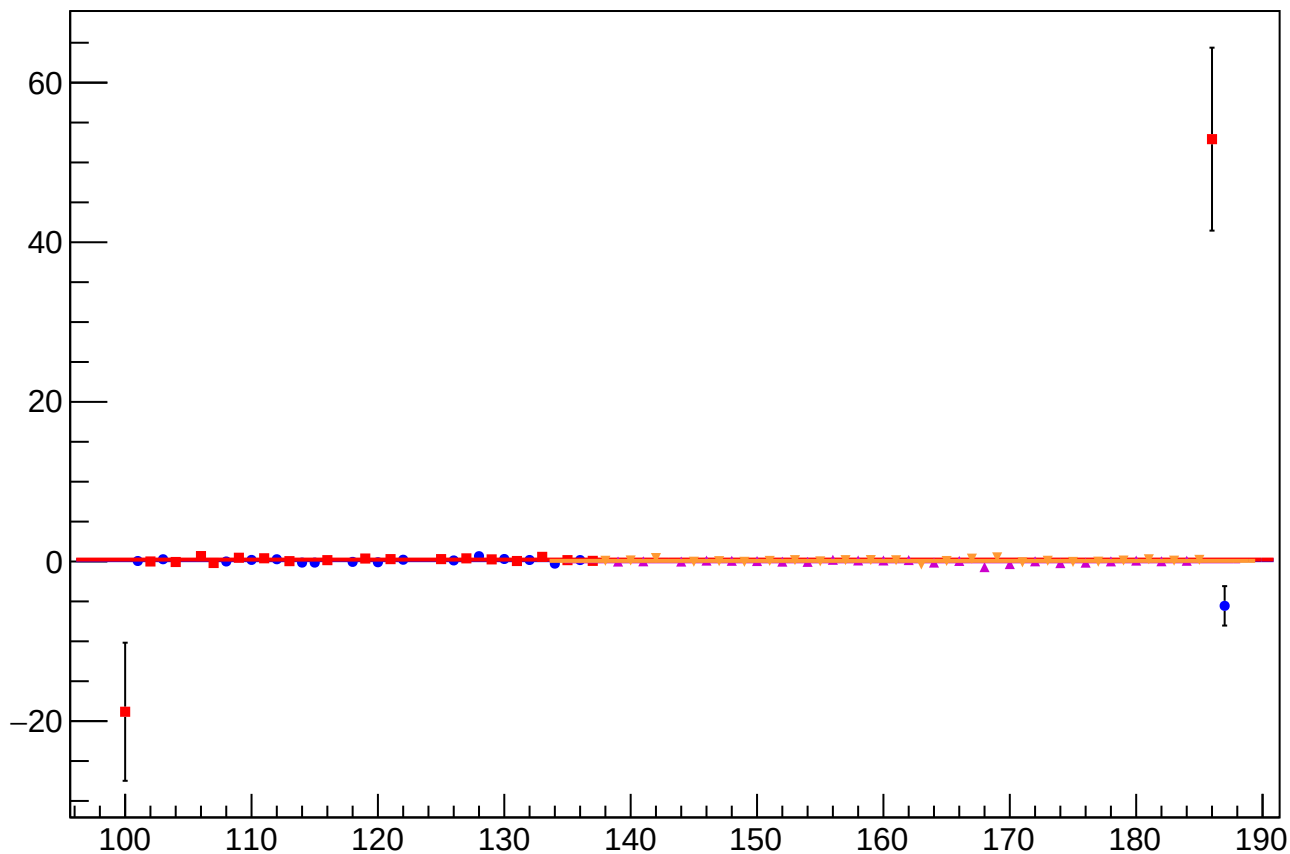
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 14.1/16$
 Left Out: -0.081 ± 0.017 $\chi^2/\text{NDF}: 25.8/23$
 Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 26.6/18$
 Left In: -0.055 ± 0.018 $\chi^2/\text{NDF}: 32.2/22$

Left: -0.068 ± 0.012 $\chi^2/\text{NDF}: 59.1/46$
 Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 42.4/35$
 In: -0.039 ± 0.015 $\chi^2/\text{NDF}: 49.2/39$
 Out: -0.073 ± 0.015 $\chi^2/\text{NDF}: 53.1/42$
 All: -0.056 ± 0.011 $\chi^2/\text{NDF}: 105.0/82$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.168 $\pm$ 0.052 χ^2 /NDF: 19.0/16

Left Out: 0.082 $\pm$ 0.022 χ^2 /NDF:38.7/23

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 42.9/18

Left In: 0.020 $\pm$ 0.022 χ^2 /NDF:34.5/22

Left: 0.051 $\pm$ 0.016 χ^2 /NDF: 77.1/46

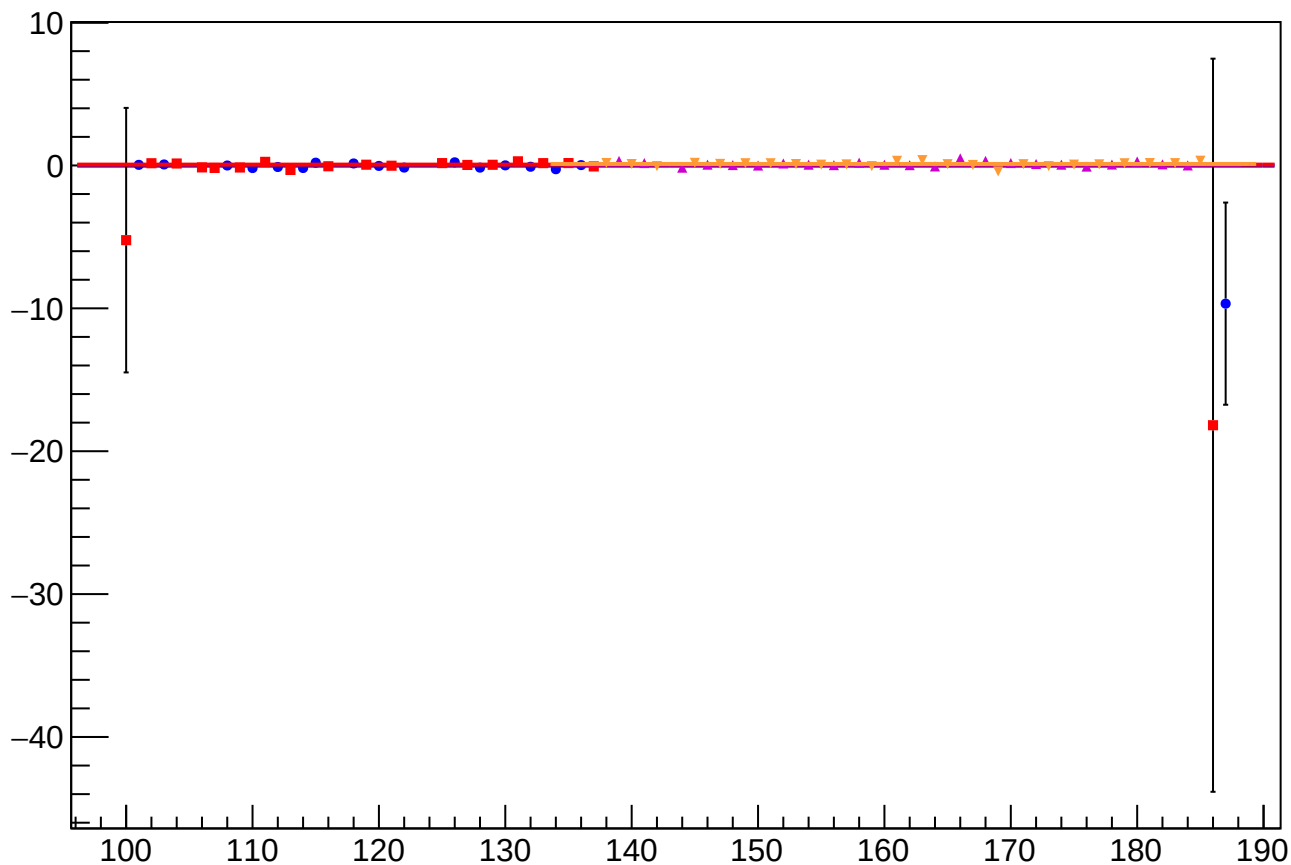
Right: 0.203 $\pm$ 0.038 χ^2 /NDF: 62.9/35

In: 0.043 $\pm$ 0.020 χ^2 /NDF:60.4/39

Out: 0.104 $\pm$ 0.020 χ^2 /NDF:89.0/42

All: 0.073 $\pm$ 0.014 χ^2 /NDF: 154.0/82

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 15.6/16

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.059 ± 0.034 χ^2/NDF : 21.1/18

Left In: 0.072 ± 0.020 χ^2/NDF : 31.7/22

Left: 0.089 ± 0.014 χ^2/NDF : 62.6/46

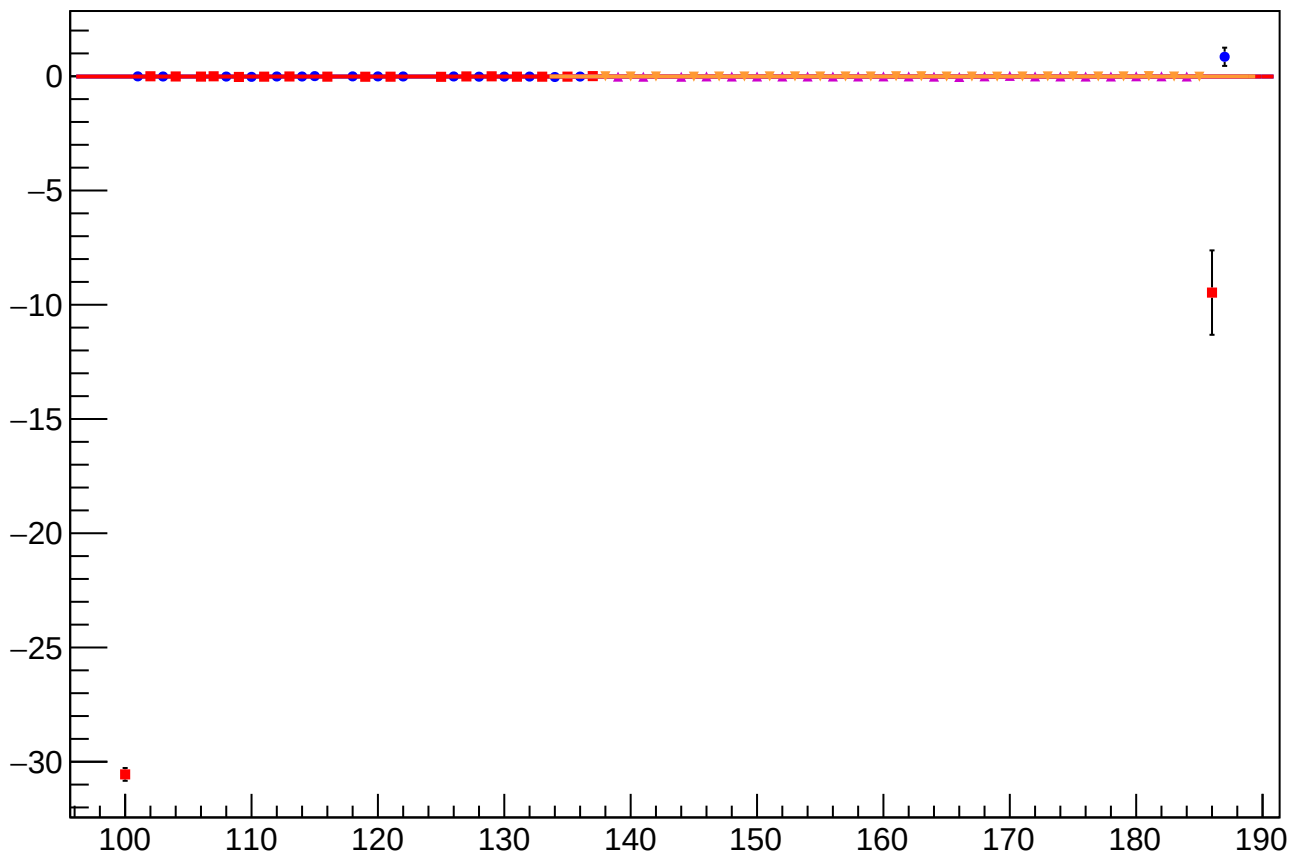
Right: 0.022 ± 0.023 χ^2/NDF : 38.9/35

In: 0.050 ± 0.017 χ^2/NDF : 52.1/39

Out: 0.093 ± 0.017 χ^2/NDF : 52.0/42

All: 0.071 ± 0.012 χ^2/NDF : 107.4/82

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 17.6/16

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:30.7/23

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11917.7/18

Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:42.1/22

Left: -0.008 $\pm$ 0.001 χ^2 /NDF: 73.1/46

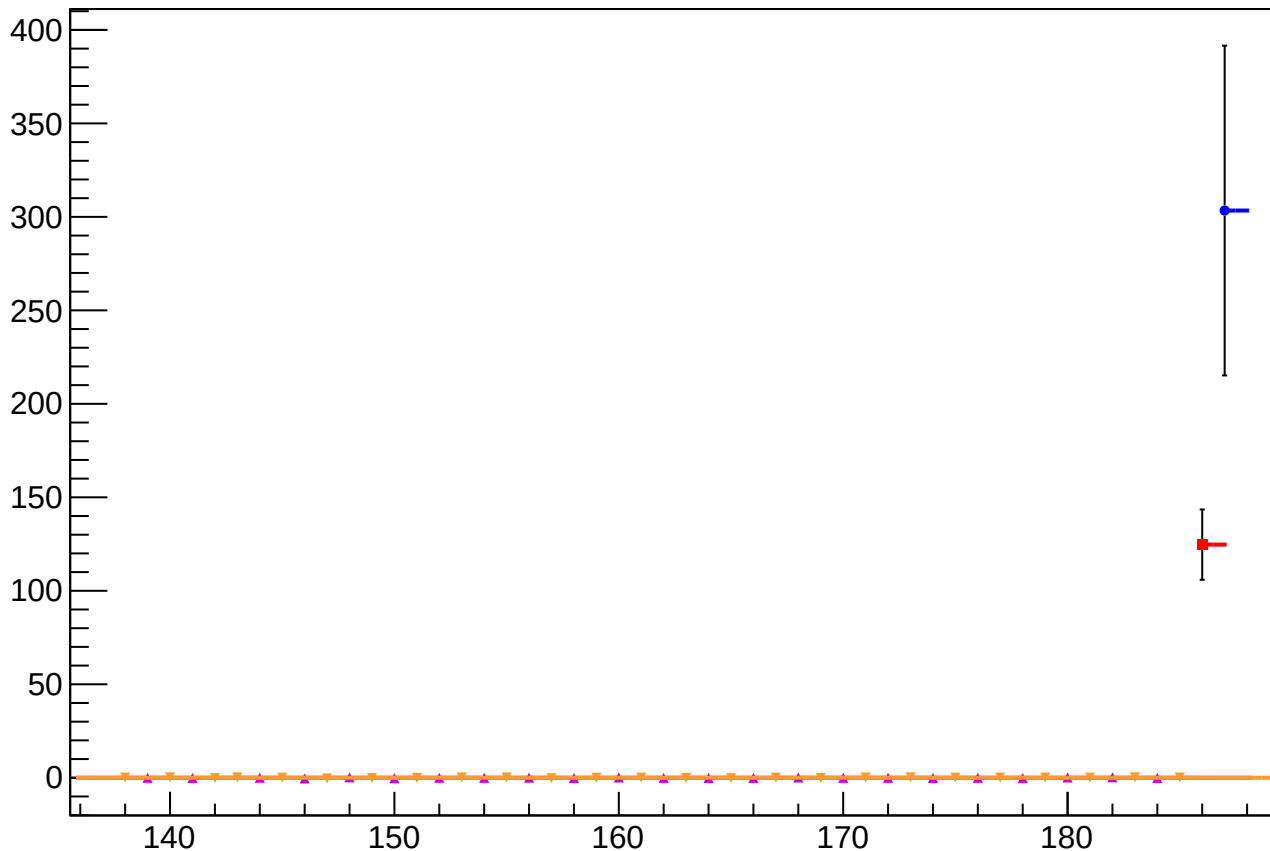
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11935.3/35

In: -0.009 $\pm$ 0.001 χ^2 /NDF:61.9/39

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11952.6/42

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 12014.8/82

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 303.382+/-88.188 χ^2/NDF : 0.0/0

Left Out: 0.013+/-0.027 χ^2/NDF :29.2/24

Right Out: 124.707+/-18.821 χ^2/NDF : 0.0/0

Left In: 0.004+/-0.028 χ^2/NDF :28.2/22

Left: 0.009+/-0.019 χ^2/NDF : 57.4/47

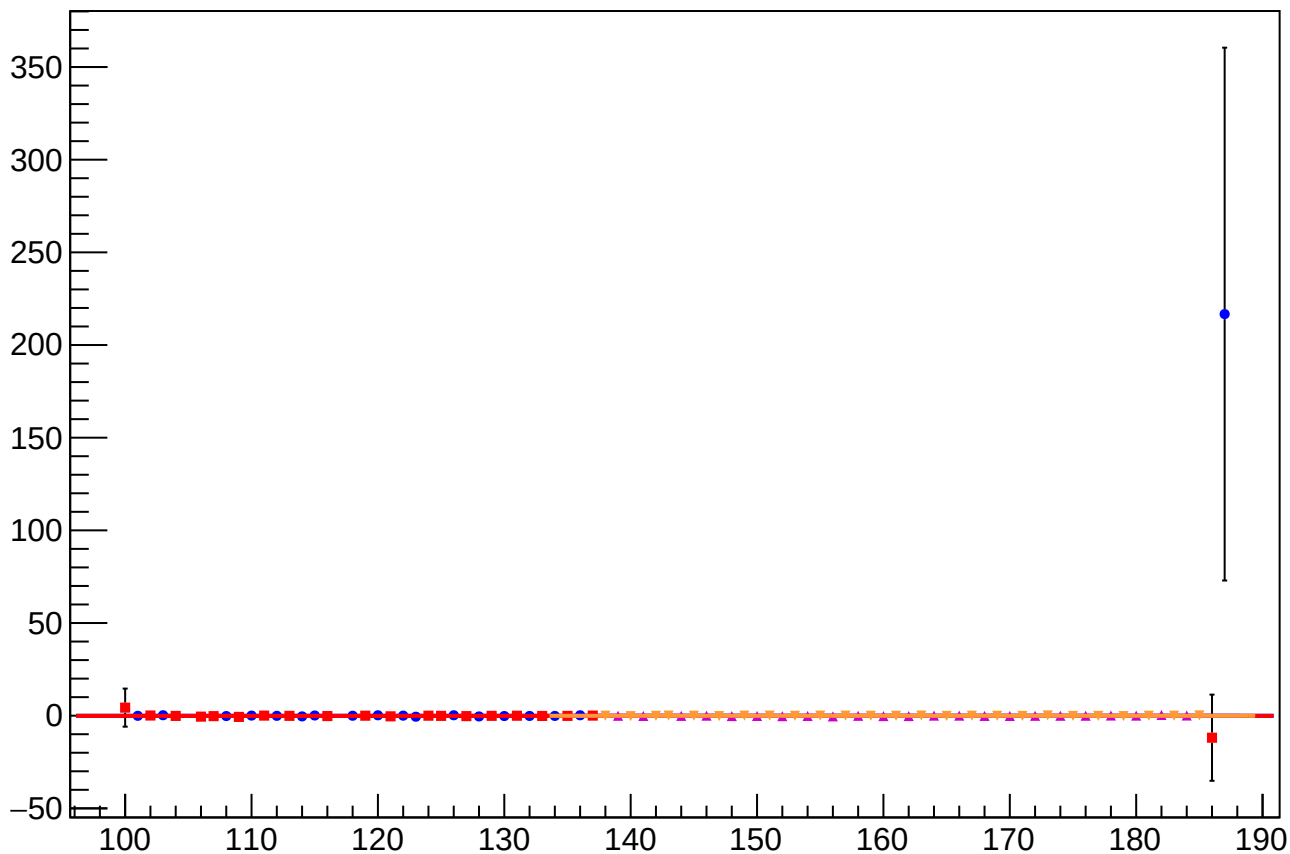
Right: 132.491+/-18.406 χ^2/NDF : 3.9/1

In: 0.004+/-0.028 χ^2/NDF :40.0/23

Out: 0.014+/-0.027 χ^2/NDF :73.0/25

All: 0.009+/-0.019 χ^2/NDF : 113.1/49

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 25.6/17

Left Out: -0.058 ± 0.021 χ^2/NDF : 25.4/24

Right Out: -0.128 ± 0.039 χ^2/NDF : 17.9/19

Left In: -0.072 ± 0.022 χ^2/NDF : 48.7/22

Left: -0.064 ± 0.015 χ^2/NDF : 74.4/47

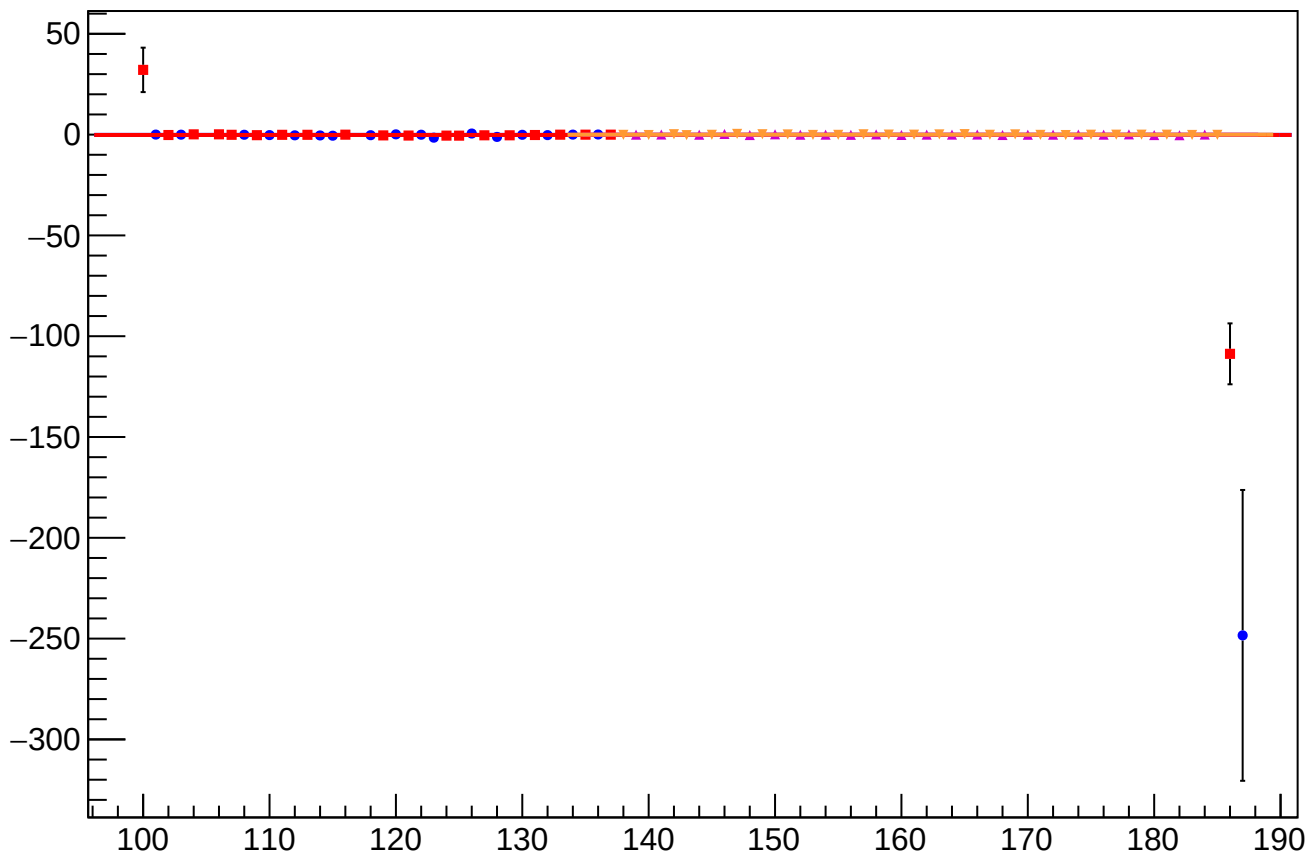
Right: -0.072 ± 0.027 χ^2/NDF : 47.2/37

In: -0.059 ± 0.019 χ^2/NDF : 75.6/40

Out: -0.074 ± 0.019 χ^2/NDF : 45.8/44

All: -0.066 ± 0.013 χ^2/NDF : 121.7/85

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.130 ± 0.067 χ^2/NDF : 35.6/17

Left Out: -0.015 ± 0.027 χ^2/NDF : 27.0/24

Right Out: -0.174 ± 0.071 χ^2/NDF : 66.7/19

Left In: -0.035 ± 0.027 χ^2/NDF : 27.7/22

Left: -0.025 ± 0.019 χ^2/NDF : 55.0/47

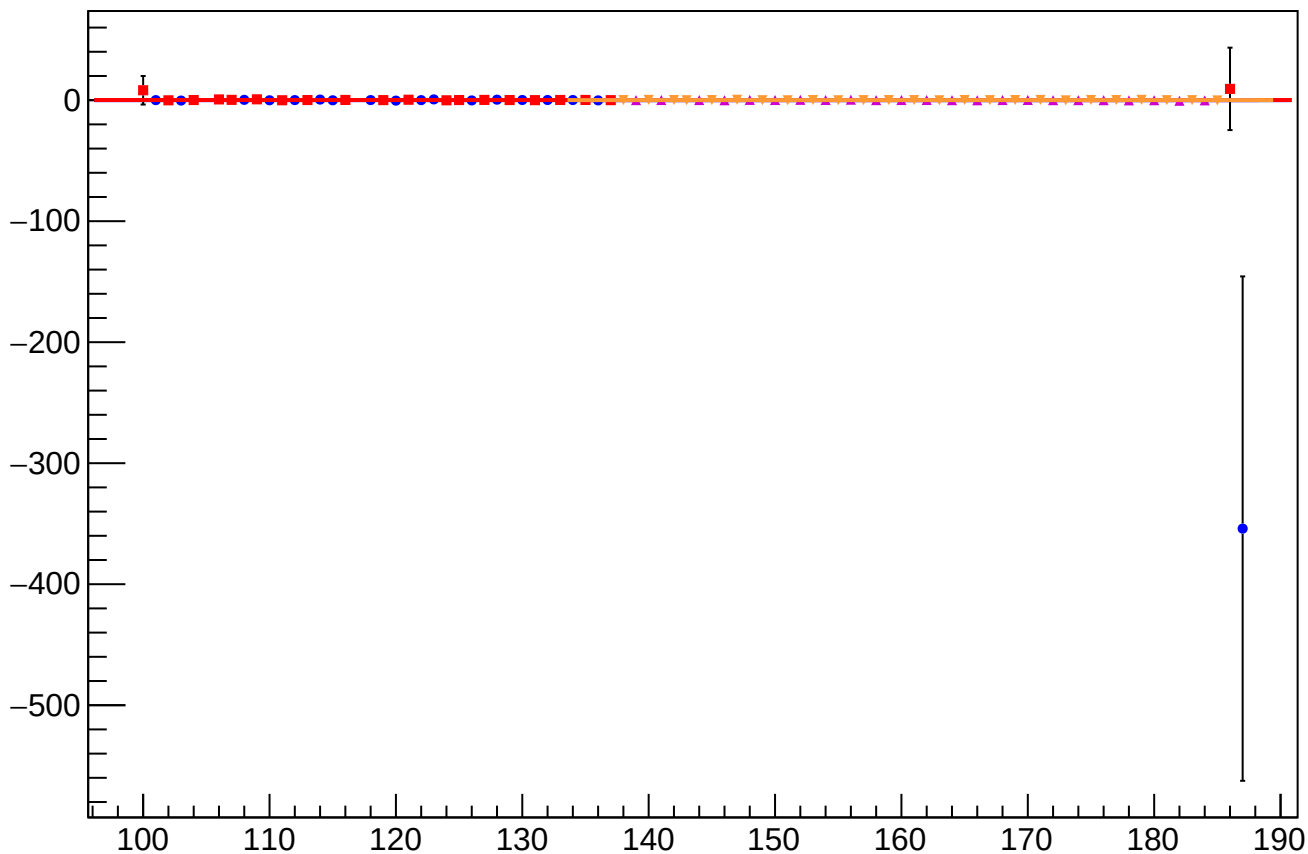
Right: -0.151 ± 0.049 χ^2/NDF : 102.5/37

In: -0.048 ± 0.025 χ^2/NDF : 65.0/40

Out: -0.035 ± 0.025 χ^2/NDF : 98.1/44

All: -0.042 ± 0.018 χ^2/NDF : 163.3/85

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 25.4/17

Left Out: 0.062+/-0.024 χ^2/NDF : 25.0/24

Right Out: 0.152+/-0.045 χ^2/NDF : 16.3/19

Left In: 0.069+/-0.025 χ^2/NDF : 51.4/22

Left: 0.065+/-0.017 χ^2/NDF : 76.5/47

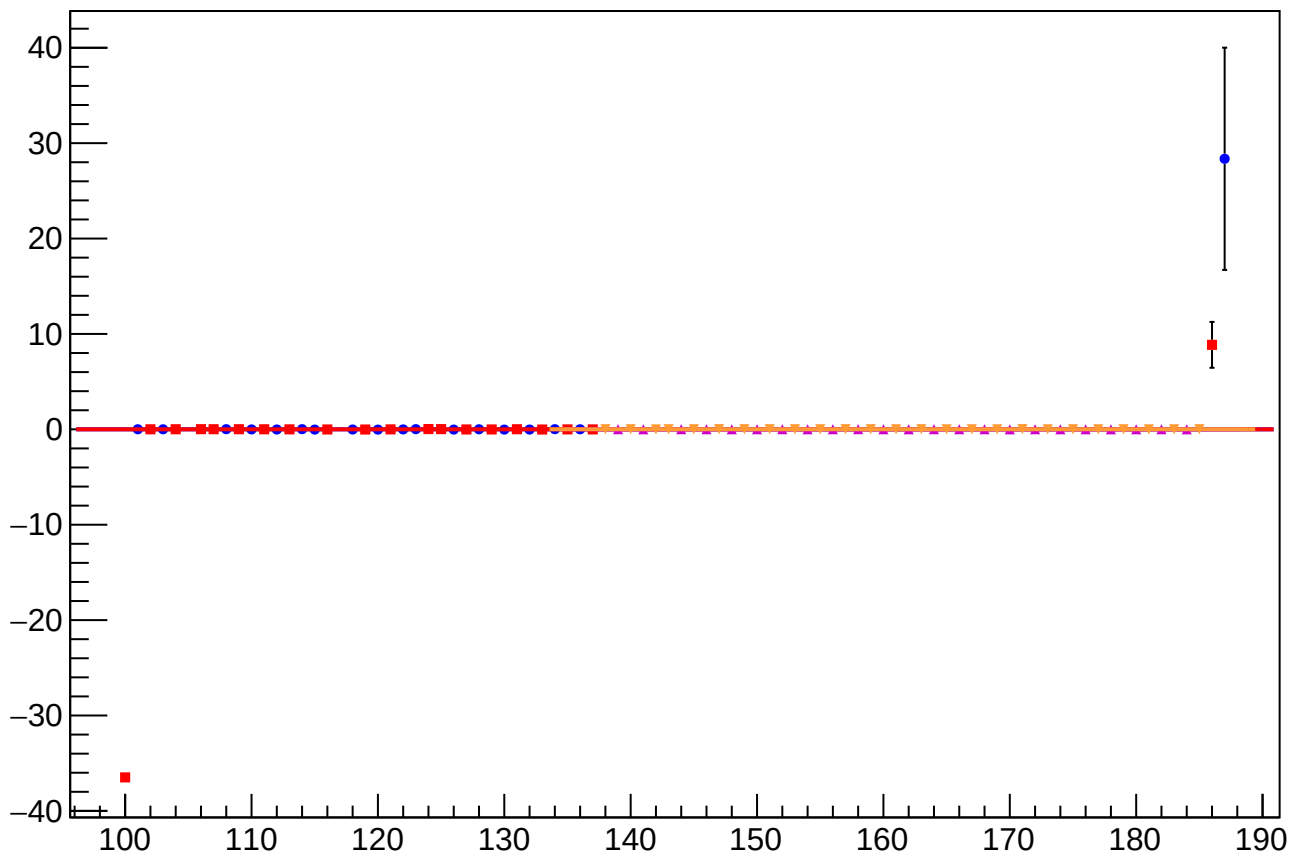
Right: 0.082+/-0.031 χ^2/NDF : 46.2/37

In: 0.057+/-0.021 χ^2/NDF : 77.8/40

Out: 0.081+/-0.021 χ^2/NDF : 44.4/44

All: 0.069+/-0.015 χ^2/NDF : 122.9/85

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001+/-0.002 χ^2/NDF : 38.3/17

Left Out: 0.008+/-0.001 χ^2/NDF : 25.9/24

Right Out: 0.001+/-0.002 χ^2/NDF : 10462.7/19

Left In: 0.009+/-0.001 χ^2/NDF : 15.8/22

Left: 0.009+/-0.001 χ^2/NDF : 42.0/47

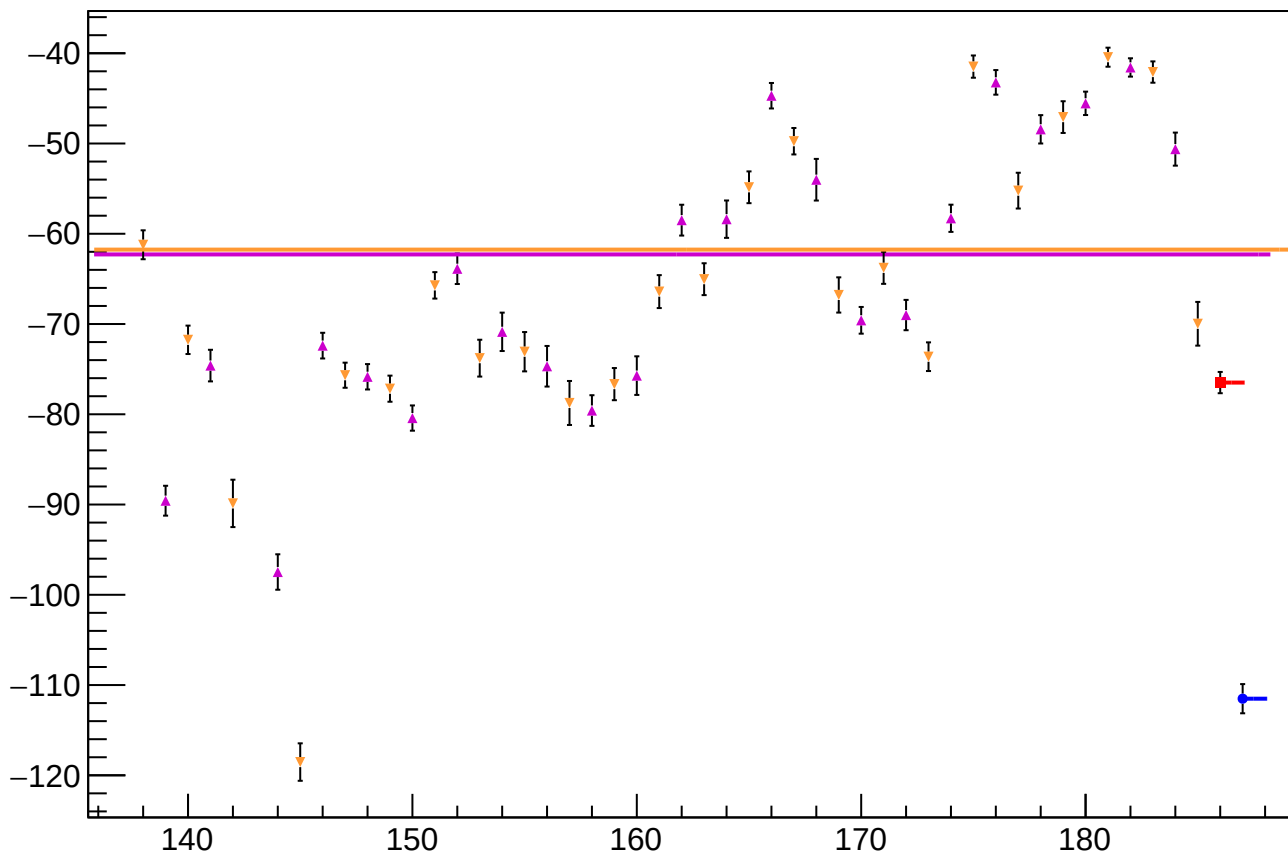
Right: 0.001+/-0.002 χ^2/NDF : 10501.0/37

In: 0.008+/-0.001 χ^2/NDF : 64.2/40

Out: 0.007+/-0.001 χ^2/NDF : 10496.9/44

All: 0.007+/-0.001 χ^2/NDF : 10561.3/85

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -111.512 $\pm$ 1.617 χ^2 /NDF: 0.0/0

Left Out: -61.756 $\pm$ 0.334 χ^2 /NDF:2509.2/23

Right Out: -76.488 $\pm$ 1.179 χ^2 /NDF: 0.0/0

Left In: -62.290 $\pm$ 0.331 χ^2 /NDF:2265.0/22

Left: -62.025 $\pm$ 0.235 χ^2 /NDF: 4775.5/46

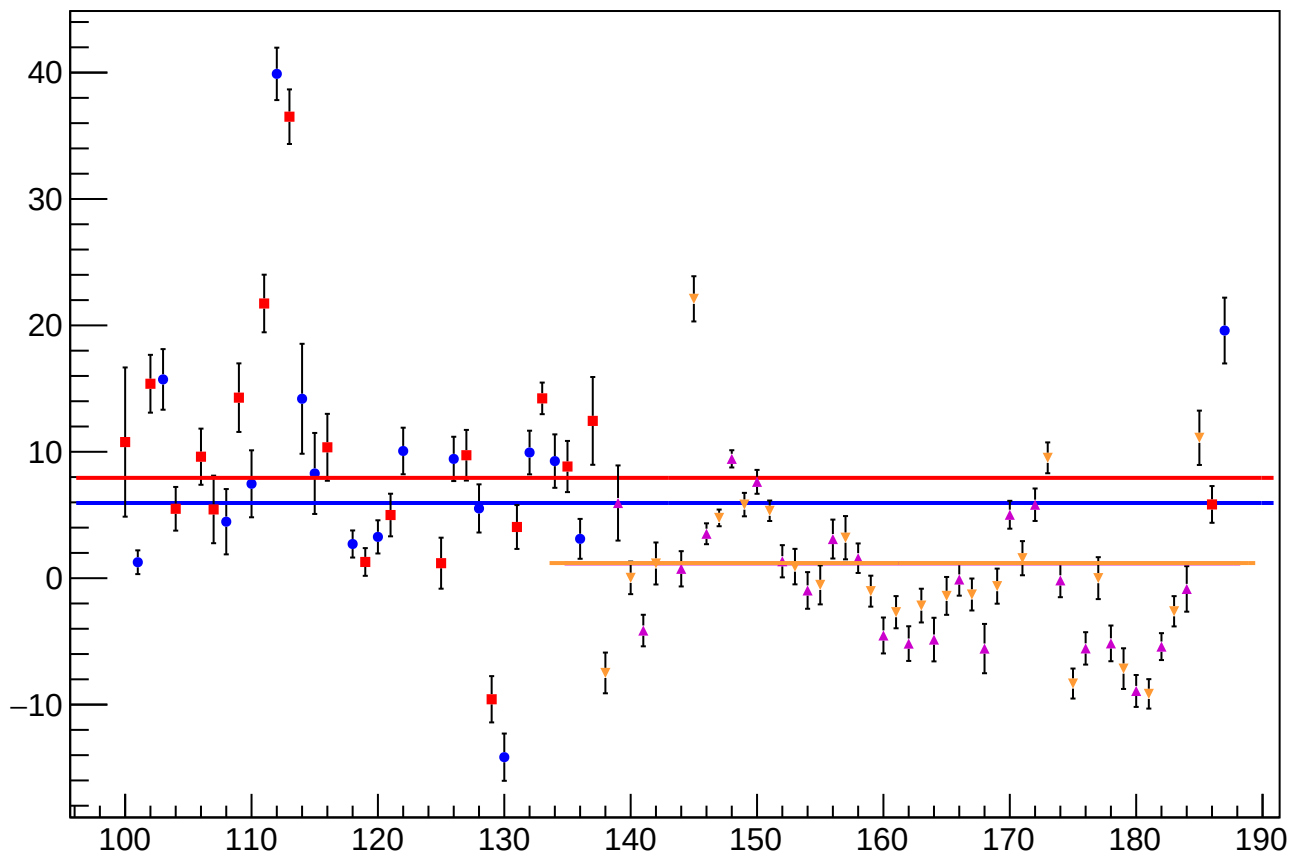
Right: -88.634 $\pm$ 0.953 χ^2 /NDF: 306.3/1

In: -64.270 $\pm$ 0.324 χ^2 /NDF:3153.8/23

Out: -62.850 $\pm$ 0.321 χ^2 /NDF:2653.9/24

All: -63.553 $\pm$ 0.228 χ^2 /NDF: 5817.4/48

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.950 $\pm$ 0.418 χ^2/NDF : 491.0/16

Left Out: 1.197 $\pm$ 0.252 χ^2/NDF :526.1/23

Right Out: 7.937 $\pm$ 0.433 χ^2/NDF : 410.0/18

Left In: 1.171 $\pm$ 0.255 χ^2/NDF :466.2/22

Left: 1.184 $\pm$ 0.179 χ^2/NDF : 992.3/46

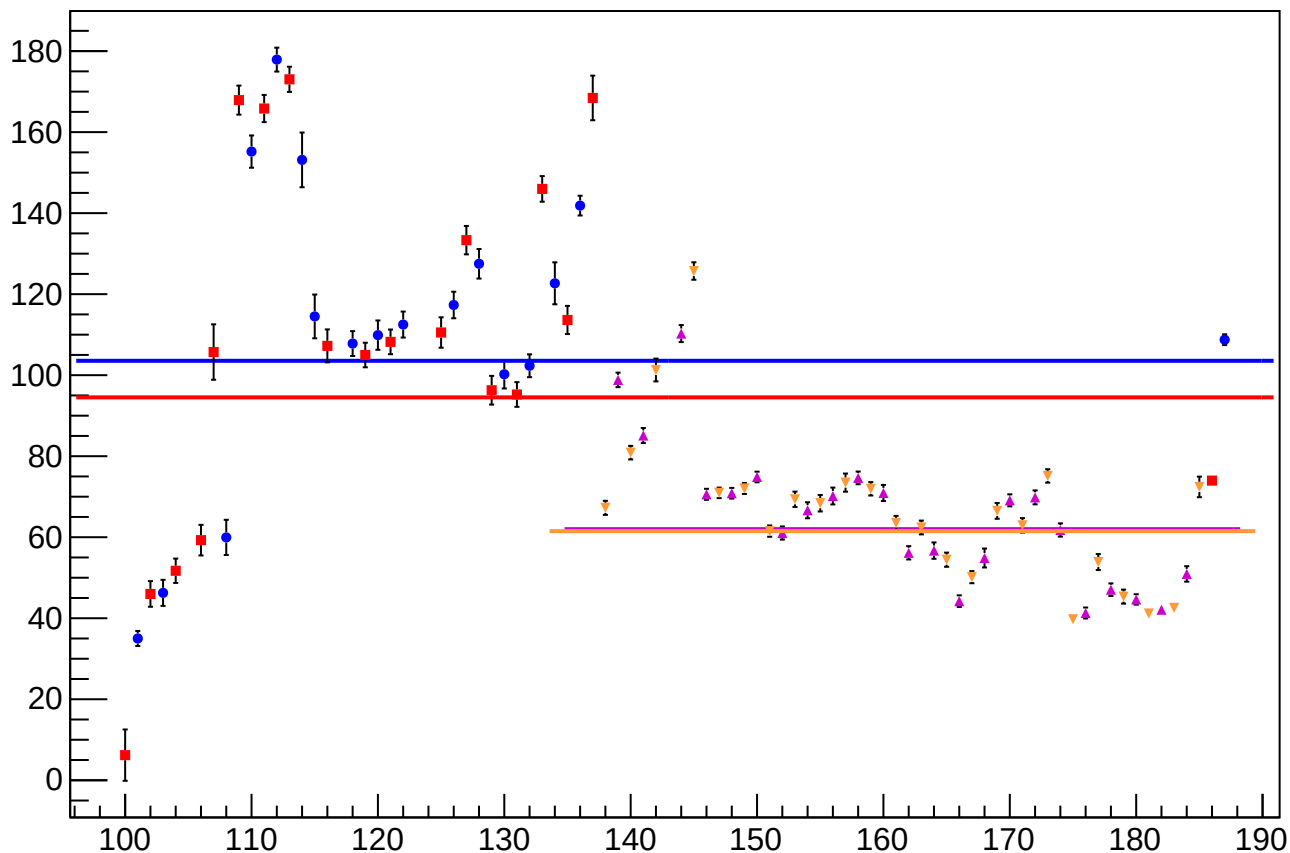
Right: 6.909 $\pm$ 0.301 χ^2/NDF : 911.9/35

In: 2.465 $\pm$ 0.218 χ^2/NDF :1052.5/39

Out: 2.907 $\pm$ 0.218 χ^2/NDF :1116.9/42

All: 2.685 $\pm$ 0.154 χ^2/NDF : 2171.5/82

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 103.552 $\pm$ 0.690 χ^2 /NDF: 2999.9/16

Left Out: 61.496 $\pm$ 0.332 χ^2 /NDF:2610.2/23

Right Out: 94.522 $\pm$ 0.625 χ^2 /NDF: 3366.9/18

Left In: 61.995 $\pm$ 0.329 χ^2 /NDF:2517.6/22

Left: 61.748 $\pm$ 0.234 χ^2 /NDF: 5129.0/46

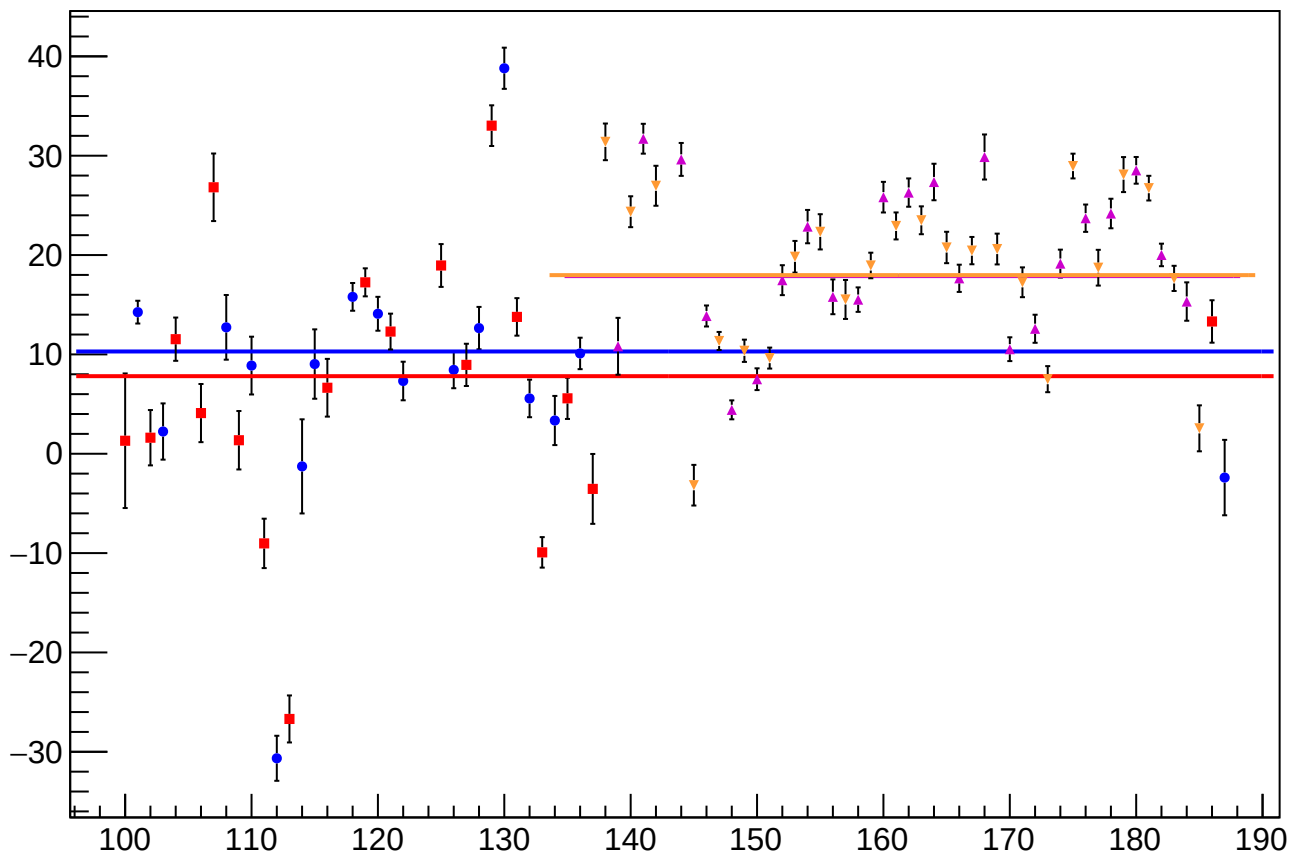
Right: 98.593 $\pm$ 0.463 χ^2 /NDF: 6461.0/35

In: 69.695 $\pm$ 0.297 χ^2 /NDF:8475.1/39

Out: 68.774 $\pm$ 0.293 χ^2 /NDF:8154.1/42

All: 69.229 $\pm$ 0.209 χ^2 /NDF: 16634.1/82

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.295 $\pm$ 0.488 χ^2 /NDF: 592.9/16

Left Out: 17.979 $\pm$ 0.291 χ^2 /NDF: 674.8/23

Right Out: 7.808 $\pm$ 0.509 χ^2 /NDF: 696.4/18

Left In: 17.881 $\pm$ 0.292 χ^2 /NDF: 730.9/22

Left: 17.930 $\pm$ 0.206 χ^2 /NDF: 1405.8/46

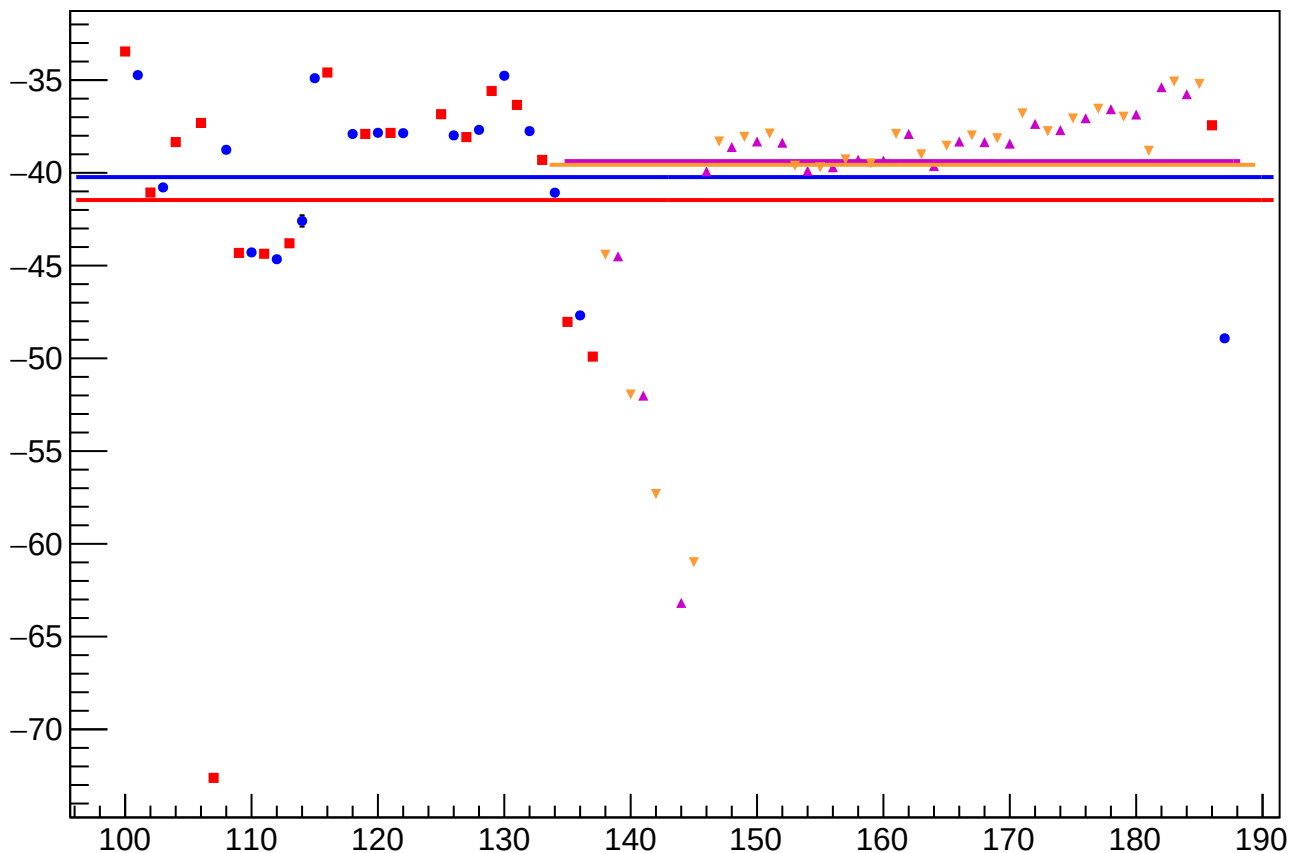
Right: 9.104 $\pm$ 0.352 χ^2 /NDF: 1301.7/35

In: 15.884 $\pm$ 0.250 χ^2 /NDF: 1501.9/39

Out: 15.476 $\pm$ 0.252 χ^2 /NDF: 1672.3/42

All: 15.682 $\pm$ 0.178 χ^2 /NDF: 3175.5/82

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.230+/-0.028 χ^2/NDF : 26790.7/16

Left Out: -39.567+/-0.014 χ^2/NDF :141152.0/23

Right Out: -41.467+/-0.028 χ^2/NDF : 62510.1/18

Left In: -39.368+/-0.014 χ^2/NDF :117958.1/22

Left: -39.466+/-0.010 χ^2/NDF : 259216.7/46

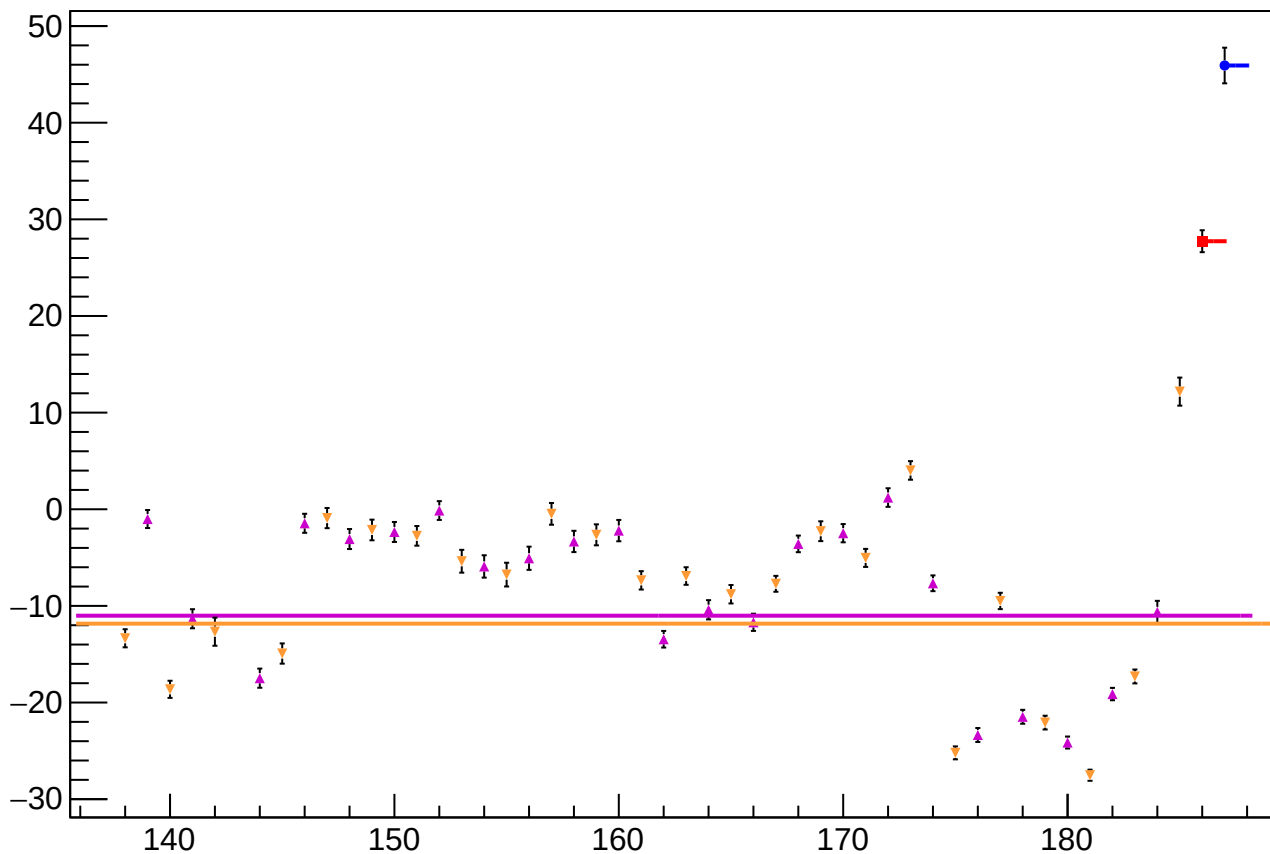
Right: -40.846+/-0.020 χ^2/NDF : 90276.6/35

In: -39.532+/-0.012 χ^2/NDF :145518.4/39

Out: -39.934+/-0.012 χ^2/NDF :207357.4/42

All: -39.730+/-0.009 χ^2/NDF : 353413.1/82

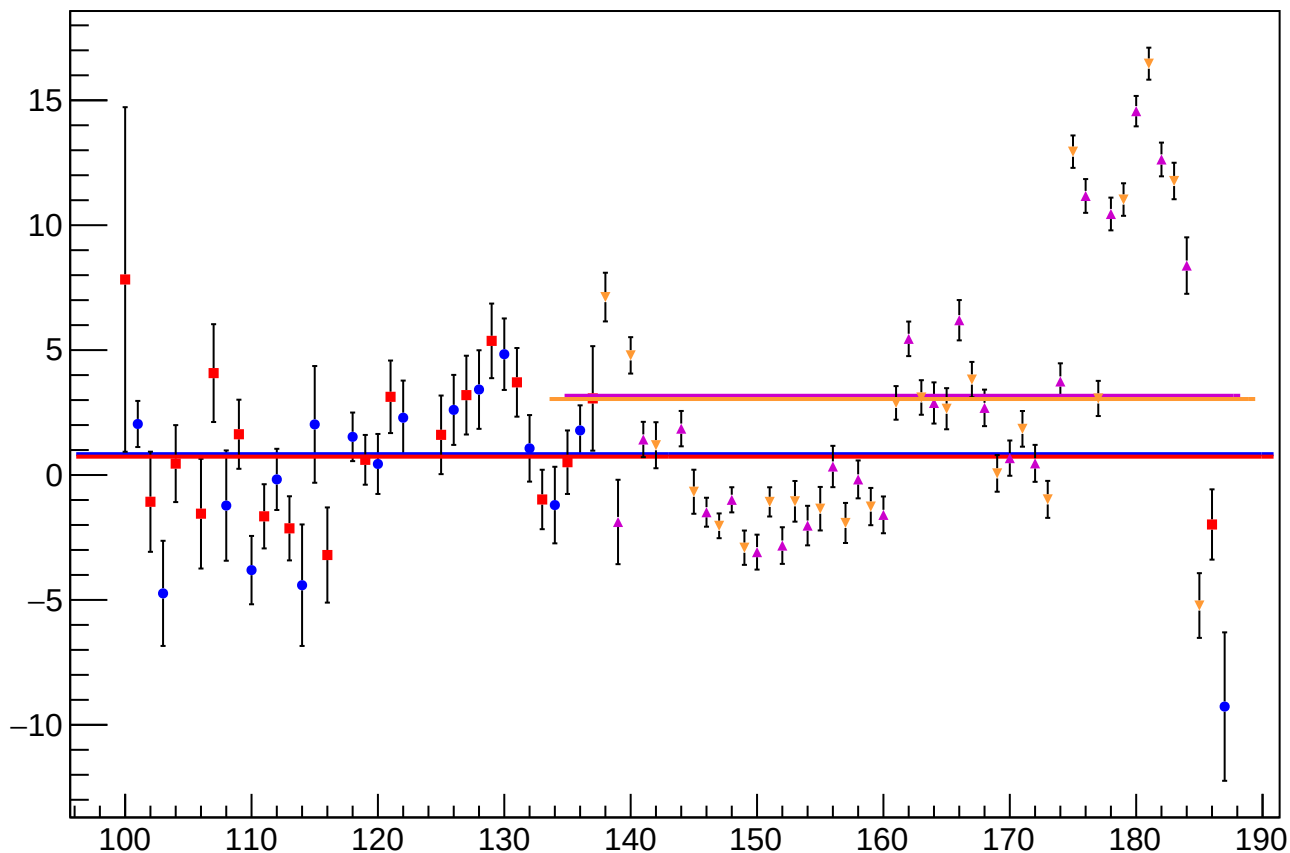
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 45.919+/-1.845 χ^2 /NDF: 0.0/0
 Left Out: -11.837+/-0.187 χ^2 /NDF:2742.4/23
 Right Out: 27.736+/-1.135 χ^2 /NDF: 0.0/0
 Left In: -11.014+/-0.187 χ^2 /NDF:2116.6/22

Left: -11.426+/-0.132 χ^2 /NDF: 4868.7/46
 Right: 32.727+/-0.967 χ^2 /NDF: 70.5/1
 In: -10.434+/-0.186 χ^2 /NDF:3059.1/23
 Out: -10.793+/-0.184 χ^2 /NDF:3926.7/24
 All: -10.615+/-0.131 χ^2 /NDF: 6987.7/48

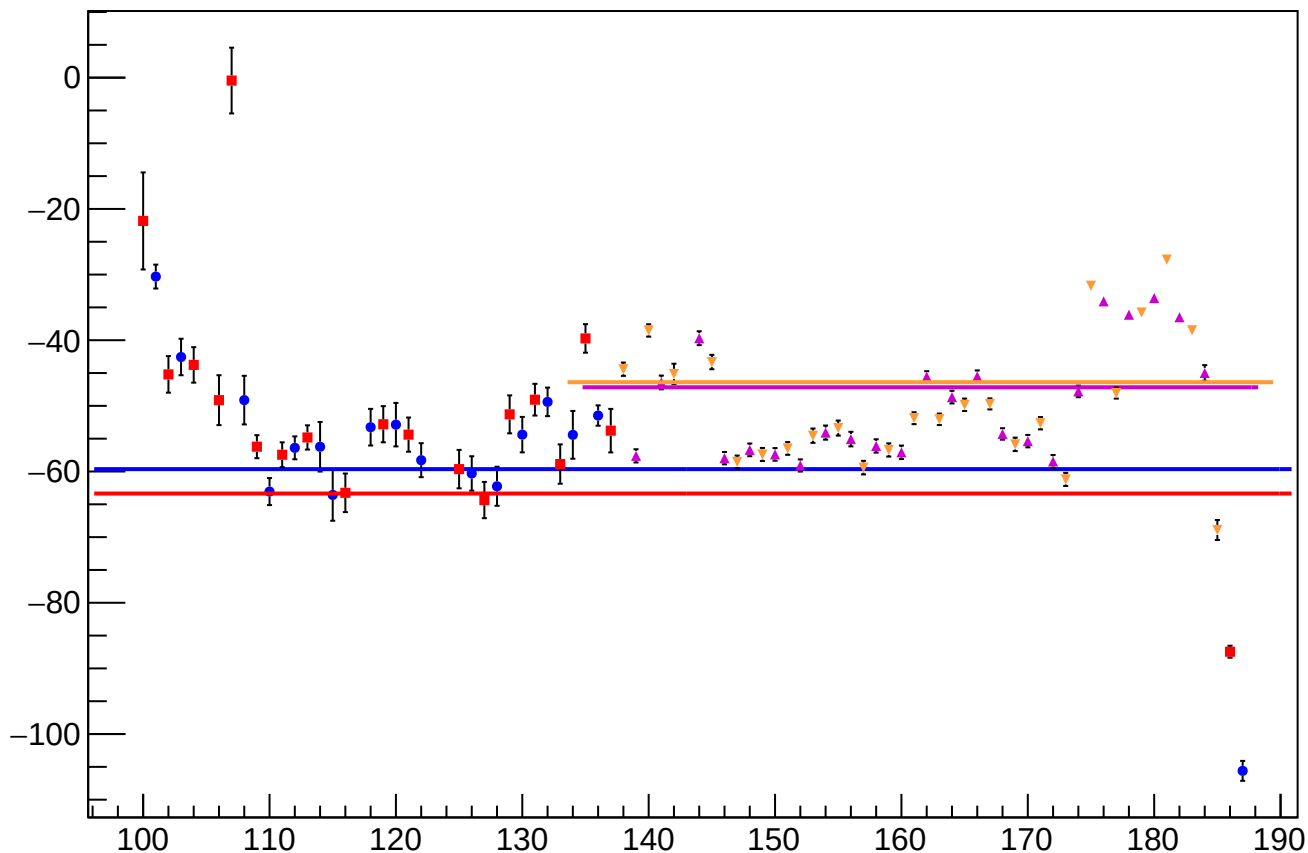
reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.835 ± 0.336 $\chi^2/\text{NDF}: 54.7/16$
 Left Out: 3.042 ± 0.148 $\chi^2/\text{NDF}: 1452.6/23$
 Right Out: 0.734 ± 0.343 $\chi^2/\text{NDF}: 45.9/18$
 Left In: 3.172 ± 0.150 $\chi^2/\text{NDF}: 1297.9/22$

Left: 3.106 ± 0.105 $\chi^2/\text{NDF}: 2750.9/46$
 Right: 0.786 ± 0.240 $\chi^2/\text{NDF}: 100.6/35$
 In: 2.785 ± 0.137 $\chi^2/\text{NDF}: 1393.0/39$
 Out: 2.681 ± 0.136 $\chi^2/\text{NDF}: 1536.7/42$
 All: 2.733 ± 0.096 $\chi^2/\text{NDF}: 2929.9/82$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.640 ± 0.567 χ^2/NDF : 1299.8/16

Left Out: -46.398 ± 0.187 χ^2/NDF : 3289.4/23

Right Out: -63.357 ± 0.510 χ^2/NDF : 1255.3/18

Left In: -47.170 ± 0.186 χ^2/NDF : 2526.3/22

Left: -46.784 ± 0.132 χ^2/NDF : 5824.3/46

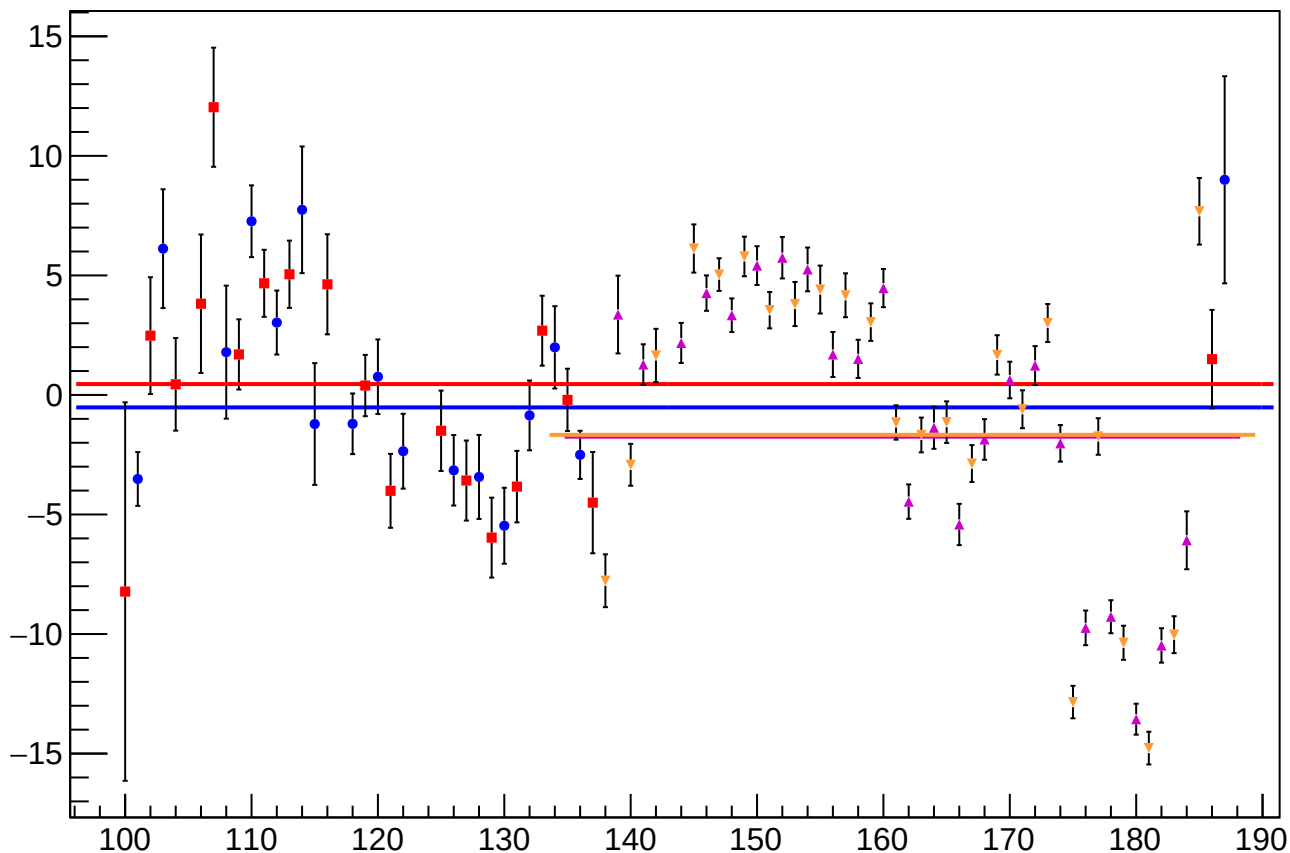
Right: -61.696 ± 0.379 χ^2/NDF : 2578.9/35

In: -48.385 ± 0.177 χ^2/NDF : 4262.0/39

Out: -48.398 ± 0.175 χ^2/NDF : 5519.5/42

All: -48.392 ± 0.125 χ^2/NDF : 9781.5/82

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.521 ± 0.382 χ^2/NDF : 87.5/16

Left Out: -1.668 ± 0.167 χ^2/NDF : 1479.3/23

Right Out: 0.455 ± 0.392 χ^2/NDF : 96.1/18

Left In: -1.746 ± 0.168 χ^2/NDF : 1254.1/22

Left: -1.707 ± 0.119 χ^2/NDF : 2733.5/46

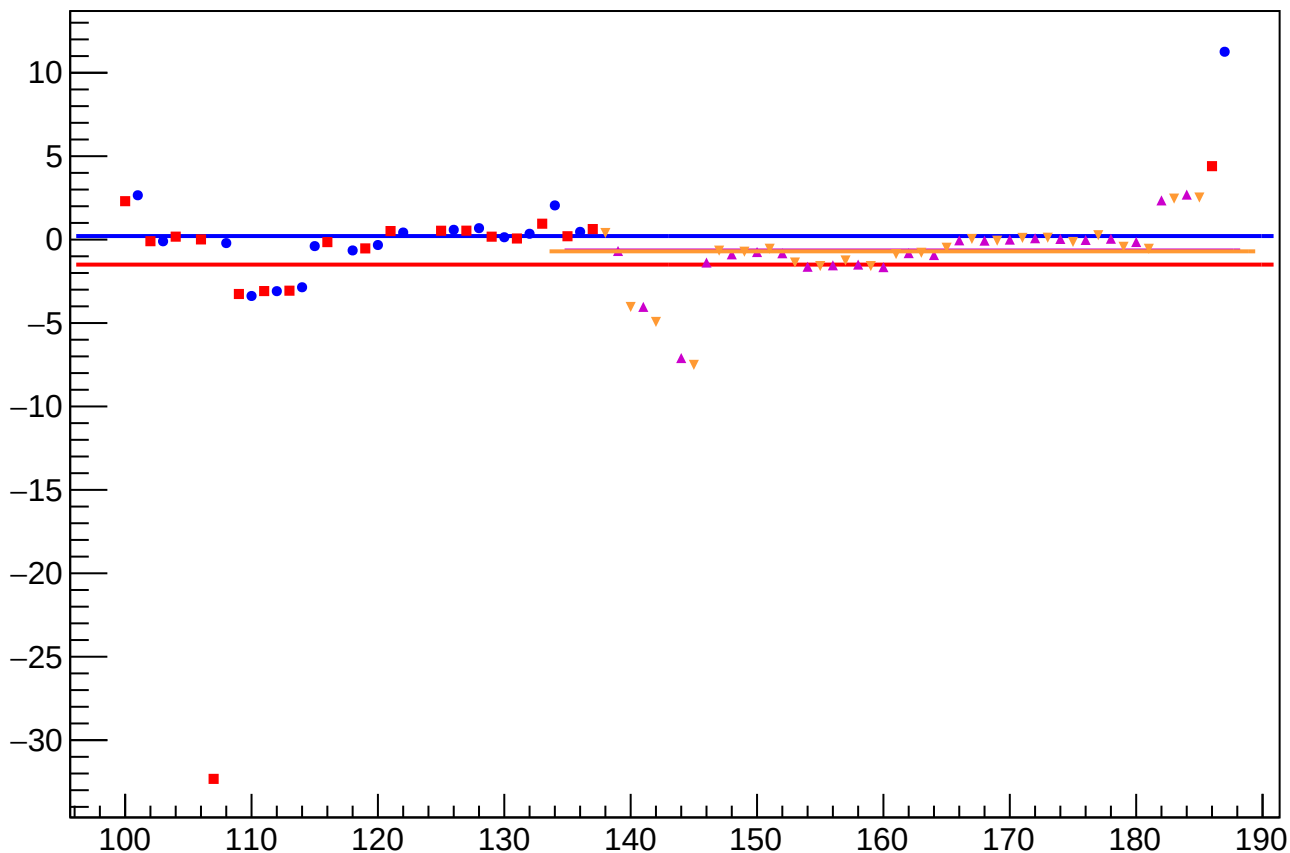
Right: -0.046 ± 0.274 χ^2/NDF : 186.7/35

In: -1.547 ± 0.154 χ^2/NDF : 1350.1/39

Out: -1.343 ± 0.154 χ^2/NDF : 1600.2/42

All: -1.445 ± 0.109 χ^2/NDF : 2951.2/82

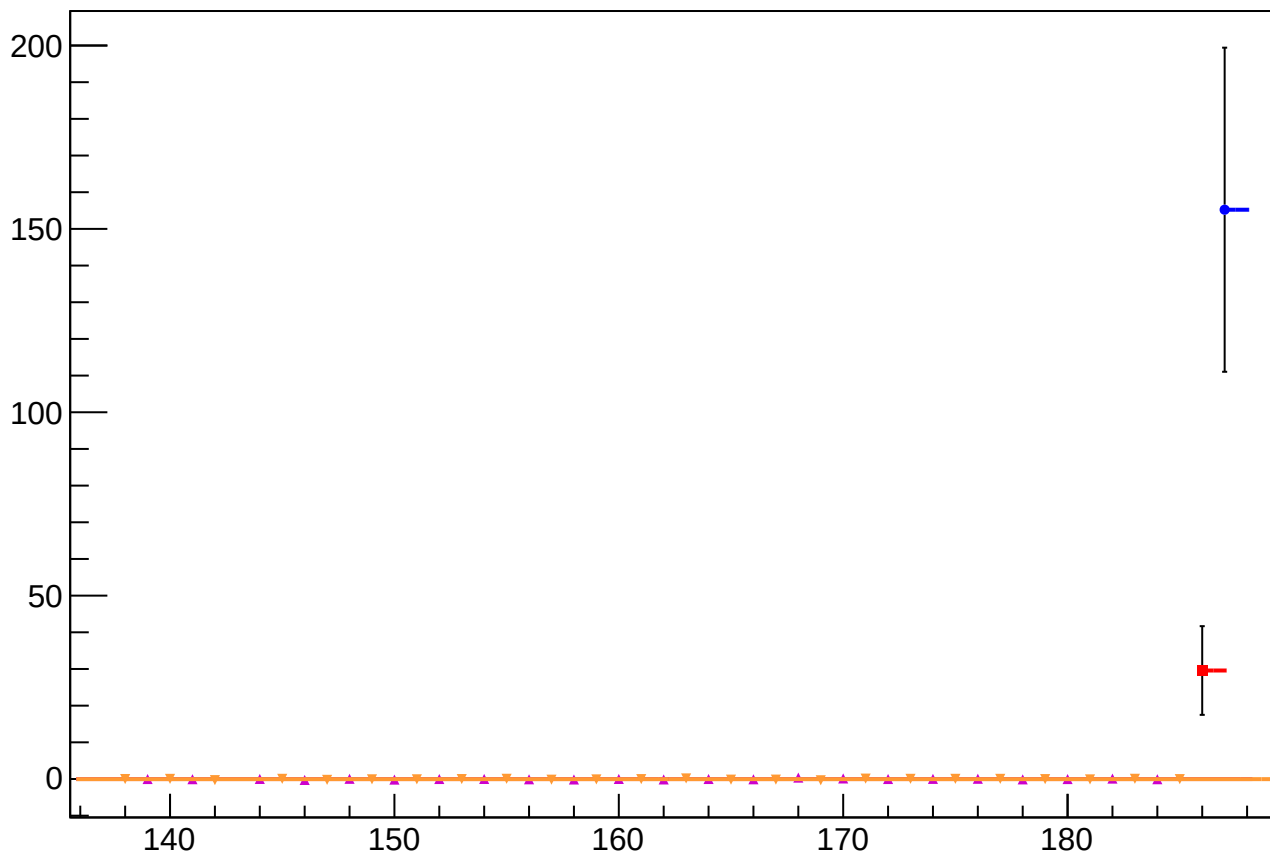
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.213 ± 0.021 $\chi^2/\text{NDF}: 7308.5/16$
 Left Out: -0.703 ± 0.008 $\chi^2/\text{NDF}: 53770.3/23$
 Right Out: -1.498 ± 0.022 $\chi^2/\text{NDF}: 79571.4/18$
 Left In: -0.651 ± 0.008 $\chi^2/\text{NDF}: 44167.1/22$

Left: -0.677 ± 0.005 $\chi^2/\text{NDF}: 97959.9/46$
 Right: -0.636 ± 0.015 $\chi^2/\text{NDF}: 90051.2/35$
 In: -0.554 ± 0.007 $\chi^2/\text{NDF}: 52922.6/39$
 Out: -0.791 ± 0.007 $\chi^2/\text{NDF}: 134550.3/42$
 All: -0.672 ± 0.005 $\chi^2/\text{NDF}: 188017.4/82$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 155.225+/-44.188 χ^2/NDF : 0.0/0

Left Out: -0.038+/-0.018 χ^2/NDF :35.6/23

Right Out: 29.583+/-12.092 χ^2/NDF : 0.0/0

Left In: -0.009+/-0.018 χ^2/NDF :35.3/22

Left: -0.024+/-0.013 χ^2/NDF : 72.1/46

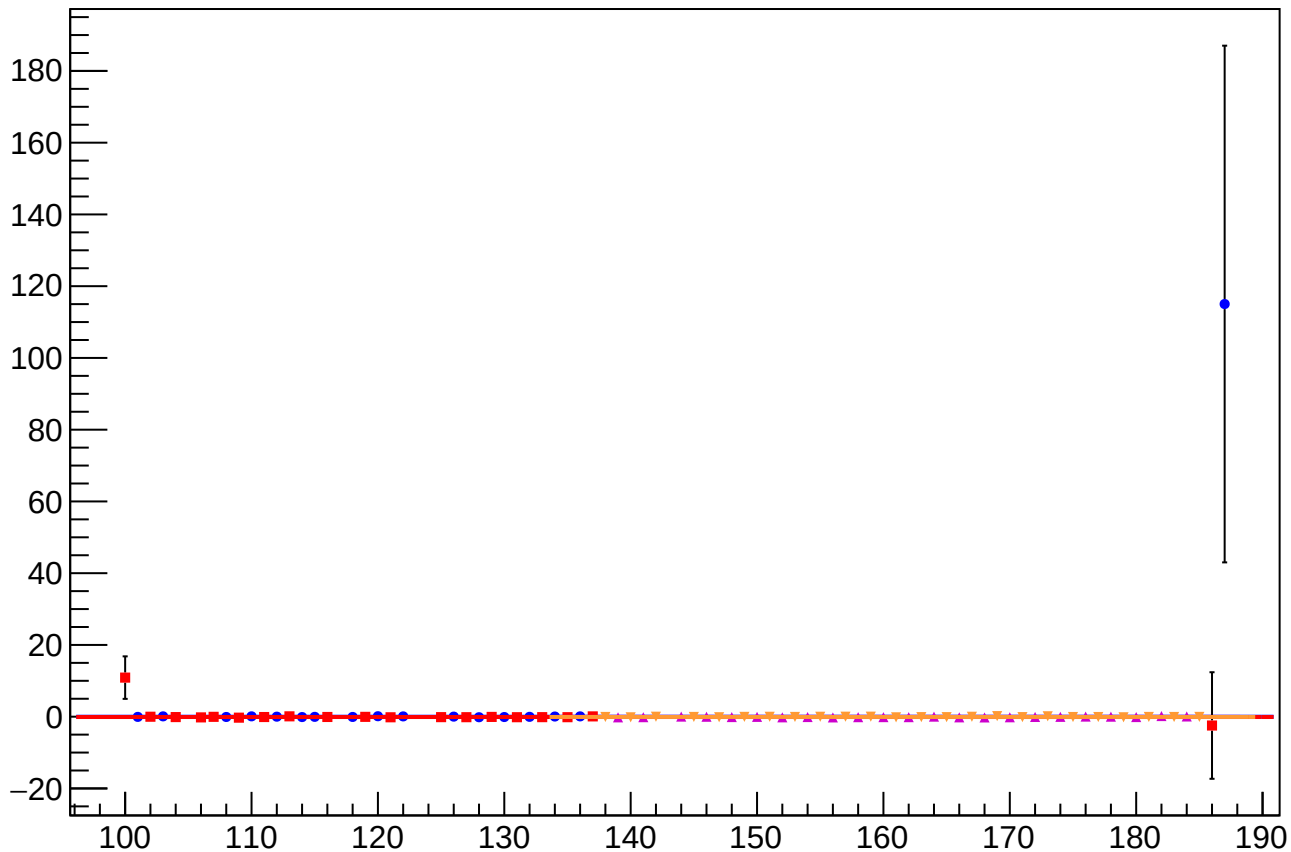
Right: 38.336+/-11.663 χ^2/NDF : 7.5/1

In: -0.009+/-0.018 χ^2/NDF :47.6/23

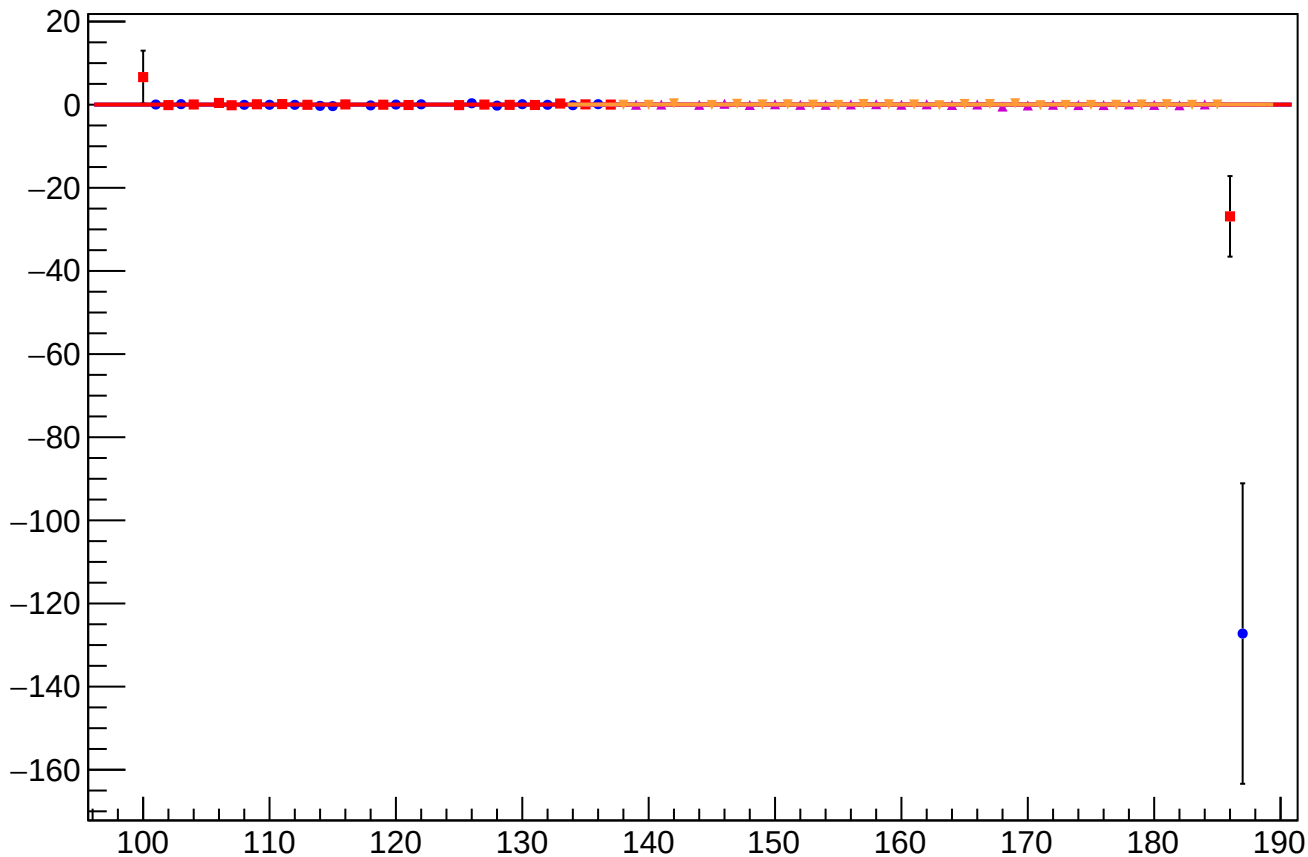
Out: -0.038+/-0.018 χ^2/NDF :41.6/24

All: -0.024+/-0.013 χ^2/NDF : 90.5/48

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.043 χ^2 /NDF: 22.0/16

Left Out: 0.036 $\pm$ 0.018 χ^2 /NDF:32.4/23

Right Out: 0.029 $\pm$ 0.045 χ^2 /NDF: 16.9/18

Left In: -0.010 $\pm$ 0.018 χ^2 /NDF:37.1/22

Left: 0.013 $\pm$ 0.013 χ^2 /NDF: 72.8/46

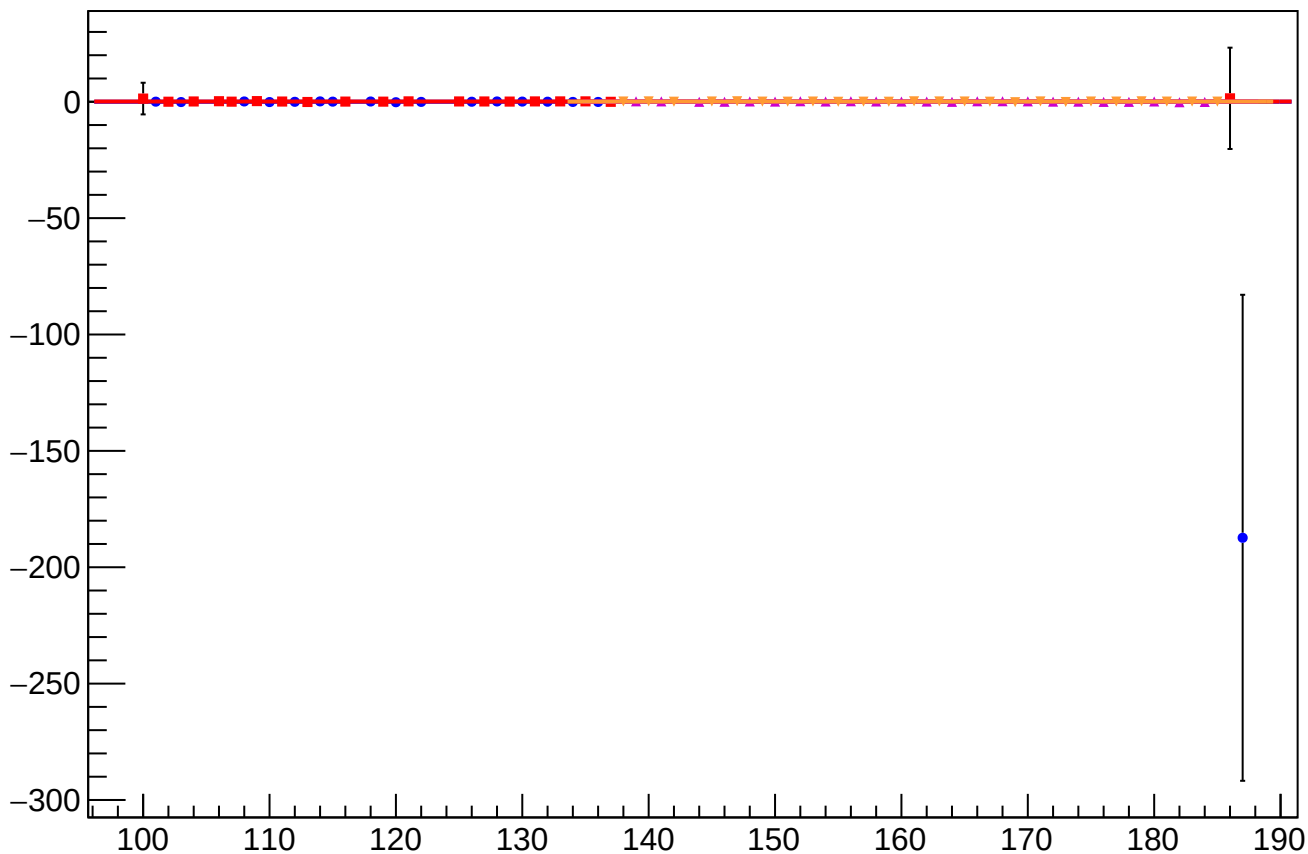
Right: 0.023 $\pm$ 0.031 χ^2 /NDF: 39.0/35

In: -0.006 $\pm$ 0.017 χ^2 /NDF:59.5/39

Out: 0.035 $\pm$ 0.017 χ^2 /NDF:49.3/42

All: 0.014 $\pm$ 0.012 χ^2 /NDF: 111.8/82

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 15.3/16

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.8/23

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 8.0/18

Left In: 0.071 $\pm$ 0.016 χ^2 /NDF: 44.0/22

Left: 0.079 $\pm$ 0.011 χ^2 /NDF: 72.1/46

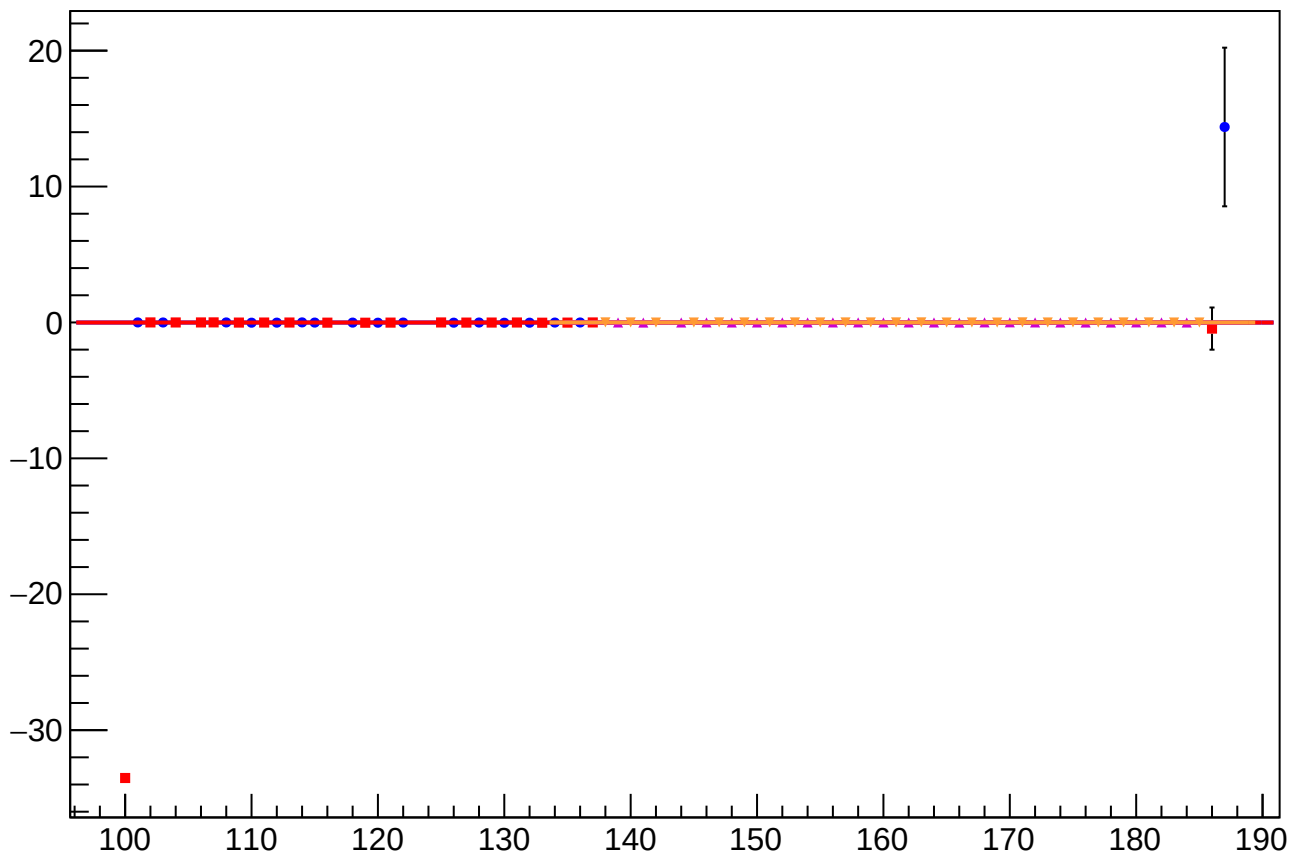
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 30.2/35

In: 0.054 $\pm$ 0.014 χ^2 /NDF: 63.5/39

Out: 0.092 $\pm$ 0.014 χ^2 /NDF: 36.3/42

All: 0.073 $\pm$ 0.010 χ^2 /NDF: 103.4/82

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 28.7/16

Left Out: 0.000 $\pm$ 0.001 χ^2 /NDF:23.9/23

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26509.0/18

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF:22.4/22

Left: 0.000 $\pm$ 0.001 χ^2 /NDF: 46.3/46

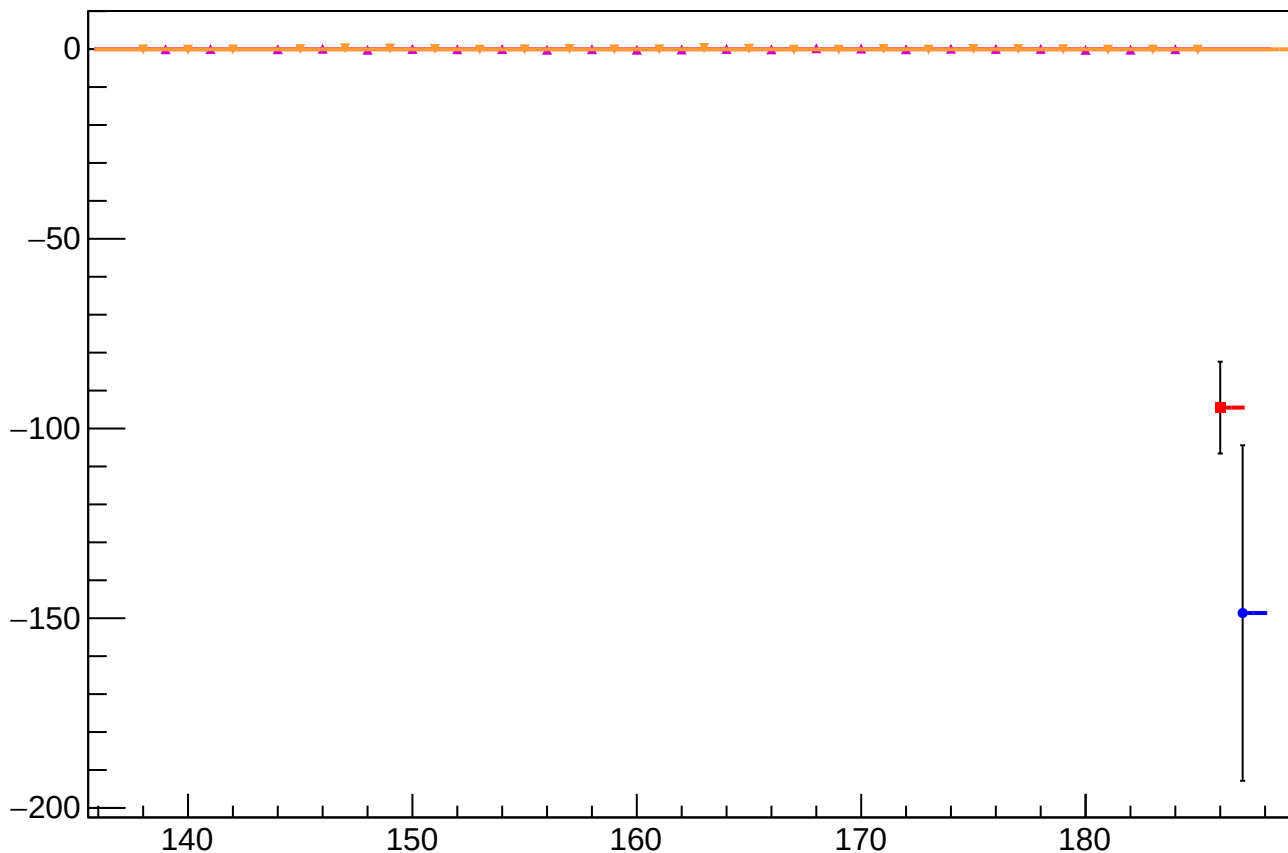
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26537.8/35

In: -0.001 $\pm$ 0.001 χ^2 /NDF:63.2/39

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26547.7/42

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 26610.9/82

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -148.630+/-44.216 χ^2/NDF : 0.0/0

Left Out: -0.052+/-0.018 χ^2/NDF : 37.3/23

Right Out: -94.487+/-12.098 χ^2/NDF : 0.0/0

Left In: -0.010+/-0.018 χ^2/NDF : 33.3/22

Left: -0.031+/-0.013 χ^2/NDF : 73.3/46

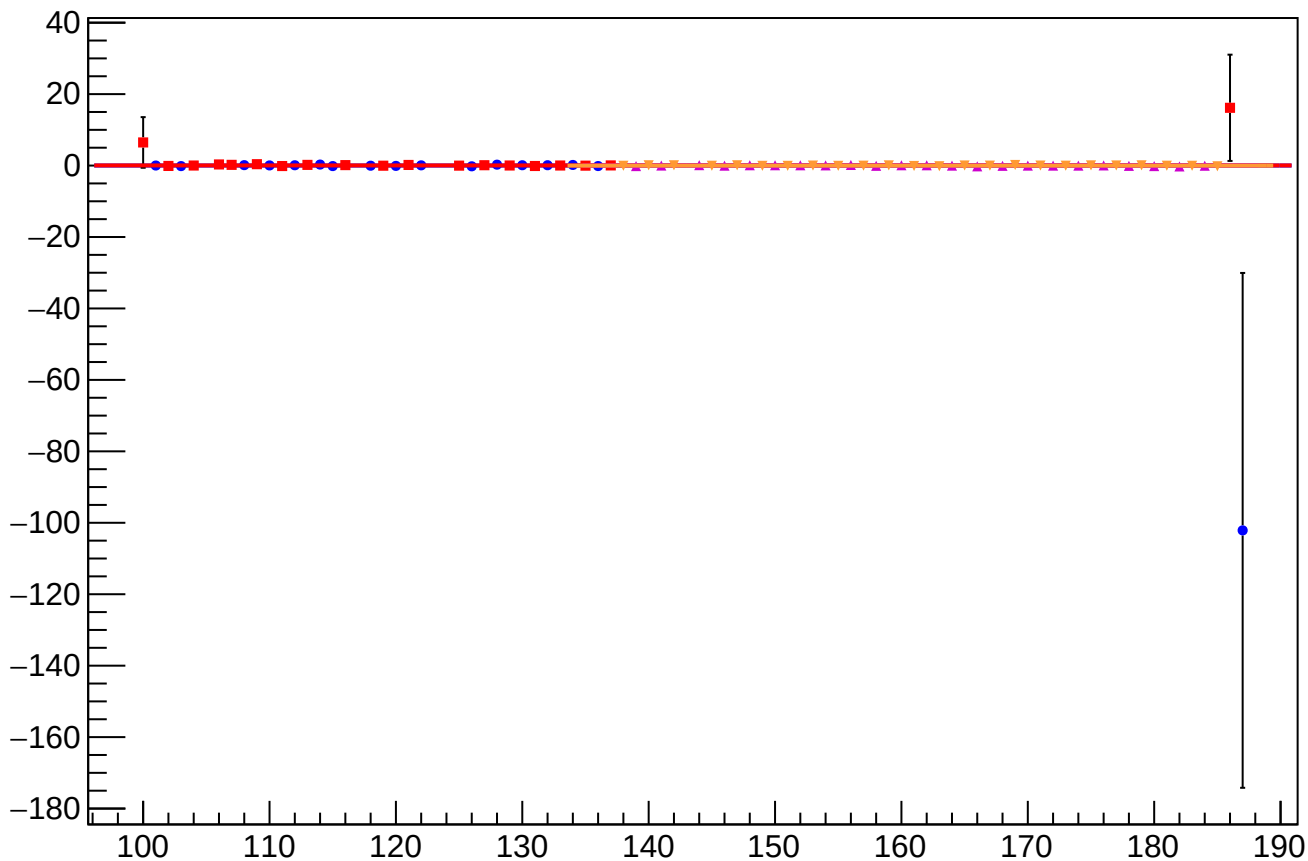
Right: -98.258+/-11.669 χ^2/NDF : 1.4/1

In: -0.010+/-0.018 χ^2/NDF : 44.6/23

Out: -0.052+/-0.018 χ^2/NDF : 98.3/24

All: -0.031+/-0.013 χ^2/NDF : 145.6/48

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2 /NDF: 27.4/16

Left Out: -0.010 $\pm$ 0.014 χ^2 /NDF:29.5/23

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 29.1/18

Left In: 0.004 $\pm$ 0.014 χ^2 /NDF:50.3/22

Left: -0.003 $\pm$ 0.010 χ^2 /NDF: 80.2/46

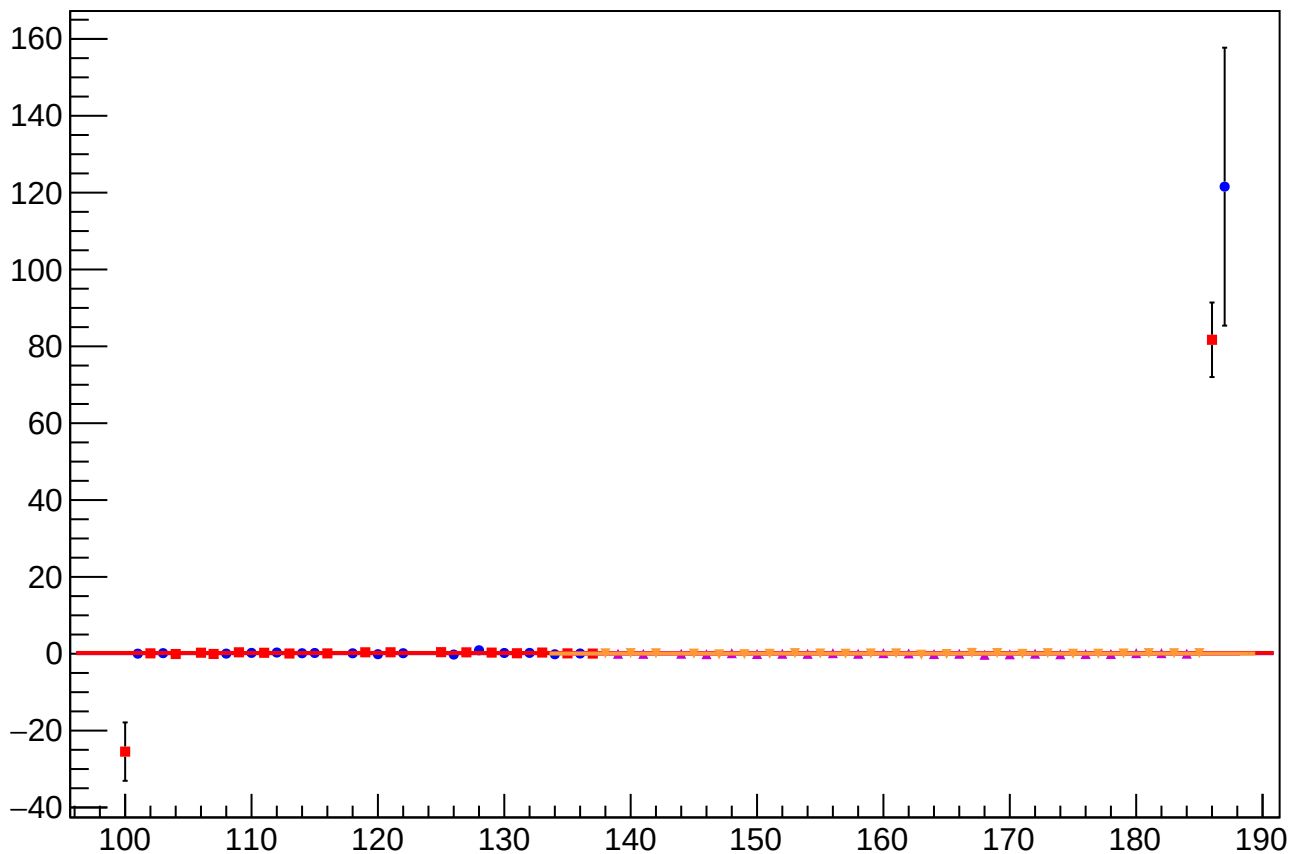
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 57.3/35

In: 0.006 $\pm$ 0.012 χ^2 /NDF:77.8/39

Out: 0.002 $\pm$ 0.012 χ^2 /NDF:61.7/42

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 139.5/82

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.043 χ^2 /NDF: 40.0/16

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.202 $\pm$ 0.045 χ^2 /NDF: 93.5/18

Left In: 0.021 $\pm$ 0.018 χ^2 /NDF:34.0/22

Left: 0.034 $\pm$ 0.013 χ^2 /NDF: 70.5/46

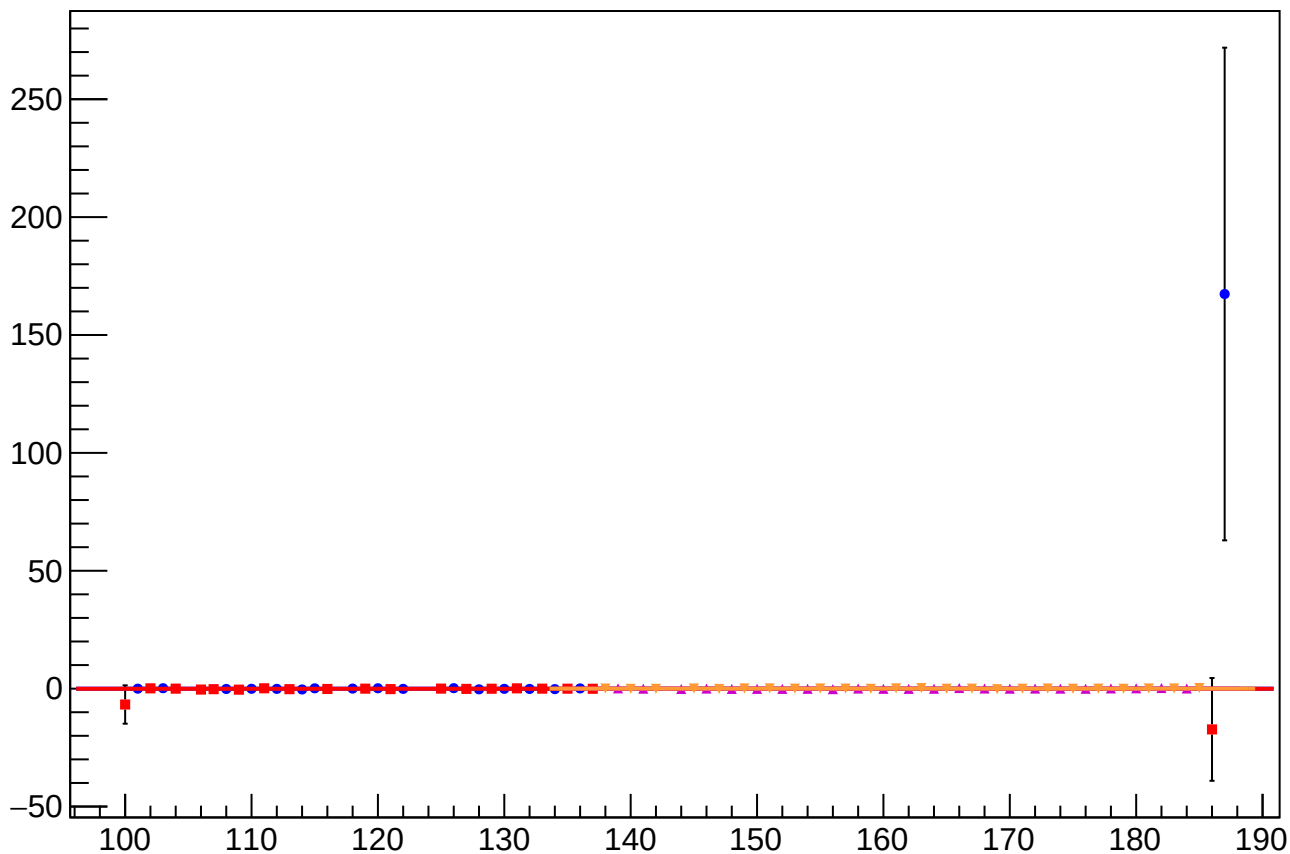
Right: 0.176 $\pm$ 0.031 χ^2 /NDF: 134.2/35

In: 0.041 $\pm$ 0.017 χ^2 /NDF:82.0/39

Out: 0.069 $\pm$ 0.017 χ^2 /NDF:139.0/42

All: 0.055 $\pm$ 0.012 χ^2 /NDF: 222.5/82

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 χ^2/NDF : 27.7/16

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.2/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 26.4/18

Left In: 0.007 ± 0.016 χ^2/NDF : 50.7/22

Left: 0.014 ± 0.011 χ^2/NDF : 84.2/46

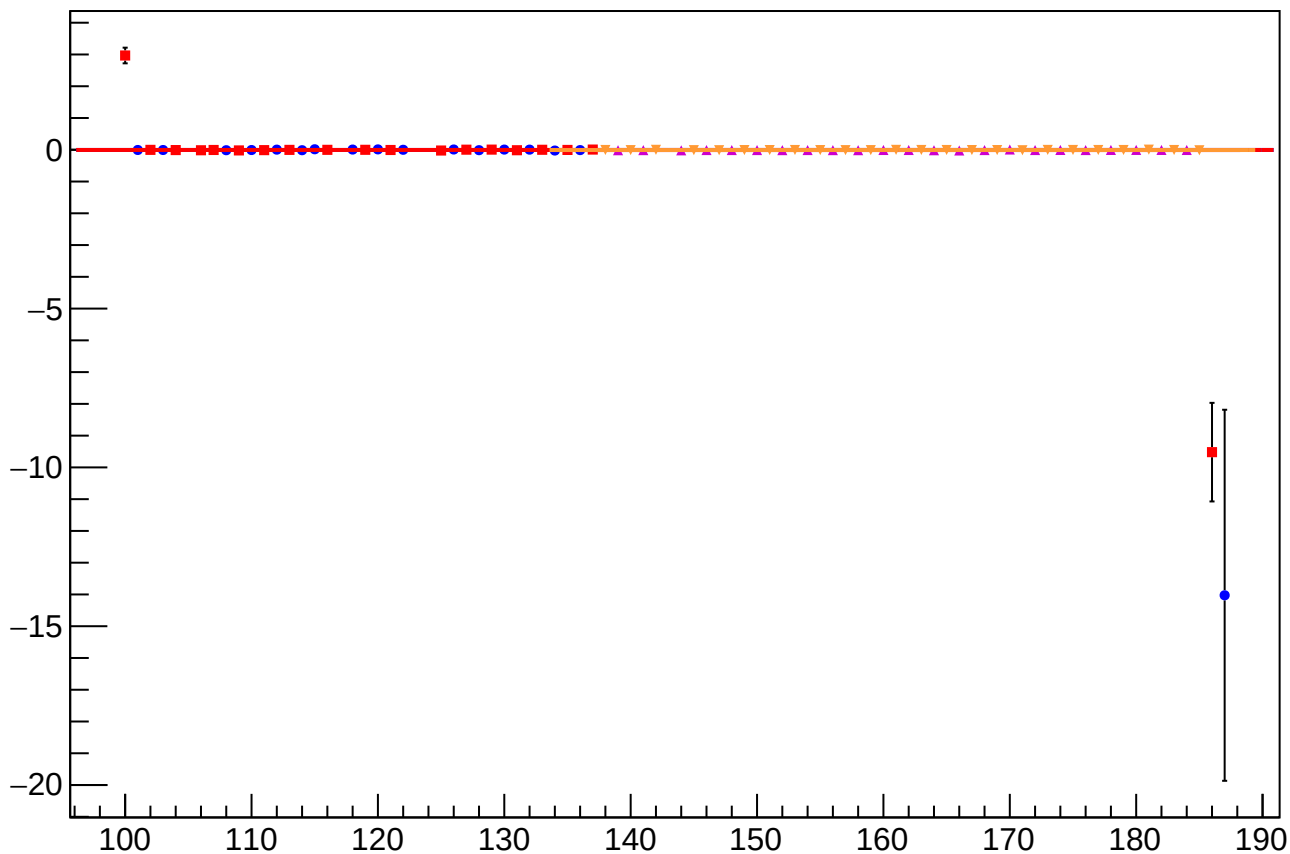
Right: -0.031 ± 0.020 χ^2/NDF : 55.0/35

In: 0.002 ± 0.014 χ^2/NDF : 78.8/39

Out: 0.004 ± 0.014 χ^2/NDF : 64.2/42

All: 0.003 ± 0.010 χ^2/NDF : 143.0/82

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 34.8/16

Left Out: -0.008 ± 0.001 χ^2/NDF : 31.9/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 203.4/18

Left In: -0.009 ± 0.001 χ^2/NDF : 39.2/22

Left: -0.008 ± 0.001 χ^2/NDF : 71.4/46

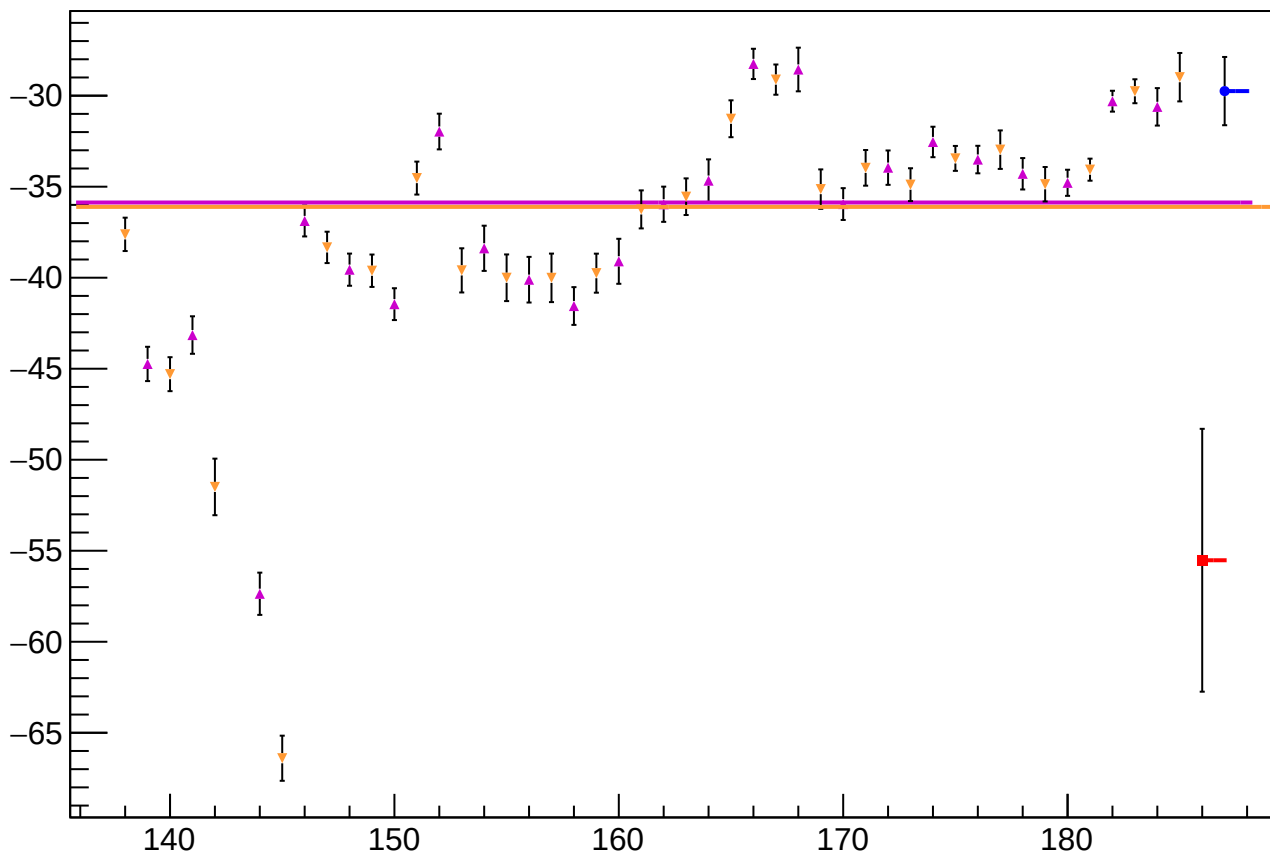
Right: -0.006 ± 0.001 χ^2/NDF : 238.2/35

In: -0.008 ± 0.001 χ^2/NDF : 76.8/39

Out: -0.008 ± 0.001 χ^2/NDF : 237.1/42

All: -0.008 ± 0.000 χ^2/NDF : 314.2/82

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.748 ± 1.875 χ^2/NDF : 0.0/0

Left Out: -36.110 ± 0.192 χ^2/NDF : 1118.4/23

Right Out: -55.523 ± 7.220 χ^2/NDF : 0.0/0

Left In: -35.869 ± 0.191 χ^2/NDF : 887.1/22

Left: -35.989 ± 0.135 χ^2/NDF : 2006.3/46

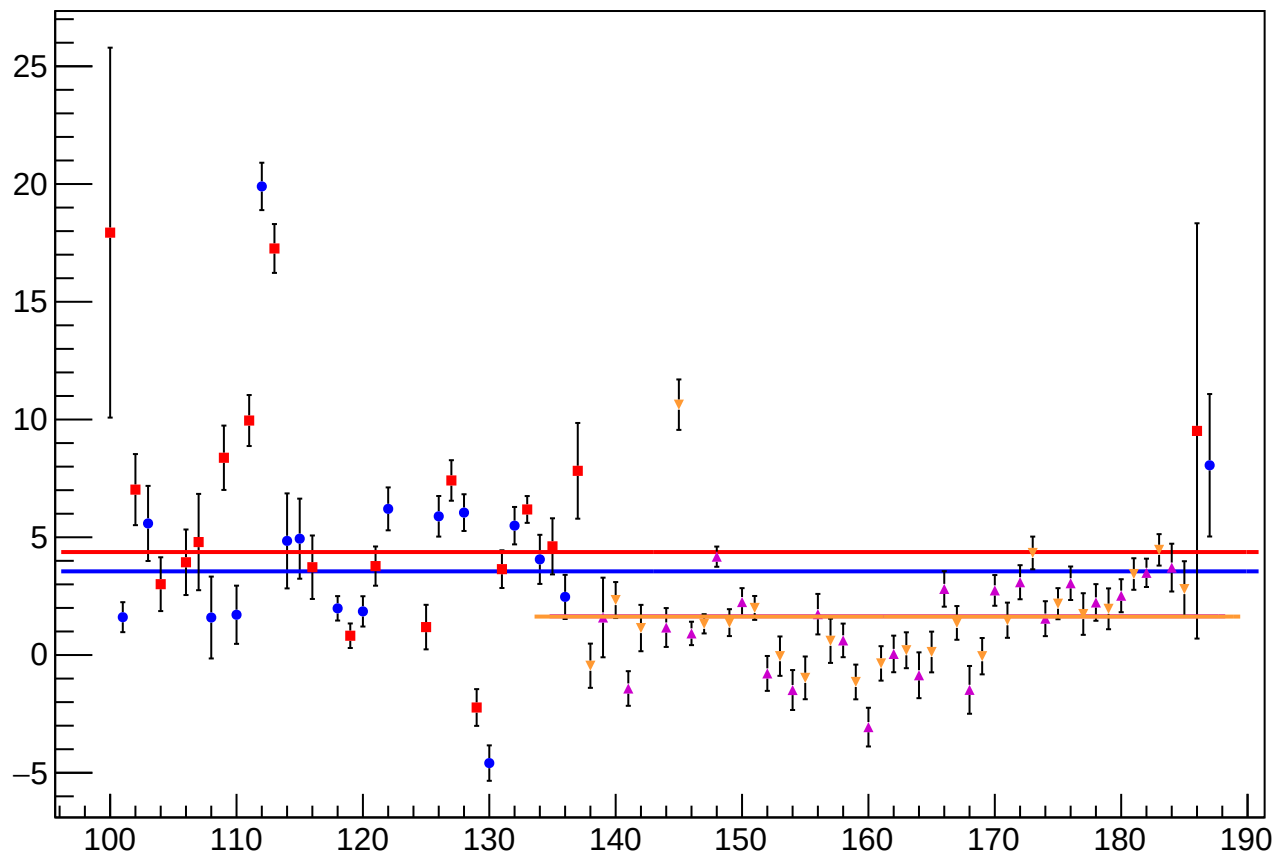
Right: -31.376 ± 1.815 χ^2/NDF : 11.9/1

In: -35.806 ± 0.190 χ^2/NDF : 897.7/23

Out: -36.124 ± 0.192 χ^2/NDF : 1125.6/24

All: -35.963 ± 0.135 χ^2/NDF : 2024.7/48

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.553 $\pm$ 0.217 χ^2 /NDF: 448.8/16

Left Out: 1.632 $\pm$ 0.148 χ^2 /NDF:166.7/23

Right Out: 4.373 $\pm$ 0.225 χ^2 /NDF: 354.2/18

Left In: 1.646 $\pm$ 0.149 χ^2 /NDF:164.1/22

Left: 1.639 $\pm$ 0.105 χ^2 /NDF: 330.7/46

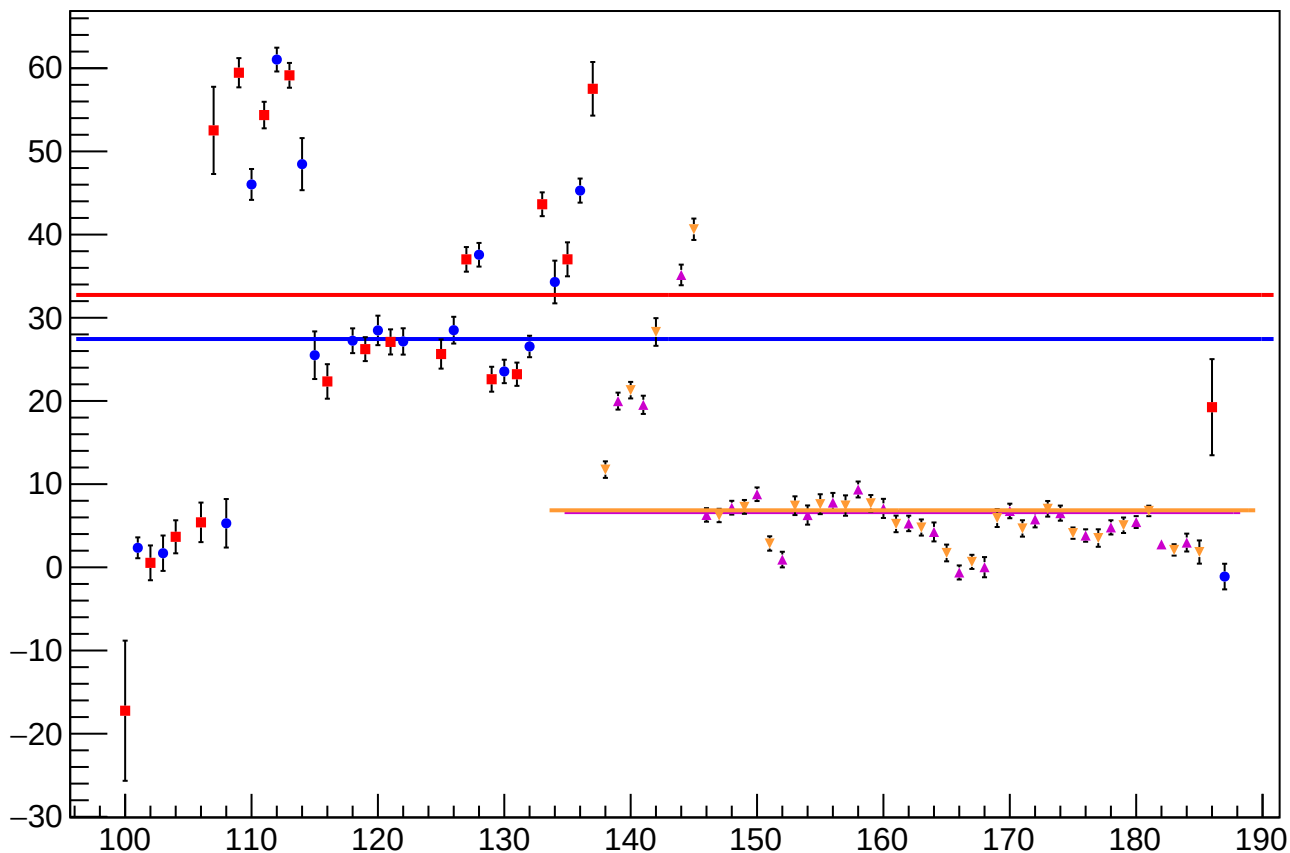
Right: 3.947 $\pm$ 0.156 χ^2 /NDF: 809.8/35

In: 2.258 $\pm$ 0.123 χ^2 /NDF:665.4/39

Out: 2.456 $\pm$ 0.124 χ^2 /NDF:624.3/42

All: 2.357 $\pm$ 0.087 χ^2 /NDF: 1291.0/82

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.446 $\pm$ 0.402 χ^2 /NDF: 1863.5/16

Left Out: 6.855 $\pm$ 0.191 χ^2 /NDF:1298.7/23

Right Out: 32.744 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

Left In: 6.639 $\pm$ 0.190 χ^2 /NDF:1077.2/22

Left: 6.746 $\pm$ 0.135 χ^2 /NDF: 2376.6/46

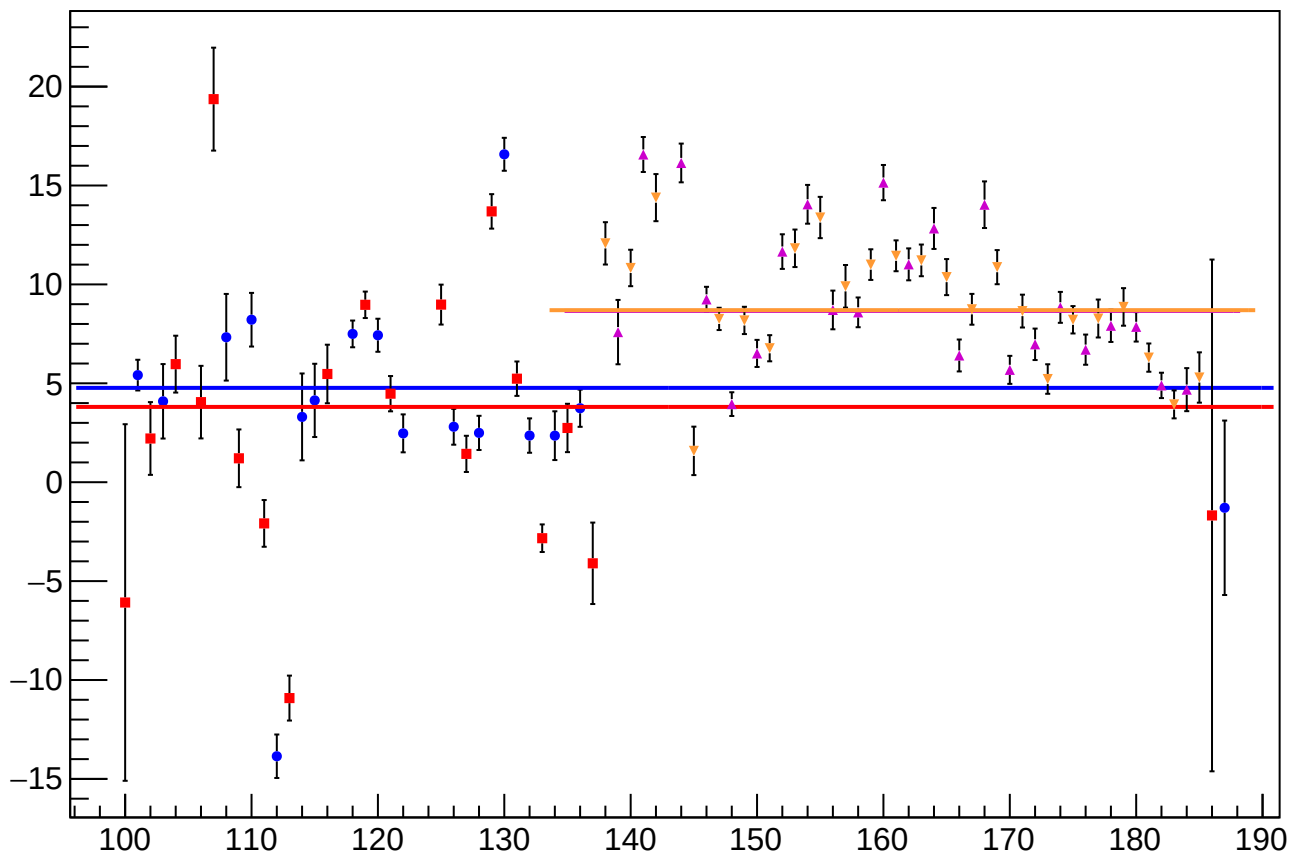
Right: 29.970 $\pm$ 0.291 χ^2 /NDF: 3610.9/35

In: 10.426 $\pm$ 0.172 χ^2 /NDF:5128.8/39

Out: 11.276 $\pm$ 0.174 χ^2 /NDF:6088.5/42

All: 10.844 $\pm$ 0.122 χ^2 /NDF: 11229.3/82

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.769 $\pm$ 0.251 χ^2 /NDF: 555.8/16

Left Out: 8.697 $\pm$ 0.169 χ^2 /NDF:241.1/23

Right Out: 3.807 $\pm$ 0.259 χ^2 /NDF: 567.8/18

Left In: 8.659 $\pm$ 0.170 χ^2 /NDF:438.0/22

Left: 8.678 $\pm$ 0.120 χ^2 /NDF: 679.2/46

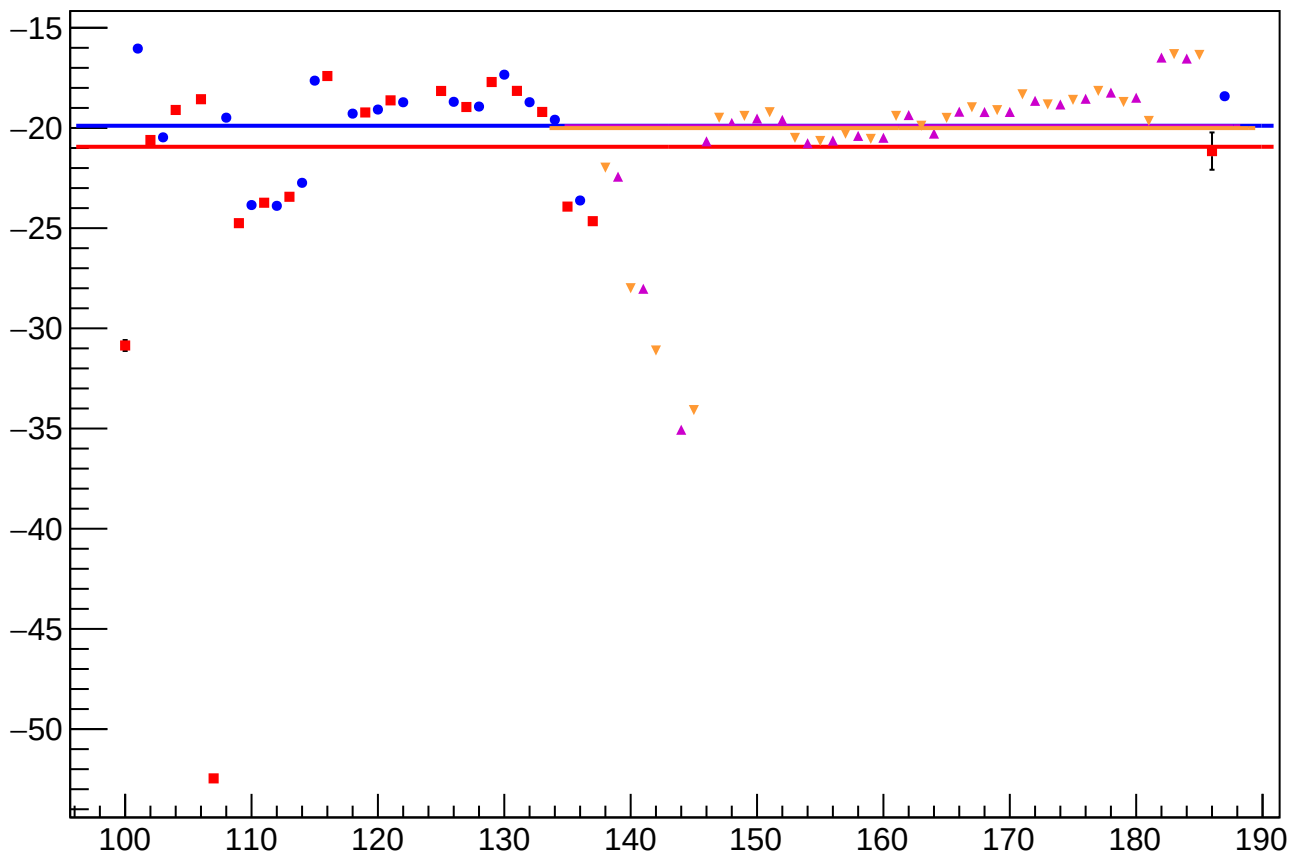
Right: 4.303 $\pm$ 0.180 χ^2 /NDF: 1130.7/35

In: 7.437 $\pm$ 0.141 χ^2 /NDF:1158.8/39

Out: 7.236 $\pm$ 0.141 χ^2 /NDF:1059.2/42

All: 7.337 $\pm$ 0.100 χ^2 /NDF: 2219.1/82

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.889 $\pm$ 0.016 χ^2 /NDF: 26109.0/16

Left Out: -20.007 $\pm$ 0.008 χ^2 /NDF:171647.2/23

Right Out: -20.939 $\pm$ 0.016 χ^2 /NDF: 94065.2/18

Left In: -19.912 $\pm$ 0.008 χ^2 /NDF:145487.3/22

Left: -19.959 $\pm$ 0.006 χ^2 /NDF: 317207.1/46

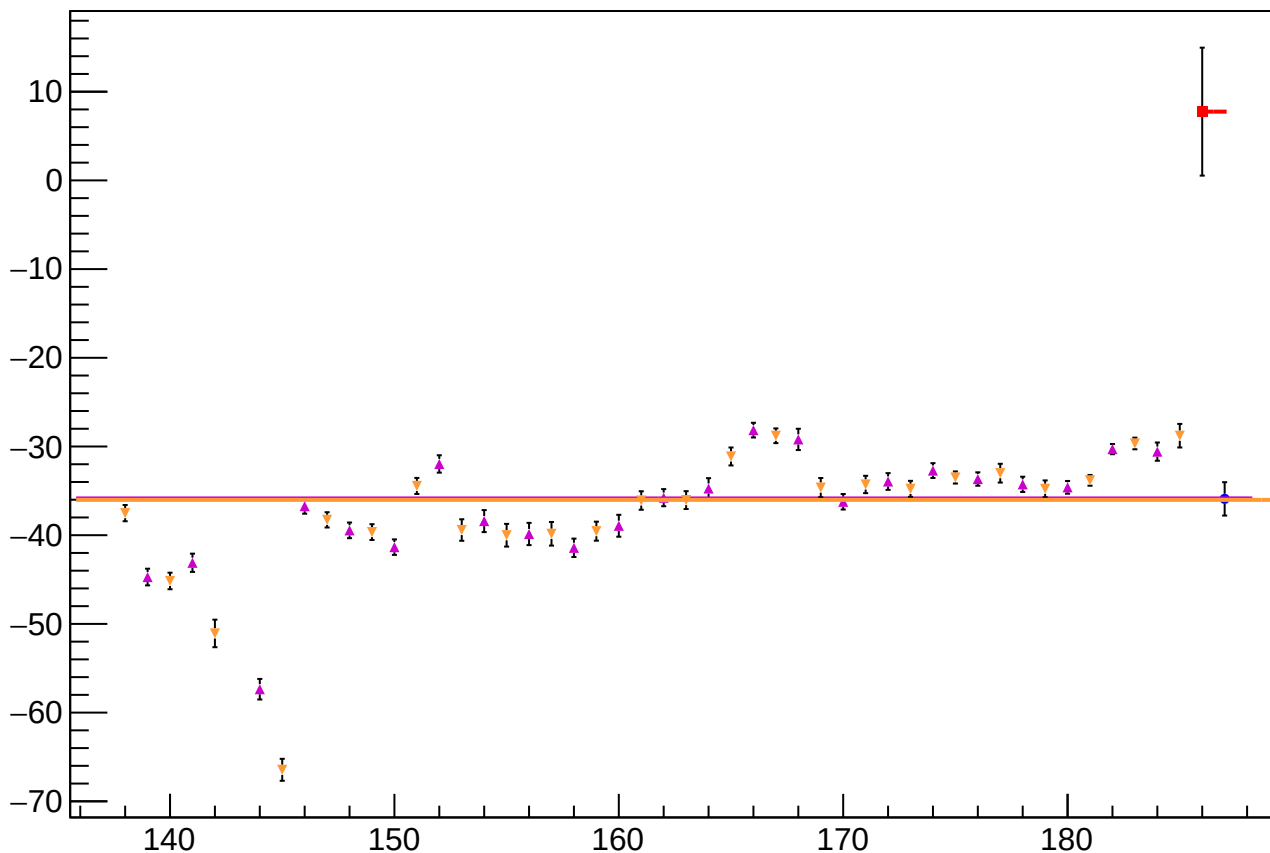
Right: -20.408 $\pm$ 0.011 χ^2 /NDF: 122429.3/35

In: -19.908 $\pm$ 0.007 χ^2 /NDF:171598.0/39

Out: -20.195 $\pm$ 0.007 χ^2 /NDF:268521.7/42

All: -20.050 $\pm$ 0.005 χ^2 /NDF: 440956.8/82

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



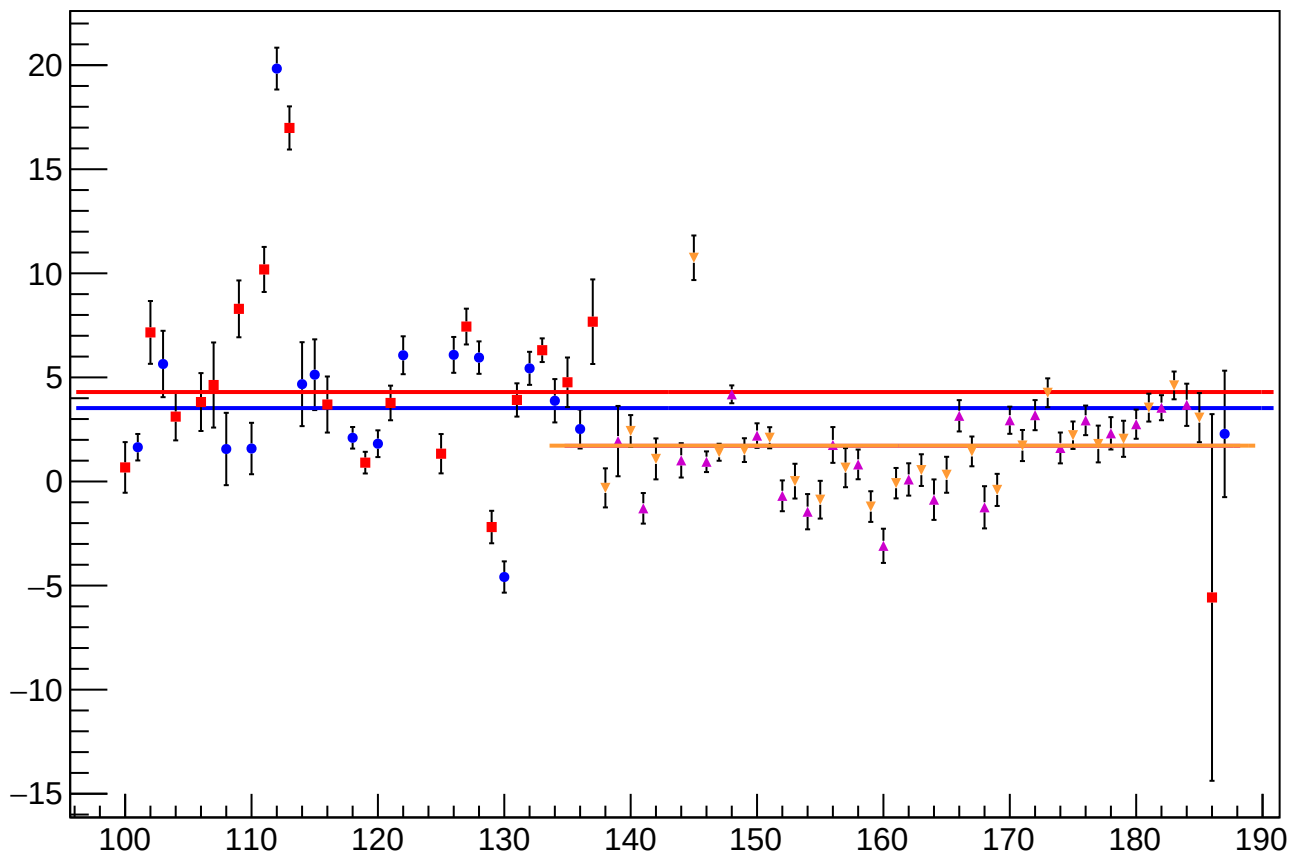
Right In: -35.906 $\pm$ 1.881 χ^2 /NDF: 0.0/0
 Left Out: -36.019 $\pm$ 0.192 χ^2 /NDF:1125.4/23
 Right Out: 7.751 $\pm$ 7.212 χ^2 /NDF: 0.0/0
 Left In: -35.856 $\pm$ 0.191 χ^2 /NDF:875.9/22

Left: -35.937 $\pm$ 0.135 χ^2 /NDF: 2001.6/46
 Right: -33.124 $\pm$ 1.820 χ^2 /NDF: 34.3/1

In: -35.856 $\pm$ 0.190 χ^2 /NDF:875.9/23
 Out: -35.988 $\pm$ 0.192 χ^2 /NDF:1162.2/24

All: -35.921 $\pm$ 0.135 χ^2 /NDF: 2038.3/48

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.526 ± 0.217 $\chi^2/\text{NDF}: 443.4/16$

Left Out: 1.721 ± 0.148 $\chi^2/\text{NDF}: 168.3/23$

Right Out: 4.297 ± 0.221 $\chi^2/\text{NDF}: 354.0/18$

Left In: 1.712 ± 0.149 $\chi^2/\text{NDF}: 164.1/22$

Left: 1.717 ± 0.105 $\chi^2/\text{NDF}: 332.4/46$

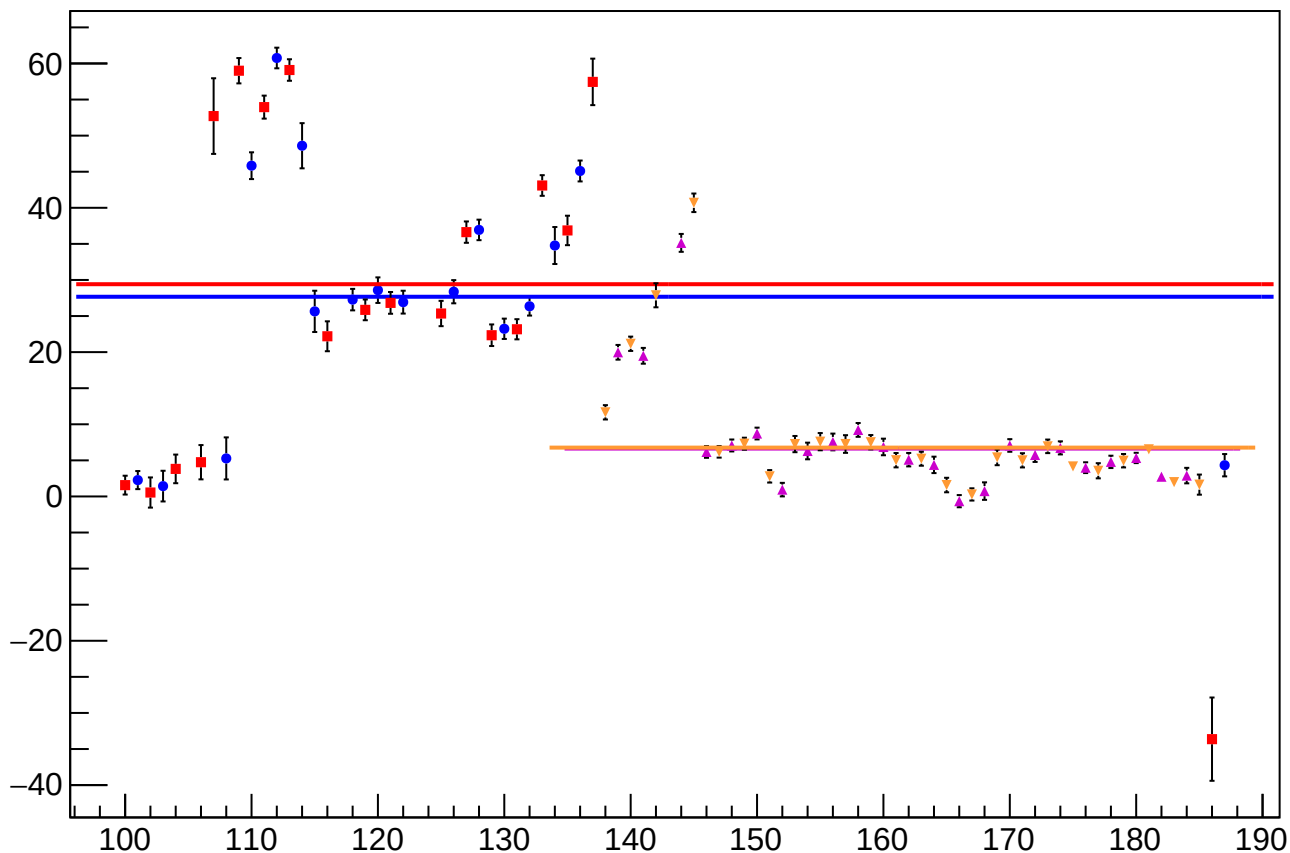
Right: 3.903 ± 0.155 $\chi^2/\text{NDF}: 803.7/35$

In: 2.295 ± 0.123 $\chi^2/\text{NDF}: 655.1/39$

Out: 2.513 ± 0.123 $\chi^2/\text{NDF}: 616.0/42$

All: 2.404 ± 0.087 $\chi^2/\text{NDF}: 1272.6/82$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.673 $\pm$ 0.402 χ^2 /NDF: 1733.2/16

Left Out: 6.767 $\pm$ 0.191 χ^2 /NDF:1301.2/23

Right Out: 29.412 $\pm$ 0.401 χ^2 /NDF: 2249.5/18

Left In: 6.635 $\pm$ 0.190 χ^2 /NDF:1070.4/22

Left: 6.700 $\pm$ 0.135 χ^2 /NDF: 2371.9/46

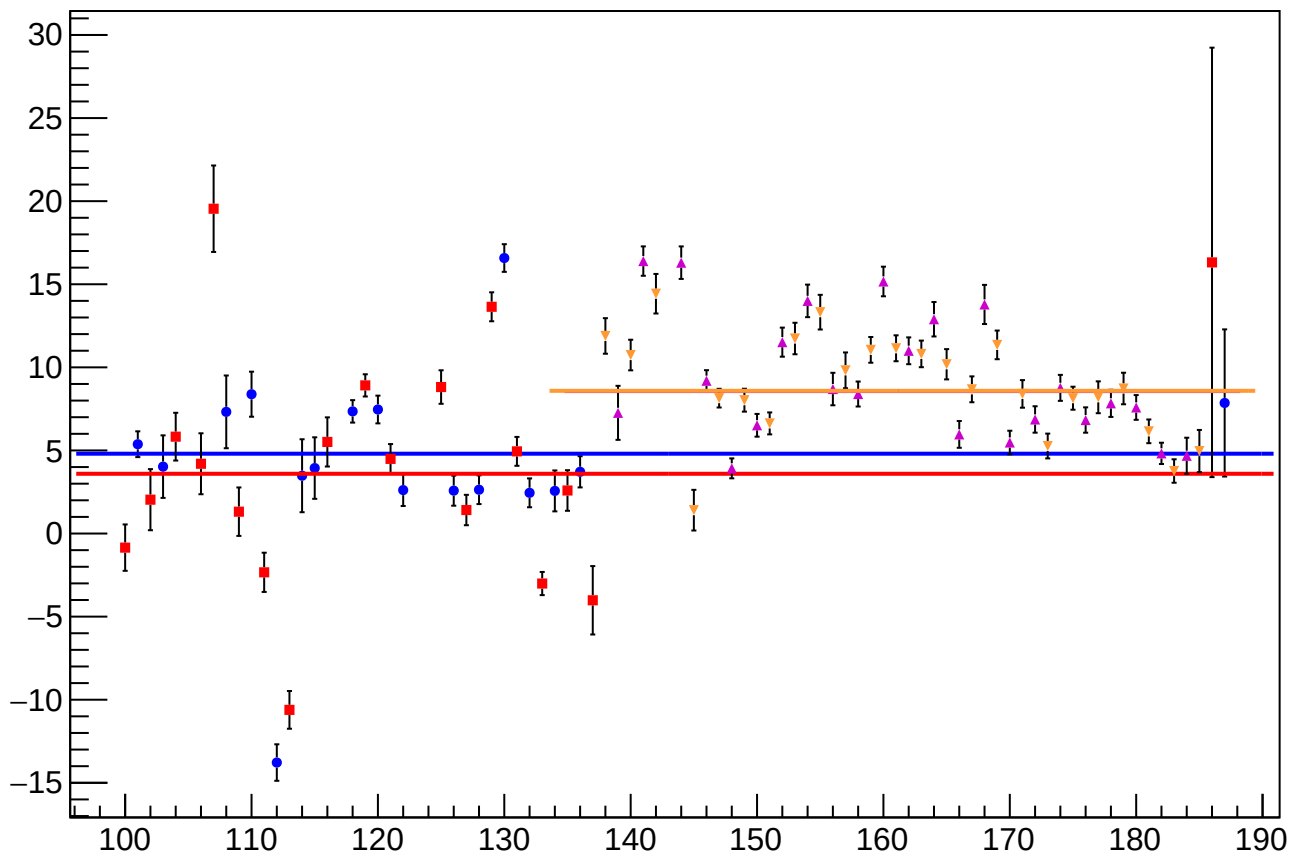
Right: 28.544 $\pm$ 0.284 χ^2 /NDF: 3992.1/35

In: 10.462 $\pm$ 0.172 χ^2 /NDF:5042.6/39

Out: 10.956 $\pm$ 0.173 χ^2 /NDF:6143.7/42

All: 10.707 $\pm$ 0.122 χ^2 /NDF: 11190.3/82

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.804 ± 0.251 χ^2/NDF : 550.4/16

Left Out: 8.588 ± 0.169 χ^2/NDF : 245.6/23

Right Out: 3.596 ± 0.254 χ^2/NDF : 574.3/18

Left In: 8.573 ± 0.170 χ^2/NDF : 443.4/22

Left: 8.581 ± 0.120 χ^2/NDF : 689.0/46

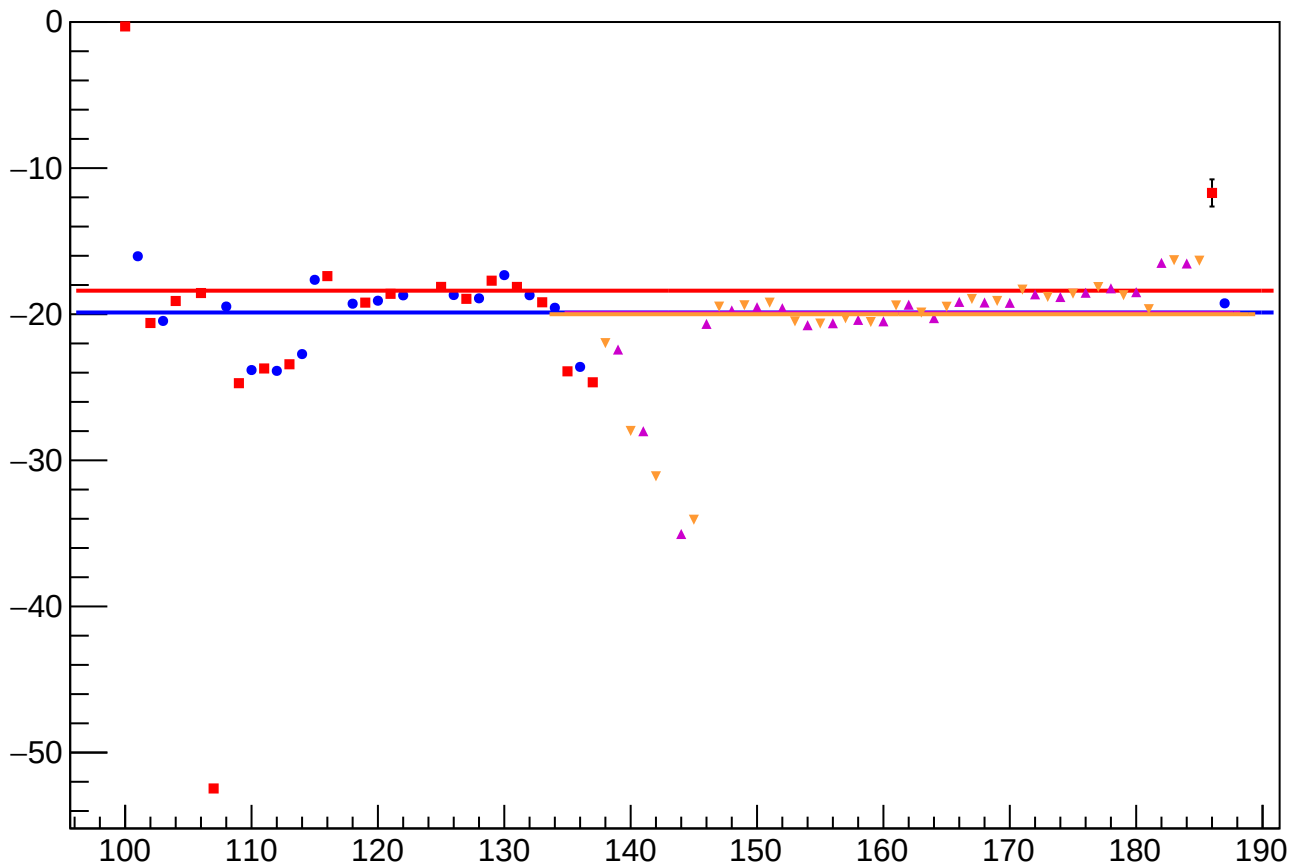
Right: 4.209 ± 0.179 χ^2/NDF : 1136.2/35

In: 7.389 ± 0.140 χ^2/NDF : 1148.9/39

Out: 7.062 ± 0.141 χ^2/NDF : 1087.2/42

All: 7.226 ± 0.099 χ^2/NDF : 2238.9/82

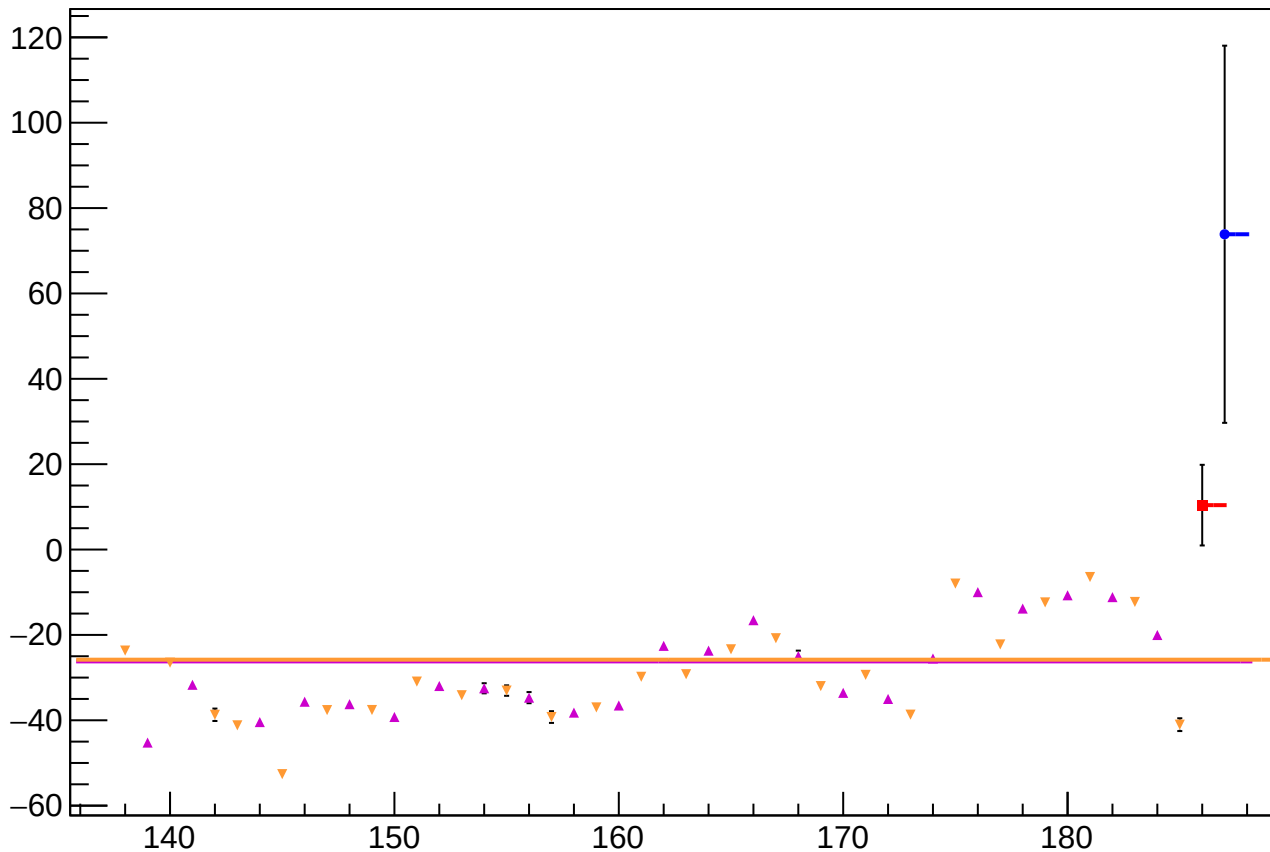
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.881 ± 0.016 χ^2/NDF : 26069.8/16
 Left Out: -19.999 ± 0.008 χ^2/NDF : 171834.0/23
 Right Out: -18.388 ± 0.015 χ^2/NDF : 301299.5/18
 Left In: -19.905 ± 0.008 χ^2/NDF : 145346.7/22

Left: -19.951 ± 0.006 χ^2/NDF : 317253.3/46
 Right: -19.095 ± 0.011 χ^2/NDF : 332231.5/35
 In: -19.900 ± 0.007 χ^2/NDF : 171418.4/39
 Out: -19.640 ± 0.007 χ^2/NDF : 482423.4/42
 All: -19.770 ± 0.005 χ^2/NDF : 654535.8/82

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



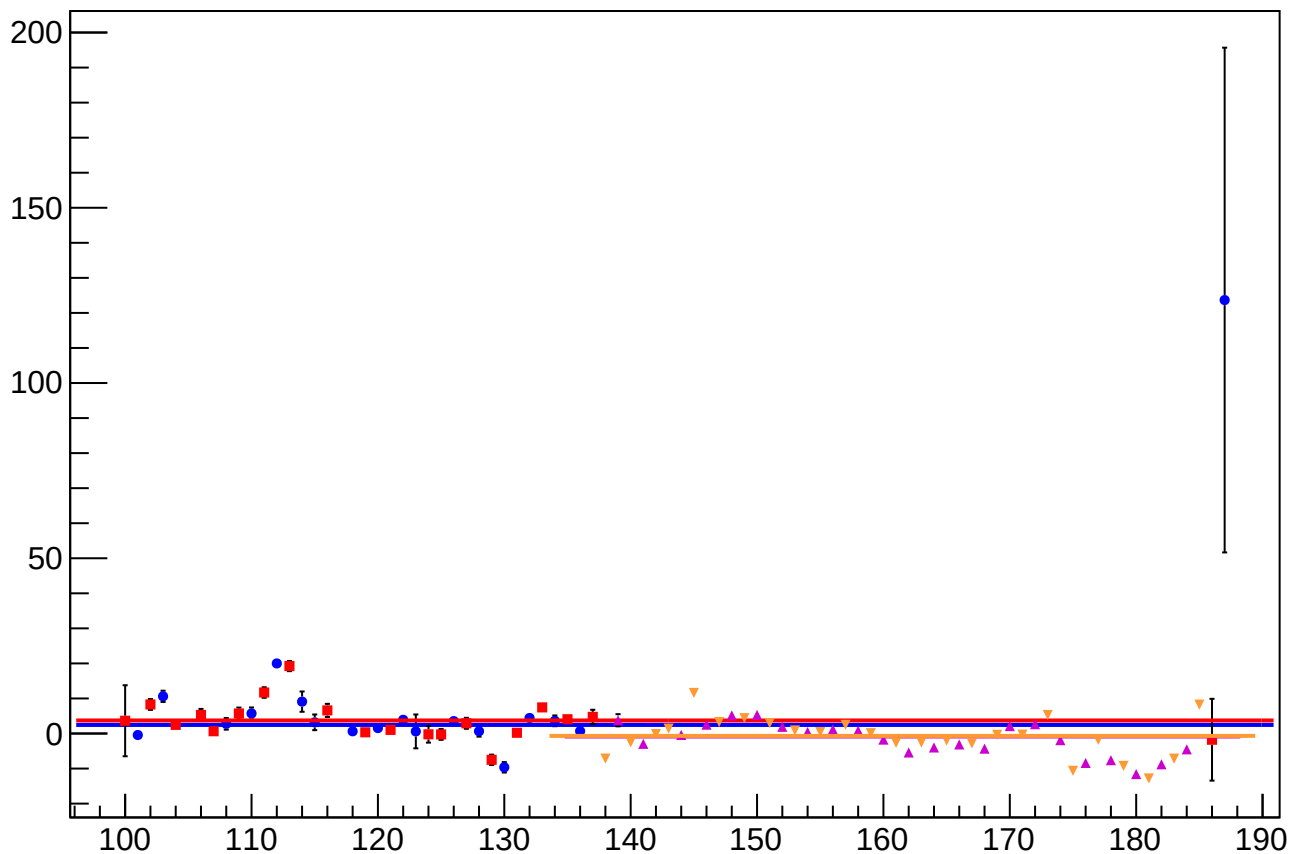
Right In: 73.867+/-44.183 χ^2/NDF : 0.0/0
 Left Out: -25.804+/-0.192 χ^2/NDF :4127.8/24
 Right Out: 10.404+/-9.447 χ^2/NDF : 0.0/0
 Left In: -26.204+/-0.194 χ^2/NDF :3377.8/22

Left: -26.002+/-0.137 χ^2/NDF : 7507.7/47
 Right: 13.179+/-9.238 χ^2/NDF : 2.0/1

In: -26.202+/-0.194 χ^2/NDF :3382.9/23
 Out: -25.789+/-0.192 χ^2/NDF :4142.5/25

All: -25.993+/-0.137 χ^2/NDF : 7527.7/49

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.446+/-0.311 χ^2/NDF : 298.1/17
 Left Out: -0.681+/-0.147 χ^2/NDF : 1314.3/24
 Right Out: 3.721+/-0.327 χ^2/NDF : 269.3/19
 Left In: -0.842+/-0.150 χ^2/NDF : 1071.6/22

Left: -0.760+/-0.105 χ^2/NDF : 2386.5/47
 Right: 3.052+/-0.225 χ^2/NDF : 575.5/37
 In: -0.221+/-0.135 χ^2/NDF : 1460.4/40
 Out: 0.057+/-0.134 χ^2/NDF : 1734.7/44
 All: -0.081+/-0.095 χ^2/NDF : 3197.3/85

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.549 $\pm$ 0.573 χ^2 /NDF: 2260.4/17

Left Out: 55.000 $\pm$ 0.192 χ^2 /NDF: 4524.8/24

Right Out: 81.585 $\pm$ 0.590 χ^2 /NDF: 1624.4/19

Left In: 55.225 $\pm$ 0.193 χ^2 /NDF: 3825.0/22

Left: 55.112 $\pm$ 0.136 χ^2 /NDF: 8350.5/47

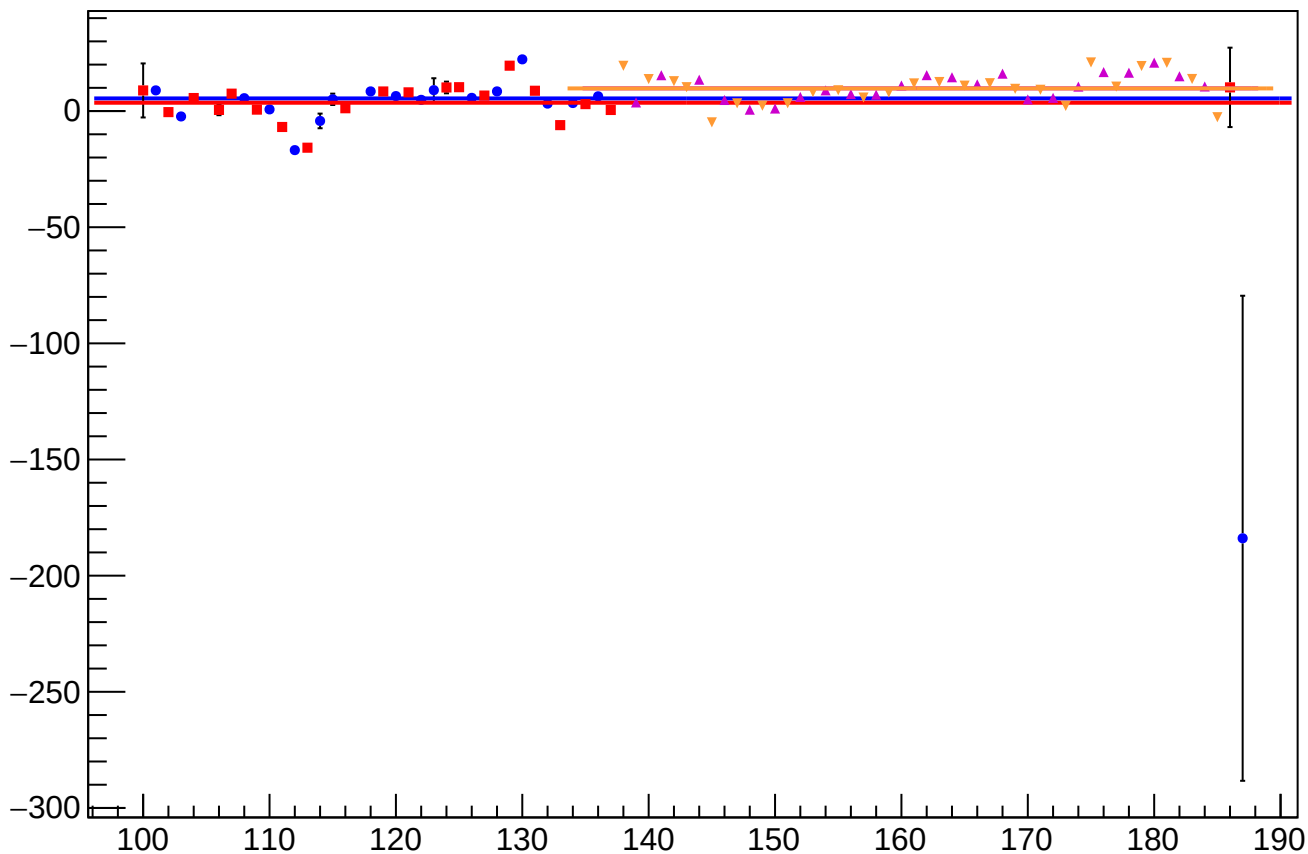
Right: 78.994 $\pm$ 0.411 χ^2 /NDF: 3922.3/37

In: 57.392 $\pm$ 0.183 χ^2 /NDF: 7328.5/40

Out: 57.541 $\pm$ 0.182 χ^2 /NDF: 7984.8/44

All: 57.467 $\pm$ 0.129 χ^2 /NDF: 15313.7/85

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.440 $\pm$ 0.357 χ^2 /NDF: 390.7/17

Left Out: 9.750 $\pm$ 0.168 χ^2 /NDF:1449.2/24

Right Out: 3.588 $\pm$ 0.375 χ^2 /NDF: 423.4/19

Left In: 9.775 $\pm$ 0.171 χ^2 /NDF:1165.6/22

Left: 9.762 $\pm$ 0.120 χ^2 /NDF: 2614.7/47

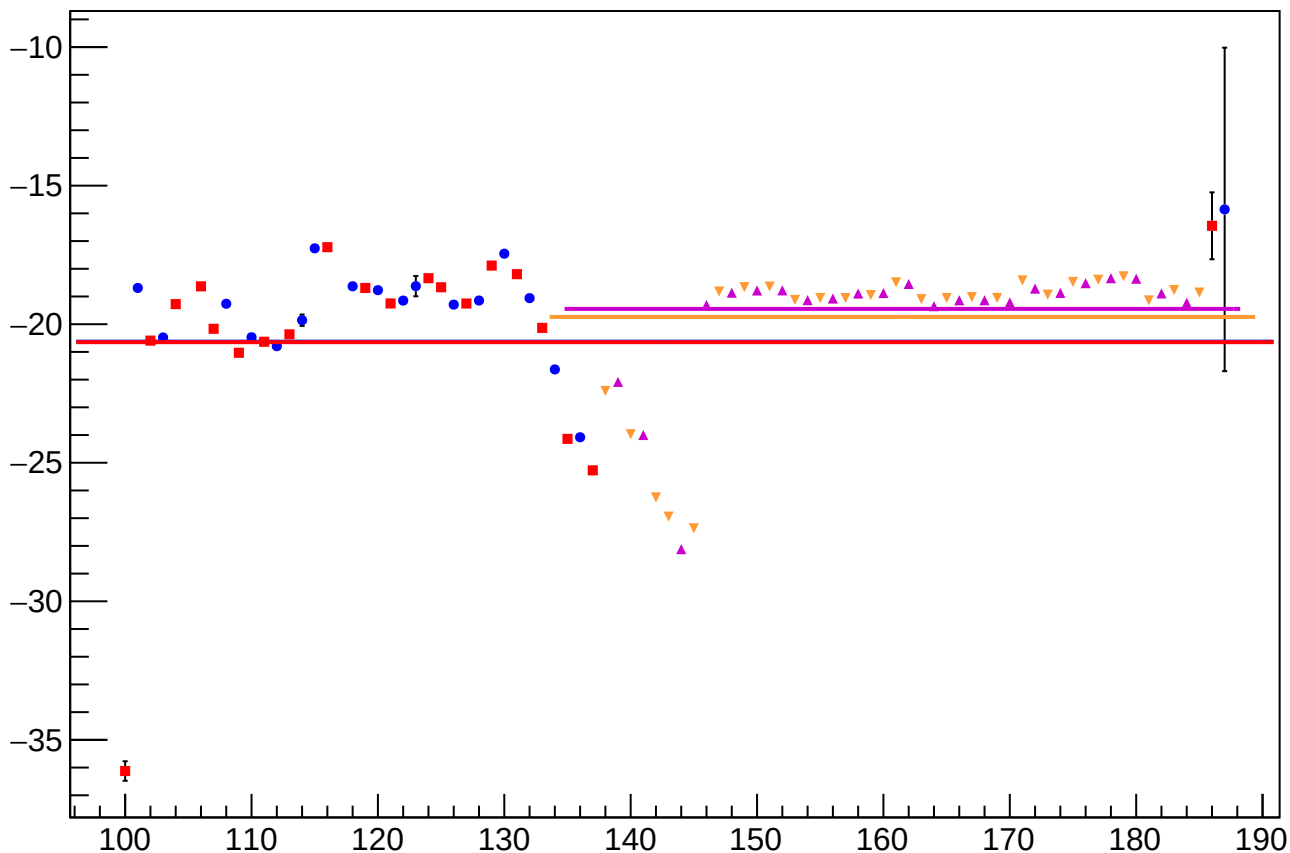
Right: 4.559 $\pm$ 0.259 χ^2 /NDF: 826.9/37

In: 8.965 $\pm$ 0.154 χ^2 /NDF:1676.0/40

Out: 8.719 $\pm$ 0.153 χ^2 /NDF:2097.2/44

All: 8.841 $\pm$ 0.109 χ^2 /NDF: 3774.5/85

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 $\pm$ 0.019 χ^2 /NDF: 12491.2/17

Left Out: -19.738 $\pm$ 0.008 χ^2 /NDF: 88495.2/24

Right Out: -20.649 $\pm$ 0.019 χ^2 /NDF: 13897.8/19

Left In: -19.448 $\pm$ 0.008 χ^2 /NDF: 54039.2/22

Left: -19.593 $\pm$ 0.006 χ^2 /NDF: 143208.7/47

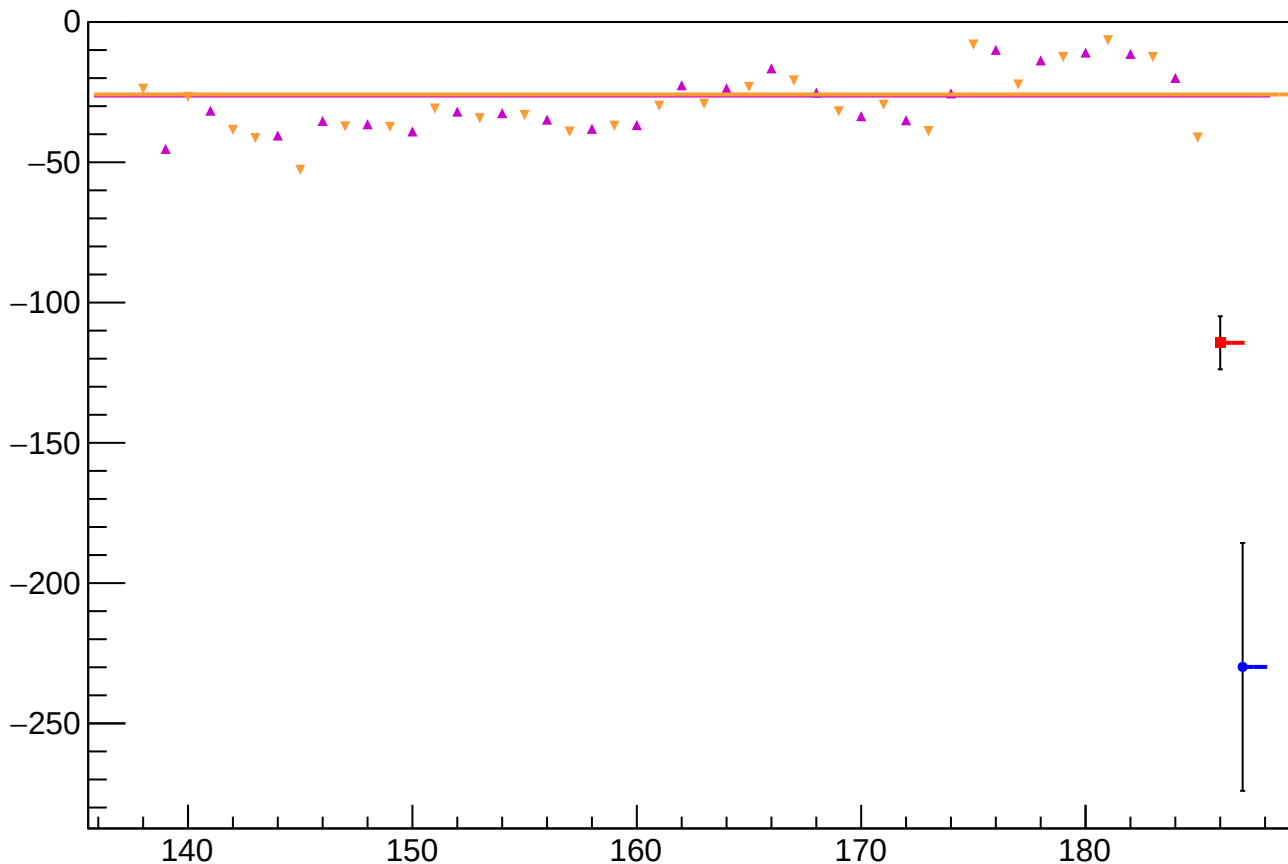
Right: -20.639 $\pm$ 0.014 χ^2 /NDF: 26389.4/37

In: -19.619 $\pm$ 0.007 χ^2 /NDF: 69750.0/40

Out: -19.867 $\pm$ 0.007 χ^2 /NDF: 104276.4/44

All: -19.743 $\pm$ 0.005 χ^2 /NDF: 174604.2/85

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -229.874+/-44.169 χ^2/NDF : 0.0/0

Left Out: -25.814+/-0.192 χ^2/NDF : 4094.6/24

Right Out: -114.340+/-9.454 χ^2/NDF : 0.0/0

Left In: -26.200+/-0.194 χ^2/NDF : 3344.6/22

Left: -26.005+/-0.137 χ^2/NDF : 7441.2/47

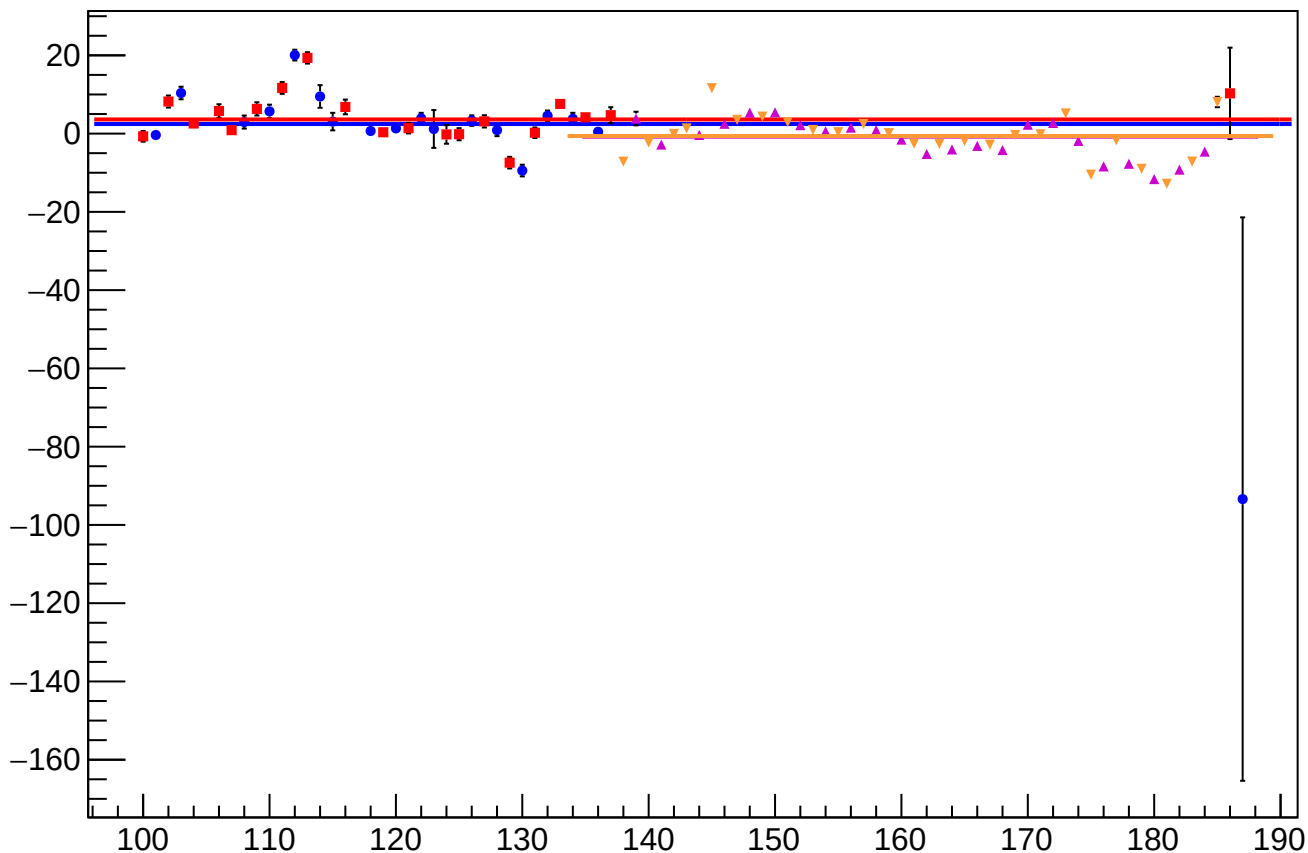
Right: -119.401+/-9.244 χ^2/NDF : 6.5/1

In: -26.204+/-0.194 χ^2/NDF : 3365.9/23

Out: -25.851+/-0.192 χ^2/NDF : 4182.2/25

All: -26.026+/-0.137 χ^2/NDF : 7549.8/49

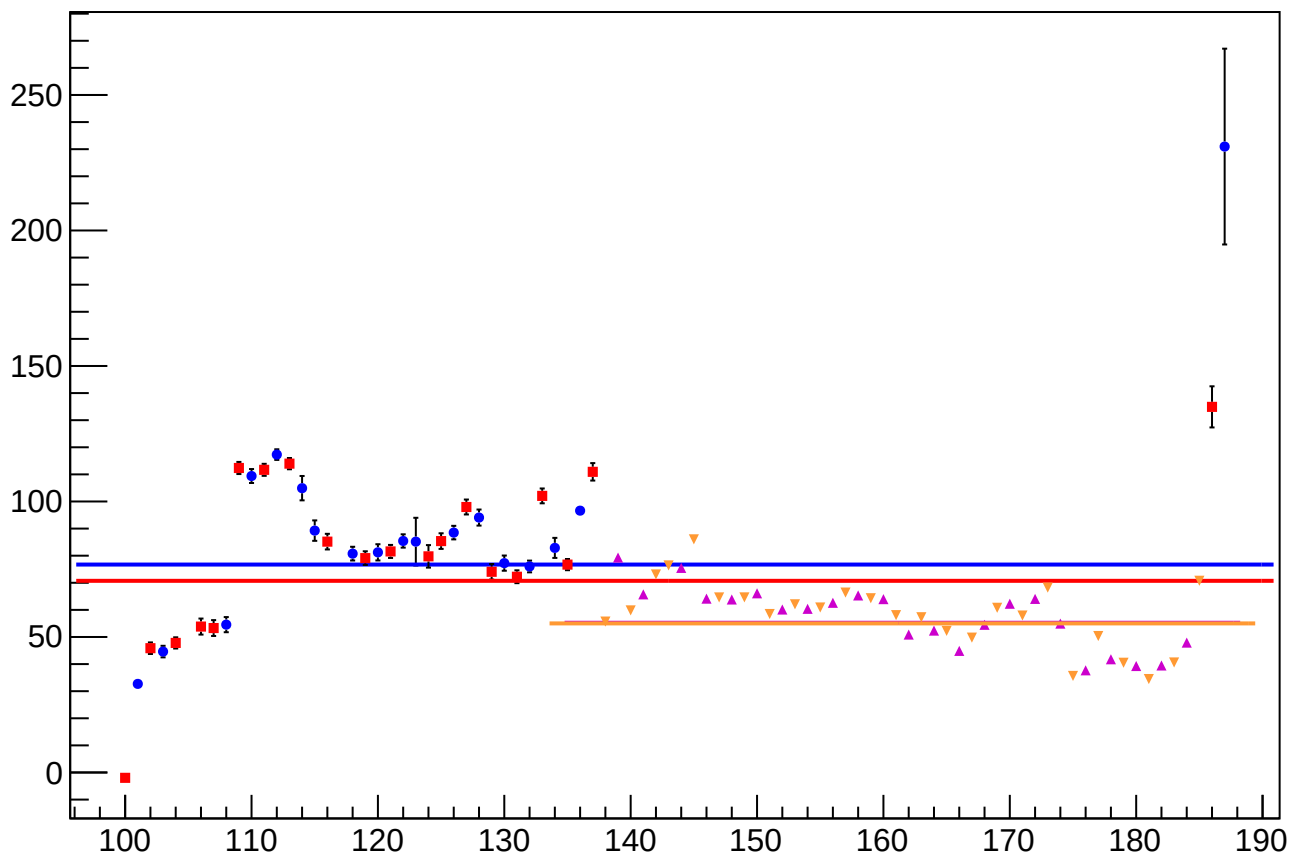
reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.446 $\pm$ 0.311 χ^2 /NDF: 295.2/17
 Left Out: -0.625 $\pm$ 0.147 χ^2 /NDF:1303.5/24
 Right Out: 3.616 $\pm$ 0.318 χ^2 /NDF: 279.7/19
 Left In: -0.773 $\pm$ 0.150 χ^2 /NDF:1111.4/22

Left: -0.697 $\pm$ 0.105 χ^2 /NDF: 2415.4/47
 Right: 3.018 $\pm$ 0.222 χ^2 /NDF: 581.8/37
 In: -0.165 $\pm$ 0.135 χ^2 /NDF:1493.3/40
 Out: 0.119 $\pm$ 0.133 χ^2 /NDF:1729.8/44
 All: -0.021 $\pm$ 0.095 χ^2 /NDF: 3225.4/85

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.726 $\pm$ 0.574 χ^2 /NDF: 2283.3/17

Left Out: 55.008 $\pm$ 0.192 χ^2 /NDF: 4502.1/24

Right Out: 70.723 $\pm$ 0.548 χ^2 /NDF: 4463.1/19

Left In: 55.252 $\pm$ 0.193 χ^2 /NDF: 3786.2/22

Left: 55.129 $\pm$ 0.136 χ^2 /NDF: 8289.0/47

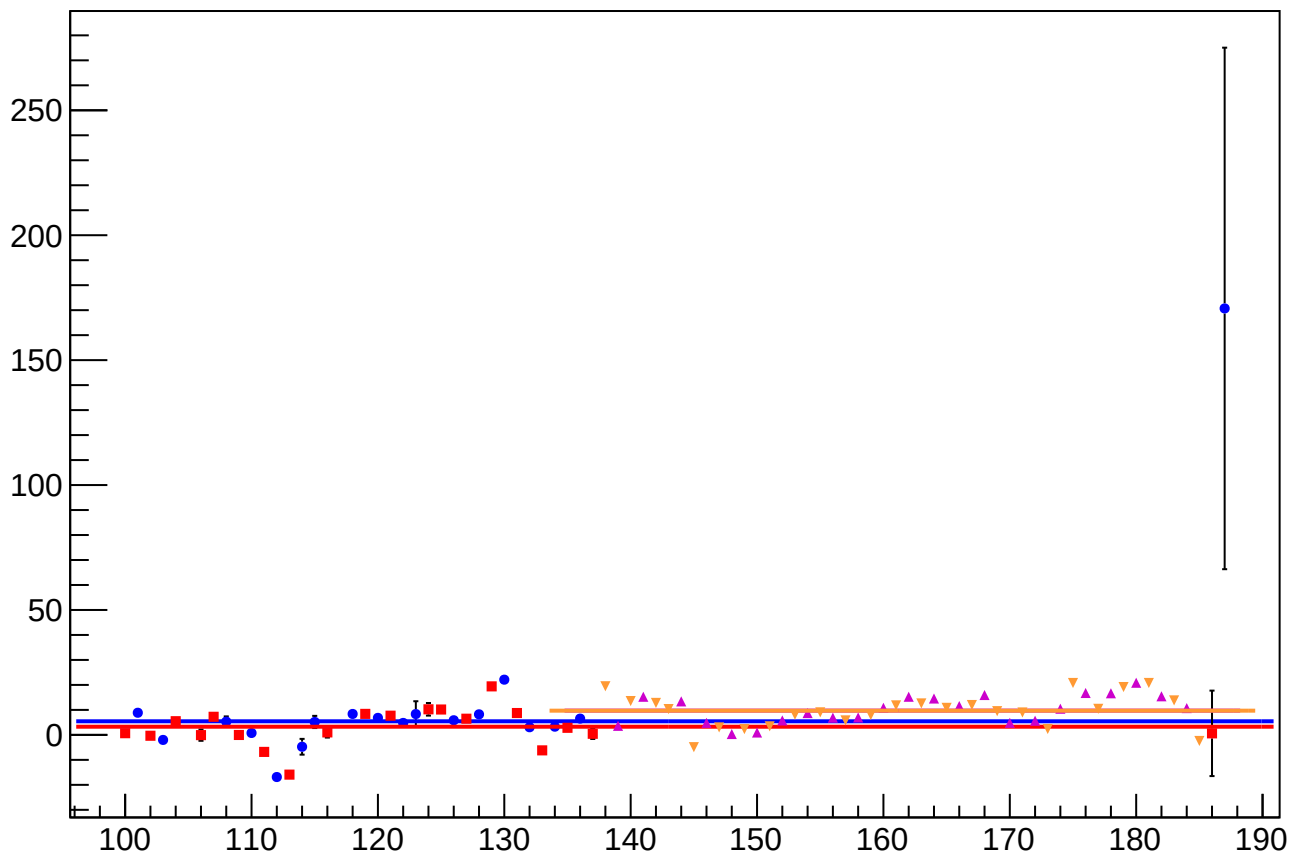
Right: 73.589 $\pm$ 0.396 χ^2 /NDF: 6803.6/37

In: 57.434 $\pm$ 0.183 χ^2 /NDF: 7328.8/40

Out: 56.724 $\pm$ 0.181 χ^2 /NDF: 9696.8/44

All: 57.076 $\pm$ 0.129 χ^2 /NDF: 17033.3/85

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.441 $\pm$ 0.357 χ^2 /NDF: 388.4/17

Left Out: 9.691 $\pm$ 0.168 χ^2 /NDF:1440.3/24

Right Out: 3.274 $\pm$ 0.365 χ^2 /NDF: 425.8/19

Left In: 9.708 $\pm$ 0.171 χ^2 /NDF:1198.0/22

Left: 9.699 $\pm$ 0.120 χ^2 /NDF: 2638.3/47

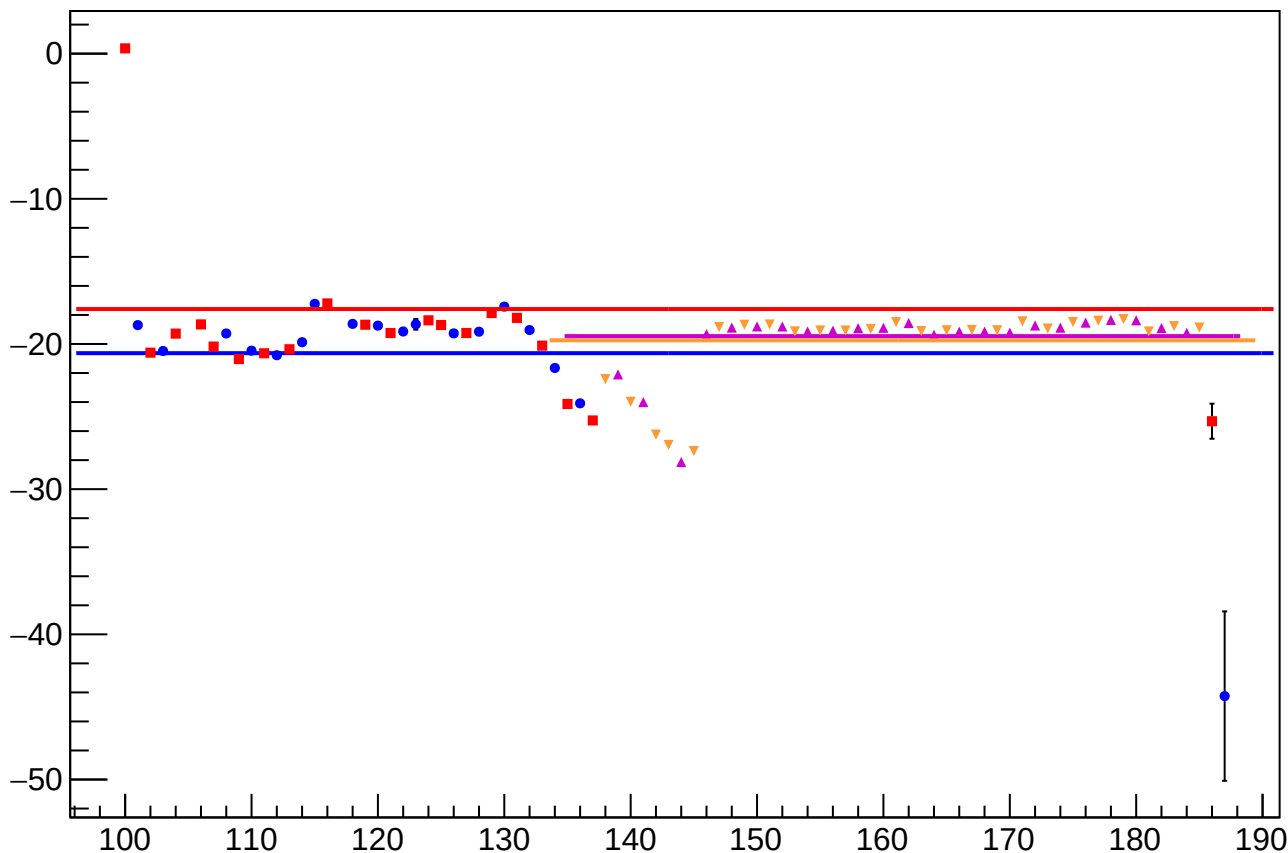
Right: 4.381 $\pm$ 0.255 χ^2 /NDF: 832.2/37

In: 8.911 $\pm$ 0.155 χ^2 /NDF:1702.3/40

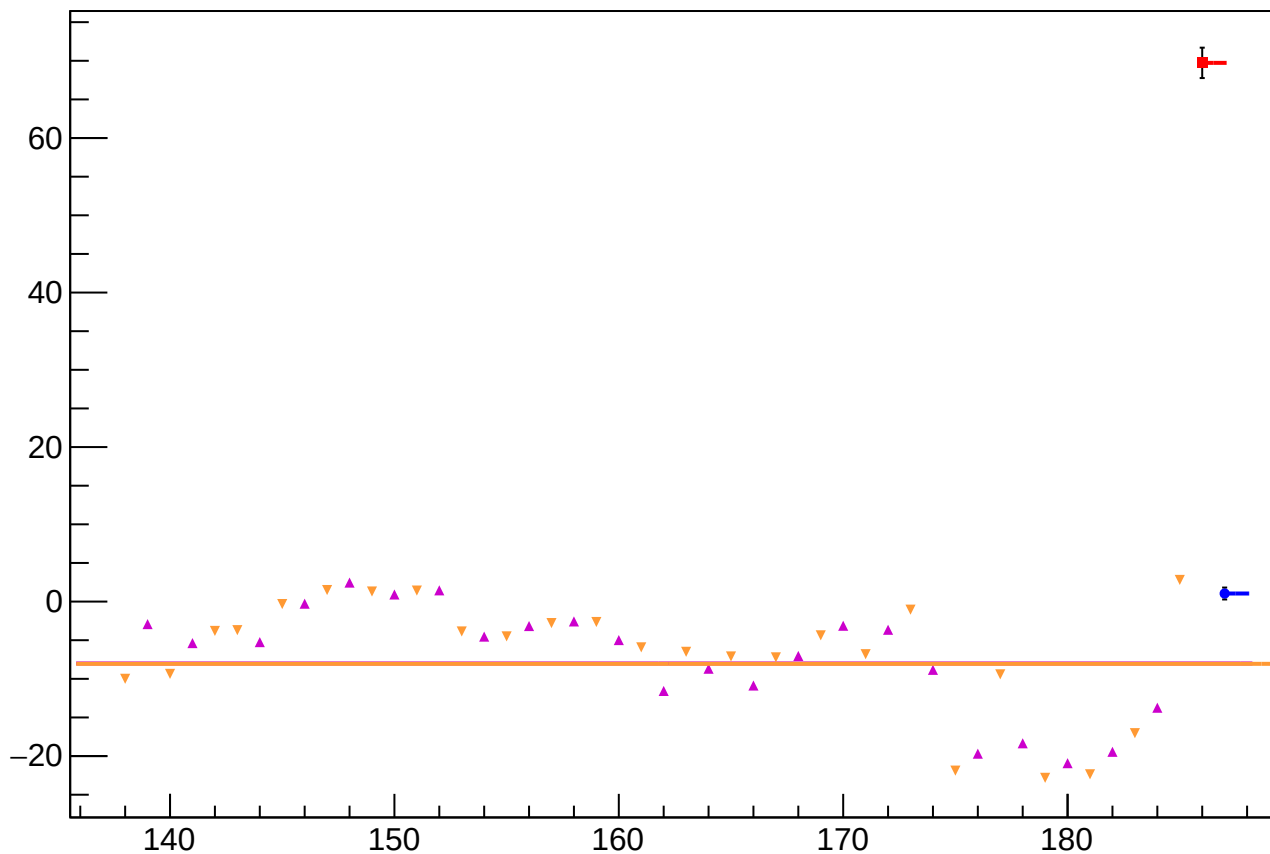
Out: 8.567 $\pm$ 0.153 χ^2 /NDF:2120.7/44

All: 8.737 $\pm$ 0.109 χ^2 /NDF: 3825.5/85

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.044+/-0.771 χ^2/NDF : 0.0/0

Left Out: -8.058+/-0.070 χ^2/NDF :12532.2/24

Right Out: 69.732+/-1.967 χ^2/NDF : 0.0/0

Left In: -8.010+/-0.071 χ^2/NDF :10631.2/22

Left: -8.034+/-0.050 χ^2/NDF : 23163.6/47

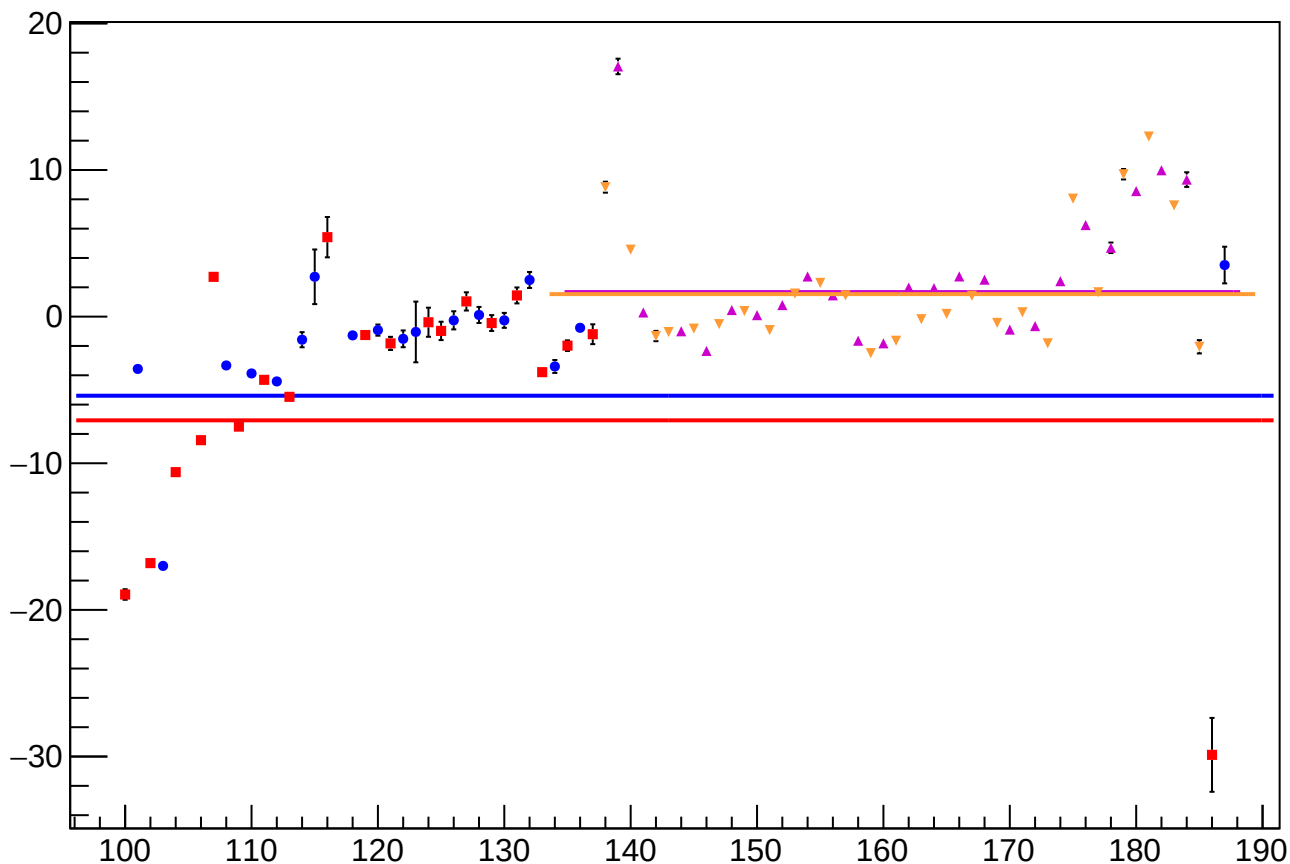
Right: 10.193+/-0.718 χ^2/NDF : 1057.1/1

In: -7.933+/-0.071 χ^2/NDF :10767.9/23

Out: -7.959+/-0.070 χ^2/NDF :14094.4/25

All: -7.946+/-0.050 χ^2/NDF : 24862.3/49

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.394 $\pm$ 0.055 χ^2 /NDF: 9312.1/17

Left Out: 1.535 $\pm$ 0.055 χ^2 /NDF:4816.7/24

Right Out: -7.073 $\pm$ 0.059 χ^2 /NDF: 12411.5/19

Left In: 1.673 $\pm$ 0.056 χ^2 /NDF:4106.3/22

Left: 1.602 $\pm$ 0.039 χ^2 /NDF: 8926.1/47

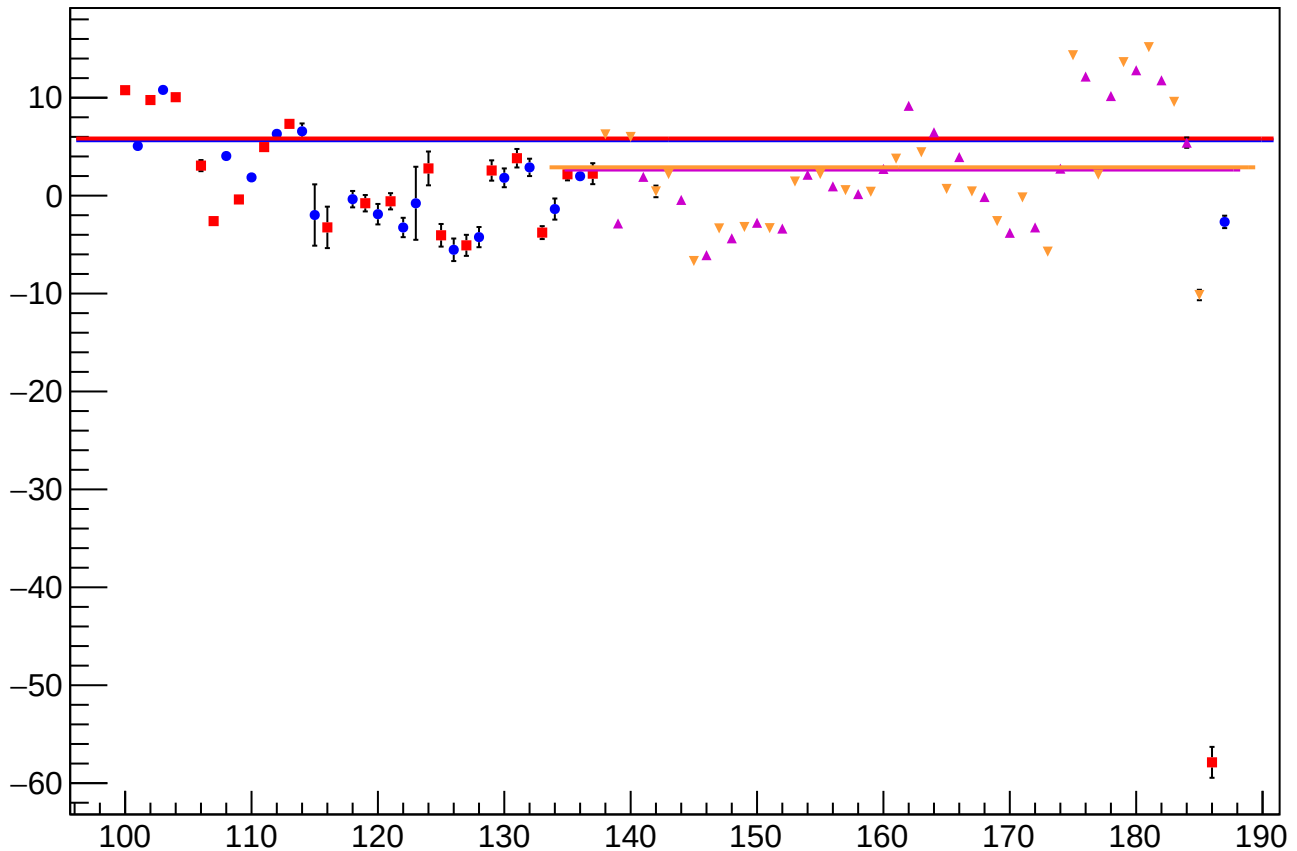
Right: -6.169 $\pm$ 0.040 χ^2 /NDF: 22159.0/37

In: -1.970 $\pm$ 0.039 χ^2 /NDF:21509.7/40

Out: -2.426 $\pm$ 0.040 χ^2 /NDF:28708.7/44

All: -2.194 $\pm$ 0.028 χ^2 /NDF: 50284.5/85

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.657 ± 0.089 $\chi^2/\text{NDF}: 1628.9/17$

Left Out: 2.891 ± 0.070 $\chi^2/\text{NDF}: 8889.4/24$

Right Out: 5.833 ± 0.093 $\chi^2/\text{NDF}: 4303.4/19$

Left In: 2.663 ± 0.071 $\chi^2/\text{NDF}: 7308.8/22$

Left: 2.778 ± 0.050 $\chi^2/\text{NDF}: 16203.4/47$

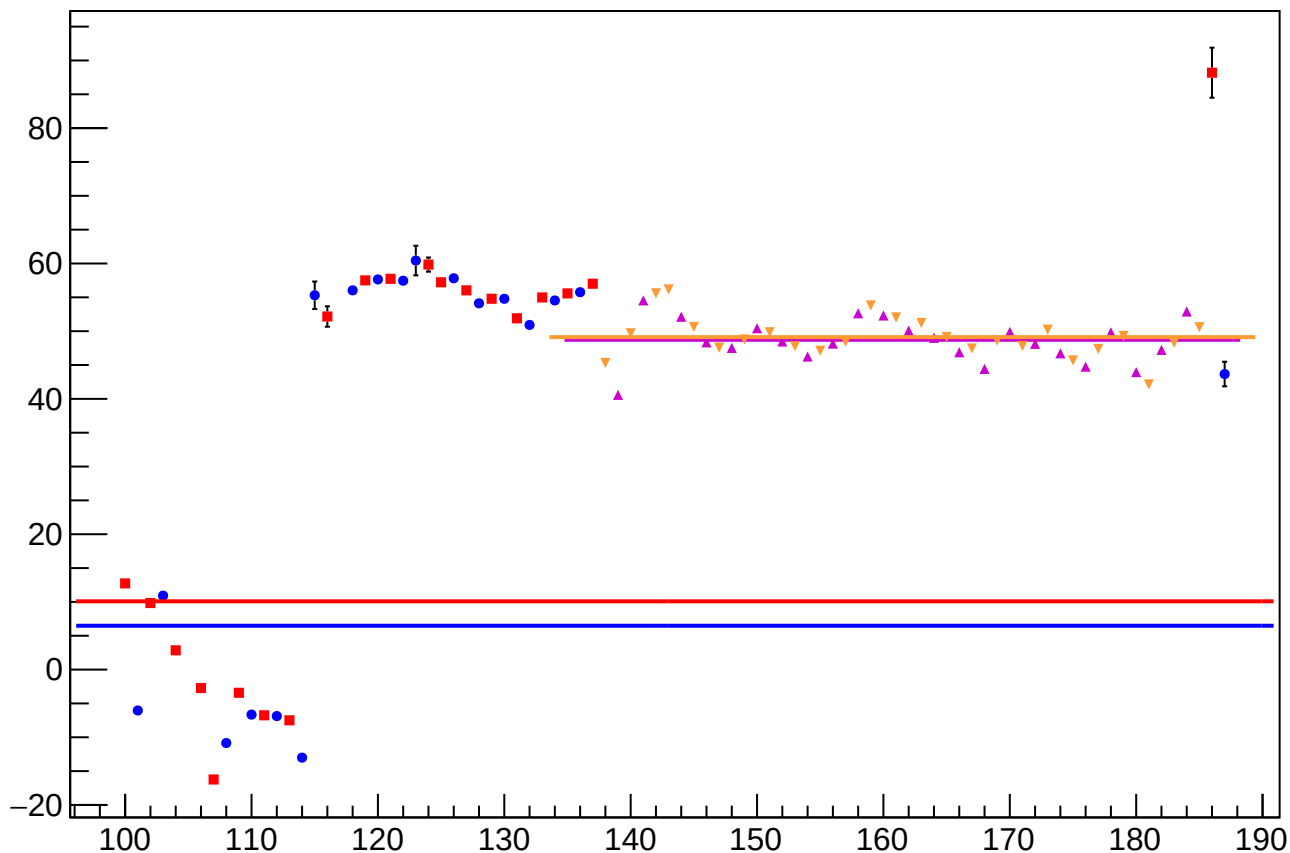
Right: 5.741 ± 0.064 $\chi^2/\text{NDF}: 5934.2/37$

In: 3.833 ± 0.055 $\chi^2/\text{NDF}: 9631.9/40$

Out: 3.961 ± 0.056 $\chi^2/\text{NDF}: 13827.8/44$

All: 3.896 ± 0.039 $\chi^2/\text{NDF}: 23462.4/85$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.479+/-0.065 χ^2/NDF : 123904.5/17

Left Out: 49.121+/-0.062 χ^2/NDF :2165.4/24

Right Out: 10.088+/-0.070 χ^2/NDF : 122262.4/19

Left In: 48.731+/-0.064 χ^2/NDF :2117.7/22

Left: 48.931+/-0.044 χ^2/NDF : 4302.5/47

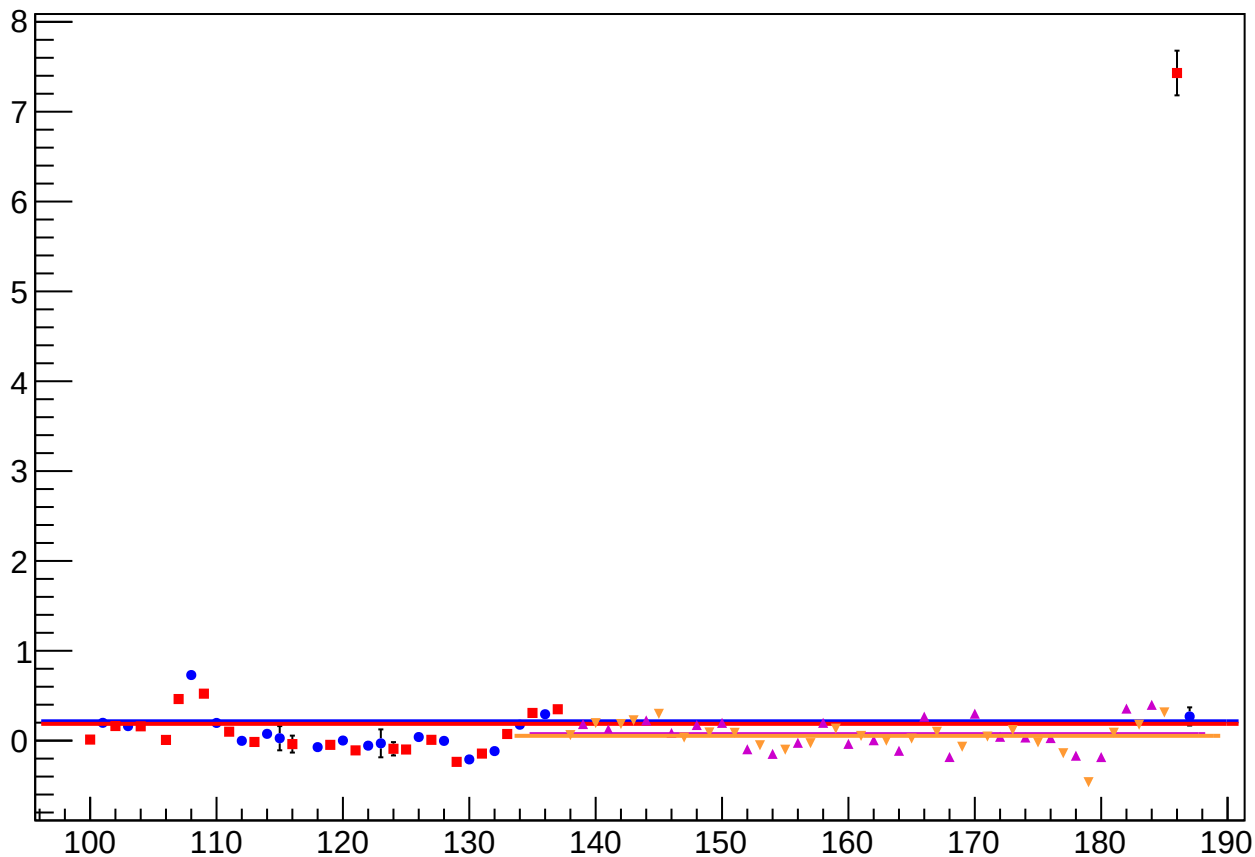
Right: 8.148+/-0.047 χ^2/NDF : 247607.2/37

In: 27.968+/-0.045 χ^2/NDF :343195.7/40

Out: 31.924+/-0.046 χ^2/NDF :299723.6/44

All: 29.904+/-0.032 χ^2/NDF : 646647.9/85

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3930.4/17

Left Out: 0.053 $\pm$ 0.003 χ^2 /NDF:2369.3/24

Right Out: 0.187 $\pm$ 0.003 χ^2 /NDF: 3569.2/19

Left In: 0.072 $\pm$ 0.003 χ^2 /NDF:3272.0/22

Left: 0.063 $\pm$ 0.002 χ^2 /NDF: 5662.5/47

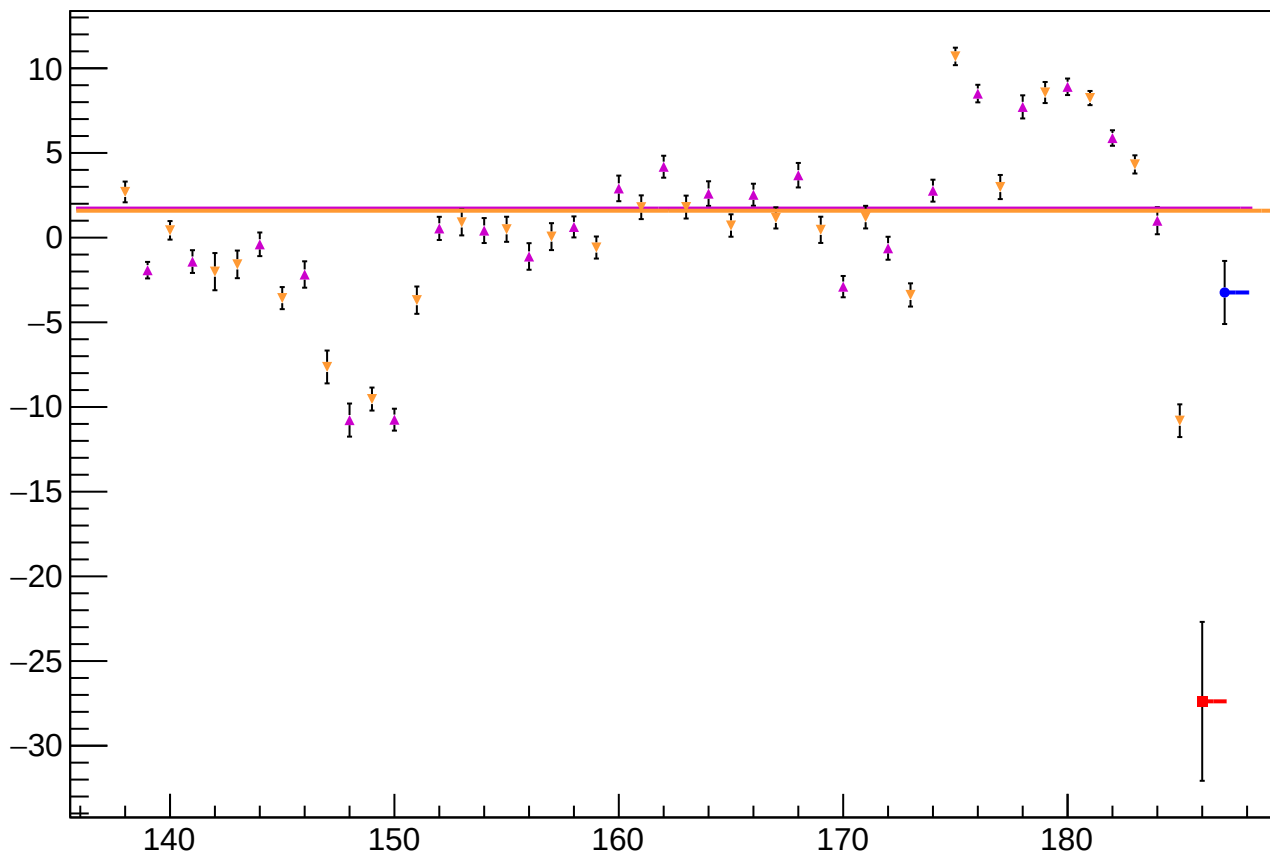
Right: 0.201 $\pm$ 0.002 χ^2 /NDF: 7553.2/37

In: 0.145 $\pm$ 0.002 χ^2 /NDF:8503.3/40

Out: 0.124 $\pm$ 0.002 χ^2 /NDF:7107.1/44

All: 0.134 $\pm$ 0.001 χ^2 /NDF: 15672.5/85

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.238 ± 1.863 χ^2/NDF : 0.0/0

Left Out: 1.590 ± 0.133 χ^2/NDF : 1457.4/24

Right Out: -27.380 ± 4.692 χ^2/NDF : 0.0/0

Left In: 1.715 ± 0.134 χ^2/NDF : 1313.5/22

Left: 1.652 ± 0.094 χ^2/NDF : 2771.4/47

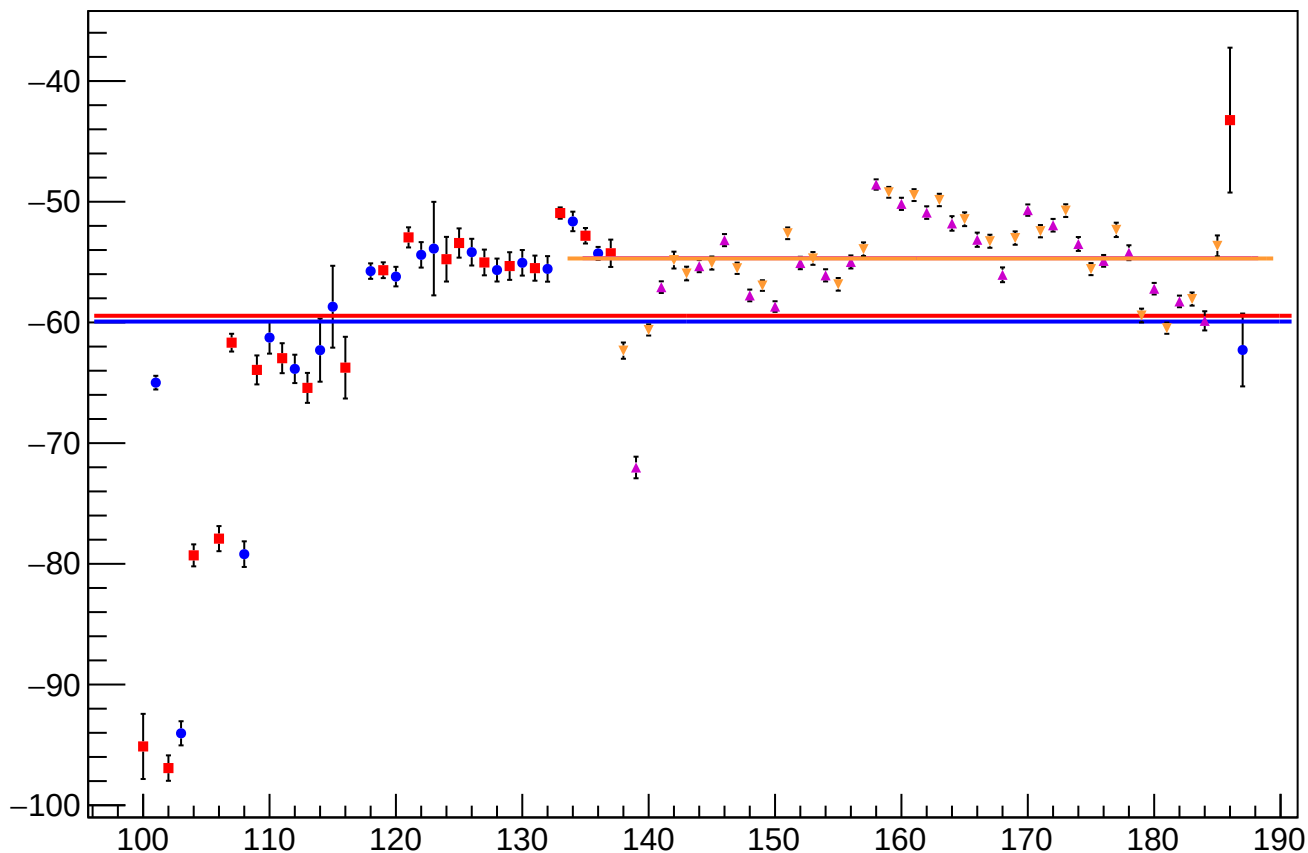
Right: -6.526 ± 1.731 χ^2/NDF : 22.9/1

In: 1.690 ± 0.134 χ^2/NDF : 1320.5/23

Out: 1.566 ± 0.133 χ^2/NDF : 1495.5/25

All: 1.628 ± 0.094 χ^2/NDF : 2816.5/49

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.927 $\pm$ 0.222 χ^2 /NDF: 1980.1/17

Left Out: -54.701 $\pm$ 0.106 χ^2 /NDF:1124.5/24

Right Out: -59.447 $\pm$ 0.212 χ^2 /NDF: 2920.0/19

Left In: -54.677 $\pm$ 0.109 χ^2 /NDF:1140.6/22

Left: -54.689 $\pm$ 0.076 χ^2 /NDF: 2265.1/47

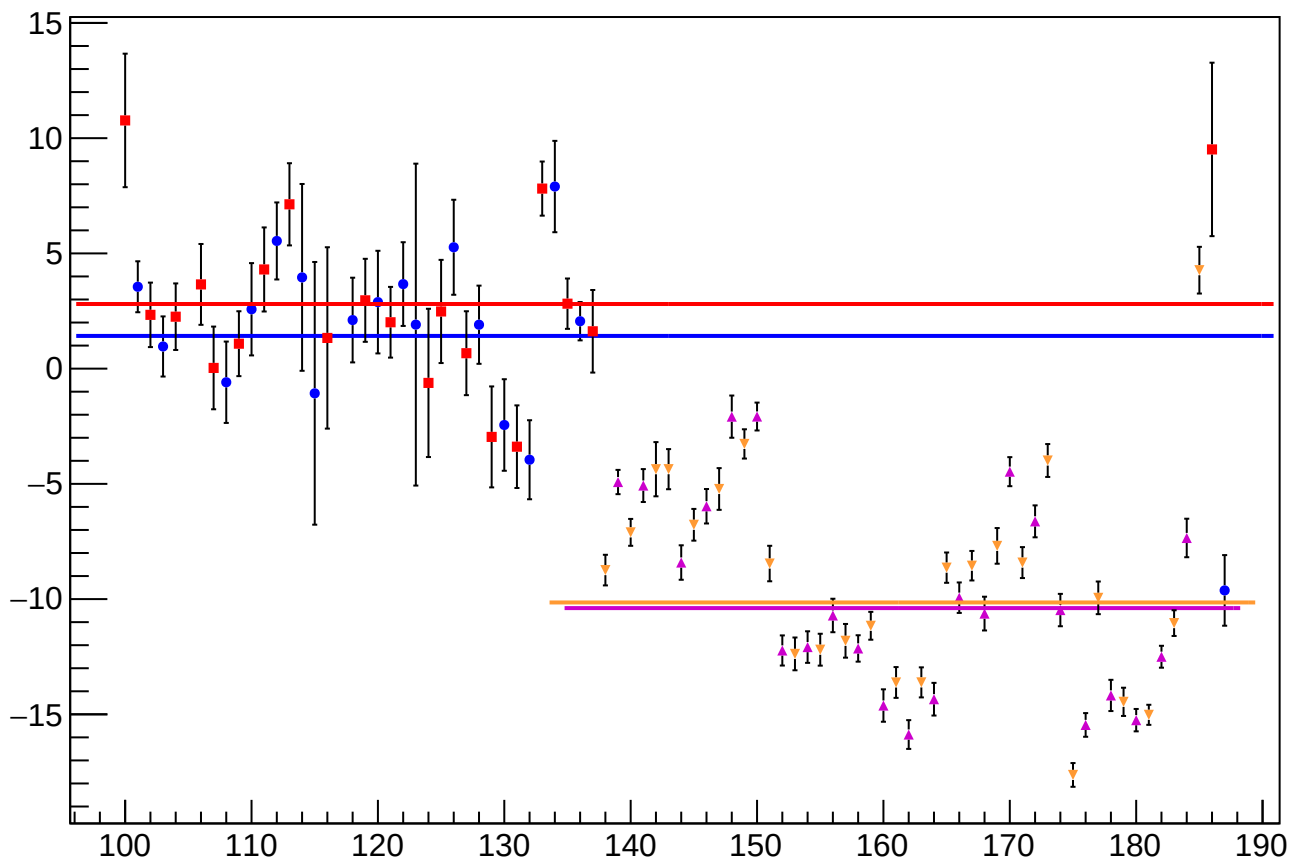
Right: -59.676 $\pm$ 0.153 χ^2 /NDF: 4902.5/37

In: -55.701 $\pm$ 0.098 χ^2 /NDF:3569.4/40

Out: -55.651 $\pm$ 0.095 χ^2 /NDF:4445.7/44

All: -55.675 $\pm$ 0.068 χ^2 /NDF: 8015.3/85

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.420 ± 0.391 $\chi^2/\text{NDF}: 94.7/17$

Left Out: -10.146 ± 0.133 $\chi^2/\text{NDF}: 1051.2/24$

Right Out: 2.804 ± 0.386 $\chi^2/\text{NDF}: 62.1/19$

Left In: -10.391 ± 0.134 $\chi^2/\text{NDF}: 1024.8/22$

Left: -10.268 ± 0.094 $\chi^2/\text{NDF}: 2077.6/47$

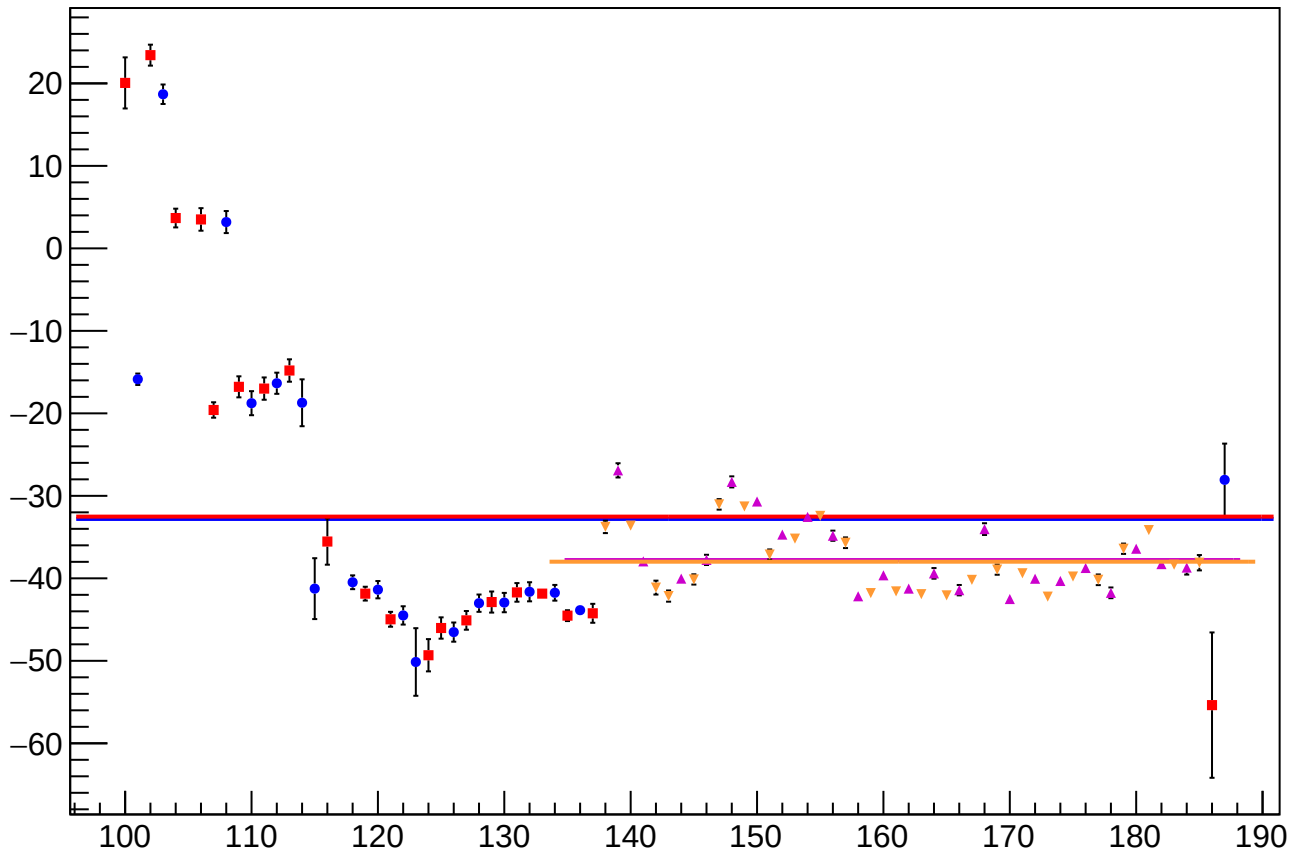
Right: 2.121 ± 0.274 $\chi^2/\text{NDF}: 163.1/37$

In: -9.152 ± 0.127 $\chi^2/\text{NDF}: 1937.2/40$

Out: -8.768 ± 0.126 $\chi^2/\text{NDF}: 2121.2/44$

All: -8.959 ± 0.089 $\chi^2/\text{NDF}: 4063.1/85$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.801 ± 0.254 χ^2/NDF : 4667.7/17

Left Out: -37.983 ± 0.119 χ^2/NDF : 936.9/24

Right Out: -32.518 ± 0.244 χ^2/NDF : 6044.6/19

Left In: -37.784 ± 0.122 χ^2/NDF : 1079.7/22

Left: -37.886 ± 0.085 χ^2/NDF : 2018.0/47

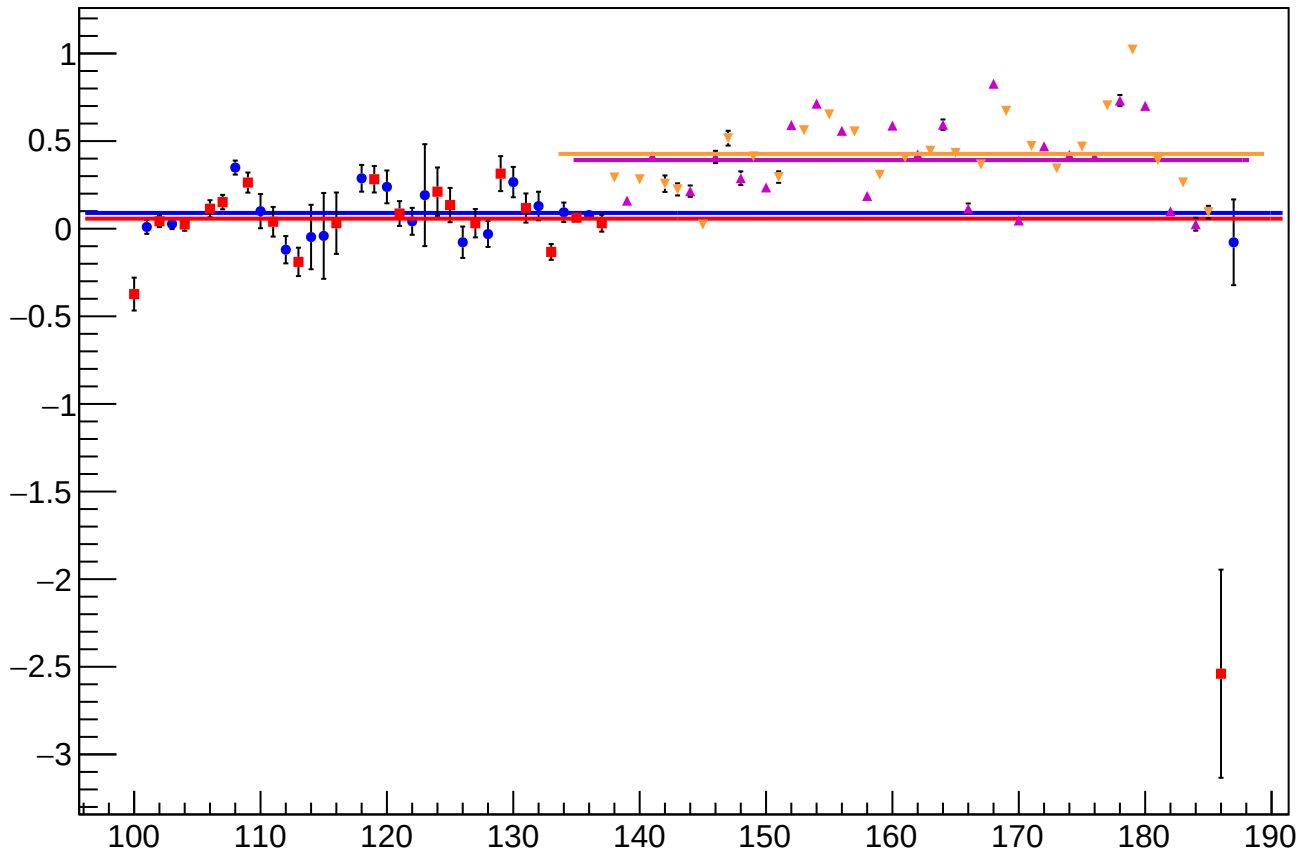
Right: -32.654 ± 0.176 χ^2/NDF : 10713.0/37

In: -36.848 ± 0.110 χ^2/NDF : 6061.1/40

Out: -36.932 ± 0.107 χ^2/NDF : 7387.1/44

All: -36.891 ± 0.077 χ^2/NDF : 13448.5/85

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 79.7/17$

Left Out: 0.427 ± 0.005 $\chi^2/\text{NDF}: 1293.3/24$

Right Out: 0.057 ± 0.012 $\chi^2/\text{NDF}: 106.4/19$

Left In: 0.392 ± 0.005 $\chi^2/\text{NDF}: 1835.6/22$

Left: 0.409 ± 0.004 $\chi^2/\text{NDF}: 3150.1/47$

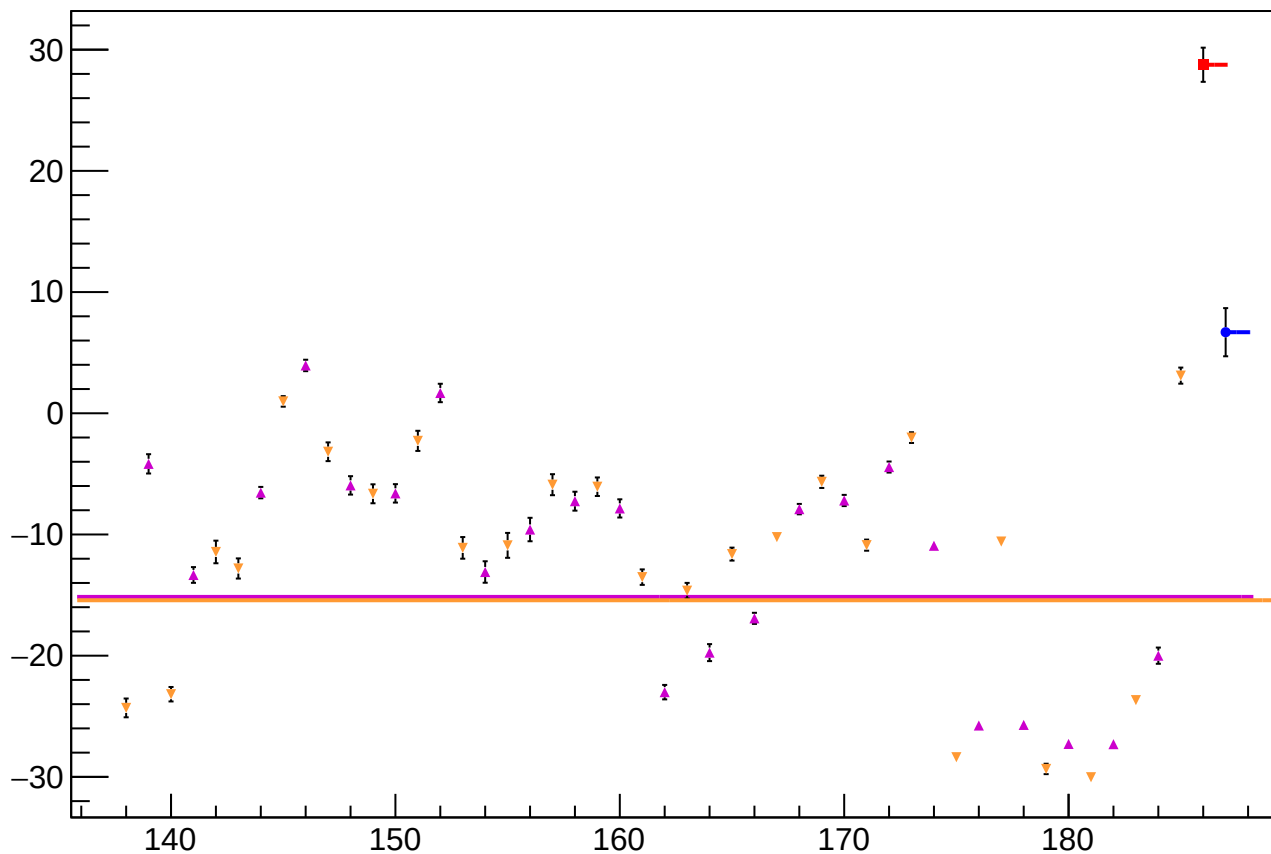
Right: 0.073 ± 0.009 $\chi^2/\text{NDF}: 189.6/37$

In: 0.346 ± 0.005 $\chi^2/\text{NDF}: 2394.4/40$

Out: 0.366 ± 0.005 $\chi^2/\text{NDF}: 2174.3/44$

All: 0.356 ± 0.003 $\chi^2/\text{NDF}: 4577.0/85$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.689+/-1.987 χ^2/NDF : 0.0/0

Left Out: -15.427+/-0.105 χ^2/NDF :10499.6/24

Right Out: 28.756+/-1.409 χ^2/NDF : 0.0/0

Left In: -15.151+/-0.106 χ^2/NDF :8744.3/22

Left: -15.290+/-0.075 χ^2/NDF : 19247.4/47

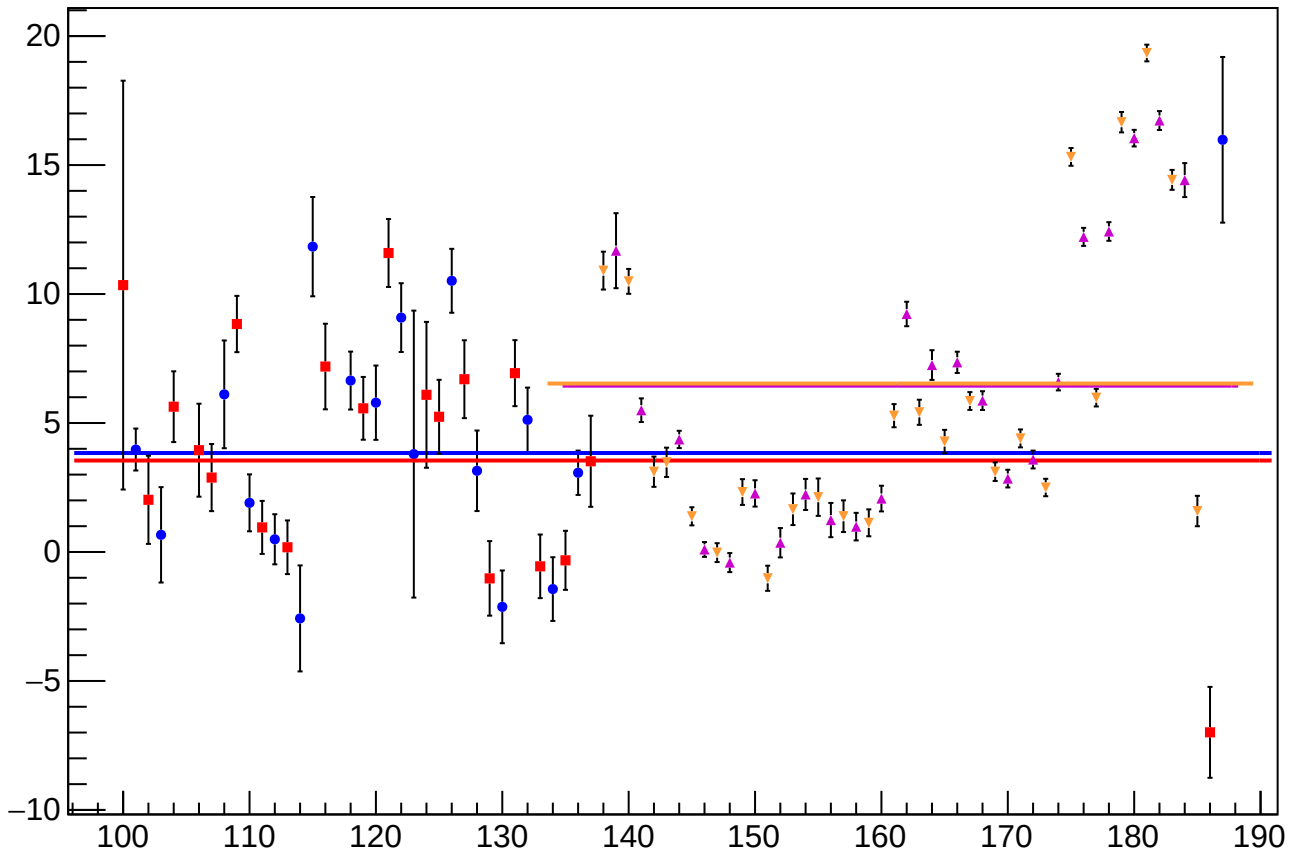
Right: 21.369+/-1.150 χ^2/NDF : 82.1/1

In: -15.089+/-0.106 χ^2/NDF :8864.8/23

Out: -15.182+/-0.105 χ^2/NDF :11476.9/25

All: -15.136+/-0.075 χ^2/NDF : 20342.1/49

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.837 ± 0.307 χ^2/NDF : 151.2/17

Left Out: 6.531 ± 0.086 χ^2/NDF : 4969.5/24

Right Out: 3.546 ± 0.311 χ^2/NDF : 171.3/19

Left In: 6.448 ± 0.086 χ^2/NDF : 3955.6/22

Left: 6.490 ± 0.061 χ^2/NDF : 8925.6/47

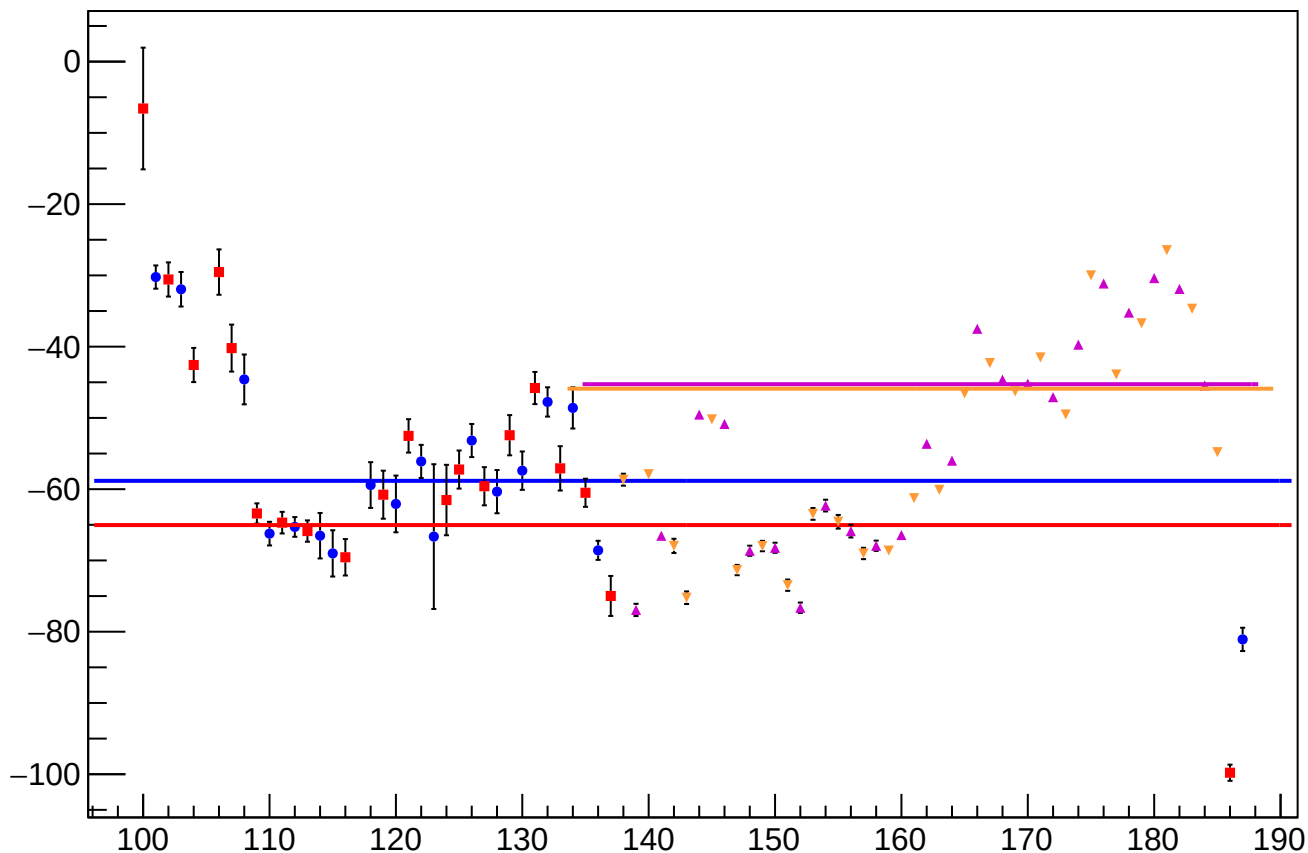
Right: 3.693 ± 0.219 χ^2/NDF : 322.9/37

In: 6.259 ± 0.083 χ^2/NDF : 4173.9/40

Out: 6.321 ± 0.082 χ^2/NDF : 5226.3/44

All: 6.290 ± 0.058 χ^2/NDF : 9400.5/85

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.829 ± 0.514 χ^2/NDF : 793.5/17

Left Out: -45.897 ± 0.106 χ^2/NDF : 17133.8/24

Right Out: -65.038 ± 0.484 χ^2/NDF : 1628.7/19

Left In: -45.268 ± 0.107 χ^2/NDF : 15775.7/22

Left: -45.584 ± 0.075 χ^2/NDF : 32927.0/47

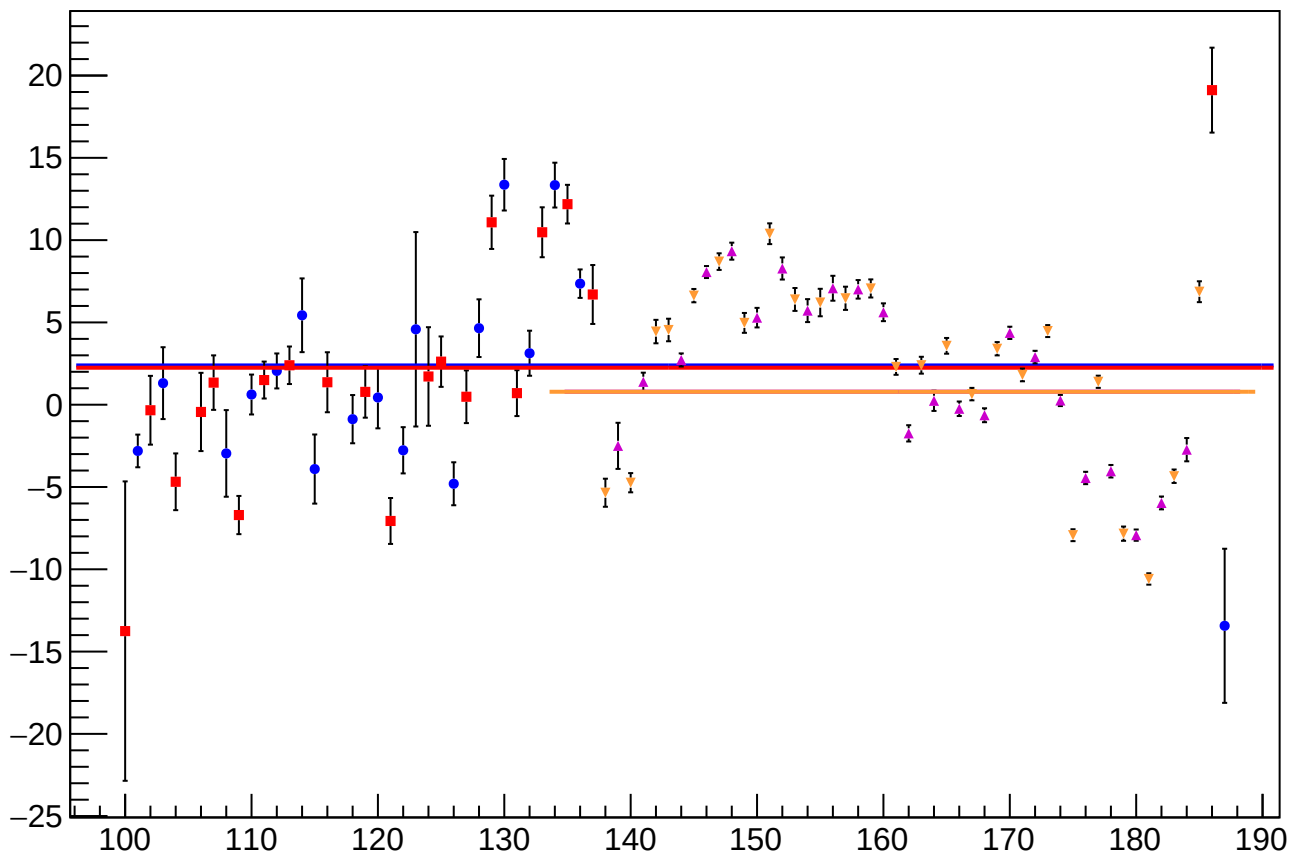
Right: -62.120 ± 0.353 χ^2/NDF : 2499.4/37

In: -45.828 ± 0.105 χ^2/NDF : 17235.7/40

Out: -46.778 ± 0.104 χ^2/NDF : 20252.6/44

All: -46.306 ± 0.074 χ^2/NDF : 37529.8/85

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.386 $\pm$ 0.345 χ^2 /NDF: 255.1/17

Left Out: 0.787 $\pm$ 0.096 χ^2 /NDF: 3746.7/24

Right Out: 2.247 $\pm$ 0.352 χ^2 /NDF: 310.2/19

Left In: 0.791 $\pm$ 0.096 χ^2 /NDF: 2697.7/22

Left: 0.789 $\pm$ 0.068 χ^2 /NDF: 6444.4/47

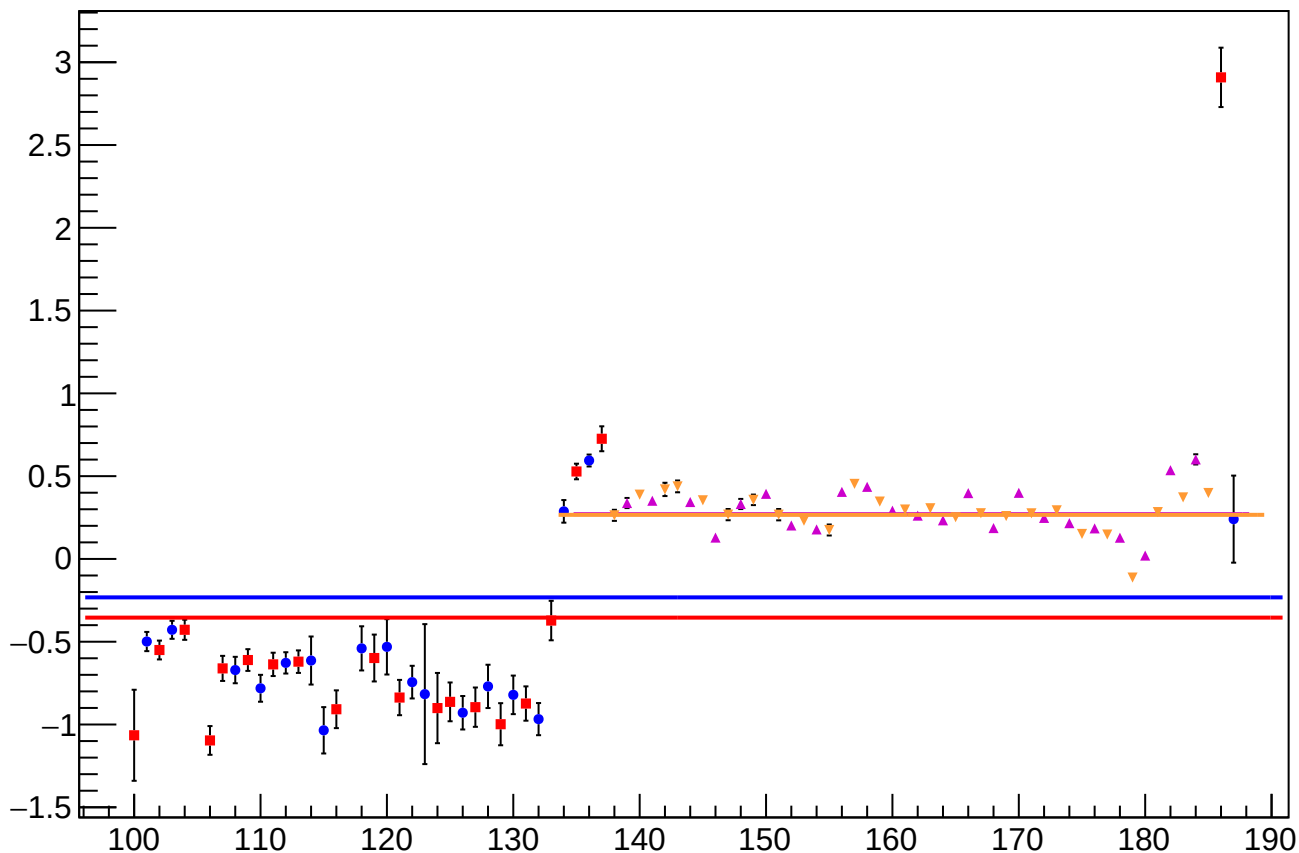
Right: 2.318 $\pm$ 0.246 χ^2 /NDF: 565.3/37

In: 0.906 $\pm$ 0.093 χ^2 /NDF: 2972.6/40

Out: 0.887 $\pm$ 0.092 χ^2 /NDF: 4073.0/44

All: 0.897 $\pm$ 0.065 χ^2 /NDF: 7045.6/85

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.232 $\pm$ 0.019 χ^2/NDF : 961.7/17

Left Out: 0.266 $\pm$ 0.004 χ^2/NDF : 698.1/24

Right Out: -0.354 $\pm$ 0.019 χ^2/NDF : 1187.9/19

Left In: 0.270 $\pm$ 0.004 χ^2/NDF : 973.5/22

Left: 0.268 $\pm$ 0.003 χ^2/NDF : 1672.0/47

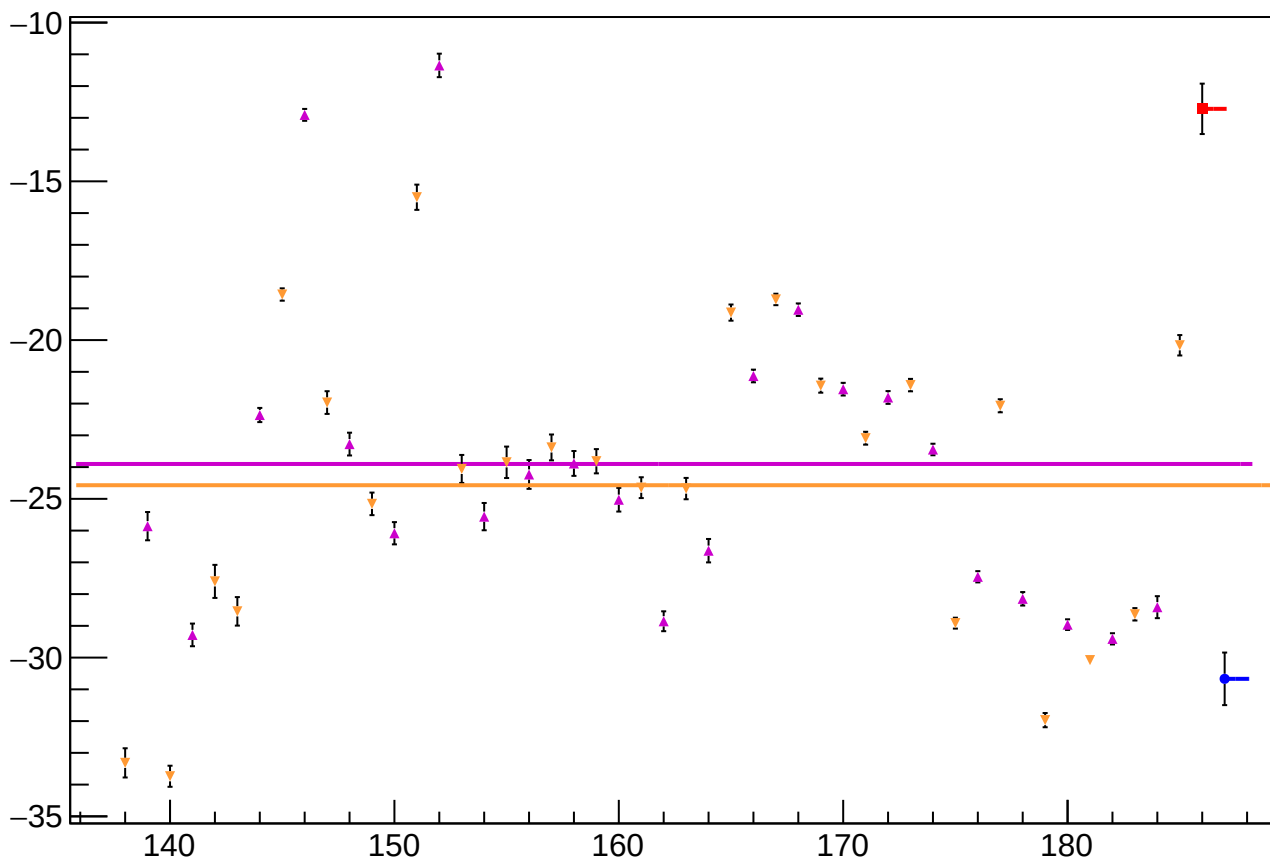
Right: -0.293 $\pm$ 0.013 χ^2/NDF : 2170.6/37

In: 0.244 $\pm$ 0.004 χ^2/NDF : 2611.0/40

Out: 0.235 $\pm$ 0.004 χ^2/NDF : 2915.1/44

All: 0.239 $\pm$ 0.003 χ^2/NDF : 5528.6/85

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -30.669 ± 0.828 χ^2/NDF : 0.0/0

Left Out: -24.571 ± 0.051 χ^2/NDF : 8610.0/24

Right Out: -12.717 ± 0.794 χ^2/NDF : 0.0/0

Left In: -23.902 ± 0.051 χ^2/NDF : 9158.9/22

Left: -24.236 ± 0.036 χ^2/NDF : 17855.2/47

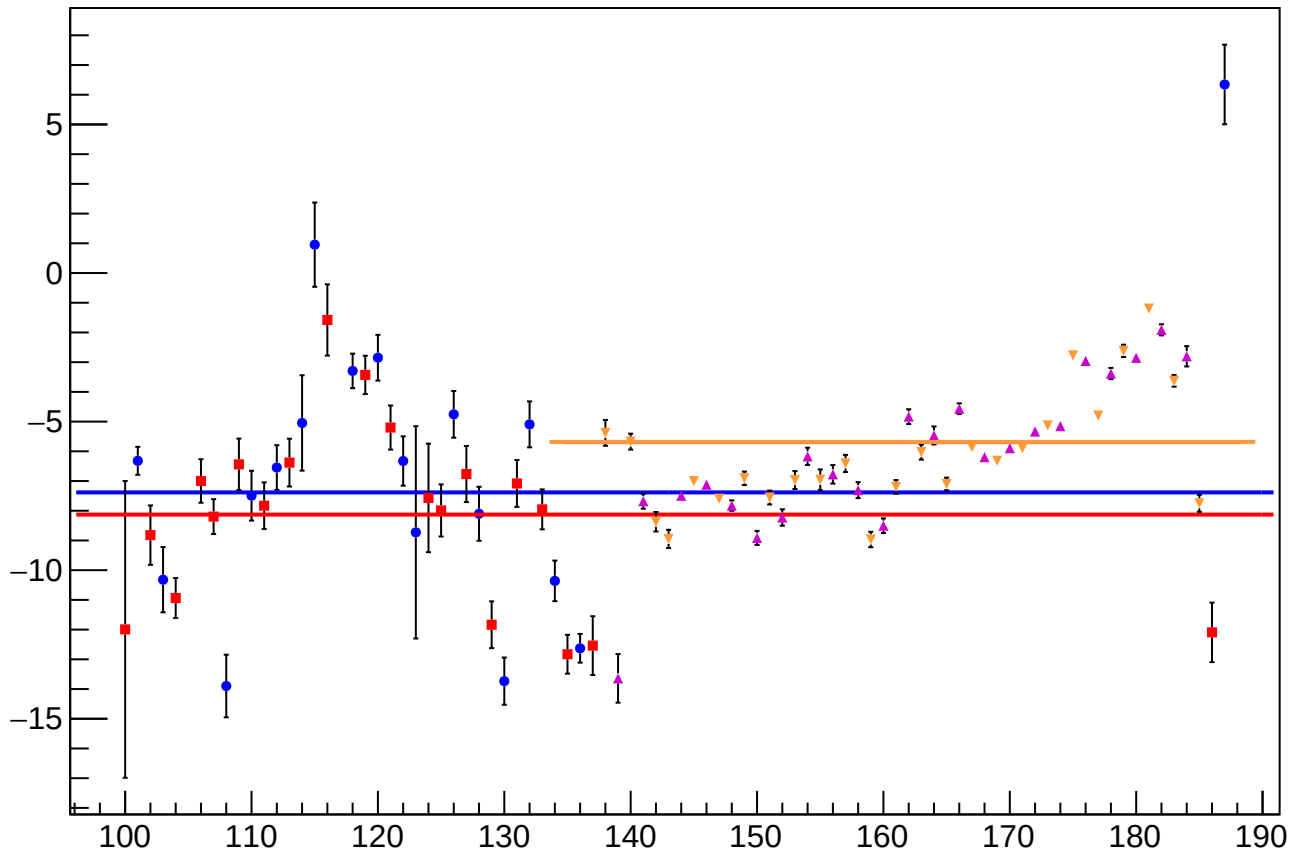
Right: -21.317 ± 0.573 χ^2/NDF : 245.1/1

In: -23.927 ± 0.051 χ^2/NDF : 9225.5/23

Out: -24.522 ± 0.051 χ^2/NDF : 8832.1/25

All: -24.224 ± 0.036 χ^2/NDF : 18126.1/49

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.383 ± 0.184 $\chi^2/\text{NDF}: 500.6/17$

Left Out: -5.683 ± 0.041 $\chi^2/\text{NDF}: 2231.0/24$

Right Out: -8.129 ± 0.183 $\chi^2/\text{NDF}: 241.7/19$

Left In: -5.690 ± 0.041 $\chi^2/\text{NDF}: 2328.2/22$

Left: -5.686 ± 0.029 $\chi^2/\text{NDF}: 4559.2/47$

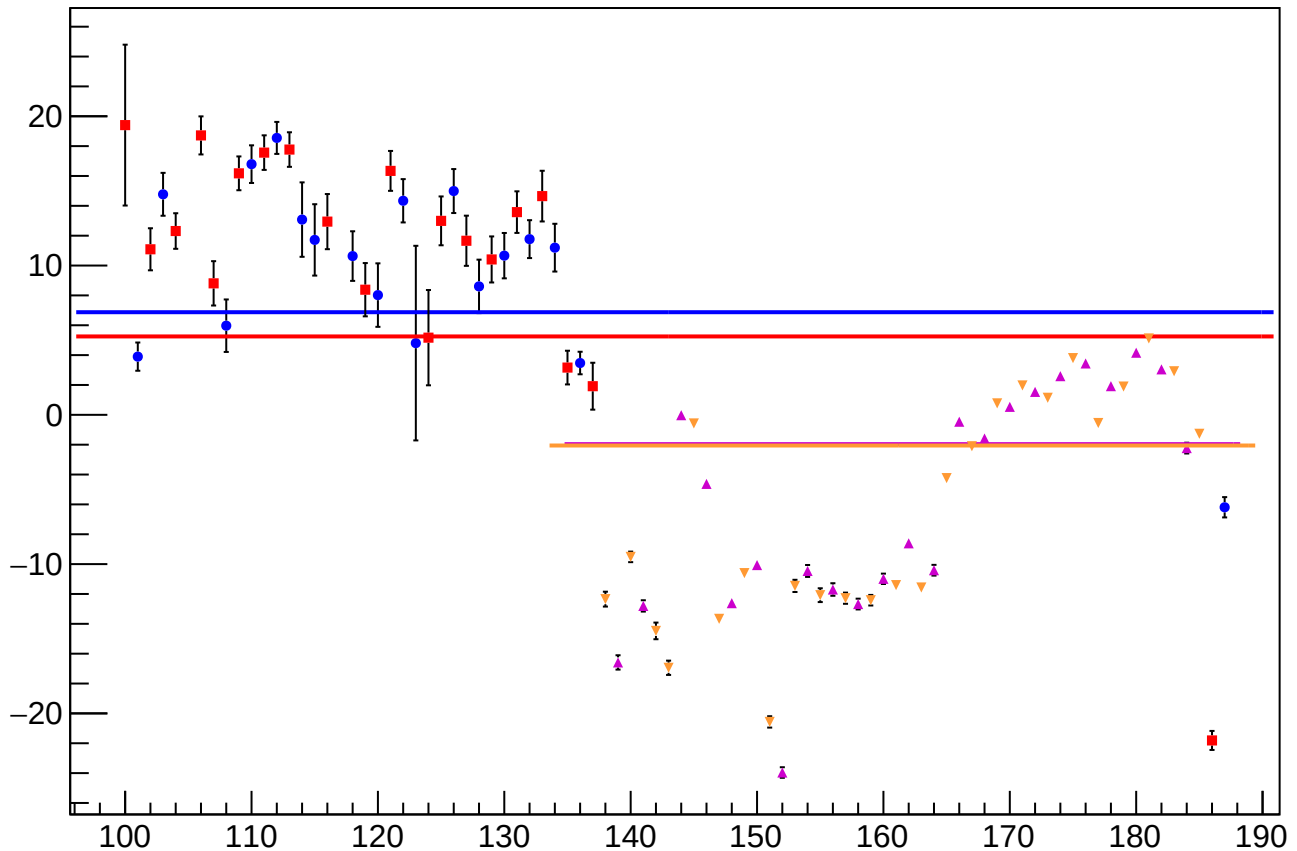
Right: -7.758 ± 0.130 $\chi^2/\text{NDF}: 750.6/37$

In: -5.769 ± 0.040 $\chi^2/\text{NDF}: 2909.7/40$

Out: -5.801 ± 0.040 $\chi^2/\text{NDF}: 2643.3/44$

All: -5.785 ± 0.028 $\chi^2/\text{NDF}: 5553.3/85$

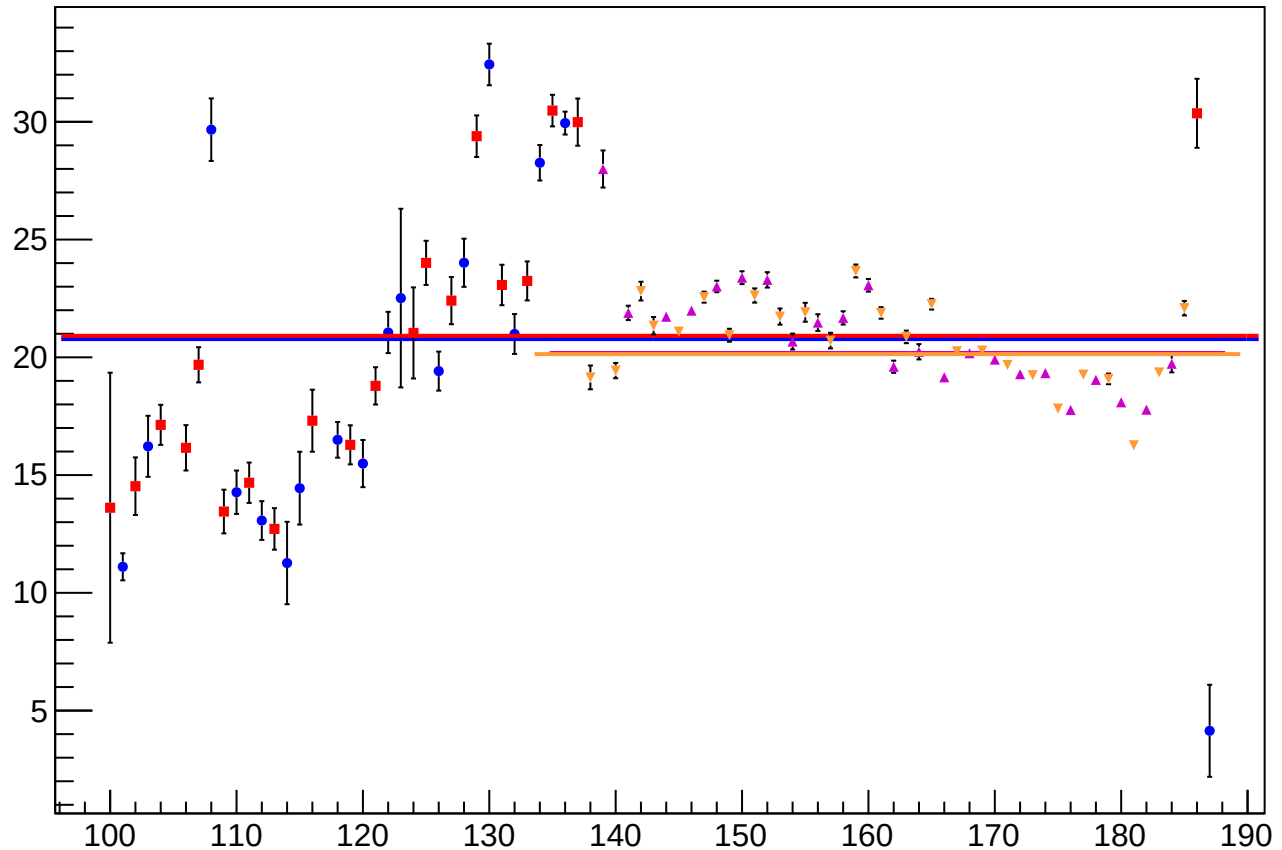
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.874 ± 0.302 $\chi^2/\text{NDF}: 712.3/17$
 Left Out: -2.055 ± 0.051 $\chi^2/\text{NDF}: 16042.5/24$
 Right Out: 5.251 ± 0.295 $\chi^2/\text{NDF}: 2515.8/19$
 Left In: -1.963 ± 0.051 $\chi^2/\text{NDF}: 15492.9/22$

Left: -2.009 ± 0.036 $\chi^2/\text{NDF}: 31537.0/47$
 Right: 6.043 ± 0.211 $\chi^2/\text{NDF}: 3242.9/37$
 In: -1.717 ± 0.050 $\chi^2/\text{NDF}: 17038.7/40$
 Out: -1.839 ± 0.051 $\chi^2/\text{NDF}: 19154.6/44$
 All: -1.778 ± 0.036 $\chi^2/\text{NDF}: 36196.2/85$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.774 $\pm$ 0.208 χ^2 /NDF: 1298.8/17

Left Out: 20.136 $\pm$ 0.046 χ^2 /NDF: 1414.2/24

Right Out: 20.914 $\pm$ 0.210 χ^2 /NDF: 772.3/19

Left In: 20.184 $\pm$ 0.046 χ^2 /NDF: 1470.7/22

Left: 20.160 $\pm$ 0.032 χ^2 /NDF: 2885.5/47

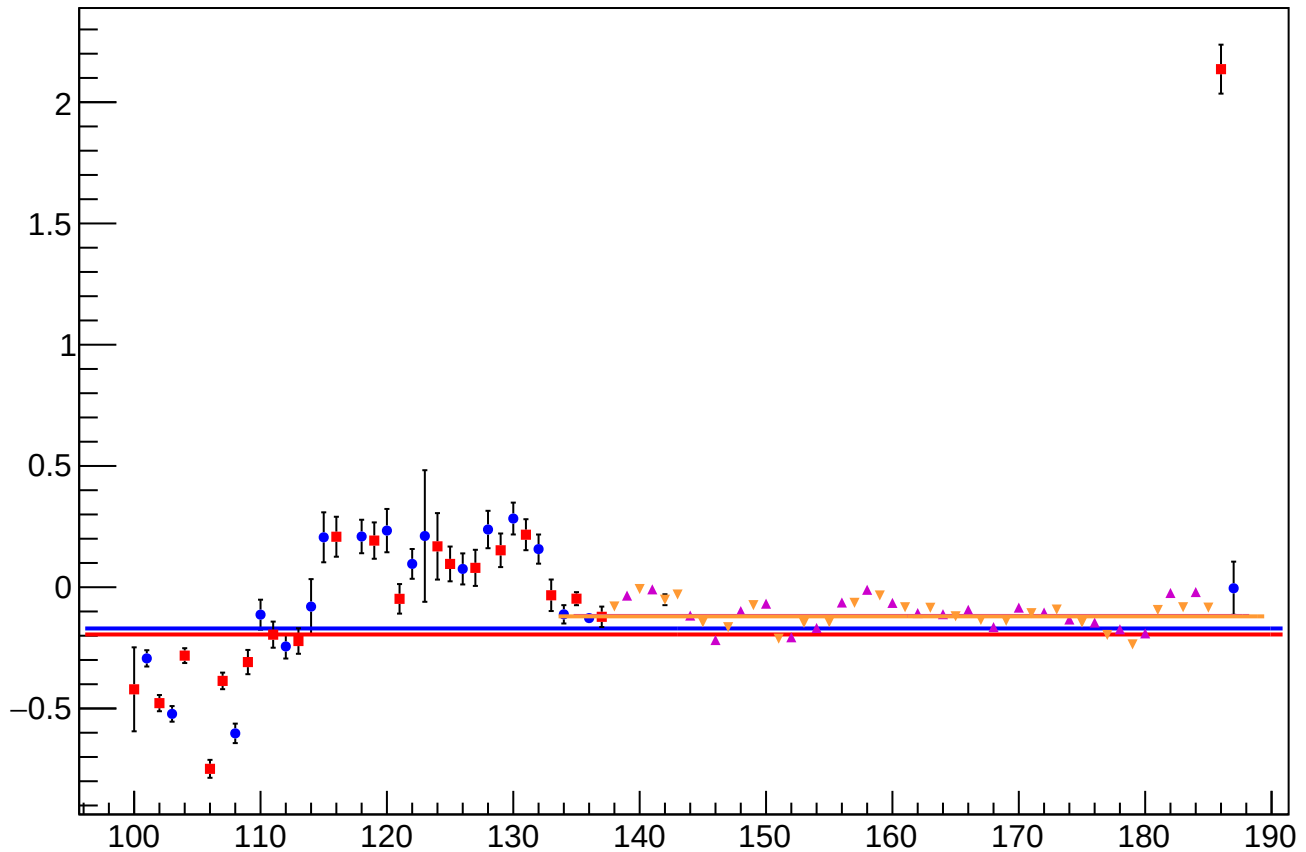
Right: 20.843 $\pm$ 0.148 χ^2 /NDF: 2071.3/37

In: 20.211 $\pm$ 0.045 χ^2 /NDF: 2777.1/40

Out: 20.171 $\pm$ 0.045 χ^2 /NDF: 2199.6/44

All: 20.192 $\pm$ 0.032 χ^2 /NDF: 4977.1/85

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.170 ± 0.011 $\chi^2/\text{NDF}: 466.5/17$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 532.4/24$

Right Out: -0.195 ± 0.011 $\chi^2/\text{NDF}: 1075.6/19$

Left In: -0.118 ± 0.002 $\chi^2/\text{NDF}: 727.5/22$

Left: -0.119 ± 0.001 $\chi^2/\text{NDF}: 1260.2/47$

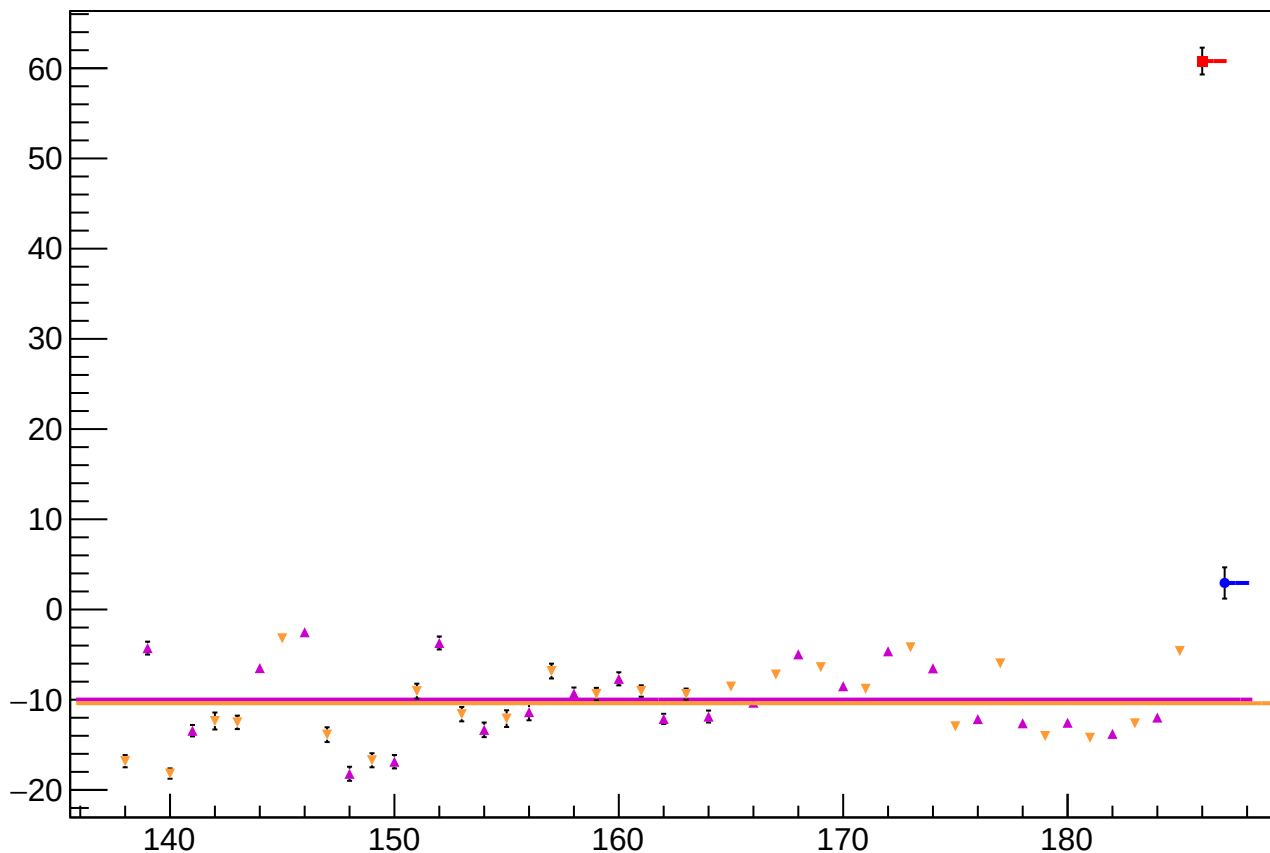
Right: -0.183 ± 0.008 $\chi^2/\text{NDF}: 1544.6/37$

In: -0.120 ± 0.002 $\chi^2/\text{NDF}: 1214.7/40$

Out: -0.123 ± 0.002 $\chi^2/\text{NDF}: 1653.5/44$

All: -0.122 ± 0.001 $\chi^2/\text{NDF}: 2869.0/85$

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.941+/-1.732 χ^2/NDF : 0.0/0

Left Out: -10.392+/-0.088 χ^2/NDF : 2112.5/24

Right Out: 60.793+/-1.487 χ^2/NDF : 0.0/0

Left In: -9.990+/-0.089 χ^2/NDF : 1794.2/22

Left: -10.194+/-0.063 χ^2/NDF : 3917.0/47

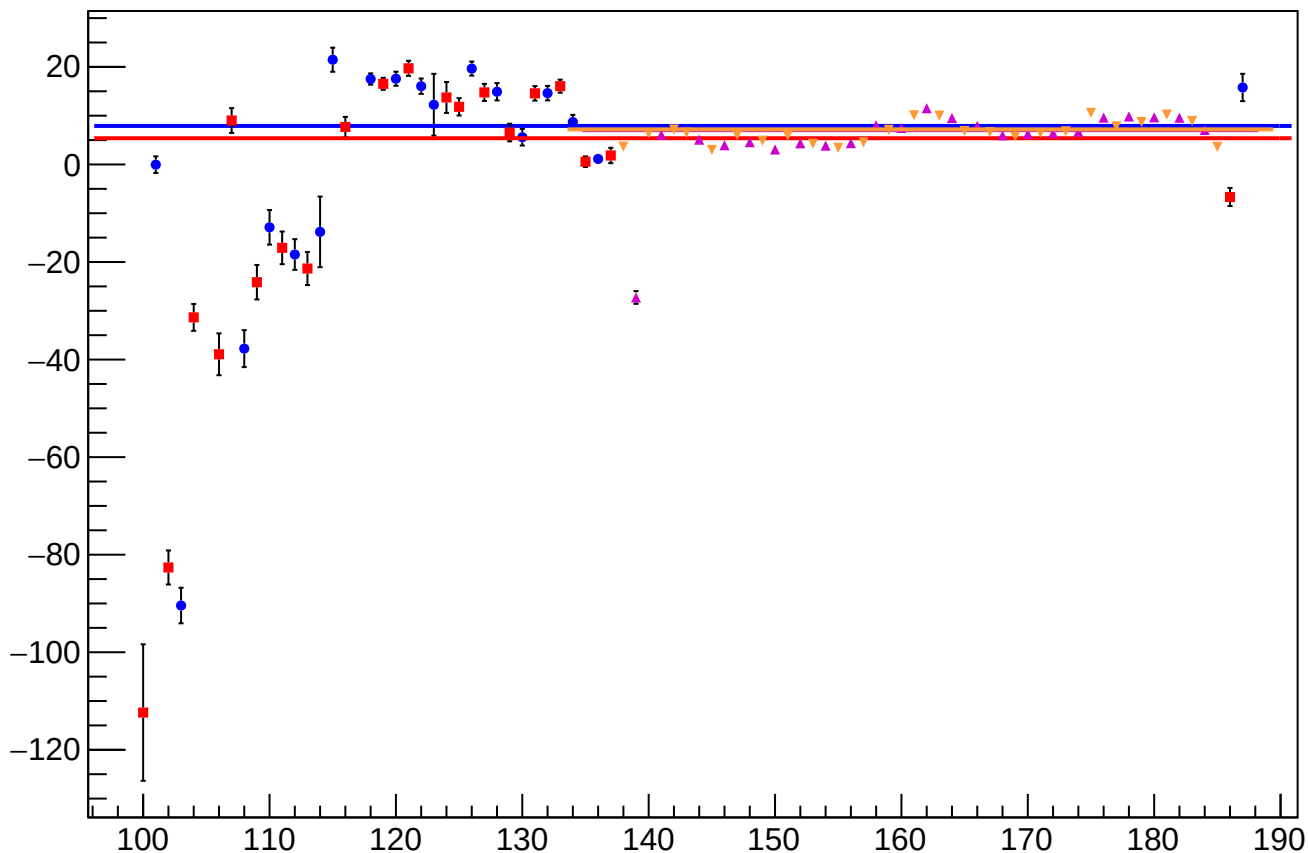
Right: 36.256+/-1.128 χ^2/NDF : 642.4/1

In: -9.956+/-0.089 χ^2/NDF : 1849.8/23

Out: -10.144+/-0.088 χ^2/NDF : 4397.5/25

All: -10.051+/-0.063 χ^2/NDF : 6249.5/49

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.899 $\pm$ 0.399 χ^2 /NDF: 1366.5/17

Left Out: 7.187 $\pm$ 0.074 χ^2 /NDF:916.3/24

Right Out: 5.376 $\pm$ 0.423 χ^2 /NDF: 1556.9/19

Left In: 7.043 $\pm$ 0.074 χ^2 /NDF:1604.6/22

Left: 7.115 $\pm$ 0.052 χ^2 /NDF: 2522.8/47

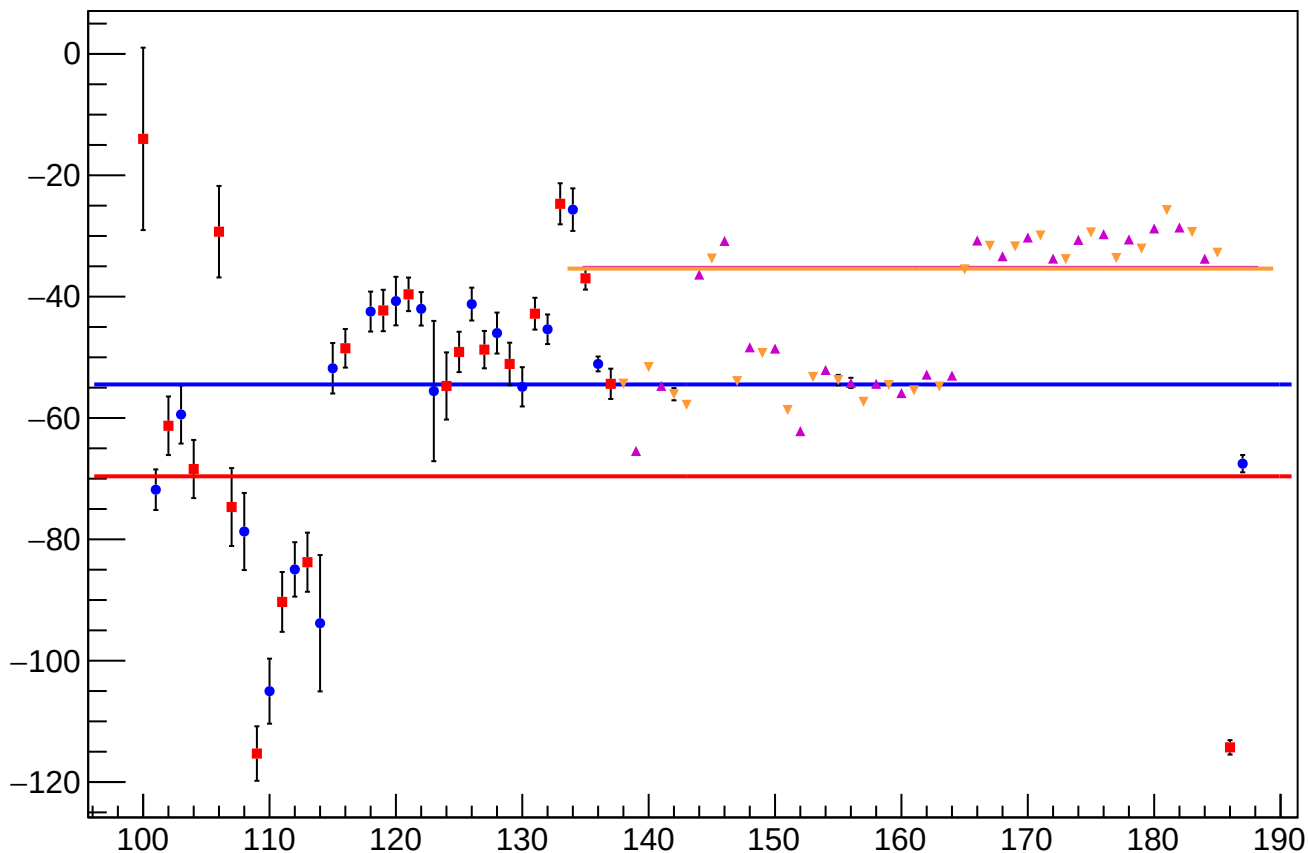
Right: 6.712 $\pm$ 0.290 χ^2 /NDF: 2942.2/37

In: 7.072 $\pm$ 0.073 χ^2 /NDF:2975.5/40

Out: 7.134 $\pm$ 0.072 χ^2 /NDF:2491.0/44

All: 7.103 $\pm$ 0.051 χ^2 /NDF: 5466.9/85

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.471 ± 0.655 χ^2/NDF : 439.4/17

Left Out: -35.377 ± 0.089 χ^2/NDF : 12628.3/24

Right Out: -69.613 ± 0.662 χ^2/NDF : 2560.7/19

Left In: -35.260 ± 0.090 χ^2/NDF : 11769.2/22

Left: -35.319 ± 0.063 χ^2/NDF : 24398.4/47

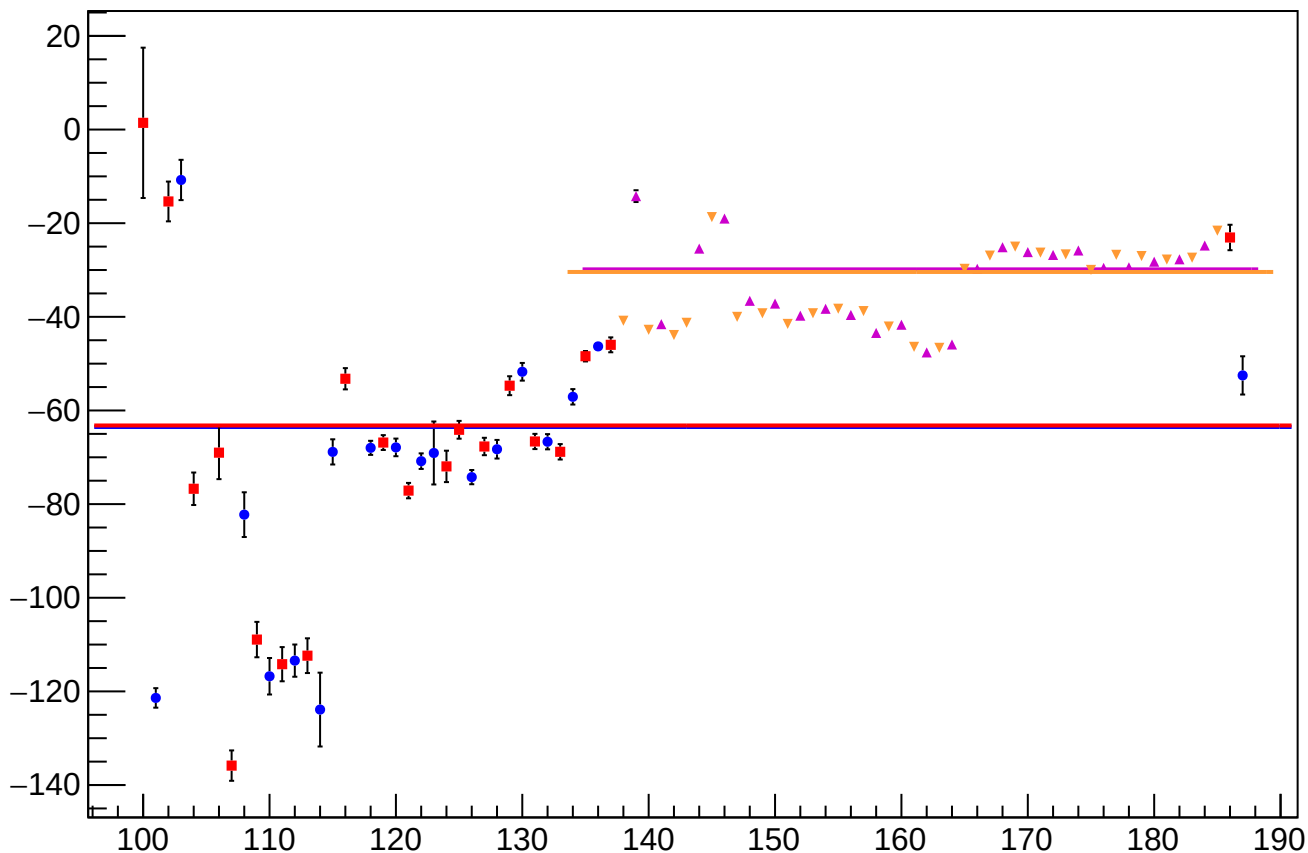
Right: -61.961 ± 0.466 χ^2/NDF : 3264.4/37

In: -35.614 ± 0.089 χ^2/NDF : 13053.1/40

Out: -35.986 ± 0.088 χ^2/NDF : 17815.9/44

All: -35.801 ± 0.063 χ^2/NDF : 30877.8/85

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.443 χ^2/NDF : 2022.1/17

Left Out: -30.415 ± 0.082 χ^2/NDF : 8132.2/24

Right Out: -63.204 ± 0.475 χ^2/NDF : 1832.1/19

Left In: -29.863 ± 0.082 χ^2/NDF : 7145.9/22

Left: -30.141 ± 0.058 χ^2/NDF : 15300.8/47

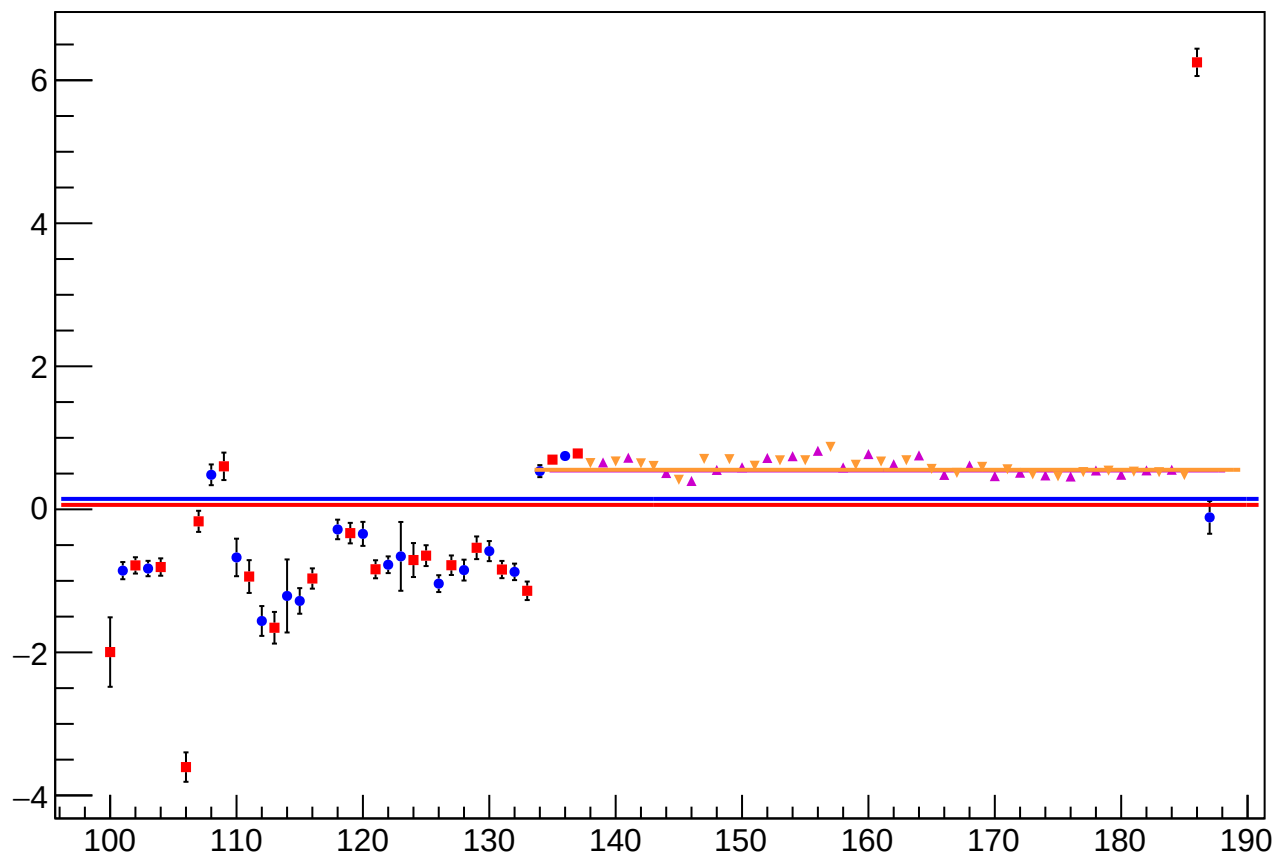
Right: -63.376 ± 0.324 χ^2/NDF : 3854.4/37

In: -30.986 ± 0.081 χ^2/NDF : 14755.9/40

Out: -31.355 ± 0.080 χ^2/NDF : 14591.3/44

All: -31.172 ± 0.057 χ^2/NDF : 29357.6/85

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.146 $\pm$ 0.024 χ^2 /NDF: 991.2/17

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.9/24

Right Out: 0.062 $\pm$ 0.026 χ^2 /NDF: 2235.3/19

Left In: 0.544 $\pm$ 0.004 χ^2 /NDF:659.2/22

Left: 0.548 $\pm$ 0.003 χ^2 /NDF: 1205.2/47

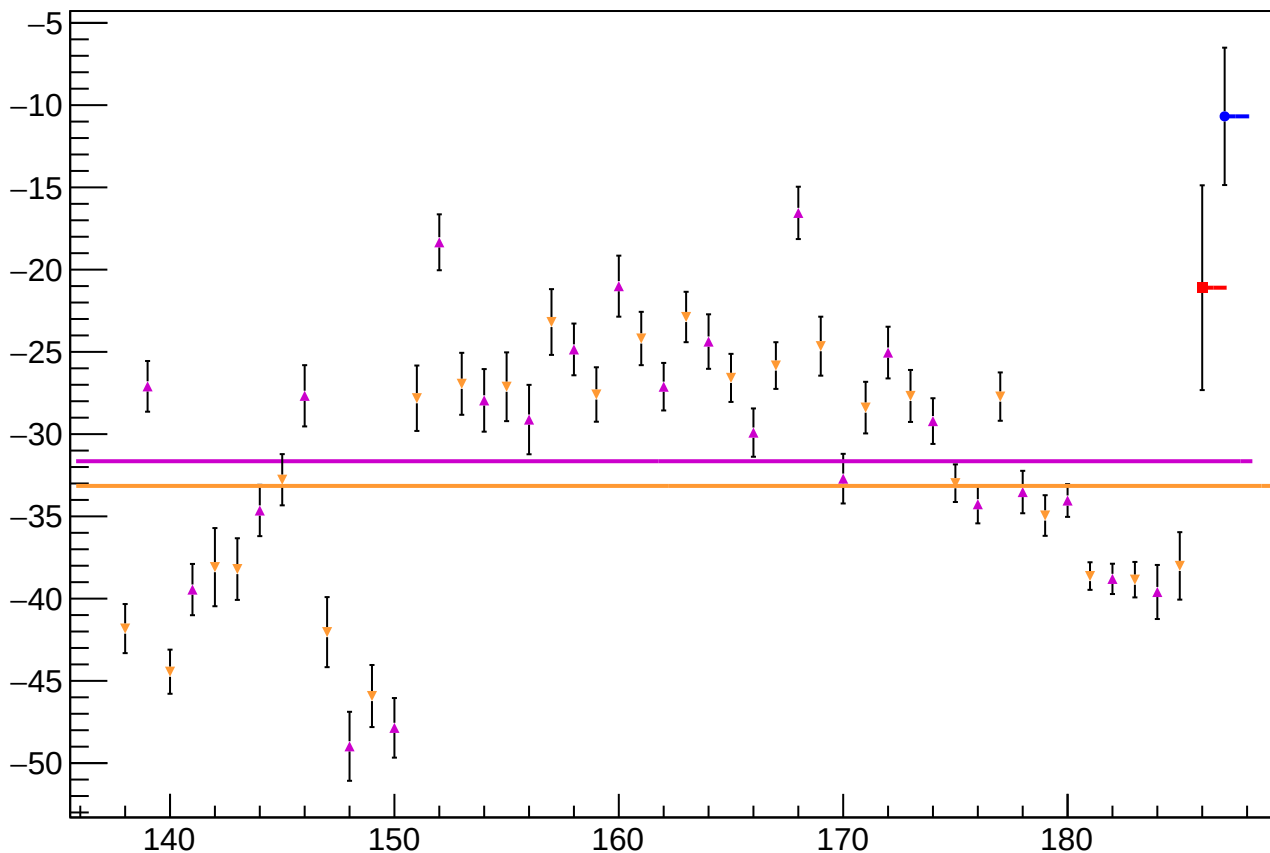
Right: 0.108 $\pm$ 0.018 χ^2 /NDF: 3232.2/37

In: 0.534 $\pm$ 0.004 χ^2 /NDF:1921.4/40

Out: 0.543 $\pm$ 0.004 χ^2 /NDF:3128.5/44

All: 0.539 $\pm$ 0.003 χ^2 /NDF: 5053.0/85

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -10.682 ± 4.176 χ^2/NDF : 0.0/0

Left Out: -33.148 ± 0.301 χ^2/NDF : 500.0/24

Right Out: -21.098 ± 6.224 χ^2/NDF : 0.0/0

Left In: -31.647 ± 0.308 χ^2/NDF : 546.9/22

Left: -32.414 ± 0.215 χ^2/NDF : 1059.0/47

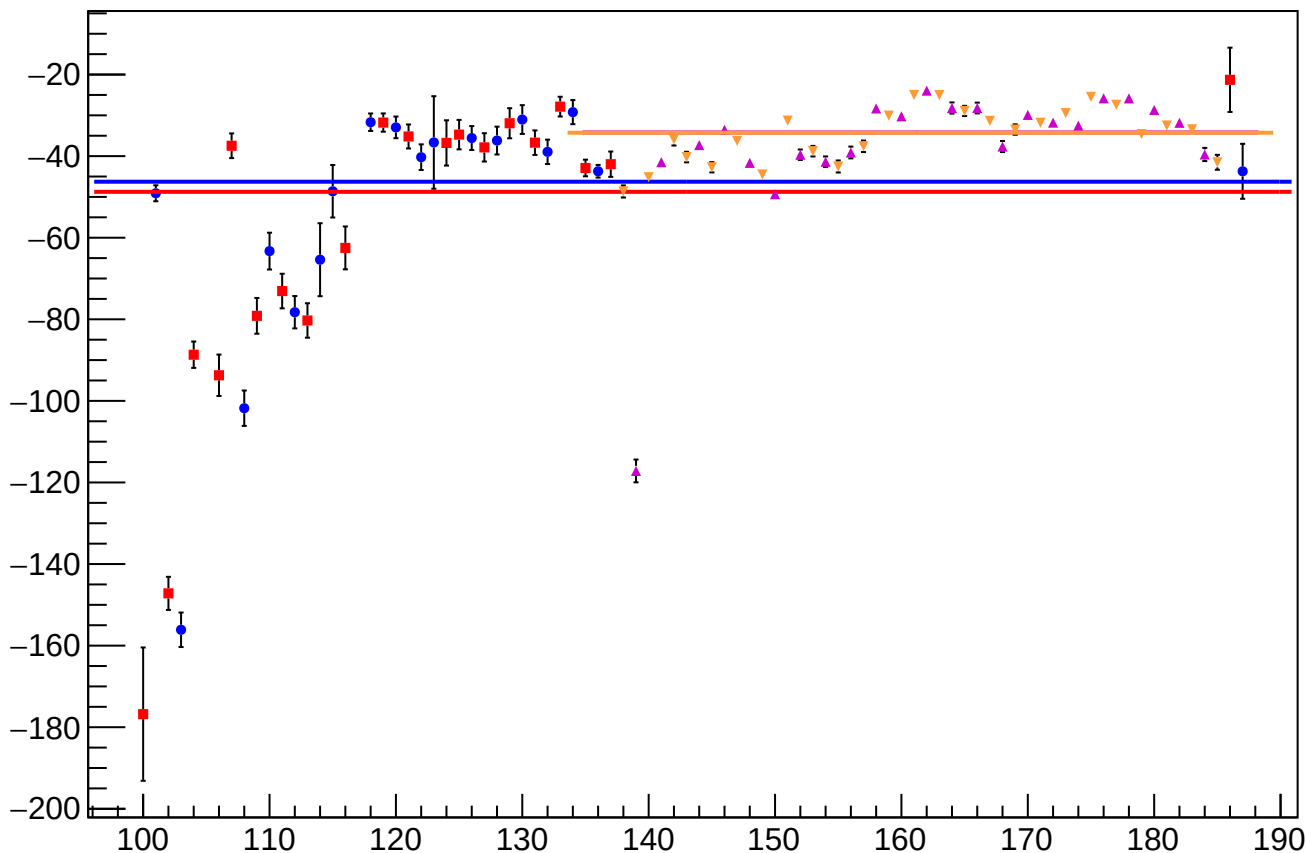
Right: -13.914 ± 3.468 χ^2/NDF : 1.9/1

In: -31.534 ± 0.307 χ^2/NDF : 572.0/23

Out: -33.120 ± 0.300 χ^2/NDF : 503.7/25

All: -32.344 ± 0.215 χ^2/NDF : 1089.3/49

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.271 ± 0.719 $\chi^2/\text{NDF}: 1084.2/17$

Left Out: -34.256 ± 0.242 $\chi^2/\text{NDF}: 693.3/24$

Right Out: -48.750 ± 0.760 $\chi^2/\text{NDF}: 1283.9/19$

Left In: -34.189 ± 0.250 $\chi^2/\text{NDF}: 1546.1/22$

Left: -34.224 ± 0.174 $\chi^2/\text{NDF}: 2239.5/47$

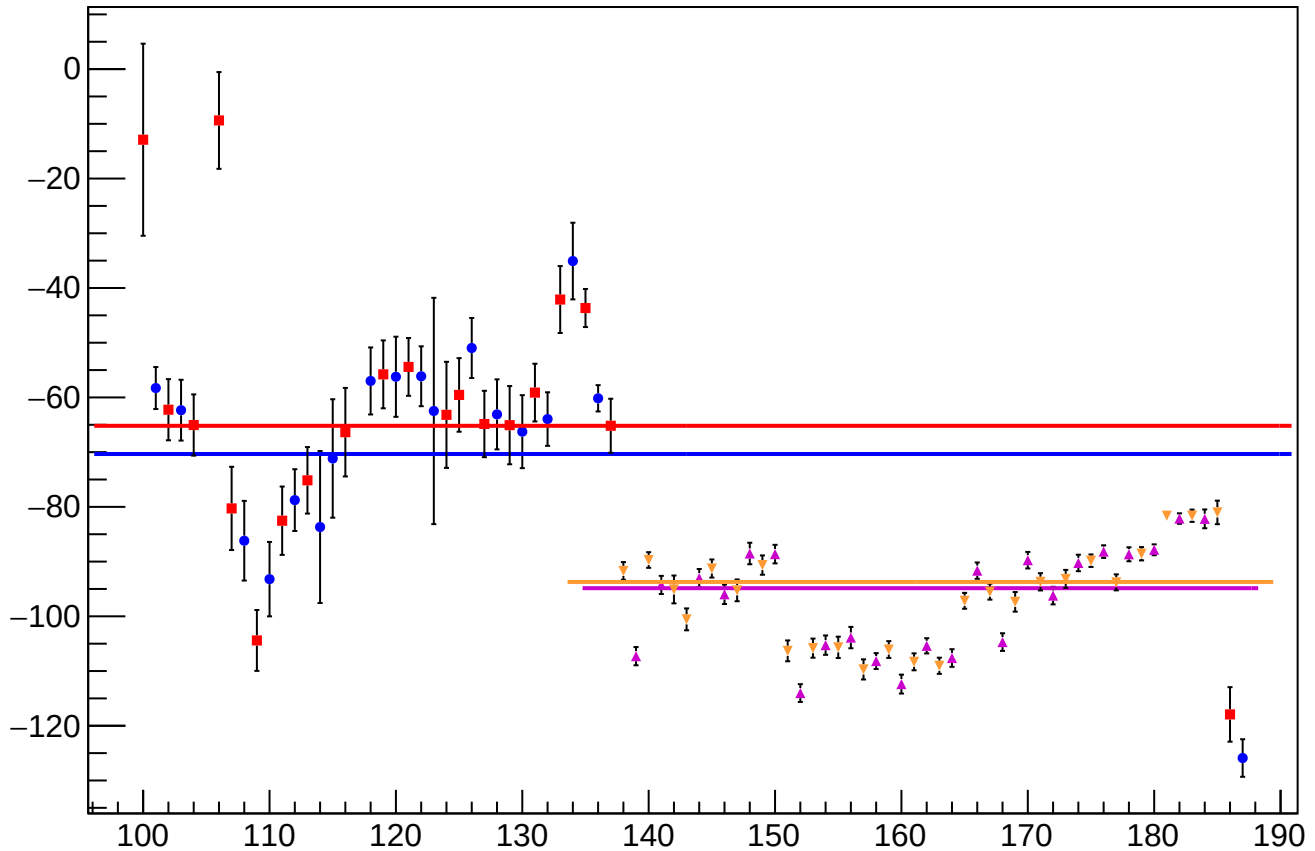
Right: -47.441 ± 0.522 $\chi^2/\text{NDF}: 2373.7/37$

In: -35.495 ± 0.236 $\chi^2/\text{NDF}: 2882.4/40$

Out: -35.591 ± 0.231 $\chi^2/\text{NDF}: 2307.3/44$

All: -35.544 ± 0.165 $\chi^2/\text{NDF}: 5189.8/85$

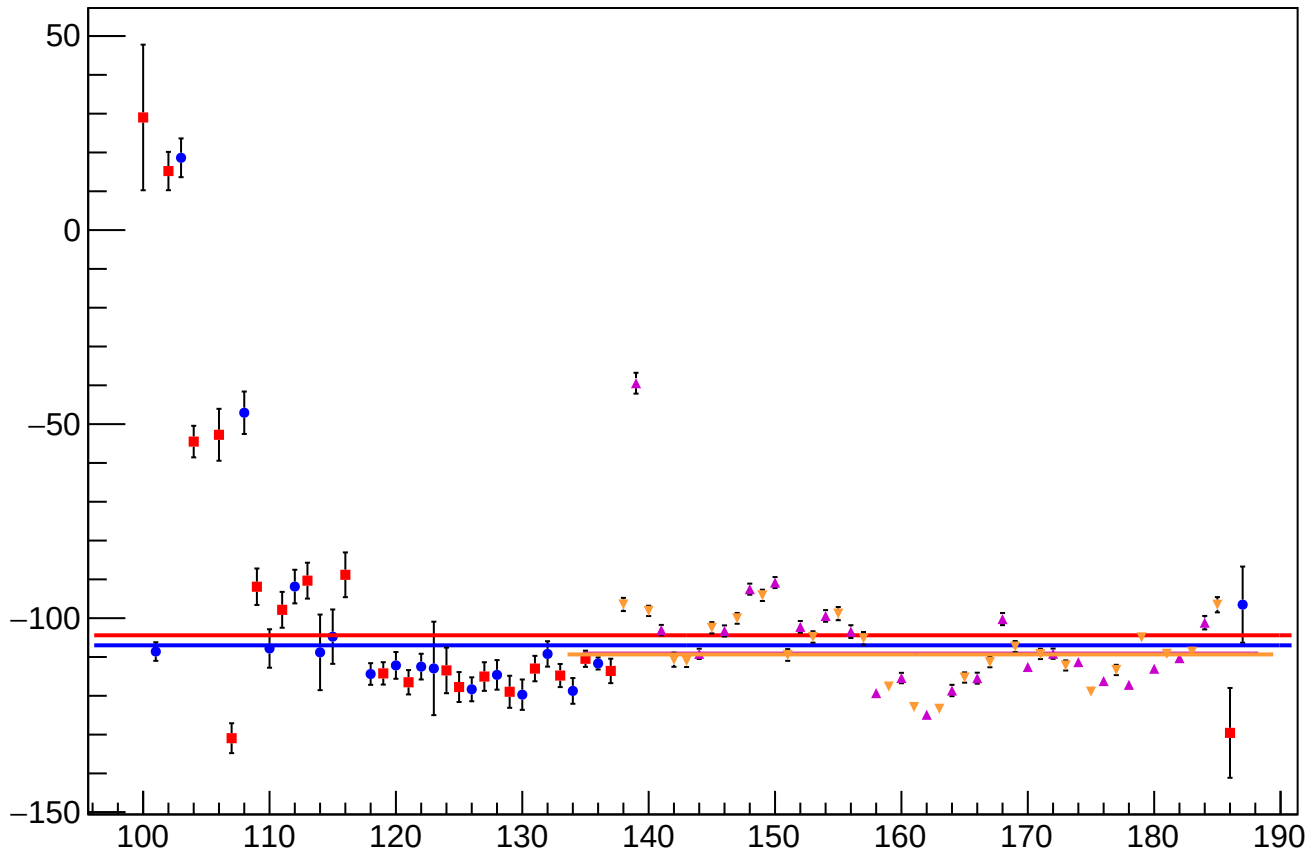
reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -70.340 ± 1.224 χ^2/NDF : 367.7/17
 Left Out: -93.719 ± 0.302 χ^2/NDF : 878.2/24
 Right Out: -65.186 ± 1.329 χ^2/NDF : 286.2/19
 Left In: -94.861 ± 0.307 χ^2/NDF : 985.5/22

Left: -94.280 ± 0.215 χ^2/NDF : 1870.7/47
 Right: -67.975 ± 0.900 χ^2/NDF : 662.1/37
 In: -93.407 ± 0.298 χ^2/NDF : 1730.8/40
 Out: -92.316 ± 0.295 χ^2/NDF : 1602.4/44
 All: -92.856 ± 0.210 χ^2/NDF : 3340.0/85

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.995 ± 0.809 $\chi^2/\text{NDF}: 829.5/17$

Left Out: -109.338 ± 0.272 $\chi^2/\text{NDF}: 826.2/24$

Right Out: -104.409 ± 0.859 $\chi^2/\text{NDF}: 1023.4/19$

Left In: -109.126 ± 0.279 $\chi^2/\text{NDF}: 1578.7/22$

Left: -109.235 ± 0.195 $\chi^2/\text{NDF}: 2405.2/47$

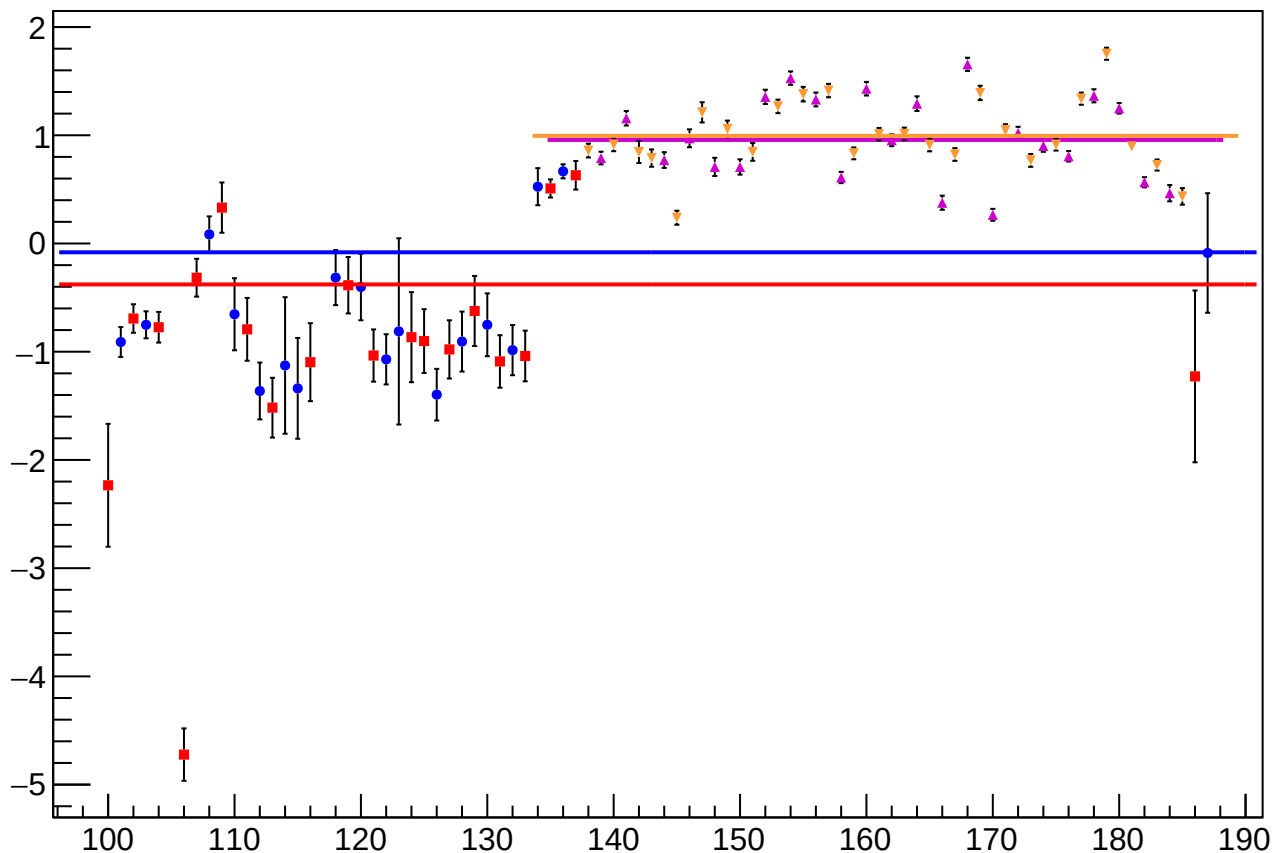
Right: -105.779 ± 0.589 $\chi^2/\text{NDF}: 1857.7/37$

In: -108.899 ± 0.264 $\chi^2/\text{NDF}: 2414.4/40$

Out: -108.889 ± 0.259 $\chi^2/\text{NDF}: 1879.5/44$

All: -108.894 ± 0.185 $\chi^2/\text{NDF}: 4294.0/85$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081 ± 0.042 χ^2/NDF : 329.0/17

Left Out: 0.995 ± 0.012 χ^2/NDF : 635.3/24

Right Out: -0.378 ± 0.044 χ^2/NDF : 584.2/19

Left In: 0.957 ± 0.013 χ^2/NDF : 896.5/22

Left: 0.976 ± 0.009 χ^2/NDF : 1536.3/47

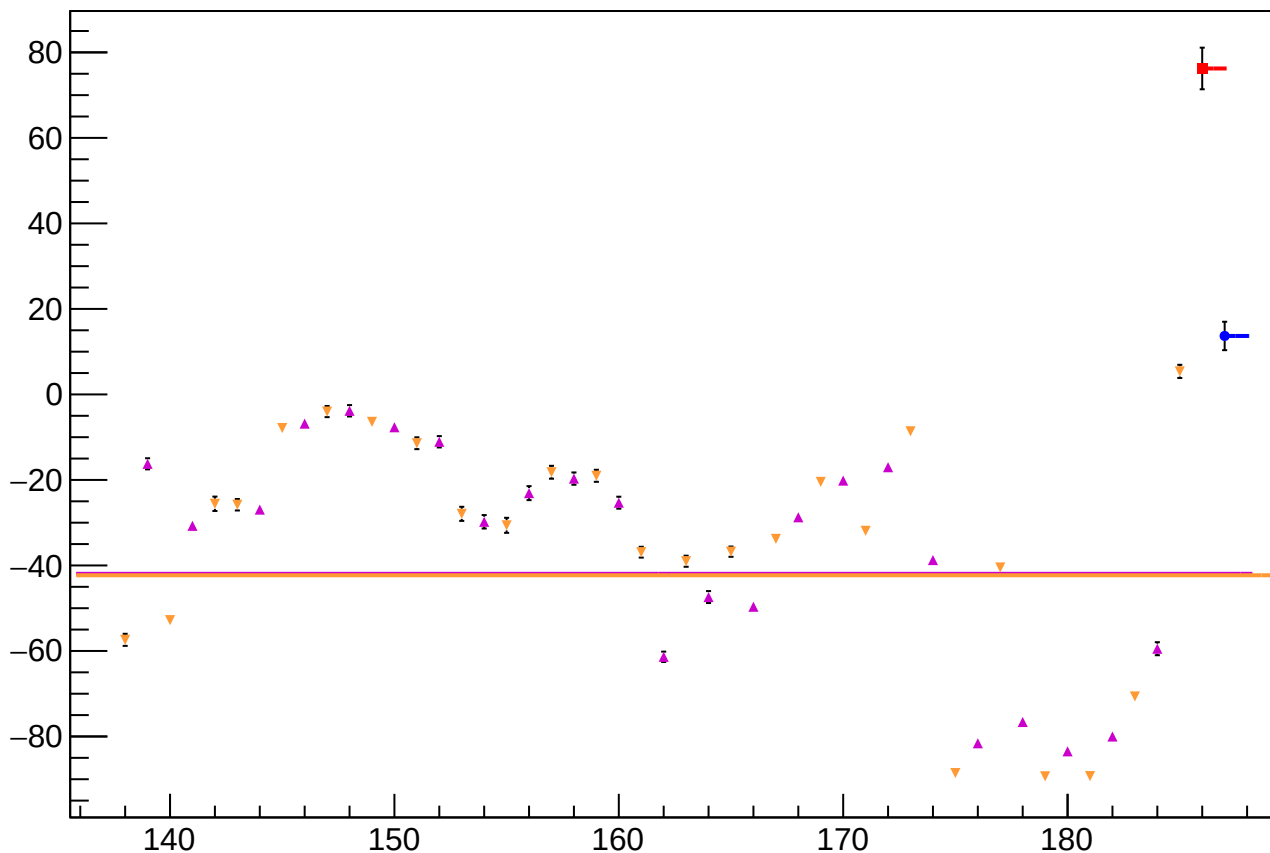
Right: -0.224 ± 0.030 χ^2/NDF : 937.0/37

In: 0.871 ± 0.012 χ^2/NDF : 1784.9/40

Out: 0.892 ± 0.012 χ^2/NDF : 2127.8/44

All: 0.882 ± 0.008 χ^2/NDF : 3914.3/85

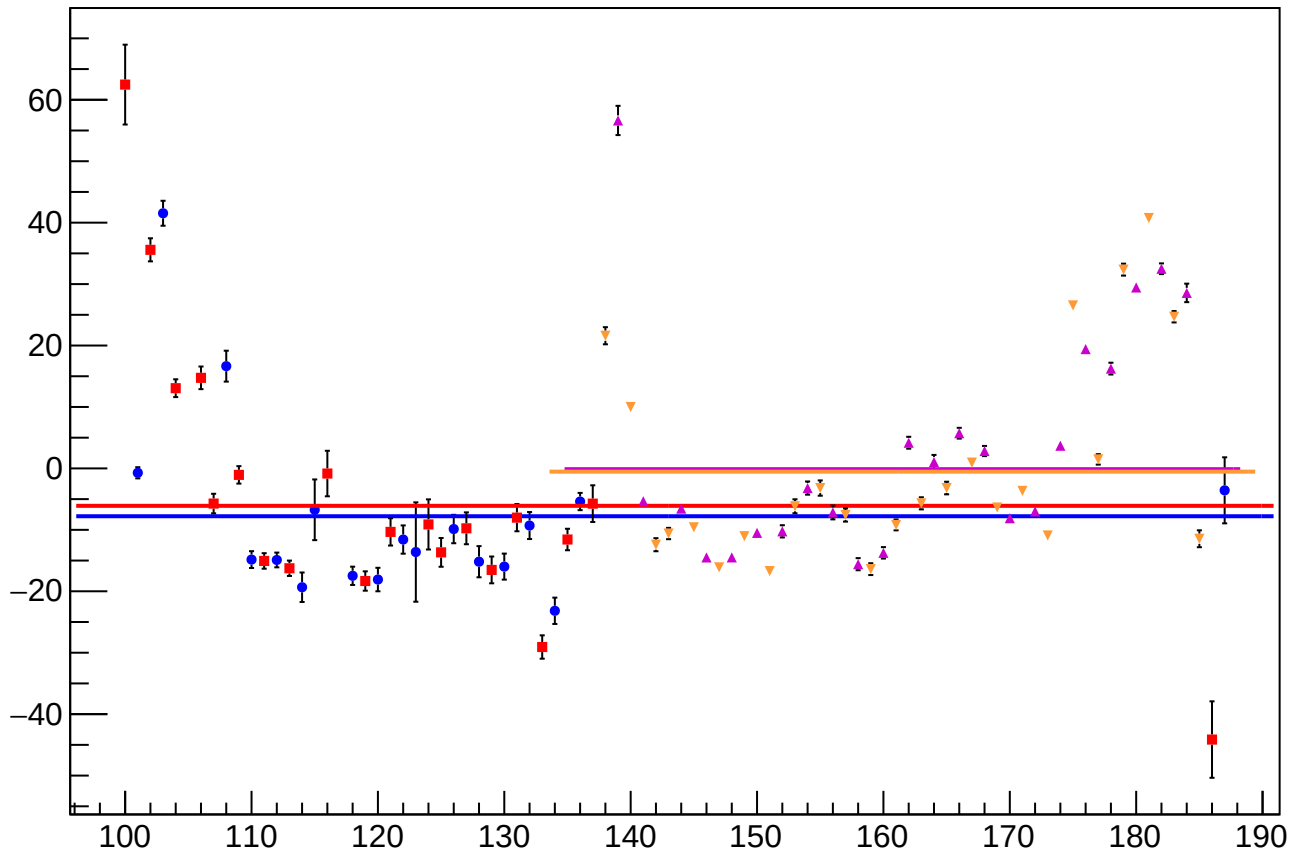
reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 13.675+/-3.323 χ^2/NDF : 0.0/0
 Left Out: -42.295+/-0.222 χ^2/NDF :18267.5/24
 Right Out: 76.234+/-4.867 χ^2/NDF : 0.0/0
 Left In: -41.955+/-0.226 χ^2/NDF :14723.4/22

Left: -42.128+/-0.159 χ^2/NDF : 32992.1/47
 Right: 33.568+/-2.744 χ^2/NDF : 112.7/1
 In: -41.699+/-0.225 χ^2/NDF :15002.4/23
 Out: -42.048+/-0.222 χ^2/NDF :18859.4/25
 All: -41.876+/-0.158 χ^2/NDF : 33863.0/49

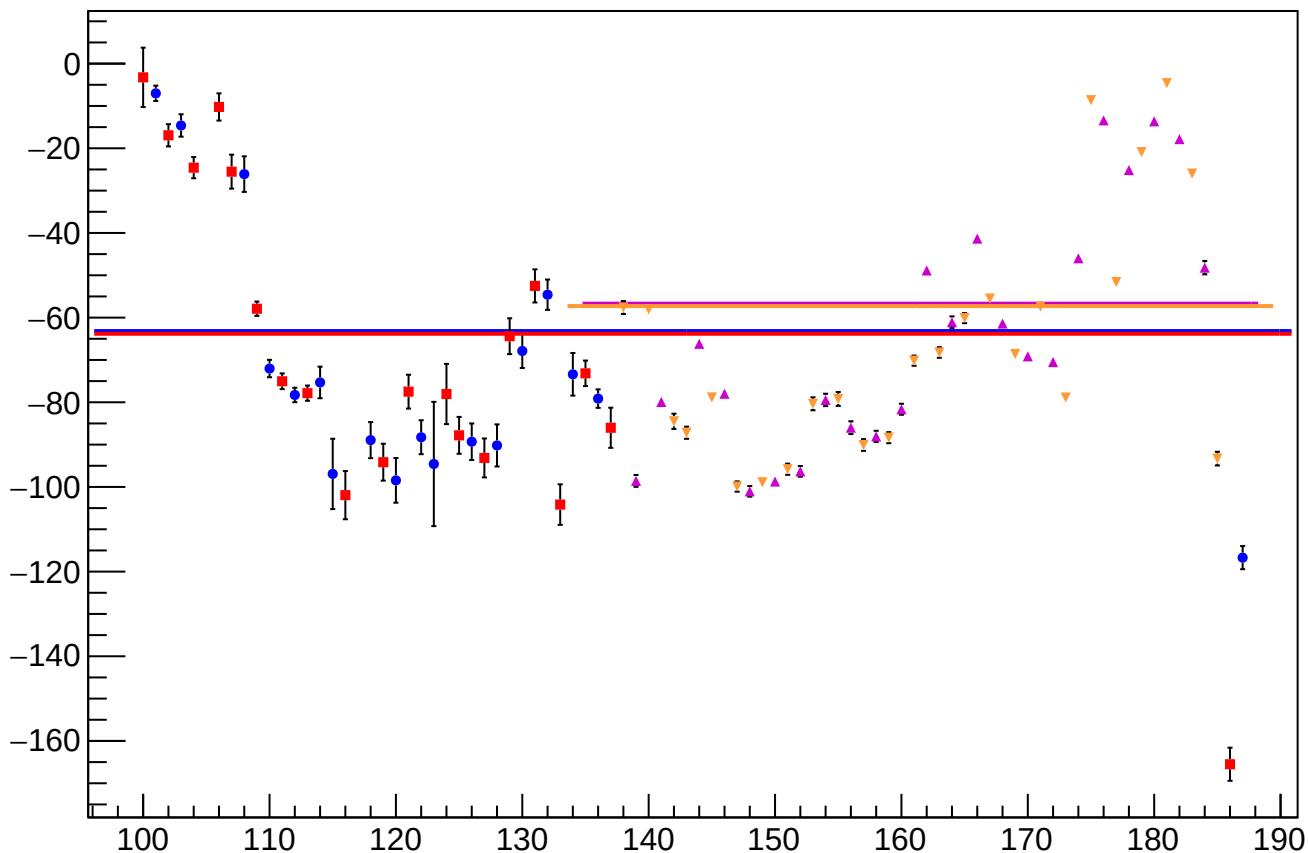
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.785 ± 0.426 $\chi^2/\text{NDF}: 983.4/17$
 Left Out: -0.527 ± 0.175 $\chi^2/\text{NDF}: 8707.9/24$
 Right Out: -6.089 ± 0.428 $\chi^2/\text{NDF}: 1330.6/19$
 Left In: -0.125 ± 0.179 $\chi^2/\text{NDF}: 6925.0/22$

Left: -0.331 ± 0.125 $\chi^2/\text{NDF}: 15635.5/47$
 Right: -6.942 ± 0.302 $\chi^2/\text{NDF}: 2321.9/37$
 In: -1.270 ± 0.165 $\chi^2/\text{NDF}: 8183.5/40$
 Out: -1.321 ± 0.162 $\chi^2/\text{NDF}: 10183.2/44$
 All: -1.296 ± 0.115 $\chi^2/\text{NDF}: 18366.8/85$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -63.180+/-0.718 χ^2/NDF : 2132.6/17

Left Out: -57.276+/-0.224 χ^2/NDF :18511.1/24

Right Out: -63.812+/-0.693 χ^2/NDF : 2082.5/19

Left In: -56.705+/-0.226 χ^2/NDF :16547.5/22

Left: -56.993+/-0.159 χ^2/NDF : 35061.8/47

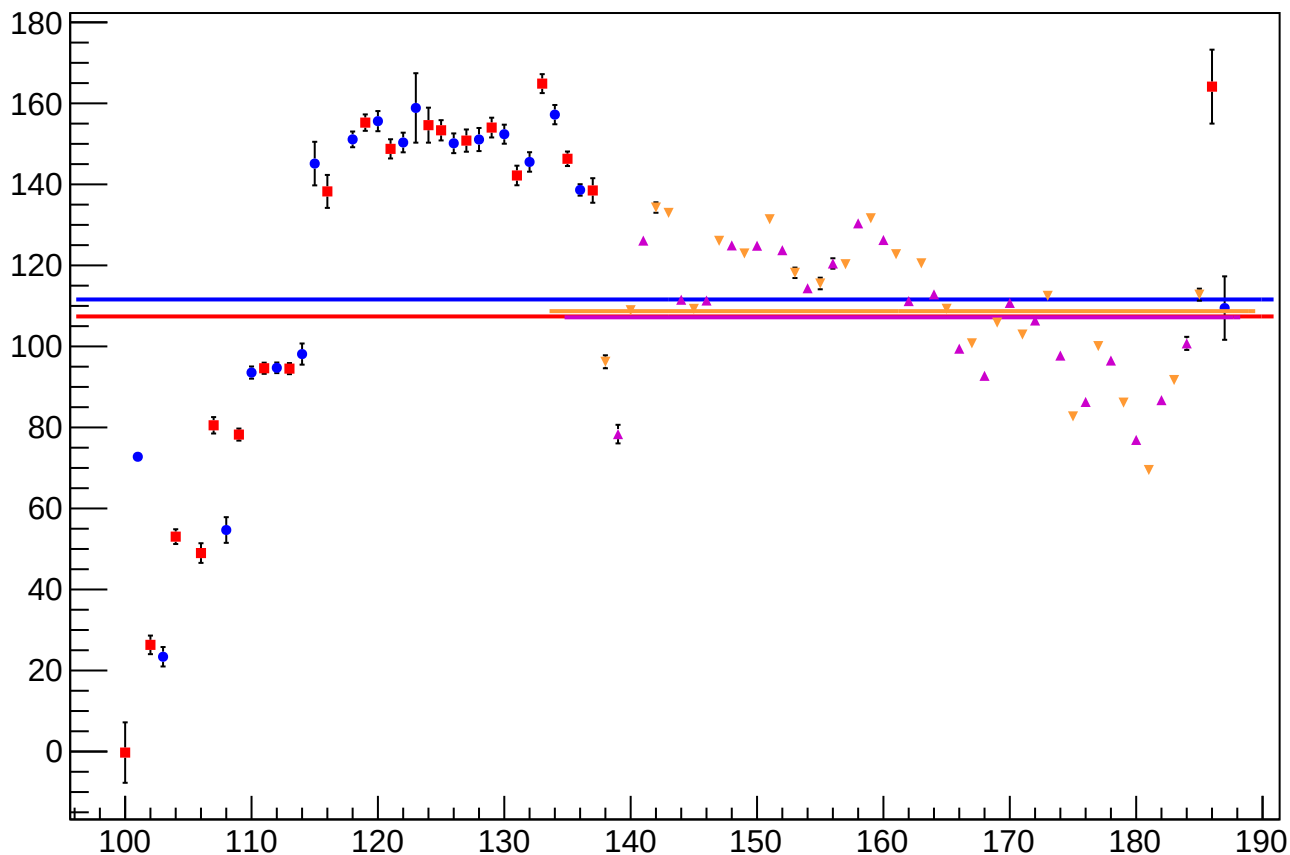
Right: -63.507+/-0.499 χ^2/NDF : 4215.5/37

In: -57.289+/-0.216 χ^2/NDF :18754.2/40

Out: -57.892+/-0.213 χ^2/NDF :20674.2/44

All: -57.595+/-0.151 χ^2/NDF : 39432.4/85

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.590 $\pm$ 0.486 χ^2 /NDF: 5959.6/17

Left Out: 108.709 $\pm$ 0.198 χ^2 /NDF: 7297.0/24

Right Out: 107.400 $\pm$ 0.487 χ^2 /NDF: 7076.2/19

Left In: 107.180 $\pm$ 0.202 χ^2 /NDF: 5592.3/22

Left: 107.959 $\pm$ 0.141 χ^2 /NDF: 12918.6/47

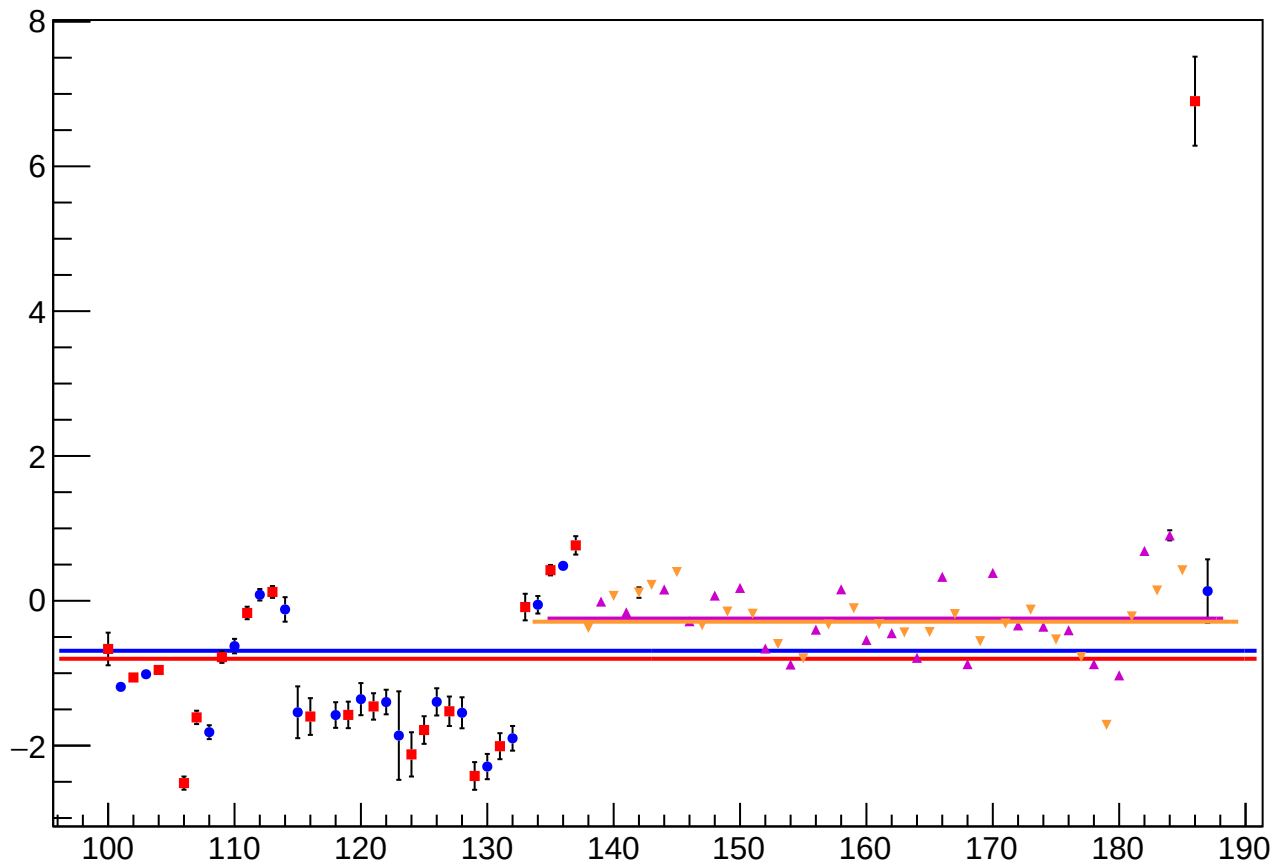
Right: 109.501 $\pm$ 0.344 χ^2 /NDF: 13072.9/37

In: 107.829 $\pm$ 0.186 χ^2 /NDF: 11622.2/40

Out: 108.523 $\pm$ 0.183 χ^2 /NDF: 14379.3/44

All: 108.182 $\pm$ 0.131 χ^2 /NDF: 26008.6/85

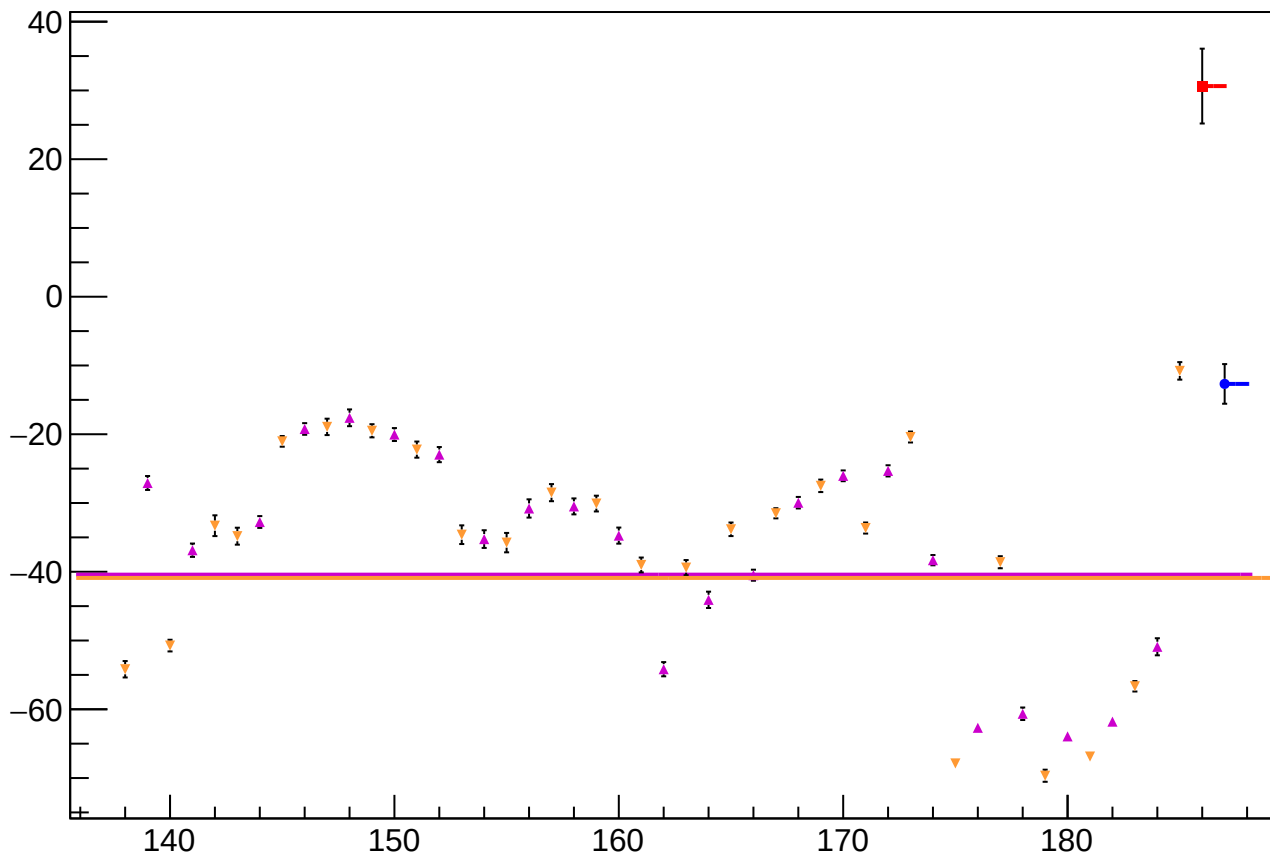
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.690 ± 0.026 χ^2/NDF : 996.6/17
 Left Out: -0.289 ± 0.009 χ^2/NDF : 2039.6/24
 Right Out: -0.801 ± 0.024 χ^2/NDF : 1467.8/19
 Left In: -0.246 ± 0.009 χ^2/NDF : 2804.3/22

Left: -0.267 ± 0.006 χ^2/NDF : 4855.1/47
 Right: -0.749 ± 0.018 χ^2/NDF : 2474.2/37
 In: -0.296 ± 0.009 χ^2/NDF : 4065.7/40
 Out: -0.352 ± 0.009 χ^2/NDF : 3896.3/44
 All: -0.324 ± 0.006 χ^2/NDF : 7982.9/85

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



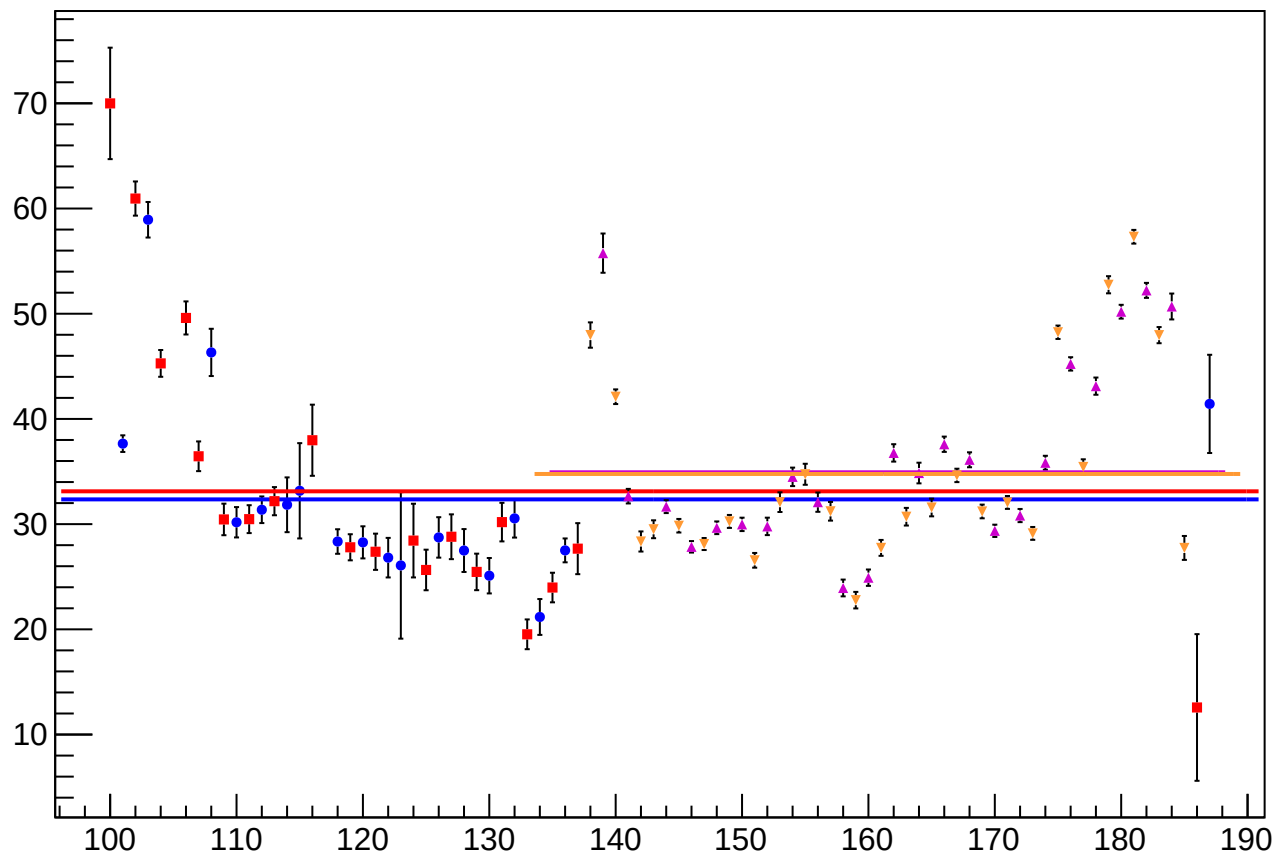
Right In: -12.681 ± 2.883 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -40.897 ± 0.186 $\chi^2/\text{NDF}: 9114.7/24$
 Right Out: 30.633 ± 5.441 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -40.422 ± 0.189 $\chi^2/\text{NDF}: 7030.2/22$

Left: -40.662 ± 0.133 $\chi^2/\text{NDF}: 16148.1/47$
 Right: -3.187 ± 2.548 $\chi^2/\text{NDF}: 49.5/1$

In: -40.303 ± 0.188 $\chi^2/\text{NDF}: 7122.4/23$
 Out: -40.813 ± 0.186 $\chi^2/\text{NDF}: 9287.3/25$

All: -40.561 ± 0.132 $\chi^2/\text{NDF}: 16413.4/49$

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.353+/-0.371 χ^2/NDF : 456.0/17

Left Out: 34.768+/-0.148 χ^2/NDF : 3677.3/24

Right Out: 33.119+/-0.379 χ^2/NDF : 779.0/19

Left In: 34.928+/-0.151 χ^2/NDF : 2688.4/22

Left: 34.846+/-0.106 χ^2/NDF : 6366.3/47

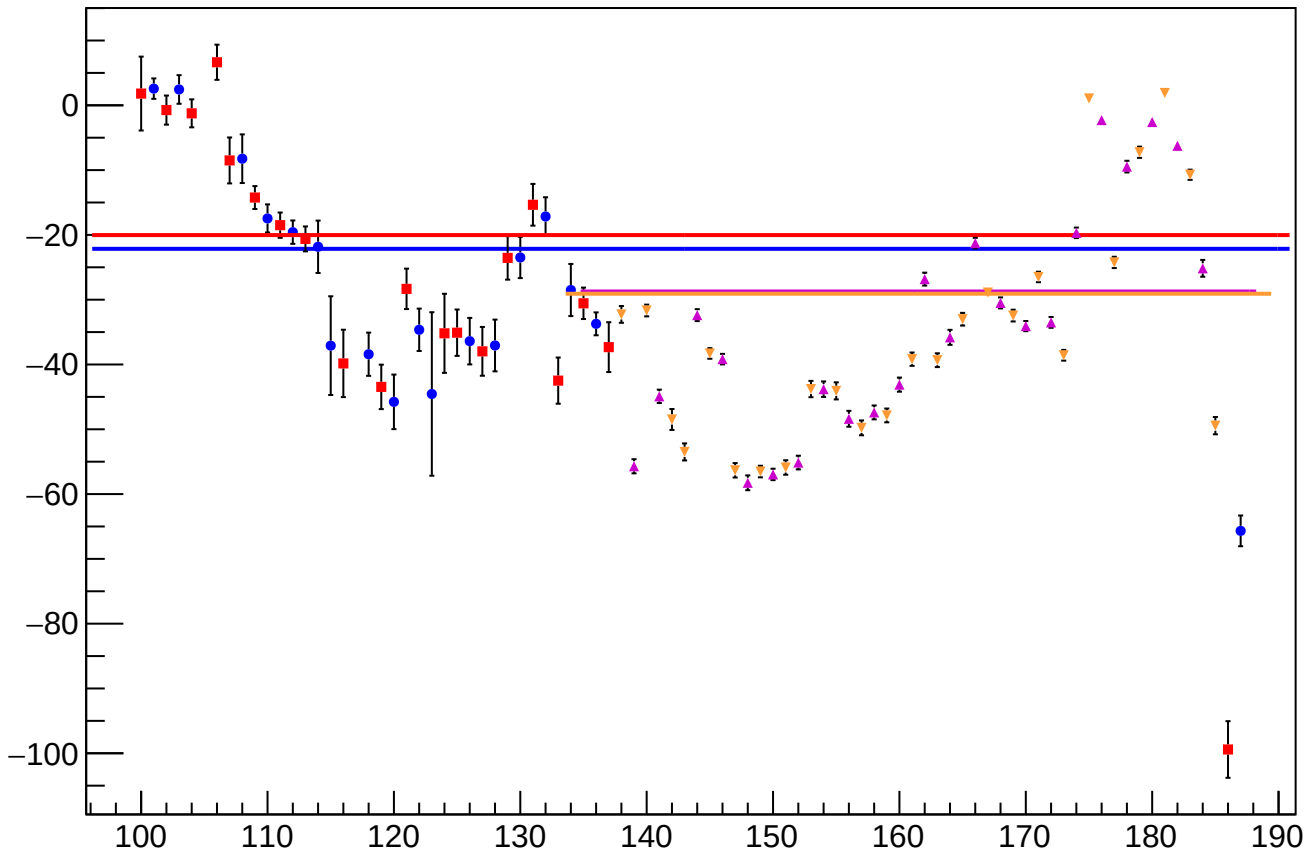
Right: 32.729+/-0.265 χ^2/NDF : 1237.1/37

In: 34.563+/-0.140 χ^2/NDF : 3185.7/40

Out: 34.550+/-0.138 χ^2/NDF : 4472.8/44

All: 34.556+/-0.098 χ^2/NDF : 7658.5/85

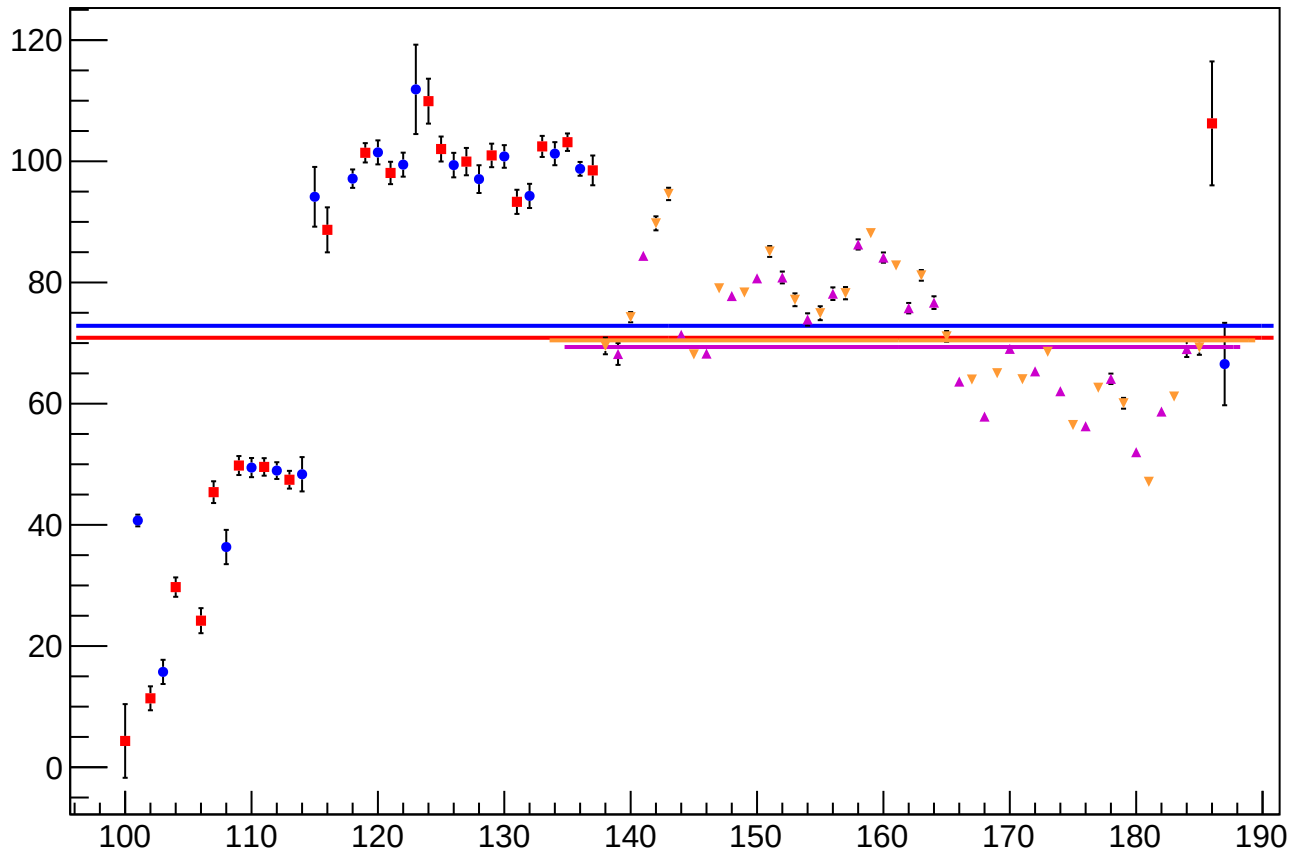
reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -22.149 ± 0.641 χ^2/NDF : 883.3/17
 Left Out: -29.080 ± 0.187 χ^2/NDF : 10059.5/24
 Right Out: -20.028 ± 0.637 χ^2/NDF : 809.9/19
 Left In: -28.735 ± 0.189 χ^2/NDF : 9155.5/22

Left: -28.909 ± 0.133 χ^2/NDF : 19216.6/47
 Right: -21.082 ± 0.452 χ^2/NDF : 1698.7/37
 In: -28.209 ± 0.181 χ^2/NDF : 10136.0/40
 Out: -28.359 ± 0.180 χ^2/NDF : 11055.4/44
 All: -28.285 ± 0.128 χ^2/NDF : 21191.8/85

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.850 $\pm$ 0.425 χ^2 /NDF: 4738.8/17

Left Out: 70.450 $\pm$ 0.167 χ^2 /NDF:4484.7/24

Right Out: 70.879 $\pm$ 0.433 χ^2 /NDF: 5501.3/19

Left In: 69.350 $\pm$ 0.170 χ^2 /NDF:3330.7/22

Left: 69.910 $\pm$ 0.119 χ^2 /NDF: 7836.8/47

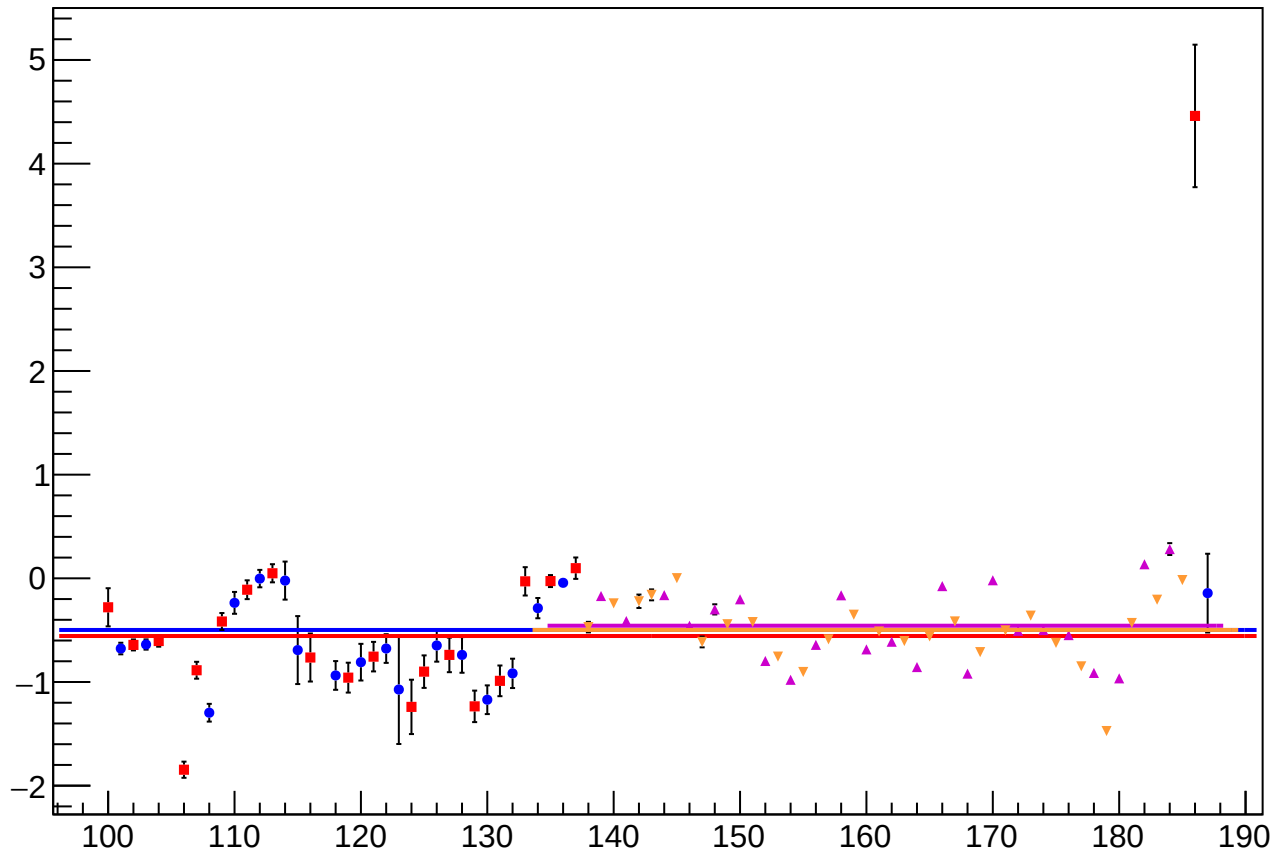
Right: 71.883 $\pm$ 0.303 χ^2 /NDF: 10250.6/37

In: 69.832 $\pm$ 0.158 χ^2 /NDF:8128.0/40

Out: 70.505 $\pm$ 0.155 χ^2 /NDF:9986.8/44

All: 70.173 $\pm$ 0.111 χ^2 /NDF: 18124.1/85

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 304.4/17

Left Out: -0.498 ± 0.008 χ^2/NDF : 1440.7/24

Right Out: -0.556 ± 0.021 χ^2/NDF : 615.7/19

Left In: -0.457 ± 0.008 χ^2/NDF : 1975.2/22

Left: -0.478 ± 0.005 χ^2/NDF : 3430.2/47

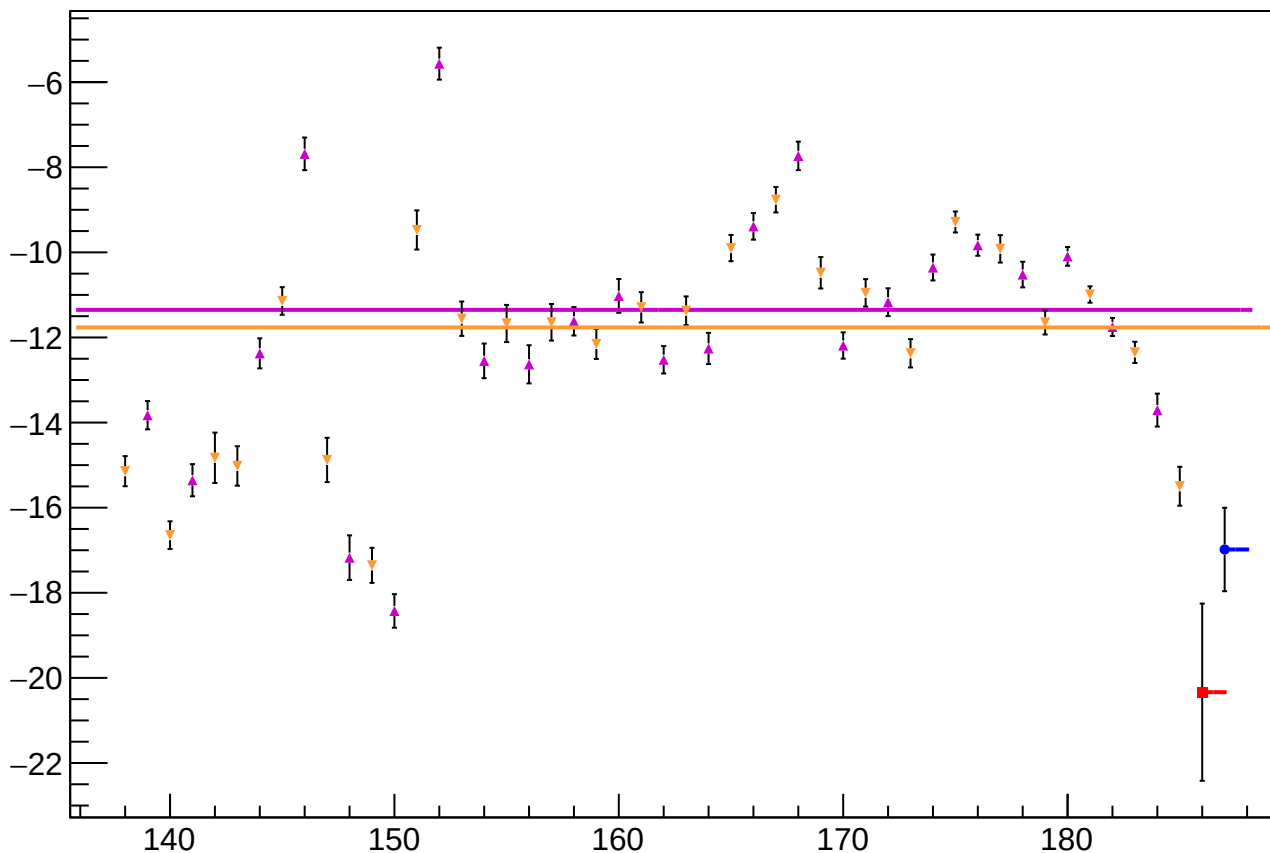
Right: -0.528 ± 0.015 χ^2/NDF : 923.6/37

In: -0.461 ± 0.007 χ^2/NDF : 2282.6/40

Out: -0.504 ± 0.007 χ^2/NDF : 2063.1/44

All: -0.483 ± 0.005 χ^2/NDF : 4363.4/85

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



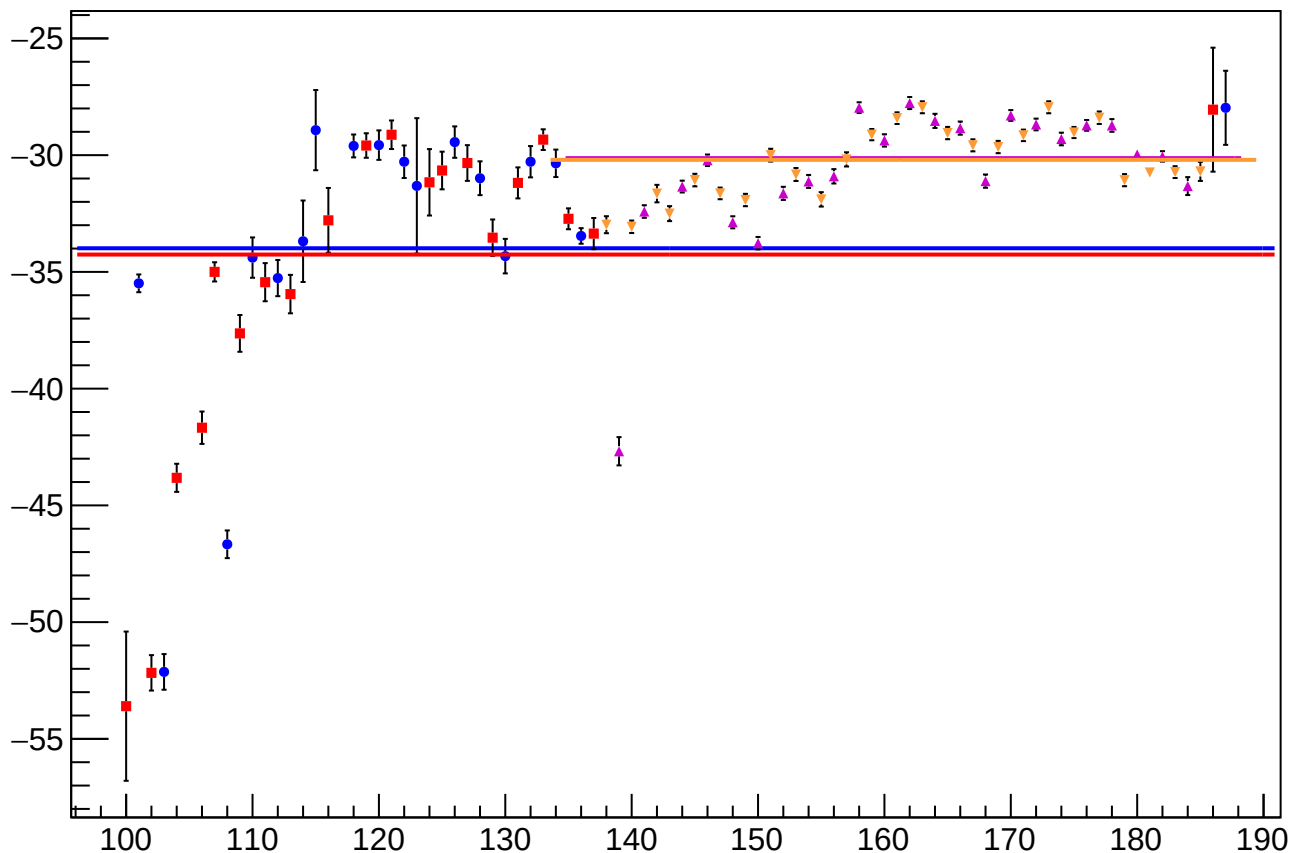
Right In: -16.982 $\pm$ 0.981 χ^2 /NDF: 0.0/0
 Left Out: -11.764 $\pm$ 0.067 χ^2 /NDF:1025.9/24
 Right Out: -20.336 $\pm$ 2.082 χ^2 /NDF: 0.0/0
 Left In: -11.352 $\pm$ 0.068 χ^2 /NDF:1280.6/22

Left: -11.561 $\pm$ 0.048 χ^2 /NDF: 2325.4/47
 Right: -17.591 $\pm$ 0.887 χ^2 /NDF: 2.1/1

In: -11.378 $\pm$ 0.068 χ^2 /NDF:1313.4/23
 Out: -11.773 $\pm$ 0.067 χ^2 /NDF:1042.8/25

All: -11.578 $\pm$ 0.047 χ^2 /NDF: 2373.5/49

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -33.987 ± 0.150 $\chi^2/\text{NDF}: 1355.3/17$

Left Out: -30.201 ± 0.054 $\chi^2/\text{NDF}: 725.7/24$

Right Out: -34.257 ± 0.151 $\chi^2/\text{NDF}: 1354.9/19$

Left In: -30.128 ± 0.055 $\chi^2/\text{NDF}: 1290.4/22$

Left: -30.165 ± 0.039 $\chi^2/\text{NDF}: 2017.0/47$

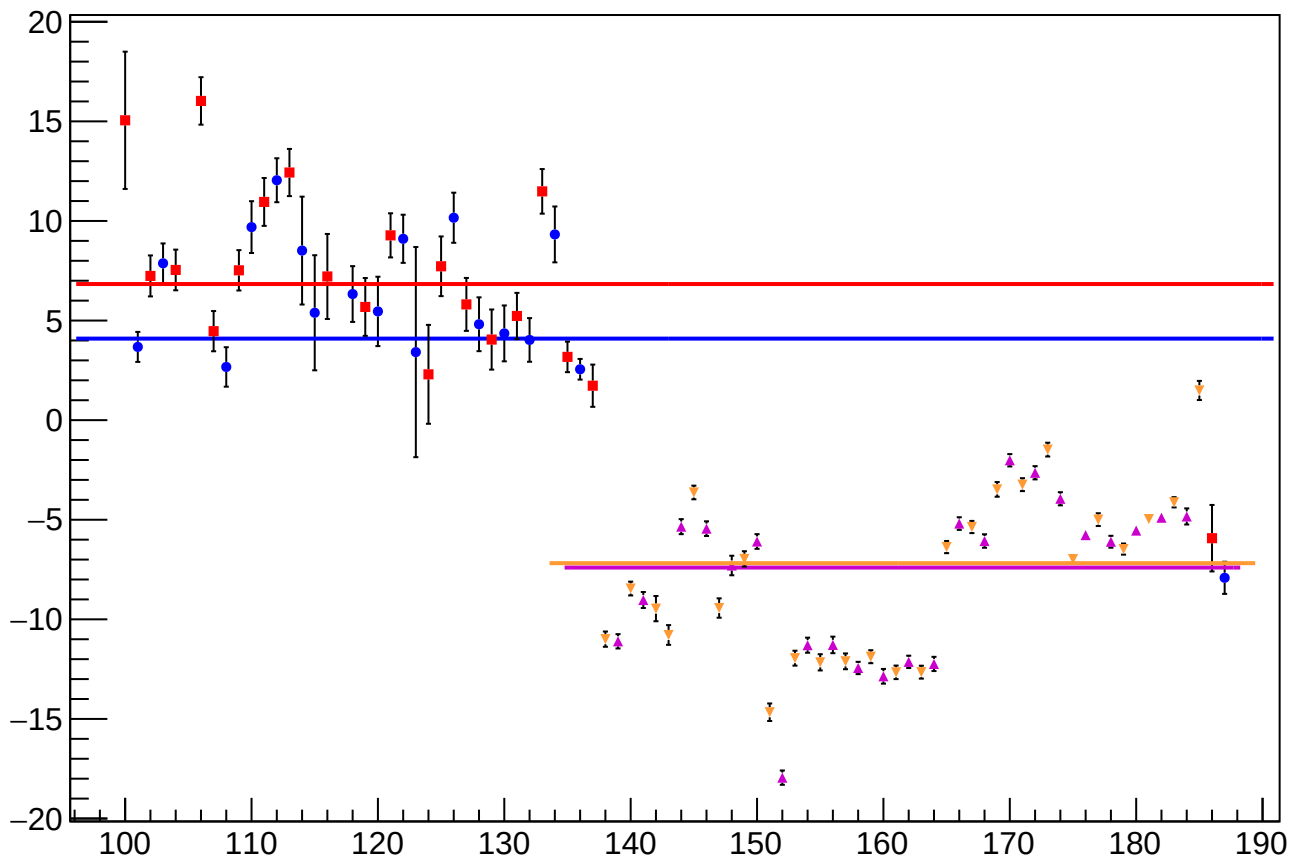
Right: -34.122 ± 0.106 $\chi^2/\text{NDF}: 2711.8/37$

In: -30.591 ± 0.052 $\chi^2/\text{NDF}: 3228.3/40$

Out: -30.663 ± 0.051 $\chi^2/\text{NDF}: 2723.5/44$

All: -30.627 ± 0.036 $\chi^2/\text{NDF}: 5952.8/85$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.094 ± 0.256 $\chi^2/\text{NDF}: 378.4/17$

Left Out: -7.180 ± 0.067 $\chi^2/\text{NDF}: 3015.8/24$

Right Out: 6.833 ± 0.271 $\chi^2/\text{NDF}: 242.6/19$

Left In: -7.400 ± 0.068 $\chi^2/\text{NDF}: 3134.9/22$

Left: -7.289 ± 0.048 $\chi^2/\text{NDF}: 6156.0/47$

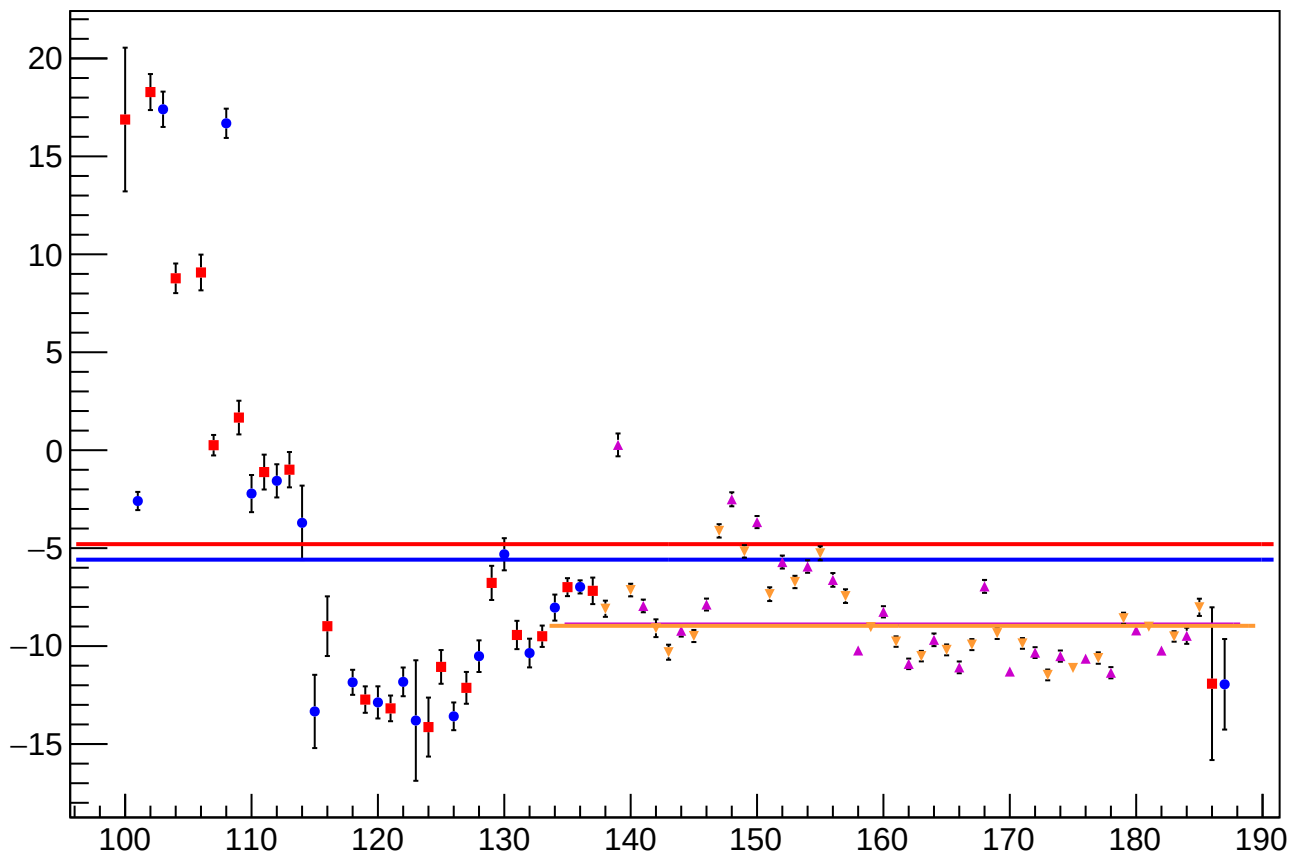
Right: 5.386 ± 0.186 $\chi^2/\text{NDF}: 675.2/37$

In: -6.650 ± 0.065 $\chi^2/\text{NDF}: 5402.4/40$

Out: -6.371 ± 0.065 $\chi^2/\text{NDF}: 5786.4/44$

All: -6.510 ± 0.046 $\chi^2/\text{NDF}: 11197.9/85$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.588 ± 0.169 χ^2/NDF : 2132.9/17

Left Out: -8.965 ± 0.060 χ^2/NDF : 876.6/24

Right Out: -4.796 ± 0.173 χ^2/NDF : 2043.7/19

Left In: -8.898 ± 0.061 χ^2/NDF : 1584.0/22

Left: -8.932 ± 0.043 χ^2/NDF : 2461.2/47

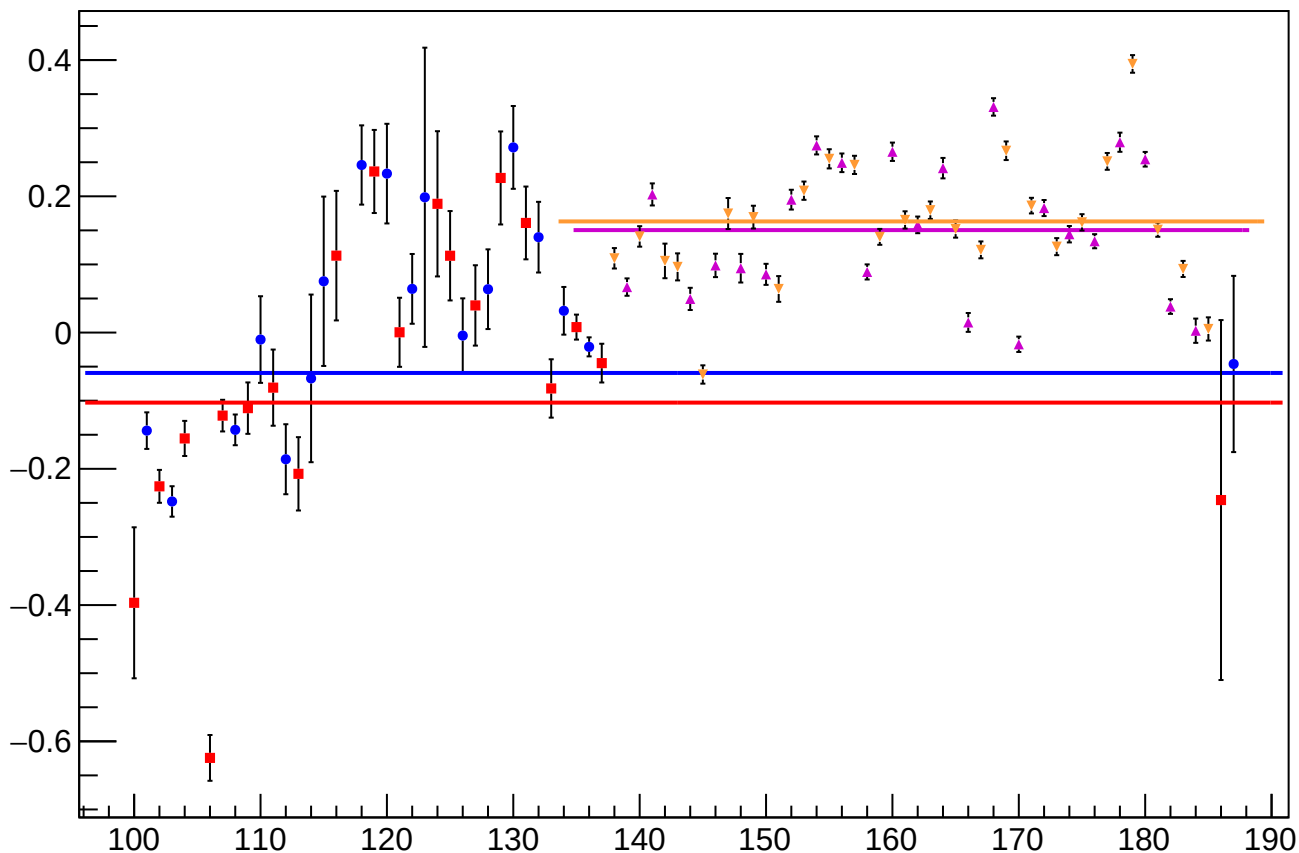
Right: -5.199 ± 0.121 χ^2/NDF : 4187.4/37

In: -8.512 ± 0.058 χ^2/NDF : 4054.2/40

Out: -8.512 ± 0.057 χ^2/NDF : 3440.1/44

All: -8.512 ± 0.041 χ^2/NDF : 7494.3/85

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.008 χ^2/NDF : 217.6/17

Left Out: 0.163 ± 0.003 χ^2/NDF : 1011.4/24

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.8/19

Left In: 0.150 ± 0.003 χ^2/NDF : 1296.5/22

Left: 0.157 ± 0.002 χ^2/NDF : 2318.7/47

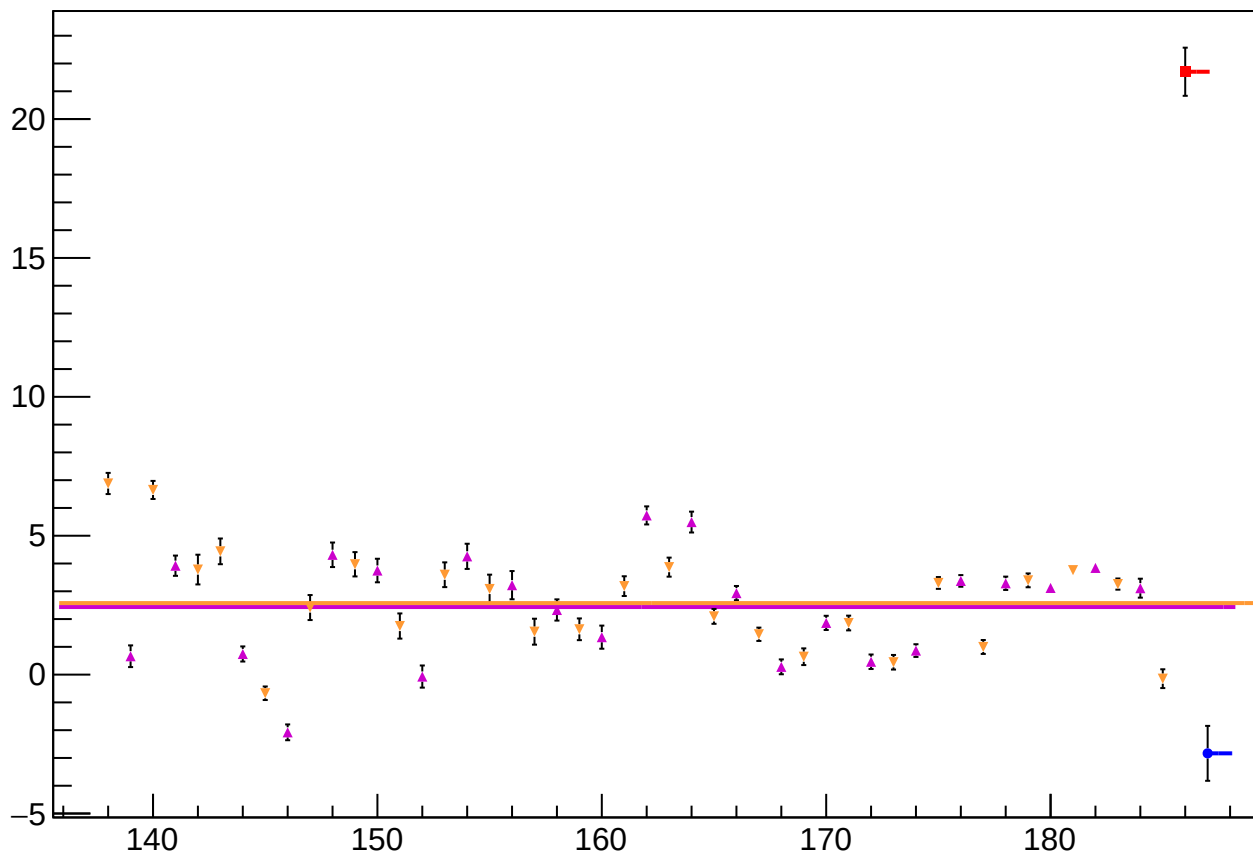
Right: -0.081 ± 0.006 χ^2/NDF : 666.8/37

In: 0.130 ± 0.003 χ^2/NDF : 2080.2/40

Out: 0.138 ± 0.003 χ^2/NDF : 2350.9/44

All: 0.134 ± 0.002 χ^2/NDF : 4435.6/85

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.834 ± 0.988 χ^2/NDF : 0.0/0

Left Out: 2.575 ± 0.058 χ^2/NDF : 868.1/24

Right Out: 21.703 ± 0.867 χ^2/NDF : 0.0/0

Left In: 2.433 ± 0.059 χ^2/NDF : 882.9/22

Left: 2.505 ± 0.042 χ^2/NDF : 1754.0/47

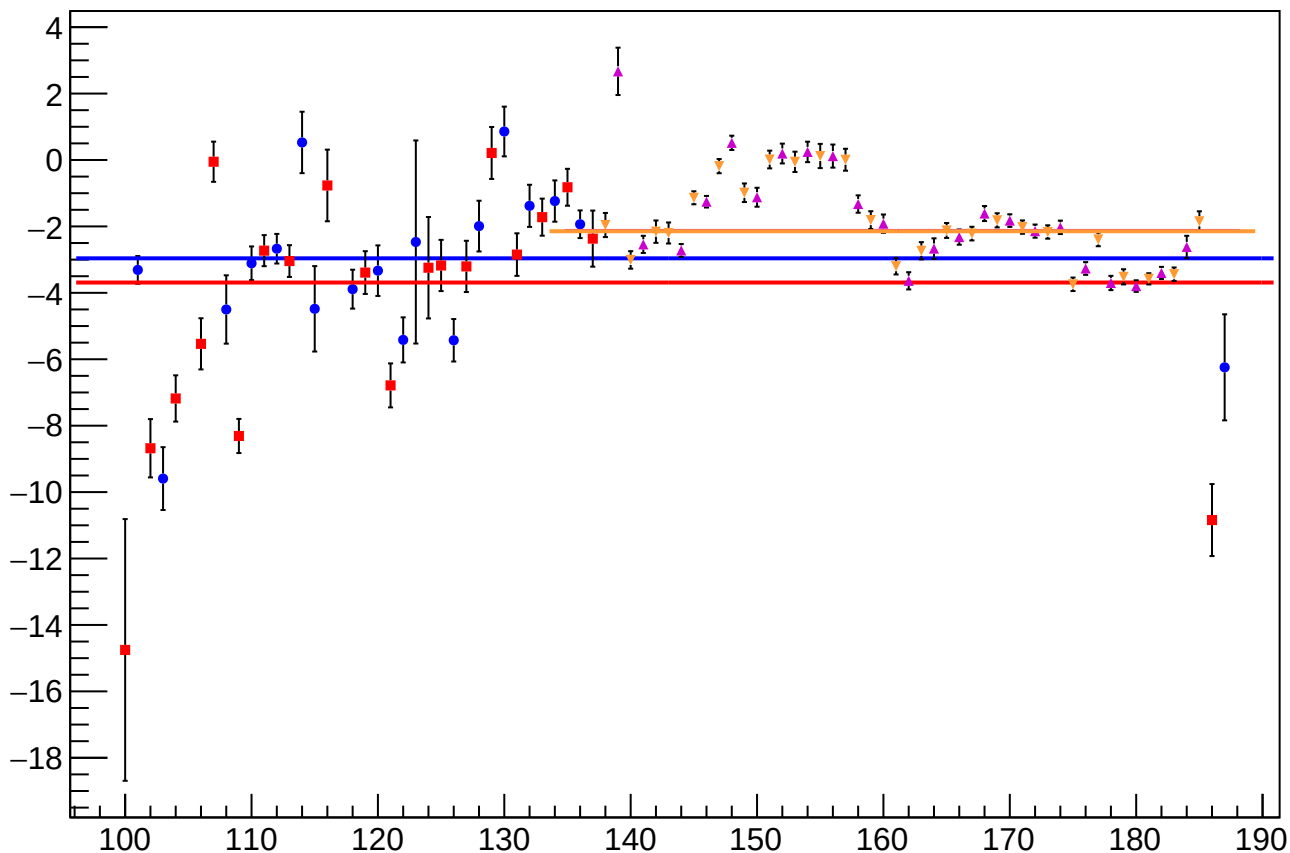
Right: 11.041 ± 0.652 χ^2/NDF : 348.5/1

In: 2.414 ± 0.059 χ^2/NDF : 911.2/23

Out: 2.662 ± 0.058 χ^2/NDF : 1353.2/25

All: 2.540 ± 0.041 χ^2/NDF : 2273.3/49

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.961 ± 0.153 χ^2/NDF : 150.8/17

Left Out: -2.145 ± 0.048 χ^2/NDF : 572.6/24

Right Out: -3.690 ± 0.153 χ^2/NDF : 336.1/19

Left In: -2.137 ± 0.048 χ^2/NDF : 693.6/22

Left: -2.141 ± 0.034 χ^2/NDF : 1266.1/47

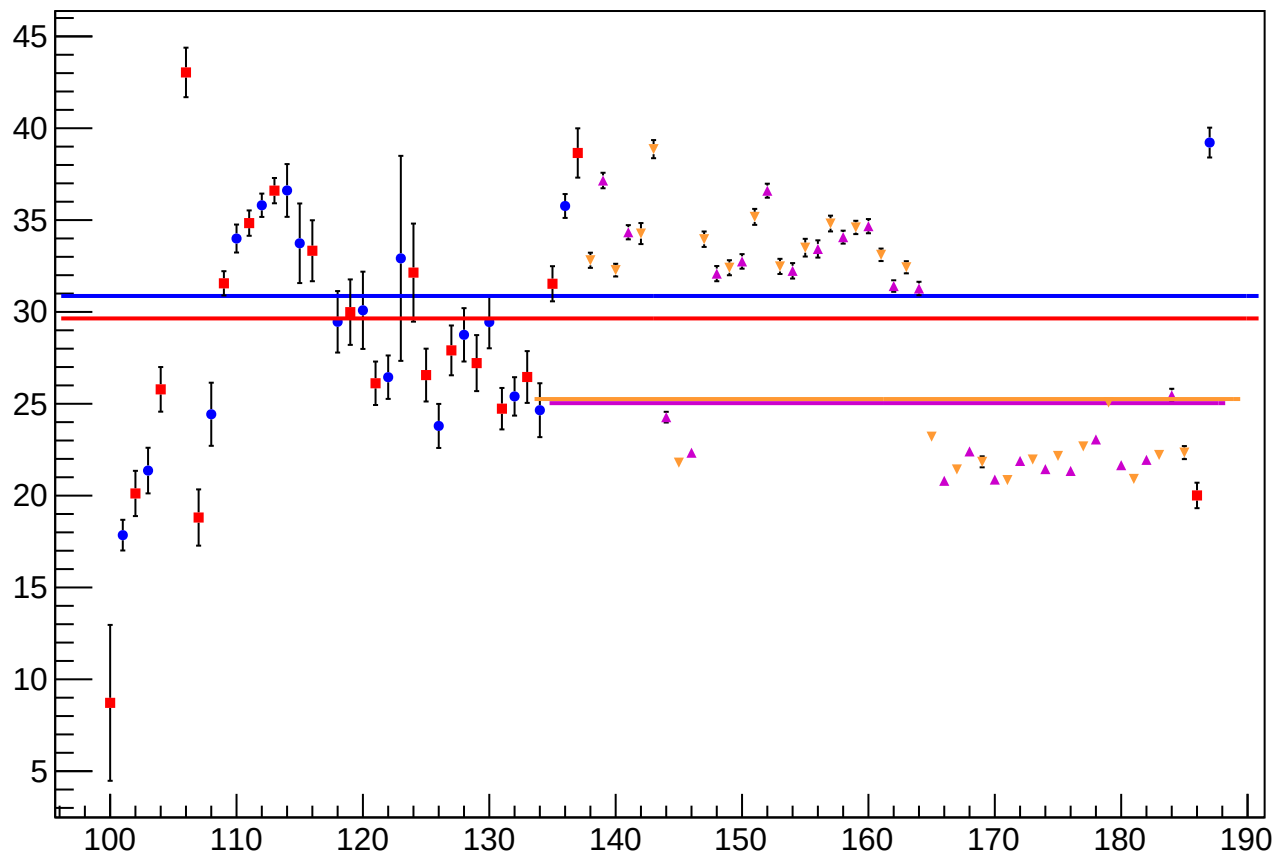
Right: -3.326 ± 0.108 χ^2/NDF : 498.2/37

In: -2.211 ± 0.046 χ^2/NDF : 870.7/40

Out: -2.281 ± 0.046 χ^2/NDF : 1001.5/44

All: -2.247 ± 0.032 χ^2/NDF : 1873.4/85

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 30.869 $\pm$ 0.253 χ^2 /NDF: 671.4/17

Left Out: 25.258 $\pm$ 0.059 χ^2 /NDF:8135.5/24

Right Out: 29.646 $\pm$ 0.243 χ^2 /NDF: 699.7/19

Left In: 25.034 $\pm$ 0.059 χ^2 /NDF:7690.0/22

Left: 25.147 $\pm$ 0.042 χ^2 /NDF: 15832.7/47

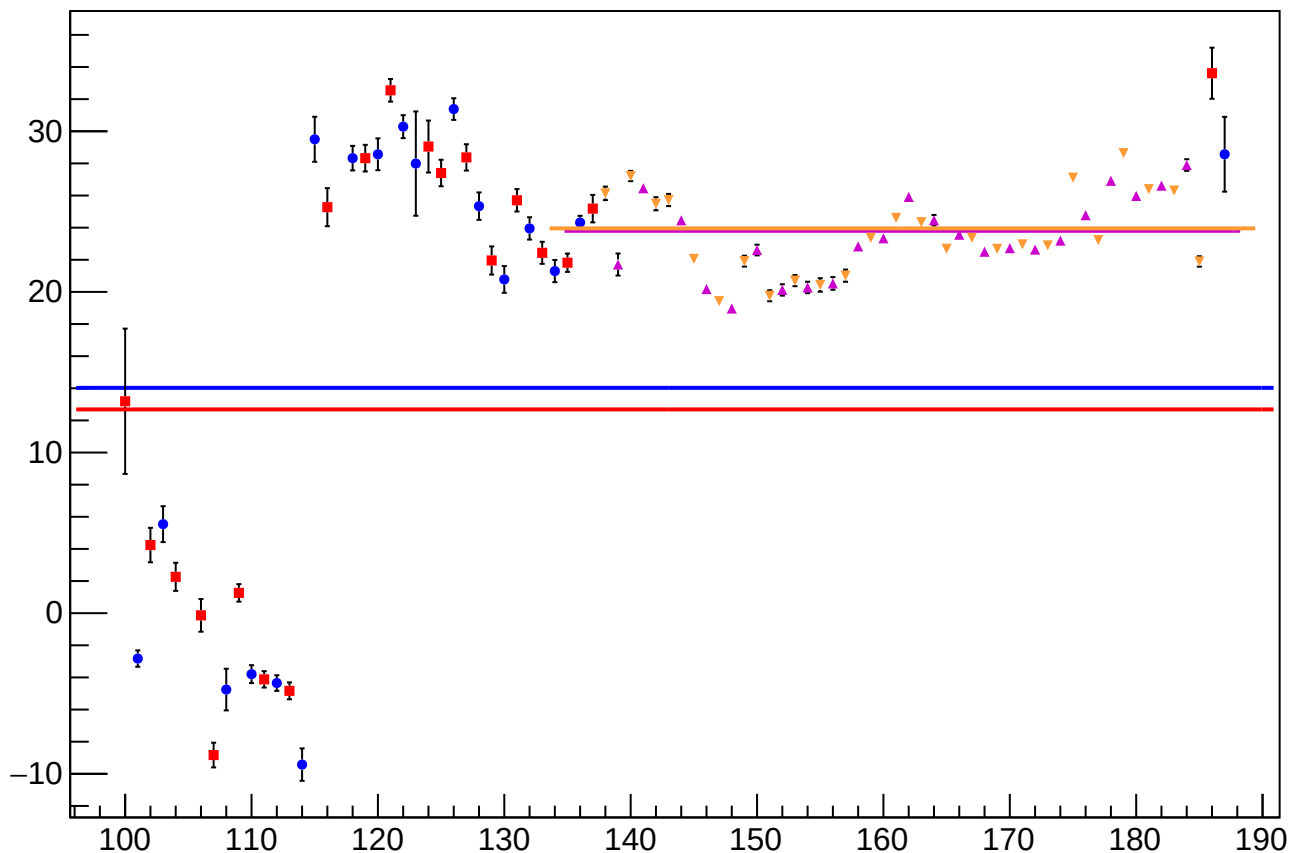
Right: 30.233 $\pm$ 0.176 χ^2 /NDF: 1383.2/37

In: 25.338 $\pm$ 0.058 χ^2 /NDF:8864.0/40

Out: 25.501 $\pm$ 0.057 χ^2 /NDF:9142.1/44

All: 25.420 $\pm$ 0.041 χ^2 /NDF: 18010.2/85

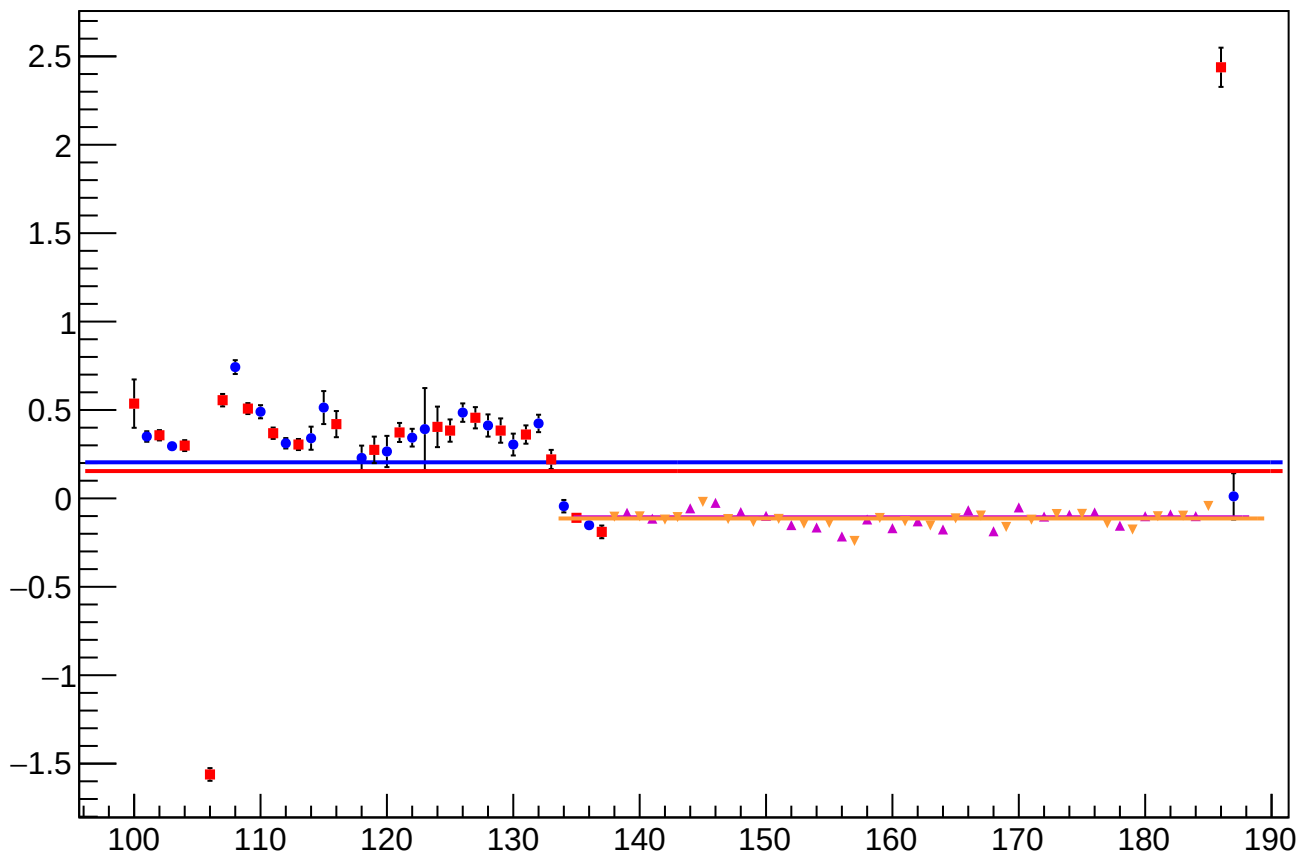
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.028 $\pm$ 0.171 χ^2 /NDF: 7431.1/17
 Left Out: 23.953 $\pm$ 0.053 χ^2 /NDF:1915.9/24
 Right Out: 12.684 $\pm$ 0.173 χ^2 /NDF: 7137.9/19
 Left In: 23.804 $\pm$ 0.054 χ^2 /NDF:1760.4/22

Left: 23.880 $\pm$ 0.038 χ^2 /NDF: 3680.1/47
 Right: 13.360 $\pm$ 0.122 χ^2 /NDF: 14599.5/37
 In: 22.926 $\pm$ 0.051 χ^2 /NDF:12149.6/40
 Out: 22.976 $\pm$ 0.051 χ^2 /NDF:12944.5/44
 All: 22.951 $\pm$ 0.036 χ^2 /NDF: 25094.6/85

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.204 ± 0.009 χ^2/NDF : 848.3/17

Left Out: -0.114 ± 0.002 χ^2/NDF : 290.8/24

Right Out: 0.155 ± 0.009 χ^2/NDF : 3443.3/19

Left In: -0.107 ± 0.002 χ^2/NDF : 322.0/22

Left: -0.110 ± 0.002 χ^2/NDF : 616.8/47

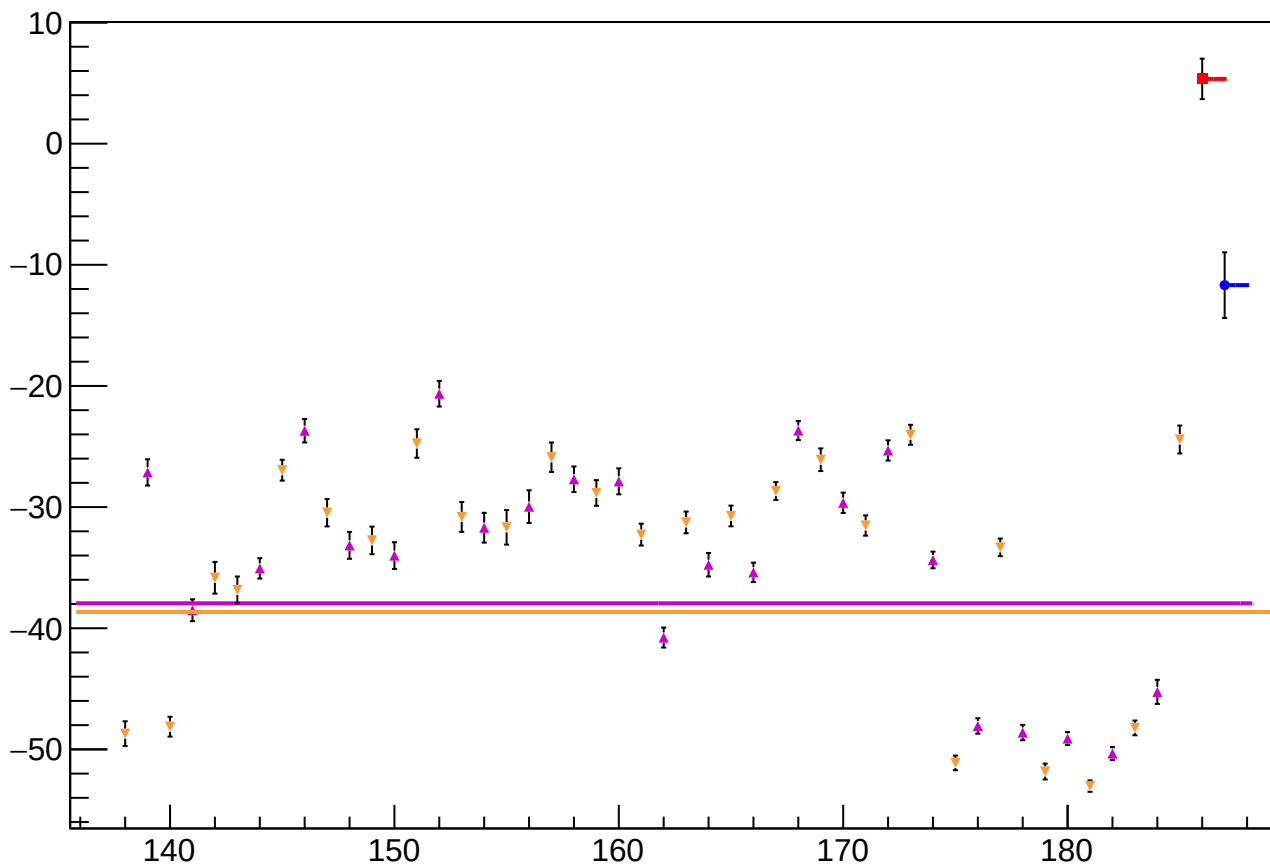
Right: 0.179 ± 0.007 χ^2/NDF : 4306.1/37

In: -0.087 ± 0.002 χ^2/NDF : 2207.0/40

Out: -0.096 ± 0.002 χ^2/NDF : 4533.8/44

All: -0.091 ± 0.002 χ^2/NDF : 6748.7/85

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -11.678 ± 2.711 χ^2/NDF : 0.0/0
 Left Out: -38.660 ± 0.169 χ^2/NDF : 4073.8/24
 Right Out: 5.346 ± 1.669 χ^2/NDF : 0.0/0
 Left In: -37.939 ± 0.173 χ^2/NDF : 3133.2/22

Left: -38.306 ± 0.121 χ^2/NDF : 7216.0/47

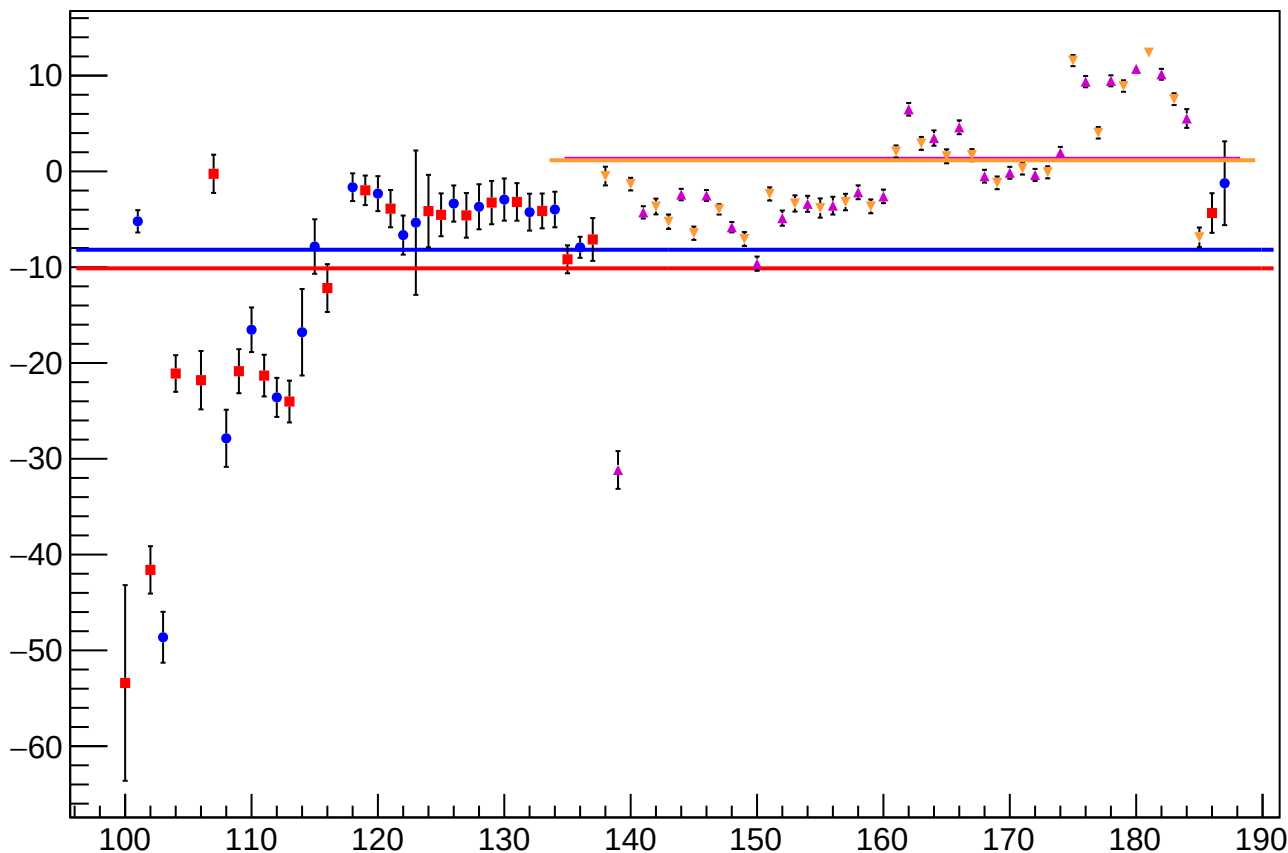
Right: 0.666 ± 1.421 χ^2/NDF : 28.6/1

In: -37.833 ± 0.172 χ^2/NDF : 3226.7/23

Out: -38.211 ± 0.168 χ^2/NDF : 4761.9/25

All: -38.027 ± 0.120 χ^2/NDF : 7991.0/49

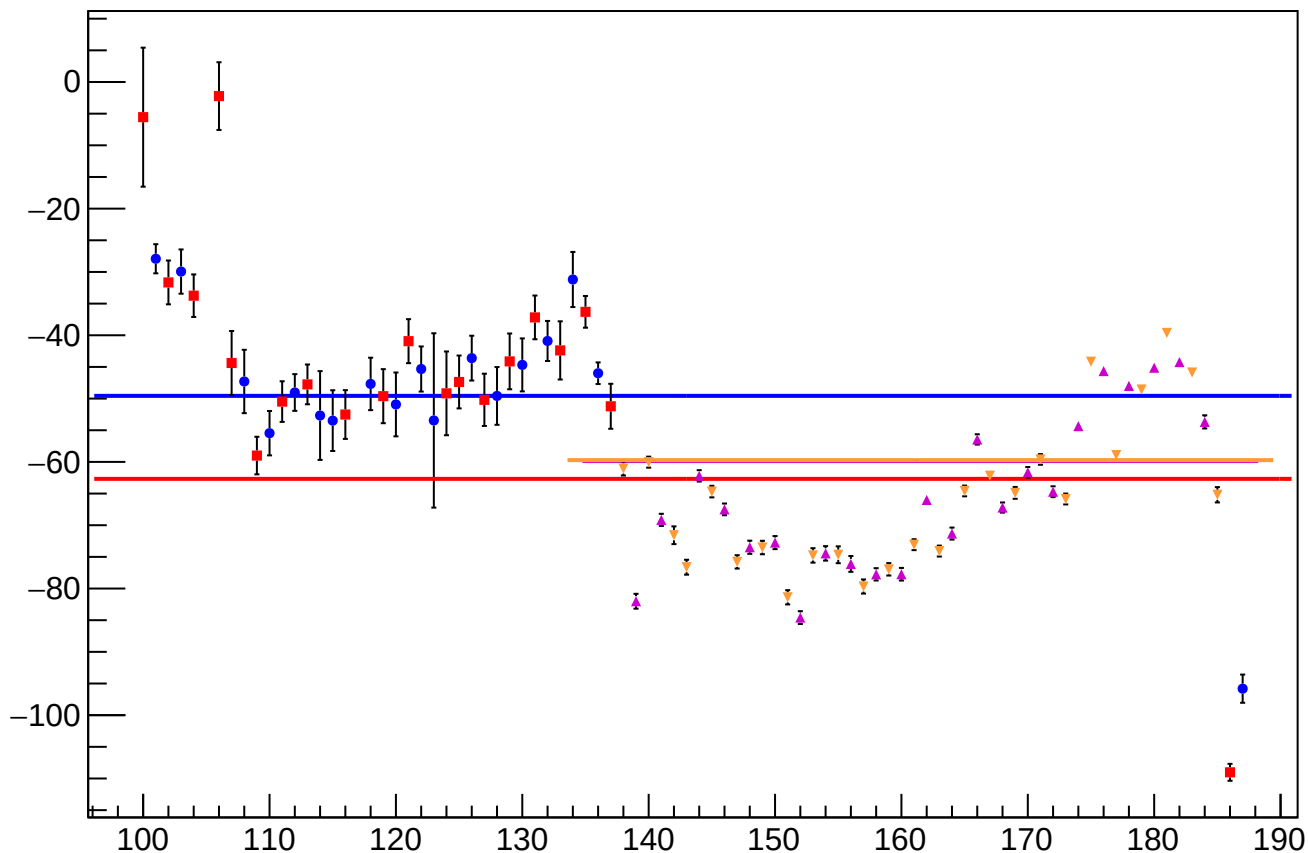
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.179 ± 0.460 $\chi^2/\text{NDF}: 414.7/17$
 Left Out: 1.163 ± 0.136 $\chi^2/\text{NDF}: 1786.1/24$
 Right Out: -10.121 ± 0.478 $\chi^2/\text{NDF}: 436.7/19$
 Left In: 1.319 ± 0.139 $\chi^2/\text{NDF}: 2080.7/22$

Left: 1.239 ± 0.097 $\chi^2/\text{NDF}: 3867.4/47$
 Right: -9.112 ± 0.331 $\chi^2/\text{NDF}: 859.9/37$
 In: 0.518 ± 0.133 $\chi^2/\text{NDF}: 2886.5/40$
 Out: 0.314 ± 0.131 $\chi^2/\text{NDF}: 2738.2/44$
 All: 0.414 ± 0.094 $\chi^2/\text{NDF}: 5625.8/85$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -49.569 ± 0.781 χ^2/NDF : 590.7/17

Left Out: -59.724 ± 0.170 χ^2/NDF : 5789.8/24

Right Out: -62.678 ± 0.727 χ^2/NDF : 1855.0/19

Left In: -59.864 ± 0.173 χ^2/NDF : 5275.1/22

Left: -59.793 ± 0.121 χ^2/NDF : 11065.1/47

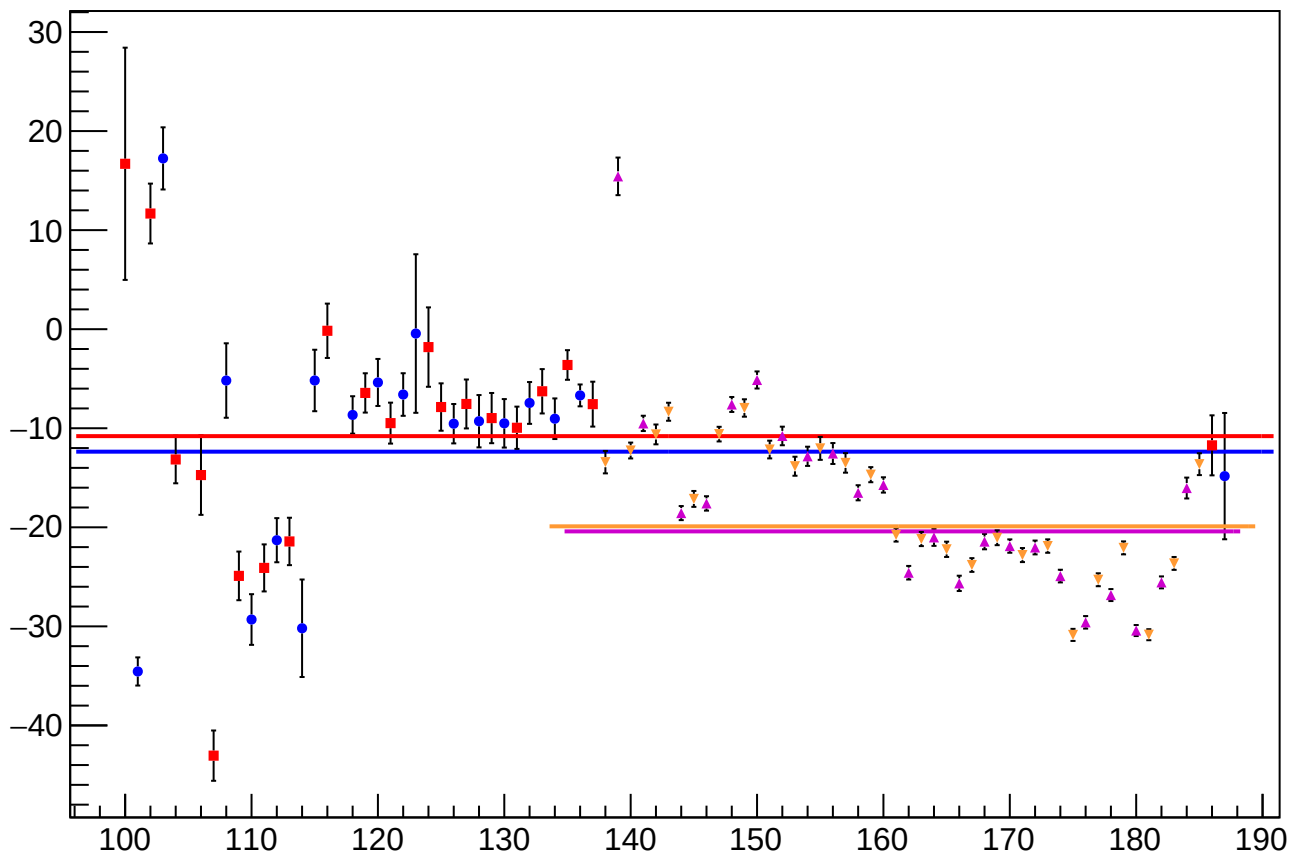
Right: -56.591 ± 0.532 χ^2/NDF : 2596.5/37

In: -59.385 ± 0.169 χ^2/NDF : 6031.3/40

Out: -59.878 ± 0.166 χ^2/NDF : 7660.4/44

All: -59.635 ± 0.118 χ^2/NDF : 13696.1/85

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.364 ± 0.518 $\chi^2/\text{NDF}: 476.1/17$

Left Out: -19.902 ± 0.153 $\chi^2/\text{NDF}: 1904.7/24$

Right Out: -10.796 ± 0.545 $\chi^2/\text{NDF}: 366.7/19$

Left In: -20.412 ± 0.156 $\chi^2/\text{NDF}: 2345.4/22$

Left: -20.152 ± 0.109 $\chi^2/\text{NDF}: 4255.5/47$

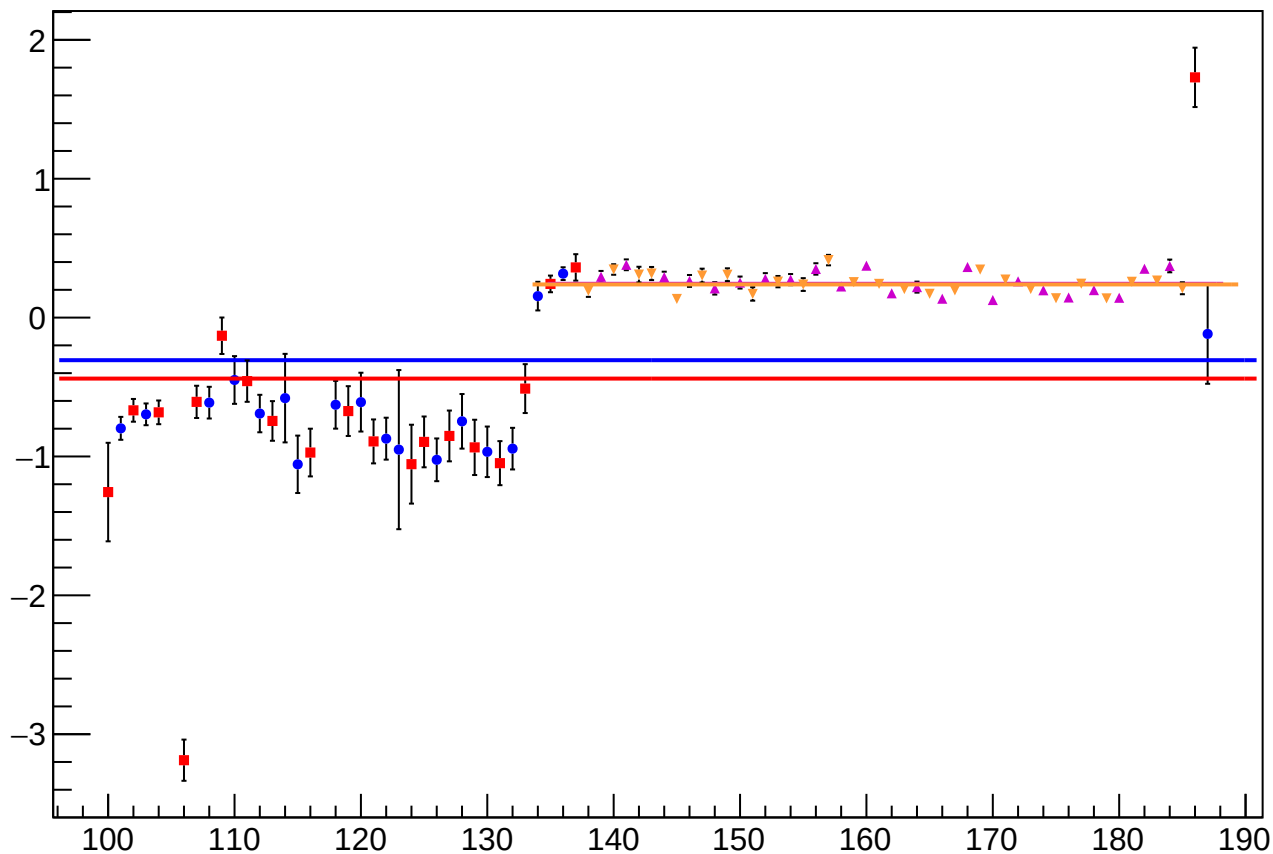
Right: -11.619 ± 0.375 $\chi^2/\text{NDF}: 847.2/37$

In: -19.741 ± 0.150 $\chi^2/\text{NDF}: 3042.8/40$

Out: -19.235 ± 0.147 $\chi^2/\text{NDF}: 2530.5/44$

All: -19.485 ± 0.105 $\chi^2/\text{NDF}: 5579.1/85$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.307 ± 0.027 χ^2/NDF : 372.7/17

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.5/24

Right Out: -0.439 ± 0.028 χ^2/NDF : 736.0/19

Left In: 0.243 ± 0.007 χ^2/NDF : 139.2/22

Left: 0.241 ± 0.005 χ^2/NDF : 232.9/47

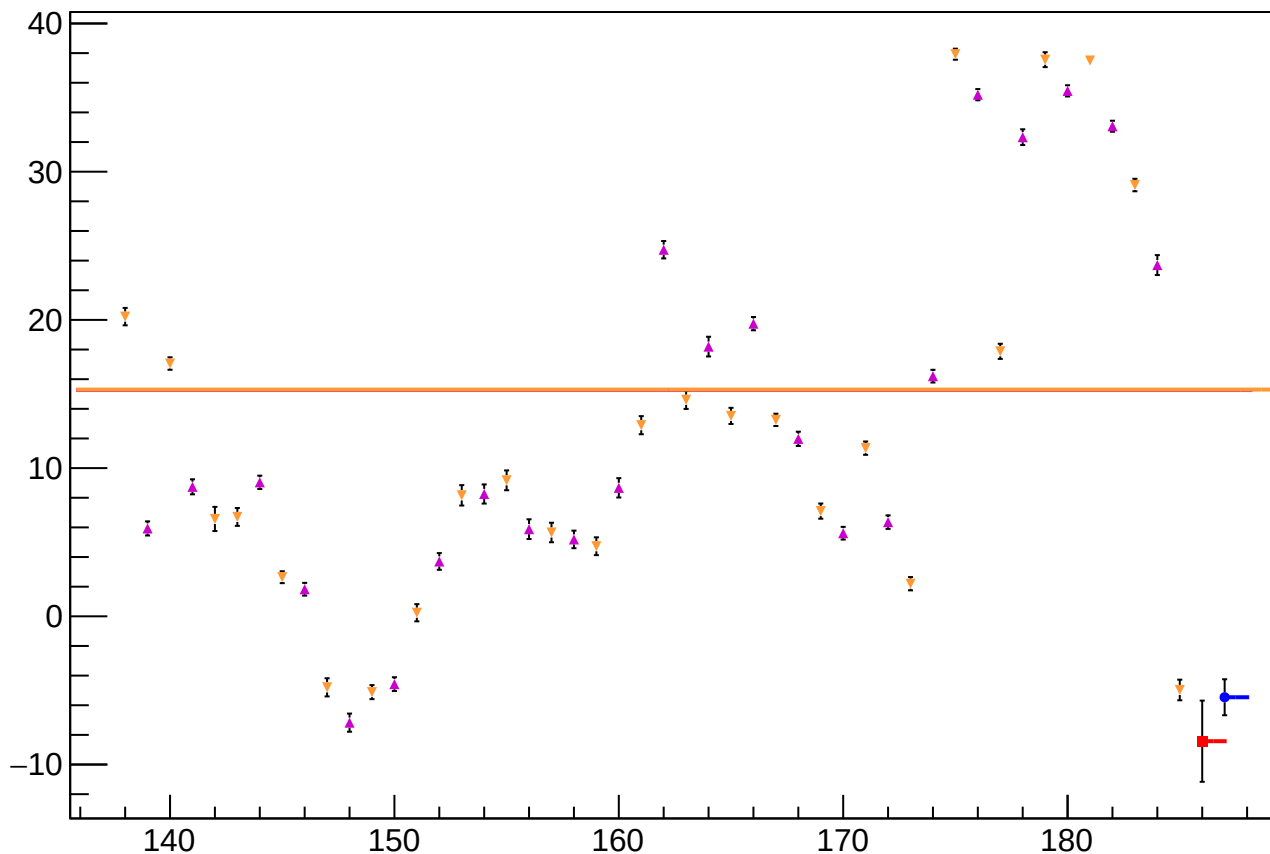
Right: -0.371 ± 0.020 χ^2/NDF : 1120.0/37

In: 0.208 ± 0.007 χ^2/NDF : 888.5/40

Out: 0.199 ± 0.007 χ^2/NDF : 1370.8/44

All: 0.204 ± 0.005 χ^2/NDF : 2260.2/85

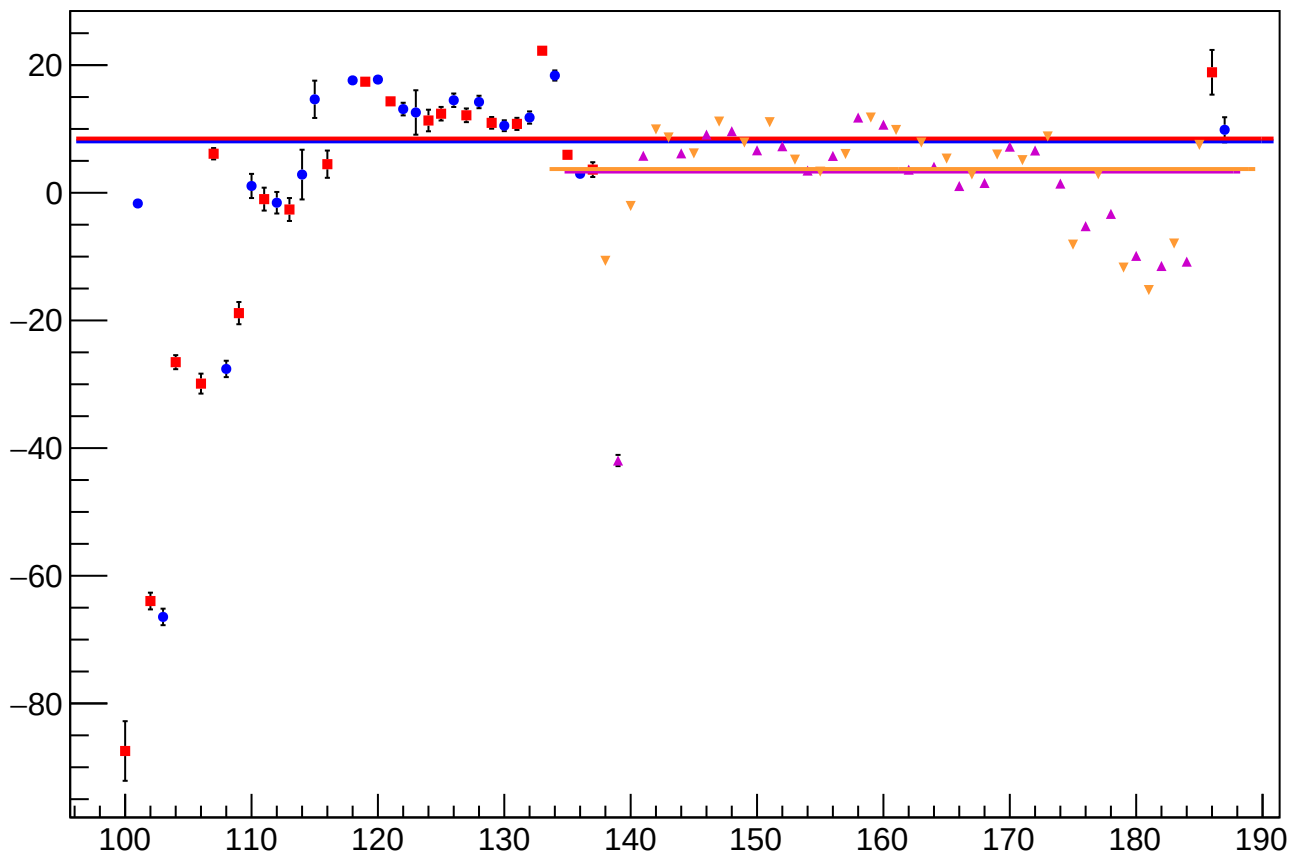
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.461 ± 1.214 χ^2/NDF : 0.0/0
 Left Out: 15.298 ± 0.101 χ^2/NDF : 19135.0/24
 Right Out: -8.426 ± 2.739 χ^2/NDF : 0.0/0
 Left In: 15.268 ± 0.102 χ^2/NDF : 16406.3/22

Left: 15.283 ± 0.072 χ^2/NDF : 35541.3/47
 Right: -5.948 ± 1.110 χ^2/NDF : 1.0/1
 In: 15.122 ± 0.102 χ^2/NDF : 16695.9/23
 Out: 15.266 ± 0.101 χ^2/NDF : 19210.0/25
 All: 15.195 ± 0.072 χ^2/NDF : 35906.8/49

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.057 ± 0.214 $\chi^2/\text{NDF}: 5370.3/17$

Left Out: 3.717 ± 0.079 $\chi^2/\text{NDF}: 9201.0/24$

Right Out: 8.493 ± 0.213 $\chi^2/\text{NDF}: 6713.2/19$

Left In: 3.327 ± 0.081 $\chi^2/\text{NDF}: 8830.5/22$

Left: 3.527 ± 0.057 $\chi^2/\text{NDF}: 18043.4/47$

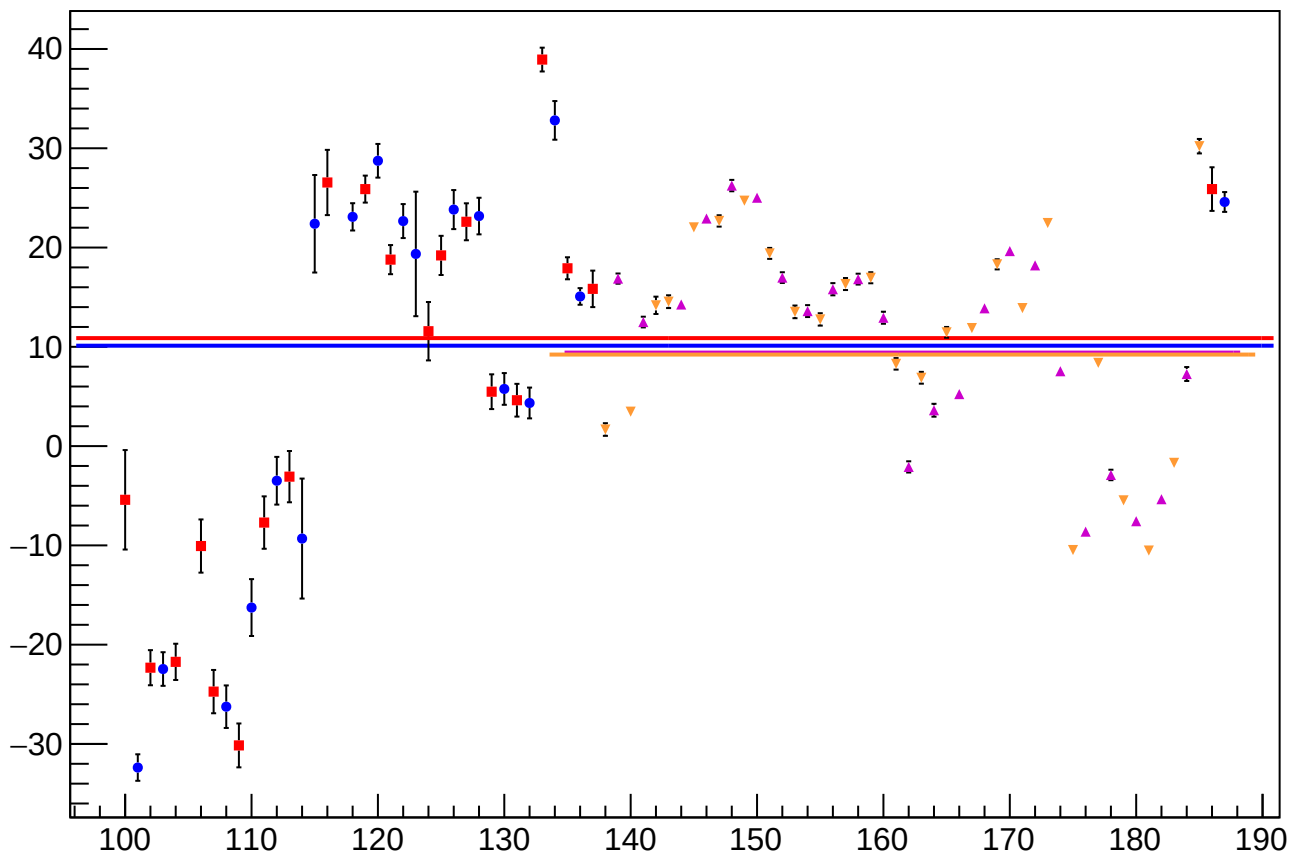
Right: 8.276 ± 0.151 $\chi^2/\text{NDF}: 12085.6/37$

In: 3.920 ± 0.076 $\chi^2/\text{NDF}: 14628.7/40$

Out: 4.294 ± 0.074 $\chi^2/\text{NDF}: 16356.3/44$

All: 4.111 ± 0.053 $\chi^2/\text{NDF}: 30997.5/85$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.114 $\pm$ 0.384 χ^2 /NDF: 2571.6/17

Left Out: 9.220 $\pm$ 0.101 χ^2 /NDF:13617.0/24

Right Out: 10.877 $\pm$ 0.409 χ^2 /NDF: 2330.2/19

Left In: 9.420 $\pm$ 0.102 χ^2 /NDF:12078.1/22

Left: 9.319 $\pm$ 0.072 χ^2 /NDF: 25697.1/47

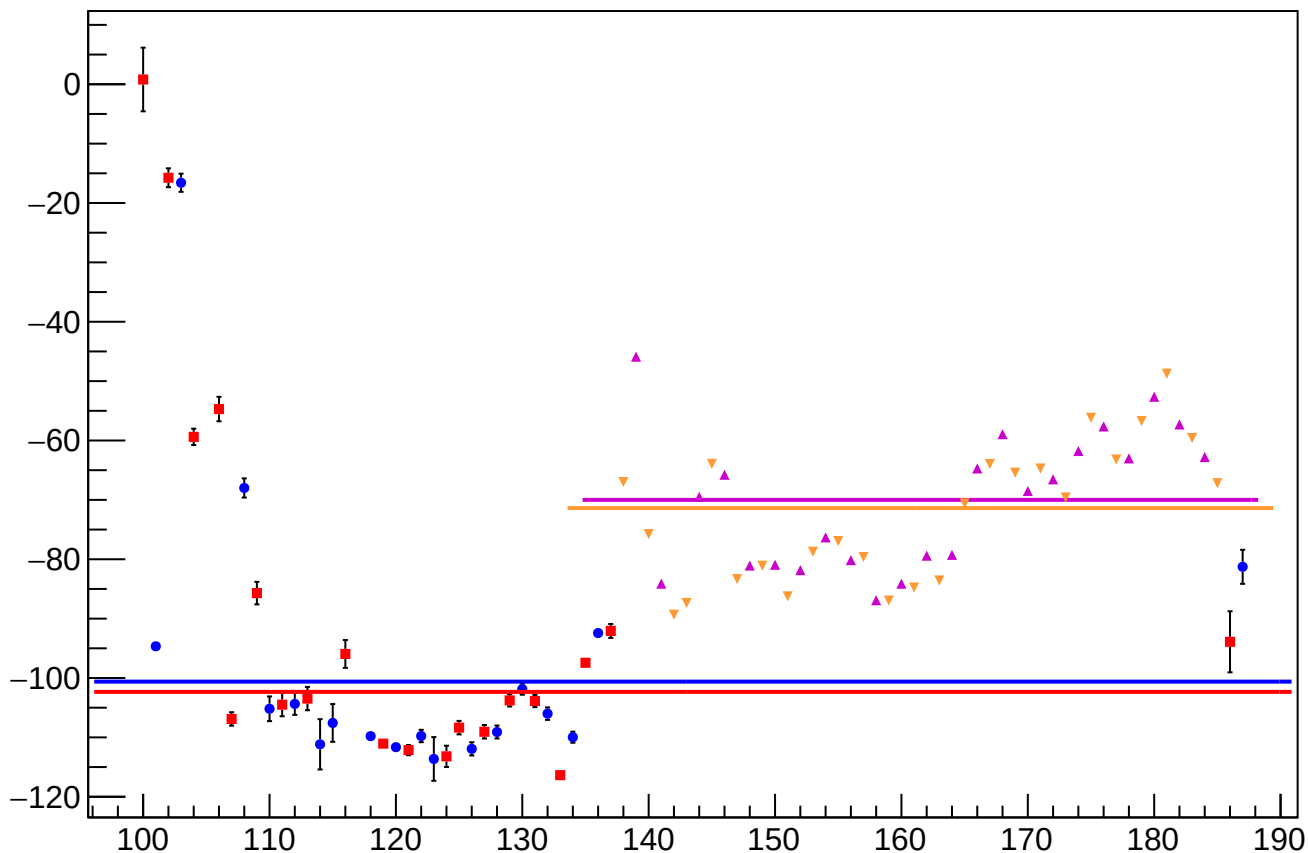
Right: 10.471 $\pm$ 0.280 χ^2 /NDF: 4903.7/37

In: 9.466 $\pm$ 0.099 χ^2 /NDF:14652.8/40

Out: 9.316 $\pm$ 0.098 χ^2 /NDF:15962.6/44

All: 9.390 $\pm$ 0.070 χ^2 /NDF: 30616.7/85

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.608+/-0.247 χ^2/NDF : 4568.5/17

Left Out: -71.379+/-0.089 χ^2/NDF :16226.2/24

Right Out: -102.335+/-0.246 χ^2/NDF : 6081.6/19

Left In: -69.999+/-0.091 χ^2/NDF :13188.0/22

Left: -70.704+/-0.064 χ^2/NDF : 29530.5/47

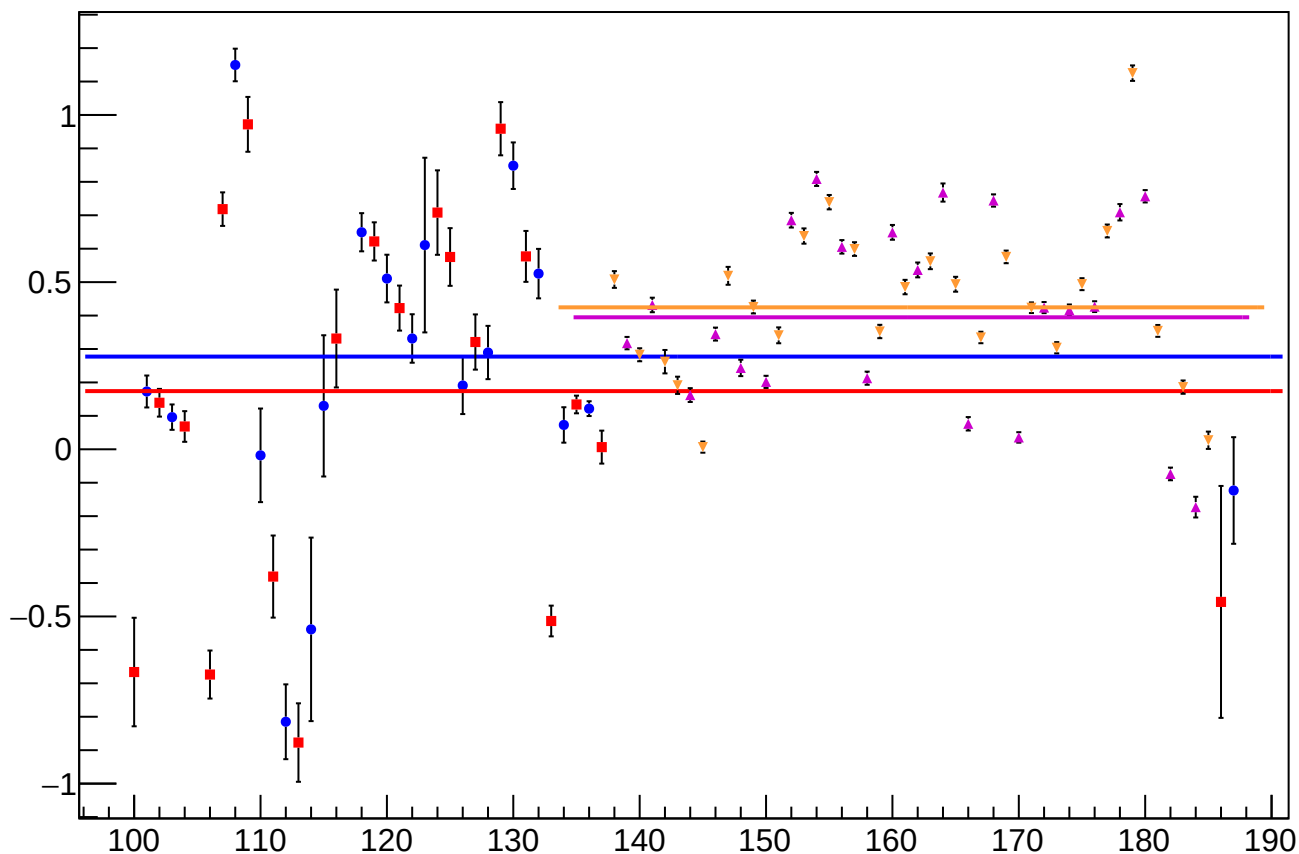
Right: -101.475+/-0.174 χ^2/NDF : 10674.6/37

In: -73.684+/-0.086 χ^2/NDF :31255.5/40

Out: -74.998+/-0.084 χ^2/NDF :36297.9/44

All: -74.353+/-0.060 χ^2/NDF : 67673.2/85

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.277 ± 0.013 χ^2/NDF : 662.3/17

Left Out: 0.425 ± 0.004 χ^2/NDF : 2866.9/24

Right Out: 0.174 ± 0.013 χ^2/NDF : 970.0/19

Left In: 0.395 ± 0.004 χ^2/NDF : 4063.1/22

Left: 0.410 ± 0.003 χ^2/NDF : 6956.2/47

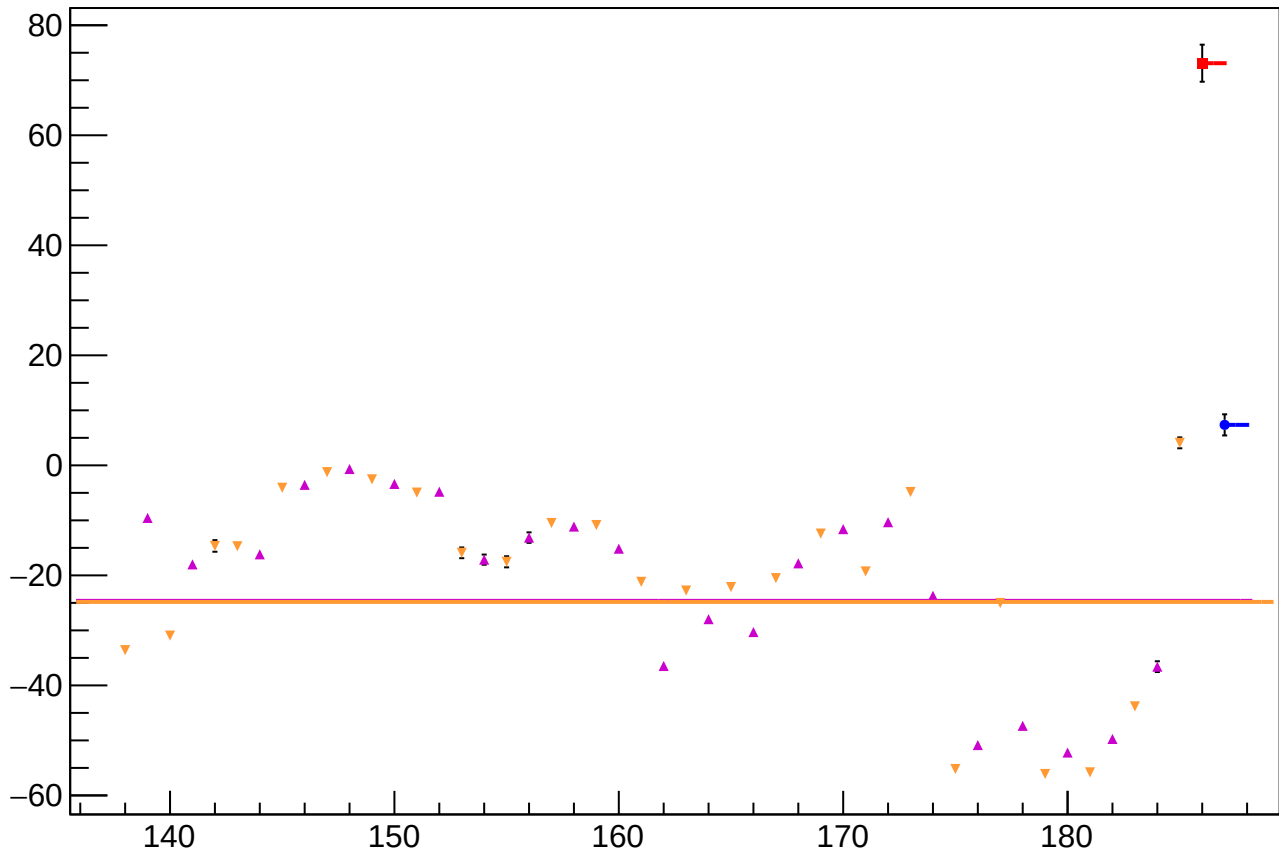
Right: 0.226 ± 0.009 χ^2/NDF : 1661.9/37

In: 0.385 ± 0.004 χ^2/NDF : 4795.5/40

Out: 0.403 ± 0.004 χ^2/NDF : 4155.1/44

All: 0.394 ± 0.003 χ^2/NDF : 8961.8/85

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 7.358+/-1.920 χ^2/NDF : 0.0/0

Left Out: -24.824+/-0.140 χ^2/NDF :18274.6/24

Right Out: 73.101+/-3.369 χ^2/NDF : 0.0/0

Left In: -24.635+/-0.142 χ^2/NDF :14947.9/22

Left: -24.731+/-0.100 χ^2/NDF : 33223.4/47

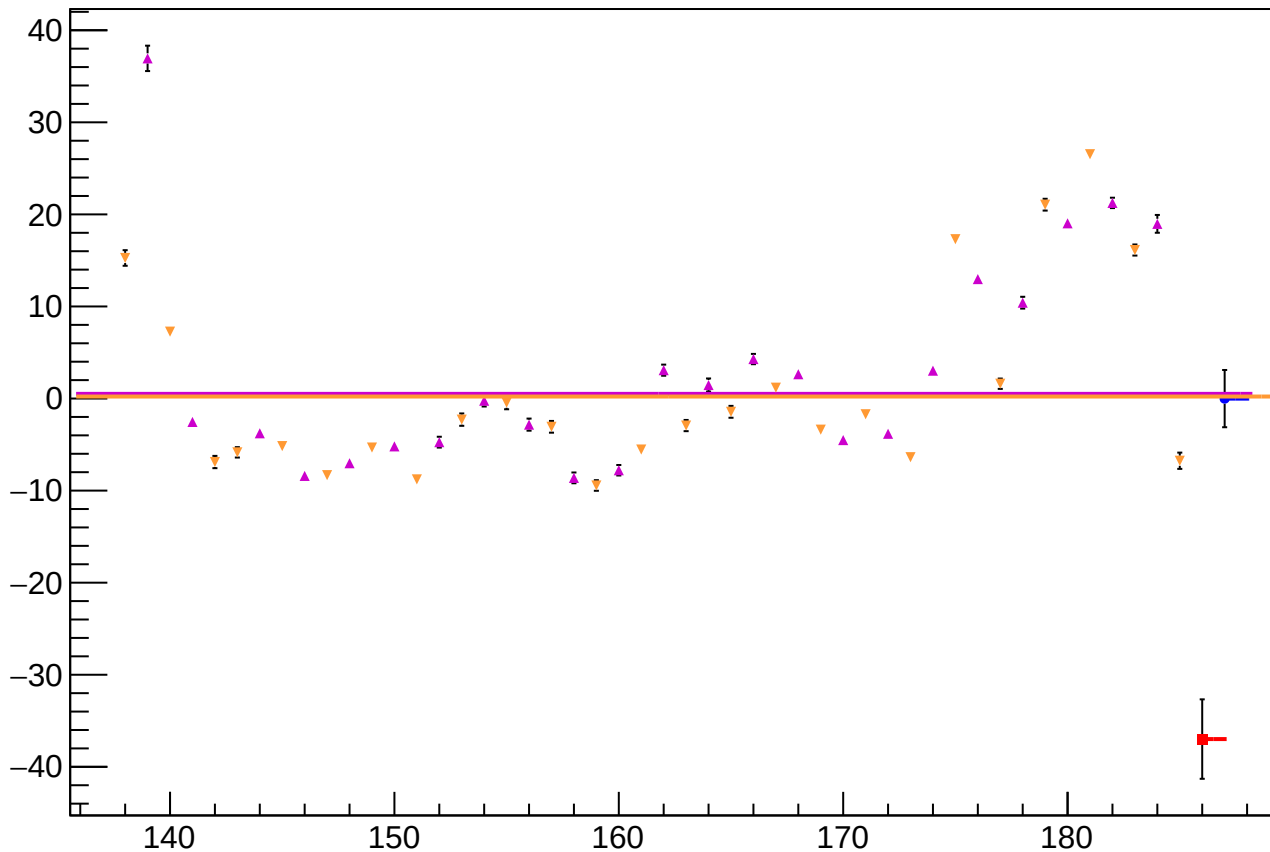
Right: 23.481+/-1.668 χ^2/NDF : 287.5/1

In: -24.461+/-0.142 χ^2/NDF :15223.9/23

Out: -24.656+/-0.140 χ^2/NDF :19118.2/25

All: -24.560+/-0.099 χ^2/NDF : 34343.1/49

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.009 ± 3.109 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 0.218 ± 0.109 $\chi^2/\text{NDF}: 8252.6/24$

Right Out: -36.986 ± 4.315 $\chi^2/\text{NDF}: 0.0/0$

Left In: 0.507 ± 0.112 $\chi^2/\text{NDF}: 6626.9/22$

Left: 0.358 ± 0.078 $\chi^2/\text{NDF}: 14883.0/47$

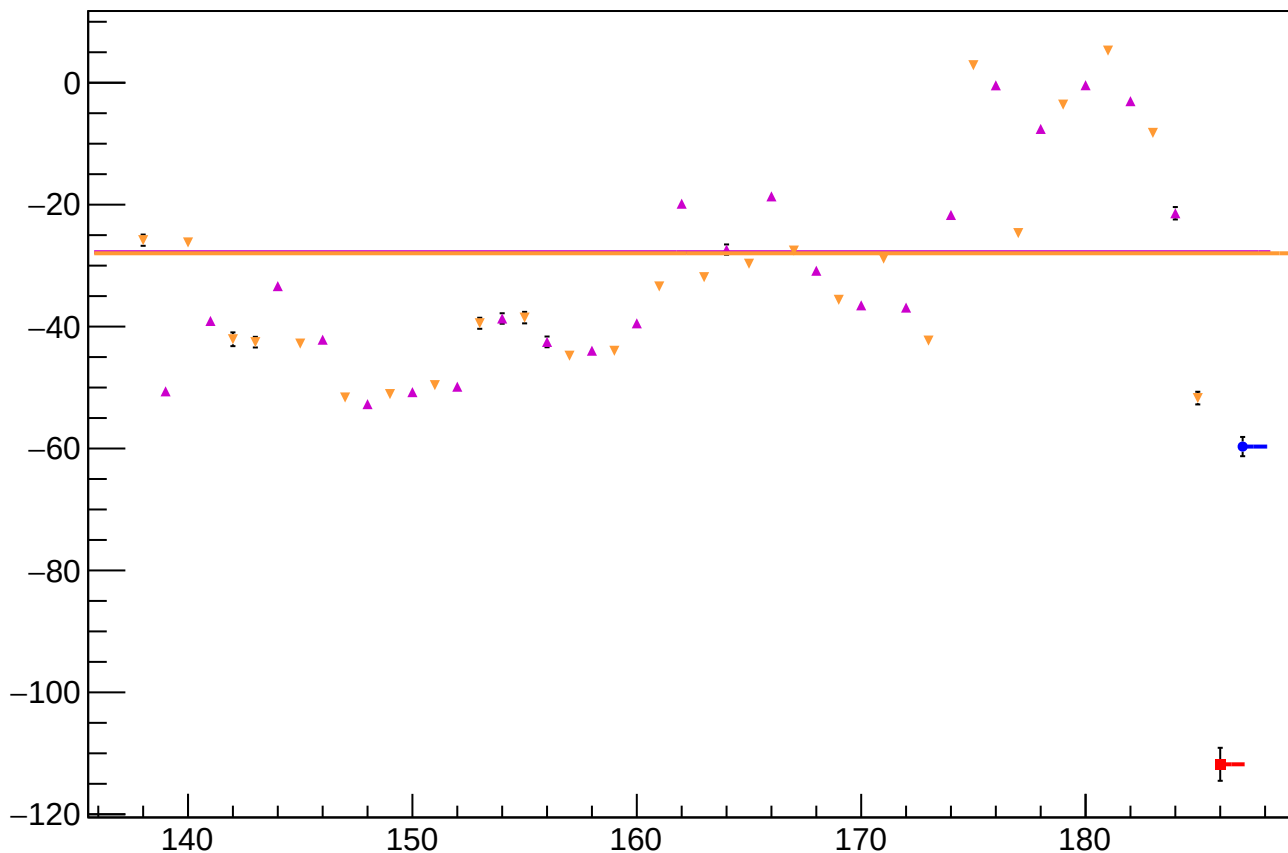
Right: -12.645 ± 2.522 $\chi^2/\text{NDF}: 48.4/1$

In: 0.506 ± 0.112 $\chi^2/\text{NDF}: 6626.9/23$

Out: 0.194 ± 0.109 $\chi^2/\text{NDF}: 8326.9/25$

All: 0.346 ± 0.078 $\chi^2/\text{NDF}: 14957.9/49$

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.683 $\pm$ 1.579 χ^2 /NDF: 0.0/0

Left Out: -27.977 $\pm$ 0.140 χ^2 /NDF:17079.0/24

Right Out: -111.801 $\pm$ 2.706 χ^2 /NDF: 0.0/0

Left In: -27.796 $\pm$ 0.142 χ^2 /NDF:15193.3/22

Left: -27.888 $\pm$ 0.100 χ^2 /NDF: 32273.2/47

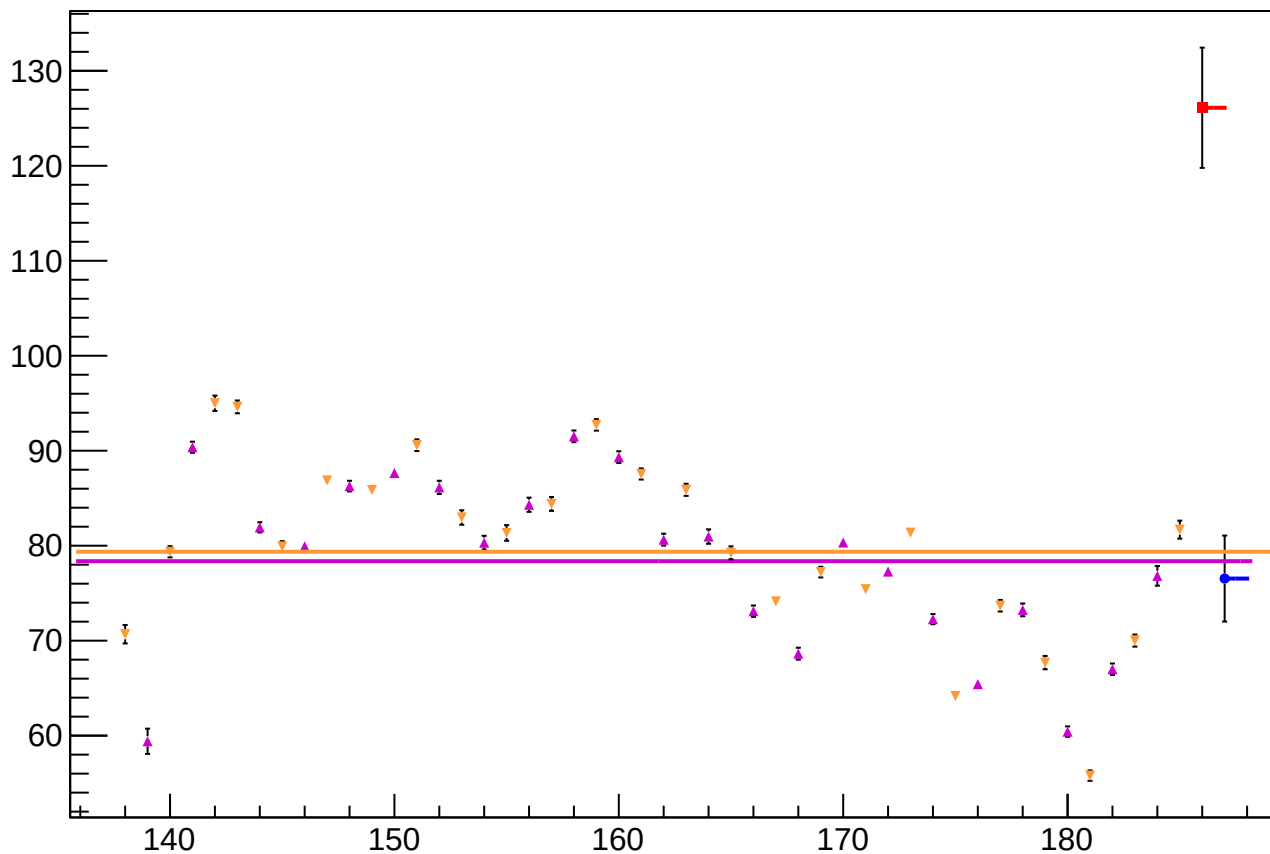
Right: -72.924 $\pm$ 1.364 χ^2 /NDF: 276.8/1

In: -28.051 $\pm$ 0.141 χ^2 /NDF:15597.8/23

Out: -28.201 $\pm$ 0.140 χ^2 /NDF:18036.4/25

All: -28.127 $\pm$ 0.099 χ^2 /NDF: 33634.8/49

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 76.539 $\pm$ 4.529 χ^2 /NDF: 0.0/0

Left Out: 79.364 $\pm$ 0.123 χ^2 /NDF:5966.3/24

Right Out: 126.108 $\pm$ 6.329 χ^2 /NDF: 0.0/0

Left In: 78.367 $\pm$ 0.126 χ^2 /NDF:4735.5/22

Left: 78.877 $\pm$ 0.088 χ^2 /NDF: 10733.6/47

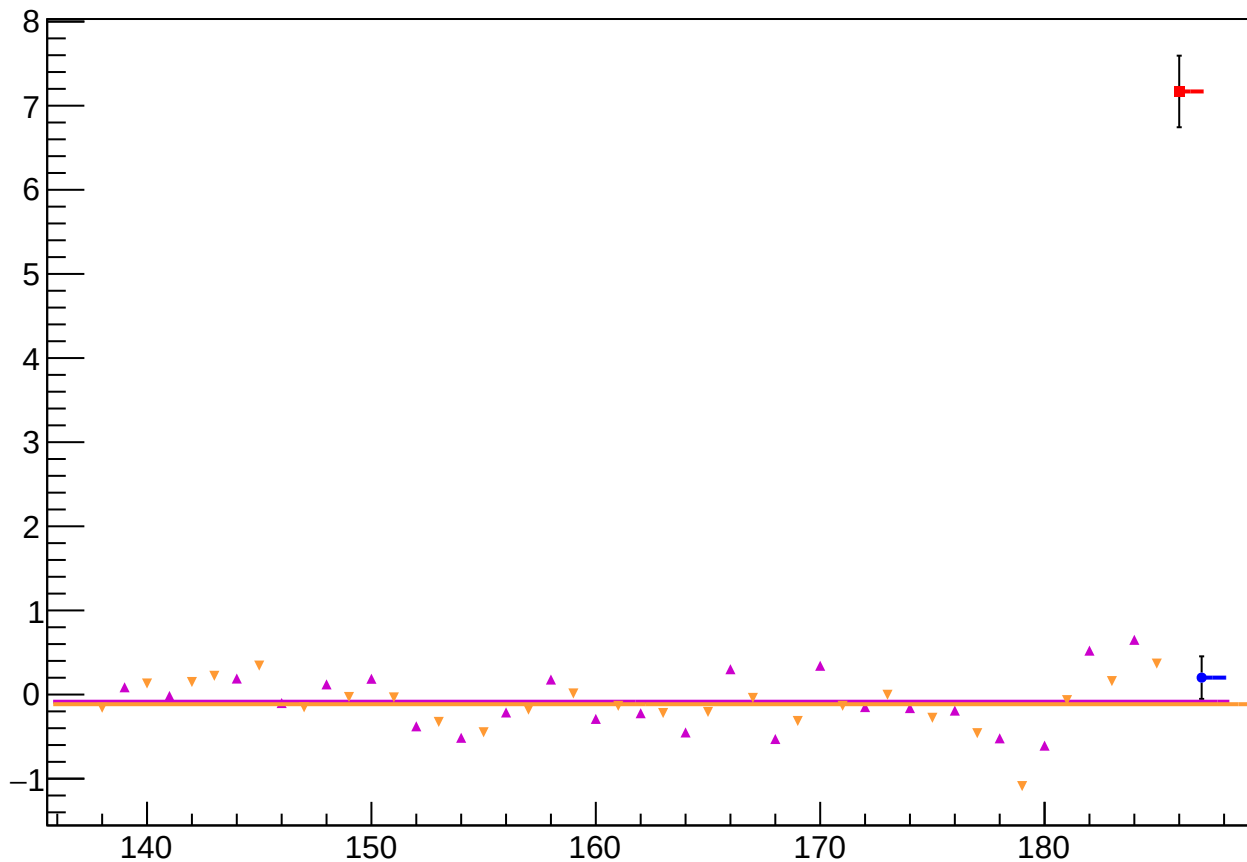
Right: 93.325 $\pm$ 3.683 χ^2 /NDF: 40.6/1

In: 78.366 $\pm$ 0.126 χ^2 /NDF:4735.7/23

Out: 79.381 $\pm$ 0.123 χ^2 /NDF:6020.8/25

All: 78.885 $\pm$ 0.088 χ^2 /NDF: 10789.6/49

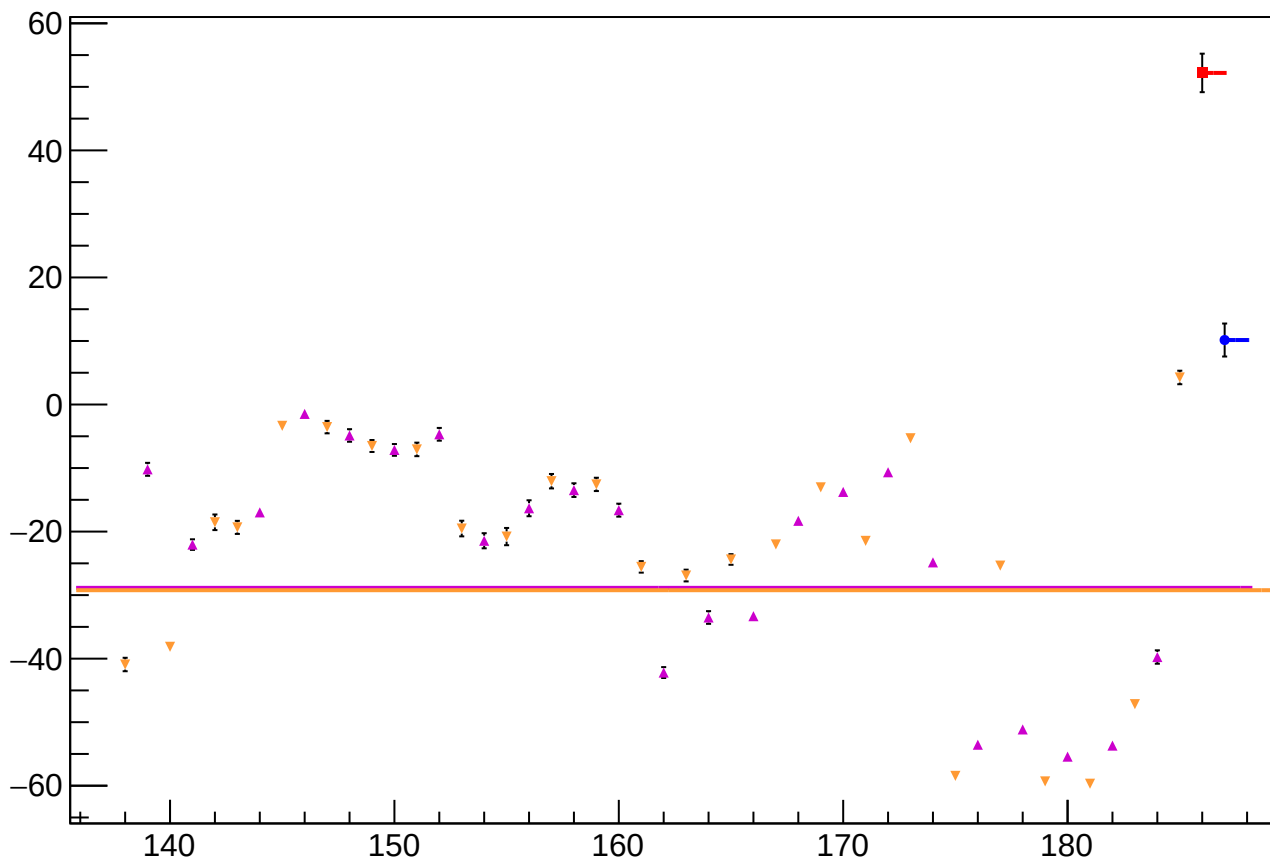
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201+/-0.253 χ^2/NDF : 0.0/0
 Left Out: -0.115+/-0.006 χ^2/NDF : 2288.7/24
 Right Out: 7.169+/-0.425 χ^2/NDF : 0.0/0
 Left In: -0.085+/-0.006 χ^2/NDF : 3148.4/22

Left: -0.100+/-0.004 χ^2/NDF : 5450.5/47
 Right: 2.022+/-0.217 χ^2/NDF : 198.2/1
 In: -0.085+/-0.006 χ^2/NDF : 3149.7/23
 Out: -0.113+/-0.006 χ^2/NDF : 2581.8/25
 All: -0.099+/-0.004 χ^2/NDF : 5743.9/49

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



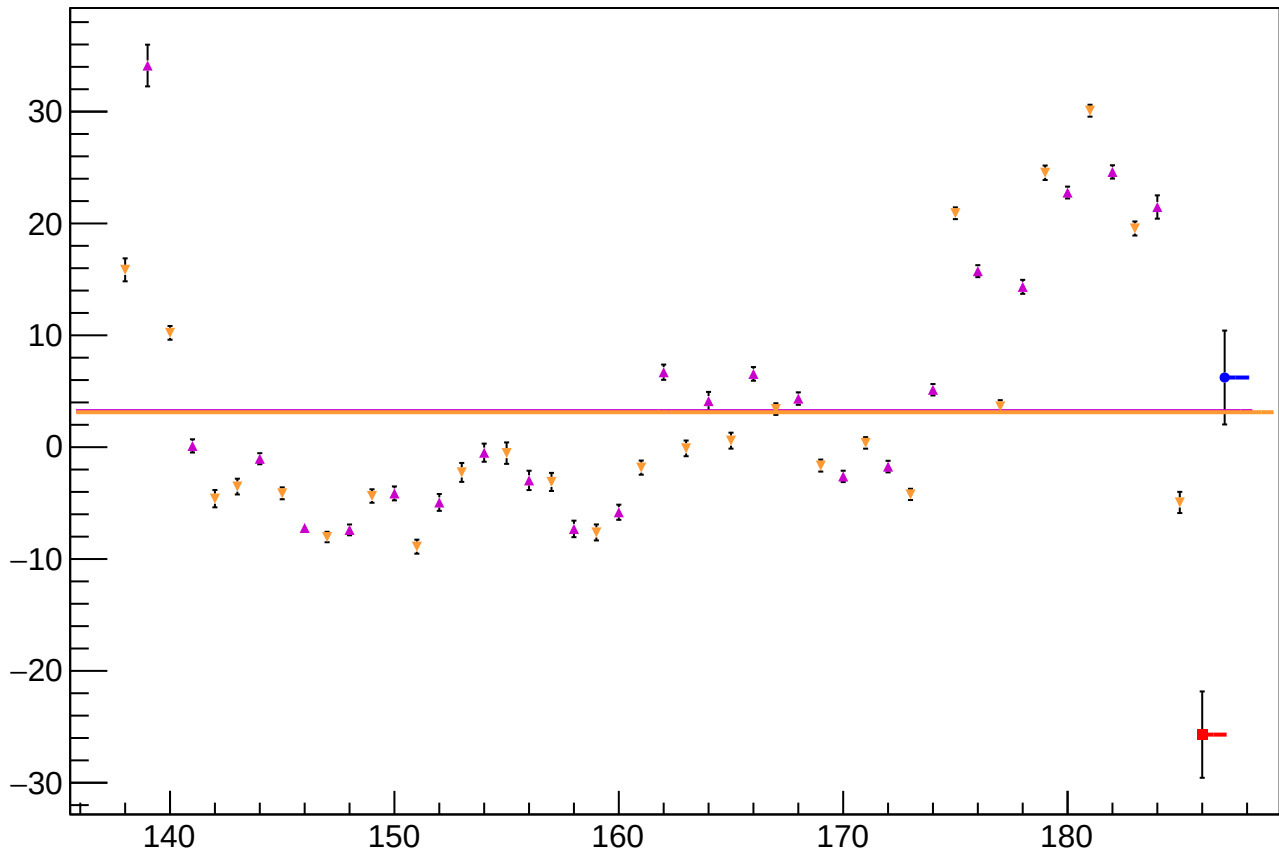
Right In: 10.151+/-2.596 χ^2/NDF : 0.0/0
 Left Out: -29.227+/-0.157 χ^2/NDF :16880.0/24
 Right Out: 52.193+/-3.030 χ^2/NDF : 0.0/0
 Left In: -28.857+/-0.159 χ^2/NDF :13553.6/22

Left: -29.044+/-0.112 χ^2/NDF : 30436.3/47
 Right: 27.945+/-1.971 χ^2/NDF : 111.0/1

In: -28.711+/-0.159 χ^2/NDF :13778.6/23
 Out: -29.009+/-0.157 χ^2/NDF :17600.0/25

All: -28.862+/-0.112 χ^2/NDF : 31380.3/49

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.227+/-4.197 χ^2/NDF : 0.0/0

Left Out: 3.126+/-0.125 χ^2/NDF :8049.0/24

Right Out: -25.698+/-3.861 χ^2/NDF : 0.0/0

Left In: 3.224+/-0.127 χ^2/NDF :6274.0/22

Left: 3.174+/-0.089 χ^2/NDF : 14323.3/47

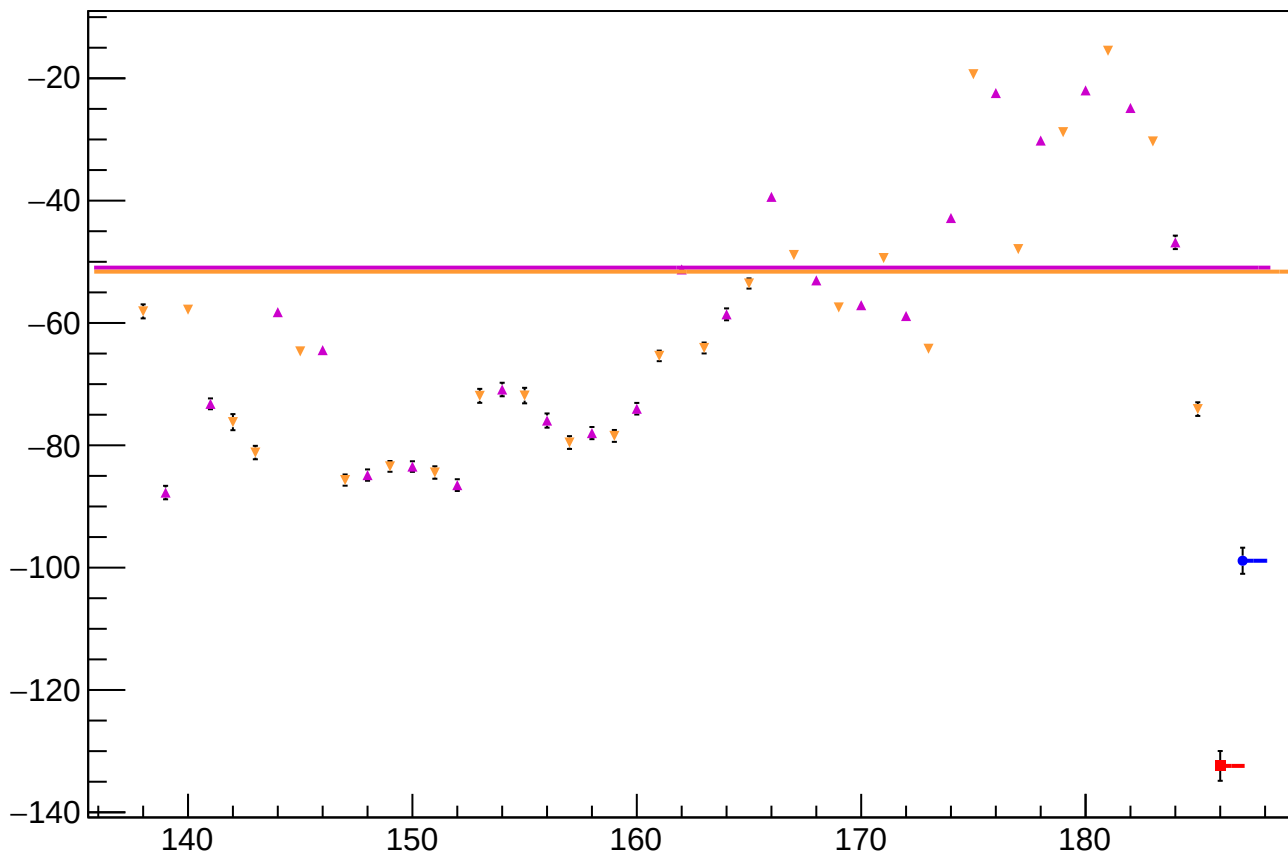
Right: -11.068+/-2.841 χ^2/NDF : 31.3/1

In: 3.227+/-0.126 χ^2/NDF :6274.5/23

Out: 3.096+/-0.125 χ^2/NDF :8104.7/25

All: 3.160+/-0.089 χ^2/NDF : 14379.8/49

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.874+/-2.134 χ^2/NDF : 0.0/0

Left Out: -51.610+/-0.158 χ^2/NDF :19384.9/24

Right Out: -132.413+/-2.435 χ^2/NDF : 0.0/0

Left In: -50.954+/-0.159 χ^2/NDF :17472.2/22

Left: -51.285+/-0.112 χ^2/NDF : 36865.6/47

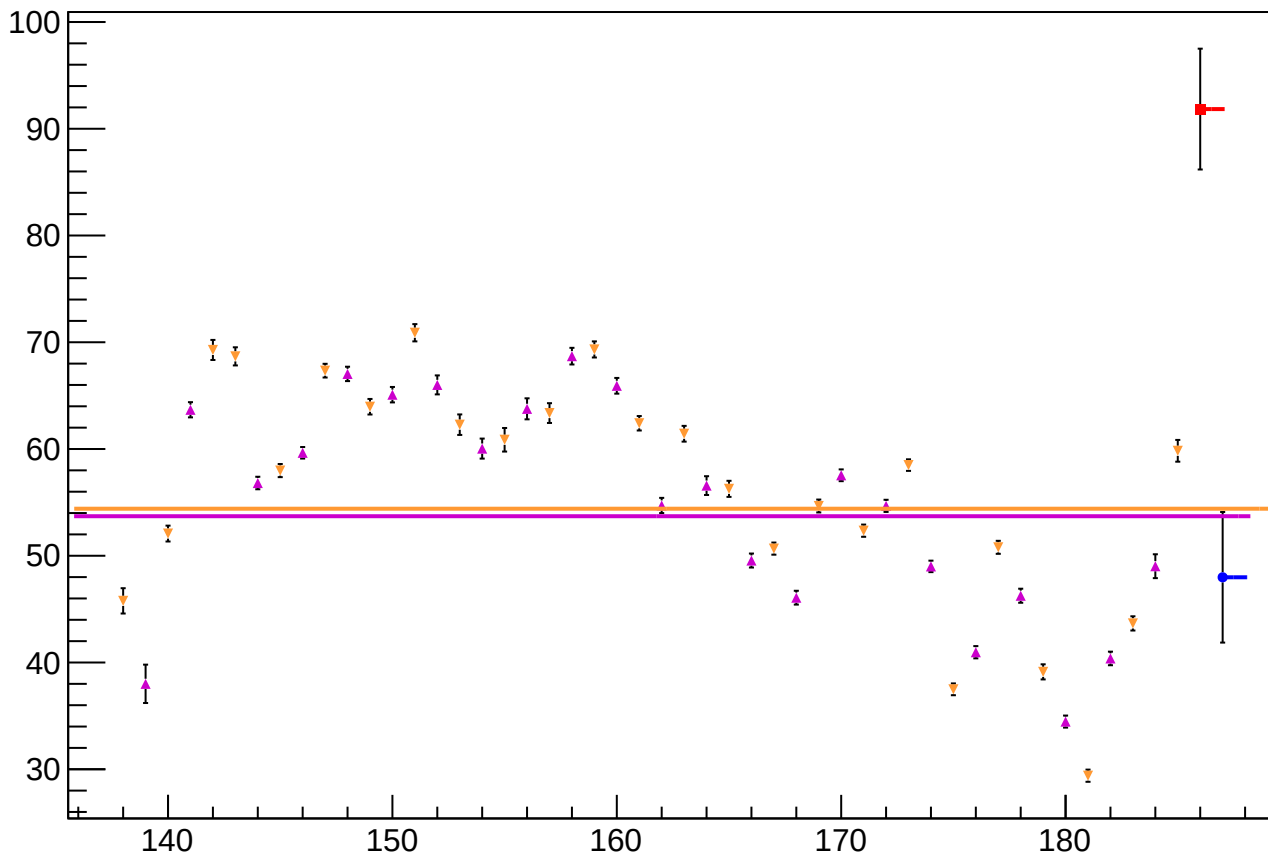
Right: -113.444+/-1.605 χ^2/NDF : 107.3/1

In: -51.220+/-0.159 χ^2/NDF :17973.7/23

Out: -51.949+/-0.158 χ^2/NDF :20481.6/25

All: -51.588+/-0.112 χ^2/NDF : 38465.9/49

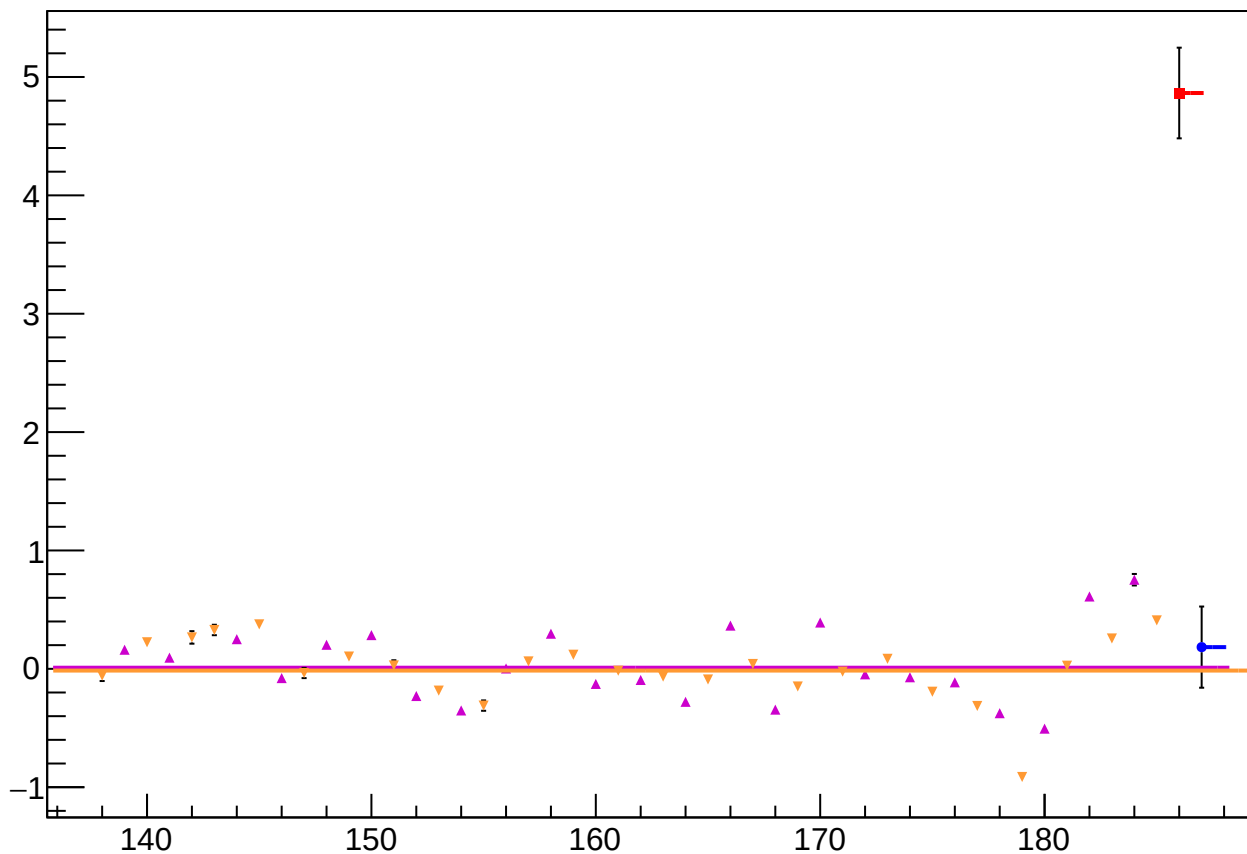
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



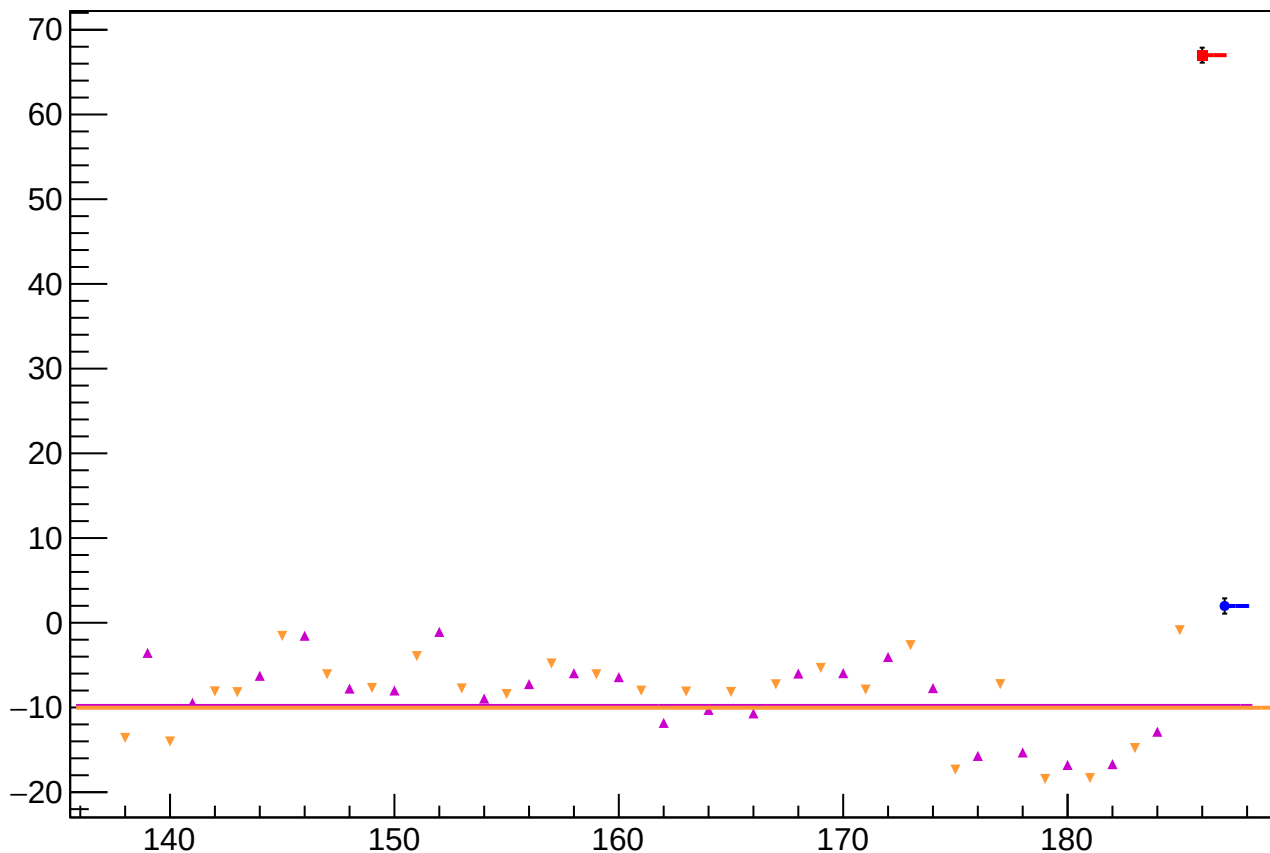
Right In: 47.983+/-6.117 χ^2/NDF : 0.0/0
 Left Out: 54.407+/-0.141 χ^2/NDF : 6200.4/24
 Right Out: 91.843+/-5.659 χ^2/NDF : 0.0/0
 Left In: 53.704+/-0.143 χ^2/NDF : 4603.5/22

Left: 54.060+/-0.100 χ^2/NDF : 10816.3/47
 Right: 71.616+/-4.154 χ^2/NDF : 27.7/1
 In: 53.700+/-0.143 χ^2/NDF : 4604.4/23
 Out: 54.430+/-0.140 χ^2/NDF : 6244.2/25
 All: 54.070+/-0.100 χ^2/NDF : 10861.8/49

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.981+/-0.902 χ^2/NDF : 0.0/0

Left Out: -10.030+/-0.051 χ^2/NDF :12530.2/24

Right Out: 67.003+/-0.885 χ^2/NDF : 0.0/0

Left In: -9.820+/-0.051 χ^2/NDF :9468.8/22

Left: -9.926+/-0.036 χ^2/NDF : 22007.5/47

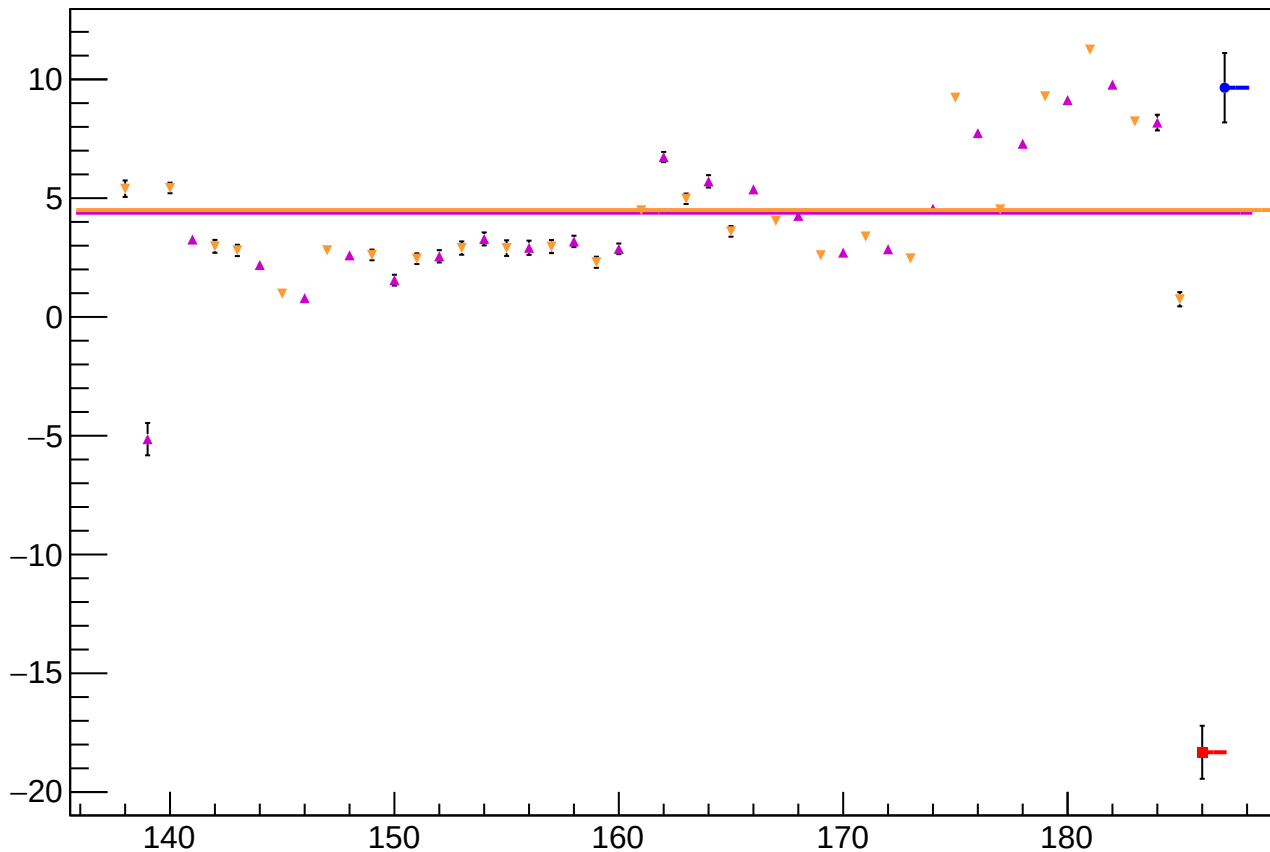
Right: 35.113+/-0.632 χ^2/NDF : 2648.4/1

In: -9.782+/-0.051 χ^2/NDF :9639.5/23

Out: -9.777+/-0.051 χ^2/NDF :20084.4/25

All: -9.780+/-0.036 χ^2/NDF : 29723.9/49

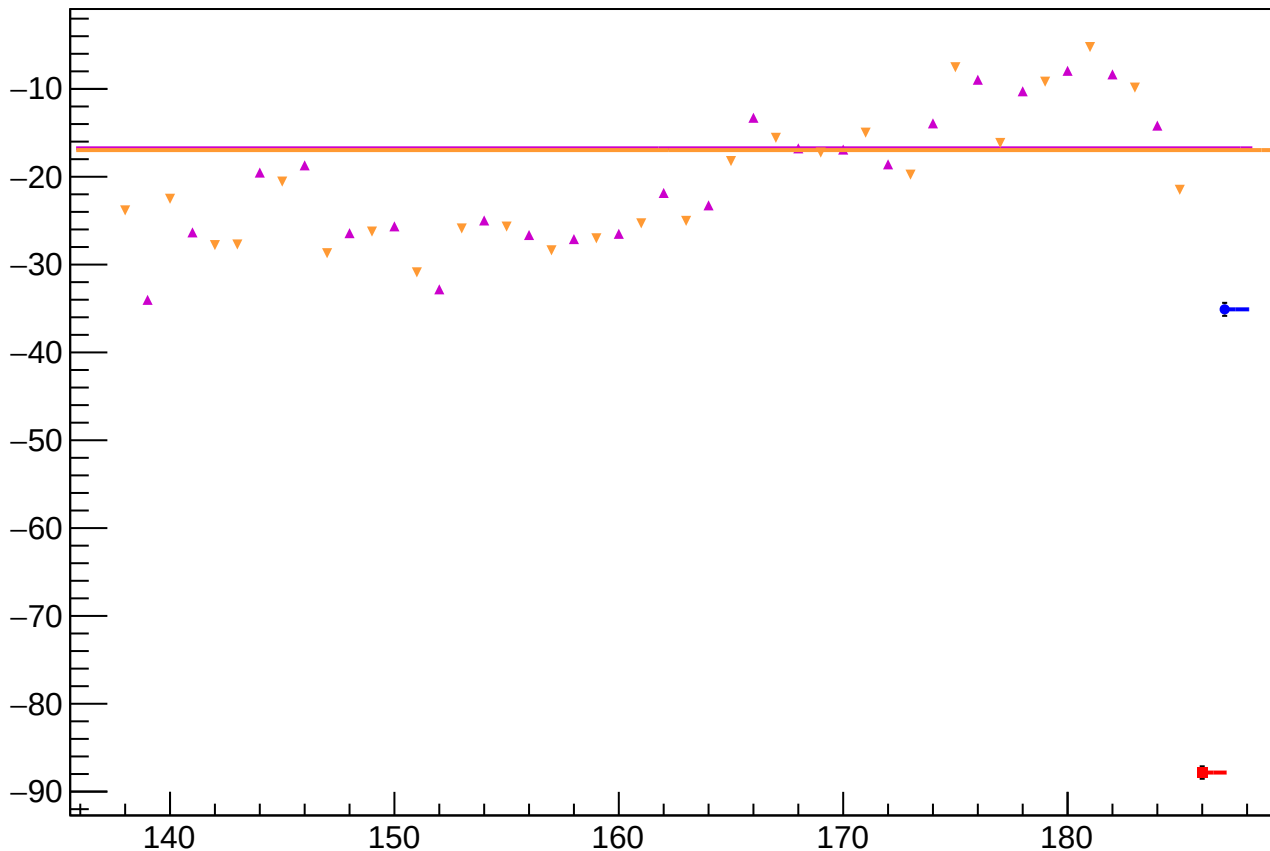
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.649 $\pm$ 1.460 χ^2 /NDF: 0.0/0
 Left Out: 4.499 $\pm$ 0.041 χ^2 /NDF:4809.3/24
 Right Out: -18.325 $\pm$ 1.116 χ^2 /NDF: 0.0/0
 Left In: 4.388 $\pm$ 0.041 χ^2 /NDF:4266.4/22

Left: 4.444 $\pm$ 0.029 χ^2 /NDF: 9079.4/47
 Right: -8.006 $\pm$ 0.887 χ^2 /NDF: 231.7/1
 In: 4.392 $\pm$ 0.041 χ^2 /NDF:4279.4/23
 Out: 4.468 $\pm$ 0.041 χ^2 /NDF:5226.9/25
 All: 4.430 $\pm$ 0.029 χ^2 /NDF: 9508.0/49

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -35.096 $\pm$ 0.741 χ^2 /NDF: 0.0/0
 Left Out: -16.965 $\pm$ 0.051 χ^2 /NDF:21902.1/24
 Right Out: -87.833 $\pm$ 0.711 χ^2 /NDF: 0.0/0
 Left In: -16.764 $\pm$ 0.051 χ^2 /NDF:19037.7/22

Left: -16.865 $\pm$ 0.036 χ^2 /NDF: 40947.4/47

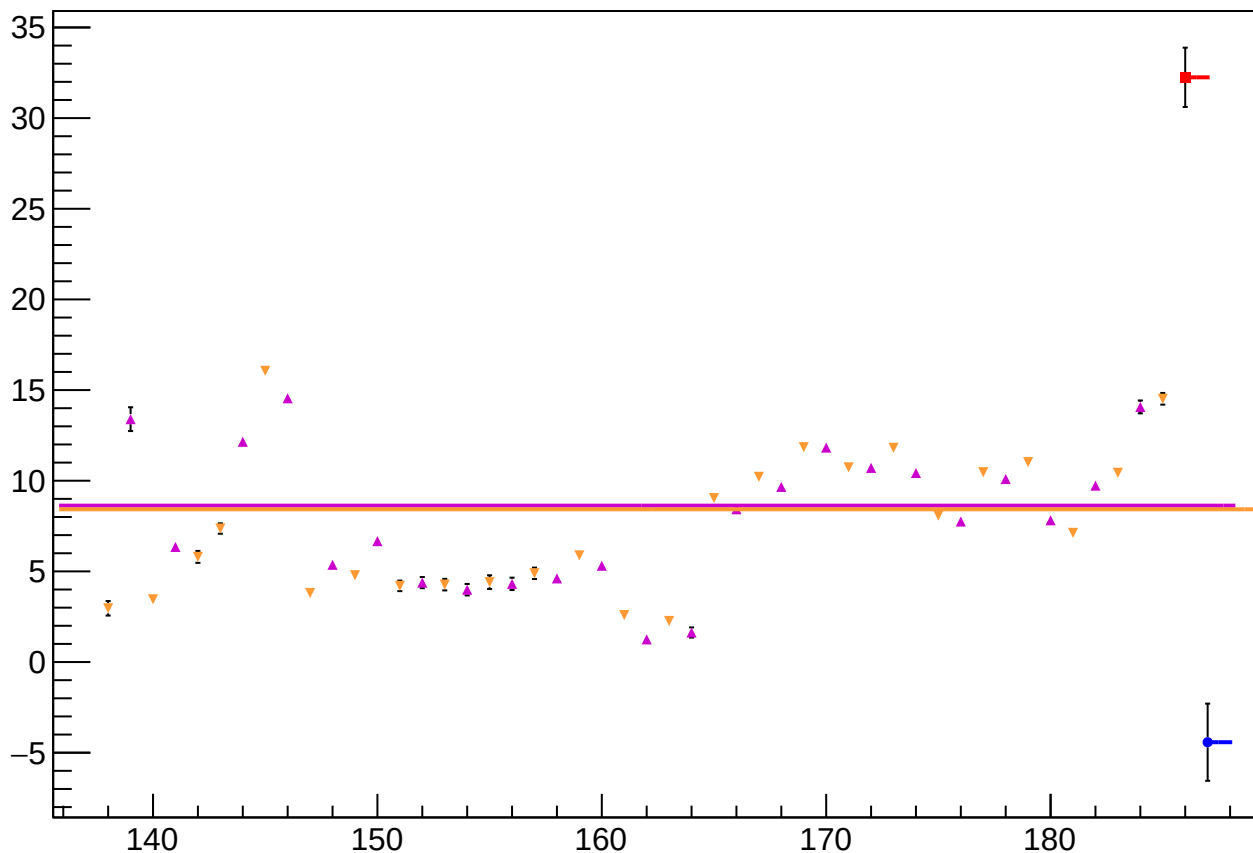
Right: -62.570 $\pm$ 0.513 χ^2 /NDF: 2636.0/1

In: -16.852 $\pm$ 0.051 χ^2 /NDF:19646.2/23

Out: -17.330 $\pm$ 0.051 χ^2 /NDF:31788.0/25

All: -17.092 $\pm$ 0.036 χ^2 /NDF: 51477.9/49

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.422+/-2.128 χ^2 /NDF: 0.0/0

Left Out: 8.424+/-0.046 χ^2 /NDF:6478.6/24

Right Out: 32.250+/-1.635 χ^2 /NDF: 0.0/0

Left In: 8.626+/-0.046 χ^2 /NDF:5531.9/22

Left: 8.524+/-0.032 χ^2 /NDF: 12020.2/47

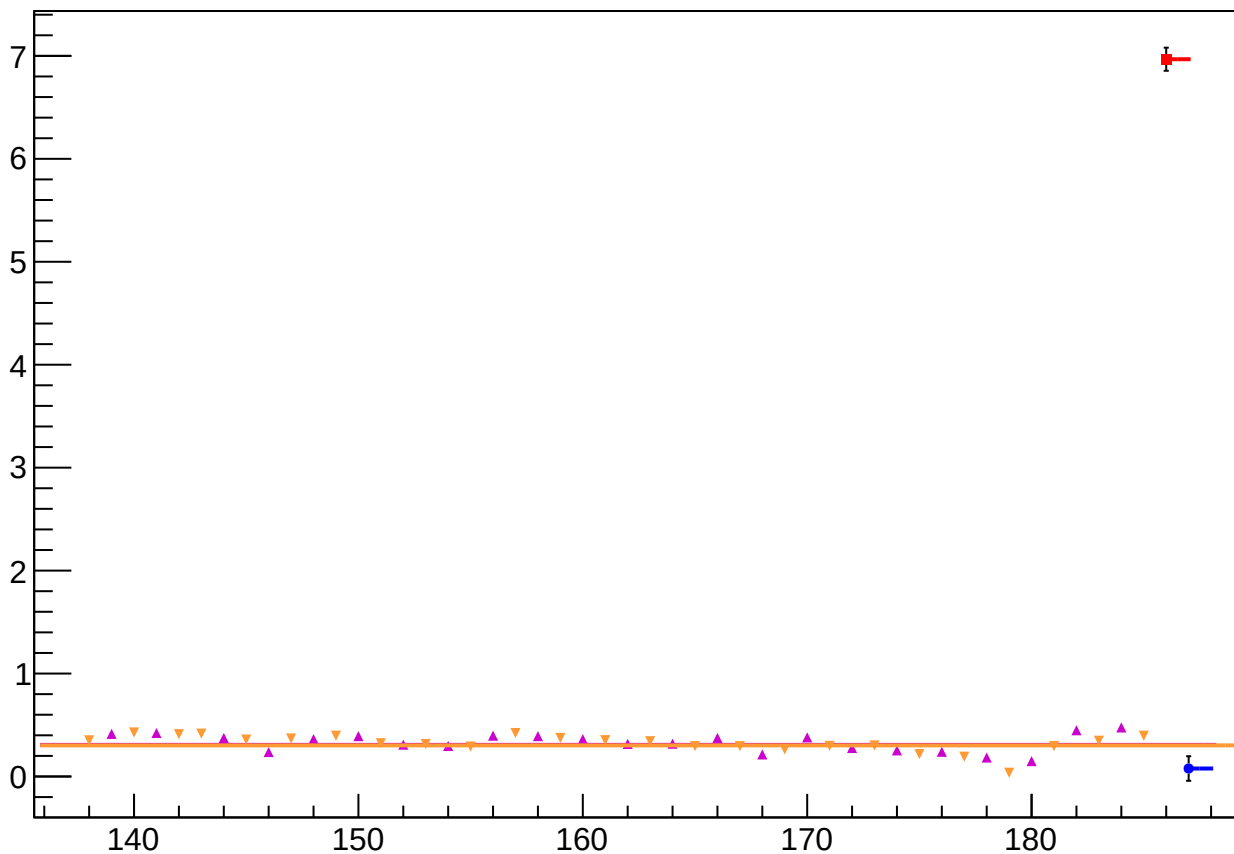
Right: 18.636+/-1.297 χ^2 /NDF: 186.7/1

In: 8.620+/-0.046 χ^2 /NDF:5569.4/23

Out: 8.442+/-0.046 χ^2 /NDF:6690.7/25

All: 8.530+/-0.032 χ^2 /NDF: 12267.6/49

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.078+/-0.119 χ^2/NDF : 0.0/0

Left Out: 0.302+/-0.002 χ^2/NDF :1589.8/24

Right Out: 6.968+/-0.112 χ^2/NDF : 0.0/0

Left In: 0.307+/-0.002 χ^2/NDF :1716.8/22

Left: 0.305+/-0.001 χ^2/NDF : 3309.3/47

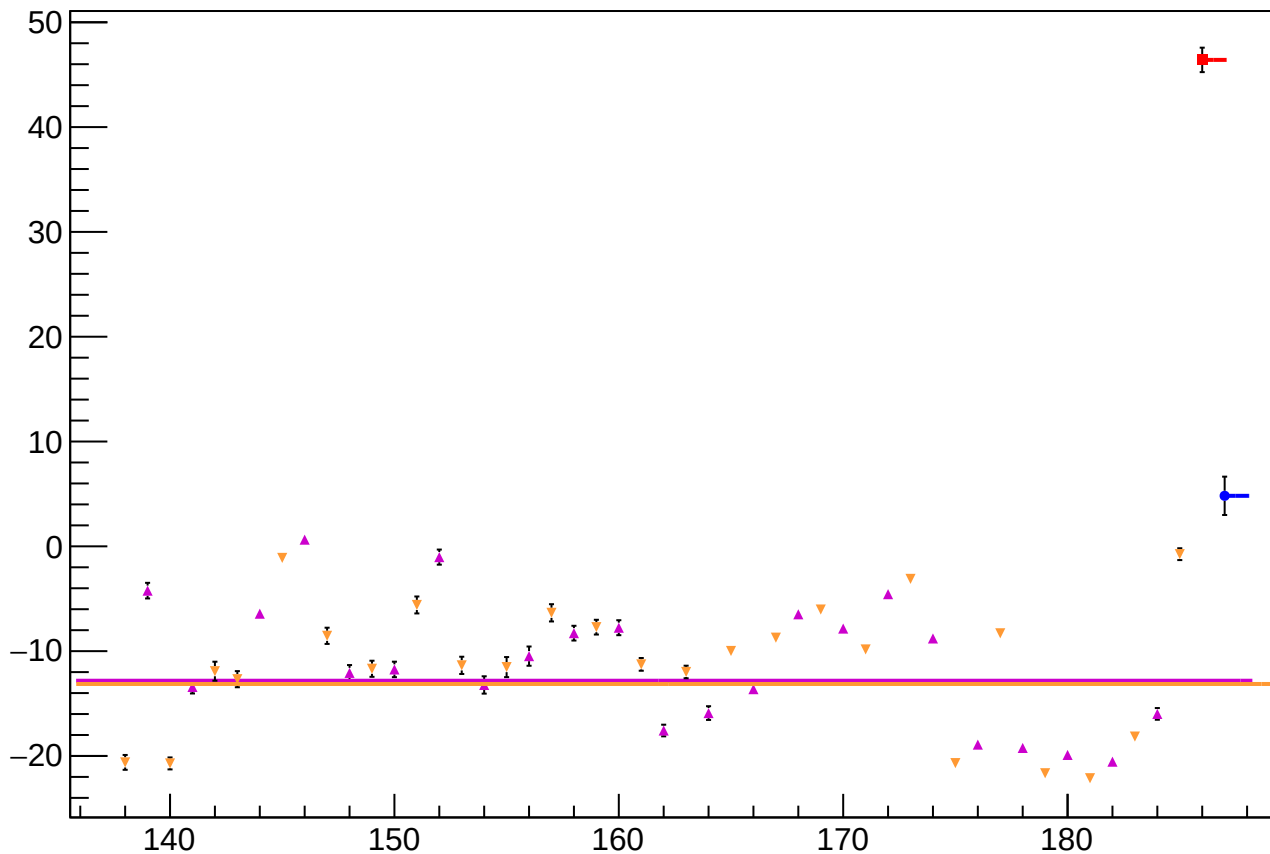
Right: 3.735+/-0.082 χ^2/NDF : 1769.9/1

In: 0.307+/-0.002 χ^2/NDF :1720.5/23

Out: 0.305+/-0.002 χ^2/NDF :5118.3/25

All: 0.306+/-0.001 χ^2/NDF : 6839.5/49

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.820+/-1.829 χ^2/NDF : 0.0/0

Left Out: -13.133+/-0.094 χ^2/NDF : 5974.5/24

Right Out: 46.411+/-1.167 χ^2/NDF : 0.0/0

Left In: -12.823+/-0.095 χ^2/NDF : 4841.5/22

Left: -12.979+/-0.067 χ^2/NDF : 10821.3/47

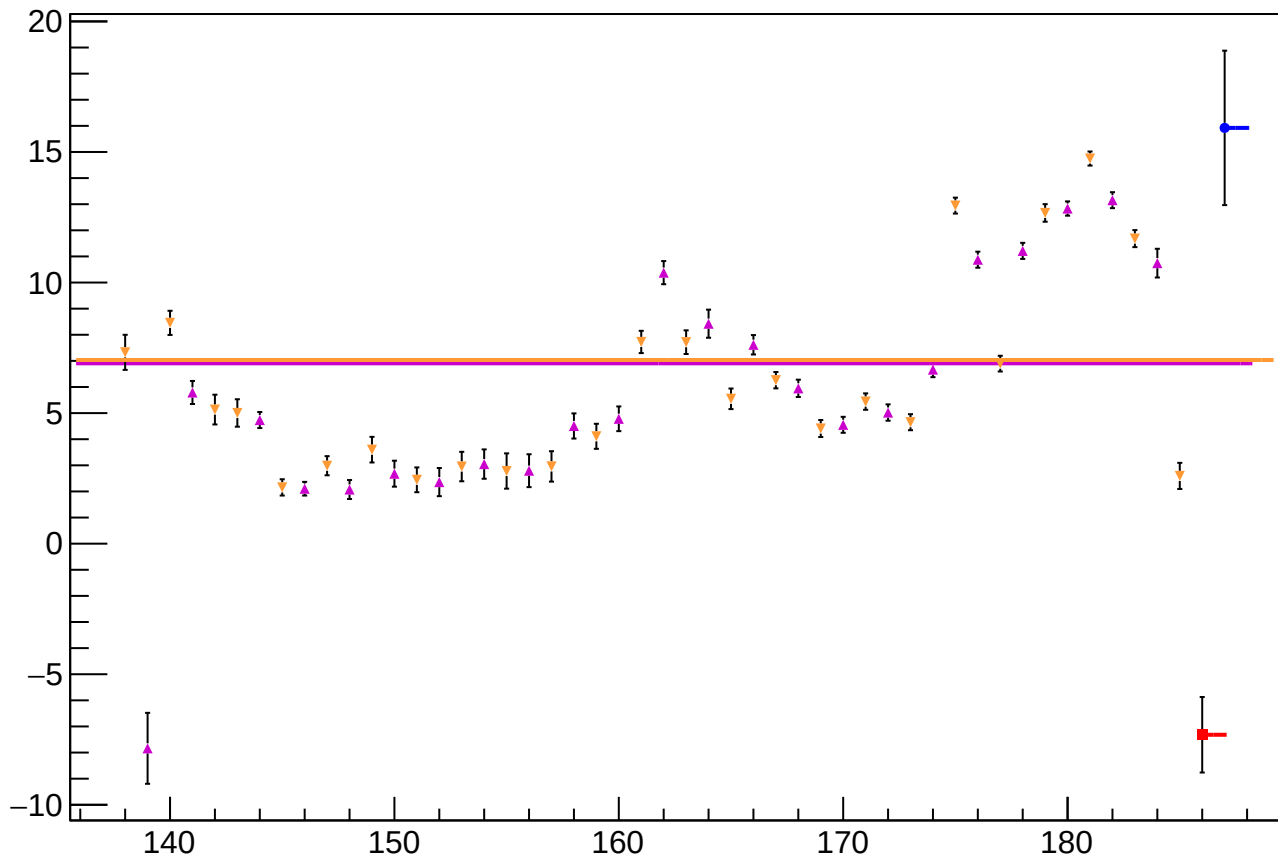
Right: 34.384+/-0.983 χ^2/NDF : 367.6/1

In: -12.776+/-0.095 χ^2/NDF : 4934.3/23

Out: -12.751+/-0.093 χ^2/NDF : 8563.3/25

All: -12.763+/-0.066 χ^2/NDF : 13497.6/49

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.923+/-2.957 χ^2/NDF : 0.0/0

Left Out: 7.034+/-0.077 χ^2/NDF : 2657.5/24

Right Out: -7.318+/-1.446 χ^2/NDF : 0.0/0

Left In: 6.906+/-0.077 χ^2/NDF : 2442.8/22

Left: 6.970+/-0.055 χ^2/NDF : 5101.7/47

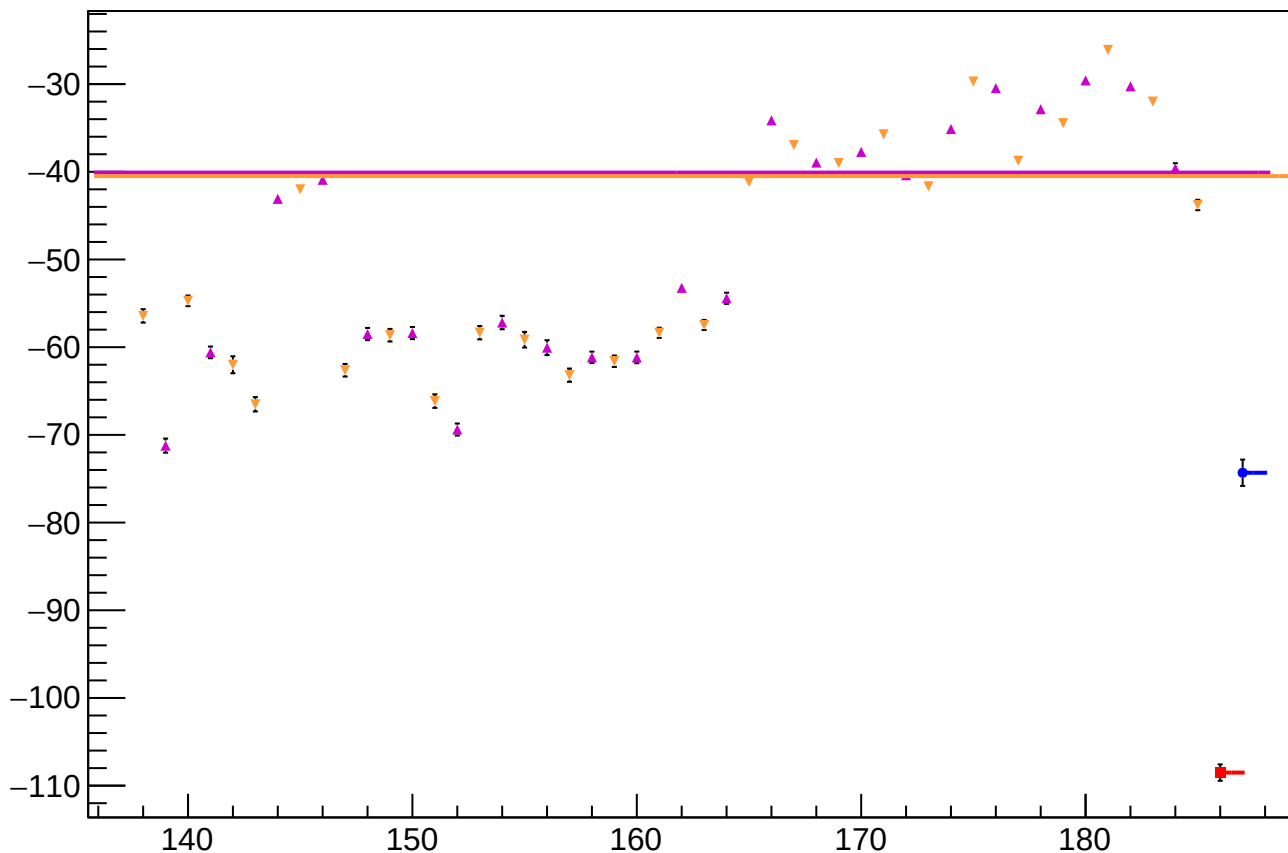
Right: -2.836+/-1.299 χ^2/NDF : 49.9/1

In: 6.912+/-0.077 χ^2/NDF : 2452.1/23

Out: 6.993+/-0.077 χ^2/NDF : 2755.8/25

All: 6.953+/-0.055 χ^2/NDF : 5208.5/49

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -74.319 ± 1.503 χ^2/NDF : 0.0/0

Left Out: -40.492 ± 0.095 χ^2/NDF : 15435.0/24

Right Out: -108.510 ± 0.936 χ^2/NDF : 0.0/0

Left In: -40.091 ± 0.095 χ^2/NDF : 14103.5/22

Left: -40.292 ± 0.067 χ^2/NDF : 29547.4/47

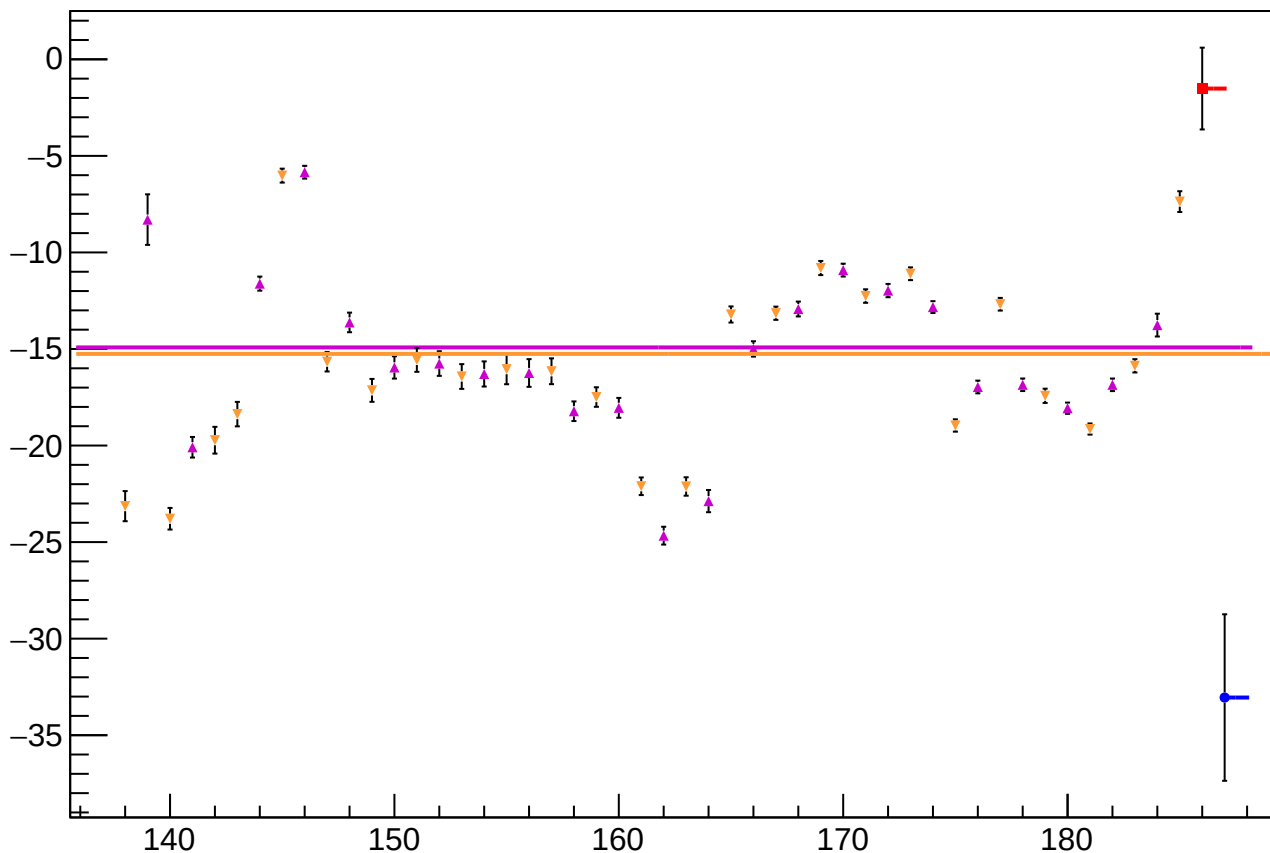
Right: -98.962 ± 0.794 χ^2/NDF : 372.9/1

In: -40.227 ± 0.095 χ^2/NDF : 14620.0/23

Out: -41.184 ± 0.094 χ^2/NDF : 20666.1/25

All: -40.709 ± 0.067 χ^2/NDF : 35337.0/49

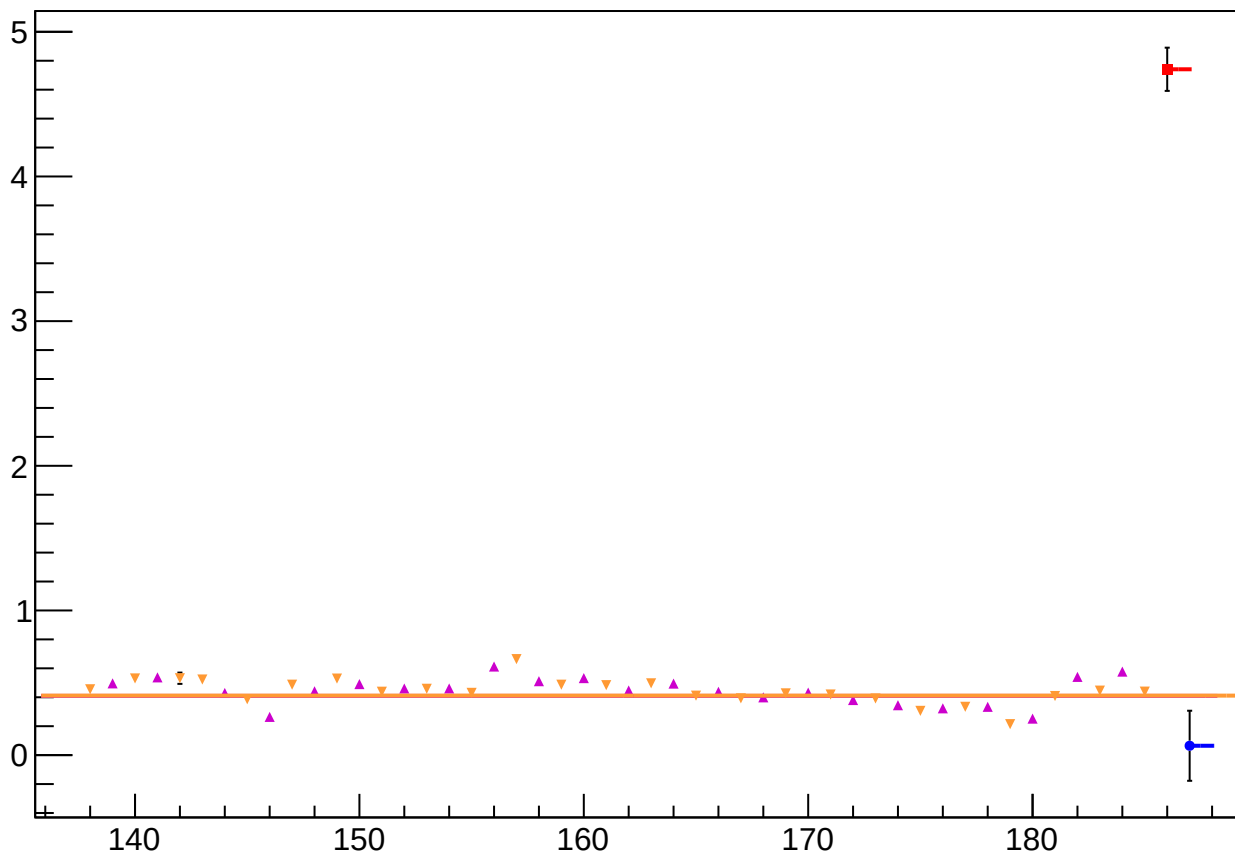
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.050 $\pm$ 4.311 χ^2 /NDF: 0.0/0
 Left Out: -15.254 $\pm$ 0.086 χ^2 /NDF:2594.4/24
 Right Out: -1.514 $\pm$ 2.118 χ^2 /NDF: 0.0/0
 Left In: -14.919 $\pm$ 0.087 χ^2 /NDF:2207.7/22

Left: -15.088 $\pm$ 0.061 χ^2 /NDF: 4809.7/47
 Right: -7.644 $\pm$ 1.901 χ^2 /NDF: 43.1/1
 In: -14.926 $\pm$ 0.087 χ^2 /NDF:2225.4/23
 Out: -15.232 $\pm$ 0.086 χ^2 /NDF:2636.4/25
 All: -15.080 $\pm$ 0.061 χ^2 /NDF: 4868.1/49

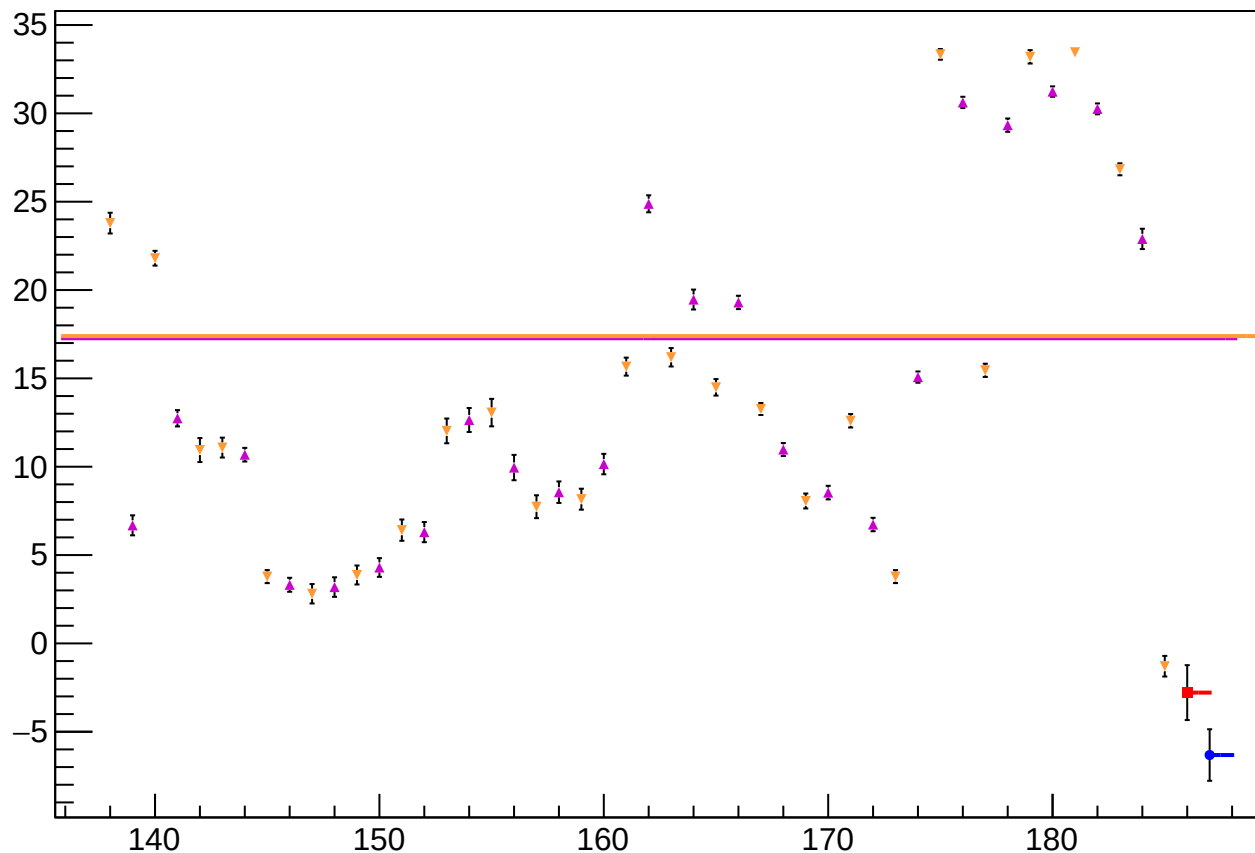
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065+/-0.242 χ^2/NDF : 0.0/0
 Left Out: 0.411+/-0.004 χ^2/NDF : 428.8/24
 Right Out: 4.741+/-0.149 χ^2/NDF : 0.0/0
 Left In: 0.409+/-0.004 χ^2/NDF : 561.9/22

Left: 0.410+/-0.003 χ^2/NDF : 990.8/47
 Right: 3.452+/-0.127 χ^2/NDF : 270.1/1
 In: 0.409+/-0.004 χ^2/NDF : 563.9/23
 Out: 0.414+/-0.004 χ^2/NDF : 1268.3/25
 All: 0.412+/-0.003 χ^2/NDF : 1833.1/49

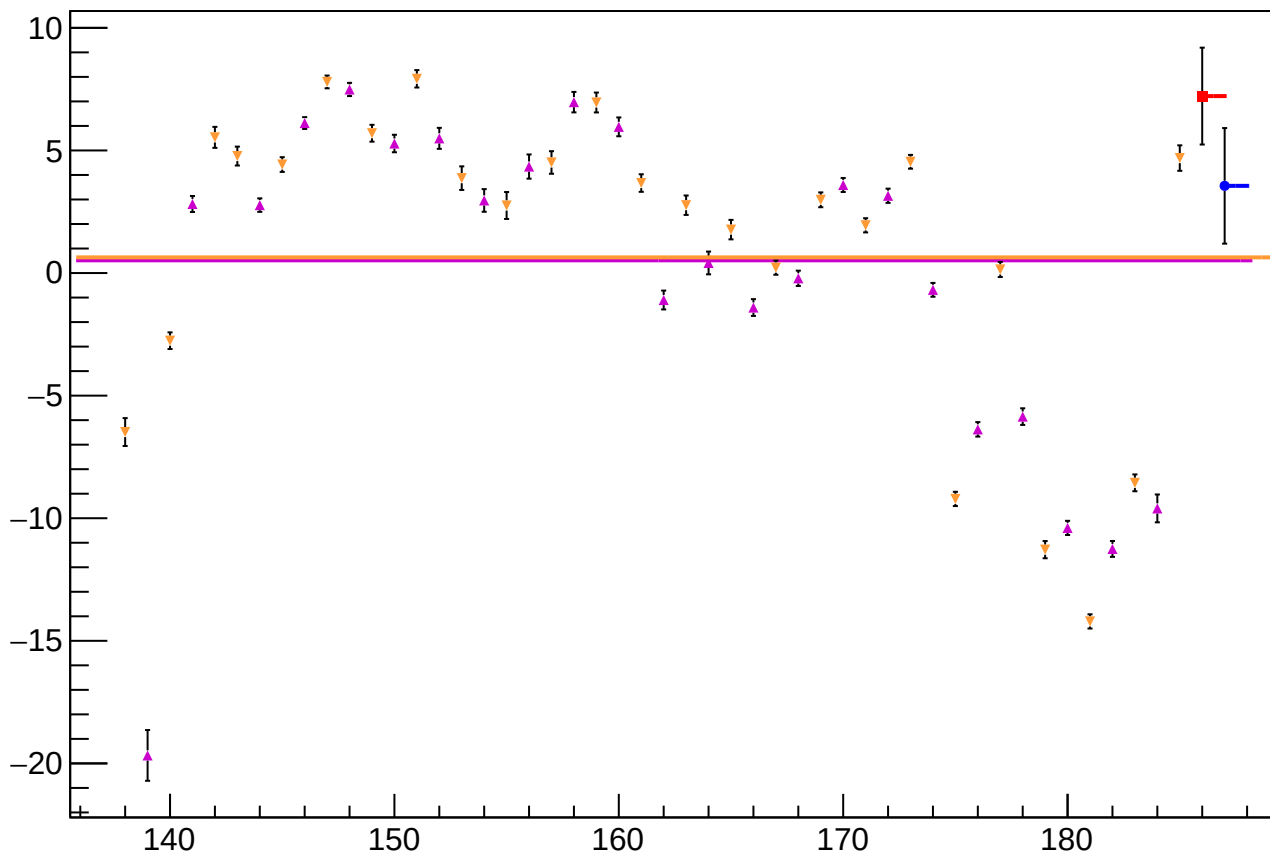
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.318 $\pm$ 1.459 χ^2 /NDF: 0.0/0
 Left Out: 17.393 $\pm$ 0.087 χ^2 /NDF:16305.7/24
 Right Out: -2.785 $\pm$ 1.554 χ^2 /NDF: 0.0/0
 Left In: 17.271 $\pm$ 0.088 χ^2 /NDF:12892.2/22

Left: 17.333 $\pm$ 0.062 χ^2 /NDF: 29198.9/47
 Right: -4.663 $\pm$ 1.063 χ^2 /NDF: 2.7/1
 In: 17.184 $\pm$ 0.088 χ^2 /NDF:13152.7/23
 Out: 17.330 $\pm$ 0.087 χ^2 /NDF:16473.9/25
 All: 17.258 $\pm$ 0.062 χ^2 /NDF: 29628.0/49

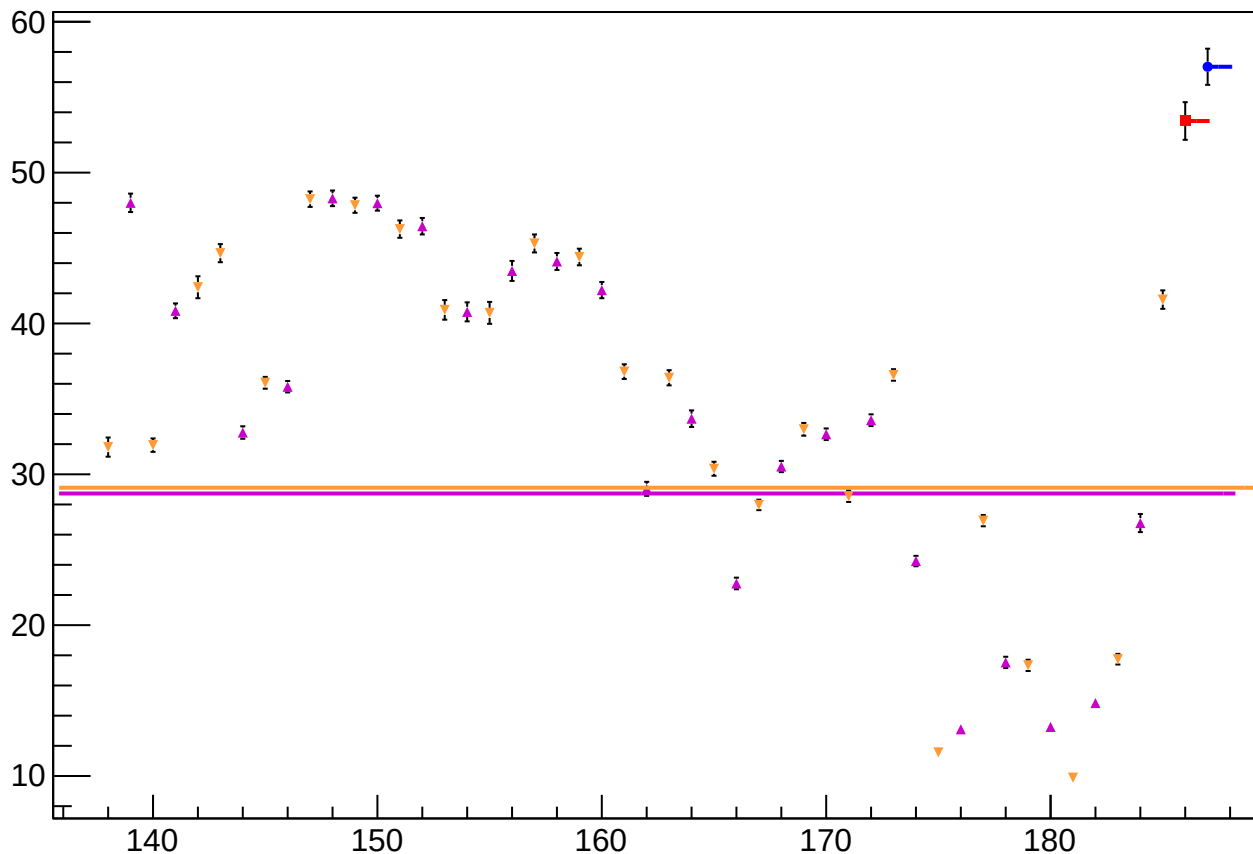
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.556 ± 2.357 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 0.639 ± 0.070 $\chi^2/\text{NDF}: 8514.9/24$
 Right Out: 7.217 ± 1.975 $\chi^2/\text{NDF}: 0.0/0$
 Left In: 0.519 ± 0.071 $\chi^2/\text{NDF}: 6776.8/22$

Left: 0.580 ± 0.050 $\chi^2/\text{NDF}: 15293.1/47$
 Right: 5.707 ± 1.514 $\chi^2/\text{NDF}: 1.4/1$
 In: 0.522 ± 0.071 $\chi^2/\text{NDF}: 6778.5/23$
 Out: 0.647 ± 0.069 $\chi^2/\text{NDF}: 8525.9/25$
 All: 0.586 ± 0.049 $\chi^2/\text{NDF}: 15306.0/49$

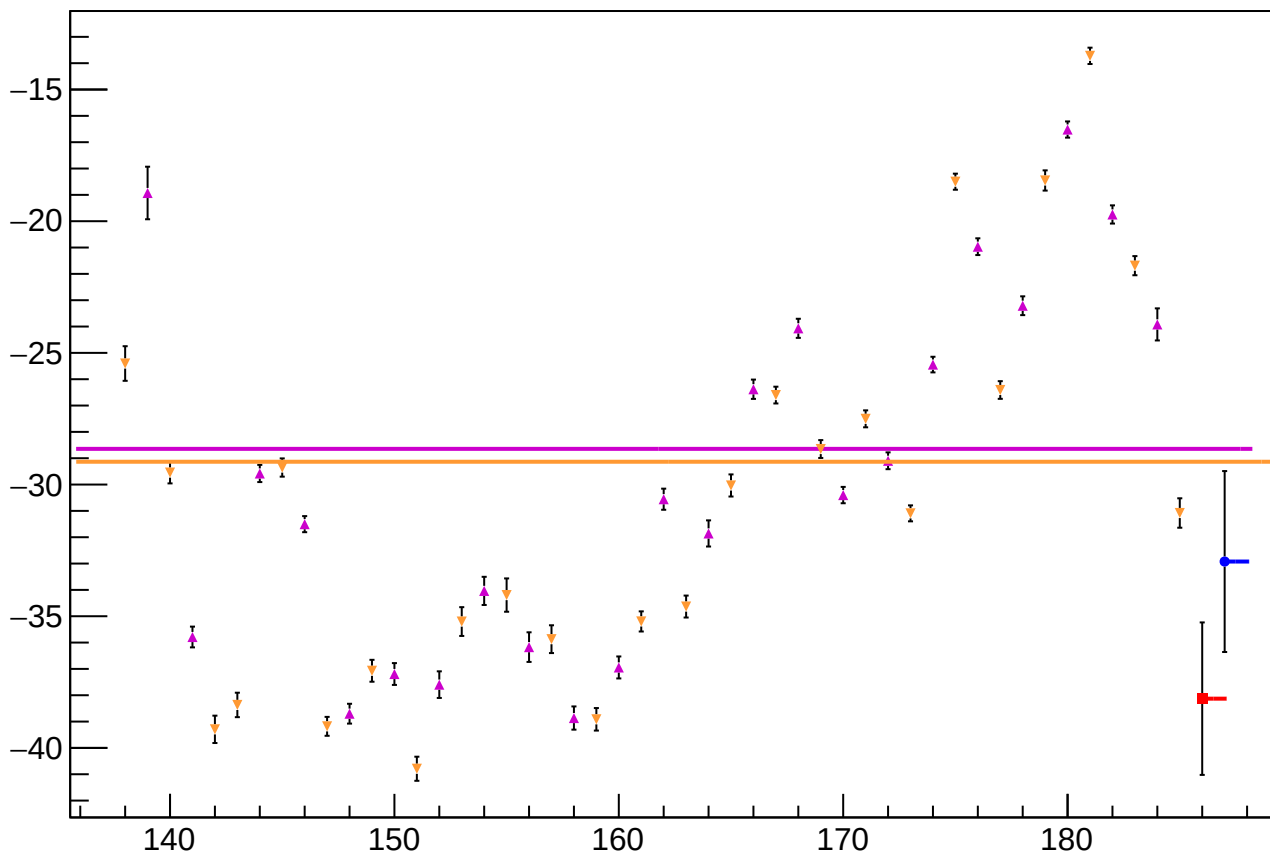
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.019 $\pm$ 1.199 χ^2 /NDF: 0.0/0
 Left Out: 29.110 $\pm$ 0.088 χ^2 /NDF:18845.8/24
 Right Out: 53.423 $\pm$ 1.248 χ^2 /NDF: 0.0/0
 Left In: 28.728 $\pm$ 0.089 χ^2 /NDF:17037.4/22

Left: 28.921 $\pm$ 0.062 χ^2 /NDF: 35892.6/47
 Right: 55.293 $\pm$ 0.865 χ^2 /NDF: 4.3/1
 In: 28.882 $\pm$ 0.089 χ^2 /NDF:17591.1/23
 Out: 29.230 $\pm$ 0.088 χ^2 /NDF:19223.4/25
 All: 29.058 $\pm$ 0.062 χ^2 /NDF: 36822.3/49

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



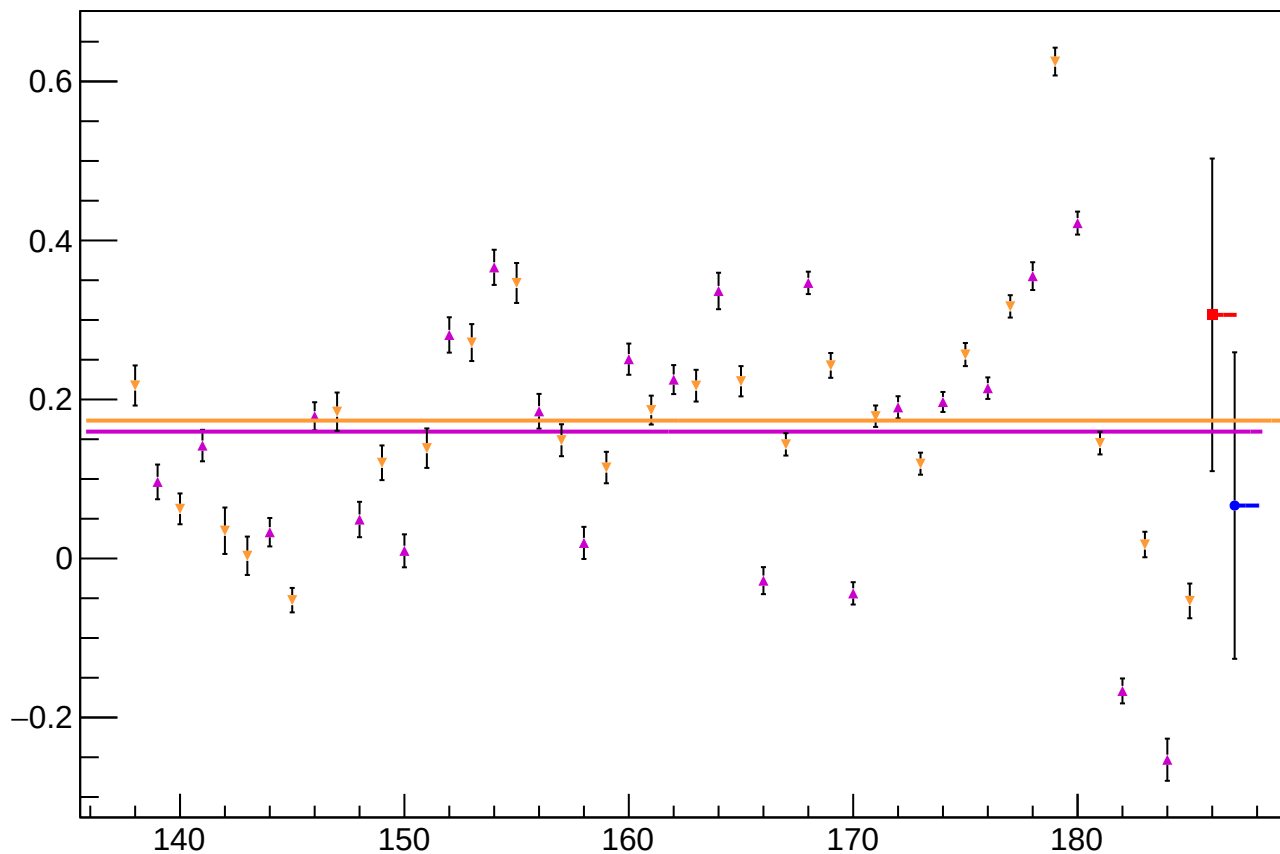
Right In: -32.923 ± 3.435 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -29.134 ± 0.078 $\chi^2/\text{NDF}: 8998.0/24$
 Right Out: -38.130 ± 2.895 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -28.645 ± 0.080 $\chi^2/\text{NDF}: 6693.5/22$

Left: -28.893 ± 0.056 $\chi^2/\text{NDF}: 15710.7/47$
 Right: -35.968 ± 2.214 $\chi^2/\text{NDF}: 1.3/1$

In: -28.647 ± 0.079 $\chi^2/\text{NDF}: 6695.1/23$
 Out: -29.140 ± 0.078 $\chi^2/\text{NDF}: 9007.7/25$

All: -28.897 ± 0.056 $\chi^2/\text{NDF}: 15722.3/49$

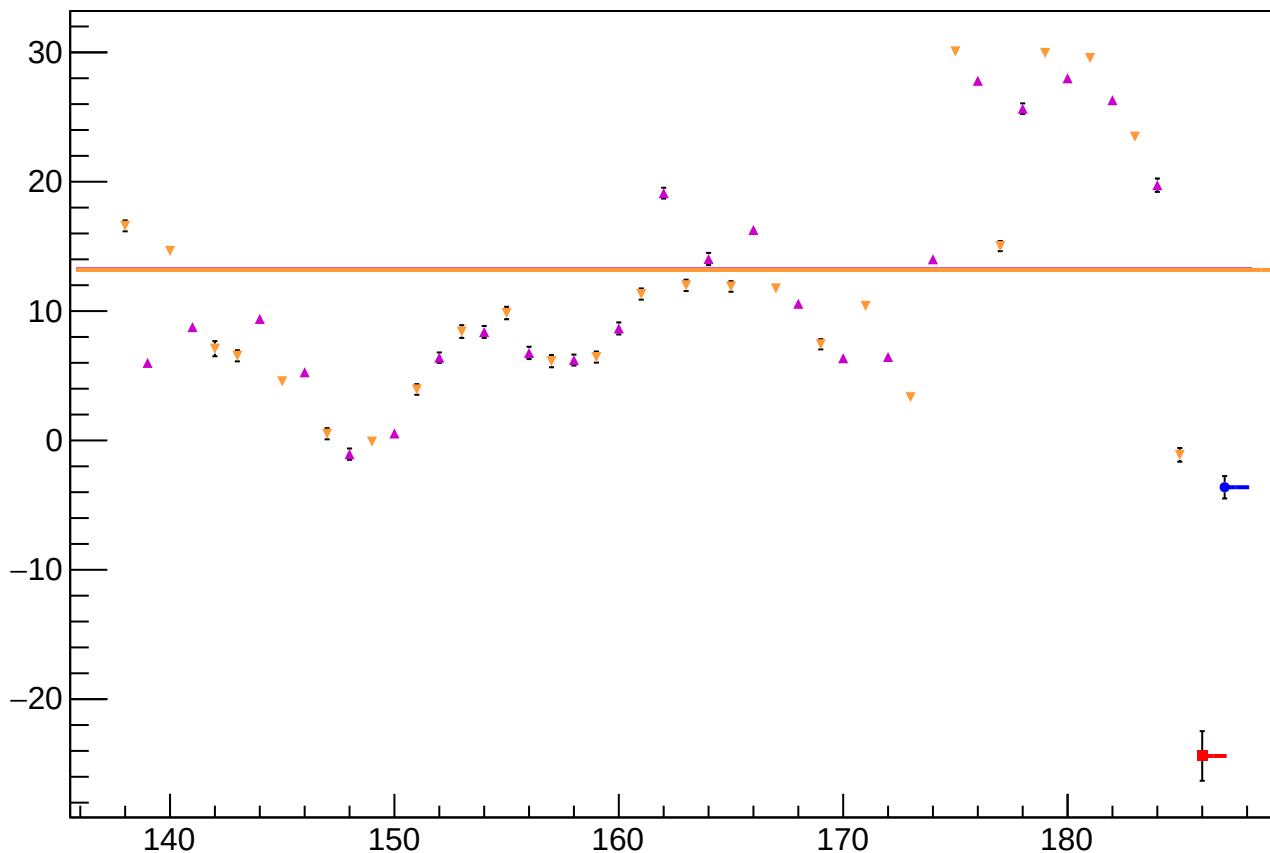
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 $\pm$ 0.193 χ^2 /NDF: 0.0/0
 Left Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1468.8/24
 Right Out: 0.306 $\pm$ 0.197 χ^2 /NDF: 0.0/0
 Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:2063.7/22

Left: 0.167 $\pm$ 0.003 χ^2 /NDF: 3539.9/47
 Right: 0.184 $\pm$ 0.138 χ^2 /NDF: 0.8/1
 In: 0.160 $\pm$ 0.004 χ^2 /NDF:2064.0/23
 Out: 0.174 $\pm$ 0.004 χ^2 /NDF:1469.3/25
 All: 0.167 $\pm$ 0.003 χ^2 /NDF: 3540.7/49

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.618 ± 0.867 χ^2/NDF : 0.0/0

Left Out: 13.181 ± 0.075 χ^2/NDF : 17039.3/24

Right Out: -24.391 ± 1.919 χ^2/NDF : 0.0/0

Left In: 13.228 ± 0.077 χ^2/NDF : 14126.1/22

Left: 13.204 ± 0.054 χ^2/NDF : 31165.6/47

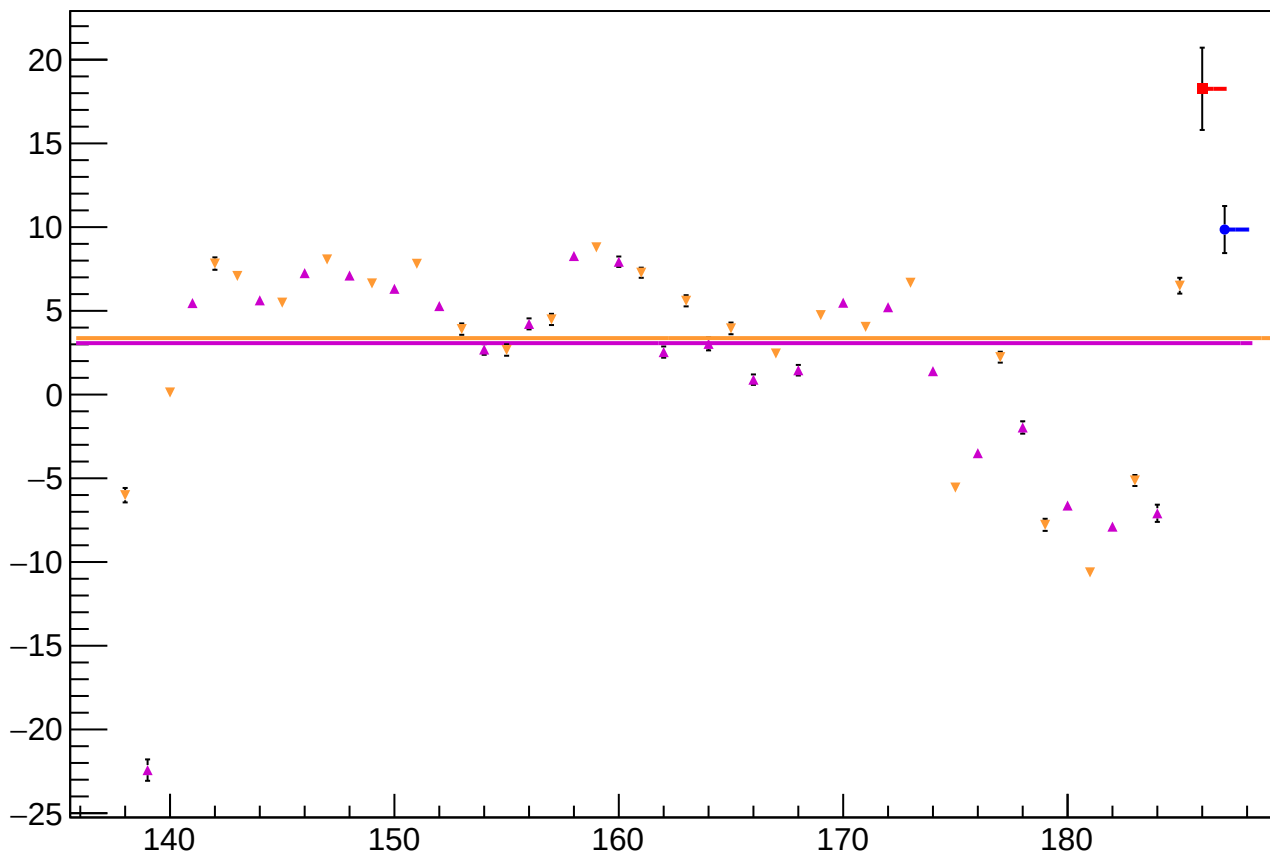
Right: -7.141 ± 0.790 χ^2/NDF : 97.3/1

In: 13.098 ± 0.076 χ^2/NDF : 14500.5/23

Out: 13.123 ± 0.075 χ^2/NDF : 17422.0/25

All: 13.111 ± 0.054 χ^2/NDF : 31922.6/49

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.855 $\pm$ 1.405 χ^2 /NDF: 0.0/0

Left Out: 3.372 $\pm$ 0.059 χ^2 /NDF:8053.7/24

Right Out: 18.260 $\pm$ 2.457 χ^2 /NDF: 0.0/0

Left In: 3.071 $\pm$ 0.060 χ^2 /NDF:7269.0/22

Left: 3.226 $\pm$ 0.042 χ^2 /NDF: 15335.5/47

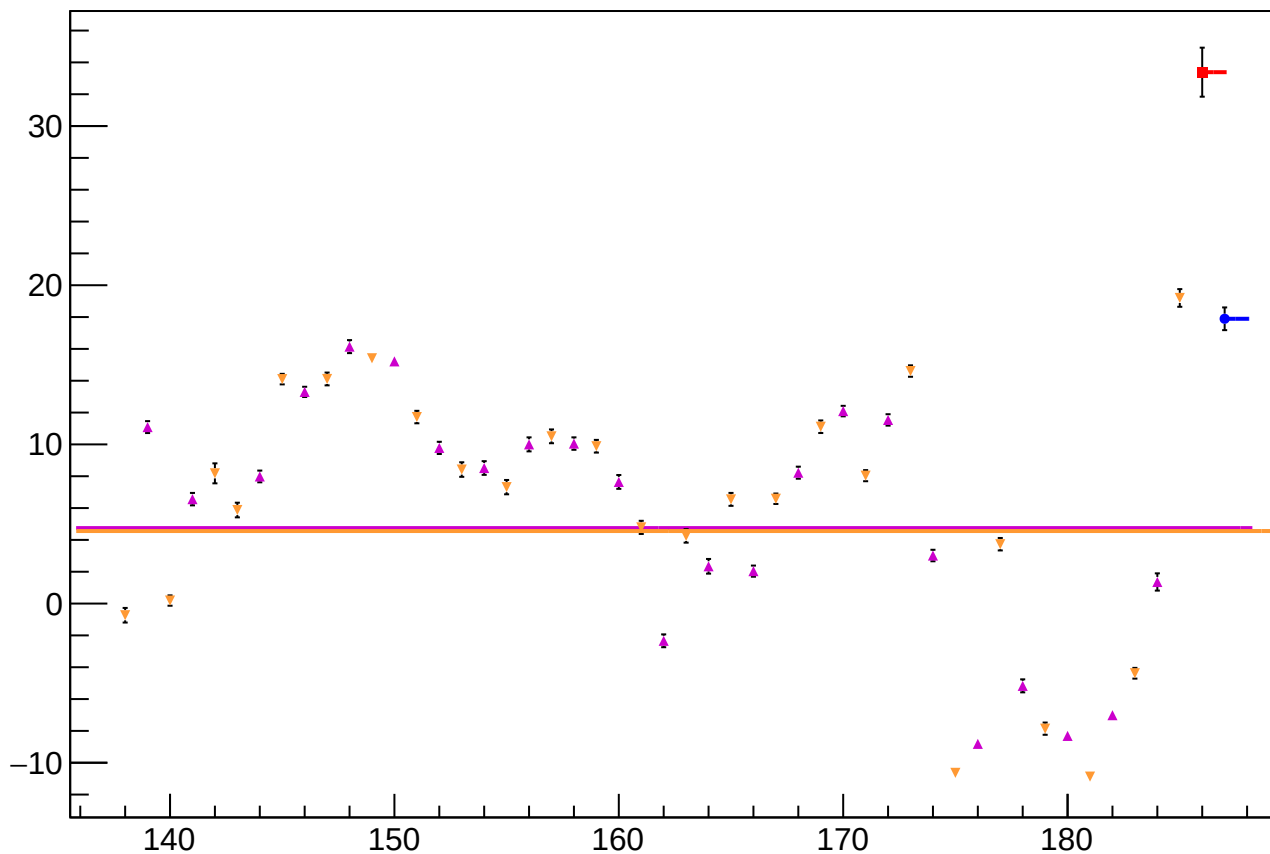
Right: 11.927 $\pm$ 1.220 χ^2 /NDF: 8.8/1

In: 3.084 $\pm$ 0.060 χ^2 /NDF:7292.3/23

Out: 3.380 $\pm$ 0.059 χ^2 /NDF:8090.4/25

All: 3.237 $\pm$ 0.042 χ^2 /NDF: 15395.1/49

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.892 $\pm$ 0.713 χ^2 /NDF: 0.0/0

Left Out: 4.557 $\pm$ 0.076 χ^2 /NDF:13588.4/24

Right Out: 33.385 $\pm$ 1.540 χ^2 /NDF: 0.0/0

Left In: 4.741 $\pm$ 0.076 χ^2 /NDF:11418.2/22

Left: 4.648 $\pm$ 0.054 χ^2 /NDF: 25009.5/47

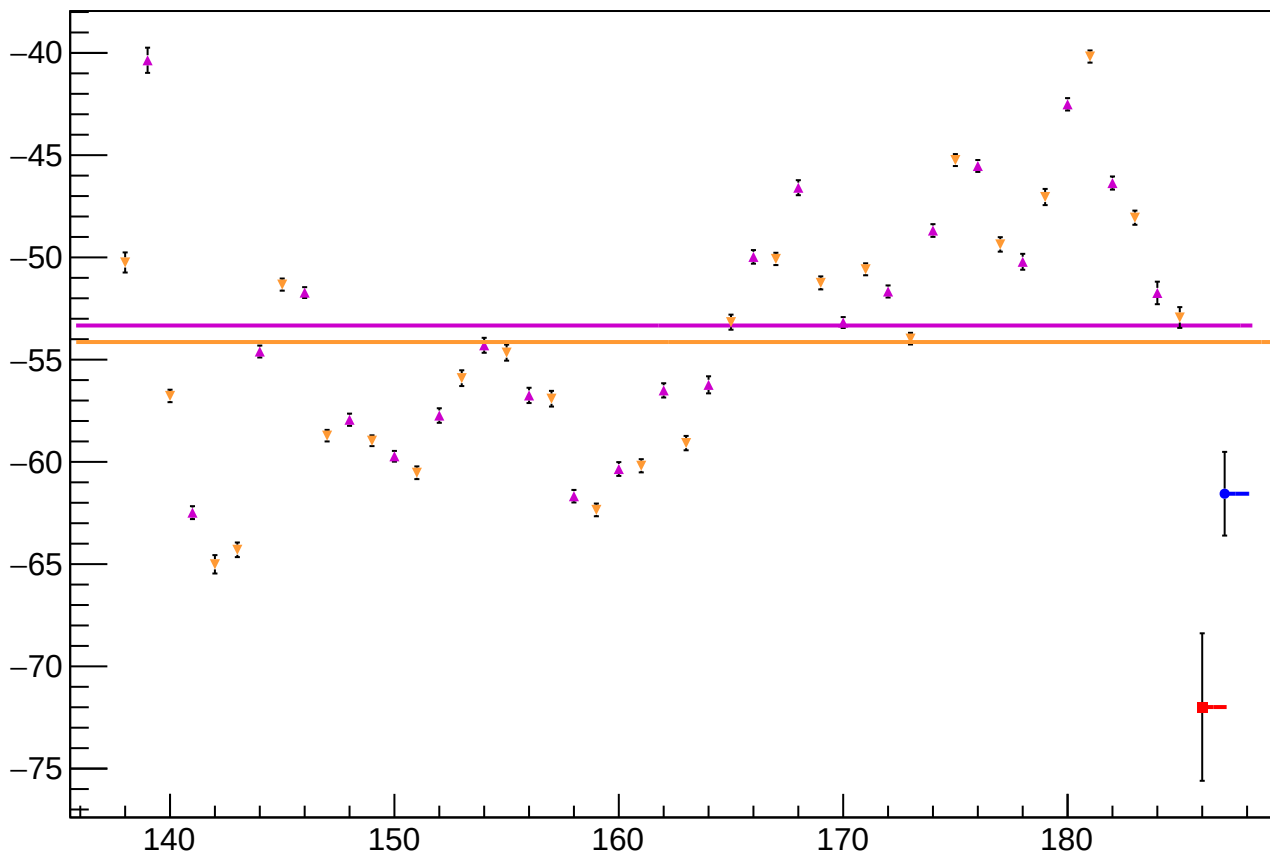
Right: 20.629 $\pm$ 0.647 χ^2 /NDF: 83.3/1

In: 4.891 $\pm$ 0.076 χ^2 /NDF:11754.2/23

Out: 4.626 $\pm$ 0.075 χ^2 /NDF:13937.9/25

All: 4.757 $\pm$ 0.054 χ^2 /NDF: 25698.3/49

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



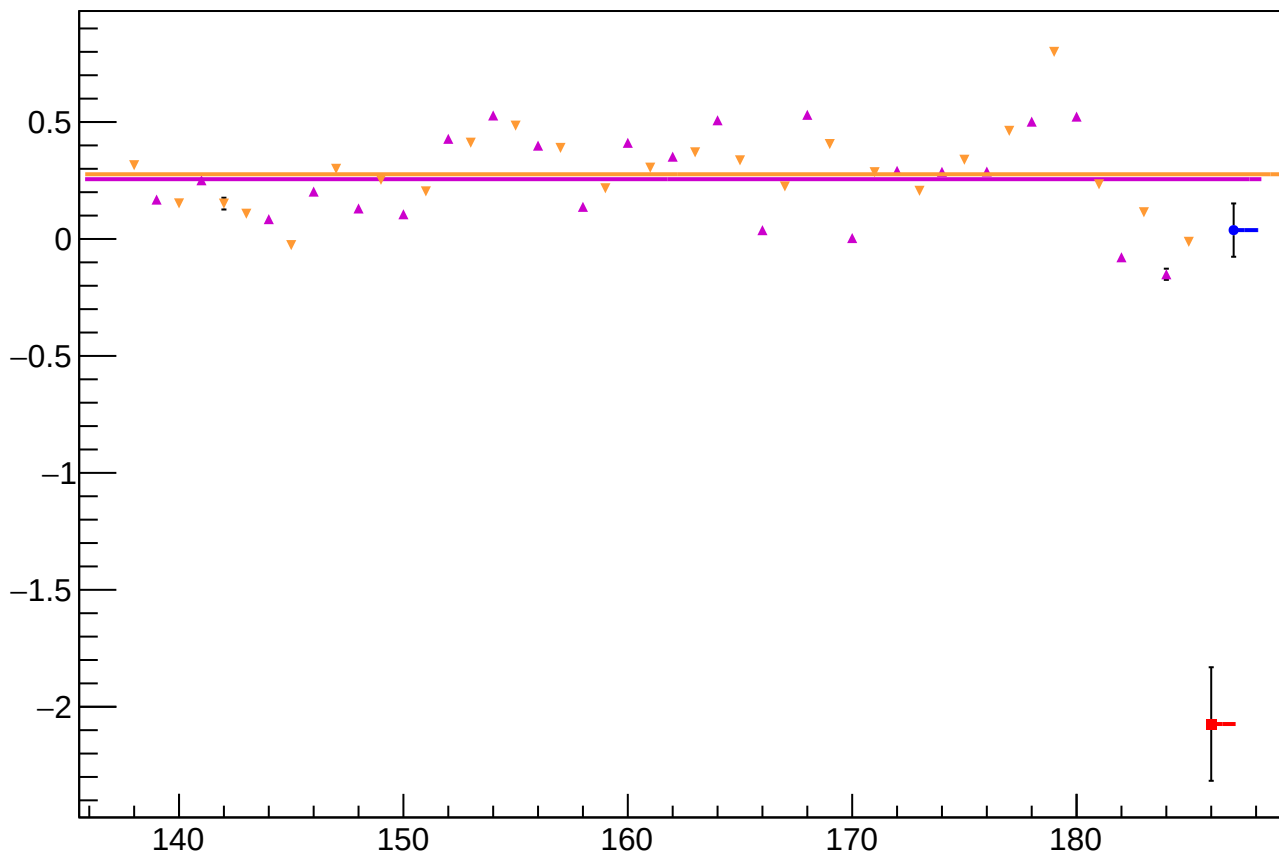
Right In: -61.557 $\pm$ 2.047 χ^2 /NDF: 0.0/0
 Left Out: -54.139 $\pm$ 0.067 χ^2 /NDF:8301.1/24
 Right Out: -71.990 $\pm$ 3.606 χ^2 /NDF: 0.0/0
 Left In: -53.330 $\pm$ 0.068 χ^2 /NDF:6940.2/22

Left: -53.745 $\pm$ 0.048 χ^2 /NDF: 15313.2/47
 Right: -64.099 $\pm$ 1.780 χ^2 /NDF: 6.3/1

In: -53.340 $\pm$ 0.068 χ^2 /NDF:6956.3/23
 Out: -54.145 $\pm$ 0.067 χ^2 /NDF:8325.6/25

All: -53.752 $\pm$ 0.048 χ^2 /NDF: 15353.3/49

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.038 $\pm$ 0.114 χ^2 /NDF: 0.0/0

Left Out: 0.277 $\pm$ 0.003 χ^2 /NDF:2606.0/24

Right Out: -2.074 $\pm$ 0.243 χ^2 /NDF: 0.0/0

Left In: 0.256 $\pm$ 0.003 χ^2 /NDF:3644.0/22

Left: 0.266 $\pm$ 0.002 χ^2 /NDF: 6273.6/47

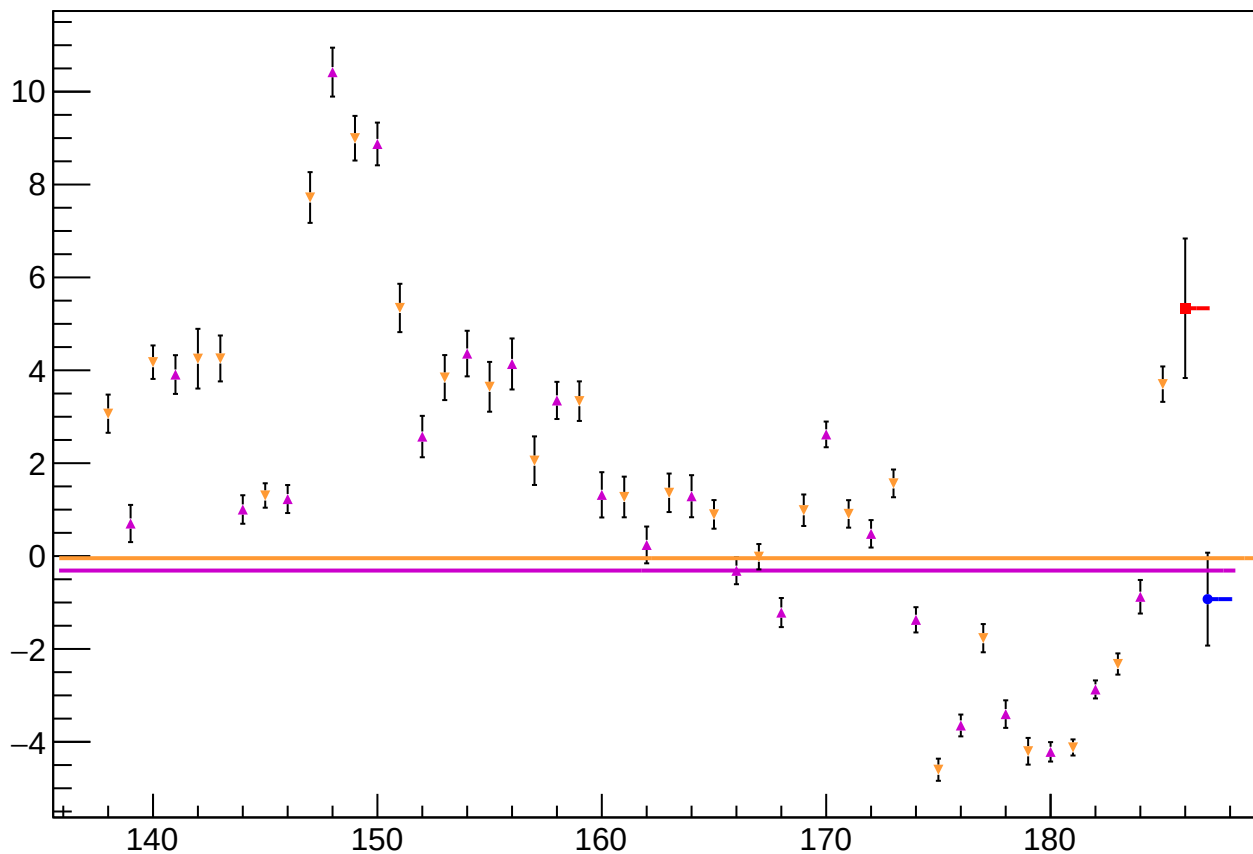
Right: -0.343 $\pm$ 0.103 χ^2 /NDF: 62.0/1

In: 0.255 $\pm$ 0.003 χ^2 /NDF:3647.6/23

Out: 0.276 $\pm$ 0.003 χ^2 /NDF:2699.7/25

All: 0.266 $\pm$ 0.002 χ^2 /NDF: 6370.5/49

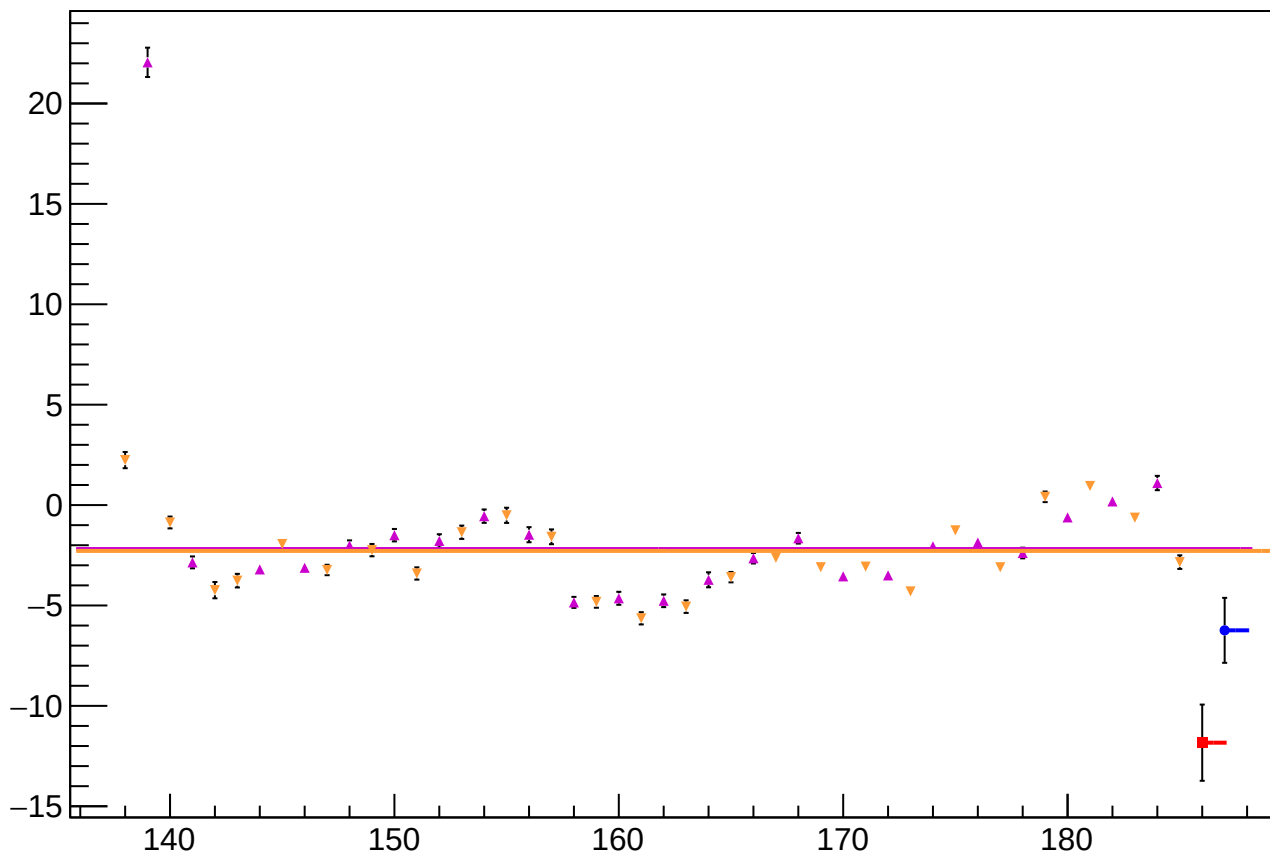
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.927 ± 1.000 χ^2/NDF : 0.0/0
 Left Out: -0.046 ± 0.066 χ^2/NDF : 2628.9/24
 Right Out: 5.336 ± 1.502 χ^2/NDF : 0.0/0
 Left In: -0.312 ± 0.067 χ^2/NDF : 2252.6/22

Left: -0.177 ± 0.047 χ^2/NDF : 4889.5/47
 Right: 0.996 ± 0.832 χ^2/NDF : 12.0/1
 In: -0.315 ± 0.067 χ^2/NDF : 2253.0/23
 Out: -0.035 ± 0.066 χ^2/NDF : 2641.7/25
 All: -0.173 ± 0.047 χ^2/NDF : 4903.6/49

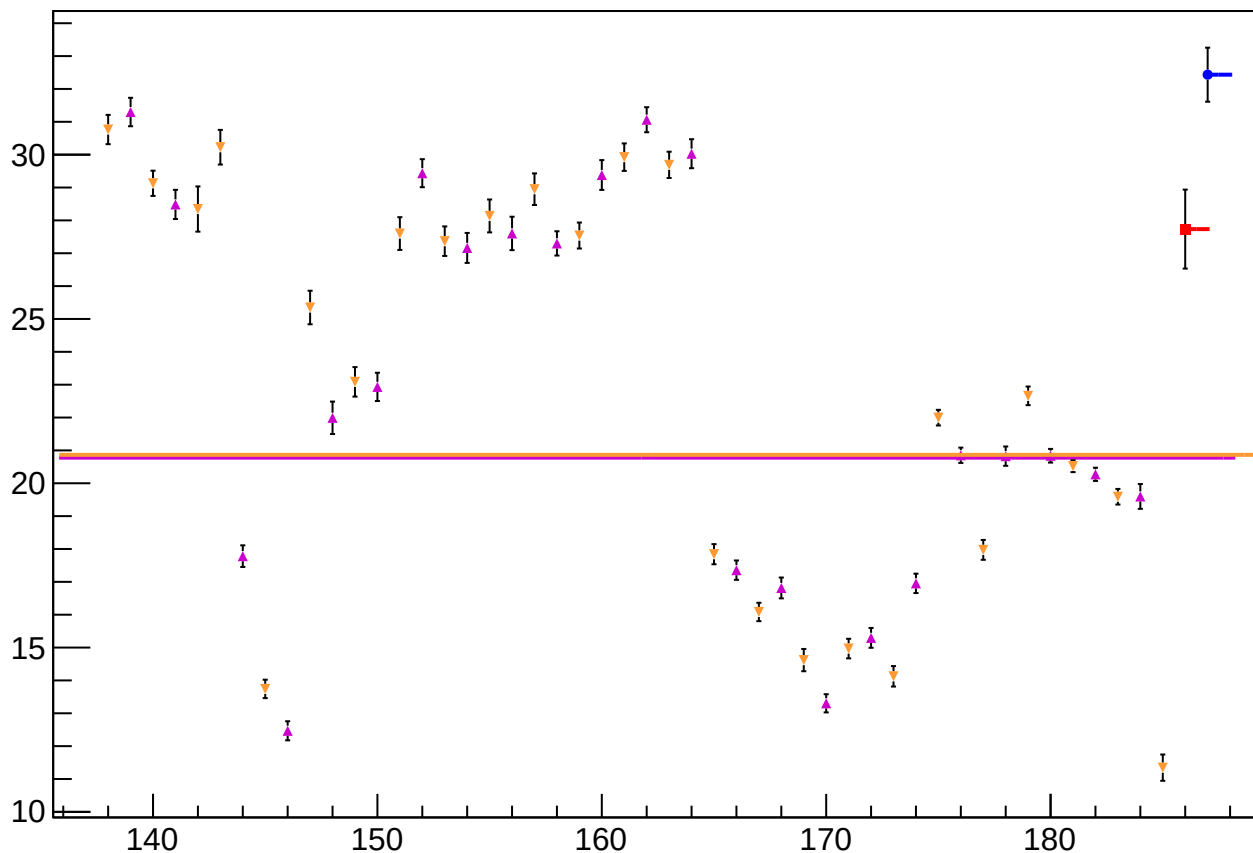
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.238+/-1.618 χ^2/NDF : 0.0/0
 Left Out: -2.283+/-0.054 χ^2/NDF :1132.1/24
 Right Out: -11.834+/-1.898 χ^2/NDF : 0.0/0
 Left In: -2.190+/-0.055 χ^2/NDF :1785.1/22

Left: -2.237+/-0.039 χ^2/NDF : 2918.6/47
 Right: -8.593+/-1.231 χ^2/NDF : 5.0/1
 In: -2.194+/-0.055 χ^2/NDF :1791.3/23
 Out: -2.291+/-0.054 χ^2/NDF :1157.4/25
 All: -2.243+/-0.039 χ^2/NDF : 2950.3/49

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 32.434 $\pm$ 0.822 χ^2 /NDF: 0.0/0

Left Out: 20.865 $\pm$ 0.067 χ^2 /NDF:6608.4/24

Right Out: 27.735 $\pm$ 1.202 χ^2 /NDF: 0.0/0

Left In: 20.780 $\pm$ 0.067 χ^2 /NDF:5988.0/22

Left: 20.823 $\pm$ 0.047 χ^2 /NDF: 12597.2/47

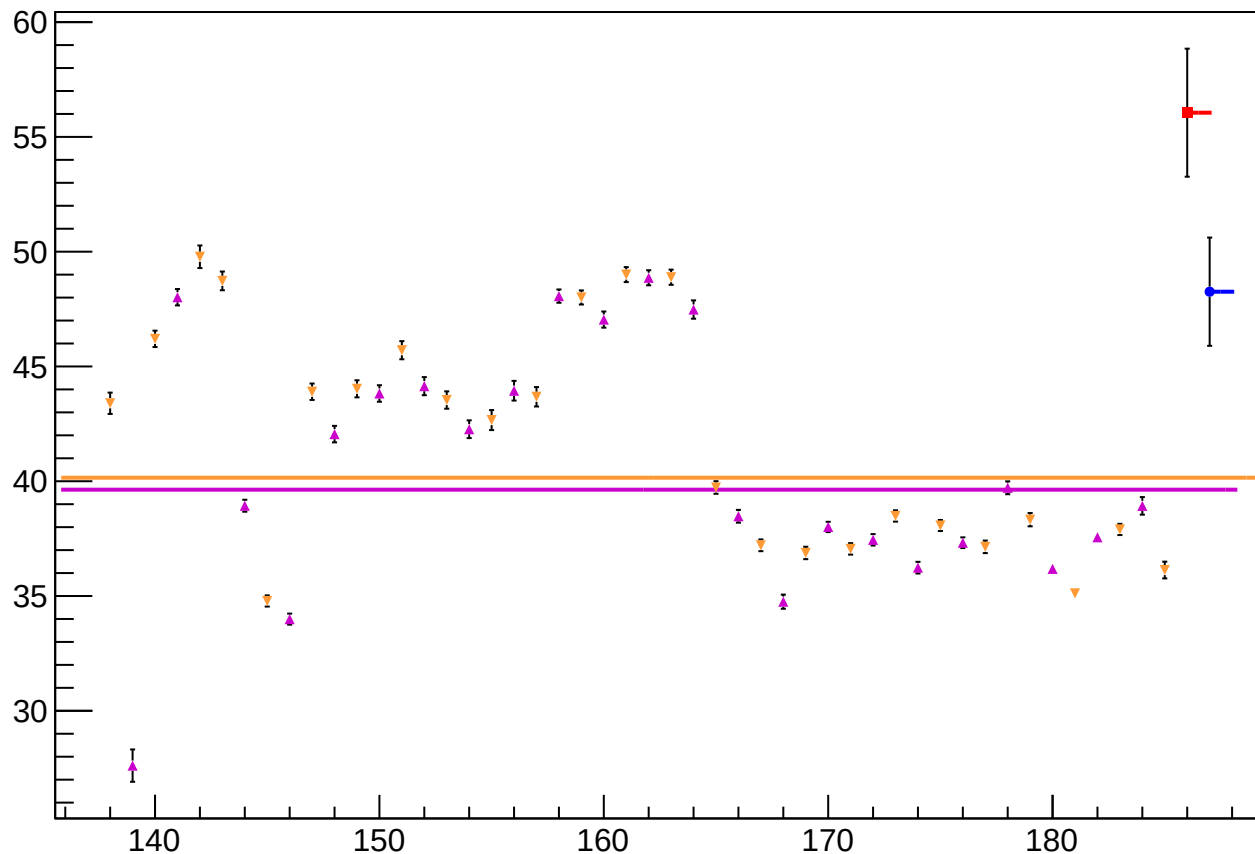
Right: 30.936 $\pm$ 0.678 χ^2 /NDF: 10.4/1

In: 20.857 $\pm$ 0.067 χ^2 /NDF:6187.7/23

Out: 20.886 $\pm$ 0.067 χ^2 /NDF:6640.9/25

All: 20.872 $\pm$ 0.047 χ^2 /NDF: 12828.7/49

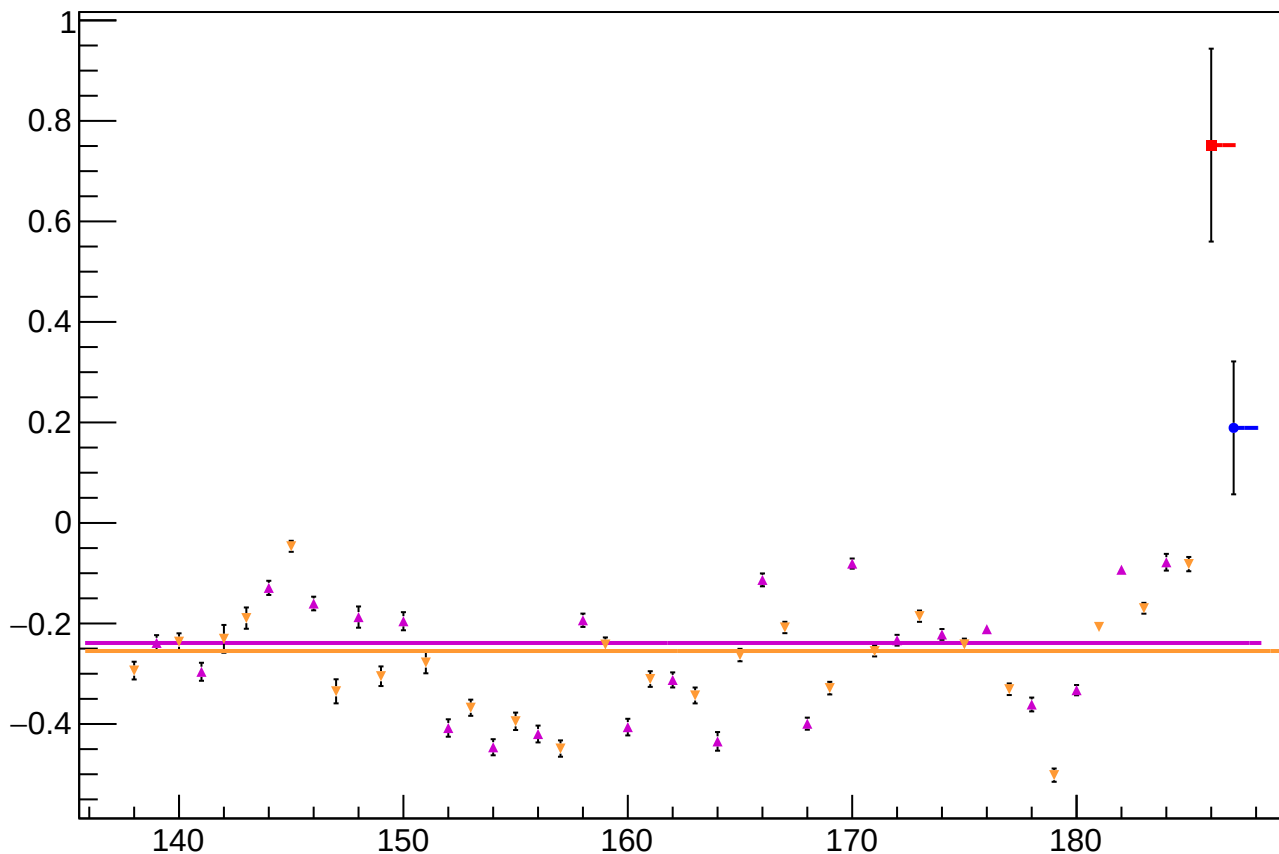
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 48.257 $\pm$ 2.358 χ^2 /NDF: 0.0/0
 Left Out: 40.154 $\pm$ 0.060 χ^2 /NDF:5861.6/24
 Right Out: 56.055 $\pm$ 2.789 χ^2 /NDF: 0.0/0
 Left In: 39.632 $\pm$ 0.061 χ^2 /NDF:5343.3/22

Left: 39.896 $\pm$ 0.043 χ^2 /NDF: 11241.6/47
 Right: 51.507 $\pm$ 1.801 χ^2 /NDF: 4.6/1
 In: 39.638 $\pm$ 0.061 χ^2 /NDF:5356.7/23
 Out: 40.161 $\pm$ 0.060 χ^2 /NDF:5894.1/25
 All: 39.903 $\pm$ 0.043 χ^2 /NDF: 11287.7/49

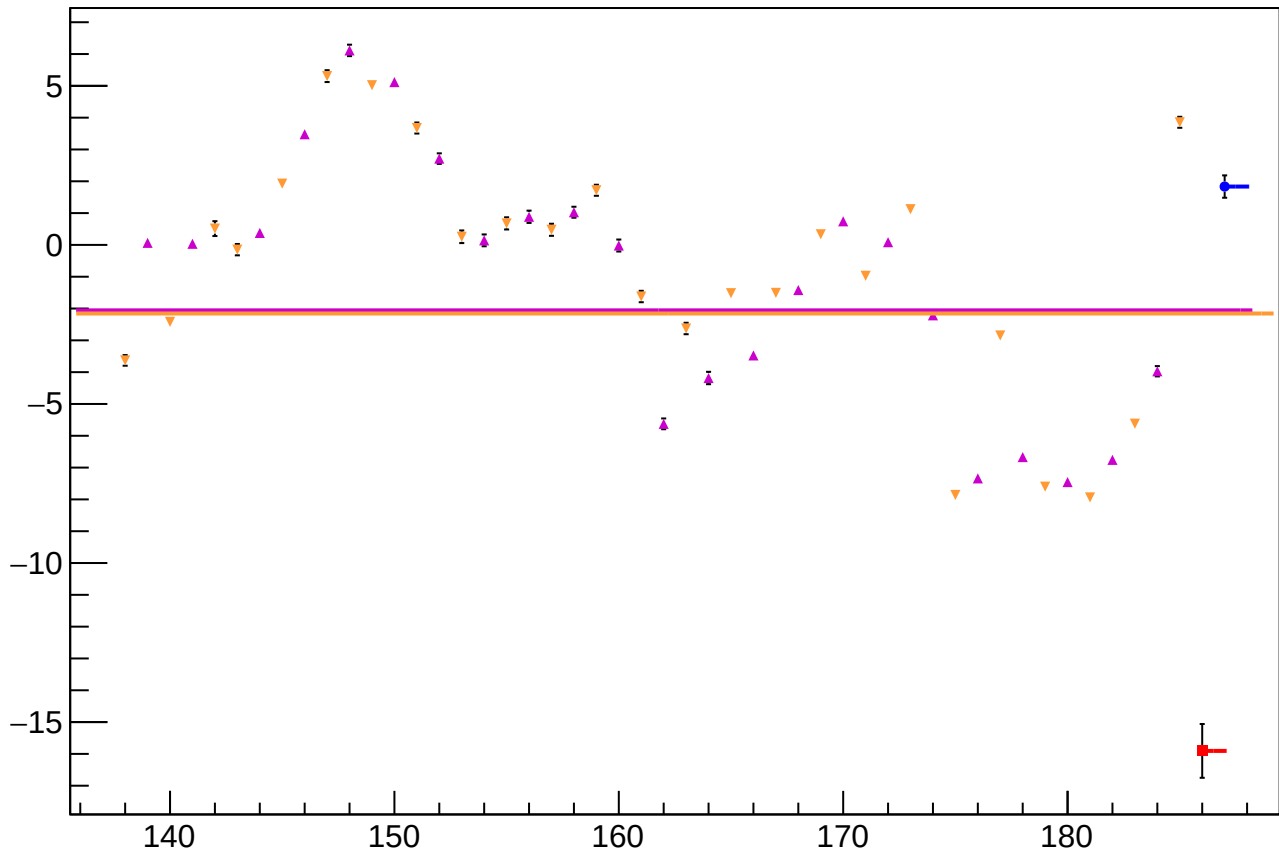
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.189 ± 0.132 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -0.255 ± 0.003 $\chi^2/\text{NDF}: 1417.7/24$
 Right Out: 0.752 ± 0.192 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1750.0/22$

Left: -0.247 ± 0.002 $\chi^2/\text{NDF}: 3184.5/47$
 Right: 0.370 ± 0.109 $\chi^2/\text{NDF}: 5.8/1$
 In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1760.5/23$
 Out: -0.255 ± 0.003 $\chi^2/\text{NDF}: 1445.2/25$
 All: -0.247 ± 0.002 $\chi^2/\text{NDF}: 3222.4/49$

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.834+/-0.352 χ^2/NDF : 0.0/0

Left Out: -2.156+/-0.026 χ^2/NDF : 24501.3/24

Right Out: -15.906+/-0.845 χ^2/NDF : 0.0/0

Left In: -2.058+/-0.026 χ^2/NDF : 23343.8/22

Left: -2.107+/-0.018 χ^2/NDF : 47852.3/47

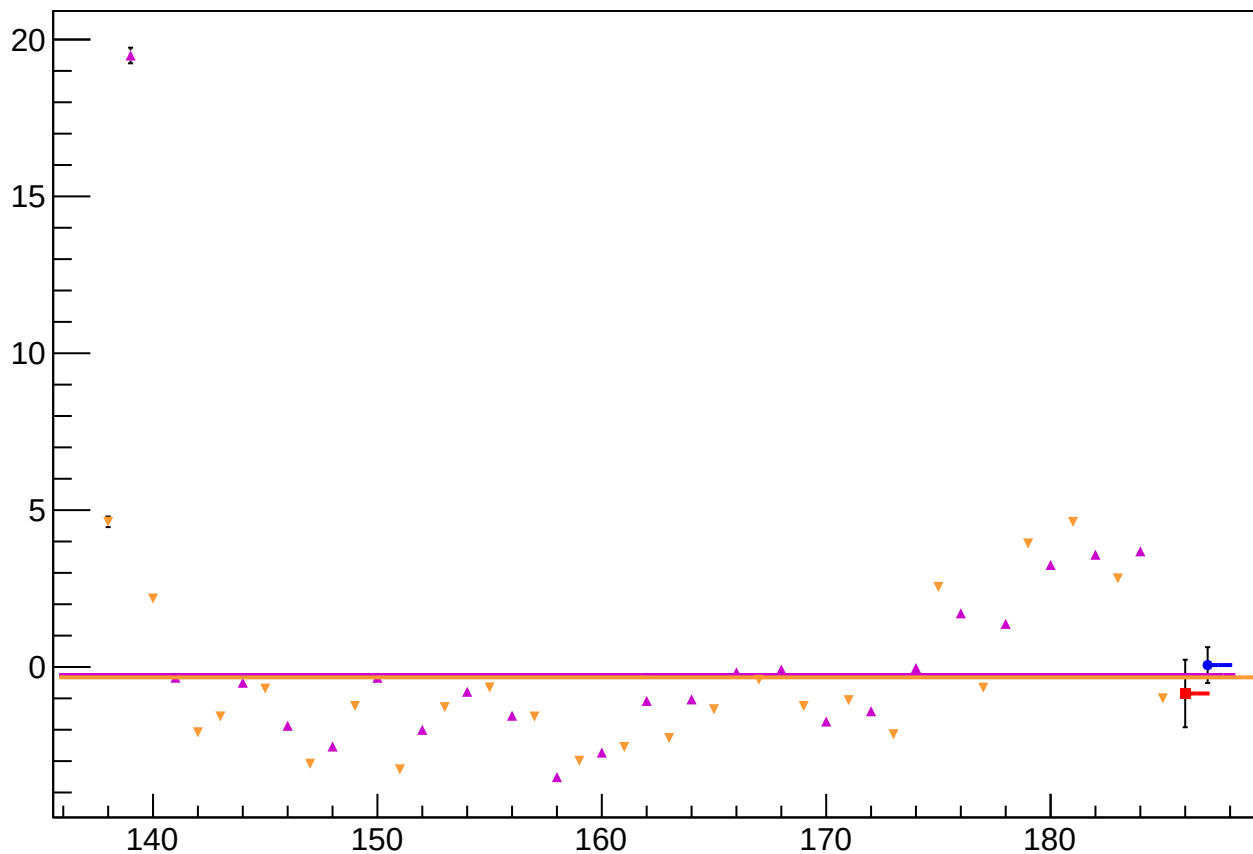
Right: -0.782+/-0.325 χ^2/NDF : 375.4/1

In: -2.037+/-0.026 χ^2/NDF : 23465.6/23

Out: -2.169+/-0.026 χ^2/NDF : 24765.6/25

All: -2.103+/-0.018 χ^2/NDF : 48244.4/49

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.061+/-0.571 χ^2/NDF : 0.0/0

Left Out: -0.331+/-0.021 χ^2/NDF :12552.3/24

Right Out: -0.845+/-1.076 χ^2/NDF : 0.0/0

Left In: -0.255+/-0.021 χ^2/NDF :14162.0/22

Left: -0.293+/-0.015 χ^2/NDF : 26721.1/47

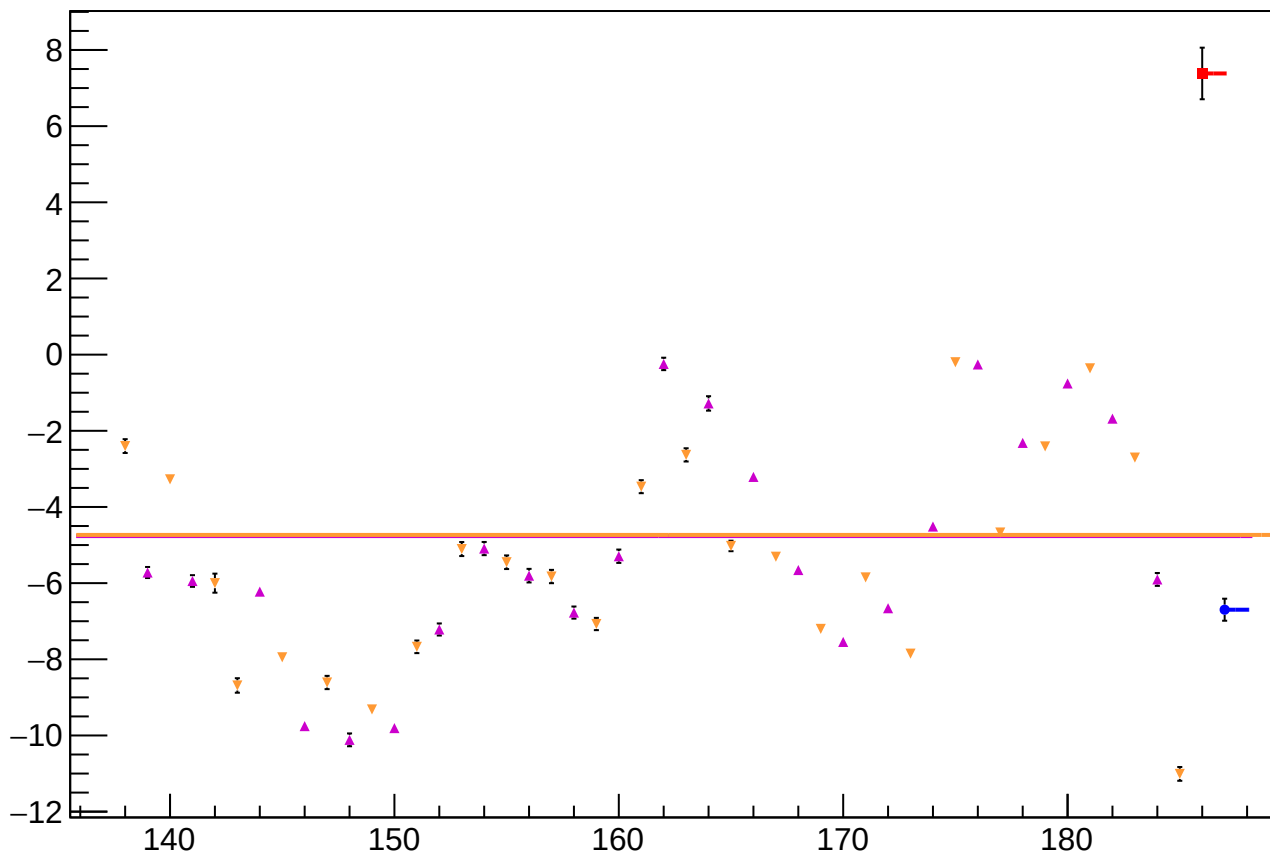
Right: -0.138+/-0.504 χ^2/NDF : 0.6/1

In: -0.254+/-0.021 χ^2/NDF :14162.3/23

Out: -0.331+/-0.021 χ^2/NDF :12552.6/25

All: -0.293+/-0.015 χ^2/NDF : 26721.7/49

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



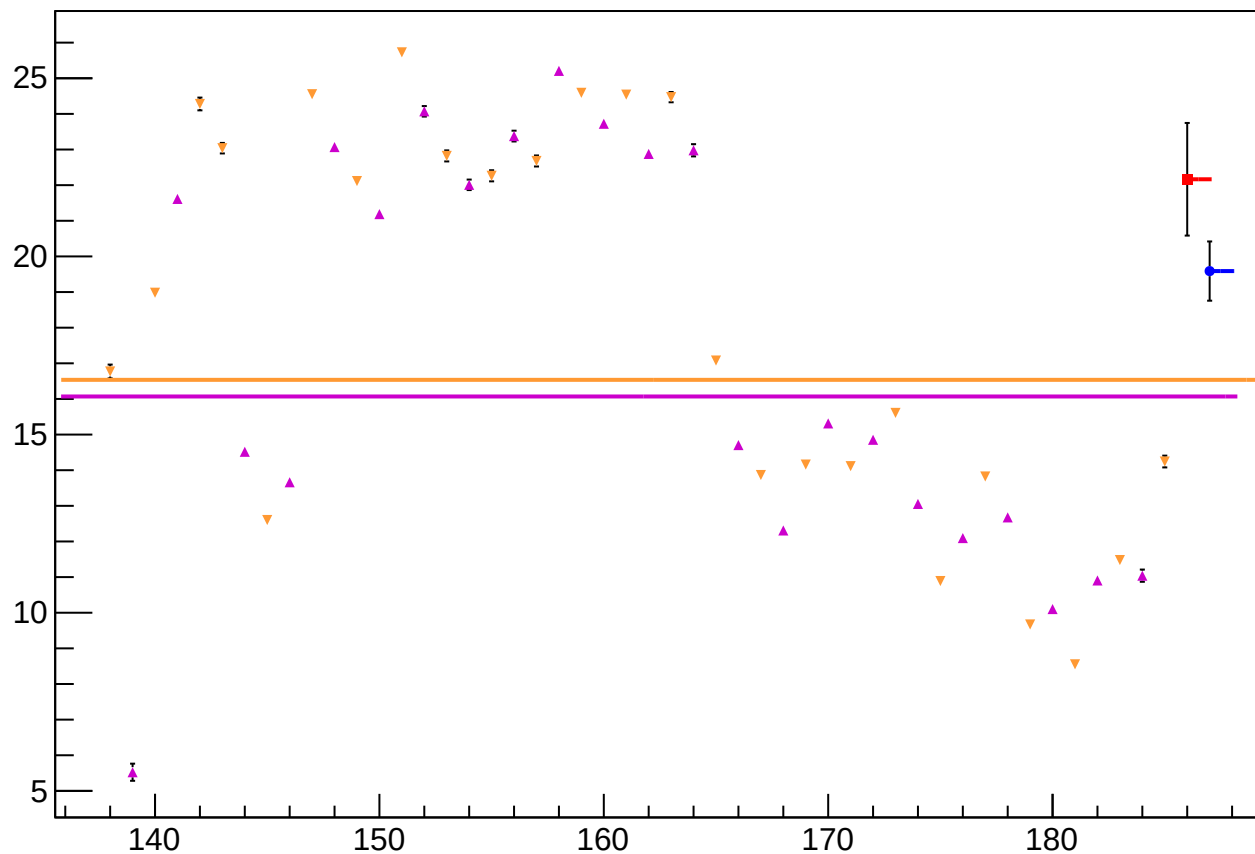
Right In: -6.698+/-0.289 χ^2 /NDF: 0.0/0
 Left Out: -4.734+/-0.026 χ^2 /NDF:13188.7/24
 Right Out: 7.383+/-0.677 χ^2 /NDF: 0.0/0
 Left In: -4.764+/-0.026 χ^2 /NDF:14163.2/22

Left: -4.749+/-0.018 χ^2 /NDF: 27352.6/47
 Right: -4.526+/-0.266 χ^2 /NDF: 365.6/1

In: -4.780+/-0.026 χ^2 /NDF:14207.5/23
 Out: -4.716+/-0.026 χ^2 /NDF:13508.3/25

All: -4.748+/-0.018 χ^2 /NDF: 27718.9/49

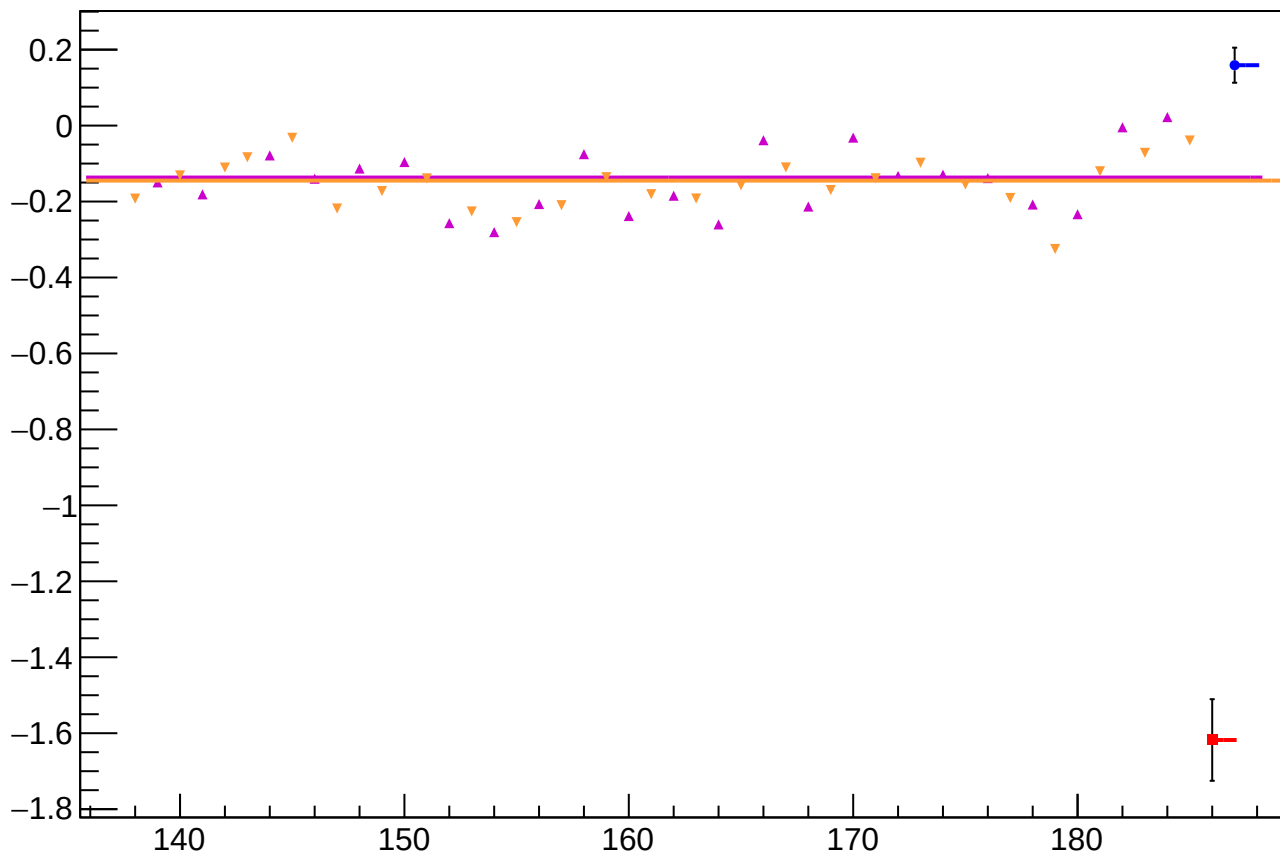
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.589 $\pm$ 0.831 χ^2 /NDF: 0.0/0
 Left Out: 16.536 $\pm$ 0.023 χ^2 /NDF:53546.9/24
 Right Out: 22.165 $\pm$ 1.581 χ^2 /NDF: 0.0/0
 Left In: 16.069 $\pm$ 0.023 χ^2 /NDF:42736.3/22

Left: 16.306 $\pm$ 0.016 χ^2 /NDF: 96483.6/47
 Right: 20.147 $\pm$ 0.736 χ^2 /NDF: 2.1/1
 In: 16.072 $\pm$ 0.023 χ^2 /NDF:42754.2/23
 Out: 16.537 $\pm$ 0.023 χ^2 /NDF:53559.6/25
 All: 16.307 $\pm$ 0.016 χ^2 /NDF: 96512.9/49

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.159+/-0.046 χ^2/NDF : 0.0/0

Left Out: -0.145+/-0.001 χ^2/NDF : 3755.1/24

Right Out: -1.618+/-0.107 χ^2/NDF : 0.0/0

Left In: -0.137+/-0.001 χ^2/NDF : 5383.4/22

Left: -0.141+/-0.001 χ^2/NDF : 9167.1/47

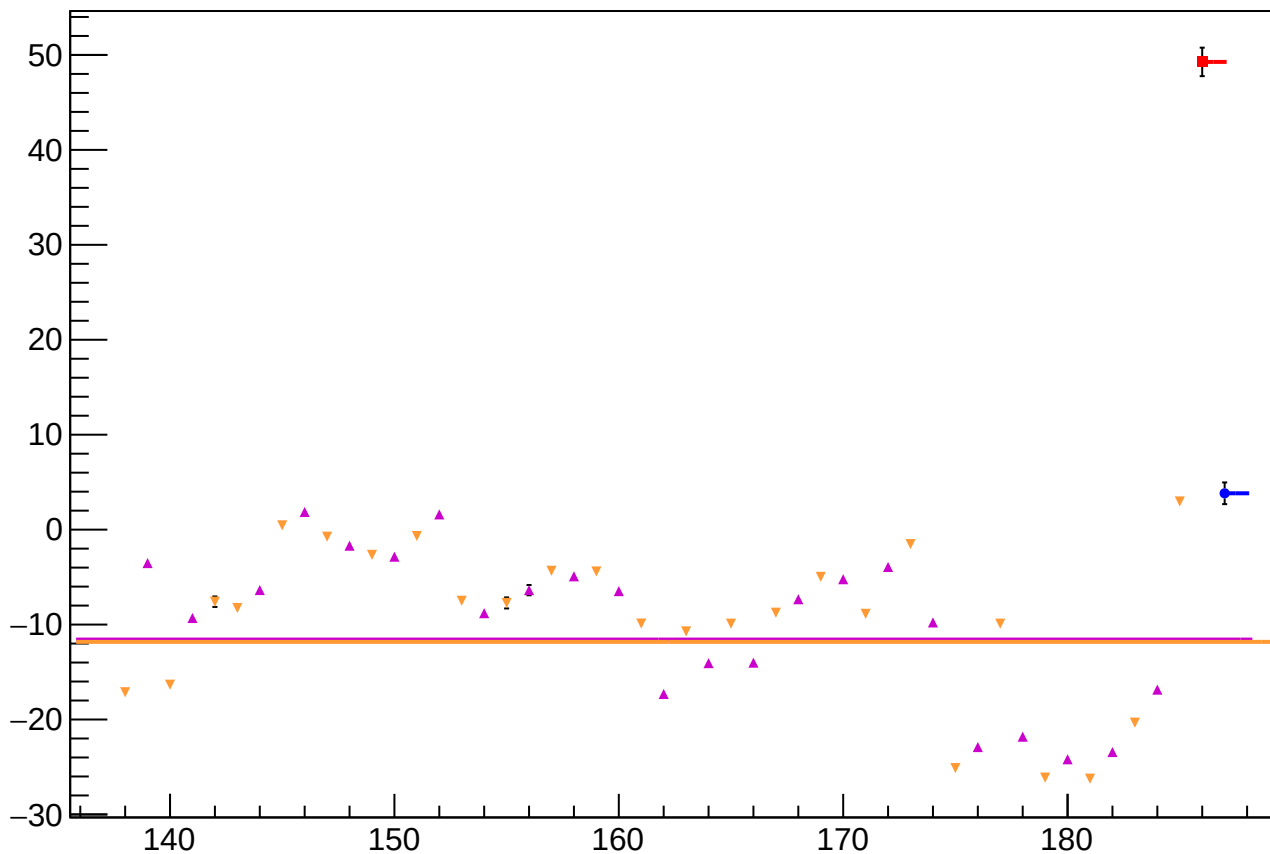
Right: -0.118+/-0.042 χ^2/NDF : 230.9/1

In: -0.137+/-0.001 χ^2/NDF : 5424.4/23

Out: -0.145+/-0.001 χ^2/NDF : 3943.0/25

All: -0.141+/-0.001 χ^2/NDF : 9398.3/49

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.828+/-1.143 χ^2/NDF : 0.0/0

Left Out: -11.823+/-0.070 χ^2/NDF :17277.3/24

Right Out: 49.267+/-1.500 χ^2/NDF : 0.0/0

Left In: -11.580+/-0.071 χ^2/NDF :14243.6/22

Left: -11.703+/-0.050 χ^2/NDF : 31526.7/47

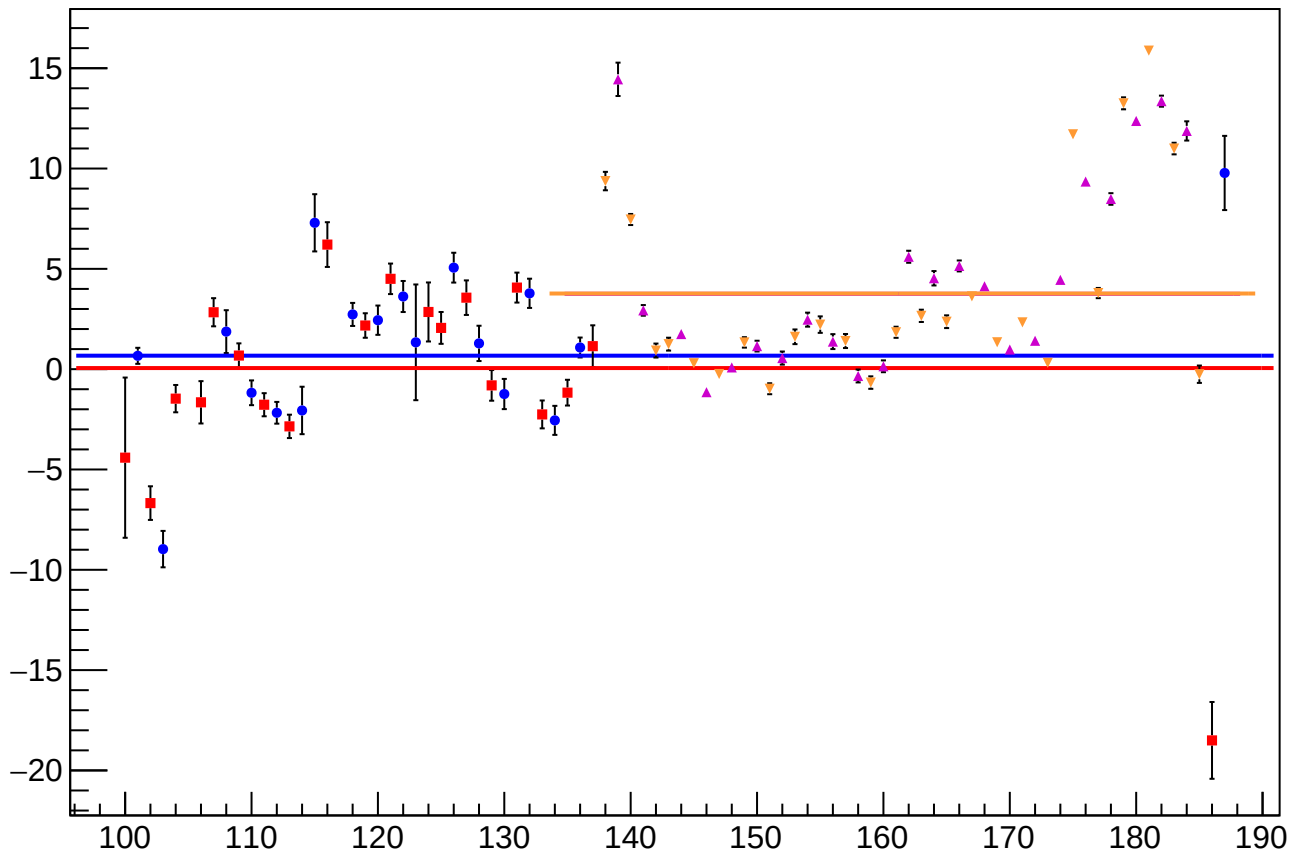
Right: 20.520+/-0.909 χ^2/NDF : 580.7/1

In: -11.520+/-0.071 χ^2/NDF :14424.7/23

Out: -11.688+/-0.070 χ^2/NDF :18932.7/25

All: -11.605+/-0.050 χ^2/NDF : 33360.2/49

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.672 ± 0.168 χ^2/NDF : 315.6/17

Left Out: 3.770 ± 0.056 χ^2/NDF : 7420.4/24

Right Out: 0.055 ± 0.174 χ^2/NDF : 368.3/19

Left In: 3.755 ± 0.056 χ^2/NDF : 5655.2/22

Left: 3.763 ± 0.040 χ^2/NDF : 13075.6/47

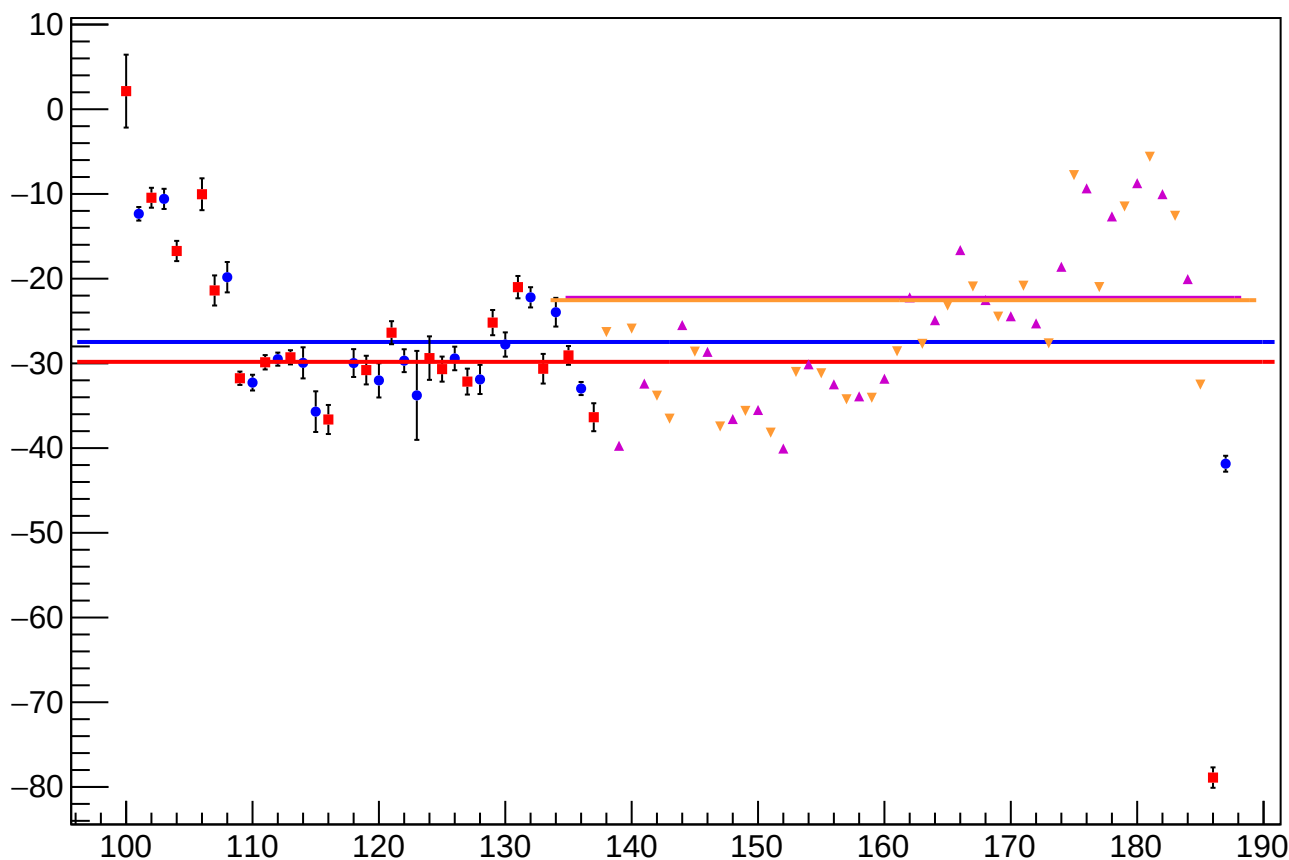
Right: 0.374 ± 0.121 χ^2/NDF : 690.4/37

In: 3.444 ± 0.054 χ^2/NDF : 6272.6/40

Out: 3.425 ± 0.053 χ^2/NDF : 8202.6/44

All: 3.434 ± 0.038 χ^2/NDF : 14475.3/85

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -27.473 ± 0.285 $\chi^2/\text{NDF}: 950.7/17$

Left Out: -22.540 ± 0.071 $\chi^2/\text{NDF}: 19751.6/24$

Right Out: -29.819 ± 0.289 $\chi^2/\text{NDF}: 2340.6/19$

Left In: -22.258 ± 0.071 $\chi^2/\text{NDF}: 17838.4/22$

Left: -22.400 ± 0.050 $\chi^2/\text{NDF}: 37597.8/47$

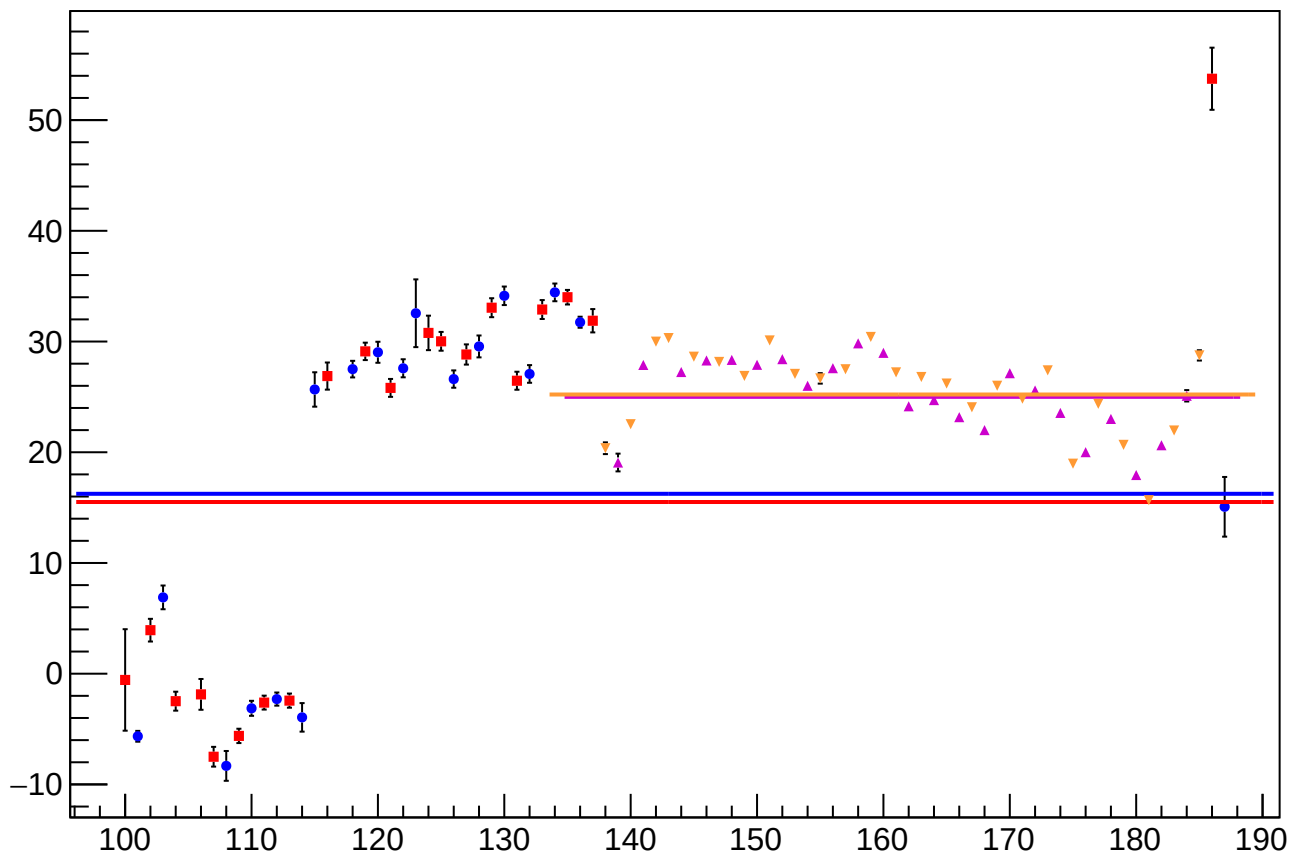
Right: -28.632 ± 0.203 $\chi^2/\text{NDF}: 3324.6/37$

In: -22.565 ± 0.069 $\chi^2/\text{NDF}: 19103.2/40$

Out: -22.952 ± 0.069 $\chi^2/\text{NDF}: 22691.4/44$

All: -22.760 ± 0.049 $\chi^2/\text{NDF}: 41810.4/85$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.247 $\pm$ 0.191 χ^2 /NDF: 7611.5/17

Left Out: 25.216 $\pm$ 0.063 χ^2 /NDF:3738.3/24

Right Out: 15.506 $\pm$ 0.197 χ^2 /NDF: 7466.6/19

Left In: 25.005 $\pm$ 0.064 χ^2 /NDF:2733.7/22

Left: 25.112 $\pm$ 0.045 χ^2 /NDF: 6477.5/47

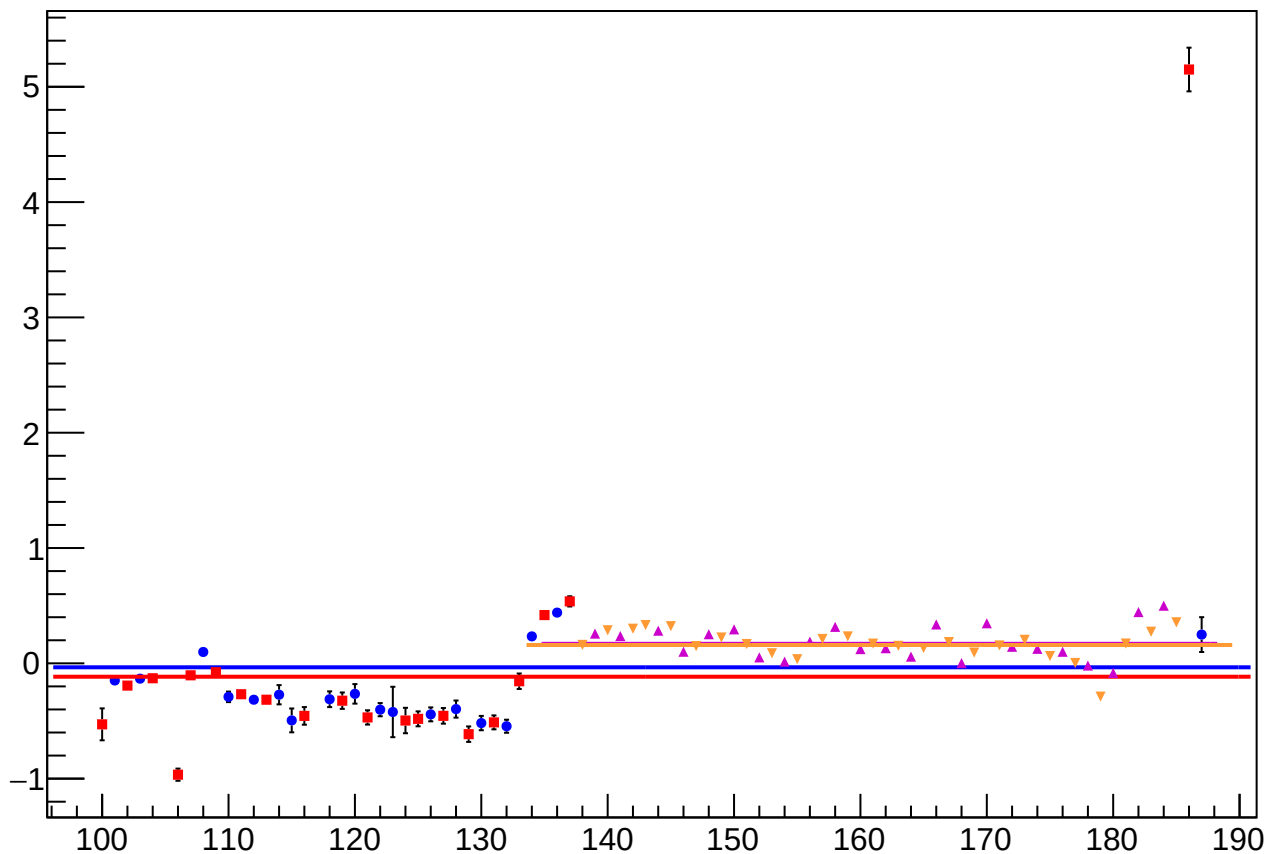
Right: 15.888 $\pm$ 0.137 χ^2 /NDF: 15085.4/37

In: 24.127 $\pm$ 0.060 χ^2 /NDF:12245.8/40

Out: 24.318 $\pm$ 0.060 χ^2 /NDF:13420.4/44

All: 24.223 $\pm$ 0.042 χ^2 /NDF: 25671.3/85

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.034 ± 0.010 χ^2/NDF : 1018.0/17

Left Out: 0.159 ± 0.003 χ^2/NDF : 1856.8/24

Right Out: -0.116 ± 0.010 χ^2/NDF : 1946.6/19

Left In: 0.169 ± 0.003 χ^2/NDF : 2430.7/22

Left: 0.164 ± 0.002 χ^2/NDF : 4293.8/47

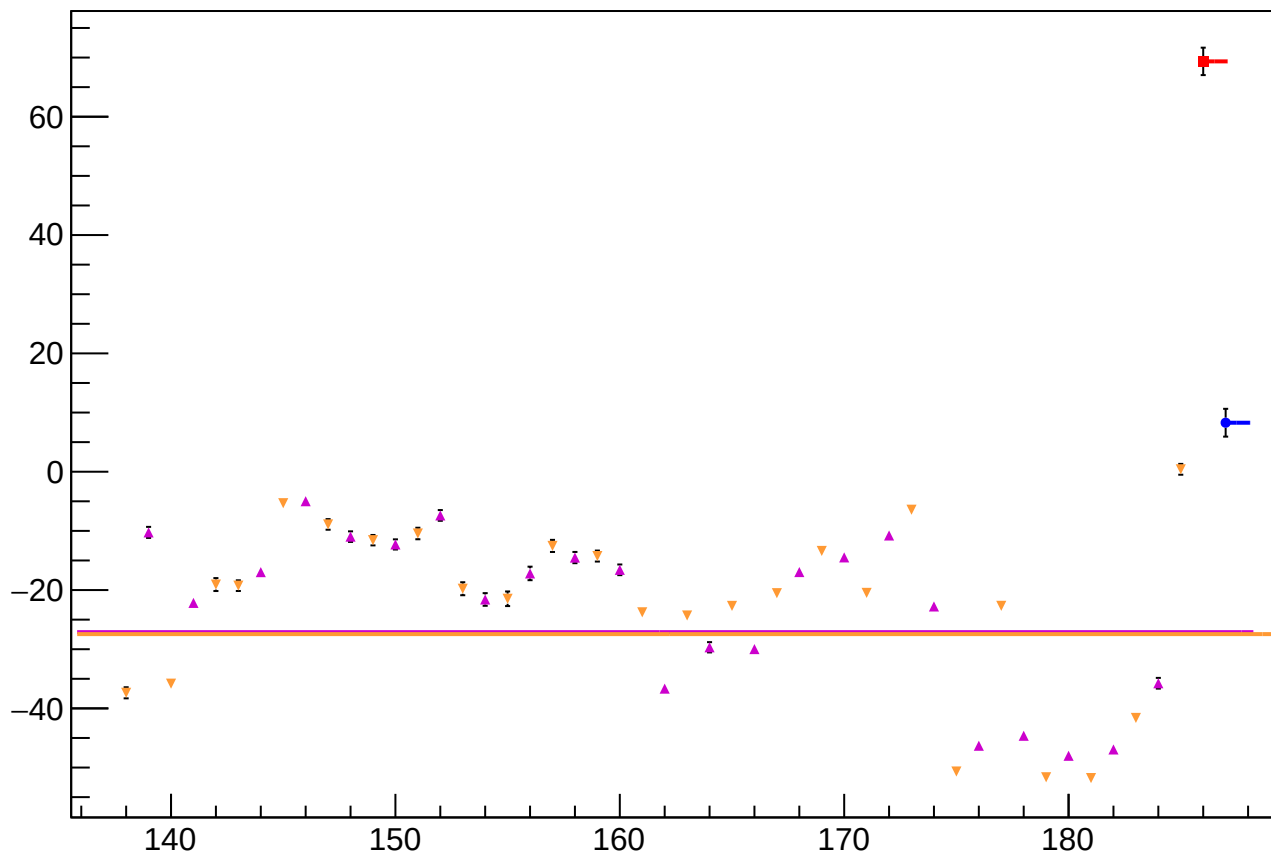
Right: -0.075 ± 0.007 χ^2/NDF : 2996.1/37

In: 0.154 ± 0.003 χ^2/NDF : 3811.3/40

Out: 0.139 ± 0.003 χ^2/NDF : 4460.3/44

All: 0.147 ± 0.002 χ^2/NDF : 8285.9/85

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 8.281 ± 2.351 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -27.447 ± 0.137 $\chi^2/\text{NDF}: 14820.6/24$

Right Out: 69.353 ± 2.317 $\chi^2/\text{NDF}: 0.0/0$

Left In: -27.114 ± 0.139 $\chi^2/\text{NDF}: 11443.8/22$

Left: -27.283 ± 0.097 $\chi^2/\text{NDF}: 26267.3/47$

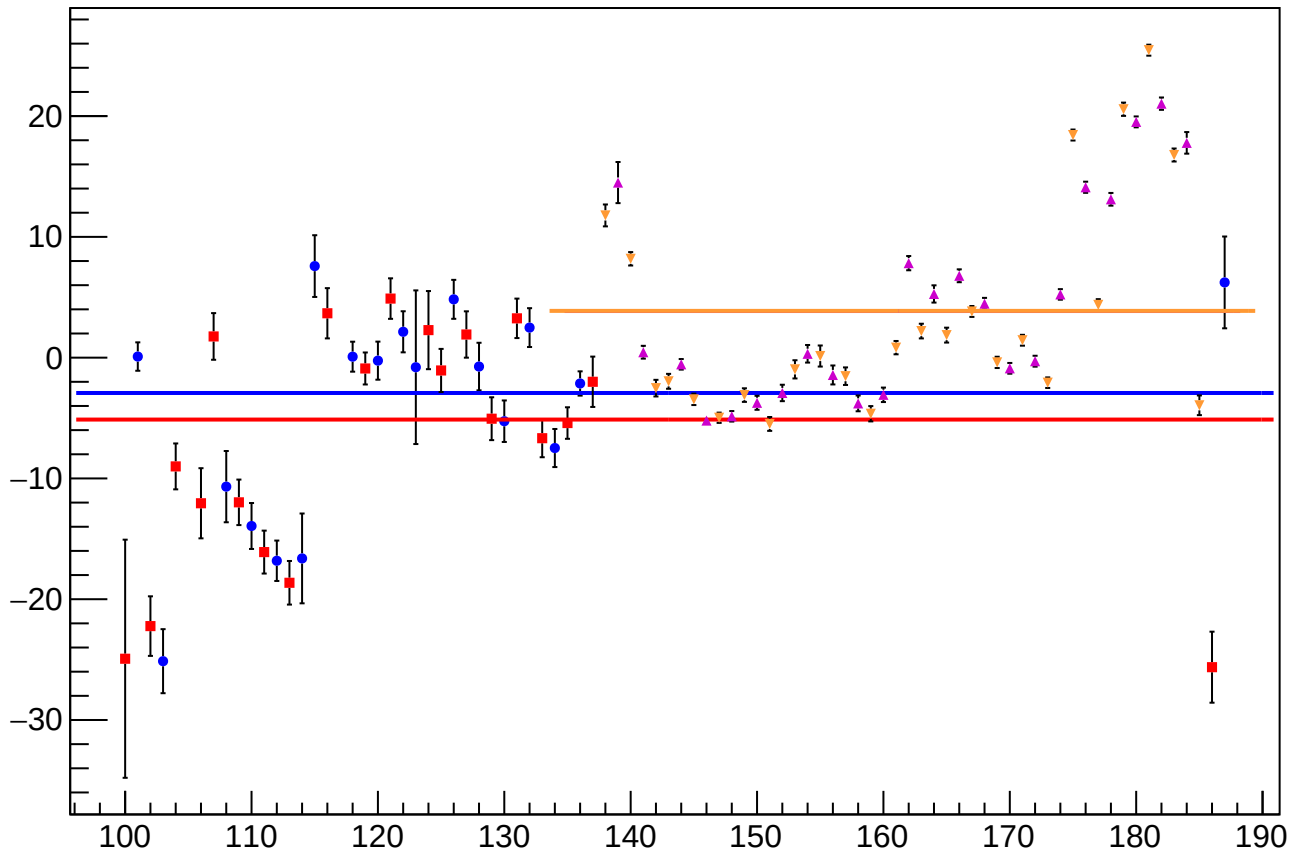
Right: 39.250 ± 1.650 $\chi^2/\text{NDF}: 342.3/1$

In: -26.992 ± 0.138 $\chi^2/\text{NDF}: 11669.7/23$

Out: -27.110 ± 0.137 $\chi^2/\text{NDF}: 16559.3/25$

All: -27.051 ± 0.097 $\chi^2/\text{NDF}: 28229.4/49$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.925 ± 0.405 χ^2/NDF : 286.7/17

Left Out: 3.873 ± 0.109 χ^2/NDF : 6906.0/24

Right Out: -5.126 ± 0.422 χ^2/NDF : 347.9/19

Left In: 3.861 ± 0.111 χ^2/NDF : 5438.4/22

Left: 3.867 ± 0.078 χ^2/NDF : 12344.4/47

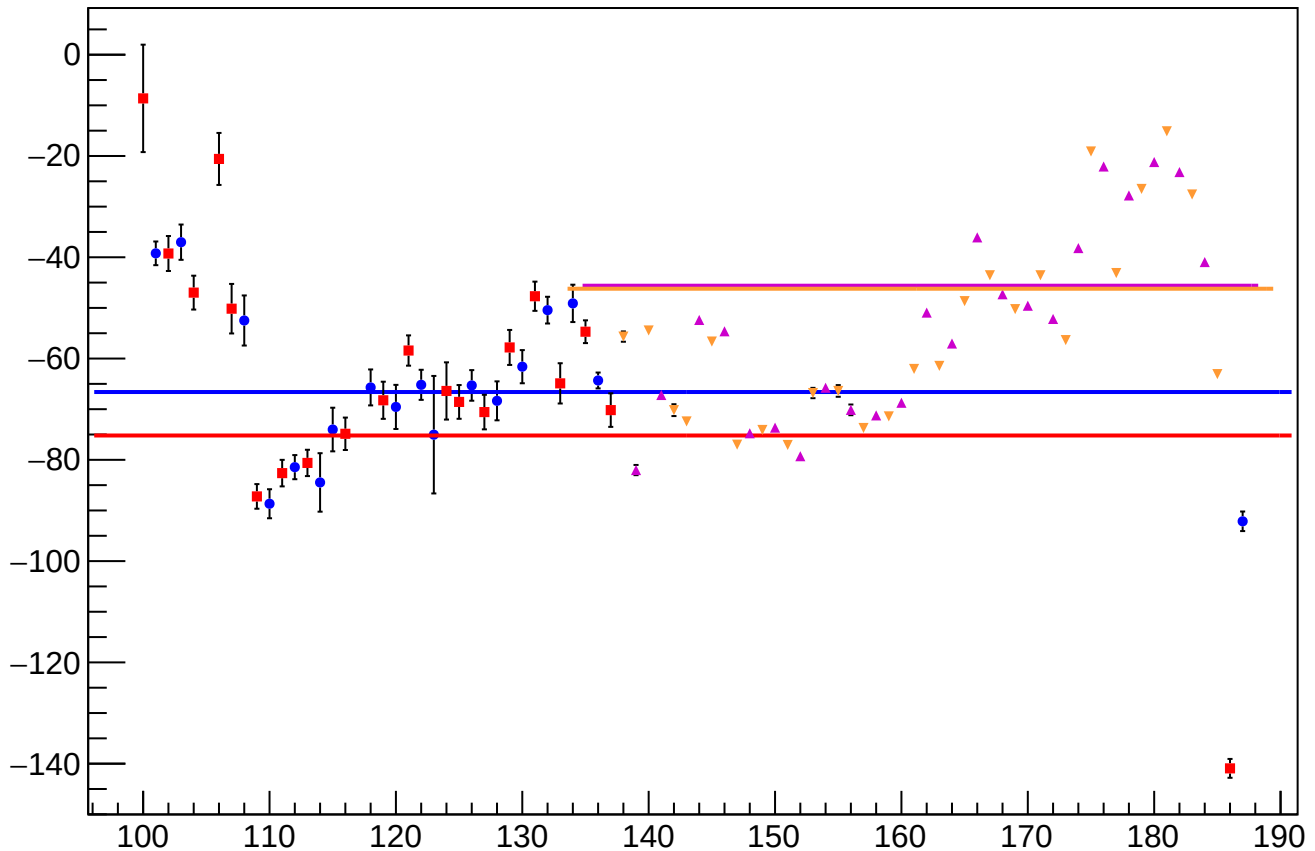
Right: -3.980 ± 0.292 χ^2/NDF : 648.7/37

In: 3.389 ± 0.107 χ^2/NDF : 5986.0/40

Out: 3.306 ± 0.106 χ^2/NDF : 7679.5/44

All: 3.347 ± 0.075 χ^2/NDF : 13665.9/85

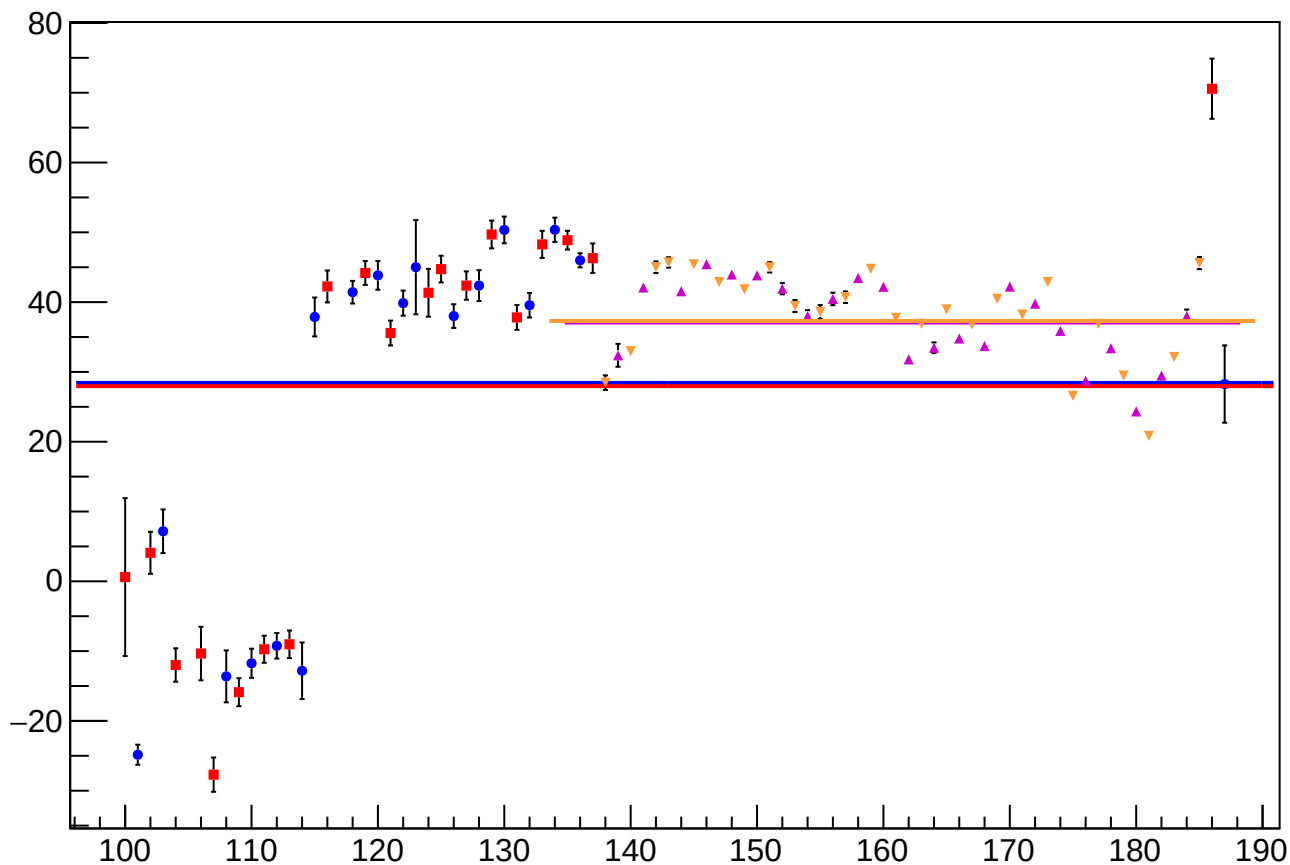
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.610 ± 0.689 χ^2/NDF : 568.8/17
 Left Out: -46.213 ± 0.138 χ^2/NDF : 19981.0/24
 Right Out: -75.195 ± 0.697 χ^2/NDF : 1892.1/19
 Left In: -45.616 ± 0.139 χ^2/NDF : 17743.8/22

Left: -45.917 ± 0.098 χ^2/NDF : 37734.0/47
 Right: -70.857 ± 0.490 χ^2/NDF : 2537.6/37
 In: -46.438 ± 0.136 χ^2/NDF : 19203.7/40
 Out: -47.309 ± 0.135 χ^2/NDF : 23538.1/44
 All: -46.877 ± 0.096 χ^2/NDF : 42762.3/85

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.424 $\pm$ 0.456 χ^2 /NDF: 3330.3/17

Left Out: 37.298 $\pm$ 0.123 χ^2 /NDF:3113.0/24

Right Out: 27.967 $\pm$ 0.476 χ^2 /NDF: 3132.0/19

Left In: 37.079 $\pm$ 0.125 χ^2 /NDF:2405.4/22

Left: 37.190 $\pm$ 0.088 χ^2 /NDF: 5519.9/47

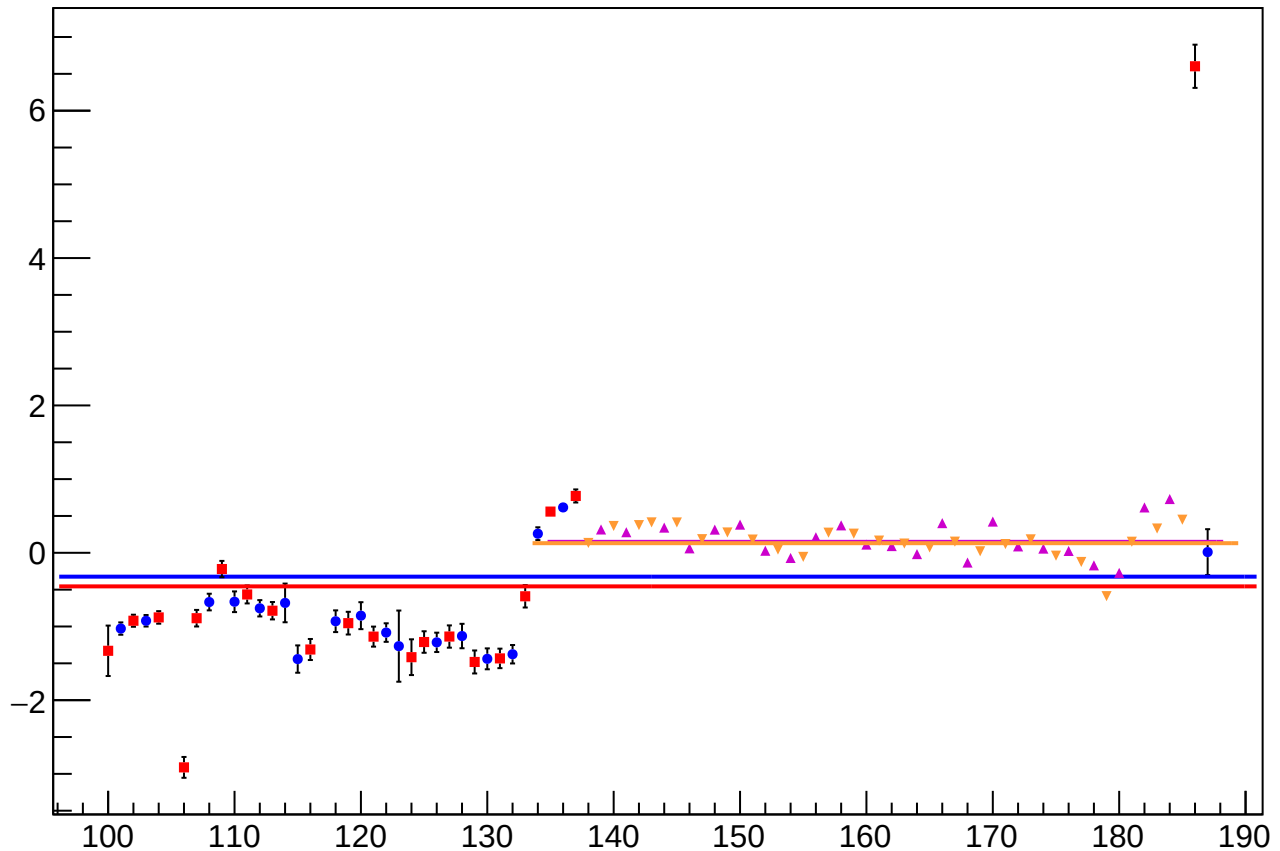
Right: 28.205 $\pm$ 0.329 χ^2 /NDF: 6462.8/37

In: 36.476 $\pm$ 0.120 χ^2 /NDF:6071.5/40

Out: 36.712 $\pm$ 0.119 χ^2 /NDF:6605.6/44

All: 36.595 $\pm$ 0.085 χ^2 /NDF: 12679.1/85

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.324 ± 0.025 χ^2/NDF : 1014.2/17

Left Out: 0.130 ± 0.006 χ^2/NDF : 1419.7/24

Right Out: -0.456 ± 0.026 χ^2/NDF : 1753.3/19

Left In: 0.149 ± 0.006 χ^2/NDF : 1813.7/22

Left: 0.139 ± 0.004 χ^2/NDF : 3238.6/47

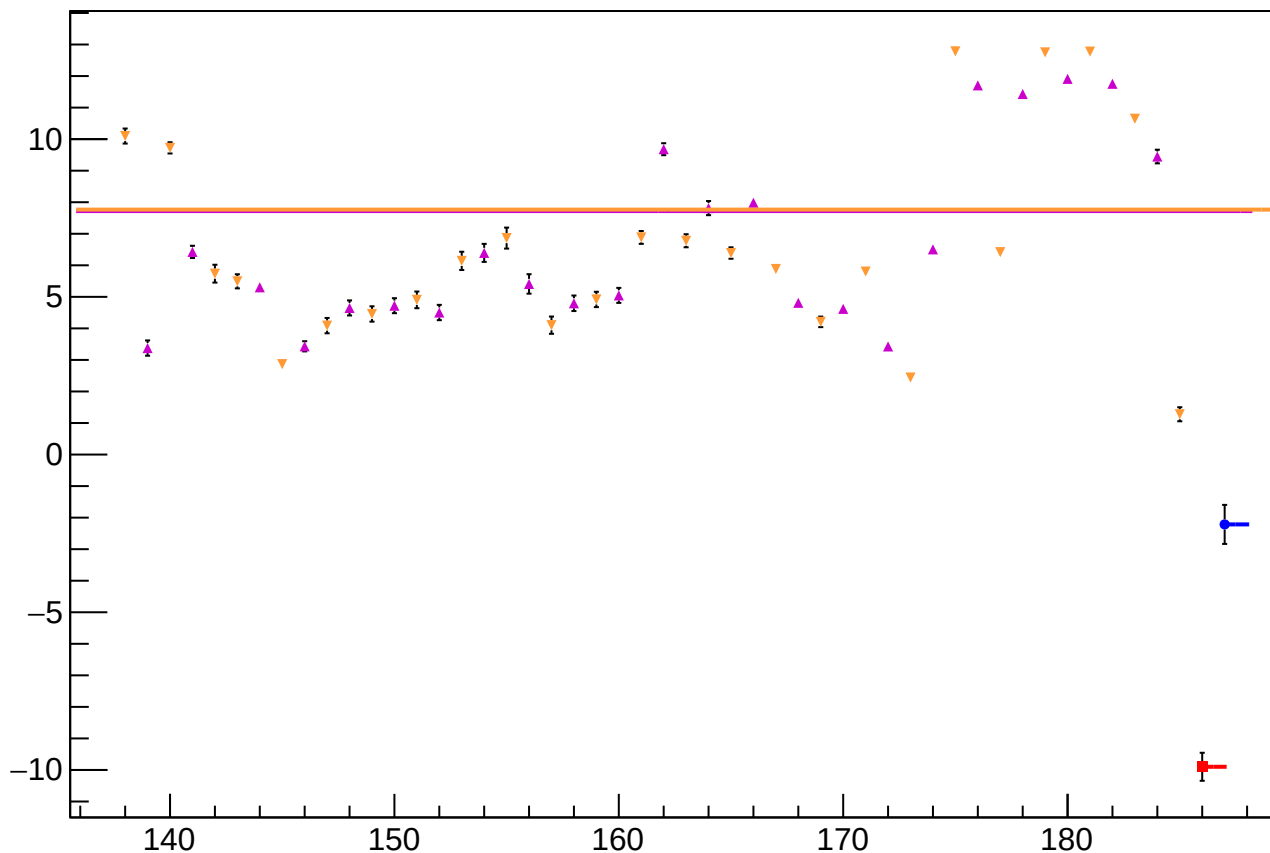
Right: -0.388 ± 0.018 χ^2/NDF : 2781.1/37

In: 0.125 ± 0.006 χ^2/NDF : 3172.0/40

Out: 0.103 ± 0.006 χ^2/NDF : 3672.9/44

All: 0.114 ± 0.004 χ^2/NDF : 6852.7/85

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.215 ± 0.619 χ^2/NDF : 0.0/0

Left Out: 7.766 ± 0.034 χ^2/NDF : 11703.8/24

Right Out: -9.899 ± 0.444 χ^2/NDF : 0.0/0

Left In: 7.719 ± 0.035 χ^2/NDF : 8490.5/22

Left: 7.743 ± 0.025 χ^2/NDF : 20195.2/47

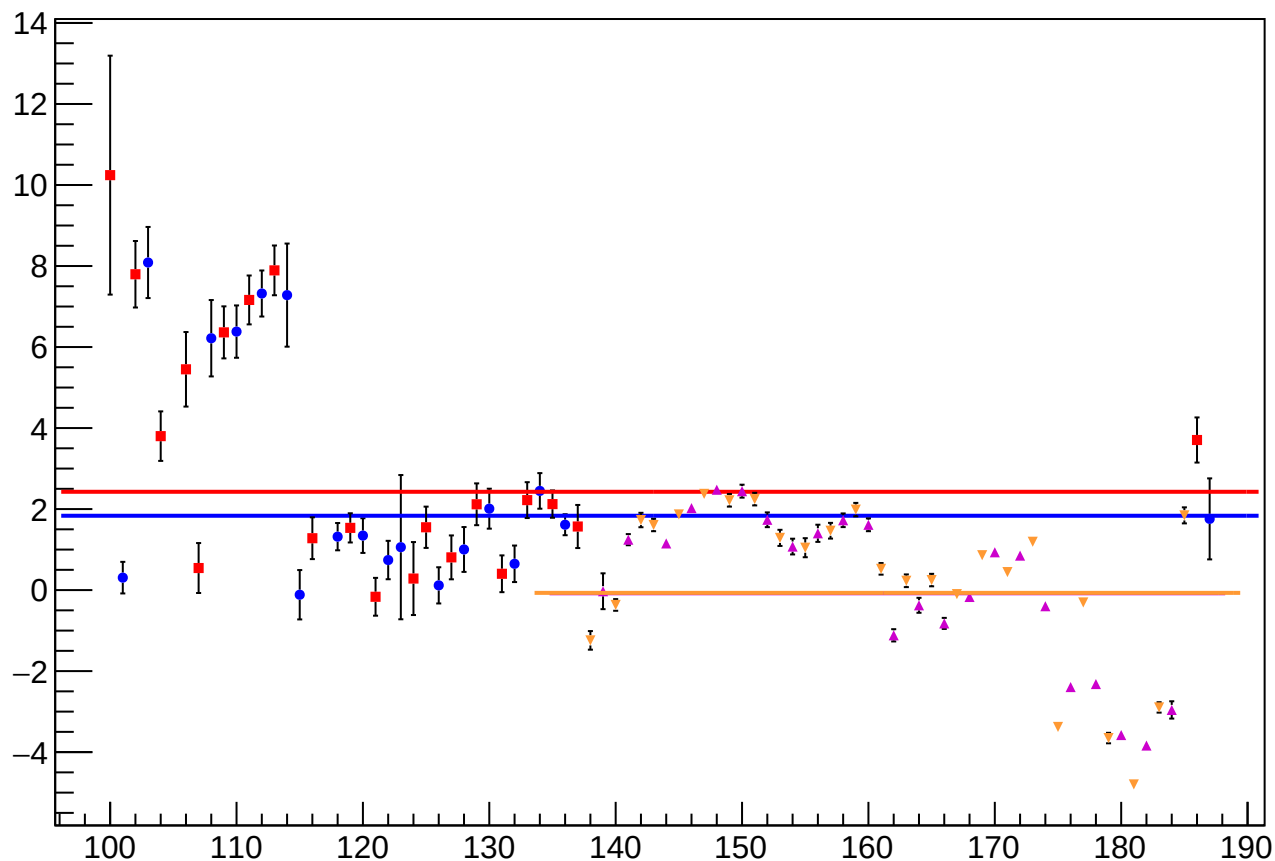
Right: -7.286 ± 0.361 χ^2/NDF : 101.7/1

In: 7.688 ± 0.035 χ^2/NDF : 8747.2/23

Out: 7.661 ± 0.034 χ^2/NDF : 13275.6/25

All: 7.674 ± 0.024 χ^2/NDF : 22023.1/49

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.835 ± 0.115 $\chi^2/\text{NDF}: 294.9/17$

Left Out: -0.069 ± 0.028 $\chi^2/\text{NDF}: 6033.5/24$

Right Out: 2.427 ± 0.120 $\chi^2/\text{NDF}: 341.9/19$

Left In: -0.079 ± 0.028 $\chi^2/\text{NDF}: 4989.1/22$

Left: -0.074 ± 0.020 $\chi^2/\text{NDF}: 11022.7/47$

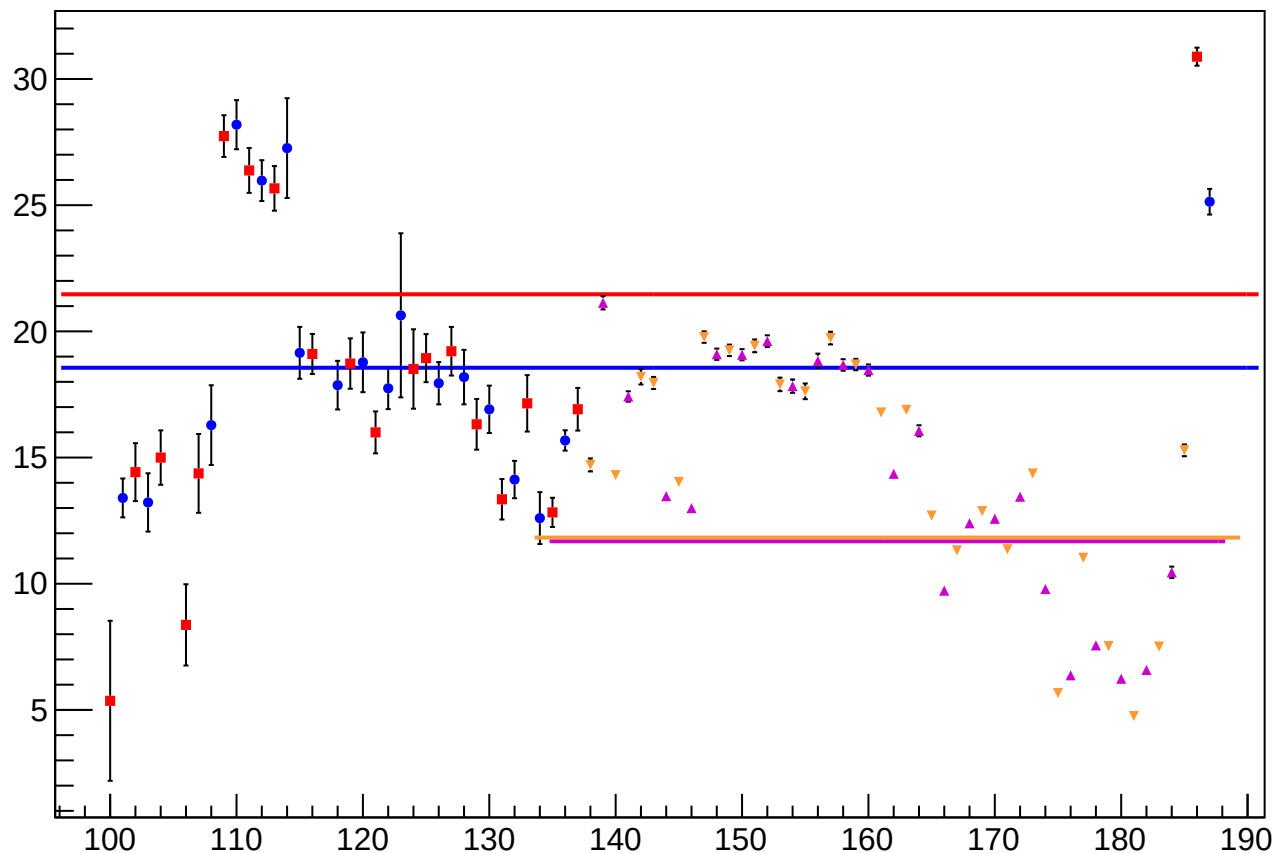
Right: 2.120 ± 0.083 $\chi^2/\text{NDF}: 649.5/37$

In: 0.029 ± 0.027 $\chi^2/\text{NDF}: 5544.1/40$

Out: 0.059 ± 0.027 $\chi^2/\text{NDF}: 6787.4/44$

All: 0.044 ± 0.019 $\chi^2/\text{NDF}: 12332.1/85$

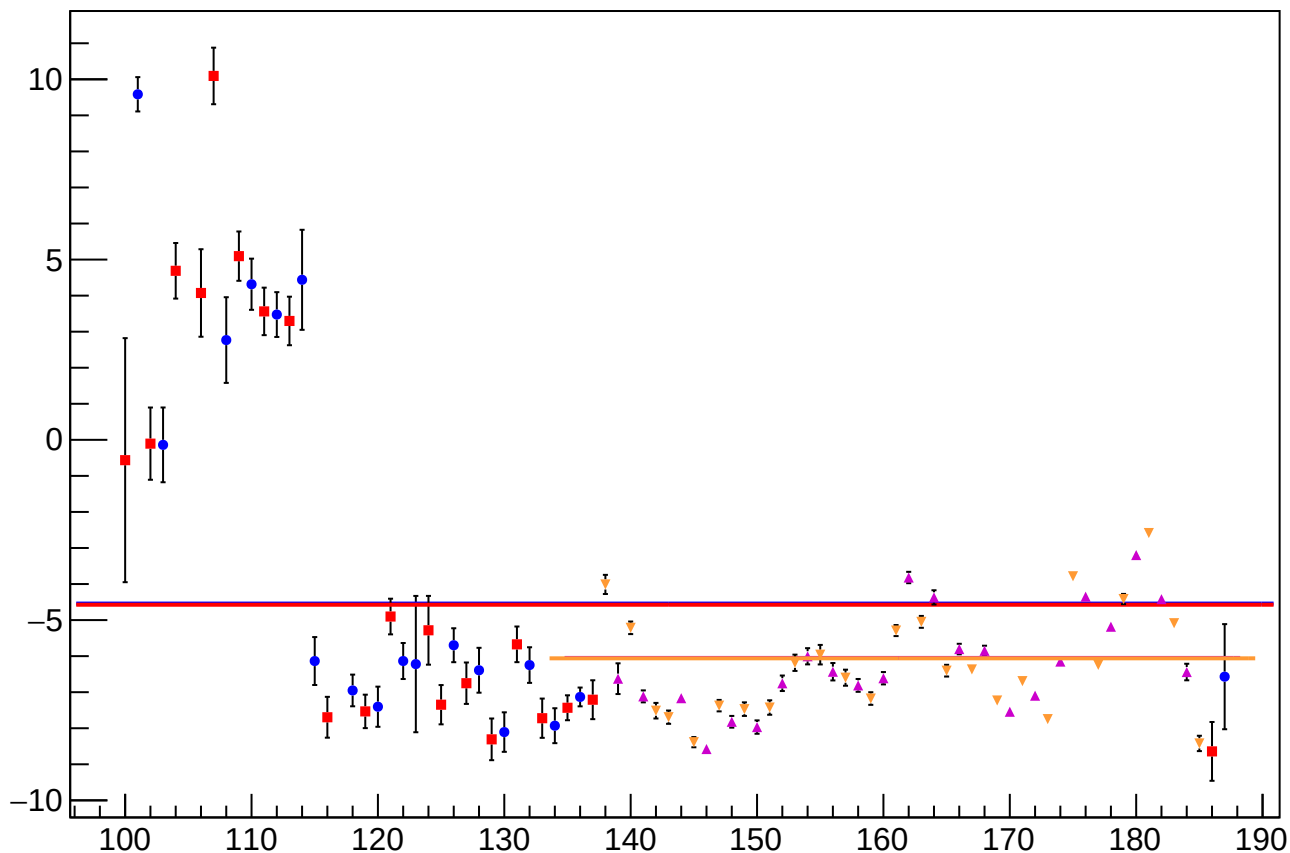
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.558 ± 0.195 $\chi^2/\text{NDF}: 563.0/17$
 Left Out: 11.830 ± 0.035 $\chi^2/\text{NDF}: 19032.5/24$
 Right Out: 21.470 ± 0.187 $\chi^2/\text{NDF}: 1463.4/19$
 Left In: 11.683 ± 0.035 $\chi^2/\text{NDF}: 16927.3/22$

Left: 11.757 ± 0.025 $\chi^2/\text{NDF}: 35968.6/47$
 Right: 20.081 ± 0.135 $\chi^2/\text{NDF}: 2142.6/37$
 In: 11.897 ± 0.034 $\chi^2/\text{NDF}: 18688.7/40$
 Out: 12.152 ± 0.034 $\chi^2/\text{NDF}: 23075.0/44$
 All: 12.026 ± 0.024 $\chi^2/\text{NDF}: 41791.3/85$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.542 ± 0.129 χ^2/NDF : 1592.1/17

Left Out: -6.061 ± 0.031 χ^2/NDF : 2649.3/24

Right Out: -4.574 ± 0.135 χ^2/NDF : 1364.5/19

Left In: -6.050 ± 0.032 χ^2/NDF : 2303.3/22

Left: -6.055 ± 0.022 χ^2/NDF : 4952.7/47

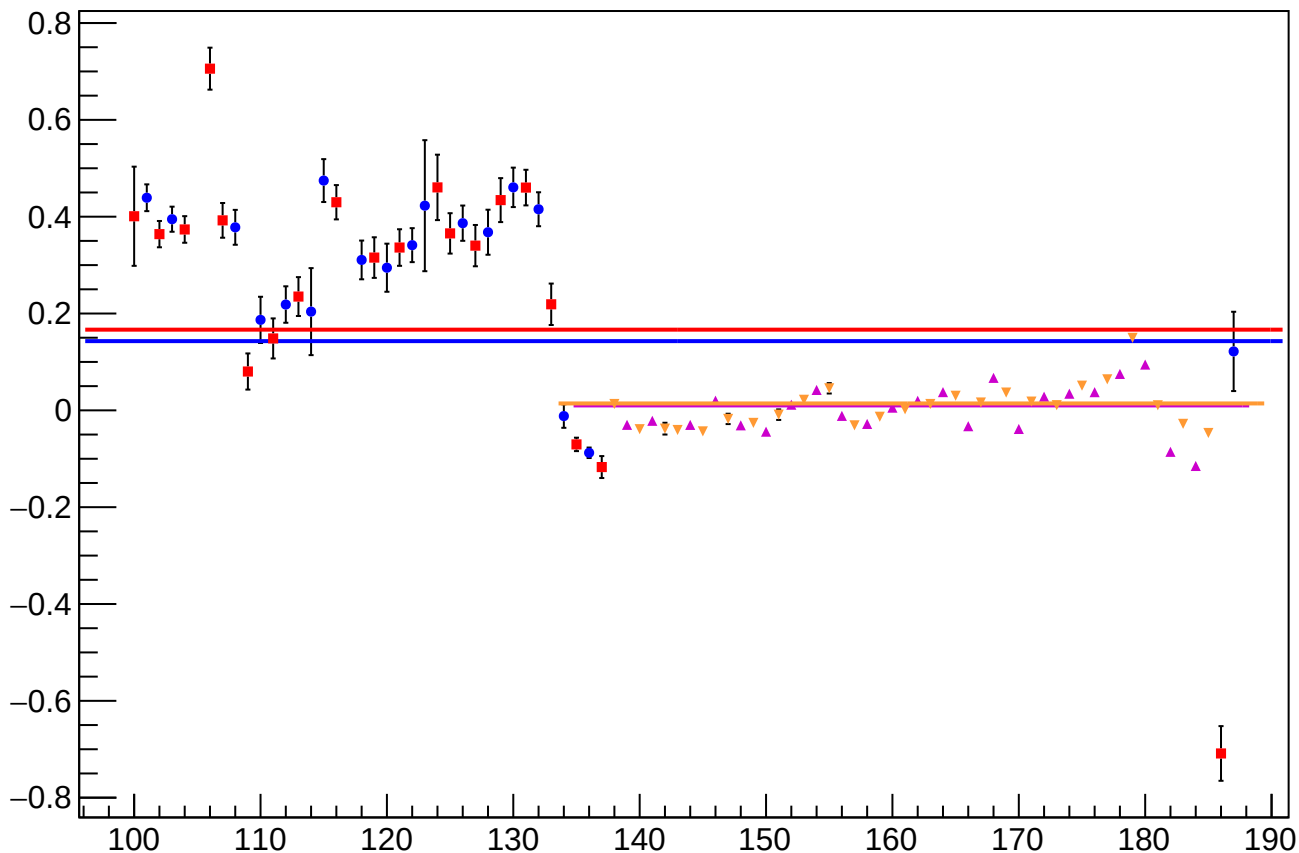
Right: -4.557 ± 0.093 χ^2/NDF : 2956.6/37

In: -5.964 ± 0.031 χ^2/NDF : 4024.3/40

Out: -5.985 ± 0.030 χ^2/NDF : 4128.8/44

All: -5.975 ± 0.022 χ^2/NDF : 8153.3/85

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 $\pm$ 0.007 χ^2 /NDF: 1060.4/17

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF:950.9/24

Right Out: 0.167 $\pm$ 0.007 χ^2 /NDF: 1252.2/19

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:1224.5/22

Left: 0.012 $\pm$ 0.001 χ^2 /NDF: 2179.5/47

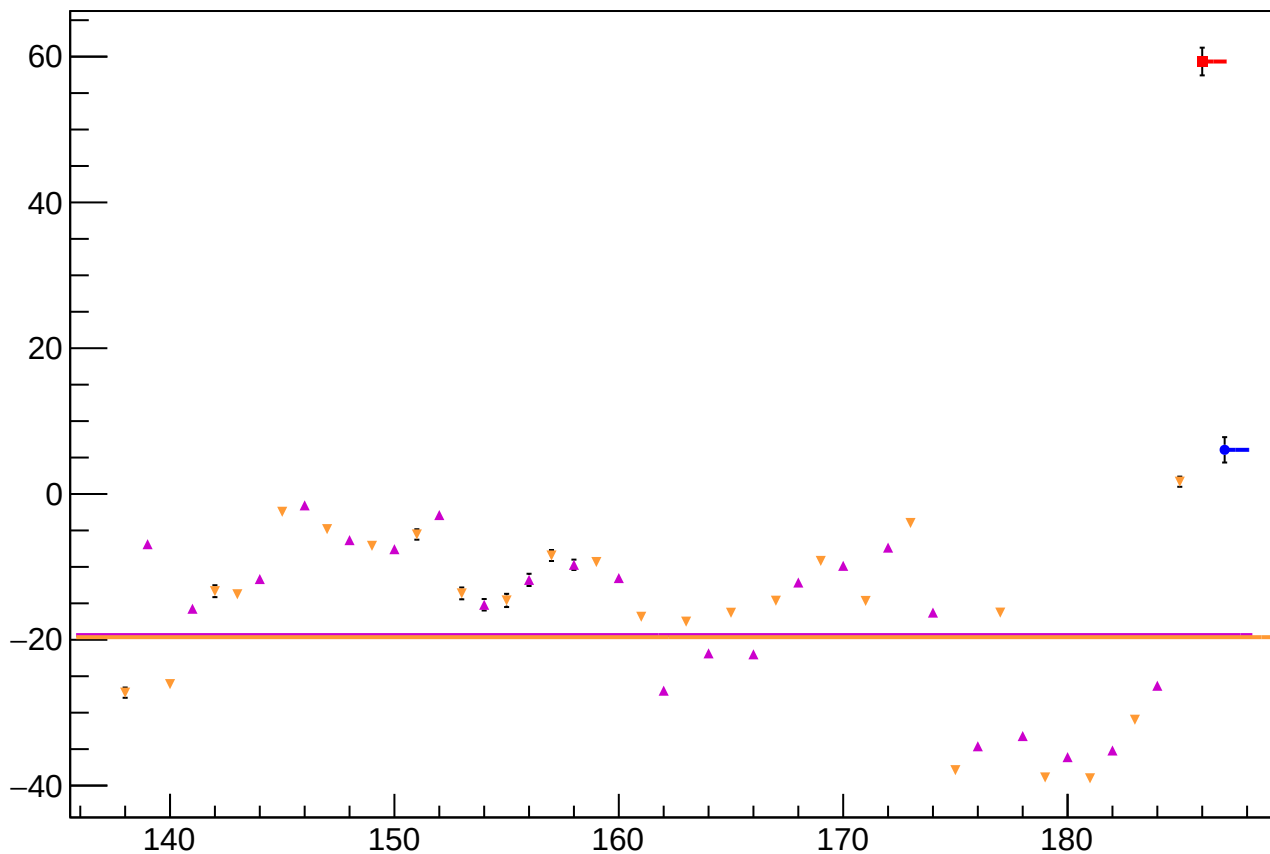
Right: 0.154 $\pm$ 0.005 χ^2 /NDF: 2318.1/37

In: 0.016 $\pm$ 0.001 χ^2 /NDF:2627.8/40

Out: 0.020 $\pm$ 0.001 χ^2 /NDF:2620.3/44

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5252.7/85

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.059+/-1.741 χ^2/NDF : 0.0/0

Left Out: -19.642+/-0.103 χ^2/NDF :15730.6/24

Right Out: 59.330+/-1.901 χ^2/NDF : 0.0/0

Left In: -19.355+/-0.105 χ^2/NDF :12417.1/22

Left: -19.501+/-0.074 χ^2/NDF : 28151.5/47

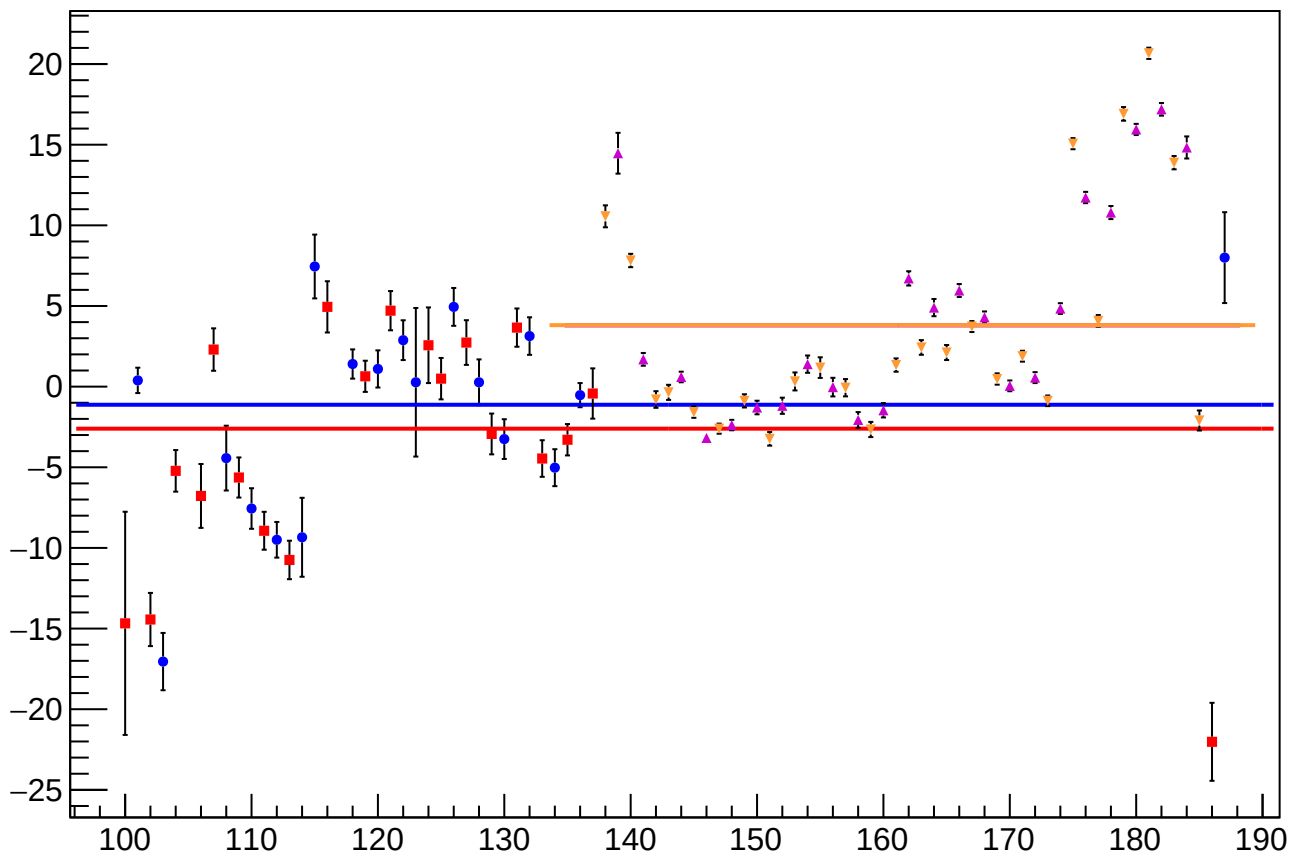
Right: 30.371+/-1.284 χ^2/NDF : 427.0/1

In: -19.264+/-0.104 χ^2/NDF :12629.3/23

Out: -19.410+/-0.103 χ^2/NDF :17452.0/25

All: -19.338+/-0.073 χ^2/NDF : 30082.2/49

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.123 ± 0.288 χ^2/NDF : 289.2/17

Left Out: 3.811 ± 0.082 χ^2/NDF : 7118.3/24

Right Out: -2.606 ± 0.300 χ^2/NDF : 351.7/19

Left In: 3.795 ± 0.083 χ^2/NDF : 5534.4/22

Left: 3.803 ± 0.059 χ^2/NDF : 12652.7/47

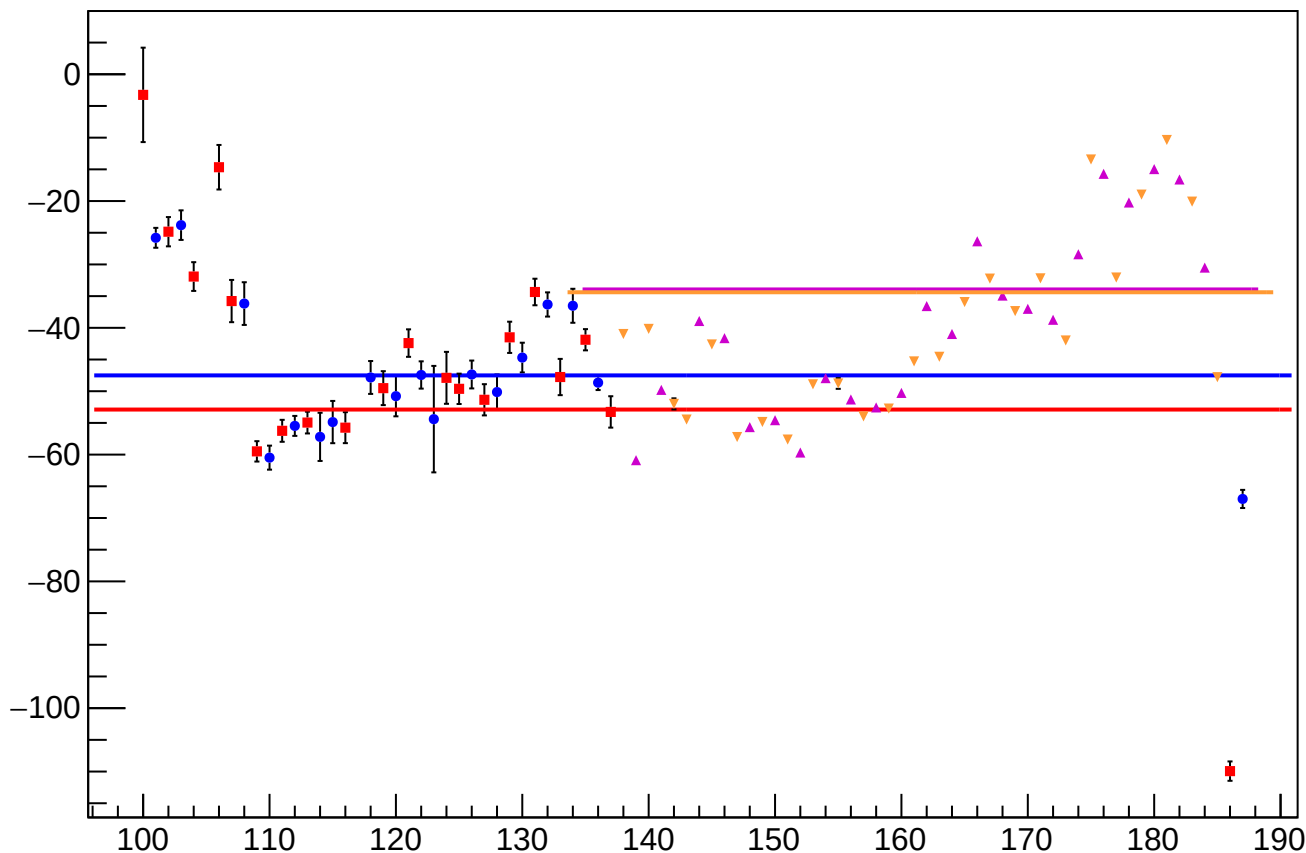
Right: -1.835 ± 0.208 χ^2/NDF : 653.6/37

In: 3.417 ± 0.080 χ^2/NDF : 6092.0/40

Out: 3.362 ± 0.079 χ^2/NDF : 7895.3/44

All: 3.389 ± 0.056 χ^2/NDF : 13987.4/85

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -47.505 $\pm$ 0.491 χ^2 /NDF: 631.3/17

Left Out: -34.389 $\pm$ 0.104 χ^2 /NDF:20032.2/24

Right Out: -52.892 $\pm$ 0.499 χ^2 /NDF: 2015.0/19

Left In: -33.946 $\pm$ 0.105 χ^2 /NDF:17855.4/22

Left: -34.169 $\pm$ 0.074 χ^2 /NDF: 37896.7/47

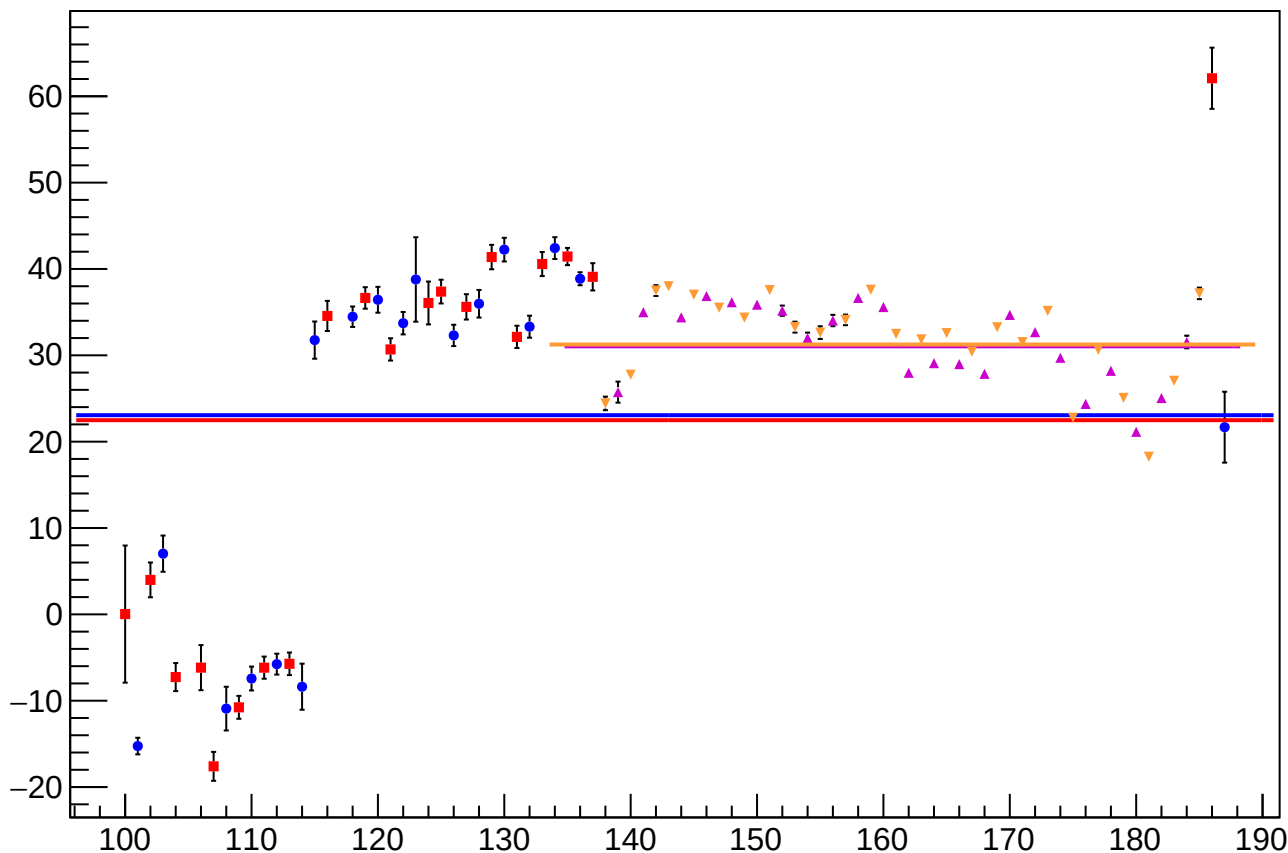
Right: -50.153 $\pm$ 0.350 χ^2 /NDF: 2705.5/37

In: -34.538 $\pm$ 0.103 χ^2 /NDF:19216.5/40

Out: -35.160 $\pm$ 0.102 χ^2 /NDF:23363.6/44

All: -34.851 $\pm$ 0.072 χ^2 /NDF: 42598.6/85

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.064 $\pm$ 0.325 χ^2 /NDF: 4346.1/17

Left Out: 31.252 $\pm$ 0.093 χ^2 /NDF:3305.3/24

Right Out: 22.487 $\pm$ 0.338 χ^2 /NDF: 4160.5/19

Left In: 31.040 $\pm$ 0.094 χ^2 /NDF:2488.6/22

Left: 31.147 $\pm$ 0.066 χ^2 /NDF: 5796.5/47

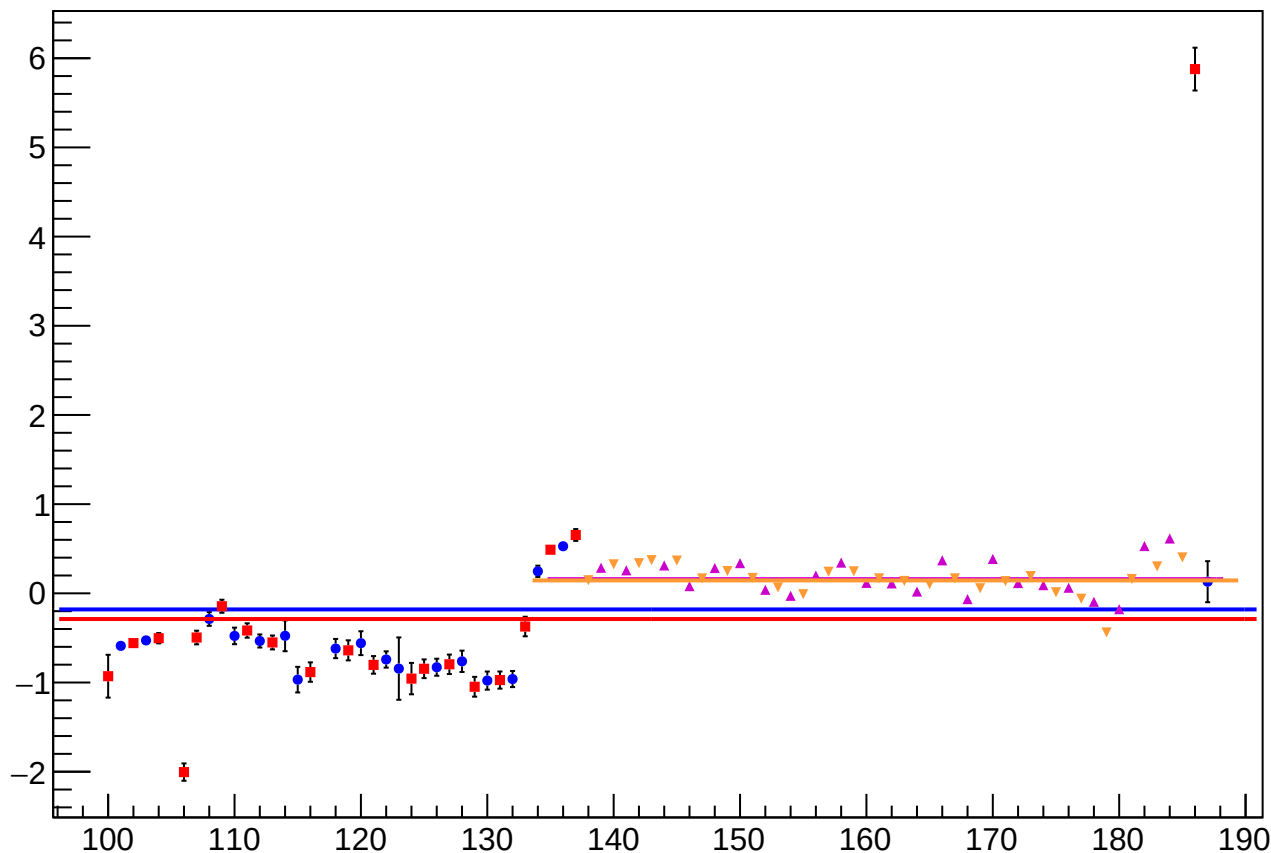
Right: 22.787 $\pm$ 0.234 χ^2 /NDF: 8508.1/37

In: 30.426 $\pm$ 0.090 χ^2 /NDF:7390.6/40

Out: 30.642 $\pm$ 0.089 χ^2 /NDF:8090.3/44

All: 30.535 $\pm$ 0.063 χ^2 /NDF: 15483.8/85

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 999.9/17

Left Out: 0.145 ± 0.004 χ^2/NDF : 1572.6/24

Right Out: -0.288 ± 0.018 χ^2/NDF : 1846.8/19

Left In: 0.159 ± 0.004 χ^2/NDF : 2020.5/22

Left: 0.152 ± 0.003 χ^2/NDF : 3598.6/47

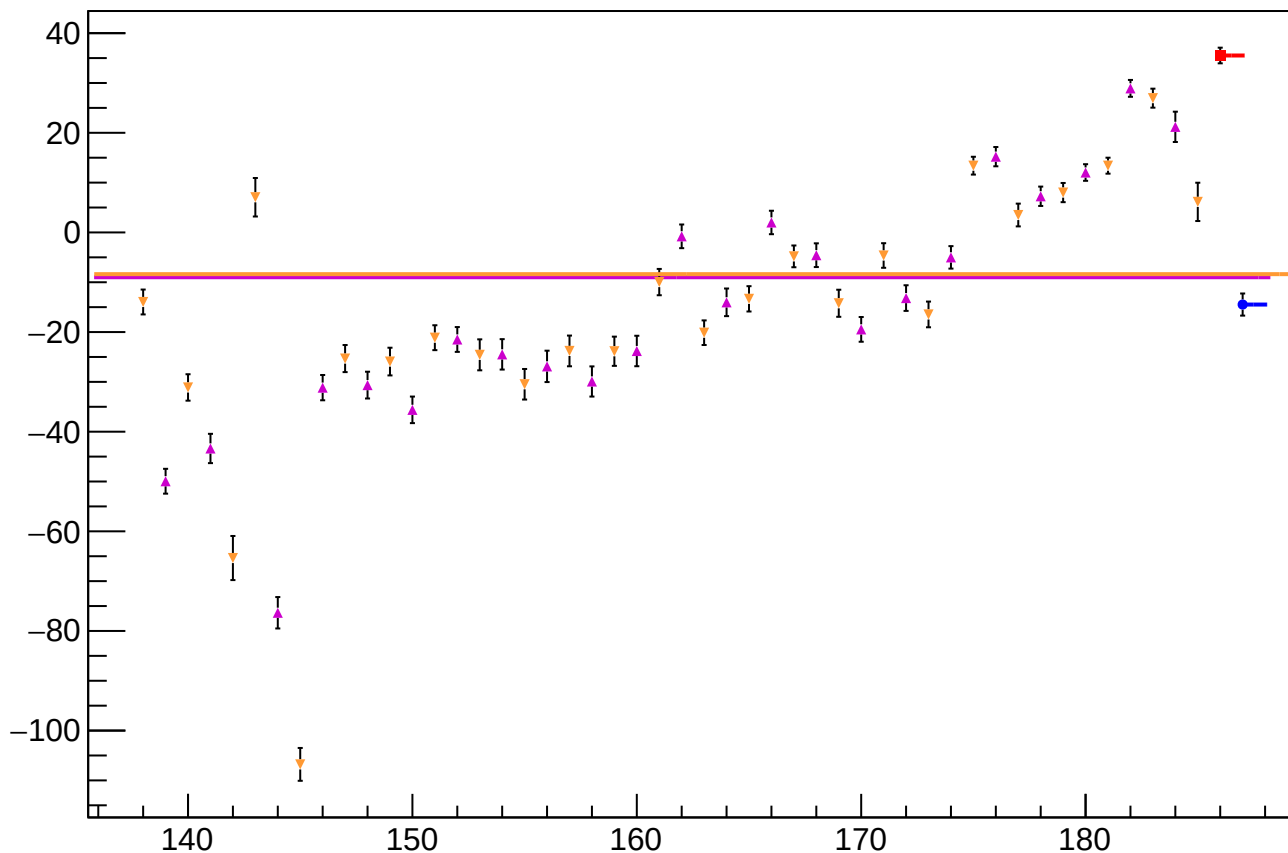
Right: -0.233 ± 0.013 χ^2/NDF : 2864.8/37

In: 0.140 ± 0.004 χ^2/NDF : 3368.7/40

Out: 0.122 ± 0.004 χ^2/NDF : 3961.1/44

All: 0.131 ± 0.003 χ^2/NDF : 7339.0/85

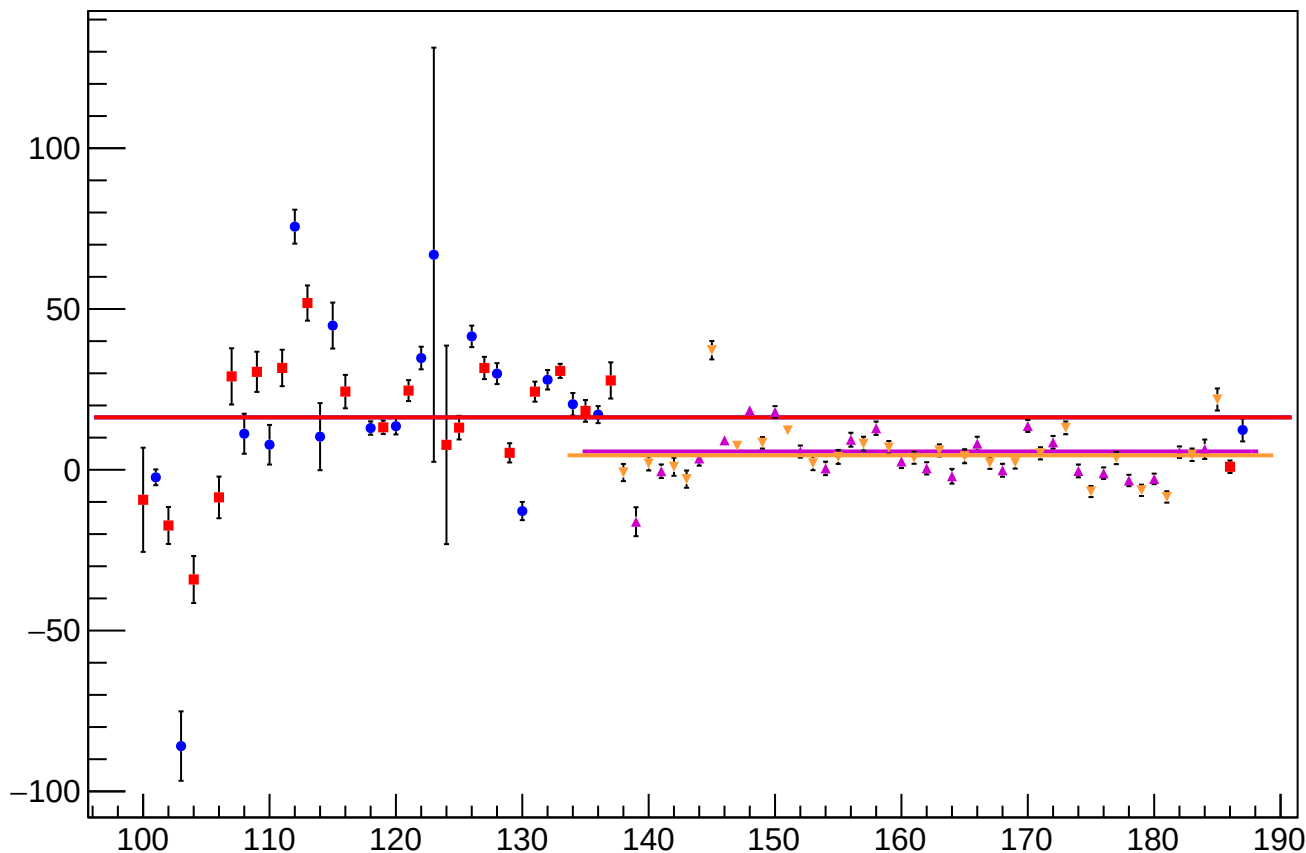
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.478 ± 2.220 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -8.375 ± 0.500 $\chi^2/\text{NDF}: 2224.0/24$
 Right Out: 35.518 ± 1.571 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -8.995 ± 0.505 $\chi^2/\text{NDF}: 2308.2/22$

Left: -8.682 ± 0.355 $\chi^2/\text{NDF}: 4533.0/47$
 Right: 18.828 ± 1.283 $\chi^2/\text{NDF}: 337.9/1$
 In: -9.265 ± 0.493 $\chi^2/\text{NDF}: 2314.0/23$
 Out: -4.336 ± 0.477 $\chi^2/\text{NDF}: 2932.4/25$
 All: -6.720 ± 0.343 $\chi^2/\text{NDF}: 5298.2/49$

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.293+/-0.825 χ^2/NDF : 520.9/17

Left Out: 4.494+/-0.393 χ^2/NDF : 372.1/24

Right Out: 16.307+/-0.815 χ^2/NDF : 318.2/19

Left In: 5.699+/-0.403 χ^2/NDF : 329.1/22

Left: 5.081+/-0.281 χ^2/NDF : 705.8/47

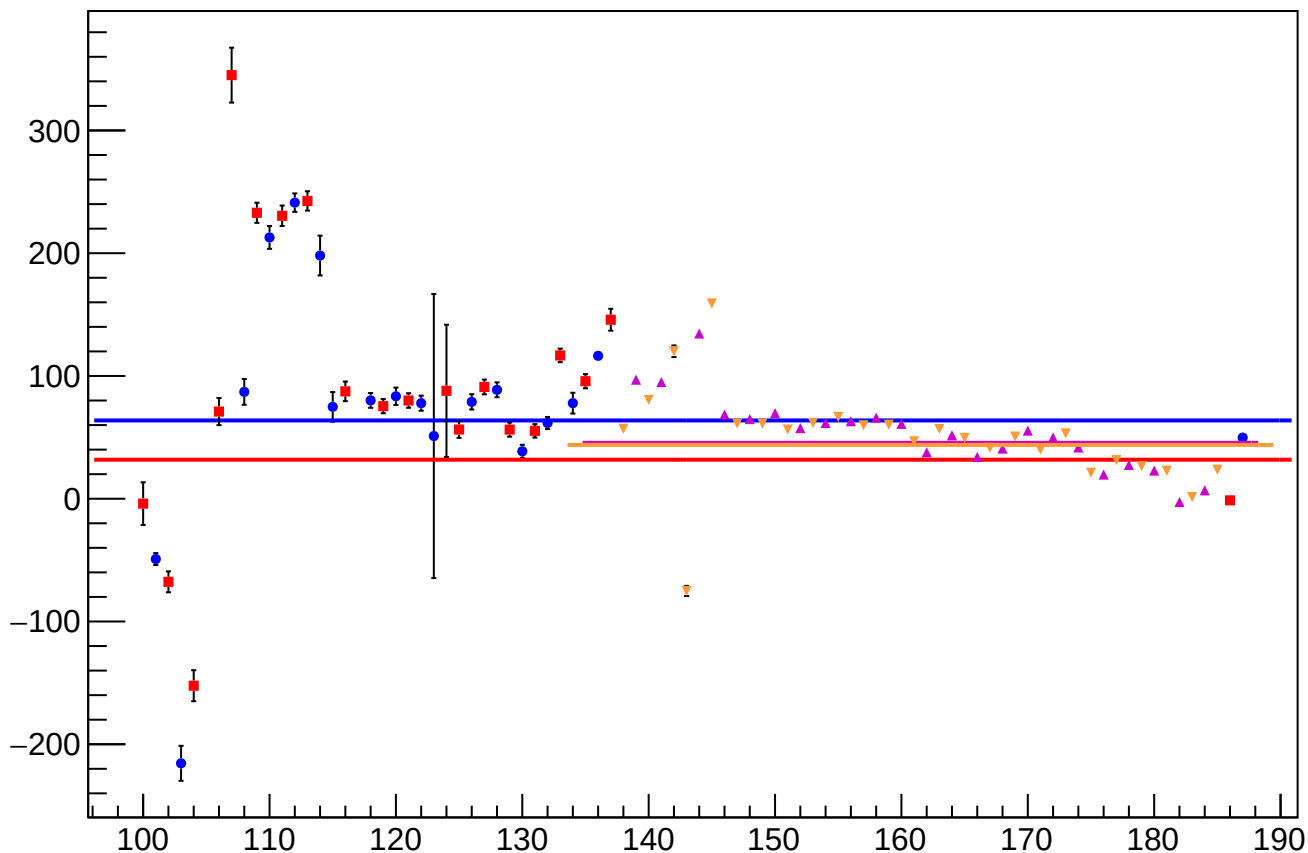
Right: 16.300+/-0.580 χ^2/NDF : 839.1/37

In: 7.743+/-0.362 χ^2/NDF : 983.2/40

Out: 6.720+/-0.354 χ^2/NDF : 860.8/44

All: 7.220+/-0.253 χ^2/NDF : 1848.1/85

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 63.772 $\pm$ 1.218 χ^2 /NDF: 2105.1/17

Left Out: 43.840 $\pm$ 0.499 χ^2 /NDF: 3680.9/24

Right Out: 31.786 $\pm$ 1.013 χ^2 /NDF: 3981.6/19

Left In: 45.559 $\pm$ 0.502 χ^2 /NDF: 3152.4/22

Left: 44.693 $\pm$ 0.354 χ^2 /NDF: 6839.2/47

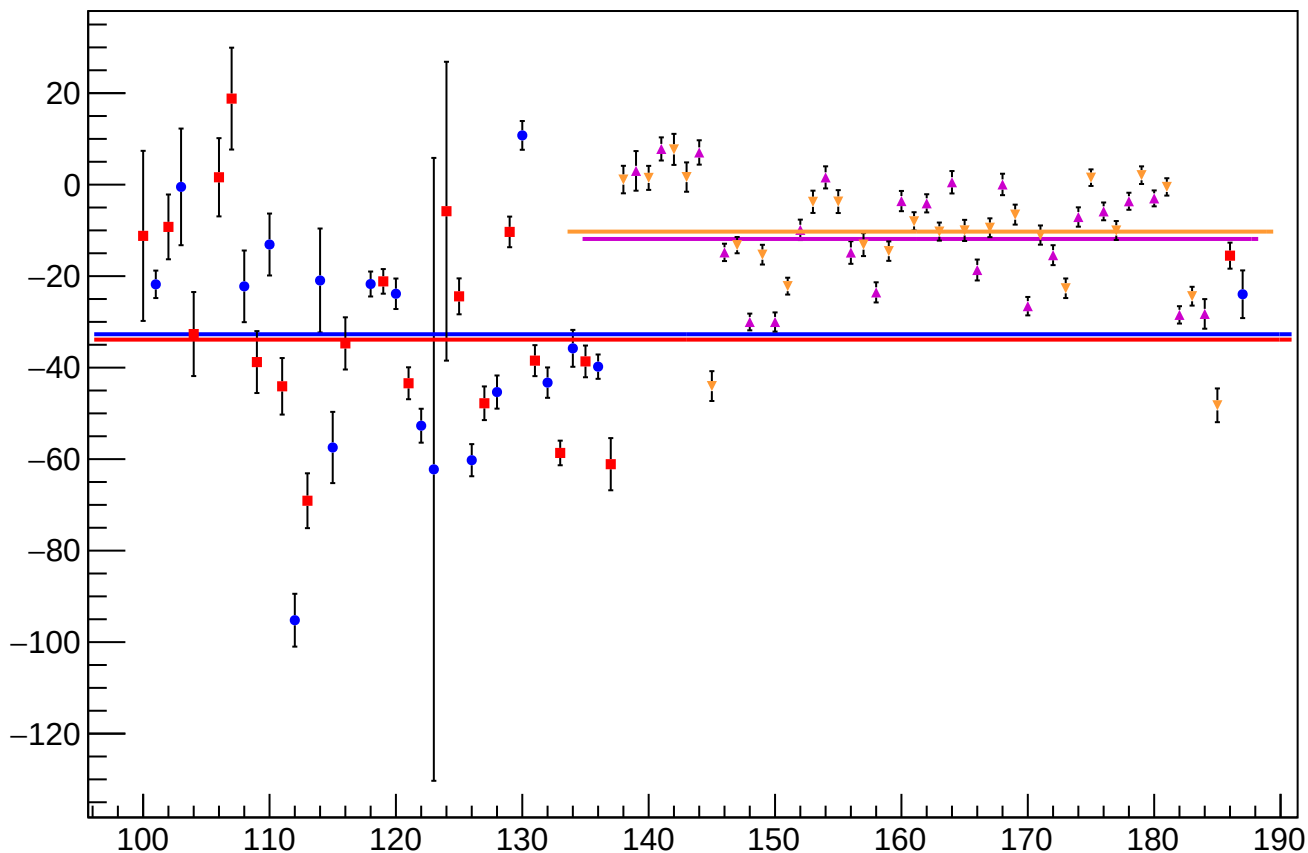
Right: 44.869 $\pm$ 0.779 χ^2 /NDF: 6494.5/37

In: 48.209 $\pm$ 0.465 χ^2 /NDF: 5448.7/40

Out: 41.486 $\pm$ 0.448 χ^2 /NDF: 7776.5/44

All: 44.723 $\pm$ 0.322 χ^2 /NDF: 13333.8/85

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.701±/0.955 χ^2/NDF : 496.0/17

Left Out: -10.267±/0.445 χ^2/NDF : 553.7/24

Right Out: -33.877±/0.965 χ^2/NDF : 344.1/19

Left In: -11.875±/0.455 χ^2/NDF : 668.4/22

Left: -11.053±/0.318 χ^2/NDF : 1228.5/47

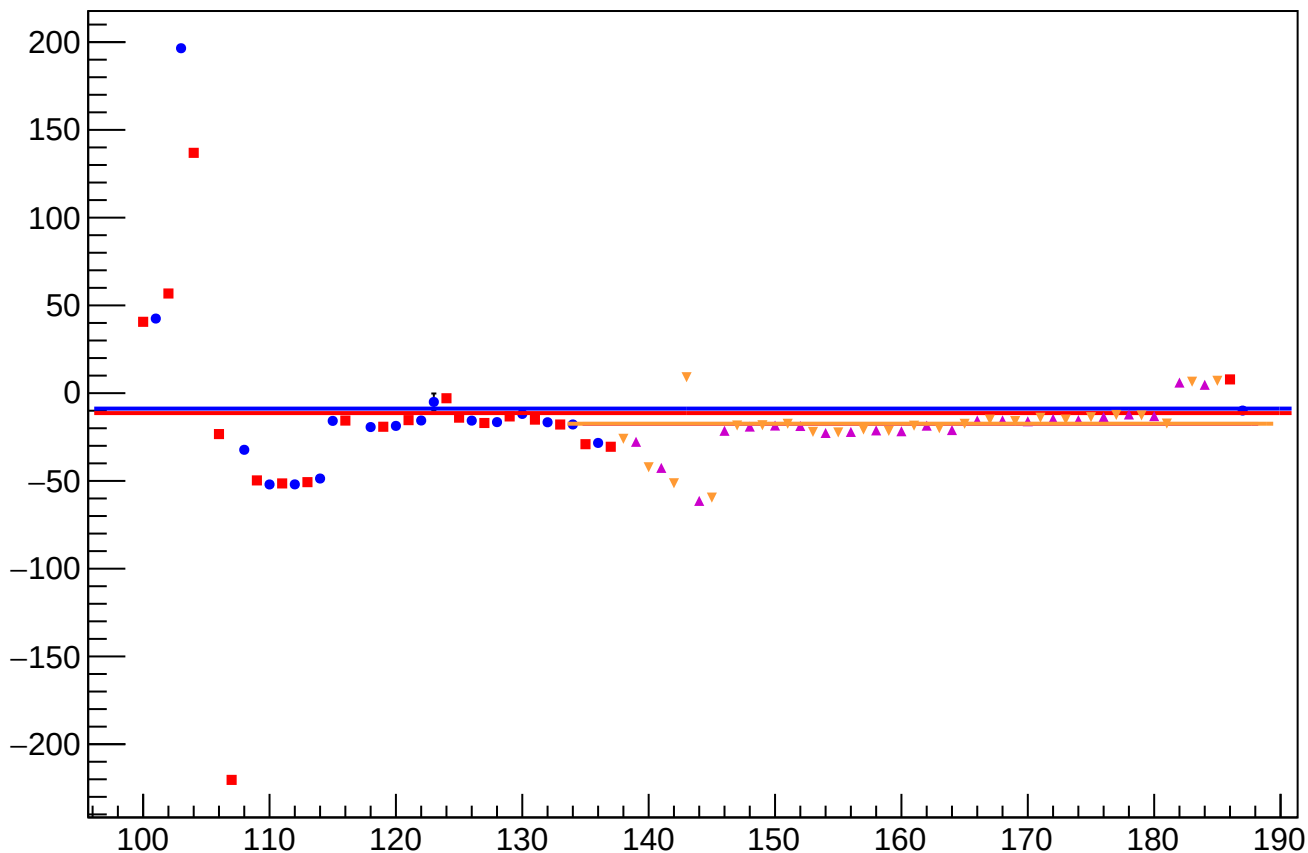
Right: -33.284±/0.679 χ^2/NDF : 840.8/37

In: -15.722±/0.411 χ^2/NDF : 1551.9/40

Out: -14.409±/0.404 χ^2/NDF : 1391.8/44

All: -15.055±/0.288 χ^2/NDF : 2948.8/85

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.795 ± 0.058 $\chi^2/\text{NDF}: 576027.5/17$

Left Out: -17.411 ± 0.020 $\chi^2/\text{NDF}: 320231.3/24$

Right Out: -11.356 ± 0.059 $\chi^2/\text{NDF}: 568466.8/19$

Left In: -17.552 ± 0.021 $\chi^2/\text{NDF}: 261900.3/22$

Left: -17.481 ± 0.015 $\chi^2/\text{NDF}: 582155.3/47$

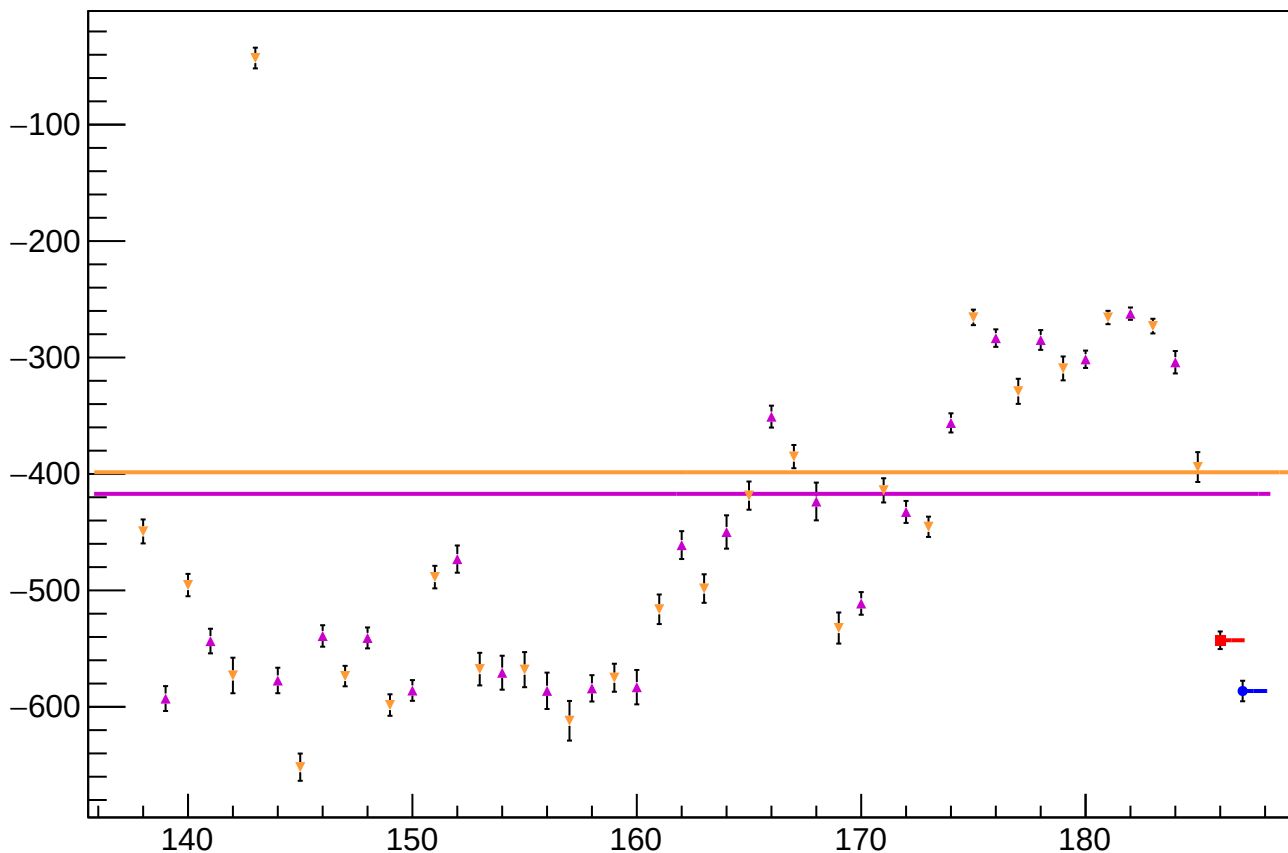
Right: -10.046 ± 0.041 $\chi^2/\text{NDF}: 1145456.9/37$

In: -16.562 ± 0.019 $\chi^2/\text{NDF}: 858378.2/40$

Out: -16.763 ± 0.019 $\chi^2/\text{NDF}: 898090.7/44$

All: -16.663 ± 0.014 $\chi^2/\text{NDF}: 1756523.1/85$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



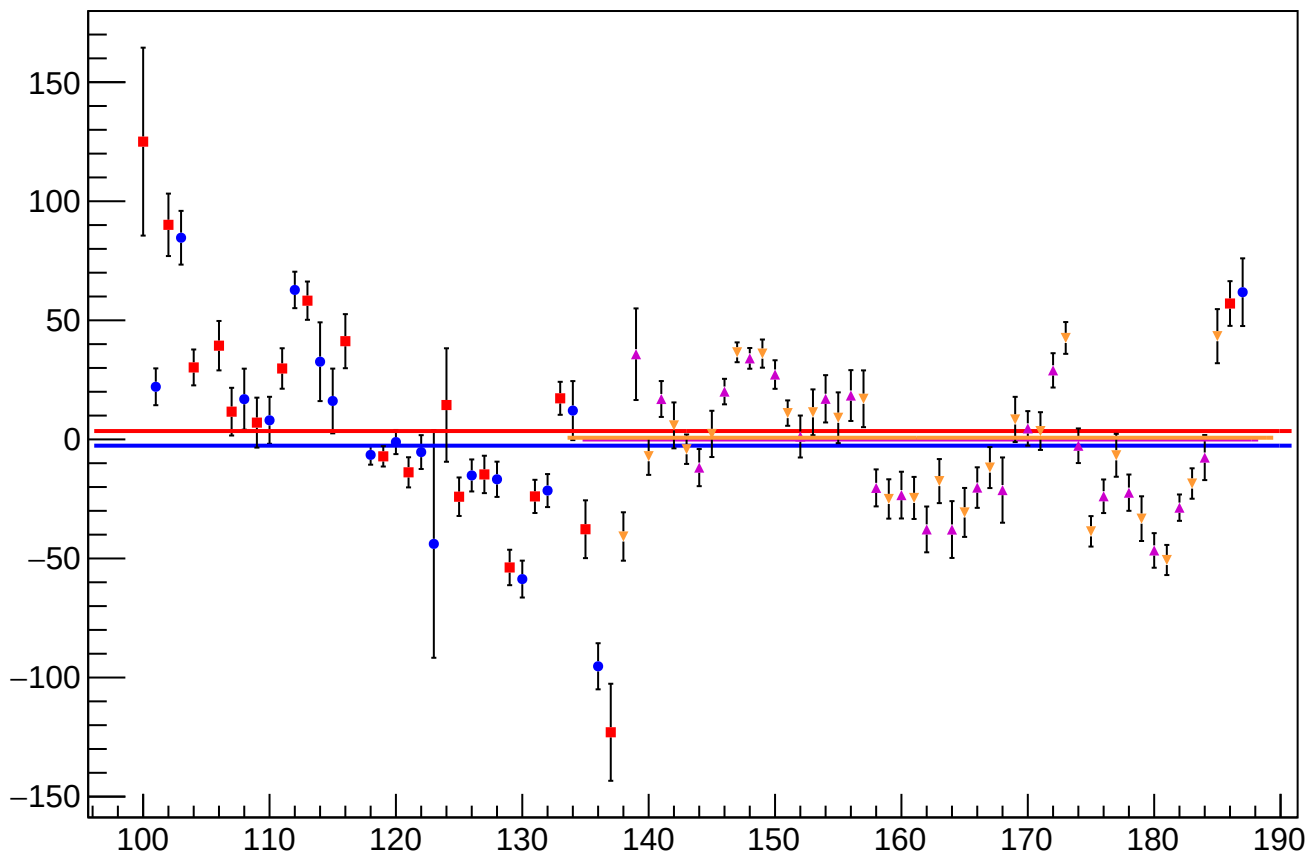
Right In: -586.400 ± 8.817 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -398.556 ± 1.962 $\chi^2/\text{NDF}: 5659.5/24$
 Right Out: -542.818 ± 7.555 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -417.080 ± 1.997 $\chi^2/\text{NDF}: 3958.5/22$

Left: -407.653 ± 1.399 $\chi^2/\text{NDF}: 9661.9/47$
 Right: -561.269 ± 5.737 $\chi^2/\text{NDF}: 14.1/1$

In: -425.341 ± 1.948 $\chi^2/\text{NDF}: 4309.4/23$
 Out: -407.668 ± 1.899 $\chi^2/\text{NDF}: 6001.2/25$

All: -416.279 ± 1.359 $\chi^2/\text{NDF}: 10352.7/49$

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.635 ± 1.872 χ^2/NDF : 335.3/17

Left Out: 0.697 ± 1.510 χ^2/NDF : 349.9/24

Right Out: 3.507 ± 1.881 χ^2/NDF : 337.6/19

Left In: -0.052 ± 1.571 χ^2/NDF : 264.1/22

Left: 0.337 ± 1.089 χ^2/NDF : 614.1/47

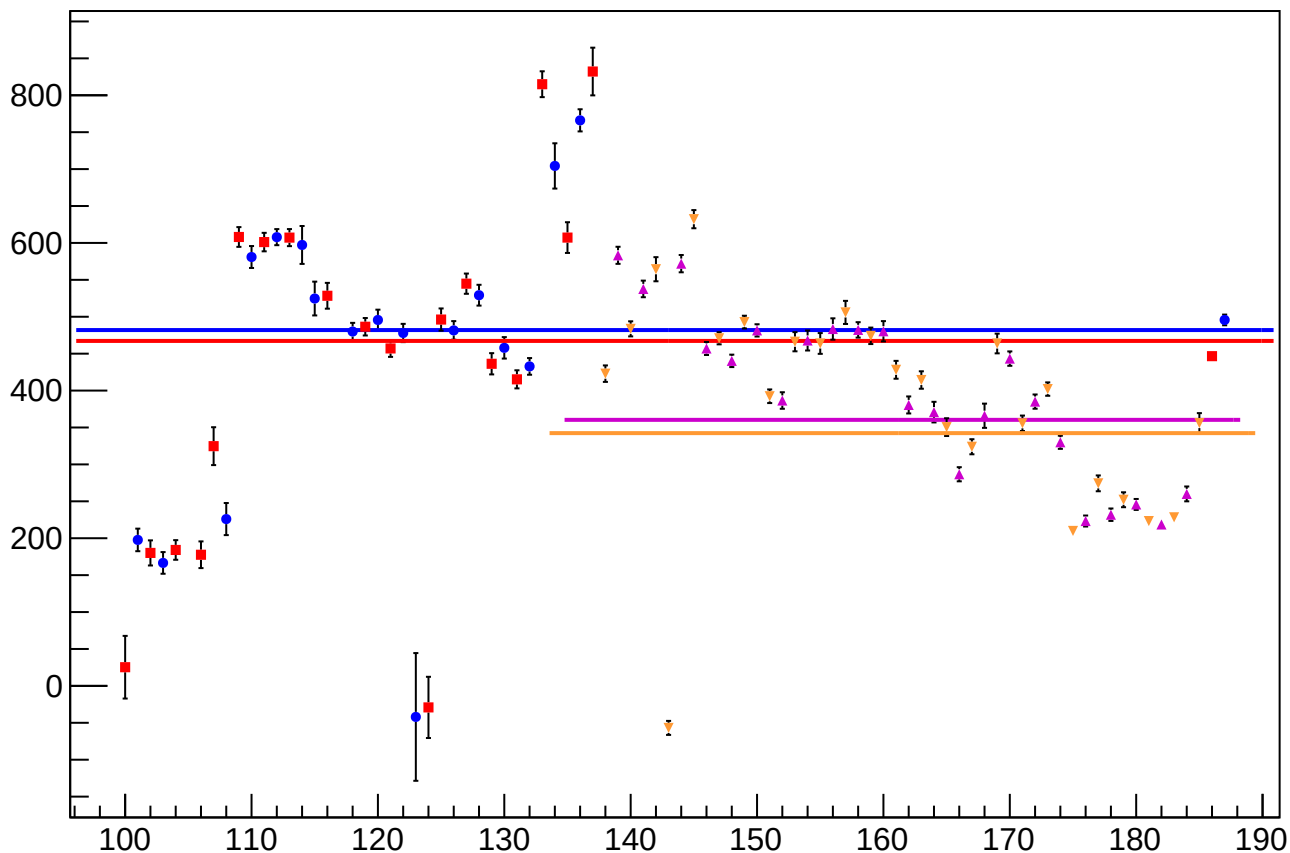
Right: 0.421 ± 1.327 χ^2/NDF : 678.3/37

In: -1.119 ± 1.203 χ^2/NDF : 600.5/40

Out: 1.798 ± 1.178 χ^2/NDF : 688.9/44

All: 0.371 ± 0.842 χ^2/NDF : 1292.4/85

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 481.970 $\pm$ 3.245 χ^2 /NDF: 1633.5/17

Left Out: 342.368 $\pm$ 1.970 χ^2 /NDF: 5181.7/24

Right Out: 467.257 $\pm$ 3.049 χ^2 /NDF: 2302.8/19

Left In: 360.355 $\pm$ 1.996 χ^2 /NDF: 3449.9/22

Left: 351.245 $\pm$ 1.402 χ^2 /NDF: 8672.8/47

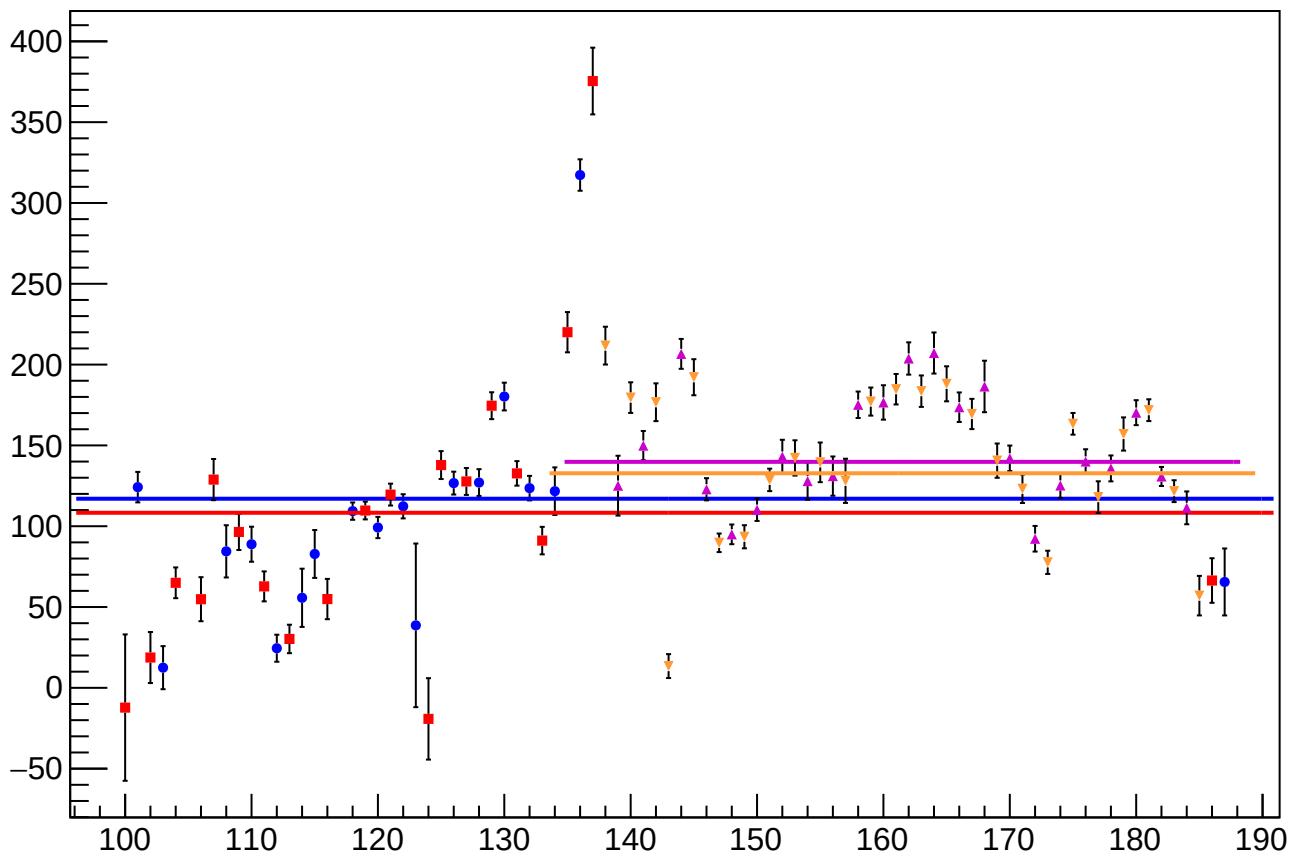
Right: 474.155 $\pm$ 2.222 χ^2 /NDF: 3947.2/37

In: 393.720 $\pm$ 1.700 χ^2 /NDF: 6102.3/40

Out: 379.146 $\pm$ 1.655 χ^2 /NDF: 8668.3/44

All: 386.235 $\pm$ 1.186 χ^2 /NDF: 14808.4/85

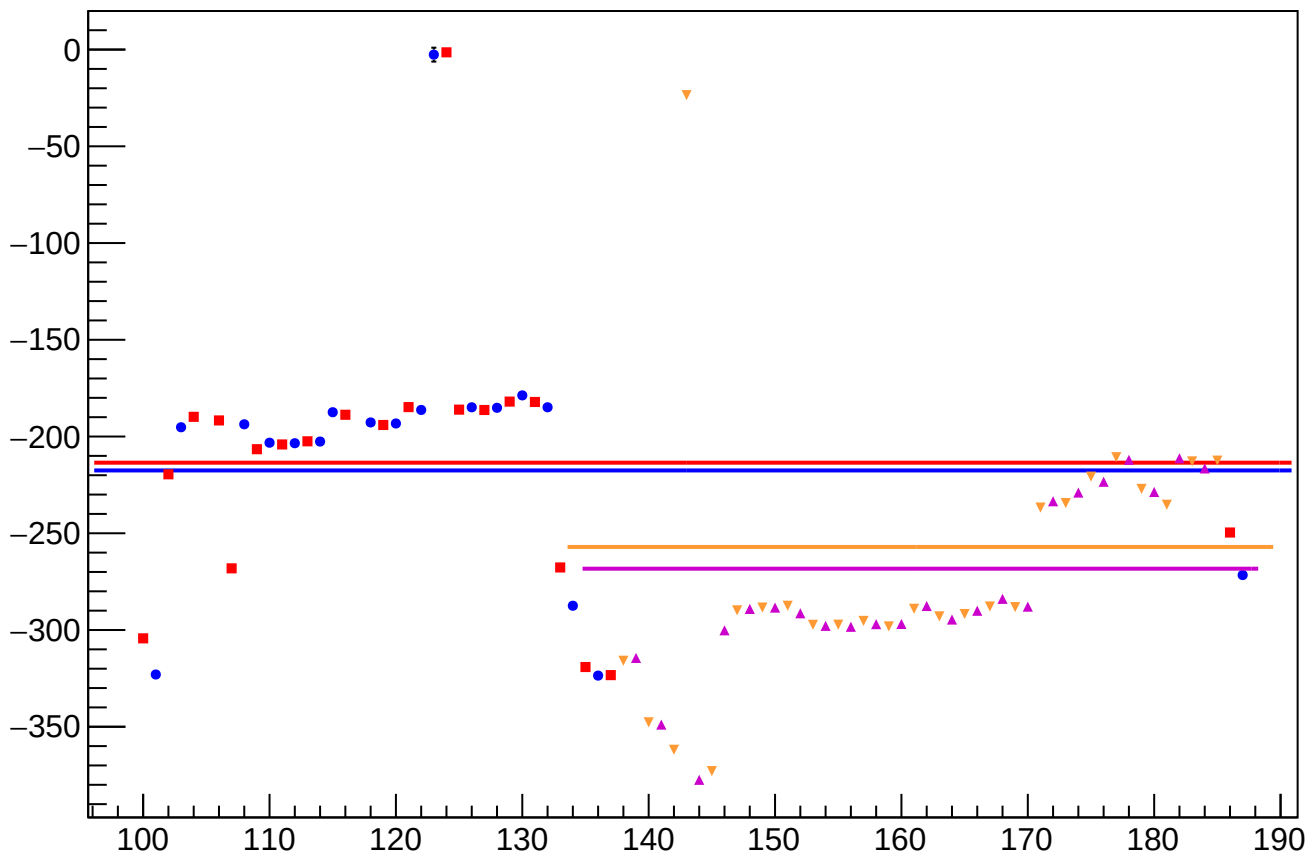
reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.008 $\pm$ 2.181 χ^2/NDF : 713.1/17
 Left Out: 132.762 $\pm$ 1.736 χ^2/NDF : 749.6/24
 Right Out: 108.323 $\pm$ 2.182 χ^2/NDF : 580.7/19
 Left In: 139.828 $\pm$ 1.790 χ^2/NDF : 321.7/22

Left: 136.187 $\pm$ 1.246 χ^2/NDF : 1079.3/47
 Right: 112.668 $\pm$ 1.542 χ^2/NDF : 1301.7/37
 In: 130.644 $\pm$ 1.383 χ^2/NDF : 1100.2/40
 Out: 123.291 $\pm$ 1.358 χ^2/NDF : 1407.1/44
 All: 126.900 $\pm$ 0.969 χ^2/NDF : 2521.7/85

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.525+/-0.135 χ^2/NDF : 149149.0/17

Left Out: -257.067+/-0.082 χ^2/NDF : 665762.3/24

Right Out: -213.516+/-0.129 χ^2/NDF : 117797.6/19

Left In: -268.305+/-0.083 χ^2/NDF : 264853.3/22

Left: -262.619+/-0.059 χ^2/NDF : 939831.3/47

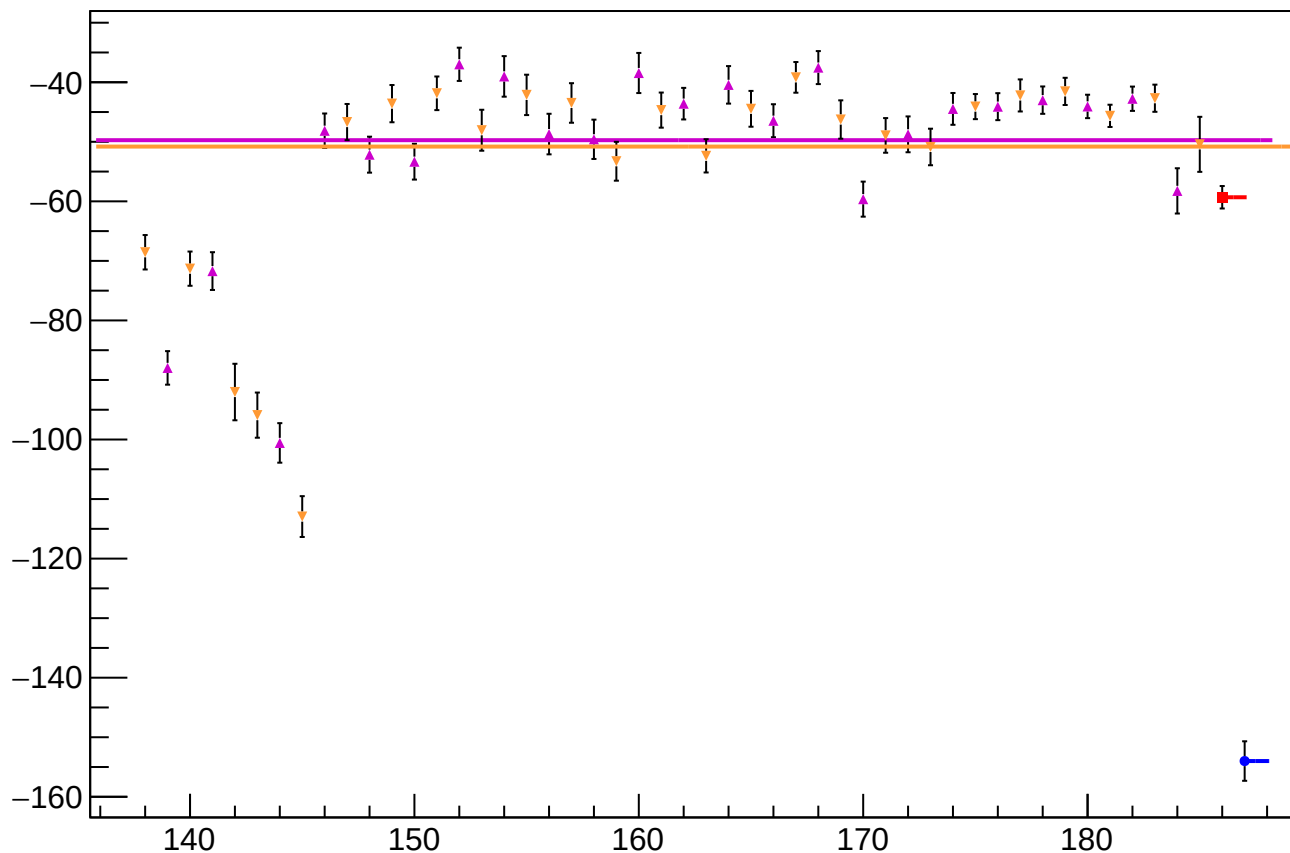
Right: -215.433+/-0.093 χ^2/NDF : 267408.6/37

In: -254.272+/-0.071 χ^2/NDF : 516776.5/40

Out: -244.473+/-0.069 χ^2/NDF : 864578.0/44

All: -249.271+/-0.050 χ^2/NDF : 1391122.8/85

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -153.998 ± 3.318 χ^2/NDF : 0.0/0

Left Out: -50.802 ± 0.574 χ^2/NDF : 752.7/24

Right Out: -59.314 ± 1.886 χ^2/NDF : 0.0/0

Left In: -49.728 ± 0.581 χ^2/NDF : 601.0/22

Left: -50.272 ± 0.408 χ^2/NDF : 1355.3/47

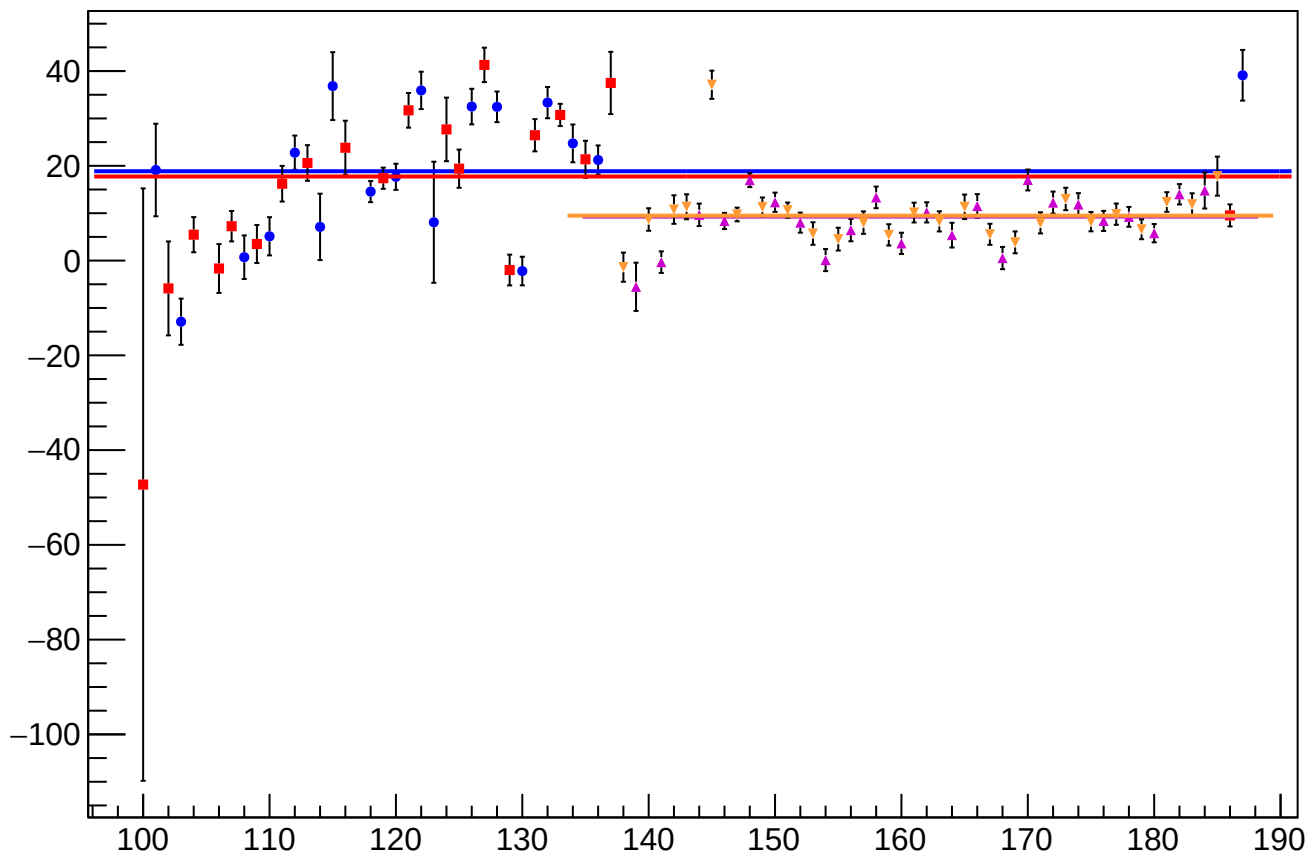
Right: -82.434 ± 1.640 χ^2/NDF : 615.5/1

In: -52.835 ± 0.573 χ^2/NDF : 1559.1/23

Out: -51.523 ± 0.549 χ^2/NDF : 771.3/25

All: -52.151 ± 0.396 χ^2/NDF : 2333.1/49

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.860 $\pm$ 0.893 χ^2 /NDF: 219.3/17

Left Out: 9.483 $\pm$ 0.447 χ^2 /NDF:133.0/24

Right Out: 17.748 $\pm$ 0.810 χ^2 /NDF: 212.6/19

Left In: 9.289 $\pm$ 0.461 χ^2 /NDF:125.6/22

Left: 9.389 $\pm$ 0.321 χ^2 /NDF: 258.8/47

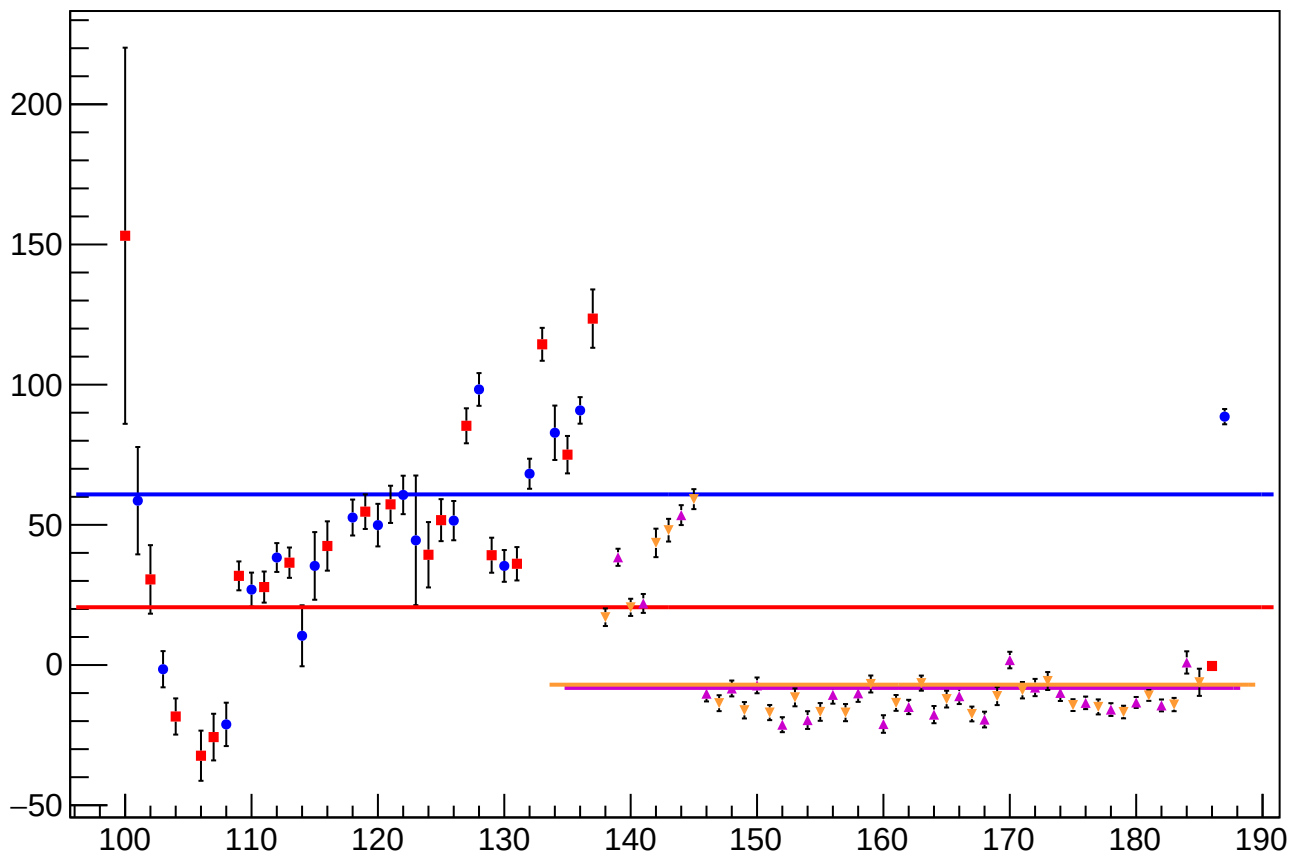
Right: 18.250 $\pm$ 0.600 χ^2 /NDF: 432.8/37

In: 11.300 $\pm$ 0.409 χ^2 /NDF:435.7/40

Out: 11.411 $\pm$ 0.391 χ^2 /NDF:425.5/44

All: 11.358 $\pm$ 0.283 χ^2 /NDF: 861.2/85

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 60.860 $\pm$ 1.423 χ^2 /NDF: 500.1/17

Left Out: -7.007 $\pm$ 0.572 χ^2 /NDF: 899.2/24

Right Out: 20.617 $\pm$ 1.099 χ^2 /NDF: 944.0/19

Left In: -8.158 $\pm$ 0.578 χ^2 /NDF: 753.9/22

Left: -7.577 $\pm$ 0.406 χ^2 /NDF: 1655.2/47

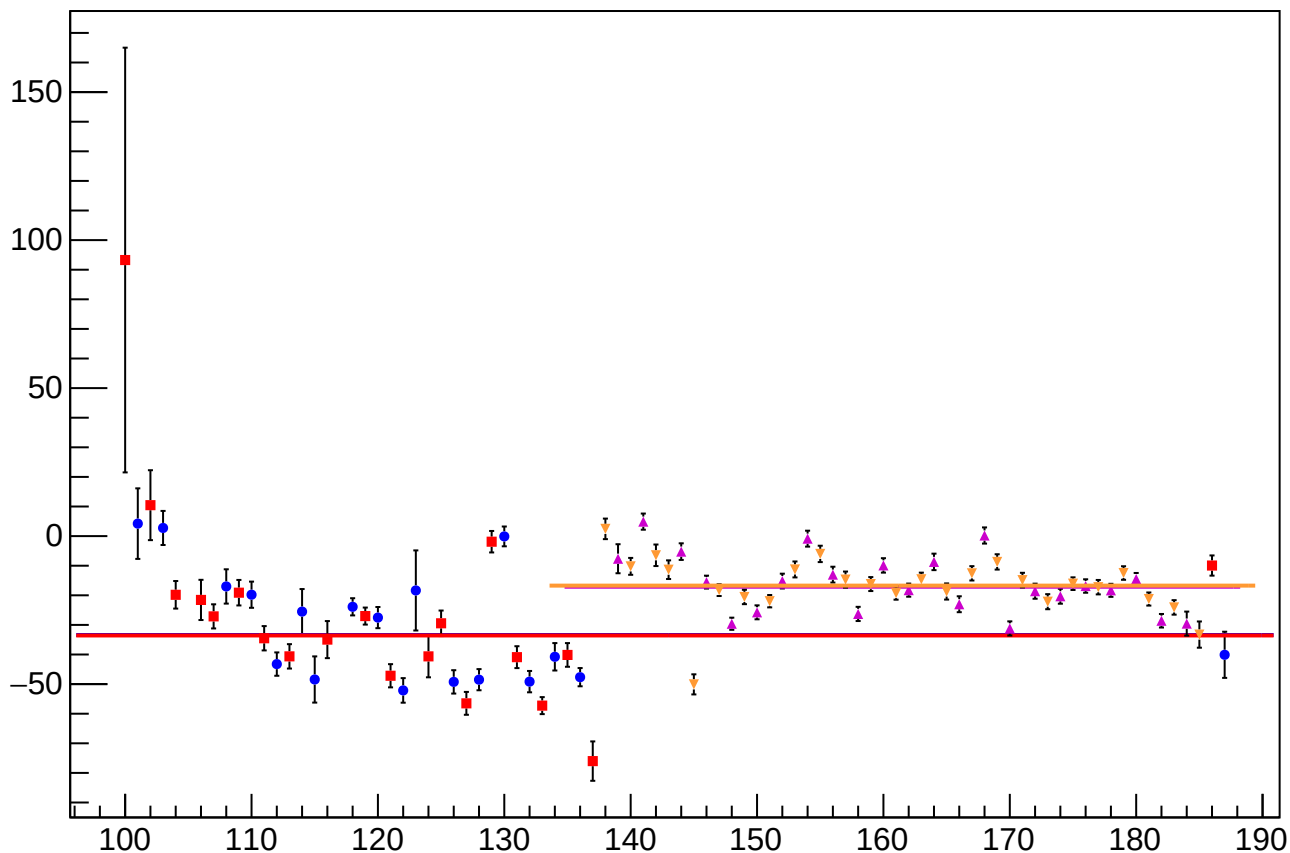
Right: 35.654 $\pm$ 0.870 χ^2 /NDF: 1945.2/37

In: 1.609 $\pm$ 0.535 χ^2 /NDF: 3274.1/40

Out: -1.120 $\pm$ 0.507 χ^2 /NDF: 2340.5/44

All: 0.172 $\pm$ 0.368 χ^2 /NDF: 5628.2/85

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.409 ± 1.024 χ^2/NDF : 289.9/17

Left Out: -16.727 ± 0.508 χ^2/NDF : 223.3/24

Right Out: -33.566 ± 0.953 χ^2/NDF : 339.7/19

Left In: -17.100 ± 0.520 χ^2/NDF : 328.1/22

Left: -16.909 ± 0.363 χ^2/NDF : 551.7/47

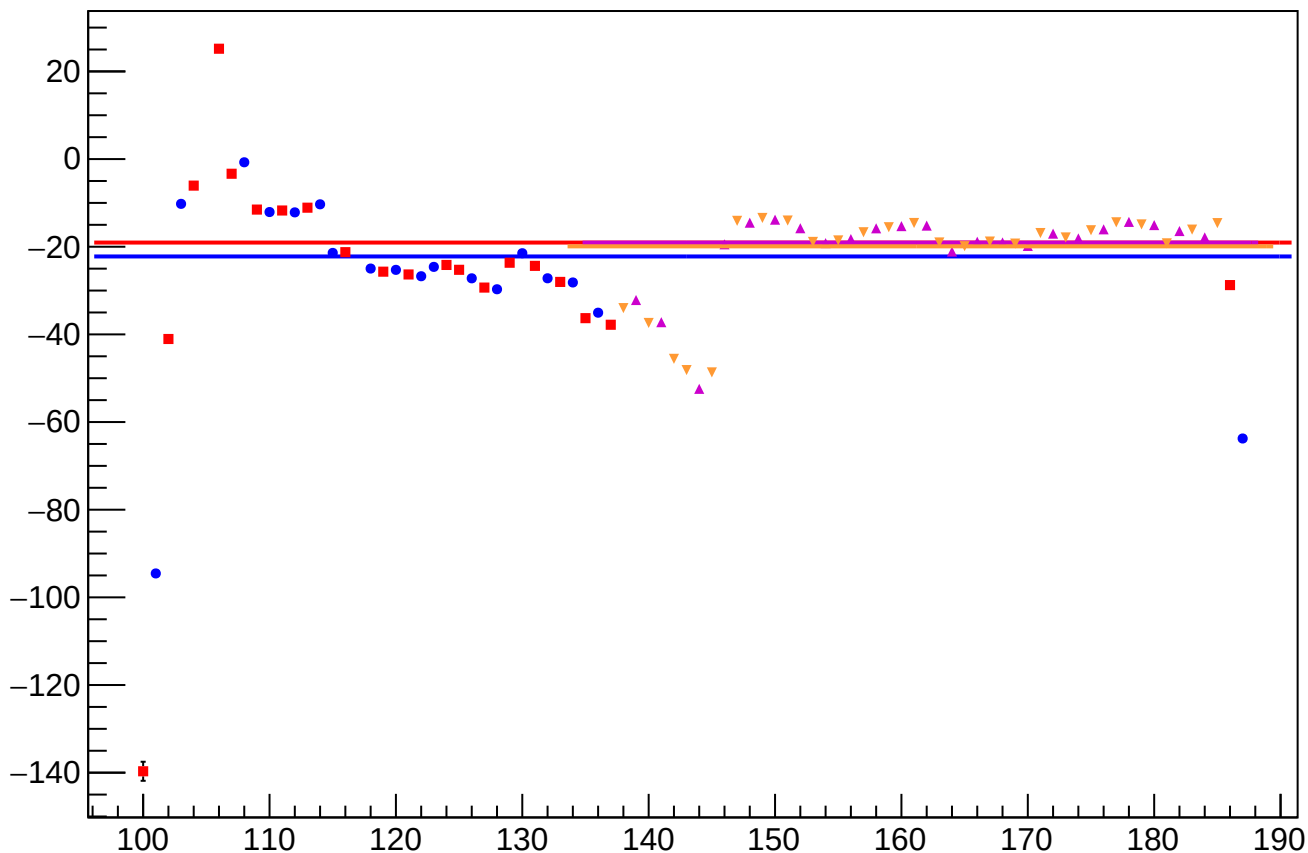
Right: -33.493 ± 0.698 χ^2/NDF : 629.5/37

In: -20.448 ± 0.464 χ^2/NDF : 819.5/40

Out: -20.450 ± 0.448 χ^2/NDF : 806.2/44

All: -20.449 ± 0.322 χ^2/NDF : 1625.7/85

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -22.218 ± 0.058 $\chi^2/\text{NDF}: 58118.8/17$

Left Out: -19.915 ± 0.023 $\chi^2/\text{NDF}: 141090.6/24$

Right Out: -19.049 ± 0.056 $\chi^2/\text{NDF}: 82425.8/19$

Left In: -19.068 ± 0.024 $\chi^2/\text{NDF}: 92702.3/22$

Left: -19.496 ± 0.017 $\chi^2/\text{NDF}: 234444.5/47$

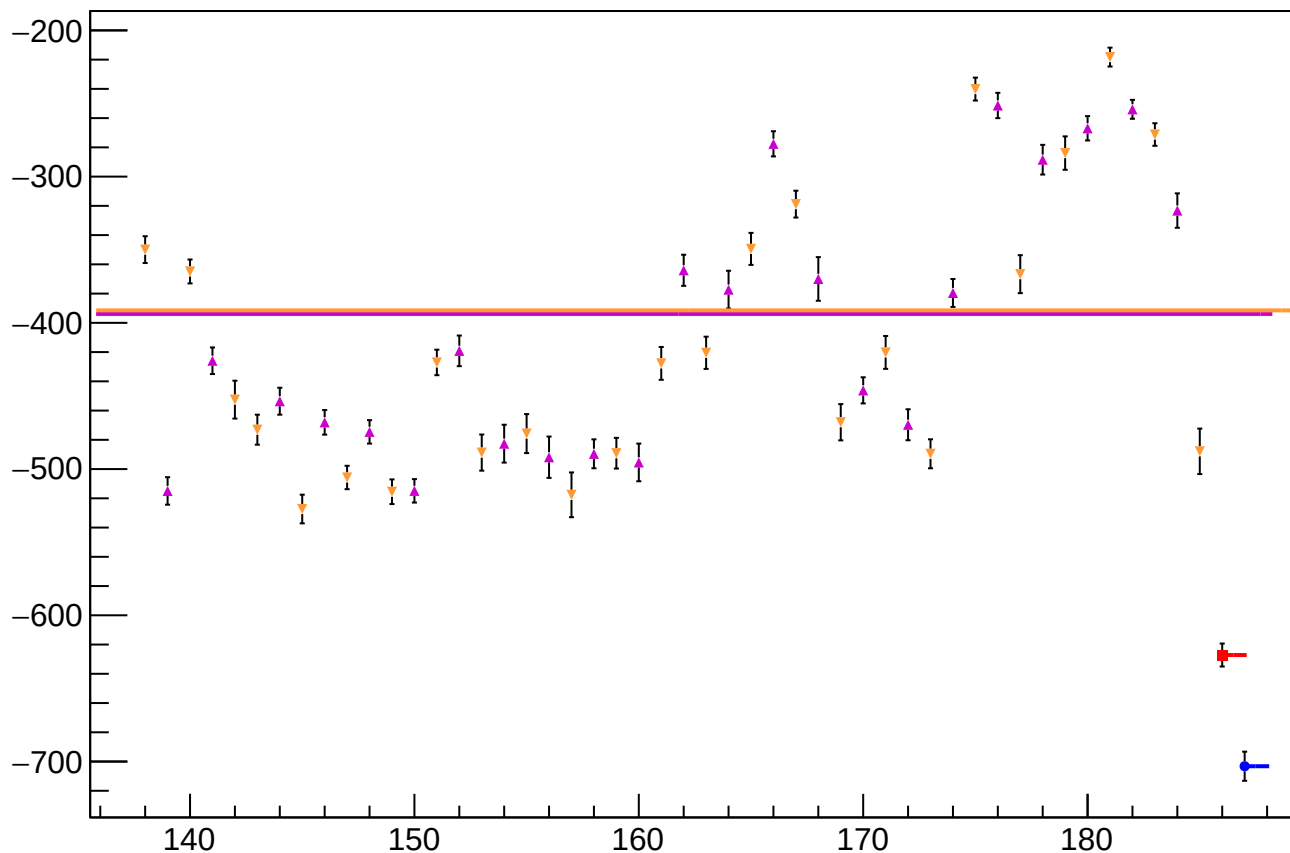
Right: -20.568 ± 0.040 $\chi^2/\text{NDF}: 142090.0/37$

In: -19.513 ± 0.022 $\chi^2/\text{NDF}: 153340.2/40$

Out: -19.786 ± 0.022 $\chi^2/\text{NDF}: 223721.1/44$

All: -19.651 ± 0.015 $\chi^2/\text{NDF}: 377140.8/85$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -703.210+/-9.965 χ^2/NDF : 0.0/0

Left Out: -391.476+/-1.973 χ^2/NDF : 2708.6/24

Right Out: -627.170+/-7.862 χ^2/NDF : 0.0/0

Left In: -393.904+/-1.998 χ^2/NDF : 2280.8/22

Left: -392.674+/-1.404 χ^2/NDF : 4990.1/47

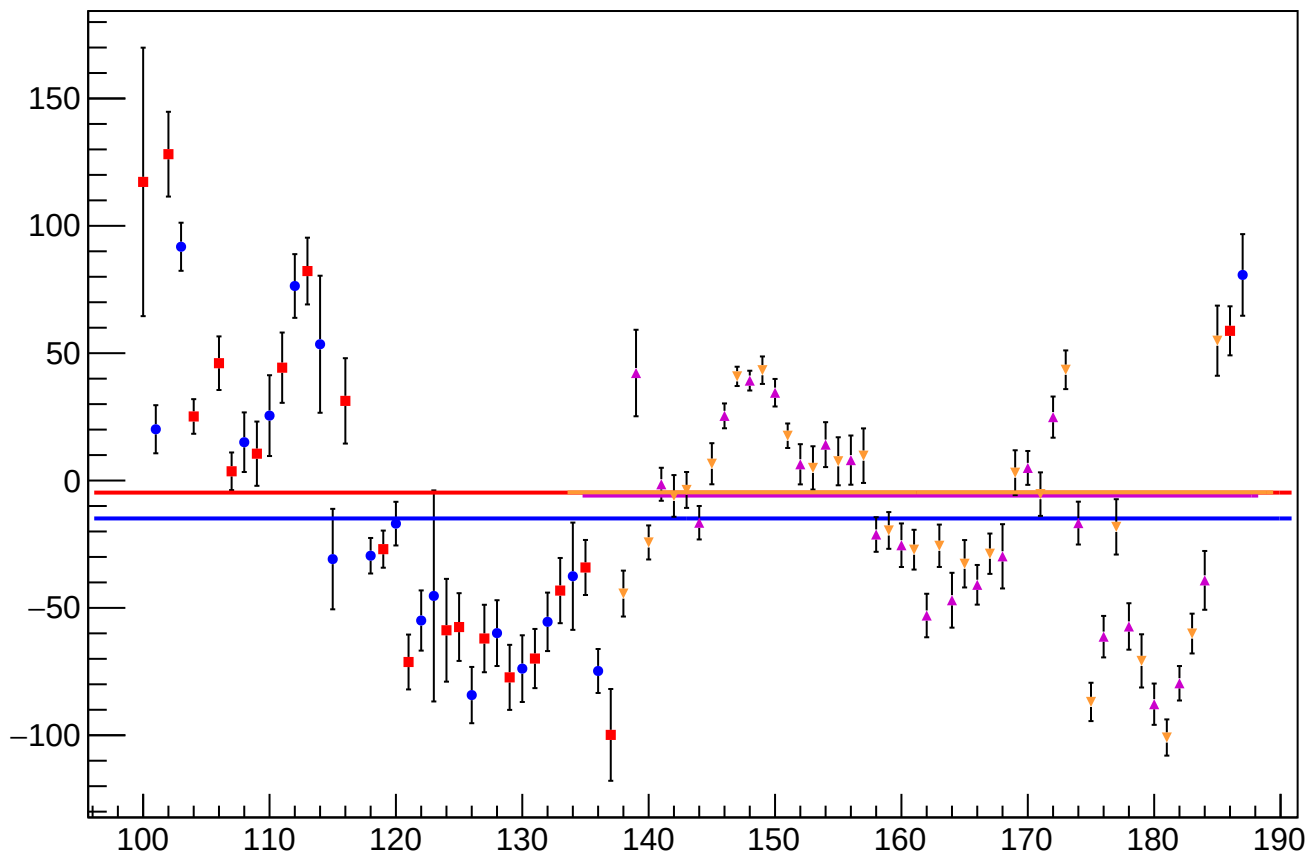
Right: -656.346+/-6.172 χ^2/NDF : 35.9/1

In: -405.857+/-1.959 χ^2/NDF : 3207.1/23

Out: -405.432+/-1.913 χ^2/NDF : 3554.1/25

All: -405.640+/-1.369 χ^2/NDF : 6761.2/49

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -14.884 ± 2.740 $\chi^2/\text{NDF}: 400.5/17$

Left Out: -4.635 ± 1.467 $\chi^2/\text{NDF}: 771.4/24$

Right Out: -4.738 ± 2.522 $\chi^2/\text{NDF}: 416.3/19$

Left In: -5.906 ± 1.513 $\chi^2/\text{NDF}: 657.5/22$

Left: -5.251 ± 1.053 $\chi^2/\text{NDF}: 1429.3/47$

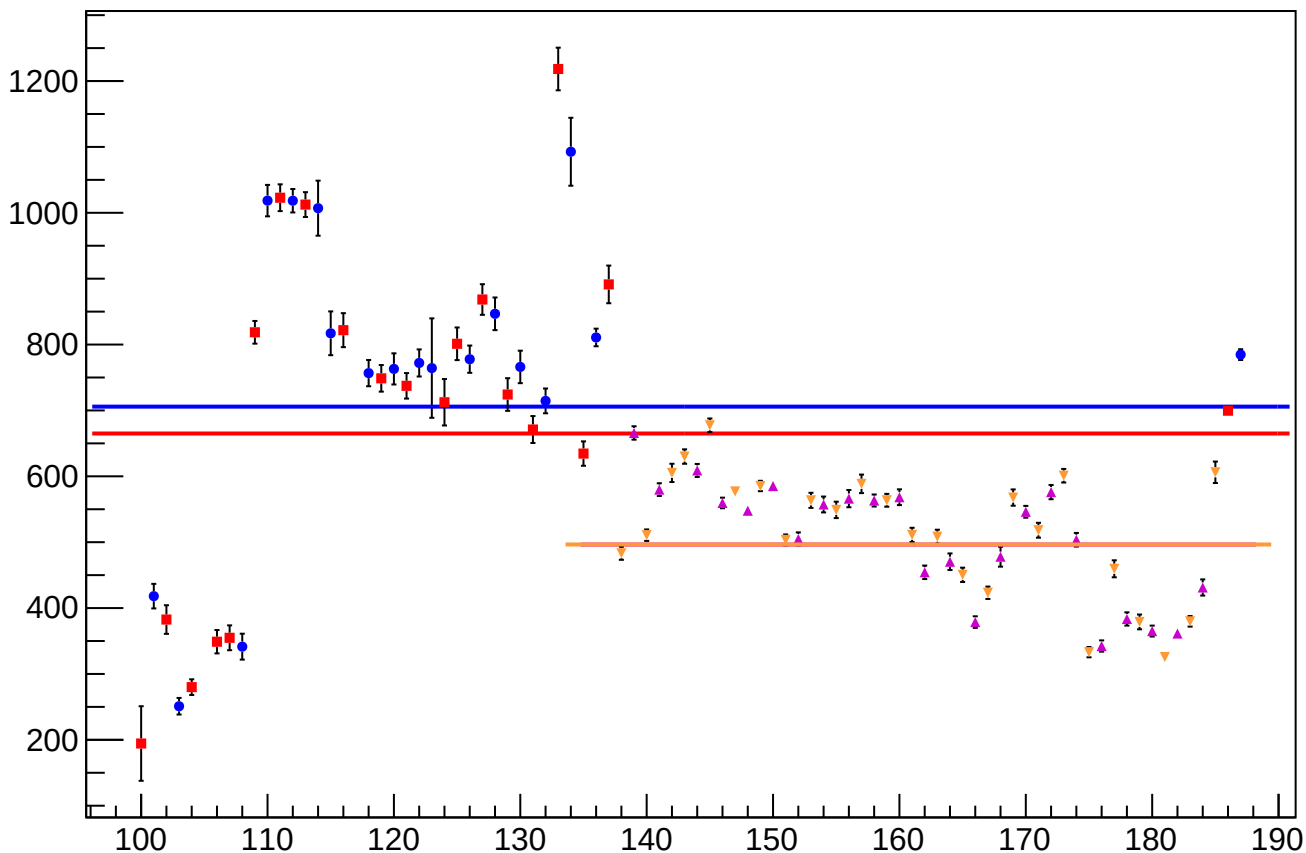
Right: -9.390 ± 1.856 $\chi^2/\text{NDF}: 824.3/37$

In: -8.004 ± 1.325 $\chi^2/\text{NDF}: 1066.3/40$

Out: -4.661 ± 1.268 $\chi^2/\text{NDF}: 1187.7/44$

All: -6.260 ± 0.916 $\chi^2/\text{NDF}: 2257.3/85$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 705.782 $\pm$ 4.290 χ^2 /NDF: 2714.7/17

Left Out: 496.535 $\pm$ 1.971 χ^2 /NDF:2589.1/24

Right Out: 664.983 $\pm$ 3.791 χ^2 /NDF: 3171.4/19

Left In: 496.393 $\pm$ 1.985 χ^2 /NDF:2295.8/22

Left: 496.465 $\pm$ 1.399 χ^2 /NDF: 4884.9/47

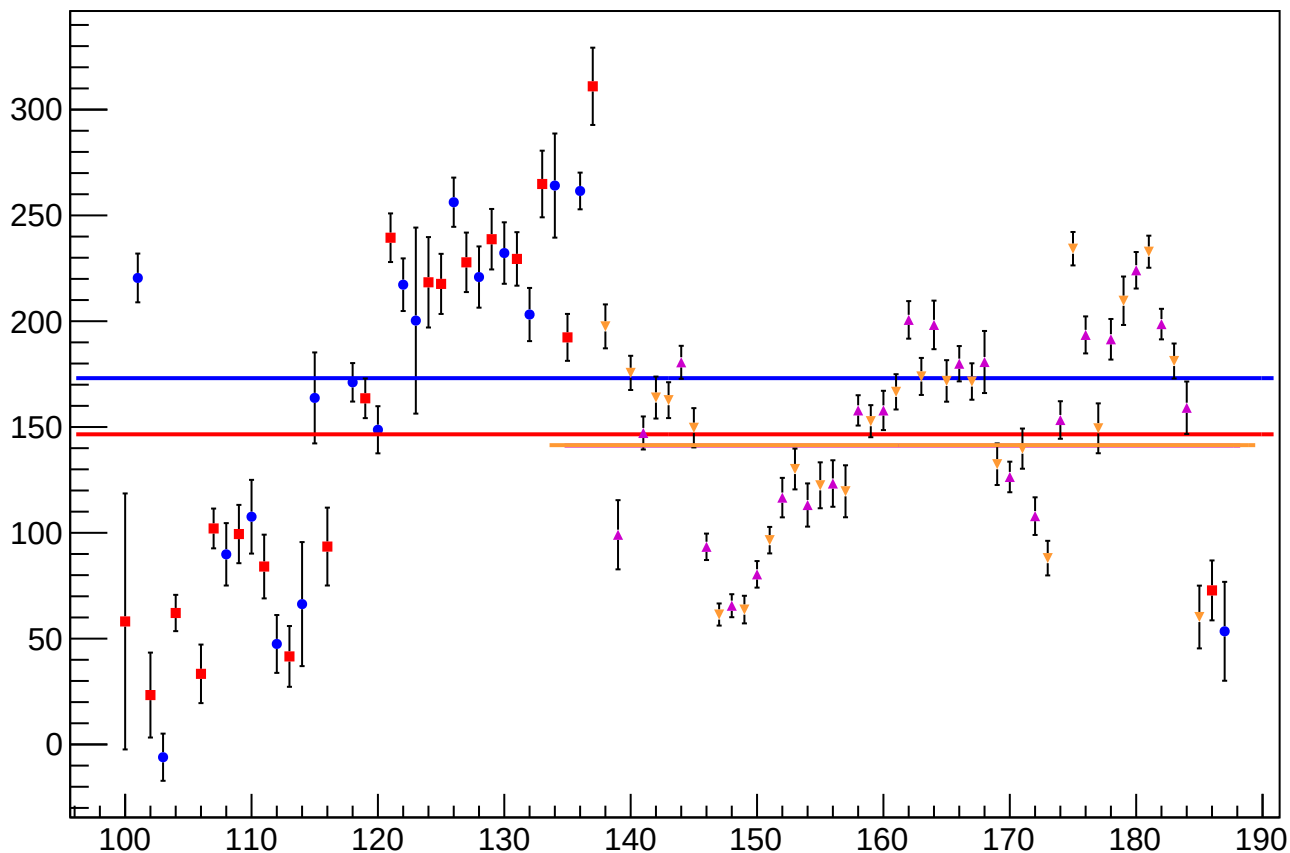
Right: 682.875 $\pm$ 2.841 χ^2 /NDF: 5936.9/37

In: 533.336 $\pm$ 1.802 χ^2 /NDF:6972.8/40

Out: 532.380 $\pm$ 1.749 χ^2 /NDF:7314.5/44

All: 532.844 $\pm$ 1.255 χ^2 /NDF: 14287.4/85

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 173.093 $\pm$ 3.173 χ^2 /NDF: 665.2/17

Left Out: 141.430 $\pm$ 1.704 χ^2 /NDF:957.7/24

Right Out: 146.551 $\pm$ 2.977 χ^2 /NDF: 721.6/19

Left In: 141.248 $\pm$ 1.744 χ^2 /NDF:744.2/22

Left: 141.341 $\pm$ 1.219 χ^2 /NDF: 1701.9/47

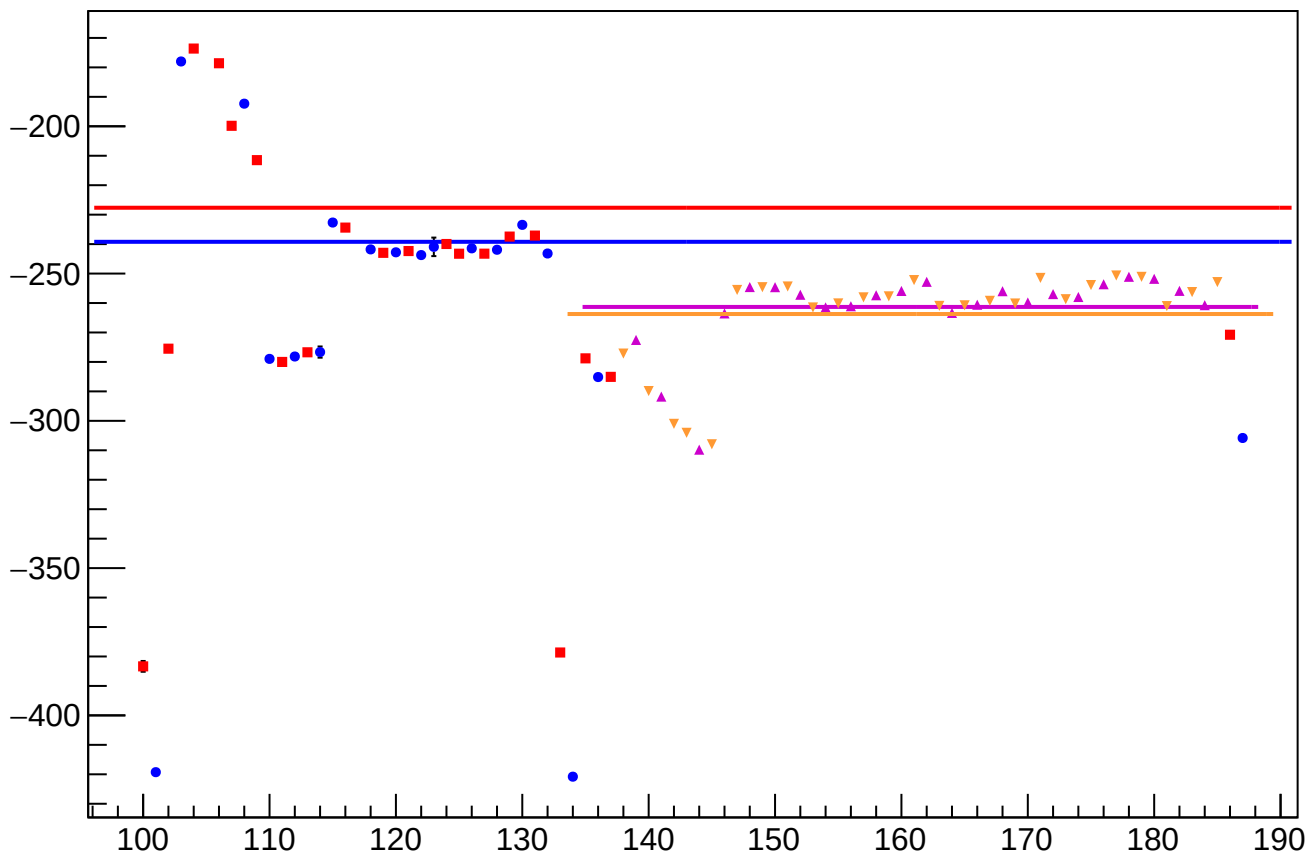
Right: 158.976 $\pm$ 2.171 χ^2 /NDF: 1424.0/37

In: 148.635 $\pm$ 1.528 χ^2 /NDF:1486.7/40

Out: 142.694 $\pm$ 1.479 χ^2 /NDF:1681.5/44

All: 145.567 $\pm$ 1.063 χ^2 /NDF: 3176.0/85

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -239.218+/-0.159 χ^2/NDF : 169688.3/17

Left Out: -263.734+/-0.081 χ^2/NDF : 37922.0/24

Right Out: -227.651+/-0.149 χ^2/NDF : 104654.2/19

Left In: -261.325+/-0.082 χ^2/NDF : 23449.2/22

Left: -262.533+/-0.058 χ^2/NDF : 61807.4/47

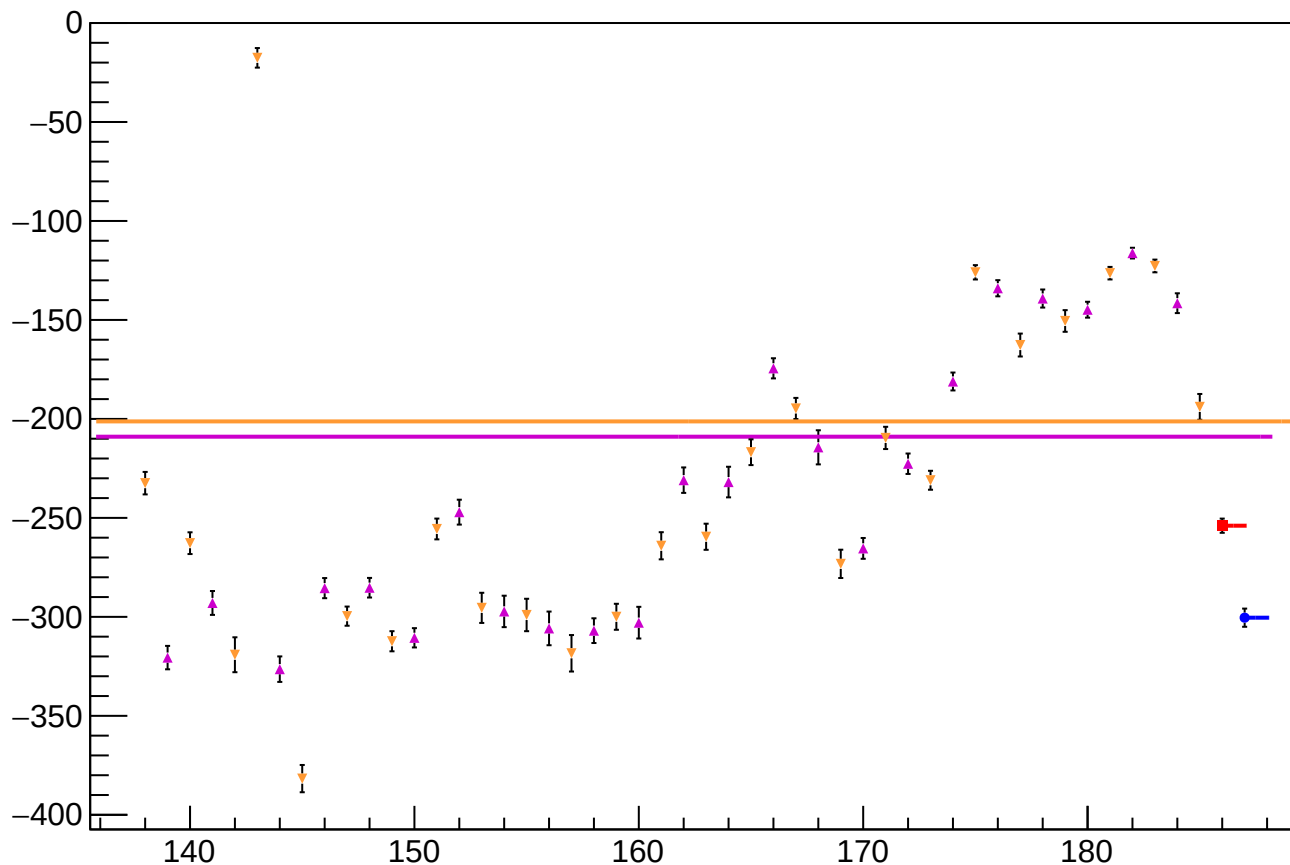
Right: -233.086+/-0.109 χ^2/NDF : 277156.6/37

In: -256.702+/-0.073 χ^2/NDF : 208470.9/40

Out: -255.470+/-0.072 χ^2/NDF : 187507.0/44

All: -256.077+/-0.051 χ^2/NDF : 396124.0/85

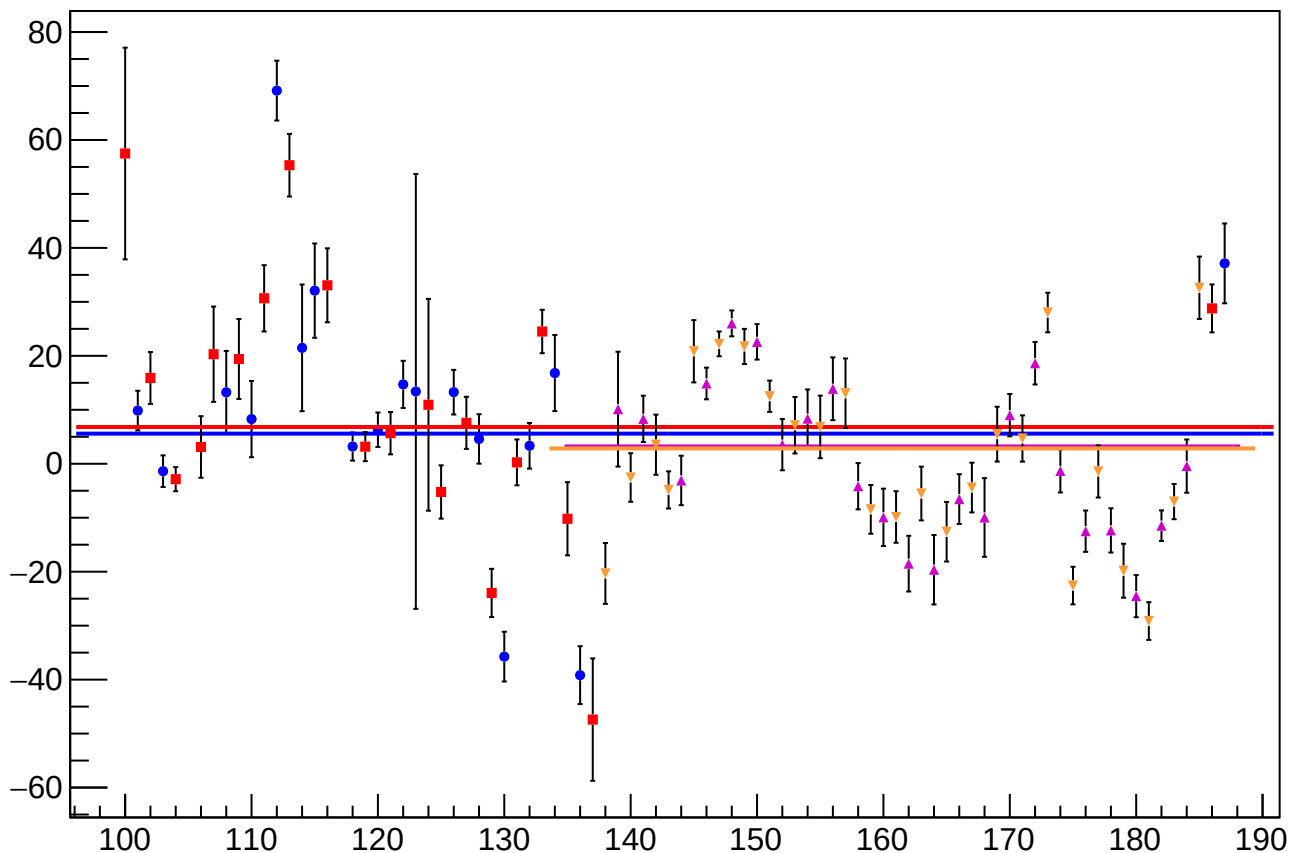
reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -300.418+/-4.592 χ^2/NDF : 0.0/0
 Left Out: -201.261+/-1.065 χ^2/NDF : 6110.1/24
 Right Out: -253.947+/-3.589 χ^2/NDF : 0.0/0
 Left In: -208.981+/-1.078 χ^2/NDF : 4865.2/22

Left: -205.075+/-0.758 χ^2/NDF : 11001.2/47
 Right: -271.573+/-2.828 χ^2/NDF : 63.6/1
 In: -213.759+/-1.050 χ^2/NDF : 5241.1/23
 Out: -205.528+/-1.021 χ^2/NDF : 6308.1/25
 All: -209.531+/-0.732 χ^2/NDF : 11580.8/49

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.580 ± 1.077 χ^2/NDF : 330.5/17

Left Out: 2.841 ± 0.824 χ^2/NDF : 420.6/24

Right Out: 6.812 ± 1.041 χ^2/NDF : 265.0/19

Left In: 3.208 ± 0.854 χ^2/NDF : 323.8/22

Left: 3.018 ± 0.593 χ^2/NDF : 744.6/47

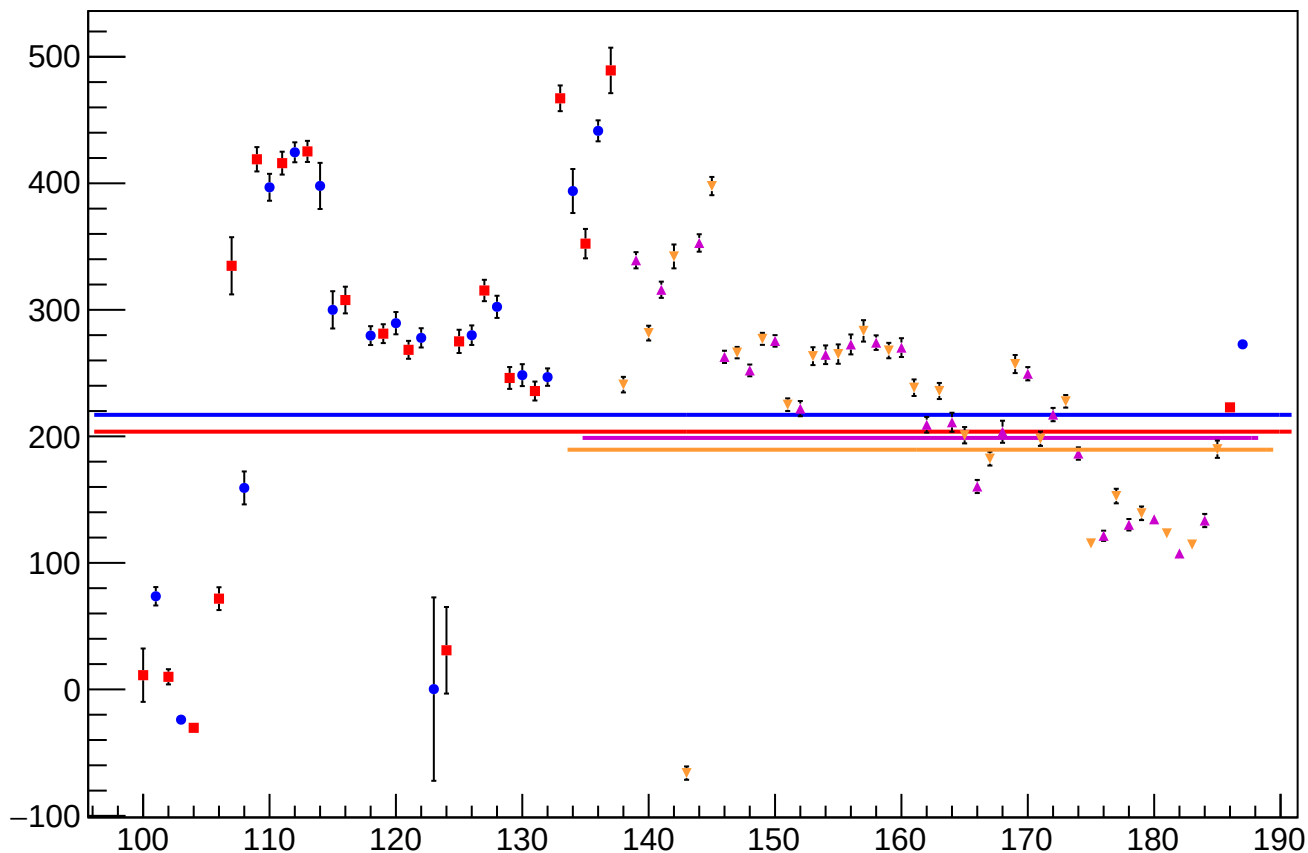
Right: 6.217 ± 0.749 χ^2/NDF : 596.2/37

In: 4.124 ± 0.669 χ^2/NDF : 657.4/40

Out: 4.369 ± 0.646 χ^2/NDF : 694.6/44

All: 4.251 ± 0.465 χ^2/NDF : 1352.0/85

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 217.009 $\pm$ 1.747 χ^2 /NDF: 7031.9/17

Left Out: 189.453 $\pm$ 1.070 χ^2 /NDF:6649.7/24

Right Out: 203.710 $\pm$ 1.598 χ^2 /NDF: 8322.2/19

Left In: 198.762 $\pm$ 1.078 χ^2 /NDF:4590.0/22

Left: 194.072 $\pm$ 0.759 χ^2 /NDF: 11277.3/47

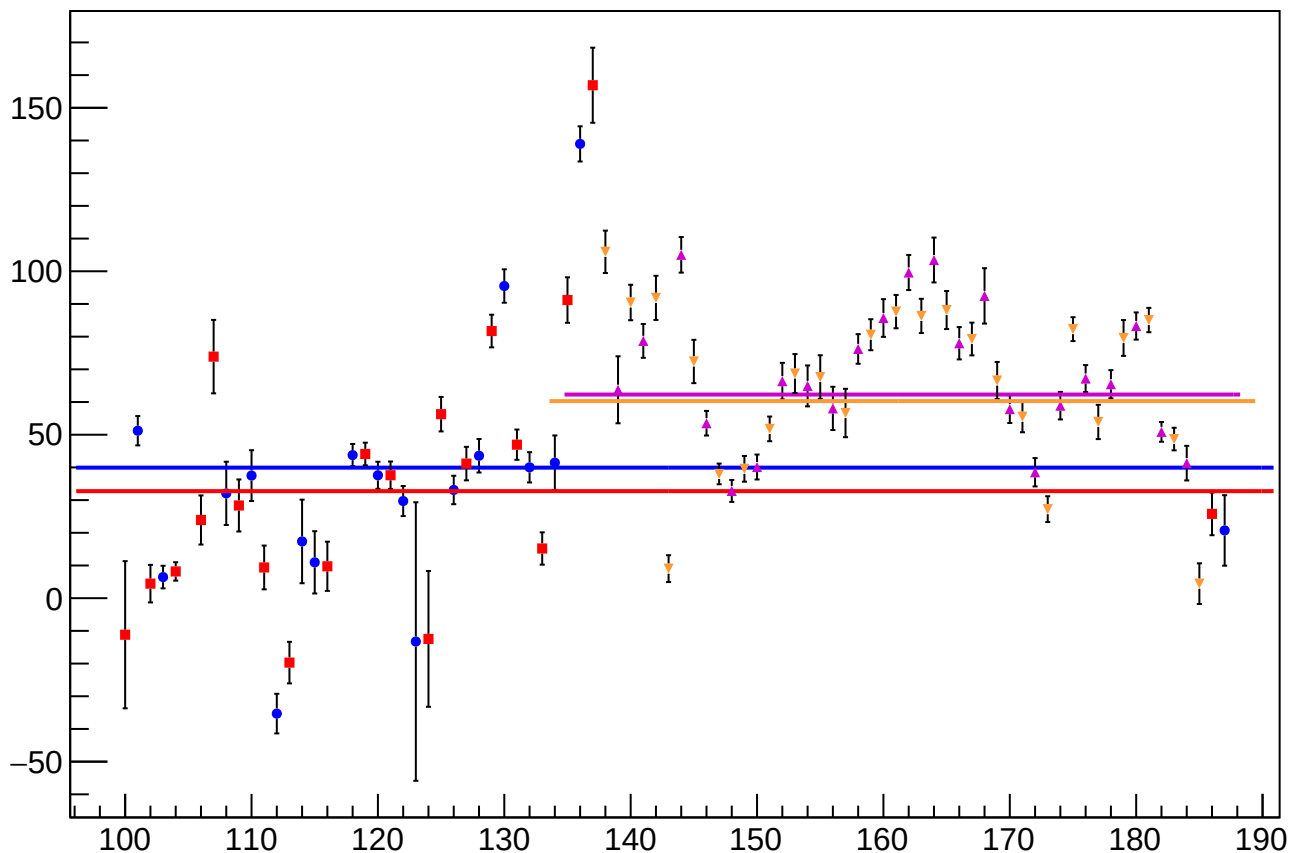
Right: 209.769 $\pm$ 1.179 χ^2 /NDF: 15385.7/37

In: 203.795 $\pm$ 0.917 χ^2 /NDF:11701.0/40

Out: 193.865 $\pm$ 0.889 χ^2 /NDF:15026.9/44

All: 198.674 $\pm$ 0.638 χ^2 /NDF: 26788.3/85

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.931+/-1.259 χ^2 /NDF: 738.2/17

Left Out: 60.287+/-0.945 χ^2 /NDF: 714.8/24

Right Out: 32.743+/-1.230 χ^2 /NDF: 555.3/19

Left In: 62.290+/-0.971 χ^2 /NDF: 411.6/22

Left: 61.261+/-0.677 χ^2 /NDF: 1128.6/47

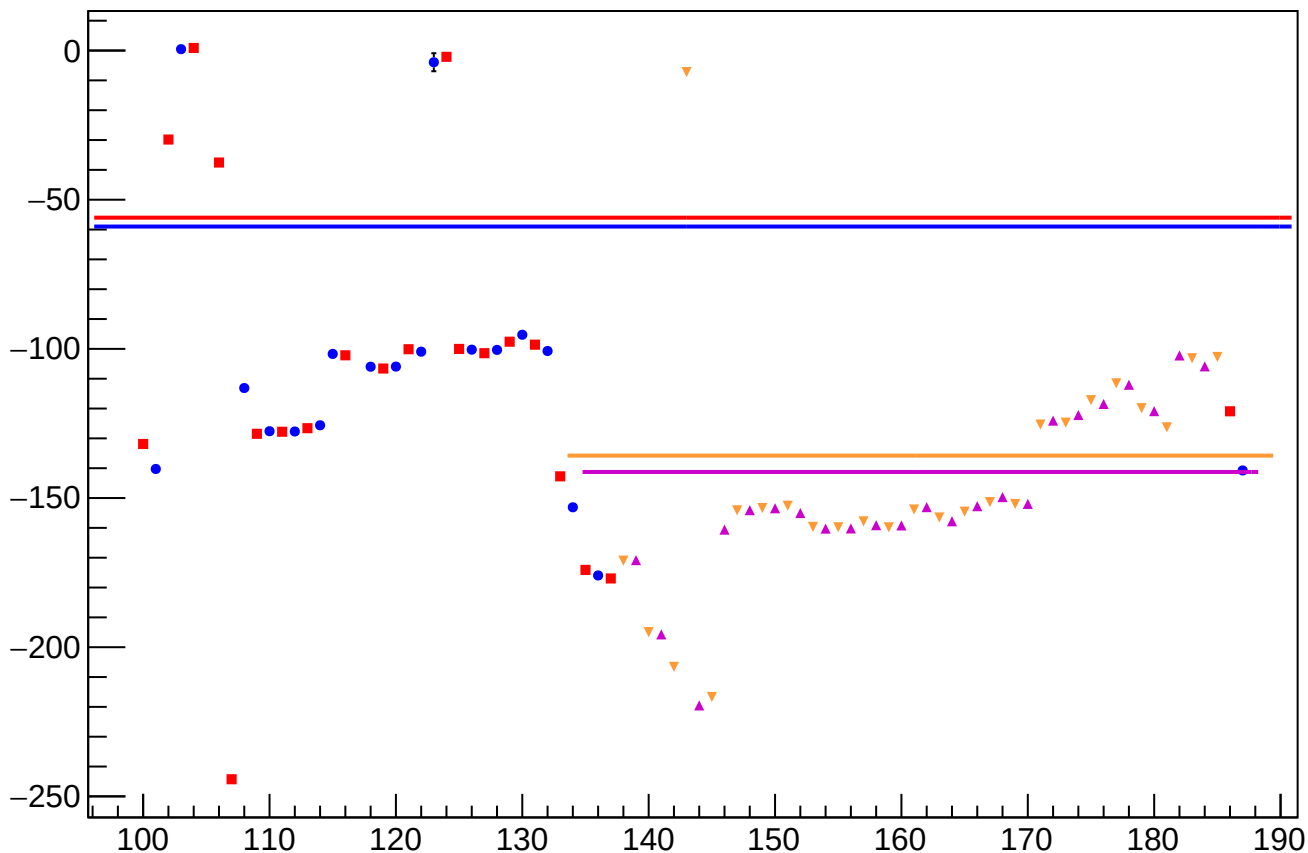
Right: 36.254+/-0.880 χ^2 /NDF: 1310.1/37

In: 53.947+/-0.769 χ^2 /NDF: 1347.6/40

Out: 50.064+/-0.749 χ^2 /NDF: 1585.4/44

All: 51.955+/-0.537 χ^2 /NDF: 2946.0/85

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.992 ± 0.061 $\chi^2/\text{NDF}: 1123735.9/17$

Left Out: -135.775 ± 0.045 $\chi^2/\text{NDF}: 742021.1/24$

Right Out: -56.014 ± 0.060 $\chi^2/\text{NDF}: 1023903.9/19$

Left In: -141.259 ± 0.045 $\chi^2/\text{NDF}: 350045.9/22$

Left: -138.491 ± 0.032 $\chi^2/\text{NDF}: 1099530.1/47$

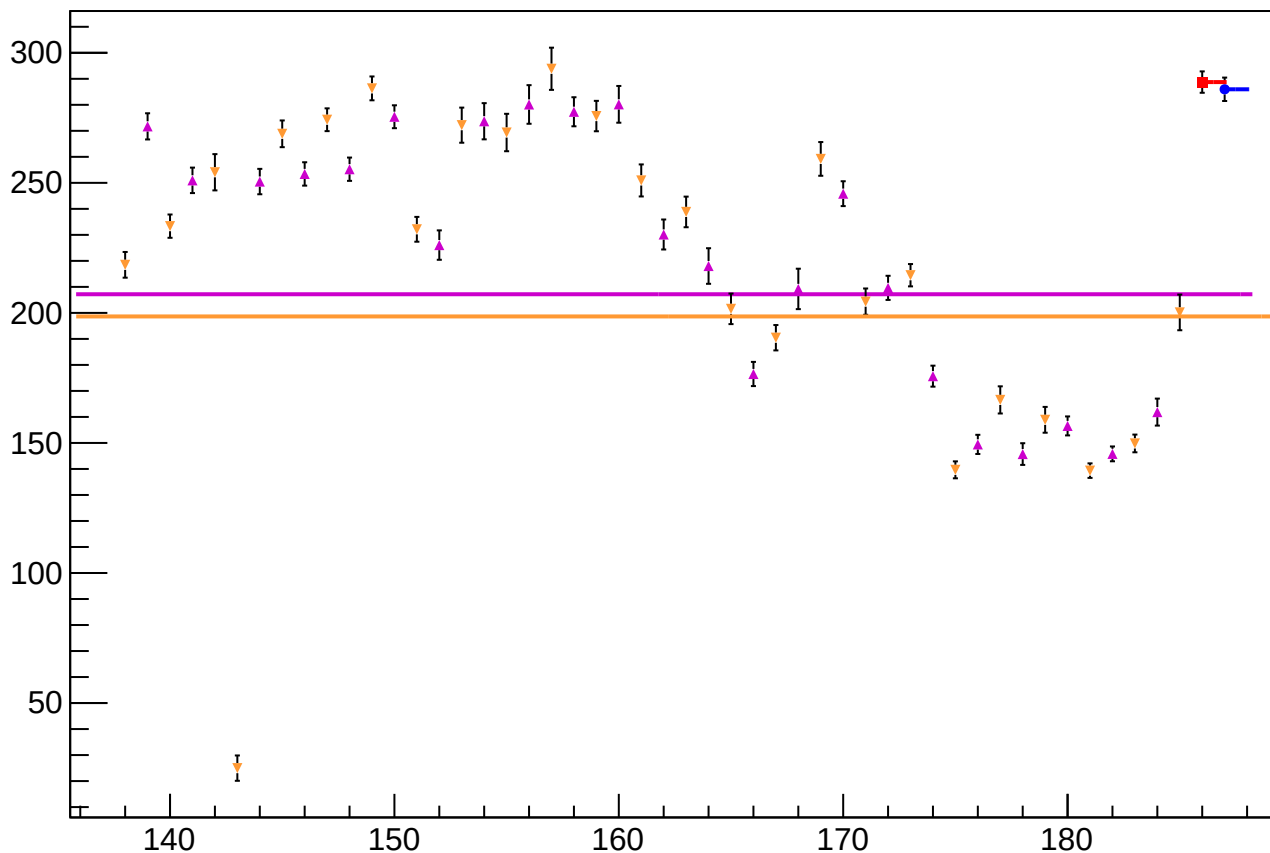
Right: -57.465 ± 0.043 $\chi^2/\text{NDF}: 2148851.4/37$

In: -112.338 ± 0.036 $\chi^2/\text{NDF}: 2643187.7/40$

Out: -107.156 ± 0.036 $\chi^2/\text{NDF}: 2909791.5/44$

All: -109.707 ± 0.025 $\chi^2/\text{NDF}: 5563311.6/85$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 285.970 $\pm$ 4.498 χ^2 /NDF: 0.0/0

Left Out: 198.637 $\pm$ 0.966 χ^2 /NDF:4146.6/24

Right Out: 288.742 $\pm$ 4.111 χ^2 /NDF: 0.0/0

Left In: 207.171 $\pm$ 0.986 χ^2 /NDF:2631.6/22

Left: 202.817 $\pm$ 0.690 χ^2 /NDF: 6816.4/47

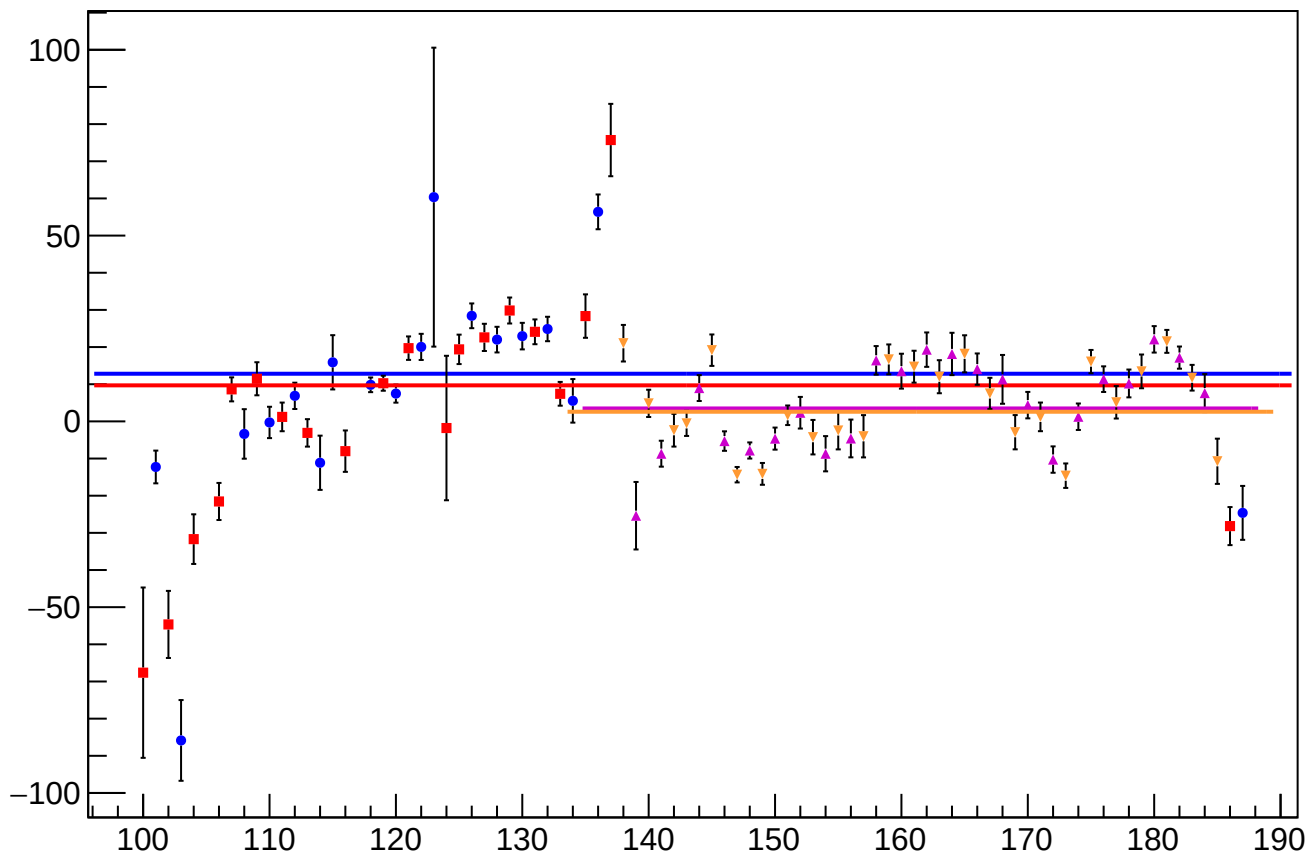
Right: 287.481 $\pm$ 3.035 χ^2 /NDF: 0.2/1

In: 210.784 $\pm$ 0.963 χ^2 /NDF:2924.3/23

Out: 203.353 $\pm$ 0.941 χ^2 /NDF:4601.9/25

All: 206.980 $\pm$ 0.673 χ^2 /NDF: 7556.7/49

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.821+/-0.912 χ^2/NDF : 322.3/17

Left Out: 2.595+/-0.744 χ^2/NDF : 274.3/24

Right Out: 9.695+/-0.902 χ^2/NDF : 359.1/19

Left In: 3.478+/-0.772 χ^2/NDF : 194.7/22

Left: 3.020+/-0.536 χ^2/NDF : 469.7/47

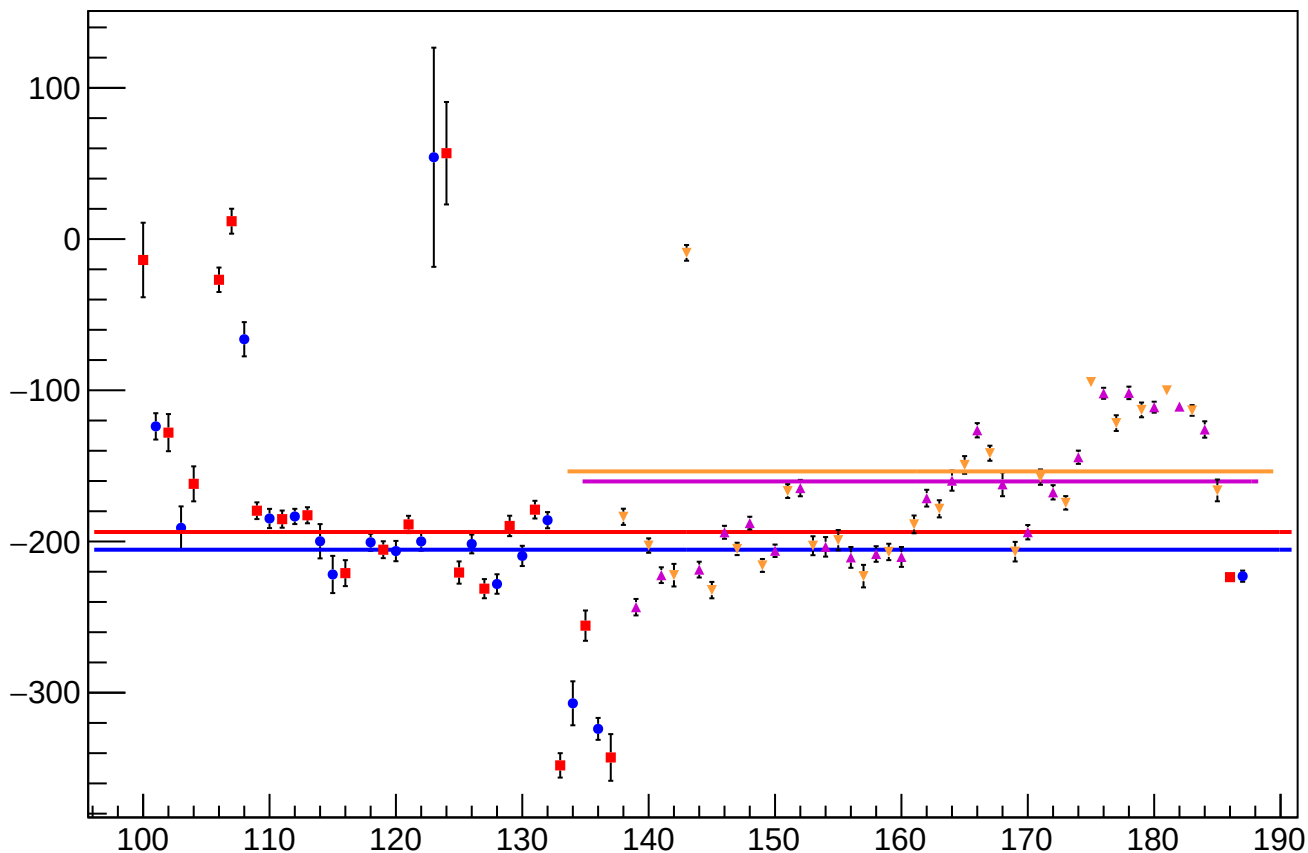
Right: 11.240+/-0.641 χ^2/NDF : 687.3/37

In: 7.377+/-0.589 χ^2/NDF : 578.1/40

Out: 5.470+/-0.574 χ^2/NDF : 670.3/44

All: 6.398+/-0.411 χ^2/NDF : 1253.7/85

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -205.442 ± 1.603 χ^2/NDF : 651.1/17

Left Out: -153.649 ± 0.970 χ^2/NDF : 2930.9/24

Right Out: -193.729 ± 1.510 χ^2/NDF : 1853.9/19

Left In: -160.279 ± 0.985 χ^2/NDF : 2049.4/22

Left: -156.913 ± 0.691 χ^2/NDF : 5003.3/47

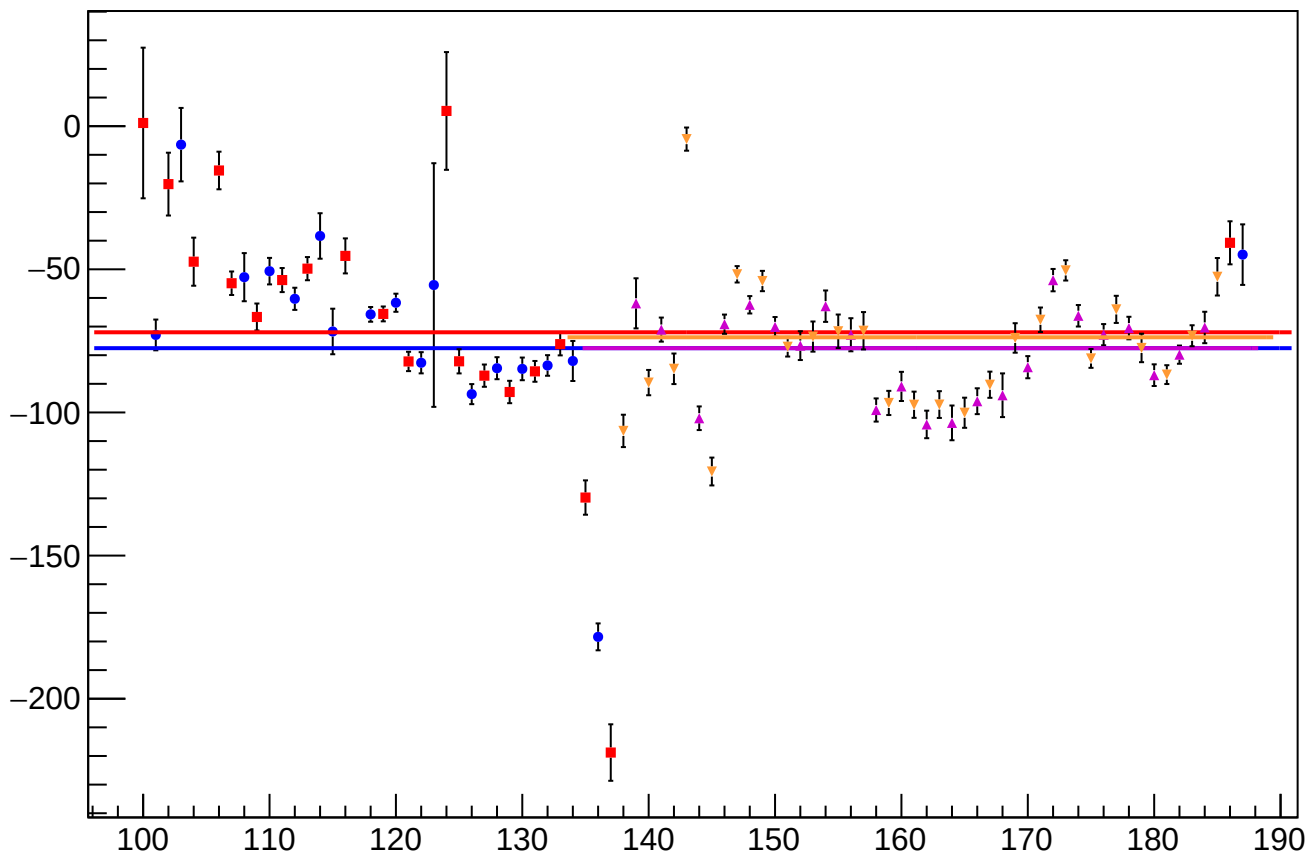
Right: -199.234 ± 1.099 χ^2/NDF : 2533.3/37

In: -172.652 ± 0.839 χ^2/NDF : 3276.6/40

Out: -165.355 ± 0.816 χ^2/NDF : 5283.6/44

All: -168.901 ± 0.585 χ^2/NDF : 8599.1/85

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.545 ± 1.060 χ^2/NDF : 667.8/17

Left Out: -73.741 ± 0.855 χ^2/NDF : 728.3/24

Right Out: -71.998 ± 1.044 χ^2/NDF : 624.5/19

Left In: -77.545 ± 0.880 χ^2/NDF : 252.7/22

Left: -75.587 ± 0.613 χ^2/NDF : 990.6/47

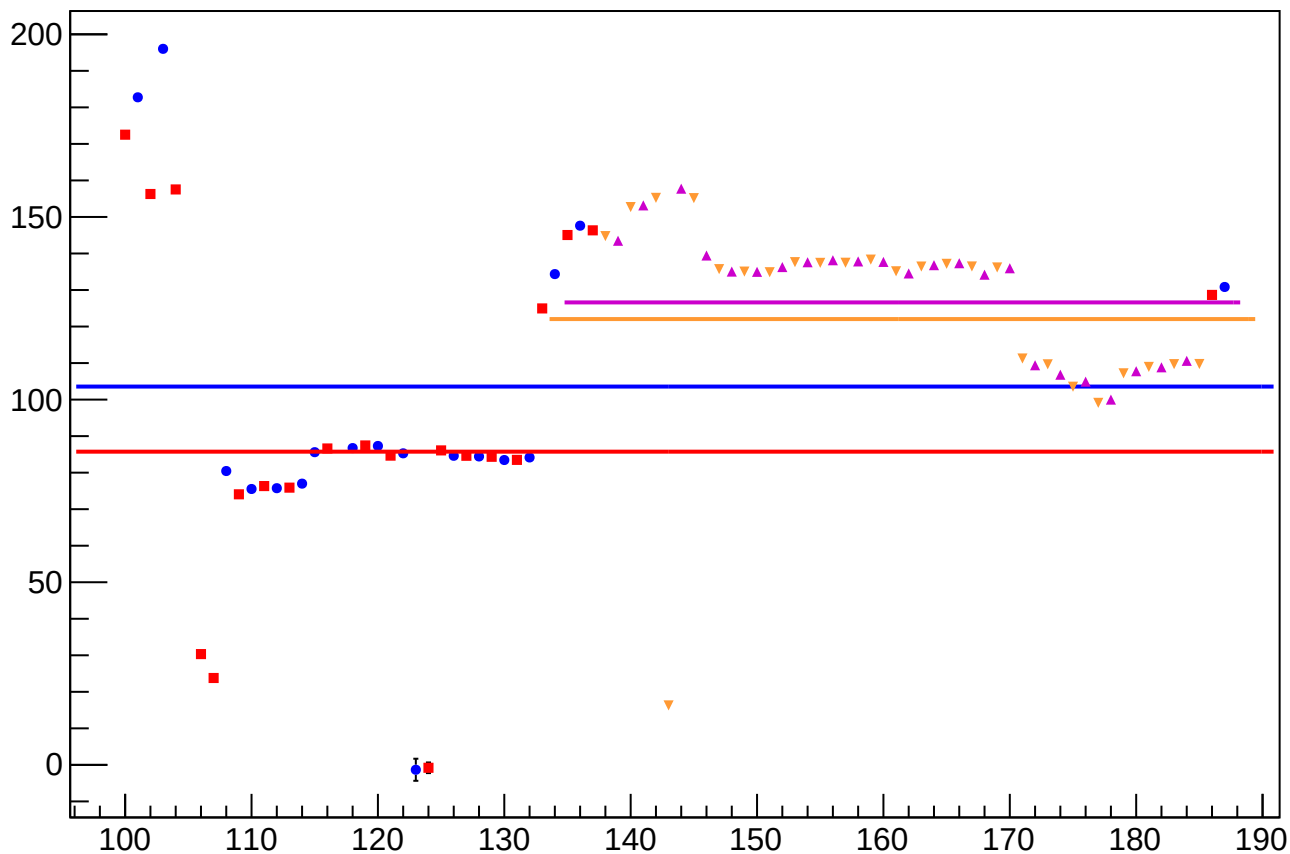
Right: -74.728 ± 0.744 χ^2/NDF : 1306.2/37

In: -77.545 ± 0.677 χ^2/NDF : 920.6/40

Out: -73.041 ± 0.661 χ^2/NDF : 1354.4/44

All: -75.240 ± 0.473 χ^2/NDF : 2297.6/85

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.569 $\pm$ 0.070 χ^2 /NDF: 275715.4/17

Left Out: 122.046 $\pm$ 0.040 χ^2 /NDF: 437985.3/24

Right Out: 85.746 $\pm$ 0.063 χ^2 /NDF: 430223.4/19

Left In: 126.605 $\pm$ 0.041 χ^2 /NDF: 164757.9/22

Left: 124.300 $\pm$ 0.029 χ^2 /NDF: 609027.6/47

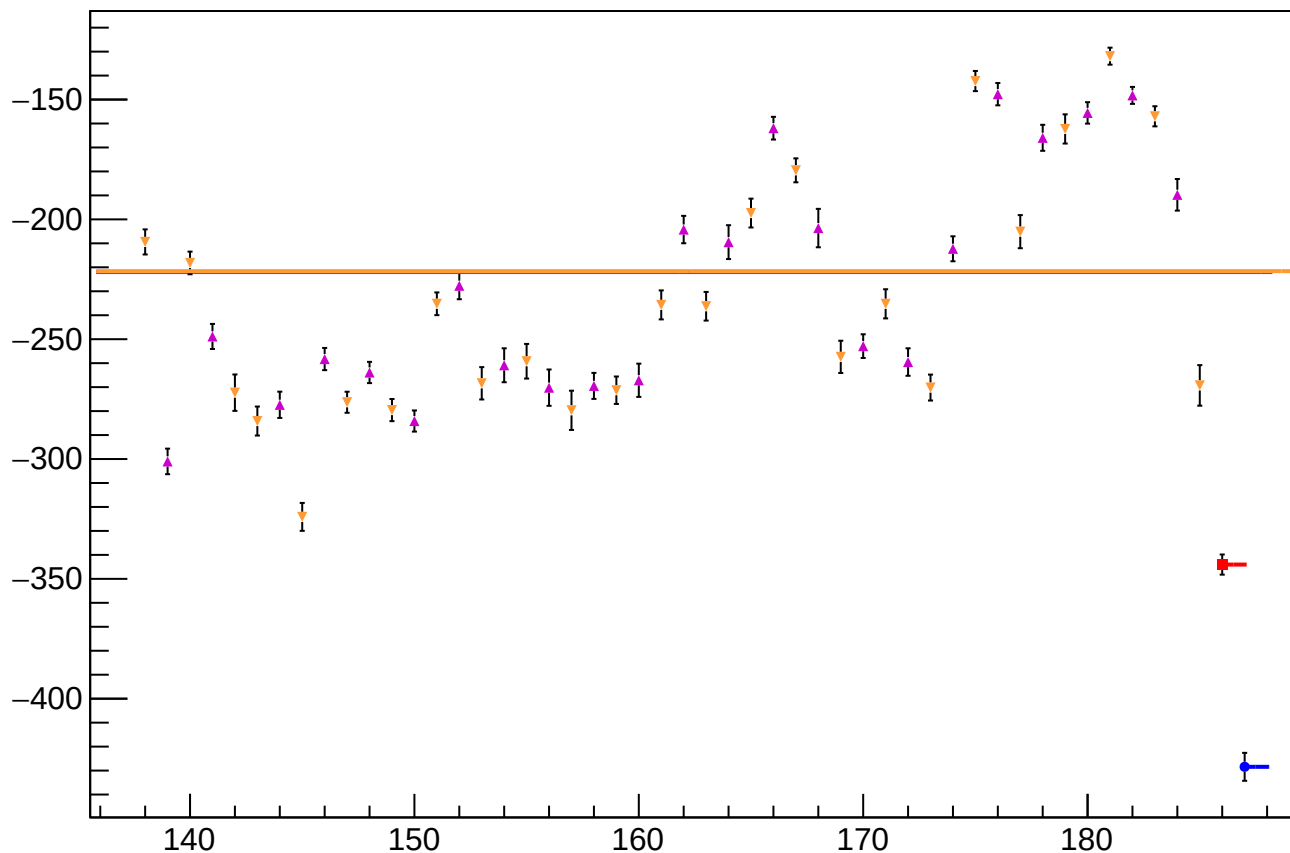
Right: 93.779 $\pm$ 0.047 χ^2 /NDF: 741705.4/37

In: 120.725 $\pm$ 0.035 χ^2 /NDF: 521479.3/40

Out: 111.520 $\pm$ 0.034 χ^2 /NDF: 1101954.6/44

All: 115.961 $\pm$ 0.025 χ^2 /NDF: 1658651.7/85

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -428.433+/-5.832 χ^2/NDF : 0.0/0

Left Out: -221.606+/-1.087 χ^2/NDF :2565.8/24

Right Out: -344.039+/-4.204 χ^2/NDF : 0.0/0

Left In: -221.980+/-1.098 χ^2/NDF :2190.6/22

Left: -221.791+/-0.773 χ^2/NDF : 4756.5/47

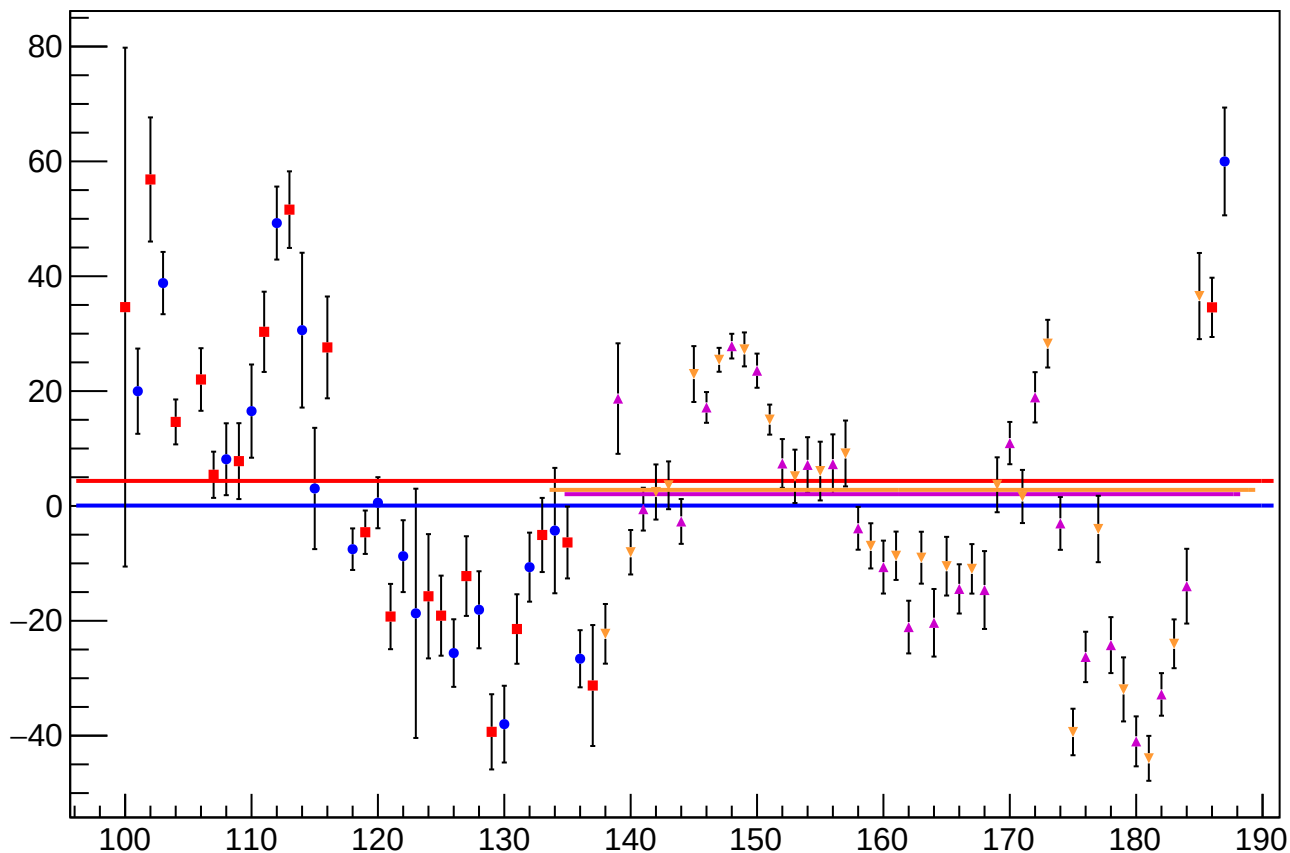
Right: -372.896+/-3.410 χ^2/NDF : 137.8/1

In: -229.049+/-1.079 χ^2/NDF :3400.9/23

Out: -229.283+/-1.053 χ^2/NDF :3360.9/25

All: -229.169+/-0.754 χ^2/NDF : 6761.8/49

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.067 $\pm$ 1.494 χ^2 /NDF: 267.9/17

Left Out: 2.800 $\pm$ 0.810 χ^2 /NDF:685.5/24

Right Out: 4.359 $\pm$ 1.353 χ^2 /NDF: 269.5/19

Left In: 2.050 $\pm$ 0.833 χ^2 /NDF:592.6/22

Left: 2.436 $\pm$ 0.581 χ^2 /NDF: 1278.5/47

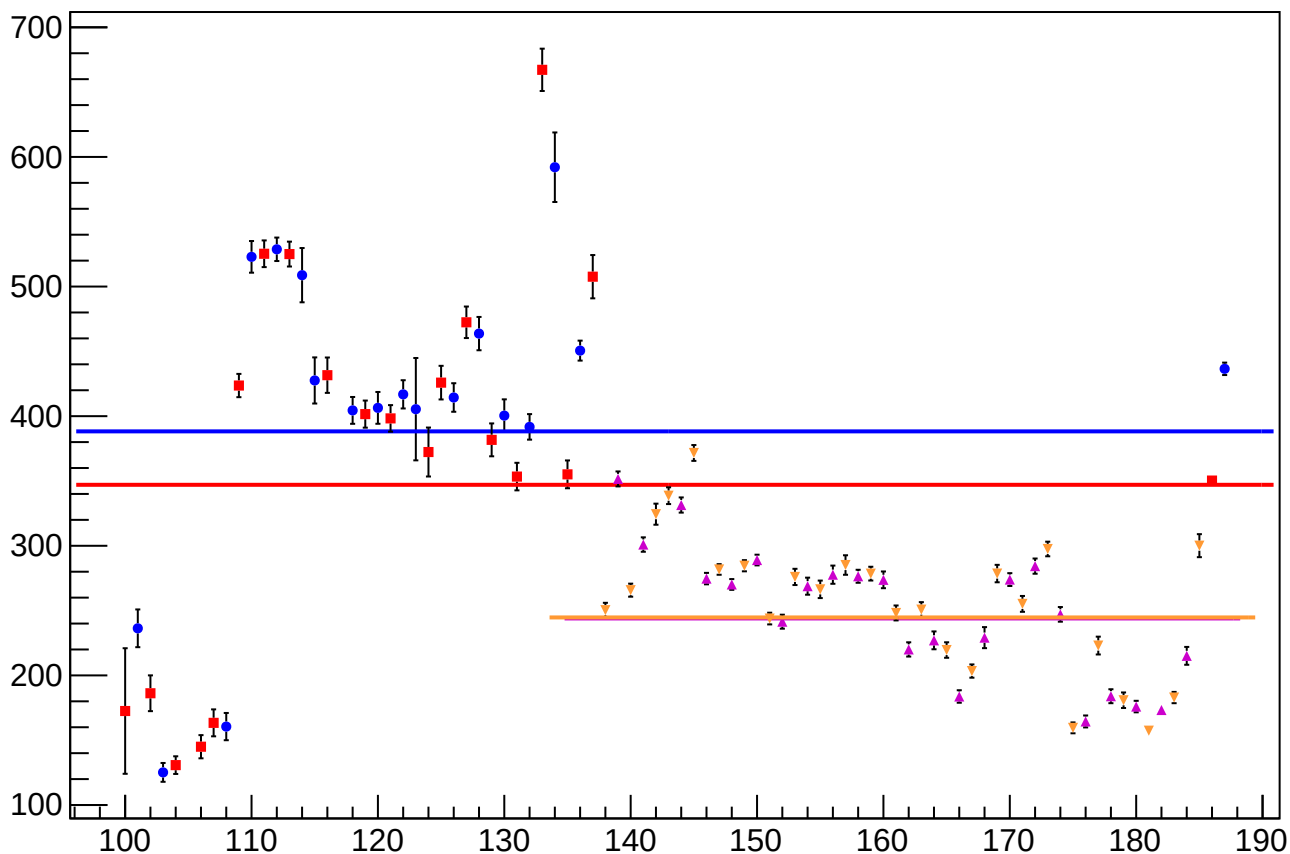
Right: 2.424 $\pm$ 1.003 χ^2 /NDF: 541.9/37

In: 1.579 $\pm$ 0.728 χ^2 /NDF:861.9/40

Out: 3.210 $\pm$ 0.695 χ^2 /NDF:956.0/44

All: 2.433 $\pm$ 0.502 χ^2 /NDF: 1820.5/85

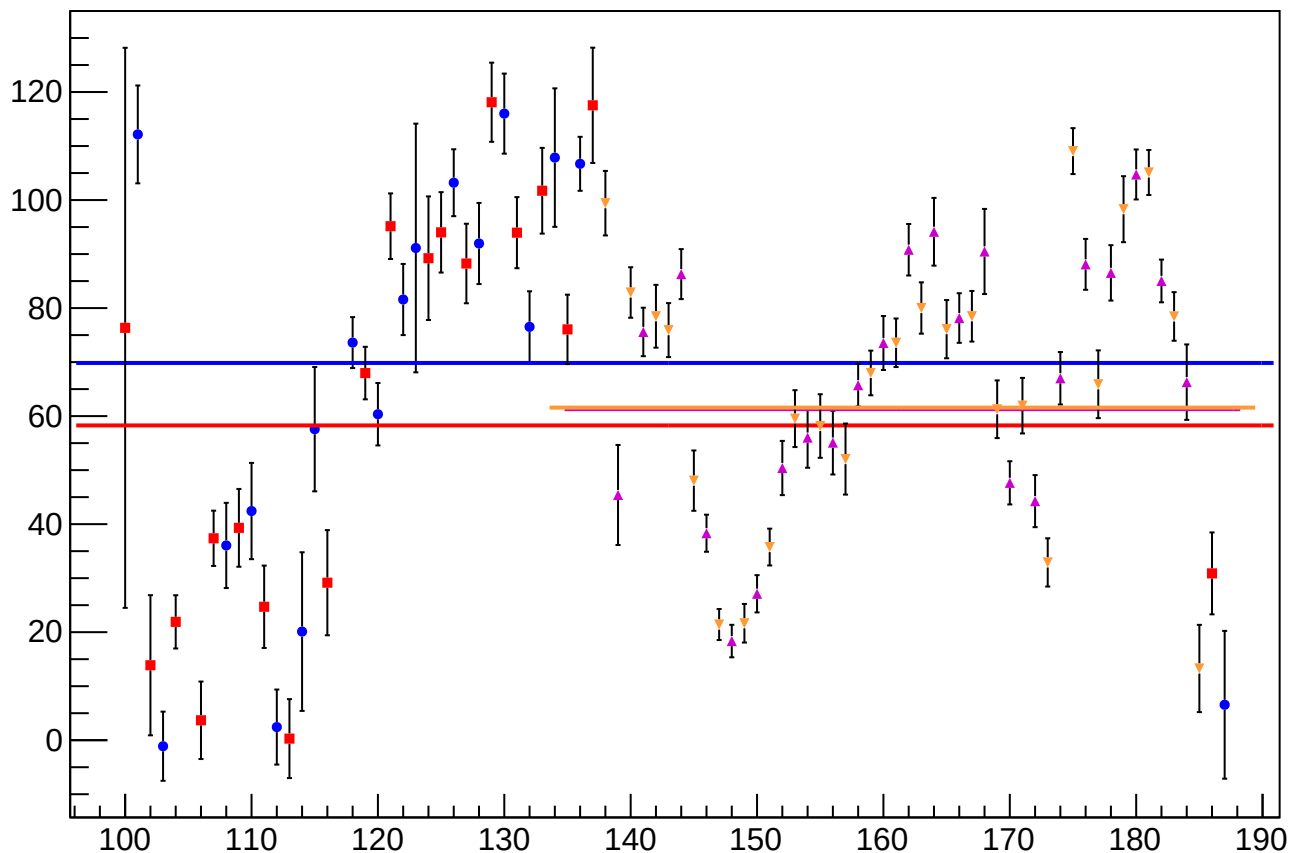
reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 388.273 $\pm$ 2.391 χ^2 /NDF: 2568.2/17
 Left Out: 244.716 $\pm$ 1.085 χ^2 /NDF:2565.7/24
 Right Out: 347.046 $\pm$ 2.036 χ^2 /NDF: 3418.0/19
 Left In: 243.933 $\pm$ 1.090 χ^2 /NDF:2294.8/22

Left: 244.327 $\pm$ 0.769 χ^2 /NDF: 4860.7/47
 Right: 364.372 $\pm$ 1.550 χ^2 /NDF: 6158.6/37
 In: 268.769 $\pm$ 0.992 χ^2 /NDF:7879.9/40
 Out: 267.336 $\pm$ 0.957 χ^2 /NDF:7951.7/44
 All: 268.027 $\pm$ 0.689 χ^2 /NDF: 15832.7/85

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 69.840 $\pm$ 1.729 χ^2 /NDF: 448.7/17

Left Out: 61.575 $\pm$ 0.939 χ^2 /NDF: 870.3/24

Right Out: 58.276 $\pm$ 1.596 χ^2 /NDF: 504.5/19

Left In: 61.286 $\pm$ 0.959 χ^2 /NDF: 702.8/22

Left: 61.434 $\pm$ 0.671 χ^2 /NDF: 1573.1/47

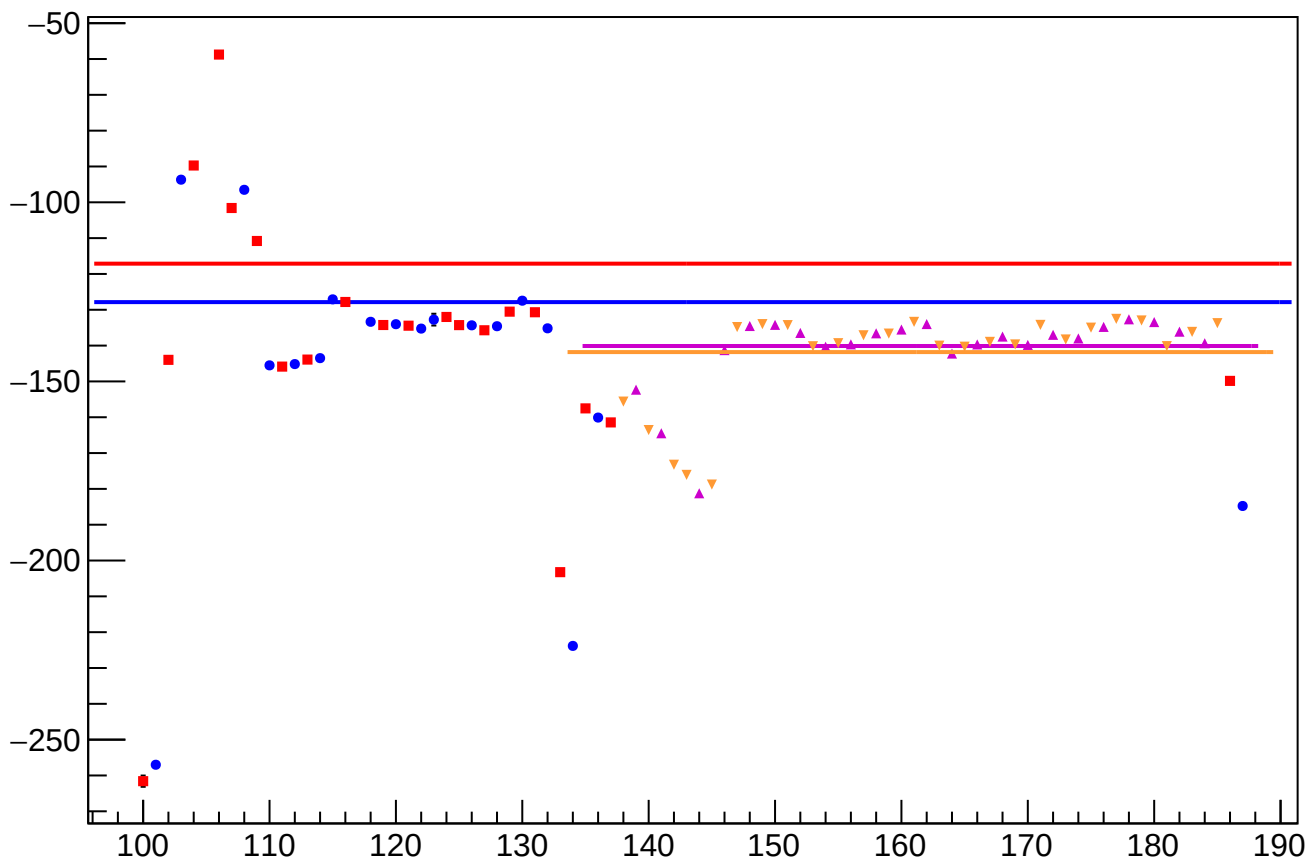
Right: 63.598 $\pm$ 1.173 χ^2 /NDF: 977.4/37

In: 63.298 $\pm$ 0.838 χ^2 /NDF: 1170.2/40

Out: 60.727 $\pm$ 0.809 χ^2 /NDF: 1378.0/44

All: 61.967 $\pm$ 0.582 χ^2 /NDF: 2553.1/85

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.863+/-0.089 χ^2/NDF : 172531.2/17

Left Out: -141.811+/-0.045 χ^2/NDF : 77727.6/24

Right Out: -117.127+/-0.082 χ^2/NDF : 171286.3/19

Left In: -140.112+/-0.045 χ^2/NDF : 48400.6/22

Left: -140.962+/-0.032 χ^2/NDF : 126846.5/47

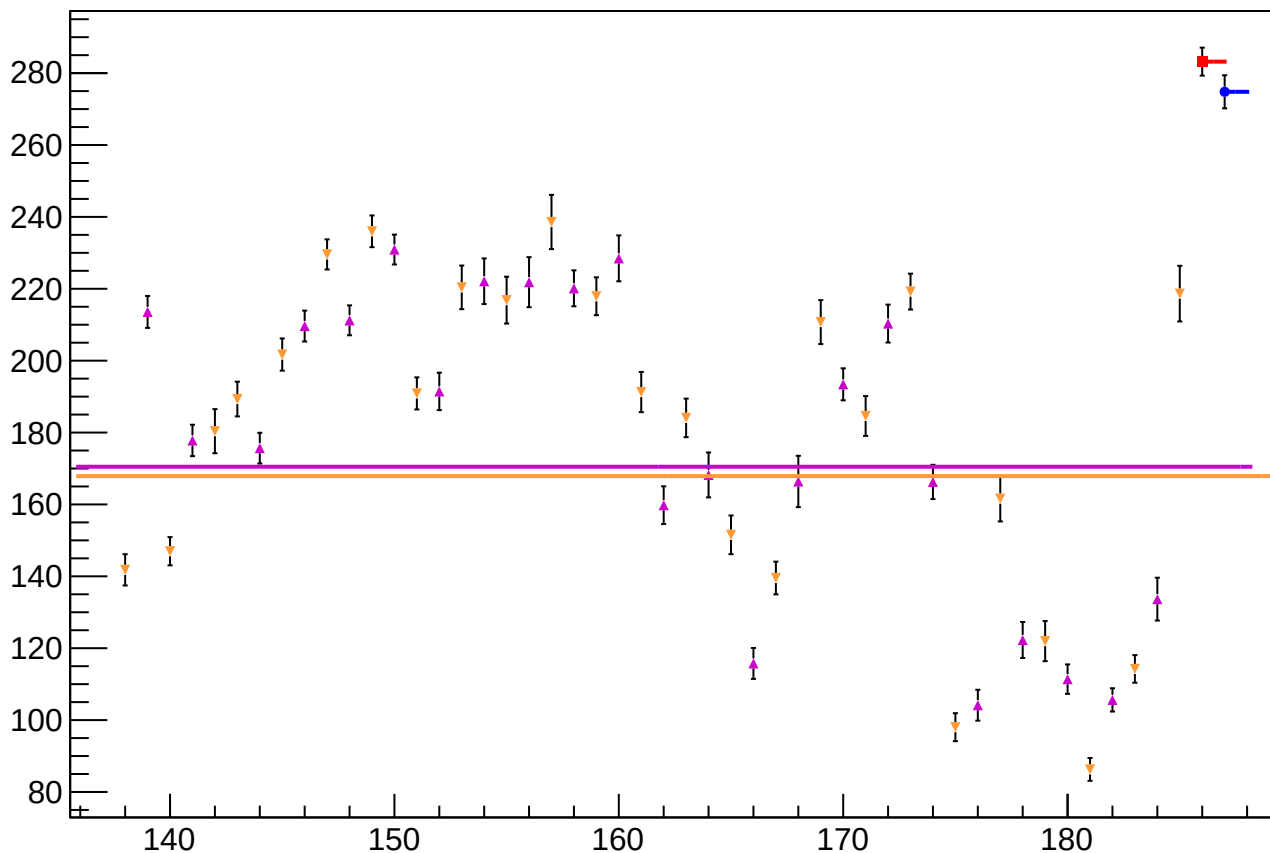
Right: -122.064+/-0.060 χ^2/NDF : 351704.2/37

In: -137.626+/-0.040 χ^2/NDF : 236083.1/40

Out: -136.133+/-0.039 χ^2/NDF : 318820.4/44

All: -136.866+/-0.028 χ^2/NDF : 555611.7/85

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 274.804 $\pm$ 4.602 χ^2 /NDF: 0.0/0

Left Out: 167.868 $\pm$ 0.973 χ^2 /NDF:2465.4/24

Right Out: 283.198 $\pm$ 3.886 χ^2 /NDF: 0.0/0

Left In: 170.487 $\pm$ 0.991 χ^2 /NDF:2036.5/22

Left: 169.154 $\pm$ 0.695 χ^2 /NDF: 4505.5/47

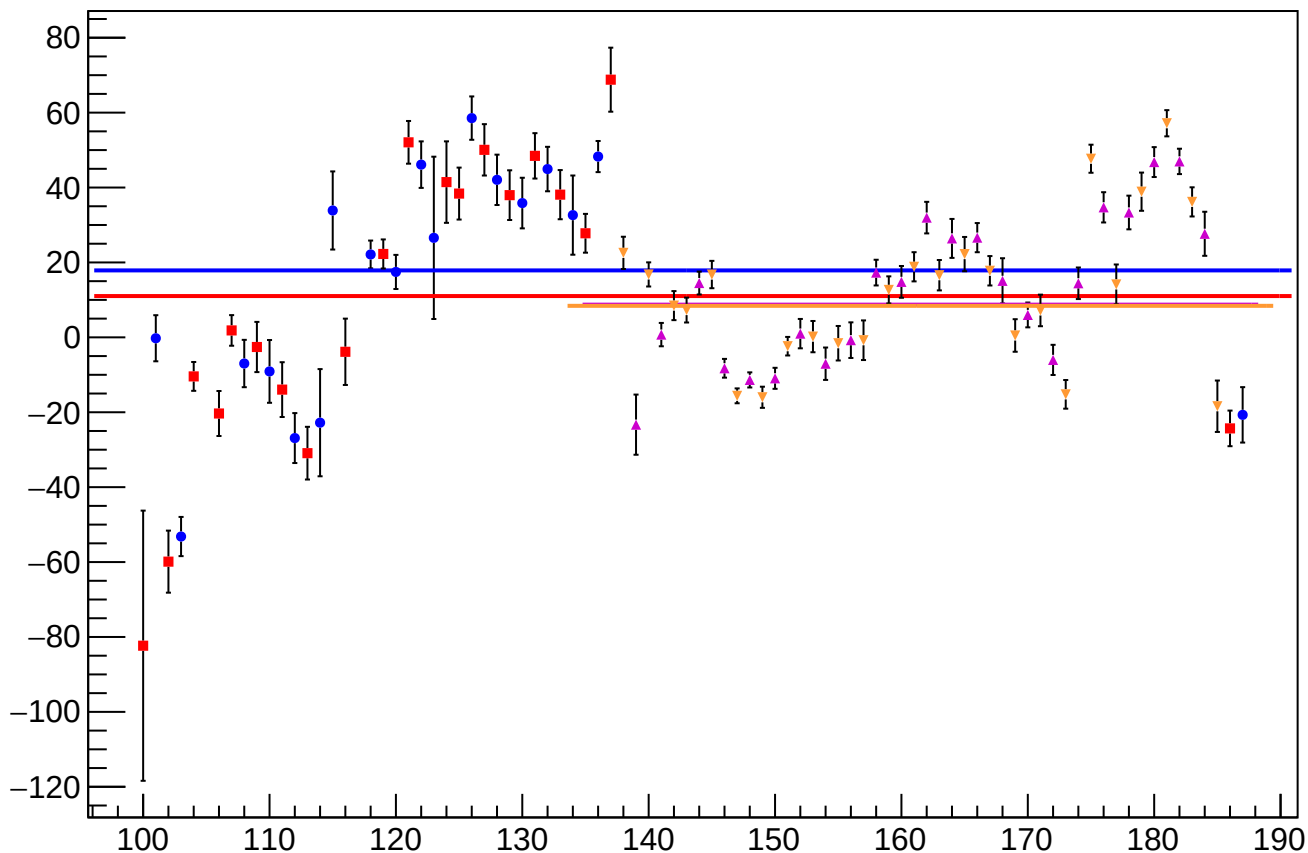
Right: 279.704 $\pm$ 2.969 χ^2 /NDF: 1.9/1

In: 175.112 $\pm$ 0.969 χ^2 /NDF:2527.6/23

Out: 174.678 $\pm$ 0.944 χ^2 /NDF:3294.2/25

All: 174.889 $\pm$ 0.676 χ^2 /NDF: 5821.9/49

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.874 ± 1.451 $\chi^2/\text{NDF}: 469.3/17$

Left Out: 8.415 ± 0.731 $\chi^2/\text{NDF}: 750.6/24$

Right Out: 11.025 ± 1.336 $\chi^2/\text{NDF}: 496.5/19$

Left In: 8.730 ± 0.757 $\chi^2/\text{NDF}: 630.1/22$

Left: 8.567 ± 0.526 $\chi^2/\text{NDF}: 1380.7/47$

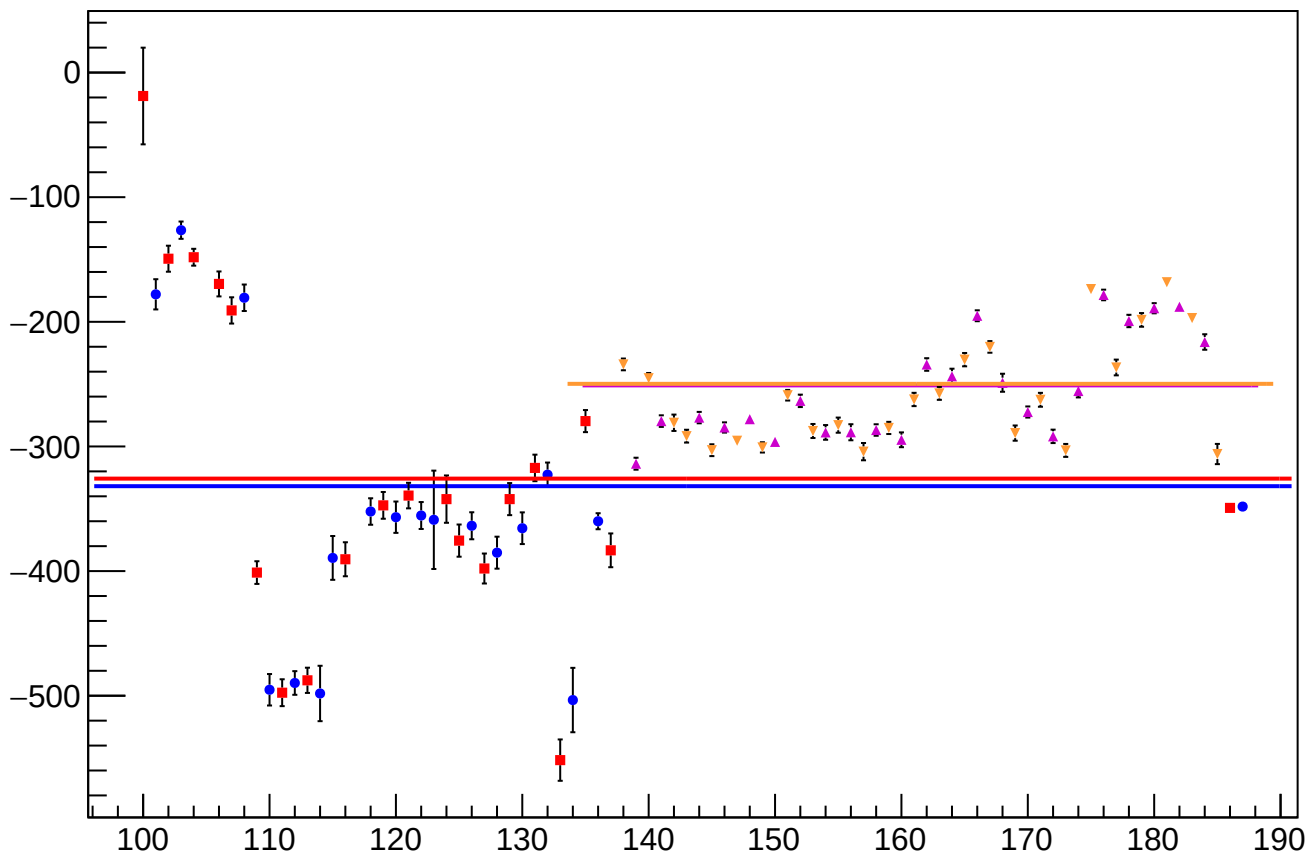
Right: 14.167 ± 0.983 $\chi^2/\text{NDF}: 977.9/37$

In: 10.685 ± 0.671 $\chi^2/\text{NDF}: 1130.7/40$

Out: 9.016 ± 0.641 $\chi^2/\text{NDF}: 1250.0/44$

All: 9.813 ± 0.464 $\chi^2/\text{NDF}: 2383.9/85$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.876 ± 2.180 $\chi^2/\text{NDF}: 1878.8/17$

Left Out: -249.759 ± 0.975 $\chi^2/\text{NDF}: 2232.5/24$

Right Out: -325.803 ± 1.956 $\chi^2/\text{NDF}: 2395.6/19$

Left In: -251.002 ± 0.987 $\chi^2/\text{NDF}: 1958.3/22$

Left: -250.374 ± 0.694 $\chi^2/\text{NDF}: 4191.7/47$

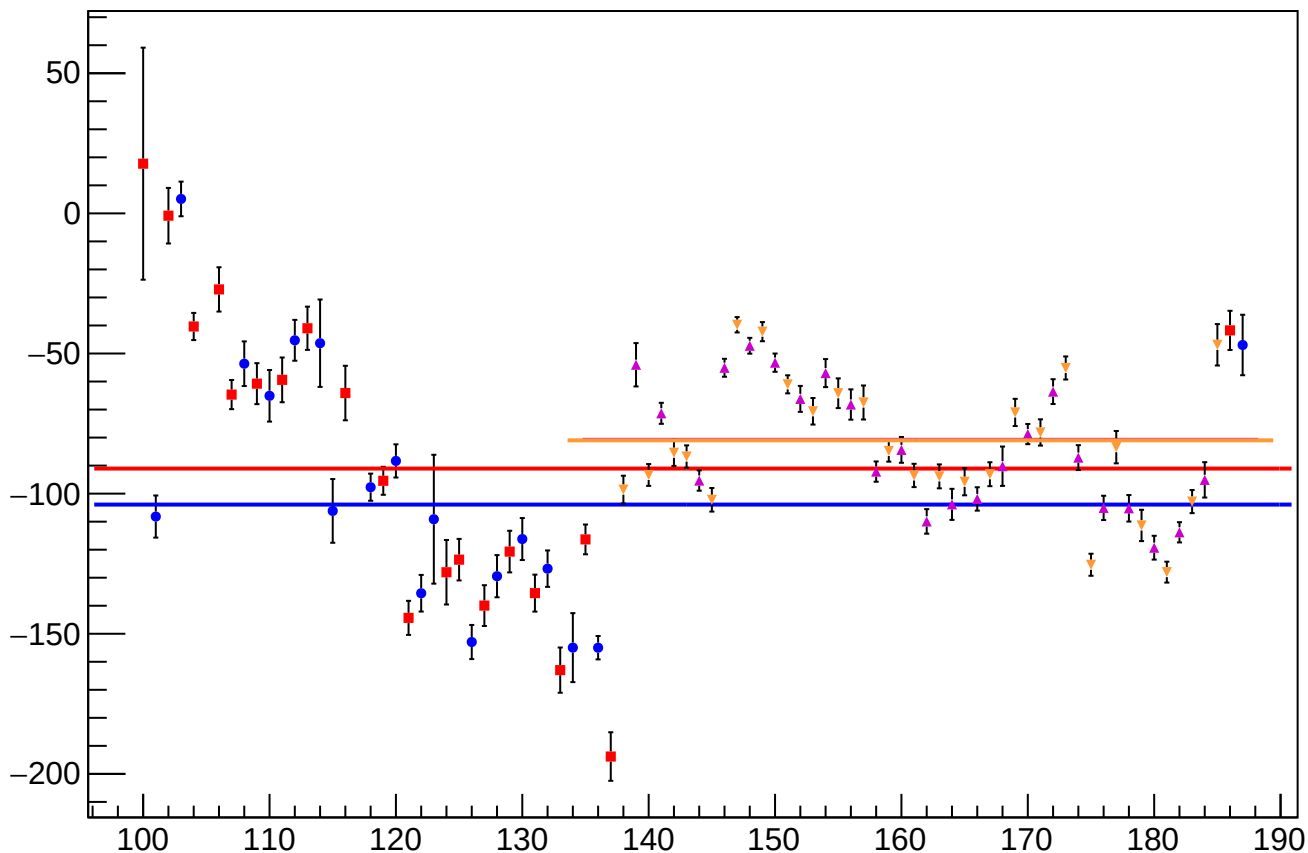
Right: -328.513 ± 1.456 $\chi^2/\text{NDF}: 4278.8/37$

In: -264.758 ± 0.899 $\chi^2/\text{NDF}: 4979.7/40$

Out: -264.894 ± 0.873 $\chi^2/\text{NDF}: 5838.4/44$

All: -264.828 ± 0.626 $\chi^2/\text{NDF}: 10818.2/85$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -103.906 ± 1.673 χ^2/NDF : 766.0/17

Left Out: -80.981 ± 0.846 χ^2/NDF : 911.2/24

Right Out: -91.056 ± 1.570 χ^2/NDF : 879.0/19

Left In: -80.803 ± 0.870 χ^2/NDF : 695.4/22

Left: -80.895 ± 0.606 χ^2/NDF : 1606.6/47

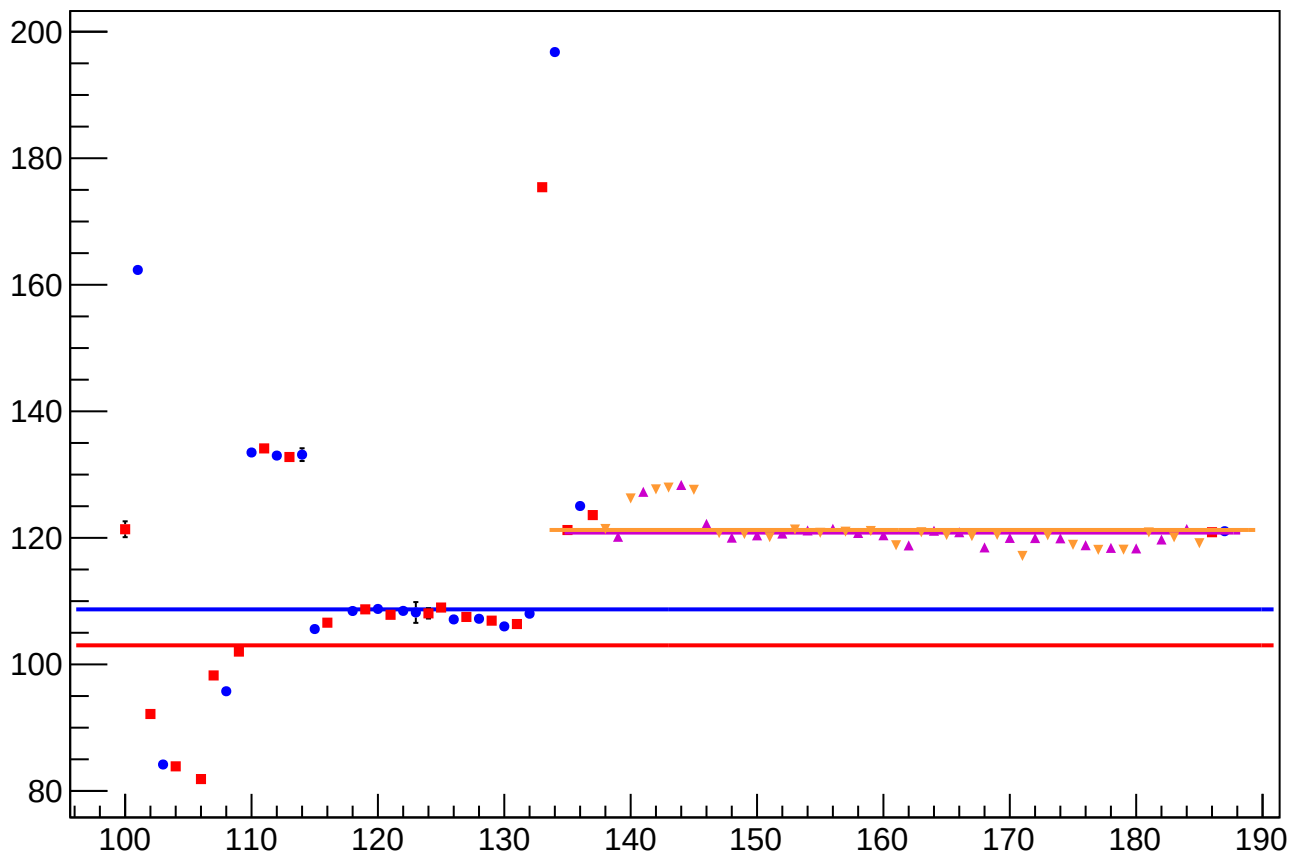
Right: -97.075 ± 1.145 χ^2/NDF : 1676.4/37

In: -85.719 ± 0.772 χ^2/NDF : 1611.6/40

Out: -83.248 ± 0.745 χ^2/NDF : 1822.1/44

All: -84.440 ± 0.536 χ^2/NDF : 3439.0/85

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.697 $\pm$ 0.084 χ^2/NDF : 73717.0/17

Left Out: 121.248 $\pm$ 0.040 χ^2/NDF : 4820.1/24

Right Out: 103.013 $\pm$ 0.078 χ^2/NDF : 54429.1/19

Left In: 120.834 $\pm$ 0.041 χ^2/NDF : 3372.4/22

Left: 121.043 $\pm$ 0.029 χ^2/NDF : 8245.1/47

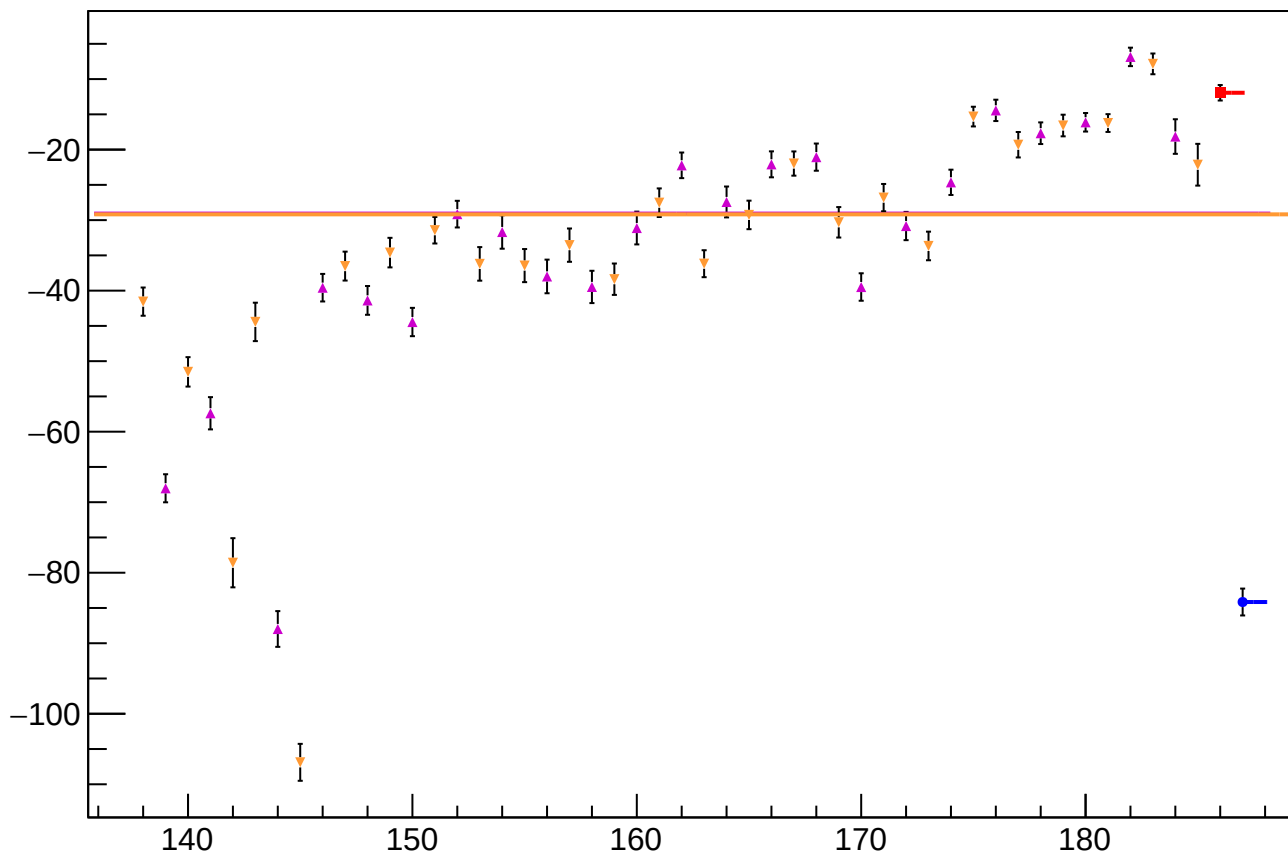
Right: 105.665 $\pm$ 0.057 χ^2/NDF : 130593.3/37

In: 118.540 $\pm$ 0.036 χ^2/NDF : 94052.9/40

Out: 117.456 $\pm$ 0.036 χ^2/NDF : 101996.8/44

All: 117.988 $\pm$ 0.026 χ^2/NDF : 196499.5/85

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



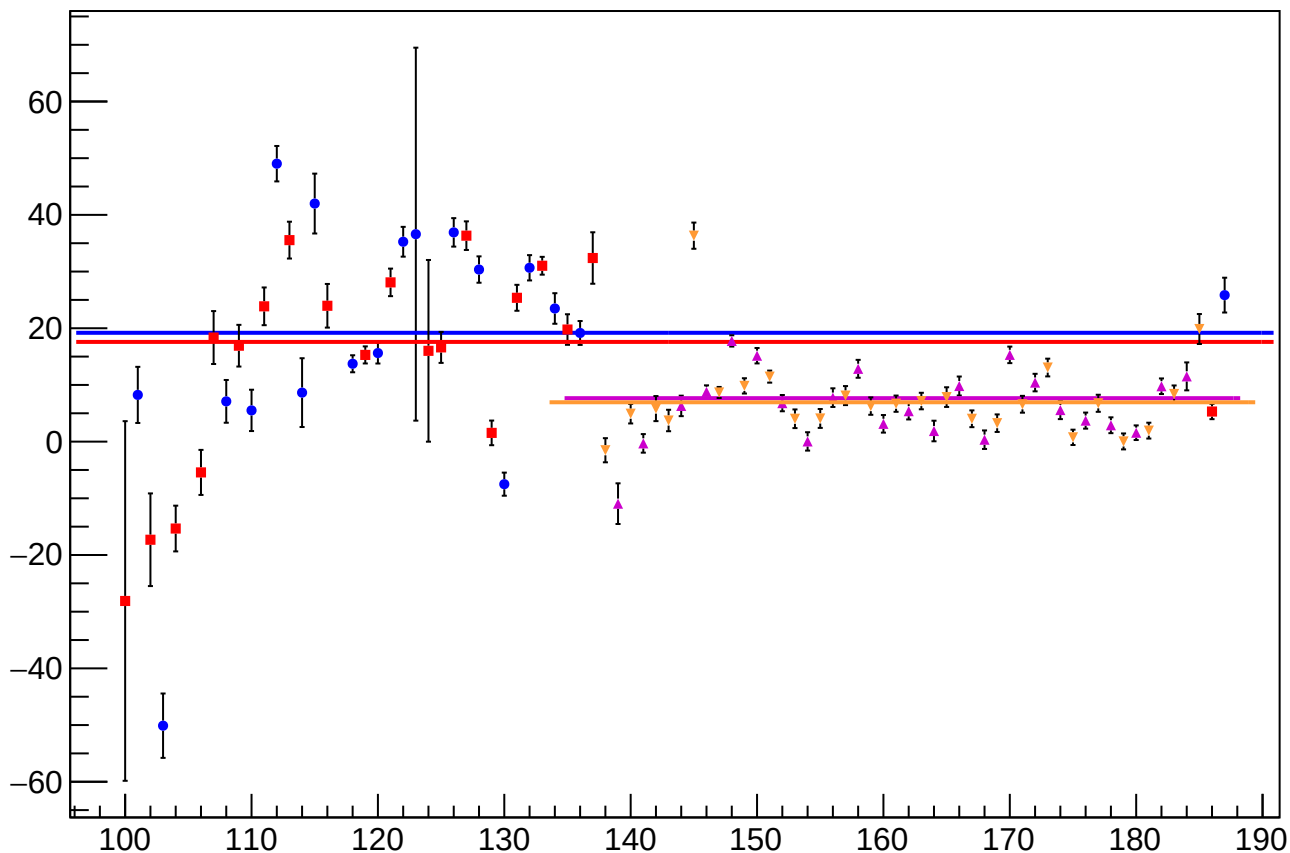
Right In: -84.155 ± 1.906 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -29.182 ± 0.389 $\chi^2/\text{NDF}: 1880.4/24$
 Right Out: -11.940 ± 1.098 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -29.073 ± 0.394 $\chi^2/\text{NDF}: 1872.4/22$

Left: -29.128 ± 0.277 $\chi^2/\text{NDF}: 3752.8/47$
 Right: -29.936 ± 0.951 $\chi^2/\text{NDF}: 1078.0/1$

In: -31.329 ± 0.386 $\chi^2/\text{NDF}: 2673.5/23$
 Out: -27.257 ± 0.367 $\chi^2/\text{NDF}: 2099.4/25$

All: -29.191 ± 0.266 $\chi^2/\text{NDF}: 4831.5/49$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.198 $\pm$ 0.630 χ^2 /NDF: 623.8/17

Left Out: 6.943 $\pm$ 0.304 χ^2 /NDF:322.6/24

Right Out: 17.590 $\pm$ 0.581 χ^2 /NDF: 467.1/19

Left In: 7.666 $\pm$ 0.313 χ^2 /NDF:341.1/22

Left: 7.294 $\pm$ 0.218 χ^2 /NDF: 666.5/47

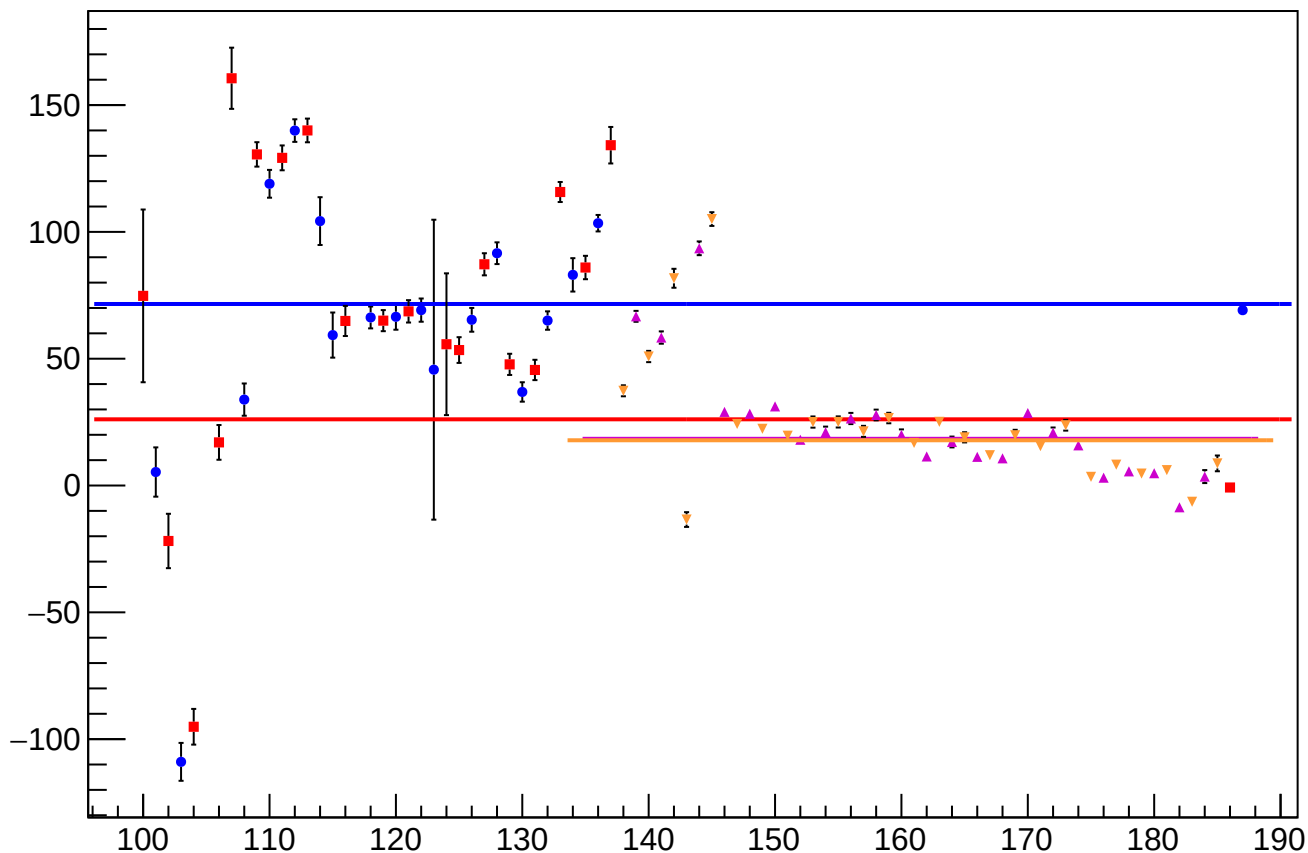
Right: 18.329 $\pm$ 0.427 χ^2 /NDF: 1094.5/37

In: 9.947 $\pm$ 0.280 χ^2 /NDF:1233.9/40

Out: 9.228 $\pm$ 0.269 χ^2 /NDF:1053.6/44

All: 9.573 $\pm$ 0.194 χ^2 /NDF: 2290.9/85

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 71.571 ± 0.966 χ^2/NDF : 1203.9/17

Left Out: 17.841 ± 0.388 χ^2/NDF : 2399.7/24

Right Out: 26.102 ± 0.713 χ^2/NDF : 4299.2/19

Left In: 18.416 ± 0.391 χ^2/NDF : 2468.4/22

Left: 18.126 ± 0.275 χ^2/NDF : 4869.1/47

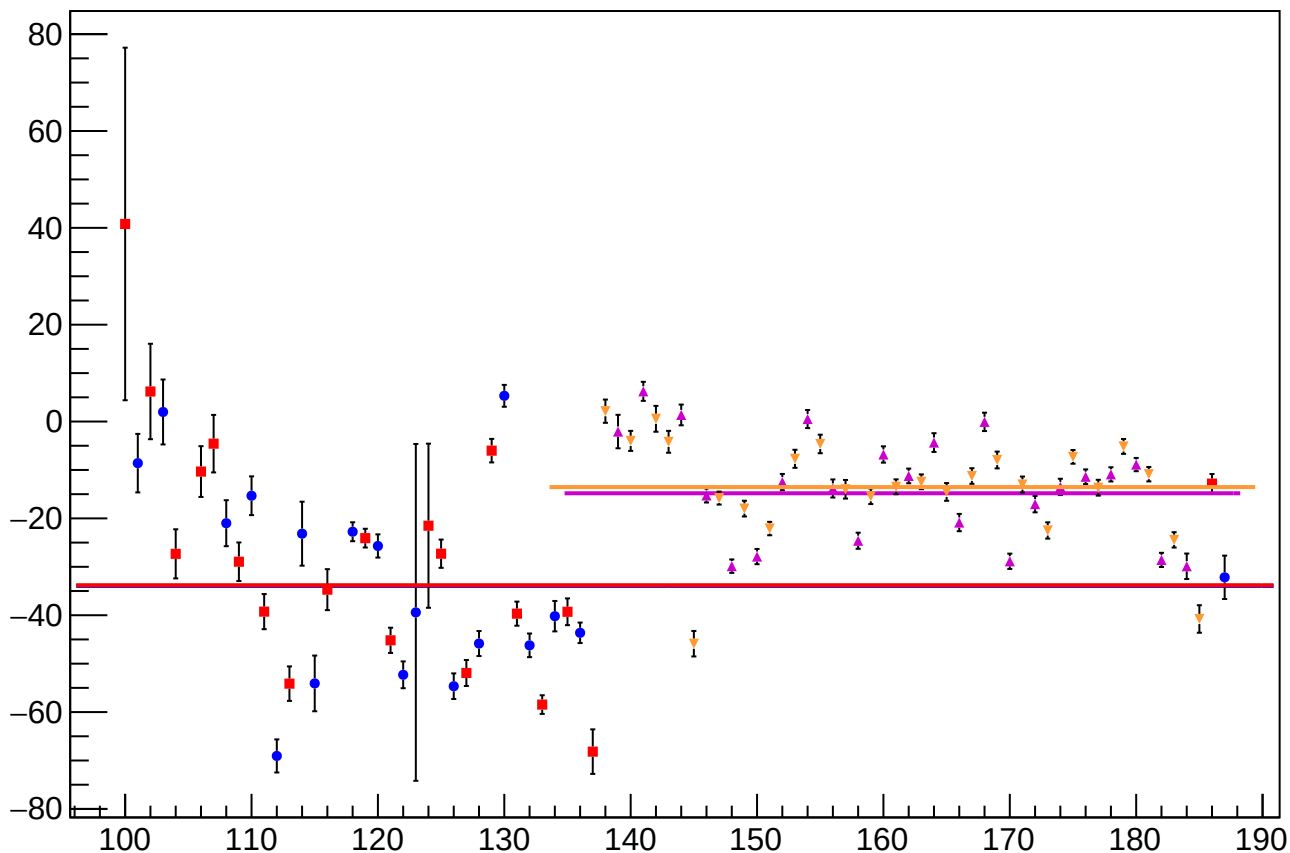
Right: 42.136 ± 0.574 χ^2/NDF : 6936.8/37

In: 25.904 ± 0.363 χ^2/NDF : 6272.7/40

Out: 19.727 ± 0.341 χ^2/NDF : 6802.4/44

All: 22.623 ± 0.248 χ^2/NDF : 13229.2/85

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.943 ± 0.727 $\chi^2/\text{NDF}: 720.0/17$

Left Out: -13.535 ± 0.345 $\chi^2/\text{NDF}: 574.6/24$

Right Out: -33.808 ± 0.690 $\chi^2/\text{NDF}: 671.1/19$

Left In: -14.815 ± 0.353 $\chi^2/\text{NDF}: 838.2/22$

Left: -14.159 ± 0.247 $\chi^2/\text{NDF}: 1419.5/47$

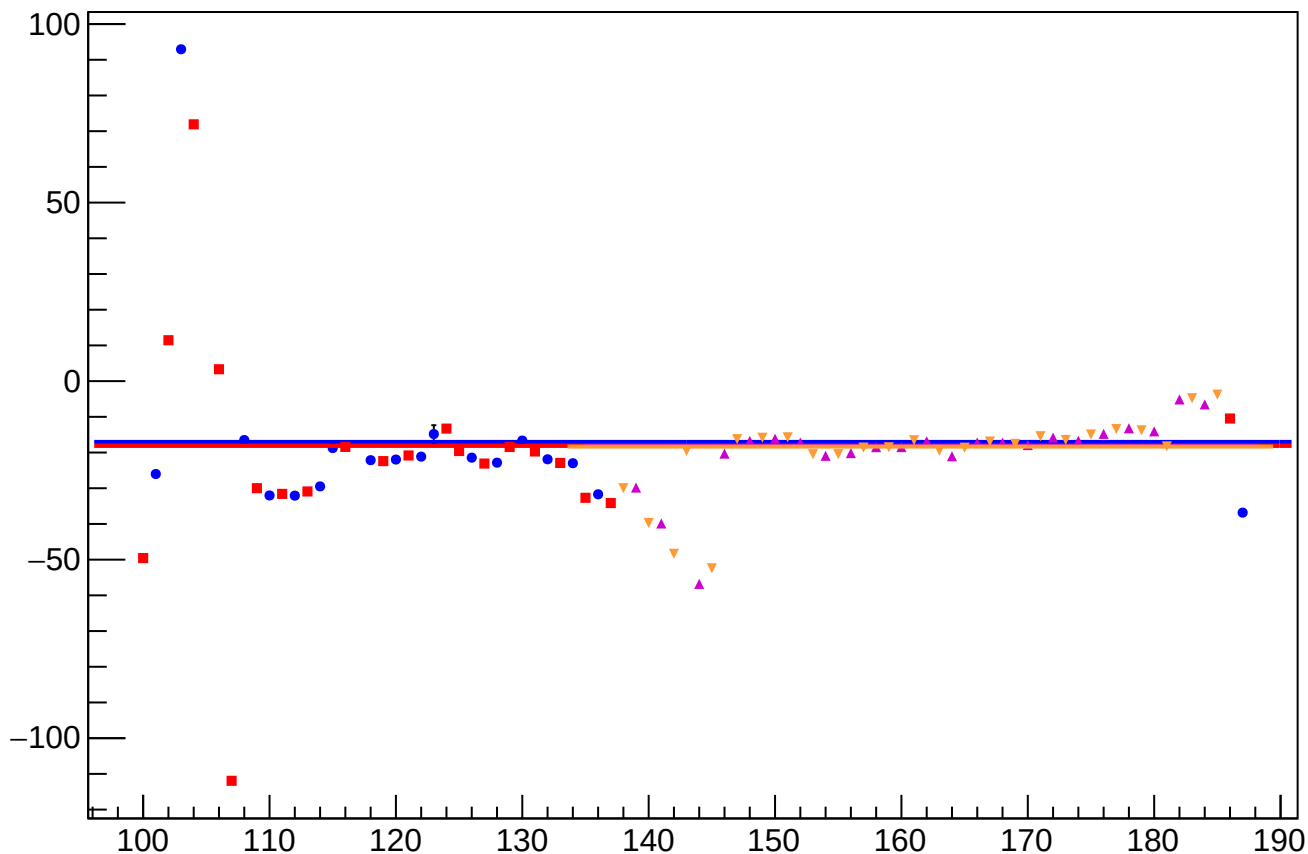
Right: -33.872 ± 0.500 $\chi^2/\text{NDF}: 1391.1/37$

In: -18.471 ± 0.318 $\chi^2/\text{NDF}: 2118.9/40$

Out: -17.579 ± 0.308 $\chi^2/\text{NDF}: 1935.8/44$

All: -18.012 ± 0.221 $\chi^2/\text{NDF}: 4058.8/85$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.021+/-0.044 χ^2/NDF : 480706.9/17

Left Out: -18.337+/-0.016 χ^2/NDF : 283793.3/24

Right Out: -18.152+/-0.043 χ^2/NDF : 437389.5/19

Left In: -18.135+/-0.016 χ^2/NDF : 245650.3/22

Left: -18.237+/-0.011 χ^2/NDF : 529524.6/47

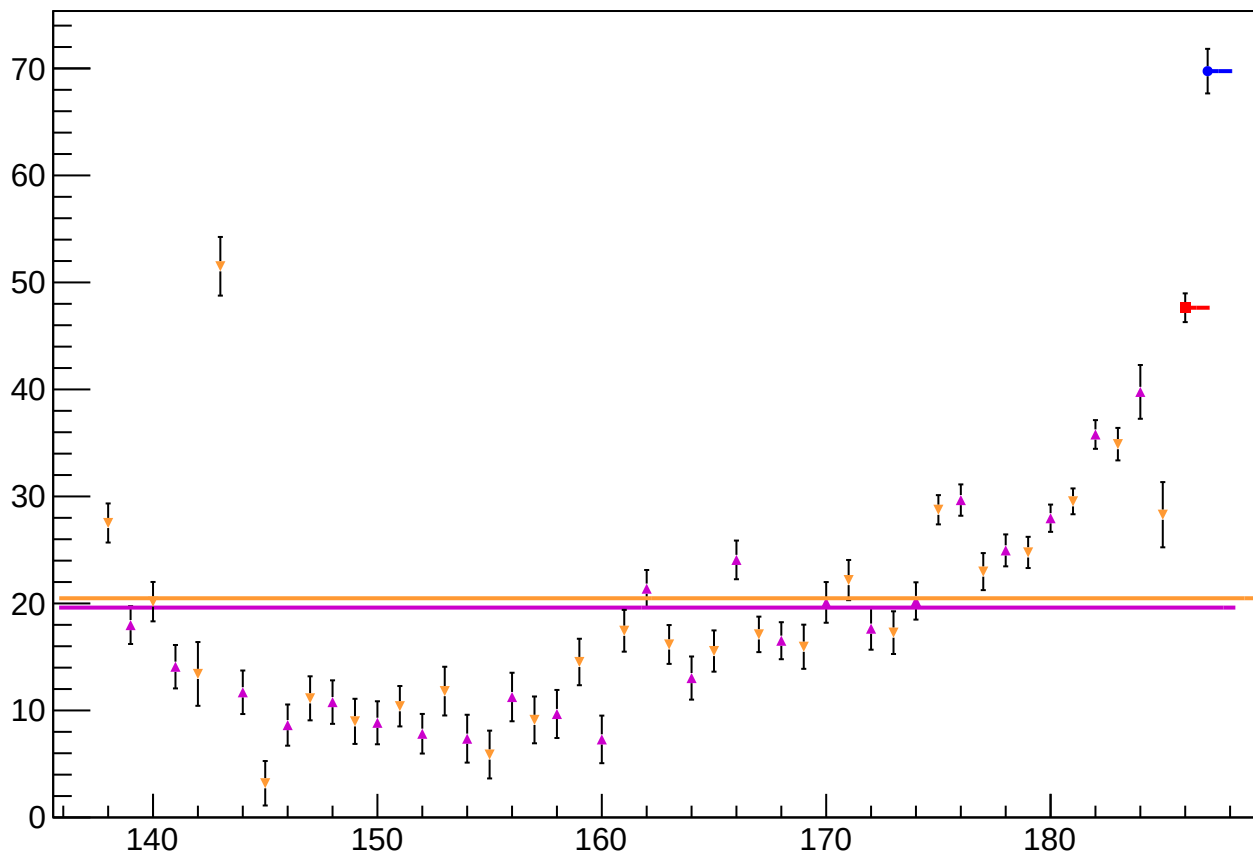
Right: -17.595+/-0.031 χ^2/NDF : 918435.4/37

In: -18.003+/-0.015 χ^2/NDF : 726928.7/40

Out: -18.315+/-0.015 χ^2/NDF : 721199.1/44

All: -18.161+/-0.011 χ^2/NDF : 1448345.8/85

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 69.747 $\pm$ 2.082 χ^2 /NDF: 0.0/0

Left Out: 20.485 $\pm$ 0.374 χ^2 /NDF:615.7/24

Right Out: 47.635 $\pm$ 1.343 χ^2 /NDF: 0.0/0

Left In: 19.612 $\pm$ 0.379 χ^2 /NDF:572.7/22

Left: 20.054 $\pm$ 0.266 χ^2 /NDF: 1191.1/47

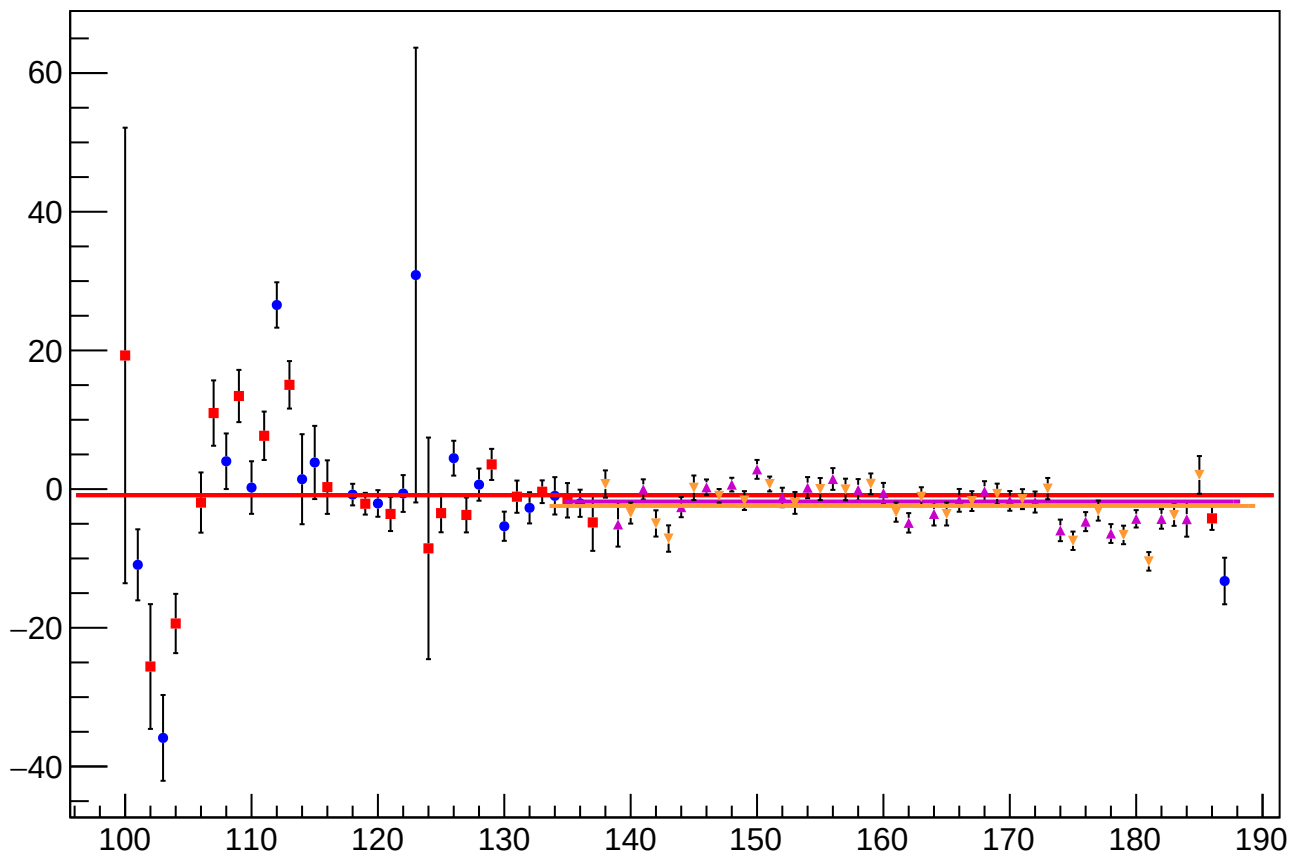
Right: 54.133 $\pm$ 1.129 χ^2 /NDF: 79.6/1

In: 21.216 $\pm$ 0.373 χ^2 /NDF:1133.7/23

Out: 22.435 $\pm$ 0.360 χ^2 /NDF:994.8/25

All: 21.846 $\pm$ 0.259 χ^2 /NDF: 2134.1/49

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.882 ± 0.641 χ^2/NDF : 134.0/17

Left Out: -2.429 ± 0.293 χ^2/NDF : 103.7/24

Right Out: -0.867 ± 0.611 χ^2/NDF : 88.4/19

Left In: -1.791 ± 0.301 χ^2/NDF : 70.1/22

Left: -2.119 ± 0.210 χ^2/NDF : 176.1/47

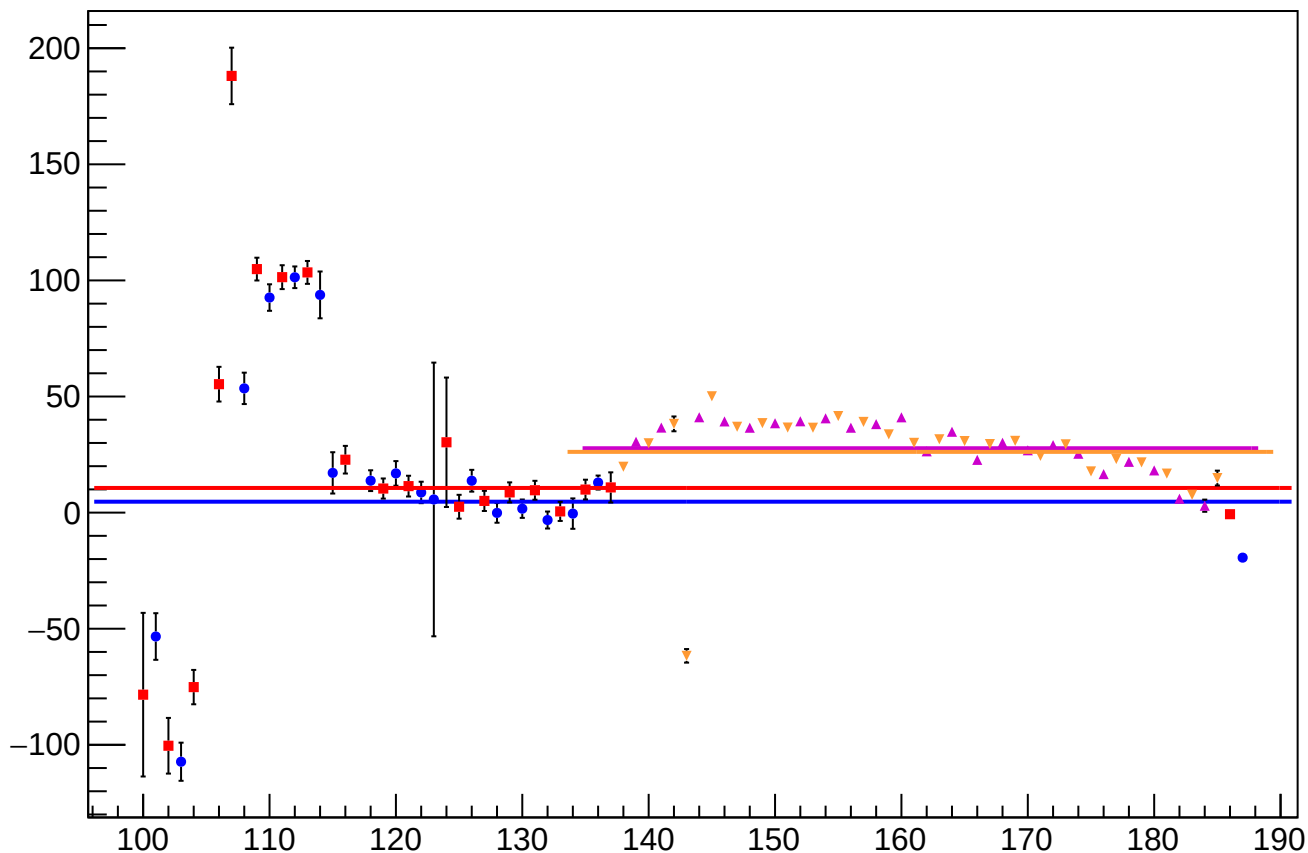
Right: -0.874 ± 0.442 χ^2/NDF : 222.4/37

In: -1.627 ± 0.273 χ^2/NDF : 205.7/40

Out: -2.138 ± 0.264 χ^2/NDF : 197.5/44

All: -1.890 ± 0.190 χ^2/NDF : 405.0/85

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.703 ± 1.003 χ^2/NDF : 1245.3/17

Left Out: 26.164 ± 0.373 χ^2/NDF : 1577.6/24

Right Out: 10.621 ± 0.813 χ^2/NDF : 1636.7/19

Left In: 27.725 ± 0.377 χ^2/NDF : 805.1/22

Left: 26.936 ± 0.265 χ^2/NDF : 2391.3/47

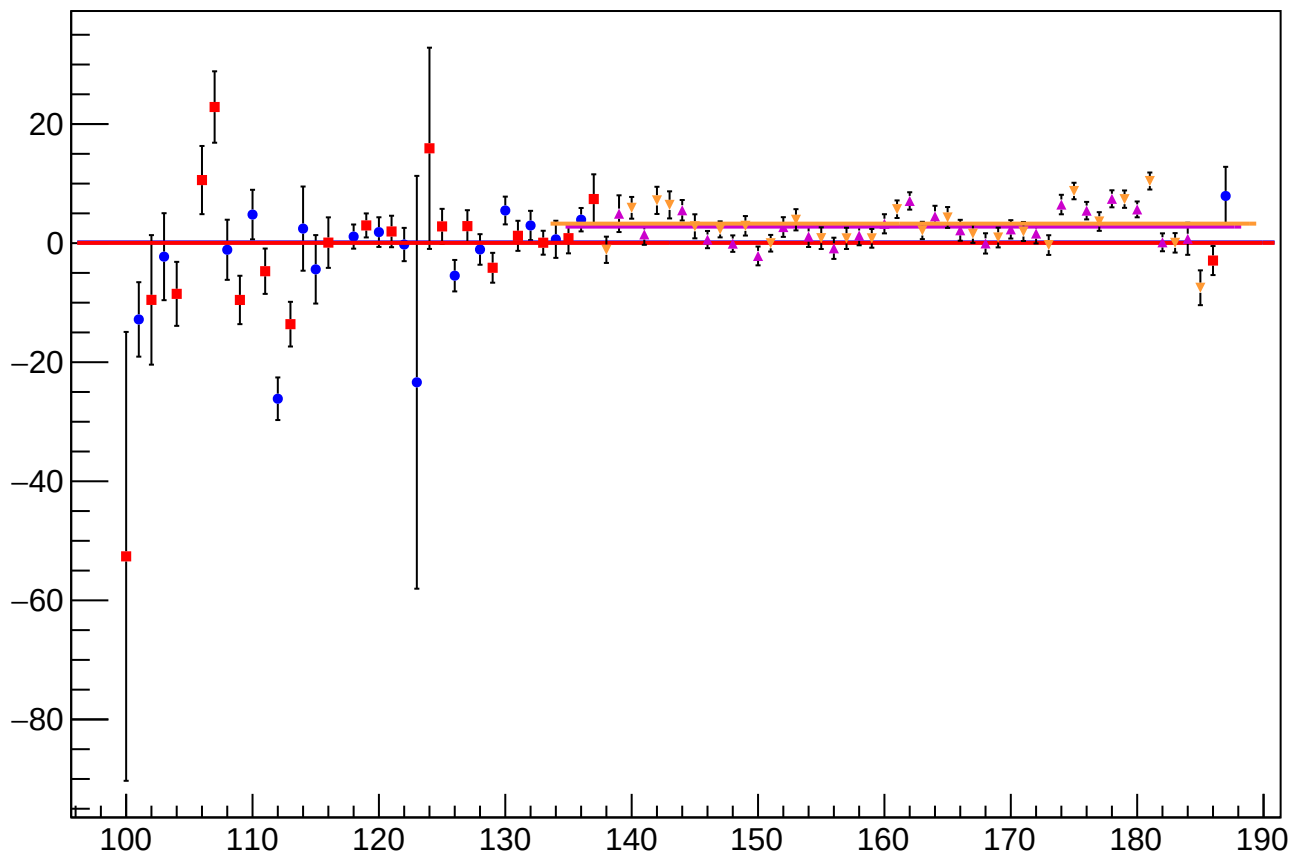
Right: 8.274 ± 0.632 χ^2/NDF : 2902.9/37

In: 24.881 ± 0.353 χ^2/NDF : 2511.7/40

Out: 23.466 ± 0.339 χ^2/NDF : 3516.0/44

All: 24.145 ± 0.244 χ^2/NDF : 6036.1/85

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.121 ± 0.735 χ^2/NDF : 79.1/17

Left Out: 3.275 ± 0.332 χ^2/NDF : 101.8/24

Right Out: 0.045 ± 0.716 χ^2/NDF : 56.7/19

Left In: 2.777 ± 0.340 χ^2/NDF : 66.5/22

Left: 3.032 ± 0.238 χ^2/NDF : 169.4/47

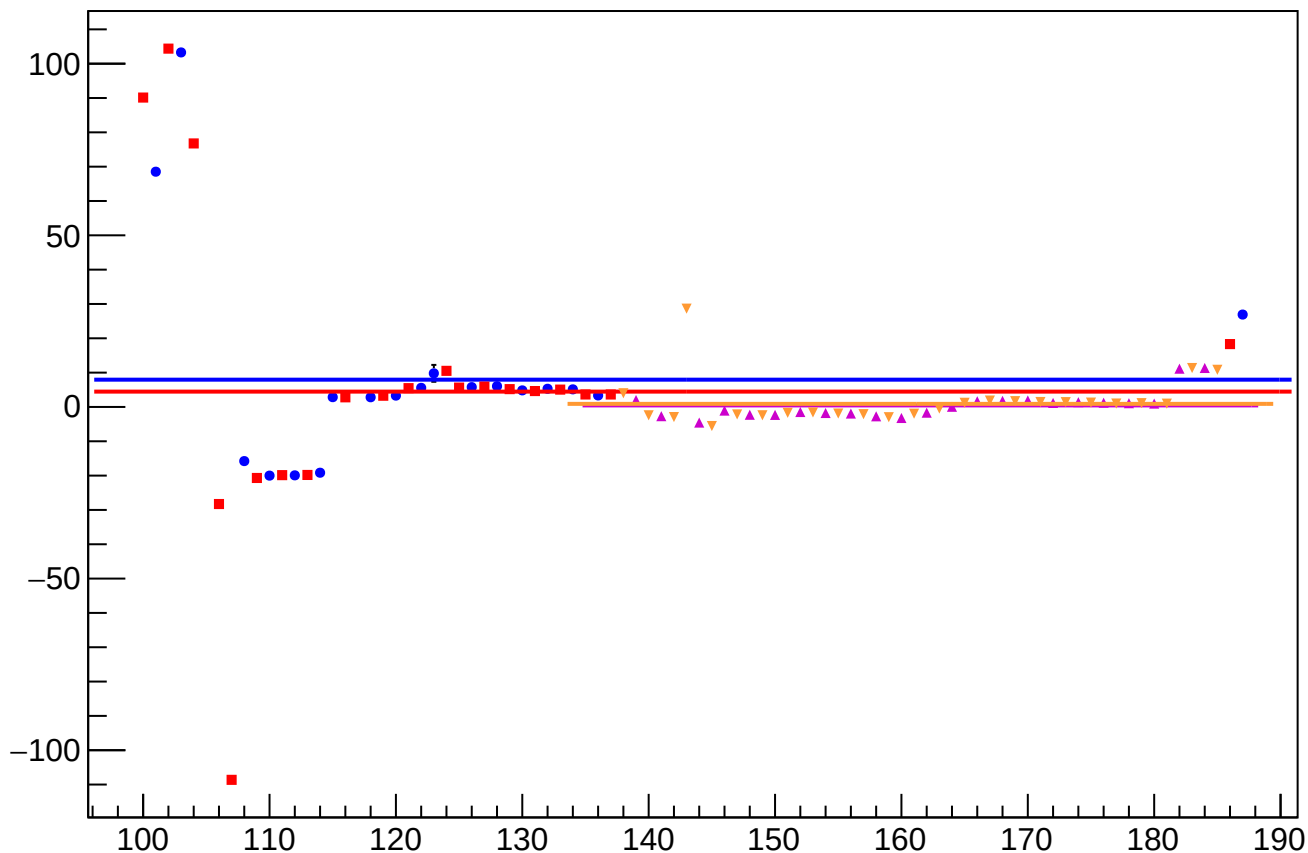
Right: 0.082 ± 0.513 χ^2/NDF : 135.9/37

In: 2.308 ± 0.309 χ^2/NDF : 156.4/40

Out: 2.704 ± 0.301 χ^2/NDF : 175.3/44

All: 2.511 ± 0.216 χ^2/NDF : 332.5/85

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.948 $\pm$ 0.044 χ^2 /NDF: 360917.9/17

Left Out: 0.898 $\pm$ 0.015 χ^2 /NDF:108195.0/24

Right Out: 4.469 $\pm$ 0.044 χ^2 /NDF: 517481.8/19

Left In: 0.448 $\pm$ 0.015 χ^2 /NDF:50533.6/22

Left: 0.675 $\pm$ 0.011 χ^2 /NDF: 159162.0/47

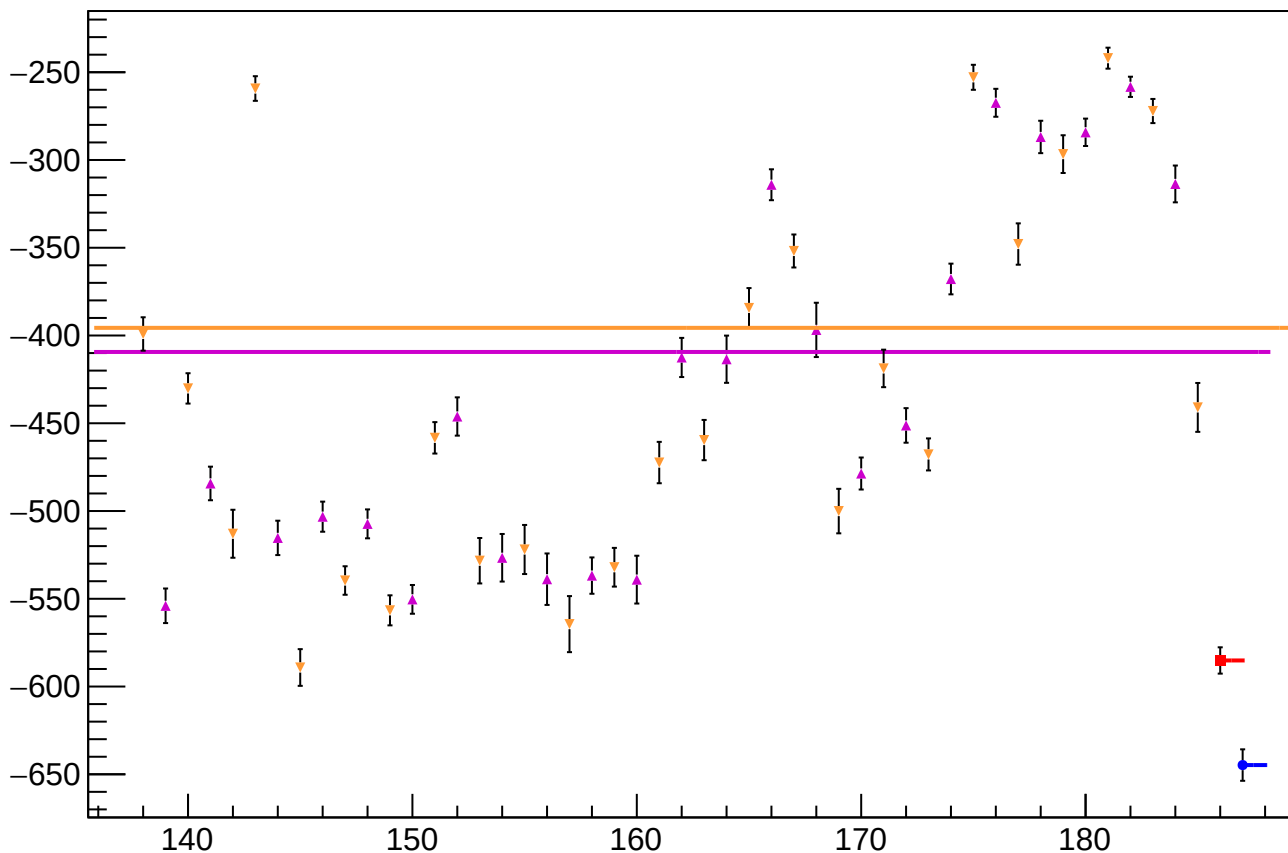
Right: 6.215 $\pm$ 0.031 χ^2 /NDF: 881533.5/37

In: 1.267 $\pm$ 0.014 χ^2 /NDF:437500.0/40

Out: 1.279 $\pm$ 0.014 χ^2 /NDF:631550.4/44

All: 1.273 $\pm$ 0.010 χ^2 /NDF: 1069050.7/85

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -644.742 $\pm$ 8.964 χ^2 /NDF: 0.0/0

Left Out: -395.638 $\pm$ 1.909 χ^2 /NDF:3704.0/24

Right Out: -585.144 $\pm$ 7.497 χ^2 /NDF: 0.0/0

Left In: -409.377 $\pm$ 1.971 χ^2 /NDF:3096.1/22

Left: -402.287 $\pm$ 1.371 χ^2 /NDF: 6825.2/47

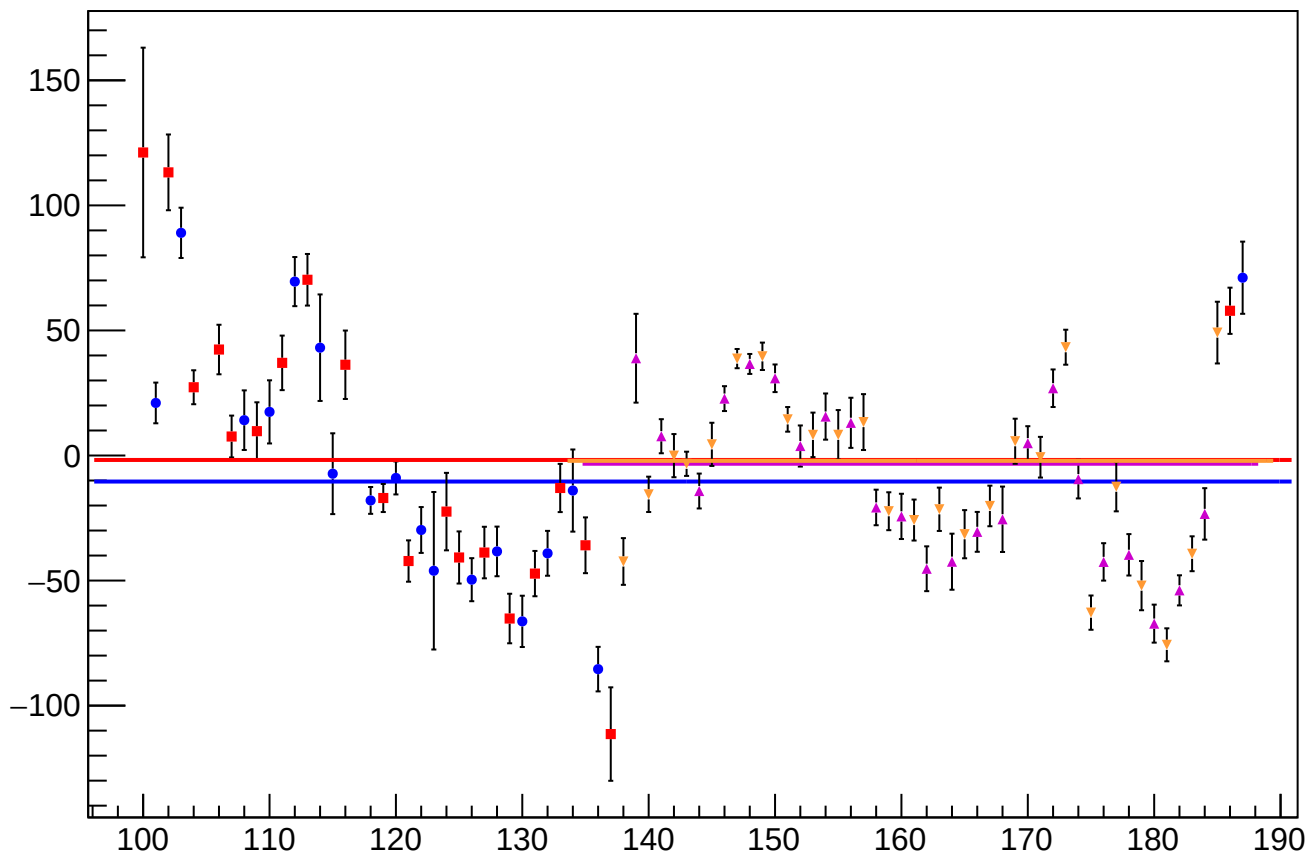
Right: -609.670 $\pm$ 5.751 χ^2 /NDF: 26.0/1

In: -420.234 $\pm$ 1.925 χ^2 /NDF:3753.6/23

Out: -407.179 $\pm$ 1.850 χ^2 /NDF:4304.1/25

All: -413.446 $\pm$ 1.334 χ^2 /NDF: 8081.7/49

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.410 ± 2.282 $\chi^2/\text{NDF}: 373.8/17$

Left Out: -2.133 ± 1.435 $\chi^2/\text{NDF}: 562.8/24$

Right Out: -1.779 ± 2.199 $\chi^2/\text{NDF}: 388.8/19$

Left In: -3.290 ± 1.517 $\chi^2/\text{NDF}: 454.5/22$

Left: -2.680 ± 1.042 $\chi^2/\text{NDF}: 1017.6/47$

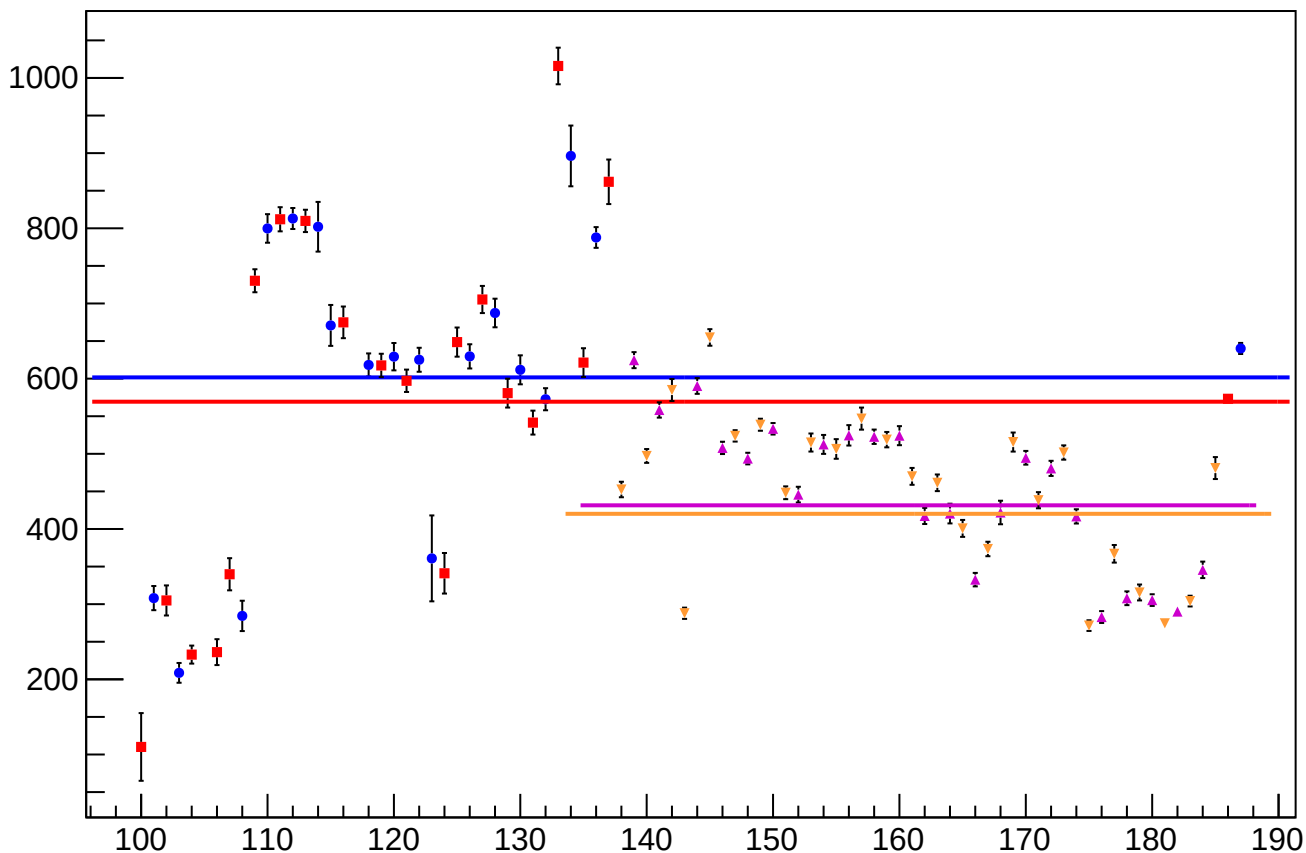
Right: -5.935 ± 1.583 $\chi^2/\text{NDF}: 770.0/37$

In: -5.471 ± 1.263 $\chi^2/\text{NDF}: 835.0/40$

Out: -2.028 ± 1.202 $\chi^2/\text{NDF}: 951.6/44$

All: -3.664 ± 0.871 $\chi^2/\text{NDF}: 1790.5/85$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 601.670 $\pm$ 3.726 χ^2 /NDF: 2166.9/17

Left Out: 420.181 $\pm$ 1.916 χ^2 /NDF:3241.0/24

Right Out: 569.326 $\pm$ 3.402 χ^2 /NDF: 2785.5/19

Left In: 431.487 $\pm$ 1.964 χ^2 /NDF:2897.1/22

Left: 425.693 $\pm$ 1.371 χ^2 /NDF: 6155.1/47

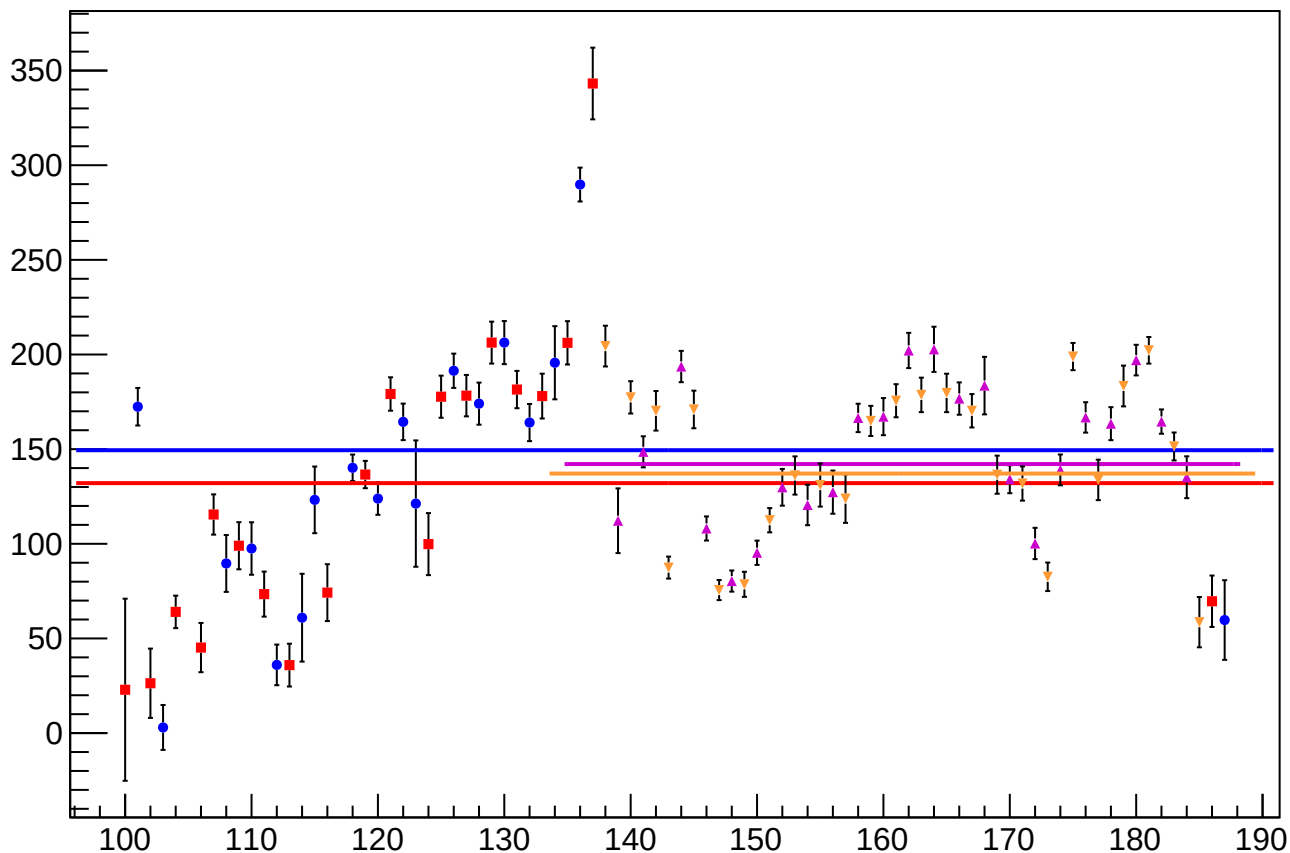
Right: 584.029 $\pm$ 2.513 χ^2 /NDF: 4993.4/37

In: 468.483 $\pm$ 1.737 χ^2 /NDF:6696.3/40

Out: 456.083 $\pm$ 1.669 χ^2 /NDF:7485.6/44

All: 462.035 $\pm$ 1.204 χ^2 /NDF: 14208.4/85

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 149.442 ± 2.653 $\chi^2/\text{NDF}: 653.3/17$

Left Out: 137.107 ± 1.663 $\chi^2/\text{NDF}: 738.9/24$

Right Out: 132.057 ± 2.572 $\chi^2/\text{NDF}: 606.8/19$

Left In: 142.123 ± 1.740 $\chi^2/\text{NDF}: 463.8/22$

Left: 139.501 ± 1.202 $\chi^2/\text{NDF}: 1207.0/47$

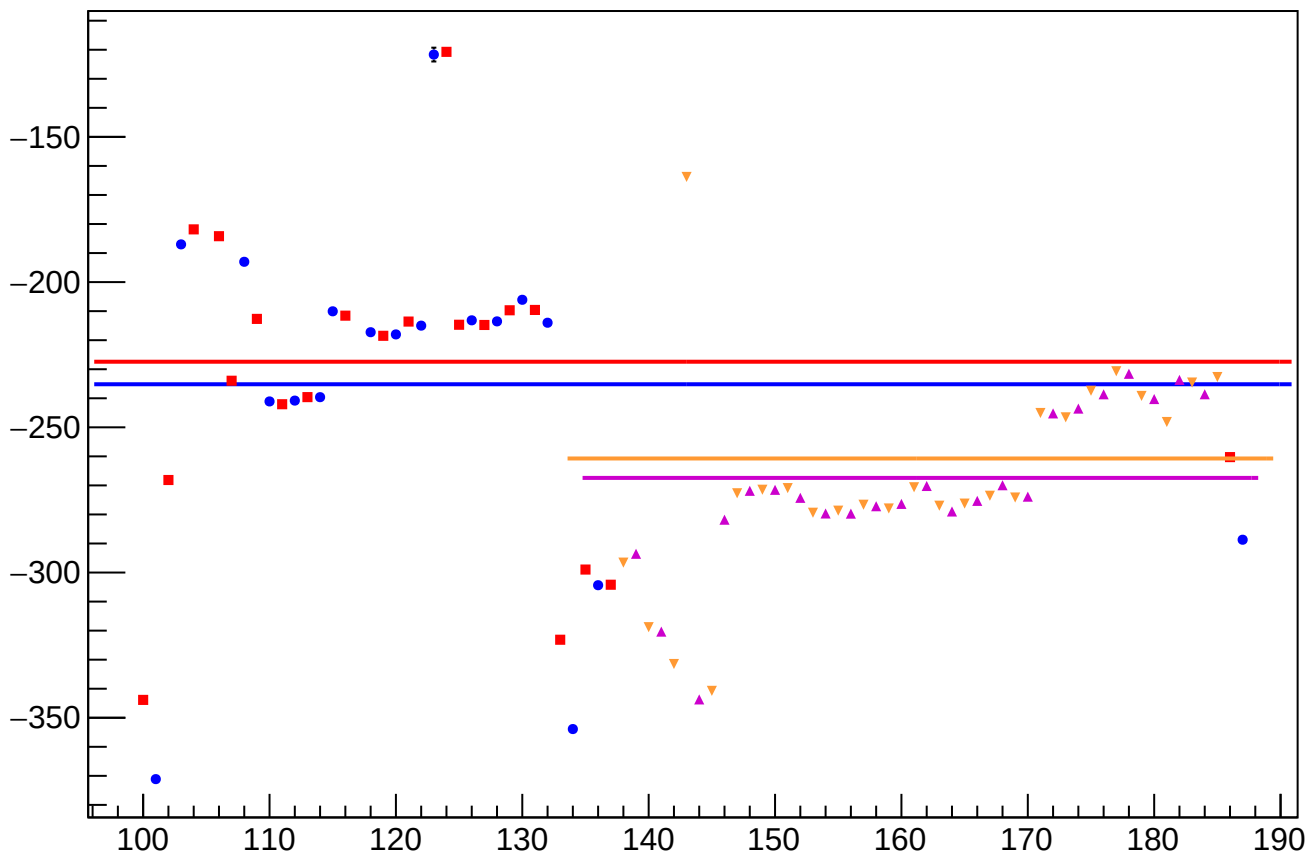
Right: 140.483 ± 1.847 $\chi^2/\text{NDF}: 1282.2/37$

In: 144.325 ± 1.455 $\chi^2/\text{NDF}: 1122.4/40$

Out: 135.619 ± 1.396 $\chi^2/\text{NDF}: 1348.4/44$

All: 139.793 ± 1.007 $\chi^2/\text{NDF}: 2489.4/85$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -235.172+/-0.147 χ^2/NDF : 147218.9/17

Left Out: -260.729+/-0.080 χ^2/NDF : 220125.6/24

Right Out: -227.413+/-0.140 χ^2/NDF : 100610.8/19

Left In: -267.416+/-0.081 χ^2/NDF : 98892.0/22

Left: -263.998+/-0.057 χ^2/NDF : 322472.0/47

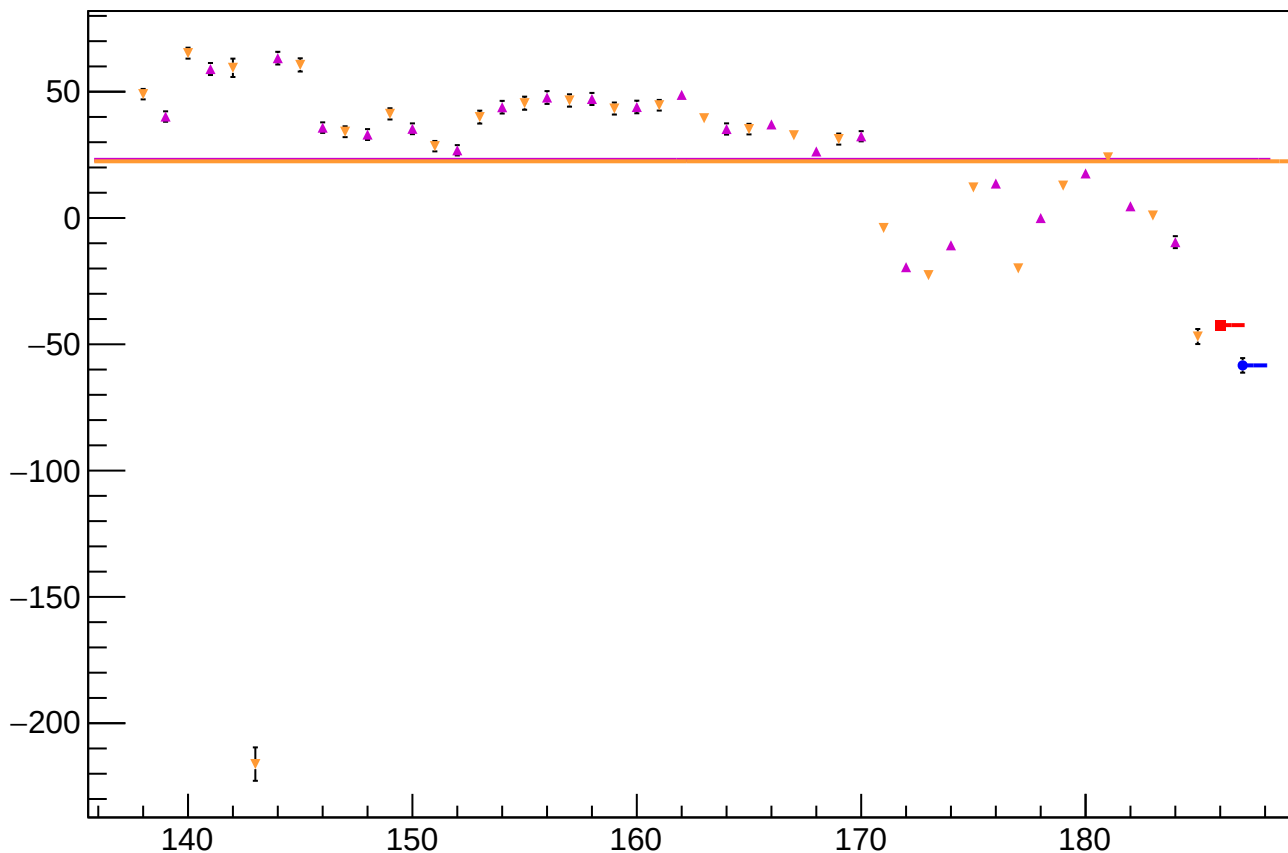
Right: -231.095+/-0.101 χ^2/NDF : 249290.5/37

In: -259.871+/-0.071 χ^2/NDF : 282880.9/40

Out: -252.585+/-0.069 χ^2/NDF : 363616.7/44

All: -256.122+/-0.050 χ^2/NDF : 651886.4/85

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -58.350 ± 2.889 χ^2/NDF : 0.0/0

Left Out: 22.446 ± 0.399 χ^2/NDF : 4935.8/24

Right Out: -42.407 ± 1.746 χ^2/NDF : 0.0/0

Left In: 23.019 ± 0.400 χ^2/NDF : 2819.9/22

Left: 22.732 ± 0.282 χ^2/NDF : 7756.7/47

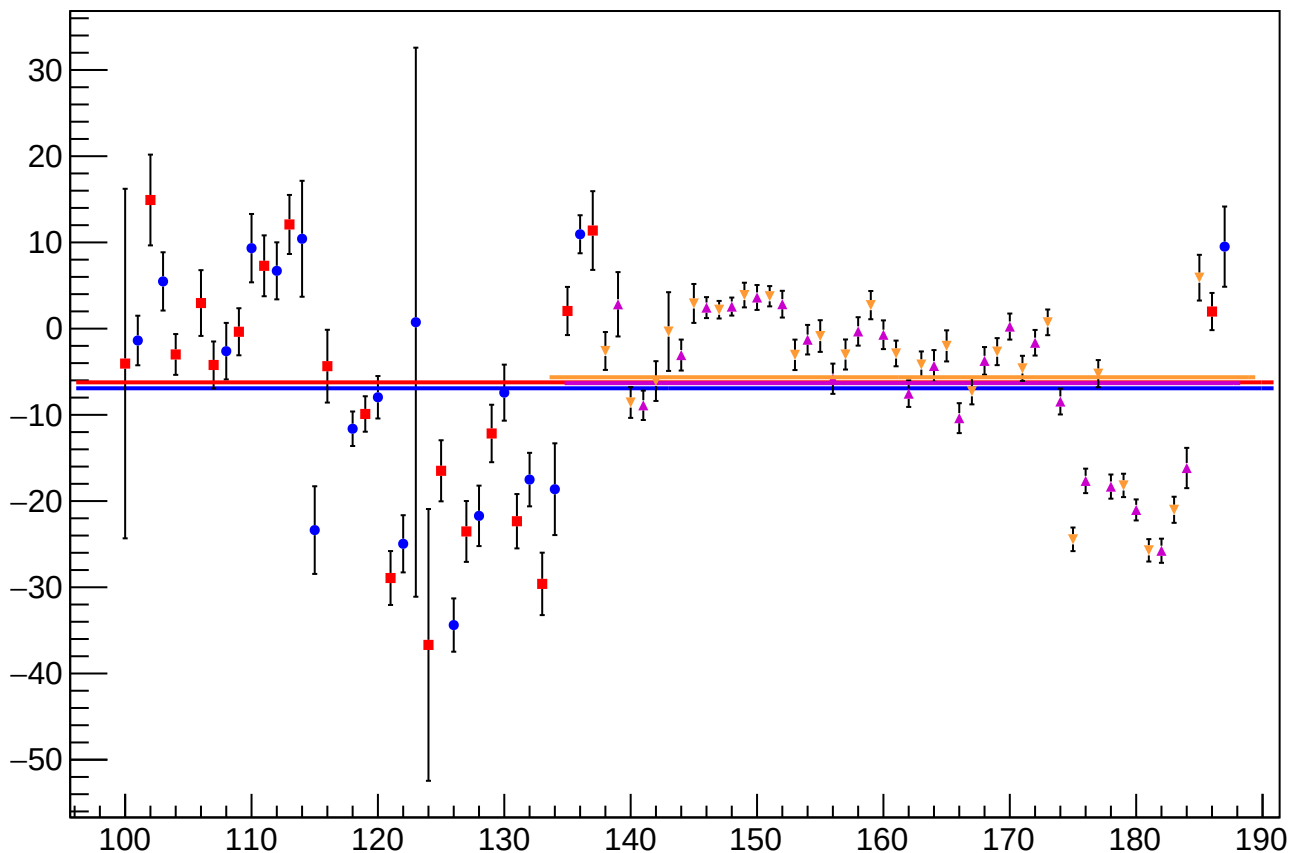
Right: -46.673 ± 1.494 χ^2/NDF : 22.3/1

In: 21.490 ± 0.396 χ^2/NDF : 3598.3/23

Out: 19.230 ± 0.389 χ^2/NDF : 6247.0/25

All: 20.339 ± 0.277 χ^2/NDF : 9861.9/49

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.921 ± 0.768 χ^2/NDF : 296.4/17

Left Out: -5.639 ± 0.316 χ^2/NDF : 891.5/24

Right Out: -6.231 ± 0.718 χ^2/NDF : 273.6/19

Left In: -6.323 ± 0.320 χ^2/NDF : 784.4/22

Left: -5.976 ± 0.225 χ^2/NDF : 1678.2/47

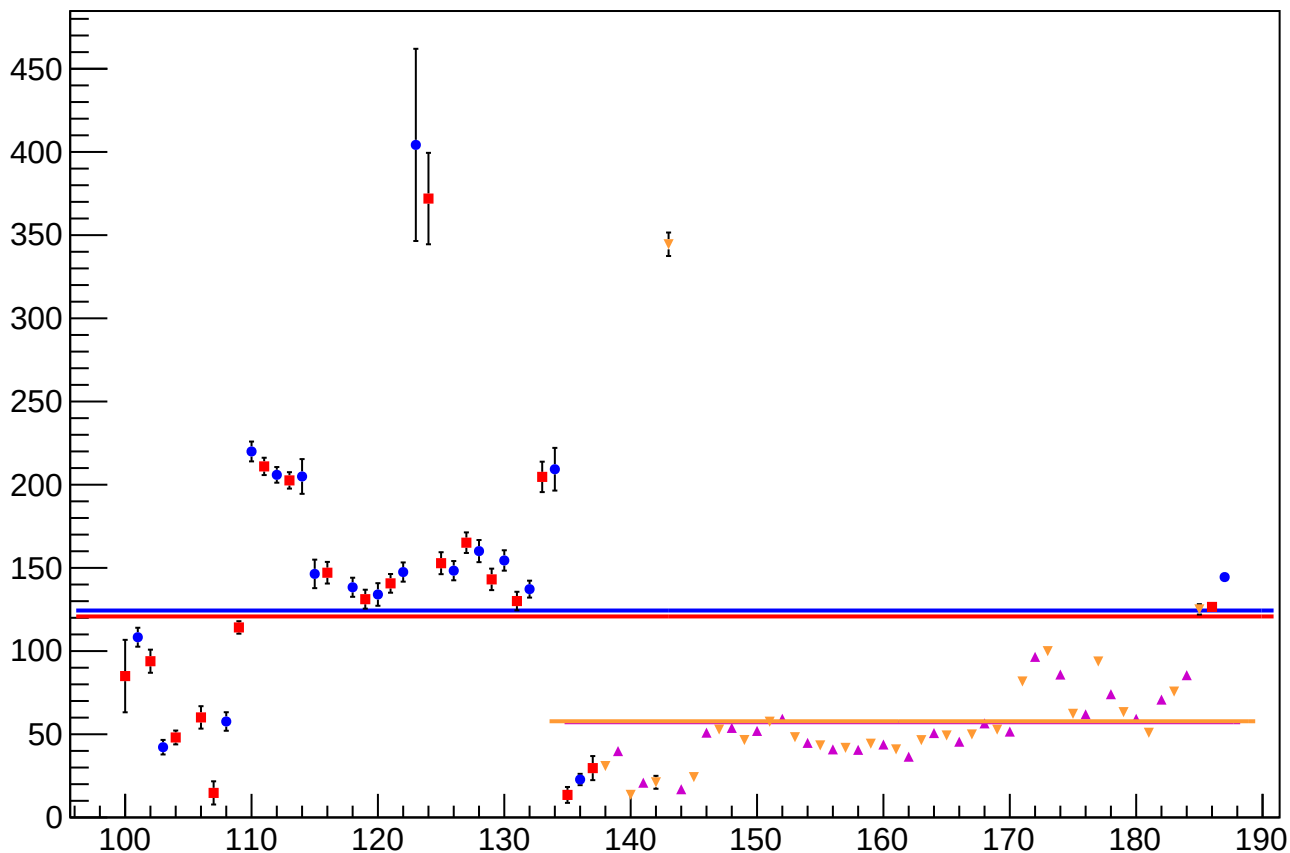
Right: -6.553 ± 0.525 χ^2/NDF : 570.4/37

In: -6.412 ± 0.296 χ^2/NDF : 1081.3/40

Out: -5.734 ± 0.289 χ^2/NDF : 1165.7/44

All: -6.065 ± 0.207 χ^2/NDF : 2249.7/85

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 124.382 $\pm$ 1.211 χ^2 /NDF: 2258.2/17

Left Out: 57.816 $\pm$ 0.398 χ^2 /NDF:4331.5/24

Right Out: 120.812 $\pm$ 0.976 χ^2 /NDF: 2183.1/19

Left In: 57.226 $\pm$ 0.398 χ^2 /NDF:1860.6/22

Left: 57.521 $\pm$ 0.281 χ^2 /NDF: 6193.2/47

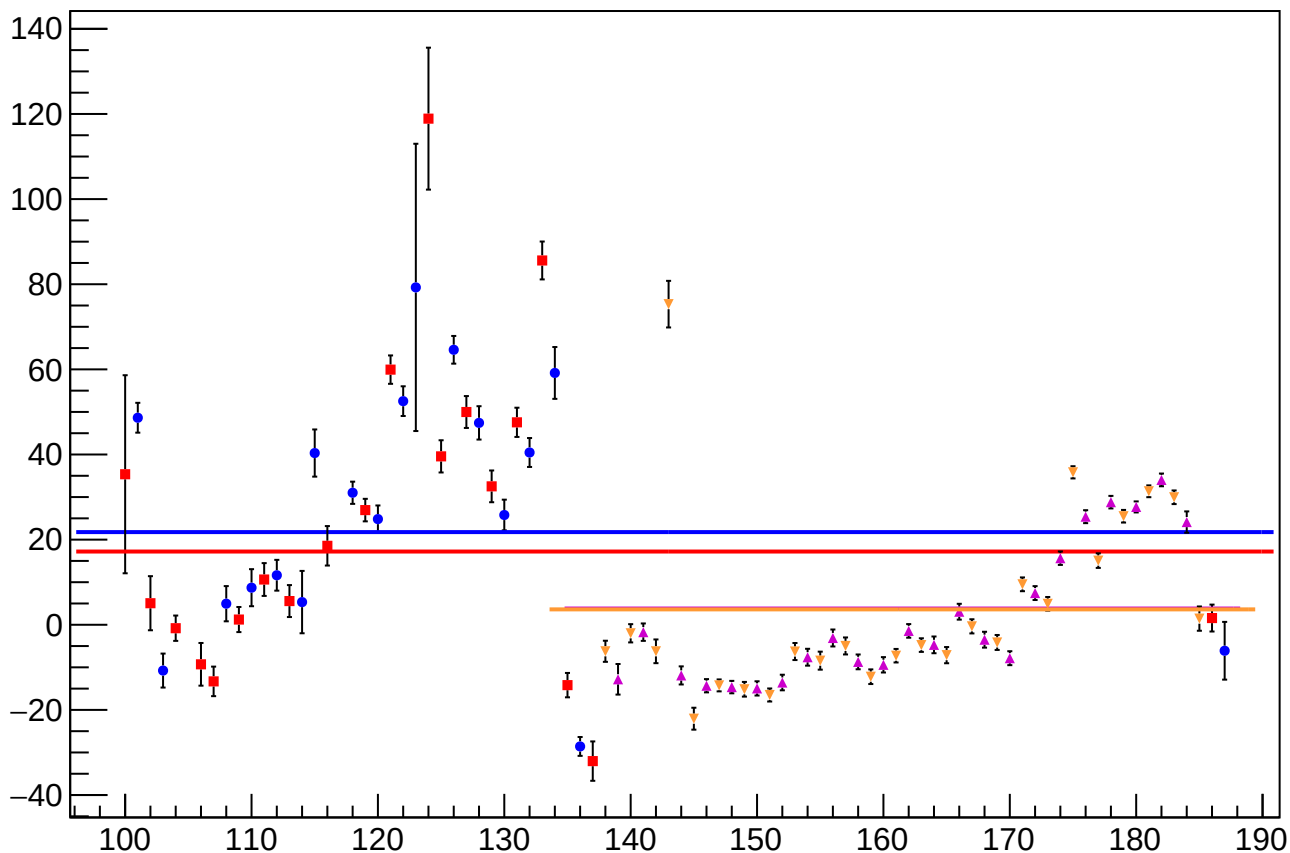
Right: 122.217 $\pm$ 0.760 χ^2 /NDF: 4446.6/37

In: 63.772 $\pm$ 0.378 χ^2 /NDF:6893.0/40

Out: 66.799 $\pm$ 0.369 χ^2 /NDF:10086.9/44

All: 65.325 $\pm$ 0.264 χ^2 /NDF: 17012.7/85

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.771 $\pm$ 0.882 χ^2 /NDF: 1088.6/17

Left Out: 3.615 $\pm$ 0.357 χ^2 /NDF:2501.2/24

Right Out: 17.205 $\pm$ 0.840 χ^2 /NDF: 1103.5/19

Left In: 3.812 $\pm$ 0.361 χ^2 /NDF:2203.5/22

Left: 3.712 $\pm$ 0.254 χ^2 /NDF: 4704.8/47

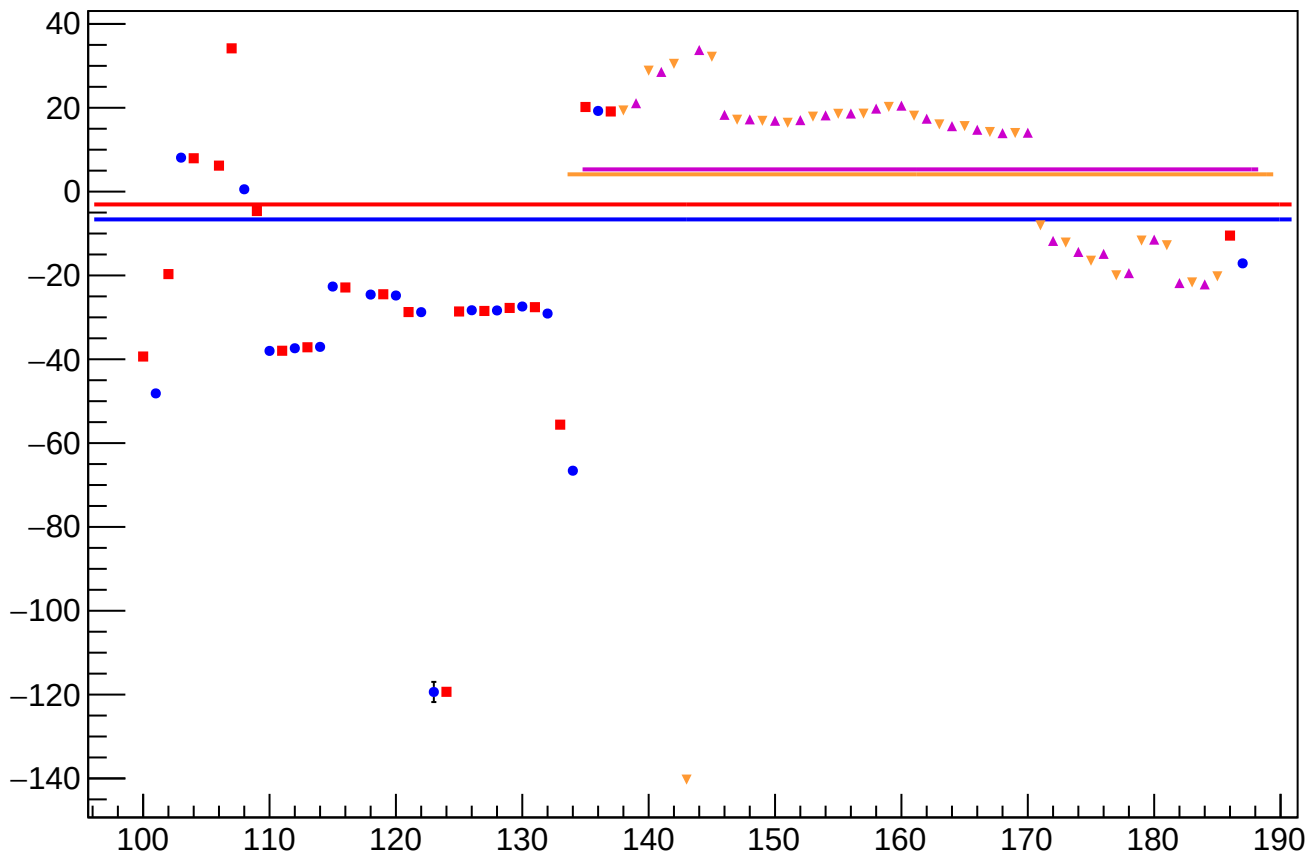
Right: 19.379 $\pm$ 0.608 χ^2 /NDF: 2206.1/37

In: 6.387 $\pm$ 0.334 χ^2 /NDF:3647.6/40

Out: 5.690 $\pm$ 0.328 χ^2 /NDF:3826.2/44

All: 6.033 $\pm$ 0.234 χ^2 /NDF: 7476.0/85

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.634+/-0.046 χ^2/NDF : 266563.8/17

Left Out: 4.121+/-0.016 χ^2/NDF :1340176.5/24

Right Out: -3.061+/-0.045 χ^2/NDF : 267440.4/19

Left In: 5.305+/-0.016 χ^2/NDF :1089610.2/22

Left: 4.714+/-0.012 χ^2/NDF : 2432407.5/47

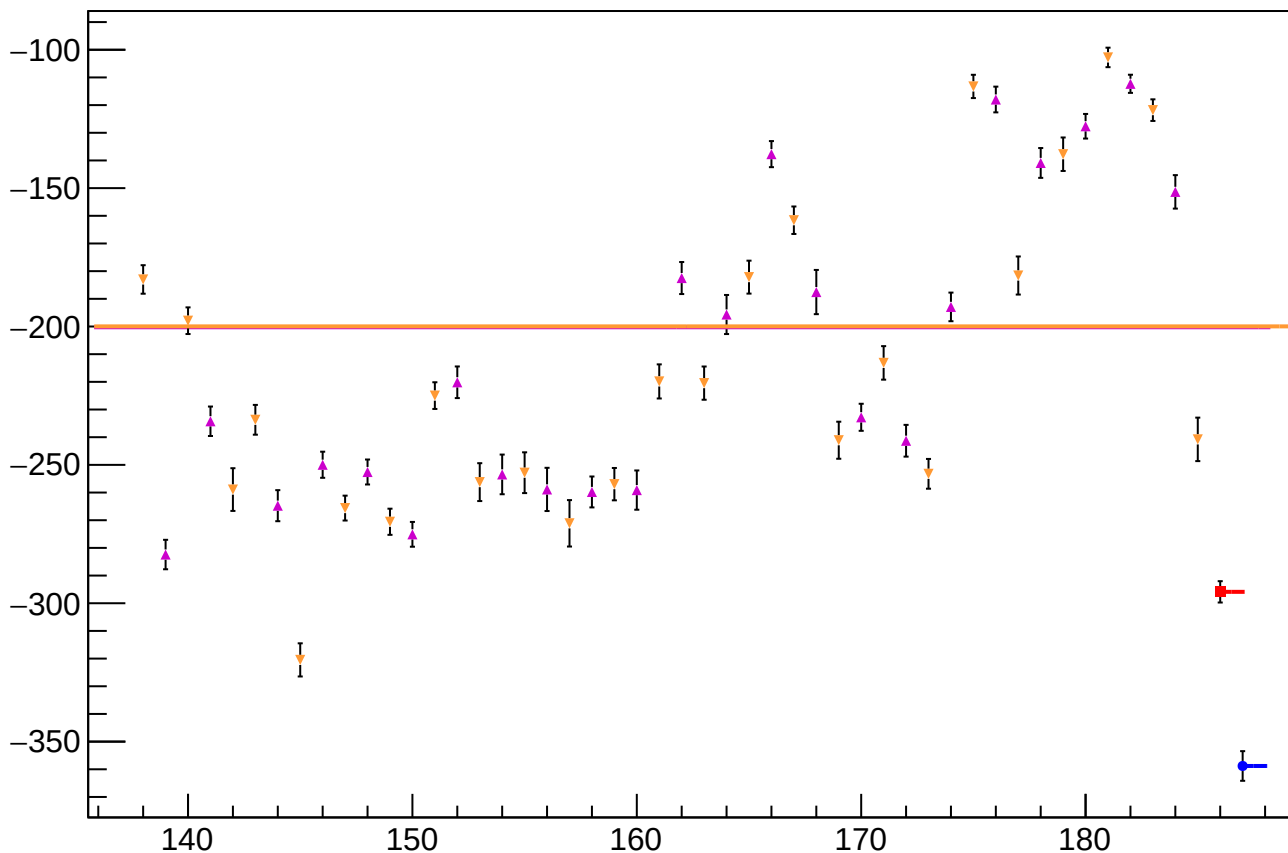
Right: -4.805+/-0.032 χ^2/NDF : 537114.8/37

In: 3.957+/-0.015 χ^2/NDF :1416374.3/40

Out: 3.274+/-0.015 χ^2/NDF :1630329.4/44

All: 3.615+/-0.011 χ^2/NDF : 3047689.3/85

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -358.804 $\pm$ 5.356 χ^2 /NDF: 0.0/0

Left Out: -199.957 $\pm$ 1.082 χ^2 /NDF:3220.5/24

Right Out: -295.882 $\pm$ 3.855 χ^2 /NDF: 0.0/0

Left In: -200.276 $\pm$ 1.093 χ^2 /NDF:3013.8/22

Left: -200.115 $\pm$ 0.769 χ^2 /NDF: 6234.3/47

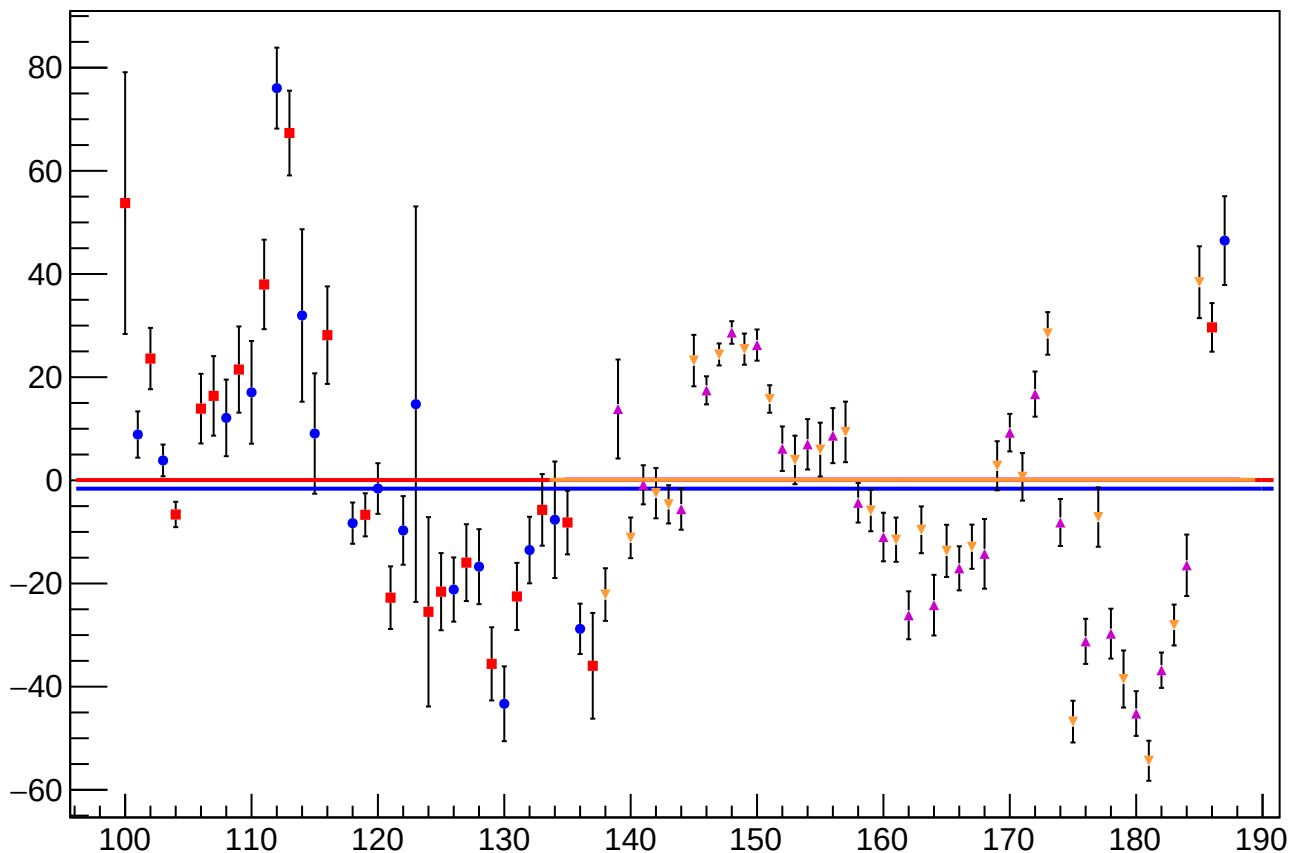
Right: -317.358 $\pm$ 3.129 χ^2 /NDF: 90.9/1

In: -206.618 $\pm$ 1.071 χ^2 /NDF:3854.8/23

Out: -206.955 $\pm$ 1.041 χ^2 /NDF:3794.4/25

All: -206.792 $\pm$ 0.747 χ^2 /NDF: 7649.3/49

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.616 ± 1.430 χ^2/NDF : 236.0/17

Left Out: 0.116 ± 0.810 χ^2/NDF : 830.1/24

Right Out: 0.058 ± 1.341 χ^2/NDF : 261.0/19

Left In: 0.153 ± 0.836 χ^2/NDF : 719.6/22

Left: 0.134 ± 0.582 χ^2/NDF : 1549.7/47

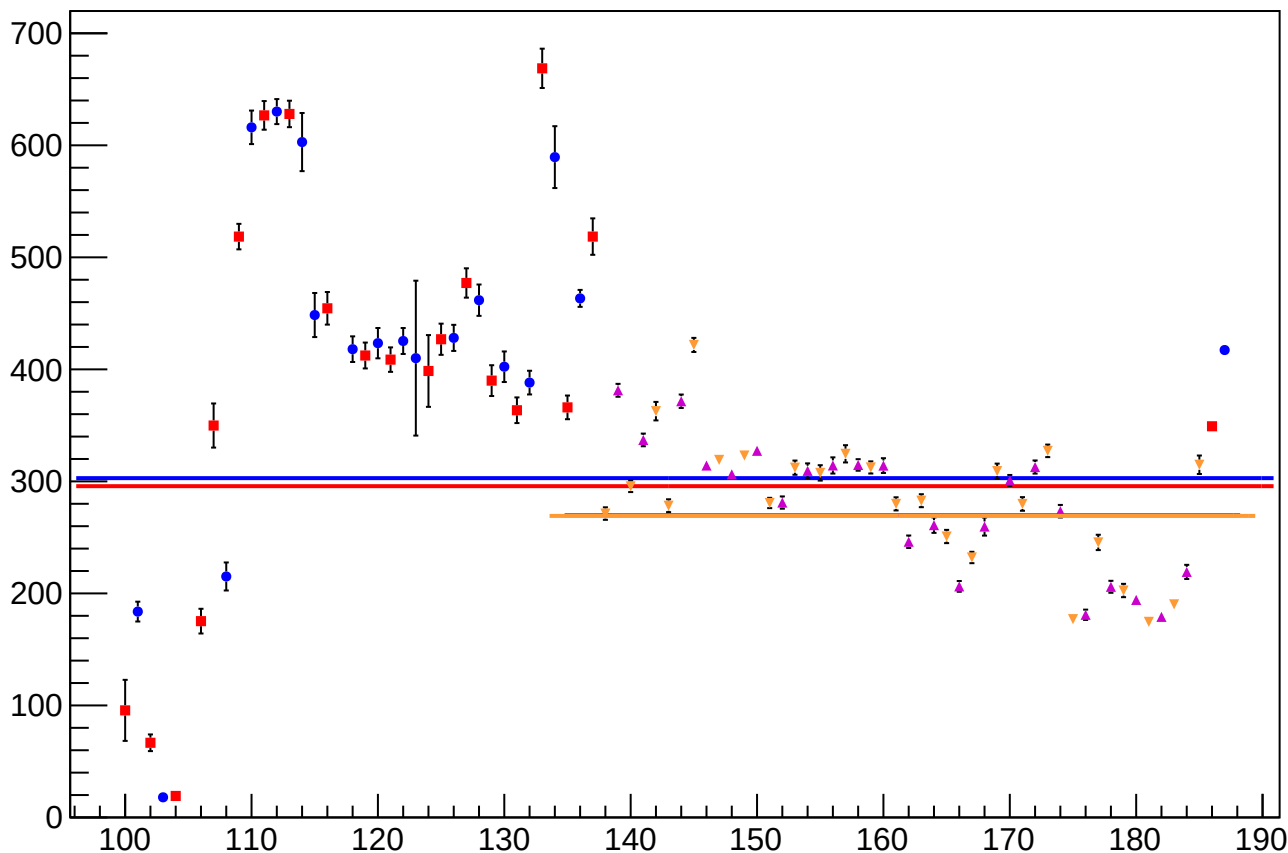
Right: -0.725 ± 0.978 χ^2/NDF : 497.7/37

In: -0.297 ± 0.722 χ^2/NDF : 956.8/40

Out: 0.100 ± 0.694 χ^2/NDF : 1091.1/44

All: -0.091 ± 0.500 χ^2/NDF : 2048.0/85

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 302.893 $\pm$ 2.158 χ^2 /NDF: 8553.0/17

Left Out: 269.181 $\pm$ 1.081 χ^2 /NDF:3148.5/24

Right Out: 295.720 $\pm$ 1.920 χ^2 /NDF: 8704.0/19

Left In: 269.798 $\pm$ 1.087 χ^2 /NDF:3234.9/22

Left: 269.488 $\pm$ 0.766 χ^2 /NDF: 6383.6/47

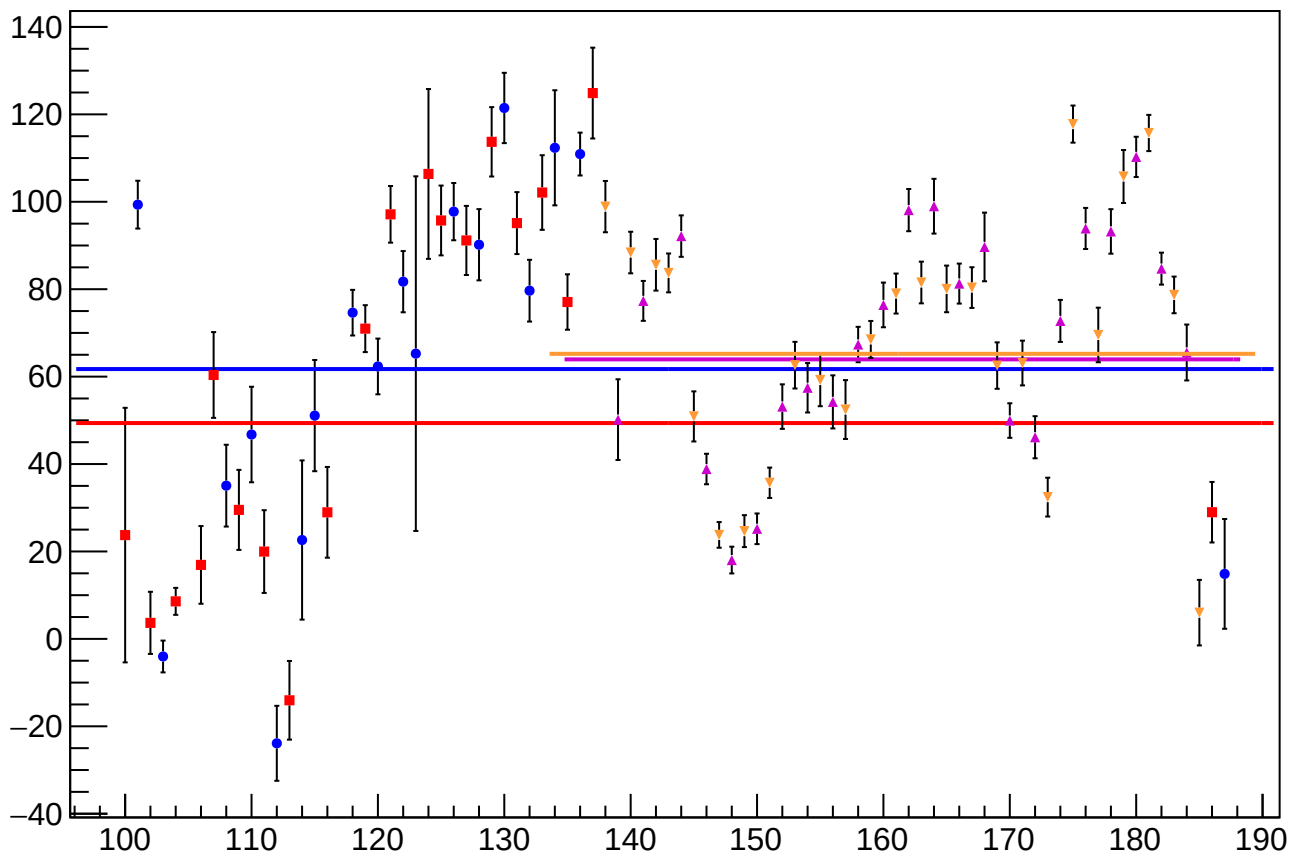
Right: 298.888 $\pm$ 1.434 χ^2 /NDF: 17263.1/37

In: 276.494 $\pm$ 0.971 χ^2 /NDF:11975.5/40

Out: 275.569 $\pm$ 0.942 χ^2 /NDF:11997.6/44

All: 276.017 $\pm$ 0.676 χ^2 /NDF: 23973.5/85

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.729+/-1.663 χ^2/NDF : 736.6/17

Left Out: 65.214+/-0.938 χ^2/NDF : 1005.7/24

Right Out: 49.377+/-1.599 χ^2/NDF : 666.2/19

Left In: 63.944+/-0.961 χ^2/NDF : 803.4/22

Left: 64.594+/-0.671 χ^2/NDF : 1809.9/47

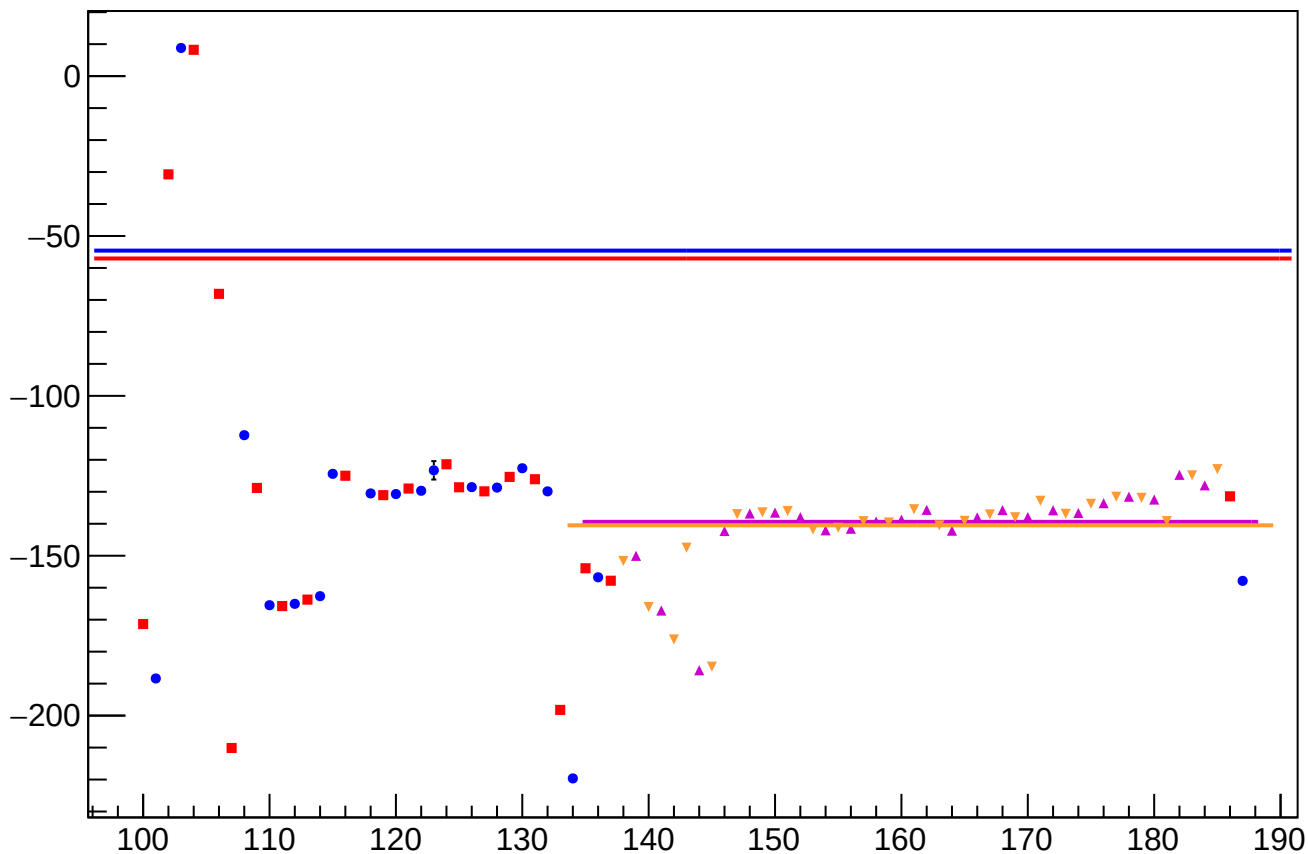
Right: 55.310+/-1.153 χ^2/NDF : 1431.4/37

In: 63.390+/-0.832 χ^2/NDF : 1541.3/40

Out: 61.158+/-0.809 χ^2/NDF : 1744.8/44

All: 62.243+/-0.580 χ^2/NDF : 3289.8/85

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -54.572 ± 0.070 $\chi^2/\text{NDF}: 1251454.5/17$

Left Out: -140.489 ± 0.045 $\chi^2/\text{NDF}: 77350.7/24$

Right Out: -57.036 ± 0.071 $\chi^2/\text{NDF}: 992154.3/19$

Left In: -139.406 ± 0.045 $\chi^2/\text{NDF}: 62878.4/22$

Left: -139.949 ± 0.032 $\chi^2/\text{NDF}: 140521.6/47$

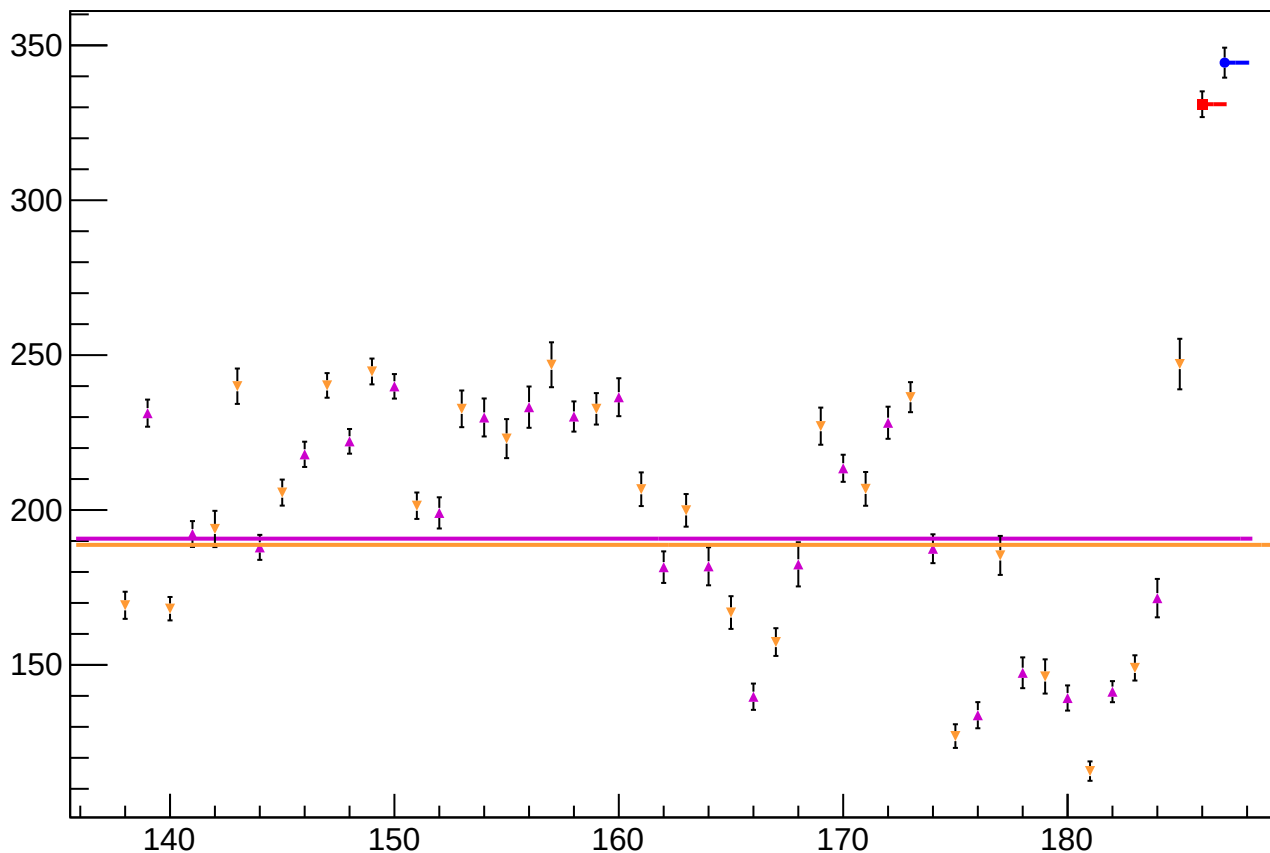
Right: -55.782 ± 0.050 $\chi^2/\text{NDF}: 2244218.6/37$

In: -114.693 ± 0.038 $\chi^2/\text{NDF}: 2357173.5/40$

Out: -116.891 ± 0.038 $\chi^2/\text{NDF}: 2055479.8/44$

All: -115.789 ± 0.027 $\chi^2/\text{NDF}: 4414343.4/85$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 344.410 $\pm$ 4.840 χ^2 /NDF: 0.0/0

Left Out: 188.749 $\pm$ 0.958 χ^2 /NDF:1968.6/24

Right Out: 330.994 $\pm$ 4.156 χ^2 /NDF: 0.0/0

Left In: 190.753 $\pm$ 0.971 χ^2 /NDF:1421.8/22

Left: 189.737 $\pm$ 0.682 χ^2 /NDF: 3392.5/47

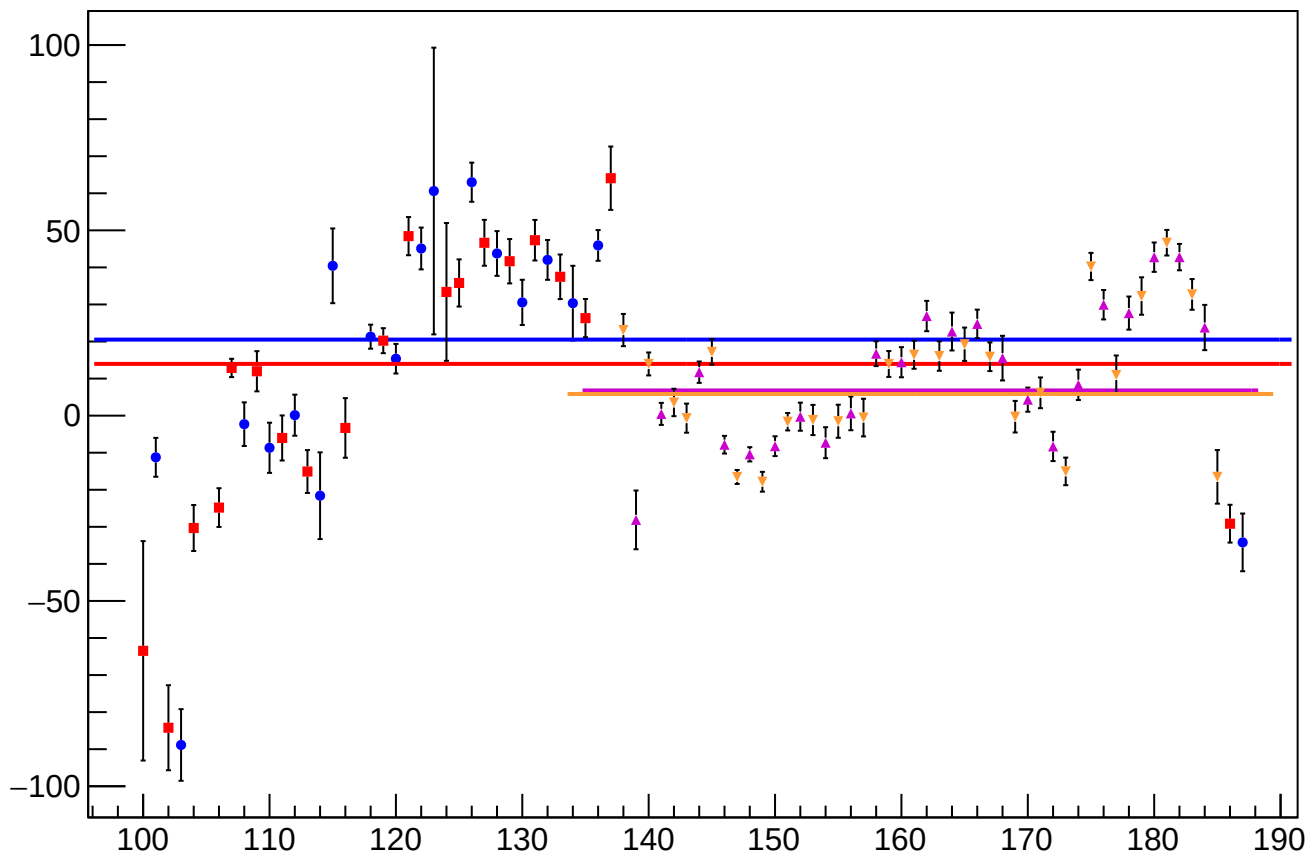
Right: 336.687 $\pm$ 3.153 χ^2 /NDF: 4.4/1

In: 196.697 $\pm$ 0.952 χ^2 /NDF:2390.6/23

Out: 195.927 $\pm$ 0.934 χ^2 /NDF:3080.9/25

All: 196.304 $\pm$ 0.667 χ^2 /NDF: 5471.8/49

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 20.519 $\pm$ 1.353 χ^2 /NDF: 436.5/17

Left Out: 5.851 $\pm$ 0.714 χ^2 /NDF: 650.6/24

Right Out: 13.962 $\pm$ 1.195 χ^2 /NDF: 501.5/19

Left In: 6.797 $\pm$ 0.735 χ^2 /NDF: 525.8/22

Left: 6.311 $\pm$ 0.512 χ^2 /NDF: 1177.3/47

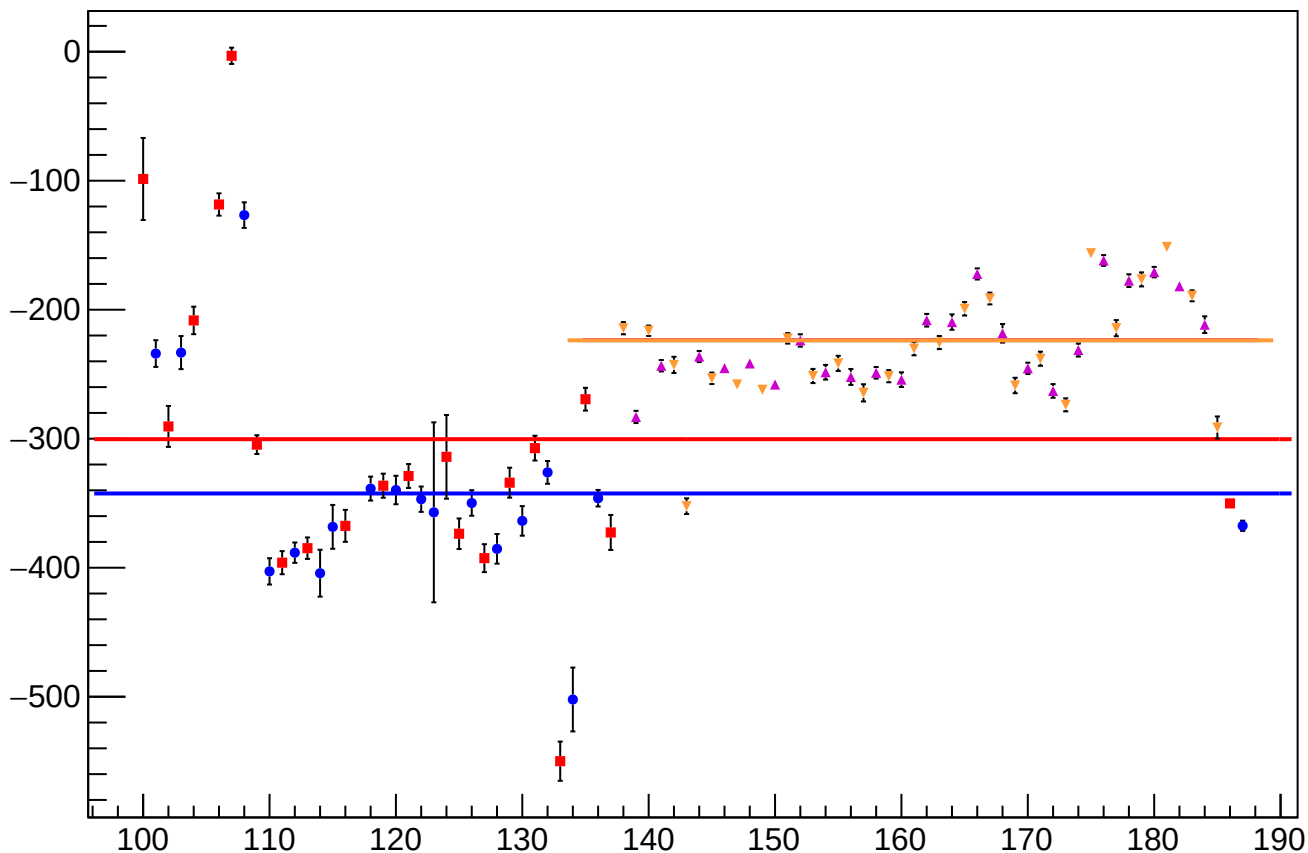
Right: 16.836 $\pm$ 0.896 χ^2 /NDF: 951.1/37

In: 9.922 $\pm$ 0.646 χ^2 /NDF: 1041.8/40

Out: 7.986 $\pm$ 0.613 χ^2 /NDF: 1186.0/44

All: 8.904 $\pm$ 0.445 χ^2 /NDF: 2232.5/85

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -342.441 $\pm$ 2.154 χ^2 /NDF: 841.1/17

Left Out: -223.752 $\pm$ 0.958 χ^2 /NDF:2021.5/24

Right Out: -300.353 $\pm$ 1.903 χ^2 /NDF: 3699.7/19

Left In: -223.554 $\pm$ 0.966 χ^2 /NDF:1286.5/22

Left: -223.654 $\pm$ 0.680 χ^2 /NDF: 3308.0/47

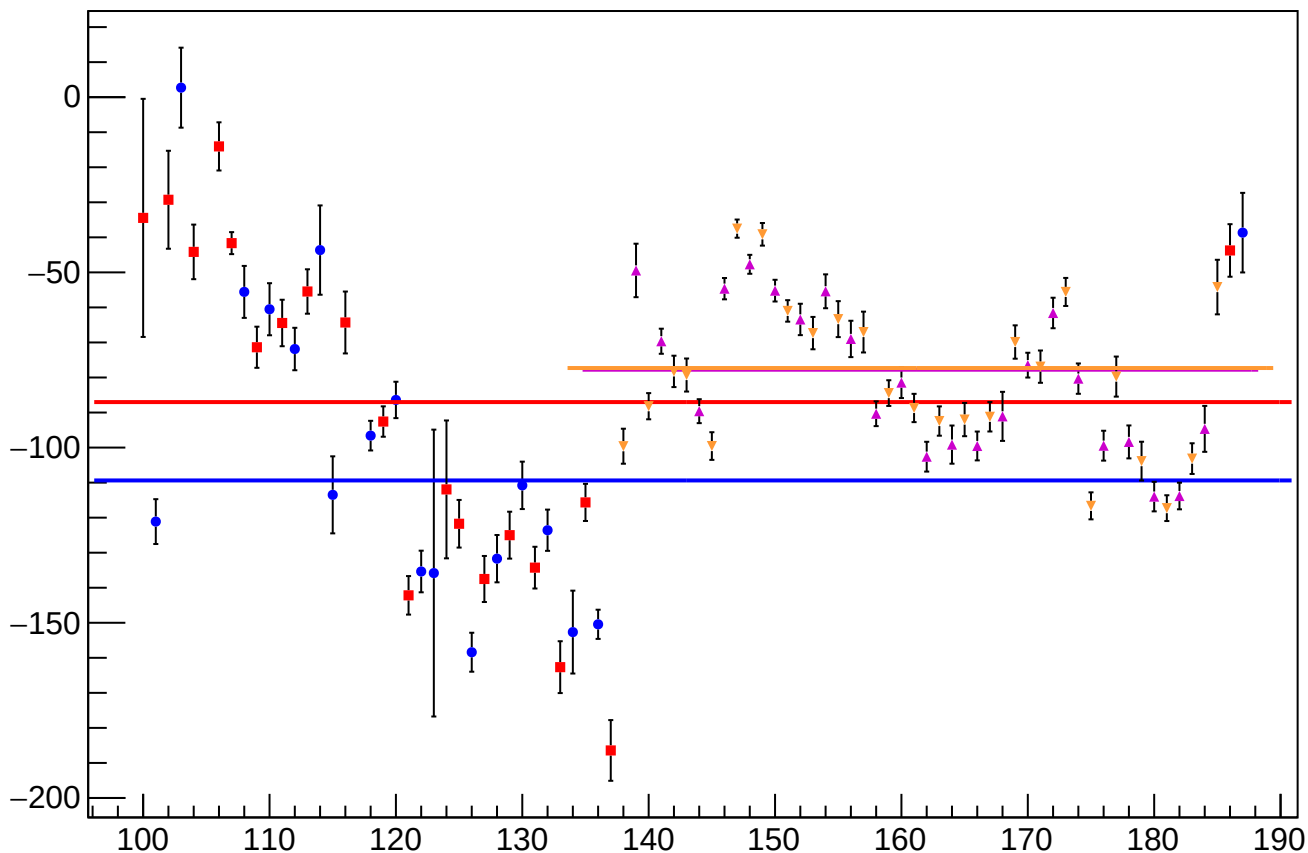
Right: -318.806 $\pm$ 1.426 χ^2 /NDF: 4755.3/37

In: -243.454 $\pm$ 0.881 χ^2 /NDF:4665.1/40

Out: -239.241 $\pm$ 0.856 χ^2 /NDF:7014.1/44

All: -241.286 $\pm$ 0.614 χ^2 /NDF: 11691.0/85

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -109.380 $\pm$ 1.563 χ^2/NDF : 552.9/17

Left Out: -77.296 $\pm$ 0.829 χ^2/NDF :844.6/24

Right Out: -87.016 $\pm$ 1.409 χ^2/NDF : 1004.2/19

Left In: -77.777 $\pm$ 0.847 χ^2/NDF :624.5/22

Left: -77.531 $\pm$ 0.592 χ^2/NDF : 1469.2/47

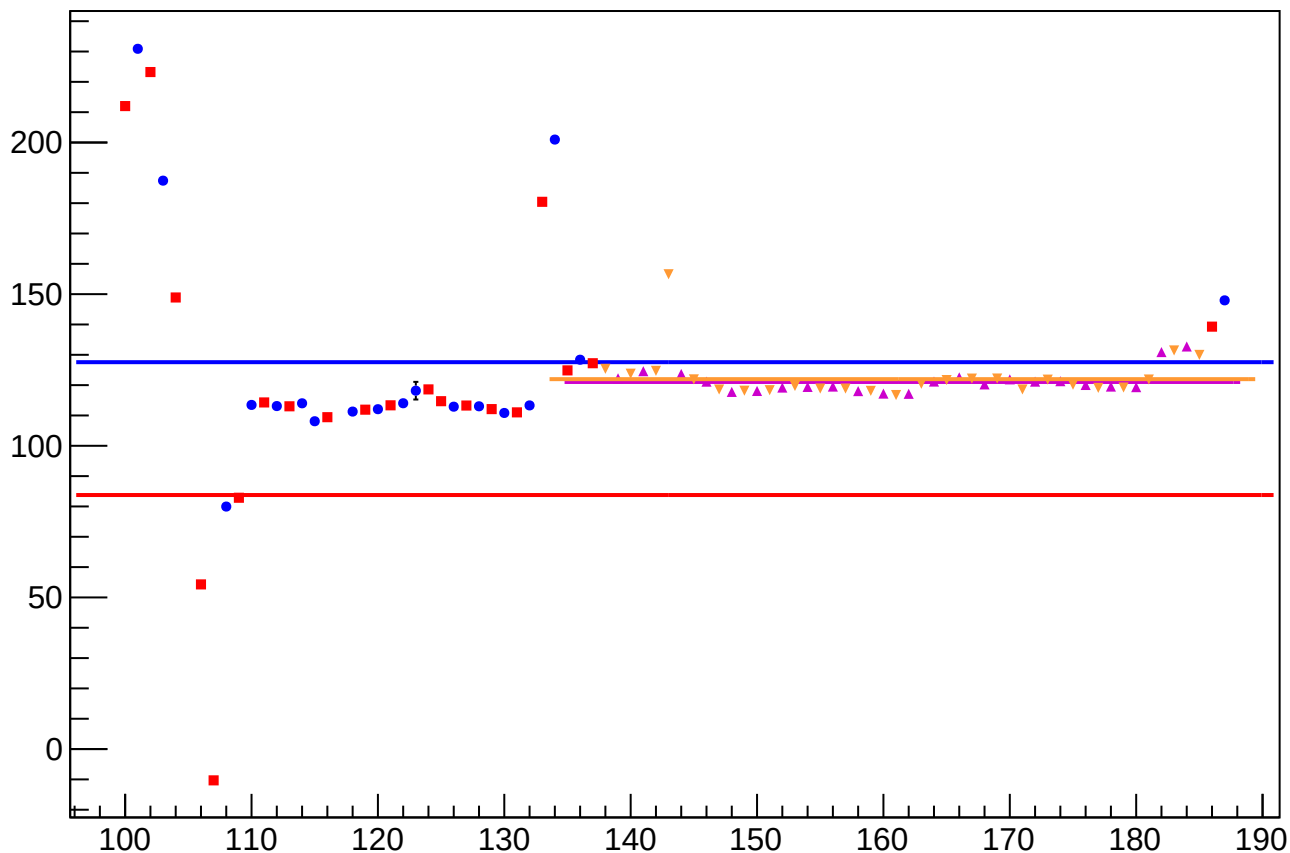
Right: -97.046 $\pm$ 1.046 χ^2/NDF : 1670.2/37

In: -84.950 $\pm$ 0.744 χ^2/NDF :1493.6/40

Out: -79.794 $\pm$ 0.714 χ^2/NDF :1884.2/44

All: -82.266 $\pm$ 0.515 χ^2/NDF : 3402.8/85

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.569 $\pm$ 0.088 χ^2 /NDF: 189074.2/17

Left Out: 121.972 $\pm$ 0.039 χ^2 /NDF: 27431.1/24

Right Out: 83.766 $\pm$ 0.075 χ^2 /NDF: 776525.6/19

Left In: 121.045 $\pm$ 0.040 χ^2 /NDF: 7903.5/22

Left: 121.510 $\pm$ 0.028 χ^2 /NDF: 35609.5/47

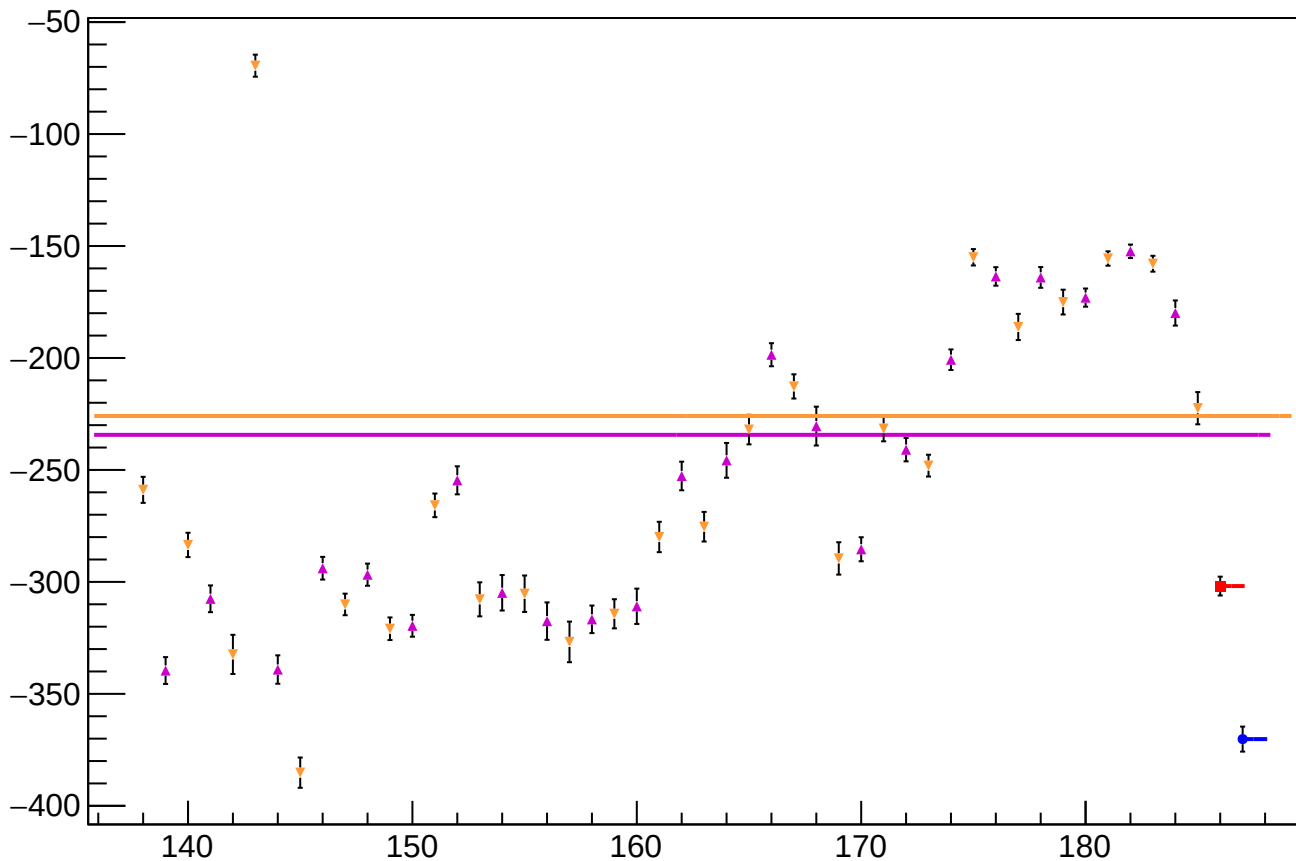
Right: 102.033 $\pm$ 0.057 χ^2 /NDF: 1109459.8/37

In: 122.139 $\pm$ 0.036 χ^2 /NDF: 201534.1/40

Out: 113.604 $\pm$ 0.035 χ^2 /NDF: 1008926.6/44

All: 117.728 $\pm$ 0.025 χ^2 /NDF: 1239350.2/85

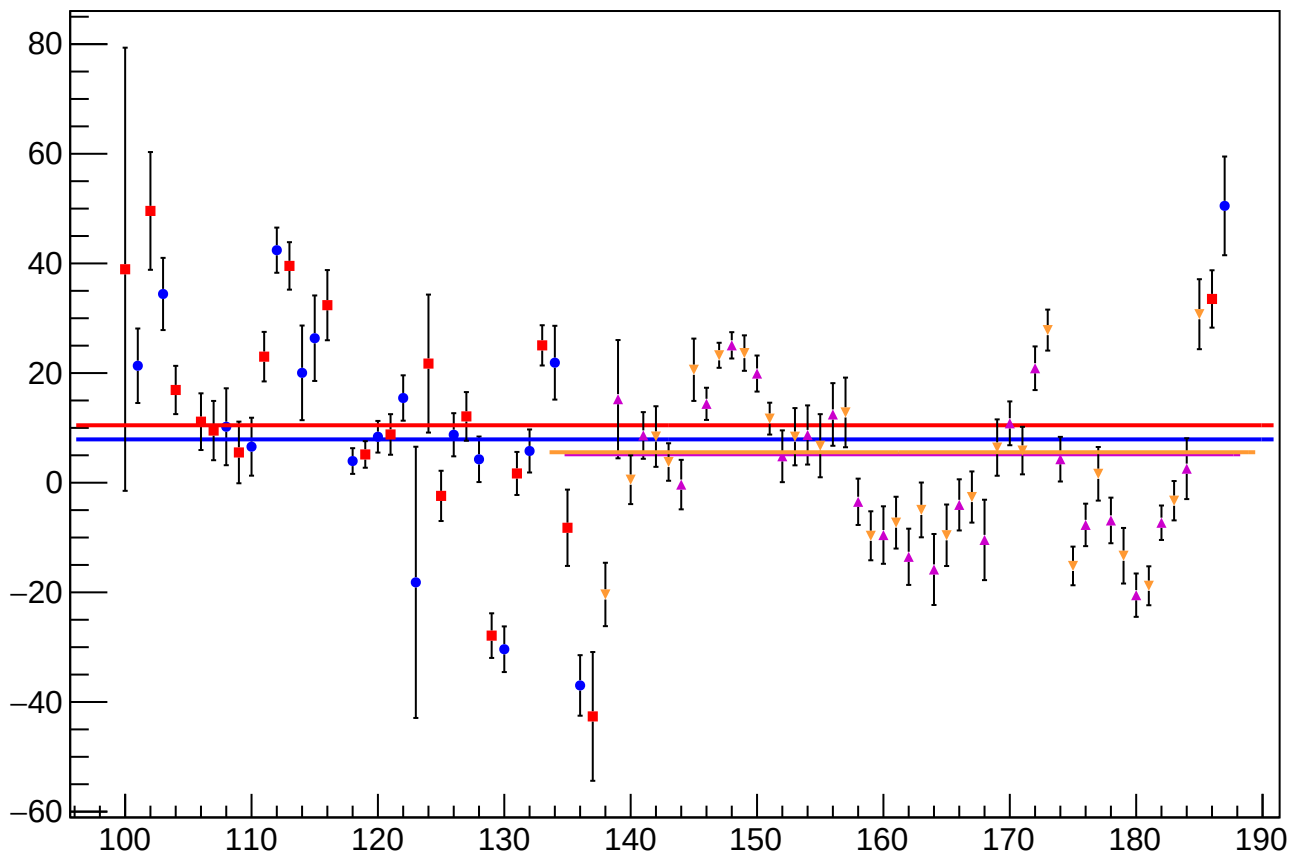
reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -370.205 $\pm$ 5.584 χ^2 /NDF: 0.0/0
 Left Out: -225.905 $\pm$ 1.083 χ^2 /NDF:4669.2/24
 Right Out: -301.864 $\pm$ 4.204 χ^2 /NDF: 0.0/0
 Left In: -234.328 $\pm$ 1.104 χ^2 /NDF:3591.9/22

Left: -230.037 $\pm$ 0.773 χ^2 /NDF: 8290.7/47
 Right: -326.586 $\pm$ 3.358 χ^2 /NDF: 95.6/1
 In: -239.442 $\pm$ 1.083 χ^2 /NDF:4161.8/23
 Out: -230.636 $\pm$ 1.049 χ^2 /NDF:4975.3/25
 All: -234.899 $\pm$ 0.754 χ^2 /NDF: 9171.2/49

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.901 ± 1.076 χ^2/NDF : 283.7/17

Left Out: 5.558 ± 0.832 χ^2/NDF : 313.4/24

Right Out: 10.476 ± 1.053 χ^2/NDF : 251.7/19

Left In: 5.186 ± 0.867 χ^2/NDF : 243.2/22

Left: 5.380 ± 0.600 χ^2/NDF : 556.7/47

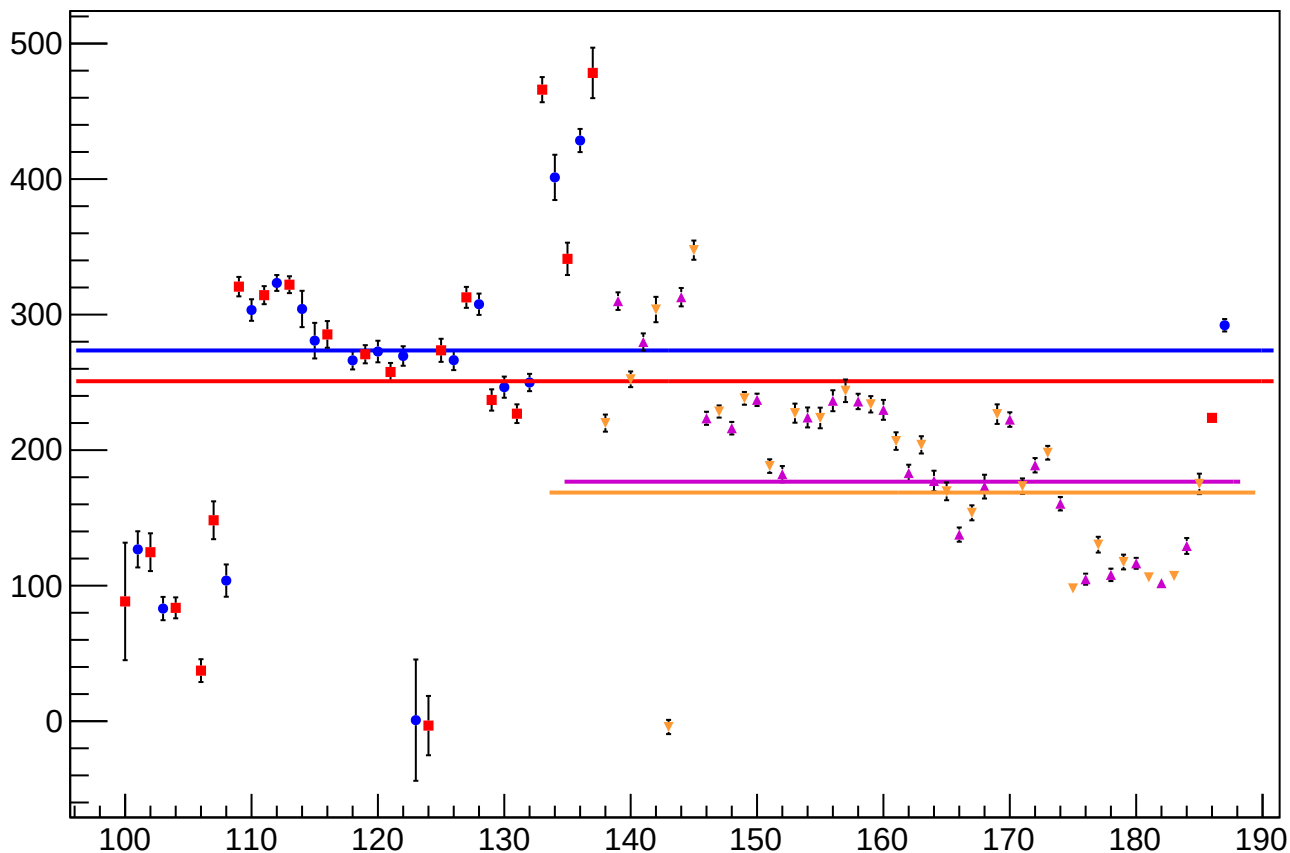
Right: 9.217 ± 0.752 χ^2/NDF : 538.4/37

In: 6.255 ± 0.675 χ^2/NDF : 530.8/40

Out: 7.450 ± 0.653 χ^2/NDF : 578.6/44

All: 6.872 ± 0.469 χ^2/NDF : 1111.0/85

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.539 $\pm$ 1.888 χ^2 /NDF: 1393.8/17

Left Out: 168.699 $\pm$ 1.086 χ^2 /NDF: 4238.2/24

Right Out: 250.845 $\pm$ 1.705 χ^2 /NDF: 2628.7/19

Left In: 176.711 $\pm$ 1.102 χ^2 /NDF: 3234.3/22

Left: 172.648 $\pm$ 0.774 χ^2 /NDF: 7499.3/47

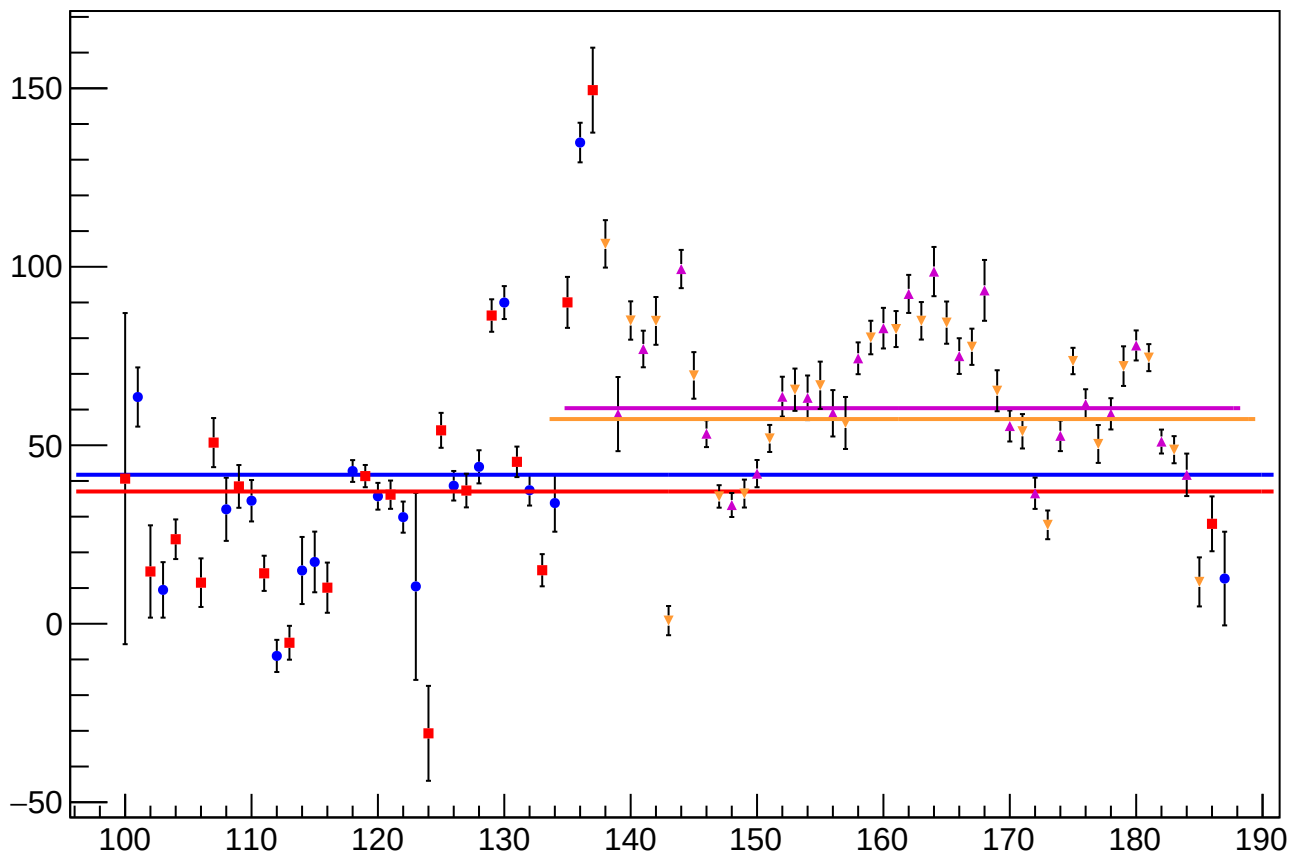
Right: 261.037 $\pm$ 1.265 χ^2 /NDF: 4102.1/37

In: 201.313 $\pm$ 0.952 χ^2 /NDF: 6590.3/40

Out: 192.427 $\pm$ 0.916 χ^2 /NDF: 8518.2/44

All: 196.701 $\pm$ 0.660 χ^2 /NDF: 15153.7/85

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.740 $\pm$ 1.250 χ^2 /NDF: 580.5/17

Left Out: 57.343 $\pm$ 0.956 χ^2 /NDF:641.5/24

Right Out: 37.049 $\pm$ 1.221 χ^2 /NDF: 474.0/19

Left In: 60.392 $\pm$ 0.987 χ^2 /NDF:341.2/22

Left: 58.819 $\pm$ 0.687 χ^2 /NDF: 987.6/47

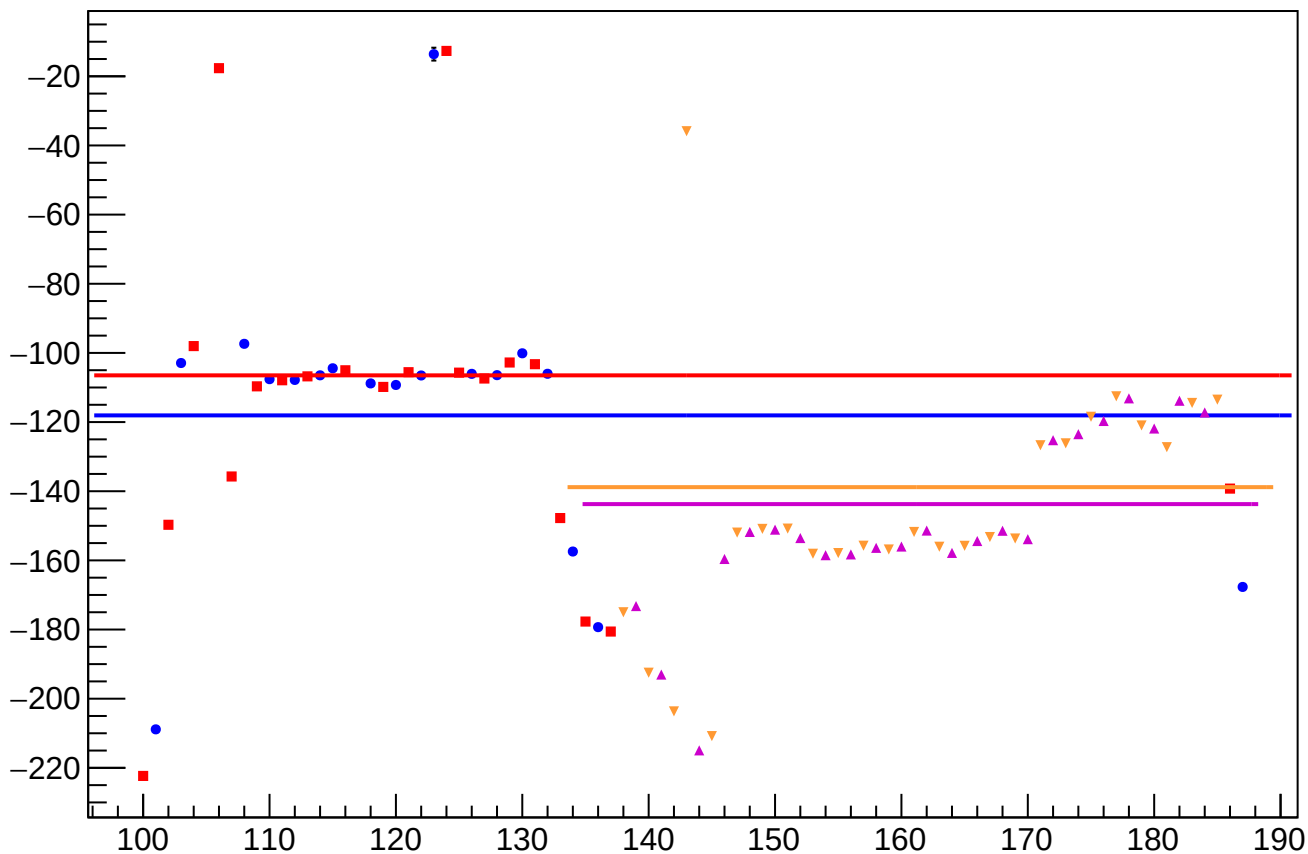
Right: 39.341 $\pm$ 0.873 χ^2 /NDF: 1061.8/37

In: 53.226 $\pm$ 0.775 χ^2 /NDF:1058.9/40

Out: 49.632 $\pm$ 0.753 χ^2 /NDF:1286.7/44

All: 51.378 $\pm$ 0.540 χ^2 /NDF: 2356.7/85

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -118.068+/-0.078 χ^2/NDF : 146572.9/17

Left Out: -138.821+/-0.045 χ^2/NDF : 525537.6/24

Right Out: -106.489+/-0.072 χ^2/NDF : 328057.3/19

Left In: -143.726+/-0.046 χ^2/NDF : 260994.5/22

Left: -141.241+/-0.032 χ^2/NDF : 792316.4/47

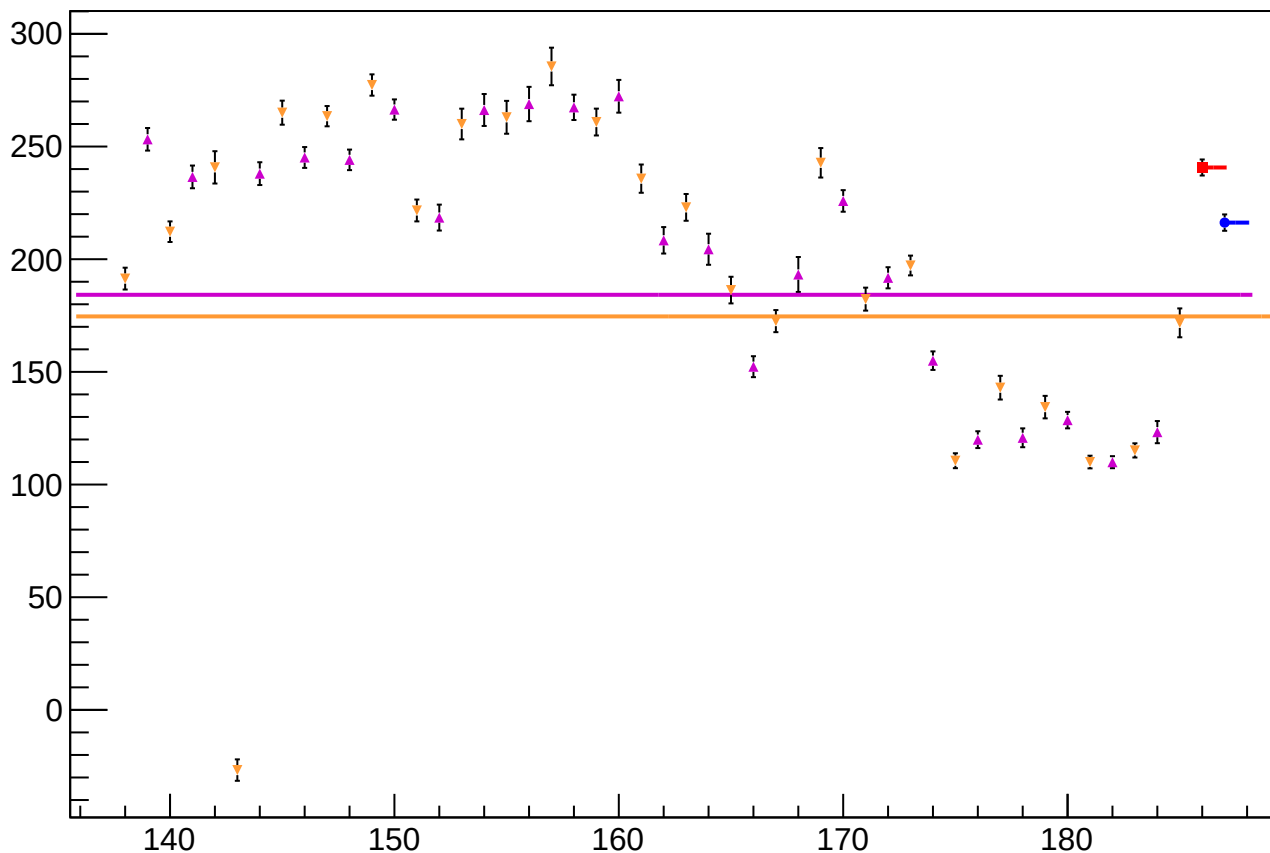
Right: -111.859+/-0.053 χ^2/NDF : 486578.7/37

In: -137.071+/-0.040 χ^2/NDF : 488591.7/40

Out: -129.678+/-0.038 χ^2/NDF : 997639.2/44

All: -133.266+/-0.028 χ^2/NDF : 1504253.5/85

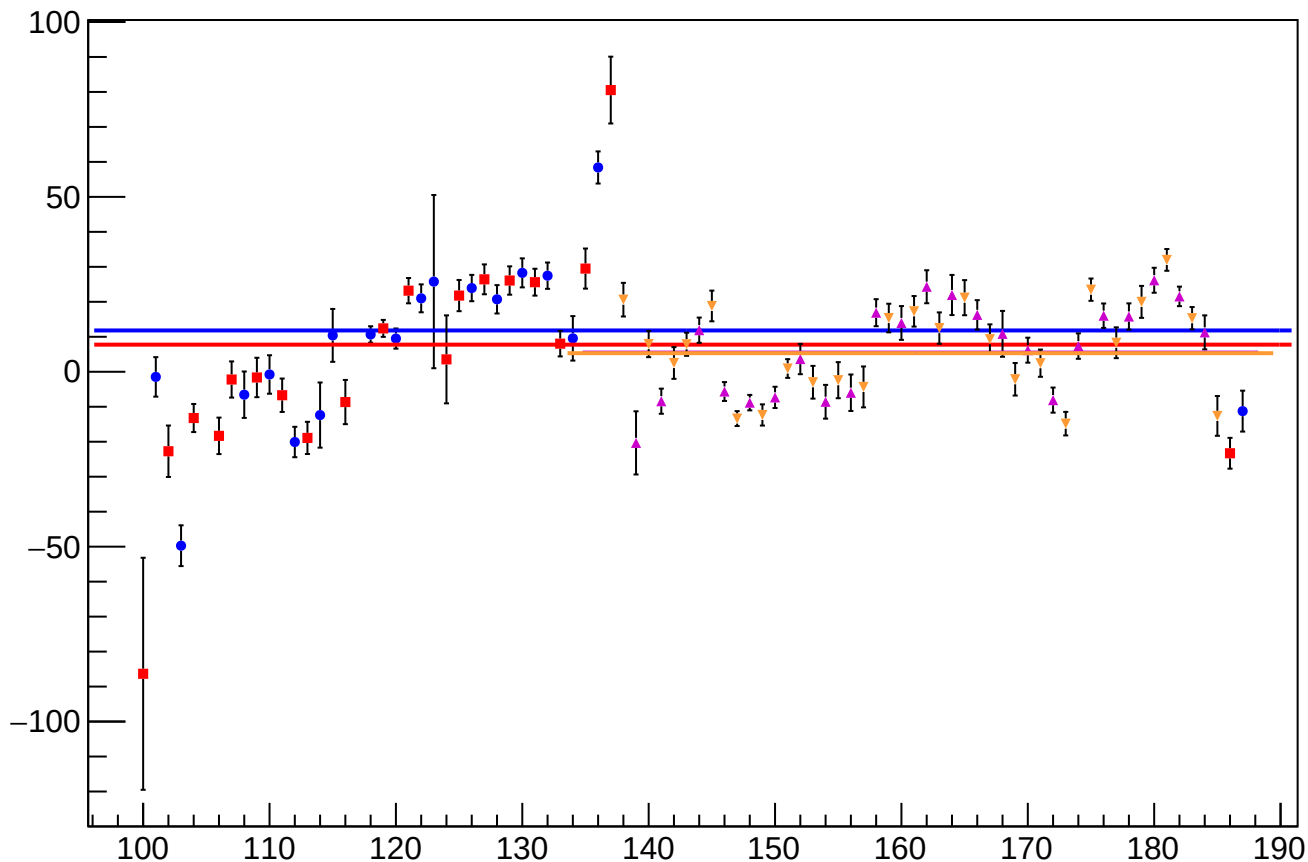
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 216.242 $\pm$ 3.631 χ^2 /NDF: 0.0/0
 Left Out: 174.613 $\pm$ 0.969 χ^2 /NDF:5551.3/24
 Right Out: 240.702 $\pm$ 3.560 χ^2 /NDF: 0.0/0
 Left In: 184.205 $\pm$ 0.987 χ^2 /NDF:3637.1/22

Left: 179.321 $\pm$ 0.691 χ^2 /NDF: 9236.5/47
 Right: 228.714 $\pm$ 2.542 χ^2 /NDF: 23.1/1
 In: 186.409 $\pm$ 0.952 χ^2 /NDF:3709.6/23
 Out: 179.172 $\pm$ 0.935 χ^2 /NDF:5872.2/25
 All: 182.724 $\pm$ 0.667 χ^2 /NDF: 9611.2/49

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.811+/-1.039 χ^2/NDF : 363.8/17

Left Out: 5.314+/-0.750 χ^2/NDF :345.1/24

Right Out: 7.754+/-1.022 χ^2/NDF : 348.7/19

Left In: 5.483+/-0.779 χ^2/NDF :259.1/22

Left: 5.396+/-0.540 χ^2/NDF : 604.2/47

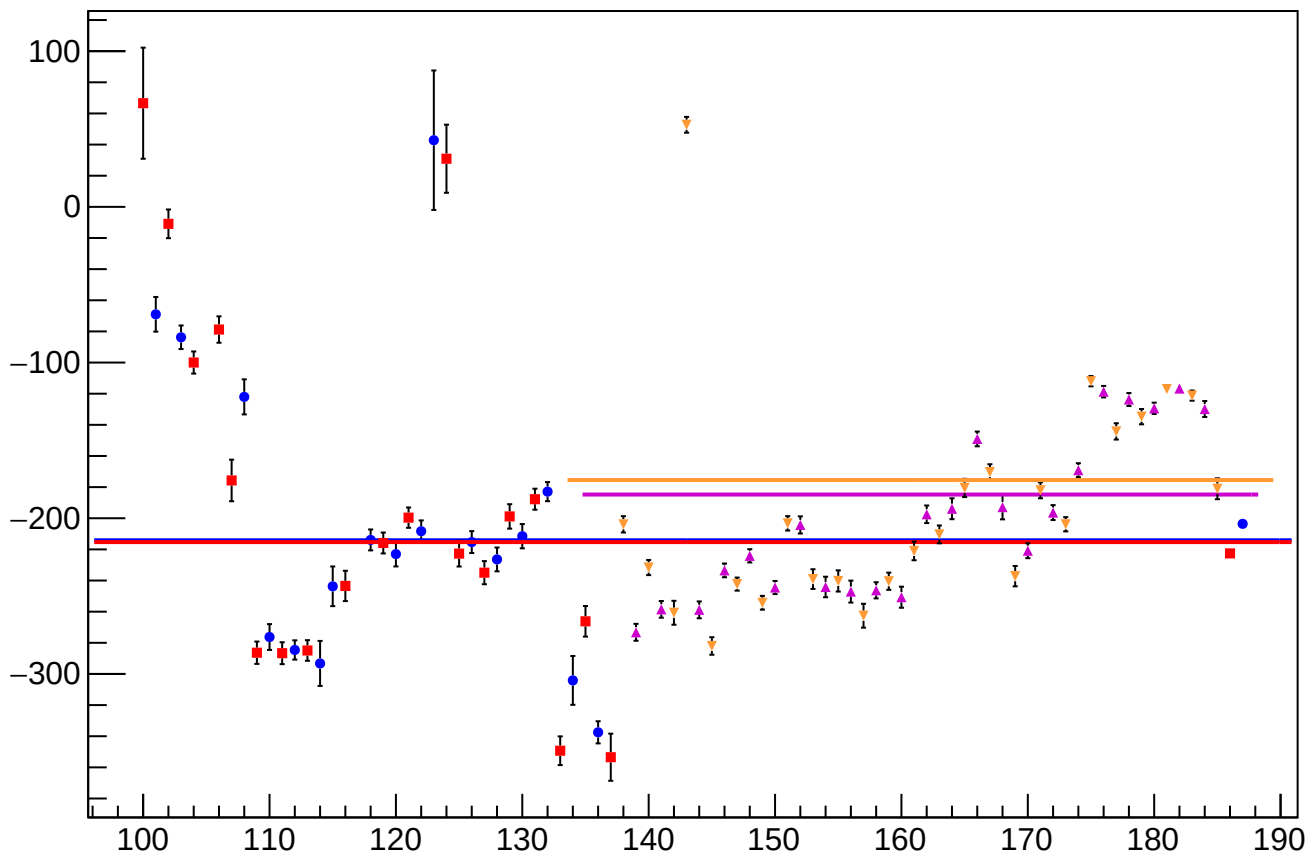
Right: 9.749+/-0.728 χ^2/NDF : 720.3/37

In: 7.760+/-0.623 χ^2/NDF :646.6/40

Out: 6.169+/-0.605 χ^2/NDF :697.5/44

All: 6.941+/-0.434 χ^2/NDF : 1347.5/85

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -214.147 $\pm$ 1.665 χ^2 /NDF: 1164.8/17

Left Out: -175.470 $\pm$ 0.974 χ^2 /NDF: 5103.8/24

Right Out: -215.304 $\pm$ 1.593 χ^2 /NDF: 1895.7/19

Left In: -184.774 $\pm$ 0.987 χ^2 /NDF: 3082.4/22

Left: -180.060 $\pm$ 0.693 χ^2 /NDF: 8231.2/47

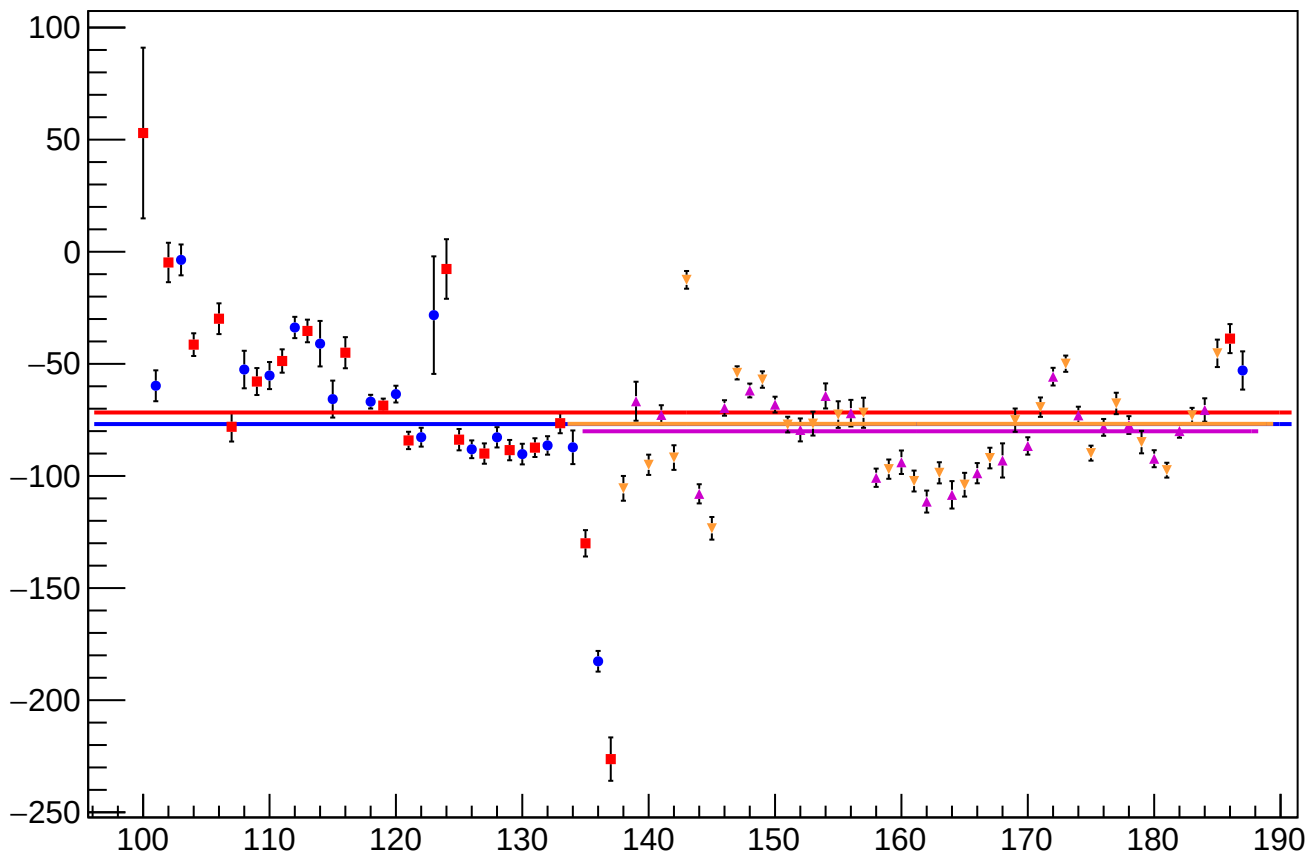
Right: -214.751 $\pm$ 1.151 χ^2 /NDF: 3060.8/37

In: -192.412 $\pm$ 0.849 χ^2 /NDF: 4477.6/40

Out: -186.302 $\pm$ 0.831 χ^2 /NDF: 7454.5/44

All: -189.292 $\pm$ 0.594 χ^2 /NDF: 11958.6/85

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -76.853 ± 1.207 $\chi^2/\text{NDF}: 825.3/17$

Left Out: -76.747 ± 0.861 $\chi^2/\text{NDF}: 746.8/24$

Right Out: -71.688 ± 1.188 $\chi^2/\text{NDF}: 699.7/19$

Left In: -80.068 ± 0.886 $\chi^2/\text{NDF}: 286.8/22$

Left: -78.359 ± 0.617 $\chi^2/\text{NDF}: 1040.8/47$

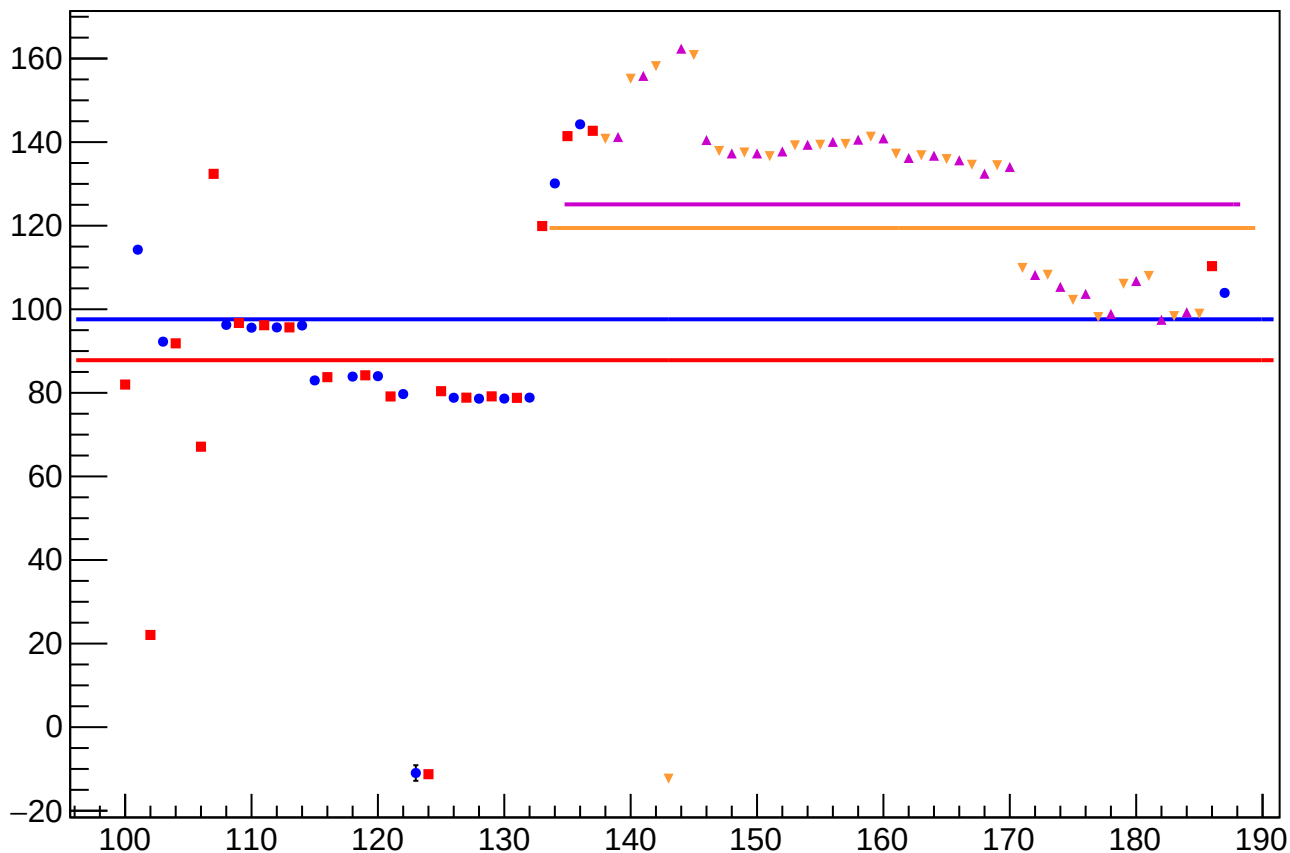
Right: -74.230 ± 0.847 $\chi^2/\text{NDF}: 1534.2/37$

In: -78.942 ± 0.714 $\chi^2/\text{NDF}: 1116.7/40$

Out: -75.006 ± 0.697 $\chi^2/\text{NDF}: 1458.4/44$

All: -76.925 ± 0.499 $\chi^2/\text{NDF}: 2590.6/85$

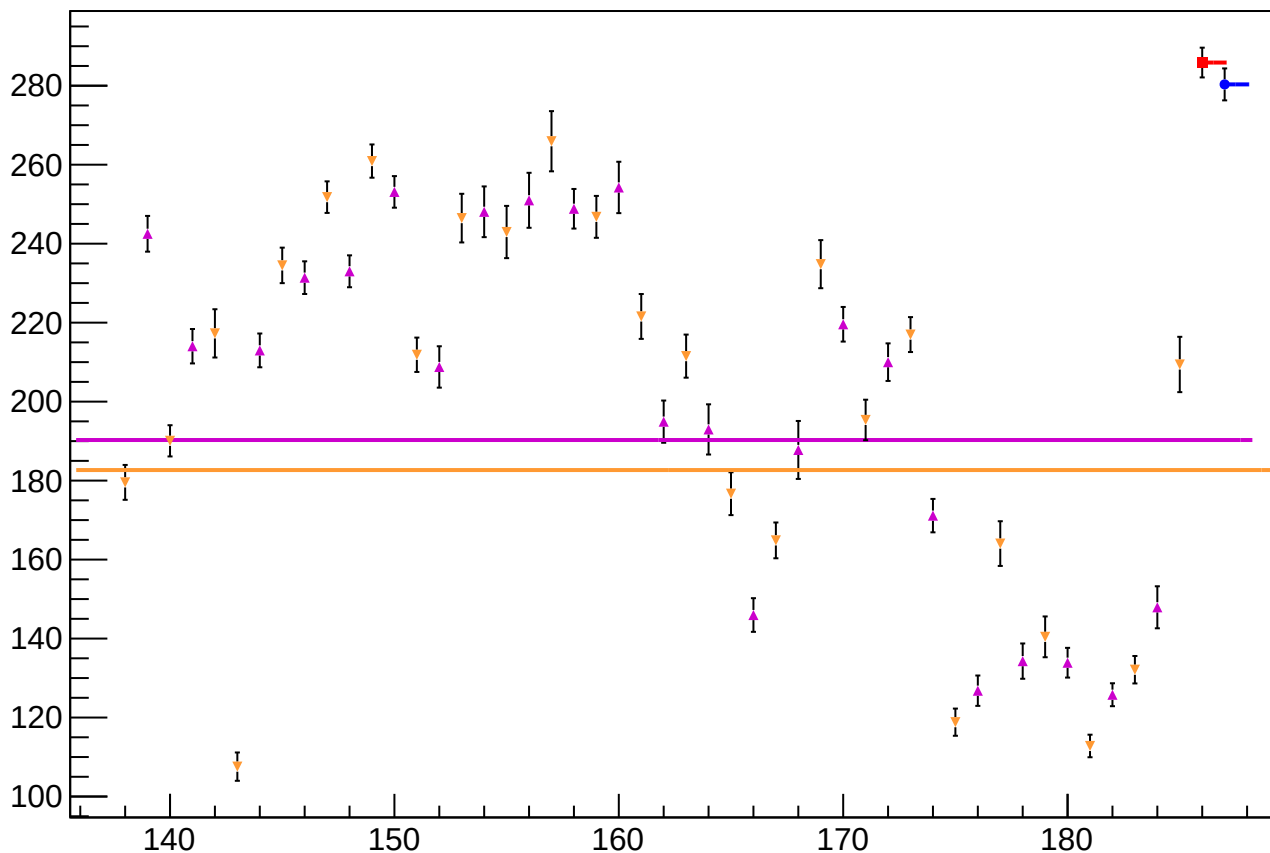
reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.598 $\pm$ 0.072 χ^2 /NDF: 94652.6/17
 Left Out: 119.448 $\pm$ 0.041 χ^2 /NDF: 660075.8/24
 Right Out: 87.812 $\pm$ 0.067 χ^2 /NDF: 224291.6/19
 Left In: 125.101 $\pm$ 0.041 χ^2 /NDF: 222793.3/22

Left: 122.242 $\pm$ 0.029 χ^2 /NDF: 892441.6/47
 Right: 92.360 $\pm$ 0.049 χ^2 /NDF: 328714.0/37
 In: 118.403 $\pm$ 0.036 χ^2 /NDF: 426515.7/40
 Out: 111.035 $\pm$ 0.035 χ^2 /NDF: 1045617.2/44
 All: 114.621 $\pm$ 0.025 χ^2 /NDF: 1493940.9/85

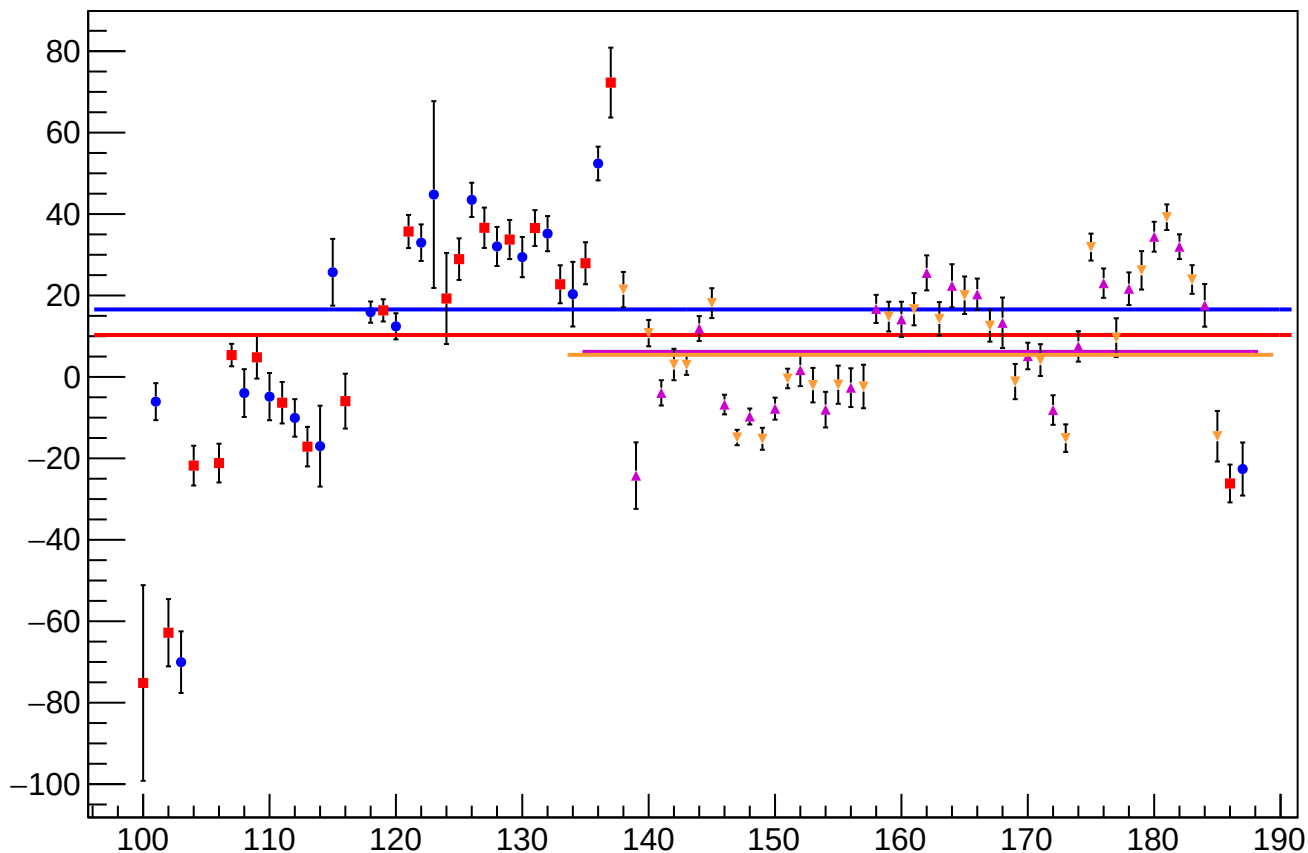
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 280.334 $\pm$ 4.047 χ^2 /NDF: 0.0/0
 Left Out: 182.672 $\pm$ 0.919 χ^2 /NDF:3230.7/24
 Right Out: 285.865 $\pm$ 3.768 χ^2 /NDF: 0.0/0
 Left In: 190.279 $\pm$ 0.949 χ^2 /NDF:2452.9/22

Left: 186.352 $\pm$ 0.660 χ^2 /NDF: 5716.7/47
 Right: 283.297 $\pm$ 2.758 χ^2 /NDF: 1.0/1
 In: 194.972 $\pm$ 0.924 χ^2 /NDF:2922.2/23
 Out: 188.460 $\pm$ 0.892 χ^2 /NDF:3938.7/25
 All: 191.604 $\pm$ 0.642 χ^2 /NDF: 6886.6/49

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.573+/-1.129 χ^2/NDF : 432.4/17

Left Out: 5.425+/-0.693 χ^2/NDF : 525.2/24

Right Out: 10.299+/-1.057 χ^2/NDF : 508.8/19

Left In: 6.151+/-0.730 χ^2/NDF : 410.6/22

Left: 5.769+/-0.502 χ^2/NDF : 936.2/47

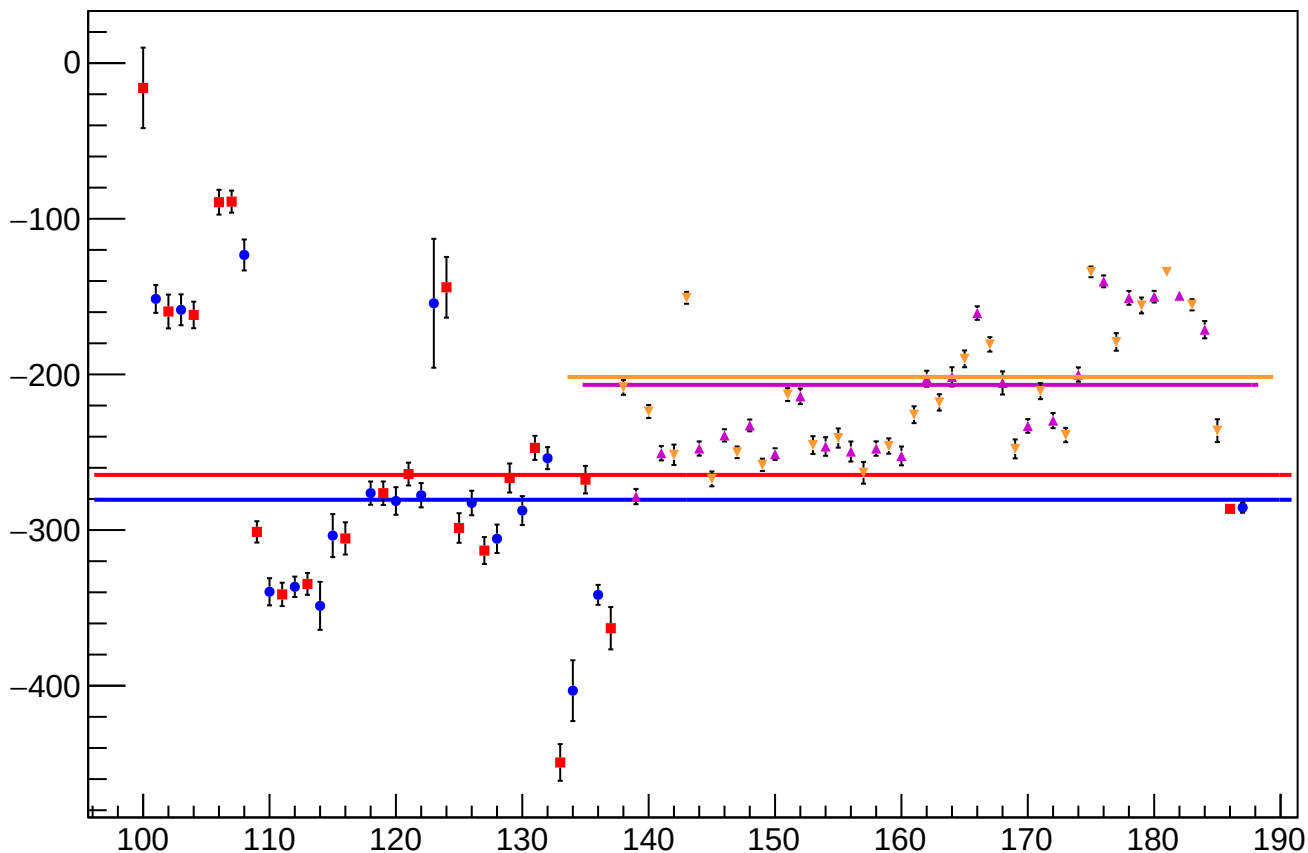
Right: 13.230+/-0.772 χ^2/NDF : 957.7/37

In: 9.223+/-0.613 χ^2/NDF : 903.1/40

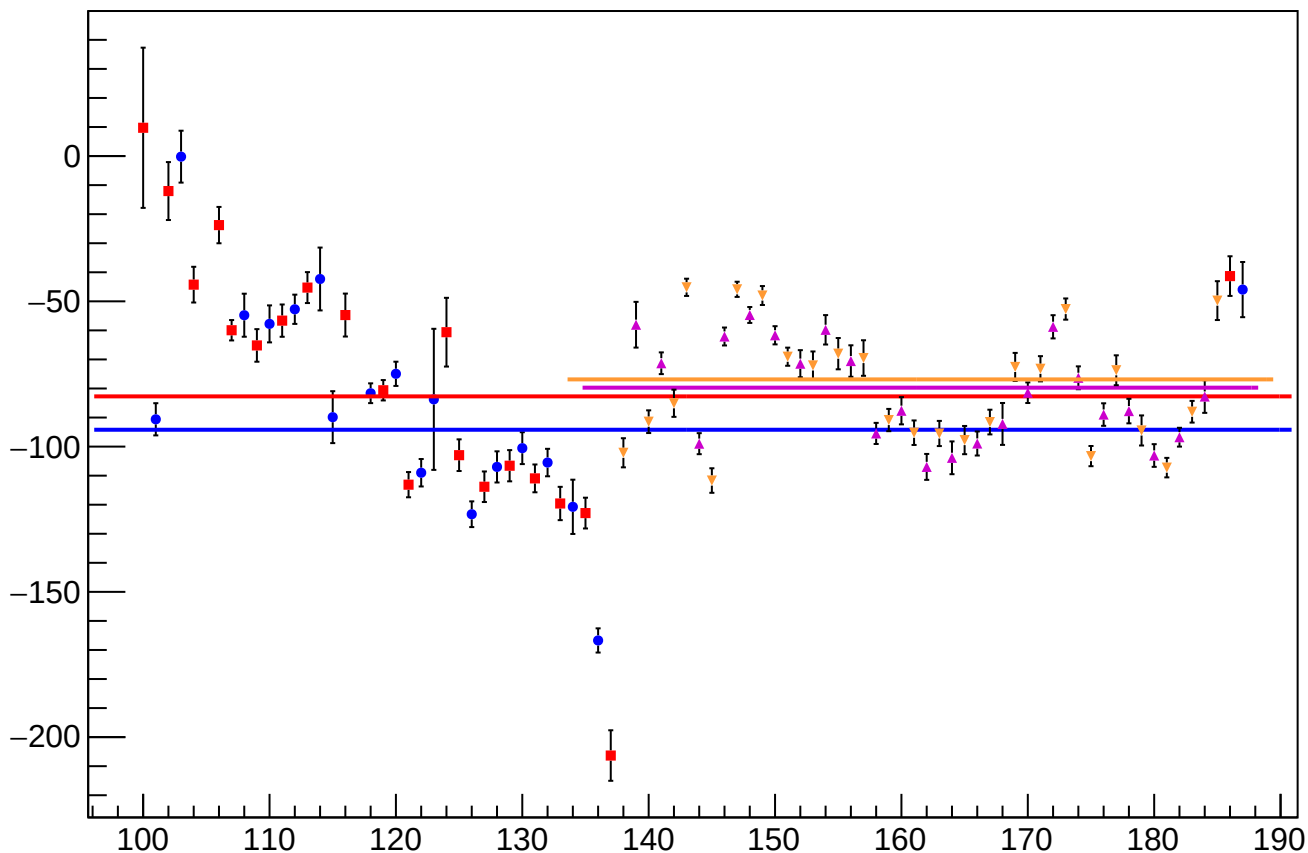
Out: 6.889+/-0.579 χ^2/NDF : 1048.8/44

All: 7.990+/-0.421 χ^2/NDF : 1959.6/85

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -94.200 ± 1.310 χ^2/NDF : 701.2/17

Left Out: -76.870 ± 0.802 χ^2/NDF : 758.7/24

Right Out: -82.716 ± 1.238 χ^2/NDF : 820.9/19

Left In: -79.719 ± 0.837 χ^2/NDF : 415.2/22

Left: -78.232 ± 0.579 χ^2/NDF : 1179.9/47

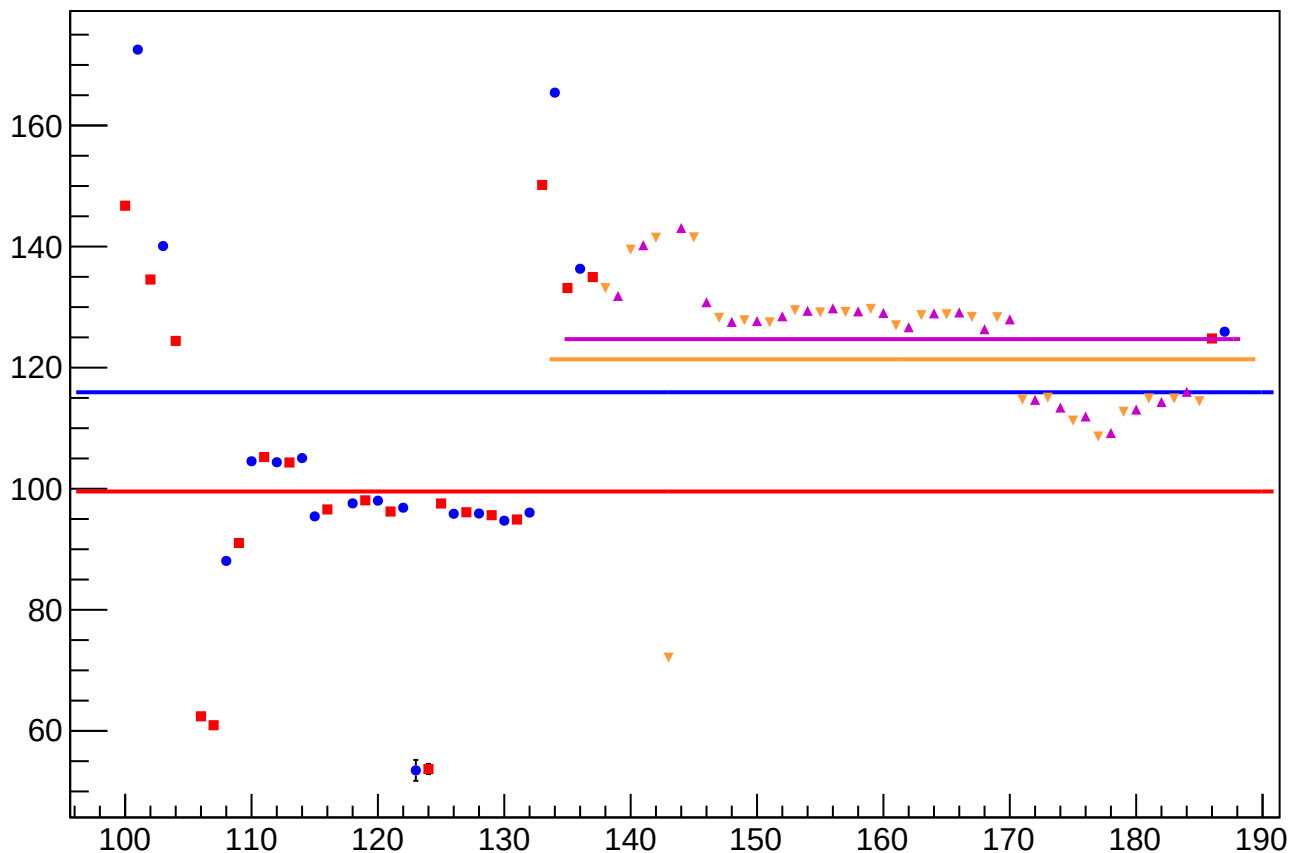
Right: -88.133 ± 0.900 χ^2/NDF : 1562.7/37

In: -83.921 ± 0.706 χ^2/NDF : 1203.1/40

Out: -78.598 ± 0.673 χ^2/NDF : 1595.4/44

All: -81.133 ± 0.487 χ^2/NDF : 2828.3/85

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.934+/-0.077 χ^2/NDF : 106741.9/17

Left Out: 121.385+/-0.038 χ^2/NDF :164871.1/24

Right Out: 99.547+/-0.068 χ^2/NDF : 176198.8/19

Left In: 124.714+/-0.039 χ^2/NDF :51750.7/22

Left: 123.014+/-0.027 χ^2/NDF : 220328.2/47

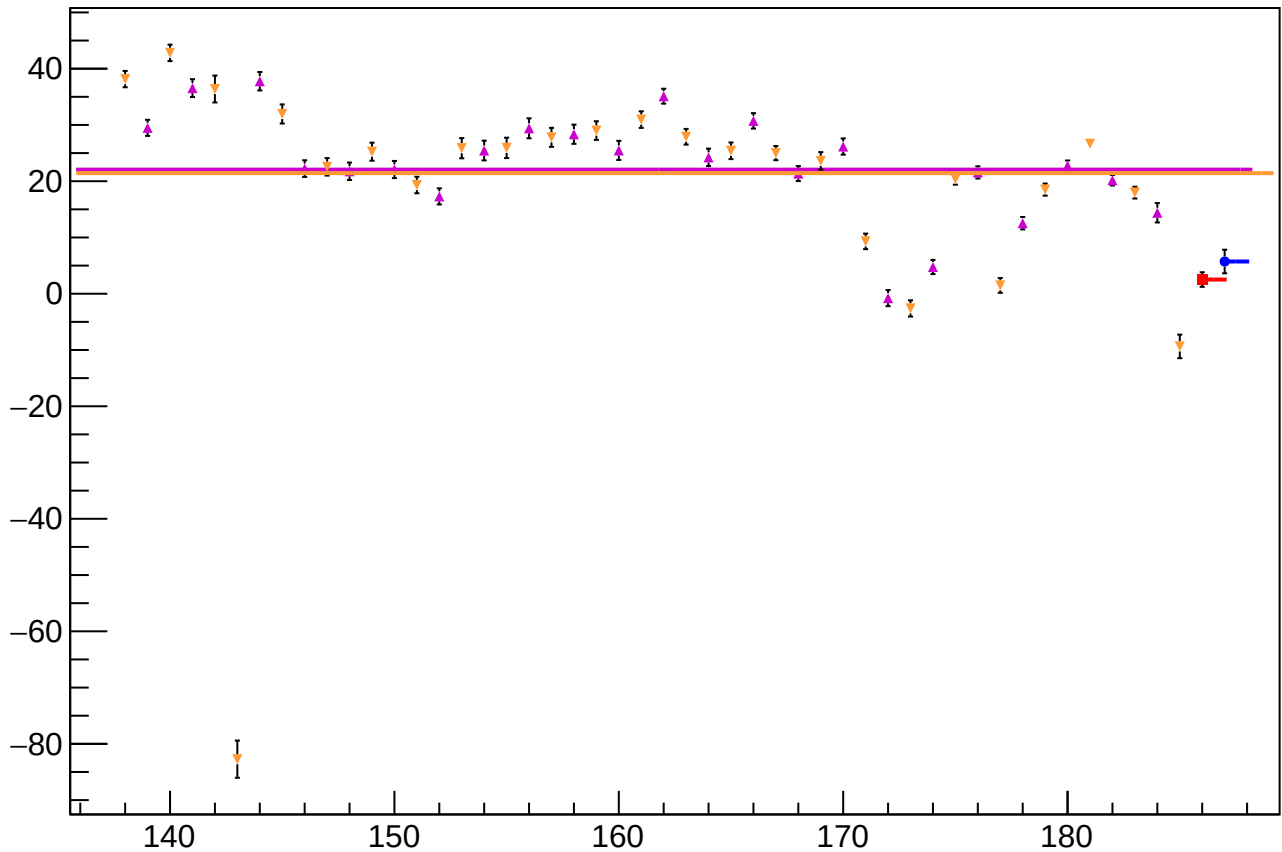
Right: 106.690+/-0.051 χ^2/NDF : 308375.3/37

In: 122.922+/-0.035 χ^2/NDF :168794.5/40

Out: 116.117+/-0.033 χ^2/NDF :419693.9/44

All: 119.365+/-0.024 χ^2/NDF : 608403.5/85

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 5.730 $\pm$ 2.097 χ^2 /NDF: 0.0/0

Left Out: 21.435 $\pm$ 0.283 χ^2 /NDF:2406.2/24

Right Out: 2.522 $\pm$ 1.295 χ^2 /NDF: 0.0/0

Left In: 22.055 $\pm$ 0.284 χ^2 /NDF:941.3/22

Left: 21.743 $\pm$ 0.200 χ^2 /NDF: 3349.9/47

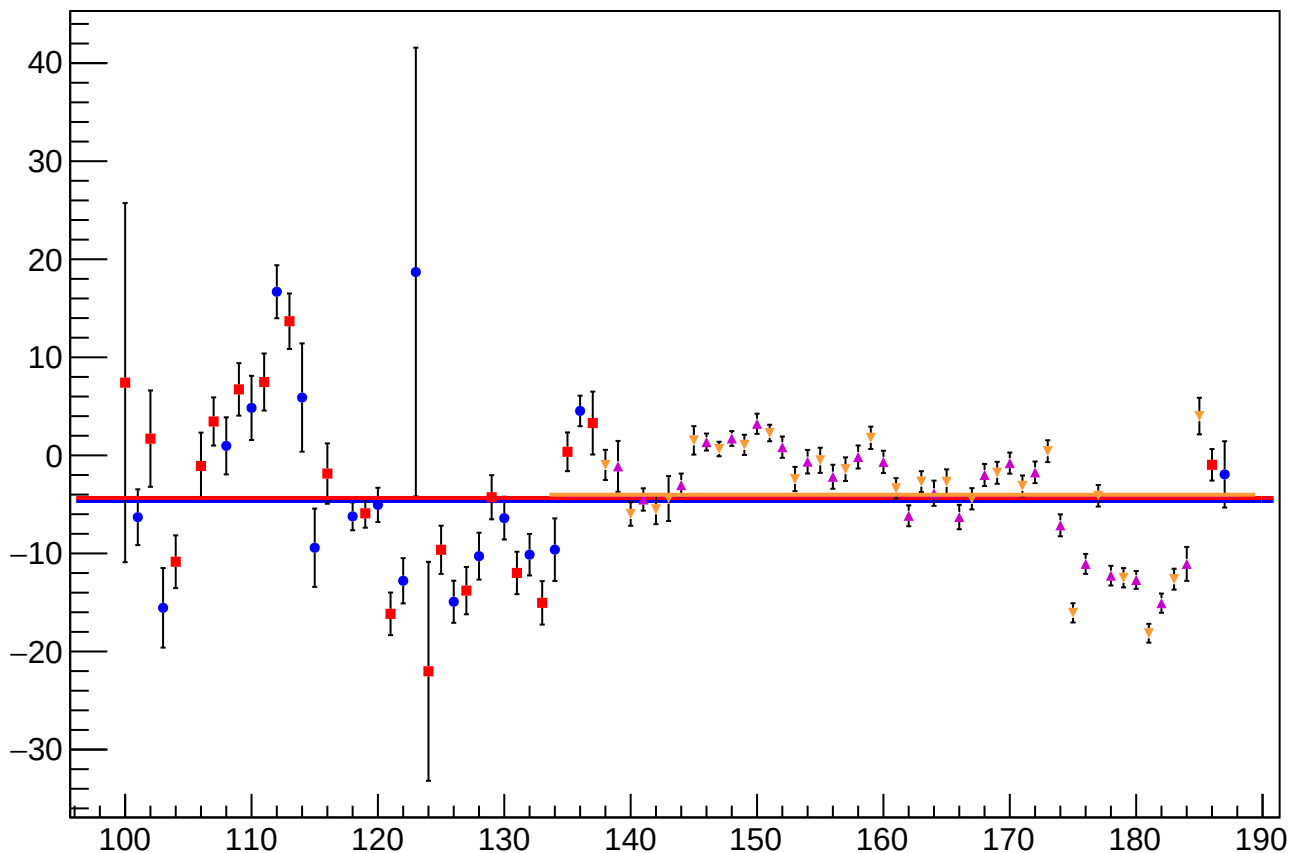
Right: 3.408 $\pm$ 1.102 χ^2 /NDF: 1.7/1

In: 21.760 $\pm$ 0.282 χ^2 /NDF:1000.8/23

Out: 20.575 $\pm$ 0.276 χ^2 /NDF:2609.8/25

All: 21.156 $\pm$ 0.197 χ^2 /NDF: 3619.6/49

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.650 ± 0.571 χ^2/NDF : 175.5/17

Left Out: -4.015 ± 0.223 χ^2/NDF : 731.7/24

Right Out: -4.344 ± 0.550 χ^2/NDF : 198.5/19

Left In: -4.069 ± 0.227 χ^2/NDF : 580.1/22

Left: -4.042 ± 0.159 χ^2/NDF : 1311.8/47

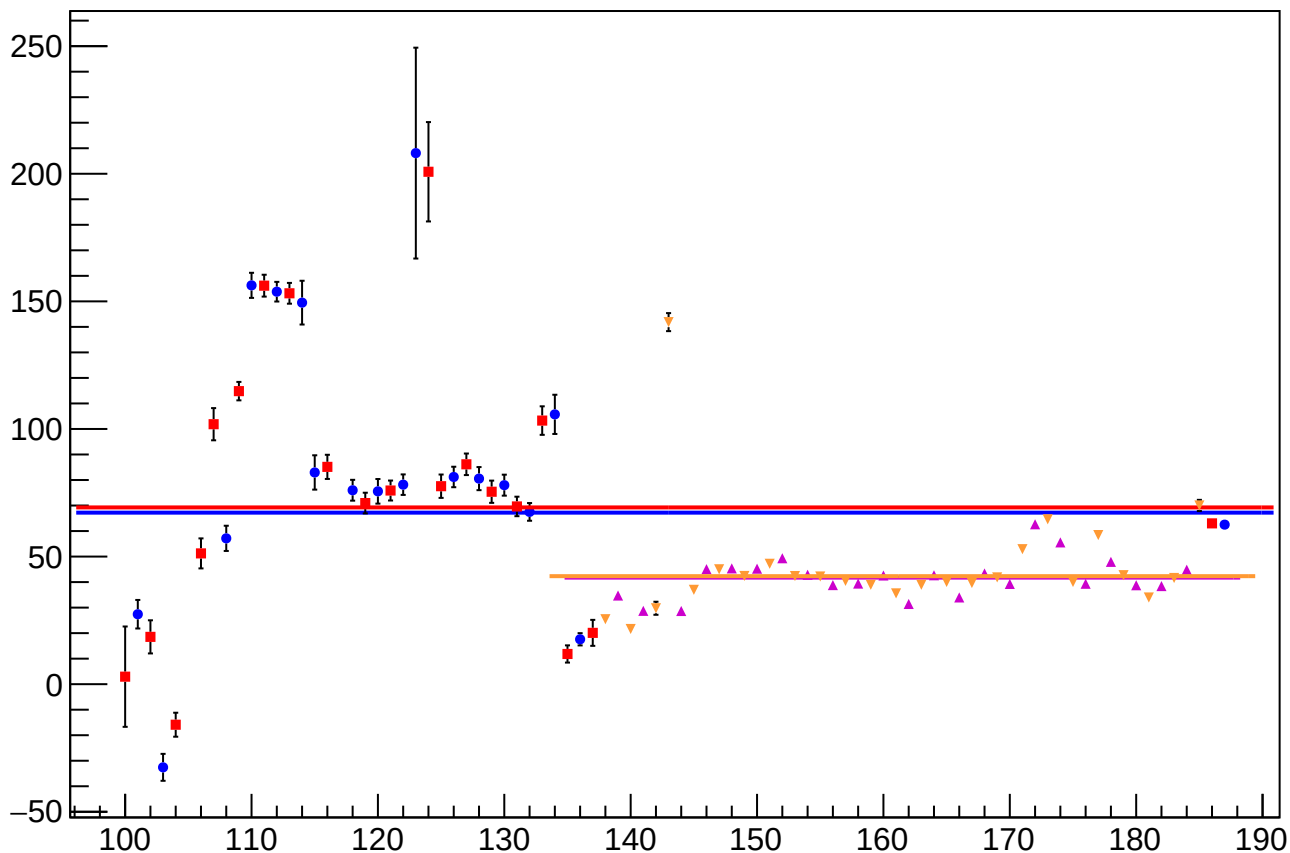
Right: -4.491 ± 0.396 χ^2/NDF : 374.1/37

In: -4.149 ± 0.211 χ^2/NDF : 756.5/40

Out: -4.062 ± 0.207 χ^2/NDF : 930.4/44

All: -4.104 ± 0.148 χ^2/NDF : 1687.0/85

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 67.214 ± 0.913 χ^2/NDF : 1858.2/17

Left Out: 42.322 ± 0.282 χ^2/NDF : 1855.5/24

Right Out: 69.259 ± 0.745 χ^2/NDF : 1969.4/19

Left In: 41.755 ± 0.283 χ^2/NDF : 659.6/22

Left: 42.039 ± 0.200 χ^2/NDF : 2517.1/47

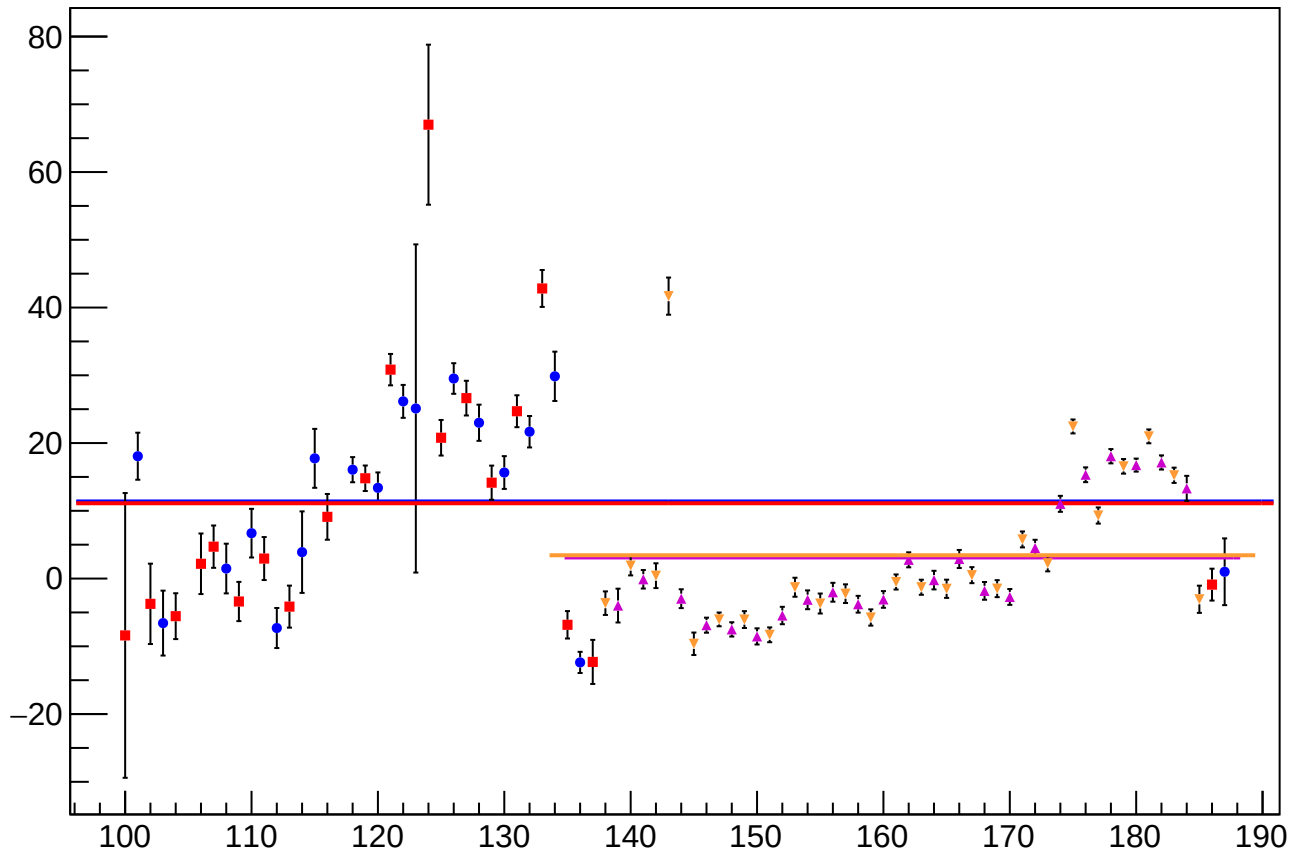
Right: 68.441 ± 0.577 χ^2/NDF : 3830.6/37

In: 43.986 ± 0.270 χ^2/NDF : 3227.1/40

Out: 45.697 ± 0.264 χ^2/NDF : 4967.5/44

All: 44.863 ± 0.189 χ^2/NDF : 8215.1/85

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.380 ± 0.652 χ^2/NDF : 482.7/17

Left Out: 3.439 ± 0.252 χ^2/NDF : 1647.7/24

Right Out: 11.114 ± 0.640 χ^2/NDF : 571.4/19

Left In: 3.114 ± 0.256 χ^2/NDF : 1273.1/22

Left: 3.279 ± 0.180 χ^2/NDF : 2921.5/47

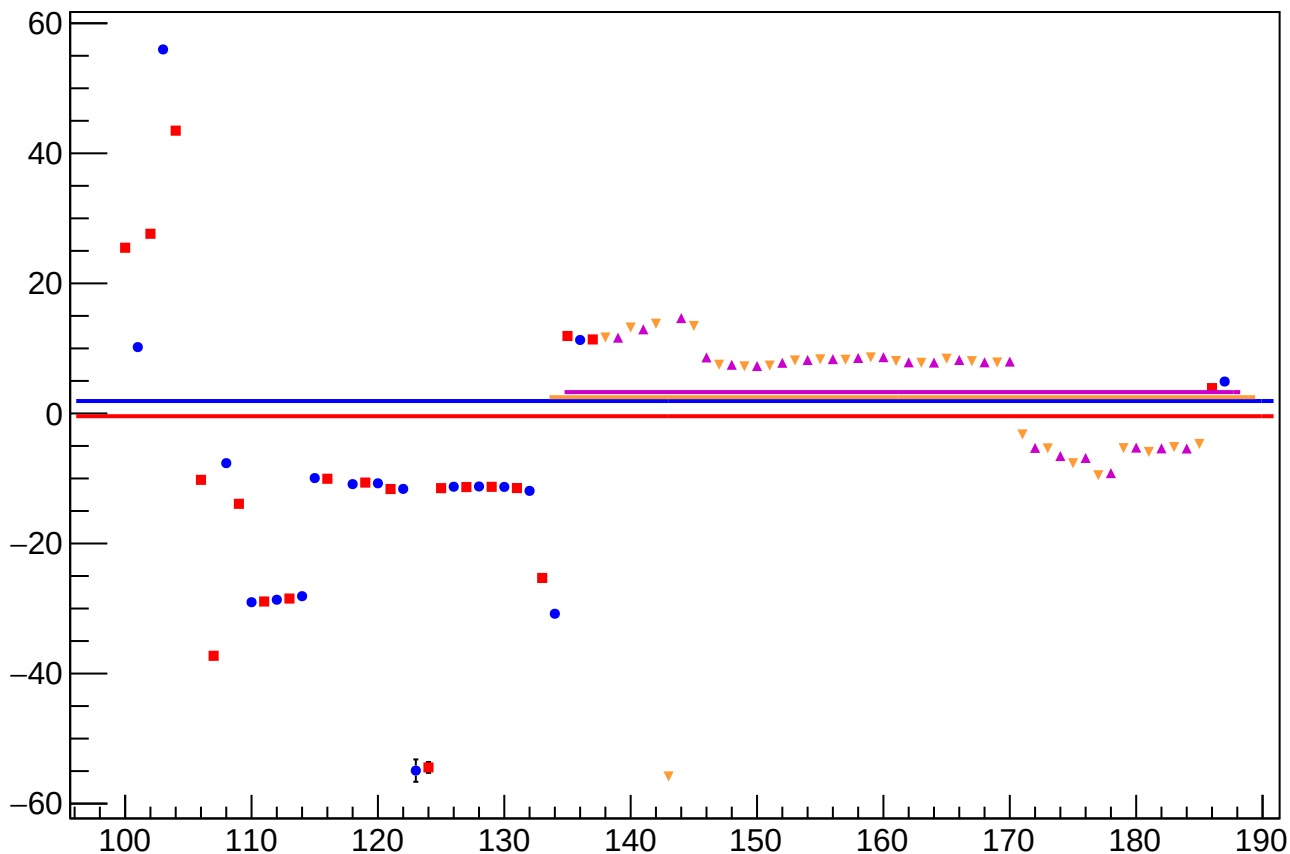
Right: 11.244 ± 0.457 χ^2/NDF : 1054.3/37

In: 4.219 ± 0.239 χ^2/NDF : 1894.9/40

Out: 4.474 ± 0.235 χ^2/NDF : 2343.7/44

All: 4.349 ± 0.167 χ^2/NDF : 4239.1/85

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.909 $\pm$ 0.037 χ^2 /NDF: 359532.7/17

Left Out: 2.497 $\pm$ 0.012 χ^2 /NDF:588138.5/24

Right Out: -0.427 $\pm$ 0.036 χ^2 /NDF: 362341.6/19

Left In: 3.281 $\pm$ 0.012 χ^2 /NDF:409605.3/22

Left: 2.888 $\pm$ 0.008 χ^2 /NDF: 1000035.7/47

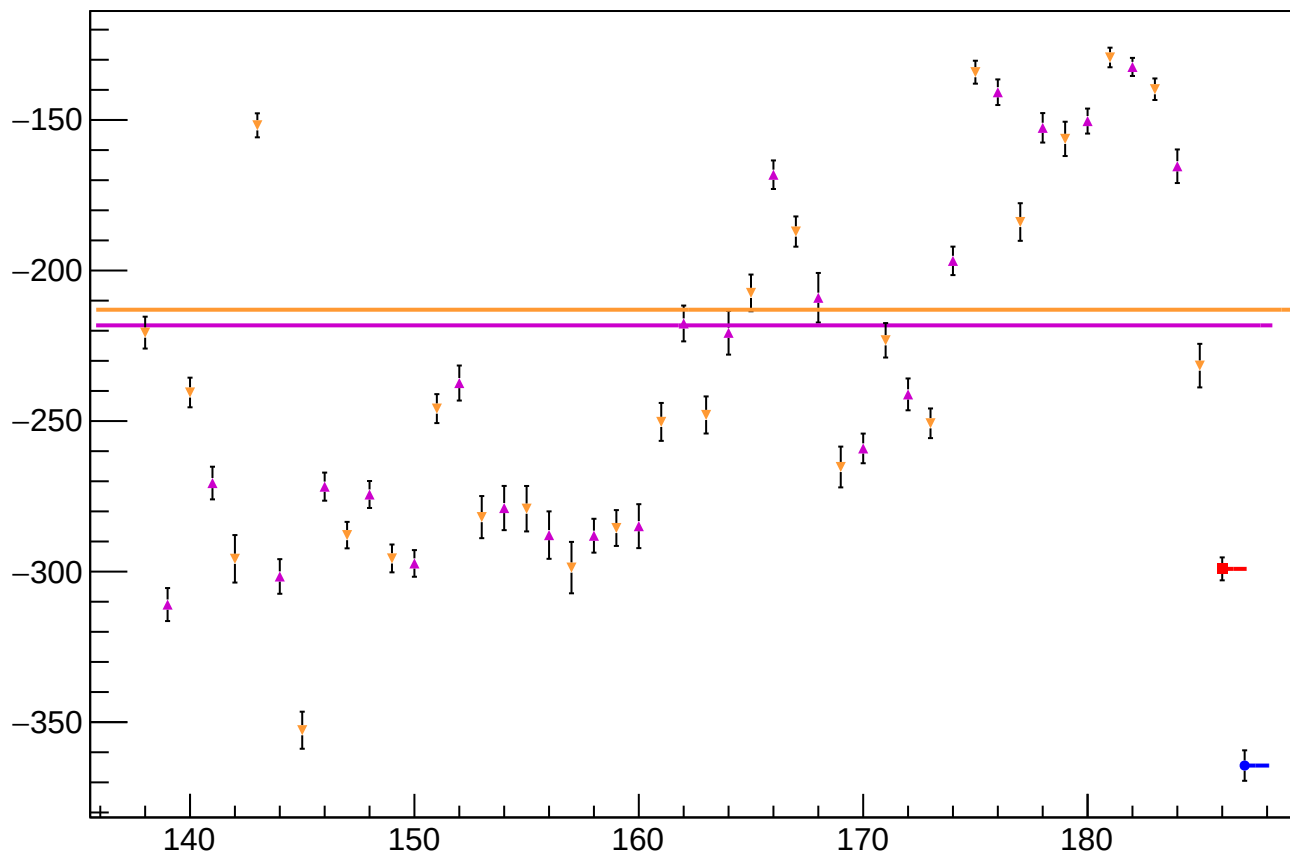
Right: 0.724 $\pm$ 0.026 χ^2 /NDF: 723931.9/37

In: 3.156 $\pm$ 0.011 χ^2 /NDF:770411.1/40

Out: 2.225 $\pm$ 0.011 χ^2 /NDF:956412.9/44

All: 2.689 $\pm$ 0.008 χ^2 /NDF: 1730379.8/85

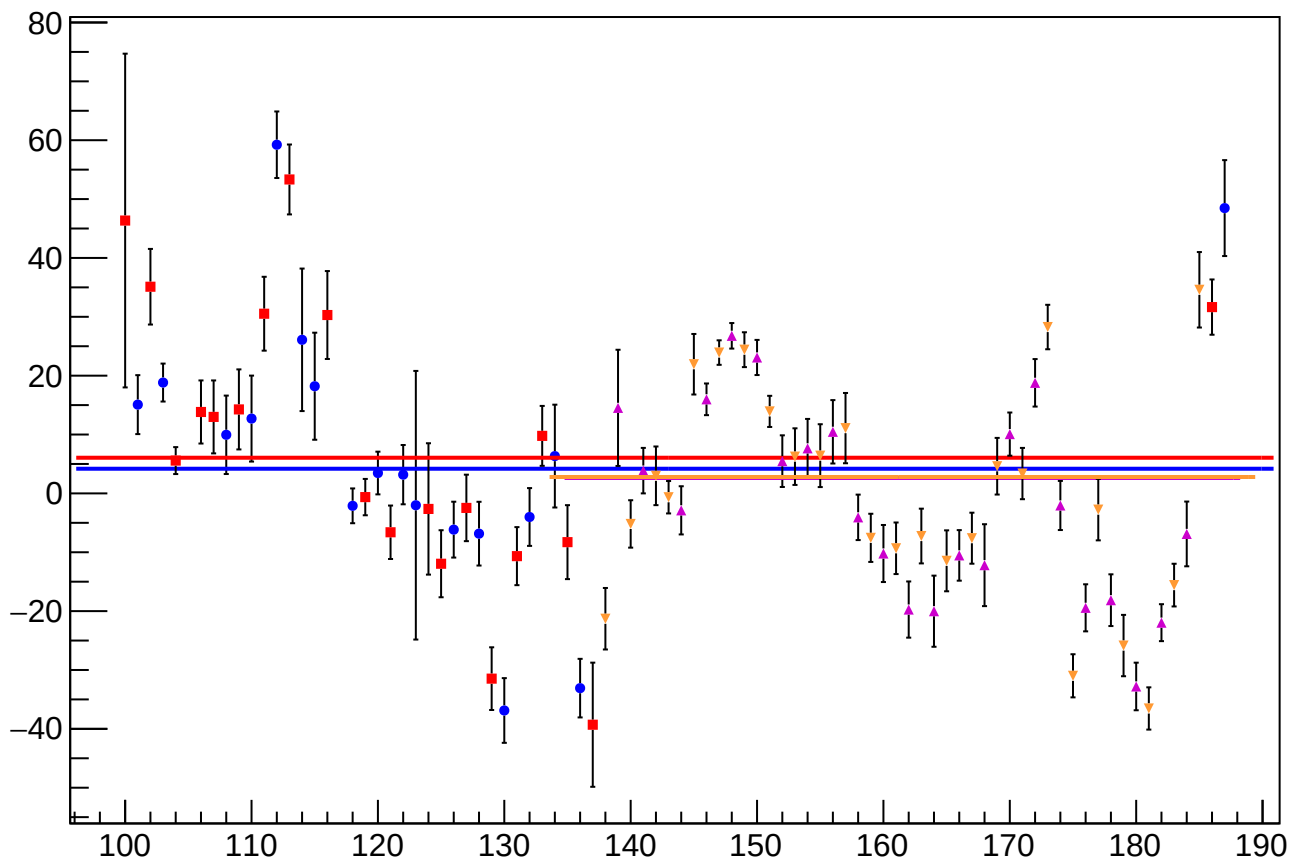
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -364.416+/-5.062 χ^2/NDF : 0.0/0
 Left Out: -213.020+/-1.035 χ^2/NDF : 3826.2/24
 Right Out: -299.089+/-3.810 χ^2/NDF : 0.0/0
 Left In: -218.216+/-1.063 χ^2/NDF : 3499.0/22

Left: -215.550+/-0.742 χ^2/NDF : 7337.5/47
 Right: -322.715+/-3.044 χ^2/NDF : 106.3/1
 In: -224.390+/-1.040 χ^2/NDF : 4298.0/23
 Out: -218.939+/-0.999 χ^2/NDF : 4301.5/25
 All: -221.555+/-0.721 χ^2/NDF : 8613.7/49

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.189 ± 1.212 $\chi^2/\text{NDF}: 285.8/17$

Left Out: 2.786 ± 0.780 $\chi^2/\text{NDF}: 582.0/24$

Right Out: 6.059 ± 1.126 $\chi^2/\text{NDF}: 256.9/19$

Left In: 2.619 ± 0.821 $\chi^2/\text{NDF}: 477.6/22$

Left: 2.707 ± 0.565 $\chi^2/\text{NDF}: 1059.7/47$

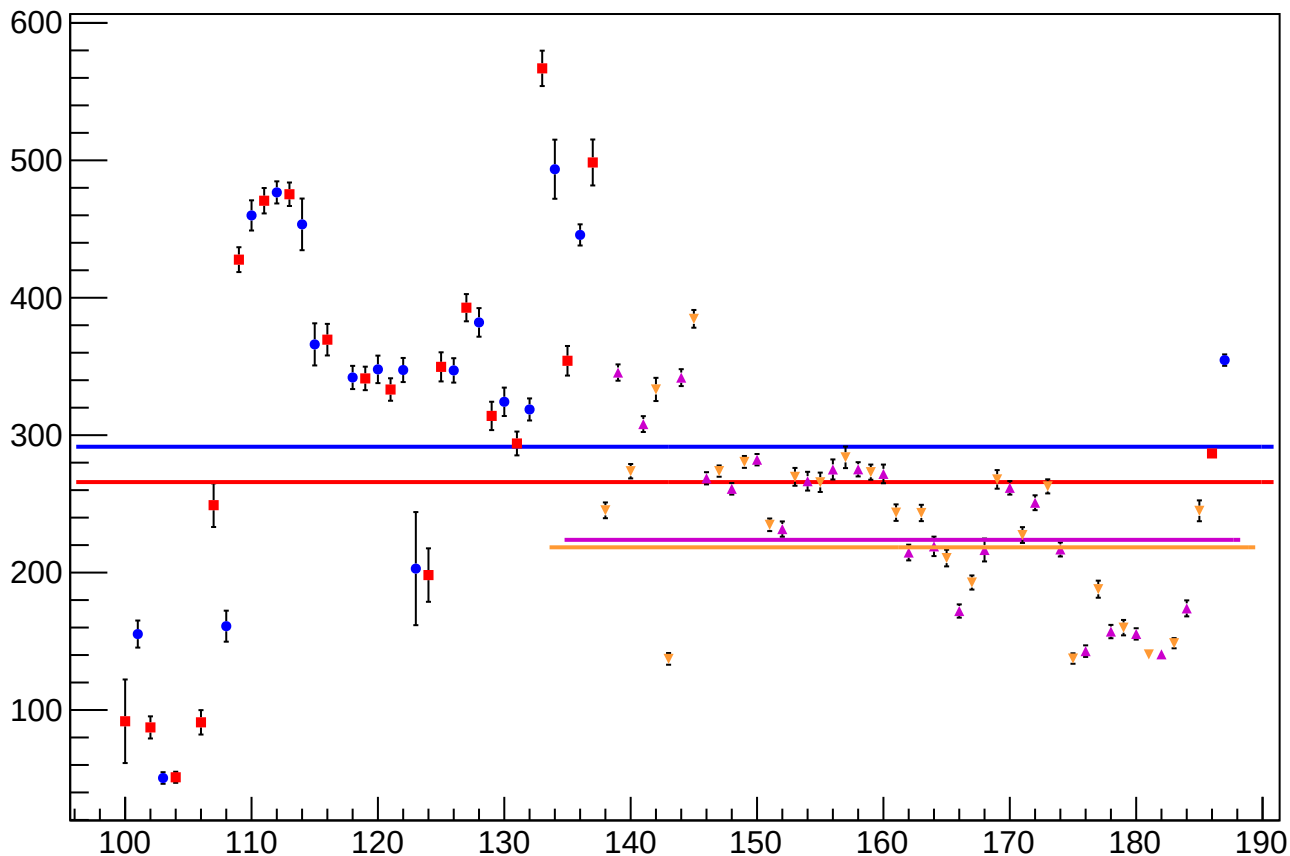
Right: 5.193 ± 0.825 $\chi^2/\text{NDF}: 544.1/37$

In: 3.113 ± 0.679 $\chi^2/\text{NDF}: 764.6/40$

Out: 3.848 ± 0.641 $\chi^2/\text{NDF}: 844.7/44$

All: 3.501 ± 0.466 $\chi^2/\text{NDF}: 1609.9/85$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 291.580 $\pm$ 1.938 χ^2 /NDF: 5405.6/17

Left Out: 218.389 $\pm$ 1.038 χ^2 /NDF:3696.7/24

Right Out: 265.864 $\pm$ 1.717 χ^2 /NDF: 6513.0/19

Left In: 223.827 $\pm$ 1.058 χ^2 /NDF:3444.7/22

Left: 221.054 $\pm$ 0.741 χ^2 /NDF: 7154.8/47

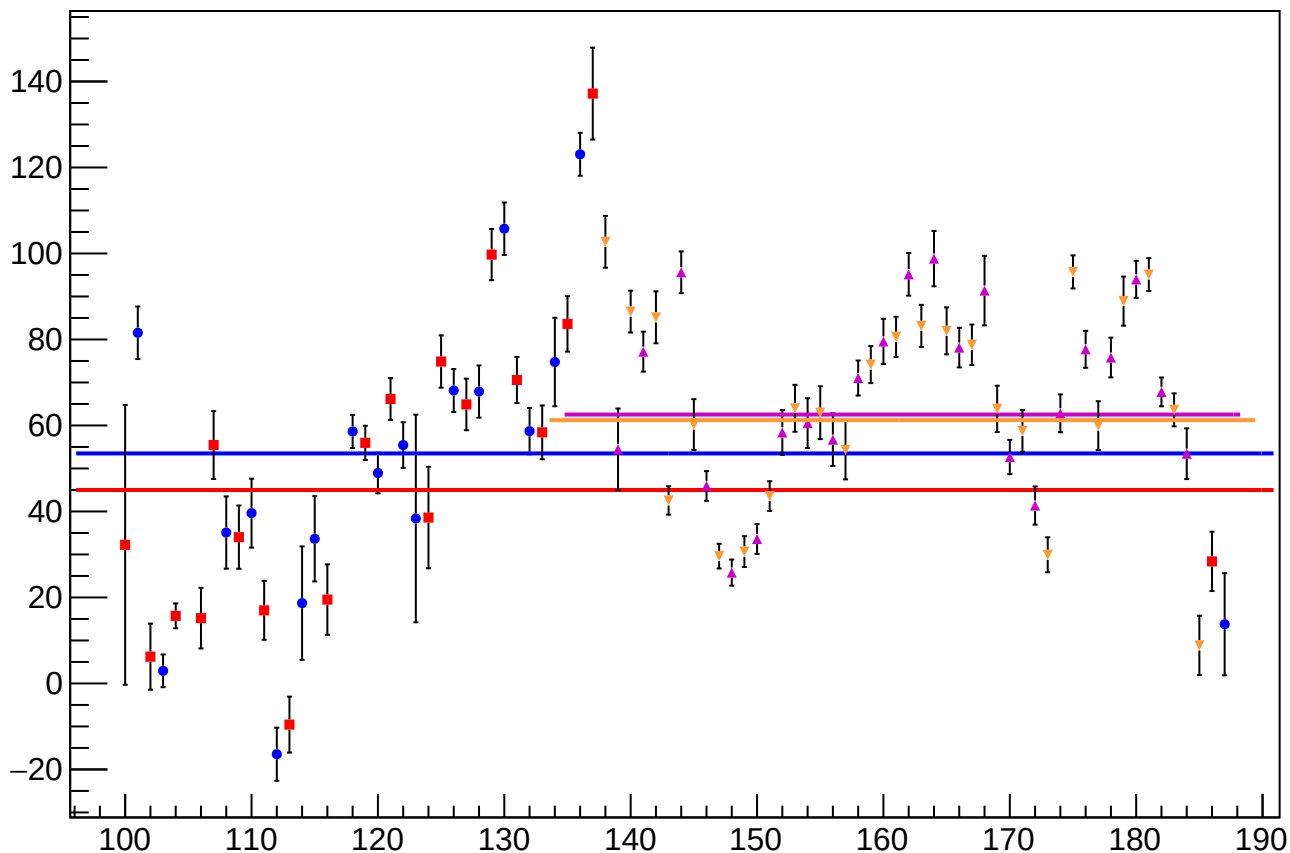
Right: 277.169 $\pm$ 1.285 χ^2 /NDF: 12017.3/37

In: 239.389 $\pm$ 0.929 χ^2 /NDF:9791.4/40

Out: 231.093 $\pm$ 0.888 χ^2 /NDF:10769.8/44

All: 235.055 $\pm$ 0.642 χ^2 /NDF: 20602.9/85

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.497 $\pm$ 1.410 χ^2 /NDF: 645.7/17

Left Out: 61.240 $\pm$ 0.903 χ^2 /NDF:718.8/24

Right Out: 44.992 $\pm$ 1.333 χ^2 /NDF: 536.8/19

Left In: 62.538 $\pm$ 0.940 χ^2 /NDF:520.0/22

Left: 61.862 $\pm$ 0.651 χ^2 /NDF: 1239.8/47

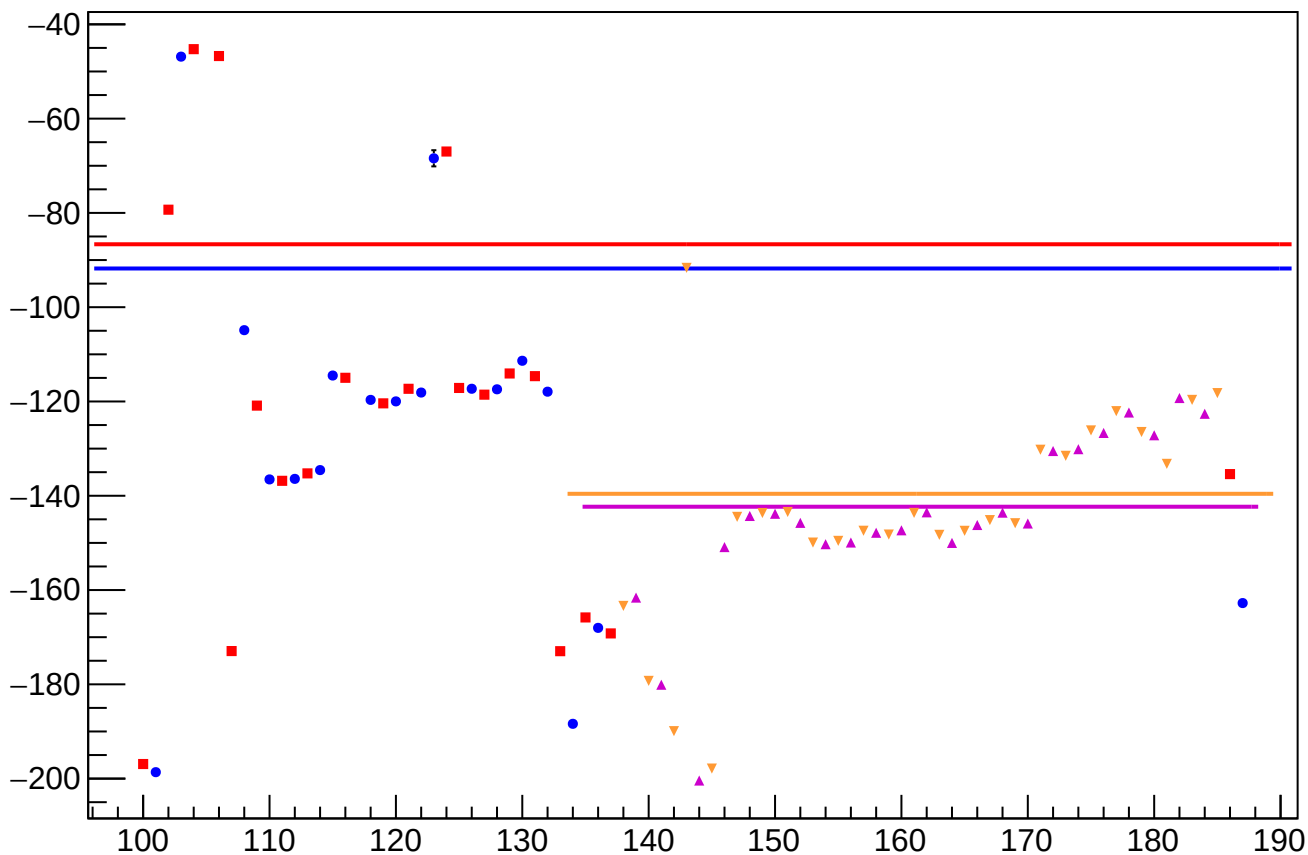
Right: 49.006 $\pm$ 0.969 χ^2 /NDF: 1201.7/37

In: 59.756 $\pm$ 0.782 χ^2 /NDF:1194.2/40

Out: 56.135 $\pm$ 0.747 χ^2 /NDF:1357.5/44

All: 57.863 $\pm$ 0.540 χ^2 /NDF: 2562.8/85

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.790 ± 0.067 $\chi^2/\text{NDF}: 545916.8/17$

Left Out: -139.585 ± 0.043 $\chi^2/\text{NDF}: 243895.1/24$

Right Out: -86.652 ± 0.064 $\chi^2/\text{NDF}: 505856.2/19$

Left In: -142.326 ± 0.044 $\chi^2/\text{NDF}: 144642.3/22$

Left: -140.930 ± 0.031 $\chi^2/\text{NDF}: 390521.6/47$

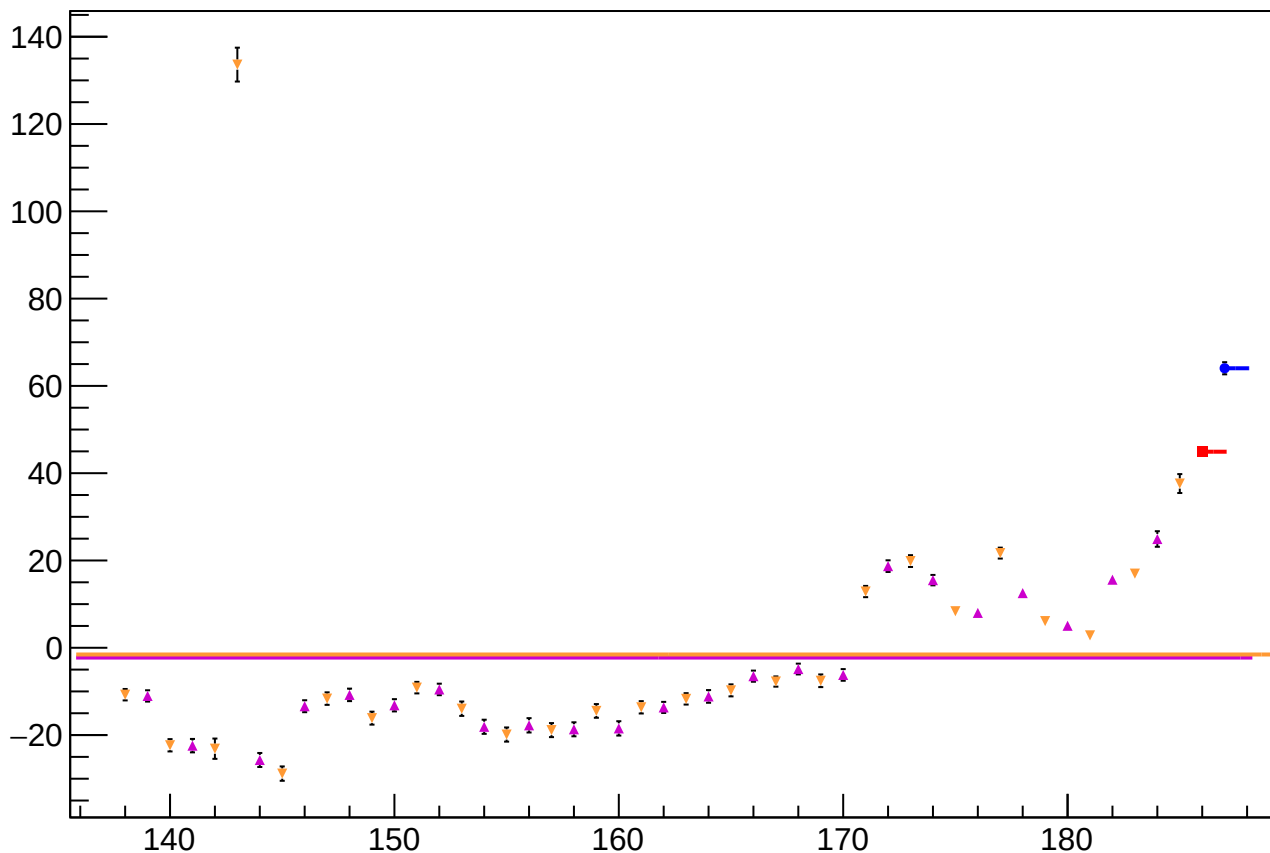
Right: -89.116 ± 0.047 $\chi^2/\text{NDF}: 1054817.1/37$

In: -127.204 ± 0.037 $\chi^2/\text{NDF}: 1086962.8/40$

Out: -123.239 ± 0.036 $\chi^2/\text{NDF}: 1215526.0/44$

All: -125.171 ± 0.026 $\chi^2/\text{NDF}: 2308454.4/85$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 64.039+/-1.393 χ^2/NDF : 0.0/0

Left Out: -1.540+/-0.268 χ^2/NDF : 4129.1/24

Right Out: 44.920+/-0.865 χ^2/NDF : 0.0/0

Left In: -2.244+/-0.270 χ^2/NDF : 2561.6/22

Left: -1.890+/-0.190 χ^2/NDF : 6694.2/47

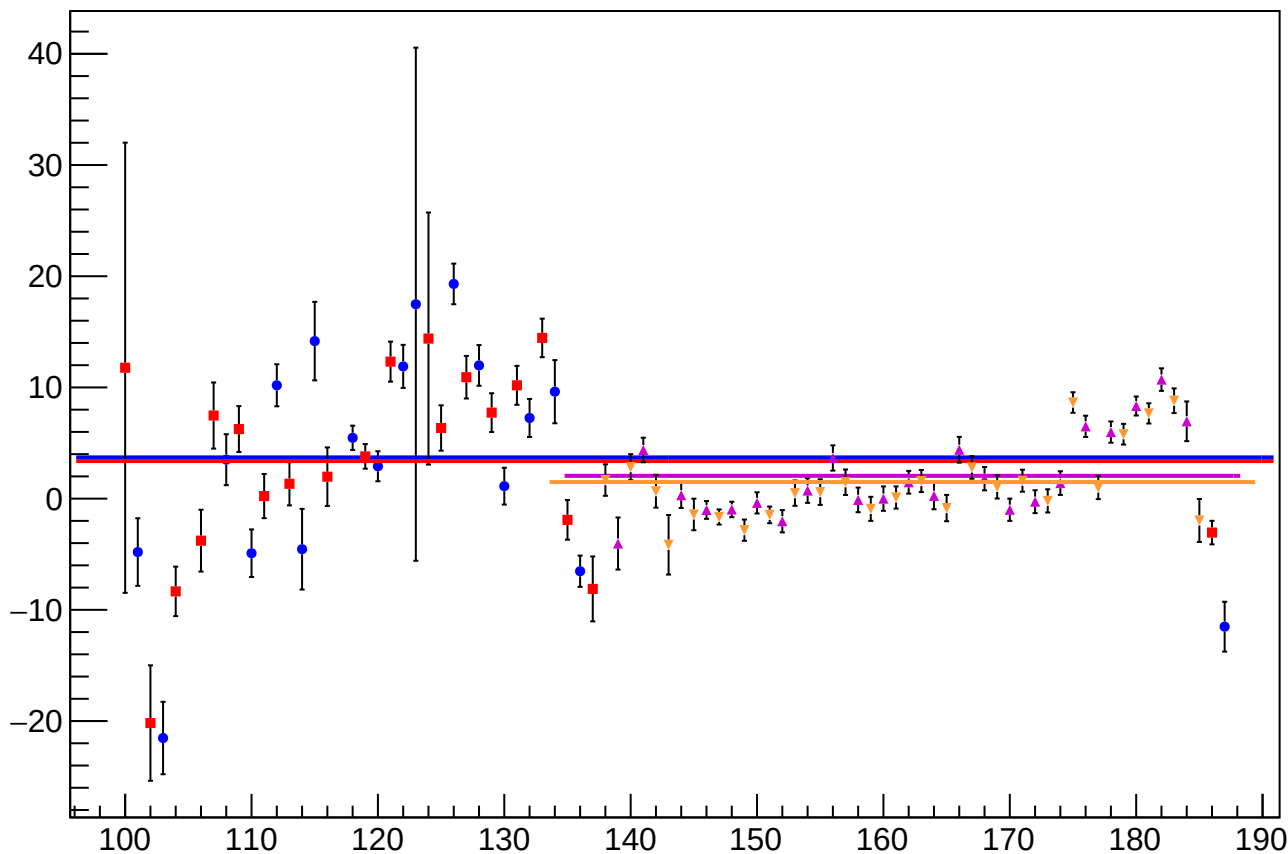
Right: 50.239+/-0.735 χ^2/NDF : 136.0/1

In: 0.149+/-0.265 χ^2/NDF : 4744.7/23

Out: 2.524+/-0.256 χ^2/NDF : 6763.4/25

All: 1.377+/-0.184 χ^2/NDF : 11549.7/49

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.708 $\pm$ 0.455 χ^2 /NDF: 334.6/17

Left Out: 1.492 $\pm$ 0.210 χ^2 /NDF:258.3/24

Right Out: 3.381 $\pm$ 0.433 χ^2 /NDF: 229.7/19

Left In: 2.051 $\pm$ 0.215 χ^2 /NDF:275.4/22

Left: 1.766 $\pm$ 0.150 χ^2 /NDF: 537.2/47

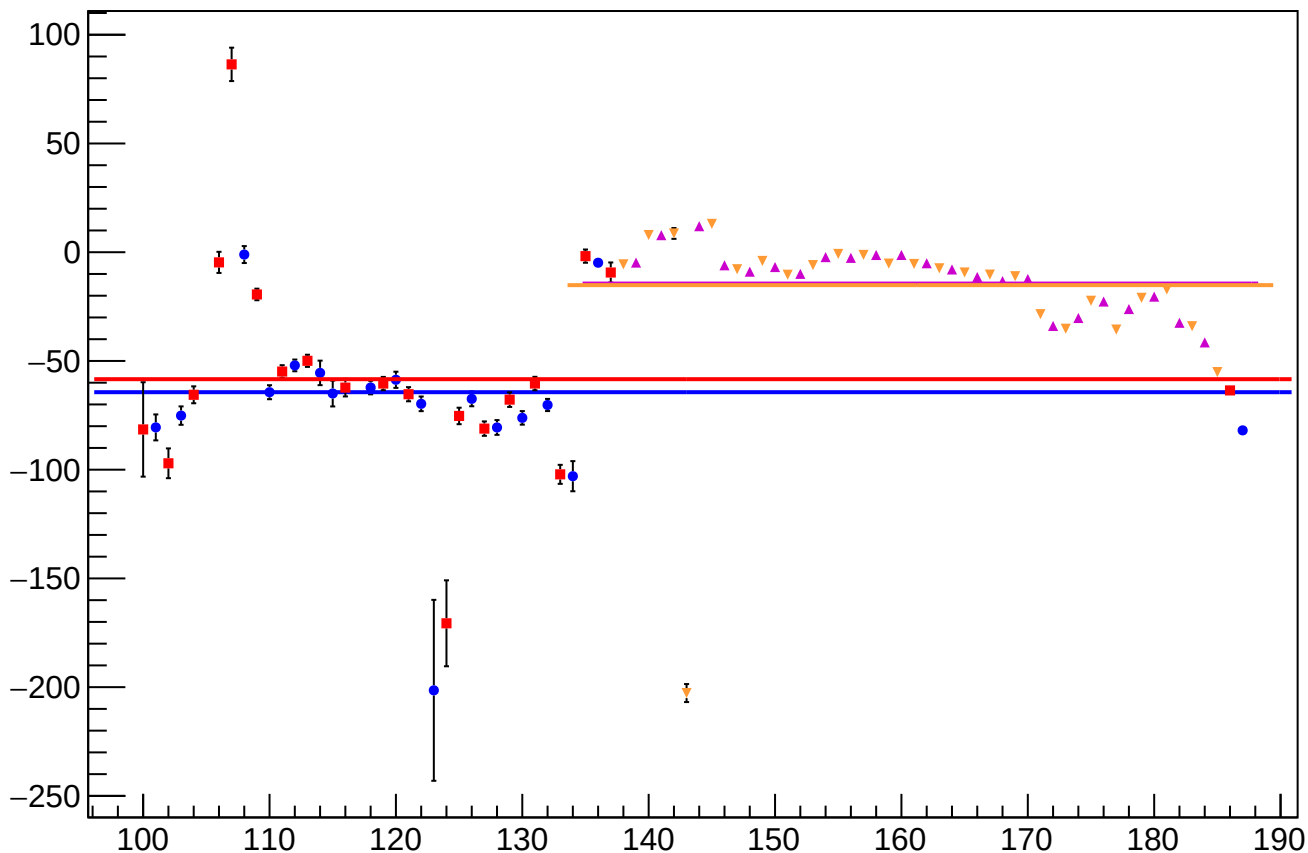
Right: 3.536 $\pm$ 0.313 χ^2 /NDF: 564.5/37

In: 2.354 $\pm$ 0.194 χ^2 /NDF:620.8/40

Out: 1.853 $\pm$ 0.189 χ^2 /NDF:503.4/44

All: 2.097 $\pm$ 0.136 χ^2 /NDF: 1127.6/85

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -64.370 ± 0.689 χ^2/NDF : 1382.6/17

Left Out: -15.140 ± 0.267 χ^2/NDF : 4451.9/24

Right Out: -58.385 ± 0.538 χ^2/NDF : 1466.4/19

Left In: -14.415 ± 0.268 χ^2/NDF : 2065.7/22

Left: -14.779 ± 0.189 χ^2/NDF : 6521.3/47

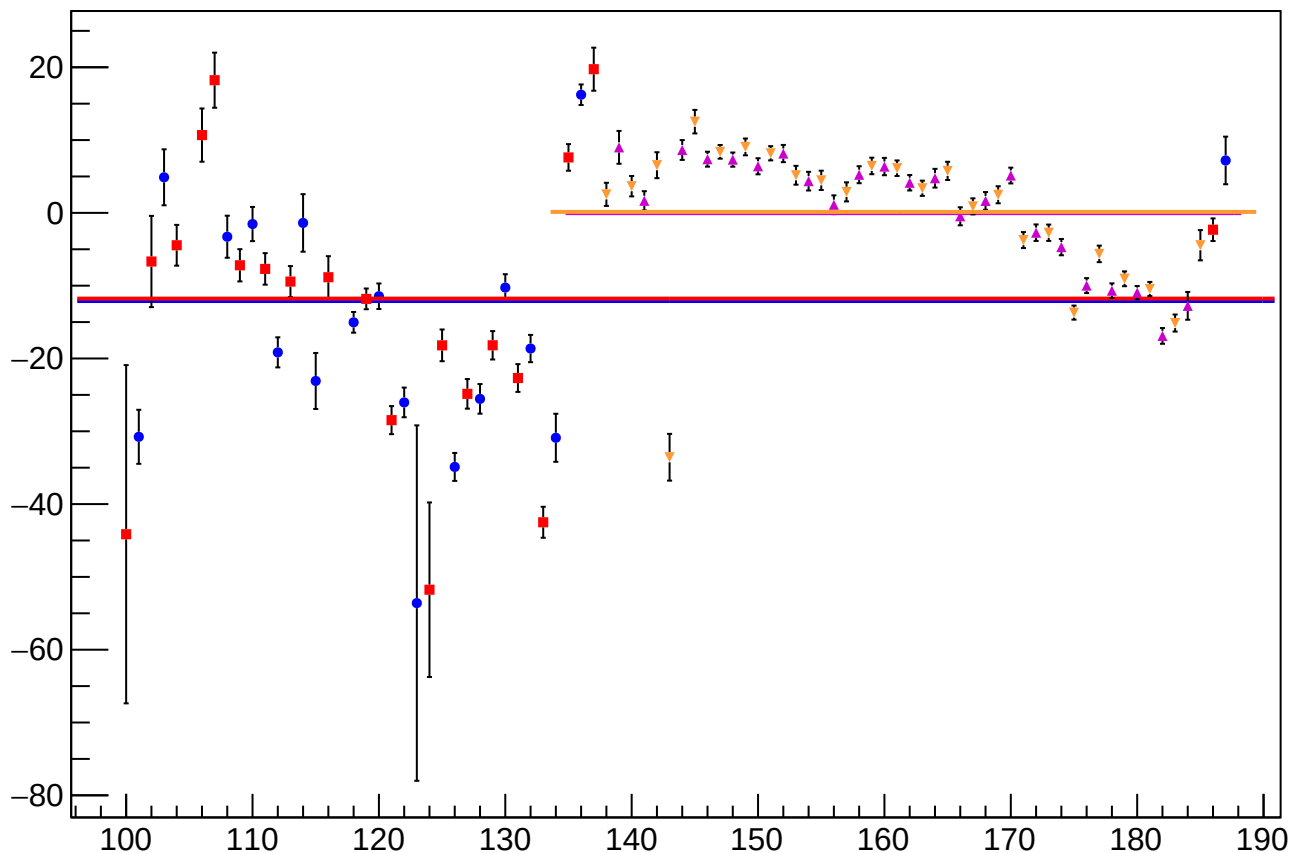
Right: -60.654 ± 0.424 χ^2/NDF : 2895.9/37

In: -20.987 ± 0.250 χ^2/NDF : 8017.3/40

Out: -23.671 ± 0.239 χ^2/NDF : 11099.1/44

All: -22.388 ± 0.173 χ^2/NDF : 19176.6/85

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.108 ± 0.523 χ^2/NDF : 824.0/17

Left Out: 0.133 ± 0.238 χ^2/NDF : 1146.9/24

Right Out: -11.777 ± 0.509 χ^2/NDF : 771.8/19

Left In: -0.036 ± 0.242 χ^2/NDF : 1027.6/22

Left: 0.049 ± 0.170 χ^2/NDF : 2174.8/47

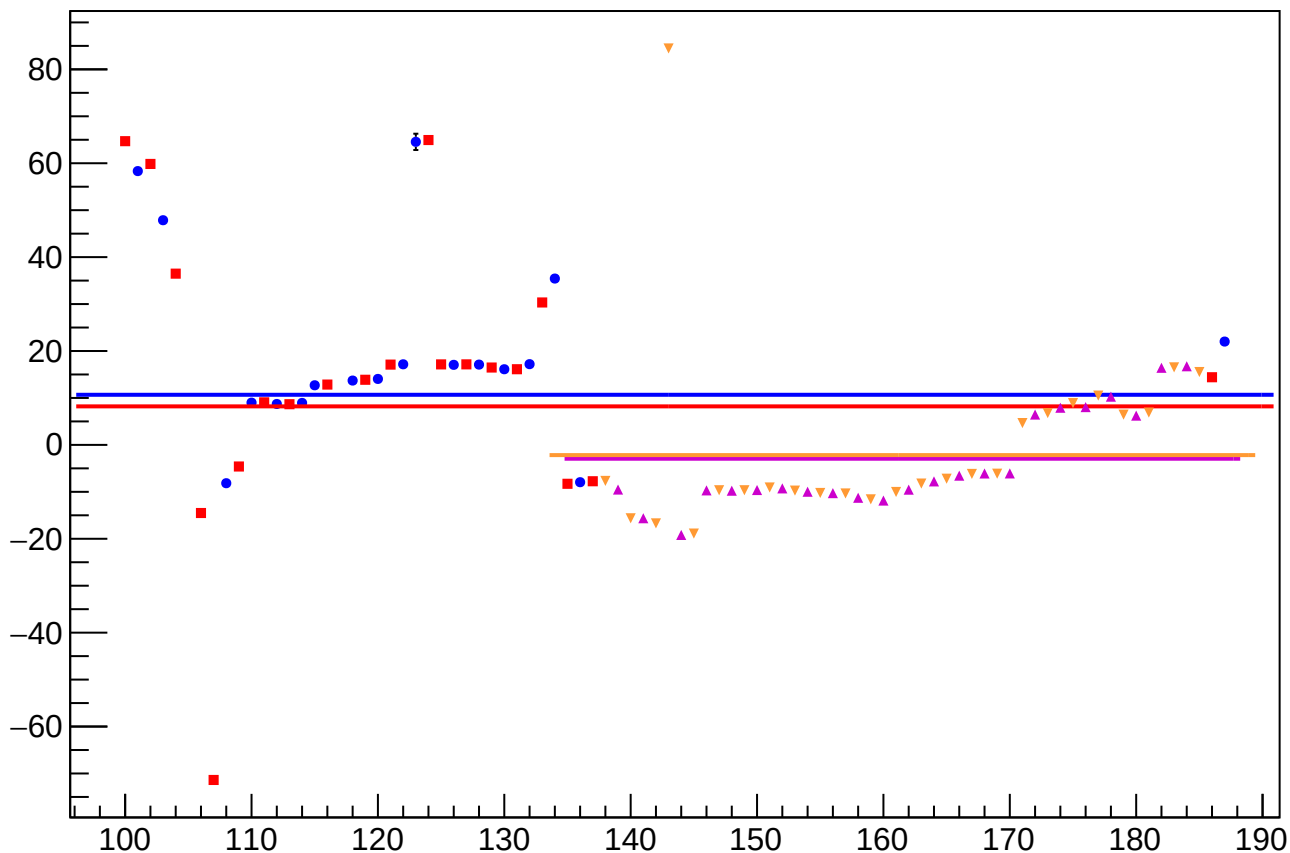
Right: -11.938 ± 0.365 χ^2/NDF : 1596.0/37

In: -2.168 ± 0.220 χ^2/NDF : 2289.8/40

Out: -2.012 ± 0.216 χ^2/NDF : 2368.3/44

All: -2.089 ± 0.154 χ^2/NDF : 4658.4/85

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.675+/-0.030 χ^2/NDF : 384864.4/17

Left Out: -2.176+/-0.011 χ^2/NDF : 1047394.9/24

Right Out: 8.205+/-0.030 χ^2/NDF : 548413.9/19

Left In: -2.949+/-0.011 χ^2/NDF : 770702.4/22

Left: -2.562+/-0.008 χ^2/NDF : 1820593.2/47

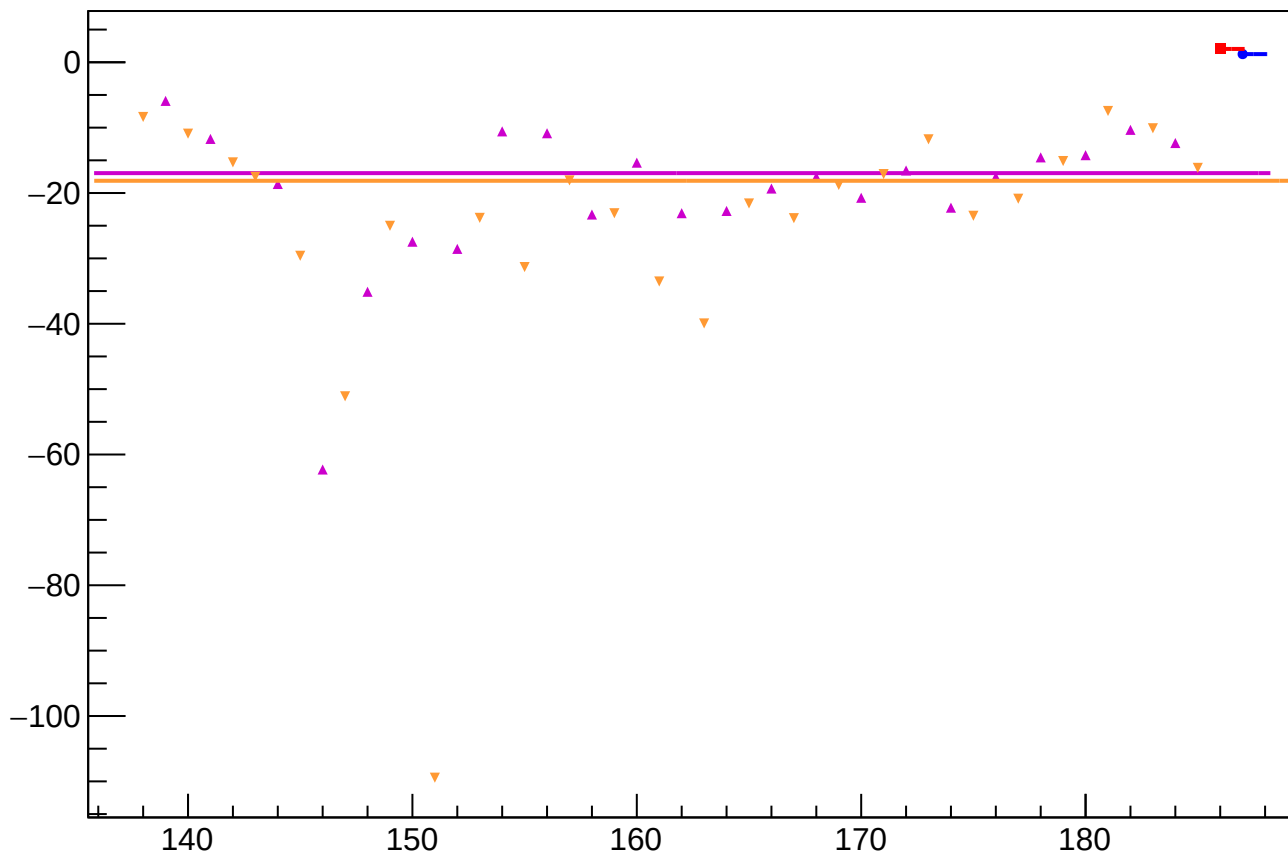
Right: 9.439+/-0.021 χ^2/NDF : 936640.1/37

In: -1.359+/-0.010 χ^2/NDF : 1336181.8/40

Out: -0.968+/-0.010 χ^2/NDF : 1700924.4/44

All: -1.163+/-0.007 χ^2/NDF : 3037830.8/85

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.248 $\pm$ 0.282 χ^2 /NDF: 0.0/0

Left Out: -18.127 $\pm$ 0.039 χ^2 /NDF:88514.4/24

Right Out: 2.038 $\pm$ 0.194 χ^2 /NDF: 0.0/0

Left In: -16.958 $\pm$ 0.038 χ^2 /NDF:44759.9/22

Left: -17.528 $\pm$ 0.027 χ^2 /NDF: 133736.2/47

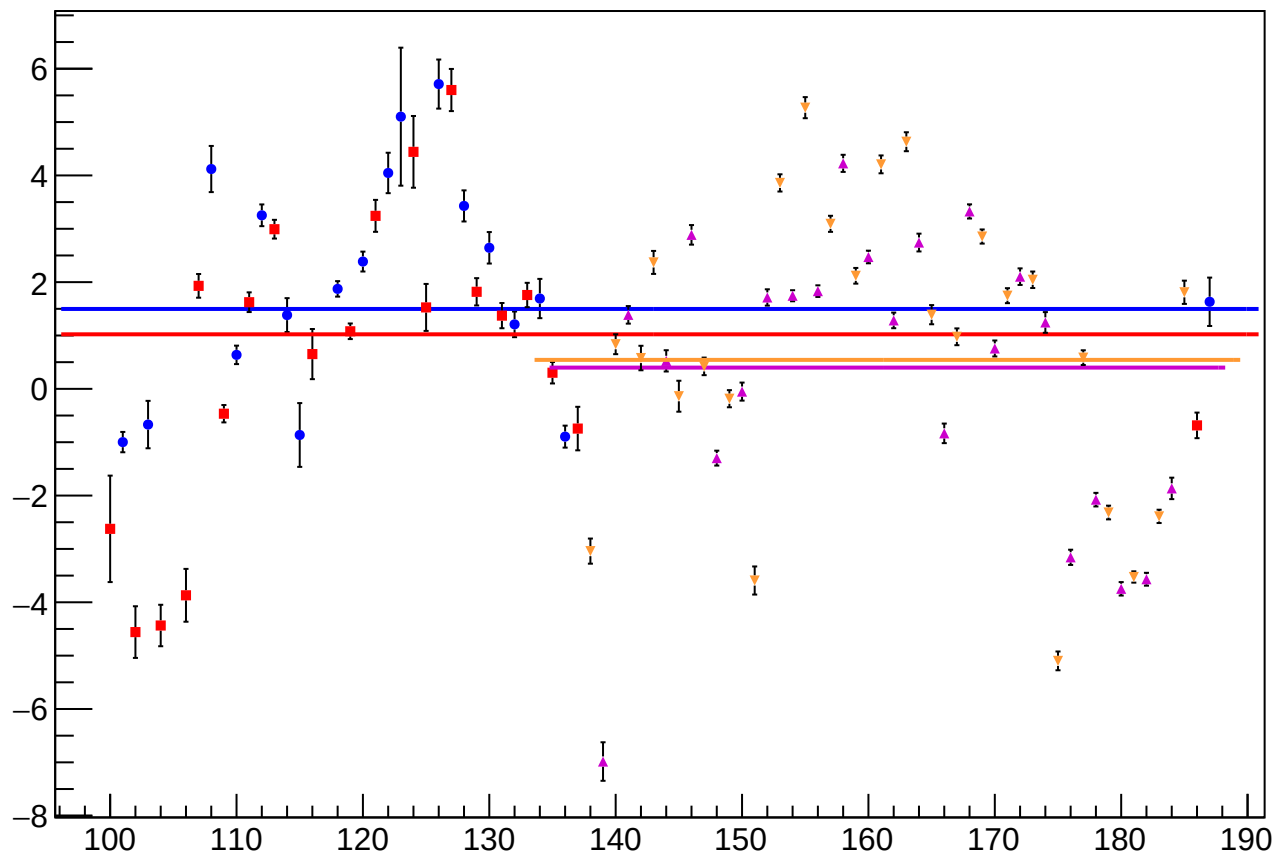
Right: 1.783 $\pm$ 0.160 χ^2 /NDF: 5.3/1

In: -16.632 $\pm$ 0.038 χ^2 /NDF:48863.7/23

Out: -17.349 $\pm$ 0.038 χ^2 /NDF:98857.8/25

All: -16.985 $\pm$ 0.027 χ^2 /NDF: 147899.9/49

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.497 ± 0.061 χ^2/NDF : 708.9/17

Left Out: 0.543 ± 0.032 χ^2/NDF : 7067.6/24

Right Out: 1.022 ± 0.057 χ^2/NDF : 1000.1/19

Left In: 0.398 ± 0.031 χ^2/NDF : 6286.3/22

Left: 0.467 ± 0.022 χ^2/NDF : 13364.5/47

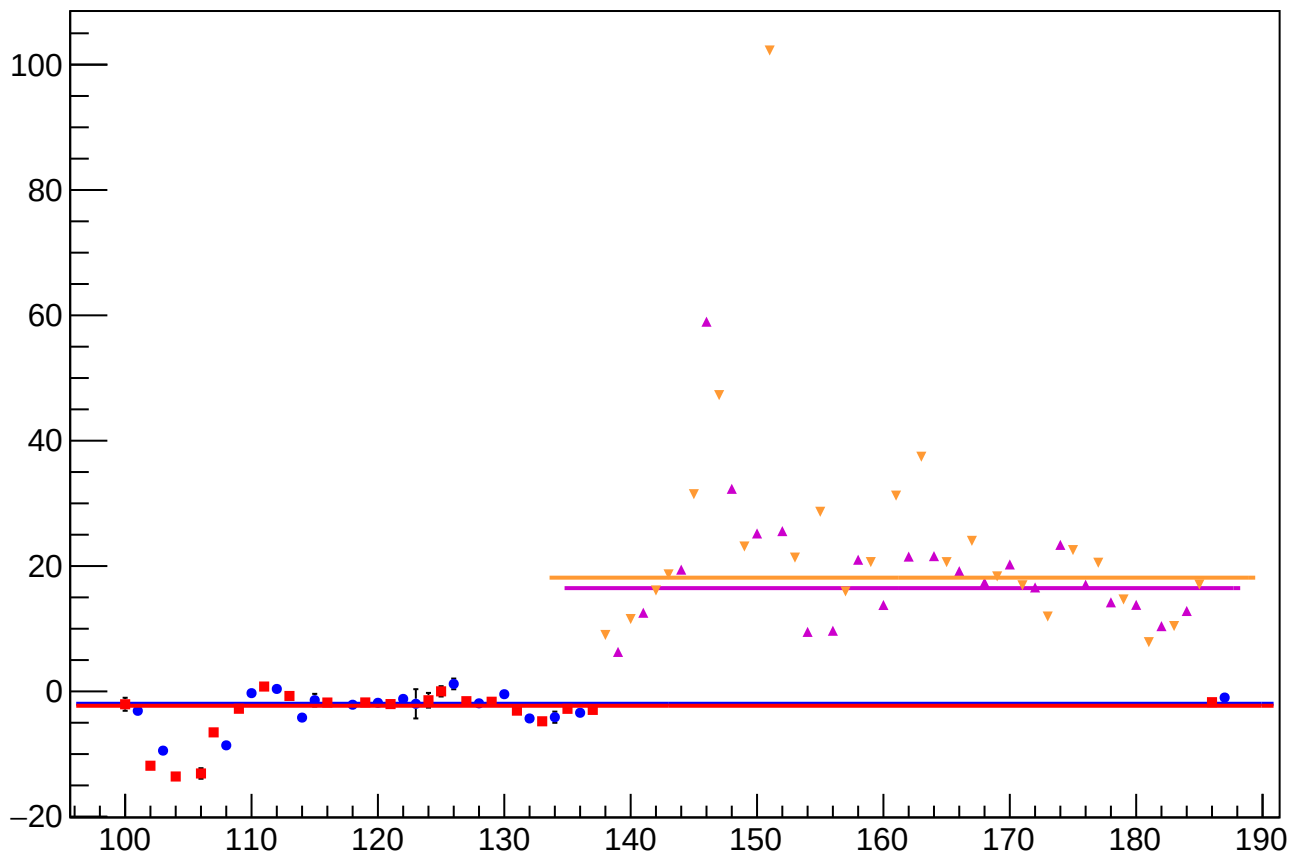
Right: 1.244 ± 0.041 χ^2/NDF : 1741.9/37

In: 0.622 ± 0.027 χ^2/NDF : 7257.8/40

Out: 0.662 ± 0.028 χ^2/NDF : 8121.7/44

All: 0.641 ± 0.020 χ^2/NDF : 15380.5/85

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.973 ± 0.100 $\chi^2/\text{NDF}: 483.6/17$

Left Out: 18.147 ± 0.039 $\chi^2/\text{NDF}: 77805.7/24$

Right Out: -2.291 ± 0.083 $\chi^2/\text{NDF}: 922.0/19$

Left In: 16.477 ± 0.038 $\chi^2/\text{NDF}: 41326.5/22$

Left: 17.279 ± 0.027 $\chi^2/\text{NDF}: 120078.9/47$

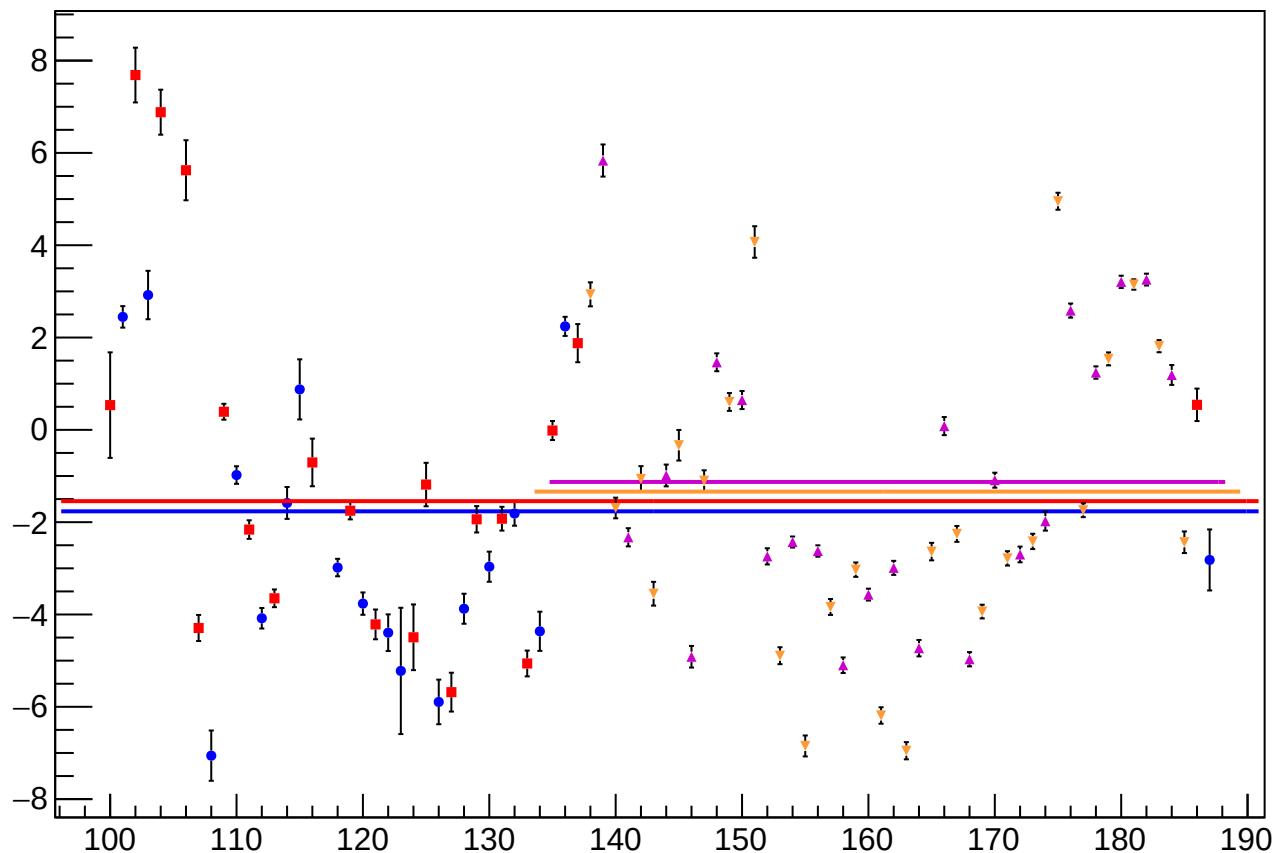
Right: -2.160 ± 0.064 $\chi^2/\text{NDF}: 1411.5/37$

In: 14.180 ± 0.035 $\chi^2/\text{NDF}: 71746.3/40$

Out: 14.465 ± 0.035 $\chi^2/\text{NDF}: 127856.6/44$

All: 14.322 ± 0.025 $\chi^2/\text{NDF}: 199635.6/85$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.765 ± 0.070 $\chi^2/\text{NDF}: 1347.6/17$

Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7920.8/24$

Right Out: -1.544 ± 0.065 $\chi^2/\text{NDF}: 1524.0/19$

Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6778.7/22$

Left: -1.228 ± 0.025 $\chi^2/\text{NDF}: 14717.3/47$

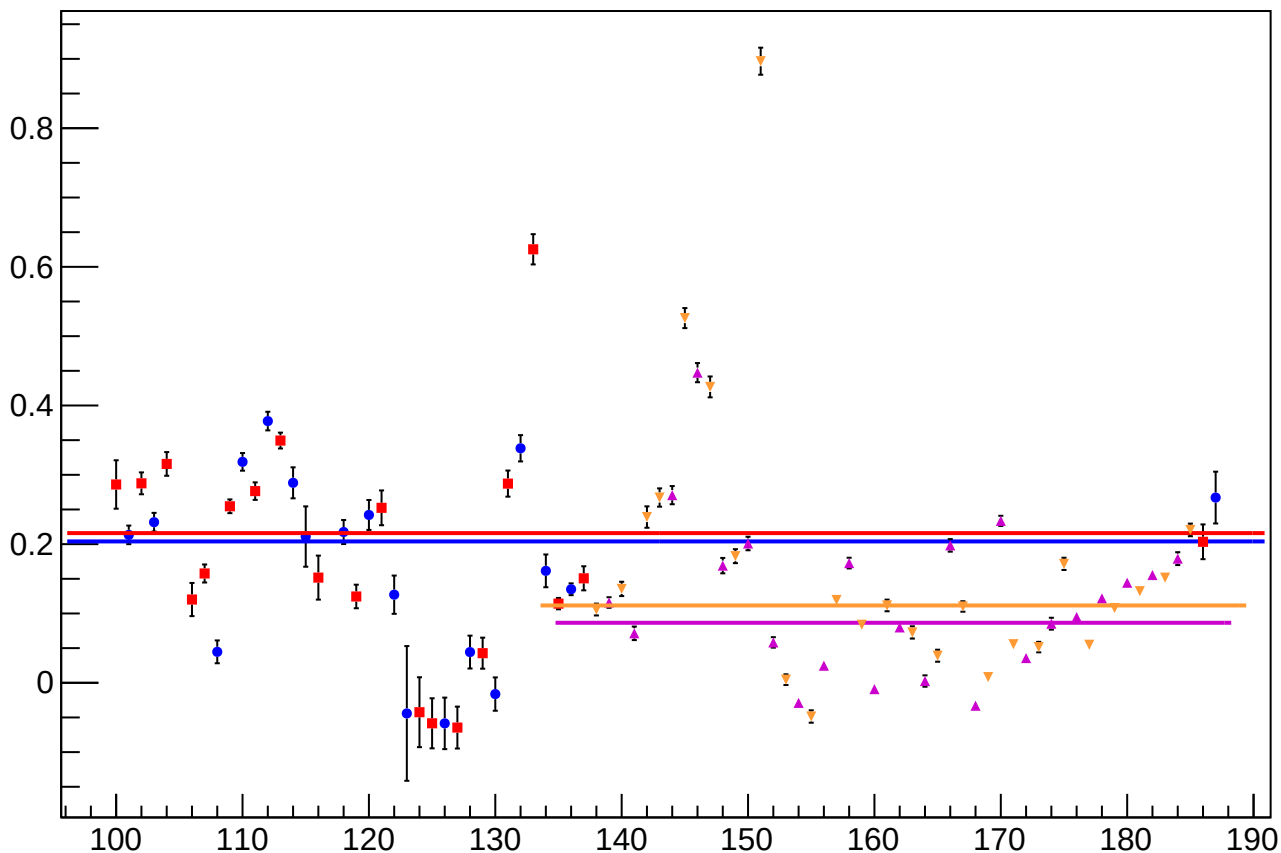
Right: -1.646 ± 0.047 $\chi^2/\text{NDF}: 2877.0/37$

In: -1.251 ± 0.031 $\chi^2/\text{NDF}: 8193.3/40$

Out: -1.387 ± 0.031 $\chi^2/\text{NDF}: 9452.5/44$

All: -1.317 ± 0.022 $\chi^2/\text{NDF}: 17655.5/85$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.204 ± 0.004 χ^2/NDF : 680.1/17

Left Out: 0.112 ± 0.002 χ^2/NDF : 4459.9/24

Right Out: 0.216 ± 0.004 χ^2/NDF : 1067.6/19

Left In: 0.087 ± 0.001 χ^2/NDF : 3661.4/22

Left: 0.098 ± 0.001 χ^2/NDF : 8251.0/47

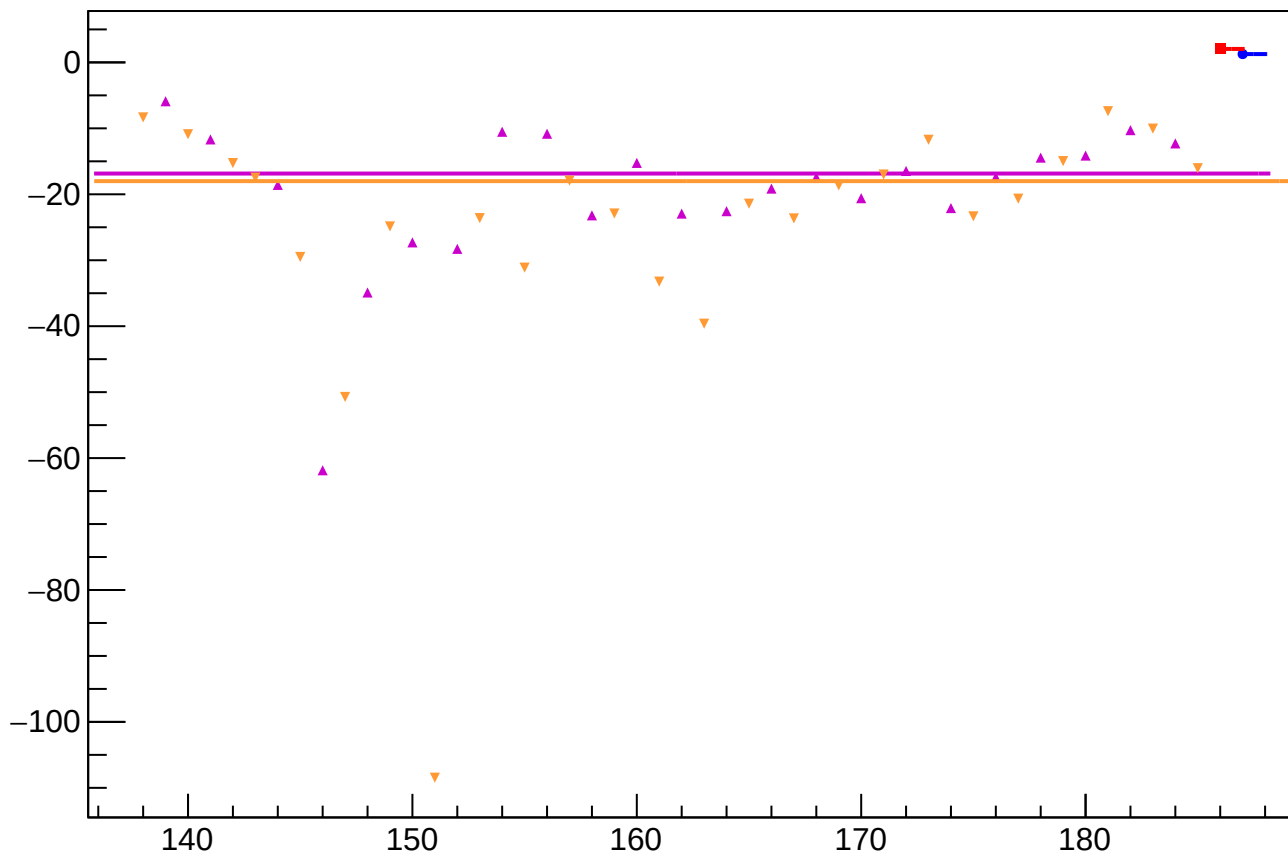
Right: 0.211 ± 0.003 χ^2/NDF : 1752.4/37

In: 0.100 ± 0.001 χ^2/NDF : 5062.2/40

Out: 0.128 ± 0.001 χ^2/NDF : 6211.5/44

All: 0.114 ± 0.001 χ^2/NDF : 11465.1/85

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.261+/-0.281 χ^2/NDF : 0.0/0

Left Out: -18.004+/-0.039 χ^2/NDF : 88352.2/24

Right Out: 2.041+/-0.192 χ^2/NDF : 0.0/0

Left In: -16.854+/-0.038 χ^2/NDF : 44680.7/22

Left: -17.415+/-0.027 χ^2/NDF : 133485.7/47

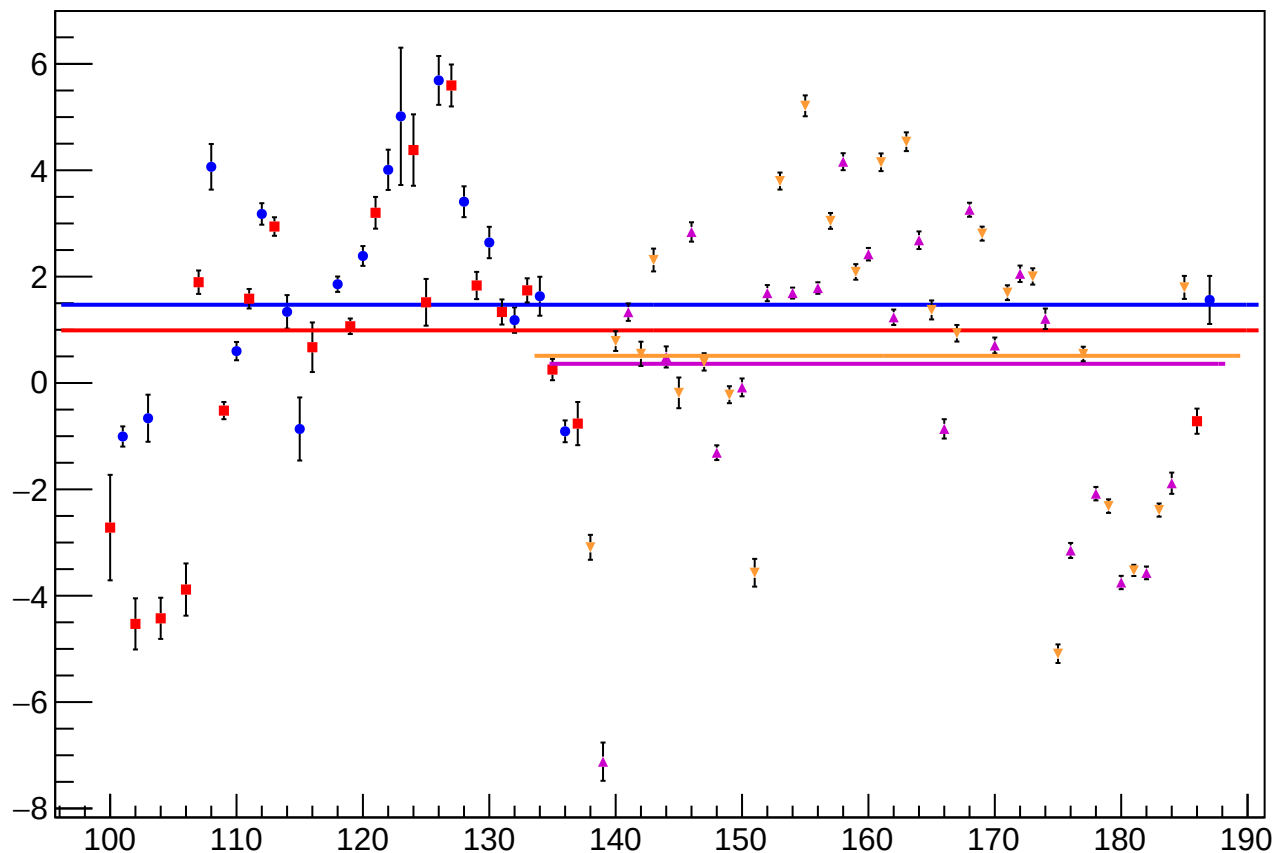
Right: 1.792+/-0.158 χ^2/NDF : 5.3/1

In: -16.532+/-0.037 χ^2/NDF : 48771.2/23

Out: -17.221+/-0.038 χ^2/NDF : 98843.6/25

All: -16.872+/-0.027 χ^2/NDF : 147781.9/49

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.471 ± 0.060 χ^2/NDF : 707.9/17

Left Out: 0.511 ± 0.032 χ^2/NDF : 7053.0/24

Right Out: 0.989 ± 0.056 χ^2/NDF : 1007.3/19

Left In: 0.361 ± 0.030 χ^2/NDF : 6273.5/22

Left: 0.432 ± 0.022 χ^2/NDF : 13338.0/47

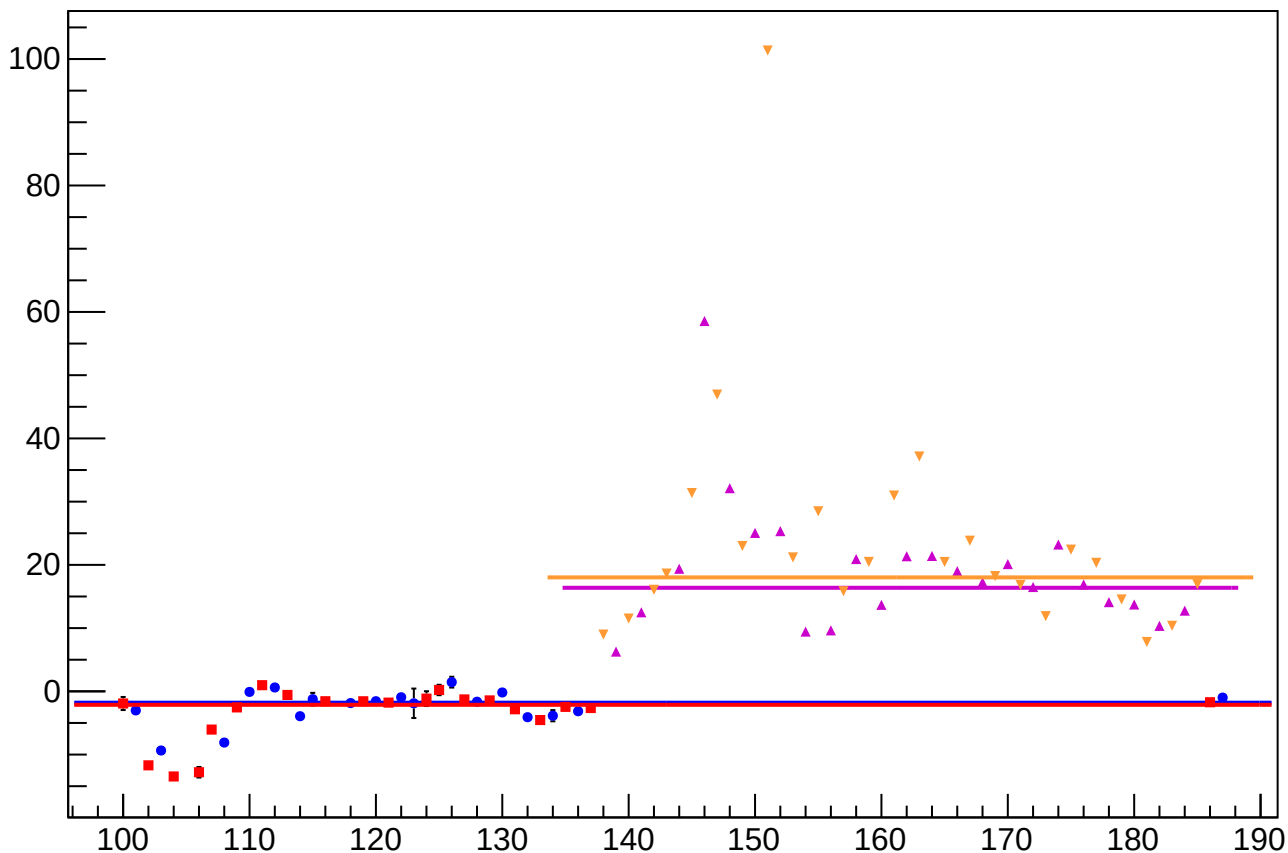
Right: 1.214 ± 0.041 χ^2/NDF : 1749.4/37

In: 0.587 ± 0.027 χ^2/NDF : 7252.0/40

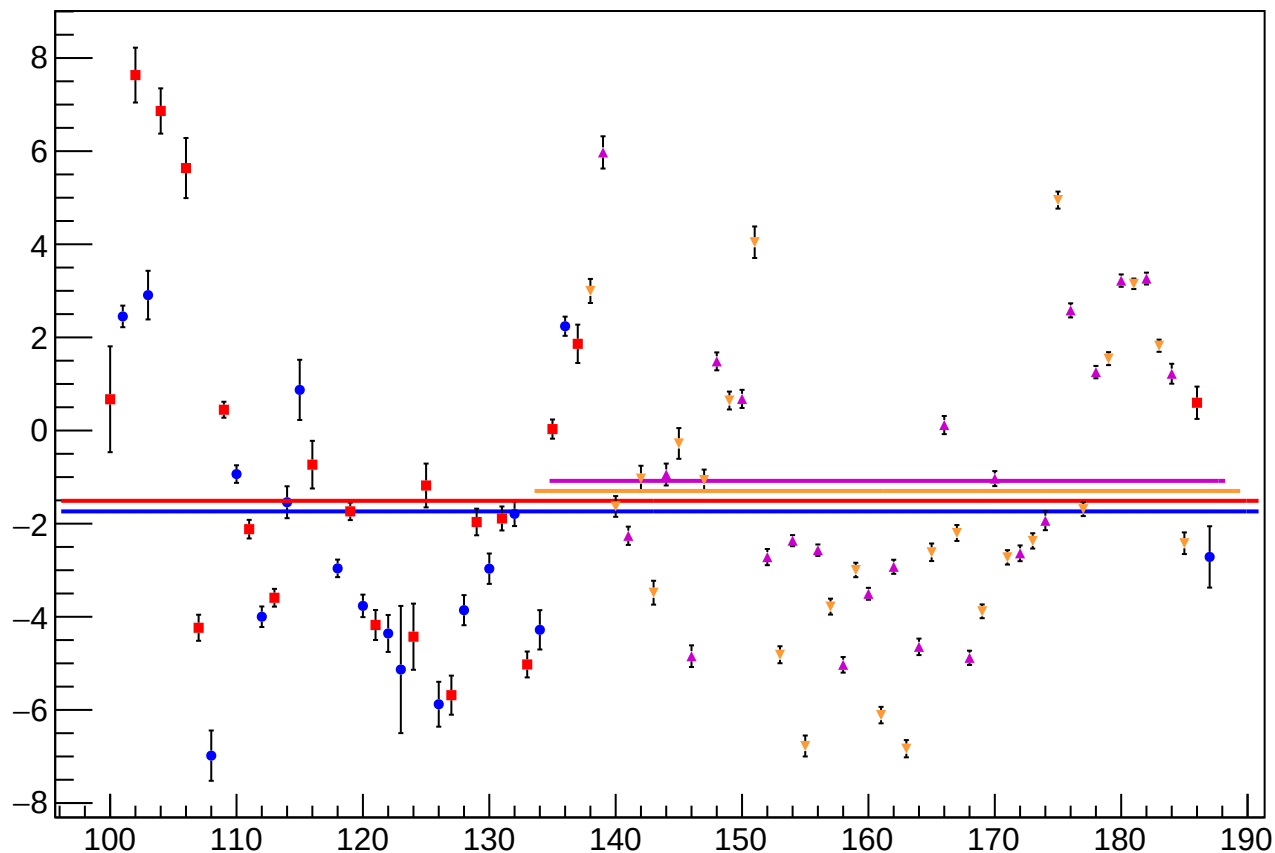
Out: 0.629 ± 0.028 χ^2/NDF : 8114.7/44

All: 0.607 ± 0.019 χ^2/NDF : 15367.9/85

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



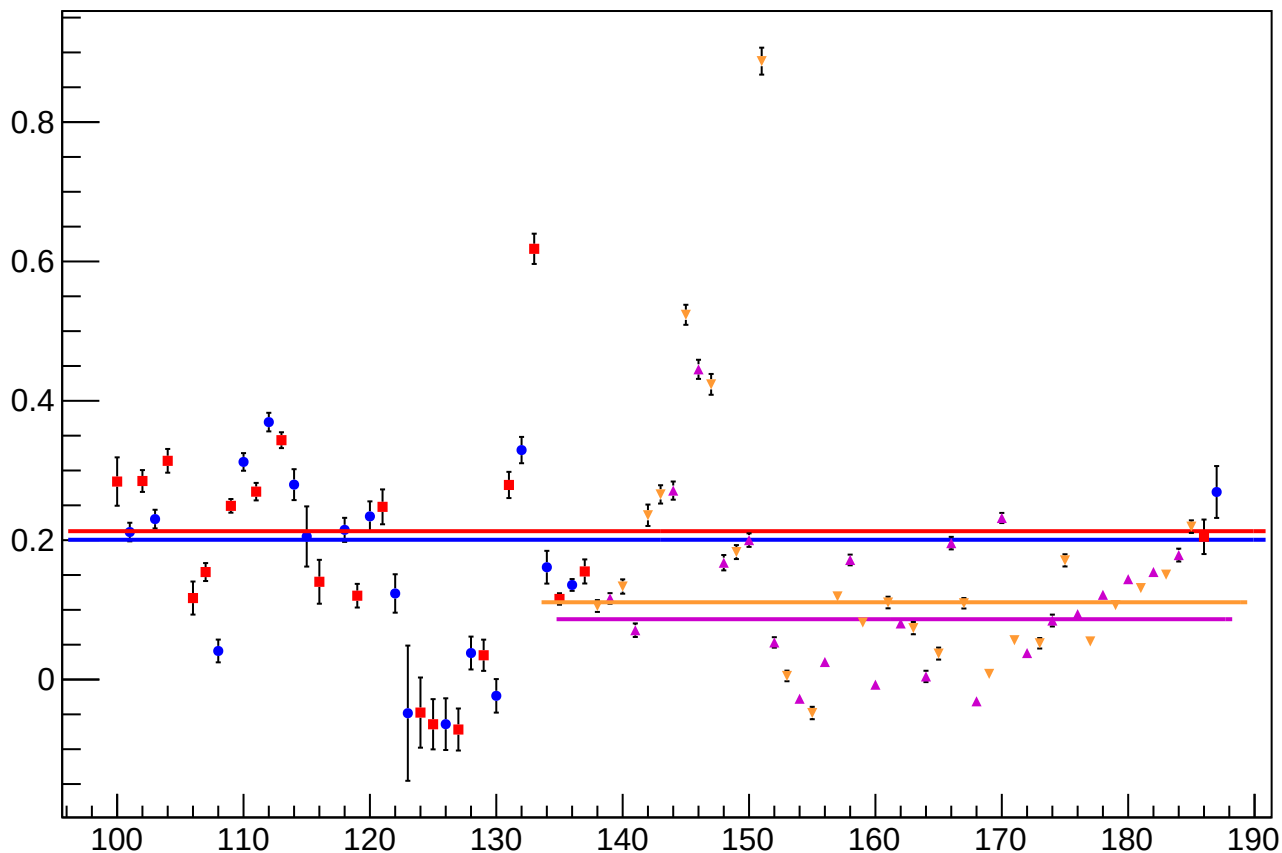
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.737 ± 0.070 $\chi^2/\text{NDF}: 1343.7/17$
 Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7903.2/24$
 Right Out: -1.509 ± 0.064 $\chi^2/\text{NDF}: 1531.0/19$
 Left In: -1.081 ± 0.034 $\chi^2/\text{NDF}: 6764.0/22$

Left: -1.183 ± 0.025 $\chi^2/\text{NDF}: 14686.6/47$
 Right: -1.614 ± 0.047 $\chi^2/\text{NDF}: 2880.4/37$
 In: -1.206 ± 0.030 $\chi^2/\text{NDF}: 8179.6/40$
 Out: -1.347 ± 0.031 $\chi^2/\text{NDF}: 9442.5/44$
 All: -1.275 ± 0.022 $\chi^2/\text{NDF}: 17632.6/85$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 665.9/17

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4452.0/24

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1051.0/19

Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3631.4/22

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 8208.0/47

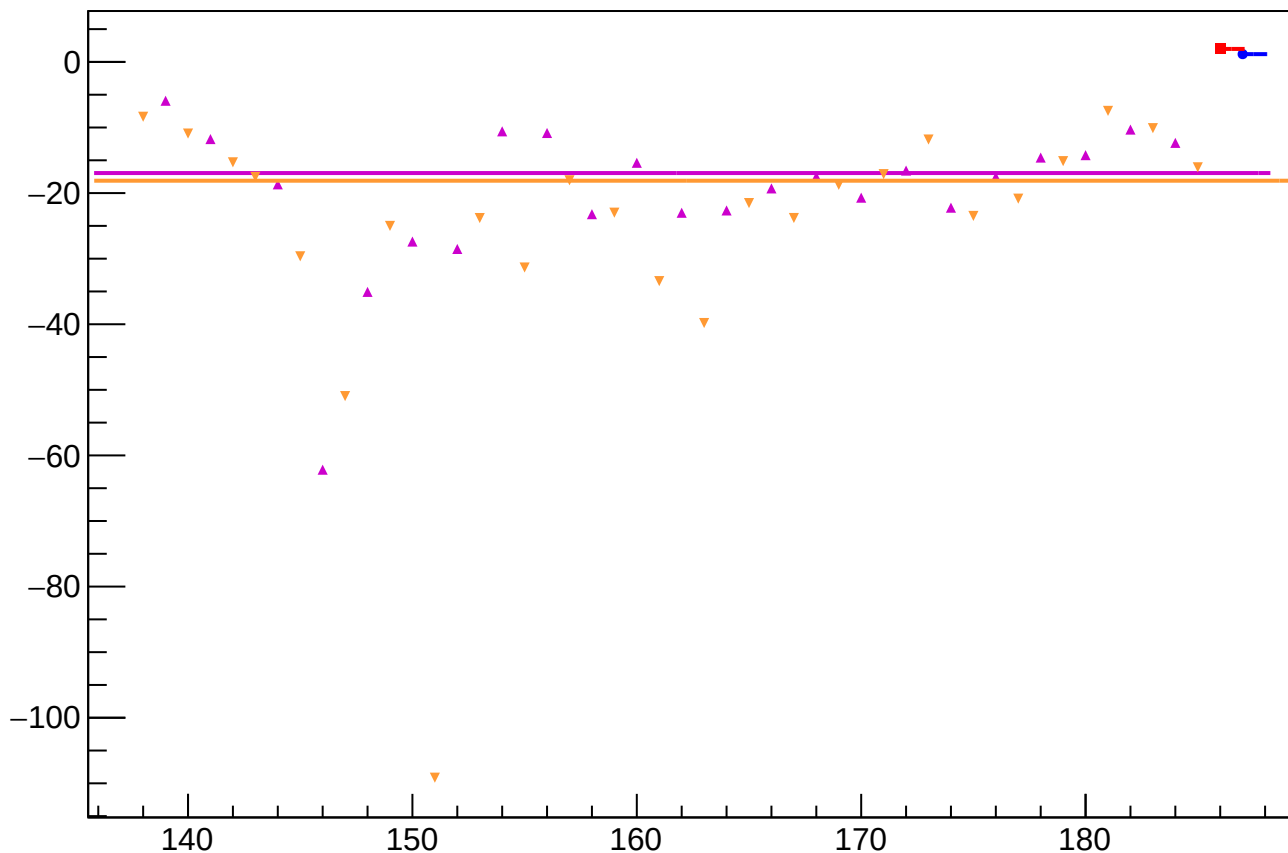
Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1722.0/37

In: 0.100 $\pm$ 0.001 χ^2 /NDF:4984.4/40

Out: 0.127 $\pm$ 0.001 χ^2 /NDF:6163.7/44

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 11332.9/85

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.187 ± 0.282 χ^2/NDF : 0.0/0

Left Out: -18.112 ± 0.039 χ^2/NDF : 88488.2/24

Right Out: 1.982 ± 0.192 χ^2/NDF : 0.0/0

Left In: -16.945 ± 0.038 χ^2/NDF : 44756.2/22

Left: -17.514 ± 0.027 χ^2/NDF : 133707.4/47

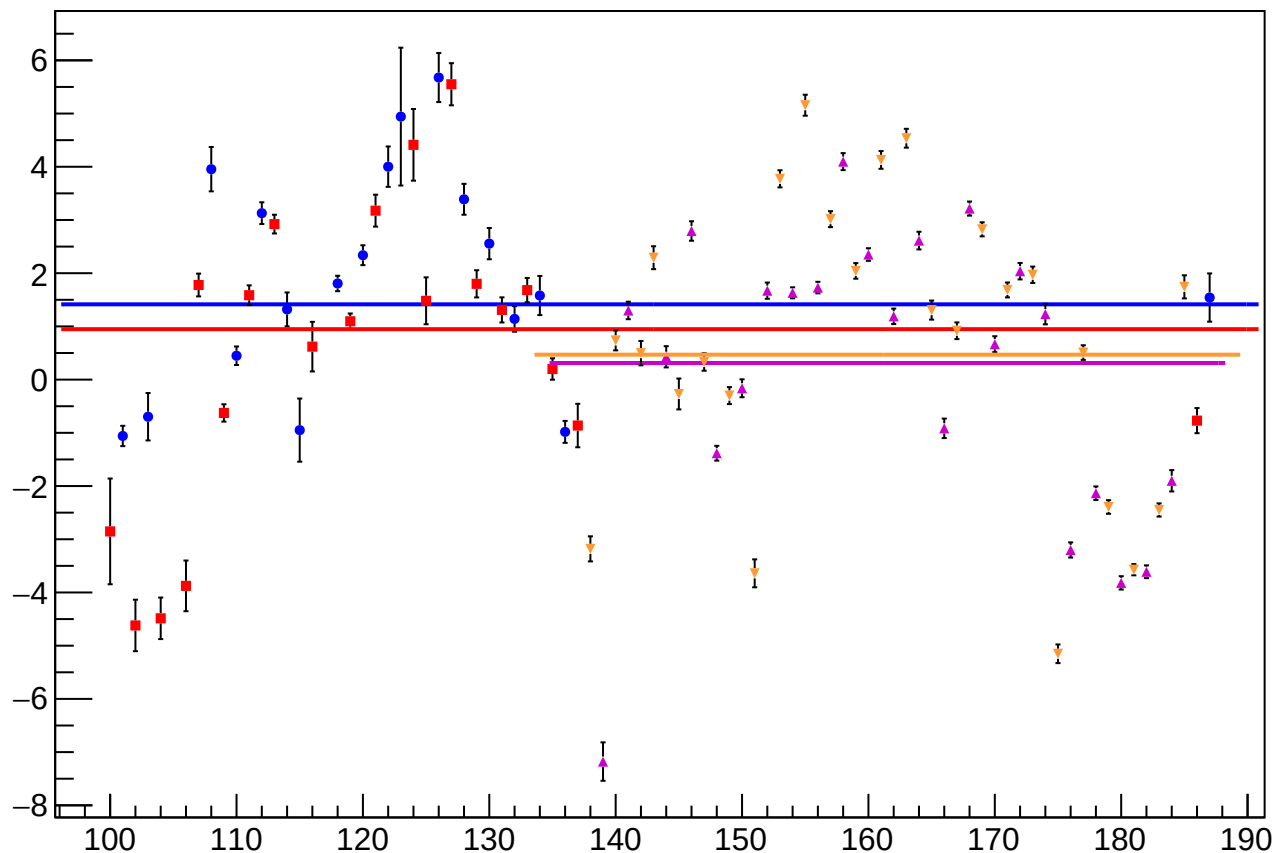
Right: 1.730 ± 0.158 χ^2/NDF : 5.4/1

In: -16.622 ± 0.038 χ^2/NDF : 48831.3/23

Out: -17.318 ± 0.038 χ^2/NDF : 99060.2/25

All: -16.965 ± 0.027 χ^2/NDF : 148061.1/49

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.415 ± 0.061 $\chi^2/\text{NDF}: 714.0/17$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7076.8/24$

Right Out: 0.948 ± 0.056 $\chi^2/\text{NDF}: 1019.5/19$

Left In: 0.313 ± 0.031 $\chi^2/\text{NDF}: 6235.0/22$

Left: 0.386 ± 0.022 $\chi^2/\text{NDF}: 13324.1/47$

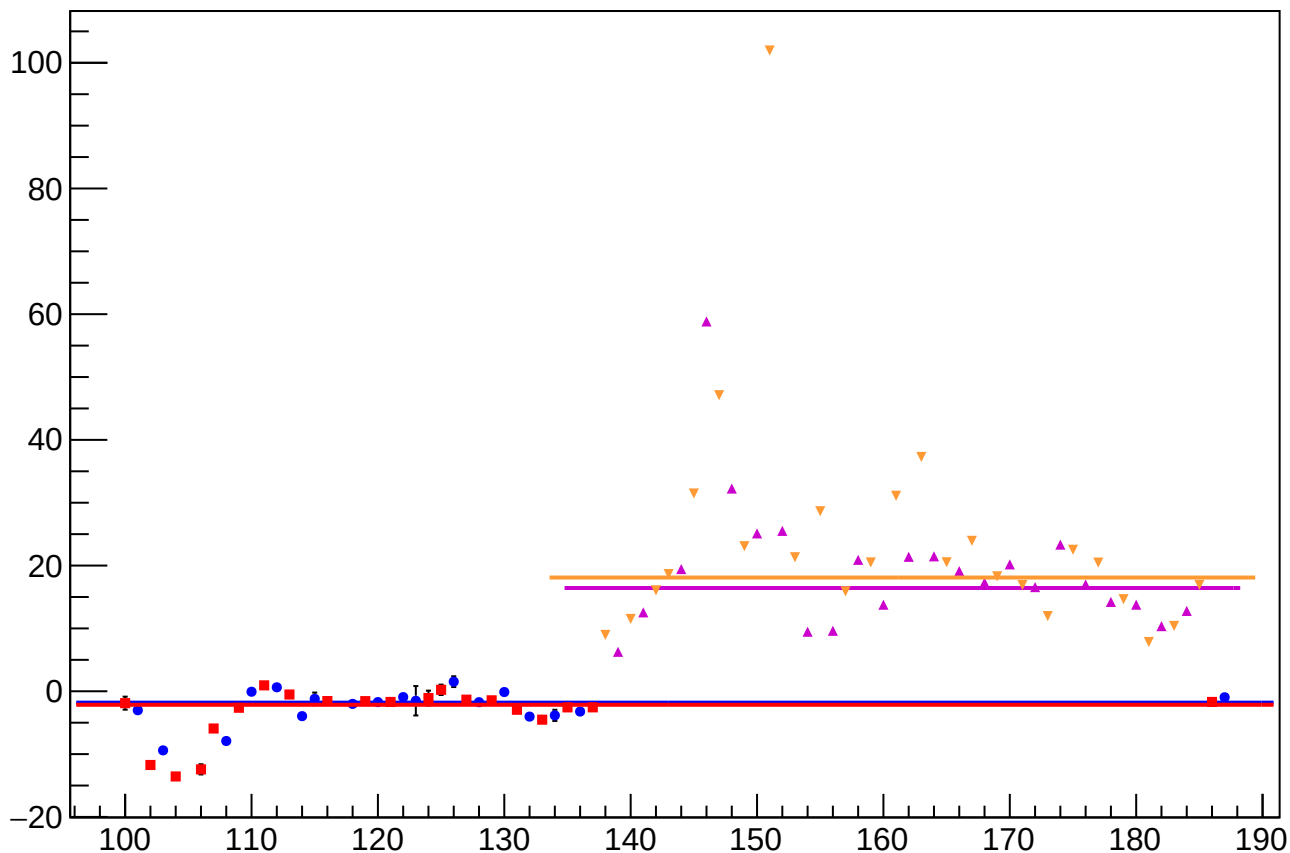
Right: 1.165 ± 0.041 $\chi^2/\text{NDF}: 1765.2/37$

In: 0.536 ± 0.027 $\chi^2/\text{NDF}: 7213.3/40$

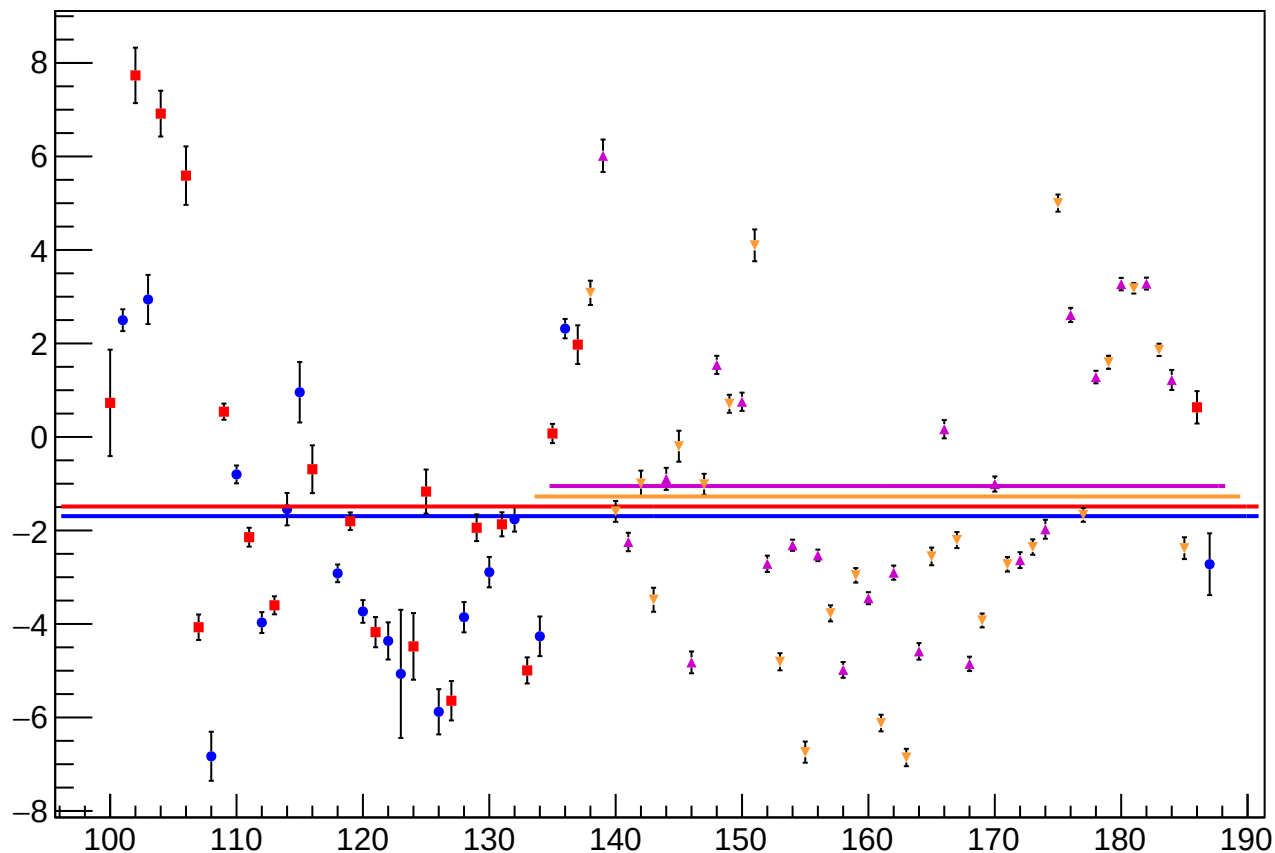
Out: 0.587 ± 0.028 $\chi^2/\text{NDF}: 8150.6/44$

All: 0.561 ± 0.020 $\chi^2/\text{NDF}: 15365.6/85$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



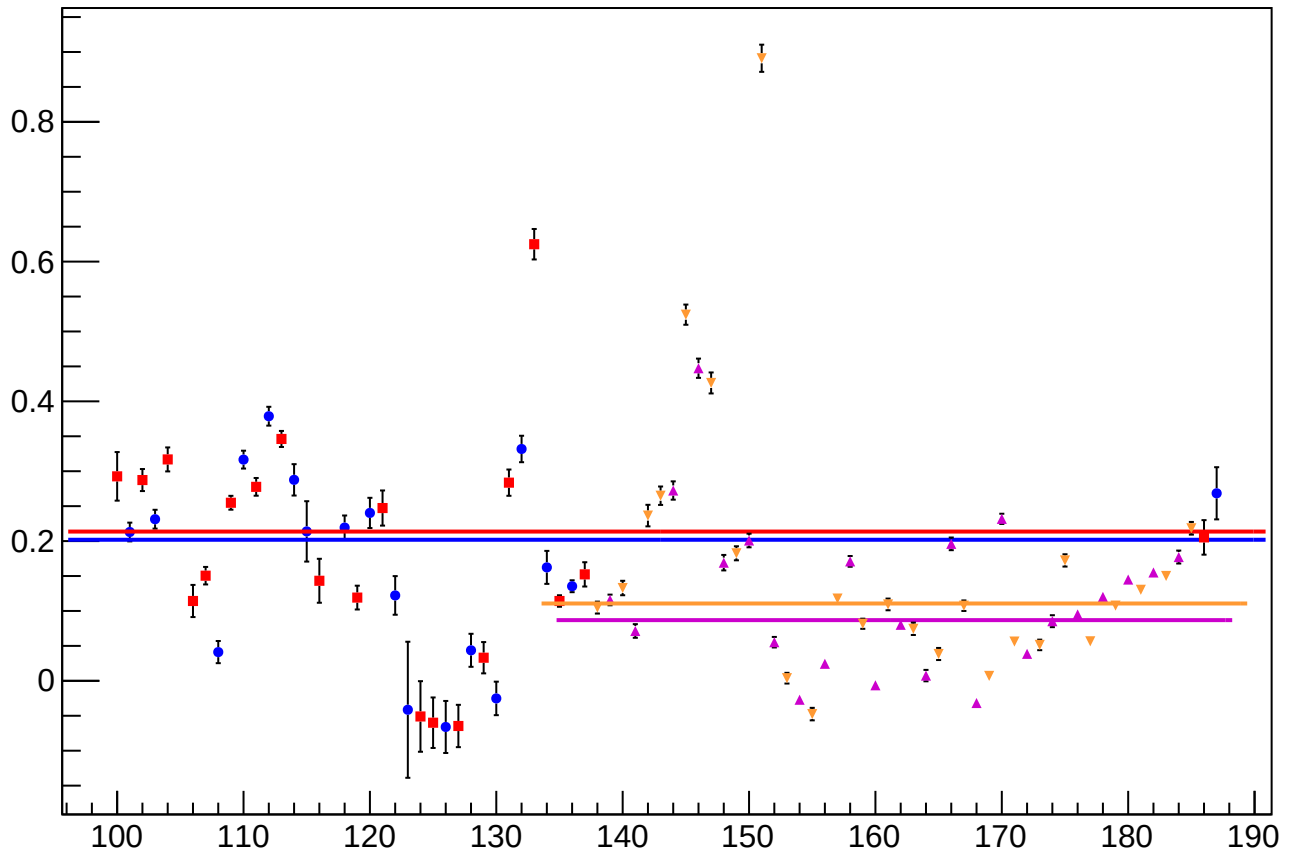
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.694 ± 0.070 $\chi^2/\text{NDF}: 1350.3/17$
 Left Out: -1.273 ± 0.036 $\chi^2/\text{NDF}: 7931.0/24$
 Right Out: -1.487 ± 0.064 $\chi^2/\text{NDF}: 1543.5/19$
 Left In: -1.050 ± 0.034 $\chi^2/\text{NDF}: 6713.0/22$

Left: -1.156 ± 0.025 $\chi^2/\text{NDF}: 14664.3/47$
 Right: -1.582 ± 0.047 $\chi^2/\text{NDF}: 2898.5/37$
 In: -1.173 ± 0.031 $\chi^2/\text{NDF}: 8131.8/40$
 Out: -1.324 ± 0.031 $\chi^2/\text{NDF}: 9483.0/44$
 All: -1.246 ± 0.022 $\chi^2/\text{NDF}: 17626.6/85$

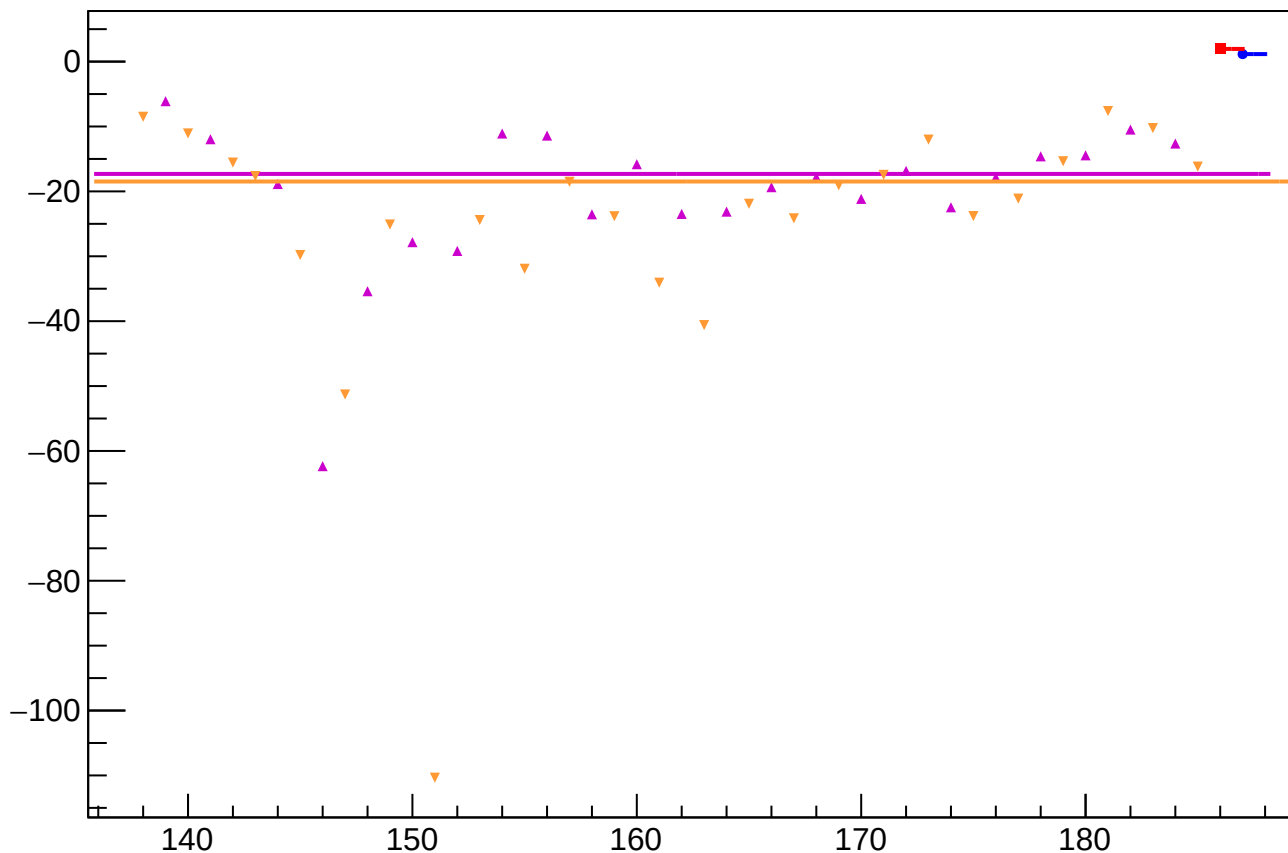
reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.098 ± 0.001 $\chi^2/\text{NDF}: 8153.0/47$
 Right: 0.208 ± 0.003 $\chi^2/\text{NDF}: 1782.3/37$
 In: 0.100 ± 0.001 $\chi^2/\text{NDF}: 4993.2/40$
 Out: 0.127 ± 0.001 $\chi^2/\text{NDF}: 6183.5/44$
 All: 0.113 ± 0.001 $\chi^2/\text{NDF}: 11354.6/85$

Right In: 0.202 ± 0.004 $\chi^2/\text{NDF}: 694.5/17$
 Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4430.3/24$
 Right Out: 0.214 ± 0.004 $\chi^2/\text{NDF}: 1083.3/19$
 Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3604.3/22$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.157 $\pm$ 0.283 χ^2 /NDF: 0.0/0

Left Out: -18.478 $\pm$ 0.040 χ^2 /NDF:87856.5/24

Right Out: 1.954 $\pm$ 0.192 χ^2 /NDF: 0.0/0

Left In: -17.309 $\pm$ 0.039 χ^2 /NDF:43807.0/22

Left: -17.879 $\pm$ 0.028 χ^2 /NDF: 132106.2/47

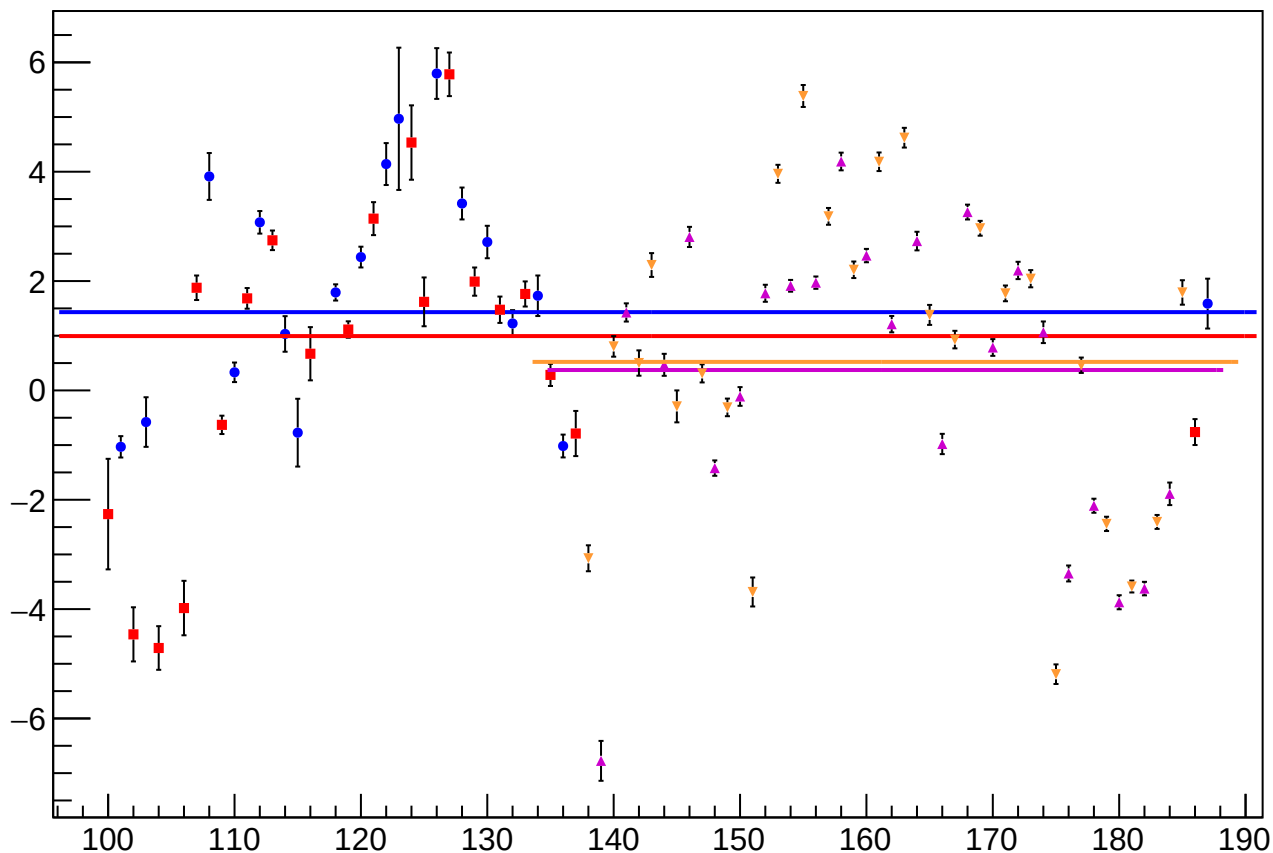
Right: 1.702 $\pm$ 0.159 χ^2 /NDF: 5.4/1

In: -16.969 $\pm$ 0.038 χ^2 /NDF:47976.8/23

Out: -17.641 $\pm$ 0.039 χ^2 /NDF:98675.6/25

All: -17.301 $\pm$ 0.027 χ^2 /NDF: 146803.3/49

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 $\chi^2/\text{NDF}: 711.6/17$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7038.3/24$

Right Out: 0.994 ± 0.058 $\chi^2/\text{NDF}: 994.8/19$

Left In: 0.373 ± 0.031 $\chi^2/\text{NDF}: 6263.9/22$

Left: 0.443 ± 0.023 $\chi^2/\text{NDF}: 13312.8/47$

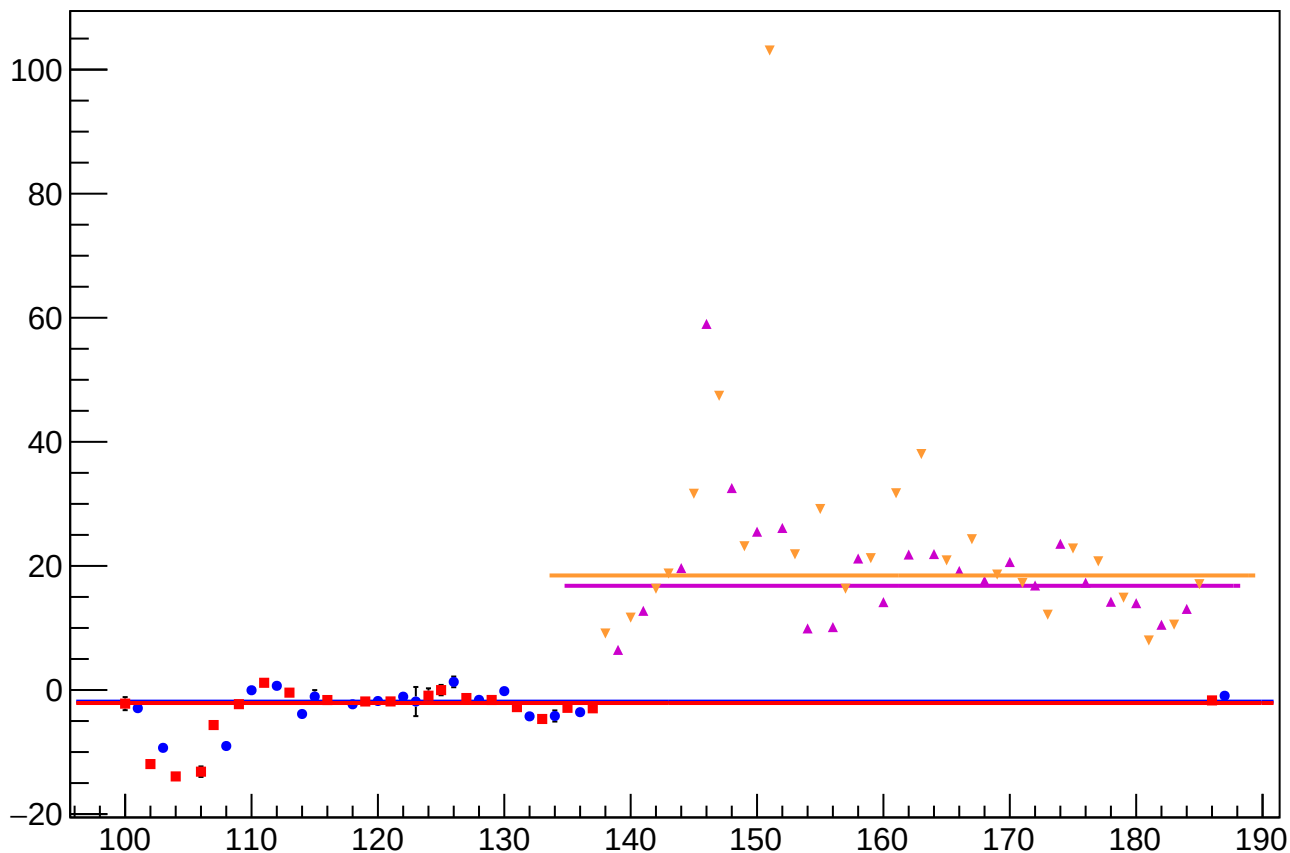
Right: 1.198 ± 0.042 $\chi^2/\text{NDF}: 1733.4/37$

In: 0.590 ± 0.028 $\chi^2/\text{NDF}: 7210.2/40$

Out: 0.639 ± 0.029 $\chi^2/\text{NDF}: 8083.7/44$

All: 0.614 ± 0.020 $\chi^2/\text{NDF}: 15295.3/85$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.873 ± 0.101 χ^2/NDF : 506.9/17

Left Out: 18.463 ± 0.040 χ^2/NDF : 77193.5/24

Right Out: -2.097 ± 0.084 χ^2/NDF : 929.2/19

Left In: 16.798 ± 0.038 χ^2/NDF : 40258.9/22

Left: 17.599 ± 0.028 χ^2/NDF : 118354.8/47

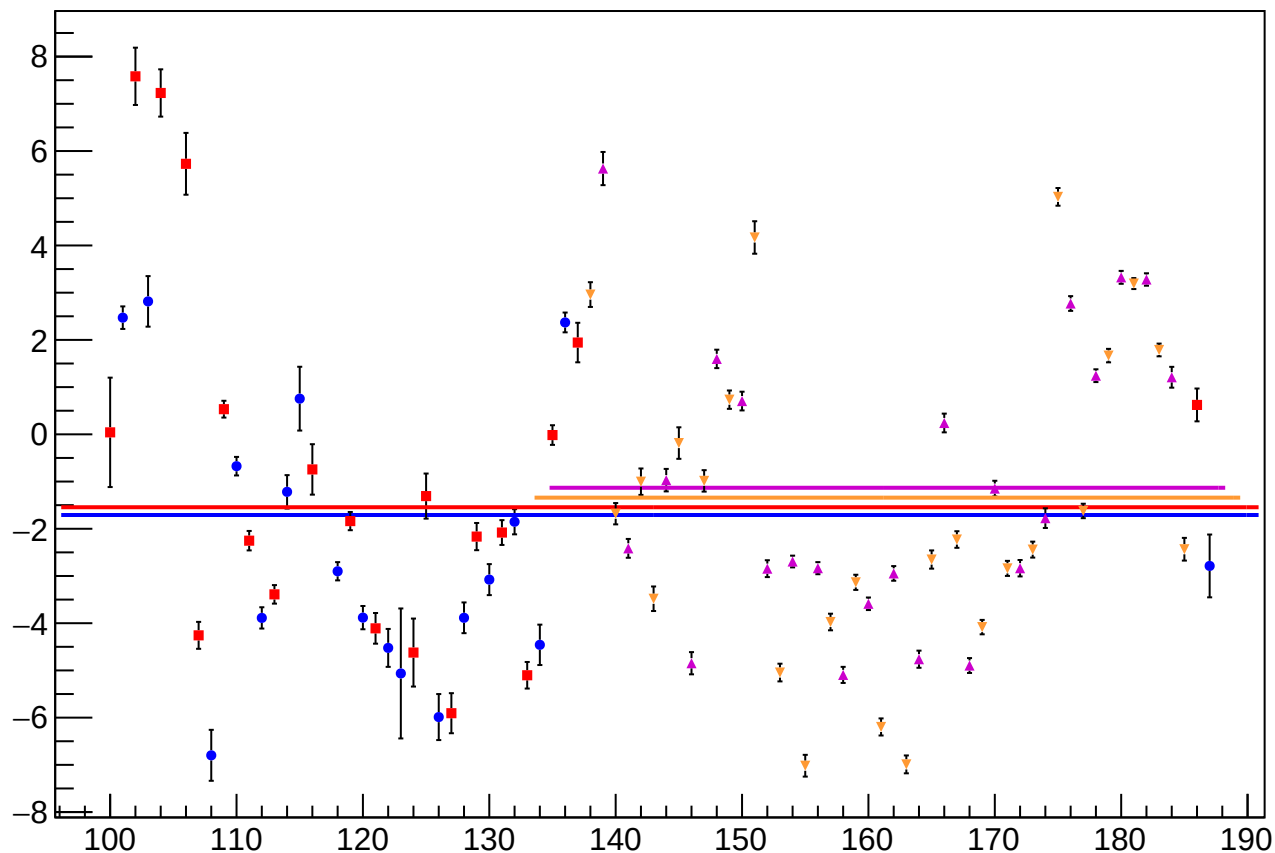
Right: -2.005 ± 0.065 χ^2/NDF : 1439.0/37

In: 14.452 ± 0.036 χ^2/NDF : 70435.3/40

Out: 14.706 ± 0.036 χ^2/NDF : 126572.6/44

All: 14.579 ± 0.025 χ^2/NDF : 197032.9/85

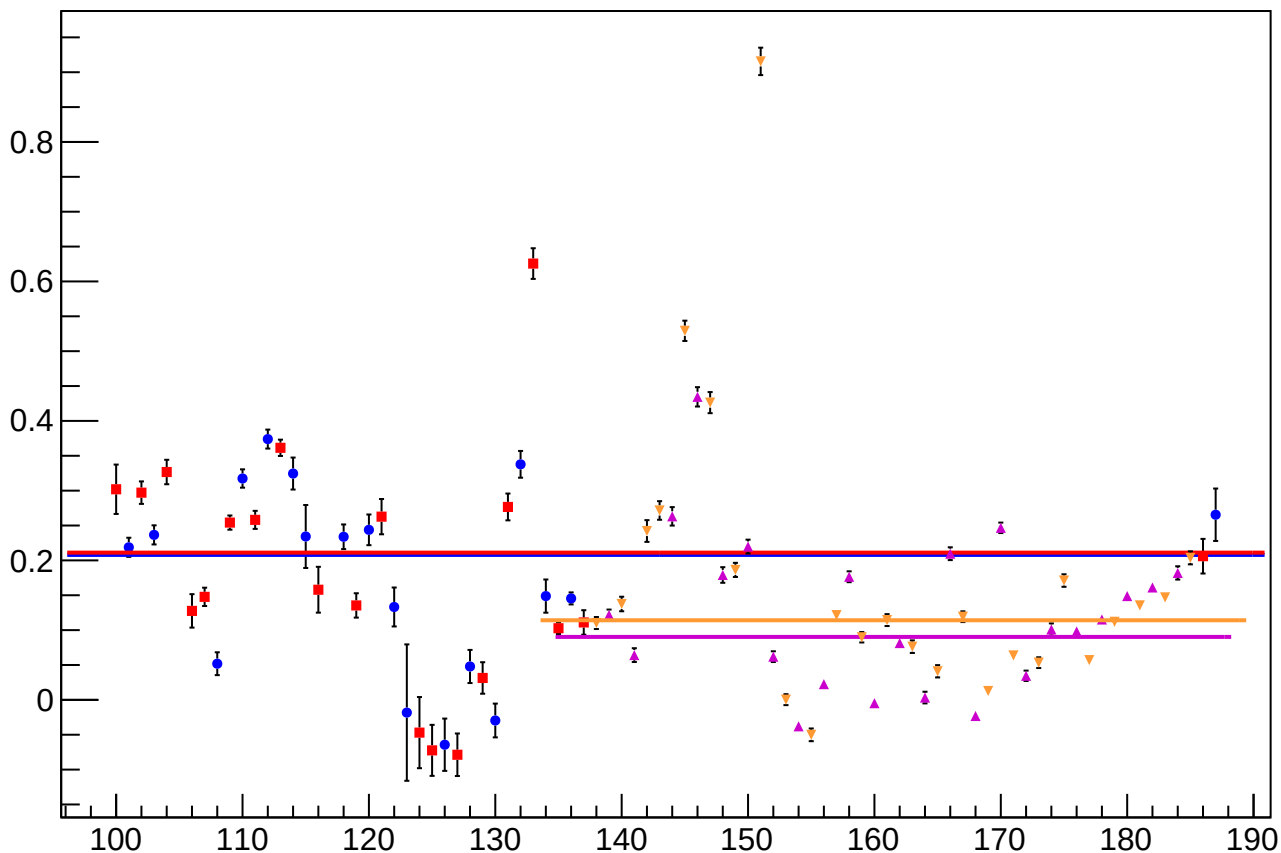
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.708 ± 0.071 $\chi^2/\text{NDF}: 1336.0/17$
 Left Out: -1.341 ± 0.037 $\chi^2/\text{NDF}: 7886.0/24$
 Right Out: -1.544 ± 0.066 $\chi^2/\text{NDF}: 1507.6/19$
 Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6743.4/22$

Left: -1.231 ± 0.025 $\chi^2/\text{NDF}: 14646.5/47$
 Right: -1.620 ± 0.048 $\chi^2/\text{NDF}: 2846.4/37$
 In: -1.243 ± 0.031 $\chi^2/\text{NDF}: 8132.4/40$
 Out: -1.389 ± 0.032 $\chi^2/\text{NDF}: 9400.9/44$
 All: -1.314 ± 0.022 $\chi^2/\text{NDF}: 17543.9/85$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.208 $\pm$ 0.004 χ^2 /NDF: 658.7/17

Left Out: 0.114 $\pm$ 0.002 χ^2 /NDF:4382.5/24

Right Out: 0.211 $\pm$ 0.004 χ^2 /NDF: 1145.7/19

Left In: 0.090 $\pm$ 0.002 χ^2 /NDF:3679.2/22

Left: 0.101 $\pm$ 0.001 χ^2 /NDF: 8175.2/47

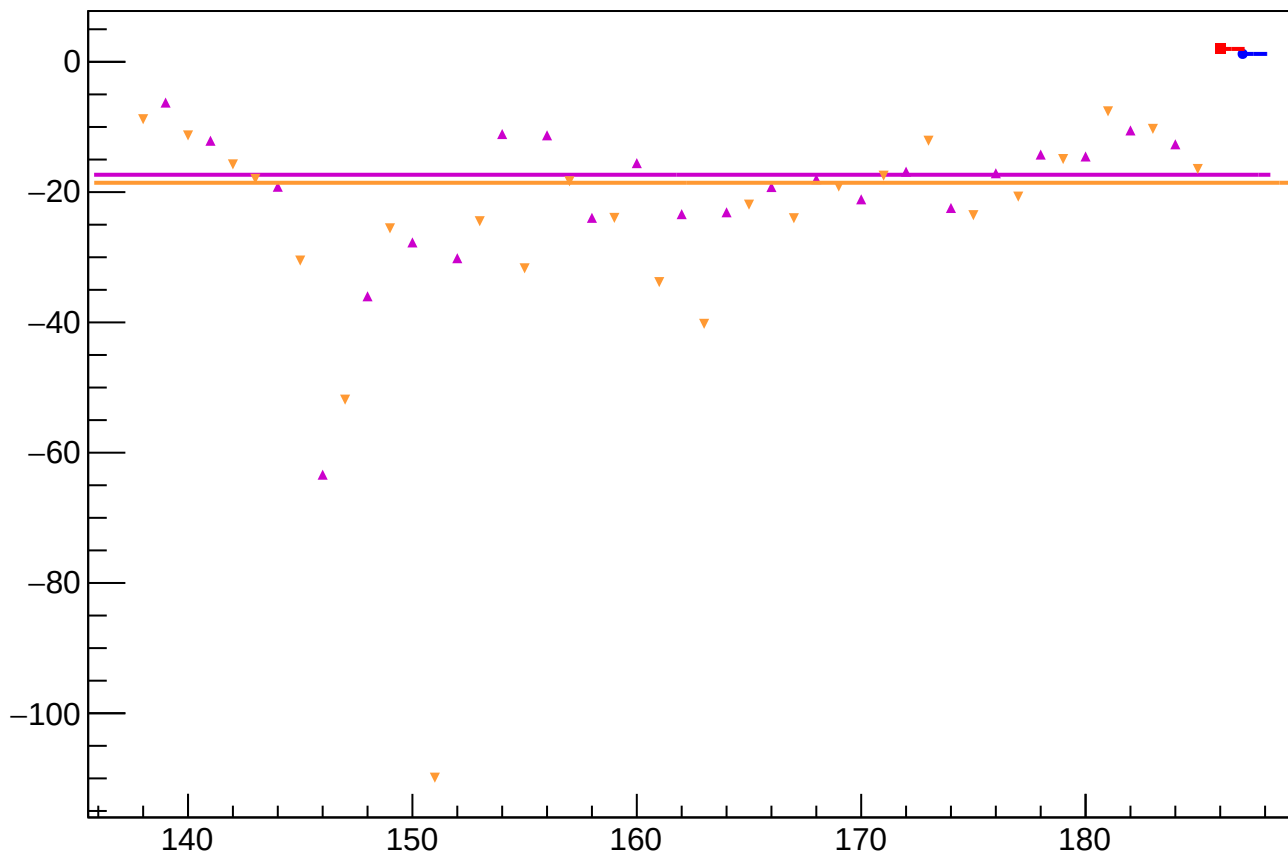
Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1804.7/37

In: 0.104 $\pm$ 0.001 χ^2 /NDF:5037.7/40

Out: 0.130 $\pm$ 0.001 χ^2 /NDF:6099.2/44

All: 0.117 $\pm$ 0.001 χ^2 /NDF: 11290.3/85

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.216+/-0.284 χ^2/NDF : 0.0/0

Left Out: -18.565+/-0.040 χ^2/NDF : 86349.5/24

Right Out: 1.981+/-0.193 χ^2/NDF : 0.0/0

Left In: -17.335+/-0.039 χ^2/NDF : 44078.7/22

Left: -17.934+/-0.028 χ^2/NDF : 130909.9/47

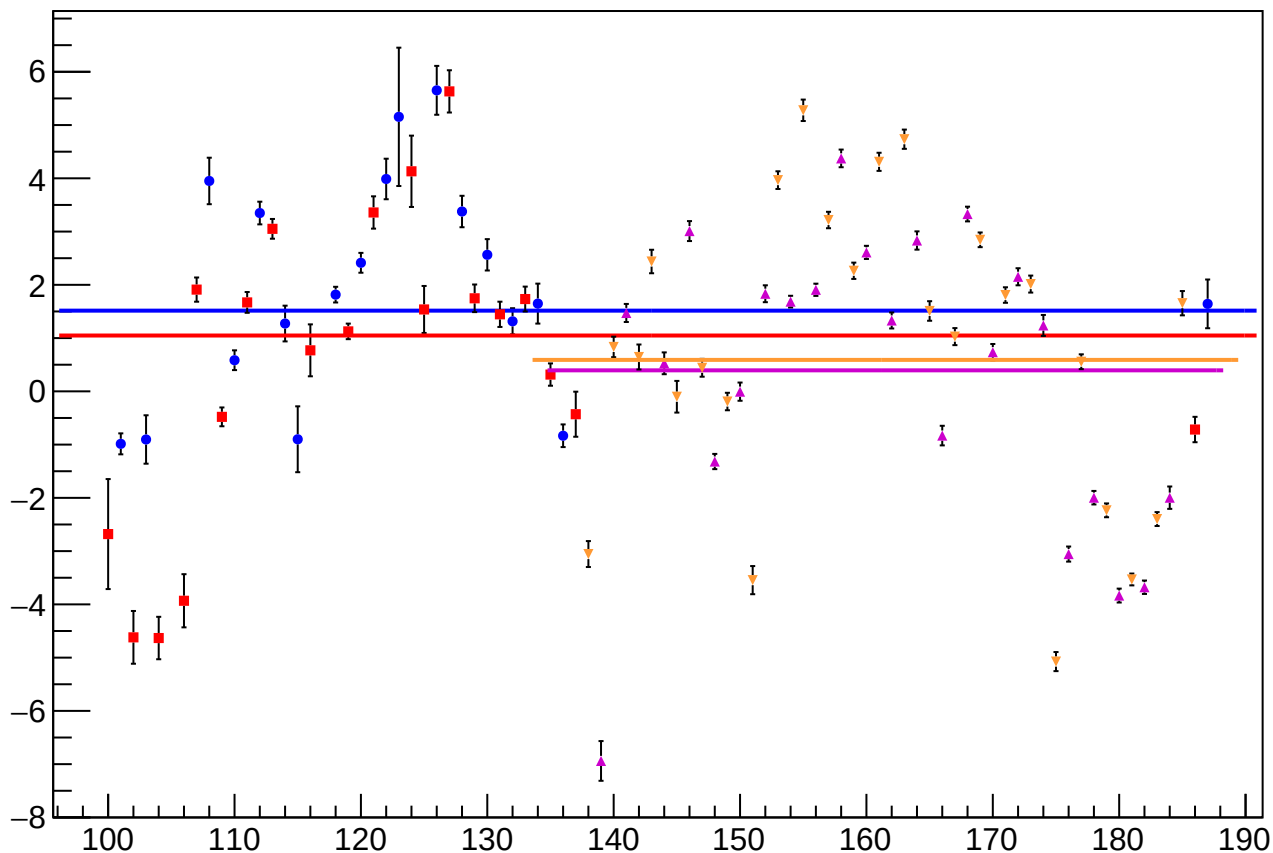
Right: 1.739+/-0.160 χ^2/NDF : 5.0/1

In: -16.989+/-0.039 χ^2/NDF : 48262.5/23

Out: -17.716+/-0.039 χ^2/NDF : 97175.6/25

All: -17.348+/-0.028 χ^2/NDF : 145611.5/49

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.515 ± 0.062 χ^2/NDF : 669.8/17

Left Out: 0.590 ± 0.033 χ^2/NDF : 6780.3/24

Right Out: 1.048 ± 0.058 χ^2/NDF : 975.3/19

Left In: 0.394 ± 0.032 χ^2/NDF : 6112.7/22

Left: 0.487 ± 0.023 χ^2/NDF : 12911.2/47

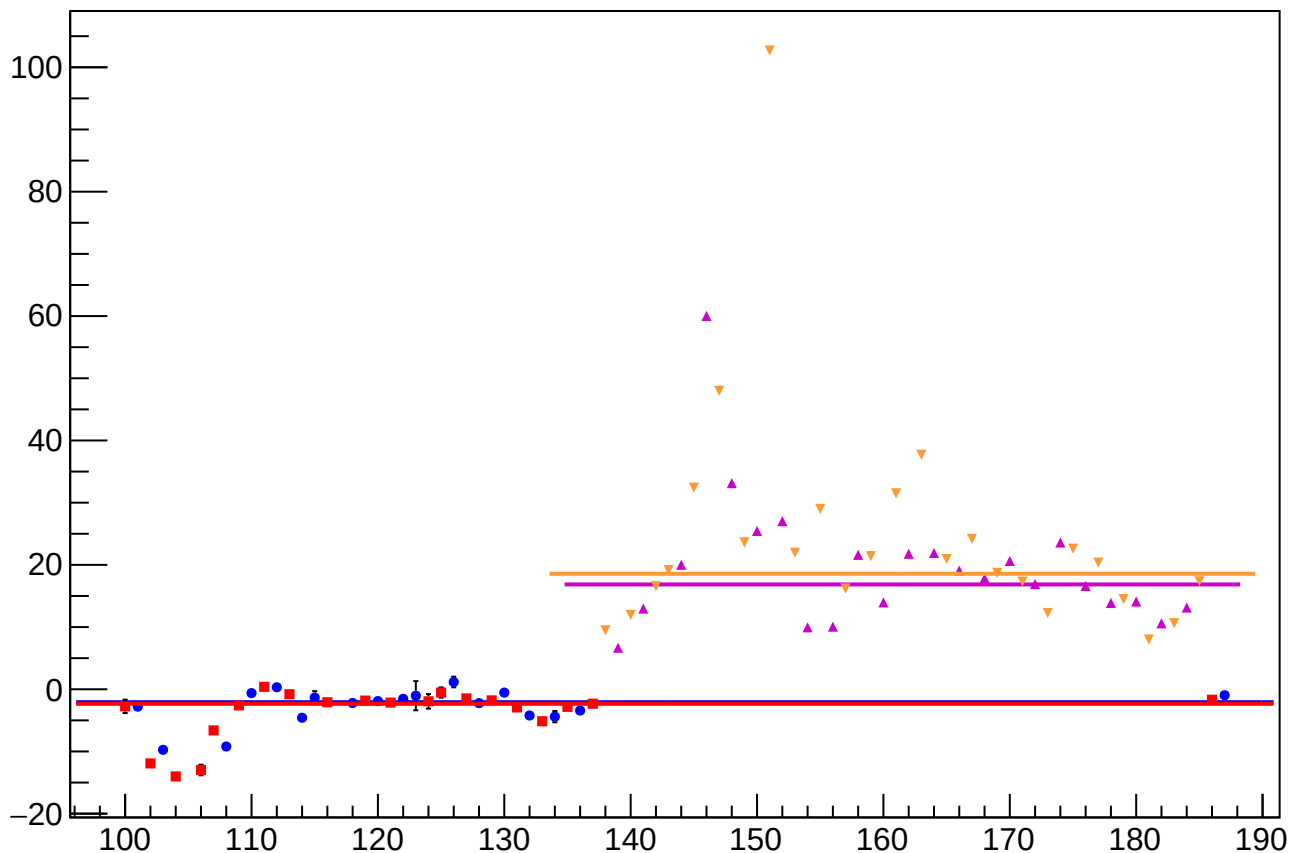
Right: 1.267 ± 0.042 χ^2/NDF : 1675.2/37

In: 0.625 ± 0.028 χ^2/NDF : 7041.2/40

Out: 0.703 ± 0.029 χ^2/NDF : 7802.1/44

All: 0.663 ± 0.020 χ^2/NDF : 14847.0/85

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.080 ± 0.103 χ^2/NDF : 468.4/17

Left Out: 18.569 ± 0.040 χ^2/NDF : 75983.2/24

Right Out: -2.334 ± 0.086 χ^2/NDF : 866.1/19

Left In: 16.854 ± 0.039 χ^2/NDF : 40590.0/22

Left: 17.679 ± 0.028 χ^2/NDF : 117514.0/47

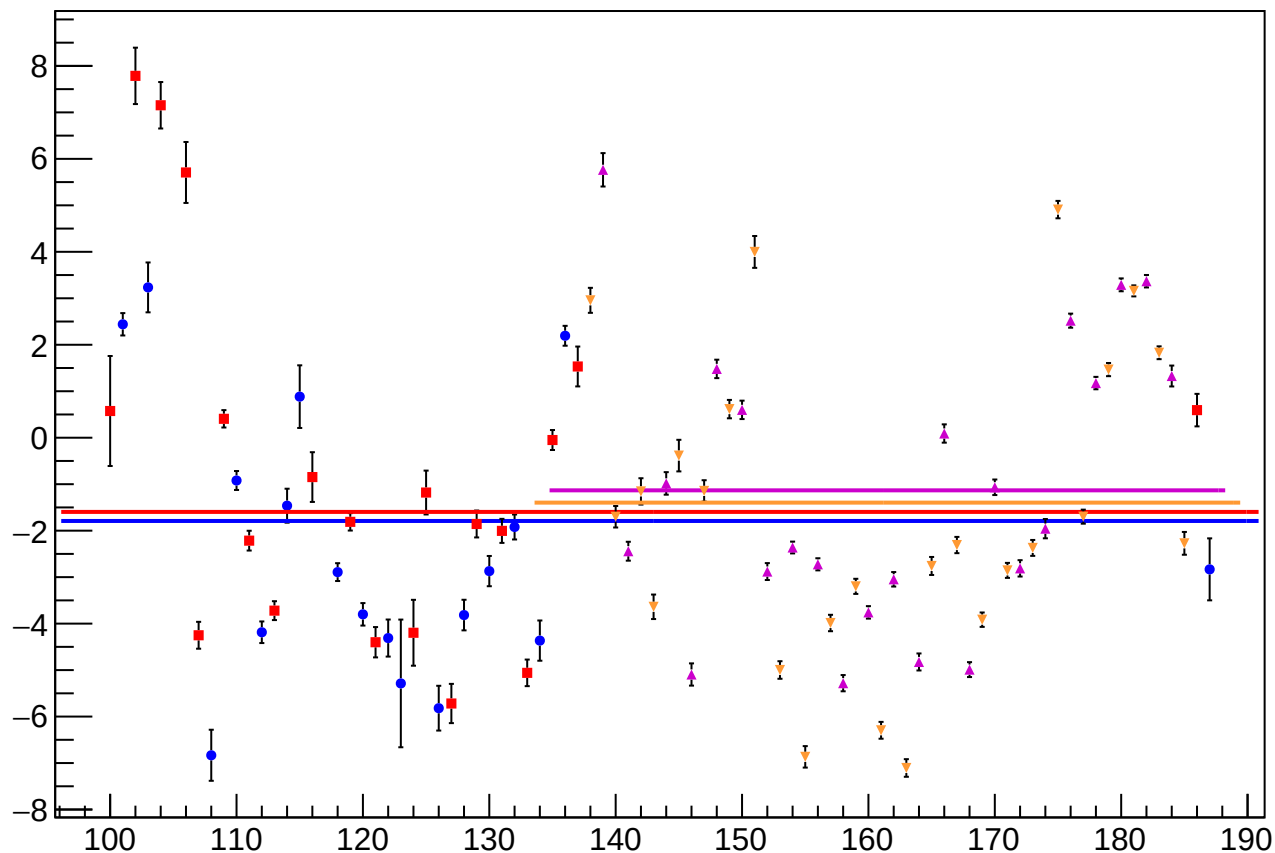
Right: -2.229 ± 0.066 χ^2/NDF : 1338.1/37

In: 14.490 ± 0.036 χ^2/NDF : 70833.6/40

Out: 14.796 ± 0.036 χ^2/NDF : 125413.5/44

All: 14.642 ± 0.026 χ^2/NDF : 196282.5/85

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.791 ± 0.072 $\chi^2/\text{NDF}: 1274.5/17$

Left Out: -1.397 ± 0.037 $\chi^2/\text{NDF}: 7631.3/24$

Right Out: -1.596 ± 0.067 $\chi^2/\text{NDF}: 1470.3/19$

Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6638.3/22$

Left: -1.258 ± 0.025 $\chi^2/\text{NDF}: 14296.5/47$

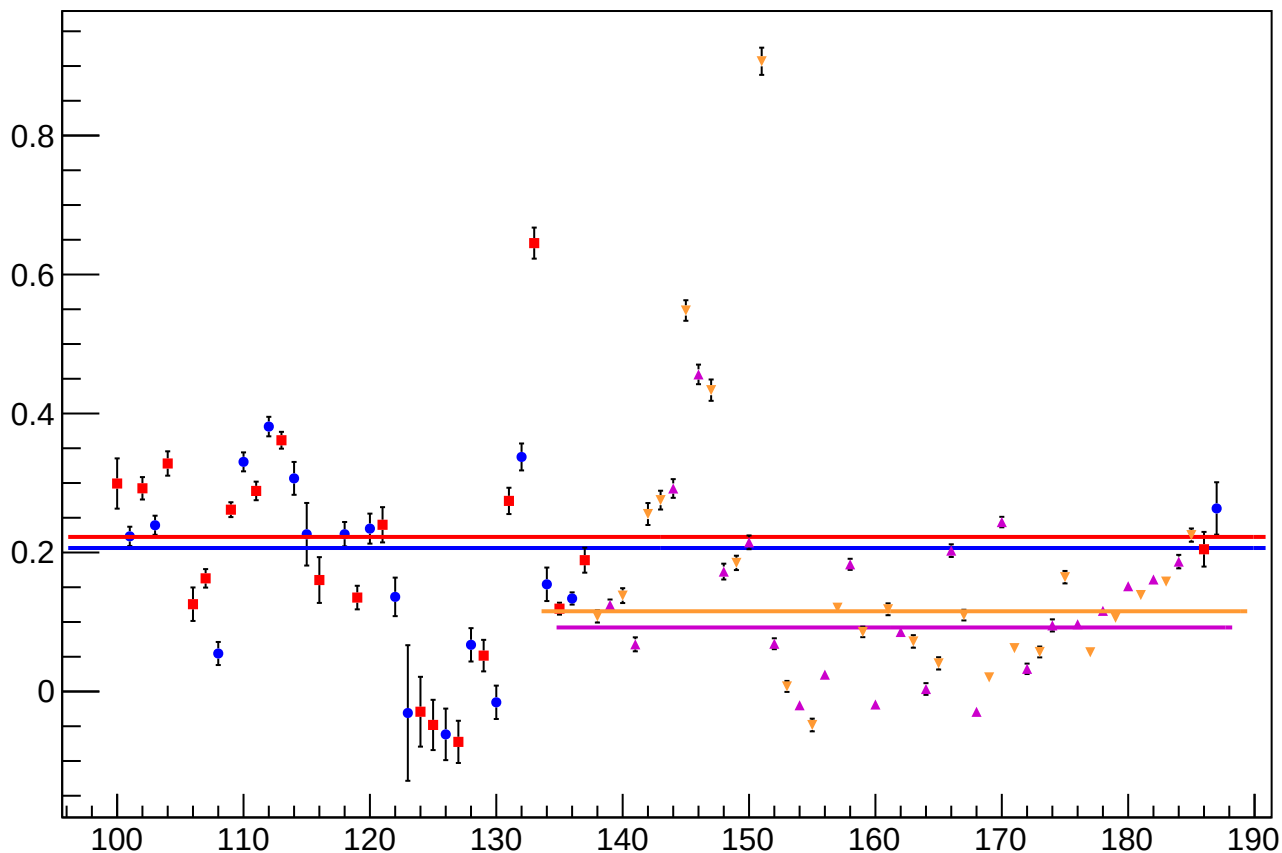
Right: -1.687 ± 0.049 $\chi^2/\text{NDF}: 2748.7/37$

In: -1.259 ± 0.032 $\chi^2/\text{NDF}: 7980.7/40$

Out: -1.443 ± 0.032 $\chi^2/\text{NDF}: 9108.4/44$

All: -1.349 ± 0.023 $\chi^2/\text{NDF}: 17105.8/85$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.206 $\pm$ 0.004 χ^2/NDF : 654.1/17

Left Out: 0.115 $\pm$ 0.002 χ^2/NDF :4423.4/24

Right Out: 0.222 $\pm$ 0.004 χ^2/NDF : 1042.7/19

Left In: 0.092 $\pm$ 0.002 χ^2/NDF :3632.6/22

Left: 0.103 $\pm$ 0.001 χ^2/NDF : 8162.4/47

Right: 0.215 $\pm$ 0.003 χ^2/NDF : 1704.7/37

In: 0.106 $\pm$ 0.001 χ^2/NDF :4931.6/40

Out: 0.133 $\pm$ 0.002 χ^2/NDF :6135.4/44

All: 0.118 $\pm$ 0.001 χ^2/NDF : 11232.0/85