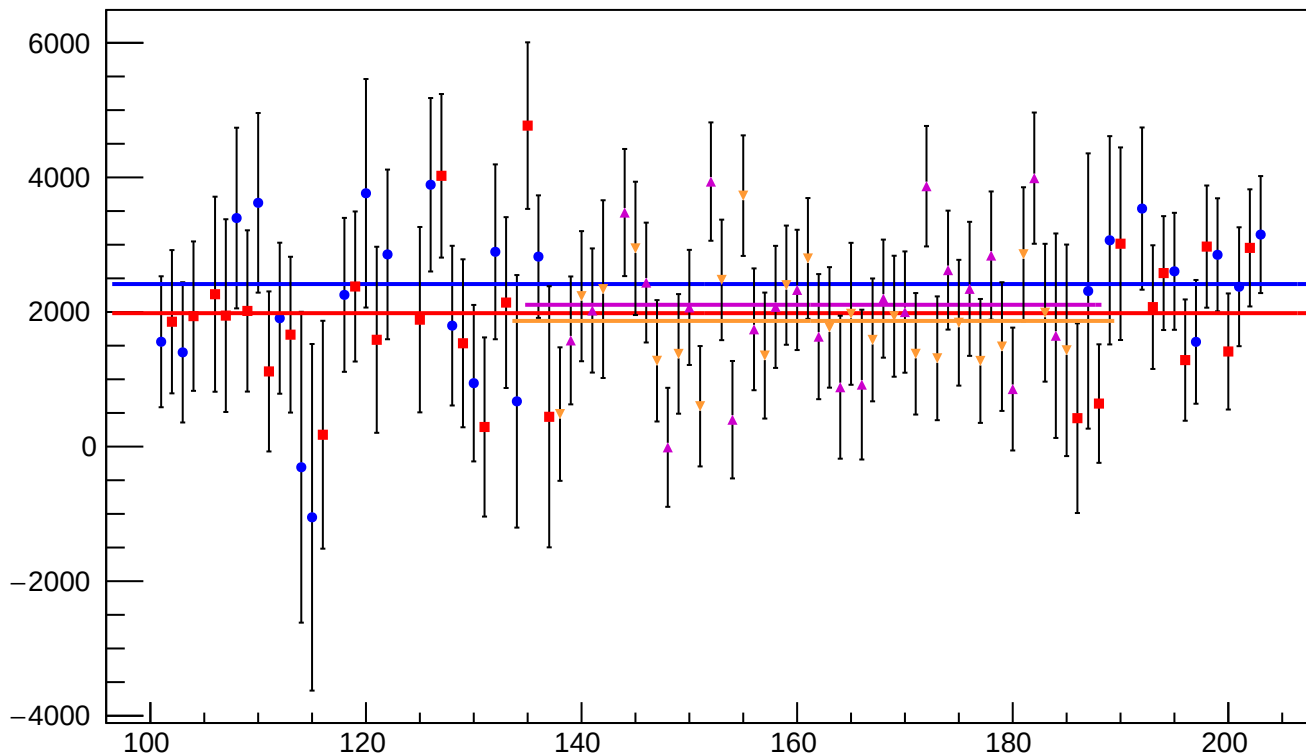


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2415.321+/-235.873

χ^2/NDF : 14.6/23

Left Out: 1867.512+/-194.801

χ^2/NDF :15.1/23

Right Out: 1982.826+/-221.387

χ^2/NDF : 20.3/25

Left In: 2107.246+/-194.959

χ^2/NDF :30.0/22

Left: 1987.282+/-137.801

χ^2/NDF : 45.9/46

Right: 2185.385+/-161.423

χ^2/NDF : 36.7/49

In: 2232.289+/-150.273

χ^2/NDF :45.6/46

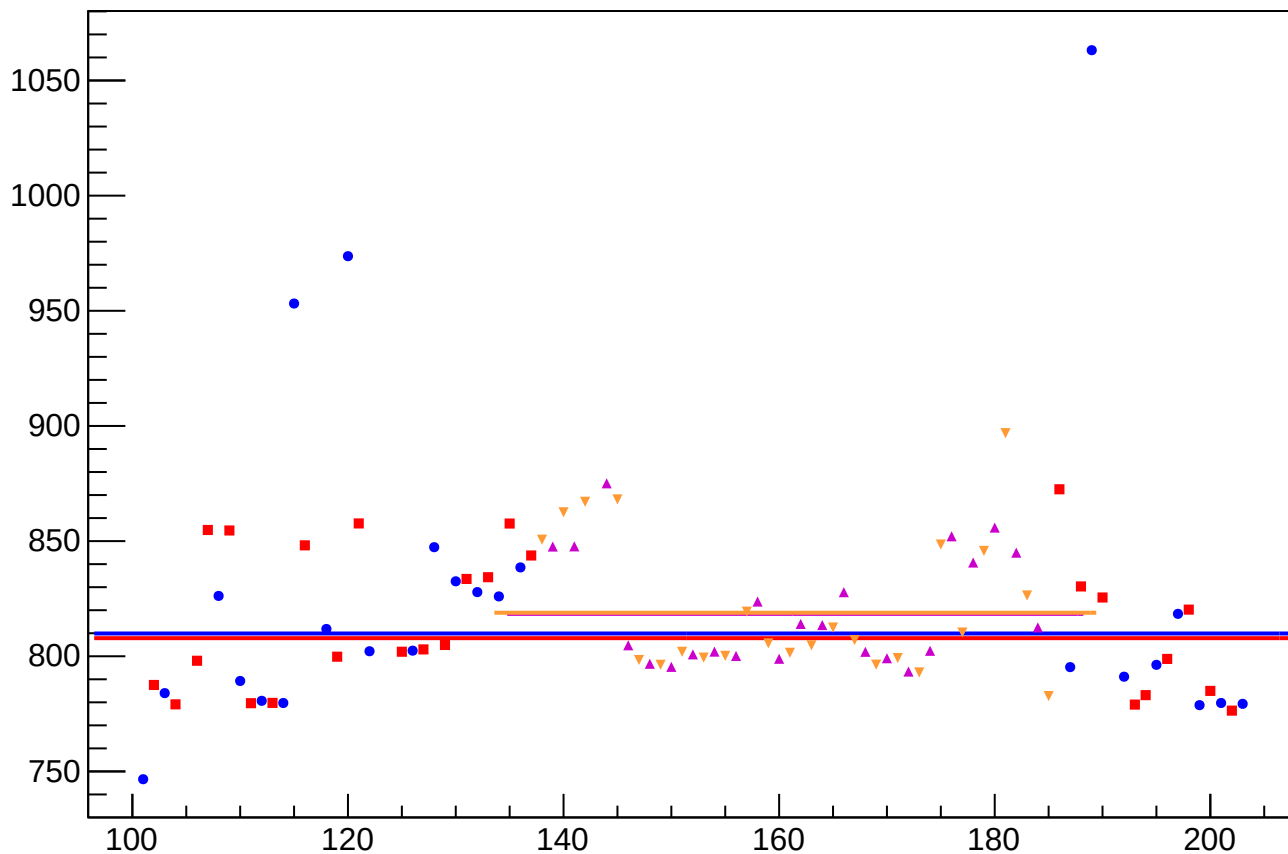
Out: 1917.833+/-146.246

χ^2/NDF :35.6/49

All: 2070.792+/-104.806

χ^2/NDF : 83.4/96

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 809.889 $\pm$ 0.167 χ^2 /NDF: 104743.0/23

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

Right Out: 807.860 $\pm$ 0.157 χ^2 /NDF: 33198.9/25

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

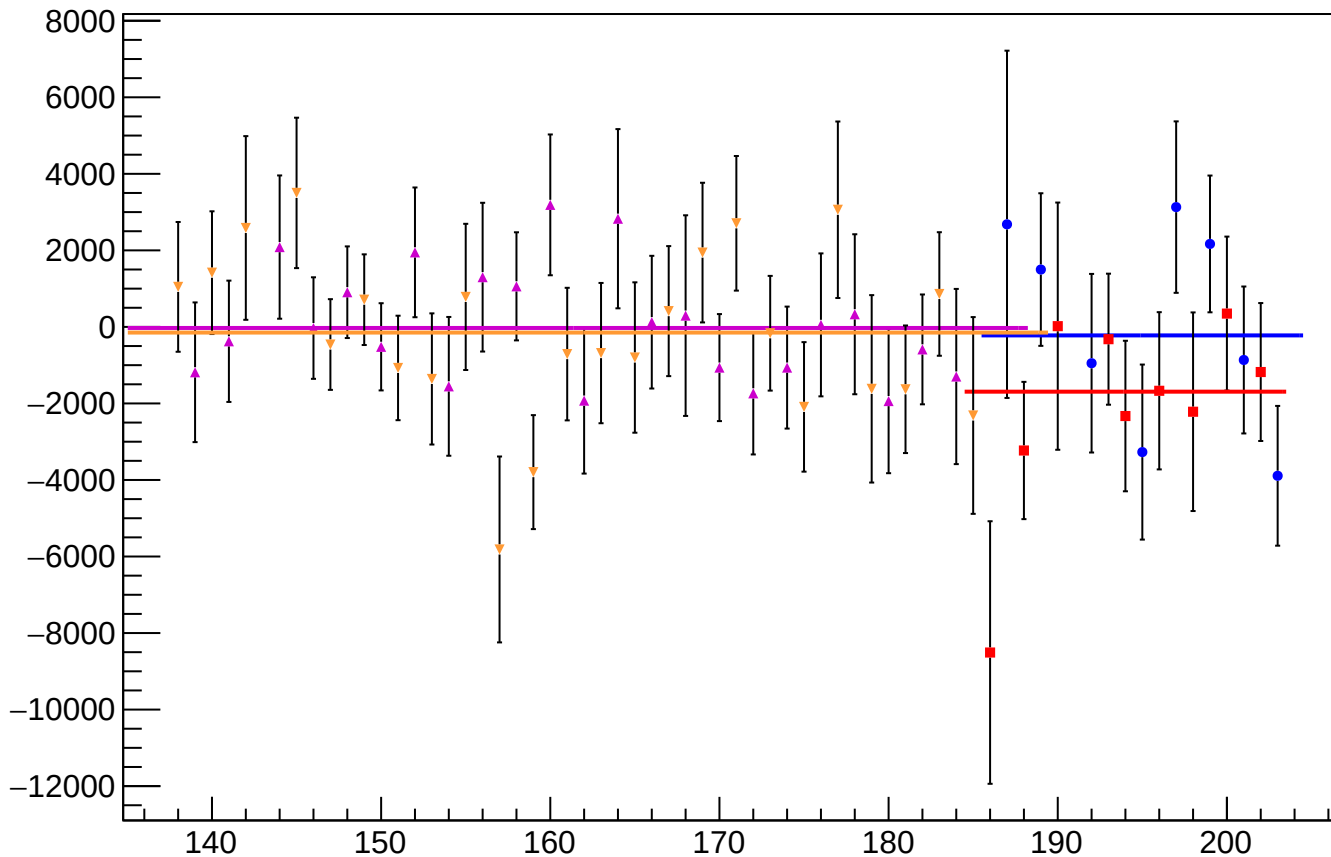
Right: 808.811 $\pm$ 0.114 χ^2 /NDF: 138020.5/49

In: 814.947 $\pm$ 0.106 χ^2 /NDF:136198.0/46

Out: 814.083 $\pm$ 0.103 χ^2 /NDF:77672.8/49

All: 814.503 $\pm$ 0.074 χ^2 /NDF: 213904.8/96

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: -222.156 $\pm$ 754.087 χ^2 /NDF: 11.2/7

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

Right Out: -1692.425 $\pm$ 701.551 χ^2 /NDF: 6.9/8

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

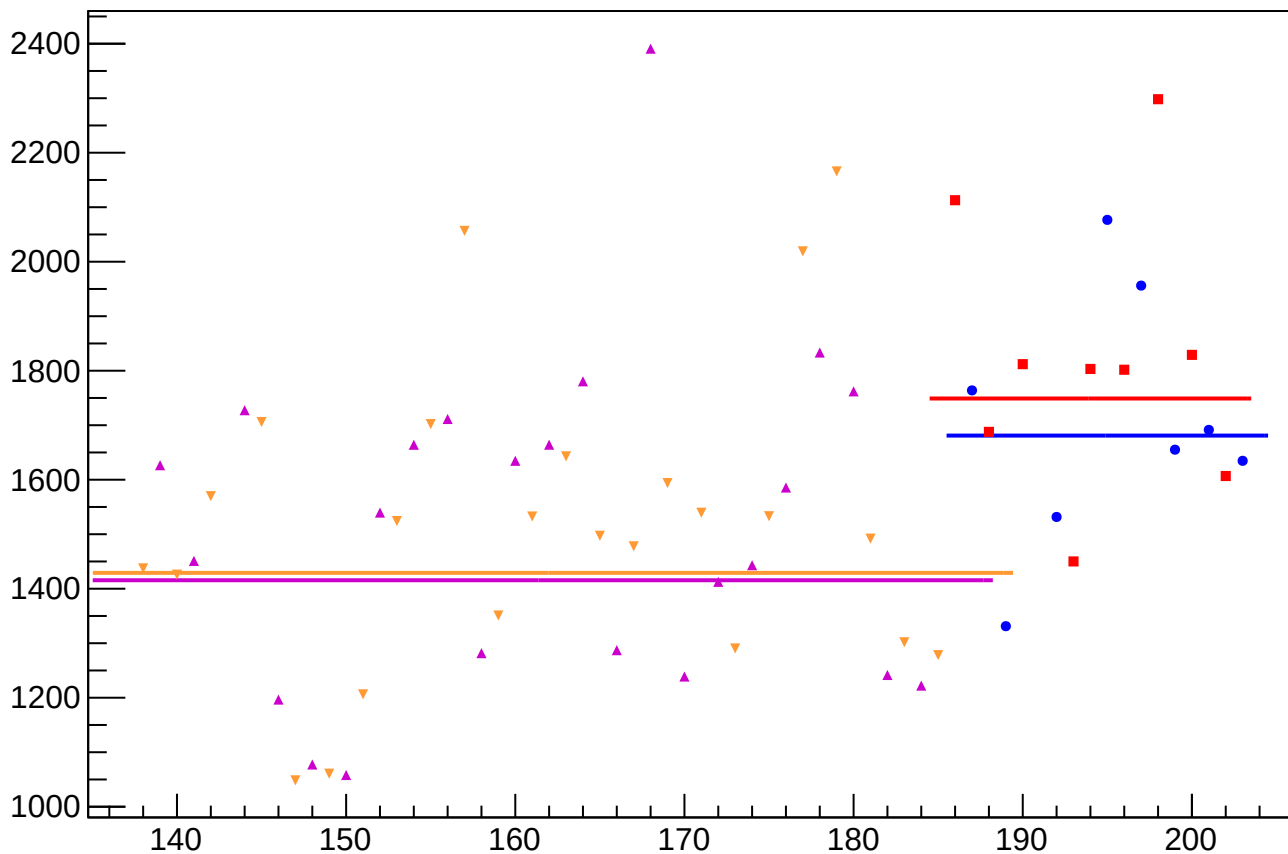
Right: -1010.286 $\pm$ 513.641 χ^2 /NDF: 20.1/16

In: -61.251 $\pm$ 313.146 χ^2 /NDF:26.1/30

Out: -452.517 $\pm$ 311.573 χ^2 /NDF:40.0/32

All: -257.869 $\pm$ 220.869 χ^2 /NDF: 66.9/63

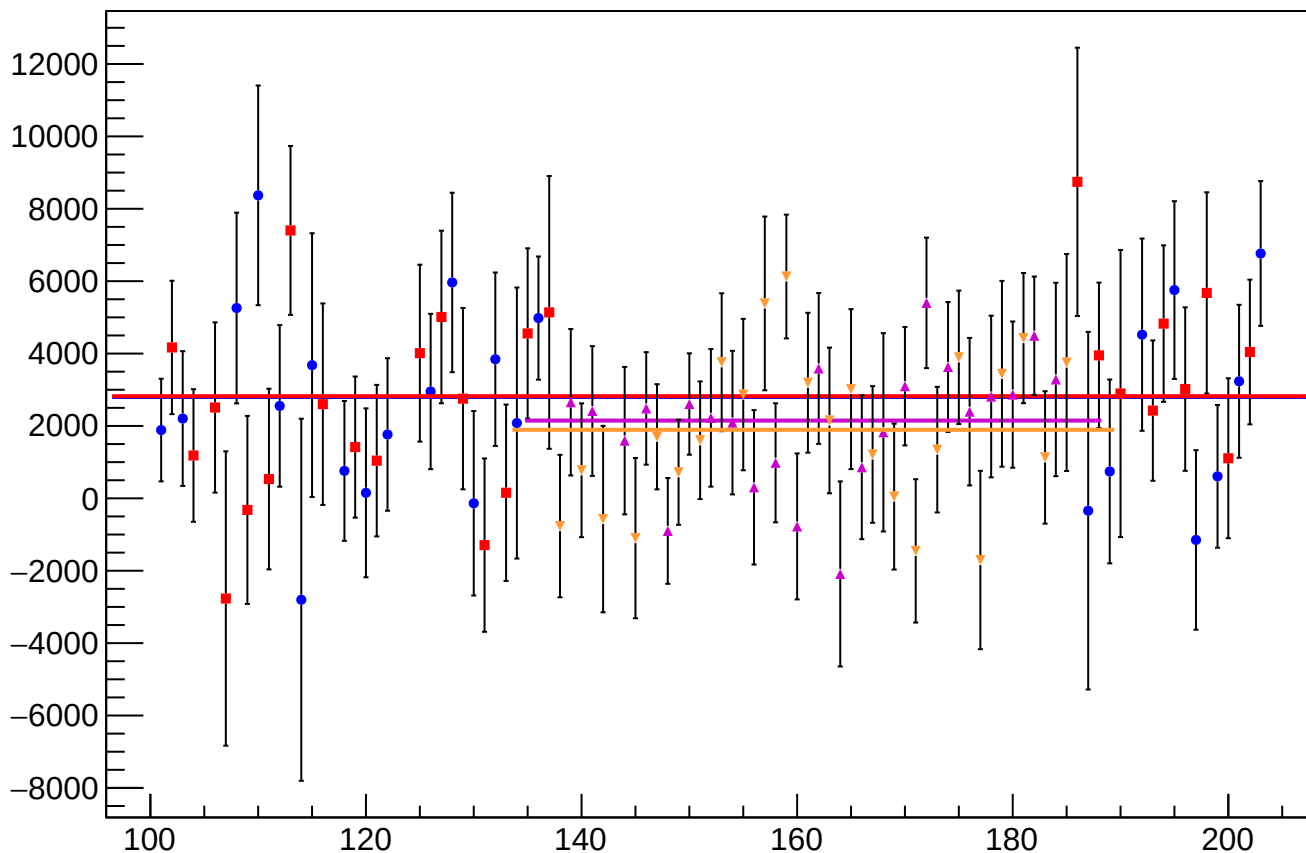
asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1680.979 $\pm$ 0.533 χ^2 /NDF: 162220.0/7
 Left Out: 1429.065 $\pm$ 0.246 χ^2 /NDF:1106949.6/23
 Right Out: 1749.023 $\pm$ 0.496 χ^2 /NDF: 194592.4/8
 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: 1717.454 $\pm$ 0.363 χ^2 /NDF: 365541.5/16
 In: 1461.326 $\pm$ 0.221 χ^2 /NDF:1612876.5/30
 Out: 1492.174 $\pm$ 0.220 χ^2 /NDF:1635493.9/32
 All: 1476.828 $\pm$ 0.156 χ^2 /NDF: 3258123.8/63

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2801.738 $\pm$ 468.658 χ^2 /NDF: 24.2/23

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

Right Out: 2822.647 $\pm$ 461.830 χ^2 /NDF: 22.6/25

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

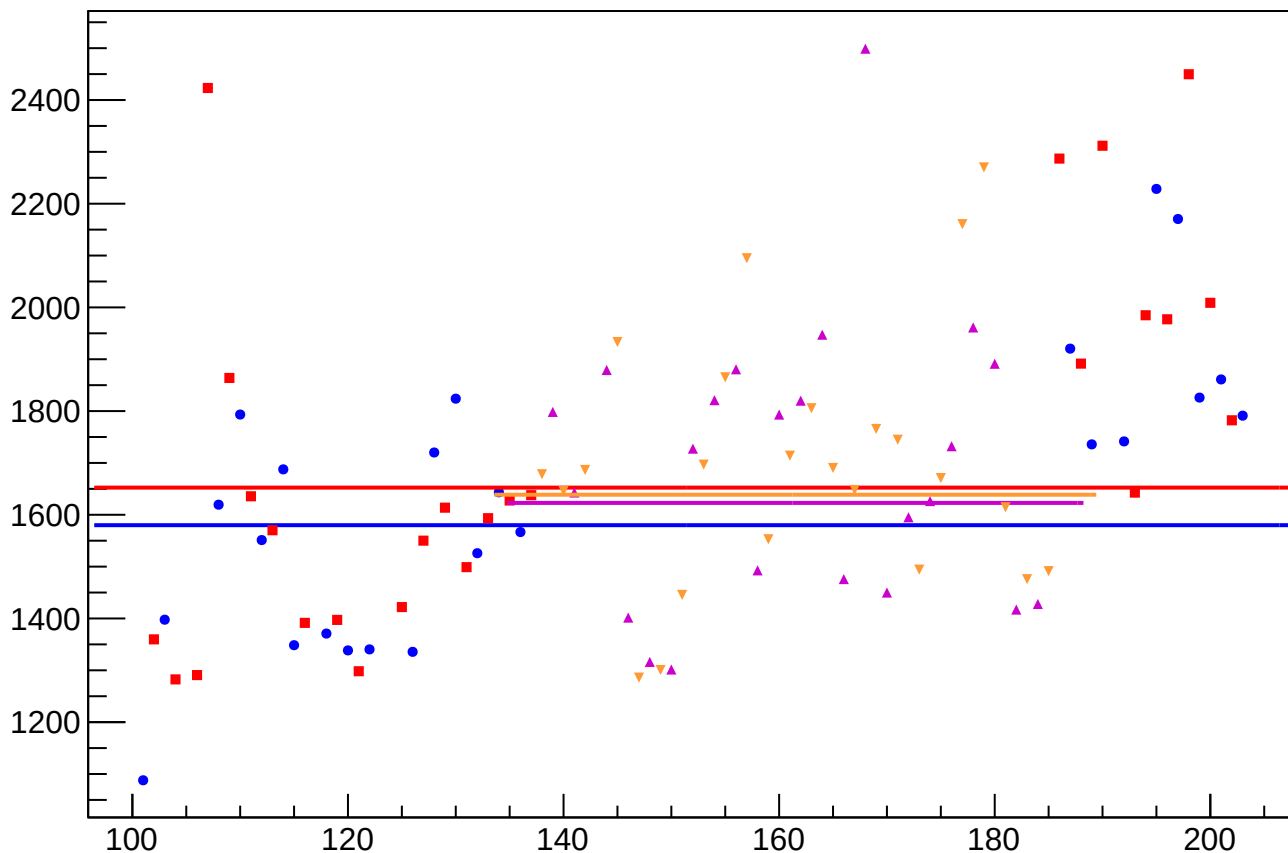
Right: 2812.346 $\pm$ 328.950 χ^2 /NDF: 46.8/49

In: 2417.380 $\pm$ 300.556 χ^2 /NDF:43.8/46

Out: 2285.238 $\pm$ 300.092 χ^2 /NDF:50.9/49

All: 2351.207 $\pm$ 212.361 χ^2 /NDF: 94.8/96

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1579.932 ± 0.331 $\chi^2/\text{NDF}: 768858.8/23$

Left Out: 1638.679 ± 0.279 $\chi^2/\text{NDF}: 671983.1/23$

Right Out: 1652.381 ± 0.327 $\chi^2/\text{NDF}: 863638.1/25$

Left In: 1622.876 ± 0.277 $\chi^2/\text{NDF}: 780522.2/22$

Left: 1630.716 ± 0.197 $\chi^2/\text{NDF}: 1454120.1/46$

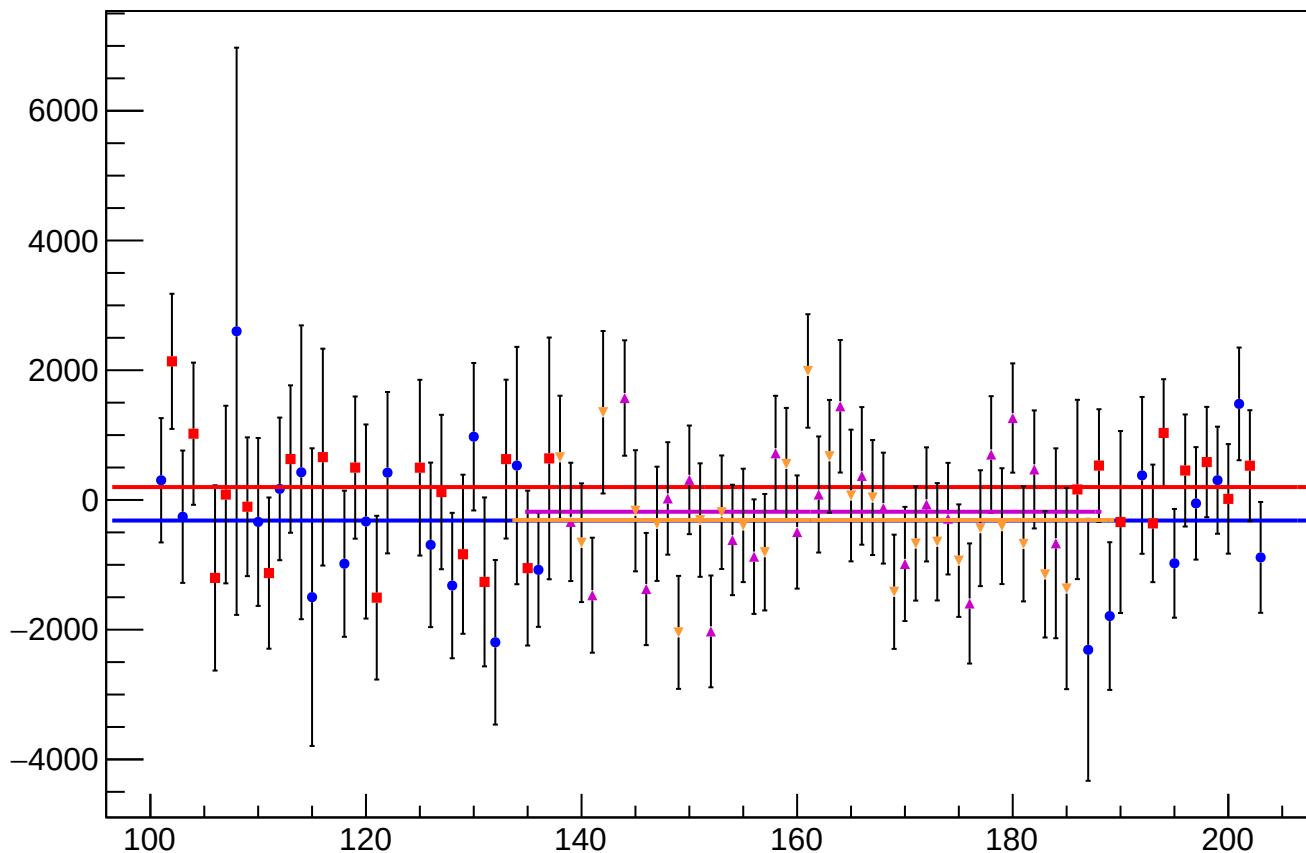
Right: 1616.688 ± 0.233 $\chi^2/\text{NDF}: 1656745.1/49$

In: 1605.214 ± 0.213 $\chi^2/\text{NDF}: 1559267.2/46$

Out: 1644.464 ± 0.212 $\chi^2/\text{NDF}: 1536638.3/49$

All: 1624.870 ± 0.150 $\chi^2/\text{NDF}: 3112986.3/96$

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -317.508 ± 230.554 χ^2/NDF : 16.5/23

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

Right Out: 198.863 ± 214.870 χ^2/NDF : 14.0/25

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

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

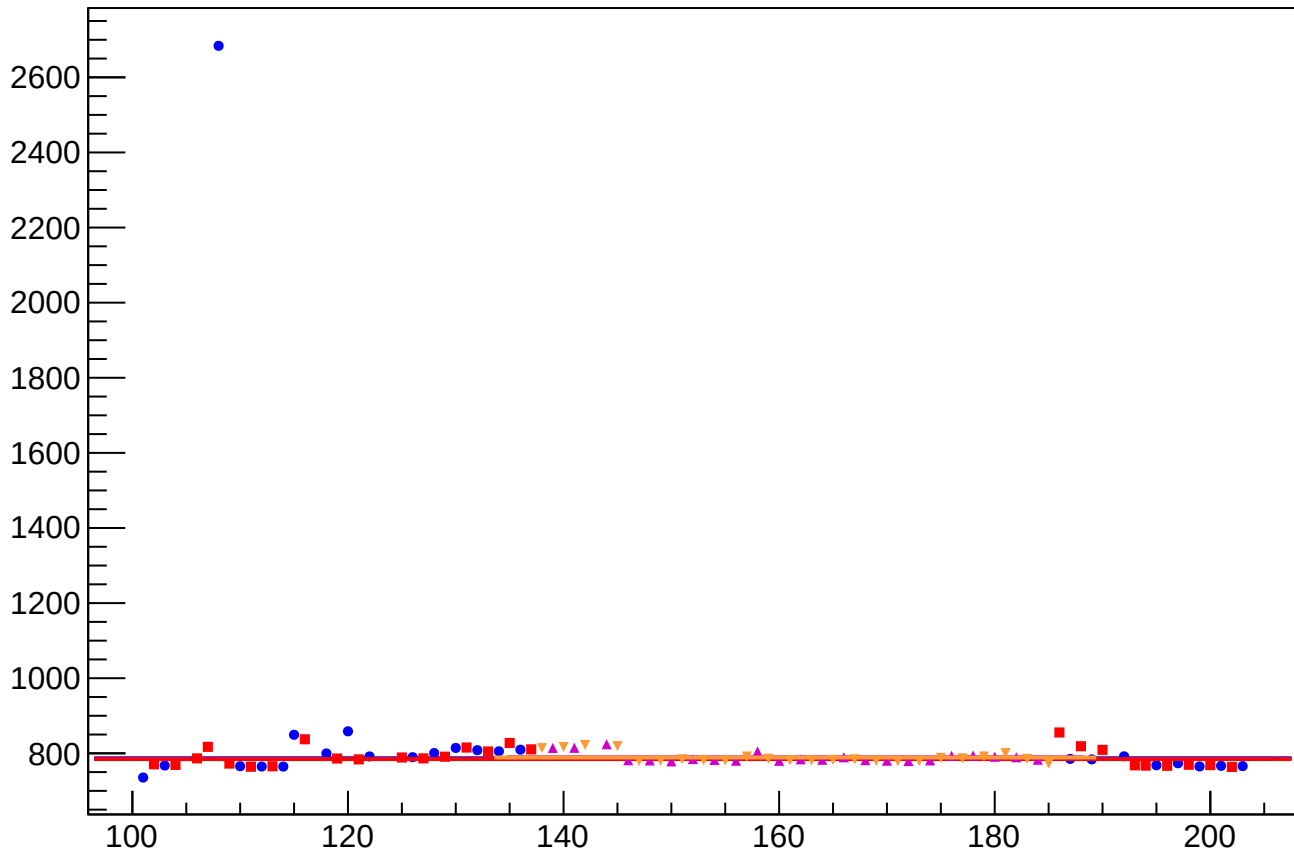
Right: -41.162 ± 157.188 χ^2/NDF : 33.1/49

In: -236.085 ± 145.670 χ^2/NDF : 42.2/46

Out: -89.422 ± 141.252 χ^2/NDF : 37.7/49

All: -160.496 ± 101.406 χ^2/NDF : 80.4/96

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 786.784 ± 0.163 χ^2/NDF : 399634.8/23

Left Out: 788.886 ± 0.133 χ^2/NDF : 9342.2/23

Right Out: 784.734 ± 0.152 χ^2/NDF : 23981.7/25

Left In: 789.406 ± 0.133 χ^2/NDF : 9219.1/22

Left: 789.145 ± 0.094 χ^2/NDF : 18569.0/46

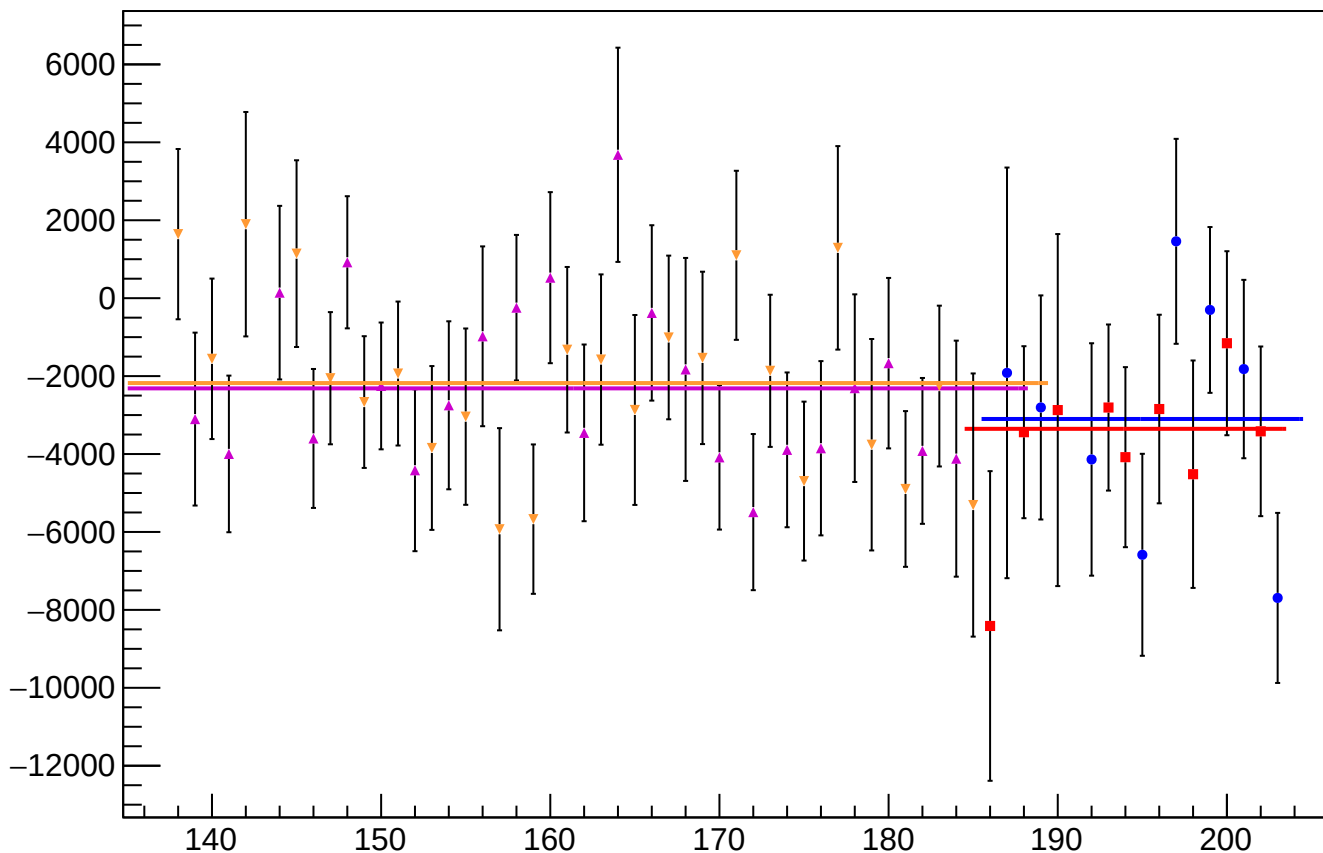
Right: 785.687 ± 0.111 χ^2/NDF : 423701.1/49

In: 788.359 ± 0.103 χ^2/NDF : 409009.4/46

Out: 787.091 ± 0.100 χ^2/NDF : 33748.0/49

All: 787.706 ± 0.072 χ^2/NDF : 442835.5/96

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -3100.244 $\pm$ 918.857 χ^2 /NDF: 11.5/7

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

Right Out: -3353.231 $\pm$ 844.117 χ^2 /NDF: 2.9/8

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

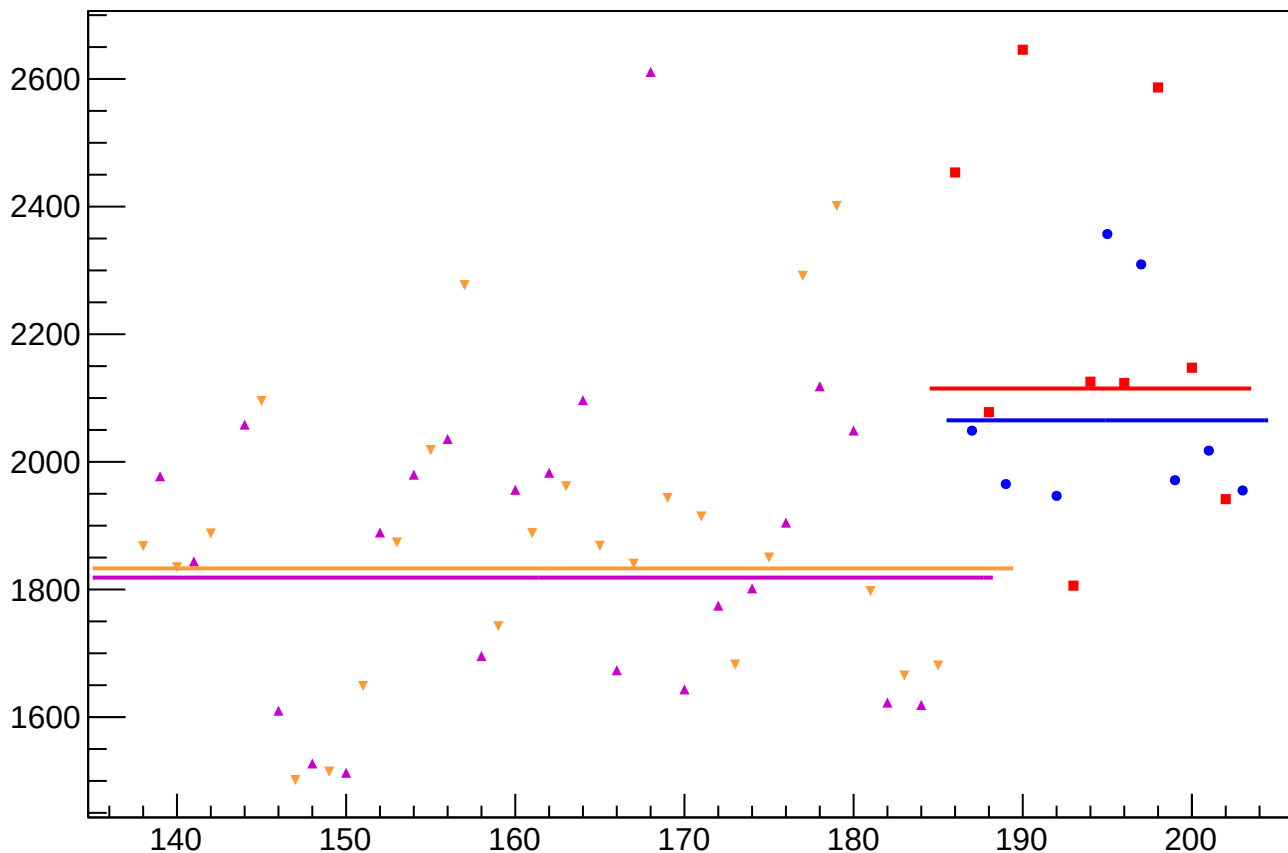
Right: -3237.443 $\pm$ 621.627 χ^2 /NDF: 14.4/16

In: -2459.988 $\pm$ 394.644 χ^2 /NDF:34.1/30

Out: -2429.157 $\pm$ 389.938 χ^2 /NDF:27.1/32

All: -2444.388 $\pm$ 277.377 χ^2 /NDF: 61.2/63

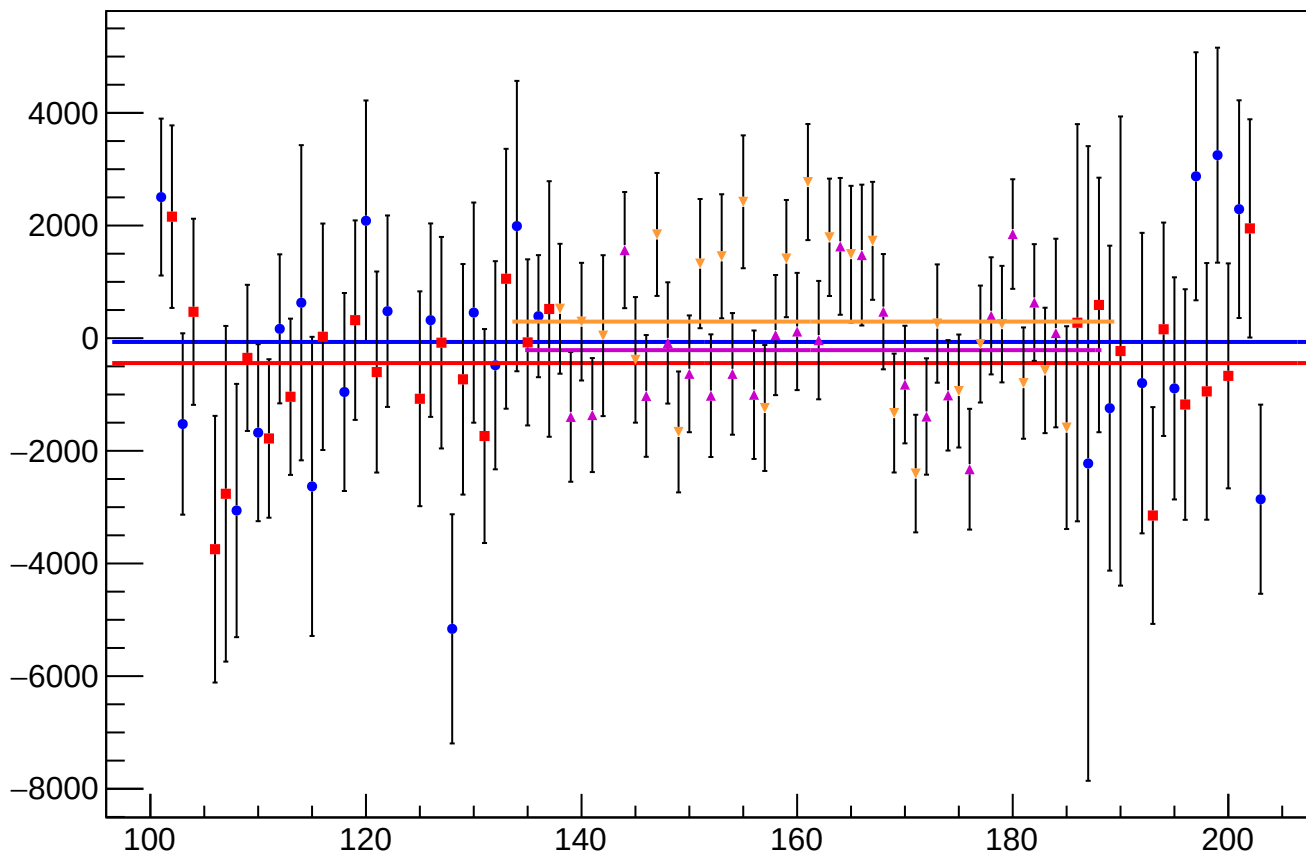
asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 2065.052 $\pm$ 0.650 χ^2/NDF : 58039.4/7
 Left Out: 1833.028 $\pm$ 0.311 χ^2/NDF : 465466.9/23
 Right Out: 2114.926 $\pm$ 0.597 χ^2/NDF : 150110.9/8
 Left In: 1818.594 $\pm$ 0.309 χ^2/NDF : 536826.7/22

Left: 1825.767 $\pm$ 0.219 χ^2/NDF : 1003377.8/46
 Right: 2092.100 $\pm$ 0.440 χ^2/NDF : 211345.7/16
 In: 1864.057 $\pm$ 0.279 χ^2/NDF : 712210.5/30
 Out: 1893.184 $\pm$ 0.276 χ^2/NDF : 791032.5/32
 All: 1878.795 $\pm$ 0.196 χ^2/NDF : 1508755.4/63

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -66.934 ± 377.334 $\chi^2/\text{NDF}: 26.3/23$

Left Out: 294.652 ± 224.344 $\chi^2/\text{NDF}: 38.3/23$

Right Out: -441.574 ± 370.511 $\chi^2/\text{NDF}: 12.1/25$

Left In: -212.080 ± 224.701 $\chi^2/\text{NDF}: 23.7/22$

Left: 41.688 ± 158.761 $\chi^2/\text{NDF}: 64.6/46$

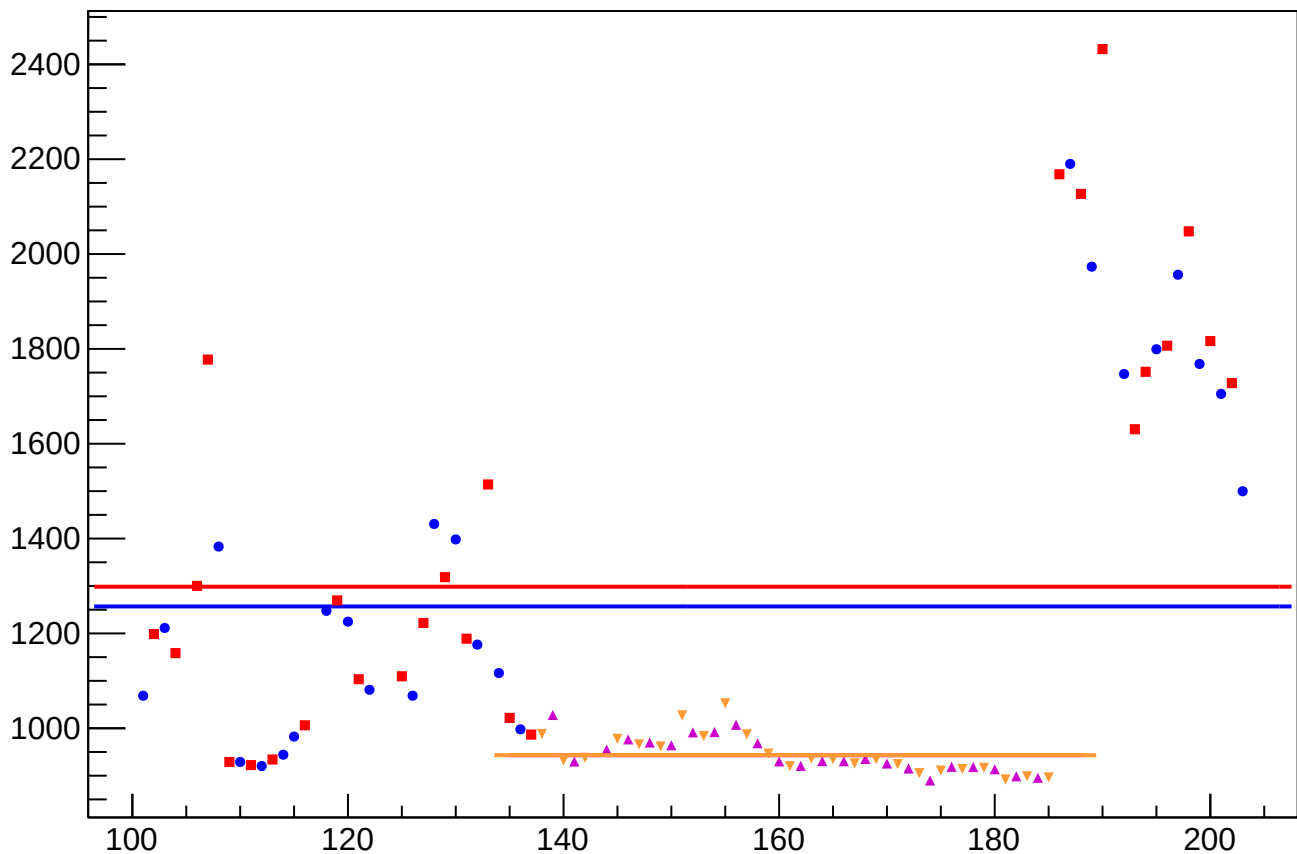
Right: -257.672 ± 264.370 $\chi^2/\text{NDF}: 38.9/49$

In: -174.084 ± 193.062 $\chi^2/\text{NDF}: 50.2/46$

Out: 97.142 ± 191.907 $\chi^2/\text{NDF}: 53.3/49$

All: -37.657 ± 136.105 $\chi^2/\text{NDF}: 104.5/96$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1256.907 $\pm$ 0.267 χ^2/NDF : 1394303.2/23

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

Right Out: 1298.517 $\pm$ 0.262 χ^2/NDF : 2023968.8/25

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

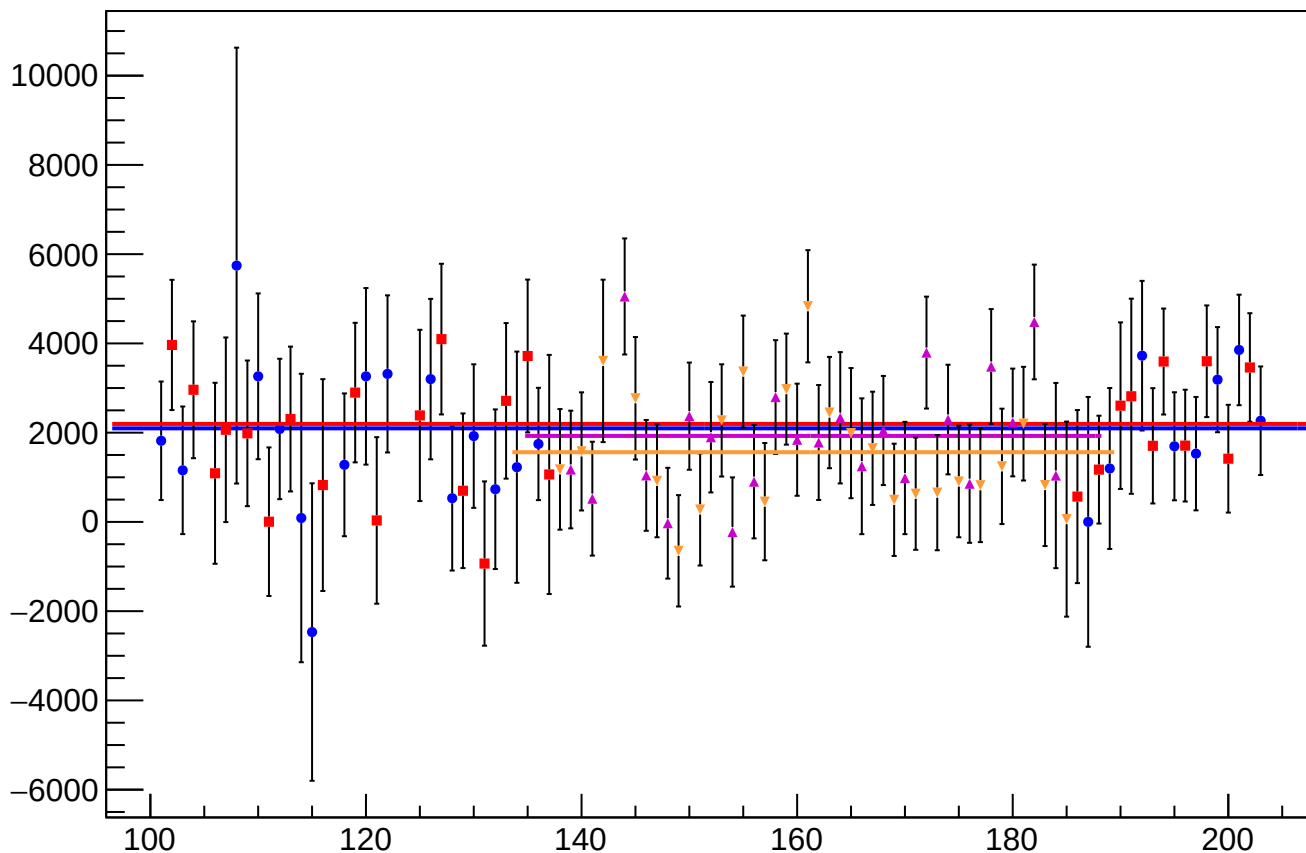
Right: 1278.092 $\pm$ 0.187 χ^2/NDF : 3430654.0/49

In: 1025.276 $\pm$ 0.137 χ^2/NDF : 2465160.0/46

Out: 1038.615 $\pm$ 0.136 χ^2/NDF : 3429300.9/49

All: 1031.986 $\pm$ 0.096 χ^2/NDF : 5899262.9/96

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2096.267 $\pm$ 328.667 χ^2 /NDF: 11.8/23

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

Right Out: 2195.687 $\pm$ 304.076 χ^2 /NDF: 17.6/26

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

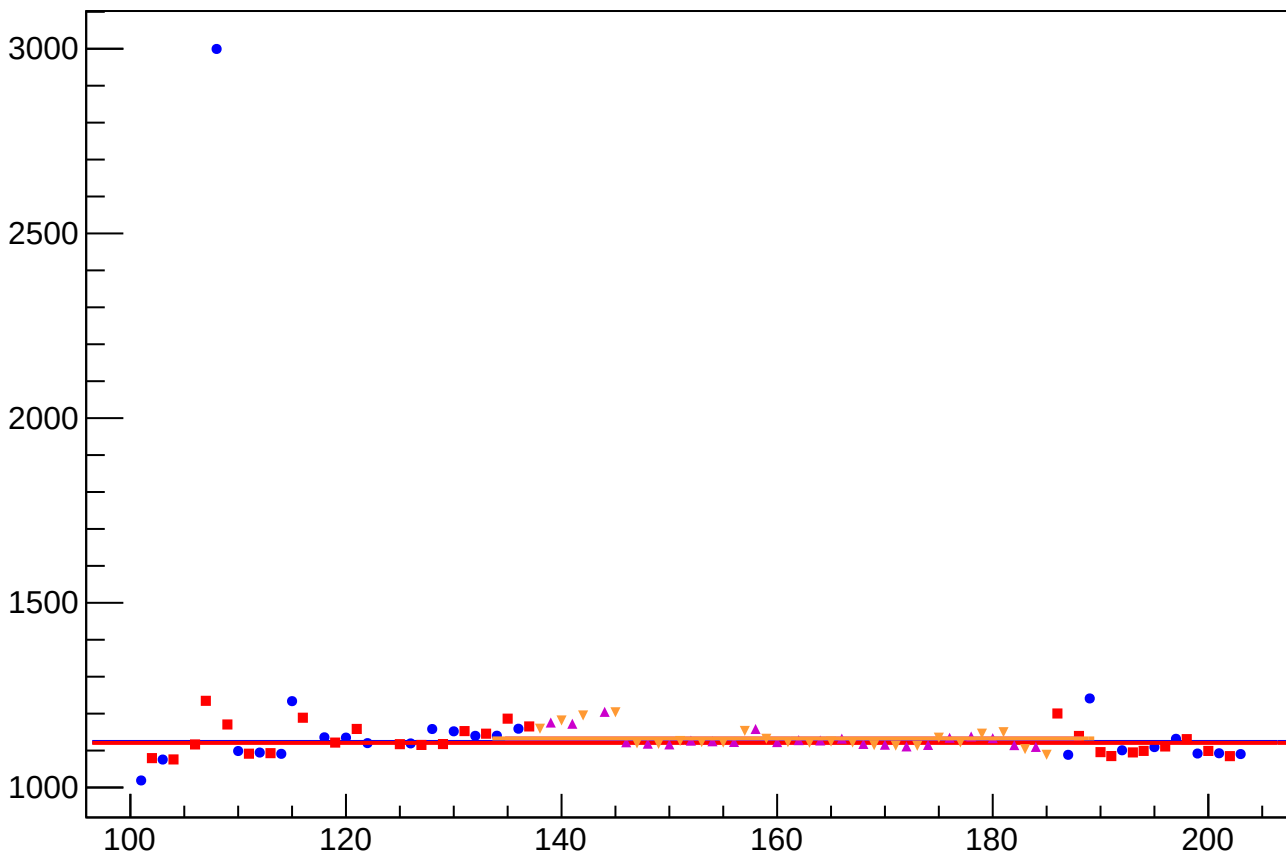
Right: 2149.835 $\pm$ 223.202 χ^2 /NDF: 29.5/50

In: 1995.061 $\pm$ 208.475 χ^2 /NDF:36.1/46

Out: 1840.569 $\pm$ 201.591 χ^2 /NDF:41.8/50

All: 1915.222 $\pm$ 144.919 χ^2 /NDF: 78.2/97

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1123.267 $\pm$ 0.232 χ^2 /NDF: 330467.2/23

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

Right Out: 1120.773 $\pm$ 0.215 χ^2 /NDF: 28293.2/26

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

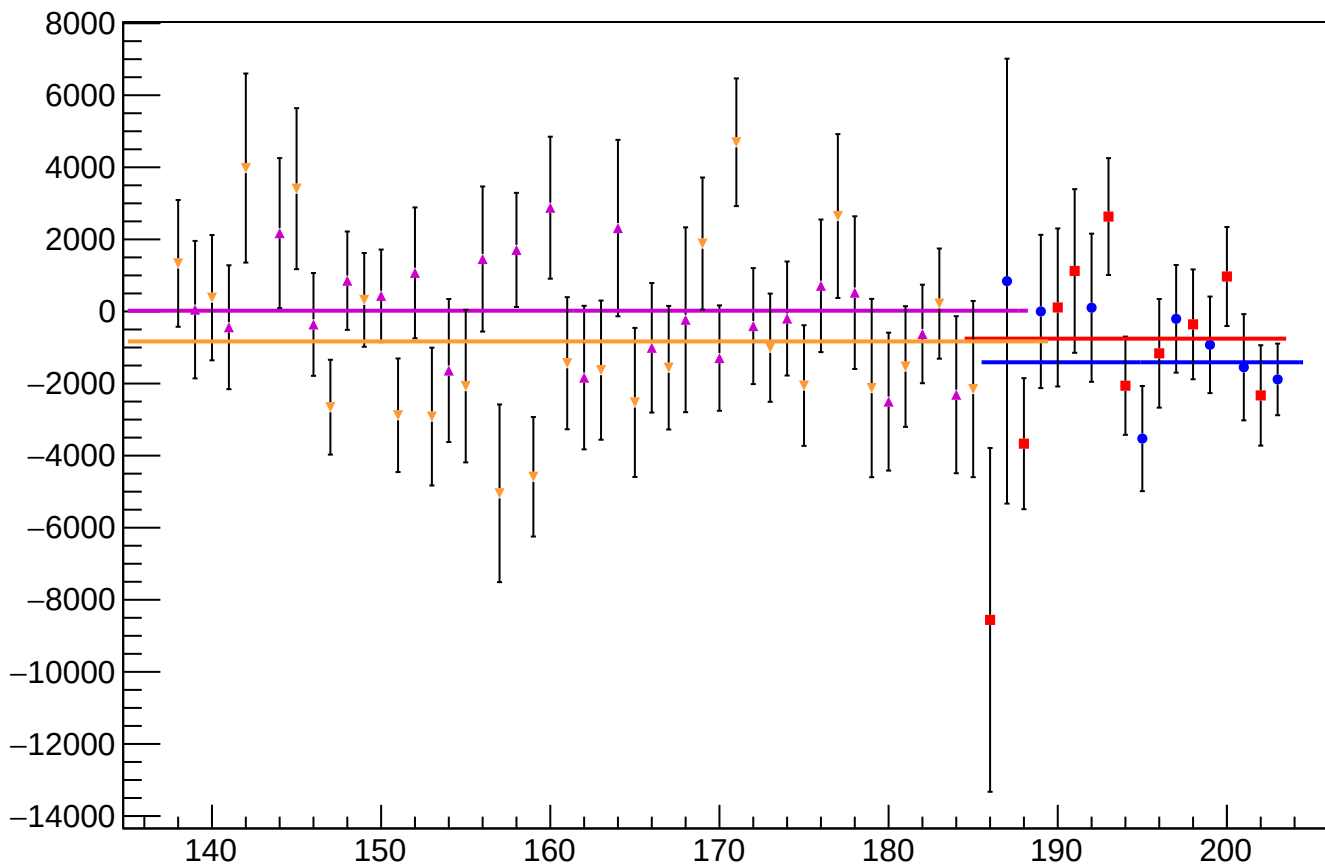
Right: 1121.923 $\pm$ 0.158 χ^2 /NDF: 358822.5/50

In: 1128.827 $\pm$ 0.147 χ^2 /NDF:345949.8/46

Out: 1127.560 $\pm$ 0.143 χ^2 /NDF:46857.8/50

All: 1128.172 $\pm$ 0.102 χ^2 /NDF: 392845.8/97

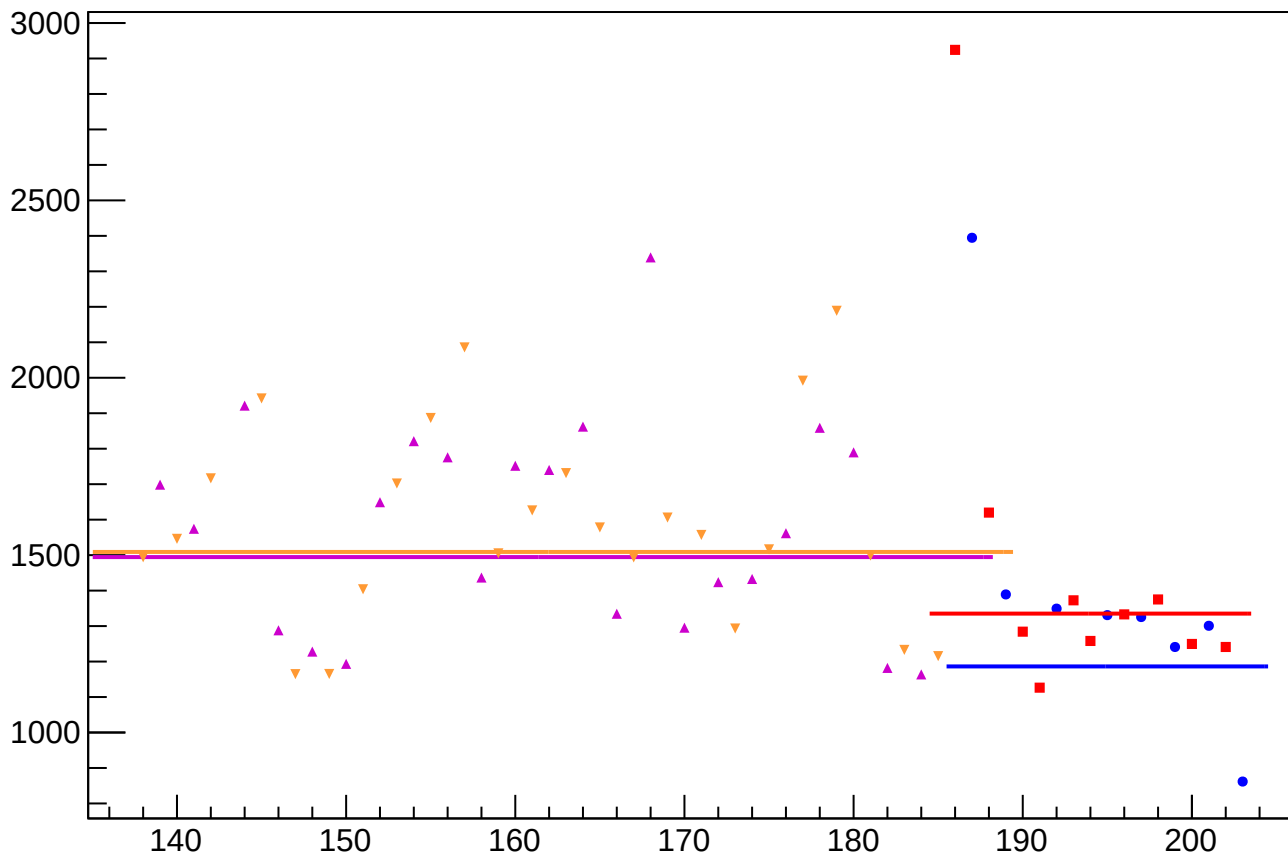
asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -1409.823 $\pm$ 539.758 χ^2/NDF : 4.2/7
 Left Out: -830.927 $\pm$ 366.086 χ^2/NDF :40.1/23
 Right Out: -754.315 $\pm$ 528.222 χ^2/NDF : 14.4/9
 Left In: 21.419 $\pm$ 362.476 χ^2/NDF :12.8/22

Left: -400.530 $\pm$ 257.576 χ^2/NDF : 55.6/46
 Right: -1074.989 $\pm$ 377.522 χ^2/NDF : 19.4/17
 In: -423.428 $\pm$ 300.918 χ^2/NDF :21.8/30
 Out: -806.069 $\pm$ 300.888 χ^2/NDF :54.5/33
 All: -614.767 $\pm$ 212.770 χ^2/NDF : 77.1/64

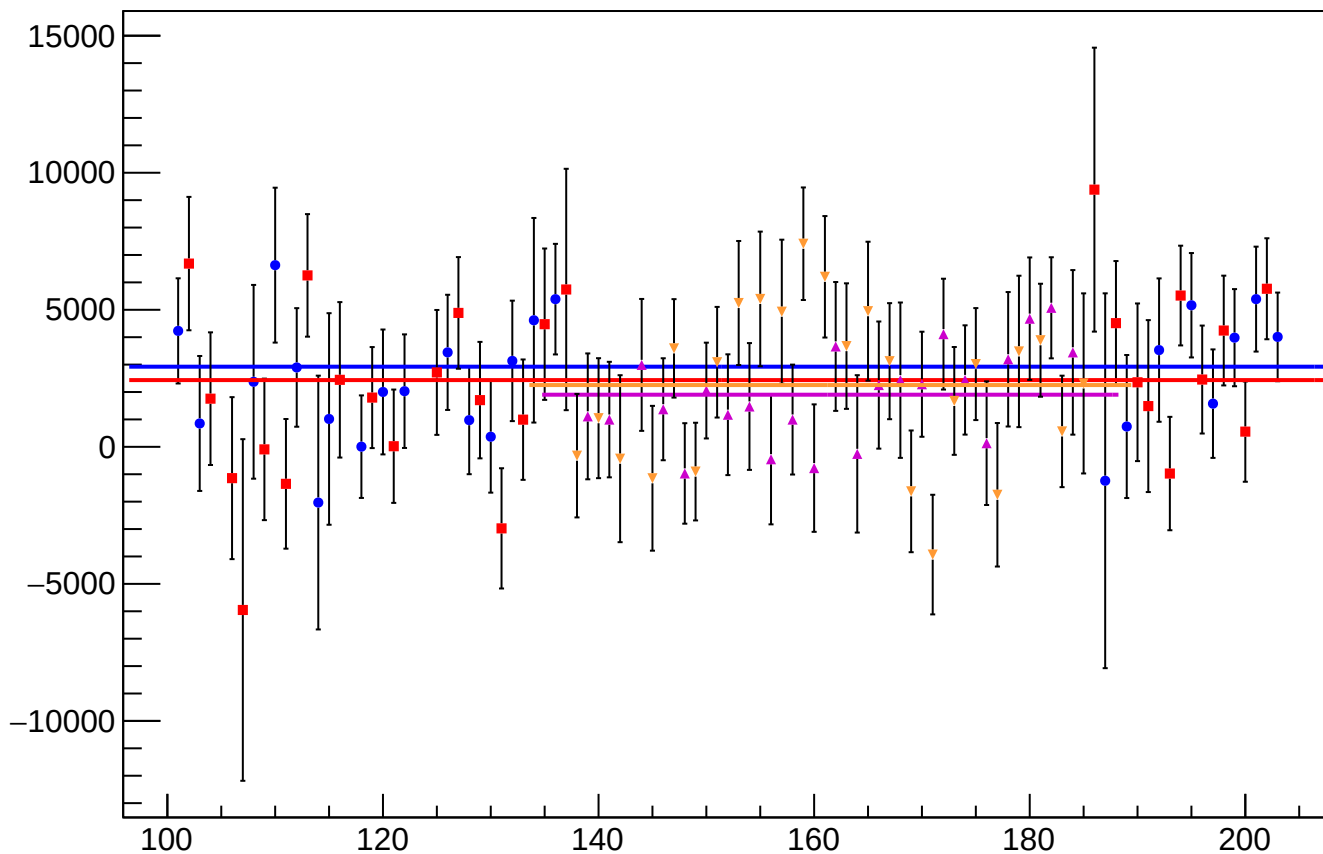
asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 1186.278 $\pm$ 0.382 χ^2 /NDF: 373249.1/7
 Left Out: 1508.993 $\pm$ 0.259 χ^2 /NDF:988673.2/23
 Right Out: 1335.173 $\pm$ 0.374 χ^2 /NDF: 314768.8/9
 Left In: 1494.507 $\pm$ 0.256 χ^2 /NDF:1096280.5/22

Left: 1501.678 $\pm$ 0.182 χ^2 /NDF: 2086534.9/46
 Right: 1262.334 $\pm$ 0.267 χ^2 /NDF: 765757.6/17
 In: 1398.706 $\pm$ 0.213 χ^2 /NDF:1919015.7/30
 Out: 1452.593 $\pm$ 0.213 χ^2 /NDF:1449739.8/33
 All: 1425.652 $\pm$ 0.150 χ^2 /NDF: 3400827.0/64

asym_usl_mean vs Slug, Sign Corrected



Right In: 2924.205 $\pm$ 458.914 χ^2 /NDF: 16.8/23

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

Right Out: 2434.940 $\pm$ 446.958 χ^2 /NDF: 37.0/26

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

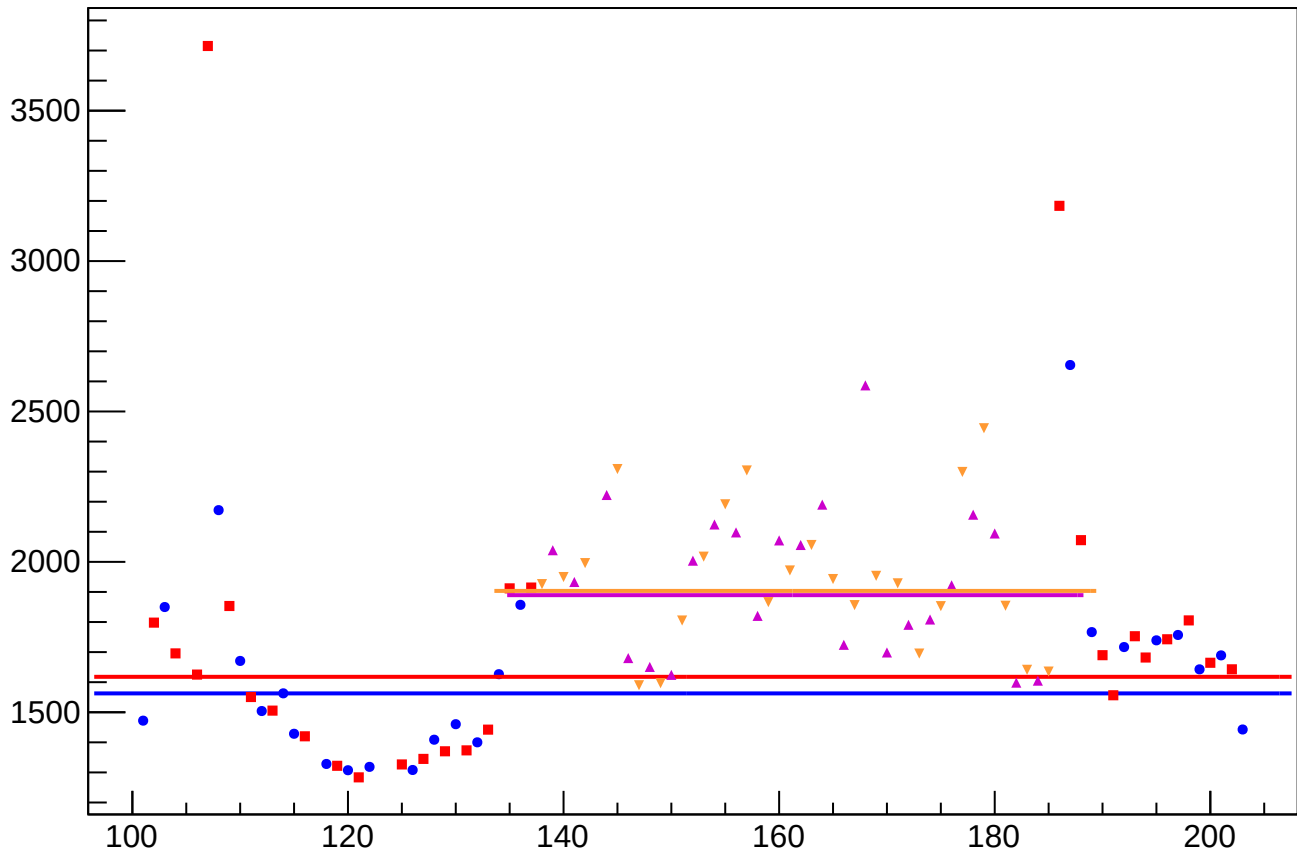
Right: 2673.117 $\pm$ 320.190 χ^2 /NDF: 54.4/50

In: 2407.362 $\pm$ 322.706 χ^2 /NDF:33.2/46

Out: 2346.349 $\pm$ 319.329 χ^2 /NDF:75.8/50

All: 2376.534 $\pm$ 226.984 χ^2 /NDF: 109.0/97

asym_usl_rms vs Slug, Sign Corrected



Right In: 1562.720 ± 0.325 $\chi^2/NDF: 413347.3/23$

Left Out: 1903.456 ± 0.323 $\chi^2/NDF: 461899.8/23$

Right Out: 1617.844 ± 0.316 $\chi^2/NDF: 844991.1/26$

Left In: 1889.326 ± 0.321 $\chi^2/NDF: 508648.5/22$

Left: 1896.352 ± 0.228 $\chi^2/NDF: 971512.1/46$

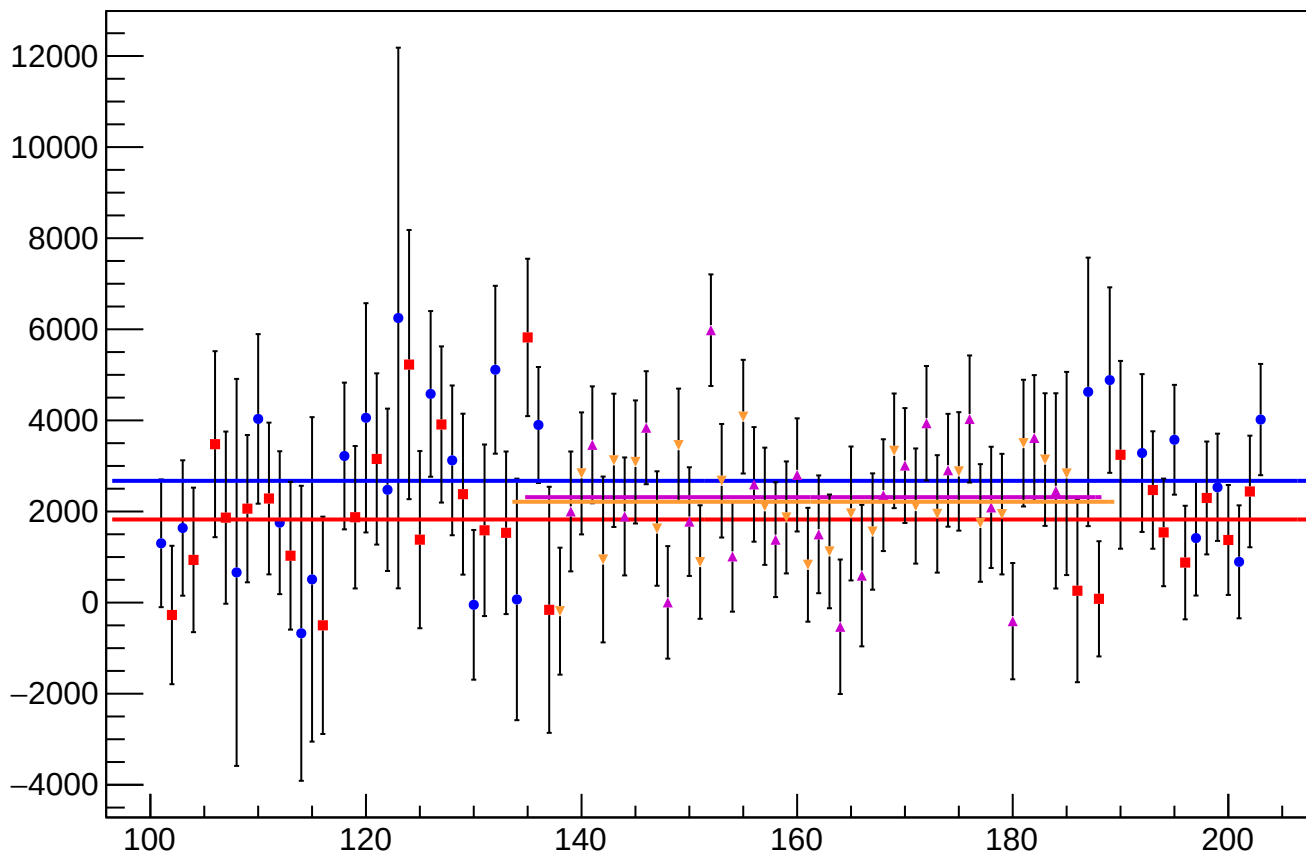
Right: 1591.009 ± 0.226 $\chi^2/NDF: 1273147.6/50$

In: 1727.825 ± 0.228 $\chi^2/NDF: 1434093.0/46$

Out: 1757.668 ± 0.226 $\chi^2/NDF: 1706703.5/50$

All: 1742.904 ± 0.161 $\chi^2/NDF: 3149439.0/97$

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2672.969 $\pm$ 334.890 χ^2 /NDF: 18.9/24

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

Right Out: 1824.730 $\pm$ 308.264 χ^2 /NDF: 18.0/26

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

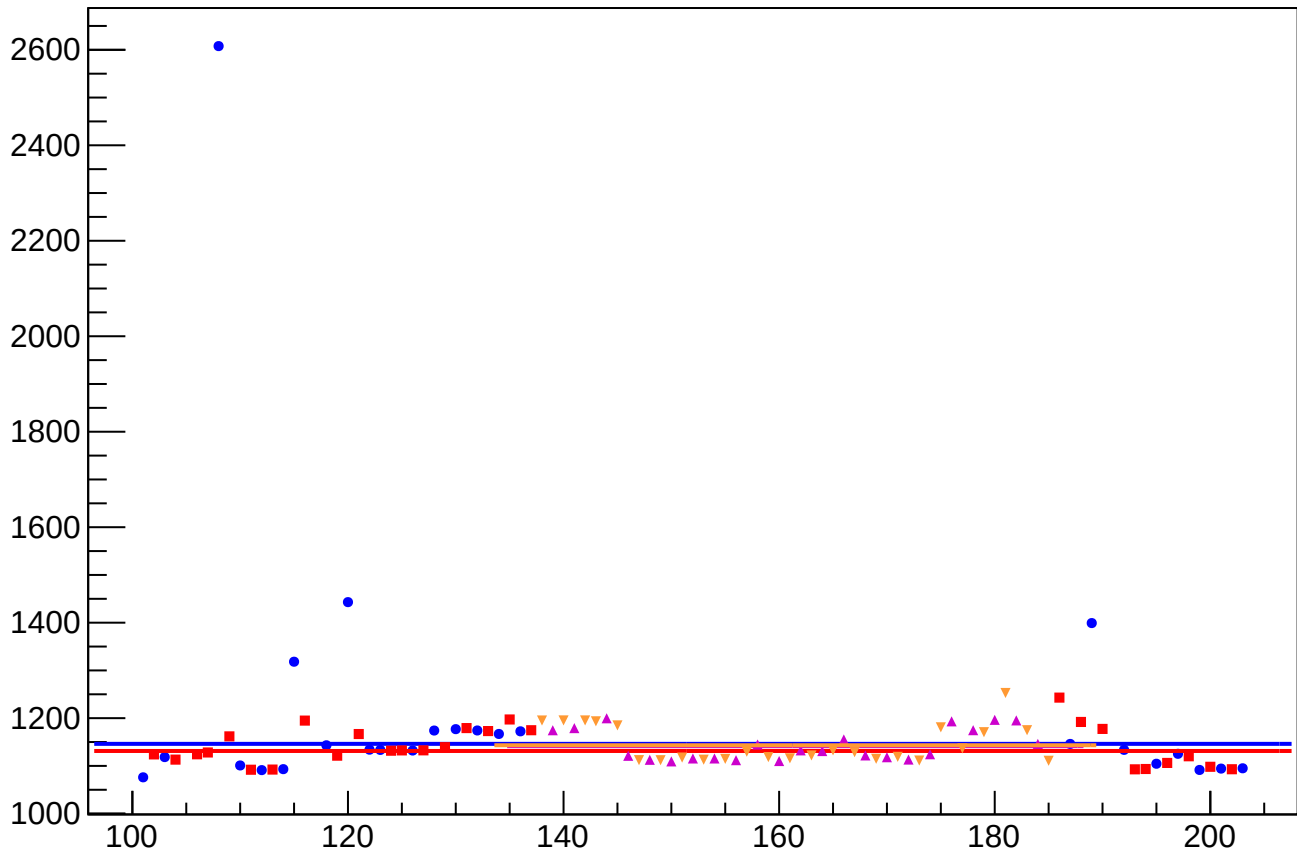
Right: 2213.794 $\pm$ 226.805 χ^2 /NDF: 40.3/51

In: 2457.070 $\pm$ 211.074 χ^2 /NDF:51.2/47

Out: 2046.806 $\pm$ 201.788 χ^2 /NDF:33.0/51

All: 2242.714 $\pm$ 145.858 χ^2 /NDF: 86.2/99

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1146.180 $\pm$ 0.237 χ^2 /NDF: 327305.0/24

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

Right Out: 1131.266 $\pm$ 0.218 χ^2 /NDF: 31466.1/26

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

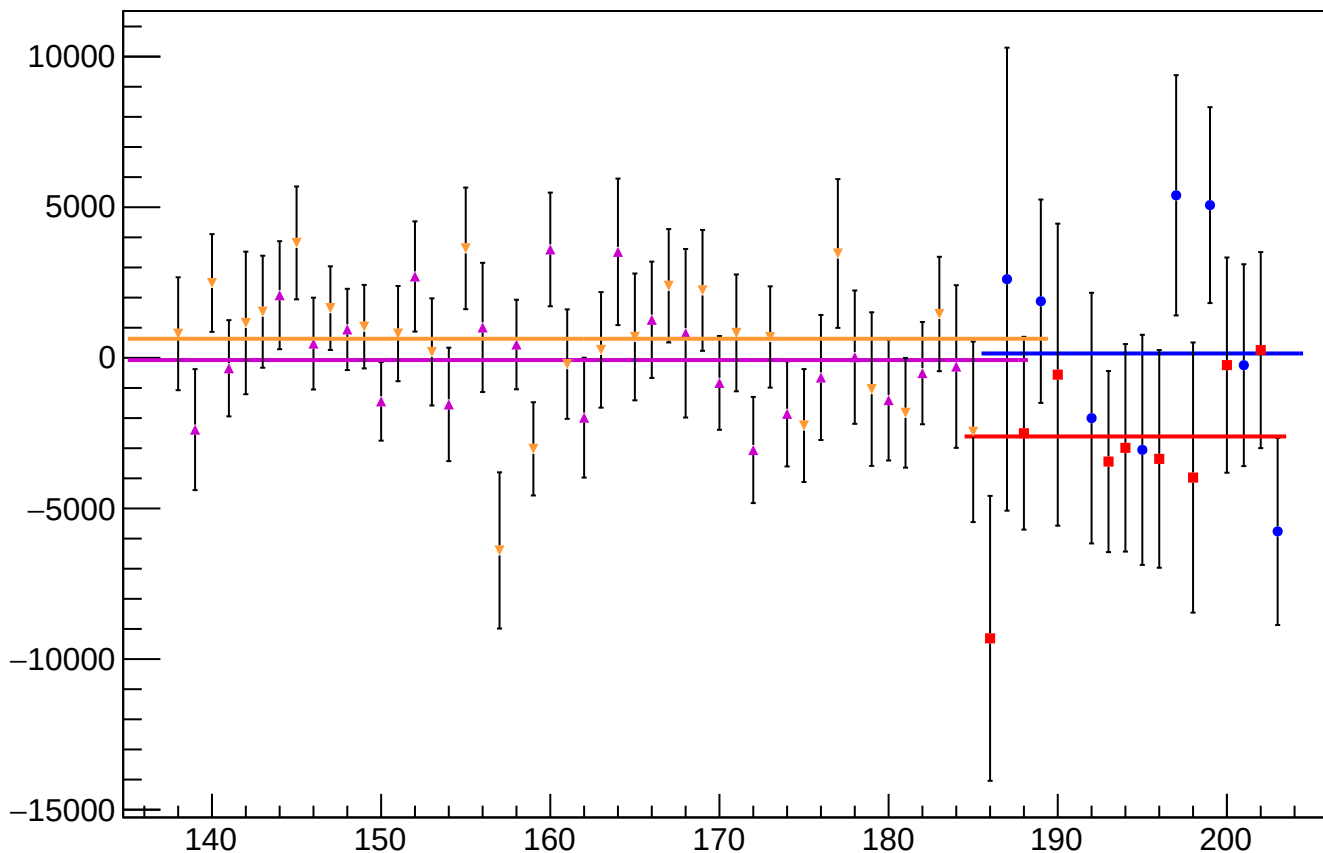
Right: 1138.106 $\pm$ 0.160 χ^2 /NDF: 360918.5/51

In: 1143.277 $\pm$ 0.149 χ^2 /NDF: 355569.3/47

Out: 1138.114 $\pm$ 0.143 χ^2 /NDF: 72686.8/51

All: 1140.580 $\pm$ 0.103 χ^2 /NDF: 428881.2/99

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: 145.707 $\pm$ 1311.813 χ^2 /NDF: 9.0/7

Left Out: 633.748 $\pm$ 371.934 χ^2 /NDF:29.3/24

Right Out: -2609.661 $\pm$ 1216.097 χ^2 /NDF: 3.6/8

Left In: -72.962 $\pm$ 375.277 χ^2 /NDF:20.1/22

Left: 283.555 $\pm$ 264.171 χ^2 /NDF: 51.2/47

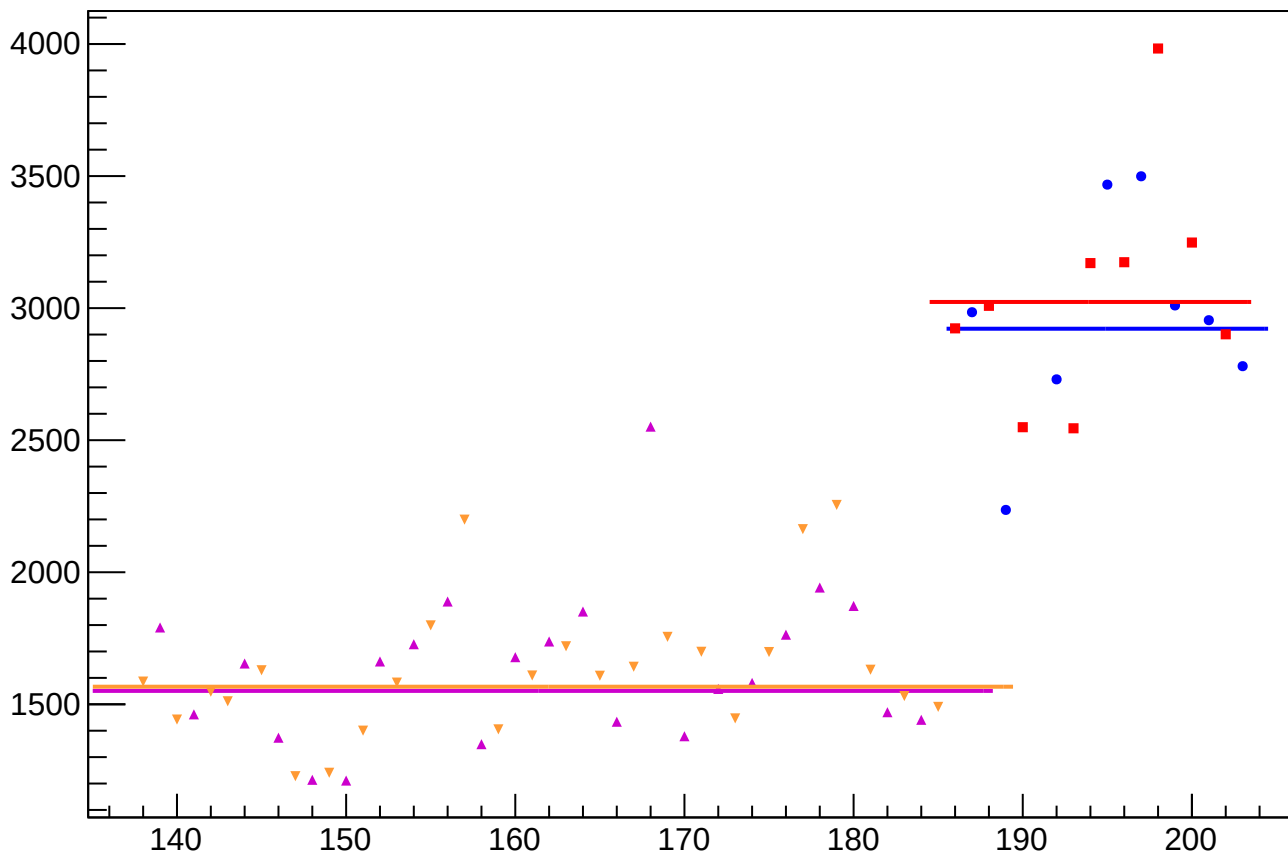
Right: -1336.156 $\pm$ 891.831 χ^2 /NDF: 15.0/16

In: -56.420 $\pm$ 360.804 χ^2 /NDF:29.1/30

Out: 356.312 $\pm$ 355.671 χ^2 /NDF:39.4/33

All: 152.903 $\pm$ 253.293 χ^2 /NDF: 69.2/64

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 2922.041+/-0.928 χ^2/NDF : 175497.0/7

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

Right Out: 3023.391+/-0.860 χ^2/NDF : 178939.4/8

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

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

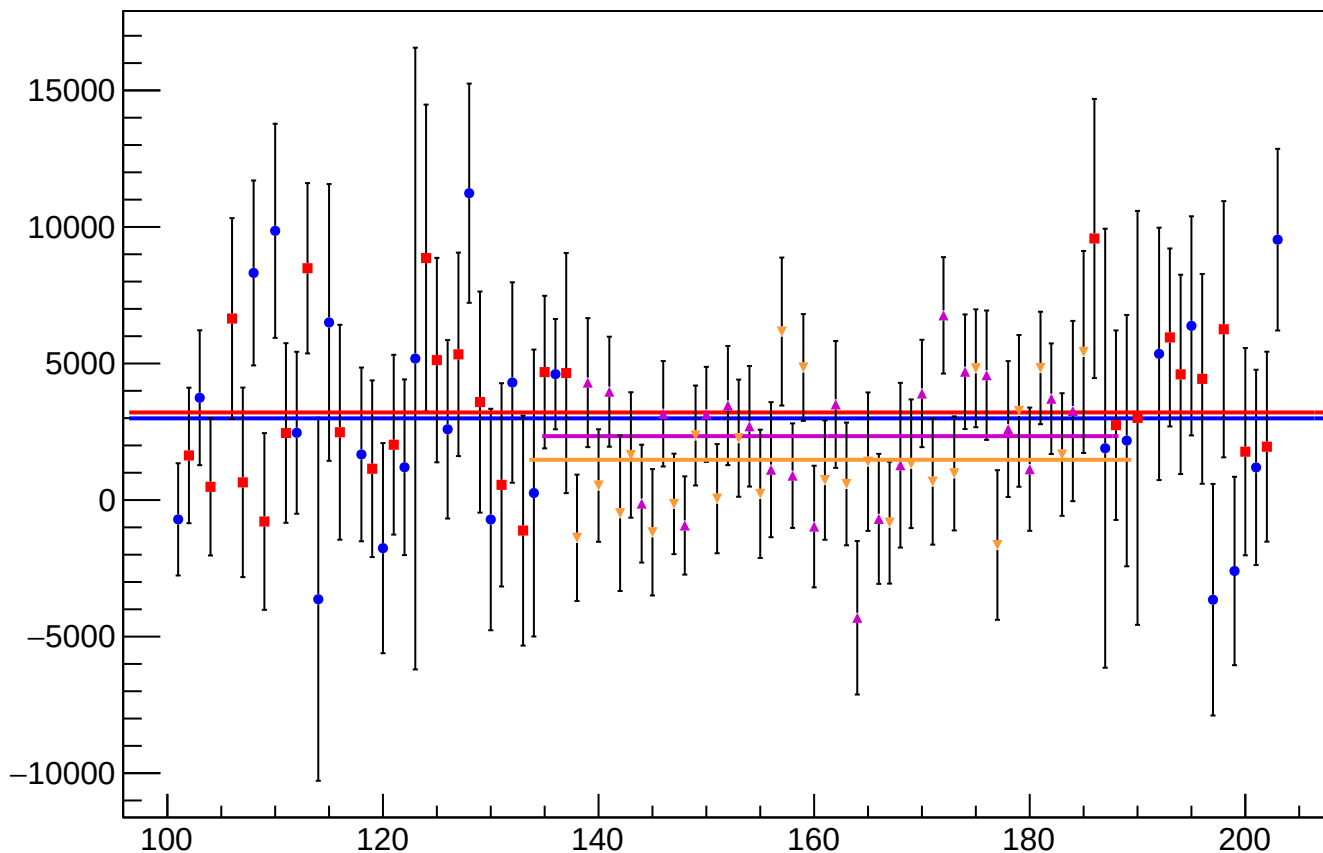
Right: 2976.548+/-0.631 χ^2/NDF : 360856.8/16

In: 1654.485+/-0.255 χ^2/NDF : 3124296.6/30

Out: 1691.235+/-0.251 χ^2/NDF : 3570344.2/33

All: 1673.124+/-0.179 χ^2/NDF : 6705164.0/64

asym_usr_mean vs Slug, Sign Corrected



Right In: 2991.543 $\pm$ 698.196 χ^2 /NDF: 28.8/24

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

Right Out: 3207.604 $\pm$ 683.752 χ^2 /NDF: 14.8/26

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

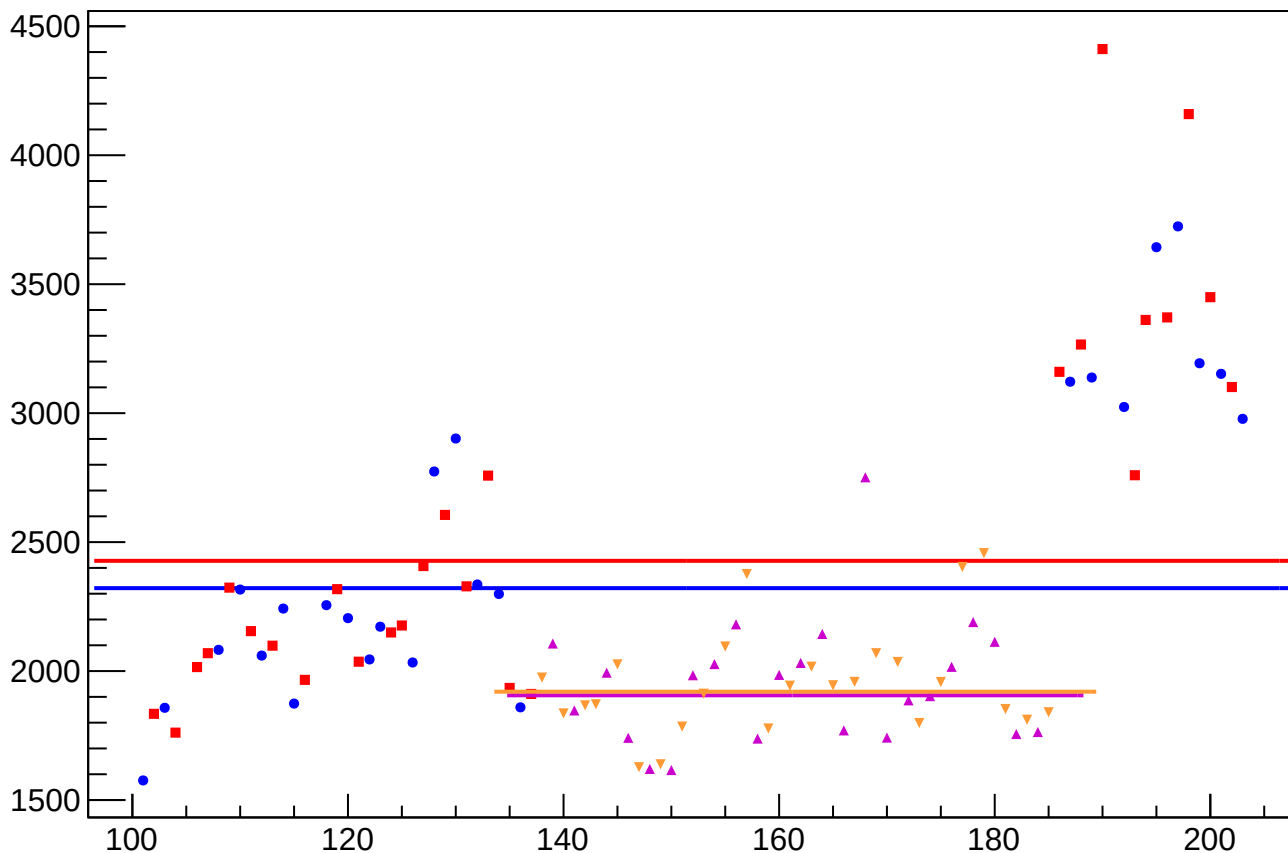
Right: 3101.832 $\pm$ 488.512 χ^2 /NDF: 43.6/51

In: 2535.619 $\pm$ 382.635 χ^2 /NDF:54.6/47

Out: 2001.287 $\pm$ 376.681 χ^2 /NDF:40.2/51

All: 2264.263 $\pm$ 268.434 χ^2 /NDF: 95.7/99

asym_usr_rms vs Slug, Sign Corrected



Right In: 2321.514+/-0.494 χ^2/NDF : 1458518.4/24

Left Out: 1920.082+/-0.319 χ^2/NDF : 365919.7/24

Right Out: 2427.468+/-0.483 χ^2/NDF : 1578953.7/26

Left In: 1906.043+/-0.323 χ^2/NDF : 451054.7/22

Left: 1913.157+/-0.227 χ^2/NDF : 817929.0/47

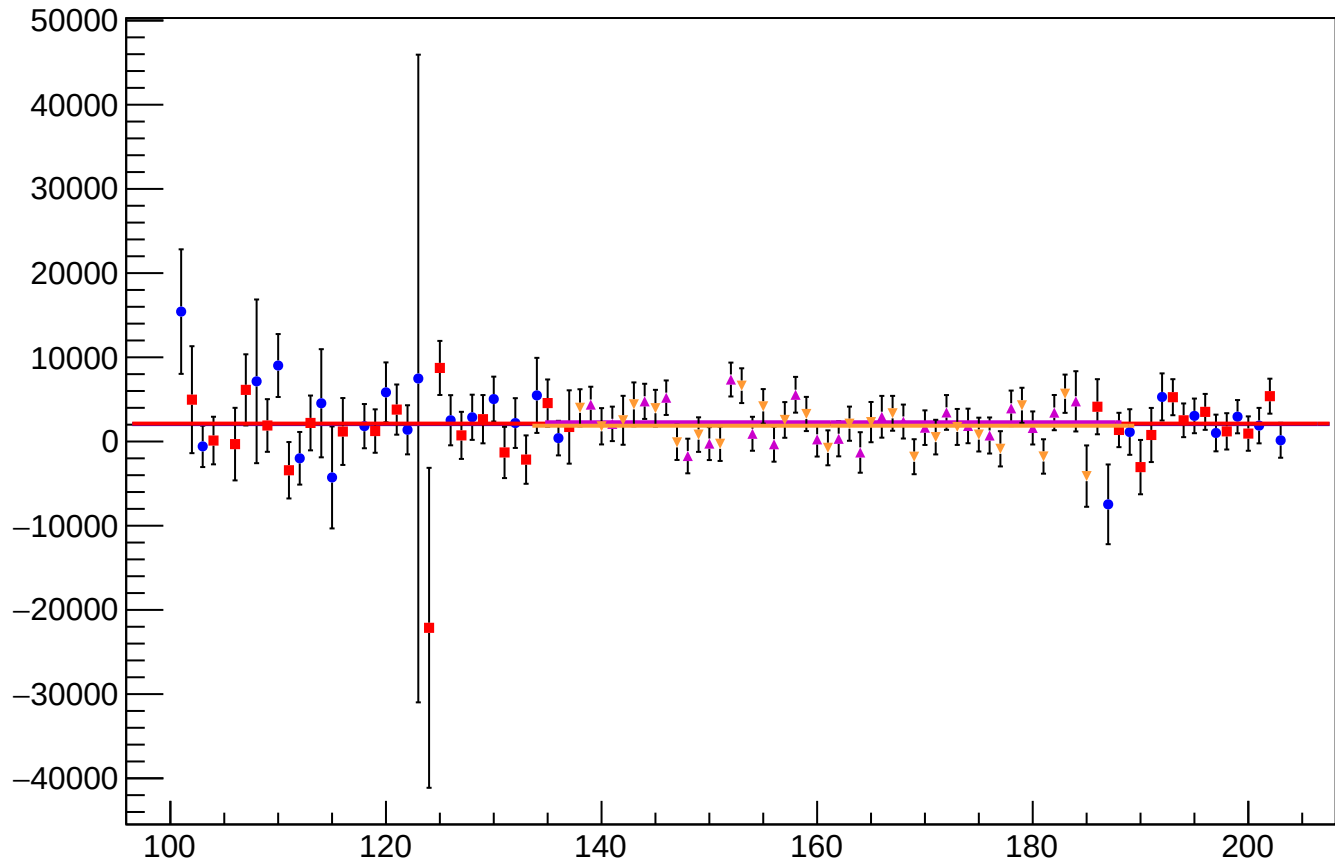
Right: 2375.599+/-0.345 χ^2/NDF : 3060982.8/51

In: 2030.826+/-0.271 χ^2/NDF : 2405072.6/47

Out: 2074.071+/-0.266 χ^2/NDF : 2711943.8/51

All: 2052.788+/-0.190 χ^2/NDF : 5129990.0/99

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2066.048 $\pm$ 574.807 χ^2 /NDF: 21.9/24

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

Right Out: 2126.044 $\pm$ 532.150 χ^2 /NDF: 24.4/27

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

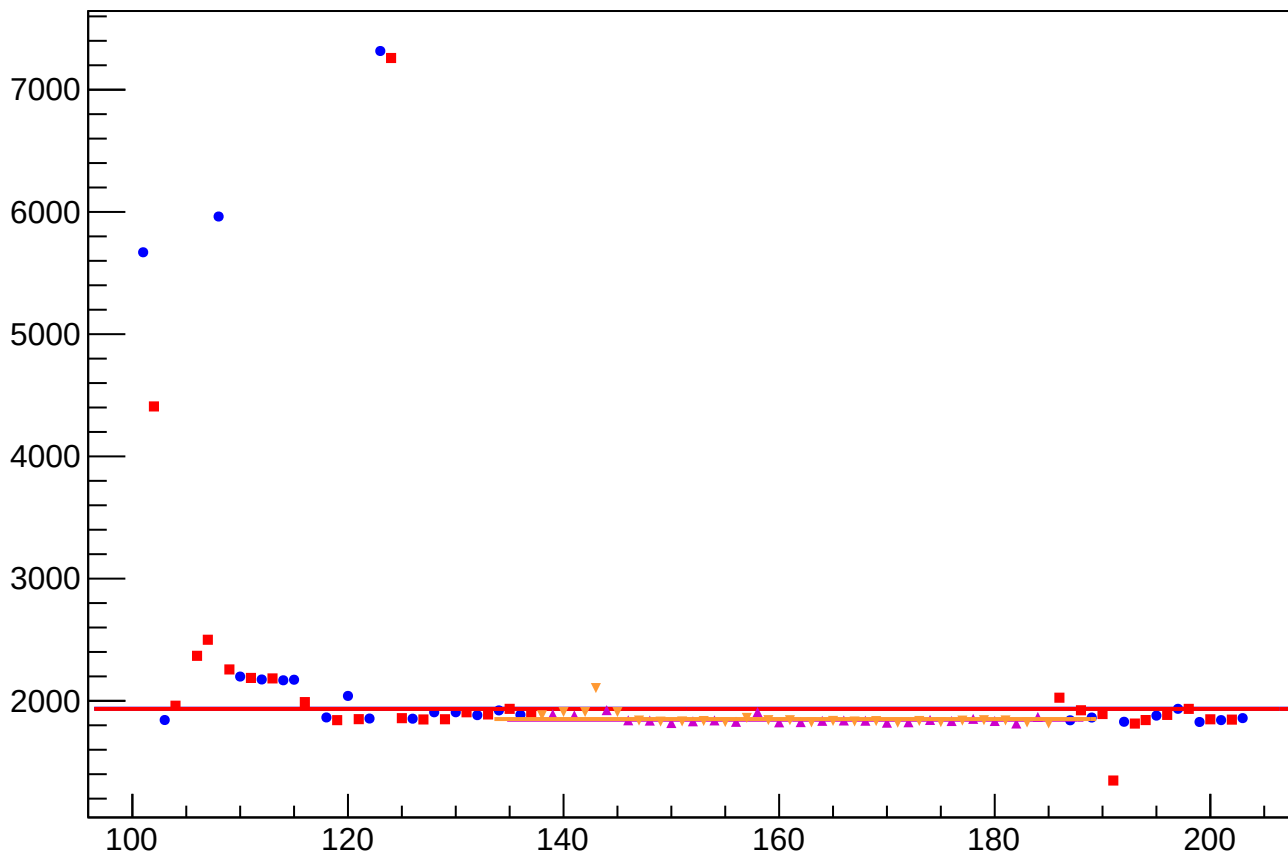
Right: 2098.355 $\pm$ 390.497 χ^2 /NDF: 46.3/52

In: 2204.671 $\pm$ 349.891 χ^2 /NDF:49.4/47

Out: 1975.244 $\pm$ 335.977 χ^2 /NDF:54.5/52

All: 2085.305 $\pm$ 242.341 χ^2 /NDF: 104.1/100

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1935.451+/-0.406 χ^2/NDF : 950119.4/24

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

Right Out: 1933.951+/-0.376 χ^2/NDF : 658780.6/27

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

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

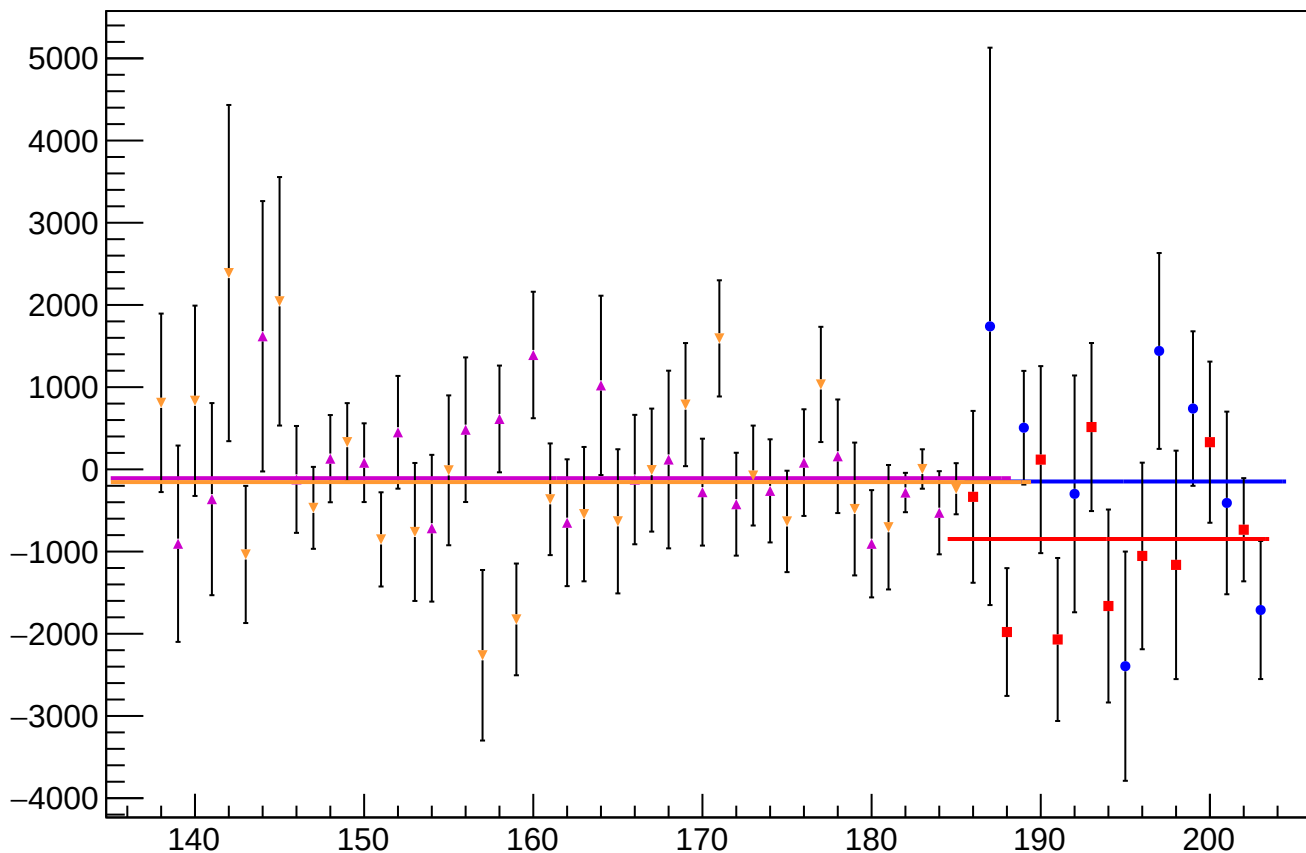
Right: 1934.643+/-0.276 χ^2/NDF : 1608907.3/52

In: 1878.773+/-0.247 χ^2/NDF : 989329.2/47

Out: 1884.105+/-0.238 χ^2/NDF : 714210.9/52

All: 1881.547+/-0.171 χ^2/NDF : 1703781.8/10

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -147.587 $\pm$ 371.681 χ^2 /NDF: 10.0/7

Left Out: -154.845 $\pm$ 119.654 χ^2 /NDF:33.0/24

Right Out: -847.288 $\pm$ 302.655 χ^2 /NDF: 8.4/9

Left In: -107.387 $\pm$ 127.580 χ^2 /NDF:13.5/22

Left: -132.636 $\pm$ 87.276 χ^2 /NDF: 46.6/47

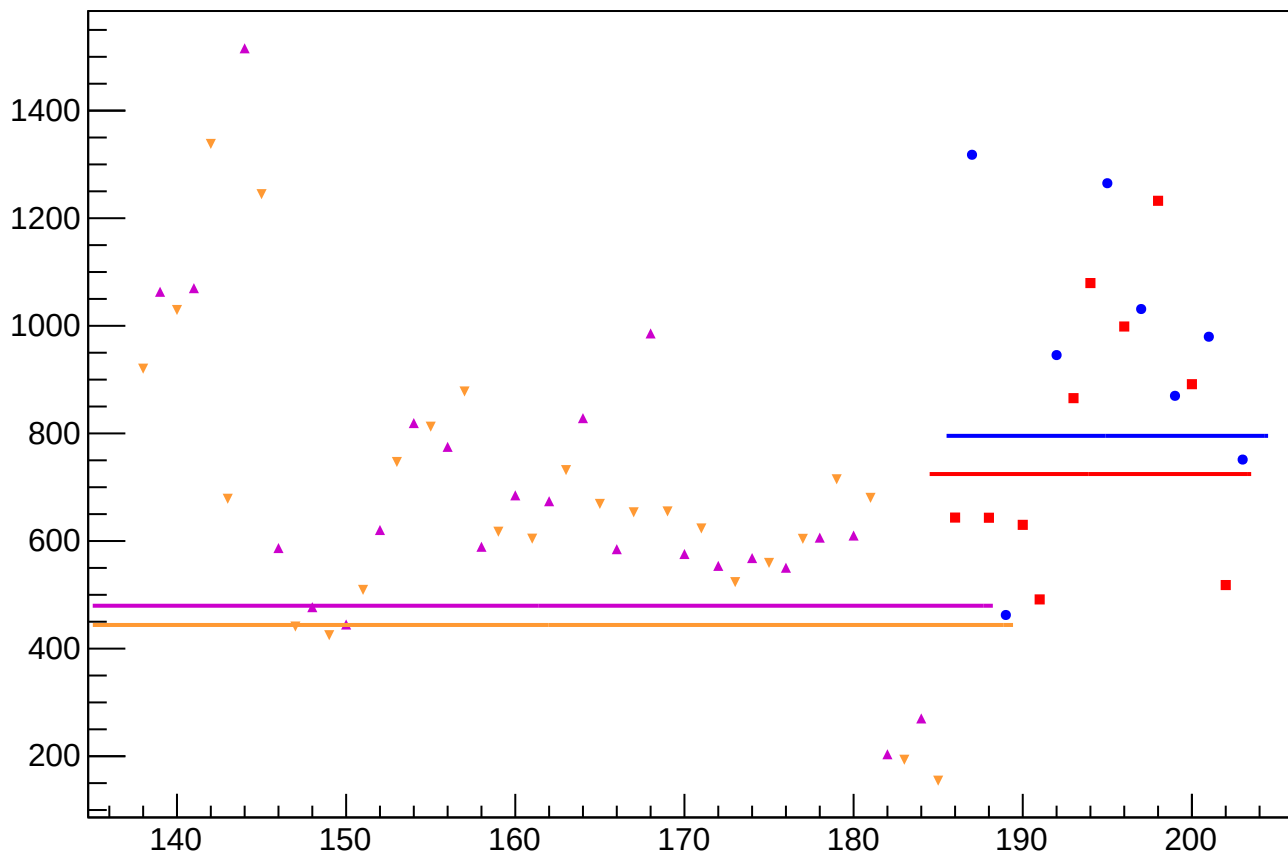
Right: -568.317 $\pm$ 234.690 χ^2 /NDF: 20.5/17

In: -111.625 $\pm$ 120.669 χ^2 /NDF:23.5/30

Out: -248.444 $\pm$ 111.274 χ^2 /NDF:45.9/34

All: -185.568 $\pm$ 81.802 χ^2 /NDF: 70.1/65

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 795.485+/-0.263

χ^2/NDF : 911205.8/7

Left Out: 443.961+/-0.085

χ^2/NDF : 8573133.3/24

Right Out: 724.510+/-0.214

χ^2/NDF : 1037318.2/9

Left In: 479.723+/-0.090

χ^2/NDF : 6734597.7/22

Left: 460.697+/-0.062

χ^2/NDF : 15391334.0/47

Right: 752.808+/-0.166

χ^2/NDF : 1992375.4/17

In: 513.005+/-0.085

χ^2/NDF : 8937133.4/30

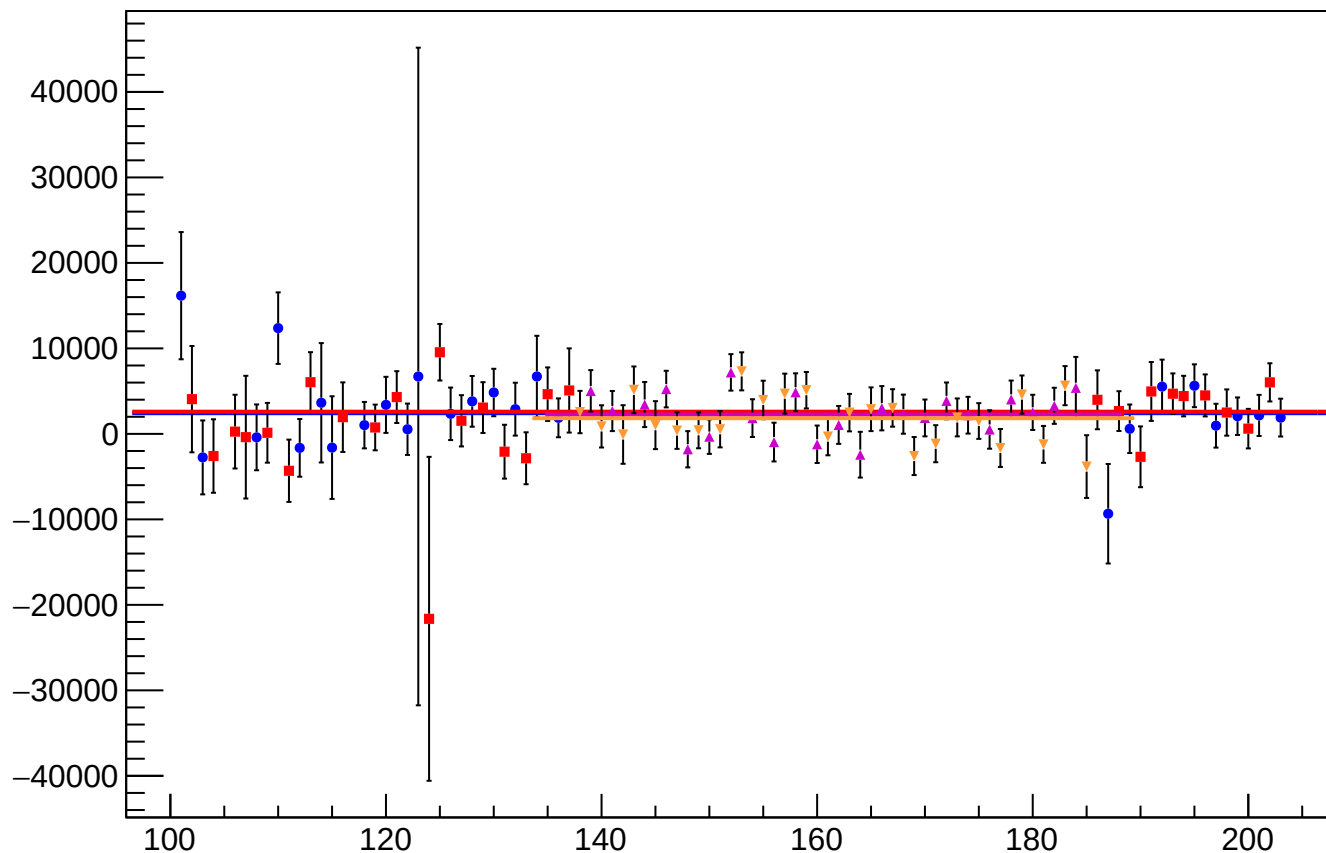
Out: 481.884+/-0.079

χ^2/NDF : 11096663.4/34

All: 496.186+/-0.058

χ^2/NDF : 20105690.6/65

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2421.582 $\pm$ 630.611 χ^2/NDF : 23.1/24

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

Right Out: 2597.121 $\pm$ 592.438 χ^2/NDF : 28.1/27

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

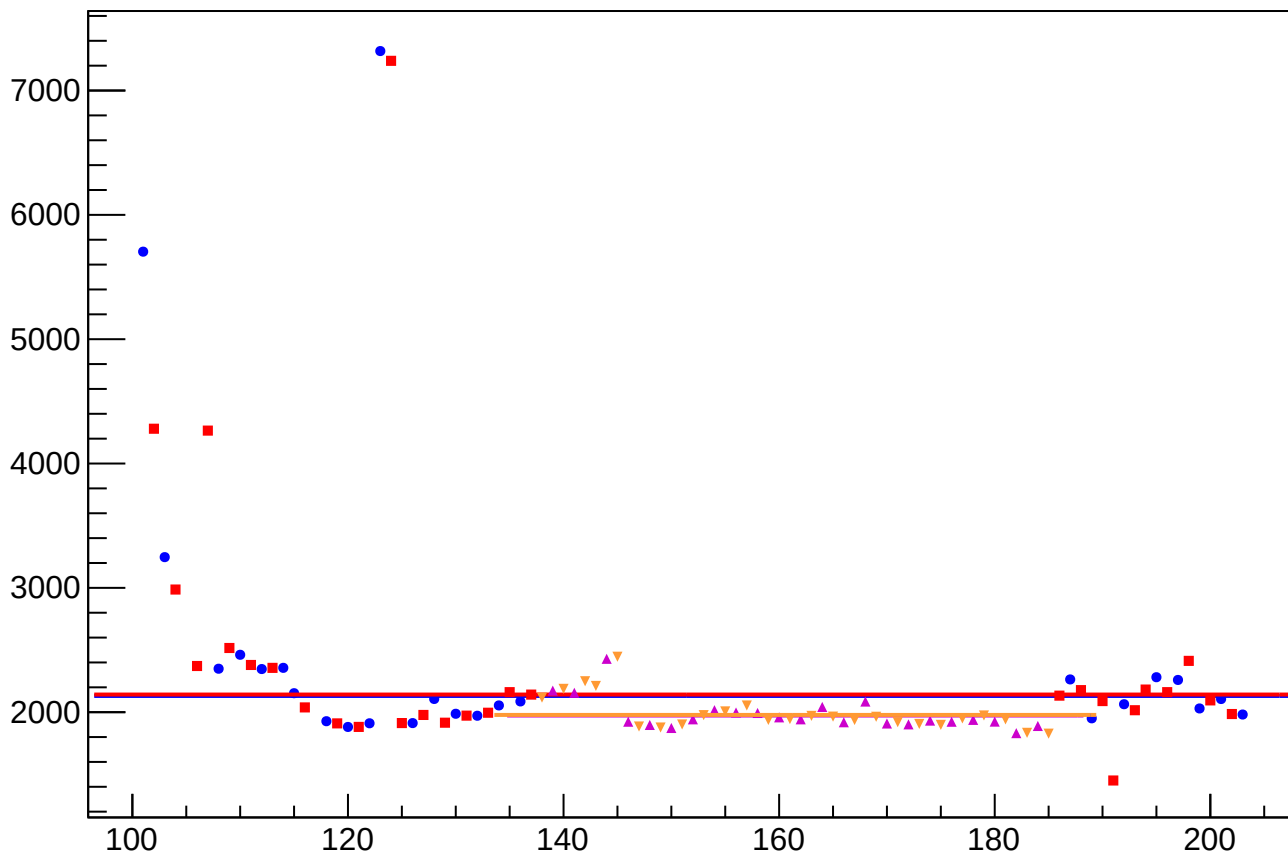
Right: 2514.825 $\pm$ 431.782 χ^2/NDF : 51.3/52

In: 2318.183 $\pm$ 378.042 χ^2/NDF : 49.5/47

Out: 2124.408 $\pm$ 365.188 χ^2/NDF : 61.9/52

All: 2217.945 $\pm$ 262.653 χ^2/NDF : 111.5/100

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2130.761 $\pm$ 0.446 χ^2 /NDF: 751702.5/24

Left Out: 1978.045 $\pm$ 0.328 χ^2 /NDF:137699.3/24

Right Out: 2141.877 $\pm$ 0.419 χ^2 /NDF: 865466.0/27

Left In: 1973.216 $\pm$ 0.334 χ^2 /NDF:120479.3/22

Left: 1975.675 $\pm$ 0.234 χ^2 /NDF: 258285.0/47

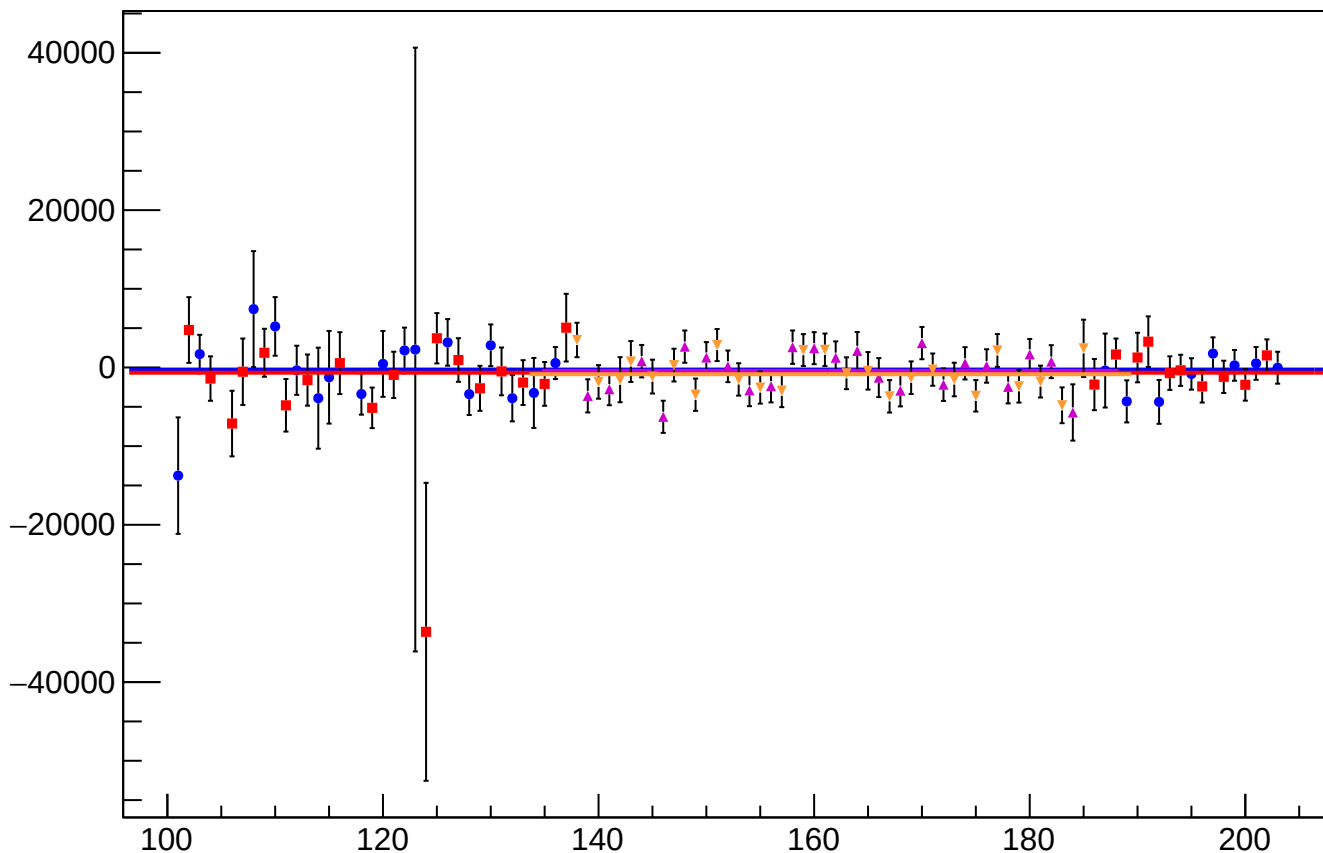
Right: 2136.665 $\pm$ 0.305 χ^2 /NDF: 1617498.6/52

In: 2029.835 $\pm$ 0.267 χ^2 /NDF:952149.5/47

Out: 2040.296 $\pm$ 0.258 χ^2 /NDF:1097997.4/52

All: 2035.246 $\pm$ 0.186 χ^2 /NDF: 2050939.0/100

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -266.400 ± 568.922 $\chi^2/\text{NDF}: 21.7/24$

Left Out: -858.637 ± 431.465 $\chi^2/\text{NDF}: 26.9/24$

Right Out: -663.698 ± 522.791 $\chi^2/\text{NDF}: 23.5/27$

Left In: -427.682 ± 439.561 $\chi^2/\text{NDF}: 33.7/22$

Left: -647.165 ± 307.914 $\chi^2/\text{NDF}: 61.1/47$

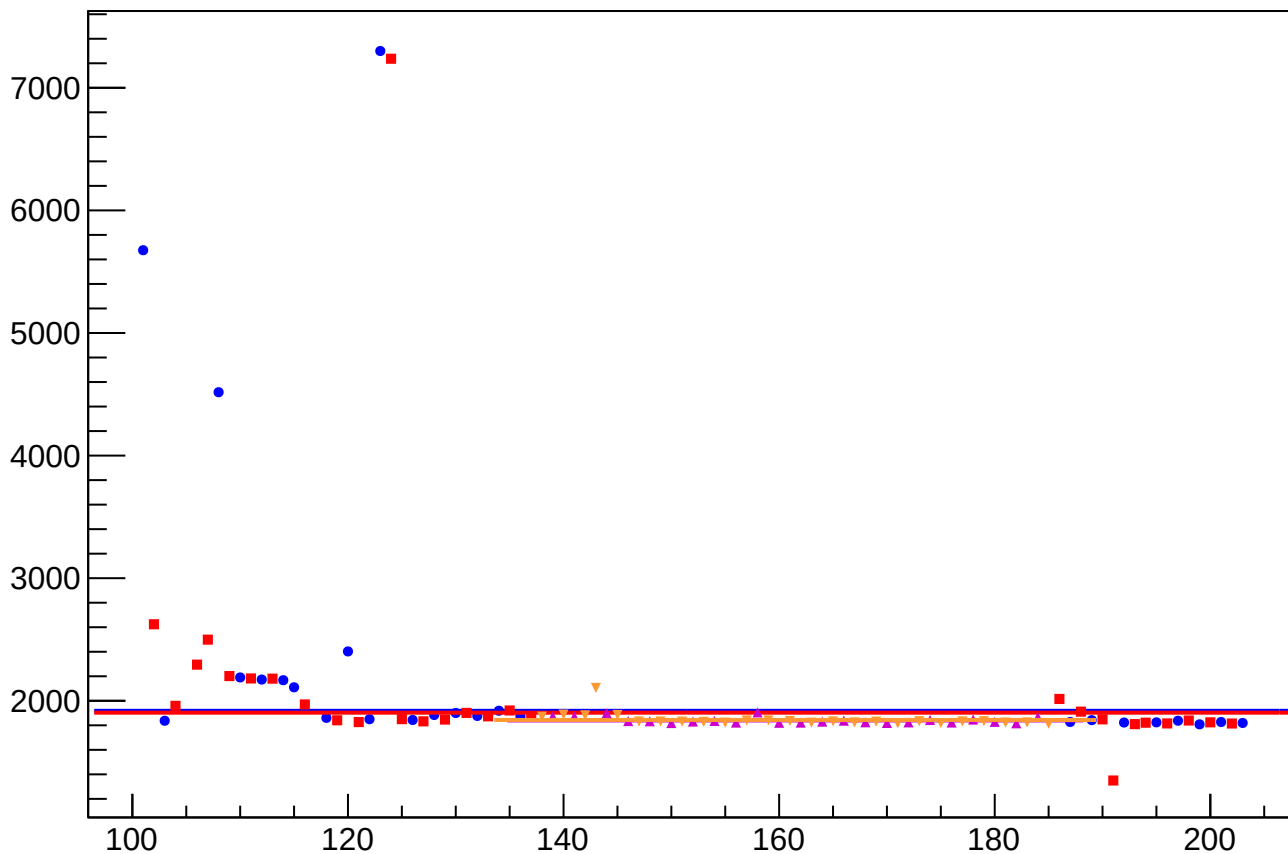
Right: -481.807 ± 384.946 $\chi^2/\text{NDF}: 45.4/52$

In: -367.394 ± 347.836 $\chi^2/\text{NDF}: 55.4/47$

Out: -779.655 ± 332.770 $\chi^2/\text{NDF}: 50.5/52$

All: -582.646 ± 240.454 $\chi^2/\text{NDF}: 106.6/100$

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1918.206 $\pm$ 0.402 χ^2 /NDF: 893282.0/24

Left Out: 1843.534 $\pm$ 0.305 χ^2 /NDF: 24974.2/24

Right Out: 1903.061 $\pm$ 0.370 χ^2 /NDF: 412251.2/27

Left In: 1839.431 $\pm$ 0.311 χ^2 /NDF: 6418.5/22

Left: 1841.521 $\pm$ 0.218 χ^2 /NDF: 31481.4/47

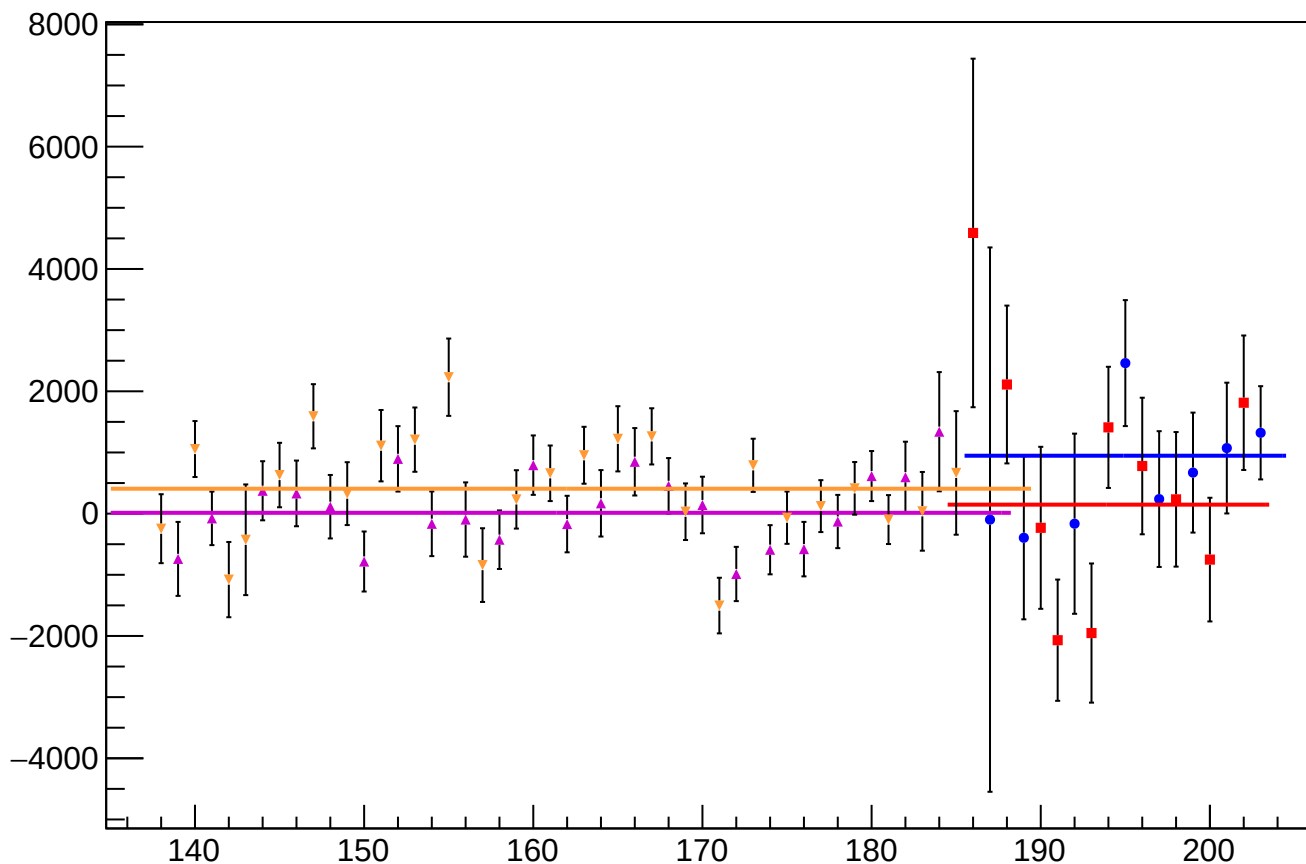
Right: 1909.995 $\pm$ 0.272 χ^2 /NDF: 1306301.7/52

In: 1868.878 $\pm$ 0.246 χ^2 /NDF: 923711.7/47

Out: 1867.652 $\pm$ 0.235 χ^2 /NDF: 452649.2/52

All: 1868.238 $\pm$ 0.170 χ^2 /NDF: 1376373.9/100

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 946.789+/-393.282 χ^2/NDF : 4.5/7

Left Out: 407.320+/-101.221 χ^2/NDF : 62.1/24

Right Out: 146.901+/-364.216 χ^2/NDF : 18.3/9

Left In: 13.395+/-102.912 χ^2/NDF : 29.2/22

Left: 213.621+/-72.165 χ^2/NDF : 98.8/47

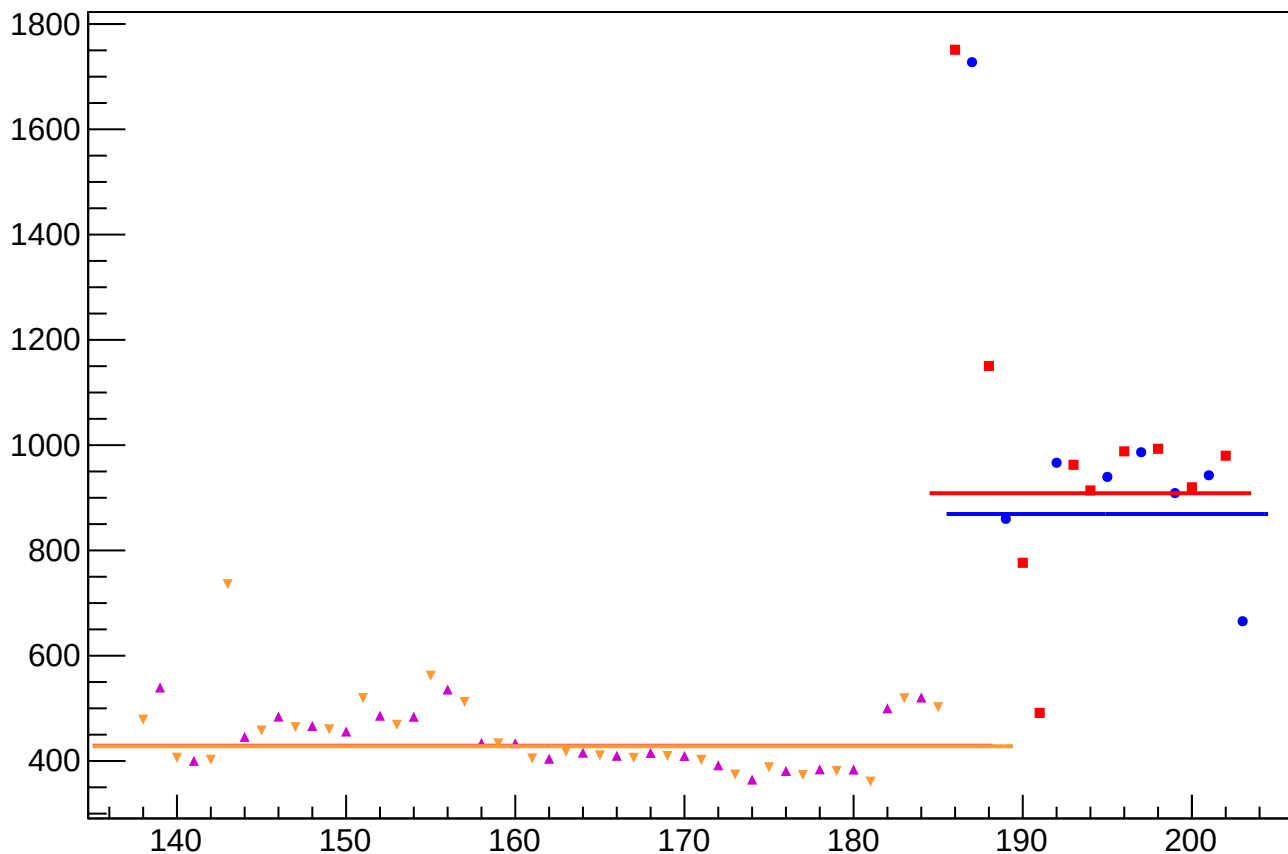
Right: 516.197+/-267.225 χ^2/NDF : 25.0/17

In: 73.212+/-99.560 χ^2/NDF : 39.1/30

Out: 388.648+/-97.525 χ^2/NDF : 80.9/34

All: 234.187+/-69.669 χ^2/NDF : 125.1/65

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 869.176+/-0.278 χ^2/NDF : 270569.8/7

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

Right Out: 908.635+/-0.258 χ^2/NDF : 654726.0/9

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

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

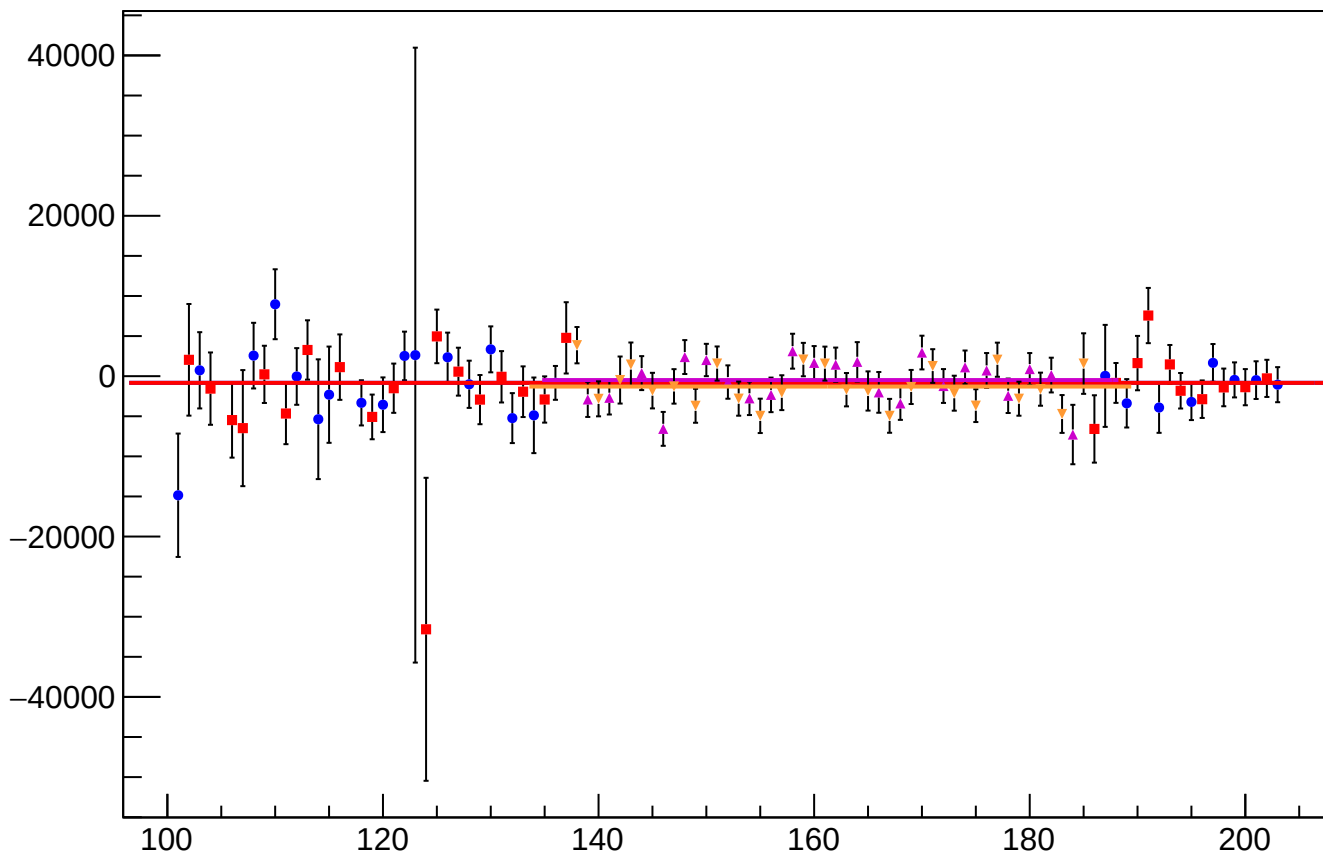
Right: 890.418+/-0.189 χ^2/NDF : 936133.9/17

In: 457.140+/-0.070 χ^2/NDF : 3034935.9/30

Out: 462.509+/-0.069 χ^2/NDF : 4591961.6/34

All: 459.880+/-0.049 χ^2/NDF : 7629866.1/65

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -829.305 ± 626.515 χ^2/NDF : 22.2/24

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

Right Out: -834.799 ± 593.554 χ^2/NDF : 25.7/27

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

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

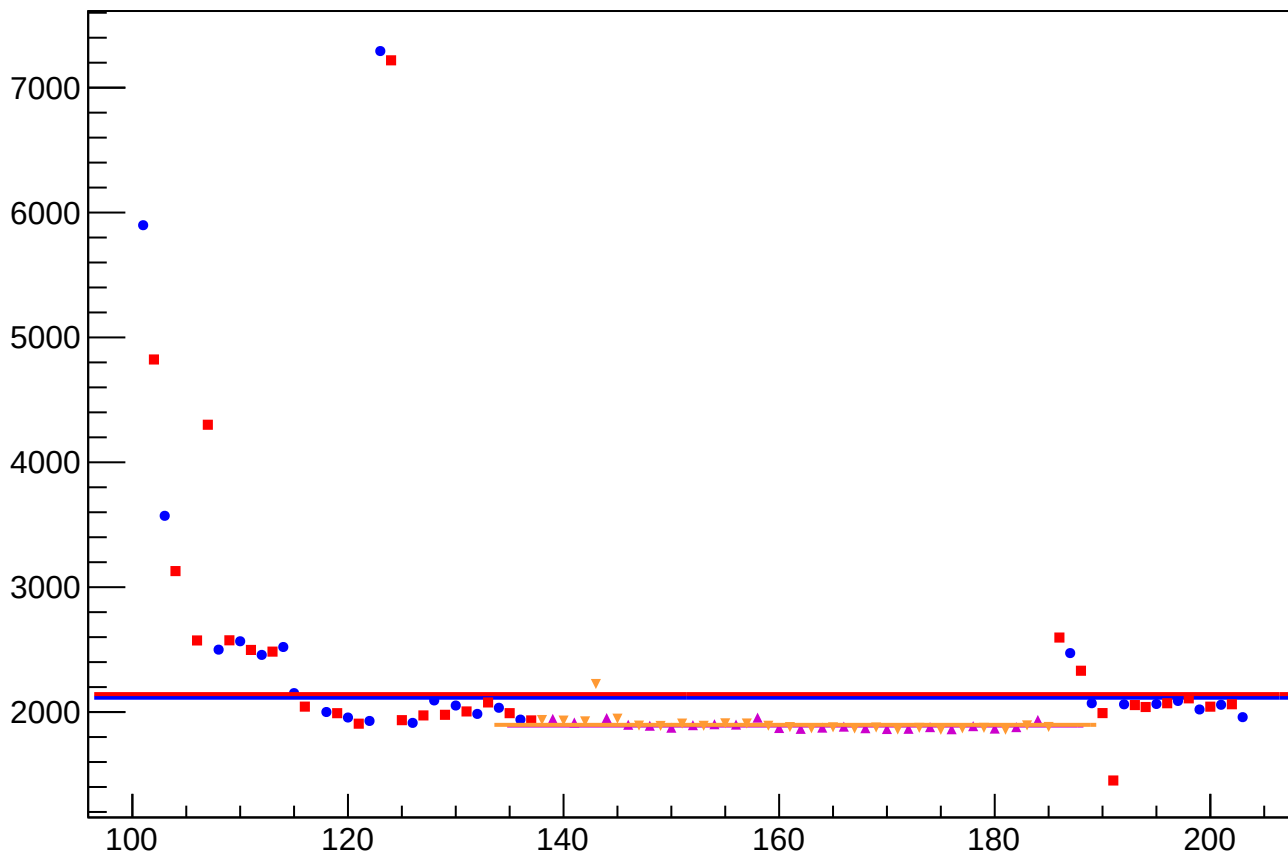
Right: -832.200 ± 430.888 χ^2/NDF : 47.9/52

In: -603.412 ± 366.572 χ^2/NDF : 54.8/47

Out: -1129.267 ± 355.613 χ^2/NDF : 55.7/52

All: -874.318 ± 255.243 χ^2/NDF : 111.6/100

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2114.893 $\pm$ 0.443 χ^2 /NDF: 838087.6/24

Left Out: 1897.670 $\pm$ 0.314 χ^2 /NDF:35089.1/24

Right Out: 2143.878 $\pm$ 0.420 χ^2 /NDF: 982870.8/27

Left In: 1891.722 $\pm$ 0.320 χ^2 /NDF:7584.2/22

Left: 1894.748 $\pm$ 0.224 χ^2 /NDF: 42849.4/47

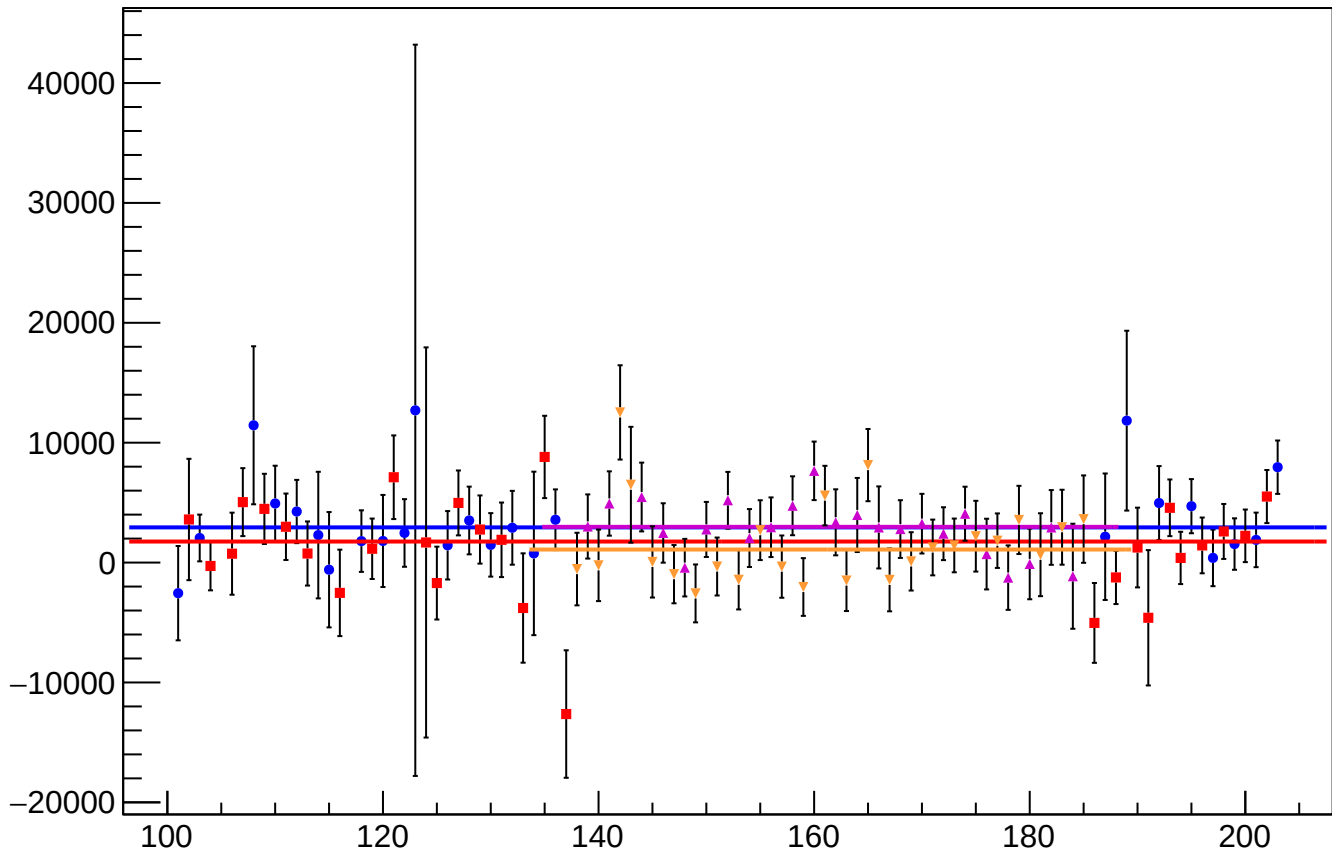
Right: 2130.168 $\pm$ 0.305 χ^2 /NDF: 1823214.3/52

In: 1968.122 $\pm$ 0.259 χ^2 /NDF:1012567.7/47

Out: 1986.046 $\pm$ 0.251 χ^2 /NDF:1238560.1/52

All: 1977.356 $\pm$ 0.180 χ^2 /NDF: 2253591.3/100

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2935.619 $\pm$ 593.323 χ^2 /NDF: 15.6/24

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

Right Out: 1754.492 $\pm$ 539.982 χ^2 /NDF: 35.6/27

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

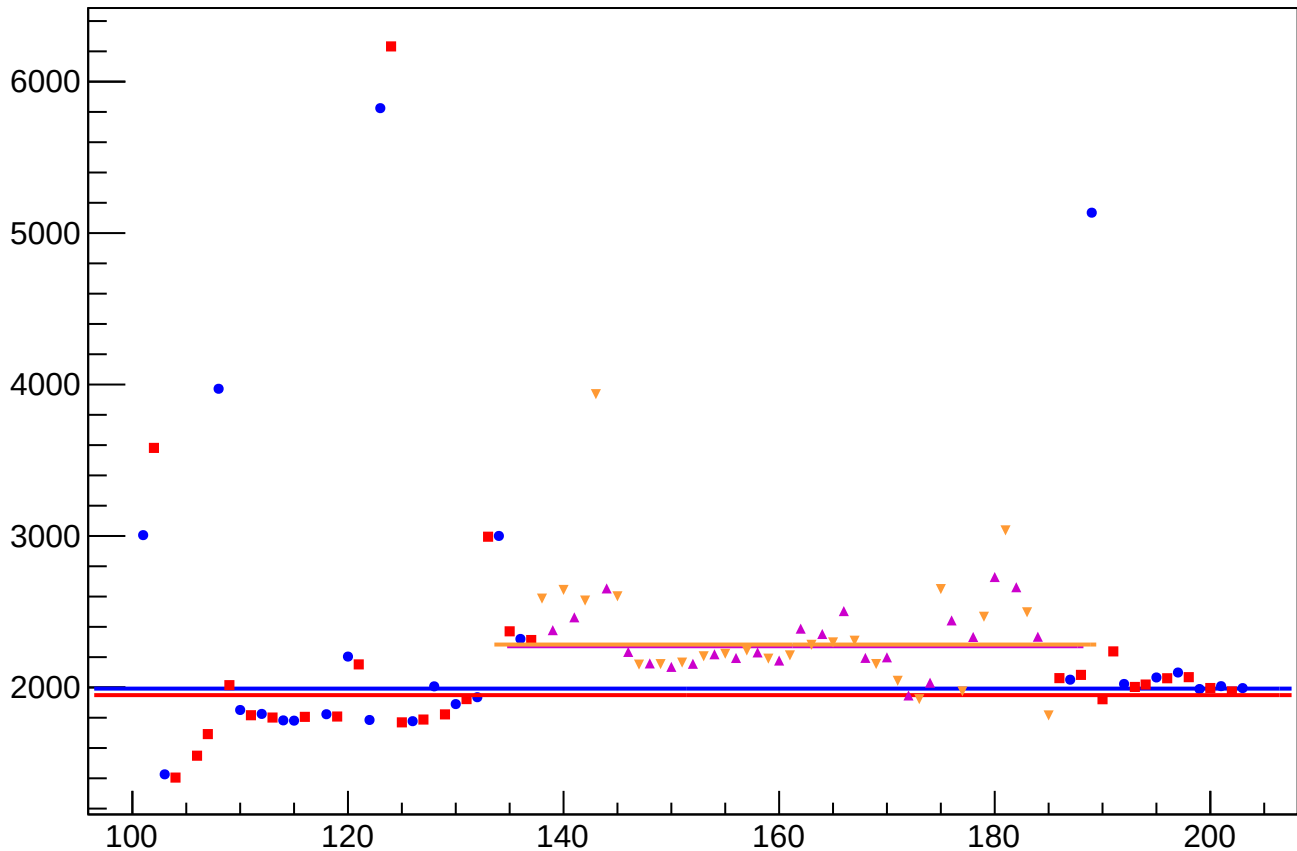
Right: 2289.586 $\pm$ 399.354 χ^2 /NDF: 53.4/52

In: 2960.273 $\pm$ 401.813 χ^2 /NDF:29.6/47

Out: 1421.815 $\pm$ 382.178 χ^2 /NDF:66.3/52

All: 2152.539 $\pm$ 276.922 χ^2 /NDF: 103.6/100

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1992.222+/-0.420 χ^2/NDF : 1008036.4/24

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

Right Out: 1949.200+/-0.382 χ^2/NDF : 754071.2/27

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

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

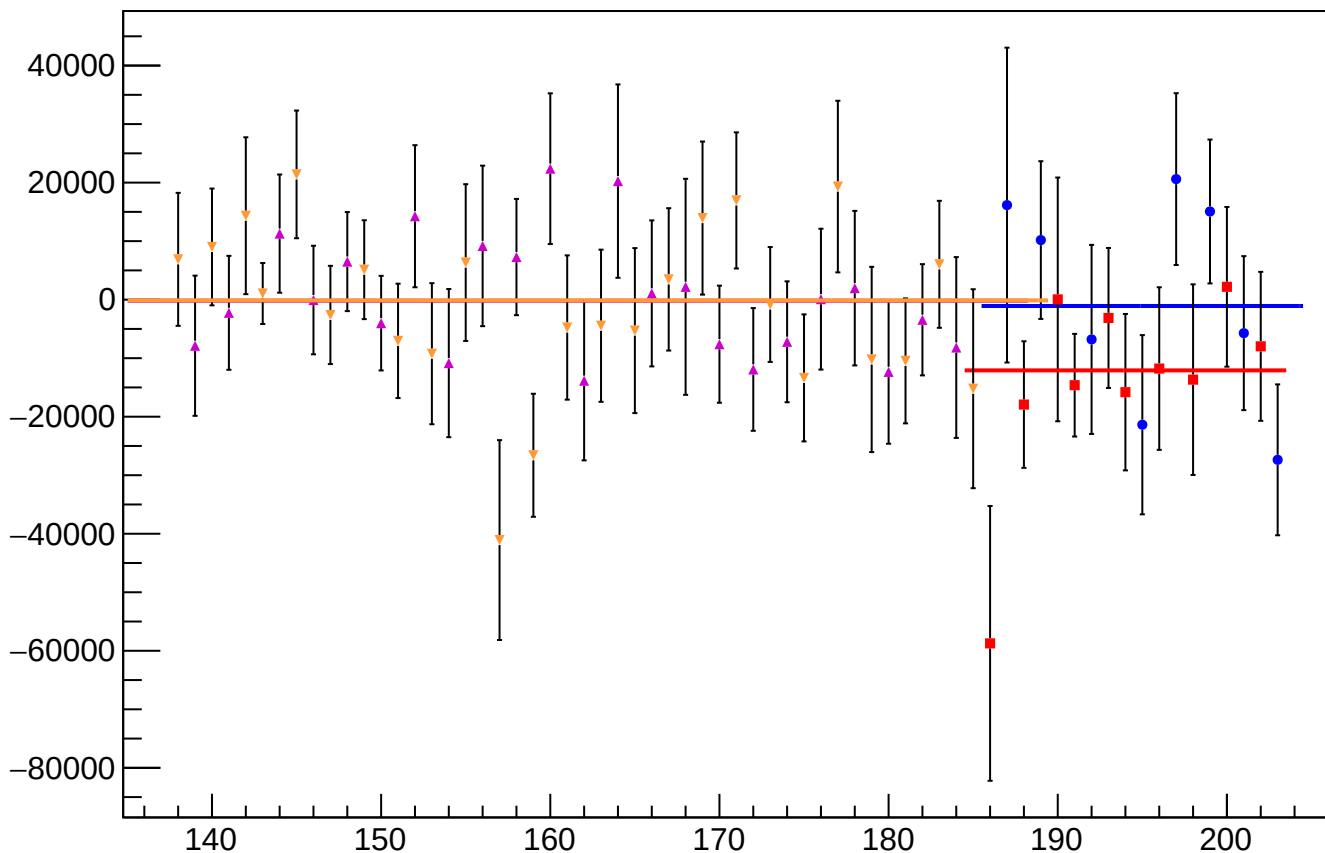
Right: 1968.688+/-0.282 χ^2/NDF : 1767859.5/52

In: 2143.655+/-0.284 χ^2/NDF : 1492240.3/47

Out: 2115.876+/-0.270 χ^2/NDF : 1770430.9/52

All: 2129.070+/-0.196 χ^2/NDF : 3267690.1/100

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1082.603 ± 5126.880 $\chi^2/\text{NDF}: 11.2/7$

Left Out: -124.370 ± 2141.976 $\chi^2/\text{NDF}: 29.7/24$

Right Out: -12085.808 ± 4125.765 $\chi^2/\text{NDF}: 6.5/9$

Left In: -185.013 ± 2330.398 $\chi^2/\text{NDF}: 15.0/22$

Left: -152.141 ± 1577.017 $\chi^2/\text{NDF}: 44.7/47$

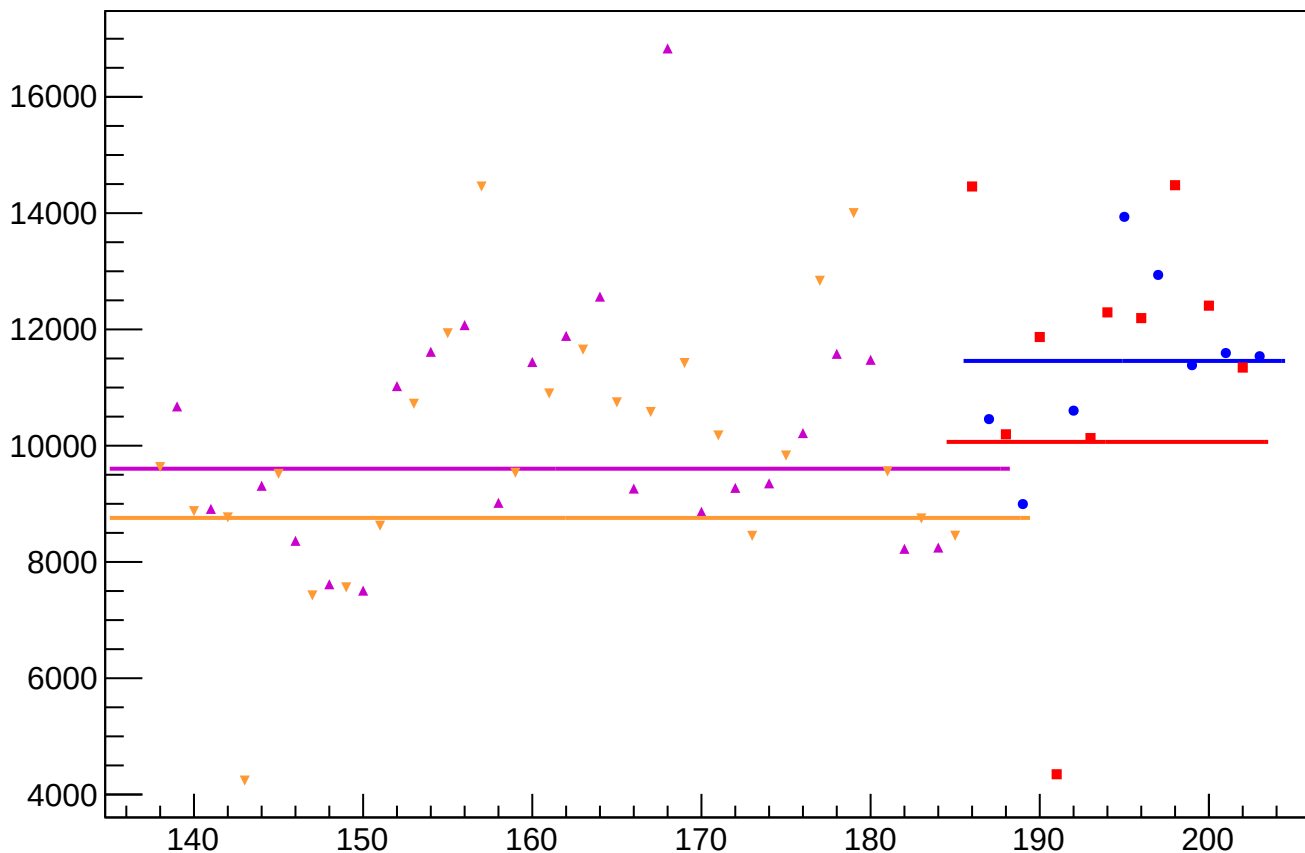
Right: -7760.952 ± 3214.248 $\chi^2/\text{NDF}: 20.5/17$

In: -338.709 ± 2121.516 $\chi^2/\text{NDF}: 26.3/30$

Out: -2663.927 ± 1901.042 $\chi^2/\text{NDF}: 42.8/34$

All: -1628.381 ± 1415.792 $\chi^2/\text{NDF}: 69.7/65$

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 11458.045 $\pm$ 3.625 χ^2 /NDF: 148247.7/7

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

Right Out: 10065.132 $\pm$ 2.917 χ^2 /NDF: 1263966.7/9

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

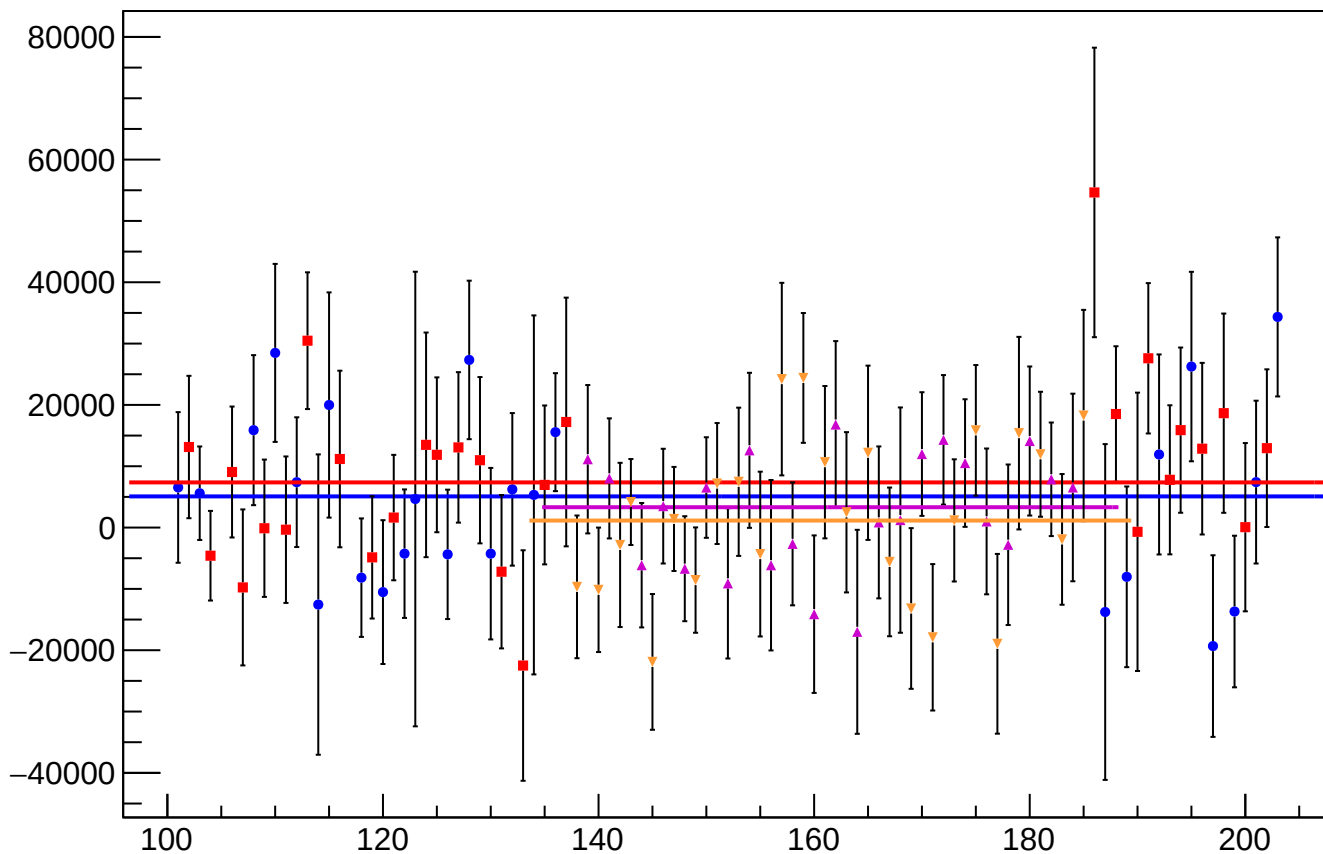
Right: 10612.622 $\pm$ 2.273 χ^2 /NDF: 1501817.2/17

In: 9921.496 $\pm$ 1.500 χ^2 /NDF:1460815.9/30

Out: 9035.377 $\pm$ 1.344 χ^2 /NDF:4201245.4/34

All: 9430.014 $\pm$ 1.001 χ^2 /NDF: 5855586.0/65

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5081.356 $\pm$ 2566.403 χ^2/NDF : 27.9/24

Left Out: 1145.185 $\pm$ 2232.341 χ^2/NDF : 27.9/24

Right Out: 7362.840 $\pm$ 2365.875 χ^2/NDF : 25.8/27

Left In: 3316.960 $\pm$ 2336.196 χ^2/NDF : 13.4/22

Left: 2181.728 $\pm$ 1613.970 χ^2/NDF : 41.7/47

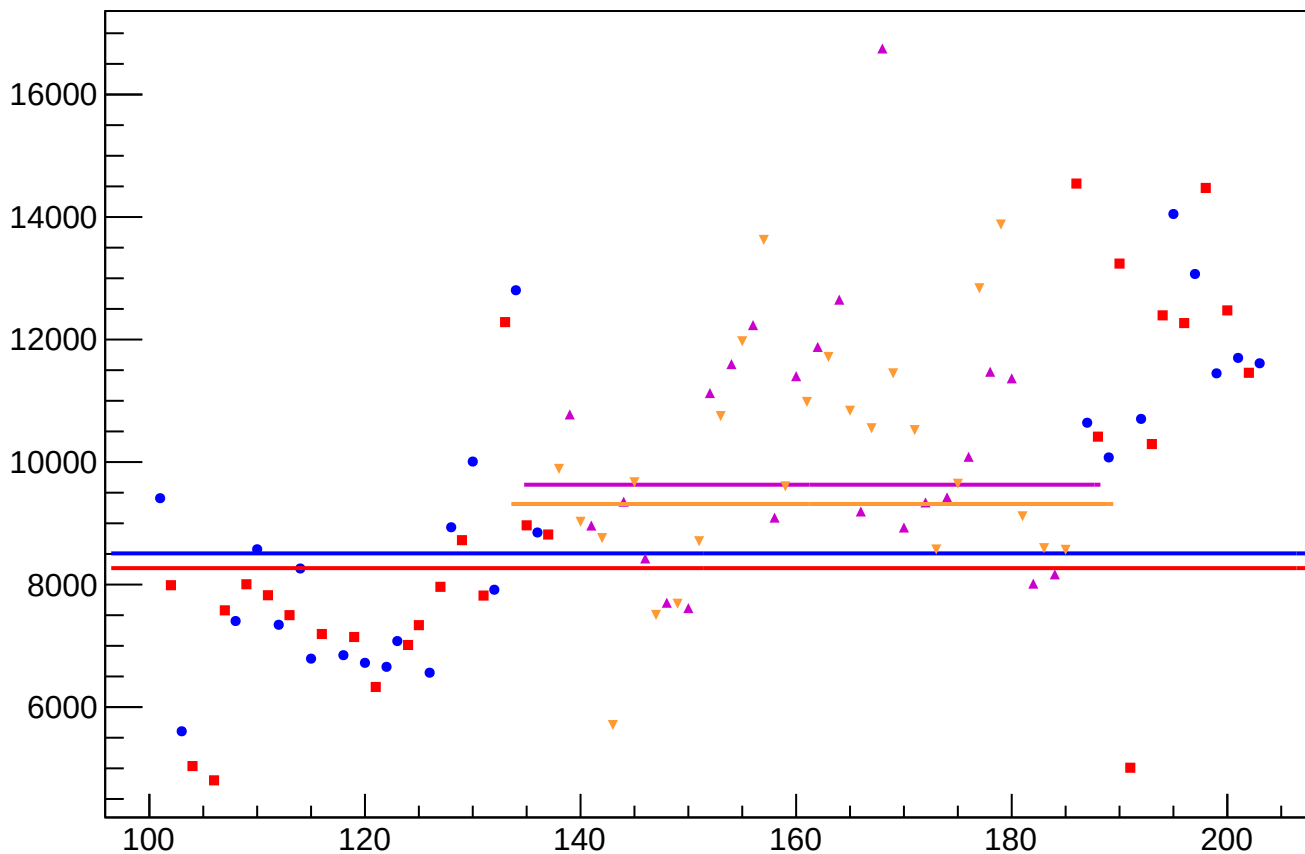
Right: 6314.701 $\pm$ 1739.504 χ^2/NDF : 54.2/52

In: 4116.491 $\pm$ 1727.605 χ^2/NDF : 41.6/47

Out: 4073.601 $\pm$ 1623.660 χ^2/NDF : 57.3/52

All: 4093.717 $\pm$ 1183.142 χ^2/NDF : 99.0/100

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8509.161 ± 1.815 $\chi^2/\text{NDF}: 1535325.6/24$

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

Right Out: 8268.474 ± 1.673 $\chi^2/\text{NDF}: 2320177.0/27$

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

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

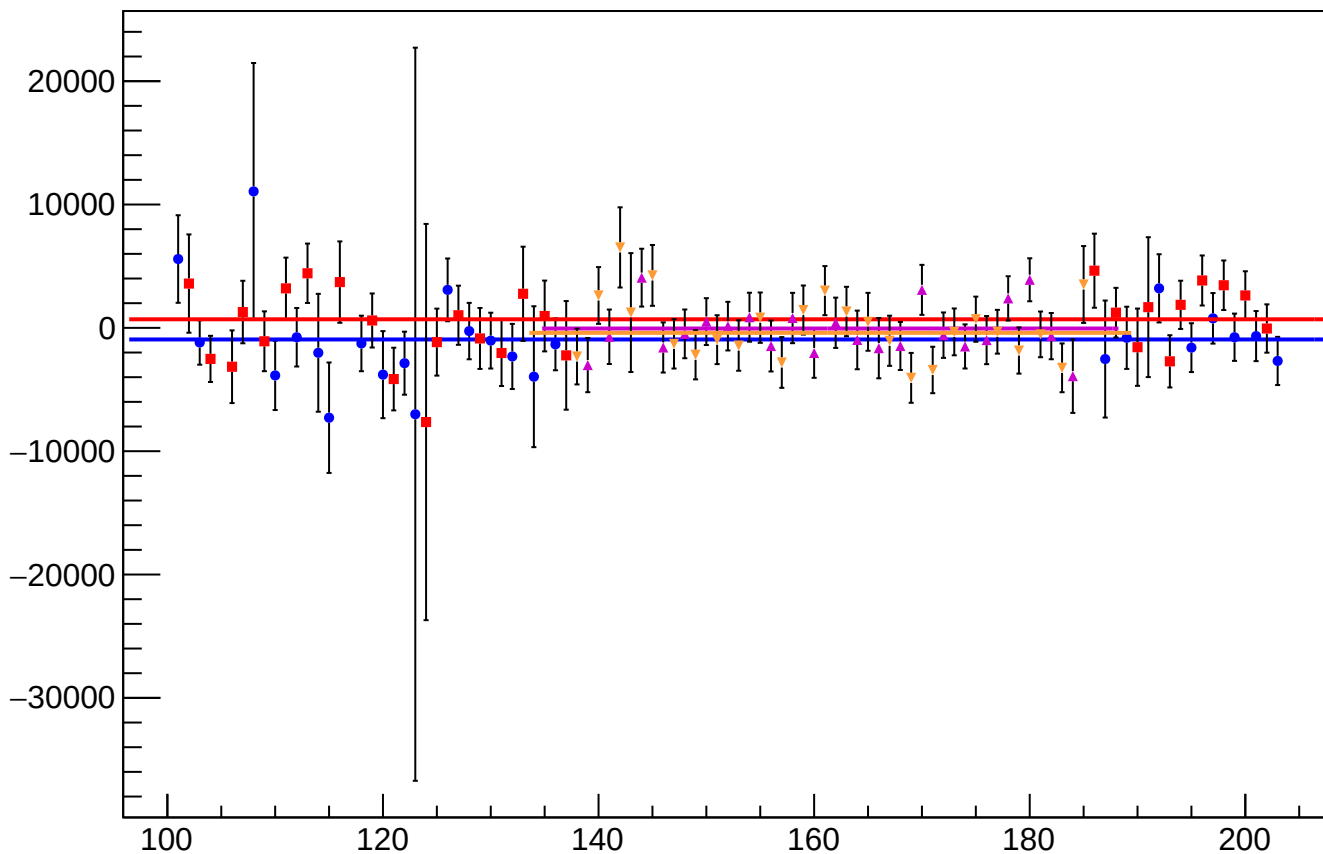
Right: 8379.039 ± 1.230 $\chi^2/\text{NDF}: 3865013.1/52$

In: 9122.273 ± 1.222 $\chi^2/\text{NDF}: 2818713.0/47$

Out: 8822.263 ± 1.148 $\chi^2/\text{NDF}: 4030888.6/52$

All: 8962.966 ± 0.837 $\chi^2/\text{NDF}: 6881628.6/100$

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -940.582 $\pm$ 514.962 χ^2 /NDF: 16.3/24

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

Right Out: 694.833 $\pm$ 475.425 χ^2 /NDF: 27.3/27

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

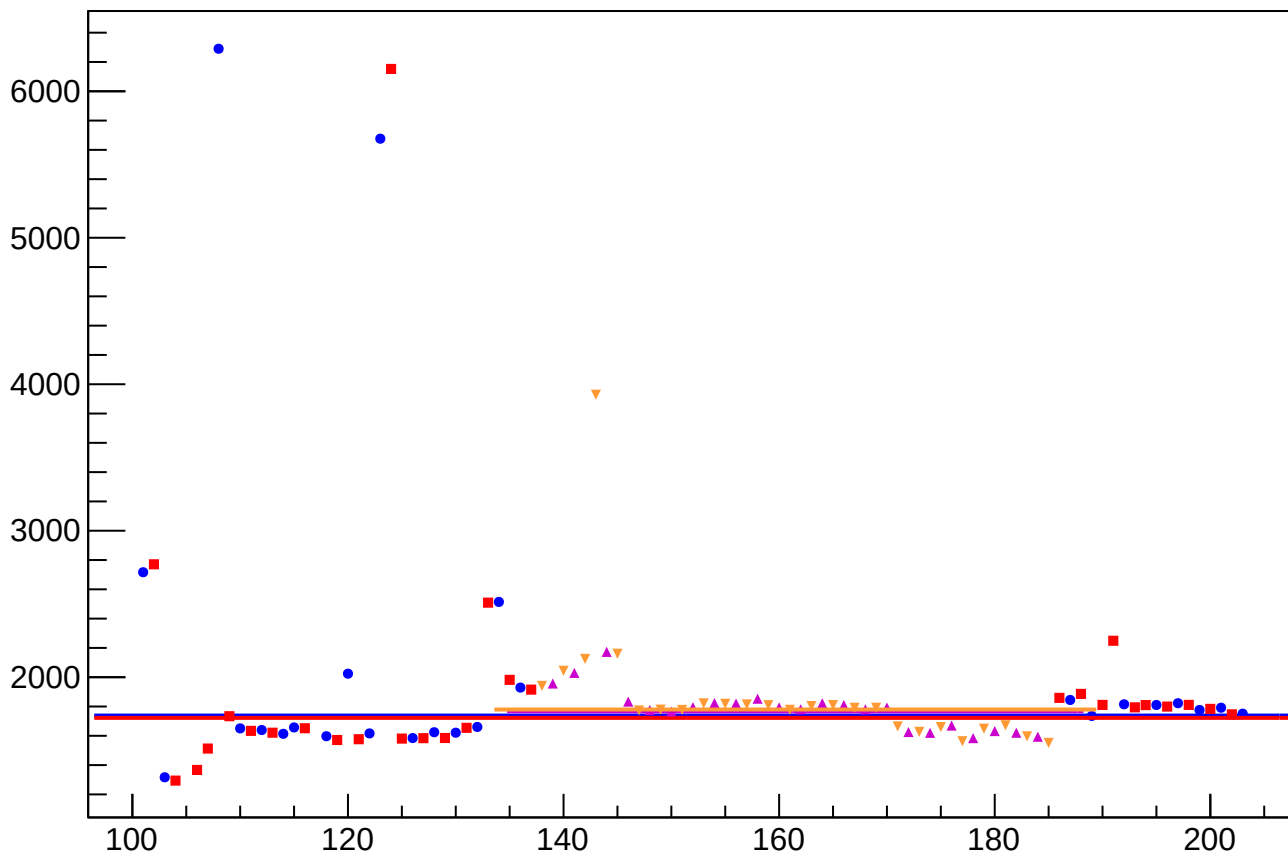
Right: -57.693 $\pm$ 349.318 χ^2 /NDF: 49.1/52

In: -410.485 $\pm$ 326.666 χ^2 /NDF:38.9/47

Out: 77.028 $\pm$ 314.446 χ^2 /NDF:59.3/52

All: -157.440 $\pm$ 226.544 χ^2 /NDF: 99.4/100

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1738.086 $\pm$ 0.364 χ^2 /NDF: 795491.8/24

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

Right Out: 1722.421 $\pm$ 0.336 χ^2 /NDF: 637407.0/27

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

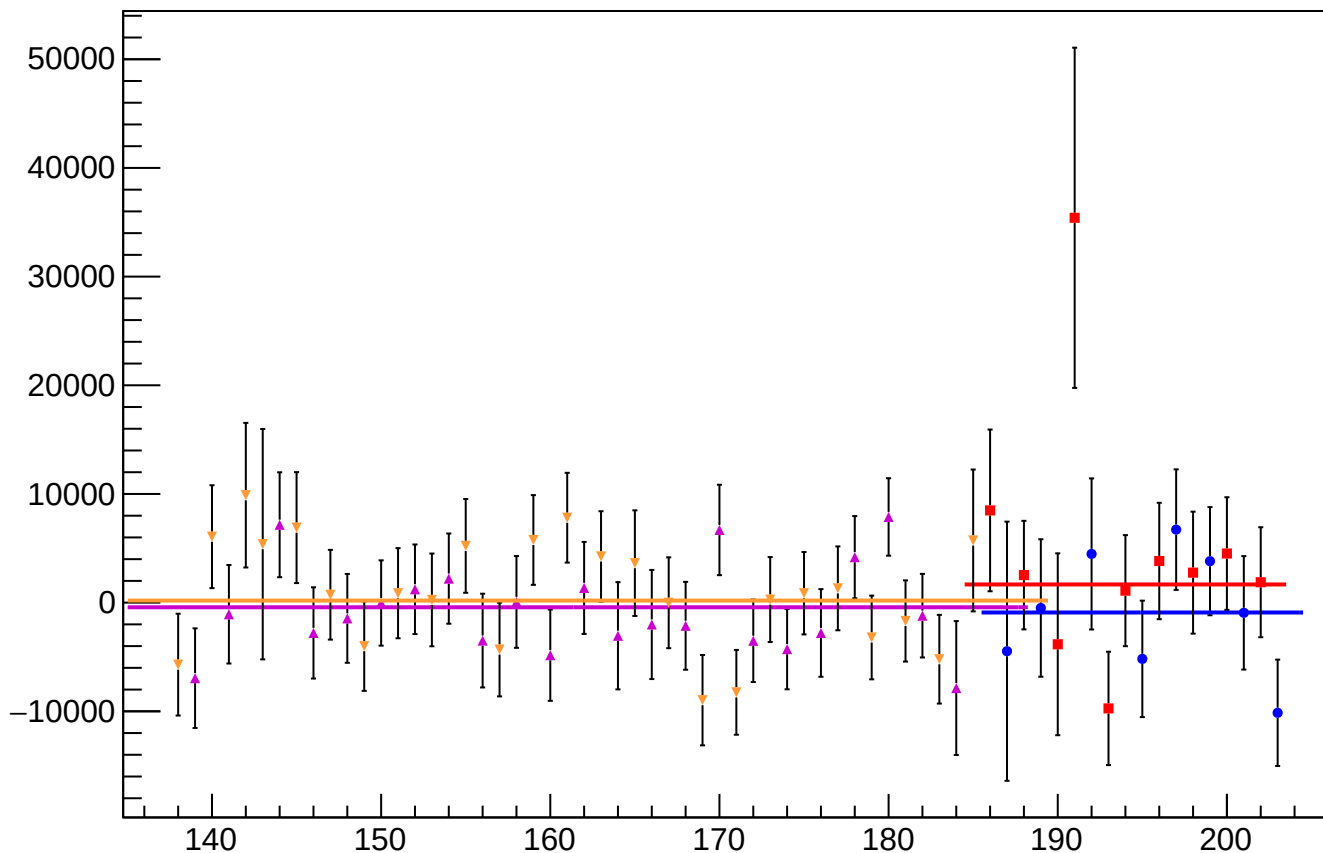
Right: 1729.629 $\pm$ 0.247 χ^2 /NDF: 1433897.9/52

In: 1755.553 $\pm$ 0.231 χ^2 /NDF: 995925.7/47

Out: 1754.494 $\pm$ 0.222 χ^2 /NDF: 1264512.0/52

All: 1755.003 $\pm$ 0.160 χ^2 /NDF: 2260448.7/100

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: -906.446 ± 2046.023 χ^2/NDF : 7.7/7

Left Out: 191.104 ± 869.912 χ^2/NDF : 30.6/24

Right Out: 1671.929 ± 1842.767 χ^2/NDF : 11.2/9

Left In: -426.004 ± 874.870 χ^2/NDF : 21.3/22

Left: -115.696 ± 616.866 χ^2/NDF : 52.1/47

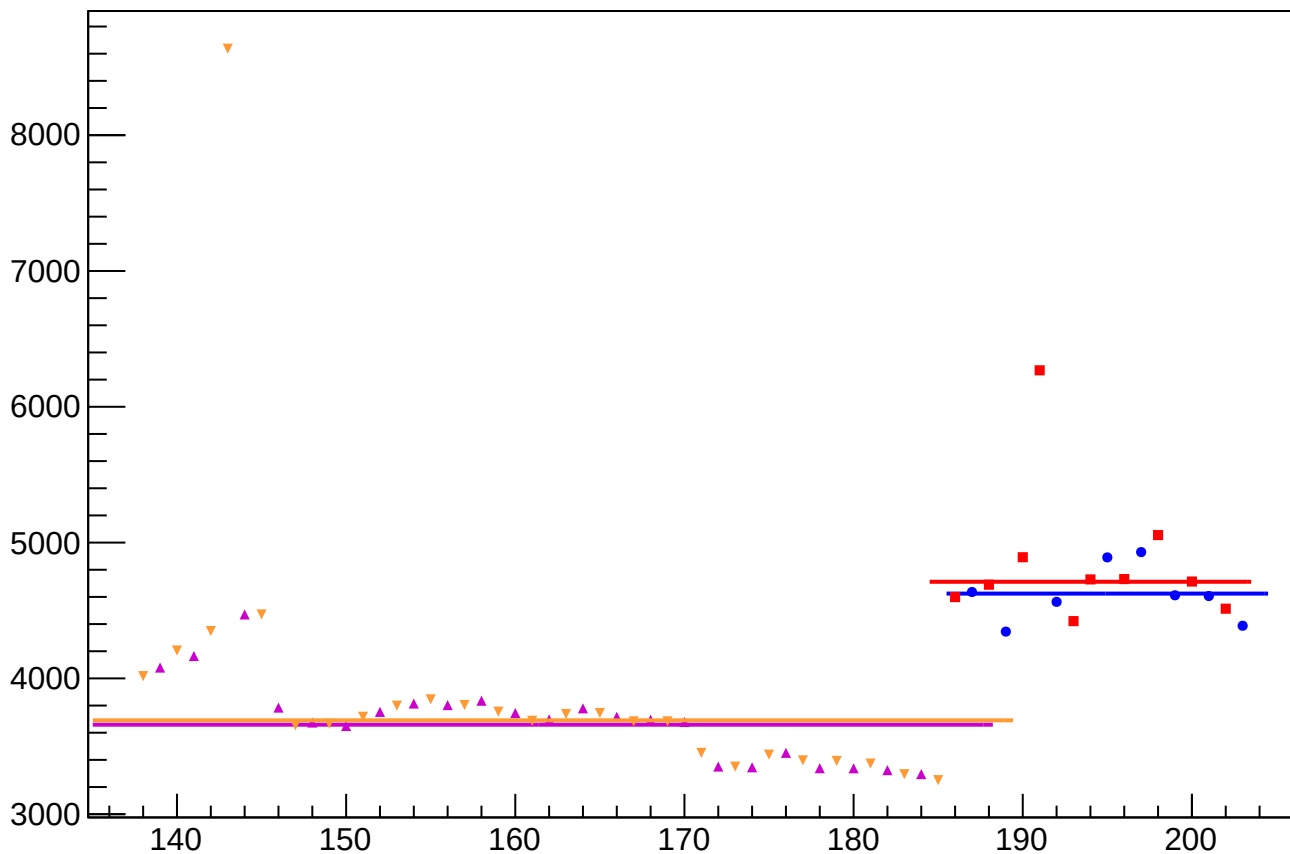
Right: 517.138 ± 1369.270 χ^2/NDF : 19.8/17

In: -500.269 ± 804.417 χ^2/NDF : 29.0/30

Out: 460.966 ± 786.663 χ^2/NDF : 42.4/34

All: -8.928 ± 562.427 χ^2/NDF : 72.1/65

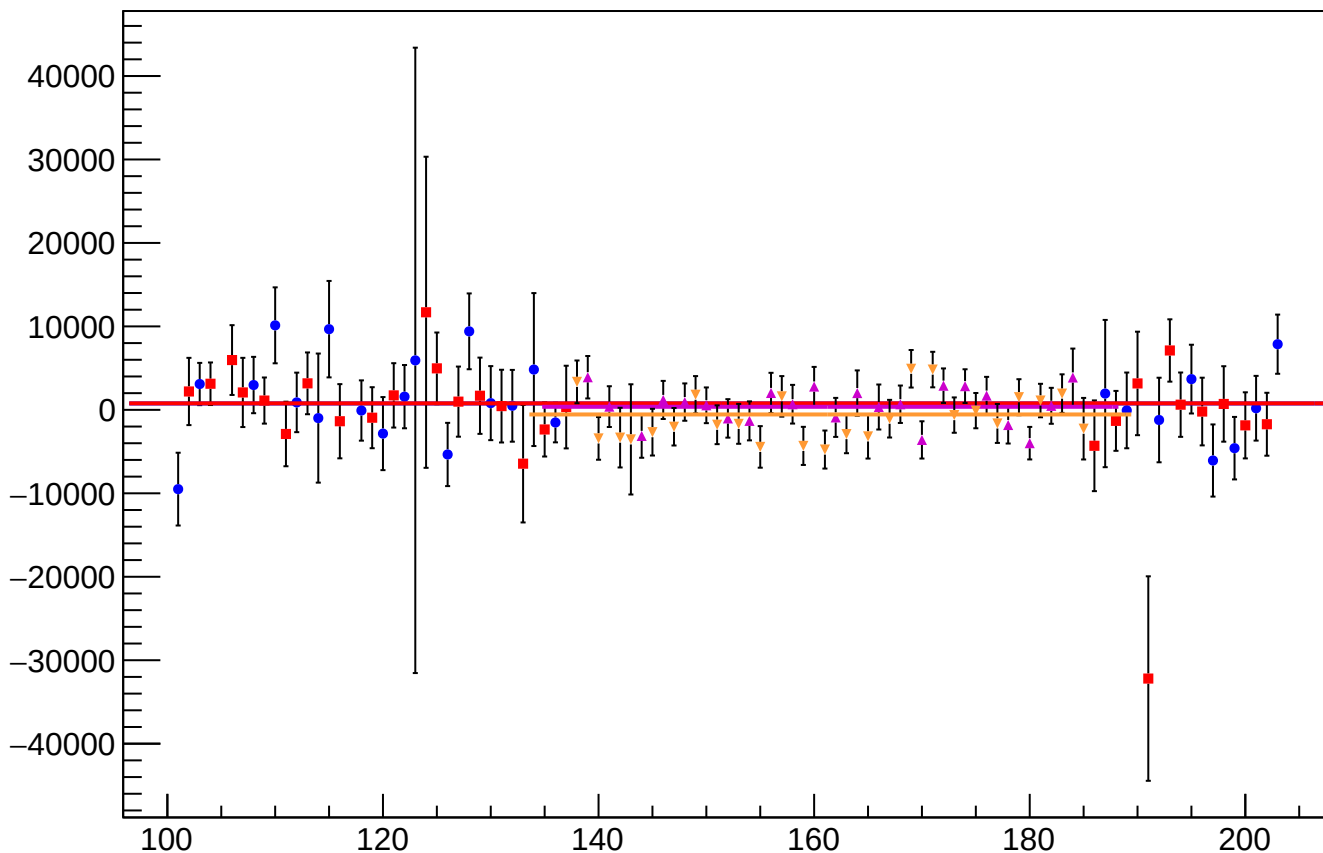
asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 4624.442 $\pm$ 1.447 χ^2 /NDF: 19803.5/7
 Left Out: 3691.174 $\pm$ 0.615 χ^2 /NDF:639471.7/24
 Right Out: 4711.497 $\pm$ 1.303 χ^2 /NDF: 38027.2/9
 Left In: 3659.086 $\pm$ 0.619 χ^2 /NDF:198077.1/22

Left: 3675.221 $\pm$ 0.436 χ^2 /NDF: 838901.7/47
 Right: 4672.508 $\pm$ 0.968 χ^2 /NDF: 59829.8/17
 In: 3808.307 $\pm$ 0.569 χ^2 /NDF:594288.7/30
 Out: 3877.116 $\pm$ 0.556 χ^2 /NDF:1178911.4/34
 All: 3843.479 $\pm$ 0.398 χ^2 /NDF: 1780680.4/65

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 763.970+/-813.527 χ^2/NDF : 30.9/24

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

Right Out: 778.992+/-768.805 χ^2/NDF : 20.2/27

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

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

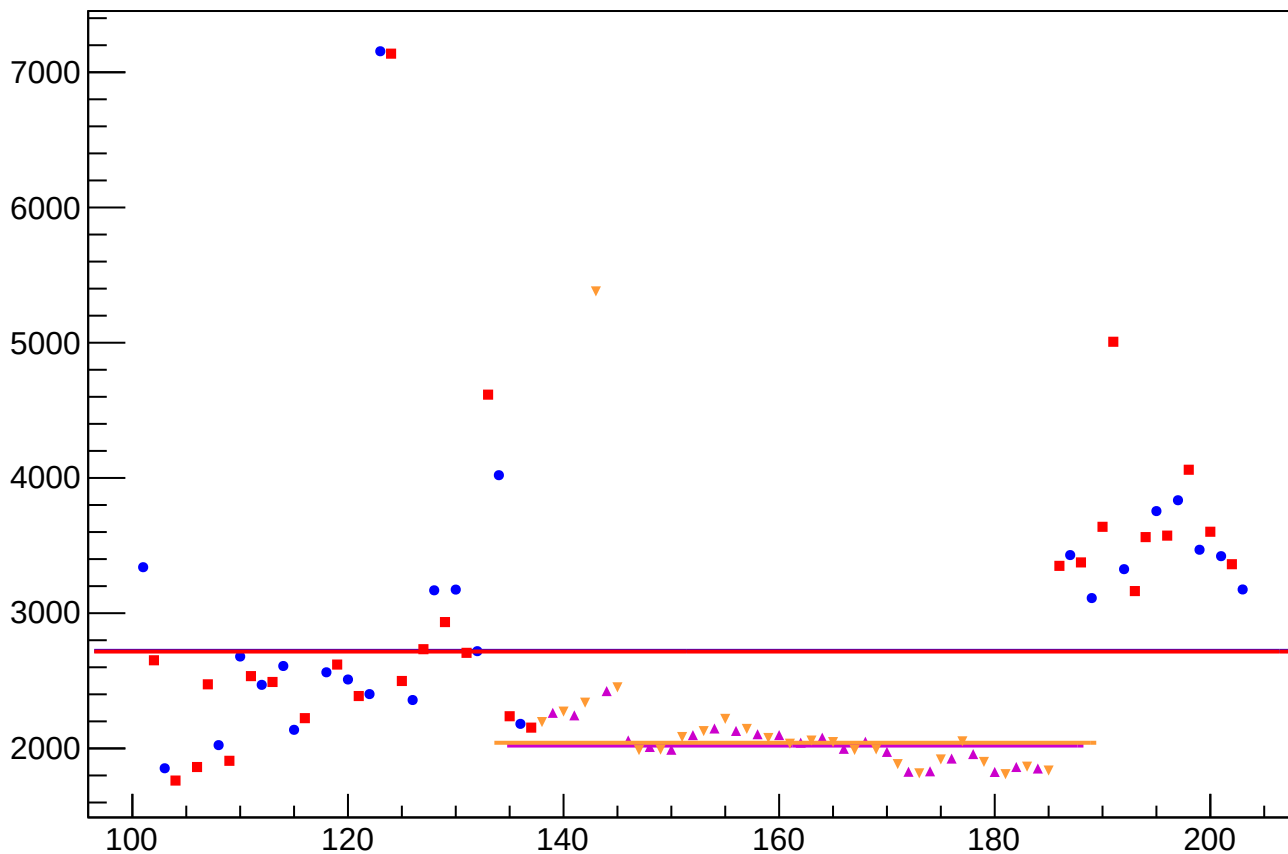
Right: 771.905+/-558.769 χ^2/NDF : 51.1/52

In: 469.930+/-415.376 χ^2/NDF :51.6/47

Out: -176.443+/-408.152 χ^2/NDF :56.4/52

All: 141.075+/-291.127 χ^2/NDF : 109.3/100

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2721.383 $\pm$ 0.575 χ^2/NDF : 1136908.8/24

Left Out: 2041.781 $\pm$ 0.341 χ^2/NDF : 706854.2/24

Right Out: 2716.402 $\pm$ 0.544 χ^2/NDF : 1690142.5/27

Left In: 2021.065 $\pm$ 0.342 χ^2/NDF : 178726.2/22

Left: 2031.455 $\pm$ 0.241 χ^2/NDF : 887424.8/47

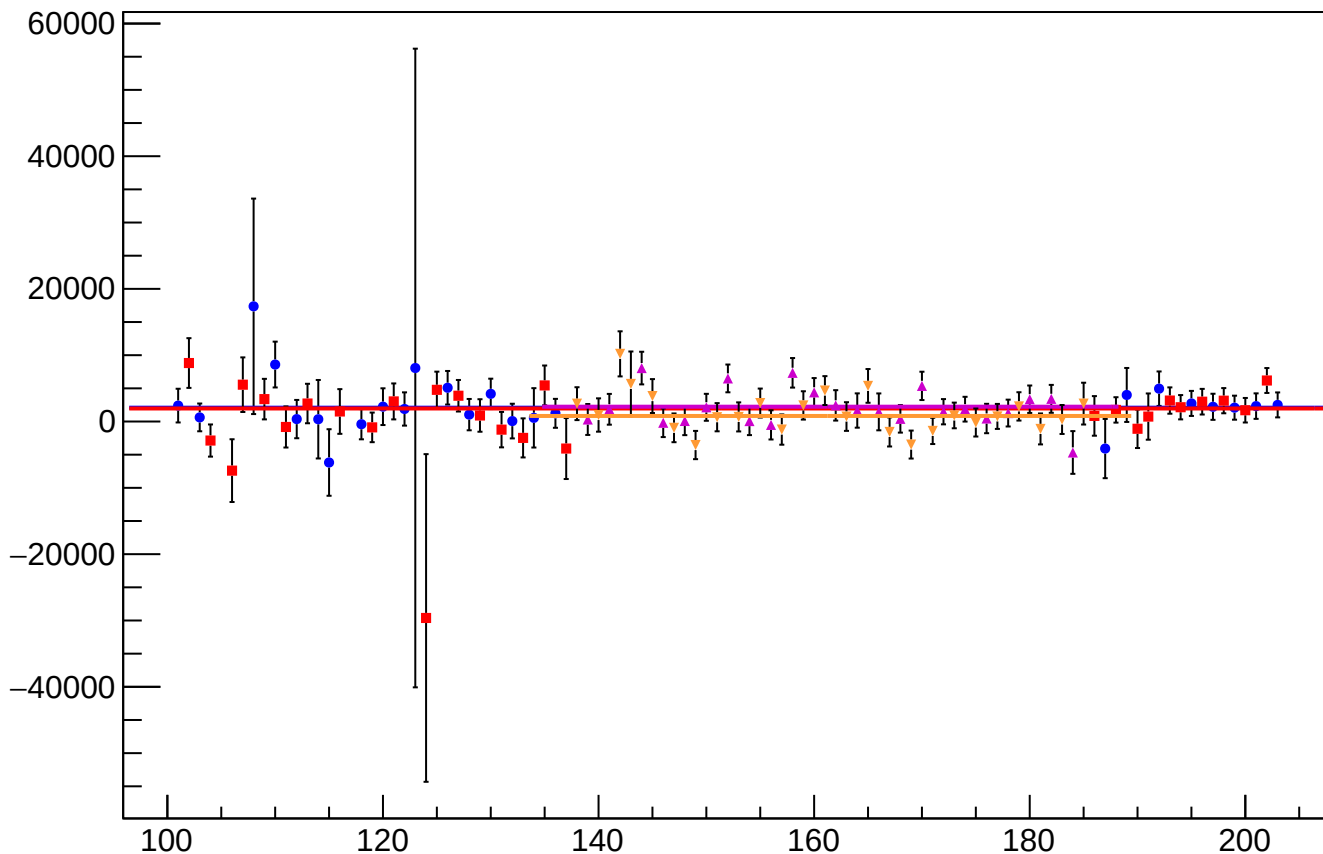
Right: 2718.752 $\pm$ 0.395 χ^2/NDF : 2827090.8/52

In: 2203.637 $\pm$ 0.294 χ^2/NDF : 2411354.6/47

Out: 2231.921 $\pm$ 0.289 χ^2/NDF : 3502950.8/52

All: 2218.027 $\pm$ 0.206 χ^2/NDF : 5919023.3/10

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2086.293+/-517.790 χ^2/NDF : 16.1/24

Left Out: 837.426+/-454.502 χ^2/NDF : 32.3/24

Right Out: 1964.593+/-485.374 χ^2/NDF : 32.7/27

Left In: 2235.652+/-457.720 χ^2/NDF : 31.0/22

Left: 1531.607+/-322.513 χ^2/NDF : 68.0/47

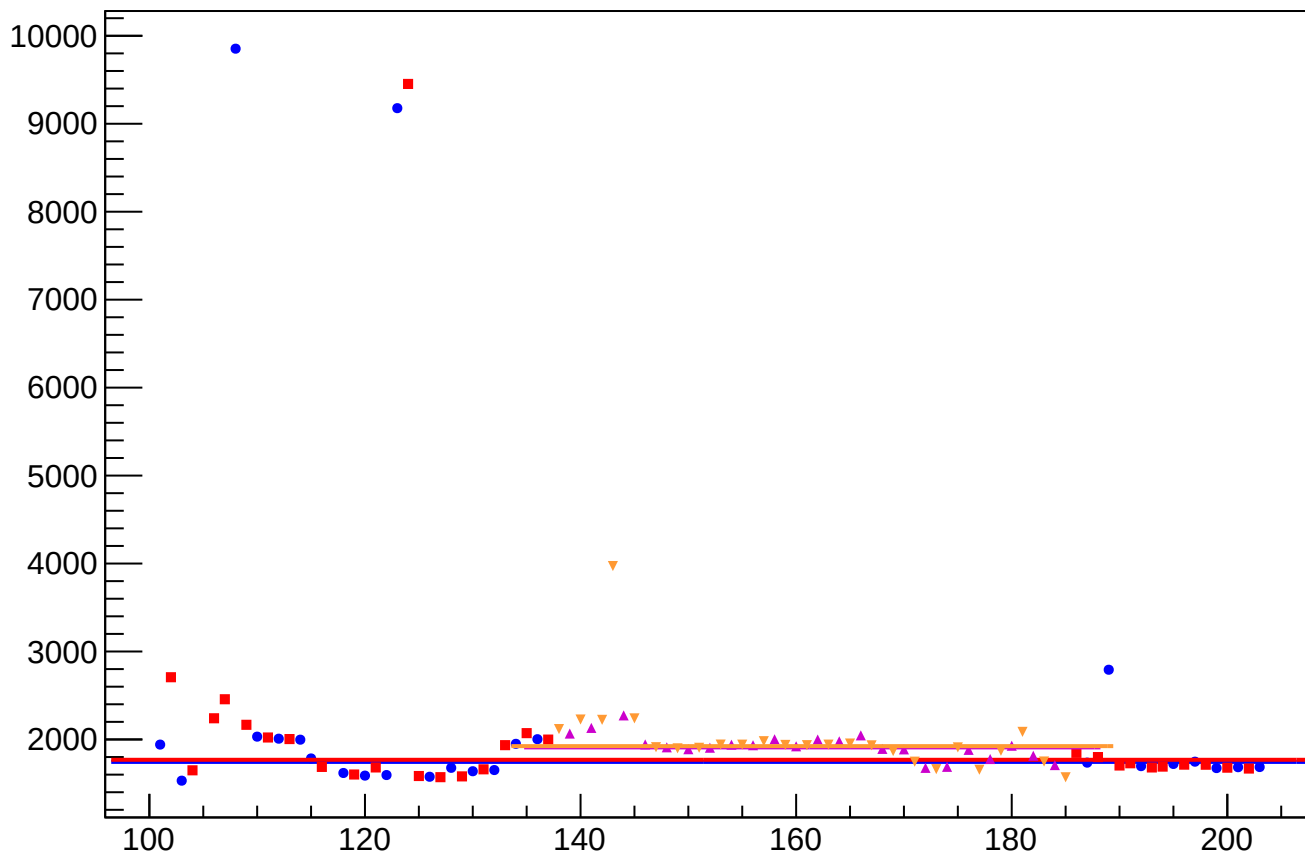
Right: 2021.515+/-354.117 χ^2/NDF : 48.8/52

In: 2170.135+/-342.937 χ^2/NDF : 47.1/47

Out: 1364.025+/-331.759 χ^2/NDF : 67.9/52

All: 1753.729+/-238.443 χ^2/NDF : 117.9/100

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1744.753+/-0.366 χ^2/NDF : 822986.7/24

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

Right Out: 1768.802+/-0.343 χ^2/NDF : 570179.3/27

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

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

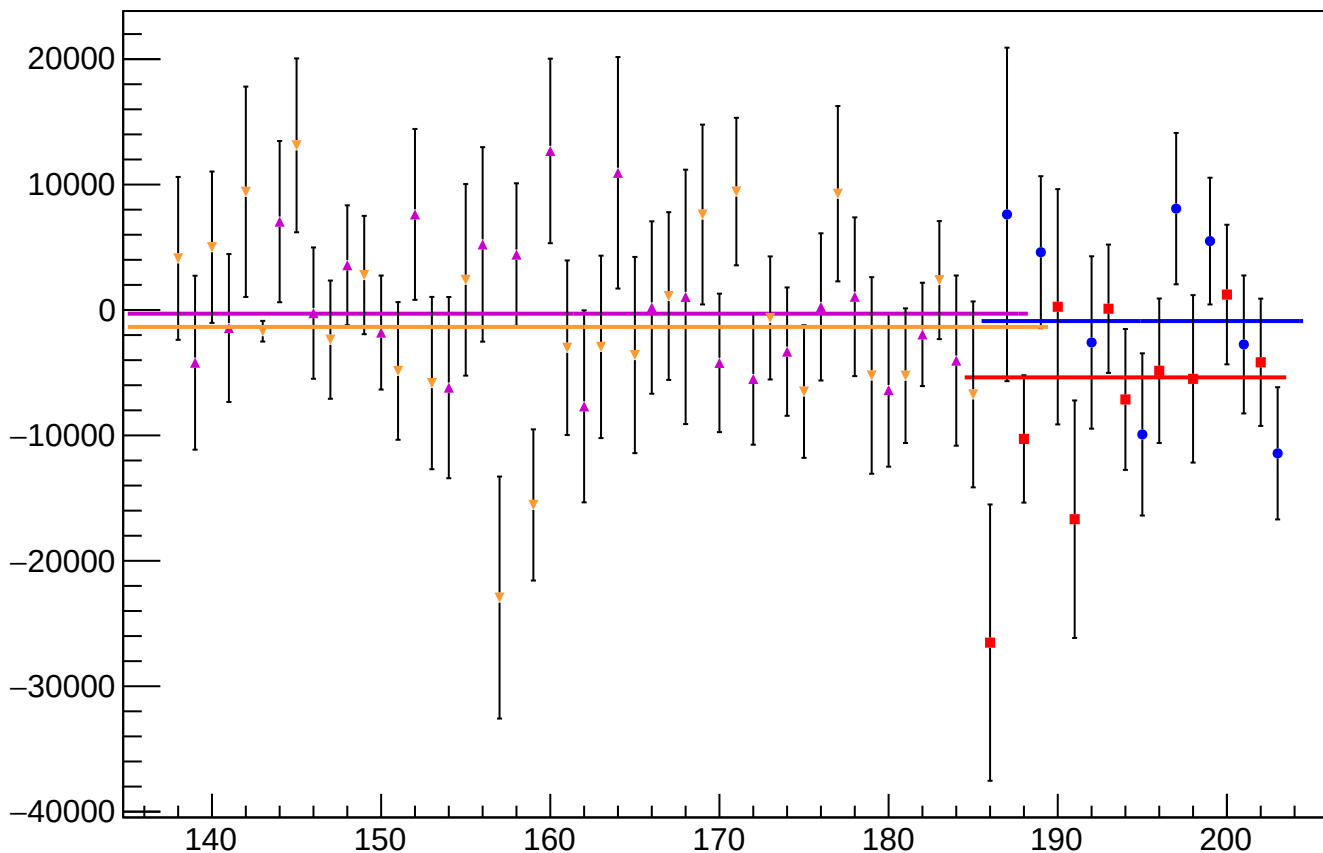
Right: 1757.560+/-0.250 χ^2/NDF : 1395463.7/52

In: 1837.321+/-0.242 χ^2/NDF : 1101333.6/47

Out: 1851.491+/-0.235 χ^2/NDF : 1263241.1/52

All: 1844.642+/-0.169 χ^2/NDF : 2366339.1/100

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: -881.947 ± 2163.521 $\chi^2/\text{NDF}: 11.2/7$

Left Out: -1349.584 ± 690.658 $\chi^2/\text{NDF}: 30.9/24$

Right Out: -5373.460 ± 1949.405 $\chi^2/\text{NDF}: 9.1/9$

Left In: -294.047 ± 1252.274 $\chi^2/\text{NDF}: 14.5/22$

Left: -1103.398 ± 604.776 $\chi^2/\text{NDF}: 46.0/47$

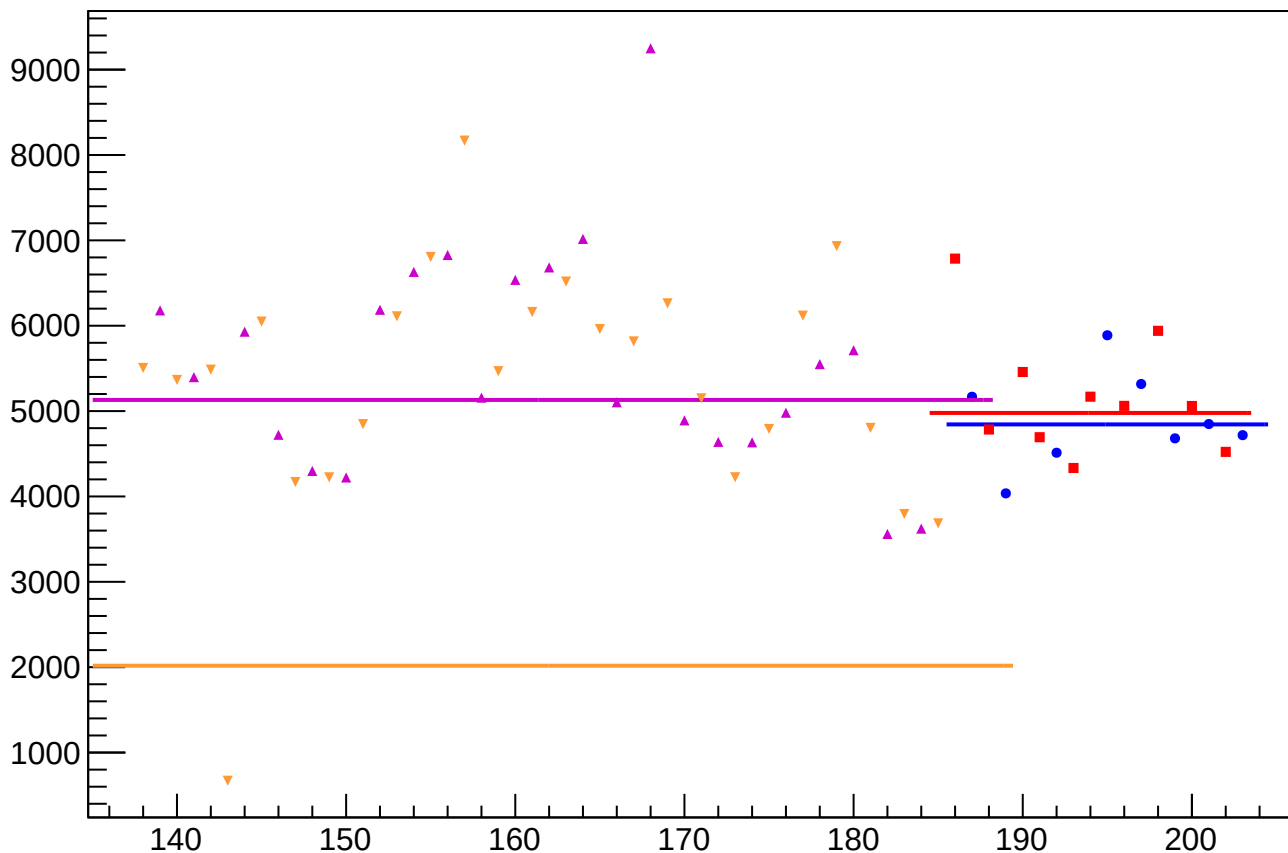
Right: -3360.896 ± 1448.237 $\chi^2/\text{NDF}: 22.7/17$

In: -441.581 ± 1083.814 $\chi^2/\text{NDF}: 25.8/30$

Out: -1798.343 ± 651.008 $\chi^2/\text{NDF}: 43.8/34$

All: -1438.616 ± 558.071 $\chi^2/\text{NDF}: 70.7/65$

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 4844.022+/-1.530

χ^2/NDF : 109079.6/7

Left Out: 2017.245+/-0.488

χ^2/NDF : 19159743.3/24

Right Out: 4978.422+/-1.378

χ^2/NDF : 156380.7/9

Left In: 5130.756+/-0.885

χ^2/NDF : 1489813.1/22

Left: 2743.420+/-0.428

χ^2/NDF : 30129278.1/47

Right: 4918.200+/-1.024

χ^2/NDF : 269720.0/17

In: 5058.800+/-0.766

χ^2/NDF : 1625206.1/30

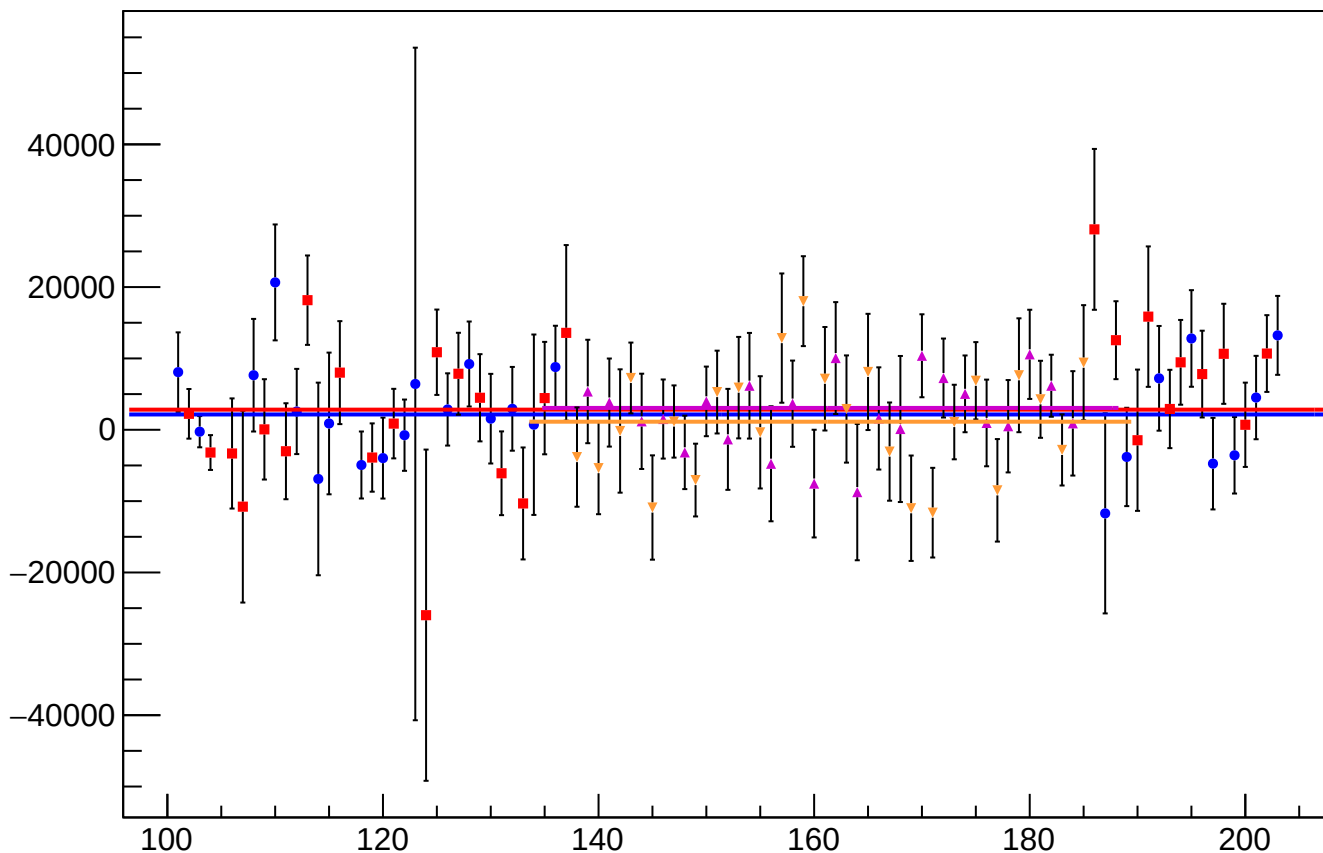
Out: 2347.487+/-0.460

χ^2/NDF : 23416281.9/34

All: 3066.355+/-0.395

χ^2/NDF : 34239349.1/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2145.960+/-1133.652 χ^2/NDF : 26.2/24

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

Right Out: 2821.261+/-1094.645 χ^2/NDF : 43.0/27

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

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

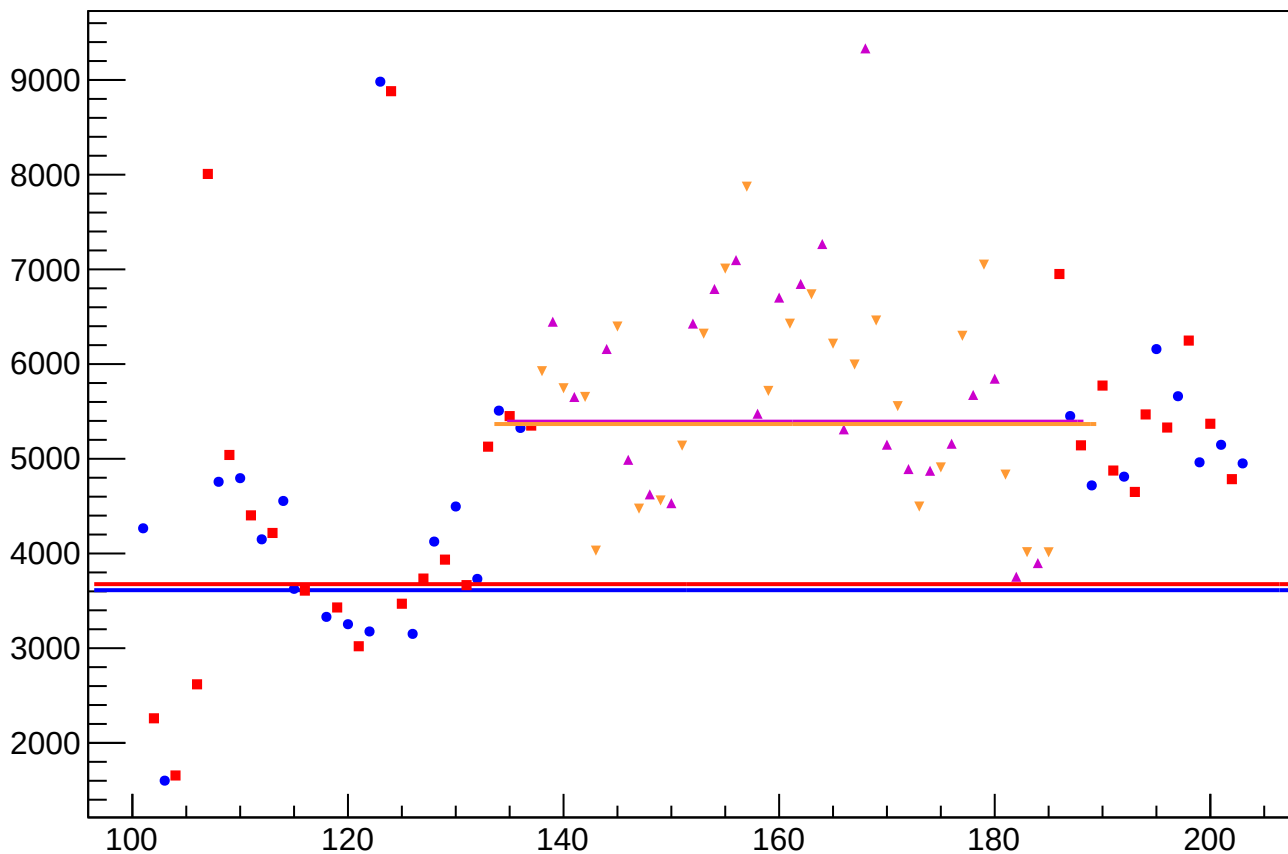
Right: 2495.428+/-787.460 χ^2/NDF : 69.4/52

In: 2536.883+/-858.127 χ^2/NDF : 38.8/47

Out: 2108.036+/-831.976 χ^2/NDF : 76.5/52

All: 2315.826+/-597.327 χ^2/NDF : 115.4/100

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3612.587 $\pm$ 0.802

χ^2 /NDF: 3183287.3/24

Left Out: 5366.944 $\pm$ 0.905

χ^2 /NDF: 1213541.3/24

Right Out: 3676.242 $\pm$ 0.766

χ^2 /NDF: 3800192.6/27

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

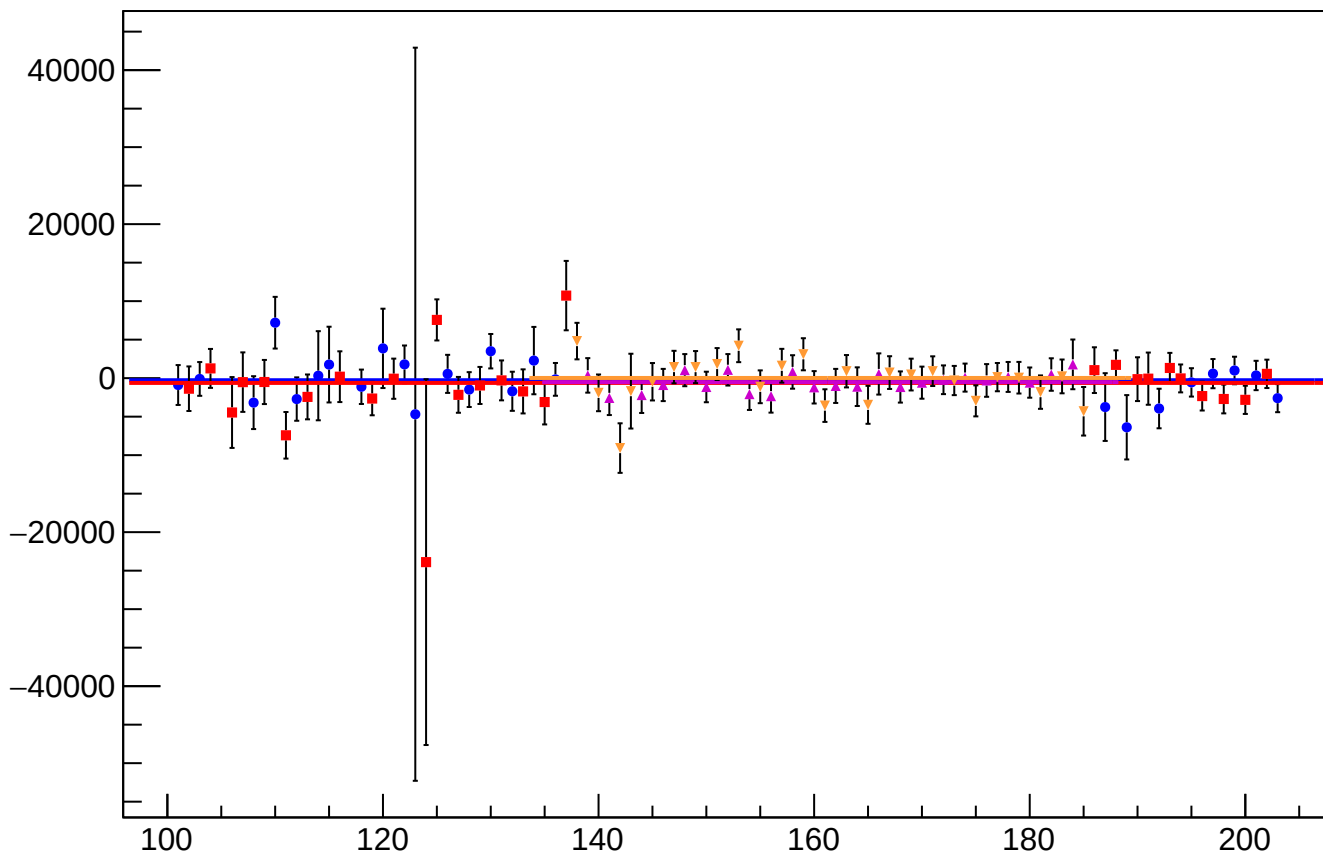
Right: 3645.865 $\pm$ 0.554 χ^2 /NDF: 6986776.5/52

In: 4372.414 $\pm$ 0.607 χ^2 /NDF: 6607781.4/47

Out: 4381.553 $\pm$ 0.585 χ^2 /NDF: 7046758.0/52

All: 4377.153 $\pm$ 0.421 χ^2 /NDF: 13654657.0/1

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -270.233 ± 510.131 χ^2/NDF : 19.3/24

Left Out: 23.375 ± 440.724 χ^2/NDF : 31.7/24

Right Out: -618.656 ± 473.445 χ^2/NDF : 32.7/27

Left In: -514.693 ± 444.402 χ^2/NDF : 5.9/22

Left: -243.423 ± 312.931 χ^2/NDF : 38.4/47

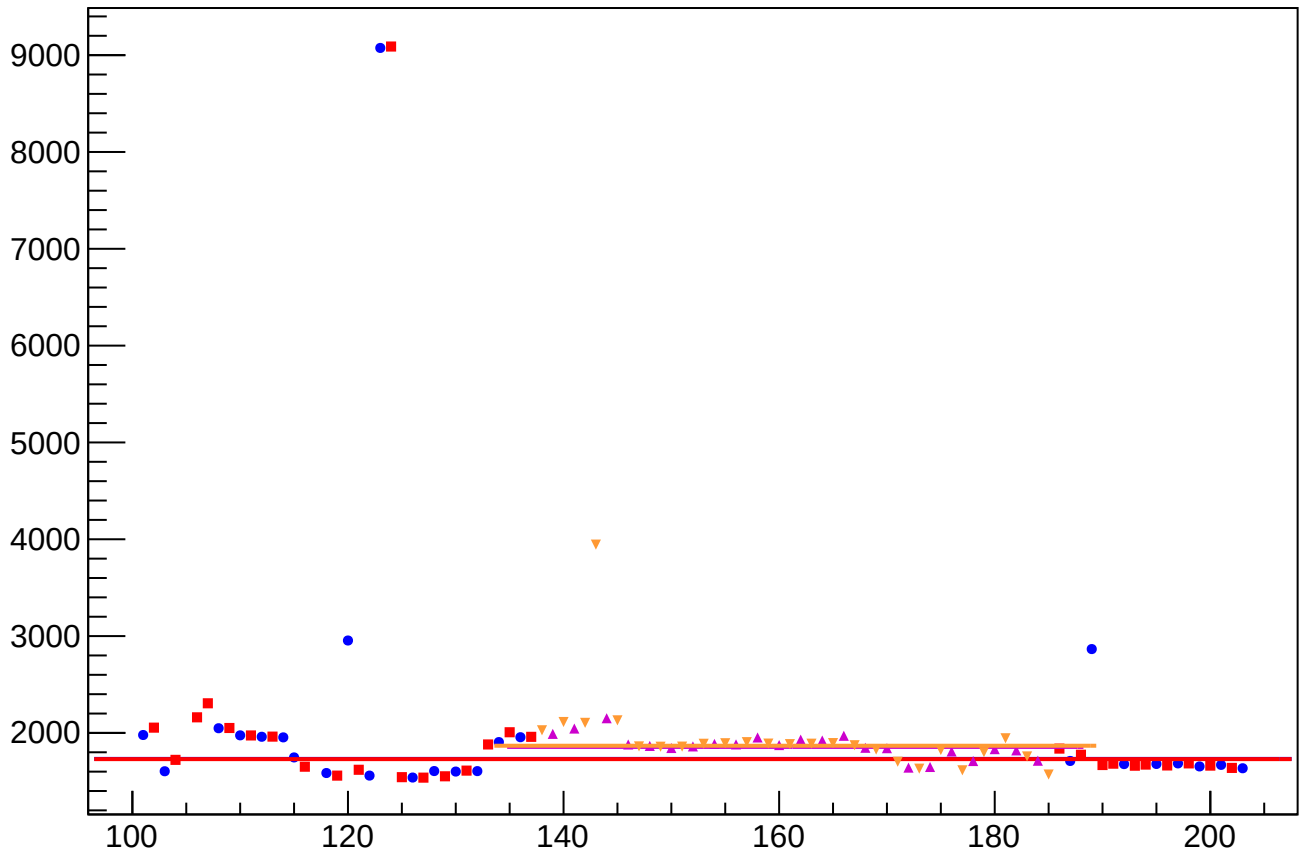
Right: -457.422 ± 347.022 χ^2/NDF : 52.3/52

In: -409.217 ± 335.085 χ^2/NDF : 25.4/47

Out: -274.690 ± 322.587 χ^2/NDF : 65.4/52

All: -339.398 ± 232.396 χ^2/NDF : 90.9/100

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1731.592+/-0.361 χ^2/NDF : 465256.1/24

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

Right Out: 1729.265+/-0.335 χ^2/NDF : 437892.3/27

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

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

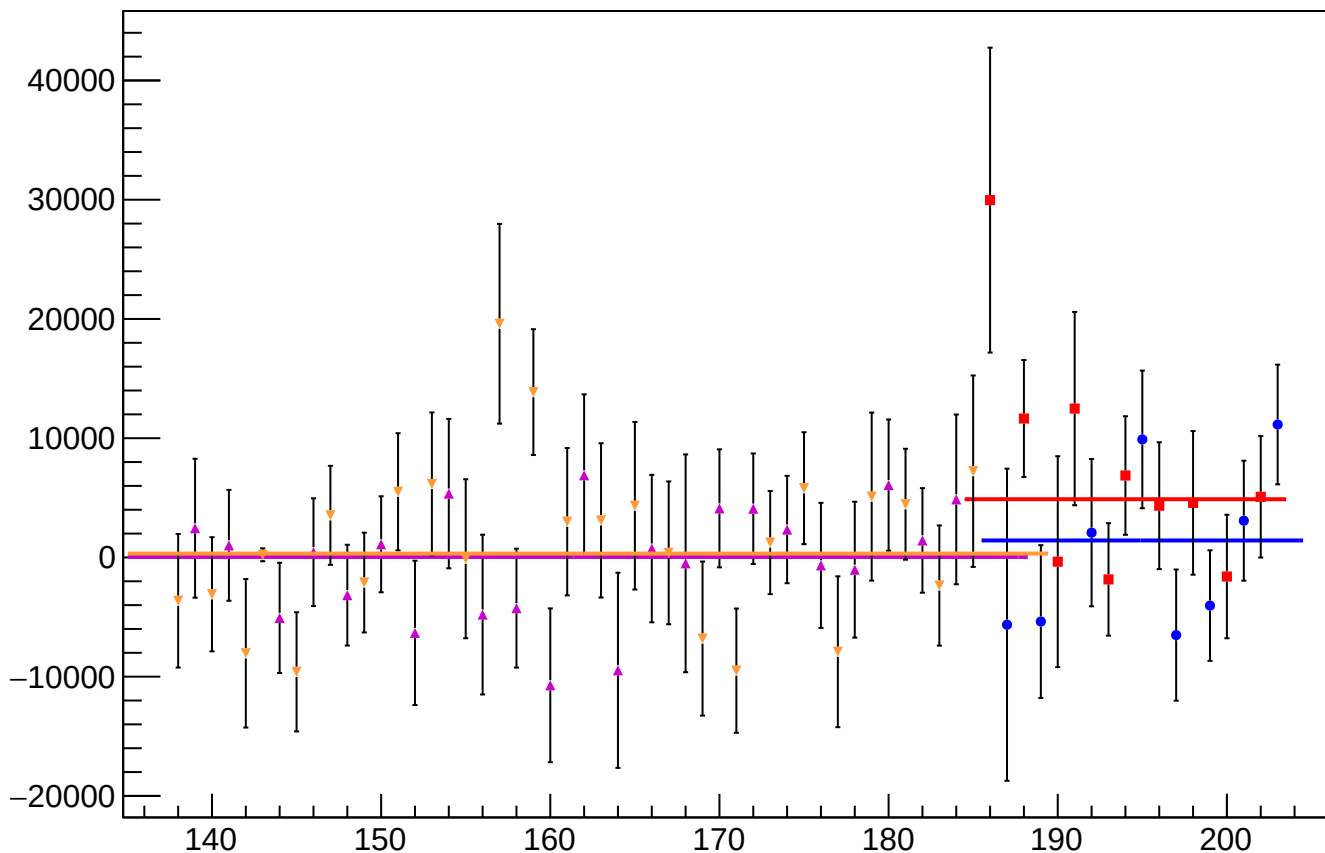
Right: 1730.341+/-0.245 χ^2/NDF : 903170.8/52

In: 1802.026+/-0.237 χ^2/NDF : 668538.0/47

Out: 1803.293+/-0.228 χ^2/NDF : 1074707.5/52

All: 1802.684+/-0.164 χ^2/NDF : 1743260.3/100

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 1423.482+/-2019.386 χ^2/NDF : 10.9/7

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

Right Out: 4881.757+/-1826.270 χ^2/NDF : 10.8/9

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

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

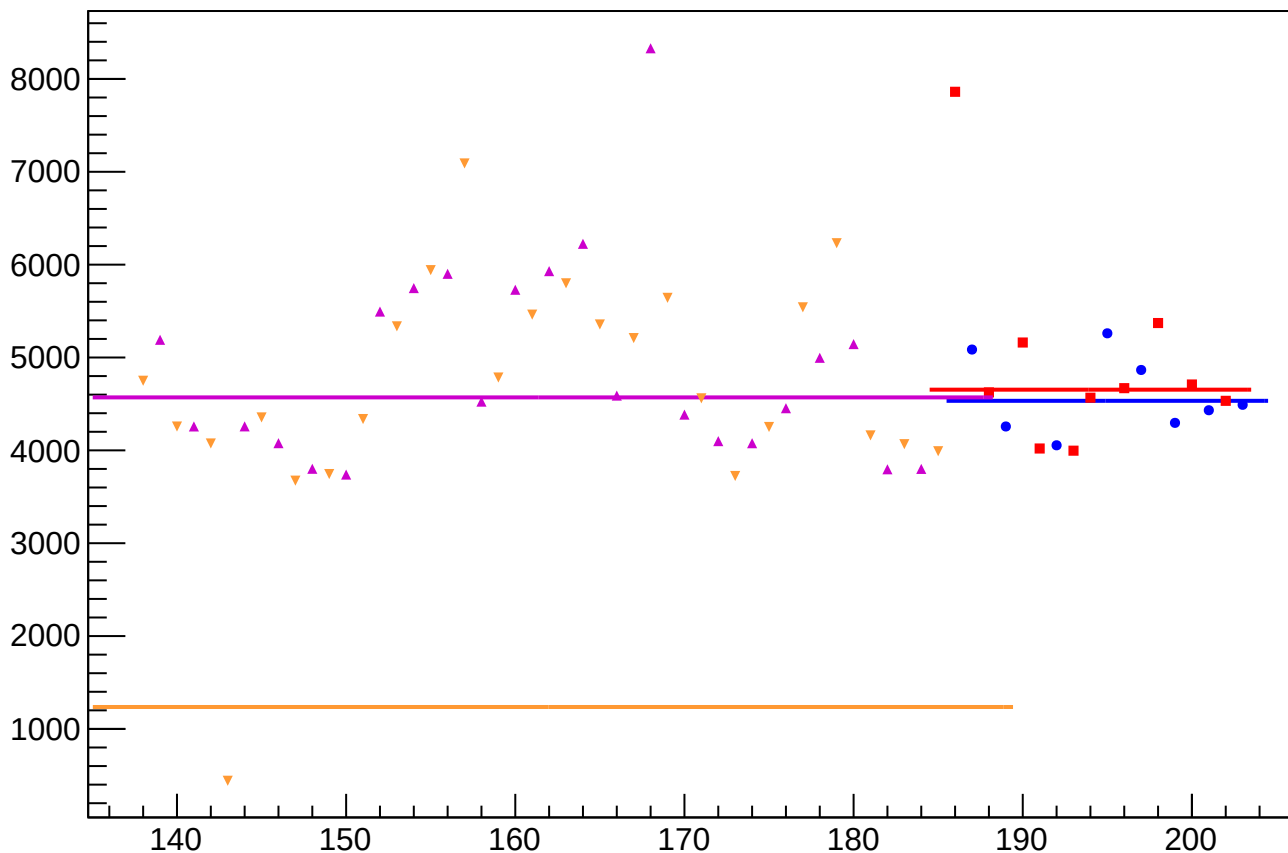
Right: 3325.846+/-1354.510 χ^2/NDF : 23.3/17

In: 361.010+/-972.564 χ^2/NDF : 25.1/30

Out: 629.081+/-471.674 χ^2/NDF : 49.1/34

All: 578.035+/-424.397 χ^2/NDF : 74.3/65

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 4533.467+/-1.428 χ^2/NDF : 64534.7/7

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

Right Out: 4653.613+/-1.291 χ^2/NDF : 213969.6/9

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

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

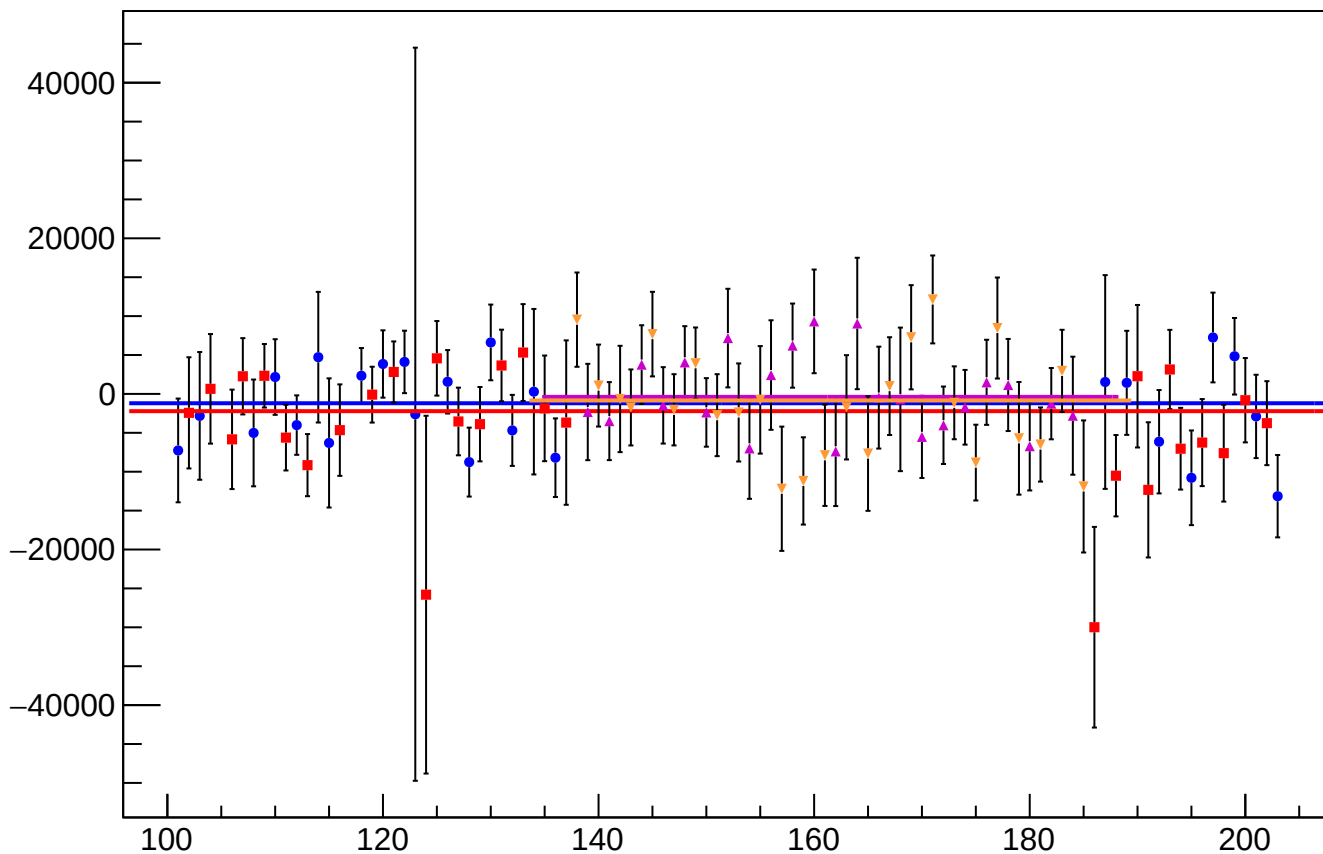
Right: 4599.558+/-0.958 χ^2/NDF : 282398.7/17

In: 4561.832+/-0.688 χ^2/NDF : 1210260.1/30

Out: 1464.128+/-0.334 χ^2/NDF : 30146002.1/34

All: 2053.987+/-0.300 χ^2/NDF : 47782349.3/6

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -1199.978 ± 1077.367 $\chi^2/\text{NDF}: 27.7/24$

Left Out: -845.427 ± 1152.677 $\chi^2/\text{NDF}: 30.0/24$

Right Out: -2216.835 ± 1015.073 $\chi^2/\text{NDF}: 26.9/27$

Left In: -385.098 ± 1181.458 $\chi^2/\text{NDF}: 13.9/22$

Left: -620.938 ± 825.053 $\chi^2/\text{NDF}: 44.0/47$

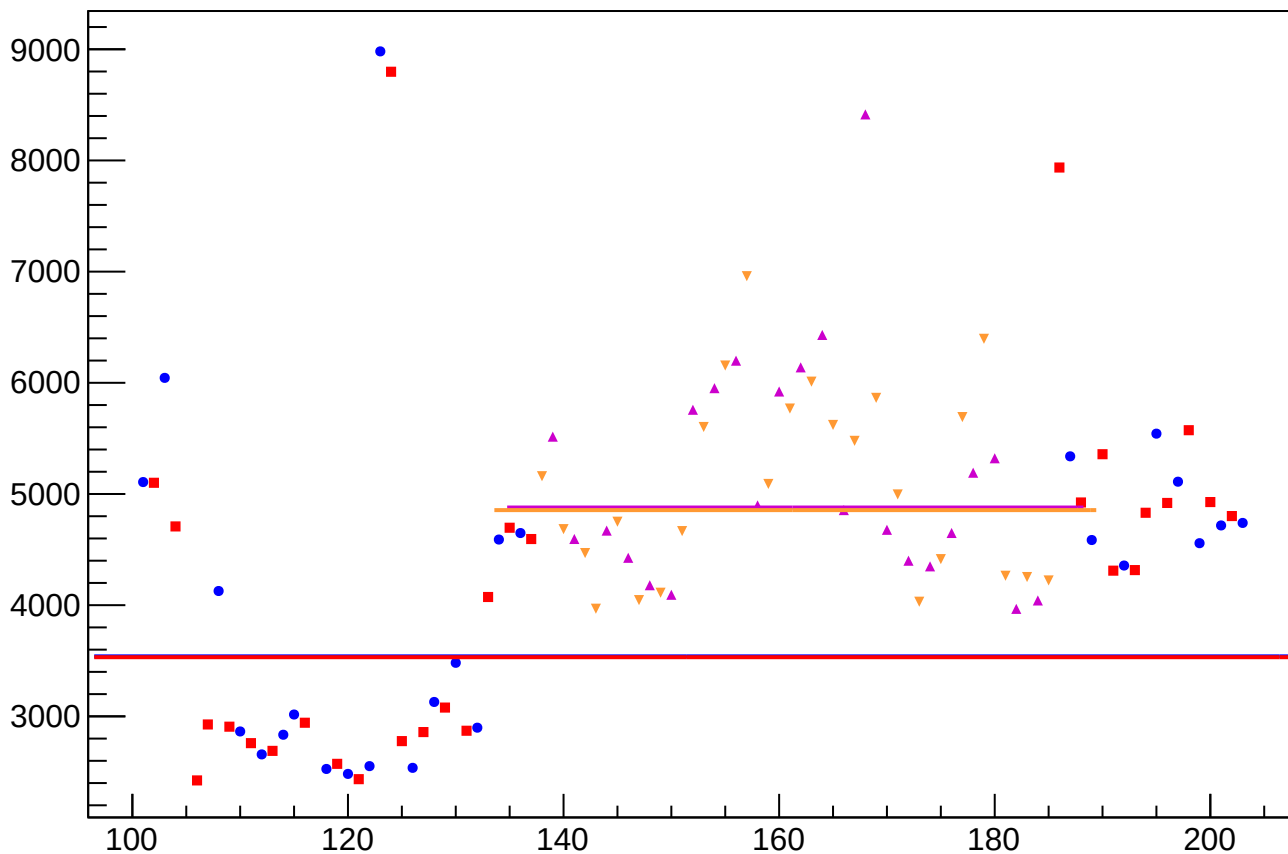
Right: -1738.653 ± 738.806 $\chi^2/\text{NDF}: 55.1/52$

In: -830.010 ± 796.075 $\chi^2/\text{NDF}: 41.9/47$

Out: -1617.835 ± 761.794 $\chi^2/\text{NDF}: 57.8/52$

All: -1241.250 ± 550.390 $\chi^2/\text{NDF}: 100.2/100$

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3539.601 $\pm$ 0.762 χ^2 /NDF: 1965105.9/24

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

Right Out: 3532.008 $\pm$ 0.711 χ^2 /NDF: 2386259.1/27

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

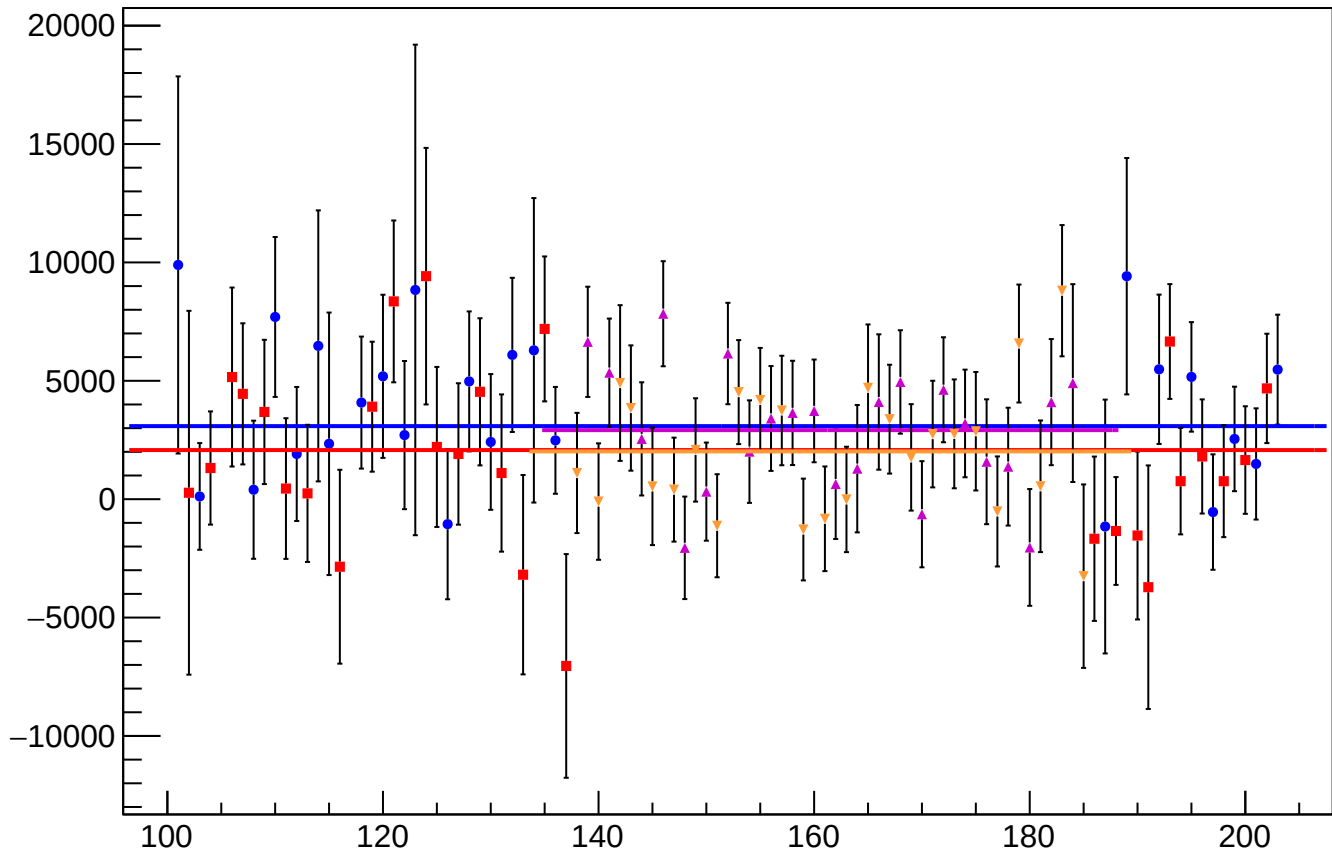
Right: 3535.544 $\pm$ 0.520 χ^2 /NDF: 4351418.1/52

In: 4147.372 $\pm$ 0.563 χ^2 /NDF:4332222.7/47

Out: 4103.894 $\pm$ 0.536 χ^2 /NDF:4777405.5/52

All: 4124.564 $\pm$ 0.388 χ^2 /NDF: 9112757.7/100

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3085.313 $\pm$ 610.440 χ^2/NDF : 17.3/24

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

Right Out: 2073.763 $\pm$ 565.890 χ^2/NDF : 29.6/27

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

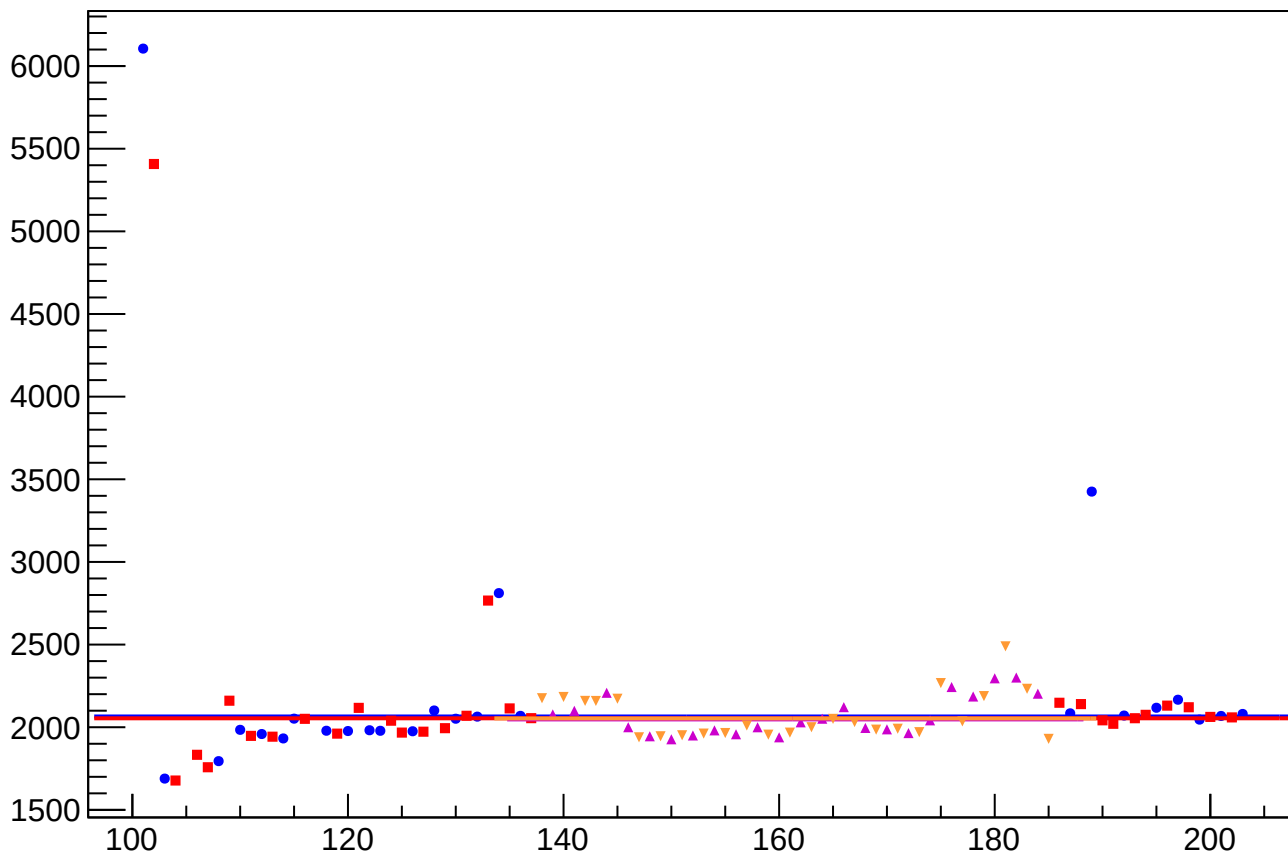
Right: 2541.283 $\pm$ 415.002 χ^2/NDF : 48.4/52

In: 2982.302 $\pm$ 381.859 χ^2/NDF : 46.2/47

Out: 2042.178 $\pm$ 366.645 χ^2/NDF : 56.8/52

All: 2493.139 $\pm$ 264.472 χ^2/NDF : 106.1/100

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2065.019 $\pm$ 0.432 χ^2 /NDF: 779627.0/24

Left Out: 2053.296 $\pm$ 0.340 χ^2 /NDF:136888.1/24

Right Out: 2053.996 $\pm$ 0.400 χ^2 /NDF: 538166.5/27

Left In: 2047.277 $\pm$ 0.346 χ^2 /NDF:103001.2/22

Left: 2050.337 $\pm$ 0.243 χ^2 /NDF: 240043.0/47

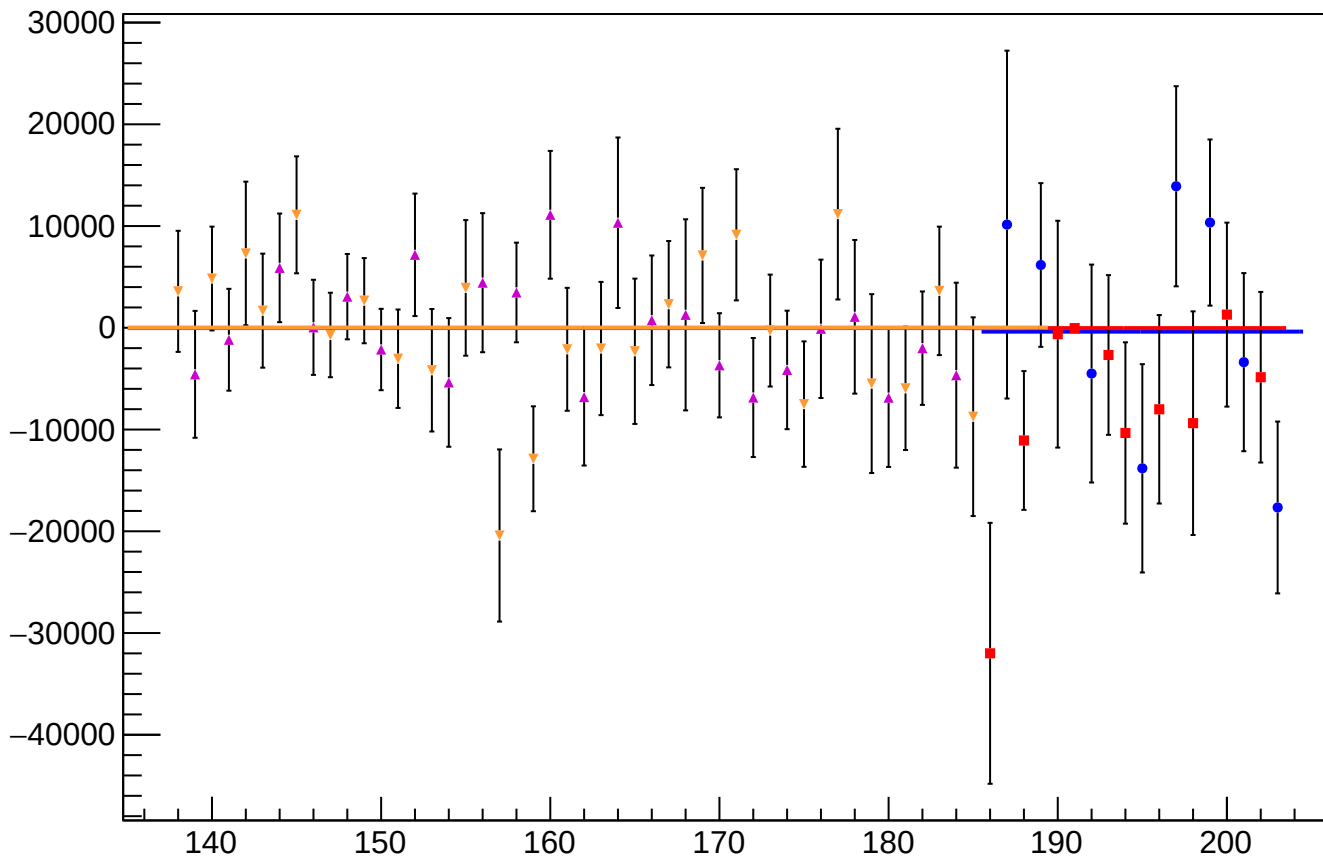
Right: 2059.090 $\pm$ 0.293 χ^2 /NDF: 1318144.3/52

In: 2054.220 $\pm$ 0.270 χ^2 /NDF:883656.5/47

Out: 2053.590 $\pm$ 0.259 χ^2 /NDF:675056.4/52

All: 2053.892 $\pm$ 0.187 χ^2 /NDF: 1558715.8/100

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -375.589 ± 3341.721 $\chi^2/\text{NDF}: 11.1/7$

Left Out: 25.977 ± 1194.625 $\chi^2/\text{NDF}: 29.2/24$

Right Out: -31.784 ± 15.145 $\chi^2/\text{NDF}: 12.1/9$

Left In: -23.765 ± 1211.652 $\chi^2/\text{NDF}: 15.2/22$

Left: 1.458 ± 850.684 $\chi^2/\text{NDF}: 44.4/47$

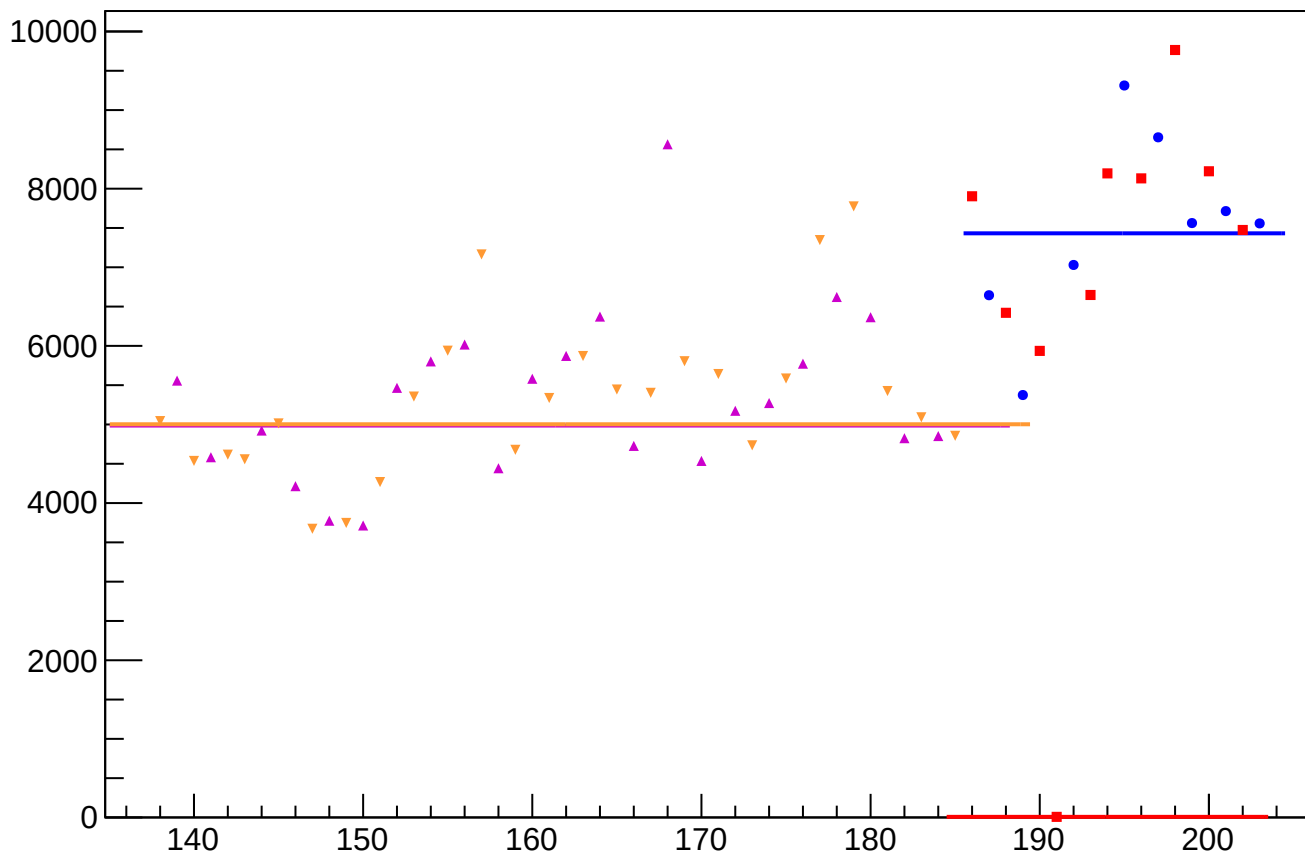
Right: -31.791 ± 15.145 $\chi^2/\text{NDF}: 23.2/17$

In: -64.644 ± 1139.087 $\chi^2/\text{NDF}: 26.3/30$

Out: -31.774 ± 15.144 $\chi^2/\text{NDF}: 41.3/34$

All: -31.780 ± 15.142 $\chi^2/\text{NDF}: 67.6/65$

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 7431.991 $\pm$ 2.363 χ^2 /NDF: 239270.8/7

Left Out: 5002.559 $\pm$ 0.845 χ^2 /NDF:1145597.1/24

Right Out: 7.696 $\pm$ 0.011 χ^2 /NDF: 12563097.9/9

Left In: 4986.169 $\pm$ 0.857 χ^2 /NDF:1197602.7/22

Left: 4994.480 $\pm$ 0.602 χ^2 /NDF: 2343385.4/47

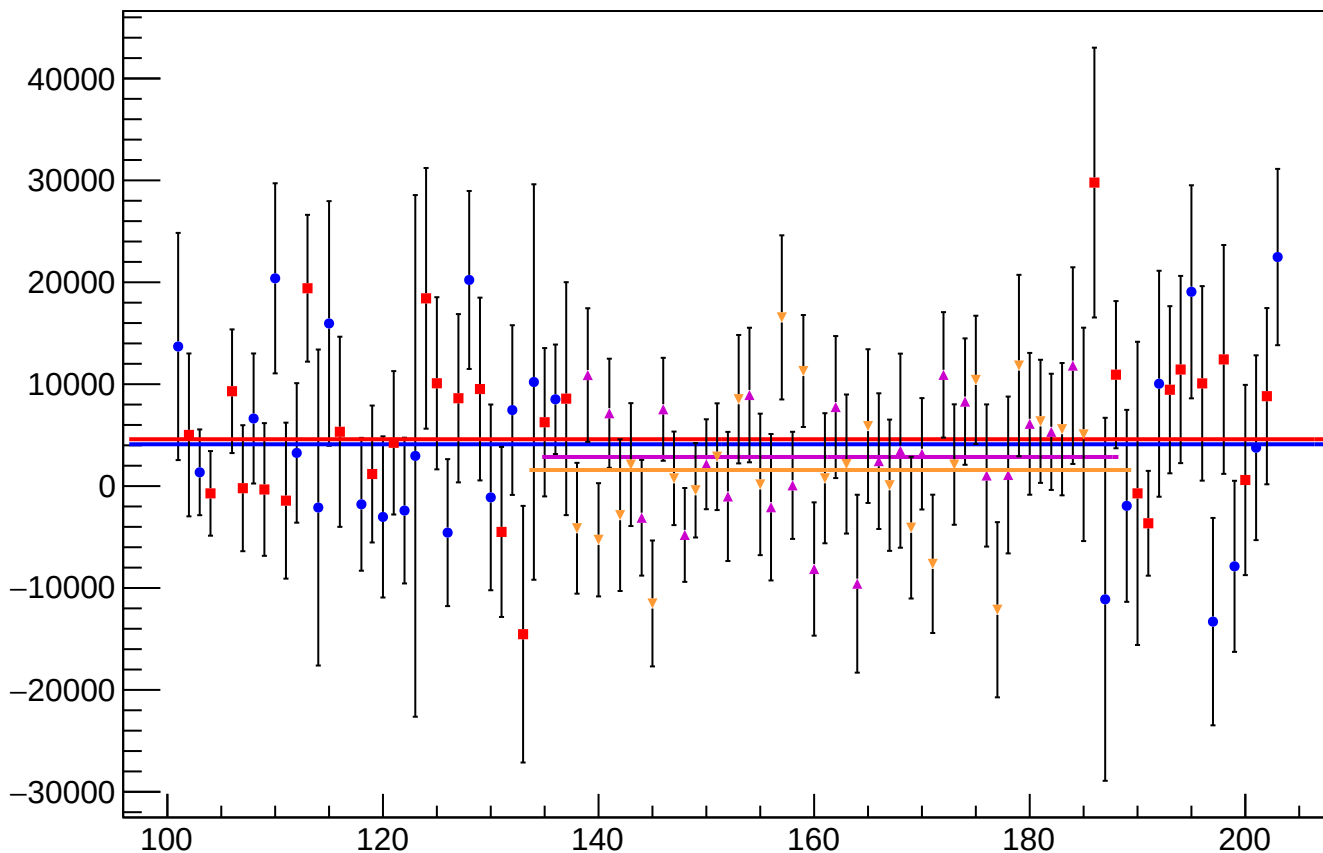
Right: 7.849 $\pm$ 0.011 χ^2 /NDF: 22674048.7/17

In: 5270.353 $\pm$ 0.805 χ^2 /NDF:2383759.1/30

Out: 8.499 $\pm$ 0.011 χ^2 /NDF:48666486.6/34

All: 9.429 $\pm$ 0.011 χ^2 /NDF: 93719661.4/65

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4103.784+/-1642.169 χ^2/NDF : 27.1/24

Left Out: 1580.515+/-1266.098 χ^2/NDF : 25.2/24

Right Out: 4599.623+/-1454.161 χ^2/NDF : 23.6/27

Left In: 2856.480+/-1284.131 χ^2/NDF : 18.1/22

Left: 2209.475+/-901.574 χ^2/NDF : 43.8/47

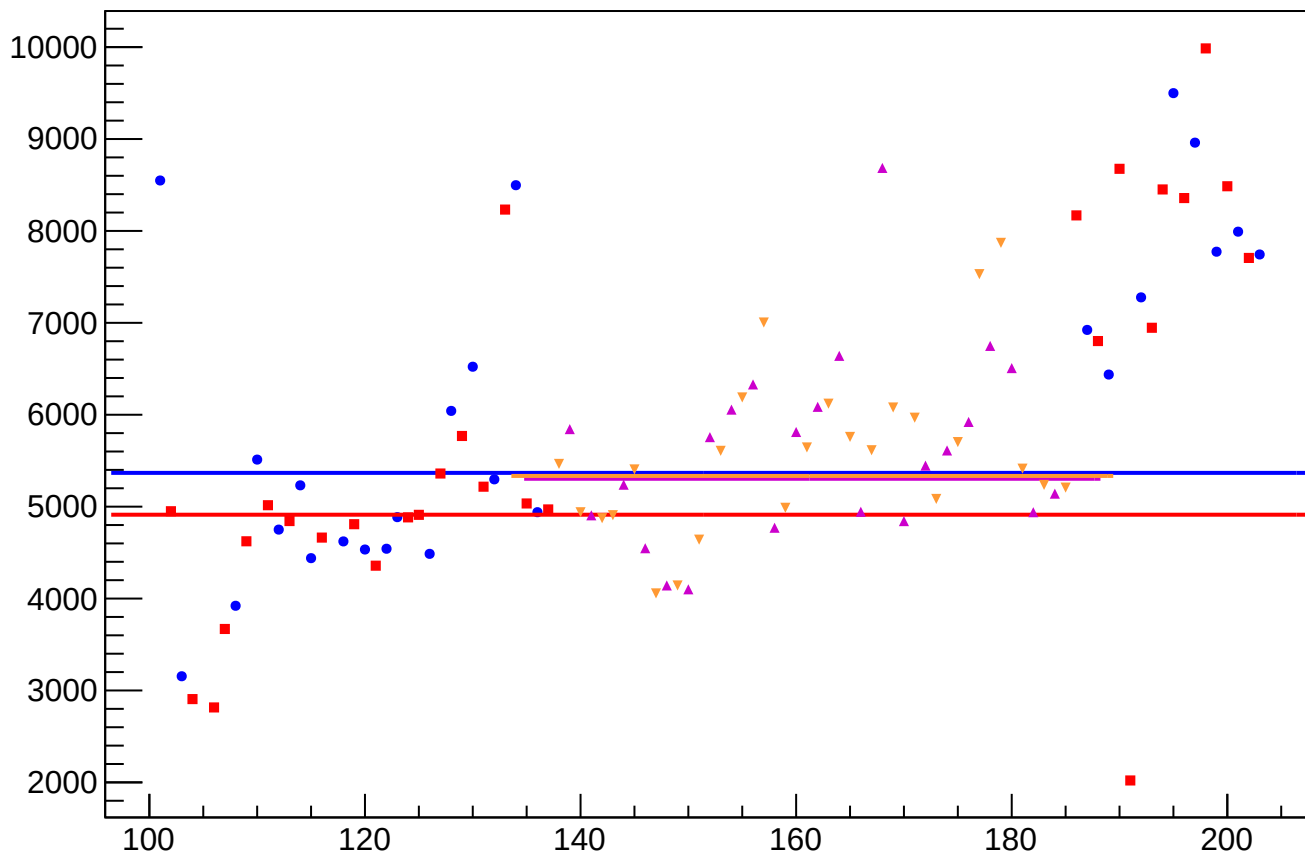
Right: 4381.700+/-1088.677 χ^2/NDF : 50.7/52

In: 3329.773+/-1011.572 χ^2/NDF : 45.5/47

Out: 2882.337+/-954.881 χ^2/NDF : 51.2/52

All: 3093.167+/-694.380 χ^2/NDF : 96.8/100

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5367.532+/-1.161 χ^2/NDF : 2206834.8/24

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

Right Out: 4912.346+/-1.024 χ^2/NDF : 3615441.1/27

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

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

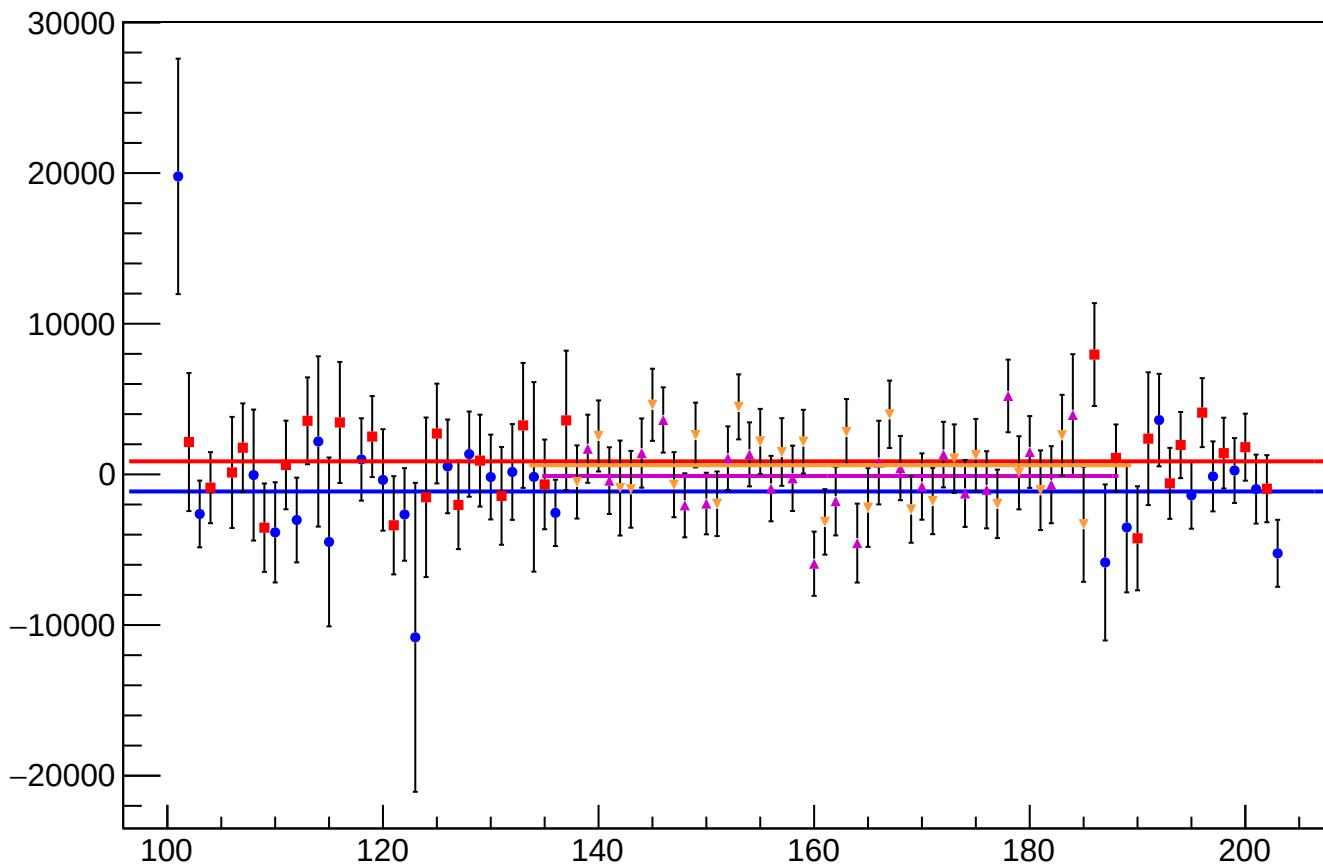
Right: 5111.478+/-0.768 χ^2/NDF : 5908715.7/52

In: 5327.686+/-0.715 χ^2/NDF : 3169088.3/47

Out: 5151.457+/-0.674 χ^2/NDF : 4577054.0/52

All: 5234.339+/-0.491 χ^2/NDF : 7778294.6/100

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1134.014 $\pm$ 600.775 χ^2 /NDF: 20.6/24

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

Right Out: 865.714 $\pm$ 549.325 χ^2 /NDF: 19.5/27

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

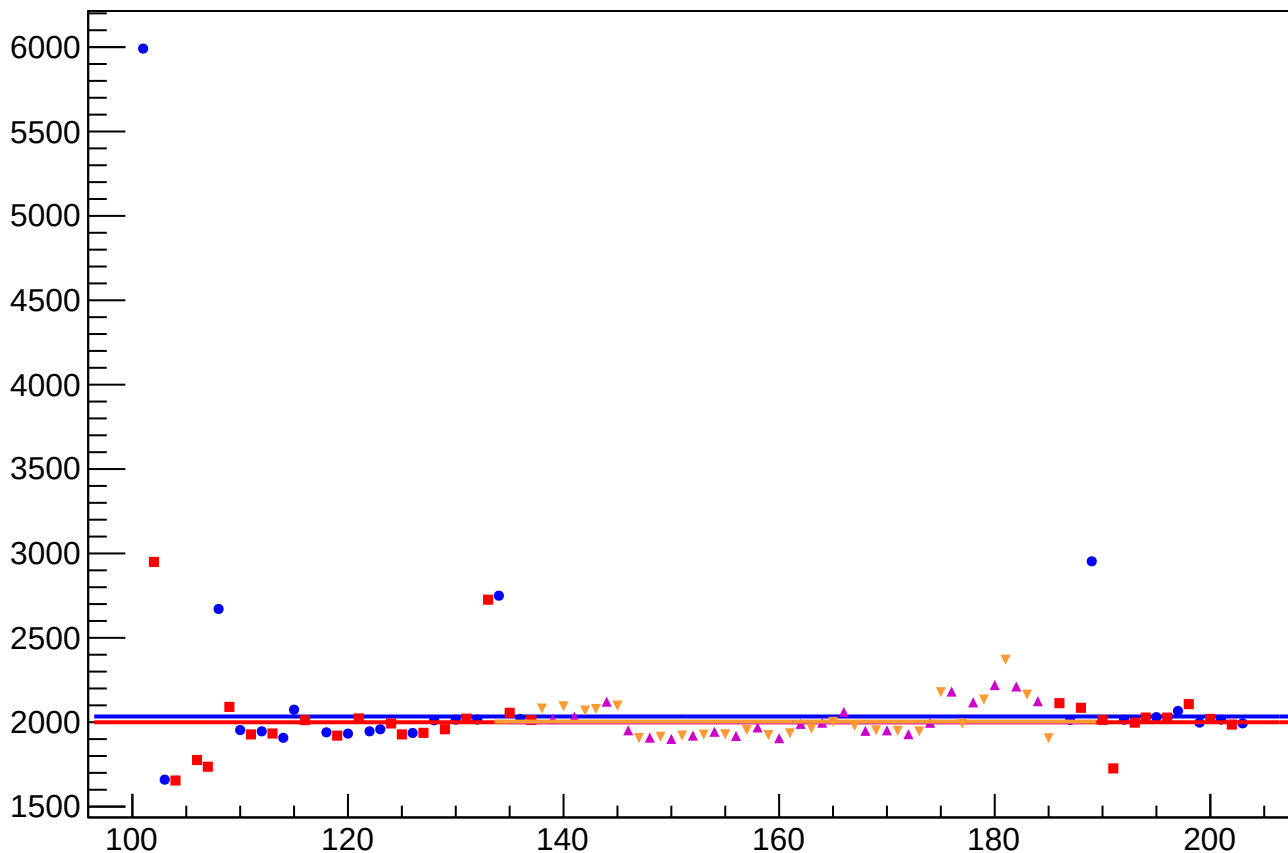
Right: -44.871 $\pm$ 405.403 χ^2 /NDF: 46.1/52

In: -505.850 $\pm$ 374.001 χ^2 /NDF: 47.4/47

Out: 715.487 $\pm$ 356.859 χ^2 /NDF: 44.8/52

All: 133.449 $\pm$ 258.185 χ^2 /NDF: 97.8/100

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2033.936 $\pm$ 0.425 χ^2 /NDF: 744330.9/24

Left Out: 2003.987 $\pm$ 0.332 χ^2 /NDF:99981.7/24

Right Out: 1999.767 $\pm$ 0.388 χ^2 /NDF: 240964.1/27

Left In: 2000.119 $\pm$ 0.338 χ^2 /NDF:79688.8/22

Left: 2002.088 $\pm$ 0.237 χ^2 /NDF: 179737.2/47

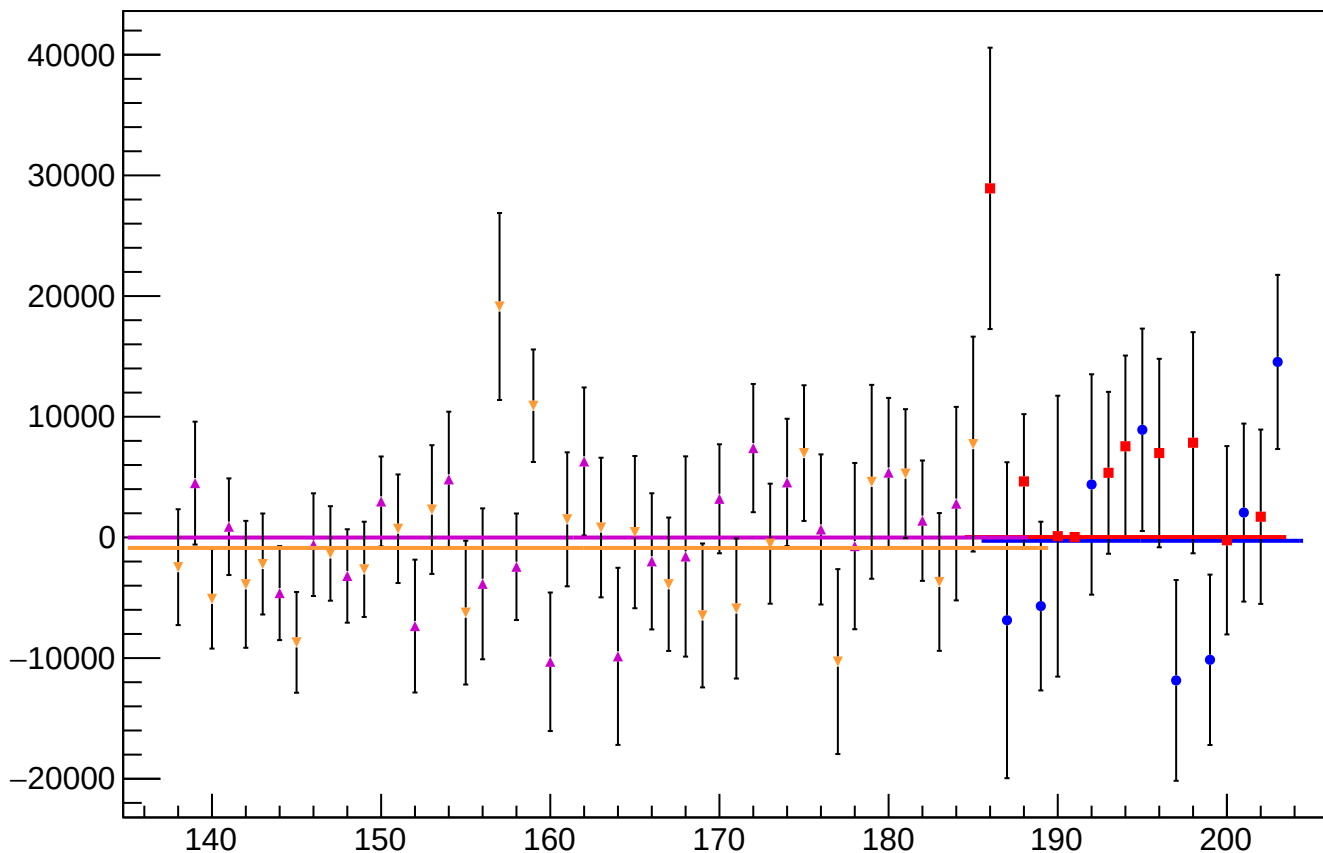
Right: 2015.316 $\pm$ 0.287 χ^2 /NDF: 988820.4/52

In: 2013.225 $\pm$ 0.264 χ^2 /NDF:827900.7/47

Out: 2002.205 $\pm$ 0.252 χ^2 /NDF:341014.2/52

All: 2007.455 $\pm$ 0.183 χ^2 /NDF: 1169823.9/100

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: -279.676 $\pm$ 2833.019 χ^2 /NDF: 10.5/7

Left Out: -871.296 $\pm$ 1043.390 χ^2 /NDF:28.3/24

Right Out: 31.226 $\pm$ 14.261 χ^2 /NDF: 10.0/9

Left In: -10.945 $\pm$ 1070.258 χ^2 /NDF:17.2/22

Left: -452.055 $\pm$ 747.106 χ^2 /NDF: 45.8/47

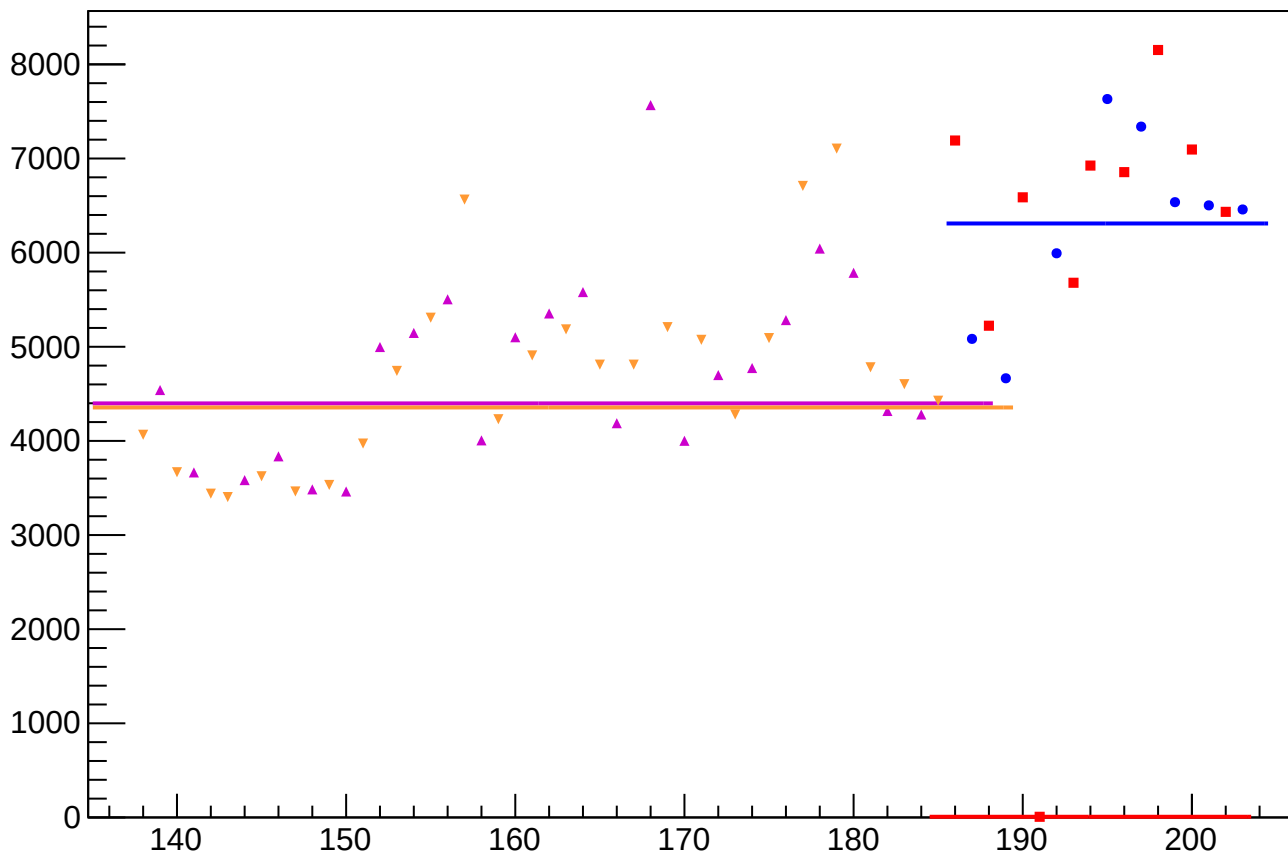
Right: 31.219 $\pm$ 14.260 χ^2 /NDF: 20.6/17

In: -44.508 $\pm$ 1001.196 χ^2 /NDF:27.7/30

Out: 31.058 $\pm$ 14.259 χ^2 /NDF:39.1/34

All: 31.043 $\pm$ 14.258 χ^2 /NDF: 66.8/65

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 6309.756 $\pm$ 2.003 χ^2 /NDF: 215146.3/7

Left Out: 4355.202 $\pm$ 0.738 χ^2 /NDF:1350492.3/24

Right Out: 7.266 $\pm$ 0.010 χ^2 /NDF: 12622933.3/9

Left In: 4398.421 $\pm$ 0.757 χ^2 /NDF:1278784.1/22

Left: 4376.262 $\pm$ 0.528 χ^2 /NDF: 2630948.5/47

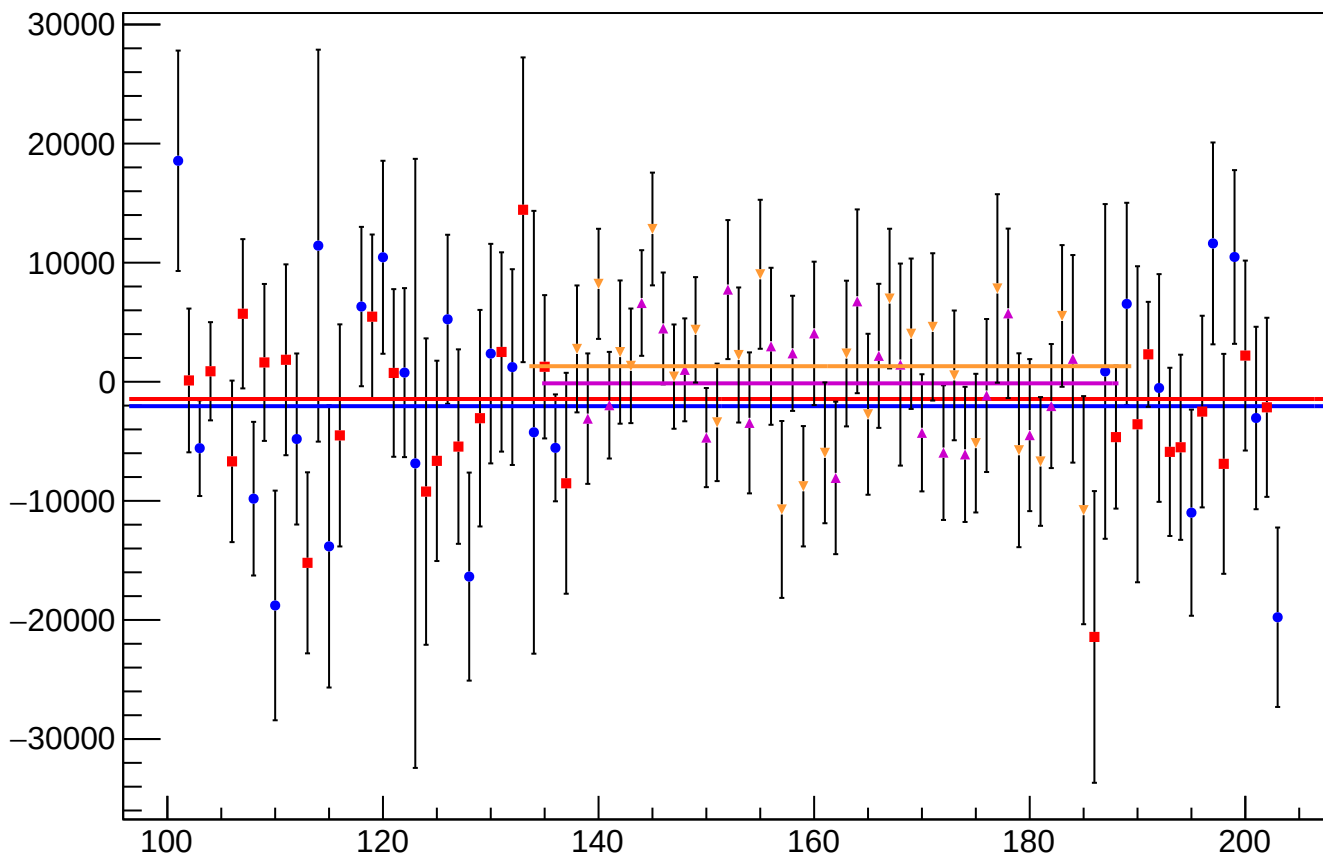
Right: 7.425 $\pm$ 0.010 χ^2 /NDF: 22736009.6/17

In: 4637.134 $\pm$ 0.708 χ^2 /NDF:2290577.1/30

Out: 8.078 $\pm$ 0.010 χ^2 /NDF:48696796.1/34

All: 9.017 $\pm$ 0.010 χ^2 /NDF: 93732699.4/65

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2048.911+/-1542.705 χ^2/NDF : 34.1/24

Left Out: 1306.805+/-1131.617 χ^2/NDF : 28.1/24

Right Out: -1446.501+/-1363.668 χ^2/NDF : 15.7/27

Left In: -131.428+/-1157.282 χ^2/NDF : 14.9/22

Left: 603.813+/-809.096 χ^2/NDF : 43.8/47

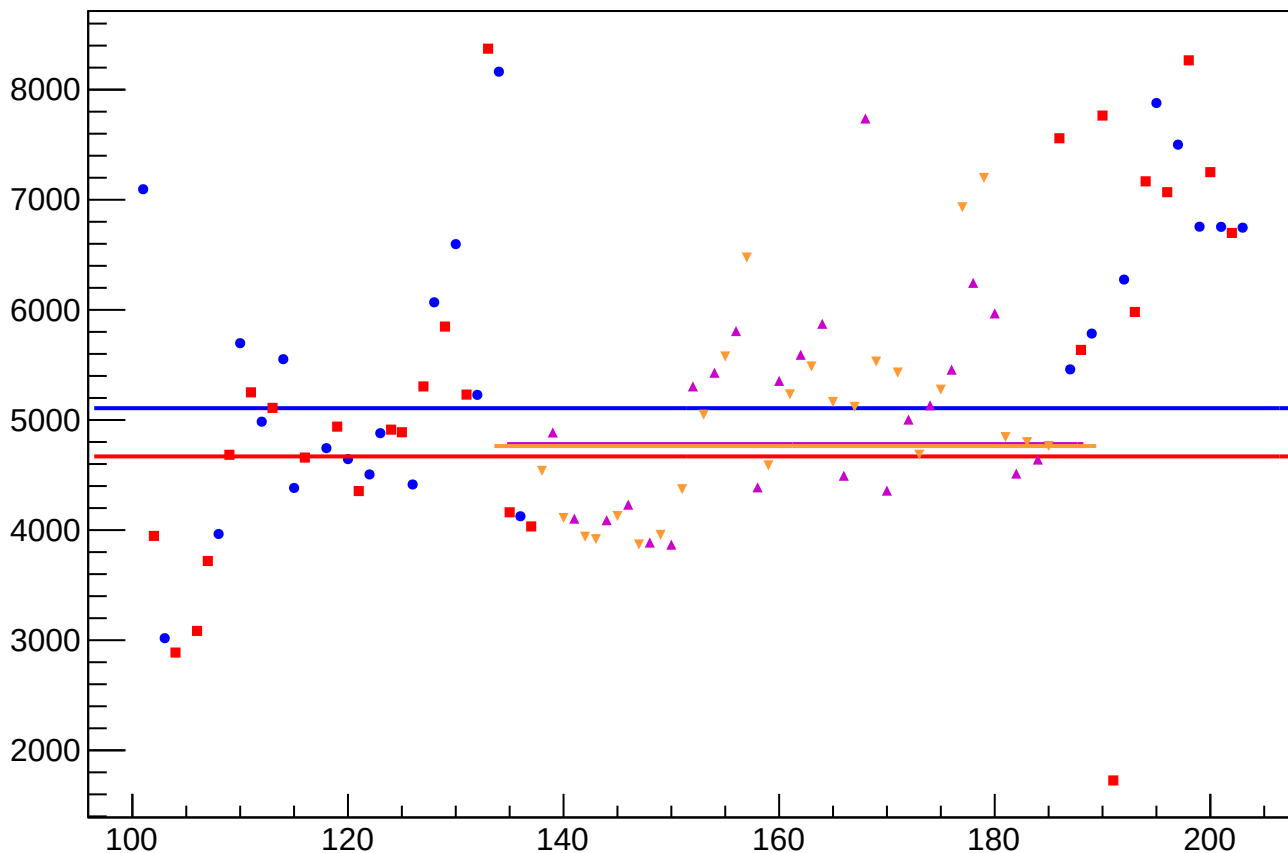
Right: -1710.737+/-1021.722 χ^2/NDF : 49.9/52

In: -821.915+/-925.753 χ^2/NDF : 50.0/47

Out: 184.002+/-870.830 χ^2/NDF : 46.2/52

All: -288.234+/-634.298 χ^2/NDF : 96.8/100

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5107.236 $\pm$ 1.091 χ^2 /NDF: 1682280.3/24

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

Right Out: 4669.083 $\pm$ 0.961 χ^2 /NDF: 3125189.3/27

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

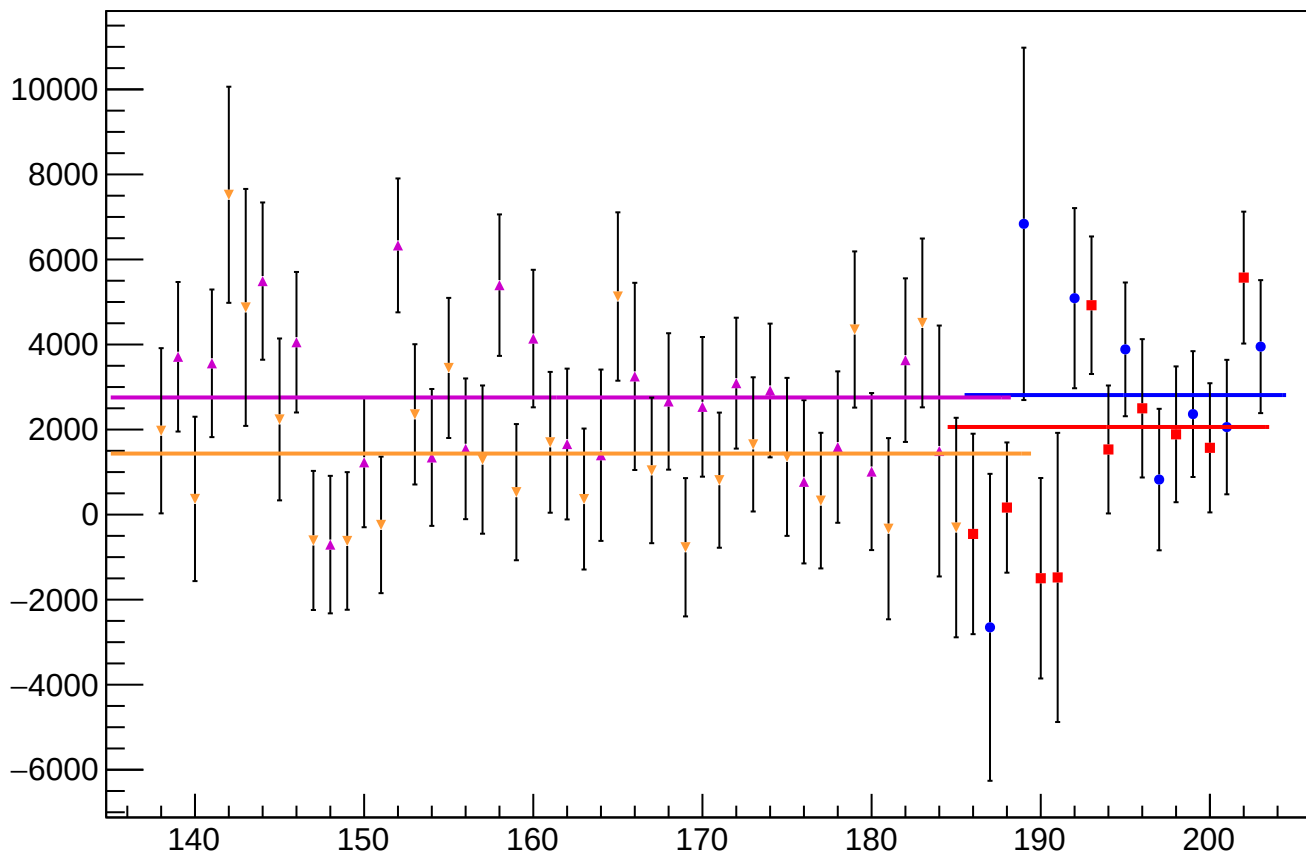
Right: 4860.488 $\pm$ 0.721 χ^2 /NDF: 4898323.2/52

In: 4898.588 $\pm$ 0.655 χ^2 /NDF: 2690994.2/47

Out: 4724.648 $\pm$ 0.615 χ^2 /NDF: 4072710.9/52

All: 4806.177 $\pm$ 0.448 χ^2 /NDF: 6801216.5/100

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2811.403 $\pm$ 646.974 χ^2 /NDF: 7.1/7

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

Right Out: 2060.664 $\pm$ 549.154 χ^2 /NDF: 14.6/9

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

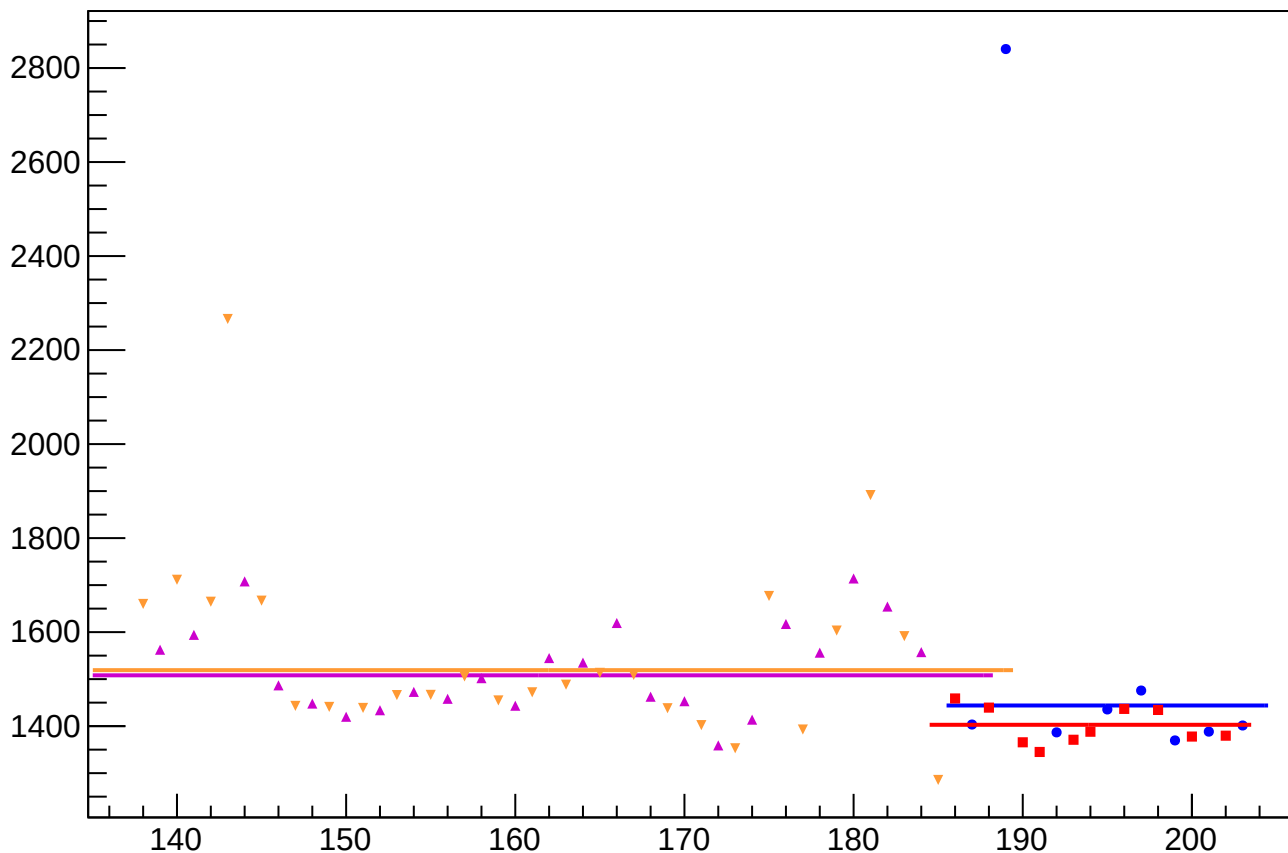
Right: 2375.046 $\pm$ 418.669 χ^2 /NDF: 22.5/17

In: 2768.345 $\pm$ 315.692 χ^2 /NDF:29.5/30

Out: 1622.082 $\pm$ 300.005 χ^2 /NDF:42.3/34

All: 2166.027 $\pm$ 217.470 χ^2 /NDF: 78.7/65

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1443.926 $\pm$ 0.457 χ^2 /NDF: 238675.6/7

Left Out: 1519.092 $\pm$ 0.253 χ^2 /NDF:365839.2/24

Right Out: 1402.857 $\pm$ 0.388 χ^2 /NDF: 6947.2/9

Left In: 1508.111 $\pm$ 0.256 χ^2 /NDF:131488.7/22

Left: 1513.655 $\pm$ 0.180 χ^2 /NDF: 498258.6/47

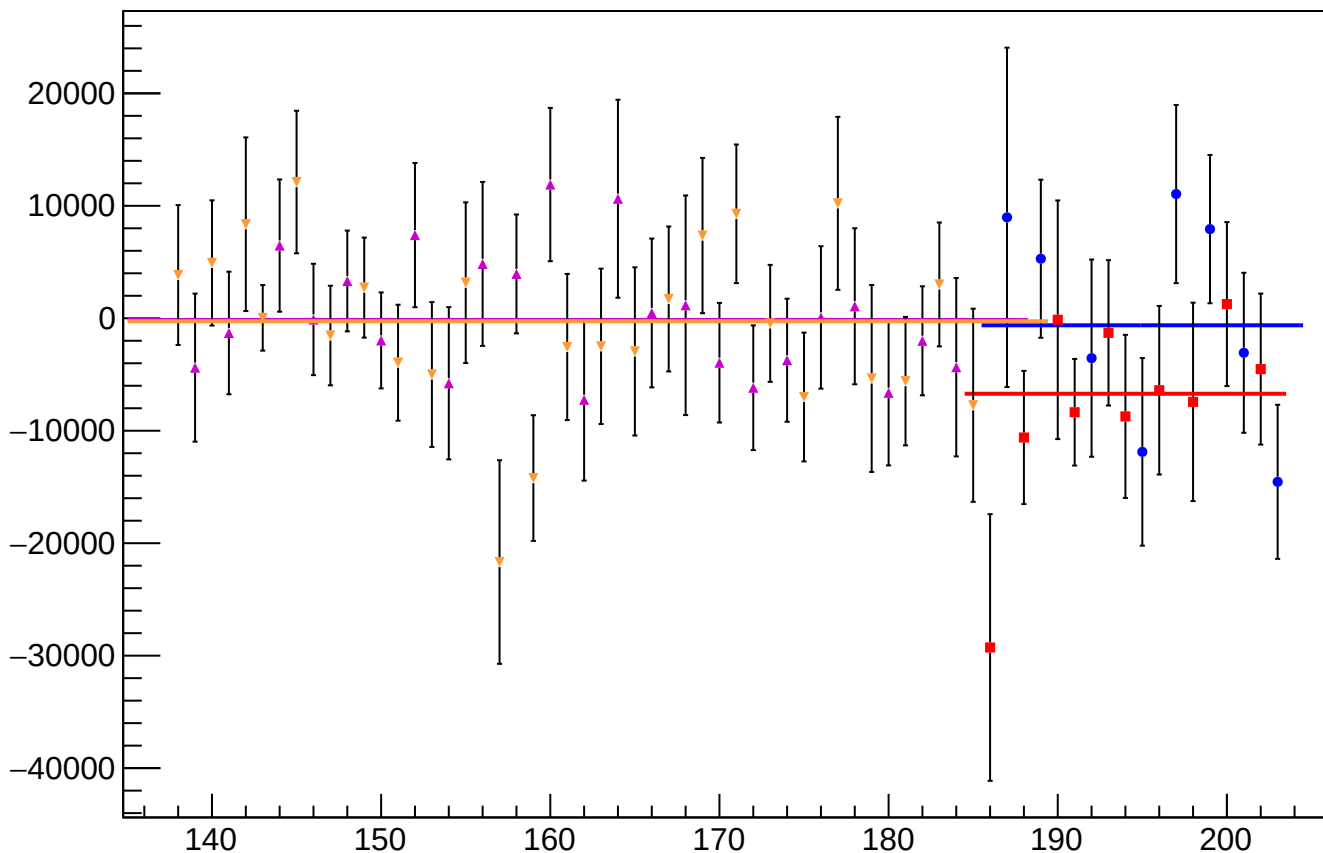
Right: 1420.055 $\pm$ 0.296 χ^2 /NDF: 250307.0/17

In: 1492.829 $\pm$ 0.223 χ^2 /NDF:385162.2/30

Out: 1484.402 $\pm$ 0.212 χ^2 /NDF:435646.8/34

All: 1488.401 $\pm$ 0.154 χ^2 /NDF: 821557.9/65

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: -623.640 $\pm$ 2752.190 χ^2 /NDF: 11.1/7

Left Out: -264.324 $\pm$ 1151.119 χ^2 /NDF:29.7/24

Right Out: -6710.497 $\pm$ 2216.138 χ^2 /NDF: 6.7/9

Left In: -151.239 $\pm$ 1241.800 χ^2 /NDF:14.9/22

Left: -212.060 $\pm$ 844.204 χ^2 /NDF: 44.6/47

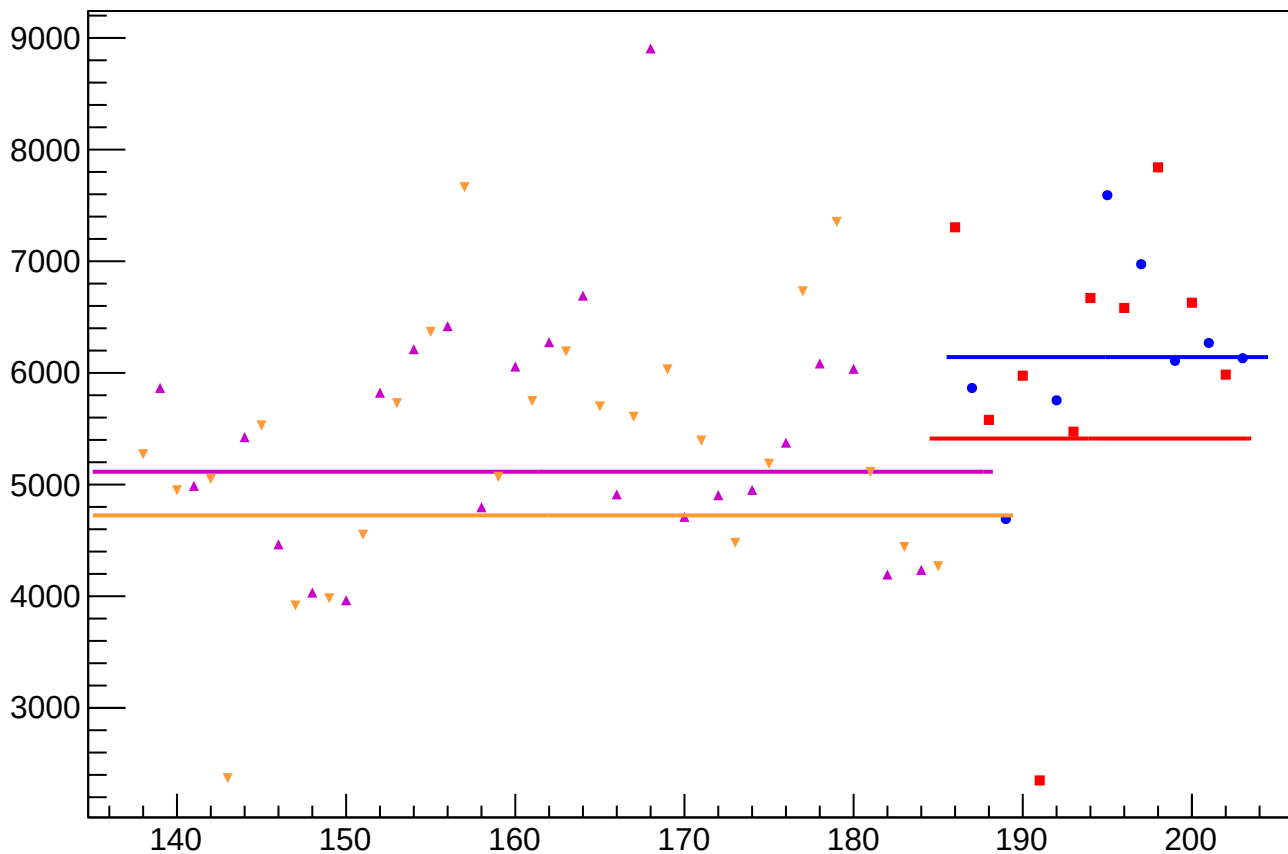
Right: -4316.245 $\pm$ 1726.103 χ^2 /NDF: 20.8/17

In: -231.145 $\pm$ 1131.913 χ^2 /NDF:26.0/30

Out: -1633.982 $\pm$ 1021.532 χ^2 /NDF:43.0/34

All: -1004.282 $\pm$ 758.362 χ^2 /NDF: 69.9/65

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 6141.863 $\pm$ 1.946 χ^2 /NDF: 172917.2/7

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

Right Out: 5412.341 $\pm$ 1.567 χ^2 /NDF: 1223282.1/9

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

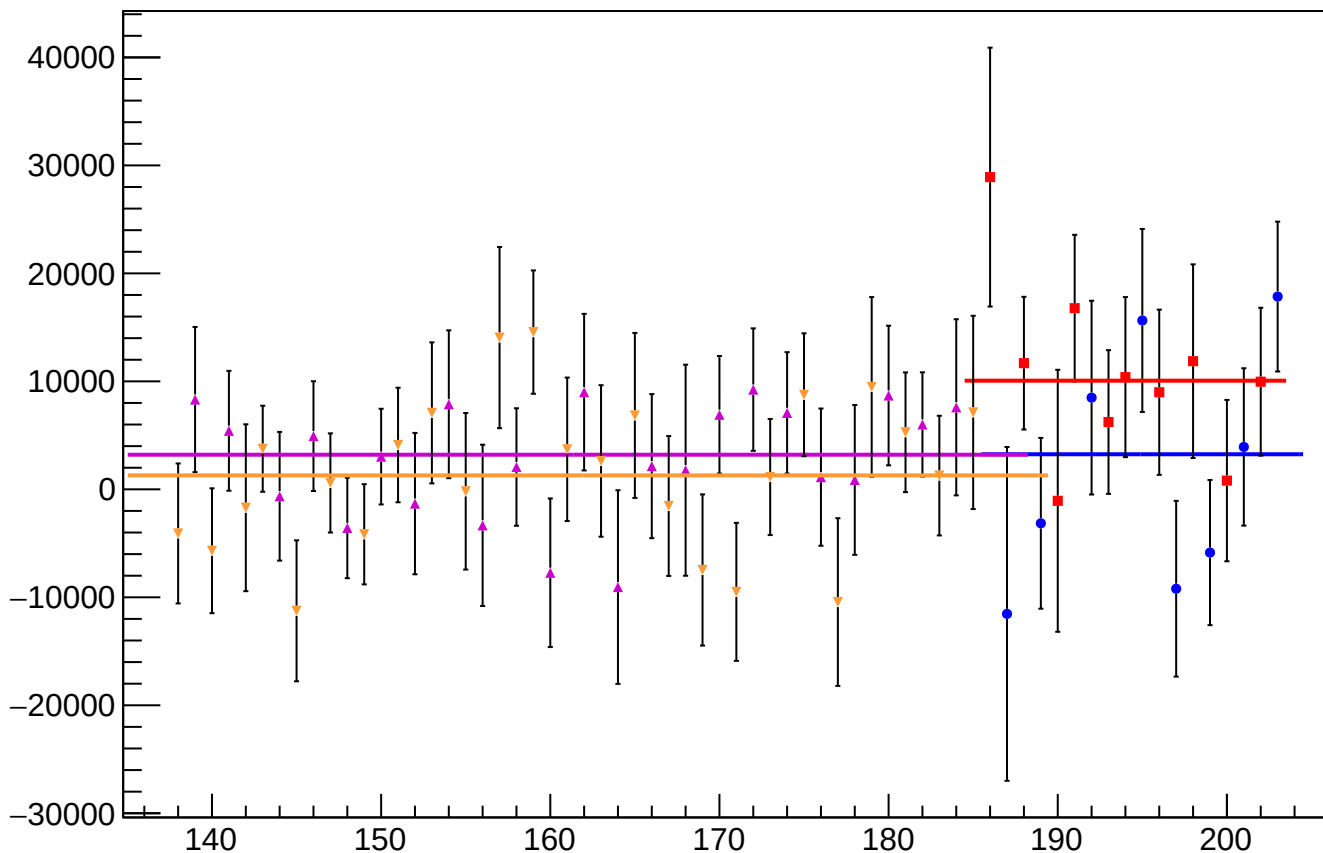
Right: 5699.297 $\pm$ 1.221 χ^2 /NDF: 1481448.3/17

In: 5288.809 $\pm$ 0.800 χ^2 /NDF: 1535525.8/30

Out: 4870.277 $\pm$ 0.722 χ^2 /NDF: 3912754.7/34

All: 5058.146 $\pm$ 0.536 χ^2 /NDF: 5598978.8/65

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 3248.142 $\pm$ 2847.015 χ^2 /NDF: 12.7/7

Left Out: 1292.246 $\pm$ 1215.761 χ^2 /NDF: 27.8/24

Right Out: 10062.494 $\pm$ 2415.116 χ^2 /NDF: 6.3/9

Left In: 3205.363 $\pm$ 1265.586 χ^2 /NDF: 13.9/22

Left: 2210.405 $\pm$ 876.758 χ^2 /NDF: 42.9/47

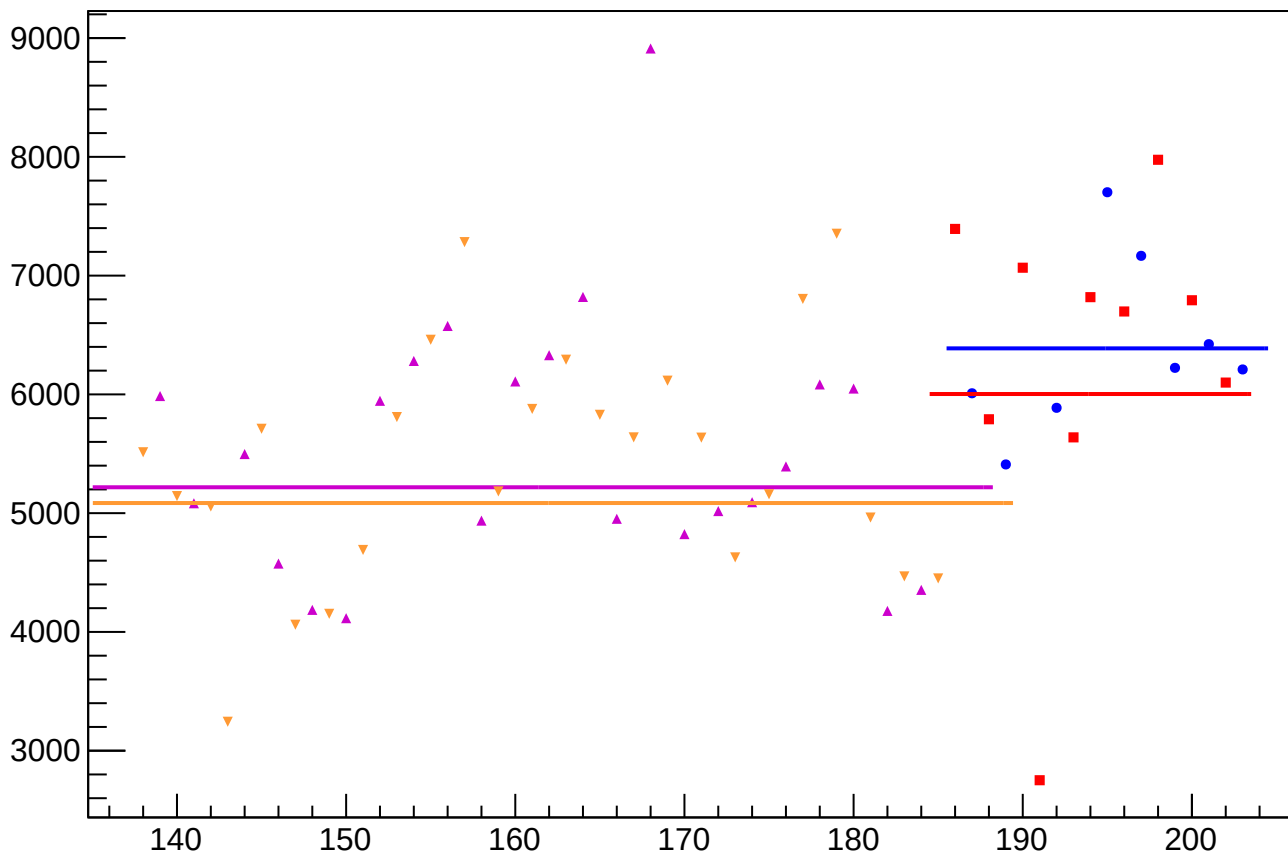
Right: 7210.876 $\pm$ 1841.718 χ^2 /NDF: 22.3/17

In: 3212.422 $\pm$ 1156.470 χ^2 /NDF: 26.5/30

Out: 3065.373 $\pm$ 1085.931 χ^2 /NDF: 44.6/34

All: 3134.276 $\pm$ 791.632 χ^2 /NDF: 71.2/65

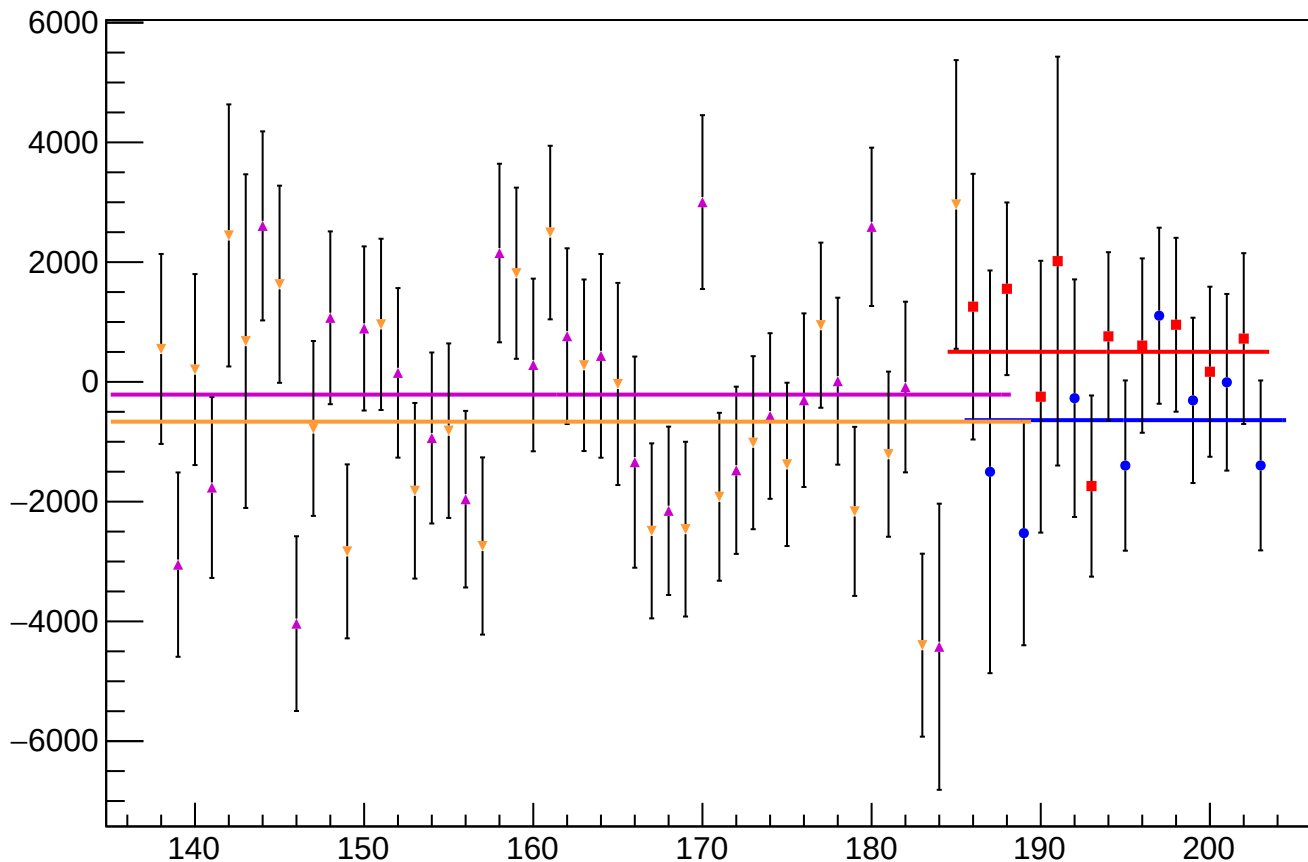
asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 6387.504+/-2.013 χ^2/NDF : 106965.2/7
 Left Out: 5085.307+/-0.860 χ^2/NDF :1356698.4/24
 Right Out: 6003.180+/-1.708 χ^2/NDF : 669109.1/9
 Left In: 5217.971+/-0.895 χ^2/NDF :1058996.1/22

Left: 5148.976+/-0.620 χ^2/NDF : 2427123.8/47
 Right: 6164.009+/-1.302 χ^2/NDF : 797268.5/17
 In: 5410.947+/-0.818 χ^2/NDF :1447774.2/30
 Out: 5270.879+/-0.768 χ^2/NDF :2256284.8/34
 All: 5336.511+/-0.560 χ^2/NDF : 3719650.3/65

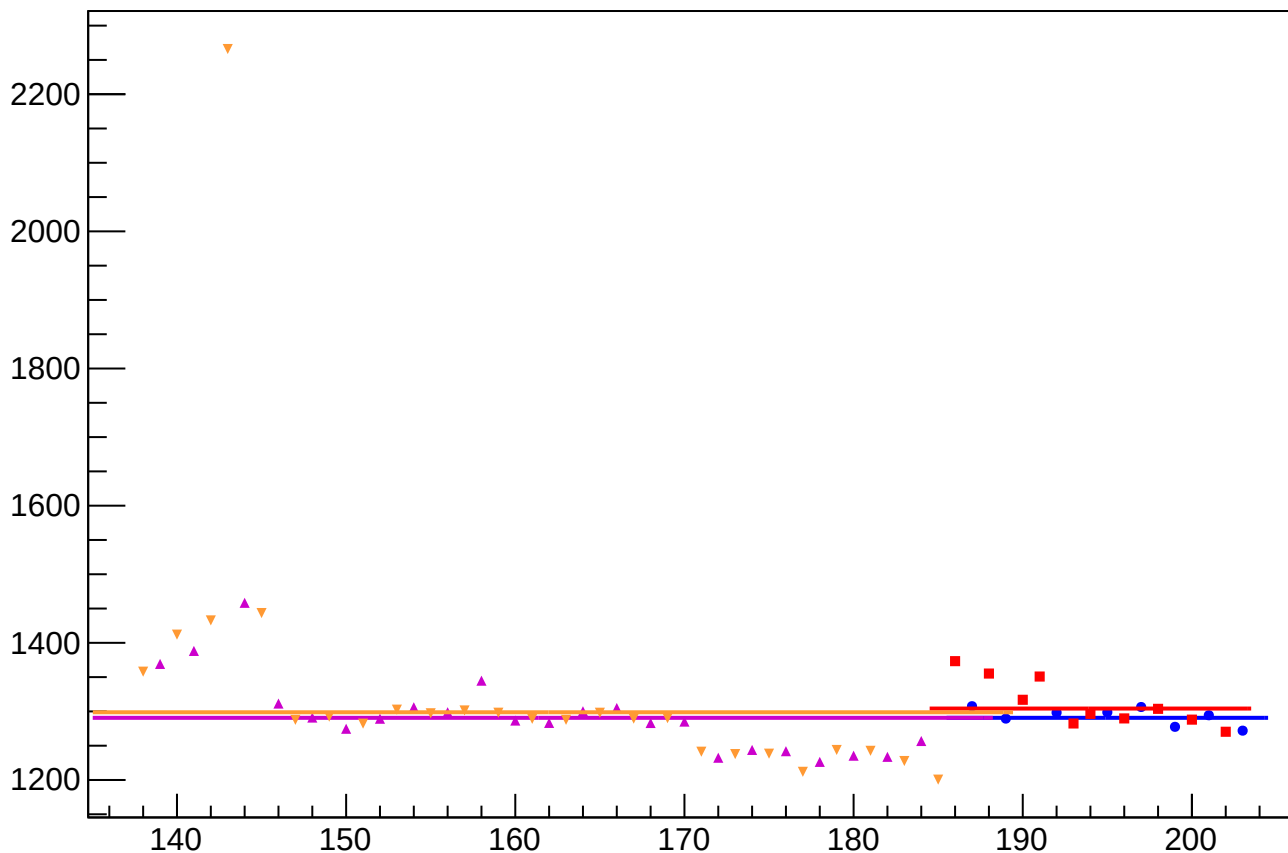
dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -639.249 ± 571.100 $\chi^2/\text{NDF}: 3.3/7$
 Left Out: -664.362 ± 305.119 $\chi^2/\text{NDF}: 34.6/24$
 Right Out: 502.809 ± 510.295 $\chi^2/\text{NDF}: 3.4/9$
 Left In: -212.071 ± 308.597 $\chi^2/\text{NDF}: 36.6/22$

Left: -440.780 ± 216.971 $\chi^2/\text{NDF}: 72.3/47$
 Right: -4.206 ± 380.521 $\chi^2/\text{NDF}: 8.9/17$
 In: -308.612 ± 271.496 $\chi^2/\text{NDF}: 40.4/30$
 Out: -356.975 ± 261.877 $\chi^2/\text{NDF}: 41.8/34$
 All: -333.665 ± 188.484 $\chi^2/\text{NDF}: 82.3/65$

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1290.645+/-0.404 χ^2/NDF : 918.6/7

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

Right Out: 1304.176+/-0.361 χ^2/NDF : 6938.5/9

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

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

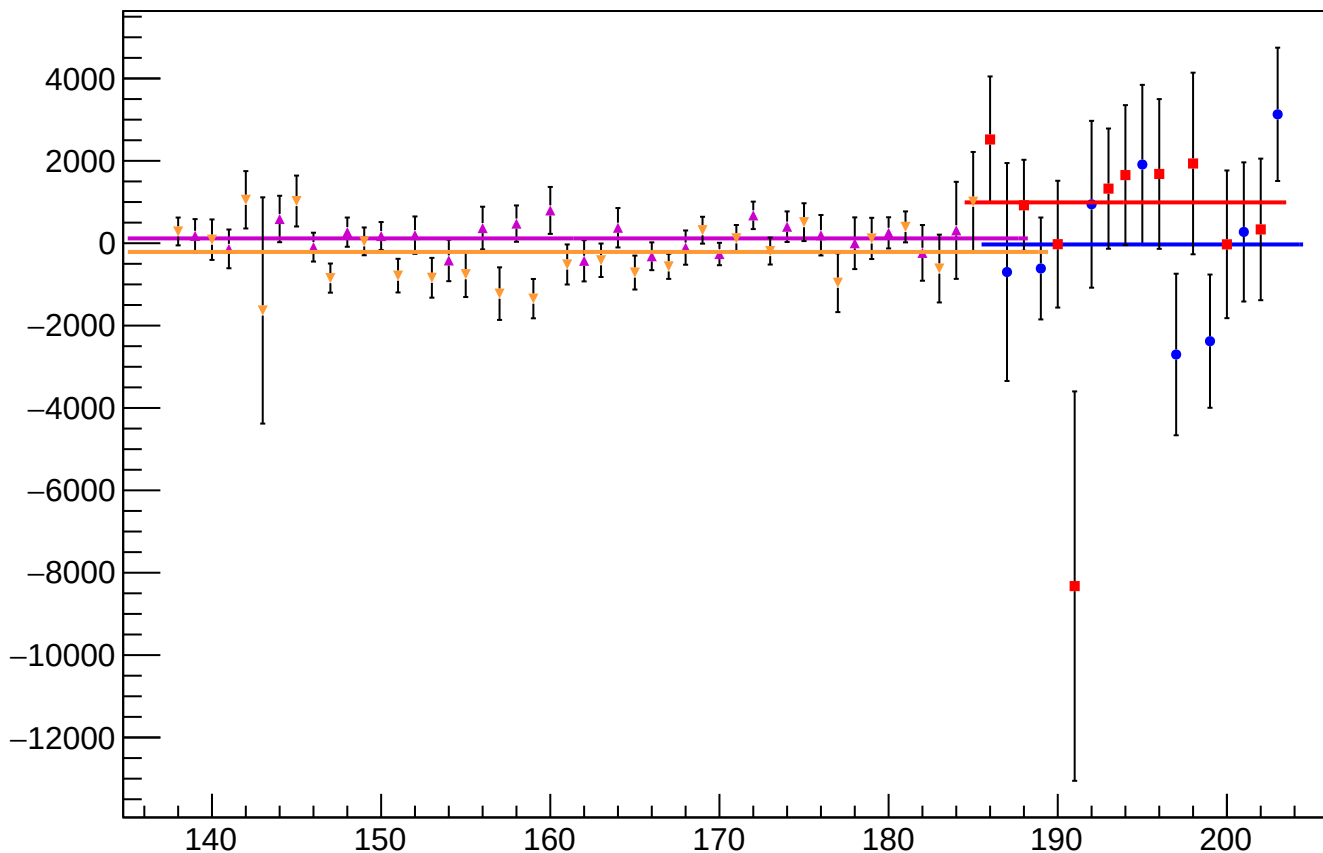
Right: 1298.169+/-0.269 χ^2/NDF : 8481.3/17

In: 1290.645+/-0.192 χ^2/NDF : 60346.4/30

Out: 1300.174+/-0.185 χ^2/NDF : 317450.2/34

All: 1295.581+/-0.133 χ^2/NDF : 379073.0/65

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: -29.993 $\pm$ 610.649 χ^2 /NDF: 9.3/7

Left Out: -211.646 $\pm$ 87.670 χ^2 /NDF:41.7/24

Right Out: 991.285 $\pm$ 520.766 χ^2 /NDF: 6.3/9

Left In: 117.113 $\pm$ 88.214 χ^2 /NDF:14.3/22

Left: -48.284 $\pm$ 62.183 χ^2 /NDF: 63.0/47

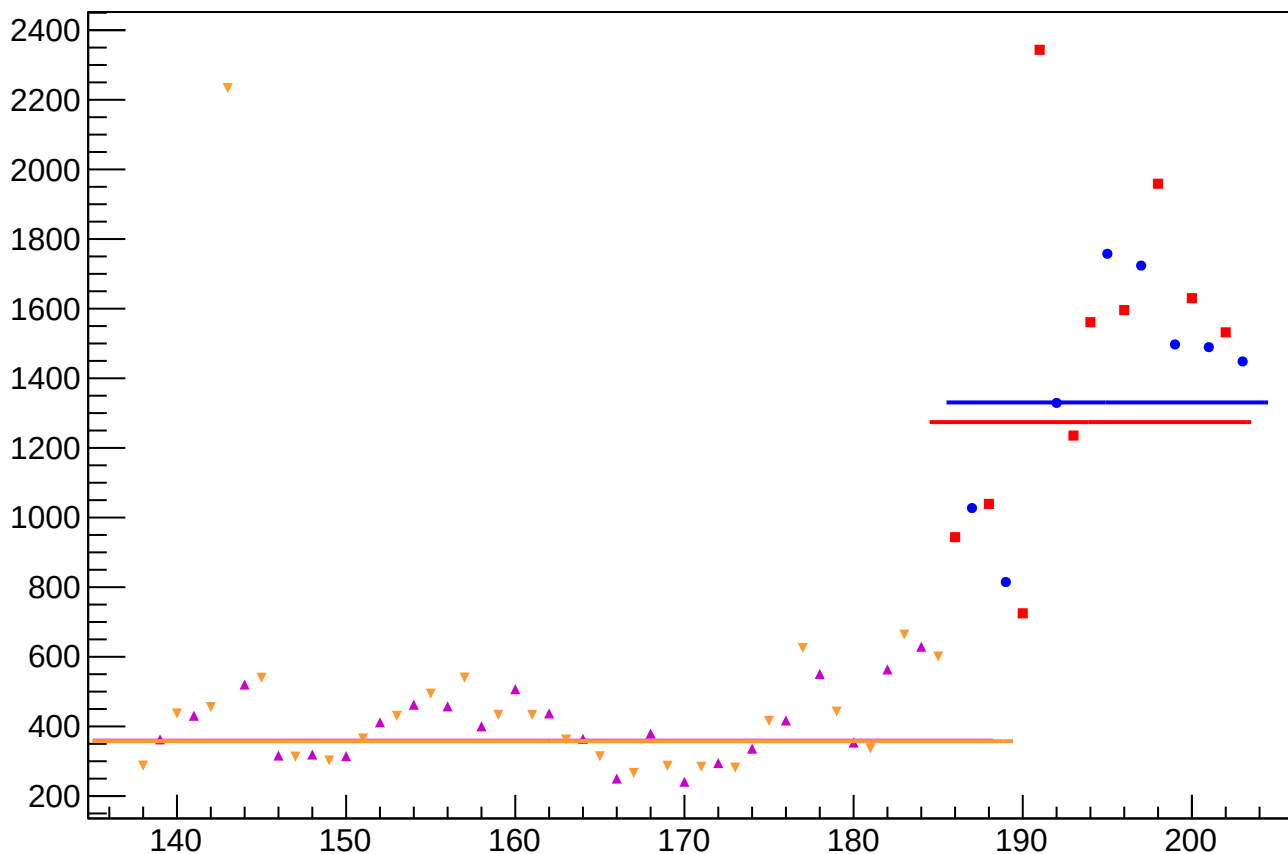
Right: 561.271 $\pm$ 396.243 χ^2 /NDF: 17.3/17

In: 114.106 $\pm$ 87.308 χ^2 /NDF:23.7/30

Out: -178.493 $\pm$ 86.453 χ^2 /NDF:53.2/34

All: -33.633 $\pm$ 61.432 χ^2 /NDF: 82.6/65

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 1330.637+/-0.432 χ^2/NDF : 601349.2/7

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

Right Out: 1274.116+/-0.368 χ^2/NDF : 978823.5/9

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

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

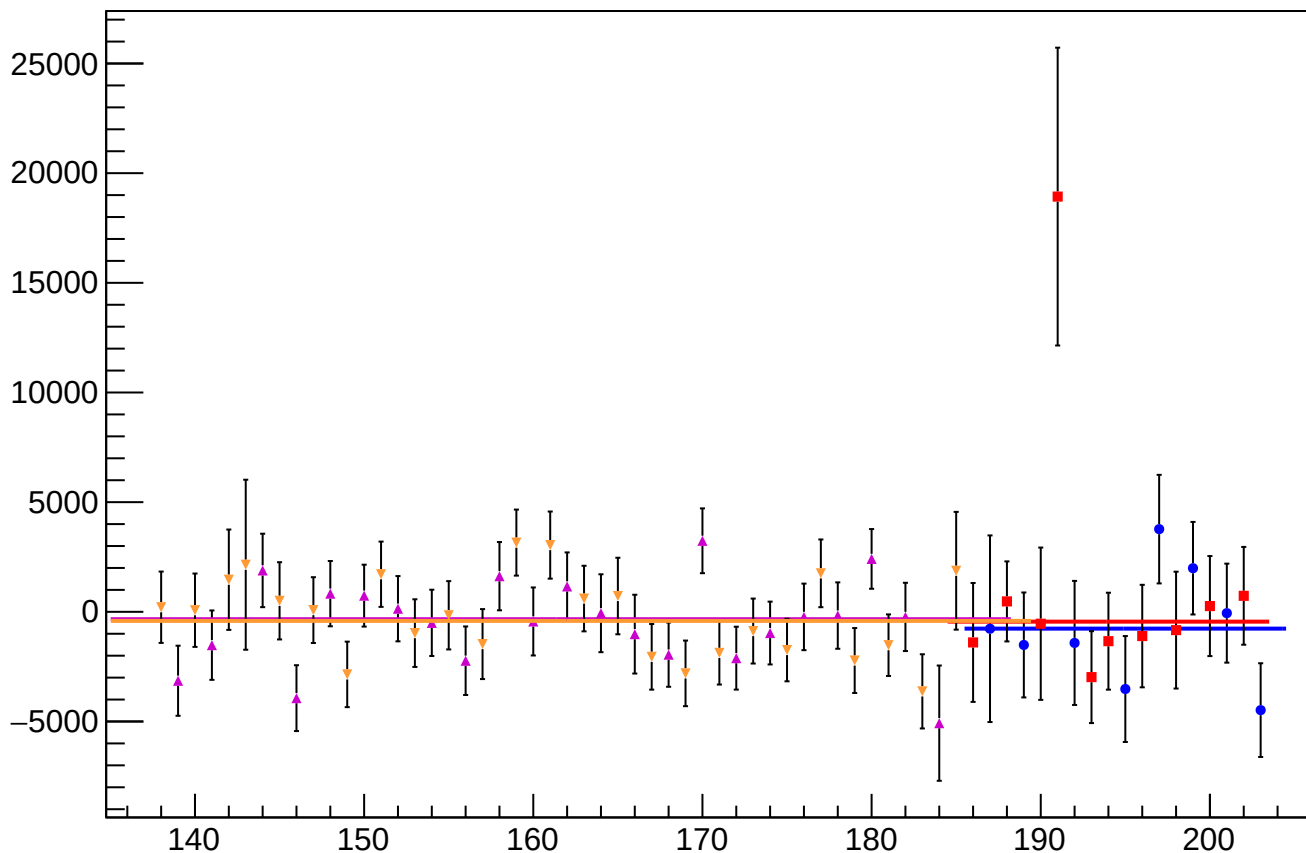
Right: 1297.914+/-0.280 χ^2/NDF : 1590092.6/17

In: 378.862+/-0.062 χ^2/NDF : 7420229.3/30

Out: 383.004+/-0.061 χ^2/NDF : 10042951.9/34

All: 380.954+/-0.043 χ^2/NDF : 17465453.8/65

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -766.370+/-867.202 χ^2/NDF : 9.6/7

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

Right Out: -447.600+/-768.946 χ^2/NDF : 10.6/9

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

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

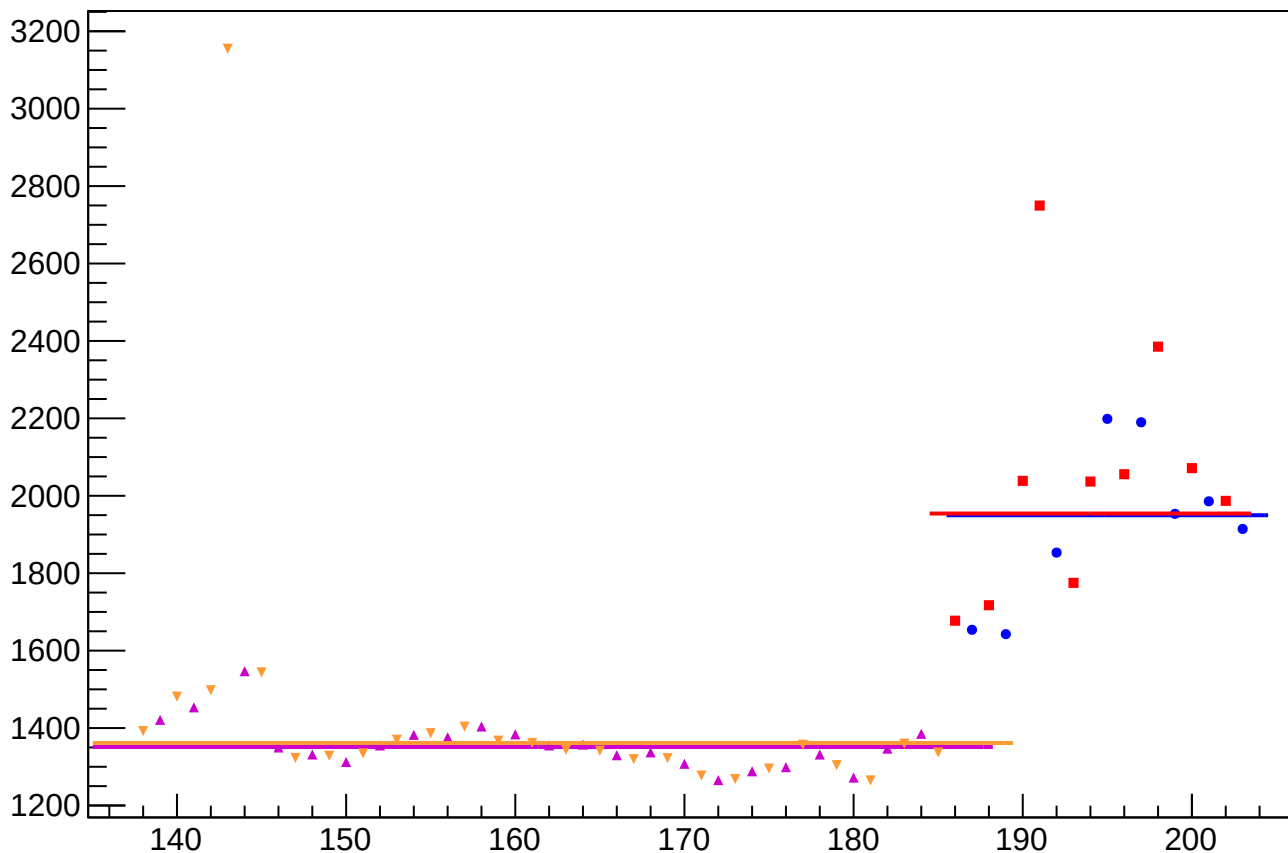
Right: -587.911+/-575.343 χ^2/NDF : 20.3/17

In: -389.485+/-302.705 χ^2/NDF : 42.6/30

Out: -418.473+/-295.971 χ^2/NDF : 43.4/34

All: -404.305+/-211.624 χ^2/NDF : 86.1/65

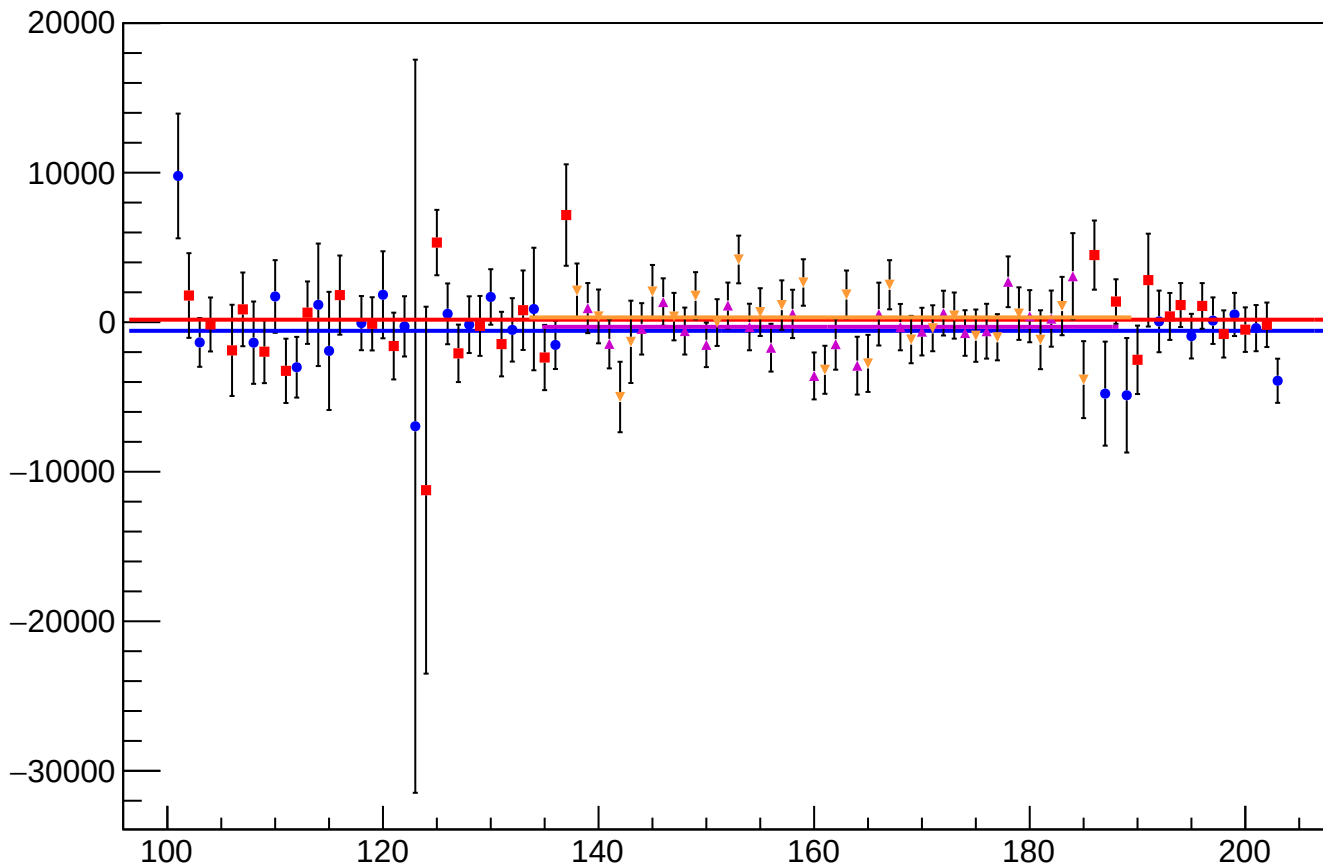
asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1949.725 $\pm$ 0.613 χ^2 /NDF: 86124.3/7
 Left Out: 1361.511 $\pm$ 0.227 χ^2 /NDF: 507869.8/24
 Right Out: 1954.169 $\pm$ 0.544 χ^2 /NDF: 162500.5/9
 Left In: 1351.012 $\pm$ 0.228 χ^2 /NDF: 68978.1/22

Left: 1356.300 $\pm$ 0.161 χ^2 /NDF: 577911.7/47
 Right: 1952.213 $\pm$ 0.407 χ^2 /NDF: 248654.2/17
 In: 1423.961 $\pm$ 0.214 χ^2 /NDF: 992242.6/30
 Out: 1449.314 $\pm$ 0.209 χ^2 /NDF: 1682438.6/34
 All: 1436.923 $\pm$ 0.150 χ^2 /NDF: 2681853.6/65

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -576.030 $\pm$ 413.181 χ^2 /NDF: 21.1/24

Left Out: 320.058 $\pm$ 344.642 χ^2 /NDF:32.4/24

Right Out: 167.662 $\pm$ 379.125 χ^2 /NDF: 27.3/27

Left In: -310.833 $\pm$ 348.292 χ^2 /NDF:16.8/22

Left: 7.936 $\pm$ 244.979 χ^2 /NDF: 50.9/47

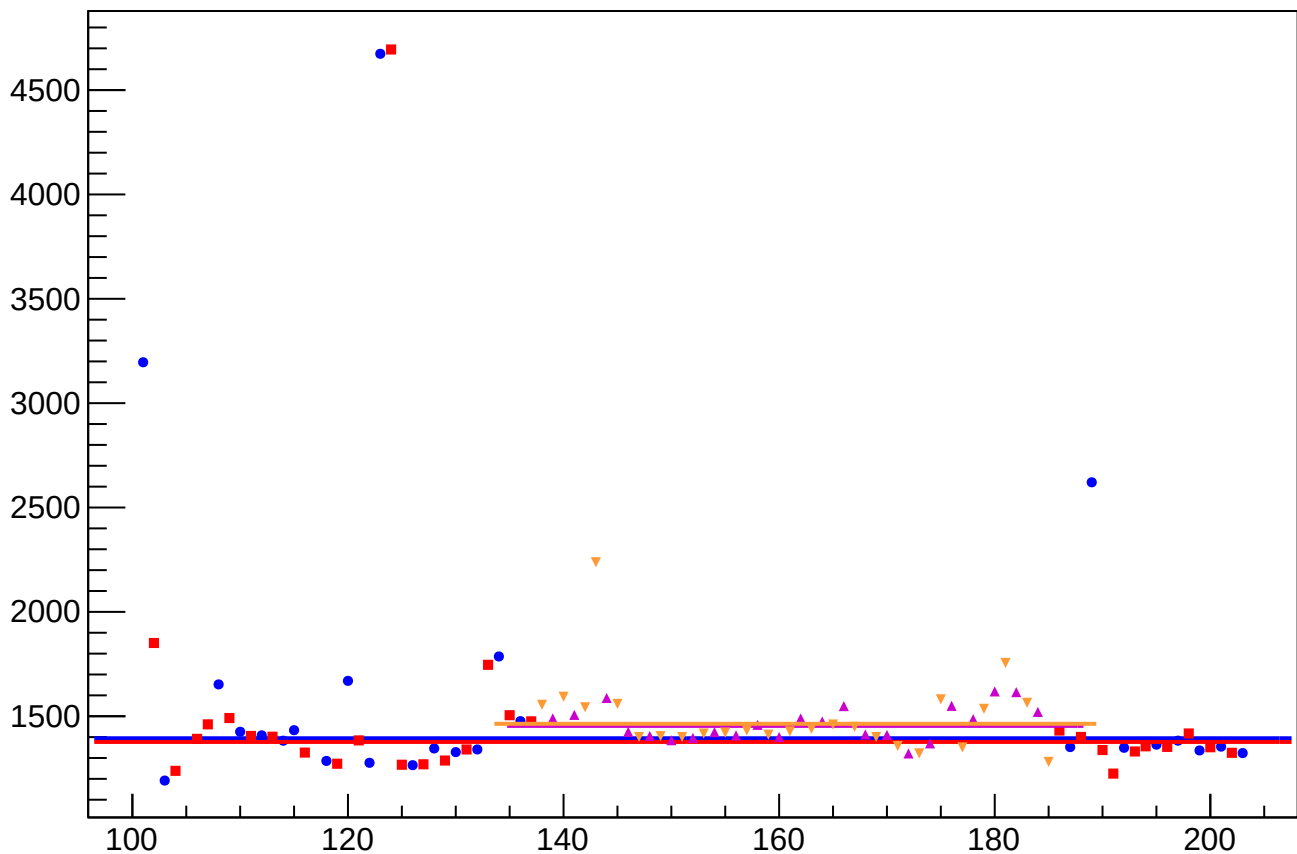
Right: -172.277 $\pm$ 279.347 χ^2 /NDF: 50.1/52

In: -420.995 $\pm$ 266.301 χ^2 /NDF:38.1/47

Out: 251.104 $\pm$ 255.020 χ^2 /NDF:59.8/52

All: -70.408 $\pm$ 184.186 χ^2 /NDF: 101.3/100

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1394.507 $\pm$ 0.292 χ^2 /NDF: 743508.7/24

Left Out: 1463.714 $\pm$ 0.244 χ^2 /NDF: 310491.4/24

Right Out: 1376.859 $\pm$ 0.268 χ^2 /NDF: 307603.5/27

Left In: 1453.763 $\pm$ 0.246 χ^2 /NDF: 99224.2/22

Left: 1458.791 $\pm$ 0.173 χ^2 /NDF: 410540.5/47

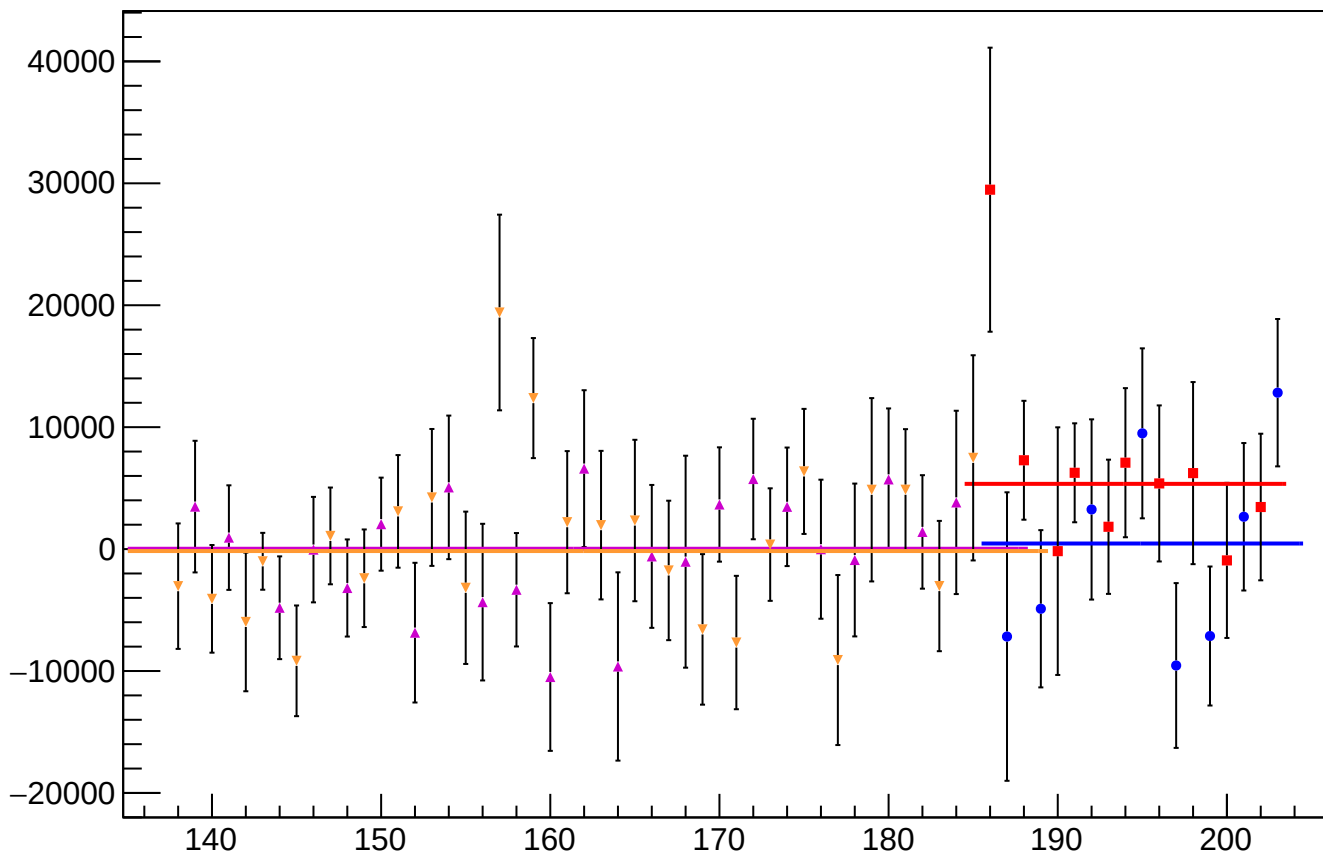
Right: 1384.923 $\pm$ 0.197 χ^2 /NDF: 1053093.7/52

In: 1429.148 $\pm$ 0.188 χ^2 /NDF: 866780.4/47

Out: 1424.403 $\pm$ 0.180 χ^2 /NDF: 675586.4/52

All: 1426.672 $\pm$ 0.130 χ^2 /NDF: 1542698.1/100

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: 457.627+/-2373.776 χ^2/NDF : 11.2/7

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

Right Out: 5350.249+/-1909.188 χ^2/NDF : 6.4/9

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

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

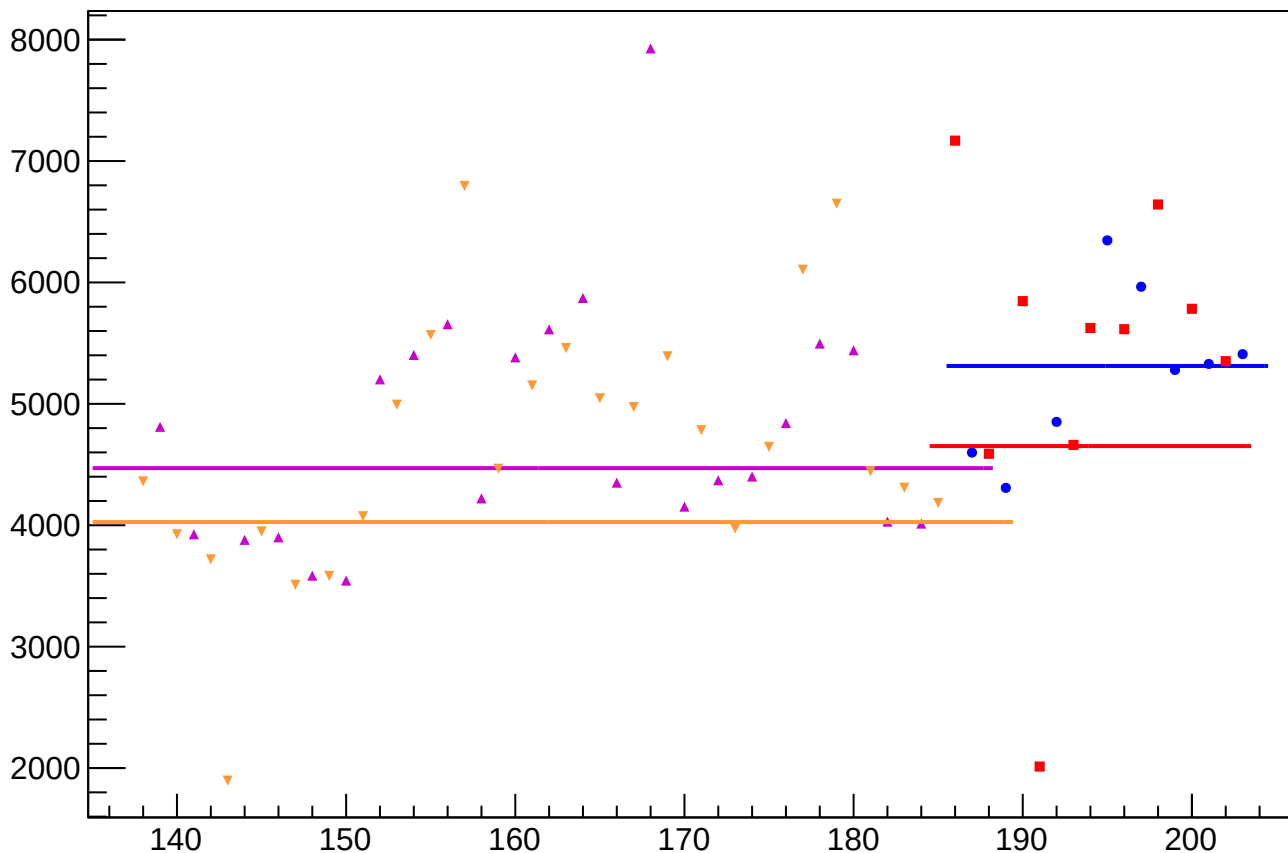
Right: 3428.485+/-1487.712 χ^2/NDF : 20.2/17

In: 101.405+/-987.116 χ^2/NDF : 26.5/30

Out: 1006.364+/-878.411 χ^2/NDF : 42.7/34

All: 606.439+/-656.211 χ^2/NDF : 69.7/65

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 5312.115+/-1.679 χ^2/NDF : 126835.9/7

Left Out: 4026.447+/-0.700 χ^2/NDF : 3071265.0/24

Right Out: 4652.154+/-1.350 χ^2/NDF : 1295821.9/9

Left In: 4470.490+/-0.768 χ^2/NDF : 1132495.2/22

Left: 4227.952+/-0.517 χ^2/NDF : 4386588.9/47

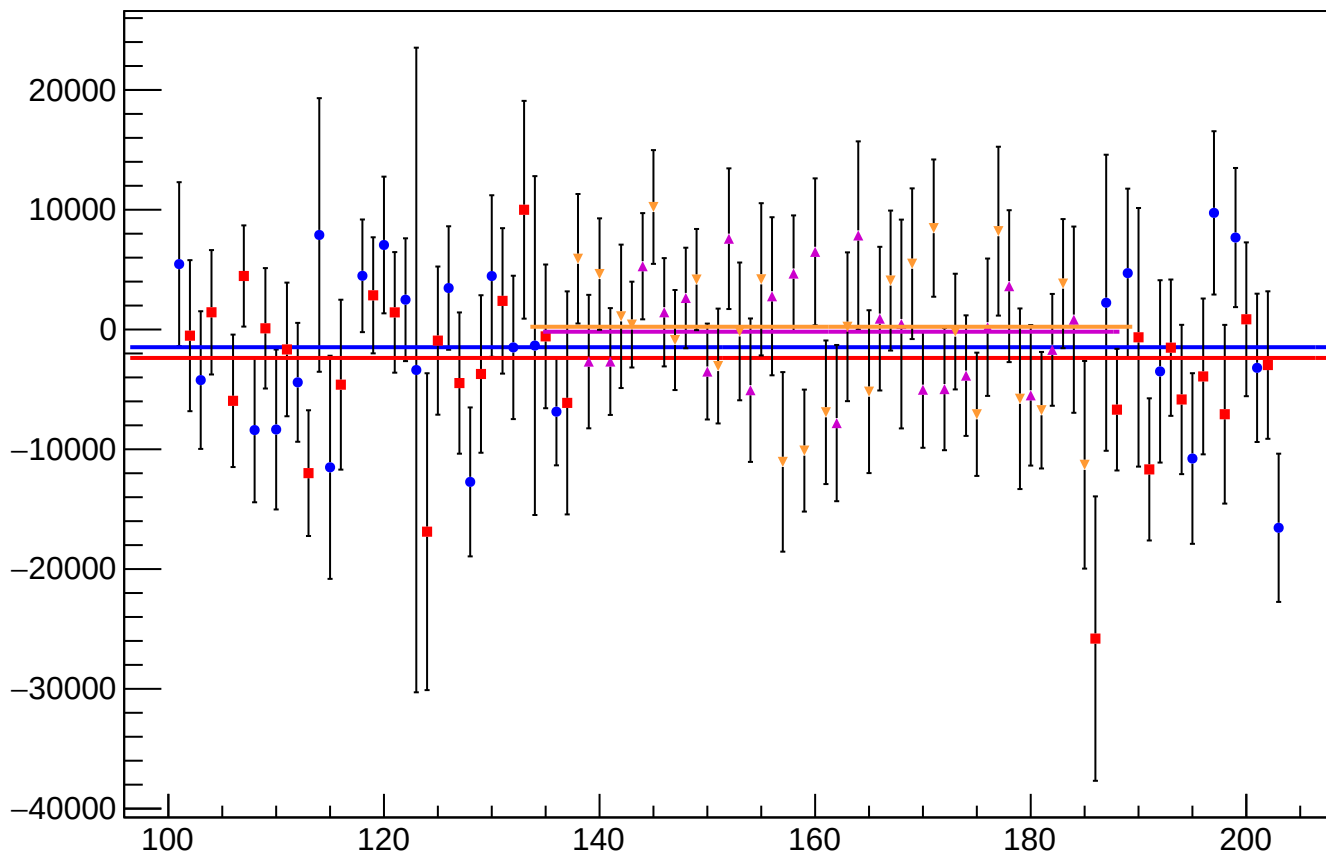
Right: 4911.379+/-1.052 χ^2/NDF : 1516527.8/17

In: 4616.028+/-0.698 χ^2/NDF : 1467268.4/30

Out: 4158.902+/-0.621 χ^2/NDF : 4536432.0/34

All: 4360.918+/-0.464 χ^2/NDF : 6243063.2/65

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1476.904 $\pm$ 1278.335 χ^2 /NDF: 30.5/24

Left Out: 229.897 $\pm$ 1073.528 χ^2 /NDF:28.1/24

Right Out: -2374.285 $\pm$ 1150.947 χ^2 /NDF: 21.4/27

Left In: -185.280 $\pm$ 1119.296 χ^2 /NDF:14.3/22

Left: 30.970 $\pm$ 774.774 χ^2 /NDF: 42.5/47

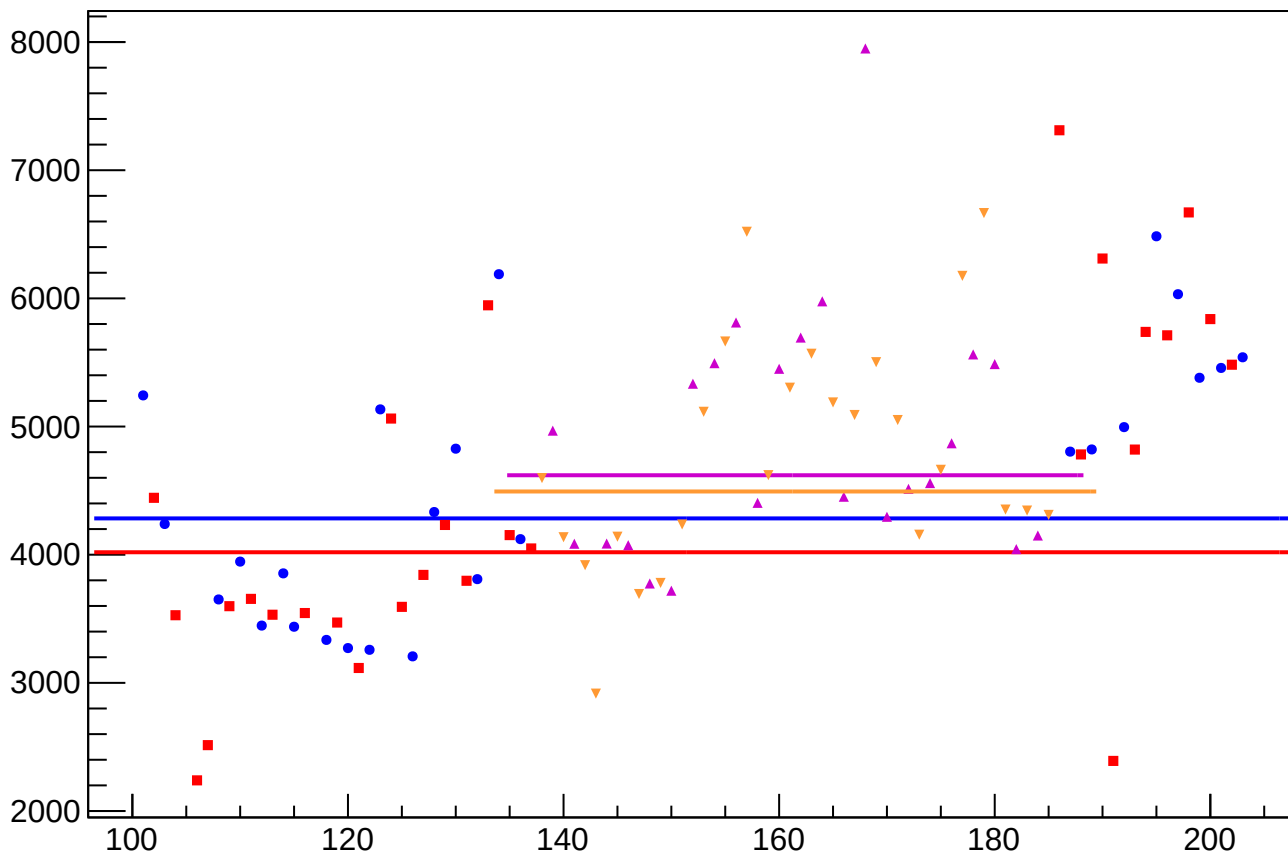
Right: -1972.523 $\pm$ 855.344 χ^2 /NDF: 52.2/52

In: -745.791 $\pm$ 842.110 χ^2 /NDF:45.4/47

Out: -981.670 $\pm$ 785.043 χ^2 /NDF:52.3/52

All: -871.993 $\pm$ 574.225 χ^2 /NDF: 97.7/100

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 4283.207+/-0.904 χ^2/NDF : 1101807.7/24

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

Right Out: 4019.099+/-0.809 χ^2/NDF : 2100576.7/27

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

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

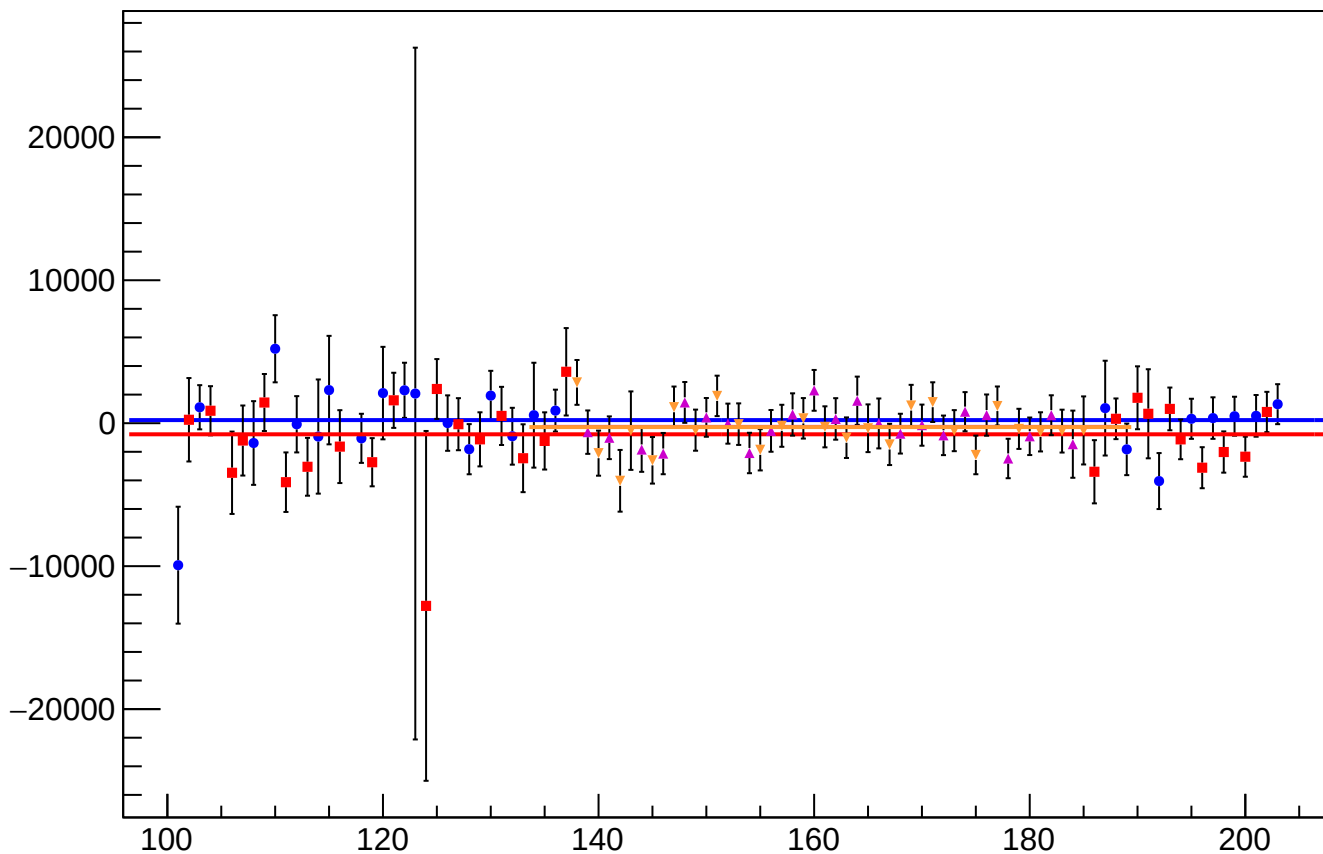
Right: 4136.511+/-0.603 χ^2/NDF : 3249803.5/52

In: 4473.815+/-0.595 χ^2/NDF : 2182334.0/47

Out: 4271.185+/-0.553 χ^2/NDF : 3592514.1/52

All: 4365.103+/-0.405 χ^2/NDF : 5836975.6/100

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 217.441 $\pm$ 384.914 χ^2 /NDF: 23.5/24

Left Out: -270.523 $\pm$ 302.030 χ^2 /NDF:22.2/24

Right Out: -776.134 $\pm$ 358.270 χ^2 /NDF: 27.3/27

Left In: -258.285 $\pm$ 305.289 χ^2 /NDF:16.0/22

Left: -264.470 $\pm$ 214.711 χ^2 /NDF: 38.2/47

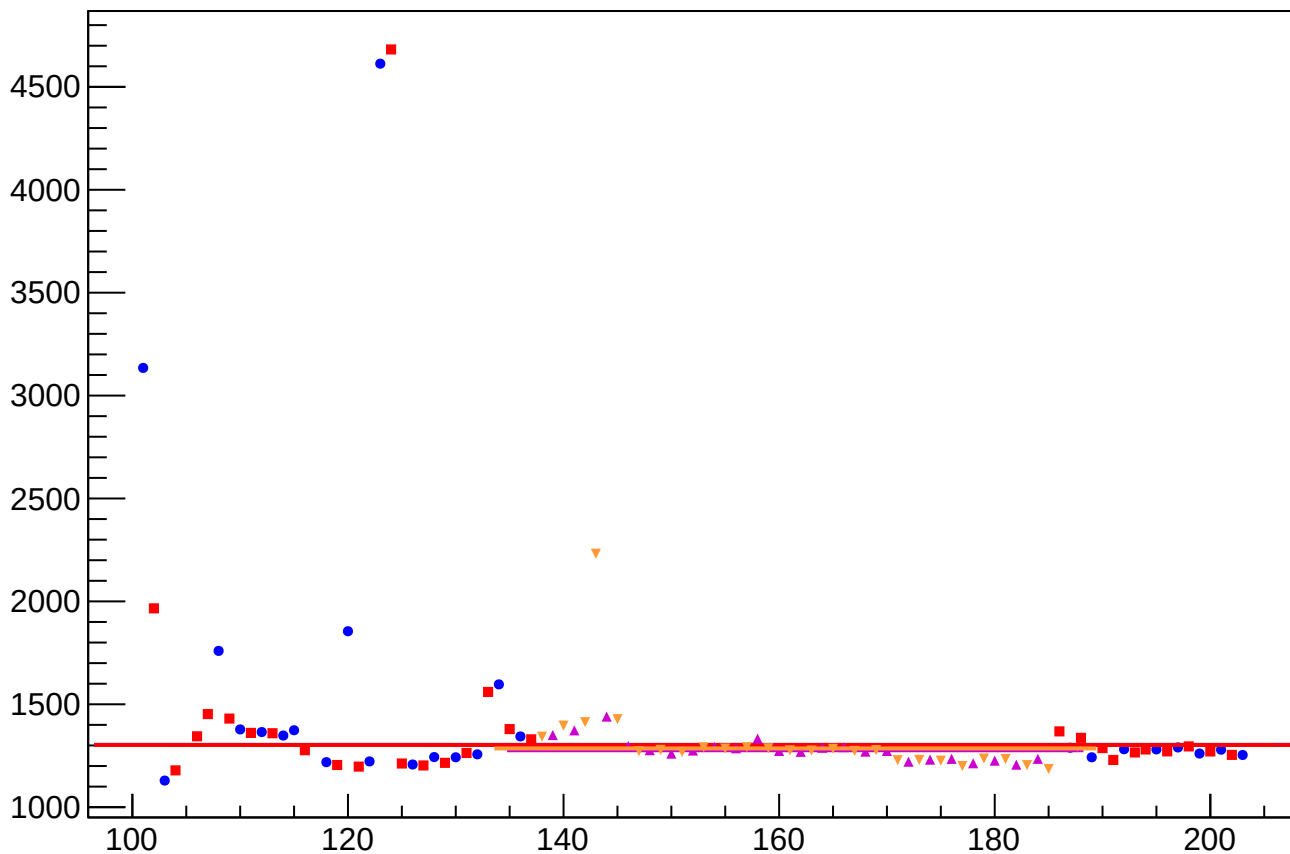
Right: -314.921 $\pm$ 262.249 χ^2 /NDF: 54.4/52

In: -74.583 $\pm$ 239.190 χ^2 /NDF:40.4/47

Out: -480.574 $\pm$ 230.922 χ^2 /NDF:50.7/52

All: -284.717 $\pm$ 166.132 χ^2 /NDF: 92.6/100

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1302.741 $\pm$ 0.272 χ^2 /NDF: 617160.8/24

Left Out: 1285.574 $\pm$ 0.214 χ^2 /NDF: 306057.6/24

Right Out: 1302.265 $\pm$ 0.253 χ^2 /NDF: 350073.8/27

Left In: 1276.755 $\pm$ 0.216 χ^2 /NDF: 59434.2/22

Left: 1281.212 $\pm$ 0.152 χ^2 /NDF: 366335.3/47

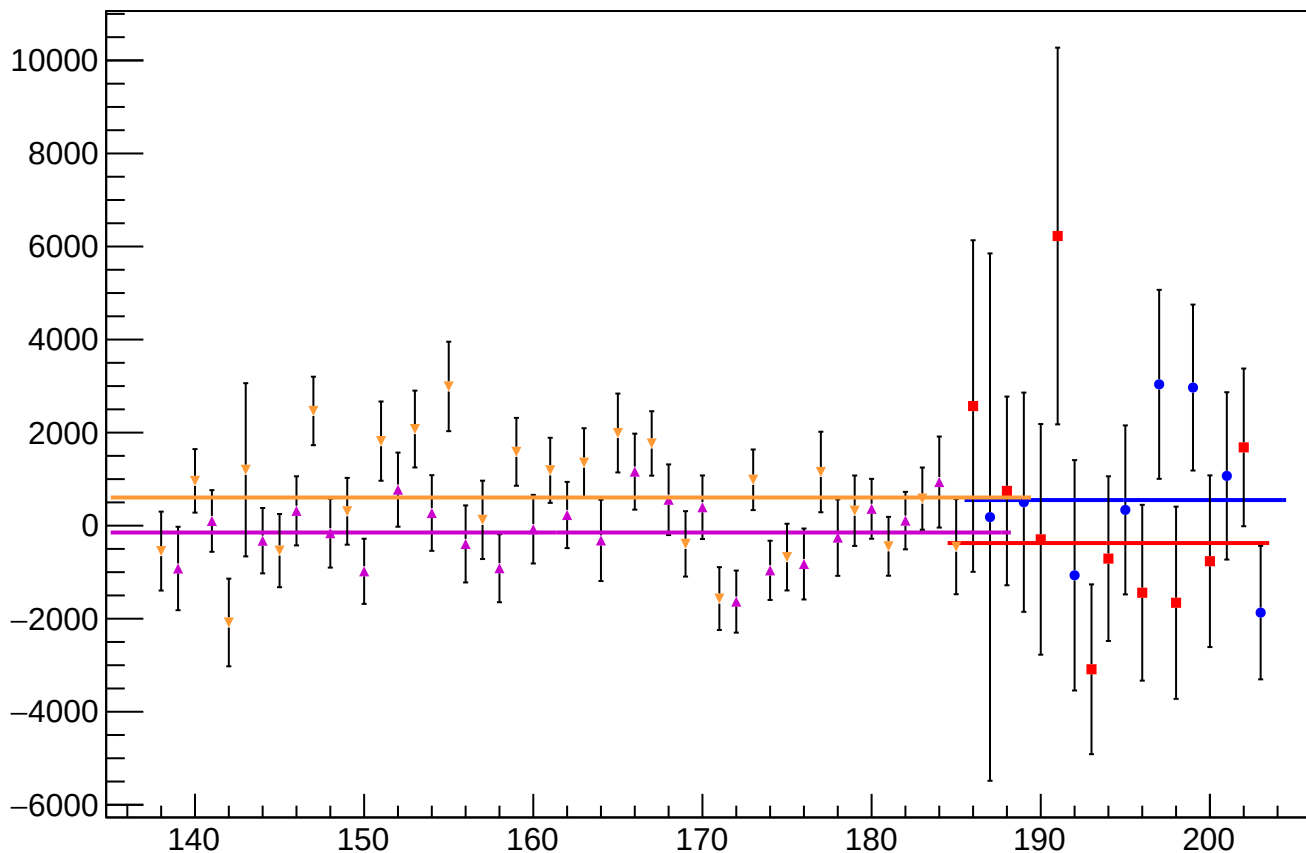
Right: 1302.486 $\pm$ 0.185 χ^2 /NDF: 967236.2/52

In: 1286.790 $\pm$ 0.169 χ^2 /NDF: 682190.4/47

Out: 1292.508 $\pm$ 0.163 χ^2 /NDF: 658668.7/52

All: 1289.749 $\pm$ 0.117 χ^2 /NDF: 1341450.9/100

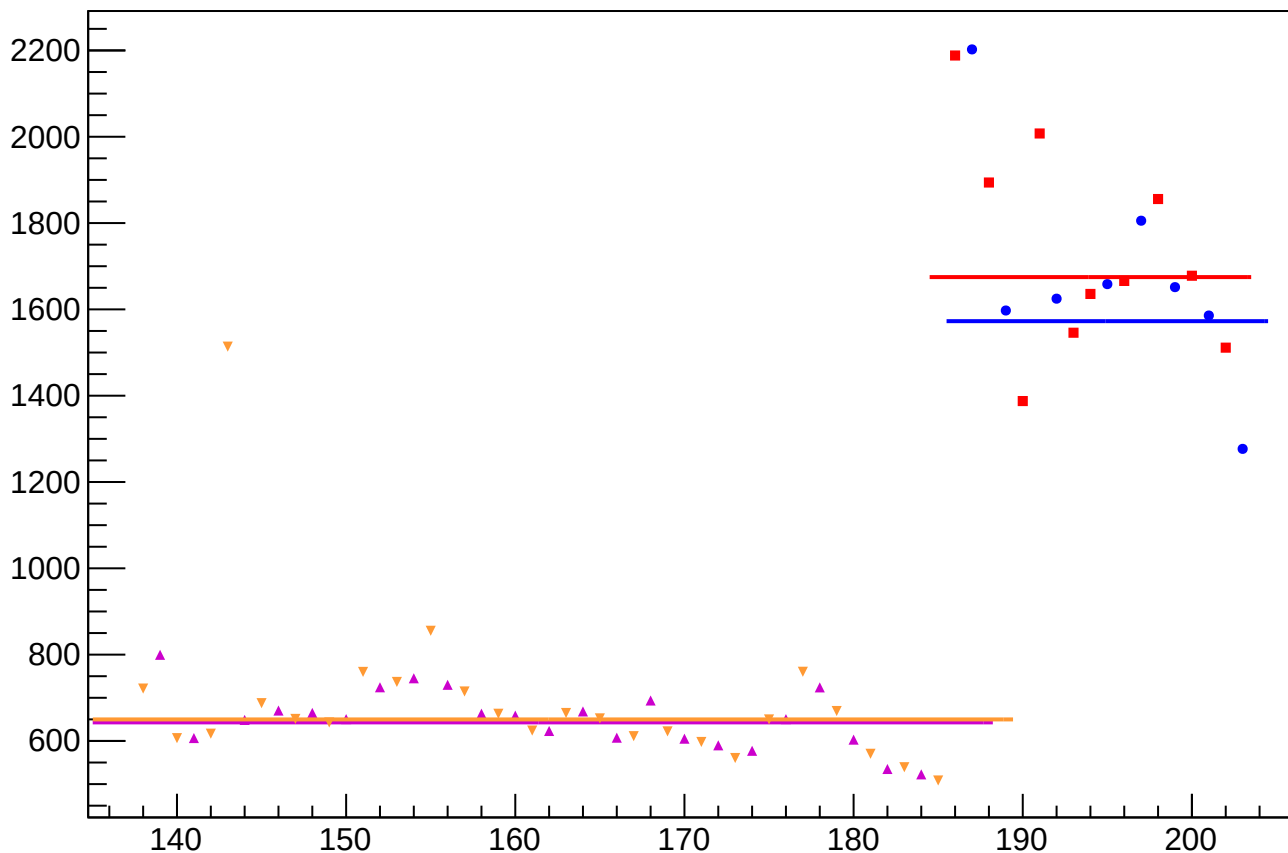
asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 550.291+/-701.976 χ^2/NDF : 6.7/7
 Left Out: 605.167+/-153.922 χ^2/NDF :60.0/24
 Right Out: -373.984+/-656.356 χ^2/NDF : 8.1/9
 Left In: -147.044+/-154.051 χ^2/NDF :19.4/22

Left: 229.377+/-108.885 χ^2/NDF : 91.3/47
 Right: 57.146+/-479.431 χ^2/NDF : 15.8/17
 In: -115.004+/-150.471 χ^2/NDF :27.0/30
 Out: 554.125+/-149.857 χ^2/NDF :70.2/34
 All: 220.929+/-106.181 χ^2/NDF : 107.1/65

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 1572.701 $\pm$ 0.496 χ^2 /NDF: 145642.7/7

Left Out: 649.866 $\pm$ 0.109 χ^2 /NDF: 840823.5/24

Right Out: 1674.816 $\pm$ 0.464 χ^2 /NDF: 150167.6/9

Left In: 643.008 $\pm$ 0.109 χ^2 /NDF: 323844.6/22

Left: 646.440 $\pm$ 0.077 χ^2 /NDF: 1166651.7/47

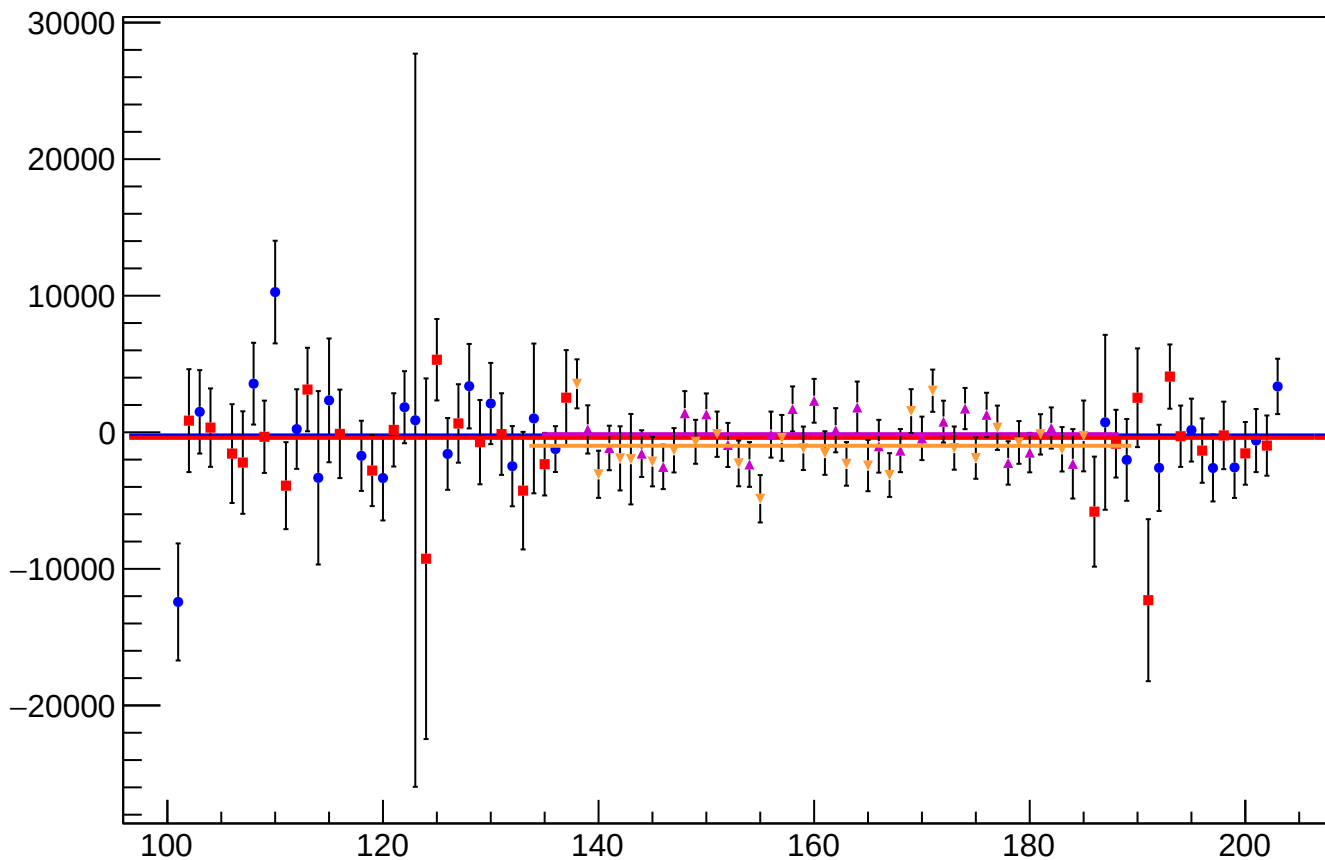
Right: 1627.184 $\pm$ 0.339 χ^2 /NDF: 318390.9/17

In: 685.725 $\pm$ 0.106 χ^2 /NDF: 3816338.8/30

Out: 703.295 $\pm$ 0.106 χ^2 /NDF: 5613792.1/34

All: 694.546 $\pm$ 0.075 χ^2 /NDF: 9443821.5/65

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -227.953 ± 575.010 $\chi^2/\text{NDF}: 29.8/24$

Left Out: -987.247 ± 339.757 $\chi^2/\text{NDF}: 28.5/24$

Right Out: -407.968 ± 550.449 $\chi^2/\text{NDF}: 21.1/27$

Left In: -137.780 ± 342.262 $\chi^2/\text{NDF}: 18.8/22$

Left: -565.633 ± 241.125 $\chi^2/\text{NDF}: 50.4/47$

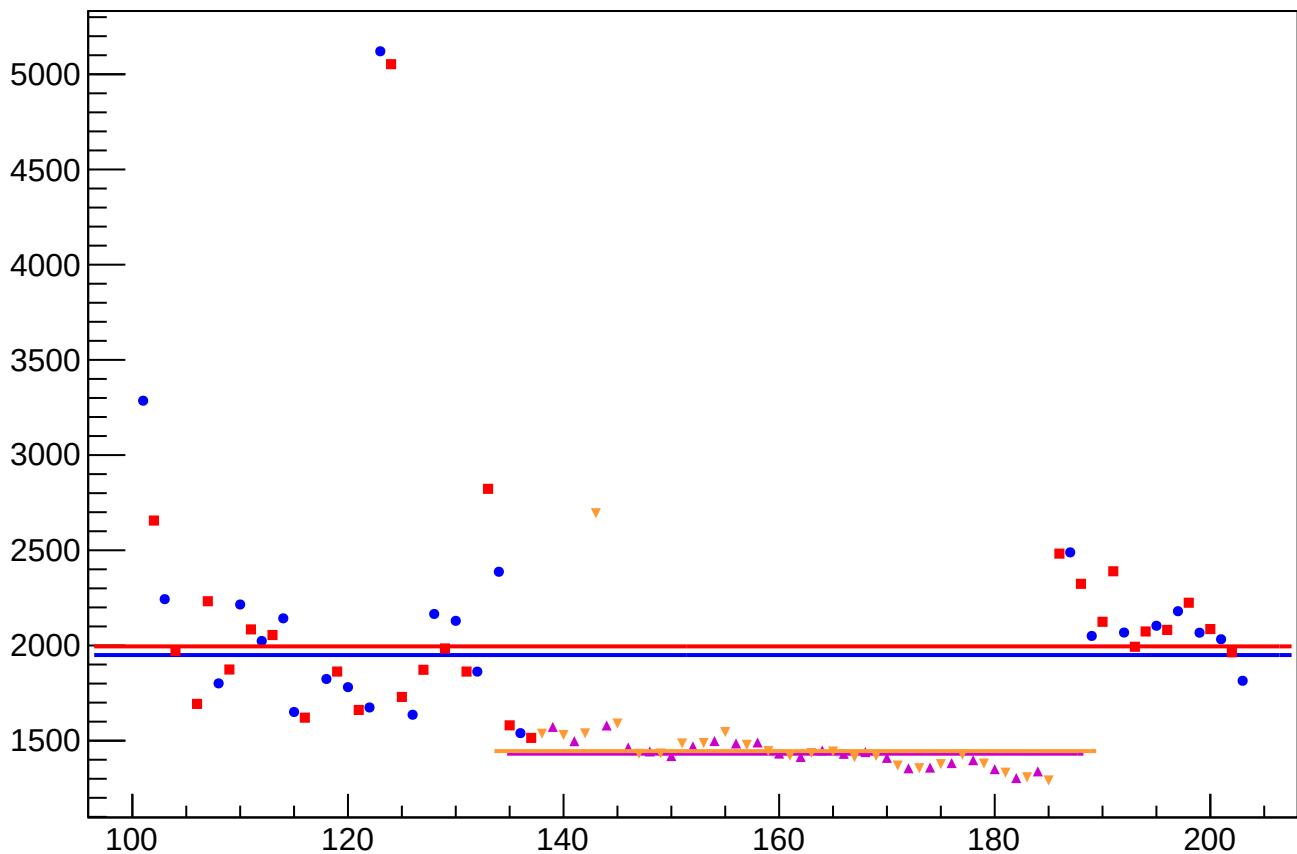
Right: -321.887 ± 397.626 $\chi^2/\text{NDF}: 50.9/52$

In: -161.370 ± 294.104 $\chi^2/\text{NDF}: 48.6/47$

Out: -827.437 ± 289.117 $\chi^2/\text{NDF}: 50.4/52$

All: -500.099 ± 206.177 $\chi^2/\text{NDF}: 101.6/100$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1949.780 $\pm$ 0.407 χ^2 /NDF: 542046.4/24

Left Out: 1445.418 $\pm$ 0.240 χ^2 /NDF: 374859.2/24

Right Out: 1995.377 $\pm$ 0.389 χ^2 /NDF: 562916.9/27

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

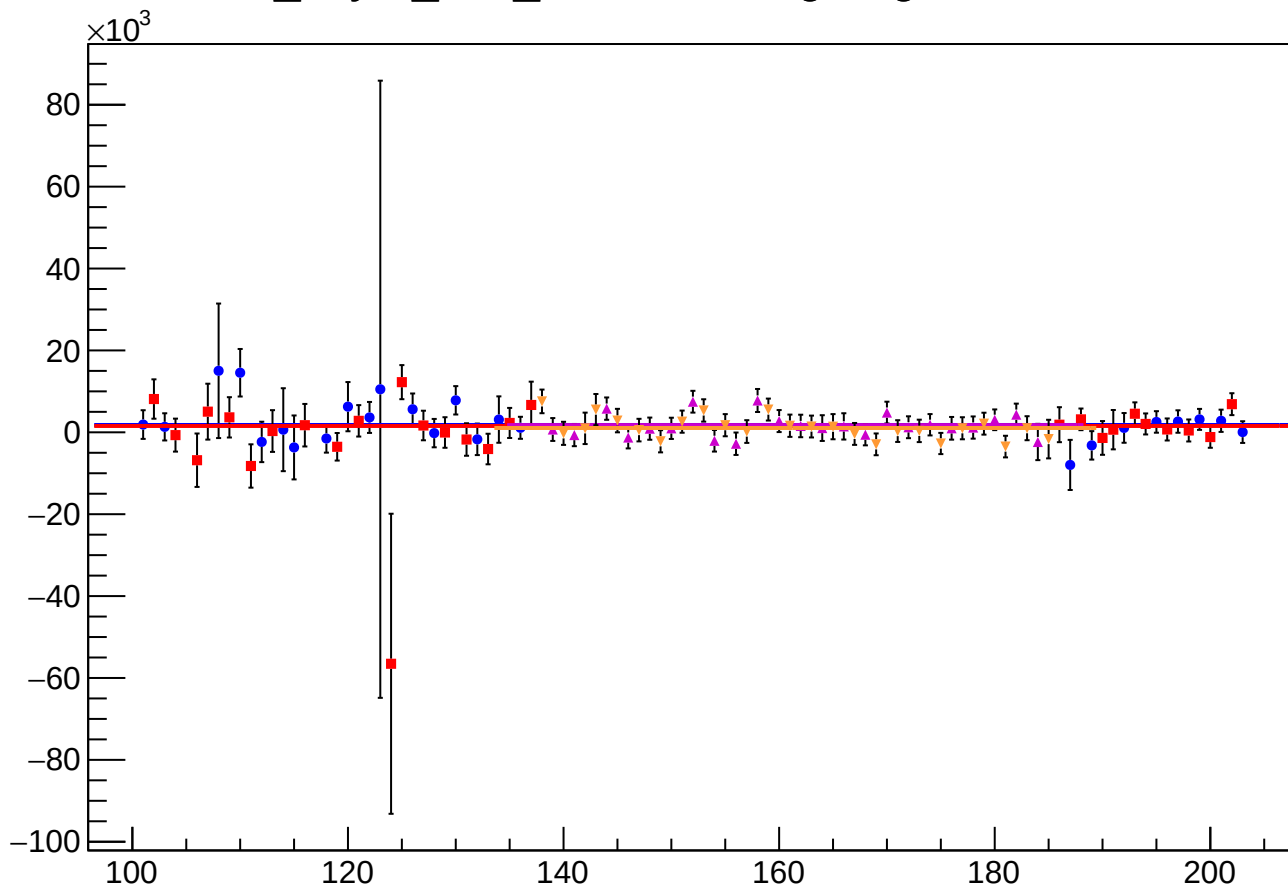
Right: 1973.574 $\pm$ 0.281 χ^2 /NDF: 1111526.0/52

In: 1567.208 $\pm$ 0.208 χ^2 /NDF: 1818853.3/47

Out: 1597.141 $\pm$ 0.204 χ^2 /NDF: 2383468.9/52

All: 1582.430 $\pm$ 0.146 χ^2 /NDF: 4212857.9/100

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1788.646 ± 741.180 $\chi^2/\text{NDF}: 19.4/24$

Left Out: 1057.276 ± 566.243 $\chi^2/\text{NDF}: 22.7/24$

Right Out: 1550.761 ± 698.550 $\chi^2/\text{NDF}: 30.7/27$

Left In: 1762.122 ± 574.660 $\chi^2/\text{NDF}: 23.2/22$

Left: 1404.499 ± 403.337 $\chi^2/\text{NDF}: 46.7/47$

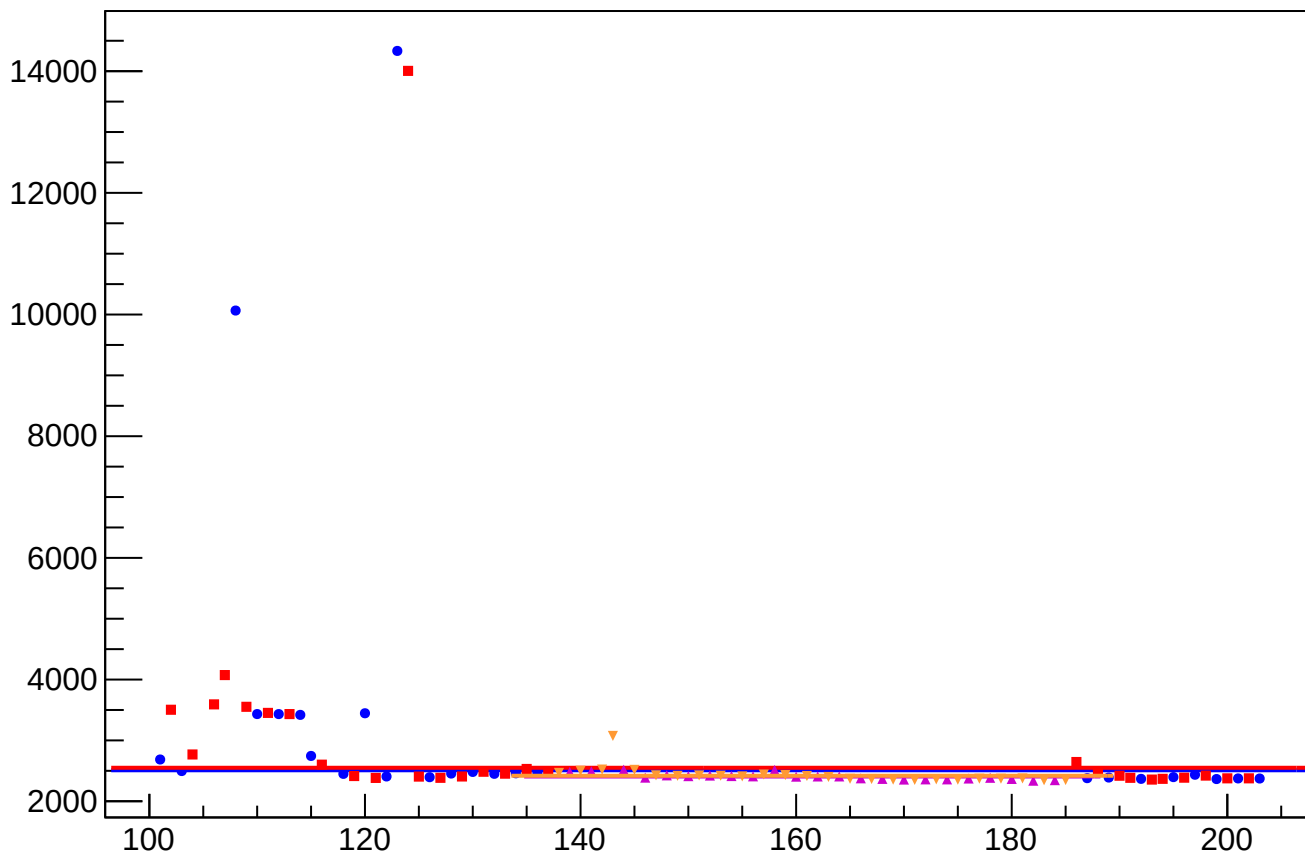
Right: 1662.666 ± 508.352 $\chi^2/\text{NDF}: 50.1/52$

In: 1772.080 ± 454.147 $\chi^2/\text{NDF}: 42.6/47$

Out: 1252.955 ± 439.878 $\chi^2/\text{NDF}: 53.6/52$

All: 1504.234 ± 315.965 $\chi^2/\text{NDF}: 97.0/100$

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2509.044+/-0.524 χ^2/NDF : 698294.1/24

Left Out: 2418.972+/-0.400 χ^2/NDF : 74779.7/24

Right Out: 2550.183+/-0.494 χ^2/NDF : 706111.6/27

Left In: 2406.443+/-0.406 χ^2/NDF : 15245.2/22

Left: 2412.800+/-0.285 χ^2/NDF : 90507.2/47

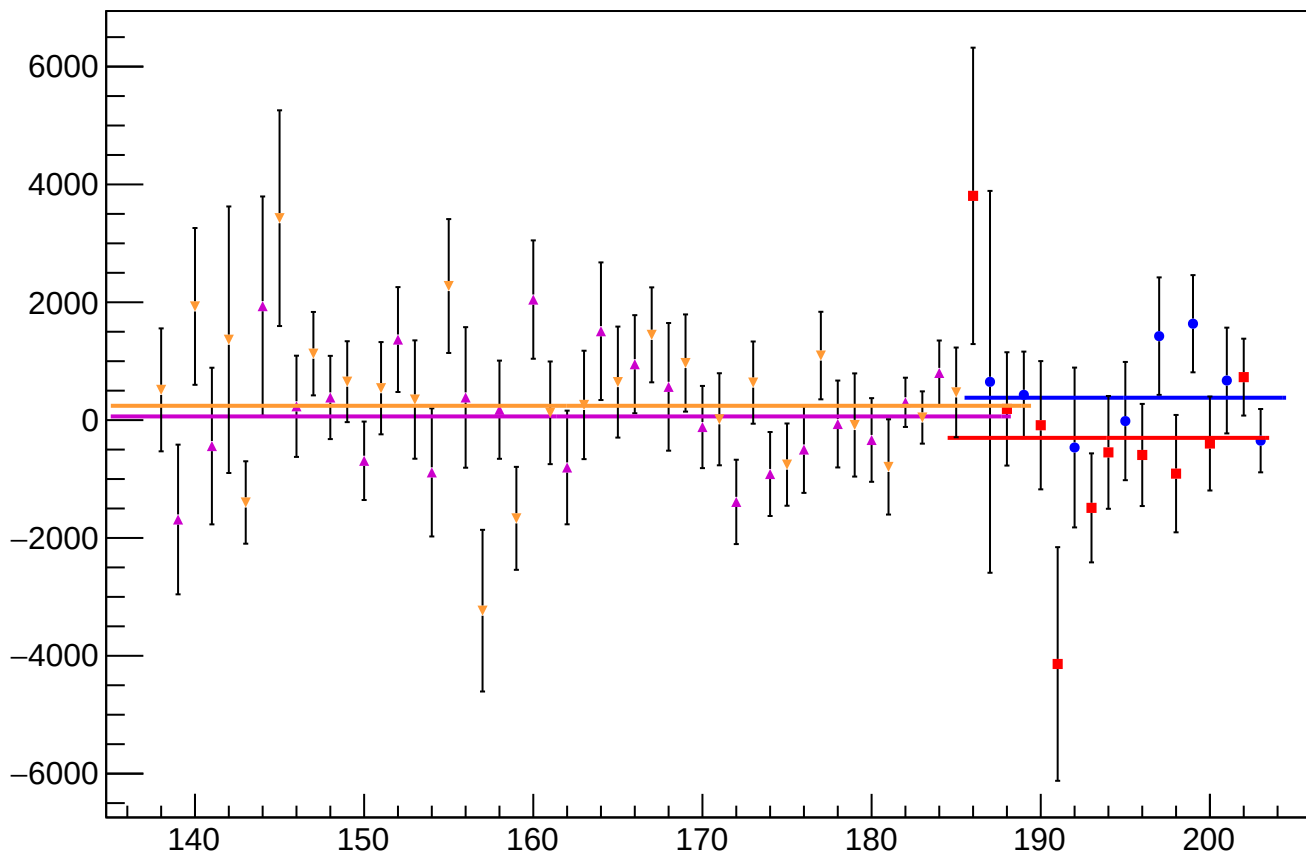
Right: 2530.831+/-0.359 χ^2/NDF : 1407668.9/52

In: 2444.964+/-0.321 χ^2/NDF : 737475.4/47

Out: 2471.001+/-0.311 χ^2/NDF : 823474.1/52

All: 2458.398+/-0.223 χ^2/NDF : 1564341.2/100

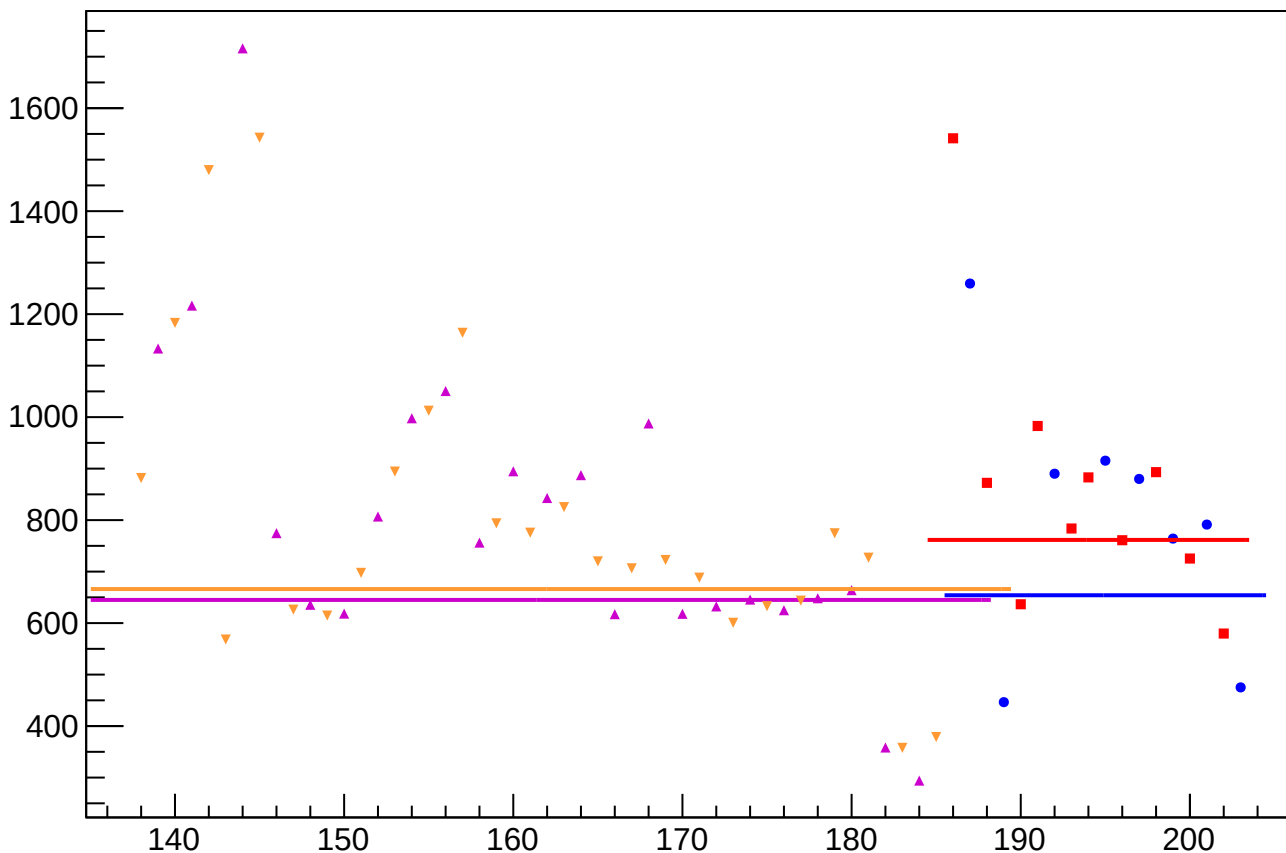
asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: 379.957 ± 306.179 $\chi^2/\text{NDF}: 5.9/7$
 Left Out: 243.135 ± 163.940 $\chi^2/\text{NDF}: 36.0/24$
 Right Out: -301.208 ± 303.460 $\chi^2/\text{NDF}: 11.4/9$
 Left In: 62.569 ± 164.169 $\chi^2/\text{NDF}: 24.3/22$

Left: 152.978 ± 116.004 $\chi^2/\text{NDF}: 60.9/47$
 Right: 36.336 ± 215.534 $\chi^2/\text{NDF}: 19.8/17$
 In: 133.441 ± 144.683 $\chi^2/\text{NDF}: 31.0/30$
 Out: 120.157 ± 144.238 $\chi^2/\text{NDF}: 49.9/34$
 All: 126.779 ± 102.149 $\chi^2/\text{NDF}: 80.9/65$

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 654.069+/-0.217

χ^2/NDF : 832708.6/7

Left Out: 666.133+/-0.116

χ^2/NDF : 3190574.7/24

Right Out: 761.548+/-0.215

χ^2/NDF : 497895.0/9

Left In: 645.011+/-0.116

χ^2/NDF : 4176295.6/22

Left: 655.587+/-0.082

χ^2/NDF : 7383446.0/47

Right: 708.288+/-0.152

χ^2/NDF : 1454927.2/17

In: 647.034+/-0.102

χ^2/NDF : 5010363.5/30

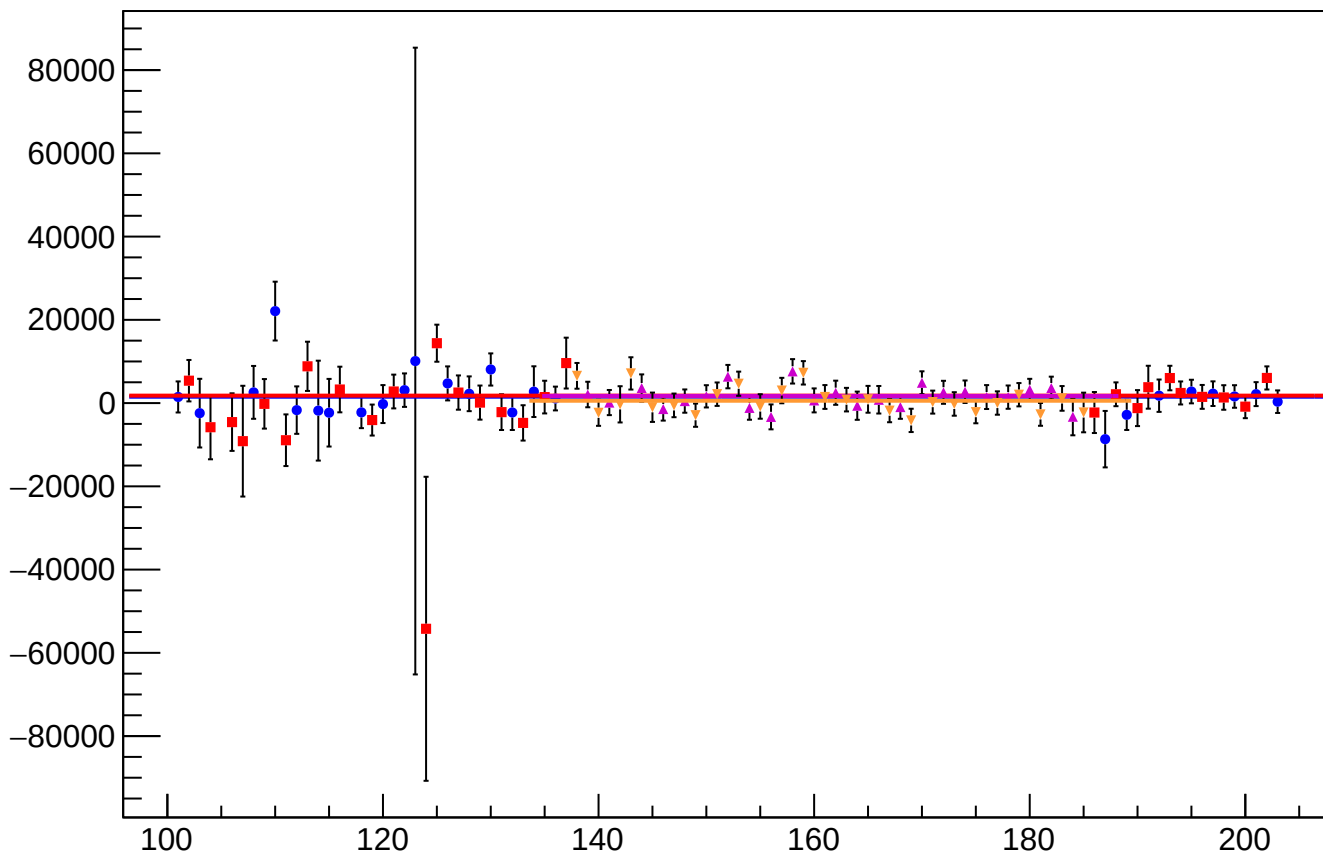
Out: 687.689+/-0.102

χ^2/NDF : 3841523.8/34

All: 667.424+/-0.072

χ^2/NDF : 8931088.7/65

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1533.633+/-803.172 χ^2/NDF : 19.2/24

Left Out: 566.778+/-598.308 χ^2/NDF : 25.2/24

Right Out: 1790.306+/-766.622 χ^2/NDF : 32.3/27

Left In: 1713.317+/-607.775 χ^2/NDF : 18.1/22

Left: 1131.048+/-426.375 χ^2/NDF : 45.0/47

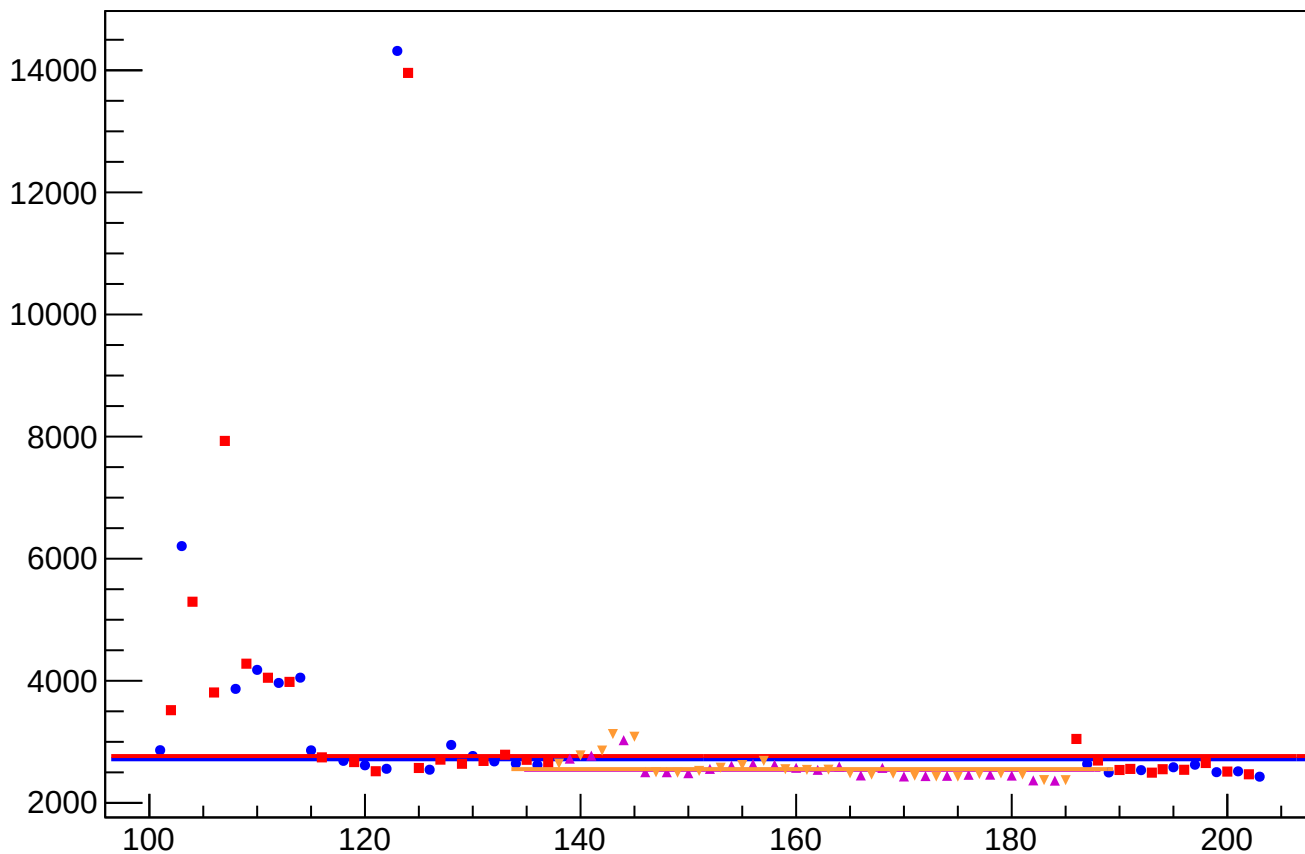
Right: 1667.942+/-554.555 χ^2/NDF : 51.6/52

In: 1647.890+/-484.653 χ^2/NDF : 37.3/47

Out: 1029.924+/-471.665 χ^2/NDF : 59.1/52

All: 1330.516+/-338.016 χ^2/NDF : 97.2/100

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2714.126+/-0.568 χ^2/NDF : 760747.2/24

Left Out: 2553.097+/-0.423 χ^2/NDF :148430.5/24

Right Out: 2767.111+/-0.542 χ^2/NDF : 1212231.0/27

Left In: 2541.950+/-0.430 χ^2/NDF :97238.4/22

Left: 2547.611+/-0.301 χ^2/NDF : 246010.6/47

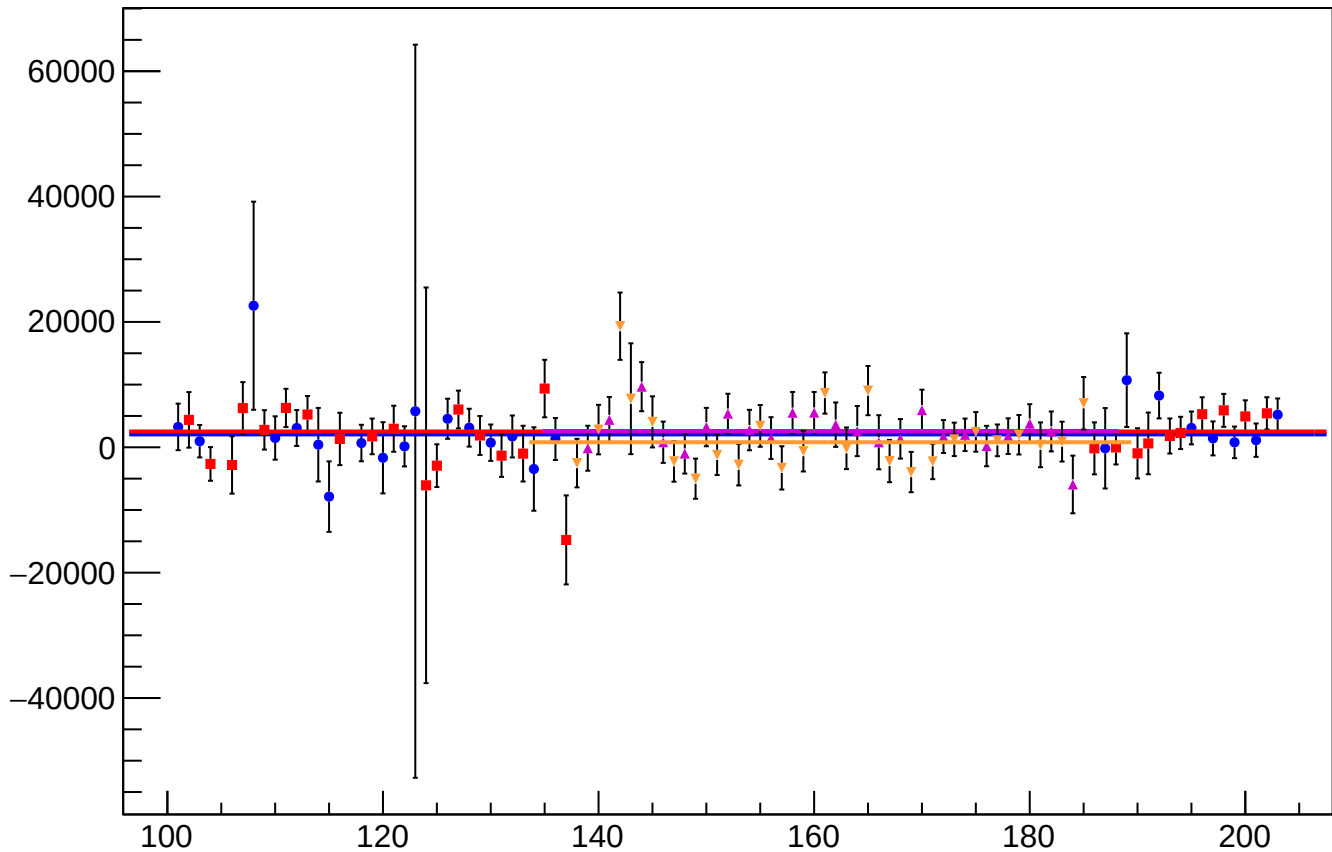
Right: 2741.851+/-0.392 χ^2/NDF : 1977532.9/52

In: 2604.642+/-0.343 χ^2/NDF :916428.6/47

Out: 2634.108+/-0.334 χ^2/NDF :1457527.7/52

All: 2619.775+/-0.239 χ^2/NDF : 2377753.1/100

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2058.453 $\pm$ 688.035 χ^2 /NDF: 14.3/24

Left Out: 807.297 $\pm$ 677.513 χ^2 /NDF:39.1/24

Right Out: 2520.006 $\pm$ 627.479 χ^2 /NDF: 29.8/27

Left In: 2595.551 $\pm$ 683.824 χ^2 /NDF:14.0/22

Left: 1693.134 $\pm$ 481.290 χ^2 /NDF: 56.6/47

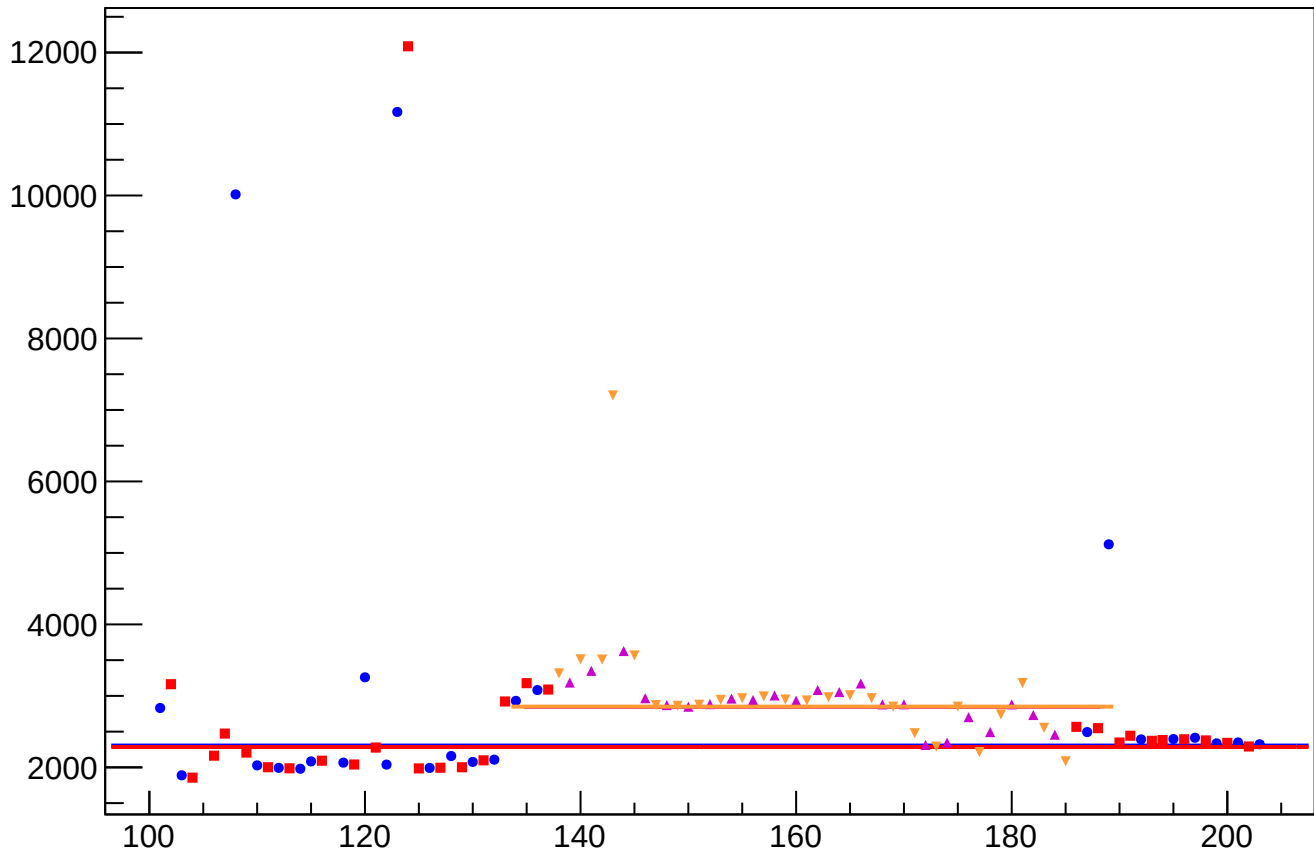
Right: 2310.431 $\pm$ 463.628 χ^2 /NDF: 44.3/52

In: 2328.651 $\pm$ 485.019 χ^2 /NDF:28.6/47

Out: 1729.221 $\pm$ 460.368 χ^2 /NDF:72.4/52

All: 2013.317 $\pm$ 333.904 χ^2 /NDF: 101.7/100

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2304.954 ± 0.487 $\chi^2/\text{NDF}: 1160634.3/24$

Left Out: 2849.256 ± 0.479 $\chi^2/\text{NDF}: 1034478.3/24$

Right Out: 2284.704 ± 0.444 $\chi^2/\text{NDF}: 627025.2/27$

Left In: 2844.779 ± 0.484 $\chi^2/\text{NDF}: 383776.8/22$

Left: 2847.038 ± 0.340 $\chi^2/\text{NDF}: 1418298.4/47$

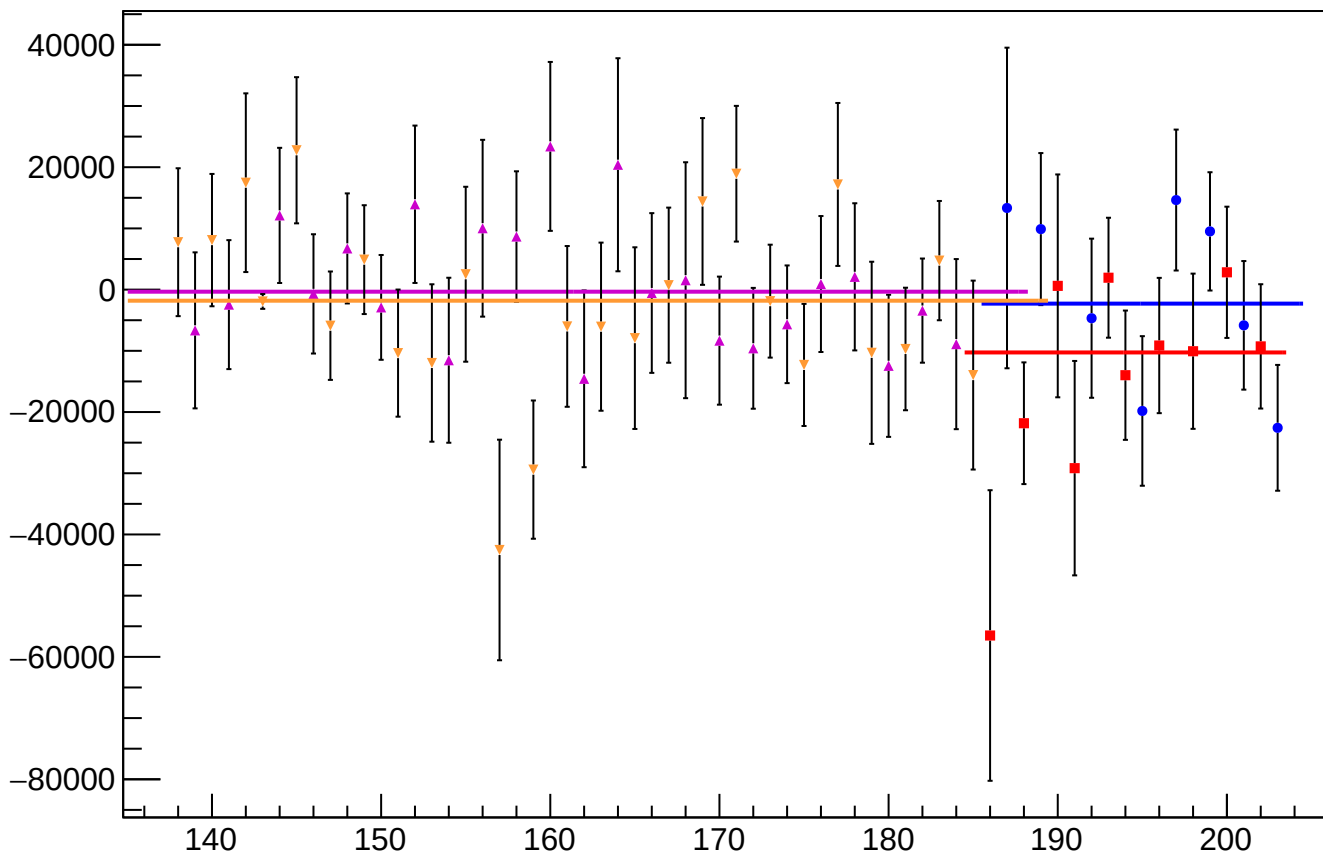
Right: 2293.895 ± 0.328 $\chi^2/\text{NDF}: 1788605.6/52$

In: 2576.523 ± 0.343 $\chi^2/\text{NDF}: 2163770.7/47$

Out: 2545.256 ± 0.325 $\chi^2/\text{NDF}: 2409279.9/52$

All: 2560.071 ± 0.236 $\chi^2/\text{NDF}: 4577423.9/100$

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -2287.732 $\pm$ 4176.010 χ^2/NDF : 11.1/7

Left Out: -1810.593 $\pm$ 1078.173 χ^2/NDF : 31.2/24

Right Out: -10264.516 $\pm$ 3770.158 χ^2/NDF : 9.9/9

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

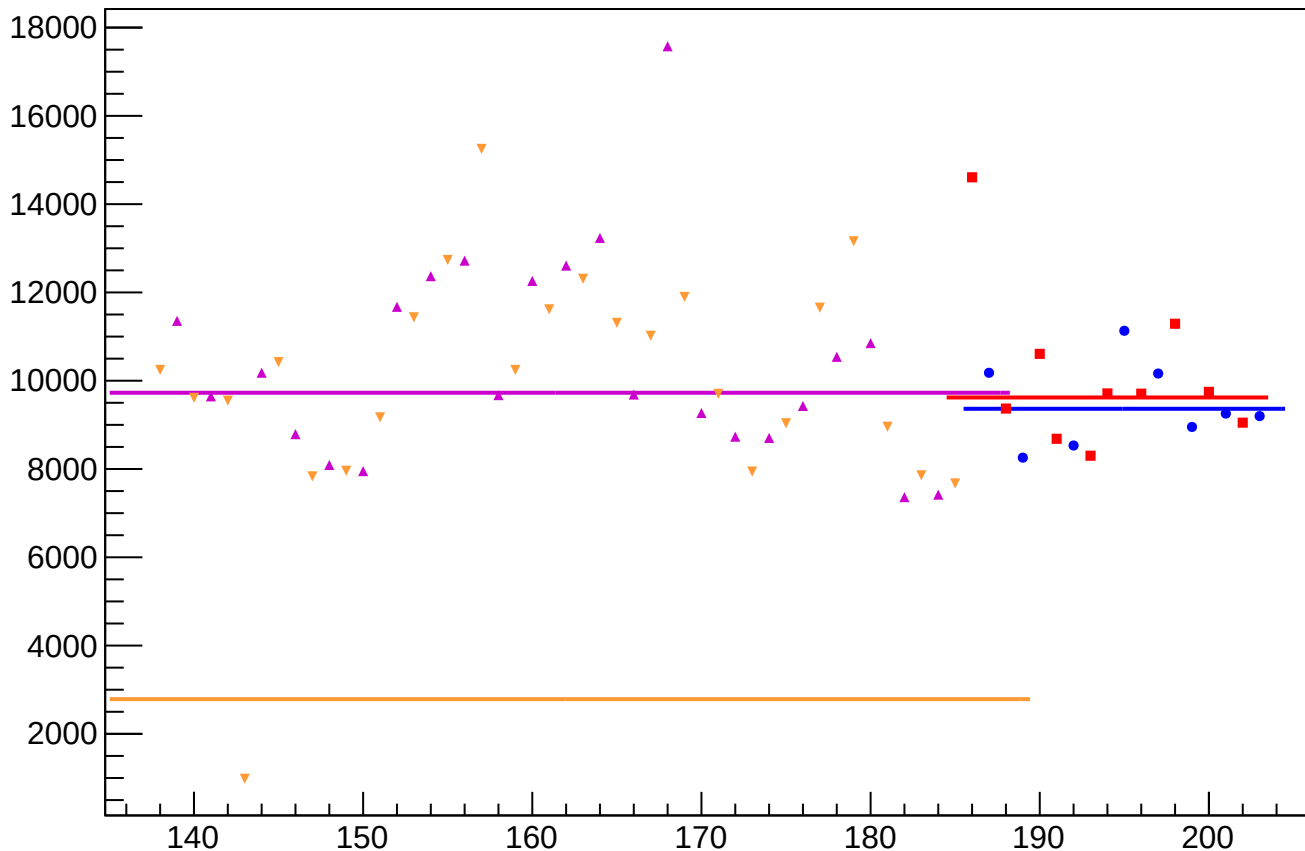
Right: -6682.480 $\pm$ 2798.418 χ^2/NDF : 22.9/17

In: -812.731 $\pm$ 2058.549 χ^2/NDF : 25.4/30

Out: -2449.704 $\pm$ 1036.617 χ^2/NDF : 45.7/34

All: -2118.570 $\pm$ 925.854 χ^2/NDF : 71.7/65

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 9364.321+/-2.953 χ^2/NDF : 81817.6/7

Left Out: 2786.461+/-0.762 χ^2/NDF : 22863045.3/24

Right Out: 9620.506+/-2.666 χ^2/NDF : 179045.3/9

Left In: 9727.255+/-1.673 χ^2/NDF : 1261406.7/22

Left: 3979.946+/-0.694 χ^2/NDF : 38376569.5/47

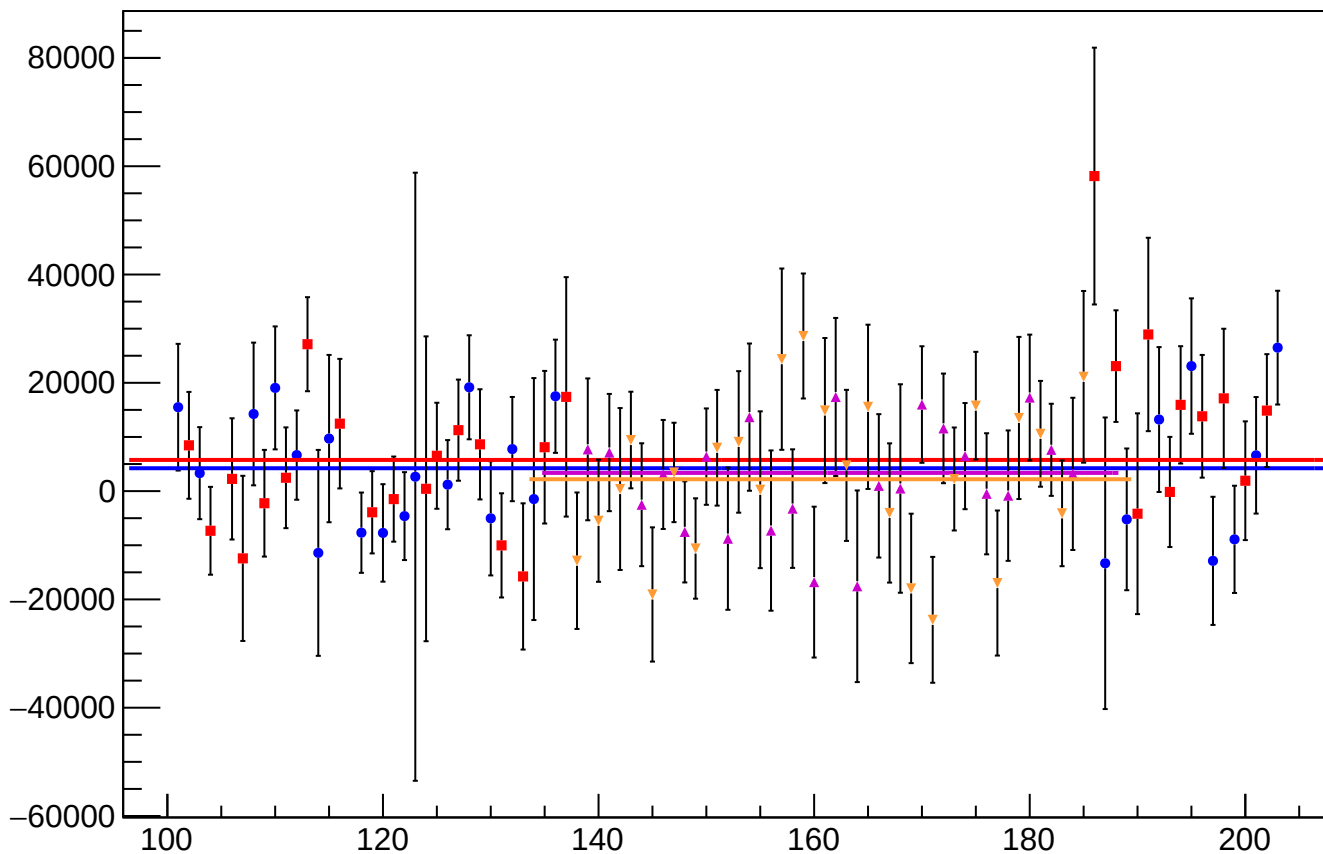
Right: 9505.464+/-1.979 χ^2/NDF : 265009.8/17

In: 9639.064+/-1.456 χ^2/NDF : 1354660.0/30

Out: 3303.110+/-0.733 χ^2/NDF : 29116819.7/34

All: 4584.776+/-0.655 χ^2/NDF : 45585483.8/6

asym_atl2_mean vs Slug, Sign Corrected



Right In: 4223.634+/-2166.163 χ^2/NDF : 26.8/24

Left Out: 2192.629+/-2346.604 χ^2/NDF : 31.2/24

Right Out: 5758.216+/-2057.011 χ^2/NDF : 32.9/27

Left In: 3362.489+/-2413.842 χ^2/NDF : 12.8/22

Left: 2761.039+/-1682.568 χ^2/NDF : 44.1/47

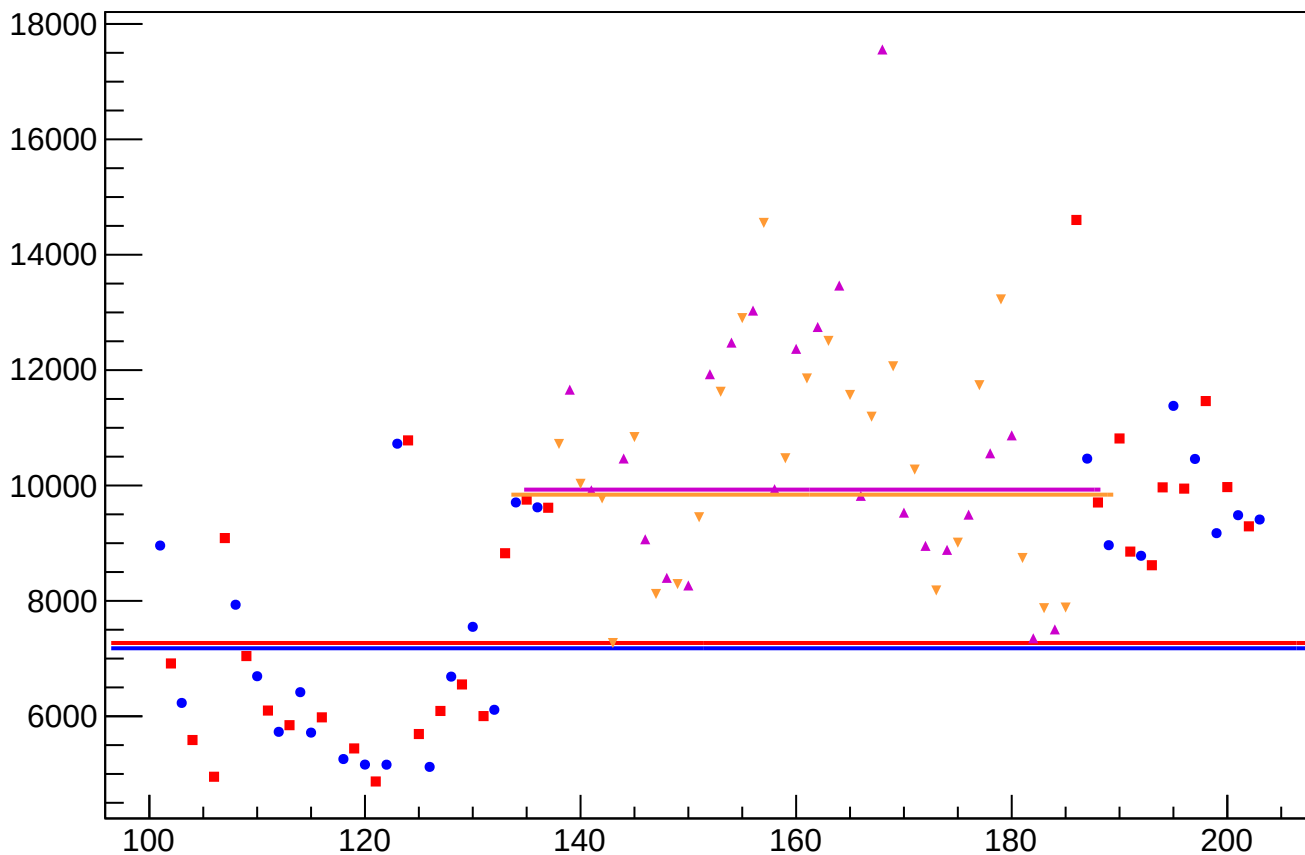
Right: 5030.561+/-1491.622 χ^2/NDF : 60.0/52

In: 3839.495+/-1612.185 χ^2/NDF : 39.7/47

Out: 4208.895+/-1546.839 χ^2/NDF : 65.4/52

All: 4031.833+/-1116.167 χ^2/NDF : 105.1/100

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7178.294+/-1.532

χ^2/NDF : 1560842.2/24

Left Out: 9841.227+/-1.659

χ^2/NDF : 1184767.7/24

Right Out: 7270.260+/-1.454

χ^2/NDF : 1957783.5/27

Left In: 9928.662+/-1.707

χ^2/NDF : 1220804.9/22

Left: 9883.710+/-1.190

χ^2/NDF : 2406921.7/47

Right: 7226.654+/-1.055

χ^2/NDF : 3520521.4/52

In: 8405.172+/-1.140

χ^2/NDF : 4219924.6/47

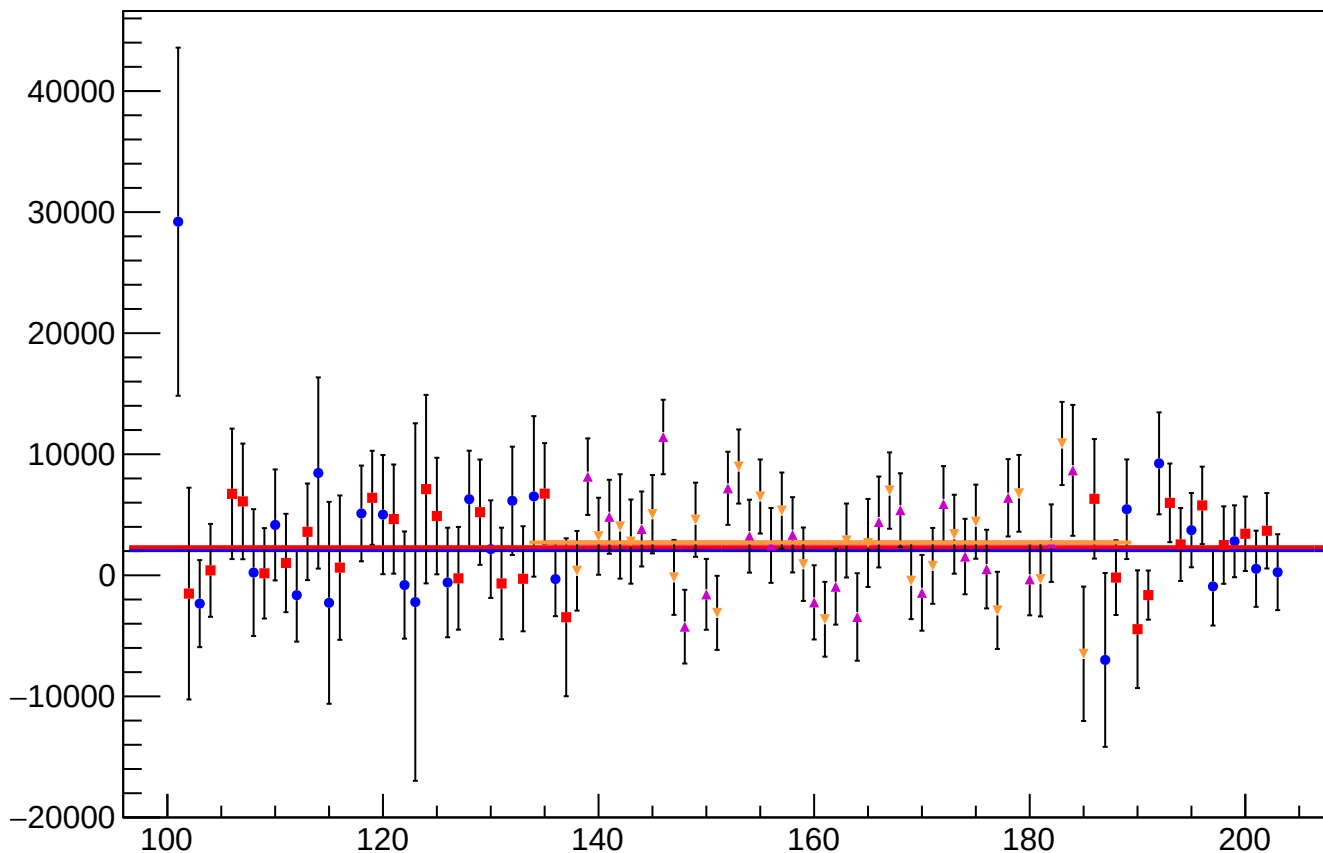
Out: 8387.356+/-1.094

χ^2/NDF : 4500153.8/52

All: 8395.895+/-0.789

χ^2/NDF : 8720205.6/10

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2080.101 $\pm$ 836.106 χ^2 /NDF: 19.0/24

Left Out: 2712.564 $\pm$ 648.832 χ^2 /NDF:34.7/24

Right Out: 2319.524 $\pm$ 727.911 χ^2 /NDF: 17.7/27

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

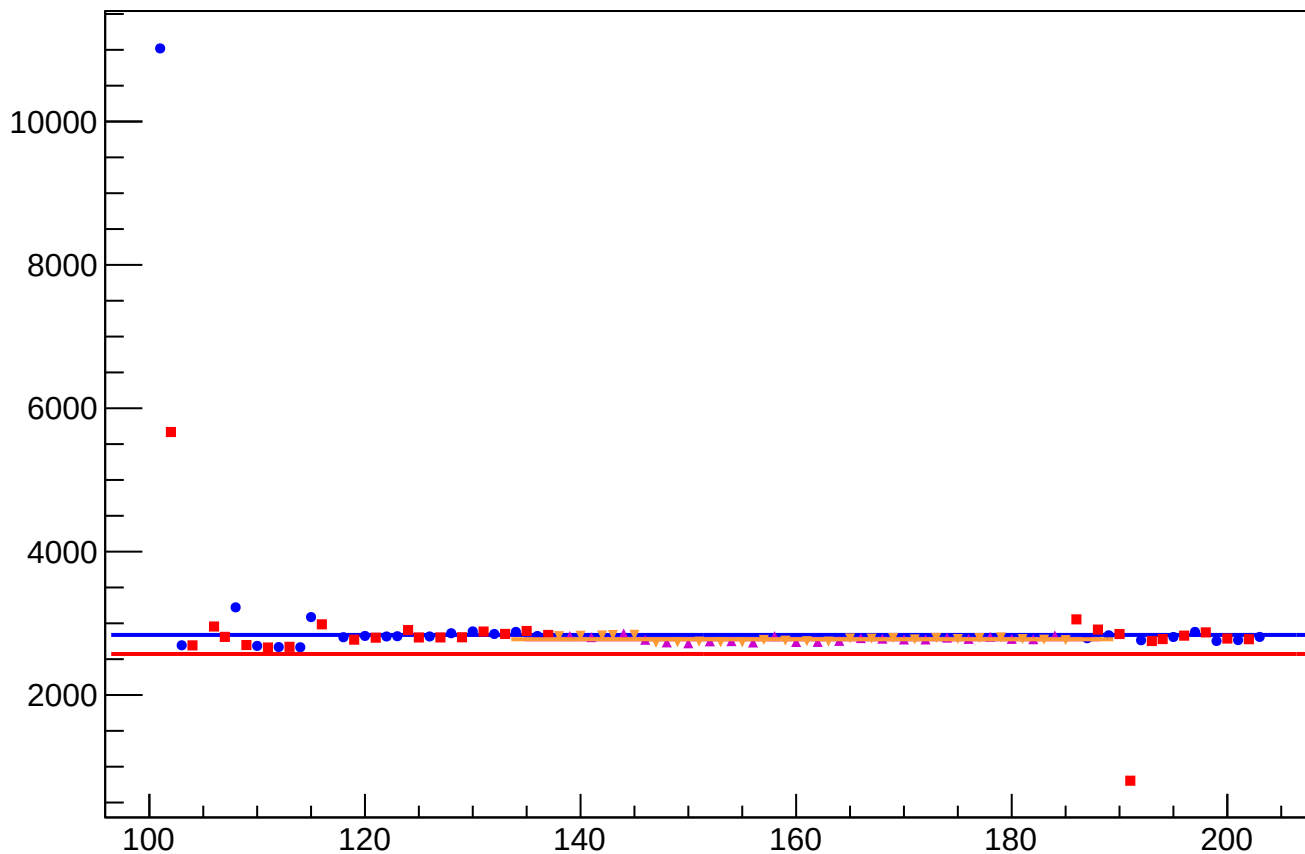
Right: 2216.297 $\pm$ 549.005 χ^2 /NDF: 36.8/52

In: 2459.537 $\pm$ 519.275 χ^2 /NDF:55.4/47

Out: 2538.546 $\pm$ 484.348 χ^2 /NDF:52.6/52

All: 2501.788 $\pm$ 354.190 χ^2 /NDF: 108.0/100

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2838.177+/-0.591 χ^2/NDF : 675440.0/24

Left Out: 2777.450+/-0.459 χ^2/NDF : 5253.1/24

Right Out: 2572.477+/-0.515 χ^2/NDF : 1977643.6/27

Left In: 2777.355+/-0.468 χ^2/NDF : 5488.7/22

Left: 2777.404+/-0.328 χ^2/NDF : 10741.8/47

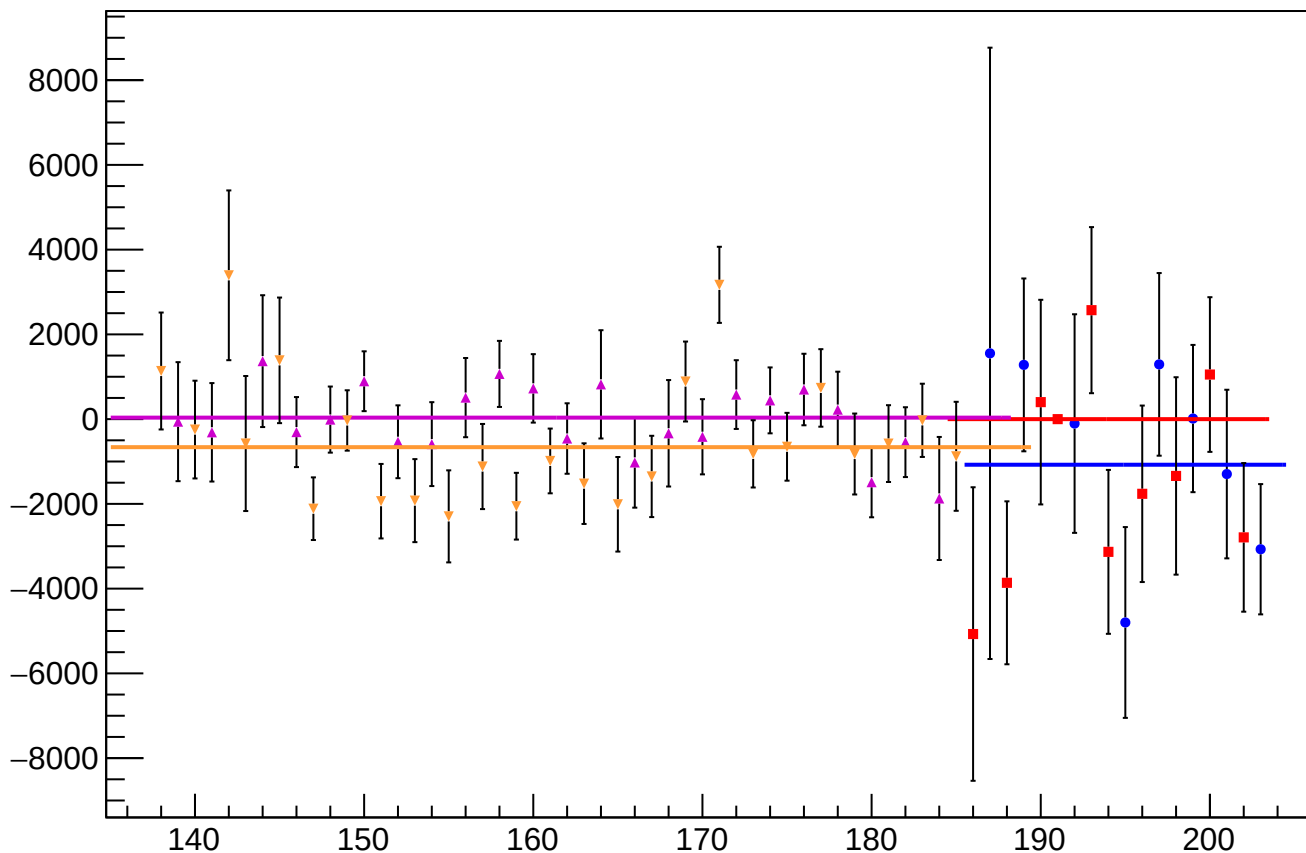
Right: 2687.034+/-0.388 χ^2/NDF : 2767974.6/52

In: 2800.815+/-0.367 χ^2/NDF : 687429.9/47

Out: 2686.698+/-0.342 χ^2/NDF : 2071269.4/52

All: 2739.790+/-0.250 χ^2/NDF : 2810351.8/100

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -1076.185 ± 739.322 χ^2/NDF : 7.6/7

Left Out: -661.759 ± 190.222 χ^2/NDF : 48.7/24

Right Out: -0.292 ± 4.105 χ^2/NDF : 14.5/9

Left In: 35.366 ± 190.553 χ^2/NDF : 15.1/22

Left: -313.803 ± 134.624 χ^2/NDF : 70.5/47

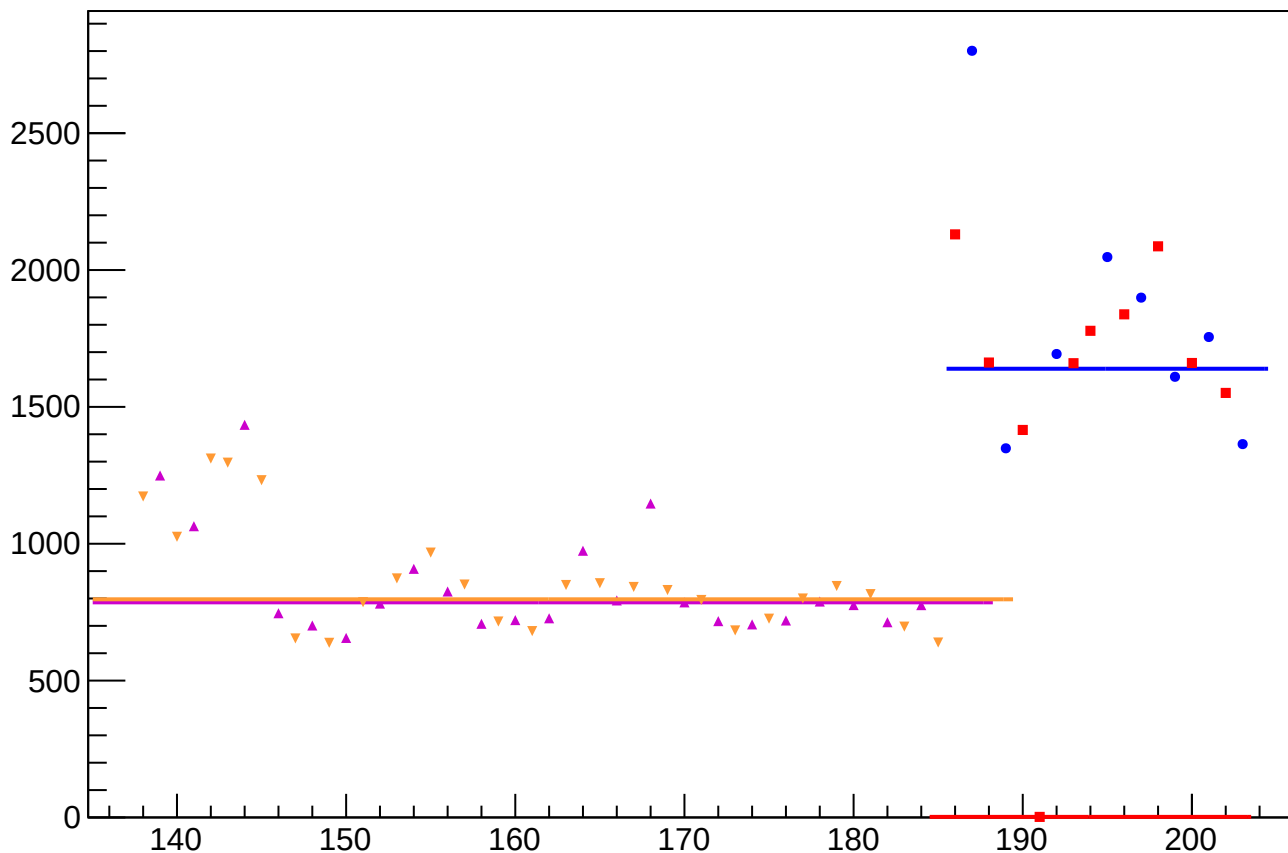
Right: -0.325 ± 4.105 χ^2/NDF : 24.2/17

In: -33.875 ± 184.523 χ^2/NDF : 24.9/30

Out: -0.599 ± 4.104 χ^2/NDF : 75.2/34

All: -0.616 ± 4.103 χ^2/NDF : 100.1/65

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 1639.363 $\pm$ 0.523 χ^2 /NDF: 259659.8/7

Left Out: 796.994 $\pm$ 0.135 χ^2 /NDF:1174879.0/24

Right Out: 2.097 $\pm$ 0.003 χ^2 /NDF: 12415752.9/9

Left In: 785.928 $\pm$ 0.135 χ^2 /NDF:1126027.7/22

Left: 791.470 $\pm$ 0.095 χ^2 /NDF: 2304284.9/47

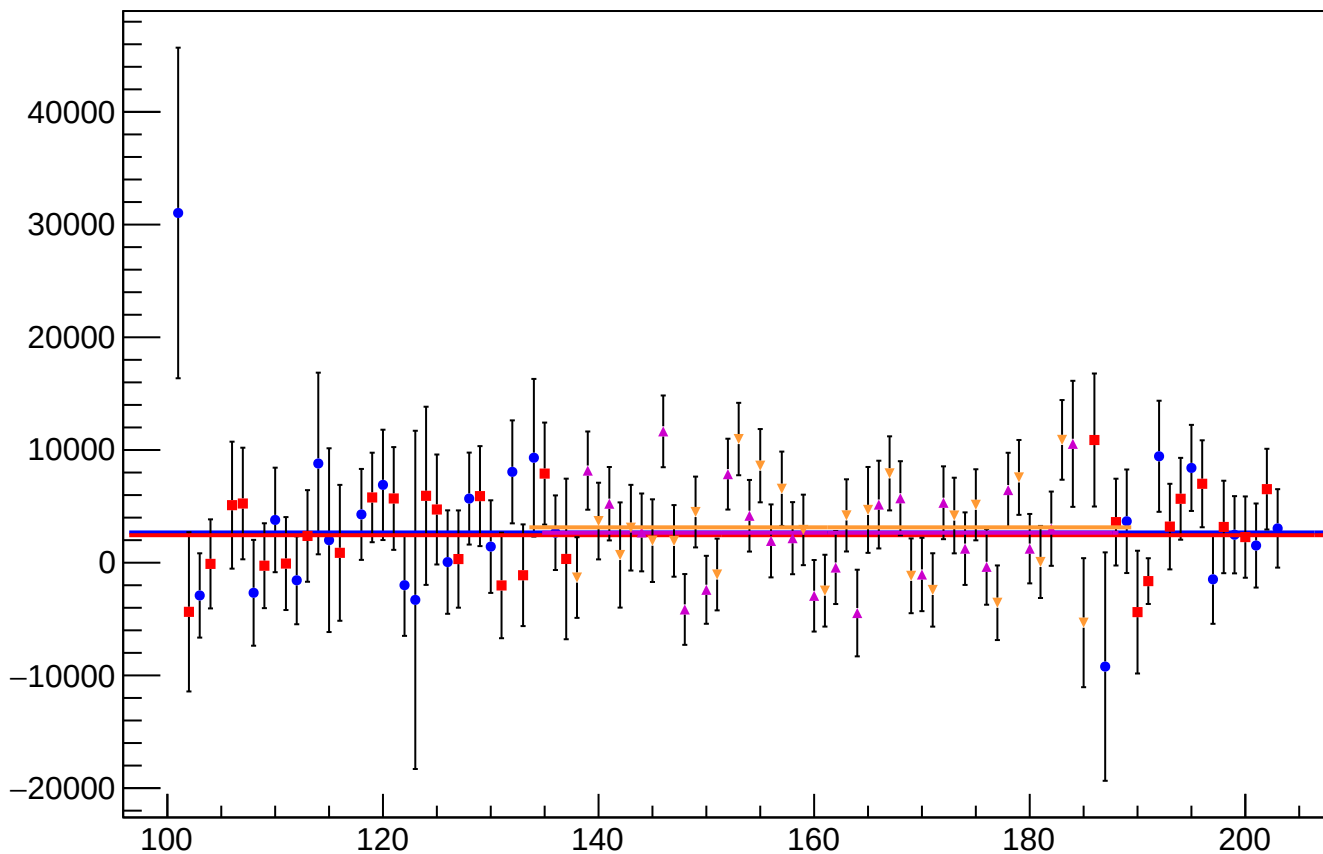
Right: 2.148 $\pm$ 0.003 χ^2 /NDF: 22483583.2/17

In: 839.090 $\pm$ 0.130 χ^2 /NDF:3884720.5/30

Out: 2.467 $\pm$ 0.003 χ^2 /NDF:48498759.3/34

All: 2.881 $\pm$ 0.003 χ^2 /NDF: 93477073.6/65

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2684.198 $\pm$ 906.019 χ^2 /NDF: 21.3/24

Left Out: 3139.358 $\pm$ 680.222 χ^2 /NDF: 38.3/24

Right Out: 2440.162 $\pm$ 787.979 χ^2 /NDF: 19.7/27

Left In: 2659.828 $\pm$ 693.121 χ^2 /NDF: 36.9/22

Left: 2904.096 $\pm$ 485.486 χ^2 /NDF: 75.4/47

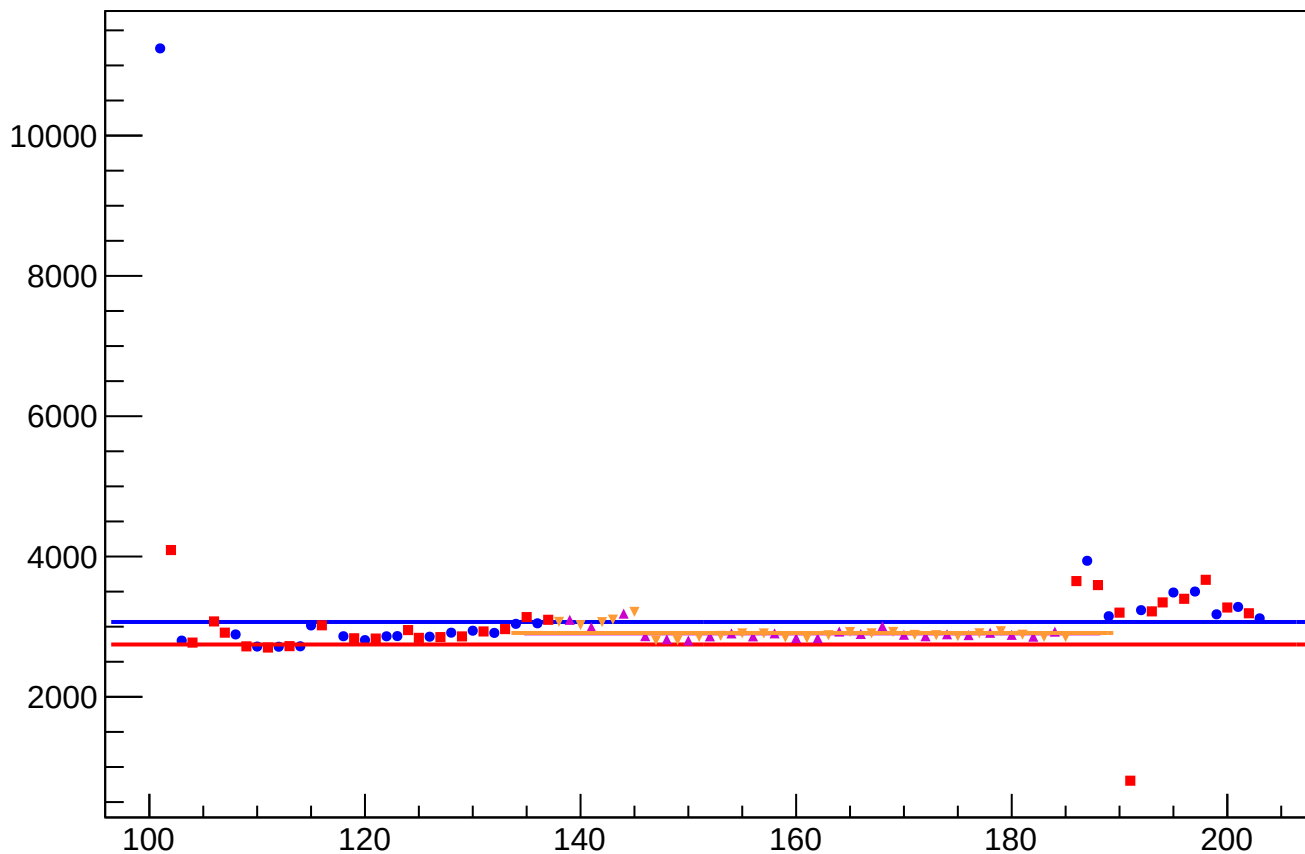
Right: 2545.258 $\pm$ 594.569 χ^2 /NDF: 41.0/52

In: 2668.825 $\pm$ 550.503 χ^2 /NDF: 58.2/47

Out: 2840.802 $\pm$ 514.906 χ^2 /NDF: 58.4/52

All: 2760.553 $\pm$ 376.049 χ^2 /NDF: 116.6/100

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3067.047+/-0.641 χ^2/NDF : 767525.7/24

Left Out: 2910.362+/-0.481 χ^2/NDF :36080.5/24

Right Out: 2746.235+/-0.557 χ^2/NDF : 2426296.9/27

Left In: 2904.499+/-0.490 χ^2/NDF :30423.1/22

Left: 2907.485+/-0.343 χ^2/NDF : 66576.4/47

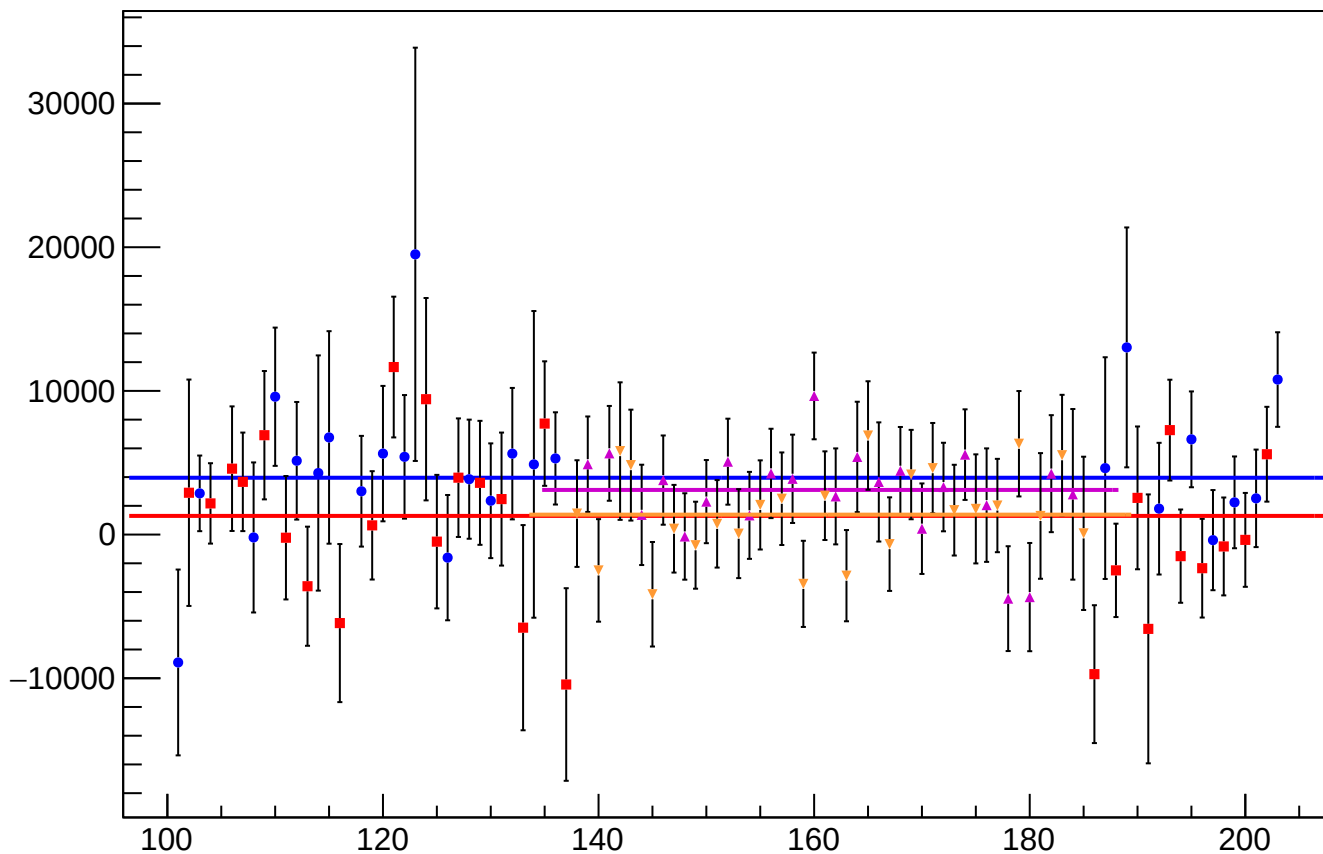
Right: 2884.394+/-0.420 χ^2/NDF : 3336590.9/52

In: 2964.509+/-0.389 χ^2/NDF :838557.4/47

Out: 2840.279+/-0.364 χ^2/NDF :2512095.7/52

All: 2898.248+/-0.266 χ^2/NDF : 3404977.3/10

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3955.261 $\pm$ 855.166 χ^2 /NDF: 18.3/24

Left Out: 1386.275 $\pm$ 684.647 χ^2 /NDF:18.0/24

Right Out: 1299.272 $\pm$ 782.557 χ^2 /NDF: 33.8/27

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

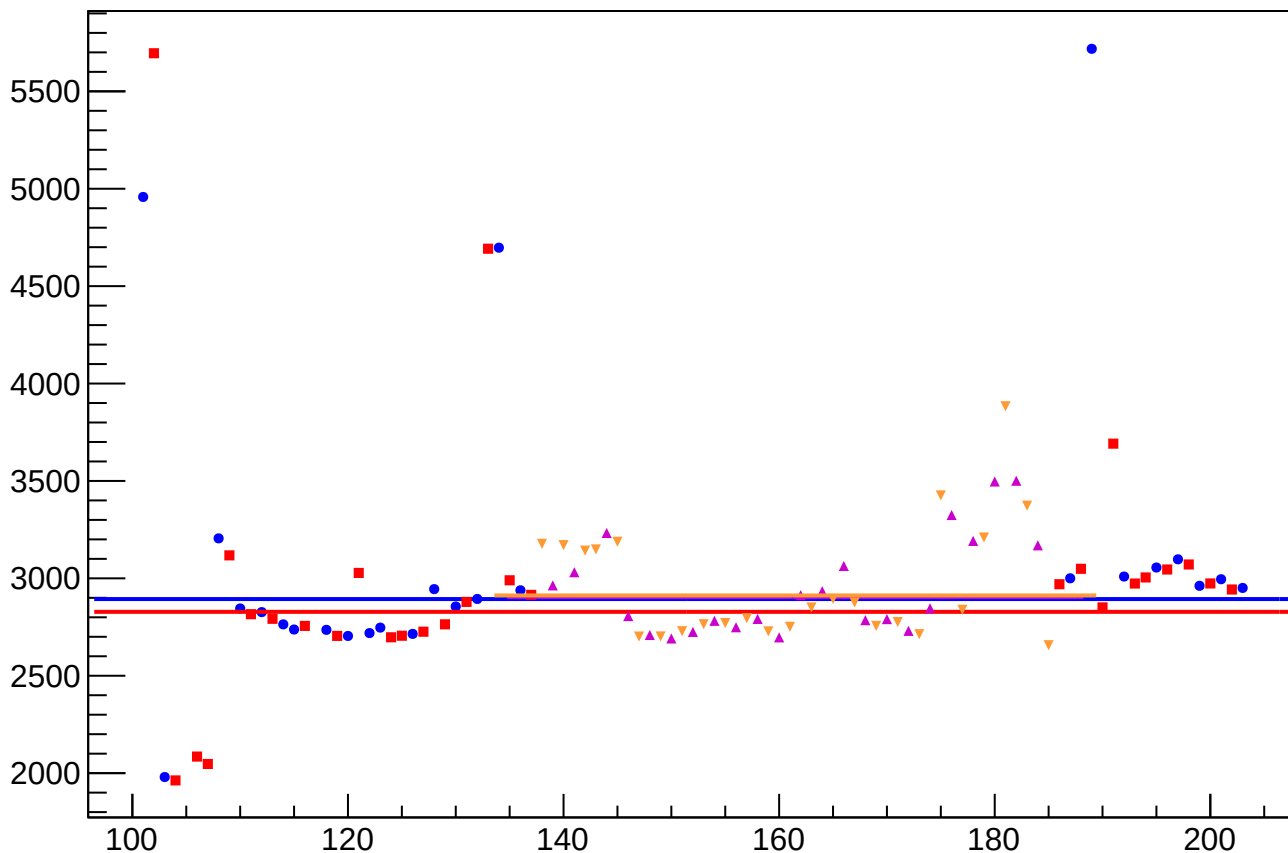
Right: 2509.743 $\pm$ 577.317 χ^2 /NDF: 57.4/52

In: 3444.739 $\pm$ 539.664 χ^2 /NDF:37.3/47

Out: 1348.554 $\pm$ 515.279 χ^2 /NDF:51.8/52

All: 2348.218 $\pm$ 372.680 χ^2 /NDF: 97.0/100

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2893.667 $\pm$ 0.605 χ^2 /NDF: 770936.8/24

Left Out: 2912.211 $\pm$ 0.484 χ^2 /NDF: 290908.5/24

Right Out: 2828.045 $\pm$ 0.553 χ^2 /NDF: 839157.6/27

Left In: 2904.472 $\pm$ 0.492 χ^2 /NDF: 217578.9/22

Left: 2908.403 $\pm$ 0.345 χ^2 /NDF: 508613.1/47

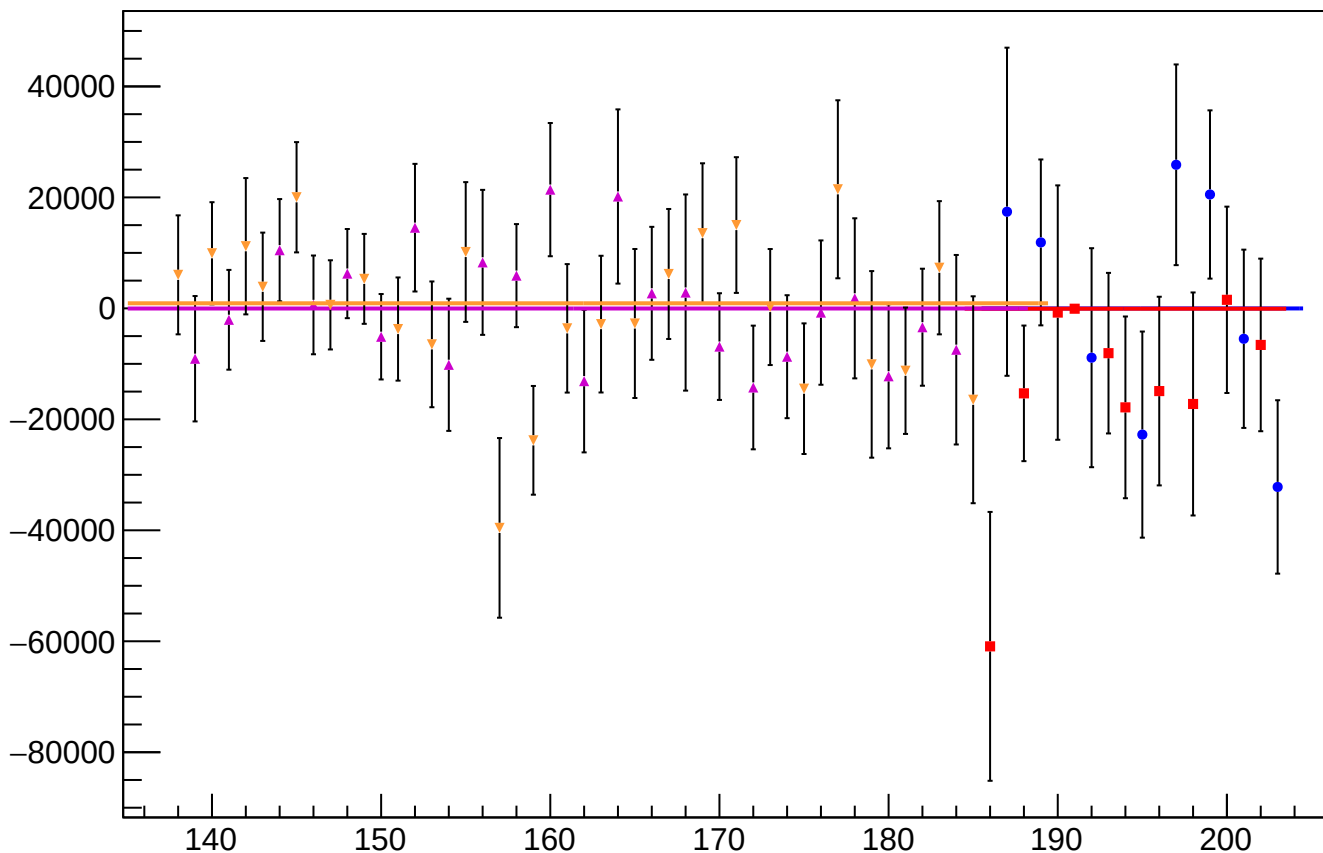
Right: 2857.946 $\pm$ 0.408 χ^2 /NDF: 1616504.9/52

In: 2900.169 $\pm$ 0.382 χ^2 /NDF: 988707.8/47

Out: 2875.712 $\pm$ 0.364 χ^2 /NDF: 1143173.2/52

All: 2887.374 $\pm$ 0.264 χ^2 /NDF: 2134029.9/100

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -12.215 ± 6147.809 $\chi^2/\text{NDF}: 10.9/7$

Left Out: 916.096 ± 2238.762 $\chi^2/\text{NDF}: 28.7/24$

Right Out: -63.037 ± 29.129 $\chi^2/\text{NDF}: 11.0/9$

Left In: -25.729 ± 2280.428 $\chi^2/\text{NDF}: 16.1/22$

Left: 453.866 ± 1597.571 $\chi^2/\text{NDF}: 44.9/47$

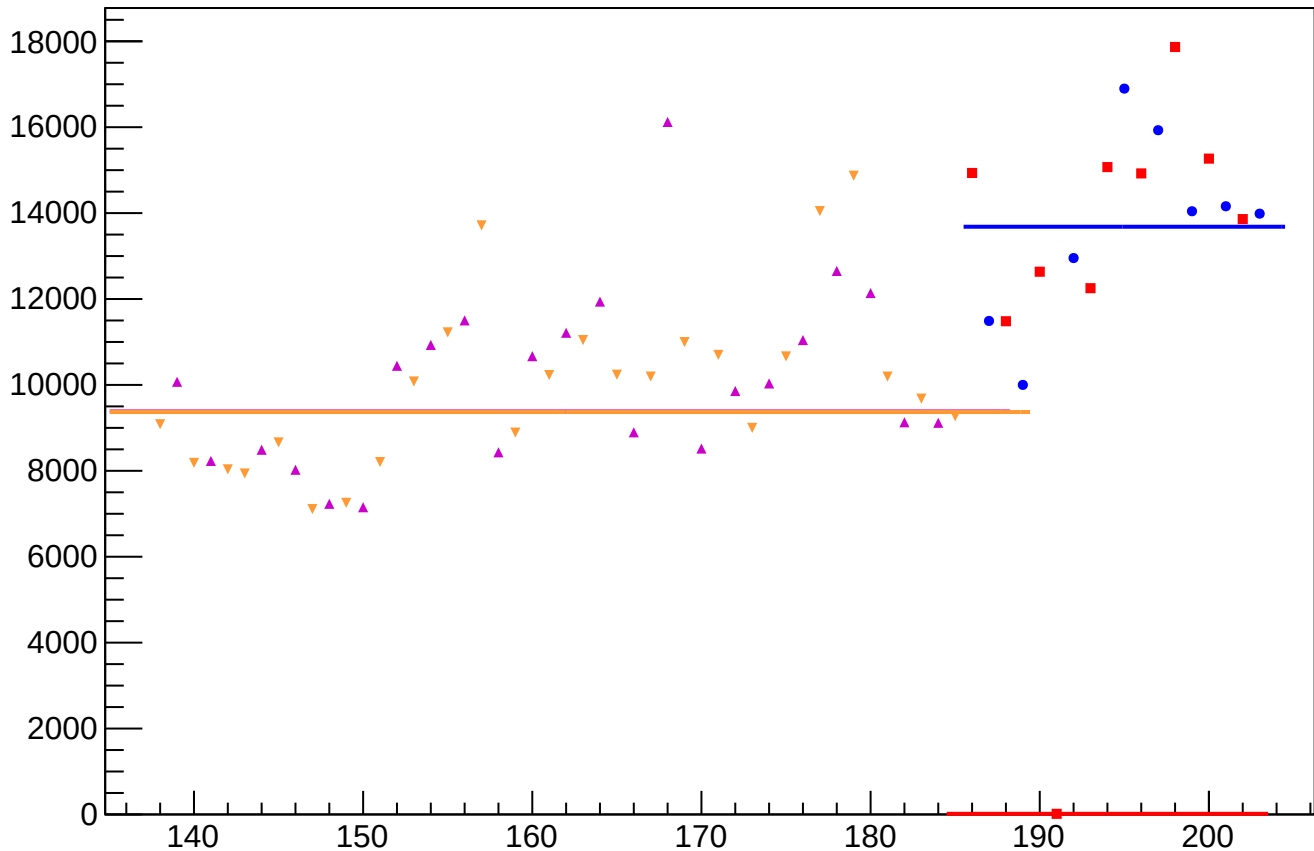
Right: -63.036 ± 29.129 $\chi^2/\text{NDF}: 21.9/17$

In: -24.094 ± 2138.076 $\chi^2/\text{NDF}: 27.0/30$

Out: -62.872 ± 29.126 $\chi^2/\text{NDF}: 39.9/34$

All: -62.864 ± 29.124 $\chi^2/\text{NDF}: 67.0/65$

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 13682.569+/-4.347 χ^2/NDF : 229535.4/7

Left Out: 9369.034+/-1.583 χ^2/NDF :1183012.4/24

Right Out: 14.818+/-0.021 χ^2/NDF : 12597762.0/9

Left In: 9382.727+/-1.613 χ^2/NDF :1205648.8/22

Left: 9375.755+/-1.130 χ^2/NDF : 2388697.9/47

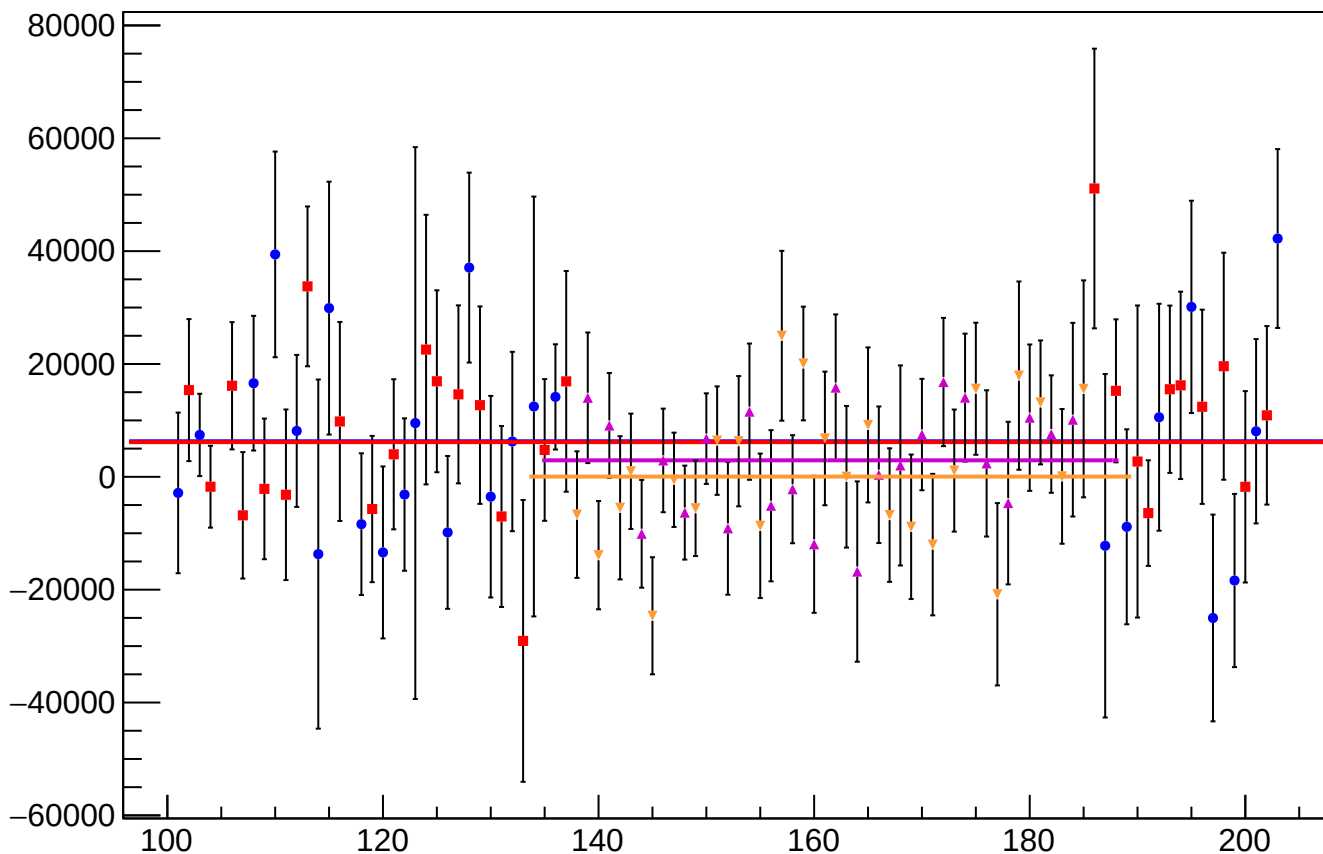
Right: 15.125+/-0.021 χ^2/NDF : 22712229.2/17

In: 9902.793+/-1.512 χ^2/NDF :2295202.9/30

Out: 16.402+/-0.021 χ^2/NDF :48691213.0/34

All: 18.236+/-0.021 χ^2/NDF : 93740614.7/65

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6295.043+/-2990.141 χ^2/NDF : 28.8/24

Left Out: 43.265+/-2290.867 χ^2/NDF : 25.9/24

Right Out: 6148.629+/-2661.491 χ^2/NDF : 21.0/27

Left In: 2925.533+/-2330.587 χ^2/NDF : 14.6/22

Left: 1459.628+/-1633.750 χ^2/NDF : 41.2/47

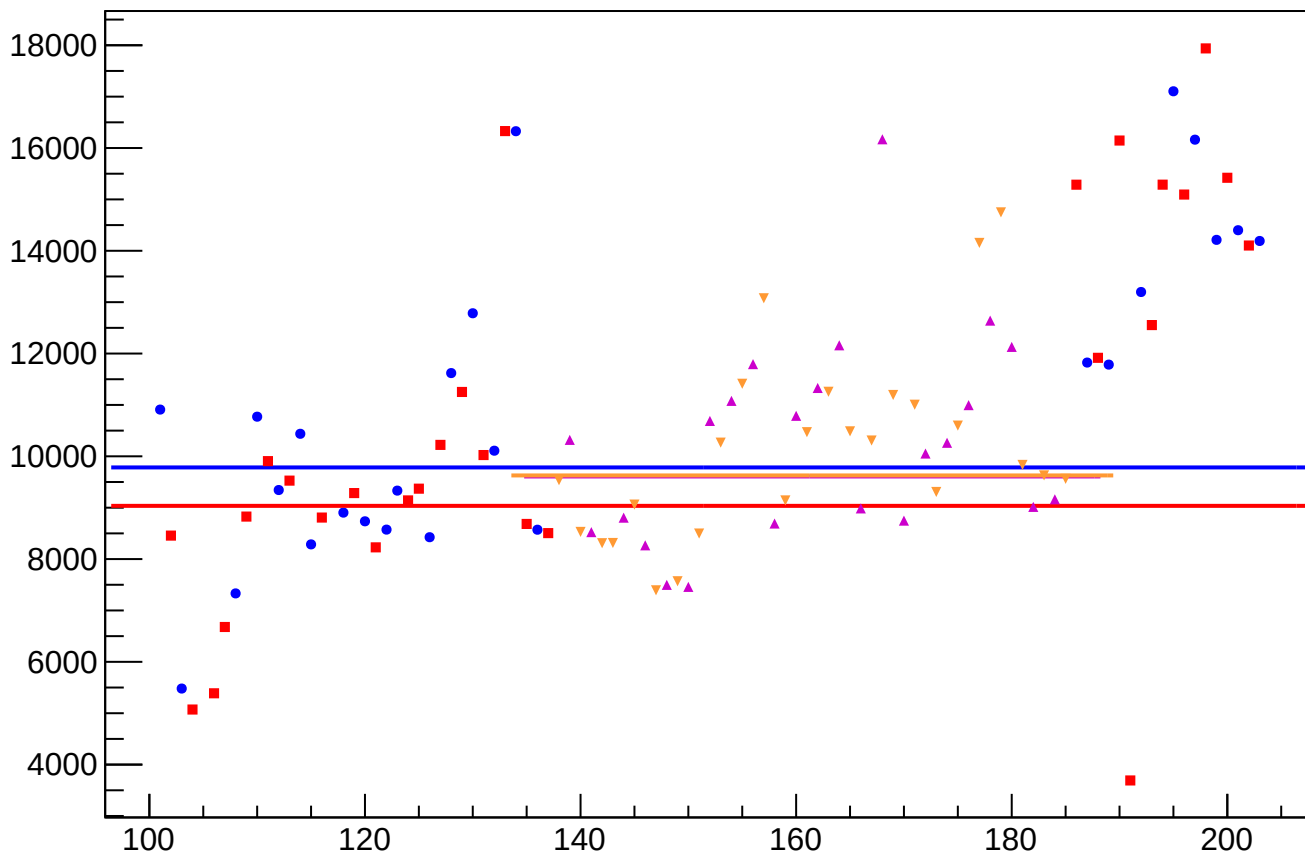
Right: 6213.350+/-1988.039 χ^2/NDF : 49.8/52

In: 4198.926+/-1838.187 χ^2/NDF : 44.2/47

Out: 2641.578+/-1736.261 χ^2/NDF : 49.9/52

All: 3375.880+/-1262.218 χ^2/NDF : 94.5/100

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9783.627+/-2.114

χ^2/NDF : 2163586.5/24

Left: 9617.863+/-1.155

χ^2/NDF : 2090184.3/47

Left Out: 9627.824+/-1.620

χ^2/NDF : 1004641.7/24

Right: 9366.358+/-1.406

χ^2/NDF : 5916027.2/52

Right Out: 9035.796+/-1.882

χ^2/NDF : 3682639.0/27

In: 9674.094+/-1.300

χ^2/NDF : 3253366.2/47

Out: 9375.860+/-1.228

χ^2/NDF : 4744128.3/52

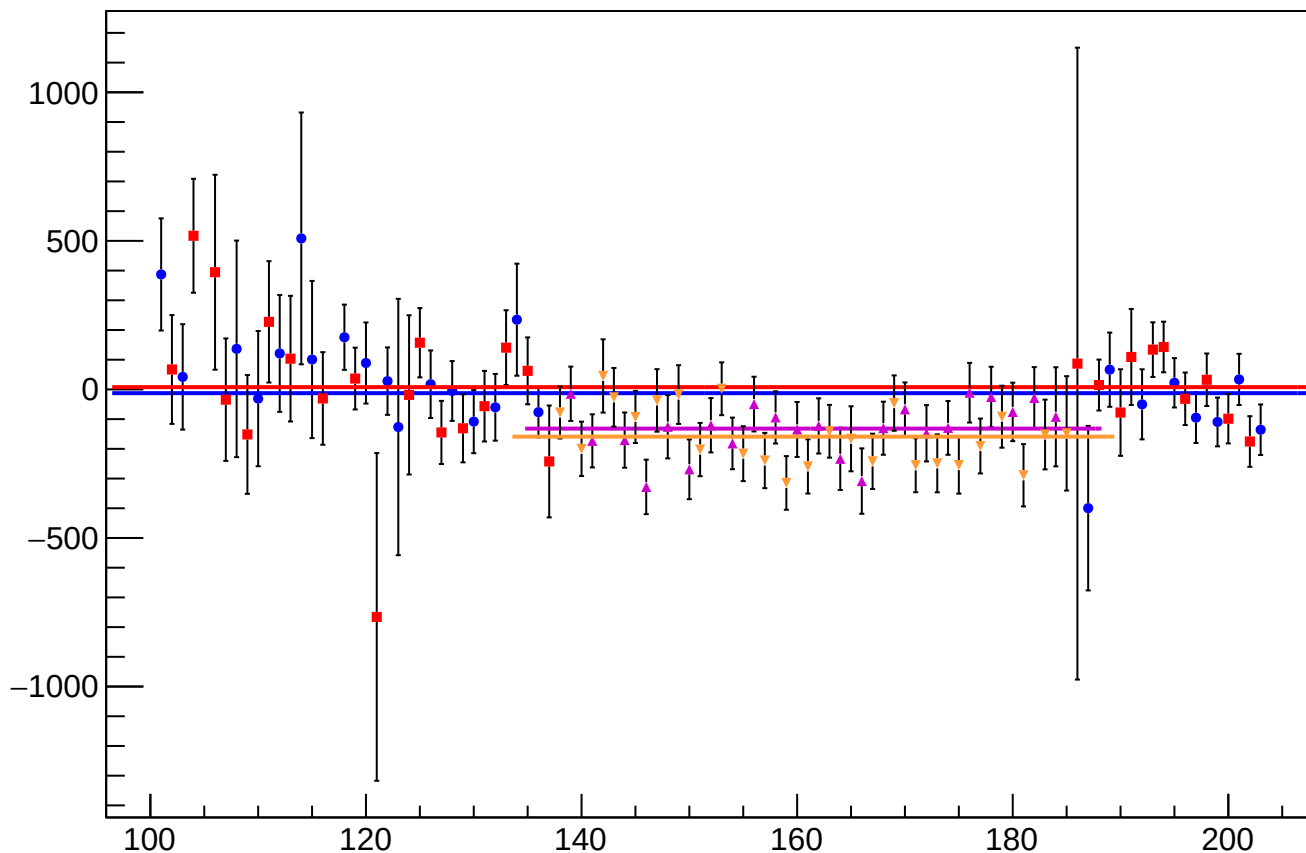
Left In: 9607.553+/-1.648

χ^2/NDF : 1085465.7/22

All: 9516.478+/-0.893

χ^2/NDF : 8025318.0/10

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -12.590 ± 24.136 $\chi^2/\text{NDF}: 21.3/24$

Left Out: -158.948 ± 19.453 $\chi^2/\text{NDF}: 25.8/24$

Right Out: 7.661 ± 23.518 $\chi^2/\text{NDF}: 32.9/27$

Left In: -131.879 ± 20.076 $\chi^2/\text{NDF}: 17.8/22$

Left: -145.840 ± 13.970 $\chi^2/\text{NDF}: 44.5/47$

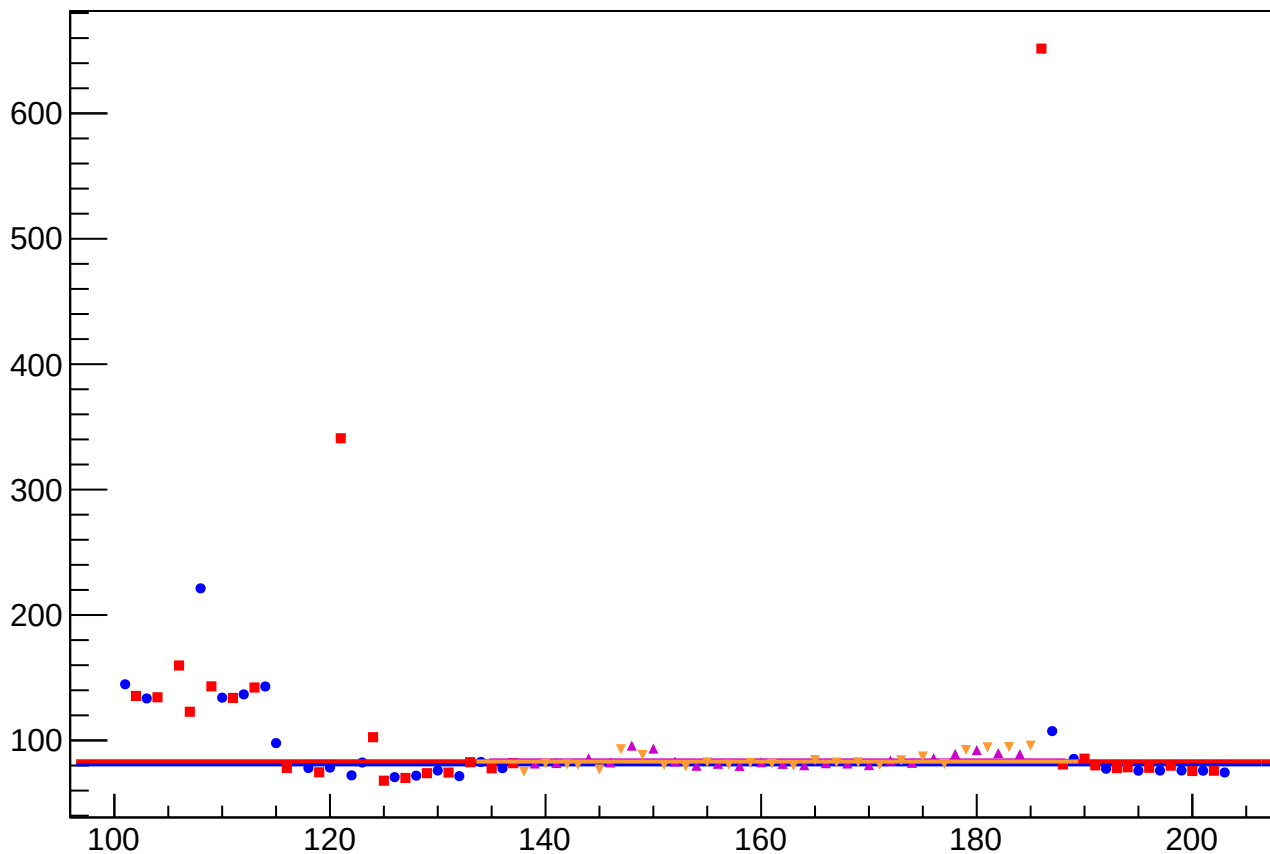
Right: -2.202 ± 16.844 $\chi^2/\text{NDF}: 54.6/52$

In: -83.096 ± 15.434 $\chi^2/\text{NDF}: 53.5/47$

Out: -91.265 ± 14.990 $\chi^2/\text{NDF}: 88.5/52$

All: -87.300 ± 10.753 $\chi^2/\text{NDF}: 142.2/100$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.891+/-0.017 χ^2/NDF : 1151842.6/24

Left Out: 83.126+/-0.014 χ^2/NDF :138741.0/24

Right Out: 83.396+/-0.017 χ^2/NDF : 2131605.4/27

Left In: 84.108+/-0.014 χ^2/NDF :96934.3/22

Left: 83.602+/-0.010 χ^2/NDF : 238144.0/47

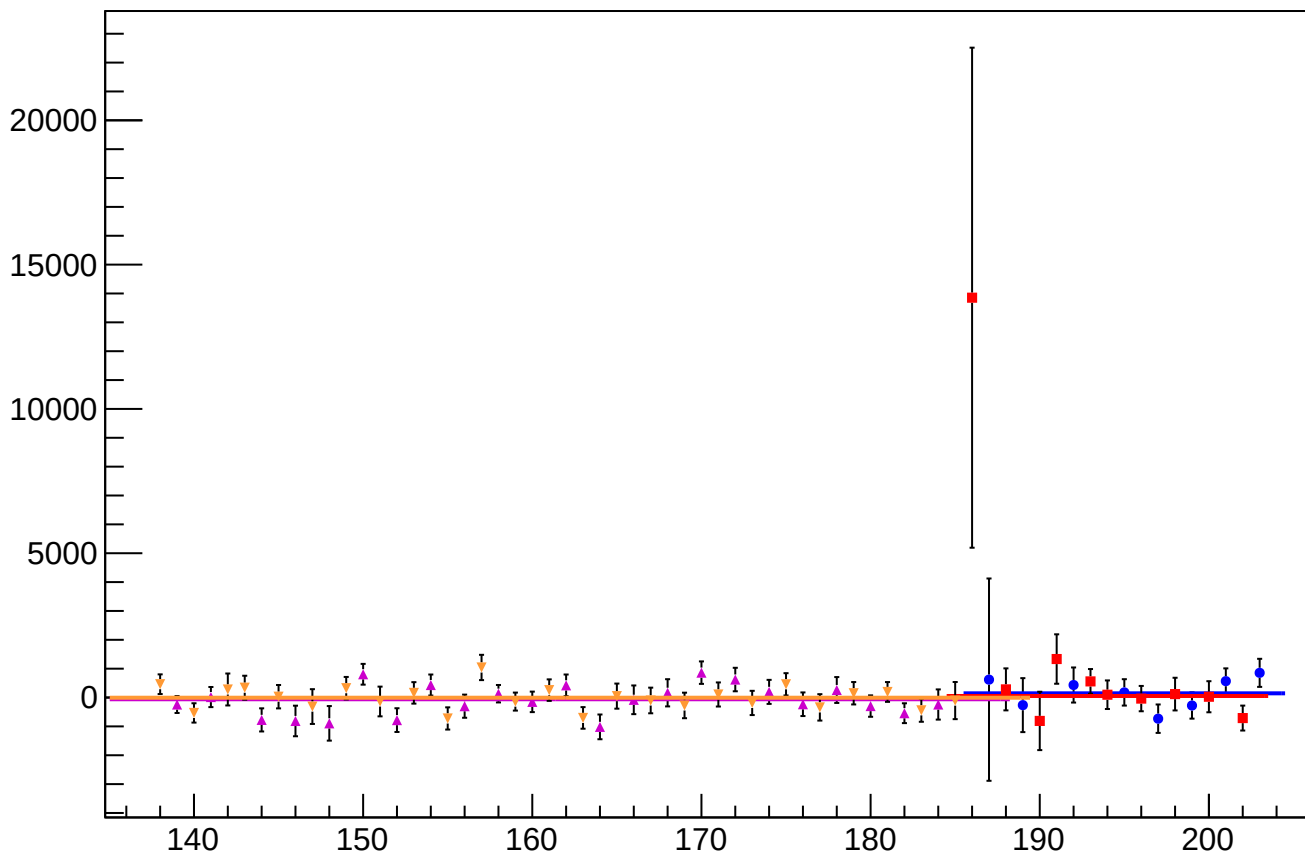
Right: 82.176+/-0.012 χ^2/NDF : 3294502.3/52

In: 82.793+/-0.011 χ^2/NDF :1269782.5/47

Out: 83.236+/-0.011 χ^2/NDF :2270503.1/52

All: 83.021+/-0.008 χ^2/NDF : 3541134.7/100

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 145.741+/-192.370 χ^2/NDF : 7.5/7

Left Out: -6.627+/-81.138 χ^2/NDF :24.4/24

Right Out: 53.464+/-179.885 χ^2/NDF : 10.2/9

Left In: -59.971+/-82.046 χ^2/NDF :38.0/22

Left: -33.002+/-57.692 χ^2/NDF : 62.6/47

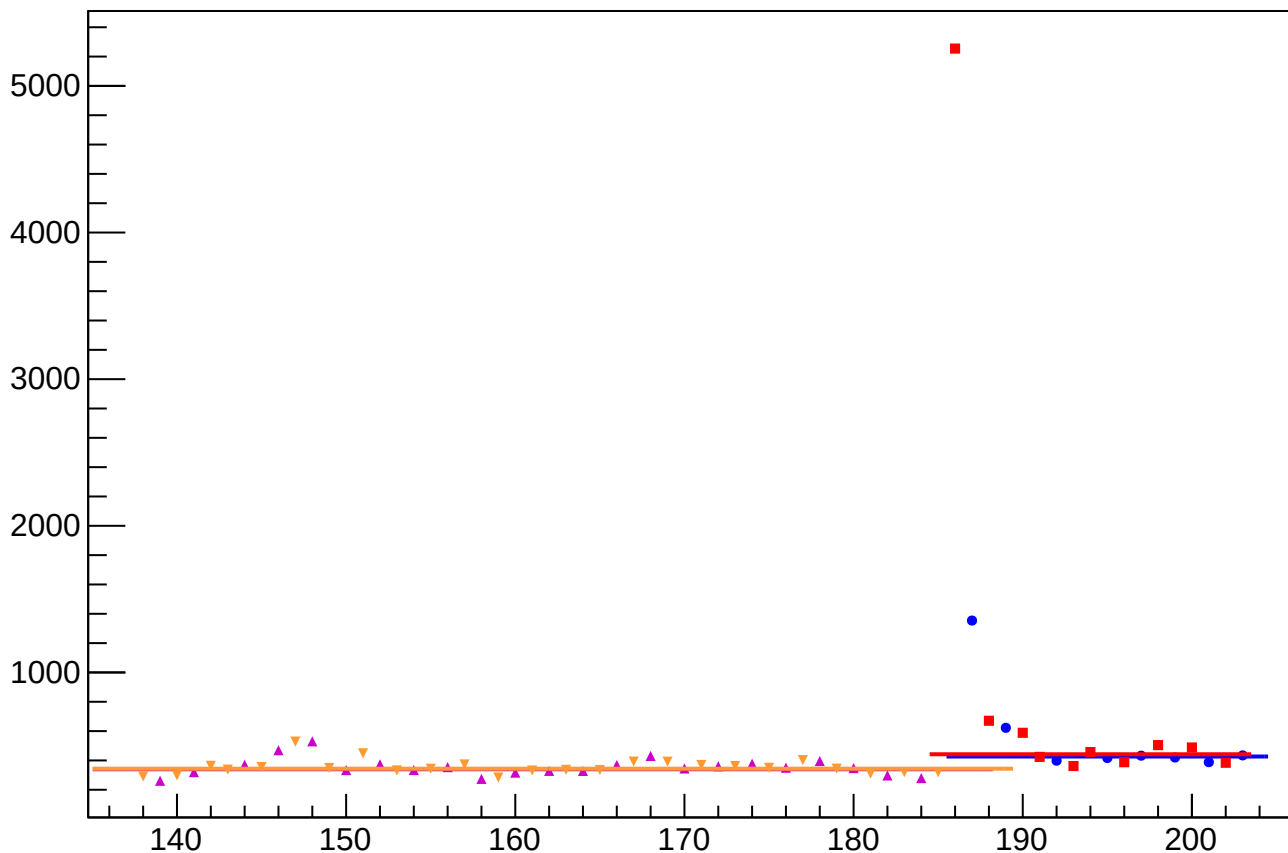
Right: 96.511+/-131.390 χ^2/NDF : 17.9/17

In: -28.311+/-75.469 χ^2/NDF :46.5/30

Out: 3.531+/-73.962 χ^2/NDF :34.7/34

All: -12.069+/-52.824 χ^2/NDF : 81.2/65

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 426.707 $\pm$ 0.136 χ^2 /NDF: 249464.5/7

Left Out: 343.620 $\pm$ 0.057 χ^2 /NDF: 571090.7/24

Right Out: 442.079 $\pm$ 0.127 χ^2 /NDF: 1035013.2/9

Left In: 339.804 $\pm$ 0.058 χ^2 /NDF: 799750.5/22

Left: 341.733 $\pm$ 0.041 χ^2 /NDF: 1373028.9/47

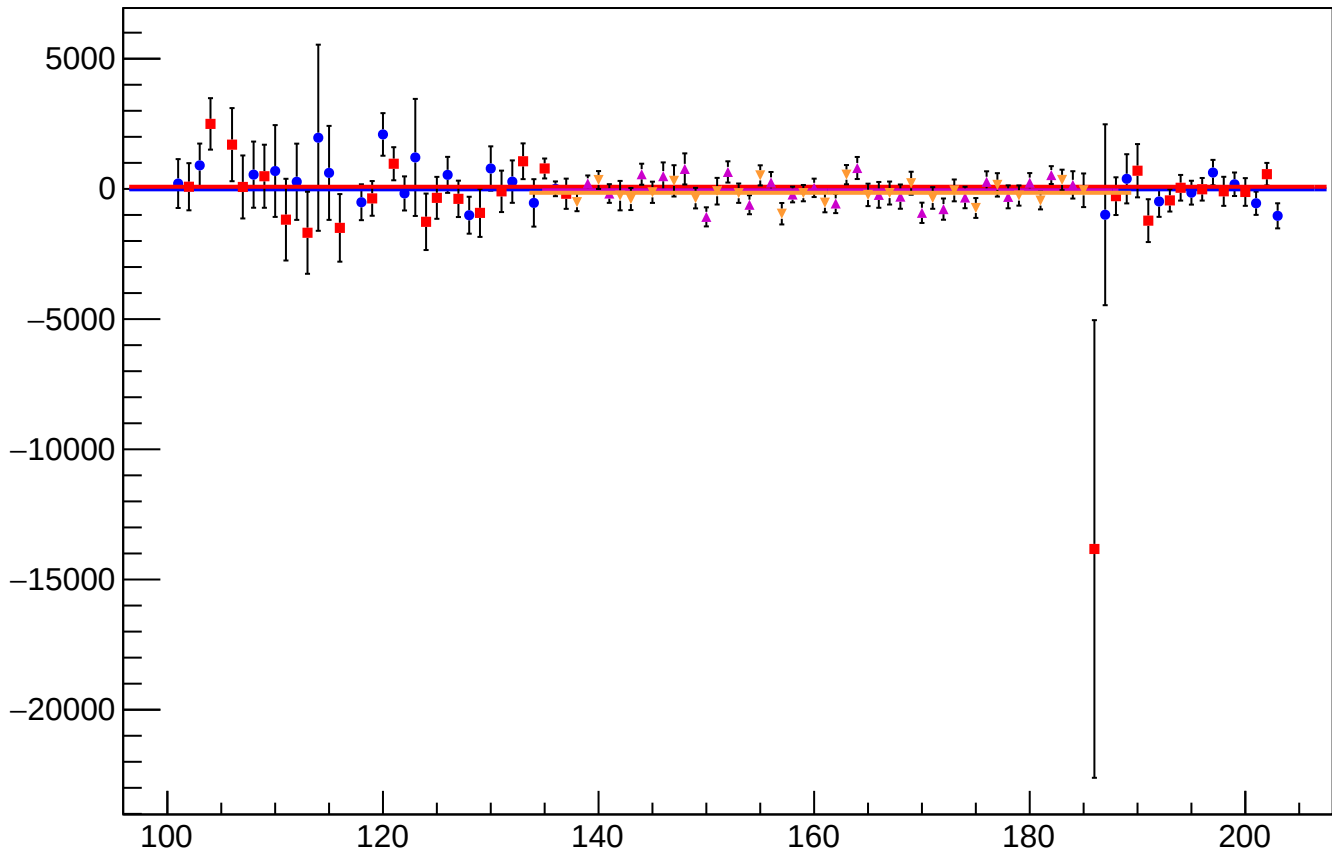
Right: 434.908 $\pm$ 0.093 χ^2 /NDF: 1291291.6/17

In: 353.179 $\pm$ 0.053 χ^2 /NDF: 1394549.2/30

Out: 360.265 $\pm$ 0.052 χ^2 /NDF: 2103986.5/34

All: 356.793 $\pm$ 0.037 χ^2 /NDF: 3507530.5/65

asym_sam1_mean vs Slug, Sign Corrected



Right In: -16.348 ± 130.862 χ^2/NDF : 22.4/24

Left Out: -148.809 ± 81.017 χ^2/NDF : 22.0/24

Right Out: 83.029 ± 128.350 χ^2/NDF : 30.9/27

Left In: -56.402 ± 82.155 χ^2/NDF : 39.7/22

Left: -103.250 ± 57.686 χ^2/NDF : 62.3/47

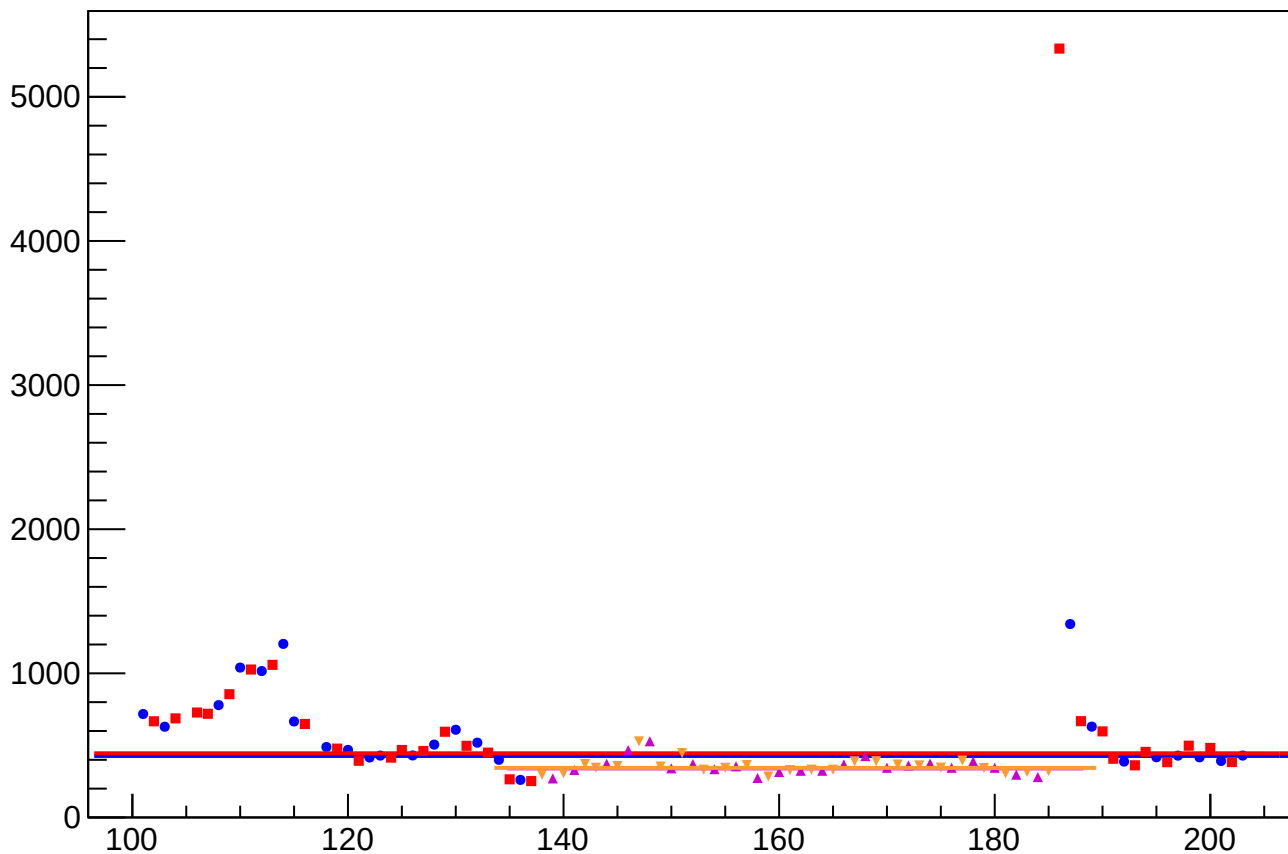
Right: 34.303 ± 91.632 χ^2/NDF : 53.6/52

In: -45.078 ± 69.580 χ^2/NDF : 62.1/47

Out: -82.755 ± 68.510 χ^2/NDF : 55.3/52

All: -64.208 ± 48.818 χ^2/NDF : 117.5/100

asym_sam1_rms vs Slug, Sign Corrected



Right In: 426.968+/-0.093 χ^2/NDF : 2266949.2/24

Left Out: 343.762+/-0.057 χ^2/NDF : 539246.3/24

Right Out: 445.089+/-0.091 χ^2/NDF : 3071720.4/27

Left In: 340.519+/-0.058 χ^2/NDF : 737049.6/22

Left: 342.163+/-0.041 χ^2/NDF : 1277875.5/47

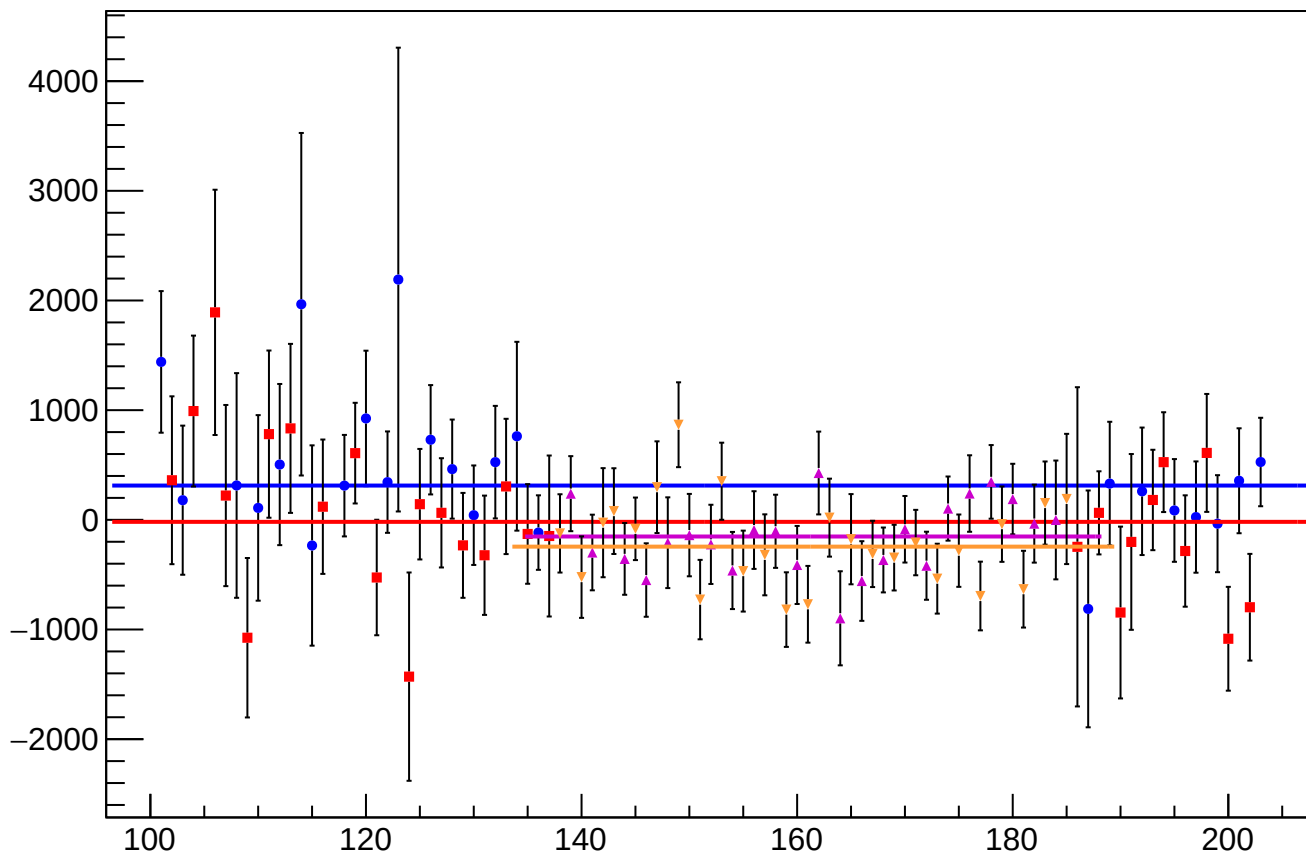
Right: 436.204+/-0.065 χ^2/NDF : 5358216.9/52

In: 364.959+/-0.049 χ^2/NDF : 3630054.8/47

Out: 372.632+/-0.048 χ^2/NDF : 4502310.6/52

All: 368.855+/-0.035 χ^2/NDF : 8144713.6/100

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 312.518 ± 110.976 $\chi^2/\text{NDF}: 12.2/24$

Left Out: -244.459 ± 70.636 $\chi^2/\text{NDF}: 28.9/24$

Right Out: -18.404 ± 108.587 $\chi^2/\text{NDF}: 28.0/27$

Left In: -152.030 ± 72.312 $\chi^2/\text{NDF}: 18.2/22$

Left: -199.328 ± 50.529 $\chi^2/\text{NDF}: 47.9/47$

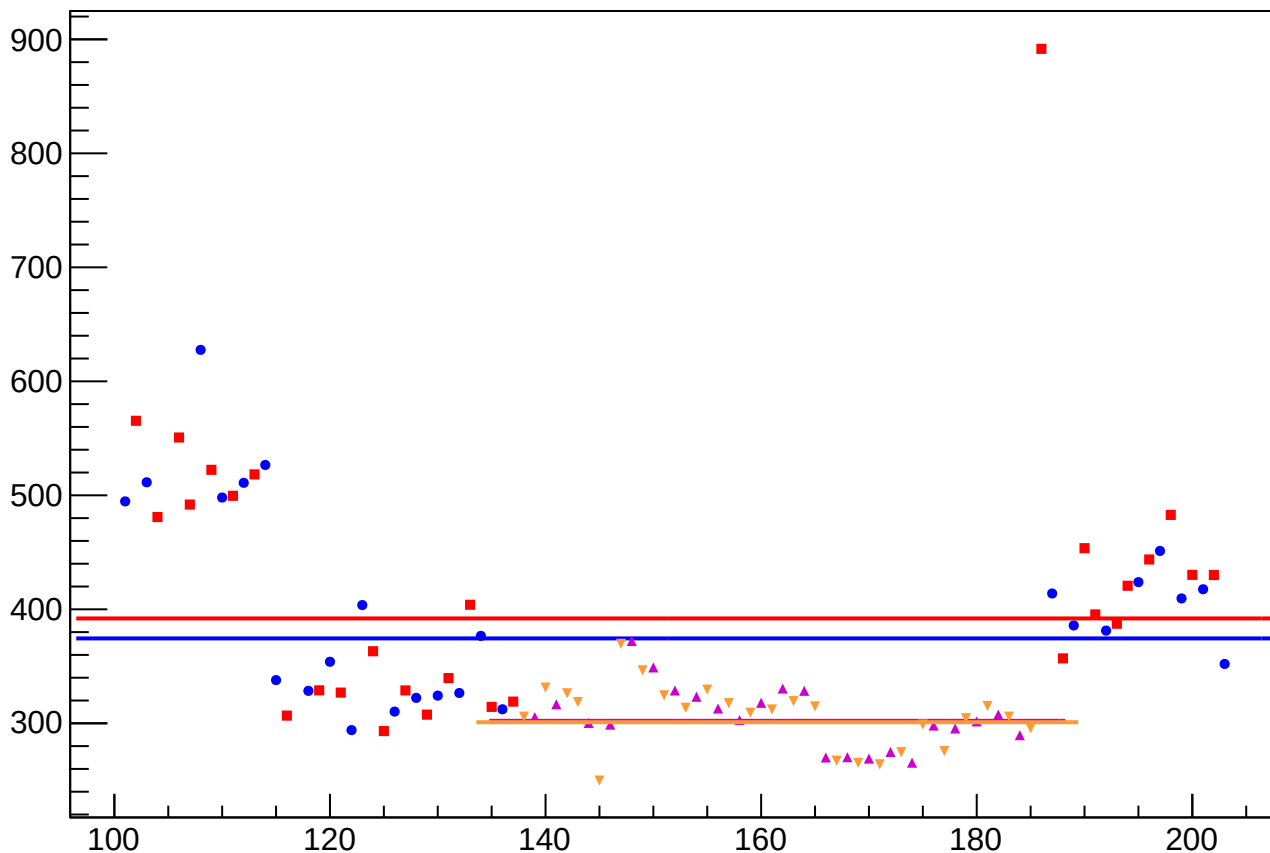
Right: 143.456 ± 77.613 $\chi^2/\text{NDF}: 44.8/52$

In: -13.576 ± 60.585 $\chi^2/\text{NDF}: 42.7/47$

Out: -177.244 ± 59.211 $\chi^2/\text{NDF}: 60.0/52$

All: -97.287 ± 42.346 $\chi^2/\text{NDF}: 106.4/100$

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 374.471 ± 0.078 χ^2/NDF : 764701.5/24

Left Out: 300.961 ± 0.050 χ^2/NDF : 322200.5/24

Right Out: 392.002 ± 0.077 χ^2/NDF : 1117625.8/27

Left In: 302.180 ± 0.051 χ^2/NDF : 247468.9/22

Left: 301.556 ± 0.036 χ^2/NDF : 569960.3/47

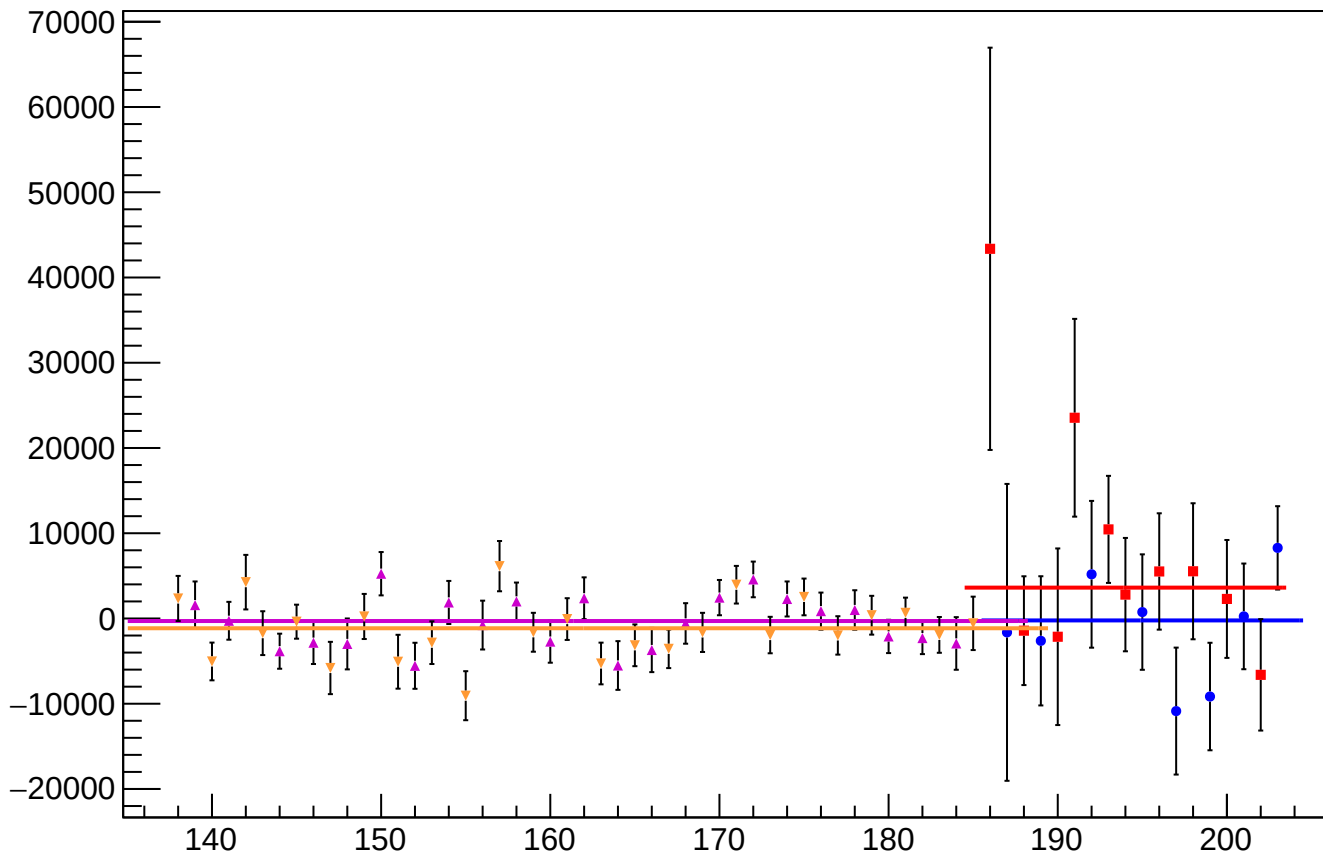
Right: 383.427 ± 0.055 χ^2/NDF : 1907825.8/52

In: 323.725 ± 0.043 χ^2/NDF : 1607907.2/47

Out: 328.031 ± 0.042 χ^2/NDF : 2427698.5/52

All: 325.927 ± 0.030 χ^2/NDF : 4040771.2/100

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -227.522+/-2446.610 χ^2/NDF : 7.6/7

Left Out: -1146.466+/-479.950 χ^2/NDF : 41.3/24

Right Out: 3619.809+/-2407.140 χ^2/NDF : 10.5/9

Left In: -298.915+/-491.476 χ^2/NDF : 35.0/22

Left: -732.745+/-343.379 χ^2/NDF : 77.8/47

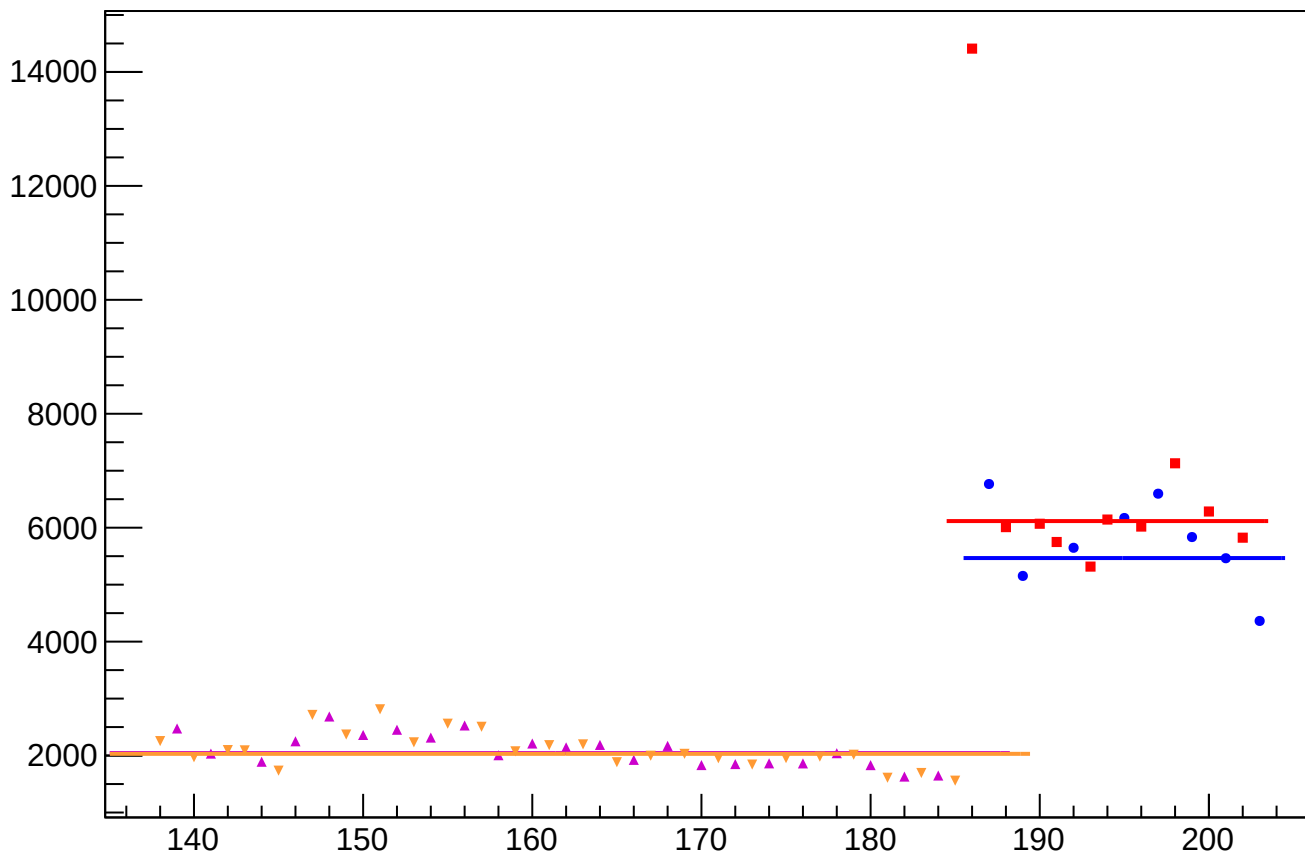
Right: 1727.428+/-1715.890 χ^2/NDF : 19.4/17

In: -296.146+/-481.850 χ^2/NDF : 42.6/30

Out: -964.229+/-470.686 χ^2/NDF : 55.6/34

All: -638.017+/-336.703 χ^2/NDF : 99.1/65

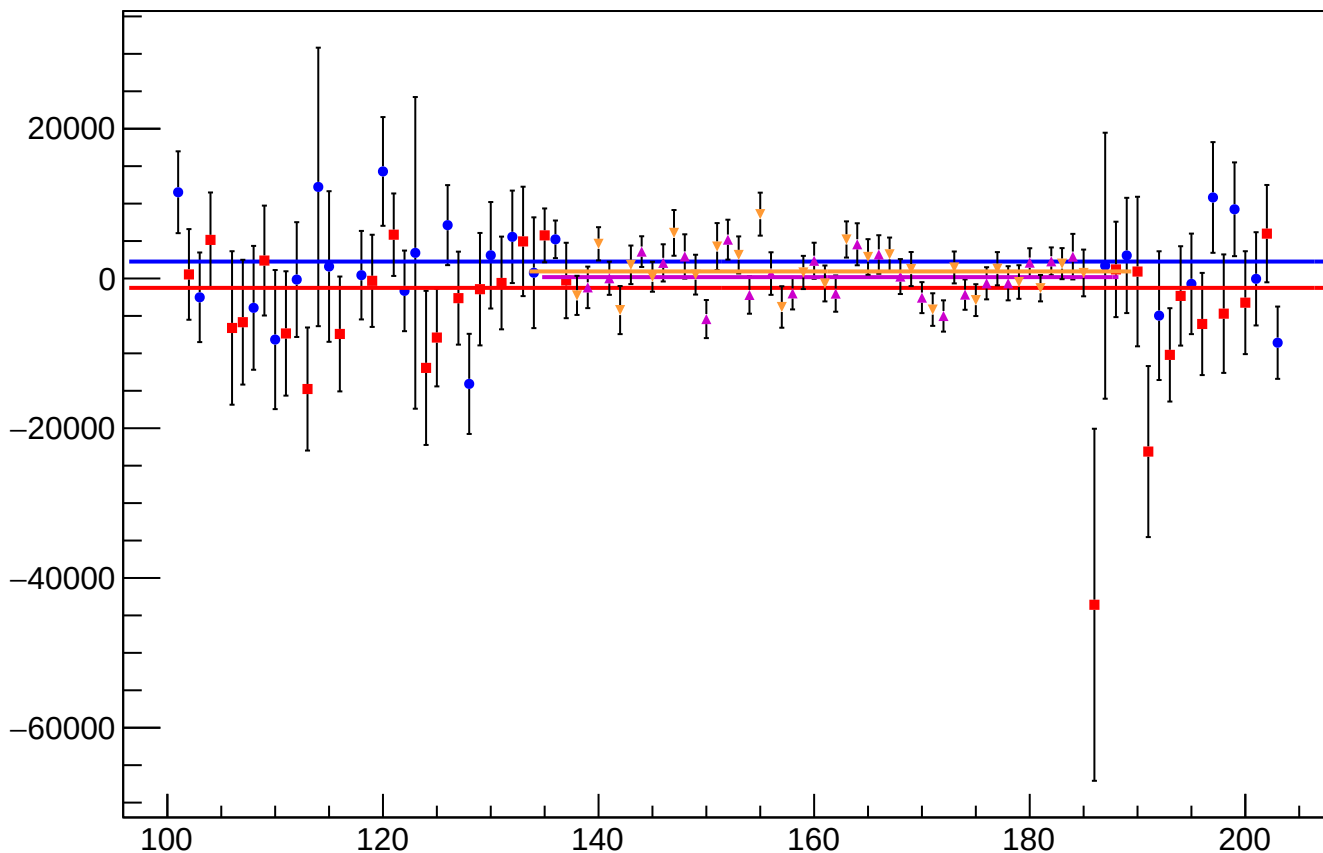
asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 5466.937 $\pm$ 1.730 χ^2 /NDF: 191857.7/7
 Left Out: 2030.179 $\pm$ 0.339 χ^2 /NDF: 702523.9/24
 Right Out: 6116.183 $\pm$ 1.702 χ^2 /NDF: 319985.0/9
 Left In: 2044.056 $\pm$ 0.348 χ^2 /NDF: 570535.5/22

Left: 2036.953 $\pm$ 0.243 χ^2 /NDF: 1273875.5/47
 Right: 5796.839 $\pm$ 1.213 χ^2 /NDF: 583406.8/17
 In: 2176.822 $\pm$ 0.341 χ^2 /NDF: 4525126.7/30
 Out: 2186.407 $\pm$ 0.333 χ^2 /NDF: 6564857.6/34
 All: 2181.727 $\pm$ 0.238 χ^2 /NDF: 11090389.2/6

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2260.079+/-1240.148 χ^2/NDF : 26.3/24

Left Out: 942.775+/-474.439 χ^2/NDF : 38.3/24

Right Out: -1255.624+/-1276.757 χ^2/NDF : 25.4/27

Left In: 180.087+/-486.112 χ^2/NDF : 32.9/22

Left: 570.698+/-339.531 χ^2/NDF : 72.5/47

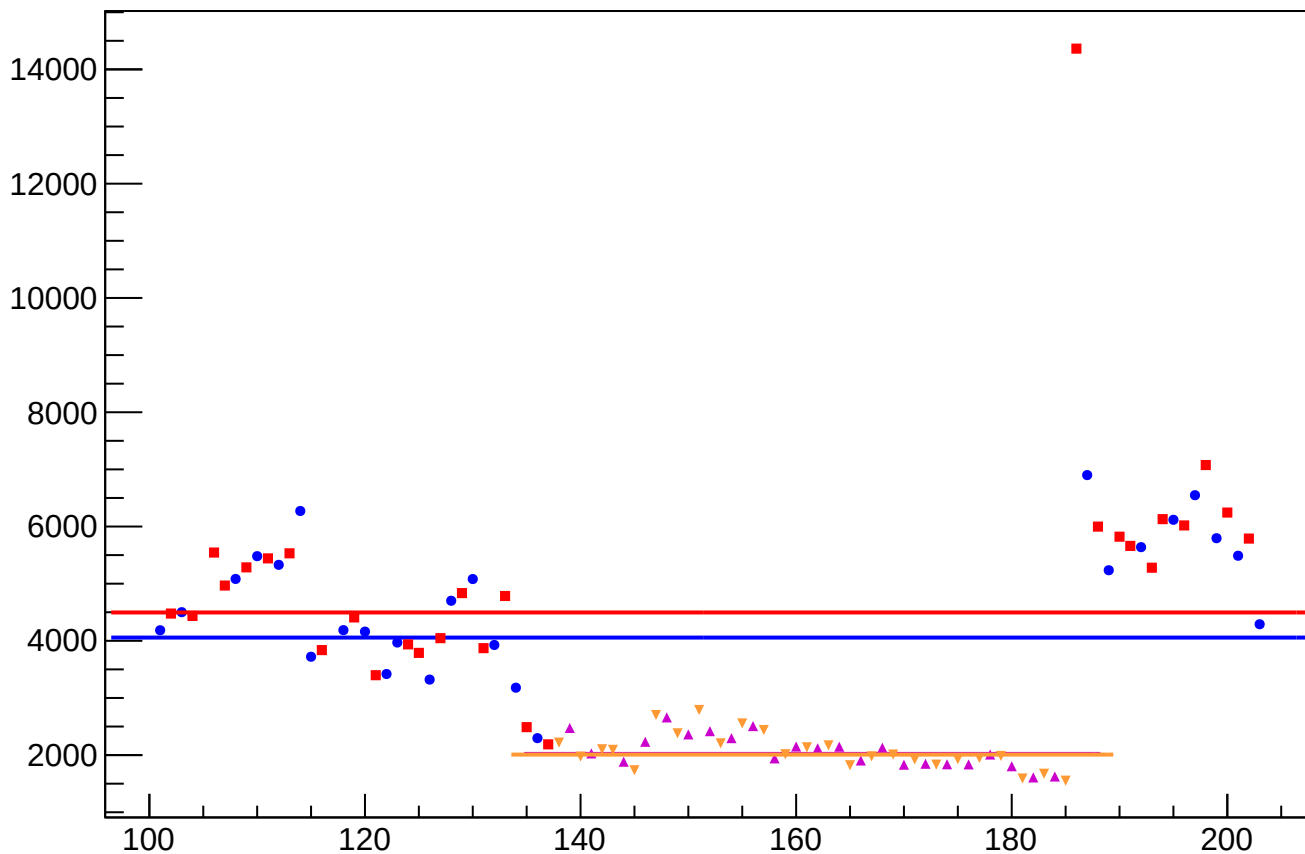
Right: 553.353+/-889.578 χ^2/NDF : 55.6/52

In: 457.109+/-452.584 χ^2/NDF : 61.6/47

Out: 676.042+/-444.727 χ^2/NDF : 66.3/52

All: 568.493+/-317.211 χ^2/NDF : 128.1/100

asym_sam2_rms vs Slug, Sign Corrected



Right In: 4056.857 $\pm$ 0.877 χ^2 /NDF: 2160322.2/24

Left Out: 2008.897 $\pm$ 0.335 χ^2 /NDF: 709254.4/24

Right Out: 4496.131 $\pm$ 0.903 χ^2 /NDF: 2506880.1/27

Left In: 2020.887 $\pm$ 0.344 χ^2 /NDF: 576363.5/22

Left: 2014.747 $\pm$ 0.240 χ^2 /NDF: 1286241.1/47

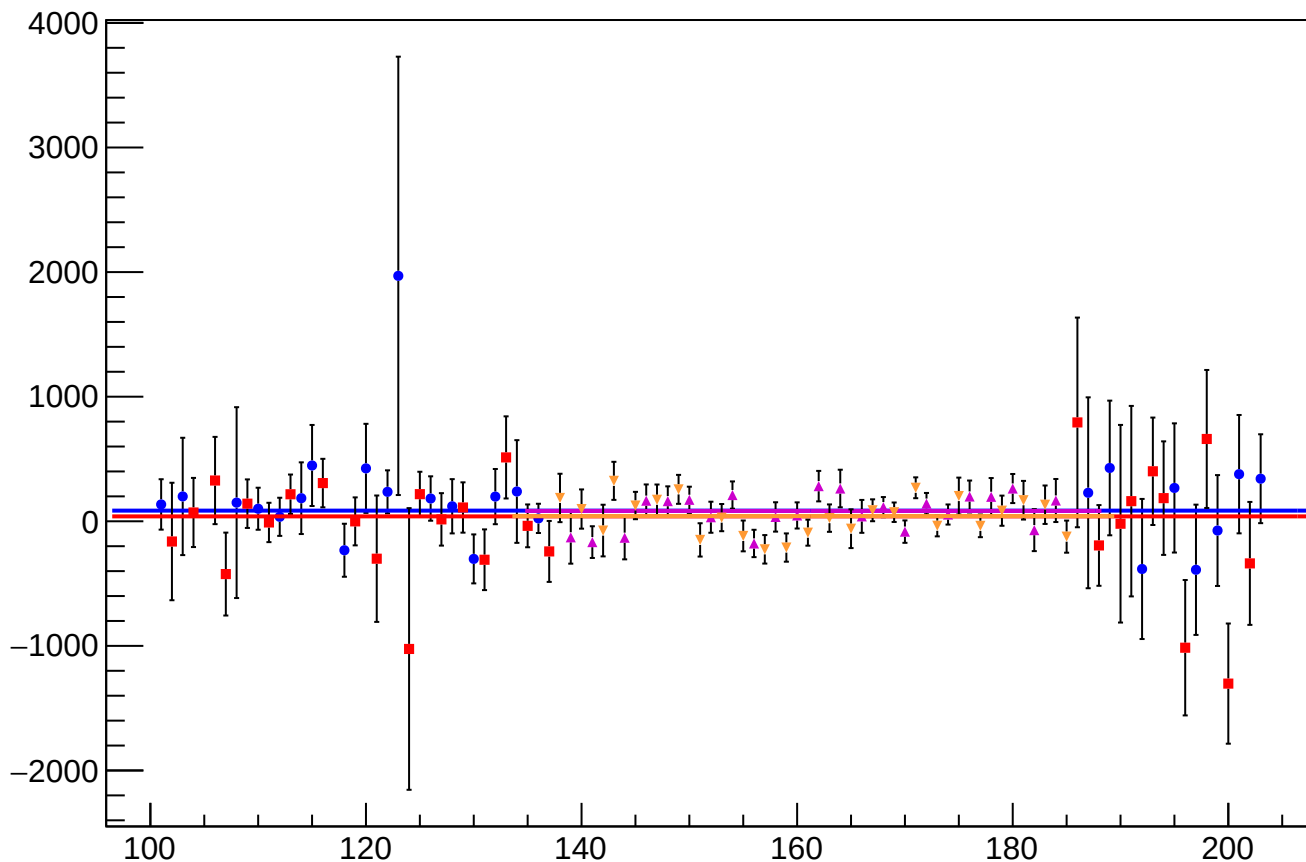
Right: 4270.106 $\pm$ 0.629 χ^2 /NDF: 4789018.4/52

In: 2292.046 $\pm$ 0.320 χ^2 /NDF: 7409220.5/47

Out: 2310.674 $\pm$ 0.314 χ^2 /NDF: 9885312.9/52

All: 2301.523 $\pm$ 0.224 χ^2 /NDF: 17296257.4/100

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 85.559 $\pm$ 49.742 χ^2 /NDF: 14.6/24

Left Out: 41.847 $\pm$ 23.035 χ^2 /NDF:39.1/24

Right Out: 39.305 $\pm$ 50.427 χ^2 /NDF: 30.0/27

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

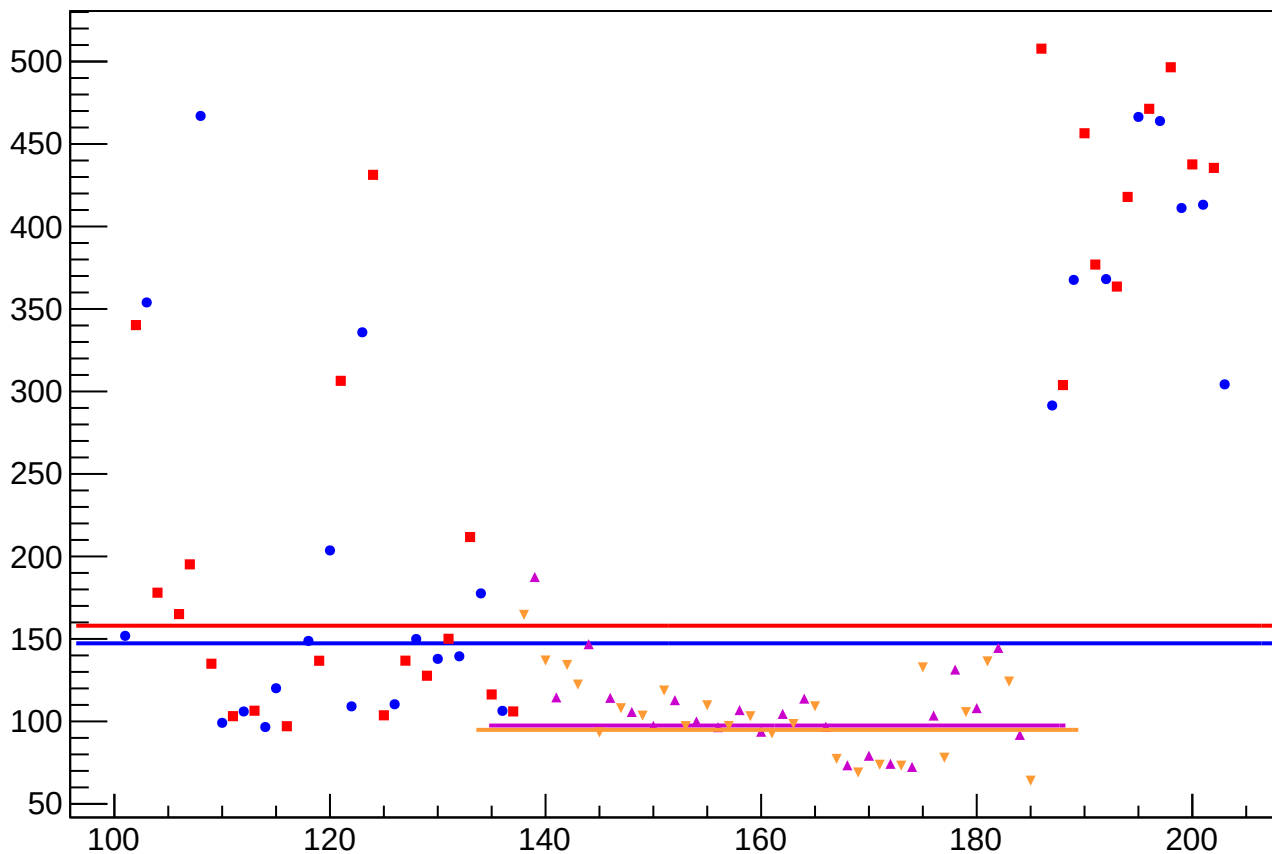
Right: 62.749 $\pm$ 35.413 χ^2 /NDF: 45.0/52

In: 83.189 $\pm$ 21.728 χ^2 /NDF:43.2/47

Out: 41.408 $\pm$ 20.953 χ^2 /NDF:69.1/52

All: 61.540 $\pm$ 15.082 χ^2 /NDF: 114.2/100

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 147.326 $\pm$ 0.035 χ^2/NDF : 5557760.5/24

Left Out: 94.886 $\pm$ 0.016 χ^2/NDF :1796861.0/24

Right Out: 158.013 $\pm$ 0.036 χ^2/NDF : 6857294.8/27

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

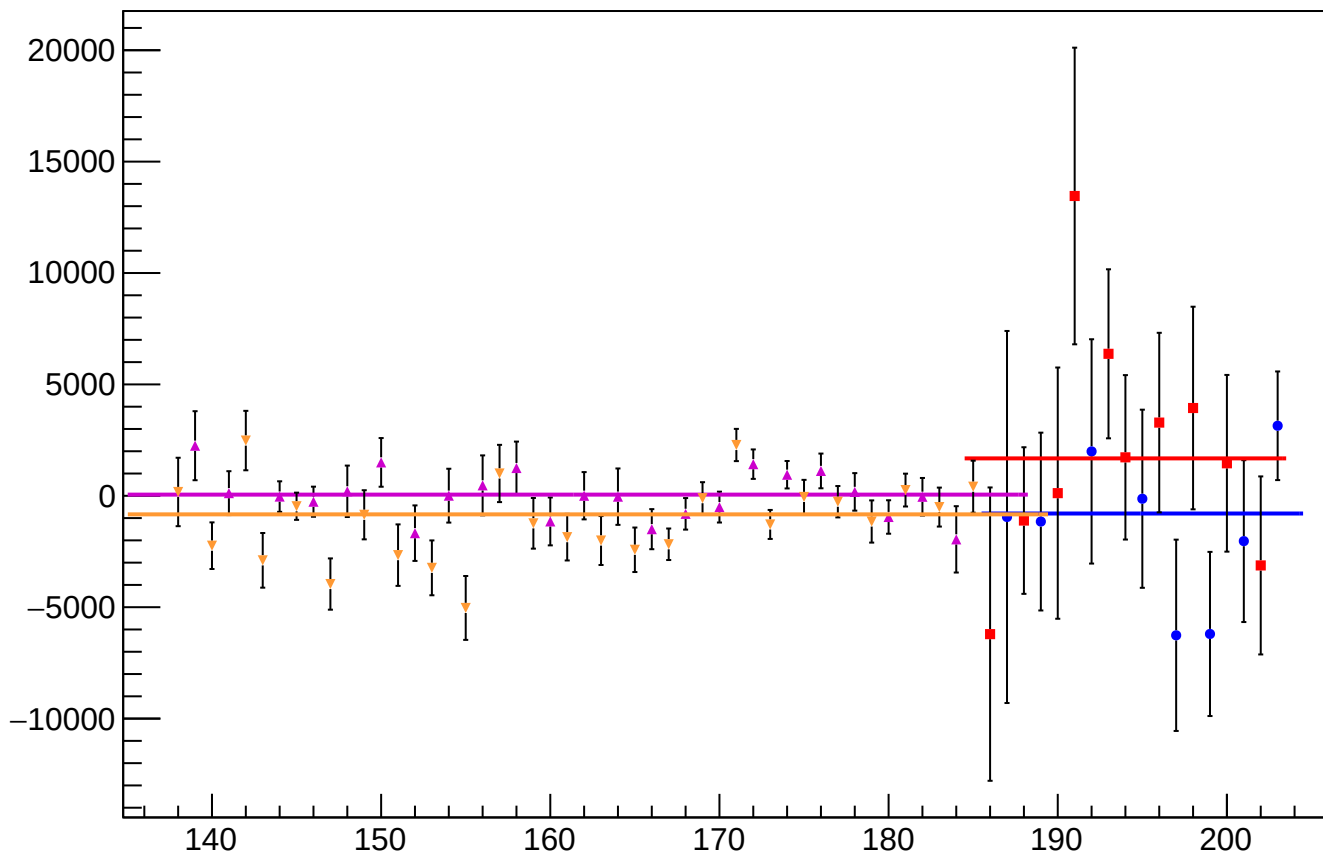
Right: 152.596 $\pm$ 0.025 χ^2/NDF : 12460579.6/52

In: 107.006 $\pm$ 0.015 χ^2/NDF :8743070.1/47

Out: 105.785 $\pm$ 0.015 χ^2/NDF :11247224.7/52

All: 106.373 $\pm$ 0.011 χ^2/NDF : 19993566.4/10

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -794.614 $\pm$ 1347.049 χ^2 /NDF: 6.8/7

Left Out: -832.580 $\pm$ 183.960 χ^2 /NDF:68.8/24

Right Out: 1679.370 $\pm$ 1350.194 χ^2 /NDF: 8.7/9

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

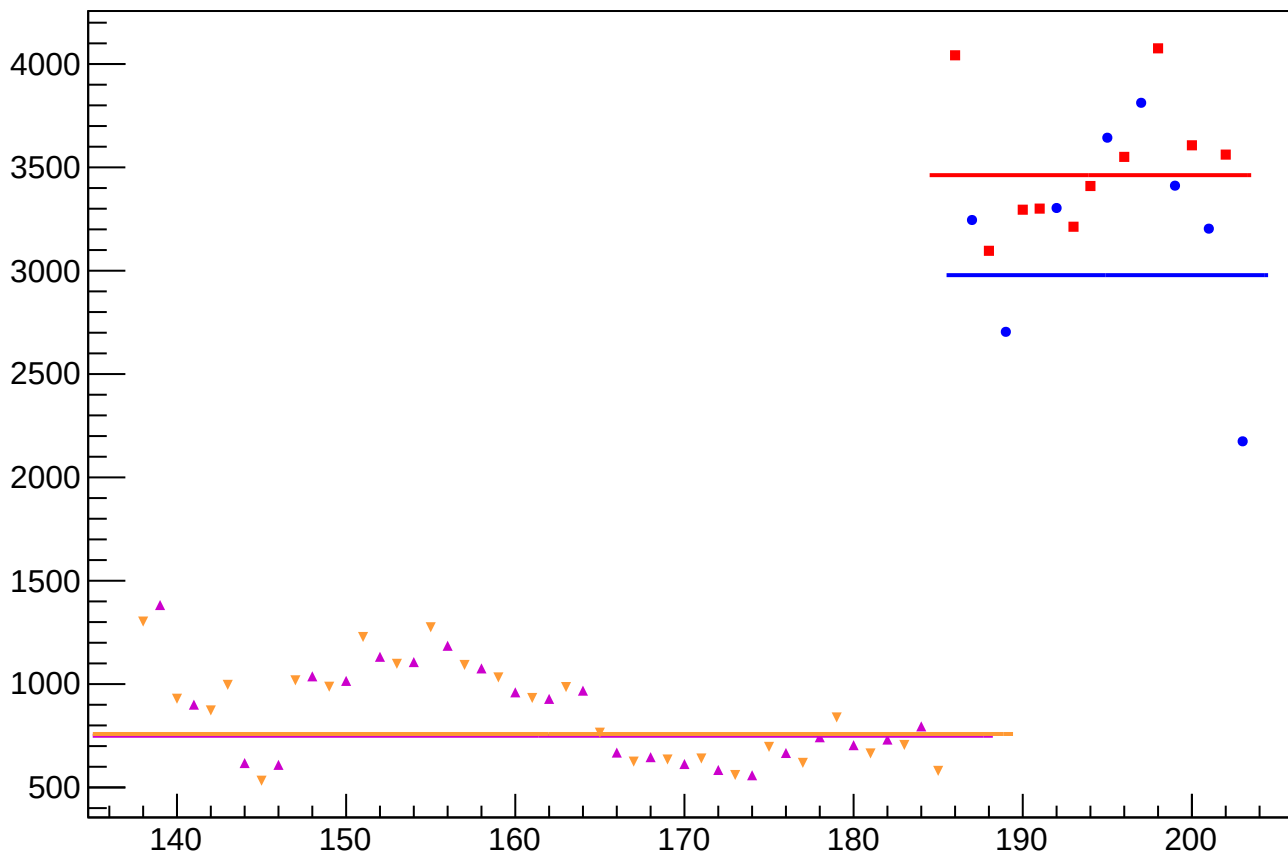
Right: 439.493 $\pm$ 953.618 χ^2 /NDF: 17.3/17

In: 37.336 $\pm$ 183.153 χ^2 /NDF:32.5/30

Out: -786.799 $\pm$ 182.276 χ^2 /NDF:81.0/34

All: -376.710 $\pm$ 129.198 χ^2 /NDF: 123.7/65

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 2978.545 $\pm$ 0.953 χ^2 /NDF: 403321.1/7

Left Out: 758.608 $\pm$ 0.130 χ^2 /NDF: 2453711.9/24

Right Out: 3462.335 $\pm$ 0.955 χ^2 /NDF: 93532.8/9

Left In: 749.995 $\pm$ 0.131 χ^2 /NDF: 2186634.5/22

Left: 754.323 $\pm$ 0.092 χ^2 /NDF: 4642527.3/47

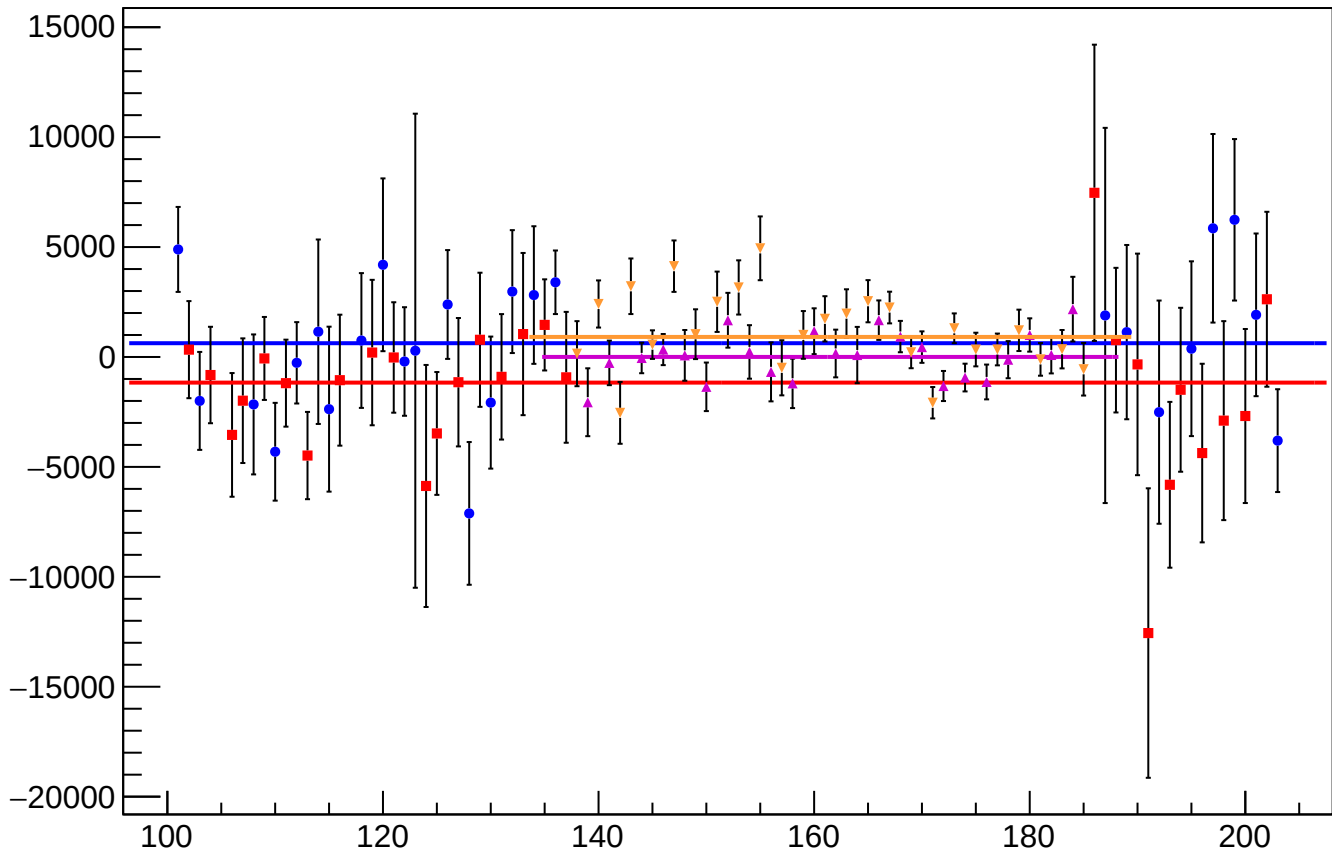
Right: 3219.876 $\pm$ 0.674 χ^2 /NDF: 625540.3/17

In: 791.194 $\pm$ 0.130 χ^2 /NDF: 7962796.6/30

Out: 807.883 $\pm$ 0.129 χ^2 /NDF: 10420876.5/34

All: 799.579 $\pm$ 0.091 χ^2 /NDF: 18392015.6/65

asym_sam3_mean vs Slug, Sign Corrected



Right In: 626.584 ± 561.202 χ^2/NDF : 33.6/24

Left Out: 911.919 ± 186.104 χ^2/NDF : 64.9/24

Right Out: -1165.746 ± 550.518 χ^2/NDF : 17.0/27

Left In: 2.470 ± 187.271 χ^2/NDF : 25.6/22

Left: 460.036 ± 132.006 χ^2/NDF : 102.4/47

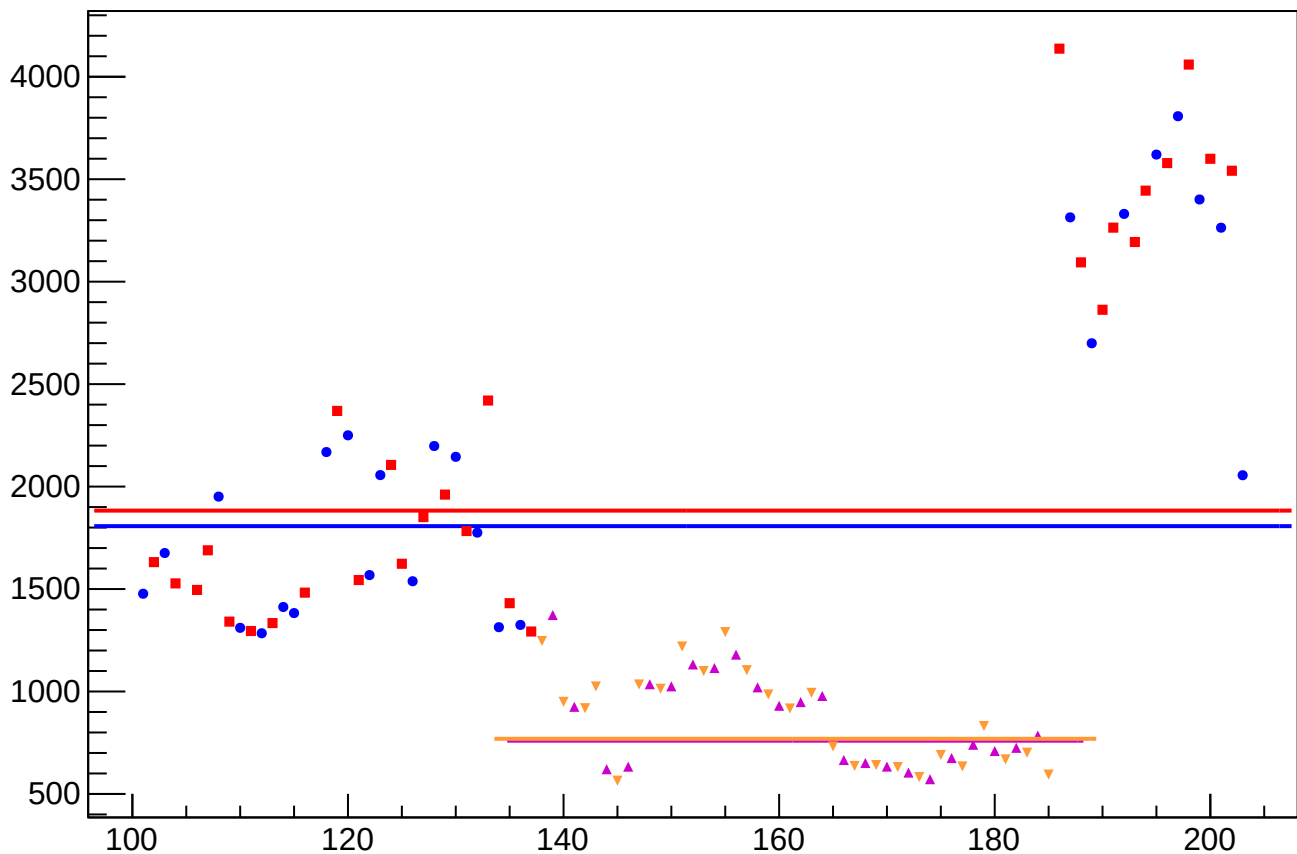
Right: -286.804 ± 392.998 χ^2/NDF : 55.8/52

In: 65.003 ± 177.642 χ^2/NDF : 60.4/47

Out: 698.835 ± 176.303 χ^2/NDF : 94.6/52

All: 384.317 ± 125.136 χ^2/NDF : 161.4/100

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1806.946 $\pm$ 0.397 χ^2 /NDF: 2699471.2/24

Left Out: 769.207 $\pm$ 0.132 χ^2 /NDF: 2275390.6/24

Right Out: 1882.797 $\pm$ 0.389 χ^2 /NDF: 3762347.5/27

Left In: 759.935 $\pm$ 0.132 χ^2 /NDF: 2014703.5/22

Left: 764.600 $\pm$ 0.093 χ^2 /NDF: 4292560.8/47

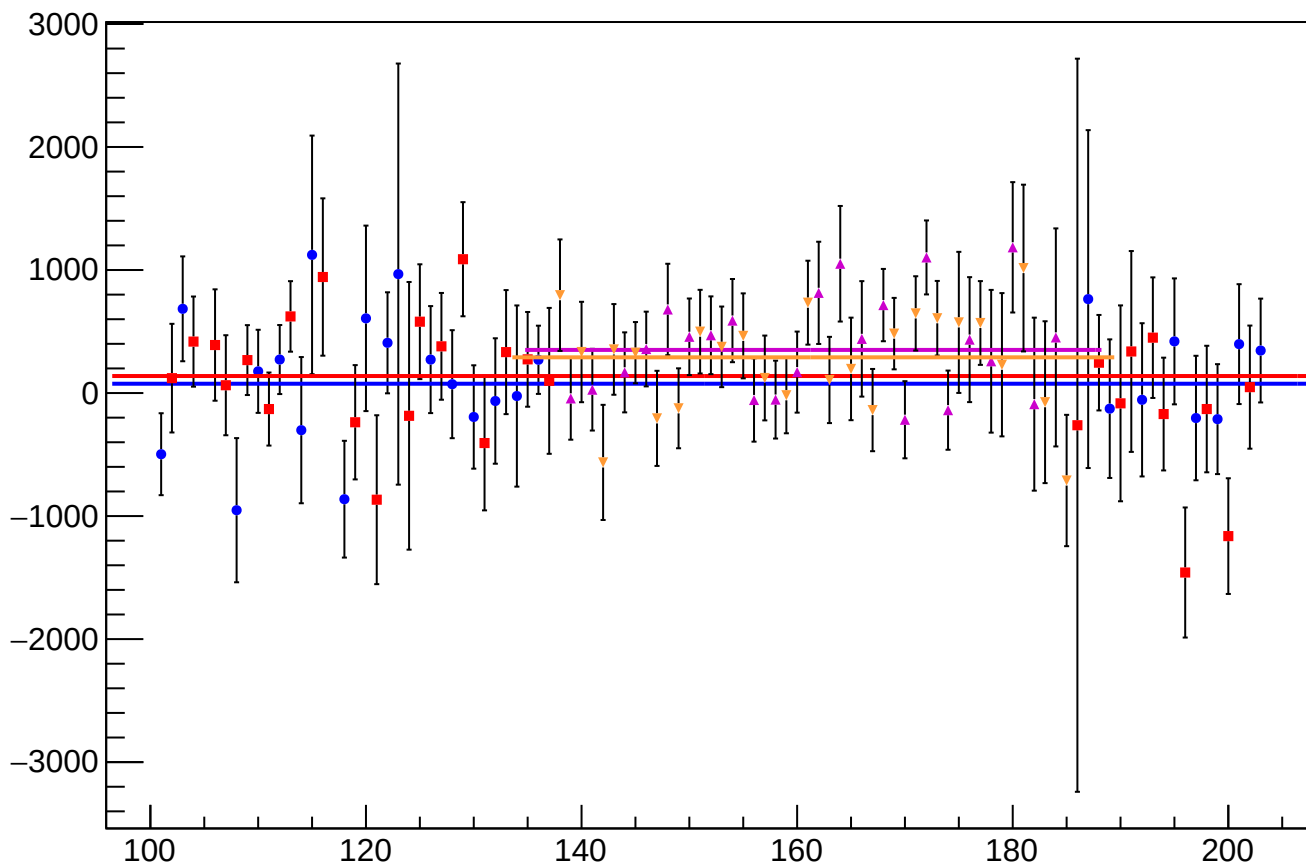
Right: 1845.600 $\pm$ 0.278 χ^2 /NDF: 6480437.9/52

In: 864.841 $\pm$ 0.126 χ^2 /NDF: 10978021.1/47

Out: 883.416 $\pm$ 0.125 χ^2 /NDF: 13381913.0/52

All: 874.199 $\pm$ 0.088 χ^2 /NDF: 24370950.5/10

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 75.670+/-91.690 χ^2/NDF : 19.2/24

Left Out: 290.293+/-72.910 χ^2/NDF :22.3/24

Right Out: 138.287+/-85.900 χ^2/NDF : 34.1/27

Left In: 350.522+/-75.911 χ^2/NDF :27.4/22

Left: 319.194+/-52.584 χ^2/NDF : 50.1/47

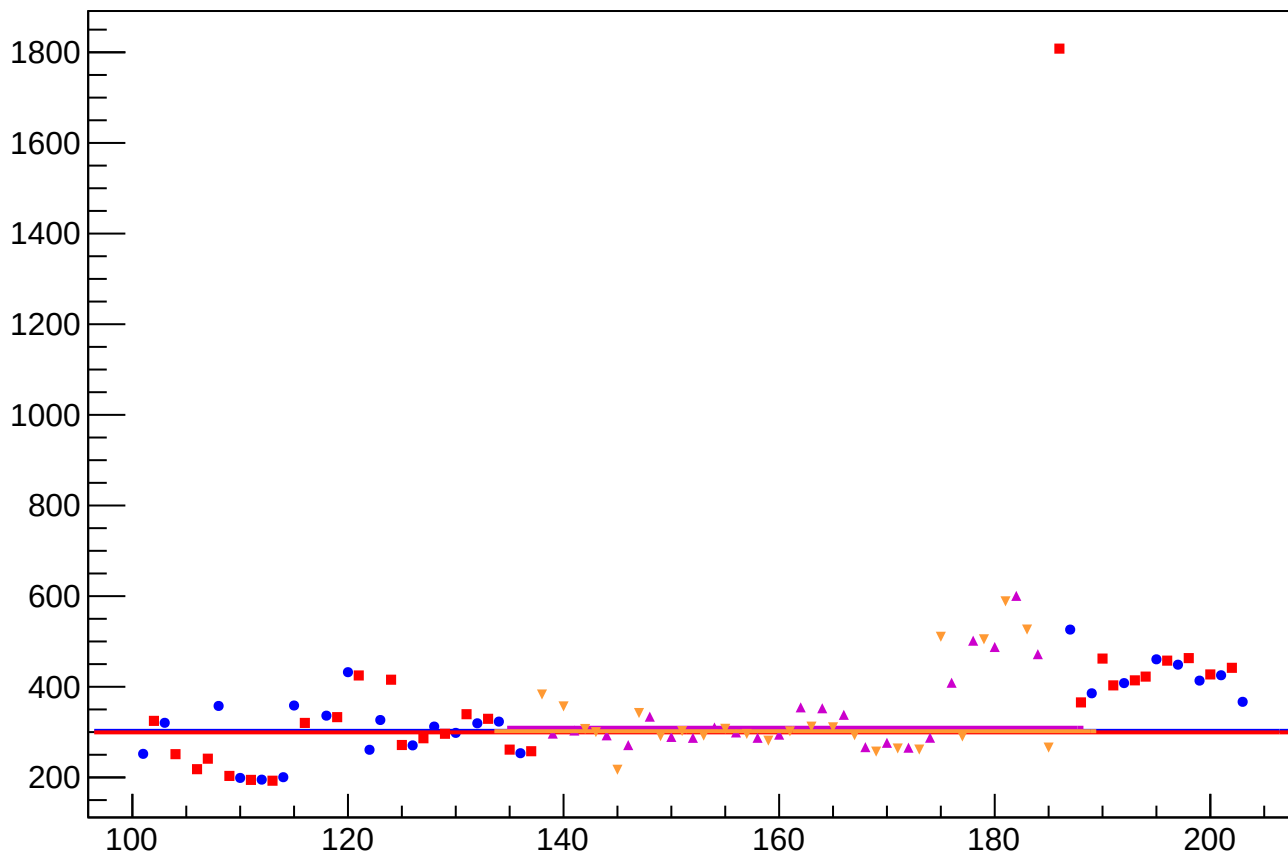
Right: 109.017+/-62.687 χ^2/NDF : 53.6/52

In: 238.745+/-58.472 χ^2/NDF :51.9/47

Out: 226.641+/-55.586 χ^2/NDF :58.3/52

All: 232.387+/-40.287 χ^2/NDF : 110.2/100

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 302.756 ± 0.065 χ^2/NDF : 1592409.0/24

Left Out: 302.040 ± 0.052 χ^2/NDF : 1597233.8/24

Right Out: 299.414 ± 0.061 χ^2/NDF : 2693208.0/27

Left In: 309.609 ± 0.054 χ^2/NDF : 1180280.8/22

Left: 305.672 ± 0.037 χ^2/NDF : 2787857.1/47

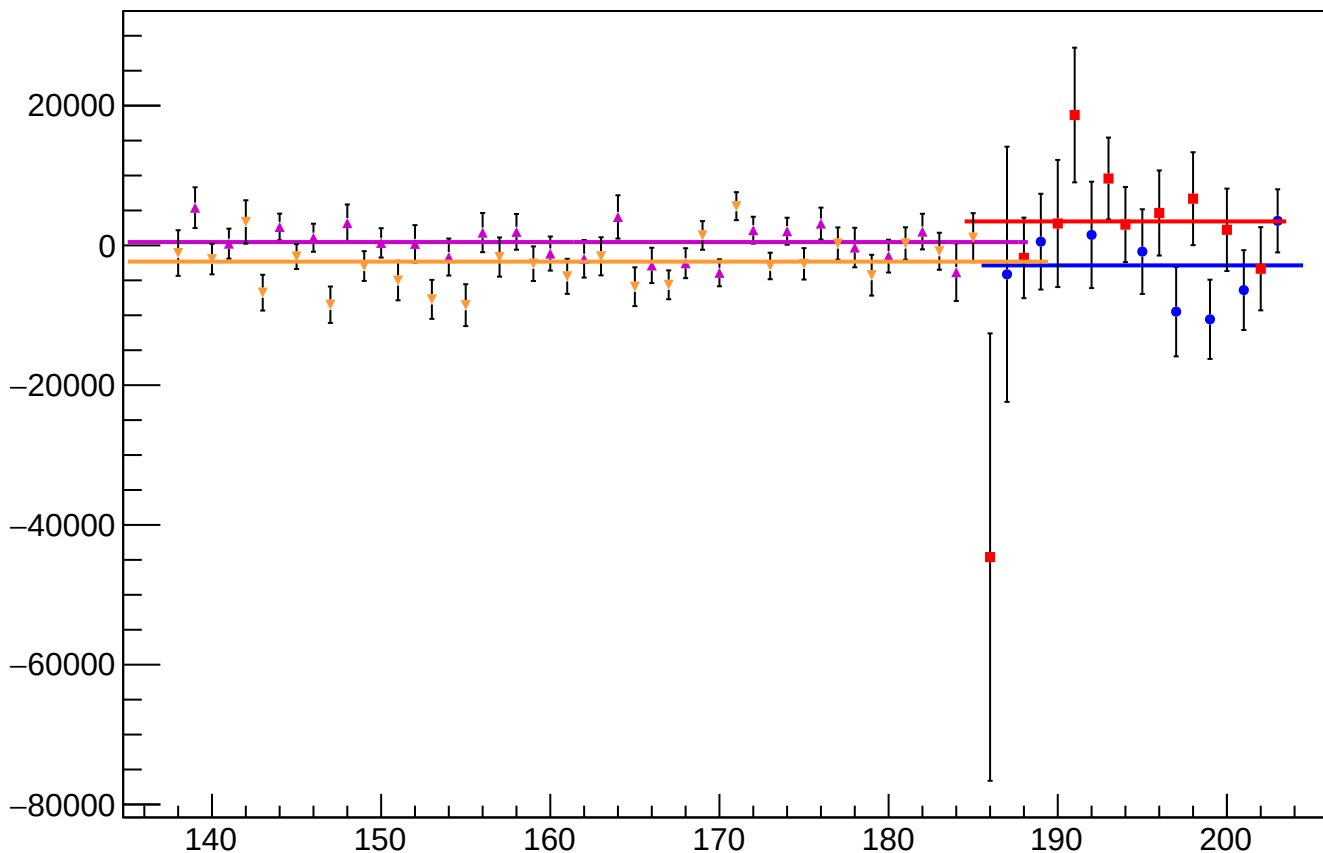
Right: 300.977 ± 0.044 χ^2/NDF : 4287032.0/52

In: 306.822 ± 0.041 χ^2/NDF : 2779318.5/47

Out: 300.941 ± 0.039 χ^2/NDF : 4291528.2/52

All: 303.733 ± 0.028 χ^2/NDF : 7081476.3/100

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -2859.667 ± 2214.377 χ^2/NDF : 6.0/7

Left Out: -2325.488 ± 486.043 χ^2/NDF : 49.8/24

Right Out: 3432.043 ± 2111.448 χ^2/NDF : 8.3/9

Left In: 477.779 ± 494.228 χ^2/NDF : 23.1/22

Left: -947.260 ± 346.542 χ^2/NDF : 89.2/47

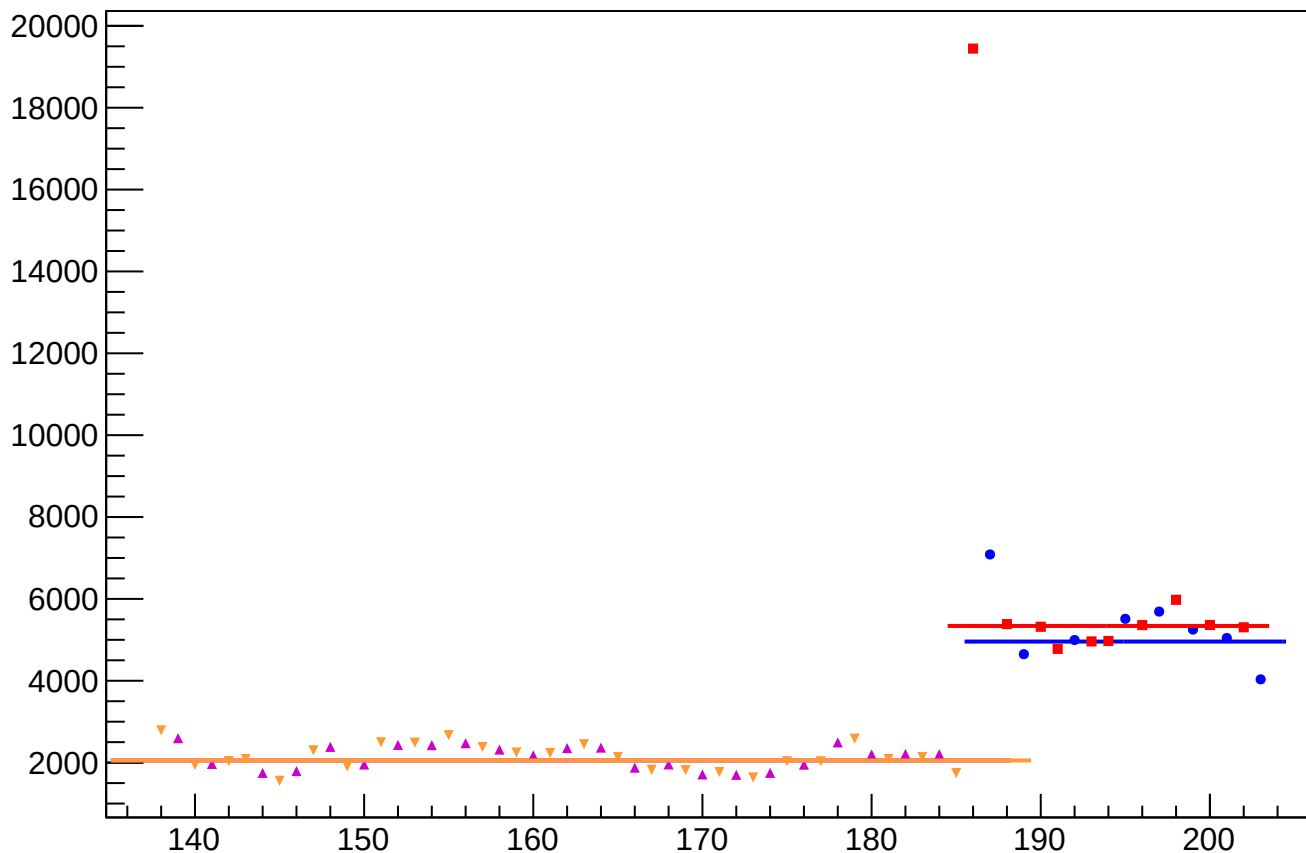
Right: 435.809 ± 1528.112 χ^2/NDF : 18.5/17

In: 319.416 ± 482.360 χ^2/NDF : 31.2/30

Out: -2035.753 ± 473.656 χ^2/NDF : 65.2/34

All: -879.610 ± 337.961 χ^2/NDF : 108.5/65

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 4957.671+/-1.566 χ^2/NDF : 163588.6/7

Left Out: 2052.401+/-0.344 χ^2/NDF : 838023.2/24

Right Out: 5338.608+/-1.493 χ^2/NDF : 431381.1/9

Left In: 2052.384+/-0.349 χ^2/NDF : 653872.2/22

Left: 2052.392+/-0.245 χ^2/NDF : 1491895.3/47

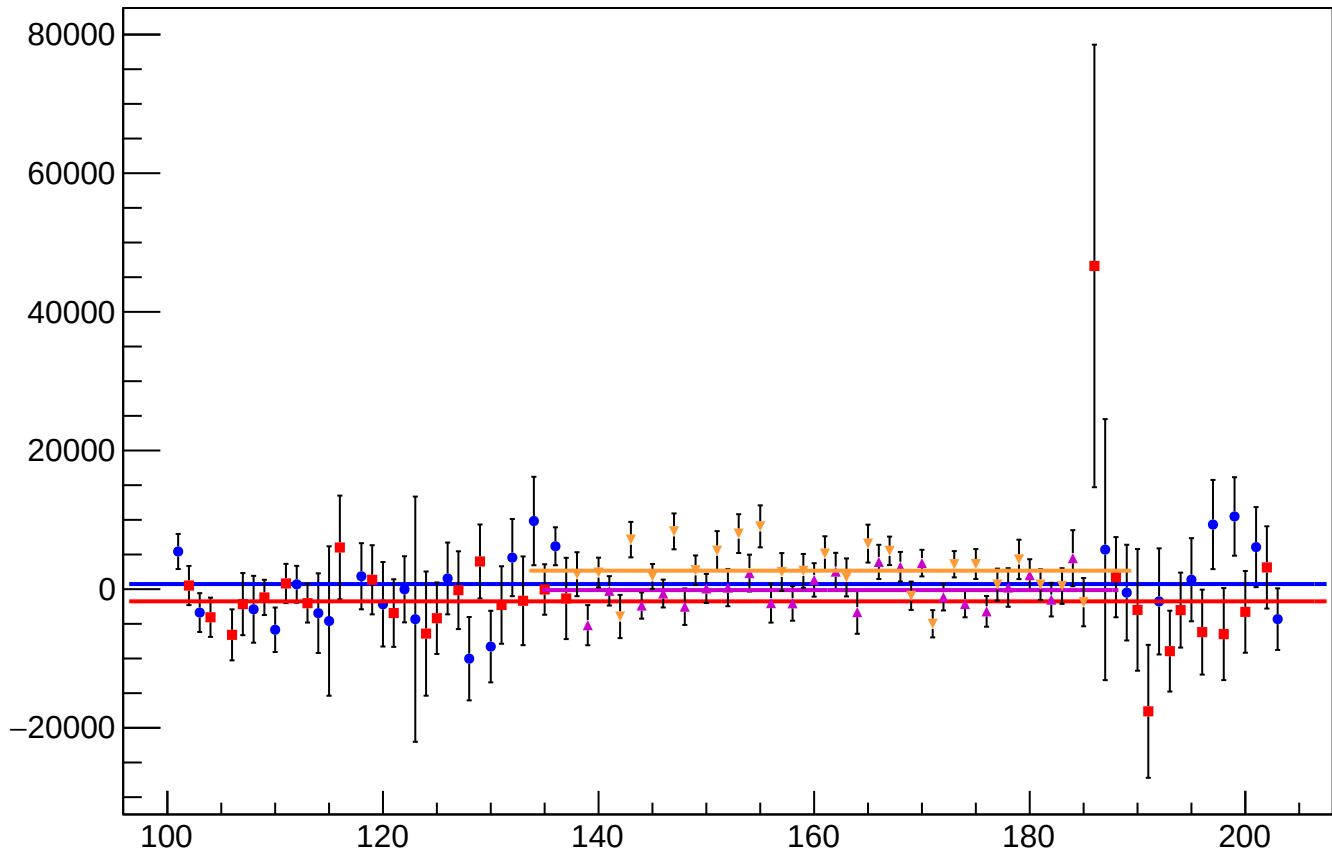
Right: 5157.199+/-1.081 χ^2/NDF : 625971.2/17

In: 2190.241+/-0.341 χ^2/NDF : 4096847.1/30

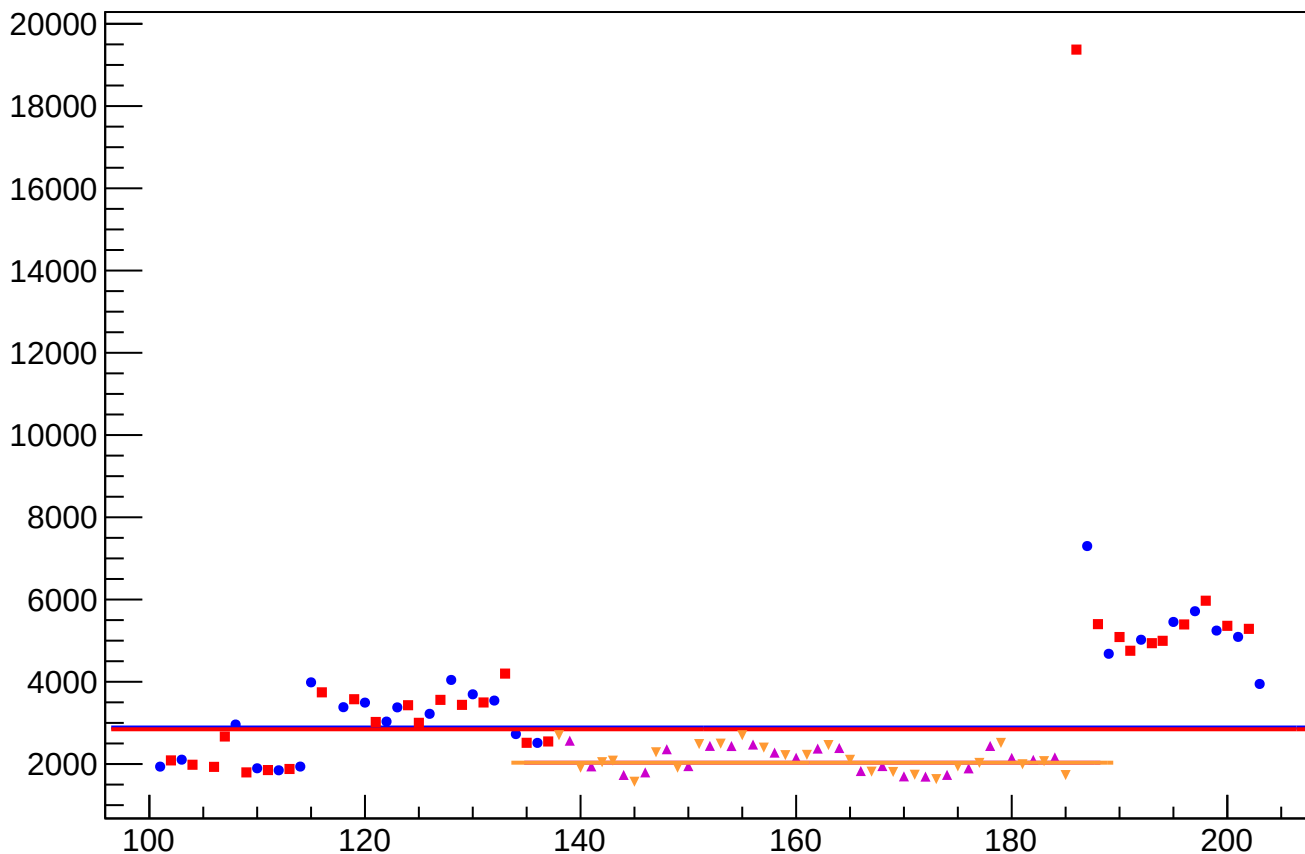
Out: 2217.772+/-0.335 χ^2/NDF : 5870223.1/34

All: 2204.257+/-0.239 χ^2/NDF : 9970387.1/65

asym_sam4_mean vs Slug, Sign Corrected



asym_sam4_rms vs Slug, Sign Corrected



Right In: 2887.840 $\pm$ 0.640 χ^2 /NDF: 3159466.3/24

Left Out: 2032.502 $\pm$ 0.340 χ^2 /NDF: 824418.6/24

Right Out: 2844.939 $\pm$ 0.601 χ^2 /NDF: 4766549.0/27

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

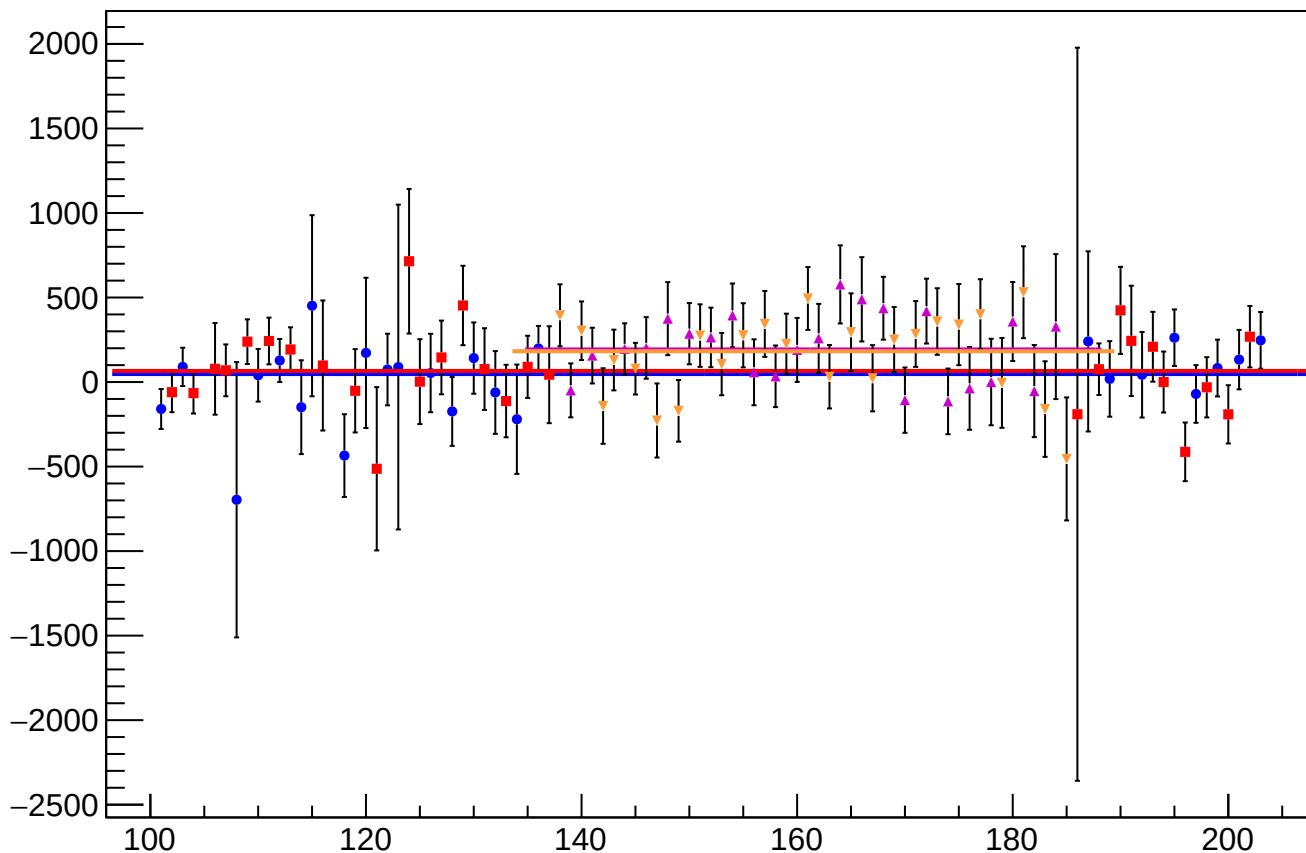
Right: 2865.033 $\pm$ 0.438 χ^2 /NDF: 7928402.8/52

In: 2225.507 $\pm$ 0.305 χ^2 /NDF: 5196458.2/47

Out: 2229.608 $\pm$ 0.296 χ^2 /NDF: 6975473.5/52

All: 2227.616 $\pm$ 0.212 χ^2 /NDF: 12172024.9/100

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 47.240+/-38.456 χ^2/NDF : 17.0/24

Left Out: 182.238+/-40.102 χ^2/NDF : 26.9/24

Right Out: 65.783+/-35.742 χ^2/NDF : 28.4/27

Left In: 193.004+/-41.384 χ^2/NDF : 21.1/22

Left: 187.451+/-28.799 χ^2/NDF : 48.0/47

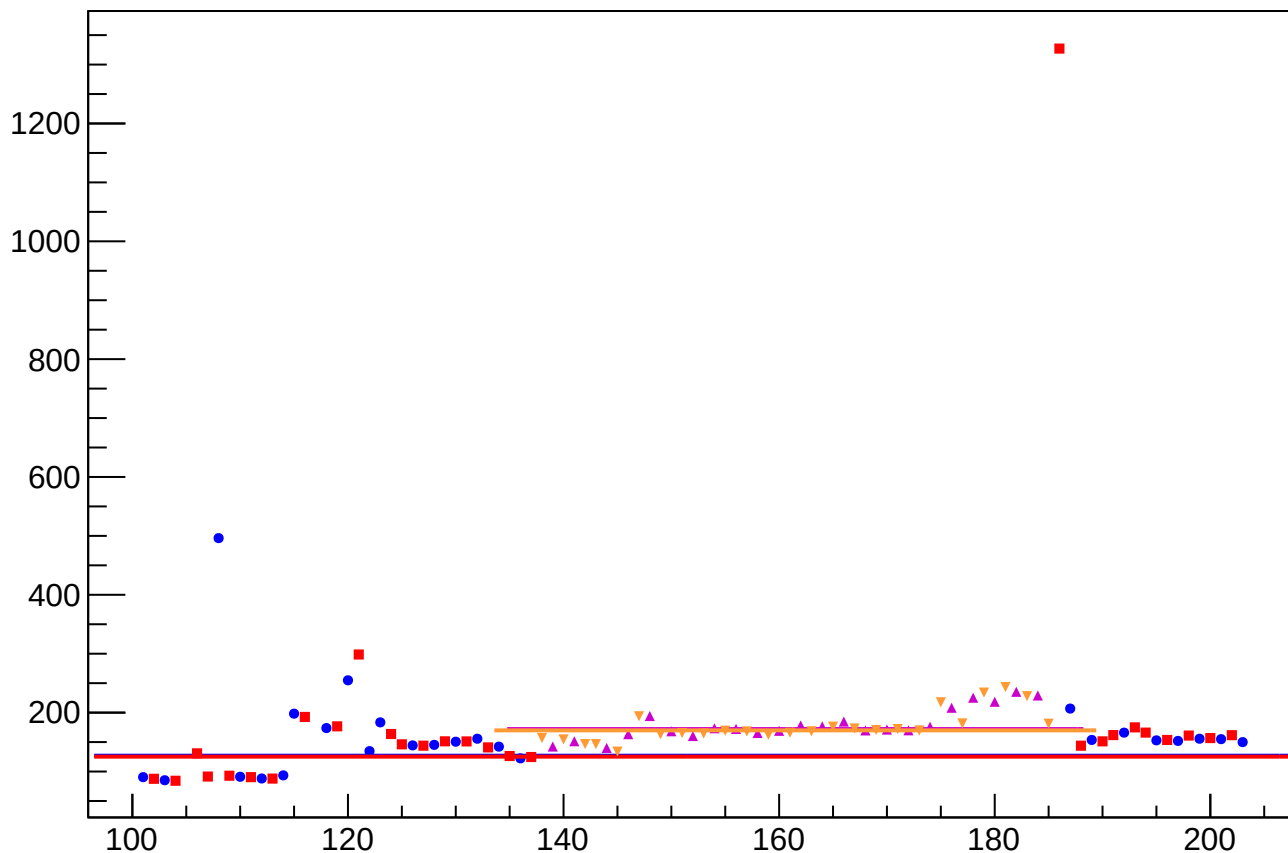
Right: 57.189+/-26.180 χ^2/NDF : 45.6/52

In: 114.782+/-28.171 χ^2/NDF : 44.7/47

Out: 117.339+/-26.682 χ^2/NDF : 60.1/52

All: 116.130+/-19.372 χ^2/NDF : 104.8/100

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 126.834 $\pm$ 0.027 χ^2 /NDF: 1924380.1/24

Left Out: 169.906 $\pm$ 0.028 χ^2 /NDF:663159.2/24

Right Out: 125.293 $\pm$ 0.025 χ^2 /NDF: 2635460.7/27

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

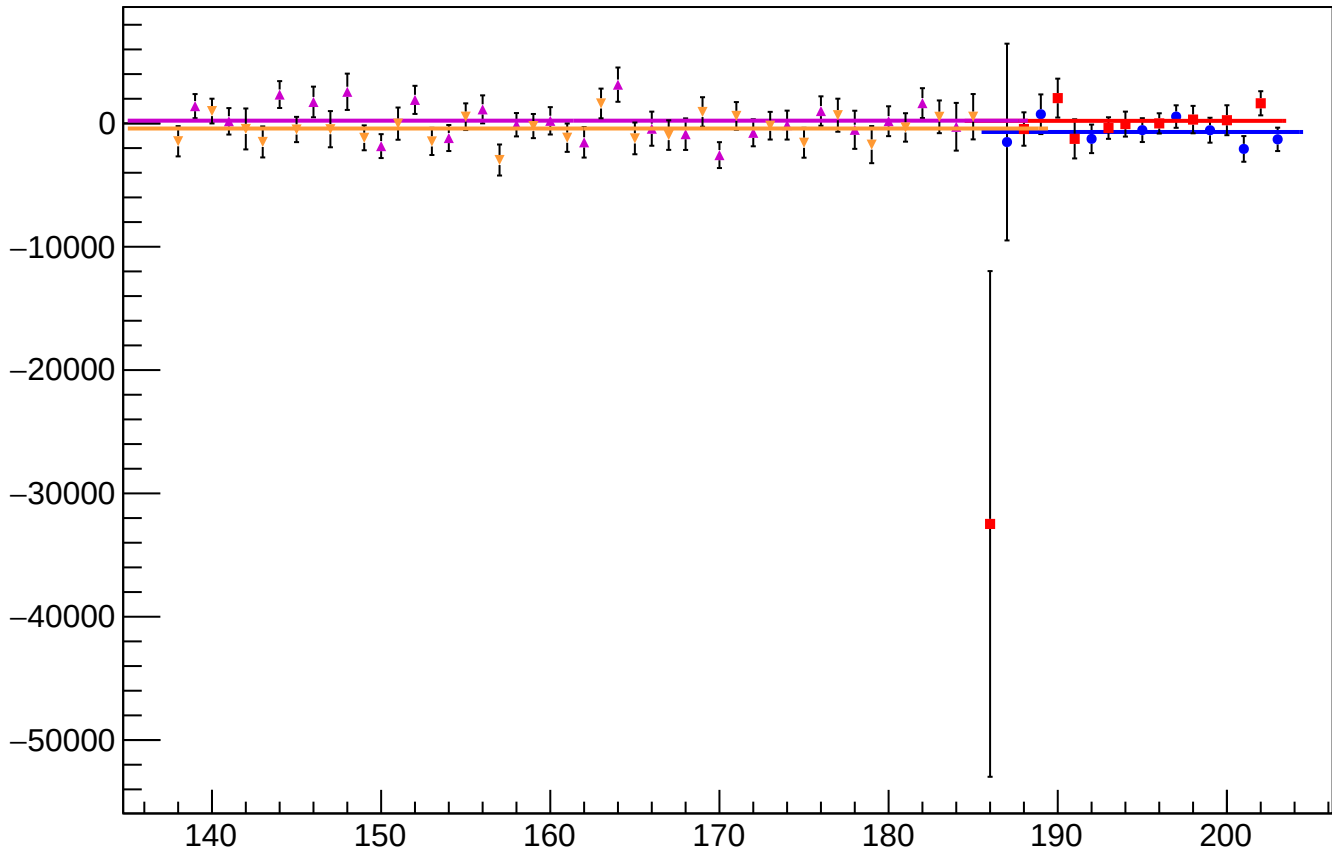
Right: 126.007 $\pm$ 0.019 χ^2 /NDF: 4561562.4/52

In: 147.792 $\pm$ 0.020 χ^2 /NDF:3796198.9/47

Out: 145.044 $\pm$ 0.019 χ^2 /NDF:4678032.2/52

All: 146.344 $\pm$ 0.014 χ^2 /NDF: 8484267.0/100

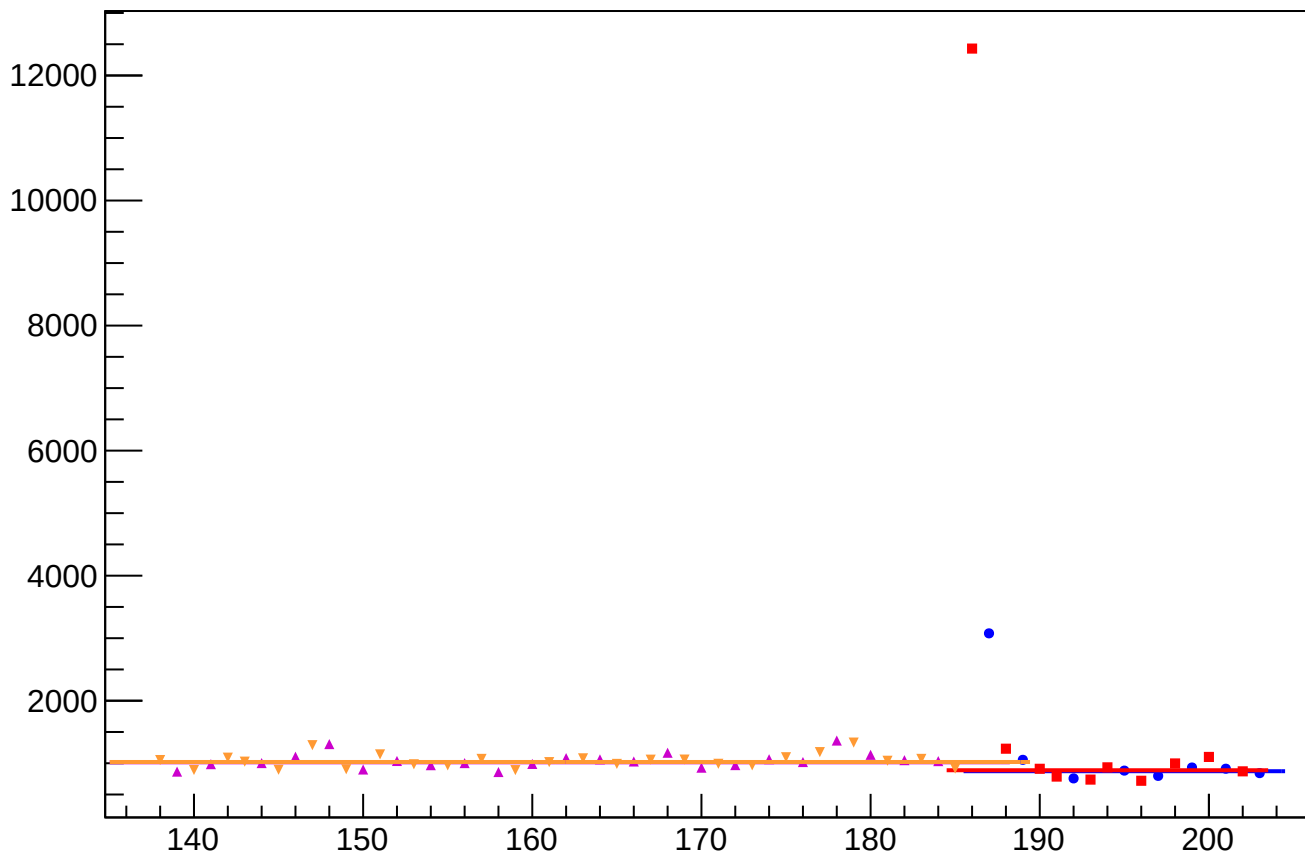
asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -693.813 ± 394.228 χ^2/NDF : 5.1/7
 Left Out: -412.804 ± 240.278 χ^2/NDF : 19.0/24
 Right Out: 208.490 ± 361.783 χ^2/NDF : 7.7/9
 Left In: 223.332 ± 243.771 χ^2/NDF : 36.0/22

Left: -99.327 ± 171.124 χ^2/NDF : 58.5/47
 Right: -204.009 ± 266.553 χ^2/NDF : 15.6/17
 In: -30.348 ± 207.335 χ^2/NDF : 45.0/30
 Out: -222.637 ± 200.156 χ^2/NDF : 28.8/34
 All: -129.879 ± 144.003 χ^2/NDF : 74.3/65

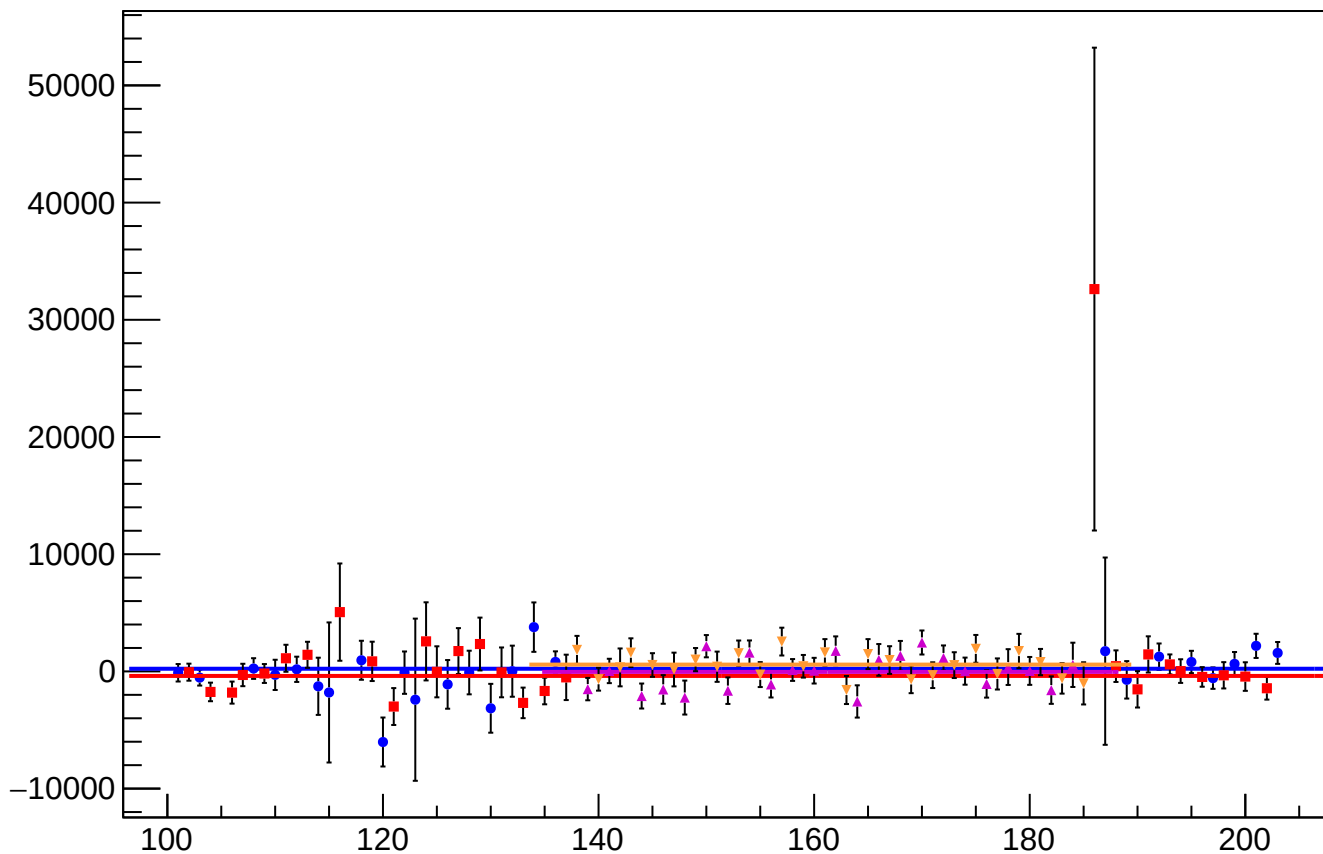
asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 872.684 $\pm$ 0.279 χ^2 /NDF: 223682.3/7
 Left Out: 1020.149 $\pm$ 0.170 χ^2 /NDF: 369866.7/24
 Right Out: 888.038 $\pm$ 0.256 χ^2 /NDF: 999833.3/9
 Left In: 1015.000 $\pm$ 0.172 χ^2 /NDF: 404865.5/22

Left: 1017.611 $\pm$ 0.121 χ^2 /NDF: 775184.8/47
 Right: 881.019 $\pm$ 0.188 χ^2 /NDF: 1225162.3/17
 In: 975.635 $\pm$ 0.147 χ^2 /NDF: 817093.7/30
 Out: 979.712 $\pm$ 0.142 χ^2 /NDF: 1554762.7/34
 All: 977.745 $\pm$ 0.102 χ^2 /NDF: 2372256.6/65

asym_sam5_mean vs Slug, Sign Corrected



Right In: 227.181+/-243.967 χ^2/NDF : 26.0/24

Left Out: 580.226+/-235.583 χ^2/NDF : 18.4/24

Right Out: -386.017+/-223.852 χ^2/NDF : 30.4/27

Left In: -42.397+/-239.278 χ^2/NDF : 37.9/22

Left: 273.759+/-167.873 χ^2/NDF : 59.7/47

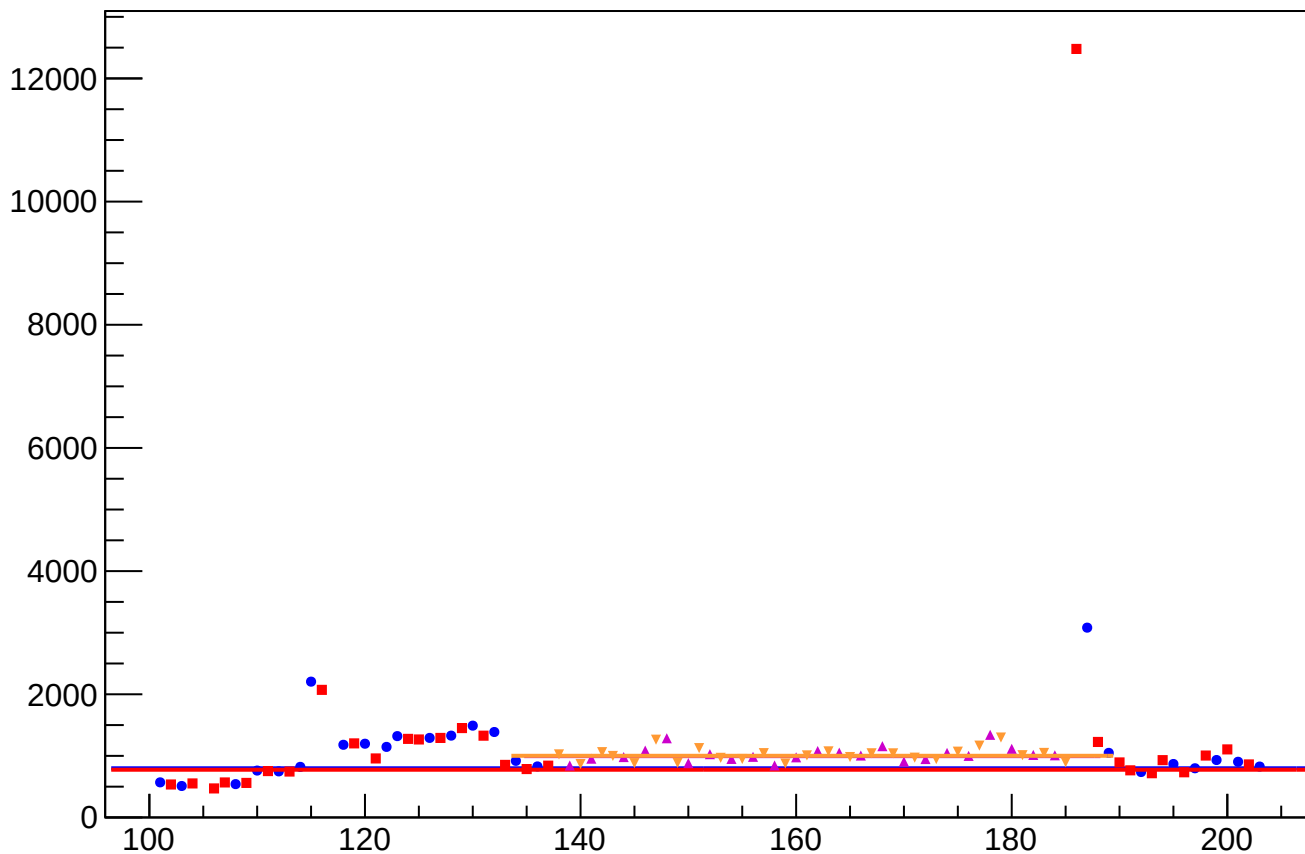
Right: -105.735+/-164.941 χ^2/NDF : 59.7/52

In: 89.776+/-170.829 χ^2/NDF : 64.4/47

Out: 72.450+/-162.276 χ^2/NDF : 57.6/52

All: 80.669+/-117.654 χ^2/NDF : 122.0/100

asym_sam5_rms vs Slug, Sign Corrected



Right In: 798.524+/-0.173 χ^2/NDF : 2033321.9/24

Left Out: 1001.233+/-0.167 χ^2/NDF : 370278.3/24

Right Out: 774.897+/-0.158 χ^2/NDF : 2973430.7/27

Left In: 995.590+/-0.169 χ^2/NDF : 424434.6/22

Left: 998.455+/-0.119 χ^2/NDF : 795277.7/47

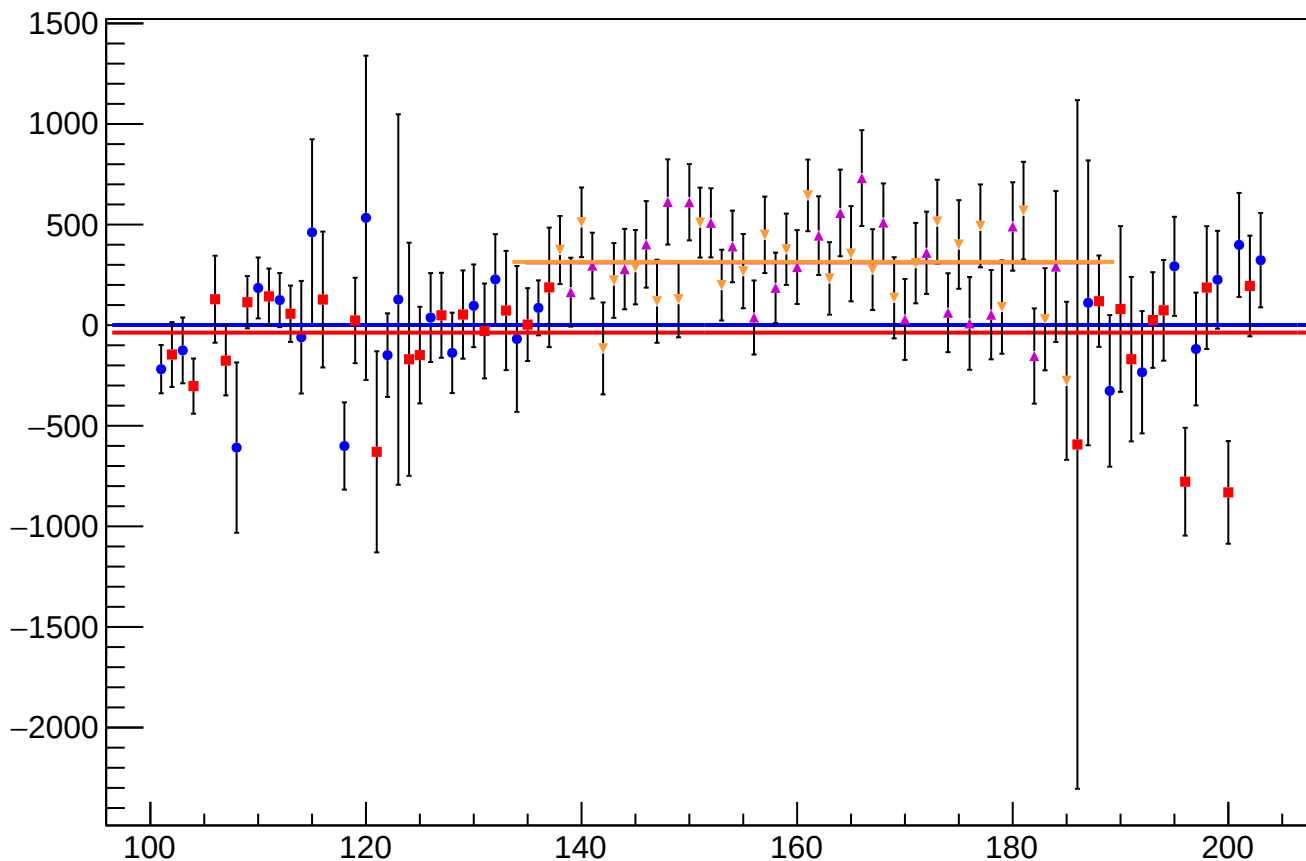
Right: 785.697+/-0.117 χ^2/NDF : 5016937.2/52

In: 898.969+/-0.121 χ^2/NDF : 3122884.8/47

Out: 882.290+/-0.115 χ^2/NDF : 4313851.4/52

All: 890.201+/-0.083 χ^2/NDF : 7446758.7/100

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: 0.839 ± 43.622 $\chi^2/\text{NDF}: 28.3/24$

Left Out: 314.517 ± 39.818 $\chi^2/\text{NDF}: 21.4/24$

Right Out: -37.074 ± 40.827 $\chi^2/\text{NDF}: 31.8/27$

Left In: 312.097 ± 41.646 $\chi^2/\text{NDF}: 26.9/22$

Left: 313.361 ± 28.780 $\chi^2/\text{NDF}: 48.3/47$

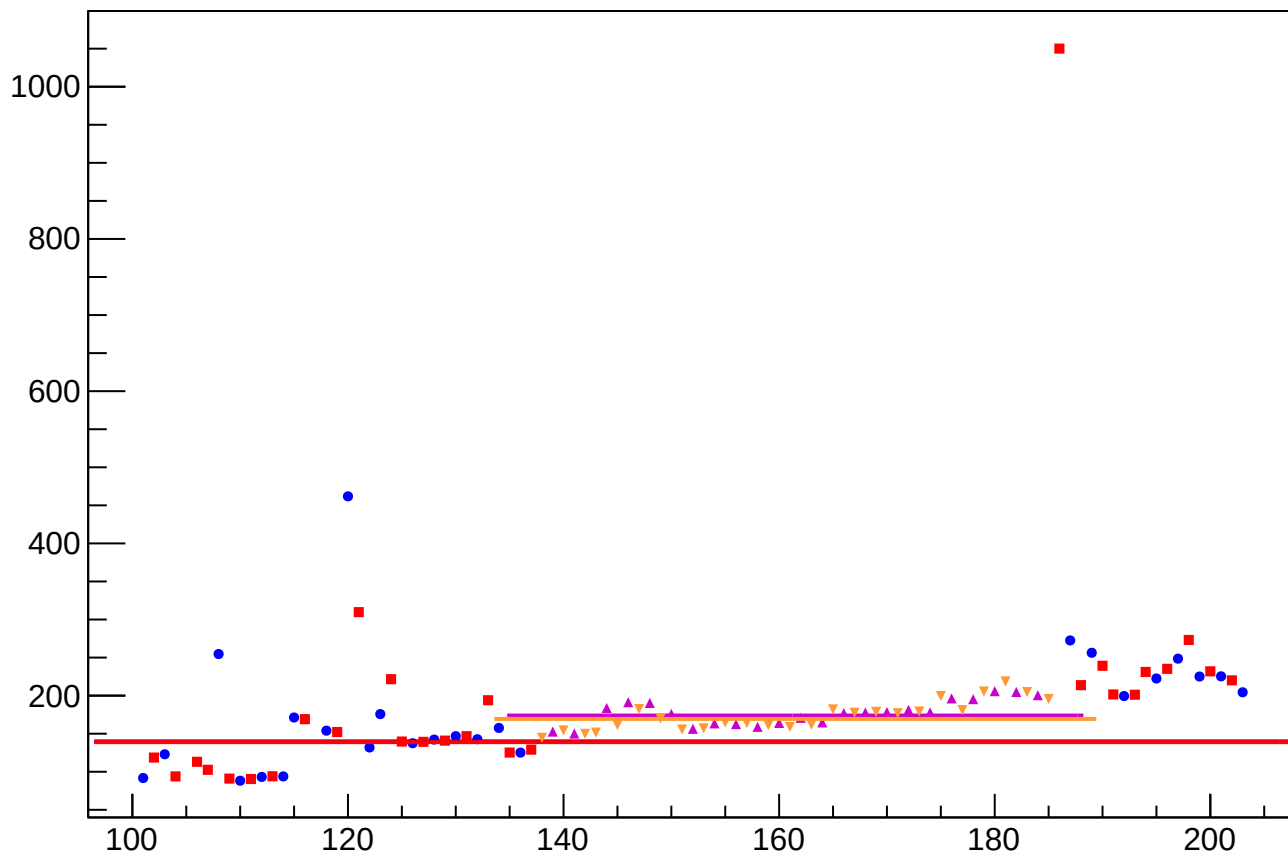
Right: -19.371 ± 29.808 $\chi^2/\text{NDF}: 60.5/52$

In: 163.678 ± 30.122 $\chi^2/\text{NDF}: 81.8/47$

Out: 143.119 ± 28.505 $\chi^2/\text{NDF}: 91.2/52$

All: 152.832 ± 20.704 $\chi^2/\text{NDF}: 173.3/100$

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 139.855 ± 0.031 $\chi^2/\text{NDF}: 2872933.3/24$

Left Out: 169.432 ± 0.028 $\chi^2/\text{NDF}: 386461.5/24$

Right Out: 138.915 ± 0.029 $\chi^2/\text{NDF}: 3949307.0/27$

Left In: 173.847 ± 0.029 $\chi^2/\text{NDF}: 291729.8/22$

Left: 171.540 ± 0.020 $\chi^2/\text{NDF}: 689934.9/47$

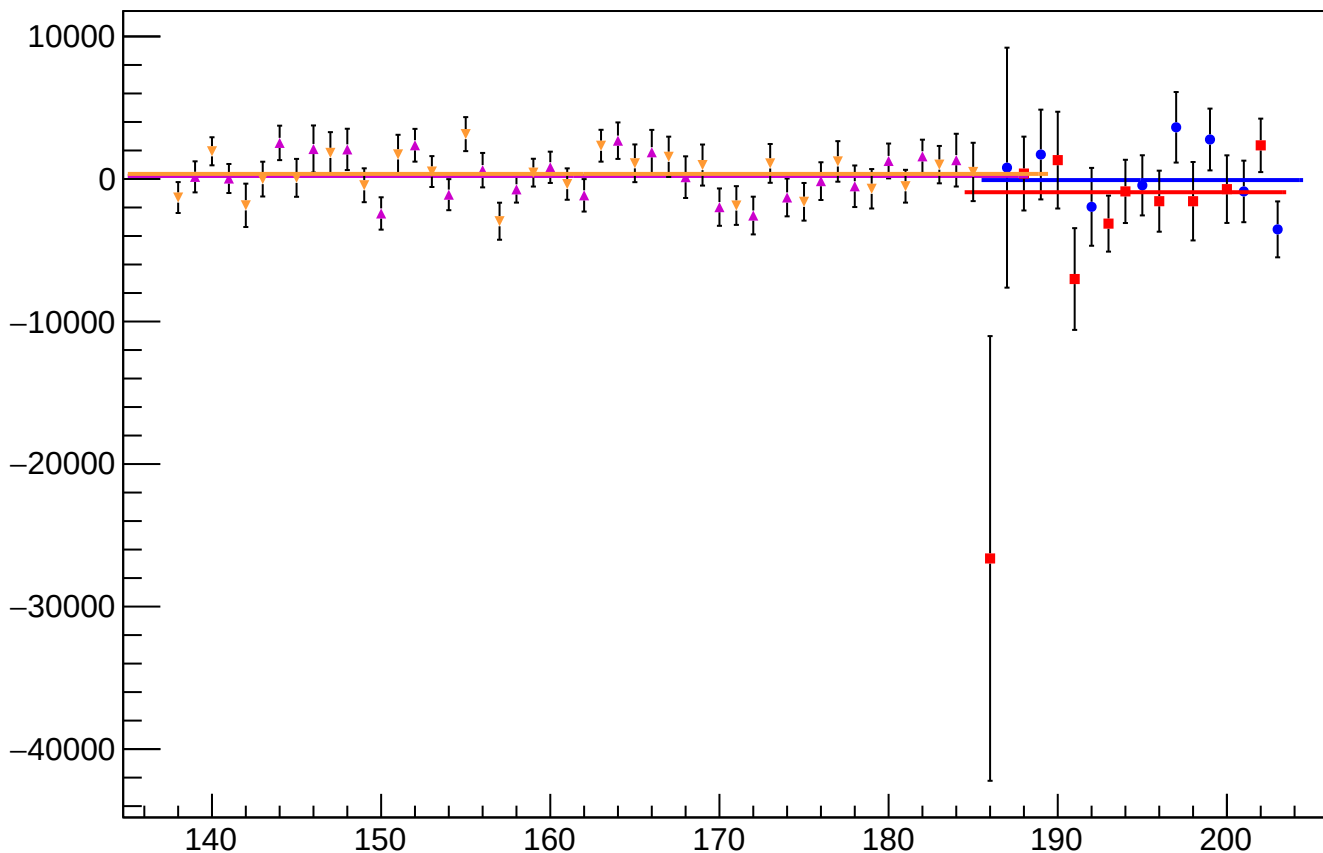
Right: 139.354 ± 0.021 $\chi^2/\text{NDF}: 6822735.1/52$

In: 157.638 ± 0.021 $\chi^2/\text{NDF}: 3800012.8/47$

Out: 154.555 ± 0.020 $\chi^2/\text{NDF}: 4908452.7/52$

All: 156.012 ± 0.015 $\chi^2/\text{NDF}: 8719519.2/100$

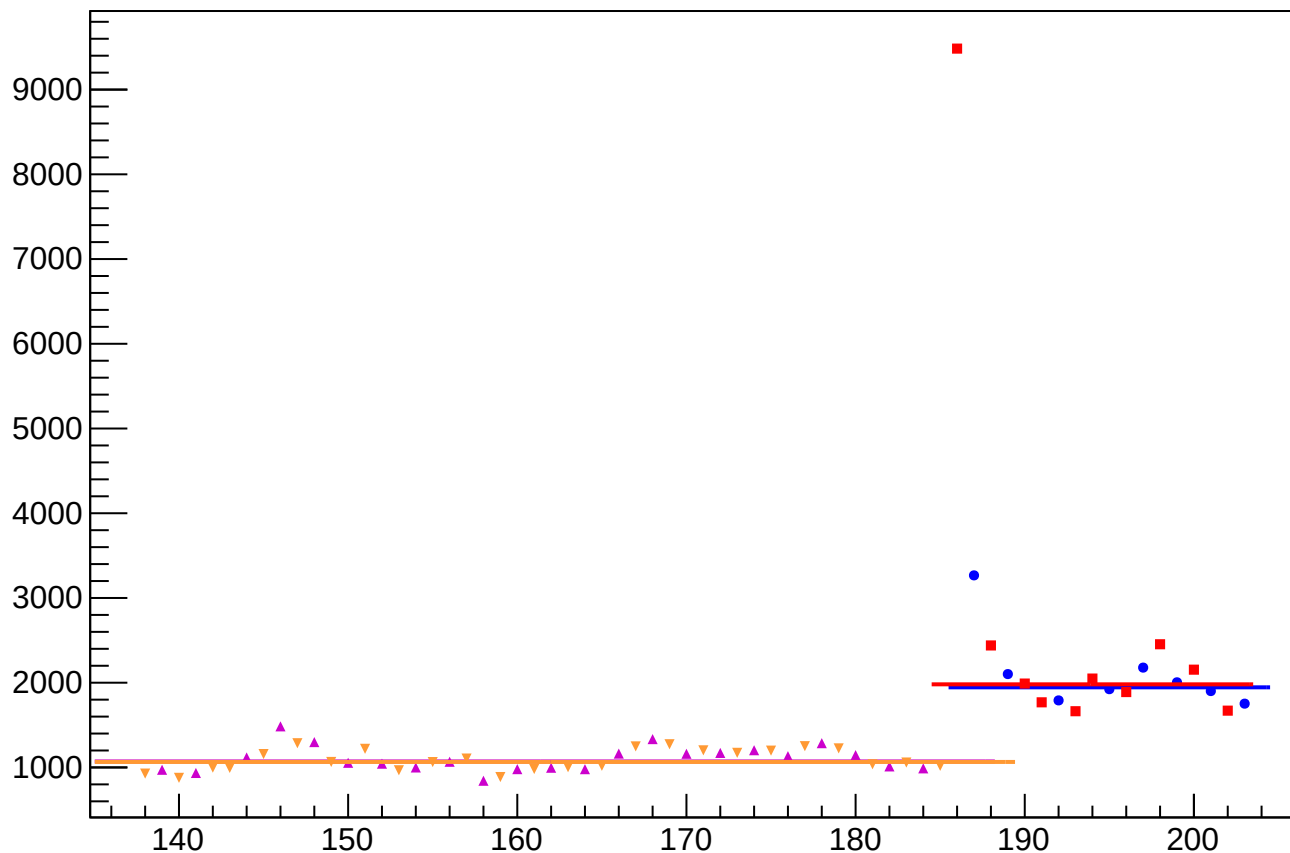
asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: -76.157 ± 869.135 $\chi^2/\text{NDF}: 8.0/7$
 Left Out: 356.612 ± 250.934 $\chi^2/\text{NDF}: 33.4/24$
 Right Out: -928.069 ± 792.369 $\chi^2/\text{NDF}: 10.8/9$
 Left In: 212.007 ± 257.383 $\chi^2/\text{NDF}: 36.0/22$

Left: 286.144 ± 179.674 $\chi^2/\text{NDF}: 69.6/47$
 Right: -541.390 ± 585.552 $\chi^2/\text{NDF}: 19.4/17$
 In: 188.773 ± 246.789 $\chi^2/\text{NDF}: 44.2/30$
 Out: 239.513 ± 239.225 $\chi^2/\text{NDF}: 46.5/34$
 All: 214.933 ± 171.770 $\chi^2/\text{NDF}: 90.8/65$

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 1945.416+/-0.615 χ^2/NDF : 100057.6/7

Left Out: 1064.868+/-0.177 χ^2/NDF : 493614.2/24

Right Out: 1980.809+/-0.560 χ^2/NDF : 714747.4/9

Left In: 1070.694+/-0.182 χ^2/NDF : 570407.8/22

Left: 1067.707+/-0.127 χ^2/NDF : 1064547.2/47

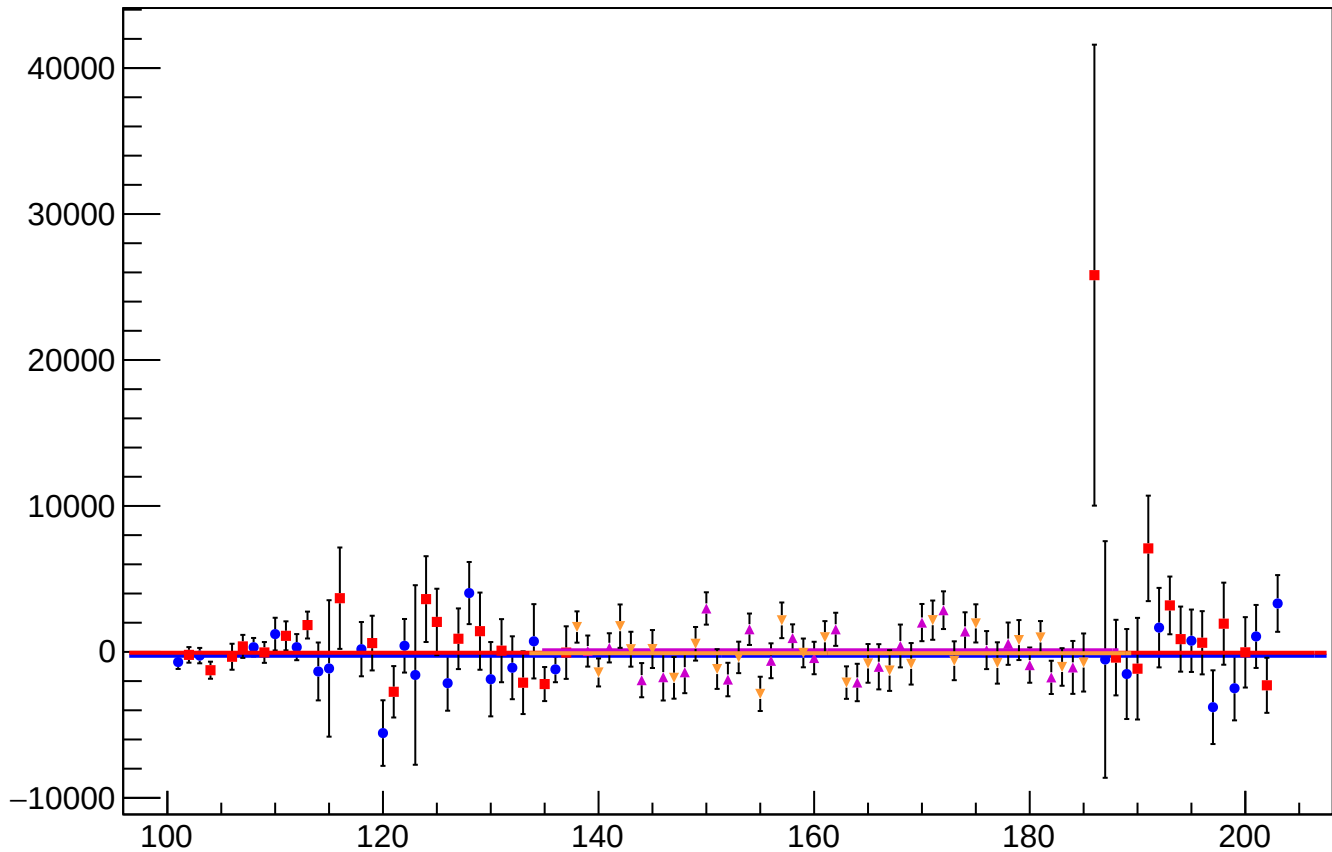
Right: 1964.744+/-0.414 χ^2/NDF : 816616.3/17

In: 1141.219+/-0.175 χ^2/NDF : 2532926.4/30

Out: 1148.357+/-0.169 χ^2/NDF : 3637222.3/34

All: 1144.899+/-0.121 χ^2/NDF : 6171011.1/65

asym_sam6_mean vs Slug, Sign Corrected



Right In: -265.205 $\pm$ 240.345 χ^2/NDF : 24.5/24

Left Out: -89.632 $\pm$ 247.271 χ^2/NDF : 31.0/24

Right Out: -57.053 $\pm$ 236.632 χ^2/NDF : 32.7/27

Left In: 110.879 $\pm$ 254.337 χ^2/NDF : 35.2/22

Left: 7.800 $\pm$ 177.292 χ^2/NDF : 66.4/47

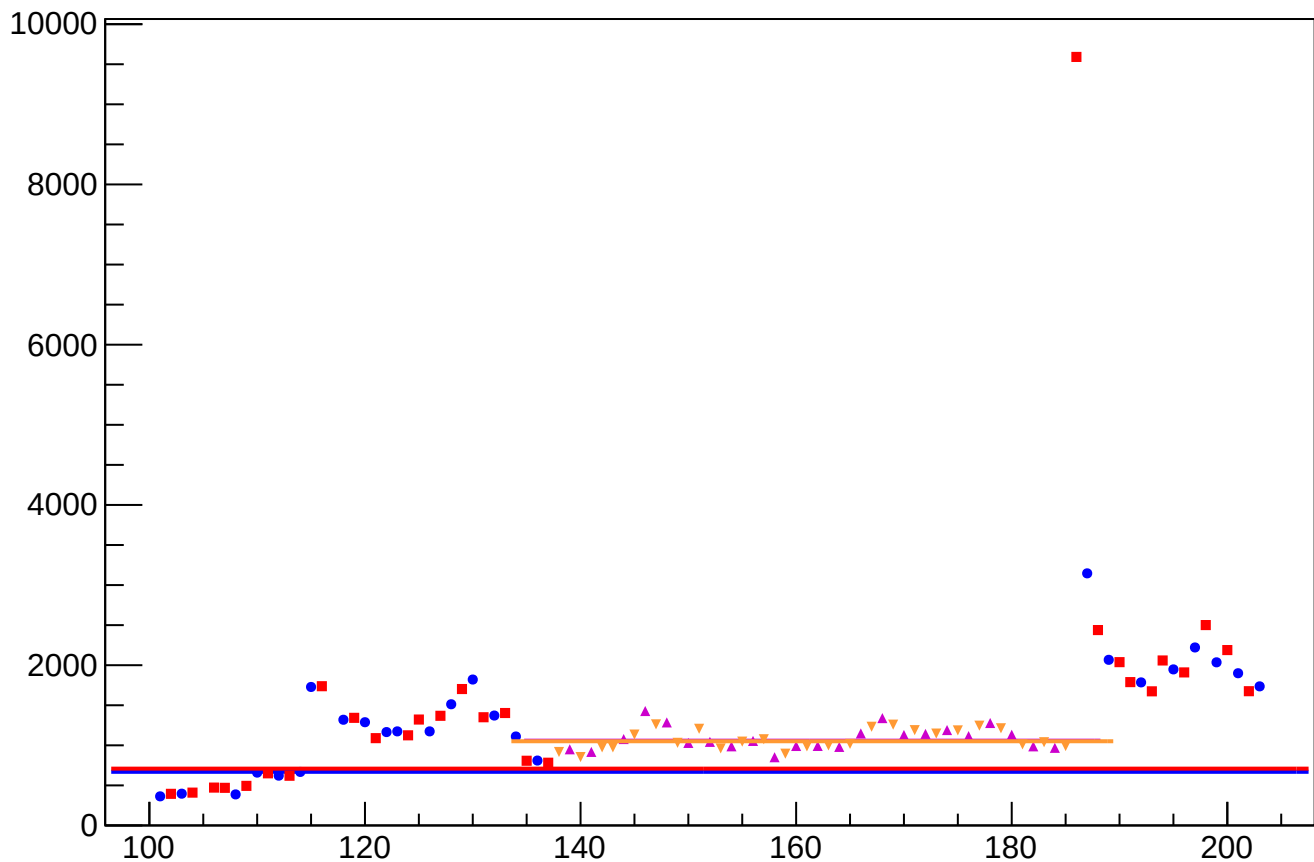
Right: -159.509 $\pm$ 168.622 χ^2/NDF : 57.6/52

In: -87.792 $\pm$ 174.687 χ^2/NDF : 60.8/47

Out: -72.626 $\pm$ 170.962 χ^2/NDF : 63.6/52

All: -80.046 $\pm$ 122.184 χ^2/NDF : 124.5/100

asym_sam6_rms vs Slug, Sign Corrected



Right In: 669.463+/-0.170 χ^2/NDF : 8044127.4/24

Left Out: 1050.918+/-0.175 χ^2/NDF : 483477.5/24

Right Out: 709.055+/-0.167 χ^2/NDF : 9227934.7/27

Left In: 1058.154+/-0.180 χ^2/NDF : 532260.0/22

Left: 1054.434+/-0.125 χ^2/NDF : 1016569.7/47

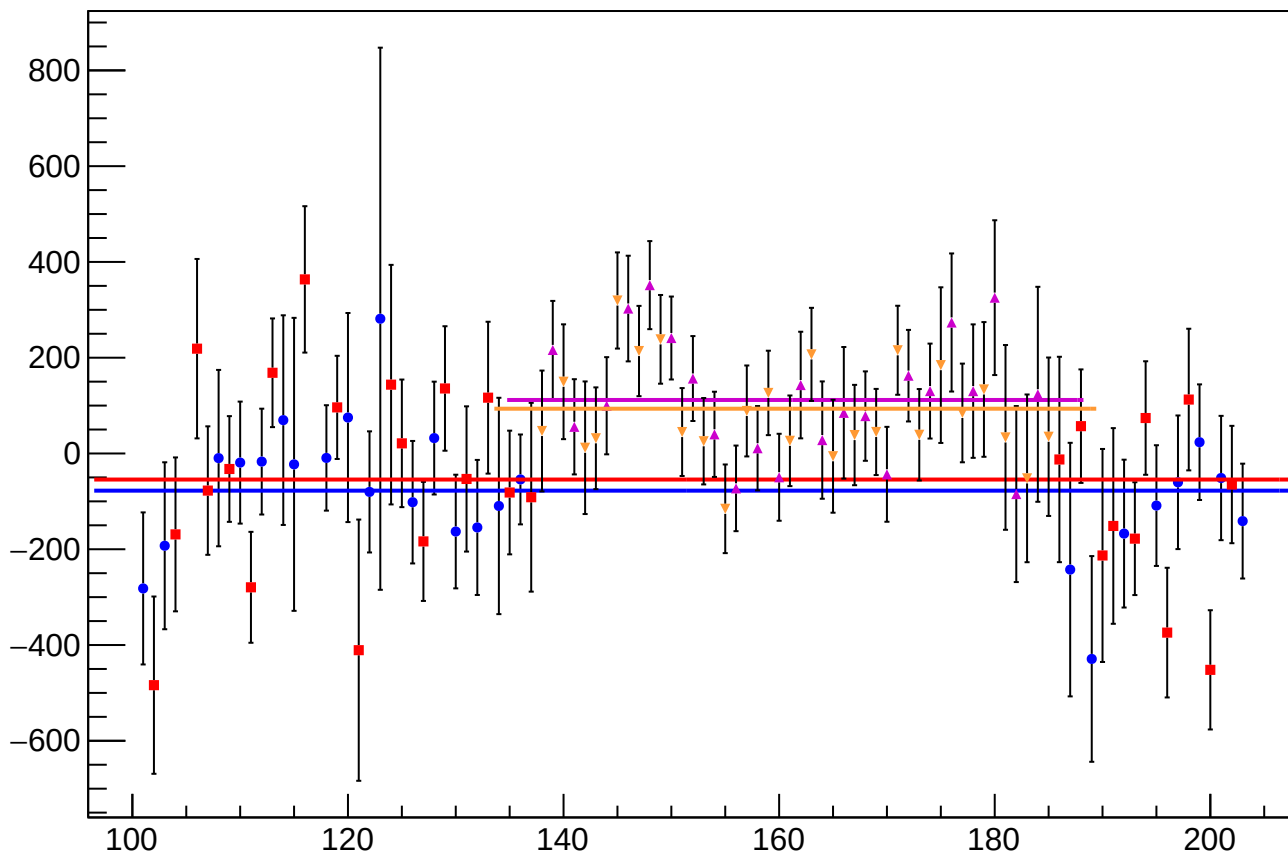
Right: 689.567+/-0.119 χ^2/NDF : 17299620.5/52

In: 852.823+/-0.124 χ^2/NDF : 11043950.2/47

Out: 872.474+/-0.121 χ^2/NDF : 11706848.3/52

All: 862.860+/-0.086 χ^2/NDF : 22763726.7/100

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -77.635 $\pm$ 28.587 χ^2/NDF : 10.8/24

Left Out: 93.496 $\pm$ 21.284 χ^2/NDF :22.8/24

Right Out: -54.419 $\pm$ 26.674 χ^2/NDF : 53.2/27

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

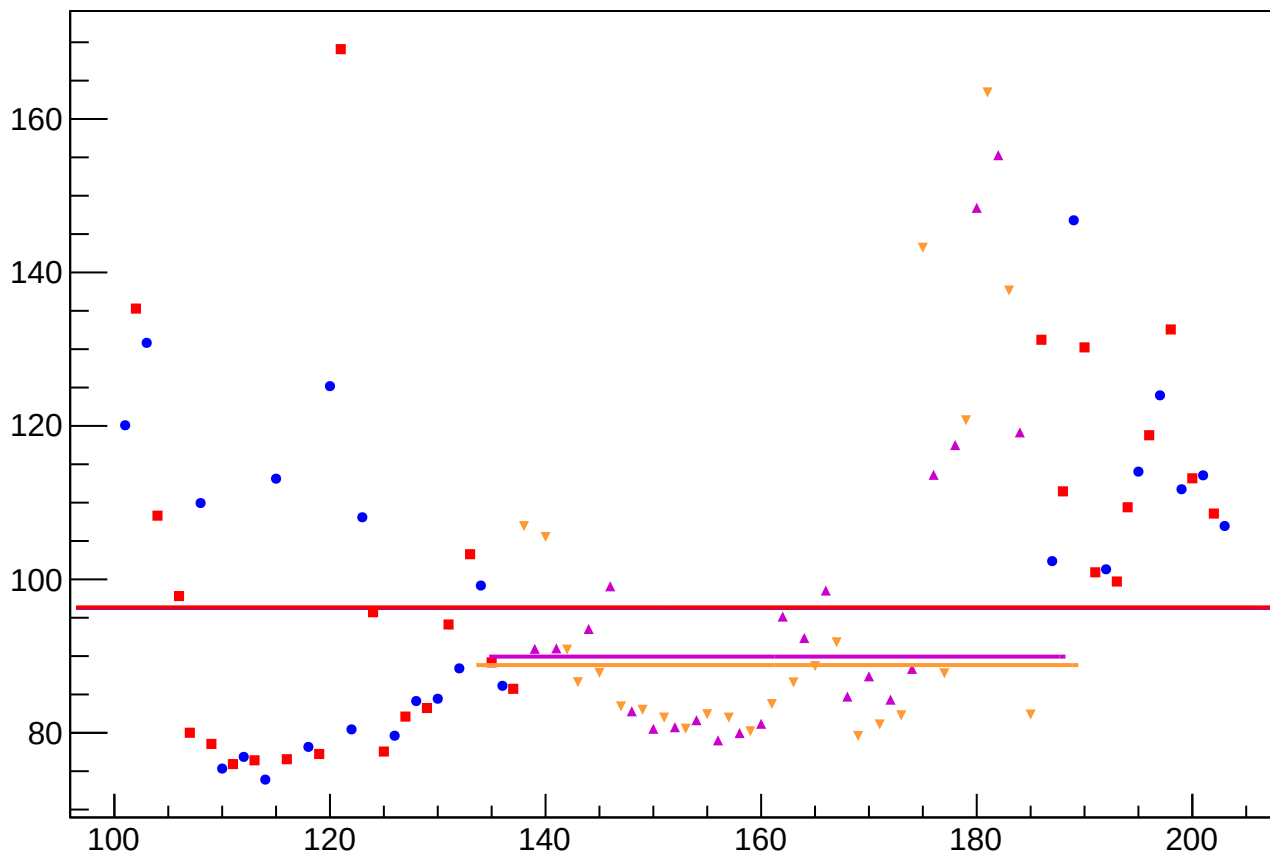
Right: -65.224 $\pm$ 19.503 χ^2/NDF : 64.4/52

In: 41.413 $\pm$ 17.420 χ^2/NDF :69.1/47

Out: 35.955 $\pm$ 16.637 χ^2/NDF :94.8/52

All: 38.559 $\pm$ 12.032 χ^2/NDF : 163.9/100

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 96.292 $\pm$ 0.020 χ^2/NDF : 820252.1/24

Left Out: 88.830 $\pm$ 0.015 χ^2/NDF : 1000651.2/24

Right Out: 96.334 $\pm$ 0.019 χ^2/NDF : 1036520.9/27

Left In: 89.934 $\pm$ 0.016 χ^2/NDF : 874129.5/22

Left: 89.364 $\pm$ 0.011 χ^2/NDF : 1877387.2/47

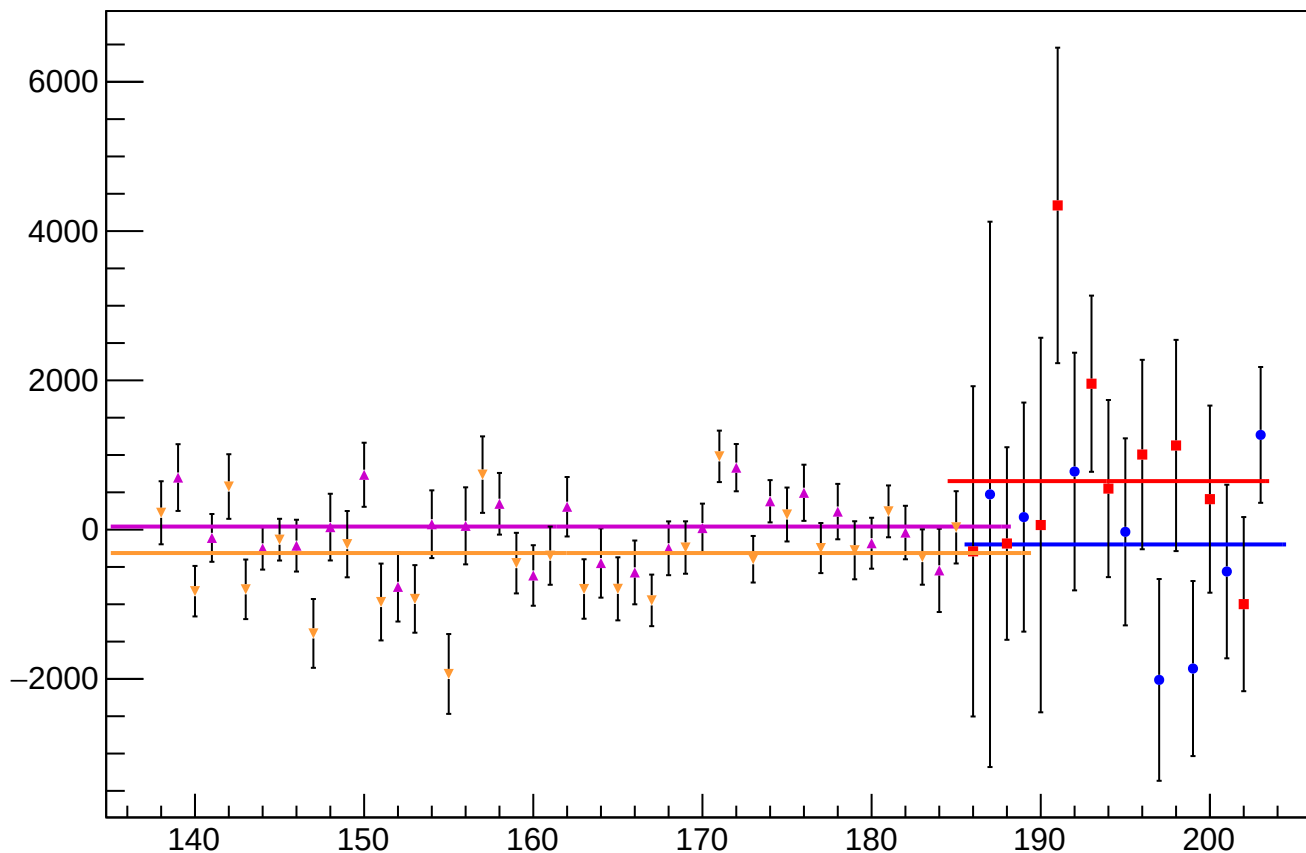
Right: 96.315 $\pm$ 0.014 χ^2/NDF : 1856775.4/52

In: 92.295 $\pm$ 0.012 χ^2/NDF : 1756575.0/47

Out: 91.749 $\pm$ 0.012 χ^2/NDF : 2133898.9/52

All: 92.010 $\pm$ 0.009 χ^2/NDF : 3891500.7/100

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -198.283+/-458.720 χ^2/NDF : 7.0/7

Left Out: -313.446+/-77.334 χ^2/NDF : 58.1/24

Right Out: 650.100+/-442.483 χ^2/NDF : 7.2/9

Left In: 41.244+/-78.858 χ^2/NDF : 28.0/22

Left: -139.560+/-55.214 χ^2/NDF : 96.4/47

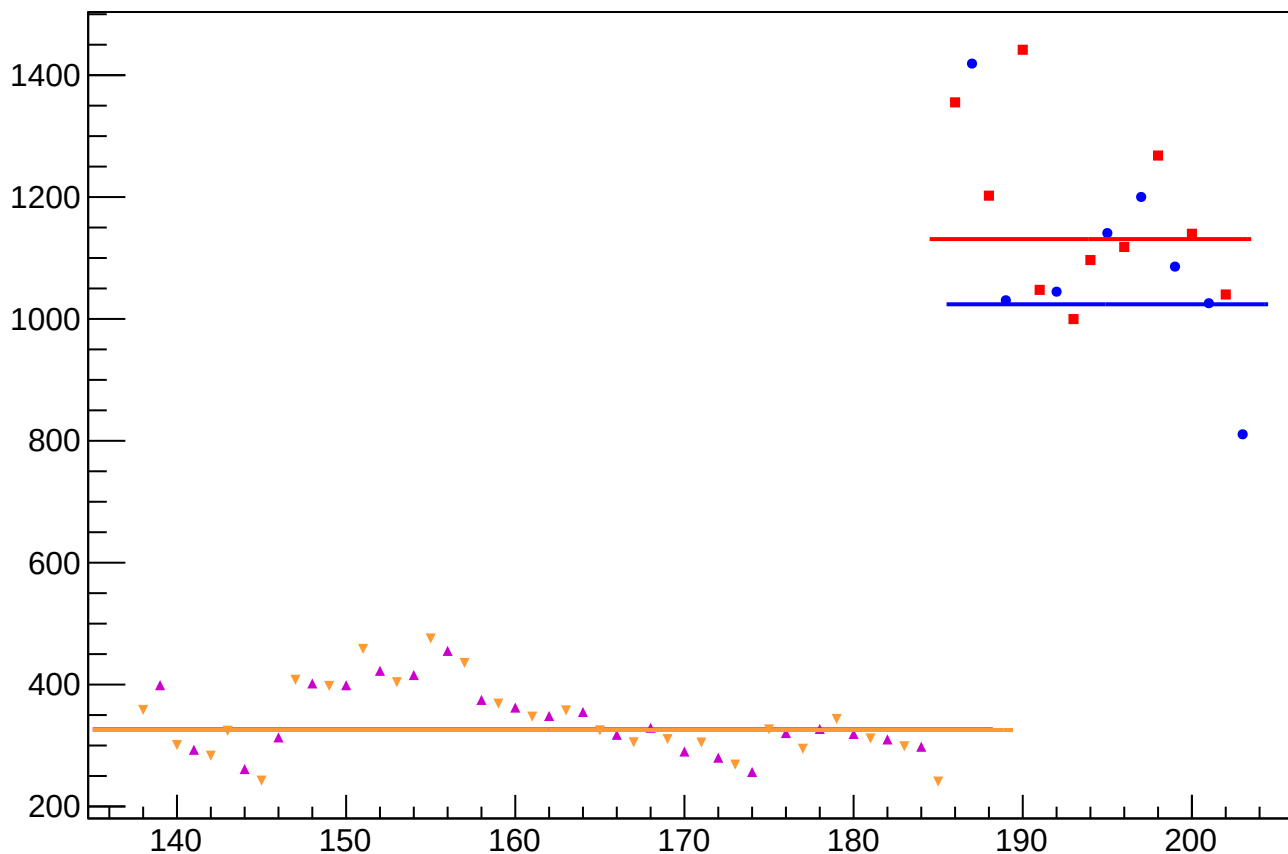
Right: 241.189+/-318.468 χ^2/NDF : 15.9/17

In: 34.368+/-77.718 χ^2/NDF : 35.3/30

Out: -284.886+/-76.180 χ^2/NDF : 69.9/34

All: -128.449+/-54.403 χ^2/NDF : 113.8/65

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 1024.037 $\pm$ 0.324 χ^2/NDF : 190603.3/7

Left Out: 325.432 $\pm$ 0.055 χ^2/NDF :1000974.7/24

Right Out: 1131.015 $\pm$ 0.313 χ^2/NDF : 118088.1/9

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

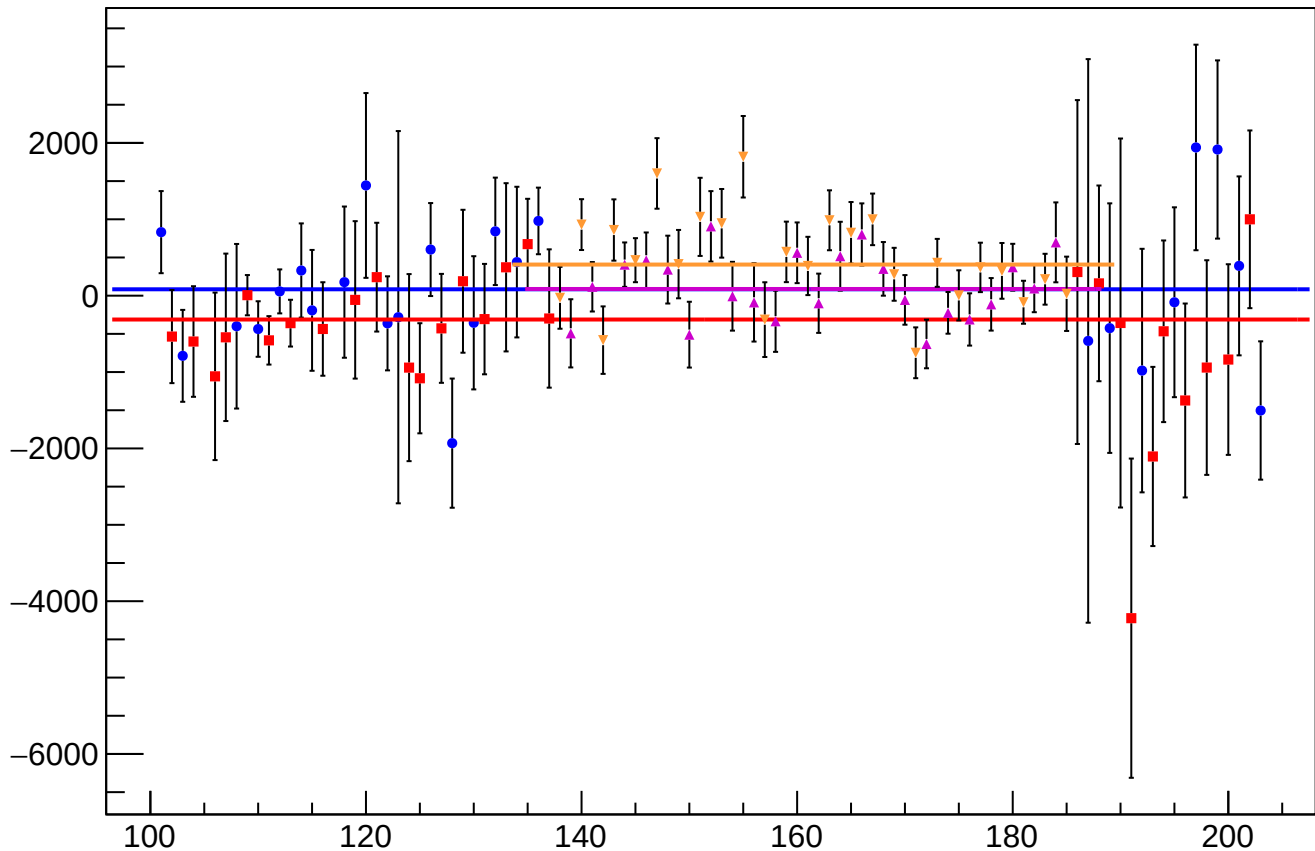
Right: 1079.453 $\pm$ 0.225 χ^2/NDF : 365037.7/17

In: 346.538 $\pm$ 0.055 χ^2/NDF :5523340.9/30

Out: 349.310 $\pm$ 0.054 χ^2/NDF :7551721.1/34

All: 347.952 $\pm$ 0.038 χ^2/NDF : 13076359.4/65

asym_sam7_mean vs Slug, Sign Corrected



Right In: 83.566+/-136.208 χ^2/NDF : 28.7/24

Left Out: 407.375+/-74.730 χ^2/NDF : 53.0/24

Right Out: -312.162+/-124.503 χ^2/NDF : 17.0/27

Left In: 87.657+/-76.572 χ^2/NDF : 27.4/22

Left: 251.406+/-53.481 χ^2/NDF : 89.4/47

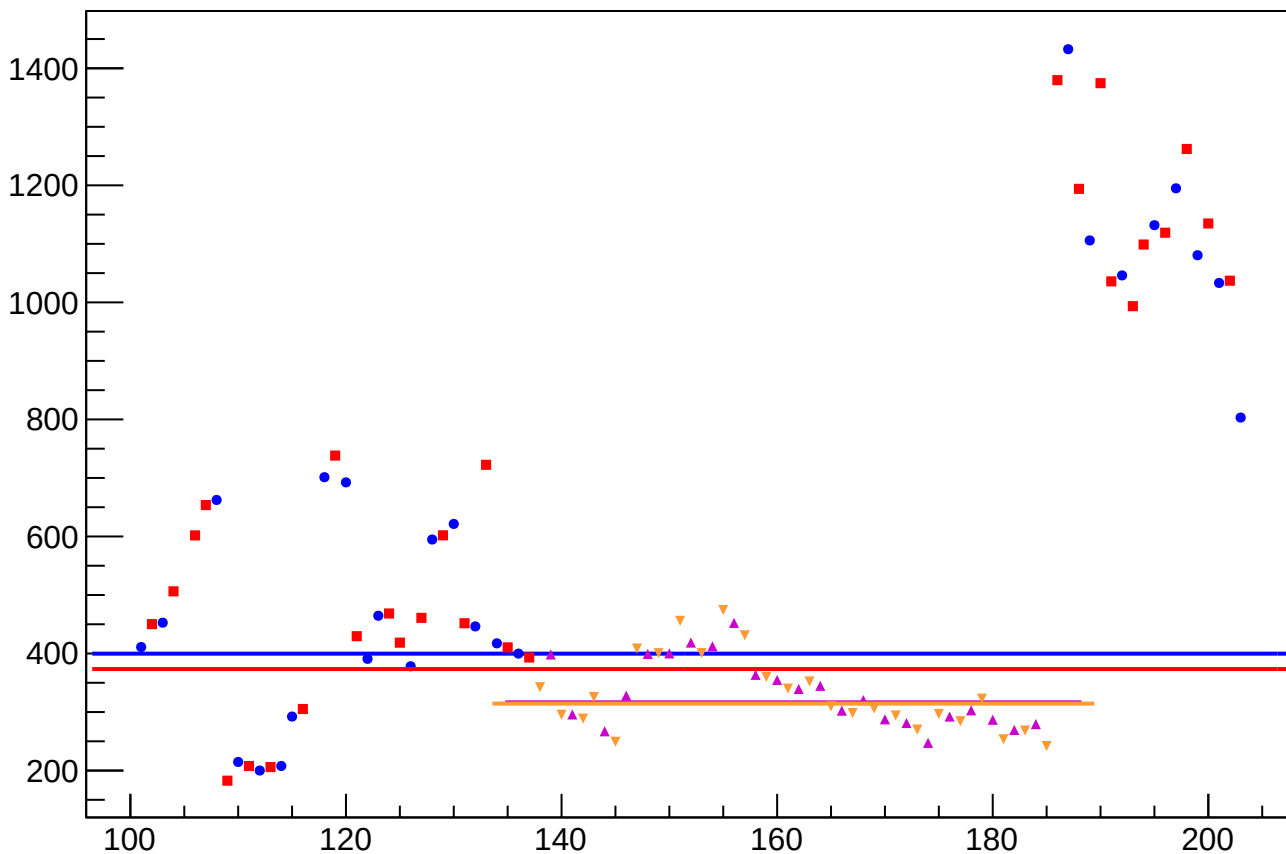
Right: -132.030+/-91.897 χ^2/NDF : 50.3/52

In: 86.674+/-66.747 χ^2/NDF : 56.1/47

Out: 216.802+/-64.074 χ^2/NDF : 94.6/52

All: 154.396+/-46.224 χ^2/NDF : 152.7/100

asym_sam7_rms vs Slug, Sign Corrected



Right In: 399.774 $\pm$ 0.096 χ^2 /NDF: 6312992.4/24

Left Out: 314.405 $\pm$ 0.053 χ^2 /NDF: 1112244.9/24

Right Out: 373.462 $\pm$ 0.088 χ^2 /NDF: 9152403.4/27

Left In: 316.616 $\pm$ 0.054 χ^2 /NDF: 929652.0/22

Left: 315.484 $\pm$ 0.038 χ^2 /NDF: 2042751.4/47

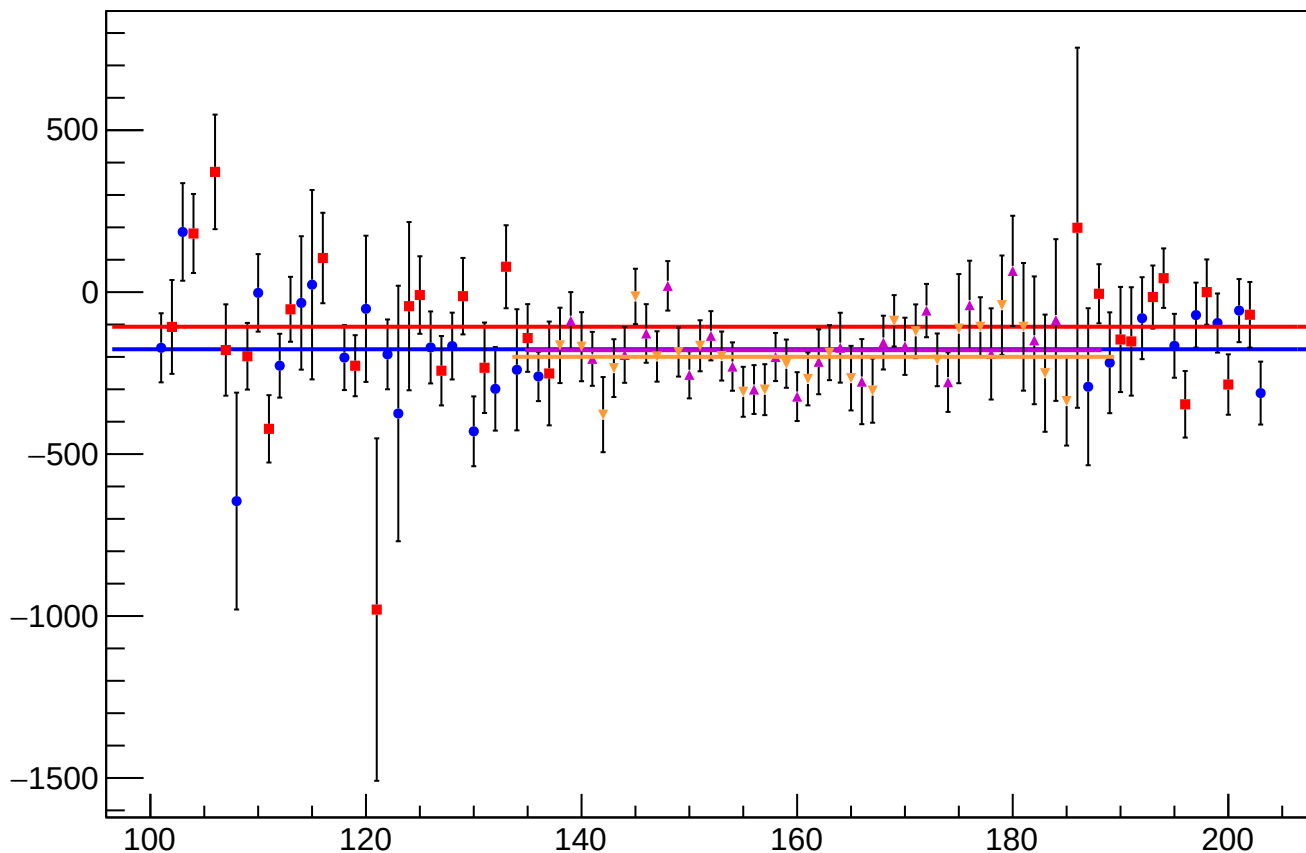
Right: 385.439 $\pm$ 0.065 χ^2 /NDF: 15506057.2/52

In: 336.586 $\pm$ 0.047 χ^2 /NDF: 7809098.0/47

Out: 330.046 $\pm$ 0.045 χ^2 /NDF: 10595466.7/52

All: 333.182 $\pm$ 0.033 χ^2 /NDF: 18414555.3/100

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -176.374 $\pm$ 23.997 χ^2/NDF : 25.7/24

Left Out: -199.640 $\pm$ 18.452 χ^2/NDF :20.2/24

Right Out: -106.817 $\pm$ 22.564 χ^2/NDF : 52.5/27

Left In: -179.154 $\pm$ 19.112 χ^2/NDF :23.9/22

Left: -189.757 $\pm$ 13.275 χ^2/NDF : 44.6/47

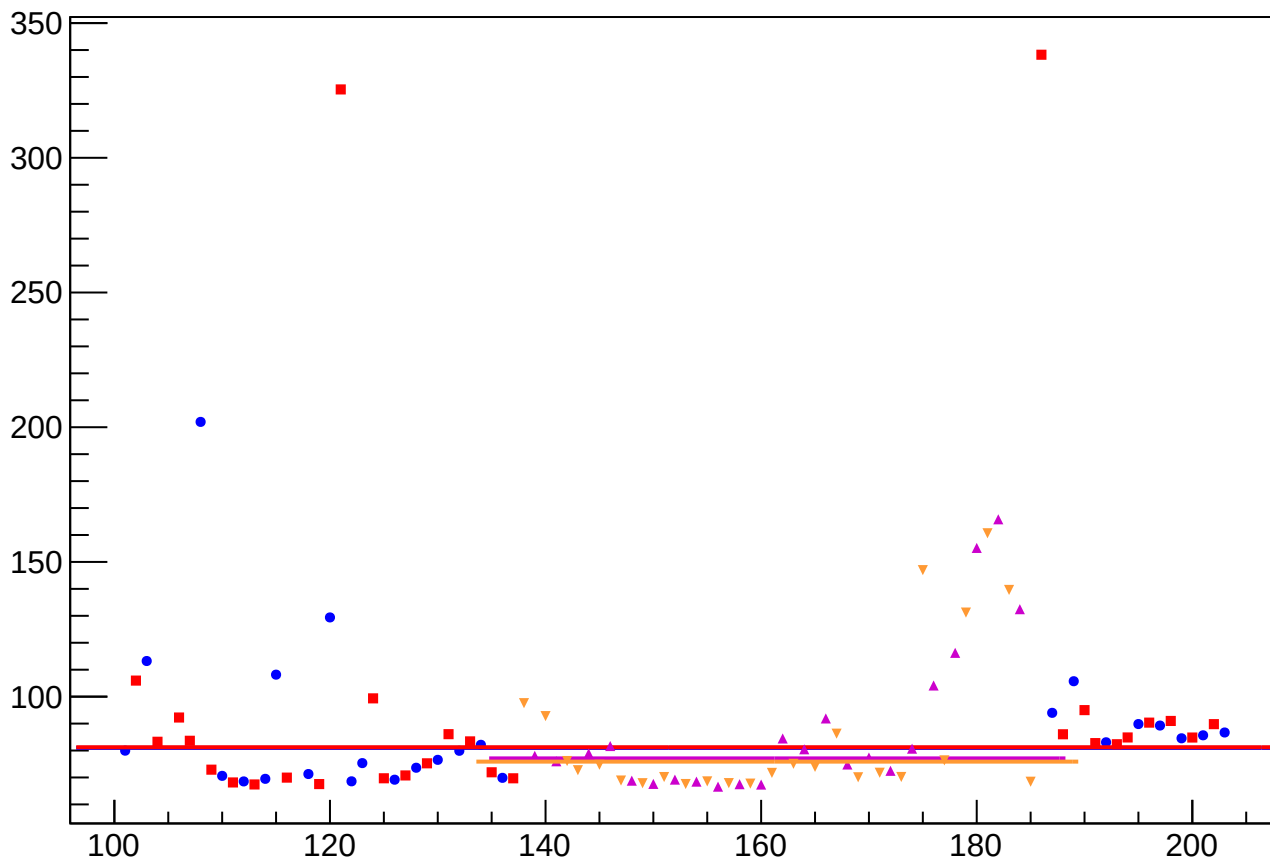
Right: -139.457 $\pm$ 16.438 χ^2/NDF : 82.6/52

In: -178.075 $\pm$ 14.950 χ^2/NDF :49.6/47

Out: -162.442 $\pm$ 14.284 χ^2/NDF :82.8/52

All: -169.903 $\pm$ 10.328 χ^2/NDF : 132.9/100

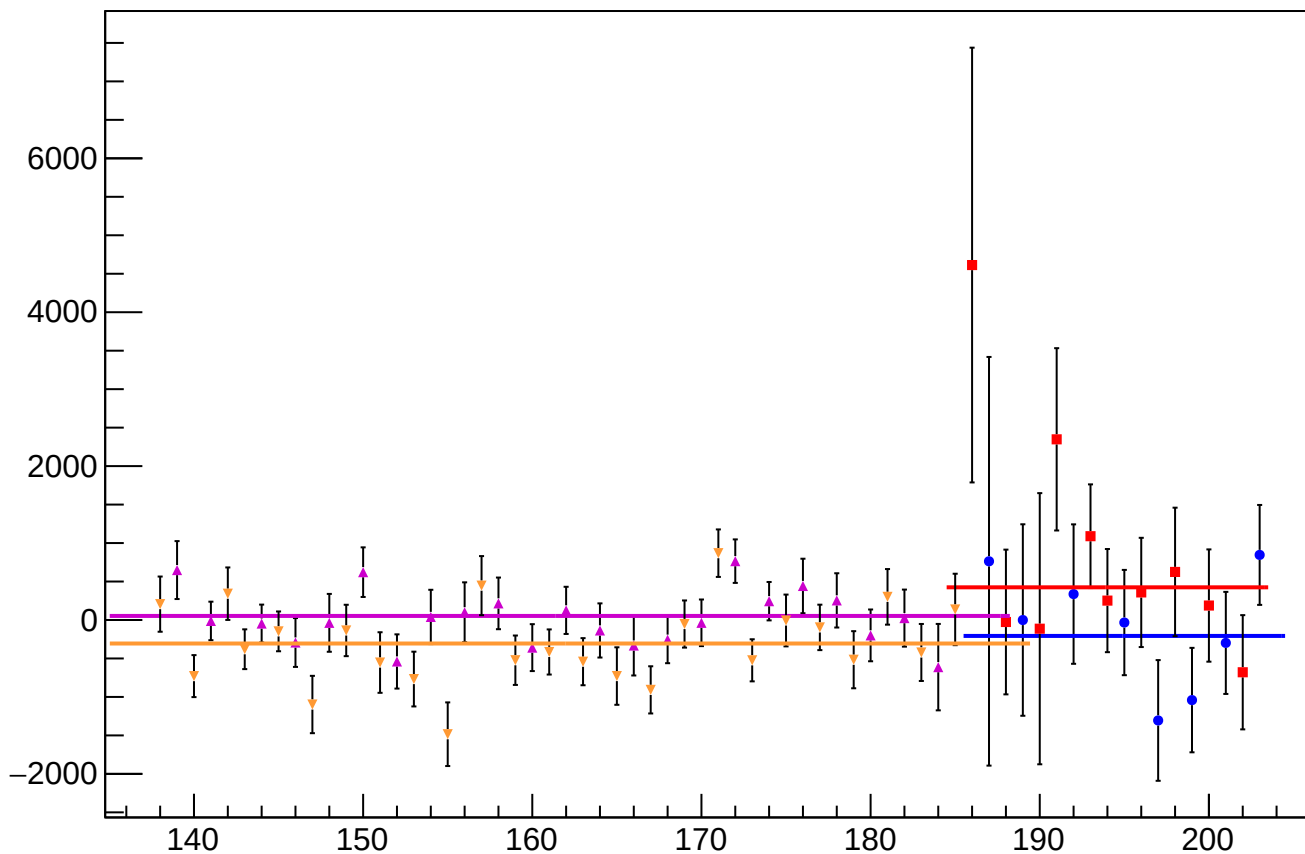
dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 80.975 ± 0.017 χ^2/NDF : 741290.2/24
 Left Out: 75.883 ± 0.013 χ^2/NDF : 1552500.3/24
 Right Out: 81.217 ± 0.016 χ^2/NDF : 1216293.0/27
 Left In: 77.080 ± 0.014 χ^2/NDF : 1422981.1/22

Left: 76.460 ± 0.009 χ^2/NDF : 2979537.9/47
 Right: 81.103 ± 0.012 χ^2/NDF : 1957690.7/52
 In: 78.592 ± 0.011 χ^2/NDF : 2196522.7/47
 Out: 78.021 ± 0.010 χ^2/NDF : 2835758.5/52
 All: 78.293 ± 0.007 χ^2/NDF : 5033806.5/100

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: -207.074 $\pm$ 281.907 χ^2 /NDF: 6.7/7

Left Out: -305.659 $\pm$ 65.327 χ^2 /NDF:54.9/24

Right Out: 424.606 $\pm$ 268.891 χ^2 /NDF: 8.6/9

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

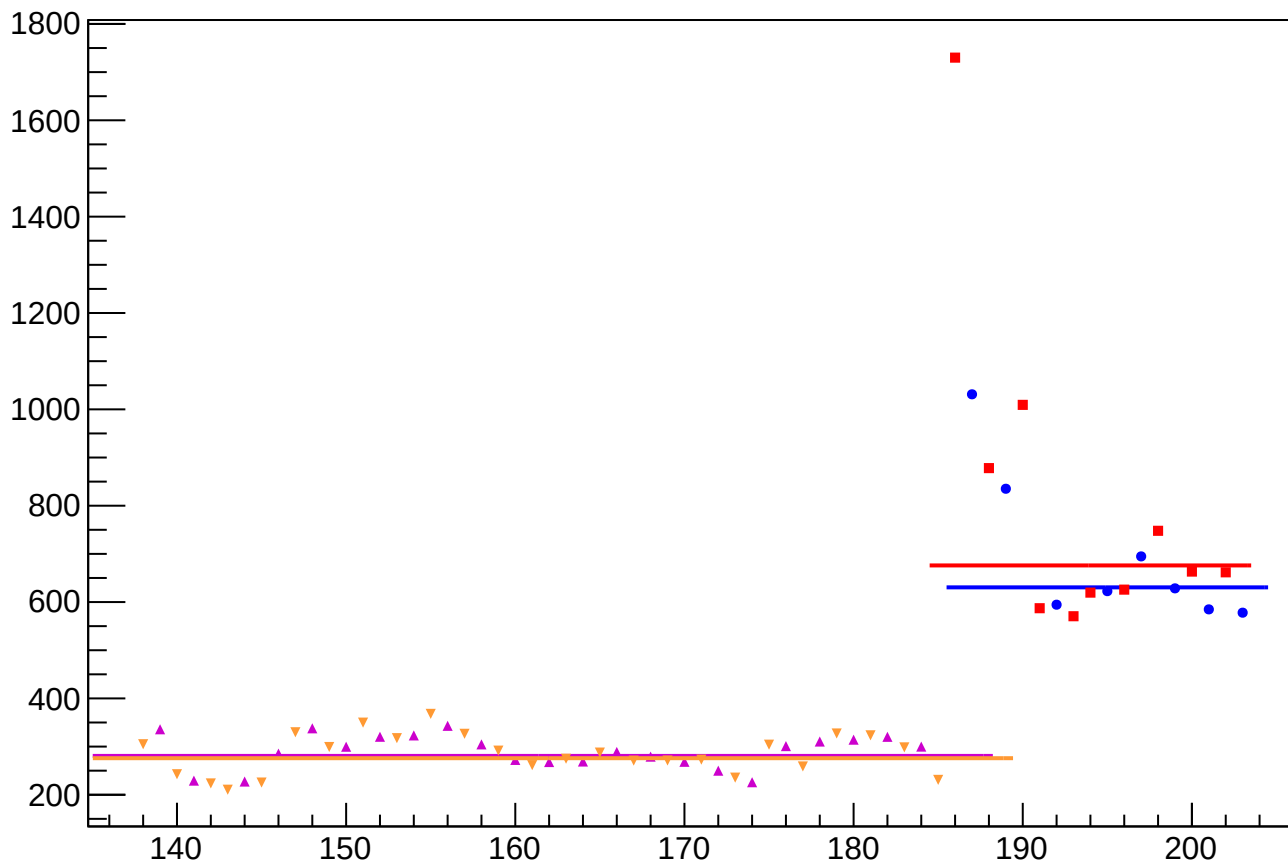
Right: 123.685 $\pm$ 194.574 χ^2 /NDF: 17.9/17

In: 38.655 $\pm$ 65.680 χ^2 /NDF:32.4/30

Out: -264.958 $\pm$ 63.480 χ^2 /NDF:70.4/34

All: -118.322 $\pm$ 45.645 χ^2 /NDF: 113.8/65

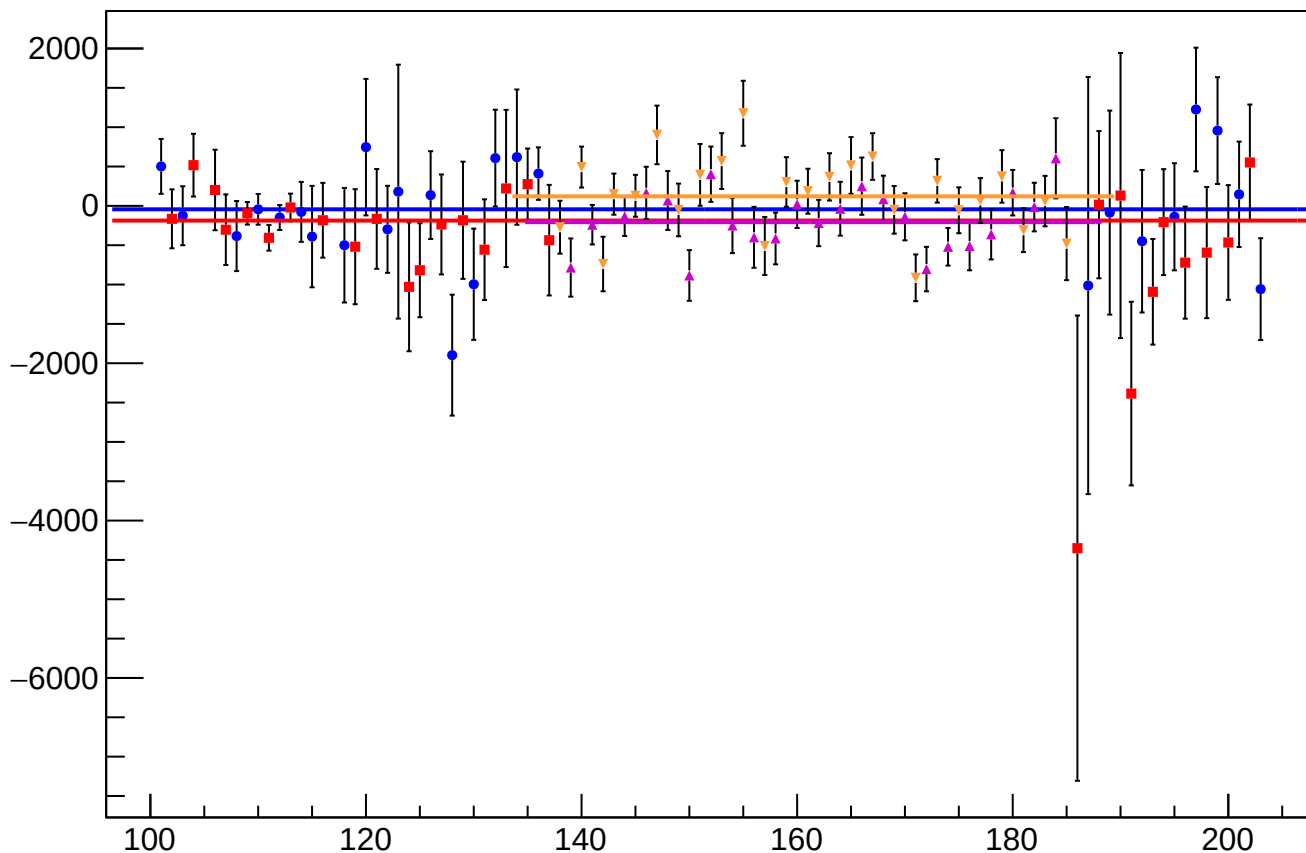
asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 630.507 $\pm$ 0.199 χ^2 /NDF: 139112.9/7
 Left Out: 275.901 $\pm$ 0.046 χ^2 /NDF: 753109.6/24
 Right Out: 676.024 $\pm$ 0.190 χ^2 /NDF: 542826.3/9
 Left In: 280.628 $\pm$ 0.048 χ^2 /NDF: 587415.9/22

Left: 278.186 $\pm$ 0.033 χ^2 /NDF: 1345588.4/47
 Right: 654.341 $\pm$ 0.138 χ^2 /NDF: 709239.2/17
 In: 299.621 $\pm$ 0.046 χ^2 /NDF: 3640024.9/30
 Out: 298.201 $\pm$ 0.045 χ^2 /NDF: 5477681.9/34
 All: 298.887 $\pm$ 0.032 χ^2 /NDF: 9118189.7/65

asym_sam8_mean vs Slug, Sign Corrected



Right In: -43.757 ± 86.063 χ^2/NDF : 24.2/24

Left Out: 121.185 ± 62.911 χ^2/NDF : 49.0/24

Right Out: -186.676 ± 74.063 χ^2/NDF : 20.3/27

Left In: -207.047 ± 65.246 χ^2/NDF : 27.8/22

Left: -36.951 ± 45.288 χ^2/NDF : 89.9/47

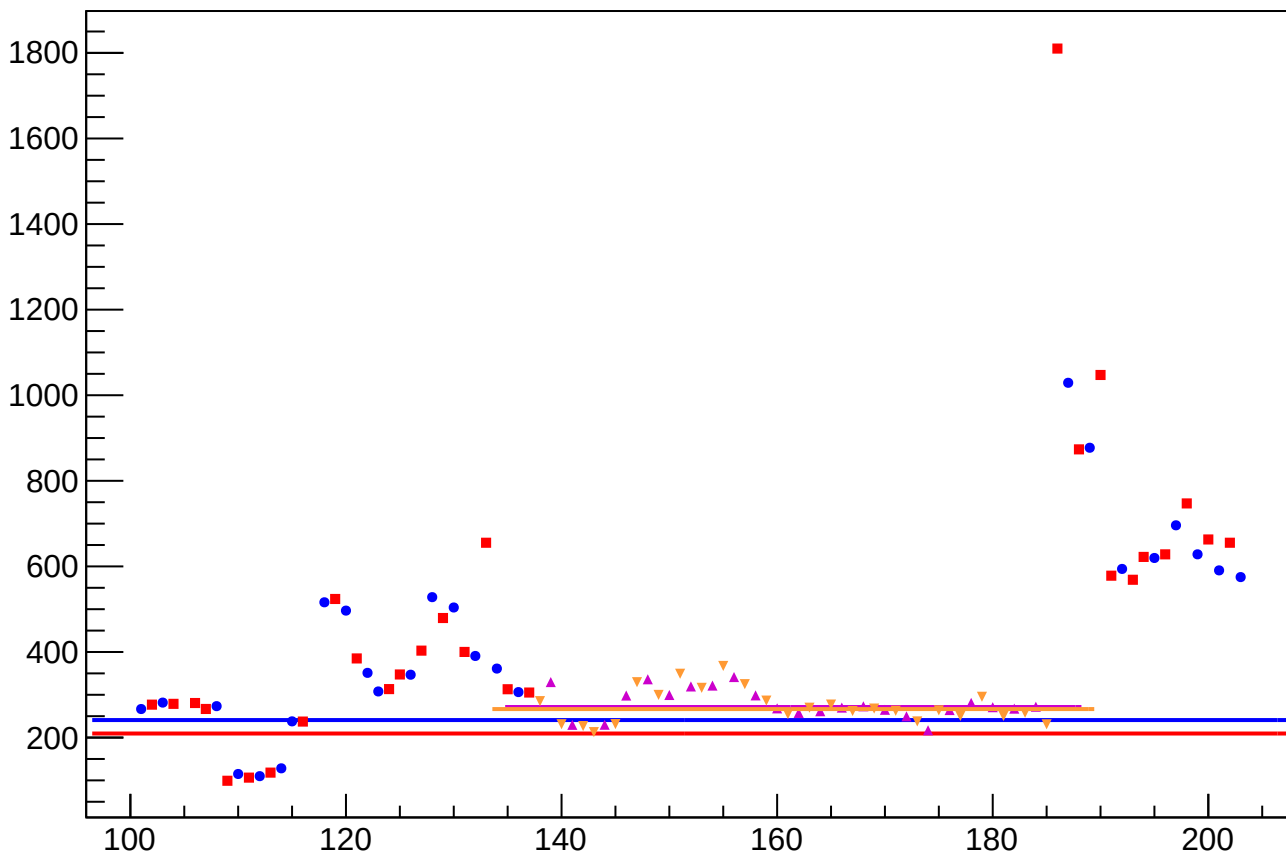
Right: -125.867 ± 56.138 χ^2/NDF : 46.2/52

In: -147.450 ± 51.994 χ^2/NDF : 54.3/47

Out: -7.846 ± 47.948 χ^2/NDF : 79.4/52

All: -72.005 ± 35.248 χ^2/NDF : 137.6/100

asym_sam8_rms vs Slug, Sign Corrected



Right In: 240.929+/-0.061 χ^2/NDF : 7810393.7/24

Left Out: 266.618+/-0.044 χ^2/NDF : 639230.8/24

Right Out: 209.484+/-0.052 χ^2/NDF : 11130645.6/27

Left In: 271.451+/-0.046 χ^2/NDF : 530897.8/22

Left: 268.946+/-0.032 χ^2/NDF : 1175815.9/47

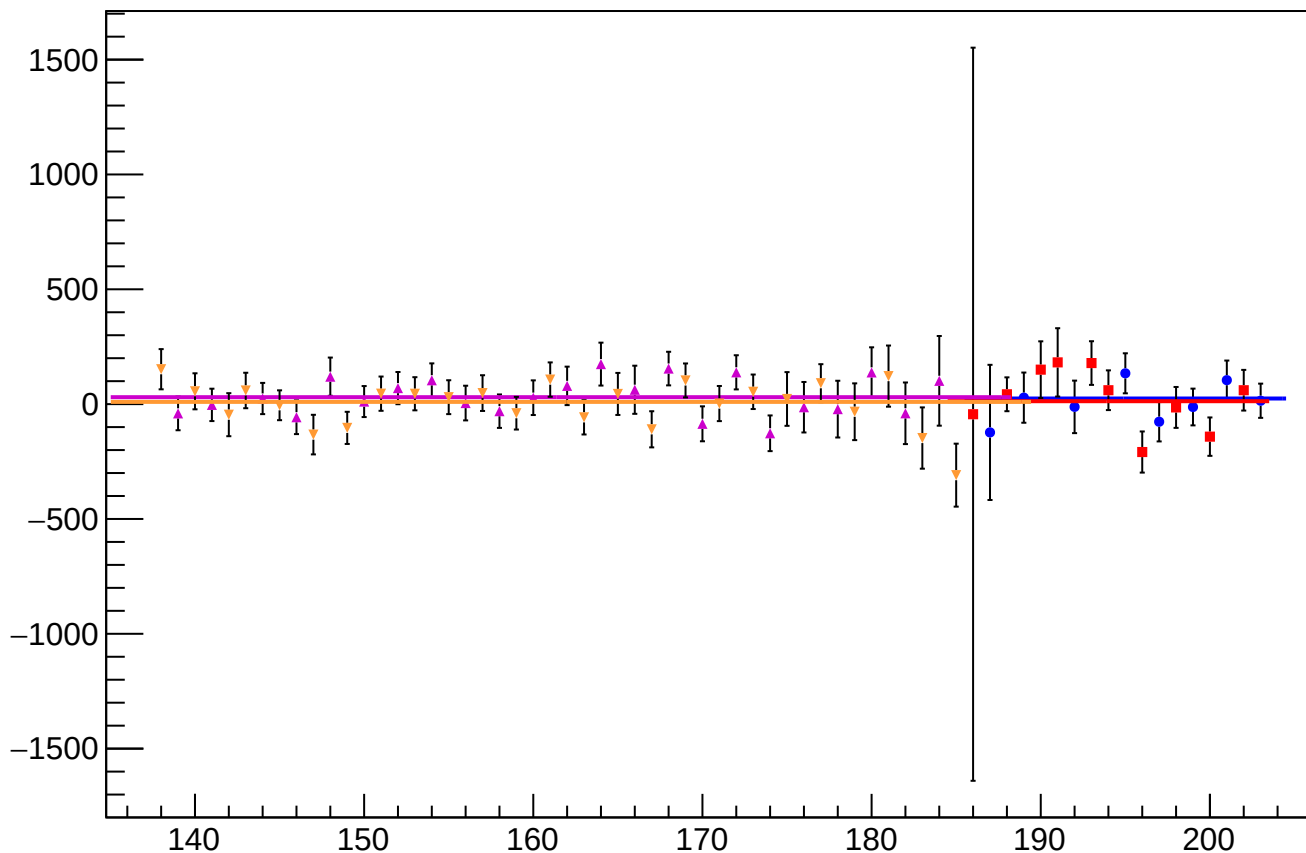
Right: 222.863+/-0.040 χ^2/NDF : 19094435.1/52

In: 260.311+/-0.037 χ^2/NDF : 8501029.2/47

Out: 242.672+/-0.034 χ^2/NDF : 12461235.0/52

All: 250.778+/-0.025 χ^2/NDF : 21086663.6/100

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 24.446 ± 33.088 $\chi^2/\text{NDF}: 4.4/7$

Left Out: 9.762 ± 16.463 $\chi^2/\text{NDF}: 25.9/24$

Right Out: 12.702 ± 30.696 $\chi^2/\text{NDF}: 16.0/9$

Left In: 30.236 ± 17.031 $\chi^2/\text{NDF}: 21.9/22$

Left: 19.652 ± 11.837 $\chi^2/\text{NDF}: 48.6/47$

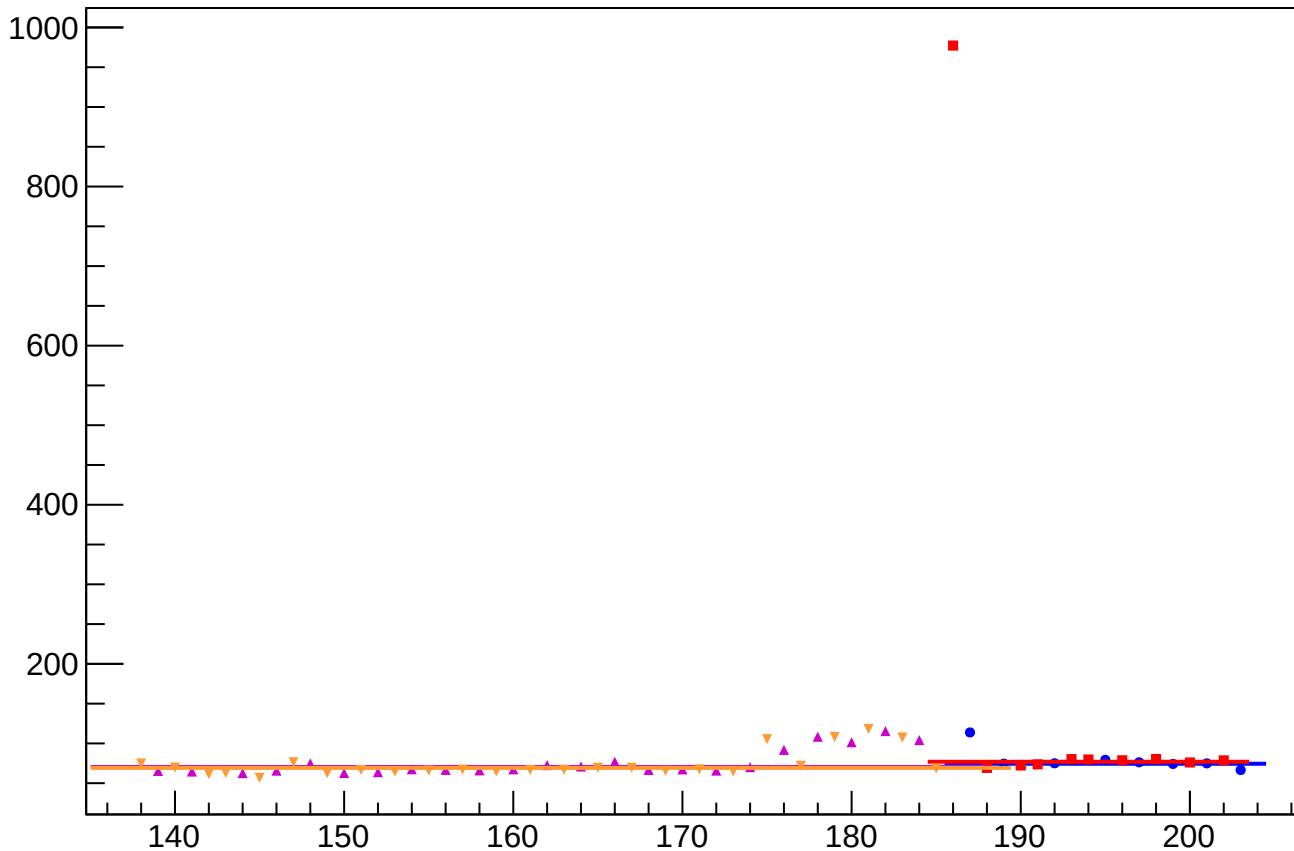
Right: 18.134 ± 22.503 $\chi^2/\text{NDF}: 20.5/17$

In: 29.023 ± 15.143 $\chi^2/\text{NDF}: 26.4/30$

Out: 10.419 ± 14.508 $\chi^2/\text{NDF}: 41.9/34$

All: 19.323 ± 10.476 $\chi^2/\text{NDF}: 69.0/65$

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 74.445 $\pm$ 0.023 χ^2 /NDF: 65597.0/7

Left Out: 69.234 $\pm$ 0.012 χ^2 /NDF: 1005922.1/24

Right Out: 76.926 $\pm$ 0.022 χ^2 /NDF: 671502.3/9

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

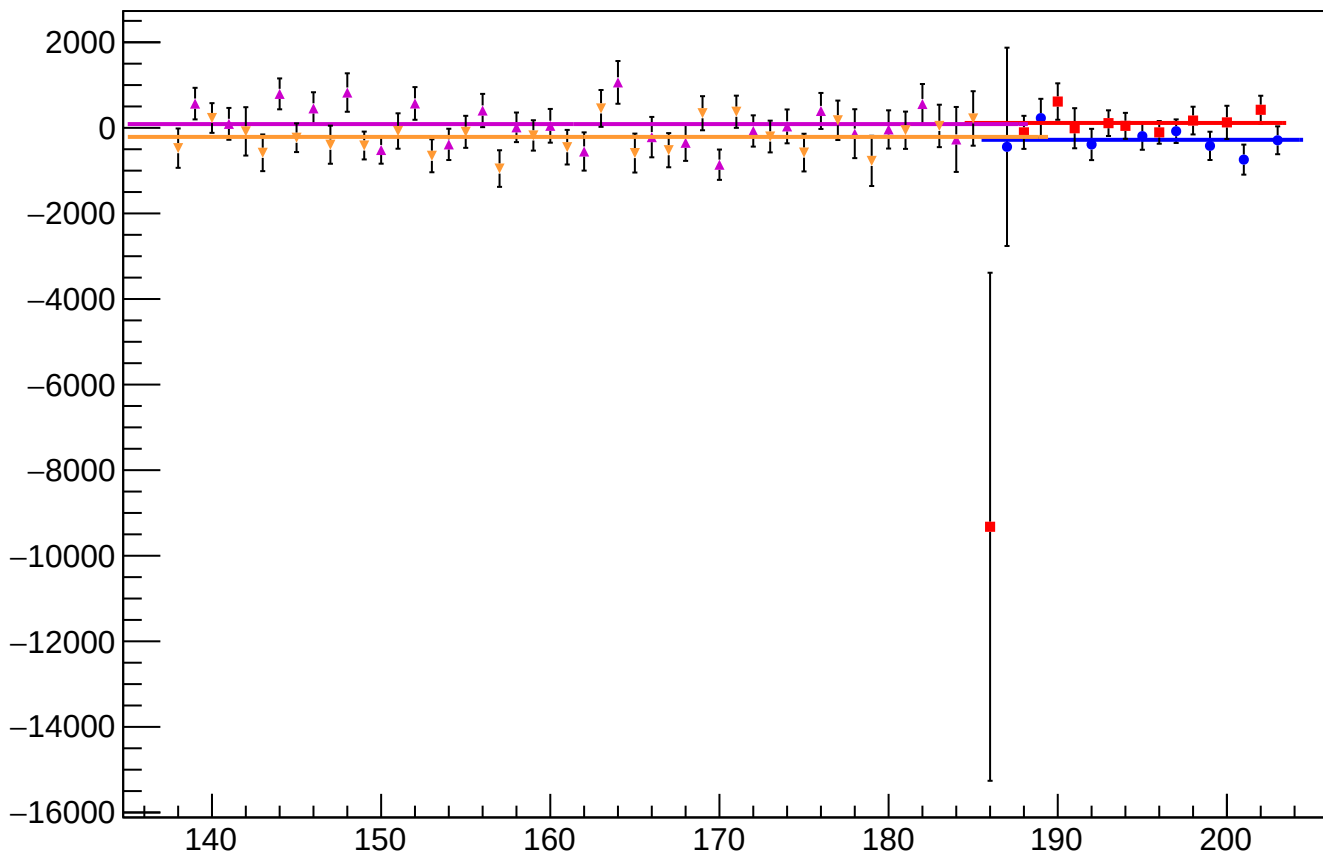
Right: 75.779 $\pm$ 0.016 χ^2 /NDF: 743145.2/17

In: 71.186 $\pm$ 0.011 χ^2 /NDF: 952247.5/30

Out: 70.952 $\pm$ 0.010 χ^2 /NDF: 1774971.2/34

All: 71.064 $\pm$ 0.007 χ^2 /NDF: 2727466.7/65

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: -279.506 ± 126.657 χ^2/NDF : 3.9/7

Left Out: -211.526 ± 82.780 χ^2/NDF : 19.4/24

Right Out: 114.526 ± 112.867 χ^2/NDF : 6.0/9

Left In: 88.062 ± 84.309 χ^2/NDF : 33.5/22

Left: -64.474 ± 59.067 χ^2/NDF : 59.3/47

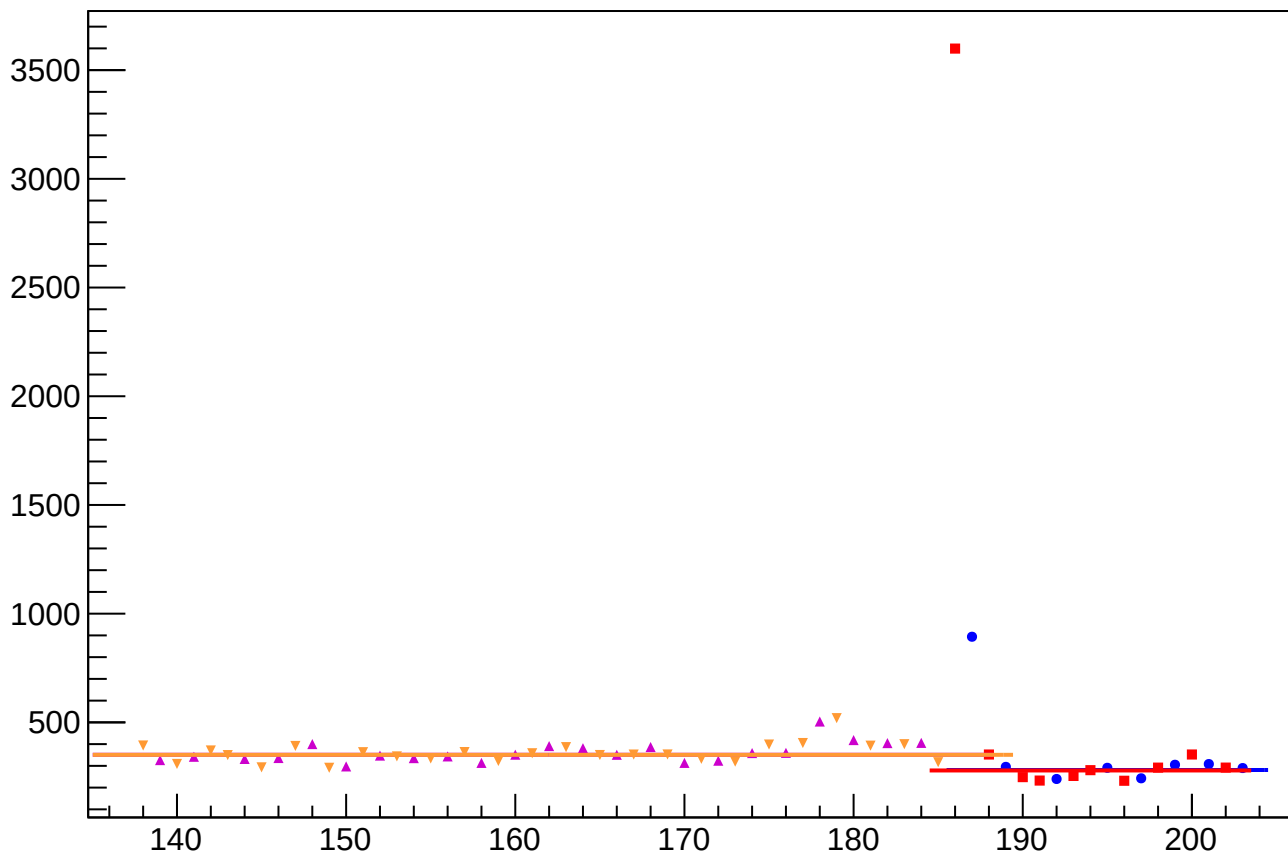
Right: -59.878 ± 84.264 χ^2/NDF : 15.2/17

In: -24.797 ± 70.183 χ^2/NDF : 43.2/30

Out: -97.482 ± 66.751 χ^2/NDF : 30.8/34

All: -62.960 ± 48.368 χ^2/NDF : 74.5/65

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 280.960+/-0.090 χ^2/NDF : 232287.3/7

Left Out: 350.780+/-0.059 χ^2/NDF : 506274.4/24

Right Out: 278.817+/-0.080 χ^2/NDF : 883921.7/9

Left In: 350.944+/-0.060 χ^2/NDF : 424876.4/22

Left: 350.861+/-0.042 χ^2/NDF : 931154.7/47

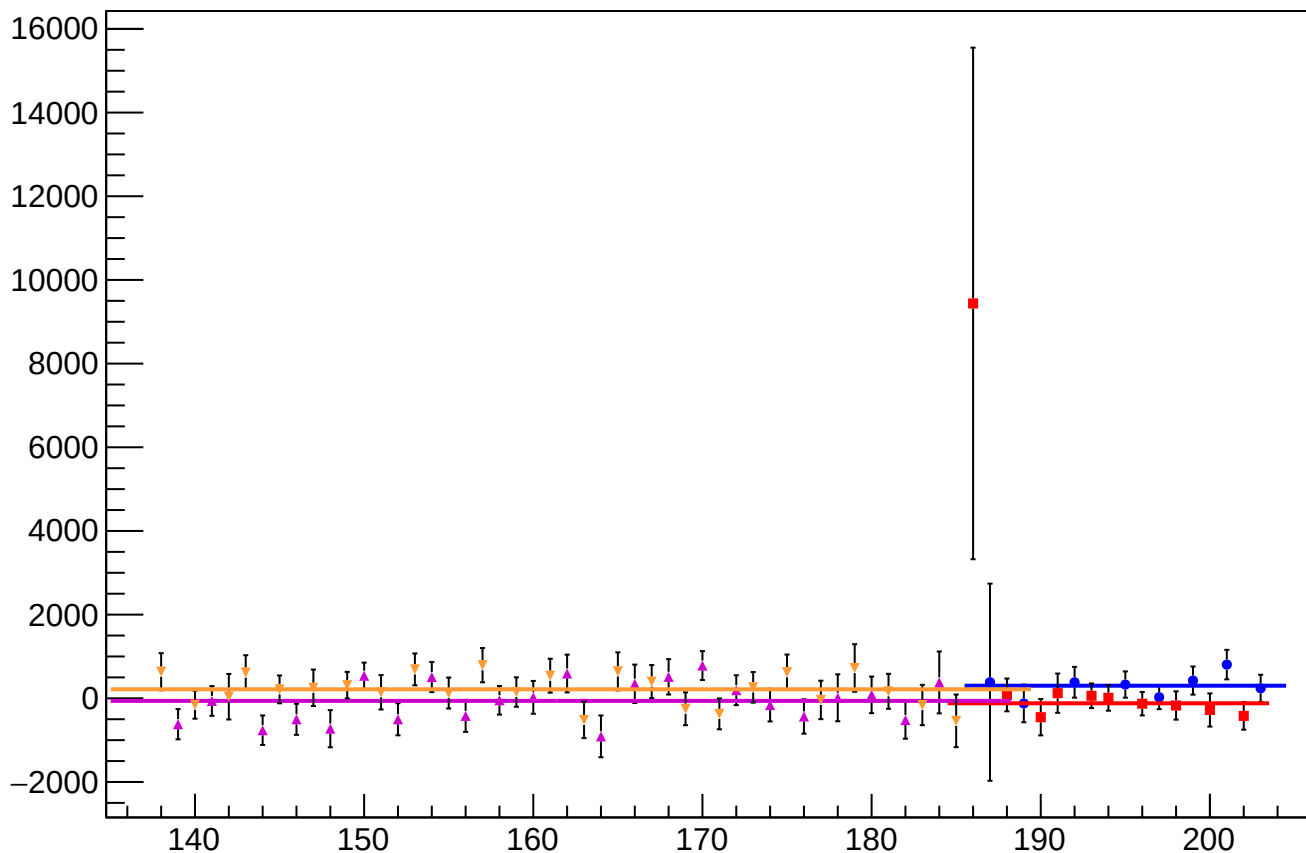
Right: 279.766+/-0.060 χ^2/NDF : 1116528.1/17

In: 329.457+/-0.050 χ^2/NDF : 1080293.4/30

Out: 325.610+/-0.047 χ^2/NDF : 1918864.8/34

All: 327.437+/-0.034 χ^2/NDF : 3002312.7/65

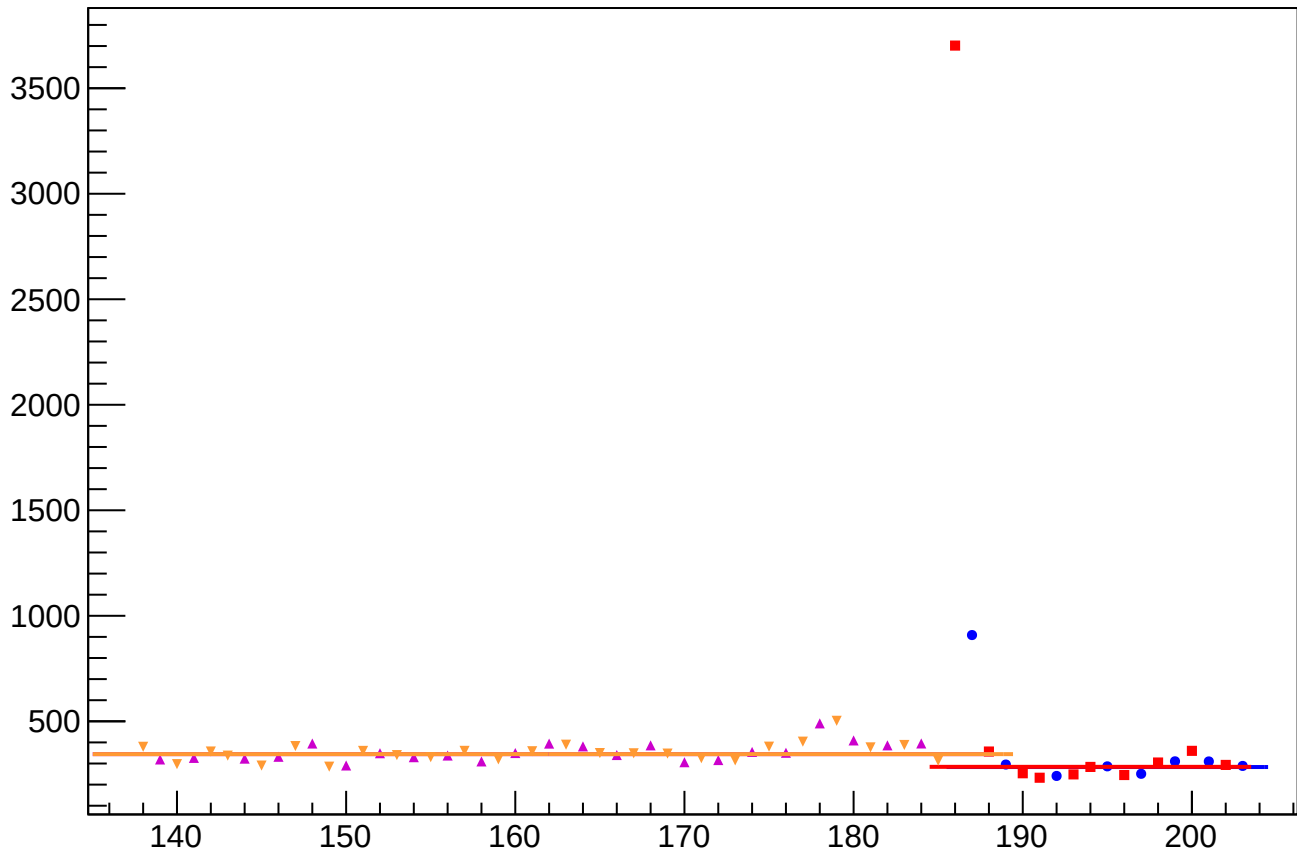
asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 300.852 ± 127.706 $\chi^2/\text{NDF}: 4.1/7$
 Left Out: 215.214 ± 81.235 $\chi^2/\text{NDF}: 19.6/24$
 Right Out: -119.074 ± 115.028 $\chi^2/\text{NDF}: 5.1/9$
 Left In: -61.730 ± 82.841 $\chi^2/\text{NDF}: 34.9/22$

Left: 79.453 ± 58.001 $\chi^2/\text{NDF}: 60.2/47$
 Right: 69.016 ± 85.469 $\chi^2/\text{NDF}: 15.2/17$
 In: 45.654 ± 69.499 $\chi^2/\text{NDF}: 44.7/30$
 Out: 103.972 ± 66.356 $\chi^2/\text{NDF}: 30.4/34$
 All: 76.162 ± 47.993 $\chi^2/\text{NDF}: 75.4/65$

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 283.337 $\pm$ 0.090 χ^2 /NDF: 218899.0/7

Left Out: 344.439 $\pm$ 0.057 χ^2 /NDF: 488381.9/24

Right Out: 284.248 $\pm$ 0.081 χ^2 /NDF: 877845.8/9

Left In: 344.475 $\pm$ 0.059 χ^2 /NDF: 433401.7/22

Left: 344.457 $\pm$ 0.041 χ^2 /NDF: 921783.8/47

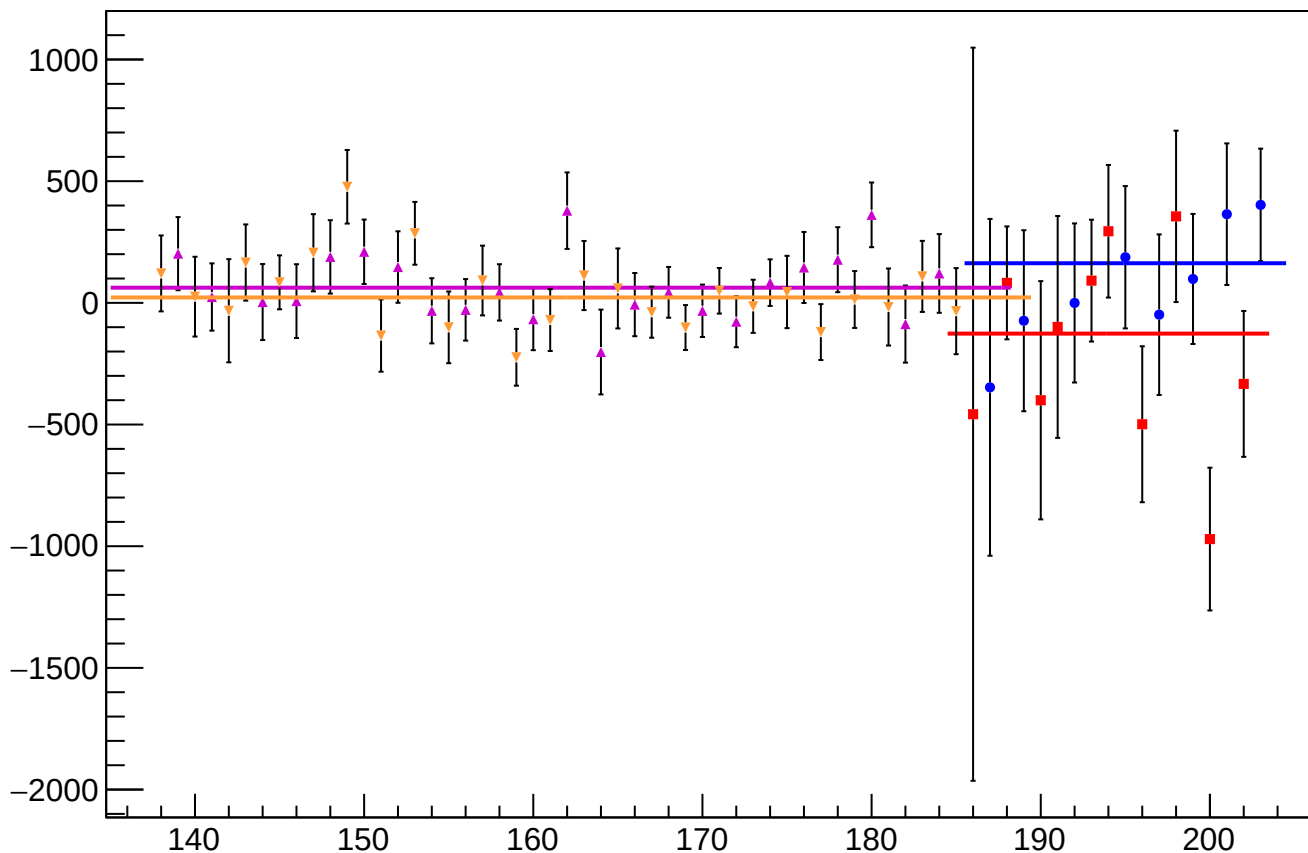
Right: 283.840 $\pm$ 0.060 χ^2 /NDF: 1096801.1/17

In: 326.368 $\pm$ 0.049 χ^2 /NDF: 974924.4/30

Out: 324.409 $\pm$ 0.047 χ^2 /NDF: 1731622.3/34

All: 325.343 $\pm$ 0.034 χ^2 /NDF: 2707378.0/65

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 162.848 $\pm$ 109.060 χ^2 /NDF: 3.2/7

Left Out: 22.164 $\pm$ 26.284 χ^2 /NDF:28.1/24

Right Out: -126.357 $\pm$ 101.020 χ^2 /NDF: 16.3/9

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

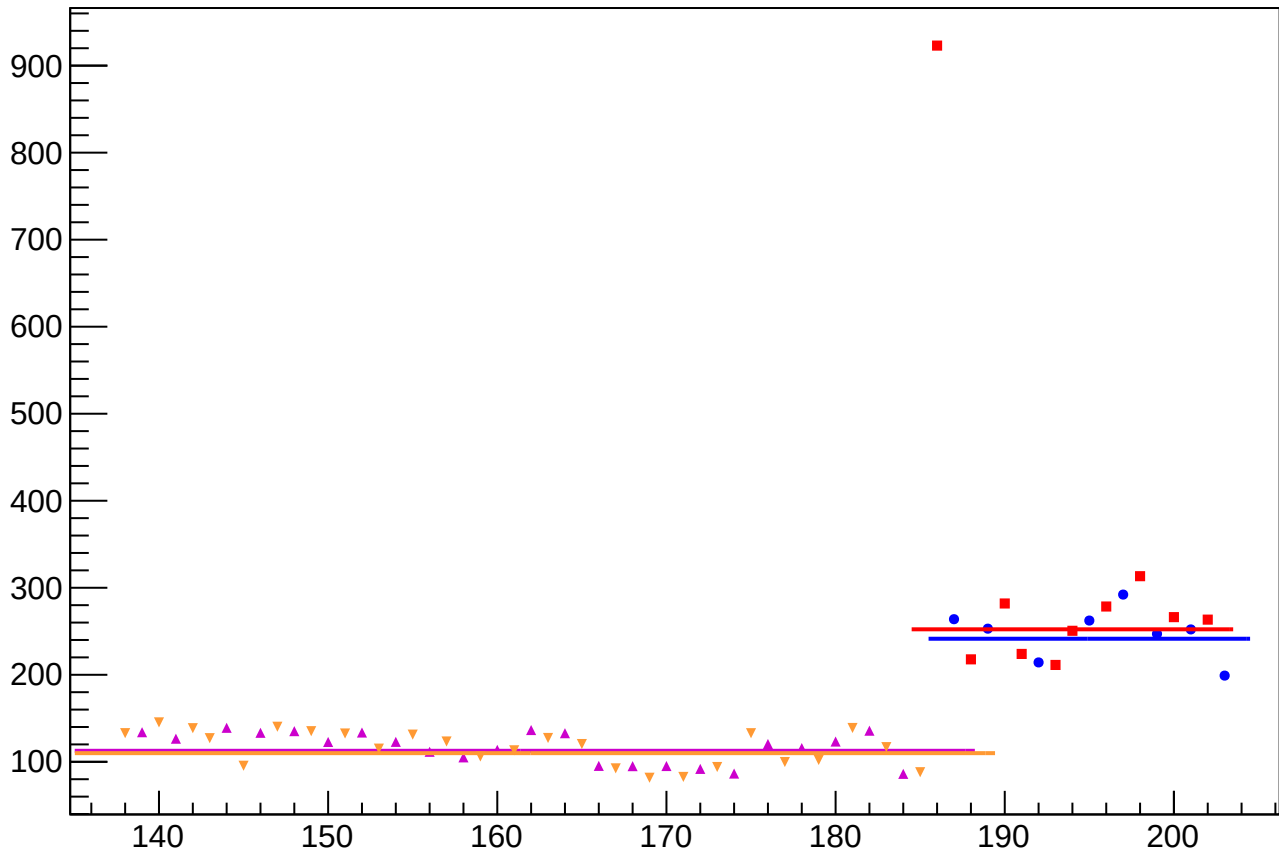
Right: 7.193 $\pm$ 74.111 χ^2 /NDF: 23.3/17

In: 68.279 $\pm$ 26.573 χ^2 /NDF:26.0/30

Out: 12.747 $\pm$ 25.437 χ^2 /NDF:46.4/34

All: 39.301 $\pm$ 18.375 χ^2 /NDF: 74.7/65

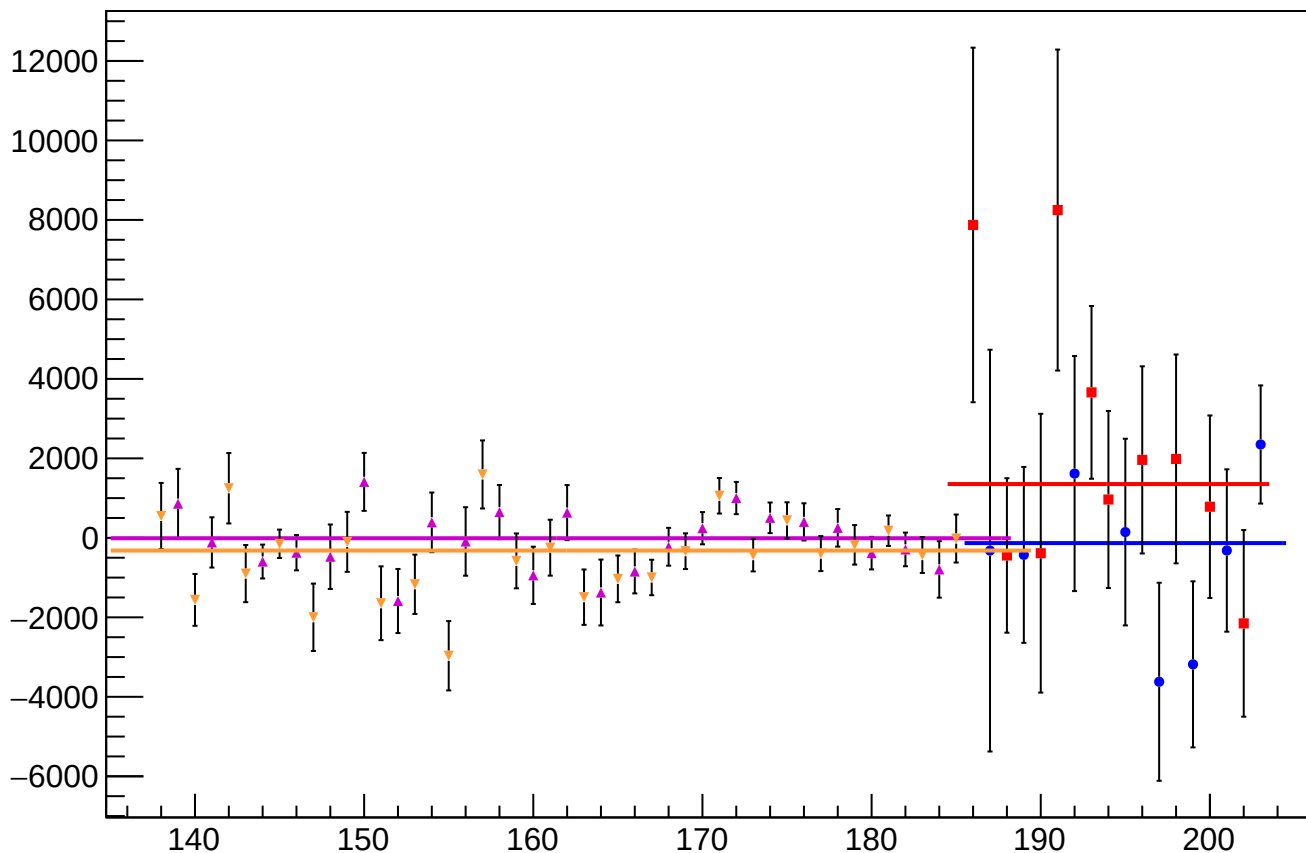
dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 241.424 $\pm$ 0.077 χ^2 /NDF: 146135.5/7
 Left Out: 109.953 $\pm$ 0.019 χ^2 /NDF:1140626.9/24
 Right Out: 252.258 $\pm$ 0.071 χ^2 /NDF: 590302.2/9
 Left In: 112.657 $\pm$ 0.019 χ^2 /NDF:835831.1/22

Left: 111.249 $\pm$ 0.013 χ^2 /NDF: 1986605.7/47
 Right: 247.255 $\pm$ 0.052 χ^2 /NDF: 747059.8/17
 In: 120.301 $\pm$ 0.019 χ^2 /NDF:3604550.8/30
 Out: 118.975 $\pm$ 0.018 χ^2 /NDF:5448100.4/34
 All: 119.609 $\pm$ 0.013 χ^2 /NDF: 9055249.6/65

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -131.890+/-785.315 χ^2/NDF : 7.3/7

Left Out: -319.391+/-110.306 χ^2/NDF : 51.5/24

Right Out: 1354.037+/-798.880 χ^2/NDF : 9.7/9

Left In: -9.462+/-112.340 χ^2/NDF : 32.5/22

Left: -167.259+/-78.707 χ^2/NDF : 87.9/47

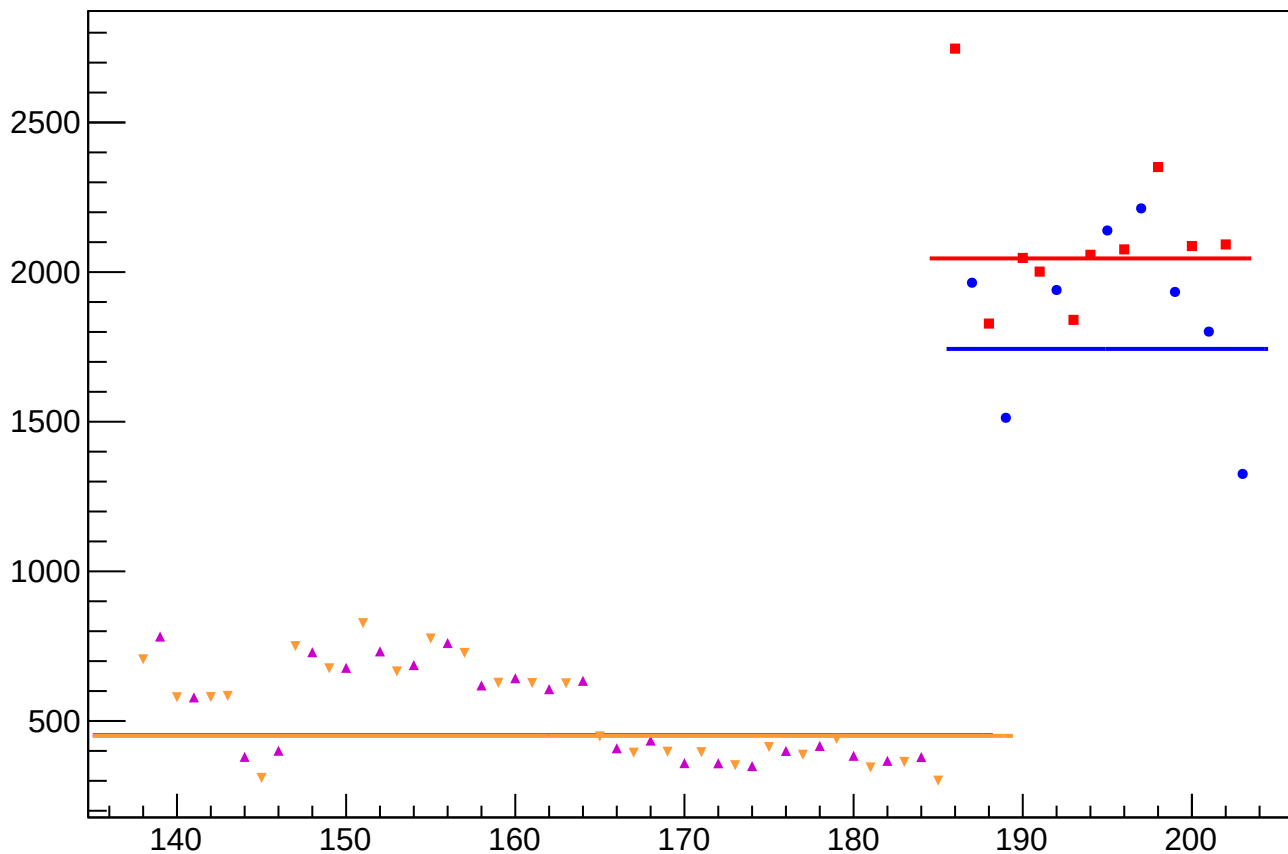
Right: 598.351+/-560.036 χ^2/NDF : 18.8/17

In: -11.917+/-111.208 χ^2/NDF : 39.8/30

Out: -288.085+/-109.269 χ^2/NDF : 65.6/34

All: -152.430+/-77.941 χ^2/NDF : 108.5/65

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1743.303+/-0.555 χ^2/NDF : 338298.1/7

Left Out: 450.363+/-0.078 χ^2/NDF : 3096435.8/24

Right Out: 2045.718+/-0.565 χ^2/NDF : 121429.3/9

Left In: 452.694+/-0.079 χ^2/NDF : 2586032.2/22

Left: 451.507+/-0.056 χ^2/NDF : 5682906.4/47

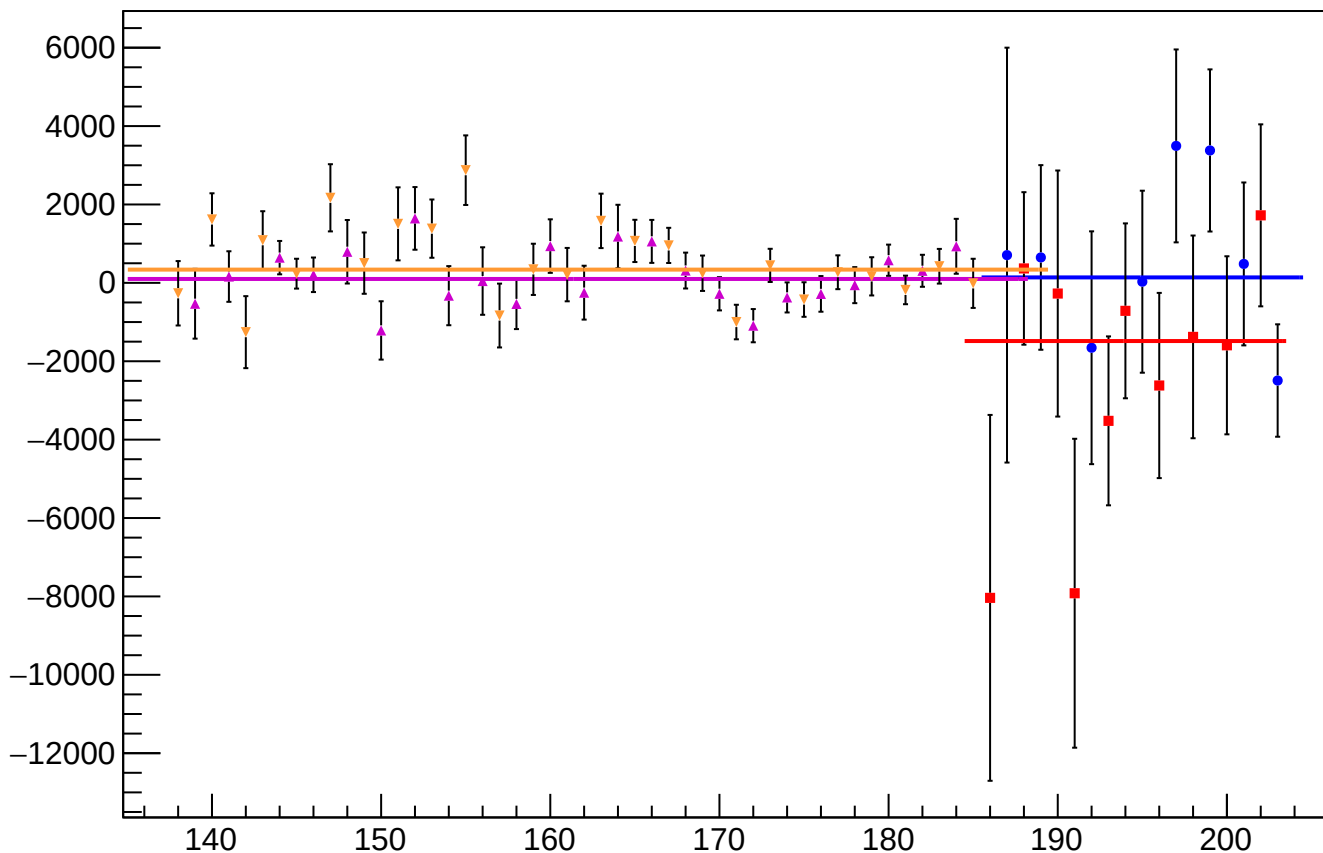
Right: 1891.921+/-0.396 χ^2/NDF : 605480.8/17

In: 478.575+/-0.079 χ^2/NDF : 8217719.9/30

Out: 480.209+/-0.077 χ^2/NDF : 11044590.1/34

All: 479.406+/-0.055 χ^2/NDF : 19262529.7/65

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 139.139+/-782.928 χ^2/NDF : 8.1/7

Left Out: 337.948+/-109.831 χ^2/NDF :48.6/24

Right Out: -1484.365+/-790.517 χ^2/NDF : 8.8/9

Left In: 99.475+/-111.475 χ^2/NDF :32.1/22

Left: 220.483+/-78.237 χ^2/NDF : 83.0/47

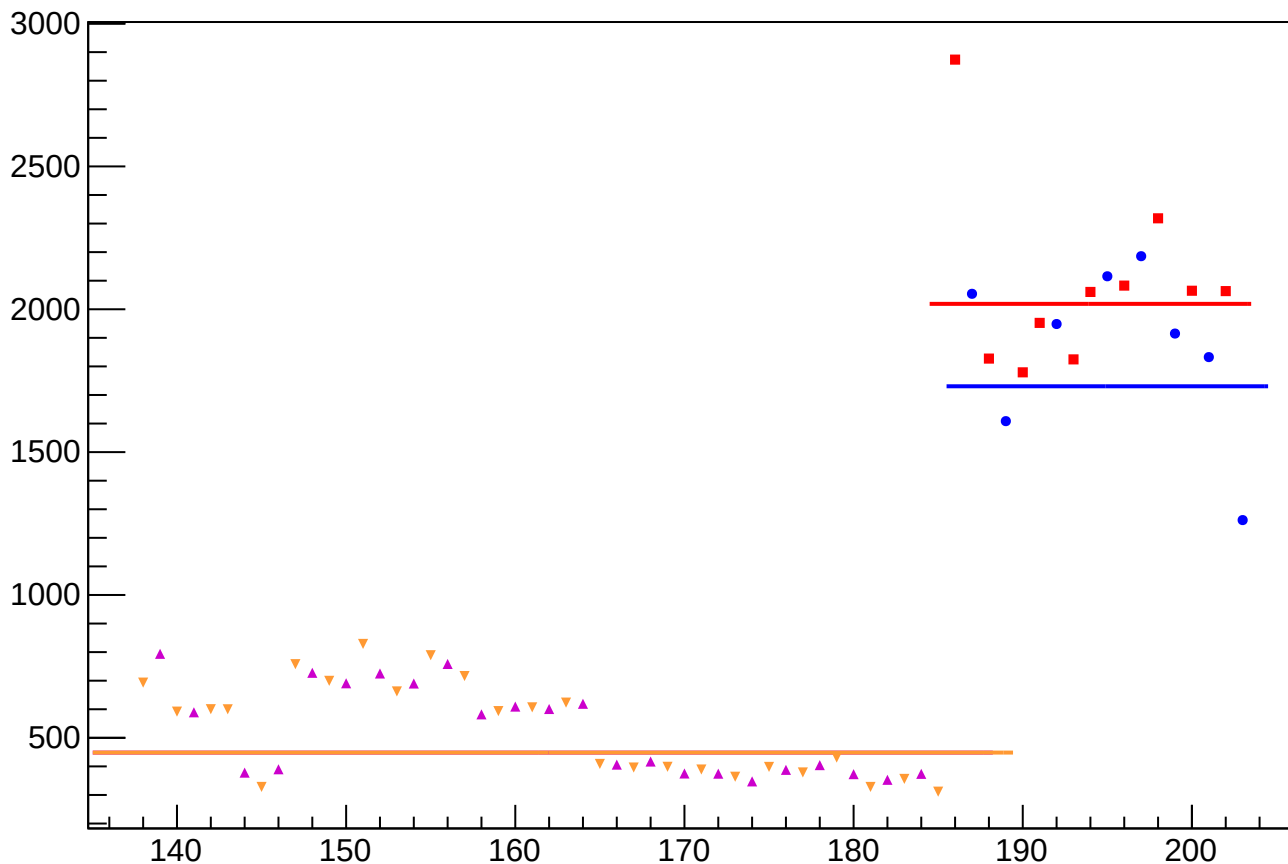
Right: -664.783+/-556.277 χ^2/NDF : 19.1/17

In: 100.263+/-110.362 χ^2/NDF :40.2/30

Out: 303.438+/-108.786 χ^2/NDF :62.6/34

All: 203.312+/-77.474 χ^2/NDF : 104.5/65

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1730.444+/-0.554 χ^2/NDF : 381070.8/7

Left Out: 448.397+/-0.078 χ^2/NDF : 3077183.0/24

Right Out: 2018.916+/-0.559 χ^2/NDF : 145518.6/9

Left In: 448.238+/-0.079 χ^2/NDF : 2563455.5/22

Left: 448.319+/-0.055 χ^2/NDF : 5640640.6/47

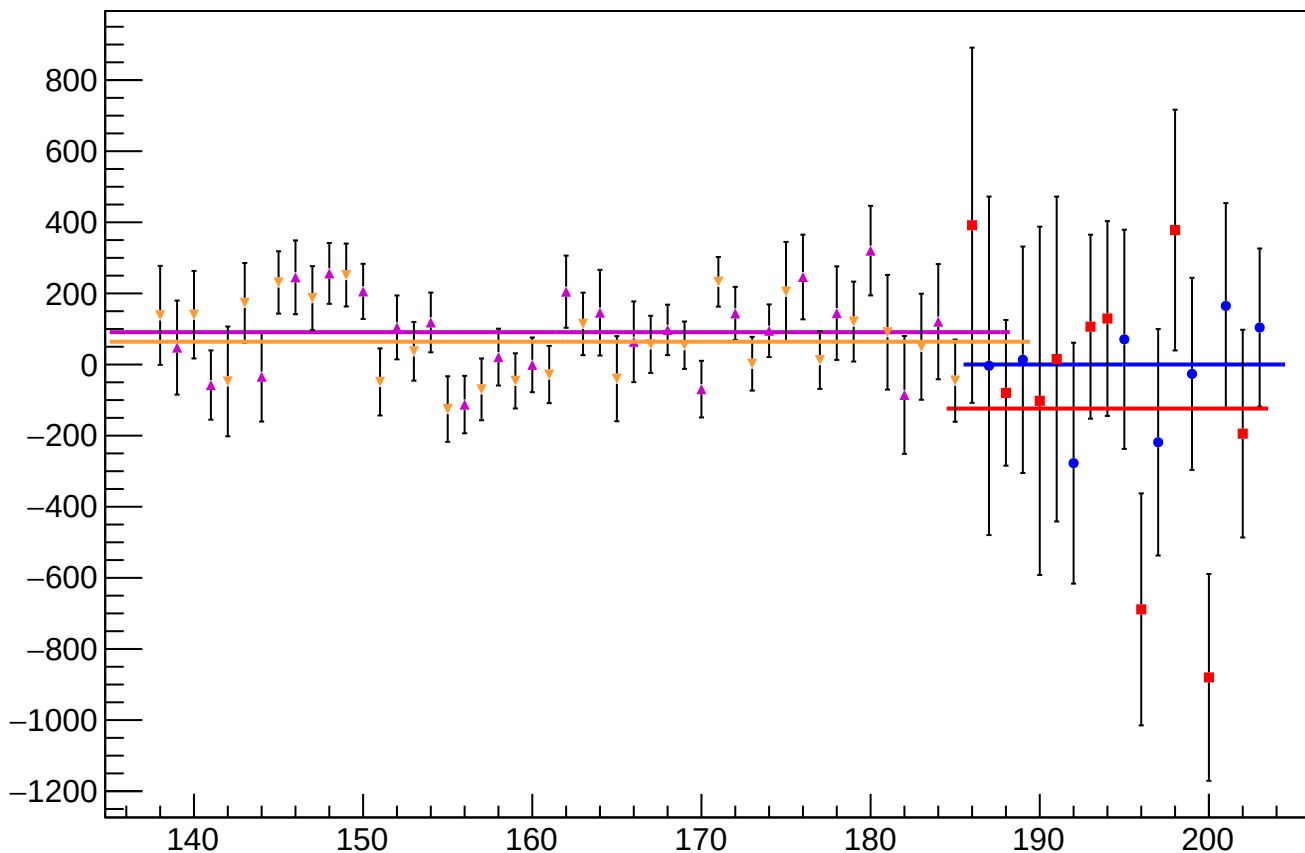
Right: 1873.288+/-0.393 χ^2/NDF : 661037.7/17

In: 473.716+/-0.078 χ^2/NDF : 8202095.2/30

Out: 478.138+/-0.077 χ^2/NDF : 10967158.1/34

All: 475.959+/-0.055 χ^2/NDF : 19170882.4/65

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 0.087 ± 105.843 $\chi^2/\text{NDF}: 1.7/7$

Left Out: 64.142 ± 18.728 $\chi^2/\text{NDF}: 33.8/24$

Right Out: -123.879 ± 96.802 $\chi^2/\text{NDF}: 14.9/9$

Left In: 91.028 ± 19.637 $\chi^2/\text{NDF}: 32.6/22$

Left: 76.948 ± 13.553 $\chi^2/\text{NDF}: 67.4/47$

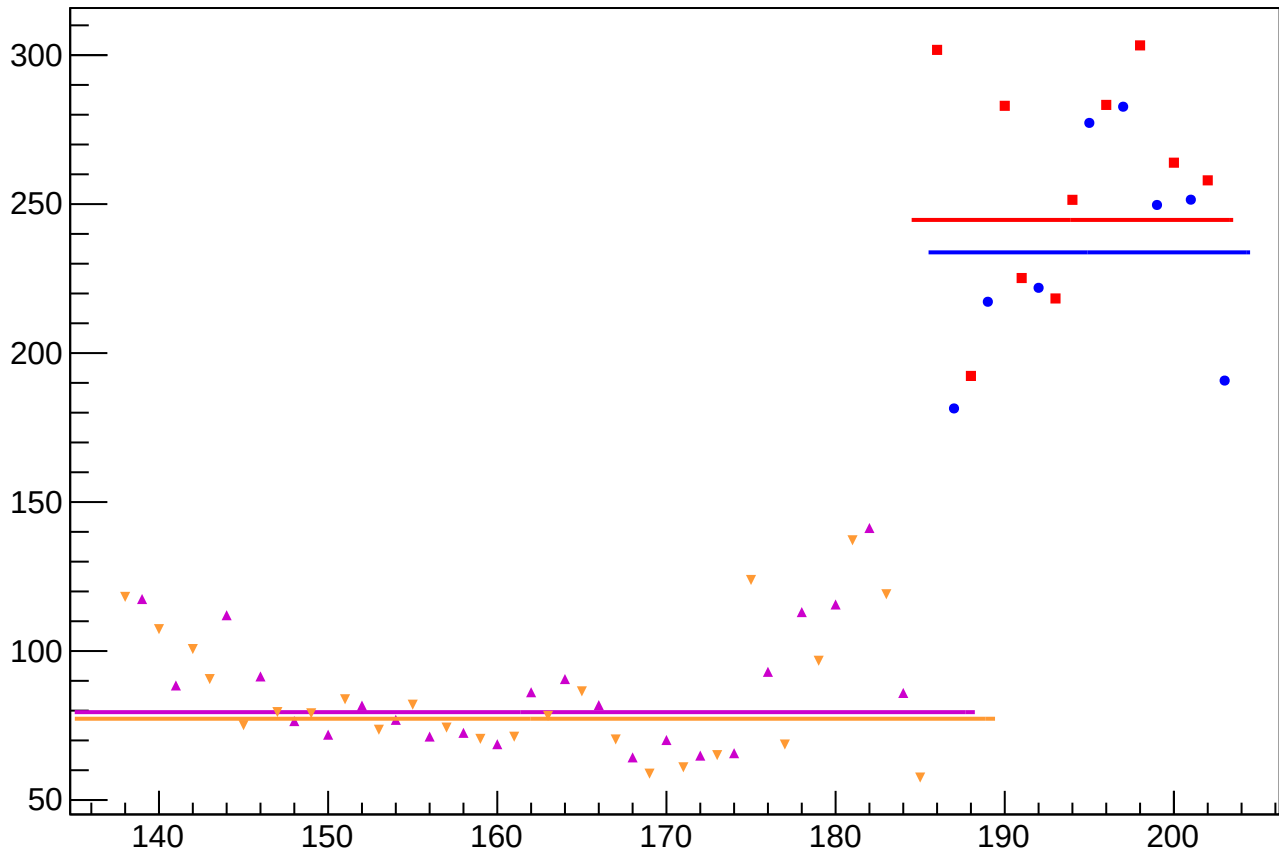
Right: -67.416 ± 71.432 $\chi^2/\text{NDF}: 17.4/17$

In: 88.002 ± 19.308 $\chi^2/\text{NDF}: 35.1/30$

Out: 57.358 ± 18.387 $\chi^2/\text{NDF}: 52.3/34$

All: 71.932 ± 13.315 $\chi^2/\text{NDF}: 88.7/65$

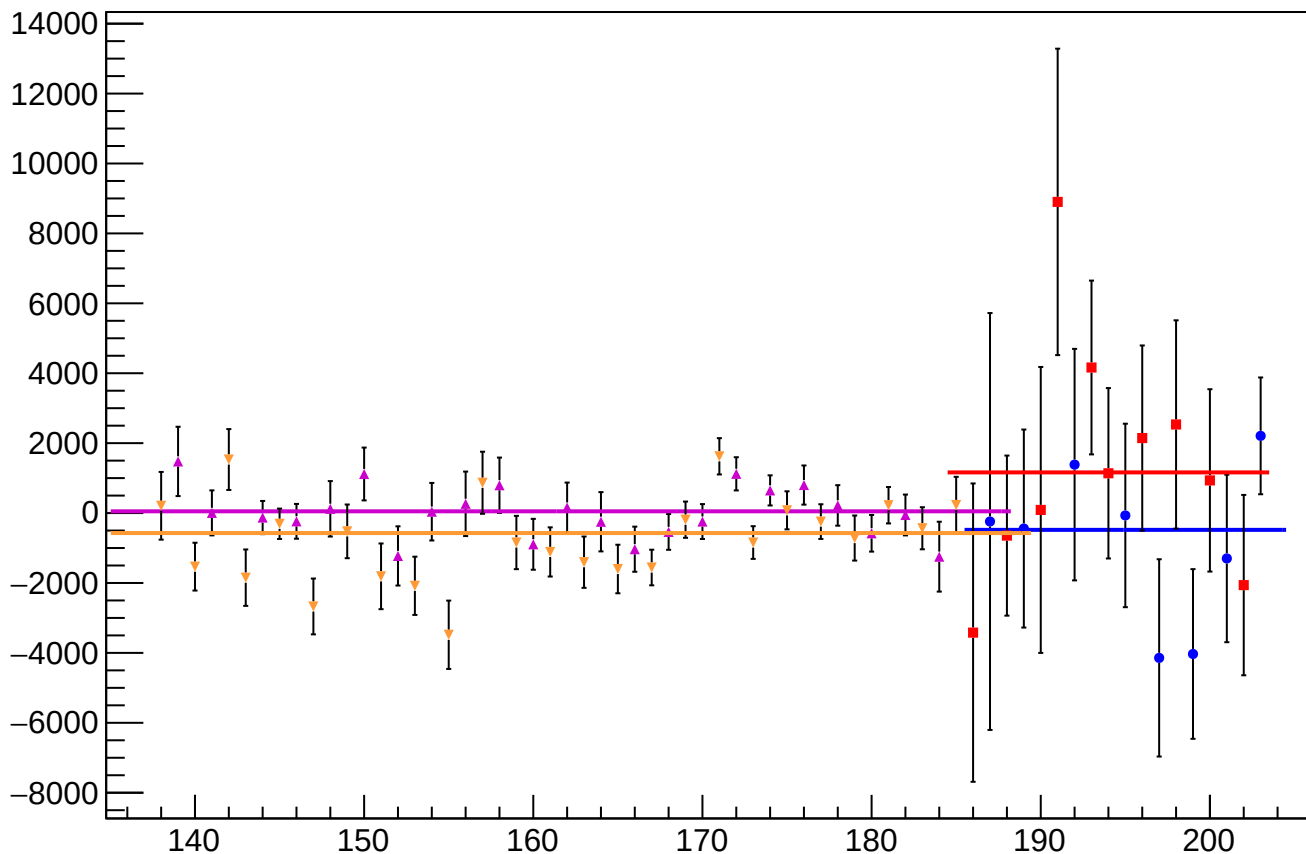
dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 233.803 ± 0.075 χ^2/NDF : 208280.1/7
 Left Out: 77.280 ± 0.013 χ^2/NDF : 1553410.1/24
 Right Out: 244.690 ± 0.068 χ^2/NDF : 295318.1/9
 Left In: 79.491 ± 0.014 χ^2/NDF : 1333774.9/22

Left: 78.333 ± 0.010 χ^2/NDF : 2900472.8/47
 Right: 239.731 ± 0.051 χ^2/NDF : 515120.2/17
 In: 84.626 ± 0.014 χ^2/NDF : 5651690.1/30
 Out: 83.319 ± 0.013 χ^2/NDF : 7614630.6/34
 All: 83.941 ± 0.009 χ^2/NDF : 13271127.4/65

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -480.461 $\pm$ 906.458 χ^2 /NDF: 6.9/7

Left Out: -571.669 $\pm$ 128.158 χ^2 /NDF:66.8/24

Right Out: 1162.962 $\pm$ 898.002 χ^2 /NDF: 8.3/9

Left In: 50.077 $\pm$ 129.187 χ^2 /NDF:26.1/22

Left: -263.282 $\pm$ 90.983 χ^2 /NDF: 104.6/47

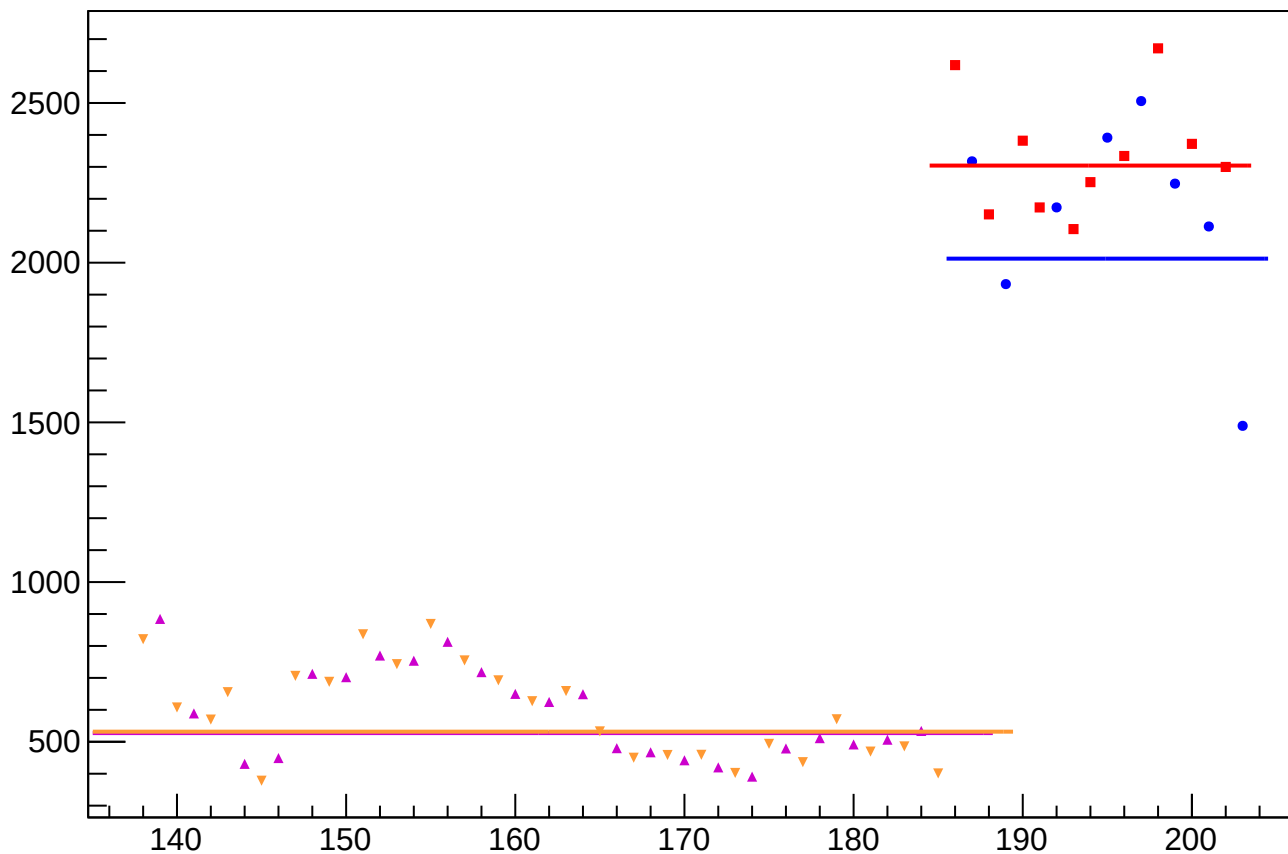
Right: 348.951 $\pm$ 637.952 χ^2 /NDF: 16.9/17

In: 39.515 $\pm$ 127.894 χ^2 /NDF:33.4/30

Out: -537.044 $\pm$ 126.872 χ^2 /NDF:78.8/34

All: -251.077 $\pm$ 90.071 χ^2 /NDF: 122.4/65

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 2012.656+/-0.641 χ^2 /NDF: 332978.9/7

Left Out: 531.643+/-0.091 χ^2 /NDF:2038304.3/24

Right Out: 2304.046+/-0.635 χ^2 /NDF: 67958.2/9

Left In: 527.182+/-0.091 χ^2 /NDF:1813383.7/22

Left: 529.430+/-0.064 χ^2 /NDF: 3852889.7/47

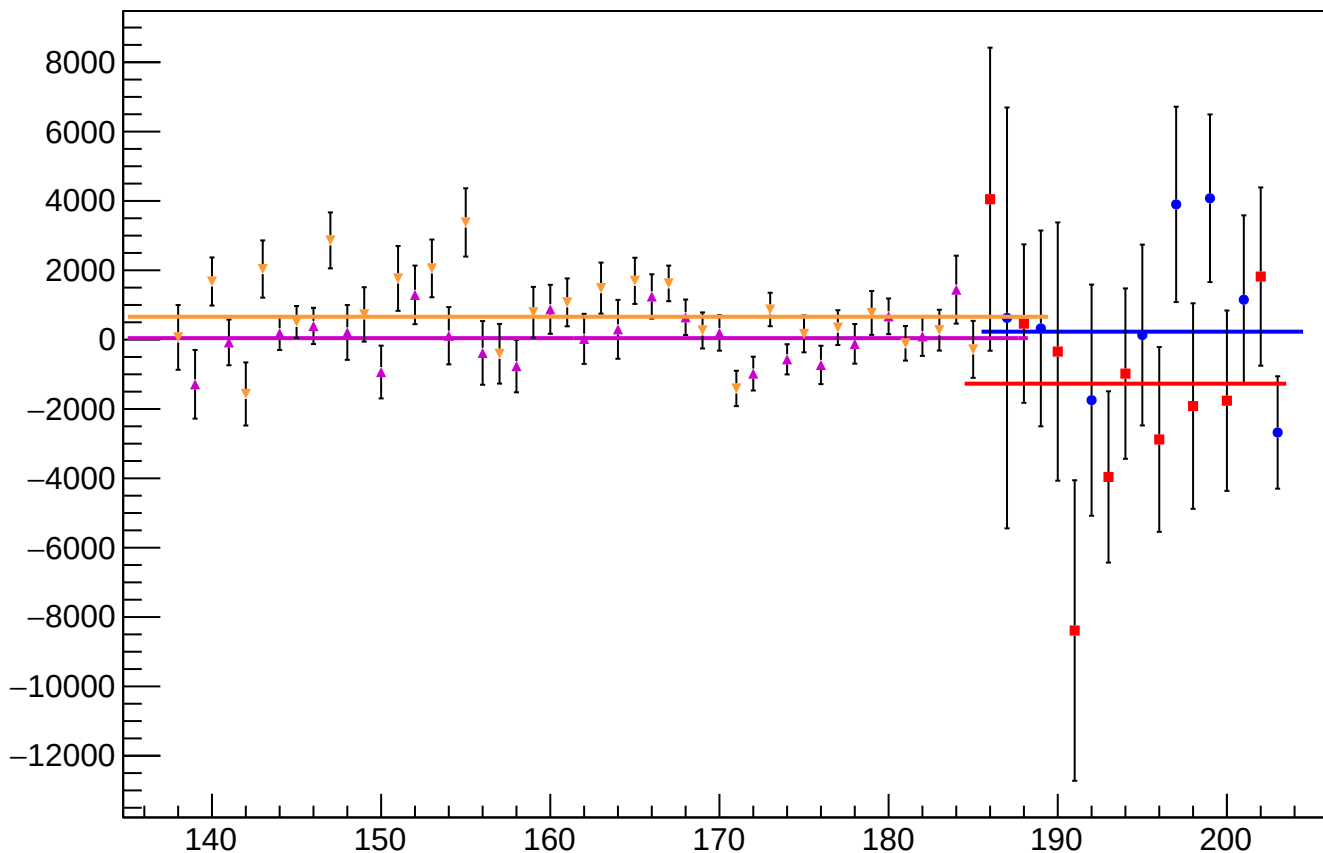
Right: 2159.716+/-0.451 χ^2 /NDF: 505241.7/17

In: 556.754+/-0.090 χ^2 /NDF:7410559.6/30

Out: 567.021+/-0.090 χ^2 /NDF:9741870.9/34

All: 561.929+/-0.064 χ^2 /NDF: 17158927.4/65

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 229.641 $\pm$ 899.315 χ^2 /NDF: 8.0/7

Left Out: 659.523 $\pm$ 128.164 χ^2 /NDF: 62.4/24

Right Out: -1269.677 $\pm$ 893.486 χ^2 /NDF: 7.9/9

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

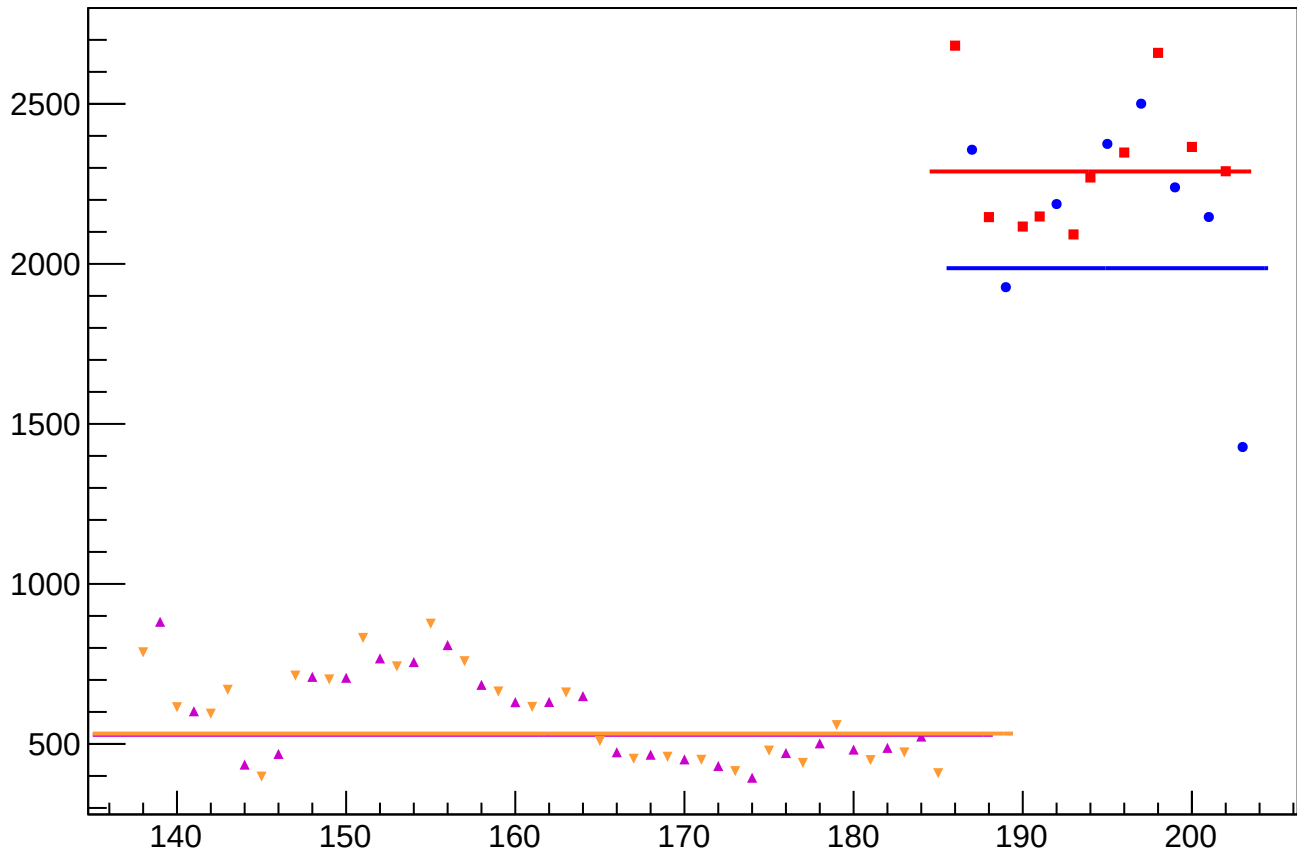
Right: -524.893 $\pm$ 633.841 χ^2 /NDF: 17.3/17

In: 46.973 $\pm$ 128.215 χ^2 /NDF: 34.0/30

Out: 620.628 $\pm$ 126.866 χ^2 /NDF: 74.9/34

All: 336.834 $\pm$ 90.181 χ^2 /NDF: 119.0/65

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1986.576 $\pm$ 0.636 χ^2/NDF : 394809.0/7

Left Out: 532.393 $\pm$ 0.091 χ^2/NDF : 1943066.8/24

Right Out: 2288.780 $\pm$ 0.632 χ^2/NDF : 77165.0/9

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

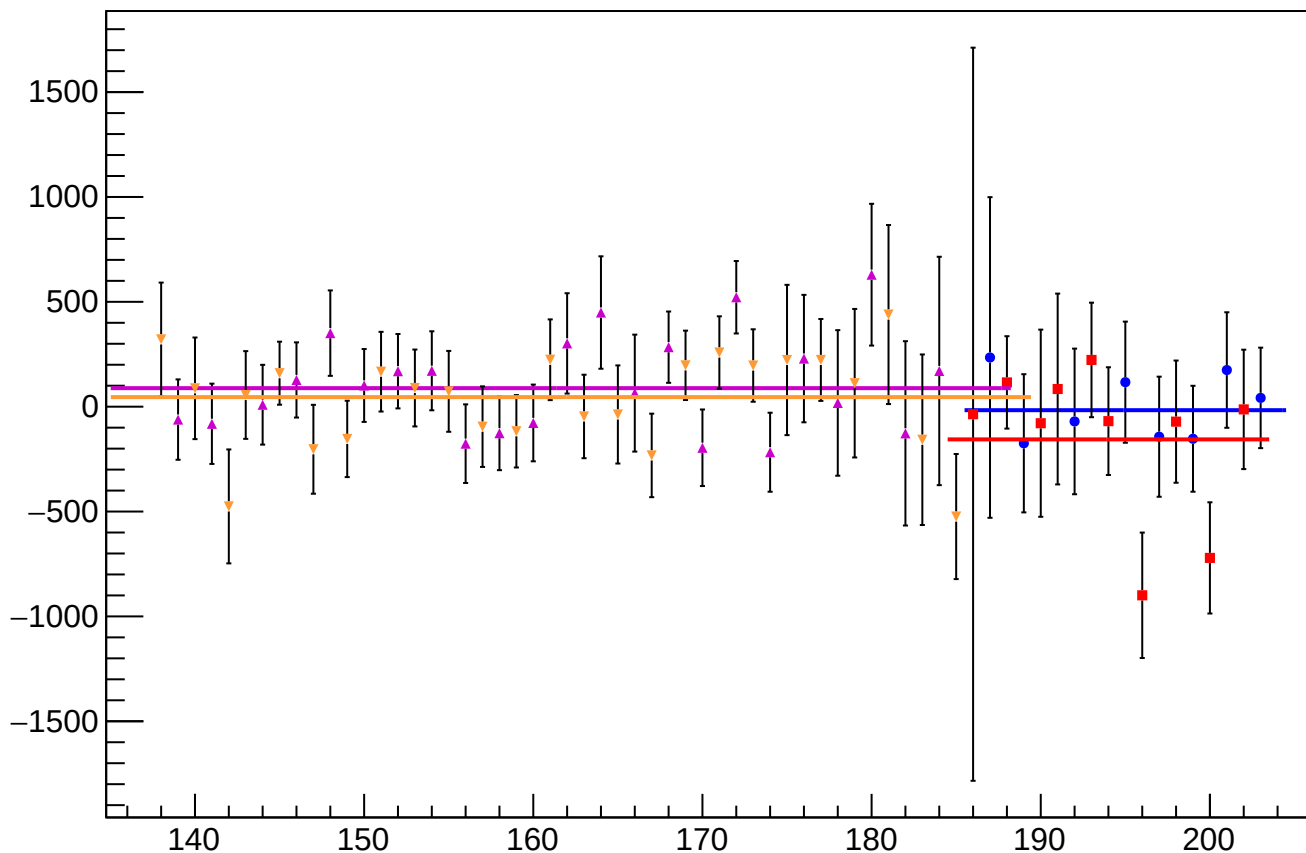
Right: 2138.661 $\pm$ 0.448 χ^2/NDF : 585630.3/17

In: 558.102 $\pm$ 0.091 χ^2/NDF : 7257597.7/30

Out: 567.803 $\pm$ 0.090 χ^2/NDF : 9592924.7/34

All: 563.004 $\pm$ 0.064 χ^2/NDF : 16856308.0/65

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -16.706 ± 105.588 $\chi^2/\text{NDF}: 1.6/7$

Left Out: 45.675 ± 41.779 $\chi^2/\text{NDF}: 21.9/24$

Right Out: -155.931 ± 95.836 $\chi^2/\text{NDF}: 14.9/9$

Left In: 88.356 ± 43.518 $\chi^2/\text{NDF}: 26.4/22$

Left: 66.145 ± 30.138 $\chi^2/\text{NDF}: 48.8/47$

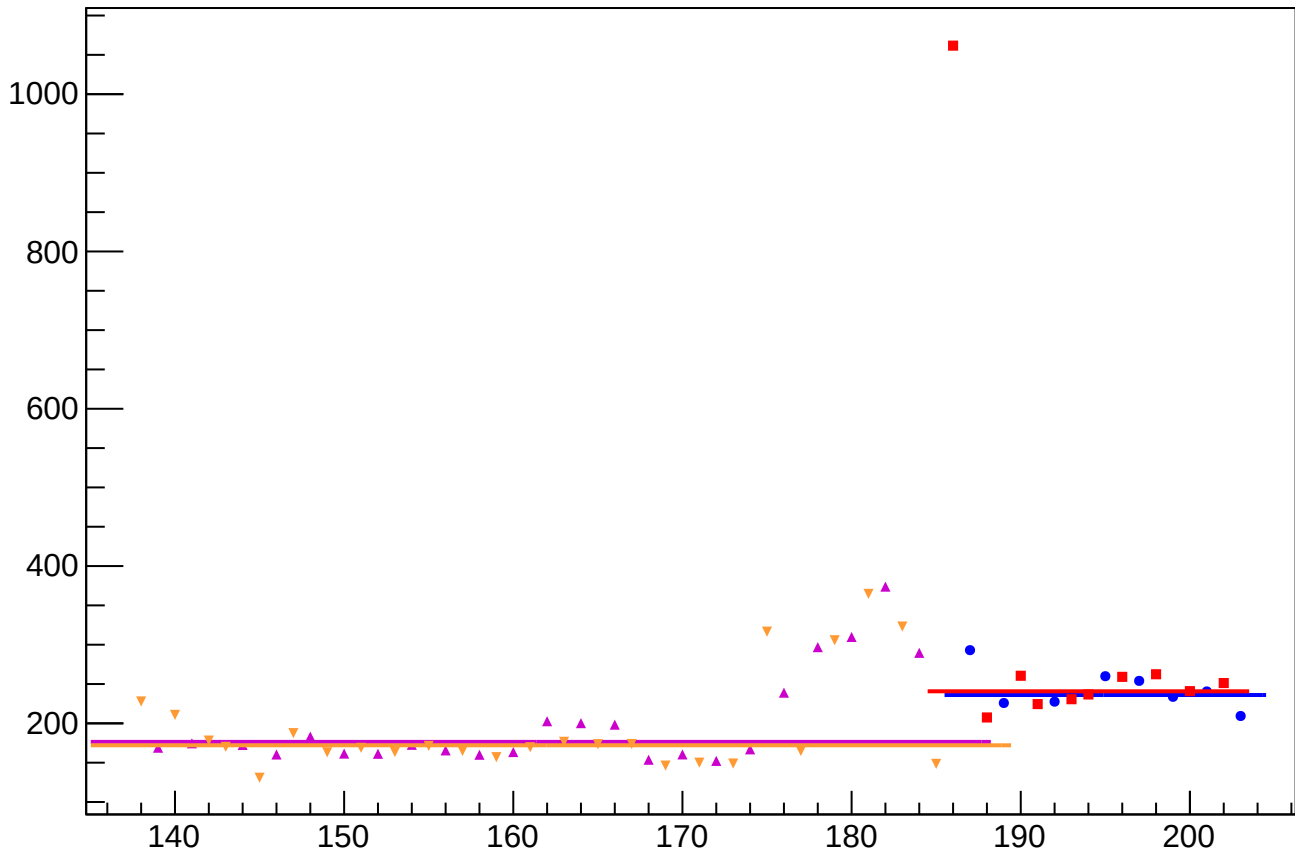
Right: -93.043 ± 70.964 $\chi^2/\text{NDF}: 17.5/17$

In: 73.100 ± 40.235 $\chi^2/\text{NDF}: 28.8/30$

Out: 13.480 ± 38.298 $\chi^2/\text{NDF}: 40.6/34$

All: 41.820 ± 27.740 $\chi^2/\text{NDF}: 70.5/65$

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 236.028 $\pm$ 0.075 χ^2 /NDF: 61311.2/7

Left Out: 172.097 $\pm$ 0.030 χ^2 /NDF:1752497.1/24

Right Out: 240.765 $\pm$ 0.068 χ^2 /NDF: 517827.2/9

Left In: 176.425 $\pm$ 0.031 χ^2 /NDF:1360607.7/22

Left: 174.173 $\pm$ 0.021 χ^2 /NDF: 3123399.2/47

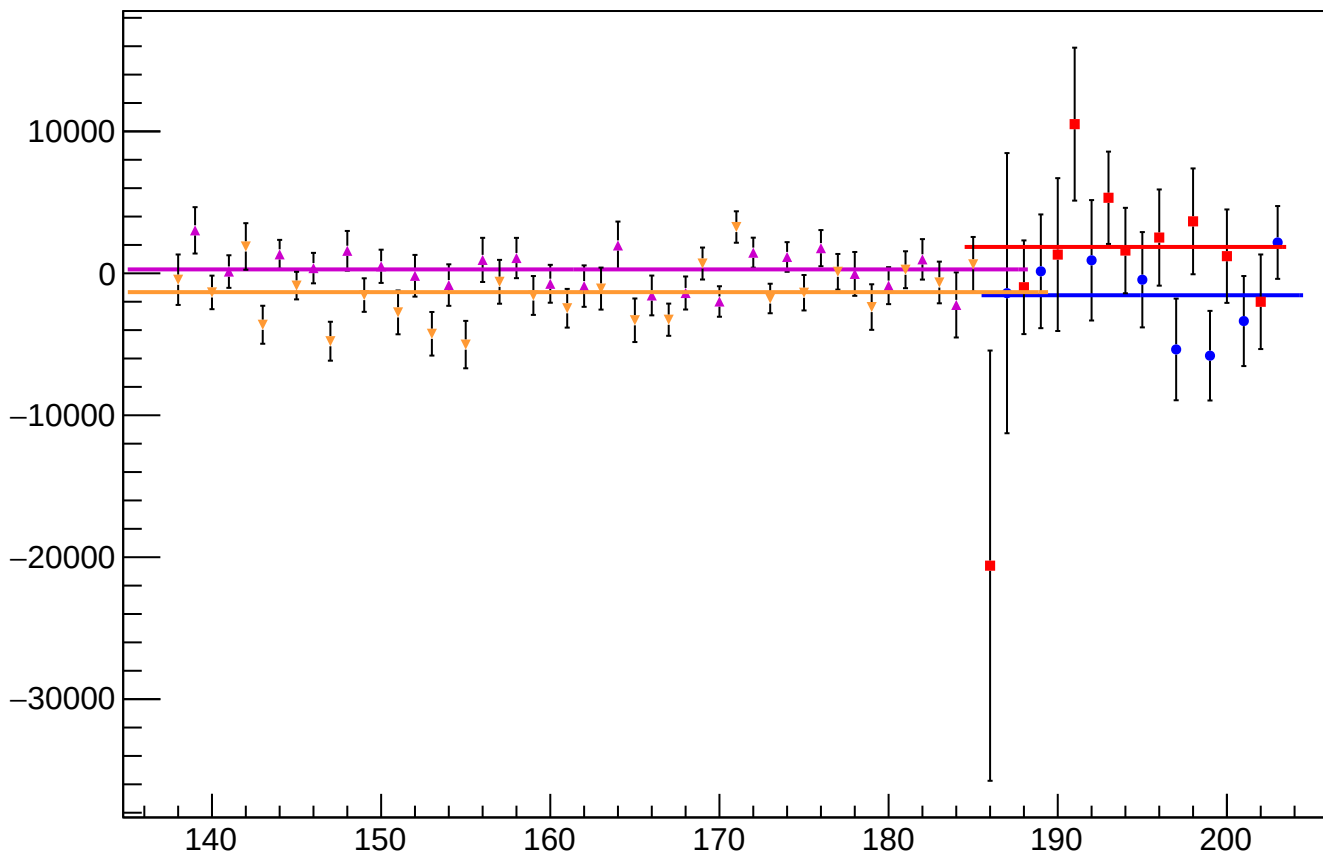
Right: 238.625 $\pm$ 0.050 χ^2 /NDF: 581345.2/17

In: 185.079 $\pm$ 0.028 χ^2 /NDF:1966682.1/30

Out: 183.063 $\pm$ 0.027 χ^2 /NDF:3133142.0/34

All: 184.021 $\pm$ 0.020 χ^2 /NDF: 5102460.5/65

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -1543.812 $\pm$ 1243.626 χ^2 /NDF: 6.0/7

Left Out: -1324.367 $\pm$ 265.950 χ^2 /NDF:53.6/24

Right Out: 1859.040 $\pm$ 1185.502 χ^2 /NDF: 8.3/9

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

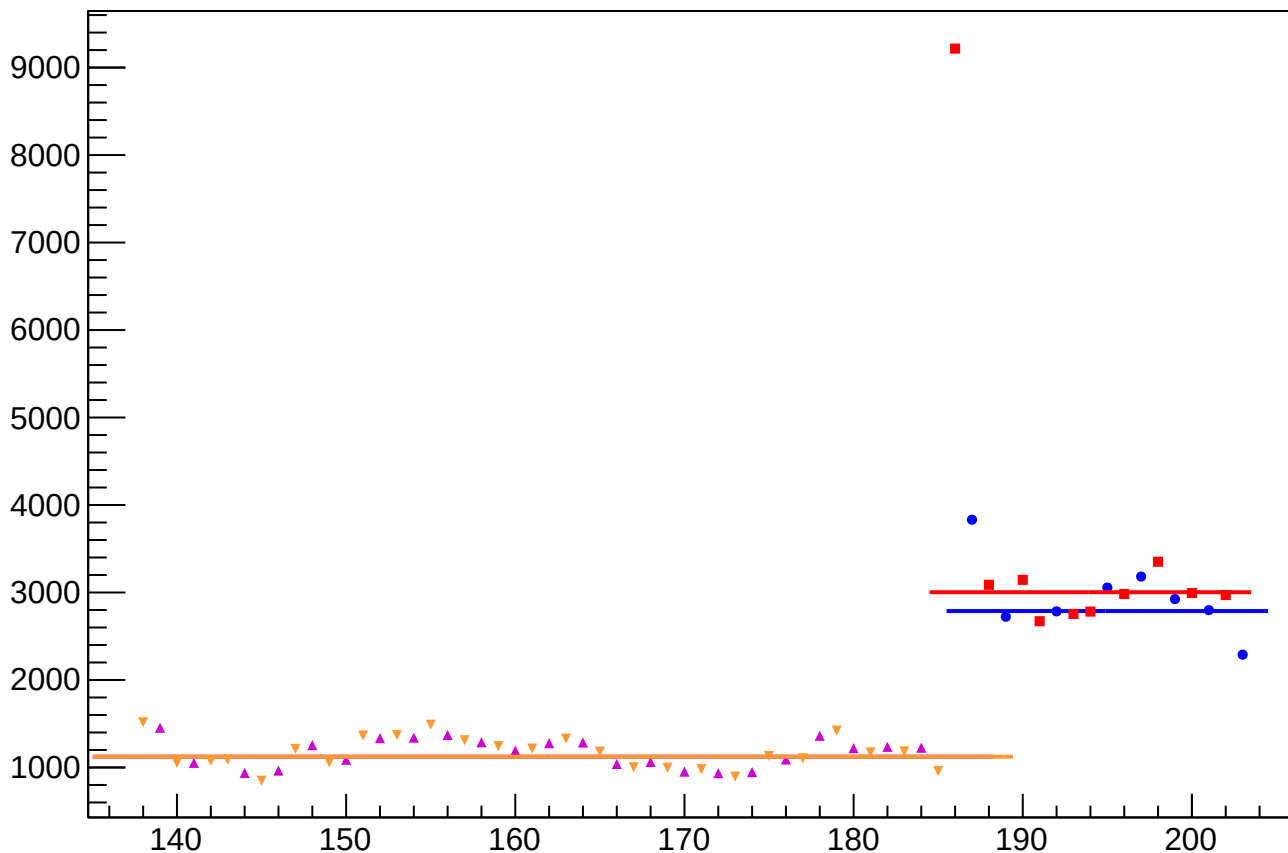
Right: 238.990 $\pm$ 858.089 χ^2 /NDF: 18.3/17

In: 194.413 $\pm$ 264.363 χ^2 /NDF:30.1/30

Out: -1171.834 $\pm$ 259.500 χ^2 /NDF:68.8/34

All: -501.392 $\pm$ 185.190 χ^2 /NDF: 112.5/65

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 2787.903+/-0.879 χ^2/NDF : 139064.0/7

Left Out: 1123.022+/-0.188 χ^2/NDF : 842393.5/24

Right Out: 3003.093+/-0.838 χ^2/NDF : 386566.0/9

Left In: 1123.148+/-0.191 χ^2/NDF : 689778.4/22

Left: 1123.084+/-0.134 χ^2/NDF : 1532172.1/47

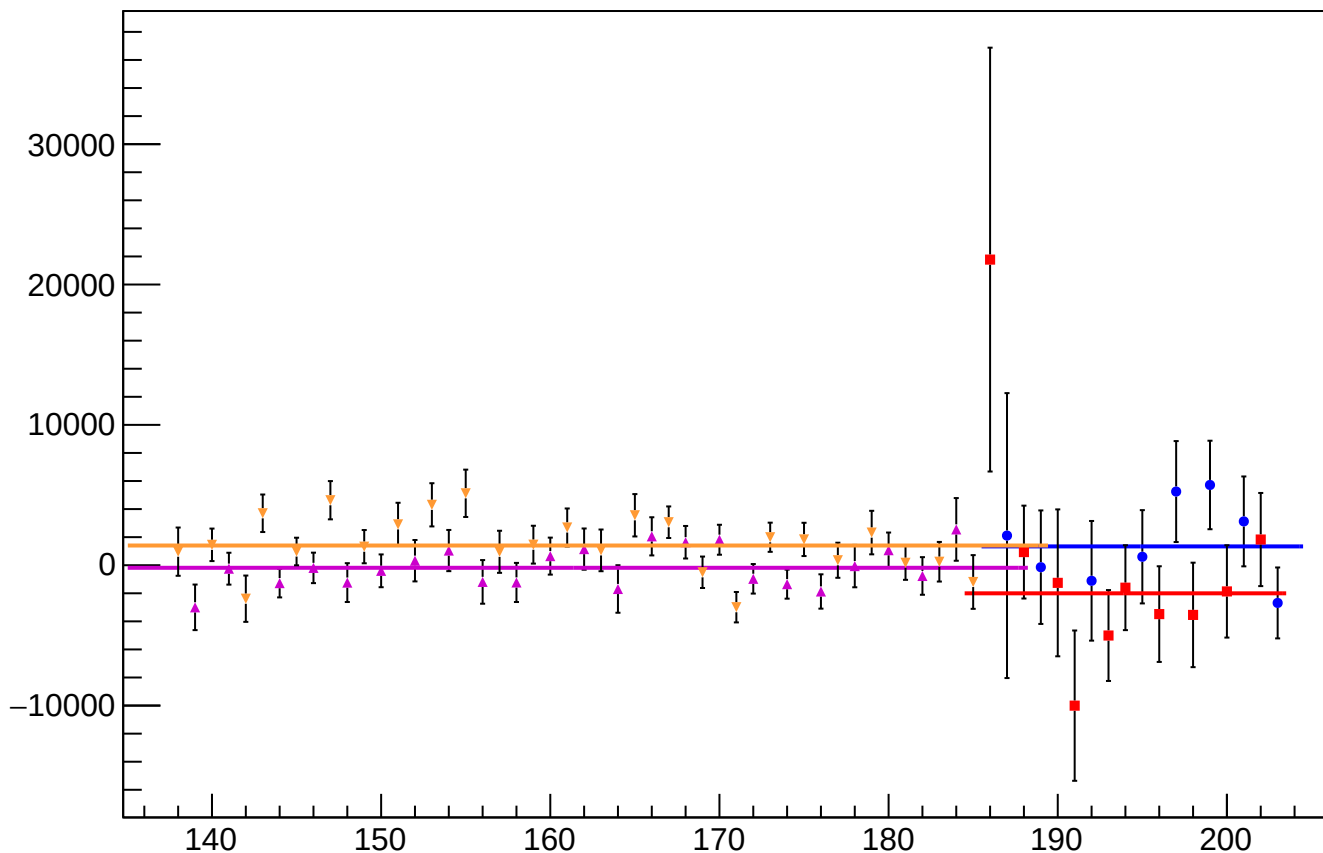
Right: 2900.644+/-0.607 χ^2/NDF : 557002.9/17

In: 1198.375+/-0.187 χ^2/NDF : 4250759.8/30

Out: 1213.105+/-0.183 χ^2/NDF : 6018012.7/34

All: 1205.877+/-0.131 χ^2/NDF : 10271935.0/6

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 1341.094+/-1241.714 χ^2/NDF : 6.5/7

Left Out: 1404.763+/-262.517 χ^2/NDF : 53.1/24

Right Out: -2002.099+/-1183.972 χ^2/NDF : 8.1/9

Left In: -183.249+/-267.620 χ^2/NDF : 23.7/22

Left: 626.041+/-187.406 χ^2/NDF : 94.8/47

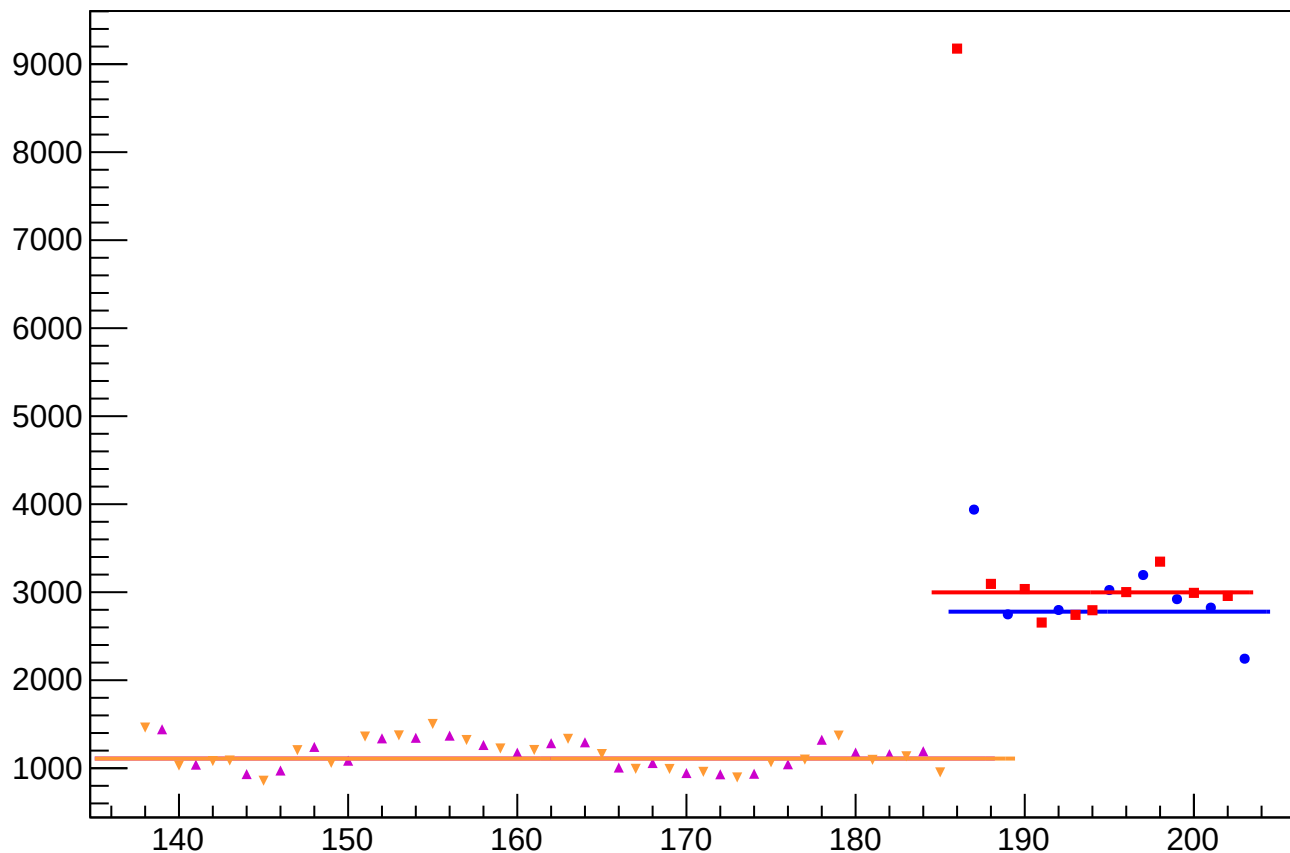
Right: -410.040+/-856.881 χ^2/NDF : 18.4/17

In: -115.585+/-261.613 χ^2/NDF : 31.6/30

Out: 1245.122+/-256.293 χ^2/NDF : 69.1/34

All: 578.745+/-183.078 χ^2/NDF : 114.5/65

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 2778.741+/-0.878 χ^2/NDF : 157942.5/7

Left Out: 1109.574+/-0.186 χ^2/NDF : 812957.8/24

Right Out: 2998.104+/-0.837 χ^2/NDF : 384225.2/9

Left In: 1110.162+/-0.189 χ^2/NDF : 673229.2/22

Left: 1109.863+/-0.133 χ^2/NDF : 1486192.0/47

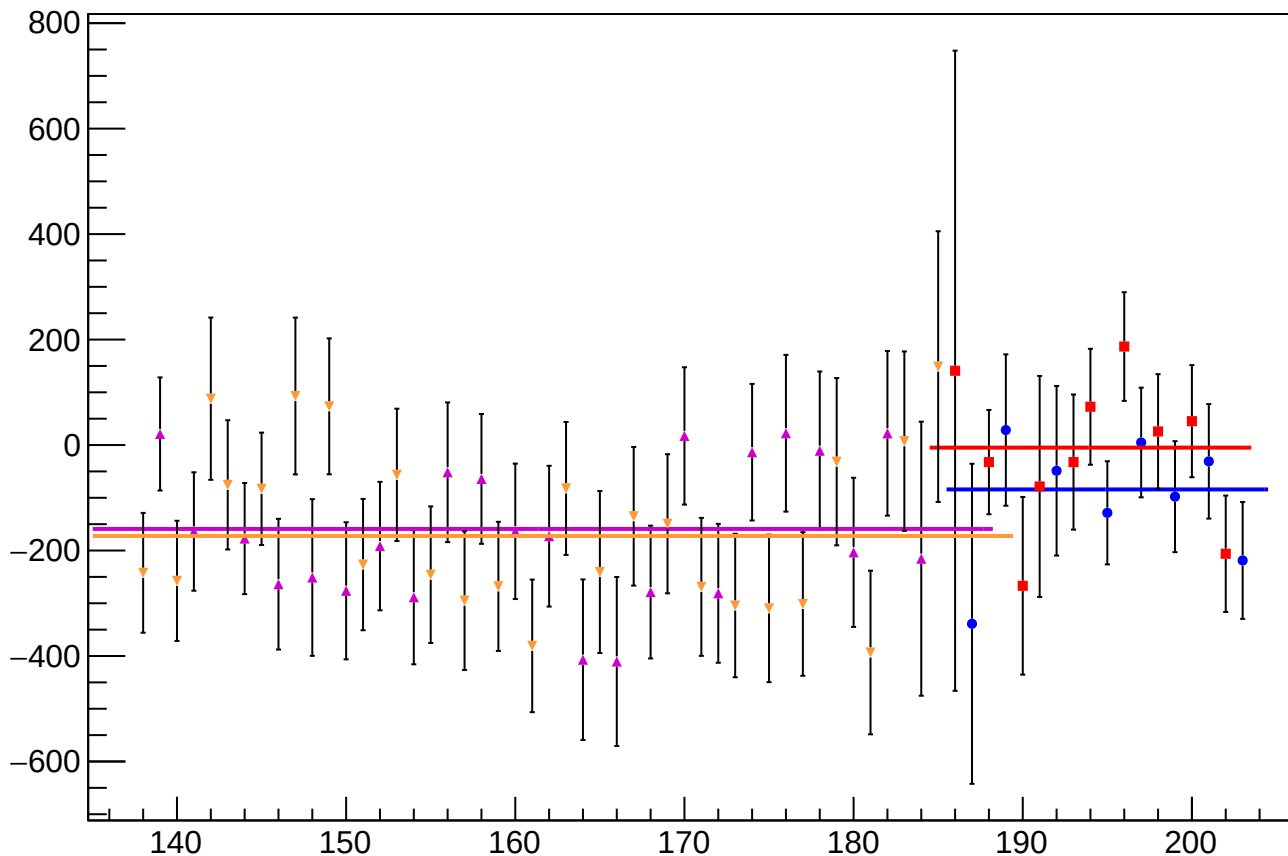
Right: 2893.641+/-0.606 χ^2/NDF : 574862.0/17

In: 1184.229+/-0.185 χ^2/NDF : 4282304.6/30

Out: 1198.068+/-0.181 χ^2/NDF : 6047296.2/34

All: 1191.291+/-0.129 χ^2/NDF : 10332456.8/66

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -84.149 ± 42.572 χ^2/NDF : 4.0/7

Left Out: -172.357 ± 26.709 χ^2/NDF : 27.2/24

Right Out: -4.879 ± 39.035 χ^2/NDF : 10.3/9

Left In: -159.044 ± 27.608 χ^2/NDF : 21.1/22

Left: -165.921 ± 19.196 χ^2/NDF : 48.4/47

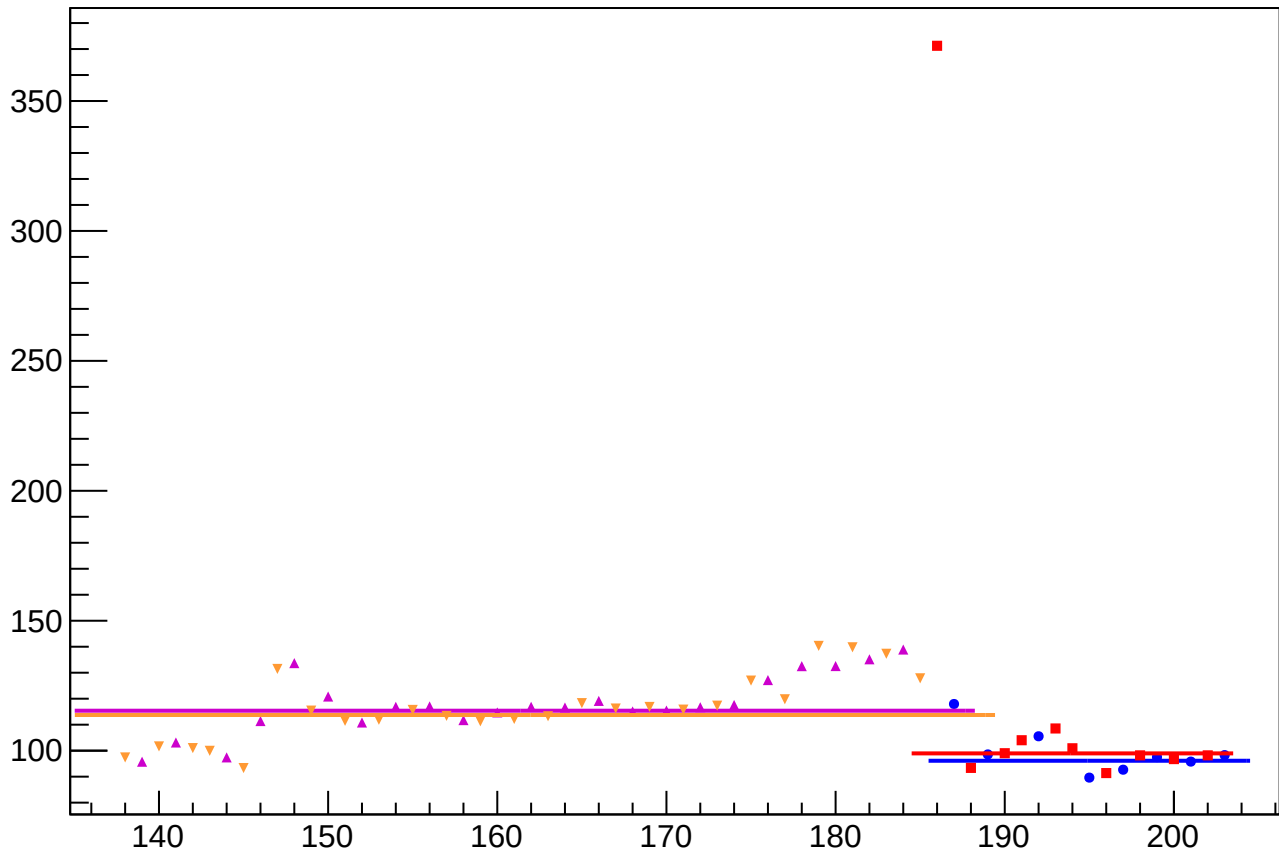
Right: -41.084 ± 28.771 χ^2/NDF : 16.2/17

In: -136.871 ± 23.164 χ^2/NDF : 27.3/30

Out: -118.950 ± 22.043 χ^2/NDF : 50.1/34

All: -127.467 ± 15.968 χ^2/NDF : 77.7/65

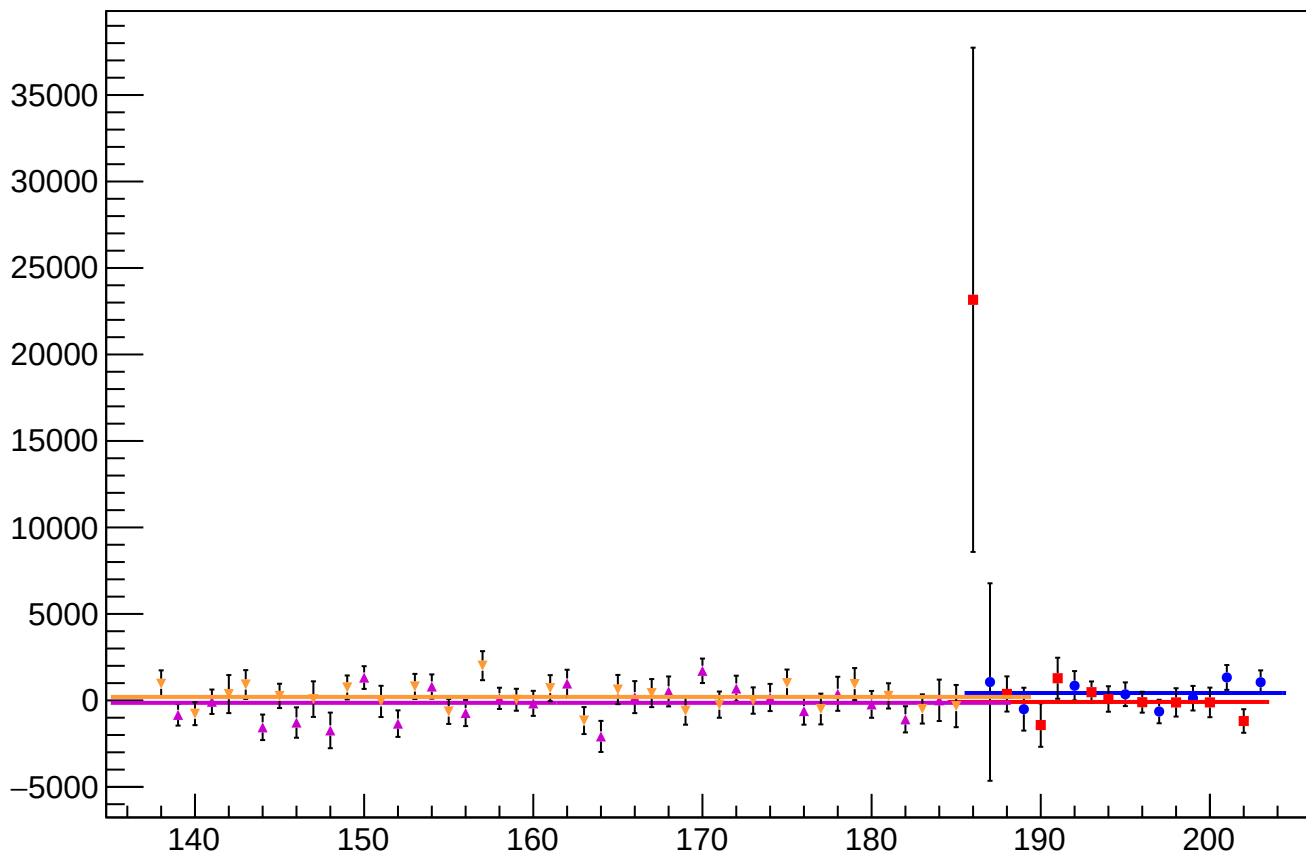
dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 96.118 ± 0.030 $\chi^2/\text{NDF}: 29947.6/7$
 Left Out: 113.727 ± 0.019 $\chi^2/\text{NDF}: 392153.8/24$
 Right Out: 98.953 ± 0.028 $\chi^2/\text{NDF}: 433817.2/9$
 Left In: 115.377 ± 0.020 $\chi^2/\text{NDF}: 309034.7/22$

Left: 114.525 ± 0.014 $\chi^2/\text{NDF}: 704876.2/47$
 Right: 97.658 ± 0.020 $\chi^2/\text{NDF}: 468581.6/17$
 In: 109.675 ± 0.016 $\chi^2/\text{NDF}: 627092.1/30$
 Out: 109.016 ± 0.016 $\chi^2/\text{NDF}: 1021117.2/34$
 All: 109.329 ± 0.011 $\chi^2/\text{NDF}: 1649060.0/65$

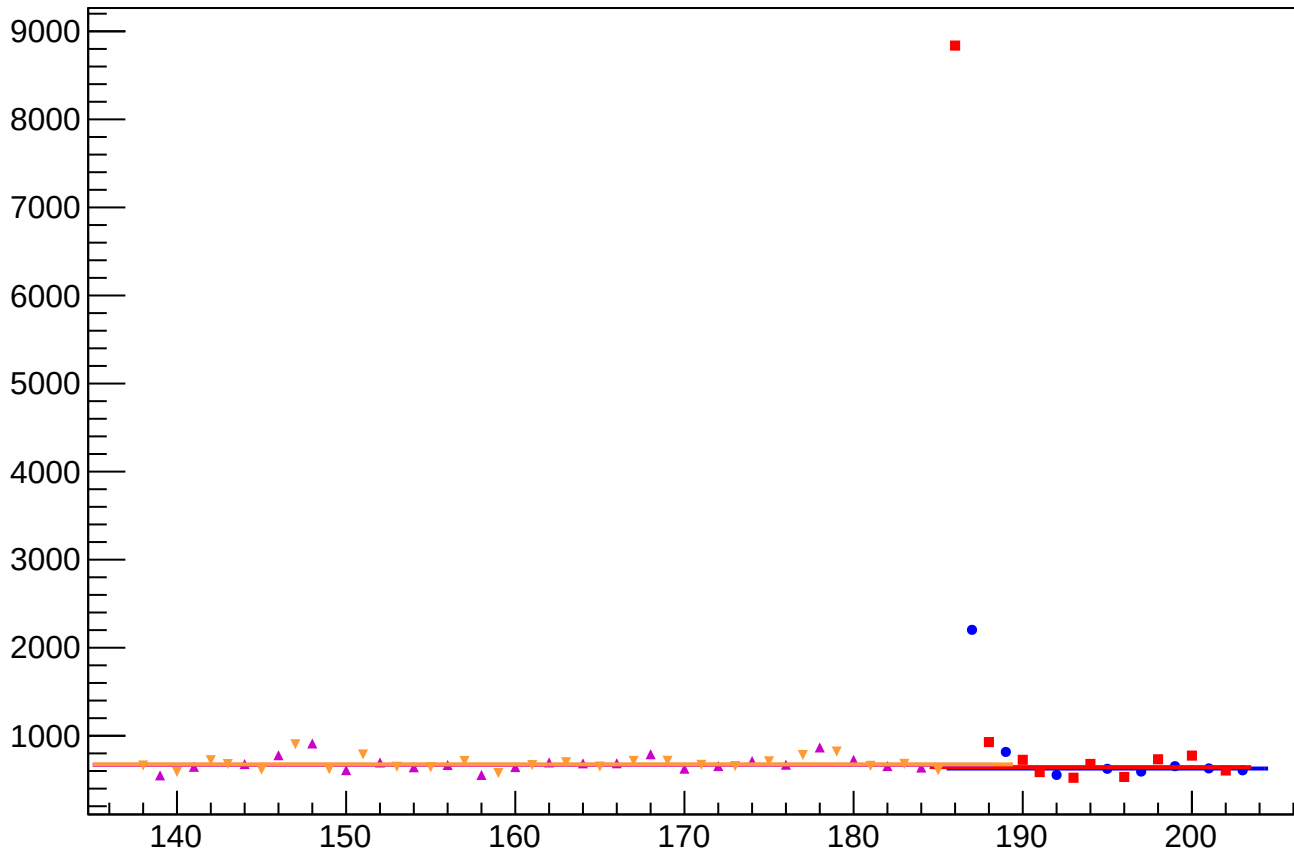
asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: 428.612 $\pm$ 283.654 χ^2 /NDF: 5.9/7
 Left Out: 202.466 $\pm$ 159.030 χ^2 /NDF:19.8/24
 Right Out: -89.476 $\pm$ 262.629 χ^2 /NDF: 8.7/9
 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: 149.657 $\pm$ 192.711 χ^2 /NDF: 16.4/17
 In: -1.449 $\pm$ 140.034 χ^2 /NDF:45.8/30
 Out: 124.140 $\pm$ 136.034 χ^2 /NDF:29.4/34
 All: 63.165 $\pm$ 97.574 χ^2 /NDF: 75.6/65

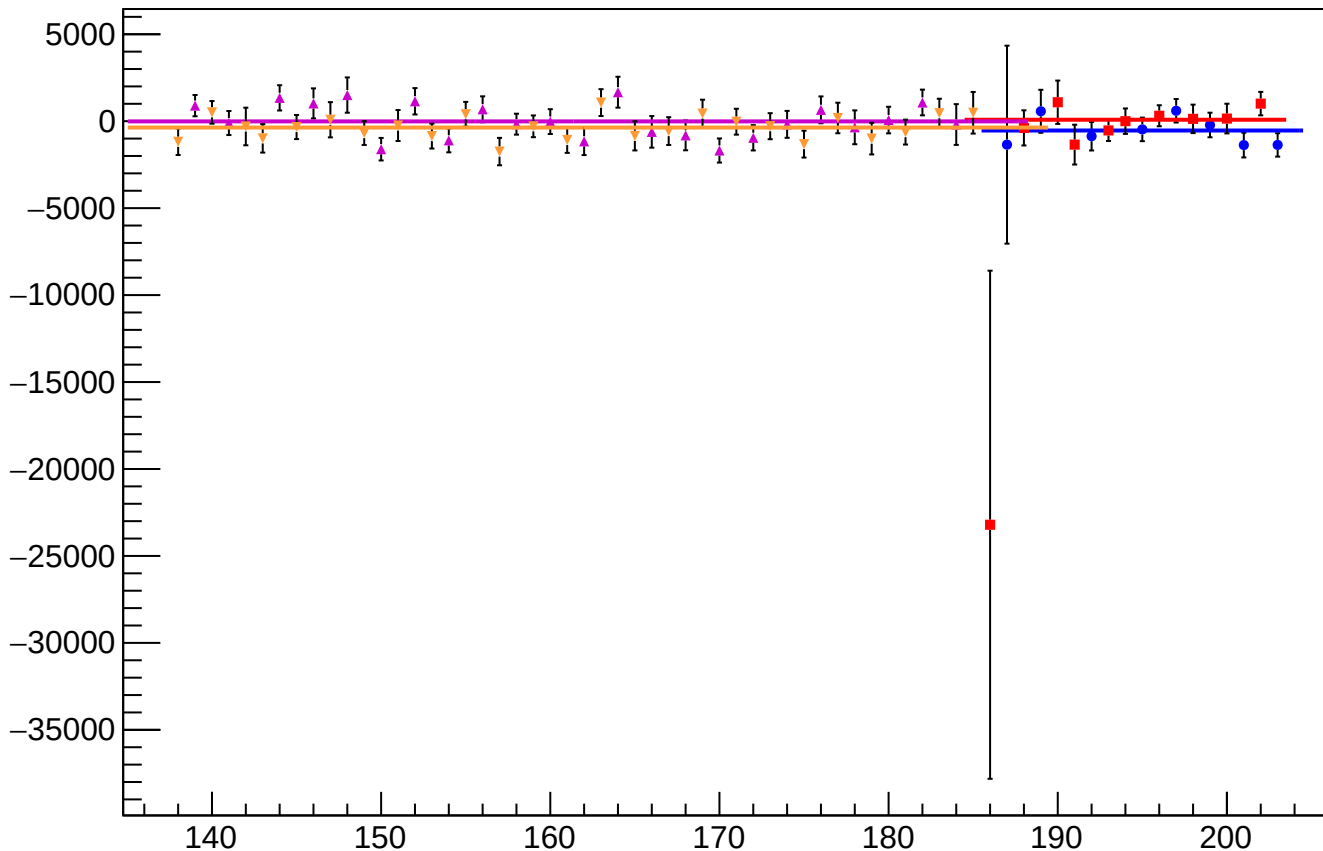
asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 628.269+/-0.201 χ^2/NDF : 222880.6/7
 Left Out: 675.335+/-0.112 χ^2/NDF : 358713.6/24
 Right Out: 644.299+/-0.186 χ^2/NDF : 1027196.9/9
 Left In: 669.938+/-0.114 χ^2/NDF : 464085.7/22

Left: 672.670+/-0.080 χ^2/NDF : 823936.7/47
 Right: 636.900+/-0.136 χ^2/NDF : 1253516.4/17
 In: 659.782+/-0.099 χ^2/NDF : 719606.1/30
 Out: 667.008+/-0.096 χ^2/NDF : 1406347.4/34
 All: 663.500+/-0.069 χ^2/NDF : 2128693.1/65

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -535.875+/-280.364 χ^2/NDF : 6.9/7

Left Out: -365.394+/-156.301 χ^2/NDF : 18.7/24

Right Out: 83.471+/-260.023 χ^2/NDF : 8.1/9

Left In: -11.243+/-158.497 χ^2/NDF : 38.8/22

Left: -190.789+/-111.290 χ^2/NDF : 60.1/47

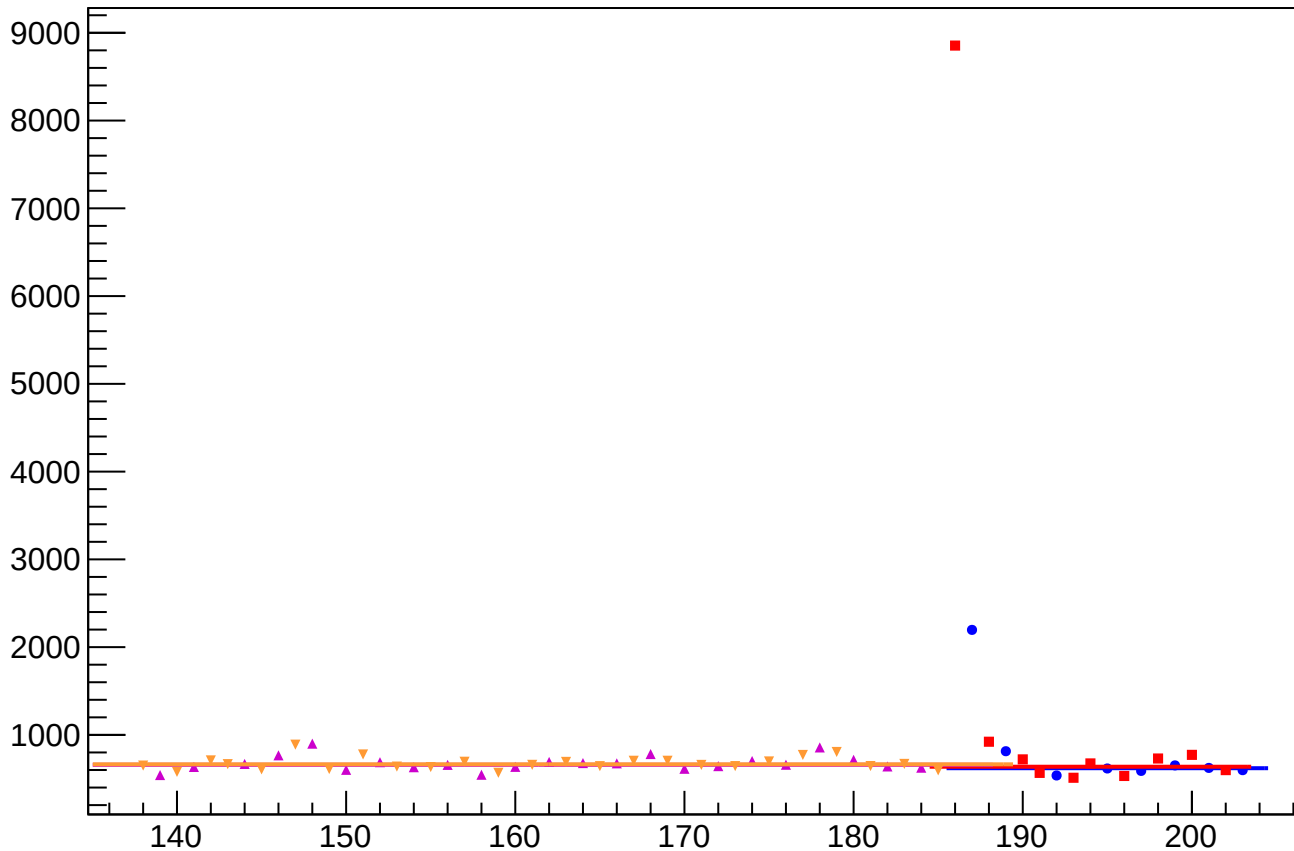
Right: -202.922+/-190.650 χ^2/NDF : 17.6/17

In: -138.304+/-137.975 χ^2/NDF : 48.4/30

Out: -246.255+/-133.962 χ^2/NDF : 29.0/34

All: -193.873+/-96.113 χ^2/NDF : 77.7/65

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 620.489+/-0.198 χ^2/NDF : 233319.1/7

Left Out: 664.618+/-0.111 χ^2/NDF : 356964.3/24

Right Out: 637.299+/-0.184 χ^2/NDF : 1043572.2/9

Left In: 659.230+/-0.112 χ^2/NDF : 472744.9/22

Left: 661.962+/-0.079 χ^2/NDF : 830881.0/47

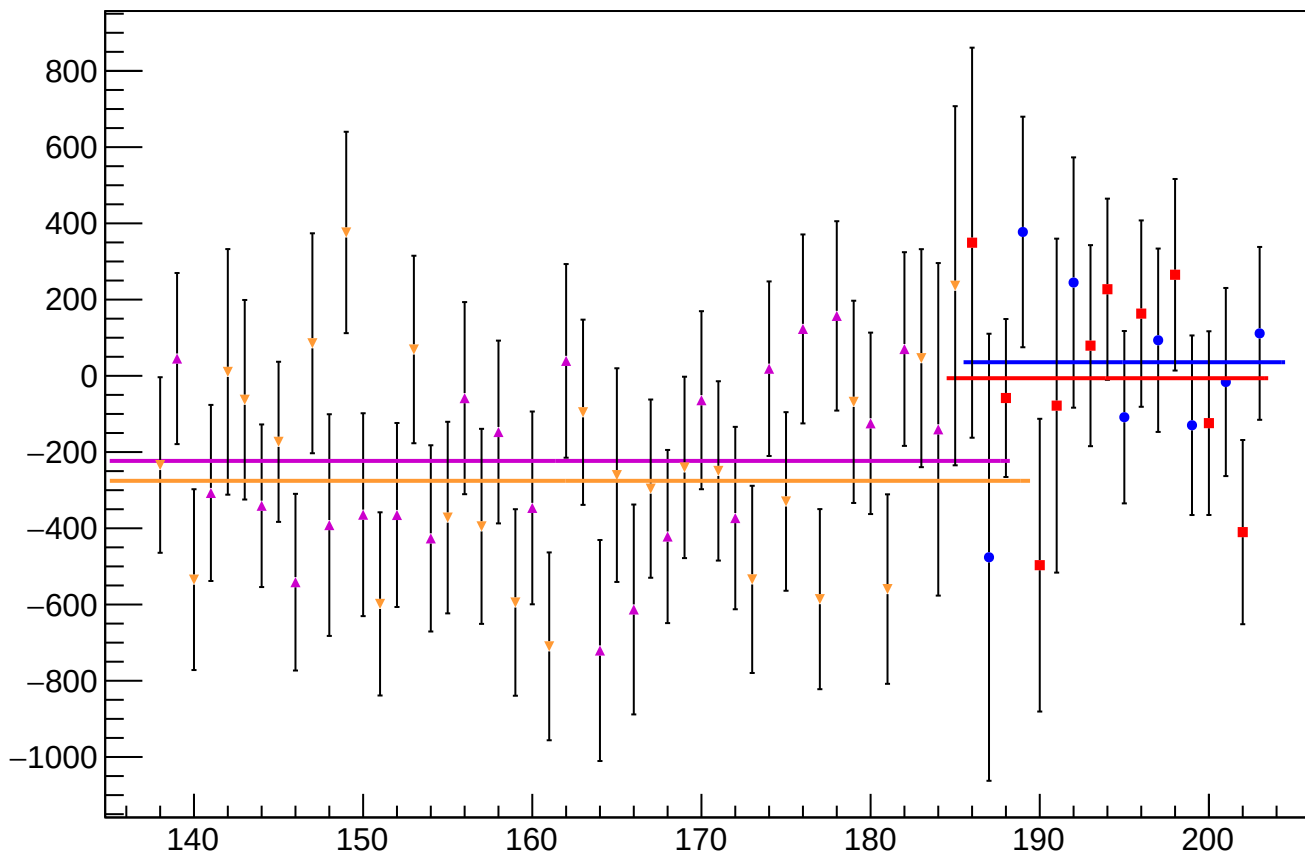
Right: 629.526+/-0.135 χ^2/NDF : 1280756.7/17

In: 649.847+/-0.098 χ^2/NDF : 735003.2/30

Out: 657.367+/-0.095 χ^2/NDF : 1416753.2/34

All: 653.718+/-0.068 χ^2/NDF : 2154814.6/65

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 35.719 ± 93.722 $\chi^2/\text{NDF}: 3.6/7$

Left Out: -275.447 ± 50.539 $\chi^2/\text{NDF}: 27.3/24$

Right Out: -6.228 ± 85.099 $\chi^2/\text{NDF}: 8.0/9$

Left In: -223.195 ± 51.742 $\chi^2/\text{NDF}: 20.8/22$

Left: -249.935 ± 36.154 $\chi^2/\text{NDF}: 48.6/47$

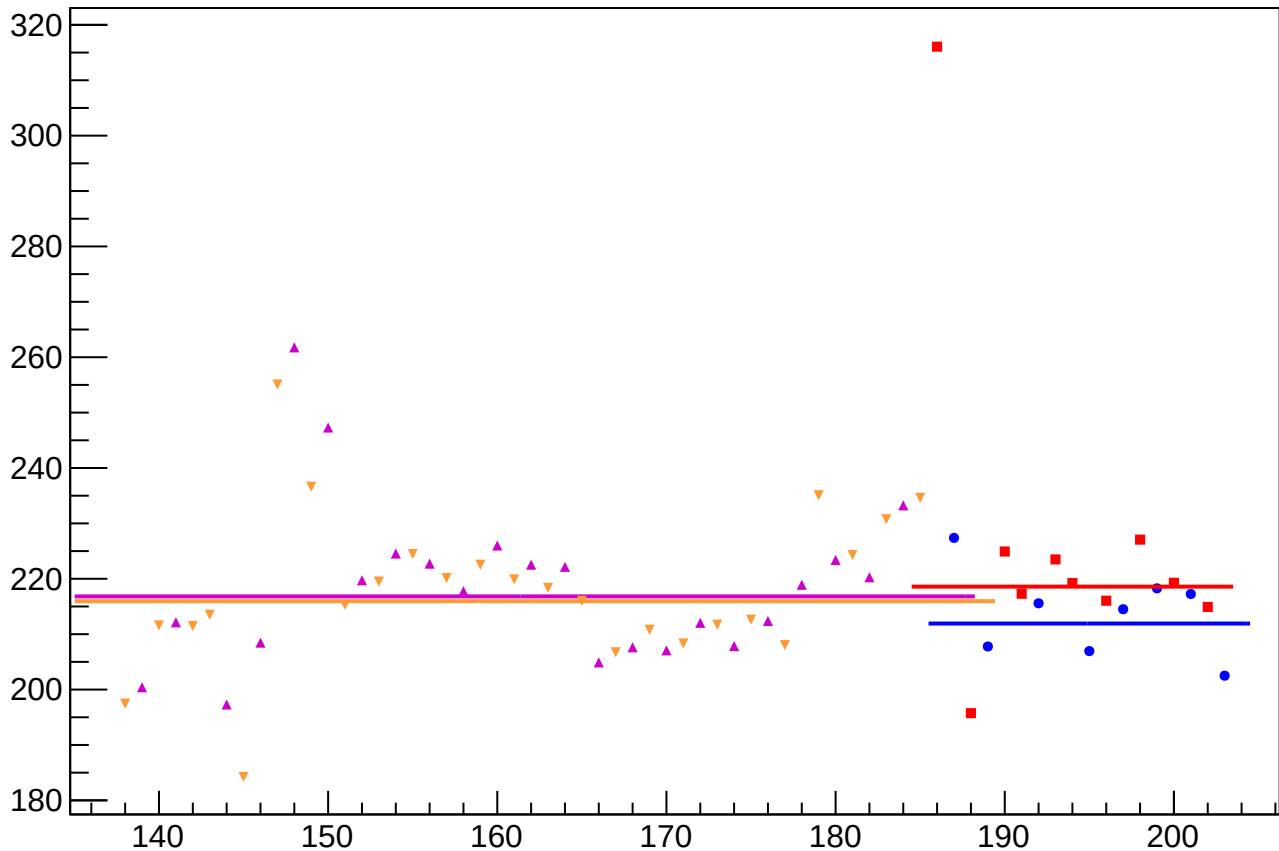
Right: 12.728 ± 63.002 $\chi^2/\text{NDF}: 11.6/17$

In: -162.714 ± 45.297 $\chi^2/\text{NDF}: 30.2/30$

Out: -205.250 ± 43.454 $\chi^2/\text{NDF}: 42.7/34$

All: -184.865 ± 31.358 $\chi^2/\text{NDF}: 73.3/65$

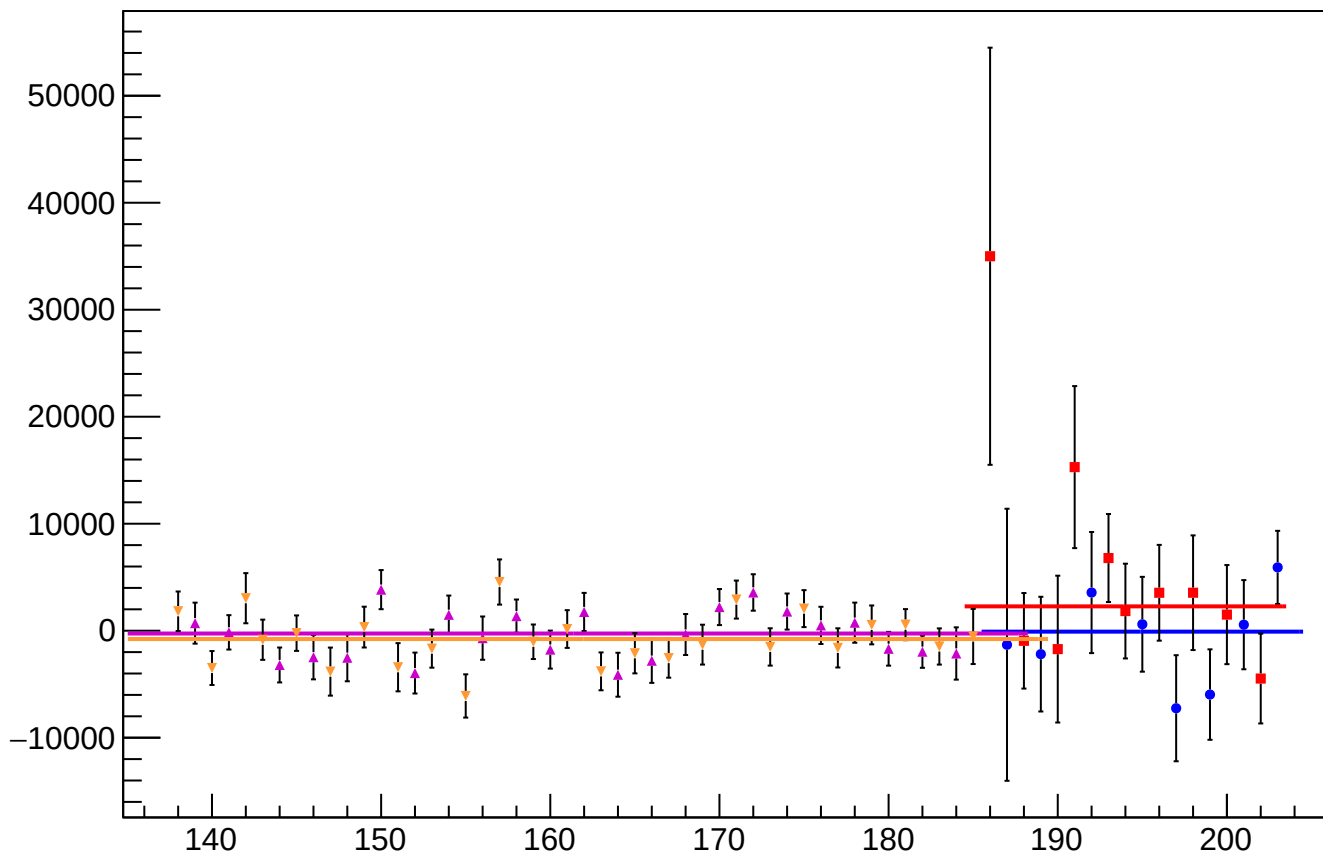
dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 211.921 $\pm$ 0.066 χ^2 /NDF: 9047.6/7
 Left Out: 215.963 $\pm$ 0.036 χ^2 /NDF: 144735.1/24
 Right Out: 218.583 $\pm$ 0.060 χ^2 /NDF: 101130.6/9
 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: 215.573 $\pm$ 0.045 χ^2 /NDF: 115718.4/17
 In: 215.676 $\pm$ 0.032 χ^2 /NDF: 145757.2/30
 Out: 216.646 $\pm$ 0.031 χ^2 /NDF: 247267.5/34
 All: 216.182 $\pm$ 0.022 χ^2 /NDF: 393502.2/65

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -87.341 ± 1659.657 χ^2/NDF : 7.7/7

Left Out: -779.146 ± 366.965 χ^2/NDF : 38.5/24

Right Out: 2275.299 ± 1601.832 χ^2/NDF : 10.6/9

Left In: -261.815 ± 376.203 χ^2/NDF : 35.4/22

Left: -526.910 ± 262.688 χ^2/NDF : 74.9/47

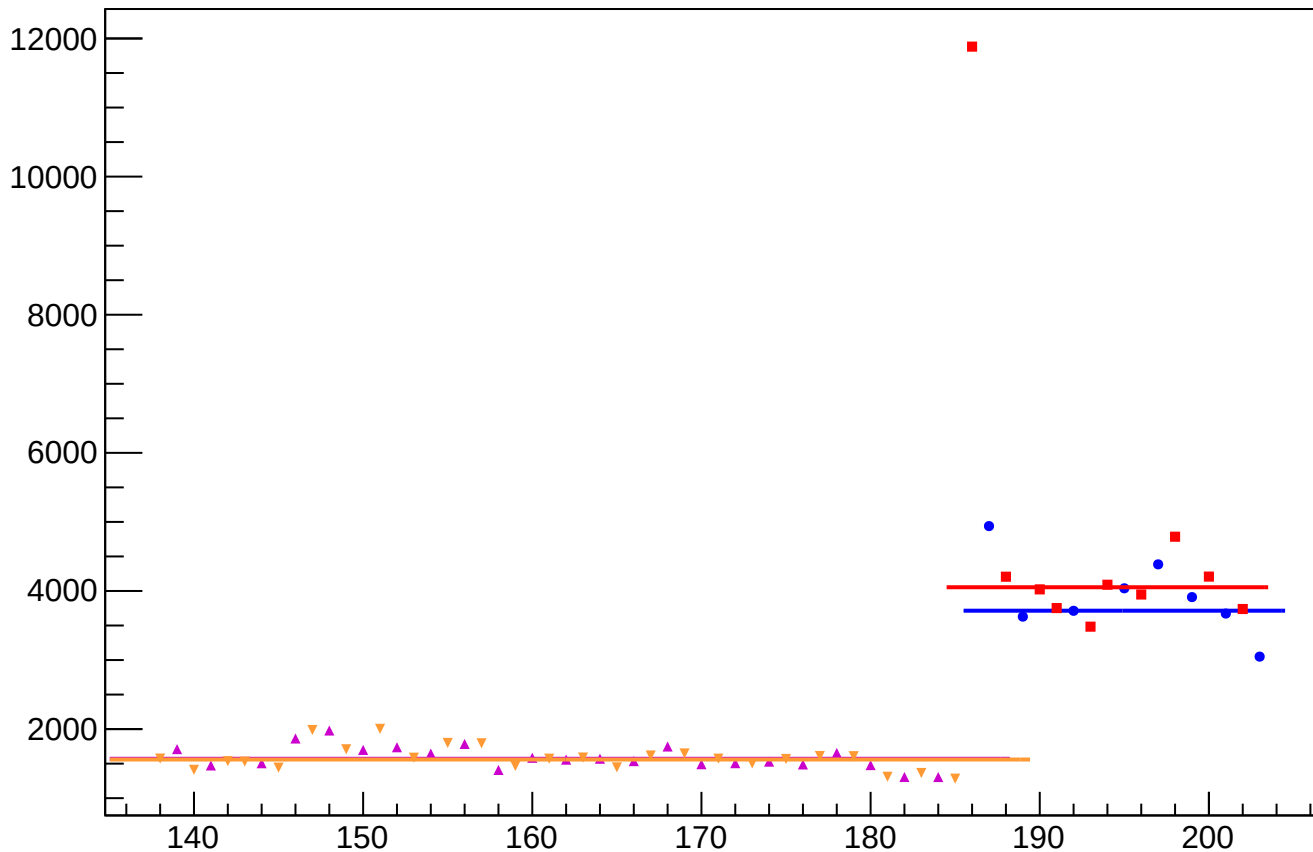
Right: 1135.855 ± 1152.567 χ^2/NDF : 19.4/17

In: -253.288 ± 366.895 χ^2/NDF : 43.2/30

Out: -626.834 ± 357.698 χ^2/NDF : 52.5/34

All: -444.801 ± 256.121 χ^2/NDF : 96.3/65

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 3714.479 $\pm$ 1.174 χ^2/NDF : 146751.4/7

Left Out: 1559.504 $\pm$ 0.259 χ^2/NDF : 379160.1/24

Right Out: 4054.011 $\pm$ 1.133 χ^2/NDF : 418592.9/9

Left In: 1570.331 $\pm$ 0.266 χ^2/NDF : 329434.5/22

Left: 1564.783 $\pm$ 0.186 χ^2/NDF : 709443.3/47

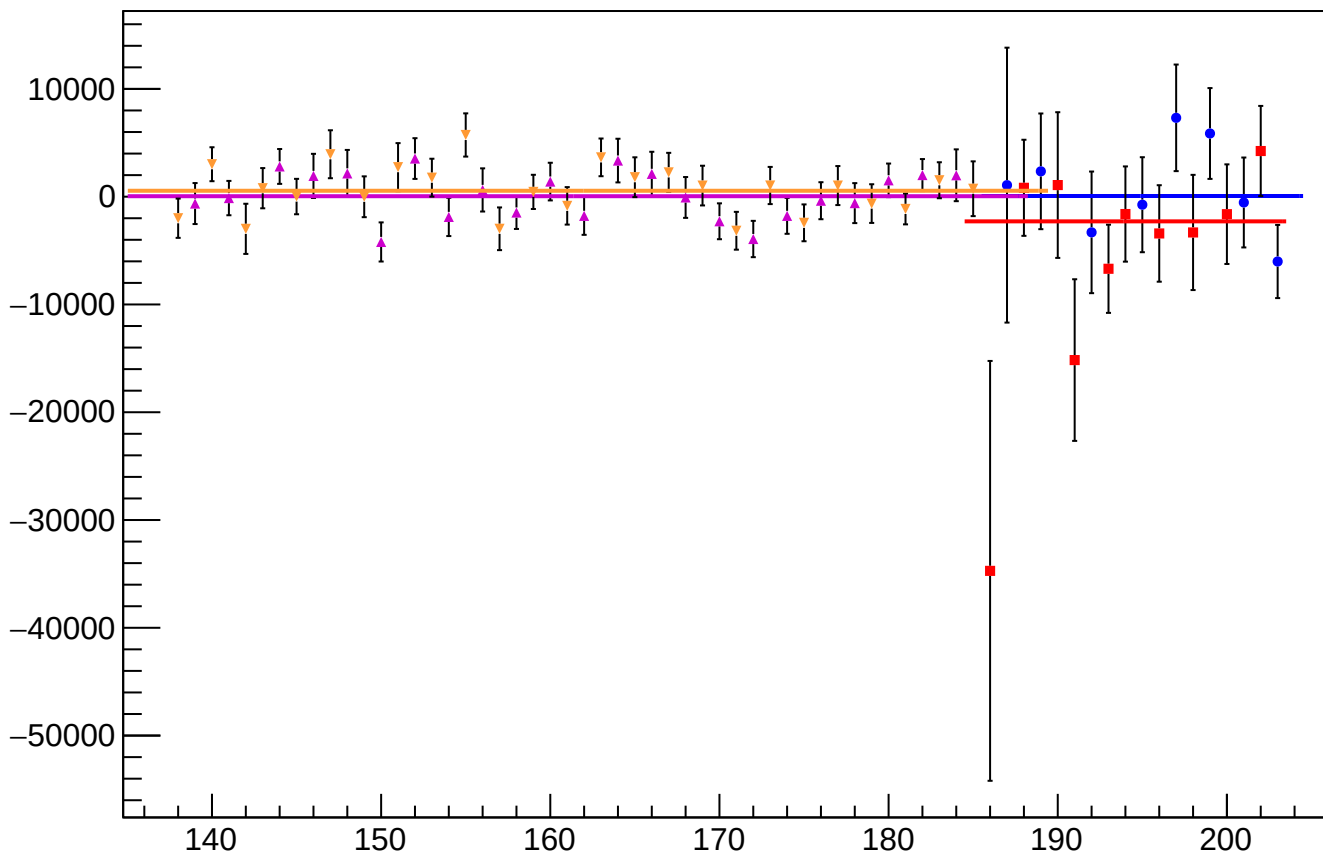
Right: 3890.263 $\pm$ 0.815 χ^2/NDF : 608680.7/17

In: 1675.116 $\pm$ 0.259 χ^2/NDF : 3651176.1/30

Out: 1683.894 $\pm$ 0.253 χ^2/NDF : 5406155.6/34

All: 1679.617 $\pm$ 0.181 χ^2/NDF : 9057918.6/65

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 63.158+/-1654.744 χ^2/NDF : 7.9/7

Left Out: 550.093+/-362.172 χ^2/NDF :35.6/24

Right Out: -2289.412+/-1596.296 χ^2/NDF : 10.2/9

Left In: 43.949+/-371.765 χ^2/NDF :33.5/22

Left: 303.636+/-259.420 χ^2/NDF : 70.0/47

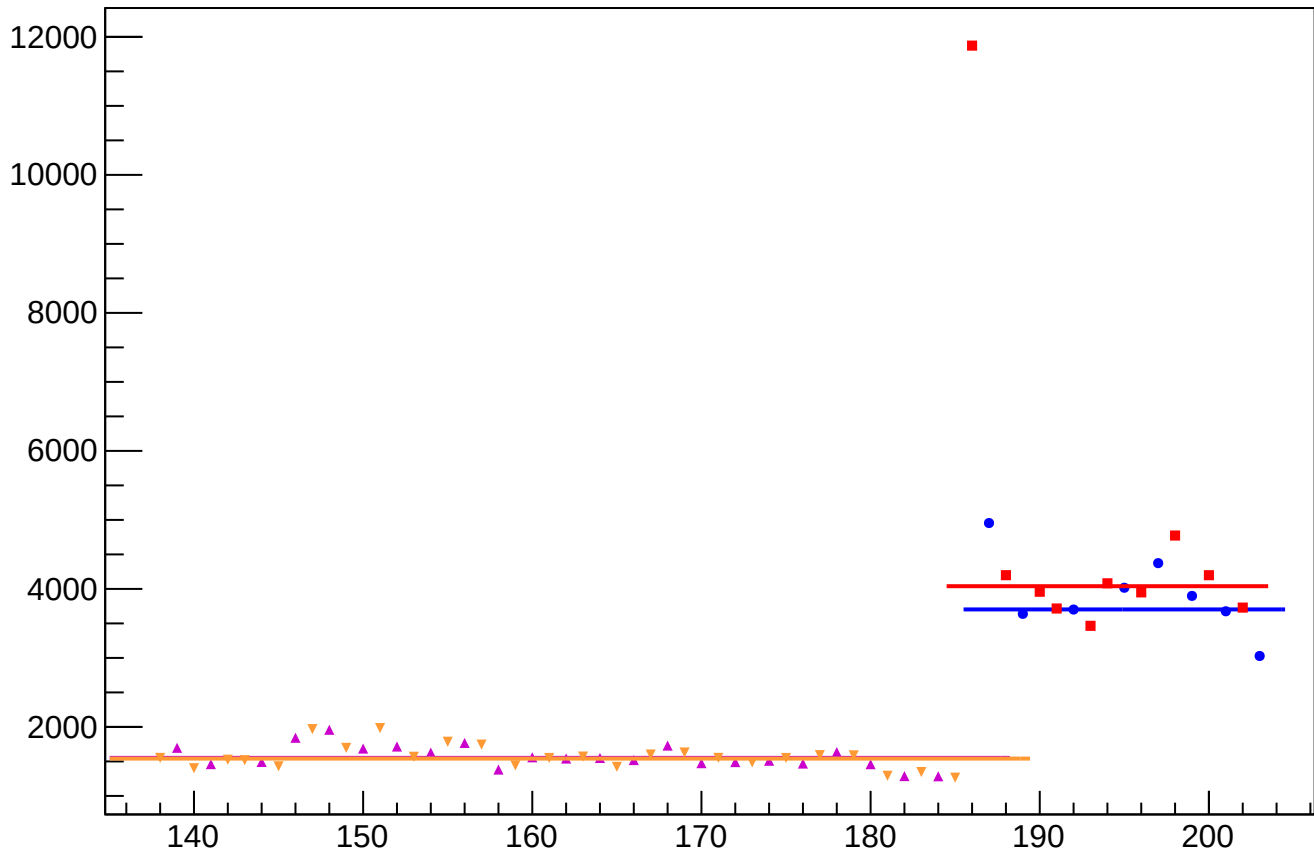
Right: -1155.409+/-1148.859 χ^2/NDF : 19.1/17

In: 44.872+/-362.724 χ^2/NDF :41.4/30

Out: 411.083+/-353.196 χ^2/NDF :48.8/34

All: 232.851+/-253.049 χ^2/NDF : 90.6/65

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 3702.799+/-1.170 χ^2/NDF : 149893.5/7

Left Out: 1541.149+/-0.256 χ^2/NDF : 382077.8/24

Right Out: 4039.319+/-1.129 χ^2/NDF : 421544.8/9

Left In: 1551.481+/-0.263 χ^2/NDF : 339002.9/22

Left: 1546.180+/-0.183 χ^2/NDF : 721873.3/47

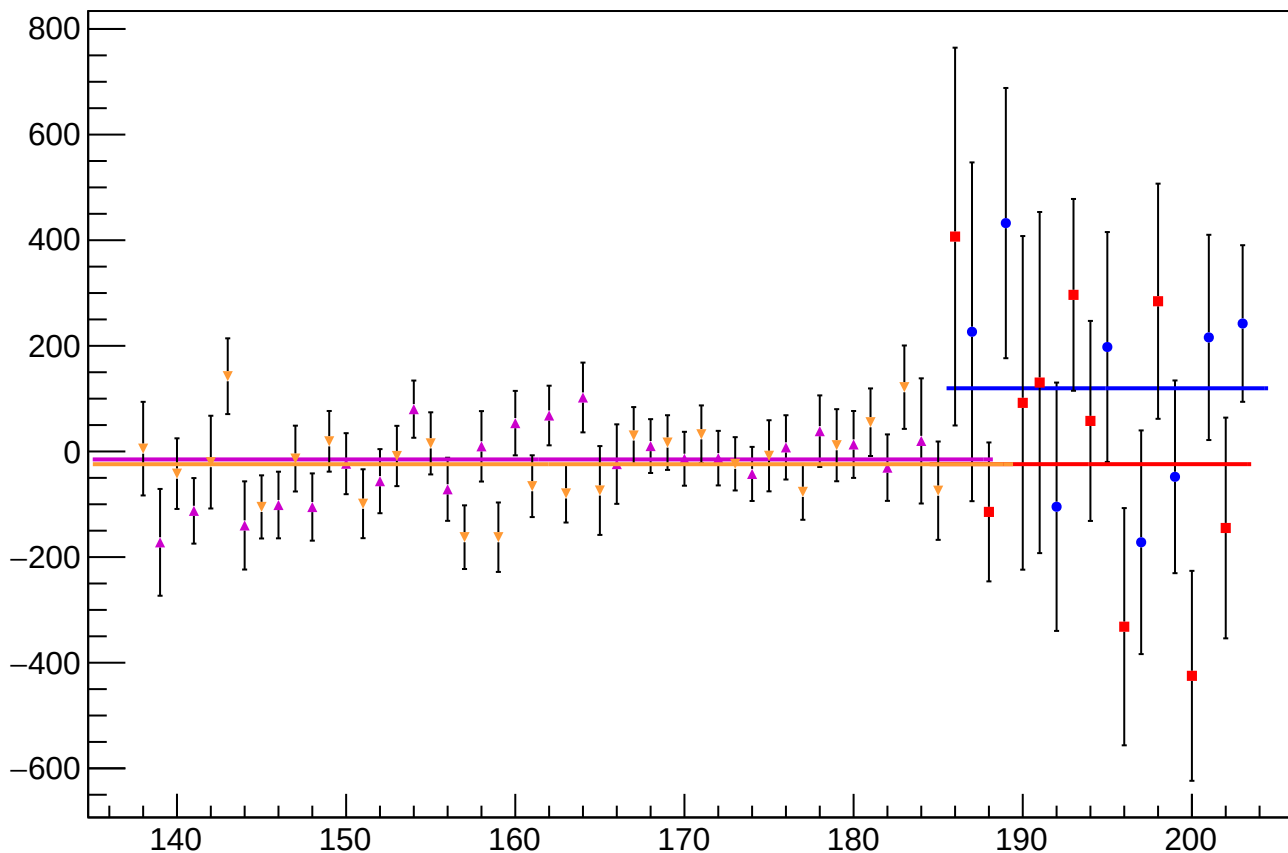
Right: 3877.107+/-0.812 χ^2/NDF : 614282.9/17

In: 1654.851+/-0.256 χ^2/NDF : 3706940.0/30

Out: 1663.448+/-0.250 χ^2/NDF : 5462141.9/34

All: 1659.264+/-0.179 χ^2/NDF : 9169658.6/65

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 119.655 ± 72.834 $\chi^2/\text{NDF}: 6.3/7$

Left Out: -24.126 ± 12.525 $\chi^2/\text{NDF}: 30.7/24$

Right Out: -24.040 ± 65.704 $\chi^2/\text{NDF}: 13.8/9$

Left In: -15.058 ± 12.921 $\chi^2/\text{NDF}: 23.8/22$

Left: -19.733 ± 8.993 $\chi^2/\text{NDF}: 54.8/47$

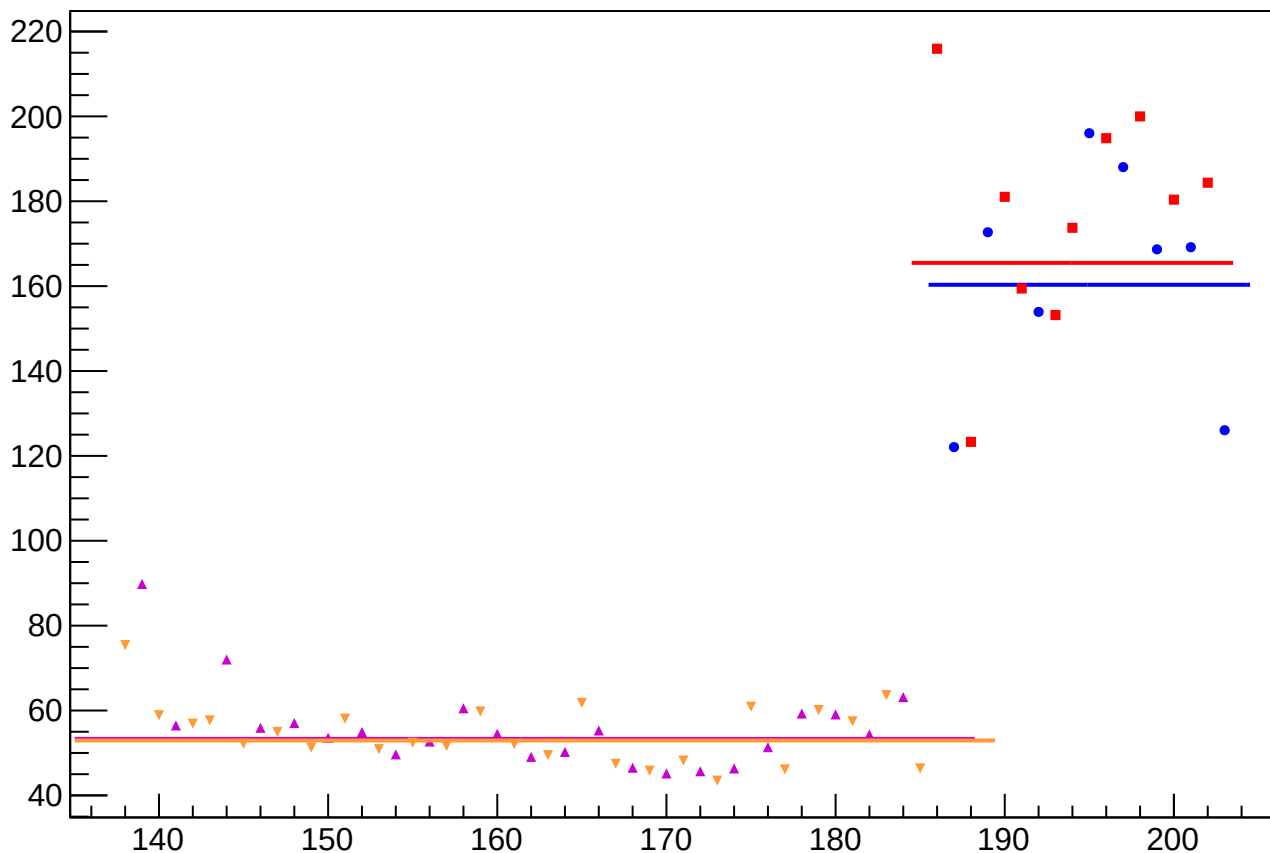
Right: 40.432 ± 48.786 $\chi^2/\text{NDF}: 22.2/17$

In: -10.948 ± 12.722 $\chi^2/\text{NDF}: 33.5/30$

Out: -24.123 ± 12.303 $\chi^2/\text{NDF}: 44.5/34$

All: -17.756 ± 8.844 $\chi^2/\text{NDF}: 78.5/65$

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 160.321+/-0.052 χ^2/NDF : 237941.1/7

Left Out: 52.942+/-0.009 χ^2/NDF : 513146.0/24

Right Out: 165.483+/-0.046 χ^2/NDF : 373839.8/9

Left In: 53.312+/-0.009 χ^2/NDF : 644220.1/22

Left: 53.121+/-0.006 χ^2/NDF : 1158211.4/47

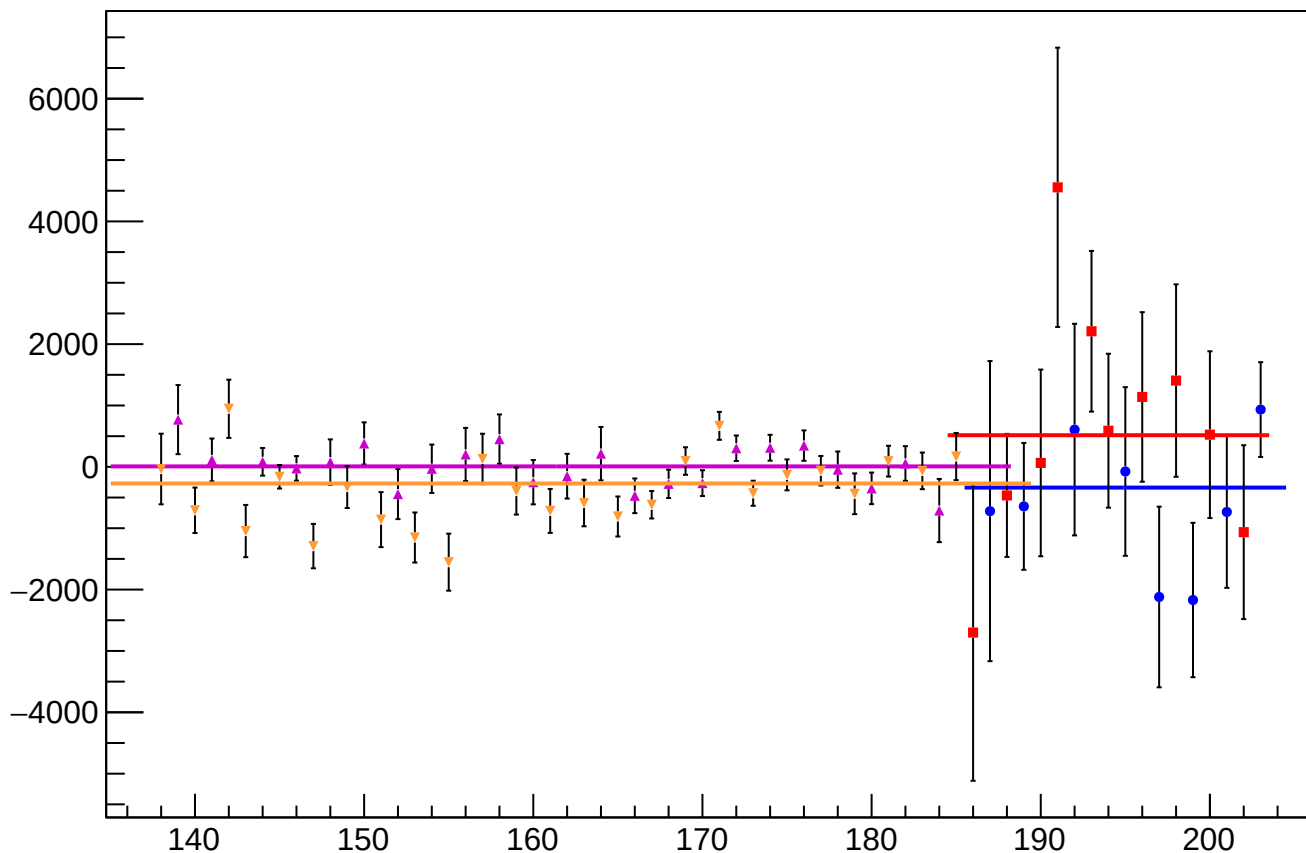
Right: 163.167+/-0.034 χ^2/NDF : 617319.7/17

In: 56.577+/-0.009 χ^2/NDF : 5067617.4/30

Out: 56.888+/-0.009 χ^2/NDF : 6548862.2/34

All: 56.738+/-0.006 χ^2/NDF : 11617097.1/65

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -337.966 ± 430.643 χ^2/NDF : 6.9/7

Left Out: -271.240 ± 60.285 χ^2/NDF : 67.7/24

Right Out: 515.648 ± 448.098 χ^2/NDF : 9.4/9

Left In: 7.535 ± 60.328 χ^2/NDF : 22.9/22

Left: -131.952 ± 42.643 χ^2/NDF : 101.2/47

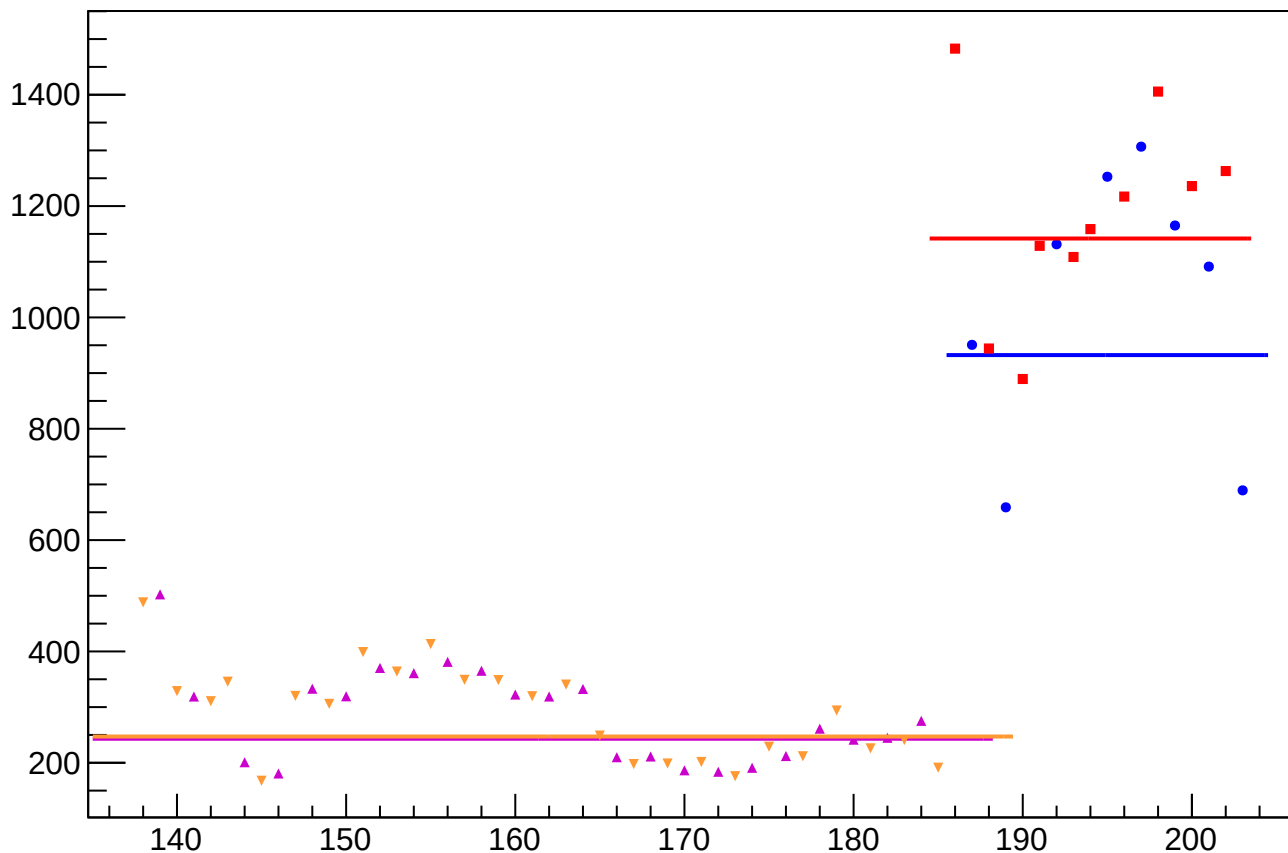
Right: 71.892 ± 310.498 χ^2/NDF : 18.2/17

In: 0.885 ± 59.744 χ^2/NDF : 30.3/30

Out: -257.251 ± 59.746 χ^2/NDF : 80.1/34

All: -128.179 ± 42.246 χ^2/NDF : 119.8/65

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 932.341+/-0.305 χ^2/NDF : 704297.1/7

Left Out: 247.166+/-0.043 χ^2/NDF : 2853302.0/24

Right Out: 1141.745+/-0.317 χ^2/NDF : 261109.0/9

Left In: 243.189+/-0.043 χ^2/NDF : 2571190.8/22

Left: 245.179+/-0.030 χ^2/NDF : 5428841.5/47

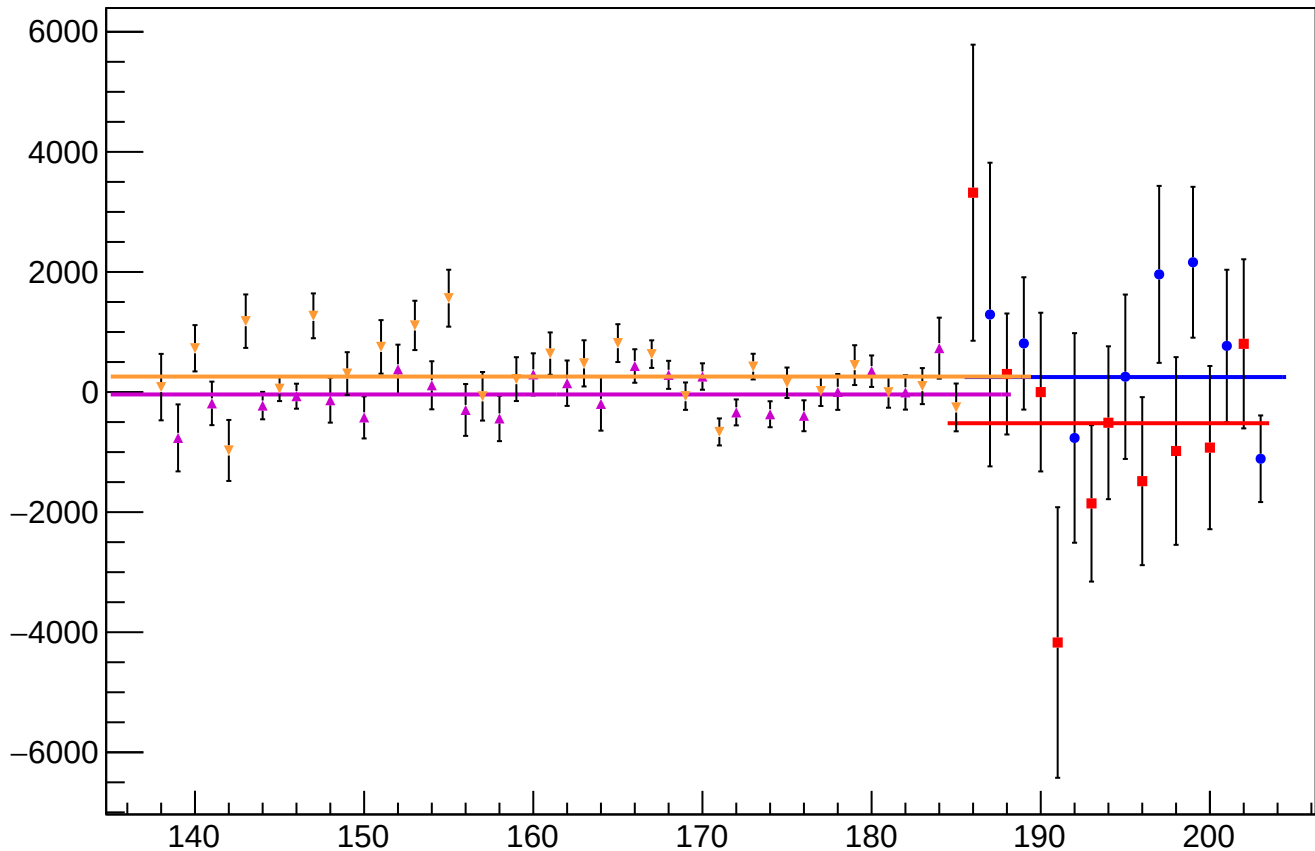
Right: 1032.885+/-0.220 χ^2/NDF : 1192464.5/17

In: 256.453+/-0.042 χ^2/NDF : 8298744.6/30

Out: 263.069+/-0.042 χ^2/NDF : 10943872.4/34

All: 259.761+/-0.030 χ^2/NDF : 19254881.7/65

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 249.725+/-427.201 χ^2/NDF : 8.2/7

Left Out: 258.044+/-61.488 χ^2/NDF : 65.0/24

Right Out: -519.177+/-443.182 χ^2/NDF : 8.5/9

Left In: -40.015+/-61.495 χ^2/NDF : 25.0/22

Left: 109.033+/-43.481 χ^2/NDF : 101.8/47

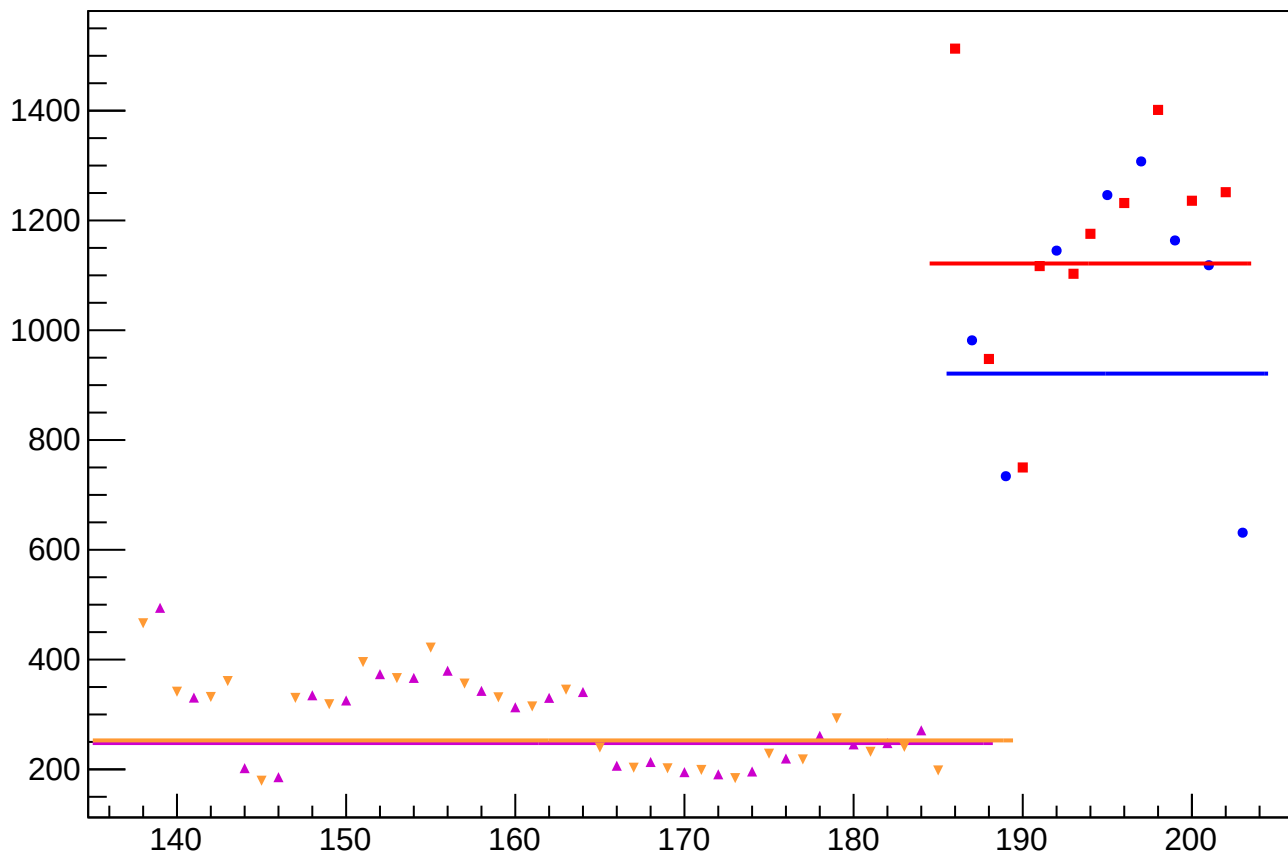
Right: -120.613+/-307.571 χ^2/NDF : 18.2/17

In: -34.133+/-60.868 χ^2/NDF : 33.6/30

Out: 243.366+/-60.904 χ^2/NDF : 76.5/34

All: 104.533+/-43.053 χ^2/NDF : 120.5/65

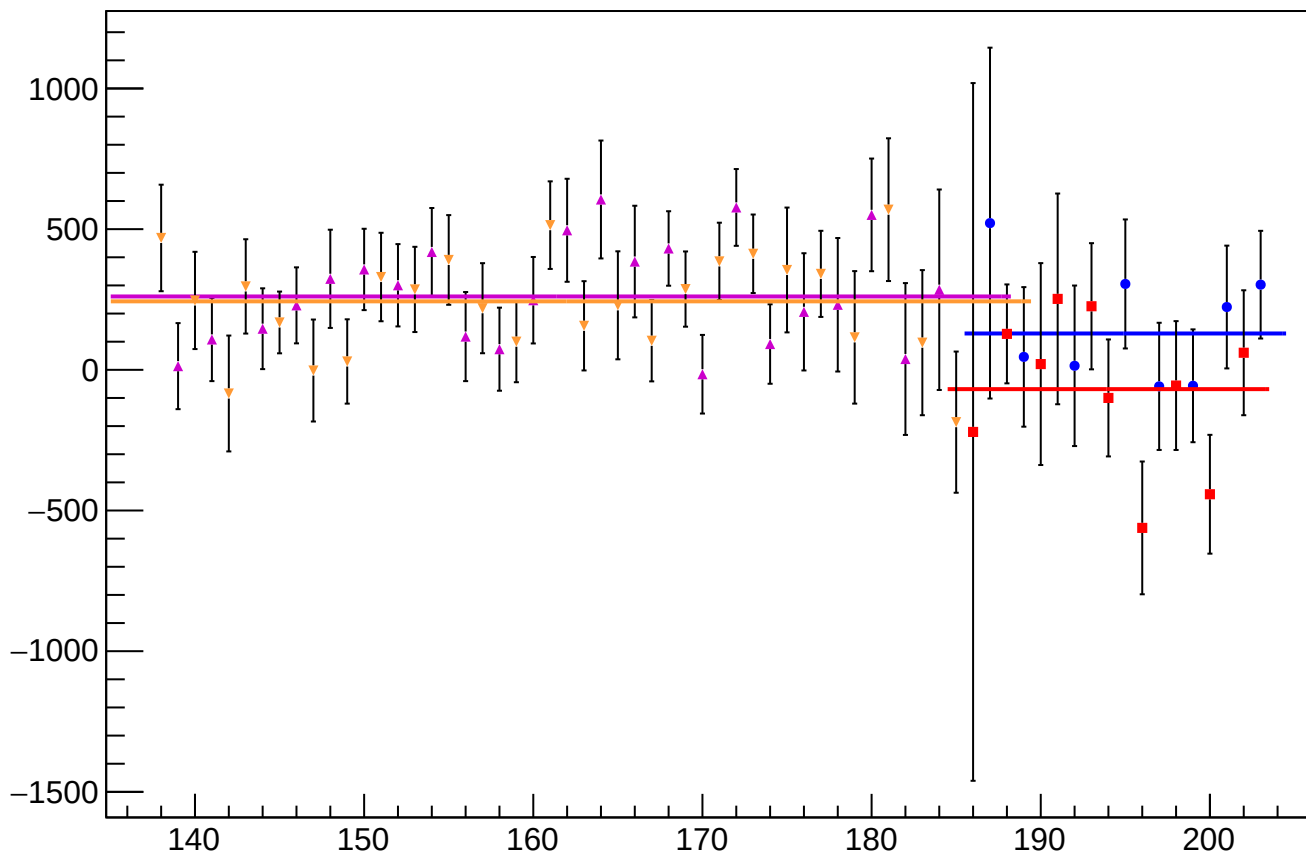
asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 920.998+/-0.302 χ^2/NDF : 788079.7/7
 Left Out: 252.721+/-0.043 χ^2/NDF :2648800.3/24
 Right Out: 1121.585+/-0.313 χ^2/NDF : 379845.0/9
 Left In: 247.919+/-0.043 χ^2/NDF :2374698.8/22

Left: 250.320+/-0.031 χ^2/NDF : 5029597.8/47
 Right: 1017.610+/-0.217 χ^2/NDF : 1380296.5/17
 In: 261.583+/-0.043 χ^2/NDF :8026757.9/30
 Out: 269.130+/-0.043 χ^2/NDF :10570684.8/34
 All: 265.354+/-0.030 χ^2/NDF : 18612807.6/65

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 129.200 $\pm$ 83.656 χ^2 /NDF: 3.8/7

Left Out: 243.442 $\pm$ 32.738 χ^2 /NDF:23.4/24

Right Out: -68.607 $\pm$ 76.543 χ^2 /NDF: 11.6/9

Left In: 260.749 $\pm$ 33.988 χ^2 /NDF:28.5/22

Left: 251.772 $\pm$ 23.579 χ^2 /NDF: 52.0/47

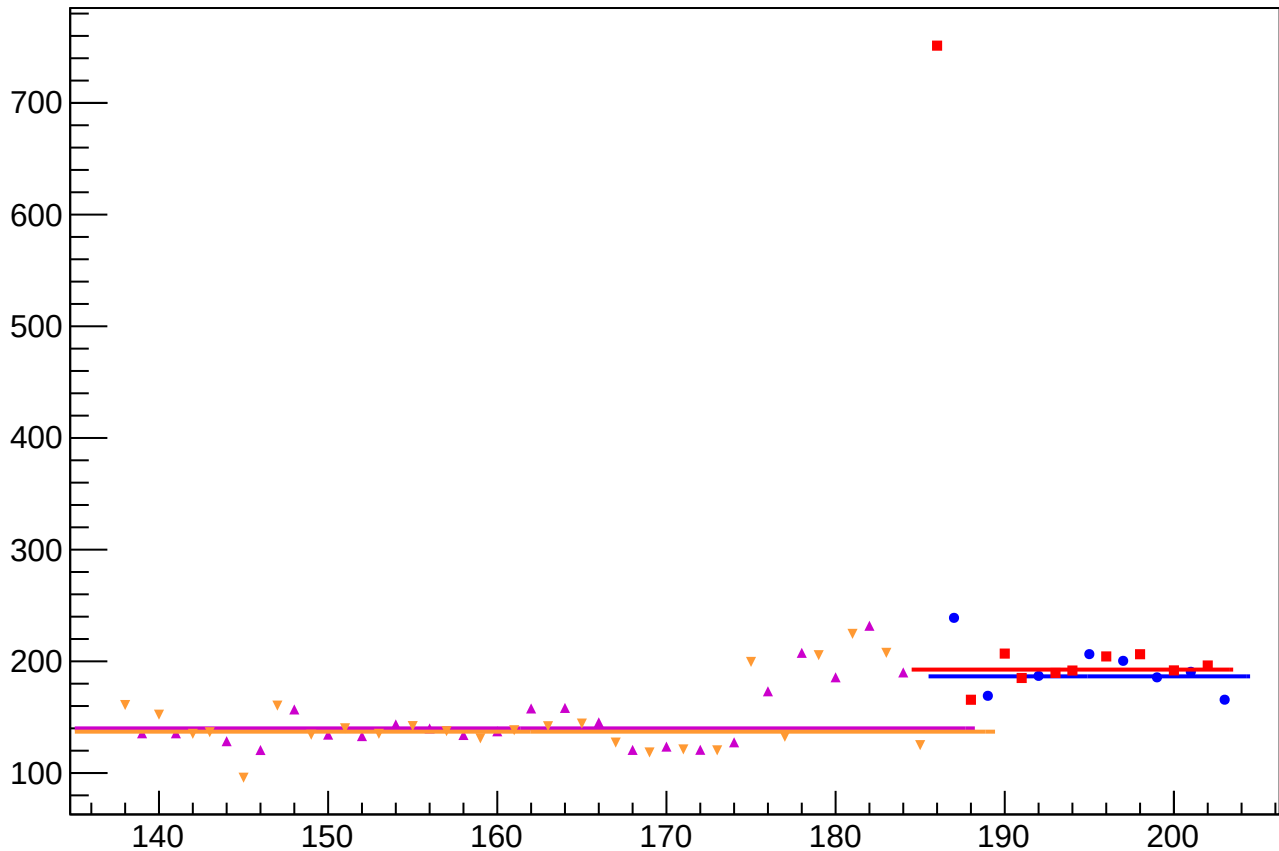
Right: 21.531 $\pm$ 56.472 χ^2 /NDF: 18.5/17

In: 242.112 $\pm$ 31.488 χ^2 /NDF:34.4/30

Out: 195.185 $\pm$ 30.101 χ^2 /NDF:49.1/34

All: 217.591 $\pm$ 21.758 χ^2 /NDF: 84.7/65

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 186.555 $\pm$ 0.059 χ^2/NDF : 71193.6/7

Left Out: 137.036 $\pm$ 0.023 χ^2/NDF :1200381.2/24

Right Out: 192.616 $\pm$ 0.054 χ^2/NDF : 470358.8/9

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

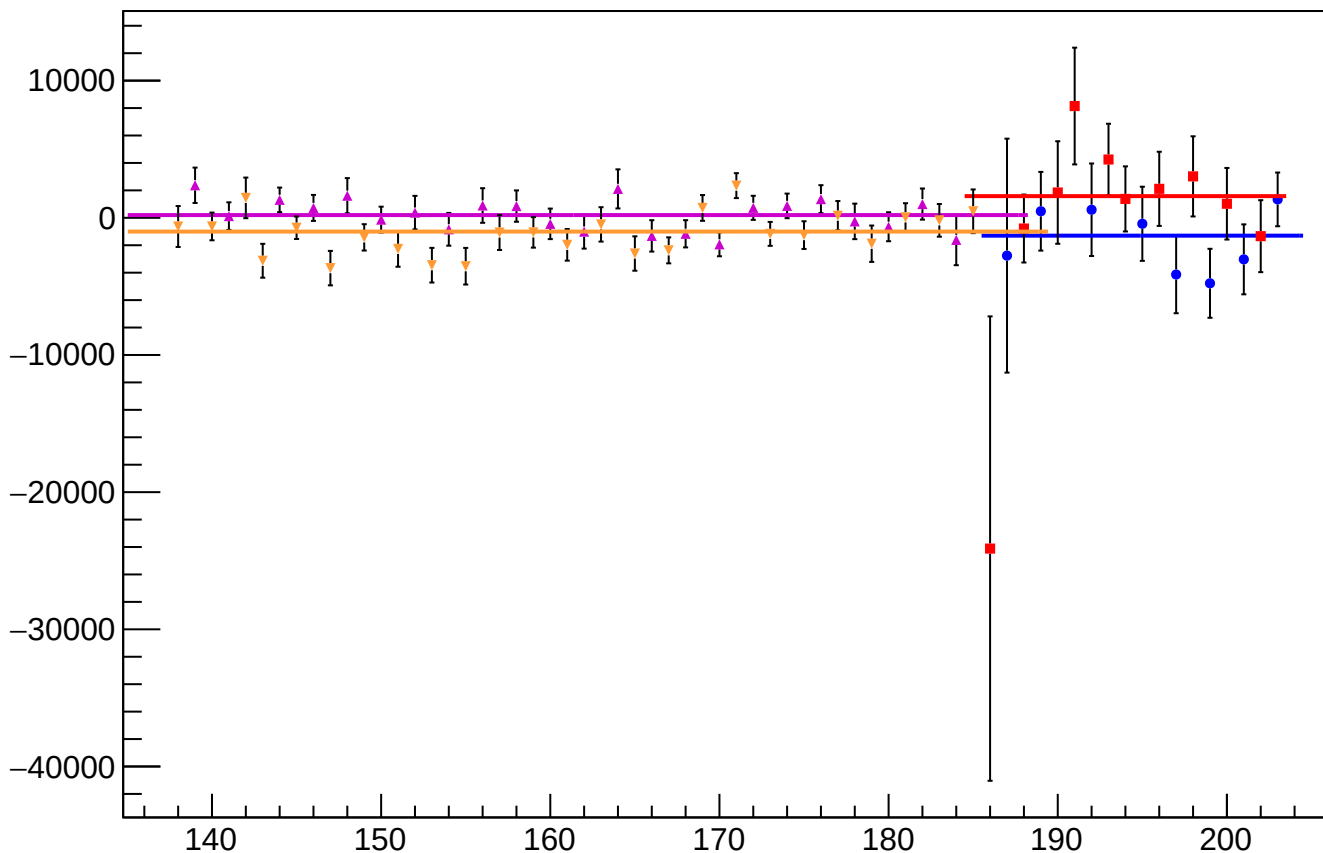
Right: 189.854 $\pm$ 0.040 χ^2/NDF : 547266.0/17

In: 146.567 $\pm$ 0.022 χ^2/NDF :1441745.6/30

Out: 145.631 $\pm$ 0.021 χ^2/NDF :2562188.3/34

All: 146.078 $\pm$ 0.015 χ^2/NDF : 4004856.8/65

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -1301.097 ± 972.182 $\chi^2/\text{NDF}: 6.0/7$

Left Out: -1004.364 ± 222.387 $\chi^2/\text{NDF}: 44.7/24$

Right Out: 1579.453 ± 926.831 $\chi^2/\text{NDF}: 8.2/9$

Left In: 198.654 ± 225.997 $\chi^2/\text{NDF}: 24.6/22$

Left: -412.541 ± 158.512 $\chi^2/\text{NDF}: 83.7/47$

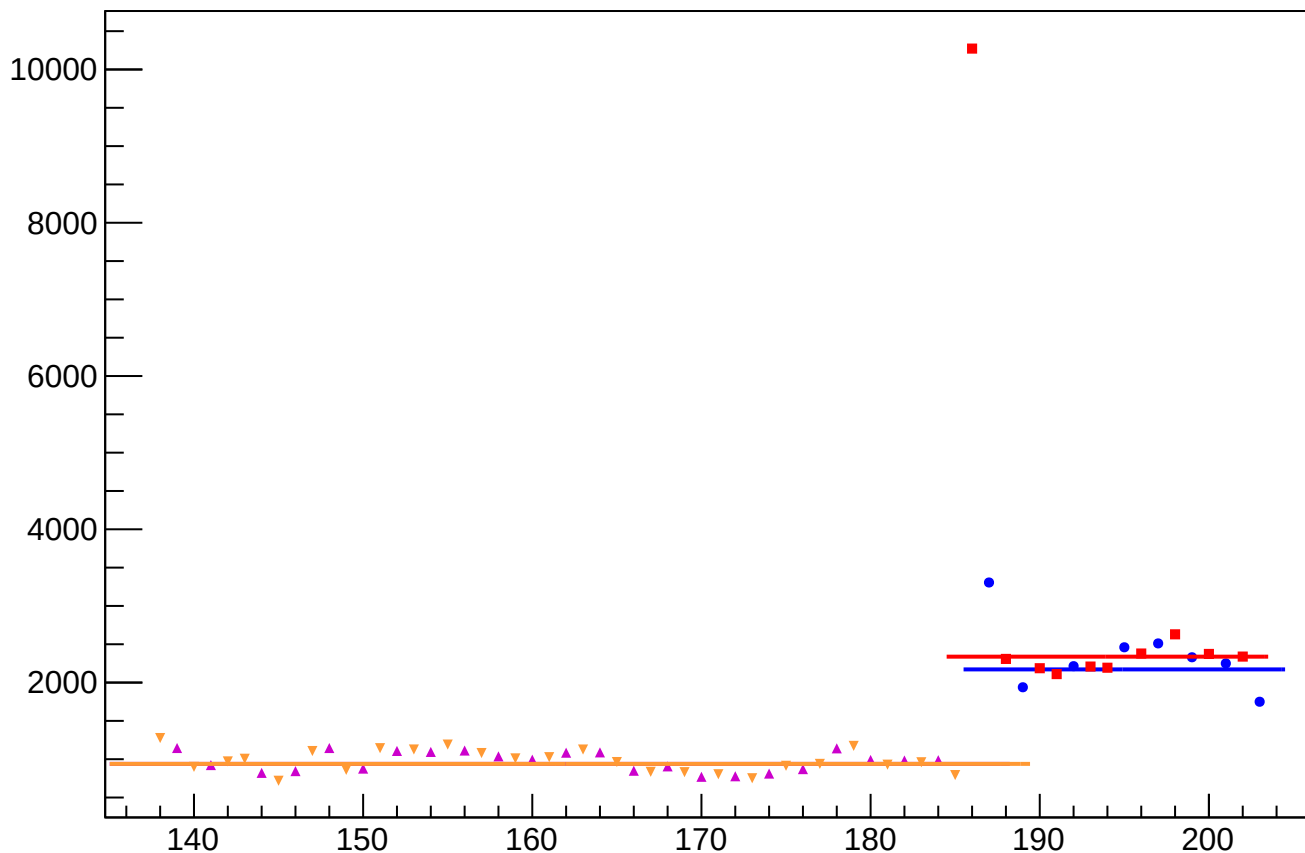
Right: 207.930 ± 670.828 $\chi^2/\text{NDF}: 18.8/17$

In: 121.763 ± 220.128 $\chi^2/\text{NDF}: 32.9/30$

Out: -863.704 ± 216.249 $\chi^2/\text{NDF}: 60.2/34$

All: -379.729 ± 154.264 $\chi^2/\text{NDF}: 103.4/65$

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 2171.771+/-0.687 χ^2/NDF : 203243.9/7

Left Out: 938.988+/-0.157 χ^2/NDF : 828400.0/24

Right Out: 2338.080+/-0.655 χ^2/NDF : 481703.3/9

Left In: 938.755+/-0.160 χ^2/NDF : 611419.0/22

Left: 938.874+/-0.112 χ^2/NDF : 1439820.2/47

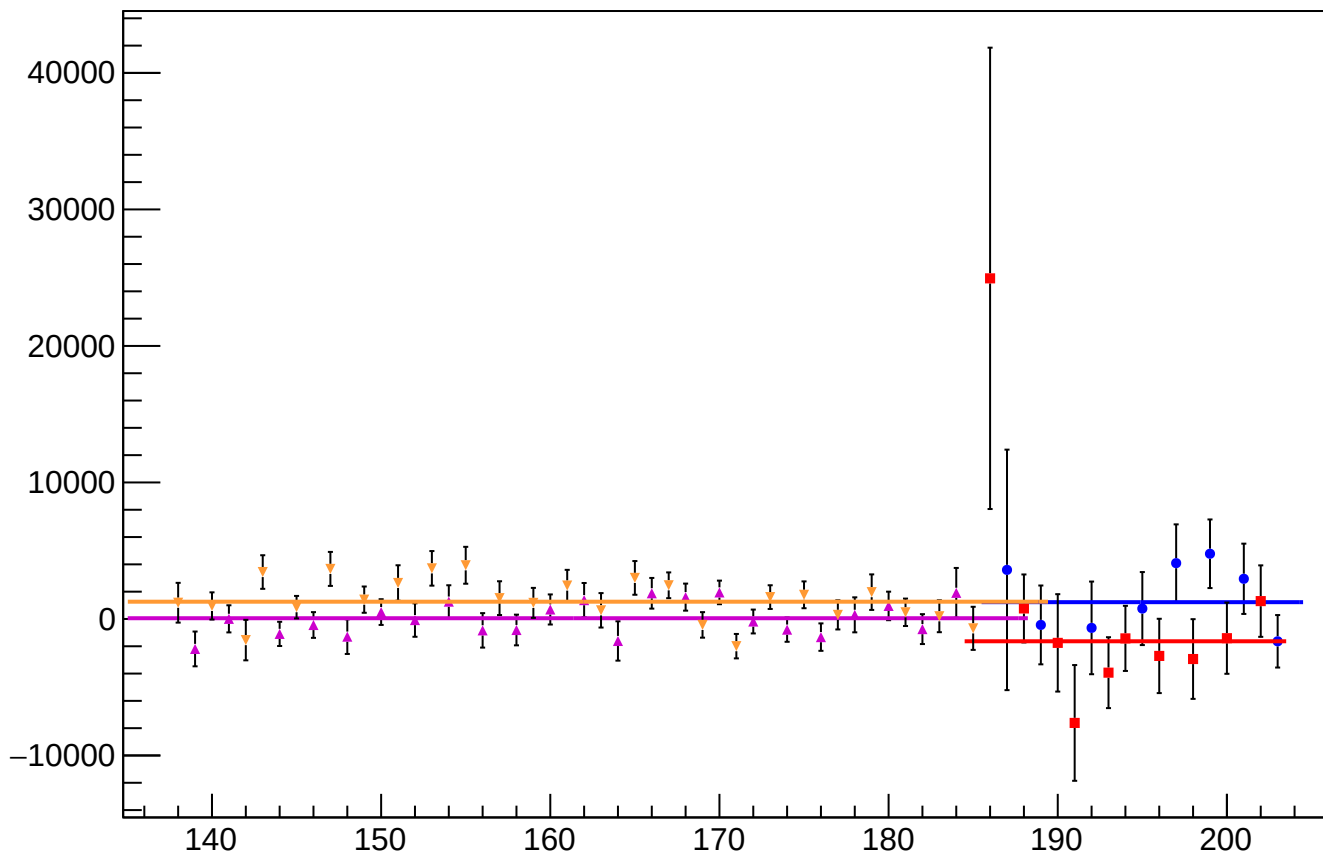
Right: 2258.895+/-0.474 χ^2/NDF : 715608.5/17

In: 1001.971+/-0.156 χ^2/NDF : 3866877.4/30

Out: 1015.153+/-0.153 χ^2/NDF : 5619446.7/34

All: 1008.679+/-0.109 χ^2/NDF : 9489974.2/65

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 1230.242+/-969.689 χ^2/NDF : 6.4/7

Left Out: 1264.940+/-220.626 χ^2/NDF :45.5/24

Right Out: -1634.145+/-925.239 χ^2/NDF : 7.8/9

Left In: 53.940+/-224.371 χ^2/NDF :26.4/22

Left: 669.631+/-157.313 χ^2/NDF : 86.8/47

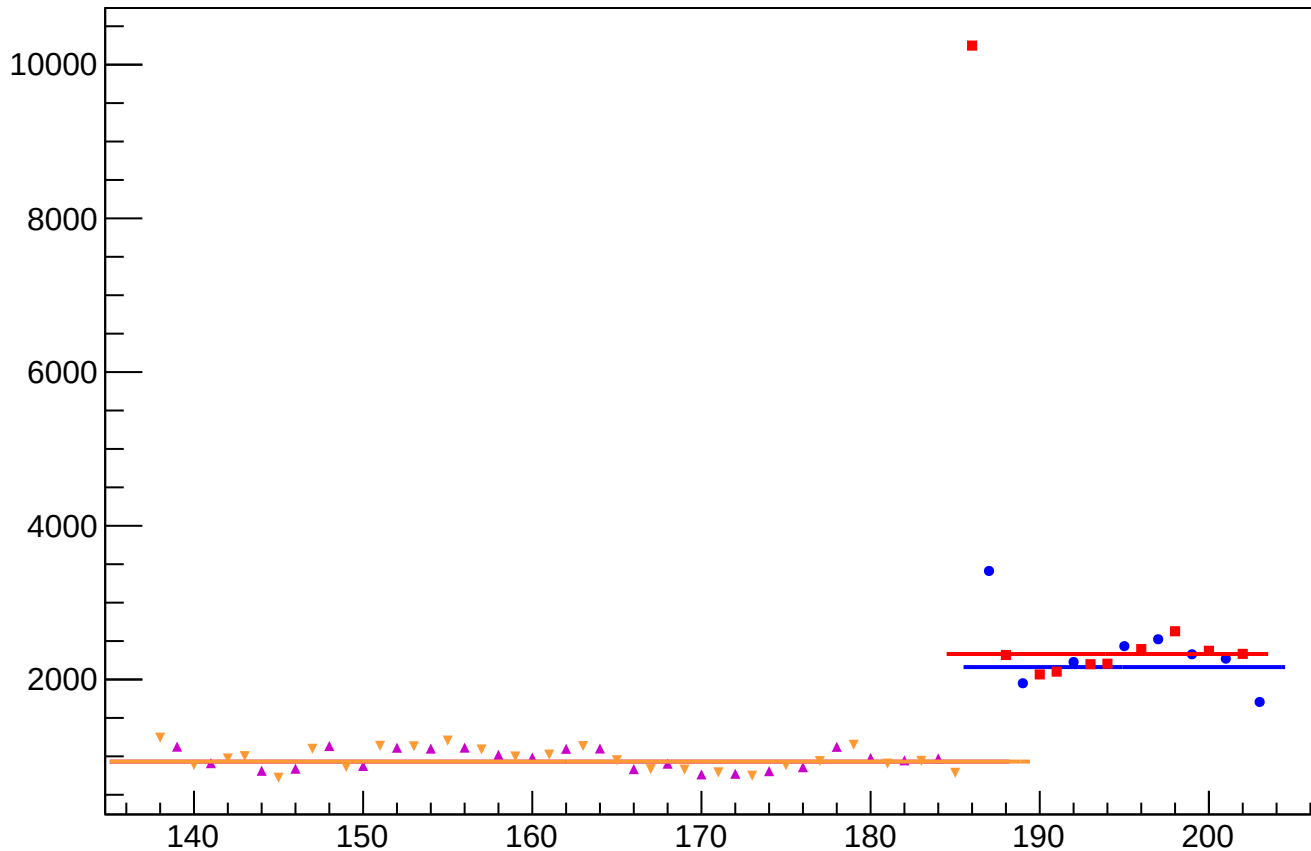
Right: -269.105+/-669.405 χ^2/NDF : 18.8/17

In: 113.717+/-218.595 χ^2/NDF :34.2/30

Out: 1108.967+/-214.609 χ^2/NDF :62.6/34

All: 620.500+/-153.141 χ^2/NDF : 107.4/65

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 2161.298+/-0.686 χ^2/NDF : 228867.2/7

Left Out: 932.170+/-0.156 χ^2/NDF : 828733.8/24

Right Out: 2331.655+/-0.654 χ^2/NDF : 488962.6/9

Left In: 930.854+/-0.159 χ^2/NDF : 621985.5/22

Left: 931.523+/-0.111 χ^2/NDF : 1450754.2/47

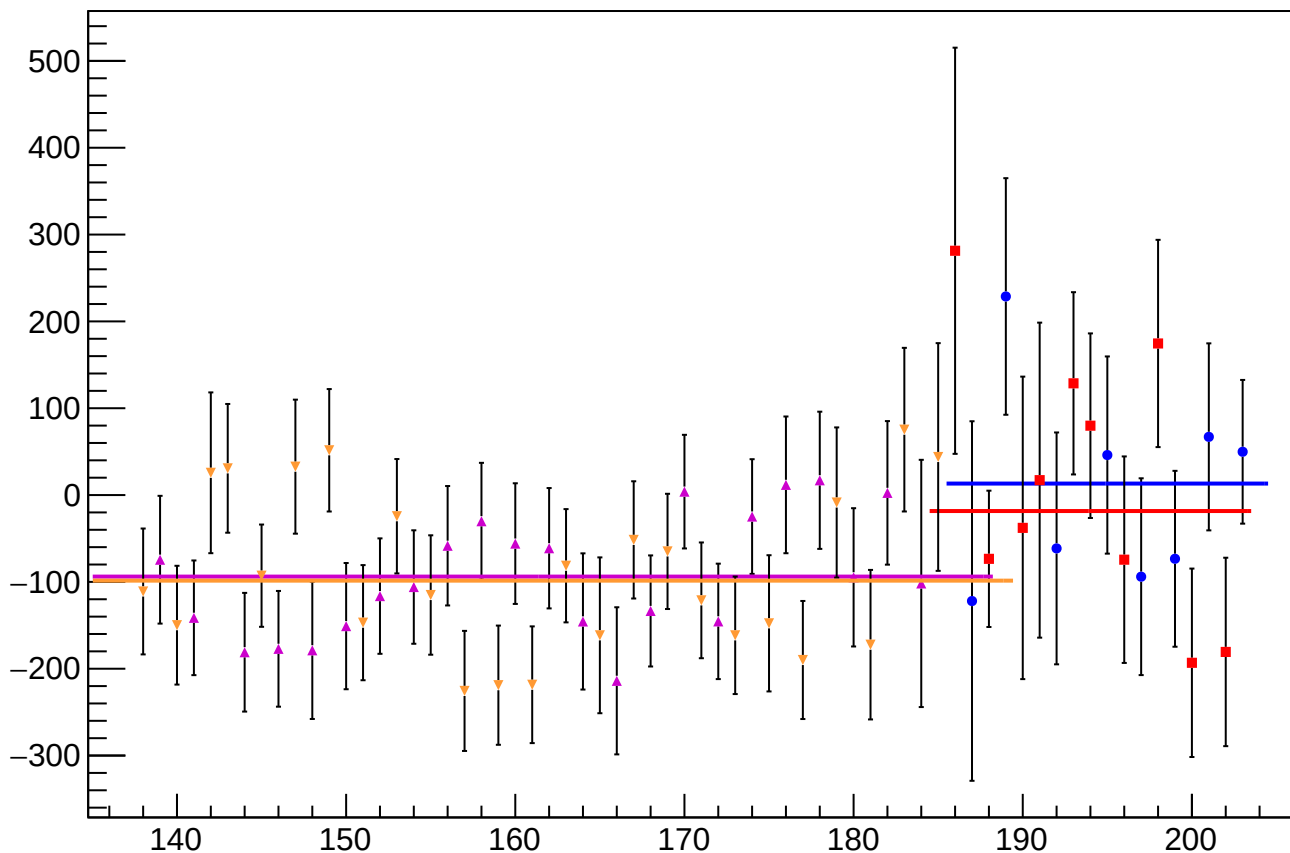
Right: 2250.470+/-0.473 χ^2/NDF : 750141.4/17

In: 993.383+/-0.155 χ^2/NDF : 3907449.6/30

Out: 1007.463+/-0.152 χ^2/NDF : 5647234.4/34

All: 1000.553+/-0.108 χ^2/NDF : 9558909.5/65

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 13.234 $\pm$ 40.211 χ^2 /NDF: 5.4/7

Left Out: -98.557 $\pm$ 14.525 χ^2 /NDF:35.2/24

Right Out: -18.399 $\pm$ 36.909 χ^2 /NDF: 12.7/9

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

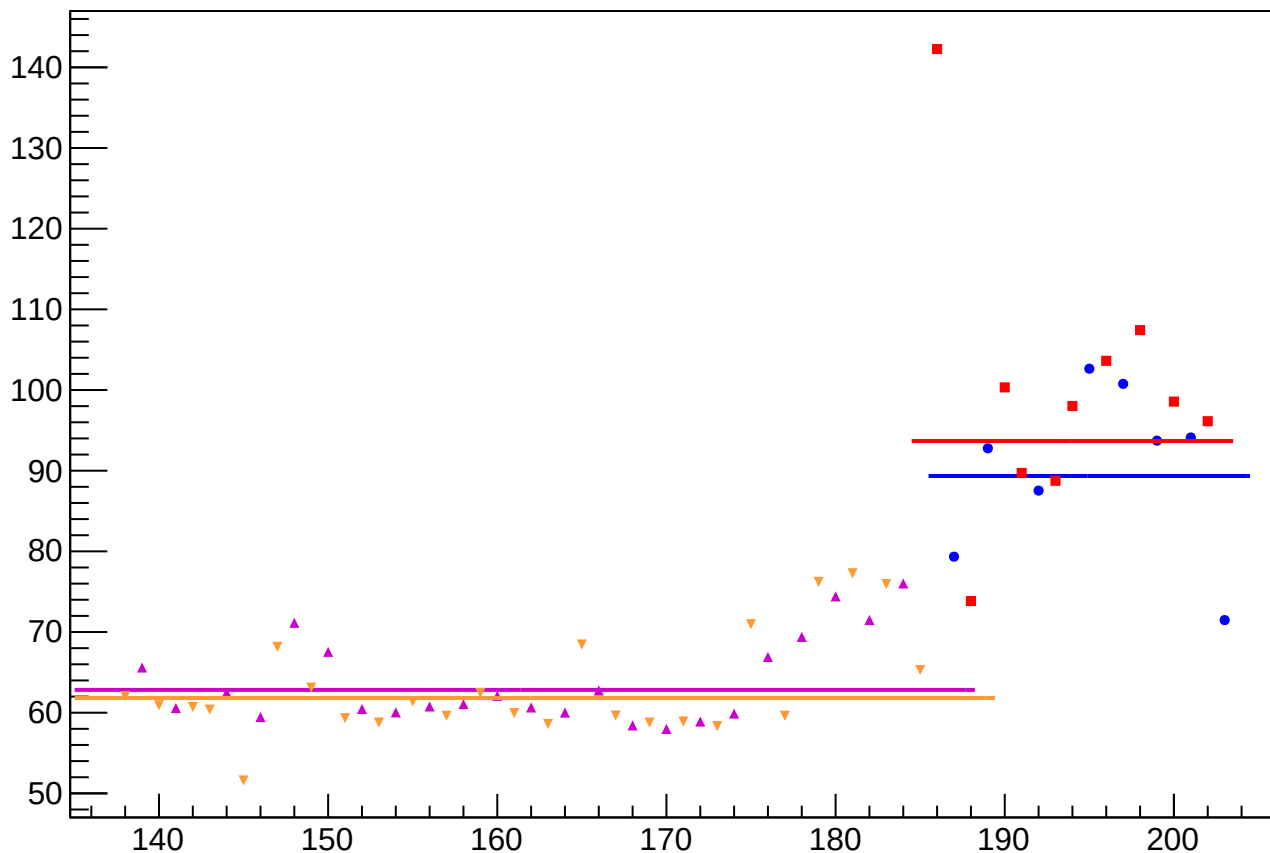
Right: -3.935 $\pm$ 27.191 χ^2 /NDF: 18.4/17

In: -80.753 $\pm$ 14.086 χ^2 /NDF:30.9/30

Out: -87.808 $\pm$ 13.516 χ^2 /NDF:52.0/34

All: -84.426 $\pm$ 9.753 χ^2 /NDF: 83.0/65

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 89.345 $\pm$ 0.028 χ^2 /NDF: 154909.0/7

Left Out: 61.827 $\pm$ 0.010 χ^2 /NDF: 313572.8/24

Right Out: 93.675 $\pm$ 0.026 χ^2 /NDF: 271180.8/9

Left In: 62.827 $\pm$ 0.011 χ^2 /NDF: 187007.2/22

Left: 62.310 $\pm$ 0.007 χ^2 /NDF: 505157.6/47

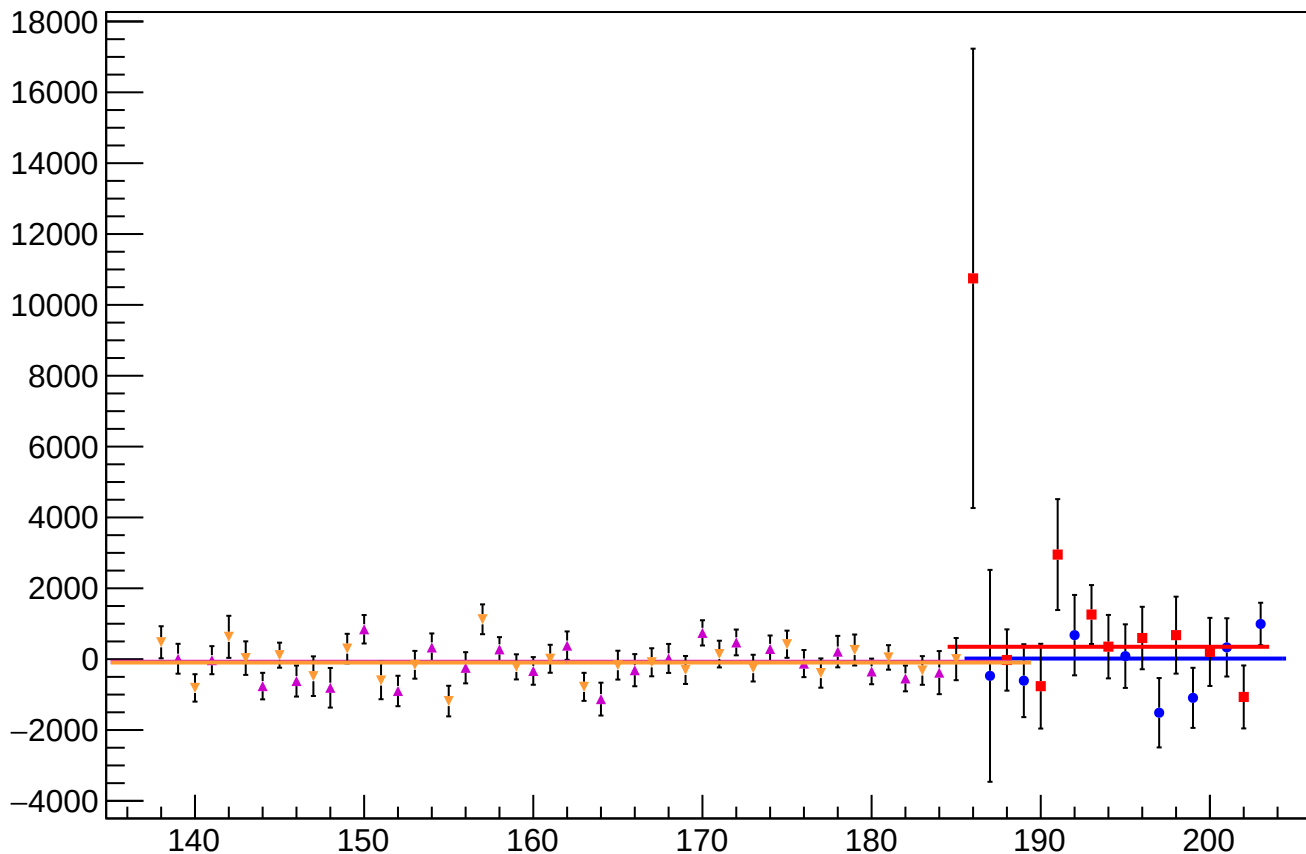
Right: 91.695 $\pm$ 0.019 χ^2 /NDF: 438677.2/17

In: 66.081 $\pm$ 0.010 χ^2 /NDF: 1104963.8/30

Out: 66.098 $\pm$ 0.010 χ^2 /NDF: 1874158.3/34

All: 66.090 $\pm$ 0.007 χ^2 /NDF: 2979123.6/65

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: 16.931+/-319.931 χ^2/NDF : 7.7/7

Left Out: -94.907+/-82.850 χ^2/NDF :31.6/24

Right Out: 349.370+/-322.013 χ^2/NDF : 10.3/9

Left In: -73.914+/-84.652 χ^2/NDF :36.4/22

Left: -84.636+/-59.211 χ^2/NDF : 68.0/47

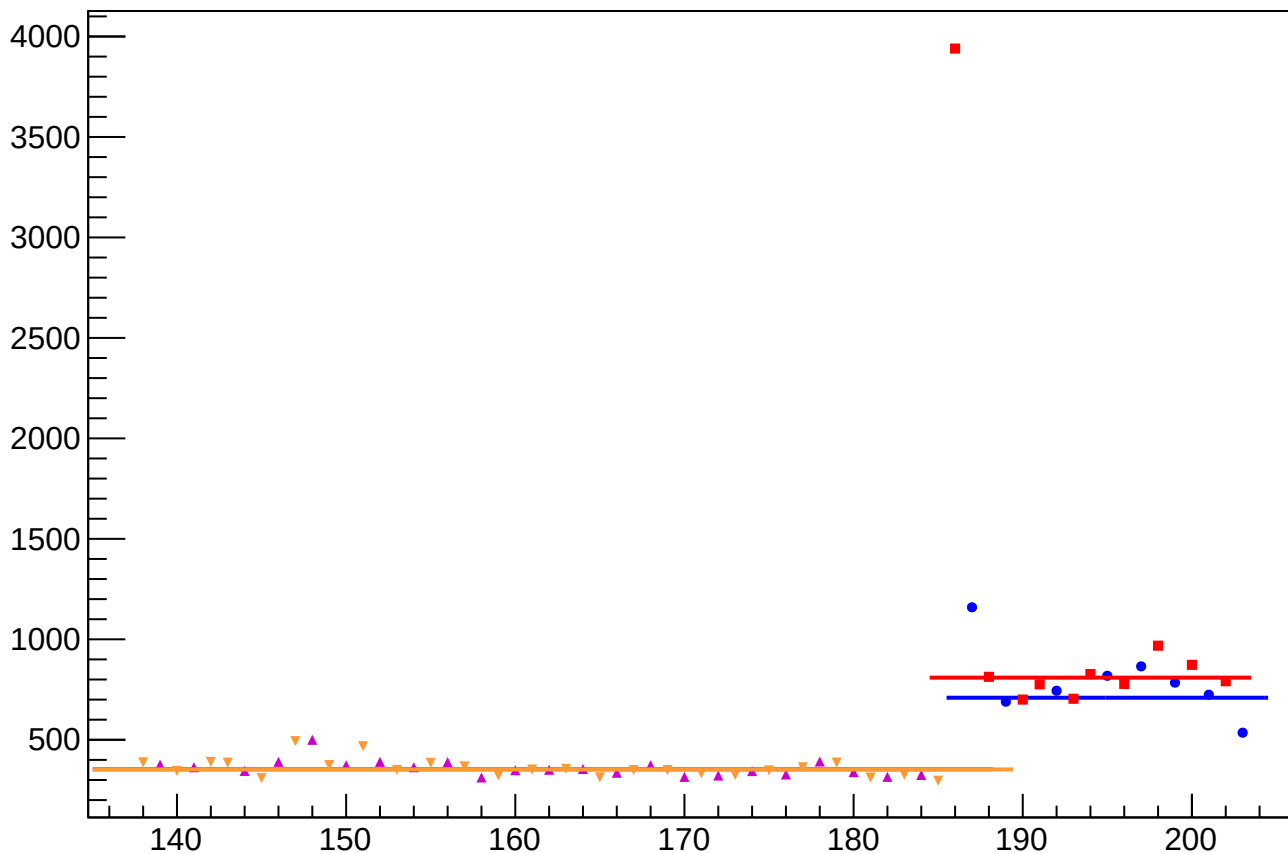
Right: 182.072+/-226.958 χ^2/NDF : 18.5/17

In: -67.970+/-81.836 χ^2/NDF :44.1/30

Out: -67.323+/-80.236 χ^2/NDF :43.7/34

All: -67.640+/-57.293 χ^2/NDF : 87.8/65

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 709.287 $\pm$ 0.226 χ^2 /NDF: 312887.3/7

Left Out: 352.403 $\pm$ 0.059 χ^2 /NDF: 418506.2/24

Right Out: 809.361 $\pm$ 0.228 χ^2 /NDF: 571633.5/9

Left In: 353.197 $\pm$ 0.060 χ^2 /NDF: 321761.0/22

Left: 352.791 $\pm$ 0.042 χ^2 /NDF: 740357.2/47

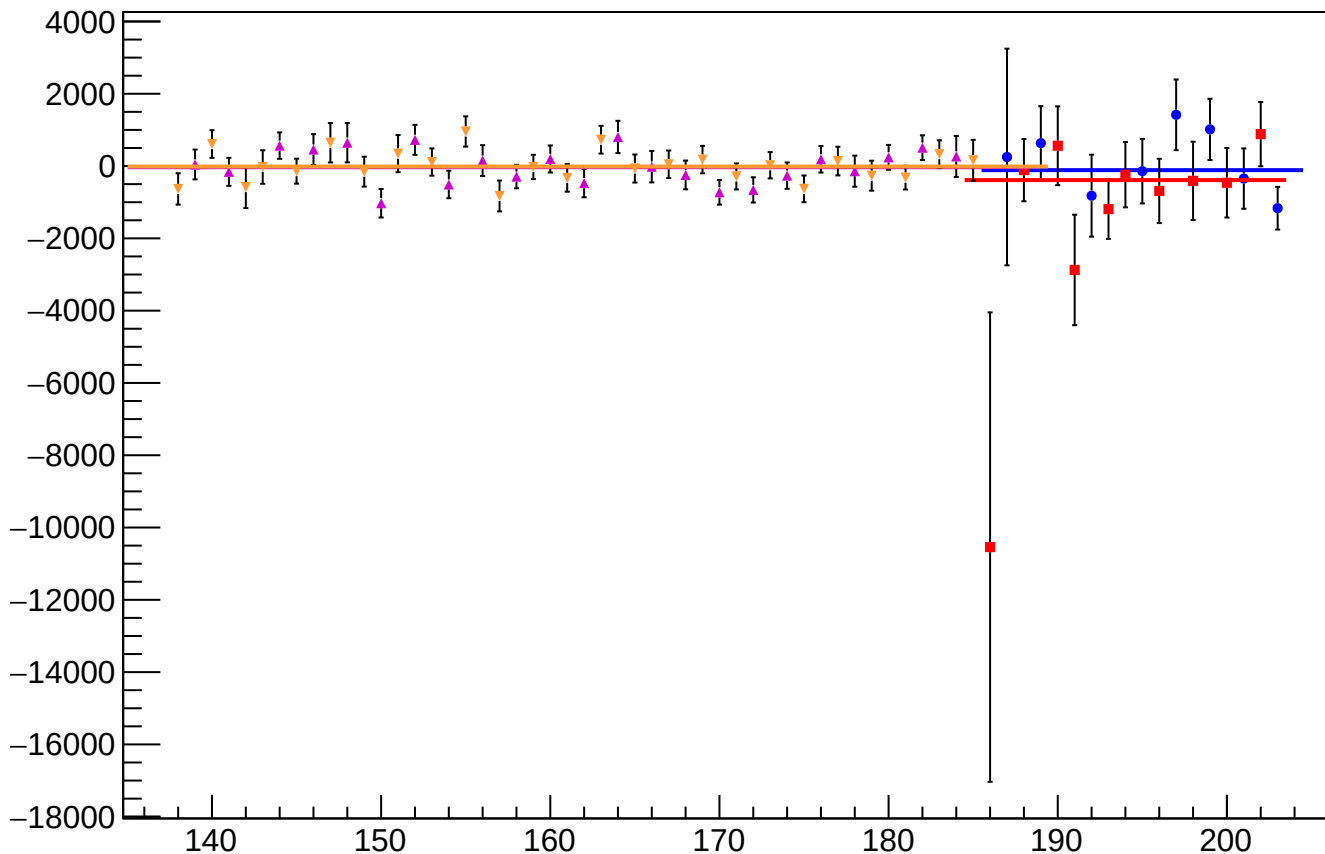
Right: 758.999 $\pm$ 0.160 χ^2 /NDF: 981729.8/17

In: 376.496 $\pm$ 0.058 χ^2 /NDF: 2950167.3/30

Out: 380.773 $\pm$ 0.057 χ^2 /NDF: 4767595.4/34

All: 378.677 $\pm$ 0.041 χ^2 /NDF: 7720548.8/65

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: -112.758 $\pm$ 318.742 χ^2 /NDF: 8.4/7

Left Out: -12.545 $\pm$ 79.984 χ^2 /NDF:27.3/24

Right Out: -387.859 $\pm$ 319.392 χ^2 /NDF: 9.1/9

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

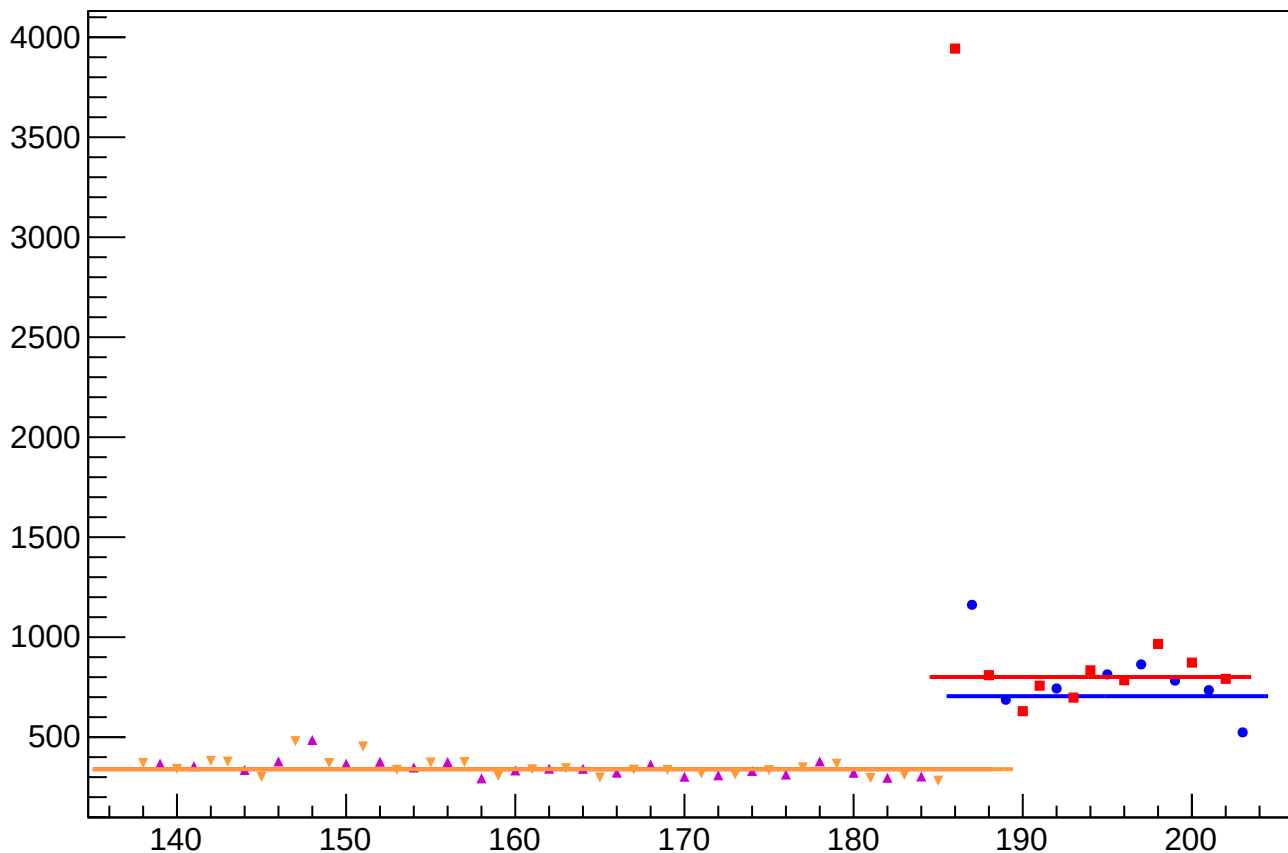
Right: -250.028 $\pm$ 225.614 χ^2 /NDF: 17.9/17

In: -36.513 $\pm$ 78.938 χ^2 /NDF:43.3/30

Out: -34.693 $\pm$ 77.588 χ^2 /NDF:37.7/34

All: -35.587 $\pm$ 55.334 χ^2 /NDF: 81.0/65

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 704.892 $\pm$ 0.225 χ^2 /NDF: 339306.8/7

Left Out: 340.018 $\pm$ 0.057 χ^2 /NDF: 465345.1/24

Right Out: 800.856 $\pm$ 0.226 χ^2 /NDF: 612091.5/9

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

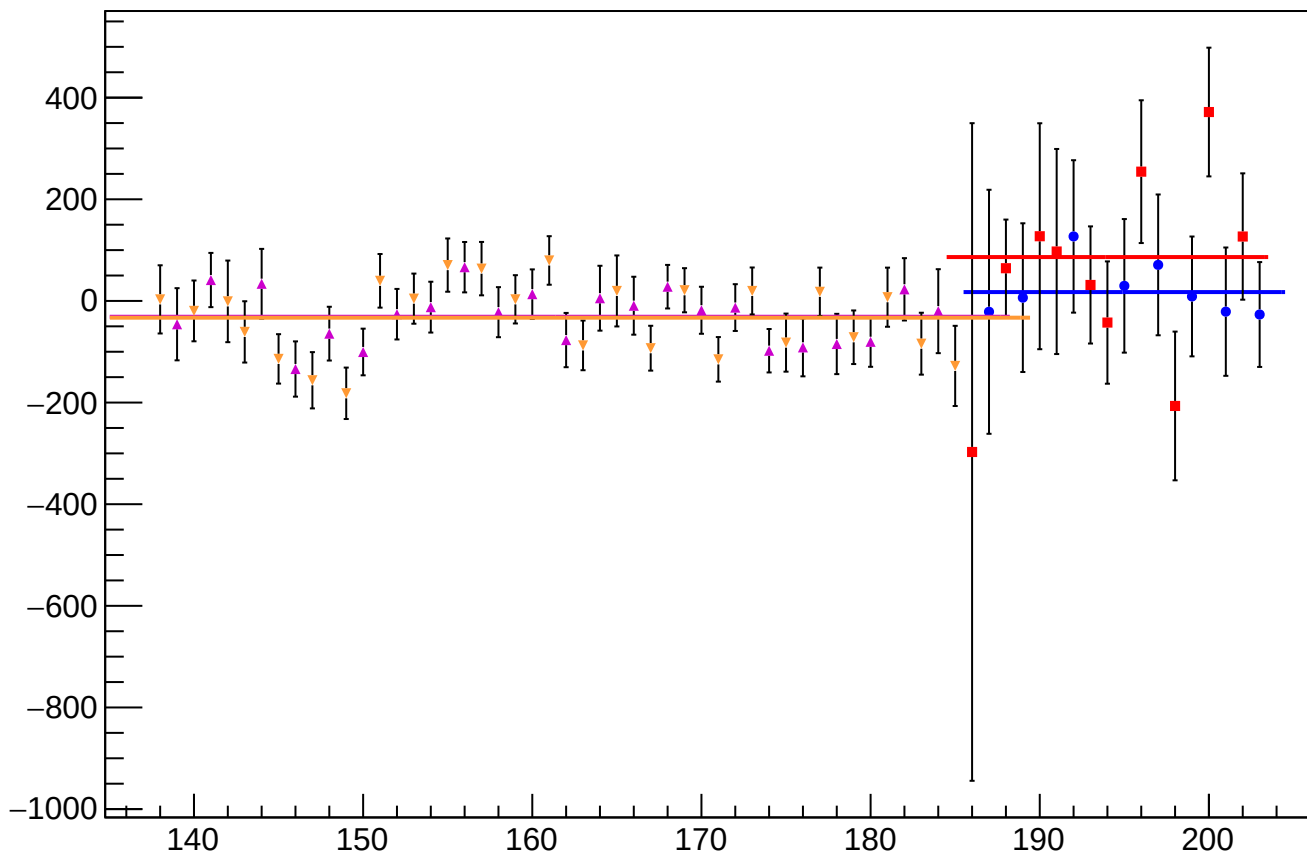
Right: 752.776 $\pm$ 0.160 χ^2 /NDF: 1041856.3/17

In: 361.977 $\pm$ 0.056 χ^2 /NDF: 3183244.4/30

Out: 367.213 $\pm$ 0.055 χ^2 /NDF: 4995408.3/34

All: 364.640 $\pm$ 0.039 χ^2 /NDF: 8183128.9/65

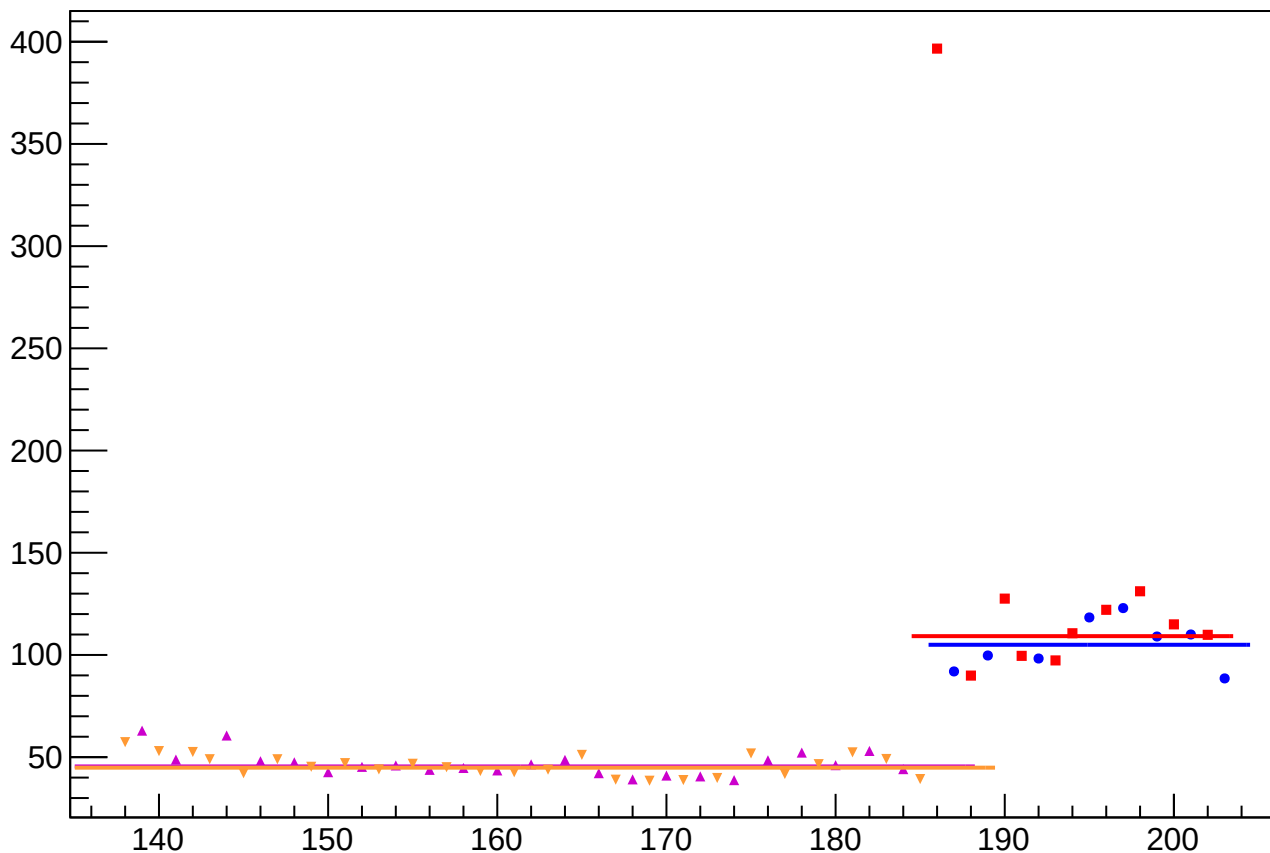
dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 17.417 ± 47.292 $\chi^2/\text{NDF}: 1.0/7$
 Left Out: -32.964 ± 10.578 $\chi^2/\text{NDF}: 48.0/24$
 Right Out: 86.320 ± 43.640 $\chi^2/\text{NDF}: 12.4/9$
 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: 54.631 ± 32.072 $\chi^2/\text{NDF}: 14.6/17$
 In: -28.670 ± 10.675 $\chi^2/\text{NDF}: 25.4/30$
 Out: -26.345 ± 10.280 $\chi^2/\text{NDF}: 67.5/34$
 All: -27.464 ± 7.405 $\chi^2/\text{NDF}: 93.0/65$

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 104.980 $\pm$ 0.033 χ^2 /NDF: 123161.9/7

Left Out: 44.862 $\pm$ 0.007 χ^2 /NDF: 415524.3/24

Right Out: 109.201 $\pm$ 0.031 χ^2 /NDF: 581689.0/9

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

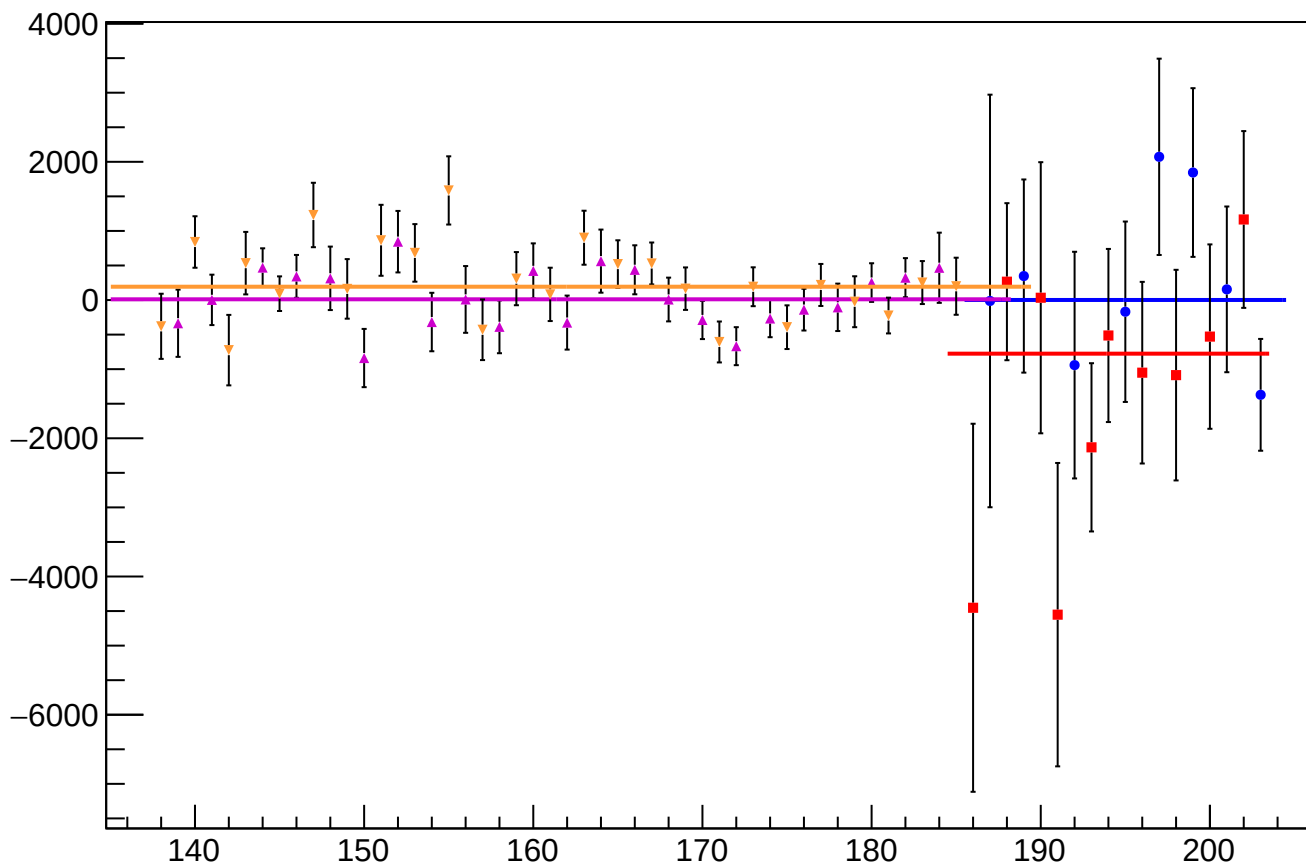
Right: 107.260 $\pm$ 0.023 χ^2 /NDF: 713458.5/17

In: 48.497 $\pm$ 0.008 χ^2 /NDF: 3586191.5/30

Out: 48.432 $\pm$ 0.007 χ^2 /NDF: 5103147.5/34

All: 48.464 $\pm$ 0.005 χ^2 /NDF: 8689377.8/65

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 1.058 ± 448.362 $\chi^2/\text{NDF}: 7.7/7$

Left Out: 192.946 ± 70.968 $\chi^2/\text{NDF}: 45.8/24$

Right Out: -775.780 ± 452.718 $\chi^2/\text{NDF}: 9.6/9$

Left In: 10.801 ± 72.300 $\chi^2/\text{NDF}: 30.2/22$

Left: 103.567 ± 50.646 $\chi^2/\text{NDF}: 79.3/47$

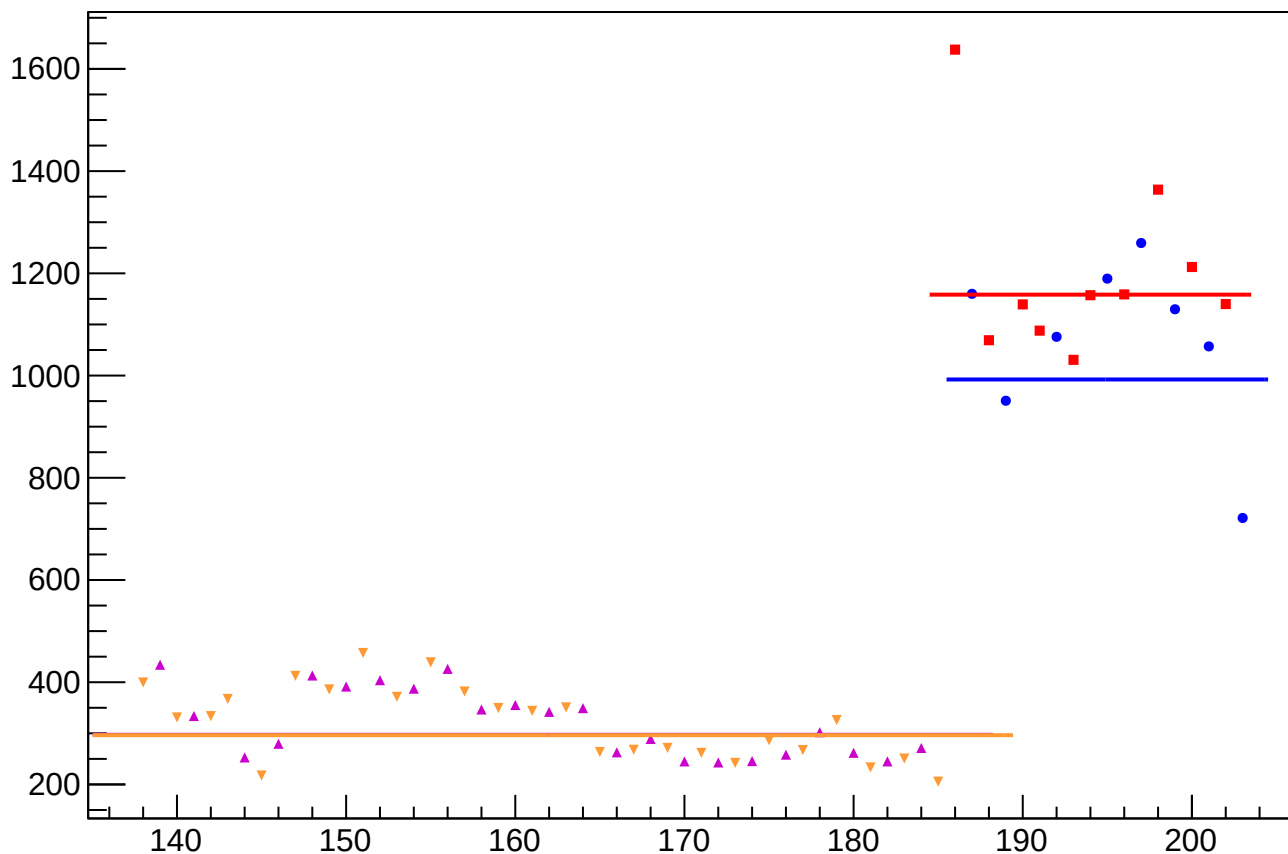
Right: -383.606 ± 318.569 $\chi^2/\text{NDF}: 18.8/17$

In: 10.554 ± 71.378 $\chi^2/\text{NDF}: 37.9/30$

Out: 169.712 ± 70.112 $\chi^2/\text{NDF}: 59.9/34$

All: 91.557 ± 50.018 $\chi^2/\text{NDF}: 100.4/65$

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 992.338+/-0.317 χ^2/NDF : 385234.2/7

Left Out: 296.383+/-0.050 χ^2/NDF : 1635498.4/24

Right Out: 1158.336+/-0.320 χ^2/NDF : 141436.6/9

Left In: 297.137+/-0.051 χ^2/NDF : 1320750.3/22

Left: 296.753+/-0.036 χ^2/NDF : 2956359.4/47

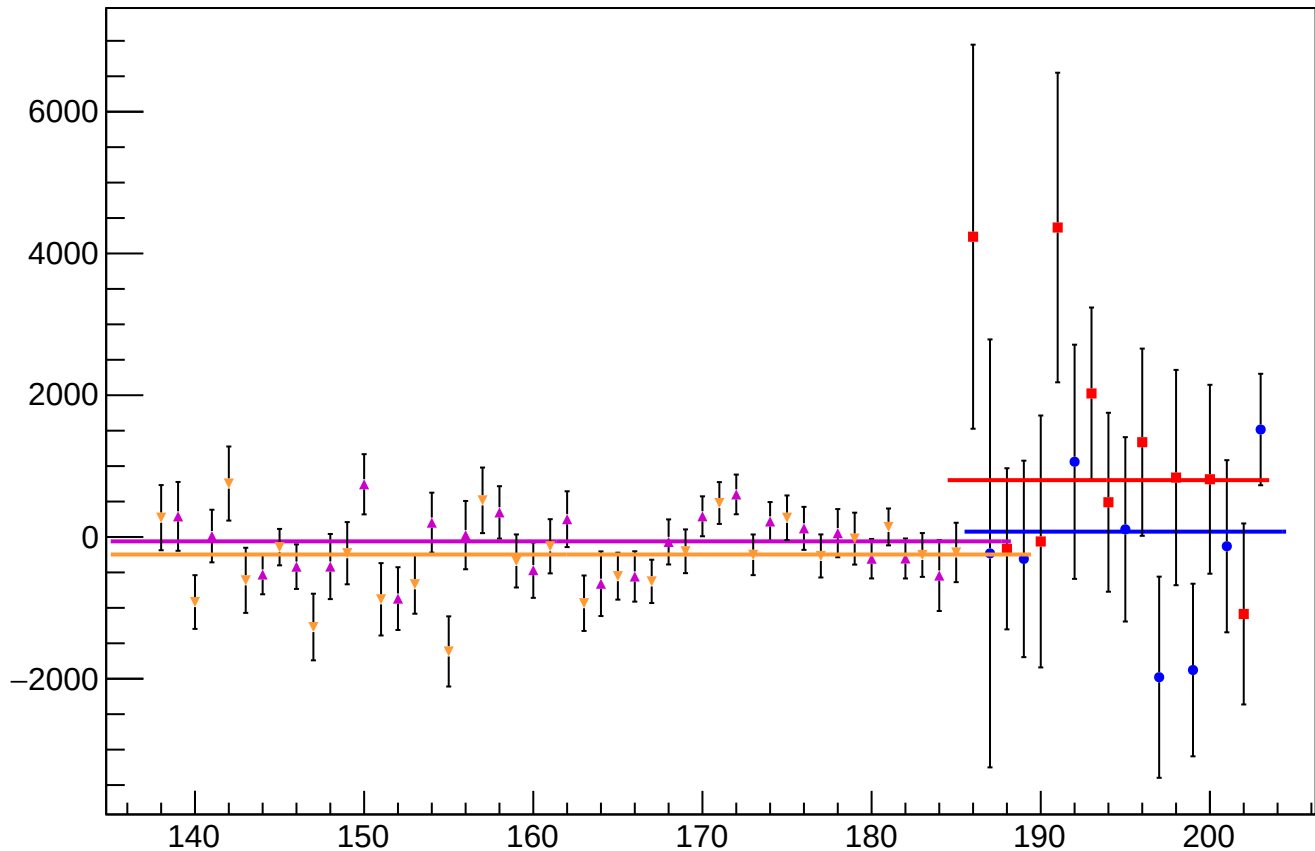
Right: 1074.535+/-0.225 χ^2/NDF : 662416.5/17

In: 314.756+/-0.050 χ^2/NDF : 6392436.1/30

Out: 317.057+/-0.050 χ^2/NDF : 8853089.7/34

All: 315.927+/-0.035 χ^2/NDF : 15246583.2/65

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 75.359 $\pm$ 444.793 χ^2 /NDF: 8.5/7

Left Out: -247.108 $\pm$ 71.218 χ^2 /NDF:43.6/24

Right Out: 801.824 $\pm$ 450.494 χ^2 /NDF: 8.7/9

Left In: -61.707 $\pm$ 72.478 χ^2 /NDF:30.3/22

Left: -156.032 $\pm$ 50.798 χ^2 /NDF: 77.2/47

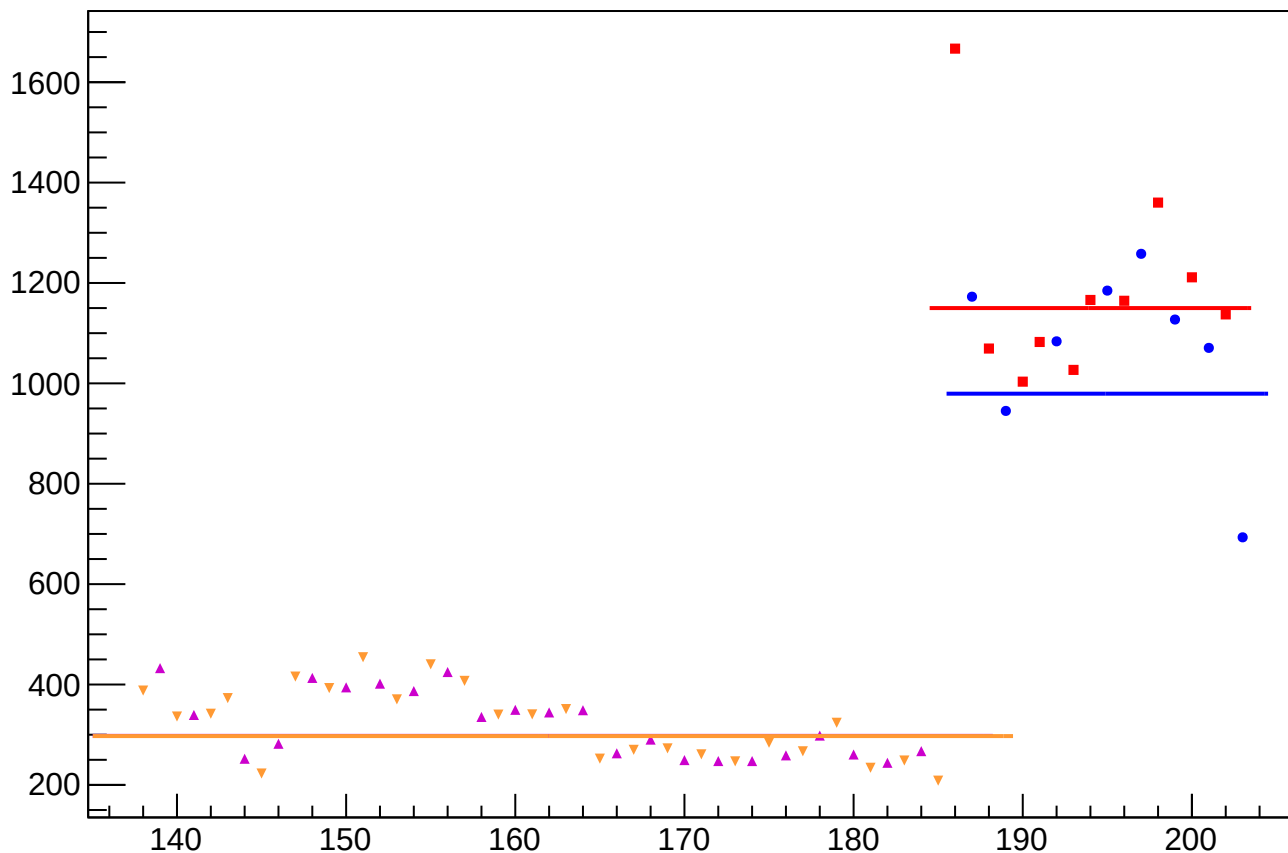
Right: 433.965 $\pm$ 316.513 χ^2 /NDF: 18.5/17

In: -58.162 $\pm$ 71.534 χ^2 /NDF:38.9/30

Out: -221.532 $\pm$ 70.344 χ^2 /NDF:57.5/34

All: -141.217 $\pm$ 50.156 χ^2 /NDF: 99.1/65

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 979.440+/-0.315 χ^2/NDF : 450040.2/7

Left Out: 297.273+/-0.050 χ^2/NDF :1627904.5/24

Right Out: 1150.000+/-0.319 χ^2/NDF : 162290.4/9

Left In: 297.696+/-0.051 χ^2/NDF :1274607.7/22

Left: 297.481+/-0.036 χ^2/NDF : 2902547.0/47

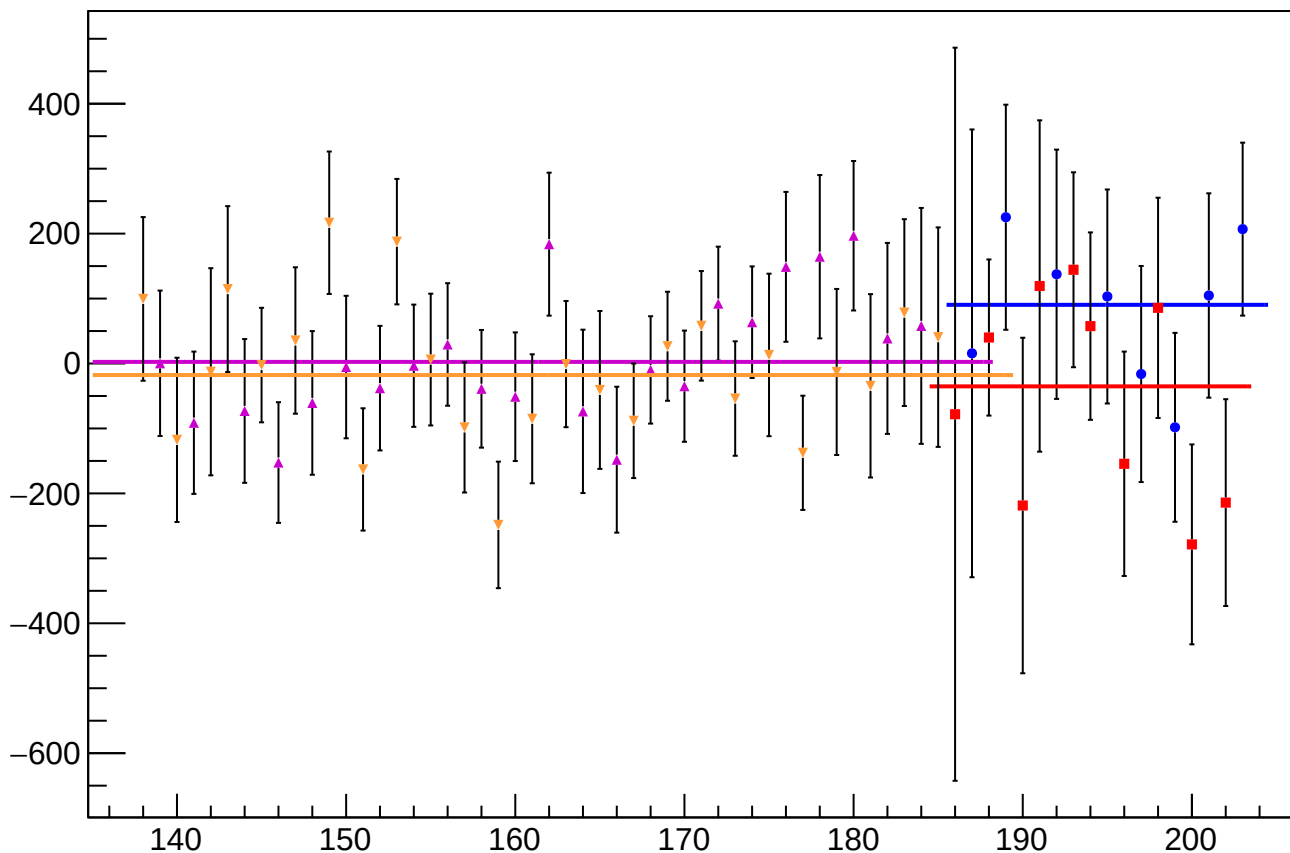
Right: 1063.634+/-0.224 χ^2/NDF : 757498.9/17

In: 315.329+/-0.051 χ^2/NDF :6301590.2/30

Out: 318.065+/-0.050 χ^2/NDF :8781380.2/34

All: 316.720+/-0.035 χ^2/NDF : 15084456.8/65

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 90.369+/-59.143 χ^2/NDF : 3.6/7

Left Out: -17.764+/-21.121 χ^2/NDF : 25.5/24

Right Out: -35.188+/-53.833 χ^2/NDF : 7.9/9

Left In: 2.505+/-21.582 χ^2/NDF : 18.0/22

Left: -7.848+/-15.095 χ^2/NDF : 44.0/47

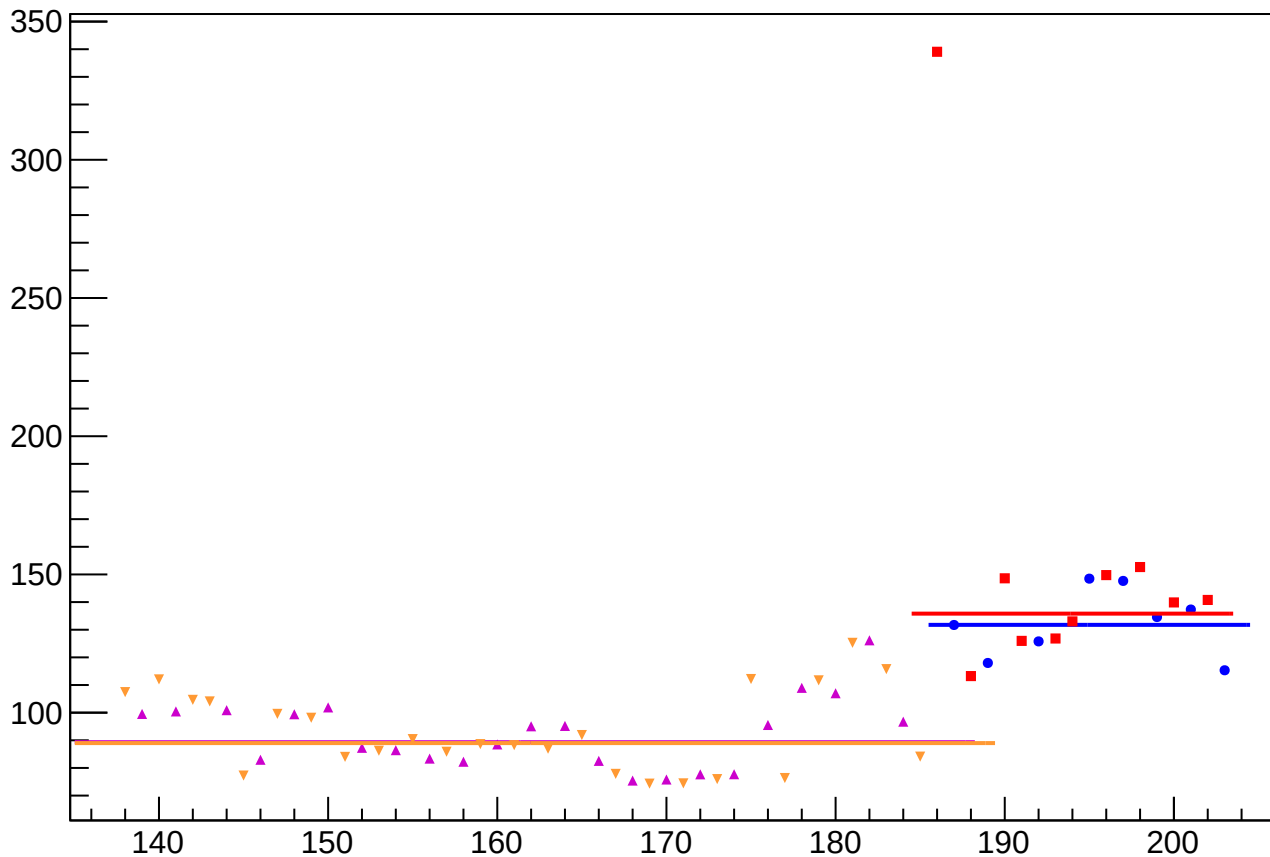
Right: 21.702+/-39.811 χ^2/NDF : 13.9/17

In: 12.831+/-20.274 χ^2/NDF : 23.5/30

Out: -20.088+/-19.662 χ^2/NDF : 33.5/34

All: -4.134+/-14.115 χ^2/NDF : 58.4/65

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 131.762 $\pm$ 0.042 χ^2 /NDF: 87115.5/7

Left Out: 88.991 $\pm$ 0.015 χ^2 /NDF: 807471.2/24

Right Out: 135.822 $\pm$ 0.038 χ^2 /NDF: 381902.2/9

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

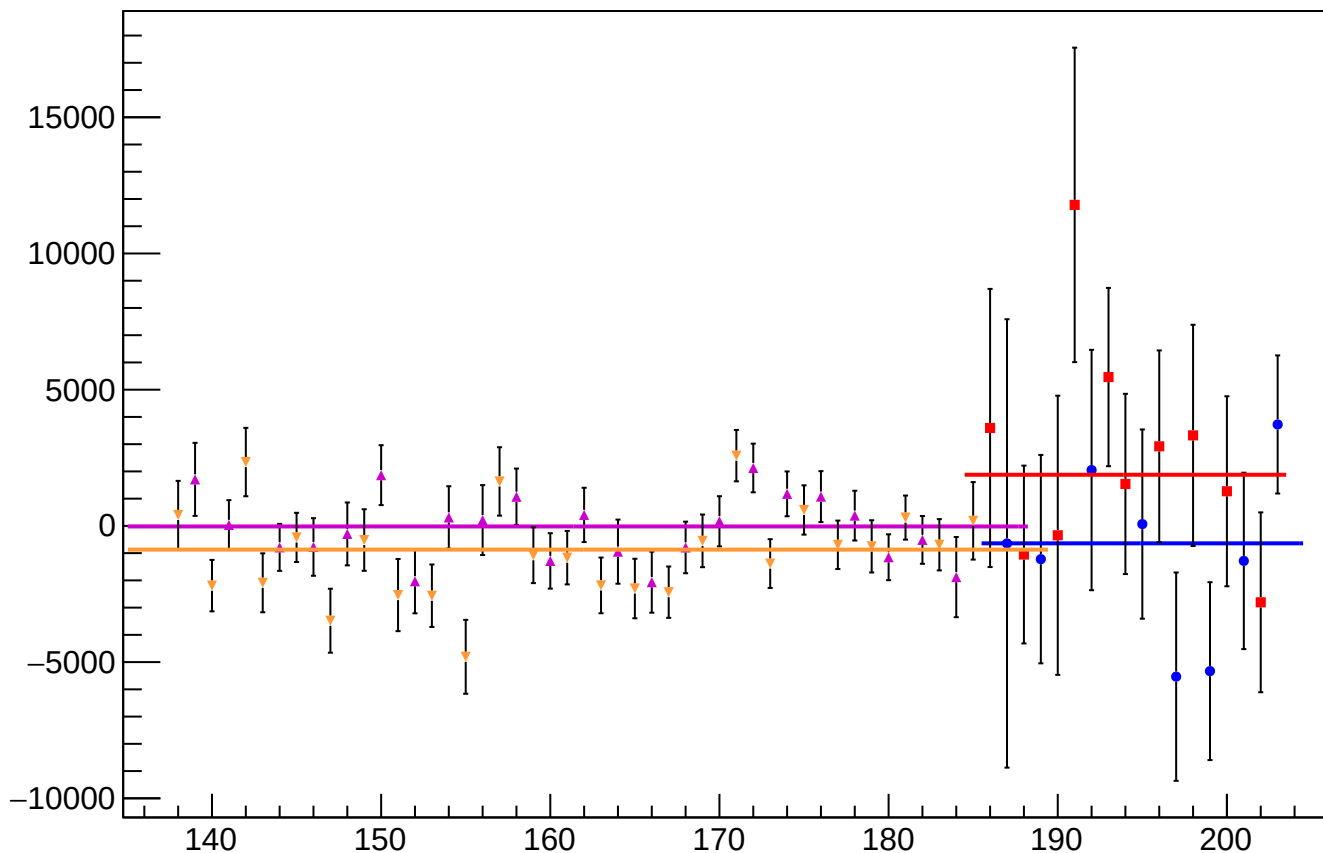
Right: 133.983 $\pm$ 0.028 χ^2 /NDF: 474172.9/17

In: 94.309 $\pm$ 0.014 χ^2 /NDF: 1556408.6/30

Out: 95.238 $\pm$ 0.014 χ^2 /NDF: 2501067.5/34

All: 94.788 $\pm$ 0.010 χ^2 /NDF: 4059640.9/65

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -640.368 ± 1259.283 $\chi^2/\text{NDF}: 7.1/7$

Left Out: -871.061 ± 205.986 $\chi^2/\text{NDF}: 57.6/24$

Right Out: 1877.413 ± 1194.936 $\chi^2/\text{NDF}: 7.5/9$

Left In: -20.573 ± 210.177 $\chi^2/\text{NDF}: 29.7/22$

Left: -454.381 ± 147.113 $\chi^2/\text{NDF}: 95.6/47$

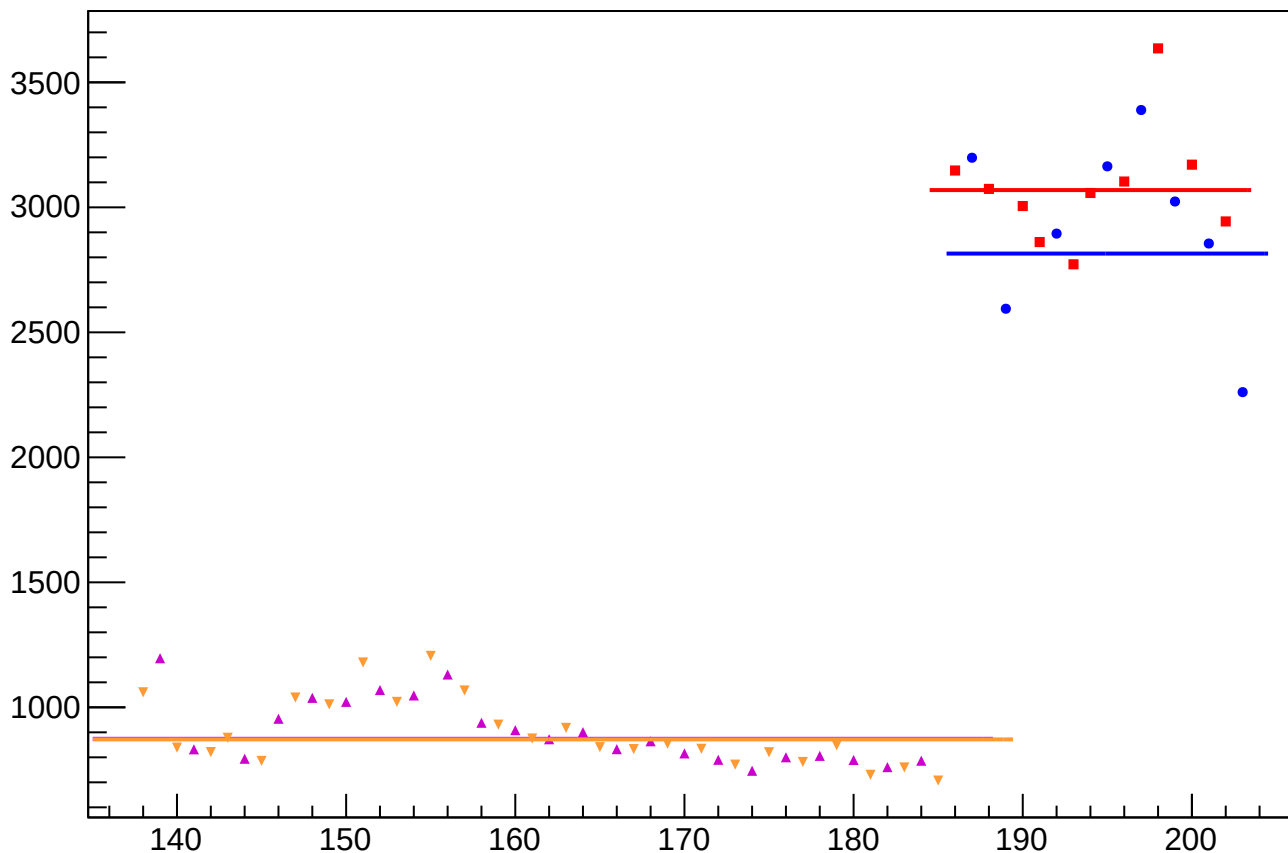
Right: 684.490 ± 866.803 $\chi^2/\text{NDF}: 16.8/17$

In: -37.371 ± 207.309 $\chi^2/\text{NDF}: 37.0/30$

Out: -791.745 ± 202.992 $\chi^2/\text{NDF}: 70.3/34$

All: -422.495 ± 145.039 $\chi^2/\text{NDF}: 114.1/65$

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 2815.076 $\pm$ 0.890 χ^2 /NDF: 181020.8/7

Left Out: 871.690 $\pm$ 0.146 χ^2 /NDF: 642403.4/24

Right Out: 3069.064 $\pm$ 0.845 χ^2 /NDF: 63600.8/9

Left In: 874.055 $\pm$ 0.149 χ^2 /NDF: 578510.6/22

Left: 872.849 $\pm$ 0.104 χ^2 /NDF: 1221043.2/47

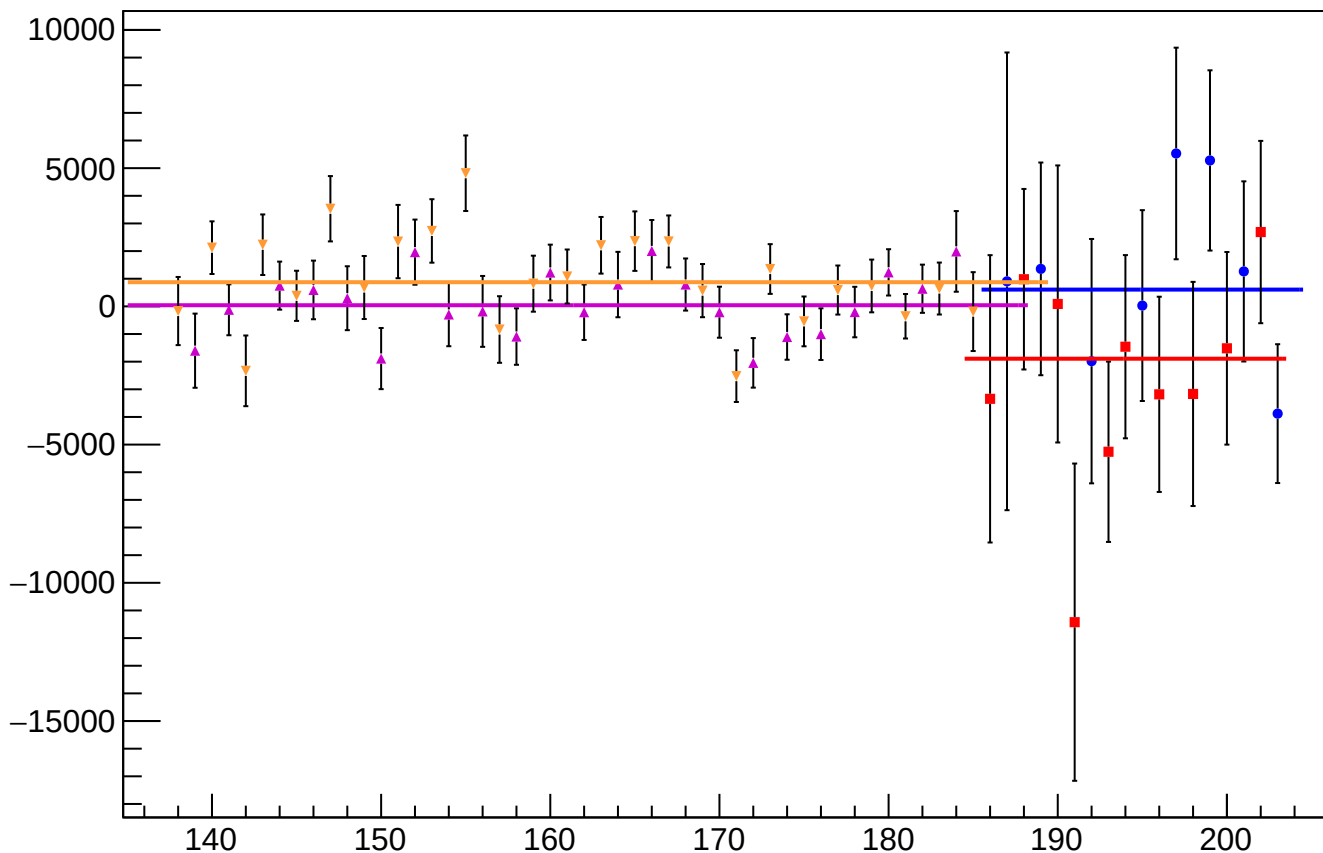
Right: 2948.725 $\pm$ 0.613 χ^2 /NDF: 287433.1/17

In: 926.660 $\pm$ 0.147 χ^2 /NDF: 5382397.7/30

Out: 935.102 $\pm$ 0.144 χ^2 /NDF: 7273973.2/34

All: 930.970 $\pm$ 0.103 χ^2 /NDF: 12658064.4/65

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 607.197 ± 1257.469 $\chi^2/\text{NDF}: 7.4/7$

Left Out: 875.084 ± 205.572 $\chi^2/\text{NDF}: 55.1/24$

Right Out: -1893.001 ± 1194.039 $\chi^2/\text{NDF}: 7.0/9$

Left In: 41.523 ± 210.209 $\chi^2/\text{NDF}: 28.1/22$

Left: 467.597 ± 146.973 $\chi^2/\text{NDF}: 91.2/47$

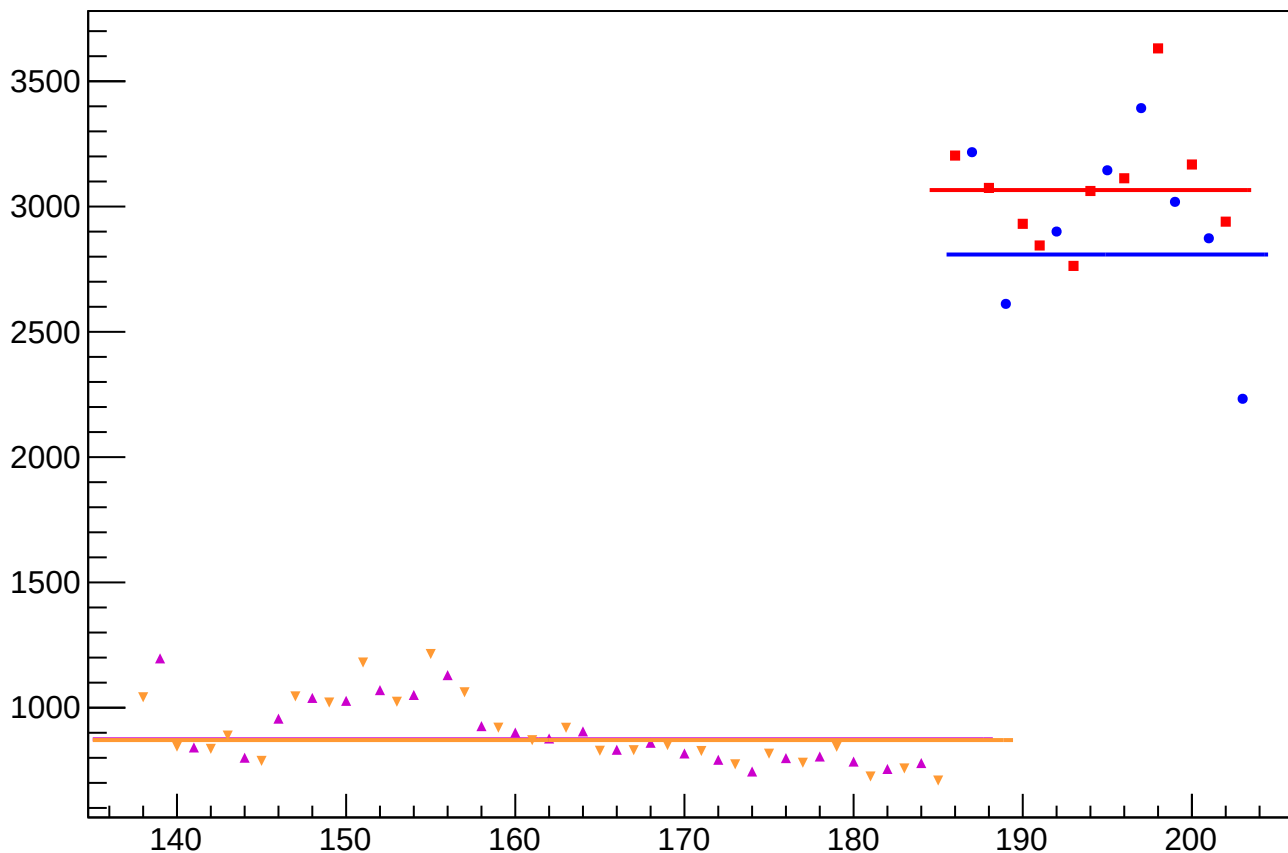
Right: -707.549 ± 865.869 $\chi^2/\text{NDF}: 16.5/17$

In: 56.901 ± 207.332 $\chi^2/\text{NDF}: 35.7/30$

Out: 795.397 ± 202.592 $\chi^2/\text{NDF}: 67.3/34$

All: 434.687 ± 144.901 $\chi^2/\text{NDF}: 109.5/65$

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 2808.602 $\pm$ 0.889 χ^2 /NDF: 190780.3/7

Left Out: 870.853 $\pm$ 0.145 χ^2 /NDF: 651805.6/24

Right Out: 3065.824 $\pm$ 0.844 χ^2 /NDF: 66941.9/9

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

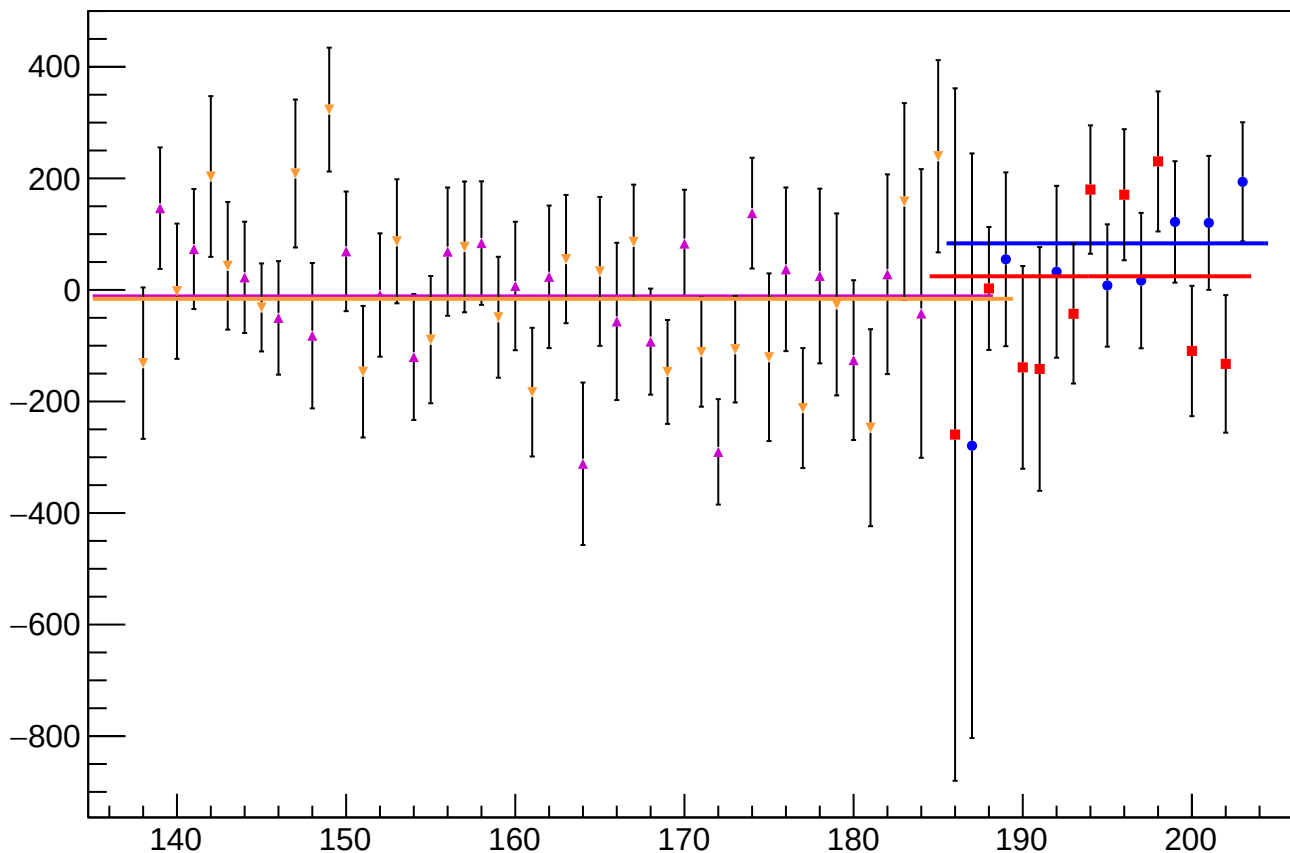
Right: 2943.864 $\pm$ 0.612 χ^2 /NDF: 301728.9/17

In: 926.498 $\pm$ 0.147 χ^2 /NDF: 5379792.8/30

Out: 934.041 $\pm$ 0.143 χ^2 /NDF: 7282692.2/34

All: 930.357 $\pm$ 0.102 χ^2 /NDF: 12663839.3/65

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



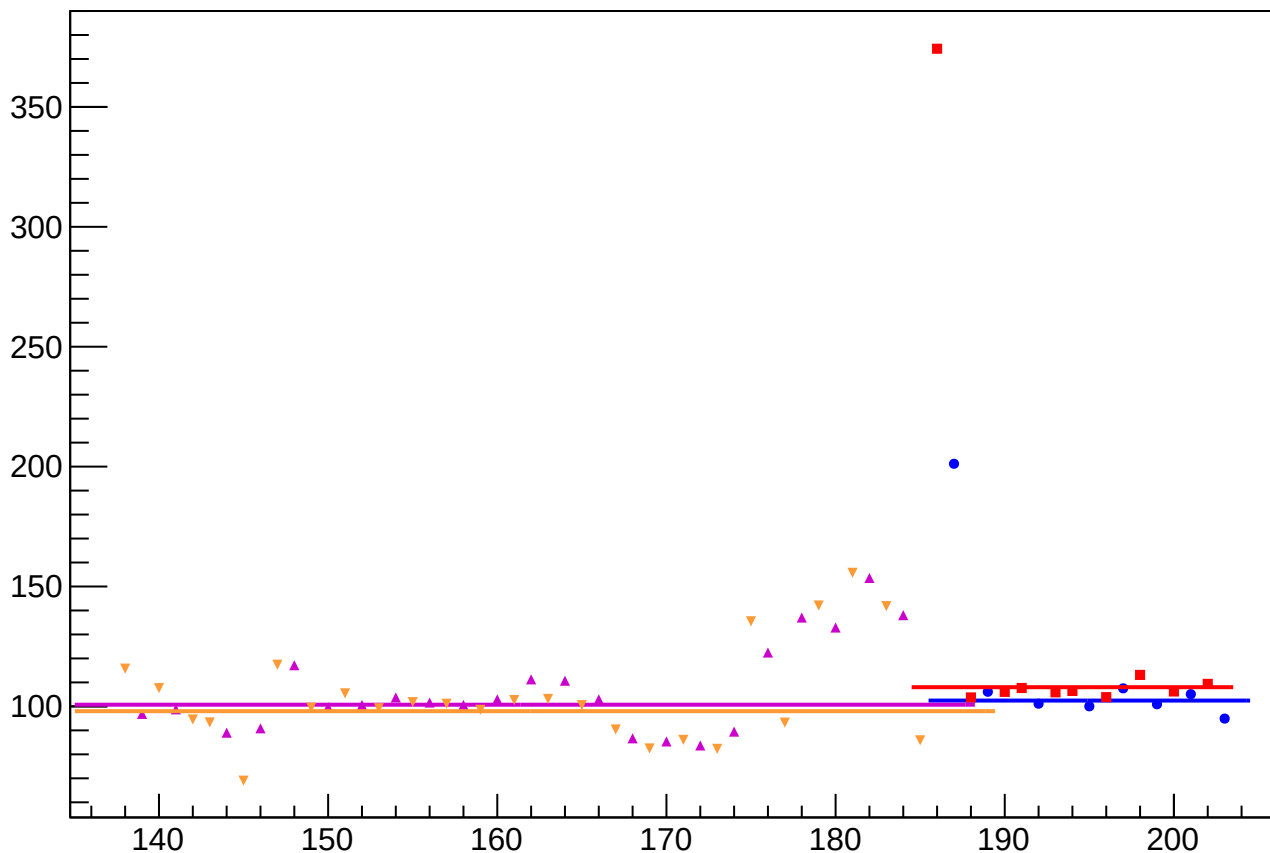
Right In: 83.505 ± 45.679 $\chi^2/\text{NDF}: 2.7/7$
 Left Out: -15.956 ± 23.377 $\chi^2/\text{NDF}: 34.9/24$
 Right Out: 24.435 ± 42.619 $\chi^2/\text{NDF}: 10.9/9$
 Left In: -11.570 ± 24.412 $\chi^2/\text{NDF}: 24.0/22$

Left: -13.858 ± 16.884 $\chi^2/\text{NDF}: 58.9/47$
 Right: 51.925 ± 31.162 $\chi^2/\text{NDF}: 14.5/17$

In: 9.552 ± 21.530 $\chi^2/\text{NDF}: 30.0/30$
 Out: -6.614 ± 20.496 $\chi^2/\text{NDF}: 46.5/34$

All: 1.071 ± 14.845 $\chi^2/\text{NDF}: 76.8/65$

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 102.429 $\pm$ 0.032 χ^2 /NDF: 88033.0/7

Left Out: 98.001 $\pm$ 0.017 χ^2 /NDF: 1155021.9/24

Right Out: 108.010 $\pm$ 0.030 χ^2 /NDF: 378651.9/9

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

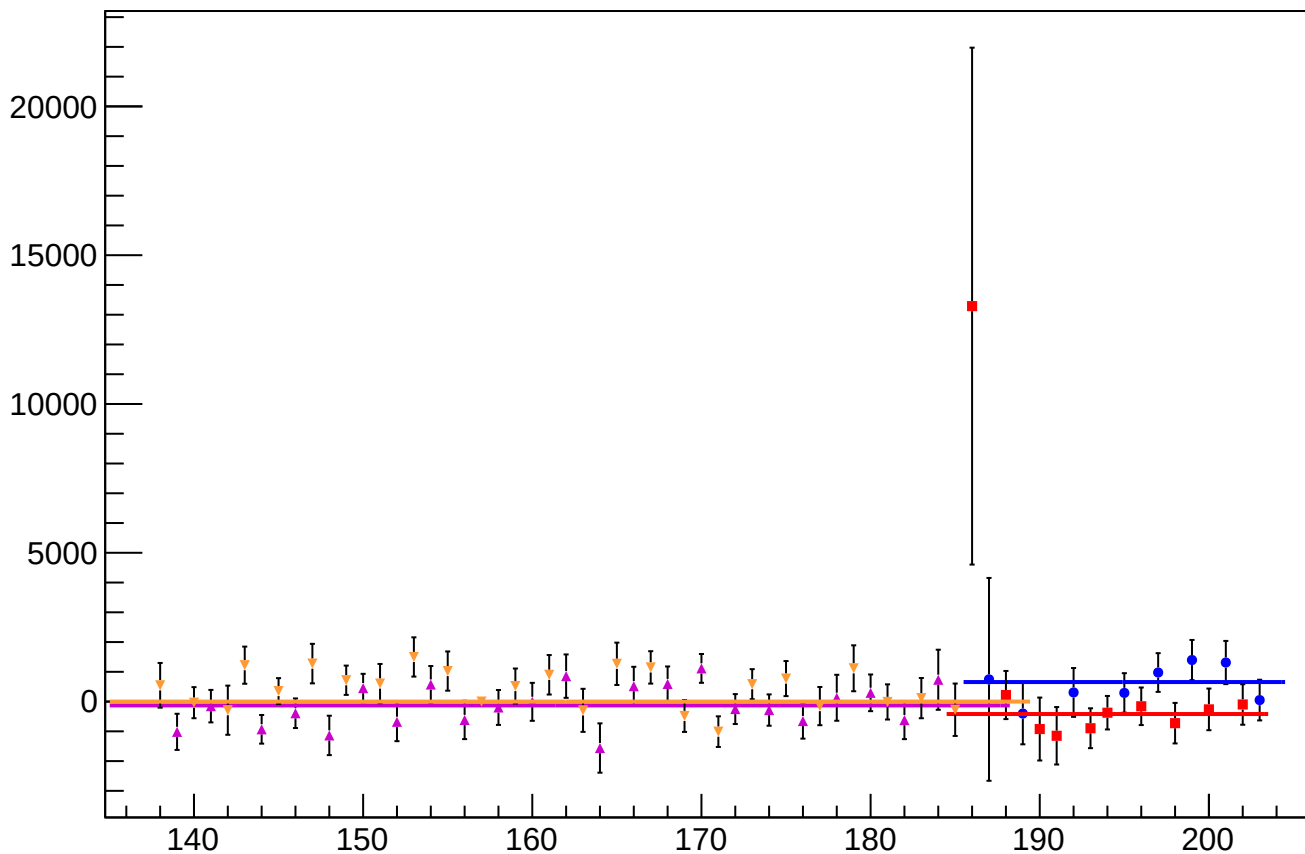
Right: 105.412 $\pm$ 0.022 χ^2 /NDF: 482645.3/17

In: 101.087 $\pm$ 0.015 χ^2 /NDF: 850174.9/30

Out: 100.316 $\pm$ 0.014 χ^2 /NDF: 1618459.1/34

All: 100.683 $\pm$ 0.010 χ^2 /NDF: 2469978.8/65

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 656.360 $\pm$ 273.328 χ^2 /NDF: 4.6/7

Left Out: -0.000 $\pm$ -0.000 χ^2 /NDF:39.9/24

Right Out: -418.248 $\pm$ -237.310 χ^2 /NDF: 5.1/9

Left In: -129.094 $\pm$ -124.247 χ^2 /NDF:28.3/22

Left: -0.000 $\pm$ -0.000 χ^2 /NDF: 69.3/47

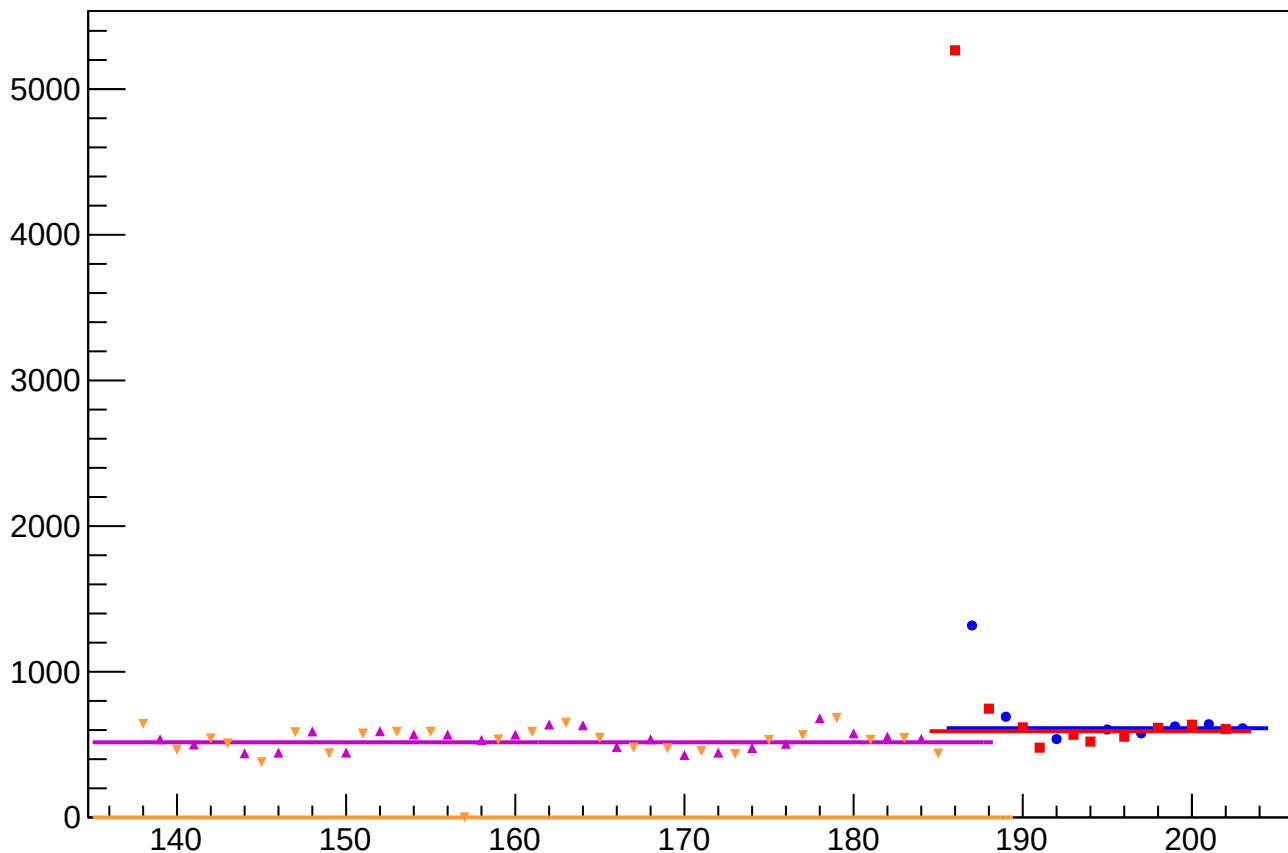
Right: 43.633 $\pm$ -179.194 χ^2 /NDF: 18.5/17

In: 5.413 $\pm$ -113.109 χ^2 /NDF:39.8/30

Out: -0.000 $\pm$ -0.000 χ^2 /NDF:48.0/34

All: -0.000 $\pm$ -0.000 χ^2 /NDF: 87.8/65

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 612.592+/-0.193 χ^2/NDF : 123534.3/7

Left Out: 0.000+/-0.000 χ^2/NDF : 34974091.9/24

Right Out: 592.054+/-0.168 χ^2/NDF : 734162.9/9

Left In: 516.120+/-0.088 χ^2/NDF : 571744.7/22

Left: 0.000+/-0.000 χ^2/NDF : 70057167.0/47

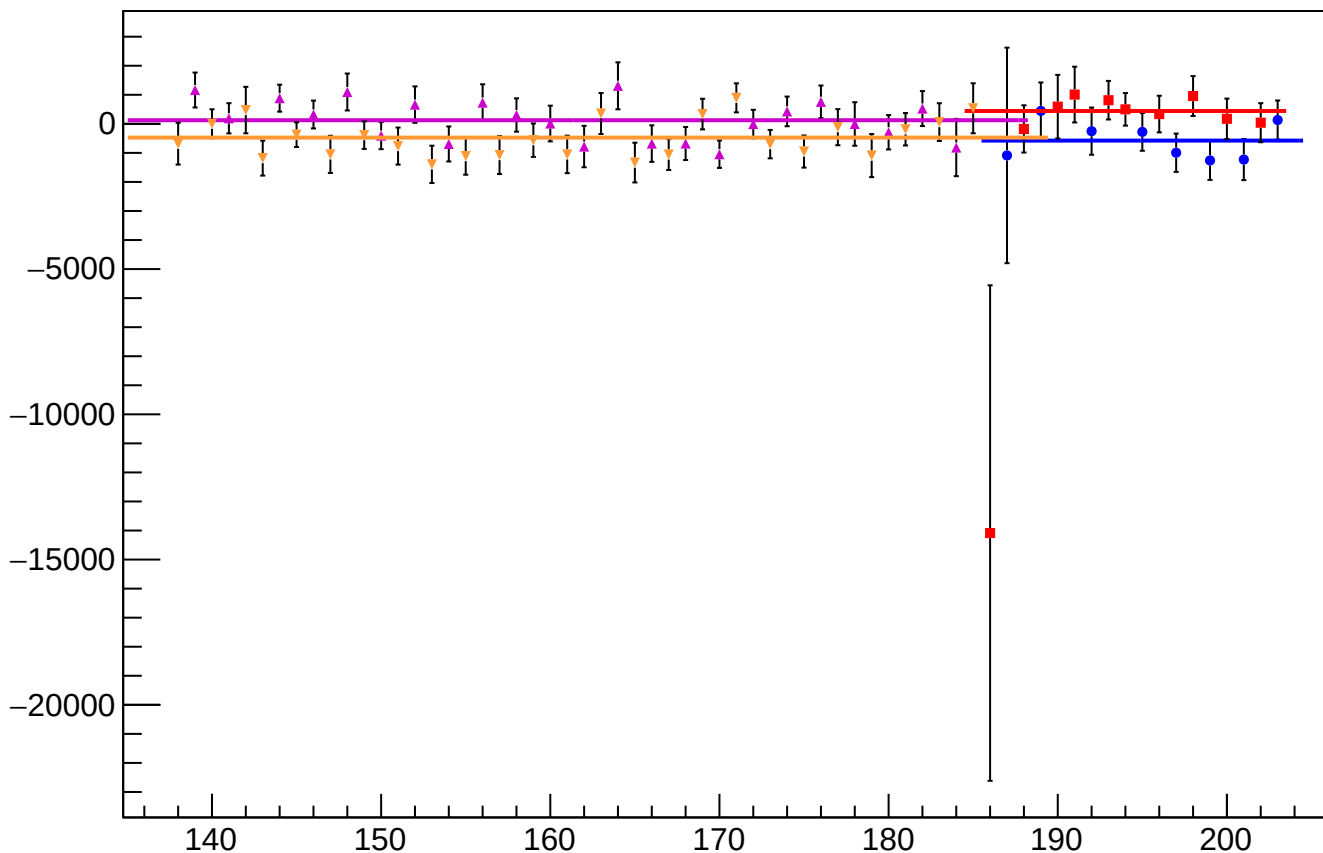
Right: 600.881+/-0.127 χ^2/NDF : 864135.9/17

In: 532.641+/-0.080 χ^2/NDF : 901763.3/30

Out: 0.000+/-0.000 χ^2/NDF : 48156858.1/34

All: 0.000+/-0.000 χ^2/NDF : 93409702.7/65

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -576.874 ± 269.871 χ^2/NDF : 4.9/7

Left Out: -473.870 ± 117.977 χ^2/NDF : 27.9/24

Right Out: 442.310 ± 236.921 χ^2/NDF : 5.3/9

Left In: 124.022 ± 120.216 χ^2/NDF : 30.2/22

Left: -180.543 ± 84.203 χ^2/NDF : 70.7/47

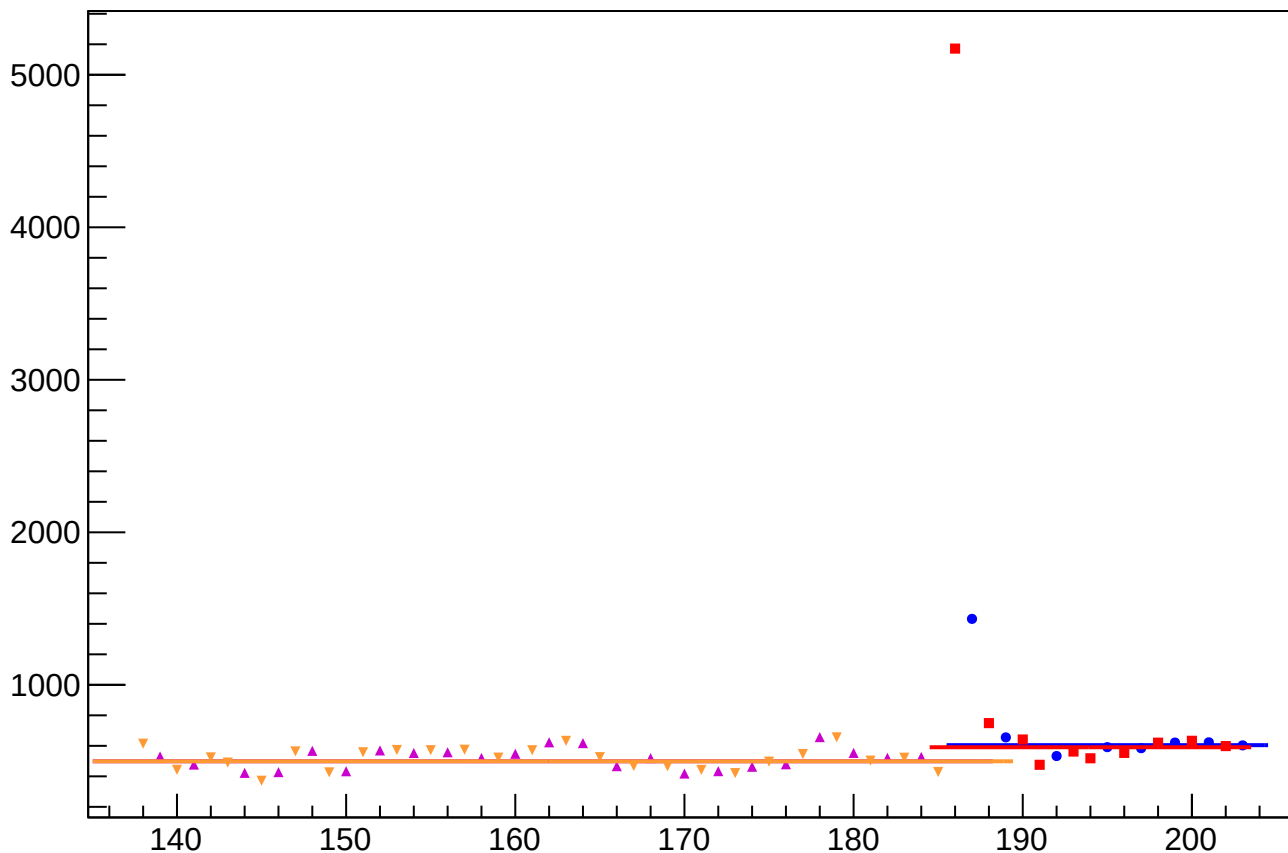
Right: -1.297 ± 178.045 χ^2/NDF : 18.2/17

In: 7.970 ± 109.813 χ^2/NDF : 40.7/30

Out: -291.831 ± 105.608 χ^2/NDF : 45.2/34

All: -147.780 ± 76.119 χ^2/NDF : 89.7/65

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 604.474 $\pm$ 0.191 χ^2 /NDF: 125785.4/7

Left Out: 498.662 $\pm$ 0.083 χ^2 /NDF: 734652.4/24

Right Out: 590.788 $\pm$ 0.168 χ^2 /NDF: 741162.7/9

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

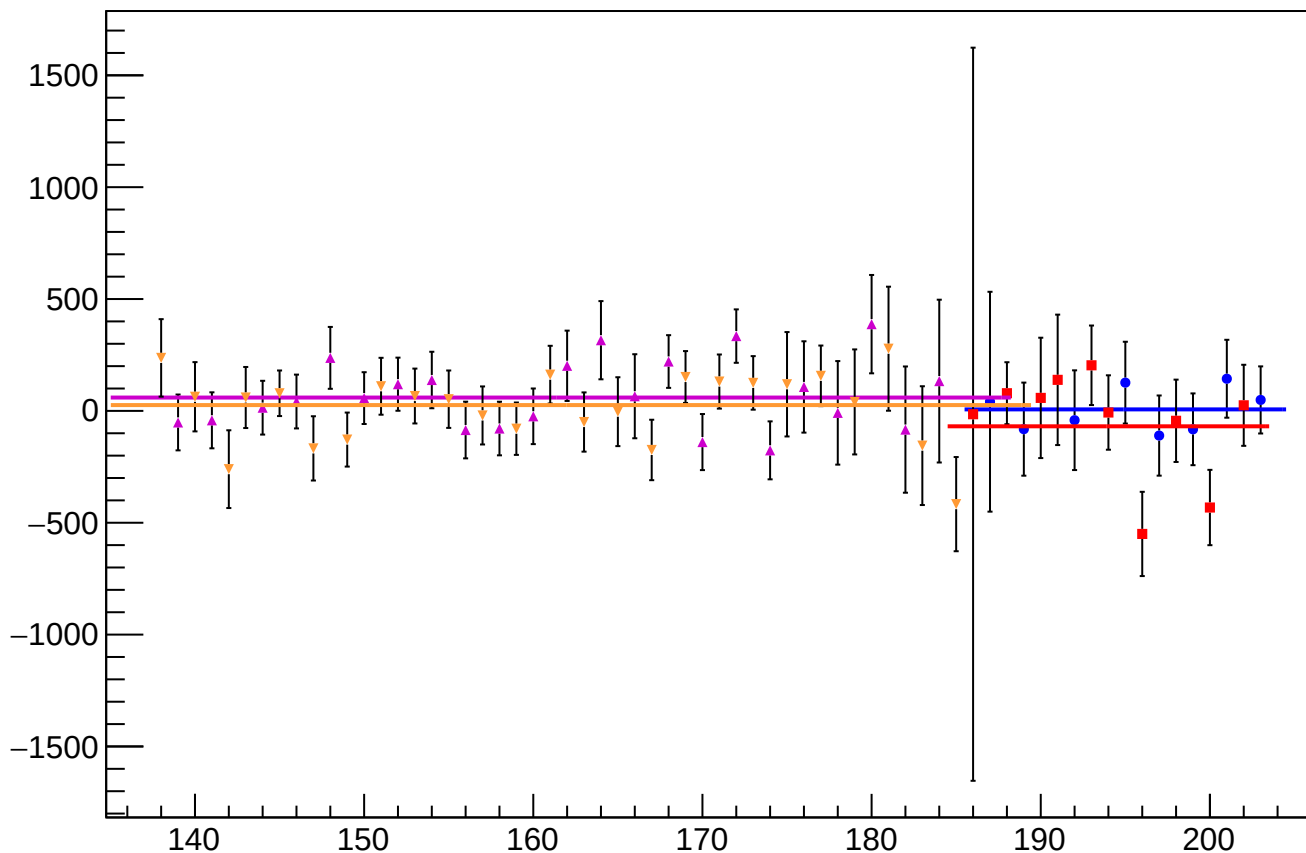
Right: 596.745 $\pm$ 0.126 χ^2 /NDF: 869852.7/17

In: 516.326 $\pm$ 0.078 χ^2 /NDF: 953831.0/30

Out: 516.967 $\pm$ 0.075 χ^2 /NDF: 1718131.7/34

All: 516.659 $\pm$ 0.054 χ^2 /NDF: 2671998.1/65

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 6.697 ± 66.701 χ^2/NDF : 2.1/7

Left Out: 25.940 ± 28.120 χ^2/NDF : 22.7/24

Right Out: -68.940 ± 60.930 χ^2/NDF : 15.8/9

Left In: 59.603 ± 29.184 χ^2/NDF : 25.6/22

Left: 42.147 ± 20.250 χ^2/NDF : 49.0/47

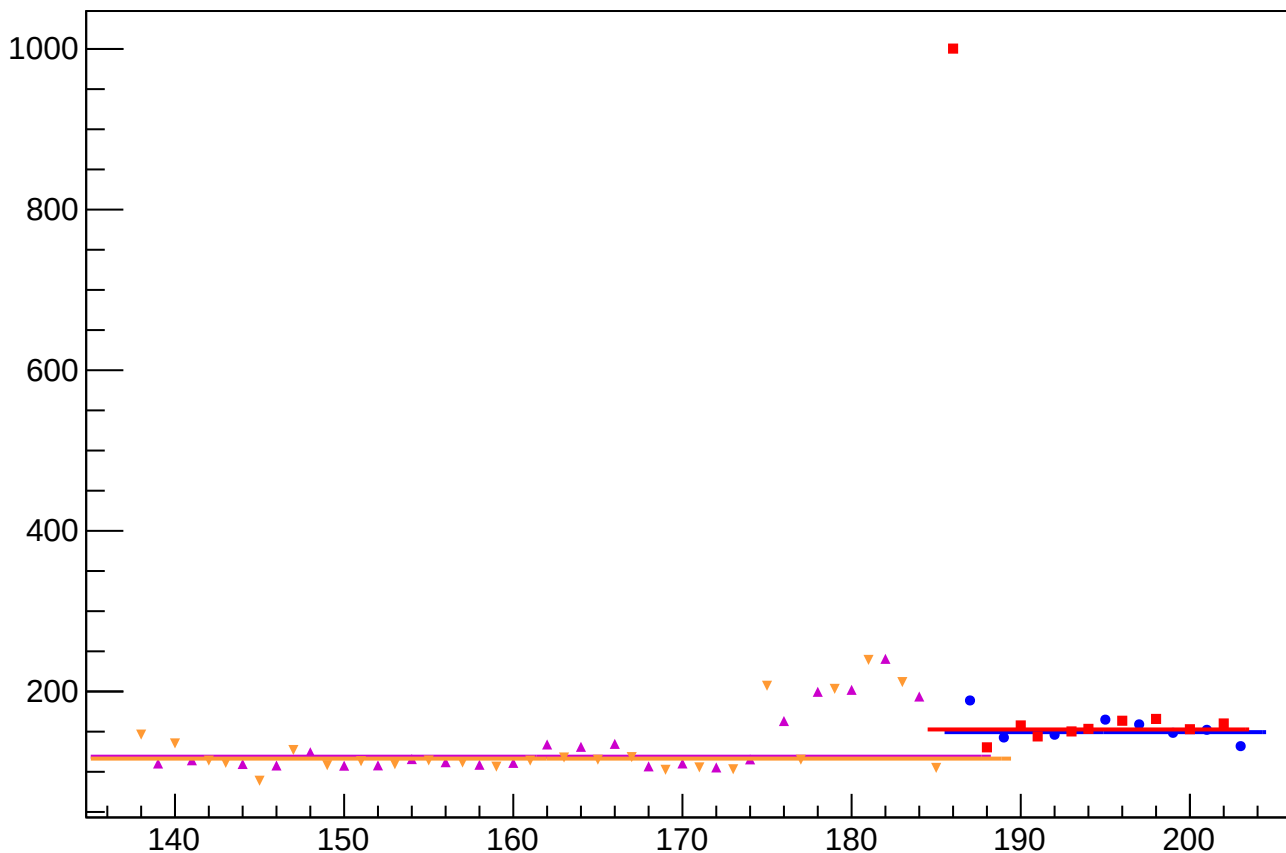
Right: -34.535 ± 44.986 χ^2/NDF : 18.6/17

In: 51.103 ± 26.737 χ^2/NDF : 28.3/30

Out: 9.279 ± 25.532 χ^2/NDF : 40.5/34

All: 29.228 ± 18.465 χ^2/NDF : 70.0/65

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 149.378 $\pm$ 0.047 χ^2 /NDF: 63374.7/7

Left Out: 116.427 $\pm$ 0.020 χ^2 /NDF:1589669.4/24

Right Out: 152.726 $\pm$ 0.043 χ^2 /NDF: 610108.7/9

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

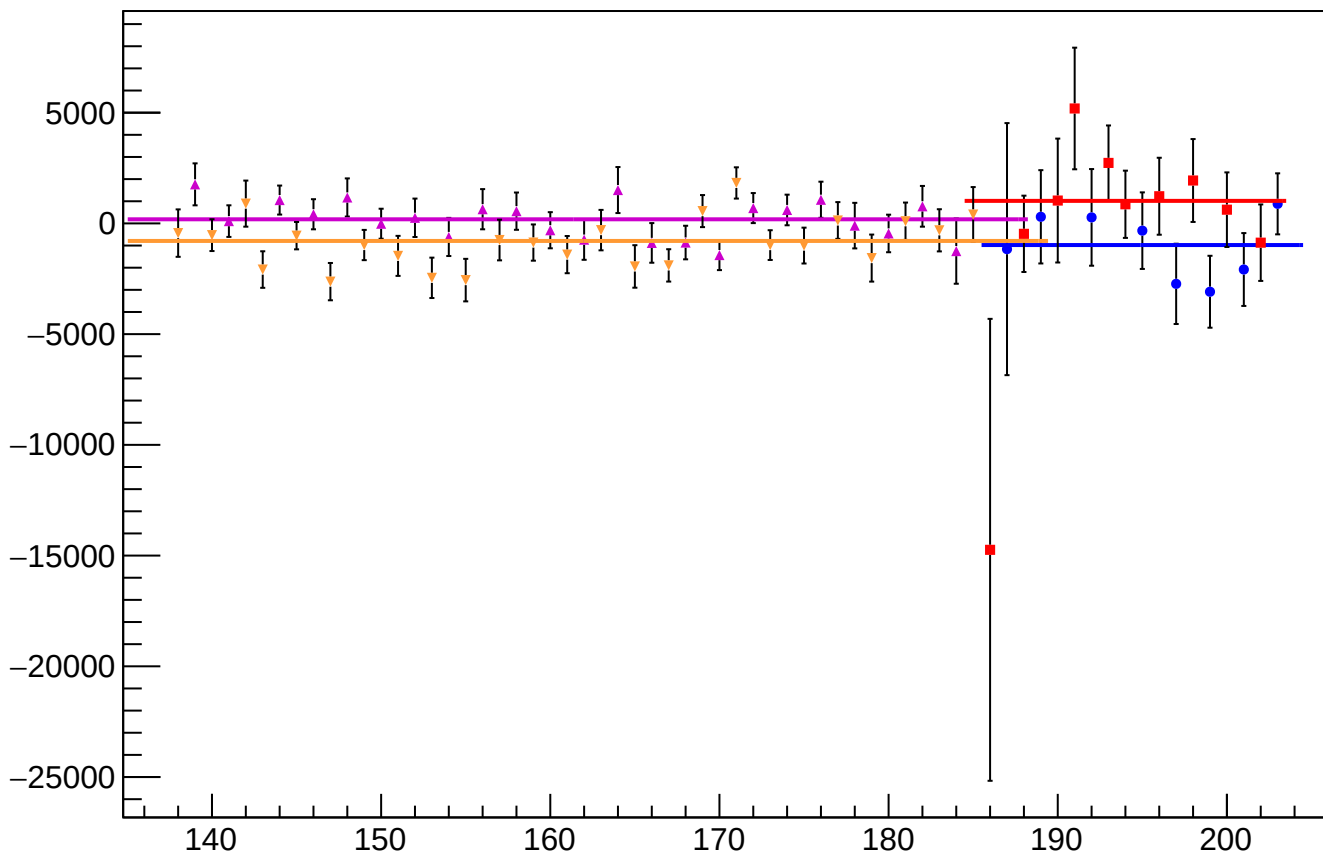
Right: 151.203 $\pm$ 0.032 χ^2 /NDF: 676231.1/17

In: 123.731 $\pm$ 0.019 χ^2 /NDF:1704827.4/30

Out: 122.801 $\pm$ 0.018 χ^2 /NDF:2784960.8/34

All: 123.245 $\pm$ 0.013 χ^2 /NDF: 4491053.9/65

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -977.244+/-648.114 χ^2/NDF : 5.7/7

Left Out: -791.963+/-165.971 χ^2/NDF : 43.6/24

Right Out: 1017.440+/-609.220 χ^2/NDF : 7.9/9

Left In: 185.191+/-169.174 χ^2/NDF : 23.4/22

Left: -312.725+/-118.475 χ^2/NDF : 84.0/47

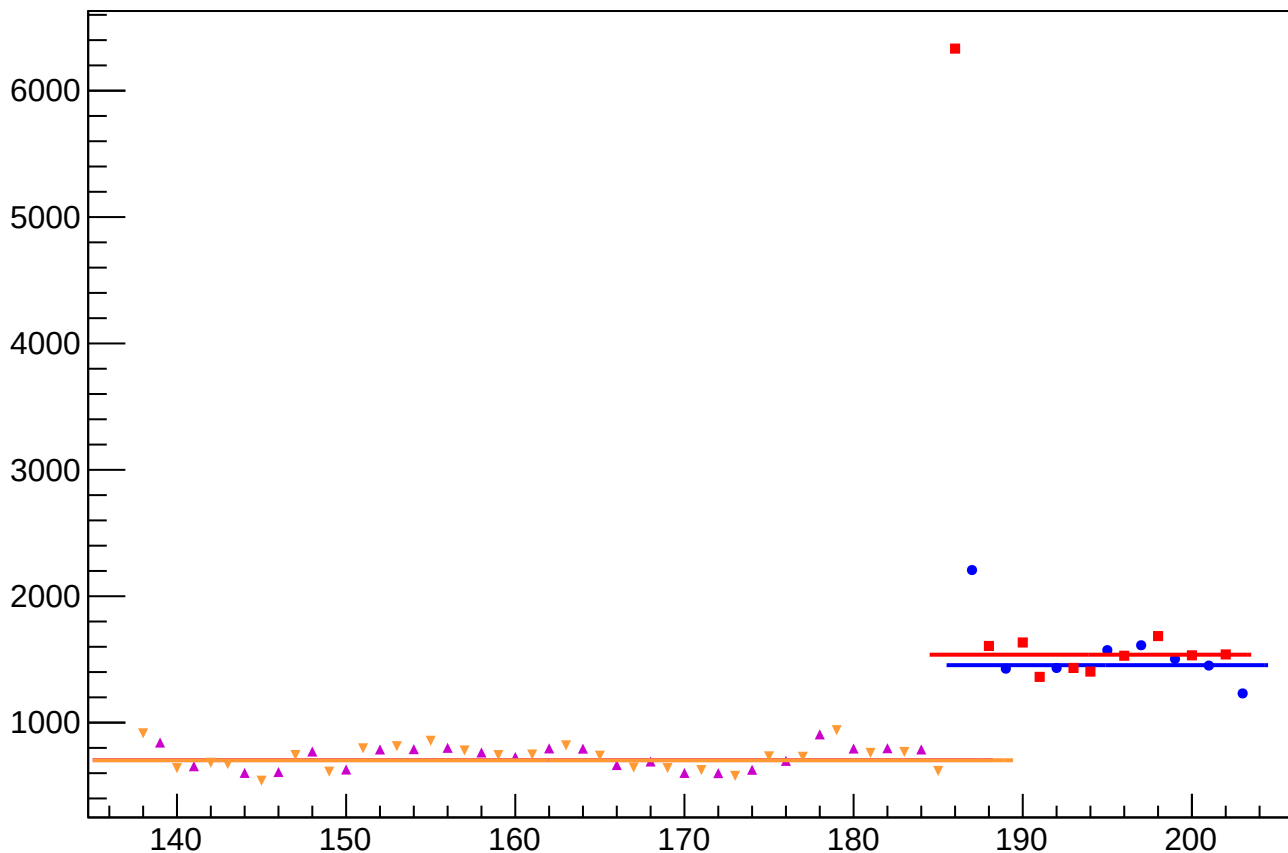
Right: 81.743+/-443.897 χ^2/NDF : 18.6/17

In: 111.041+/-163.690 χ^2/NDF : 32.2/30

Out: -666.949+/-160.135 χ^2/NDF : 59.7/34

All: -286.494+/-114.468 χ^2/NDF : 103.4/65

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 1454.601+/-0.458 χ^2/NDF : 114588.4/7

Left Out: 702.152+/-0.117 χ^2/NDF : 691552.2/24

Right Out: 1537.438+/-0.431 χ^2/NDF : 472274.5/9

Left In: 703.710+/-0.120 χ^2/NDF : 533573.3/22

Left: 702.916+/-0.084 χ^2/NDF : 1225211.9/47

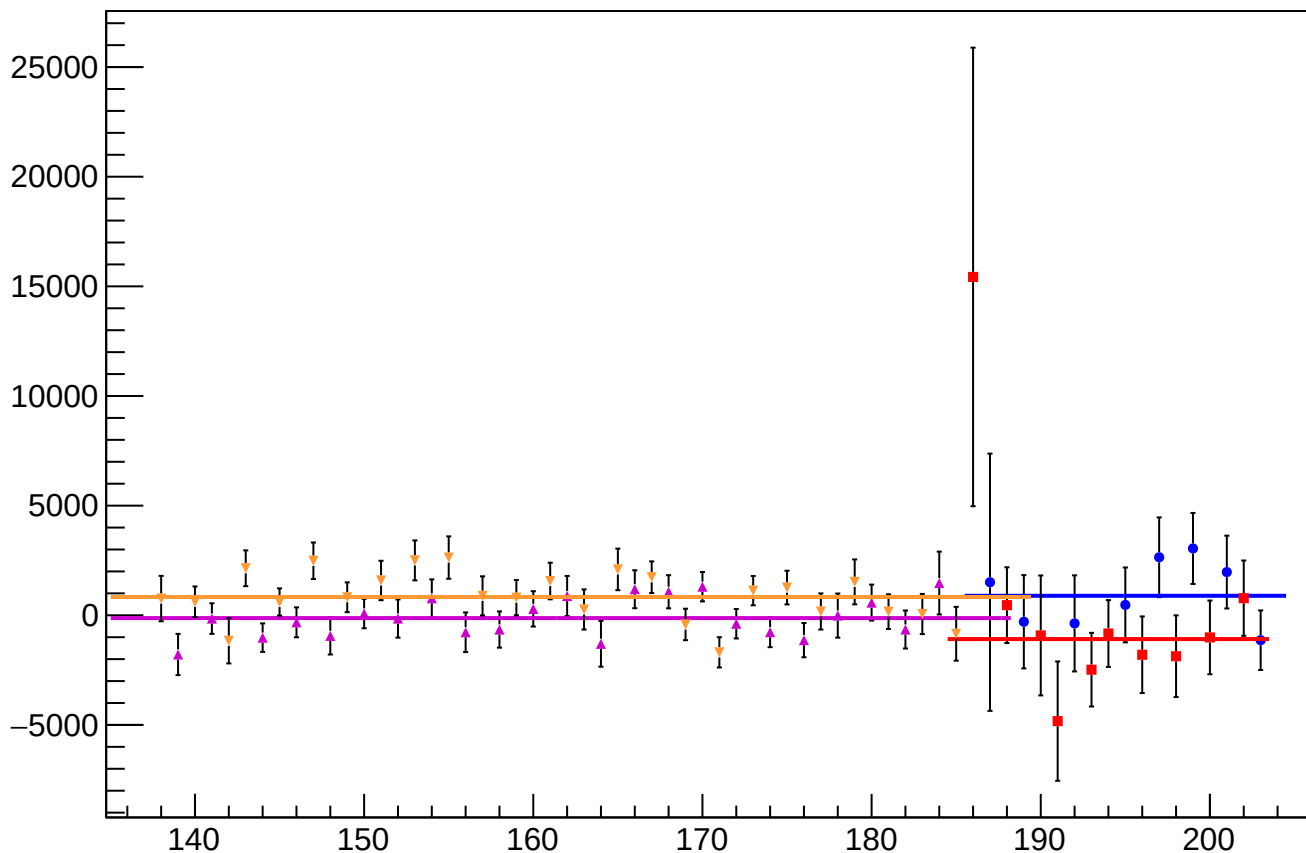
Right: 1498.579+/-0.314 χ^2/NDF : 604208.3/17

In: 751.608+/-0.116 χ^2/NDF : 3161524.1/30

Out: 759.863+/-0.113 χ^2/NDF : 4663753.4/34

All: 755.826+/-0.081 χ^2/NDF : 7827876.6/65

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 889.162 ± 646.741 $\chi^2/\text{NDF}: 6.1/7$

Left Out: 832.553 ± 163.428 $\chi^2/\text{NDF}: 43.8/24$

Right Out: -1084.835 ± 607.746 $\chi^2/\text{NDF}: 7.4/9$

Left In: -128.120 ± 166.866 $\chi^2/\text{NDF}: 25.3/22$

Left: 362.214 ± 116.758 $\chi^2/\text{NDF}: 86.0/47$

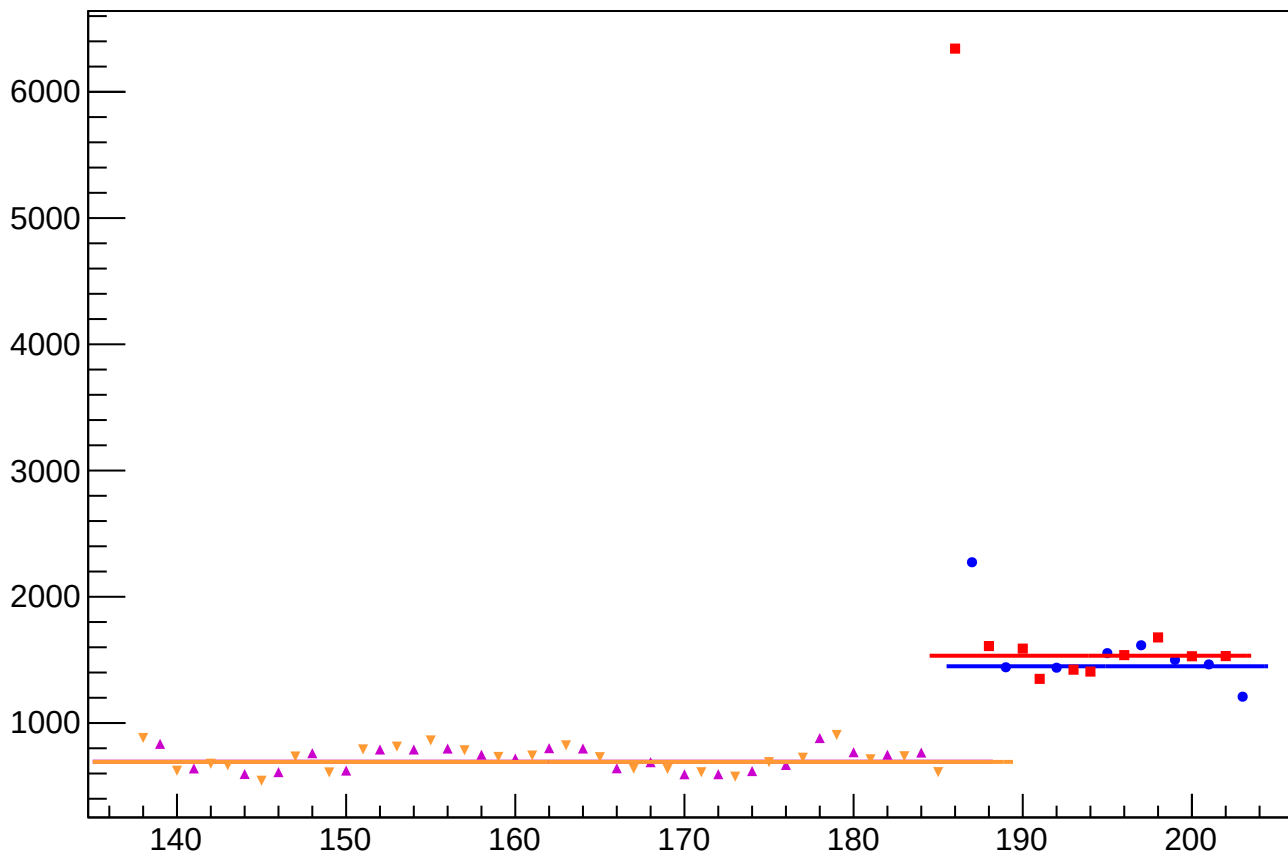
Right: -159.139 ± 442.886 $\chi^2/\text{NDF}: 18.4/17$

In: -64.627 ± 161.574 $\chi^2/\text{NDF}: 33.7/30$

Out: 703.253 ± 157.821 $\chi^2/\text{NDF}: 60.5/34$

All: 328.335 ± 112.900 $\chi^2/\text{NDF}: 105.8/65$

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 1449.512+/-0.457 χ^2/NDF : 128738.9/7

Left Out: 692.071+/-0.116 χ^2/NDF : 657636.6/24

Right Out: 1533.096+/-0.430 χ^2/NDF : 471405.2/9

Left In: 693.615+/-0.118 χ^2/NDF : 520692.6/22

Left: 692.827+/-0.083 χ^2/NDF : 1178416.7/47

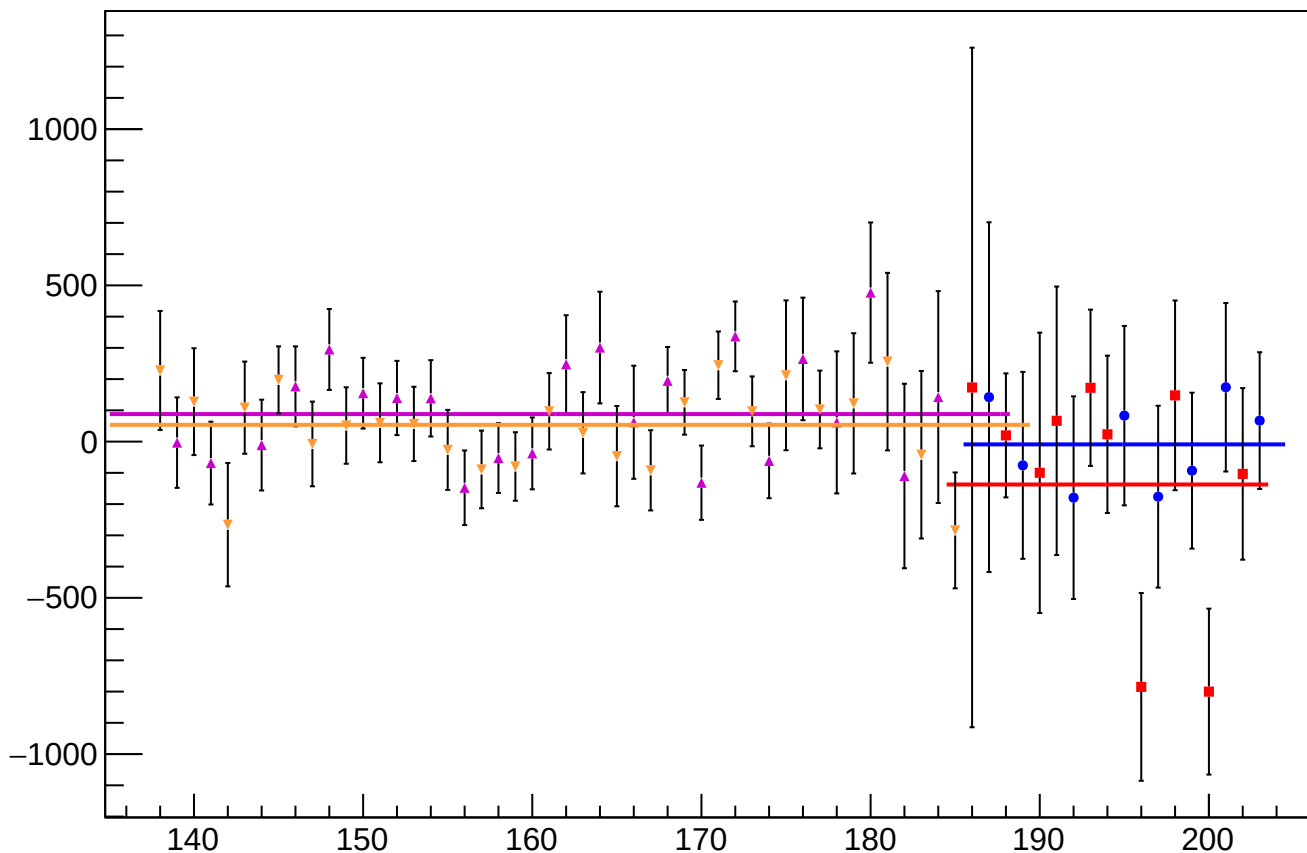
Right: 1493.900+/-0.313 χ^2/NDF : 617883.8/17

In: 740.794+/-0.114 χ^2/NDF : 3210993.4/30

Out: 748.786+/-0.112 χ^2/NDF : 4700808.5/34

All: 744.884+/-0.080 χ^2/NDF : 7914305.6/65

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -8.865 ± 100.752 $\chi^2/\text{NDF}: 1.5/7$

Left Out: 53.701 ± 27.462 $\chi^2/\text{NDF}: 19.2/24$

Right Out: -137.235 ± 92.150 $\chi^2/\text{NDF}: 14.7/9$

Left In: 88.085 ± 28.764 $\chi^2/\text{NDF}: 30.4/22$

Left: 70.097 ± 19.863 $\chi^2/\text{NDF}: 50.3/47$

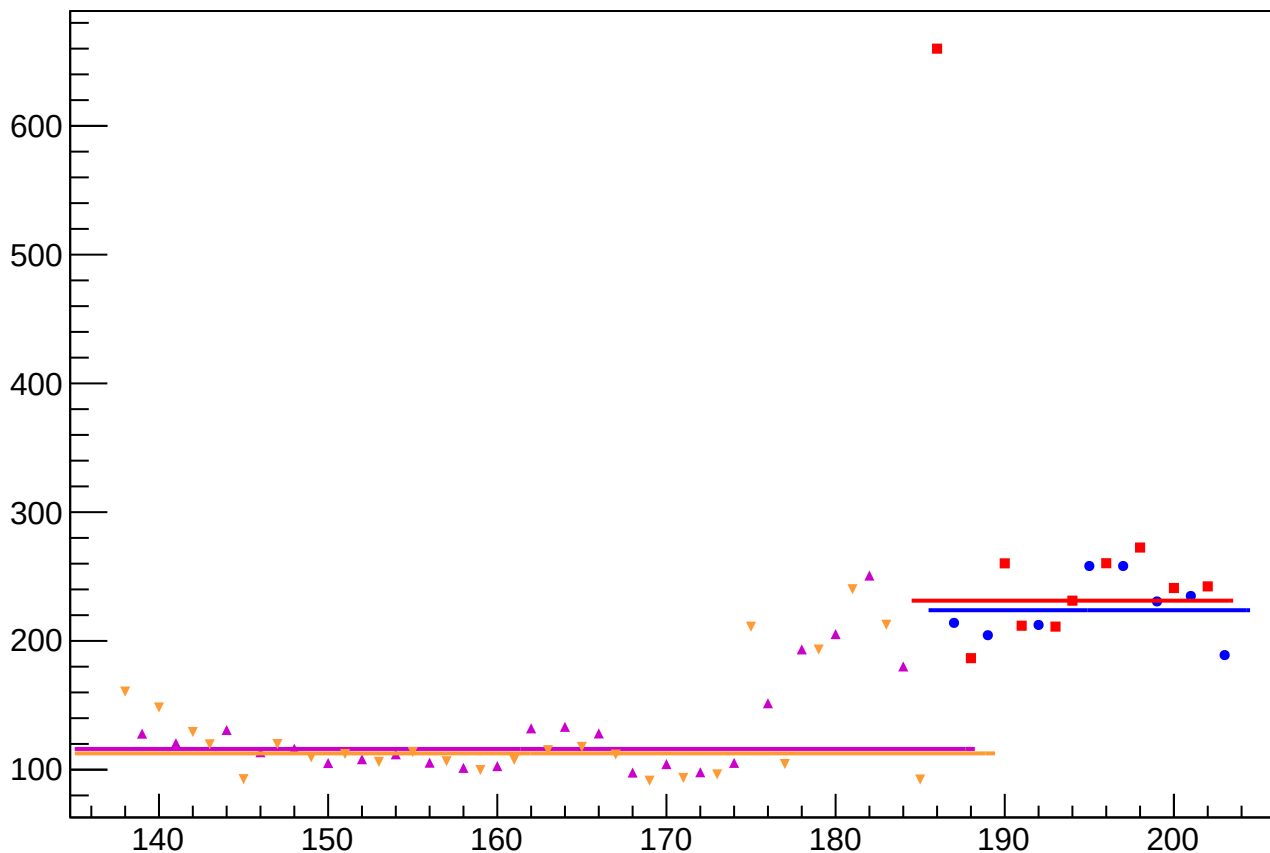
Right: -78.763 ± 67.998 $\chi^2/\text{NDF}: 17.1/17$

In: 80.778 ± 27.659 $\chi^2/\text{NDF}: 32.8/30$

Out: 38.127 ± 26.318 $\chi^2/\text{NDF}: 37.8/34$

All: 58.394 ± 19.066 $\chi^2/\text{NDF}: 71.8/65$

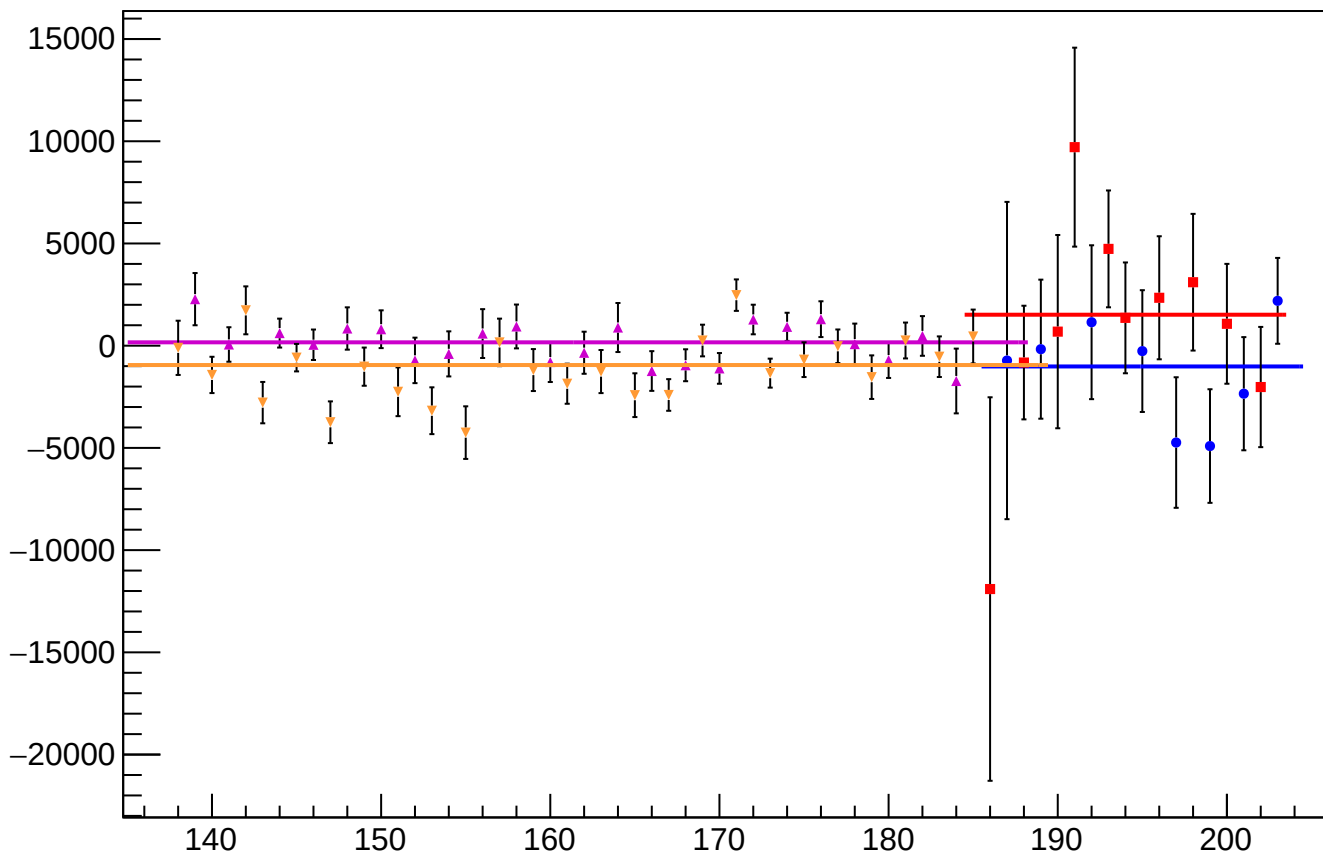
dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 223.840 $\pm$ 0.071 χ^2 /NDF: 123535.5/7
 Left Out: 112.668 $\pm$ 0.019 χ^2 /NDF:1851455.7/24
 Right Out: 231.281 $\pm$ 0.065 χ^2 /NDF: 499152.8/9
 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: 227.892 $\pm$ 0.048 χ^2 /NDF: 628627.1/17
 In: 124.227 $\pm$ 0.020 χ^2 /NDF:3676806.0/30
 Out: 122.343 $\pm$ 0.019 χ^2 /NDF:5393911.3/34
 All: 123.238 $\pm$ 0.013 χ^2 /NDF: 9075585.4/65

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -1015.820+/-1071.276 χ^2/NDF : 6.3/7

Left Out: -946.412+/-188.668 χ^2/NDF : 63.3/24

Right Out: 1514.961+/-1043.578 χ^2/NDF : 8.7/9

Left In: 164.202+/-191.131 χ^2/NDF : 22.0/22

Left: -398.306+/-134.271 χ^2/NDF : 102.4/47

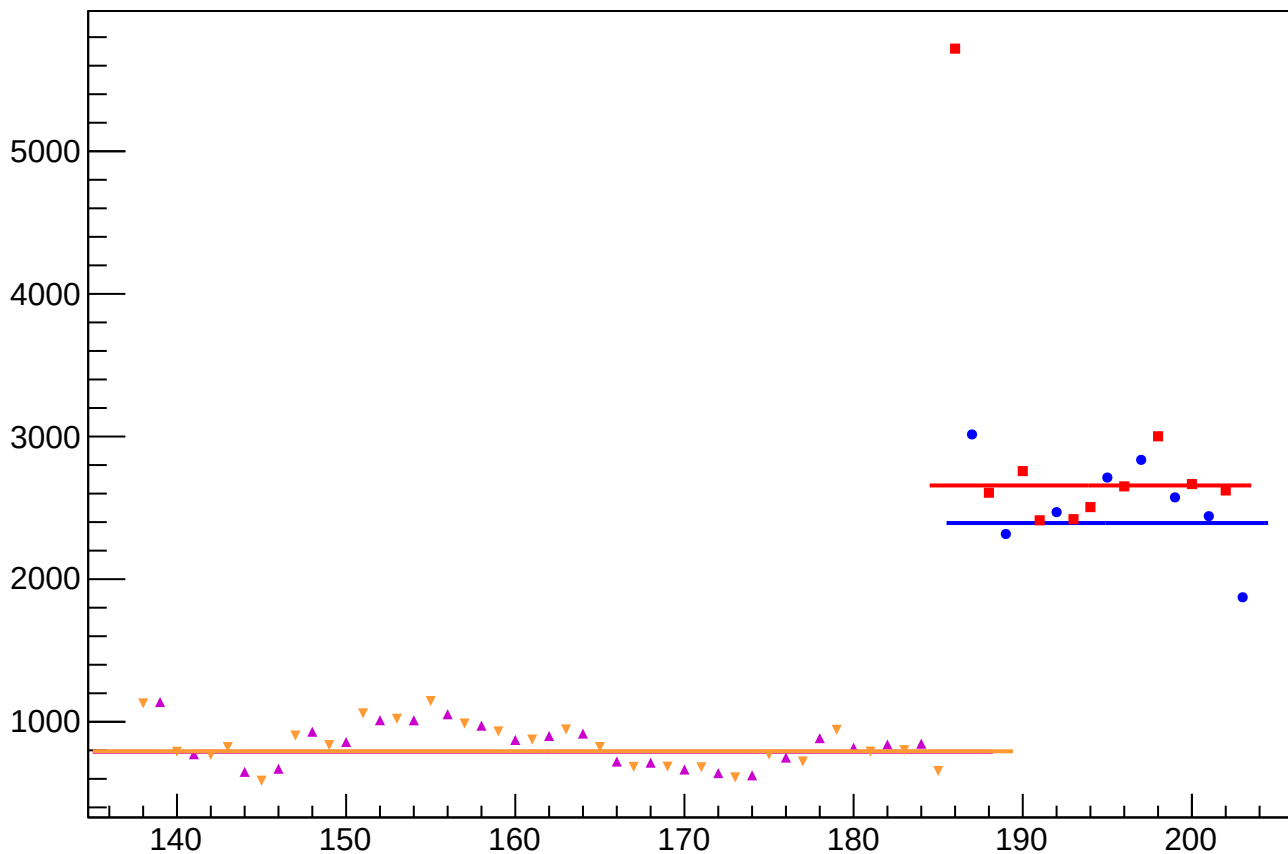
Right: 282.711+/-747.522 χ^2/NDF : 17.9/17

In: 127.798+/-188.160 χ^2/NDF : 29.6/30

Out: -868.509+/-185.659 χ^2/NDF : 77.4/34

All: -377.021+/-132.156 χ^2/NDF : 121.1/65

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 2393.546 $\pm$ 0.758 χ^2 /NDF: 207888.3/7

Left Out: 793.154 $\pm$ 0.133 χ^2 /NDF:1158856.1/24

Right Out: 2656.986 $\pm$ 0.738 χ^2 /NDF: 261353.0/9

Left In: 789.699 $\pm$ 0.135 χ^2 /NDF:1019959.0/22

Left: 791.449 $\pm$ 0.095 χ^2 /NDF: 2179146.2/47

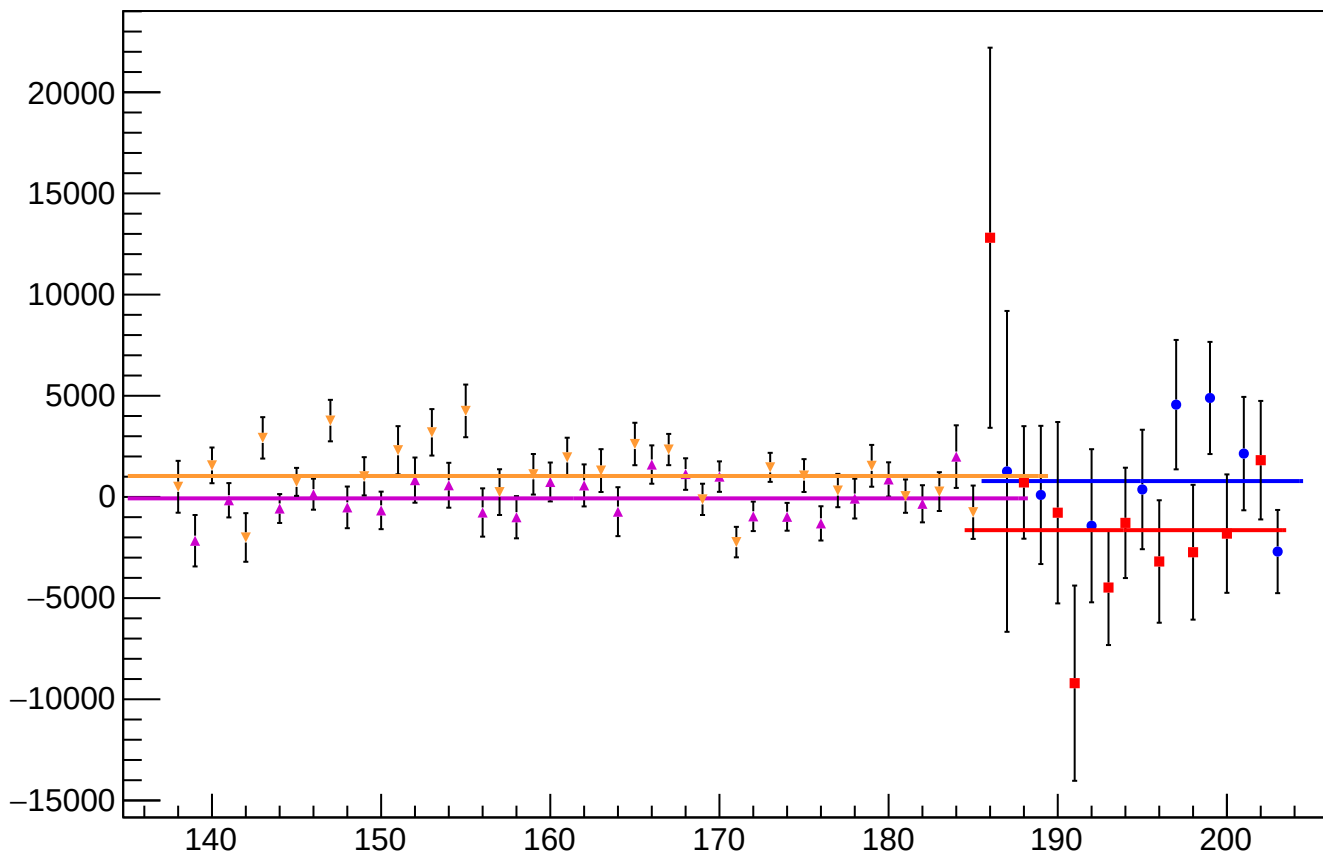
Right: 2528.716 $\pm$ 0.529 χ^2 /NDF: 531297.8/17

In: 839.177 $\pm$ 0.133 χ^2 /NDF:5572390.2/30

Out: 852.146 $\pm$ 0.131 χ^2 /NDF:7597892.9/34

All: 845.748 $\pm$ 0.093 χ^2 /NDF: 13175097.1/65

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 783.916 $\pm$ 1067.085 χ^2 /NDF: 7.1/7

Left Out: 1035.605 $\pm$ 187.244 χ^2 /NDF:61.4/24

Right Out: -1641.710 $\pm$ 1040.162 χ^2 /NDF: 8.4/9

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

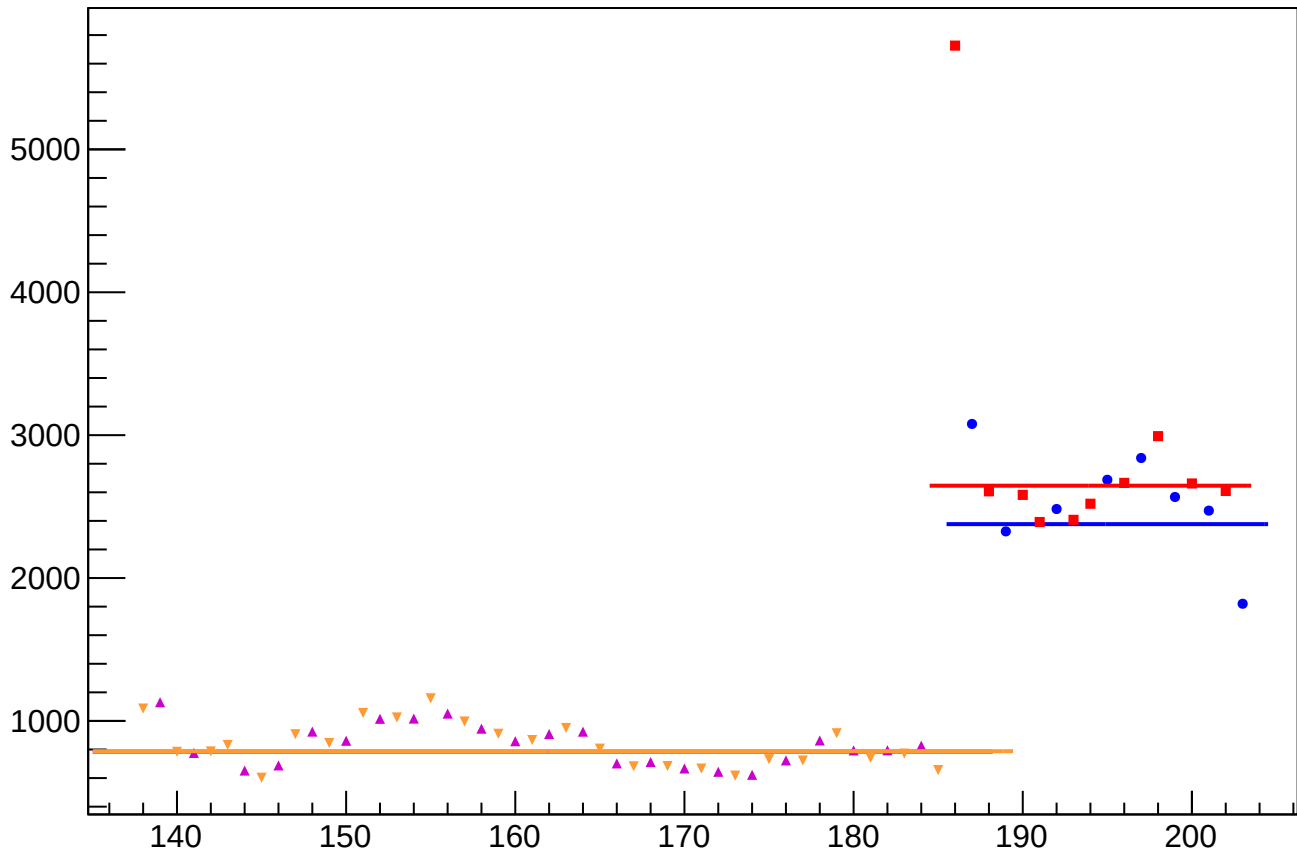
Right: -459.884 $\pm$ 744.842 χ^2 /NDF: 18.1/17

In: -44.543 $\pm$ 187.206 χ^2 /NDF:31.1/30

Out: 951.569 $\pm$ 184.281 χ^2 /NDF:76.1/34

All: 461.355 $\pm$ 131.329 χ^2 /NDF: 121.6/65

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 2377.281+/-0.755 χ^2/NDF : 240267.4/7

Left Out: 787.981+/-0.132 χ^2/NDF :1113986.0/24

Right Out: 2646.332+/-0.736 χ^2/NDF : 261919.5/9

Left In: 785.179+/-0.134 χ^2/NDF :976942.0/22

Left: 786.602+/-0.094 χ^2/NDF : 2091148.6/47

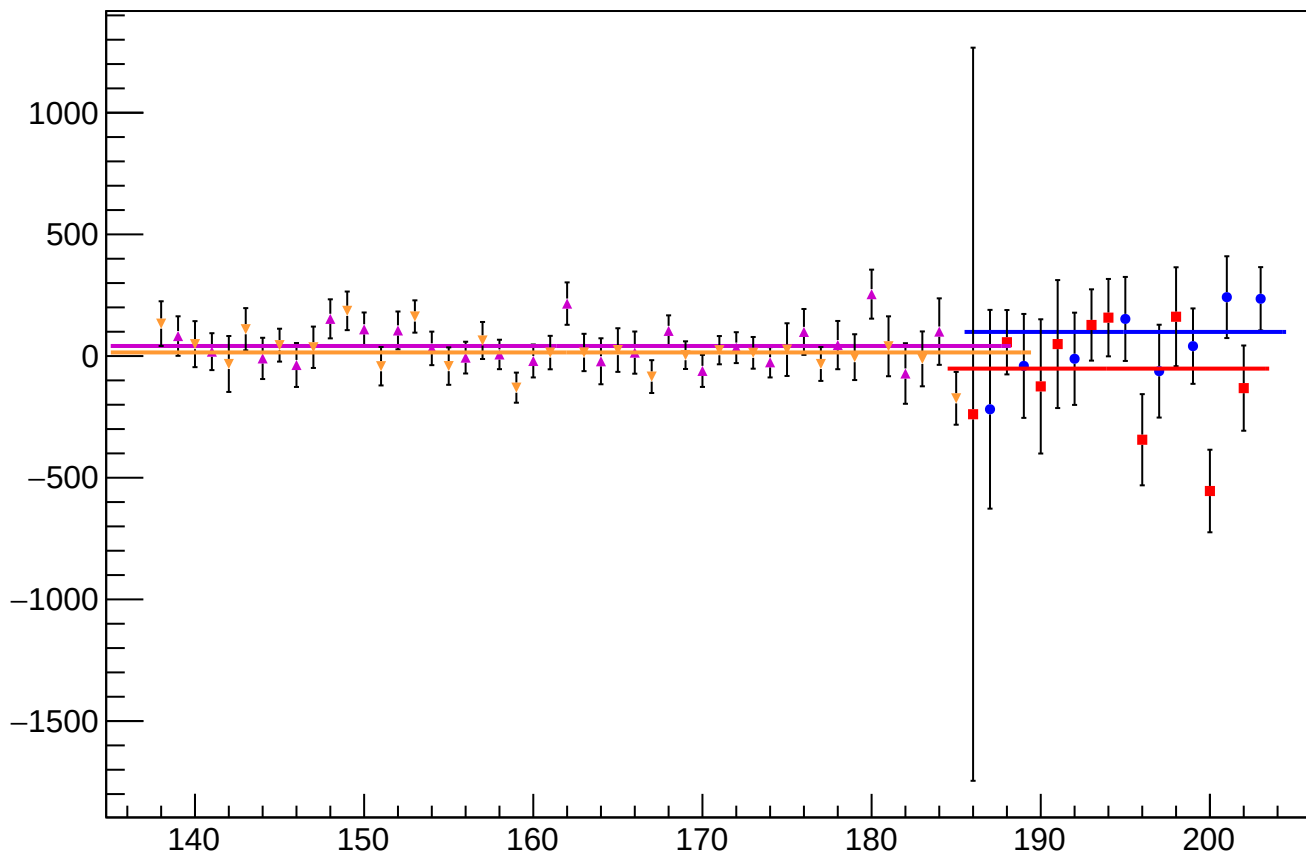
Right: 2515.244+/-0.527 χ^2/NDF : 567383.8/17

In: 834.181+/-0.132 χ^2/NDF :5532369.2/30

Out: 846.311+/-0.130 χ^2/NDF :7559397.5/34

All: 840.341+/-0.093 χ^2/NDF : 13096031.2/65

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 99.165 $\pm$ 62.880 χ^2 /NDF: 4.1/7

Left Out: 14.879 $\pm$ 15.529 χ^2 /NDF:25.8/24

Right Out: -51.564 $\pm$ 58.579 χ^2 /NDF: 16.7/9

Left In: 41.428 $\pm$ 16.130 χ^2 /NDF:21.7/22

Left: 27.650 $\pm$ 11.187 χ^2 /NDF: 48.9/47

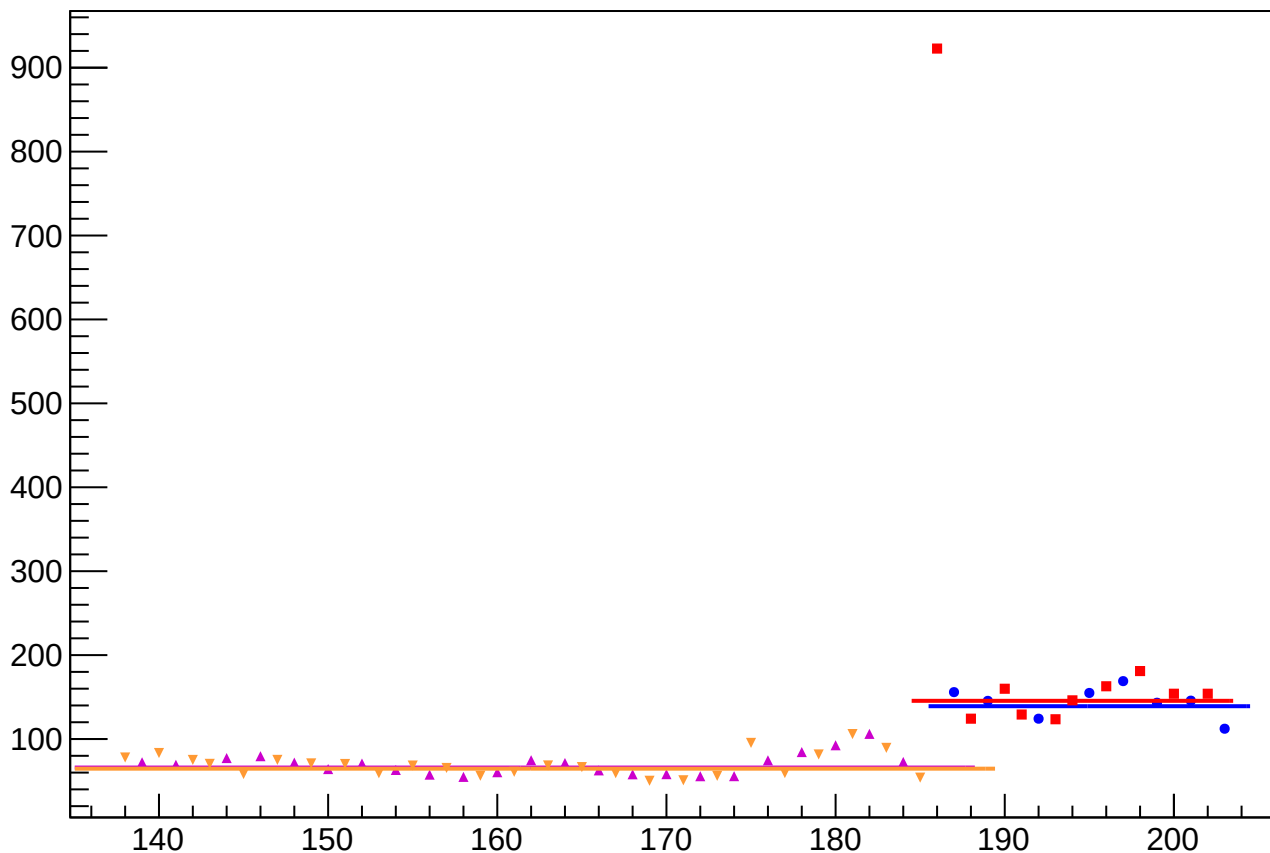
Right: 18.471 $\pm$ 42.862 χ^2 /NDF: 23.9/17

In: 44.993 $\pm$ 15.624 χ^2 /NDF:26.6/30

Out: 10.516 $\pm$ 15.011 χ^2 /NDF:43.7/34

All: 27.064 $\pm$ 10.825 χ^2 /NDF: 72.9/65

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 139.110 $\pm$ 0.044 χ^2 /NDF: 172957.1/7

Left Out: 64.680 $\pm$ 0.011 χ^2 /NDF:1150386.4/24

Right Out: 145.526 $\pm$ 0.041 χ^2 /NDF: 730057.5/9

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

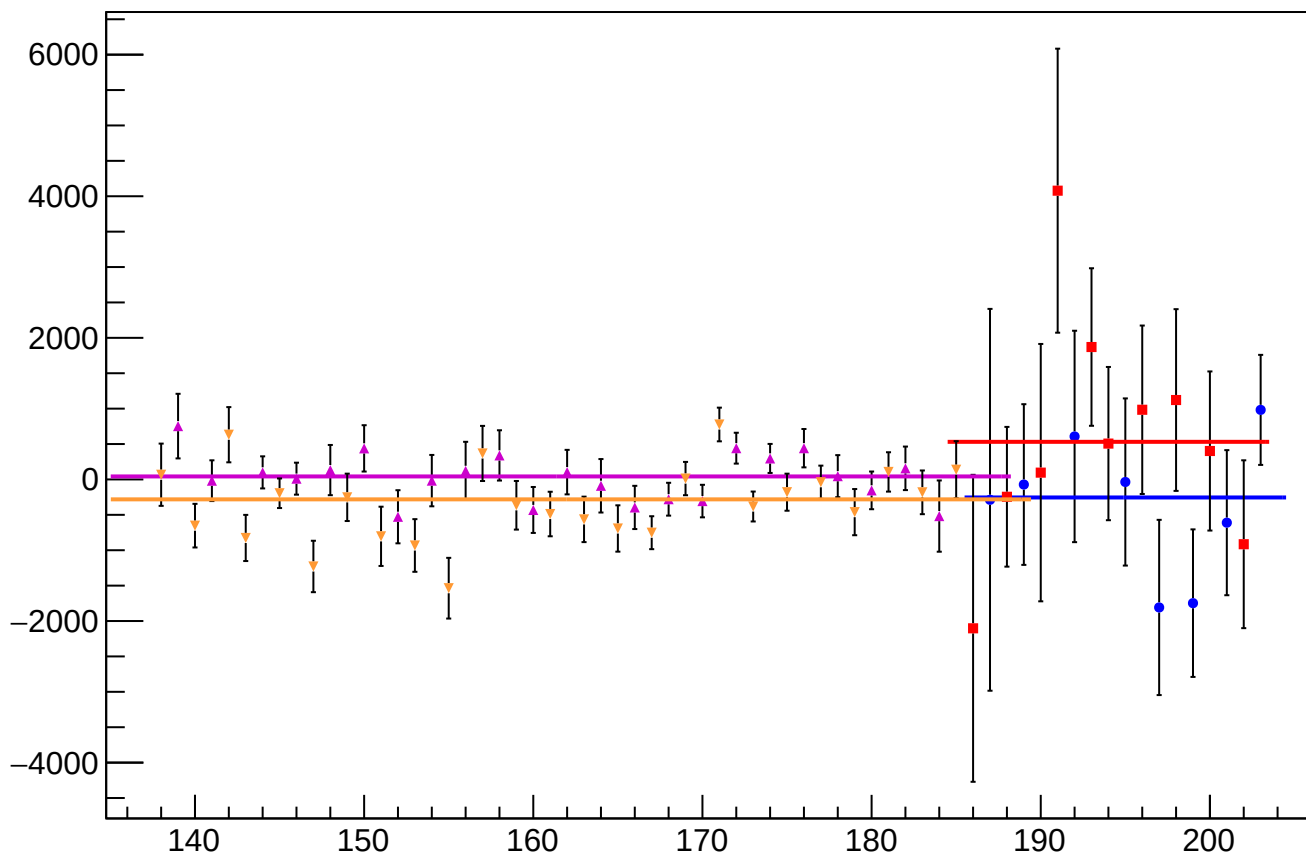
Right: 142.545 $\pm$ 0.030 χ^2 /NDF: 914161.1/17

In: 70.529 $\pm$ 0.011 χ^2 /NDF:3577067.5/30

Out: 69.988 $\pm$ 0.011 χ^2 /NDF:5439695.3/34

All: 70.248 $\pm$ 0.008 χ^2 /NDF: 9018008.0/65

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -254.719+/-399.623 χ^2/NDF : 6.7/7

Left Out: -281.407+/-59.534 χ^2/NDF : 66.5/24

Right Out: 531.175+/-399.383 χ^2/NDF : 8.6/9

Left In: 42.368+/-60.284 χ^2/NDF : 24.7/22

Left: -121.547+/-42.360 χ^2/NDF : 105.8/47

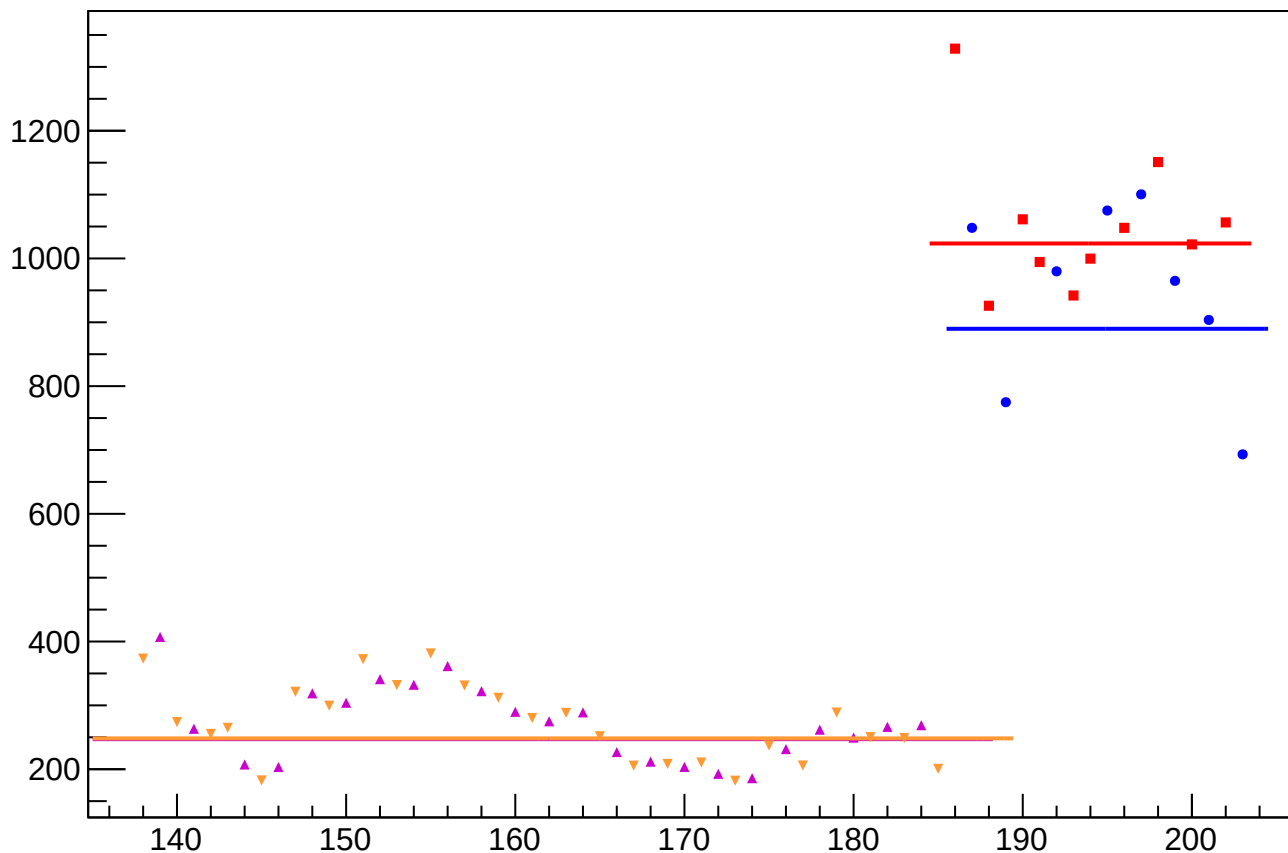
Right: 138.464+/-282.491 χ^2/NDF : 17.2/17

In: 35.758+/-59.610 χ^2/NDF : 31.9/30

Out: -263.744+/-58.883 χ^2/NDF : 79.1/34

All: -115.829+/-41.891 χ^2/NDF : 123.8/65

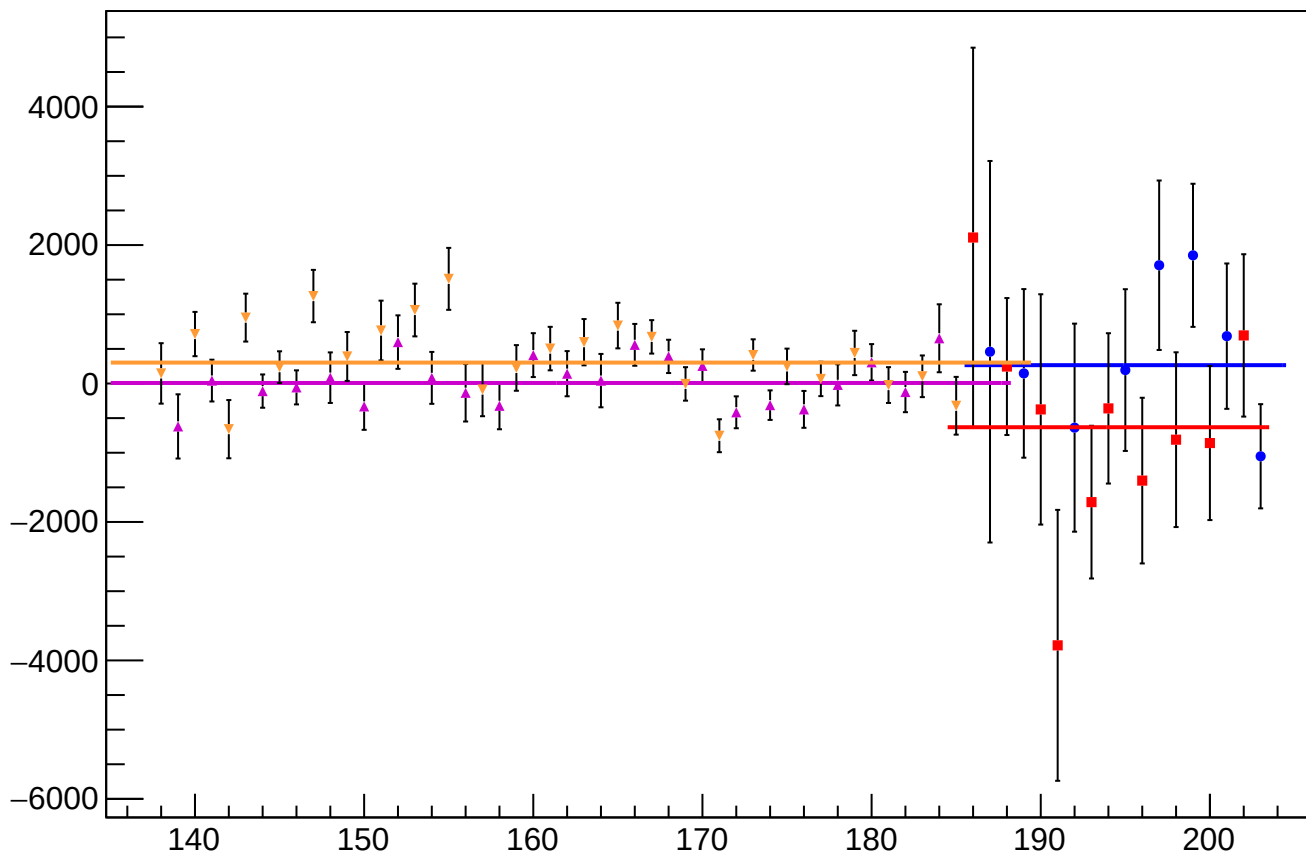
asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 889.815 $\pm$ 0.283 χ^2 /NDF: 280645.0/7
 Left Out: 248.297 $\pm$ 0.042 χ^2 /NDF:1687698.9/24
 Right Out: 1023.434 $\pm$ 0.282 χ^2 /NDF: 94265.4/9
 Left In: 247.105 $\pm$ 0.043 χ^2 /NDF:1539330.1/22

Left: 247.709 $\pm$ 0.030 χ^2 /NDF: 3227424.3/47
 Right: 956.665 $\pm$ 0.200 χ^2 /NDF: 486776.1/17
 In: 261.406 $\pm$ 0.042 χ^2 /NDF:6878062.2/30
 Out: 265.146 $\pm$ 0.042 χ^2 /NDF:9151921.3/34
 All: 263.299 $\pm$ 0.030 χ^2 /NDF: 16033968.9/65

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 265.047 ± 399.769 $\chi^2/\text{NDF}: 7.3/7$

Left Out: 302.420 ± 60.991 $\chi^2/\text{NDF}: 63.8/24$

Right Out: -631.416 ± 398.159 $\chi^2/\text{NDF}: 7.2/9$

Left In: 7.915 ± 61.726 $\chi^2/\text{NDF}: 26.3/22$

Left: 156.931 ± 43.384 $\chi^2/\text{NDF}: 101.6/47$

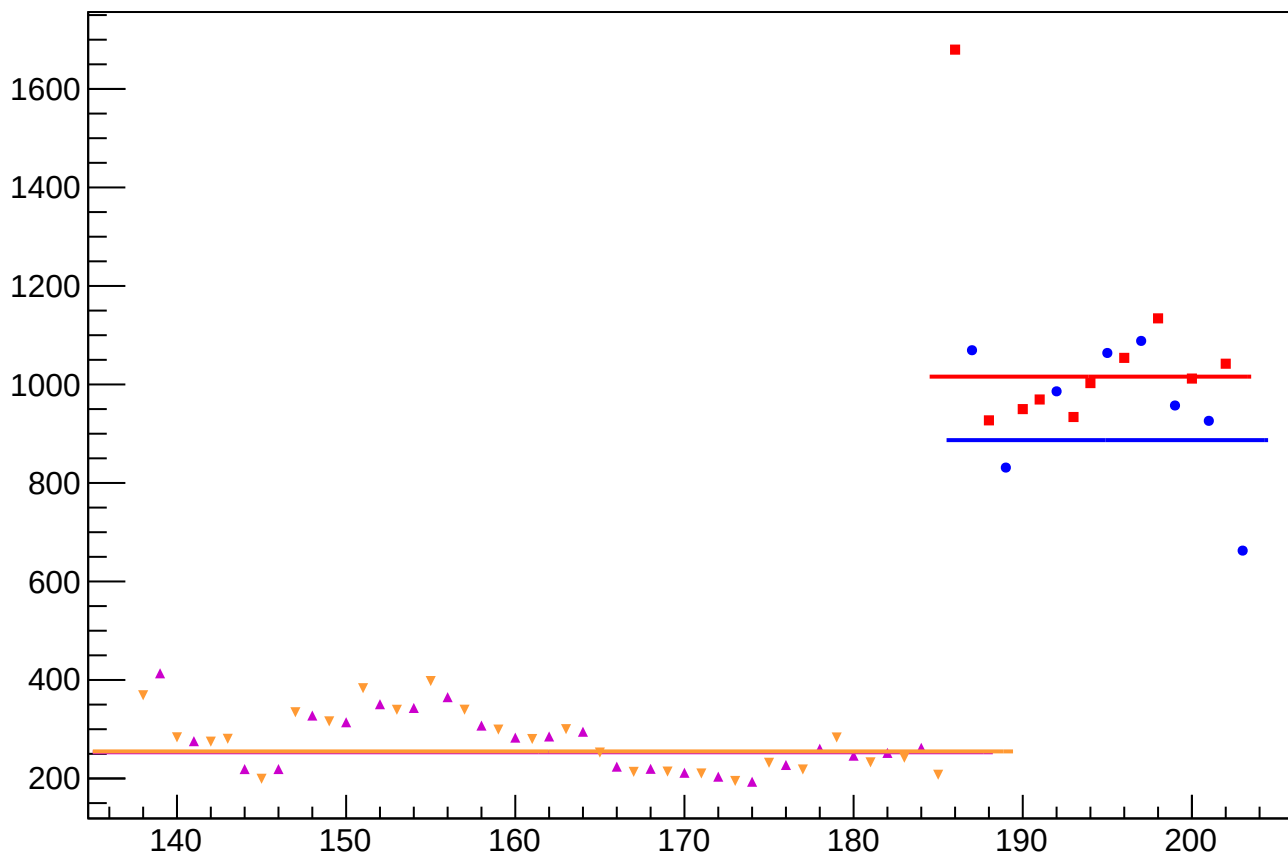
Right: -184.994 ± 282.109 $\chi^2/\text{NDF}: 17.0/17$

In: 13.902 ± 61.003 $\chi^2/\text{NDF}: 34.0/30$

Out: 281.010 ± 60.287 $\chi^2/\text{NDF}: 76.4/34$

All: 149.031 ± 42.880 $\chi^2/\text{NDF}: 120.1/65$

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 886.961+/-0.283 χ^2/NDF : 311418.7/7

Left Out: 254.937+/-0.043 χ^2/NDF :1541708.7/24

Right Out: 1015.871+/-0.282 χ^2/NDF : 169565.3/9

Left In: 253.170+/-0.044 χ^2/NDF :1366527.6/22

Left: 254.064+/-0.031 χ^2/NDF : 2909065.8/47

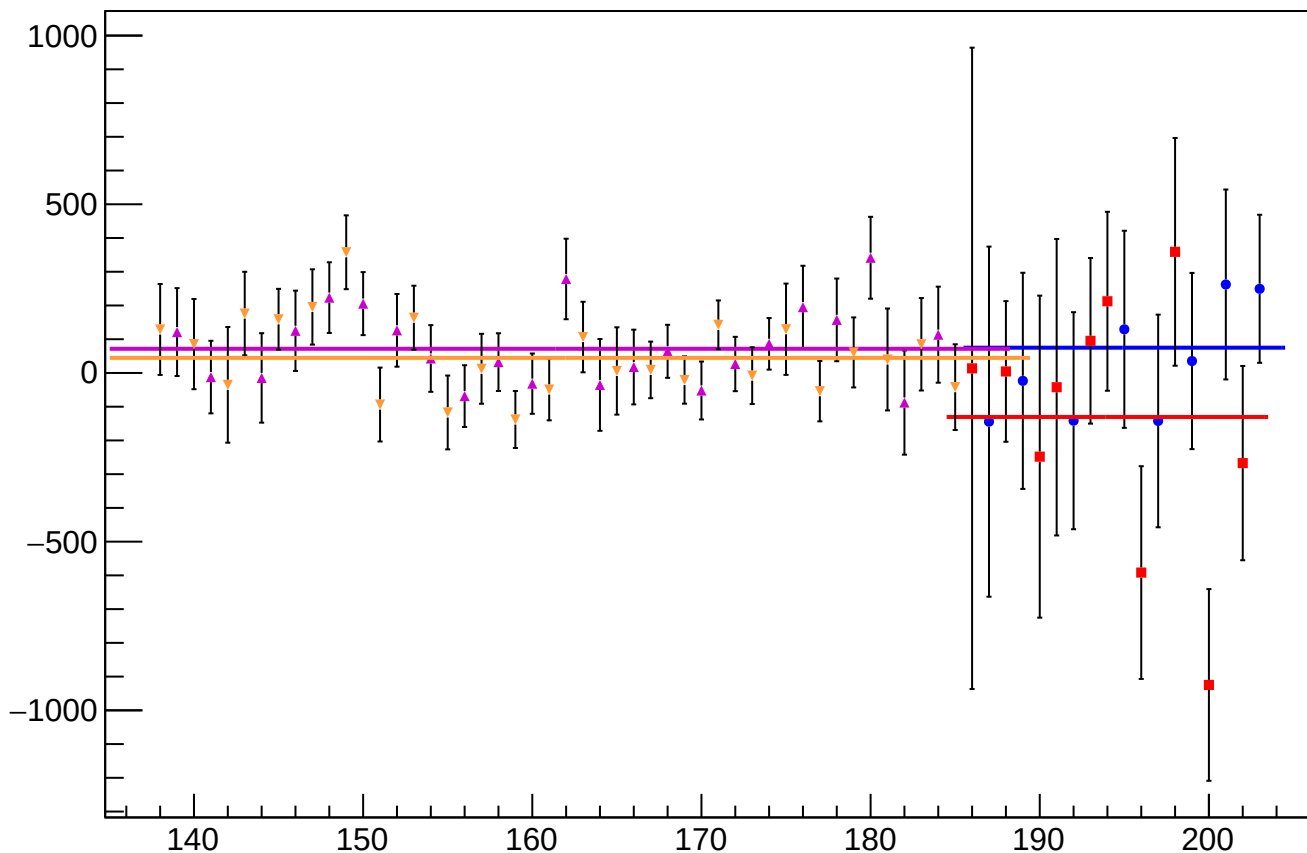
Right: 951.676+/-0.199 χ^2/NDF : 585384.4/17

In: 267.928+/-0.043 χ^2/NDF :6587826.0/30

Out: 272.383+/-0.043 χ^2/NDF :8848624.8/34

All: 270.182+/-0.030 χ^2/NDF : 15441847.1/65

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 74.887 $\pm$ 103.713 χ^2 /NDF: 2.3/7

Left Out: 44.746 $\pm$ 20.460 χ^2 /NDF:30.5/24

Right Out: -130.487 $\pm$ 96.312 χ^2 /NDF: 15.3/9

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

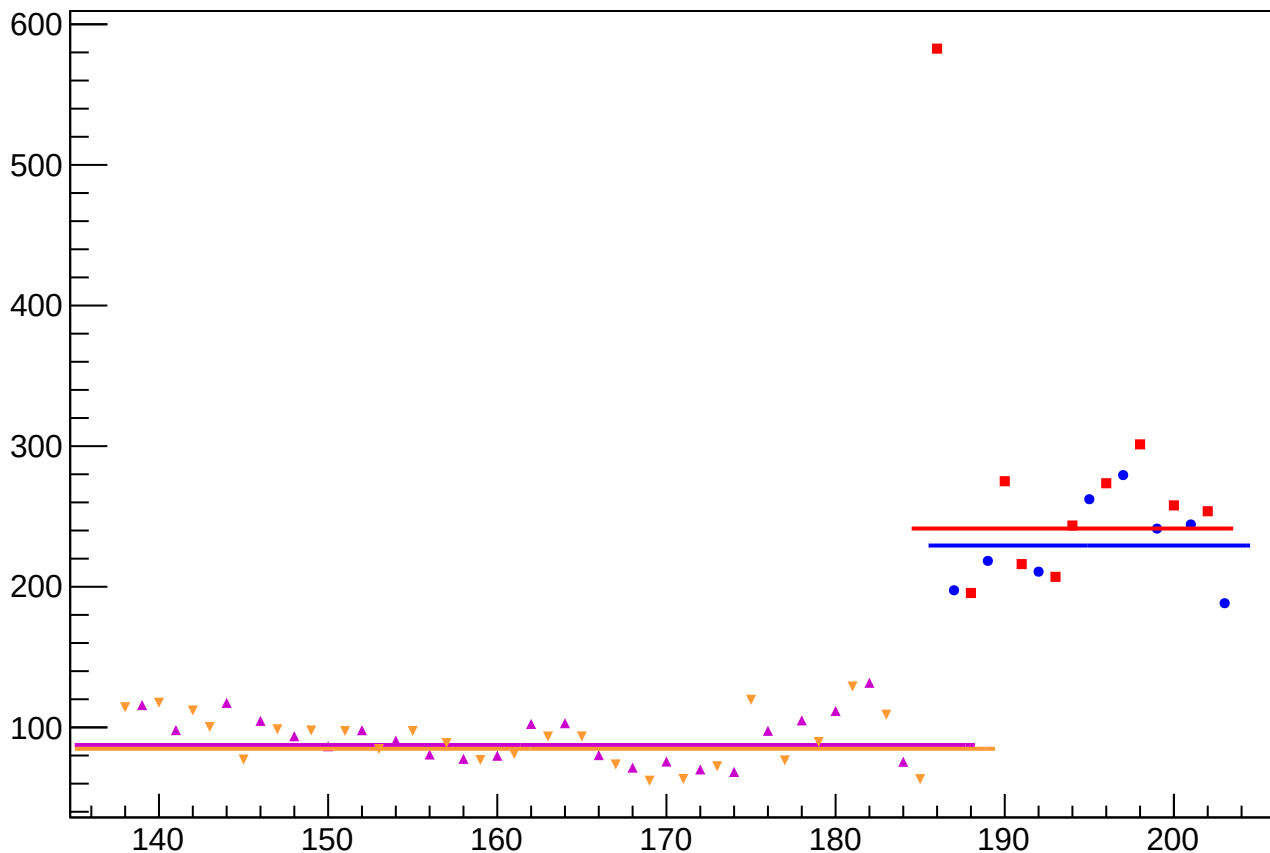
Right: -35.388 $\pm$ 70.574 χ^2 /NDF: 19.8/17

In: 71.754 $\pm$ 21.023 χ^2 /NDF:26.0/30

Out: 37.180 $\pm$ 20.013 χ^2 /NDF:49.1/34

All: 53.617 $\pm$ 14.495 χ^2 /NDF: 76.5/65

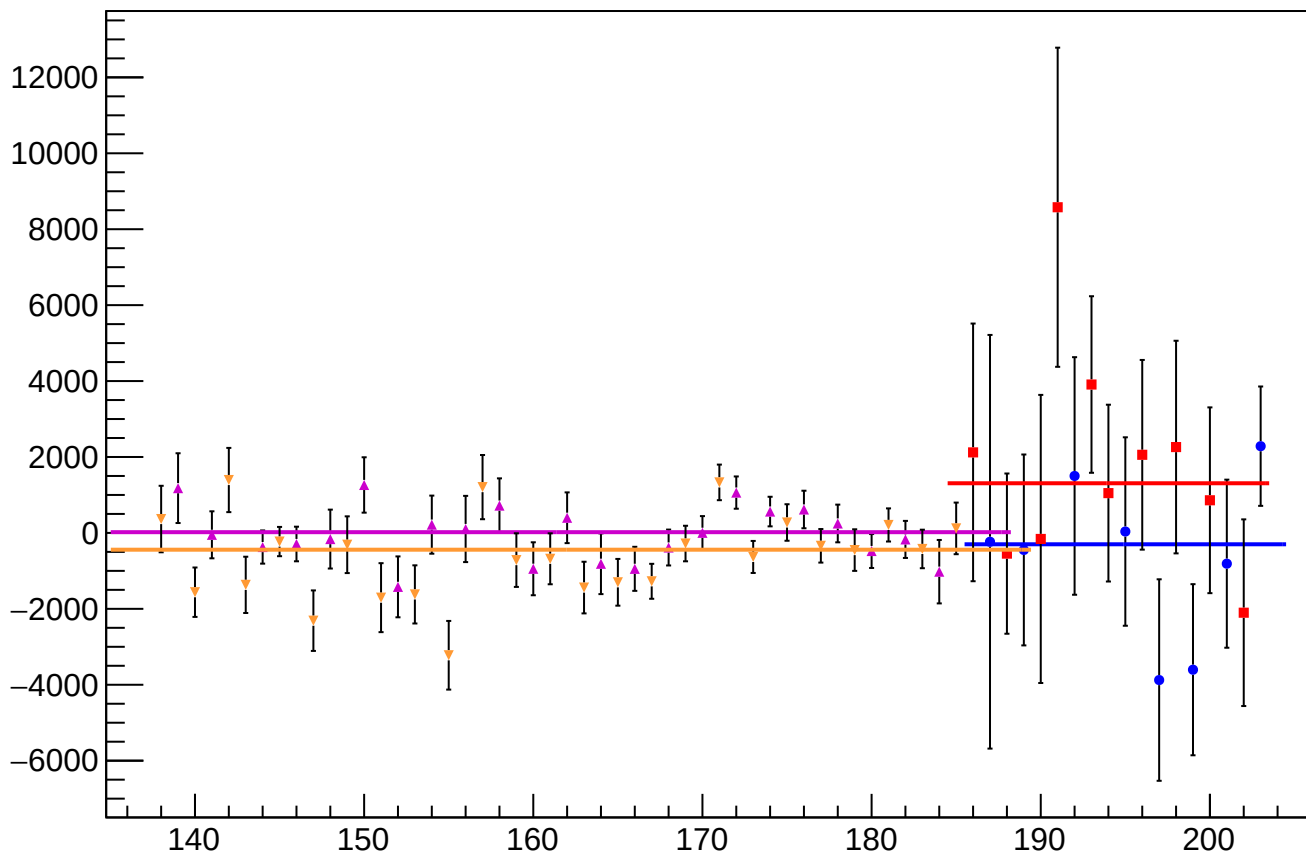
dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 229.323 +/- 0.073 χ^2/NDF : 172316.8/7
 Left Out: 84.793 +/- 0.014 χ^2/NDF : 1382881.3/24
 Right Out: 241.424 +/- 0.068 χ^2/NDF : 504483.5/9
 Left In: 87.477 +/- 0.015 χ^2/NDF : 1056450.2/22

Left: 86.070 +/- 0.010 χ^2/NDF : 2455720.1/47
 Right: 235.821 +/- 0.050 χ^2/NDF : 691421.5/17
 In: 93.306 +/- 0.015 χ^2/NDF : 4816150.2/30
 Out: 91.556 +/- 0.014 χ^2/NDF : 6948600.5/34
 All: 92.388 +/- 0.010 χ^2/NDF : 11772020.1/65

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: -299.552 ± 844.007 $\chi^2/\text{NDF}: 7.1/7$

Left Out: -442.284 ± 115.425 $\chi^2/\text{NDF}: 60.9/24$

Right Out: 1307.919 ± 837.153 $\chi^2/\text{NDF}: 7.4/9$

Left In: 19.322 ± 116.820 $\chi^2/\text{NDF}: 29.5/22$

Left: -214.255 ± 82.107 $\chi^2/\text{NDF}: 98.3/47$

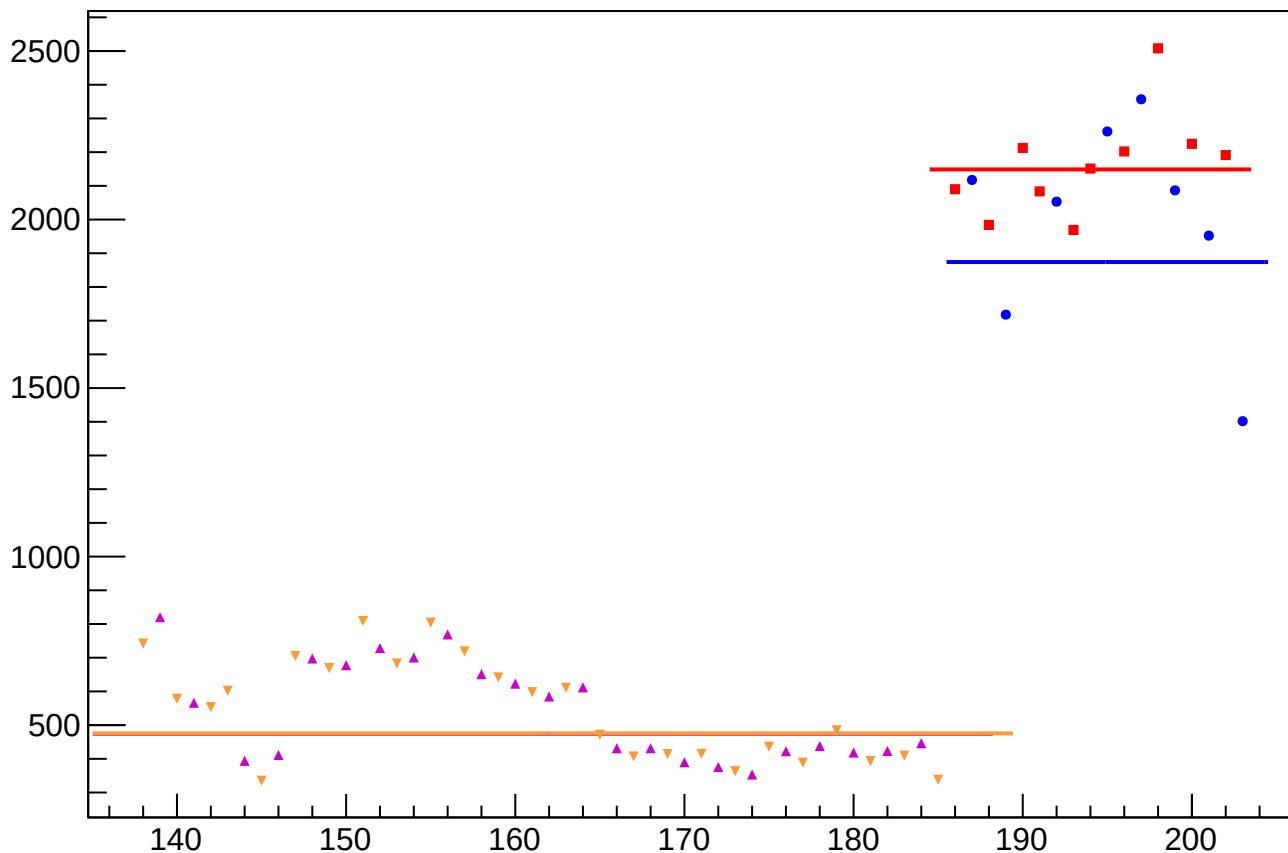
Right: 510.737 ± 594.365 $\chi^2/\text{NDF}: 16.3/17$

In: 13.328 ± 115.717 $\chi^2/\text{NDF}: 36.7/30$

Out: -409.633 ± 114.343 $\chi^2/\text{NDF}: 72.6/34$

All: -200.679 ± 81.334 $\chi^2/\text{NDF}: 116.1/65$

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 1874.000+/-0.597 χ^2/NDF : 333926.8/7

Left Out: 475.415+/-0.082 χ^2/NDF : 2509706.1/24

Right Out: 2148.759+/-0.592 χ^2/NDF : 62107.9/9

Left In: 473.947+/-0.083 χ^2/NDF : 2174476.6/22

Left: 474.690+/-0.058 χ^2/NDF : 4684342.6/47

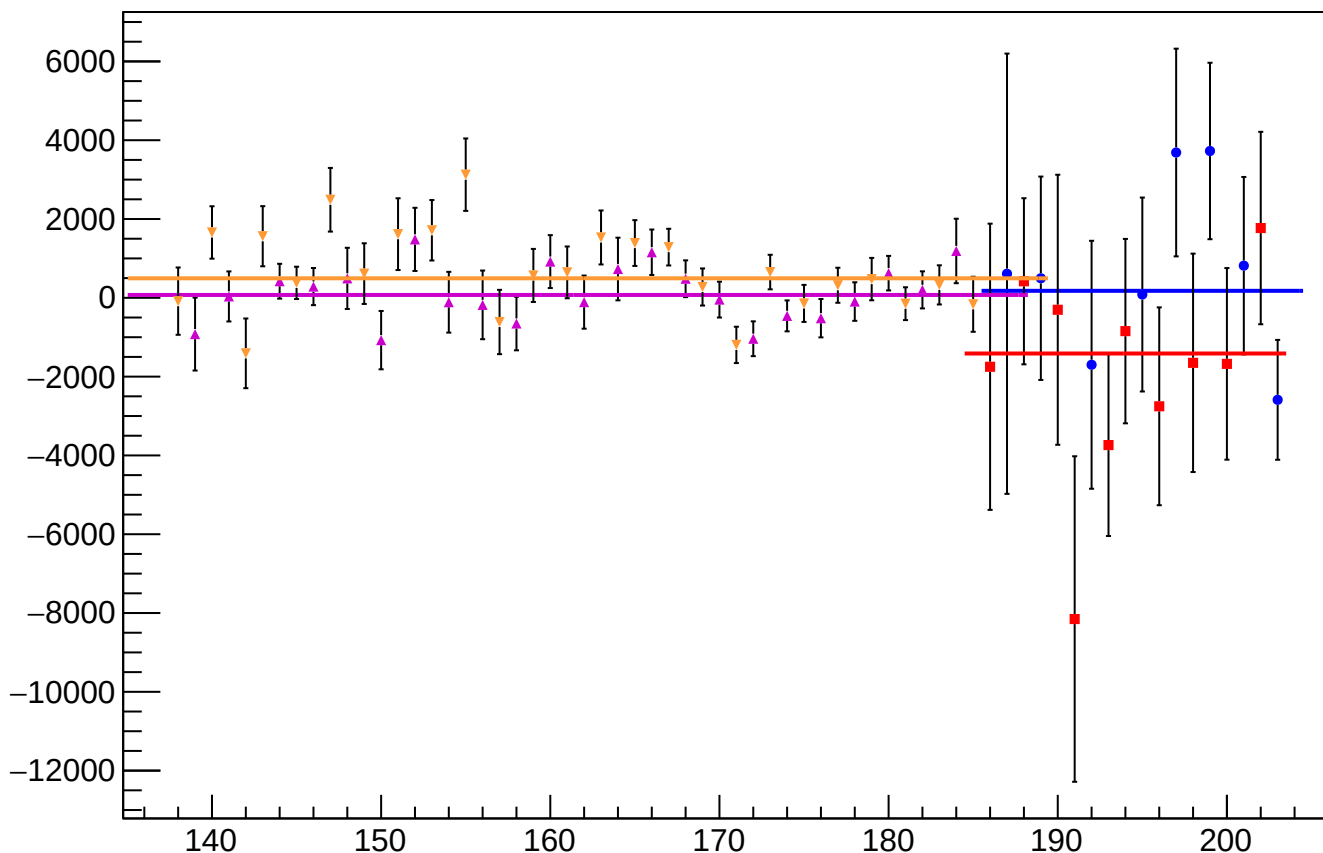
Right: 2012.500+/-0.420 χ^2/NDF : 502875.8/17

In: 500.264+/-0.082 χ^2/NDF : 7908300.9/30

Out: 506.633+/-0.081 χ^2/NDF : 10413550.1/34

All: 503.487+/-0.058 χ^2/NDF : 18324915.7/65

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 177.605 $\pm$ 838.865 χ^2 /NDF: 8.1/7

Left Out: 495.259 $\pm$ 115.521 χ^2 /NDF: 57.2/24

Right Out: -1413.133 $\pm$ 833.206 χ^2 /NDF: 6.6/9

Left In: 72.627 $\pm$ 116.927 χ^2 /NDF: 29.1/22

Left: 286.499 $\pm$ 82.178 χ^2 /NDF: 92.8/47

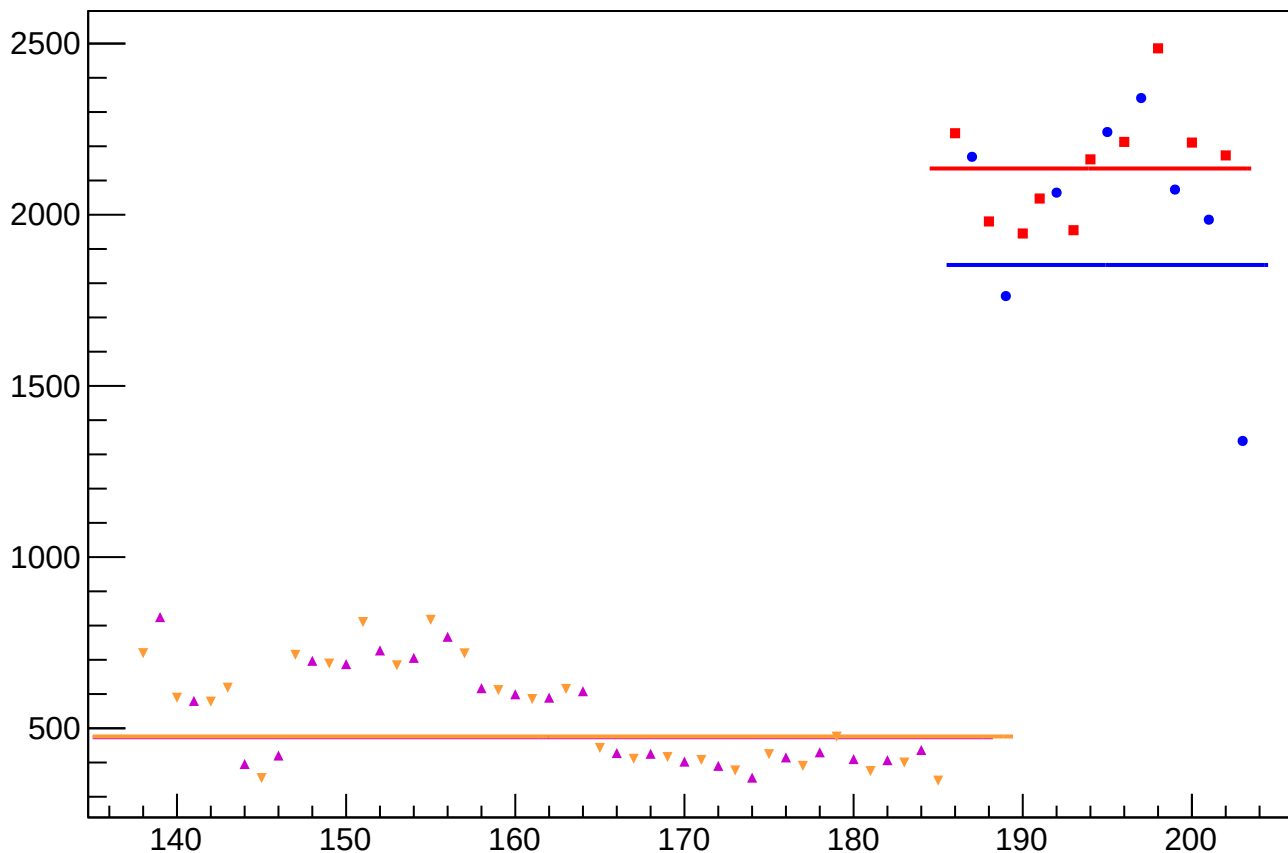
Right: -623.147 $\pm$ 591.156 χ^2 /NDF: 16.5/17

In: 74.628 $\pm$ 115.808 χ^2 /NDF: 37.1/30

Out: 459.266 $\pm$ 114.427 χ^2 /NDF: 68.9/34

All: 269.254 $\pm$ 81.396 χ^2 /NDF: 111.6/65

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1853.306 $\pm$ 0.593 χ^2 /NDF: 390707.8/7

Left Out: 476.057 $\pm$ 0.082 χ^2 /NDF: 2461838.6/24

Right Out: 2135.068 $\pm$ 0.589 χ^2 /NDF: 68277.4/9

Left In: 473.824 $\pm$ 0.083 χ^2 /NDF: 2113753.1/22

Left: 474.954 $\pm$ 0.058 χ^2 /NDF: 4575960.9/47

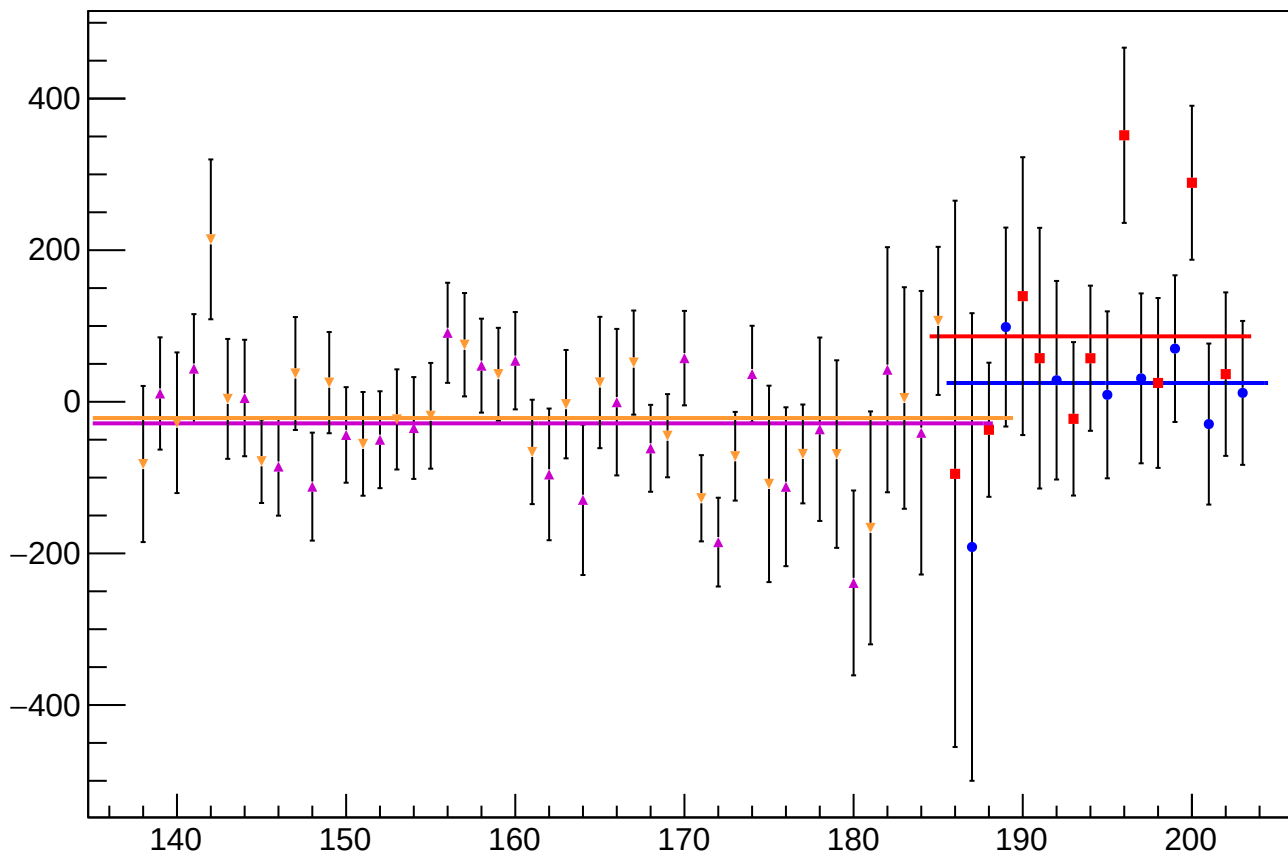
Right: 1995.140 $\pm$ 0.418 χ^2 /NDF: 572567.1/17

In: 500.115 $\pm$ 0.082 χ^2 /NDF: 7809901.3/30

Out: 507.346 $\pm$ 0.081 χ^2 /NDF: 10309664.3/34

All: 503.774 $\pm$ 0.058 χ^2 /NDF: 18123511.9/65

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 24.828 $\pm$ 40.984 χ^2 /NDF: 1.3/7

Left Out: -21.397 $\pm$ 14.800 χ^2 /NDF:20.9/24

Right Out: 86.344 $\pm$ 36.682 χ^2 /NDF: 13.3/9

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

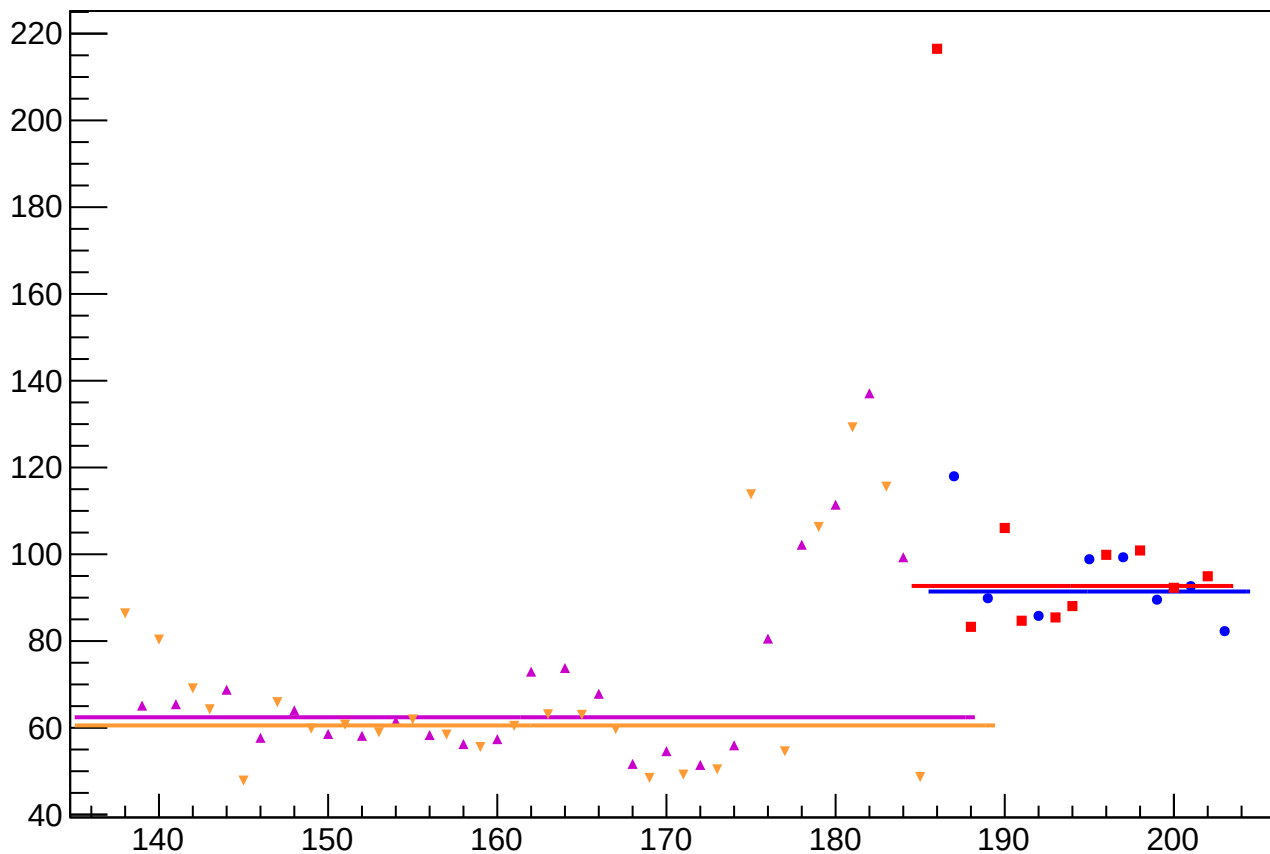
Right: 58.983 $\pm$ 27.333 χ^2 /NDF: 15.9/17

In: -21.774 $\pm$ 14.493 χ^2 /NDF:29.0/30

Out: -6.314 $\pm$ 13.725 χ^2 /NDF:41.6/34

All: -13.624 $\pm$ 9.965 χ^2 /NDF: 71.2/65

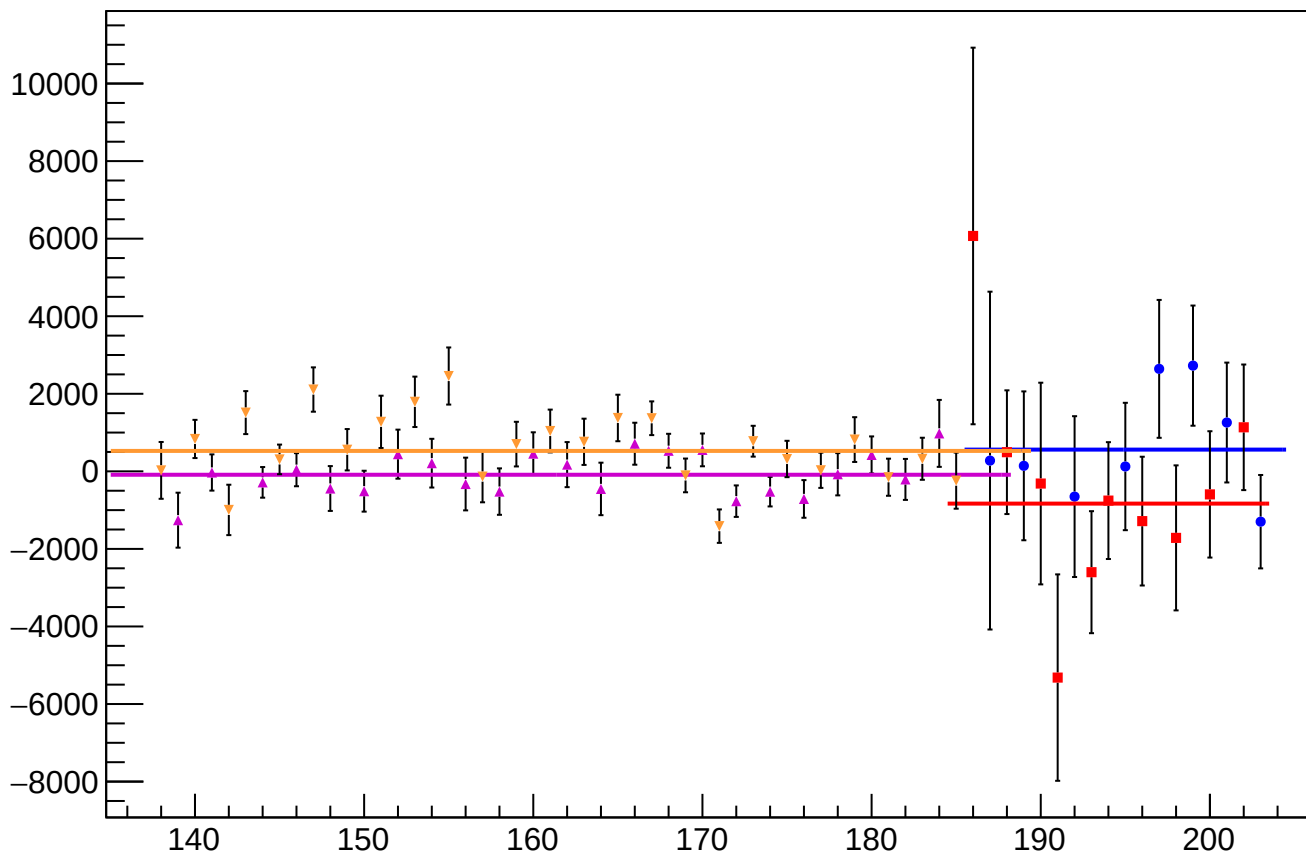
dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 91.417 ± 0.029 $\chi^2/\text{NDF}: 57389.0/7$
 Left Out: 60.551 ± 0.010 $\chi^2/\text{NDF}: 1951663.1/24$
 Right Out: 92.700 ± 0.026 $\chi^2/\text{NDF}: 307987.4/9$
 Left In: 62.435 ± 0.011 $\chi^2/\text{NDF}: 1445748.2/22$

Left: 61.450 ± 0.008 $\chi^2/\text{NDF}: 3412871.1/47$
 Right: 92.129 ± 0.019 $\chi^2/\text{NDF}: 366465.0/17$
 In: 66.059 ± 0.010 $\chi^2/\text{NDF}: 2378218.8/30$
 Out: 65.051 ± 0.010 $\chi^2/\text{NDF}: 3580835.2/34$
 All: 65.528 ± 0.007 $\chi^2/\text{NDF}: 5964147.3/65$

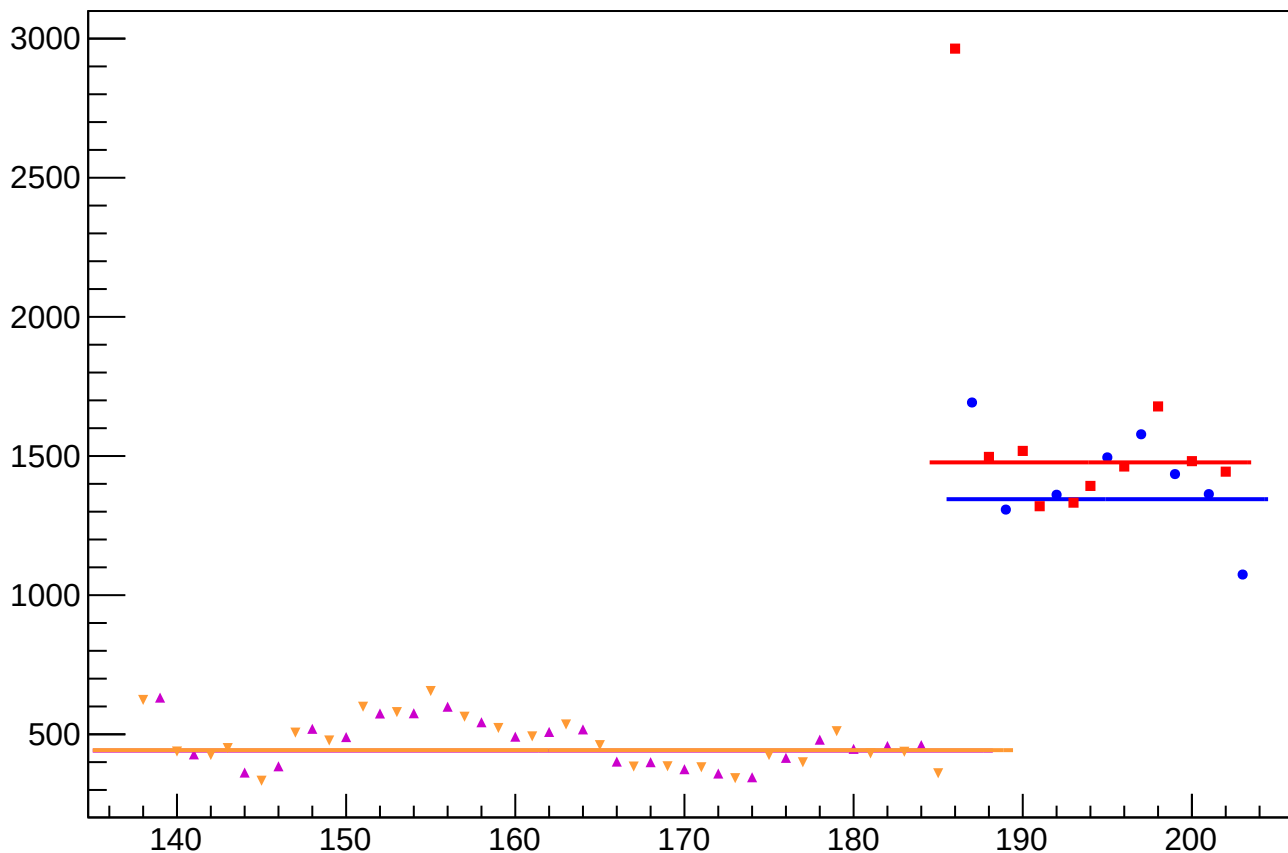
asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 560.542 $\pm$ 600.986 χ^2 /NDF: 6.4/7
 Left Out: 526.705 $\pm$ 105.414 χ^2 /NDF:65.0/24
 Right Out: -831.999 $\pm$ 579.633 χ^2 /NDF: 8.7/9
 Left In: -87.989 $\pm$ 106.843 χ^2 /NDF:22.1/22

Left: 223.494 $\pm$ 75.039 χ^2 /NDF: 103.9/47
 Right: -160.907 $\pm$ 417.207 χ^2 /NDF: 17.8/17
 In: -68.120 $\pm$ 105.193 χ^2 /NDF:29.6/30
 Out: 483.206 $\pm$ 103.713 χ^2 /NDF:79.0/34
 All: 211.449 $\pm$ 73.854 χ^2 /NDF: 122.5/65

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1344.881 $\pm$ 0.425 χ^2 /NDF: 172890.3/7

Left Out: 443.031 $\pm$ 0.075 χ^2 /NDF:1171662.6/24

Right Out: 1477.142 $\pm$ 0.410 χ^2 /NDF: 242722.2/9

Left In: 441.359 $\pm$ 0.076 χ^2 /NDF:1035839.5/22

Left: 442.206 $\pm$ 0.053 χ^2 /NDF: 2207750.3/47

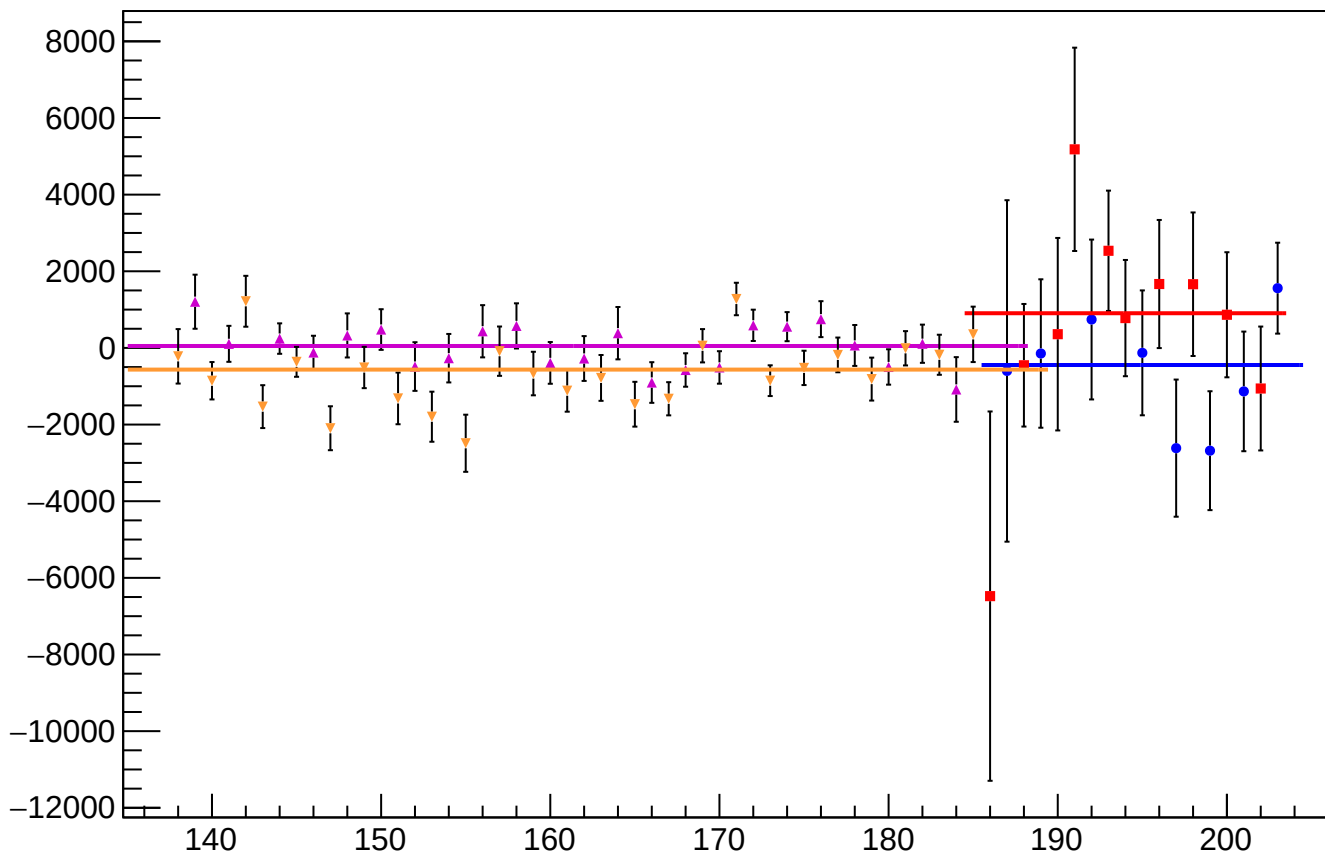
Right: 1413.403 $\pm$ 0.295 χ^2 /NDF: 465795.9/17

In: 469.040 $\pm$ 0.074 χ^2 /NDF:5590659.2/30

Out: 476.139 $\pm$ 0.073 χ^2 /NDF:7576450.8/34

All: 472.640 $\pm$ 0.052 χ^2 /NDF: 13171728.5/65

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -445.766+/-600.522 χ^2/NDF : 7.0/7

Left Out: -565.545+/-104.460 χ^2/NDF : 62.9/24

Right Out: 905.145+/-579.636 χ^2/NDF : 8.6/9

Left In: 50.387+/-106.218 χ^2/NDF : 23.3/22

Left: -262.717+/-74.478 χ^2/NDF : 103.3/47

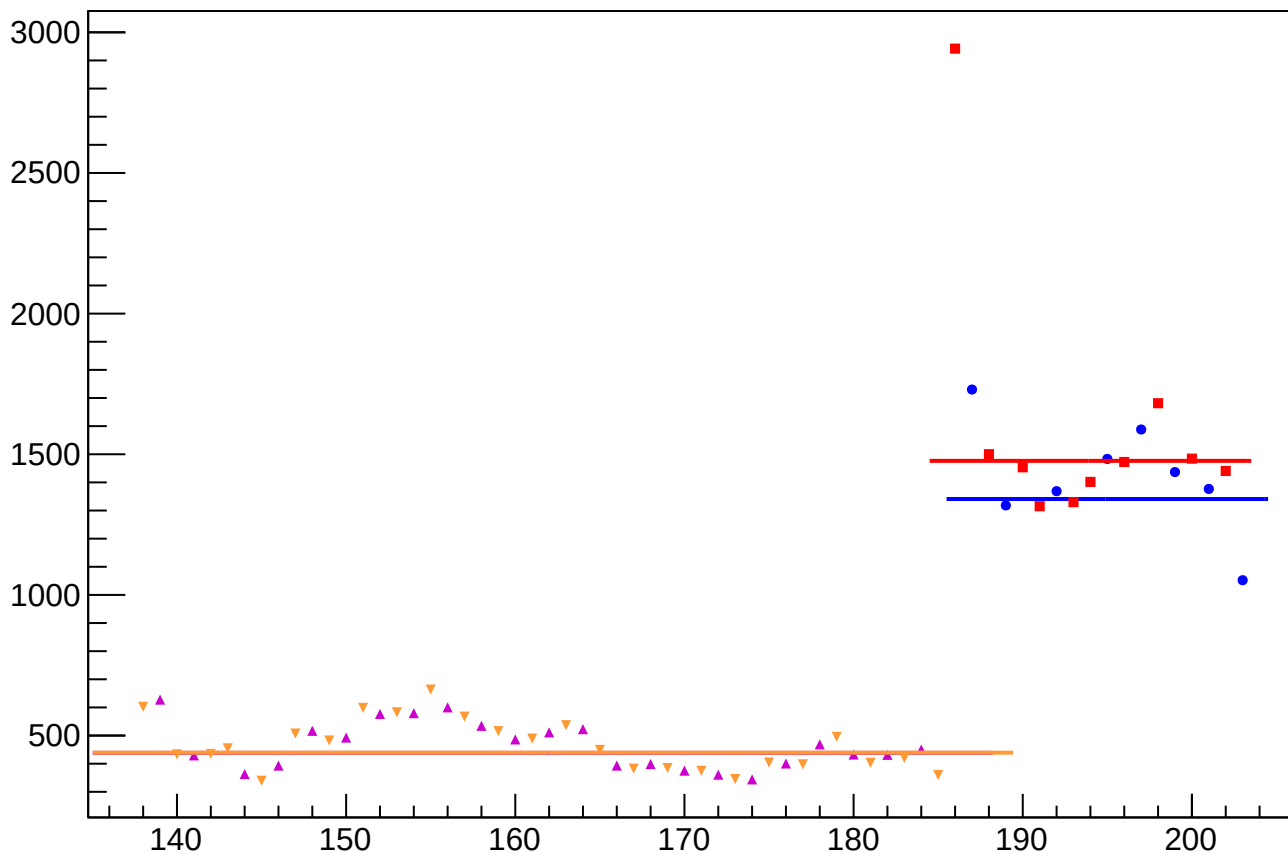
Right: 253.590+/-417.053 χ^2/NDF : 18.3/17

In: 35.336+/-104.594 χ^2/NDF : 30.9/30

Out: -519.282+/-102.804 χ^2/NDF : 77.8/34

All: -246.760+/-73.318 χ^2/NDF : 123.0/65

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 1341.000+/-0.425 χ^2/NDF : 196477.2/7

Left Out: 439.314+/-0.074 χ^2/NDF : 1164031.3/24

Right Out: 1476.562+/-0.410 χ^2/NDF : 240294.6/9

Left In: 438.365+/-0.075 χ^2/NDF : 1024661.1/22

Left: 438.847+/-0.053 χ^2/NDF : 2188773.6/47

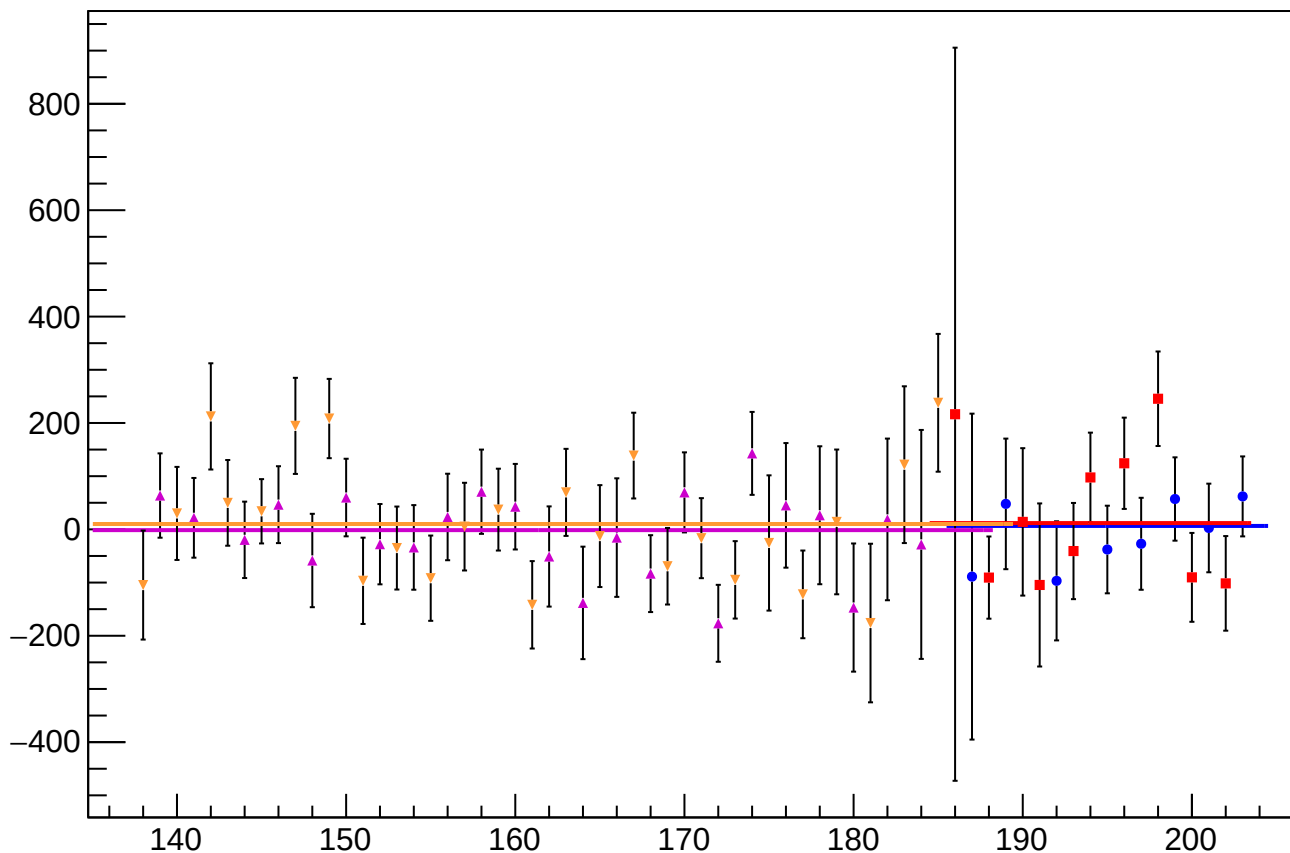
Right: 1411.180+/-0.295 χ^2/NDF : 489533.7/17

In: 465.747+/-0.074 χ^2/NDF : 5602586.8/30

Out: 471.942+/-0.073 χ^2/NDF : 7607359.3/34

All: 468.898+/-0.052 χ^2/NDF : 13213515.0/65

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 6.462 ± 32.930 $\chi^2/\text{NDF}: 2.5/7$

Left Out: 10.078 ± 17.207 $\chi^2/\text{NDF}: 38.7/24$

Right Out: 11.842 ± 30.718 $\chi^2/\text{NDF}: 15.6/9$

Left In: -1.434 ± 17.926 $\chi^2/\text{NDF}: 19.0/22$

Left: 4.557 ± 12.414 $\chi^2/\text{NDF}: 58.0/47$

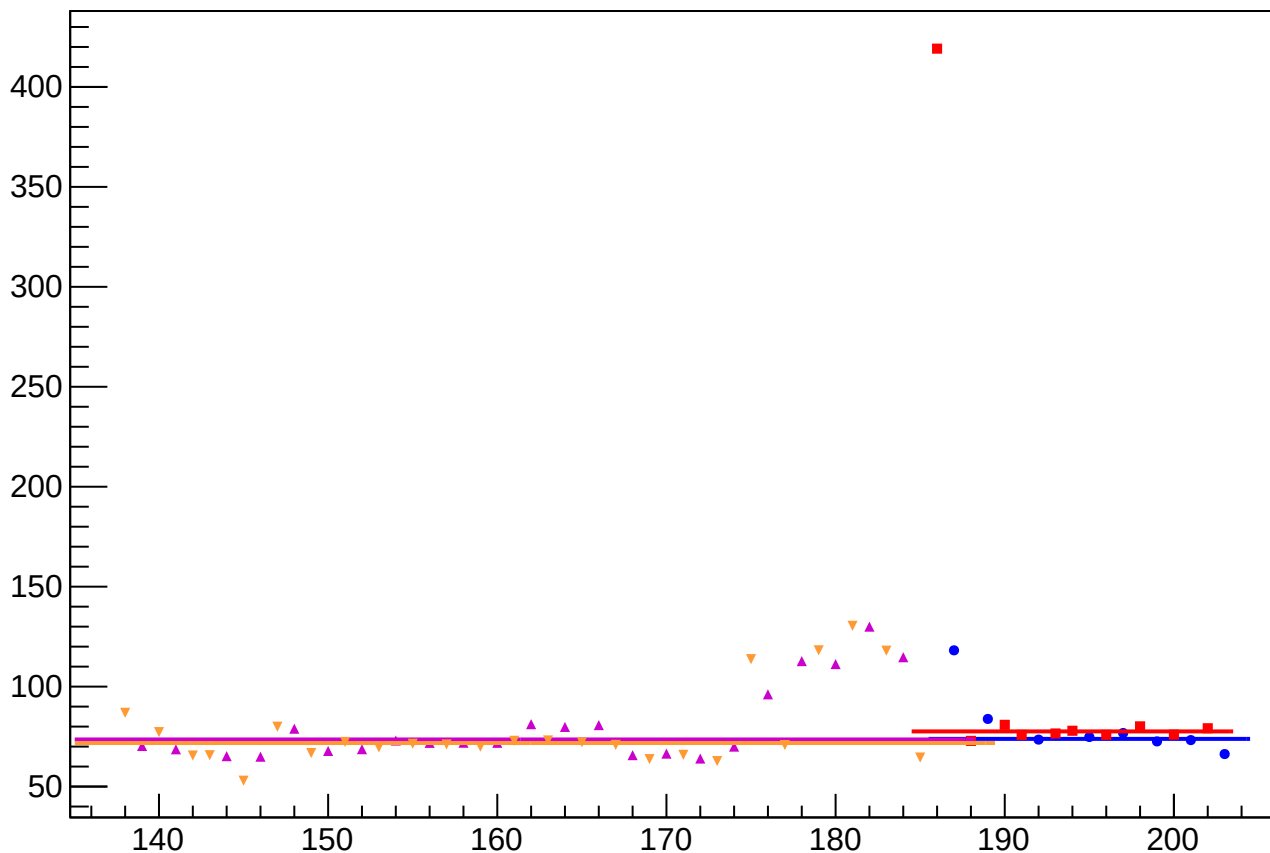
Right: 9.339 ± 22.462 $\chi^2/\text{NDF}: 18.0/17$

In: 0.371 ± 15.744 $\chi^2/\text{NDF}: 21.5/30$

Out: 10.499 ± 15.012 $\chi^2/\text{NDF}: 54.3/34$

All: 5.676 ± 10.865 $\chi^2/\text{NDF}: 76.0/65$

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.853+/-0.023 χ^2/NDF : 78644.4/7

Left Out: 71.785+/-0.012 χ^2/NDF :1325726.8/24

Right Out: 77.590+/-0.022 χ^2/NDF : 504388.9/9

Left In: 73.558+/-0.013 χ^2/NDF :1009353.9/22

Left: 72.635+/-0.009 χ^2/NDF : 2345268.8/47

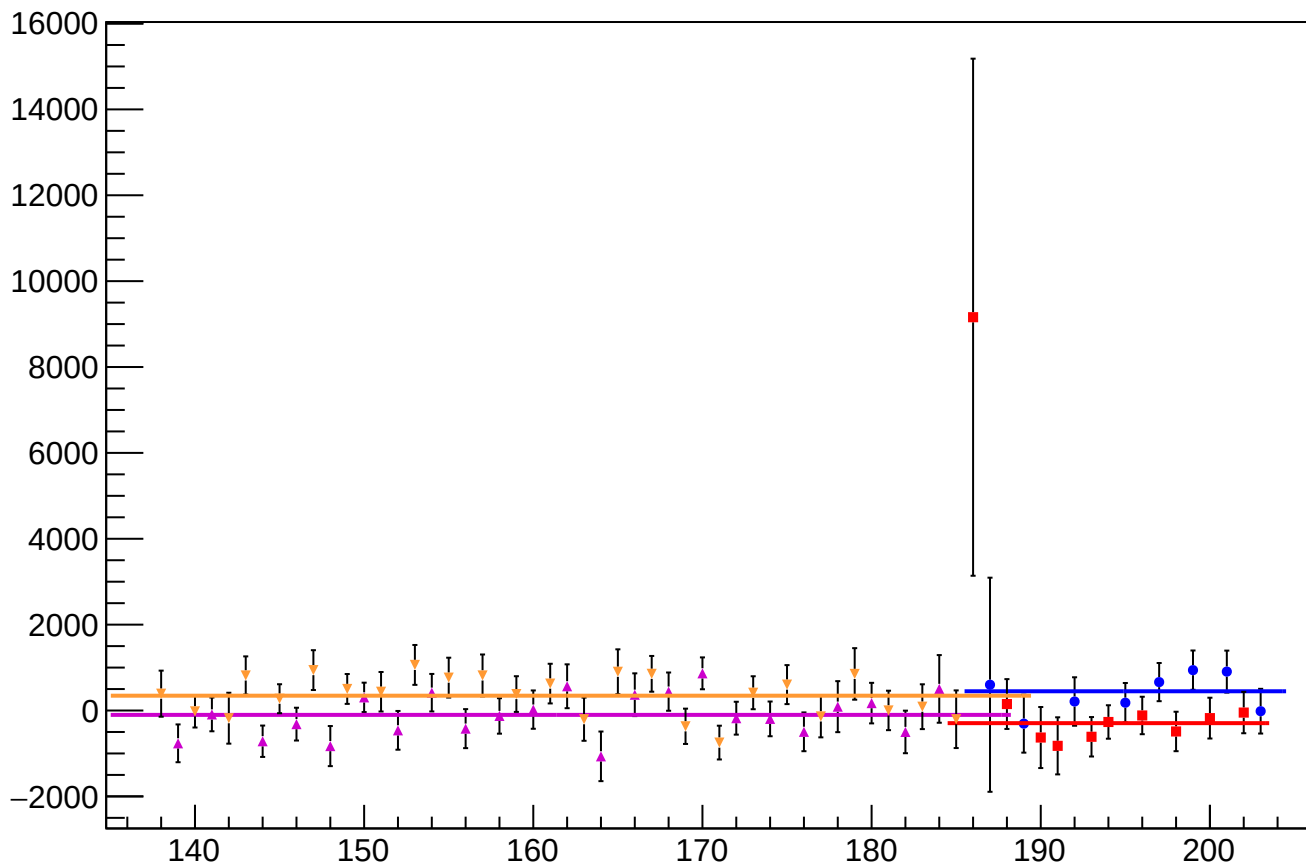
Right: 75.851+/-0.016 χ^2/NDF : 596809.2/17

In: 73.626+/-0.011 χ^2/NDF :1088121.6/30

Out: 73.171+/-0.011 χ^2/NDF :1884487.7/34

All: 73.388+/-0.008 χ^2/NDF : 2973481.3/65

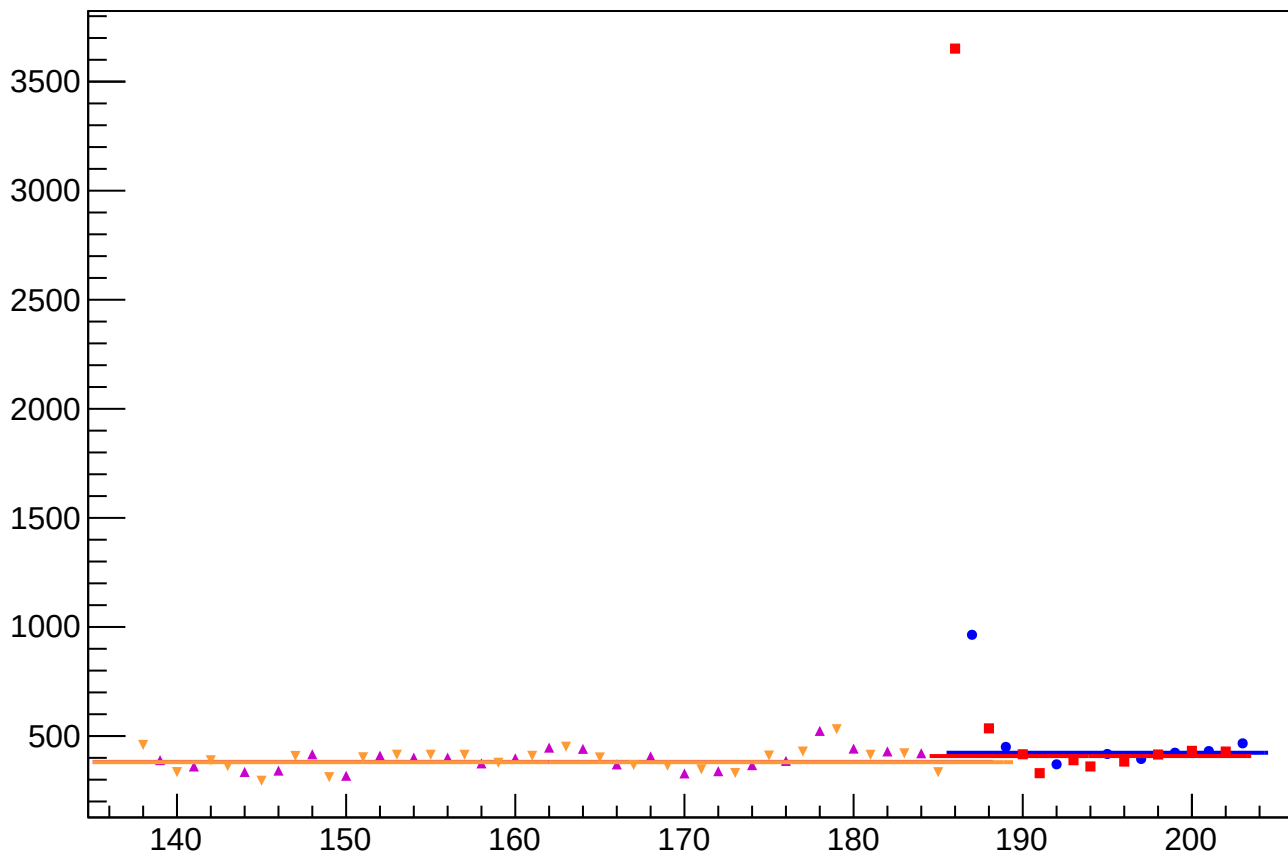
asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 448.343+/-189.147 χ^2/NDF : 4.8/7
 Left Out: 345.360+/-89.857 χ^2/NDF :27.4/24
 Right Out: -294.150+/-163.720 χ^2/NDF : 5.1/9
 Left In: -101.648+/-91.670 χ^2/NDF :28.1/22

Left: 126.320+/-64.170 χ^2/NDF : 67.5/47
 Right: 23.871+/-123.789 χ^2/NDF : 18.7/17
 In: 2.965+/-82.492 χ^2/NDF :39.7/30
 Out: 197.315+/-78.773 χ^2/NDF :44.1/34
 All: 104.621+/-56.970 χ^2/NDF : 86.8/65

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 423.405 $\pm$ 0.134 χ^2 /NDF: 137633.8/7

Left Out: 380.206 $\pm$ 0.064 χ^2 /NDF: 616620.6/24

Right Out: 408.158 $\pm$ 0.116 χ^2 /NDF: 753325.2/9

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

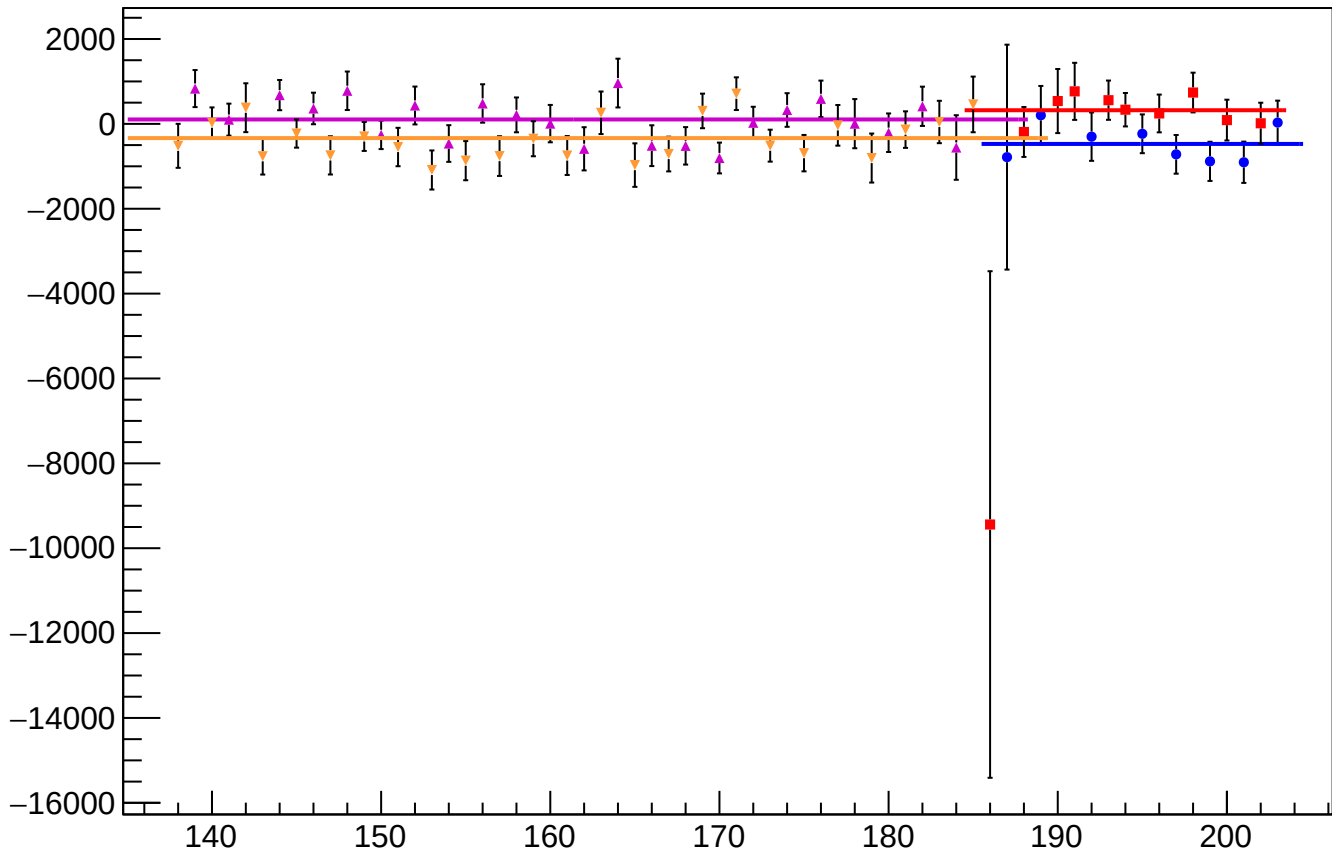
Right: 414.688 $\pm$ 0.088 χ^2 /NDF: 898388.4/17

In: 389.450 $\pm$ 0.058 χ^2 /NDF: 678247.7/30

Out: 386.677 $\pm$ 0.056 χ^2 /NDF: 1414746.6/34

All: 387.999 $\pm$ 0.040 χ^2 /NDF: 2094176.2/65

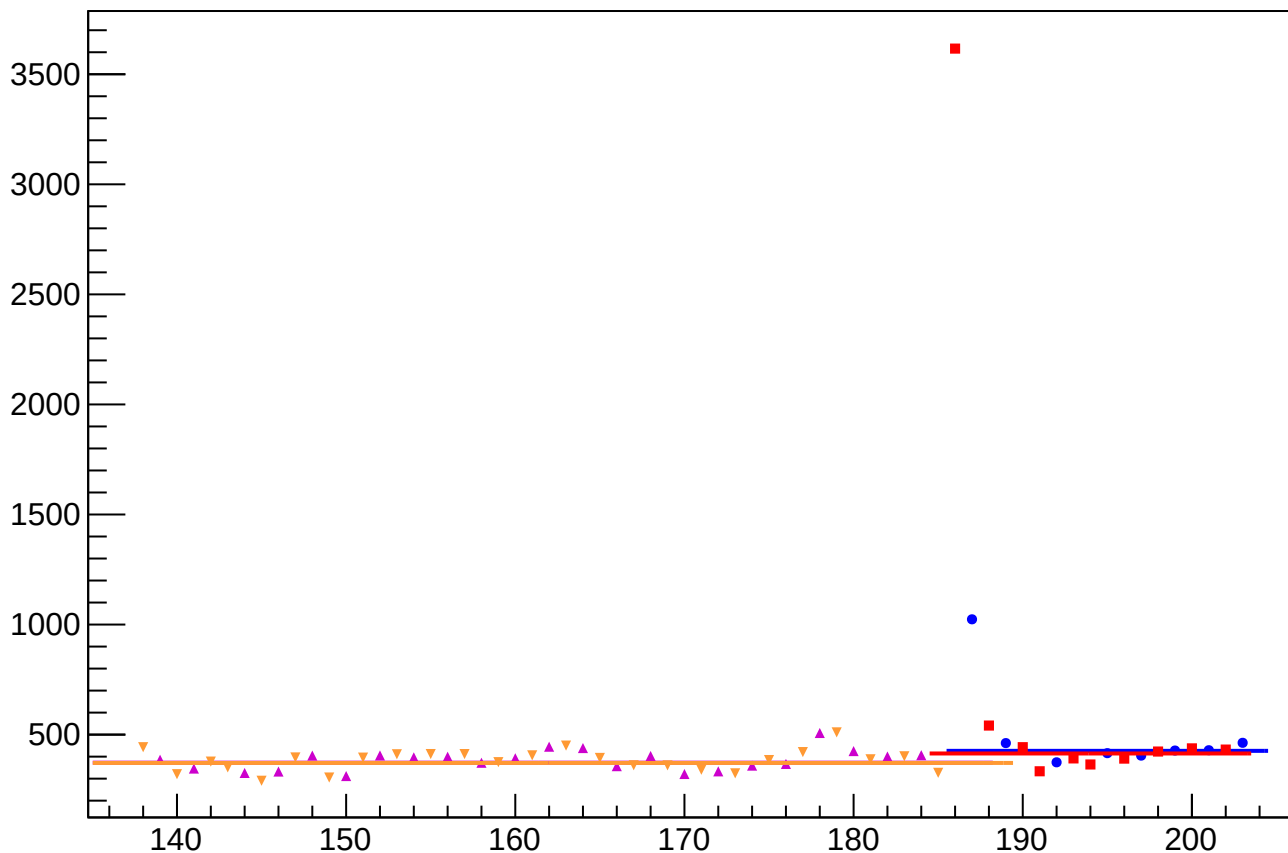
asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -472.832 ± 190.442 χ^2/NDF : 4.1/7
Left Out: -335.242 ± 87.706 χ^2/NDF : 28.3/24
Right Out: 321.322 ± 166.221 χ^2/NDF : 5.7/9
Left In: 104.117 ± 89.613 χ^2/NDF : 29.7/22

Left: -120.287 ± 62.681 χ^2/NDF : 70.2/47
Right: -22.072 ± 125.230 χ^2/NDF : 19.7/17
In: -0.473 ± 81.085 χ^2/NDF : 41.3/30
Out: -192.256 ± 77.570 χ^2/NDF : 46.2/34
All: -100.611 ± 56.052 χ^2/NDF : 90.4/65

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 426.277 $\pm$ 0.135 χ^2 /NDF: 139226.9/7

Left Out: 371.375 $\pm$ 0.062 χ^2 /NDF: 604123.3/24

Right Out: 414.342 $\pm$ 0.118 χ^2 /NDF: 750922.2/9

Left In: 372.574 $\pm$ 0.063 χ^2 /NDF: 464397.2/22

Left: 371.962 $\pm$ 0.044 χ^2 /NDF: 1068703.4/47

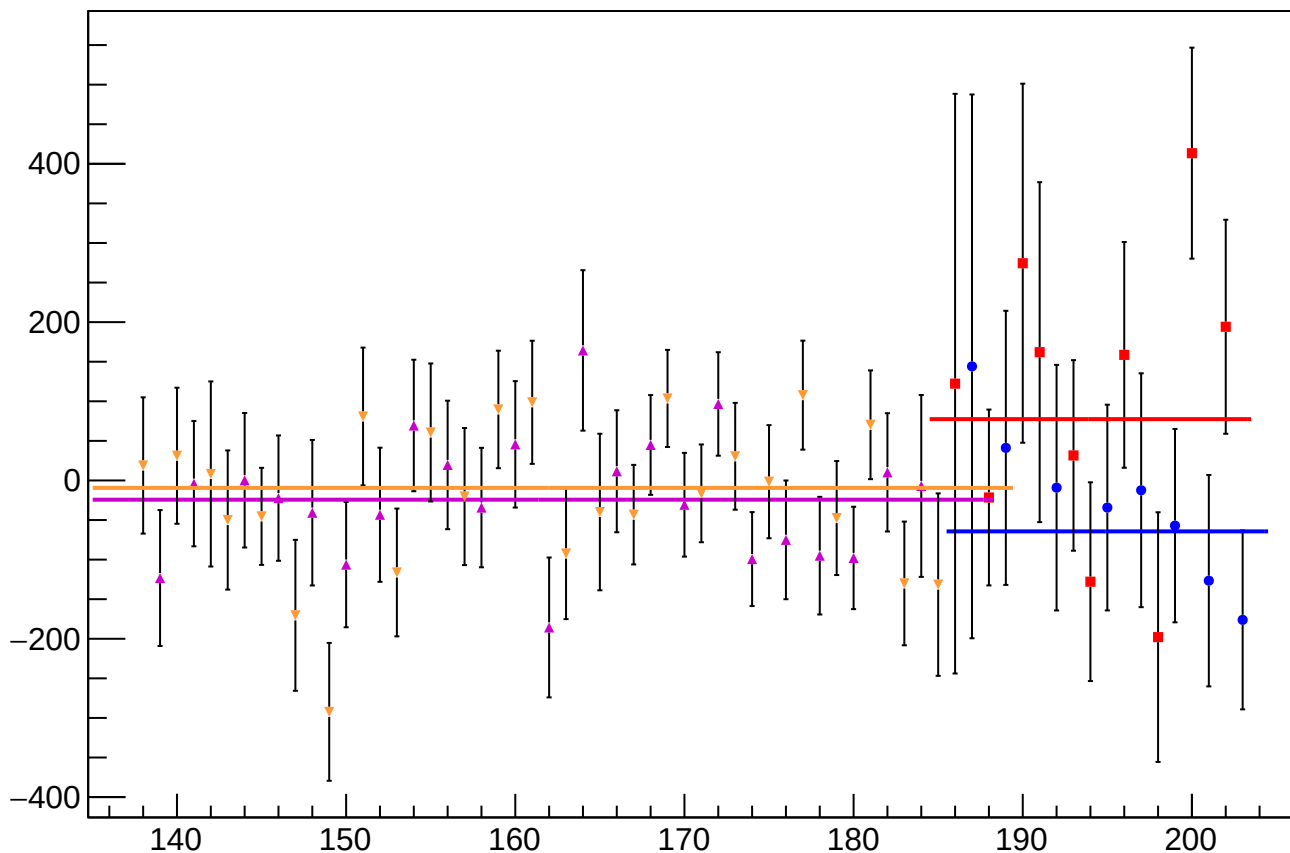
Right: 419.503 $\pm$ 0.089 χ^2 /NDF: 894608.1/17

In: 382.310 $\pm$ 0.057 χ^2 /NDF: 733831.7/30

Out: 380.732 $\pm$ 0.055 χ^2 /NDF: 1459575.4/34

All: 381.486 $\pm$ 0.040 χ^2 /NDF: 2193802.1/65

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -64.346 $\pm$ 50.651 χ^2 /NDF: 2.2/7

Left Out: -9.398 $\pm$ 15.471 χ^2 /NDF:34.7/24

Right Out: 77.469 $\pm$ 46.497 χ^2 /NDF: 15.0/9

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

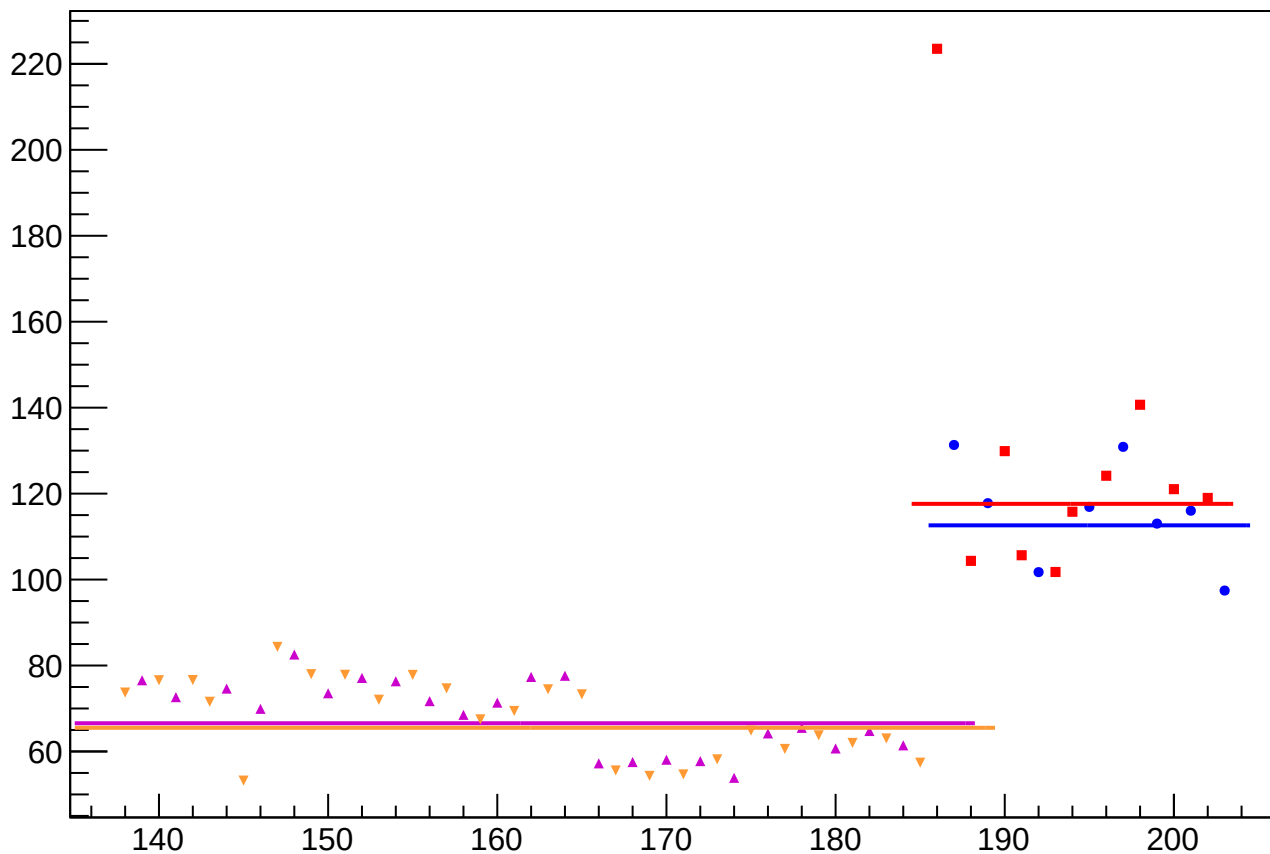
Right: 12.614 $\pm$ 34.253 χ^2 /NDF: 21.5/17

In: -27.941 $\pm$ 15.286 χ^2 /NDF:23.9/30

Out: -0.739 $\pm$ 14.680 χ^2 /NDF:52.9/34

All: -13.790 $\pm$ 10.588 χ^2 /NDF: 78.5/65

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 112.617 $\pm$ 0.036 χ^2 /NDF: 87687.5/7

Left Out: 65.512 $\pm$ 0.011 χ^2 /NDF: 666993.4/24

Right Out: 117.617 $\pm$ 0.033 χ^2 /NDF: 291489.1/9

Left In: 66.564 $\pm$ 0.011 χ^2 /NDF: 521302.1/22

Left: 66.019 $\pm$ 0.008 χ^2 /NDF: 1192752.0/47

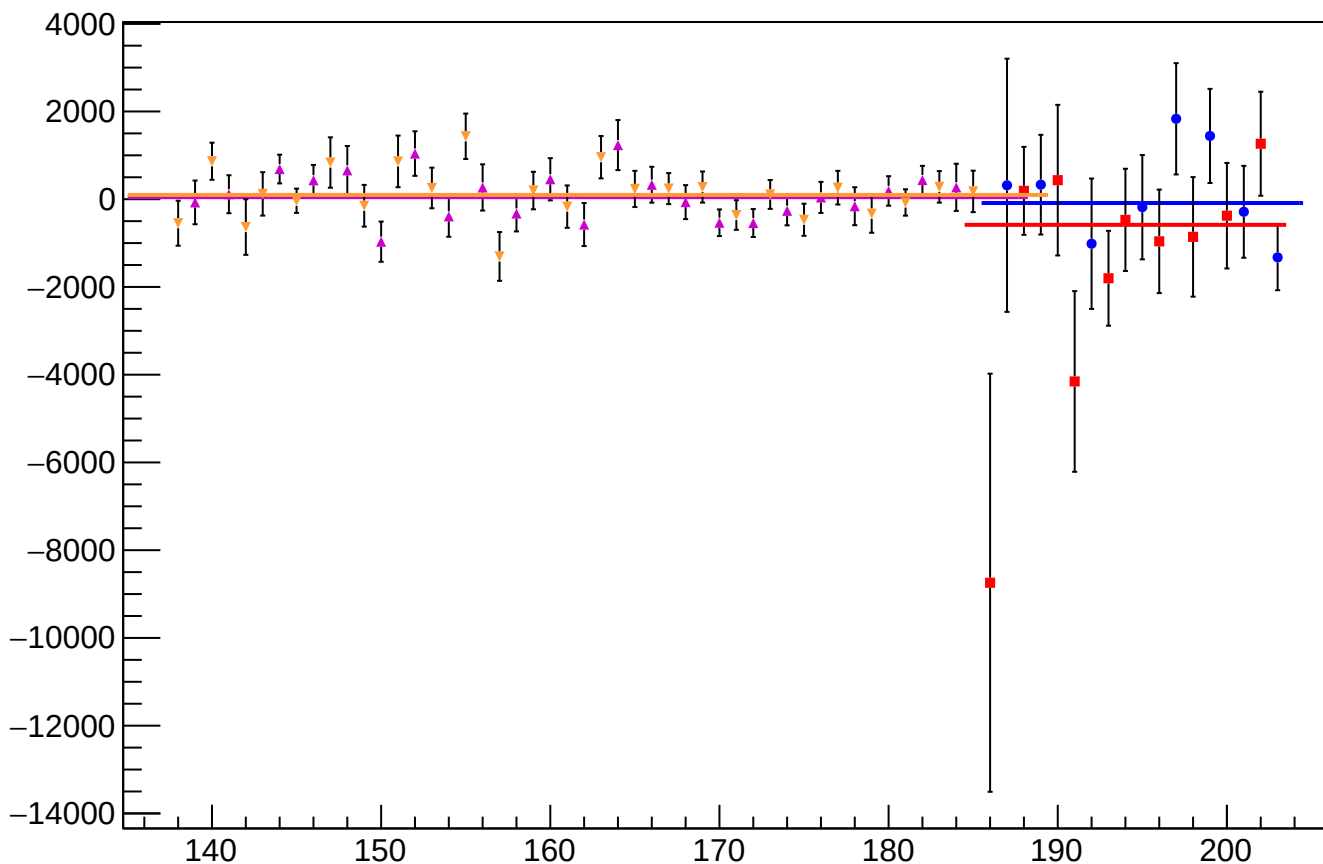
Right: 115.331 $\pm$ 0.024 χ^2 /NDF: 389755.8/17

In: 70.758 $\pm$ 0.011 χ^2 /NDF: 2111814.1/30

Out: 70.706 $\pm$ 0.010 χ^2 /NDF: 3219763.1/34

All: 70.731 $\pm$ 0.007 χ^2 /NDF: 5331589.5/65

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -86.531 ± 400.081 χ^2/NDF : 7.7/7

Left Out: 97.420 ± 82.238 χ^2/NDF : 33.3/24

Right Out: -584.293 ± 412.799 χ^2/NDF : 10.8/9

Left In: 46.660 ± 83.857 χ^2/NDF : 34.2/22

Left: 72.535 ± 58.715 χ^2/NDF : 67.7/47

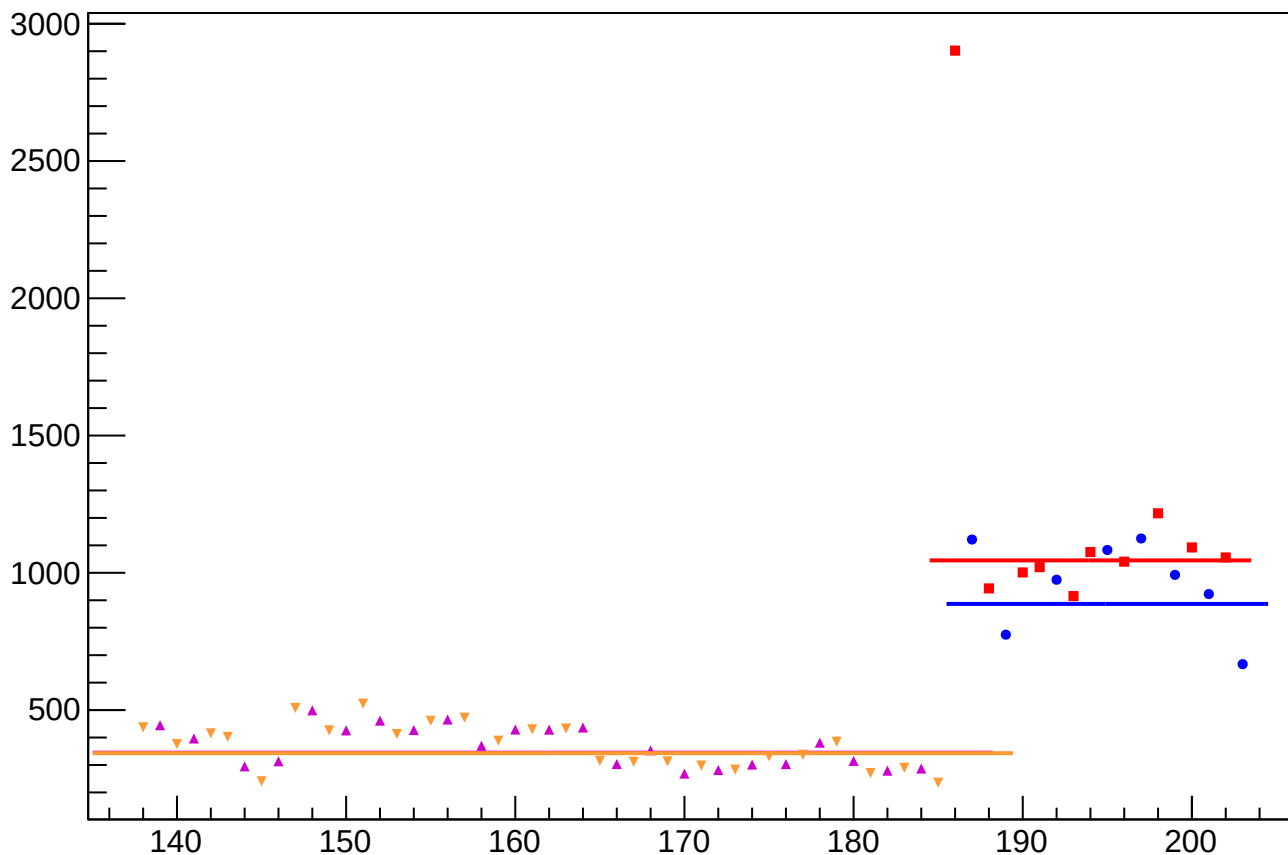
Right: -327.626 ± 287.291 χ^2/NDF : 19.2/17

In: 41.055 ± 82.074 χ^2/NDF : 42.0/30

Out: 71.397 ± 80.653 χ^2/NDF : 46.7/34

All: 56.491 ± 57.526 χ^2/NDF : 88.8/65

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 886.726+/-0.283 χ^2/NDF : 359250.1/7

Left Out: 342.995+/-0.058 χ^2/NDF :1665121.0/24

Right Out: 1045.245+/-0.292 χ^2/NDF : 391378.8/9

Left In: 344.818+/-0.059 χ^2/NDF :1264545.0/22

Left: 343.889+/-0.042 χ^2/NDF : 2930147.7/47

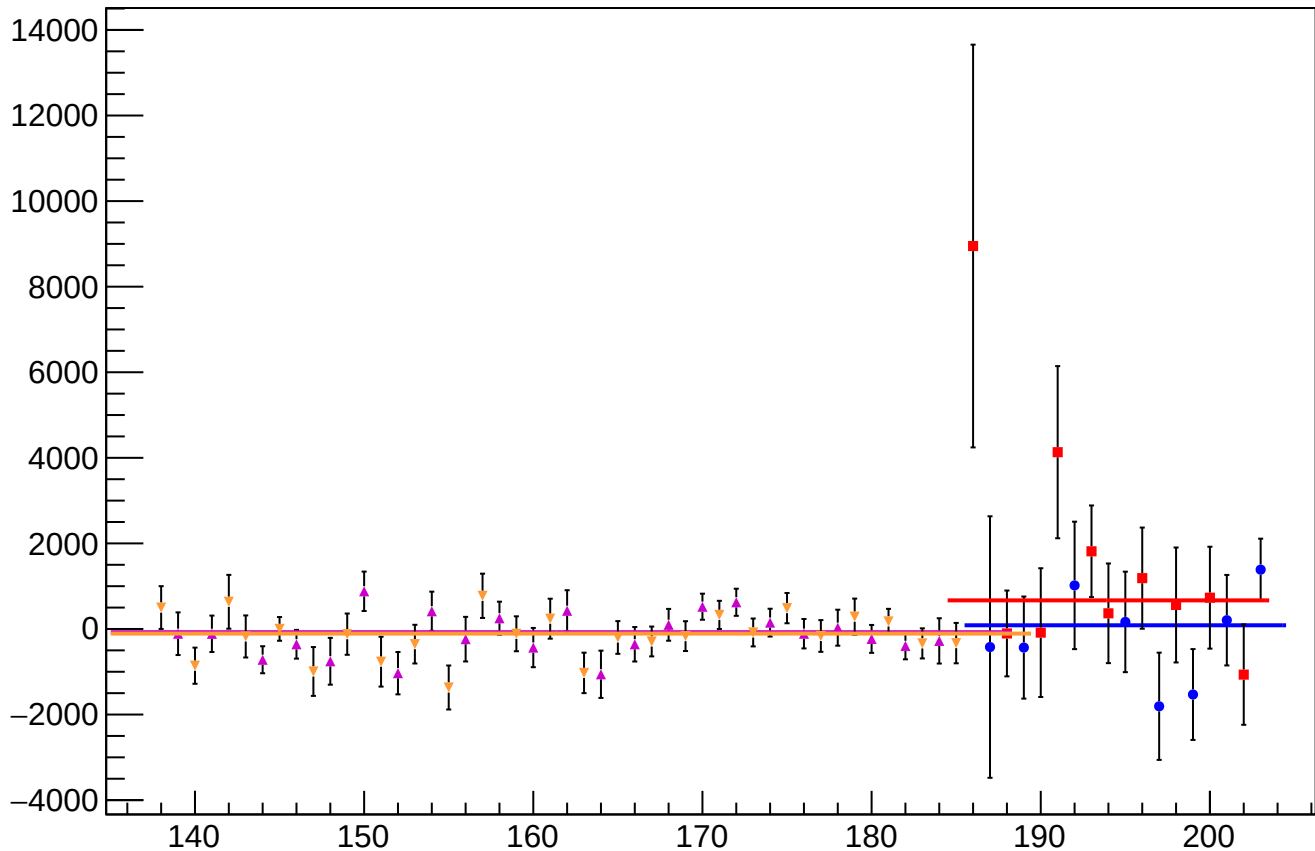
Right: 963.506+/-0.203 χ^2/NDF : 902706.2/17

In: 367.624+/-0.058 χ^2/NDF :5138690.6/30

Out: 369.803+/-0.057 χ^2/NDF :7623641.8/34

All: 368.732+/-0.041 χ^2/NDF : 12763049.6/65

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 86.296 ± 398.077 $\chi^2/\text{NDF}: 8.5/7$

Left Out: -108.037 ± 80.579 $\chi^2/\text{NDF}: 30.9/24$

Right Out: 668.471 ± 406.941 $\chi^2/\text{NDF}: 10.5/9$

Left In: -74.986 ± 81.949 $\chi^2/\text{NDF}: 32.7/22$

Left: -91.790 ± 57.456 $\chi^2/\text{NDF}: 63.6/47$

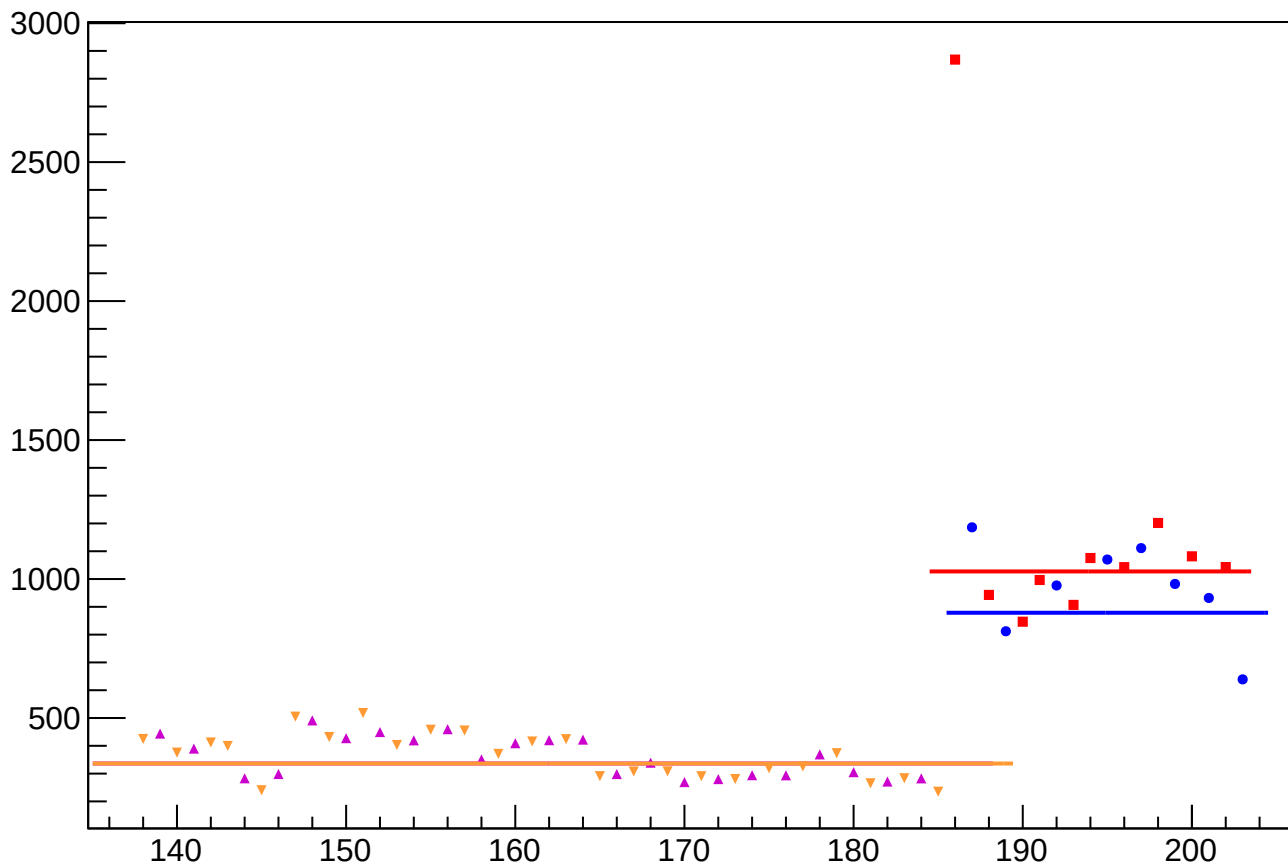
Right: 370.973 ± 284.565 $\chi^2/\text{NDF}: 20.0/17$

In: -68.429 ± 80.266 $\chi^2/\text{NDF}: 41.3/30$

Out: -78.739 ± 79.045 $\chi^2/\text{NDF}: 44.9/34$

All: -73.663 ± 56.320 $\chi^2/\text{NDF}: 86.2/65$

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 878.682 $\pm$ 0.281 χ^2 /NDF: 400351.6/7

Left Out: 336.231 $\pm$ 0.057 χ^2 /NDF: 1659693.0/24

Right Out: 1027.307 $\pm$ 0.288 χ^2 /NDF: 417022.0/9

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

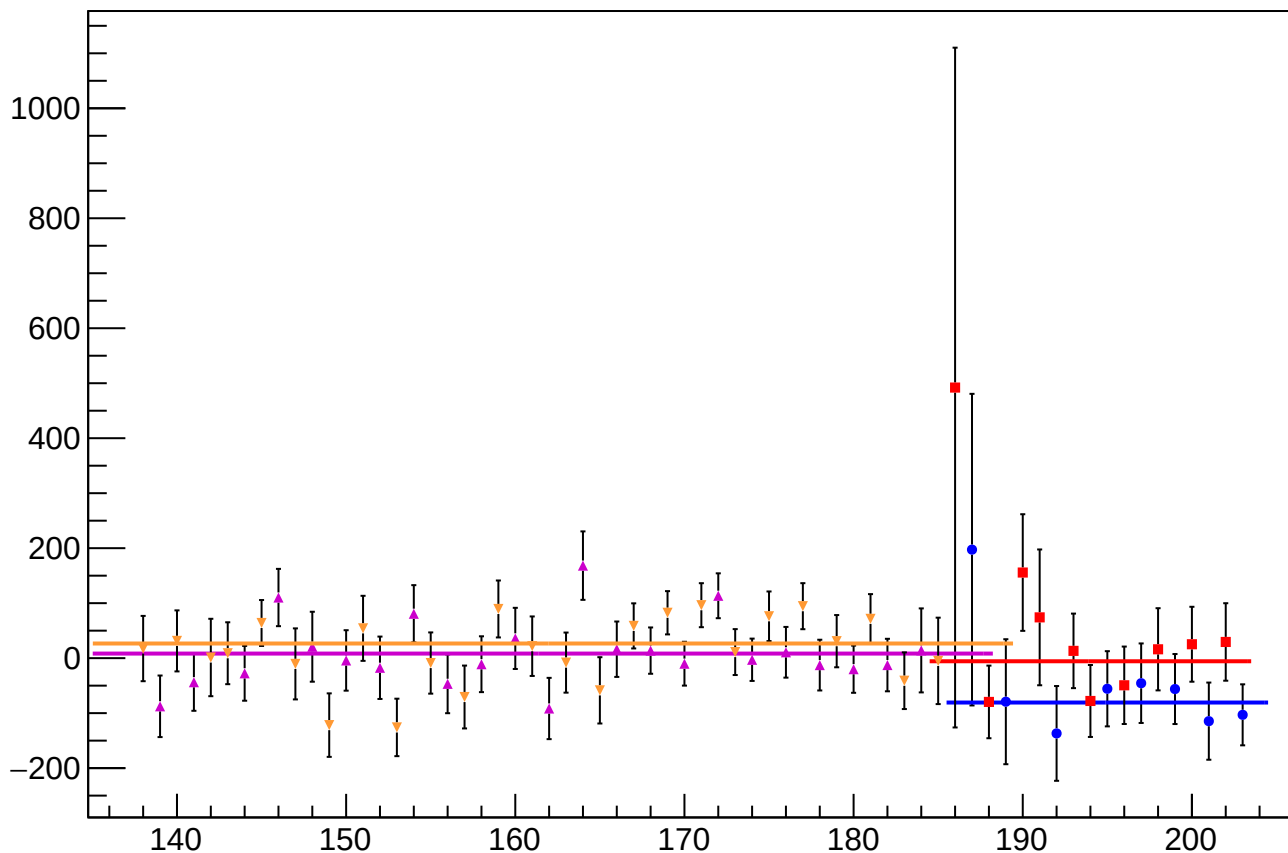
Right: 951.358 $\pm$ 0.201 χ^2 /NDF: 953699.7/17

In: 358.443 $\pm$ 0.057 χ^2 /NDF: 5230579.6/30

Out: 362.305 $\pm$ 0.056 χ^2 /NDF: 7627001.0/34

All: 360.404 $\pm$ 0.040 χ^2 /NDF: 12859930.6/65

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -80.709 ± 26.686 χ^2/NDF : 2.3/7

Left Out: 26.633 ± 10.090 χ^2/NDF : 36.5/24

Right Out: -5.660 ± 24.729 χ^2/NDF : 6.9/9

Left In: 8.325 ± 10.361 χ^2/NDF : 29.6/22

Left: 17.721 ± 7.229 χ^2/NDF : 67.7/47

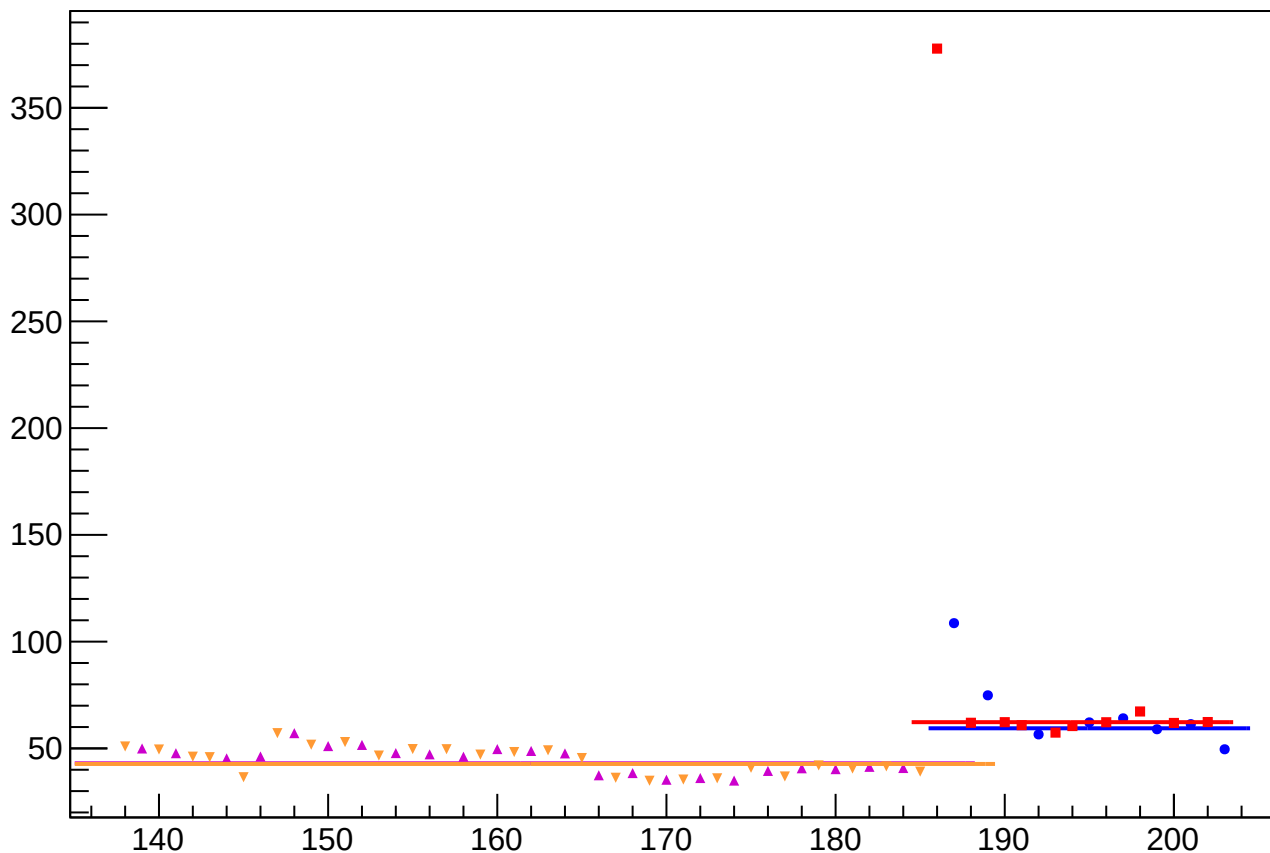
Right: -40.331 ± 18.139 χ^2/NDF : 13.4/17

In: -3.337 ± 9.658 χ^2/NDF : 41.6/30

Out: 22.024 ± 9.342 χ^2/NDF : 44.8/34

All: 9.765 ± 6.715 χ^2/NDF : 89.9/65

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 59.415 $\pm$ 0.019 χ^2 /NDF: 175497.6/7

Left Out: 42.716 $\pm$ 0.007 χ^2 /NDF: 771558.7/24

Right Out: 62.284 $\pm$ 0.017 χ^2 /NDF: 542159.5/9

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

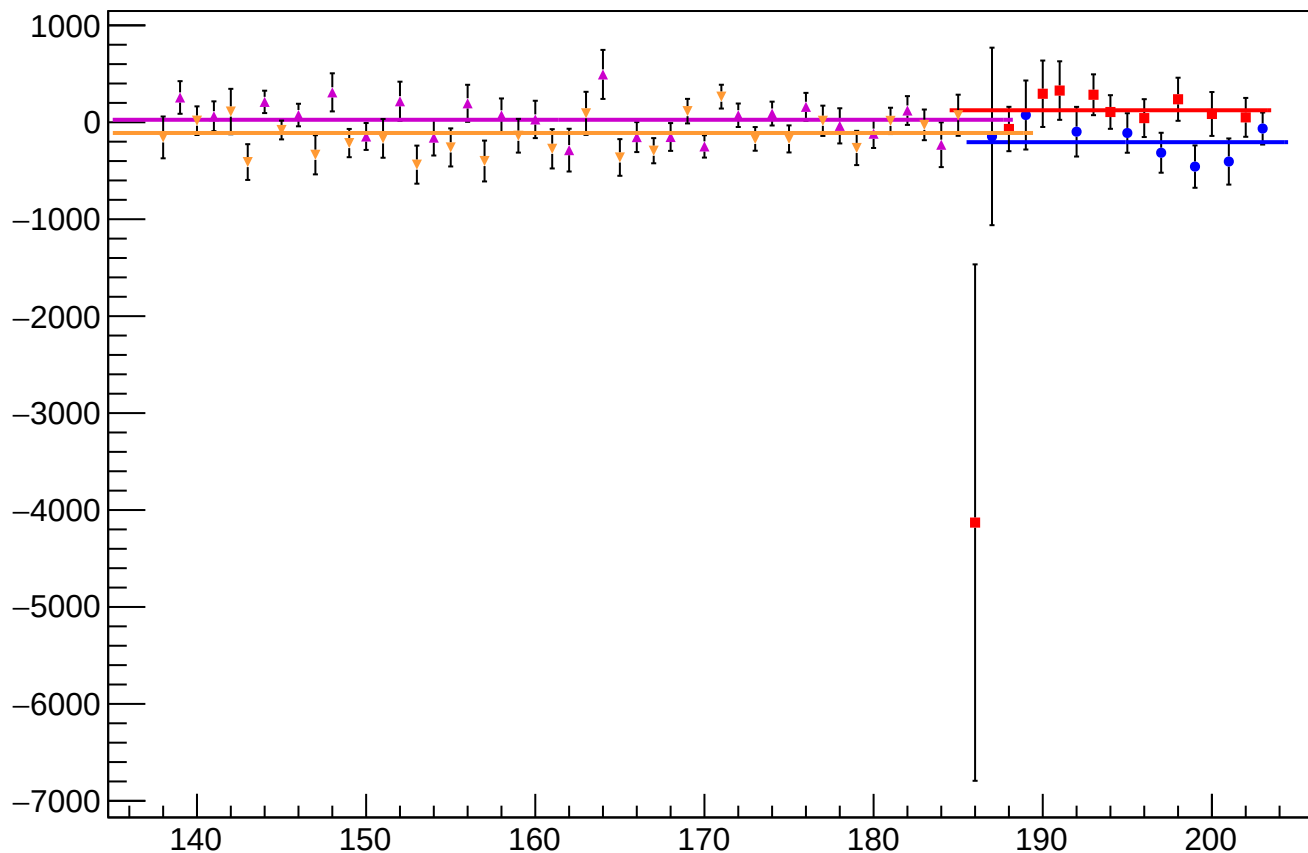
Right: 60.959 $\pm$ 0.013 χ^2 /NDF: 730093.3/17

In: 45.169 $\pm$ 0.007 χ^2 /NDF: 1474020.1/30

Out: 45.509 $\pm$ 0.007 χ^2 /NDF: 2387352.7/34

All: 45.344 $\pm$ 0.005 χ^2 /NDF: 3862654.0/65

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -205.154 ± 82.433 $\chi^2/\text{NDF}: 4.1/7$

Left Out: -110.340 ± 31.717 $\chi^2/\text{NDF}: 33.0/24$

Right Out: 124.035 ± 73.461 $\chi^2/\text{NDF}: 5.1/9$

Left In: 25.828 ± 32.100 $\chi^2/\text{NDF}: 29.0/22$

Left: -43.073 ± 22.561 $\chi^2/\text{NDF}: 71.1/47$

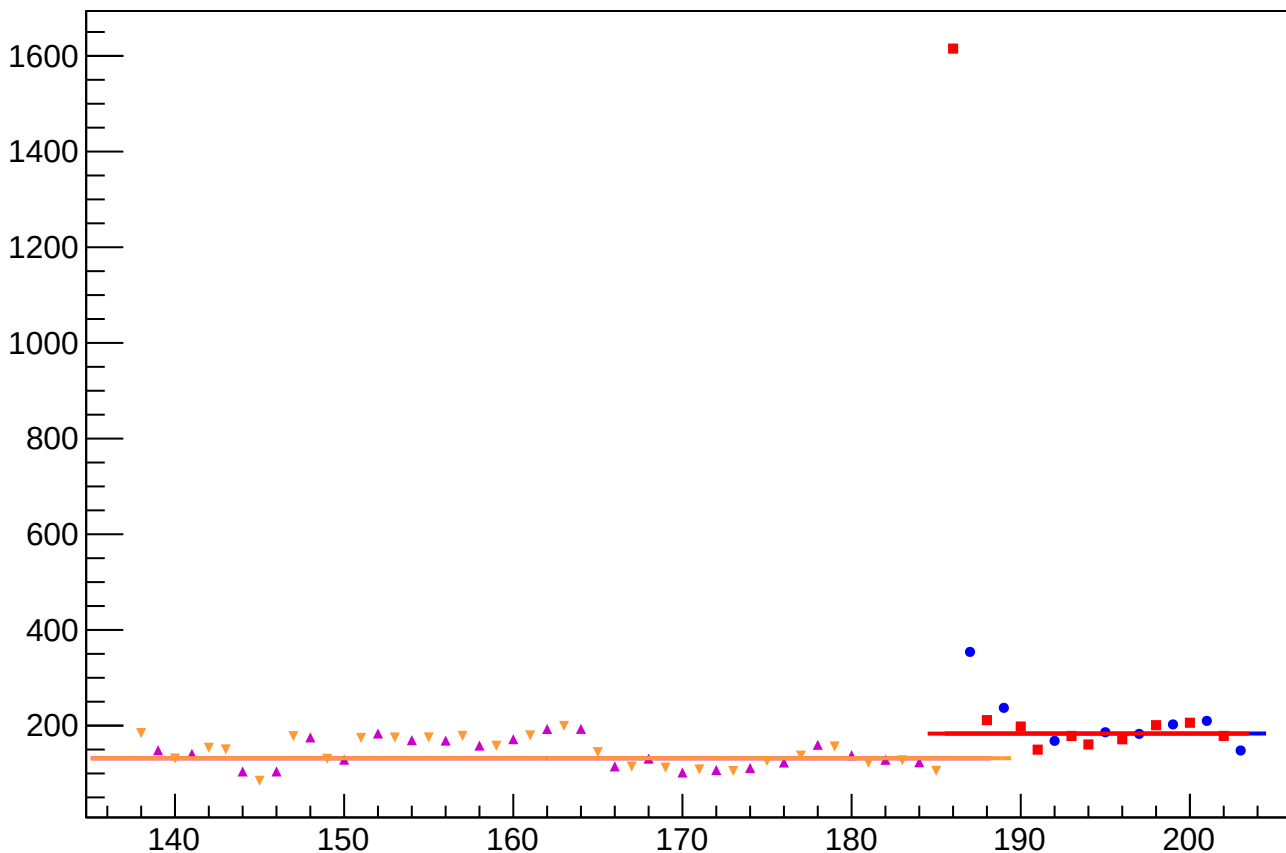
Right: -21.676 ± 54.843 $\chi^2/\text{NDF}: 18.1/17$

In: -4.586 ± 29.912 $\chi^2/\text{NDF}: 39.9/30$

Out: -73.515 ± 29.119 $\chi^2/\text{NDF}: 46.7/34$

All: -39.976 ± 20.865 $\chi^2/\text{NDF}: 89.3/65$

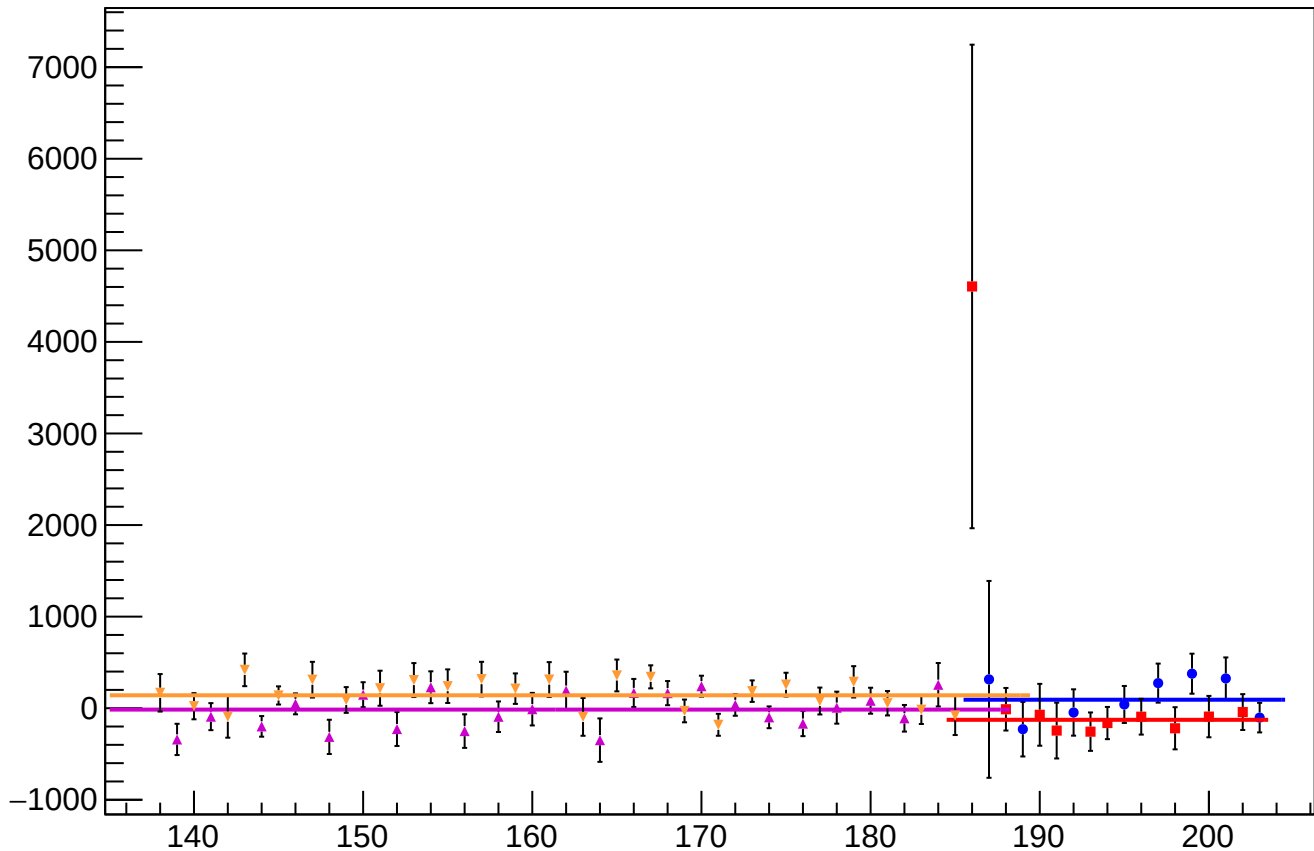
asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 183.515 $\pm$ 0.058 χ^2 /NDF: 254675.9/7
 Left Out: 131.875 $\pm$ 0.022 χ^2 /NDF:1806379.2/24
 Right Out: 183.336 $\pm$ 0.052 χ^2 /NDF: 712891.5/9
 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: 183.415 $\pm$ 0.039 χ^2 /NDF: 967572.7/17
 In: 138.461 $\pm$ 0.021 χ^2 /NDF:2346394.0/30
 Out: 139.960 $\pm$ 0.021 χ^2 /NDF:3346540.1/34
 All: 139.231 $\pm$ 0.015 χ^2 /NDF: 5695513.2/65

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 92.639 $\pm$ 80.975 χ^2 /NDF: 6.5/7

Left Out: 141.008 $\pm$ 30.636 χ^2 /NDF:27.1/24

Right Out: -126.748 $\pm$ 73.712 χ^2 /NDF: 4.5/9

Left In: -15.199 $\pm$ 31.033 χ^2 /NDF:31.4/22

Left: 63.911 $\pm$ 21.802 χ^2 /NDF: 71.3/47

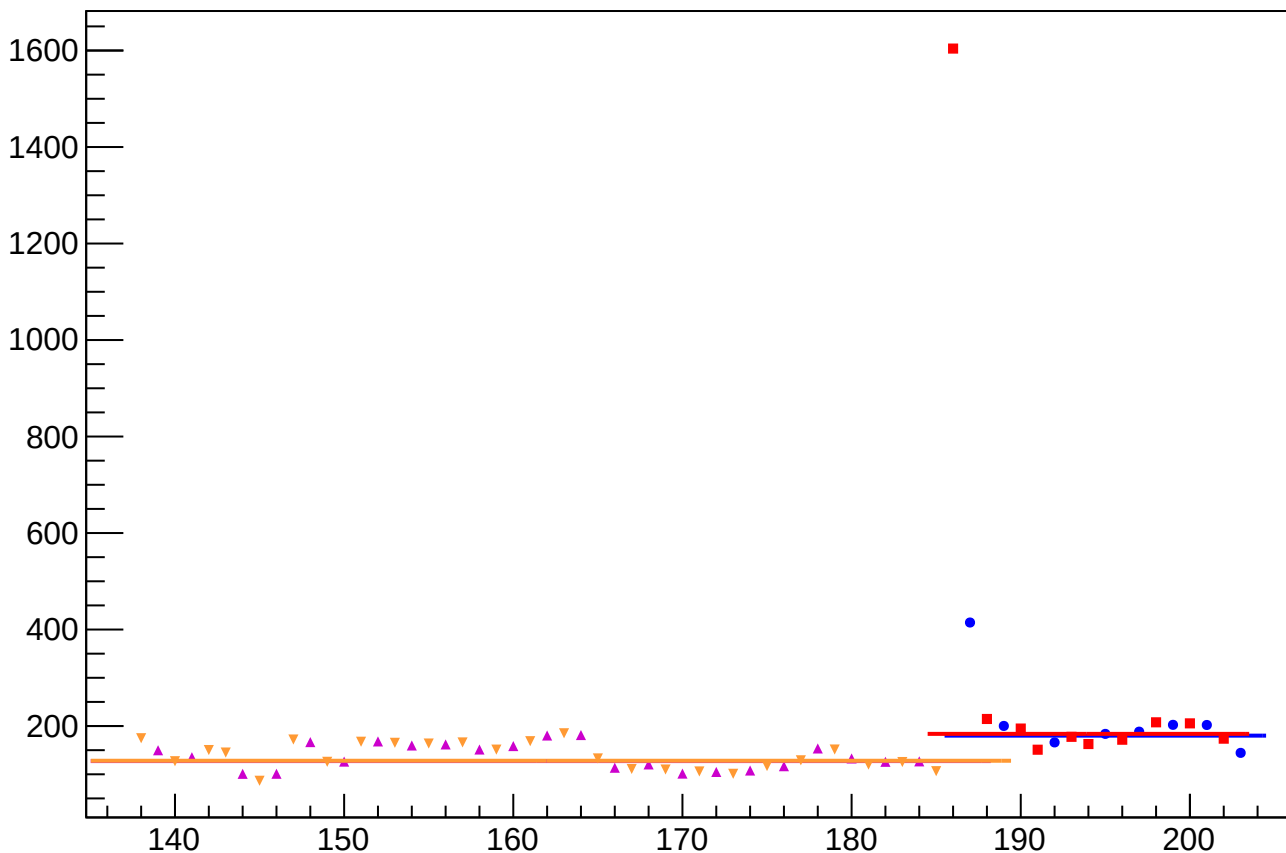
Right: -27.332 $\pm$ 54.510 χ^2 /NDF: 15.0/17

In: -1.389 $\pm$ 28.978 χ^2 /NDF:39.4/30

Out: 101.570 $\pm$ 28.290 χ^2 /NDF:42.8/34

All: 51.328 $\pm$ 20.243 χ^2 /NDF: 88.7/65

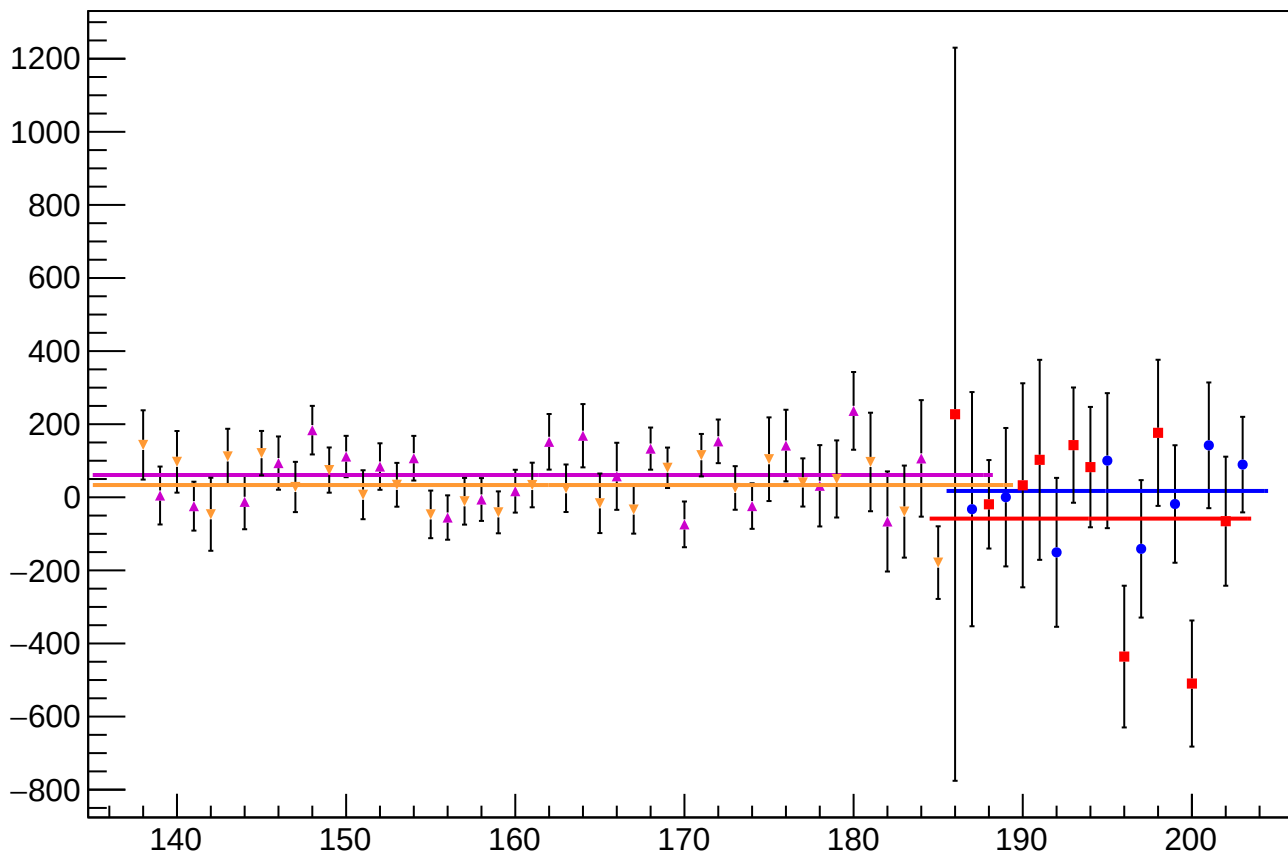
asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 180.119+/-0.057 χ^2/NDF : 251381.0/7
 Left Out: 128.060+/-0.022 χ^2/NDF : 1530283.7/24
 Right Out: 183.771+/-0.052 χ^2/NDF : 722887.1/9
 Left In: 127.380+/-0.022 χ^2/NDF : 1229899.0/22

Left: 127.724+/-0.015 χ^2/NDF : 2760669.0/47
 Right: 182.116+/-0.039 χ^2/NDF : 976493.8/17
 In: 134.134+/-0.020 χ^2/NDF : 2221014.3/30
 Out: 136.265+/-0.020 χ^2/NDF : 3227370.5/34
 All: 135.225+/-0.014 χ^2/NDF : 5453926.7/65

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 17.350 $\pm$ 63.204 χ^2 /NDF: 2.5/7

Left Out: 33.535 $\pm$ 14.197 χ^2 /NDF:19.7/24

Right Out: -58.333 $\pm$ 58.743 χ^2 /NDF: 15.0/9

Left In: 60.992 $\pm$ 14.839 χ^2 /NDF:31.6/22

Left: 46.656 $\pm$ 10.258 χ^2 /NDF: 53.0/47

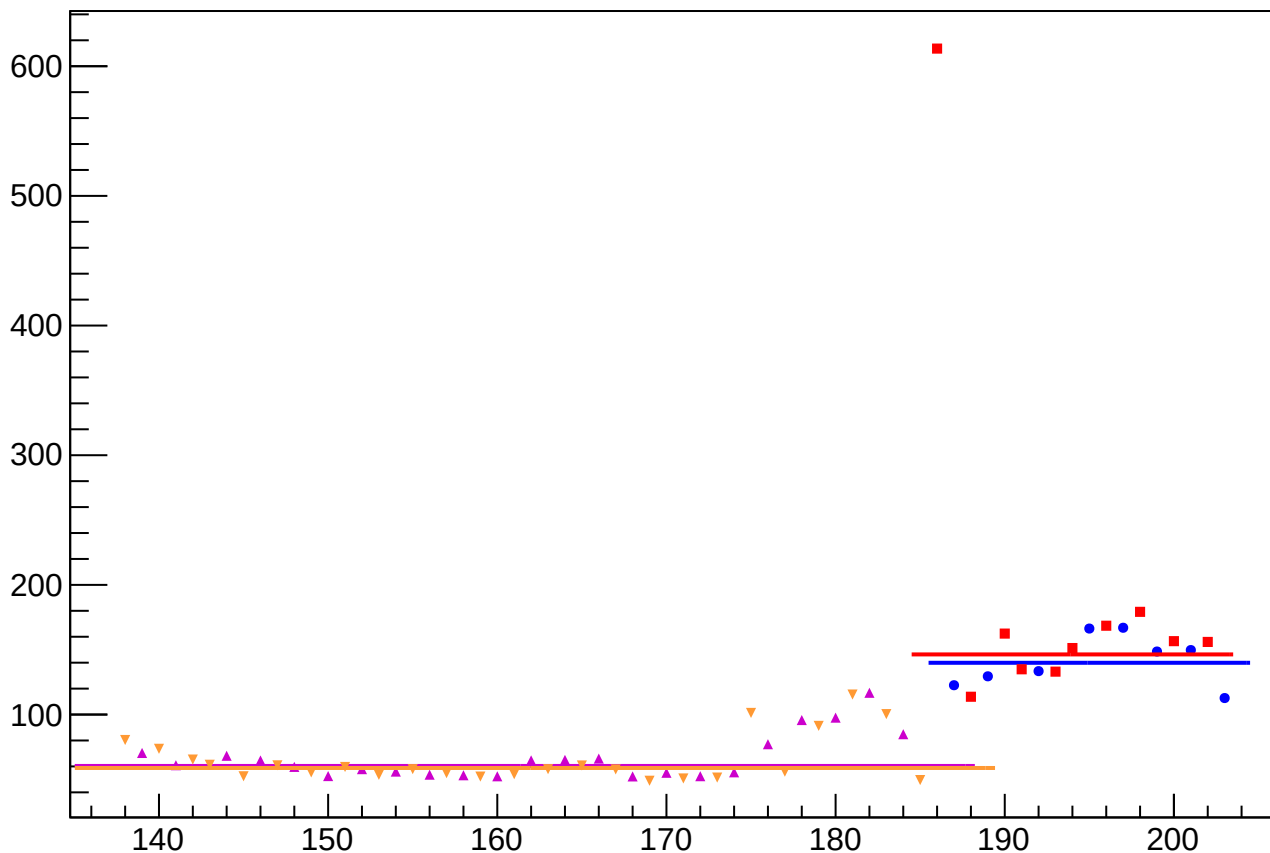
Right: -23.256 $\pm$ 43.028 χ^2 /NDF: 18.3/17

In: 58.712 $\pm$ 14.446 χ^2 /NDF:34.5/30

Out: 28.465 $\pm$ 13.799 χ^2 /NDF:37.0/34

All: 42.896 $\pm$ 9.978 χ^2 /NDF: 73.8/65

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 139.921 $\pm$ 0.045 χ^2 /NDF: 194921.2/7

Left Out: 58.793 $\pm$ 0.010 χ^2 /NDF:1460561.7/24

Right Out: 146.375 $\pm$ 0.042 χ^2 /NDF: 698479.7/9

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

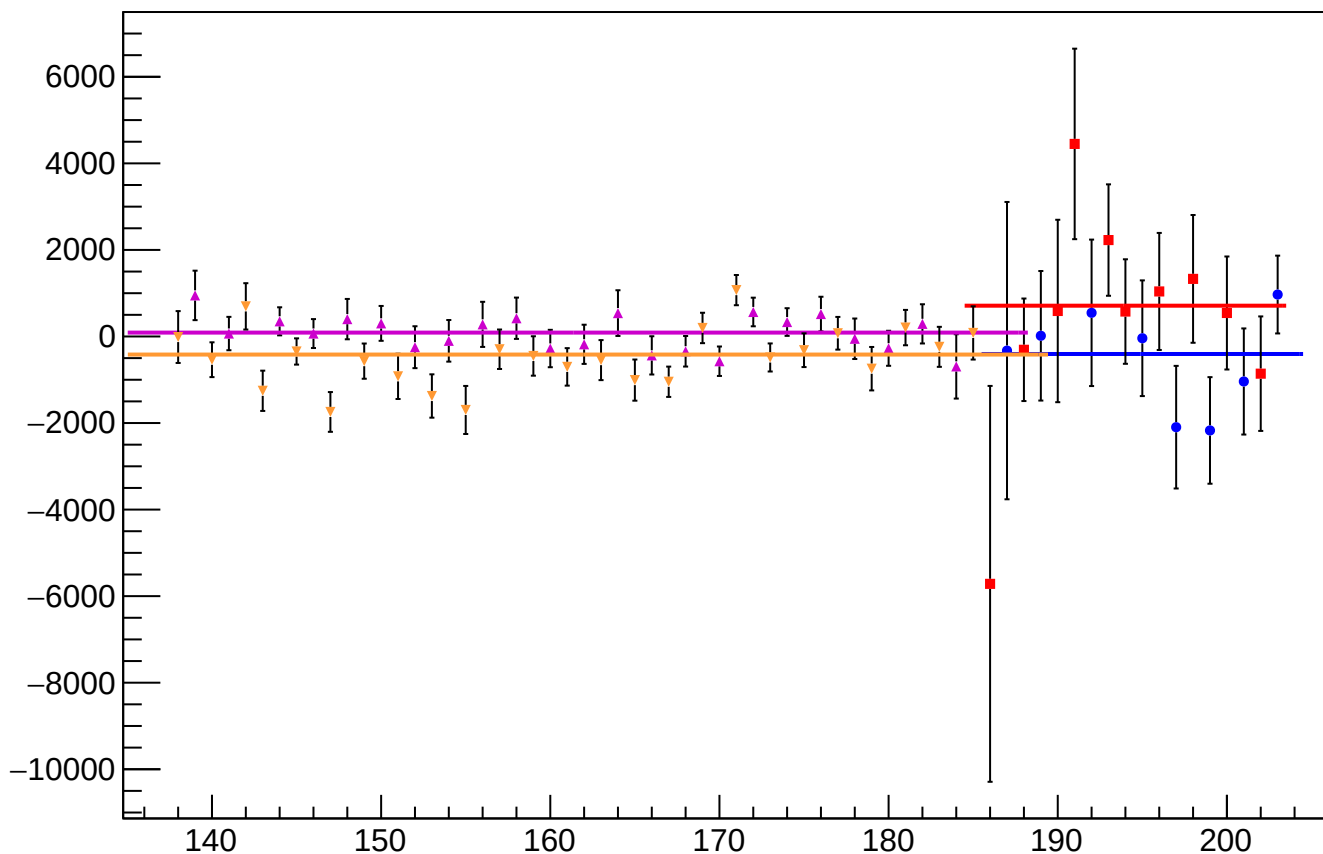
Right: 143.384 $\pm$ 0.030 χ^2 /NDF: 904590.0/17

In: 64.512 $\pm$ 0.010 χ^2 /NDF:4416540.1/30

Out: 63.626 $\pm$ 0.010 χ^2 /NDF:6359395.4/34

All: 64.049 $\pm$ 0.007 χ^2 /NDF: 10779866.1/65

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -404.732 ± 471.361 $\chi^2/\text{NDF}: 6.6/7$

Left Out: -417.817 ± 84.969 $\chi^2/\text{NDF}: 58.5/24$

Right Out: 711.465 ± 463.972 $\chi^2/\text{NDF}: 8.7/9$

Left In: 89.505 ± 86.438 $\chi^2/\text{NDF}: 19.4/22$

Left: -168.504 ± 60.595 $\chi^2/\text{NDF}: 95.4/47$

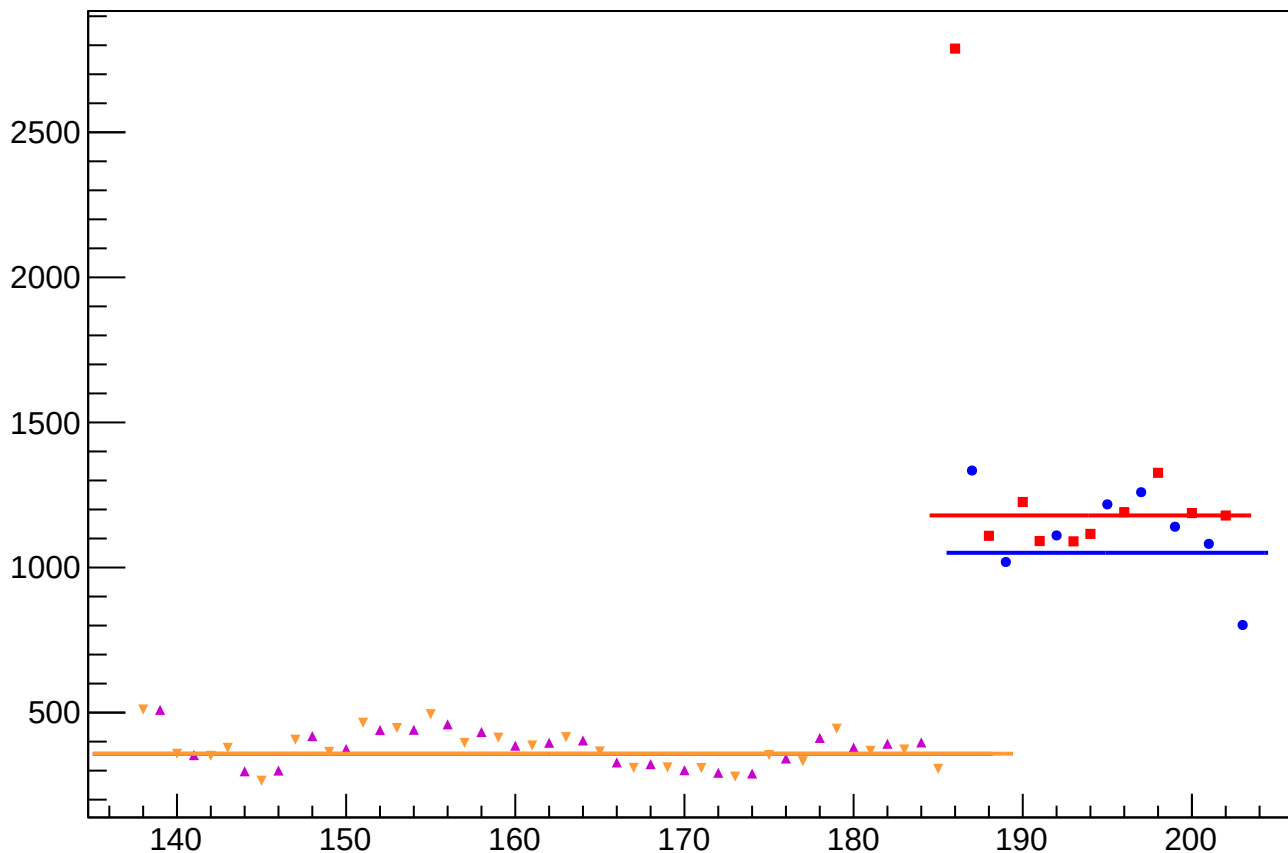
Right: 162.184 ± 330.659 $\chi^2/\text{NDF}: 18.1/17$

In: 73.425 ± 85.021 $\chi^2/\text{NDF}: 27.0/30$

Out: -381.172 ± 83.579 $\chi^2/\text{NDF}: 72.9/34$

All: -157.759 ± 59.603 $\chi^2/\text{NDF}: 114.5/65$

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 1050.739+/-0.333 χ^2/NDF : 256825.3/7

Left Out: 358.349+/-0.060 χ^2/NDF : 1011872.8/24

Right Out: 1179.487+/-0.328 χ^2/NDF : 293867.8/9

Left In: 357.802+/-0.061 χ^2/NDF : 893330.5/22

Left: 358.080+/-0.043 χ^2/NDF : 1905244.1/47

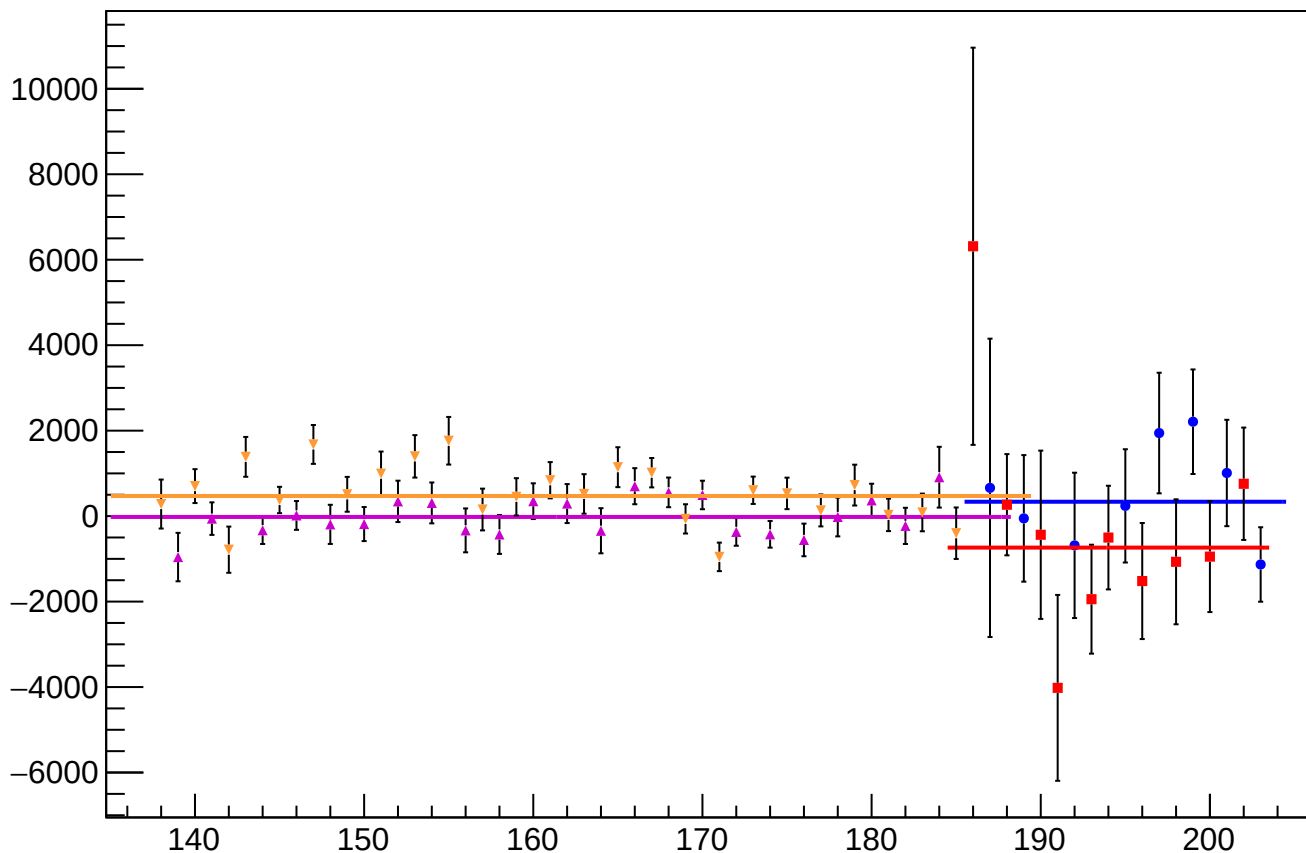
Right: 1116.130+/-0.234 χ^2/NDF : 626477.5/17

In: 380.346+/-0.060 χ^2/NDF : 5331790.9/30

Out: 384.995+/-0.059 χ^2/NDF : 7366856.0/34

All: 382.710+/-0.042 χ^2/NDF : 12701688.2/65

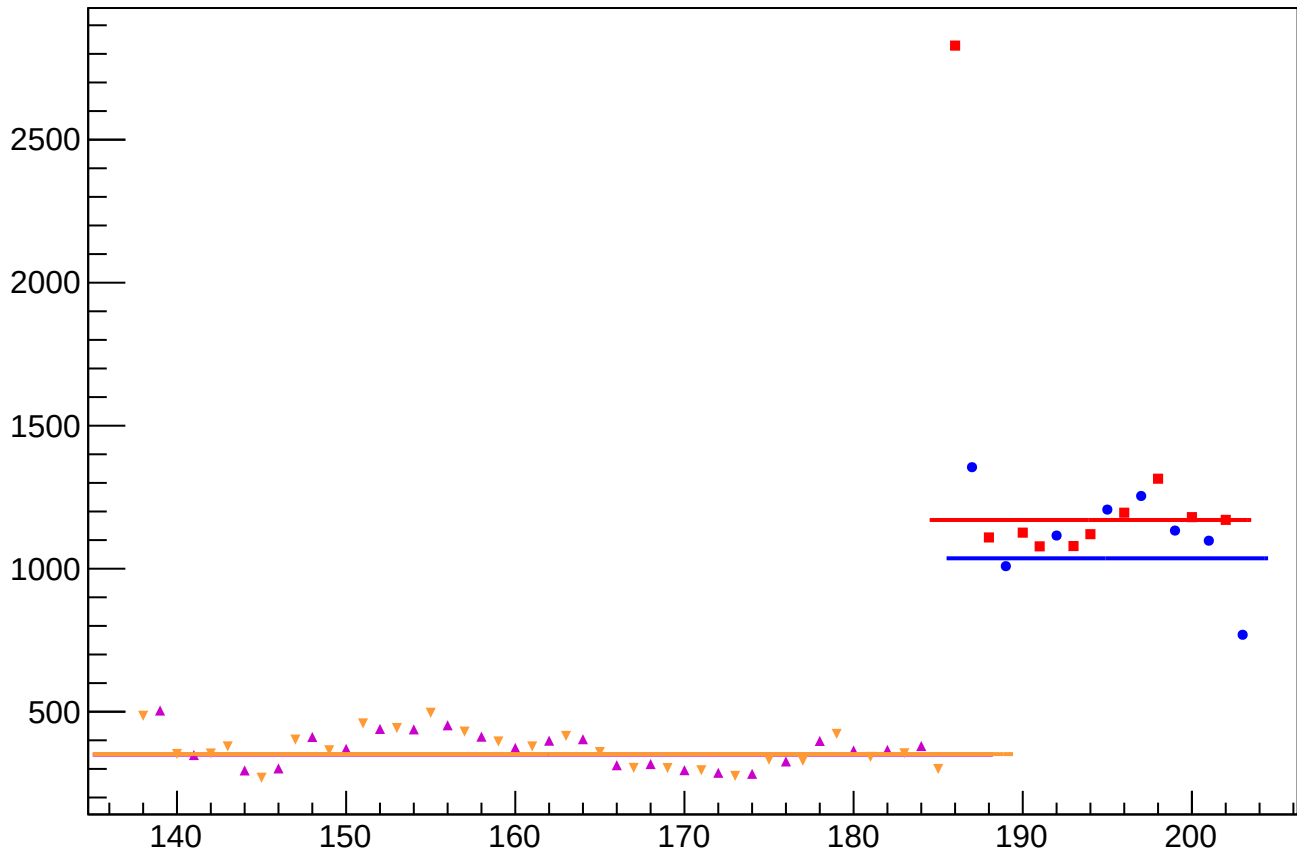
asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 336.441 $\pm$ 466.927 χ^2 /NDF: 7.2/7
 Left Out: 470.804 $\pm$ 83.480 χ^2 /NDF:58.7/24
 Right Out: -736.616 $\pm$ 460.962 χ^2 /NDF: 8.0/9
 Left In: -19.328 $\pm$ 84.679 χ^2 /NDF:23.7/22

Left: 229.235 $\pm$ 59.449 χ^2 /NDF: 99.4/47
 Right: -206.985 $\pm$ 328.038 χ^2 /NDF: 17.8/17
 In: -7.999 $\pm$ 83.320 χ^2 /NDF:31.5/30
 Out: 432.462 $\pm$ 82.144 χ^2 /NDF:73.3/34
 All: 215.364 $\pm$ 58.496 χ^2 /NDF: 118.9/65

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 1036.316 $\pm$ 0.330 χ^2 /NDF: 308266.1/7

Left Out: 351.777 $\pm$ 0.059 χ^2 /NDF:1016791.1/24

Right Out: 1170.321 $\pm$ 0.326 χ^2 /NDF: 298511.8/9

Left In: 350.037 $\pm$ 0.060 χ^2 /NDF:889435.7/22

Left: 350.919 $\pm$ 0.042 χ^2 /NDF: 1906655.0/47

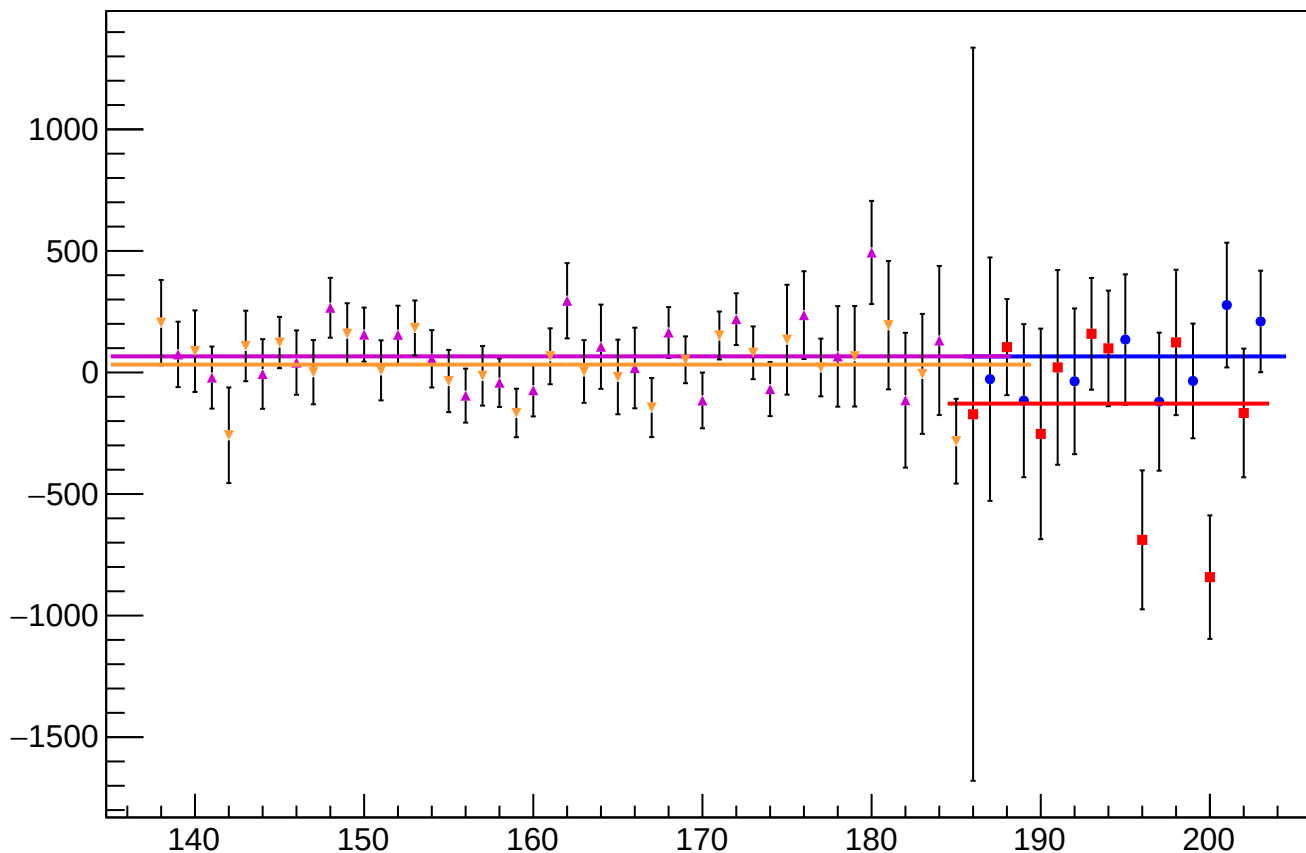
Right: 1104.180 $\pm$ 0.232 χ^2 /NDF: 690202.9/17

In: 371.890 $\pm$ 0.059 χ^2 /NDF:5380624.1/30

Out: 377.770 $\pm$ 0.058 χ^2 /NDF:7421475.8/34

All: 374.872 $\pm$ 0.041 χ^2 /NDF: 12807151.8/65

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 66.010 $\pm$ 96.403 χ^2 /NDF: 2.3/7

Left Out: 32.332 $\pm$ 26.320 χ^2 /NDF:19.6/24

Right Out: -128.072 $\pm$ 88.580 χ^2 /NDF: 16.5/9

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

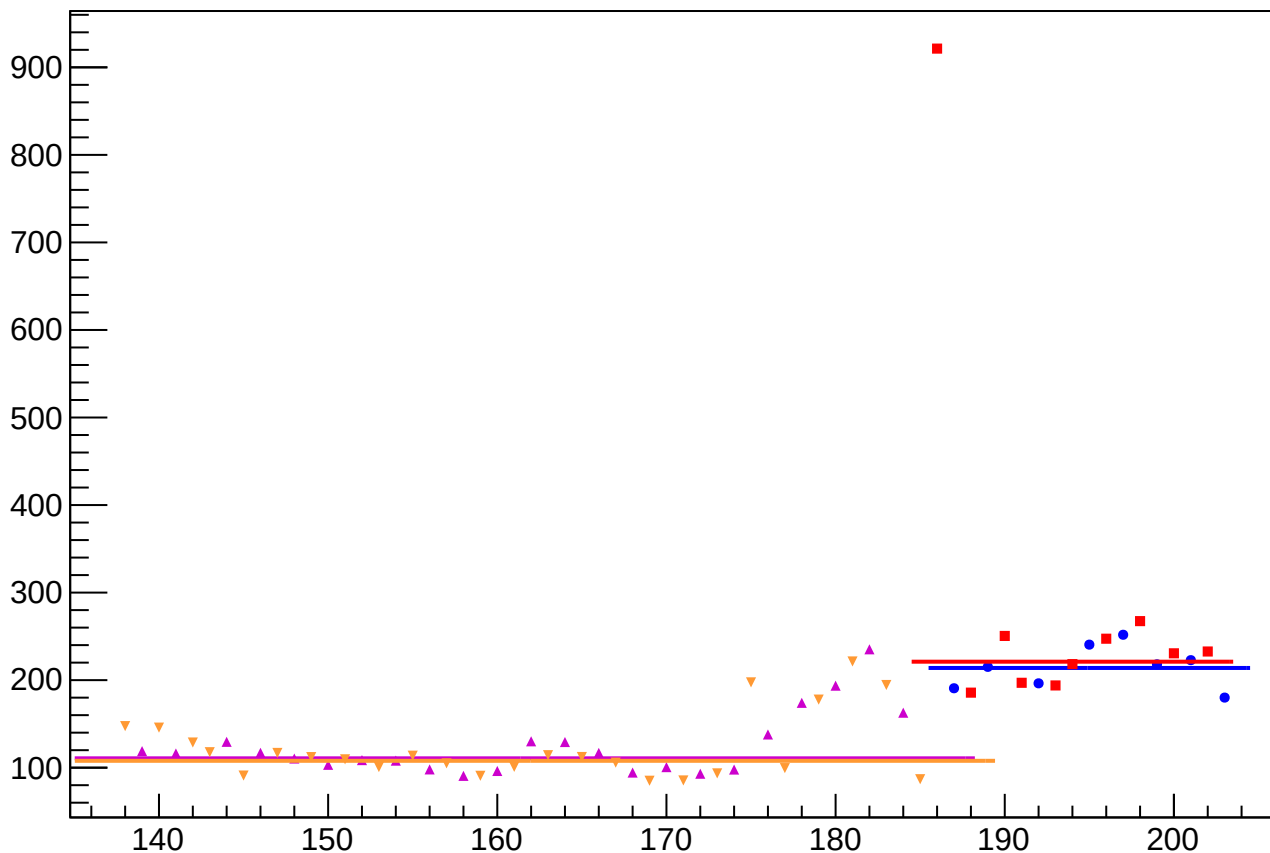
Right: -39.224 $\pm$ 65.226 χ^2 /NDF: 21.1/17

In: 66.236 $\pm$ 26.401 χ^2 /NDF:26.5/30

Out: 19.319 $\pm$ 25.230 χ^2 /NDF:39.1/34

All: 41.714 $\pm$ 18.240 χ^2 /NDF: 67.3/65

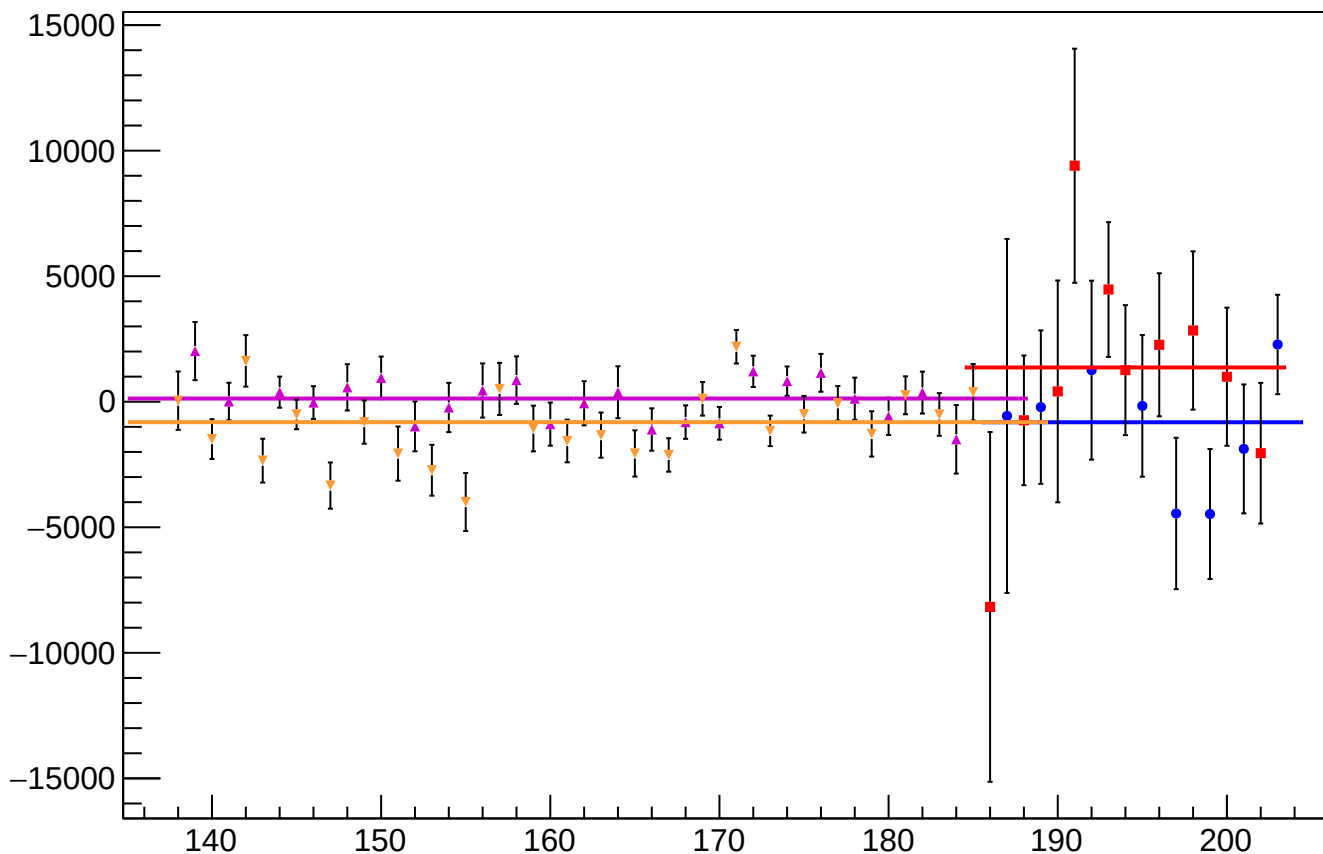
dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 213.908 $\pm$ 0.068 χ^2 /NDF: 122166.7/7
 Left Out: 107.852 $\pm$ 0.019 χ^2 /NDF:1833747.9/24
 Right Out: 221.077 $\pm$ 0.063 χ^2 /NDF: 611760.1/9
 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: 217.795 $\pm$ 0.046 χ^2 /NDF: 739924.9/17
 In: 118.432 $\pm$ 0.019 χ^2 /NDF:3649516.5/30
 Out: 117.038 $\pm$ 0.018 χ^2 /NDF:5448133.5/34
 All: 117.703 $\pm$ 0.013 χ^2 /NDF: 9100565.7/65

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -816.782 ± 1001.212 χ^2/NDF : 6.5/7

Left Out: -813.029 ± 164.102 χ^2/NDF : 66.2/24

Right Out: 1364.272 ± 980.710 χ^2/NDF : 8.7/9

Left In: 127.427 ± 166.308 χ^2/NDF : 22.8/22

Left: -349.081 ± 116.810 χ^2/NDF : 105.2/47

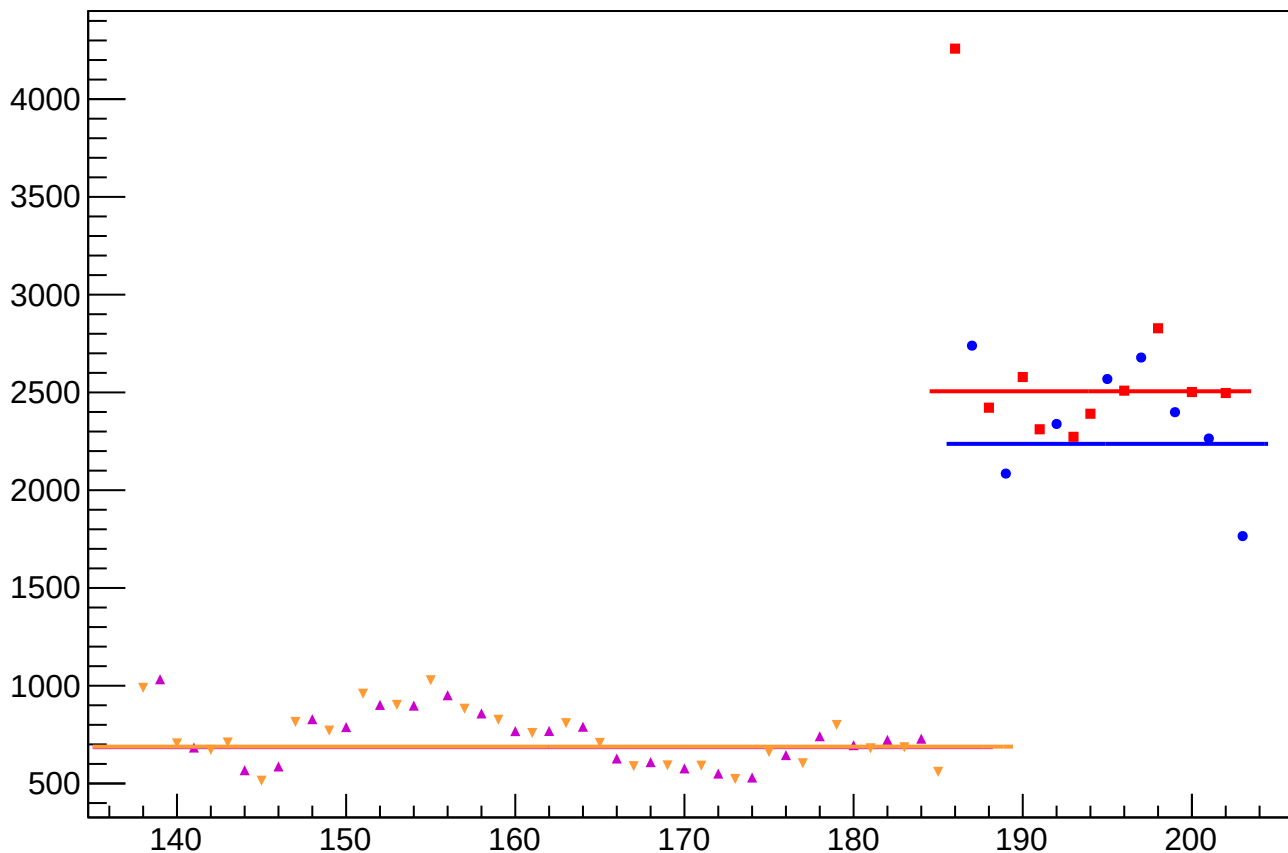
Right: 296.304 ± 700.603 χ^2/NDF : 17.6/17

In: 102.075 ± 164.060 χ^2/NDF : 30.1/30

Out: -753.727 ± 161.852 χ^2/NDF : 79.7/34

All: -331.625 ± 115.219 χ^2/NDF : 123.6/65

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 2236.963+/-0.708 χ^2/NDF : 208879.9/7

Left Out: 688.513+/-0.116 χ^2/NDF : 1287701.8/24

Right Out: 2505.861+/-0.693 χ^2/NDF : 172655.1/9

Left In: 685.733+/-0.118 χ^2/NDF : 1156263.7/22

Left: 687.142+/-0.083 χ^2/NDF : 2444248.5/47

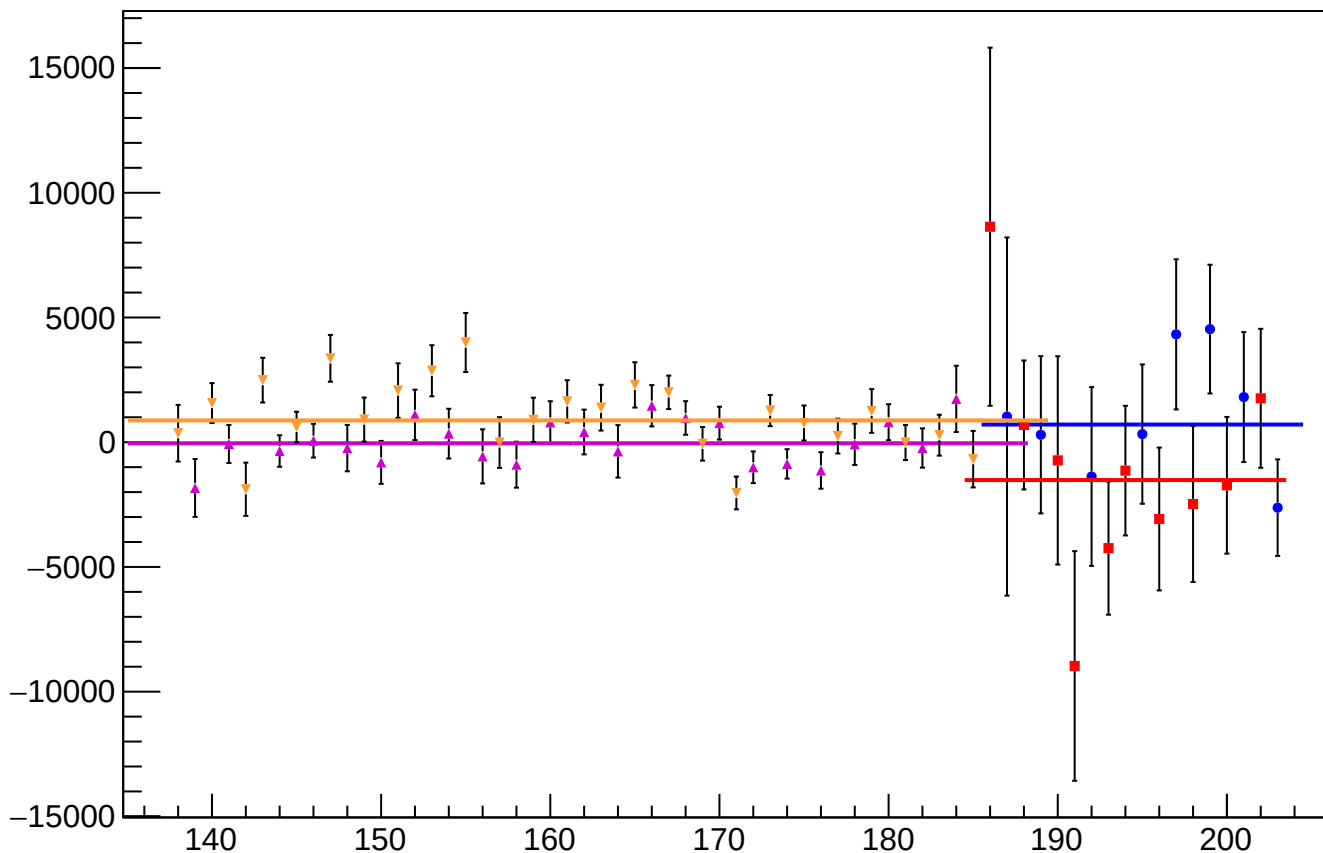
Right: 2374.193+/-0.495 χ^2/NDF : 455158.0/17

In: 727.385+/-0.116 χ^2/NDF : 6037214.5/30

Out: 738.011+/-0.114 χ^2/NDF : 8141209.8/34

All: 732.770+/-0.081 χ^2/NDF : 14182676.3/65

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 709.002 $\pm$ 999.570 χ^2 /NDF: 7.2/7

Left Out: 873.446 $\pm$ 164.269 χ^2 /NDF:64.1/24

Right Out: -1516.514 $\pm$ 976.707 χ^2 /NDF: 8.2/9

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

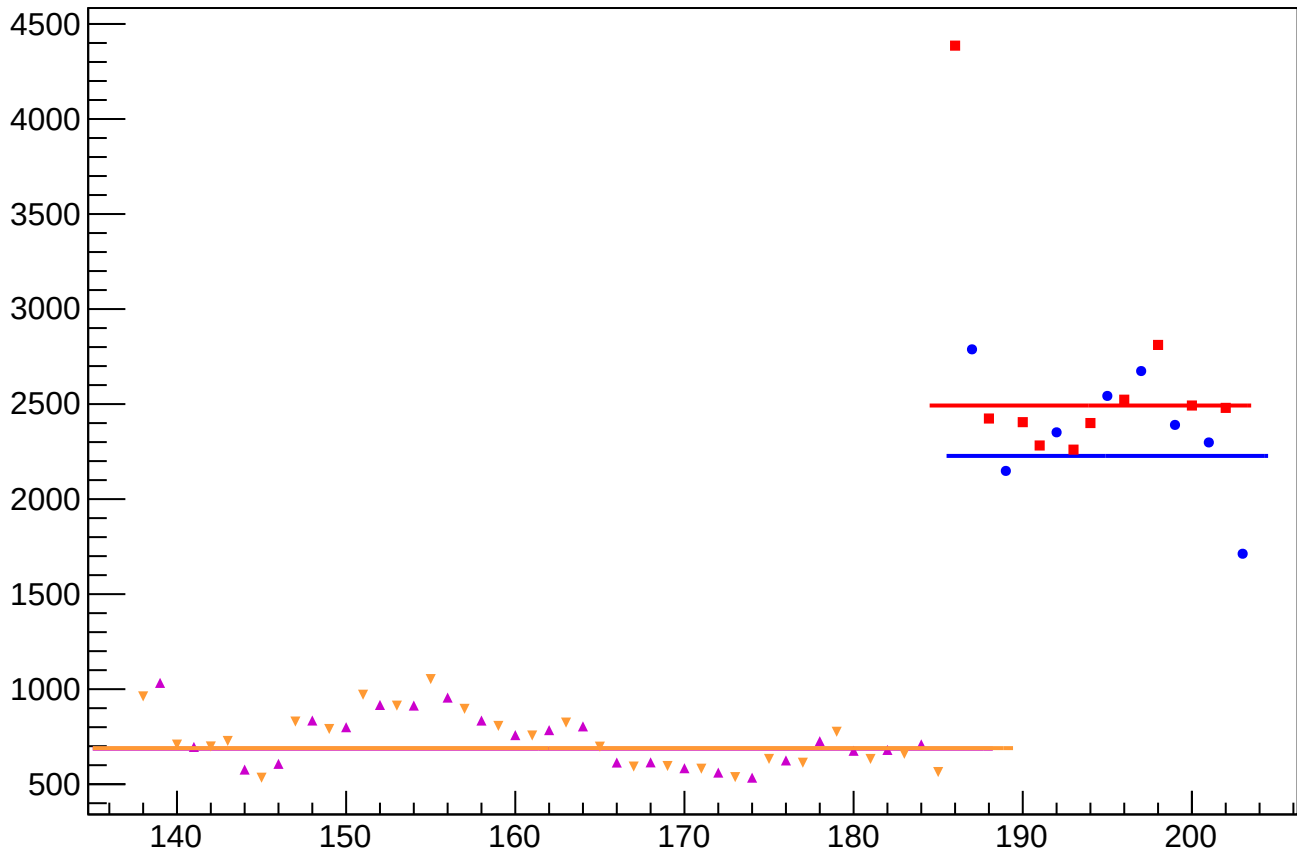
Right: -429.498 $\pm$ 698.579 χ^2 /NDF: 17.9/17

In: -21.206 $\pm$ 164.456 χ^2 /NDF:31.8/30

Out: 807.702 $\pm$ 161.993 χ^2 /NDF:78.2/34

All: 399.499 $\pm$ 115.407 χ^2 /NDF: 122.9/65

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 2227.298 $\pm$ 0.707 χ^2 /NDF: 236278.2/7

Left Out: 689.767 $\pm$ 0.116 χ^2 /NDF: 1258608.7/24

Right Out: 2492.456 $\pm$ 0.691 χ^2 /NDF: 184270.8/9

Left In: 686.944 $\pm$ 0.118 χ^2 /NDF: 1116042.4/22

Left: 688.376 $\pm$ 0.083 χ^2 /NDF: 2374942.1/47

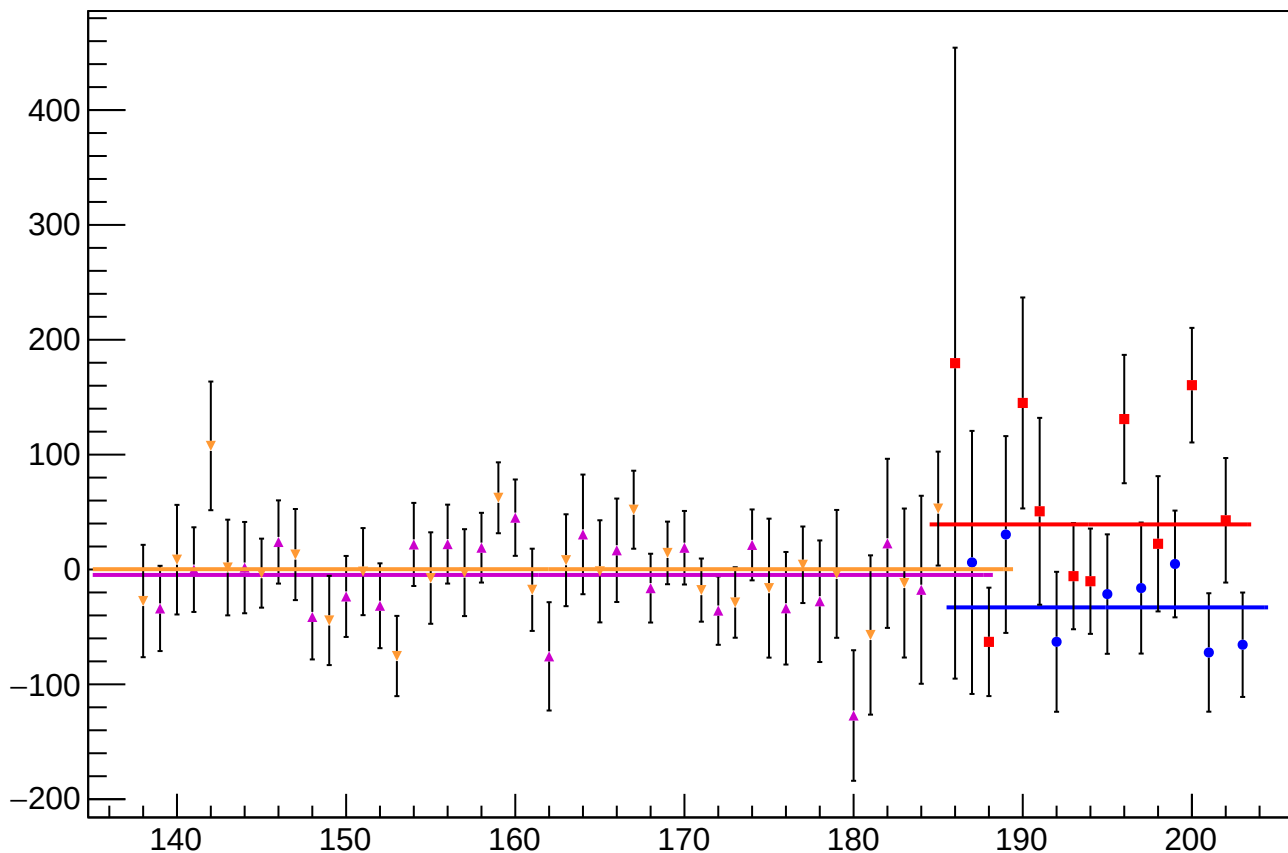
Right: 2362.944 $\pm$ 0.494 χ^2 /NDF: 492546.3/17

In: 728.639 $\pm$ 0.116 χ^2 /NDF: 5973223.0/30

Out: 739.356 $\pm$ 0.115 χ^2 /NDF: 8068533.1/34

All: 734.078 $\pm$ 0.082 χ^2 /NDF: 14046066.2/65

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -32.997 ± 20.072 $\chi^2/\text{NDF}: 2.8/7$

Left Out: 0.254 ± 7.690 $\chi^2/\text{NDF}: 20.4/24$

Right Out: 39.248 ± 18.178 $\chi^2/\text{NDF}: 17.1/9$

Left In: -4.745 ± 7.976 $\chi^2/\text{NDF}: 17.9/22$

Left: -2.154 ± 5.536 $\chi^2/\text{NDF}: 38.5/47$

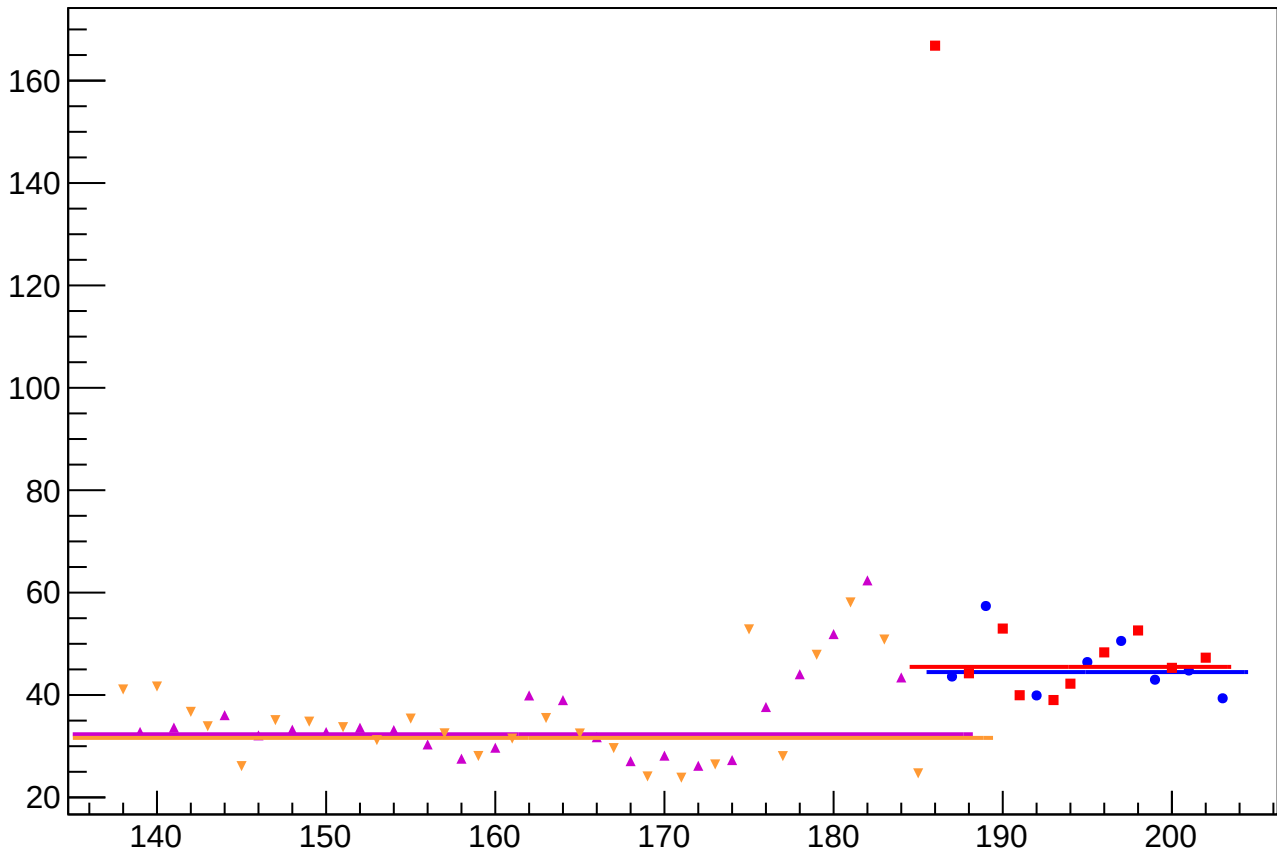
Right: 6.695 ± 13.474 $\chi^2/\text{NDF}: 27.0/17$

In: -8.597 ± 7.412 $\chi^2/\text{NDF}: 22.4/30$

Out: 6.174 ± 7.082 $\chi^2/\text{NDF}: 41.4/34$

All: -0.876 ± 5.121 $\chi^2/\text{NDF}: 65.9/65$

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 44.478 $\pm$ 0.014 χ^2 /NDF: 109789.8/7

Left Out: 31.624 $\pm$ 0.005 χ^2 /NDF:1673431.1/24

Right Out: 45.493 $\pm$ 0.013 χ^2 /NDF: 500245.7/9

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

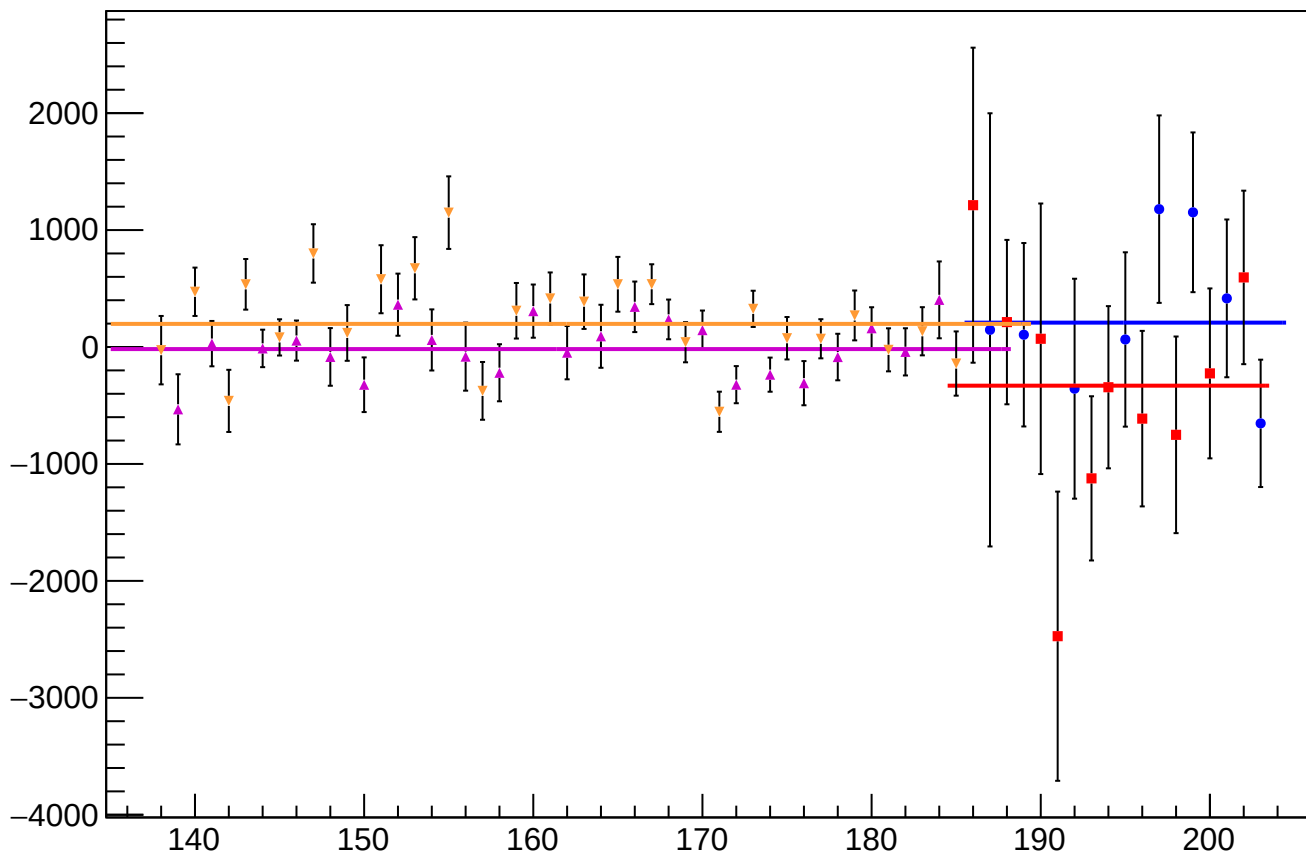
Right: 45.036 $\pm$ 0.010 χ^2 /NDF: 612842.9/17

In: 33.988 $\pm$ 0.005 χ^2 /NDF:1883857.5/30

Out: 33.730 $\pm$ 0.005 χ^2 /NDF:3161101.5/34

All: 33.853 $\pm$ 0.004 χ^2 /NDF: 5046223.9/65

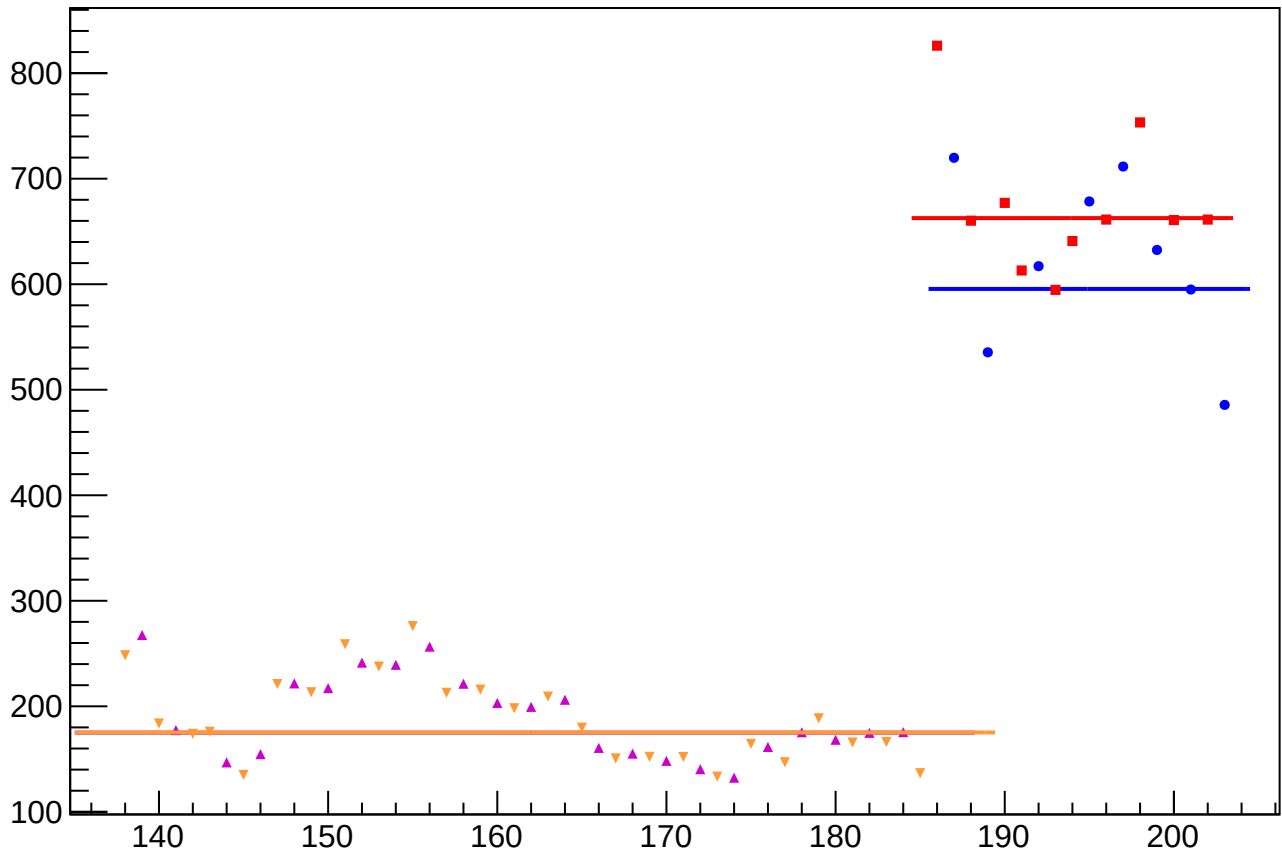
asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 208.430 ± 266.153 $\chi^2/\text{NDF}: 6.4/7$
 Left Out: 197.682 ± 41.831 $\chi^2/\text{NDF}: 69.9/24$
 Right Out: -330.669 ± 258.326 $\chi^2/\text{NDF}: 8.3/9$
 Left In: -17.742 ± 42.576 $\chi^2/\text{NDF}: 27.1/22$

Left: 91.870 ± 29.839 $\chi^2/\text{NDF}: 110.0/47$
 Right: -69.162 ± 185.369 $\chi^2/\text{NDF}: 16.8/17$
 In: -12.098 ± 42.041 $\chi^2/\text{NDF}: 34.2/30$
 Out: 184.182 ± 41.293 $\chi^2/\text{NDF}: 82.2/34$
 All: 87.803 ± 29.460 $\chi^2/\text{NDF}: 127.5/65$

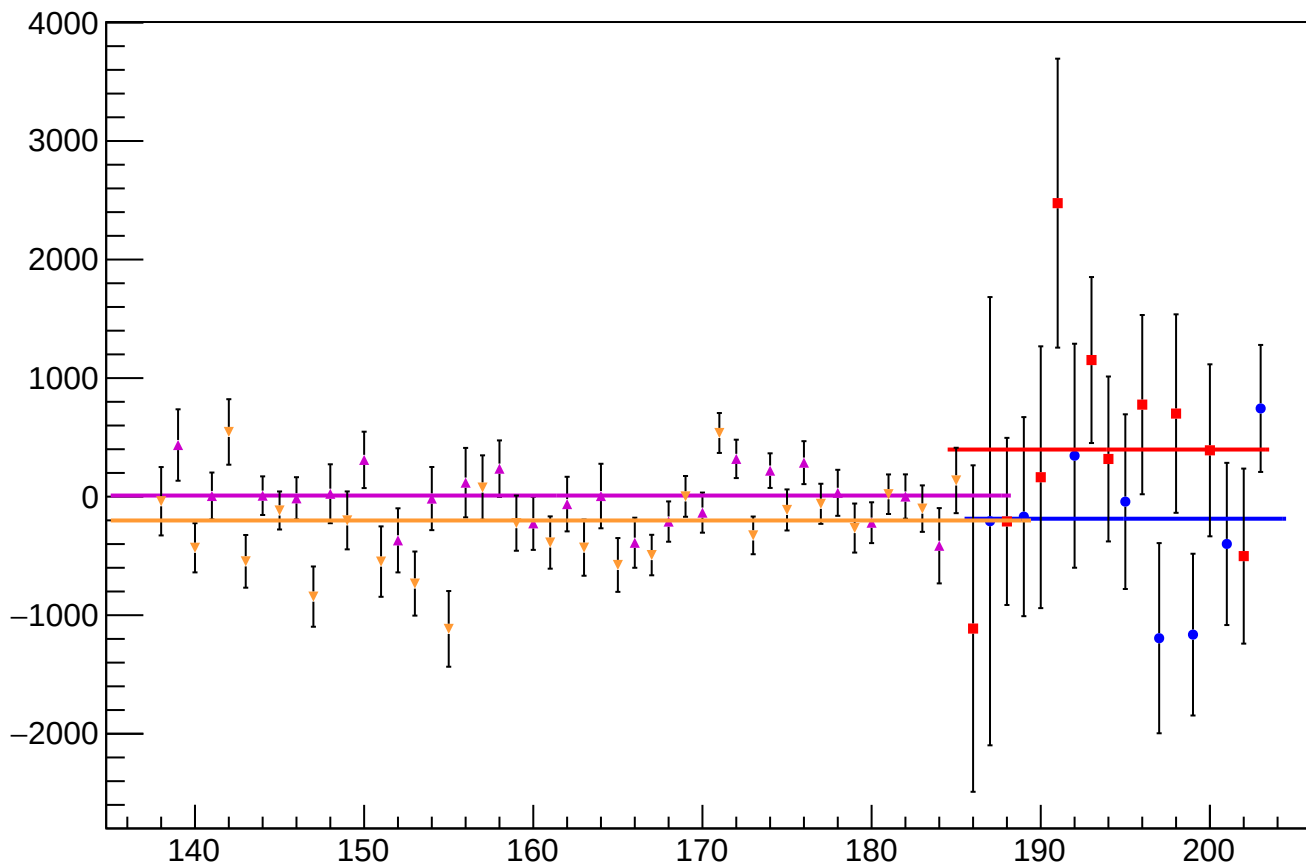
asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 595.534+/-0.188 χ^2/NDF : 175700.2/7
 Left Out: 175.207+/-0.030 χ^2/NDF :1418225.0/24
 Right Out: 662.650+/-0.183 χ^2/NDF : 77018.3/9
 Left In: 175.051+/-0.030 χ^2/NDF :1339755.1/22

Left: 175.130+/-0.021 χ^2/NDF : 2757993.8/47
 Right: 630.093+/-0.131 χ^2/NDF : 318206.0/17
 In: 185.542+/-0.030 χ^2/NDF :6382791.7/30
 Out: 187.662+/-0.029 χ^2/NDF :8434280.2/34
 All: 186.621+/-0.021 χ^2/NDF : 14819660.1/65

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -186.163+/-267.395 χ^2/NDF : 7.1/7

Left Out: -200.930+/-41.741 χ^2/NDF : 65.5/24

Right Out: 397.440+/-257.747 χ^2/NDF : 7.9/9

Left In: 9.384+/-42.437 χ^2/NDF : 25.4/22

Left: -97.511+/-29.758 χ^2/NDF : 103.4/47

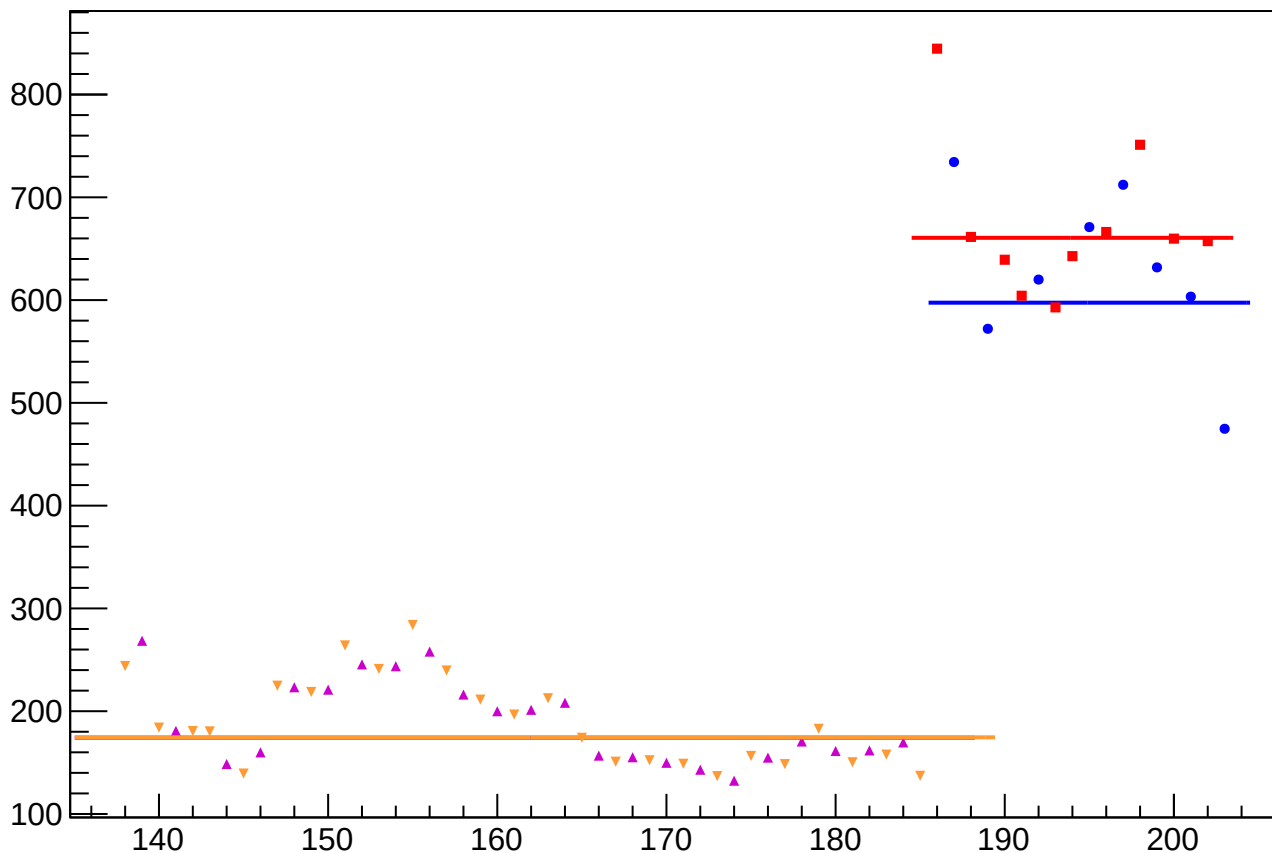
Right: 116.357+/-185.572 χ^2/NDF : 17.5/17

In: 4.579+/-41.912 χ^2/NDF : 33.0/30

Out: -185.638+/-41.205 χ^2/NDF : 78.7/34

All: -92.149+/-29.383 χ^2/NDF : 122.2/65

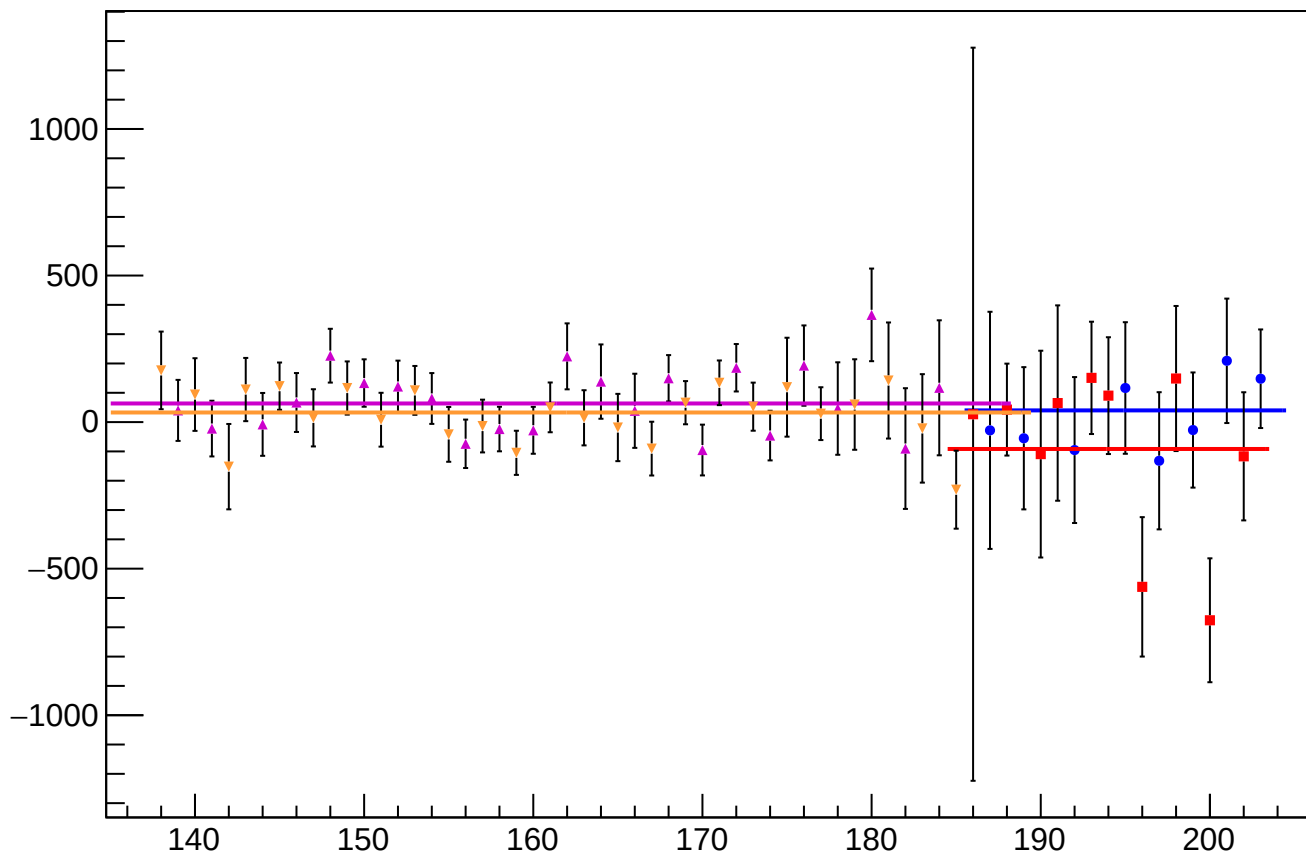
asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 597.479 ± 0.189 $\chi^2/\text{NDF}: 184429.2/7$
 Left Out: 174.567 ± 0.030 $\chi^2/\text{NDF}: 1532900.3/24$
 Right Out: 660.597 ± 0.182 $\chi^2/\text{NDF}: 84306.6/9$
 Left In: 174.217 ± 0.030 $\chi^2/\text{NDF}: 1364600.9/22$

Left: 174.395 ± 0.021 $\chi^2/\text{NDF}: 2897570.3/47$
 Right: 630.197 ± 0.131 $\chi^2/\text{NDF}: 326502.7/17$
 In: 184.616 ± 0.030 $\chi^2/\text{NDF}: 6437110.4/30$
 Out: 186.988 ± 0.029 $\chi^2/\text{NDF}: 8547124.8/34$
 All: 185.822 ± 0.021 $\chi^2/\text{NDF}: 14987493.3/65$

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 39.934 $\pm$ 78.856 χ^2 /NDF: 2.3/7

Left Out: 32.793 $\pm$ 19.705 χ^2 /NDF:19.5/24

Right Out: -91.692 $\pm$ 72.913 χ^2 /NDF: 15.9/9

Left In: 63.566 $\pm$ 20.573 χ^2 /NDF:27.2/22

Left: 47.517 $\pm$ 14.231 χ^2 /NDF: 47.9/47

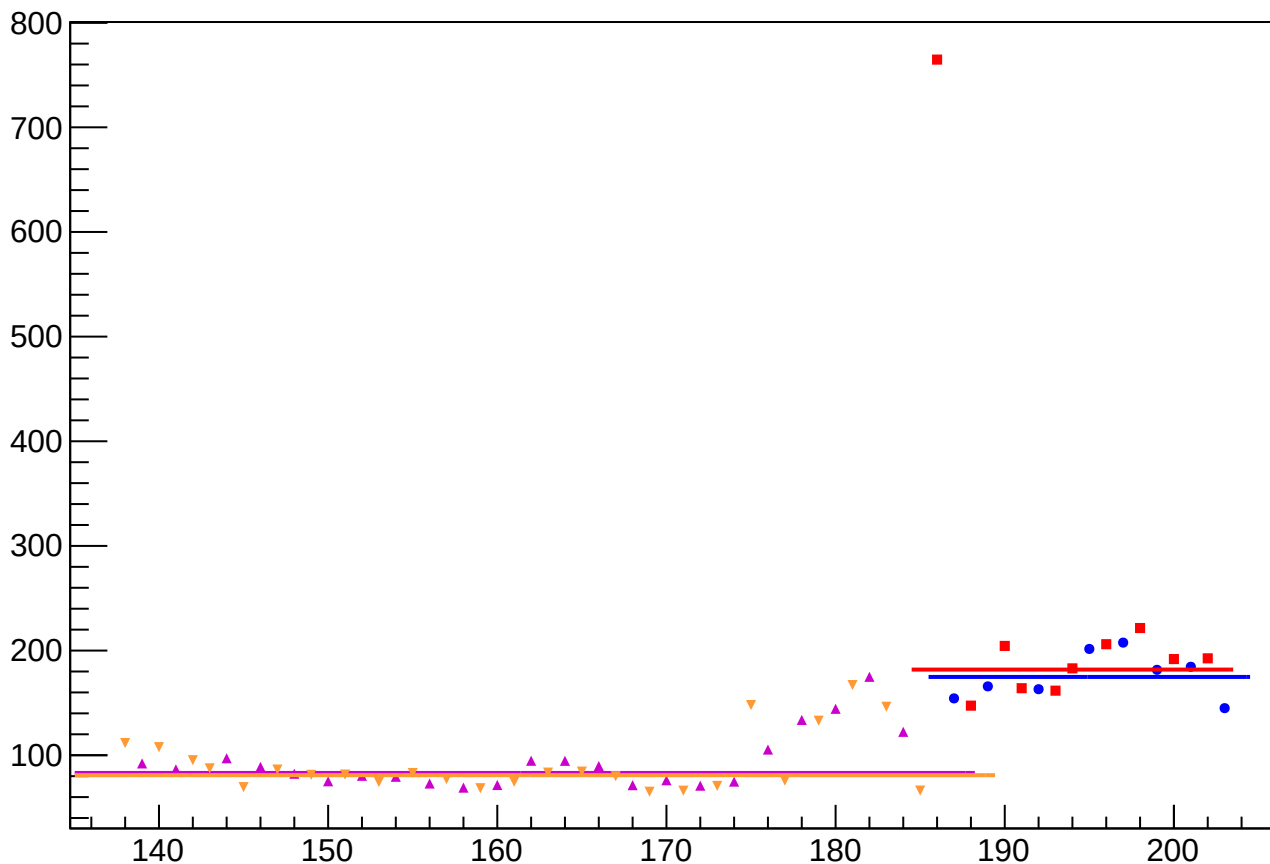
Right: -31.025 $\pm$ 53.535 χ^2 /NDF: 19.7/17

In: 62.060 $\pm$ 19.907 χ^2 /NDF:29.5/30

Out: 24.320 $\pm$ 19.023 χ^2 /NDF:38.2/34

All: 42.333 $\pm$ 13.753 χ^2 /NDF: 69.6/65

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 174.807 $\pm$ 0.056 χ^2 /NDF: 149532.5/7

Left Out: 80.926 $\pm$ 0.014 χ^2 /NDF:1760910.0/24

Right Out: 181.839 $\pm$ 0.052 χ^2 /NDF: 648715.5/9

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

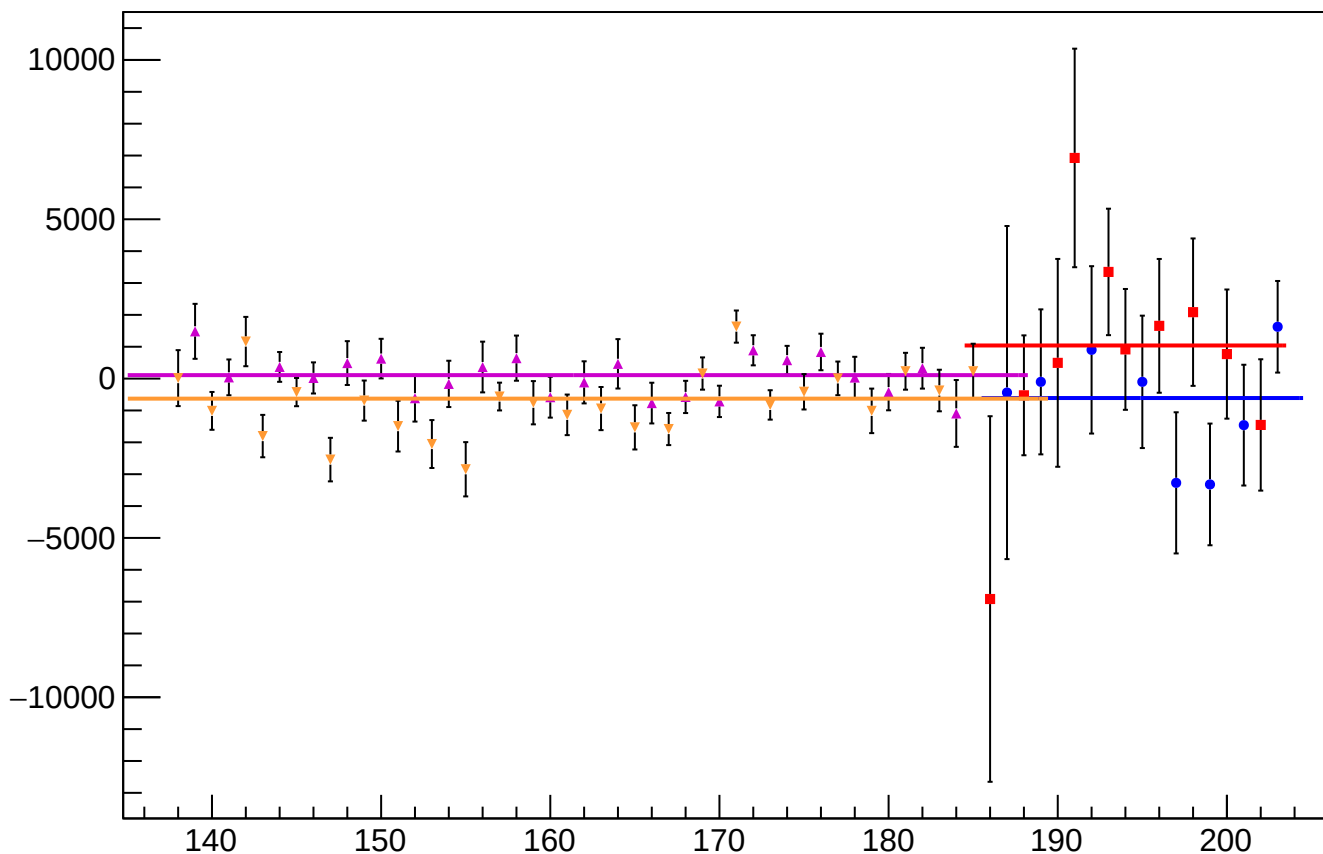
Right: 178.598 $\pm$ 0.038 χ^2 /NDF: 806821.5/17

In: 88.917 $\pm$ 0.014 χ^2 /NDF:4088865.8/30

Out: 87.795 $\pm$ 0.013 χ^2 /NDF:5979798.8/34

All: 88.331 $\pm$ 0.010 χ^2 /NDF: 10071983.1/65

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -609.801+/-735.839 χ^2/NDF : 6.5/7

Left Out: -629.005+/-120.608 χ^2/NDF : 63.2/24

Right Out: 1039.408+/-722.282 χ^2/NDF : 8.7/9

Left In: 108.821+/-125.527 χ^2/NDF : 21.4/22

Left: -274.832+/-86.970 χ^2/NDF : 102.6/47

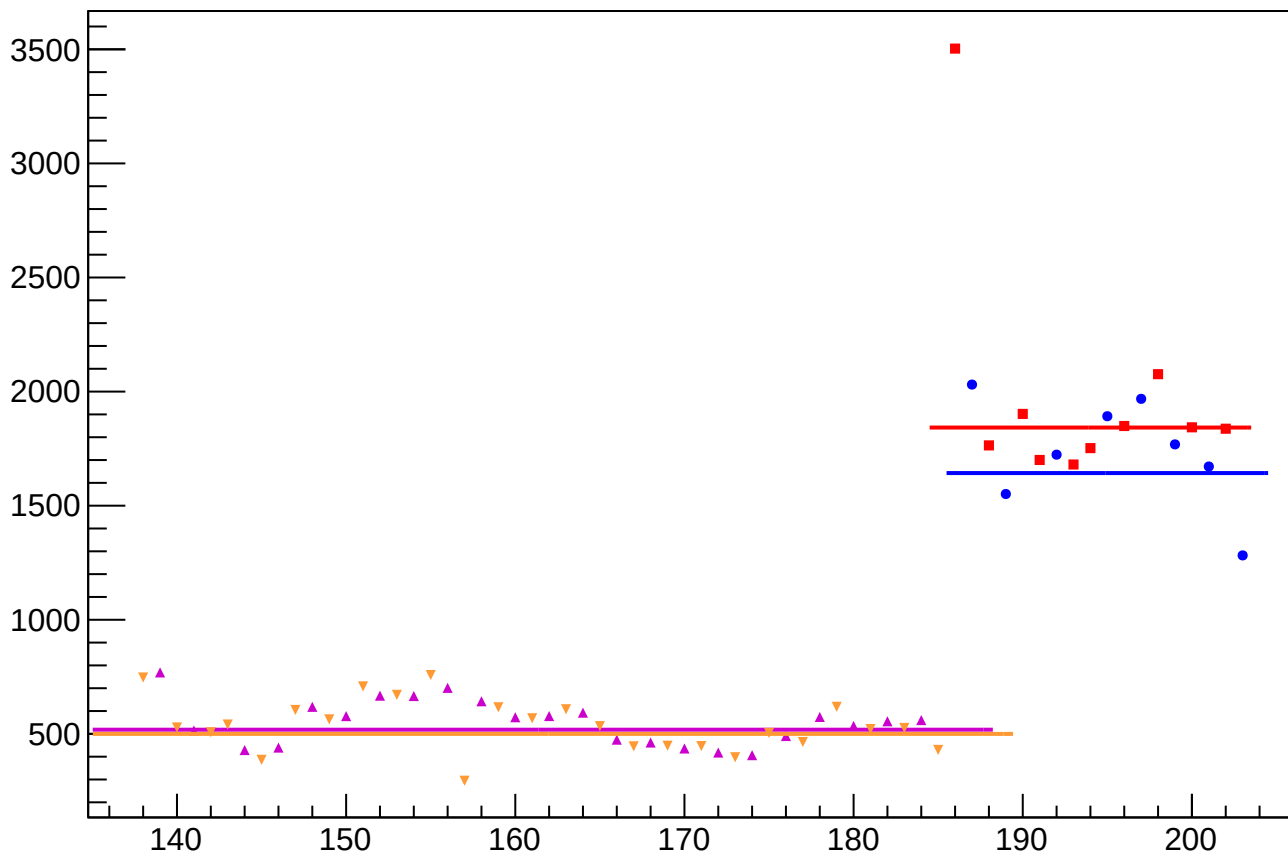
Right: 230.136+/-515.457 χ^2/NDF : 17.8/17

In: 88.500+/-123.740 χ^2/NDF : 28.9/30

Out: -583.747+/-118.961 χ^2/NDF : 77.1/34

All: -260.855+/-85.758 χ^2/NDF : 121.3/65

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 1642.950+/-0.520 χ^2/NDF : 223195.7/7

Left Out: 499.813+/-0.085 χ^2/NDF :1626530.8/24

Right Out: 1842.409+/-0.511 χ^2/NDF : 213531.9/9

Left In: 518.244+/-0.089 χ^2/NDF :1071993.3/22

Left: 508.660+/-0.061 χ^2/NDF : 2720944.9/47

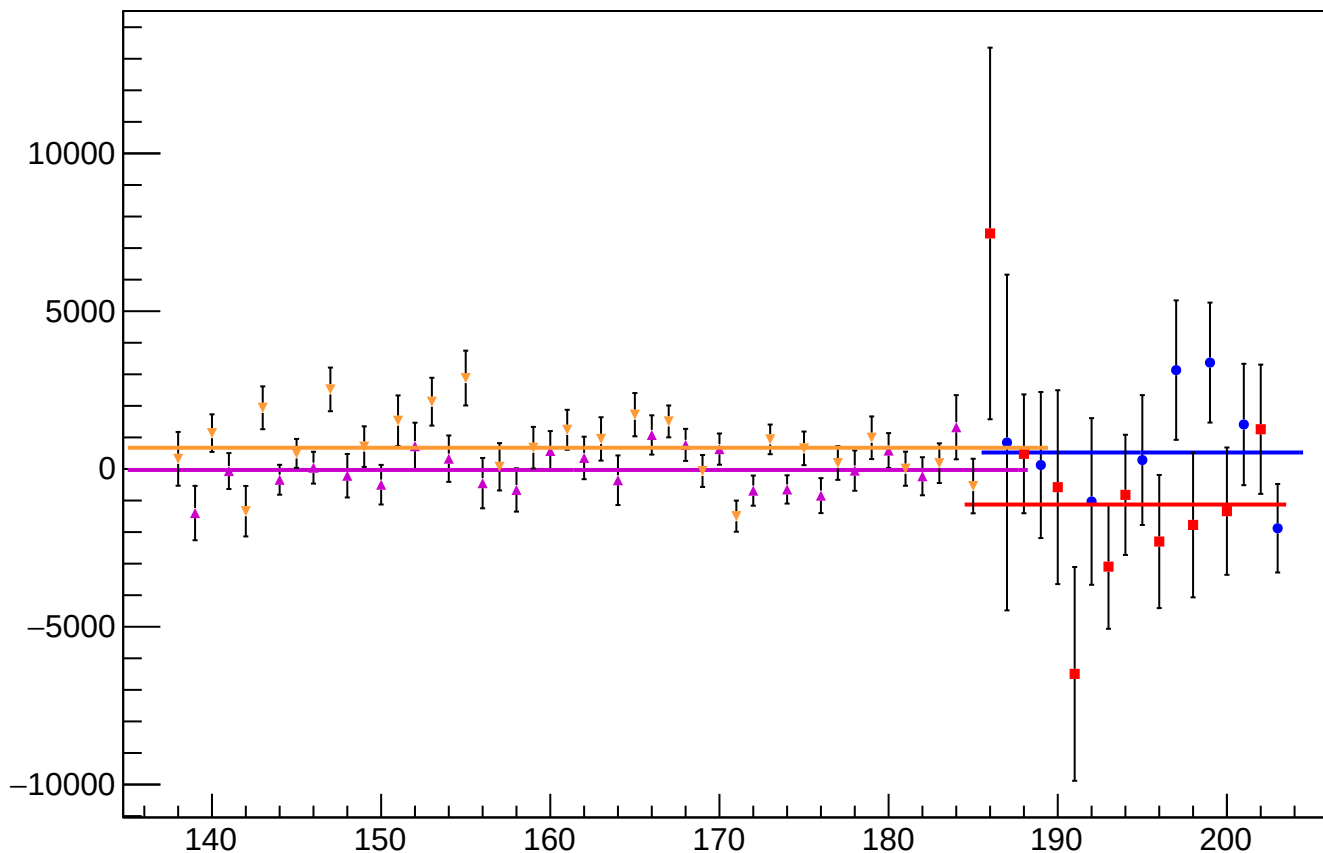
Right: 1744.534+/-0.364 χ^2/NDF : 511568.8/17

In: 550.049+/-0.087 χ^2/NDF :5835488.0/30

Out: 536.233+/-0.084 χ^2/NDF :8563068.3/34

All: 542.869+/-0.061 χ^2/NDF : 14411513.7/65

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 522.616+/-732.857 χ^2/NDF : 7.2/7

Left Out: 672.498+/-123.428 χ^2/NDF : 62.8/24

Right Out: -1126.754+/-718.756 χ^2/NDF : 8.2/9

Left In: -31.056+/-125.236 χ^2/NDF : 23.8/22

Left: 325.838+/-87.909 χ^2/NDF : 102.6/47

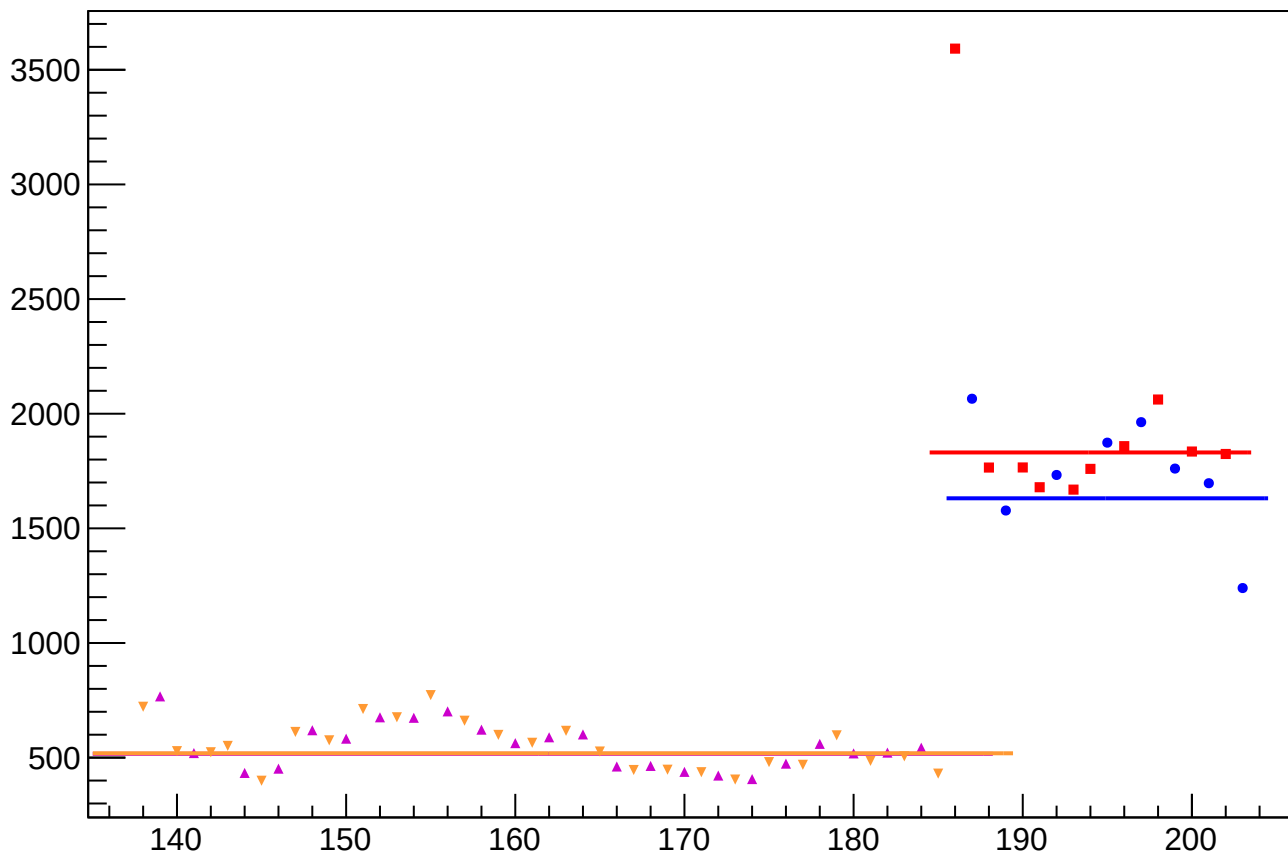
Right: -318.089+/-513.150 χ^2/NDF : 17.9/17

In: -15.346+/-123.447 χ^2/NDF : 31.6/30

Out: 620.959+/-121.647 χ^2/NDF : 77.0/34

All: 307.479+/-86.647 χ^2/NDF : 122.1/65

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1631.071+/-0.518 χ^2/NDF : 257864.4/7

Left Out: 518.935+/-0.087 χ^2/NDF :1172613.9/24

Right Out: 1831.041+/-0.508 χ^2/NDF : 223300.6/9

Left In: 516.594+/-0.089 χ^2/NDF :1036092.8/22

Left: 517.782+/-0.062 χ^2/NDF : 2209061.2/47

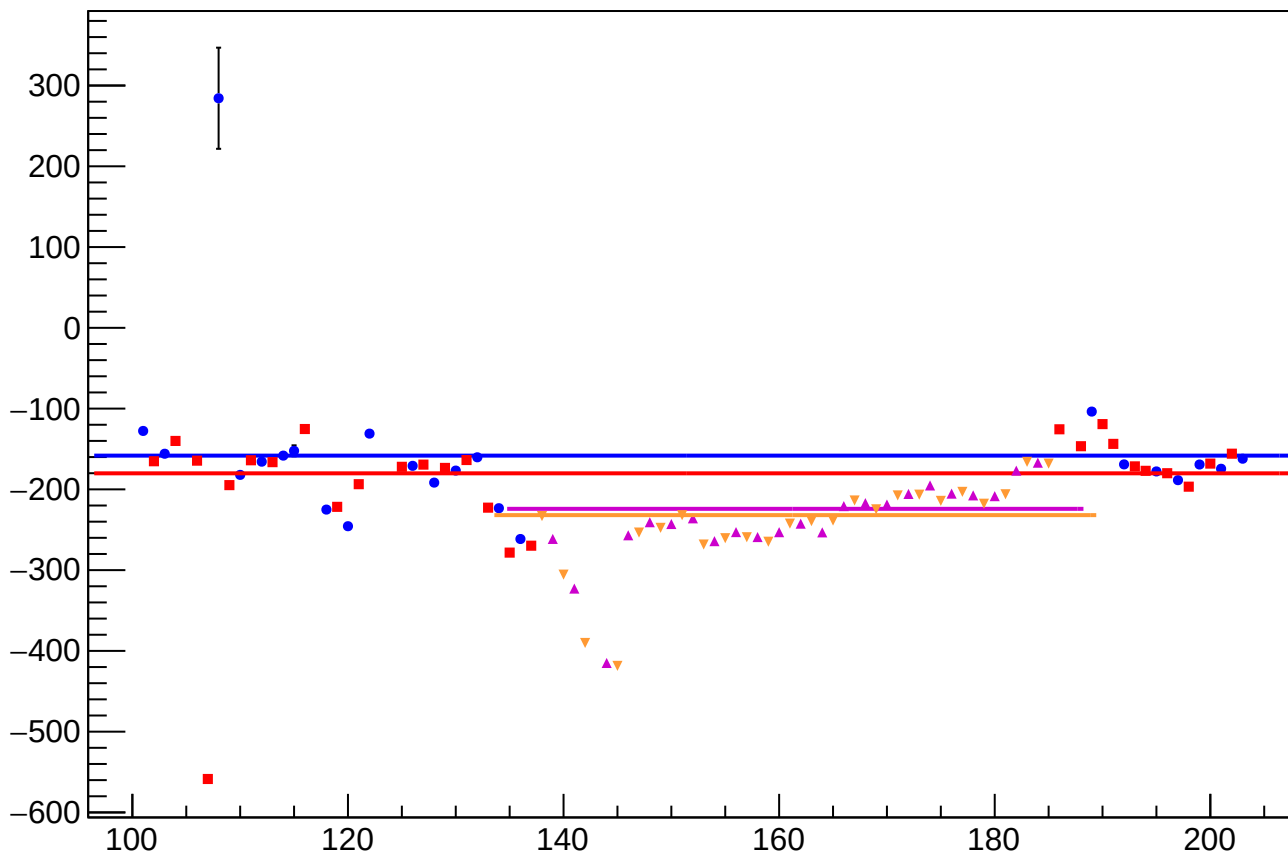
Right: 1732.998+/-0.363 χ^2/NDF : 557066.5/17

In: 548.216+/-0.087 χ^2/NDF :5787953.8/30

Out: 556.520+/-0.086 χ^2/NDF :7870068.0/34

All: 552.429+/-0.061 χ^2/NDF : 13662612.4/65

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222+/-0.000 χ^2/NDF : 127132.4/22

Left Out: -231.902+/-0.108 χ^2/NDF : 110473.4/23

Right Out: -180.145+/-0.089 χ^2/NDF : 168260.2/26

Left In: -224.103+/-0.098 χ^2/NDF : 153347.0/22

Left: -227.631+/-0.073 χ^2/NDF : 266668.8/46

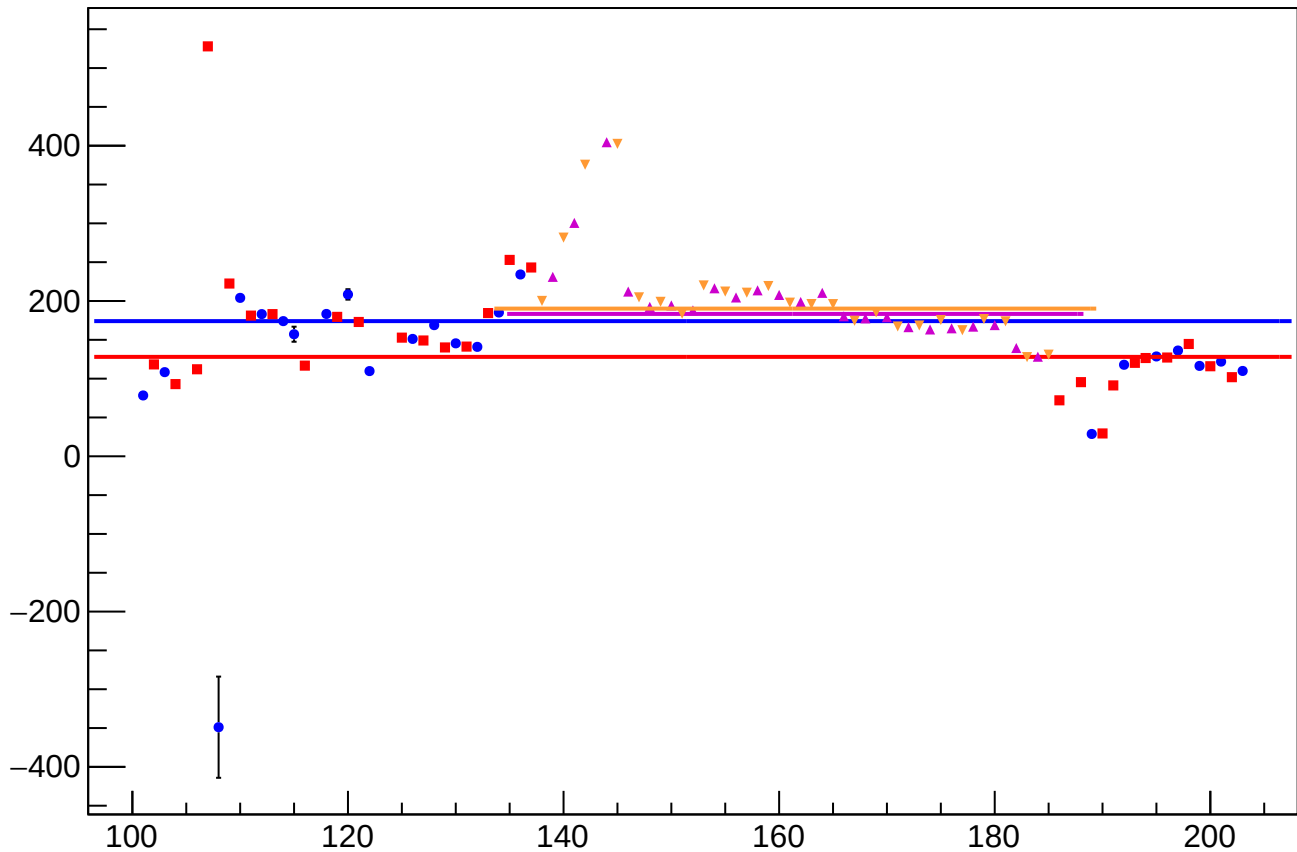
Right: -158.222+/-0.000 χ^2/NDF : 356439.1/49

In: -158.222+/-0.000 χ^2/NDF : 729803.1/45

Out: -200.969+/-0.069 χ^2/NDF : 415618.0/50

All: -158.222+/-0.000 χ^2/NDF : 1533746.9/96

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 170452.8/22

Left Out: 190.208 $\pm$ 0.109 χ^2 /NDF:99613.5/23

Right Out: 128.042 $\pm$ 0.089 χ^2 /NDF: 164477.1/26

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

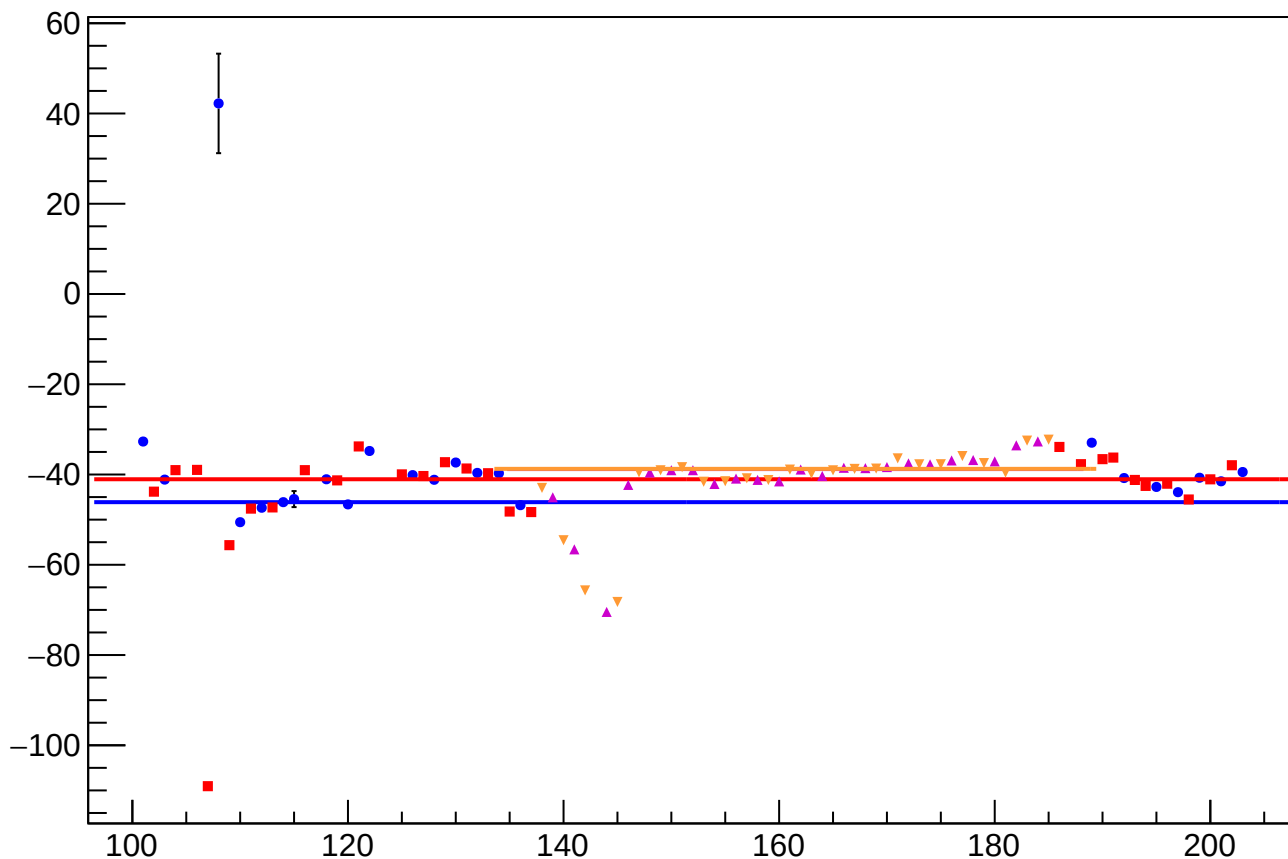
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 600883.1/49

In: 174.085 $\pm$ 0.000 χ^2 /NDF:334680.4/45

Out: 153.095 $\pm$ 0.069 χ^2 /NDF:459475.1/50

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 886737.8/96

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126 ± 0.000 χ^2/NDF : 467411.0/22

Left Out: -38.745 ± 0.006 χ^2/NDF : 400638.0/23

Right Out: -41.050 ± 0.011 χ^2/NDF : 307169.3/26

Left In: -38.794 ± 0.007 χ^2/NDF : 321993.9/22

Left: -38.767 ± 0.004 χ^2/NDF : 722662.8/46

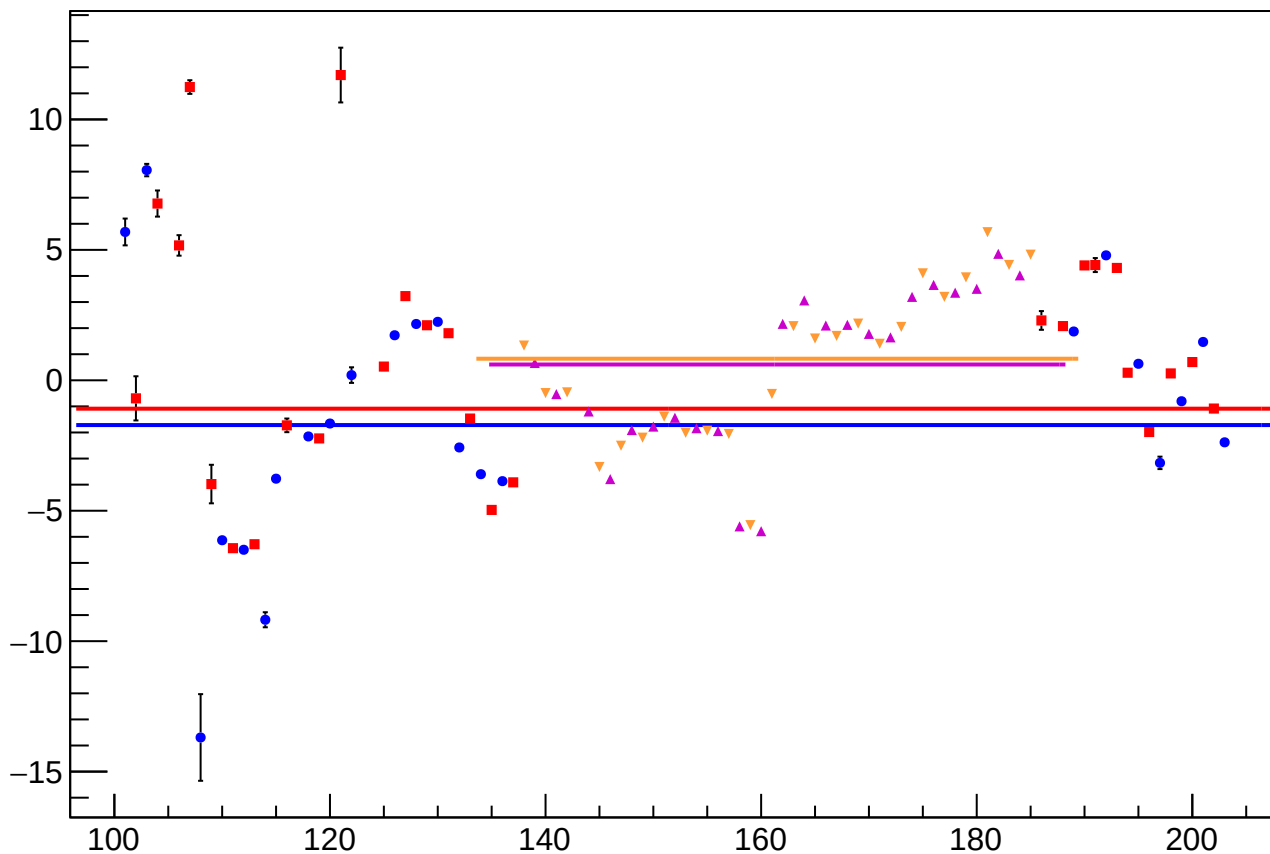
Right: -46.126 ± 0.000 χ^2/NDF : 981717.9/49

In: -46.126 ± 0.000 χ^2/NDF : 2045139.1/45

Out: -39.246 ± 0.005 χ^2/NDF : 741212.3/50

All: -46.126 ± 0.000 χ^2/NDF : 4537269.2/96

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -1.716 ± 0.017 χ^2/NDF : 31741.8/22

Left Out: 0.828 ± 0.006 χ^2/NDF : 255303.5/23

Right Out: -1.088 ± 0.019 χ^2/NDF : 35881.9/26

Left In: 0.606 ± 0.005 χ^2/NDF : 331282.7/22

Left: 0.696 ± 0.004 χ^2/NDF : 587368.1/46

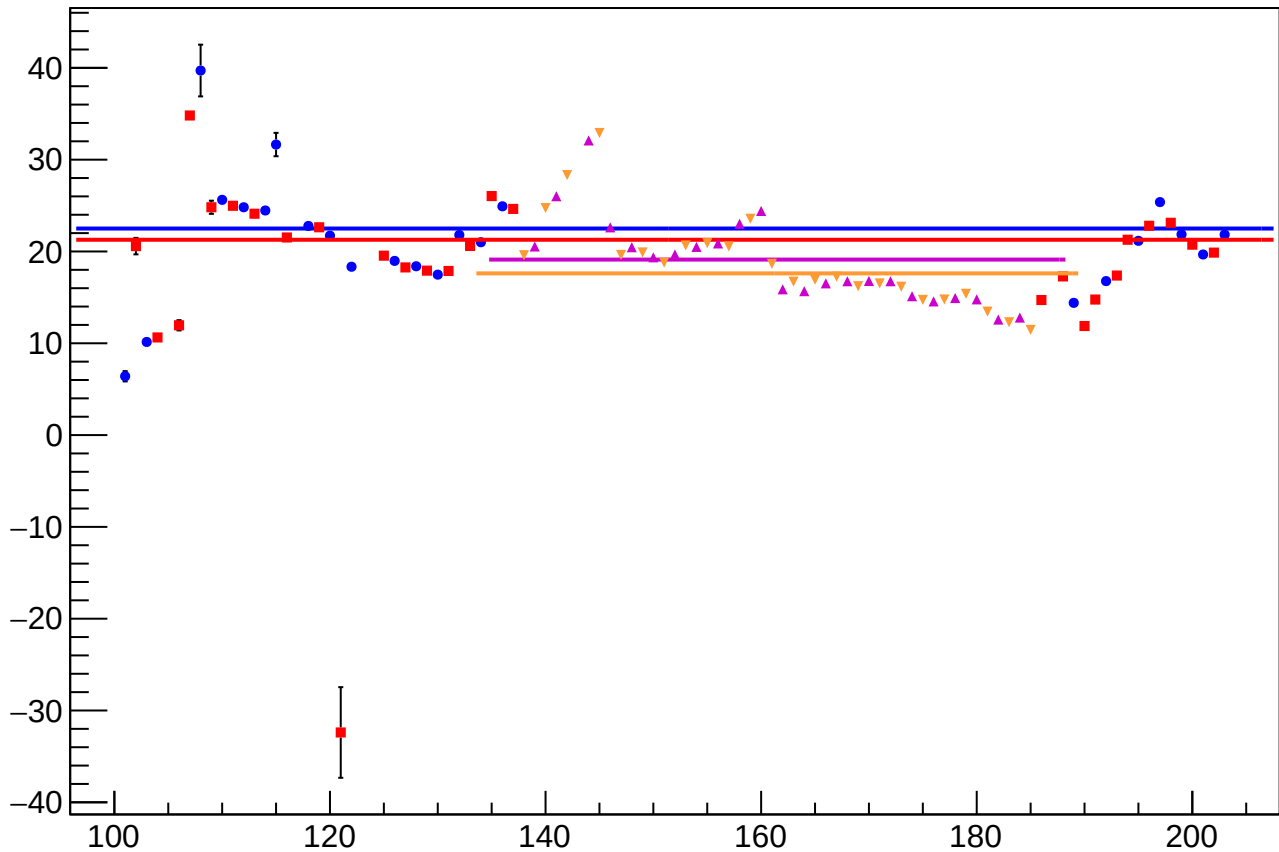
Right: -1.442 ± 0.013 χ^2/NDF : 68236.2/49

In: 0.412 ± 0.005 χ^2/NDF : 380637.1/45

Out: 0.649 ± 0.006 χ^2/NDF : 300329.3/50

All: 0.508 ± 0.004 χ^2/NDF : 681940.2/96

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.499 $\pm$ 0.018 χ^2 /NDF: 25907.0/22

Left Out: 17.613 $\pm$ 0.007 χ^2 /NDF:178438.8/23

Right Out: 21.276 $\pm$ 0.019 χ^2 /NDF: 28632.0/26

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

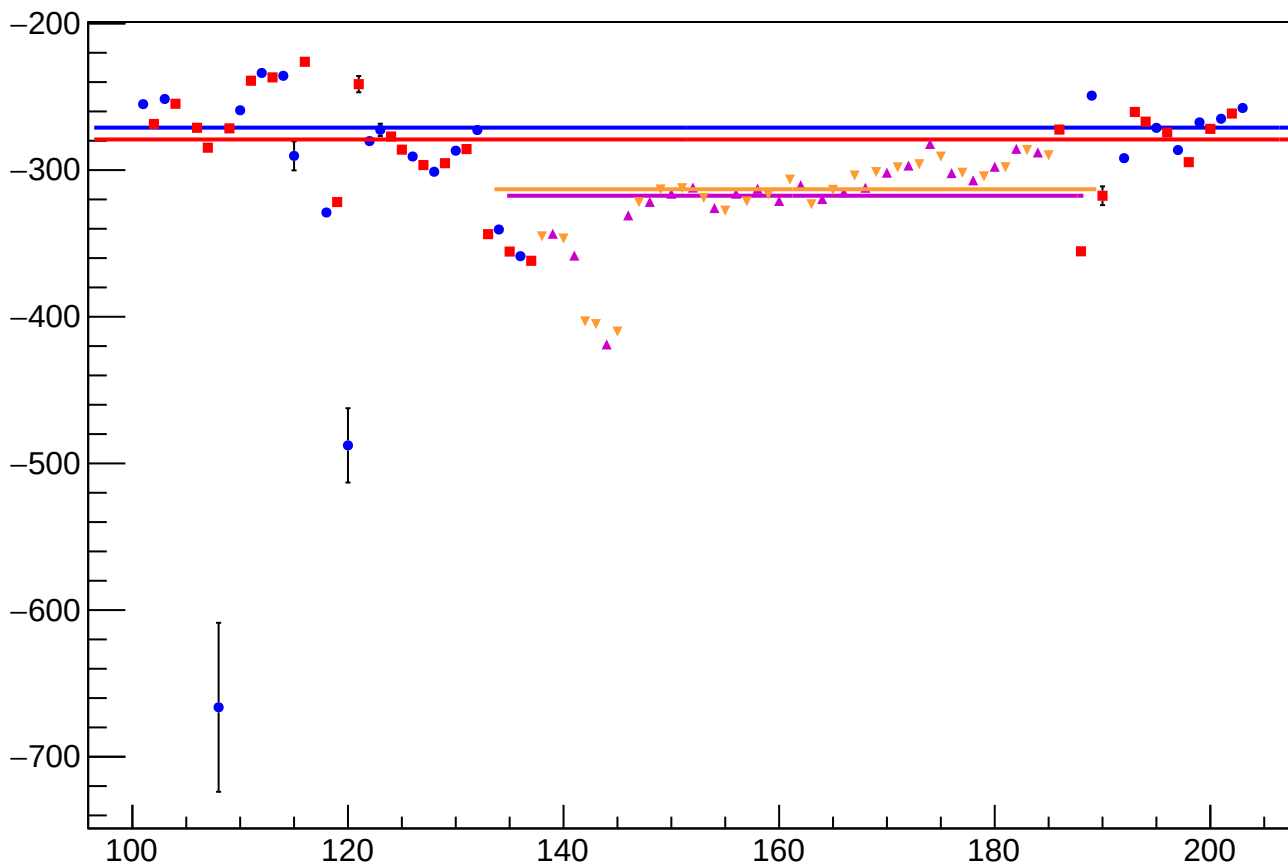
Right: 21.925 $\pm$ 0.013 χ^2 /NDF: 56770.6/49

In: 19.583 $\pm$ 0.007 χ^2 /NDF:286582.9/45

Out: 18.070 $\pm$ 0.007 χ^2 /NDF:240073.3/50

All: 18.836 $\pm$ 0.005 χ^2 /NDF: 552725.2/96

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -271.050+/-0.108 χ^2/NDF : 61963.4/23

Left Out: -313.052+/-0.096 χ^2/NDF : 54405.8/24

Right Out: -279.109+/-0.095 χ^2/NDF : 67863.2/26

Left In: -317.471+/-0.095 χ^2/NDF : 63067.6/22

Left: -315.276+/-0.068 χ^2/NDF : 118543.8/47

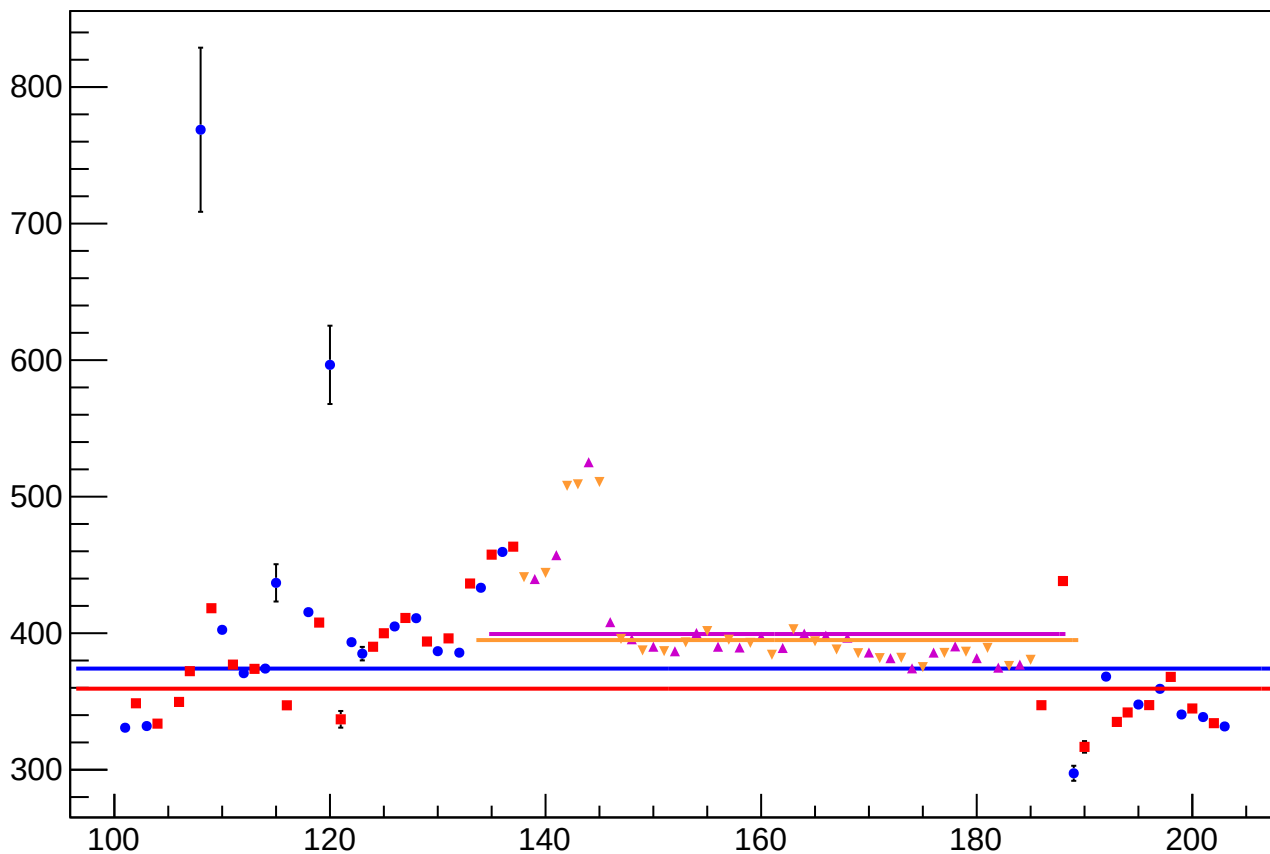
Right: -275.582+/-0.072 χ^2/NDF : 132947.3/50

In: -297.212+/-0.071 χ^2/NDF : 228770.9/46

Out: -296.013+/-0.068 χ^2/NDF : 185247.7/51

All: -296.579+/-0.049 χ^2/NDF : 414167.1/98

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094 ± 0.000 χ^2/NDF : 98625.7/23

Left Out: 394.968 ± 0.096 χ^2/NDF : 68076.2/24

Right Out: 359.374 ± 0.095 χ^2/NDF : 100448.2/26

Left In: 399.410 ± 0.097 χ^2/NDF : 77209.0/22

Left: 397.169 ± 0.068 χ^2/NDF : 146345.7/47

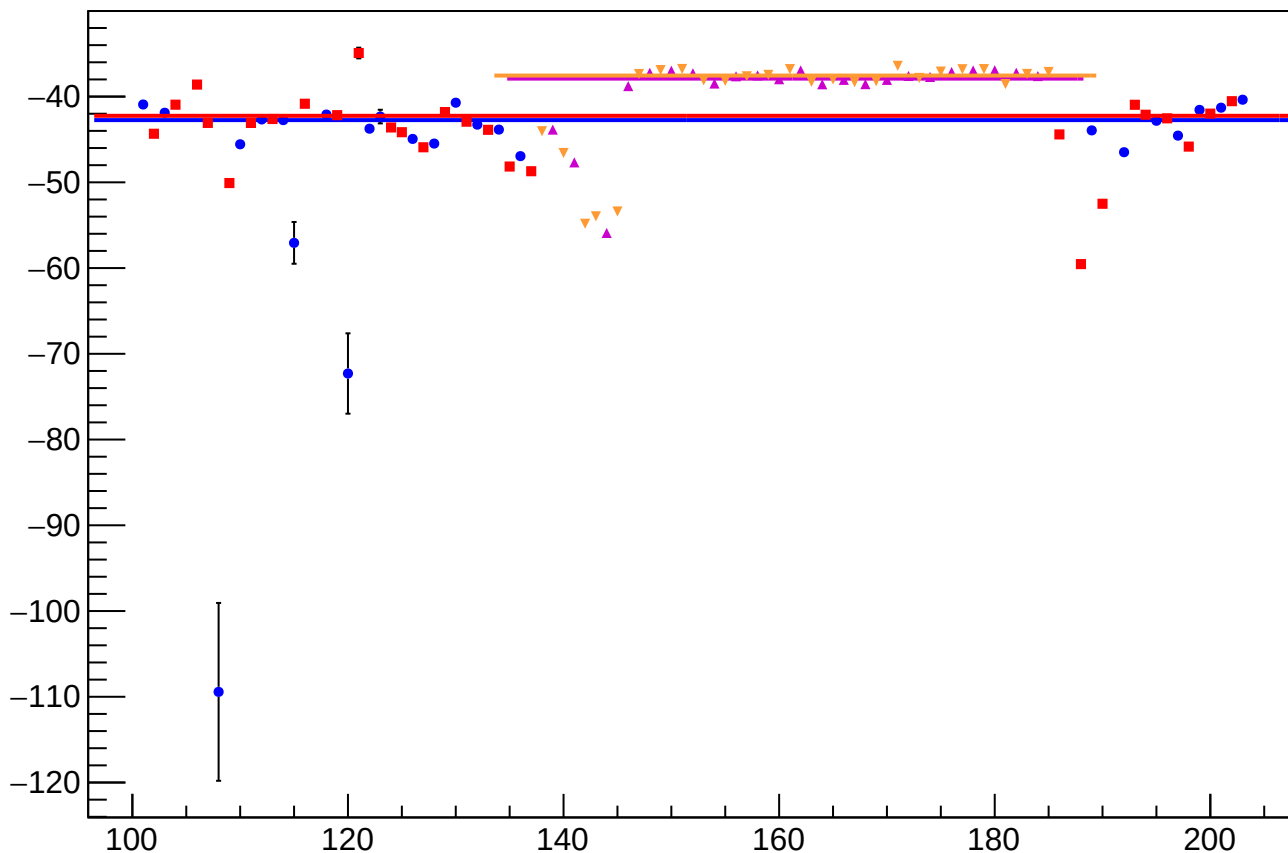
Right: 374.094 ± 0.000 χ^2/NDF : 223062.9/50

In: 374.094 ± 0.000 χ^2/NDF : 244139.7/46

Out: 376.989 ± 0.068 χ^2/NDF : 237946.0/51

All: 374.094 ± 0.000 χ^2/NDF : 483923.8/98

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744 $\pm$ 0.000 χ^2 /NDF: 20813.6/23

Left Out: -37.547 $\pm$ 0.004 χ^2 /NDF:267131.7/24

Right Out: -42.241 $\pm$ 0.011 χ^2 /NDF: 25938.6/26

Left In: -37.903 $\pm$ 0.004 χ^2 /NDF:156960.8/22

Left: -37.711 $\pm$ 0.003 χ^2 /NDF: 428070.7/47

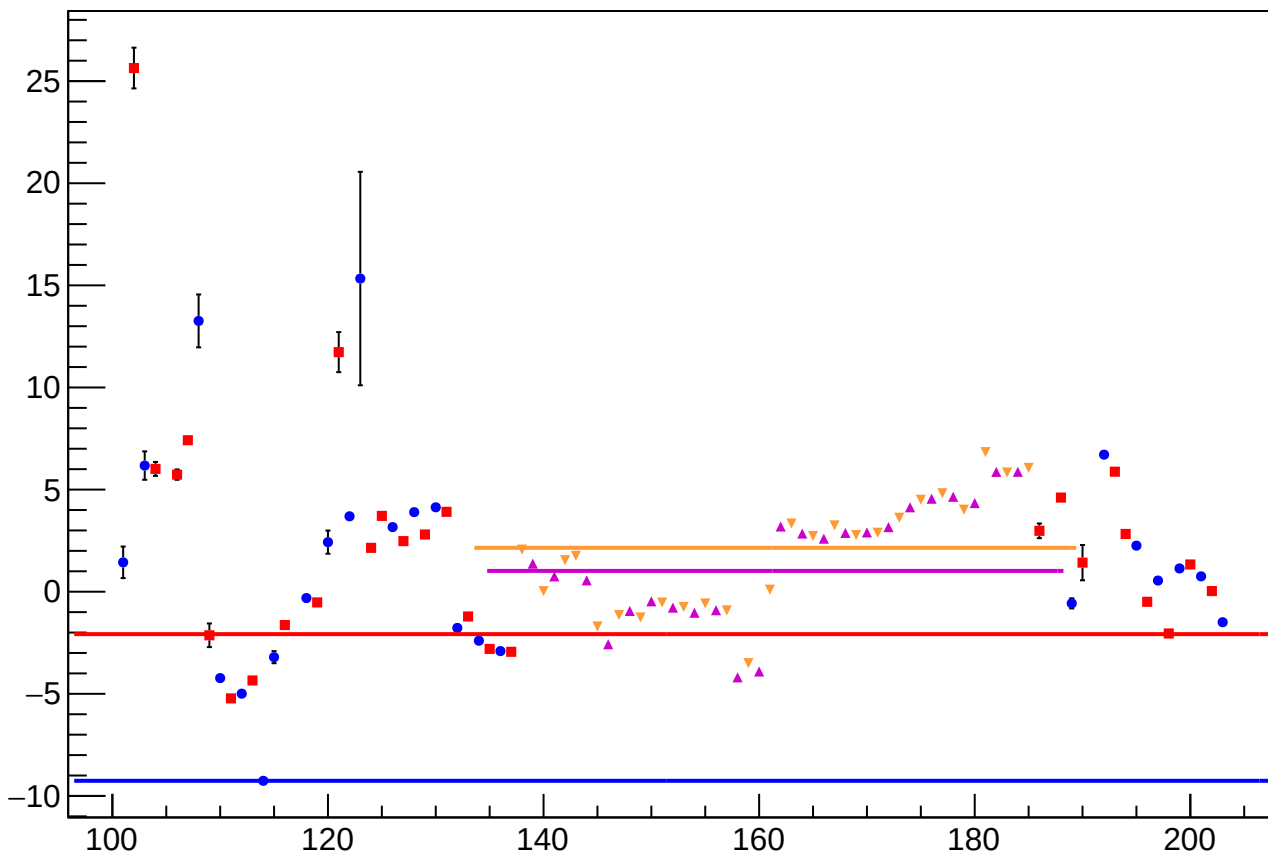
Right: -42.744 $\pm$ 0.000 χ^2 /NDF: 48715.5/50

In: -42.744 $\pm$ 0.000 χ^2 /NDF:1539667.9/46

Out: -38.028 $\pm$ 0.004 χ^2 /NDF:446593.3/51

All: -42.744 $\pm$ 0.000 χ^2 /NDF: 3670249.5/98

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259+/-0.000 χ^2/NDF : 471608.7/23

Left Out: 2.149+/-0.005 χ^2/NDF : 290739.3/24

Right Out: -2.077+/-0.008 χ^2/NDF : 70127.0/26

Left In: 1.019+/-0.006 χ^2/NDF : 250029.0/22

Left: 1.671+/-0.004 χ^2/NDF : 563410.5/47

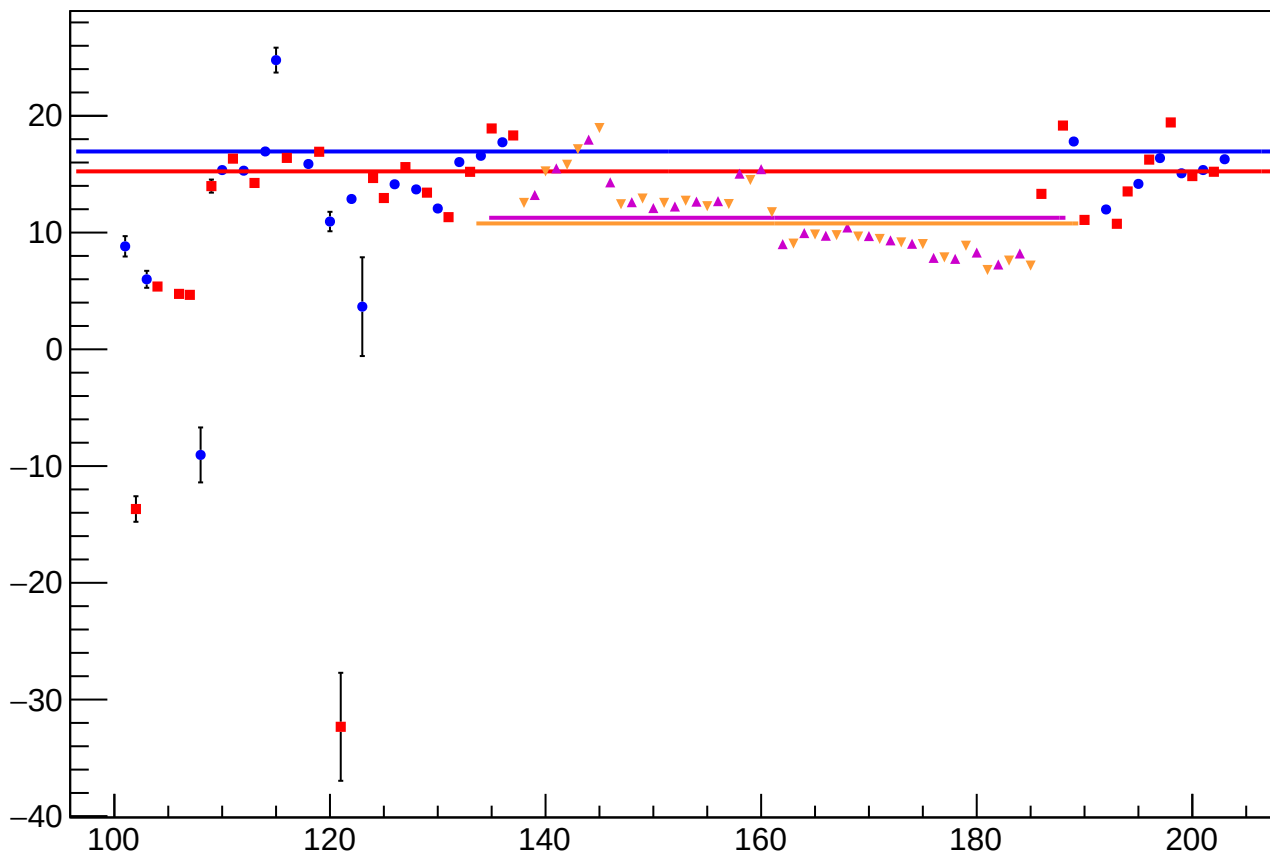
Right: -9.259+/-0.000 χ^2/NDF : 1451667.9/50

In: -9.259+/-0.000 χ^2/NDF : 3969678.5/46

Out: 0.895+/-0.004 χ^2/NDF : 582545.0/51

All: -9.259+/-0.000 χ^2/NDF : 10683335.3/98

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 $\pm$ 0.000 χ^2 /NDF: 13616.0/23

Left Out: 10.782 $\pm$ 0.007 χ^2 /NDF:129427.5/24

Right Out: 15.241 $\pm$ 0.015 χ^2 /NDF: 33905.6/26

Left In: 11.267 $\pm$ 0.008 χ^2 /NDF:98438.0/22

Left: 10.986 $\pm$ 0.005 χ^2 /NDF: 230089.4/47

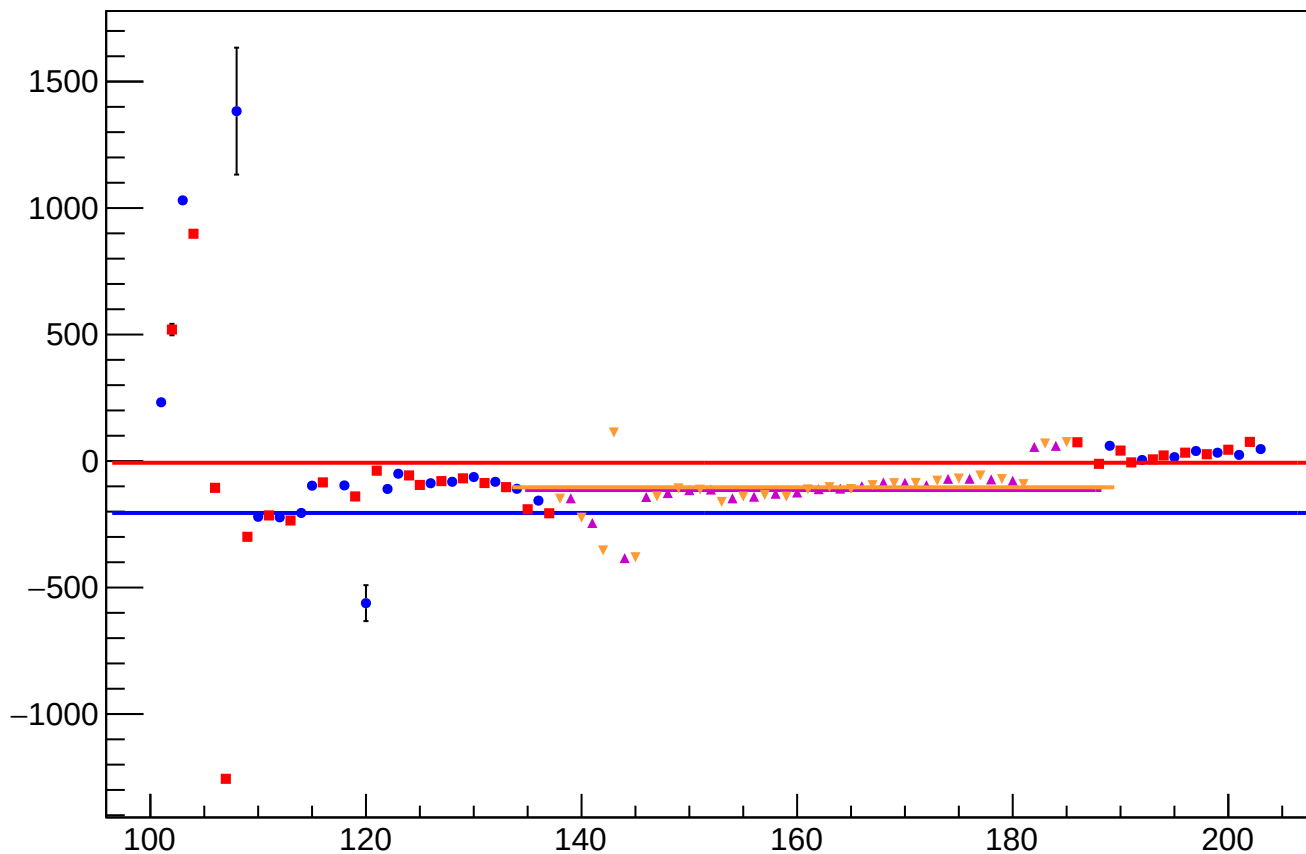
Right: 16.947 $\pm$ 0.000 χ^2 /NDF: 60850.1/50

In: 16.947 $\pm$ 0.000 χ^2 /NDF:636717.3/46

Out: 11.537 $\pm$ 0.006 χ^2 /NDF:239058.4/51

All: 16.947 $\pm$ 0.000 χ^2 /NDF: 1668307.6/98

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 1855295.6/23$

Left Out: -103.842 ± 0.192 $\chi^2/\text{NDF}: 94751.7/24$

Right Out: -6.778 ± 0.203 $\chi^2/\text{NDF}: 185997.0/27$

Left In: -114.444 ± 0.225 $\chi^2/\text{NDF}: 76837.7/22$

Left: -108.306 ± 0.146 $\chi^2/\text{NDF}: 172877.4/47$

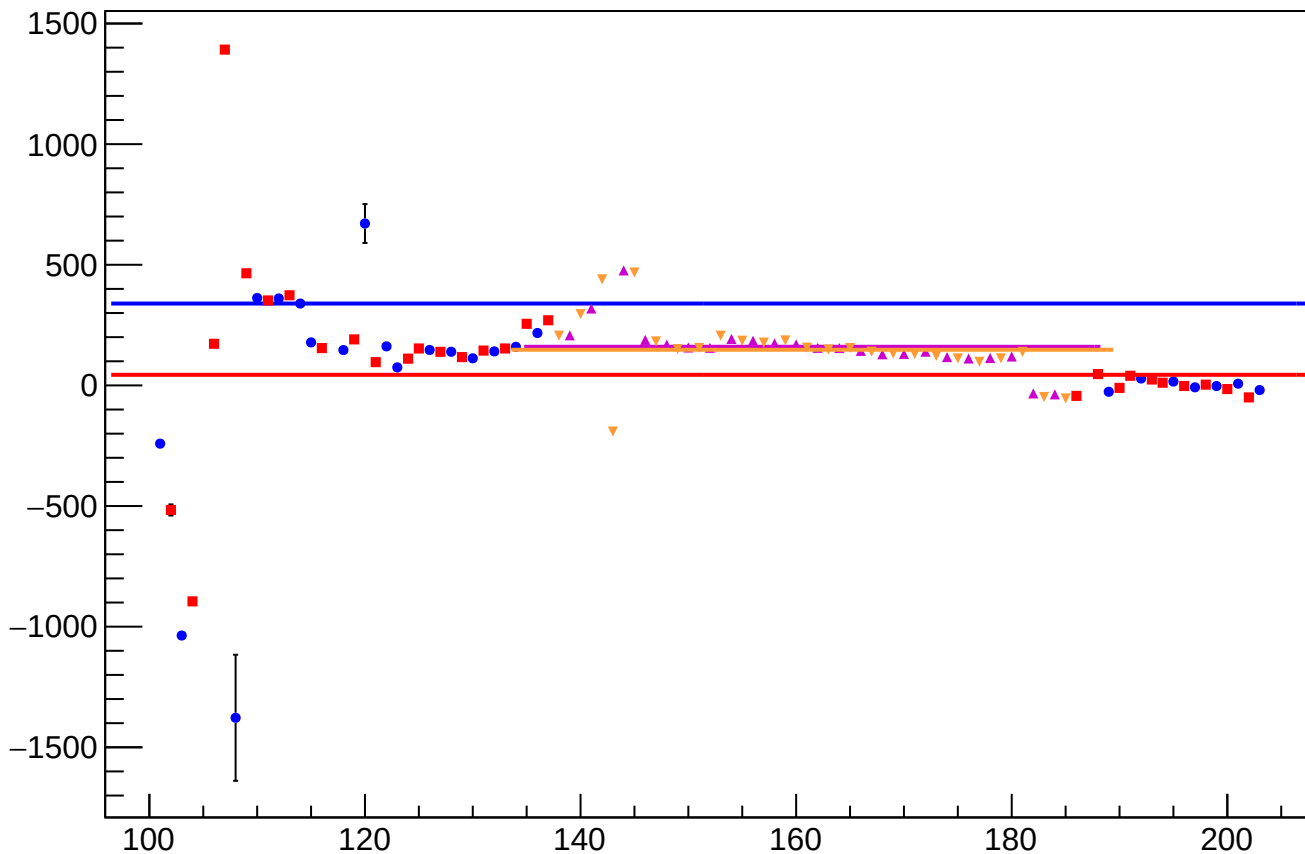
Right: -205.160 ± 0.000 $\chi^2/\text{NDF}: 2993966.0/51$

In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 2095014.8/46$

Out: -58.149 ± 0.139 $\chi^2/\text{NDF}: 401452.0/52$

All: -205.160 ± 0.000 $\chi^2/\text{NDF}: 3607807.2/99$

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325 ± 0.000 χ^2/NDF : 2322720.4/23

Left Out: 147.771 ± 0.196 χ^2/NDF : 134281.2/24

Right Out: 43.961 ± 0.199 χ^2/NDF : 280143.8/27

Left In: 160.049 ± 0.230 χ^2/NDF : 83579.0/22

Left: 152.950 ± 0.149 χ^2/NDF : 219512.9/47

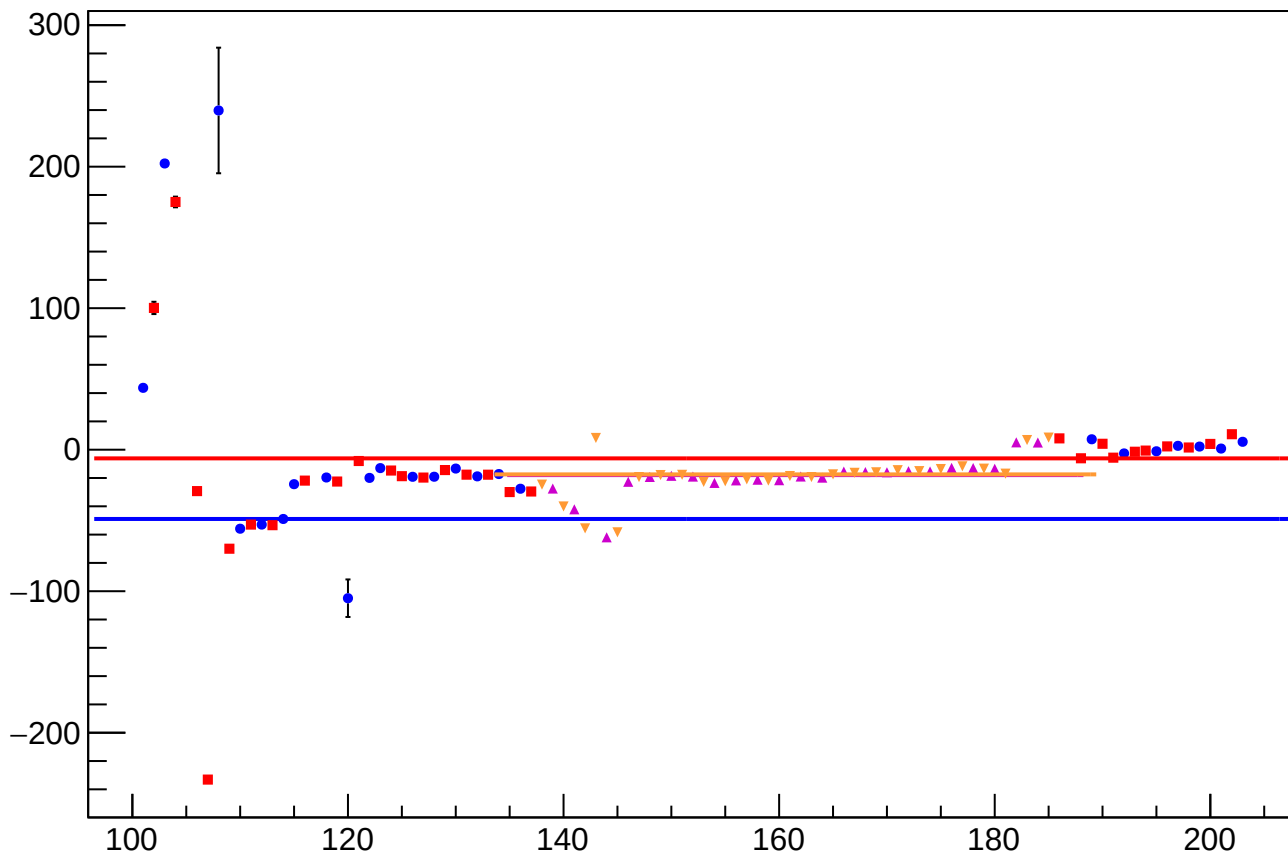
Right: 339.325 ± 0.000 χ^2/NDF : 4806984.6/51

In: 339.325 ± 0.000 χ^2/NDF : 3015638.4/46

Out: 96.599 ± 0.140 χ^2/NDF : 552483.8/52

All: 339.325 ± 0.000 χ^2/NDF : 6587809.0/99

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945+/-0.000 χ^2/NDF : 7814491.6/23

Left Out: -17.446+/-0.010 χ^2/NDF : 714044.4/24

Right Out: -6.133+/-0.026 χ^2/NDF : 404613.5/27

Left In: -17.951+/-0.012 χ^2/NDF : 252123.1/22

Left: -17.648+/-0.008 χ^2/NDF : 967185.6/47

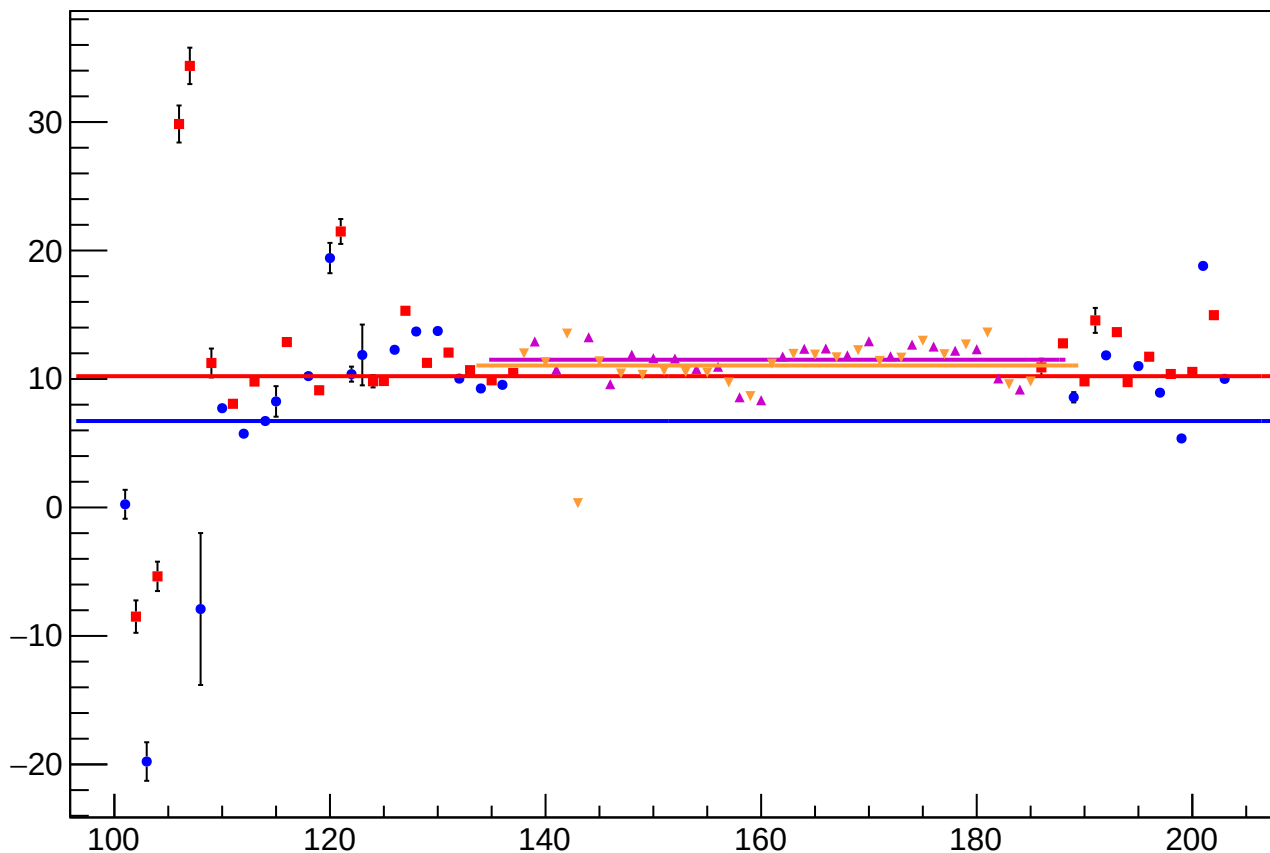
Right: -48.945+/-0.000 χ^2/NDF : 10833266.0/51

In: -48.945+/-0.000 χ^2/NDF : 14453225.7/46

Out: -16.031+/-0.009 χ^2/NDF : 1278357.8/52

All: -48.945+/-0.000 χ^2/NDF : 28089483.4/99

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 $\pm$ 0.000 χ^2 /NDF: 17748.0/23

Left Out: 11.049 $\pm$ 0.012 χ^2 /NDF:31618.4/24

Right Out: 10.219 $\pm$ 0.033 χ^2 /NDF: 6292.3/27

Left In: 11.498 $\pm$ 0.010 χ^2 /NDF:15848.8/22

Left: 11.309 $\pm$ 0.008 χ^2 /NDF: 48246.1/47

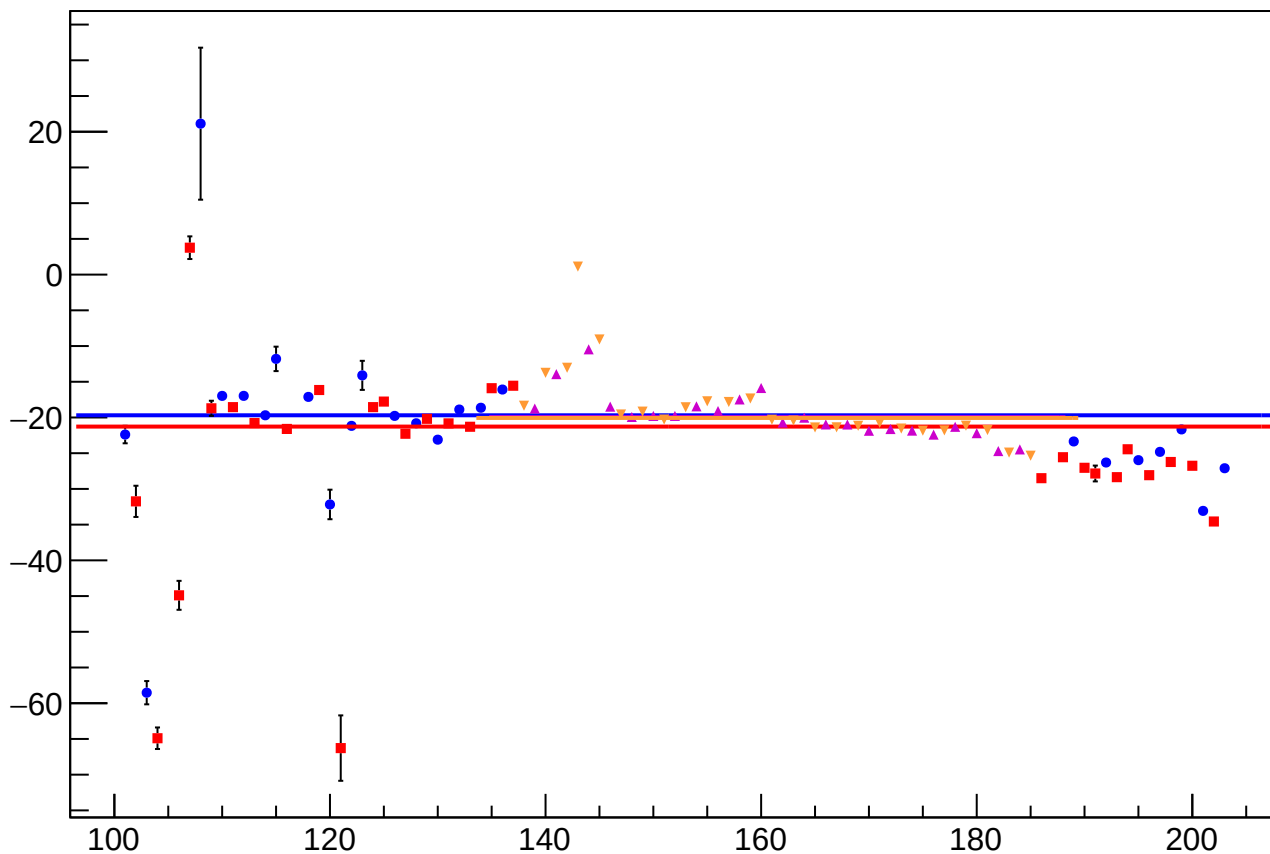
Right: 6.728 $\pm$ 0.000 χ^2 /NDF: 35279.1/51

In: 6.728 $\pm$ 0.000 χ^2 /NDF:242803.4/46

Out: 10.948 $\pm$ 0.011 χ^2 /NDF:38469.3/52

All: 6.728 $\pm$ 0.000 χ^2 /NDF: 416407.8/99

dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -19.693 ± 0.000 χ^2/NDF : 14877.9/23

Left Out: -20.065 ± 0.014 χ^2/NDF : 71466.1/24

Right Out: -21.274 ± 0.043 χ^2/NDF : 8930.3/27

Left In: -19.955 ± 0.015 χ^2/NDF : 22657.6/22

Left: -20.015 ± 0.010 χ^2/NDF : 94152.2/47

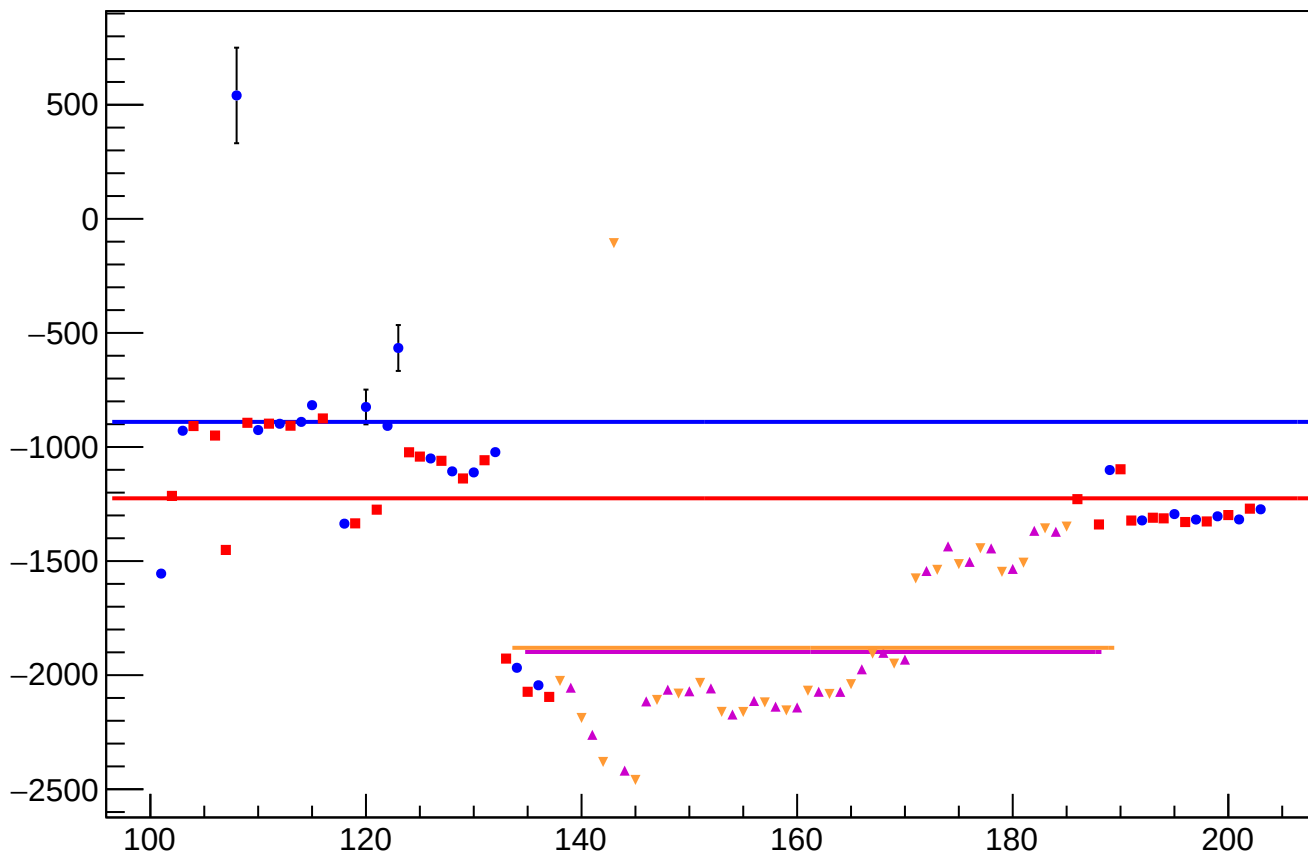
Right: -19.693 ± 0.000 χ^2/NDF : 25175.3/51

In: -19.693 ± 0.000 χ^2/NDF : 37836.5/46

Out: -20.179 ± 0.013 χ^2/NDF : 81120.4/52

All: -19.693 ± 0.000 χ^2/NDF : 120321.7/99

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928 ± 0.000 $\chi^2/\text{NDF}: 1902562.3/23$

Left Out: -1880.162 ± 0.353 $\chi^2/\text{NDF}: 873293.0/24$

Right Out: -1224.936 ± 0.200 $\chi^2/\text{NDF}: 984895.5/27$

Left In: -1898.497 ± 0.364 $\chi^2/\text{NDF}: 698003.8/22$

Left: -1889.053 ± 0.253 $\chi^2/\text{NDF}: 1572605.5/47$

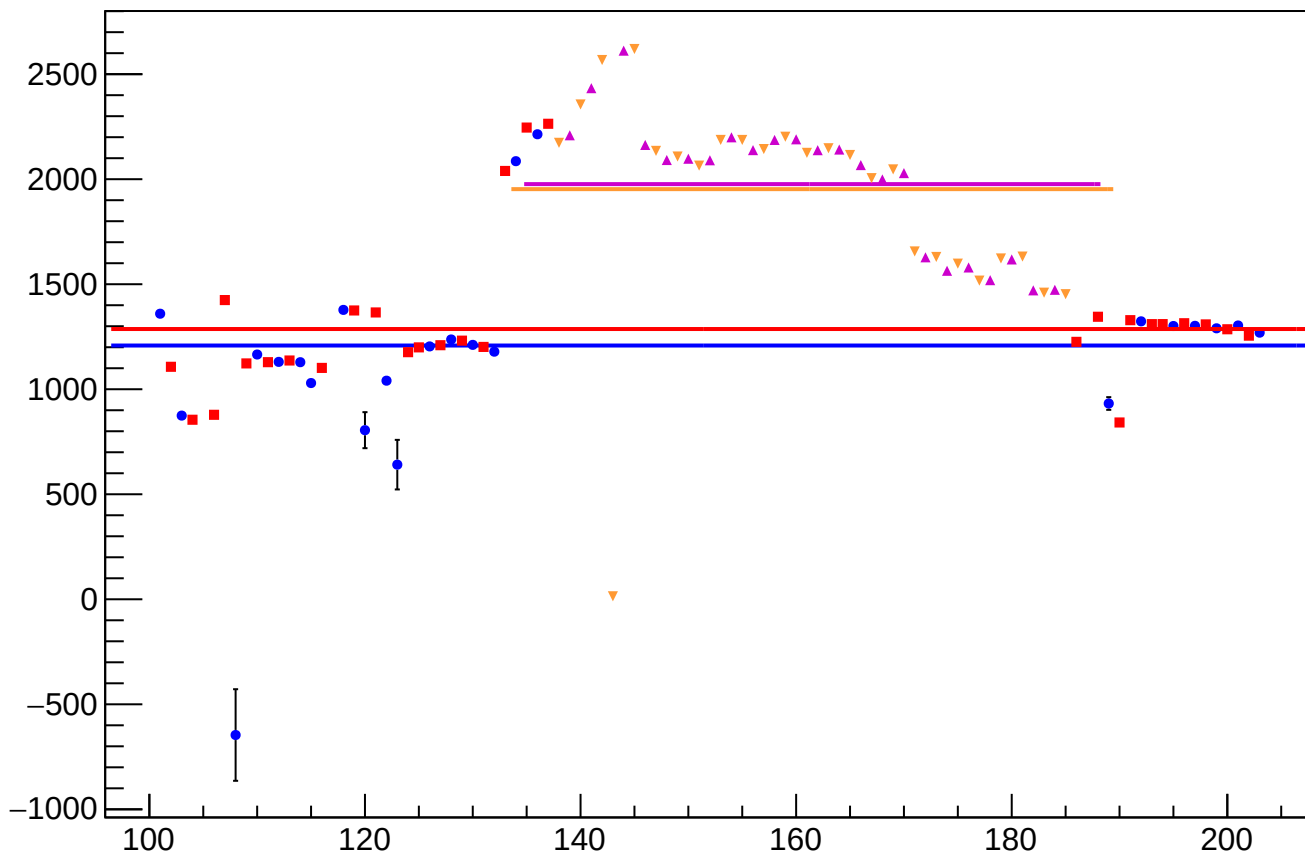
Right: -889.928 ± 0.000 $\chi^2/\text{NDF}: 5681533.7/51$

In: -889.928 ± 0.000 $\chi^2/\text{NDF}: 10289364.9/46$

Out: -1384.699 ± 0.174 $\chi^2/\text{NDF}: 4464325.8/52$

All: -889.928 ± 0.000 $\chi^2/\text{NDF}: 22813350.8/9$

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1208.142 $\pm$ 0.207 χ^2 /NDF: 587893.1/23

Left Out: 1952.706 $\pm$ 0.354 χ^2 /NDF: 820225.3/24

Right Out: 1286.716 $\pm$ 0.200 χ^2 /NDF: 534415.0/27

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

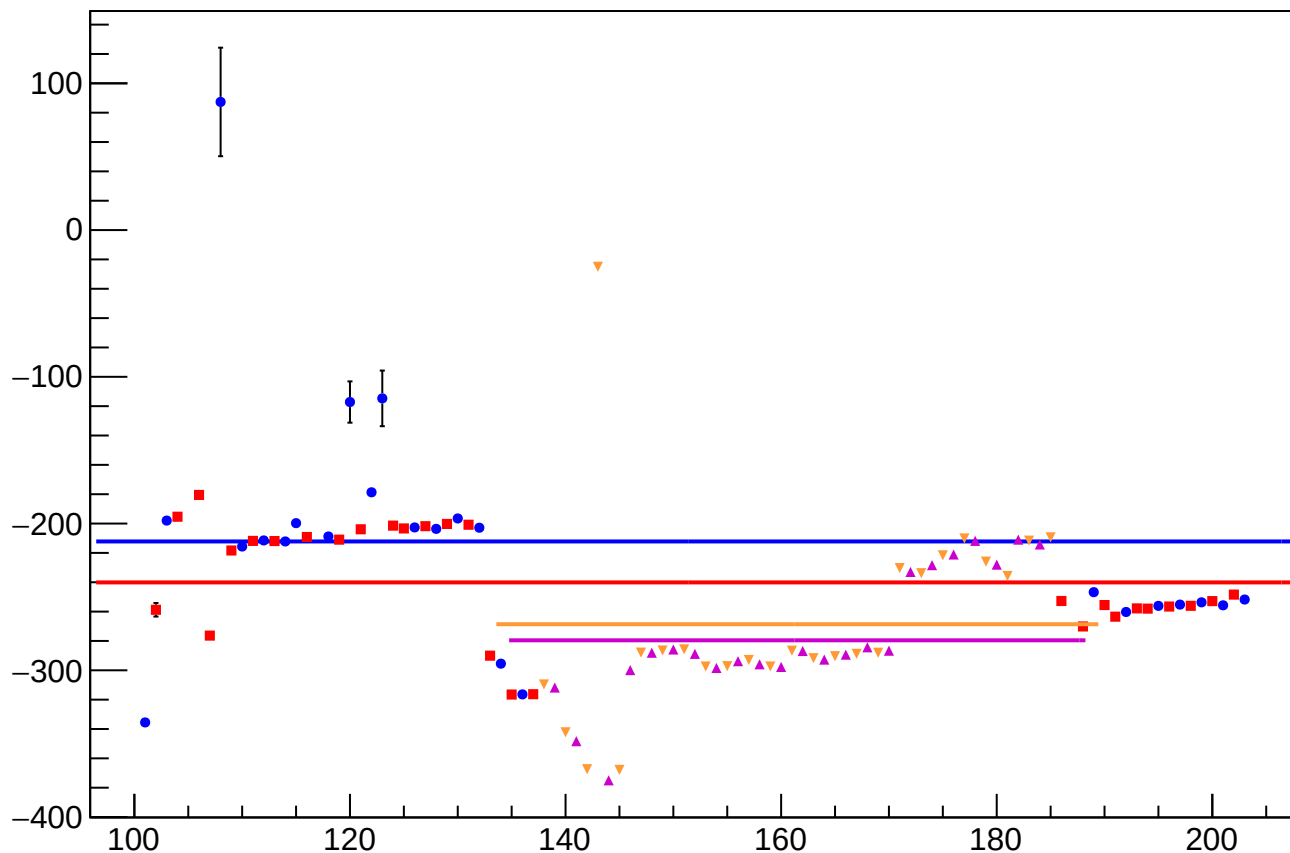
Right: 1248.790 $\pm$ 0.144 χ^2 /NDF: 1197170.4/51

In: 1392.812 $\pm$ 0.180 χ^2 /NDF: 4539919.2/46

Out: 1447.268 $\pm$ 0.174 χ^2 /NDF: 4040807.7/52

All: 1420.997 $\pm$ 0.125 χ^2 /NDF: 8628083.7/99

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 1927006.0/23$

Left Out: -268.611 ± 0.022 $\chi^2/\text{NDF}: 7041710.3/24$

Right Out: -240.107 ± 0.025 $\chi^2/\text{NDF}: 967398.8/27$

Left In: -279.563 ± 0.022 $\chi^2/\text{NDF}: 2298119.7/22$

Left: -274.180 ± 0.015 $\chi^2/\text{NDF}: 9465442.7/47$

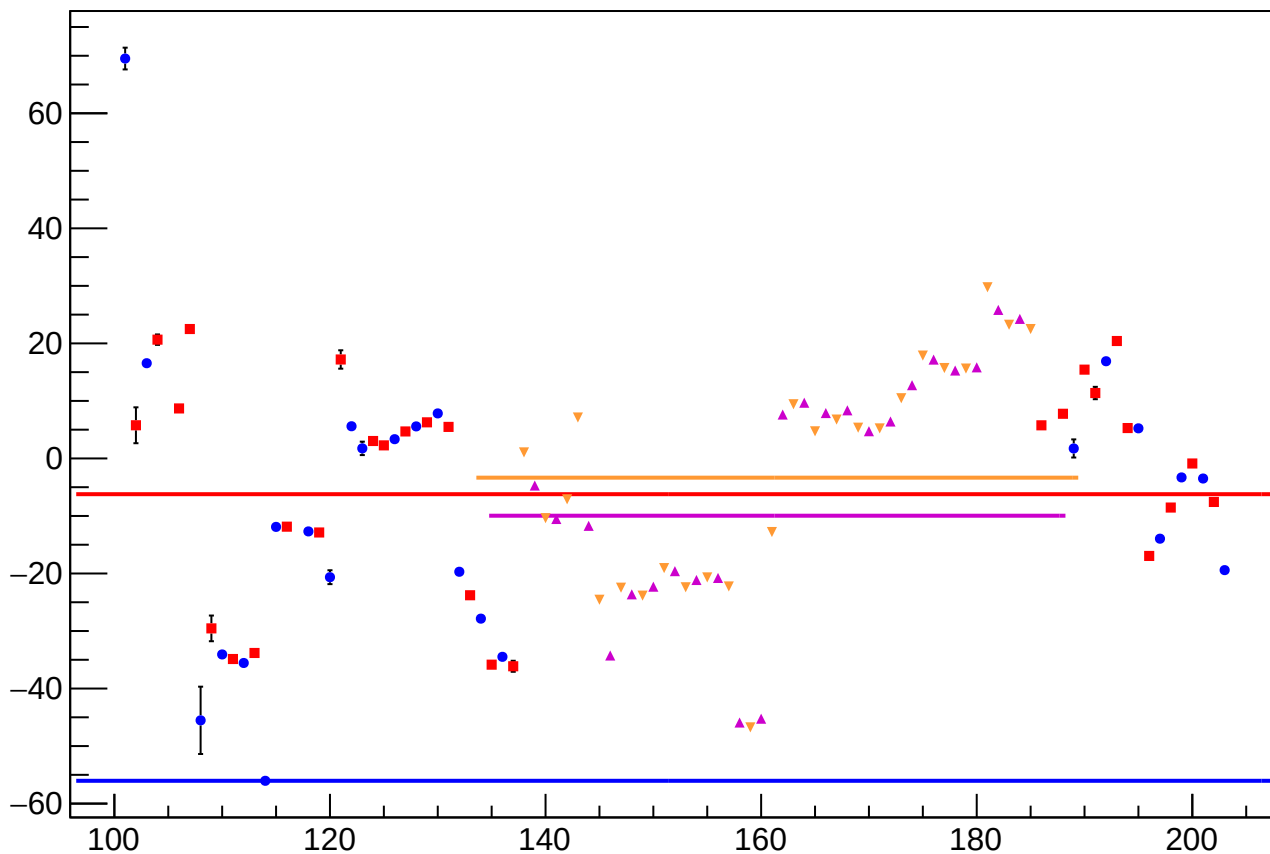
Right: -212.190 ± 0.000 $\chi^2/\text{NDF}: 4094283.9/51$

In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 13896833.9/46$

Out: -256.418 ± 0.017 $\chi^2/\text{NDF}: 8724906.8/52$

All: -212.190 ± 0.000 $\chi^2/\text{NDF}: 29662139.0/9$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037 ± 0.000 χ^2/NDF : 1755428.7/23

Left Out: -3.341 ± 0.018 χ^2/NDF : 1399746.6/24

Right Out: -6.214 ± 0.039 χ^2/NDF : 188970.6/27

Left In: -9.956 ± 0.018 χ^2/NDF : 1689839.0/22

Left: -6.485 ± 0.013 χ^2/NDF : 3156876.8/47

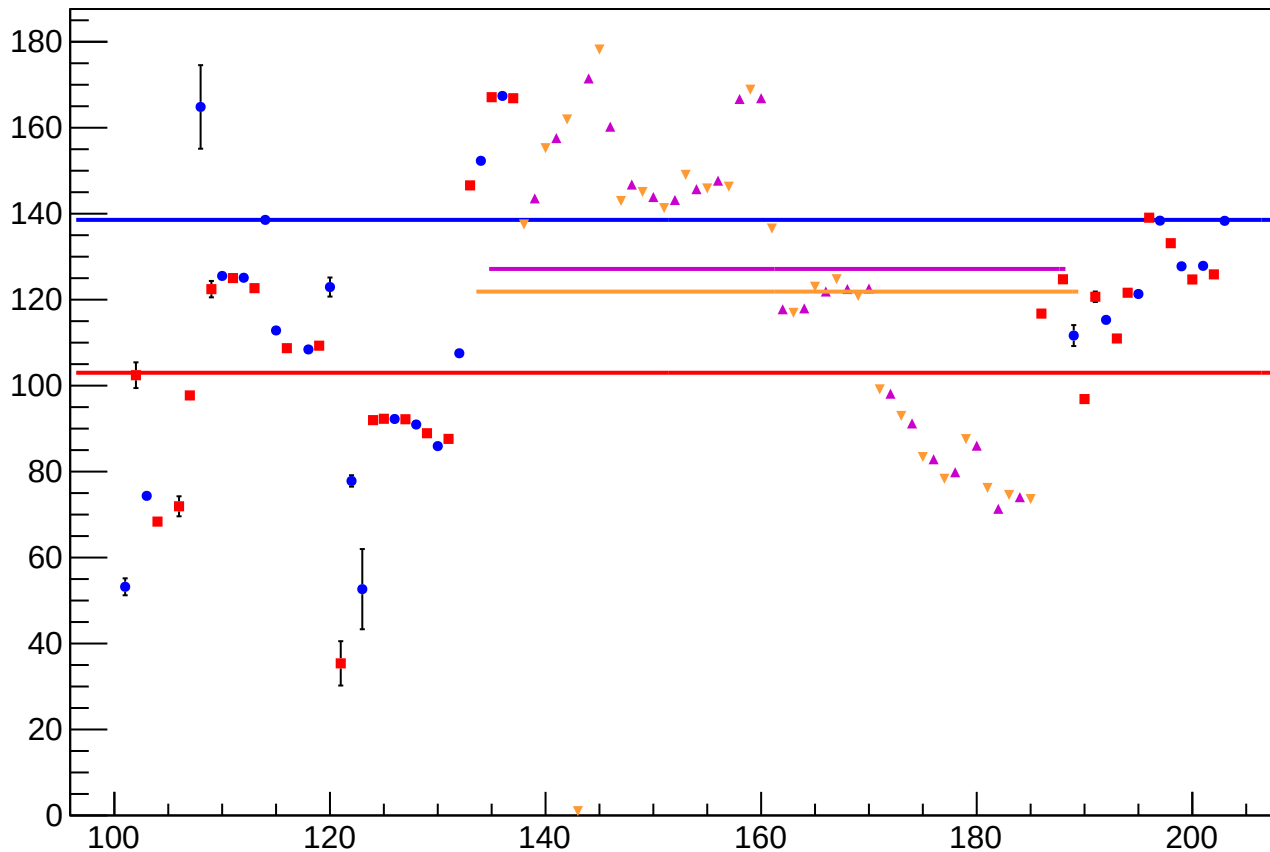
Right: -56.037 ± 0.000 χ^2/NDF : 3579334.9/51

In: -56.037 ± 0.000 χ^2/NDF : 9669625.9/46

Out: -3.827 ± 0.016 χ^2/NDF : 1593233.3/52

All: -56.037 ± 0.000 χ^2/NDF : 21881098.1/99

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000 χ^2 /NDF: 913760.8/23

Left Out: 121.875 $\pm$ 0.024 χ^2 /NDF: 1617383.6/24

Right Out: 102.998 $\pm$ 0.032 χ^2 /NDF: 360233.6/27

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

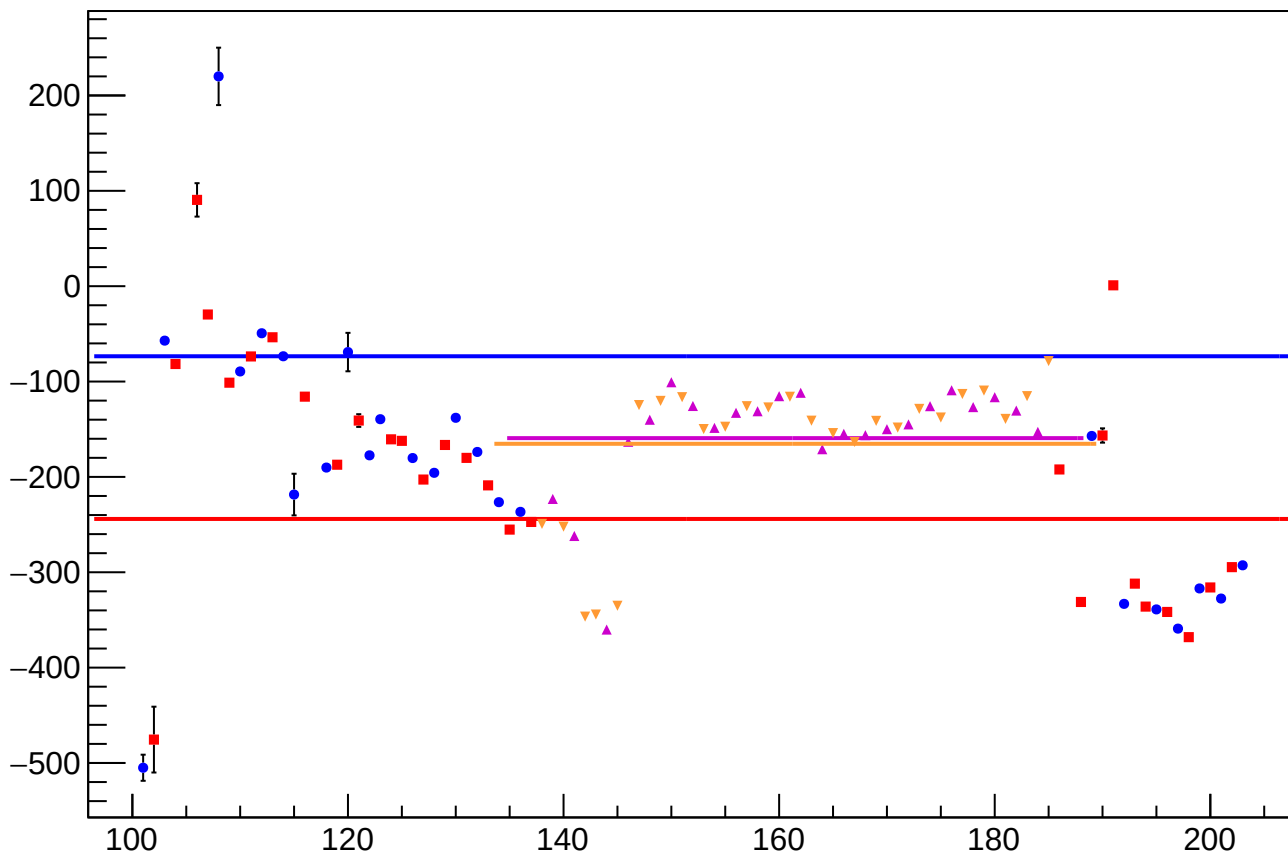
Right: 138.565 $\pm$ 0.000 χ^2 /NDF: 2540539.0/51

In: 138.565 $\pm$ 0.000 χ^2 /NDF: 2444210.0/46

Out: 114.861 $\pm$ 0.019 χ^2 /NDF: 2201813.8/52

All: 138.565 $\pm$ 0.000 χ^2 /NDF: 6160109.5/99

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 467054.9/23$

Left Out: -165.282 ± 0.232 $\chi^2/\text{NDF}: 84301.0/24$

Right Out: -244.096 ± 0.228 $\chi^2/\text{NDF}: 214310.7/27$

Left In: -159.346 ± 0.239 $\chi^2/\text{NDF}: 73885.5/22$

Left: -162.407 ± 0.166 $\chi^2/\text{NDF}: 158504.2/47$

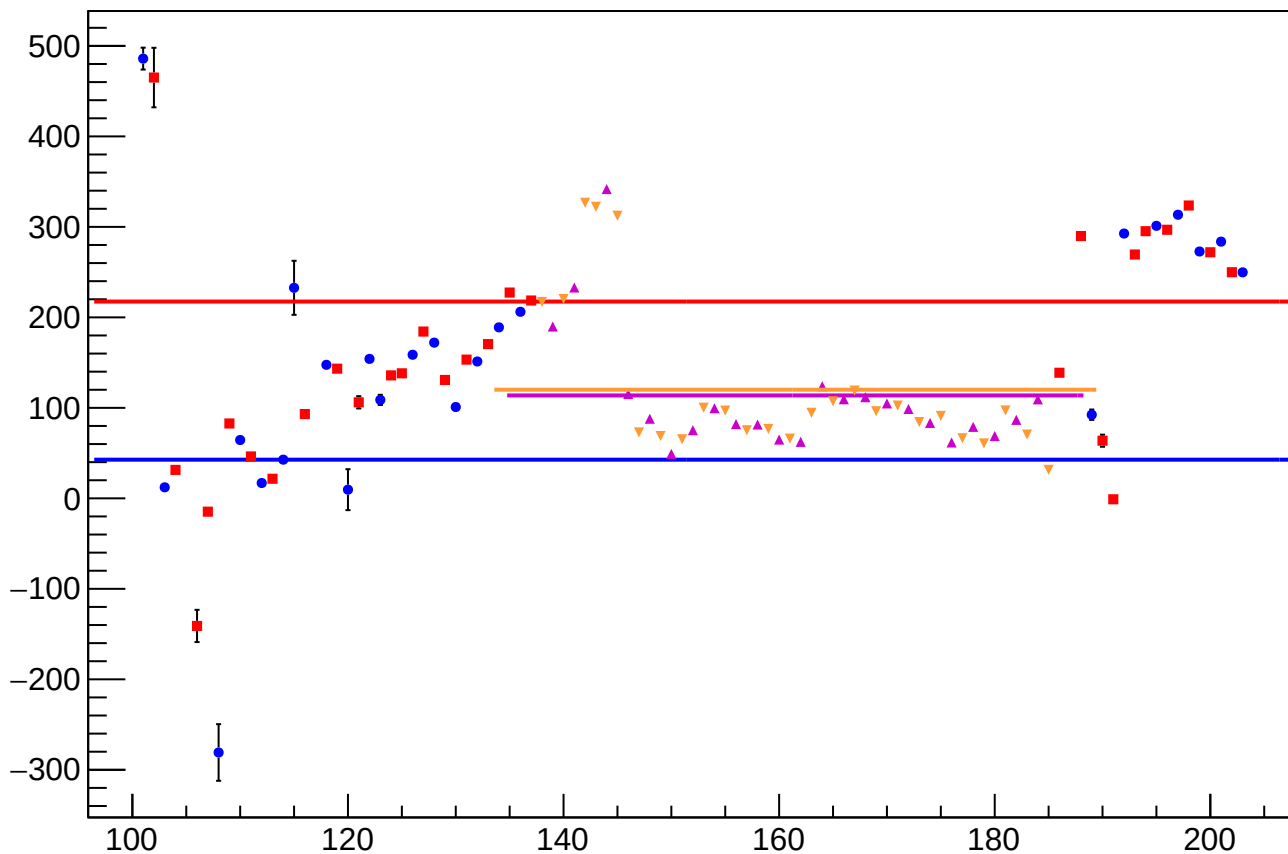
Right: -73.485 ± 0.000 $\chi^2/\text{NDF}: 1240646.3/51$

In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 669846.2/46$

Out: -205.306 ± 0.163 $\chi^2/\text{NDF}: 357352.9/52$

All: -73.485 ± 0.000 $\chi^2/\text{NDF}: 1684653.9/99$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743 ± 0.000 $\chi^2/\text{NDF}: 437866.0/23$

Left Out: 120.053 ± 0.237 $\chi^2/\text{NDF}: 97926.9/24$

Right Out: 217.469 ± 0.233 $\chi^2/\text{NDF}: 171264.7/27$

Left In: 113.733 ± 0.246 $\chi^2/\text{NDF}: 81886.4/22$

Left: 117.016 ± 0.171 $\chi^2/\text{NDF}: 180155.1/47$

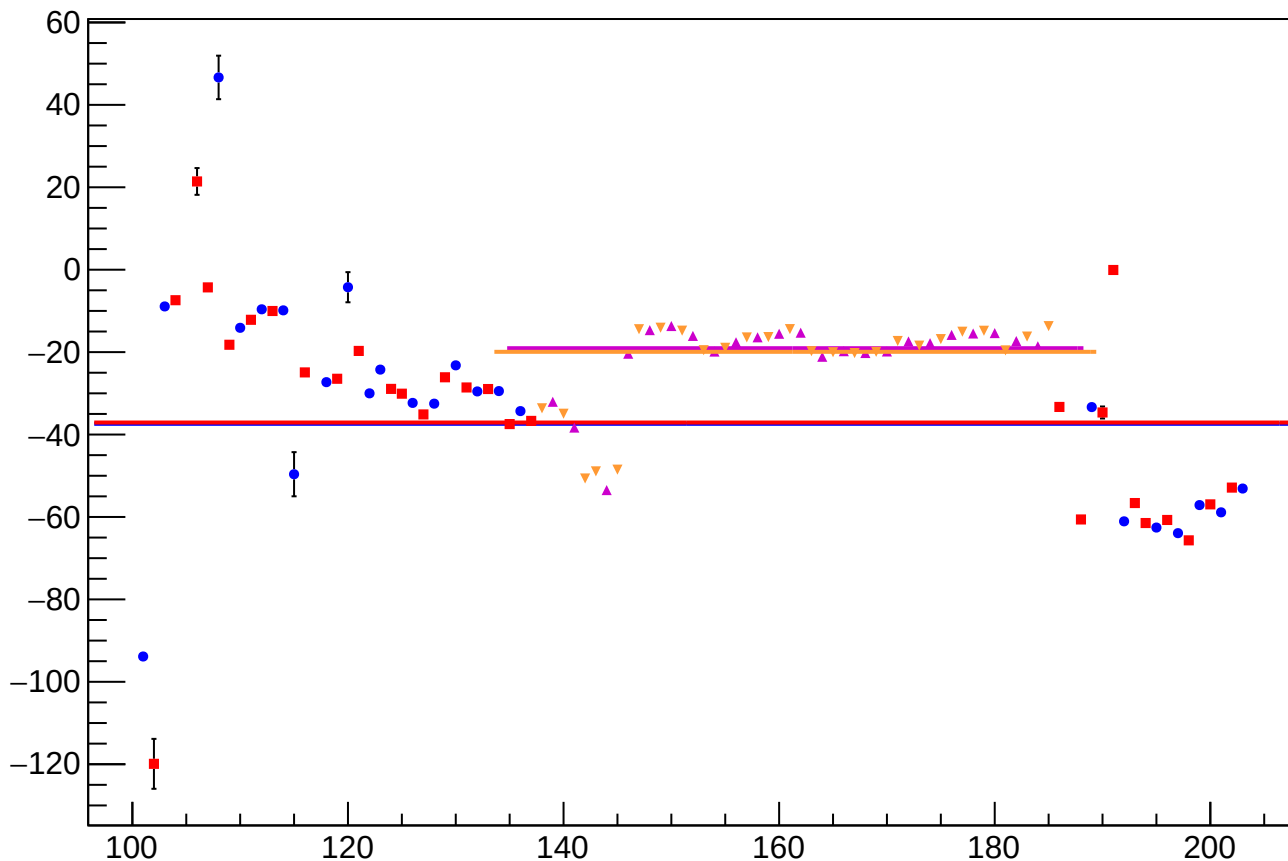
Right: 42.743 ± 0.000 $\chi^2/\text{NDF}: 1169559.0/51$

In: 42.743 ± 0.000 $\chi^2/\text{NDF}: 602815.5/46$

Out: 169.502 ± 0.166 $\chi^2/\text{NDF}: 354969.5/52$

All: 42.743 ± 0.000 $\chi^2/\text{NDF}: 1538866.4/99$

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -37.399 ± 0.029 $\chi^2/\text{NDF}: 263457.3/23$

Left Out: -19.926 ± 0.012 $\chi^2/\text{NDF}: 374900.2/24$

Right Out: -37.081 ± 0.027 $\chi^2/\text{NDF}: 654720.4/27$

Left In: -19.047 ± 0.014 $\chi^2/\text{NDF}: 214747.8/22$

Left: -19.543 ± 0.009 $\chi^2/\text{NDF}: 591888.6/47$

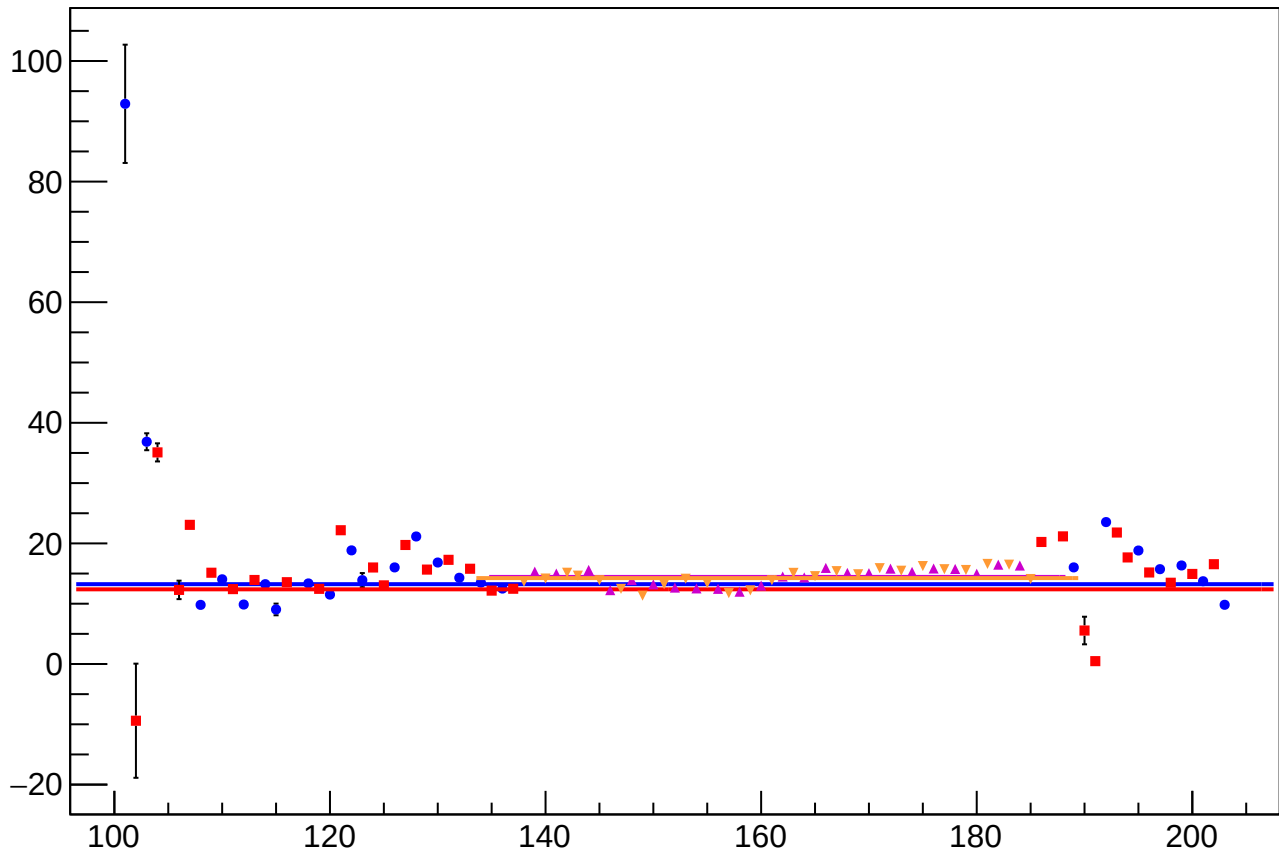
Right: -37.225 ± 0.020 $\chi^2/\text{NDF}: 918242.4/51$

In: -22.457 ± 0.013 $\chi^2/\text{NDF}: 799872.1/46$

Out: -22.938 ± 0.011 $\chi^2/\text{NDF}: 1373418.2/52$

All: -22.726 ± 0.008 $\chi^2/\text{NDF}: 2174110.5/99$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238 $\pm$ 0.000 χ^2 /NDF: 8120.6/23

Left Out: 14.245 $\pm$ 0.012 χ^2 /NDF:12367.6/24

Right Out: 12.382 $\pm$ 0.038 χ^2 /NDF: 24856.7/27

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

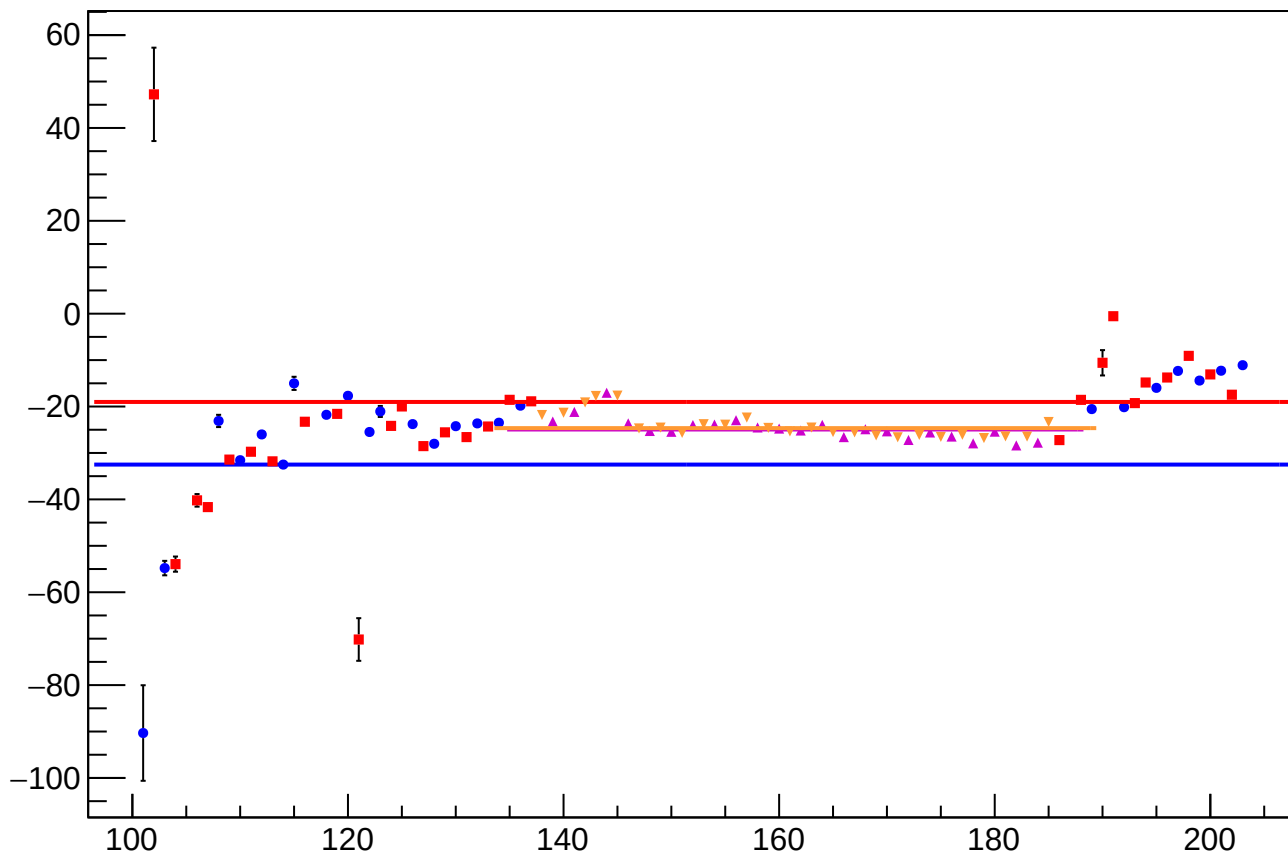
Right: 13.238 $\pm$ 0.000 χ^2 /NDF: 33473.5/51

In: 13.238 $\pm$ 0.000 χ^2 /NDF:31742.3/46

Out: 14.080 $\pm$ 0.011 χ^2 /NDF:39369.8/52

All: 13.238 $\pm$ 0.000 χ^2 /NDF: 76532.5/99

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 ± 0.000 χ^2/NDF : 97737.1/23

Left Out: -24.652 ± 0.015 χ^2/NDF : 23058.0/24

Right Out: -19.014 ± 0.039 χ^2/NDF : 65760.7/27

Left In: -24.948 ± 0.015 χ^2/NDF : 14049.6/22

Left: -24.798 ± 0.011 χ^2/NDF : 37300.4/47

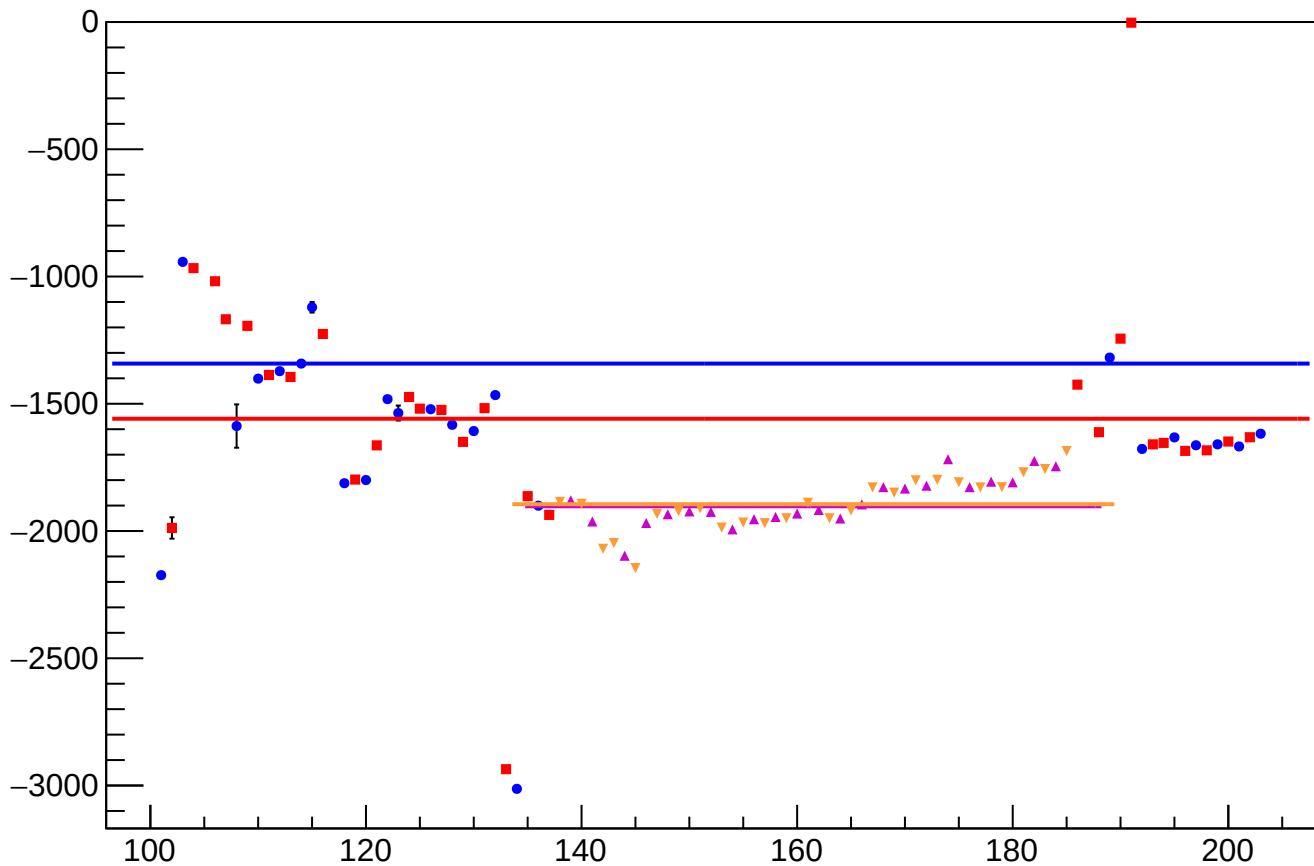
Right: -32.504 ± 0.000 χ^2/NDF : 284603.3/51

In: -32.504 ± 0.000 χ^2/NDF : 359688.0/46

Out: -23.921 ± 0.014 χ^2/NDF : 107229.2/52

All: -32.504 ± 0.000 χ^2/NDF : 844942.1/99

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 884291.0/23$

Left Out: -1894.646 ± 0.318 $\chi^2/\text{NDF}: 67387.8/24$

Right Out: -1558.798 ± 0.237 $\chi^2/\text{NDF}: 1988766.8/27$

Left In: -1902.803 ± 0.289 $\chi^2/\text{NDF}: 69208.9/22$

Left: -1899.114 ± 0.214 $\chi^2/\text{NDF}: 136957.6/47$

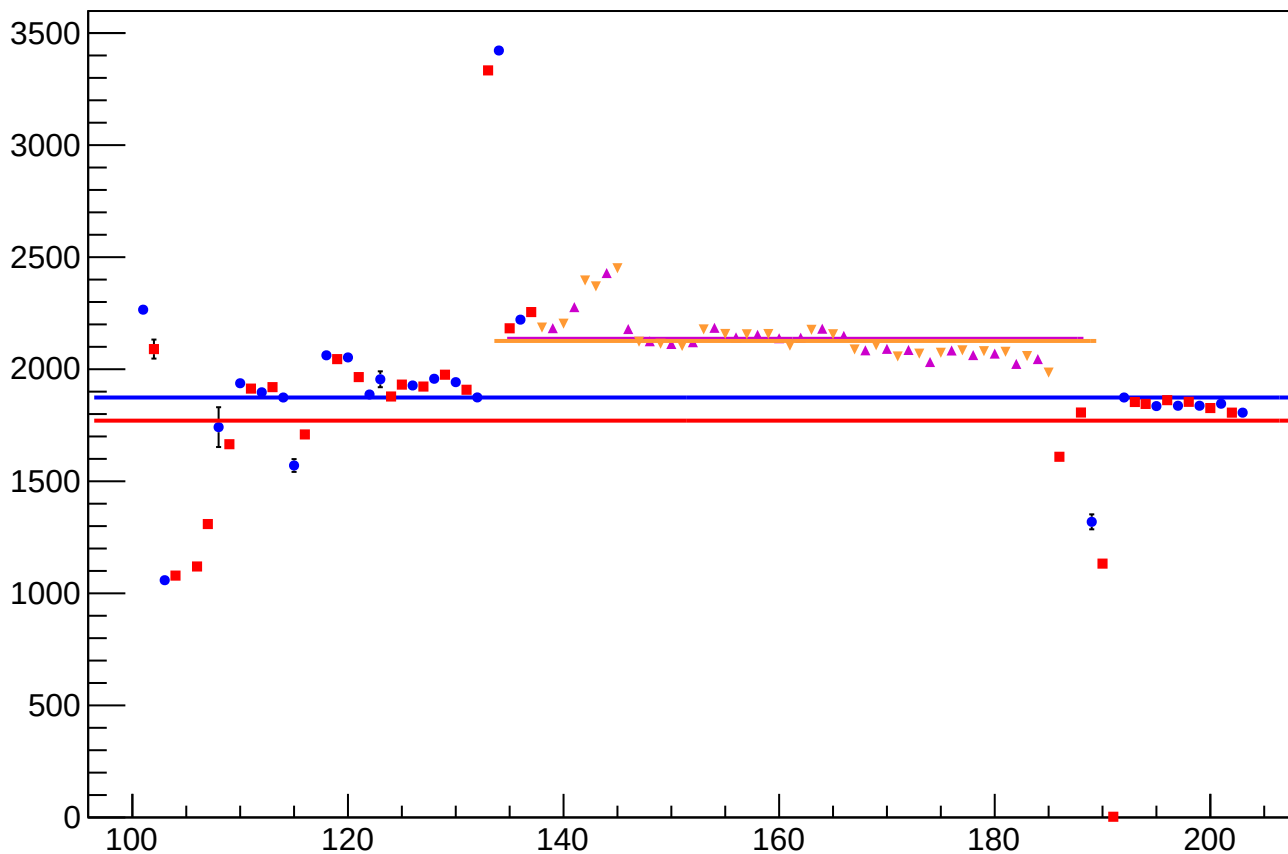
Right: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 3709312.3/51$

In: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 4723586.3/46$

Out: -1678.809 ± 0.190 $\chi^2/\text{NDF}: 2773989.7/52$

All: -1342.107 ± 0.000 $\chi^2/\text{NDF}: 10639291.7/100$

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852 $\pm$ 0.000 χ^2 /NDF: 207225.1/23

Left Out: 2126.160 $\pm$ 0.317 χ^2 /NDF: 48244.0/24

Right Out: 1770.587 $\pm$ 0.235 χ^2 /NDF: 3349075.1/27

Left In: 2135.770 $\pm$ 0.290 χ^2 /NDF: 58031.3/22

Left: 2131.403 $\pm$ 0.214 χ^2 /NDF: 106775.9/47

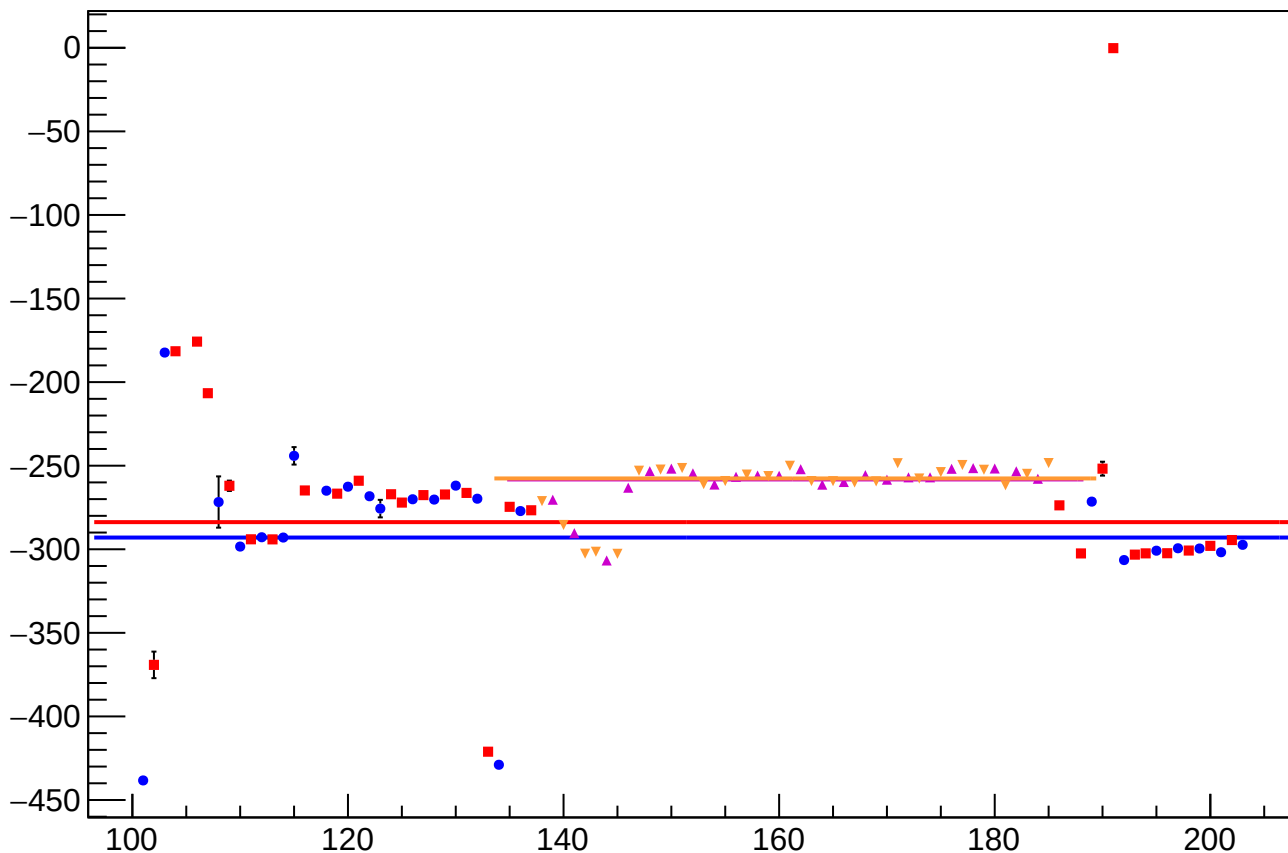
Right: 1873.852 $\pm$ 0.000 χ^2 /NDF: 3749404.9/51

In: 1873.852 $\pm$ 0.000 χ^2 /NDF: 1083703.0/46

Out: 1896.543 $\pm$ 0.189 χ^2 /NDF: 4208352.2/52

All: 1873.852 $\pm$ 0.000 χ^2 /NDF: 5306494.3/99

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986+/-0.000 χ^2/NDF : 1062729.8/23

Left Out: -257.631+/-0.020 χ^2/NDF :226942.0/24

Right Out: -283.767+/-0.032 χ^2/NDF : 1988538.2/27

Left In: -258.240+/-0.017 χ^2/NDF :268186.3/22

Left: -257.974+/-0.013 χ^2/NDF : 495658.2/47

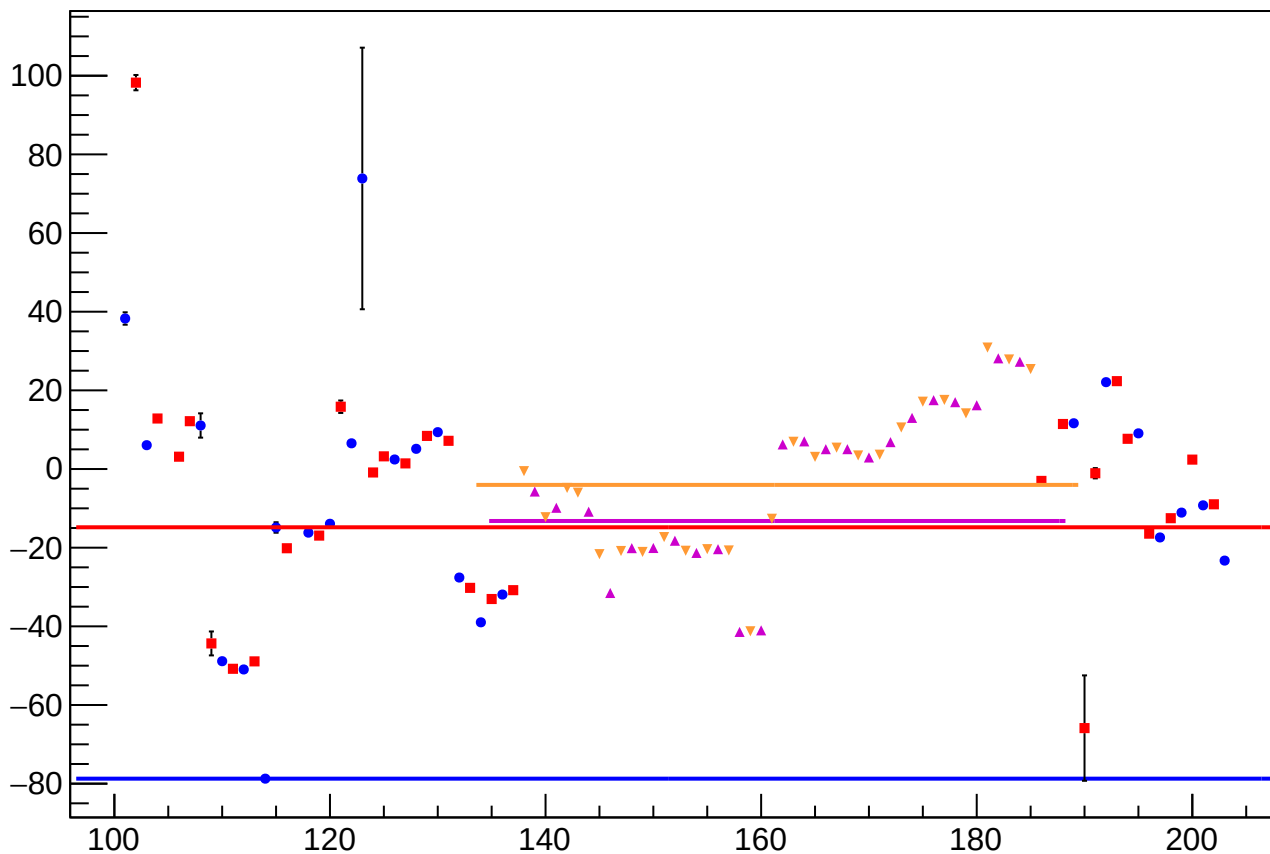
Right: -292.986+/-0.000 χ^2/NDF : 3136028.9/51

In: -292.986+/-0.000 χ^2/NDF :5277564.7/46

Out: -265.008+/-0.017 χ^2/NDF :2704444.3/52

All: -292.986+/-0.000 χ^2/NDF : 10747791.6/9

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 ± 0.000 χ^2/NDF : 1676543.1/23

Left Out: -4.036 ± 0.017 χ^2/NDF : 1369619.3/24

Right Out: -14.814 ± 0.063 χ^2/NDF : 101896.9/27

Left In: -13.213 ± 0.017 χ^2/NDF : 1356033.4/22

Left: -8.666 ± 0.012 χ^2/NDF : 2871427.0/47

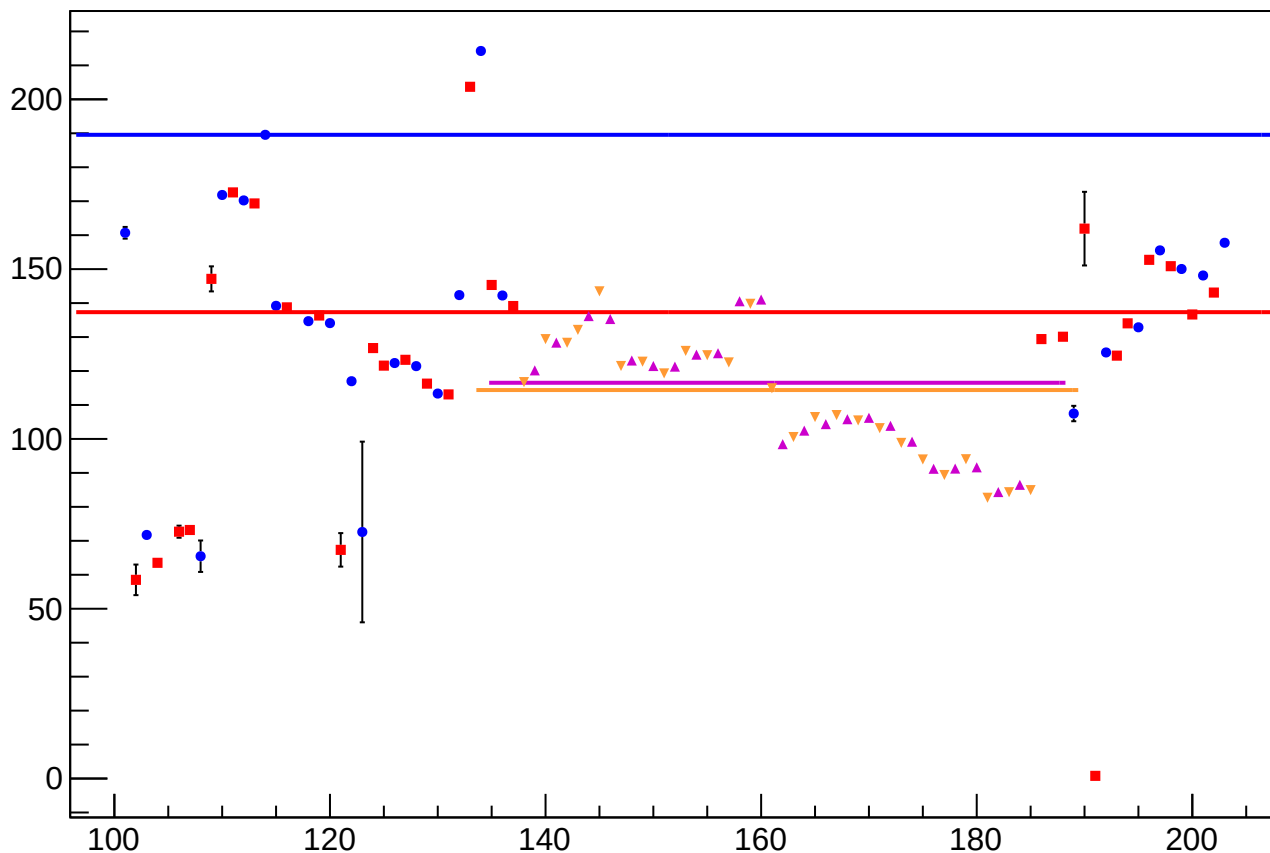
Right: -78.728 ± 0.000 χ^2/NDF : 2814080.2/51

In: -78.728 ± 0.000 χ^2/NDF : 18029351.5/46

Out: -4.777 ± 0.016 χ^2/NDF : 1498938.5/52

All: -78.728 ± 0.000 χ^2/NDF : 39677201.5/99

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 $\pm$ 0.000 χ^2 /NDF: 1049023.0/23

Left Out: 114.395 $\pm$ 0.023 χ^2 /NDF:434871.2/24

Right Out: 137.329 $\pm$ 0.054 χ^2 /NDF: 130727.2/27

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

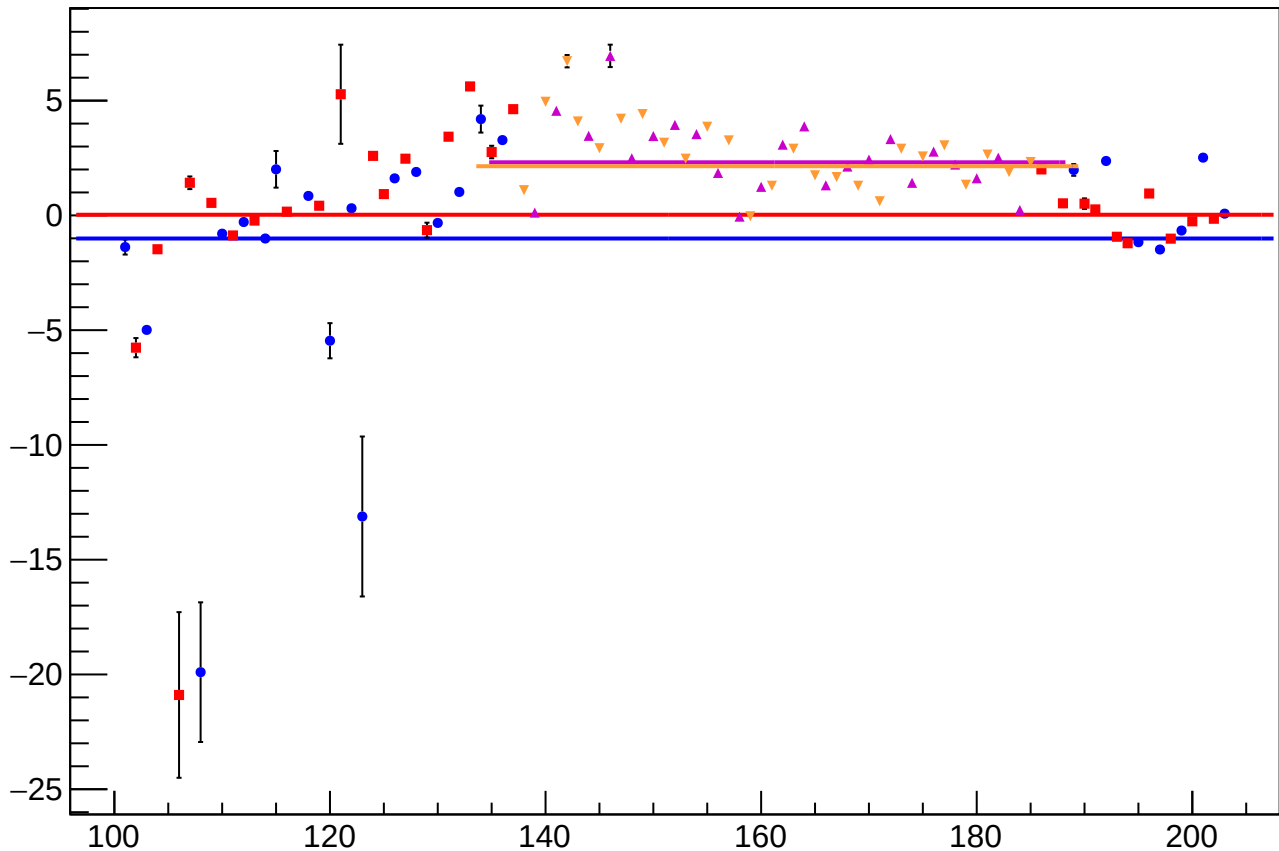
Right: 189.551 $\pm$ 0.000 χ^2 /NDF: 2108750.3/51

In: 189.551 $\pm$ 0.000 χ^2 /NDF:11068964.2/46

Out: 117.787 $\pm$ 0.021 χ^2 /NDF:718269.4/52

All: 189.551 $\pm$ 0.000 χ^2 /NDF: 23649818.7/99

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 8700.6/23

Left Out: 2.143 ± 0.015 χ^2/NDF : 6585.0/24

Right Out: 0.029 ± 0.013 χ^2/NDF : 5995.0/27

Left In: 2.313 ± 0.014 χ^2/NDF : 7446.3/22

Left: 2.231 ± 0.010 χ^2/NDF : 14101.5/47

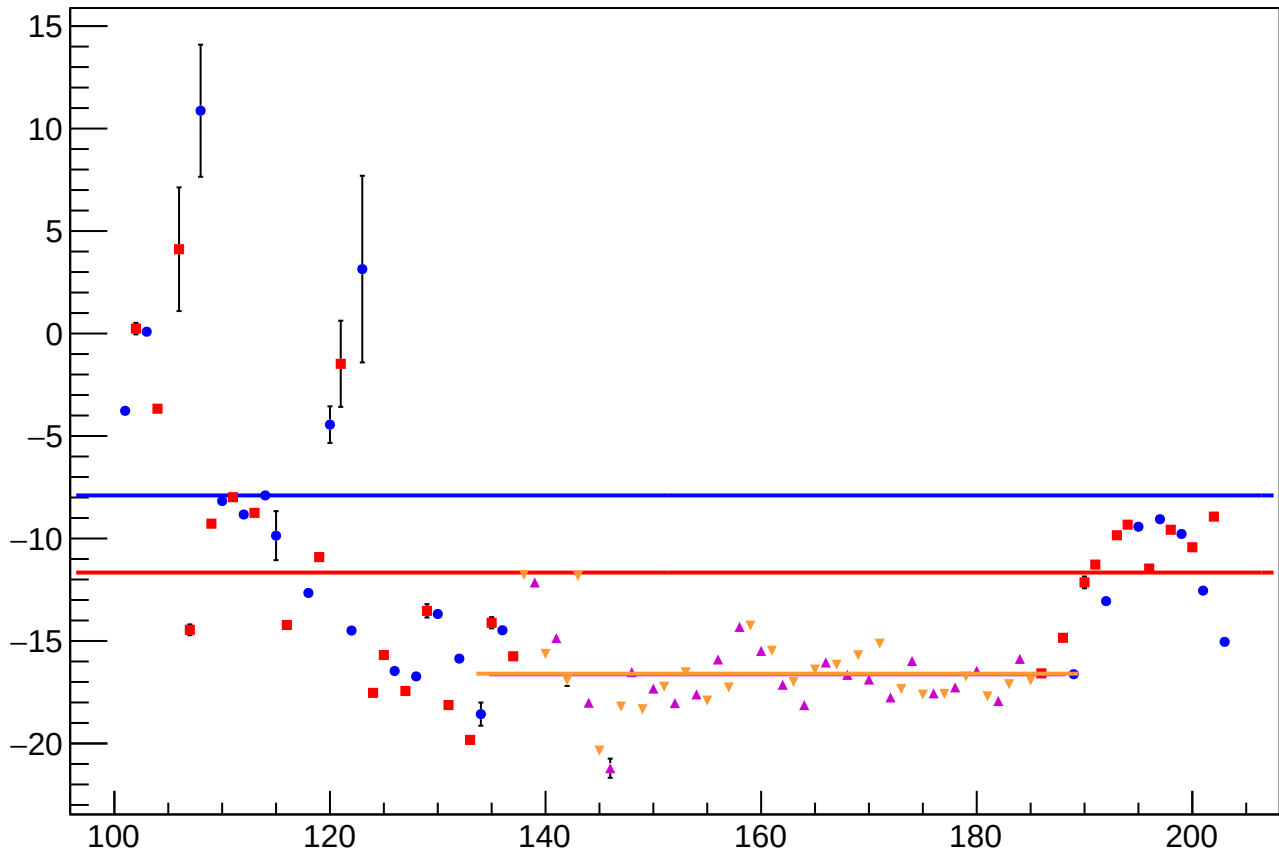
Right: -1.007 ± 0.000 χ^2/NDF : 21034.0/51

In: -1.007 ± 0.000 χ^2/NDF : 71870.9/46

Out: 0.960 ± 0.010 χ^2/NDF : 24227.6/52

All: -1.007 ± 0.000 χ^2/NDF : 137010.6/99

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -7.899 ± 0.000 χ^2/NDF : 52420.1/23

Left Out: -16.595 ± 0.014 χ^2/NDF : 8432.7/24

Right Out: -11.661 ± 0.015 χ^2/NDF : 39681.3/27

Left In: -16.625 ± 0.015 χ^2/NDF : 6289.5/22

Left: -16.610 ± 0.010 χ^2/NDF : 14724.4/47

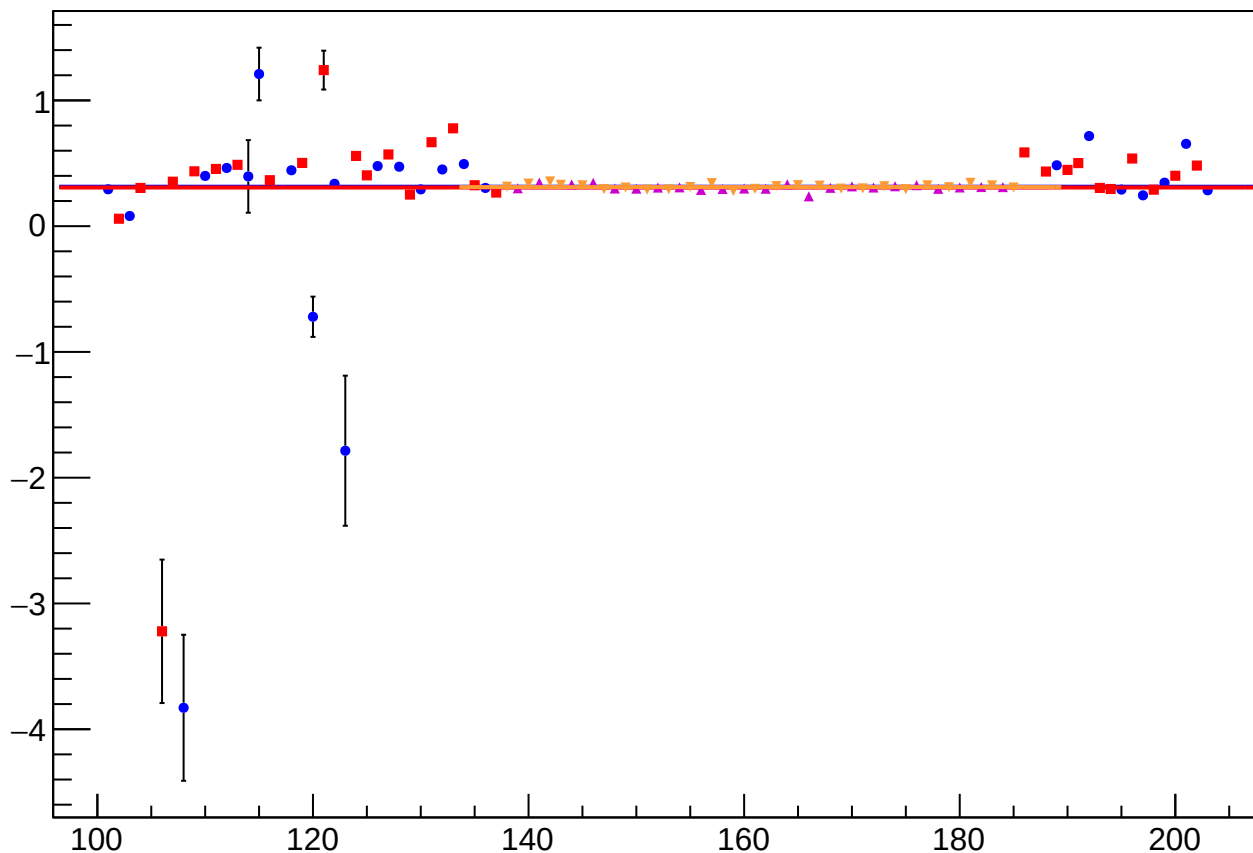
Right: -7.899 ± 0.000 χ^2/NDF : 156896.1/51

In: -7.899 ± 0.000 χ^2/NDF : 411517.4/46

Out: -14.197 ± 0.010 χ^2/NDF : 105362.7/52

All: -7.899 ± 0.000 χ^2/NDF : 890271.6/99

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314 $\pm$ 0.001 χ^2 /NDF: 3707.9/23

Left Out: 0.311 $\pm$ 0.000 χ^2 /NDF:4975.7/24

Right Out: 0.307 $\pm$ 0.001 χ^2 /NDF: 8463.5/27

Left In: 0.310 $\pm$ 0.000 χ^2 /NDF:3074.6/22

Left: 0.310 $\pm$ 0.000 χ^2 /NDF: 8056.7/47

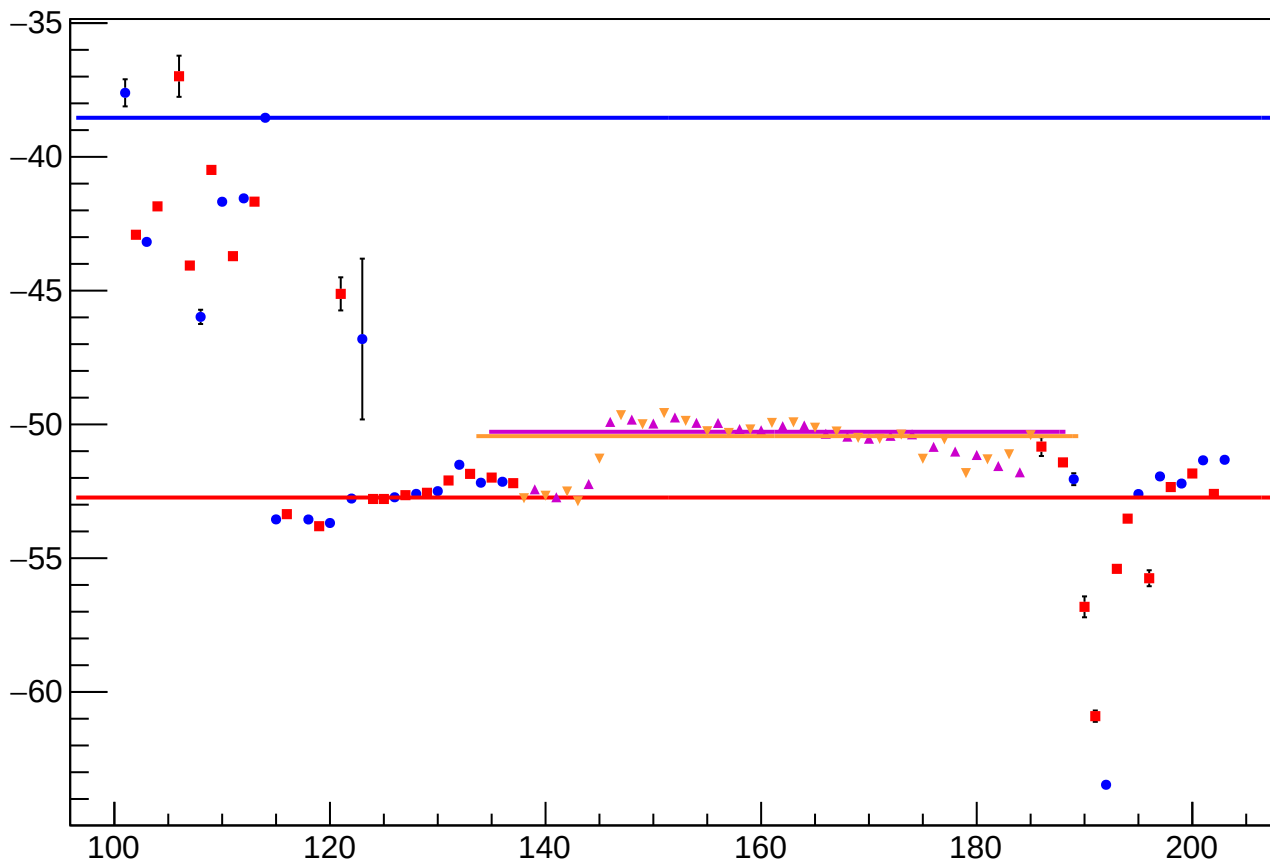
Right: 0.310 $\pm$ 0.001 χ^2 /NDF: 12197.7/51

In: 0.310 $\pm$ 0.000 χ^2 /NDF:6798.5/46

Out: 0.311 $\pm$ 0.000 χ^2 /NDF:13454.6/52

All: 0.310 $\pm$ 0.000 χ^2 /NDF: 20254.4/99

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 15275040.1/23$

Left Out: -50.438 ± 0.001 $\chi^2/\text{NDF}: 299897.3/24$

Right Out: -52.733 ± 0.002 $\chi^2/\text{NDF}: 85004.0/27$

Left In: -50.276 ± 0.001 $\chi^2/\text{NDF}: 190236.3/22$

Left: -50.350 ± 0.001 $\chi^2/\text{NDF}: 497837.6/47$

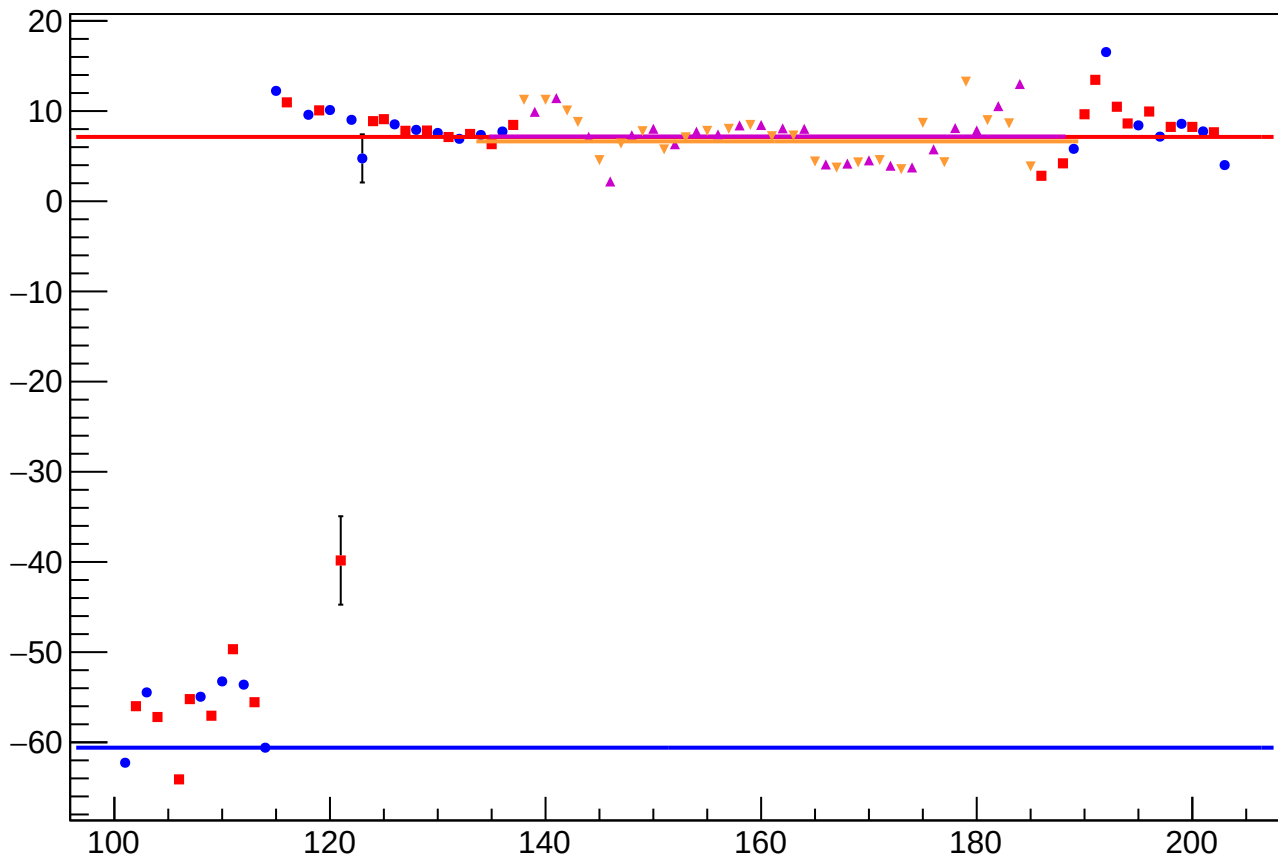
Right: -38.539 ± 0.000 $\chi^2/\text{NDF}: 72990368.0/51$

In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 103434101.2/46$

Out: -51.239 ± 0.001 $\chi^2/\text{NDF}: 1365034.8/52$

All: -38.539 ± 0.000 $\chi^2/\text{NDF}: 237028655.6/9$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 33603983.9/23$

Left Out: 6.641 ± 0.004 $\chi^2/\text{NDF}: 340462.4/24$

Right Out: 7.133 ± 0.010 $\chi^2/\text{NDF}: 1166070.5/27$

Left In: 7.179 ± 0.003 $\chi^2/\text{NDF}: 214127.6/22$

Left: 6.926 ± 0.003 $\chi^2/\text{NDF}: 565961.5/47$

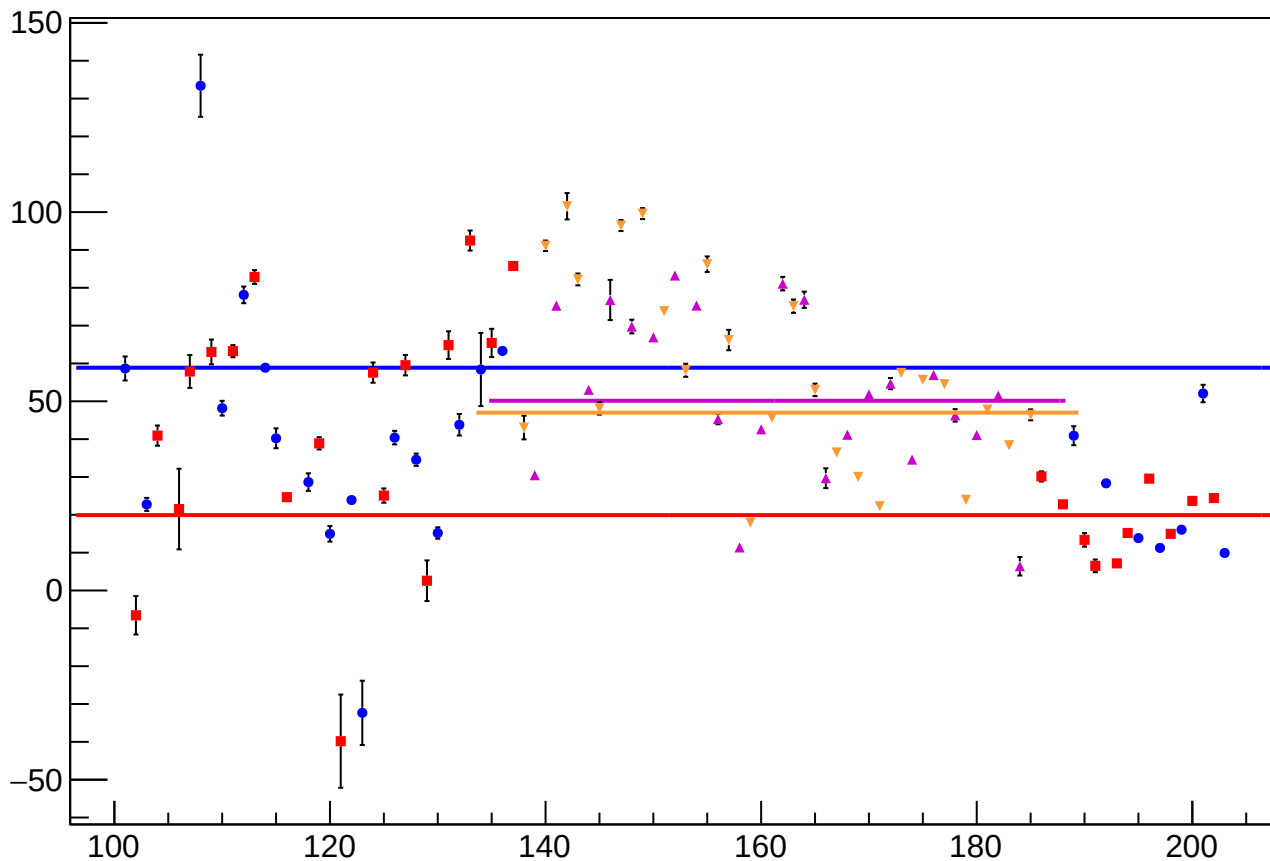
Right: -60.594 ± 0.000 $\chi^2/\text{NDF}: 85069195.0/51$

In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 417674845.8/46$

Out: 6.704 ± 0.003 $\chi^2/\text{NDF}: 1508844.5/52$

All: -60.594 ± 0.000 $\chi^2/\text{NDF}: 803545647.4/9$

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 $\pm$ 0.000 χ^2 /NDF: 41805.0/23

Left Out: 46.995 $\pm$ 0.215 χ^2 /NDF:9203.7/24

Right Out: 19.920 $\pm$ 0.146 χ^2 /NDF: 10905.7/27

Left In: 50.144 $\pm$ 0.212 χ^2 /NDF:6667.7/22

Left: 48.595 $\pm$ 0.151 χ^2 /NDF: 15980.5/47

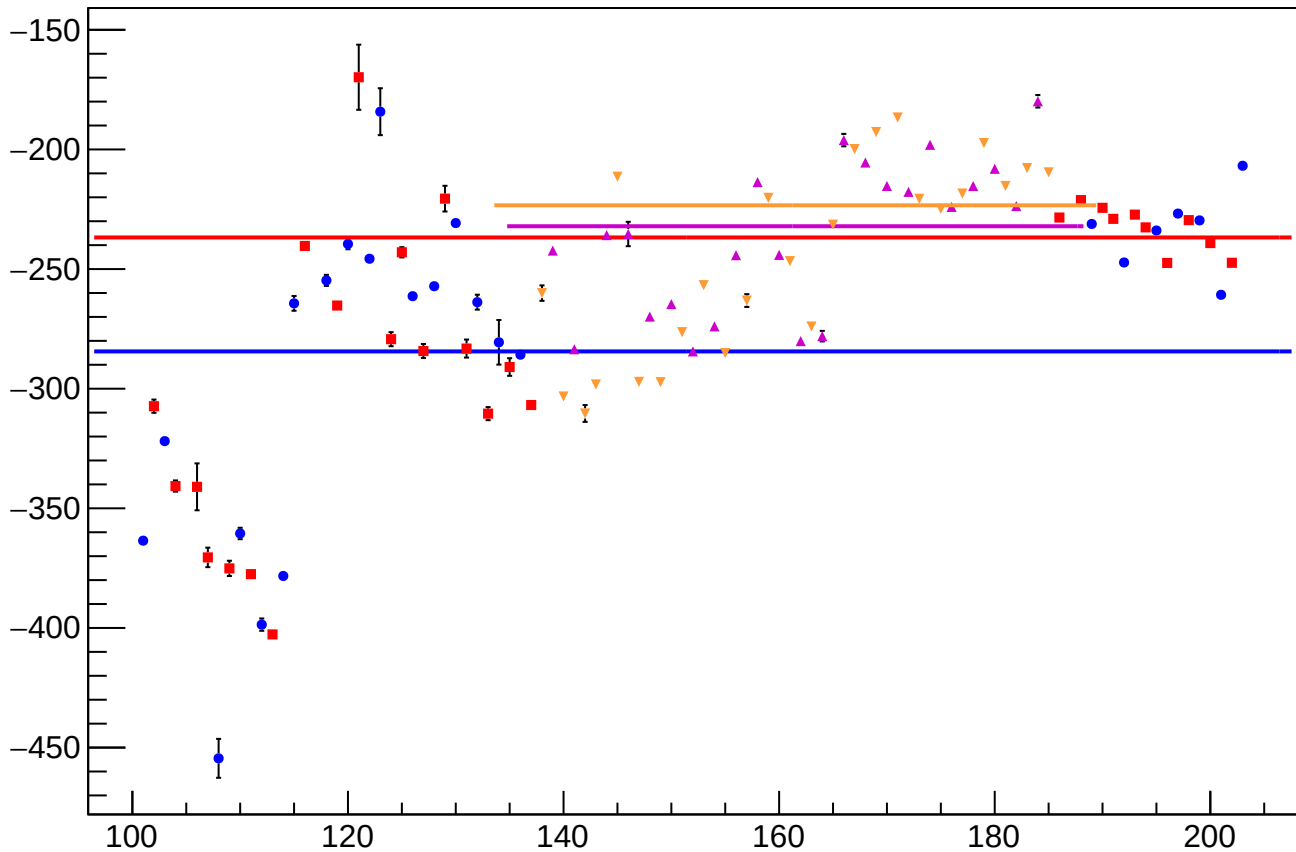
Right: 58.880 $\pm$ 0.000 χ^2 /NDF: 123851.8/51

In: 58.880 $\pm$ 0.000 χ^2 /NDF:50178.6/46

Out: 28.472 $\pm$ 0.121 χ^2 /NDF:30961.7/52

All: 58.880 $\pm$ 0.000 χ^2 /NDF: 144485.7/99

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -284.419 $\pm$ 0.166 χ^2/NDF : 180070.2/23

Left Out: -223.342 $\pm$ 0.215 χ^2/NDF : 22293.9/24

Right Out: -236.783 $\pm$ 0.132 χ^2/NDF : 29025.7/27

Left In: -232.094 $\pm$ 0.217 χ^2/NDF : 17468.1/22

Left: -227.678 $\pm$ 0.153 χ^2/NDF : 40579.8/47

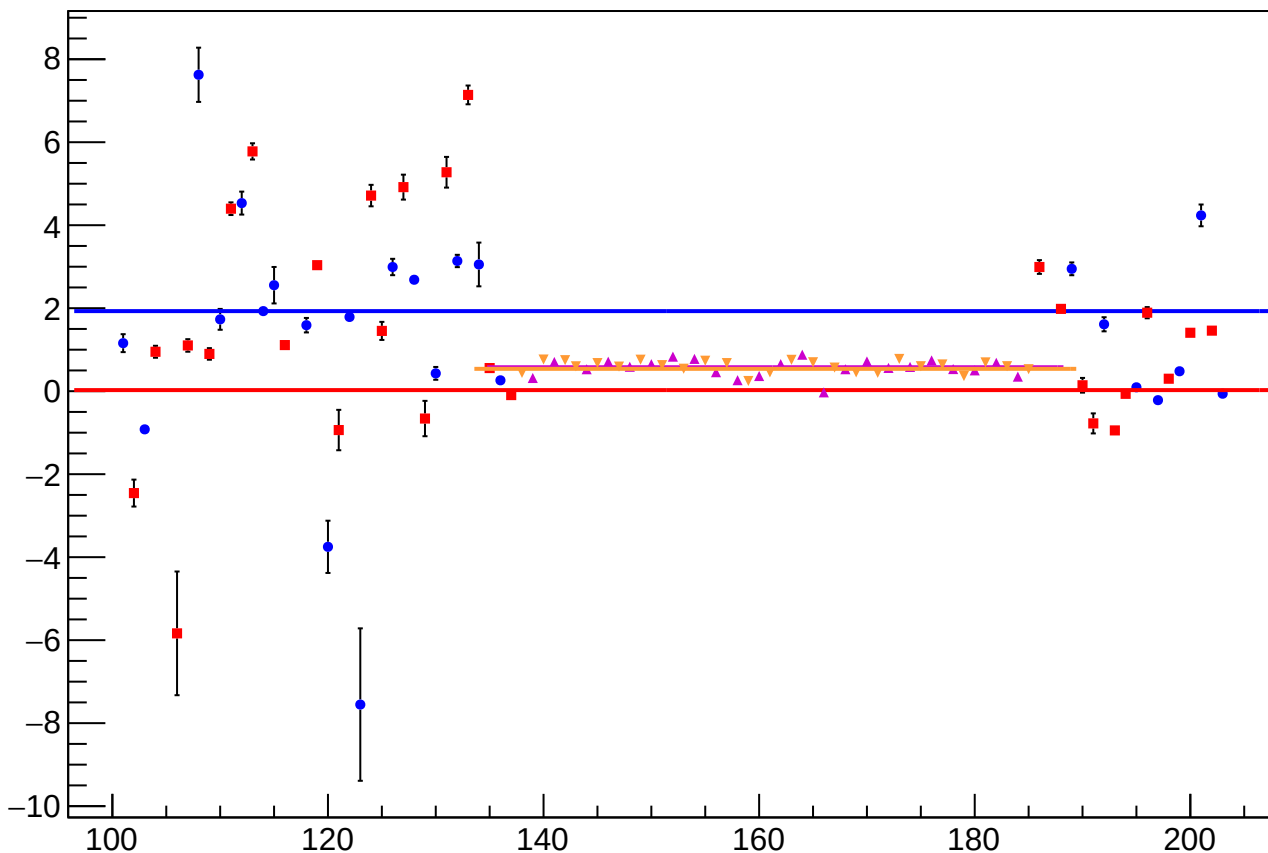
Right: -255.337 $\pm$ 0.103 χ^2/NDF : 259560.8/51

In: -265.195 $\pm$ 0.132 χ^2/NDF : 234180.4/46

Out: -233.100 $\pm$ 0.113 χ^2/NDF : 54145.7/52

All: -246.666 $\pm$ 0.086 χ^2/NDF : 322568.3/99

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 $\pm$ 0.000 χ^2 /NDF: 65623.8/23

Left Out: 0.539 $\pm$ 0.002 χ^2 /NDF:10792.6/24

Right Out: 0.026 $\pm$ 0.004 χ^2 /NDF: 12119.3/27

Left In: 0.577 $\pm$ 0.001 χ^2 /NDF:15533.6/22

Left: 0.561 $\pm$ 0.001 χ^2 /NDF: 26629.0/47

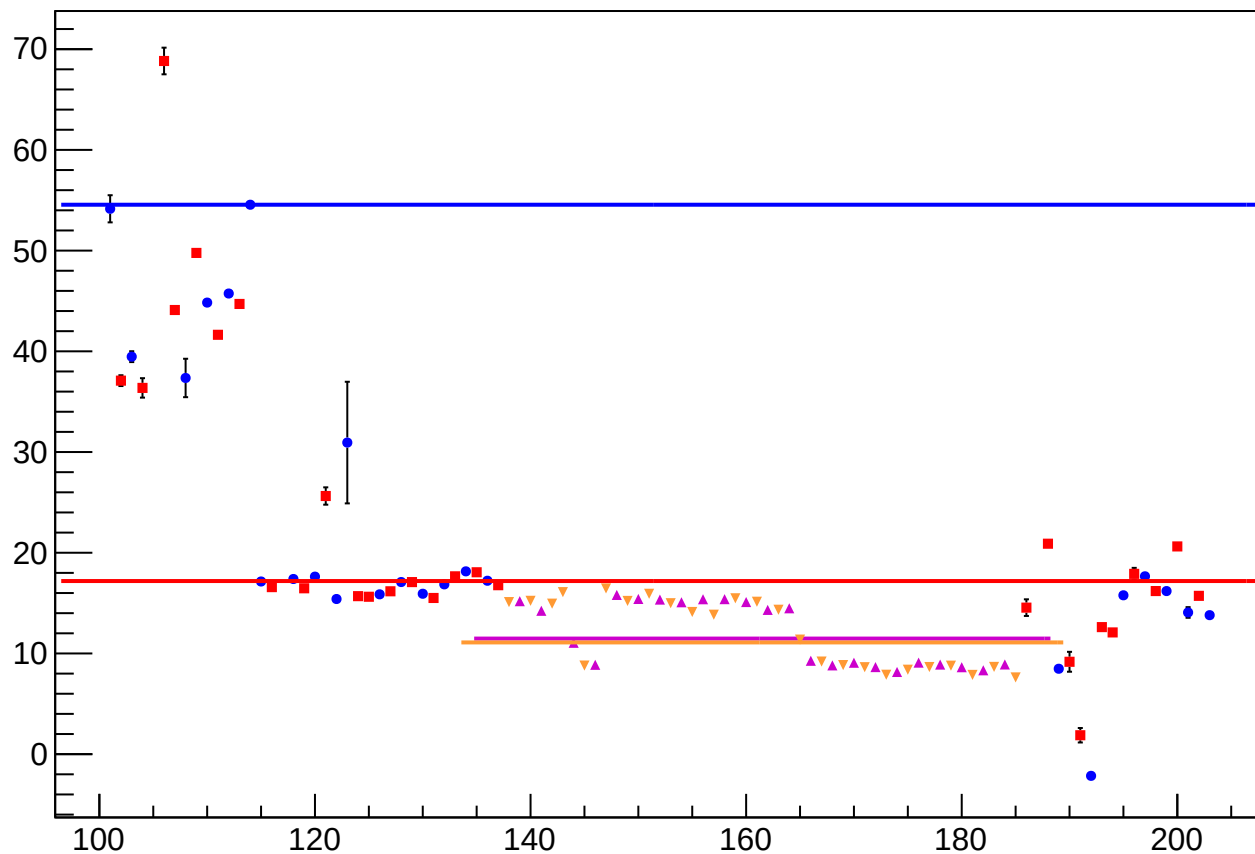
Right: 1.930 $\pm$ 0.000 χ^2 /NDF: 275556.4/51

In: 1.930 $\pm$ 0.000 χ^2 /NDF:950354.5/46

Out: 0.471 $\pm$ 0.002 χ^2 /NDF:35345.7/52

All: 1.930 $\pm$ 0.000 χ^2 /NDF: 1862363.7/99

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556 $\pm$ 0.000 χ^2 /NDF: 9984538.5/23

Left Out: 11.095 $\pm$ 0.005 χ^2 /NDF: 381518.3/24

Right Out: 17.190 $\pm$ 0.018 χ^2 /NDF: 62674.1/27

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

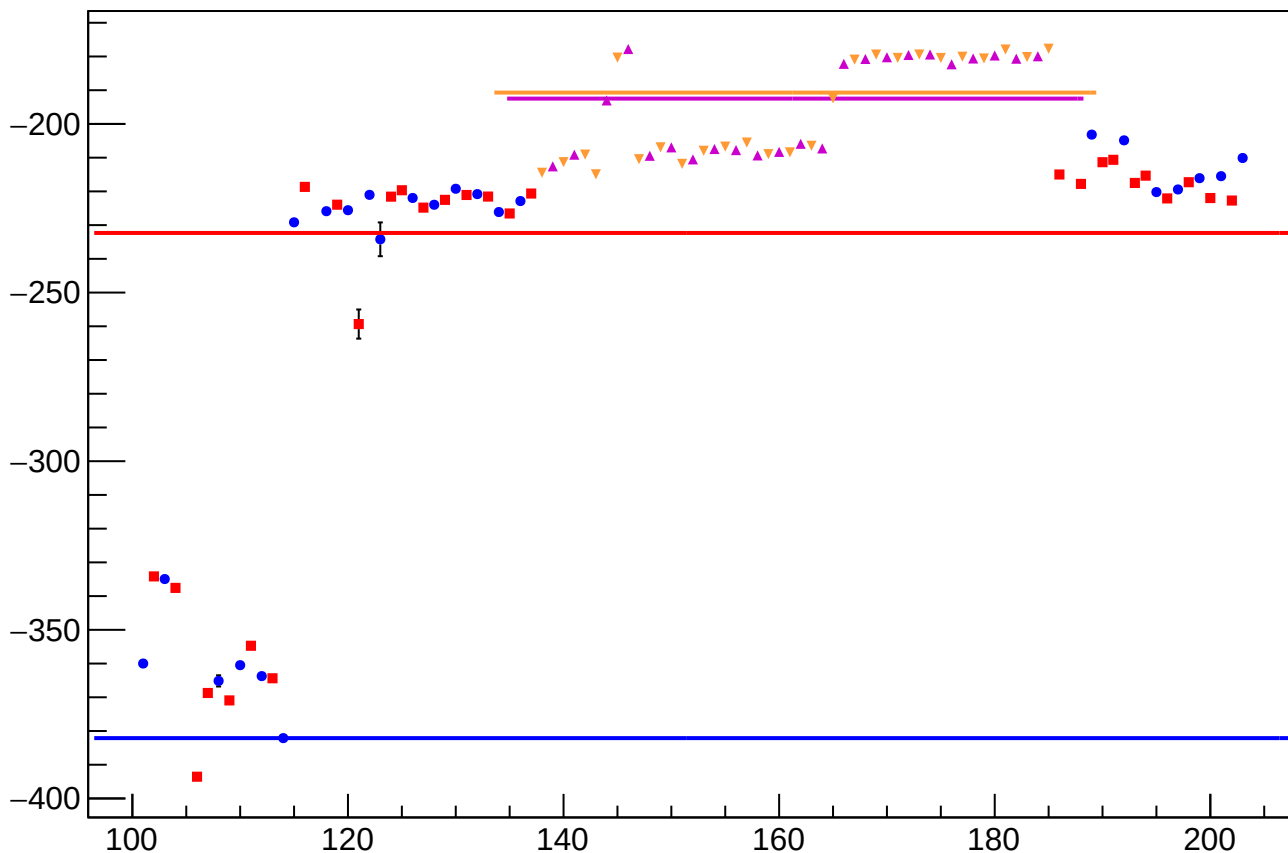
Right: 54.556 $\pm$ 0.000 χ^2 /NDF: 14367724.4/51

In: 54.556 $\pm$ 0.000 χ^2 /NDF: 78311274.4/46

Out: 11.592 $\pm$ 0.005 χ^2 /NDF: 549780.4/52

All: 54.556 $\pm$ 0.000 χ^2 /NDF: 148901258.9/99

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 20030667.1/23

Left Out: -190.703+/-0.011 χ^2/NDF : 1602184.8/24

Right Out: -232.323+/-0.045 χ^2/NDF : 660678.1/27

Left In: -192.488+/-0.011 χ^2/NDF : 1500910.9/22

Left: -191.577+/-0.008 χ^2/NDF : 3115630.8/47

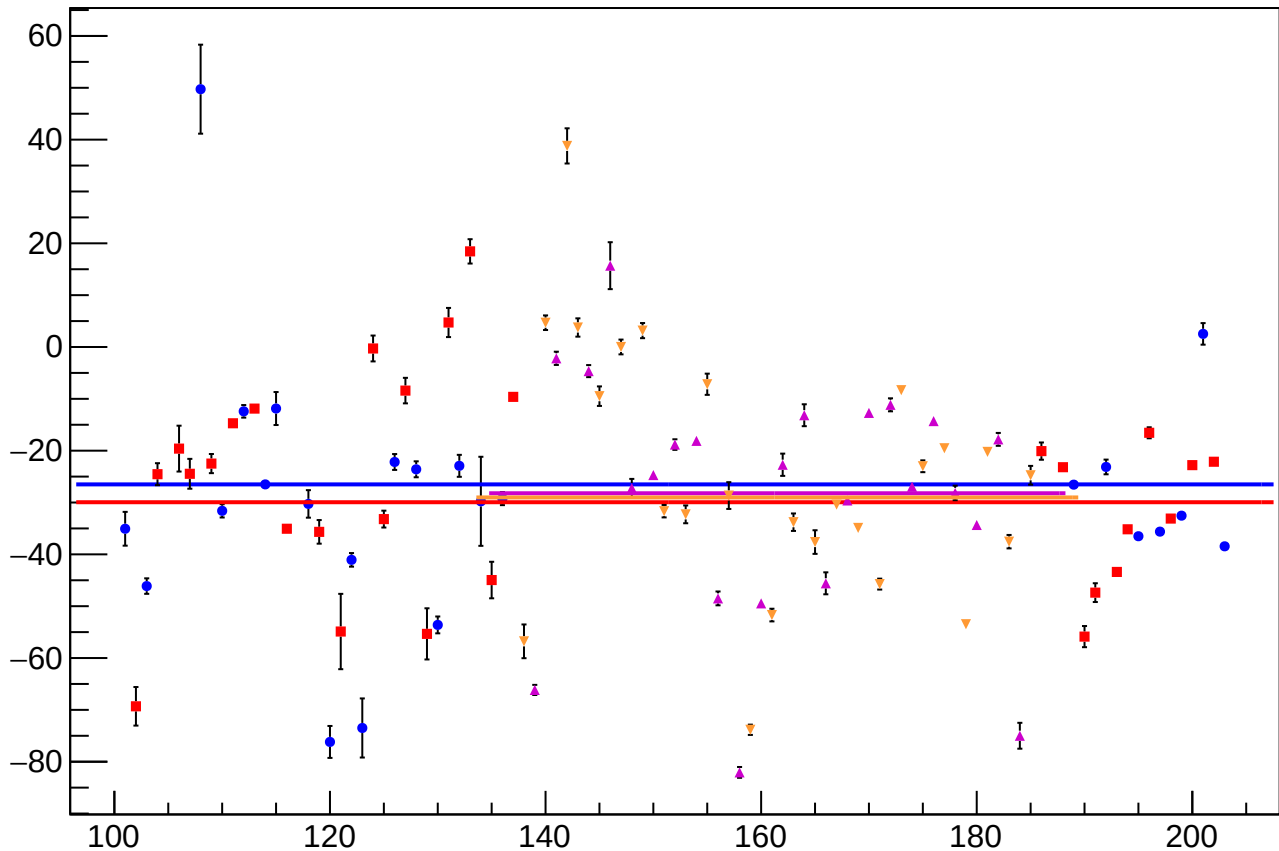
Right: -382.108+/-0.000 χ^2/NDF : 31635834.0/51

In: -382.108+/-0.000 χ^2/NDF : 298644823.4/46

Out: -193.085+/-0.011 χ^2/NDF : 3059507.3/52

All: -382.108+/-0.000 χ^2/NDF : 606188820.6/100

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 2682.7/23$

Left Out: -29.022 ± 0.235 $\chi^2/\text{NDF}: 7110.5/24$

Right Out: -29.944 ± 0.155 $\chi^2/\text{NDF}: 4891.1/27$

Left In: -28.215 ± 0.215 $\chi^2/\text{NDF}: 7786.5/22$

Left: -28.582 ± 0.158 $\chi^2/\text{NDF}: 14903.4/47$

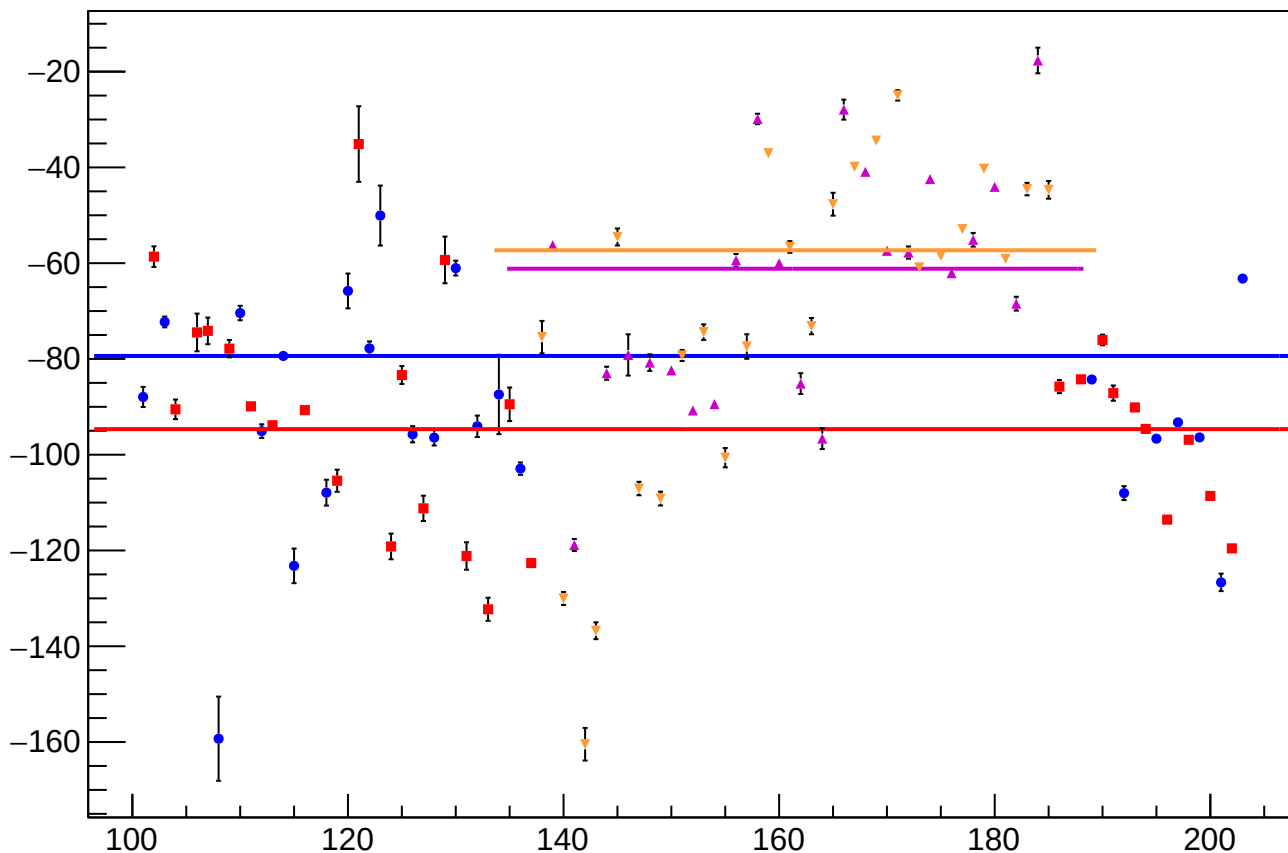
Right: -26.504 ± 0.000 $\chi^2/\text{NDF}: 8065.5/51$

In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 10532.8/46$

Out: -29.664 ± 0.129 $\chi^2/\text{NDF}: 12012.3/52$

All: -26.504 ± 0.000 $\chi^2/\text{NDF}: 23141.2/99$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 χ^2/NDF : 6020.2/23

Left Out: -57.300 ± 0.229 χ^2/NDF : 13067.7/24

Right Out: -94.661 ± 0.134 χ^2/NDF : 5904.0/27

Left In: -61.164 ± 0.218 χ^2/NDF : 8941.7/22

Left: -59.332 ± 0.158 χ^2/NDF : 22158.9/47

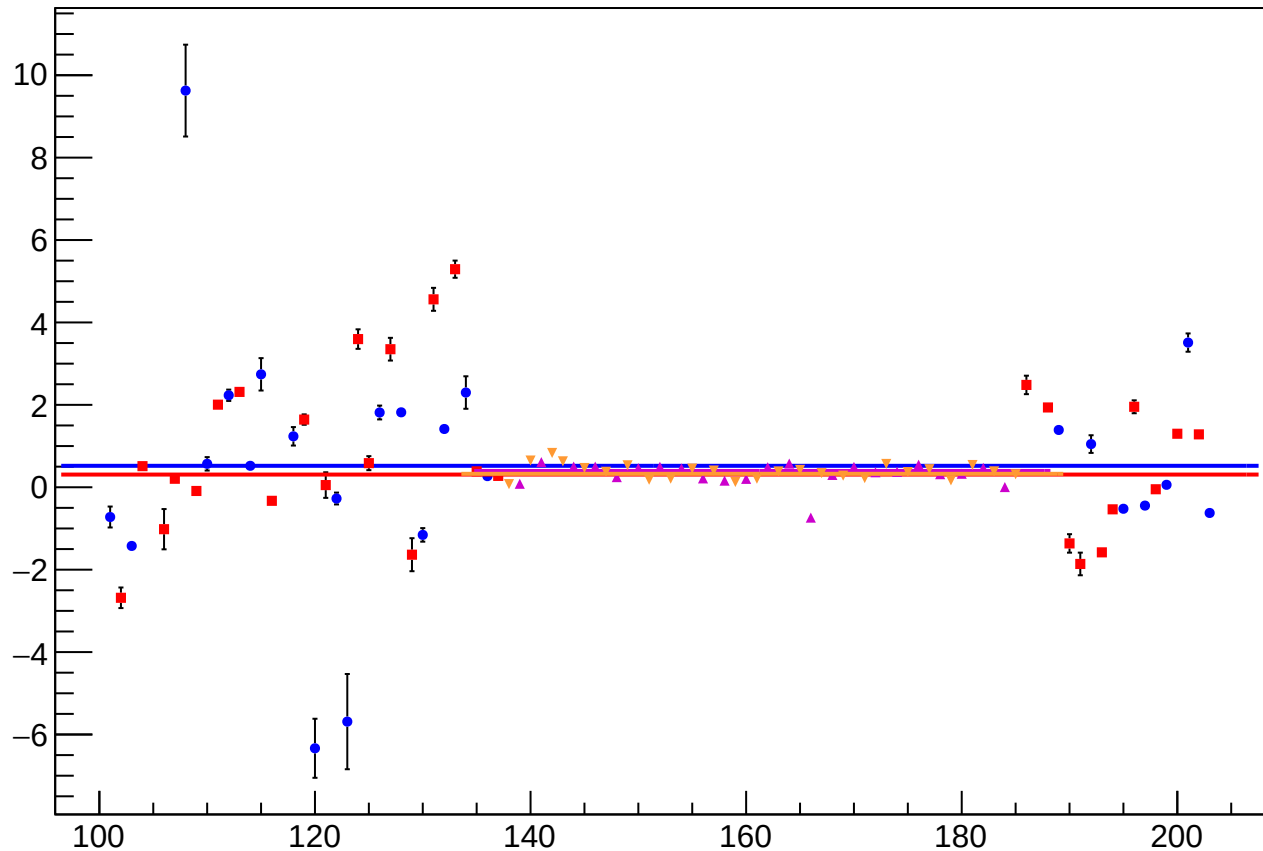
Right: -79.376 ± 0.000 χ^2/NDF : 24965.5/51

In: -79.376 ± 0.000 χ^2/NDF : 21967.7/46

Out: -85.160 ± 0.116 χ^2/NDF : 38786.5/52

All: -79.376 ± 0.000 χ^2/NDF : 63258.4/99

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521+/-0.000 χ^2/NDF : 4526.2/23

Left Out: 0.326+/-0.002 χ^2/NDF :10419.3/24

Right Out: 0.308+/-0.010 χ^2/NDF : 6378.1/27

Left In: 0.396+/-0.001 χ^2/NDF :11392.0/22

Left: 0.365+/-0.001 χ^2/NDF : 22859.4/47

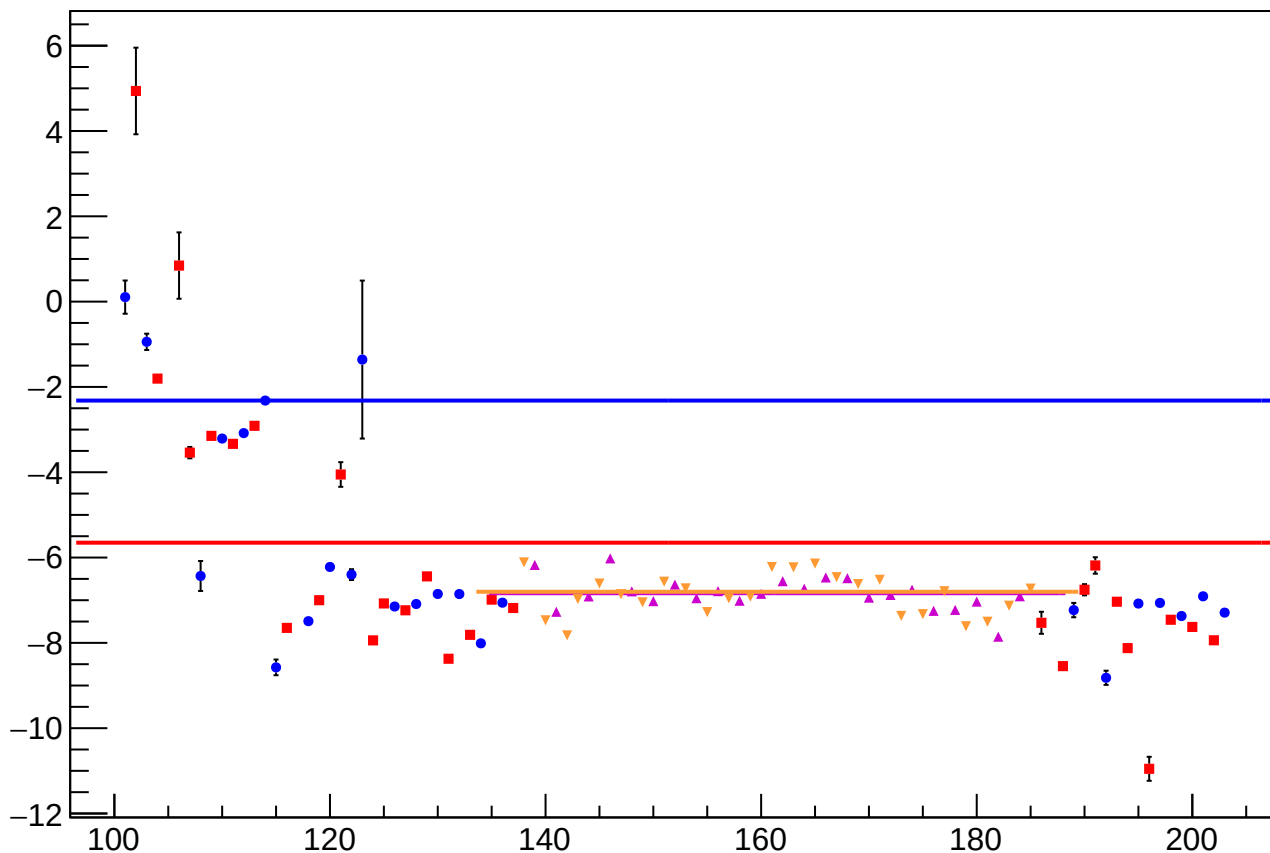
Right: 0.521+/-0.000 χ^2/NDF : 11365.3/51

In: 0.521+/-0.000 χ^2/NDF :23435.0/46

Out: 0.326+/-0.002 χ^2/NDF :16800.6/52

All: 0.521+/-0.000 χ^2/NDF : 55446.5/99

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320 $\pm$ 0.000 χ^2 /NDF: 307313.8/23

Left Out: -6.802 $\pm$ 0.002 χ^2 /NDF:14918.8/24

Right Out: -5.651 $\pm$ 0.009 χ^2 /NDF: 67540.0/27

Left In: -6.836 $\pm$ 0.002 χ^2 /NDF:9245.1/22

Left: -6.819 $\pm$ 0.002 χ^2 /NDF: 24259.8/47

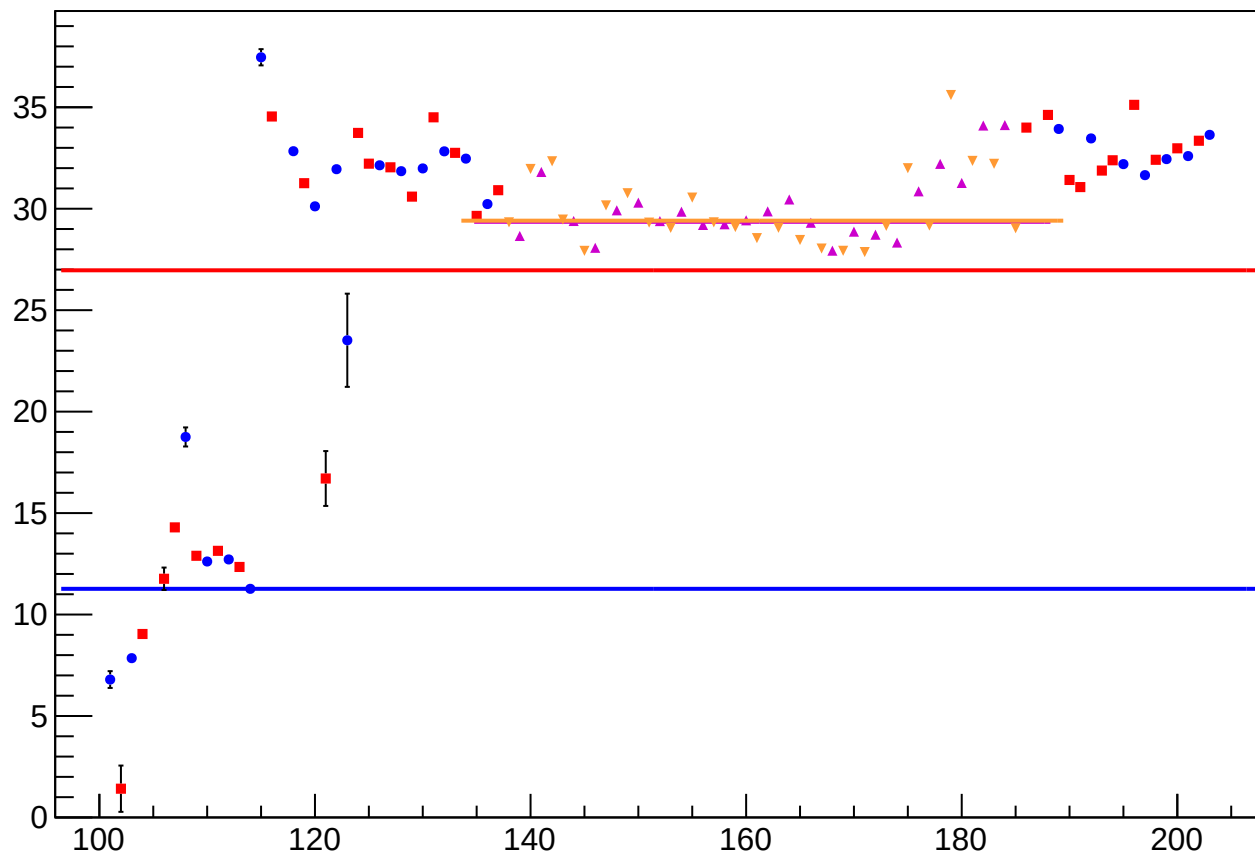
Right: -2.320 $\pm$ 0.000 χ^2 /NDF: 518865.4/51

In: -2.320 $\pm$ 0.000 χ^2 /NDF:3828638.9/46

Out: -6.716 $\pm$ 0.002 χ^2 /NDF:98360.8/52

All: -2.320 $\pm$ 0.000 χ^2 /NDF: 7303016.5/99

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268+/-0.000 χ^2/NDF : 1710270.5/23

Left Out: 29.411+/-0.008 χ^2/NDF : 44374.5/24

Right Out: 26.965+/-0.013 χ^2/NDF : 536206.4/27

Left In: 29.354+/-0.008 χ^2/NDF : 14741.7/22

Left: 29.381+/-0.006 χ^2/NDF : 59141.7/47

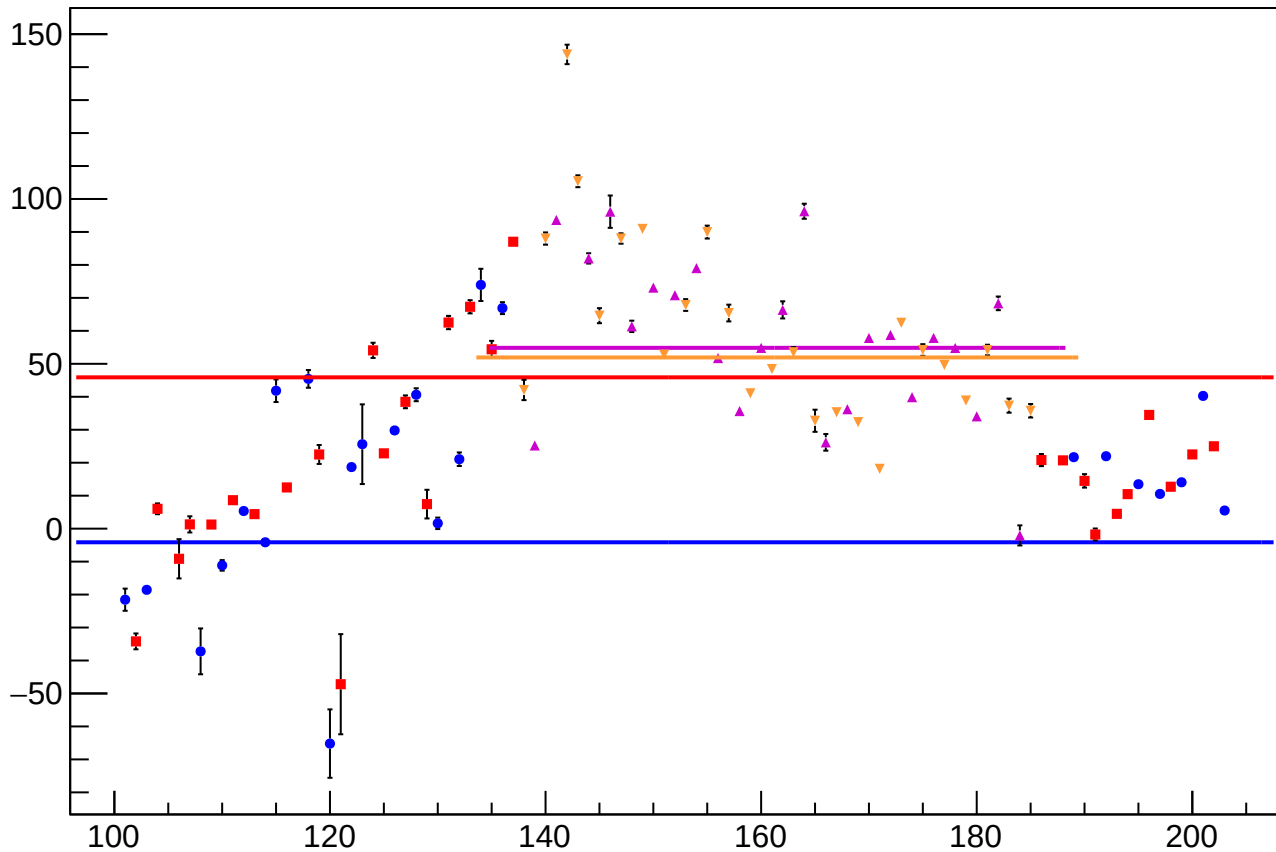
Right: 11.268+/-0.000 χ^2/NDF : 3772131.4/51

In: 11.268+/-0.000 χ^2/NDF : 6989204.3/46

Out: 28.694+/-0.007 χ^2/NDF : 606765.6/52

All: 11.268+/-0.000 χ^2/NDF : 14010690.2/99

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 $\pm$ 0.000 χ^2/NDF : 9231.7/23

Left Out: 51.931 $\pm$ 0.276 χ^2/NDF : 6225.4/24

Right Out: 45.895 $\pm$ 0.146 χ^2/NDF : 63278.1/27

Left In: 54.849 $\pm$ 0.247 χ^2/NDF : 6325.8/22

Left: 53.548 $\pm$ 0.184 χ^2/NDF : 12613.3/47

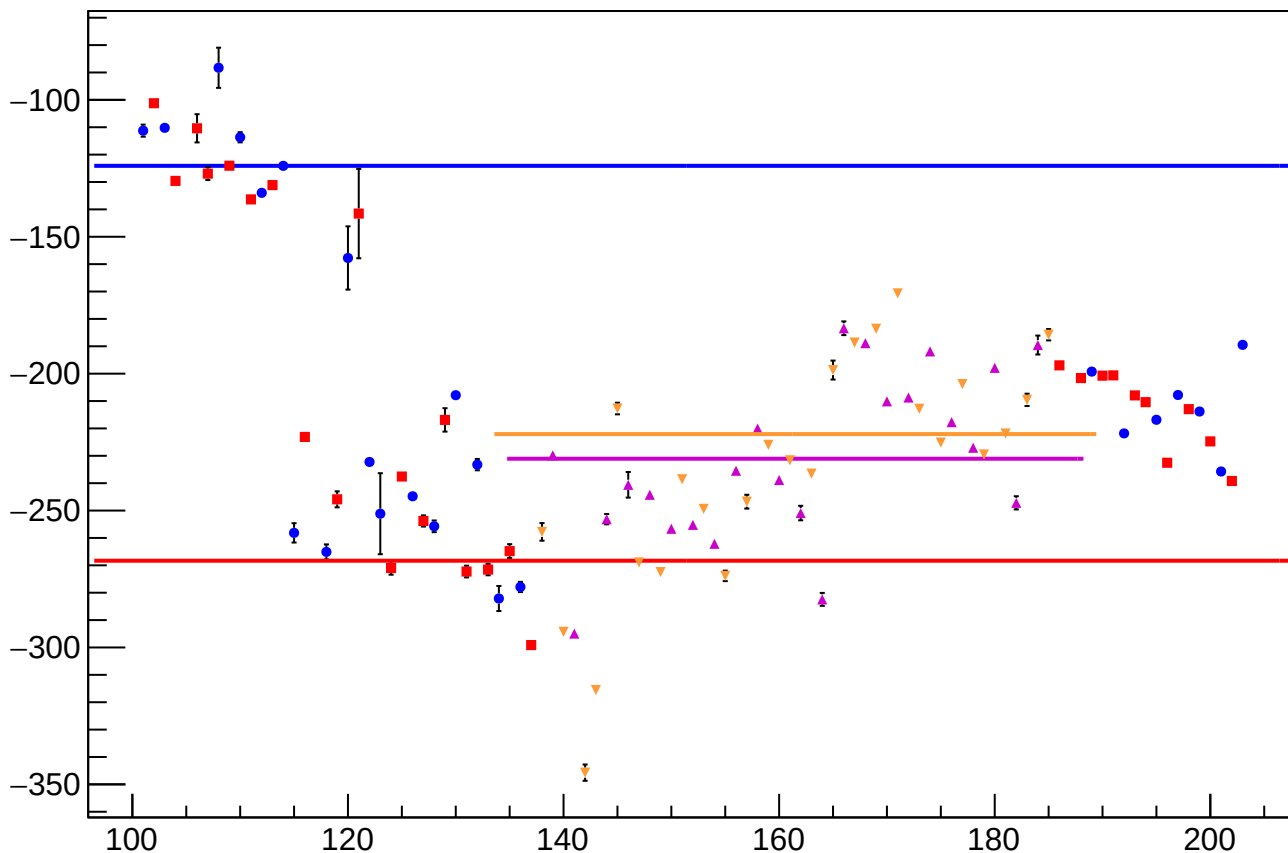
Right: -4.139 $\pm$ 0.000 χ^2/NDF : 189680.9/51

In: -4.139 $\pm$ 0.000 χ^2/NDF : 72512.1/46

Out: 47.220 $\pm$ 0.129 χ^2/NDF : 69878.0/52

All: -4.139 $\pm$ 0.000 χ^2/NDF : 300592.8/99

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 144704.8/23$

Left Out: -222.063 ± 0.272 $\chi^2/\text{NDF}: 15812.2/24$

Right Out: -268.317 ± 0.102 $\chi^2/\text{NDF}: 219530.9/27$

Left In: -231.069 ± 0.249 $\chi^2/\text{NDF}: 12005.6/22$

Left: -226.957 ± 0.184 $\chi^2/\text{NDF}: 28412.7/47$

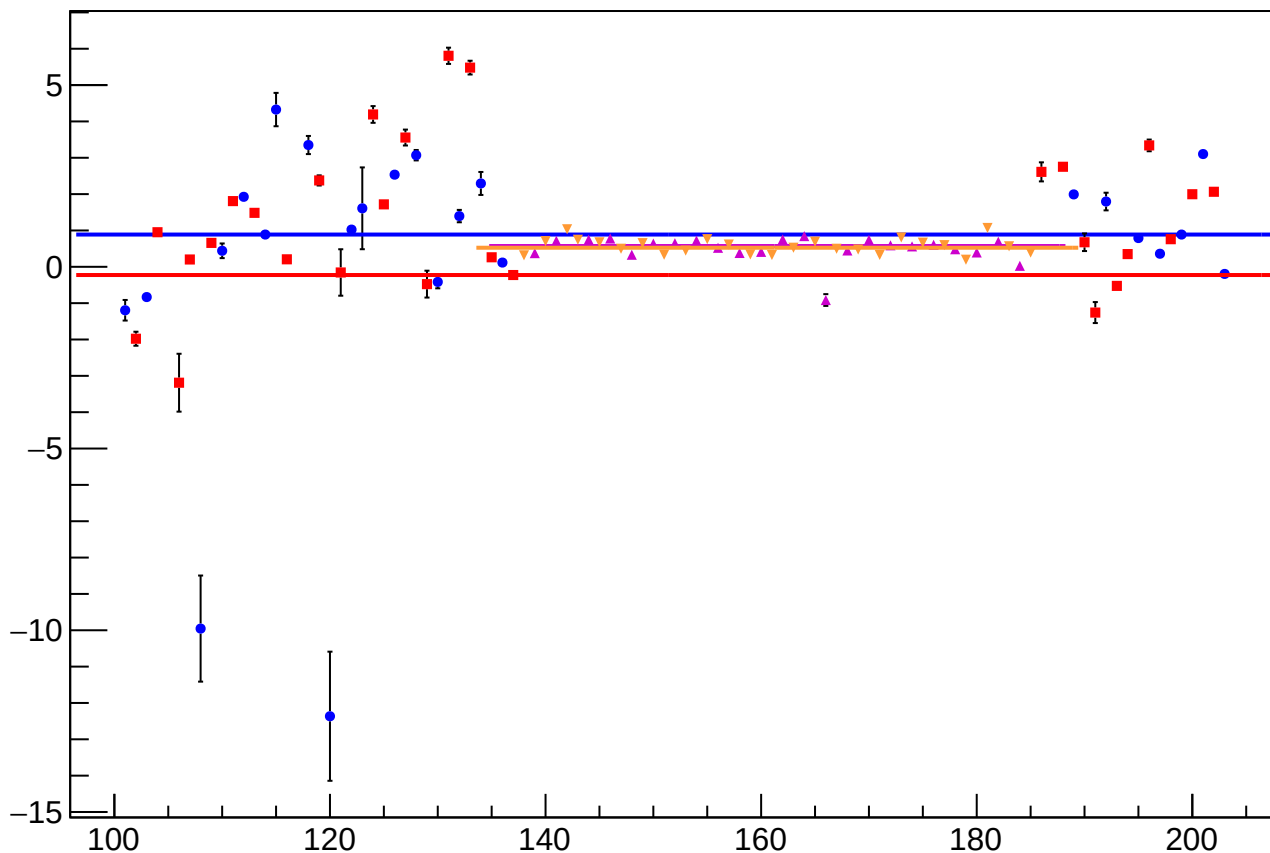
Right: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2381057.3/51$

In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 340583.8/46$

Out: -262.665 ± 0.095 $\chi^2/\text{NDF}: 260691.9/52$

All: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2722302.7/99$

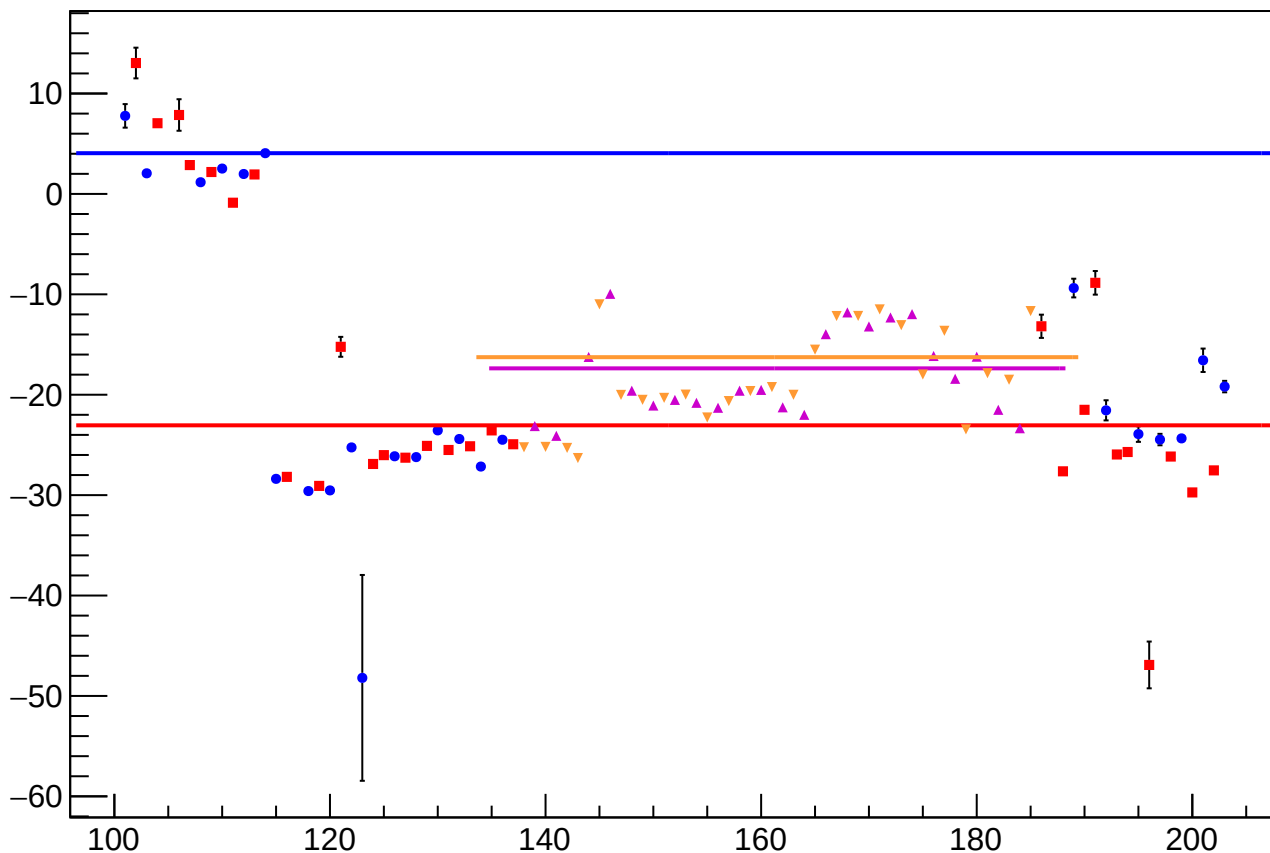
dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 9298.1/23$
 Left Out: 0.525 ± 0.002 $\chi^2/\text{NDF}: 9207.9/24$
 Right Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 8629.9/27$
 Left In: 0.572 ± 0.002 $\chi^2/\text{NDF}: 5600.2/22$

Left: 0.549 ± 0.001 $\chi^2/\text{NDF}: 15080.9/47$
 Right: 0.888 ± 0.000 $\chi^2/\text{NDF}: 42223021.9/51$
 In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 40327.6/46$
 Out: -0.225 ± 0.000 $\chi^2/\text{NDF}: 156358.7/52$
 All: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422295598.6/99$

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 χ^2/NDF : 1257730.1/23

Left Out: -16.260 ± 0.010 χ^2/NDF : 188515.0/24

Right Out: -23.048 ± 0.026 χ^2/NDF : 117409.4/27

Left In: -17.374 ± 0.009 χ^2/NDF : 169487.5/22

Left: -16.854 ± 0.007 χ^2/NDF : 364596.8/47

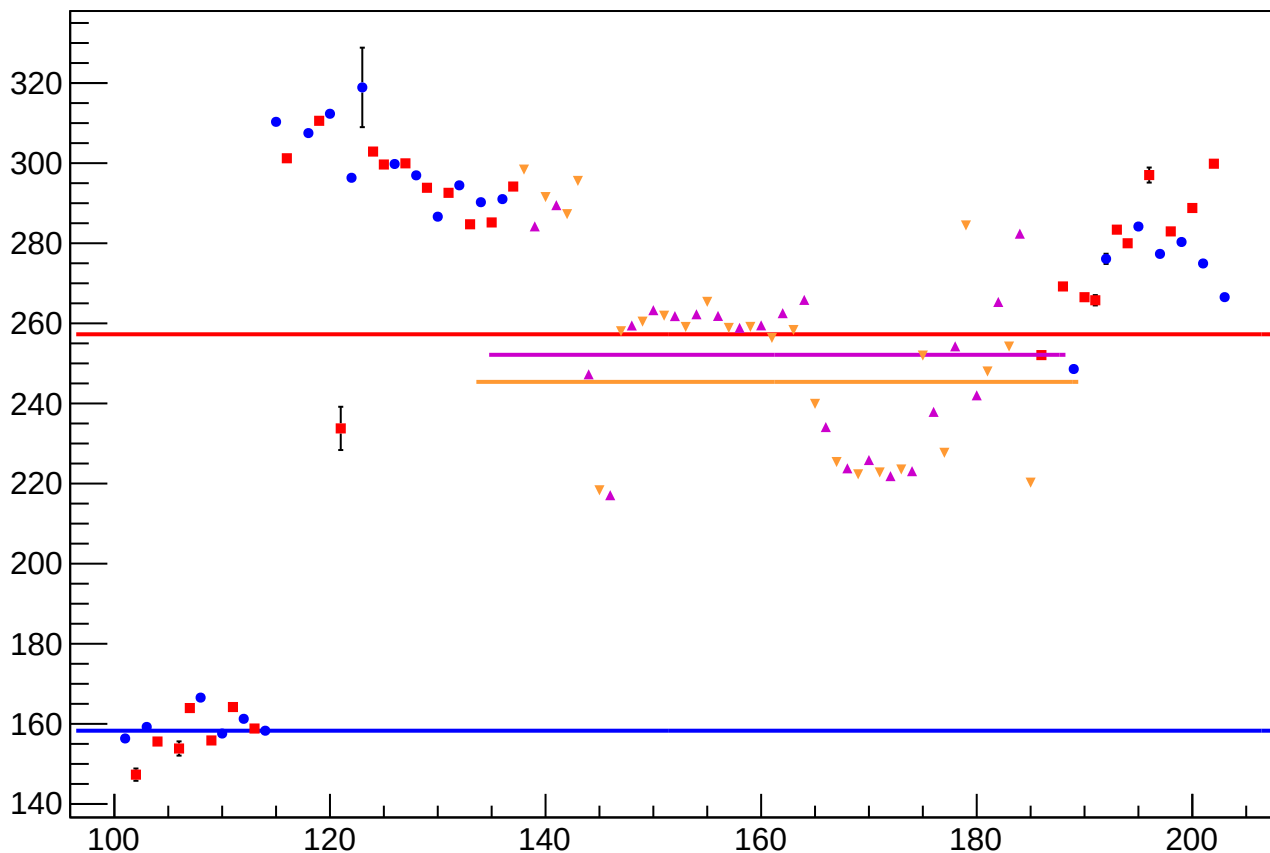
Right: 4.057 ± 0.000 χ^2/NDF : 2474488.1/51

In: 4.057 ± 0.000 χ^2/NDF : 6657483.3/46

Out: -17.146 ± 0.009 χ^2/NDF : 365871.1/52

All: 4.057 ± 0.000 χ^2/NDF : 12178651.4/99

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293 ± 0.000 χ^2/NDF : 2619550.4/23

Left Out: 245.391 ± 0.027 χ^2/NDF : 723564.6/24

Right Out: 257.273 ± 0.060 χ^2/NDF : 976321.5/27

Left In: 252.148 ± 0.028 χ^2/NDF : 359416.7/22

Left: 248.650 ± 0.020 χ^2/NDF : 1112396.8/47

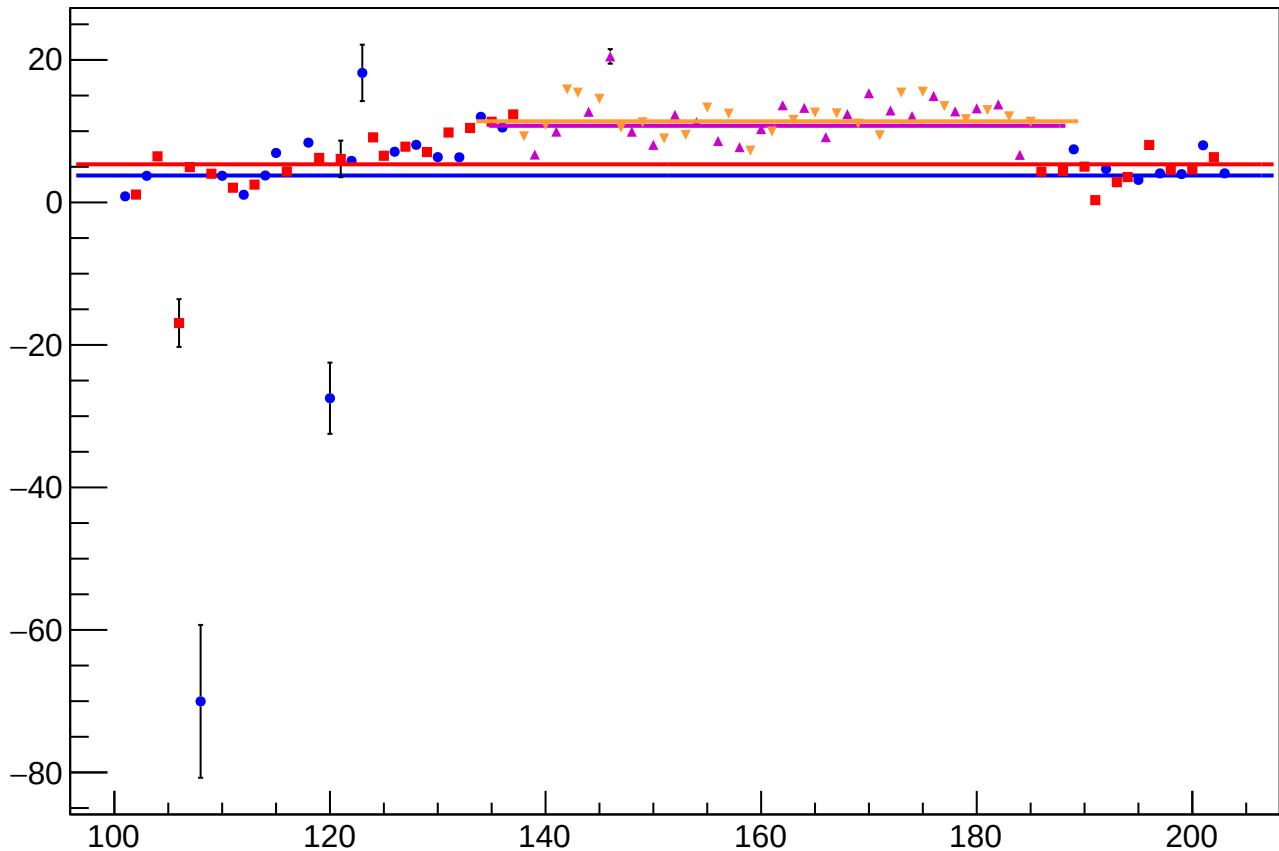
Right: 158.293 ± 0.000 χ^2/NDF : 6279358.9/51

In: 158.293 ± 0.000 χ^2/NDF : 13942602.9/46

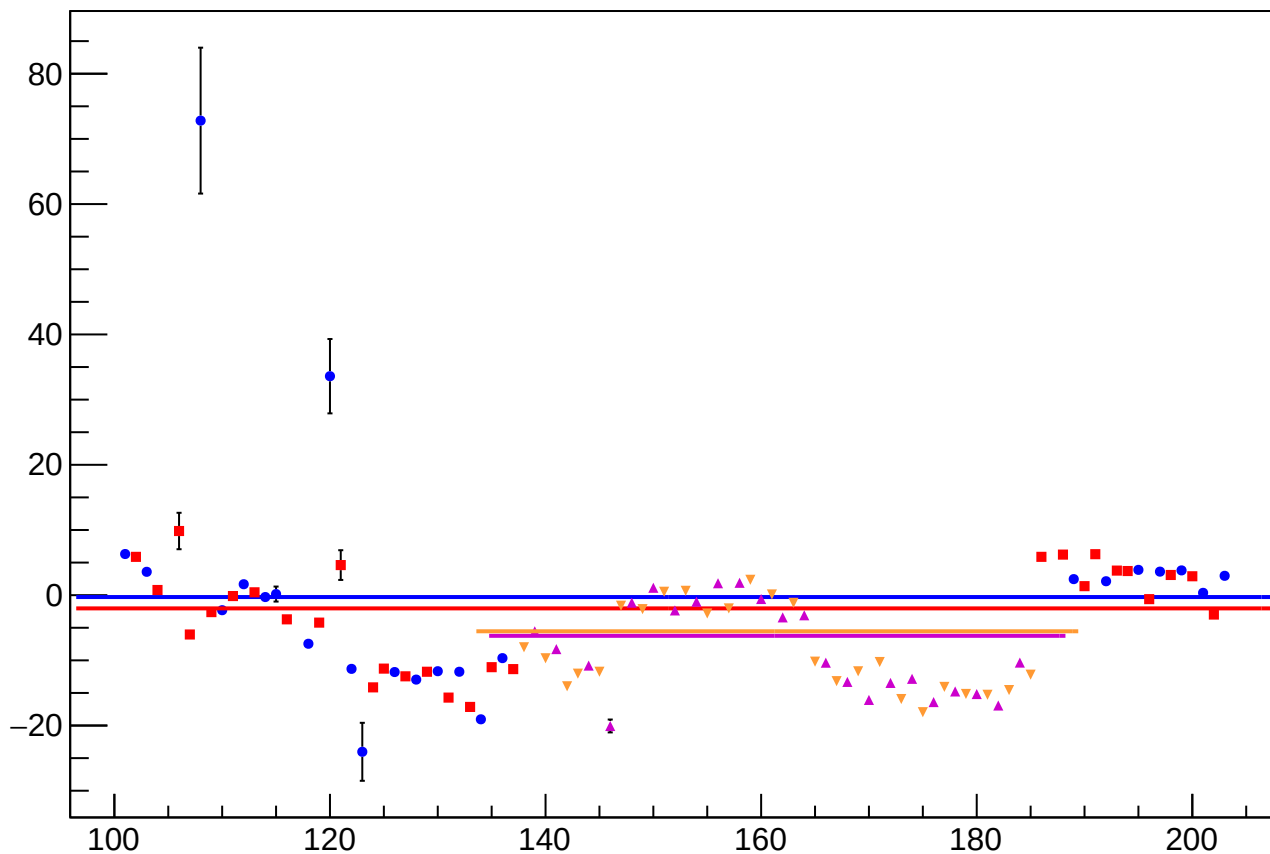
Out: 247.413 ± 0.025 χ^2/NDF : 1731976.7/52

All: 158.293 ± 0.000 χ^2/NDF : 28456576.2/99

dit_sam5_4aX_slope vs Slug, Sign Corrected



dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 χ^2/NDF : 51840.2/23

Left Out: -5.539 ± 0.030 χ^2/NDF : 43439.8/24

Right Out: -2.028 ± 0.021 χ^2/NDF : 113824.9/27

Left In: -6.234 ± 0.028 χ^2/NDF : 57358.9/22

Left: -5.909 ± 0.021 χ^2/NDF : 101082.7/47

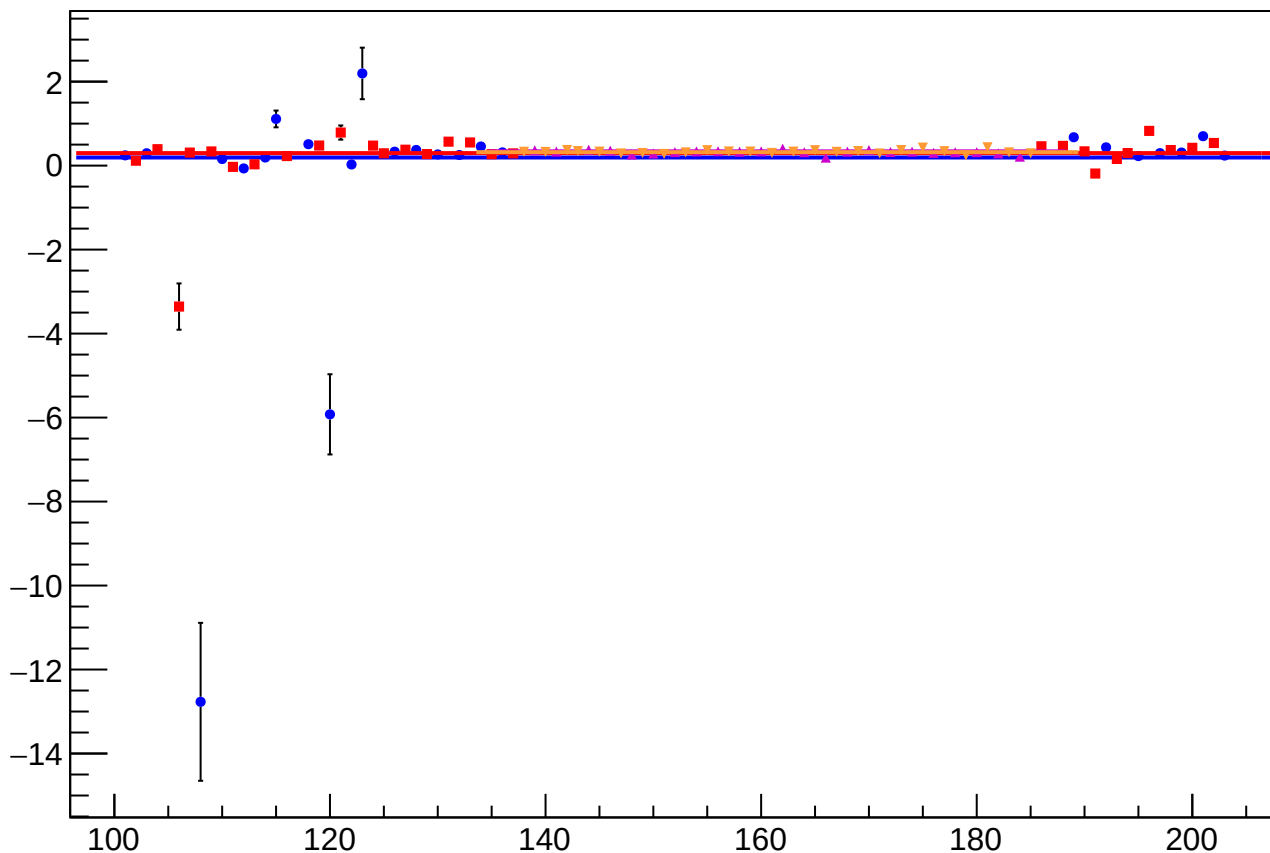
Right: -0.287 ± 0.000 χ^2/NDF : 172660.7/51

In: -0.287 ± 0.000 χ^2/NDF : 153558.0/46

Out: -3.164 ± 0.017 χ^2/NDF : 166468.7/52

All: -0.287 ± 0.000 χ^2/NDF : 348260.8/99

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193 $\pm$ 0.000 χ^2 /NDF: 11312.2/23

Left Out: 0.320 $\pm$ 0.001 χ^2 /NDF:3374.4/24

Right Out: 0.298 $\pm$ 0.001 χ^2 /NDF: 8449.1/27

Left In: 0.340 $\pm$ 0.001 χ^2 /NDF:4171.9/22

Left: 0.330 $\pm$ 0.000 χ^2 /NDF: 8287.4/47

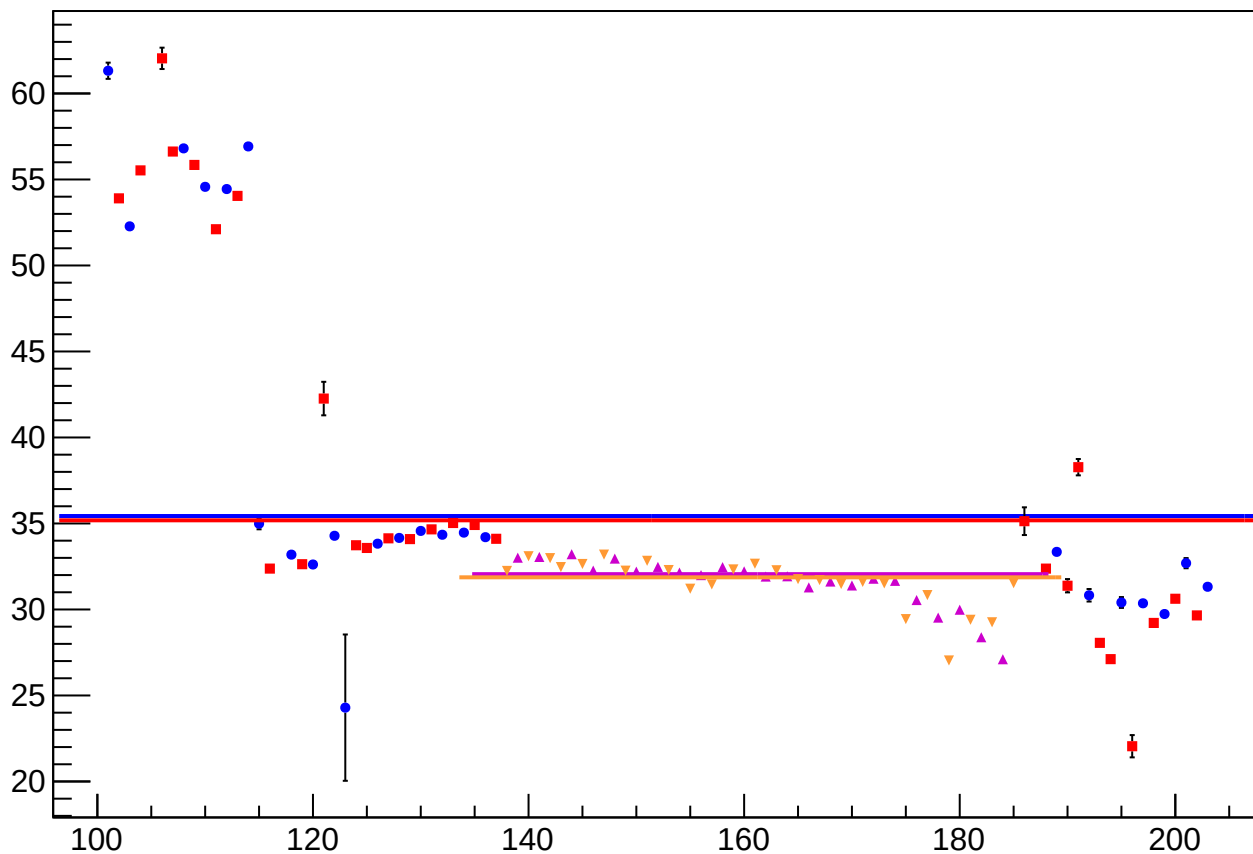
Right: 0.193 $\pm$ 0.000 χ^2 /NDF: 25593.7/51

In: 0.193 $\pm$ 0.000 χ^2 /NDF:92081.3/46

Out: 0.317 $\pm$ 0.000 χ^2 /NDF:12054.1/52

All: 0.193 $\pm$ 0.000 χ^2 /NDF: 172953.9/99

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.433 $\pm$ 0.011 χ^2 /NDF: 228286.2/23

Left Out: 31.869 $\pm$ 0.003 χ^2 /NDF: 61955.3/24

Right Out: 35.183 $\pm$ 0.010 χ^2 /NDF: 282073.4/27

Left In: 32.053 $\pm$ 0.003 χ^2 /NDF: 32470.5/22

Left: 31.953 $\pm$ 0.002 χ^2 /NDF: 96020.3/47

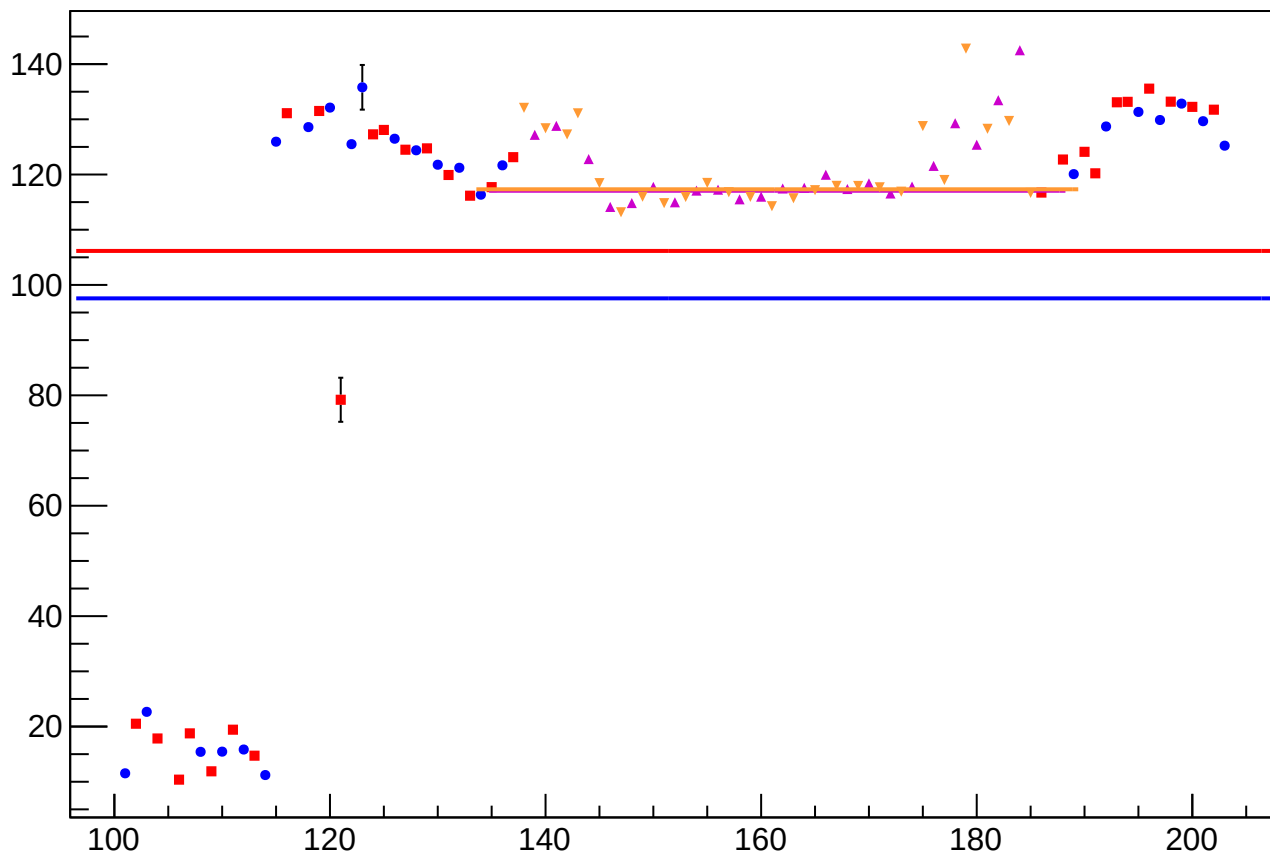
Right: 35.301 $\pm$ 0.008 χ^2 /NDF: 510628.9/51

In: 32.345 $\pm$ 0.003 χ^2 /NDF: 345368.9/46

Out: 32.140 $\pm$ 0.003 χ^2 /NDF: 436557.7/52

All: 32.233 $\pm$ 0.002 χ^2 /NDF: 784084.9/99

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 97.566 $\pm$ 0.028 χ^2 /NDF: 2879677.8/23

Left Out: 117.323 $\pm$ 0.008 χ^2 /NDF: 172684.3/24

Right Out: 106.158 $\pm$ 0.024 χ^2 /NDF: 3484925.3/27

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

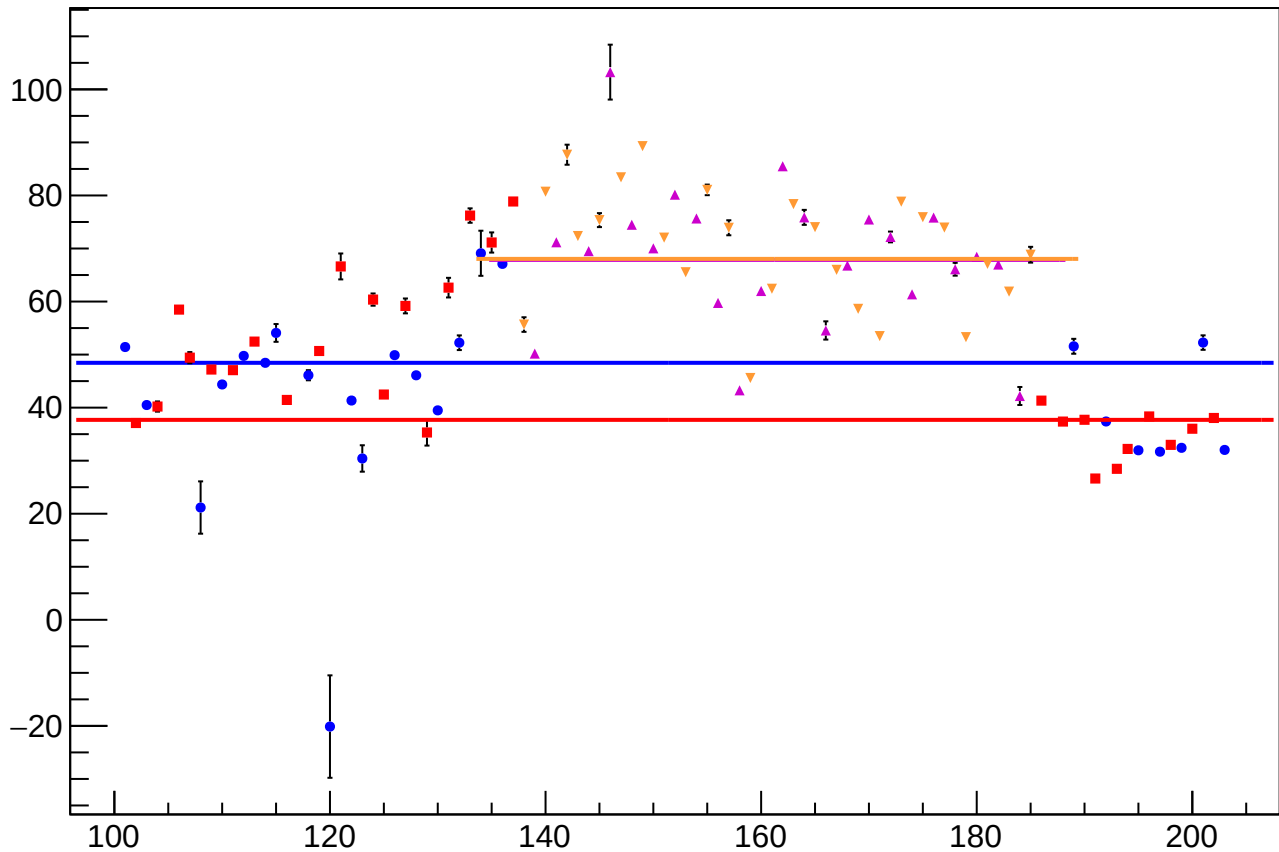
Right: 102.444 $\pm$ 0.018 χ^2 /NDF: 6419690.1/51

In: 115.256 $\pm$ 0.008 χ^2 /NDF: 3395855.7/46

Out: 116.251 $\pm$ 0.007 χ^2 /NDF: 3852133.0/52

All: 115.812 $\pm$ 0.006 χ^2 /NDF: 7255840.7/99

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450 ± 0.000 χ^2/NDF : 16738.0/23

Left Out: 68.044 ± 0.132 χ^2/NDF : 6670.6/24

Right Out: 37.695 ± 0.074 χ^2/NDF : 14012.0/27

Left In: 67.852 ± 0.126 χ^2/NDF : 5519.9/22

Left: 67.943 ± 0.091 χ^2/NDF : 12191.7/47

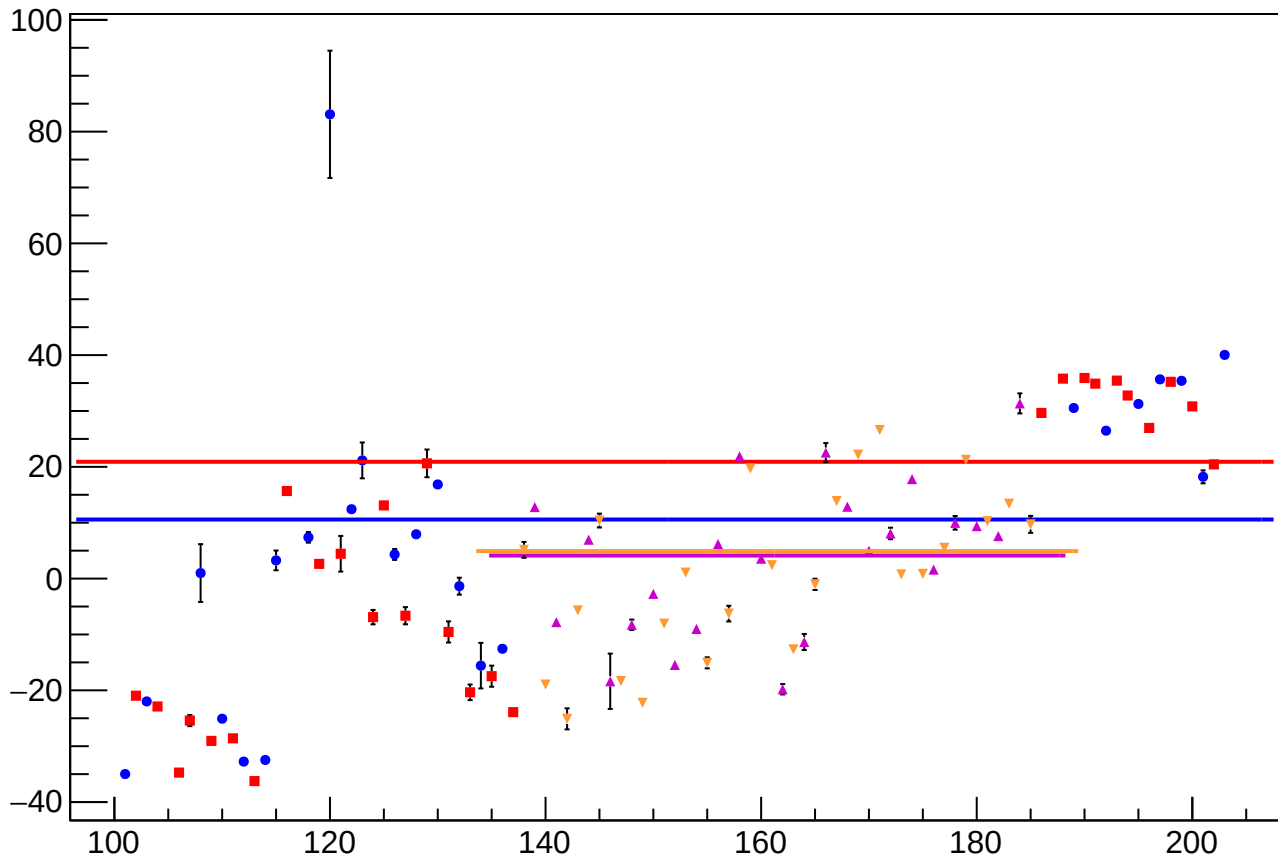
Right: 48.450 ± 0.000 χ^2/NDF : 51682.6/51

In: 48.450 ± 0.000 χ^2/NDF : 46113.5/46

Out: 44.981 ± 0.065 χ^2/NDF : 60701.6/52

All: 48.450 ± 0.000 χ^2/NDF : 109679.9/99

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: 10.574 ± 0.099 χ^2/NDF : 83178.1/23

Left Out: 4.920 ± 0.132 χ^2/NDF : 10378.5/24

Right Out: 20.909 ± 0.068 χ^2/NDF : 105359.9/27

Left In: 4.129 ± 0.127 χ^2/NDF : 6161.4/22

Left: 4.508 ± 0.092 χ^2/NDF : 16558.6/47

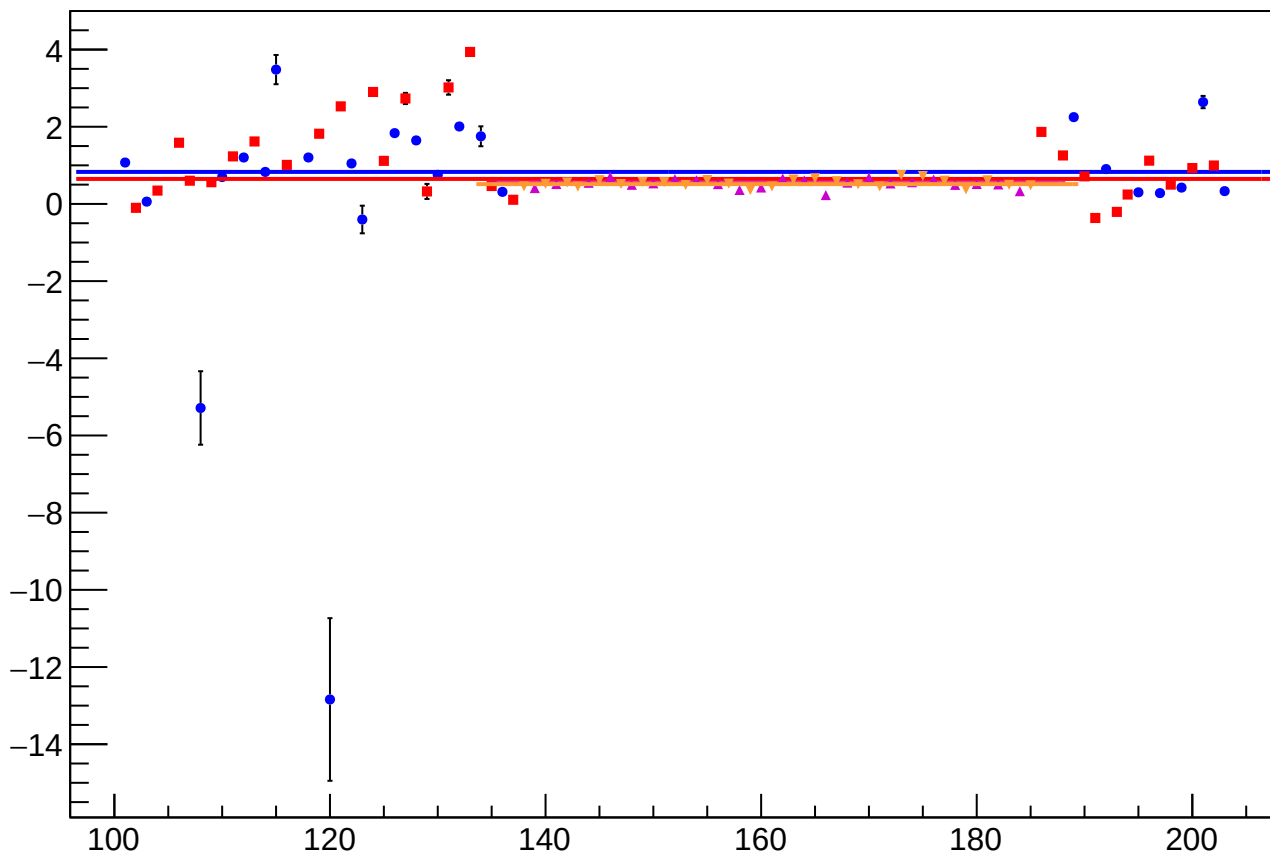
Right: 17.583 ± 0.056 χ^2/NDF : 195933.6/51

In: 8.137 ± 0.078 χ^2/NDF : 90943.1/46

Out: 17.550 ± 0.061 χ^2/NDF : 127291.7/52

All: 14.010 ± 0.048 χ^2/NDF : 227311.5/99

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 ± 0.000 χ^2/NDF : 16330.2/23

Left Out: 0.513 ± 0.001 χ^2/NDF : 15206.1/24

Right Out: 0.648 ± 0.005 χ^2/NDF : 9554.6/27

Left In: 0.536 ± 0.001 χ^2/NDF : 11764.8/22

Left: 0.526 ± 0.001 χ^2/NDF : 27282.9/47

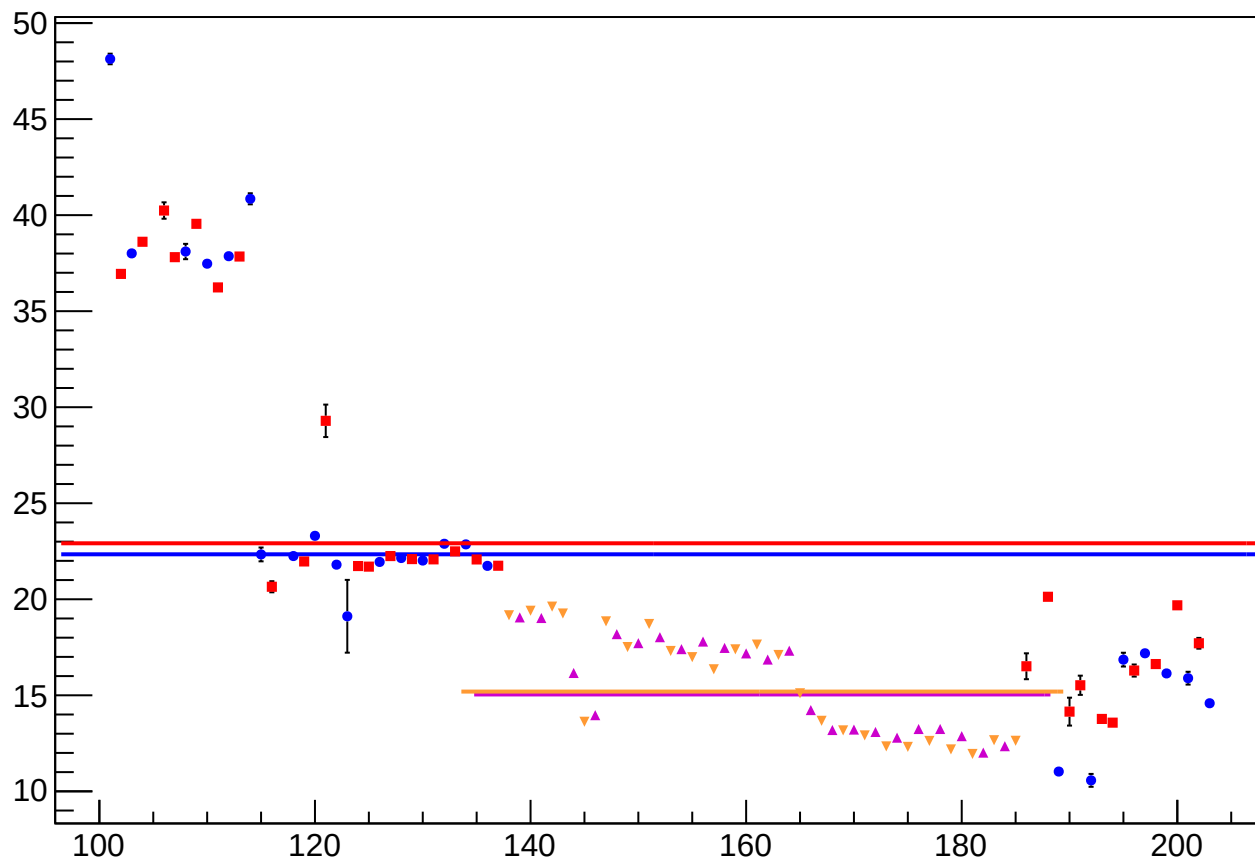
Right: 0.830 ± 0.000 χ^2/NDF : 27025.2/51

In: 0.830 ± 0.000 χ^2/NDF : 143334.5/46

Out: 0.518 ± 0.001 χ^2/NDF : 25367.1/52

All: 0.830 ± 0.000 χ^2/NDF : 277441.5/99

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.341 $\pm$ 0.009 χ^2 /NDF: 130023.5/23

Left Out: 15.194 $\pm$ 0.004 χ^2 /NDF: 417095.1/24

Right Out: 22.914 $\pm$ 0.009 χ^2 /NDF: 172025.8/27

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

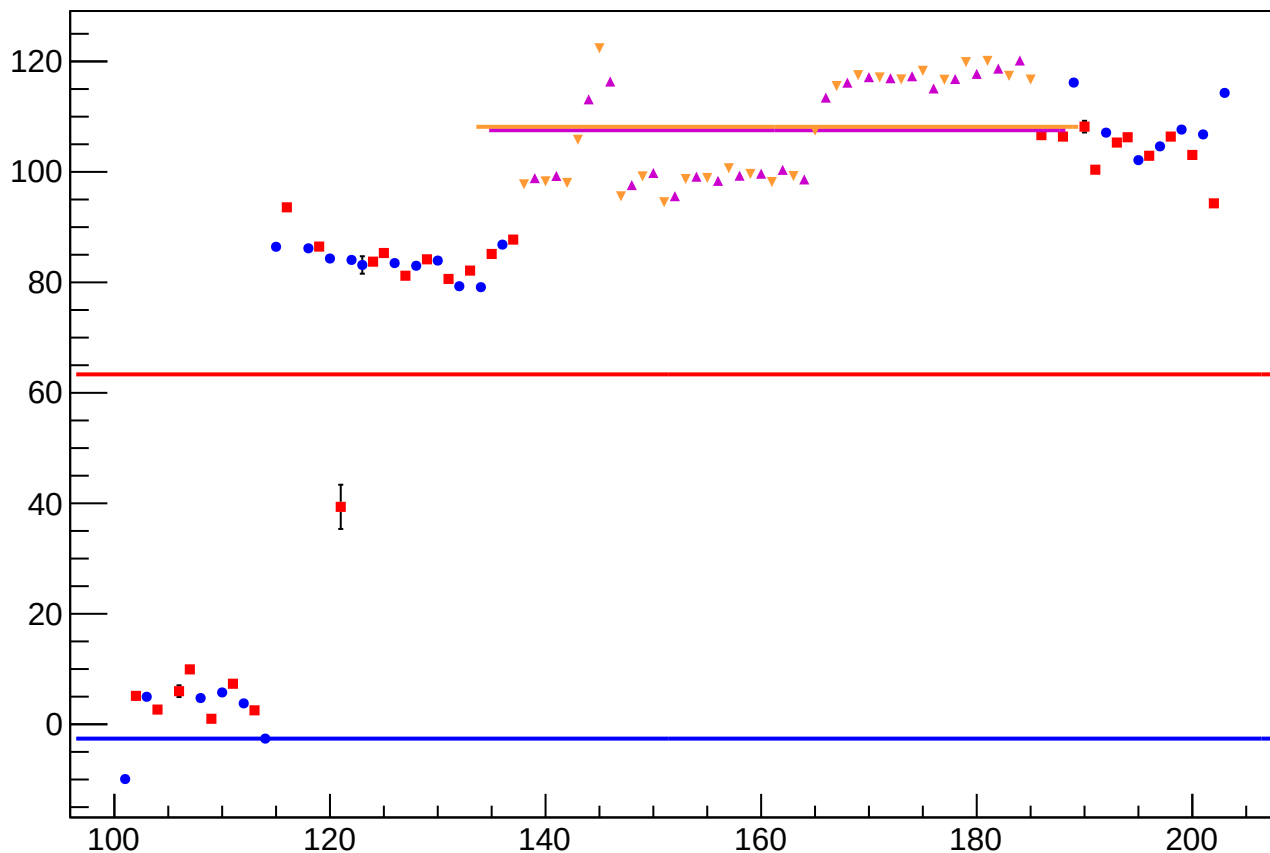
Right: 22.635 $\pm$ 0.006 χ^2 /NDF: 304033.0/51

In: 16.509 $\pm$ 0.004 χ^2 /NDF: 916943.5/46

Out: 16.615 $\pm$ 0.004 χ^2 /NDF: 1191448.5/52

All: 16.566 $\pm$ 0.003 χ^2 /NDF: 2108741.8/99

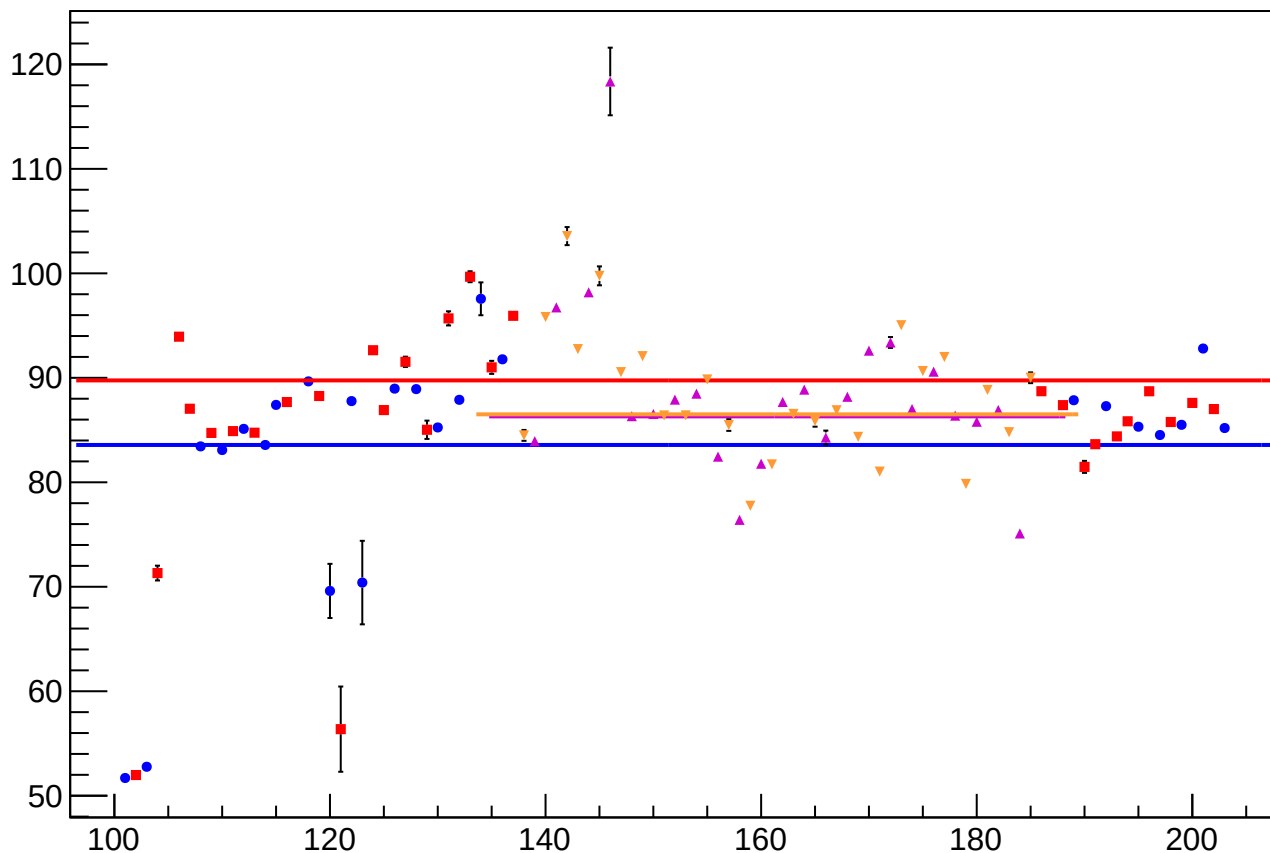
dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596 ± 0.000 χ^2/NDF : 8633493.3/23
 Left Out: 108.162 ± 0.009 χ^2/NDF : 1076822.4/24
 Right Out: 63.344 ± 0.030 χ^2/NDF : 1737285.7/27
 Left In: 107.543 ± 0.009 χ^2/NDF : 988940.0/22

Left: 107.853 ± 0.007 χ^2/NDF : 2067974.4/47
 Right: -2.596 ± 0.000 χ^2/NDF : 15189464.2/51
 In: -2.596 ± 0.000 χ^2/NDF : 149189489.4/46
 Out: 104.239 ± 0.009 χ^2/NDF : 4845322.4/52
 All: -2.596 ± 0.000 χ^2/NDF : 298533442.5/99

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573 $\pm$ 0.000 χ^2 /NDF: 51323.8/23

Left Out: 86.505 $\pm$ 0.060 χ^2 /NDF:8553.0/24

Right Out: 89.752 $\pm$ 0.020 χ^2 /NDF: 78530.8/27

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

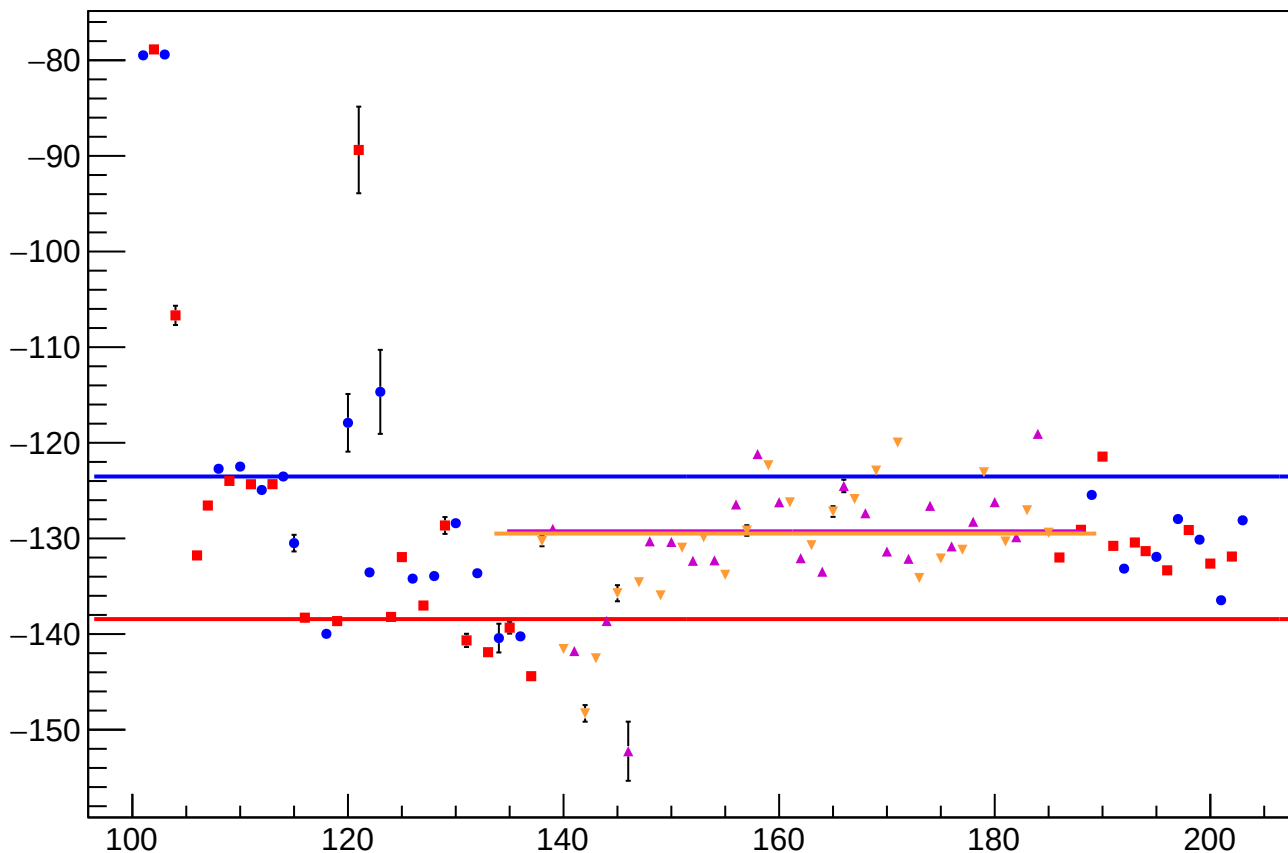
Right: 83.573 $\pm$ 0.000 χ^2 /NDF: 226147.1/51

In: 83.573 $\pm$ 0.000 χ^2 /NDF:62822.4/46

Out: 89.429 $\pm$ 0.019 χ^2 /NDF:89727.7/52

All: 83.573 $\pm$ 0.000 χ^2 /NDF: 248592.9/99

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524 $\pm$ 0.000 χ^2/NDF : 182057.2/23

Left Out: -129.492 $\pm$ 0.059 χ^2/NDF : 10775.3/24

Right Out: -138.435 $\pm$ 0.016 χ^2/NDF : 304846.3/27

Left In: -129.256 $\pm$ 0.052 χ^2/NDF : 6558.2/22

Left: -129.358 $\pm$ 0.039 χ^2/NDF : 17342.6/47

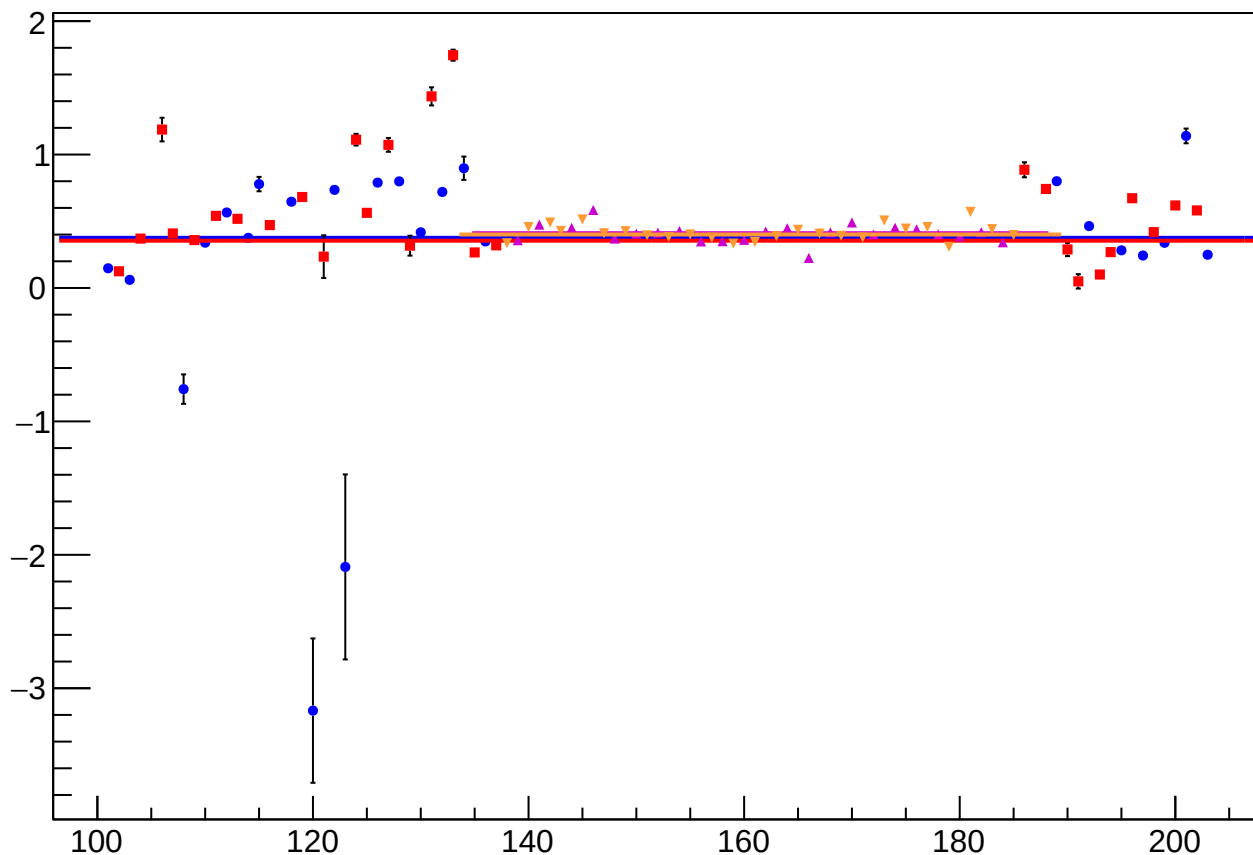
Right: -123.524 $\pm$ 0.000 χ^2/NDF : 1349672.6/51

In: -123.524 $\pm$ 0.000 χ^2/NDF : 200978.2/46

Out: -137.823 $\pm$ 0.015 χ^2/NDF : 336876.2/52

All: -123.524 $\pm$ 0.000 χ^2/NDF : 1389528.7/99

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 4566.4/23

Left Out: 0.401 $\pm$ 0.000 χ^2 /NDF:9030.9/24

Right Out: 0.354 $\pm$ 0.001 χ^2 /NDF: 7119.0/27

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

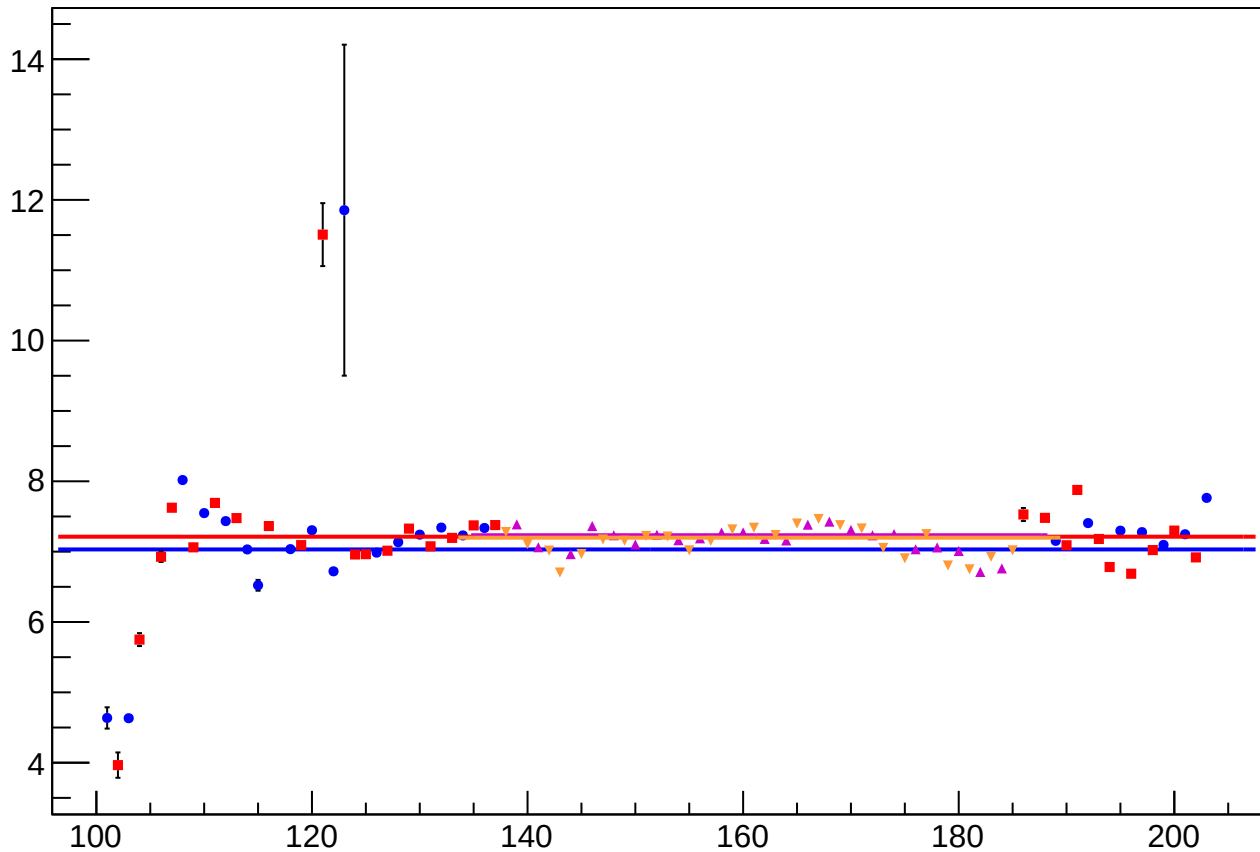
Right: 0.376 $\pm$ 0.000 χ^2 /NDF: 11908.2/51

In: 0.376 $\pm$ 0.000 χ^2 /NDF:18937.5/46

Out: 0.396 $\pm$ 0.000 χ^2 /NDF:17083.1/52

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 37819.7/99

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 21941.5/23

Left Out: 7.199 $\pm$ 0.001 χ^2 /NDF:37453.7/24

Right Out: 7.213 $\pm$ 0.002 χ^2 /NDF: 11082.7/27

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

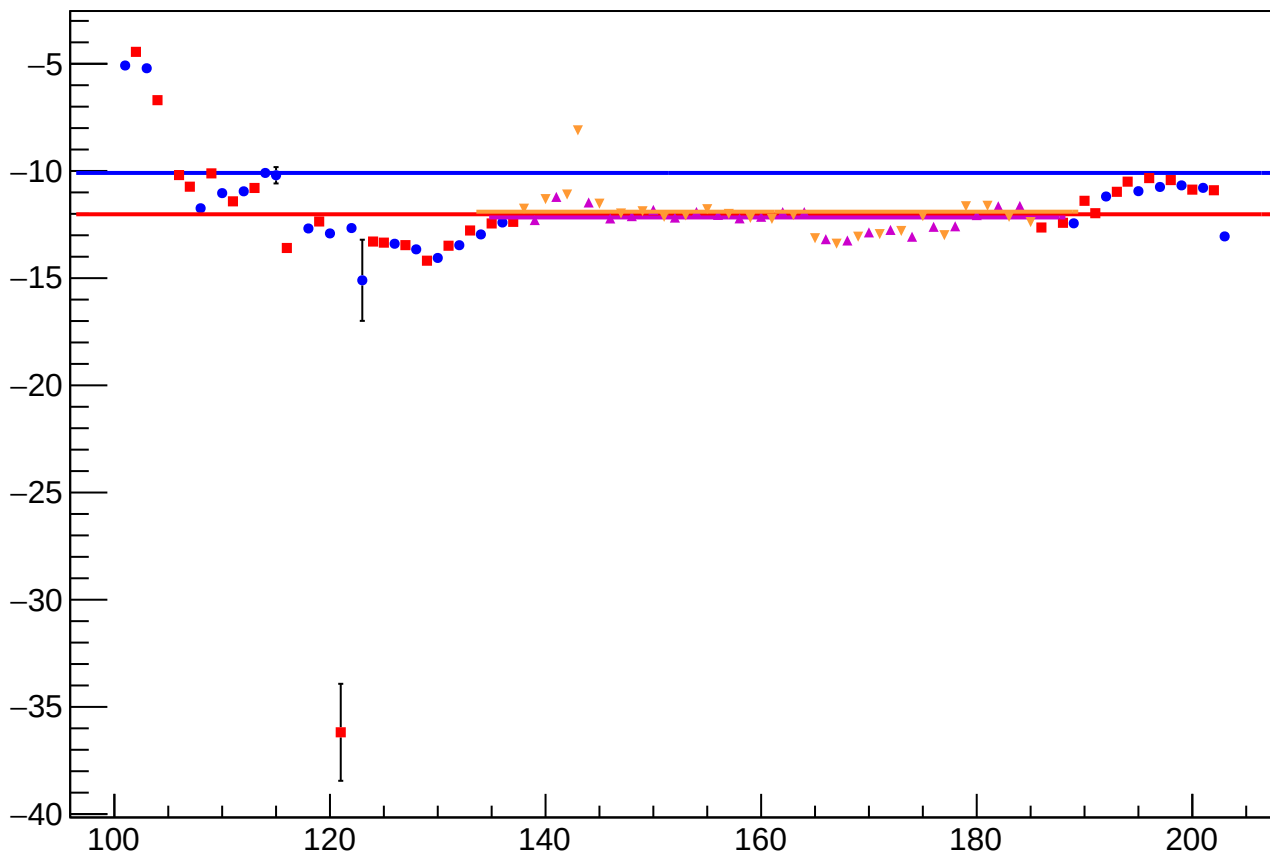
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 39710.3/51

In: 7.032 $\pm$ 0.000 χ^2 /NDF:103787.8/46

Out: 7.201 $\pm$ 0.001 χ^2 /NDF:48569.8/52

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 193361.4/99

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 ± 0.000 χ^2/NDF : 566146.4/23

Left Out: -11.899 ± 0.002 χ^2/NDF : 498866.6/24

Right Out: -12.020 ± 0.003 χ^2/NDF : 167616.6/27

Left In: -12.169 ± 0.002 χ^2/NDF : 49568.3/22

Left: -12.033 ± 0.001 χ^2/NDF : 561016.9/47

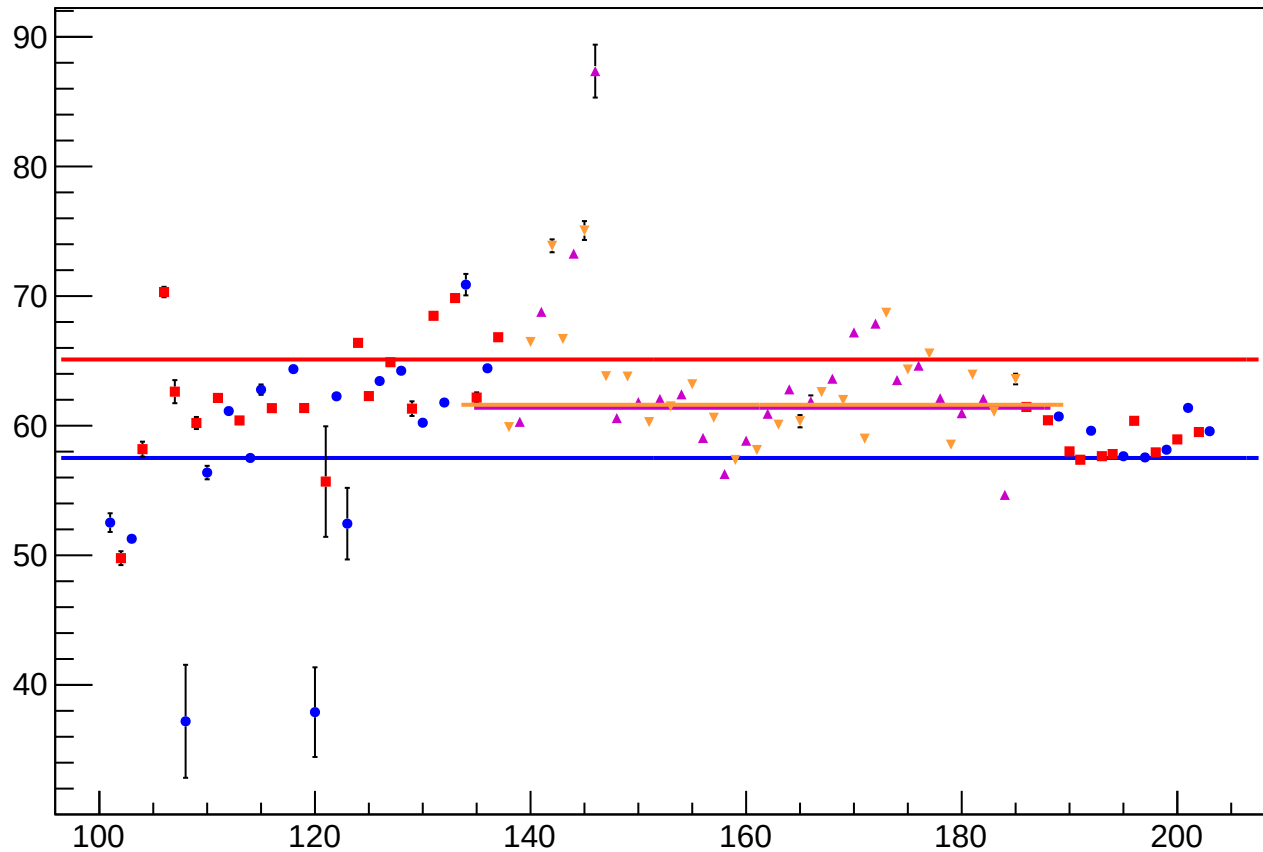
Right: -10.092 ± 0.000 χ^2/NDF : 1114906.6/51

In: -10.092 ± 0.000 χ^2/NDF : 2098562.1/46

Out: -11.927 ± 0.001 χ^2/NDF : 667638.3/52

All: -10.092 ± 0.000 χ^2/NDF : 4289285.9/99

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 ± 0.000 $\chi^2/\text{NDF}: 10434.0/23$

Left Out: 61.615 ± 0.039 $\chi^2/\text{NDF}: 7756.9/24$

Right Out: 65.108 ± 0.012 $\chi^2/\text{NDF}: 80906.5/27$

Left In: 61.383 ± 0.033 $\chi^2/\text{NDF}: 8900.0/22$

Left: 61.479 ± 0.025 $\chi^2/\text{NDF}: 16677.8/47$

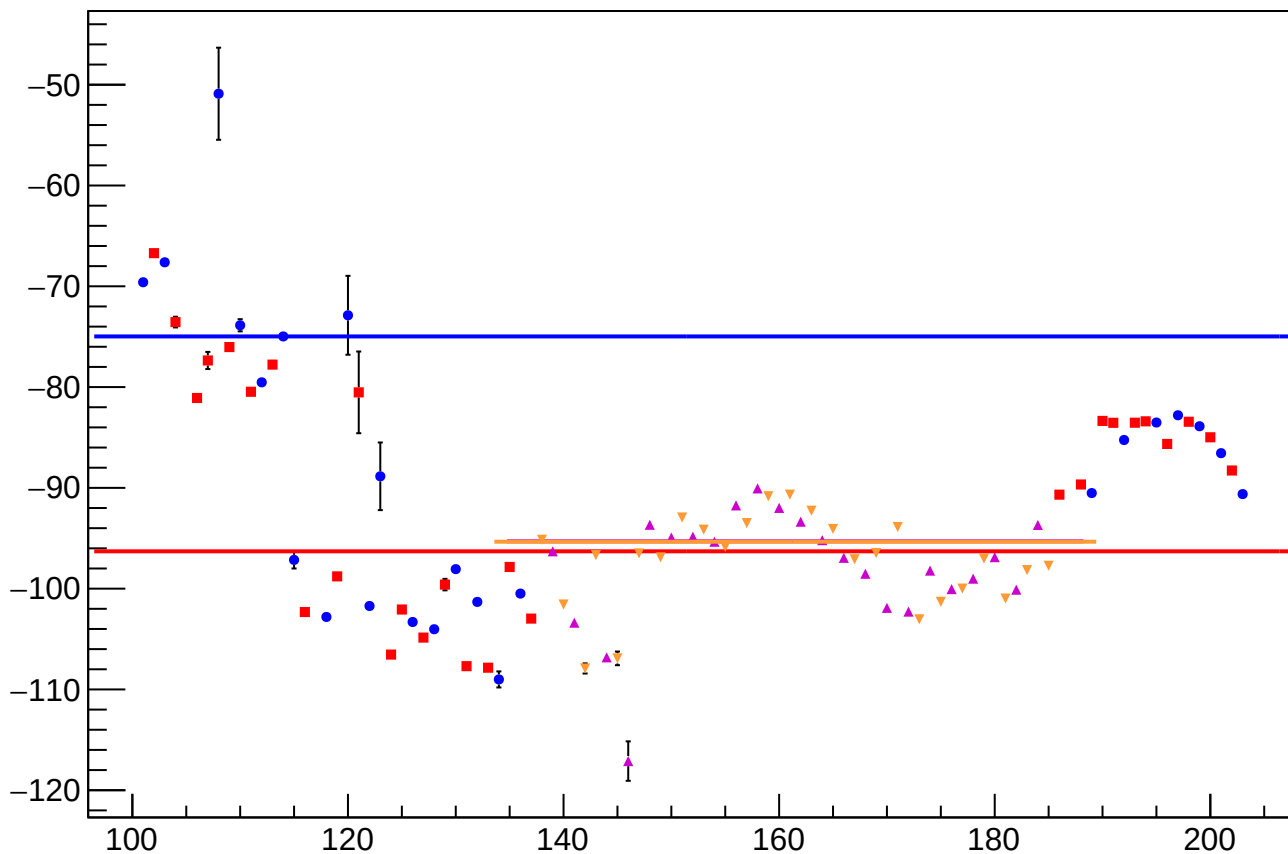
Right: 57.510 ± 0.000 $\chi^2/\text{NDF}: 509464.6/51$

In: 57.510 ± 0.000 $\chi^2/\text{NDF}: 33486.7/46$

Out: 64.816 ± 0.011 $\chi^2/\text{NDF}: 96055.6/52$

All: 57.510 ± 0.000 $\chi^2/\text{NDF}: 551415.1/99$

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 239194.1/23$

Left Out: -95.342 ± 0.039 $\chi^2/\text{NDF}: 9387.4/24$

Right Out: -96.295 ± 0.014 $\chi^2/\text{NDF}: 391802.1/27$

Left In: -95.301 ± 0.033 $\chi^2/\text{NDF}: 11271.5/22$

Left: -95.319 ± 0.025 $\chi^2/\text{NDF}: 20659.5/47$

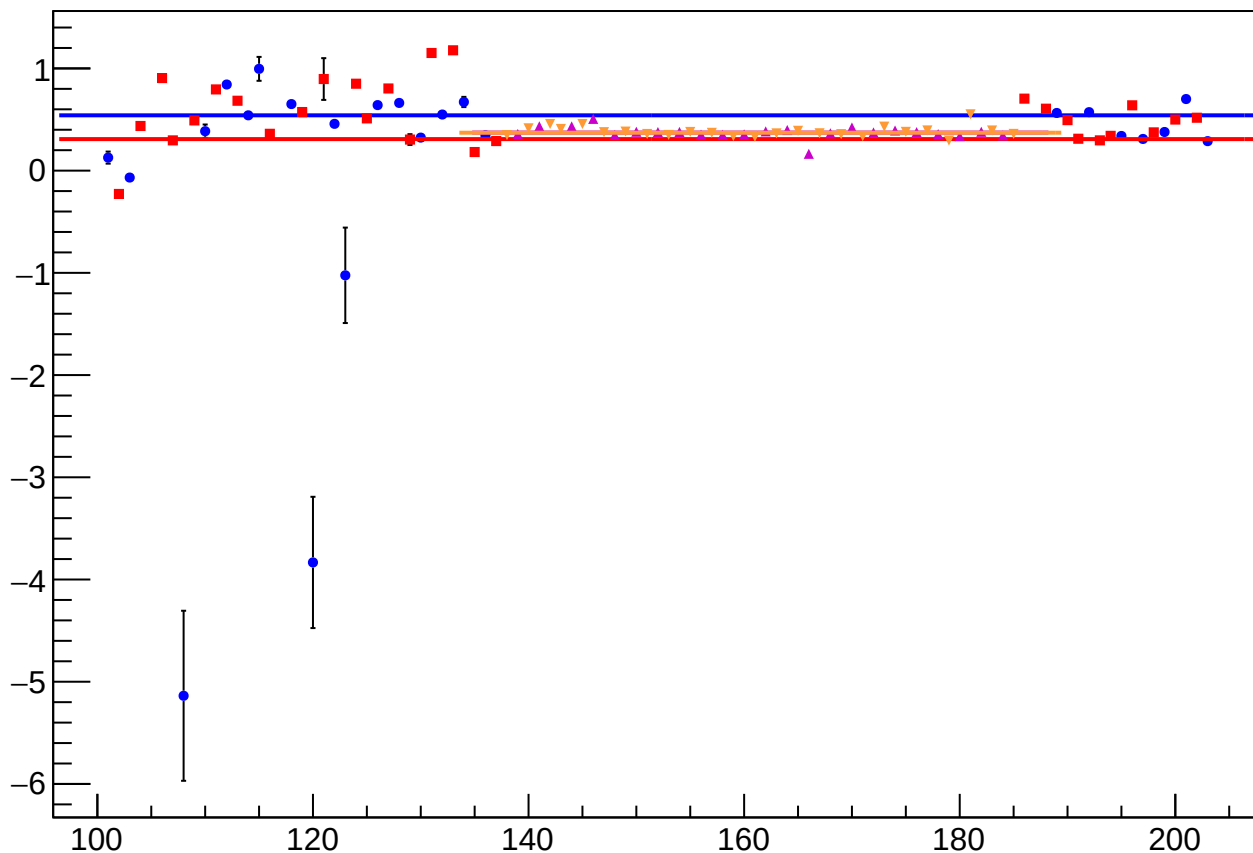
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2850713.9/51$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 625417.7/46$

Out: -96.181 ± 0.013 $\chi^2/\text{NDF}: 401722.7/52$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 3523286.2/99$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541 $\pm$ 0.000 χ^2 /NDF: 31476.8/23

Left Out: 0.371 $\pm$ 0.000 χ^2 /NDF: 6797.7/24

Right Out: 0.308 $\pm$ 0.001 χ^2 /NDF: 12621.0/27

Left In: 0.372 $\pm$ 0.000 χ^2 /NDF: 6020.6/22

Left: 0.372 $\pm$ 0.000 χ^2 /NDF: 12824.6/47

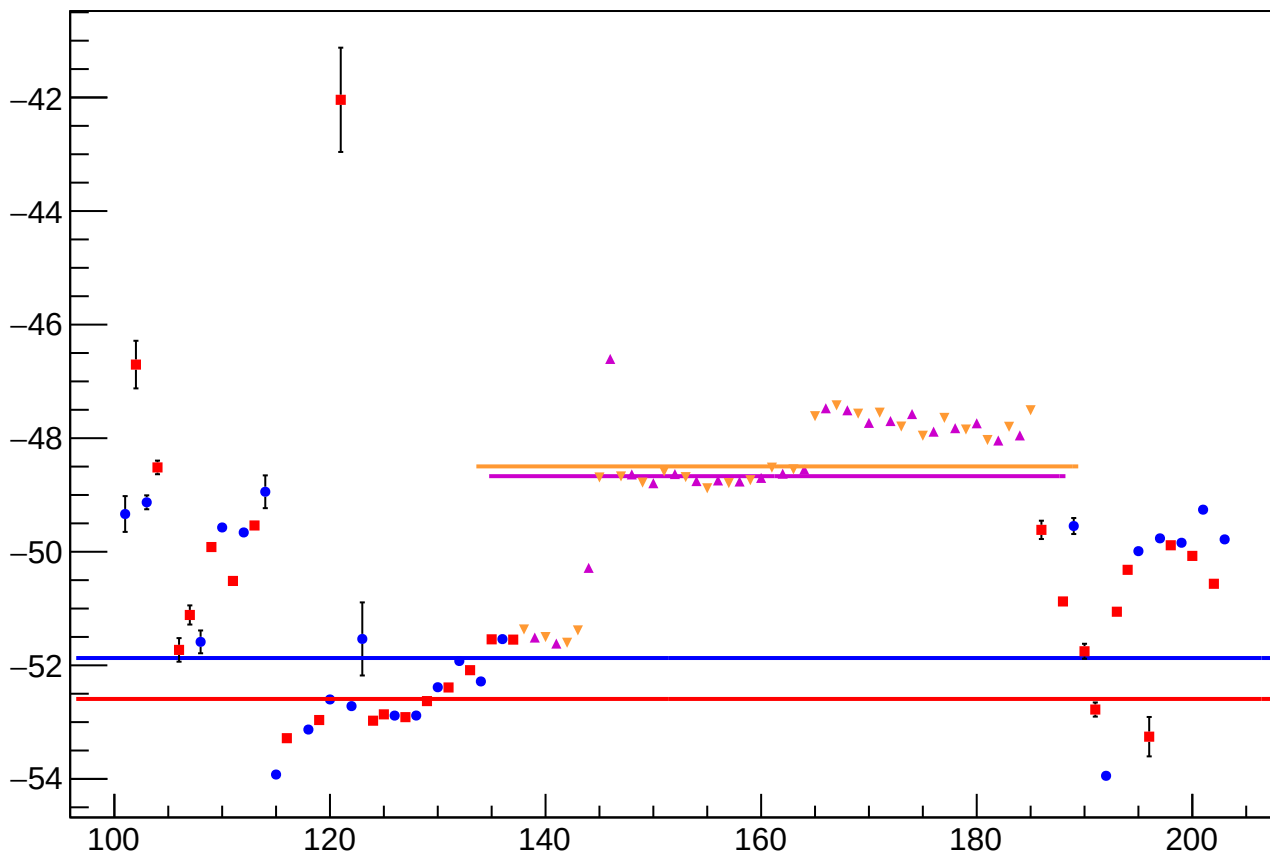
Right: 0.541 $\pm$ 0.000 χ^2 /NDF: 131191.9/51

In: 0.541 $\pm$ 0.000 χ^2 /NDF: 336613.2/46

Out: 0.360 $\pm$ 0.000 χ^2 /NDF: 24599.4/52

All: 0.541 $\pm$ 0.000 χ^2 /NDF: 654439.6/99

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -51.871 ± 0.002 χ^2/NDF : 85885.0/23

Left Out: -48.497 ± 0.001 χ^2/NDF : 699790.4/24

Right Out: -52.592 ± 0.003 χ^2/NDF : 91190.0/27

Left In: -48.669 ± 0.001 χ^2/NDF : 809321.2/22

Left: -48.594 ± 0.001 χ^2/NDF : 1523797.8/47

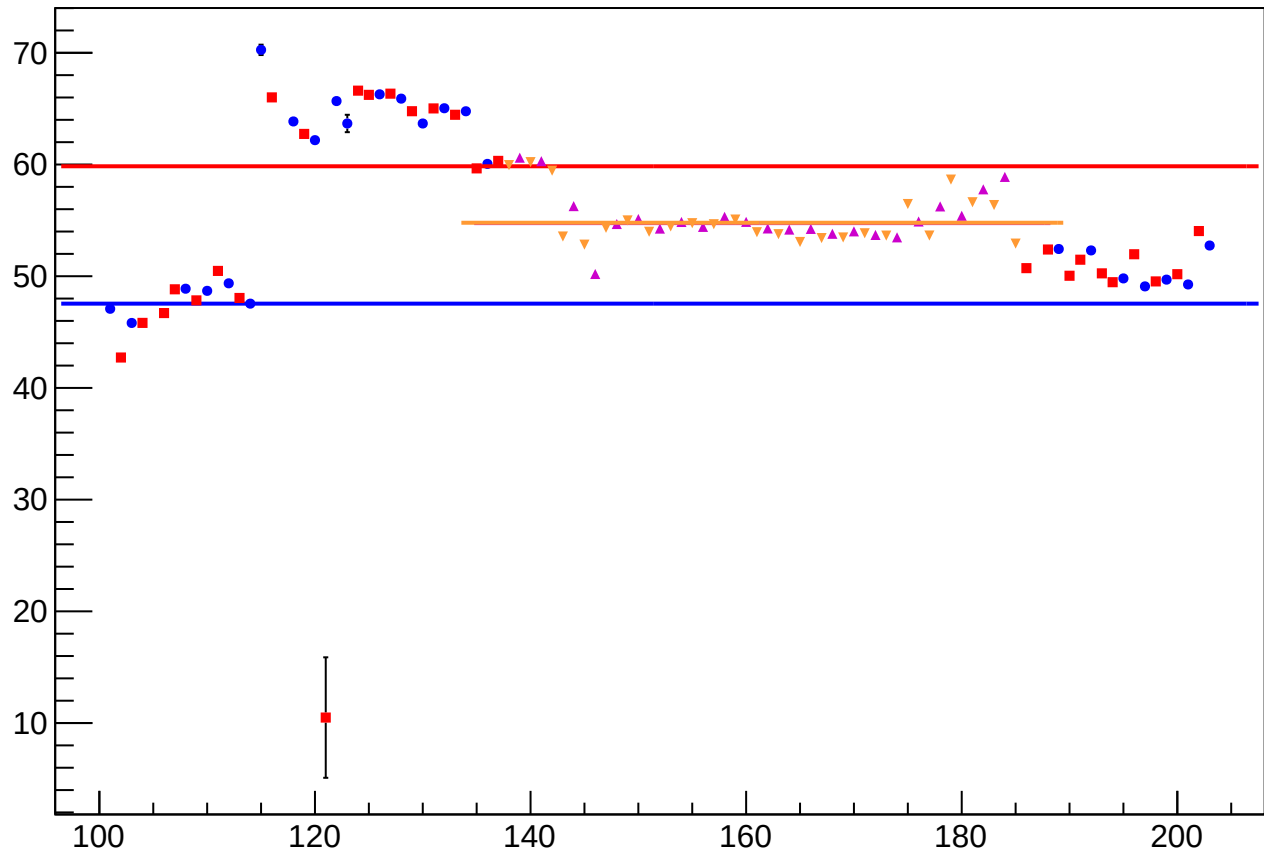
Right: -52.187 ± 0.002 χ^2/NDF : 223350.8/51

In: -49.153 ± 0.001 χ^2/NDF : 2664908.8/46

Out: -49.122 ± 0.001 χ^2/NDF : 3044889.9/52

All: -49.139 ± 0.001 χ^2/NDF : 5710369.6/99

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545 $\pm$ 0.000 χ^2 /NDF: 3618648.0/23

Left Out: 54.787 $\pm$ 0.003 χ^2 /NDF:301226.3/24

Right Out: 59.842 $\pm$ 0.006 χ^2 /NDF: 1093521.1/27

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

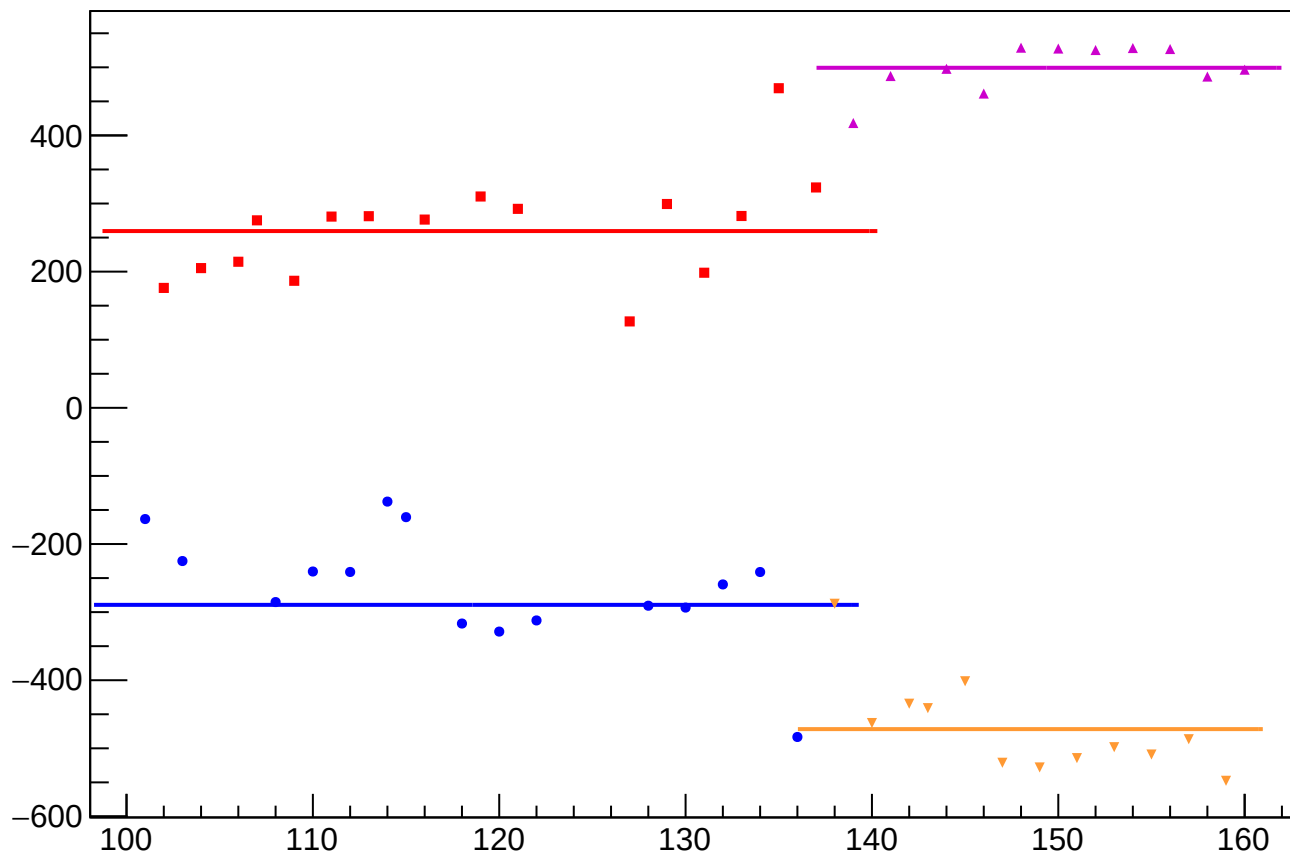
Right: 47.545 $\pm$ 0.000 χ^2 /NDF: 8329625.8/51

In: 47.545 $\pm$ 0.000 χ^2 /NDF:11374207.5/46

Out: 55.656 $\pm$ 0.003 χ^2 /NDF:1901019.6/52

All: 47.545 $\pm$ 0.000 χ^2 /NDF: 22434036.1/99

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

Left Out: -471.791+/-0.000

Right Out: 259.558+/-0.000

Left In: 499.323+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

χ^2/NDF : 4407577357733372304653153526381281280.0/11

χ^2/NDF : 4299886792692123970784563983770714112.0/15

χ^2/NDF : 1018789461606644410107221718465511424.0/10

Left: 16.408+/-0.000 χ^2/NDF : 4387510726187305

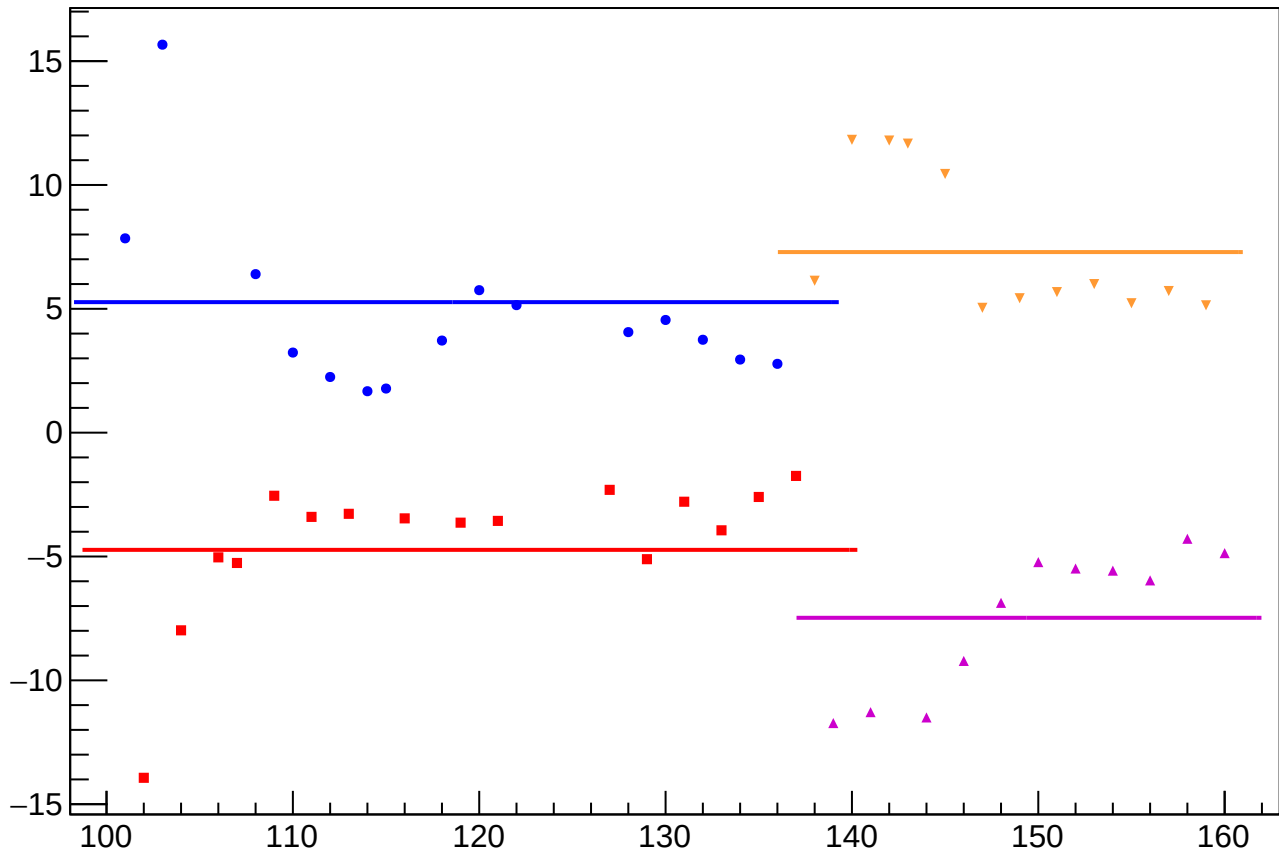
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -163.246+/-0.000 χ^2/NDF : 214955339400548

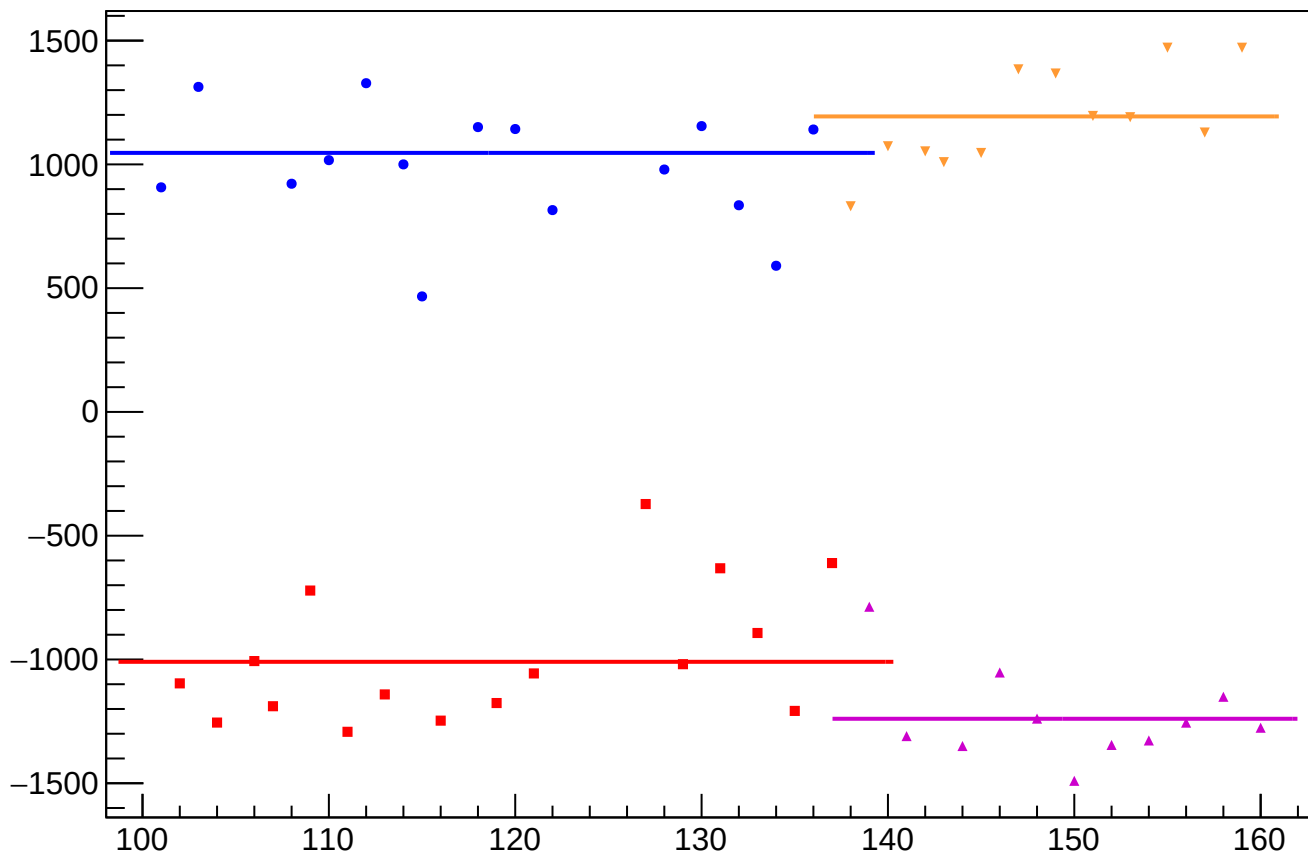
All: 4.918+/-0.000 χ^2/NDF : 54810108058073

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



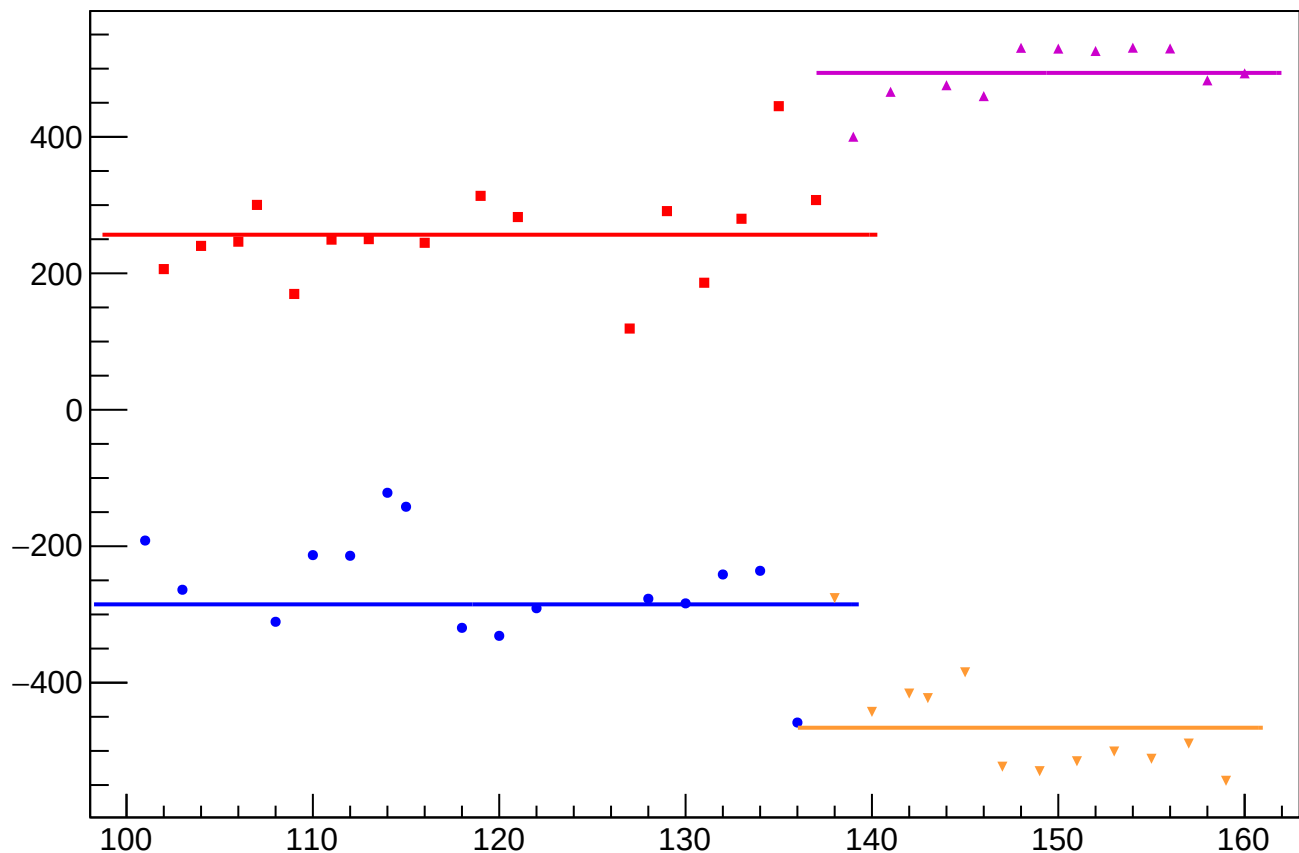
Right In: 5.270 ± 0.000 χ^2/NDF : 8709683292123798330550906790084608.0/14
 Left Out: 7.291 ± 0.000 χ^2/NDF : 6718053515172863885836432351166464.0/11
 Right Out: -4.732 ± 0.000 χ^2/NDF : 6856893072575211562802281426452480.0/15
 Left In: -7.475 ± 0.000 χ^2/NDF : 7057812139399579538870244550377472.0/10
 All: 0.007 ± 0.000 χ^2/NDF : 16250941727402.0/10

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -285.187+/-0.000

Left Out: -466.012+/-0.000

Right Out: 256.599+/-0.000

Left In: 493.780+/-0.000

χ^2/NDF : 4479585262853549838092521921291747328.0/14

χ^2/NDF : 5190970068830574132794472761412026368.0/11

χ^2/NDF : 3648271535971039165952602563191767040.0/15

χ^2/NDF : 1451794731277142230901460532226686976.0/10

Left: 16.495+/-0.000 χ^2/NDF : 42992145233665256

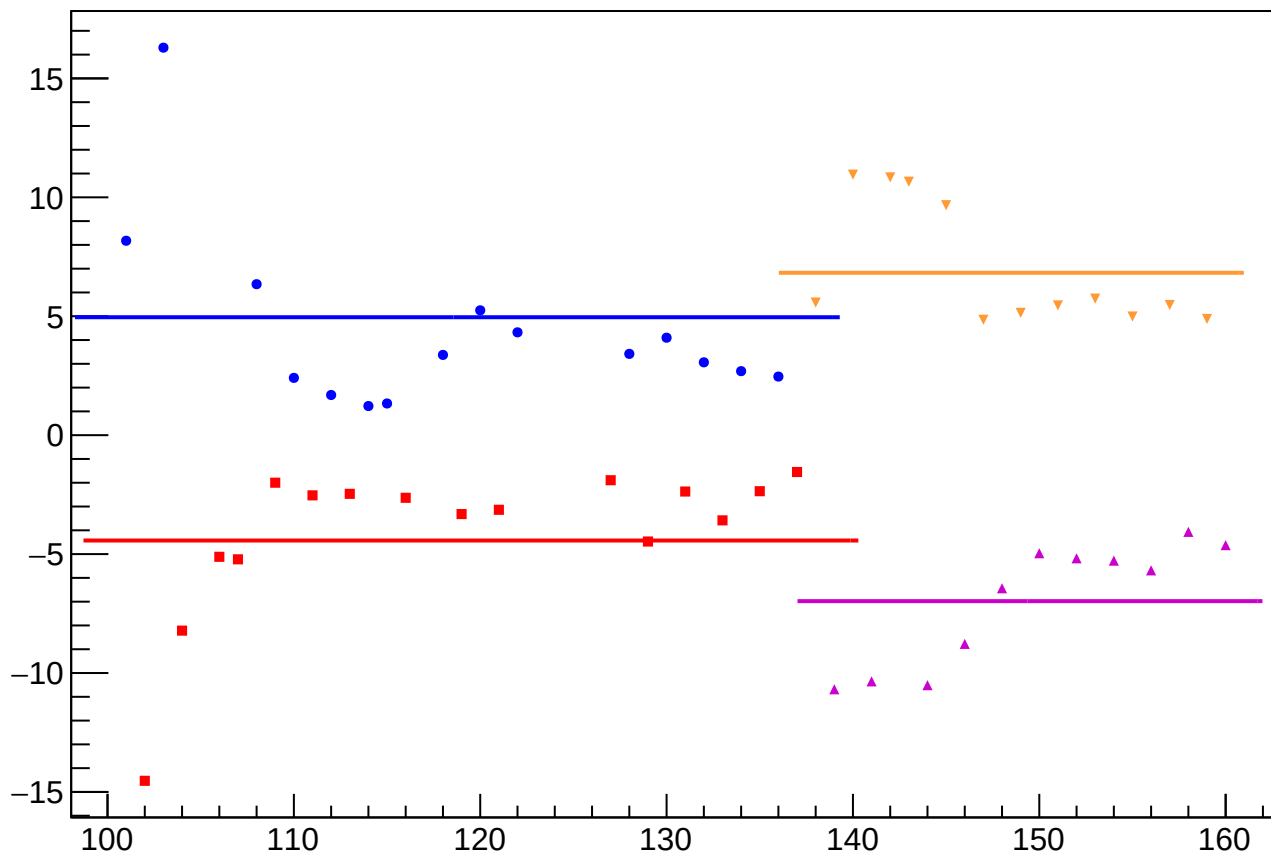
Right: -10.589+/-0.000 χ^2/NDF : 104681795299957

In: 172.388+/-0.000 χ^2/NDF : 23725794461997010

Out: -161.153+/-0.000 χ^2/NDF : 210188051150550

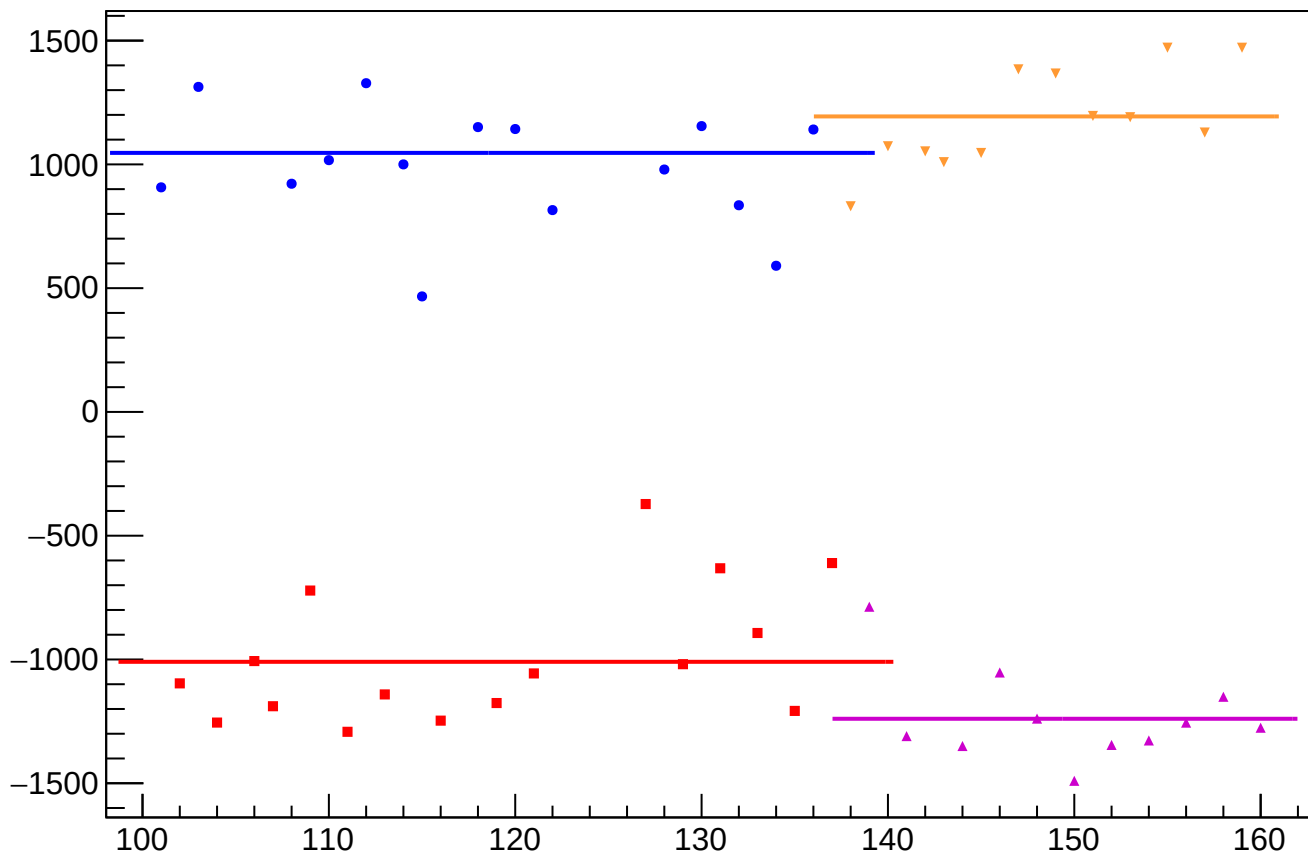
All: 5.194+/-0.000 χ^2/NDF : 53516578605527

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



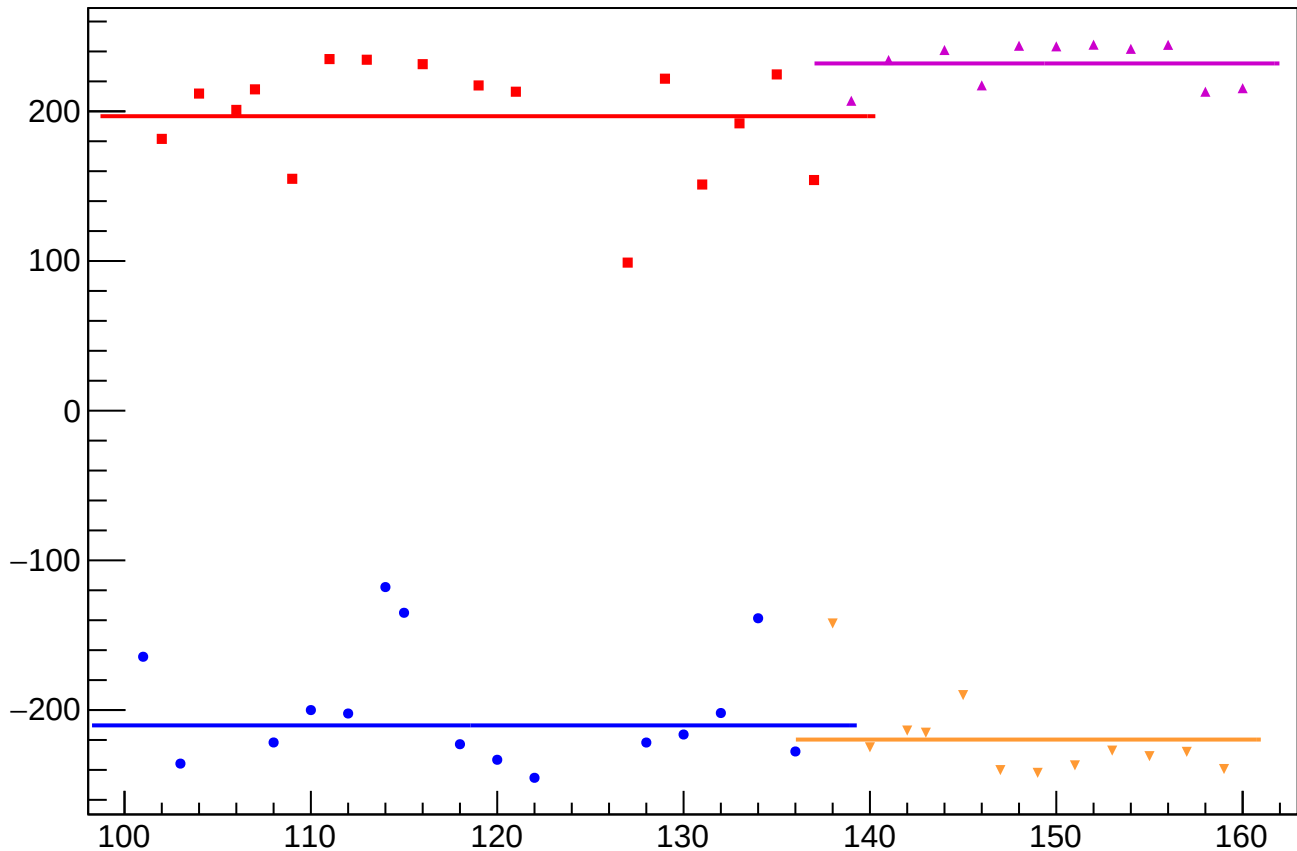
Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 6.828 ± 0.000 χ^2/NDF : 5374095498583312473439971131260928.0/11
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -6.978 ± 0.000 χ^2/NDF : 5622697014277754941158413236699136.0/10
 All: 0.018 ± 0.000 χ^2/NDF : 14647689214070

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

Left Out: -219.729+/-0.000

Right Out: 196.736+/-0.000

Left In: 231.985+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

χ^2/NDF : 691090878567021644145539364306288640.0/11

χ^2/NDF : 90958895093044840633640514790359040.0/15

χ^2/NDF : 182992027280401463139065105290887168.0/10

Left: 7.357+/-0.000 χ^2/NDF : 946302102045066653

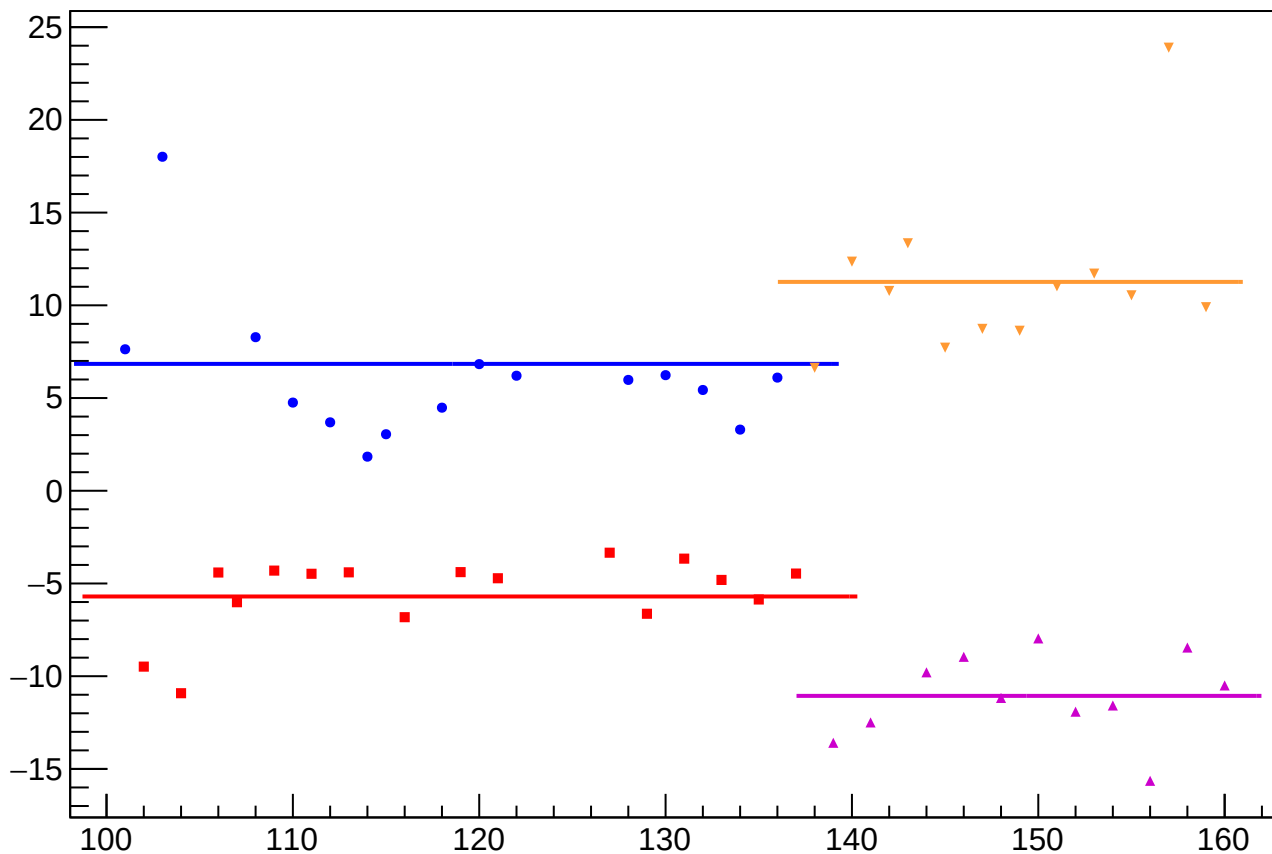
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -44.029+/-0.000 χ^2/NDF : 6848097439733710

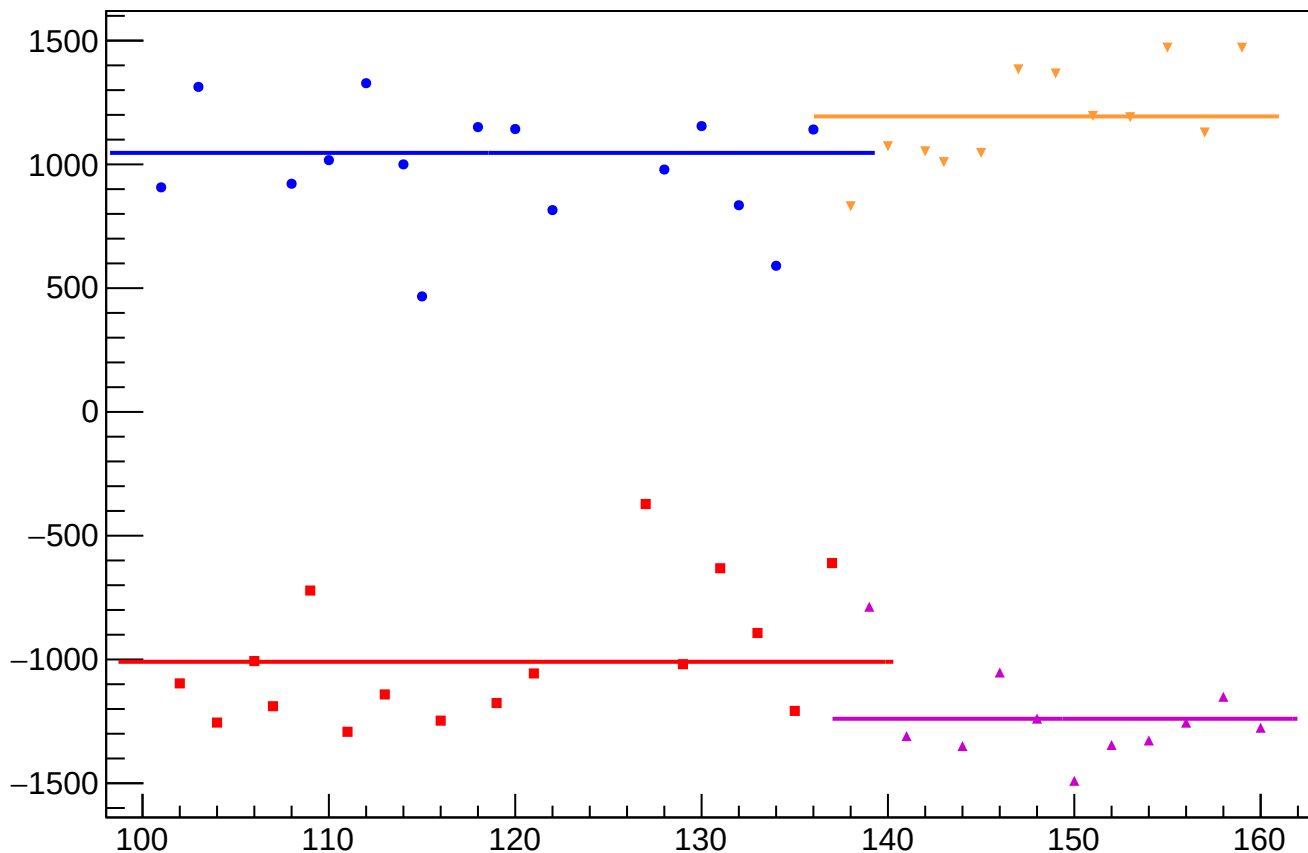
All: 2.627+/-0.000 χ^2/NDF : 15069384503153

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



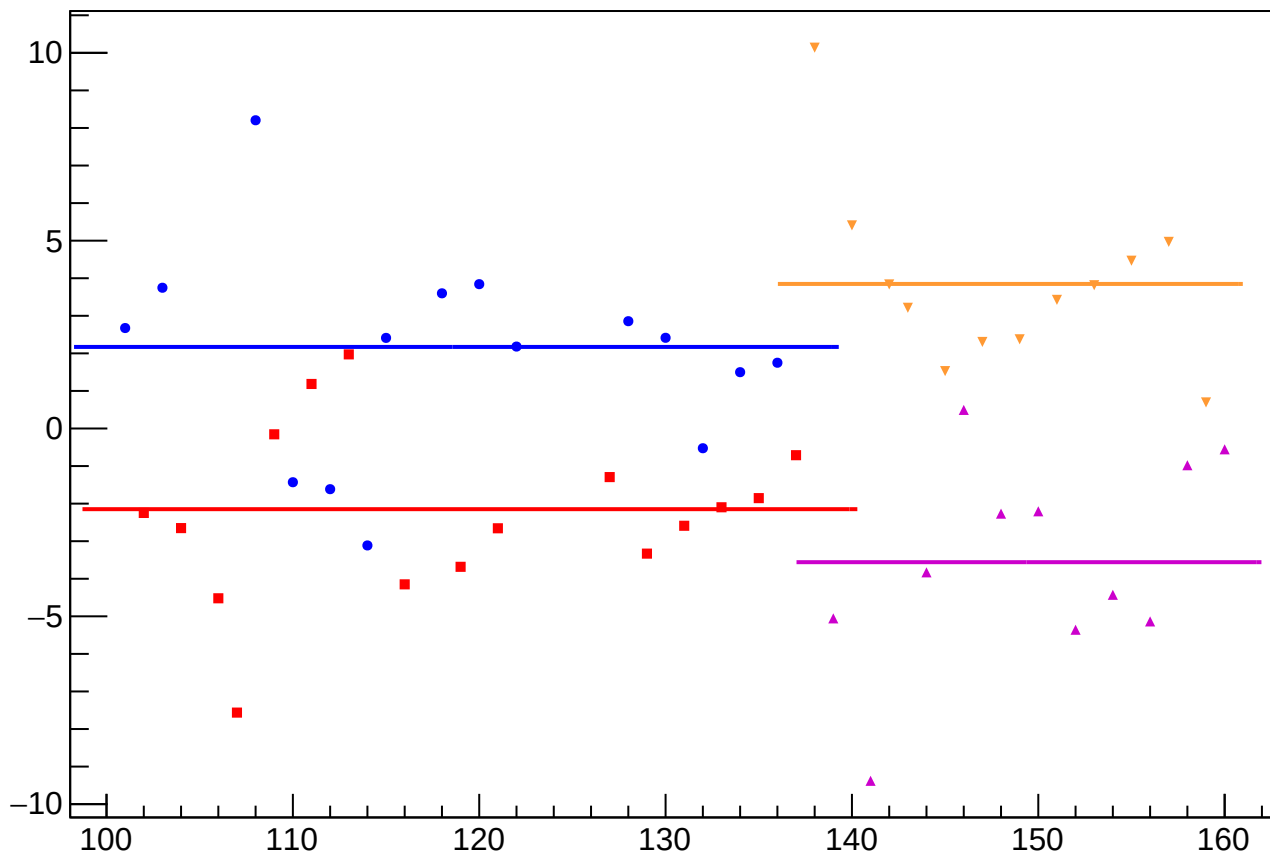
Right In: 6.842 $\pm$ 0.000 χ^2 /NDF: 9355934166823324467316647620771840.0/14
 Left Out: 11.263 $\pm$ 0.000 χ^2 /NDF: 16950484304495826735526537389408256.0/11
 Right Out: -5.701 $\pm$ 0.000 χ^2 /NDF: 3174693398300953393137731791486976.0/15
 Left In: -11.061 $\pm$ 0.000 χ^2 /NDF: 4417559387784954400311933713514496.0/10
 All: 0.226 $\pm$ 0.000 χ^2 /NDF: 31478743415470

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



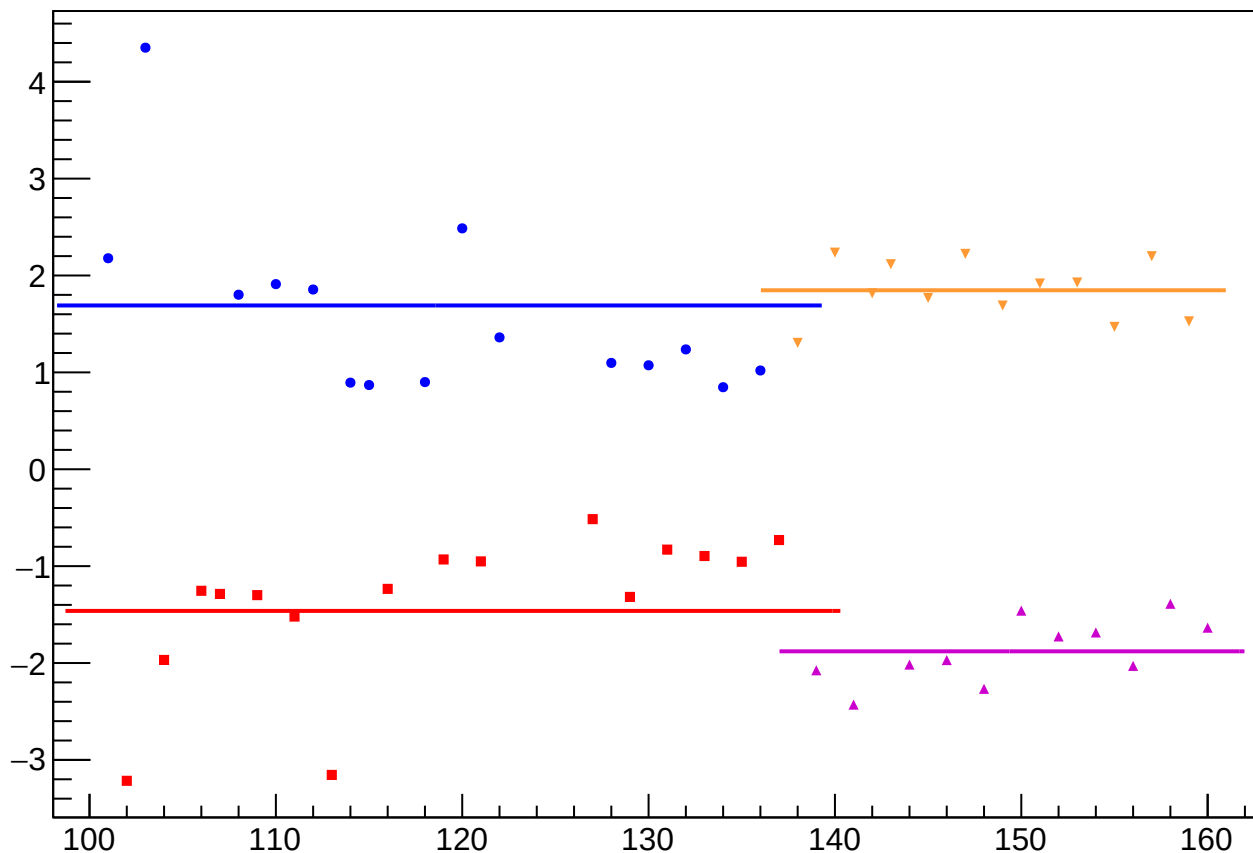
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aY_coil1_mean vs Slug, Sign Corrected



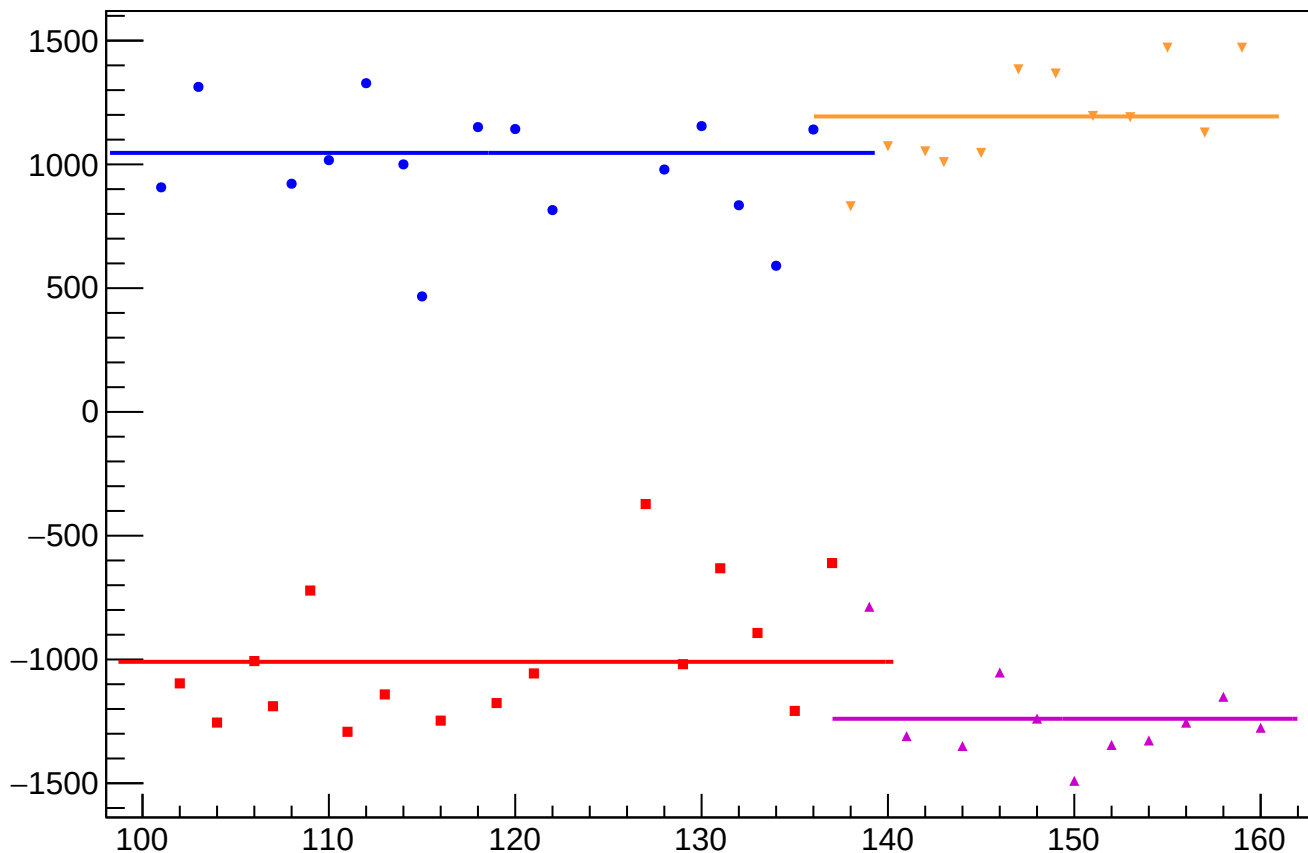
Right In: 2.171 ± 0.000 $\chi^2/\text{NDF}: 3599819246909975678410499691642880.0/14$
 Left Out: 3.848 ± 0.000 $\chi^2/\text{NDF}: 5039599457588936759406360166137856.0/11$
 Right Out: -2.148 ± 0.000 $\chi^2/\text{NDF}: 3093887336239378959606321931878400.0/15$
 Left In: -3.559 ± 0.000 $\chi^2/\text{NDF}: 6492667345109962540652165758713856.0/10$
 All: 0.065 ± 0.000 $\chi^2/\text{NDF}: 49586913800618$

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



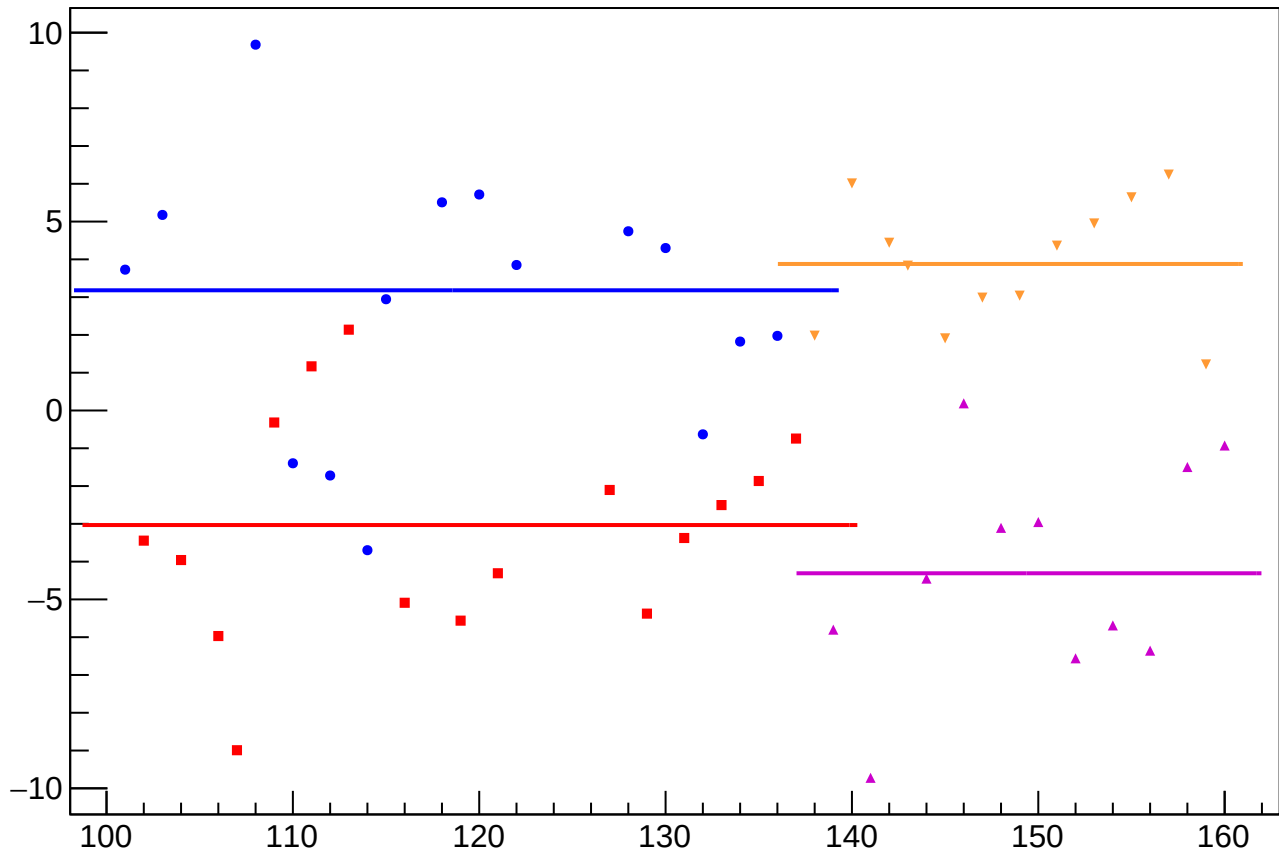
Right In: 1.691 ± 0.000 $\chi^2/\text{NDF}: 612163393317609859674079412355072.0/14$
 Left Out: 1.847 ± 0.000 $\chi^2/\text{NDF}: 84162850183102511254837045231616.0/11$
 Right Out: -1.462 ± 0.000 $\chi^2/\text{NDF}: 444384511662519040022371754835968.0/15$
 Left In: -1.879 ± 0.000 $\chi^2/\text{NDF}: 90968052268112309617342982127616.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10893960400462$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



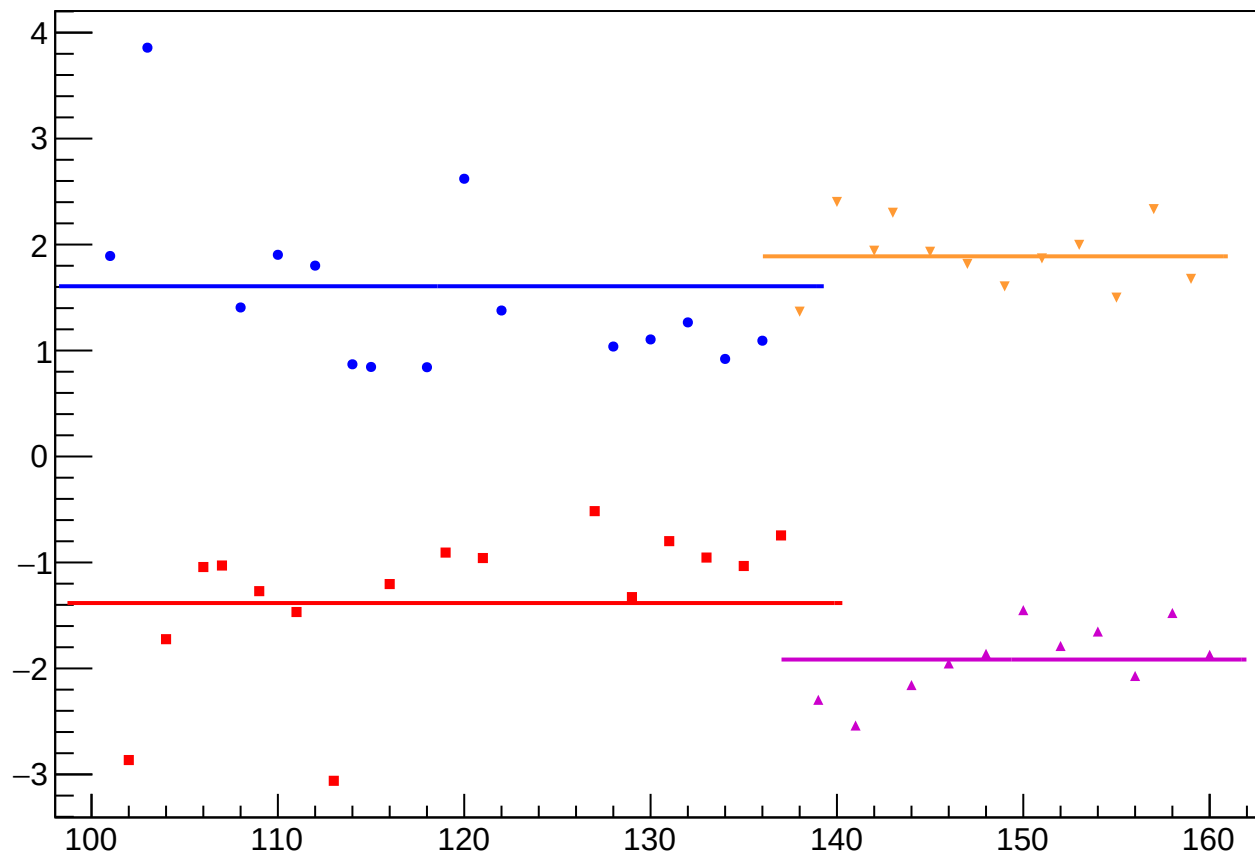
Right In: 1046.490 +/- 0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726 +/- 0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445 +/- 0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553 +/- 0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348 +/- 0.000 χ^2/NDF : 424479012287

dit_4eY_coil1_mean vs Slug, Sign Corrected



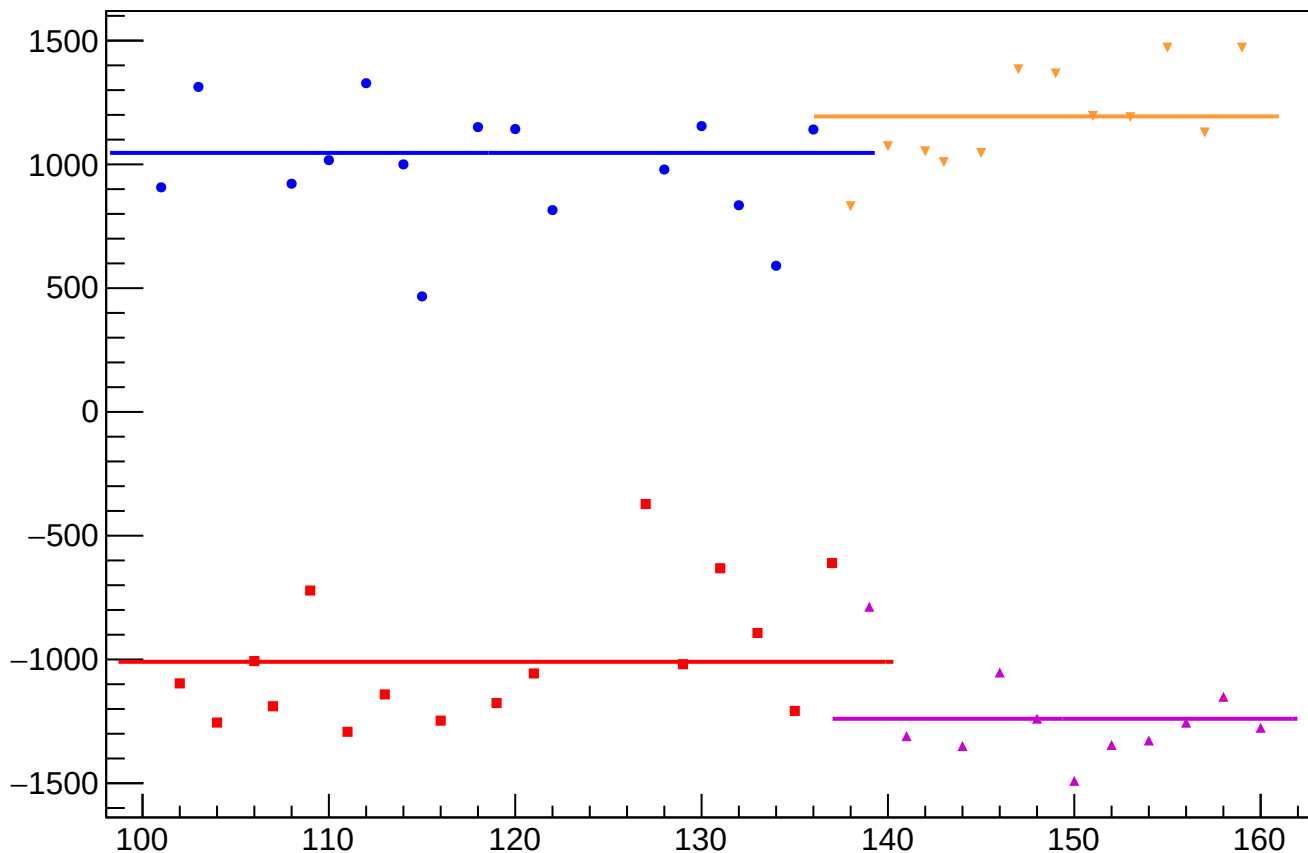
Left: -0.237 ± 0.000 $\chi^2/\text{NDF}: 40330727078704471$
 Right In: 3.181 ± 0.000 $\chi^2/\text{NDF}: 5833303227868252617704566394191872.0/14$
 Left Out: 3.878 ± 0.000 $\chi^2/\text{NDF}: 2463584640289158504459219897417728.0/11$
 Right Out: -3.032 ± 0.000 $\chi^2/\text{NDF}: 4937209831371793945496546833334272.0/15$
 Left In: -4.308 ± 0.000 $\chi^2/\text{NDF}: 7073495667694280351803168107003904.0/10$
 In: -1.218 ± 0.000 $\chi^2/\text{NDF}: 342914810766388262$
 Out: 0.963 ± 0.000 $\chi^2/\text{NDF}: 258114849490247466$
 All: -0.125 ± 0.000 $\chi^2/\text{NDF}: 6385427084403$

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



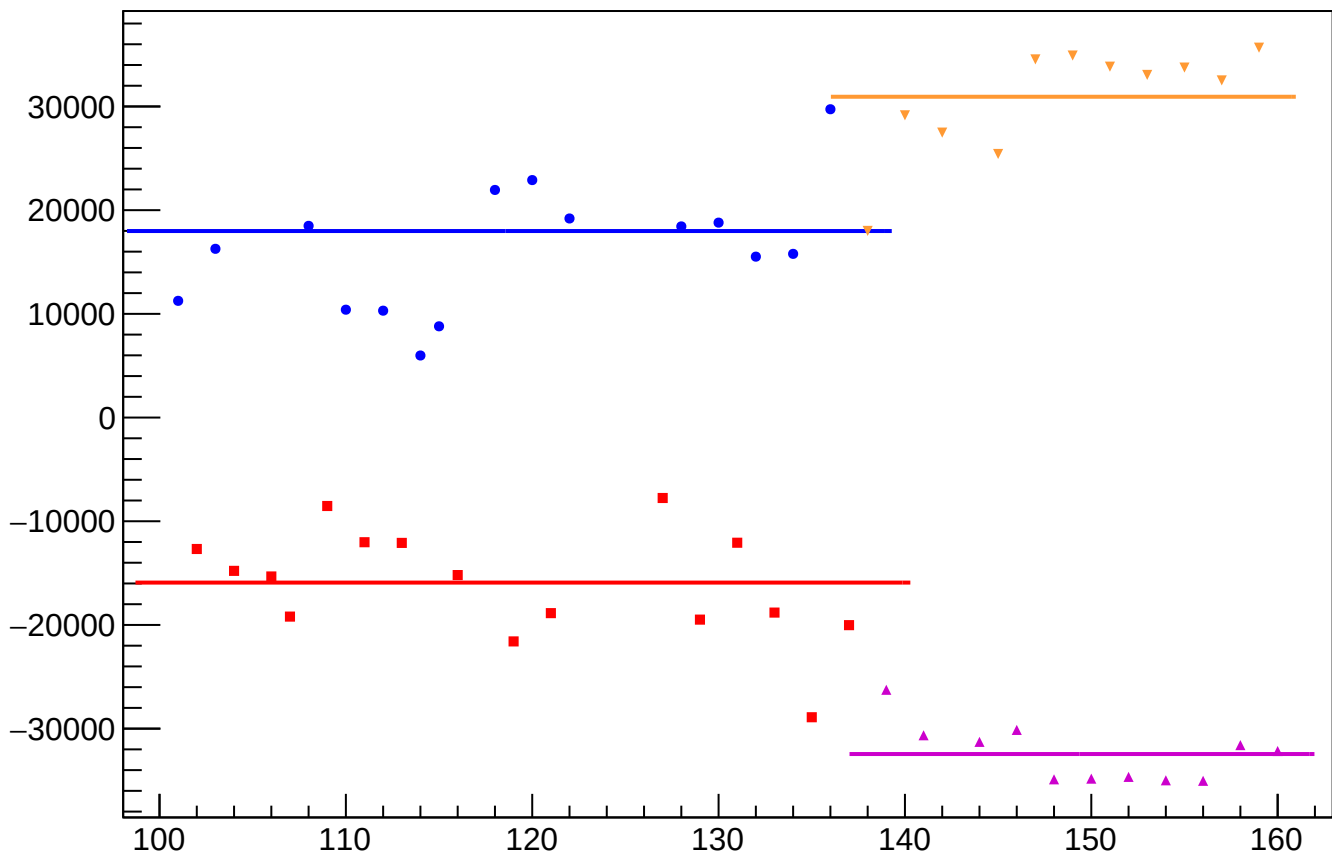
Right In: 1.607 ± 0.000 $\chi^2/\text{NDF}: 460949628640148184181205735833600.0/14$
 Left Out: 1.889 ± 0.000 $\chi^2/\text{NDF}: 94097326064066188177587241484288.0/11$
 Right Out: -1.383 ± 0.000 $\chi^2/\text{NDF}: 358348897016286200957650337792000.0/15$
 Left In: -1.916 ± 0.000 $\chi^2/\text{NDF}: 95276515809016209875699691945984.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10610919143090$

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



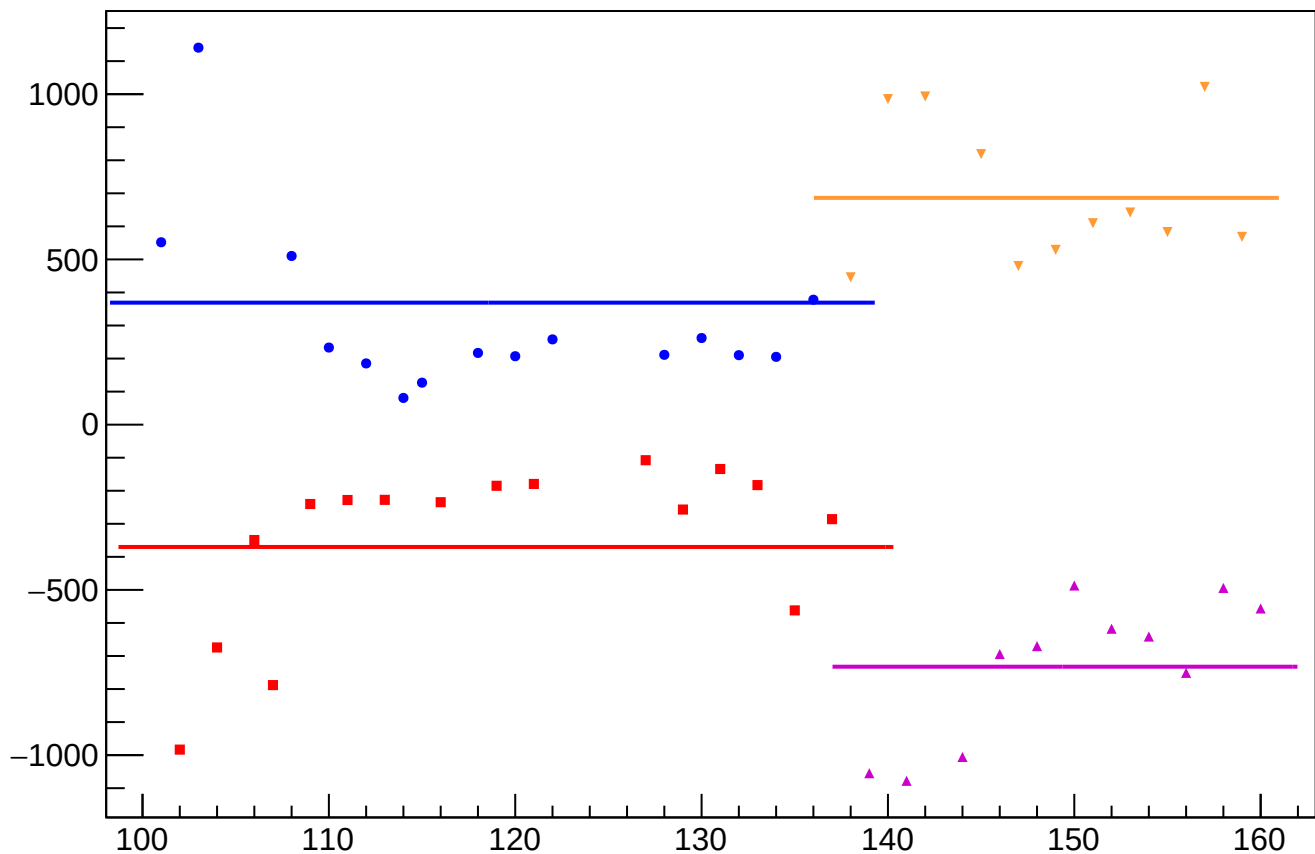
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_usl_coil1_mean vs Slug, Sign Corrected



Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 30938.190+/-0.000 χ^2/NDF : 22231201695257869773275369100022395174912.0/10
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32448.675+/-0.000 χ^2/NDF : 6566176061380629796456552080625585094656.0/10
 All: -880.808+/-0.000 χ^2/NDF : 22337383681

dit_usl_coil1_err_mean vs Slug, Sign Corrected



Right In: 369.169+/-0.000

χ^2/NDF : 48053036789565485994195833341370957824.0/14

Left Out: 686.240+/-0.000

χ^2/NDF : 34417236167842983766159212562513657856.0/10

Right Out: -370.091+/-0.000

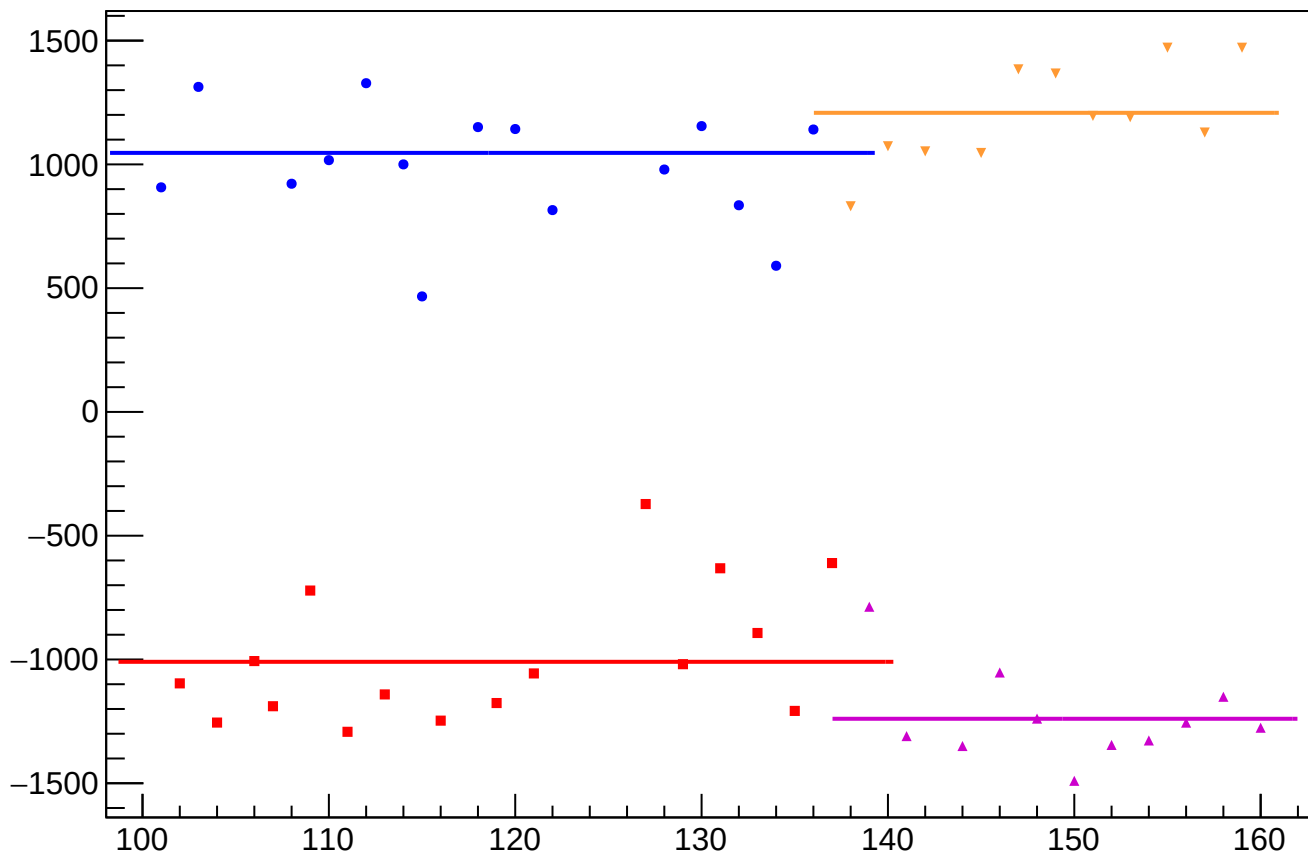
χ^2/NDF : 48214462907052107543037037125316902912.0/15

Left In: -732.414+/-0.000

χ^2/NDF : 39942105840529115736569596950263889920.0/10

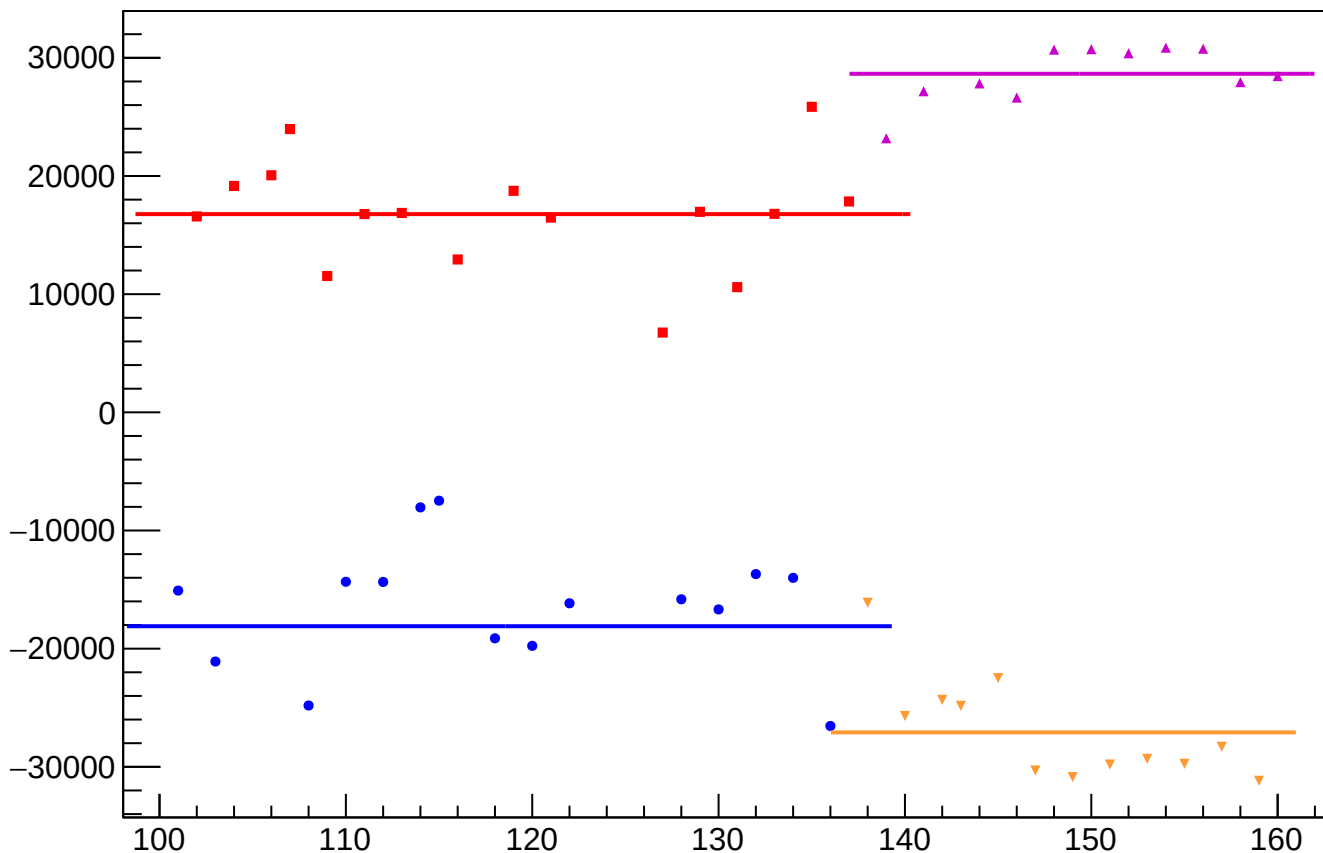
All: -33.290+/-0.000 χ^2/NDF : 124154771081

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1208.342+/-0.000 χ^2/NDF : 31920270949065456215955115636701528064.0/10
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -37.580+/-0.000 χ^2/NDF : 417296815174

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -27085.326+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28650.410+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 16913671790830002451724713056210492850176.0/11

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4838827535981080826725947474344765554688.0/10

Left: 934.162+/-0.000 χ^2/NDF : 1449134260498682

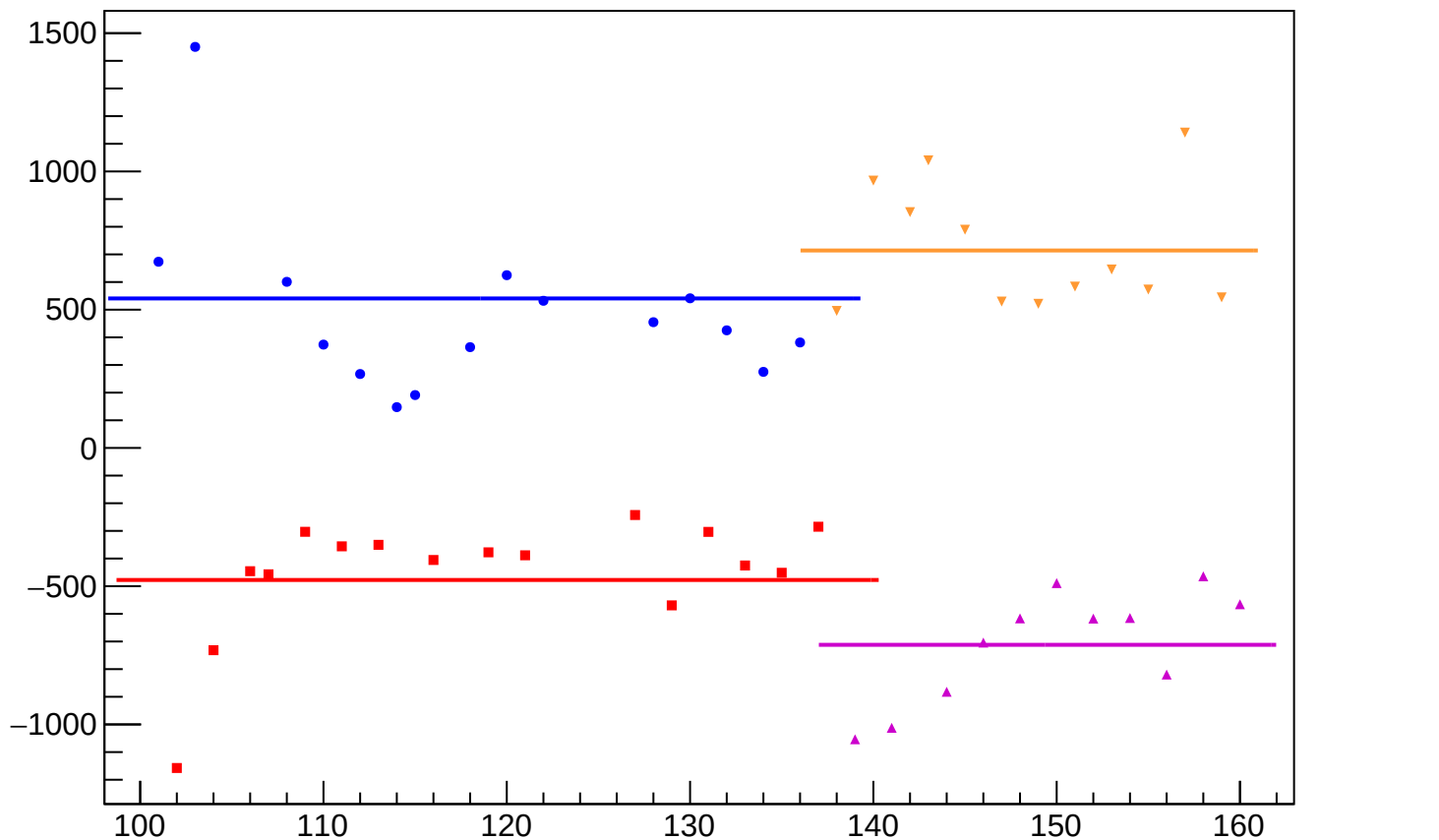
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8581.907+/-0.000 χ^2/NDF : 77289596182504

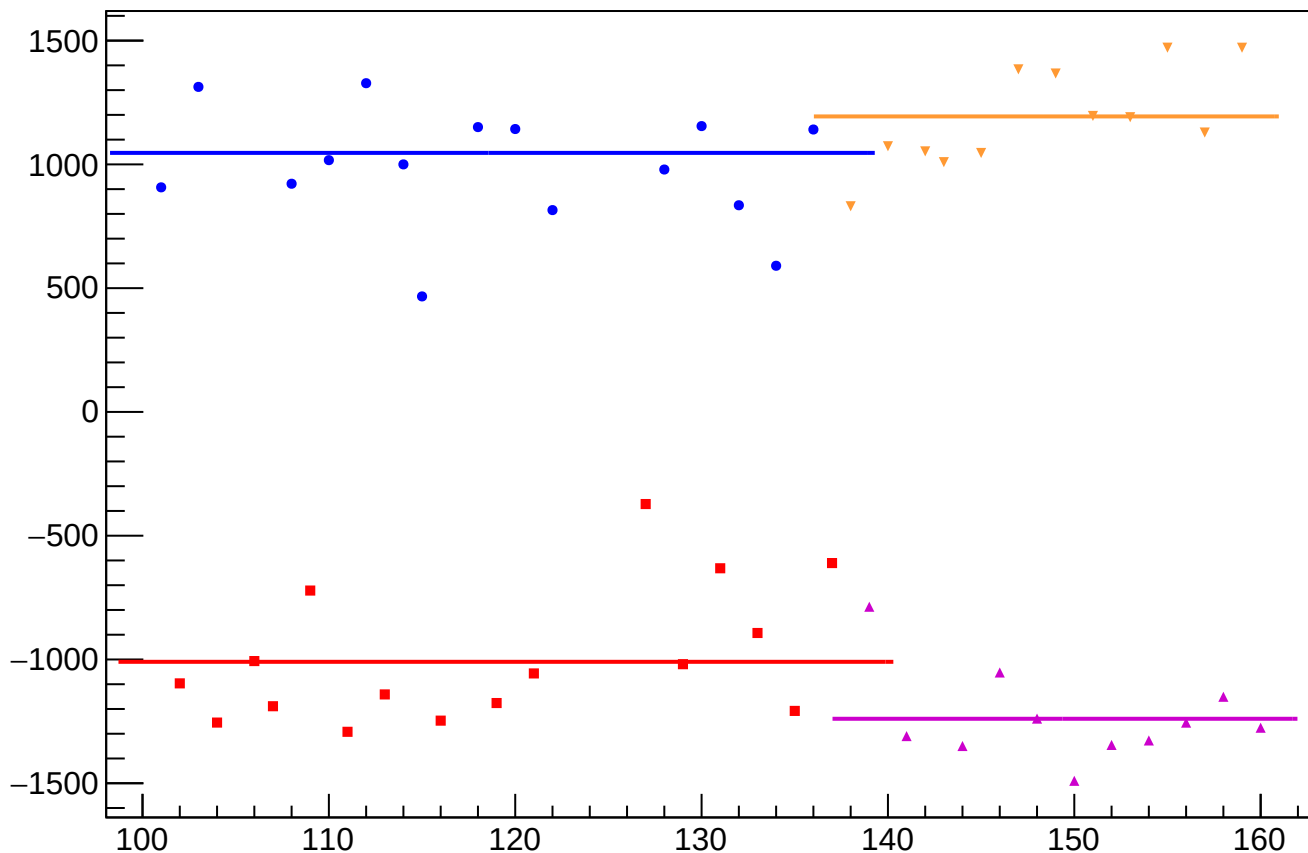
All: 367.048+/-0.000 χ^2/NDF : 18794796419

dit_usr_coil1_err_mean vs Slug, Sign Corrected



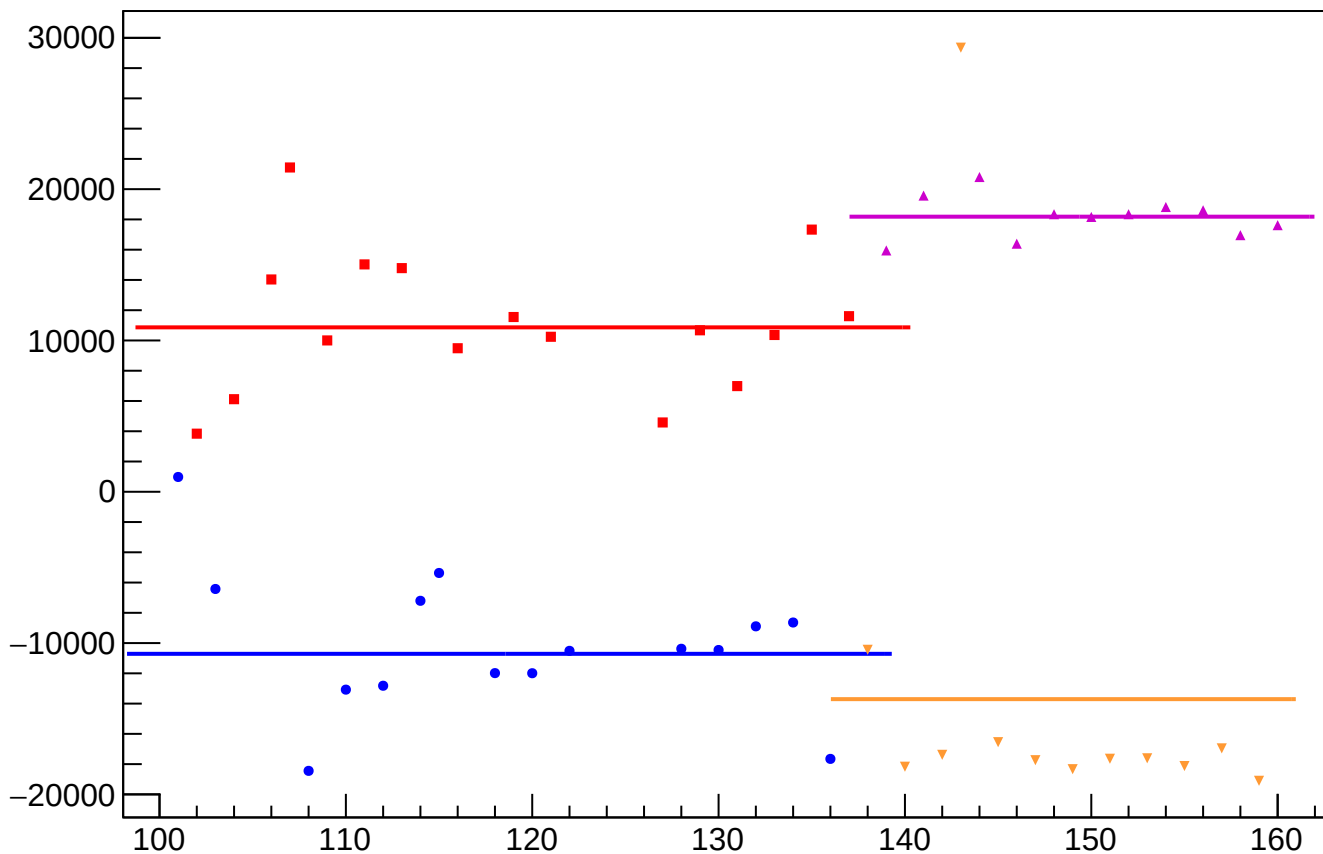
Left: -2.853 +/- 0.000 χ^2/NDF : 10119212919667896
 Right In: 540.663 +/- 0.000 χ^2/NDF : 64546819695986774721678785082975846400.0/14
 Right: 24.595 +/- 0.000 χ^2/NDF : 4443717563002768
 Left Out: 714.147 +/- 0.000 χ^2/NDF : 43160975478631460248575745928156151808.0/11
 In: -195.221 +/- 0.000 χ^2/NDF : 6969405075379816
 Right Out: -477.546 +/- 0.000 χ^2/NDF : 38798306504296954461537116809760604160.0/15
 Out: 211.390 +/- 0.000 χ^2/NDF : 6295663774355160
 Left In: -712.092 +/- 0.000 χ^2/NDF : 34092045920503284936427855101460217856.0/10
 All: 8.600 +/- 0.000 χ^2/NDF : 14568707976042

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292 +/- 0.000

χ^2/NDF : 16945226152053511840482618402250170564608.0/14

Left Out: -13705.488 +/- 0.000

χ^2/NDF : 138226511026527050662319693841079709204480.0/11

Right Out: 10866.264 +/- 0.000

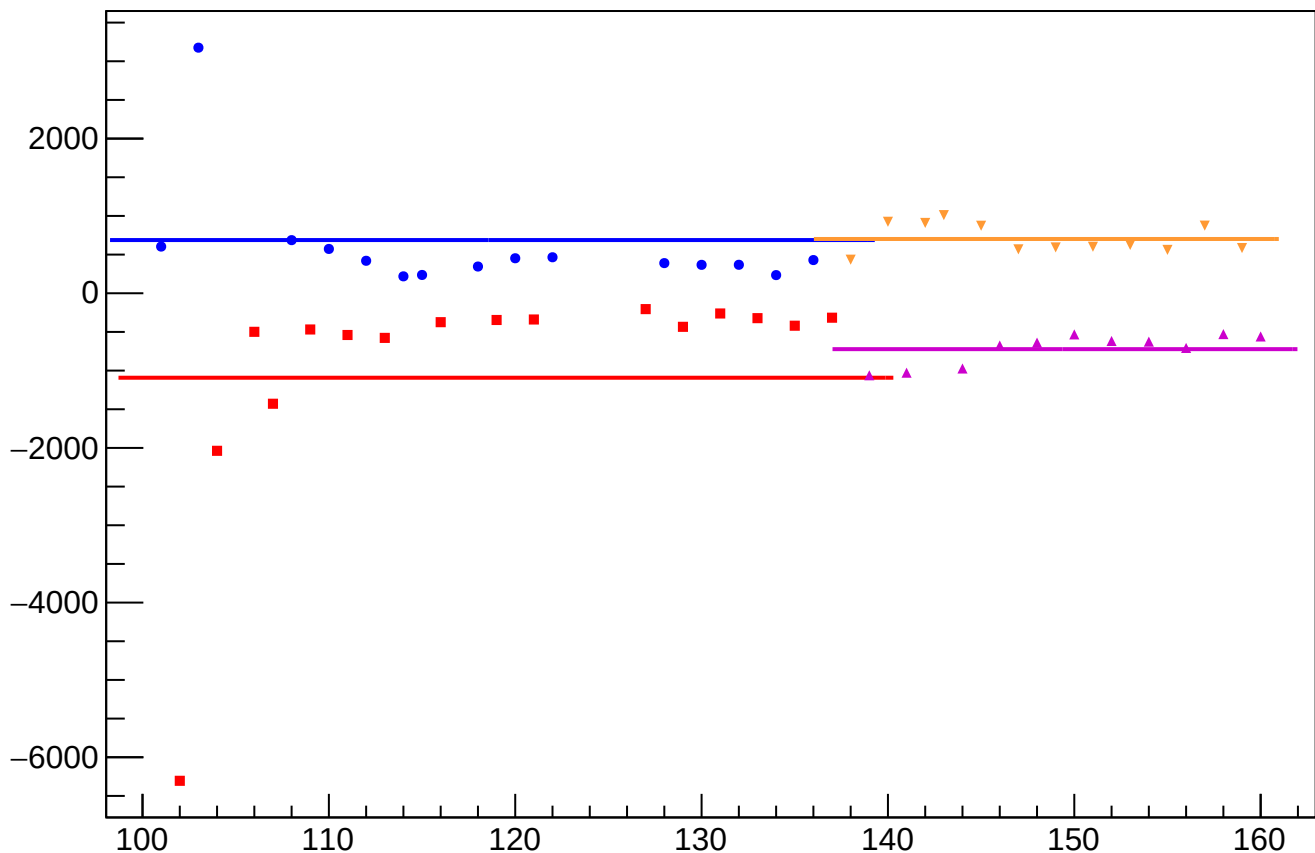
χ^2/NDF : 14234762838858382484525901644131626647552.0/15

Left In: 18181.504 +/- 0.000

χ^2/NDF : 1643617183572647868818914289162838343680.0/10

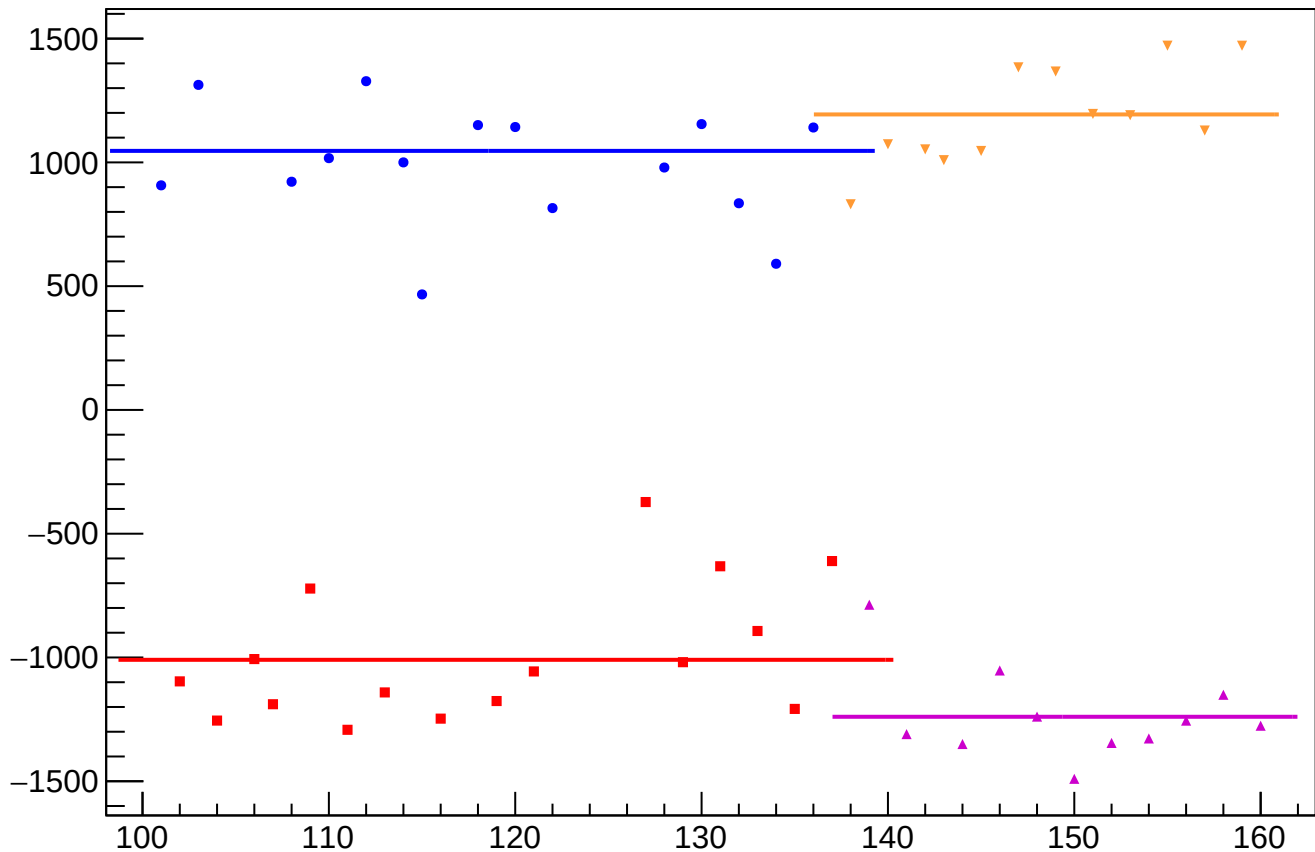
All: 1448.863 +/- 0.000 χ^2/NDF : 79476286142

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



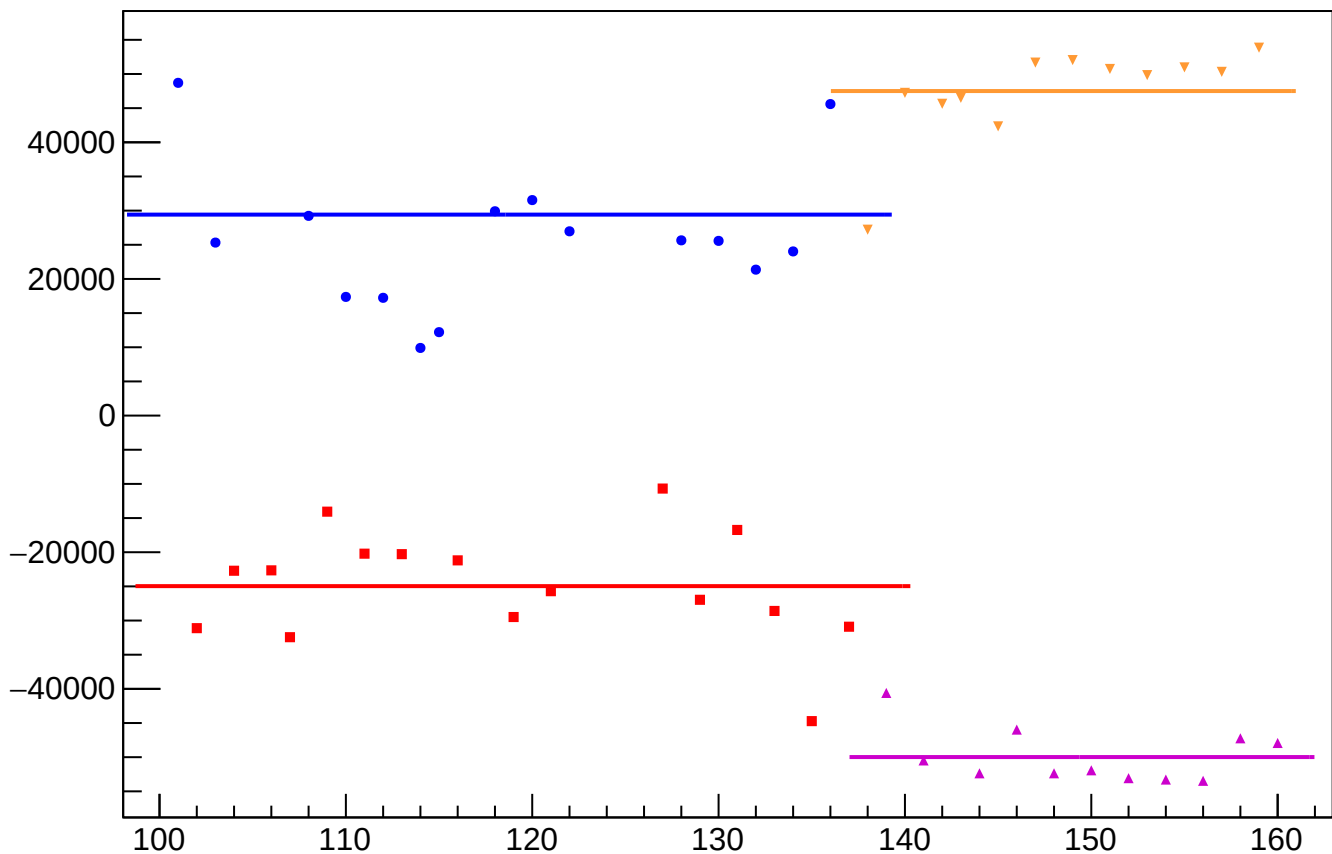
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 701.825 ± 0.000 $\chi^2/\text{NDF}: 29011752452264624264282448573098885120.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.785 ± 0.000 $\chi^2/\text{NDF}: 436080381727$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47501.916+/-0.000

χ^2/NDF : 43591715334933801645565199836761766756352.0/11

Right Out: -24963.010+/-0.000

χ^2/NDF : 45631572920122171972835961685494315614208.0/15

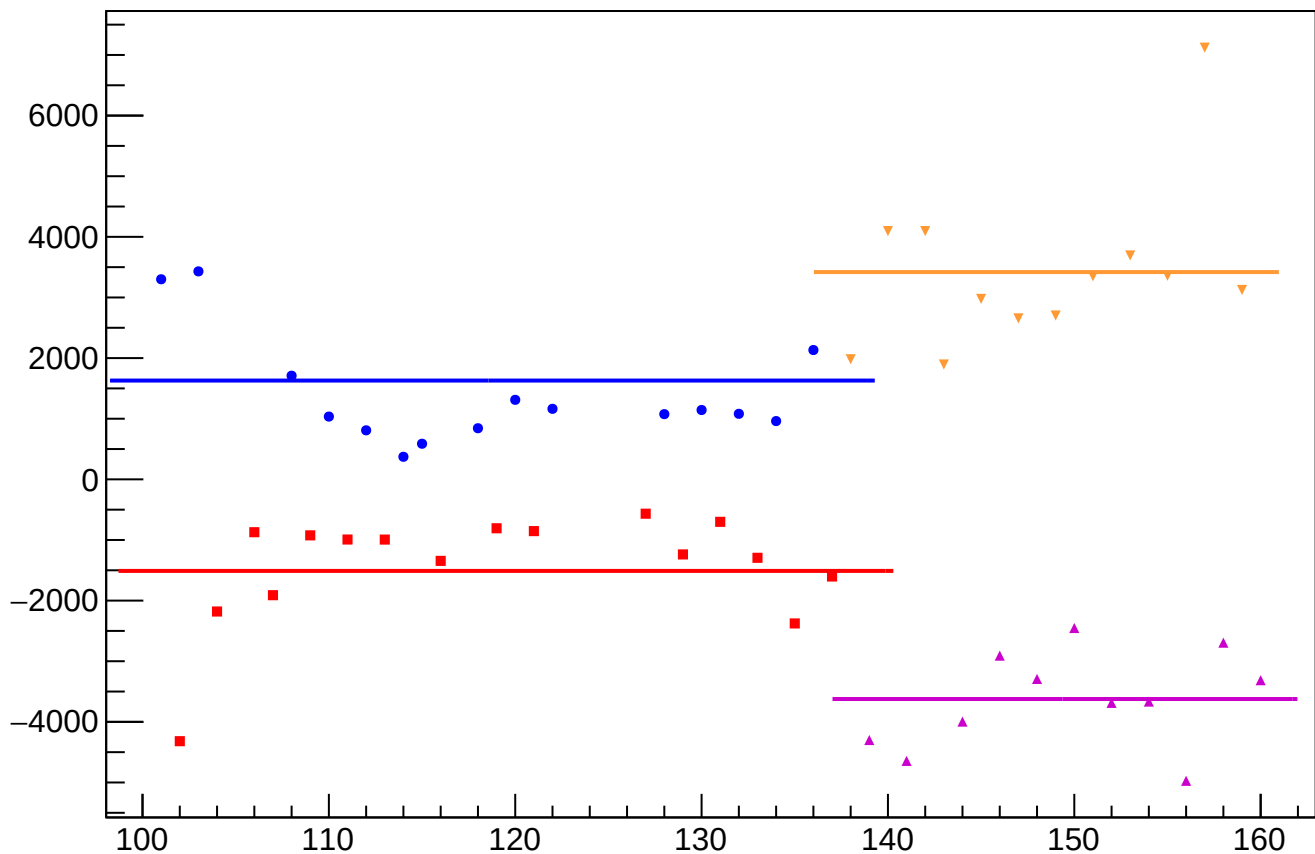
Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

All: -103.402+/-0.000

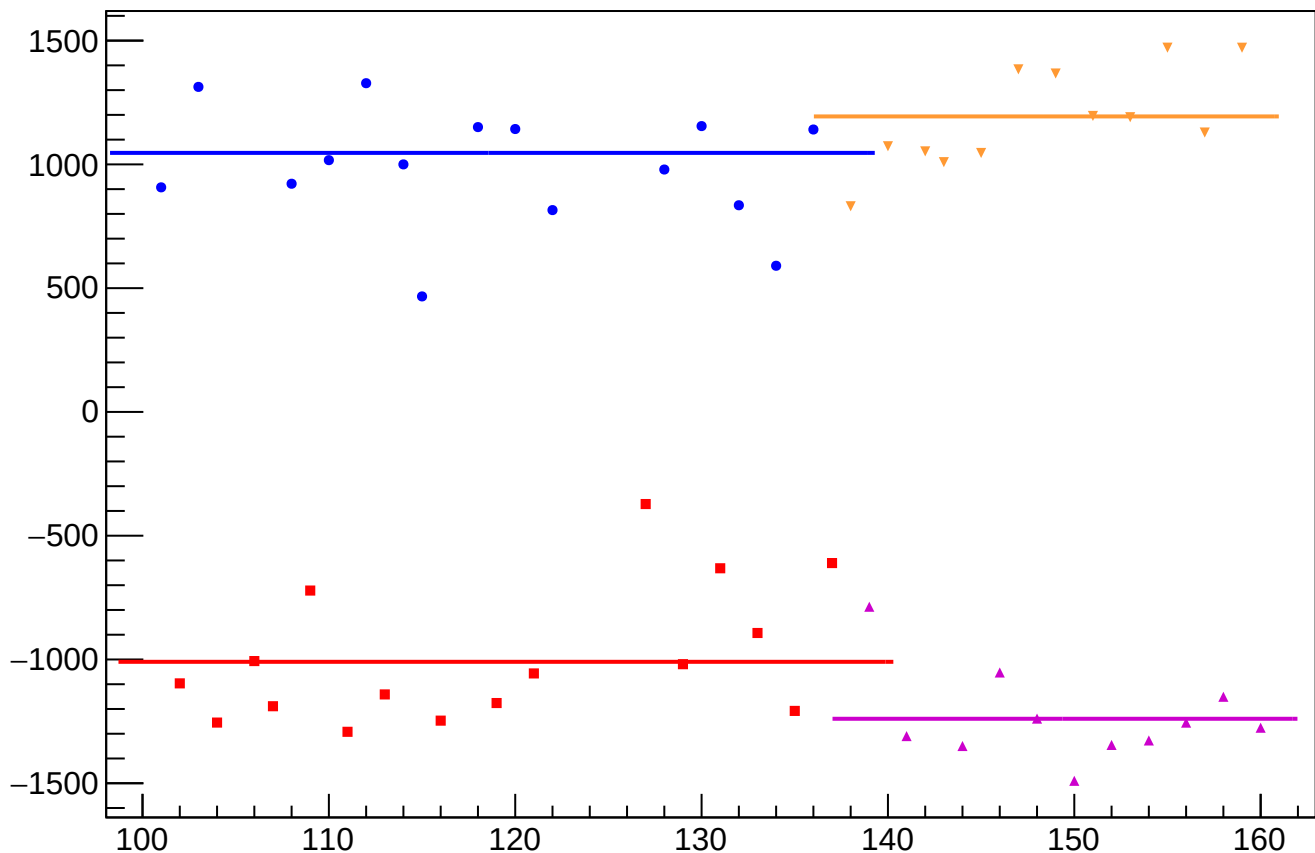
χ^2/NDF : 55223983268

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



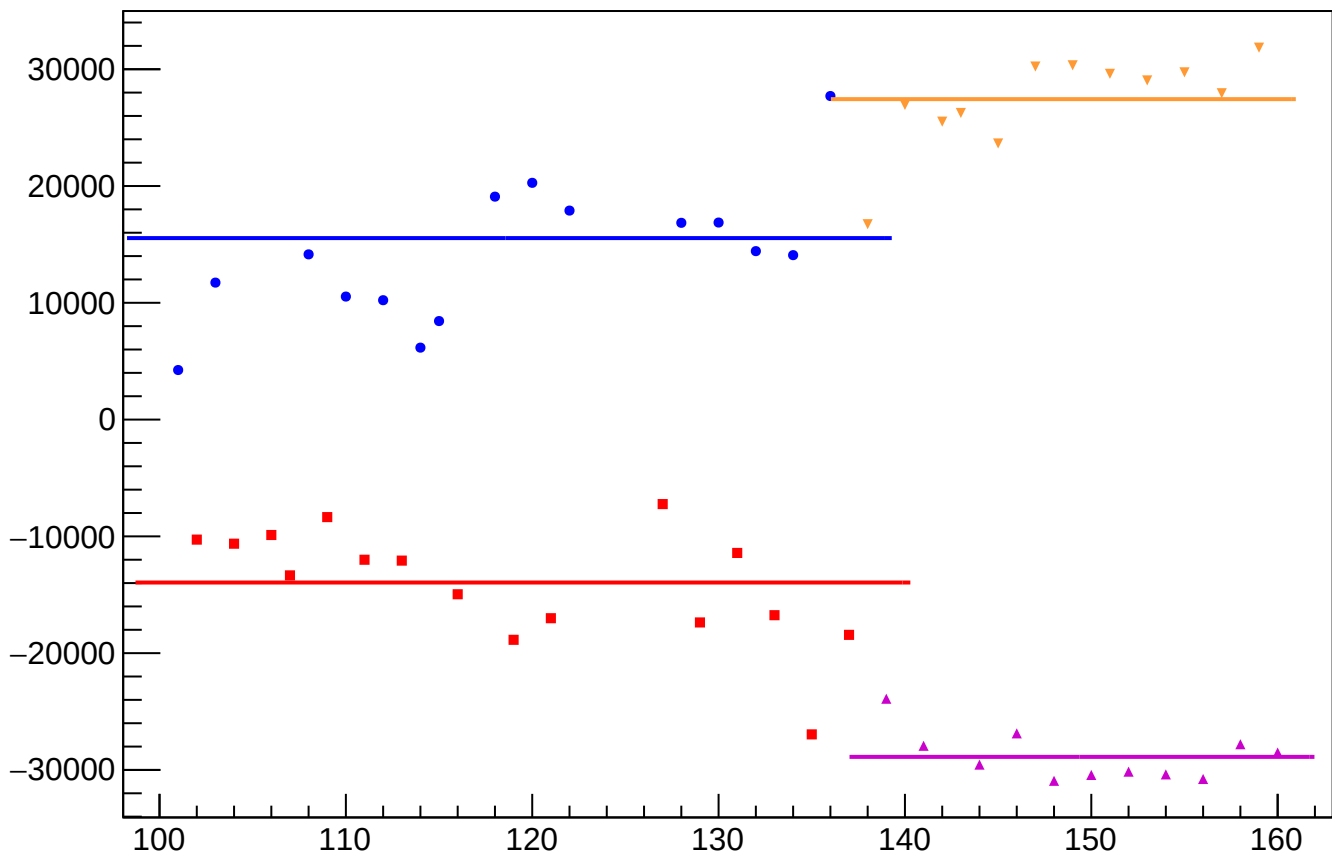
Right In: 1629.542 $\pm$ 0.000 χ^2 /NDF: 551738555355028902194697896437152219136.0/14
 Left Out: 3418.927 $\pm$ 0.000 χ^2 /NDF: 1575515144069936231955966928879934767104.0/11
 Right Out: -1510.293 $\pm$ 0.000 χ^2 /NDF: 688231904046816211321774524619745656832.0/15
 Left In: -3623.095 $\pm$ 0.000 χ^2 /NDF: 537714450371269509719141411292840984576.0/10
 All: -54.735 $\pm$ 0.000 χ^2 /NDF: 294015037802

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 27439.616+/-0.000

χ^2/NDF : 14247025908871725813351088668818926469120.0/11

Right Out: -13951.799+/-0.000

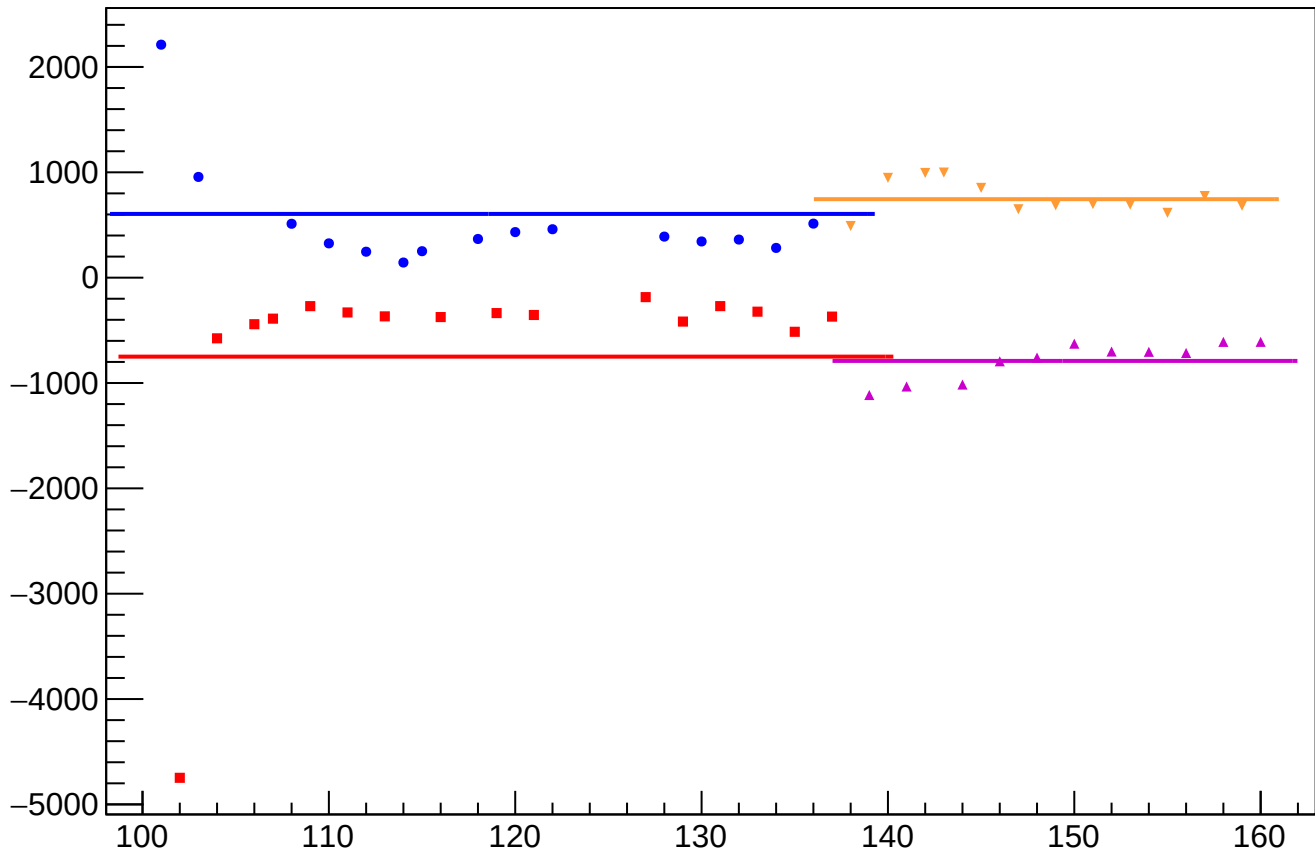
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

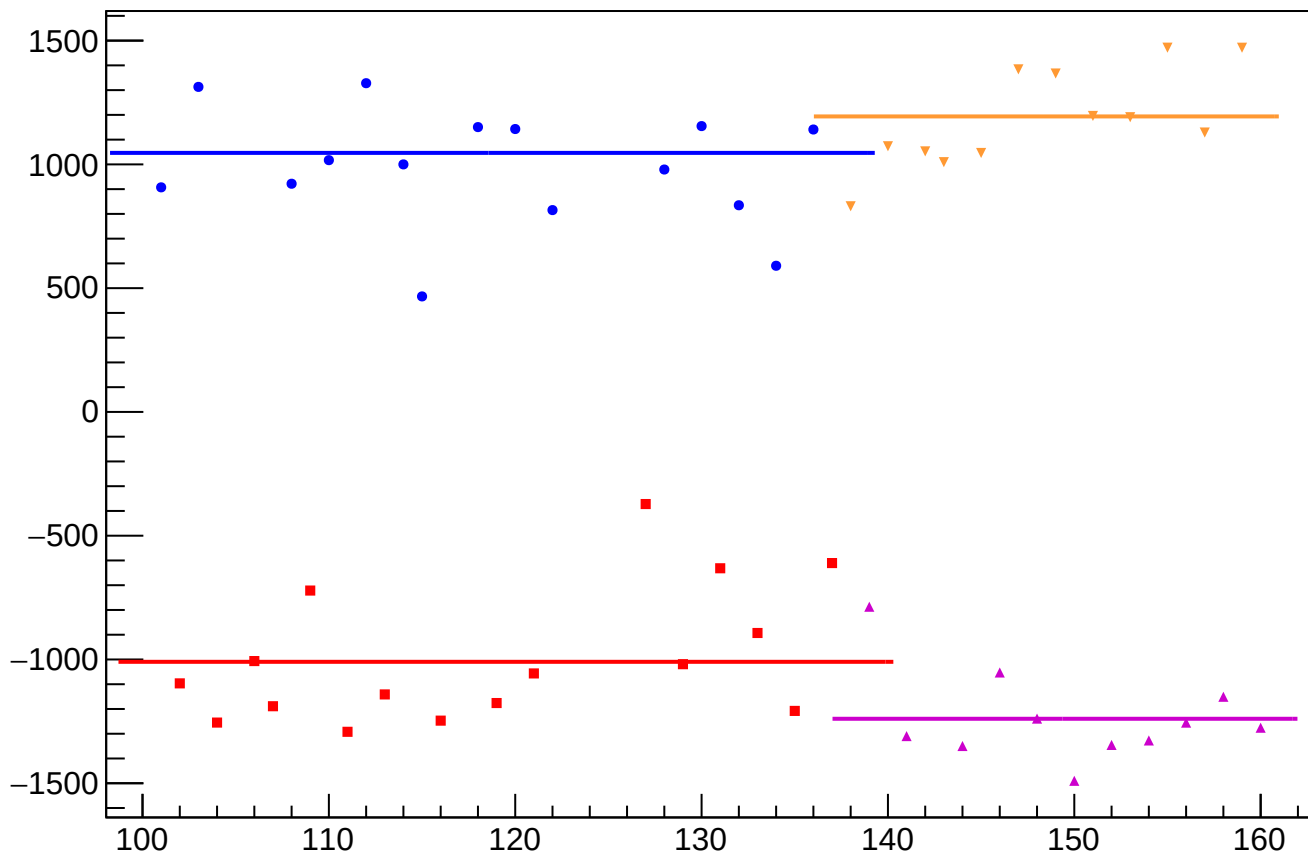
All: -262.152+/-0.000 χ^2/NDF : 18076481618

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



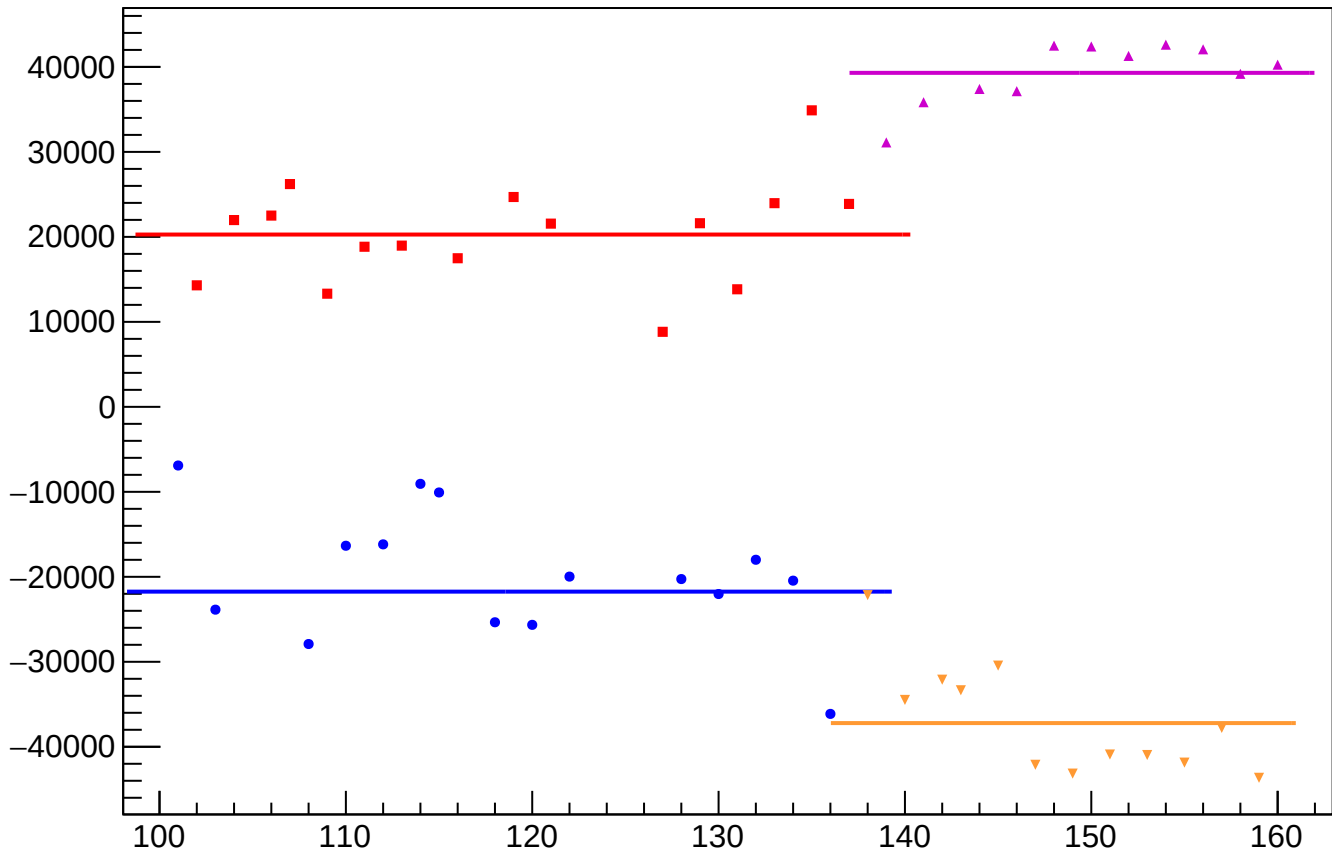
Right In: 605.034 +/- 0.000 χ^2/NDF : 189401522791607614448600157723362852864.0/14
 Left Out: 744.985 +/- 0.000 χ^2/NDF : 19571453984278961719936247870544412672.0/11
 Right Out: -749.582 +/- 0.000 χ^2/NDF : 1021358768377495935693748779804344188928.0/15
 Left In: -790.283 +/- 0.000 χ^2/NDF : 27375995163011560101349166949437800448.0/10
 All: -49.654 +/- 0.000 χ^2/NDF : 294663207457

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -37210.761+/-0.000

Right Out: 20275.415+/-0.000

Left In: 39301.203+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 36234813568101266501920845904945520574464.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10890557195828480655850873156116452212736.0/10

Left: 1253.360+/-0.000 χ^2/NDF : 273699578436603

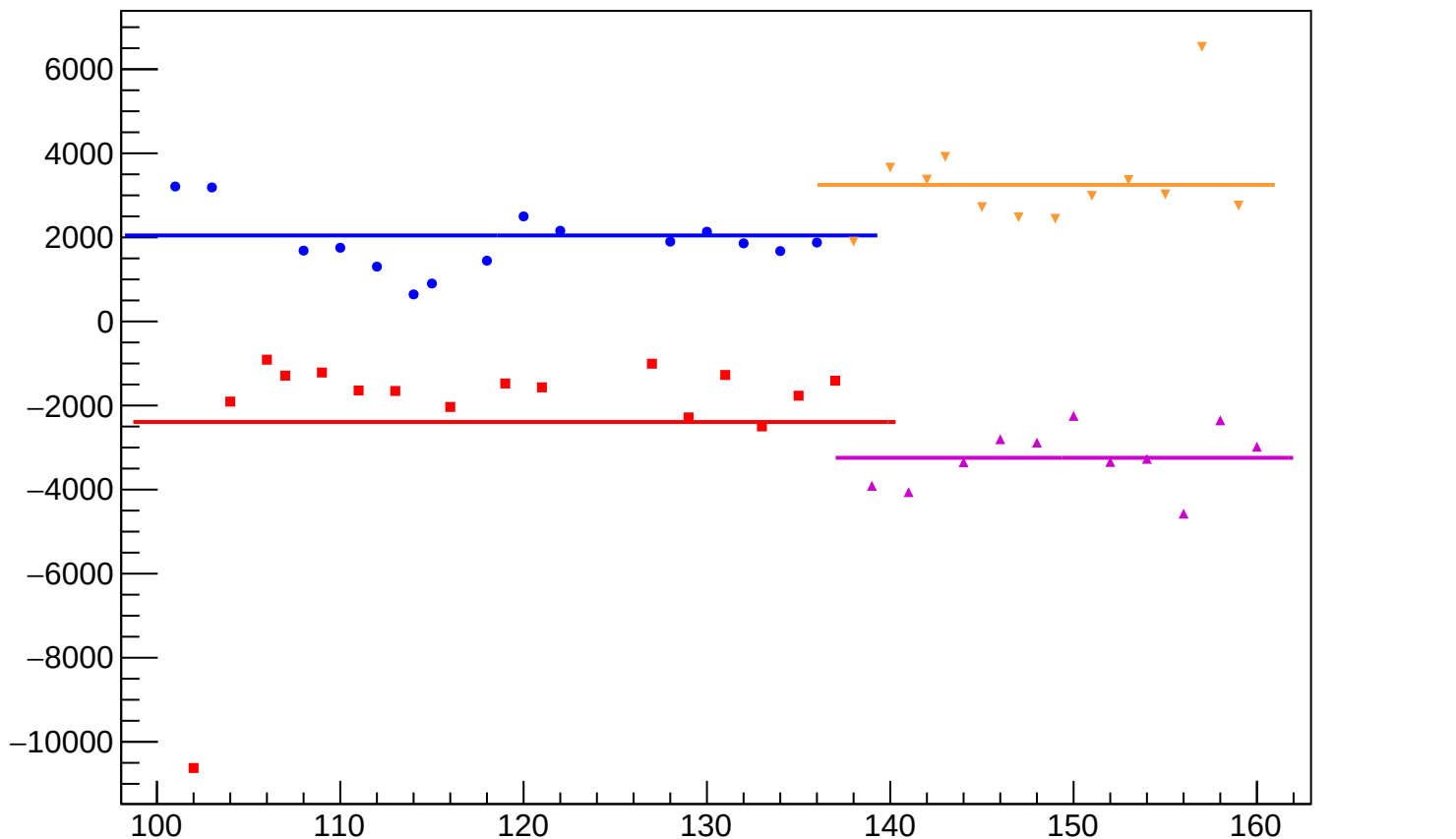
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 14114.985+/-0.000 χ^2/NDF : 147263048816292

Out: -12958.212+/-0.000 χ^2/NDF : 1336456927560

All: 544.051+/-0.000 χ^2/NDF : 338702108163

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



Right In: 2046.354+/-0.000

χ^2/NDF : 266555515927348892036833058355226345472.0/14

Left Out: 3249.314+/-0.000

χ^2/NDF : 1190726211956001849078073092083852247040.0/11

Right Out: -2391.939+/-0.000

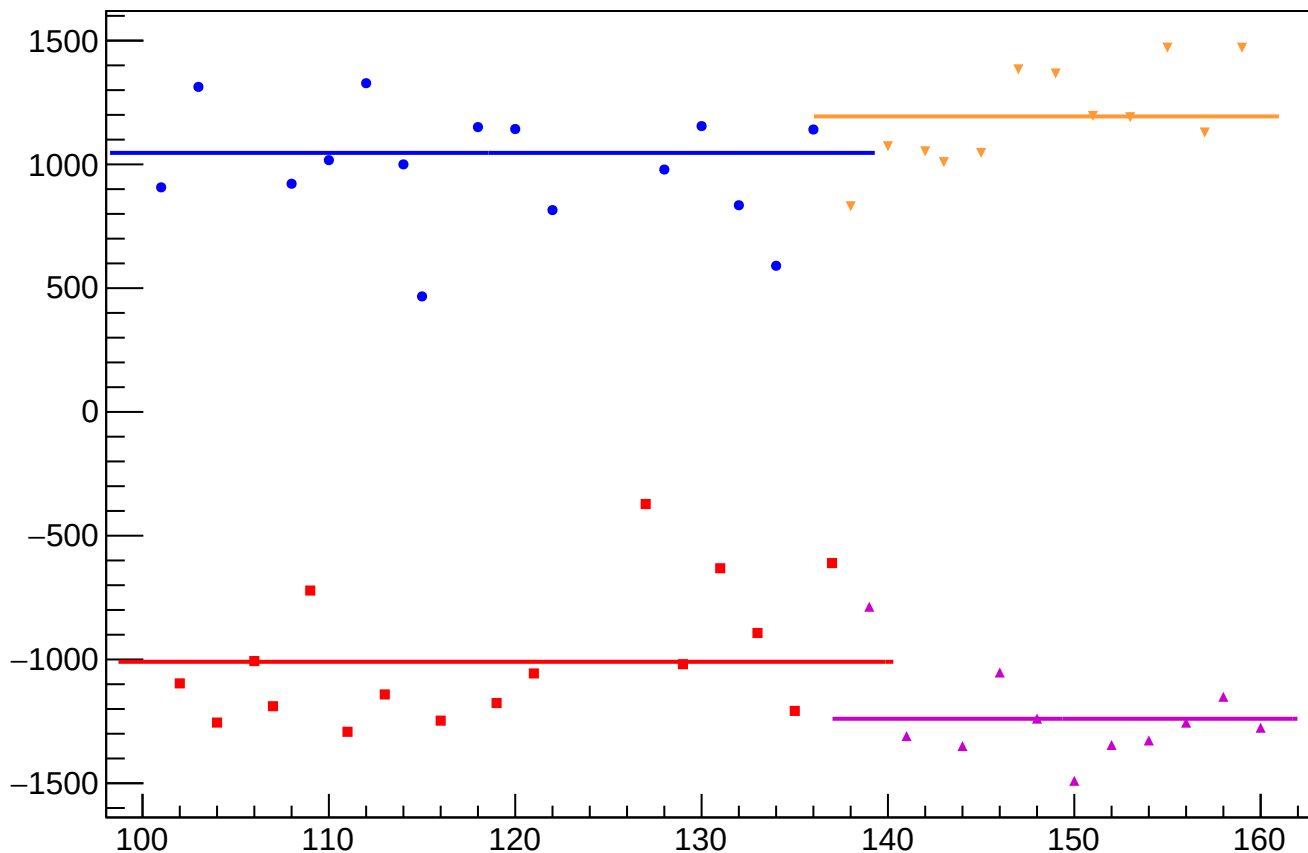
χ^2/NDF : 4415294964789778815259357544579499819008.0/15

Left In: -3243.479+/-0.000

χ^2/NDF : 422752345809564414875941115453230809088.0/10

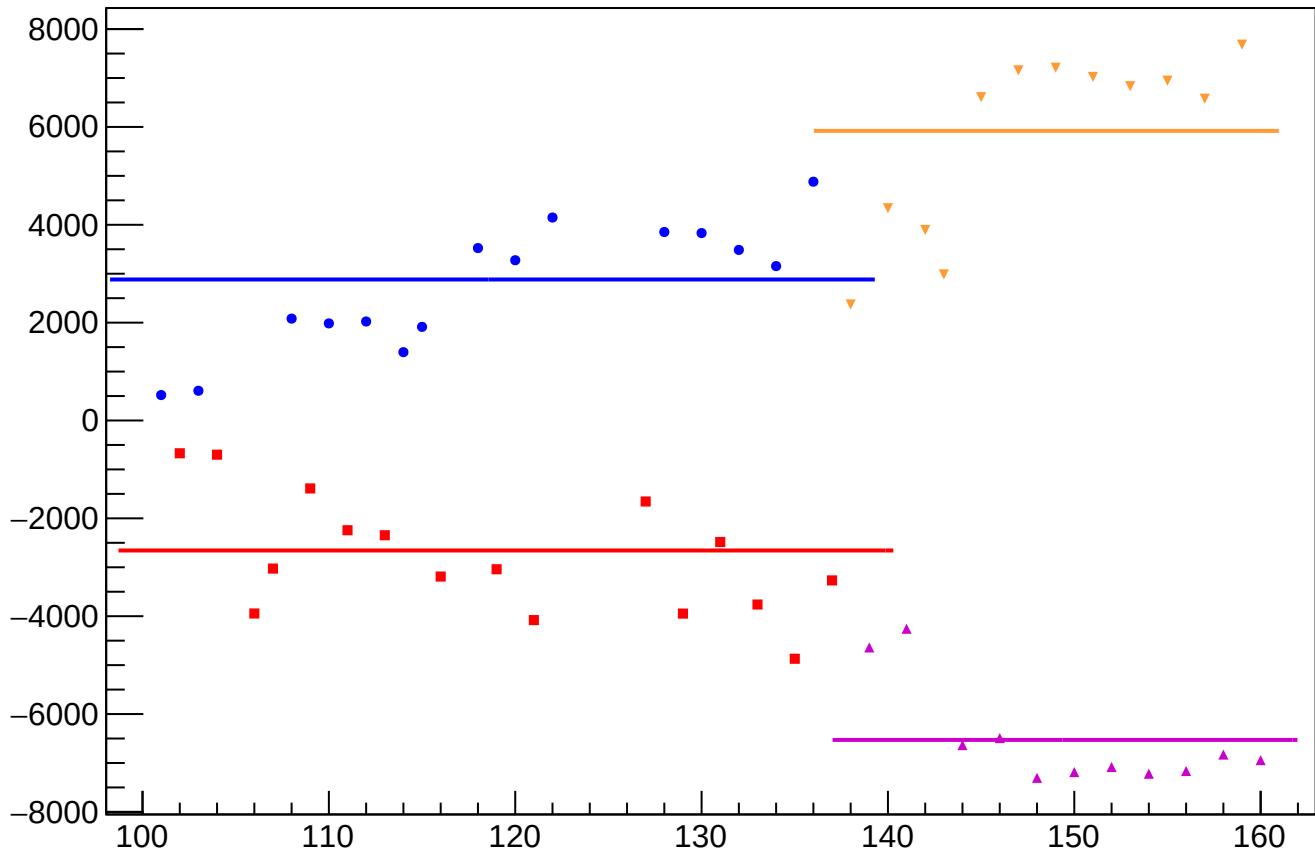
All: -93.355+/-0.000 χ^2/NDF : 321724014891

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



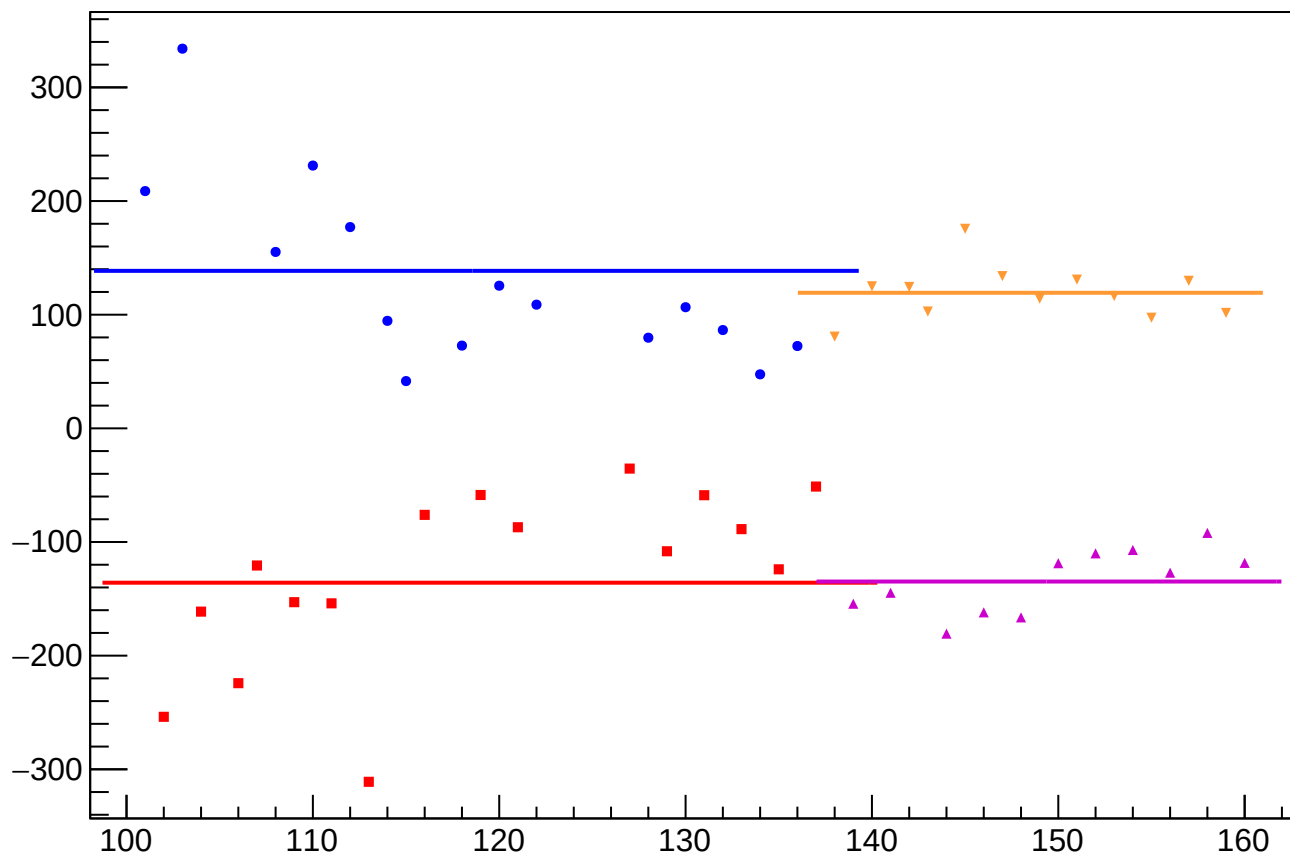
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam1_coil1_mean vs Slug, Sign Corrected



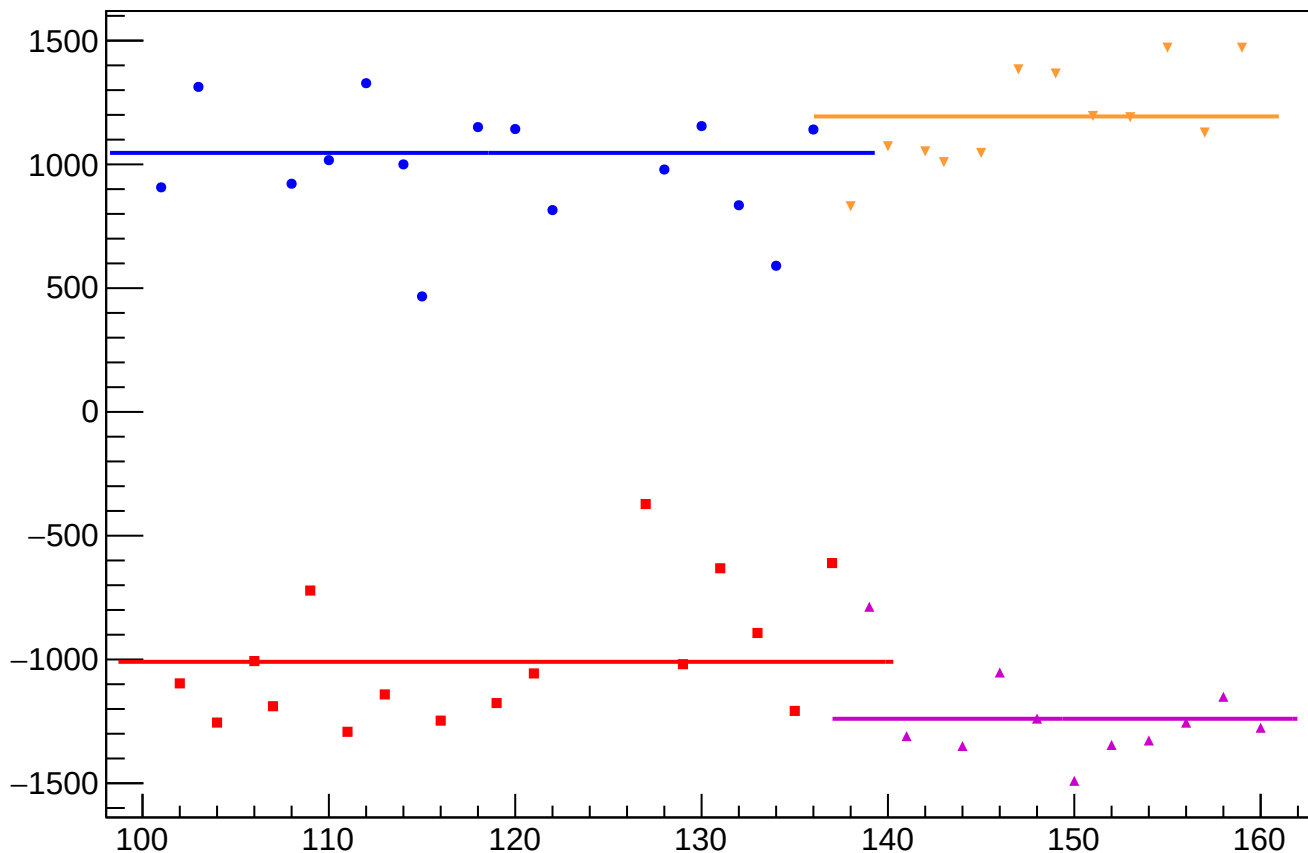
Right In: 2881.935+/-0.000 χ^2/NDF : 1320319391496525533692082365878834823168.0/14
 Left Out: 5919.511+/-0.000 χ^2/NDF : 2779072700024845827027981240176985767936.0/11
 Right Out: -2656.918+/-0.000 χ^2/NDF : 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681+/-0.000 χ^2/NDF : 940619832290547661204641528694924378112.0/10
 All: -166.093+/-0.000 χ^2/NDF : 87540894065

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



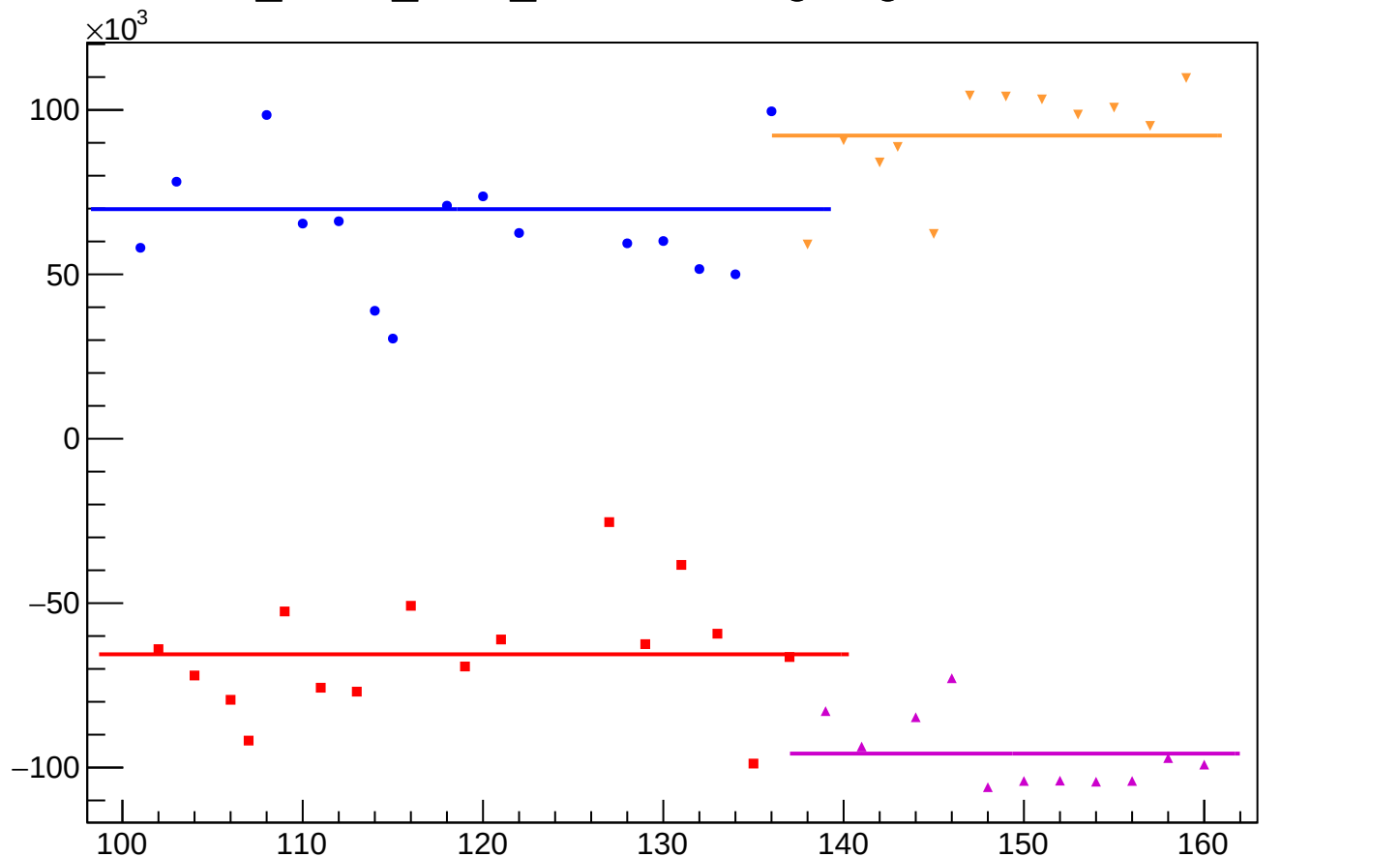
Right In: 138.577 $\pm$ 0.000 χ^2 /NDF: 4242369889979811373883774021335515136.0/14
 Left Out: 119.282 $\pm$ 0.000 χ^2 /NDF: 487845779395217879153815293985292288.0/11
 Right Out: -135.809 $\pm$ 0.000 χ^2 /NDF: 3956401741862524263243160868173643776.0/15
 Left In: -134.785 $\pm$ 0.000 χ^2 /NDF: 689808602632315539029860685392642048.0/10
 All: -5.125 $\pm$ 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

χ^2/NDF : 187803282116493131197684060541288926150656.0/14

Left Out: 92210.698 ± 0.000

χ^2/NDF : 226577476657807585202083767685360289579008.0/11

Right Out: -65555.147 ± 0.000

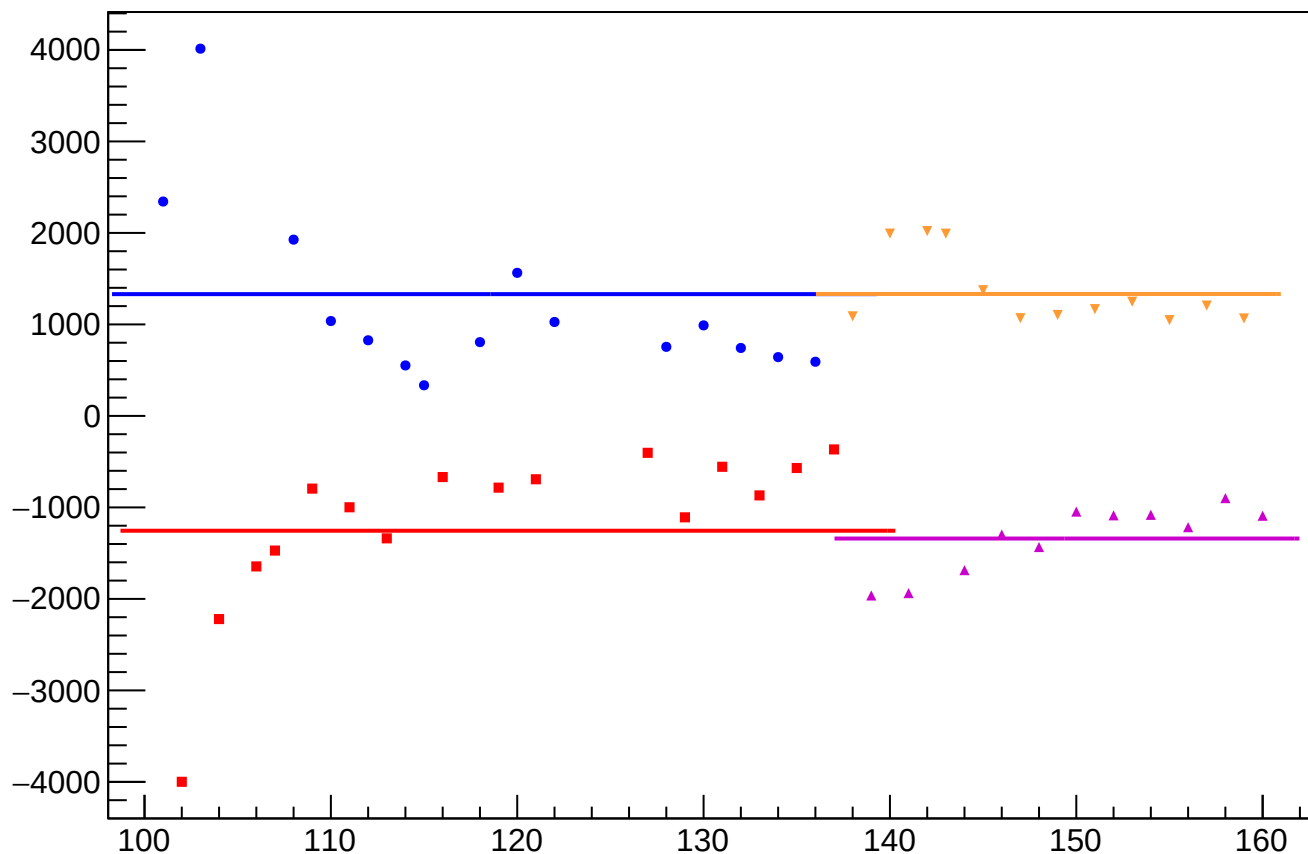
χ^2/NDF : 212001467811386750910625783195999741673472.0/15

Left In: -95749.411 ± 0.000

χ^2/NDF : 102376761881530271427340284738693826084864.0/10

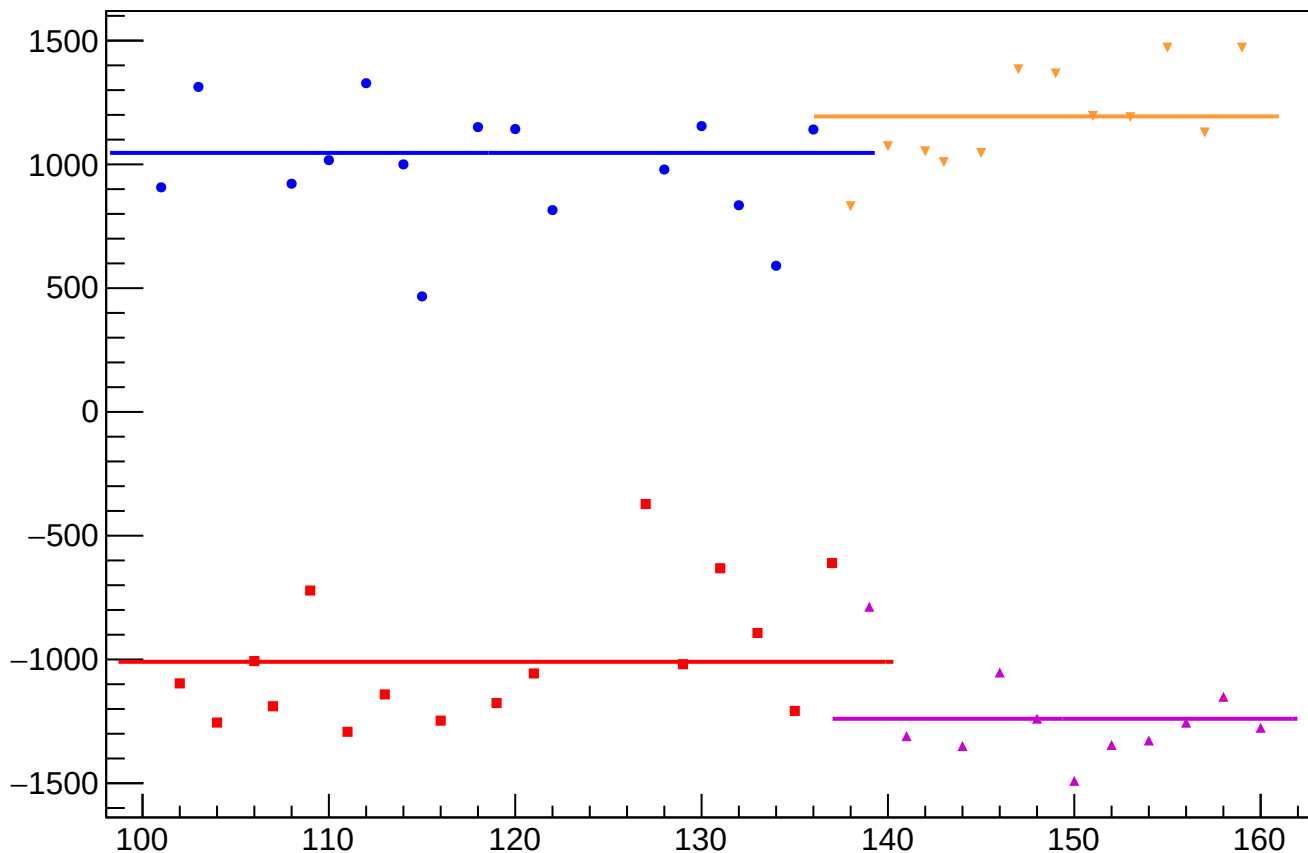
All: -824.008 ± 0.000 χ^2/NDF : 23000264296

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



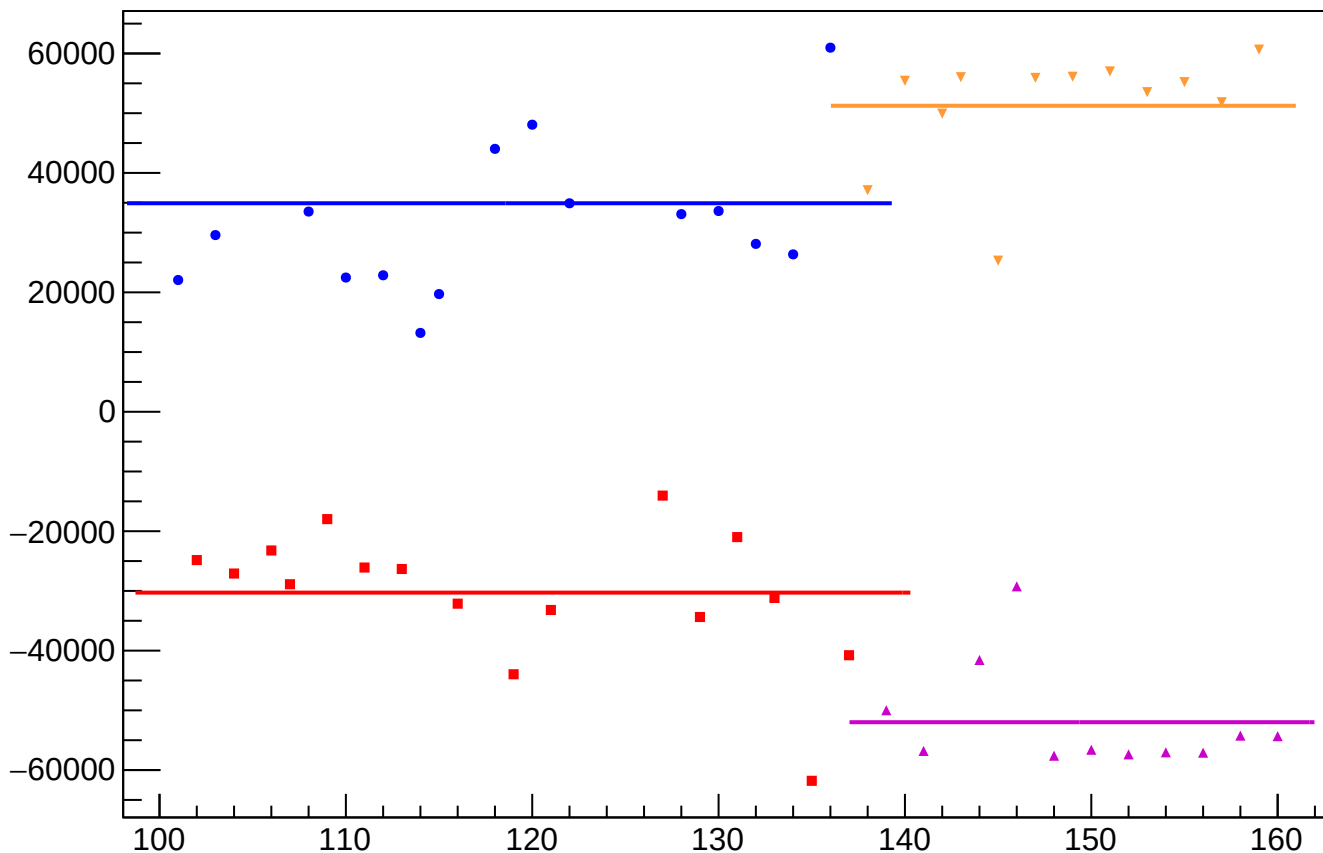
Right In: 1330.956+/-0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Left Out: 1332.669+/-0.000 χ^2/NDF : 117488793251165999850417206895273050112.0/11
 Right Out: -1254.871+/-0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Left In: -1340.185+/-0.000 χ^2/NDF : 11420491168201277023830767366477709312.0/10
 All: 2.067+/-0.000 χ^2/NDF : 69961590530550

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



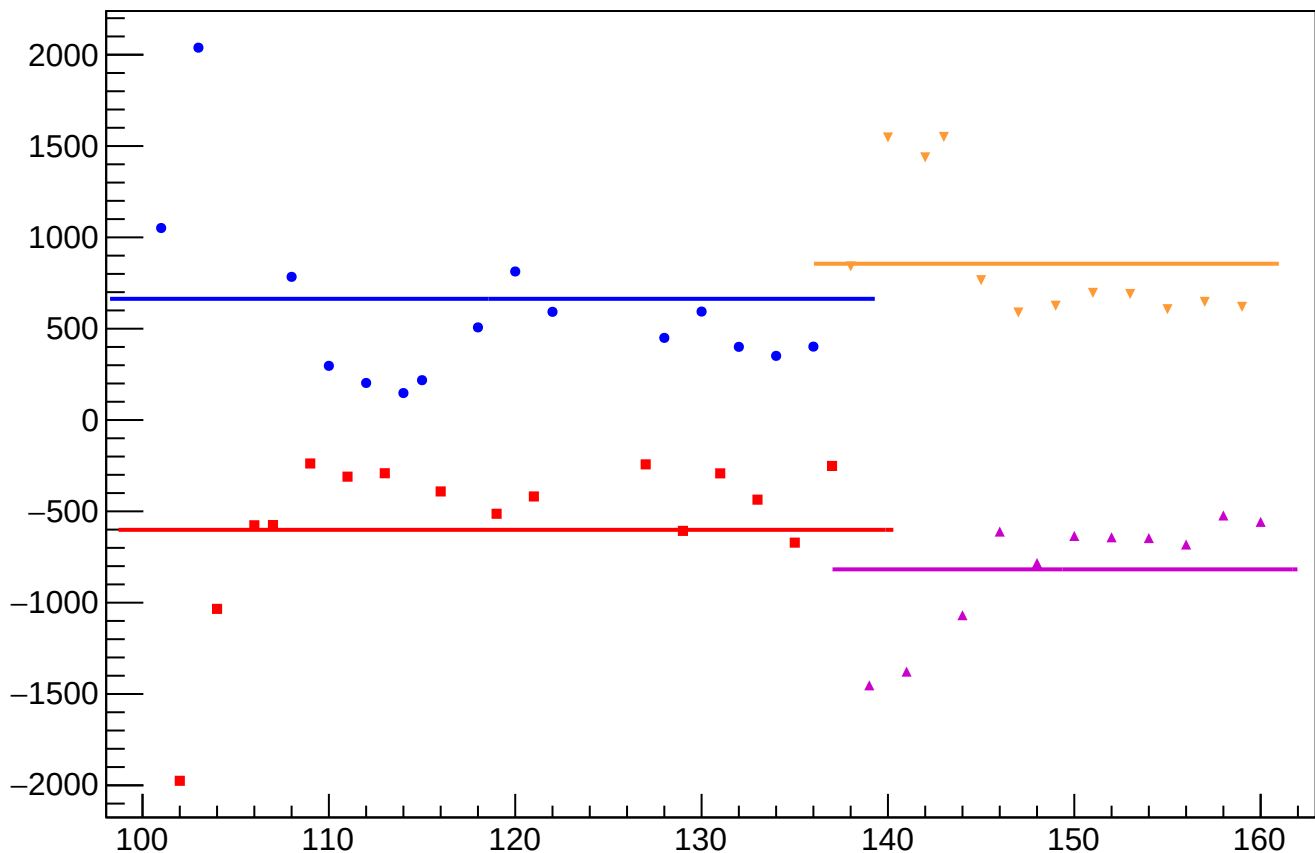
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1193.726 ± 0.000 $\chi^2/\text{NDF}: 34388618994267285012310712301196935168.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.348 ± 0.000 $\chi^2/\text{NDF}: 424479012287$

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34919.716+/-0.000 χ^2/NDF : 106387385440718622155122541848729997017088.0/14
 Left Out: 51246.568+/-0.000 χ^2/NDF : 86168540614102445062046954668602534395904.0/11
 Right Out: -30282.373+/-0.000 χ^2/NDF : 88346165266593126627598951693506073067520.0/15
 Left In: -51985.374+/-0.000 χ^2/NDF : 67172587579518863379504132116294676774912.0/10
 All: 402.483+/-0.000 χ^2/NDF : 664804674092

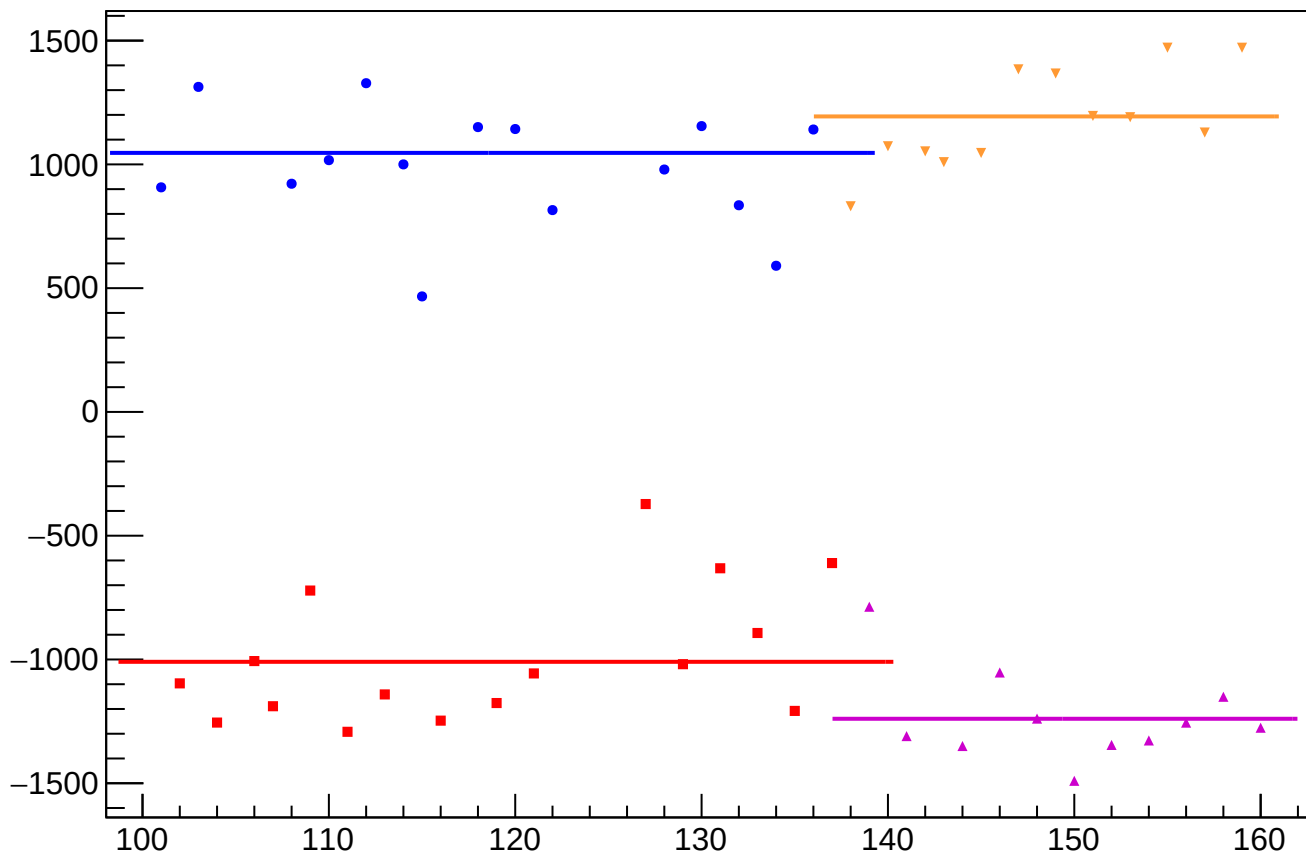
dit_sam3_coil1_err_mean vs Slug, Sign Corrected



Left: 14.433 ± 0.000 $\chi^2/\text{NDF}: 14918307802218483$
 Right: 22.529 ± 0.000 $\chi^2/\text{NDF}: 8336101395091641$
 In: -206.520 ± 0.000 $\chi^2/\text{NDF}: 1084558135298016$
 Out: 241.007 ± 0.000 $\chi^2/\text{NDF}: 1083013180112686$
 All: 17.811 ± 0.000 $\chi^2/\text{NDF}: 2325491183866$

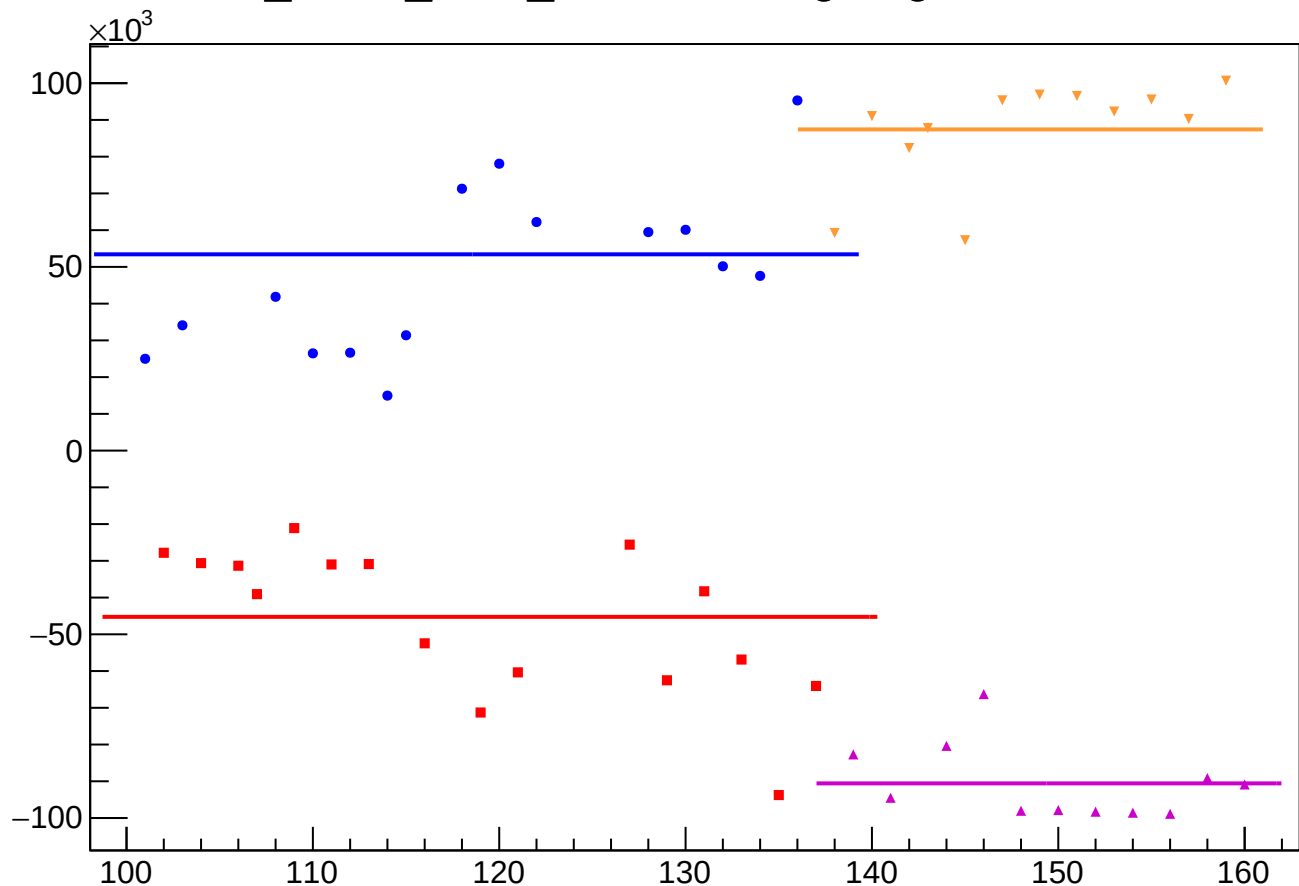
Right In: 663.574 ± 0.000 $\chi^2/\text{NDF}: 157691812872720822886914966597312446464.0/14$
 Left Out: 855.627 ± 0.000 $\chi^2/\text{NDF}: 114895226746628689144721696446463606784.0/11$
 Right Out: -601.216 ± 0.000 $\chi^2/\text{NDF}: 149717884331889332339995334350831878144.0/15$
 Left In: -817.657 ± 0.000 $\chi^2/\text{NDF}: 90429548723715663326805299076811194368.0/10$

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



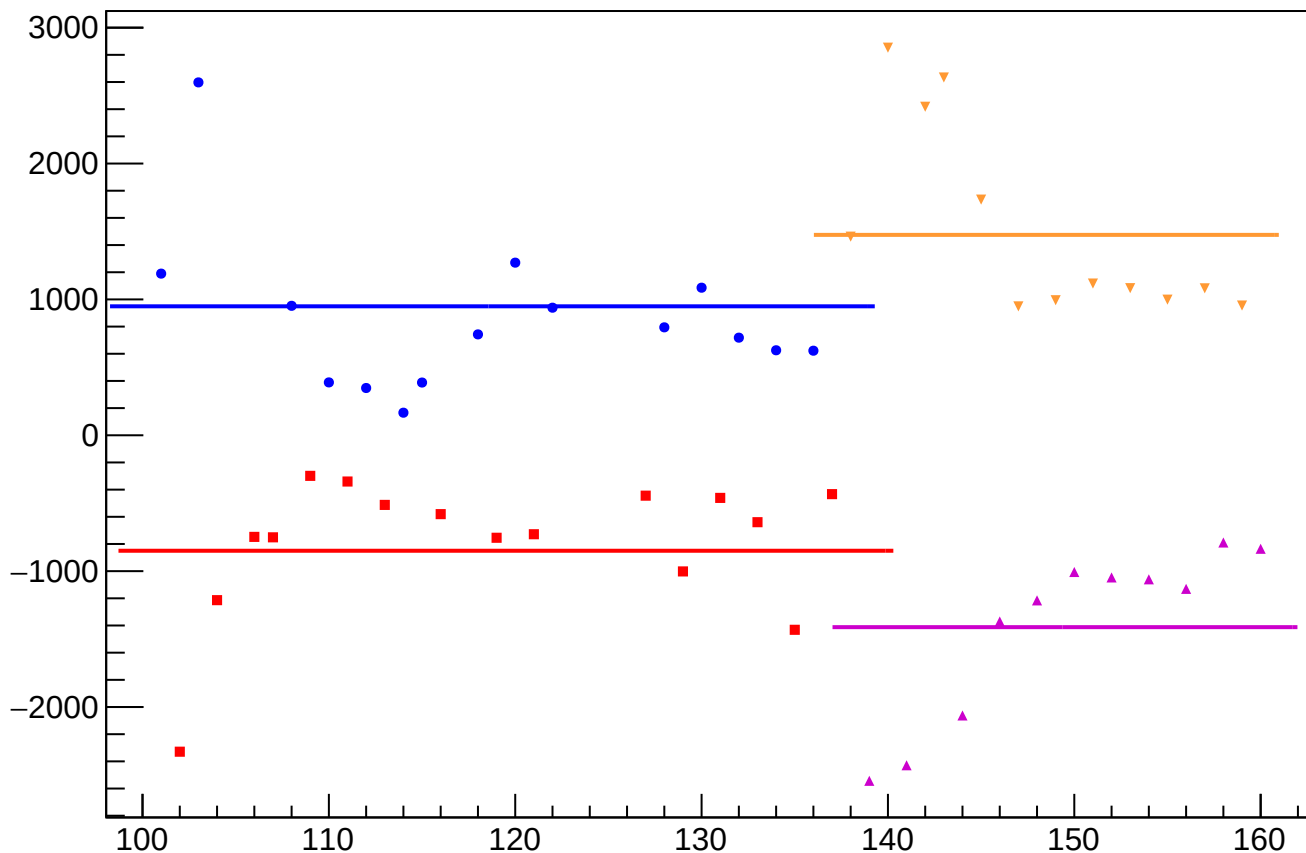
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam4_coil1_mean vs Slug, Sign Corrected



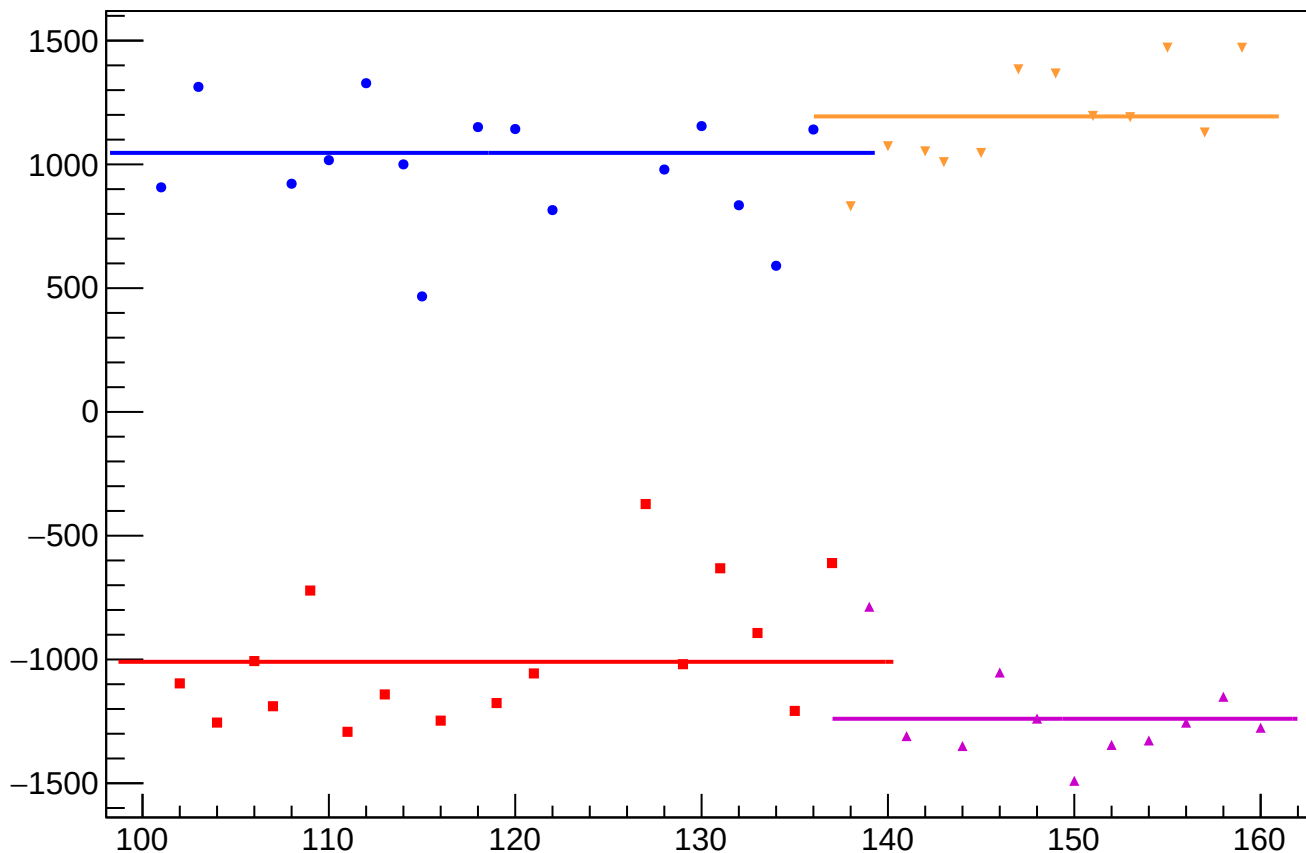
Right In: 53422.452 $\pm$ 0.000 χ^2 /NDF: 360635757315133800133751123167777346551808.0/14
 Left Out: 87421.965 $\pm$ 0.000 χ^2 /NDF: 176009447933973172298765808269588074332160.0/11
 Right Out: -45247.617 $\pm$ 0.000 χ^2 /NDF: 286060196488034430215784613374055547928576.0/15
 Left In: -90573.760 $\pm$ 0.000 χ^2 /NDF: 90574081394354221593949262312406685581312.0/10
 All: 223.377 $\pm$ 0.000 χ^2 /NDF: 186963897473

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



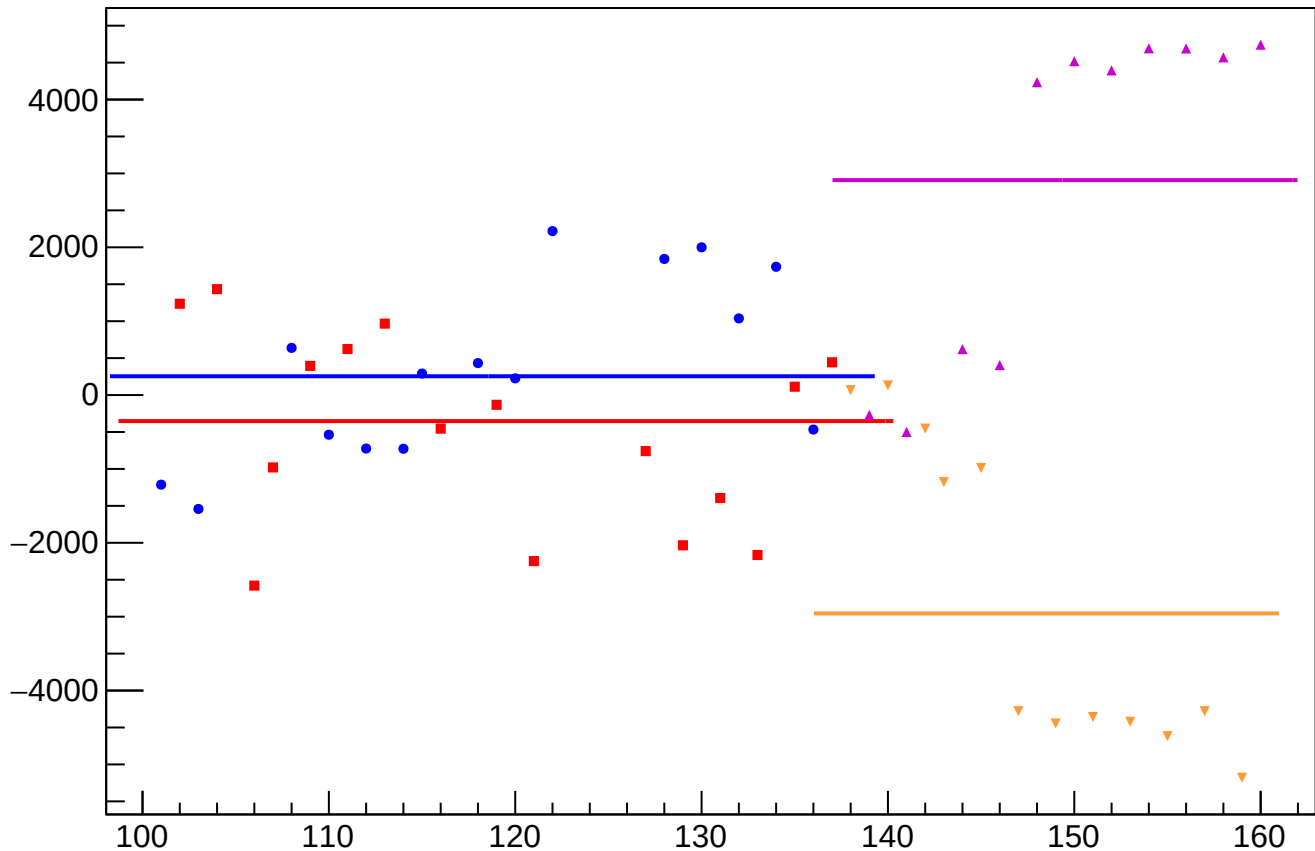
Right In: 949.197 $\pm$ 0.000 χ^2 /NDF: 225691032183153732733308094067658194944.0/14
 Left Out: 1474.996 $\pm$ 0.000 χ^2 /NDF: 407776279141254062636078508853738602496.0/11
 Right Out: -849.827 $\pm$ 0.000 χ^2 /NDF: 204622224261577247702227312745197338624.0/15
 Left In: -1412.186 $\pm$ 0.000 χ^2 /NDF: 332529390934897118157875972661756035072.0/10
 All: 29.322 $\pm$ 0.000 χ^2 /NDF: 6065565997163

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



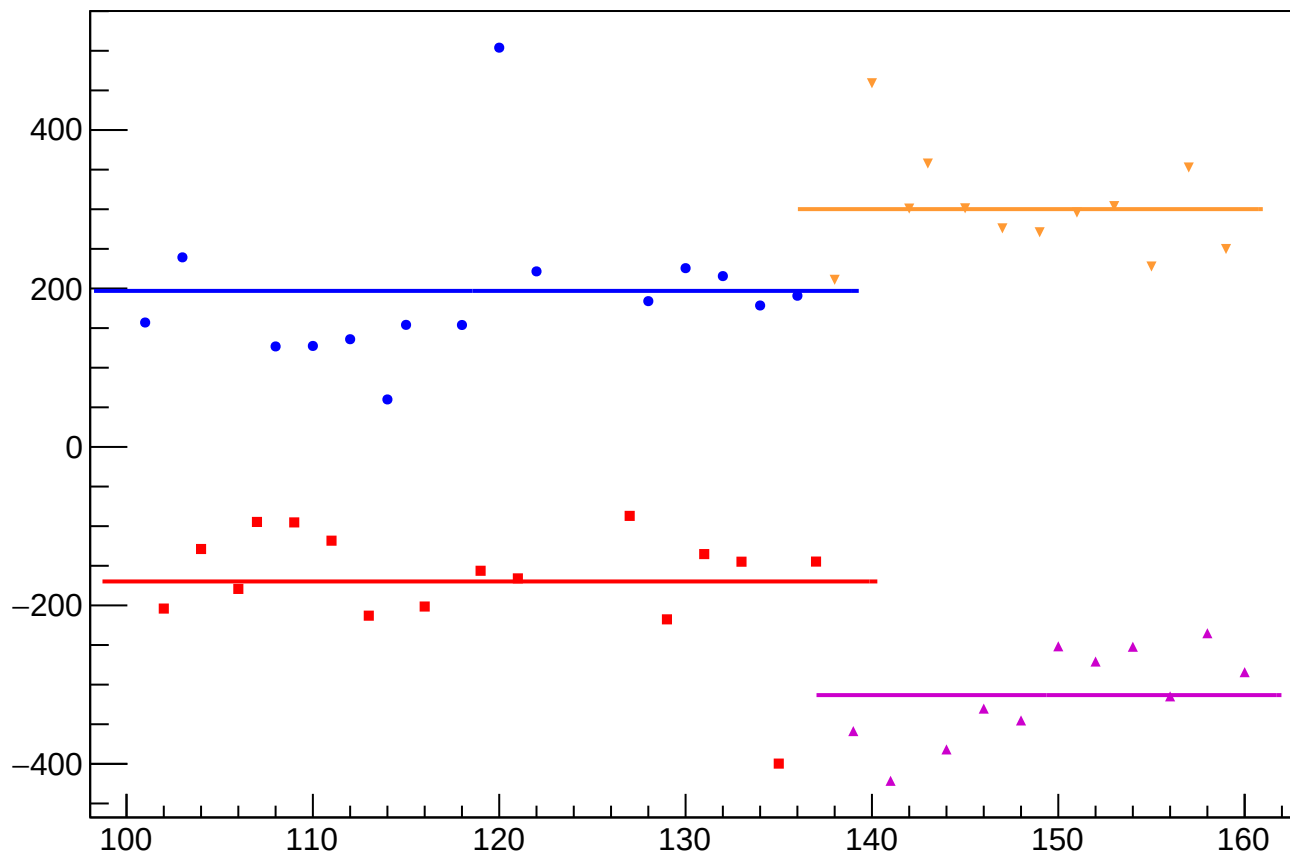
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam5_coil1_mean vs Slug, Sign Corrected



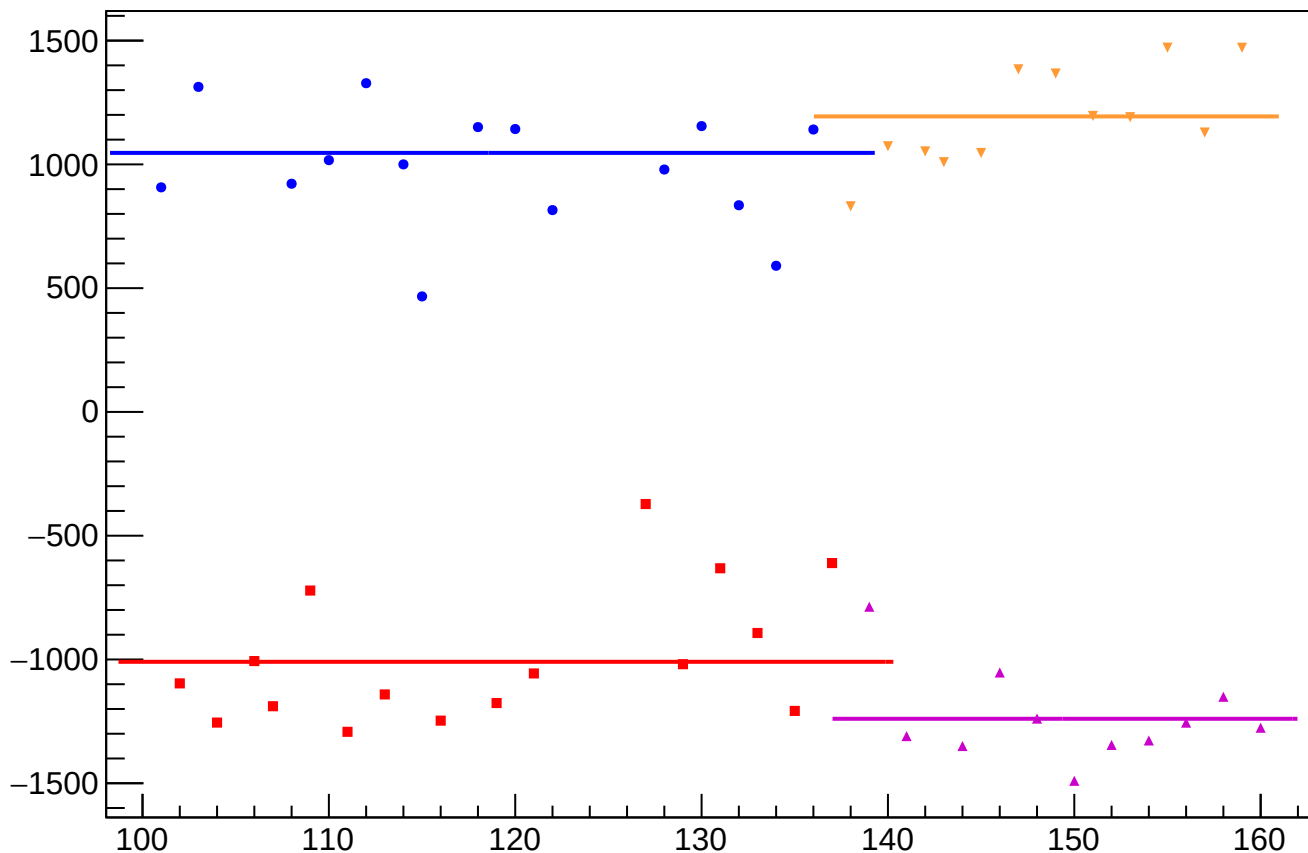
Left: -7.270 +/- 0.000 χ^2/NDF : 23893577266149002
 Right In: 254.578 +/- 0.000 χ^2/NDF : 978402113531006640741569223967249530880.0/14
 Right: -53.015 +/- 0.000 χ^2/NDF : 220036732540735
 Left Out: -2955.997 +/- 0.000 χ^2/NDF : 3707818280907677847342876591435129290752.0/11
 In: 1814.139 +/- 0.000 χ^2/NDF : 8042963130029704
 Right Out: -352.308 +/- 0.000 χ^2/NDF : 1100813647101508513447529068154010468352.0/15
 Out: -1857.540 +/- 0.000 χ^2/NDF : 74227087248686
 Left In: 2909.545 +/- 0.000 χ^2/NDF : 4377323512278558404902073126276443406336.0/10
 All: -26.357 +/- 0.000 χ^2/NDF : 260955494544

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



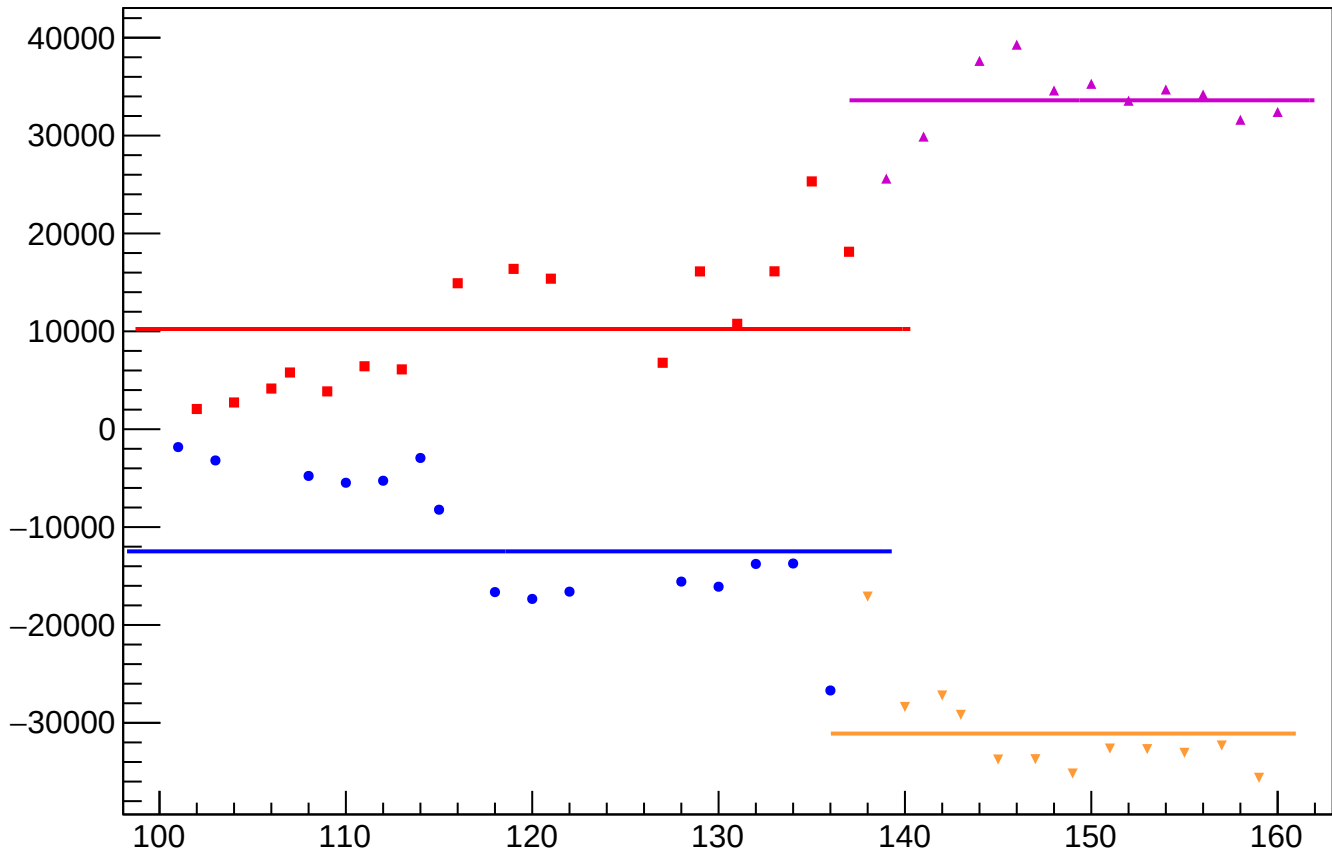
Right In: 196.955 $\pm$ 0.000 χ^2 /NDF: 4485245160329657914621372425838788608.0/14
 Left Out: 300.154 $\pm$ 0.000 χ^2 /NDF: 3873021428685352941137053448690204672.0/11
 Right Out: -169.778 $\pm$ 0.000 χ^2 /NDF: 3892609445494845784493558646385410048.0/15
 Left In: -313.228 $\pm$ 0.000 χ^2 /NDF: 3079061701843560714774529768142405632.0/10
 All: -0.159 $\pm$ 0.000 χ^2 /NDF: 2327307530740

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam6_coil1_mean vs Slug, Sign Corrected



Right In: -12479.653+/-0.000

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

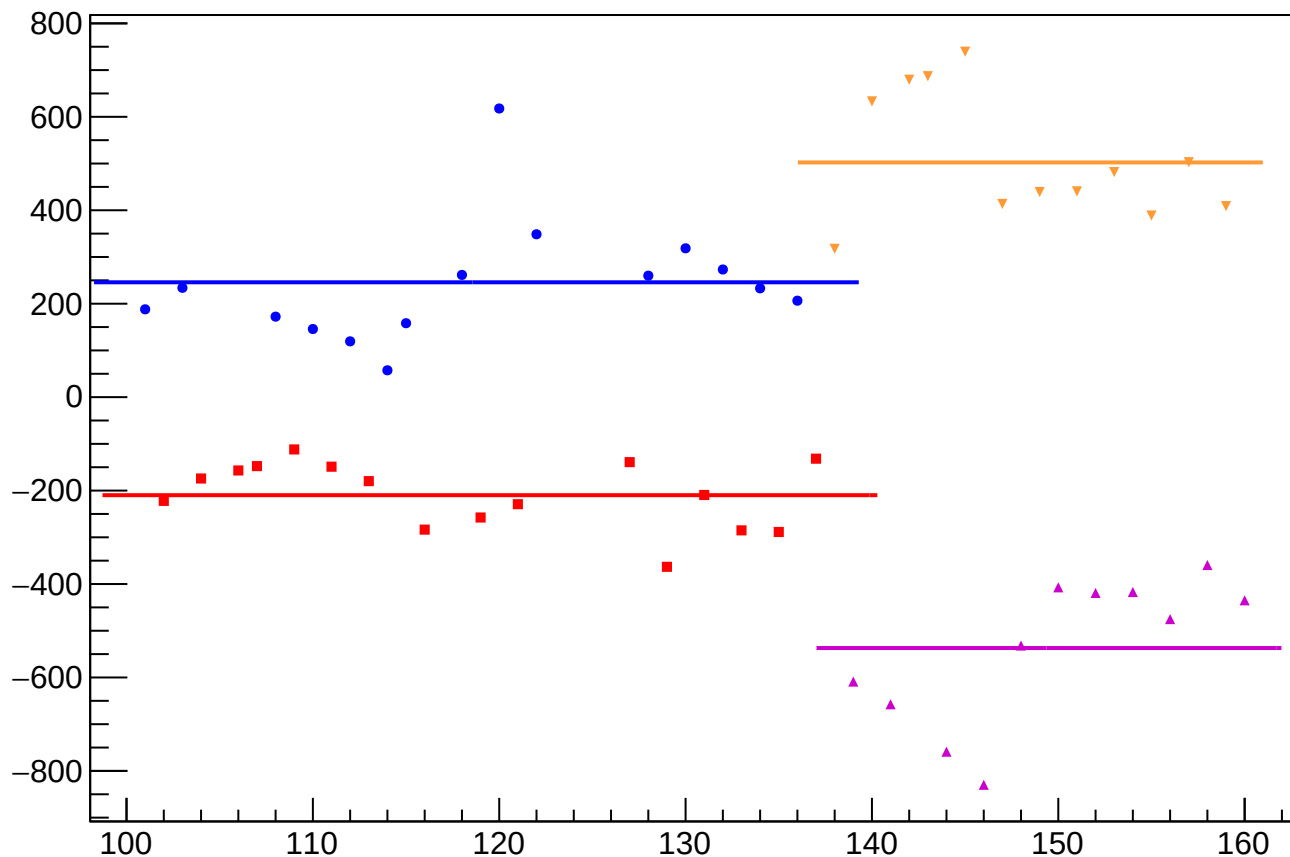
Right: -965.413+/-0.000 χ^2/NDF : 24217037814564

In: 14589.951+/-0.000 χ^2/NDF : 862146721459062

Out: -13657.980+/-0.000 χ^2/NDF : 7118042053110

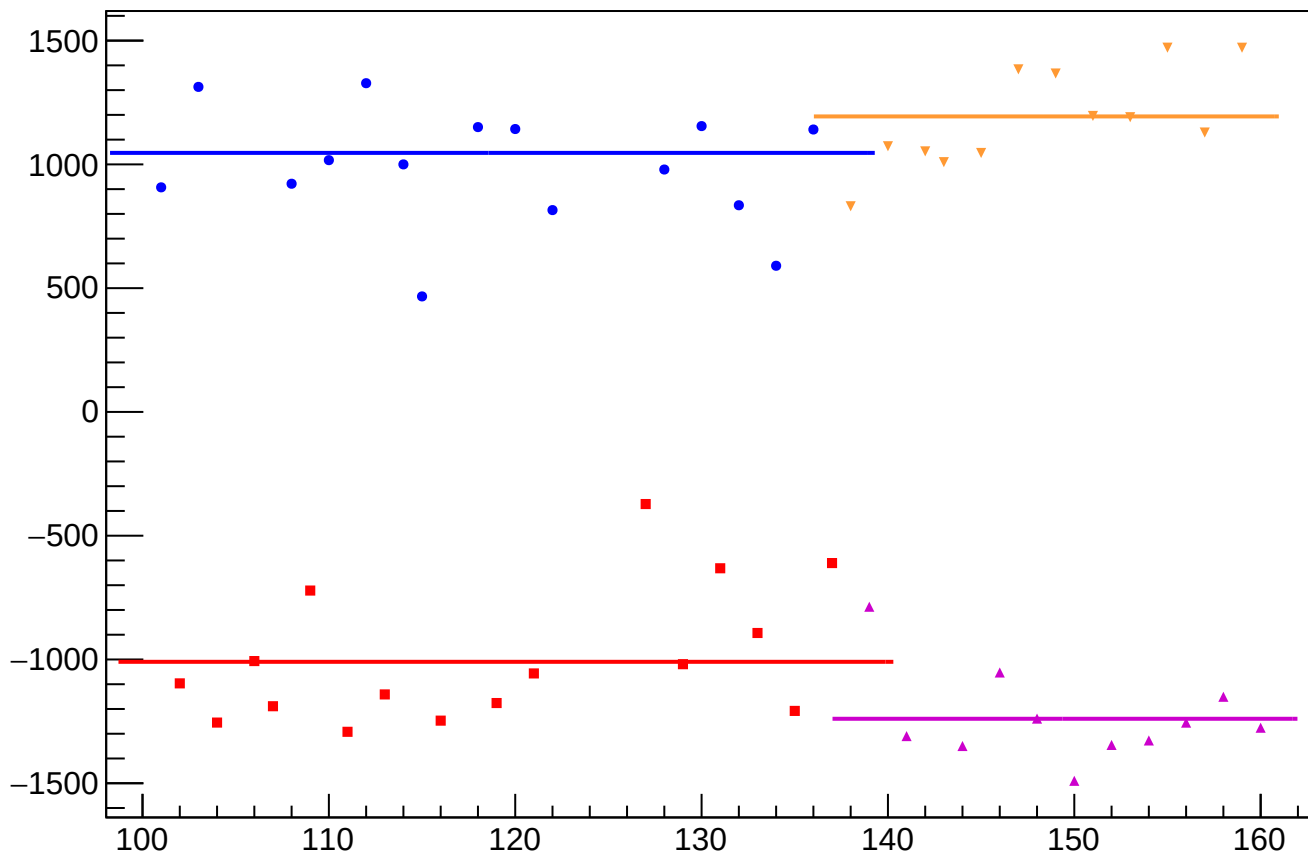
All: 430.161+/-0.000 χ^2/NDF : 220312696497

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



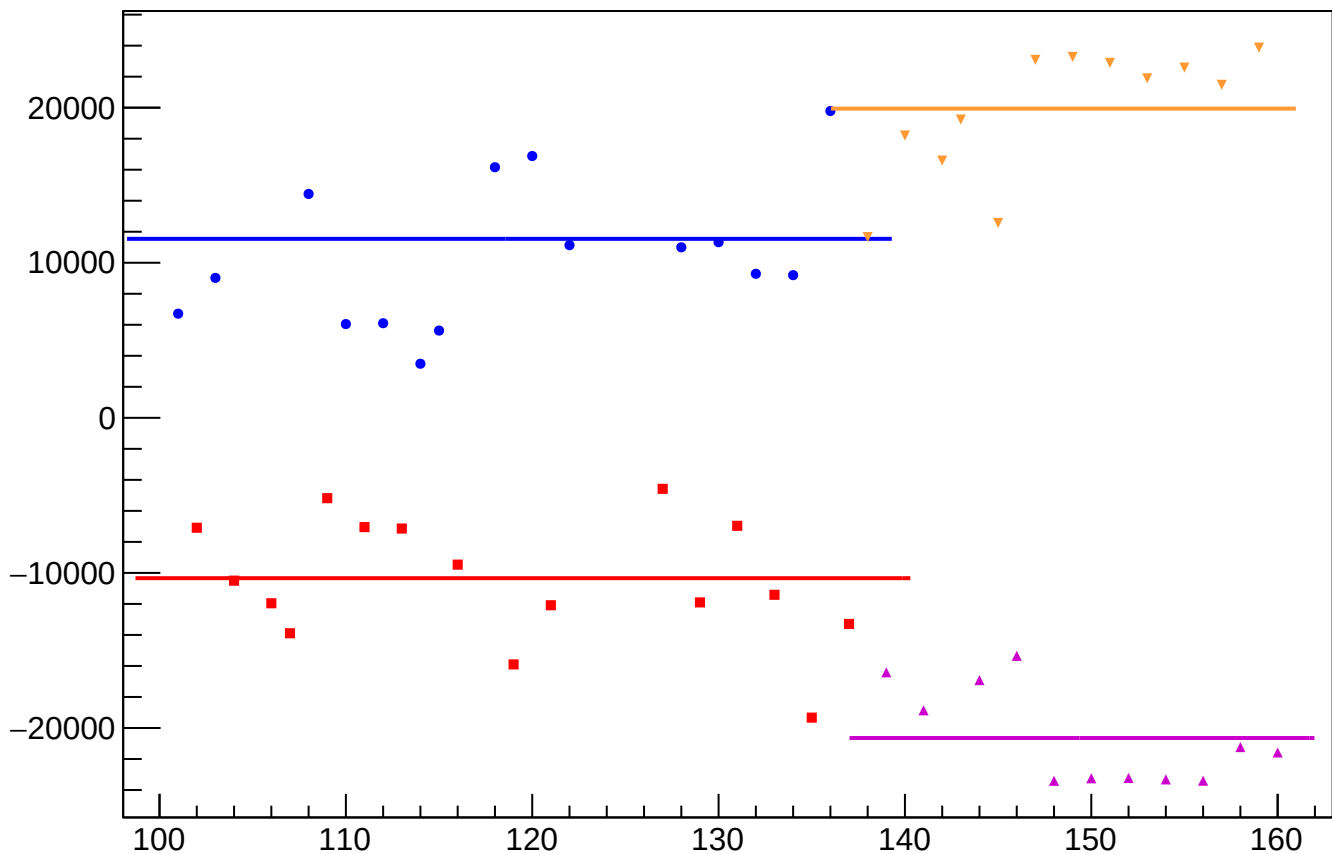
Right In: 245.832 $\pm$ 0.000 χ^2 /NDF: 7828269009300013139414476154059358208.0/14
 Left Out: 502.365 $\pm$ 0.000 χ^2 /NDF: 15191566092864942113763626663922368512.0/11
 Right Out: -209.844 $\pm$ 0.000 χ^2 /NDF: 3128489258838765241921217786024034304.0/15
 Left In: -536.975 $\pm$ 0.000 χ^2 /NDF: 20803022486400810956958367719555596288.0/10
 All: -5.524 $\pm$ 0.000 χ^2 /NDF: 6125424587177

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



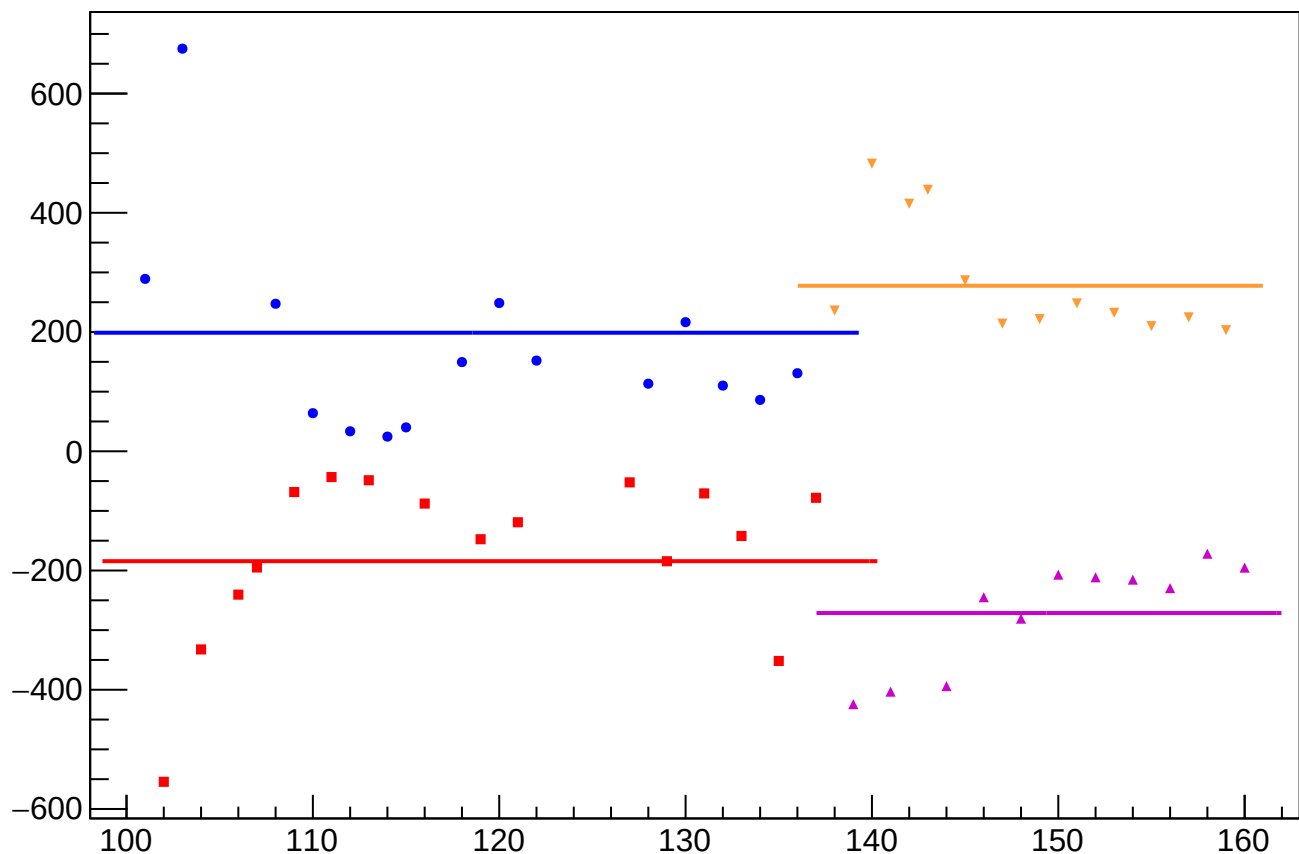
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11542.759 $\pm$ 0.000 χ^2 /NDF: 14233543123238566357226766219014687424512.0/14
 Left Out: 19940.398 $\pm$ 0.000 χ^2 /NDF: 15069486743345866506868658008400293003264.0/11
 Right Out: -10339.969 $\pm$ 0.000 χ^2 /NDF: 11260833863406751645923420062982418202624.0/15
 Left In: -20645.358 $\pm$ 0.000 χ^2 /NDF: 8456327376882782804888899010558833983488.0/10
 All: -81.261 $\pm$ 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

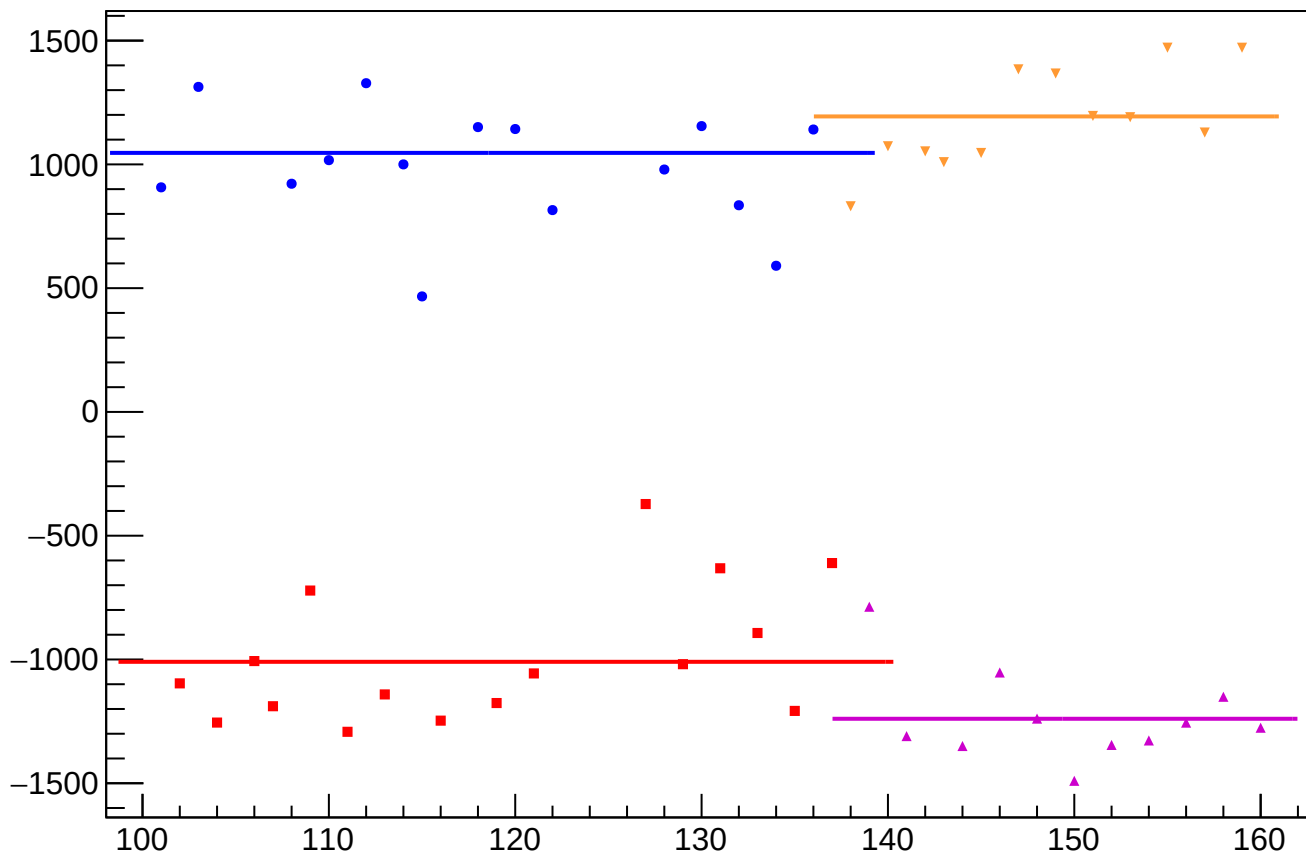
χ^2/NDF : 14927434931395588601024961538372403200.0/15

Left In: -271.291+/-0.000

χ^2/NDF : 7112445981030520145066814103974051840.0/10

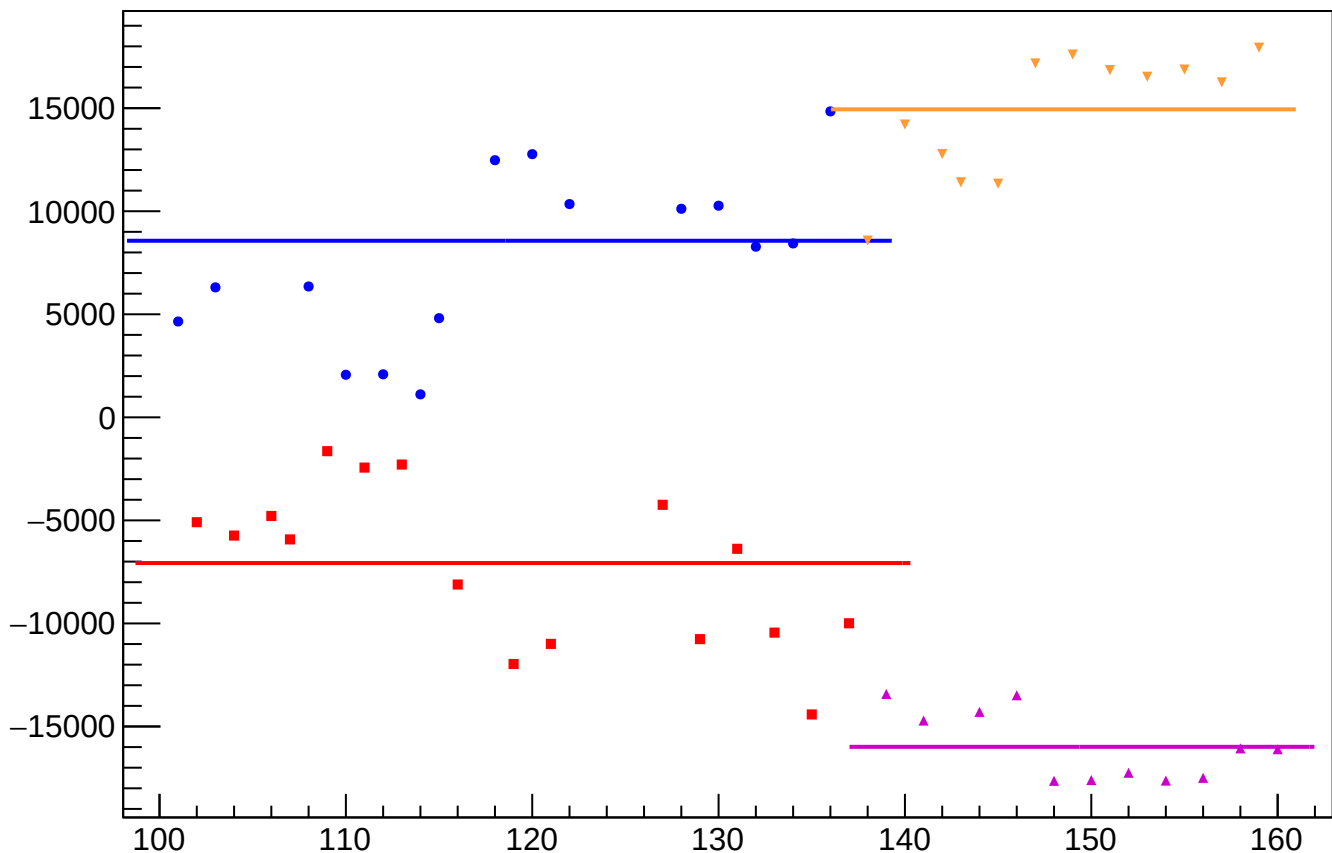
Left: 1.680+/-0.000 χ^2/NDF : 153604786302901224.0/14
 Right: 4.640+/-0.000 χ^2/NDF : 81558141576342570.0/14
 In: -77.317+/-0.000 χ^2/NDF : 10971103033492192.0/14
 Out: 82.741+/-0.000 χ^2/NDF : 10525855975351748.0/14
 All: 2.915+/-0.000 χ^2/NDF : 23516964927960.0/14

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



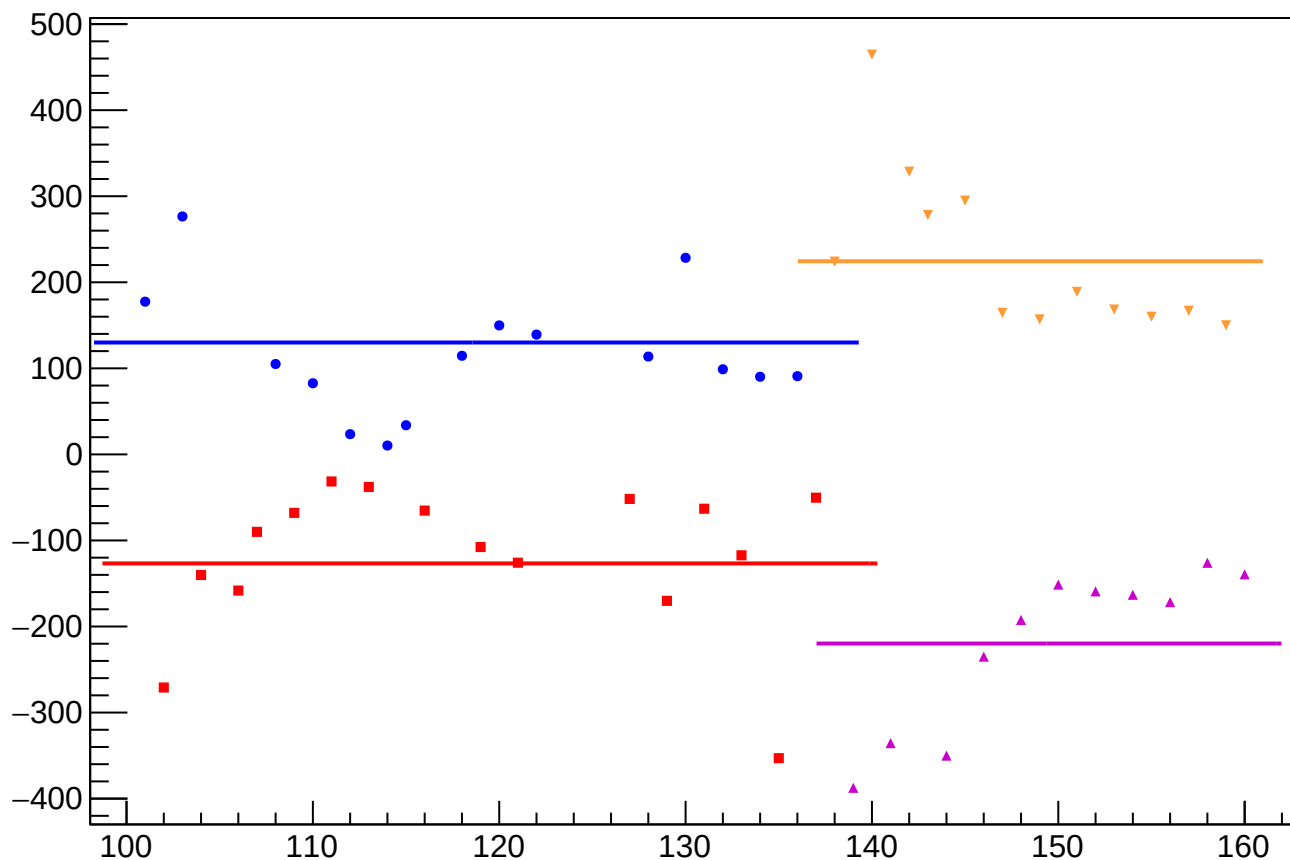
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam8_coil1_mean vs Slug, Sign Corrected



Right In: 8567.784 $\pm$ 0.000 χ^2/NDF : 11106048878972501366429055679645708451840.0/14
 Left Out: 14943.560 $\pm$ 0.000 χ^2/NDF : 7900539606524387386359998406585036570624.0/11
 Right Out: -7069.884 $\pm$ 0.000 χ^2/NDF : 10076862363502652111378210539664387866624.0/15
 Left In: -15987.436 $\pm$ 0.000 χ^2/NDF : 2470393428254815728629083332629999124480.0/10
 All: -85.320 $\pm$ 0.000 χ^2/NDF : 552788797574

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021+/-0.000

χ^2/NDF : 3115259987552341725946418665378283520.0/14

Left Out: 224.458+/-0.000

χ^2/NDF : 7870394140048491055430374232164401152.0/11

Right Out: -126.709+/-0.000

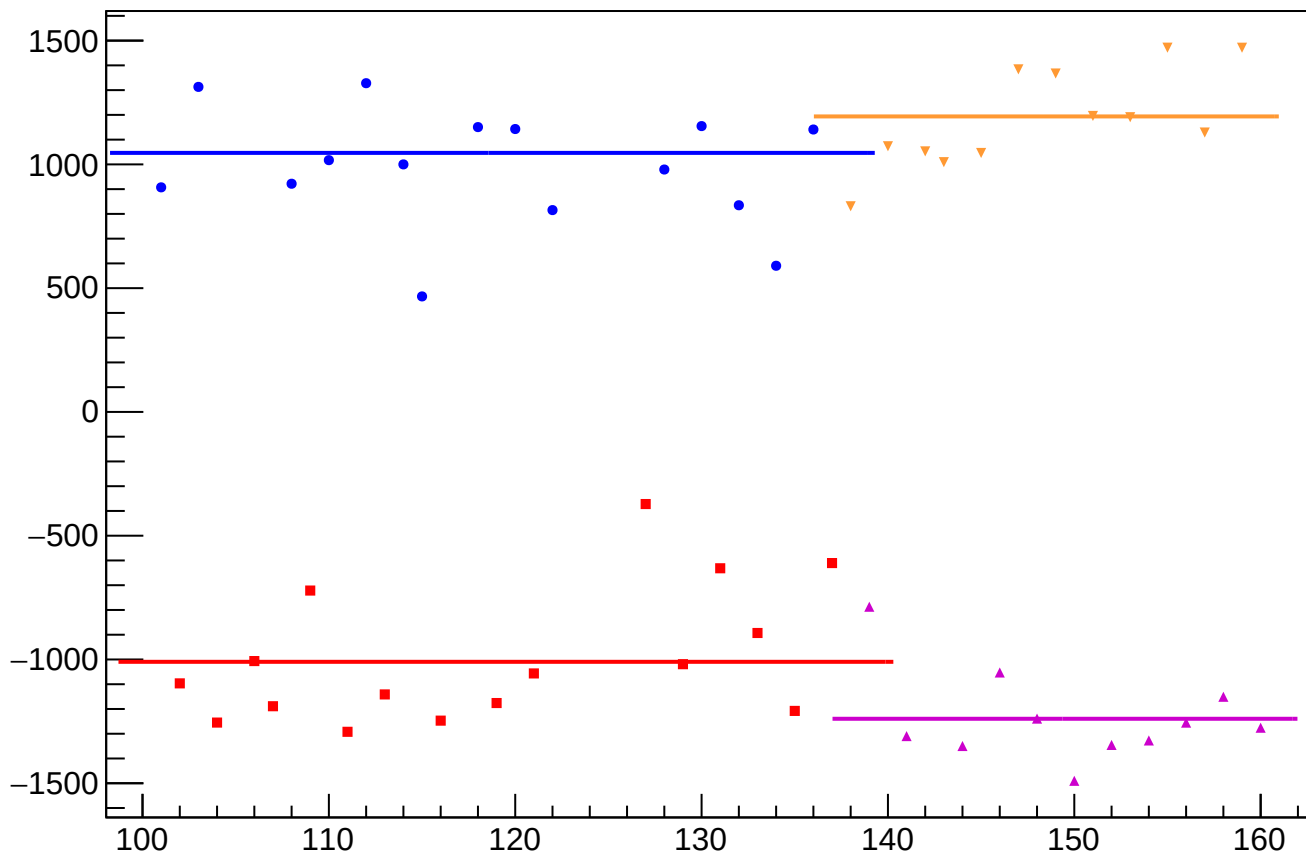
χ^2/NDF : 5397122581297664561308621600668516352.0/15

Left In: -219.787+/-0.000

χ^2/NDF : 7418609629454172879787970620999860224.0/10

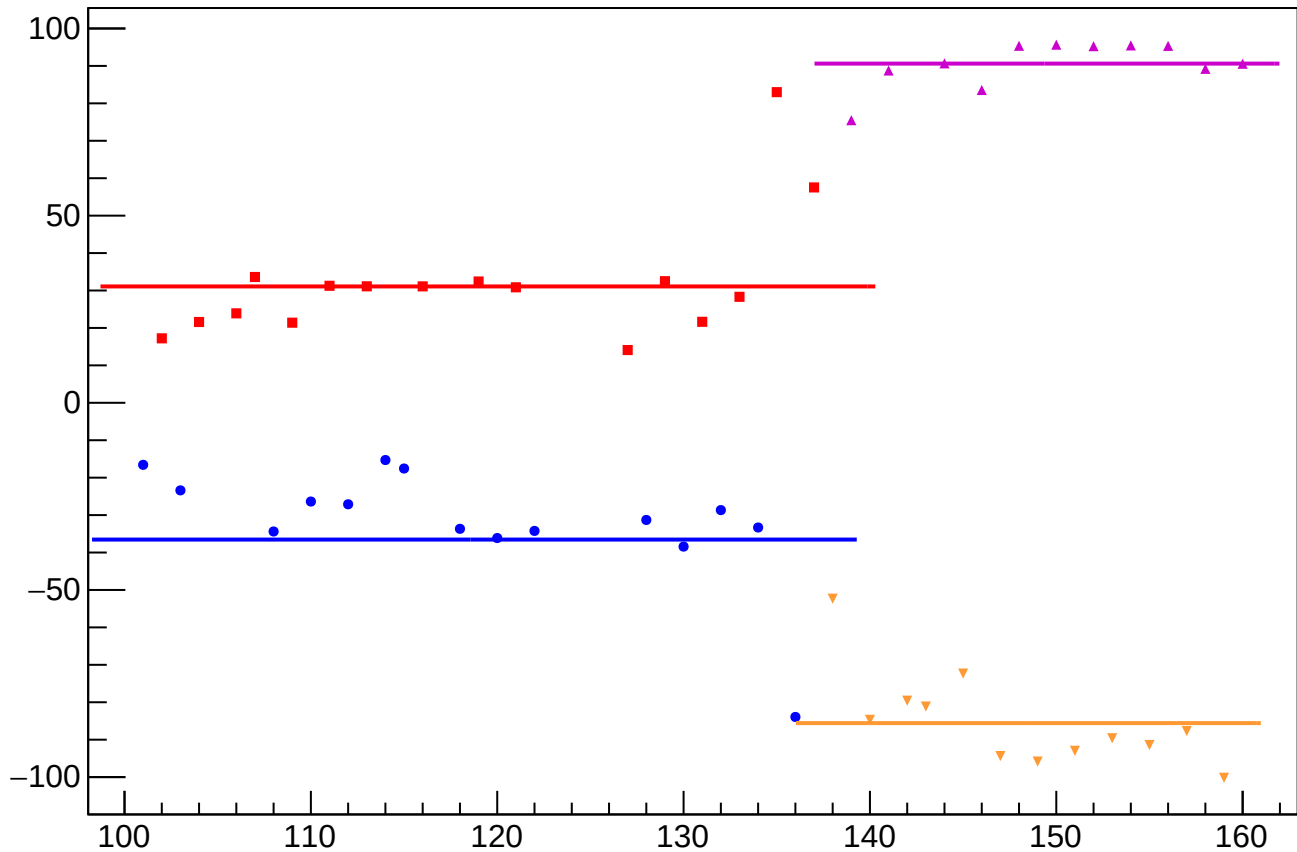
All: 0.615+/-0.000 χ^2/NDF : 1361639505758

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540 $\pm$ 0.000

Left Out: -85.570 $\pm$ 0.000

Right Out: 31.085 $\pm$ 0.000

Left In: 90.618 $\pm$ 0.000

χ^2 /NDF: 254351867861444609202637633864335360.0/14

χ^2 /NDF: 143557776257547990865591640732467200.0/11

χ^2 /NDF: 181291079119381636178408498876383232.0/15

χ^2 /NDF: 33089833083626408117297955498622976.0/10

Left: 3.003 $\pm$ 0.000 χ^2 /NDF: 144401853367529279

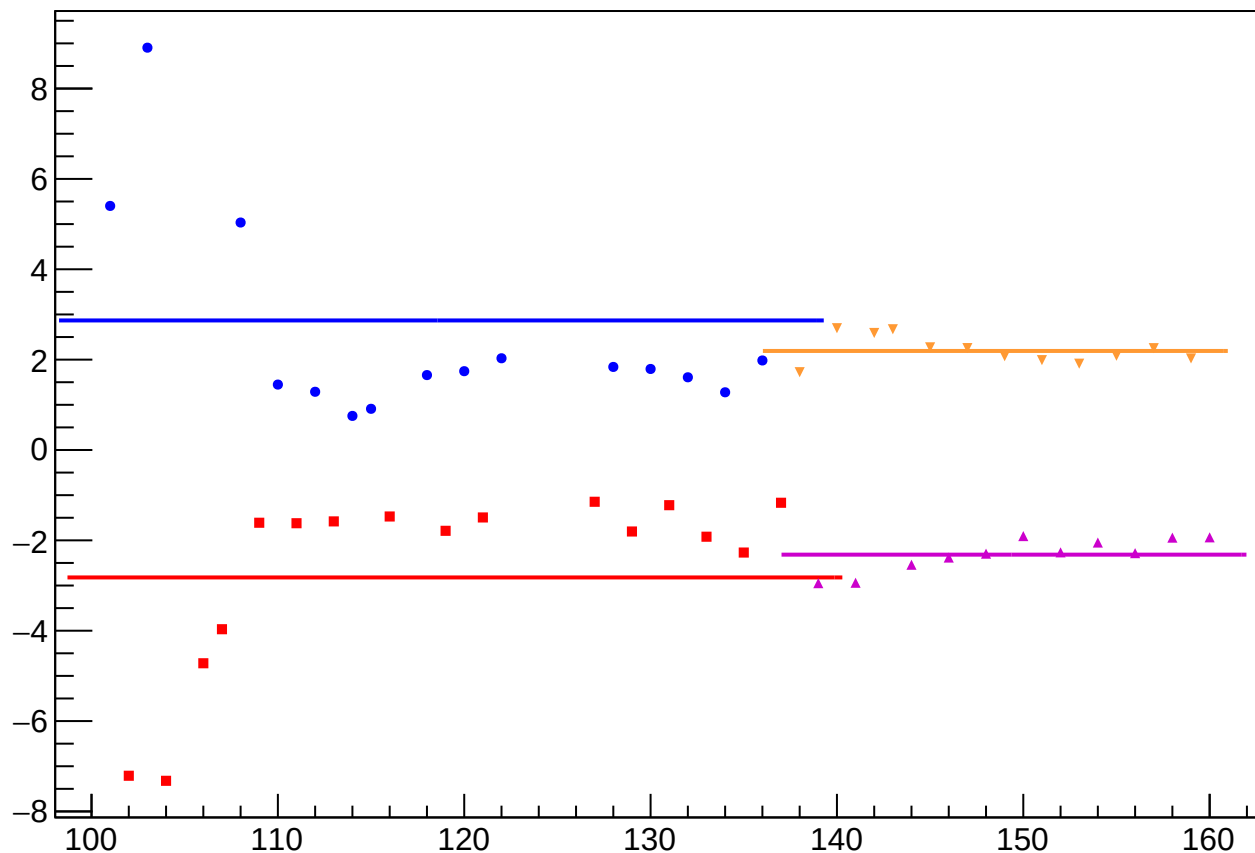
Right: -2.265 $\pm$ 0.000 χ^2 /NDF: 1939933040270060

In: 38.154 $\pm$ 0.000 χ^2 /NDF: 645160855456739365

Out: -36.355 $\pm$ 0.000 χ^2 /NDF: 5572346140178000

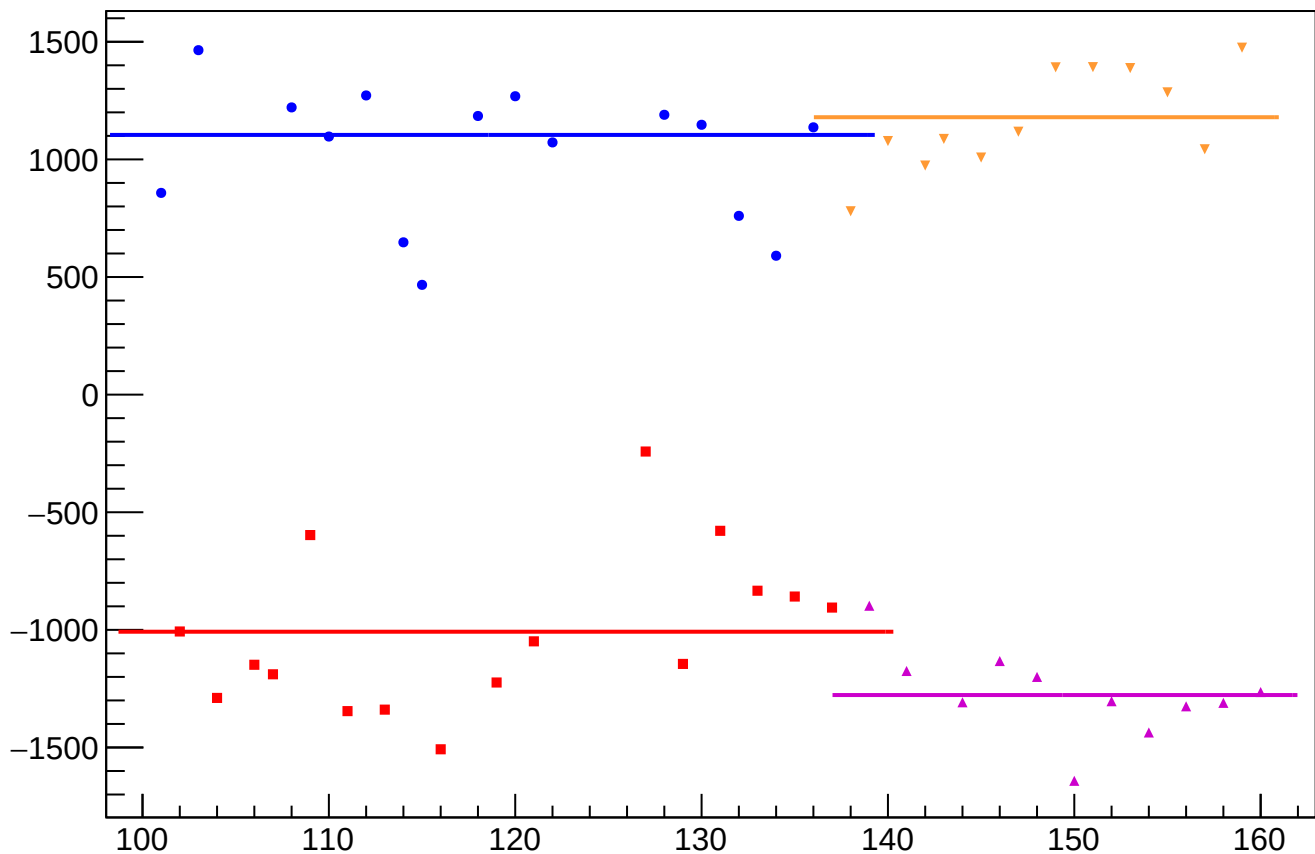
All: 0.805 $\pm$ 0.000 χ^2 /NDF: 16401400360245

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



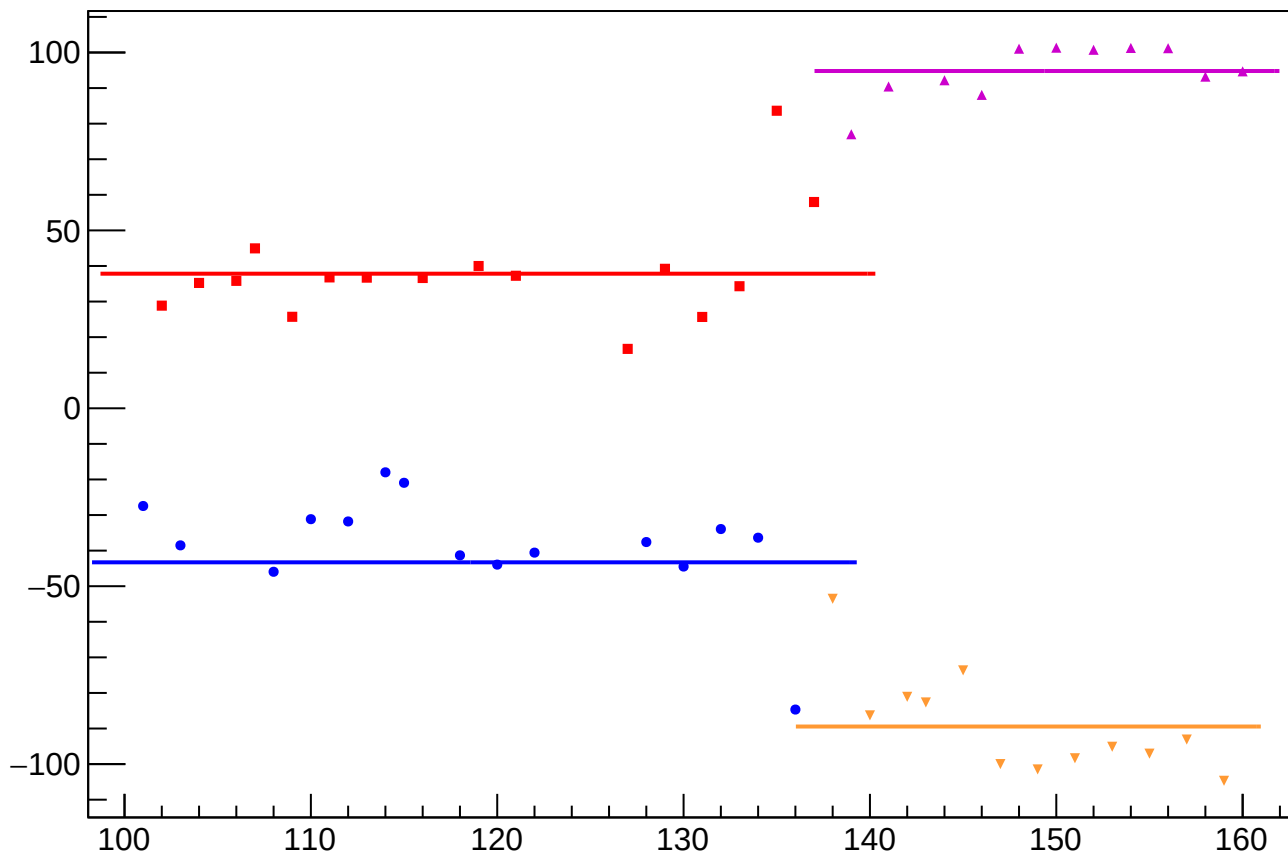
Left: -0.075 +/- 0.000 χ^2/NDF : 95306809315306736
 Right: -0.016 +/- 0.000 χ^2/NDF : 1715222089110172
 In: -0.178 +/- 0.000 χ^2/NDF : 138149448631133165
 Out: 0.077 +/- 0.000 χ^2/NDF : 128194020230004330
 All: -0.050 +/- 0.000 χ^2/NDF : 2668555650335

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -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_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

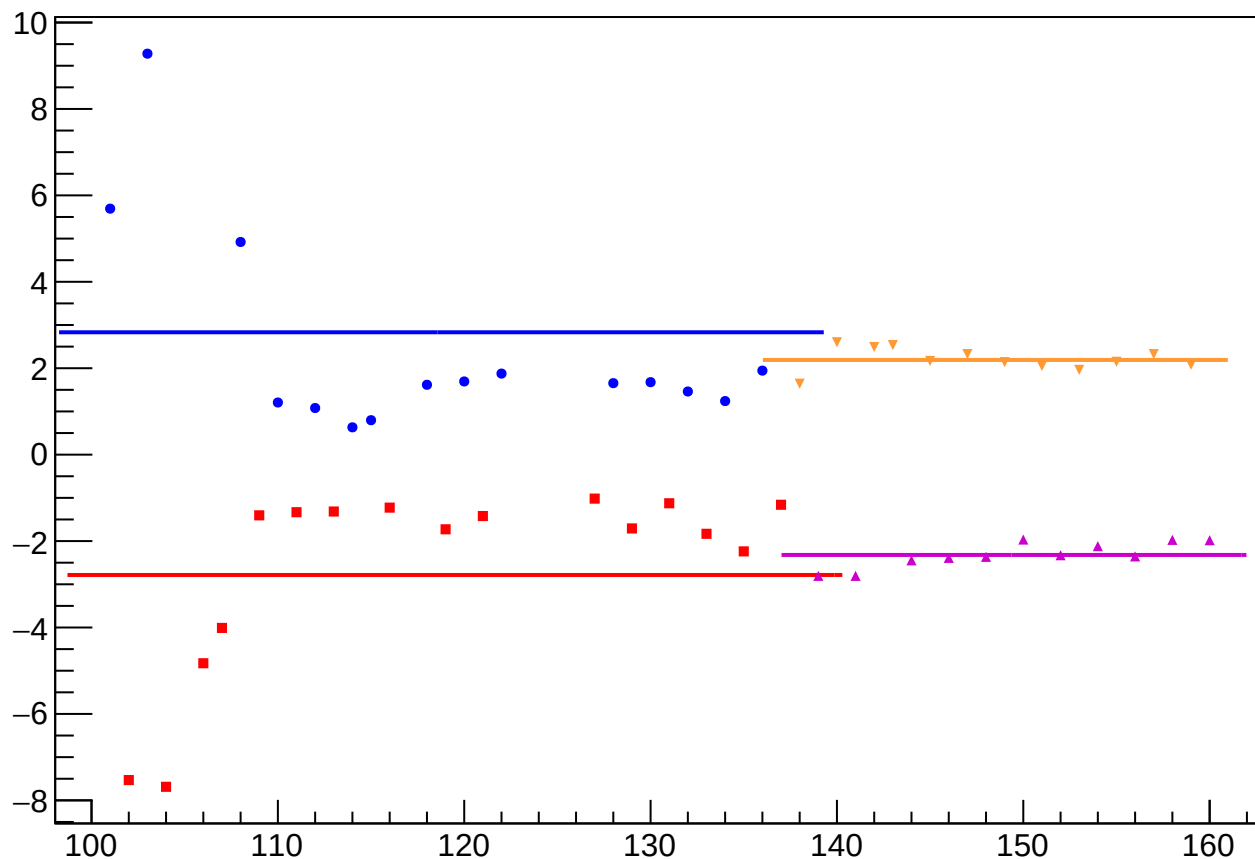
Right: -2.174 $\pm$ 0.000 χ^2/NDF : 2512687101518028

In: 37.826 $\pm$ 0.000 χ^2/NDF : 751790372998047563

Out: -35.745 $\pm$ 0.000 χ^2/NDF : 6575776048743356

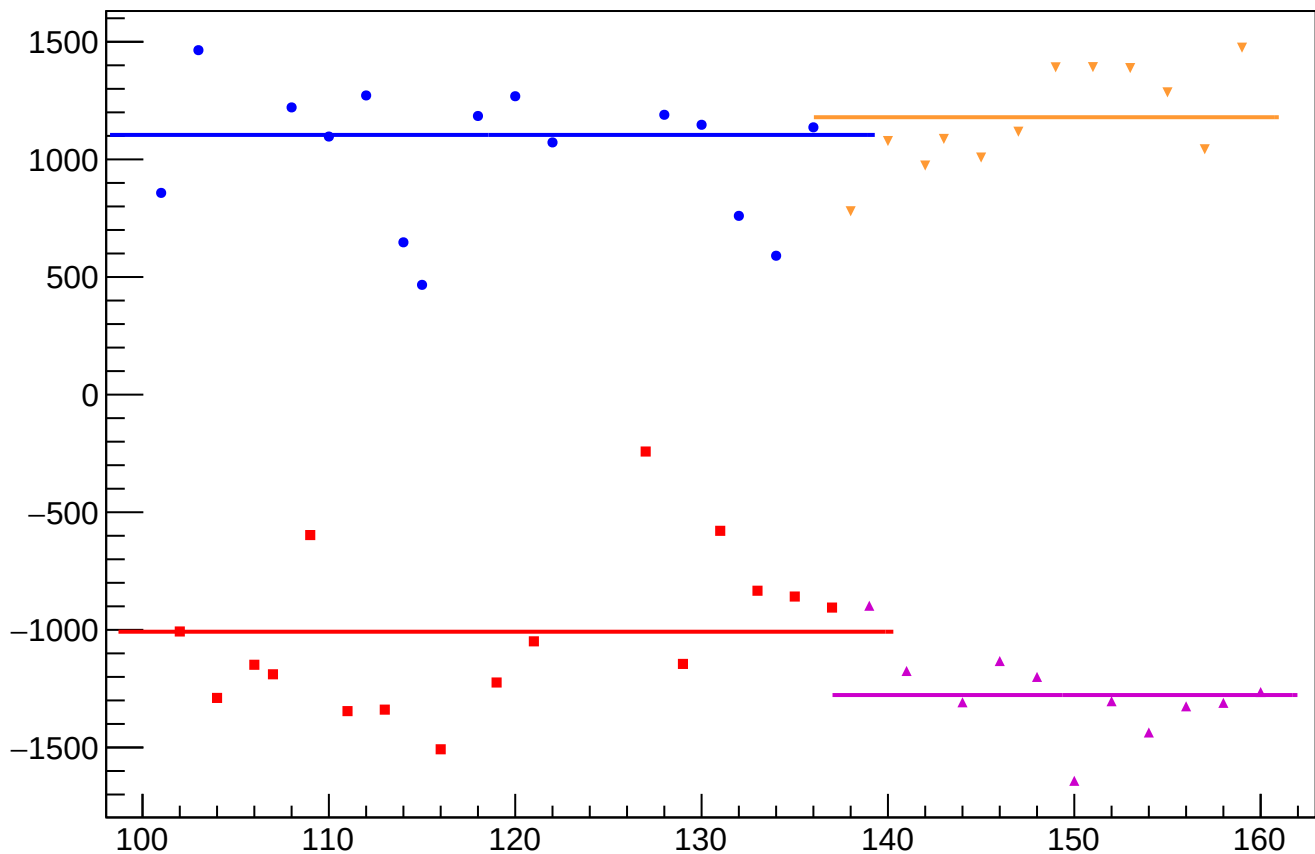
All: 0.947 $\pm$ 0.000 χ^2/NDF : 1836150818238

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



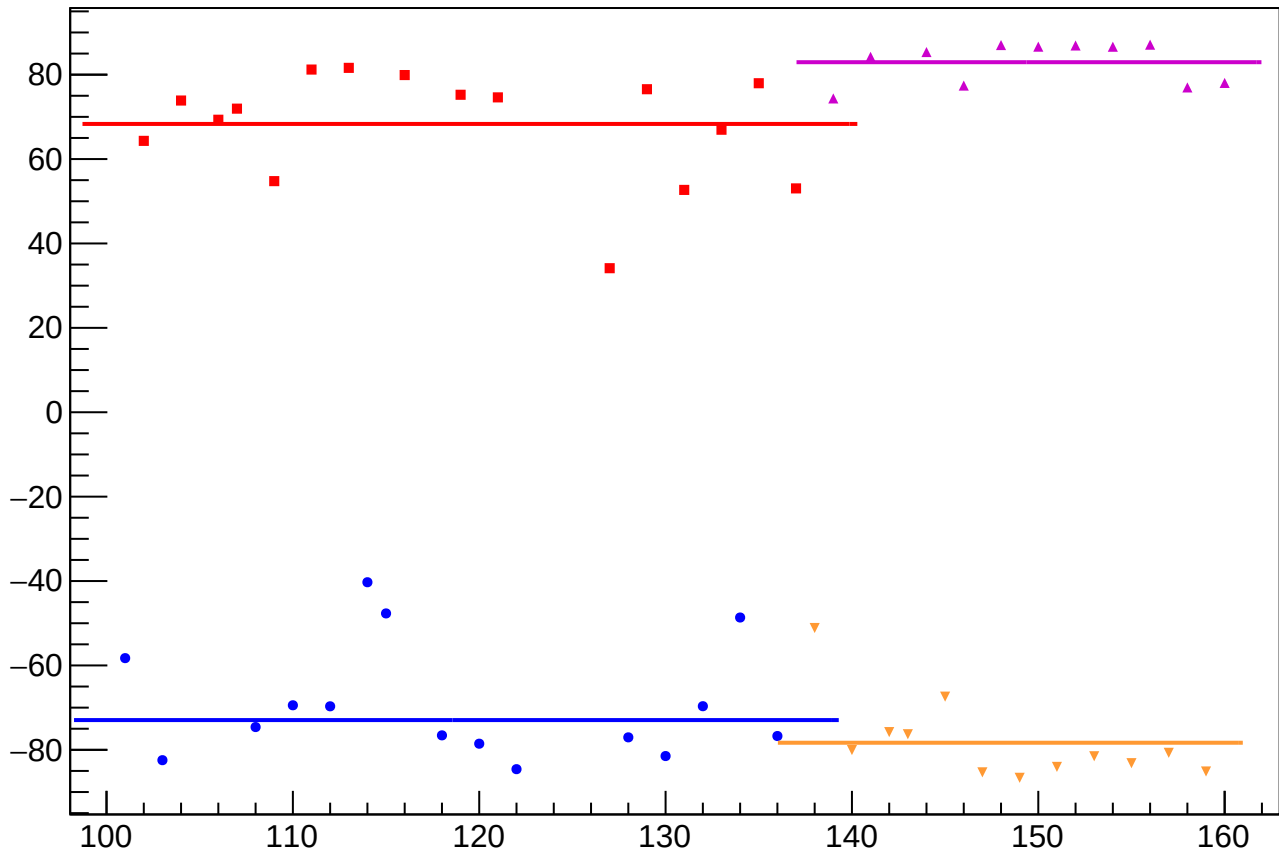
Right In: 2.832 ± 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 59601559247415008947816525463552.0/11
 Right Out: -2.784 ± 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.321 ± 0.000 χ^2/NDF : 74619123224616324544404505231360.0/10
 All: -0.051 ± 0.000 χ^2/NDF : 2741558316748

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Left: -55.563 ± 0.000 $\chi^2/\text{NDF}: 2840892210996509$
 Right In: 1104.111 ± 0.000 $\chi^2/\text{NDF}: 32737841591587454251521906421545304064.0/14$
 Right: 33.659 ± 0.000 $\chi^2/\text{NDF}: 1569083056347410$
 Left Out: 1179.336 ± 0.000 $\chi^2/\text{NDF}: 38742916032610862911819544133355175936.0/11$
 In: -294.641 ± 0.000 $\chi^2/\text{NDF}: 2223953426306853$
 Right Out: -1007.906 ± 0.000 $\chi^2/\text{NDF}: 69077878009873965622695939627477368832.0/15$
 Out: 256.572 ± 0.000 $\chi^2/\text{NDF}: 1952554182211910$
 Left In: -1277.097 ± 0.000 $\chi^2/\text{NDF}: 29578729901602647998073818936097374208.0/10$
 All: -18.335 ± 0.000 $\chi^2/\text{NDF}: 441608022845$

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949+/-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

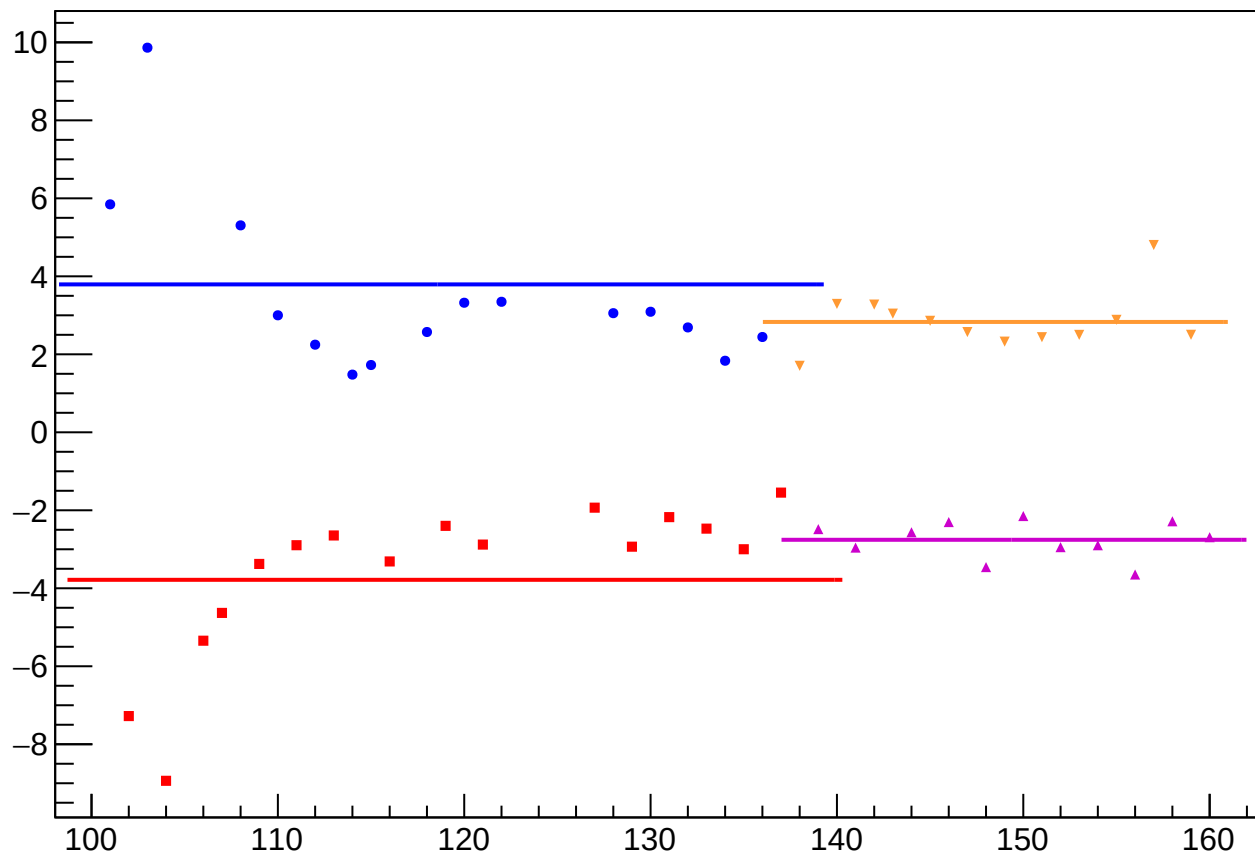
Right: -1.347+/-0.000 χ^2/NDF : 6737392391922205

In: 18.630+/-0.000 χ^2/NDF : 935227547229560147

Out: -16.451+/-0.000 χ^2/NDF : 8485315004637869

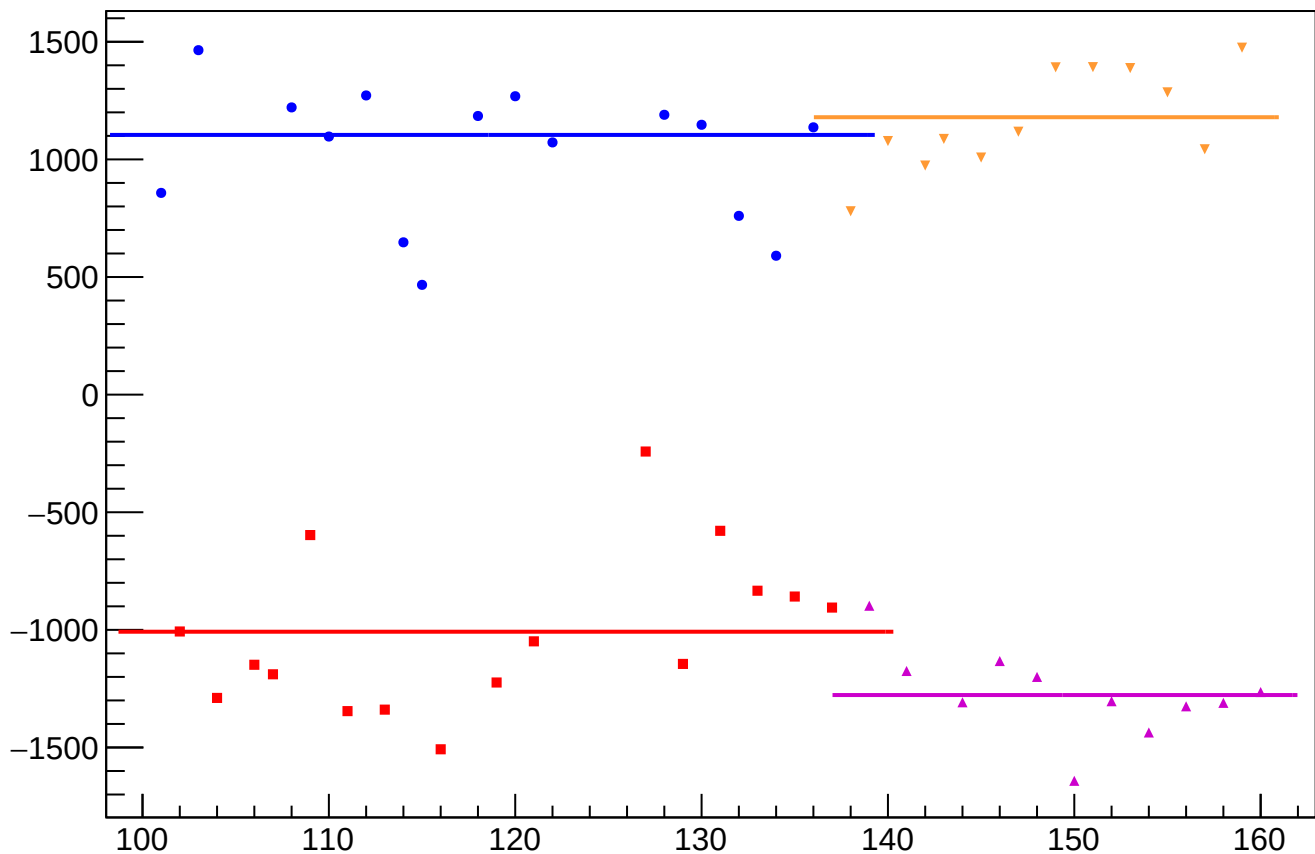
All: 1.045+/-0.000 χ^2/NDF : 18808011568652

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



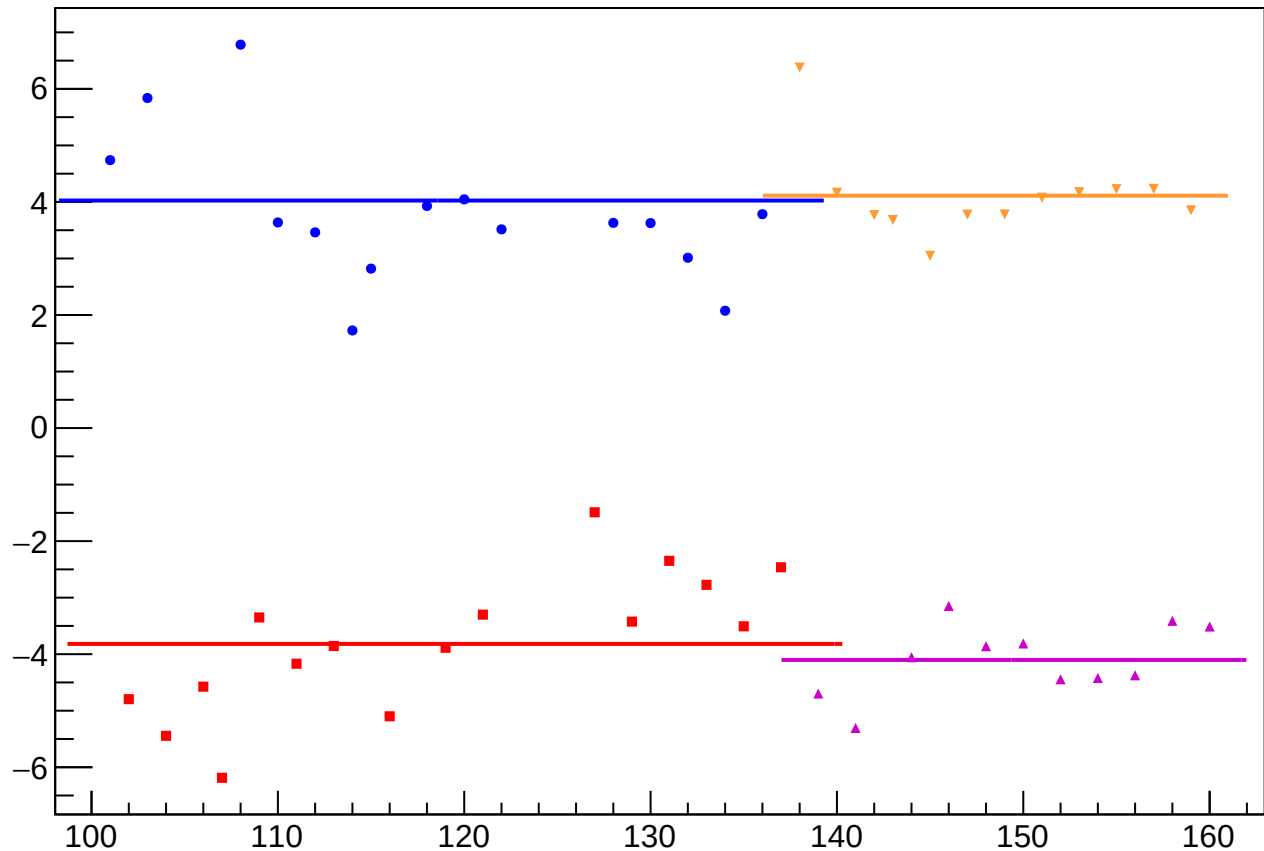
Right In: 3.793 $\pm$ 0.000 χ^2 /NDF: 3205389242726129619796290810413056.0/14
 Left Out: 2.830 $\pm$ 0.000 χ^2 /NDF: 492749026028838907947829621161984.0/11
 Right Out: -3.783 $\pm$ 0.000 χ^2 /NDF: 2878586622192676654452338755371008.0/15
 Left In: -2.757 $\pm$ 0.000 χ^2 /NDF: 191720746547732306226054042746880.0/10
 All: -0.007 $\pm$ 0.000 χ^2 /NDF: 3999287355304

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



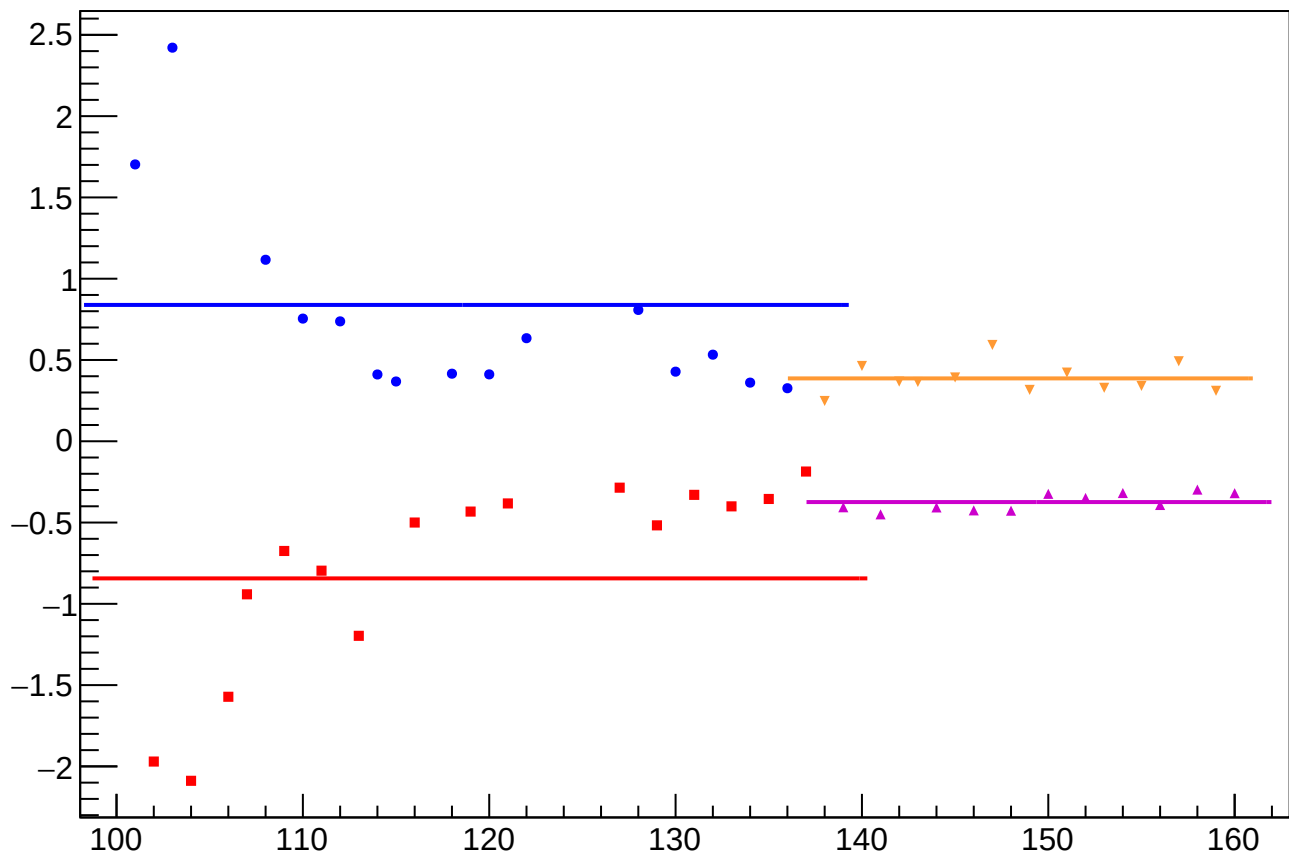
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025+/-0.000 χ^2/NDF : 769001650442321928129473832550400.0/14
 Left Out: 4.111+/-0.000 χ^2/NDF : 532620096510613693690902891986944.0/11
 Right Out: -3.819+/-0.000 χ^2/NDF : 888232240226434329114859171479552.0/15
 Left In: -4.102+/-0.000 χ^2/NDF : 329978343606173709019066465779712.0/10
 All: 0.010+/-0.000 χ^2/NDF : 53749829914354

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839 +/- 0.000

χ^2/NDF : 258416025334615661521163083841536.0/14

Left Out: 0.387 +/- 0.000

χ^2/NDF : 7656532010606705303389852401664.0/11

Right Out: -0.844 +/- 0.000

χ^2/NDF : 252917509393432760240648918925312.0/15

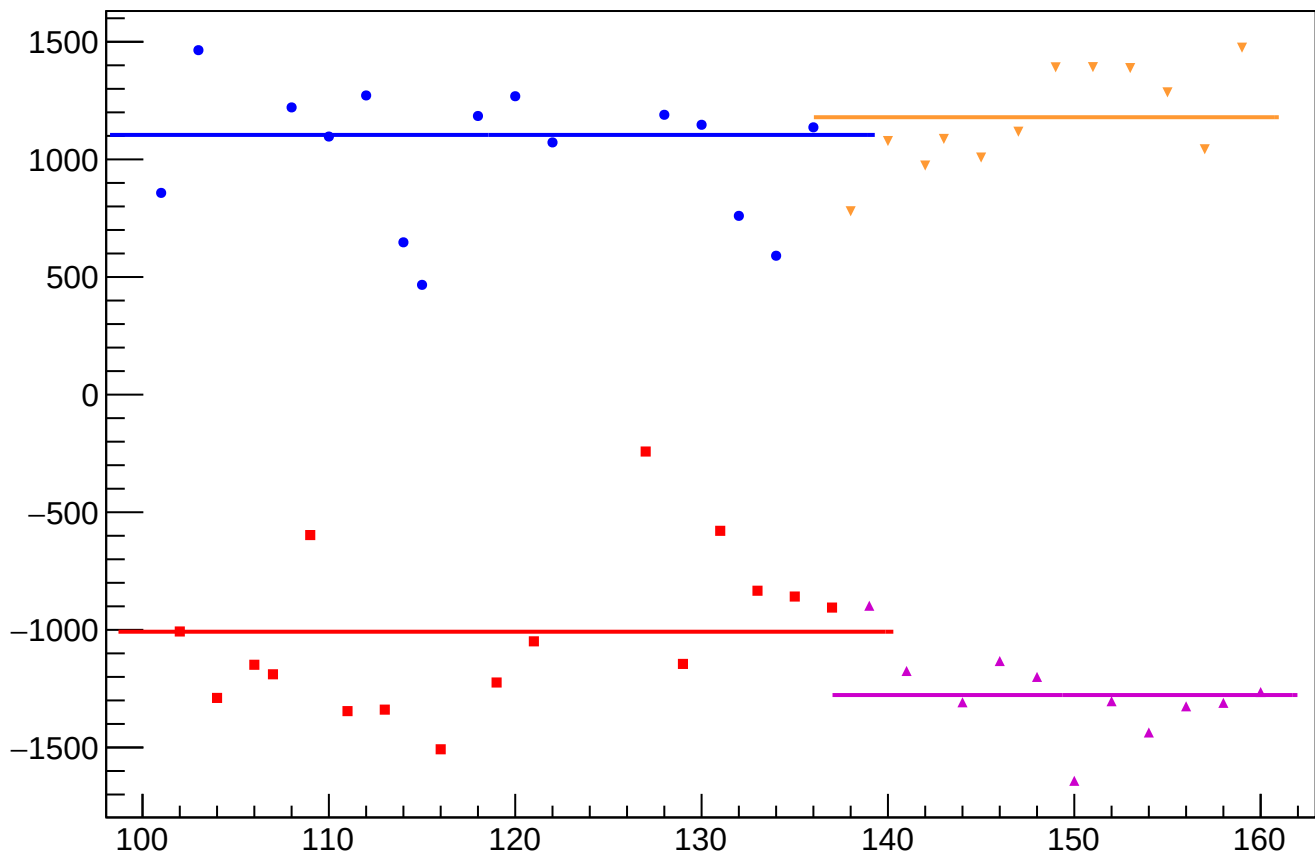
Left In: -0.374 +/- 0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

All: -0.003 +/- 0.000

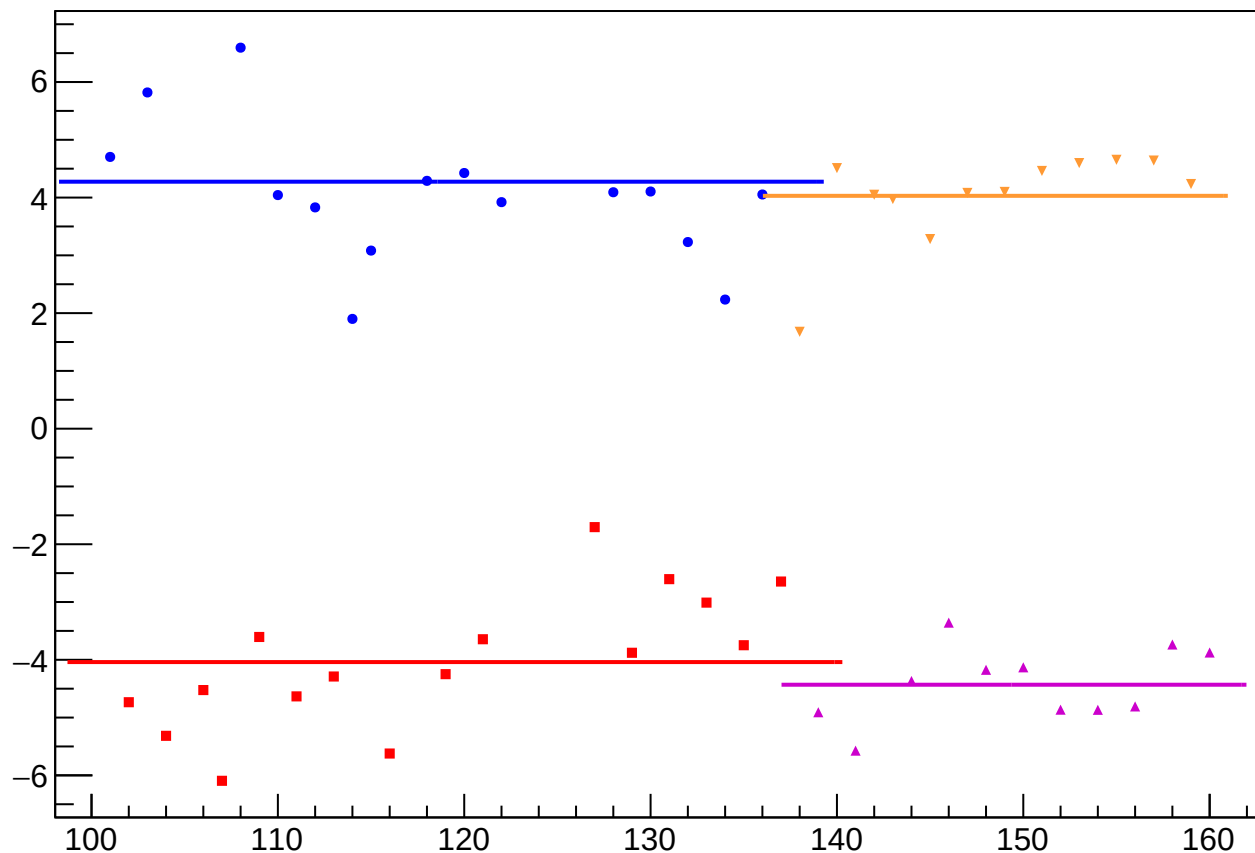
χ^2/NDF : 1718408465884

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



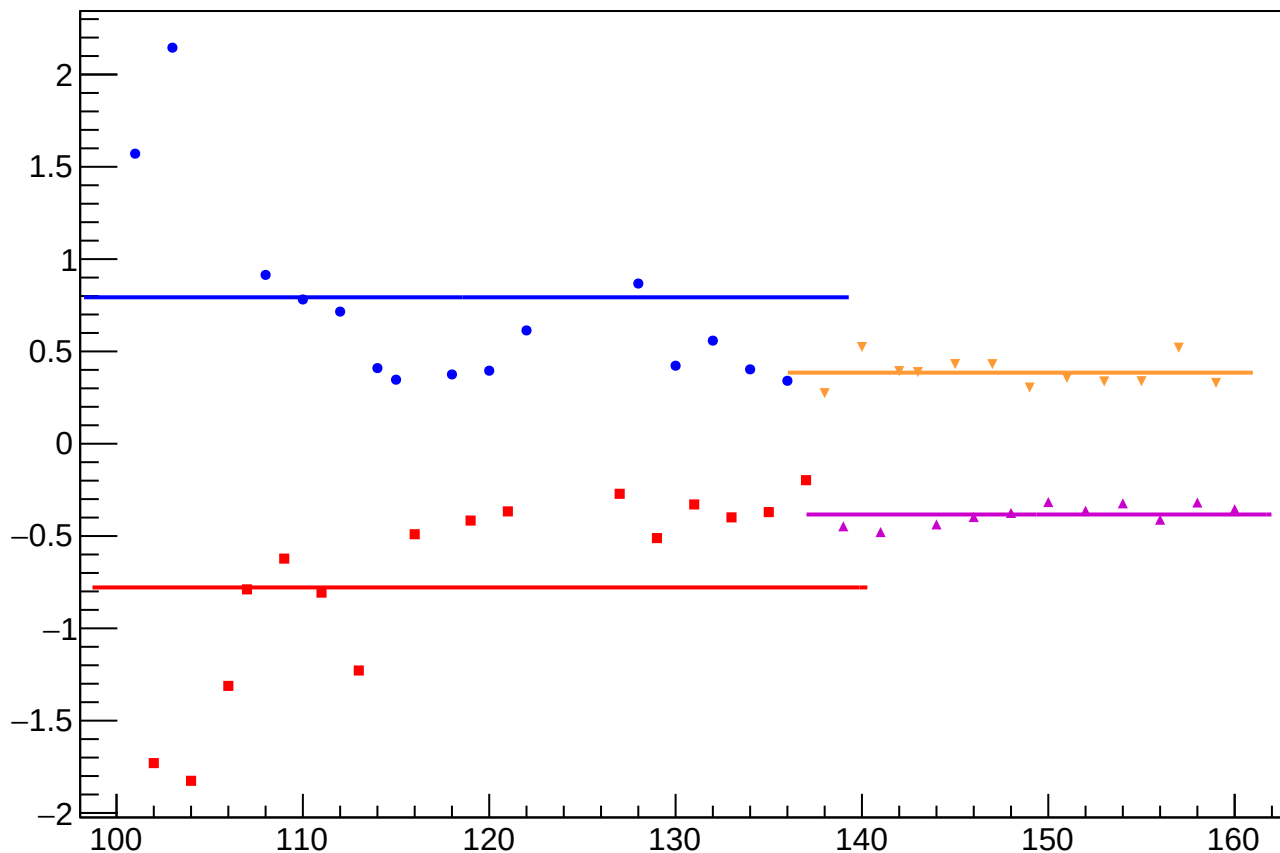
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4eY_coil3_mean vs Slug, Sign Corrected



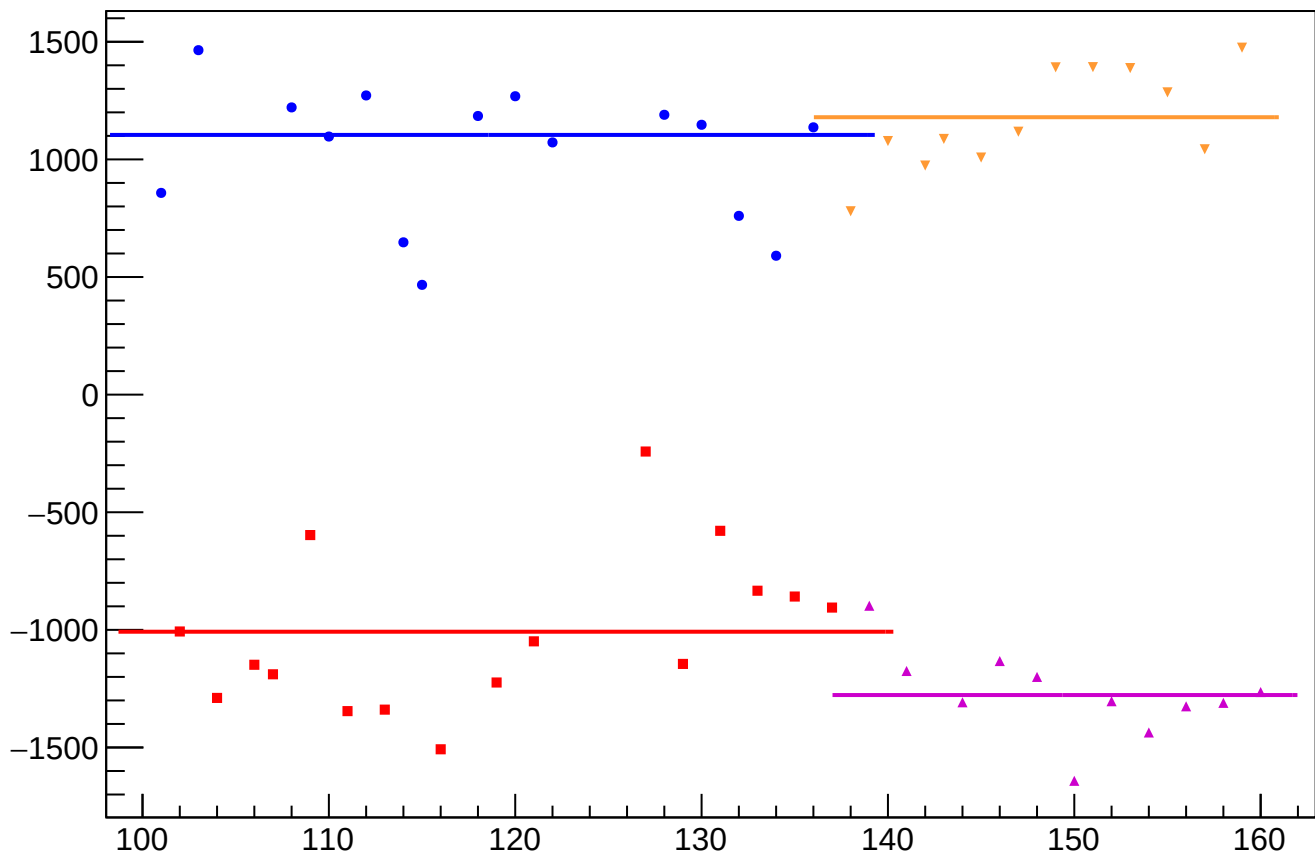
Right In: 4.275+/-0.000	χ^2/NDF : 597188707898198851792415435522048.0/14	Left: -0.224+/-0.000	χ^2/NDF : 33846784910567174
Left Out: 4.030+/-0.000	χ^2/NDF : 600797720921367466879695481470976.0/11	Right: 0.061+/-0.000	χ^2/NDF : 24108117163015416
Right Out: -4.039+/-0.000	χ^2/NDF : 772368848194464324973108765130752.0/15	In: -0.839+/-0.000	χ^2/NDF : 298405306819524431
Left In: -4.432+/-0.000	χ^2/NDF : 345602703191245770554210363899904.0/10	Out: 0.626+/-0.000	χ^2/NDF : 264837106487294890
		All: -0.105+/-0.000	χ^2/NDF : 5801697378090

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



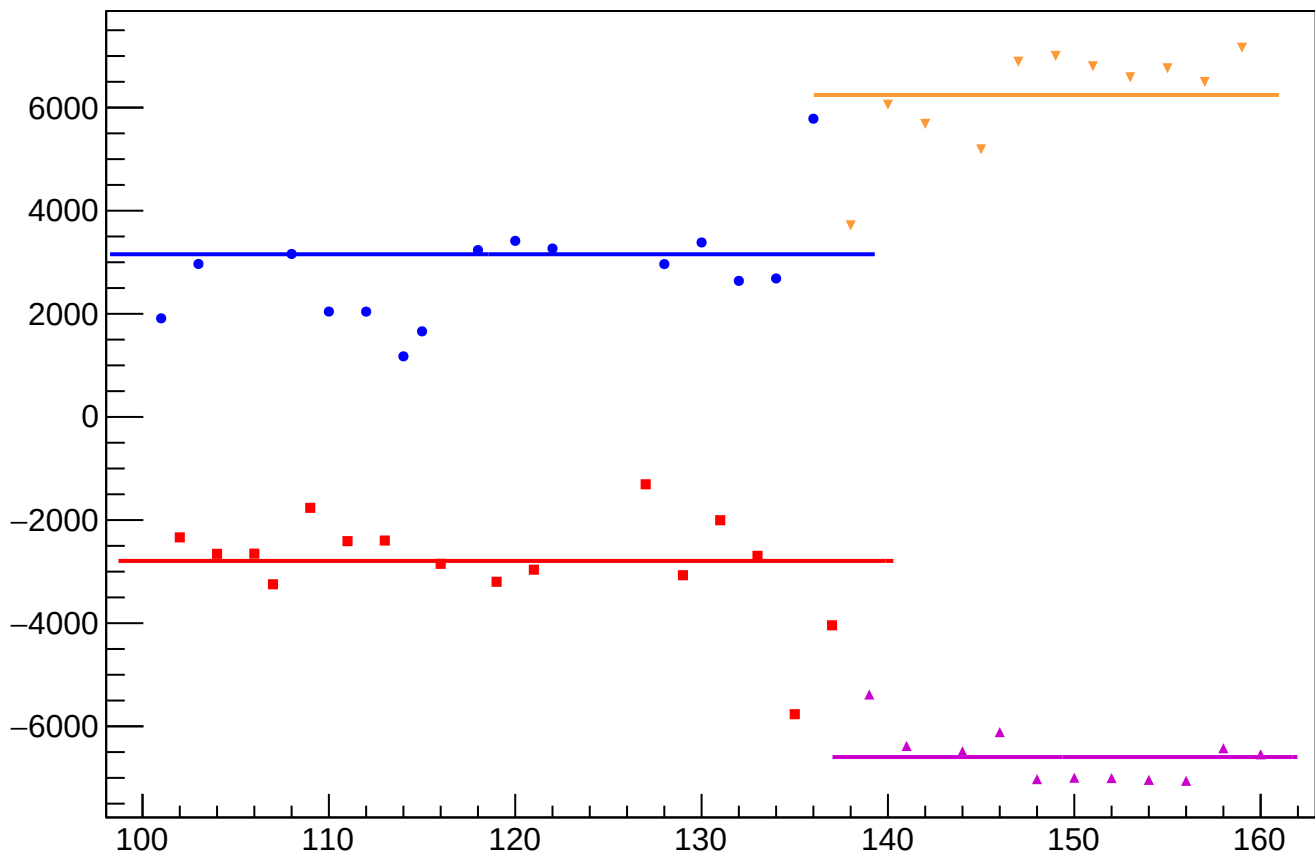
Right In: 0.793 ± 0.000 $\chi^2/\text{NDF}: 195508777173589483440314700005376.0/14$
 Left Out: 0.385 ± 0.000 $\chi^2/\text{NDF}: 5547784180240414411423653822464.0/11$
 Right Out: -0.778 ± 0.000 $\chi^2/\text{NDF}: 185814635772183306063903690063872.0/15$
 Left In: -0.383 ± 0.000 $\chi^2/\text{NDF}: 2618375268437967875049691021312.0/10$
 All: -0.002 ± 0.000 $\chi^2/\text{NDF}: 1473239916142$

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



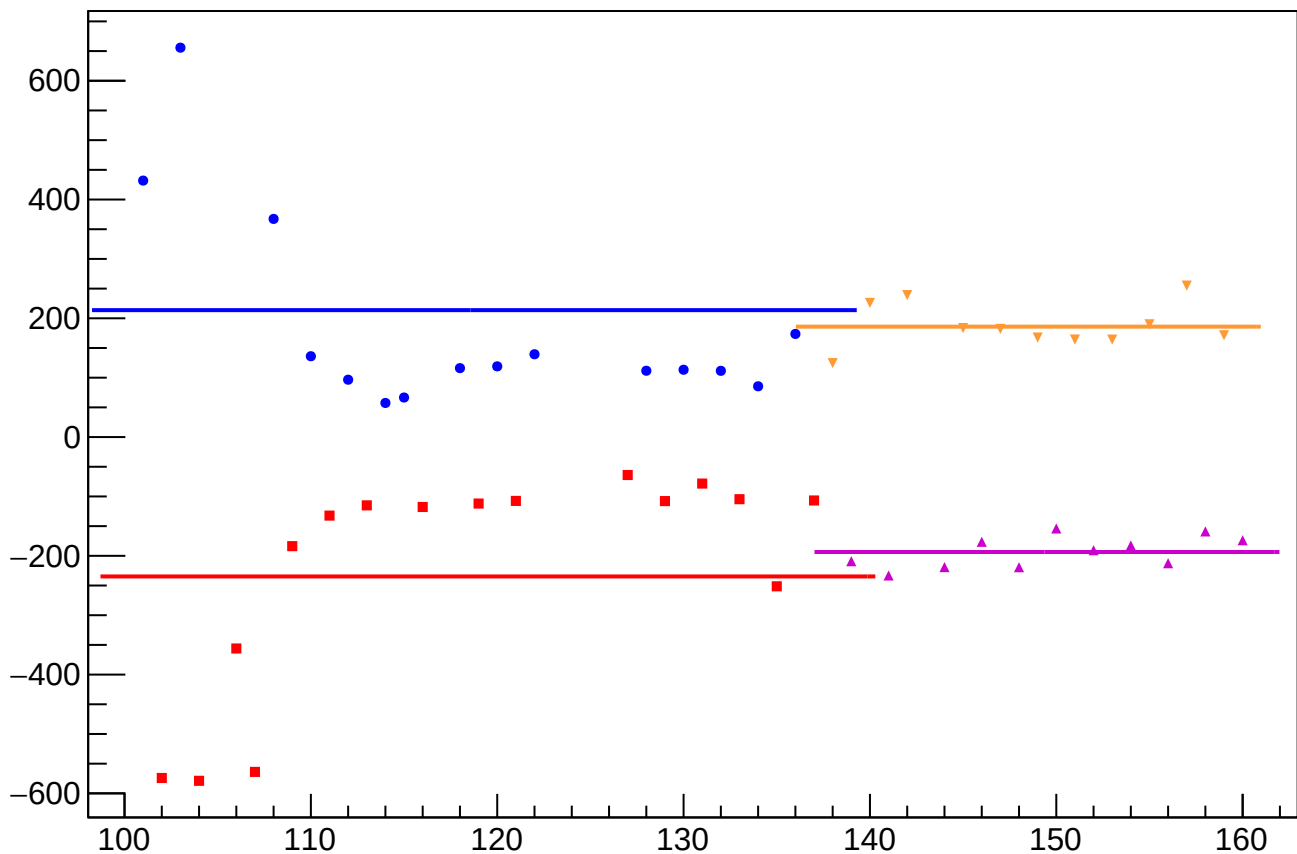
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_usl_coil3_mean vs Slug, Sign Corrected



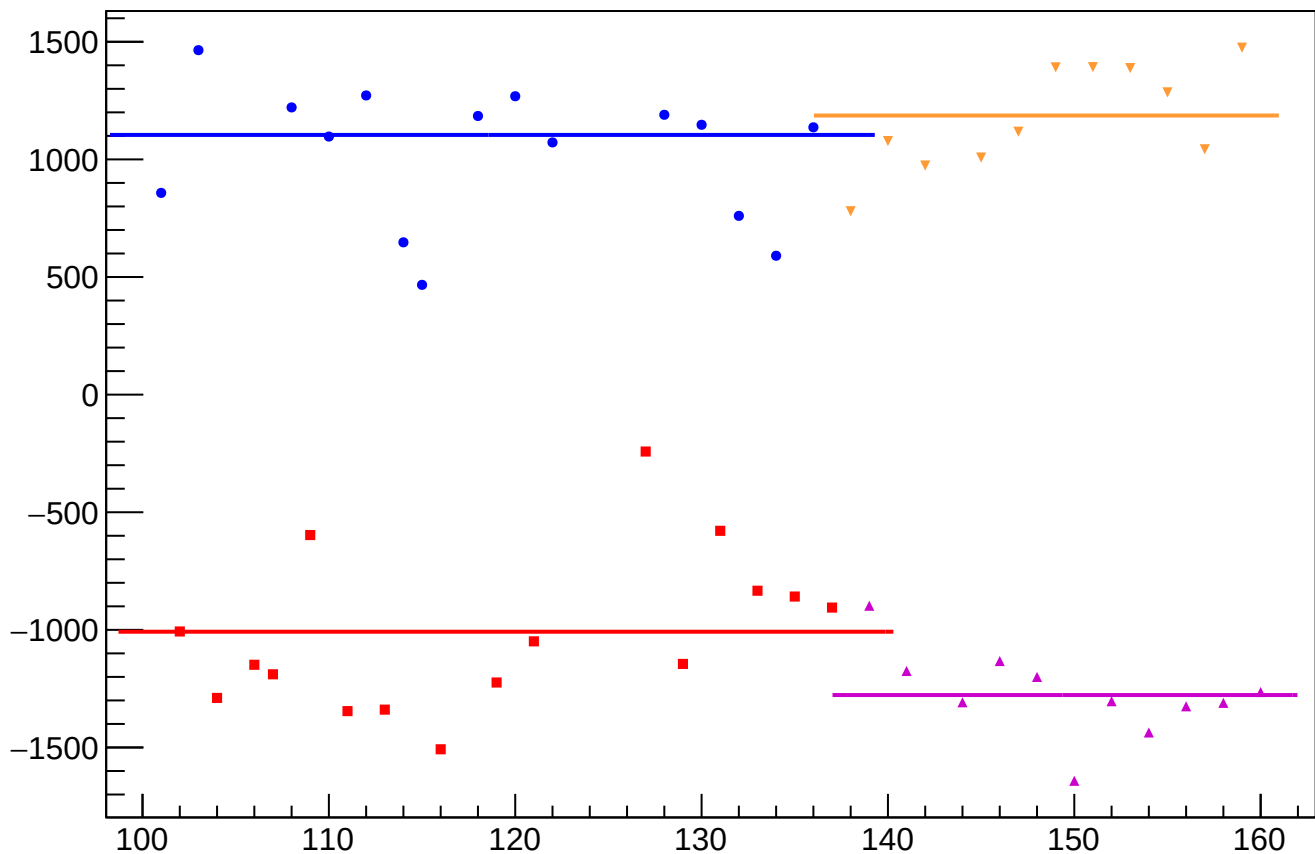
Right In: 3155.434+/-0.000 χ^2/NDF : 903550534773622902110918214033612996608.0/14
 Left Out: 6243.976+/-0.000 χ^2/NDF : 811230786168378302780139165688711348224.0/10
 Right Out: -2792.245+/-0.000 χ^2/NDF : 674635749324173001973264427530986717184.0/15
 Left In: -6595.861+/-0.000 χ^2/NDF : 225164805715400368671043826745864093696.0/10
 All: -200.997+/-0.000 χ^2/NDF : 87373315799

dit_usl_coil3_err_mean vs Slug, Sign Corrected



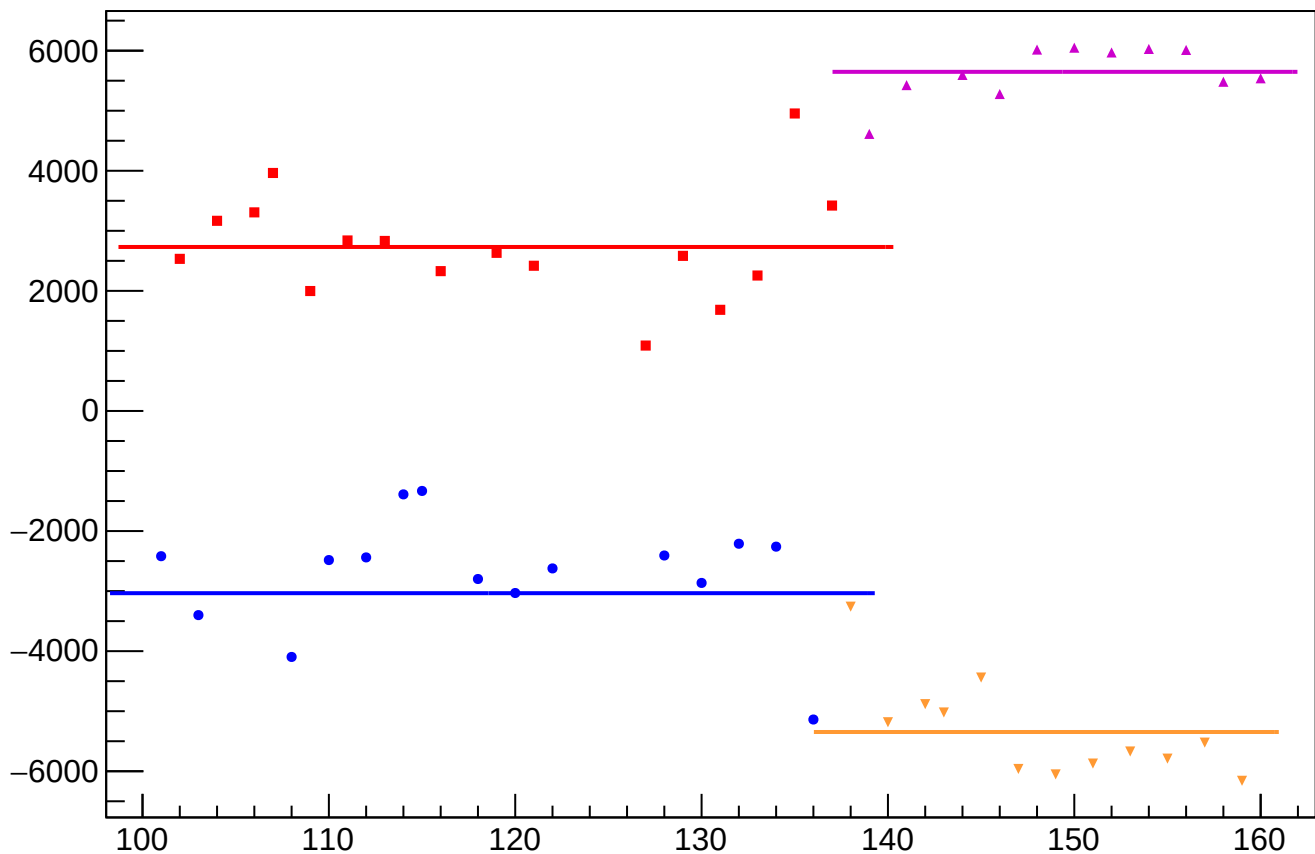
Right In: 213.739+/-0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Left Out: 185.948+/-0.000 χ^2/NDF : 1057706607595767583587974846640816128.0/10
 Right Out: -234.712+/-0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Left In: -193.543+/-0.000 χ^2/NDF : 598931150644293332680217057881489408.0/10
 All: -12.690+/-0.000 χ^2/NDF : 175183232937

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1186.635+/-0.000 χ^2/NDF : 38127290182419373090636614603236179968.0/10
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -42.327+/-0.000 χ^2/NDF : 433243619432

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527+/-0.000

Left Out: -5346.287+/-0.000

Right Out: 2731.035+/-0.000

Left In: 5647.632+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 595830455774800553383002095782337708032.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 164214312908035645215126356935491715072.0/10

Left: 180.580+/-0.000 χ^2/NDF : 5629644567862069

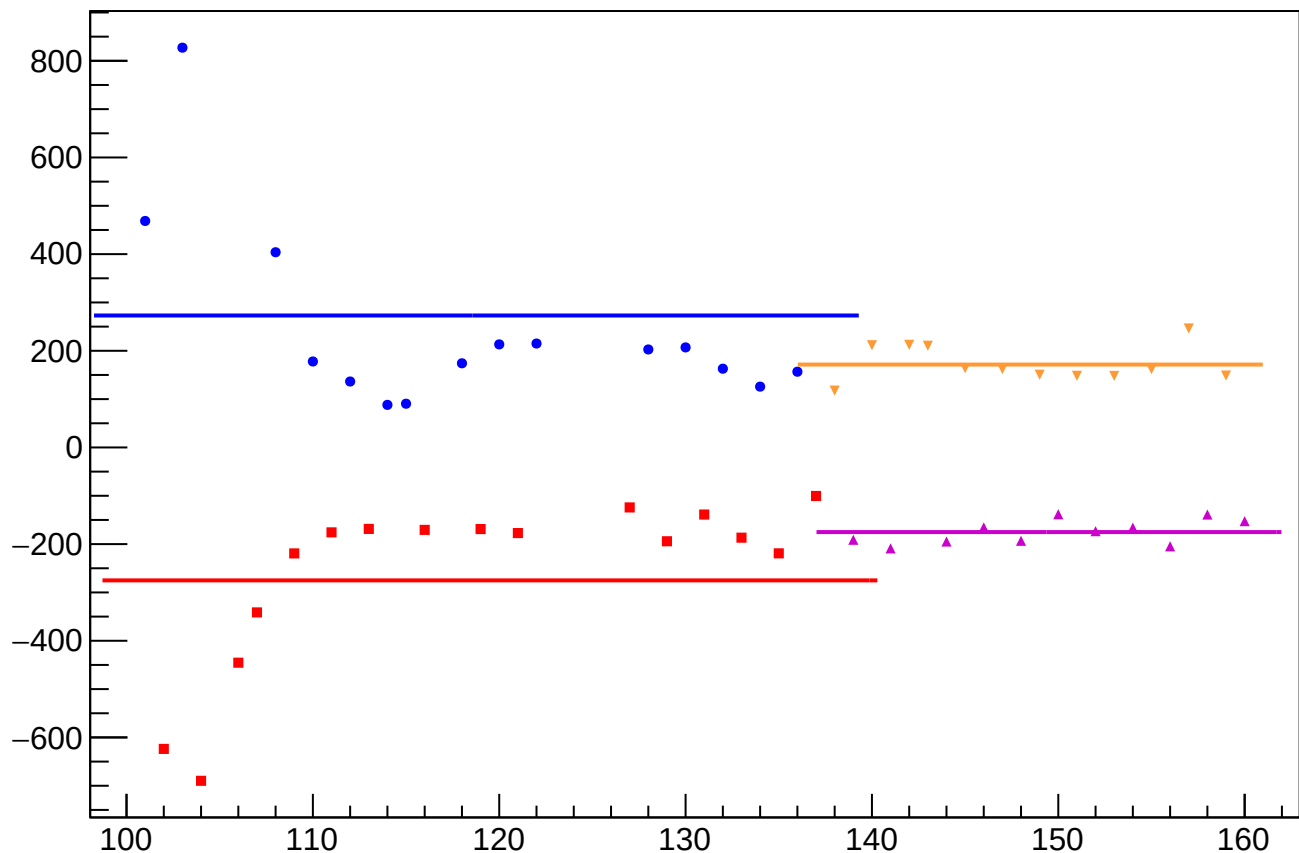
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 2065.482+/-0.000 χ^2/NDF : 2953204271382502

Out: -1938.587+/-0.000 χ^2/NDF : 26282051967126

All: 58.370+/-0.000 χ^2/NDF : 6845569684778

dit_usr_coil3_err_mean vs Slug, Sign Corrected



Right In: 273.039+/-0.000

χ^2/NDF : 26485935053341175092913795212184125440.0/14

Left Out: 171.517+/-0.000

χ^2/NDF : 1162204446124418452265763444206075904.0/11

Right Out: -275.044+/-0.000

χ^2/NDF : 22264760088752901792561892991657050112.0/15

Left In: -175.100+/-0.000

χ^2/NDF : 532319905760316522814470909096624128.0/10

Left: -2.734+/-0.000 χ^2/NDF : 56898976586589757

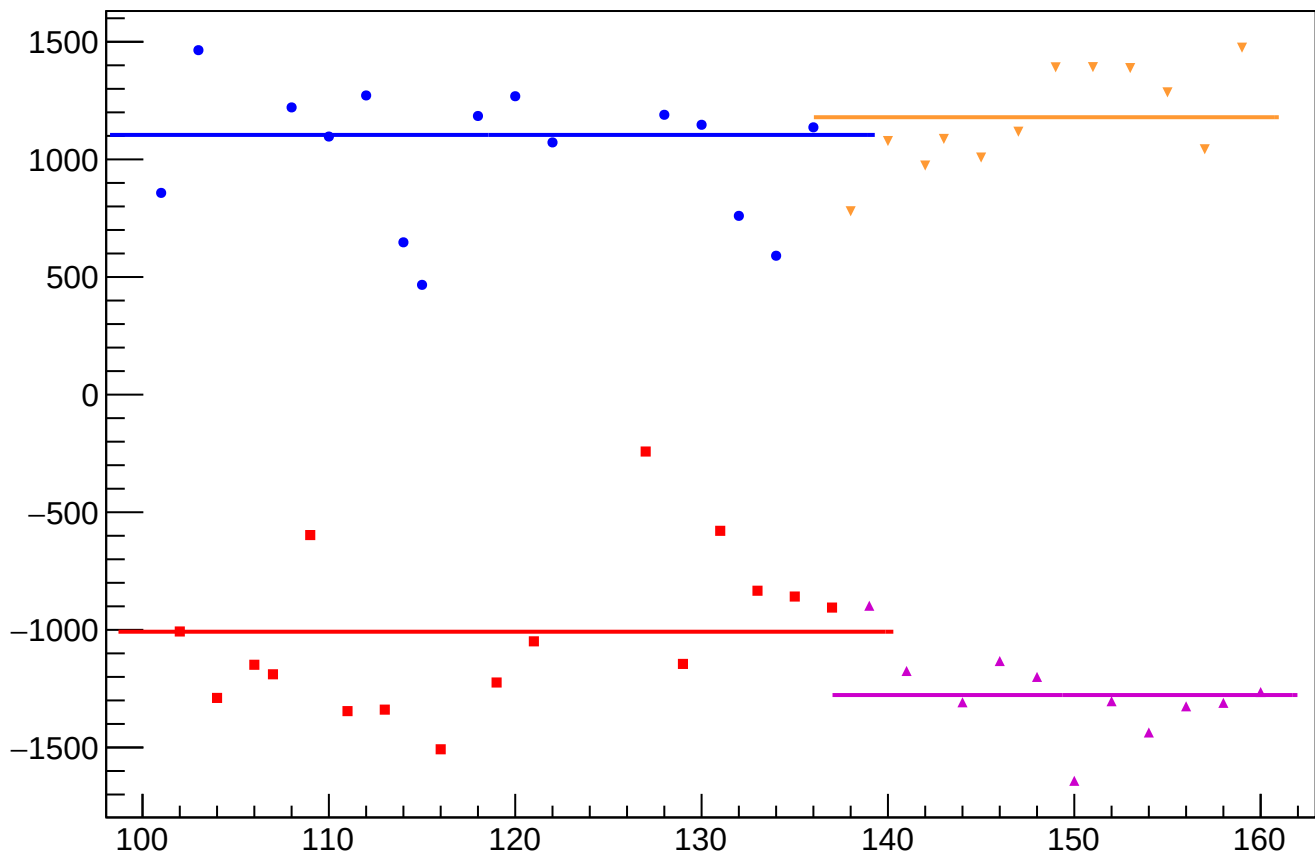
Right: -4.751+/-0.000 χ^2/NDF : 1475618476041152

In: 9.796+/-0.000 χ^2/NDF : 1035802601602277092

Out: -16.880+/-0.000 χ^2/NDF : 1003225780915381

All: -3.576+/-0.000 χ^2/NDF : 2044639421545

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-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

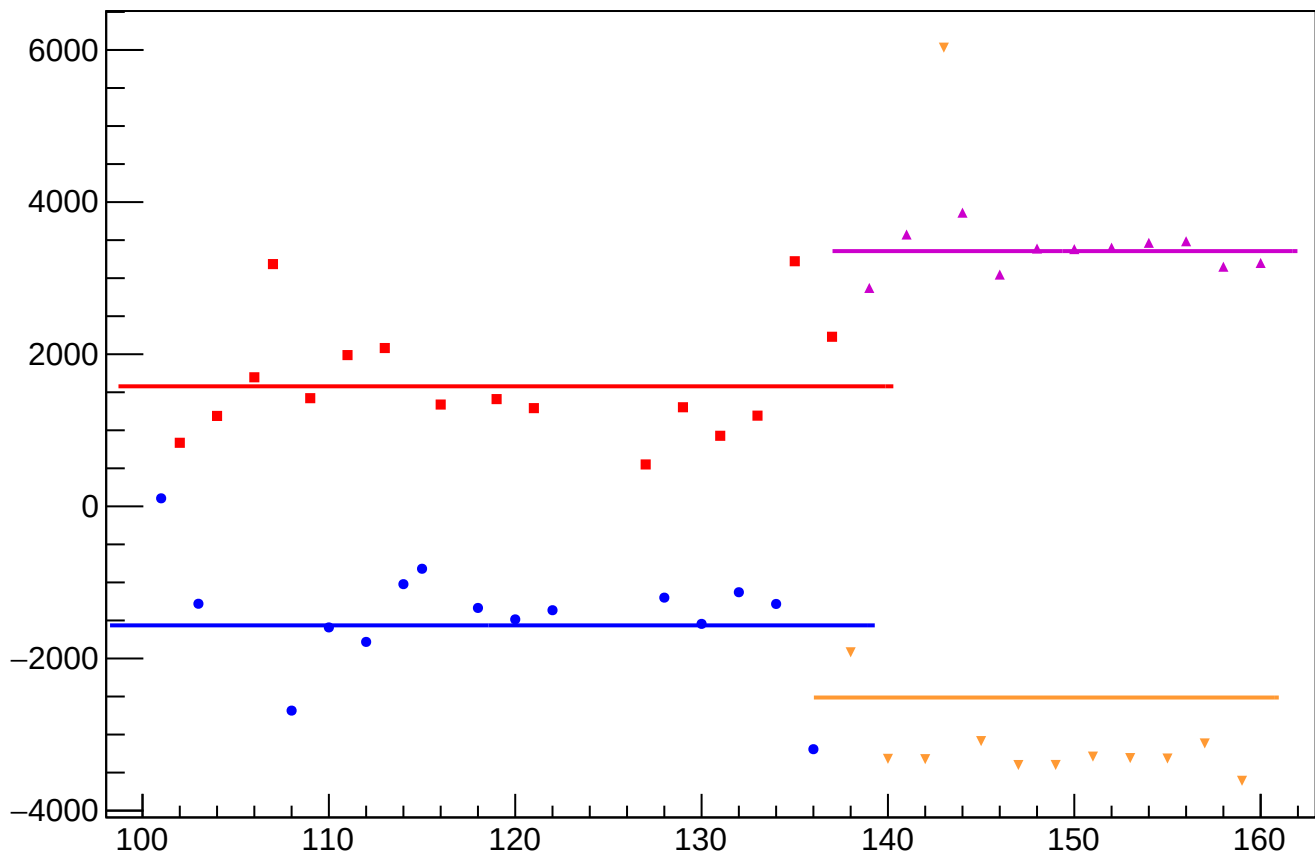
χ^2/NDF : 69077878009873965622695939627477368832.0/15

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

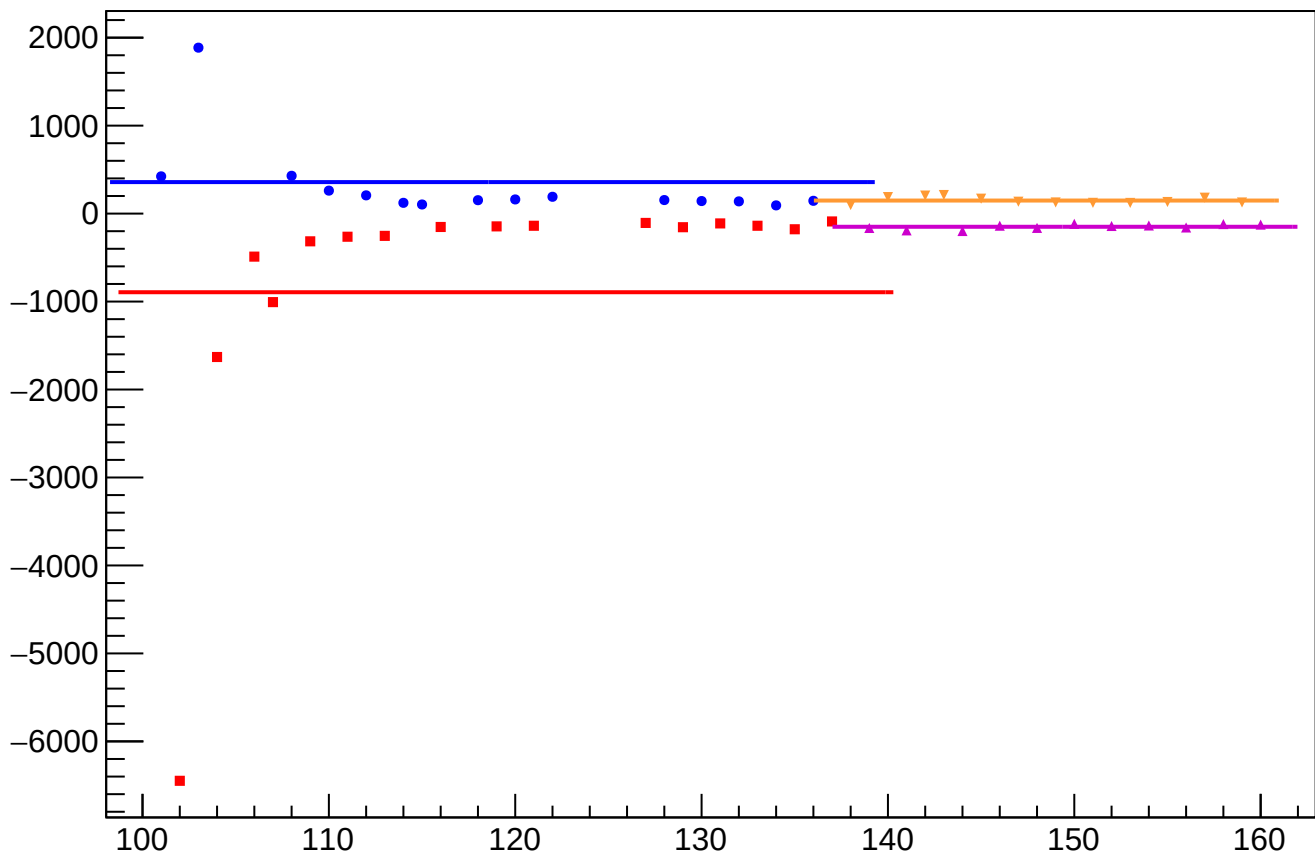
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

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

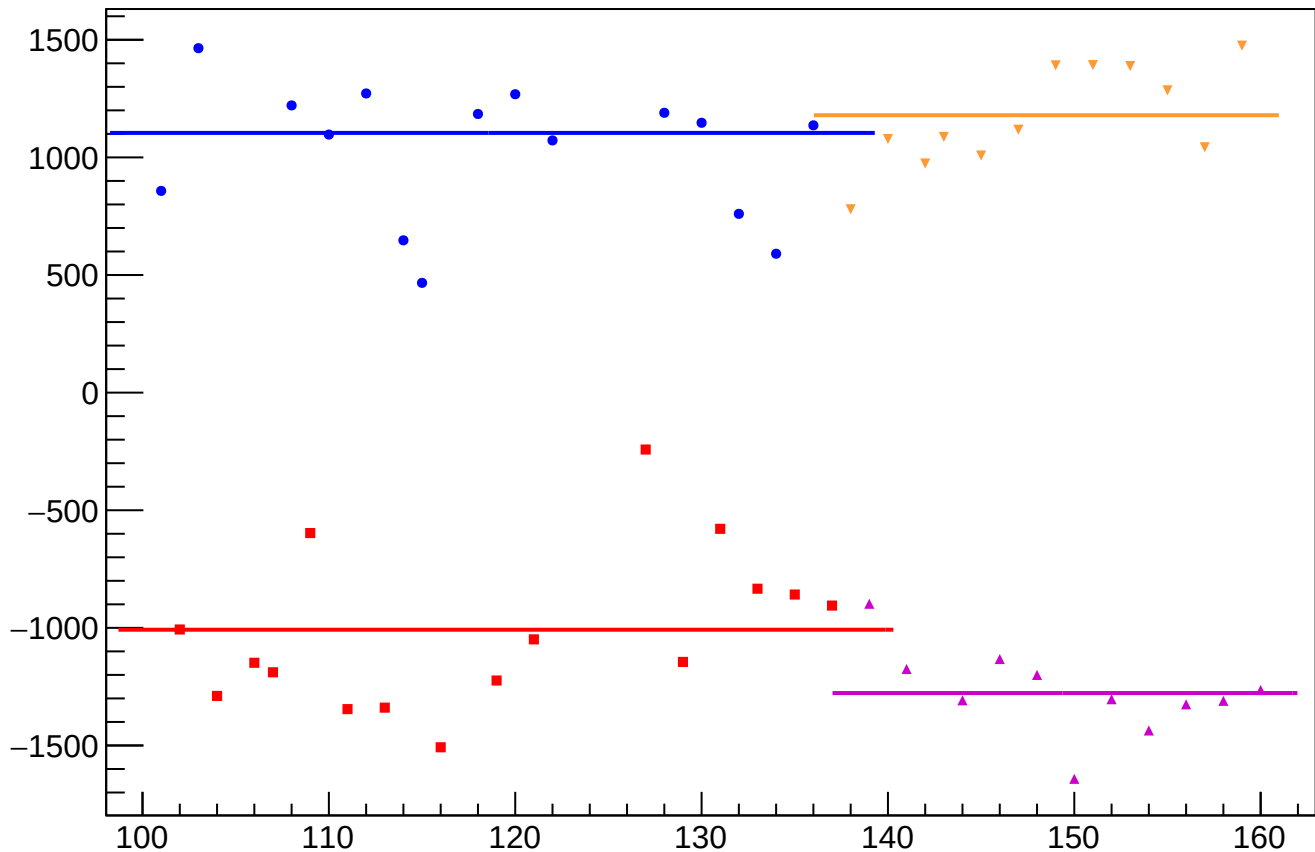
χ^2/NDF : 2075920155774201043572695656797803905024.0/15

Left In: -149.829+/-0.000

χ^2/NDF : 645756718172892804384604635004928000.0/10

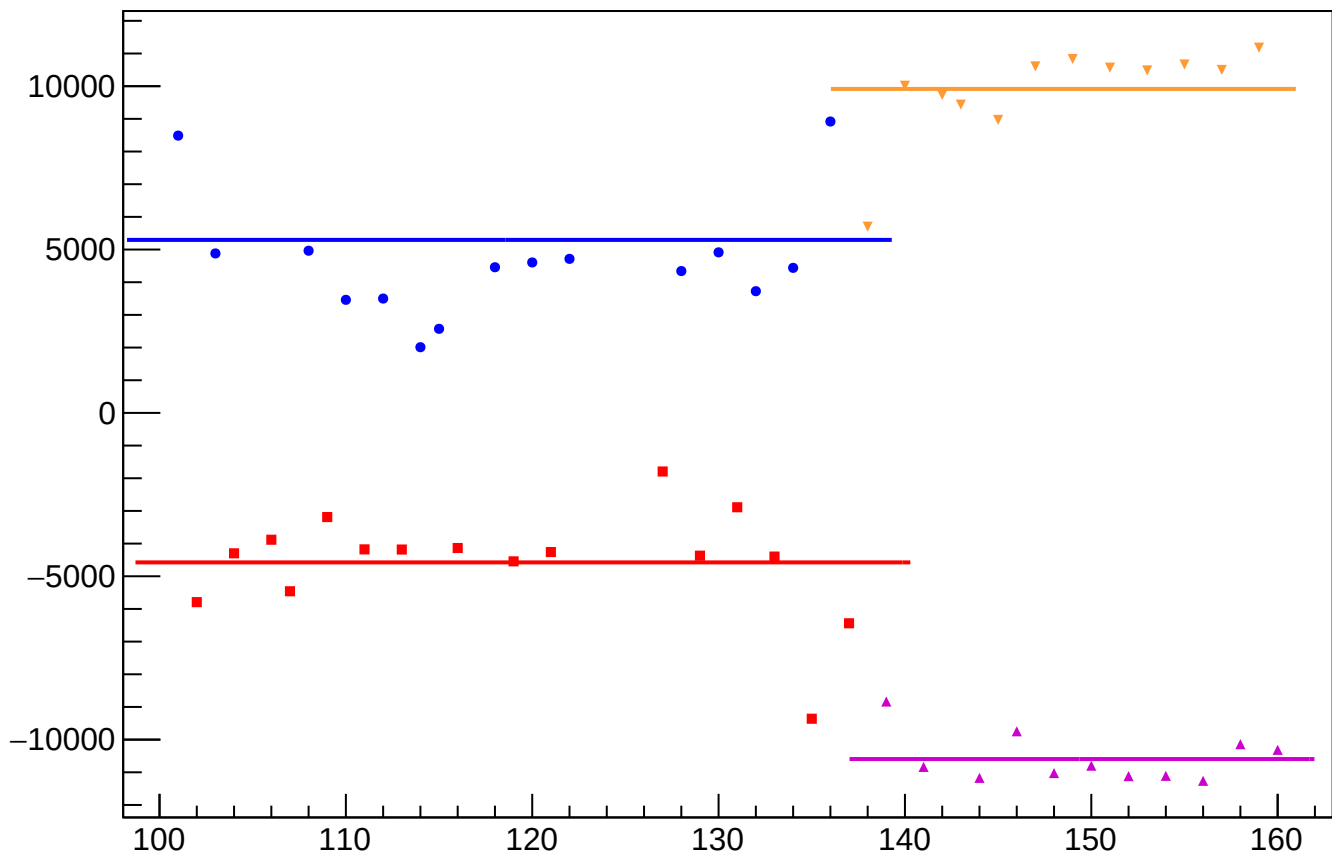
All: -116.258+/-0.000 χ^2/NDF : 28499930865

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



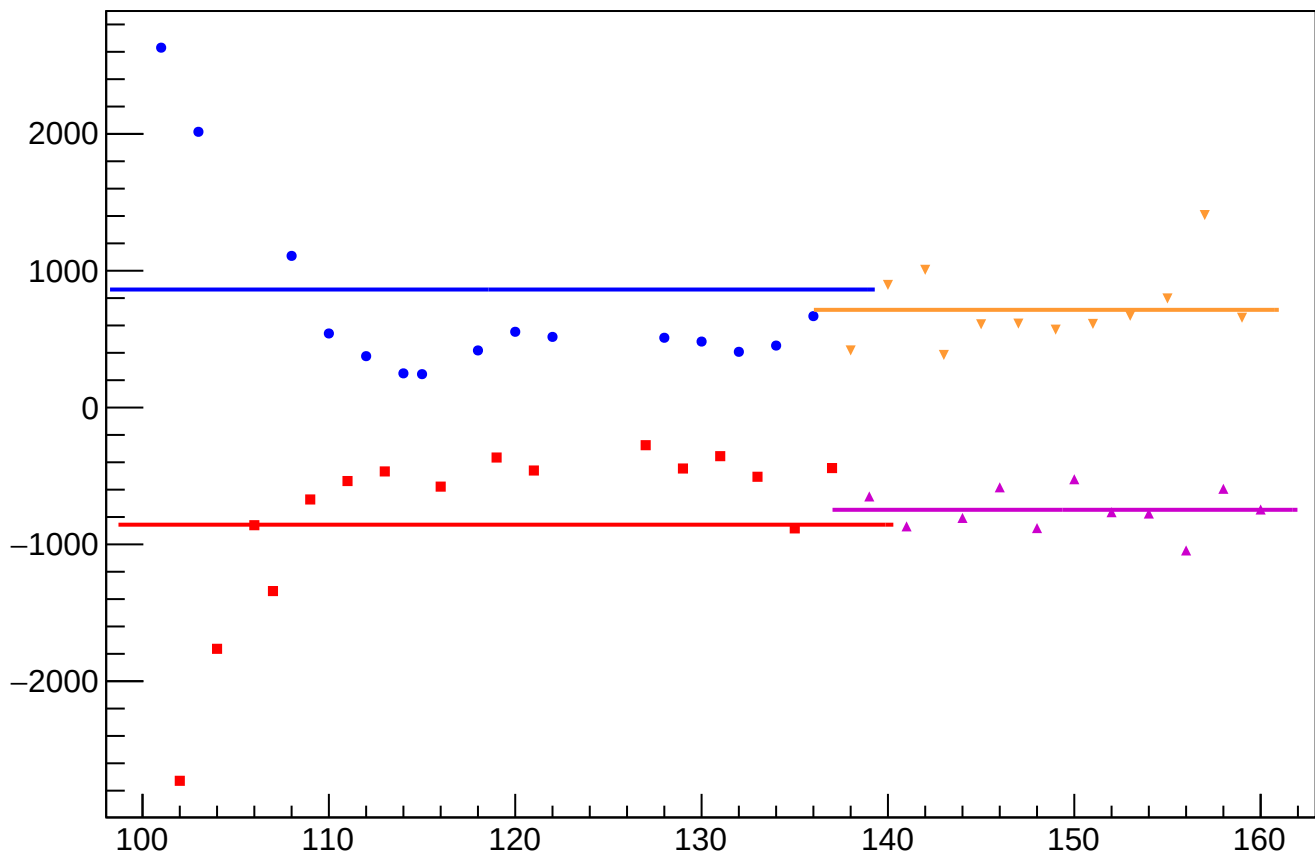
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 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

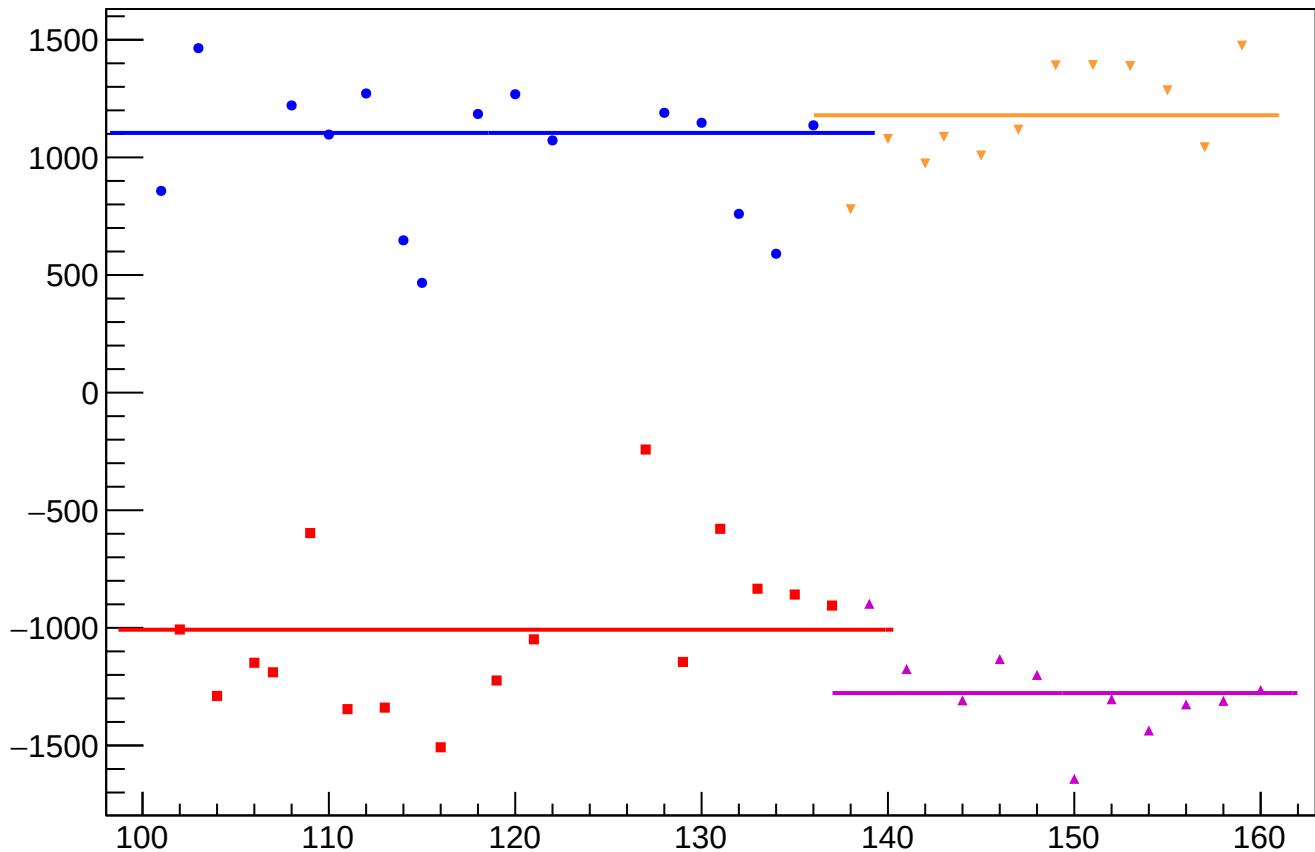
Right: -8.442+/-0.000 χ^2/NDF : 1636587396882894

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+/-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

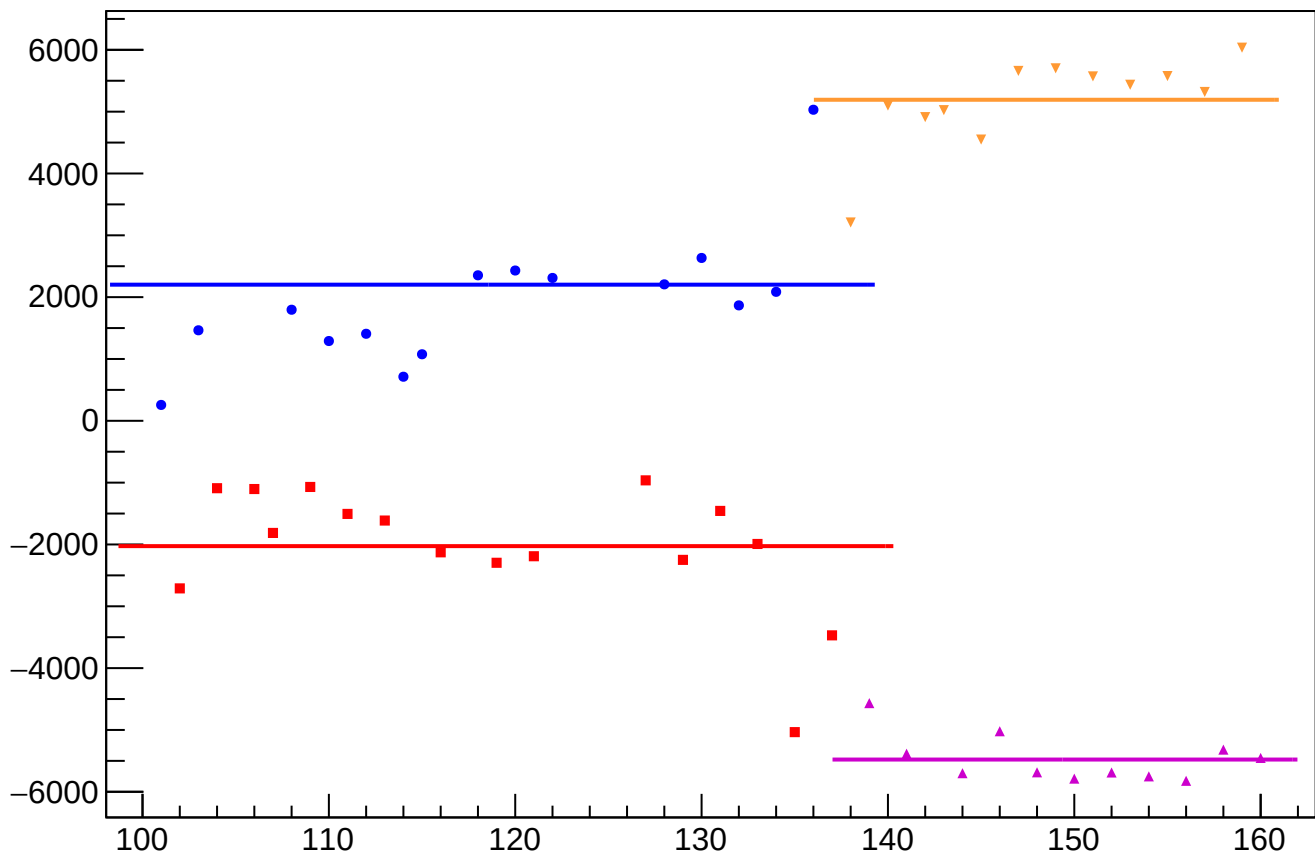
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_atr1_coil3_mean vs Slug, Sign Corrected



Right In: 2201.844+/-0.000

χ^2/NDF : 1086544775216266395419904724422998622208.0/14

Left Out: 5192.476+/-0.000

χ^2/NDF : 470317118435532937200148346508624789504.0/11

Right Out: -2026.969+/-0.000

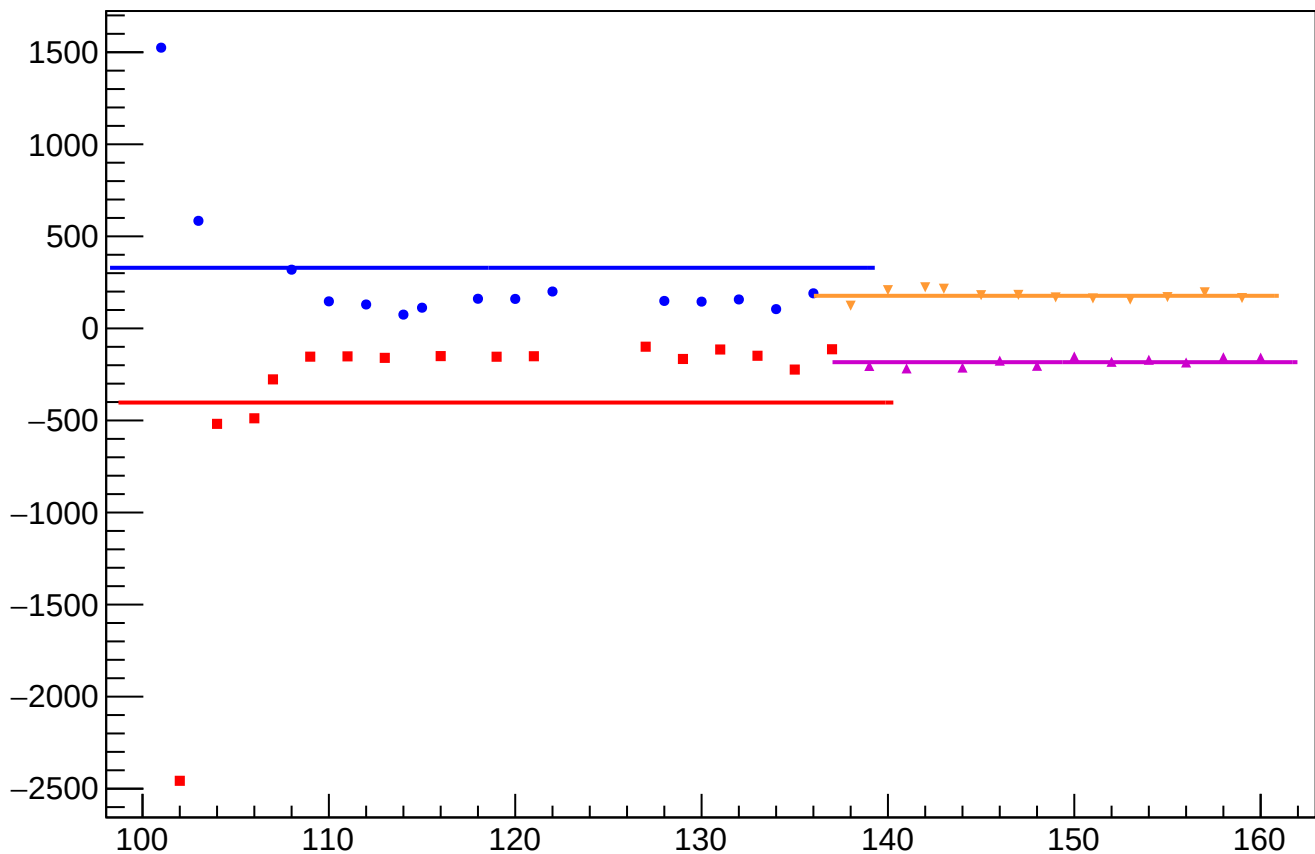
χ^2/NDF : 708626456603410705124518299956645199872.0/15

Left In: -5478.713+/-0.000

χ^2/NDF : 124186054771424011873849346802583601152.0/10

Left: -172.148+/-0.000 χ^2/NDF : 529181779614152
 Right: 58.517+/-0.000 χ^2/NDF : 7677530711207331
 In: -2309.812+/-0.000 χ^2/NDF : 236998936360445
 Out: 2146.701+/-0.000 χ^2/NDF : 212767096674295
 All: -75.903+/-0.000 χ^2/NDF : 606365125250

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229+/-0.000

χ^2/NDF : 103285029091922742033837903437132464128.0/14

Left Out: 177.101+/-0.000

χ^2/NDF : 604256347376555065664943941601984512.0/11

Right Out: -402.690+/-0.000

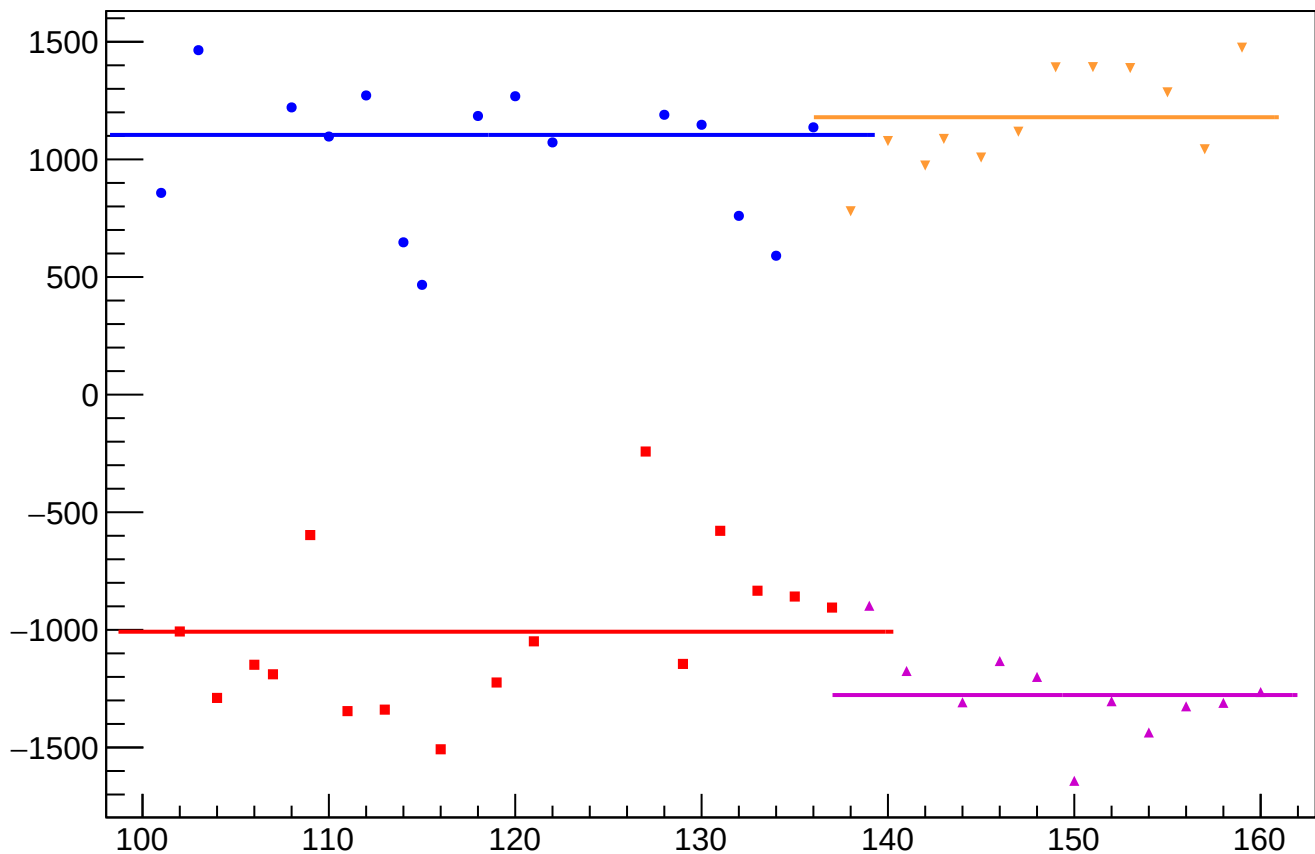
χ^2/NDF : 277636056793293374242116053515003494400.0/15

Left In: -183.411+/-0.000

χ^2/NDF : 452789814018275751637875535657304064.0/10

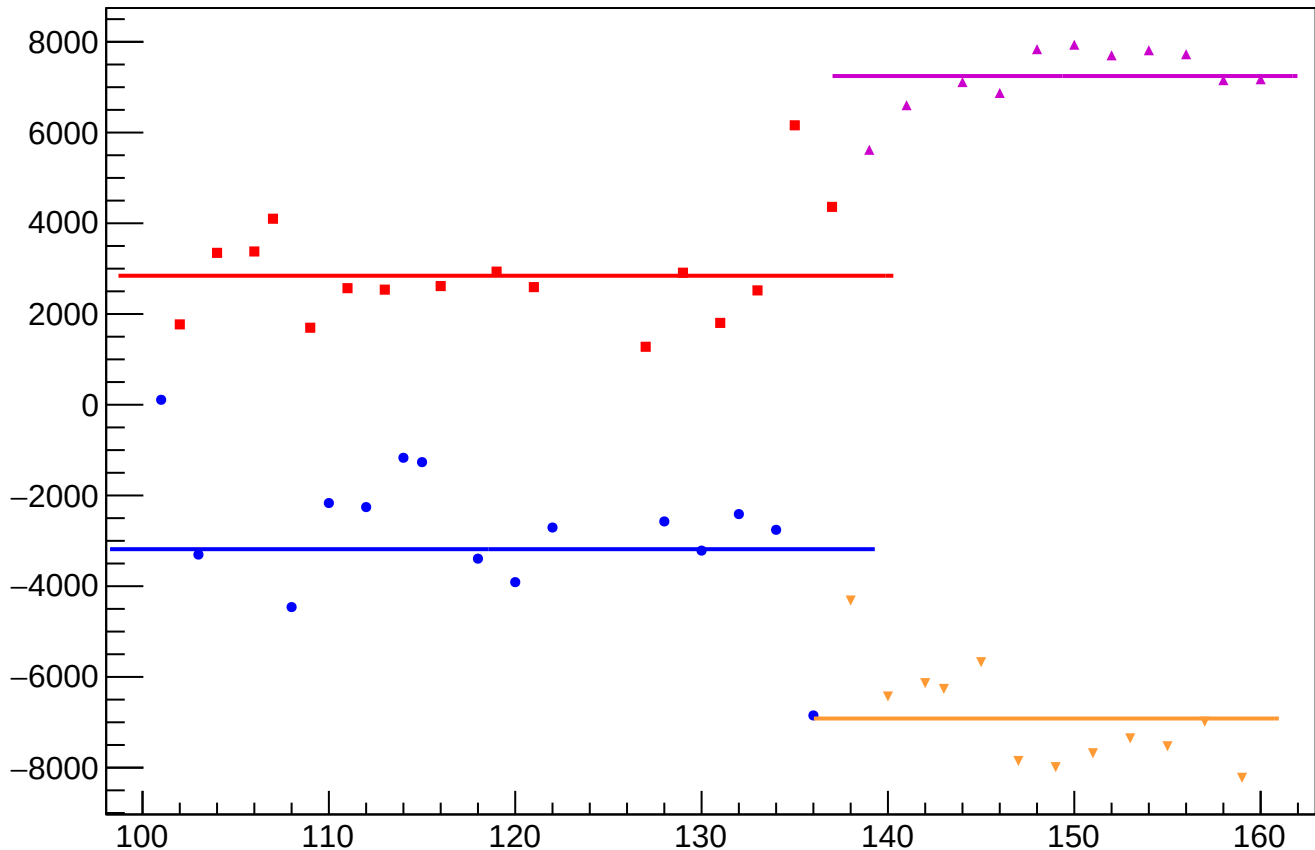
All: -19.824+/-0.000 χ^2/NDF : 618995356861

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6916.269+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1116807093678978049721043579861444067328.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.352+/-0.000 χ^2/NDF : 9367664182142015

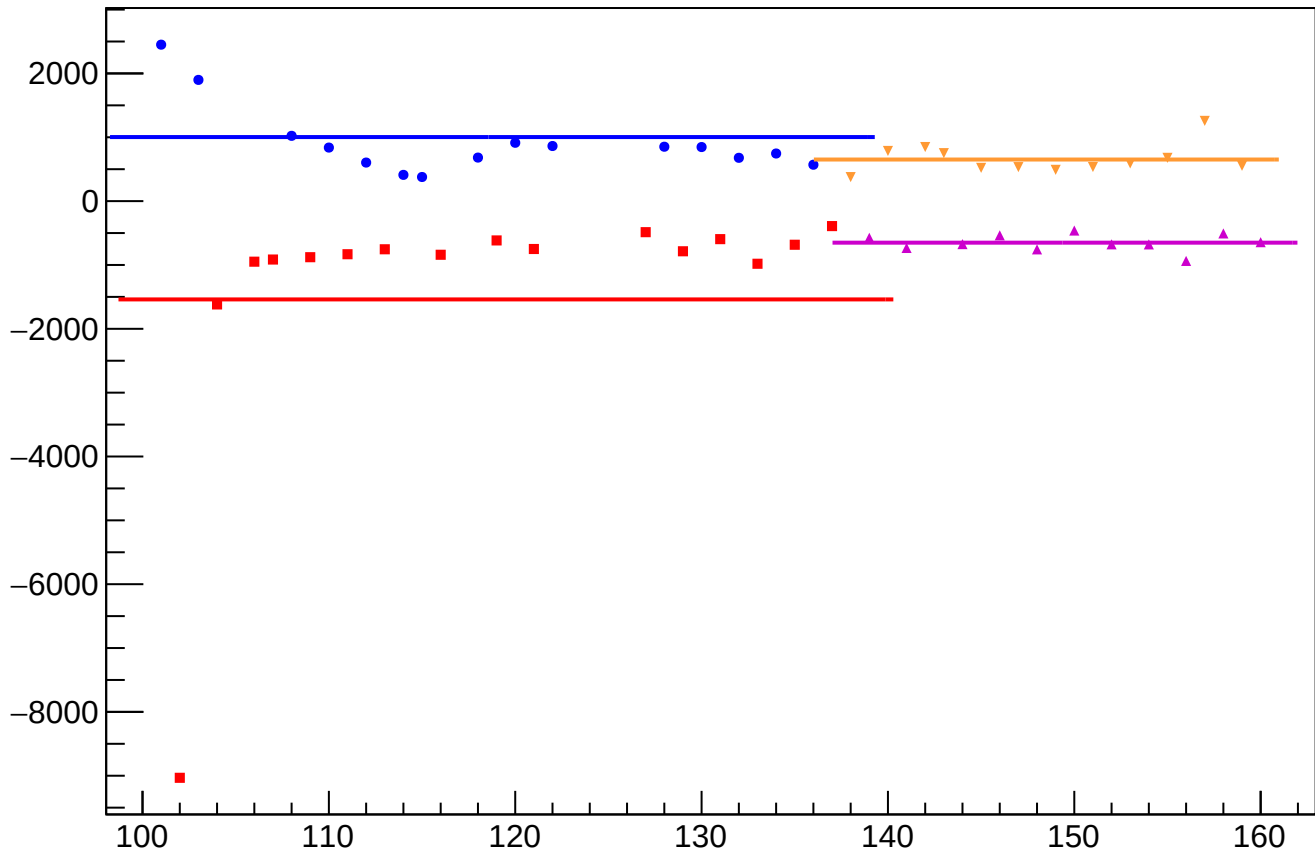
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 440076230139336

Out: -2798.729+/-0.000 χ^2/NDF : 38794467171221

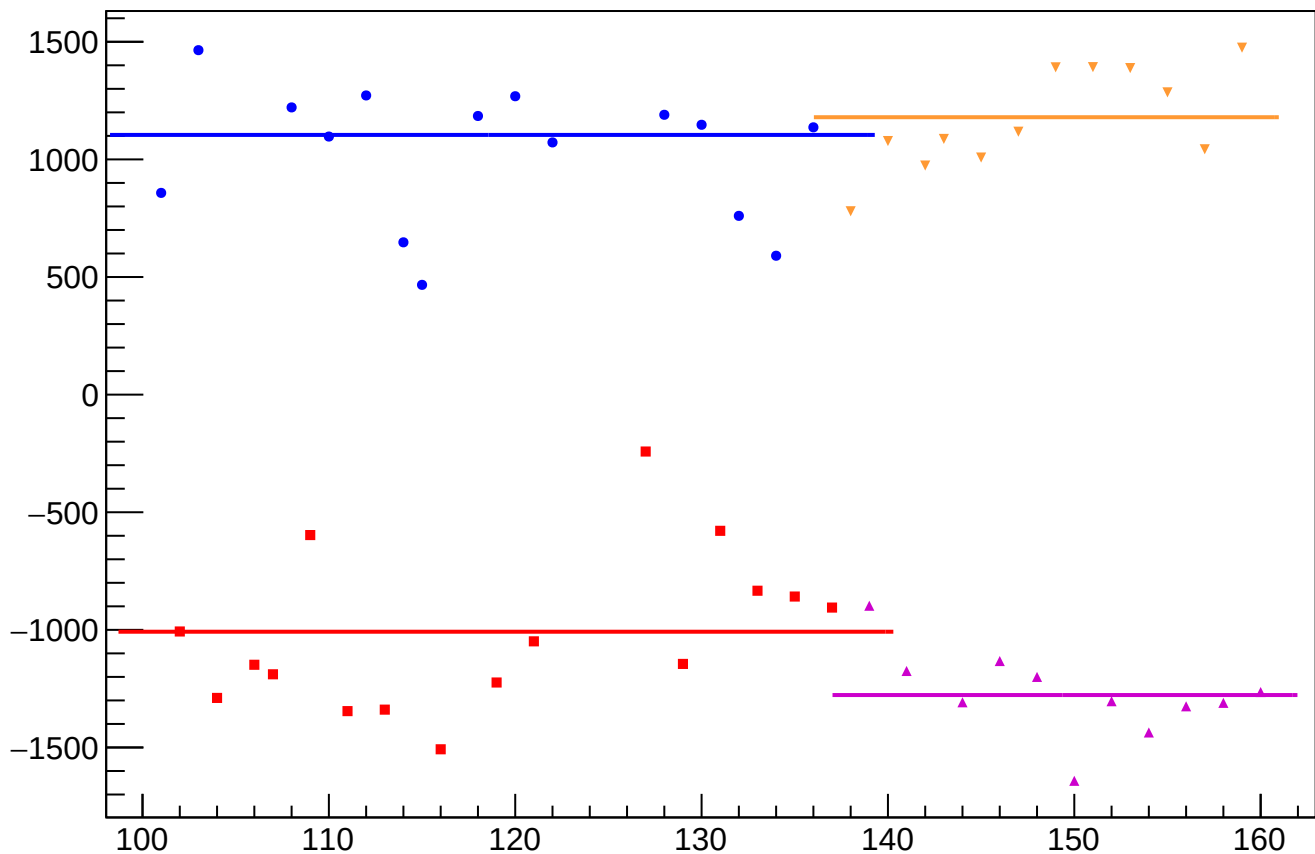
All: 64.702+/-0.000 χ^2/NDF : 1087940046919

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



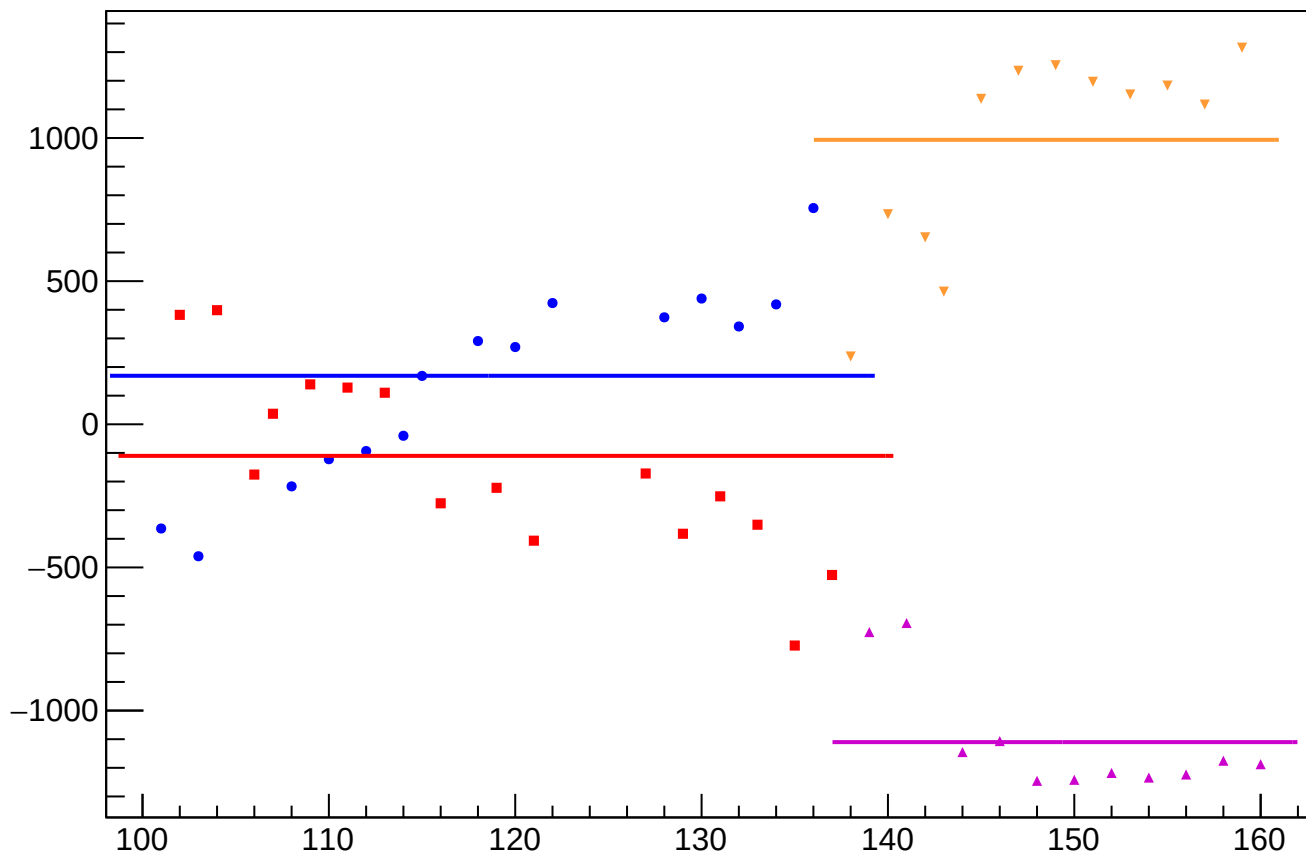
Left: -3.137 ± 0.000 $\chi^2/\text{NDF}: 83969979485831992$
 Right In: 1003.407 ± 0.000 $\chi^2/\text{NDF}: 219815257294811198811064619822196195328.0/14$
 Right: -285.472 ± 0.000 $\chi^2/\text{NDF}: 59617429830759$
 Left Out: 651.582 ± 0.000 $\chi^2/\text{NDF}: 45579416700188389340899783793497341952.0/11$
 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: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000	χ^2/NDF : 441608022845	

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489 +/- 0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 993.680 +/- 0.000

χ^2/NDF : 103871744093271862136270527542037839872.0/11

Right Out: -110.289 +/- 0.000

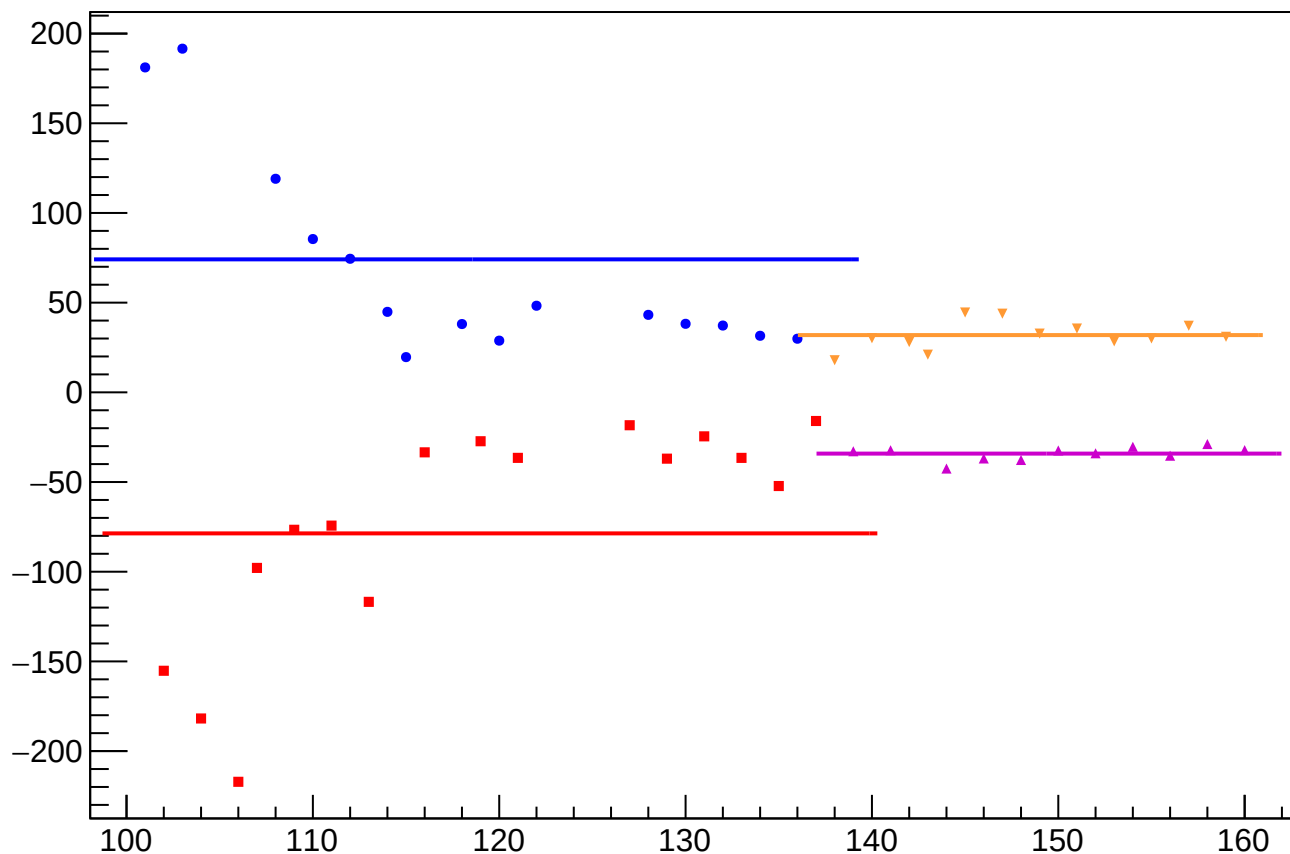
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1110.204 +/- 0.000

χ^2/NDF : 34078671675207101758695575343264169984.0/10

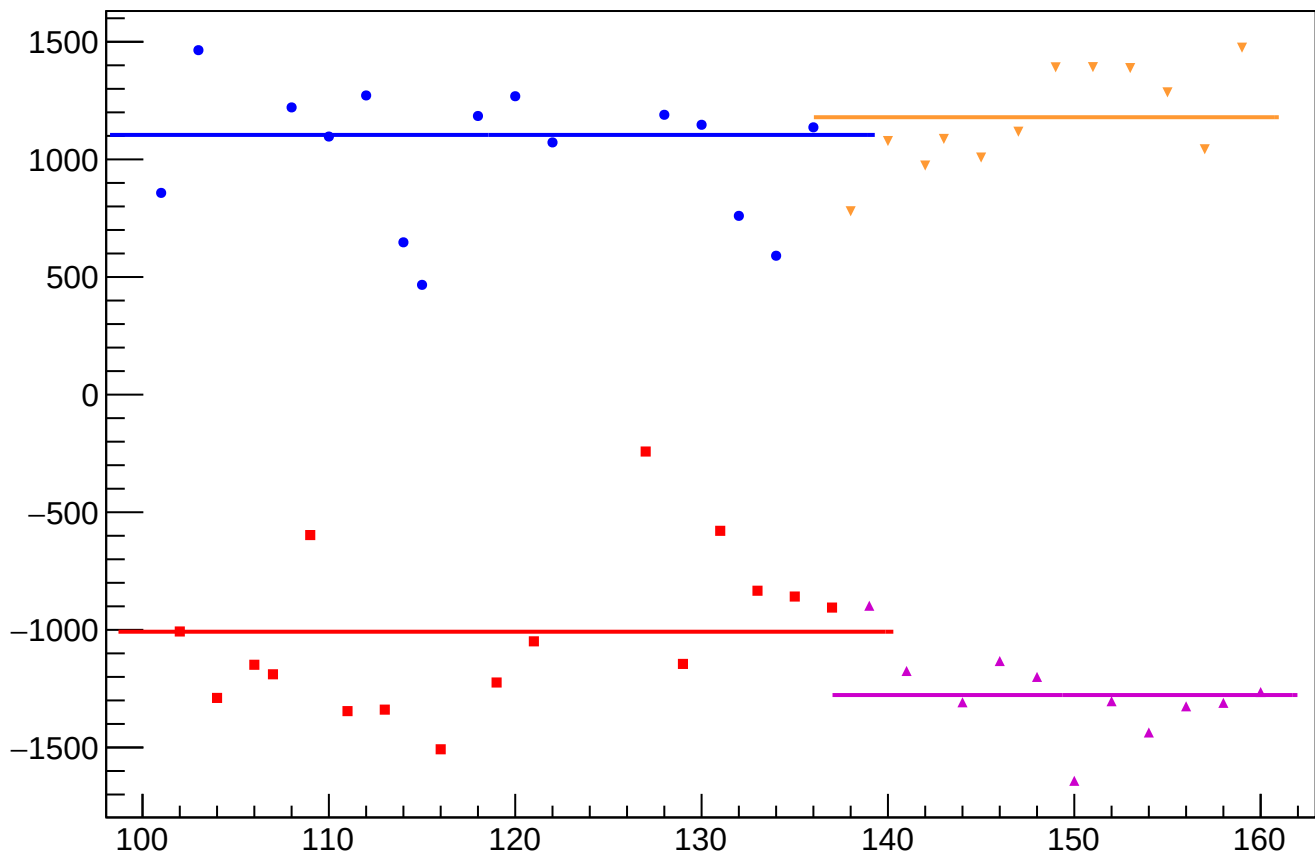
All: -25.735 +/- 0.000 χ^2/NDF : 237118807737

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



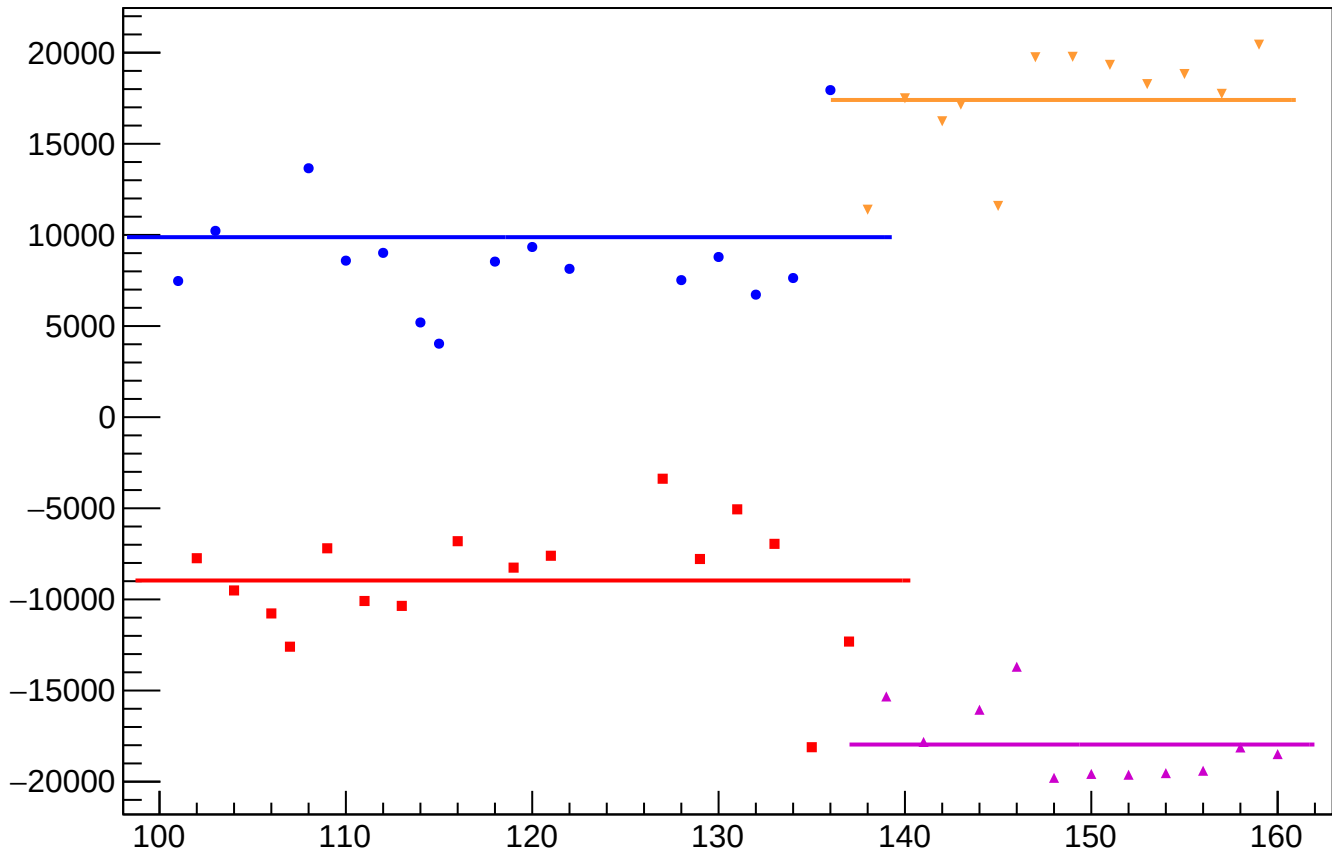
Right In: 74.129+/-0.000 χ^2/NDF : 2168375717401207322620658258081218560.0/14
 Left Out: 31.916+/-0.000 χ^2/NDF : 52391134971476446801164737802403840.0/11
 Right Out: -78.633+/-0.000 χ^2/NDF : 2343230336879830638767678903539466240.0/15
 Left In: -34.158+/-0.000 χ^2/NDF : 12535781757096828038064244290224128.0/10
 All: -2.134+/-0.000 χ^2/NDF : 1426173775487

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



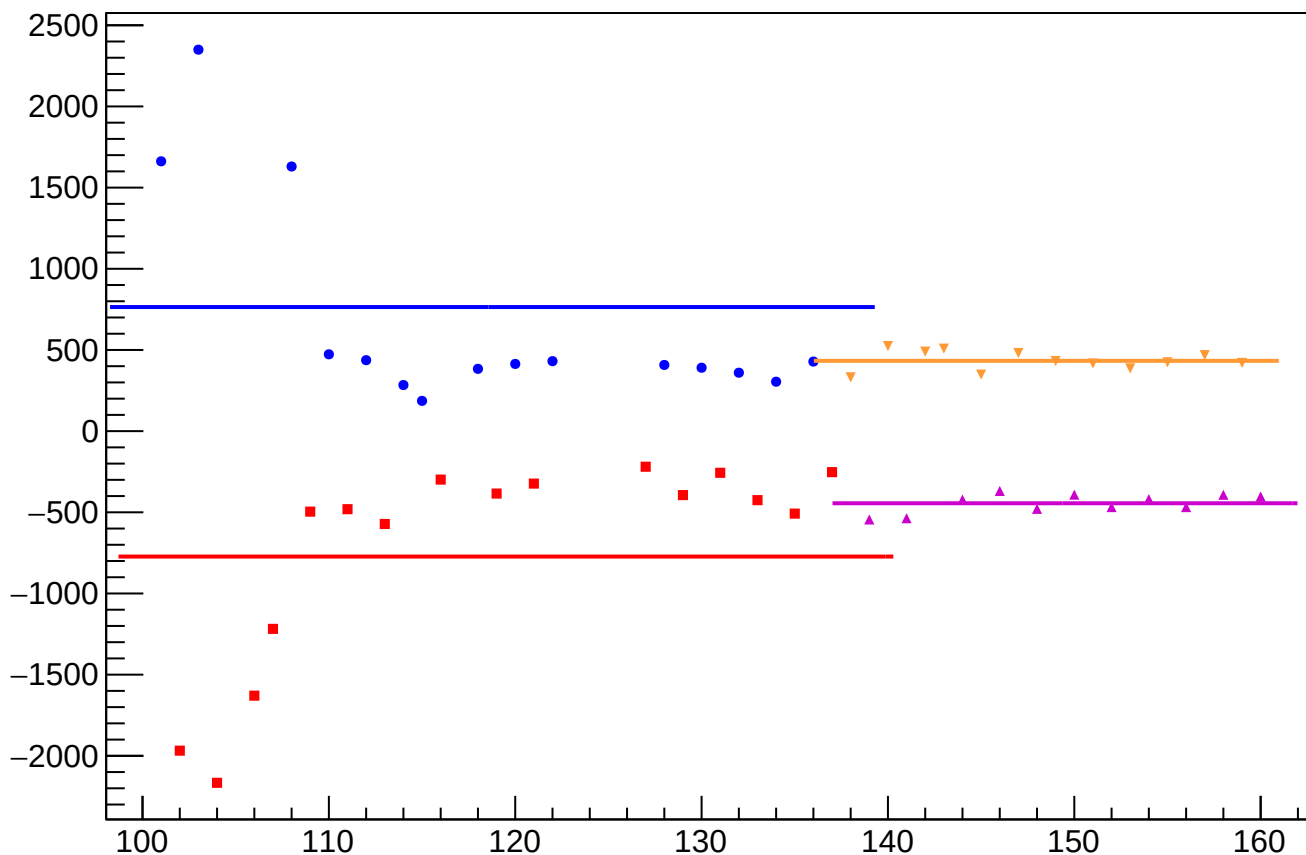
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam2_coil3_mean vs Slug, Sign Corrected



Right In: 9876.530 ± 0.000 $\chi^2/\text{NDF}: 8483360287053054122301651905797133697024.0/14$
 Left Out: 17405.049 ± 0.000 $\chi^2/\text{NDF}: 7689801671099378791544545422175664865280.0/11$
 Right Out: -8961.593 ± 0.000 $\chi^2/\text{NDF}: 7583728644146461427304320888408335450112.0/15$
 Left In: -17962.529 ± 0.000 $\chi^2/\text{NDF}: 3564698291142811133043344688261317525504.0/10$
 All: -81.381 ± 0.000 $\chi^2/\text{NDF}: 719188962323$

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 764.284+/-0.000 χ^2/NDF : 290964758058269480005067205020030599168.0/14

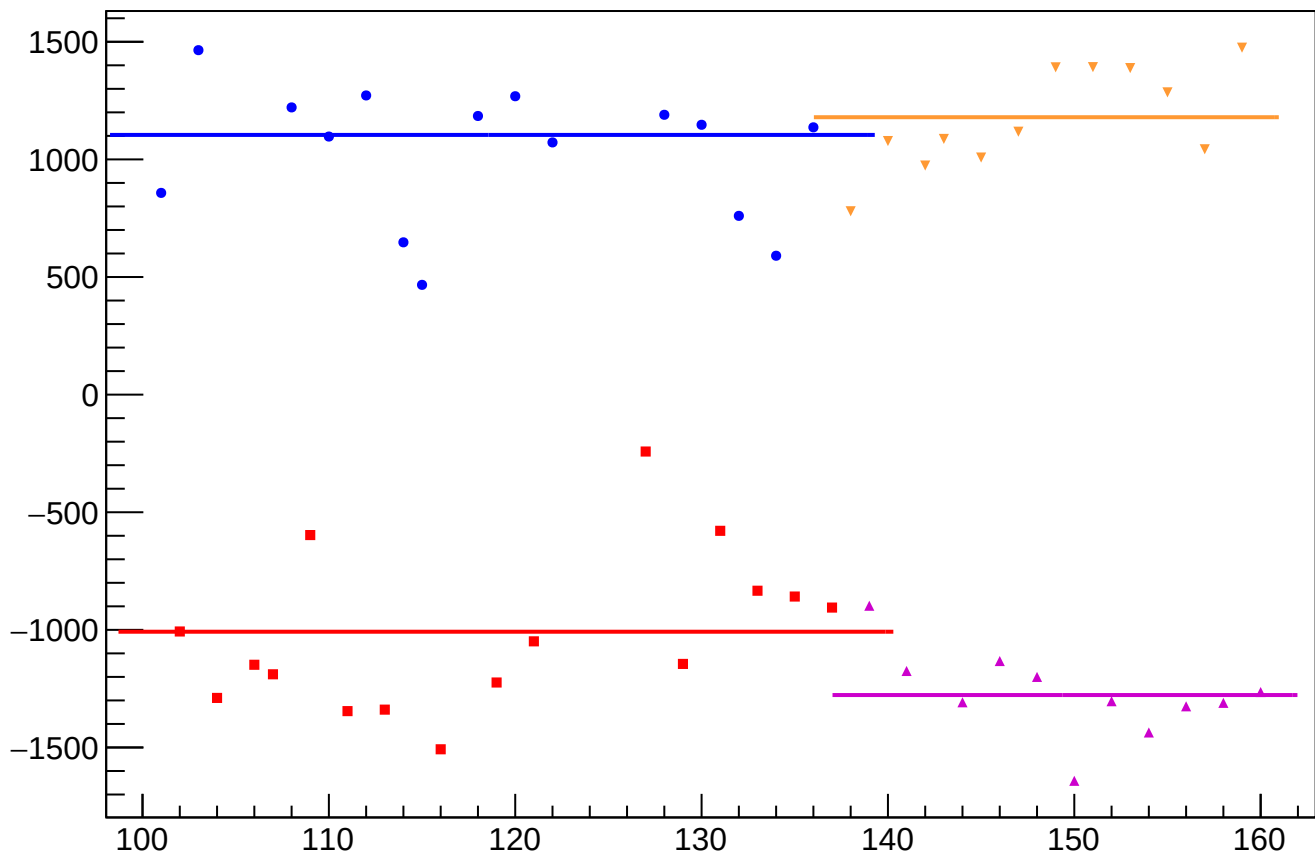
Left Out: 433.079+/-0.000 χ^2/NDF : 3070370524438239159273190119476035584.0/11

Right Out: -772.547+/-0.000 χ^2/NDF : 285902138904642401278625587631891677184.0/15

Left In: -444.245+/-0.000 χ^2/NDF : 2906625839452991270105053894151241728.0/10

All: -10.754+/-0.000 χ^2/NDF : 171344684046

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

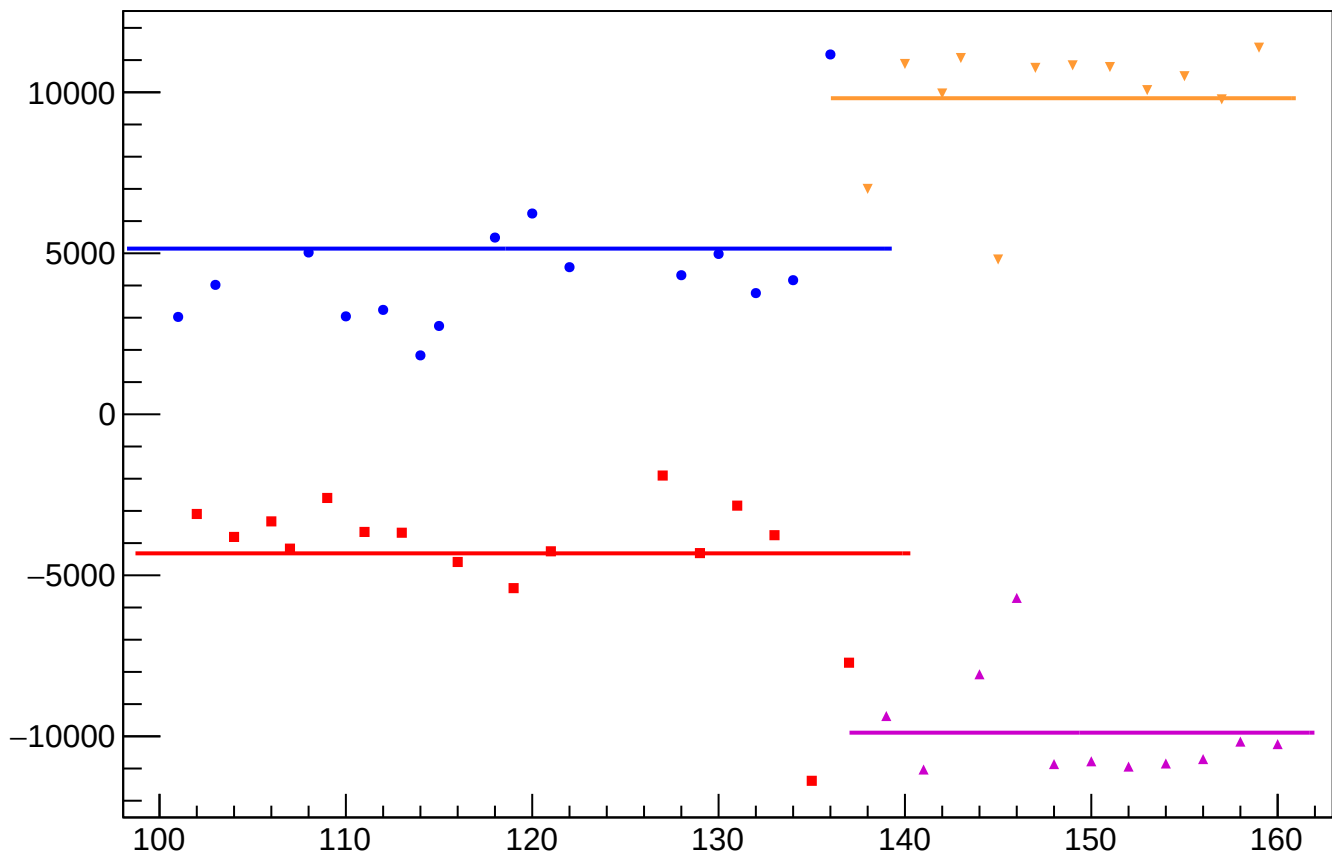
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

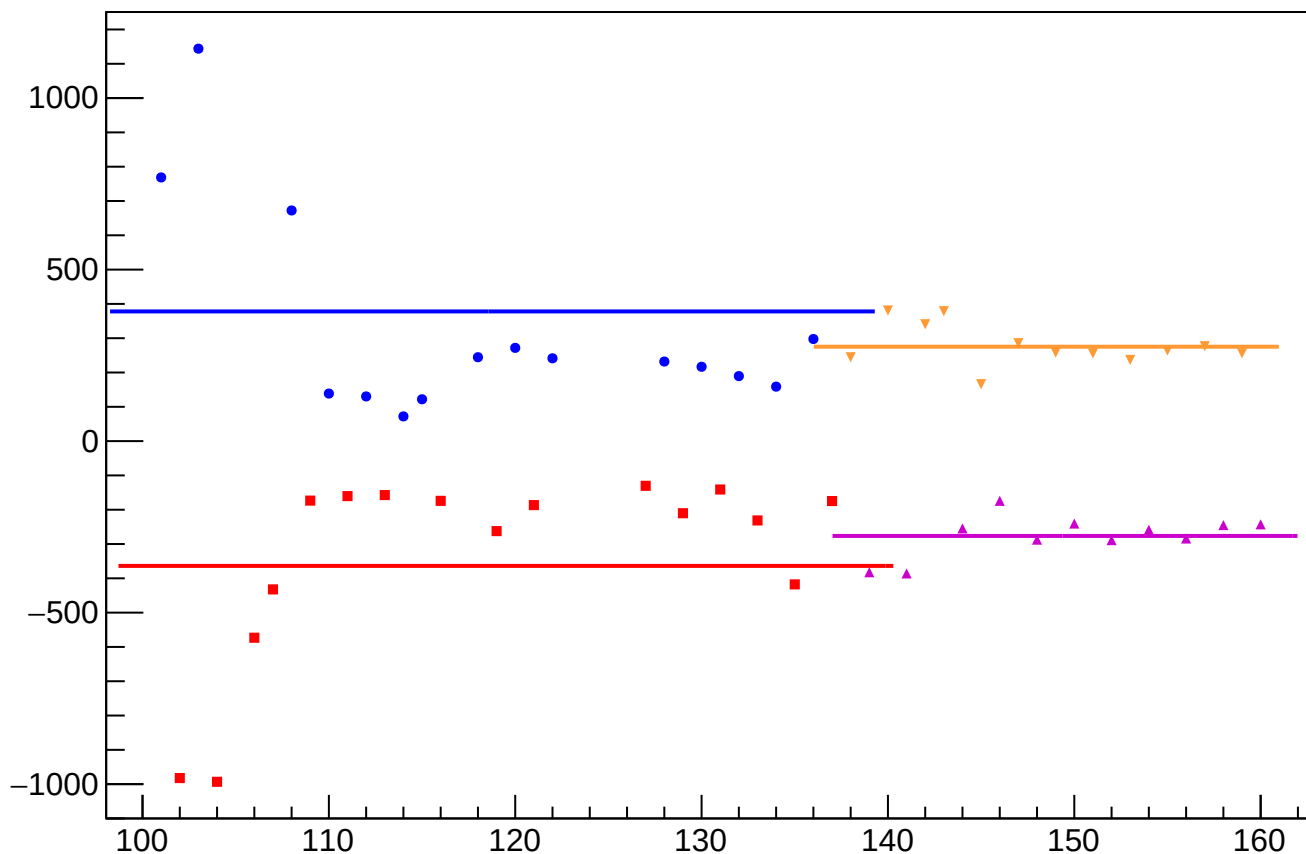
All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam3_coil3_mean vs Slug, Sign Corrected



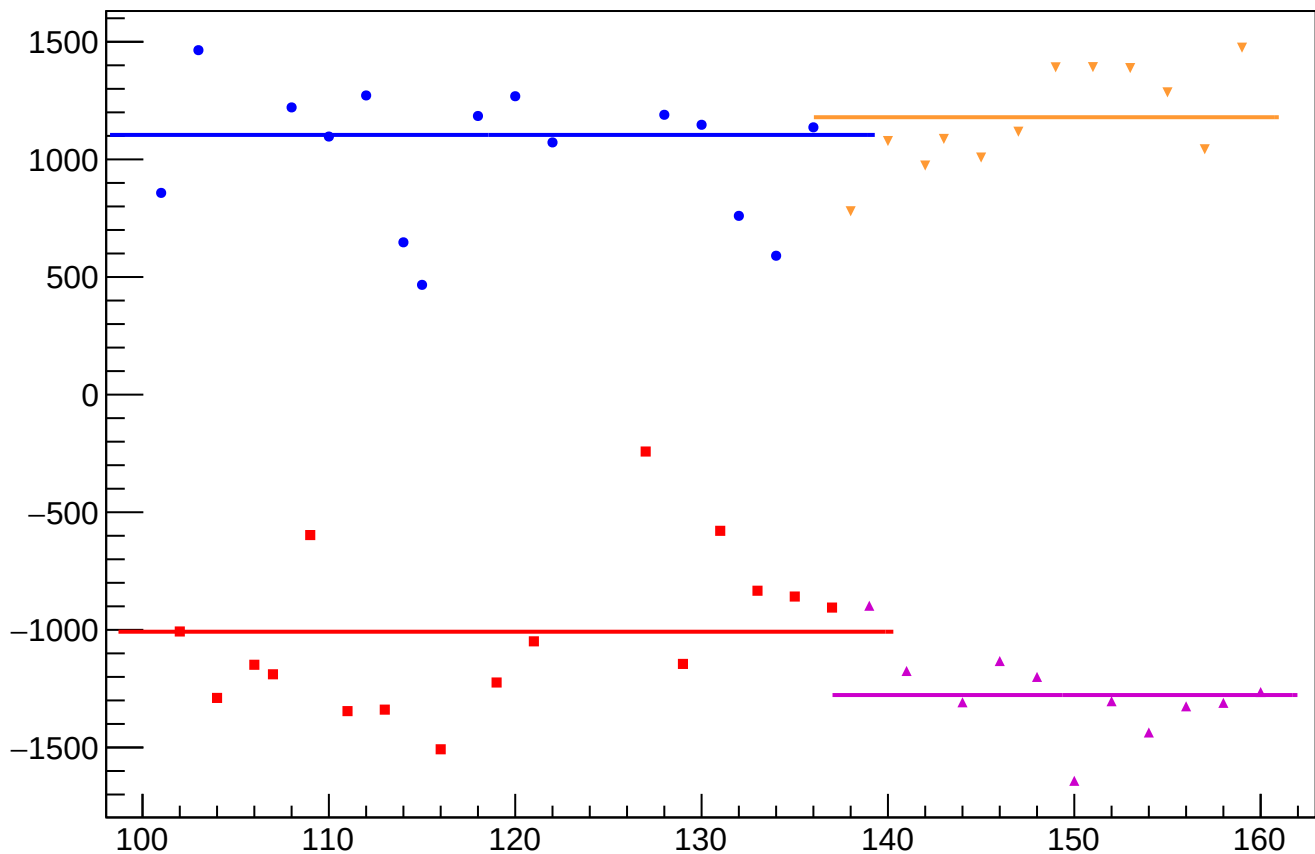
Right In: 5145.657+/-0.000 χ^2/NDF : 4272867262459372237810540195851662262272.0/14
 Left Out: 9815.736+/-0.000 χ^2/NDF : 3242126212507286714618316704208262266880.0/11
 Right Out: -4318.126+/-0.000 χ^2/NDF : 3345176554564755427312533888908526616576.0/15
 Left In: -9887.069+/-0.000 χ^2/NDF : 2278516780225824082632420288802127347712.0/10
 All: 93.618+/-0.000 χ^2/NDF : 2211196592737

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



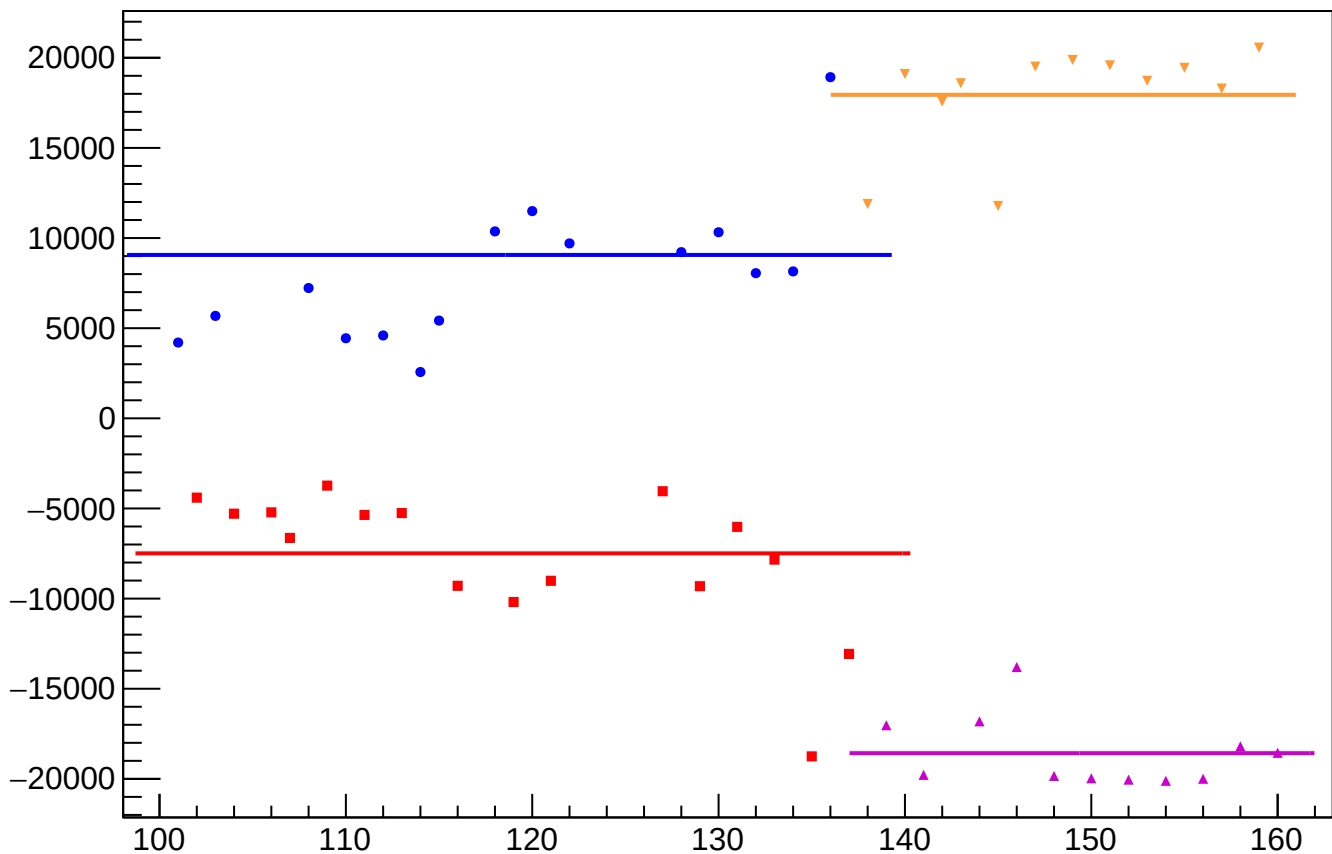
Right In: 378.052 $\pm$ 0.000 χ^2 /NDF: 61516590022593053040860760861331947520.0/14
 Left Out: 275.181 $\pm$ 0.000 χ^2 /NDF: 3063973924838483752648023856495198208.0/11
 Right Out: -363.772 $\pm$ 0.000 χ^2 /NDF: 59031337484709801804181439342706688000.0/15
 Left In: -276.429 $\pm$ 0.000 χ^2 /NDF: 3176476969276554988209041450490396672.0/10
 All: -0.376 $\pm$ 0.000 χ^2 /NDF: 4476277184699

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



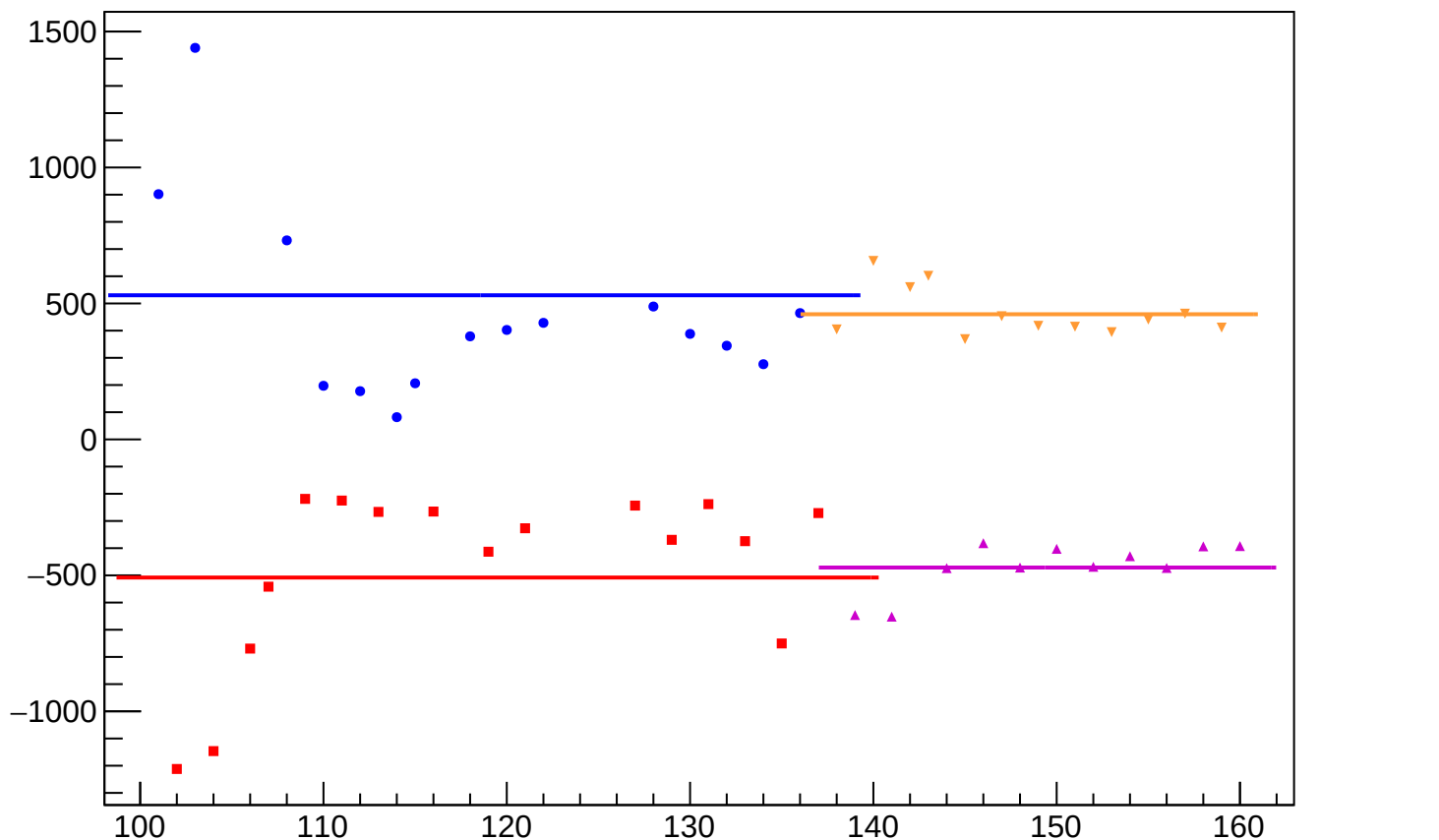
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710 $\pm$ 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

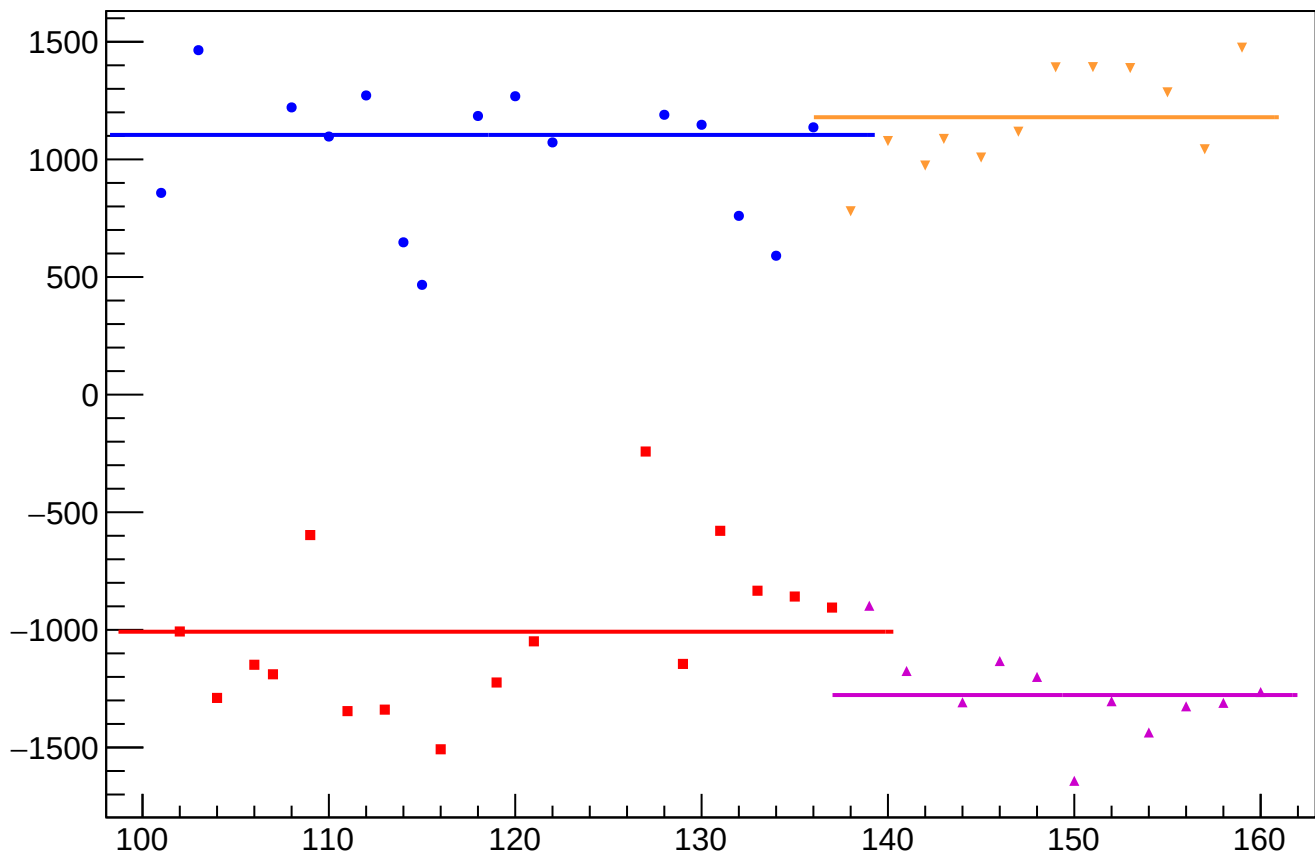
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -471.219+/-0.000

χ^2/NDF : 7445973219160336257467772011051745280.0/10

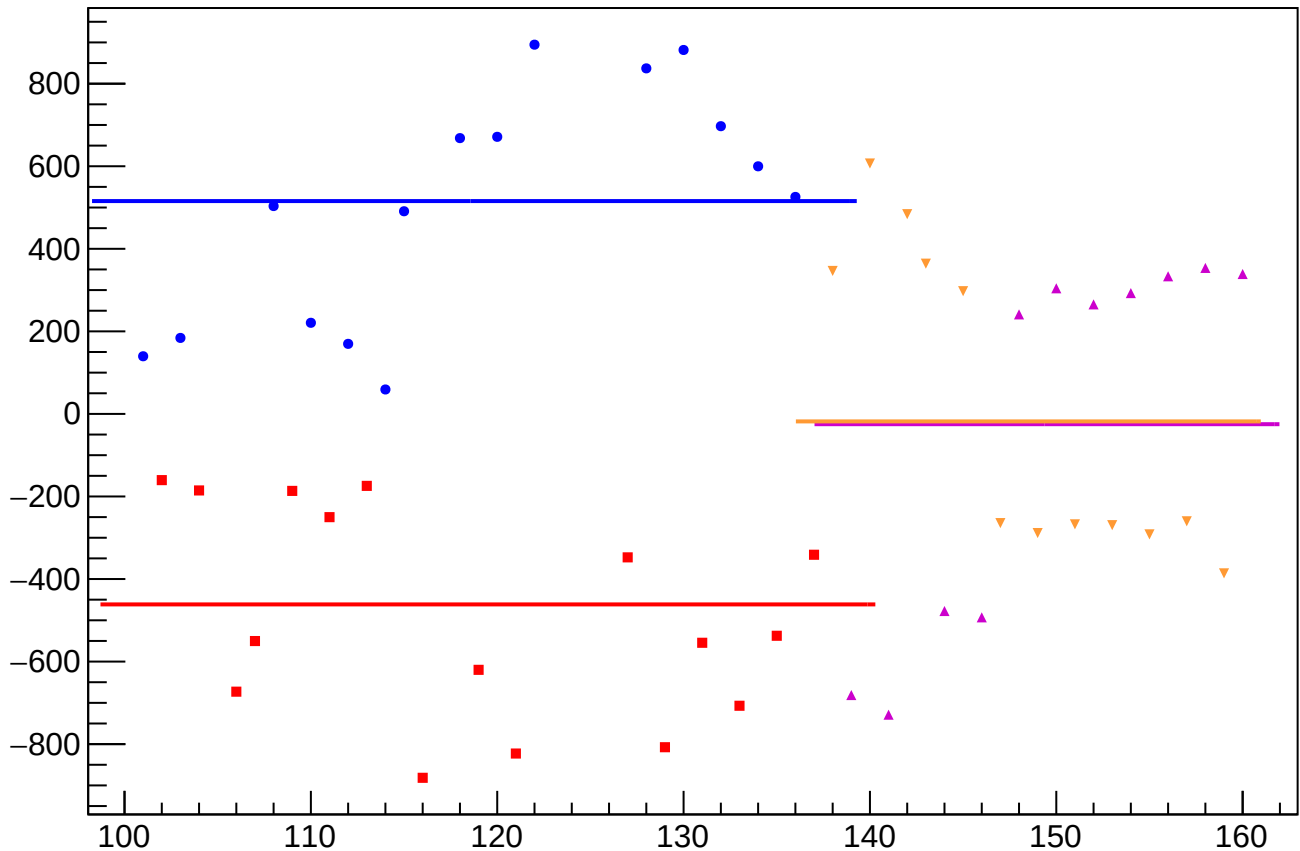
All: -3.012+/-0.000 χ^2/NDF : 9229168077860

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



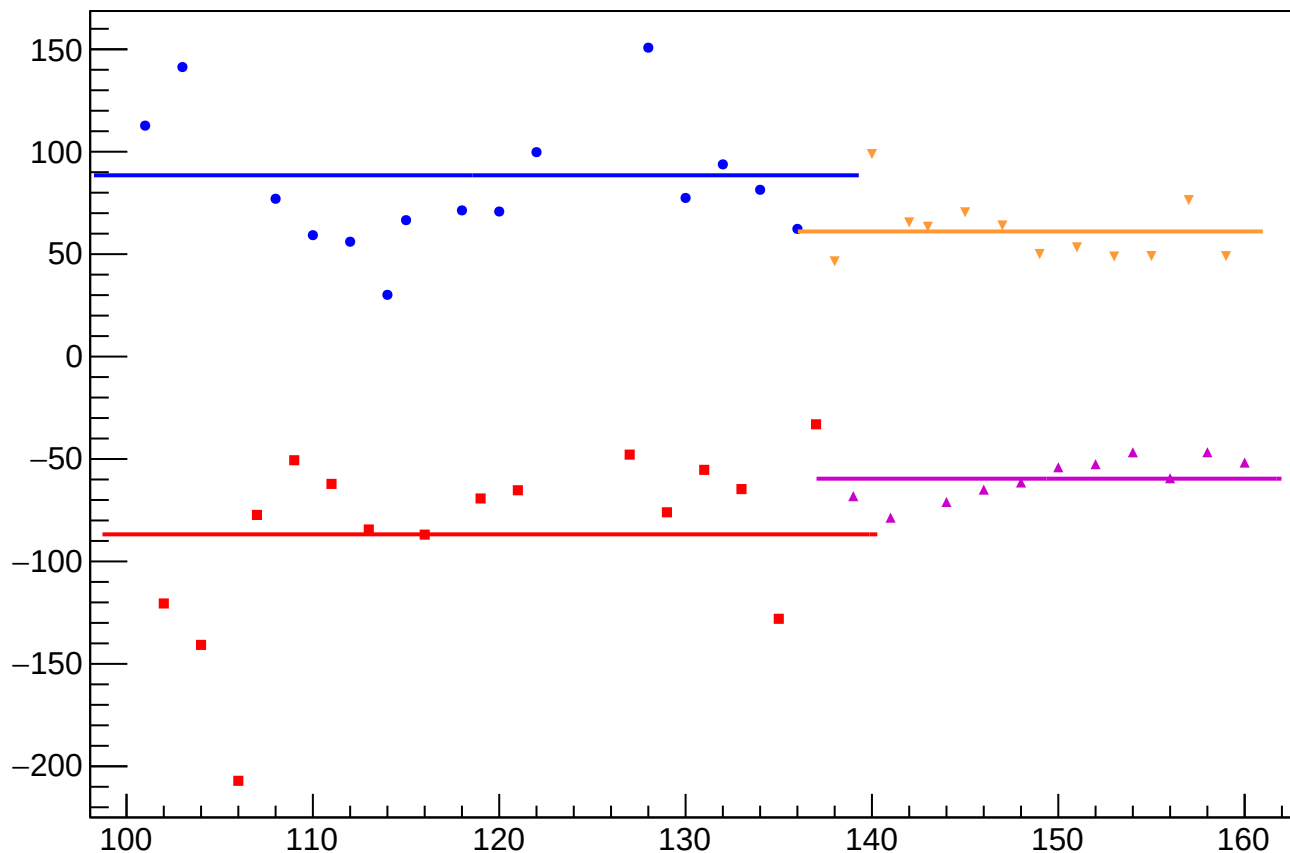
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam5_coil3_mean vs Slug, Sign Corrected



Left: -21.540 ± 0.000 $\chi^2/\text{NDF}: 2912056569899347$
 Right In: 515.635 ± 0.000 $\chi^2/\text{NDF}: 48465403420573957292673062371162324992.0/14$
 Right: 20.387 ± 0.000 $\chi^2/\text{NDF}: 4030056130167457$
 Left Out: -18.146 ± 0.000 $\chi^2/\text{NDF}: 114014627327363890146179797072763420672.0/11$
 In: 198.120 ± 0.000 $\chi^2/\text{NDF}: 33702193102447450$
 Right Out: -461.497 ± 0.000 $\chi^2/\text{NDF}: 40473746660091355928063306884368564224.0/15$
 Out: -205.189 ± 0.000 $\chi^2/\text{NDF}: 230282610229259$
 Left In: -24.898 ± 0.000 $\chi^2/\text{NDF}: 177170083146066340419686697250307702784.0/10$
 All: -4.046 ± 0.000 $\chi^2/\text{NDF}: 6955593653745$

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493+/-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

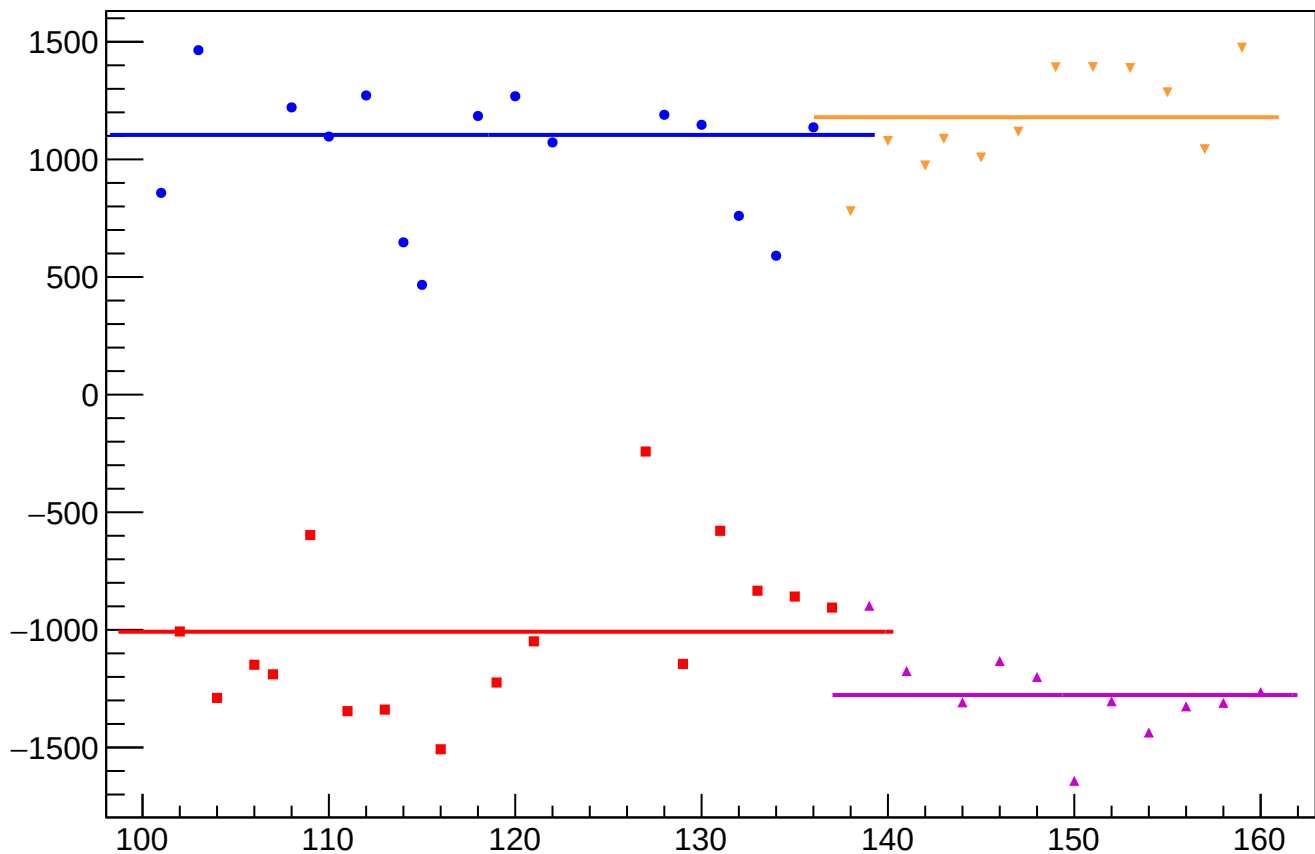
χ^2/NDF : 1059206766314086021240525003228708864.0/15

Left In: -59.604+/-0.000

χ^2/NDF : 90862625181985664375323463168032768.0/10

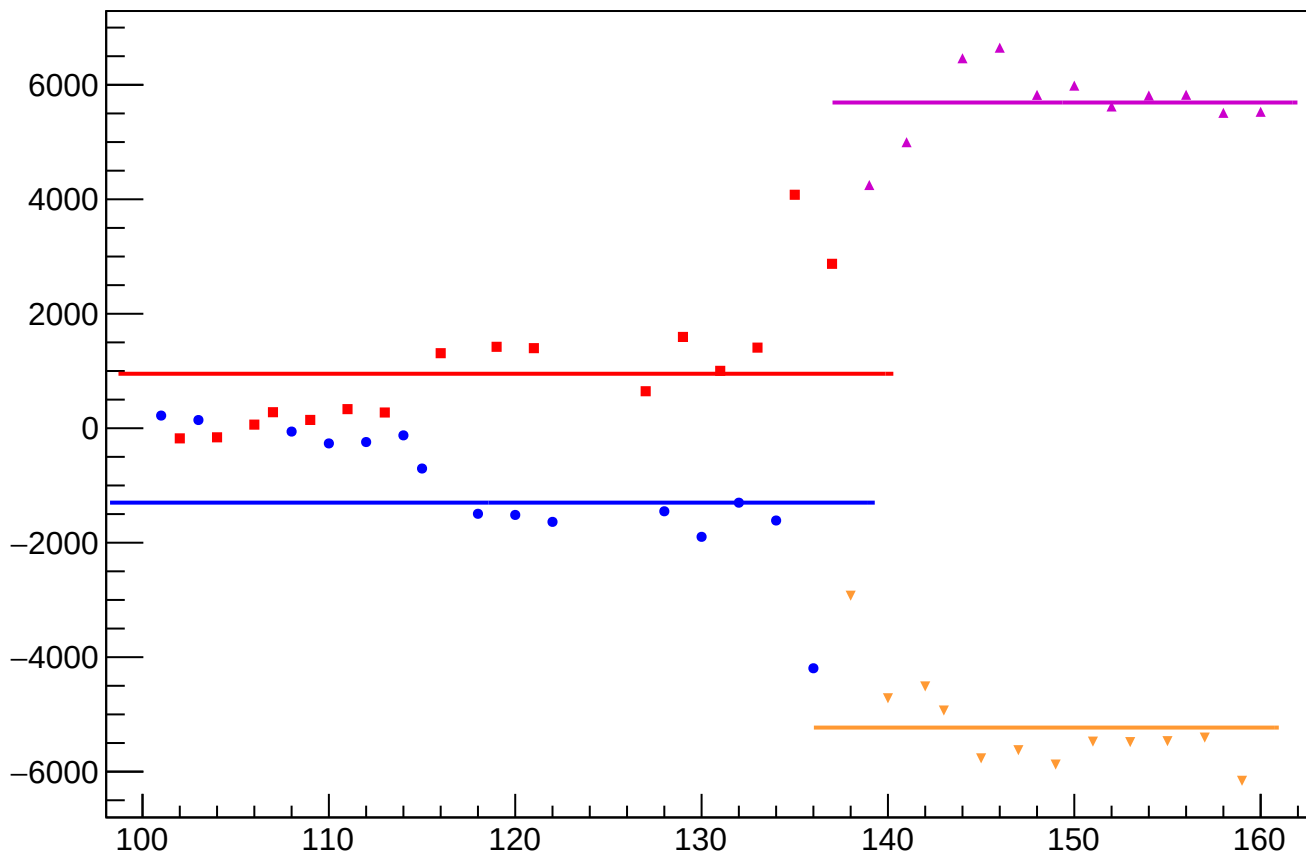
Left: 0.403+/-0.000 χ^2/NDF : 699320951326261037.0/11
 Right: -0.339+/-0.000 χ^2/NDF : 1180687368969666.0/11
 In: 1.499+/-0.000 χ^2/NDF : 909555293268762402.0/11
 Out: -1.305+/-0.000 χ^2/NDF : 96987555251915958.0/11
 All: 0.094+/-0.000 χ^2/NDF : 18800505371841.0/11

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 : 5578029245557142

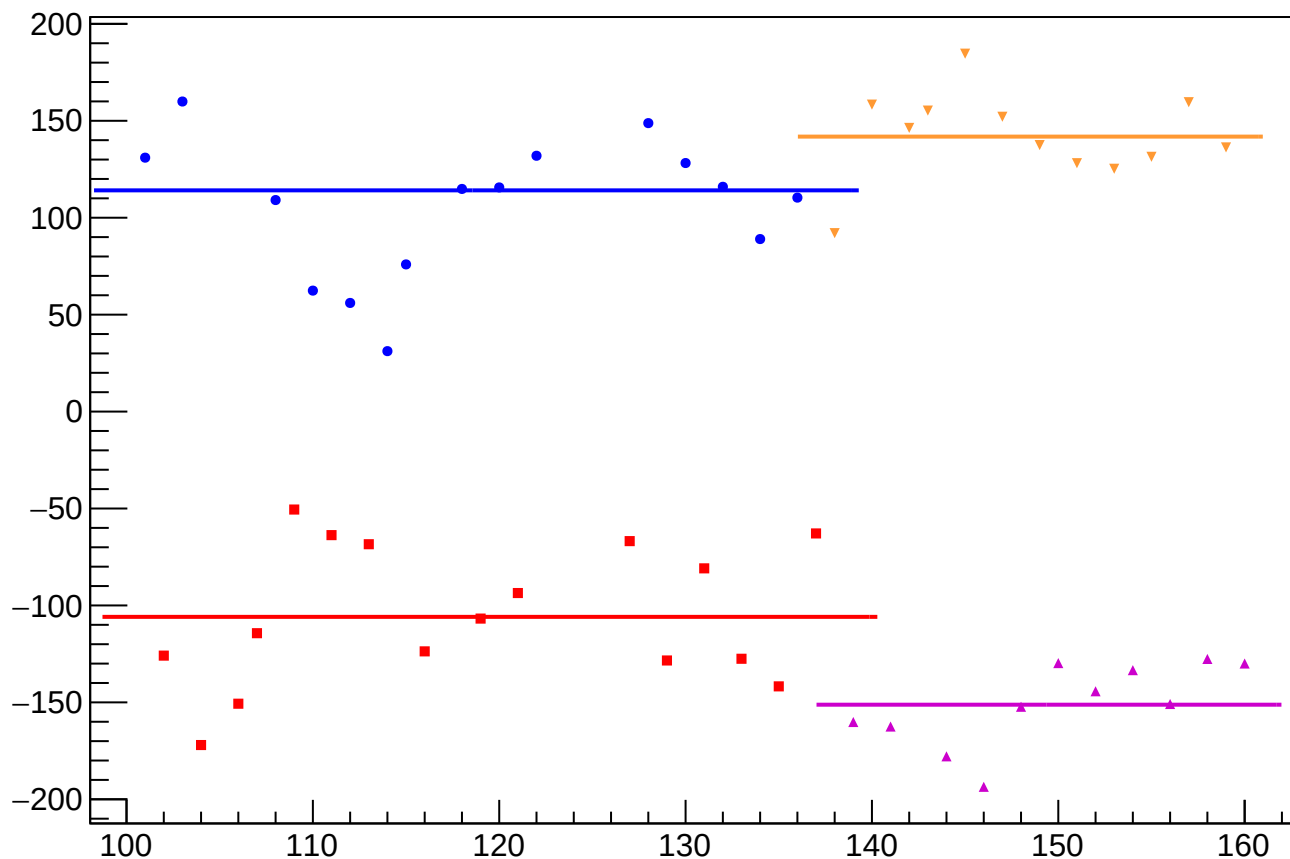
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2622.043+/-0.000 χ^2/NDF : 16199599941303

All: 85.397+/-0.000 χ^2/NDF : 5962362698239

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



Right In: 114.118 $\pm$ 0.000

χ^2 /NDF: 607226770891525118881736460452495360.0/14

Left Out: 141.844 $\pm$ 0.000

χ^2 /NDF: 455273254245846333149237795723673600.0/11

Right Out: -105.890 $\pm$ 0.000

χ^2 /NDF: 851861355270591521058611007535972352.0/15

Left In: -151.203 $\pm$ 0.000

χ^2 /NDF: 382227652604999337577431549784096768.0/10

Left: -5.477 $\pm$ 0.000 χ^2 /NDF: 40296557348706998

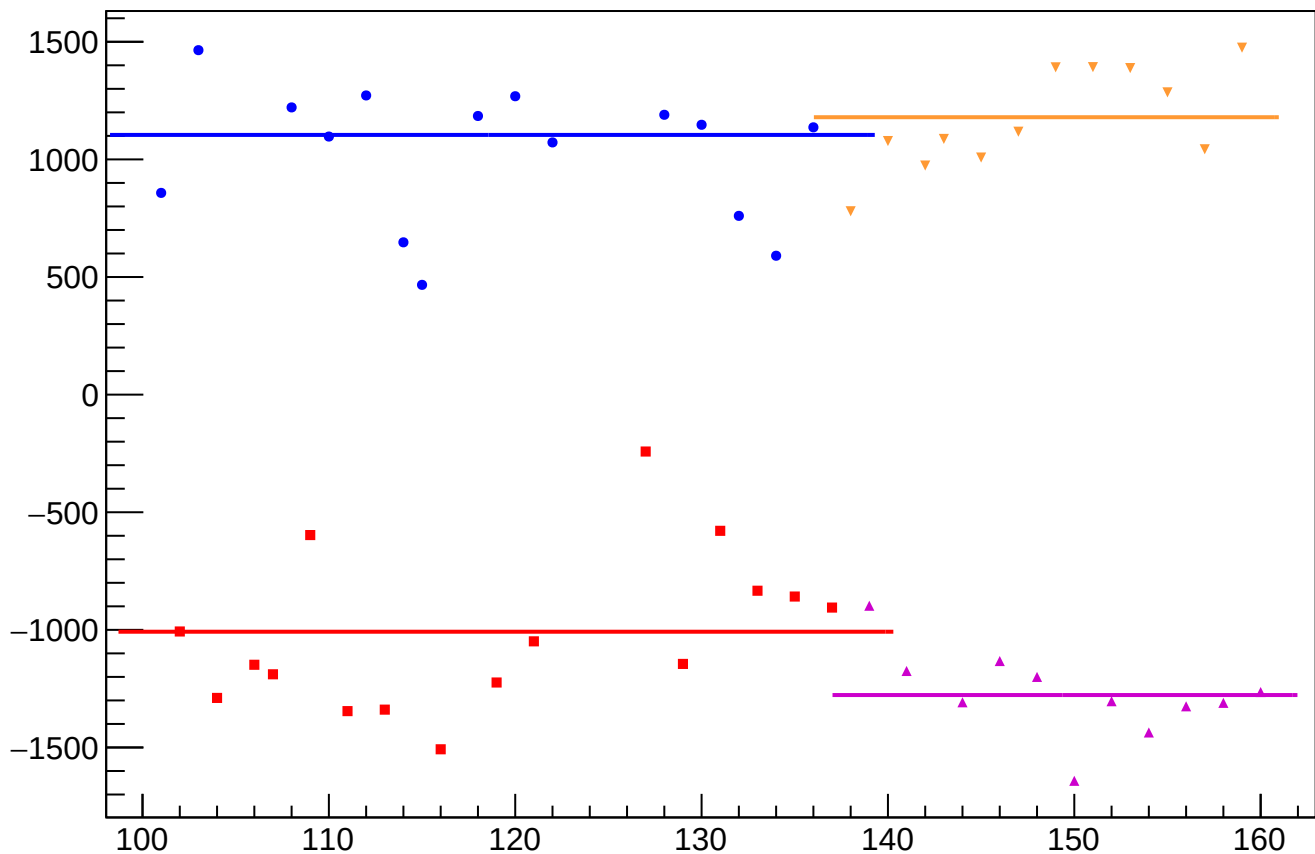
Right: 2.610 $\pm$ 0.000 χ^2 /NDF: 17380785718088446

In: -41.735 $\pm$ 0.000 χ^2 /NDF: 27826261181651348

Out: 37.329 $\pm$ 0.000 χ^2 /NDF: 24972280425229792

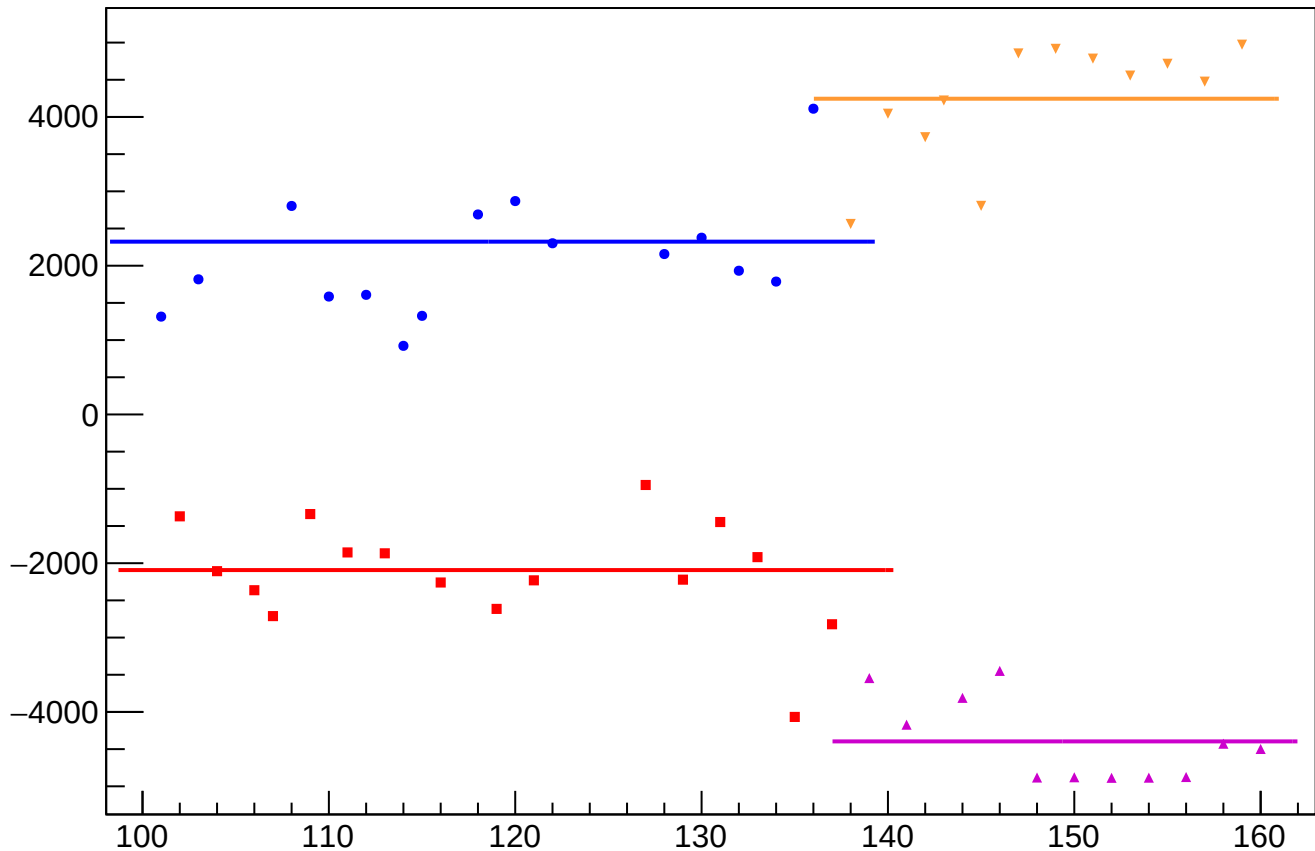
All: -2.103 $\pm$ 0.000 χ^2 /NDF: 5772748991096

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam7_coil3_mean vs Slug, Sign Corrected



Right In: 2323.372+/-0.000

χ^2/NDF : 476371189888349375964725620757728591872.0/14

Left Out: 4245.269+/-0.000

χ^2/NDF : 560100037882540295630660663570463719424.0/11

Right Out: -2092.458+/-0.000

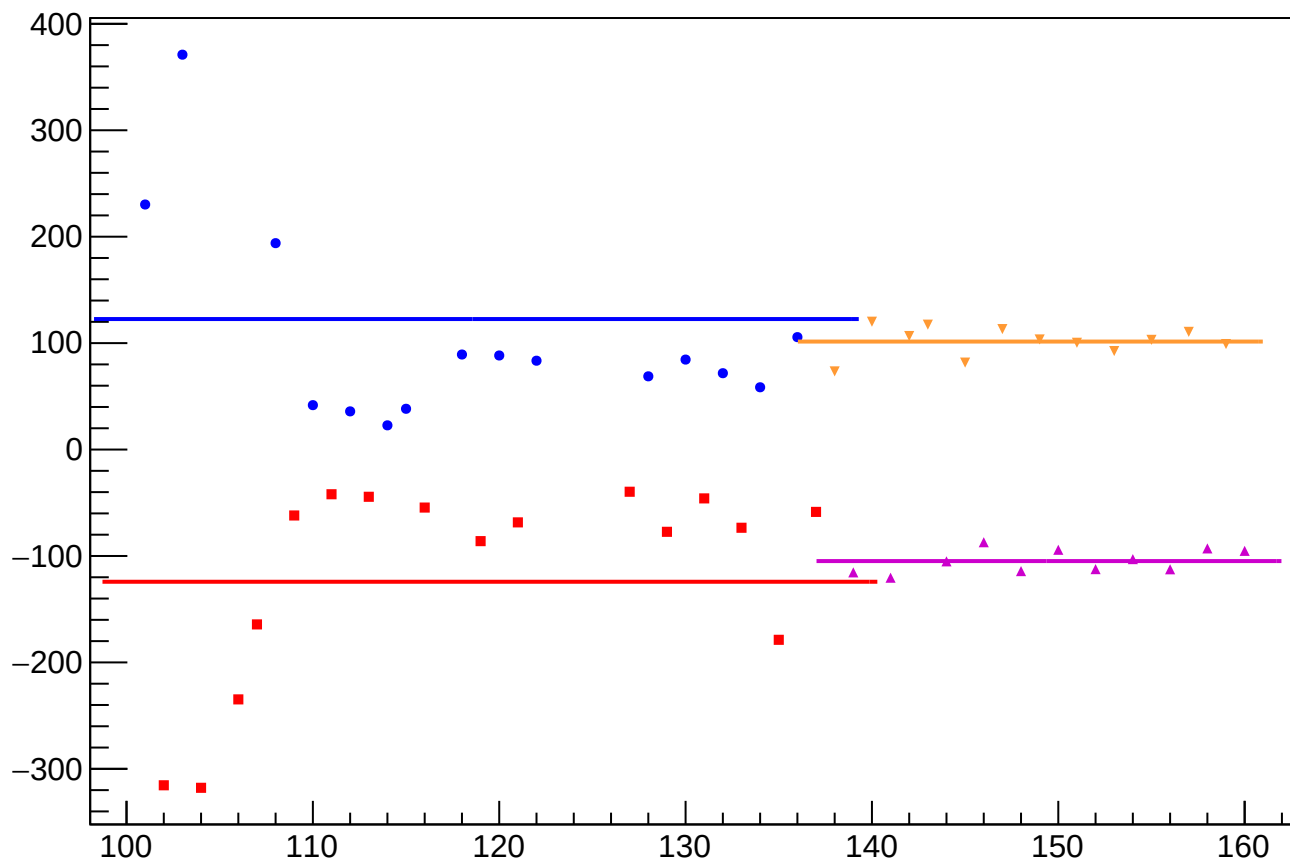
χ^2/NDF : 367126080872166122663684022473339174912.0/15

Left In: -4396.069+/-0.000

χ^2/NDF : 270326441631367265143713722564756897792.0/10

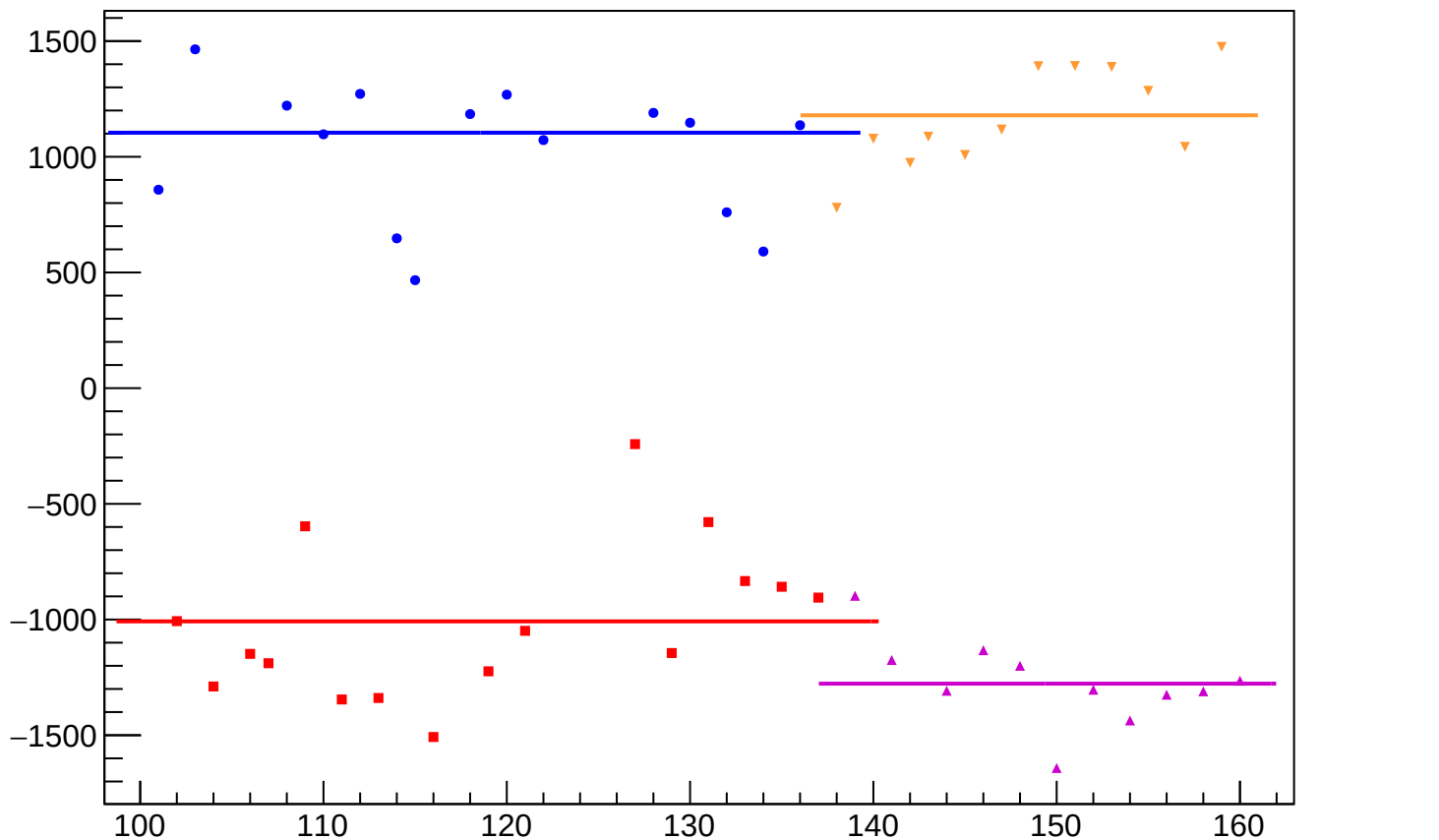
All: -22.065+/-0.000 χ^2/NDF : 424251896737

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



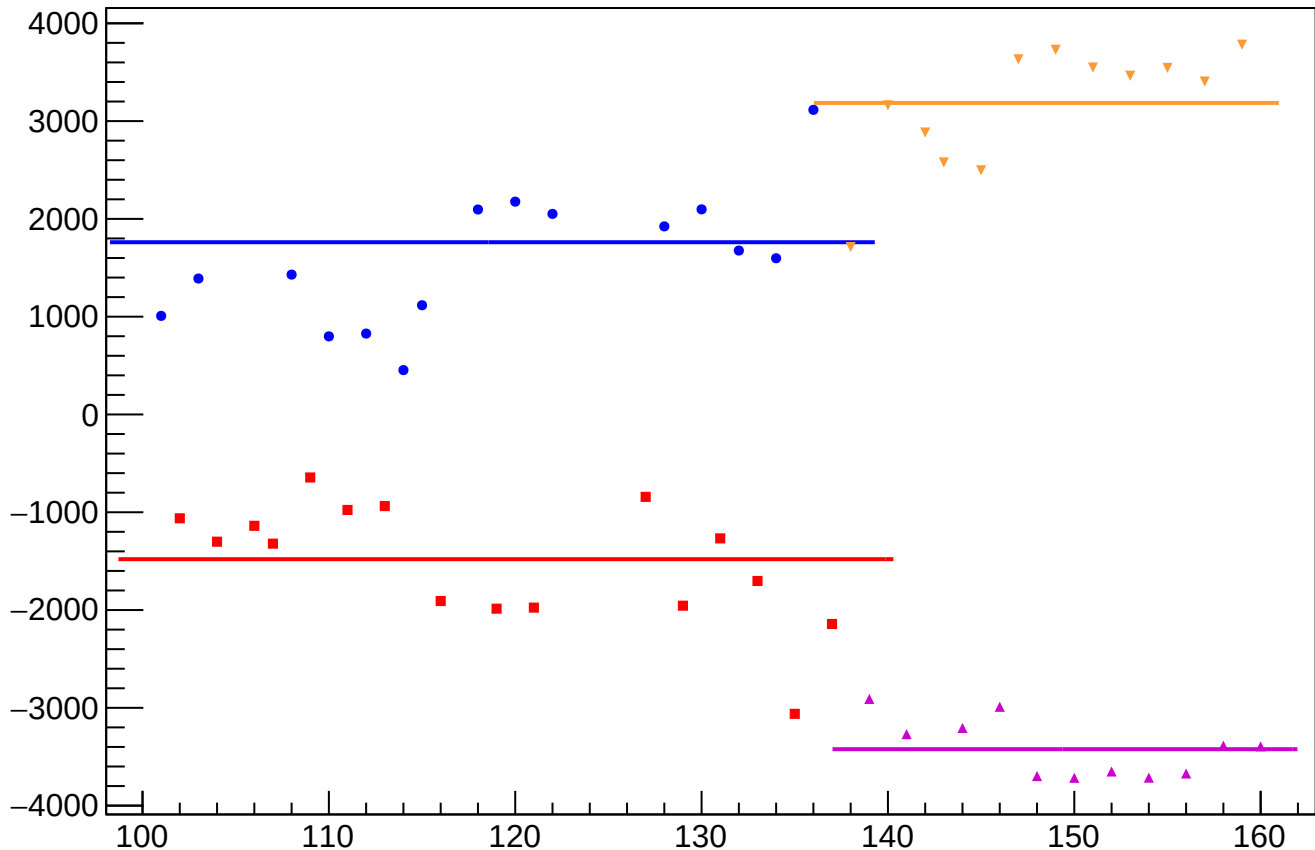
Right In: 122.622+/-0.000	χ^2/NDF : 5937504661187691145903235842749497344.0/14	Left: -2.219+/-0.000	χ^2/NDF : 19812994387589276
Left Out: 101.470+/-0.000	χ^2/NDF : 163606586609215515174601139620413440.0/11	Right: -2.485+/-0.000	χ^2/NDF : 3252911350198687
Right Out: -124.216+/-0.000	χ^2/NDF : 6549627589629012958791202941129719808.0/15	In: -10.961+/-0.000	χ^2/NDF : 25754739870649358
Left In: -104.786+/-0.000	χ^2/NDF : 102013785381333837493435451846950912.0/10	Out: 6.256+/-0.000	χ^2/NDF : 263536944224656689
	All: -2.330+/-0.000		χ^2/NDF : 5234216215941

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



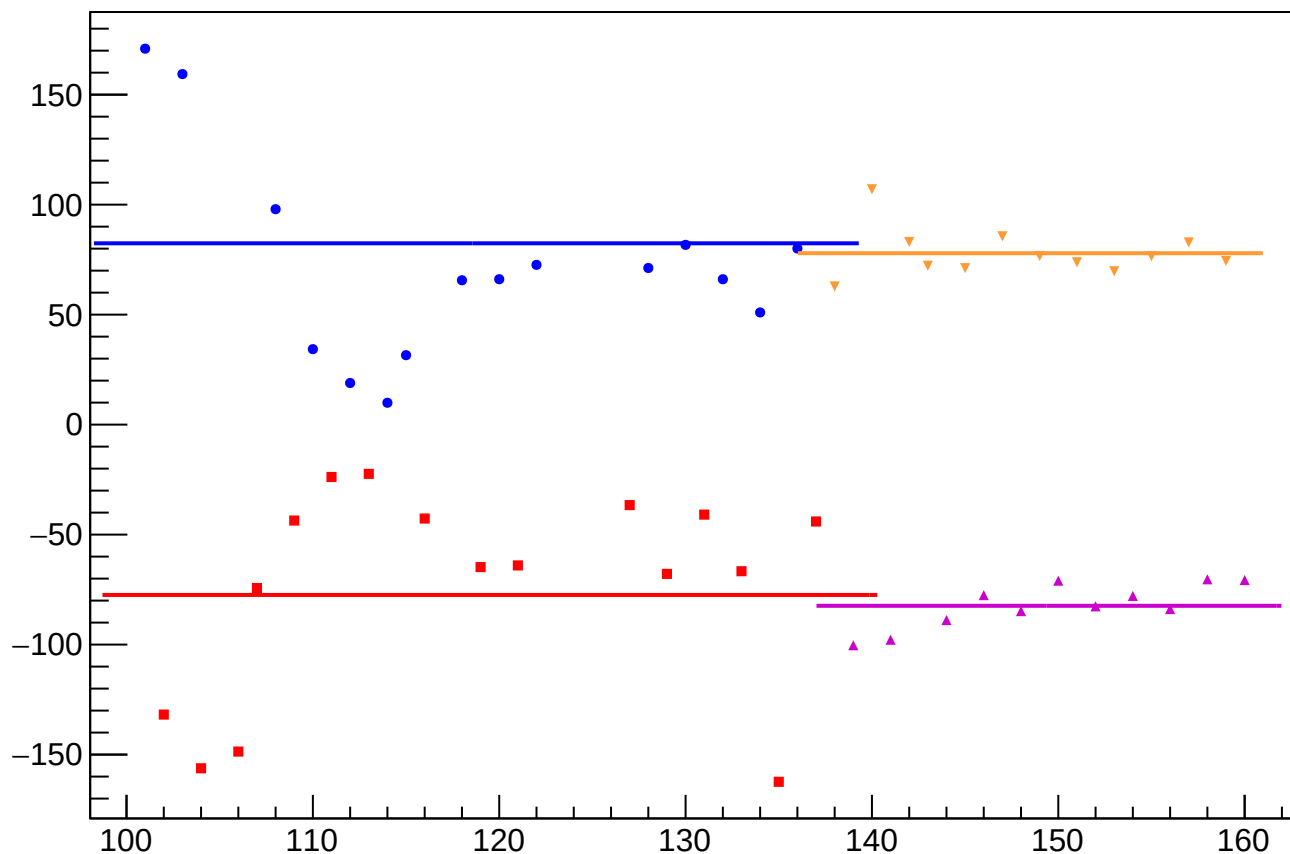
Left: -55.563 +/- 0.000 χ^2/NDF : 2840892210996509
 Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 +/- 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 +/- 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 +/- 0.000 χ^2/NDF : 441608022845

dit_sam8_coil3_mean vs Slug, Sign Corrected



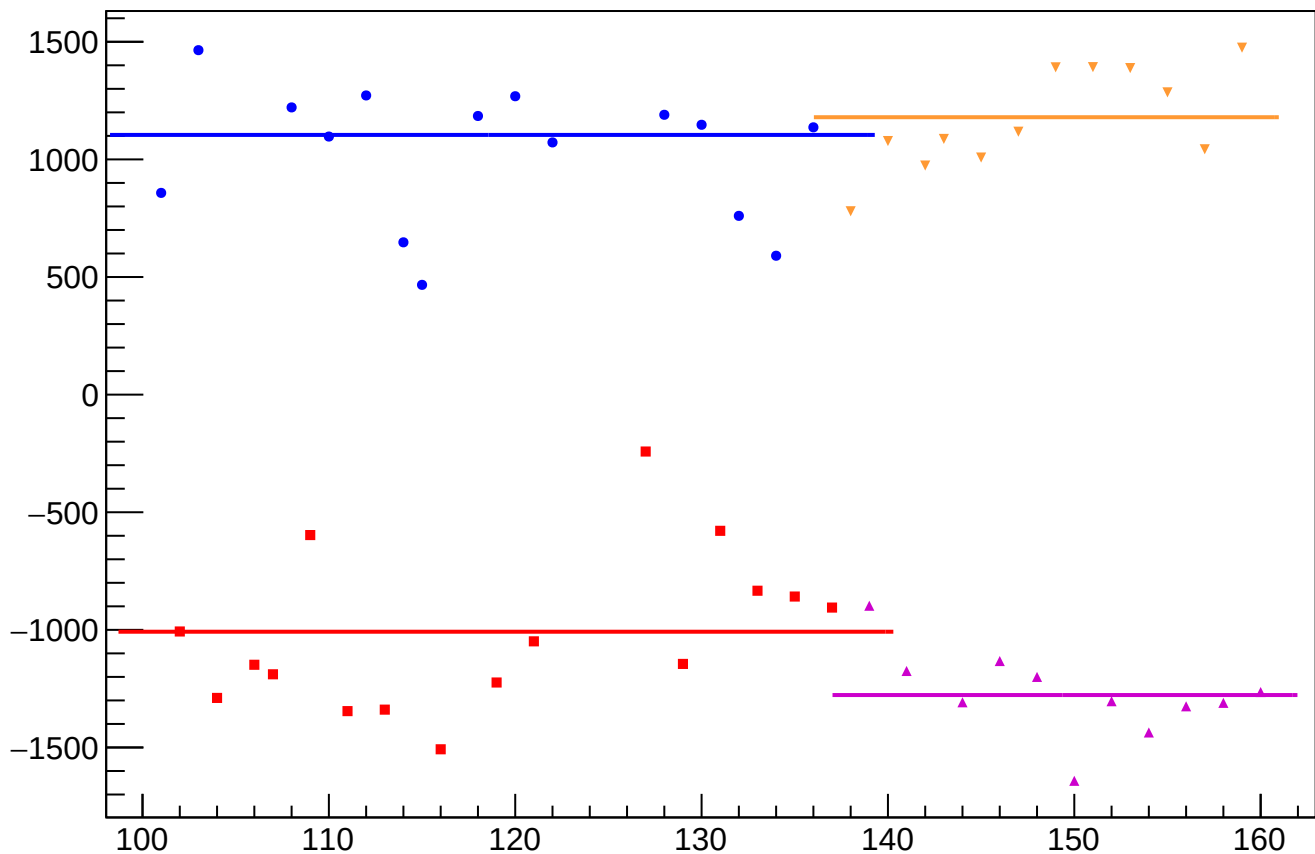
Right In: 1761.245 $\pm$ 0.000 χ^2 /NDF: 332206925976055306953064744993096204288.0/14
 Left Out: 3185.925 $\pm$ 0.000 χ^2 /NDF: 334945906452981161805339150604505710592.0/11
 Right Out: -1479.801 $\pm$ 0.000 χ^2 /NDF: 263467768134780968832551238609236131840.0/15
 Left In: -3423.018 $\pm$ 0.000 χ^2 /NDF: 7453703884208882463869581727568494592.0/10
 All: -30.093 $\pm$ 0.000 χ^2 /NDF: 245798533014

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



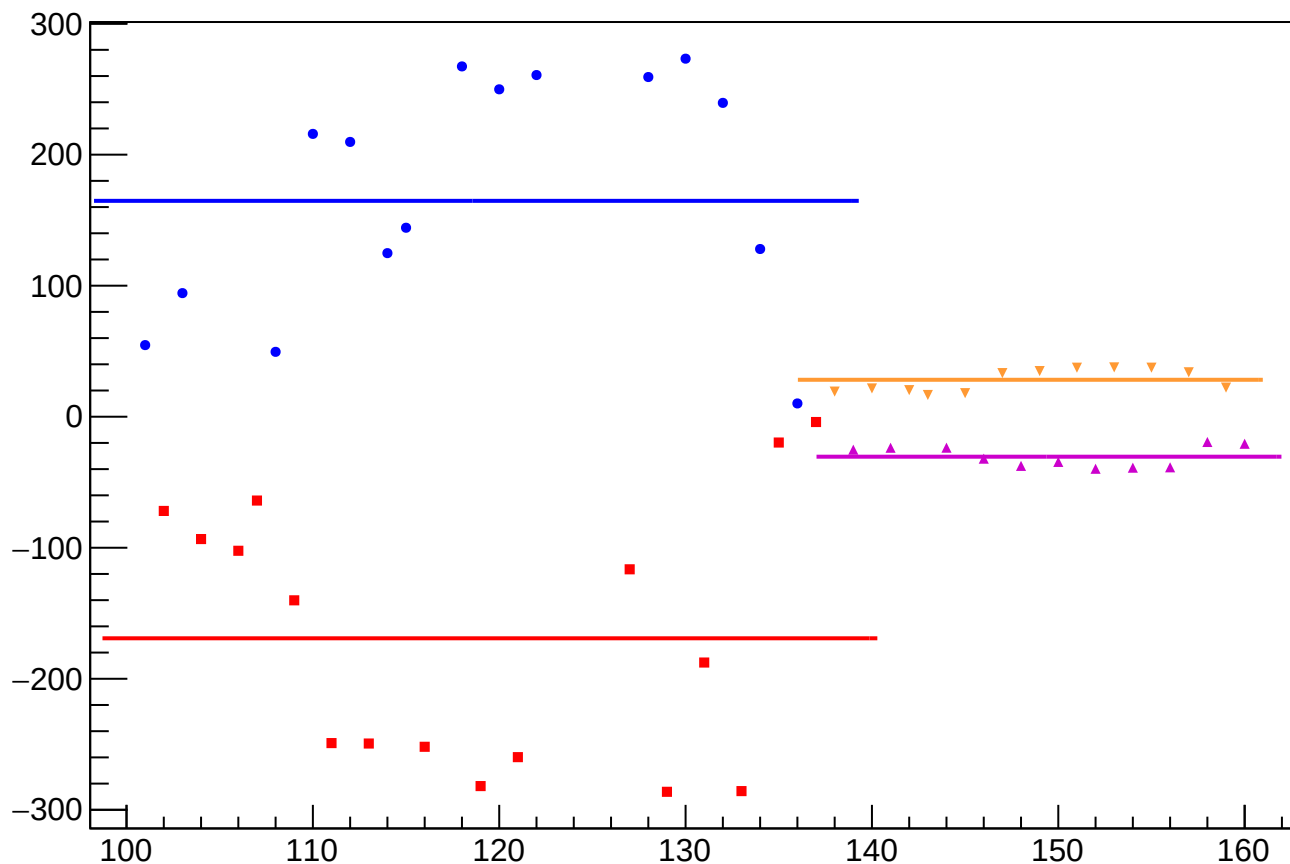
Right In: 82.422 ± 0.000 $\chi^2/\text{NDF}: 1263633347129443757477527241185296384.0/14$
 Left Out: 77.927 ± 0.000 $\chi^2/\text{NDF}: 108816585289567770159719515210907648.0/11$
 Right Out: -77.430 ± 0.000 $\chi^2/\text{NDF}: 1515456409368458038568290276111024128.0/15$
 Left In: -82.361 ± 0.000 $\chi^2/\text{NDF}: 88160536769186096496846966890692608.0/10$
 All: -0.961 ± 0.000 $\chi^2/\text{NDF}: 2319921906530$

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



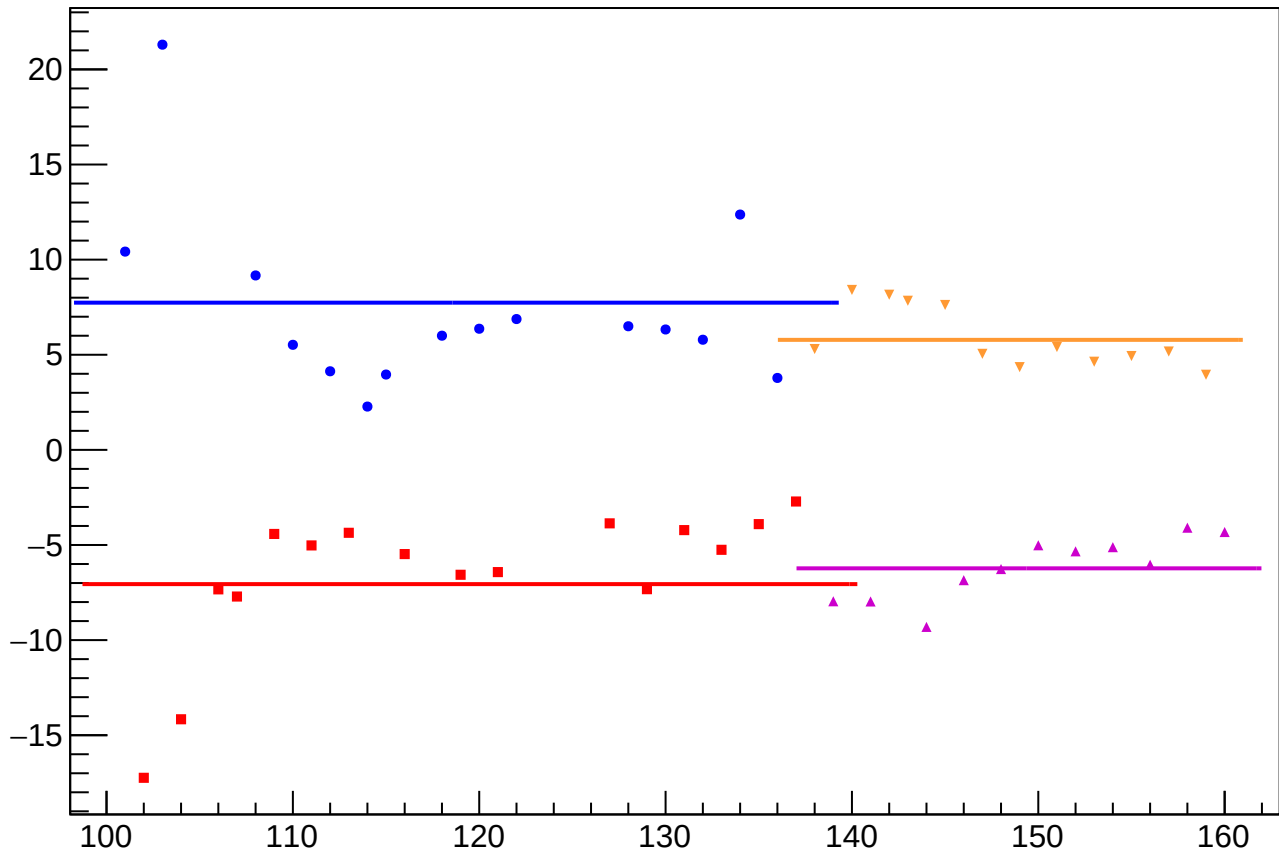
Right In: 1104.111 $\pm$ 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2/NDF : 441608022845

dit_4aX_coil7_mean vs Slug, Sign Corrected



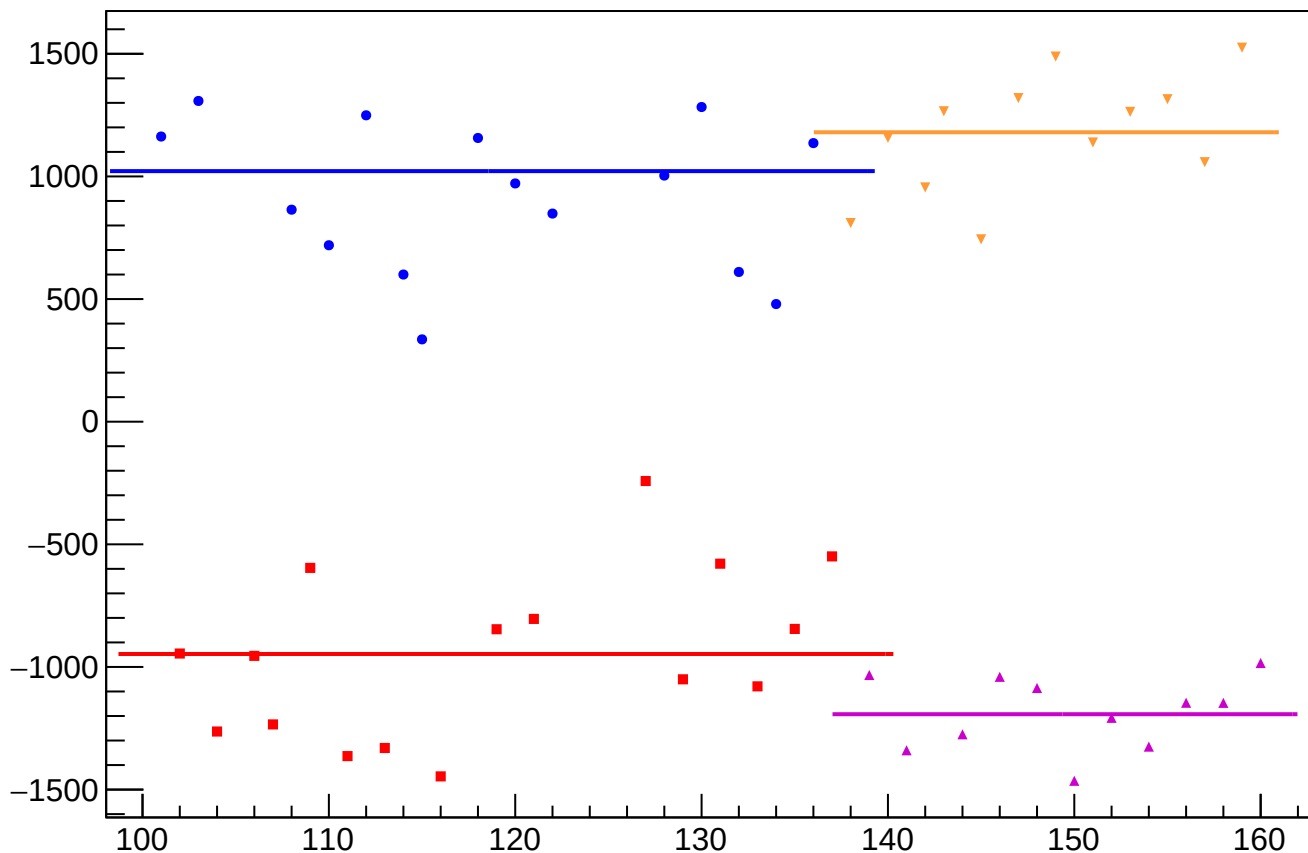
Left: -1.317 ± 0.000 $\chi^2/\text{NDF}: 16978934081589781$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.192 ± 0.000 $\chi^2/\text{NDF}: 62073928949862768083975059378536448.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 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+/-0.000 χ^2/NDF : 15127215479234506007469492768079872.0/14
 Left Out: 5.783+/-0.000 χ^2/NDF : 2082103650411209995862519006101504.0/11
 Right Out: -7.057+/-0.000 χ^2/NDF : 11292441204139394792341242753581056.0/15
 Left In: -6.228+/-0.000 χ^2/NDF : 2331911751655733809355489024147456.0/10
 All: -0.049+/-0.000 χ^2/NDF : 1693113496789

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

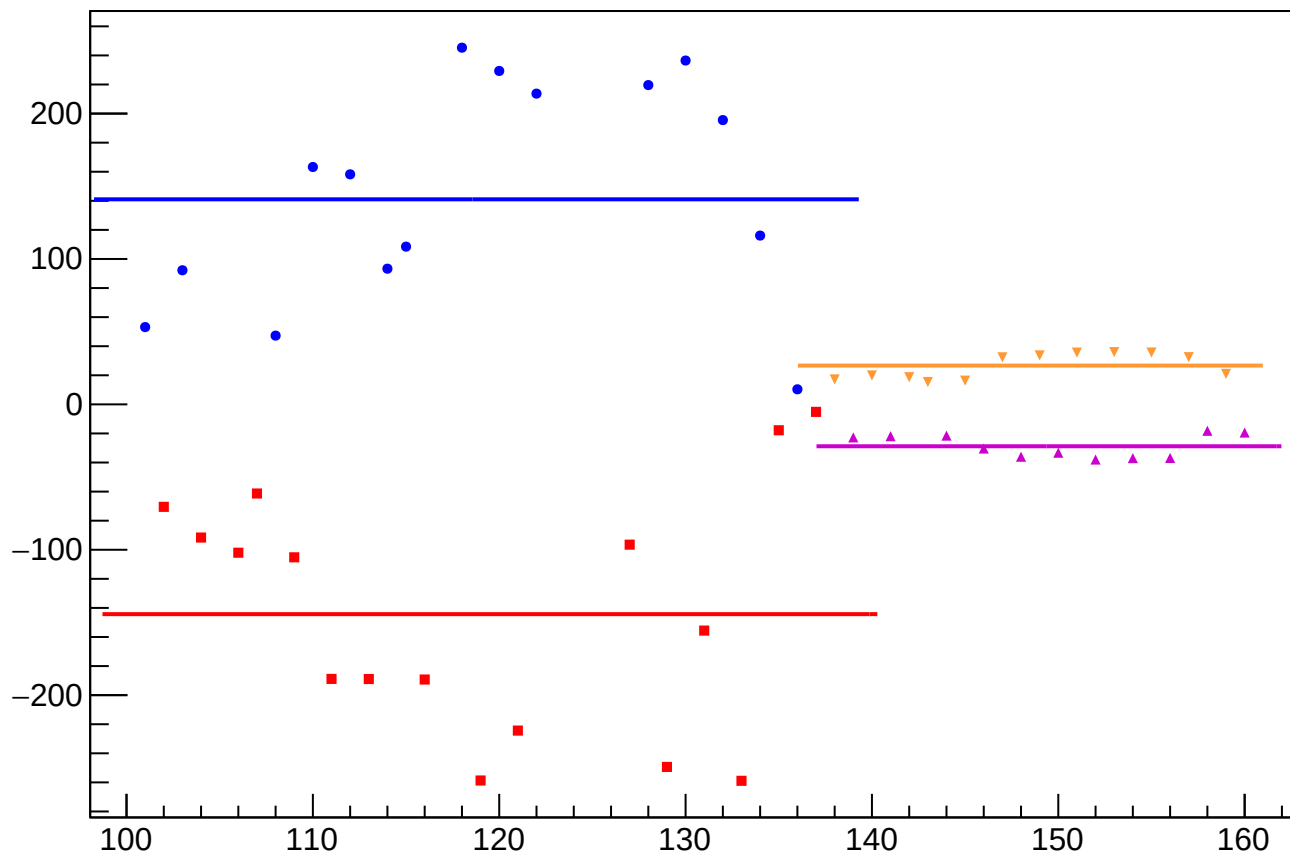
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

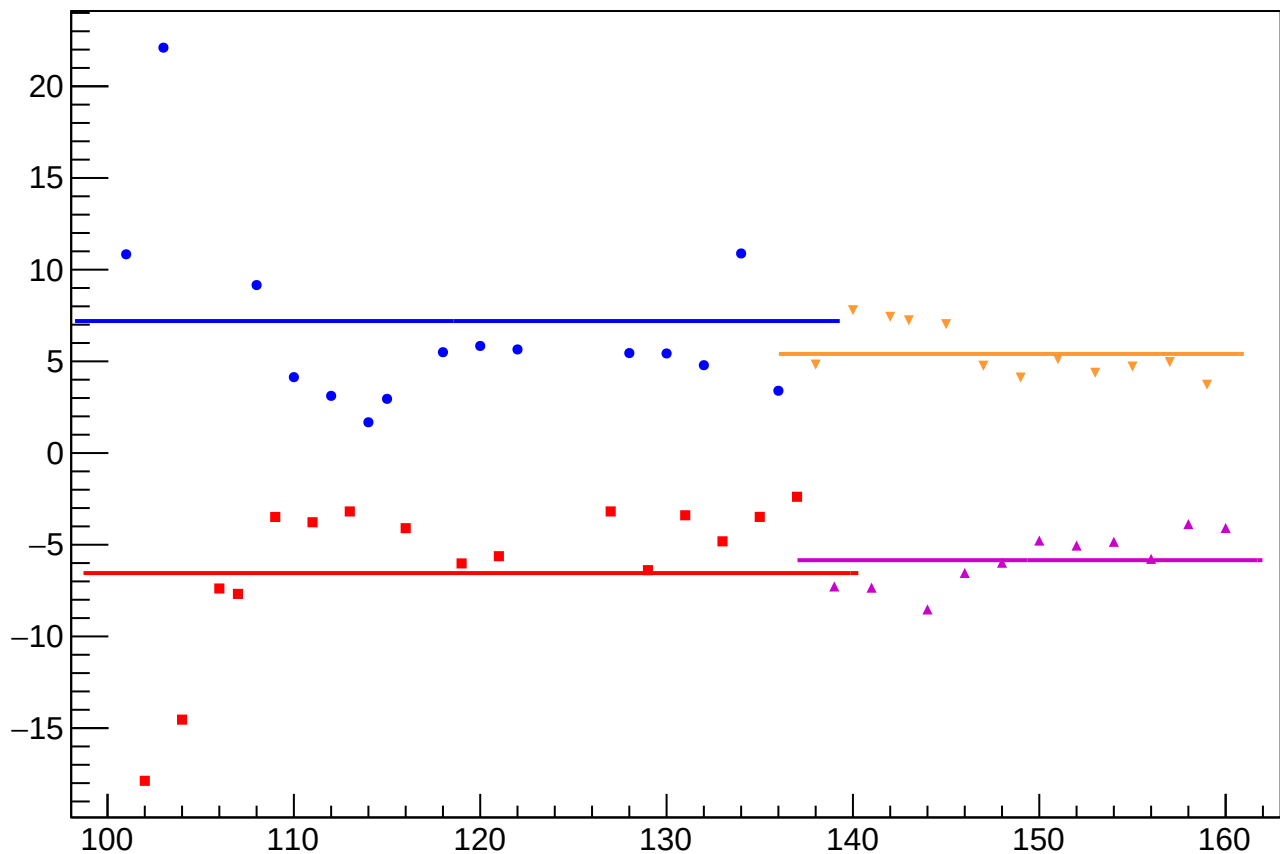
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4eX_coil7_mean vs Slug, Sign Corrected



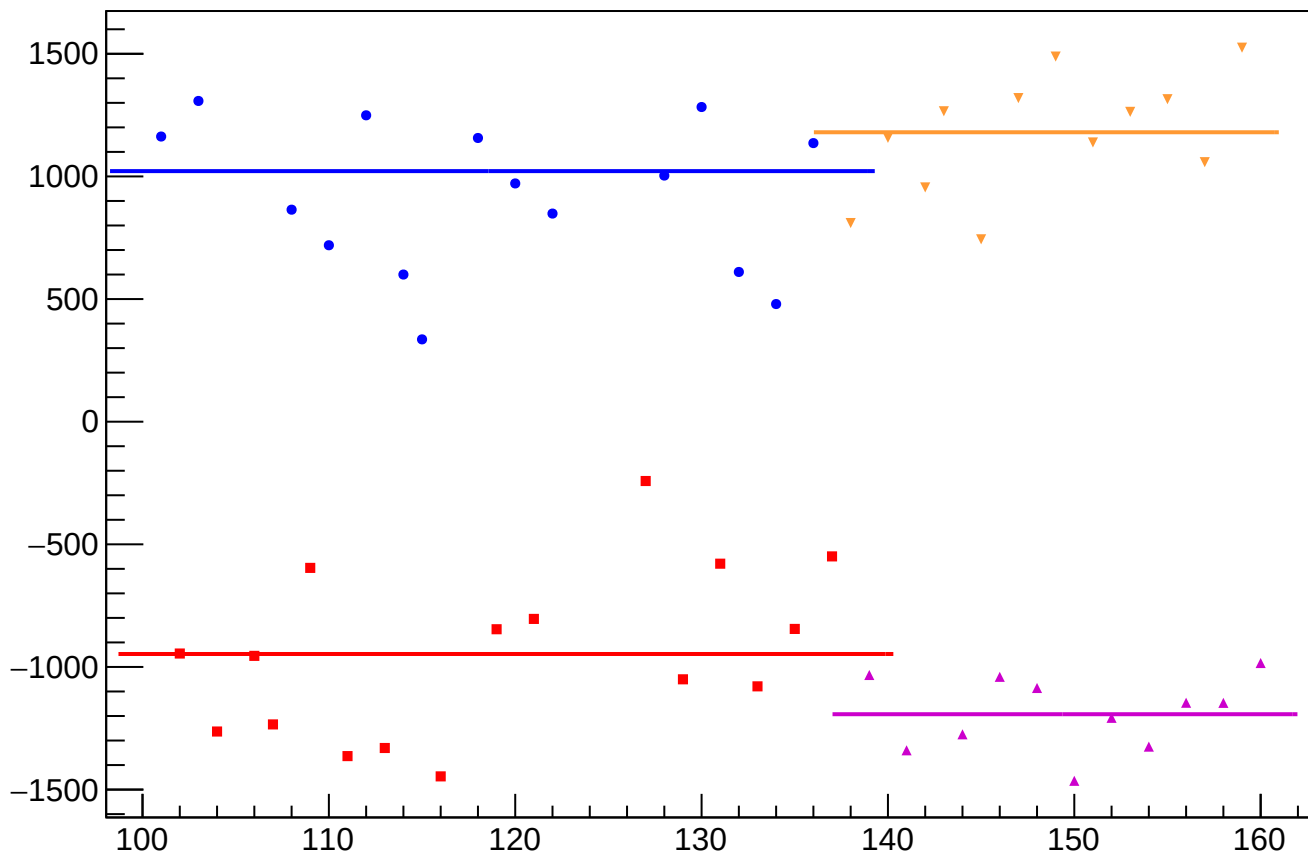
Left: -1.225 ± 0.000 $\chi^2/\text{NDF}: 15294237123103654$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Left Out: 26.669 ± 0.000 $\chi^2/\text{NDF}: 62522343114115856238629096966324224.0/11$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 In: 41.261 ± 0.000 $\chi^2/\text{NDF}: 155582029133540229$
 Out: -45.453 ± 0.000 $\chi^2/\text{NDF}: 1559993230161443$
 Left In: -28.817 ± 0.000 $\chi^2/\text{NDF}: 52309797532132393990553277307027456.0/10$
 All: -2.206 ± 0.000 $\chi^2/\text{NDF}: 3708705323759$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



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

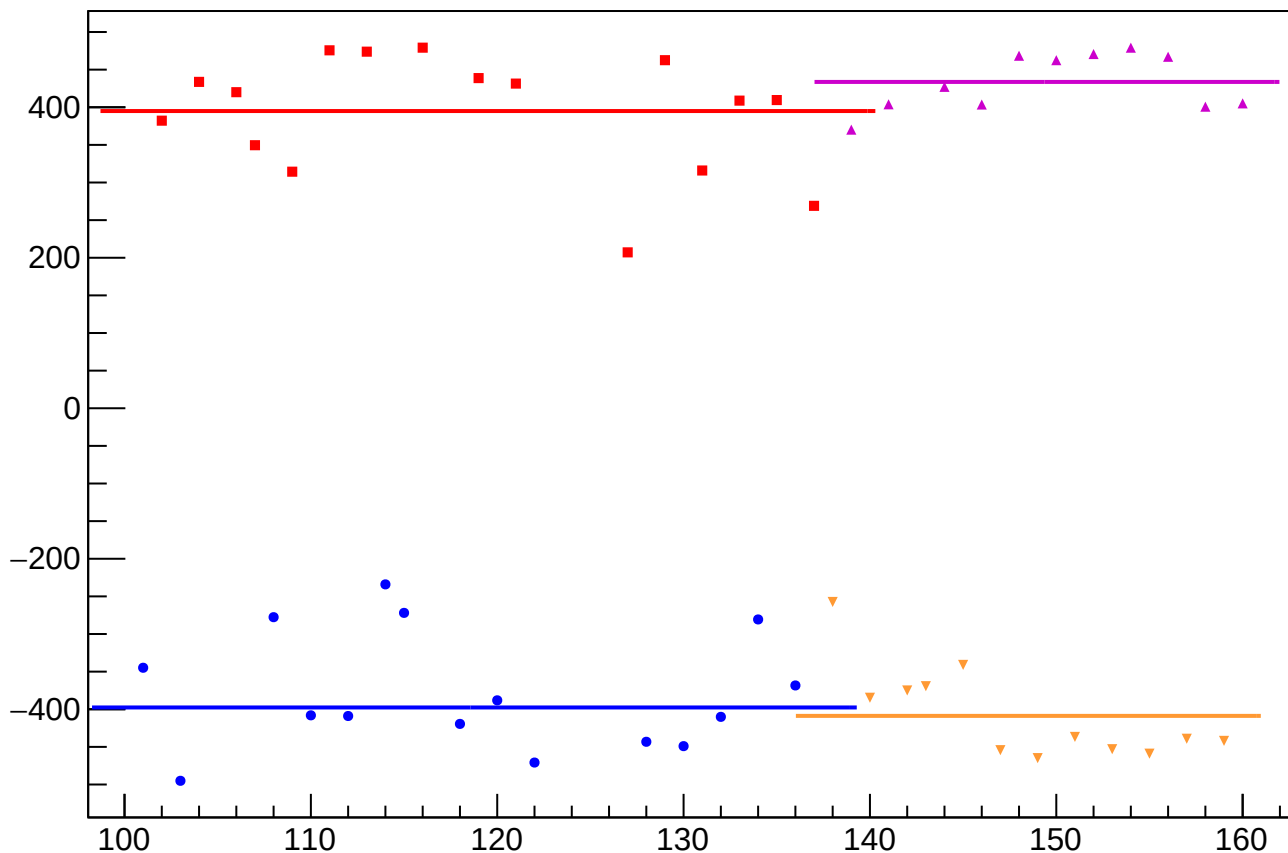
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

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

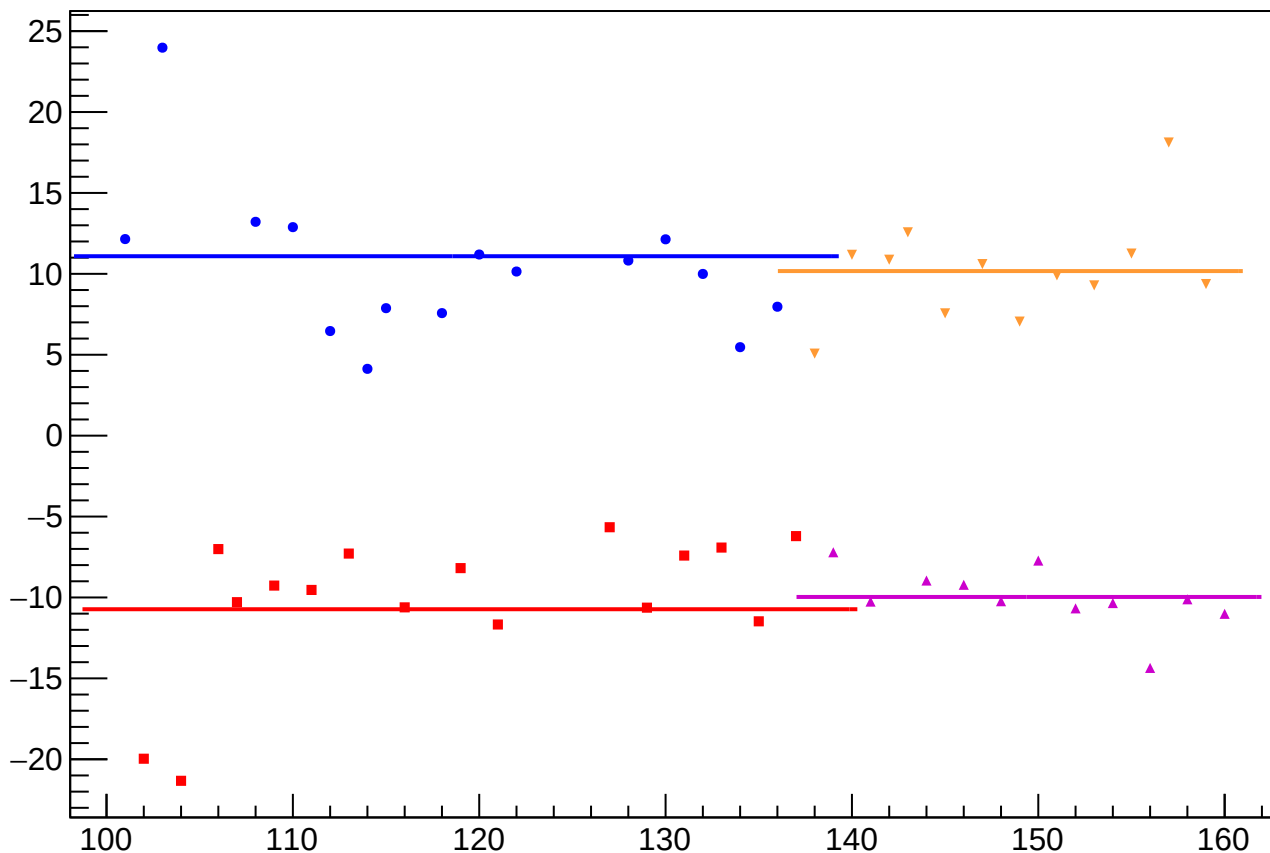
Right: 4.100+/-0.000 χ^2/NDF : 21298342988437283

In: 90.690+/-0.000 χ^2/NDF : 267298439260479340

Out: -69.697+/-0.000 χ^2/NDF : 2561673028781217

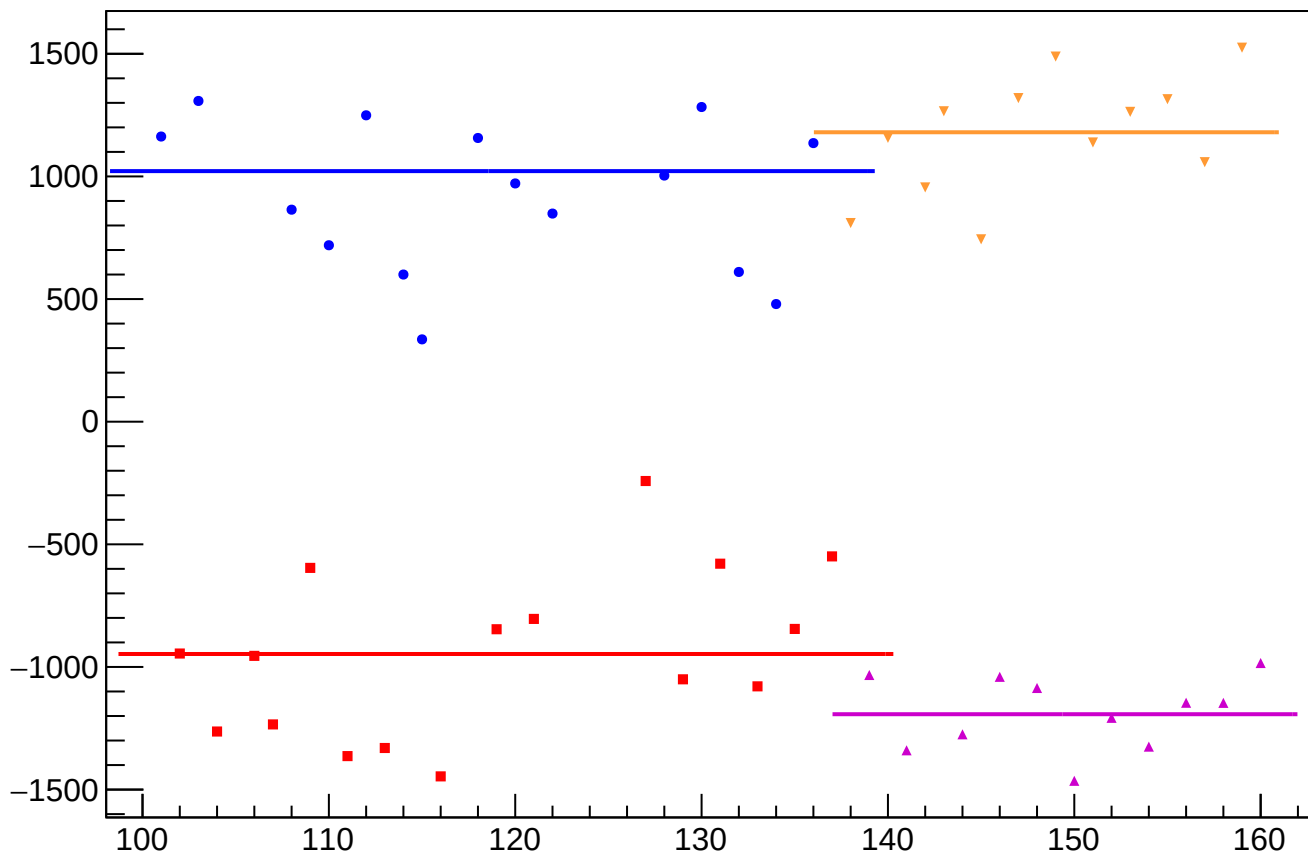
All: 10.293+/-0.000 χ^2/NDF : 5437489116587

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 11.089 $\pm$ 0.000 χ^2 /NDF: 14235991122014984478163351266918400.0/14
 Left Out: 10.171 $\pm$ 0.000 χ^2 /NDF: 9089684940831859823552687731900416.0/11
 Right Out: -10.728 $\pm$ 0.000 χ^2 /NDF: 14767238290725260908081124437131264.0/15
 Left In: -9.968 $\pm$ 0.000 χ^2 /NDF: 2905664542402179840795878184976384.0/10
 All: 0.040 $\pm$ 0.000 χ^2 /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

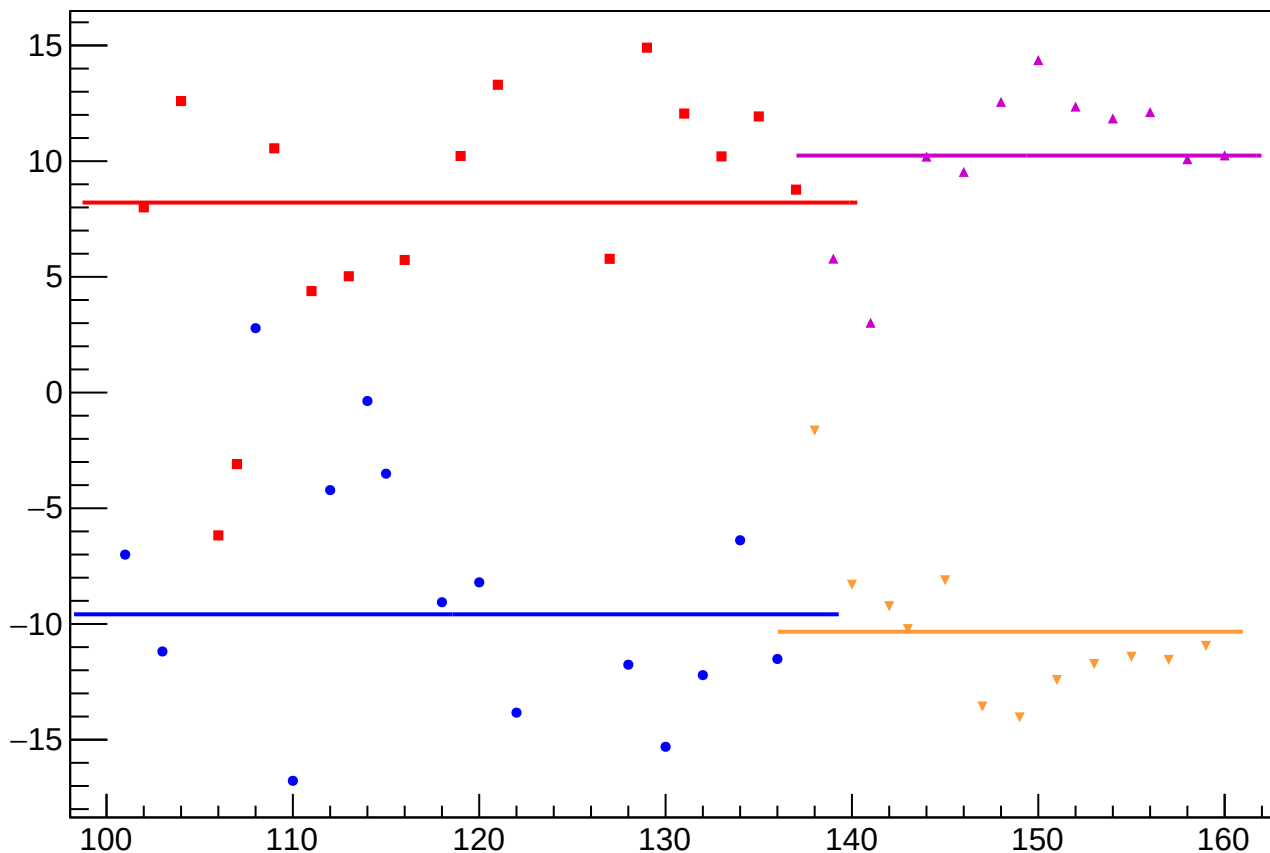
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

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 : 21288427185661419

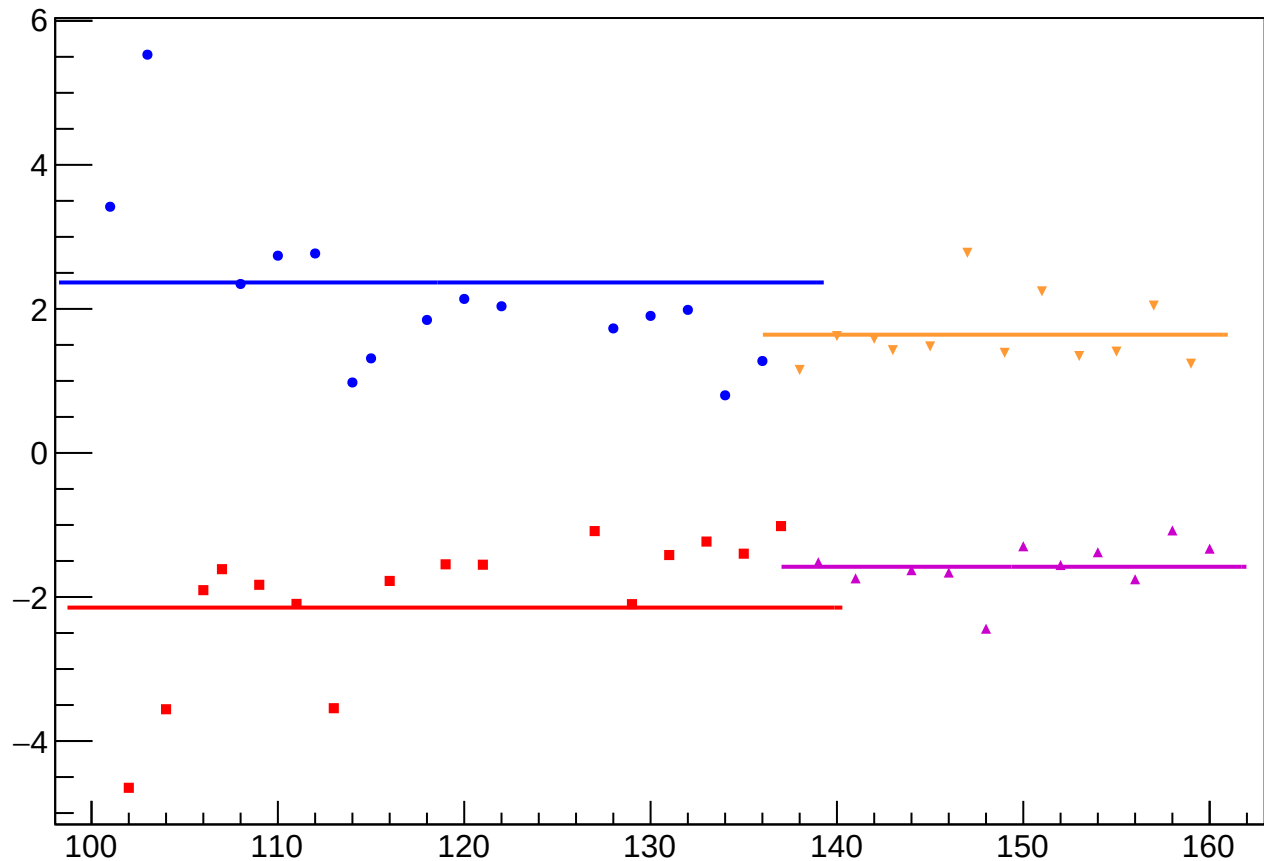
Right: -0.564 ± 0.000 χ^2/NDF : 1371493250181668

In: 2.062 ± 0.000 χ^2/NDF : 1735093437250268156

Out: -2.510 ± 0.000 χ^2/NDF : 16029265277756400

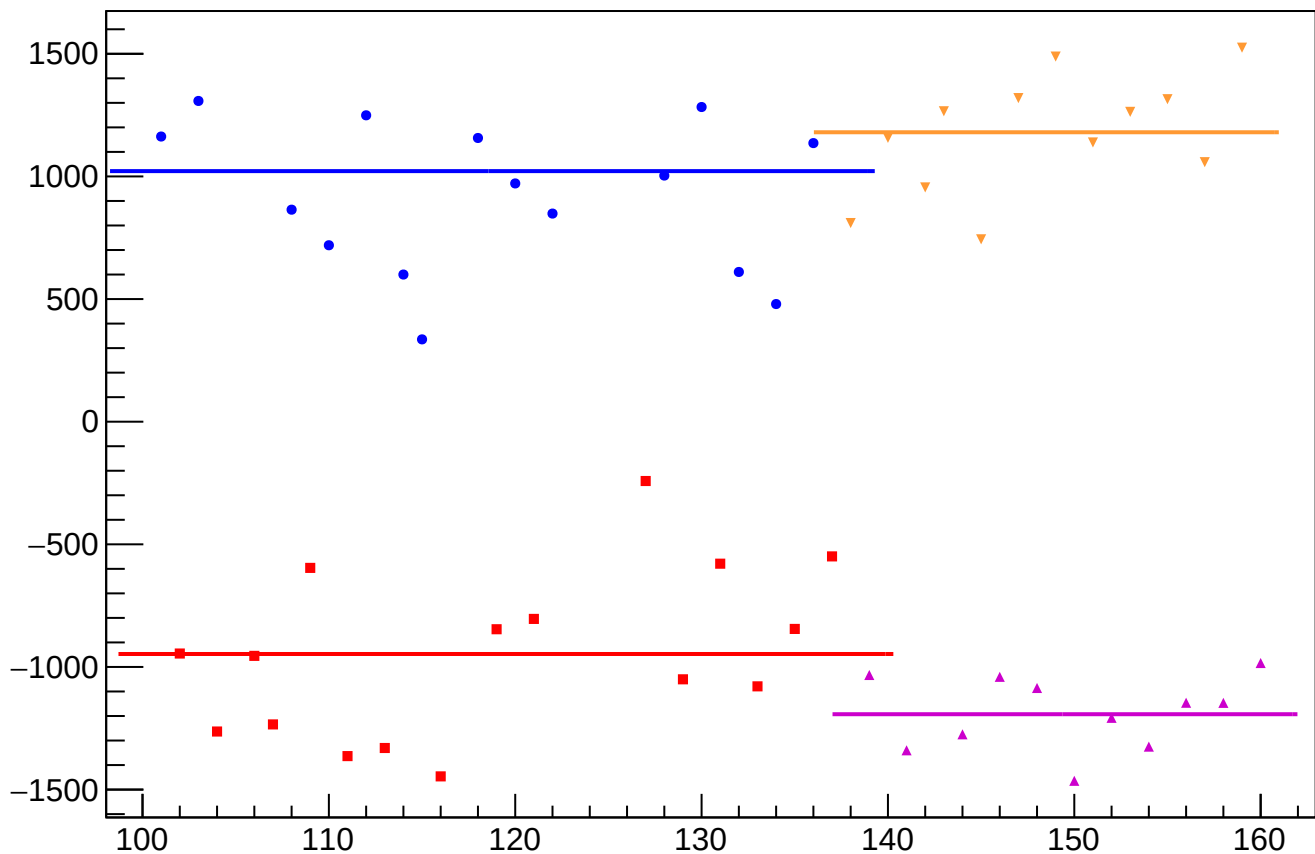
All: -0.229 ± 0.000 χ^2/NDF : 3502860386482

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.367 $\pm$ 0.000 χ^2 /NDF: 920633294546152876922066767446016.0/14
 Left Out: 1.642 $\pm$ 0.000 χ^2 /NDF: 195842148226043527039909915262976.0/11
 Right Out: -2.147 $\pm$ 0.000 χ^2 /NDF: 764171992480224478656127555338240.0/15
 Left In: -1.580 $\pm$ 0.000 χ^2 /NDF: 104159820106689813353171792166912.0/10
 All: 0.046 $\pm$ 0.000 χ^2 /NDF: 13461521258222

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1180.103 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1192.687 $\pm$ 0.000

χ^2 /NDF: 40493101470870278397836276403592495104.0/14

χ^2 /NDF: 50788606804690292724539730503787347968.0/11

χ^2 /NDF: 67784656011936521511169668028018196480.0/15

χ^2 /NDF: 19255287383728205662654022867381911552.0/10

Left: -12.747 $\pm$ 0.000 χ^2 /NDF: 2657013306605046

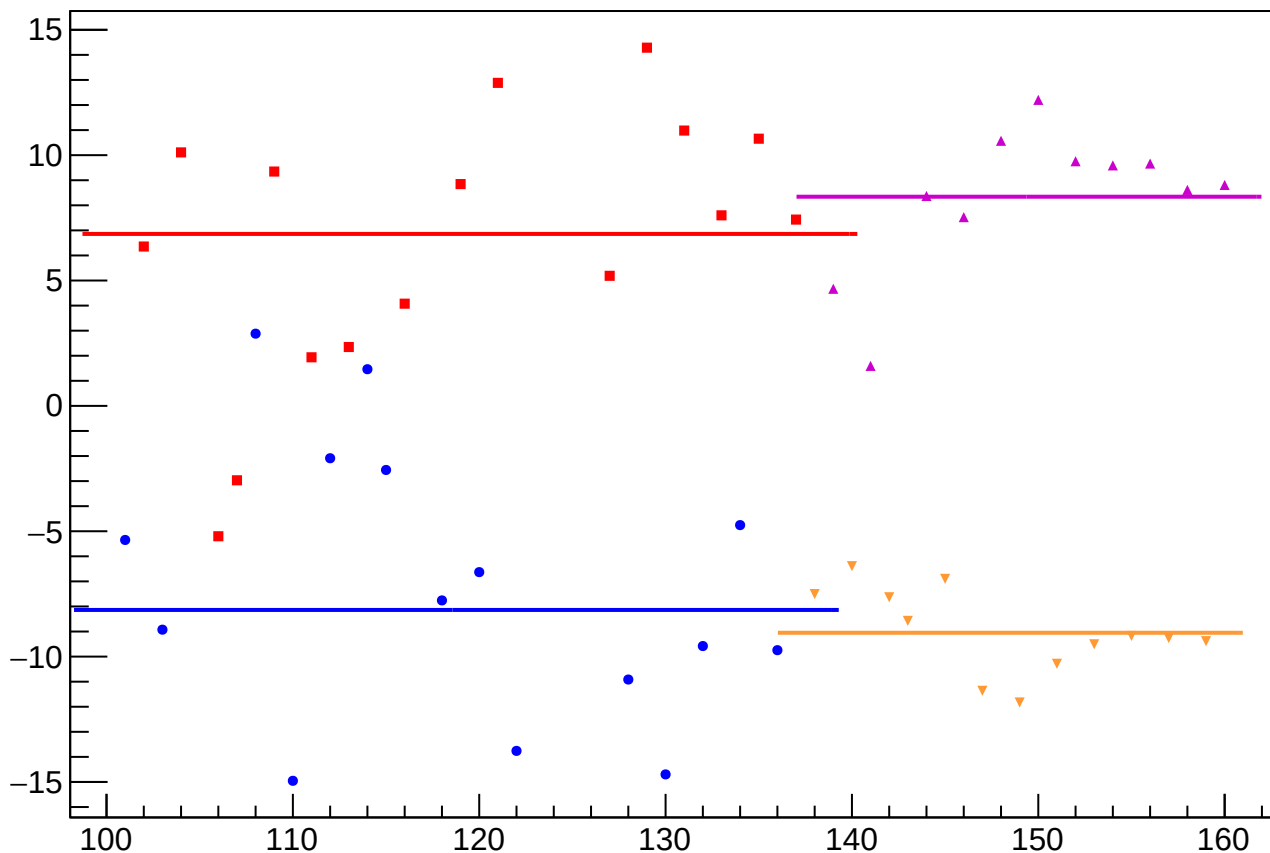
Right: 23.805 $\pm$ 0.000 χ^2 /NDF: 1383338523153511

In: -279.065 $\pm$ 0.000 χ^2 /NDF: 1929090788254319

Out: 282.649 $\pm$ 0.000 χ^2 /NDF: 1863497273761245

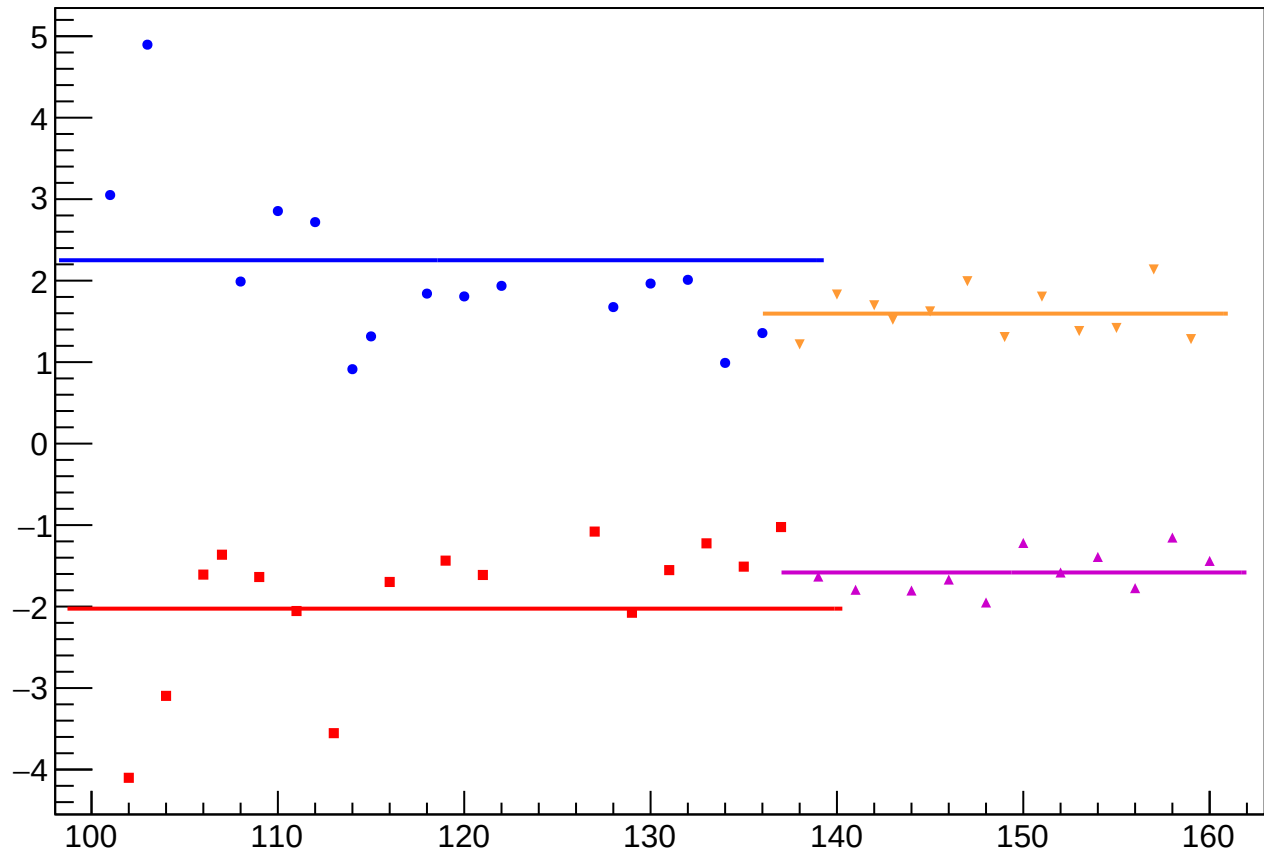
All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_4eY_coil7_mean vs Slug, Sign Corrected



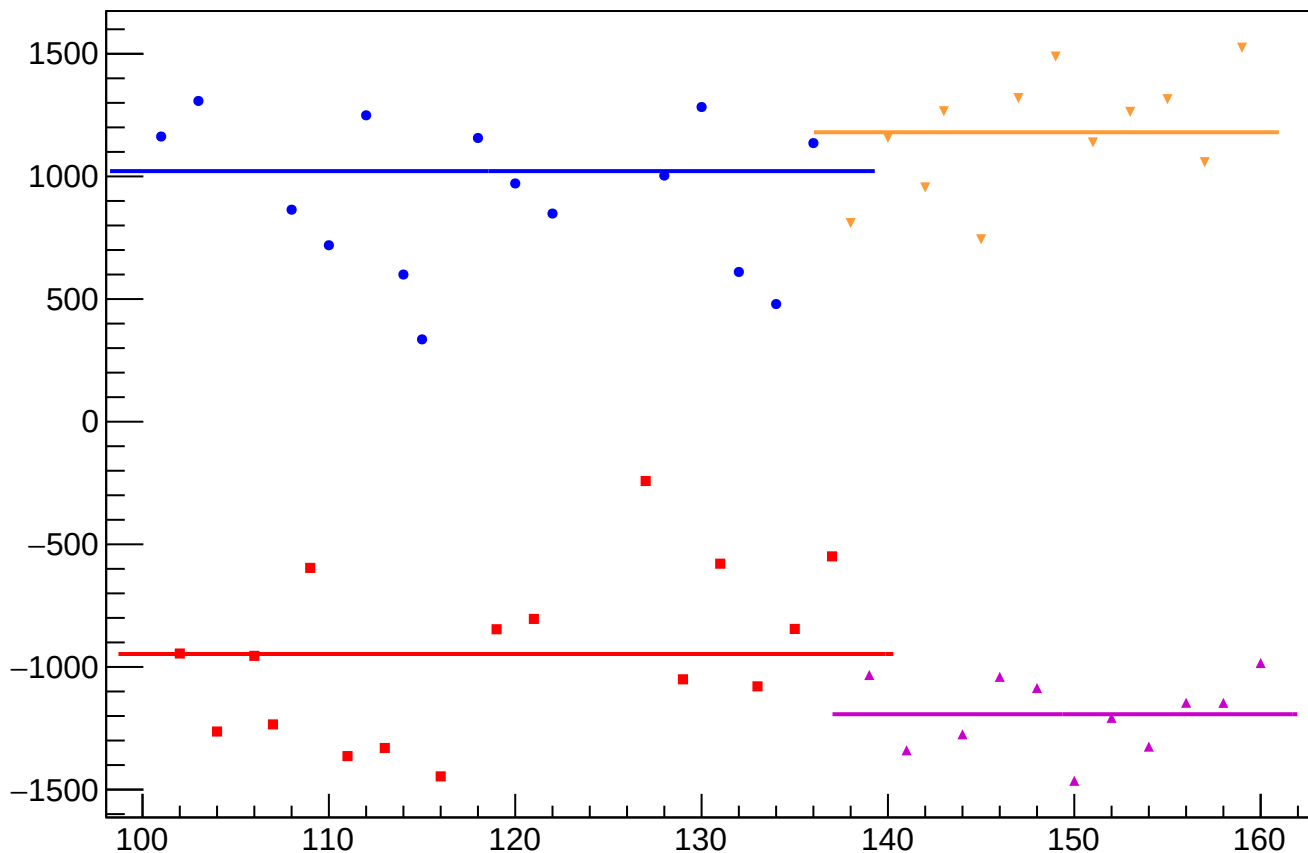
Right In: -8.139 ± 0.000 $\chi^2/\text{NDF}: 14676442649222120372533779893321728.0/14$
 Left Out: -9.049 ± 0.000 $\chi^2/\text{NDF}: 2449058506184839792133889501167616.0/11$
 Right Out: 6.859 ± 0.000 $\chi^2/\text{NDF}: 16483631561591790731352632153079808.0/15$
 Left In: 8.343 ± 0.000 $\chi^2/\text{NDF}: 7268690948063694771204756789526528.0/10$
 All: -0.402 ± 0.000 $\chi^2/\text{NDF}: 2538807042517$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



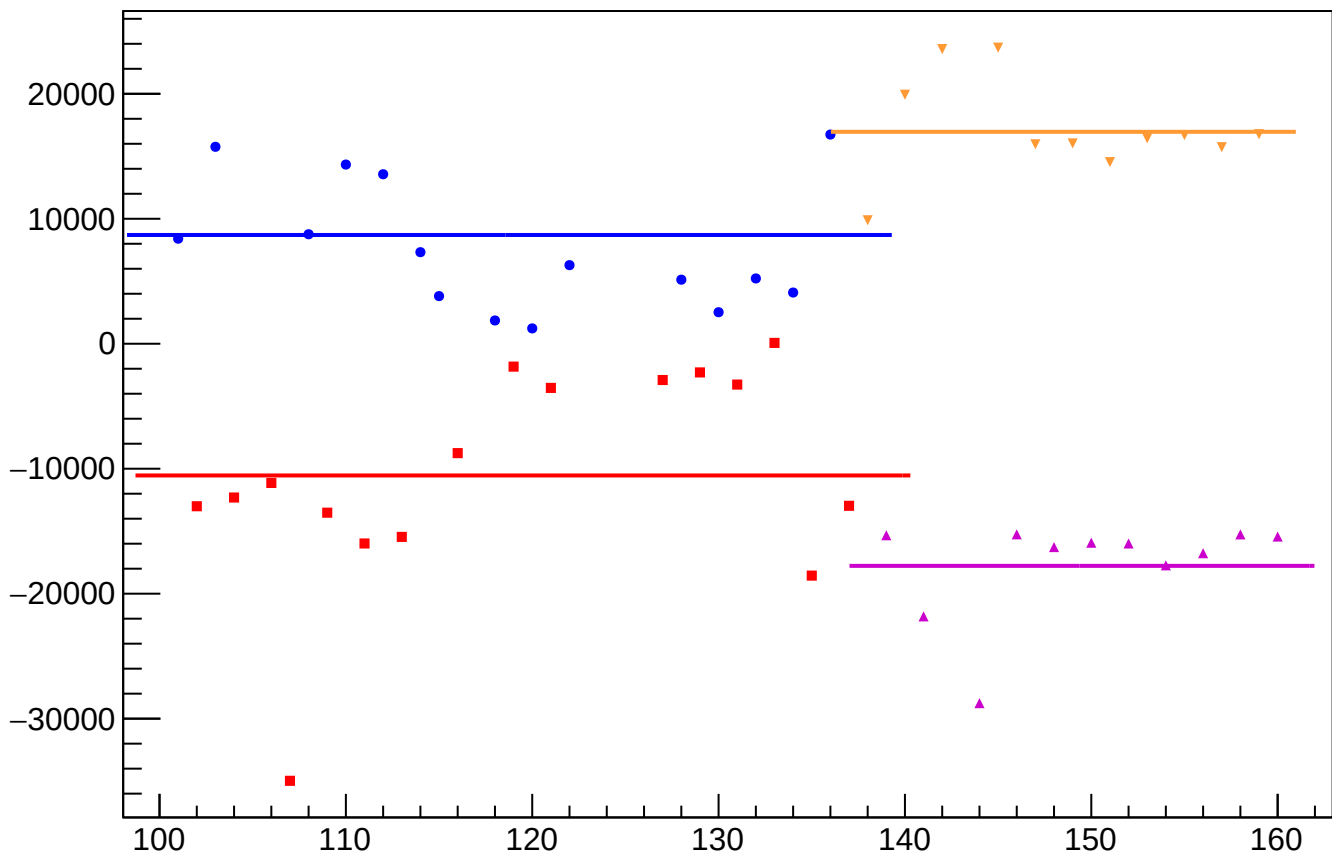
Right In: 2.250 +/- 0.000 χ^2/NDF : 656774588136274816295442701090816.0/14
 Left Out: 1.595 +/- 0.000 χ^2/NDF : 76549213292208781148545230045184.0/11
 Right Out: -2.025 +/- 0.000 χ^2/NDF : 578717441762956454616505599918080.0/15
 Left In: -1.582 +/- 0.000 χ^2/NDF : 54930988145763434904897999339520.0/10
 All: 0.034 +/- 0.000 χ^2/NDF : 12024014402929

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



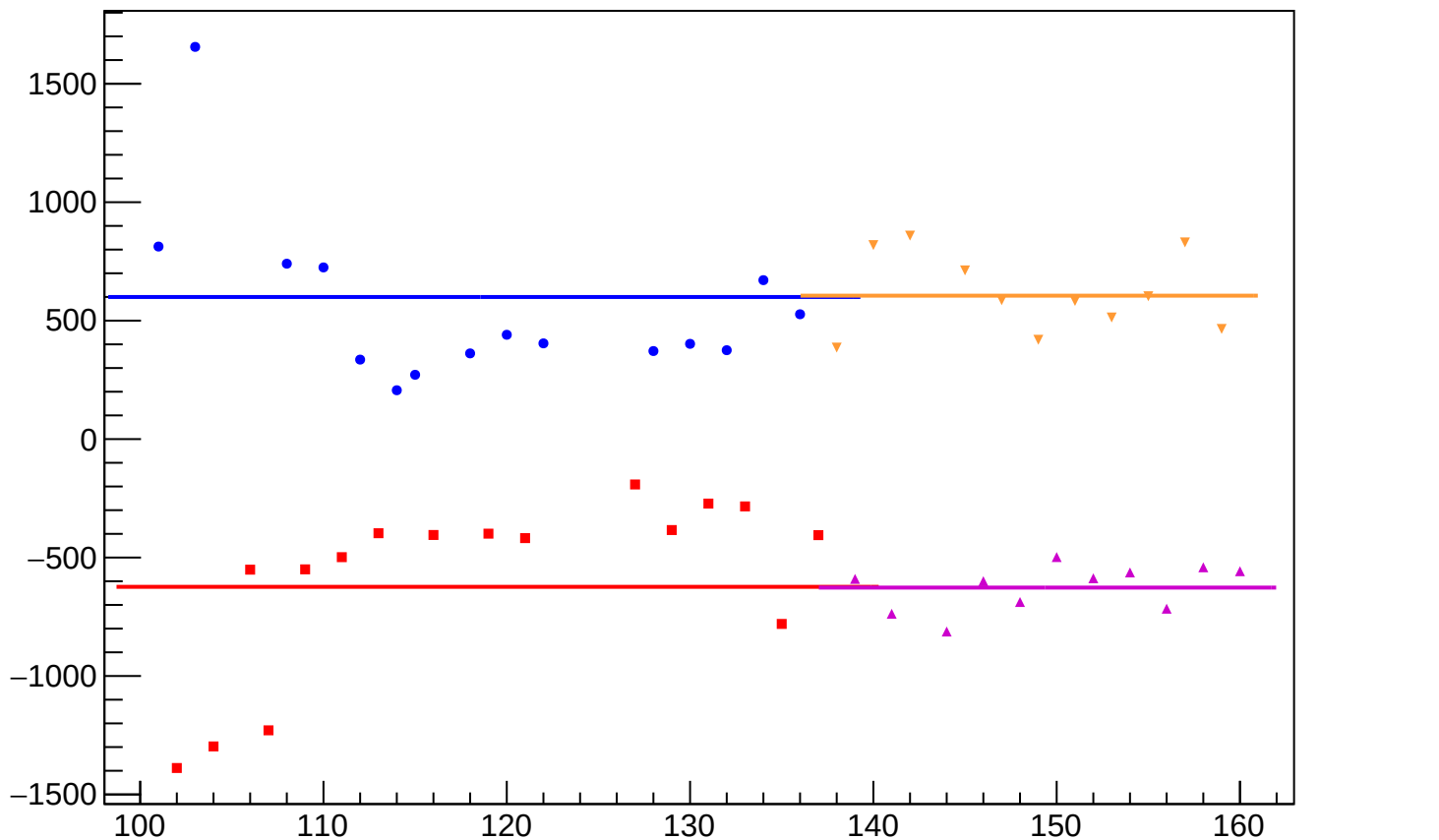
Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_usl_coil7_mean vs Slug, Sign Corrected



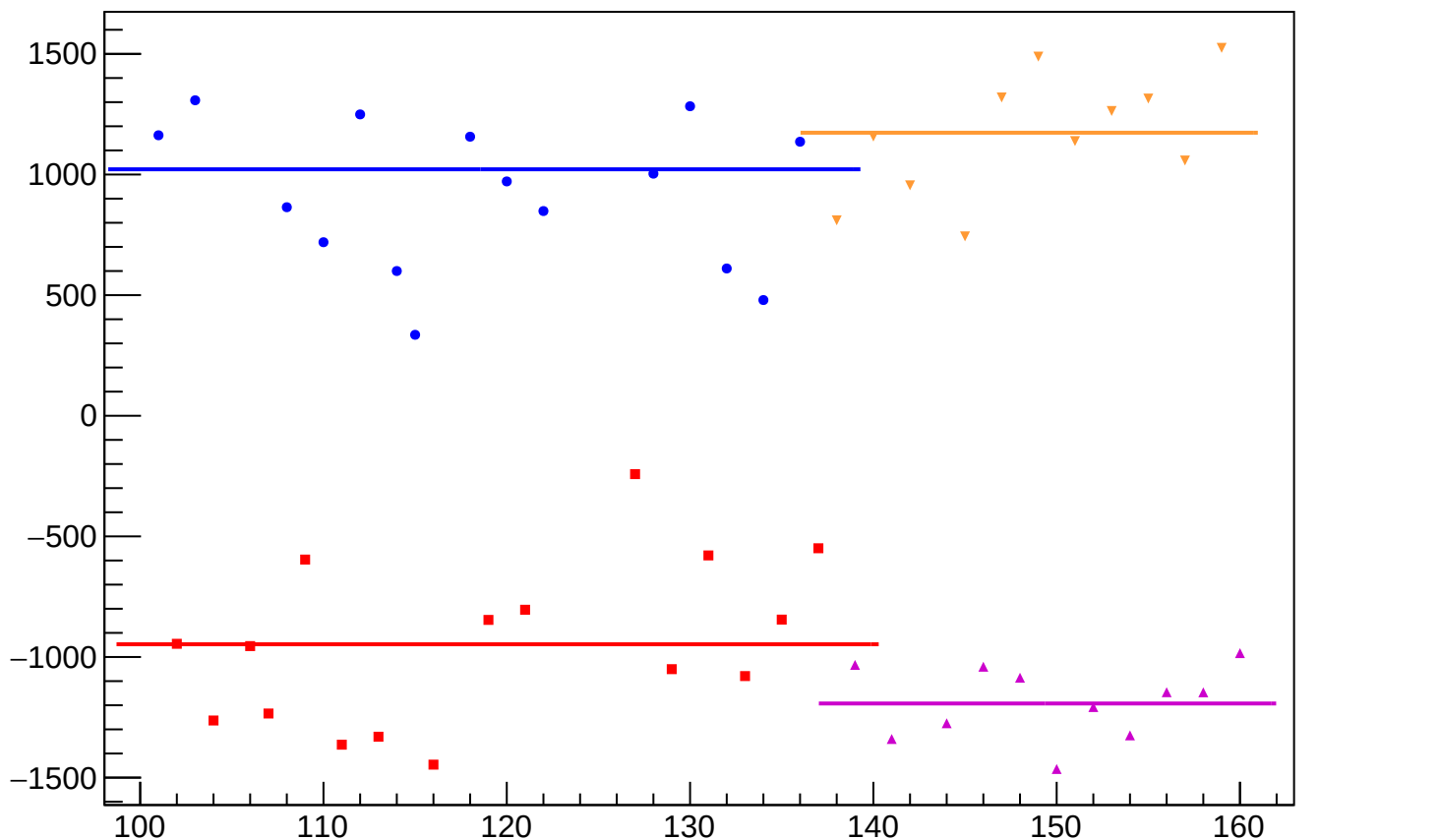
Left: -1162.779 ± 0.000 $\chi^2/\text{NDF}: 55890843498990$
 Right In: 8703.332 ± 0.000 $\chi^2/\text{NDF}: 19501133067308426859536304500819191922688.0/14$
 Left Out: 16957.575 ± 0.000 $\chi^2/\text{NDF}: 10938008625550561770285254297697243889664.0/10$
 Right Out: -10539.327 ± 0.000 $\chi^2/\text{NDF}: 46226684227836109273394062569753758662656.0/15$
 Left In: -17773.103 ± 0.000 $\chi^2/\text{NDF}: 14926066991142889452676587552618632445952.0/10$
 All: -1114.529 ± 0.000 $\chi^2/\text{NDF}: 7464452329$

dit_usl_coil7_err_mean vs Slug, Sign Corrected



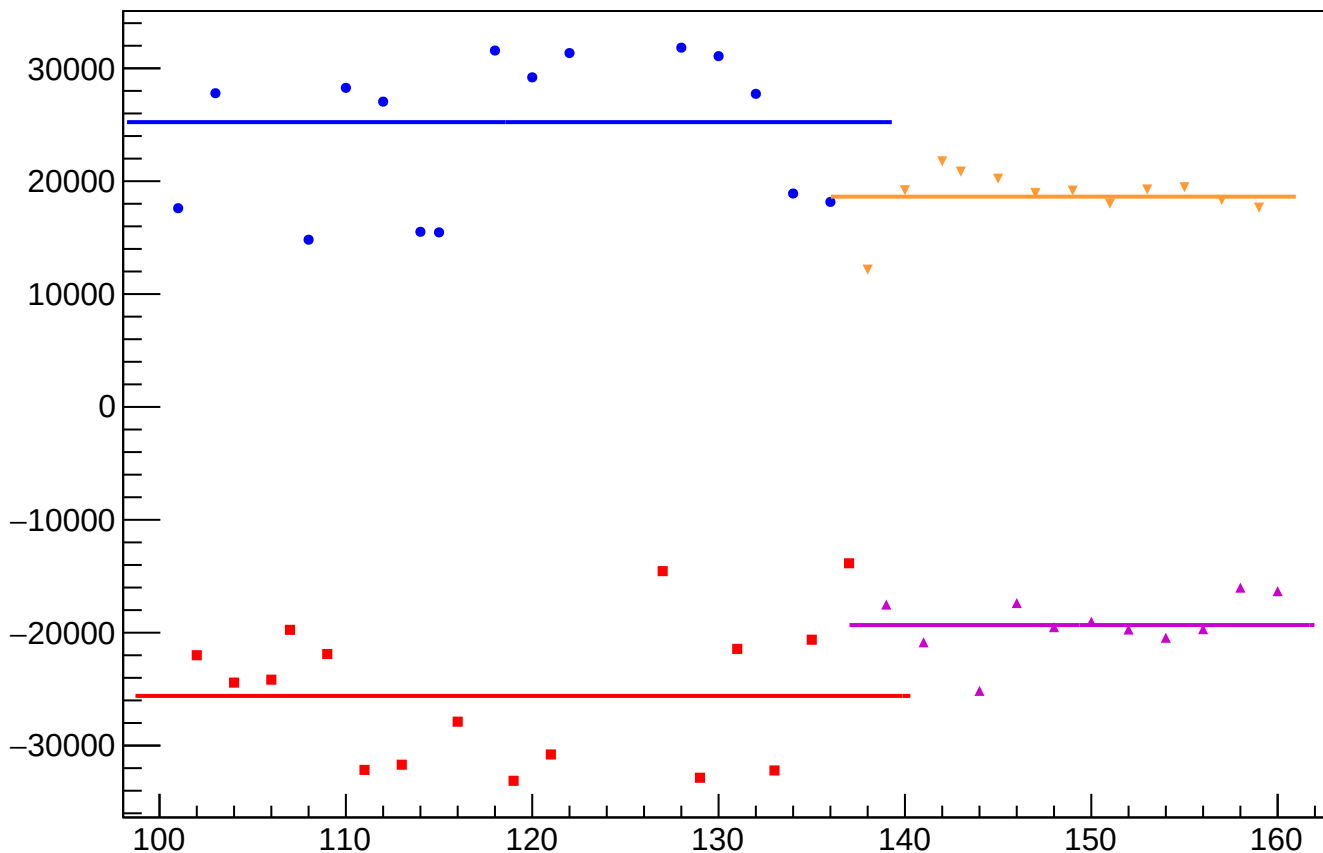
Right In: 599.849+/-0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 605.454+/-0.000 χ^2/NDF : 20600036696576889686488913862706855936.0/10
 Right Out: -623.569+/-0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785+/-0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.110+/-0.000 χ^2/NDF : 138304886705

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



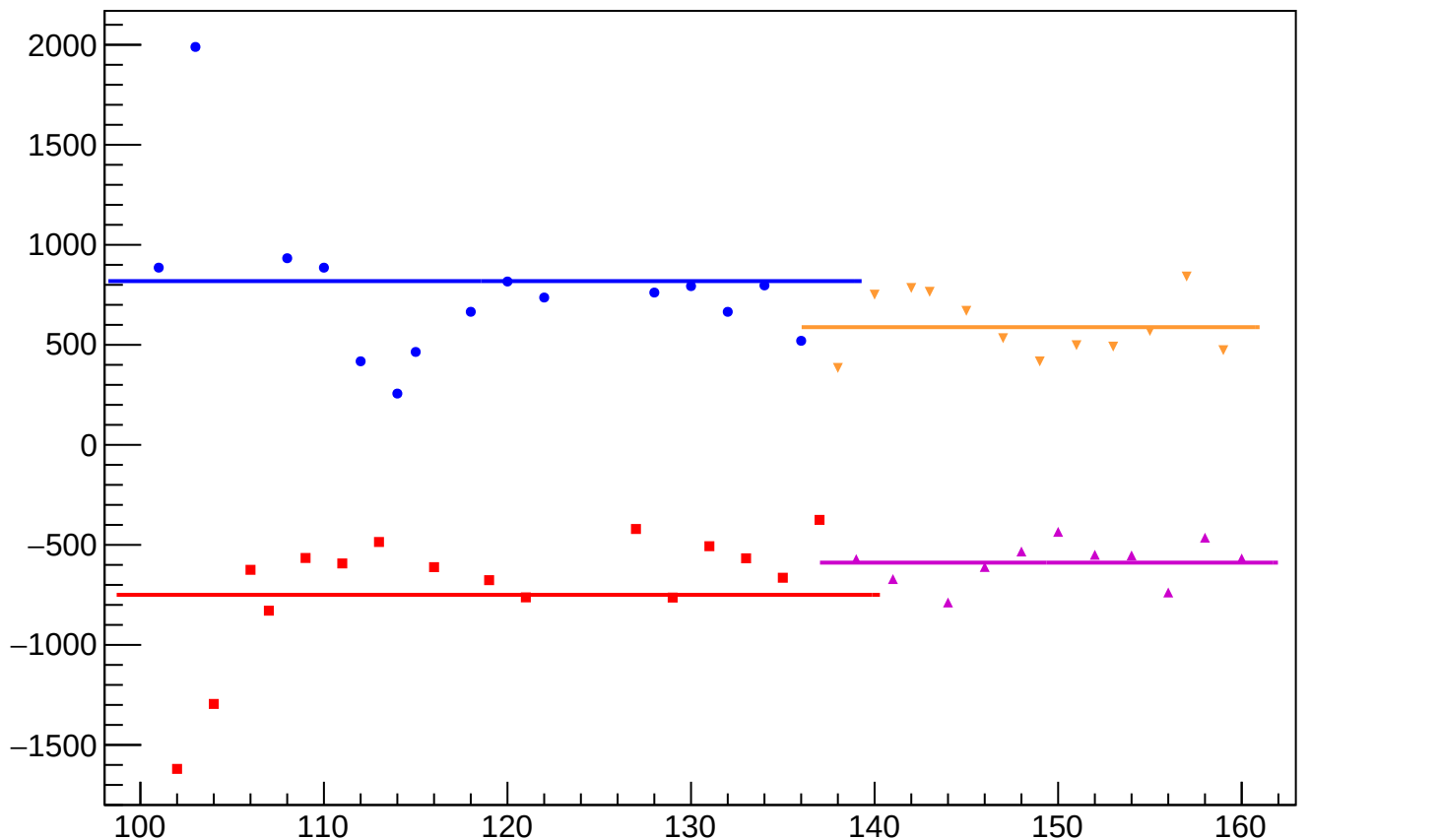
Left: -61.112 +/- 0.000 χ^2/NDF : 2543368931885977
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1173.334 +/- 0.000 χ^2/NDF : 50259225692125439679244442751924699136.0/10
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.912 +/- 0.000 χ^2/NDF : 393215150522

dit_usr_coil7_mean vs Slug, Sign Corrected



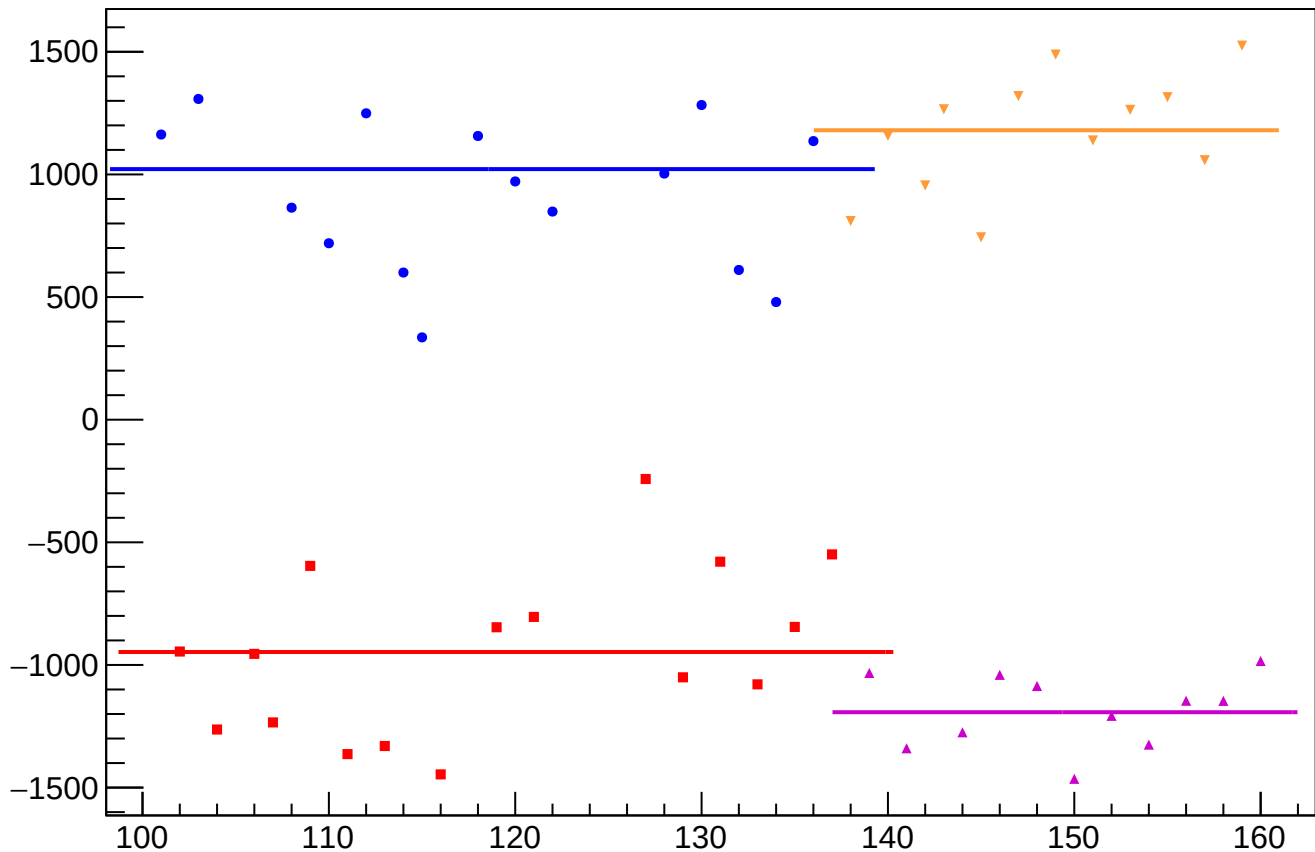
Right In: 25232.229+/-0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Left Out: 18630.609+/-0.000 χ^2/NDF : 4499157177792733453337123782201790431232.0/11
 Right Out: -25601.388+/-0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Left In: -19322.974+/-0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.976+/-0.000 χ^2/NDF : 15707826192

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 ± 0.000 $\chi^2/\text{NDF}: 105606527096911974489496802318373355520.0/14$
 Left Out: 588.391 ± 0.000 $\chi^2/\text{NDF}: 20060197377989114991296665666078113792.0/11$
 Right Out: -749.661 ± 0.000 $\chi^2/\text{NDF}: 77972691834605708706145461250669150208.0/15$
 Left In: -588.693 ± 0.000 $\chi^2/\text{NDF}: 9904386894828699094725074481582178304.0/10$
 All: 7.967 ± 0.000 $\chi^2/\text{NDF}: 16598147133155$

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

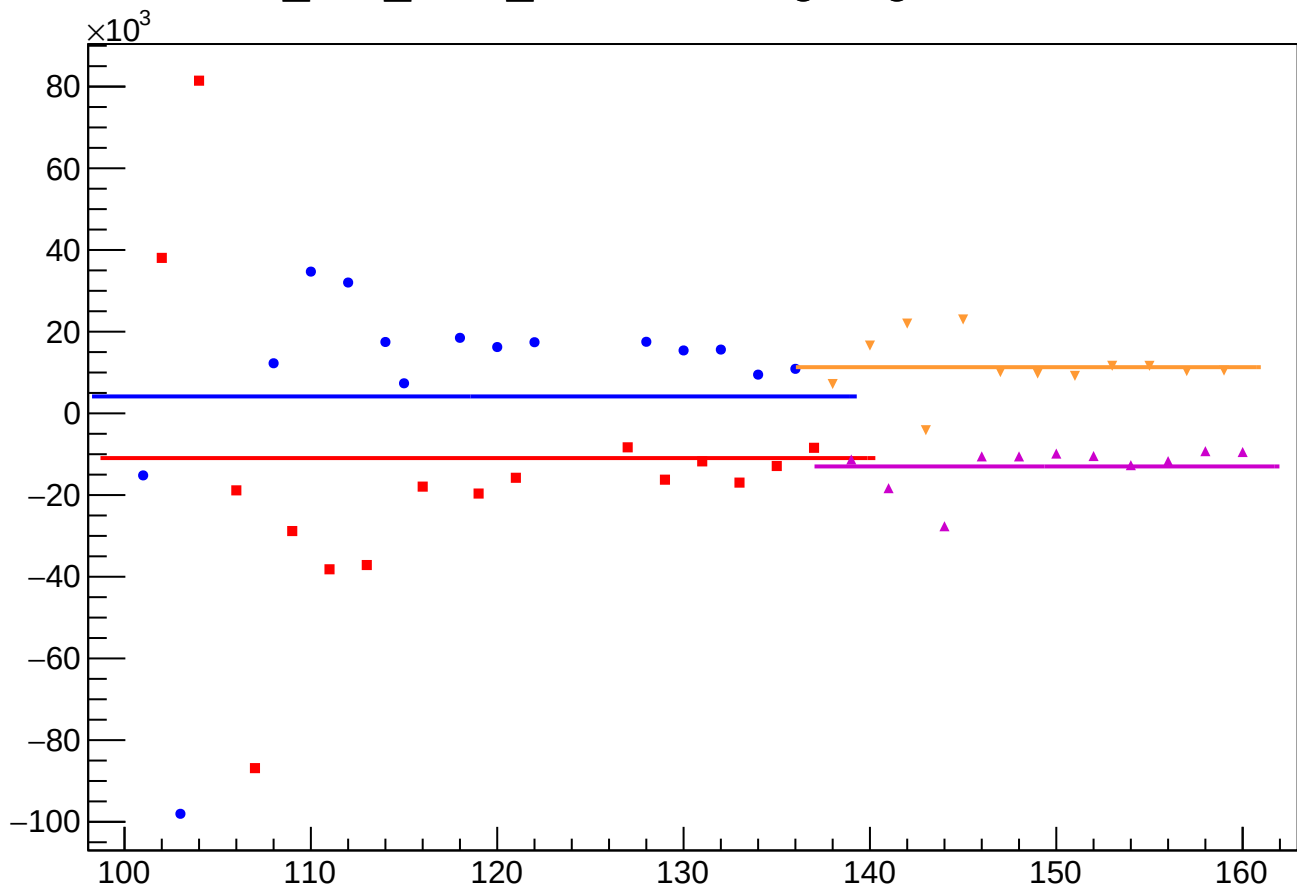
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

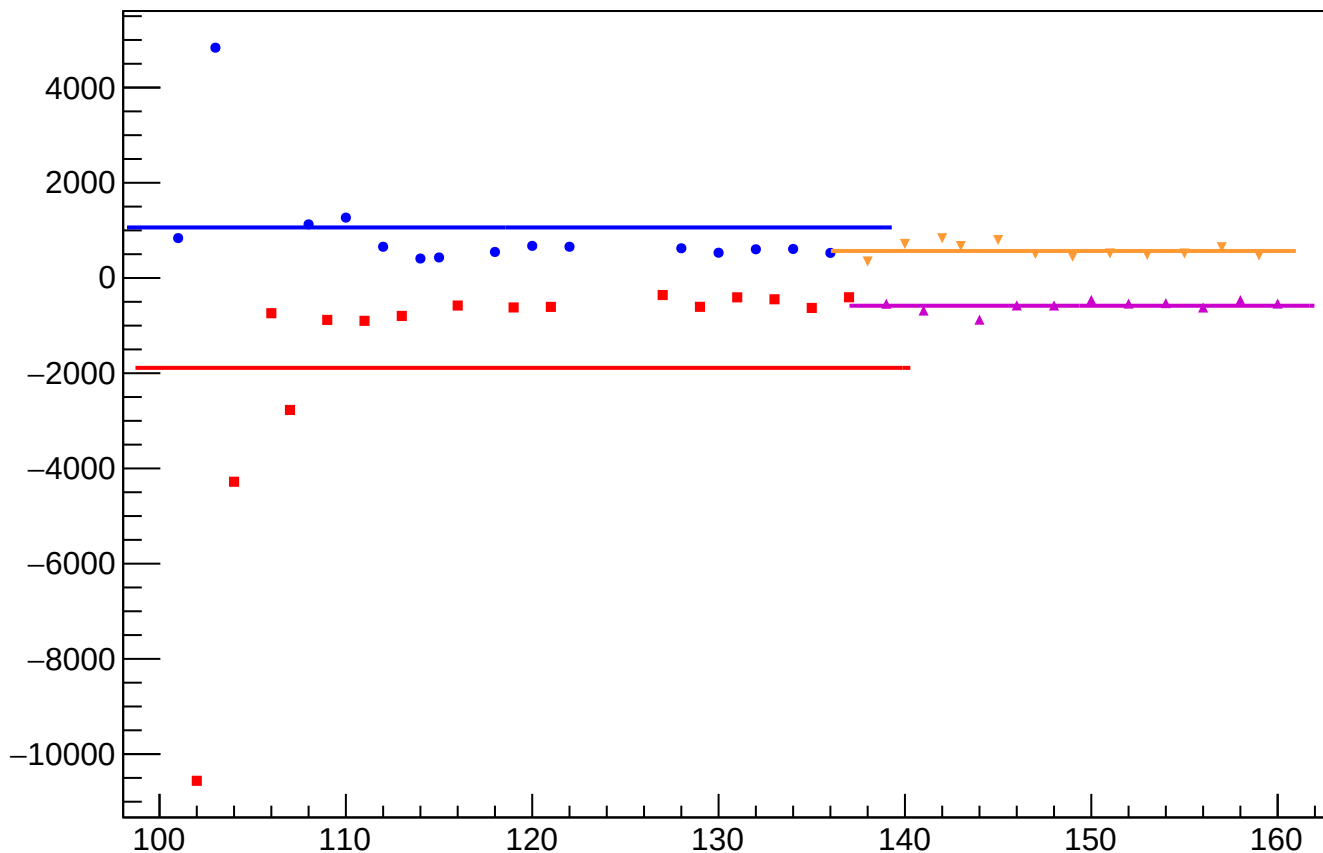
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl1_coil7_mean vs Slug, Sign Corrected



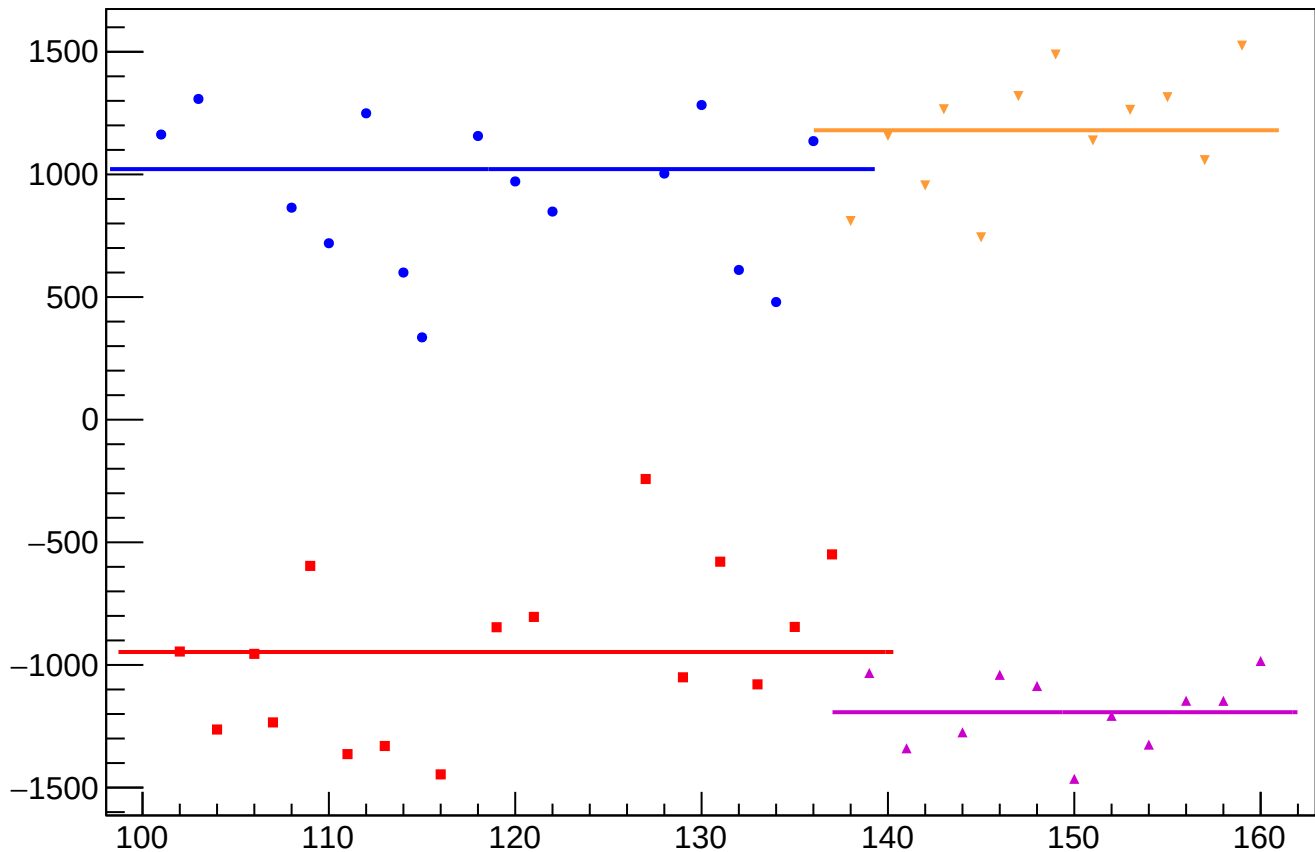
Left: -909.343 ± 0.000 $\chi^2/\text{NDF}: 334047502497759$
 Right In: 4145.268 ± 0.000 $\chi^2/\text{NDF}: 763693998395064689637972381933507648159744.0/14$
 Right: -3504.625 ± 0.000 $\chi^2/\text{NDF}: 1712578788282$
 Left Out: 11307.773 ± 0.000 $\chi^2/\text{NDF}: 36281065862244259787300982388178548686848.0/11$
 In: -5922.694 ± 0.000 $\chi^2/\text{NDF}: 902084767732052$
 Right Out: -10948.073 ± 0.000 $\chi^2/\text{NDF}: 873949668510327201514601463115396191092736.0/15$
 Out: 1918.368 ± 0.000 $\chi^2/\text{NDF}: 110122853896245$
 Left In: -12994.239 ± 0.000 $\chi^2/\text{NDF}: 26399397473209063315648711040224276250624.0/10$
 All: -1992.219 ± 0.000 $\chi^2/\text{NDF}: 2051791747$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



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

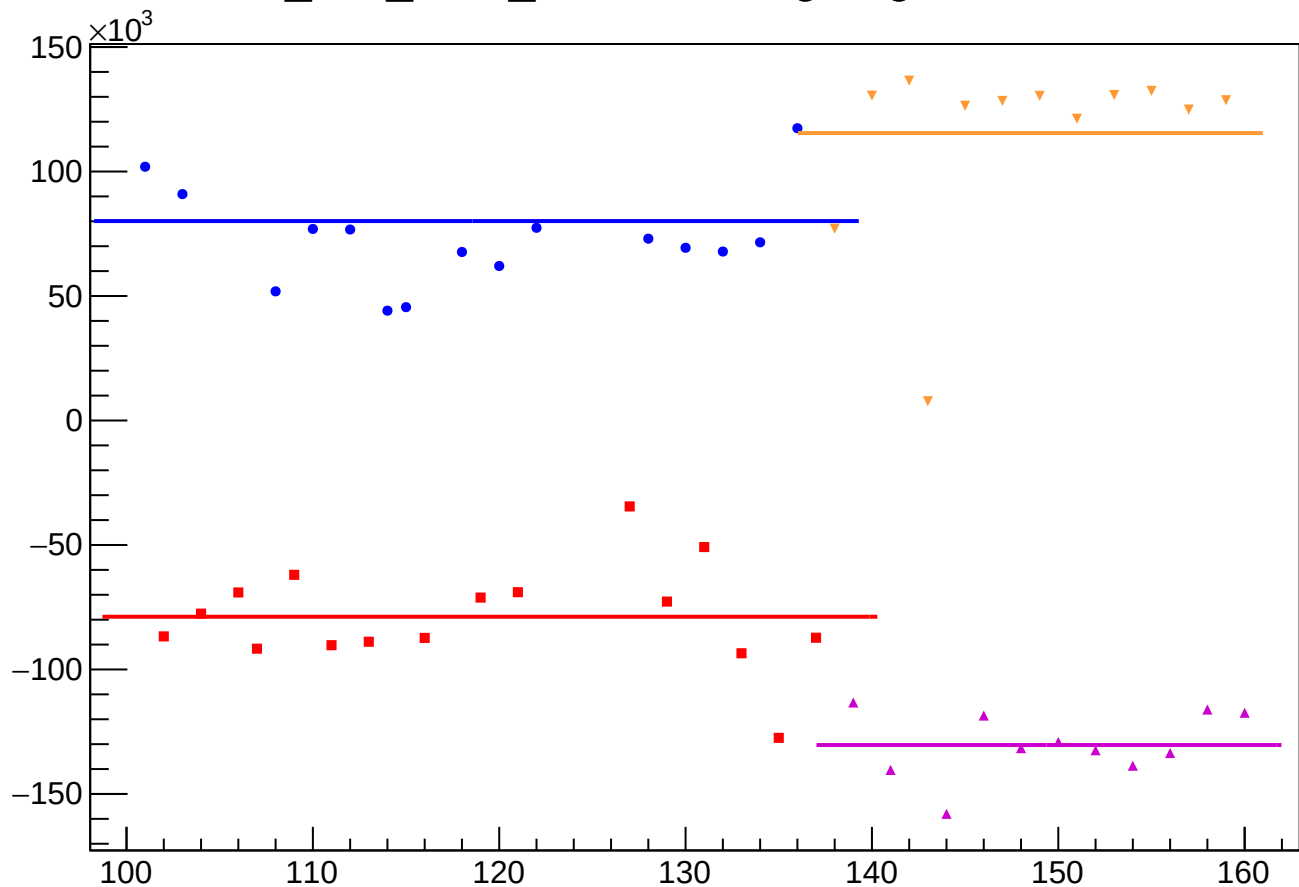
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

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

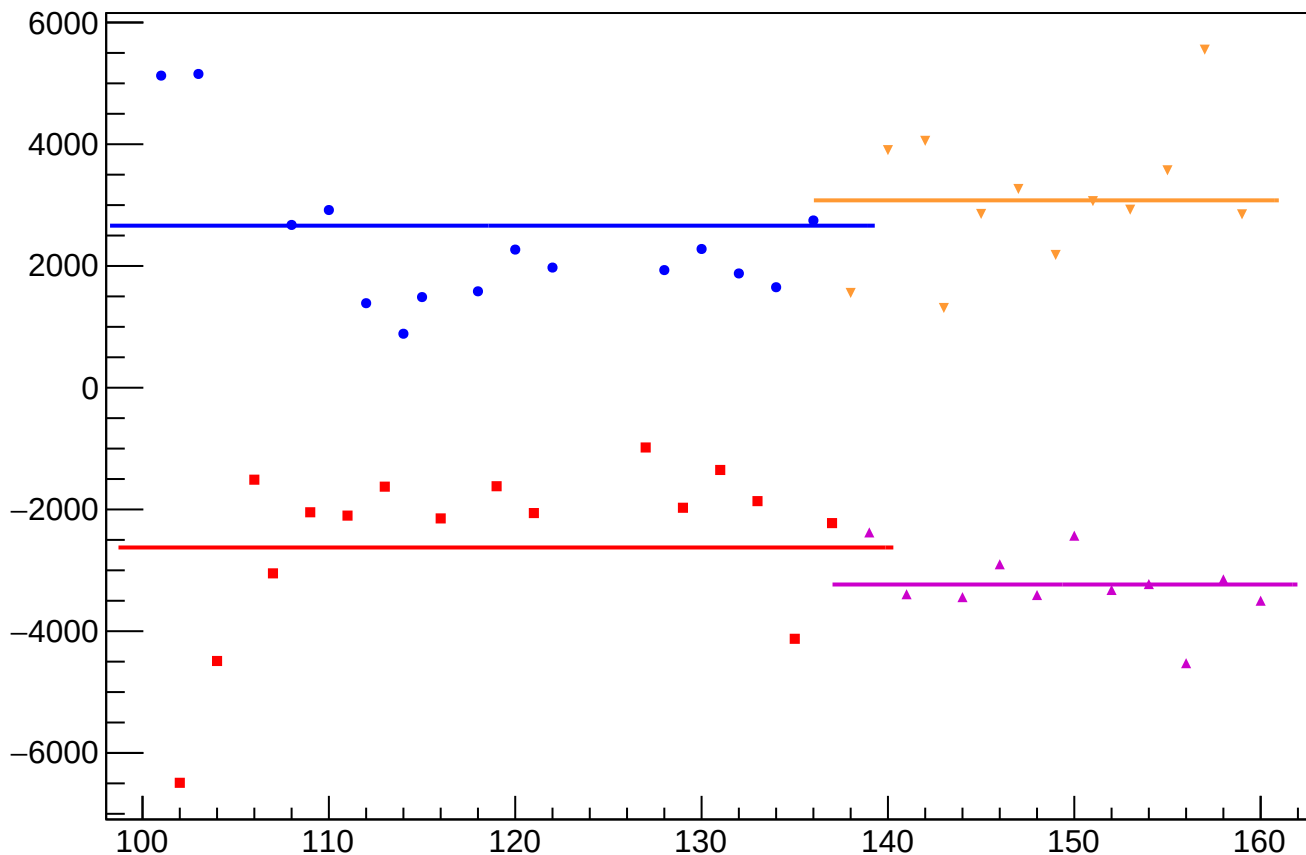
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

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

Left Out: 3077.945+/-0.000

Right Out: -2624.696+/-0.000

Left In: -3232.879+/-0.000

χ^2/NDF : 1031389230165640157864439705583367487488.0/14

χ^2/NDF : 1073709891492389198093936322660595138560.0/11

χ^2/NDF : 1566705216866534713590934835660406652928.0/15

χ^2/NDF : 275721007613891276741007240283331493888.0/10

Left: -94.635+/-0.000 χ^2/NDF : 1964916620255589

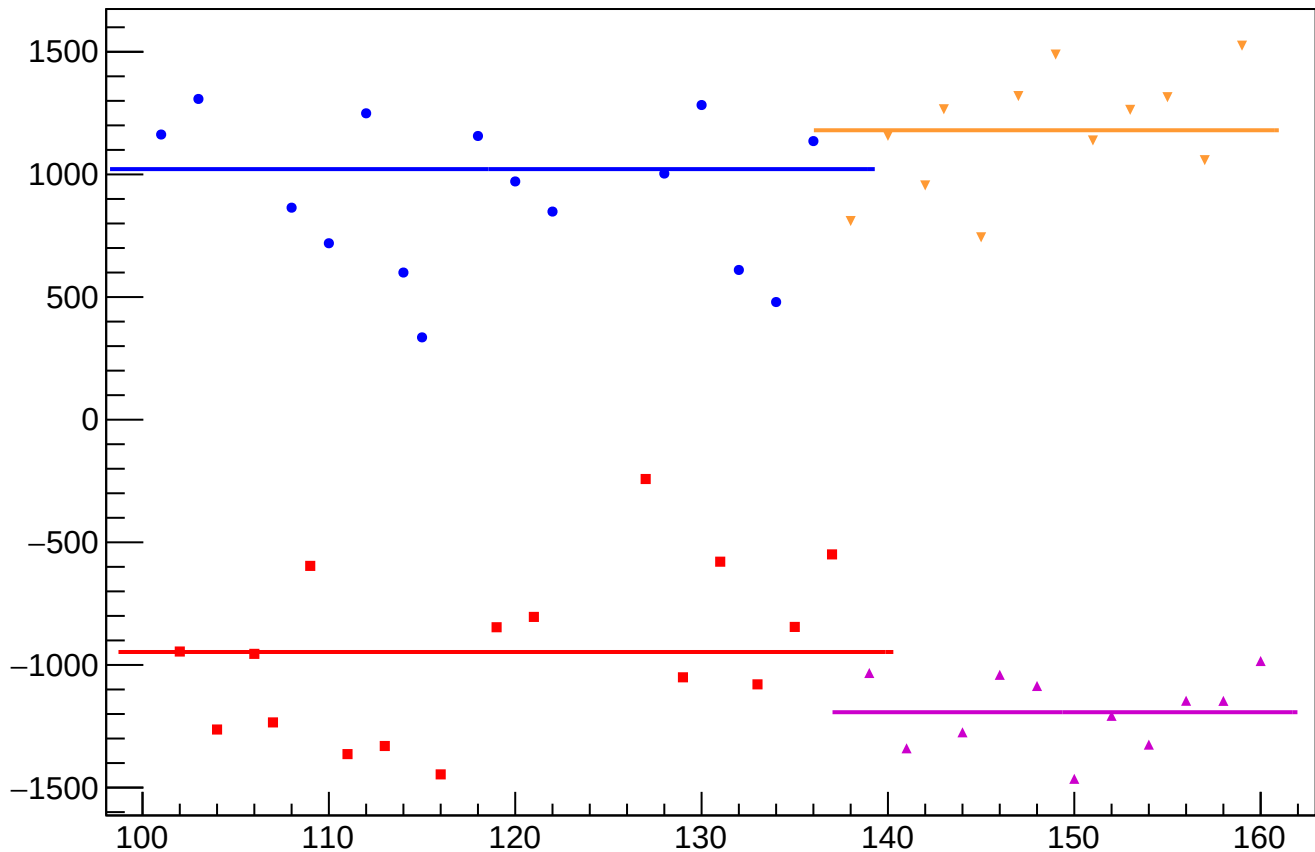
Right: -17.413+/-0.000 χ^2/NDF : 117922842657675

In: -800.651+/-0.000 χ^2/NDF : 145555206694384

Out: 672.087+/-0.000 χ^2/NDF : 1518026118358382

All: -62.414+/-0.000 χ^2/NDF : 314460236947

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

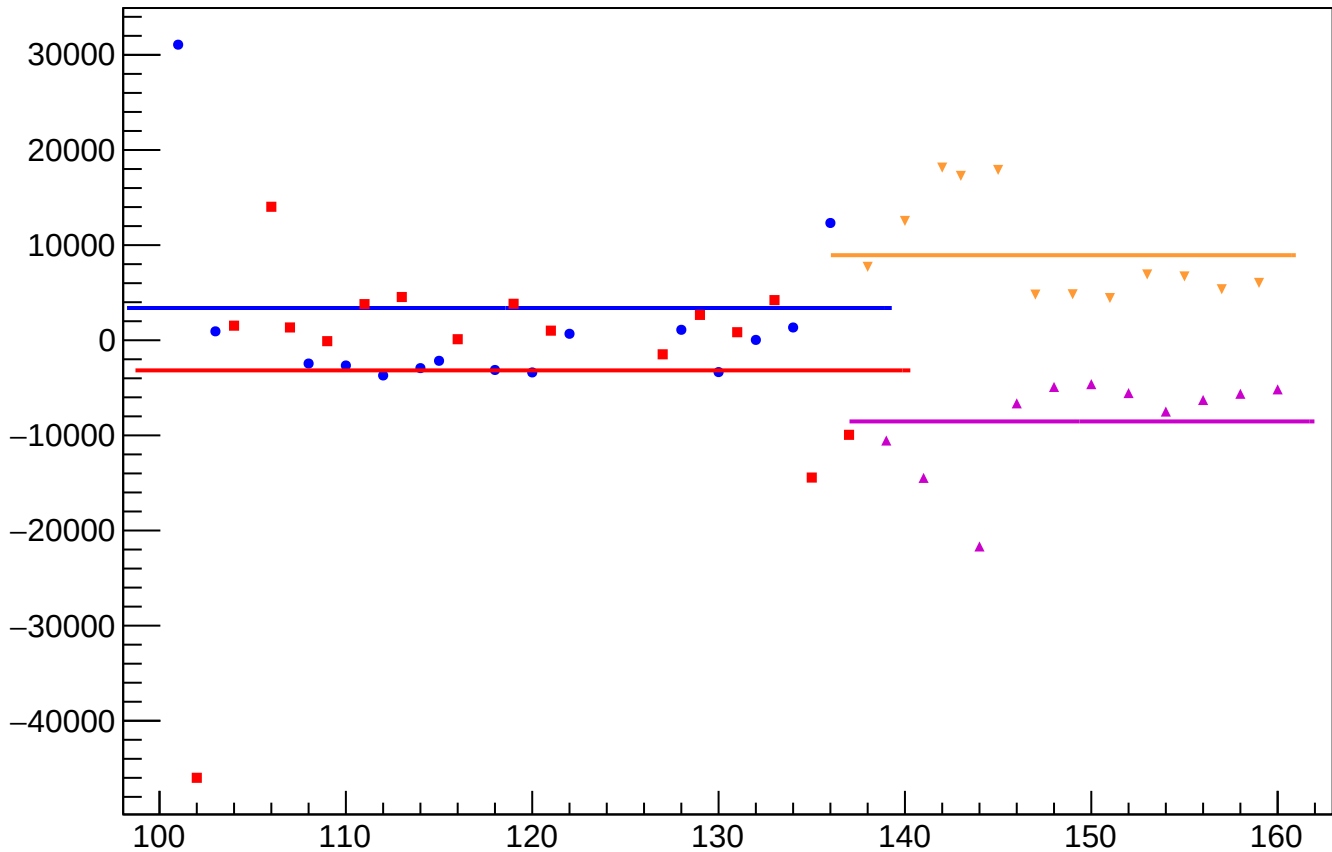
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

Left Out: 8941.712+/-0.000

χ^2/NDF : 22757542723529976862924189628837264359424.0/11

Right Out: -3167.396+/-0.000

χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -8532.821+/-0.000

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

Left: 156.909+/-0.000 χ^2/NDF : 1873655199537507

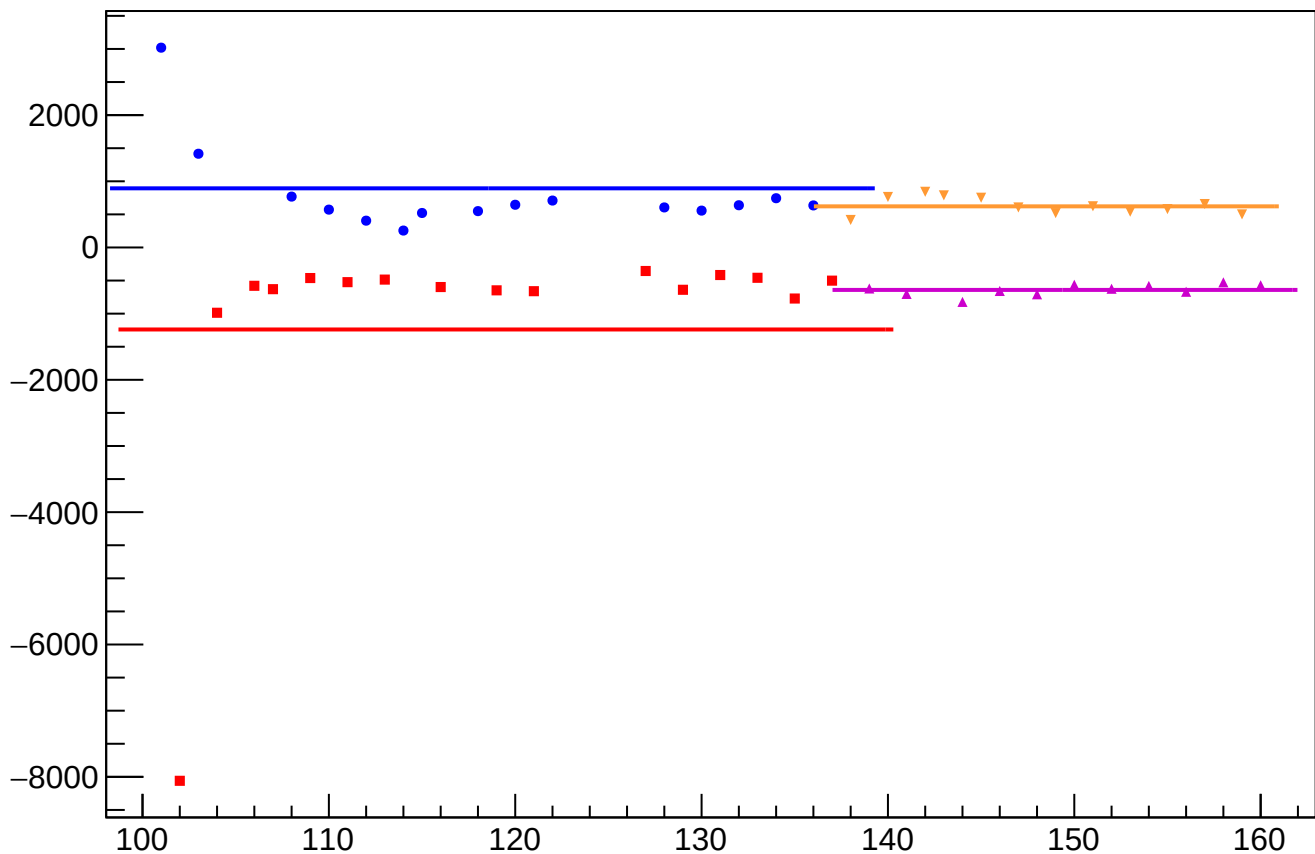
Right: 66.728+/-0.000 χ^2/NDF : 2177723560844725

In: -3613.388+/-0.000 χ^2/NDF : 144369798447171

Out: 3833.063+/-0.000 χ^2/NDF : 217052558141828

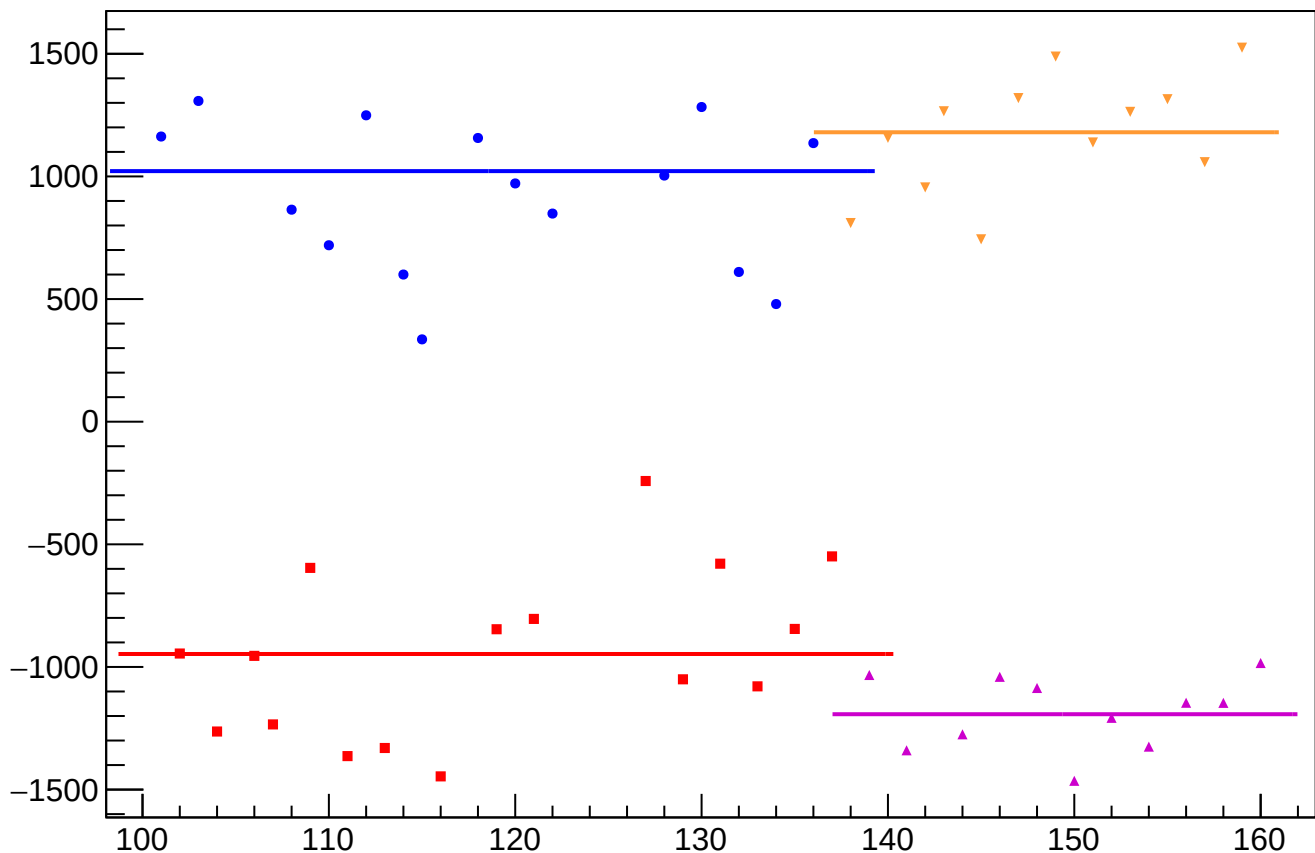
All: 119.281+/-0.000 χ^2/NDF : 405144112898

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



Right In: 893.683 ± 0.000 $\chi^2/\text{NDF}: 334583619078631008932404228227359309824.0/14$
 Left Out: 621.395 ± 0.000 $\chi^2/\text{NDF}: 13220761349033595391183034930255888384.0/11$
 Right Out: -1239.298 ± 0.000 $\chi^2/\text{NDF}: 2970990859486483990408108918937565003776.0/15$
 Left In: -641.490 ± 0.000 $\chi^2/\text{NDF}: 6047241871046466320943152926715543552.0/10$
 All: -86.047 ± 0.000 $\chi^2/\text{NDF}: 557740460848$

dit_atr1_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

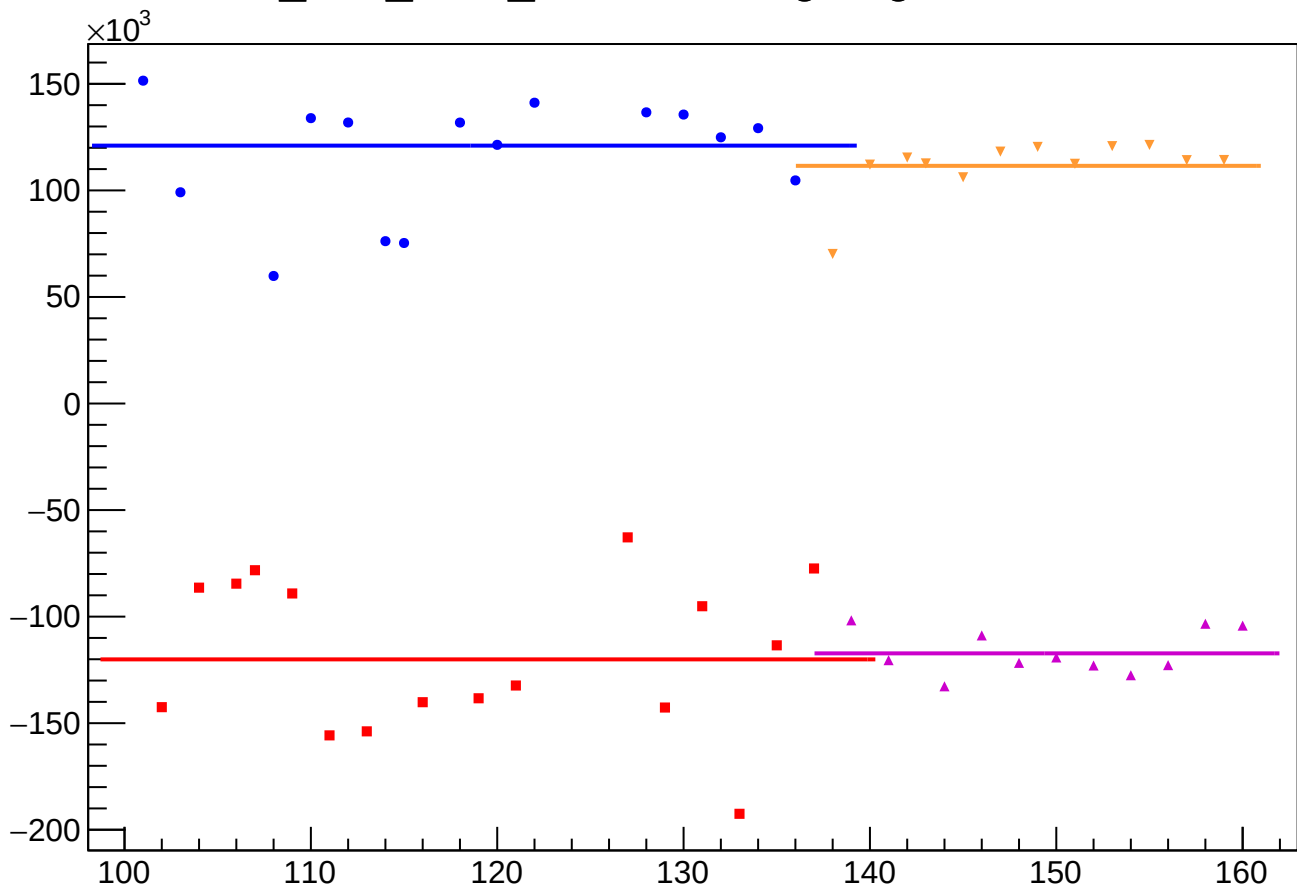
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

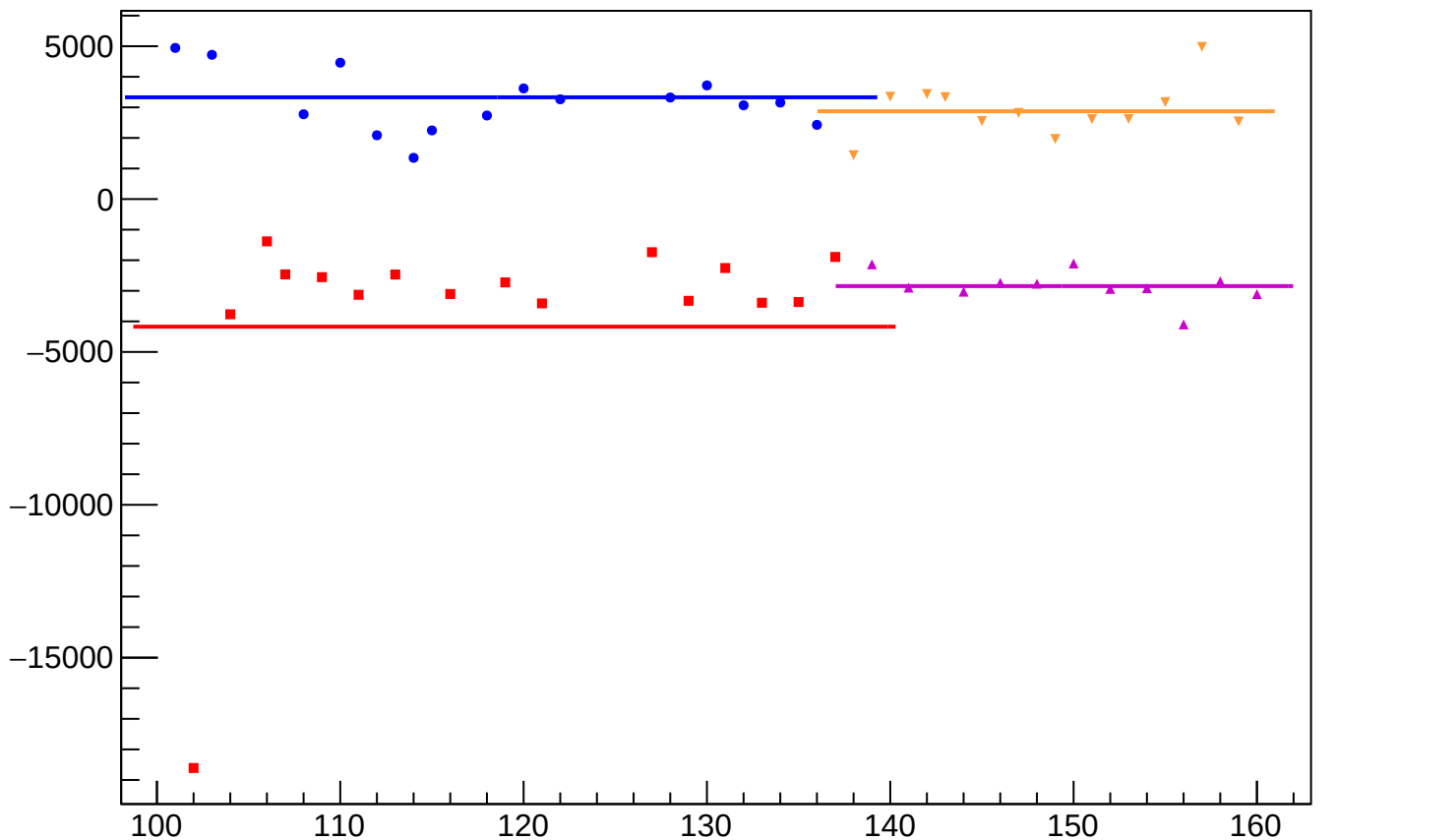
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atr2_coil7_mean vs Slug, Sign Corrected



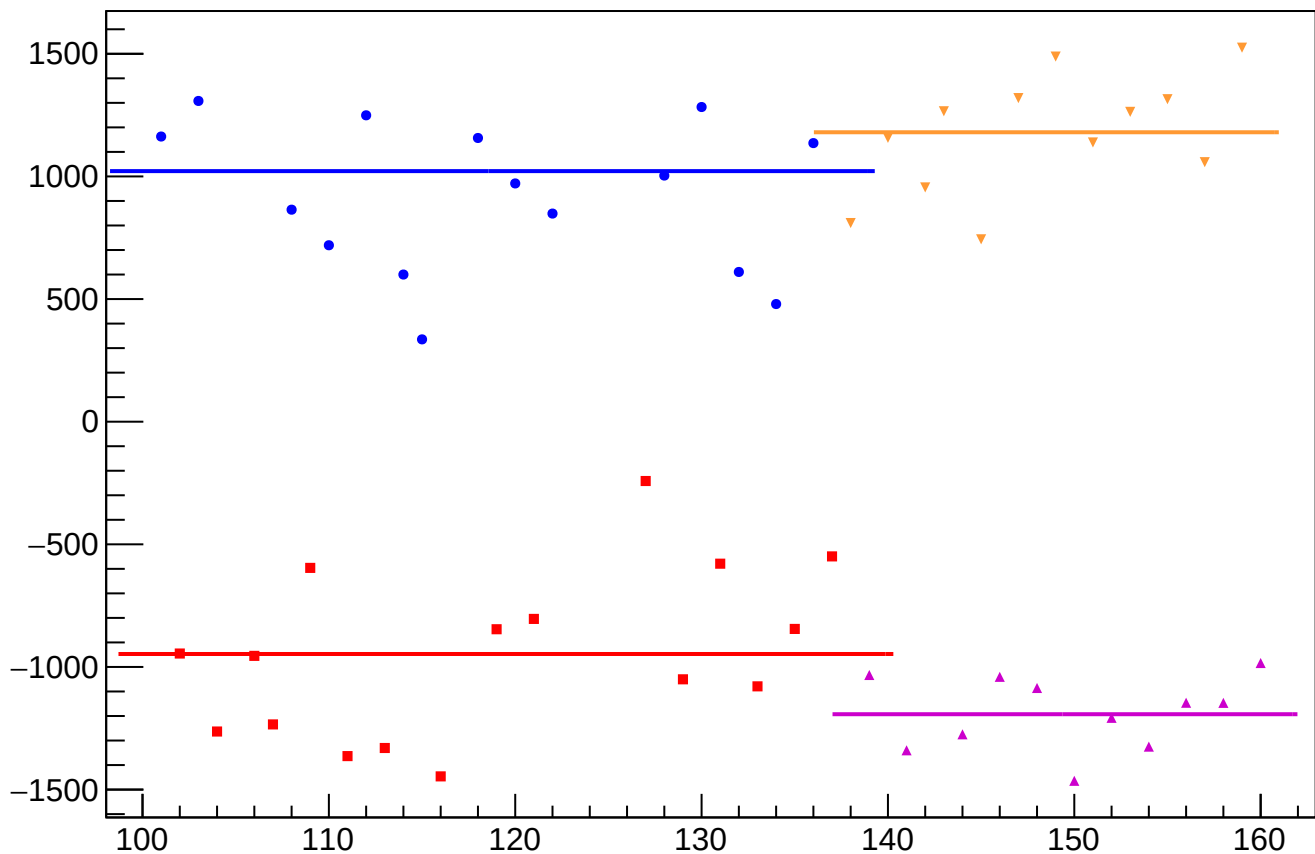
Right In: 121016.482 $\pm$ 0.000 χ^2 /NDF: 358713856404303554987784975983609668173824.0/14
 Left Out: 111531.681 $\pm$ 0.000 χ^2 /NDF: 162724299829921950370834246417372913074176.0/11
 Right Out: -120060.693 $\pm$ 0.000 χ^2 /NDF: 828419782346707601448620310014135952736256.0/15
 Left In: -117237.465 $\pm$ 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



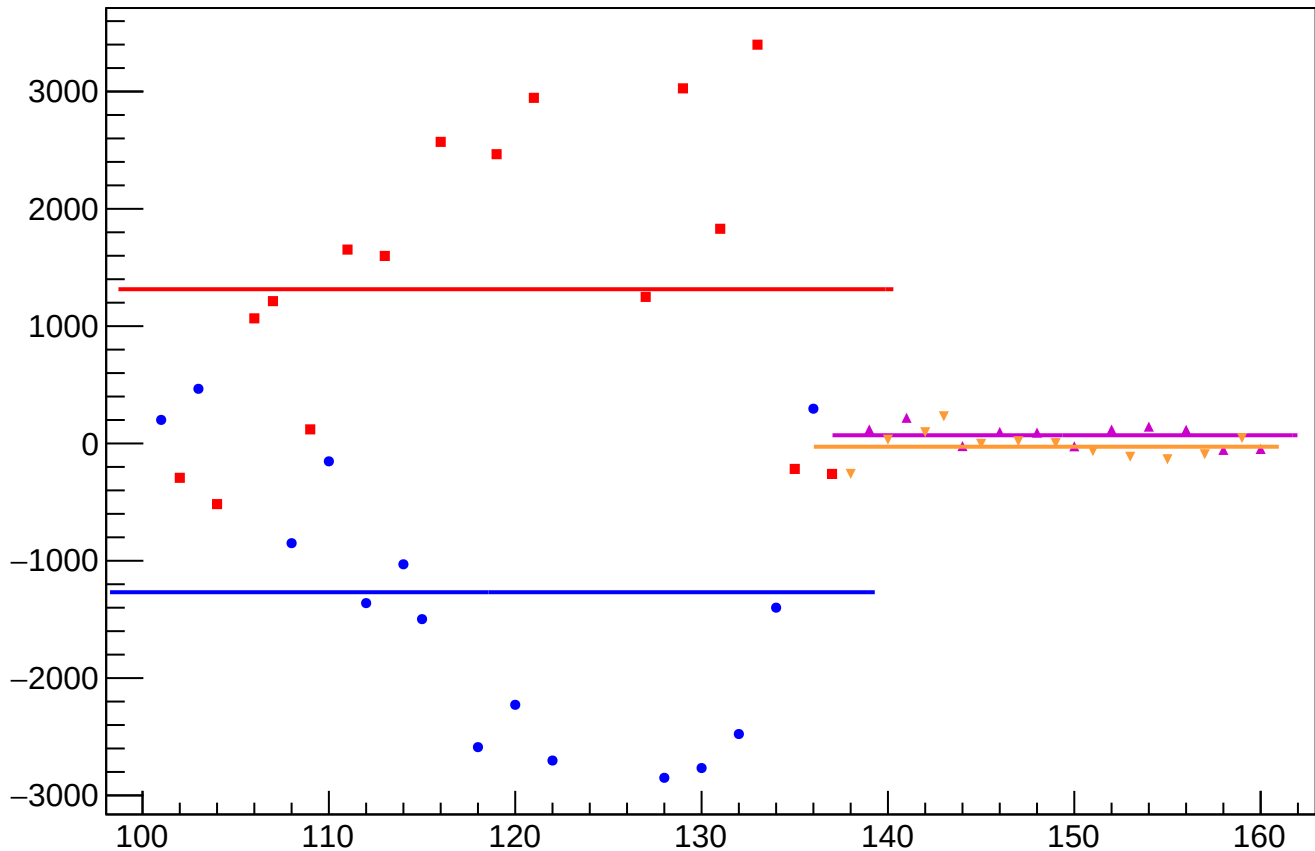
Left: -2.554 +/- 0.000 χ^2/NDF : 15921502408931202
 Right In: 3329.488 +/- 0.000 χ^2/NDF : 567034774398456376227526824513721335808.0/14
 Right: -473.285 +/- 0.000 χ^2/NDF : 32582486462967
 Left Out: 2872.567 +/- 0.000 χ^2/NDF : 662883582778902790585902196636778496000.0/11
 In: 298.400 +/- 0.000 χ^2/NDF : 1533808541348253
 Right Out: -4173.434 +/- 0.000 χ^2/NDF : 13498246551537992400095003154682468106240.0/15
 Out: -100.034 +/- 0.000 χ^2/NDF : 333048130531602
 Left In: -2846.559 +/- 0.000 χ^2/NDF : 229557109736682123603885764134616170496.0/10
 All: -198.965 +/- 0.000 χ^2/NDF : 48673924762

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



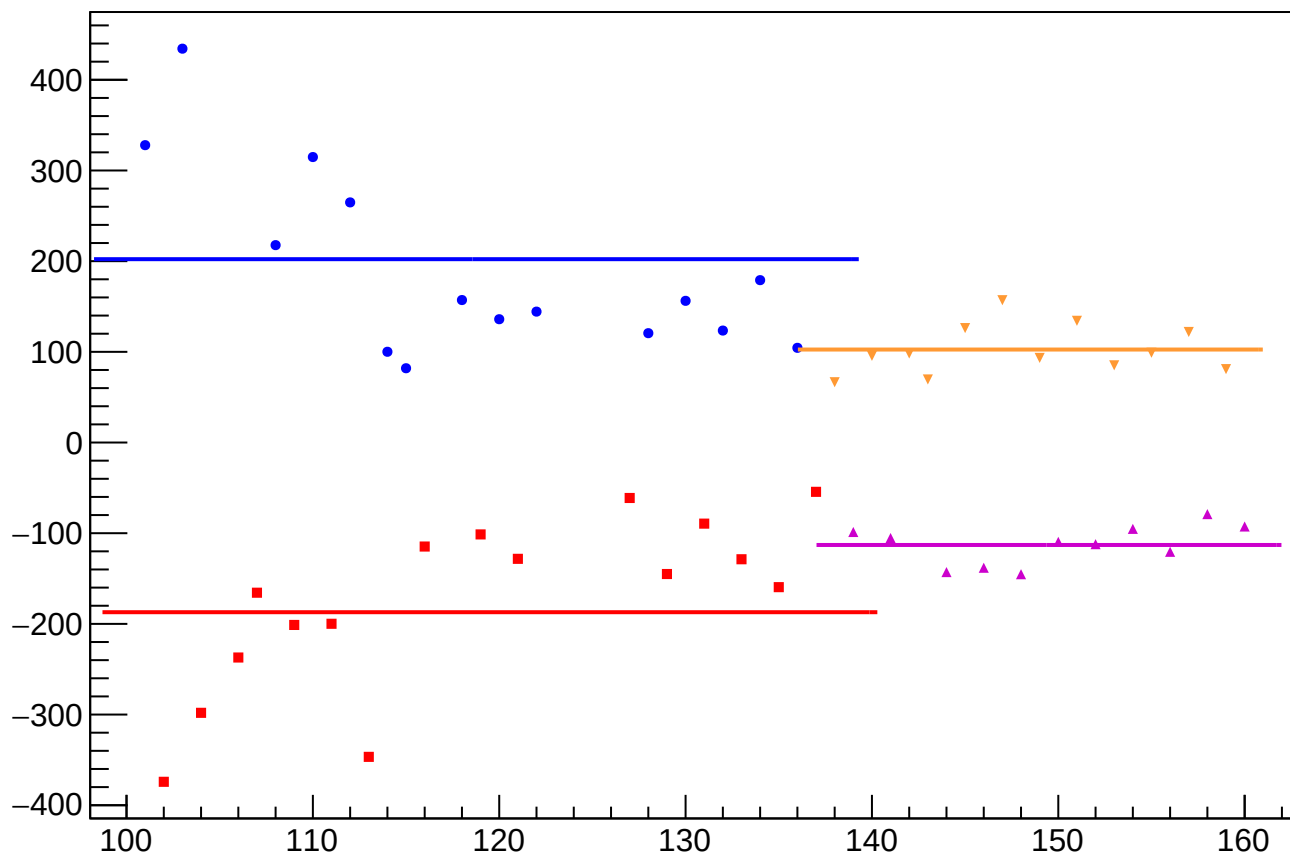
Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 +/- 0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam1_coil7_mean vs Slug, Sign Corrected



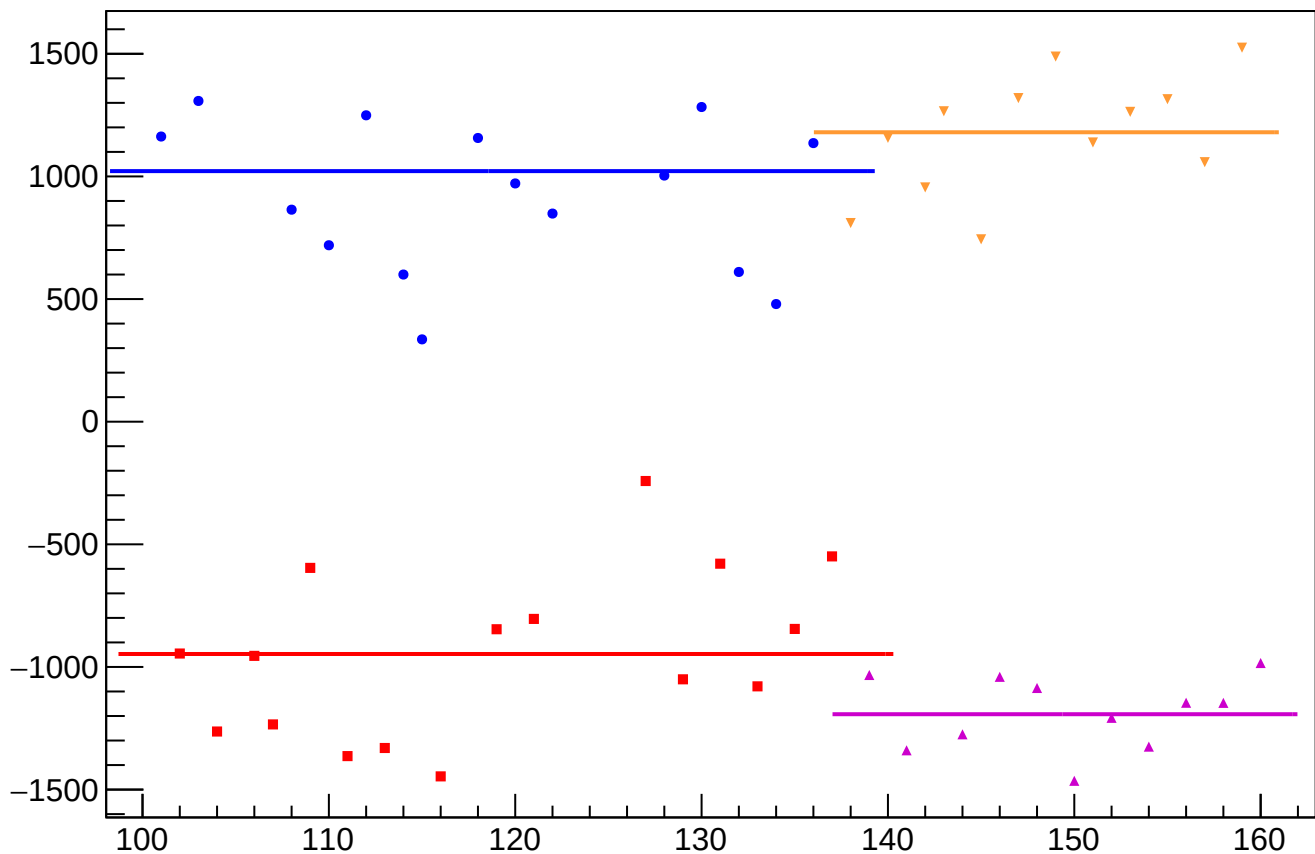
Left: 21.337 +/- 0.000 χ^2/NDF : 23678457867018899
 Right In: -1268.061 +/- 0.000 χ^2/NDF : 1092280760288833856070470490800647045120.0/14
 Right: 41.017 +/- 0.000 χ^2/NDF : 4385100658196815
 Left Out: -27.745 +/- 0.000 χ^2/NDF : 12401866293776389782406733193877127168.0/11
 In: -482.133 +/- 0.000 χ^2/NDF : 1781620225198016
 Right Out: 1314.767 +/- 0.000 χ^2/NDF : 1098471313864079013714609379653260935168.0/15
 Out: 538.641 +/- 0.000 χ^2/NDF : 1805860646471756
 Left In: 69.887 +/- 0.000 χ^2/NDF : 6896729055106095492675290775544659968.0/10
 All: 29.548 +/- 0.000 χ^2/NDF : 4409076158029

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 202.191 $\pm$ 0.000 χ^2 /NDF: 7027941052752849066369040650615128064.0/14
 Left Out: 102.547 $\pm$ 0.000 χ^2 /NDF: 631914374783938330949359707000668160.0/11
 Right Out: -187.126 $\pm$ 0.000 χ^2 /NDF: 6230029491605524746936515809941389312.0/15
 Left In: -112.981 $\pm$ 0.000 χ^2 /NDF: 399082569166702797505998561799569408.0/10
 All: -1.350 $\pm$ 0.000 χ^2 /NDF: 8557691672482

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

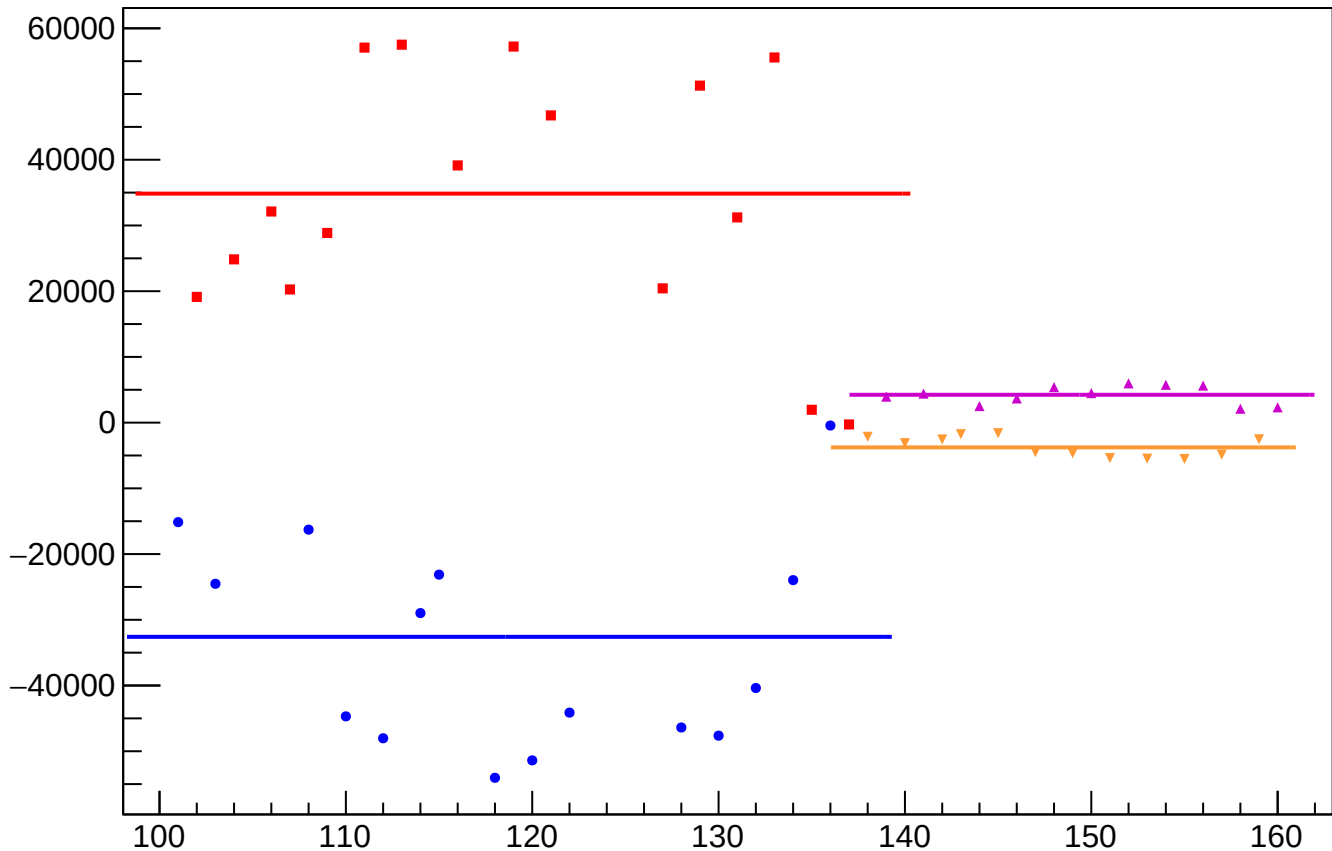
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam2_coil7_mean vs Slug, Sign Corrected



Right In: -32594.962+/-0.000

χ^2/NDF : 209150369207000564489724529020922520141824.0/14

Left Out: -3764.764+/-0.000

χ^2/NDF : 1969097651481267133720686593450373545984.0/11

Right Out: 34848.046+/-0.000

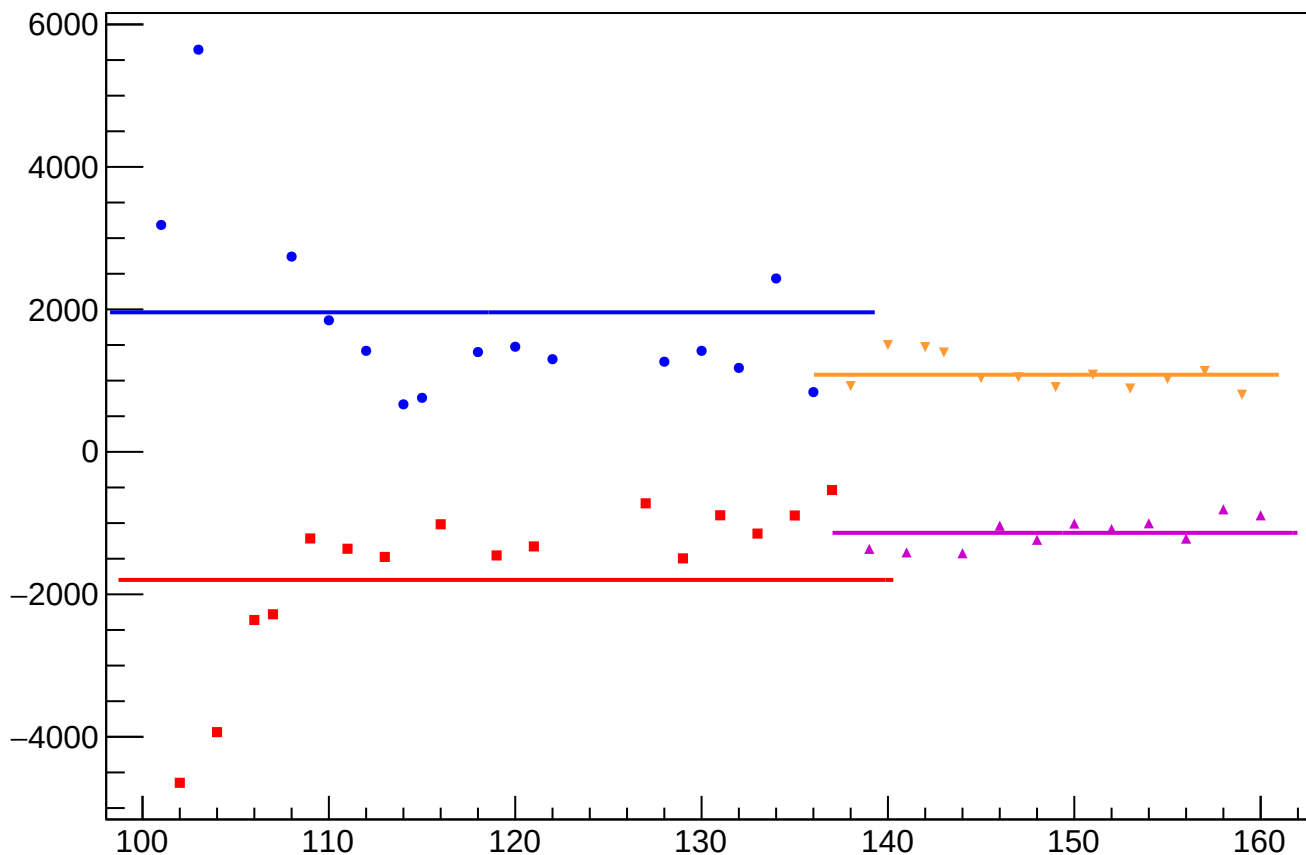
χ^2/NDF : 221127702024811719232559434097324967591936.0/15

Left In: 4238.758+/-0.000

χ^2/NDF : 1676258877466067471746283067125033598976.0/10

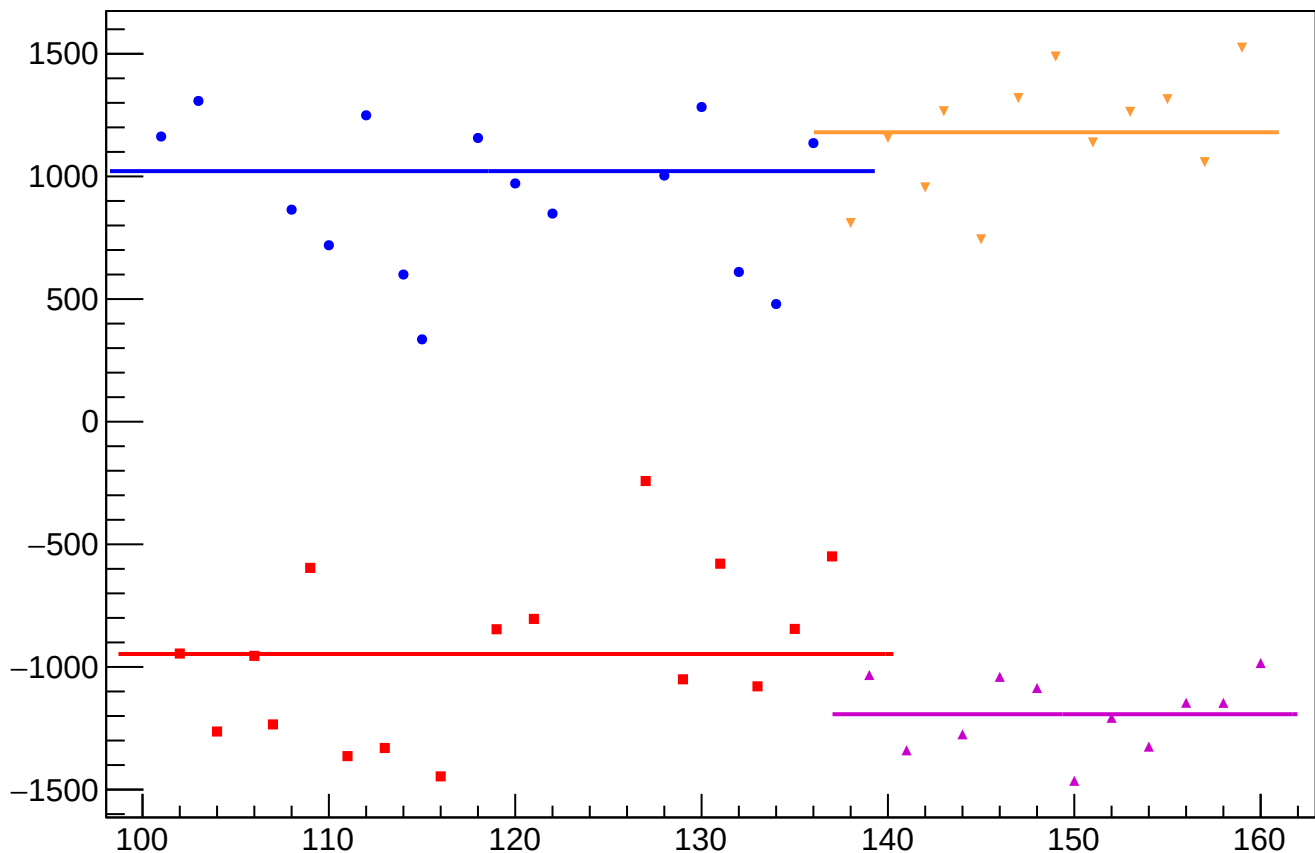
All: 813.296+/-0.000 χ^2/NDF : 196090705413

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1958.835+/-0.000 χ^2/NDF : 1189322999631358431600643692981190131712.0/14
 Left Out: 1082.769+/-0.000 χ^2/NDF : 42435467592938018504955570075058831360.0/11
 Right Out: -1797.392+/-0.000 χ^2/NDF : 955096623879958195657195074614240215040.0/15
 Left In: -1136.738+/-0.000 χ^2/NDF : 36660640388160233770492299797174681600.0/10
 All: 3.718+/-0.000 χ^2/NDF : 91340604590309

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

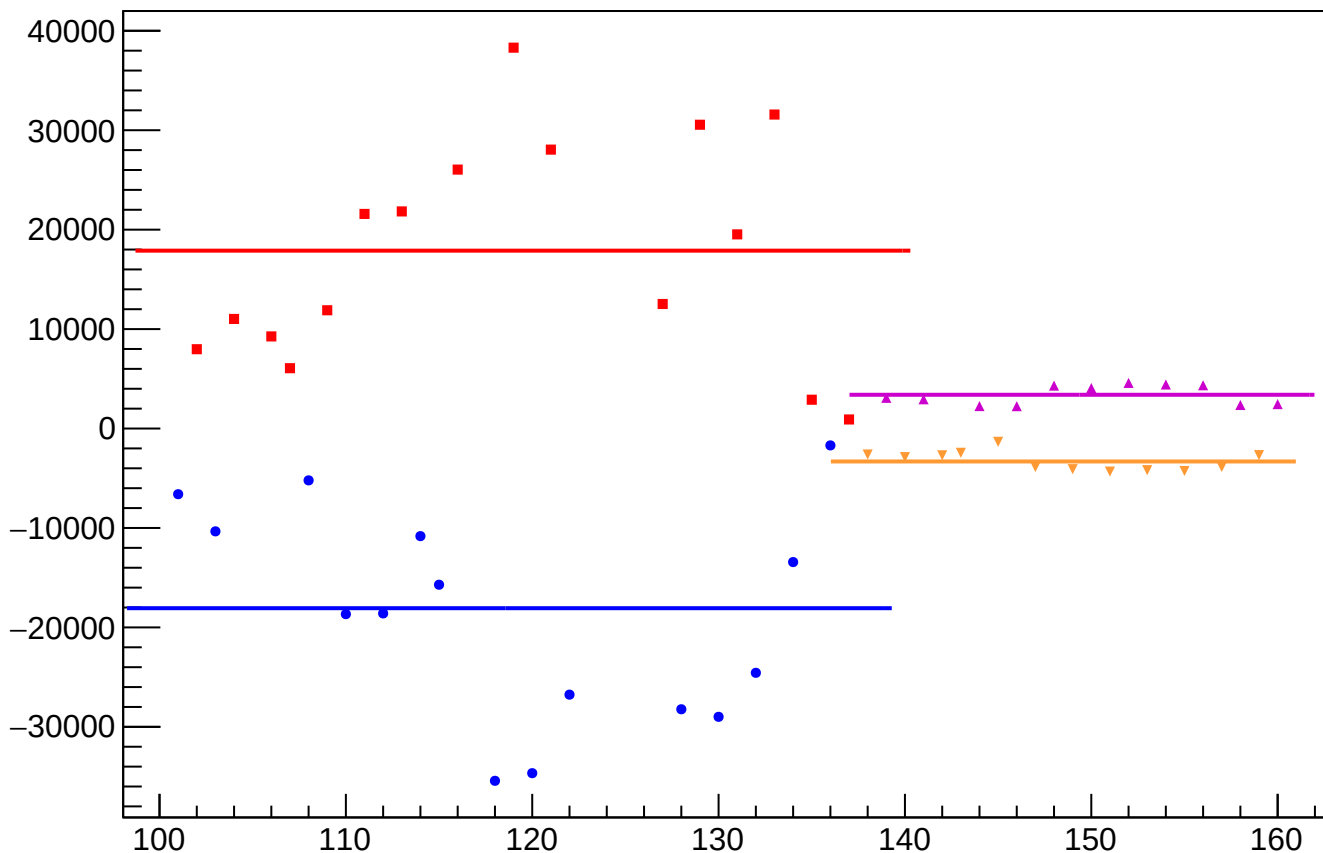
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

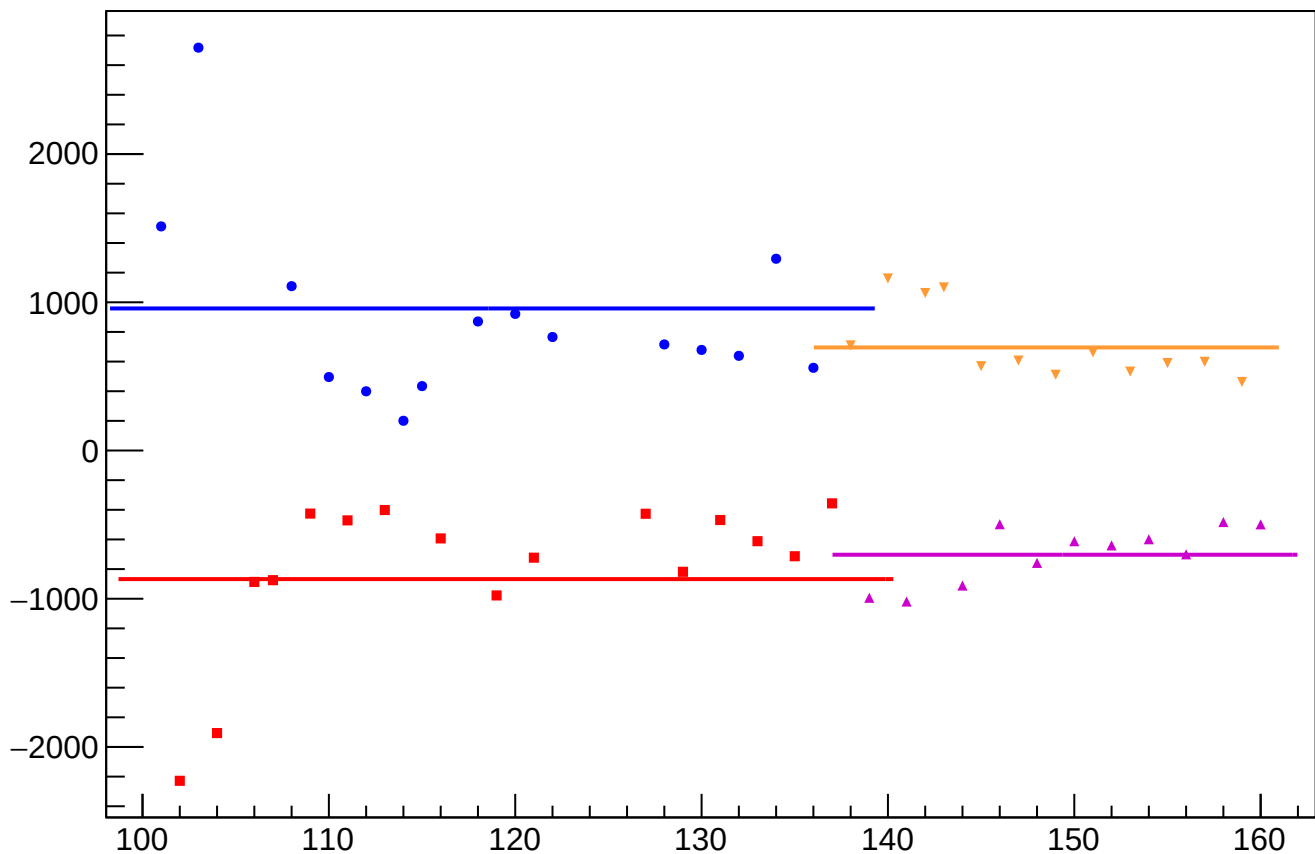
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam3_coil7_mean vs Slug, Sign Corrected



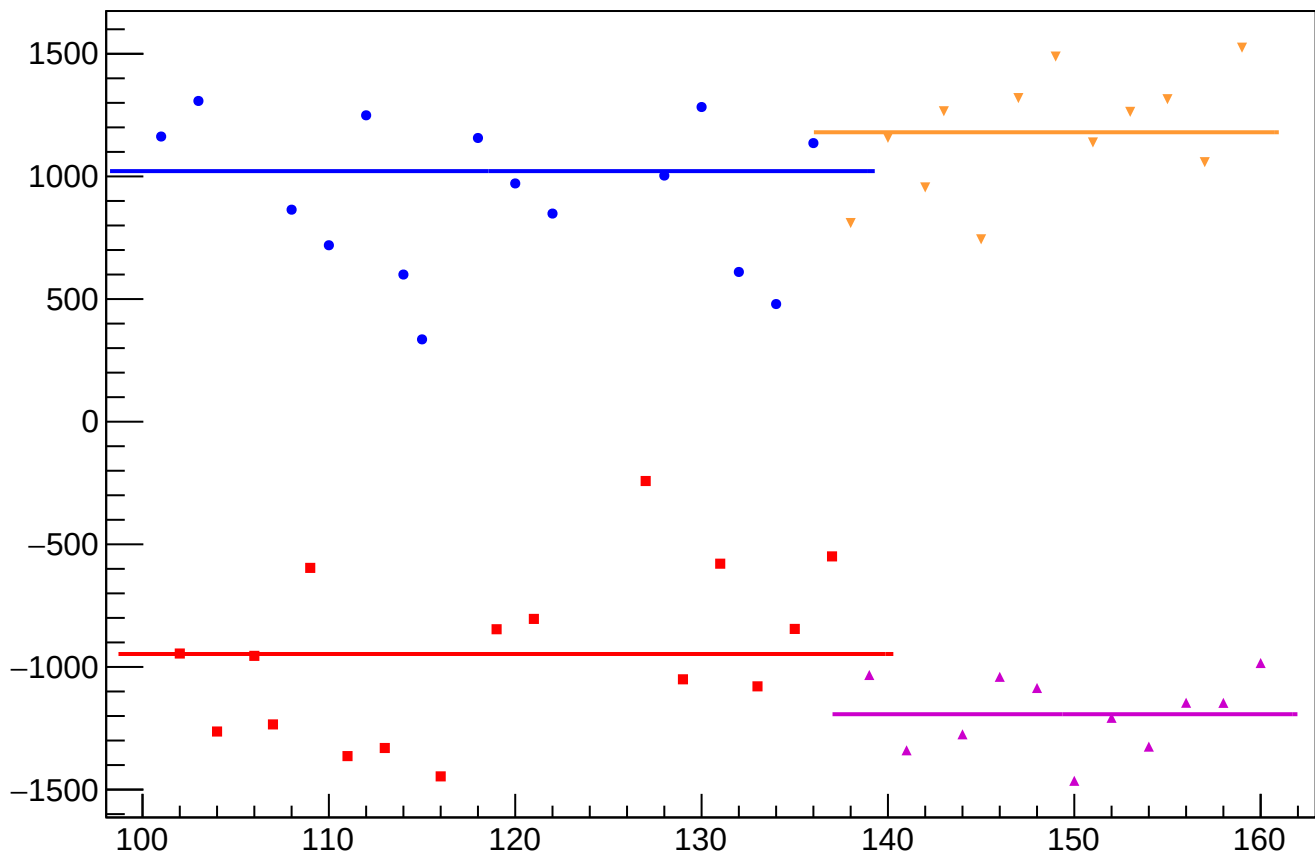
Left: 59.413+/-0.000 χ^2/NDF : 2224729910575058
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Right: 155.704+/-0.000 χ^2/NDF : 587997392225656
 Left Out: -3312.000+/-0.000 χ^2/NDF : 776933675153970093414497932746986356736.0/11
 In: -5460.979+/-0.000 χ^2/NDF : 260733217471185
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 Out: 5632.022+/-0.000 χ^2/NDF : 252490604130367
 Left In: 3394.339+/-0.000 χ^2/NDF : 804969095824057391704293669390893711360.0/10
 All: 99.590+/-0.000 χ^2/NDF : 6102518020061

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 958.411+/-0.000 χ^2/NDF : 264733105058522822278137197070739570688.0/14
 Left Out: 695.356+/-0.000 χ^2/NDF : 48004139750379541003610269806183317504.0/11
 Right Out: -867.538+/-0.000 χ^2/NDF : 216129851545166714122252317604488151040.0/15
 Left In: -703.169+/-0.000 χ^2/NDF : 32040531861451426969939944767733366784.0/10
 All: 9.254+/-0.000 χ^2/NDF : 25575818346098

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

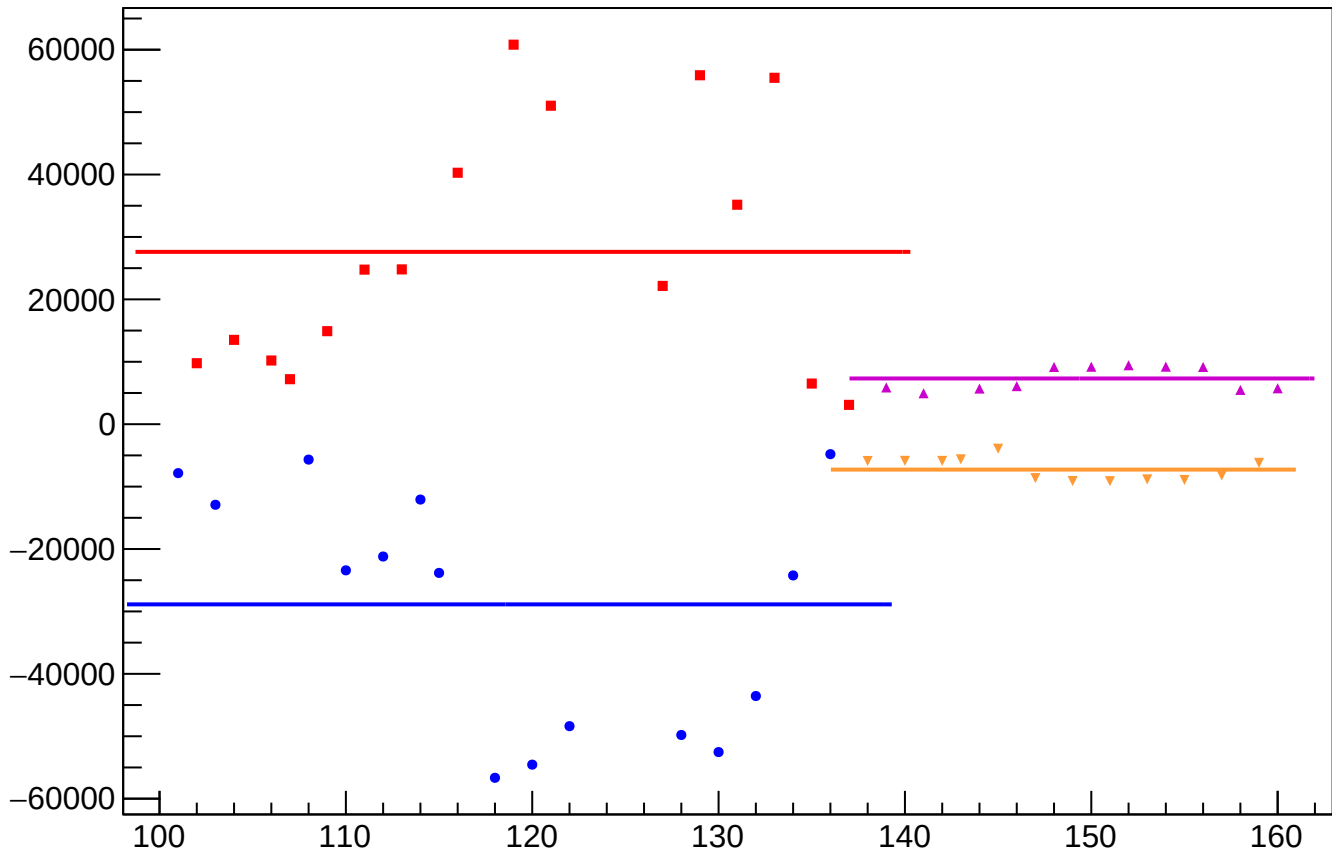
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

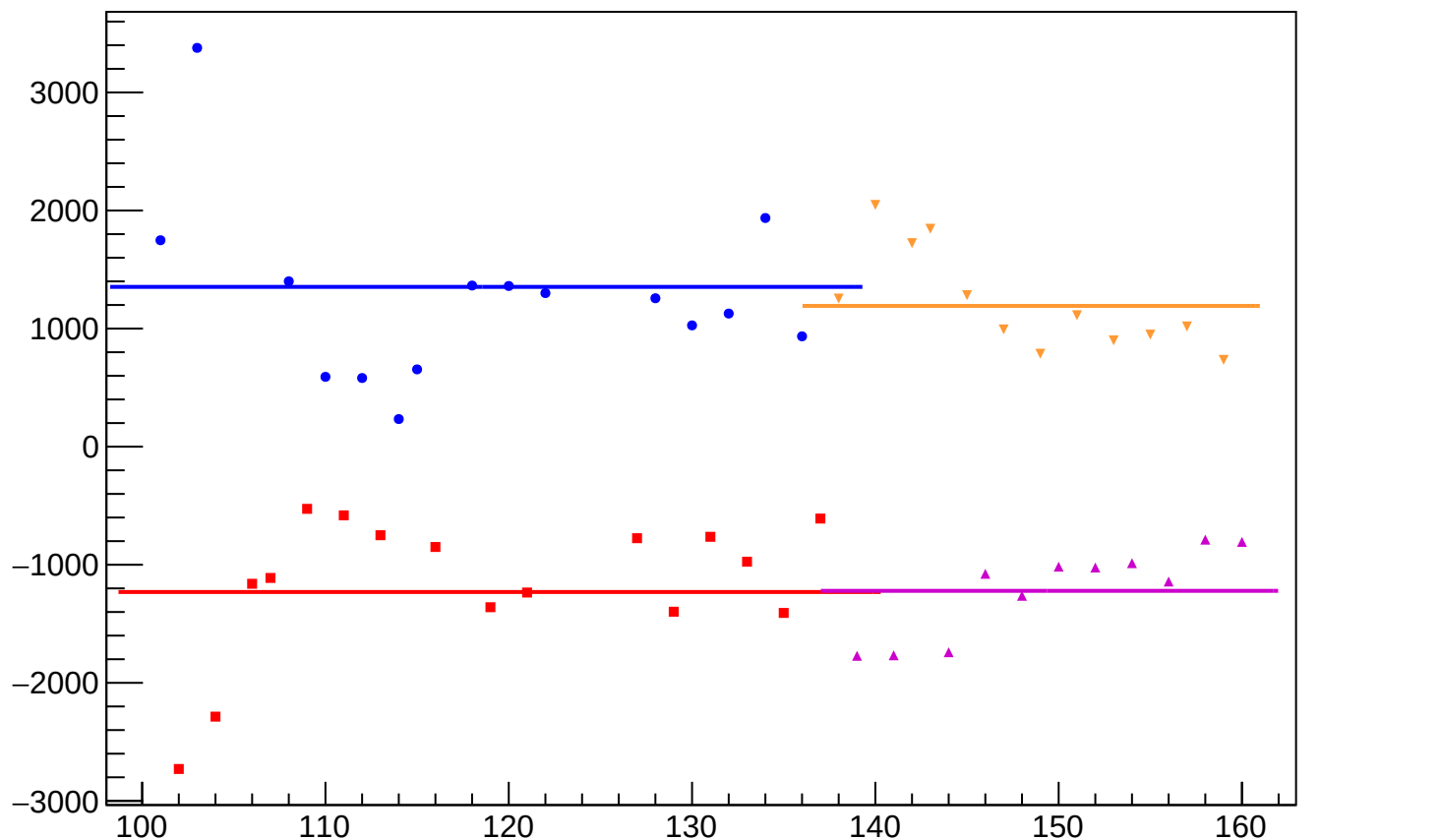
All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam4_coil7_mean vs Slug, Sign Corrected



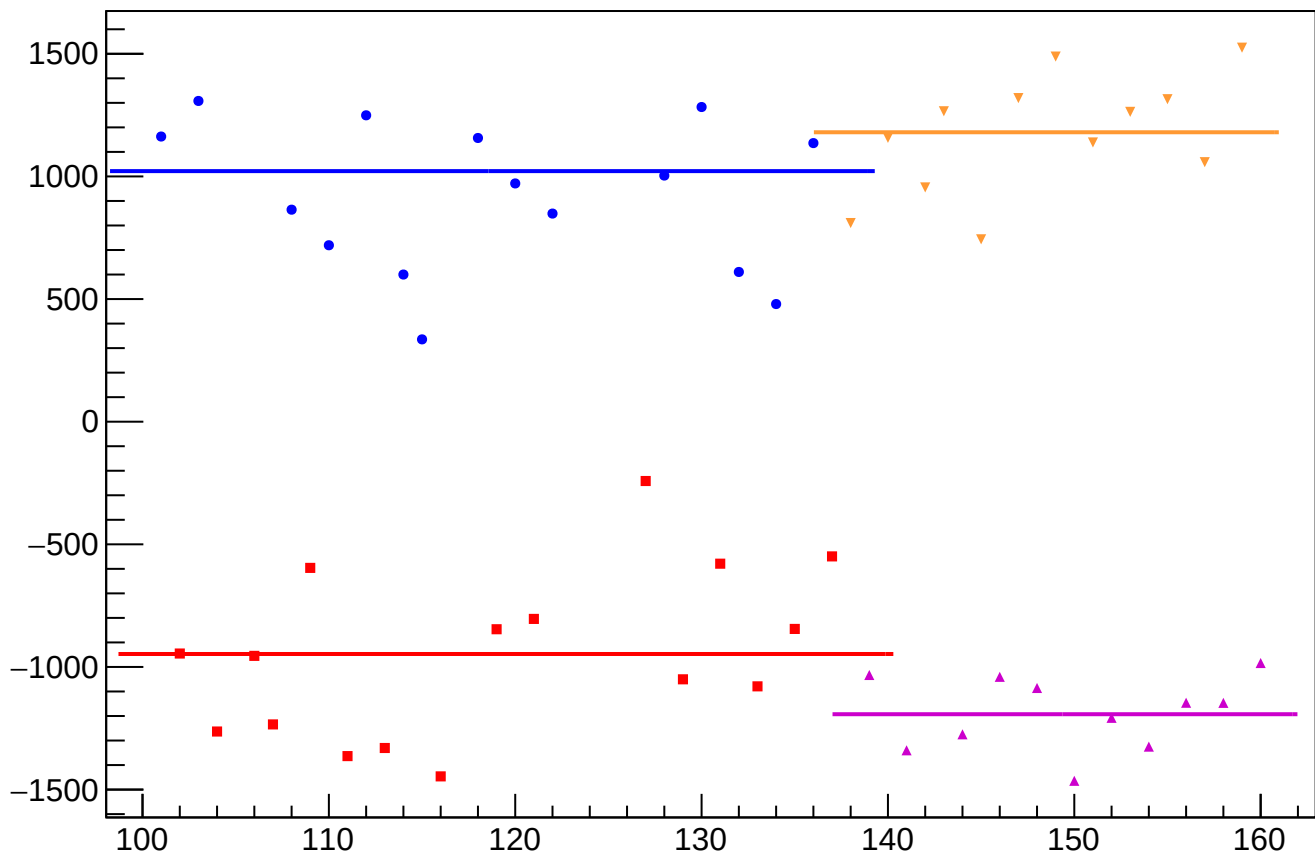
Right In: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left Out: -7277.886+/-0.000 χ^2/NDF : 2738867305918098068317388239234104557568.0/11
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Left In: 7325.095+/-0.000 χ^2/NDF : 3045991167952377112422516937599716687872.0/10
 All: -64.332+/-0.000 χ^2/NDF : 166268033579

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



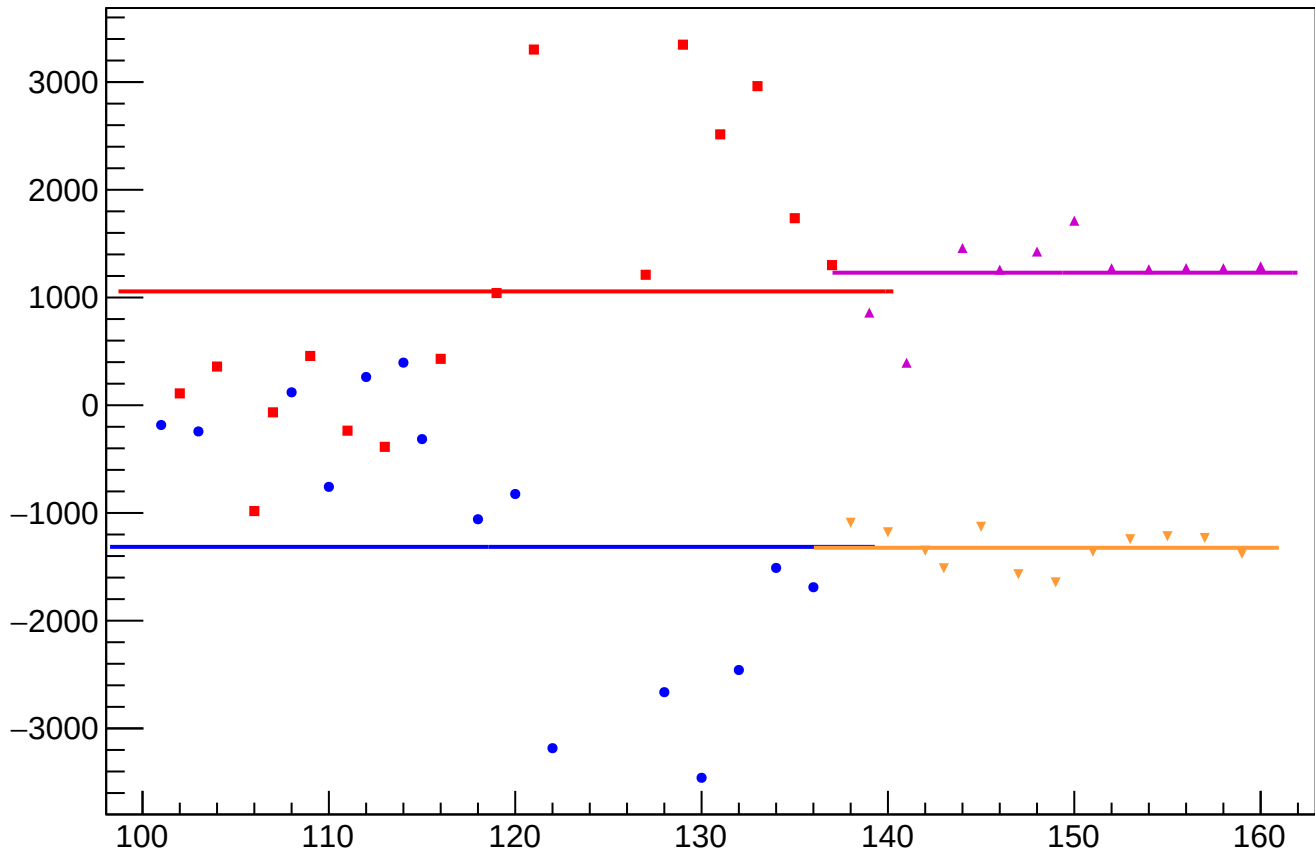
Right In: 1353.413 $\pm$ 0.000 χ^2 /NDF: 352887966702770713373861839880553758720.0/14
 Left Out: 1192.275 $\pm$ 0.000 χ^2 /NDF: 150893742871936420702627399426239365120.0/11
 Right Out: -1230.633 $\pm$ 0.000 χ^2 /NDF: 276989454129150005656872744539903754240.0/15
 Left In: -1220.761 $\pm$ 0.000 χ^2 /NDF: 116296897250486719965341990830940880896.0/10
 All: 6.116 $\pm$ 0.000 χ^2 /NDF: 57721489770329

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



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_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782+/-0.000

Left Out: -1323.142+/-0.000

Right Out: 1056.765+/-0.000

Left In: 1230.430+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 27180584789293911694803613303409999872.0/11

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 100431691068850056086409132460520505344.0/10

Left: -39.410+/-0.000 χ^2/NDF : 3123799611158754

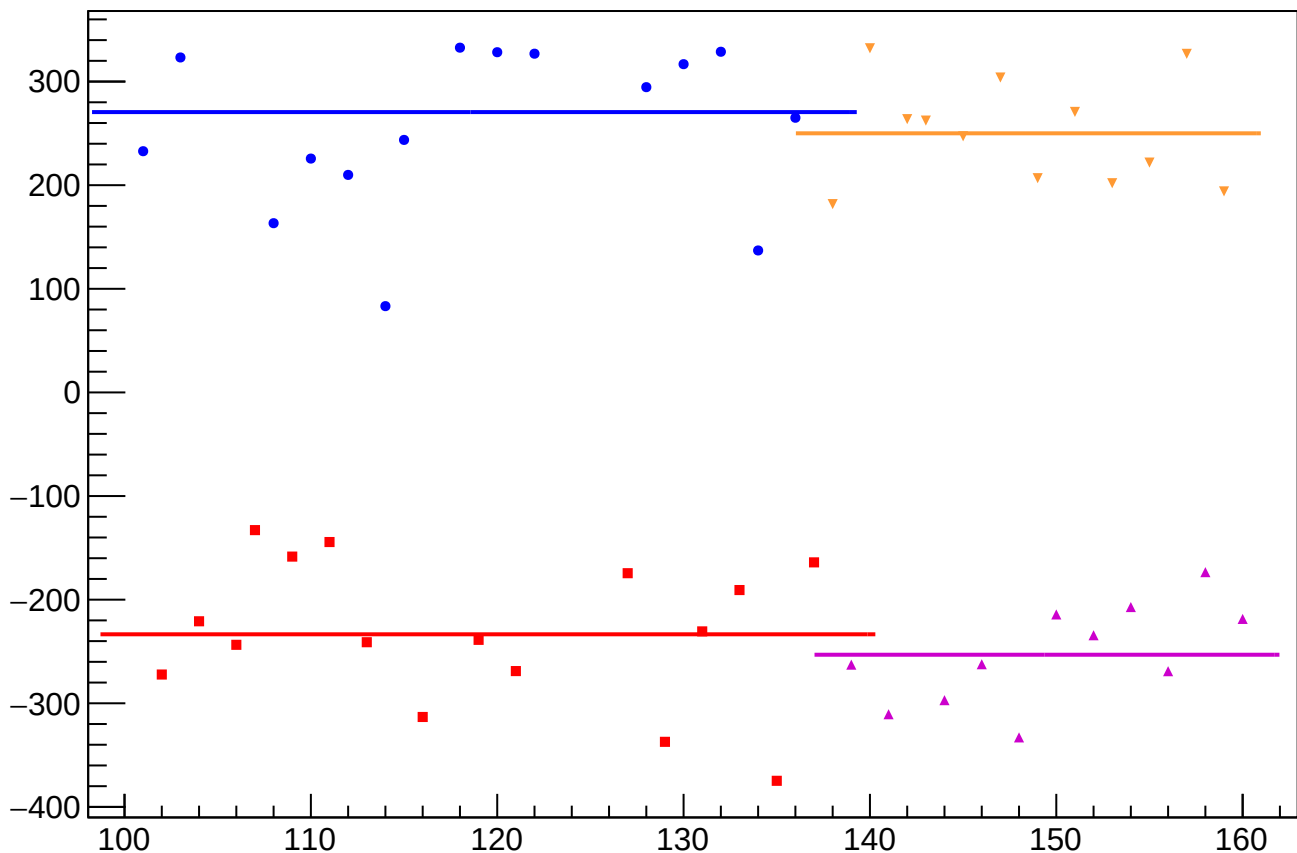
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 180.308+/-0.000 χ^2/NDF : 35361660763294785

Out: -319.095+/-0.000 χ^2/NDF : 333836126374439

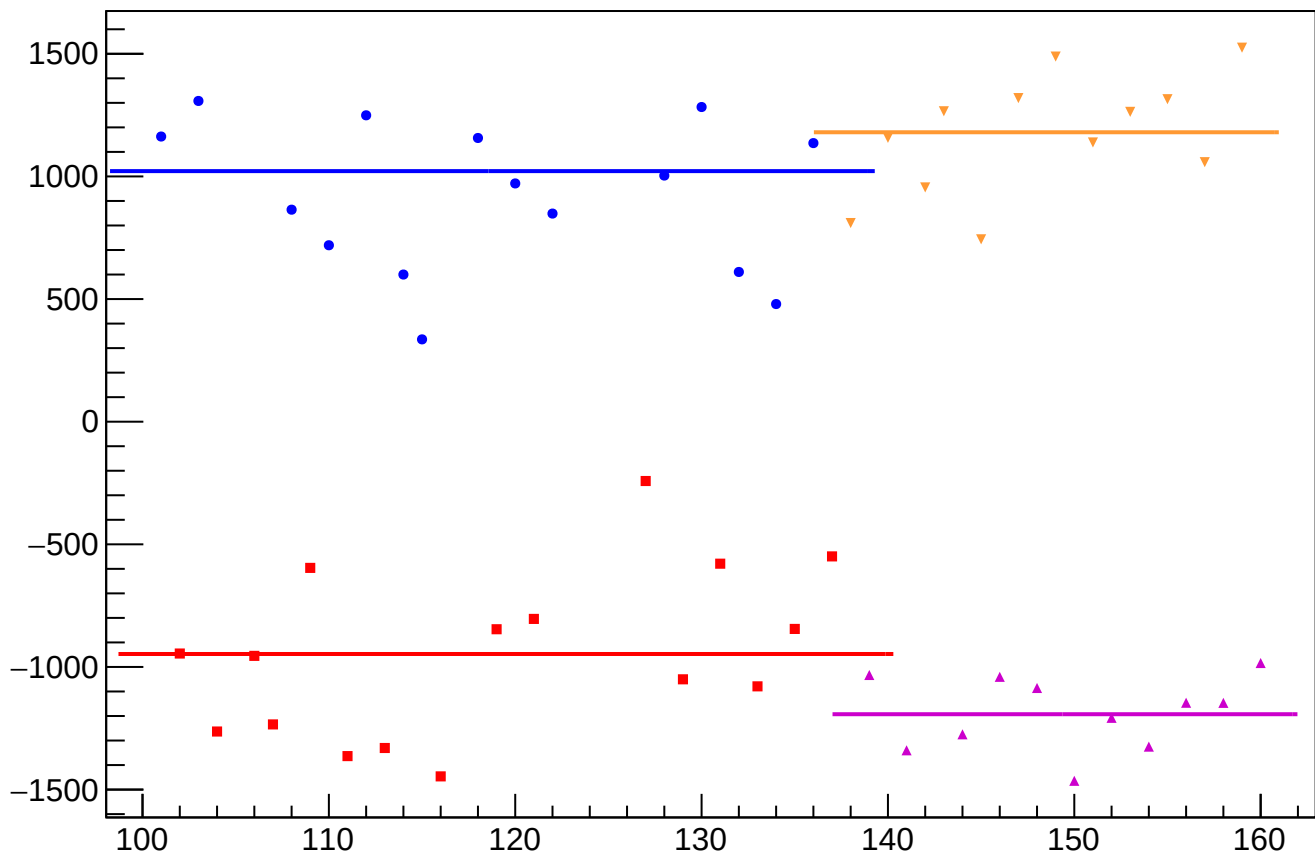
All: -70.027+/-0.000 χ^2/NDF : 707118050555

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



Right In: 270.538 $\pm$ 0.000 χ^2 /NDF: 2473839905347950323907848405170257920.0/14
 Left Out: 250.055 $\pm$ 0.000 χ^2 /NDF: 2329396041694824766683600755668025344.0/11
 Right Out: -233.421 $\pm$ 0.000 χ^2 /NDF: 3048529087317888615064010247743995904.0/15
 Left In: -253.145 $\pm$ 0.000 χ^2 /NDF: 1980196841930298045035907903943344128.0/10
 All: 4.607 $\pm$ 0.000 χ^2 /NDF: 20997016075743

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-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

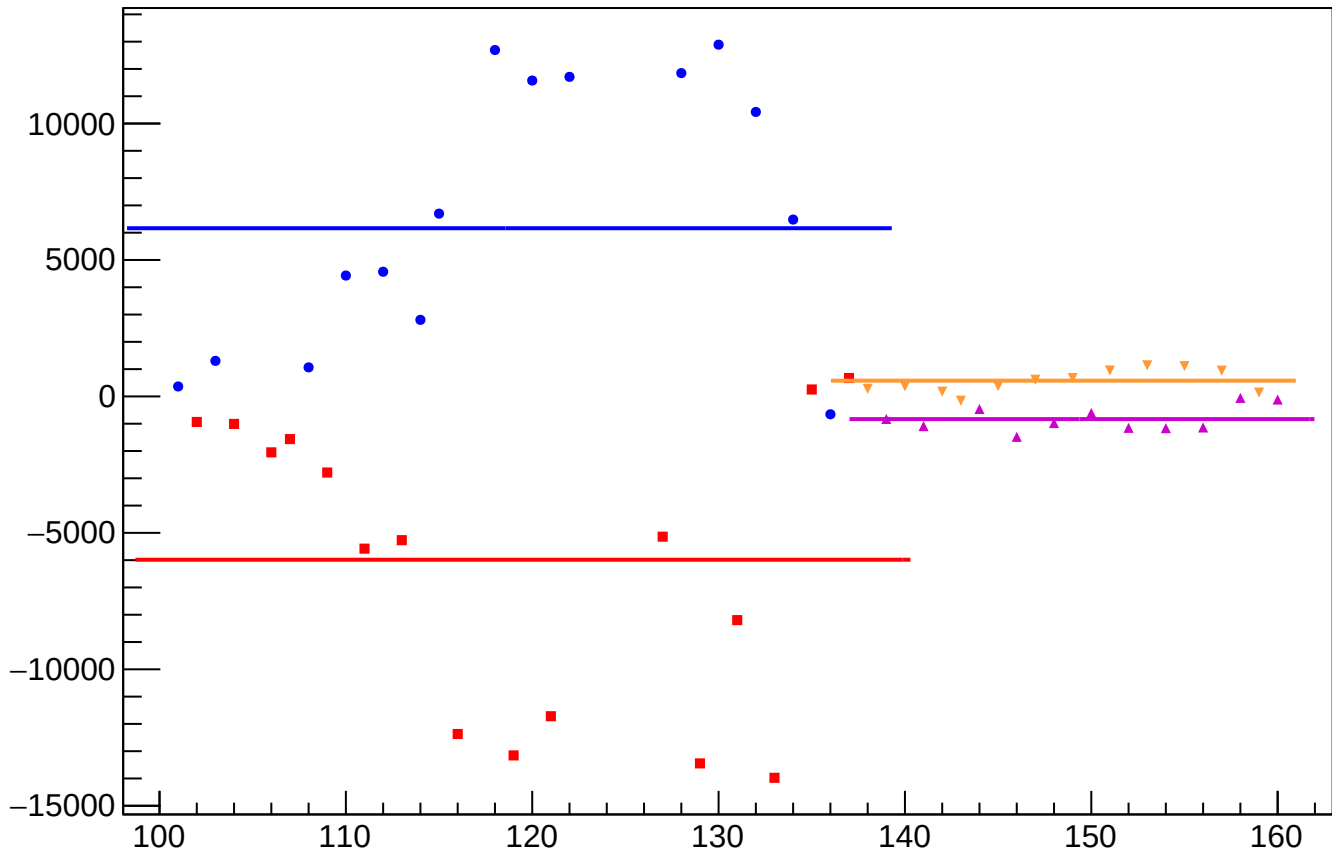
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

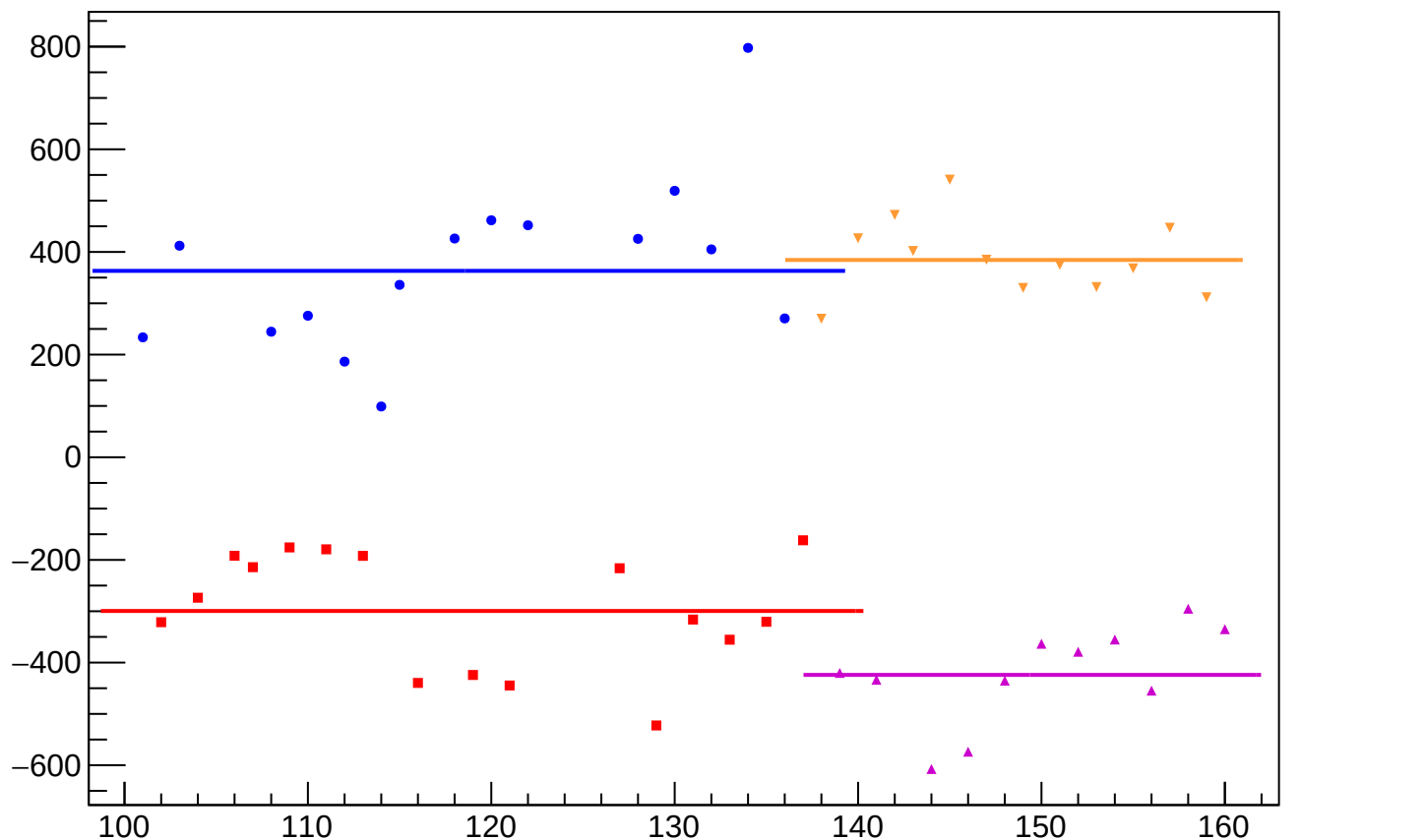
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam6_coil7_mean vs Slug, Sign Corrected



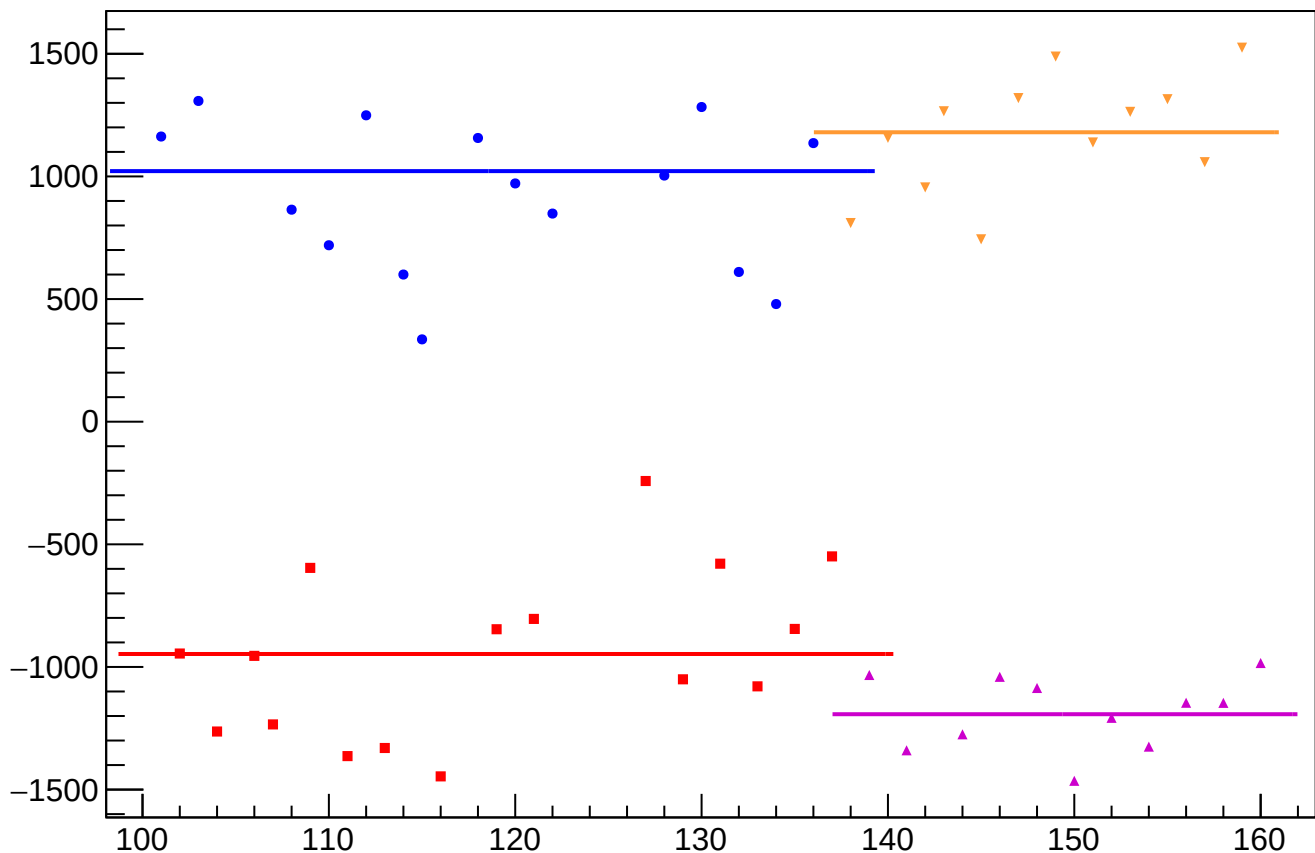
Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Left Out: 577.285+/-0.000 χ^2/NDF : 143964932817712353720884813497116917760.0/11
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 All: -73.239+/-0.000 χ^2/NDF : 854846167938

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



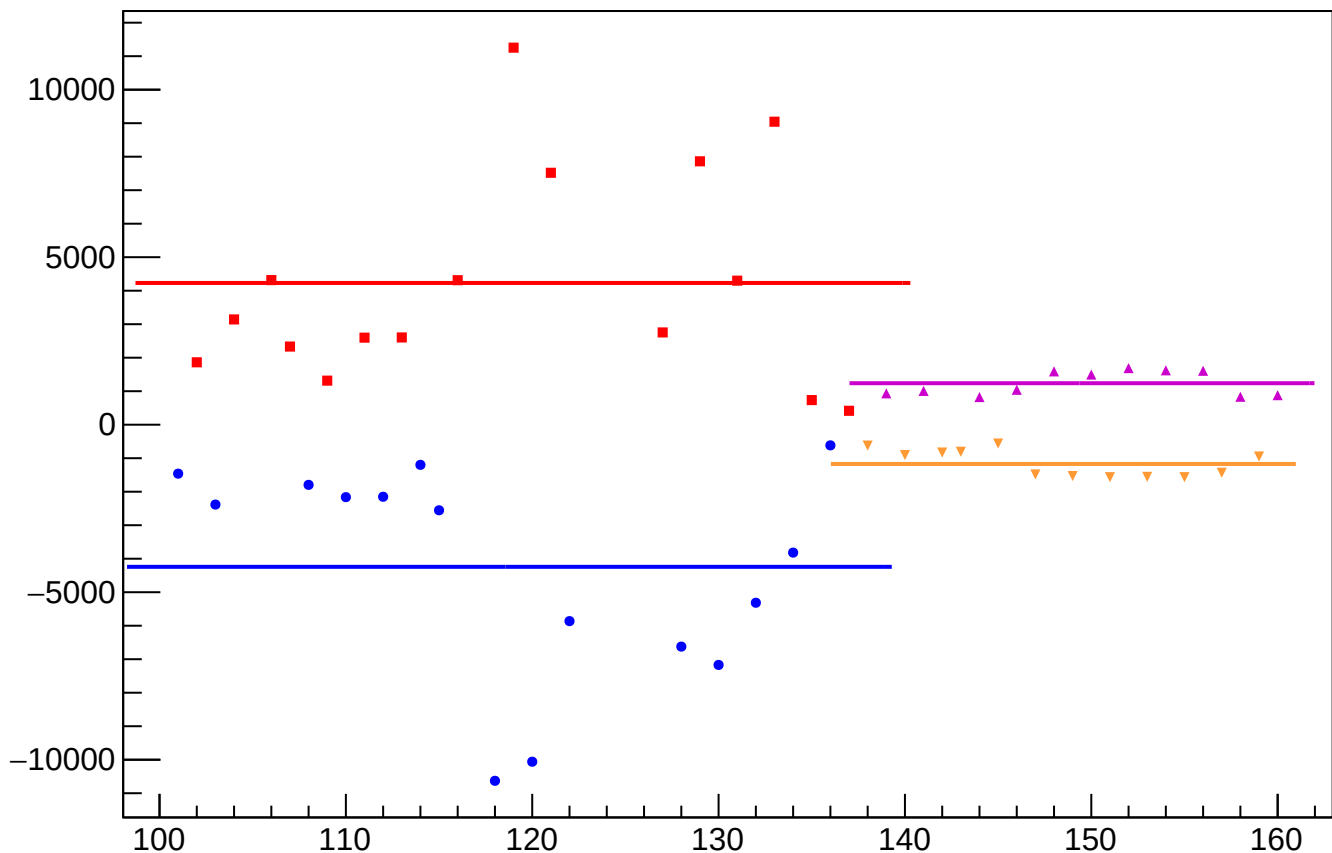
Left: -22.018 +/- 0.000 χ^2/NDF : 3128182165483401
 Right In: 363.133 +/- 0.000 χ^2/NDF : 11502791697076456426435998277995331584.0/14
 Right: 27.278 +/- 0.000 χ^2/NDF : 1636258096450768
 Left Out: 384.397 +/- 0.000 χ^2/NDF : 4703352228141784942428920611126378496.0/11
 In: -99.259 +/- 0.000 χ^2/NDF : 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 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_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174 $\pm$ 0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

Left Out: -1171.784 $\pm$ 0.000

χ^2/NDF : 137401425112319786783295403719378599936.0/11

Right Out: 4230.978 $\pm$ 0.000

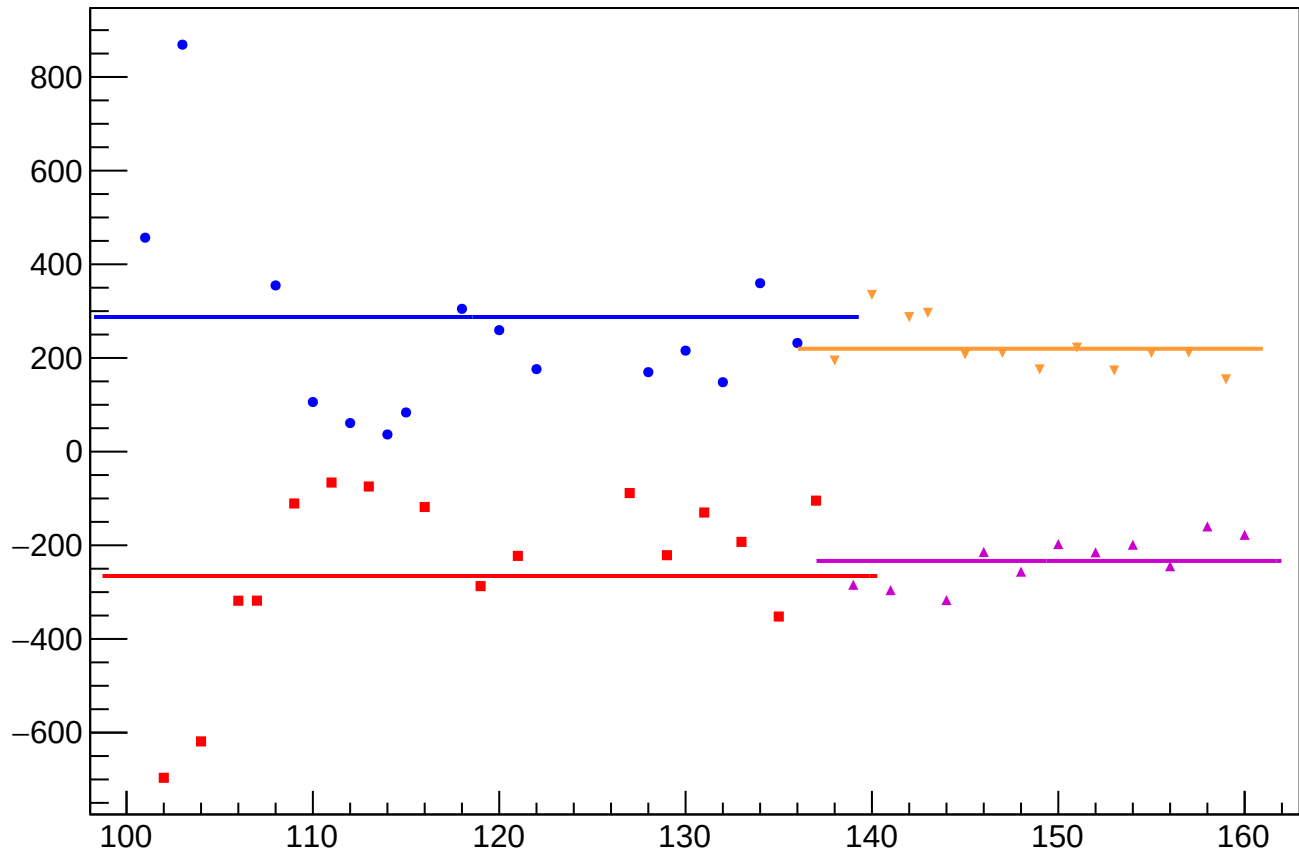
χ^2/NDF : 6682409528103016752204343573740930465792.0/15

Left In: 1238.776 $\pm$ 0.000

χ^2/NDF : 111339045659652616720712870833504124928.0/10

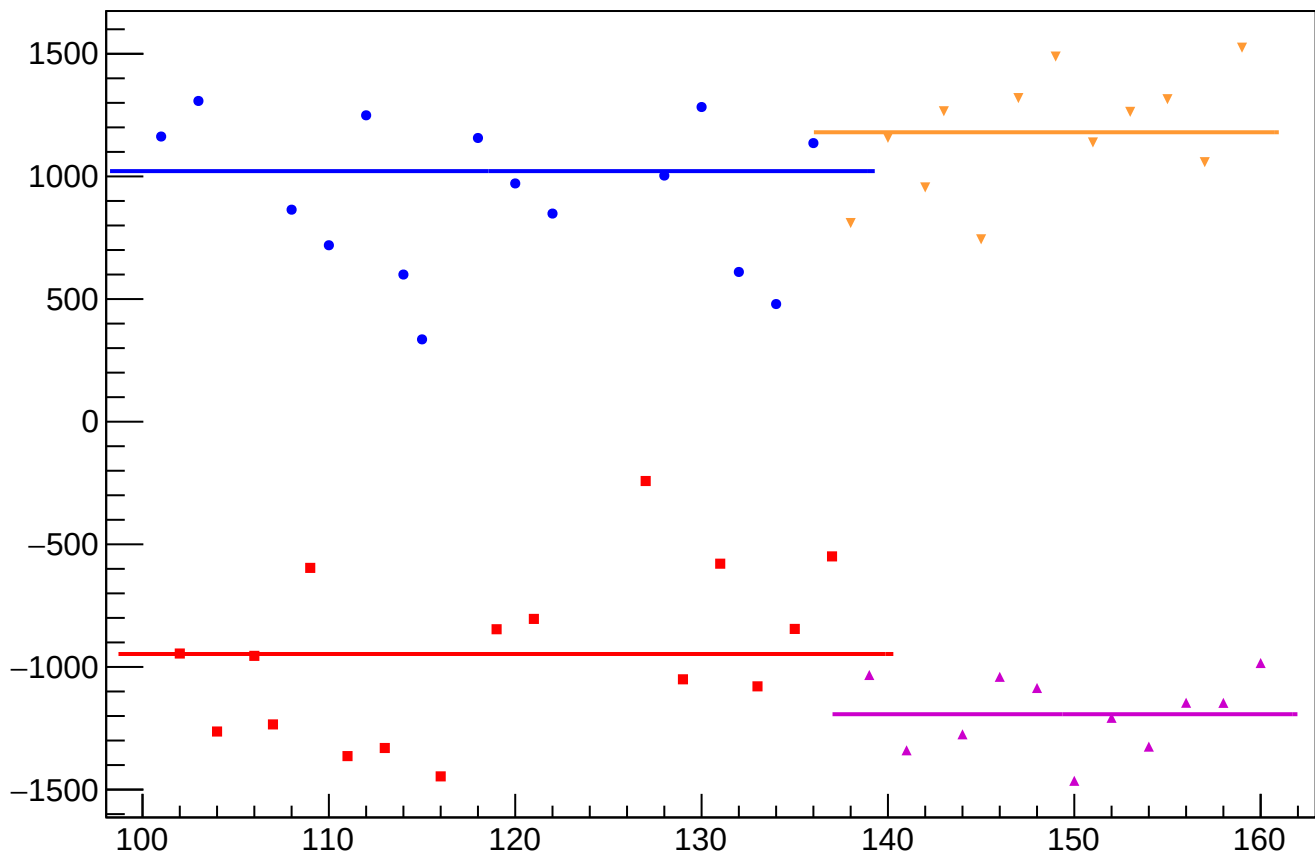
All: 45.184 $\pm$ 0.000 χ^2/NDF : 4000063219777

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460 $\pm$ 0.000 χ^2 /NDF: 29517044144826155936619151581366976512.0/14
 Left Out: 219.672 $\pm$ 0.000 χ^2 /NDF: 2455507522676926762328692419180101632.0/11
 Right Out: -265.593 $\pm$ 0.000 χ^2 /NDF: 25843263106329059274985499259066908672.0/15
 Left In: -233.397 $\pm$ 0.000 χ^2 /NDF: 2171341737989359237753599766499950592.0/10
 All: -1.734 $\pm$ 0.000 χ^2 /NDF: 2550962914121

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

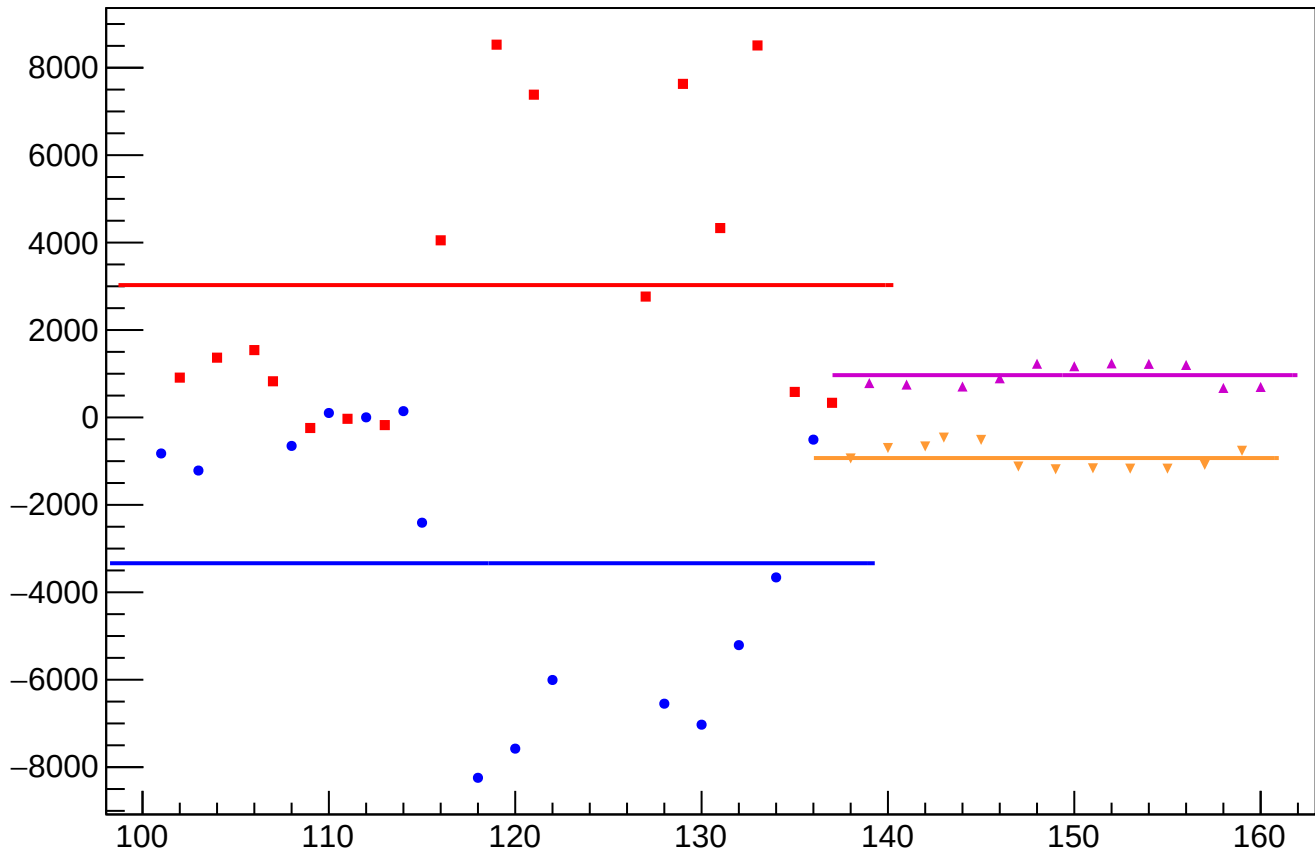
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3335.273+/-0.000

χ^2/NDF : 6338087251589637529030075517152423575552.0/14

Left Out: -928.862+/-0.000

χ^2/NDF : 62250510021534104734591710459968094208.0/11

Right Out: 3027.603+/-0.000

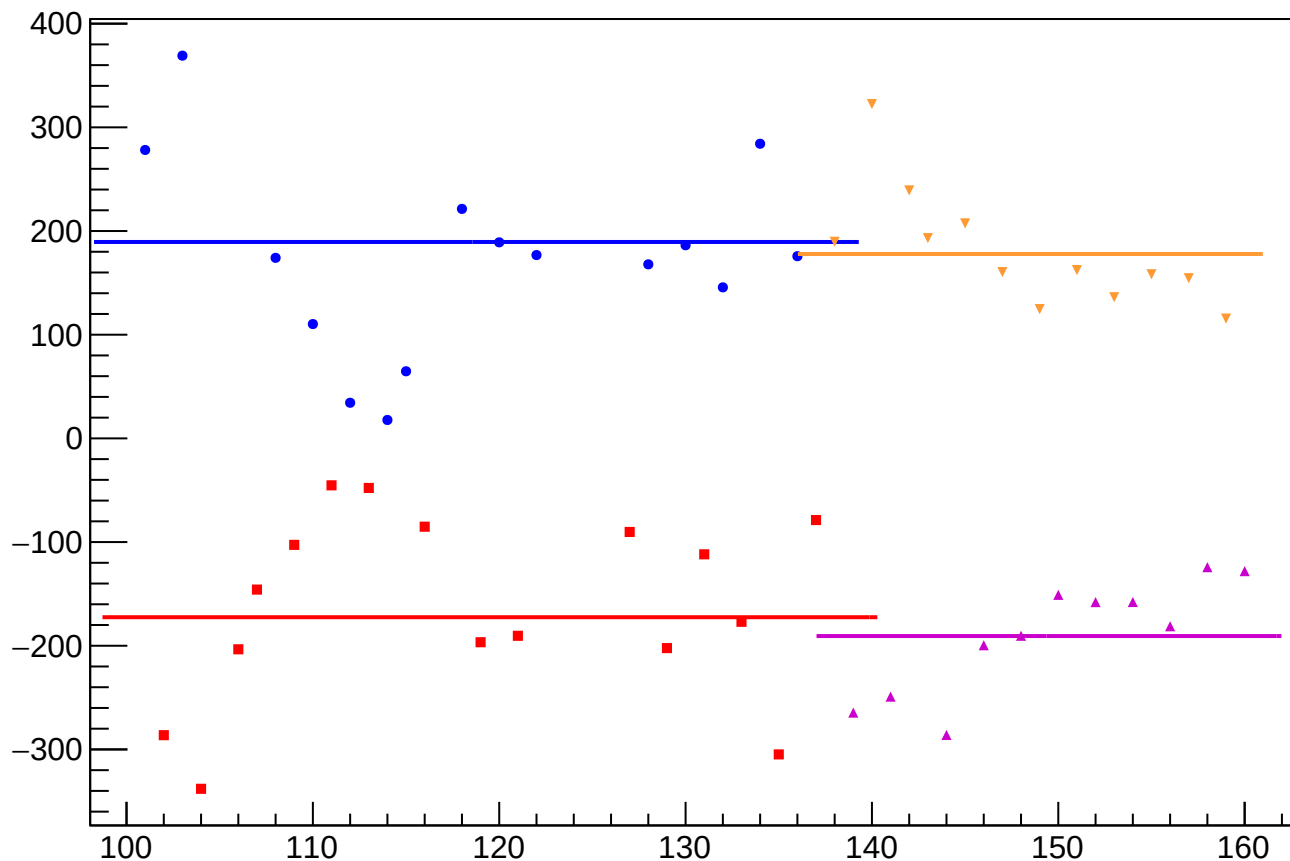
χ^2/NDF : 7086157086694396583090903767581326311424.0/15

Left In: 967.568+/-0.000

χ^2/NDF : 51461881619401718567497787720865939456.0/10

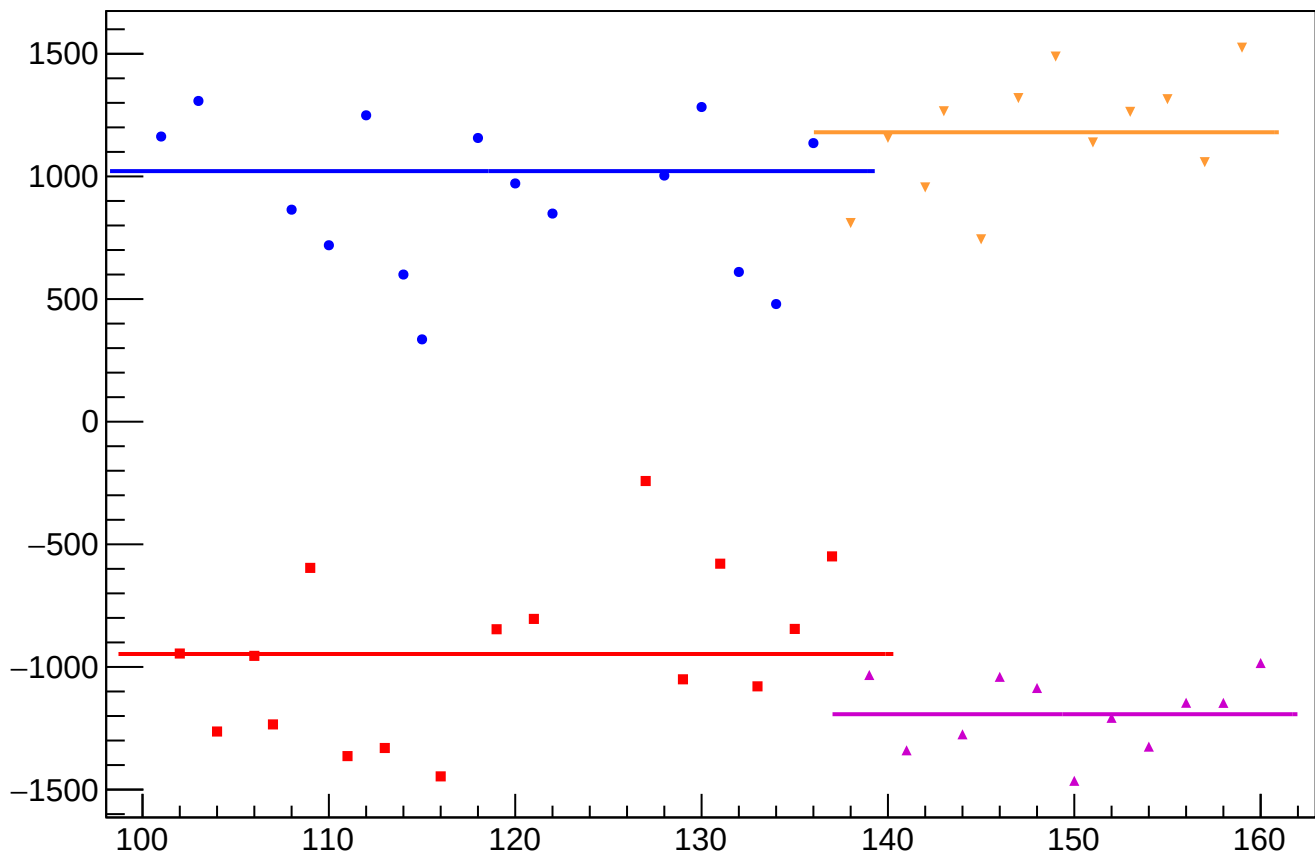
All: -31.746+/-0.000 χ^2/NDF : 285218808380

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



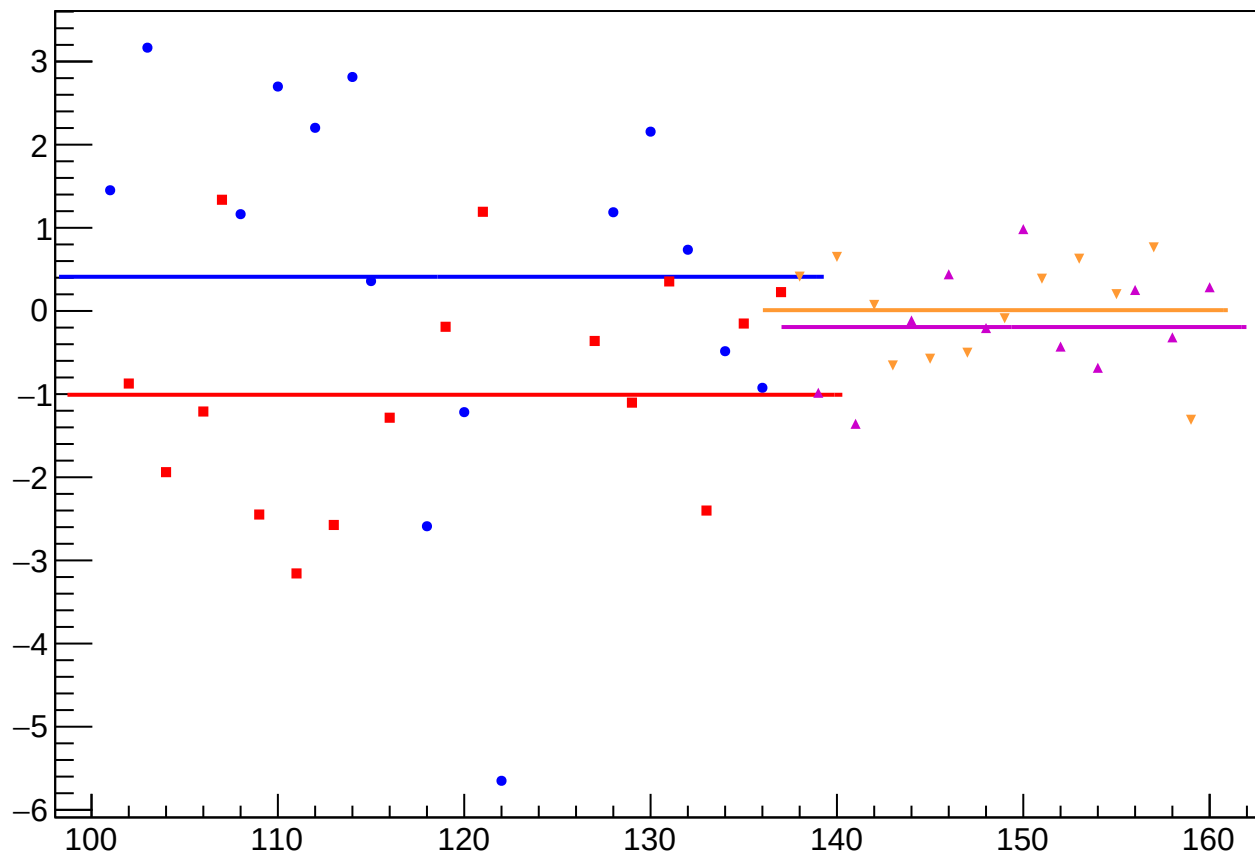
Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Left Out: 177.811 +/- 0.000 χ^2/NDF : 2793392529927944860081581234505908224.0/11
 Right Out: -172.485 +/- 0.000 χ^2/NDF : 5594813408996728261938711470404534272.0/15
 Left In: -190.641 +/- 0.000 χ^2/NDF : 2536070386684067132001548898091925504.0/10
 All: -1.818 +/- 0.000 χ^2/NDF : 1212358862395

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



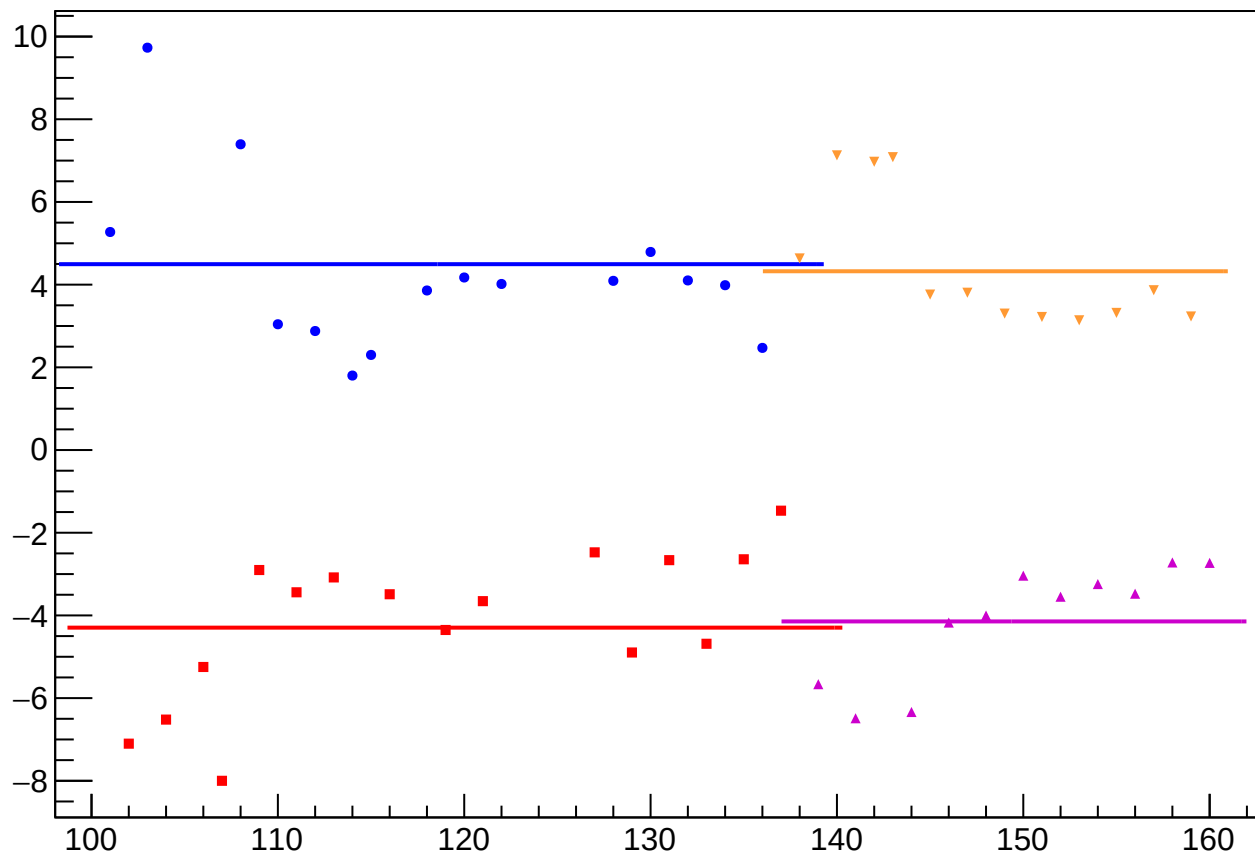
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_4aX_coil4_mean vs Slug, Sign Corrected



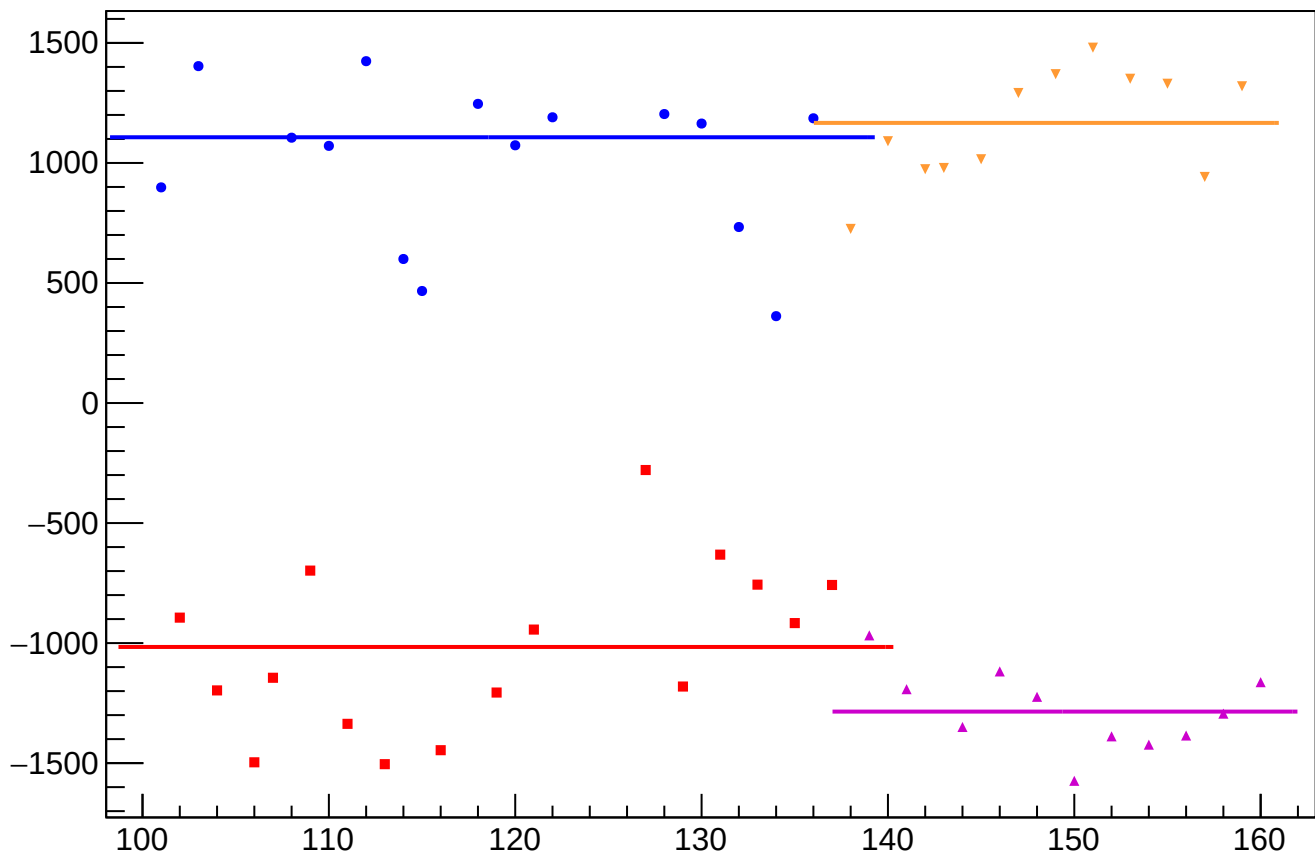
Right In: 0.411 ± 0.000 $\chi^2/\text{NDF}: 3385573506255563170053089820409856.0/14$
 Left Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 354573516648160349272665694928896.0/11$
 Right Out: -1.008 ± 0.000 $\chi^2/\text{NDF}: 1128402228144096394498047410700288.0/15$
 Left In: -0.193 ± 0.000 $\chi^2/\text{NDF}: 386133523330033860307880234713088.0/10$
 All: -0.182 ± 0.000 $\chi^2/\text{NDF}: 5971597389441$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



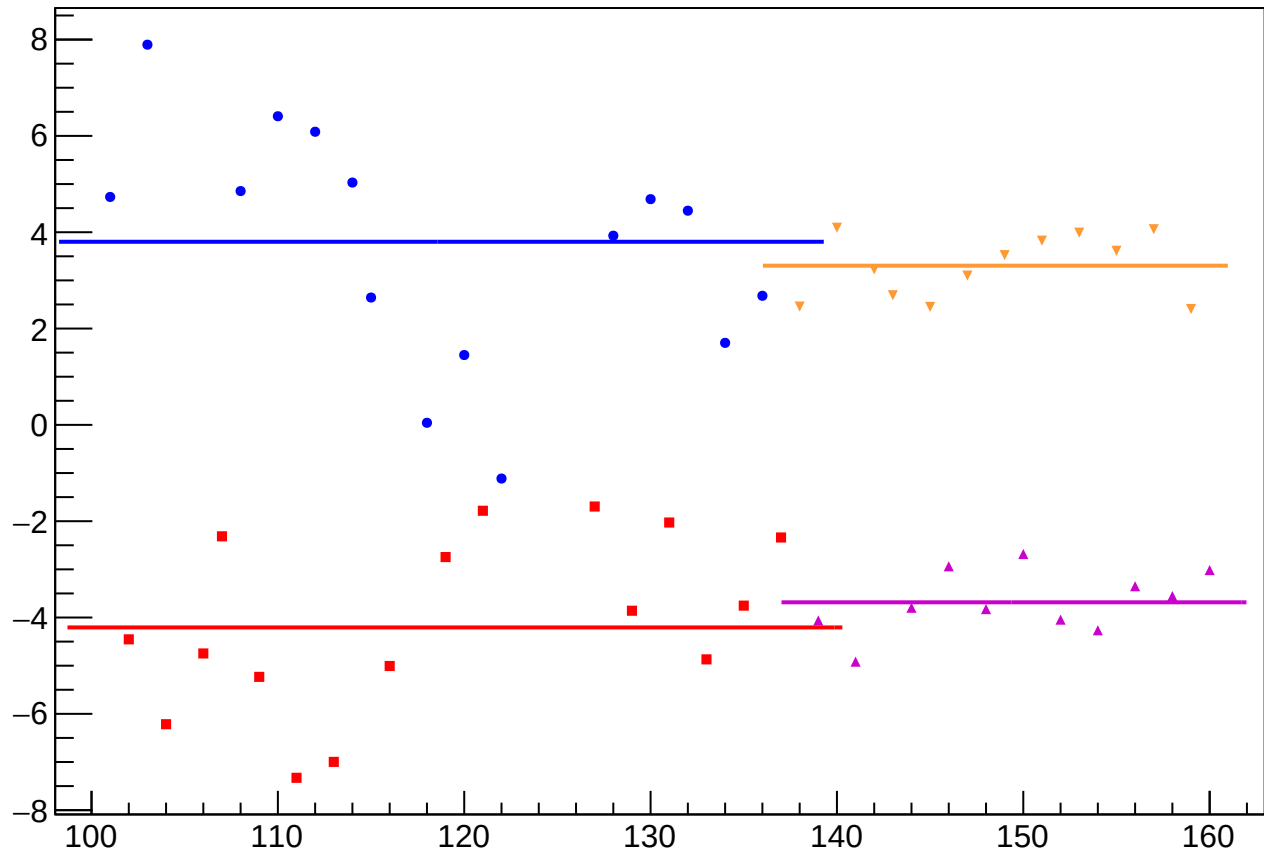
Right In: 4.495+/-0.000 χ^2/NDF : 2742240072441097531500728791597056.0/14
 Left Out: 4.324+/-0.000 χ^2/NDF : 2025534969388950058407109119180800.0/11
 Right Out: -4.296+/-0.000 χ^2/NDF : 2011925707062051890381007475441664.0/15
 Left In: -4.145+/-0.000 χ^2/NDF : 1645942604303349608571849827942400.0/10
 All: 0.055+/-0.000 χ^2/NDF : 66802270544338

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



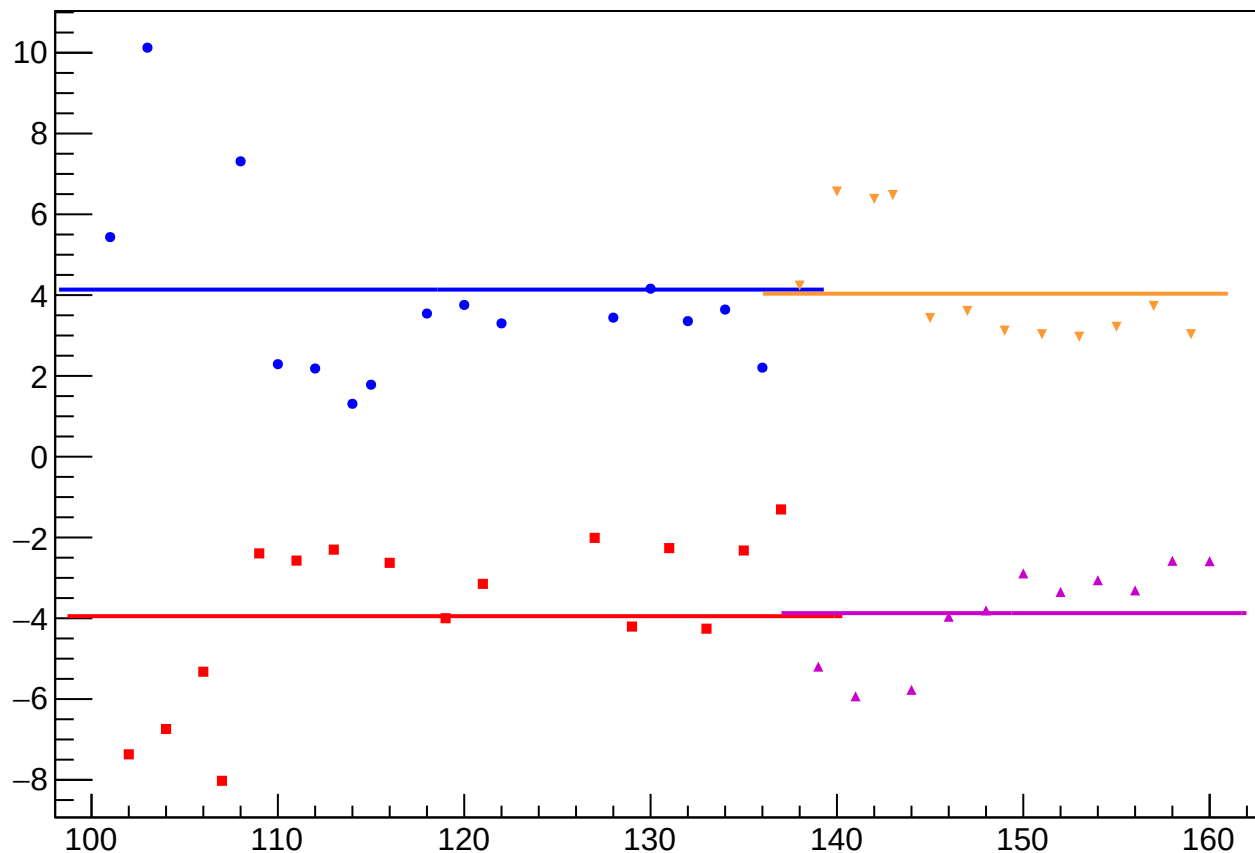
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4eX_coil4_mean vs Slug, Sign Corrected



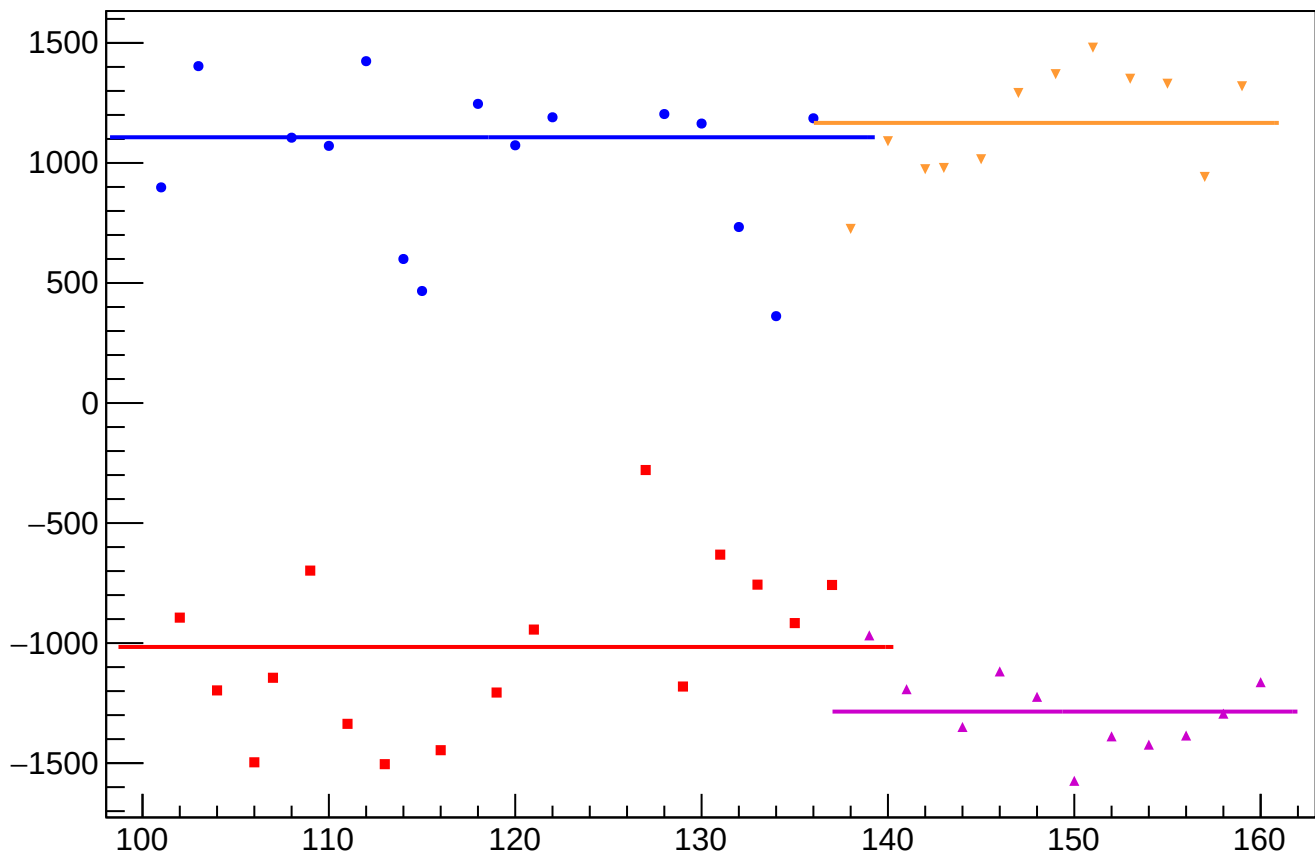
Right In: 3.802 ± 0.000 $\chi^2/\text{NDF}: 3795476074398338930564700657680384.0/14$
 Left Out: 3.305 ± 0.000 $\chi^2/\text{NDF}: 375514605339805624898679558111232.0/11$
 Right Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 2096427813341454573332265183477760.0/15$
 Left In: -3.684 ± 0.000 $\chi^2/\text{NDF}: 366001419656422310601850072596480.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 5017617766780.0/14$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



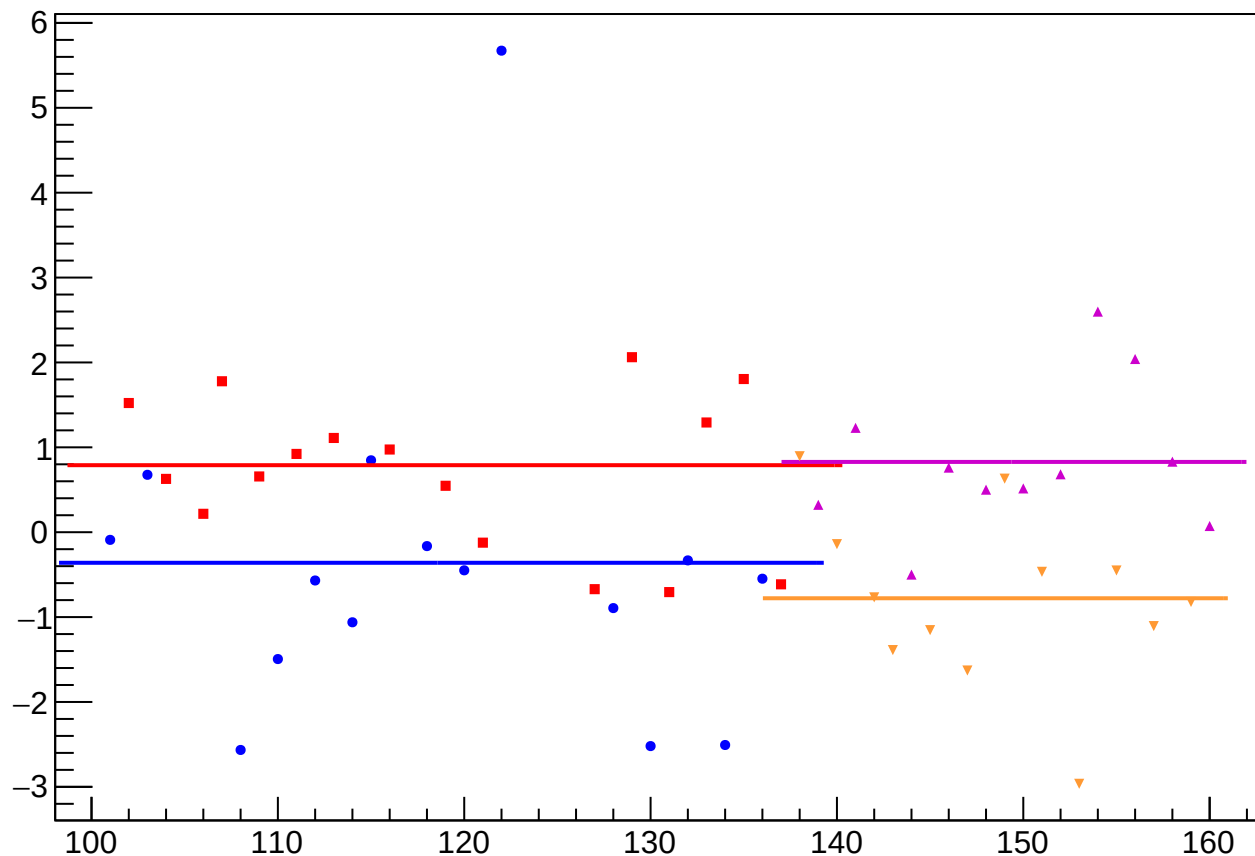
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.035 $\pm$ 0.000 χ^2 /NDF: 16092990613525785486150138363904.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59300481694443

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



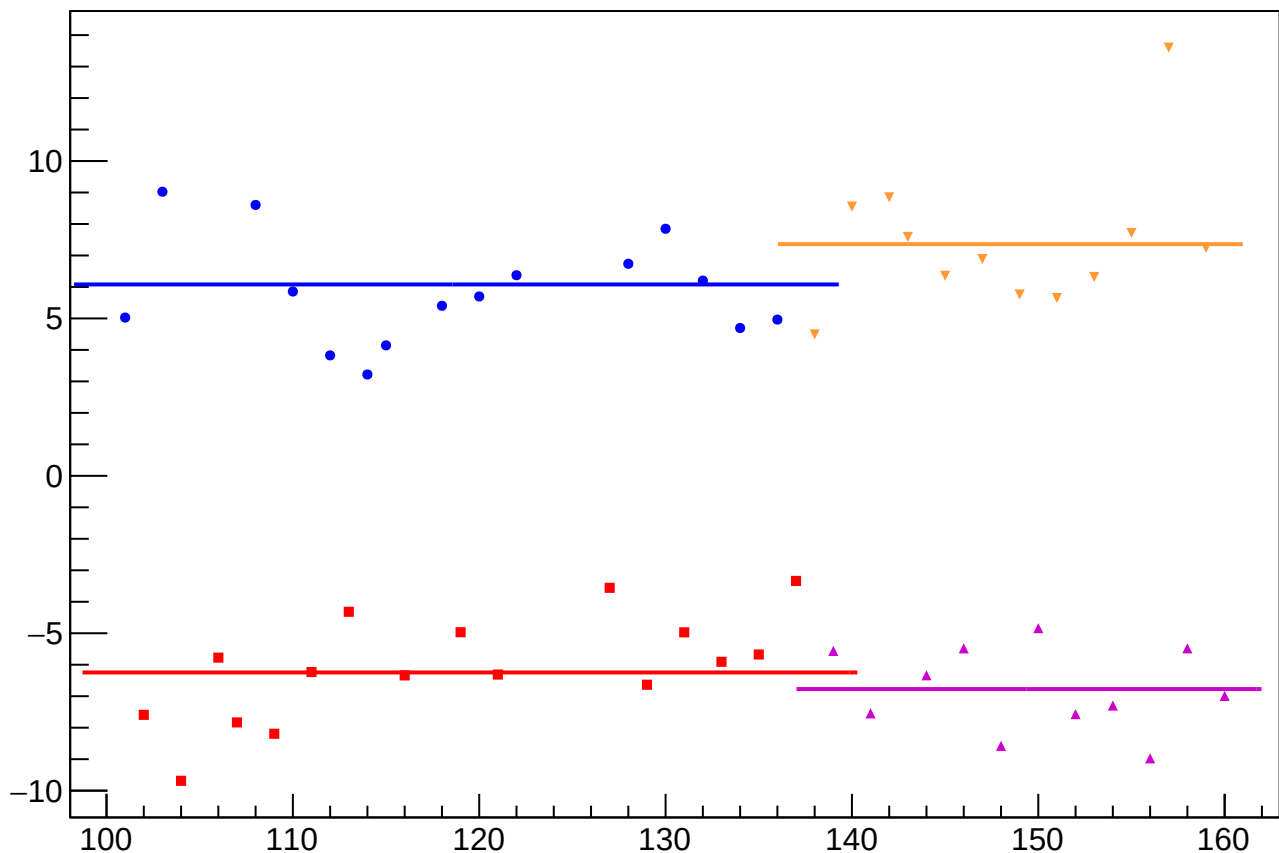
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	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



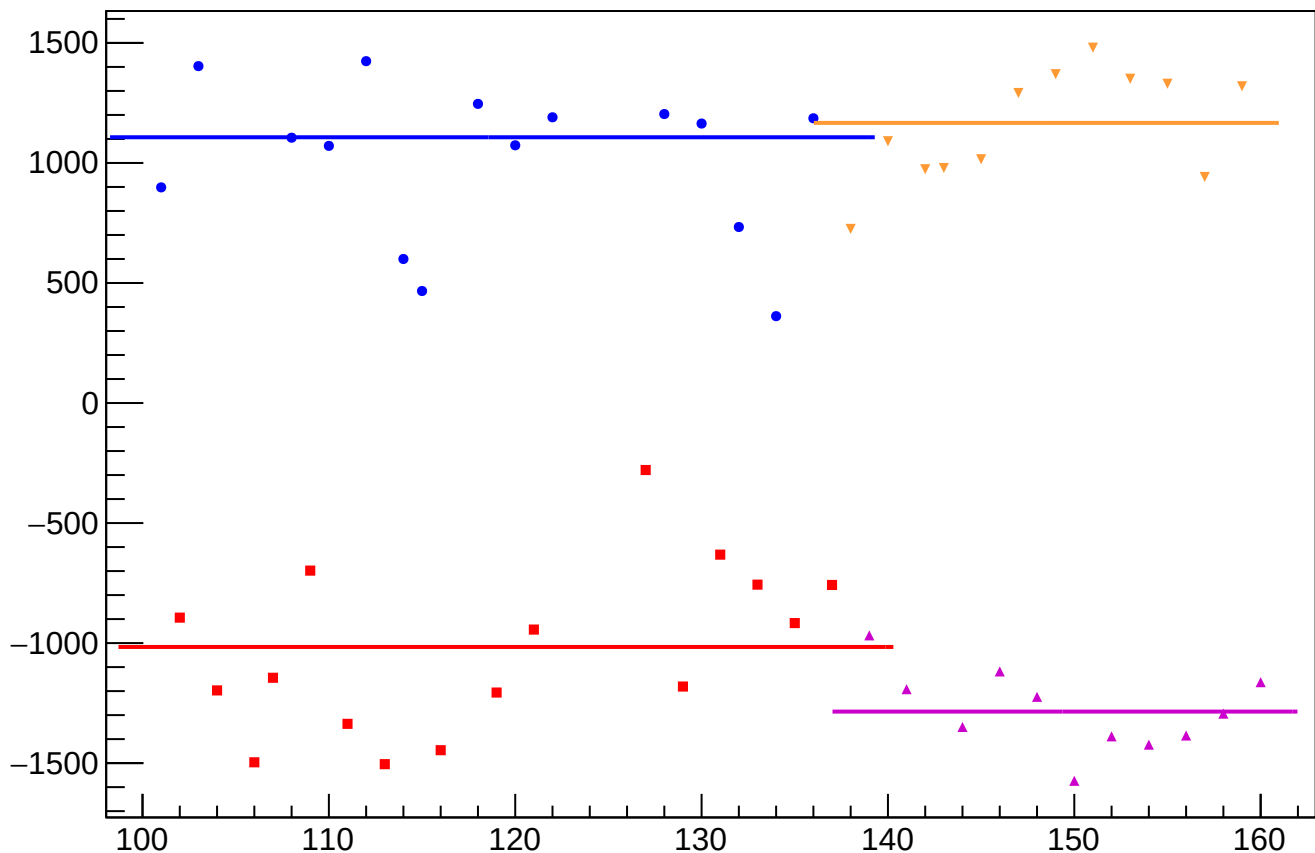
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.778 ± 0.000 χ^2/NDF : 941792568376434225486843988672512.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.828 ± 0.000 χ^2/NDF : 650173977459122524537180454387712.0/10
 All: 0.110 ± 0.000 χ^2/NDF : 58843184622867

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



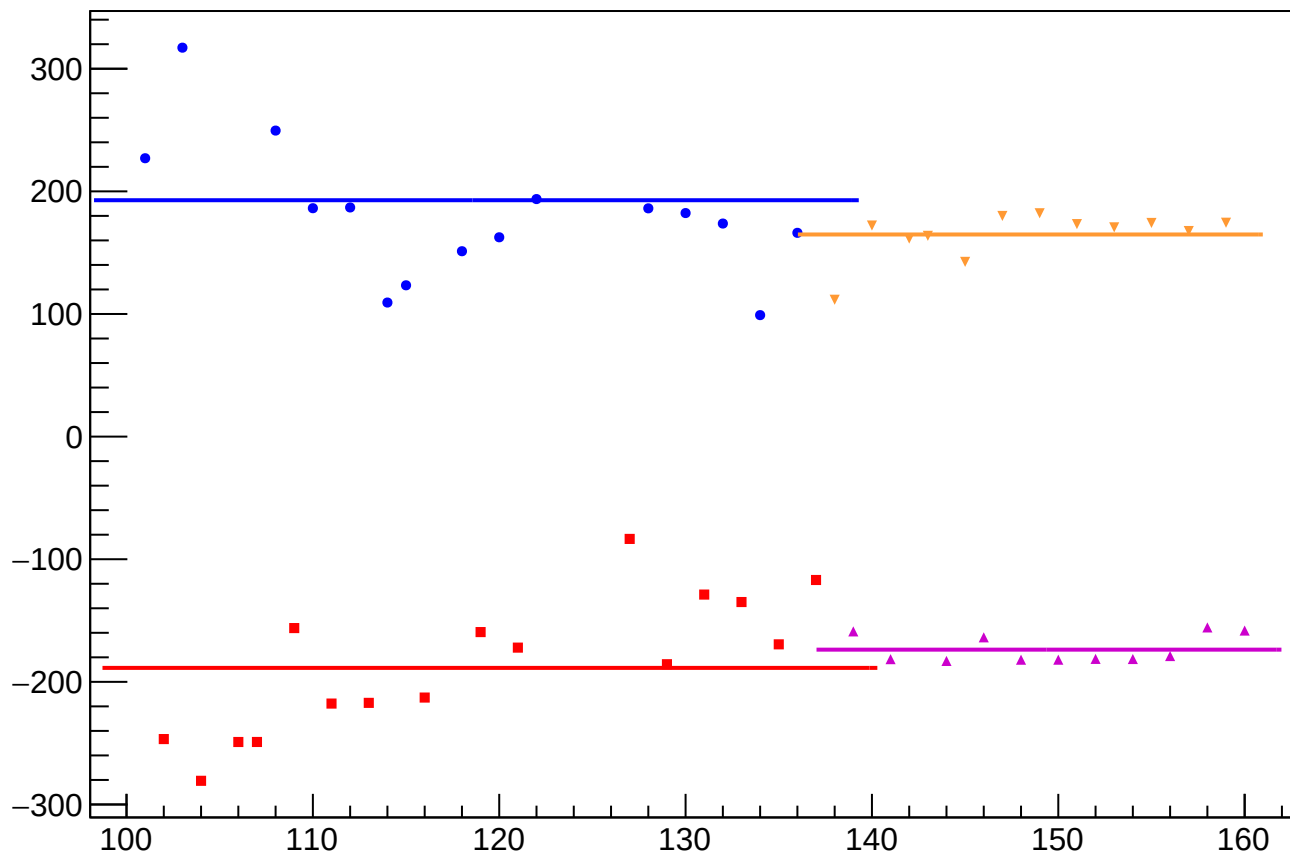
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.360 ± 0.000 $\chi^2/\text{NDF}: 4580380755239365503585140070154240.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 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 $\pm$ 0.000

χ^2 /NDF: 1640576279746948433391816936236515328.0/14

Left Out: 164.832 $\pm$ 0.000

χ^2 /NDF: 331248867631864480349687016910225408.0/11

Right Out: -188.612 $\pm$ 0.000

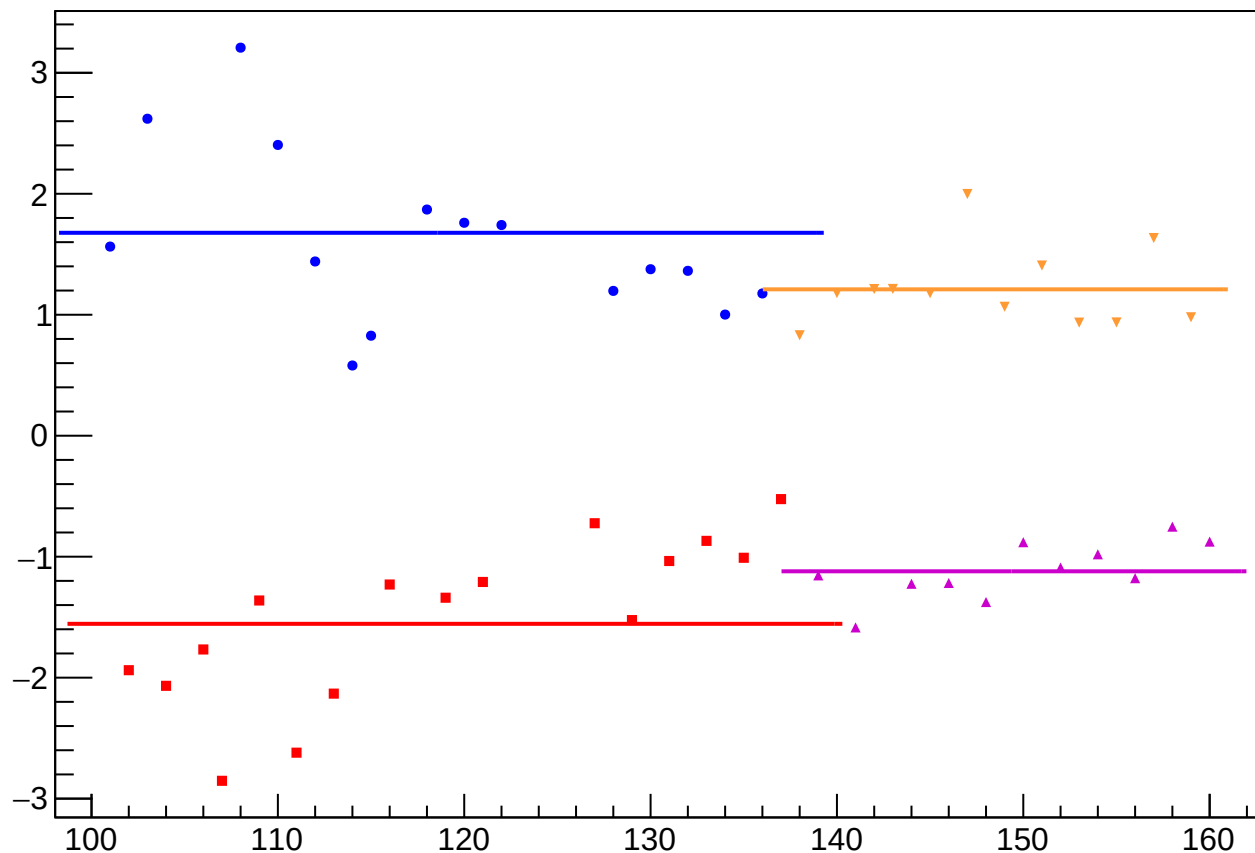
χ^2 /NDF: 1922342257287674563344204730019610624.0/15

Left In: -173.738 $\pm$ 0.000

χ^2 /NDF: 107568156923900649458795541002452992.0/10

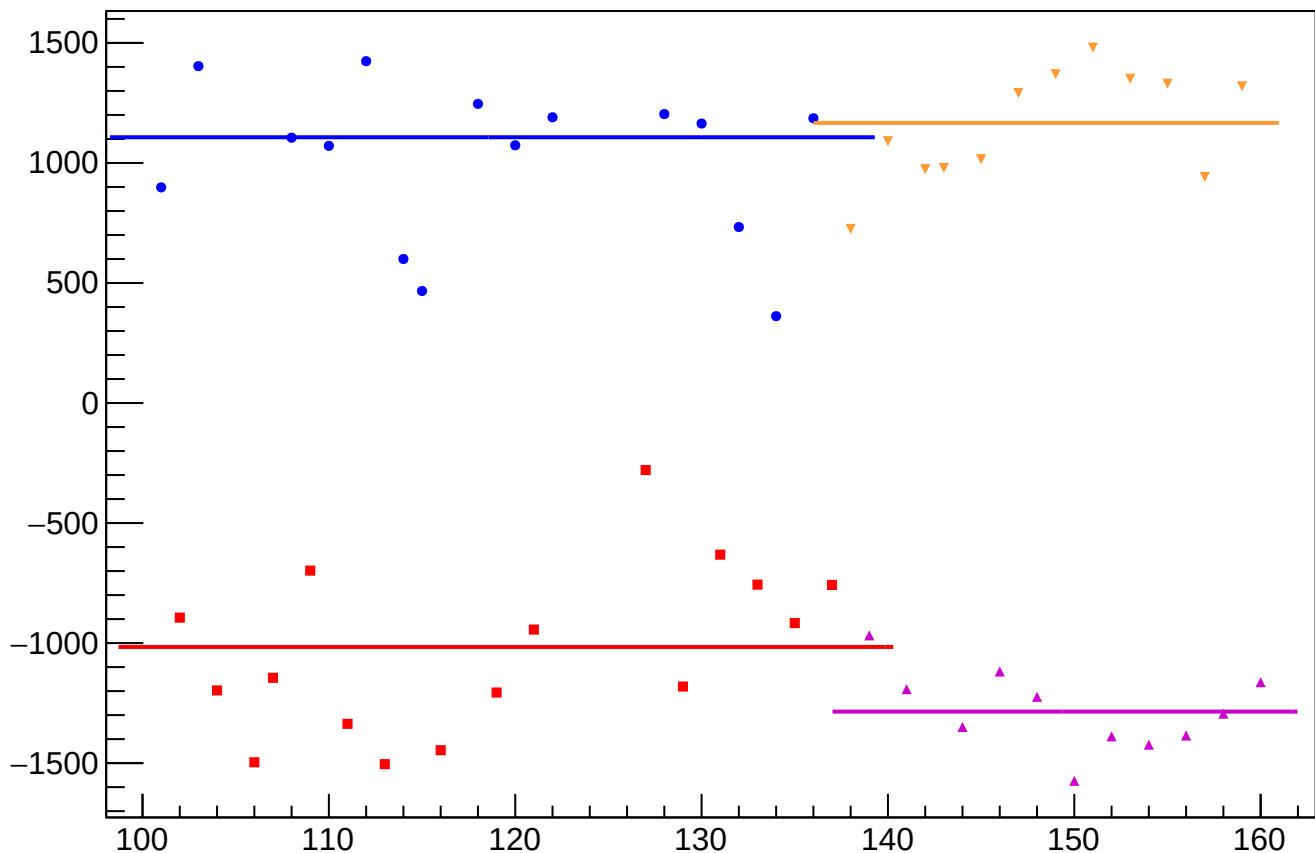
All: -3.352 $\pm$ 0.000 χ^2 /NDF: 1045358110774

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



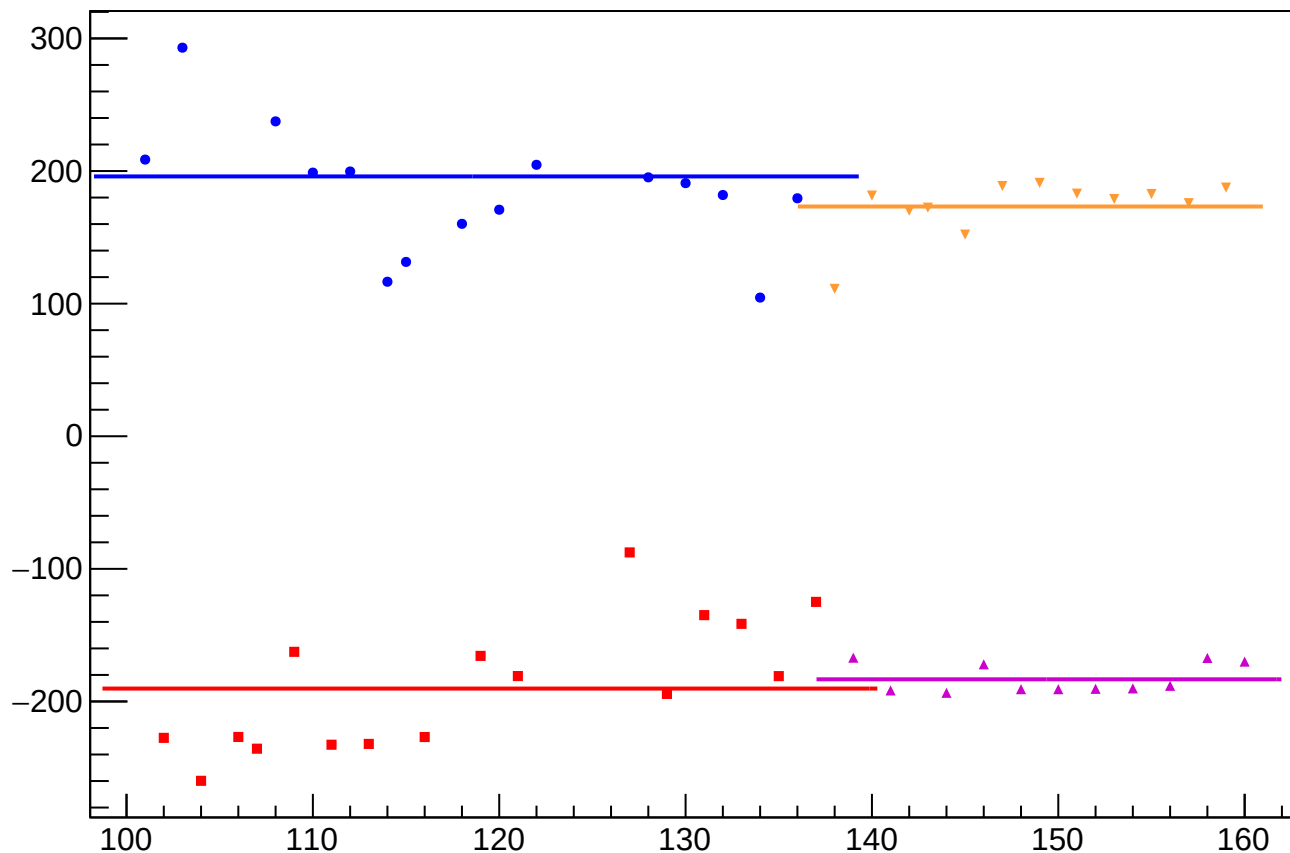
Right In: 1.677 $\pm$ 0.000 χ^2 /NDF: 241879924044788593292791559225344.0/14
 Left Out: 1.210 $\pm$ 0.000 χ^2 /NDF: 95500502458420026672384705560576.0/11
 Right Out: -1.555 $\pm$ 0.000 χ^2 /NDF: 255645951433890296827677195108352.0/15
 Left In: -1.121 $\pm$ 0.000 χ^2 /NDF: 48374896563348957372285351624704.0/10
 All: 0.039 $\pm$ 0.000 χ^2 /NDF: 65745148787562

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



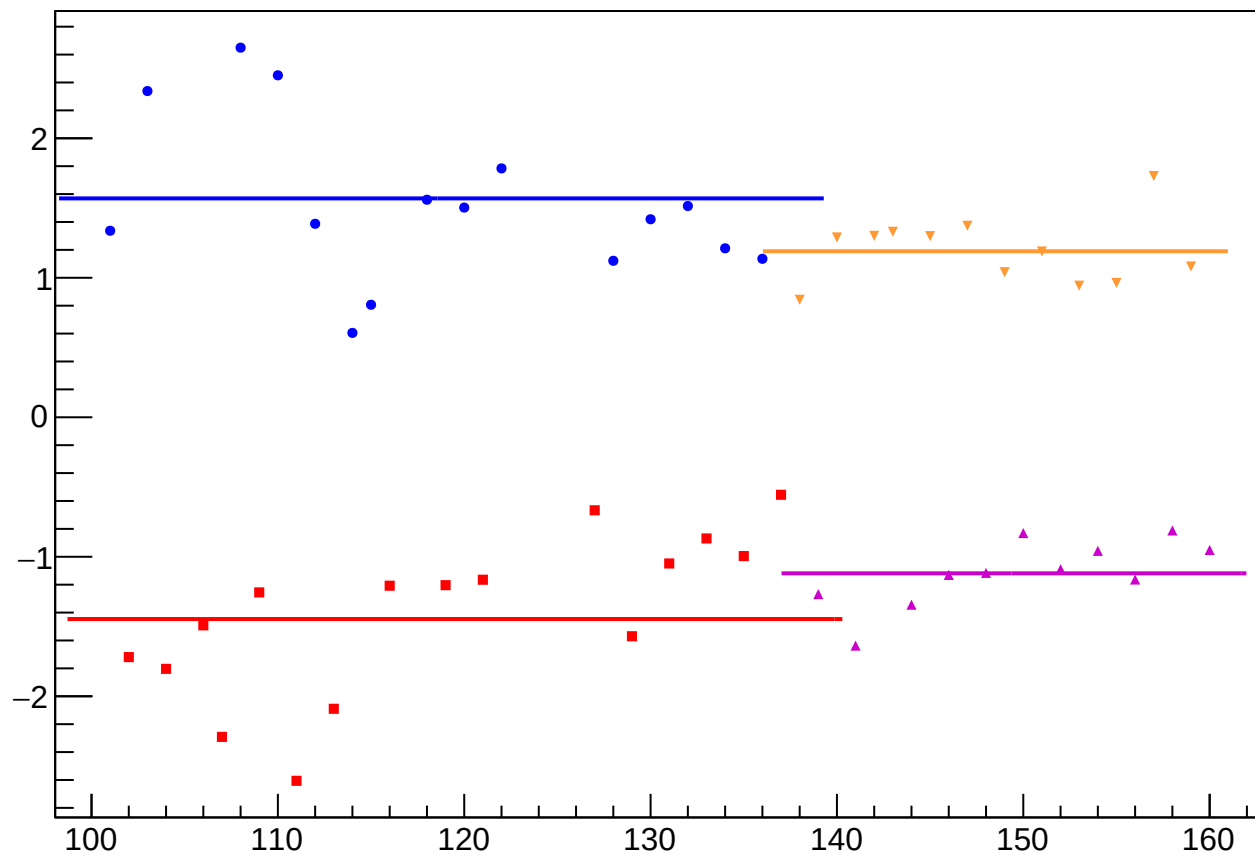
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4eY_coil4_mean vs Slug, Sign Corrected



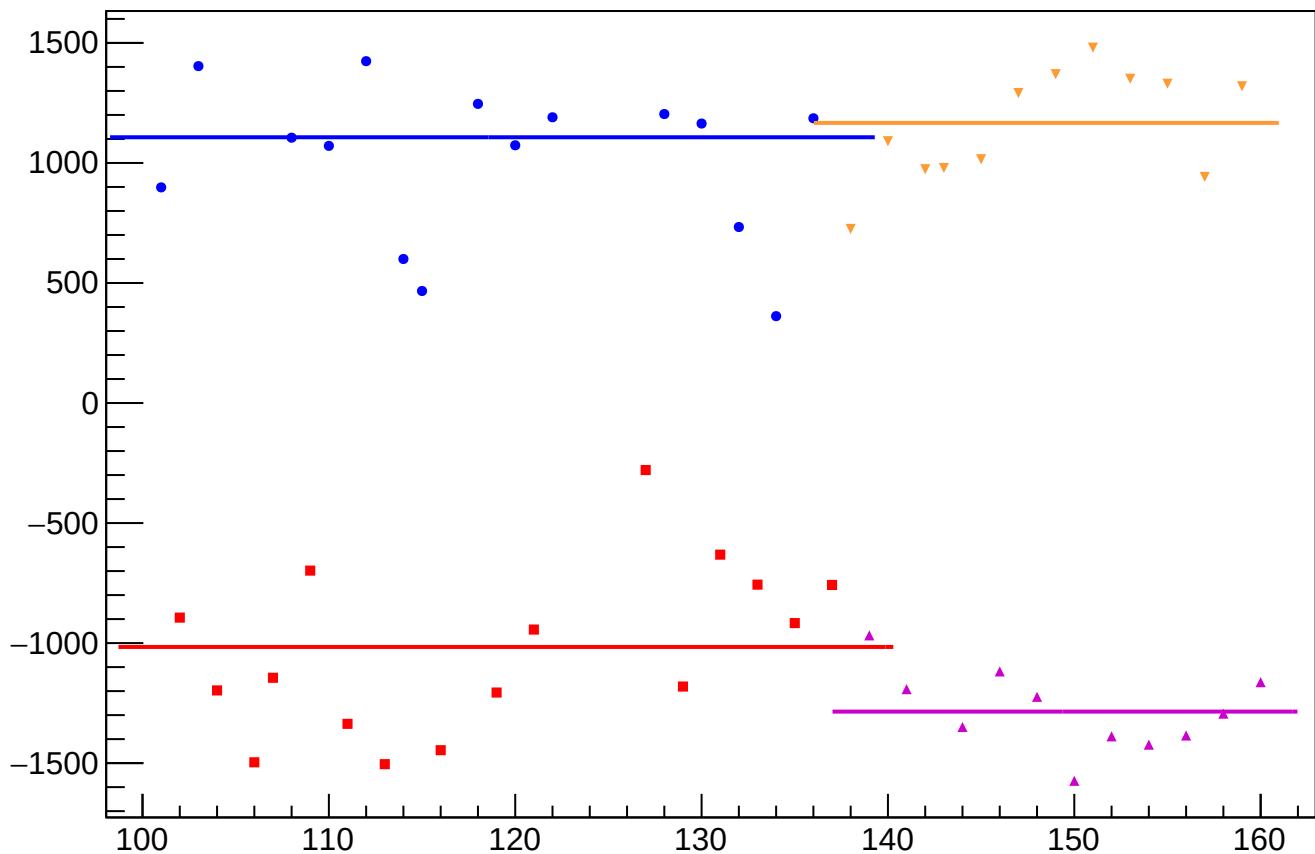
Right In: 195.940 ± 0.000 $\chi^2/\text{NDF}: 1057891079869089572370479093183938560.0/14$
 Left Out: 173.245 ± 0.000 $\chi^2/\text{NDF}: 421189743022312956779621222954565632.0/11$
 Right Out: -190.268 ± 0.000 $\chi^2/\text{NDF}: 1468473073667973330267084234323656704.0/15$
 Left In: -183.290 ± 0.000 $\chi^2/\text{NDF}: 101738841511111417821042611832487936.0/10$
 All: -3.411 ± 0.000 $\chi^2/\text{NDF}: 1105507050353$

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



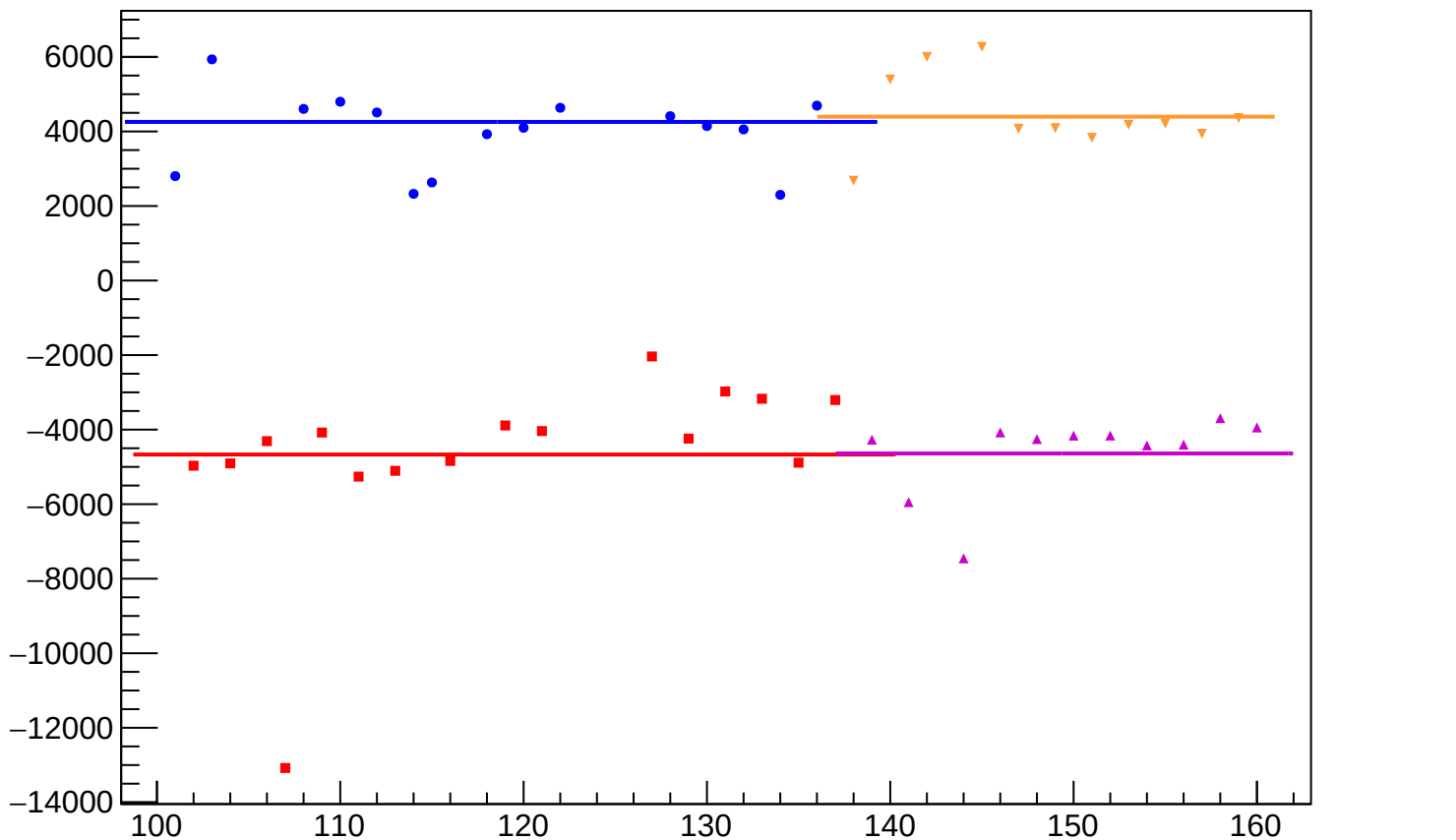
Right In: 1.569 ± 0.000 $\chi^2/\text{NDF}: 162849195668123380789610540957696.0/14$
 Left Out: 1.190 ± 0.000 $\chi^2/\text{NDF}: 50745822936032217336144814145536.0/11$
 Right Out: -1.446 ± 0.000 $\chi^2/\text{NDF}: 196296653917523352443271052787712.0/15$
 Left In: -1.118 ± 0.000 $\chi^2/\text{NDF}: 48973496995723480911801365823488.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 58987559316177$

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



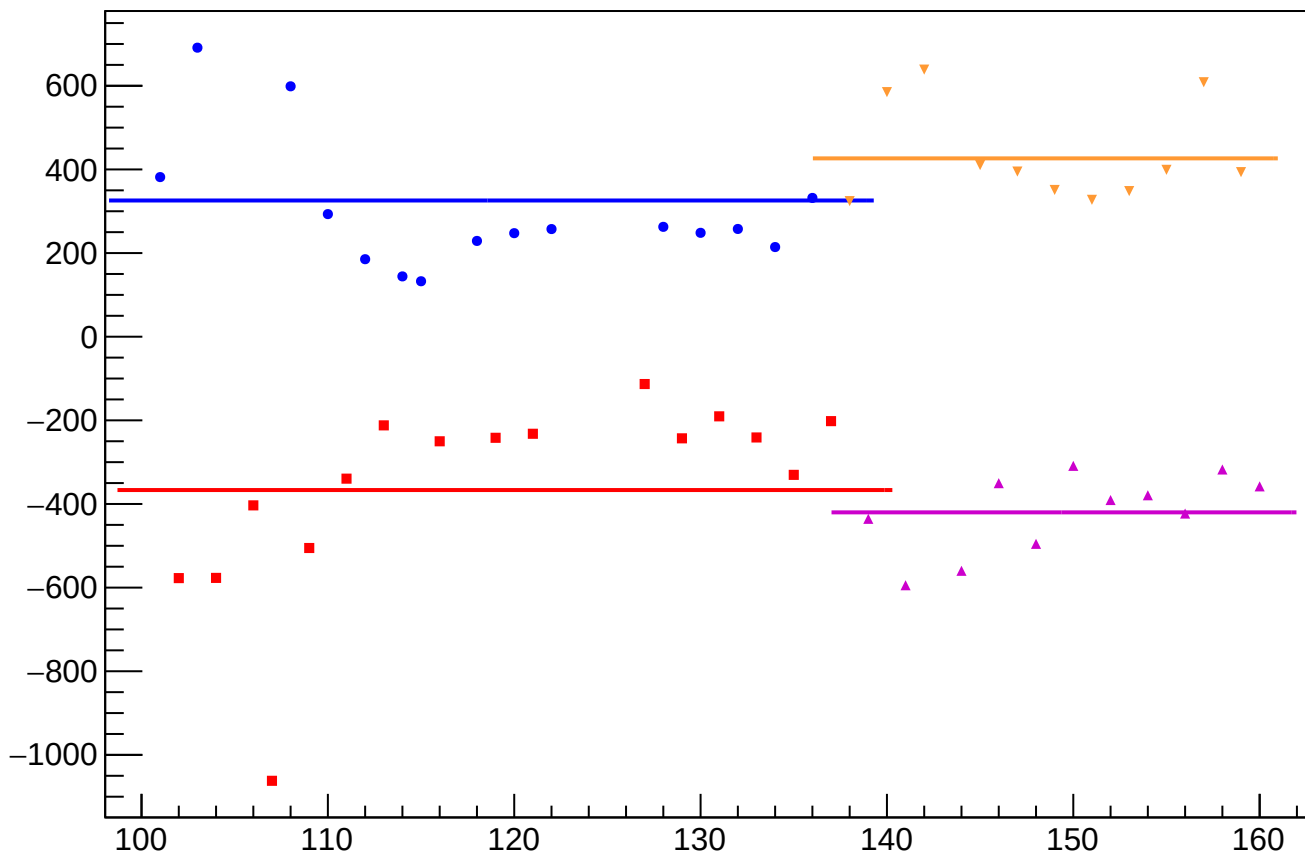
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_usl_coil4_mean vs Slug, Sign Corrected



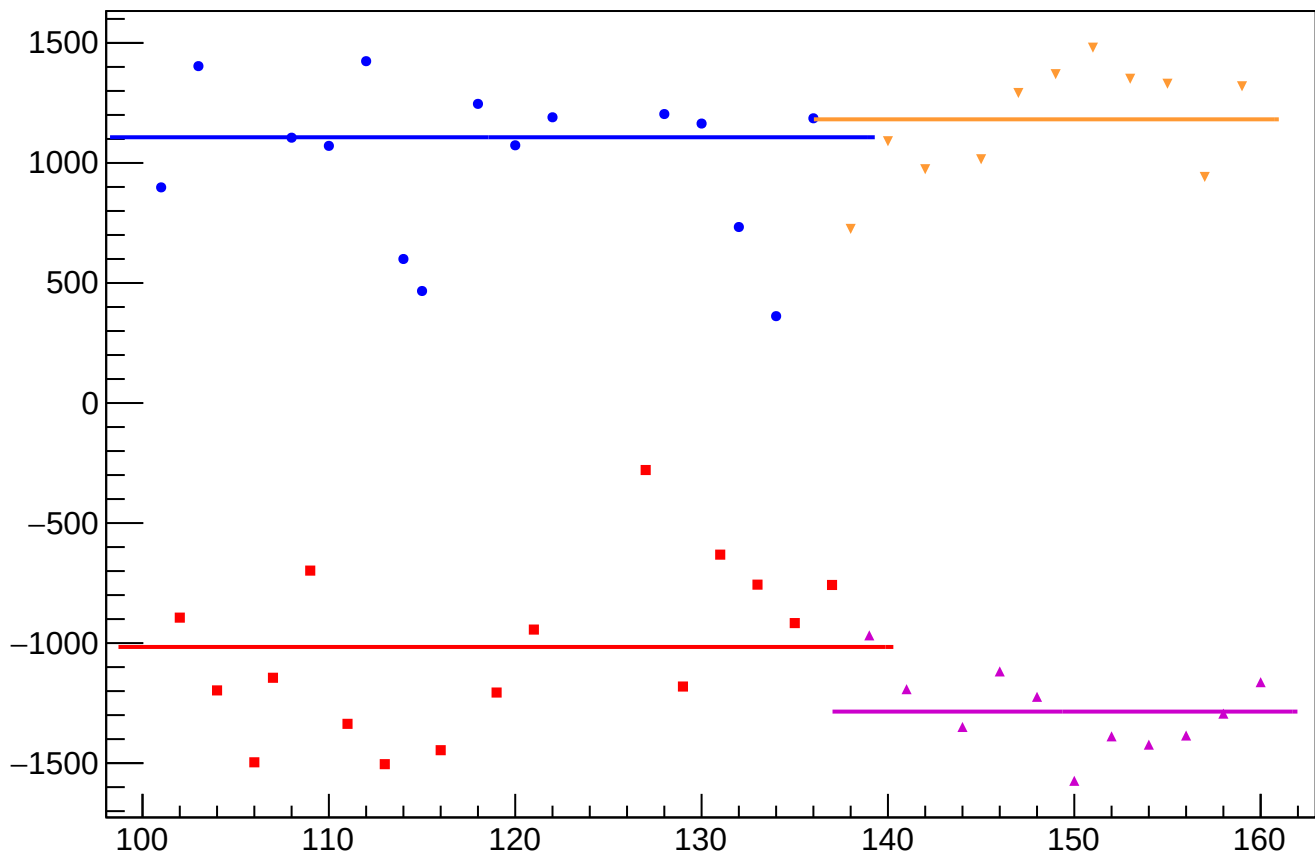
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4396.403+/-0.000 χ^2/NDF : 767686308157486440179100240552638021632.0/10
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4639.846+/-0.000 χ^2/NDF : 1058446303743243170530981239939506634752.0/10
 All: -296.246+/-0.000 χ^2/NDF : 67809743893

dit_usl_coil4_err_mean vs Slug, Sign Corrected



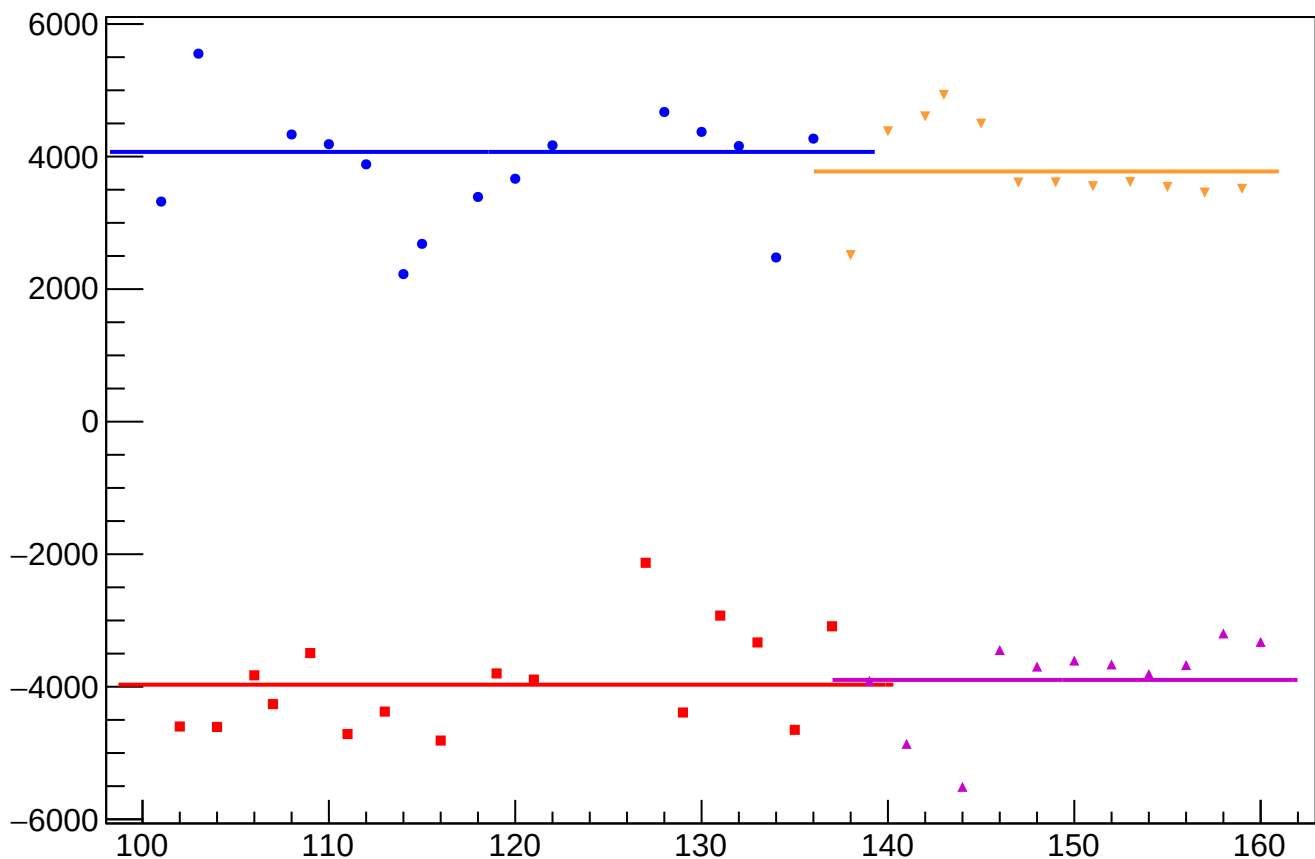
Right In: 325.732 +/- 0.000 χ^2/NDF : 14633359567940244123897242769854300160.0/14
 Left Out: 426.446 +/- 0.000 χ^2/NDF : 9564737566607591468000084323542761472.0/10
 Right Out: -366.682 +/- 0.000 χ^2/NDF : 32097250699947956409117440115398934528.0/15
 Left In: -420.062 +/- 0.000 χ^2/NDF : 7706514276709269263404419491802644480.0/10
 All: -19.474 +/- 0.000 χ^2/NDF : 538446931474

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1181.721 $\pm$ 0.000 χ^2 /NDF: 42102883856321275256821029062509068288.0/10
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -47.303 $\pm$ 0.000 χ^2 /NDF: 436585203886

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

Left Out: 3775.469+/-0.000

Right Out: -3968.723+/-0.000

Left In: -3896.757+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

χ^2/NDF : 344611737456116155441573311529372090368.0/11

χ^2/NDF : 359955880326194784467353369492594884608.0/15

χ^2/NDF : 412530714584693730225130204014353317888.0/10

Left: -81.515+/-0.000 χ^2/NDF : 2780391490195932

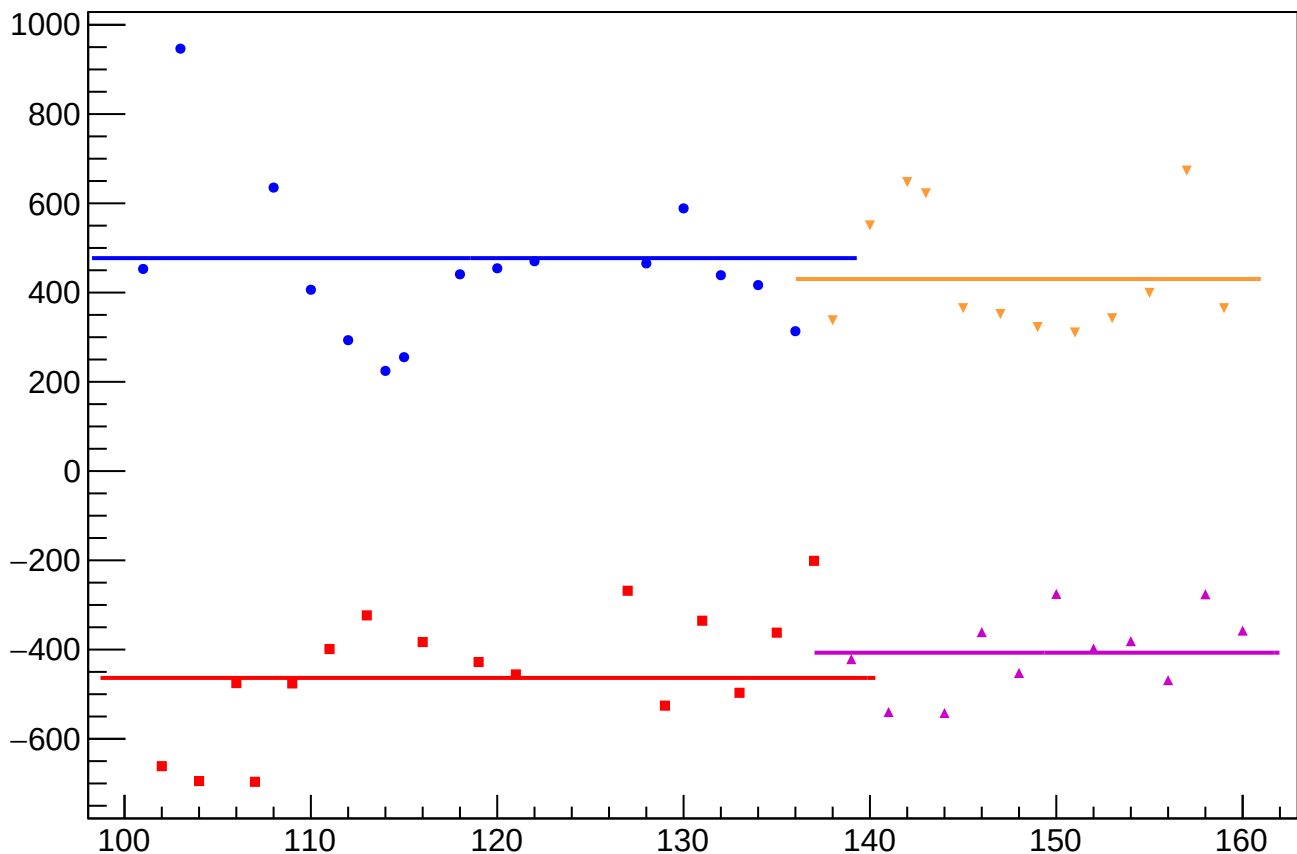
Right: -4.119+/-0.000 χ^2/NDF : 2196193539942721

In: -609.591+/-0.000 χ^2/NDF : 2495492786013162

Out: 508.311+/-0.000 χ^2/NDF : 2383013038851413

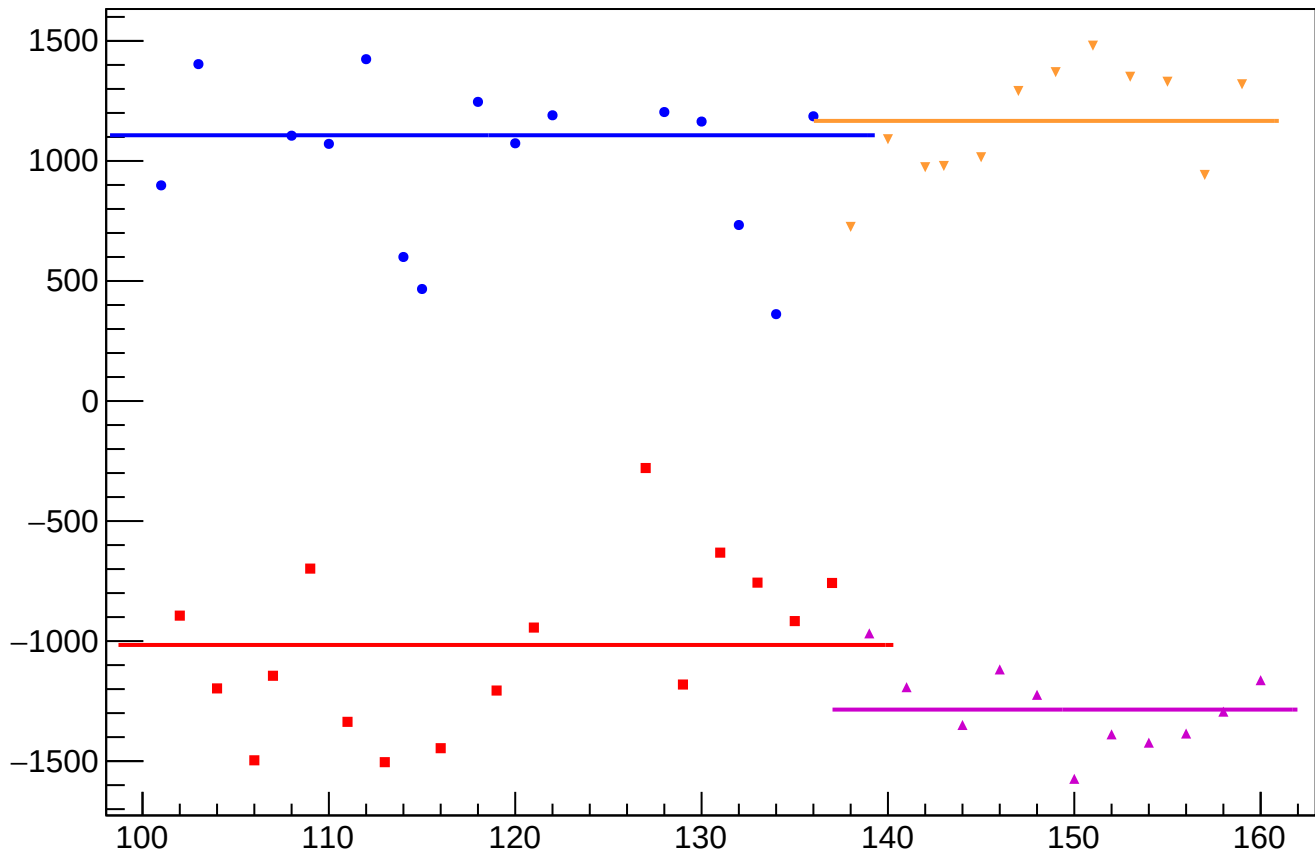
All: -49.222+/-0.000 χ^2/NDF : 497704442491

dit_usr_coil4_err_mean vs Slug, Sign Corrected



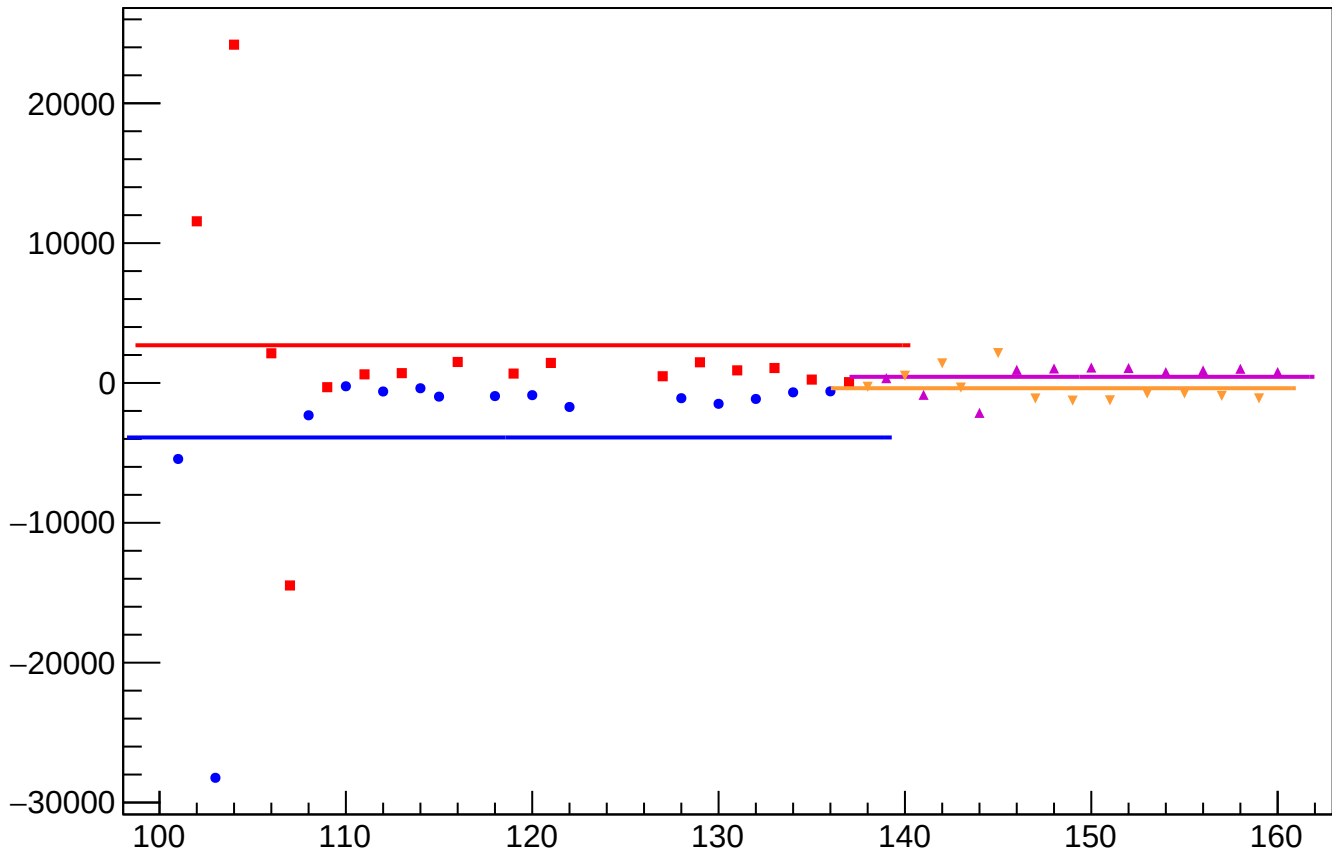
Right In: 477.186 +/- 0.000 χ^2/NDF : 20455719931758379978892605184974782464.0/14
 Left Out: 430.385 +/- 0.000 χ^2/NDF : 15124863187063515916775500602167787520.0/11
 Right Out: -463.513 +/- 0.000 χ^2/NDF : 12556777931069903370031832388184571904.0/15
 Left In: -406.990 +/- 0.000 χ^2/NDF : 7014219134688394471330081136711827456.0/10
 All: 5.658 +/- 0.000 χ^2/NDF : 66848676133618

dit_usr_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_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522+/-0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -375.430+/-0.000

χ^2/NDF : 958630071854954411455962799285737619456.0/11

Right Out: 2695.992+/-0.000

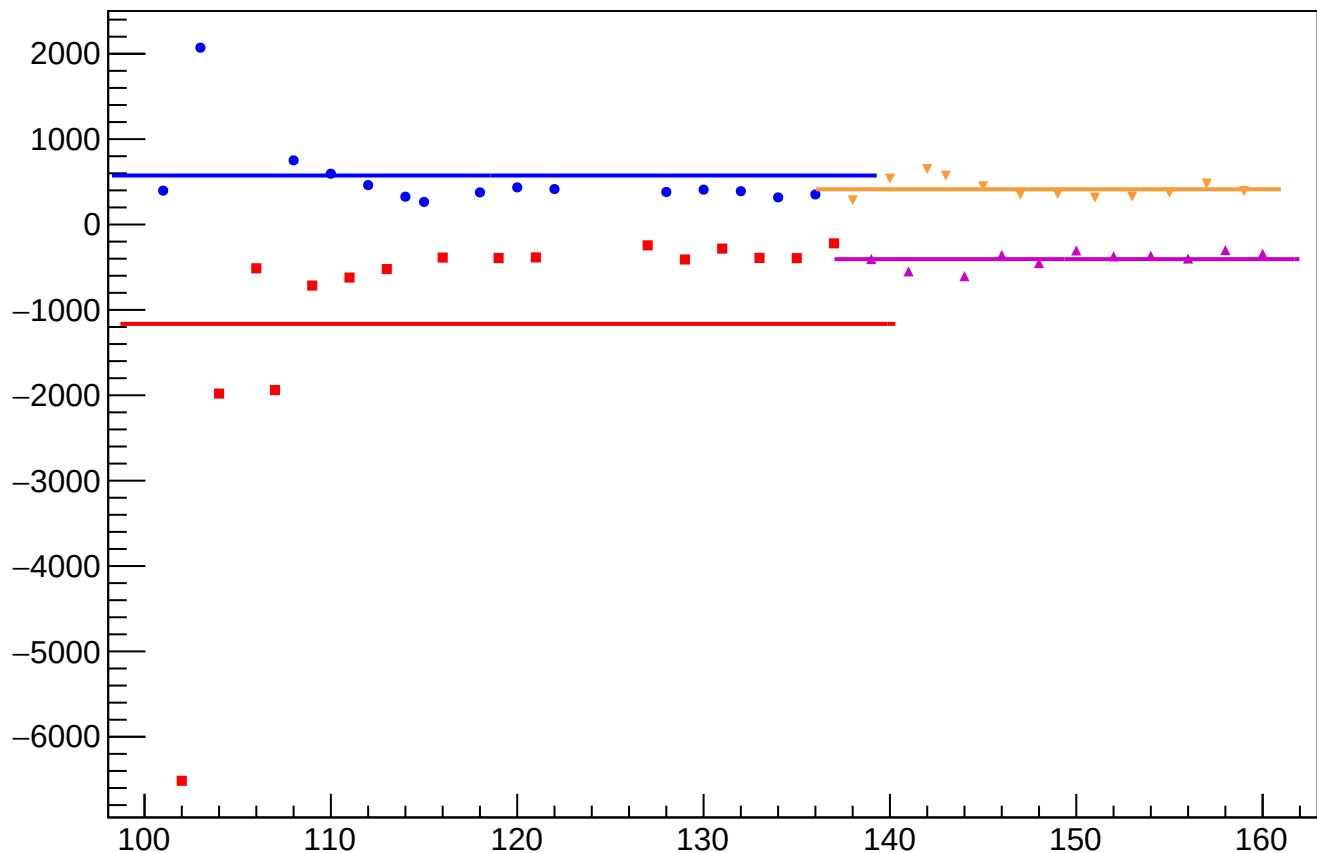
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 439.289+/-0.000

χ^2/NDF : 921031566733723872829454078558930468864.0/10

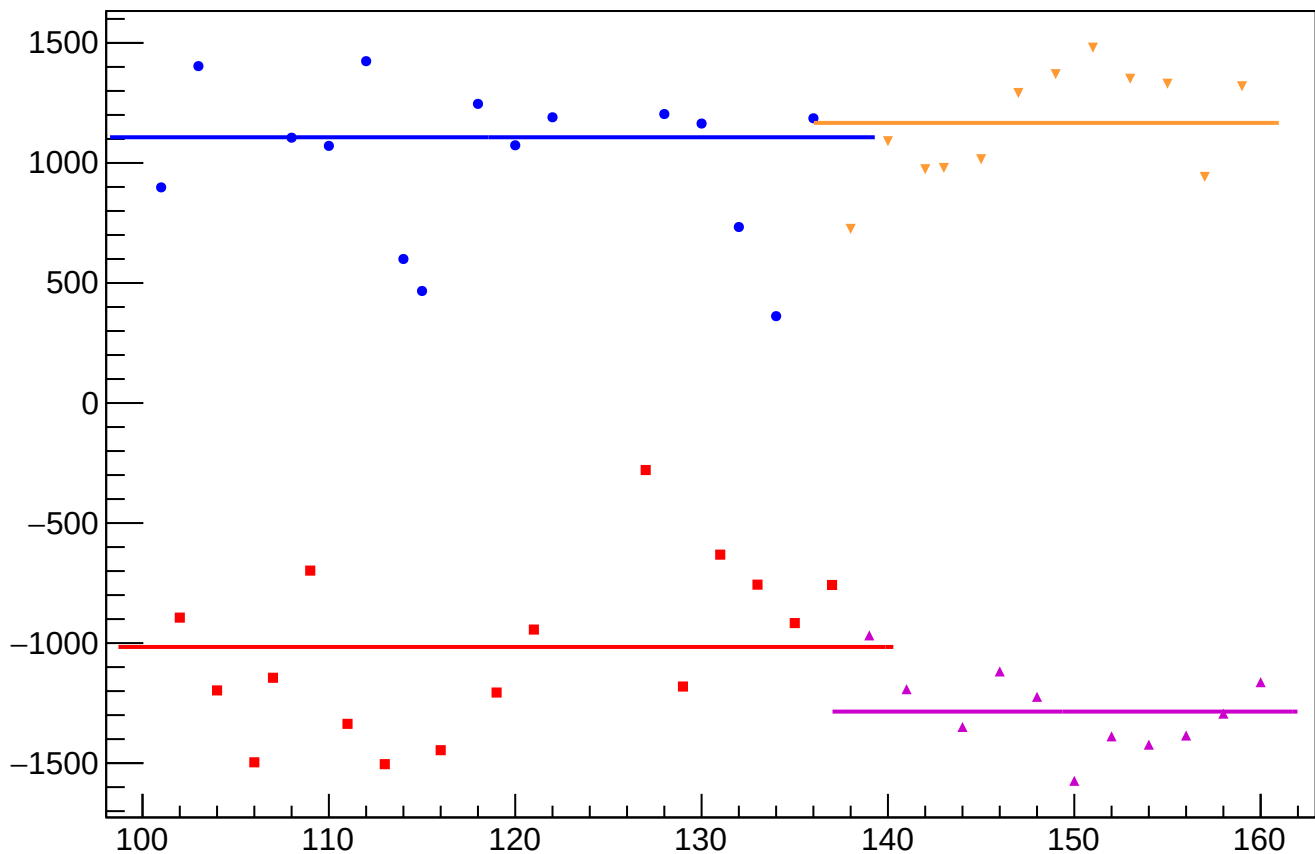
All: -211.749+/-0.000 χ^2/NDF : 97188137344

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



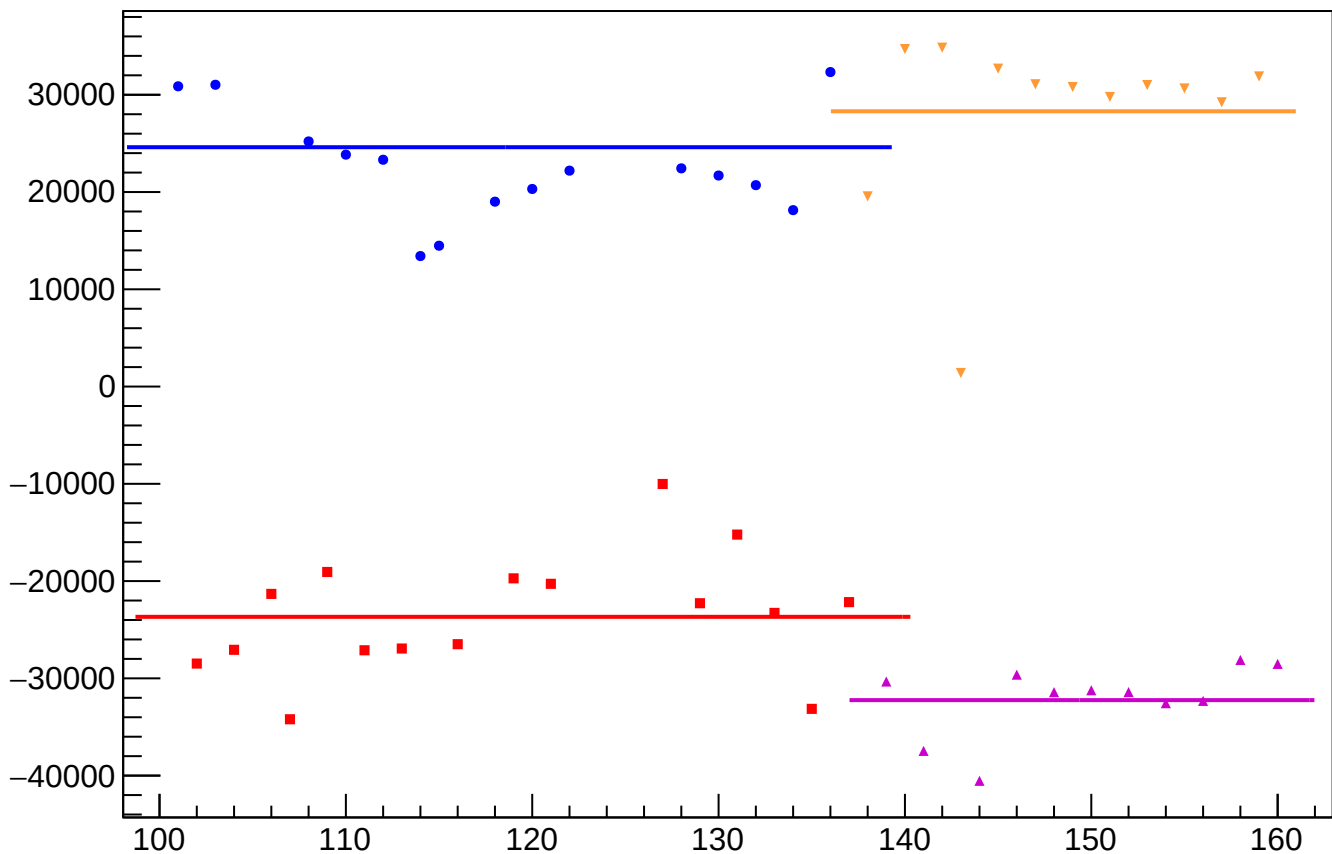
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 413.017+/-0.000 χ^2/NDF : 9379796802385704003508317238748774400.0/11
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -405.371+/-0.000 χ^2/NDF : 8096374045117906535343483577494929408.0/10
 All: -127.041+/-0.000 χ^2/NDF : 35467372325

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



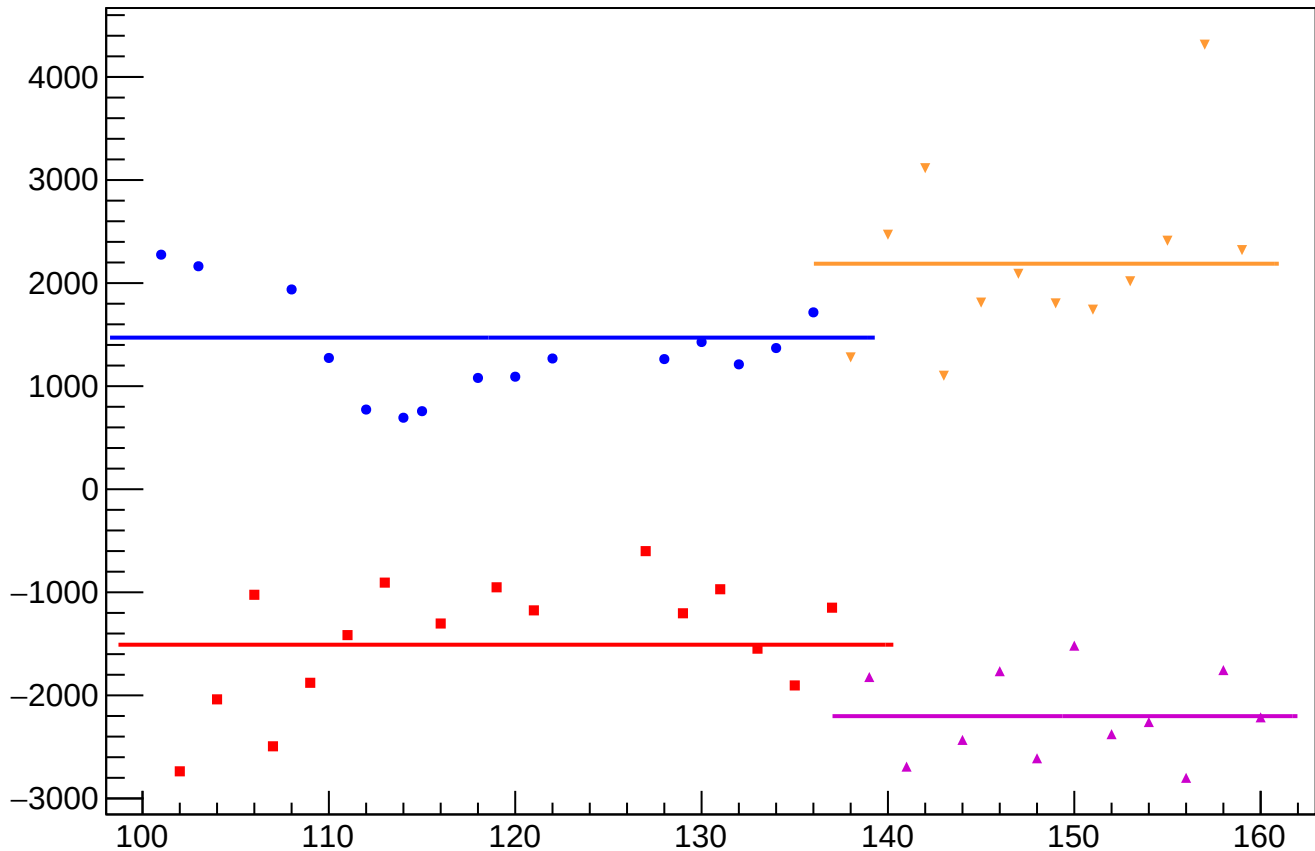
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	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_atl2_coil4_mean vs Slug, Sign Corrected



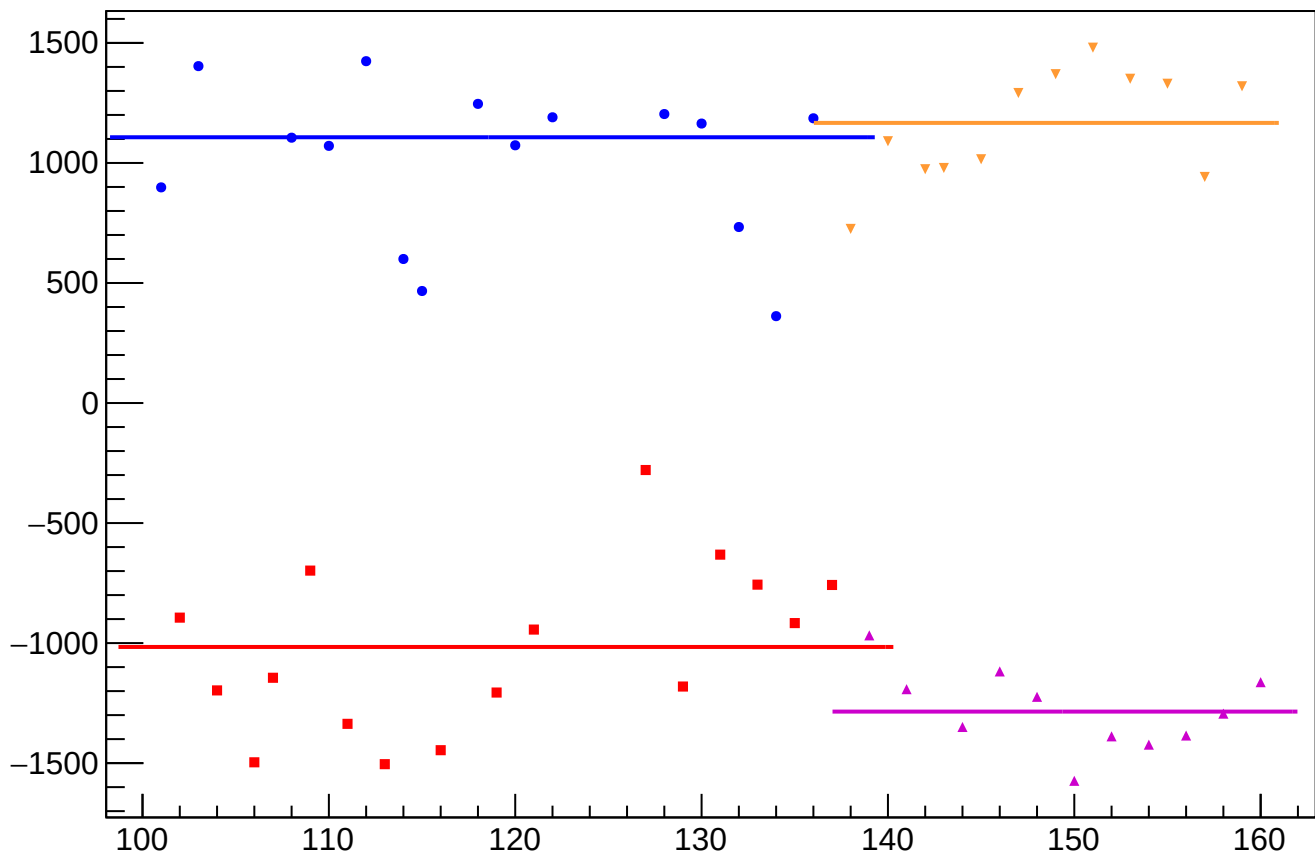
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28302.359+/-0.000 χ^2/NDF : 64743960576526073147852789326823934656512.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1185.856+/-0.000 χ^2/NDF : 2573988051

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



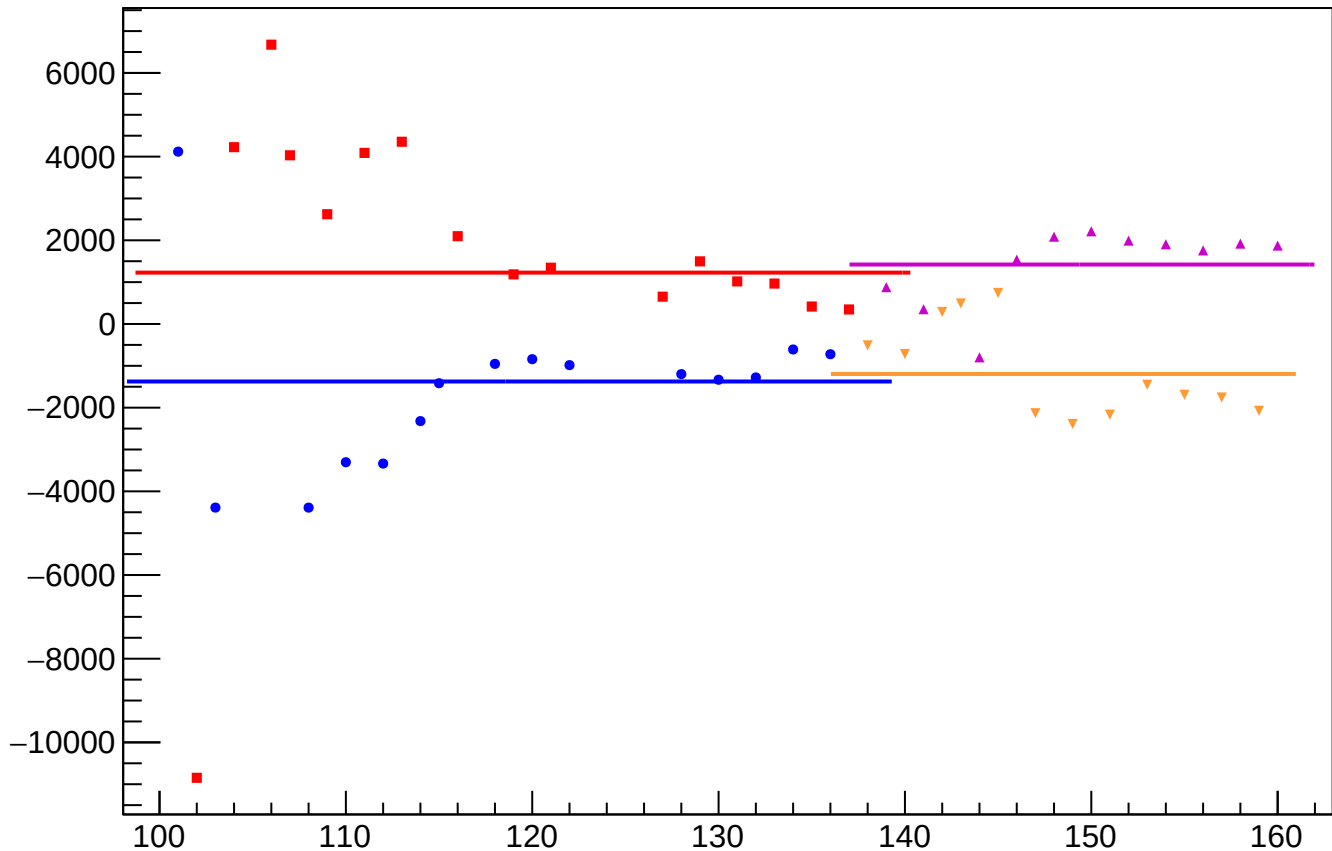
Right In: 1471.095+/-0.000 χ^2/NDF : 139174979420467841073894167956452016128.0/14
 Left Out: 2188.131+/-0.000 χ^2/NDF : 593858516090535186702207521640824176640.0/11
 Right Out: -1508.451+/-0.000 χ^2/NDF : 250085163770425050605763446985715613696.0/15
 Left In: -2201.571+/-0.000 χ^2/NDF : 156929124179690930619030229097962799104.0/10
 All: -27.171+/-0.000 χ^2/NDF : 129146441419

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1194.978+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1012982164343735644721296583058593415168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 120.030+/-0.000 χ^2/NDF : 4904926728039627

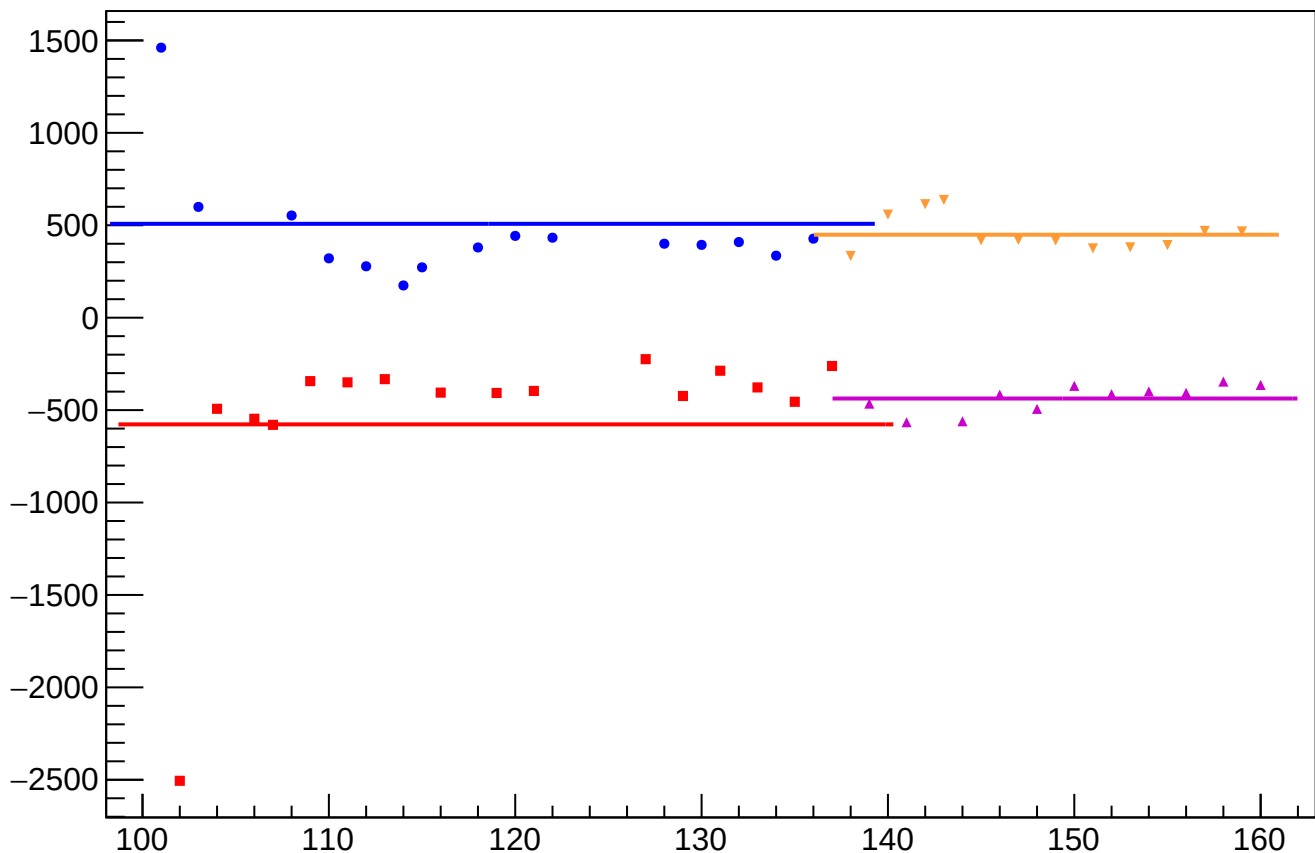
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.811+/-0.000 χ^2/NDF : 143918754957920

All: 46.783+/-0.000 χ^2/NDF : 2134436142325

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 448.905+/-0.000

χ^2/NDF : 6972444969041725929744111494148128768.0/11

Right Out: -577.250+/-0.000

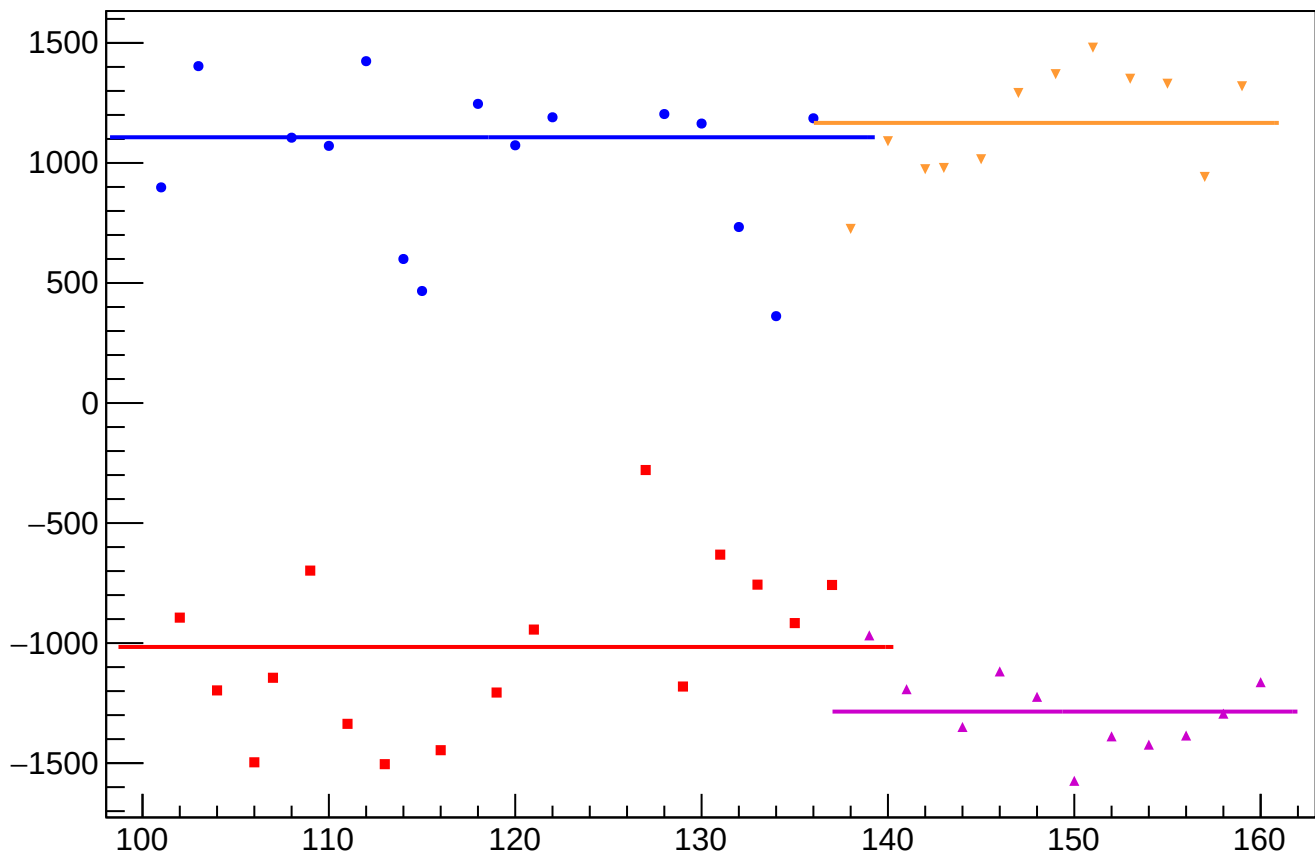
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

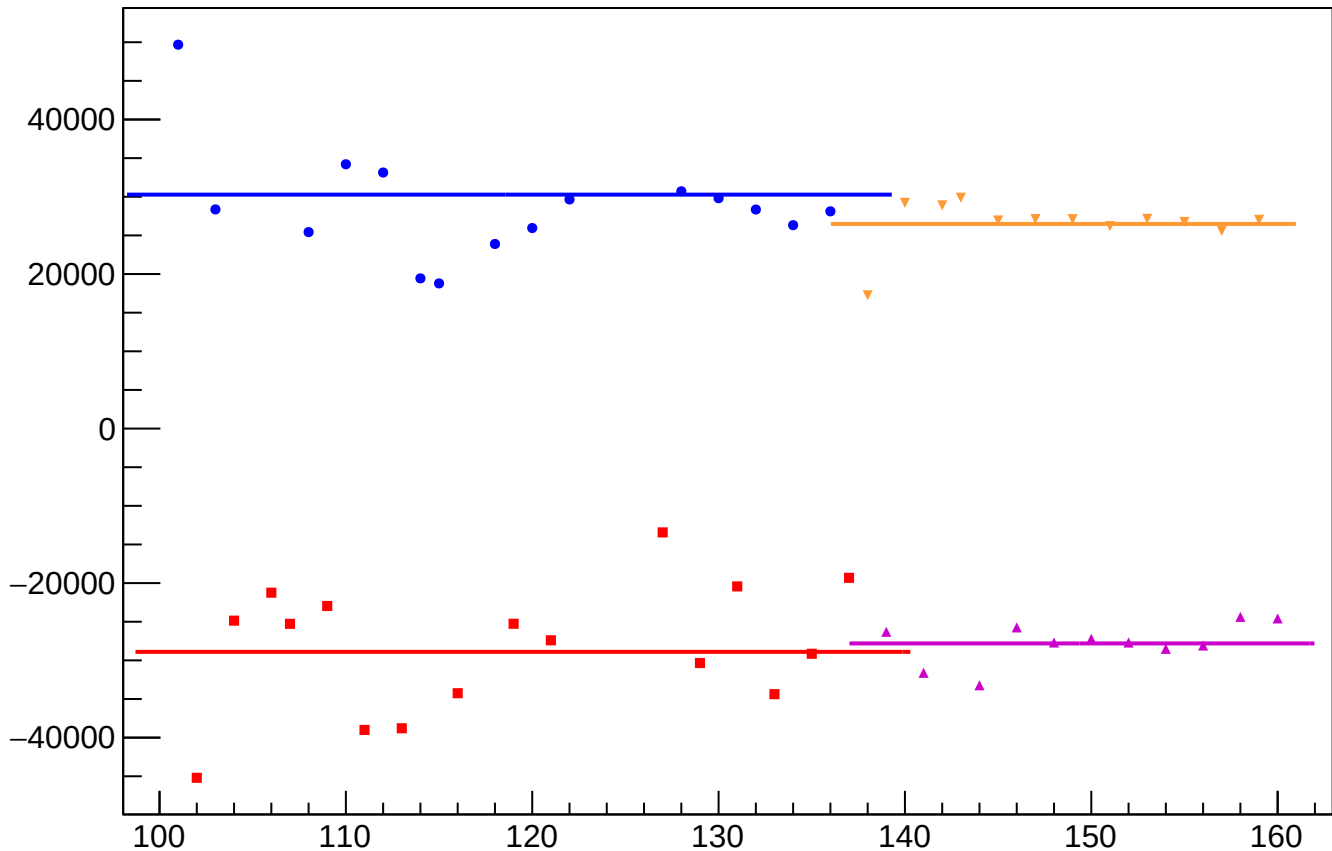
All: -15.611+/-0.000 χ^2/NDF : 106701634148

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_atr2_coil4_mean vs Slug, Sign Corrected



Right In: 30277.649+/-0.000

χ^2/NDF : 30975974641524142453090022540760519278592.0/14

Left Out: 26486.725+/-0.000

χ^2/NDF : 8520993483340987429131750717035884052480.0/11

Right Out: -28896.318+/-0.000

χ^2/NDF : 46969504058010359146250560228409714147328.0/15

Left In: -27807.237+/-0.000

χ^2/NDF : 6193058620219899678835139815803642183680.0/10

Left: -807.954+/-0.000 χ^2/NDF : 136920382018106

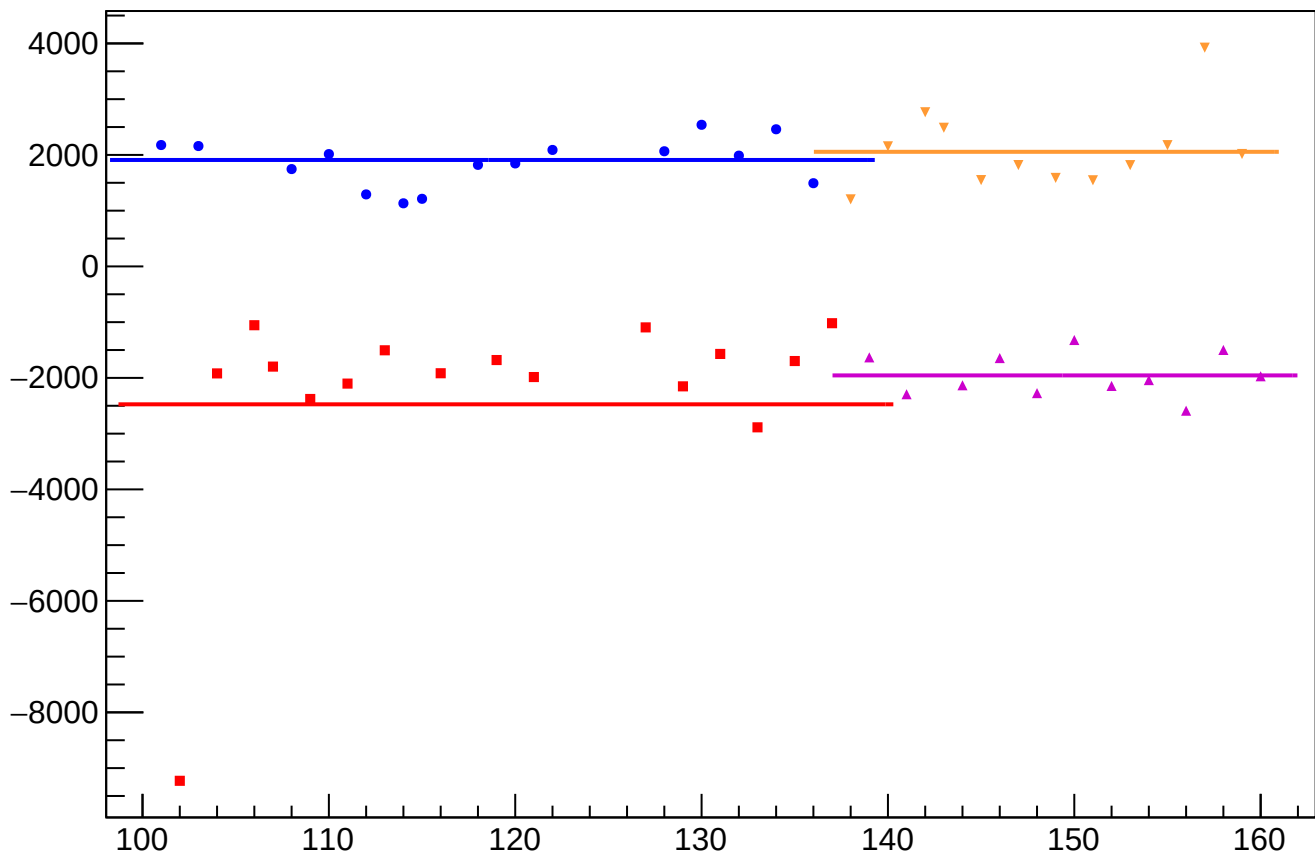
Right: 285.980+/-0.000 χ^2/NDF : 122974265906167

In: -3842.144+/-0.000 χ^2/NDF : 132338595511608

Out: 3121.457+/-0.000 χ^2/NDF : 123824278408227

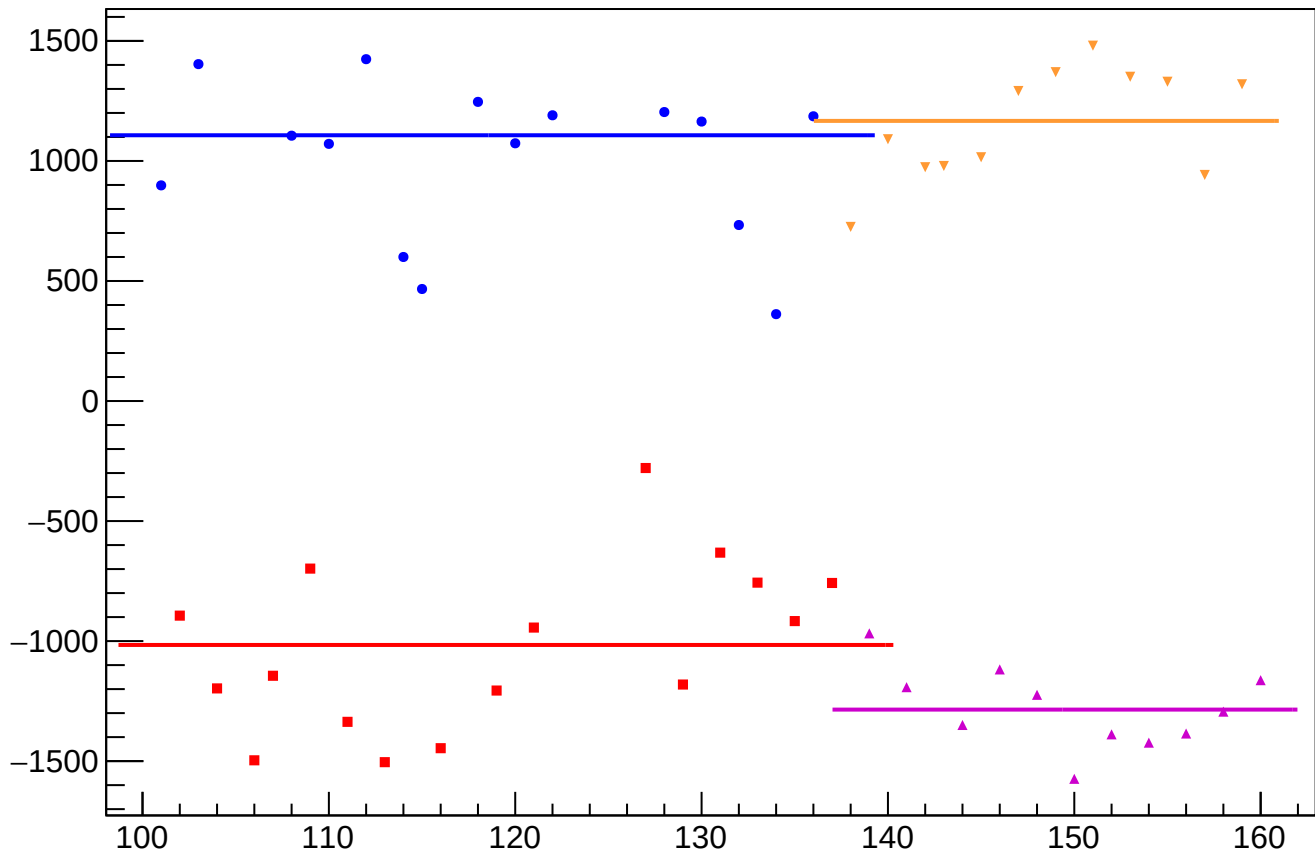
All: -351.512+/-0.000 χ^2/NDF : 25998642244

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



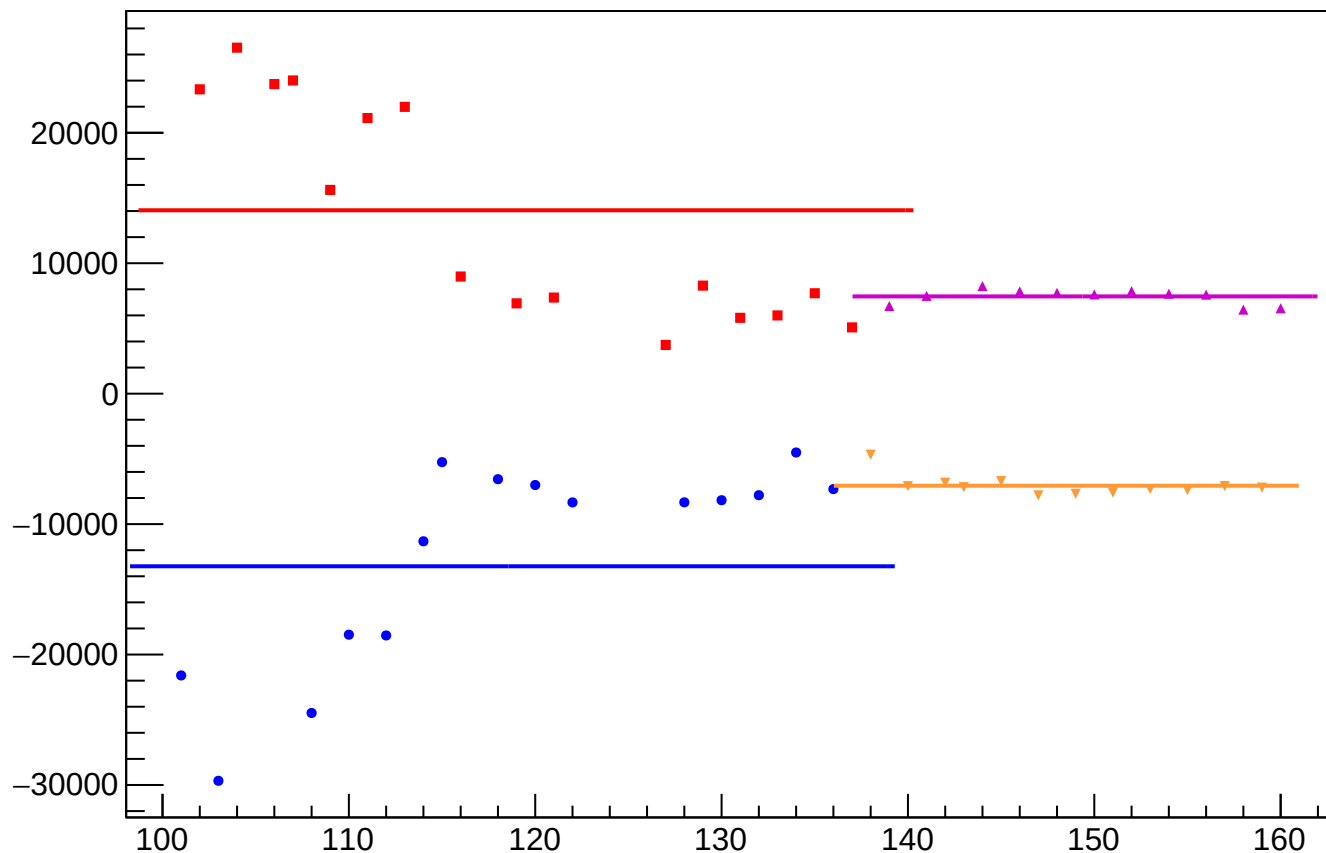
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2055.788+/-0.000 χ^2/NDF : 438010168588723075505721290768963862528.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.368+/-0.000 χ^2/NDF : 17494221106

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



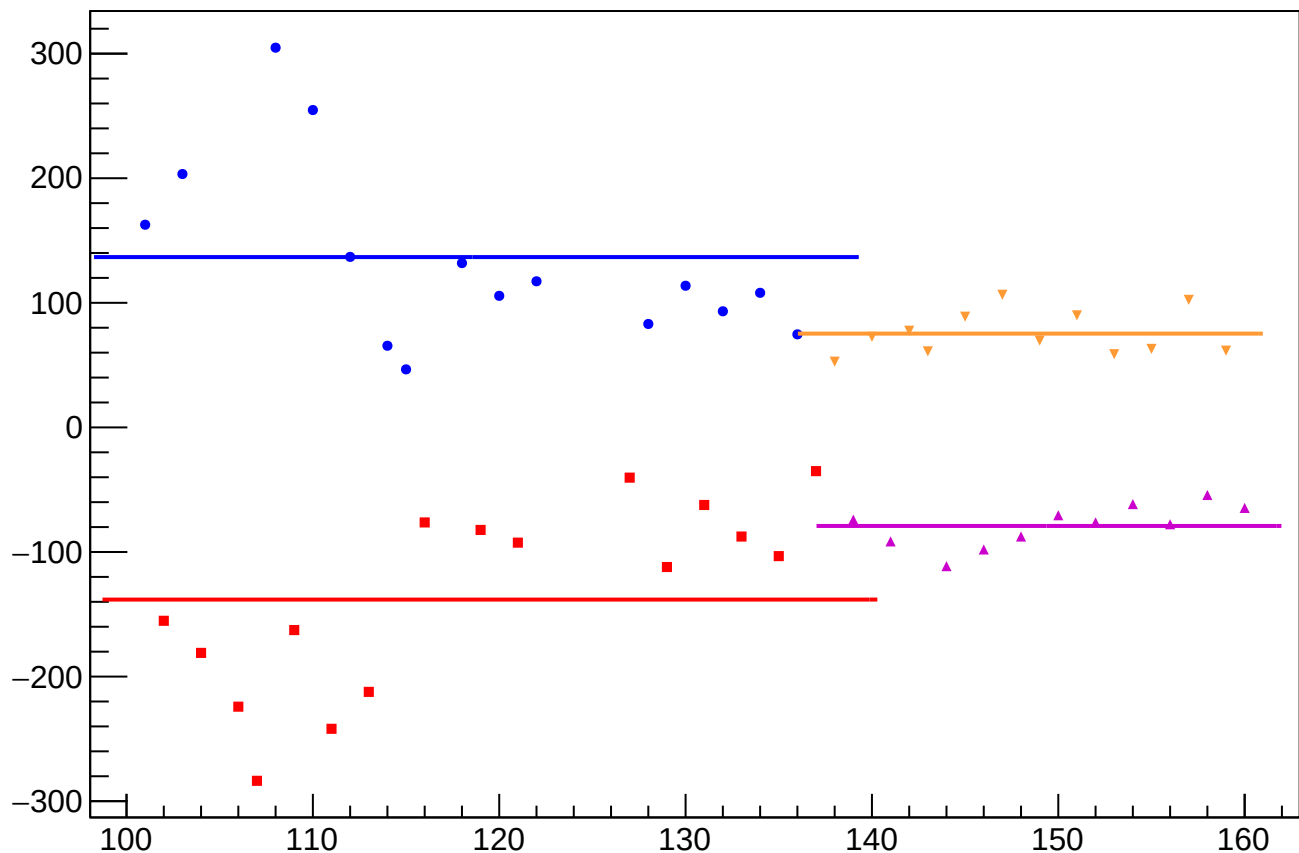
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam1_coil4_mean vs Slug, Sign Corrected



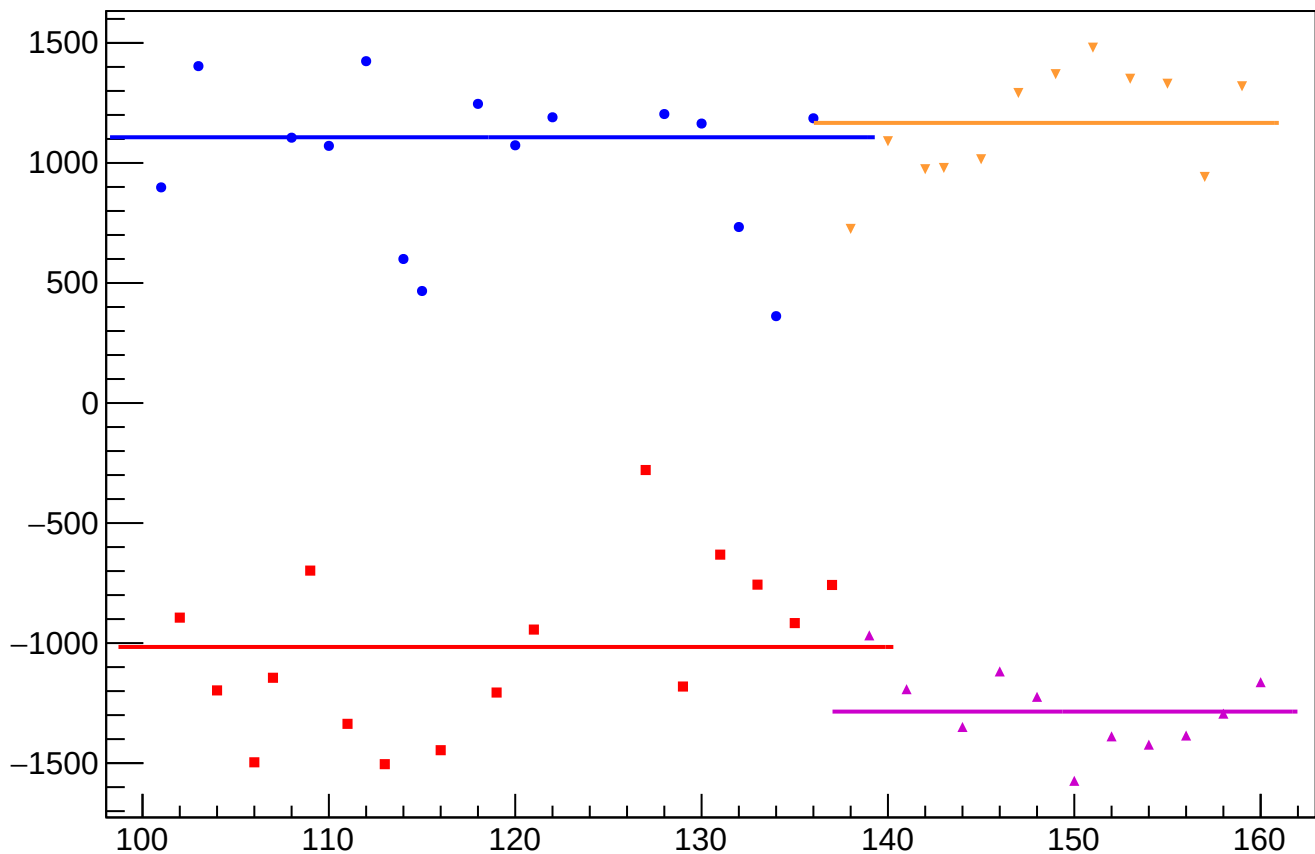
Left: 238.790+/-0.000 χ^2/NDF : 9764033800523105
 Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 Left Out: -7057.509+/-0.000 χ^2/NDF : 567022768290026836186795118569021505536.0/11
 In: -1080.099+/-0.000 χ^2/NDF : 204729341611961
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Out: 1851.692+/-0.000 χ^2/NDF : 217018548162785
 Left In: 7456.124+/-0.000 χ^2/NDF : 284554324589778558842129447316923351040.0/10
 All: 389.515+/-0.000 χ^2/NDF : 428525321735

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



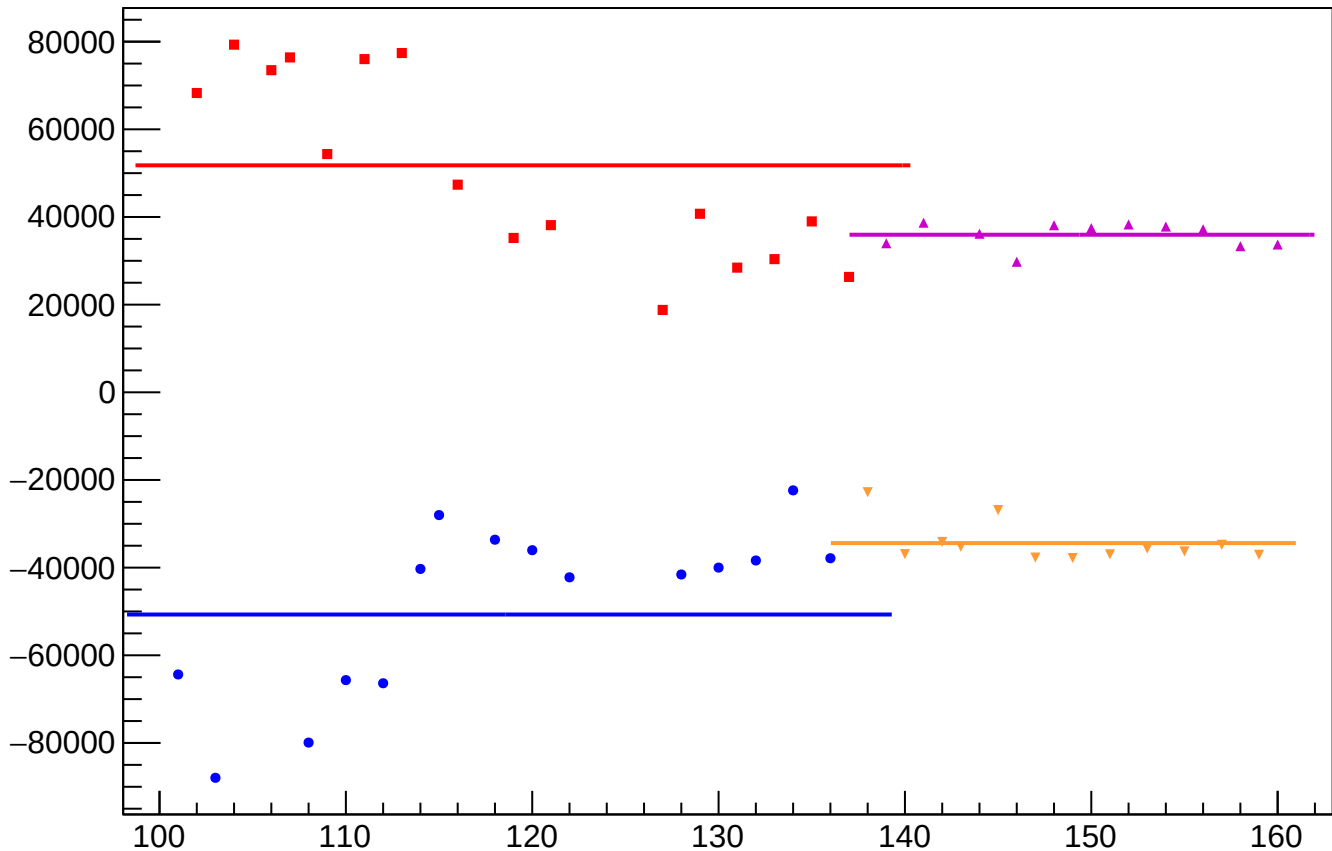
Right In: 136.711+/-0.000 χ^2/NDF : 2687065030885227126291764267456659456.0/14
 Left Out: 75.280+/-0.000 χ^2/NDF : 271565230291715258223184233837363200.0/11
 Right Out: -138.179+/-0.000 χ^2/NDF : 3230883352878636334641613561898467328.0/15
 Left In: -79.096+/-0.000 χ^2/NDF : 243975342218114768326270780809674752.0/10
 All: -2.448+/-0.000 χ^2/NDF : 4224006616846

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2/NDF : 443493791328

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -50695.424+/-0.000

Left Out: -34404.656+/-0.000

Right Out: 51783.912+/-0.000

Left In: 35949.660+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 18820007226442898256054839449855820038144.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 6535777806152232441815832130596699635712.0/10

Left: 963.890+/-0.000 χ^2/NDF : 2299689310411856

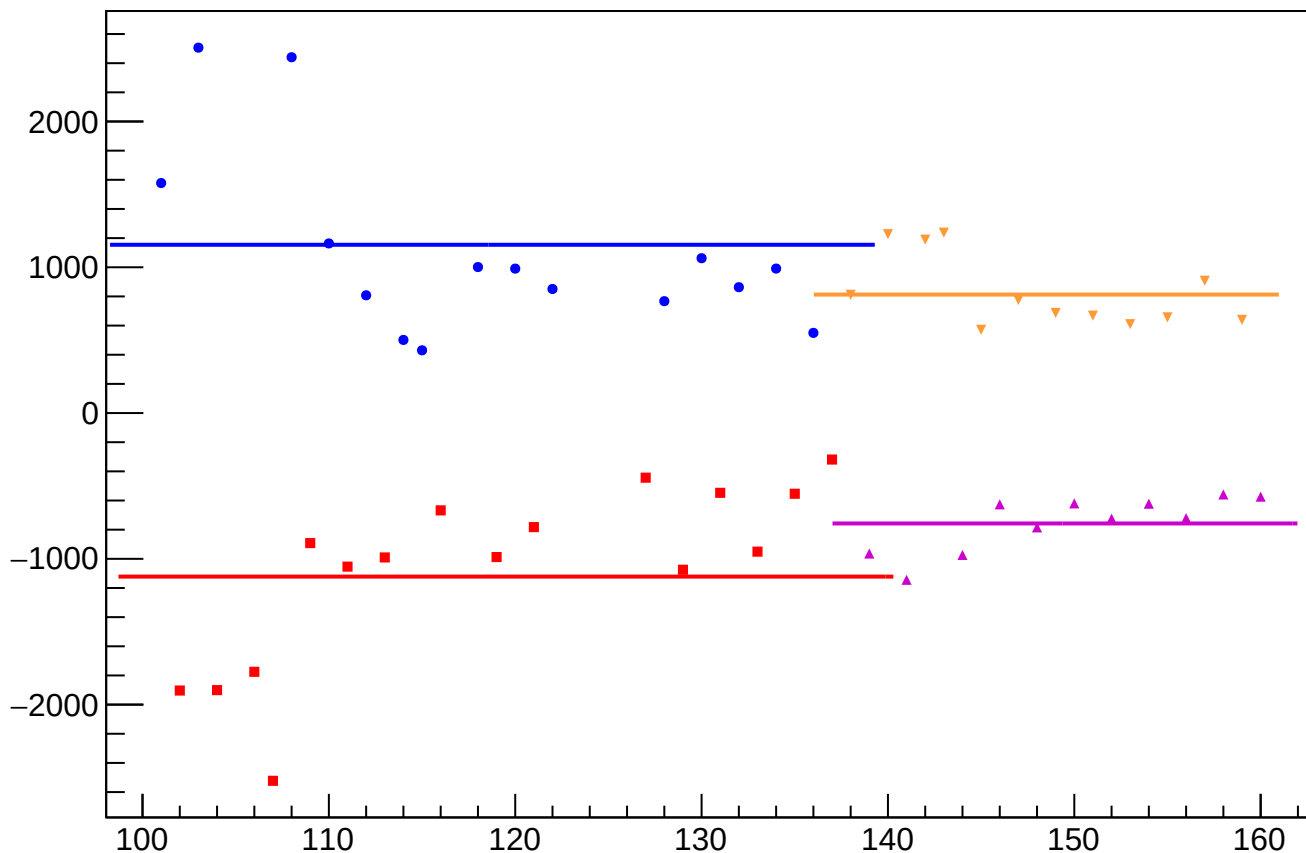
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1956.998+/-0.000 χ^2/NDF : 316504805338211

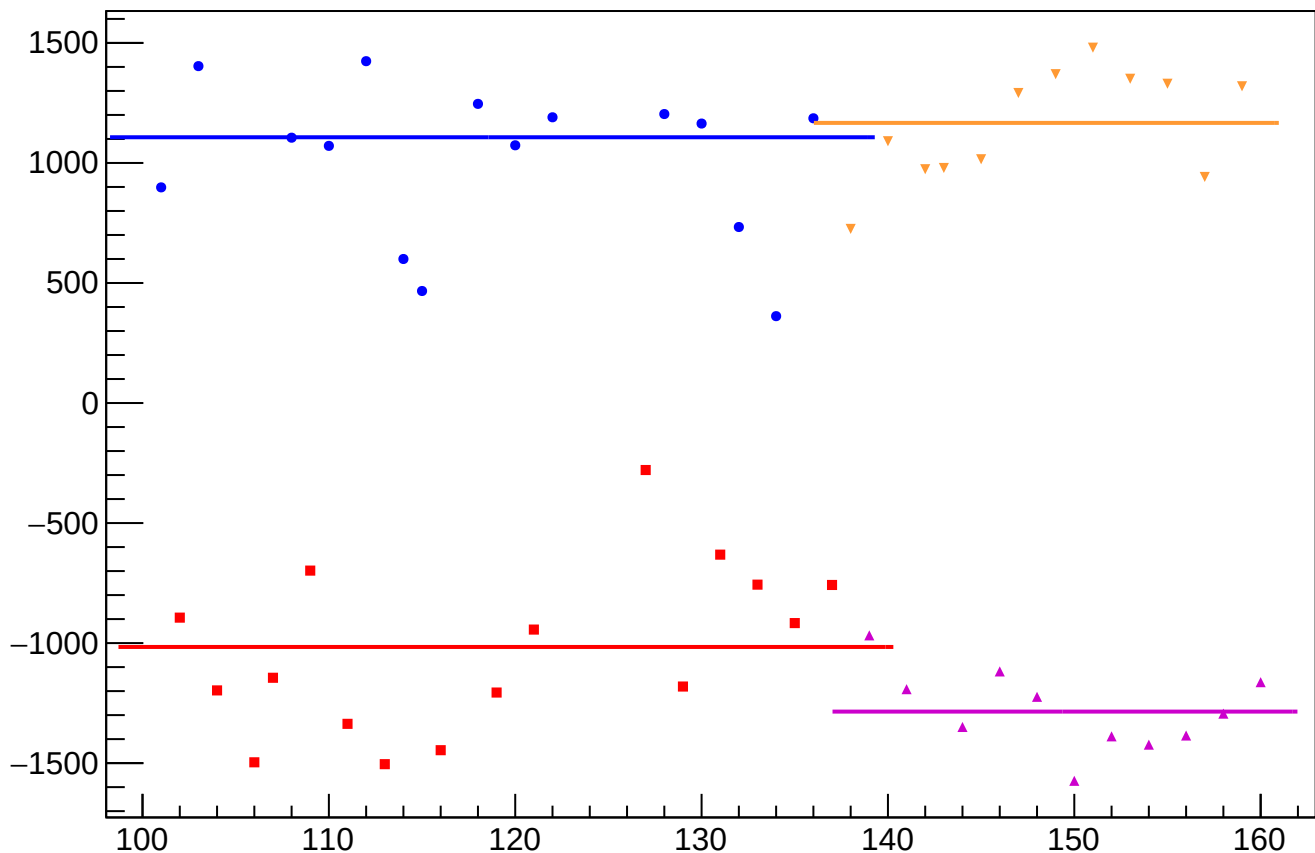
All: 1081.220+/-0.000 χ^2/NDF : 6262669489

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



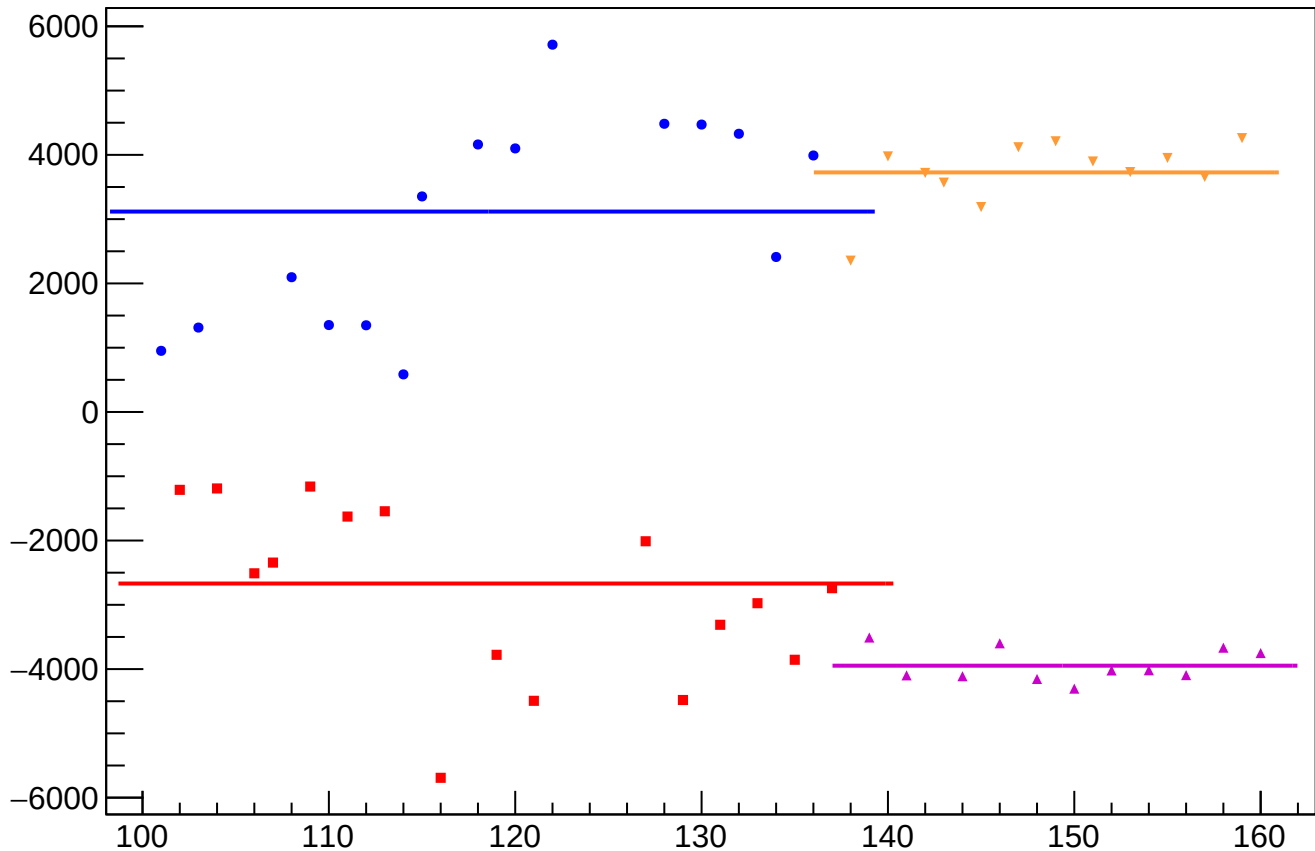
Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Left Out: 812.768+/-0.000 χ^2/NDF : 48869150953187834312923483015749828608.0/11
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 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

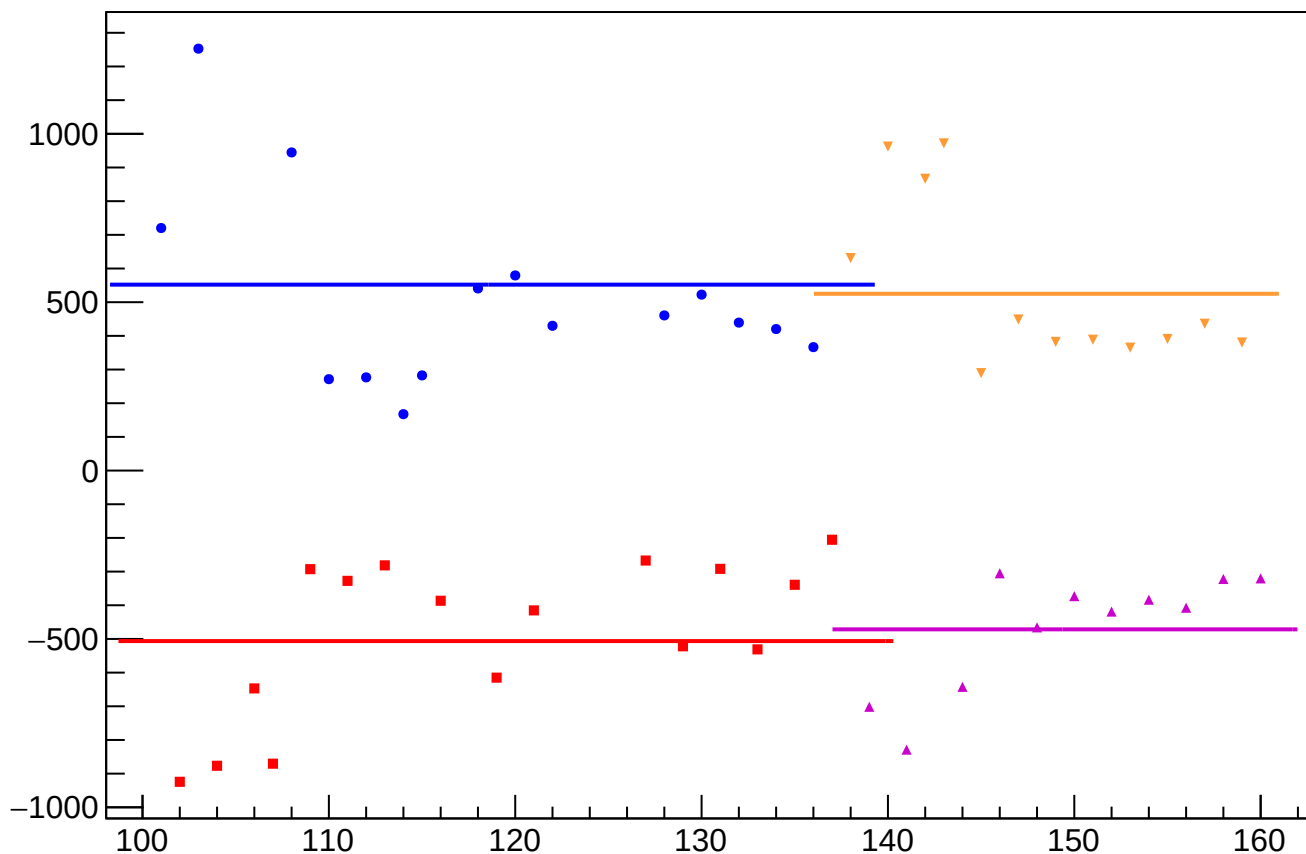
χ^2/NDF : 1136406286131098596000054422131257114624.0/15

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 $\pm$ 0.000 χ^2 /NDF: 50739041741159119848523988236001869824.0/14

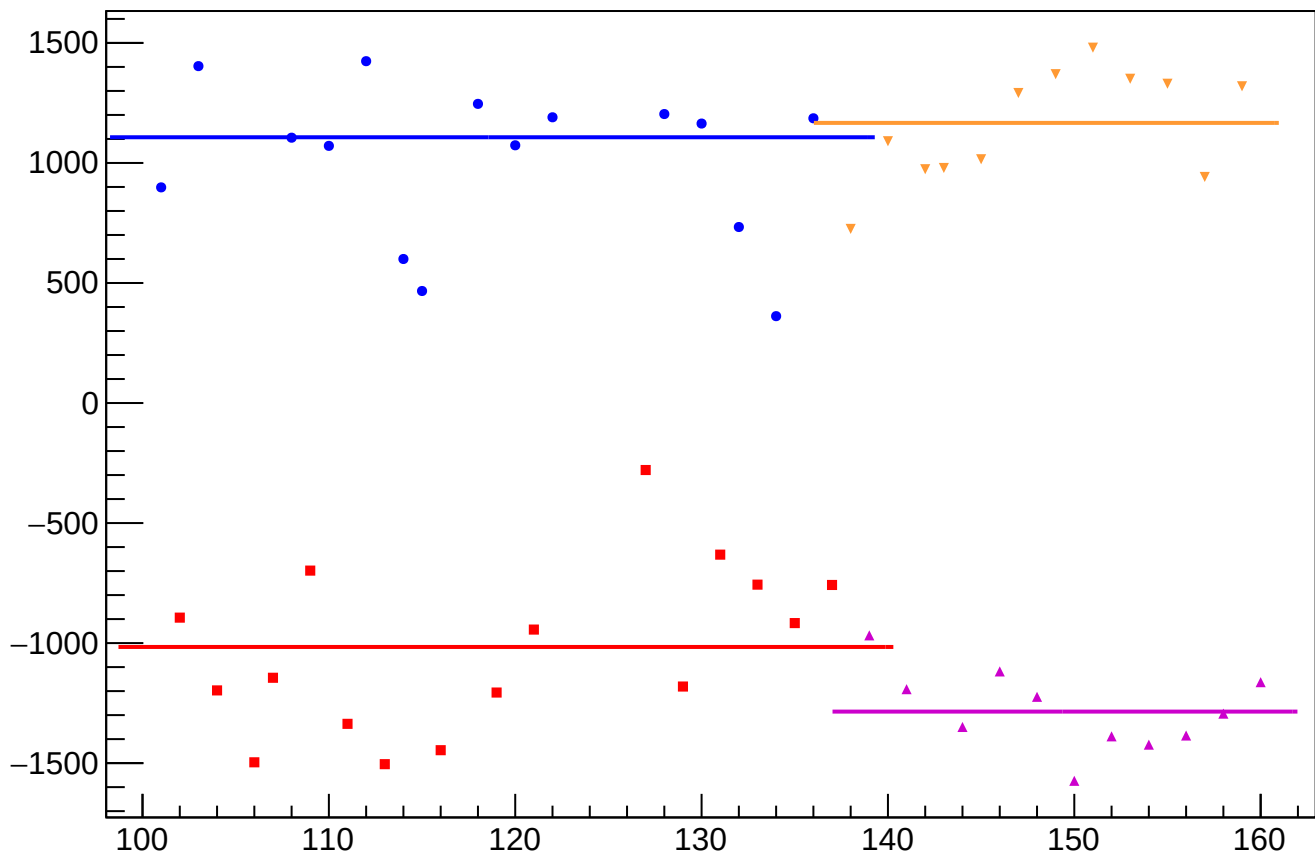
Left Out: 524.984 $\pm$ 0.000 χ^2 /NDF: 49120612413638370088062361036096798720.0/11

Right Out: -506.345 $\pm$ 0.000 χ^2 /NDF: 37181653297314883501659131806010572800.0/15

Left In: -471.540 $\pm$ 0.000 χ^2 /NDF: 25680884477827715914944205366363160576.0/10

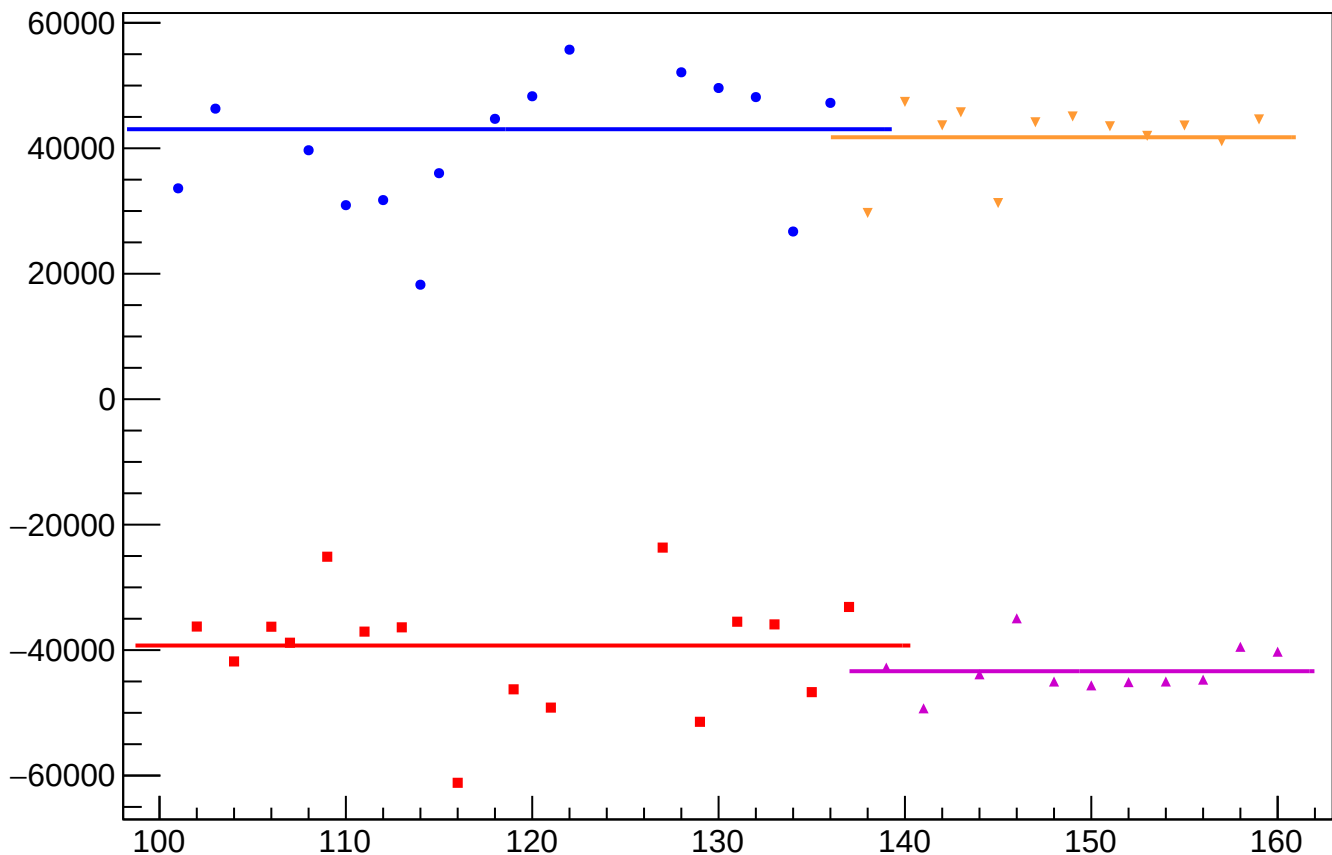
All: 20.520 $\pm$ 0.000 χ^2 /NDF: 9875911626514

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2/NDF : 443493791328

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43039.927+/-0.000

χ^2/NDF : 48397052922561722652666786407552179503104.0/14

Left Out: 41759.238+/-0.000

χ^2/NDF : 26338532629522543185974017898719754584064.0/11

Right Out: -39269.627+/-0.000

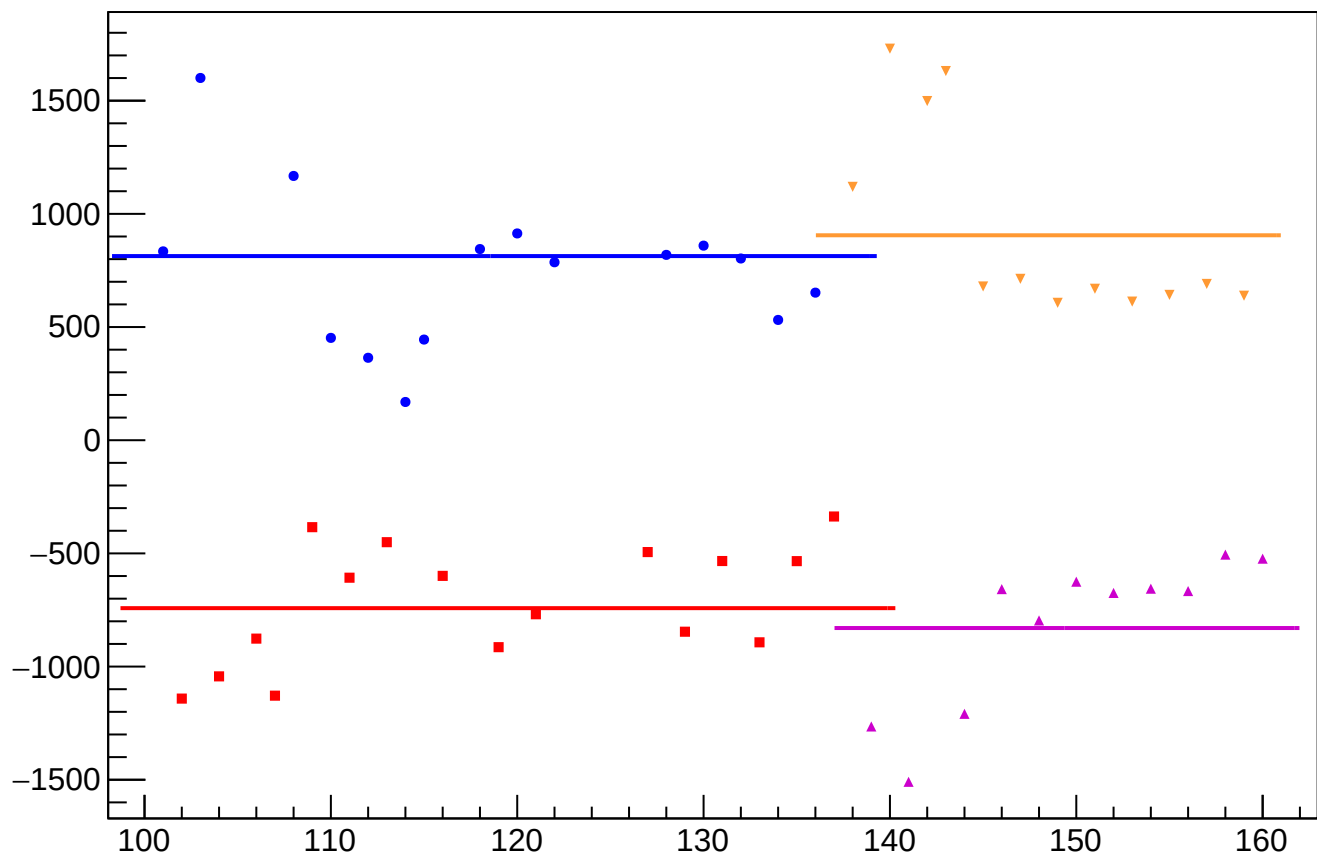
χ^2/NDF : 51873036517757666237545716605051585167360.0/15

Left In: -43364.892+/-0.000

χ^2/NDF : 12209695723681592241000188414954802511872.0/10

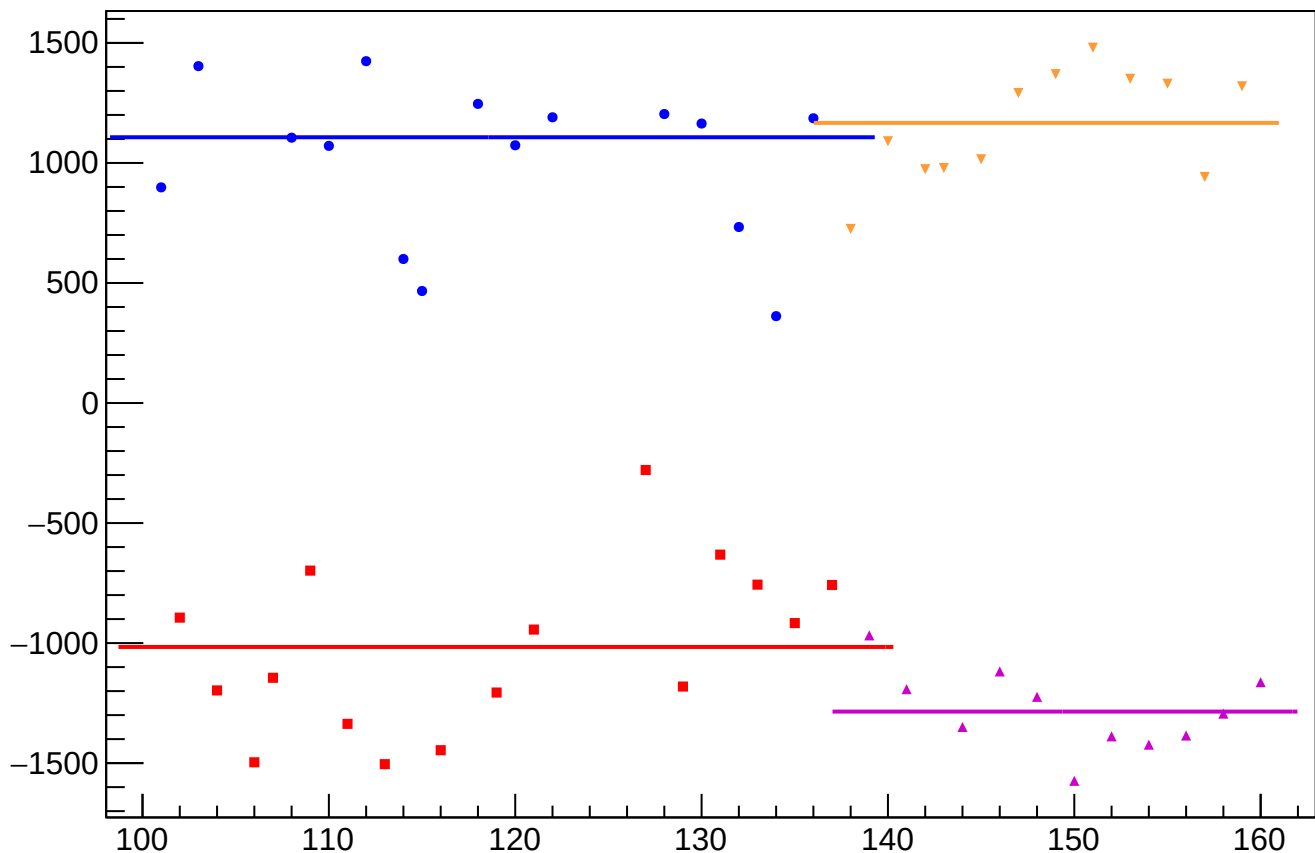
All: -51.092+/-0.000 χ^2/NDF : 570108278214

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



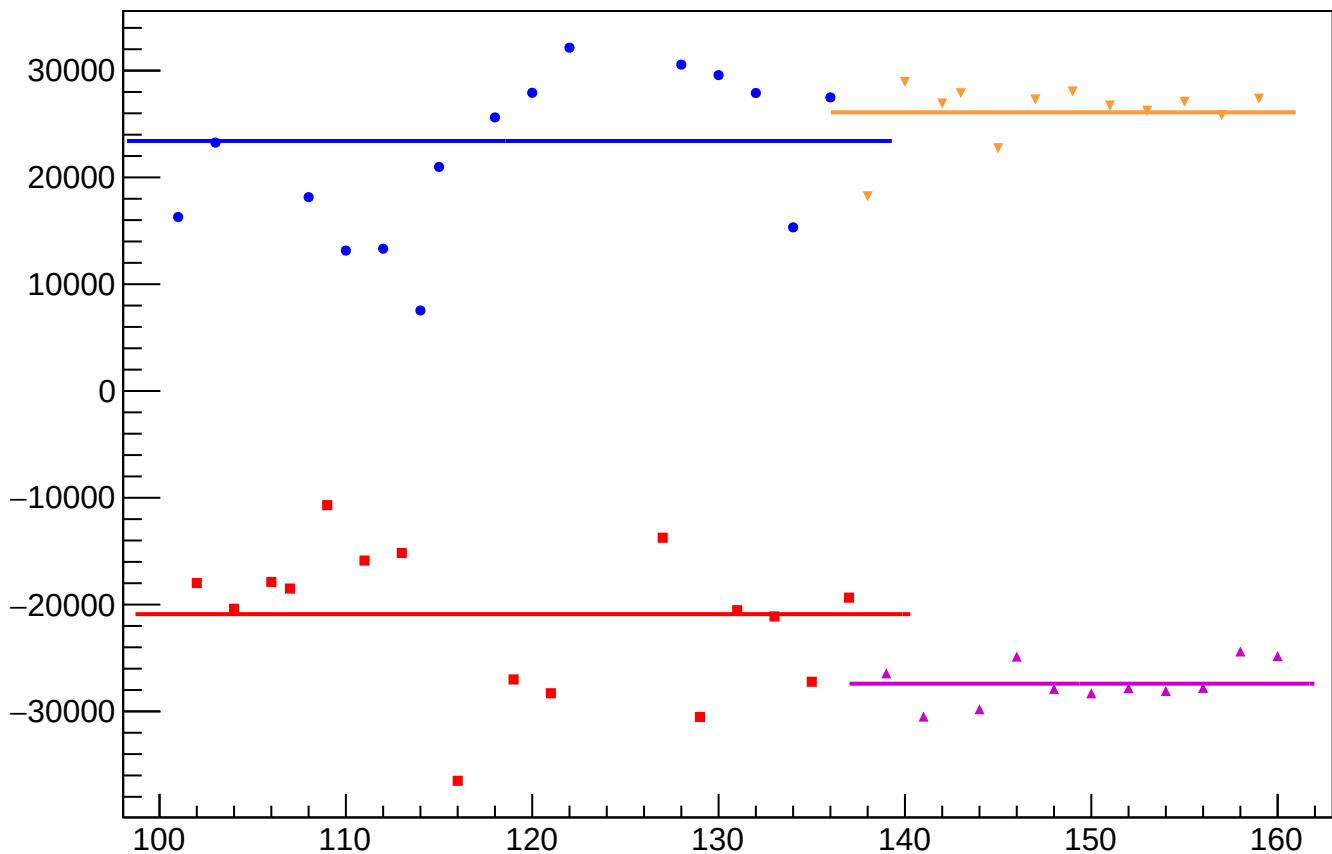
Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Left Out: 905.383+/-0.000 χ^2/NDF : 151600119297269061553878773288042233856.0/11
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Left In: -829.715+/-0.000 χ^2/NDF : 96077836071623048341749512260917657600.0/10
 All: 29.794+/-0.000 χ^2/NDF : 2538038020154

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



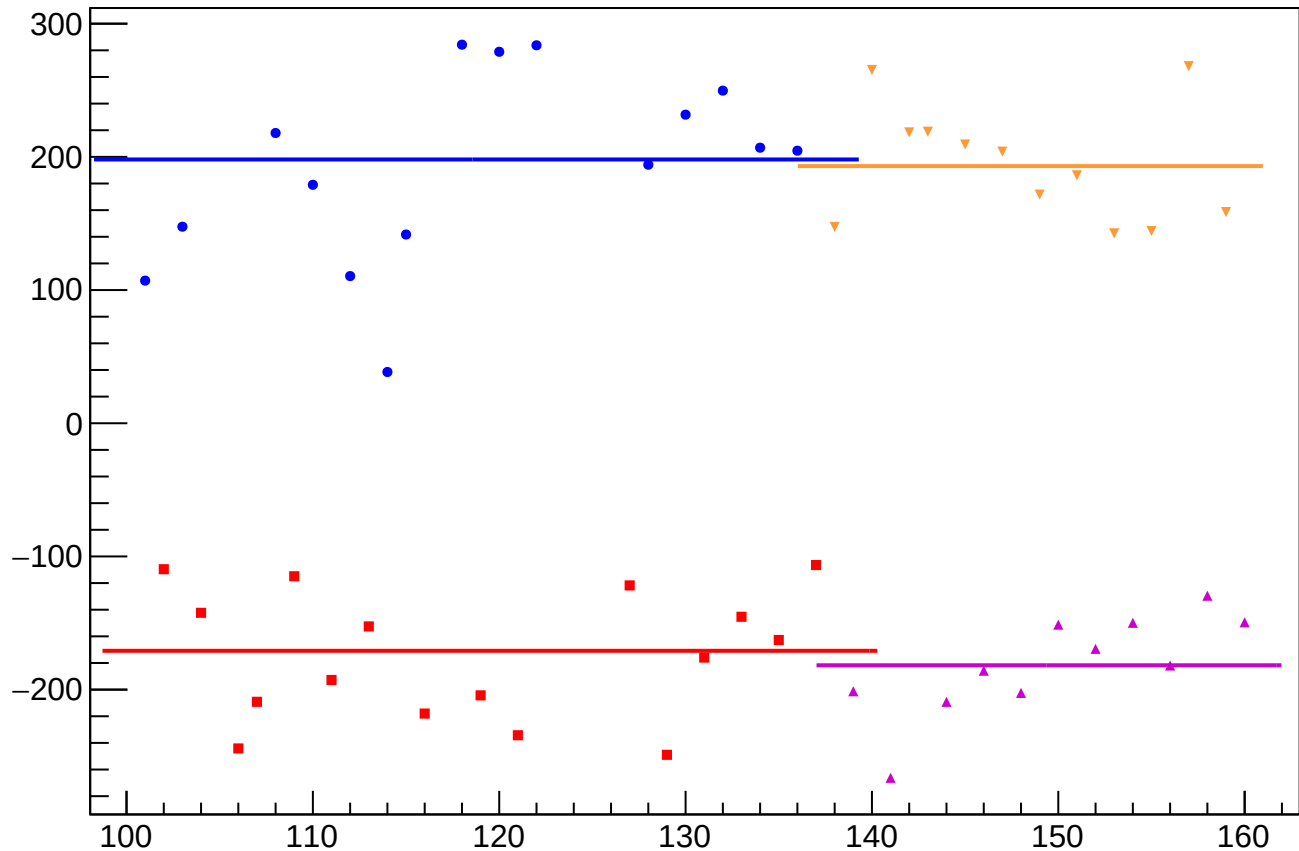
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	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

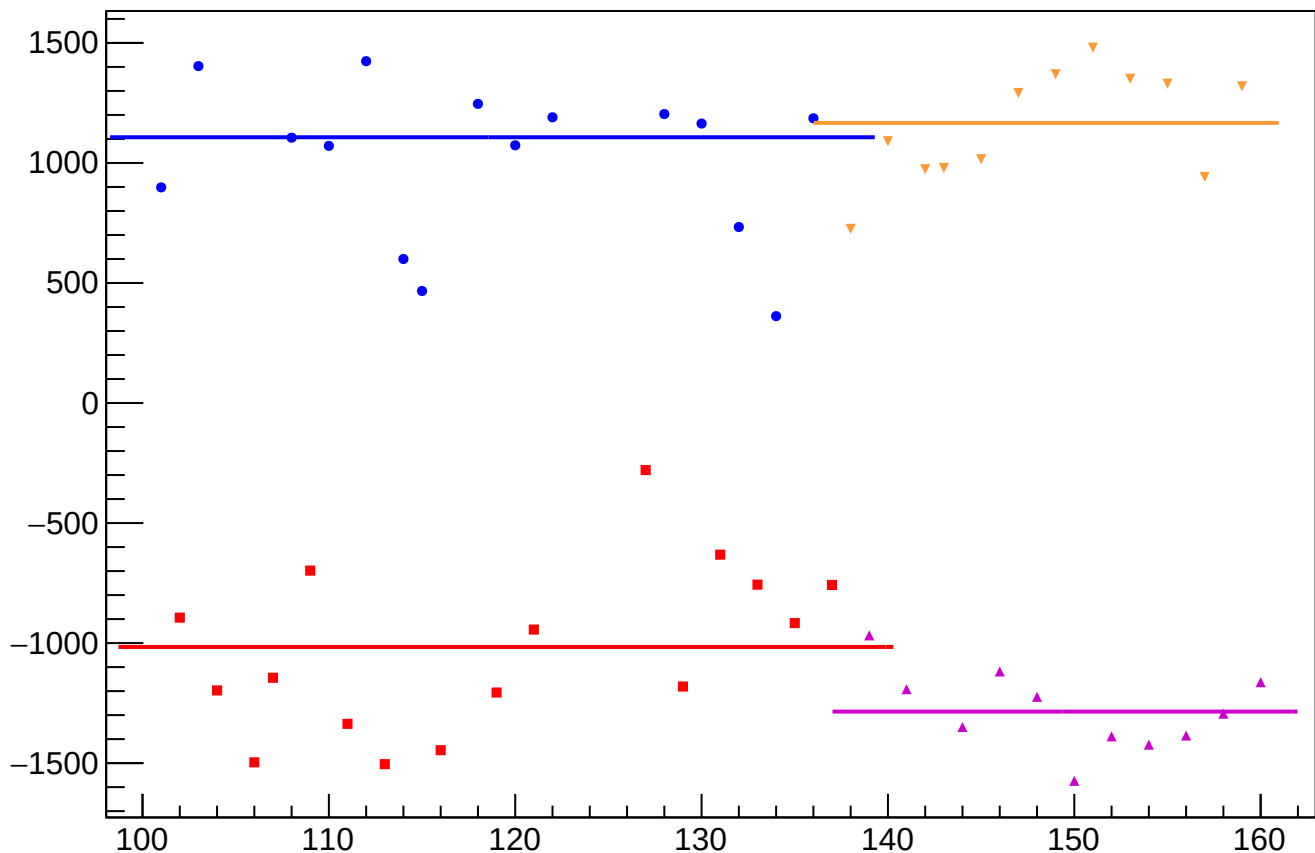
χ^2/NDF : 1418314816915016425155520631536615424.0/15

Left In: -181.711+/-0.000

χ^2/NDF : 1228549704796737698218369408017891328.0/10

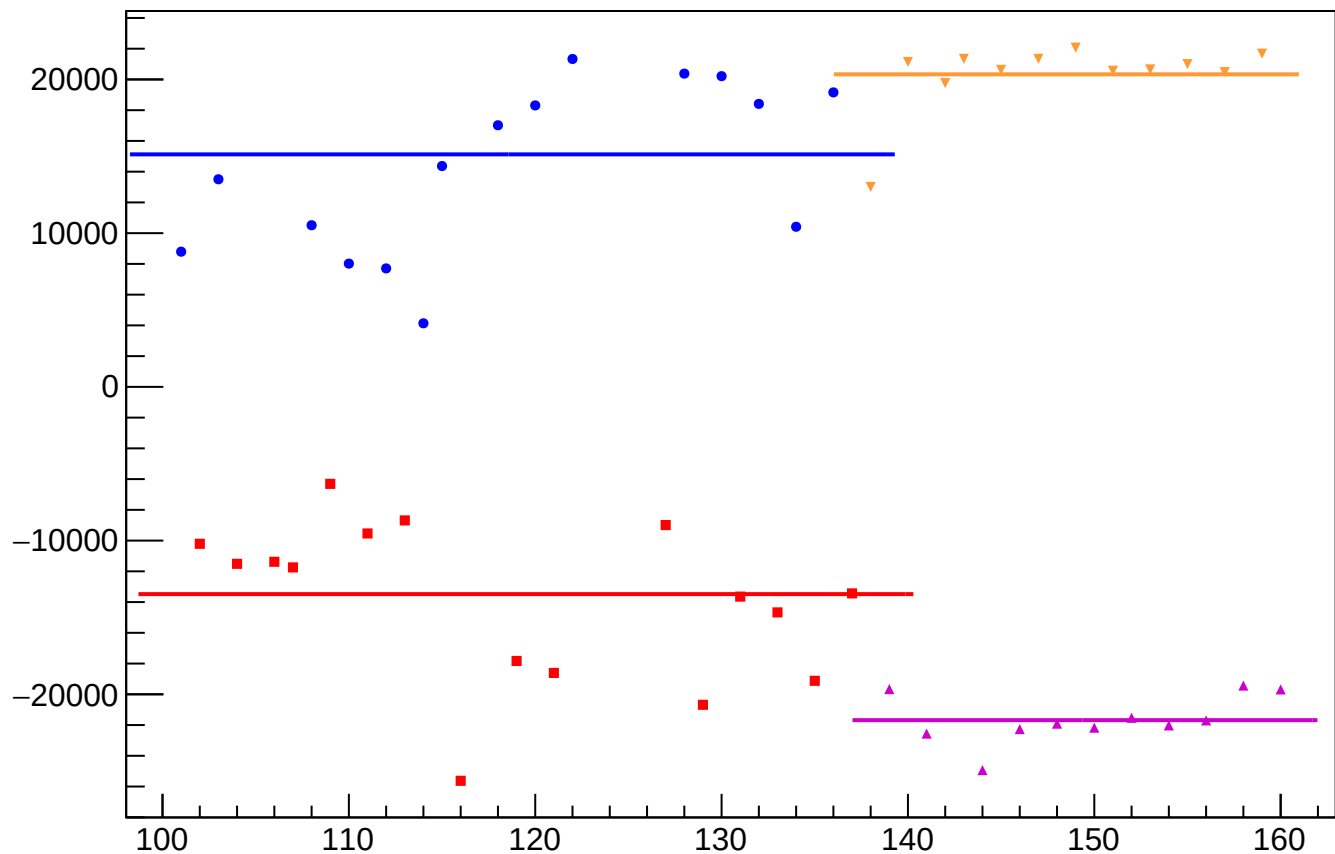
All: 7.342+/-0.000 χ^2/NDF : 11615483338933

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



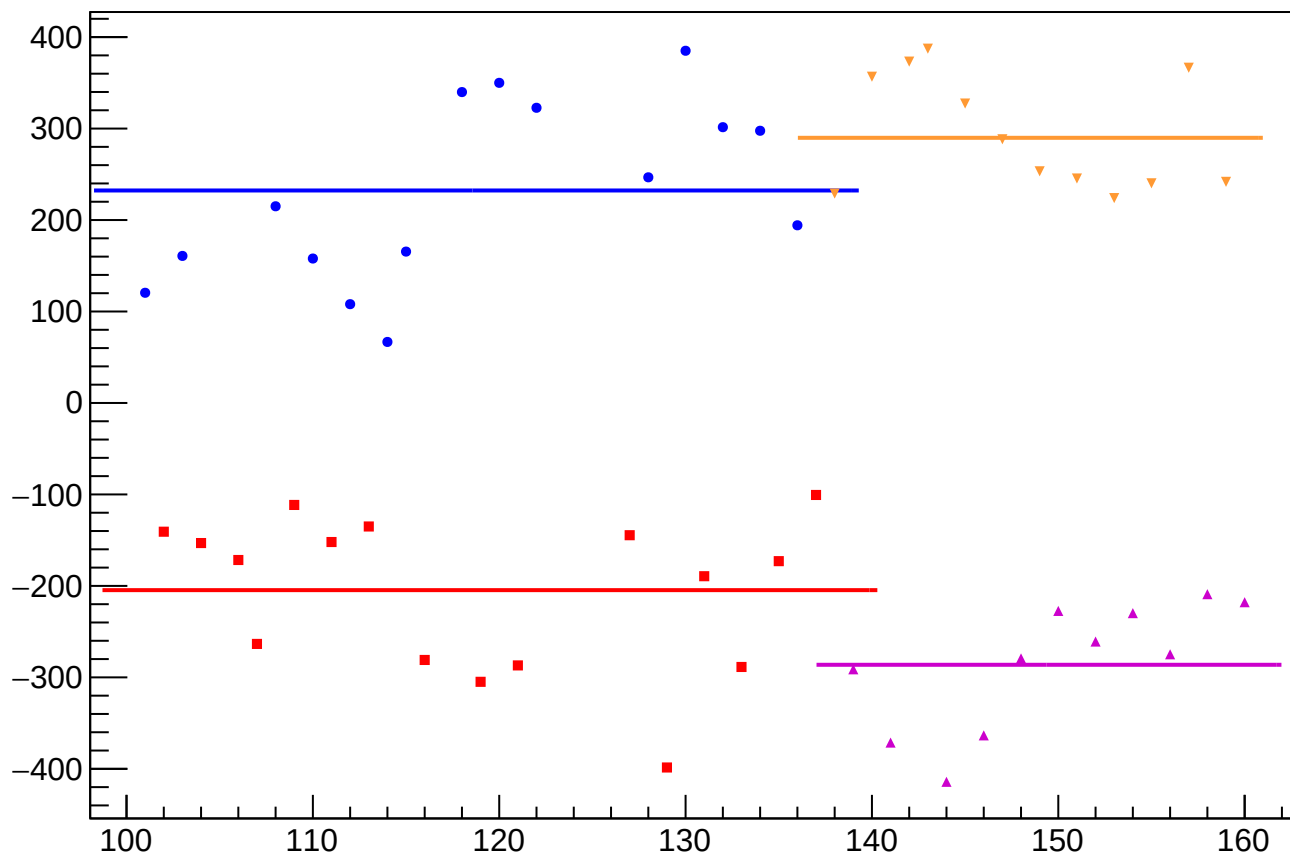
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	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

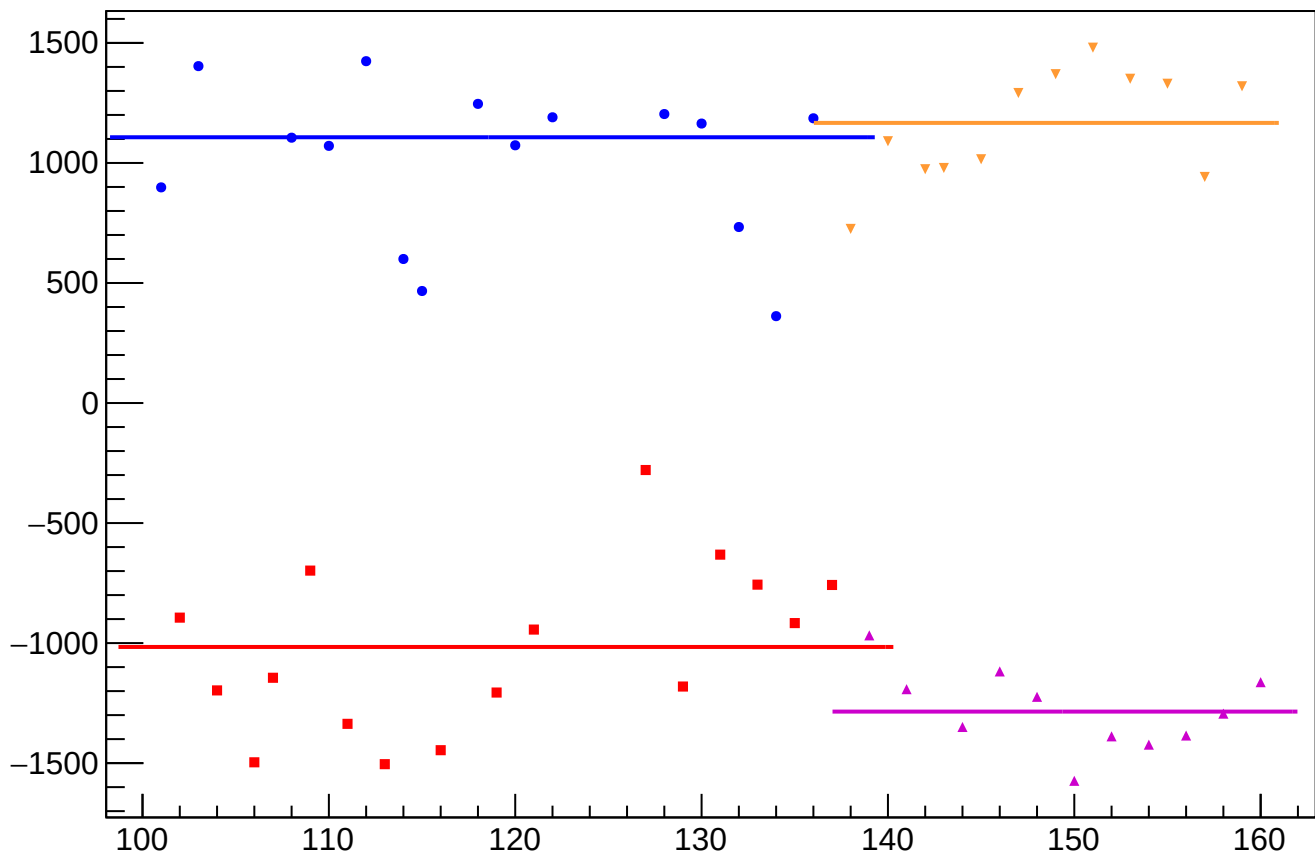
Left Out: 289.897 $\pm$ 0.000 χ^2 /NDF: 3202390993231935504147250998086205440.0/11

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

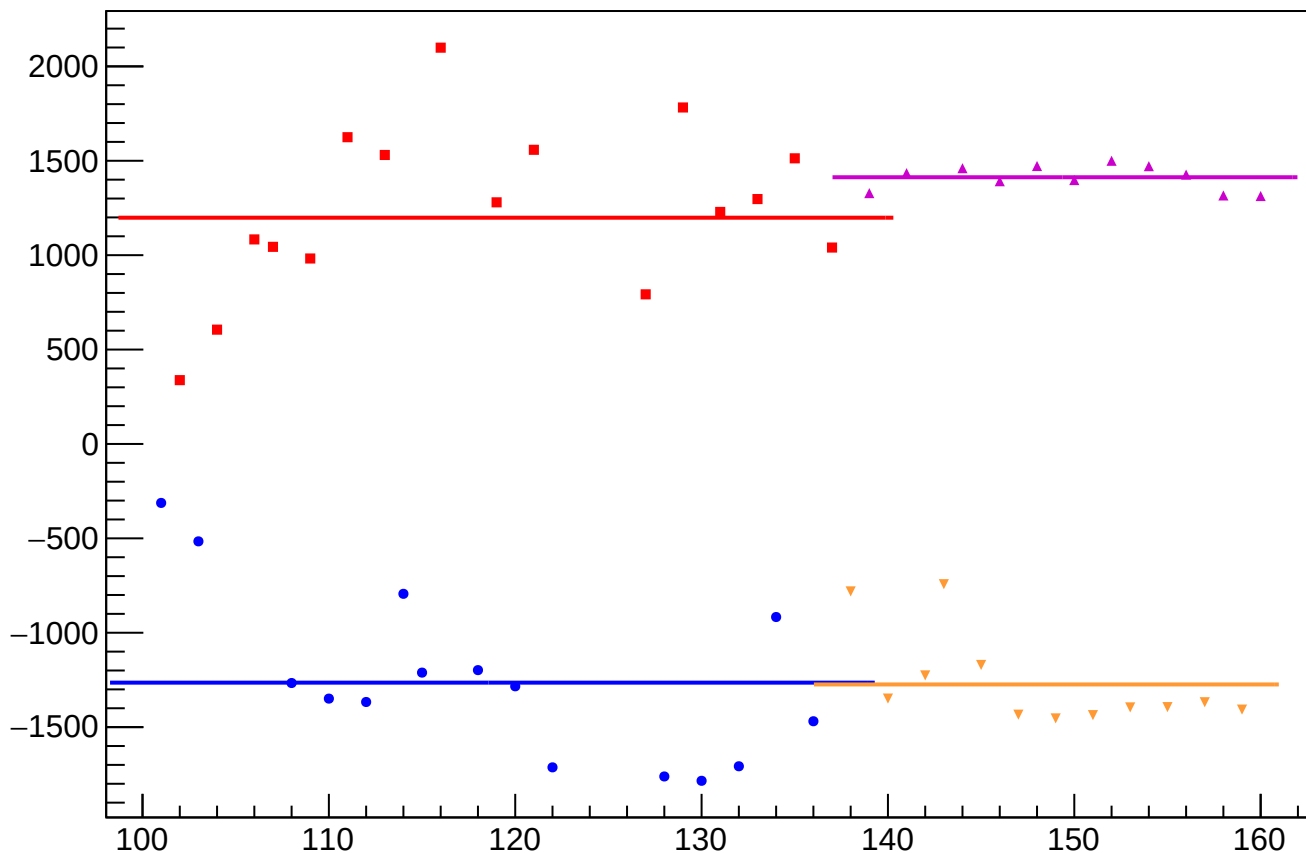
All: 4.677 $\pm$ 0.000 χ^2 /NDF: 23271380693899

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303+/-0.000

Left Out: -1273.912+/-0.000

Right Out: 1198.483+/-0.000

Left In: 1412.771+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 50517219487332482659121972372719009792.0/11

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 3642959557366432228461510163957809152.0/10

Left: 76.739+/-0.000 χ^2/NDF : 33708552711057657

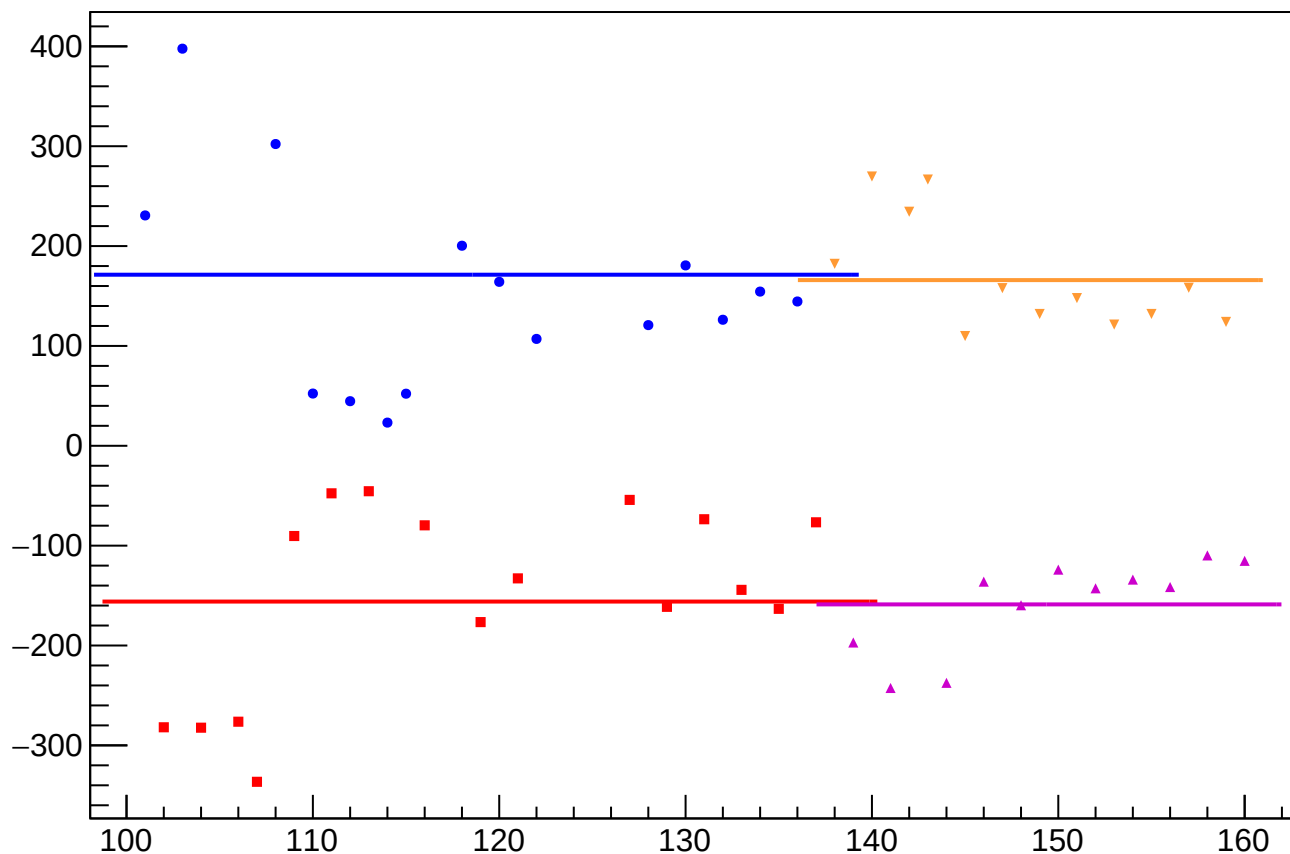
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 308.244+/-0.000 χ^2/NDF : 28760344161485338

Out: -230.846+/-0.000 χ^2/NDF : 253877034127960

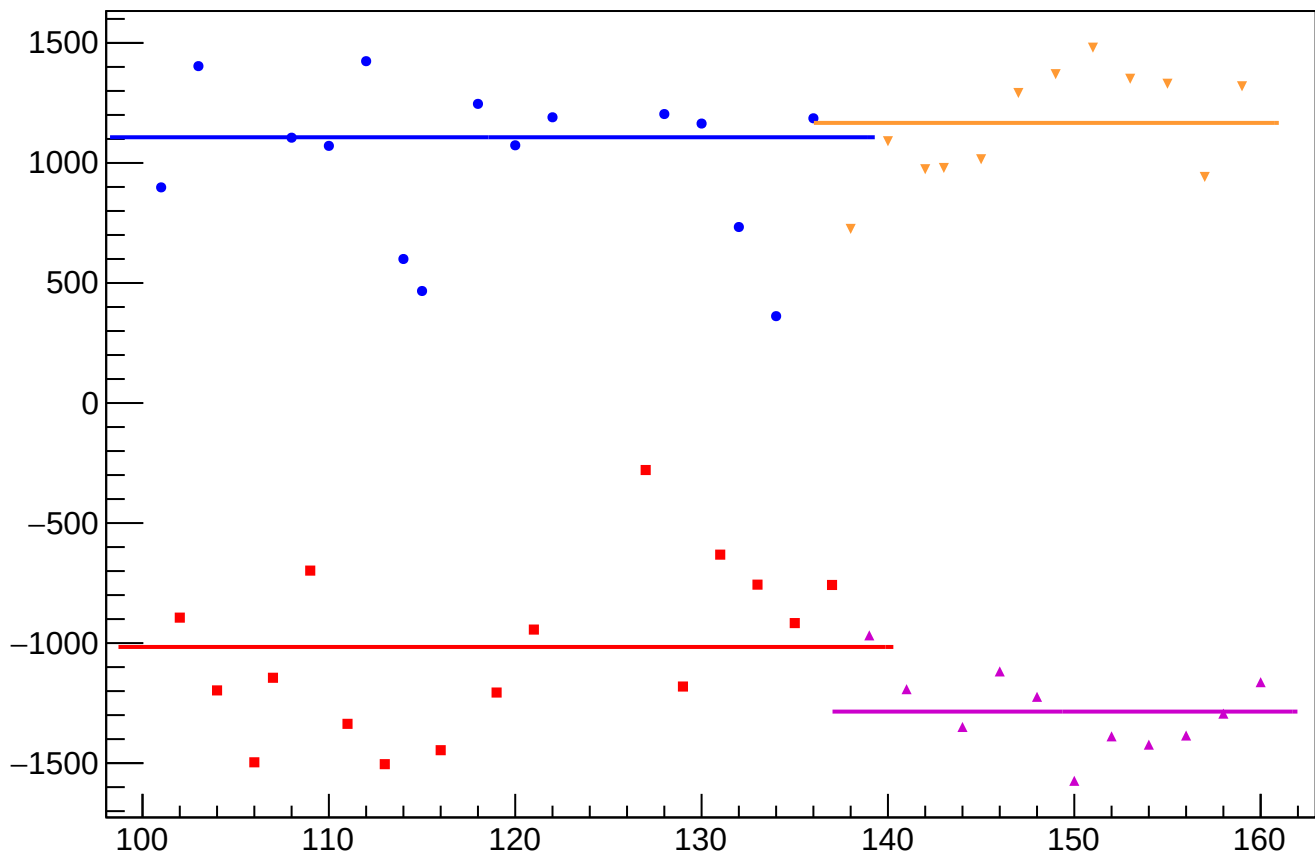
All: 38.016+/-0.000 χ^2/NDF : 5643955595721

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



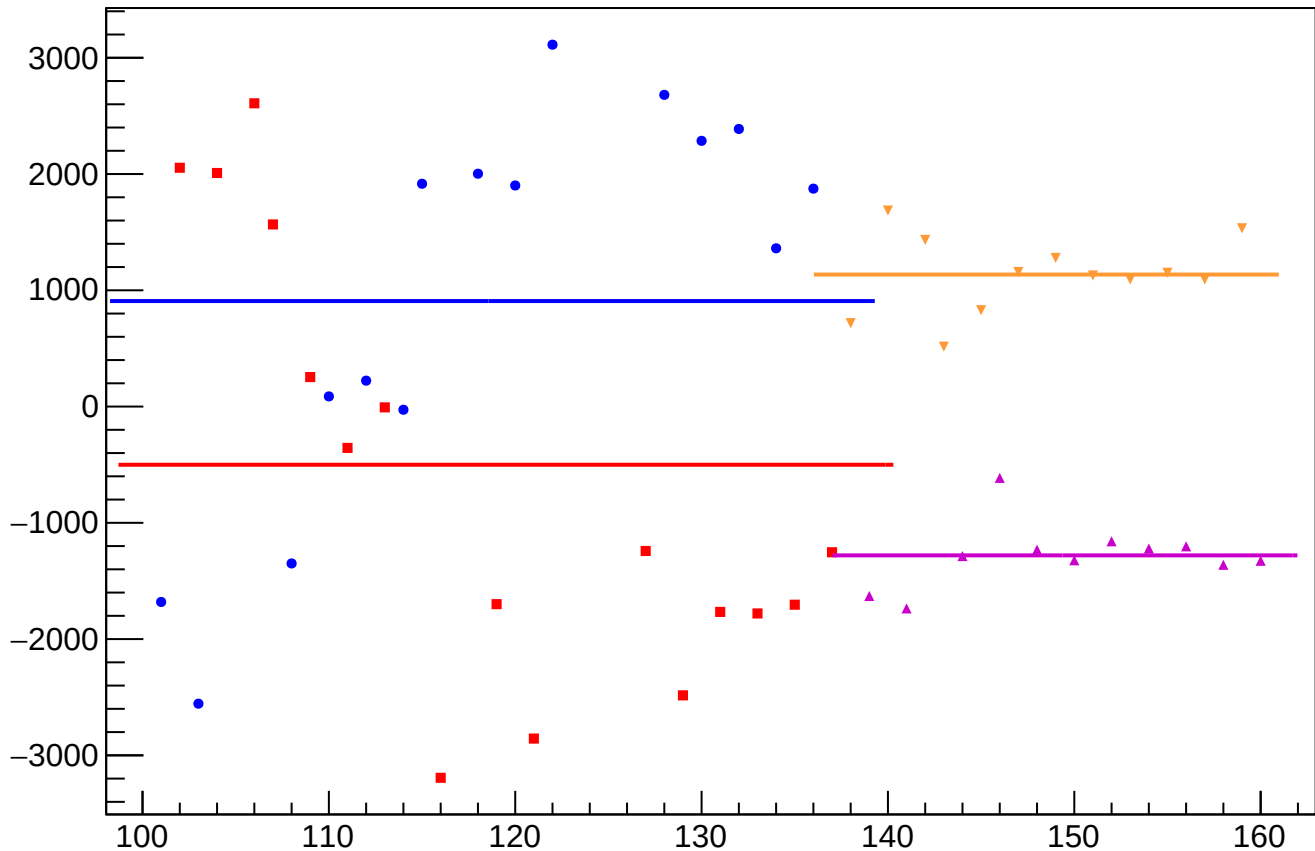
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.917+/-0.000 χ^2/NDF : 2574923375517186479088669940447707136.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 All: 3.813+/-0.000 χ^2/NDF : 99935728912409

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1135.509+/-0.000

χ^2/NDF : 90454761773489591793478678074609369088.0/11

Right Out: -500.689+/-0.000

χ^2/NDF : 2074232918749953174436803426379074895872.0/15

Left In: -1279.995+/-0.000

χ^2/NDF : 67592304703884032028559239448782438400.0/10

Left: -78.814+/-0.000 χ^2/NDF : 2838993659503494

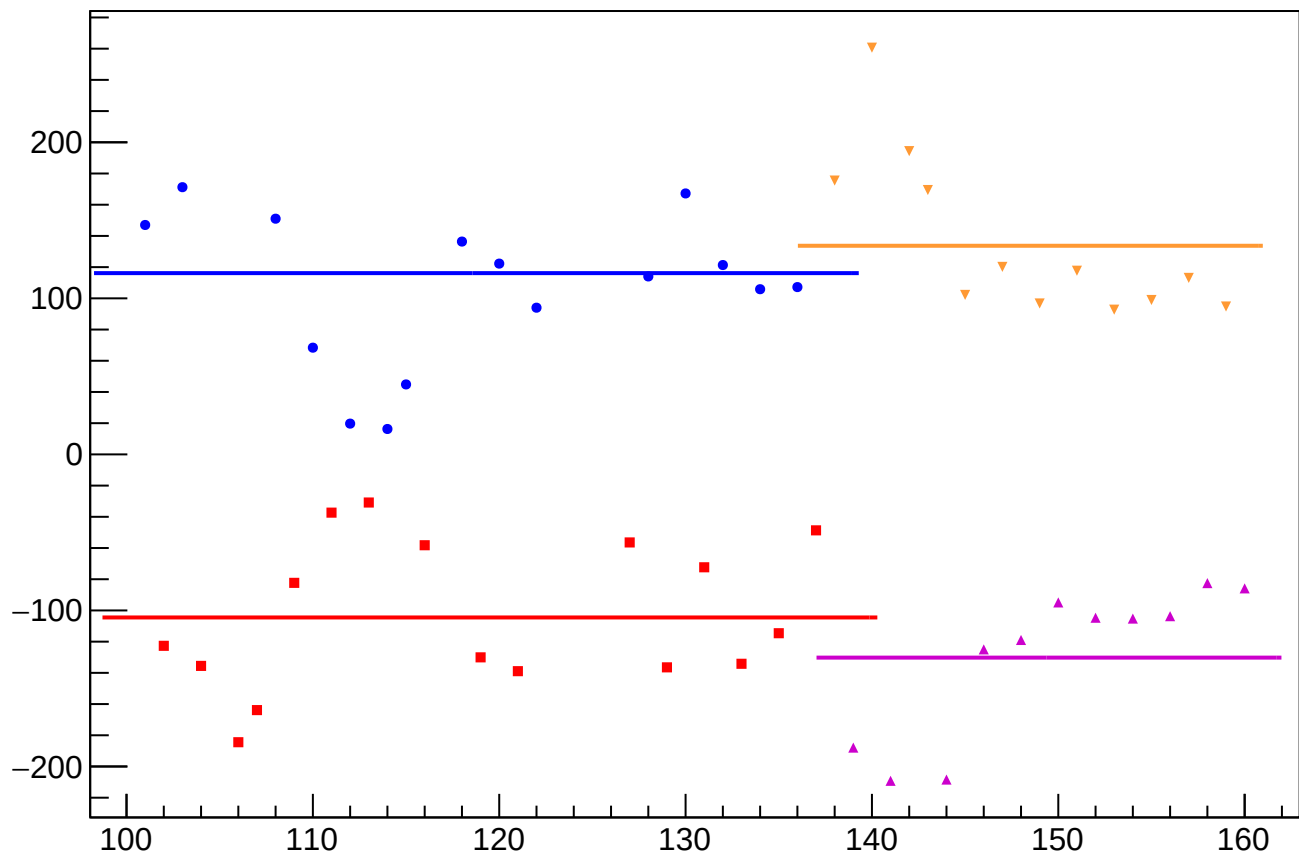
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 445.222+/-0.000 χ^2/NDF : 3197001629965650

All: 34.911+/-0.000 χ^2/NDF : 7729666433906

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159 $\pm$ 0.000

χ^2 /NDF: 1198526427485199785396504127288115200.0/14

Left Out: 133.695 $\pm$ 0.000

χ^2 /NDF: 2332238004384262852879386446827356160.0/11

Right Out: -104.501 $\pm$ 0.000

χ^2 /NDF: 1285986383644058507445602420764180480.0/15

Left In: -130.237 $\pm$ 0.000

χ^2 /NDF: 1968814259217478663576054483231178752.0/10

Left: 1.011 $\pm$ 0.000 χ^2 /NDF: 363089448385334354

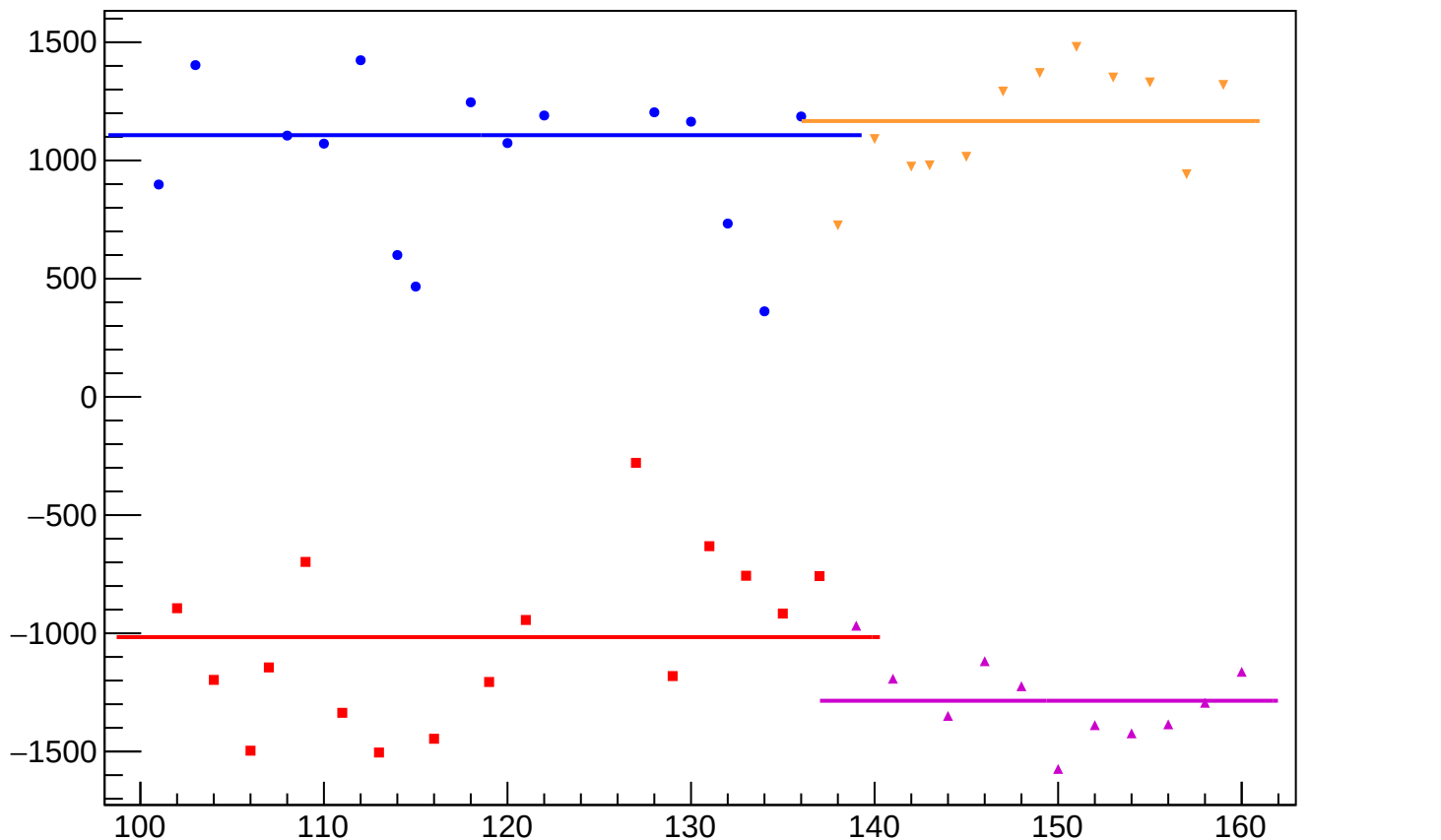
Right: 4.320 $\pm$ 0.000 χ^2 /NDF: 18500756430901072

In: -28.577 $\pm$ 0.000 χ^2 /NDF: 26312198647459661

Out: 33.204 $\pm$ 0.000 χ^2 /NDF: 25496298495933120

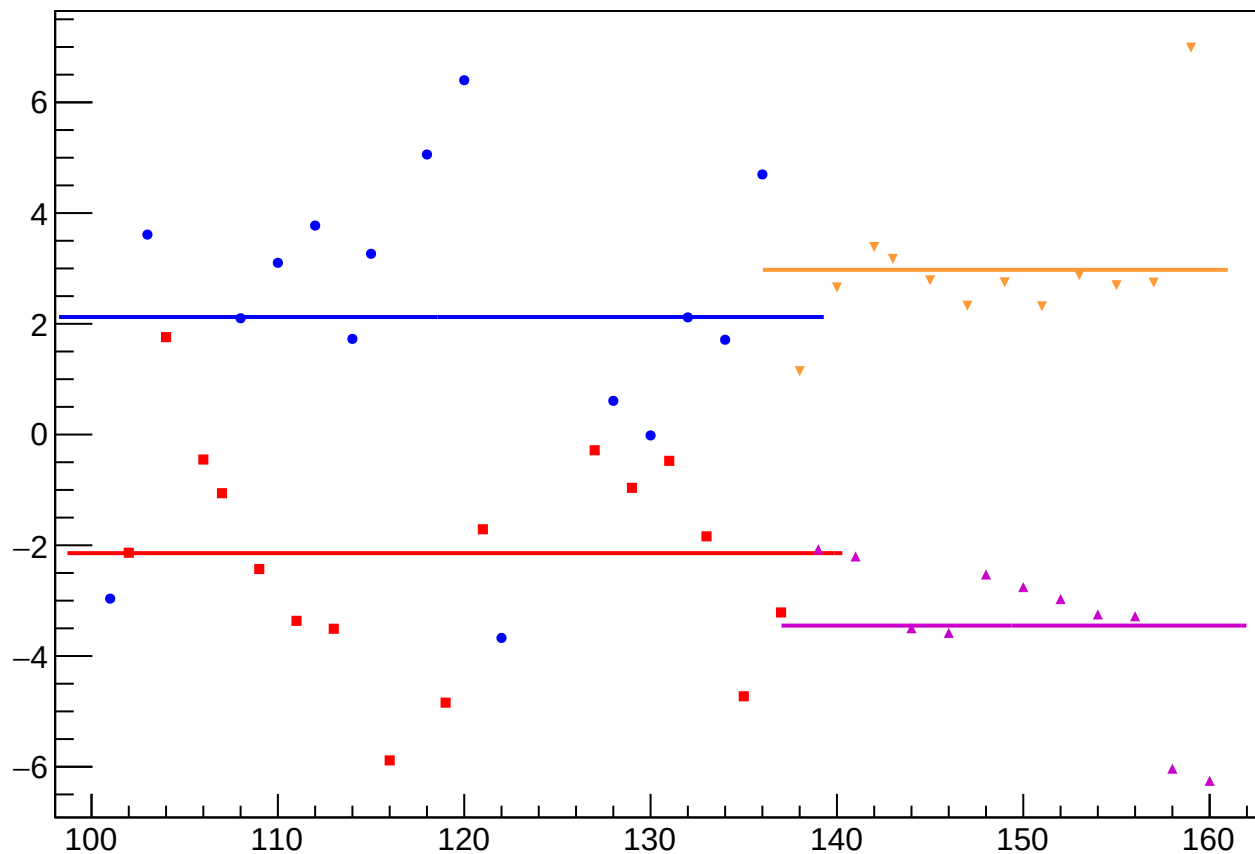
All: 2.392 $\pm$ 0.000 χ^2 /NDF: 54818097492999

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



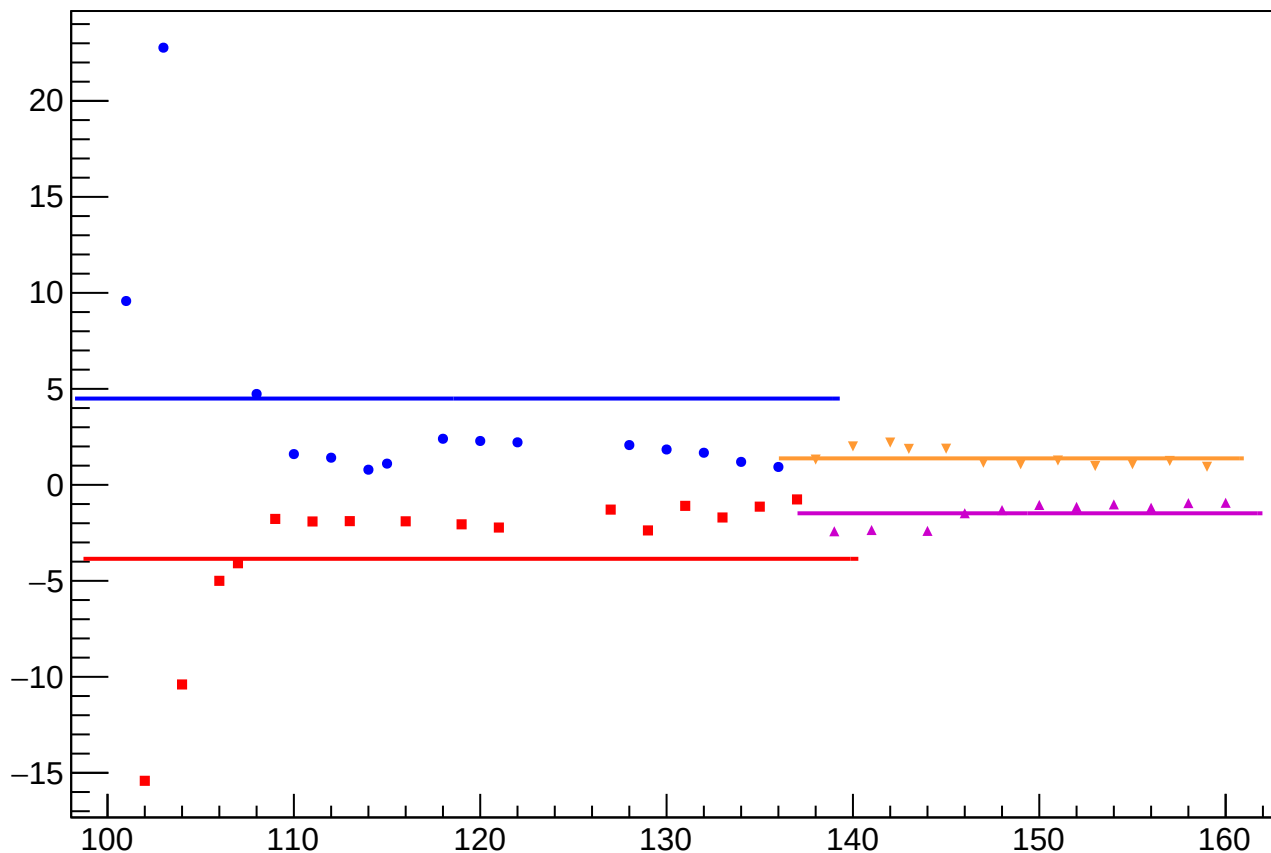
Left: -65.918 +/- 0.000 χ^2/NDF : 2831749902088431
 Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Right: 30.953 +/- 0.000 χ^2/NDF : 1595991371539270
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 In: -298.283 +/- 0.000 χ^2/NDF : 2246669587664541
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Out: 245.904 +/- 0.000 χ^2/NDF : 1954763504813796
 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



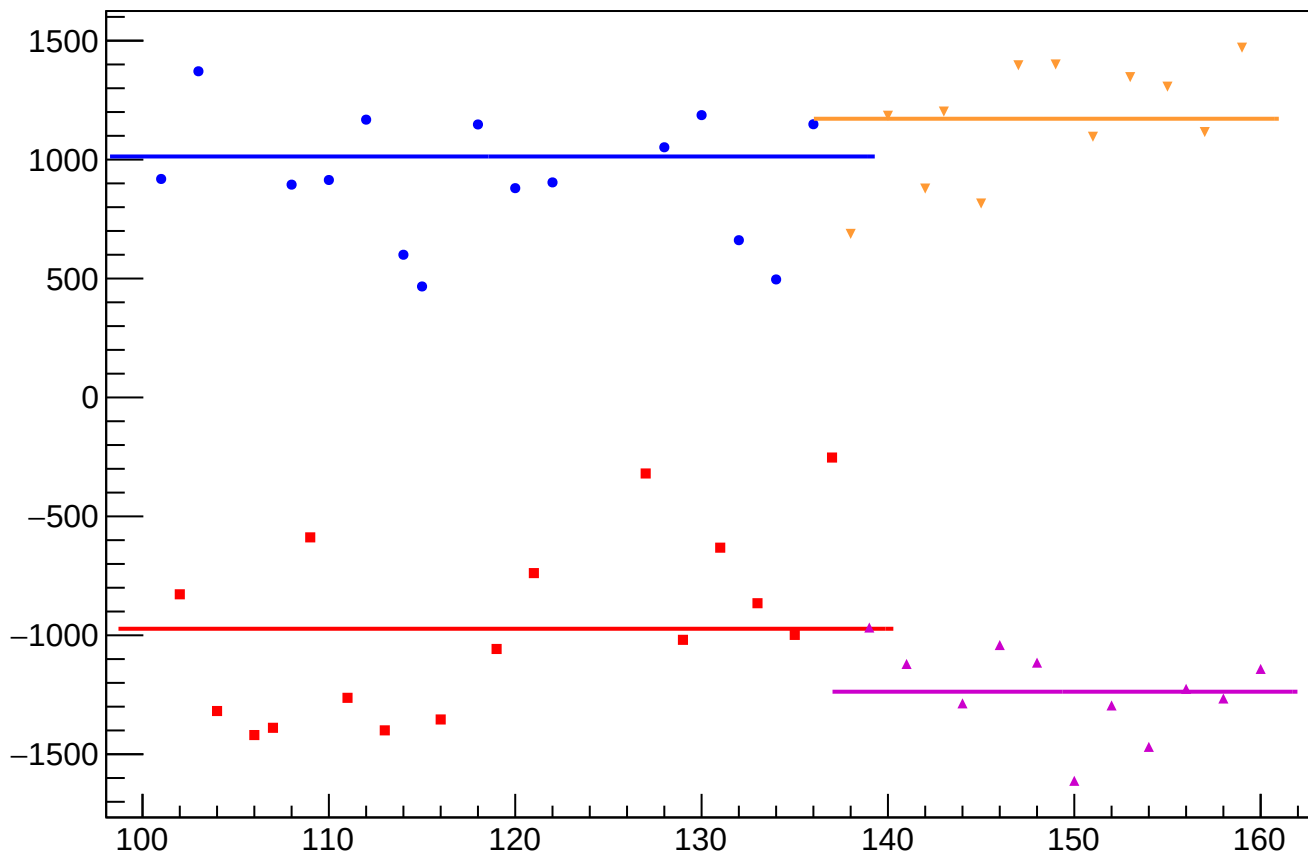
Right In: 2.123 $\pm$ 0.000 χ^2 /NDF: 5263705922821075971022013849403392.0/14
 Left Out: 2.975 $\pm$ 0.000 χ^2 /NDF: 1653073452461549310648226194391040.0/11
 Right Out: -2.142 $\pm$ 0.000 χ^2 /NDF: 2472949940993672466161692257026048.0/15
 Left In: -3.450 $\pm$ 0.000 χ^2 /NDF: 1551935058842125730993767819771904.0/10
 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

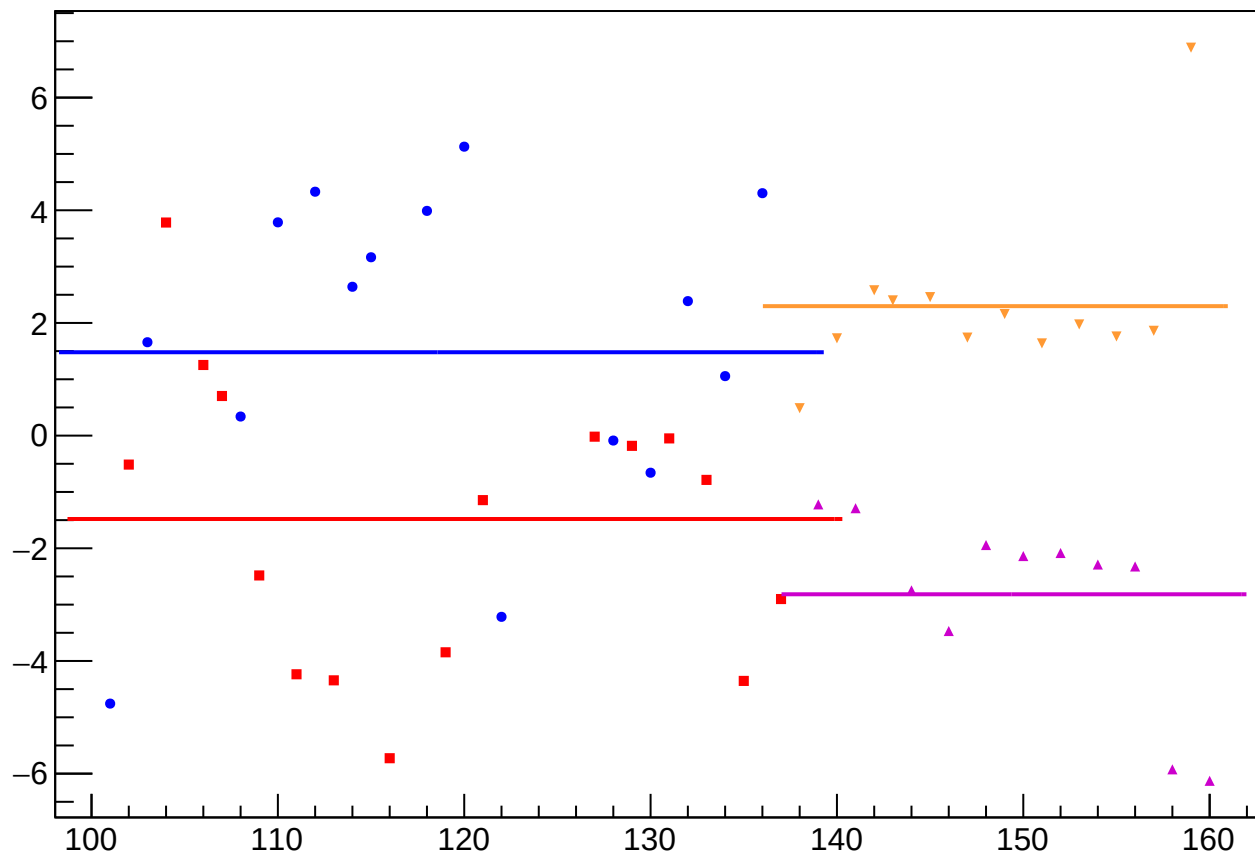
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

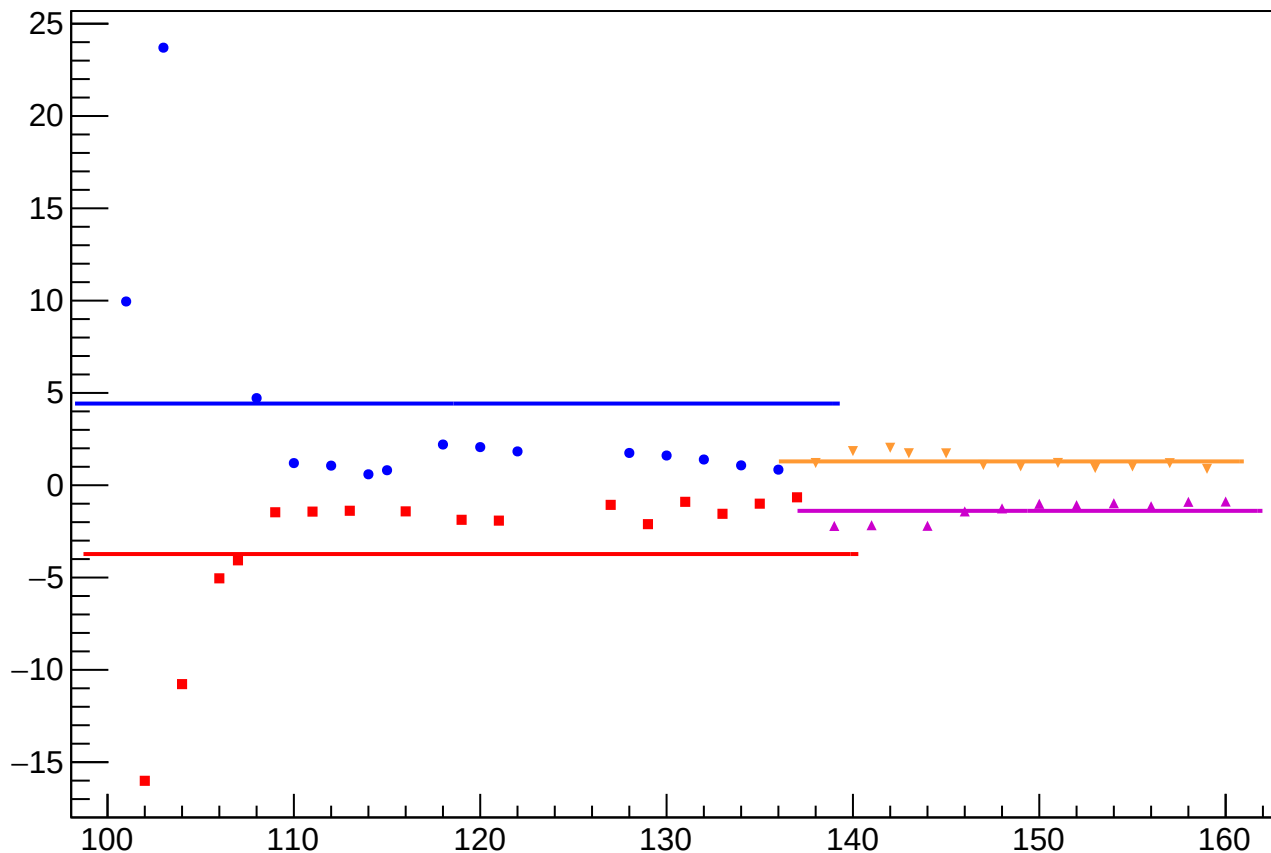
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eX_coil6_mean vs Slug, Sign Corrected



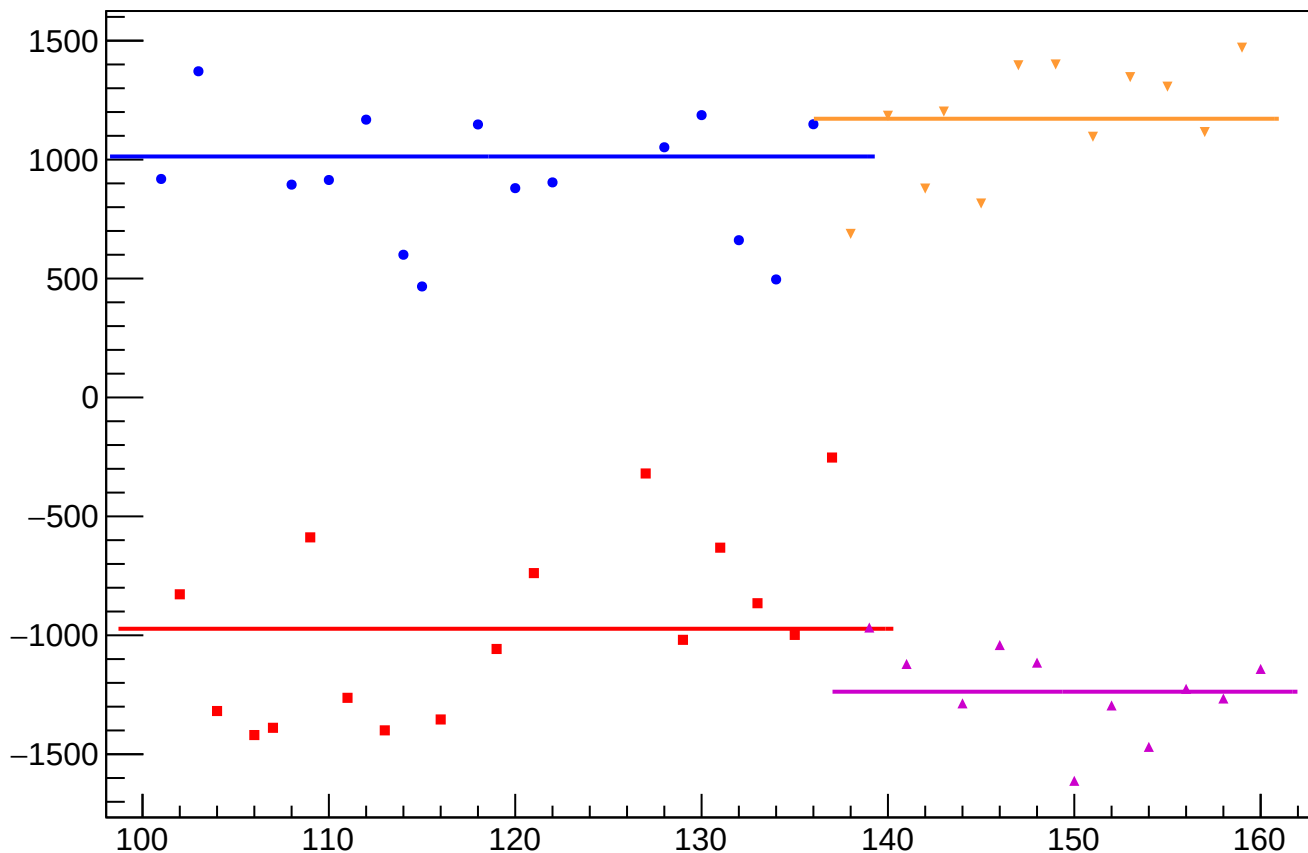
Right In: 1.480 $\pm$ 0.000 χ^2 /NDF: 5799670695902784459055767987683328.0/14
 Left Out: 2.298 $\pm$ 0.000 χ^2 /NDF: 2079870991739780462593334803693568.0/11
 Right Out: -1.480 $\pm$ 0.000 χ^2 /NDF: 4092645800613765572662987820367872.0/15
 Left In: -2.816 $\pm$ 0.000 χ^2 /NDF: 2230790234579581781884760219451392.0/10
 All: -0.168 $\pm$ 0.000 χ^2 /NDF: 2915247501265

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



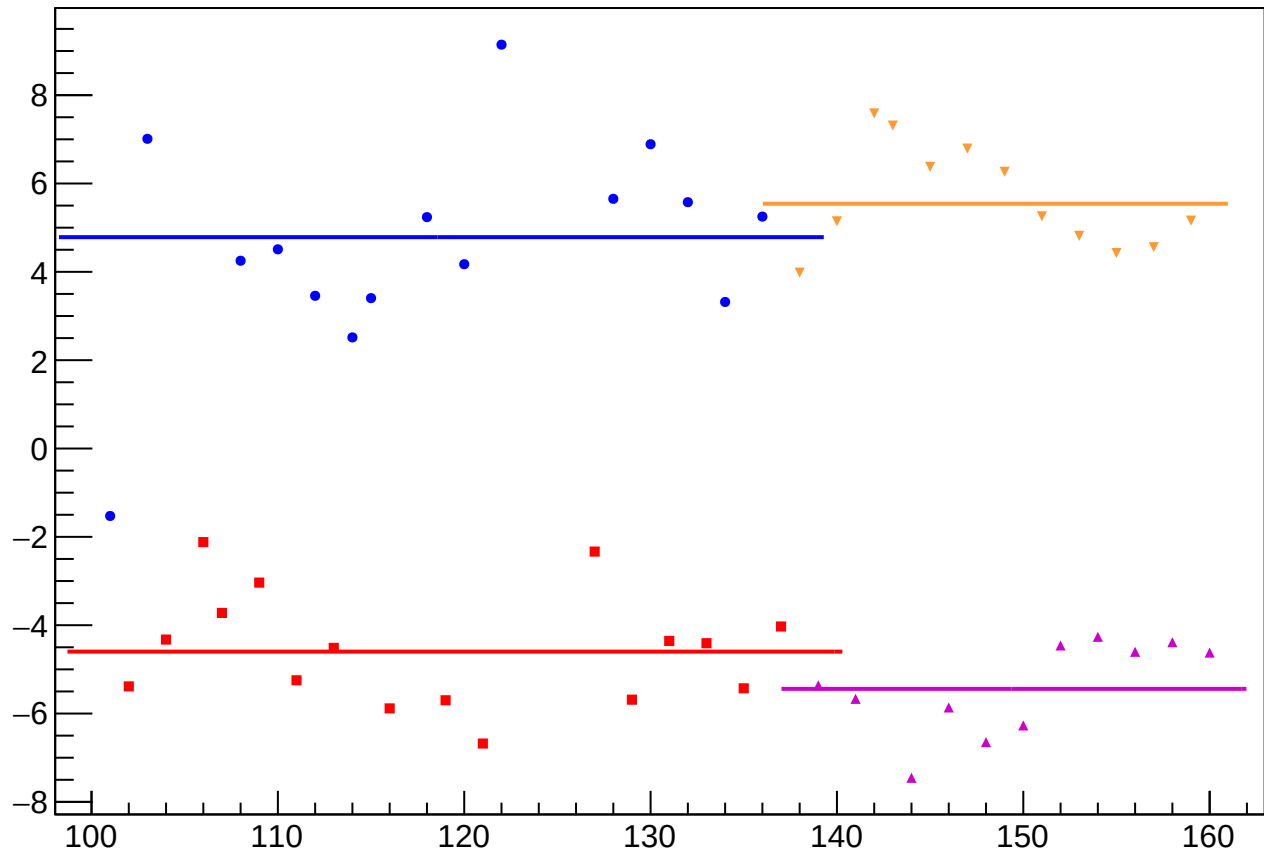
Right In: 4.424 ± 0.000 χ^2/NDF : 28257459272876210608839830473277440.0/14
 Left Out: 1.291 ± 0.000 χ^2/NDF : 119201725618452190917490324275200.0/11
 Right Out: -3.727 ± 0.000 χ^2/NDF : 13991816814749842519794284853460992.0/15
 Left In: -1.387 ± 0.000 χ^2/NDF : 245381205913734368947829561360384.0/10
 All: 0.090 ± 0.000 χ^2/NDF : 67859501931783

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -39.225+/-0.000	χ^2/NDF : 2749183771125436
Left Out: 1171.807+/-0.000	χ^2/NDF : 52424901282098583856312492577037221888.0/11	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -308.706+/-0.000	χ^2/NDF : 1992534711877389
Left In: -1237.150+/-0.000	χ^2/NDF : 30323445843993737164691986740223672320.0/10	Out: 267.171+/-0.000	χ^2/NDF : 1904273666999186
		All: -20.037+/-0.000	χ^2/NDF : 415830099668

dit_11X12X_coil6_mean vs Slug, Sign Corrected



Right In: 4.785+/-0.000

χ^2/NDF : 3996556073154779711808159470321664.0/14

Left Out: 5.542+/-0.000

χ^2/NDF : 1063589592141187742244511087067136.0/11

Right Out: -4.598+/-0.000

χ^2/NDF : 989607156792948633247632779640832.0/15

Left In: -5.441+/-0.000

χ^2/NDF : 969147874620390855399339032838144.0/10

Left: 0.021+/-0.000 χ^2/NDF : 574569475069085613

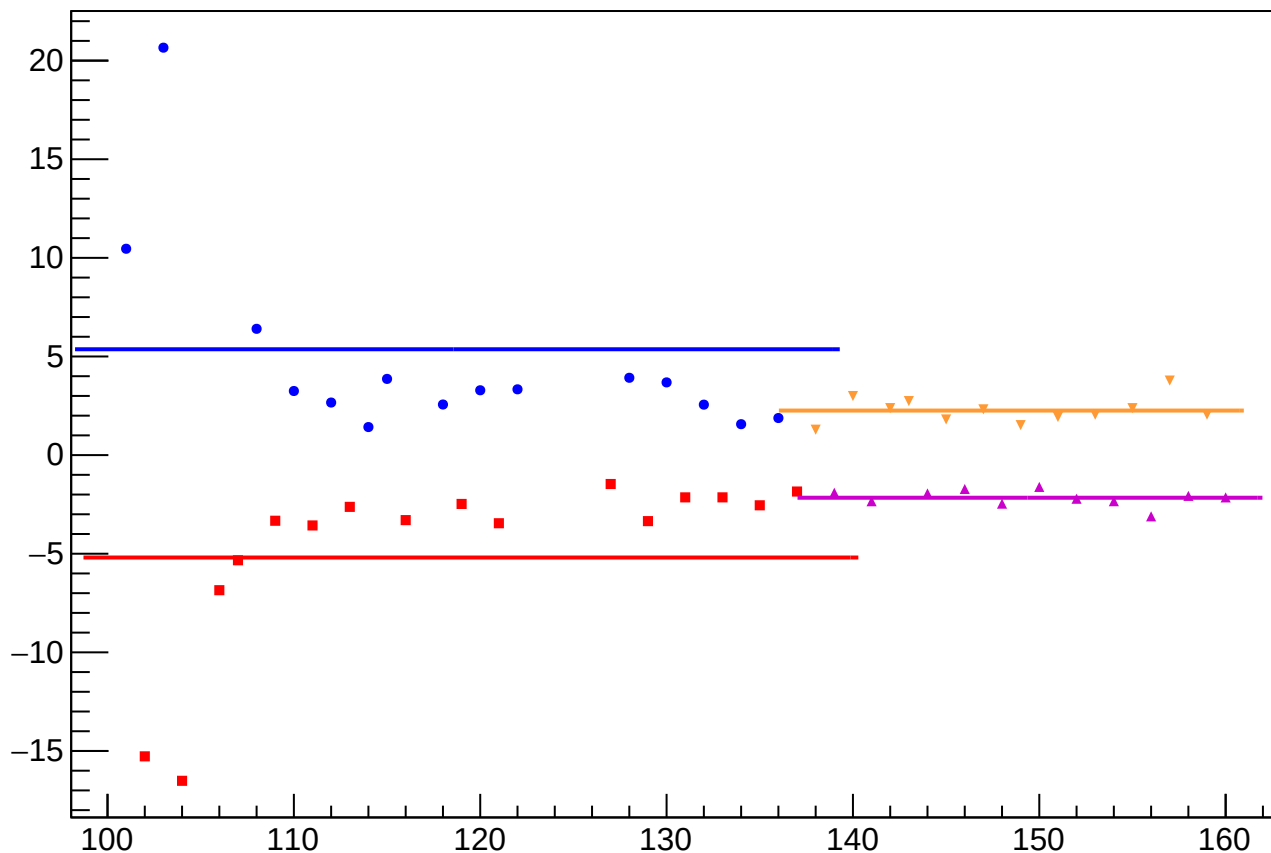
Right: 0.029+/-0.000 χ^2/NDF : 33948566568426742

In: -1.222+/-0.000 χ^2/NDF : 448312824685683470

Out: 1.264+/-0.000 χ^2/NDF : 417024451094656984

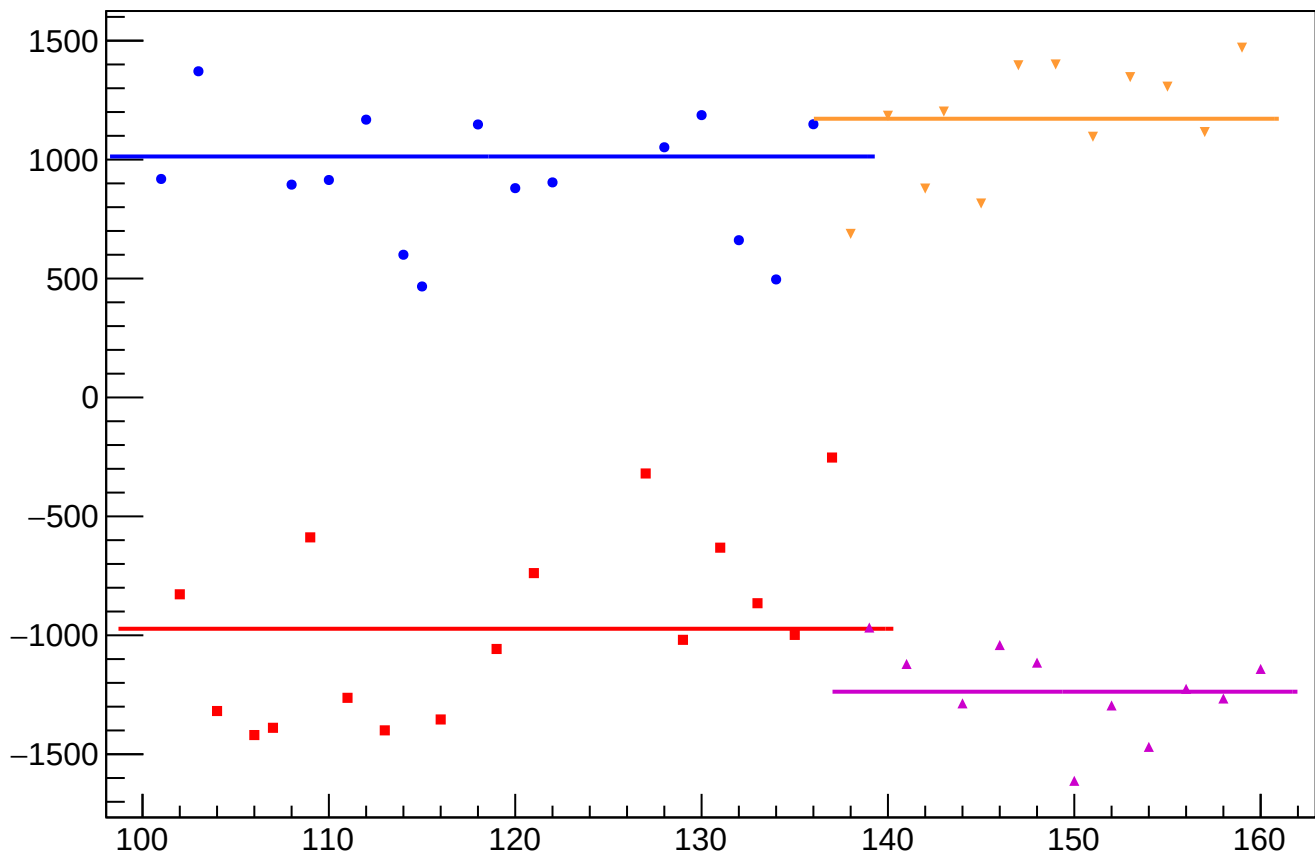
All: 0.024+/-0.000 χ^2/NDF : 91405570612349

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

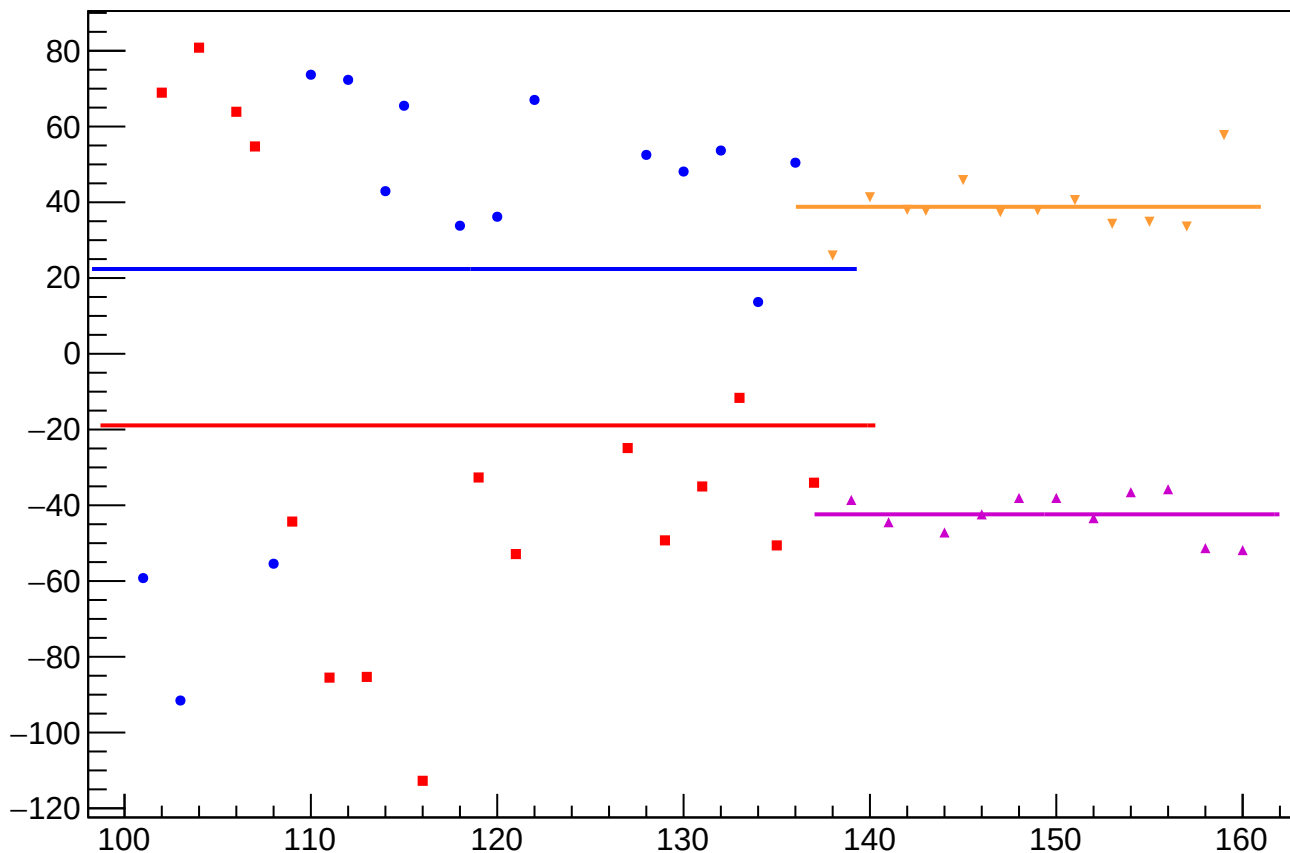
χ^2/NDF : 78884457200782655962756069915468234752.0/15

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

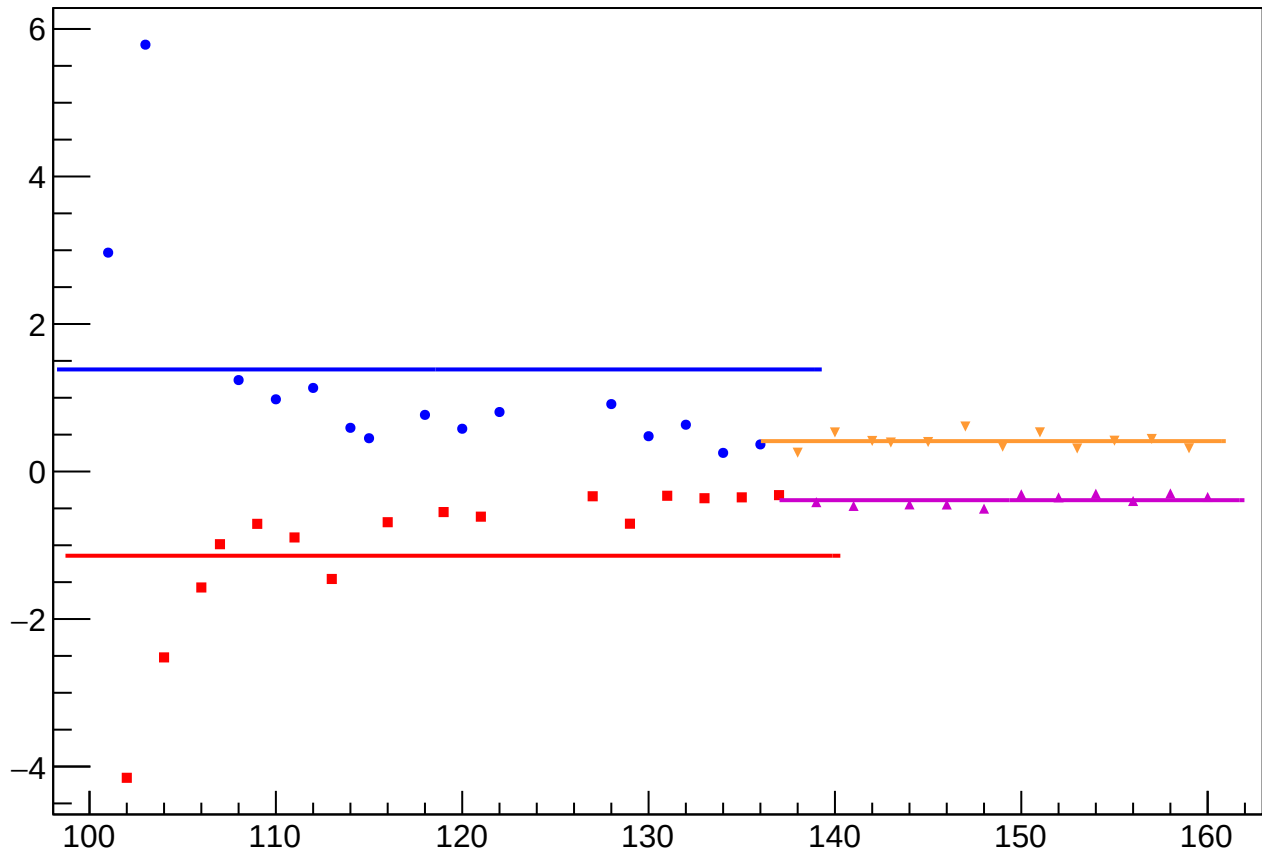
χ^2/NDF : 2182221808408156293593993992757837824.0/15

Left In: -42.386 $\pm$ 0.000

χ^2/NDF : 26555660128562986553016927486214144.0/10

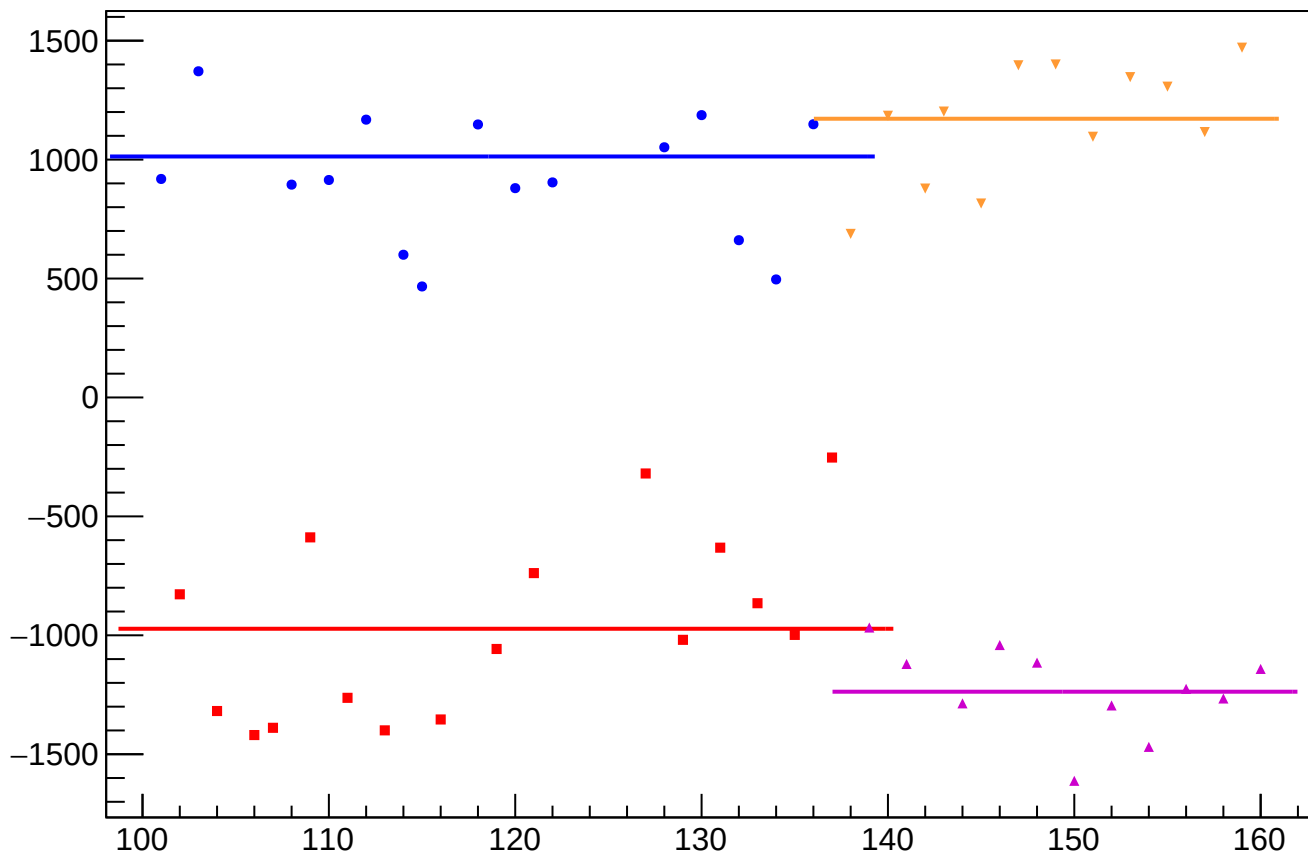
All: -0.564 $\pm$ 0.000 χ^2/NDF : 7781760585963

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



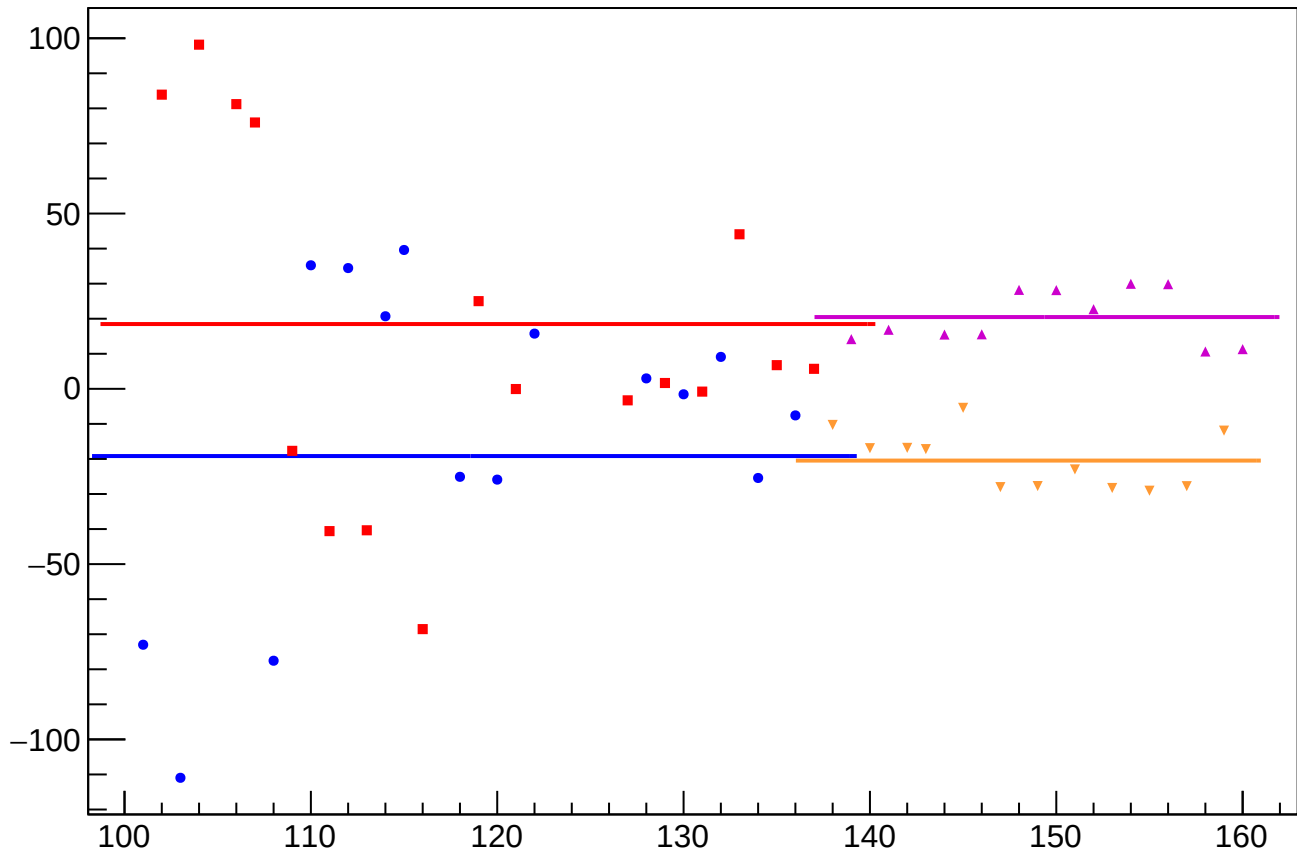
Left: 0.010 +/- 0.000 χ^2/NDF : 308495296516211564
 Right In: 1.384 +/- 0.000 χ^2/NDF : 1571159324102064120487940936695808.0/14
 Right: 0.104 +/- 0.000 χ^2/NDF : 44802957007729023
 Left Out: 0.412 +/- 0.000 χ^2/NDF : 9382414275472018674983467220992.0/11
 In: 0.343 +/- 0.000 χ^2/NDF : 2773530065340727089
 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 : 47956046375431.0/10

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175 ± 0.000

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

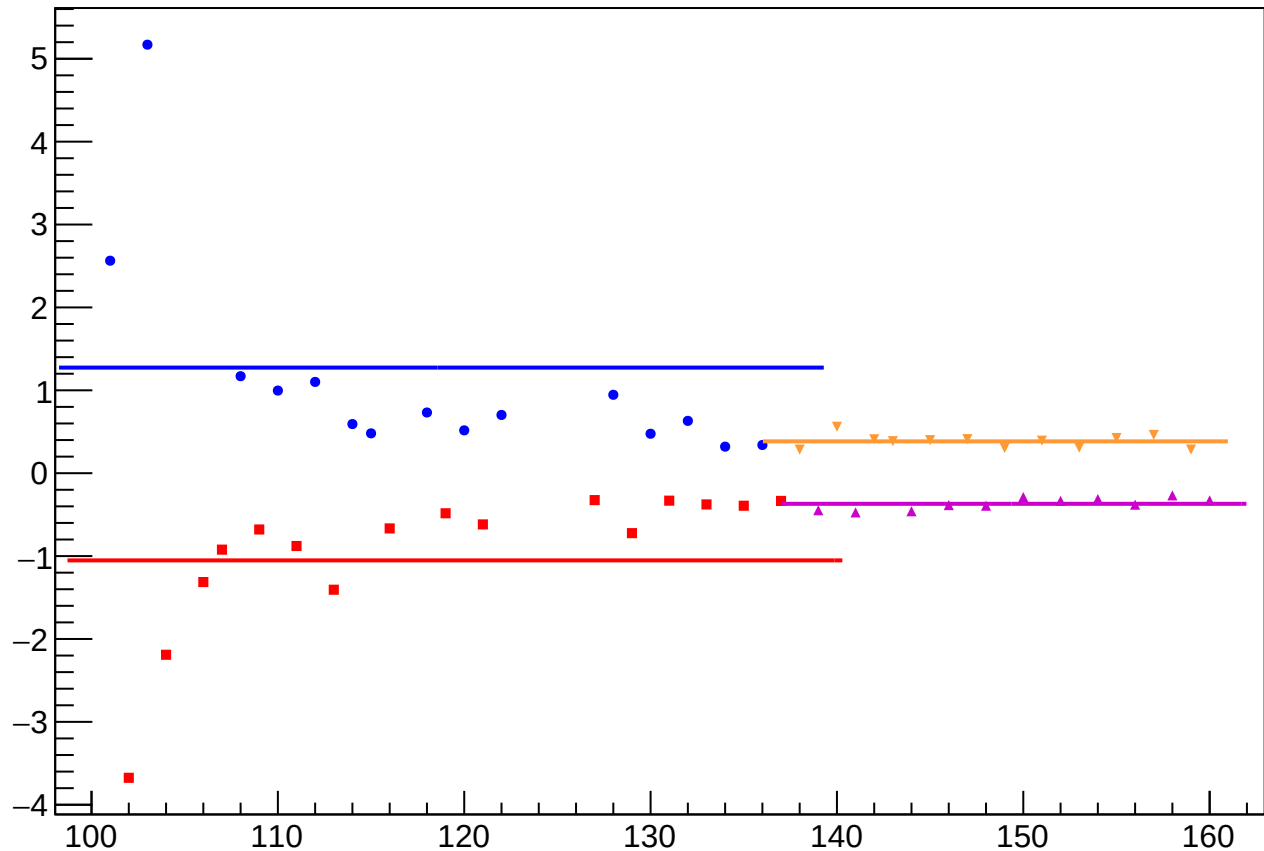
Right: -0.091 ± 0.000 χ^2/NDF : 3202145485356183

In: 4.115 ± 0.000 χ^2/NDF : 1894138593068178389

Out: -4.035 ± 0.000 χ^2/NDF : 21328659955407988

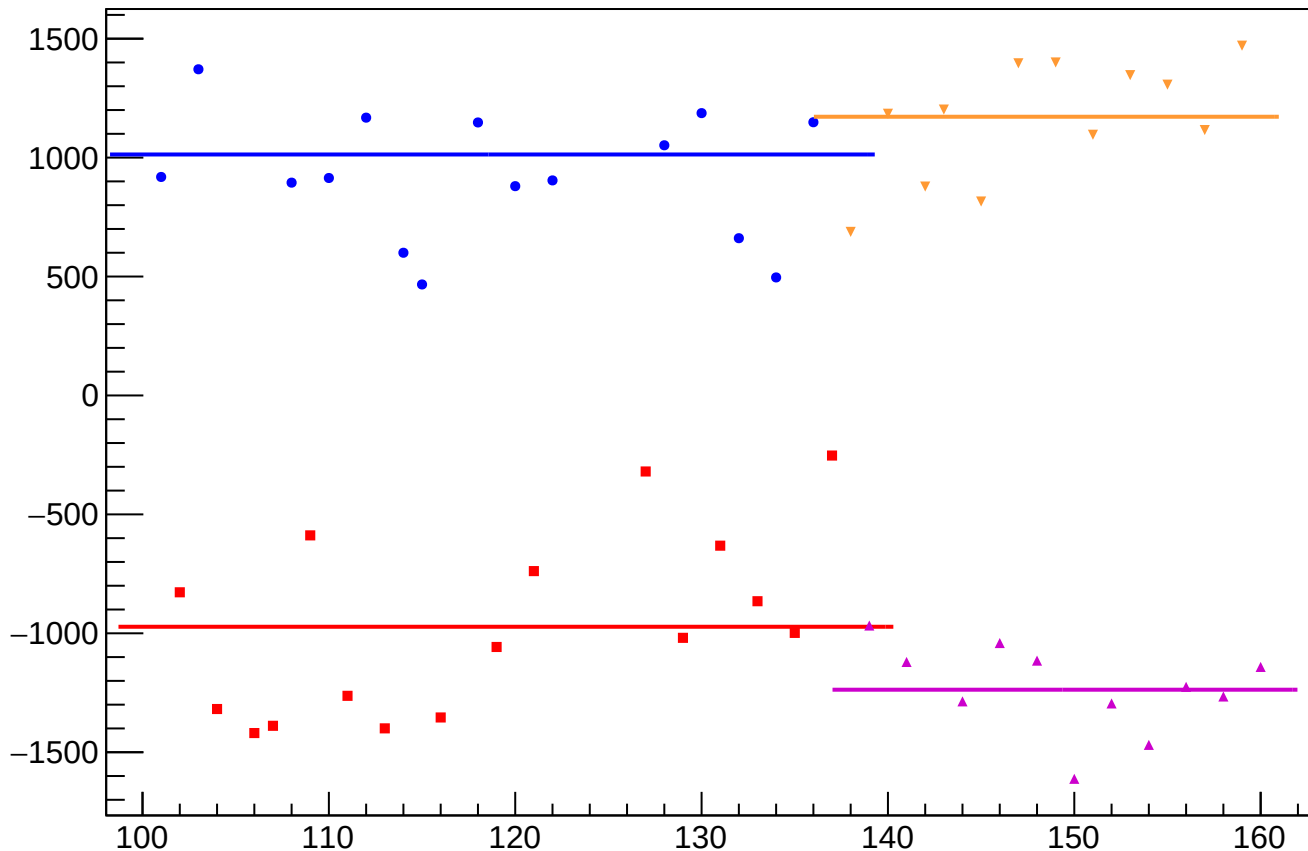
All: 0.029 ± 0.000 χ^2/NDF : 40793804983027

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

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

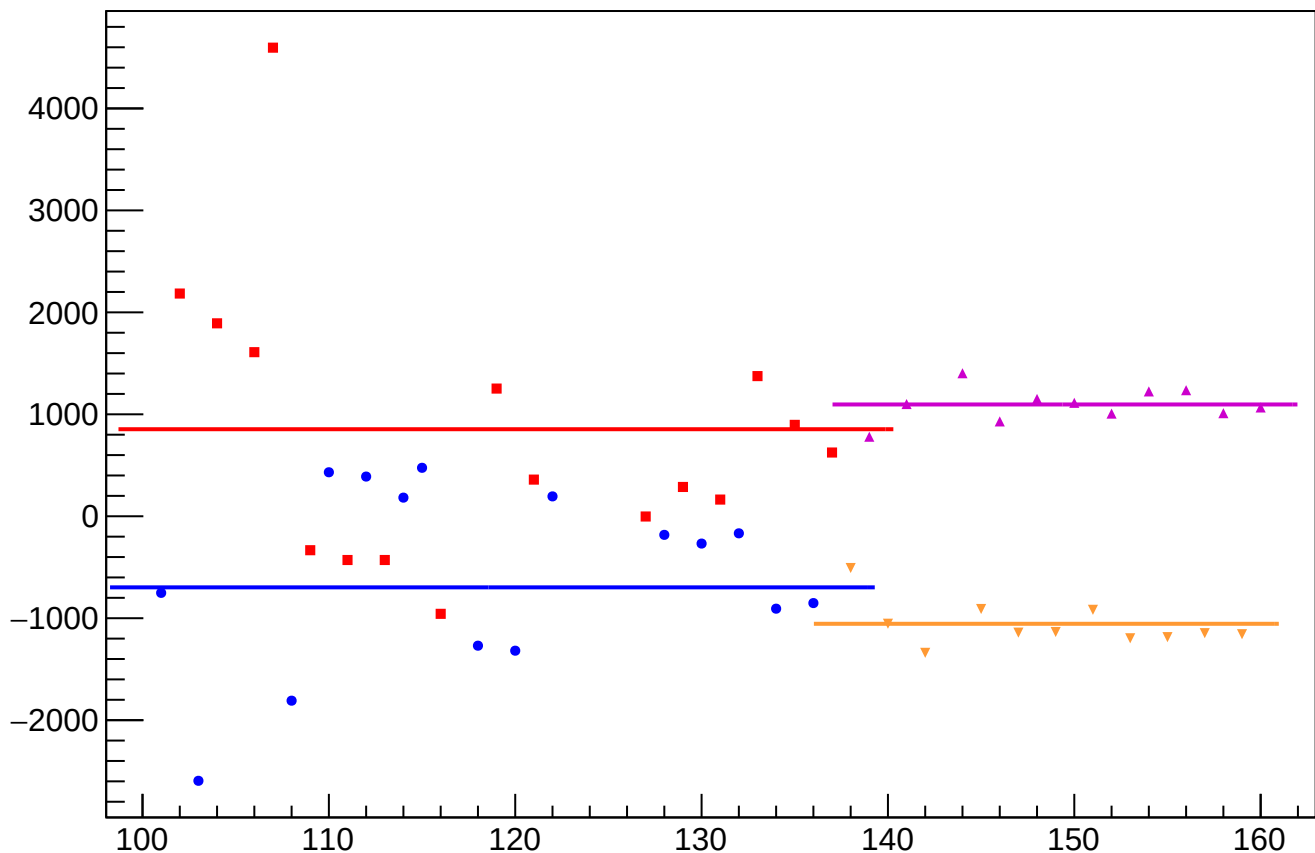
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1054.675+/-0.000

χ^2/NDF : 35893414561751289831028004535805149184.0/10

Right Out: 853.734+/-0.000

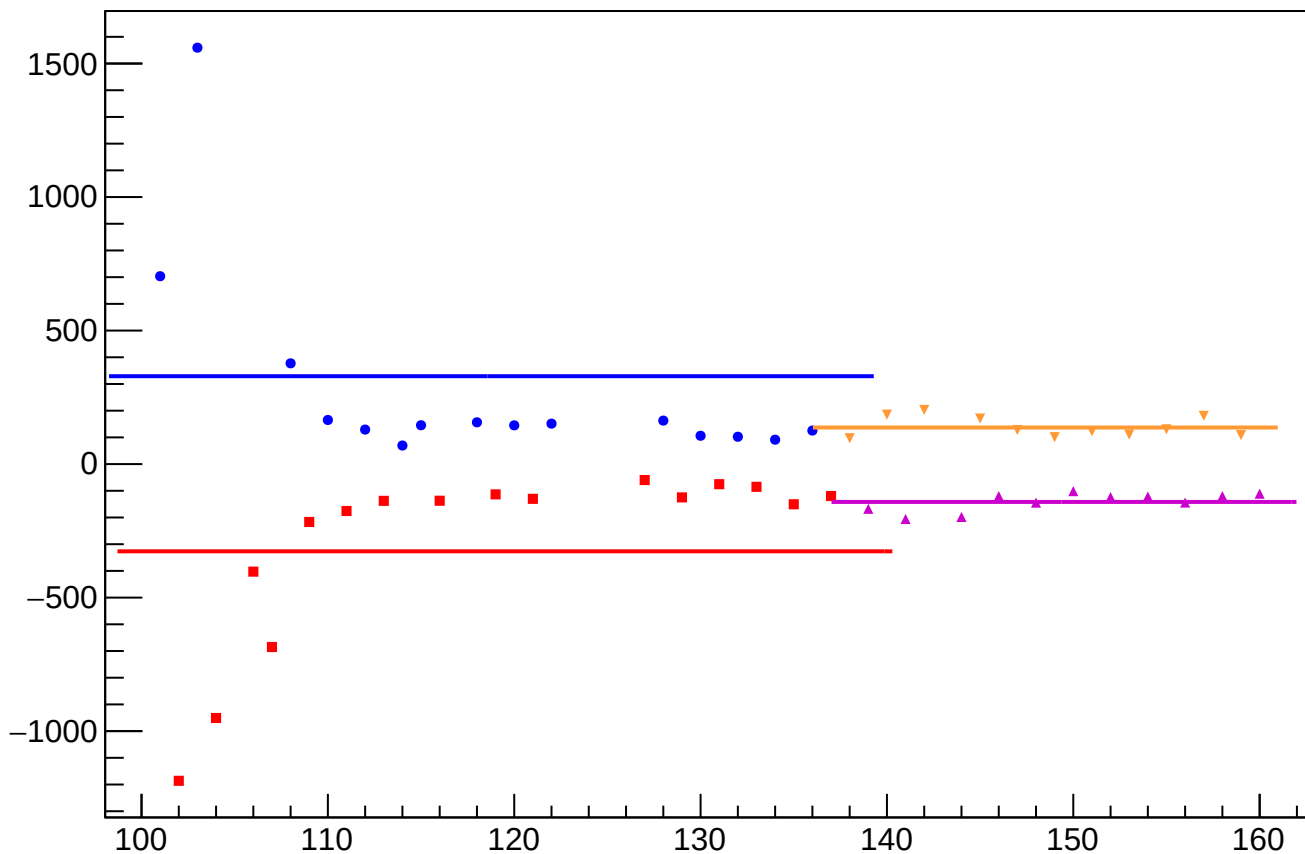
χ^2/NDF : 1078379020126412317155932275156201766912.0/15

Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

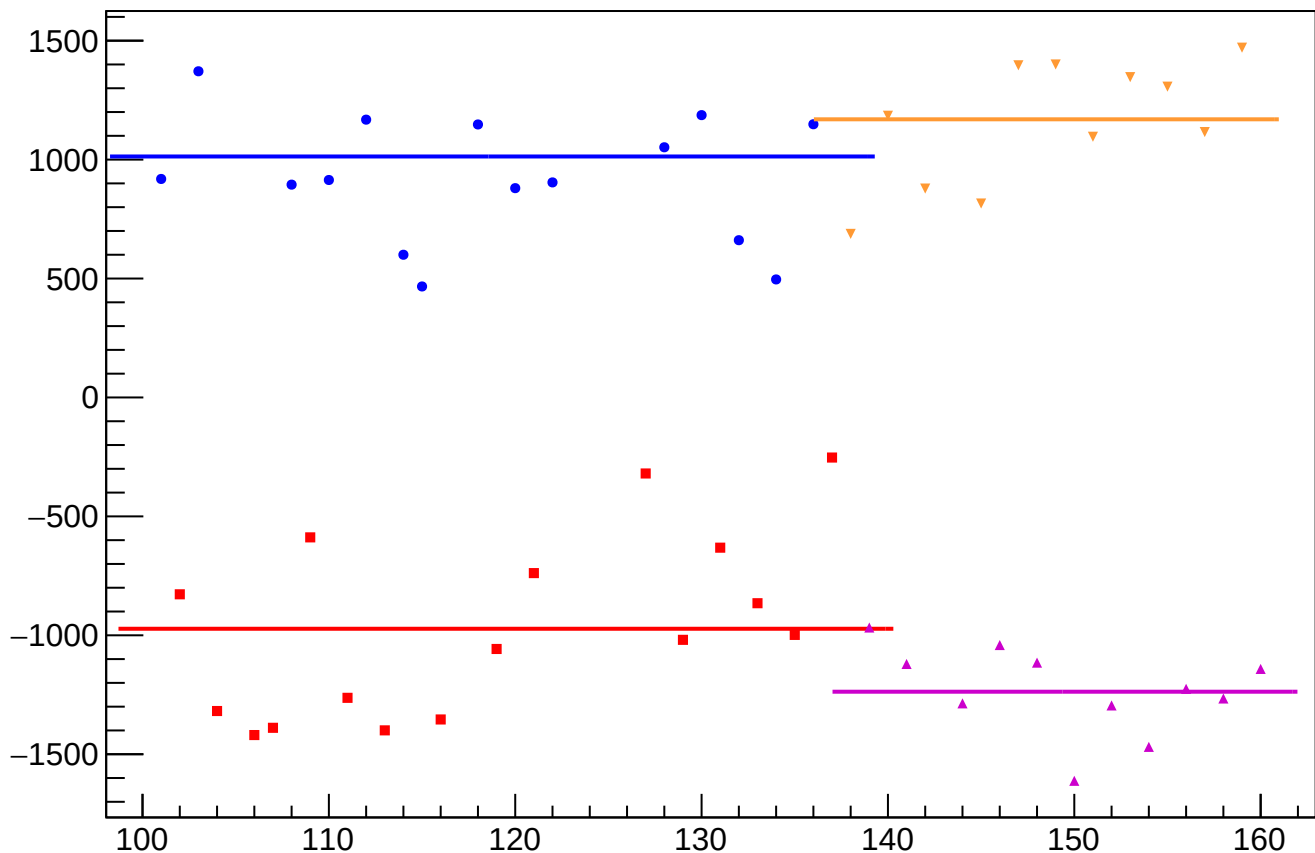
All: 76.698+/-0.000 χ^2/NDF : 4464746513505

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 329.108 +/- 0.000 χ^2/NDF : 116863820700538623524207945698672377856.0/14
 Left Out: 137.012 +/- 0.000 χ^2/NDF : 1014362817438194132709655172622581760.0/10
 Right Out: -326.695 +/- 0.000 χ^2/NDF : 87569123354318020688611028415151079424.0/15
 Left In: -141.688 +/- 0.000 χ^2/NDF : 1044882408057849194081424130600599552.0/10
 All: -6.215 +/- 0.000 χ^2/NDF : 3823059515642

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1169.420+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52359058528484212152975817930553950208.0/10

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -86.182+/-0.000 χ^2/NDF : 2642058453366472

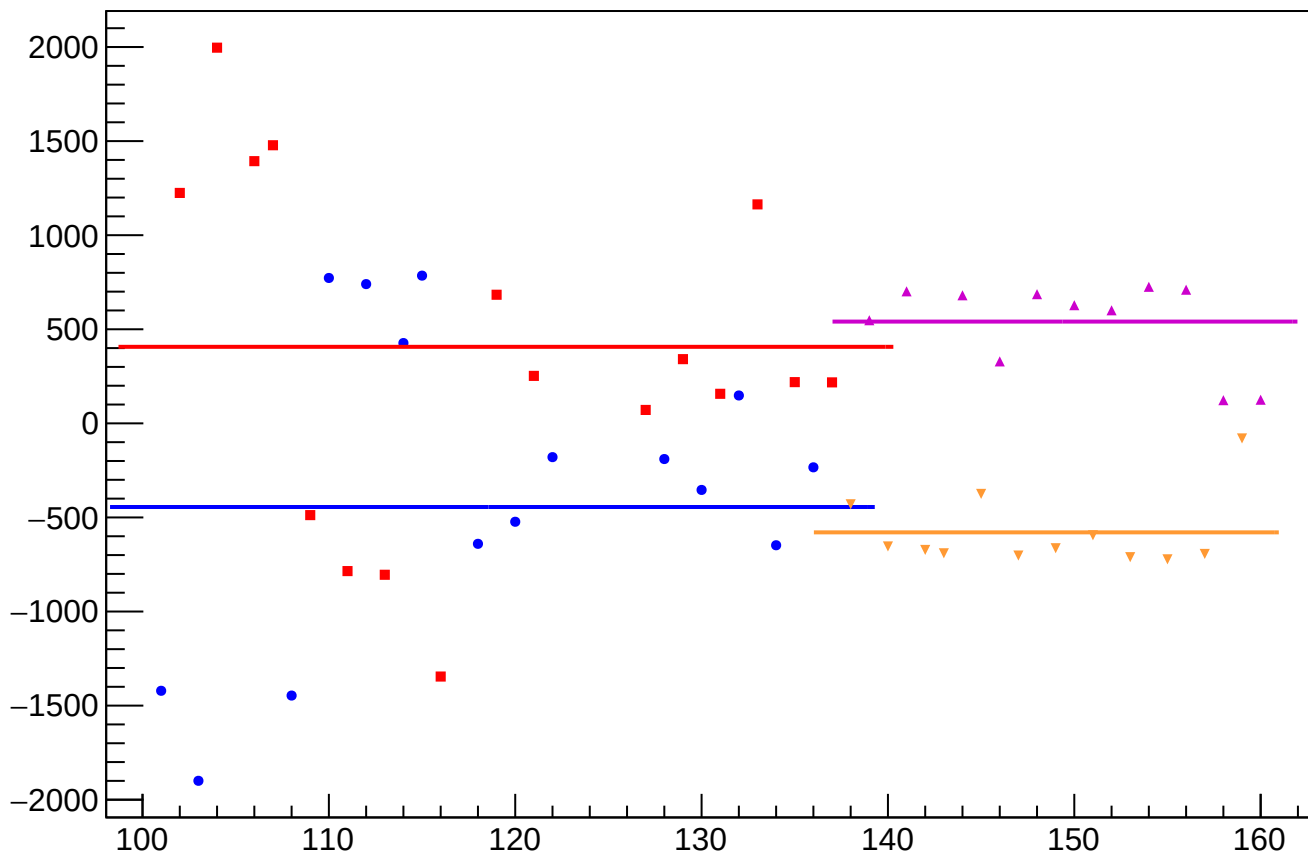
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 225.803+/-0.000 χ^2/NDF : 1843132897386969

All: -46.560+/-0.000 χ^2/NDF : 405607578172

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left Out: -579.272+/-0.000

χ^2/NDF : 32584581524528860941595597407042666496.0/11

Right Out: 406.729+/-0.000

χ^2/NDF : 529122421866774810012941782239129108480.0/15

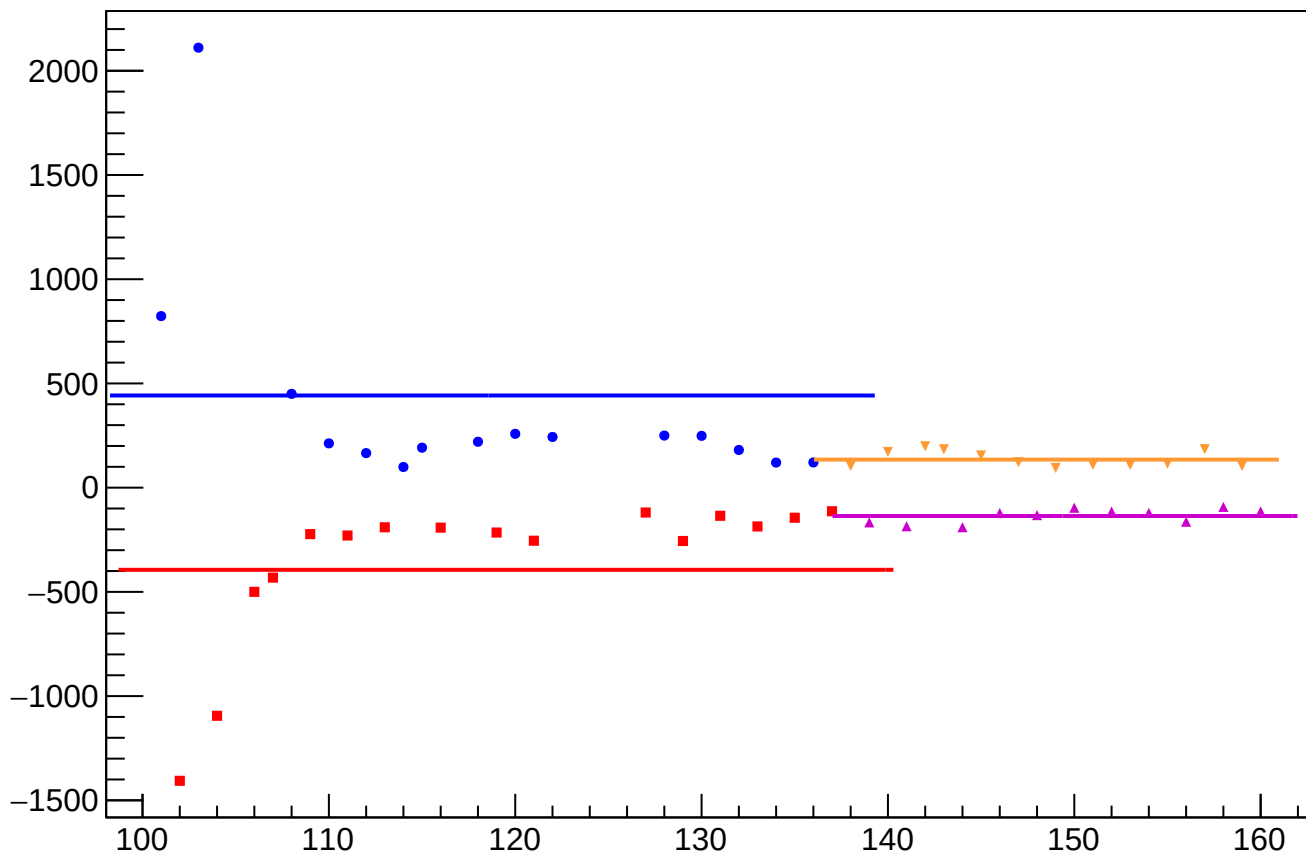
Left In: 540.842+/-0.000

χ^2/NDF : 42670193317497817911030367466366697472.0/10

All: -14.875+/-0.000

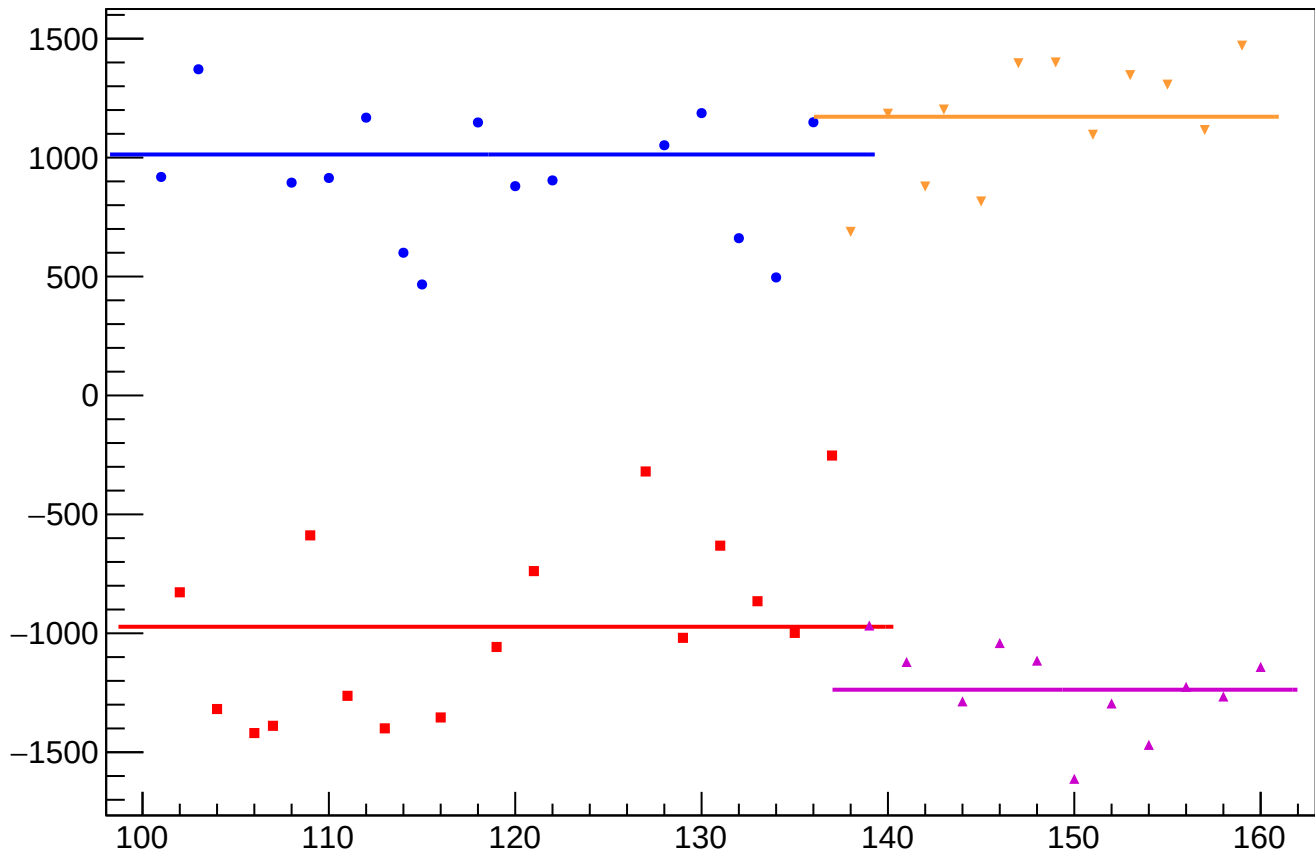
χ^2/NDF : 181571626575

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

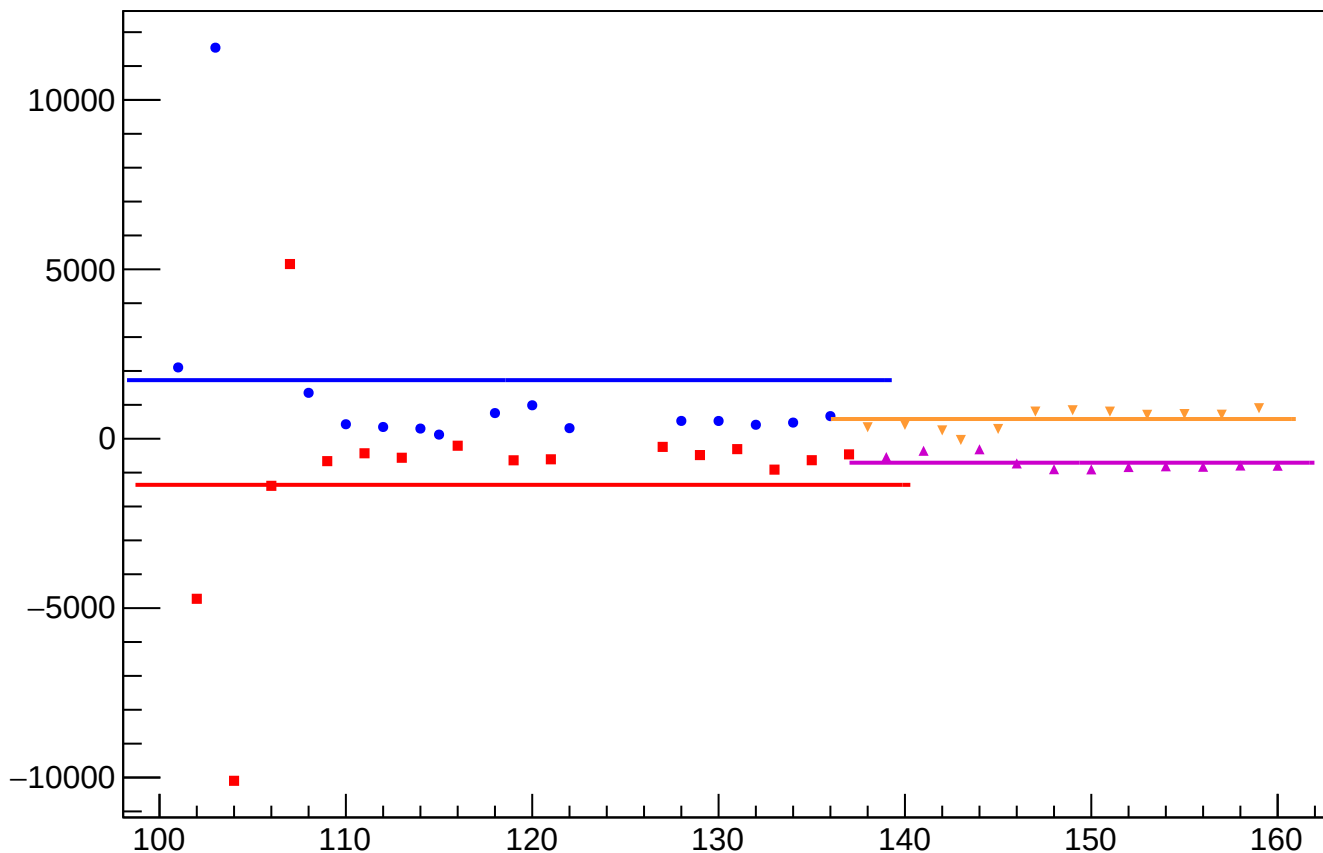
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

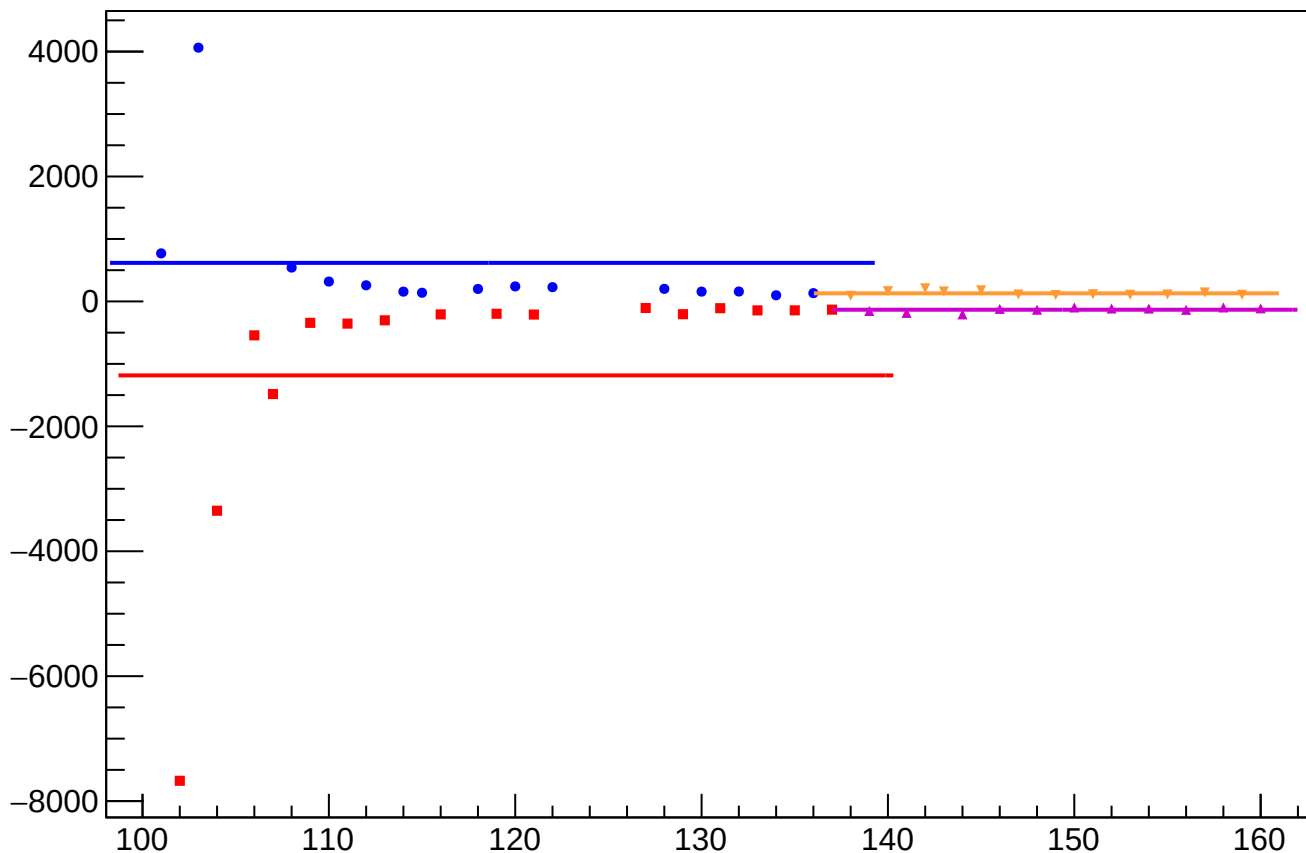
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl1_coil6_mean vs Slug, Sign Corrected



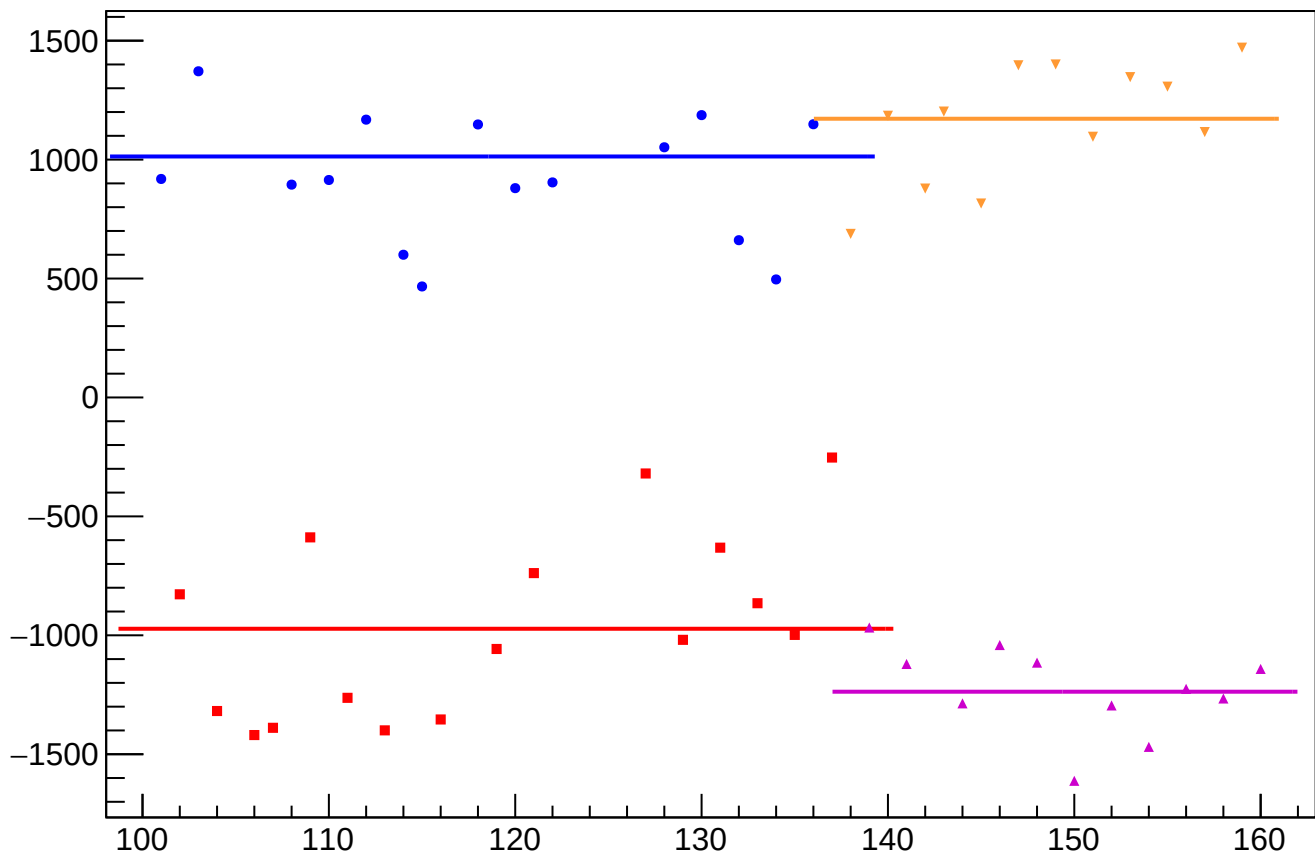
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 582.152+/-0.000 χ^2/NDF : 70083772647831486125732989768801714176.0/11
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -707.889+/-0.000 χ^2/NDF : 38116486188817980699032426002432131072.0/10
 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

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

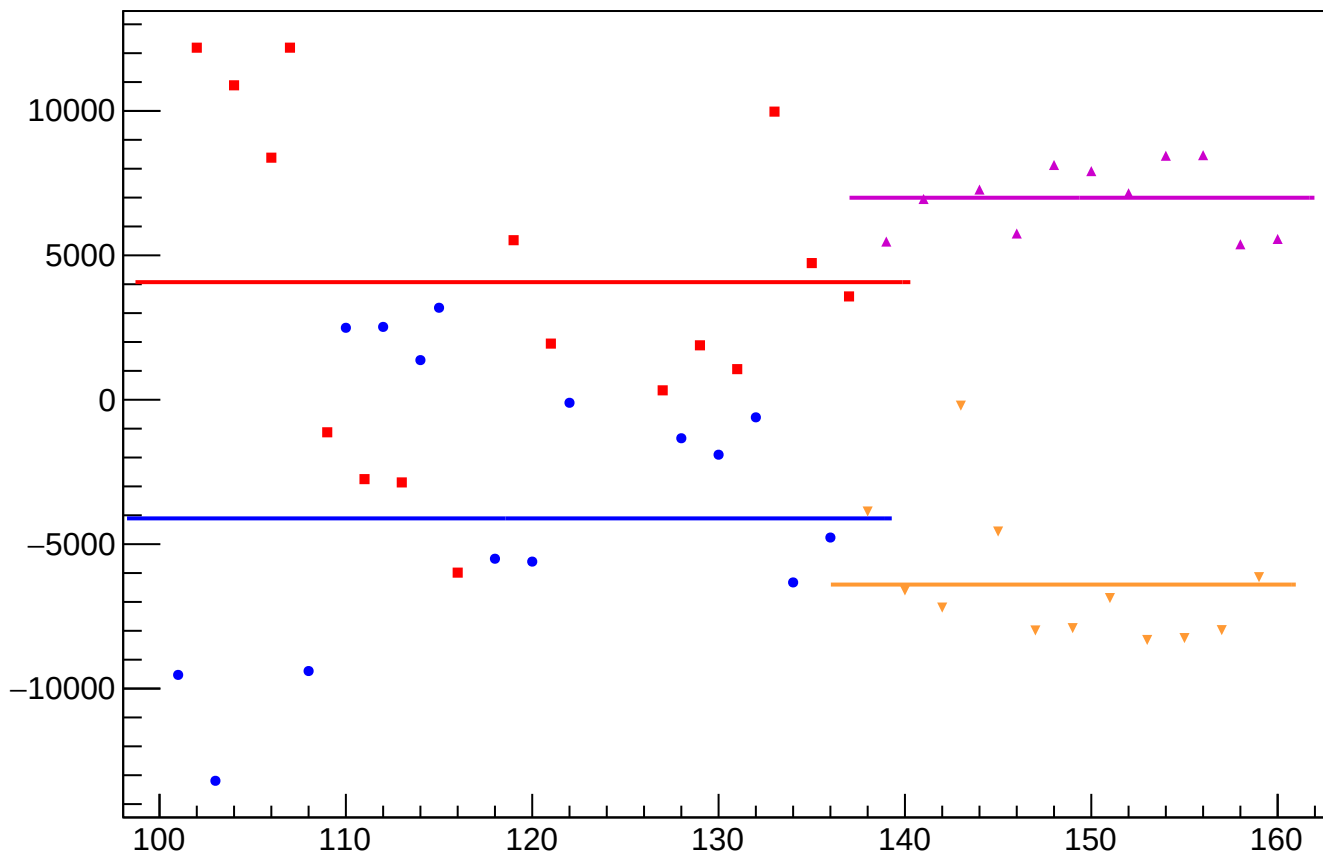
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6398.906+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4560292812943761149136938286094472970240.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 334.389+/-0.000 χ^2/NDF : 8822007925031666

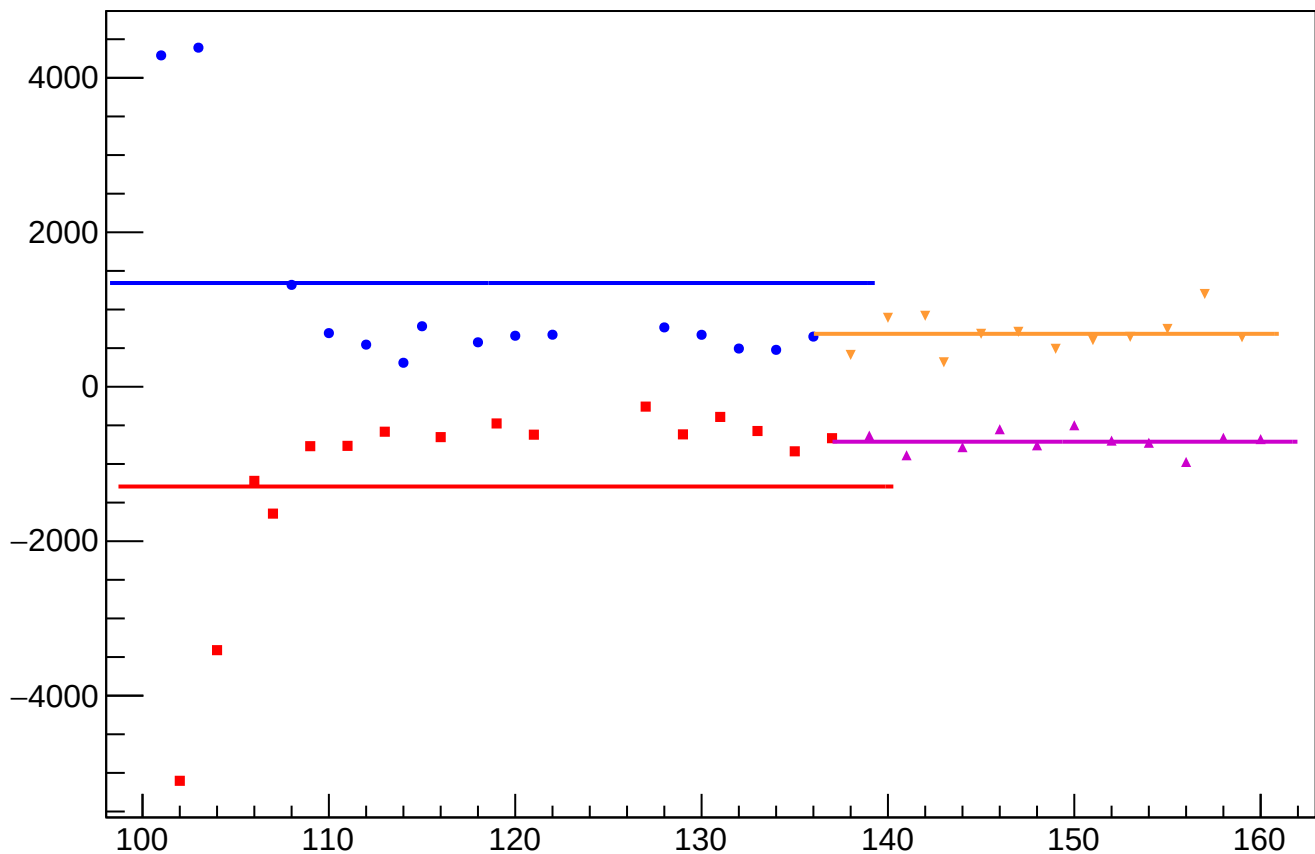
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1981.339+/-0.000 χ^2/NDF : 67205872968541

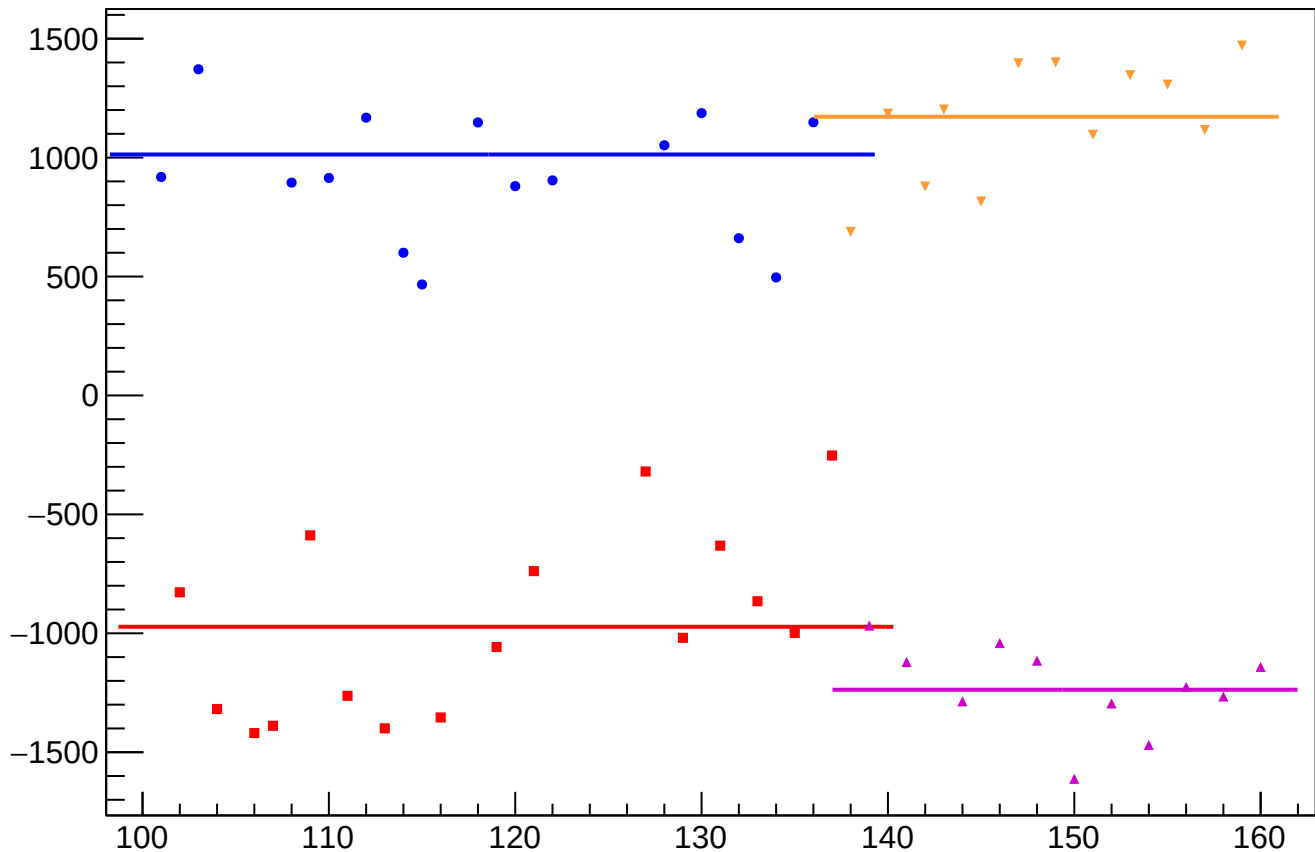
All: 210.837+/-0.000 χ^2/NDF : 145189636575

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 685.307+/-0.000 χ^2/NDF : 46333249080985813233742212153458294784.0/11
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726+/-0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.683+/-0.000 χ^2/NDF : 5884601406998

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

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

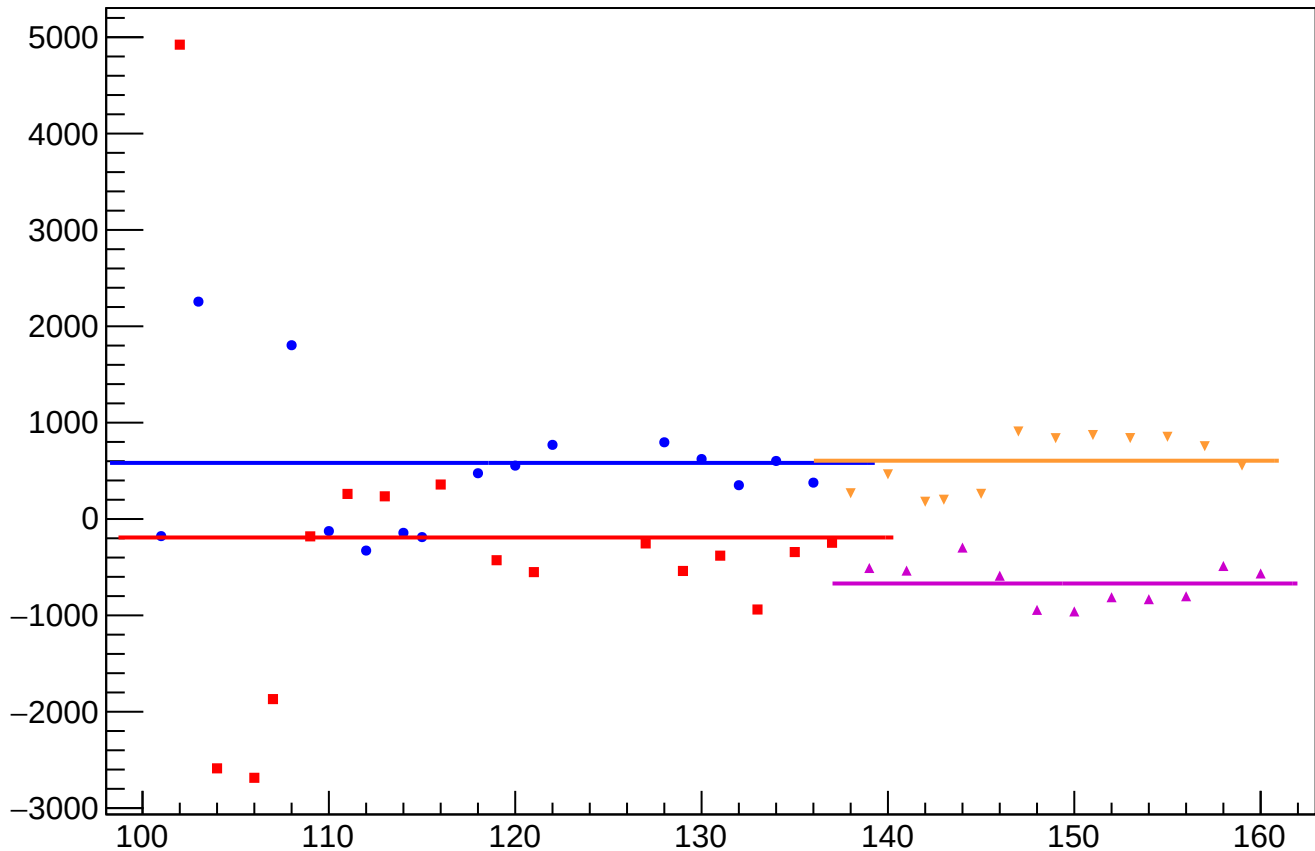
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

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

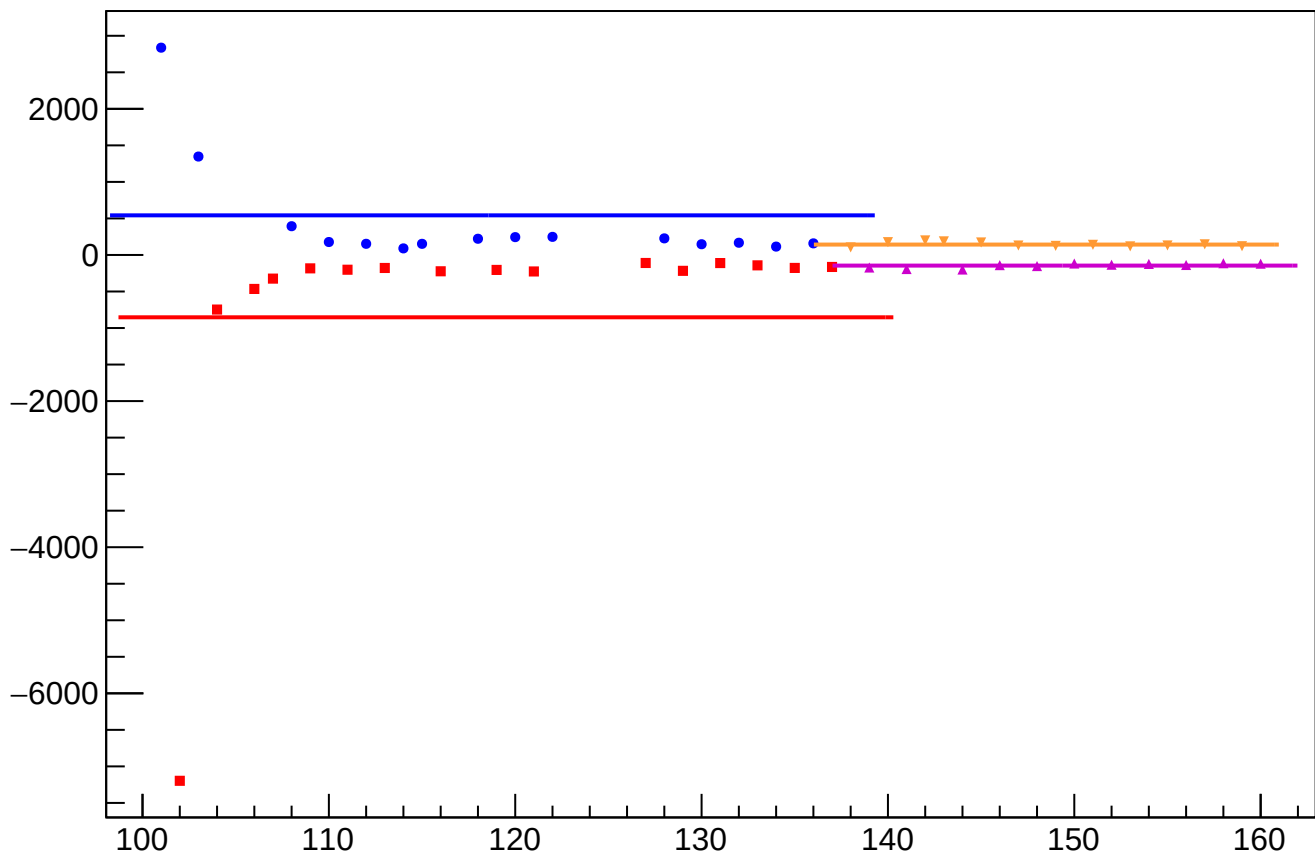
Out: 268.975+/-0.000

χ^2/NDF : 2481404905102664

All: 58.630+/-0.000

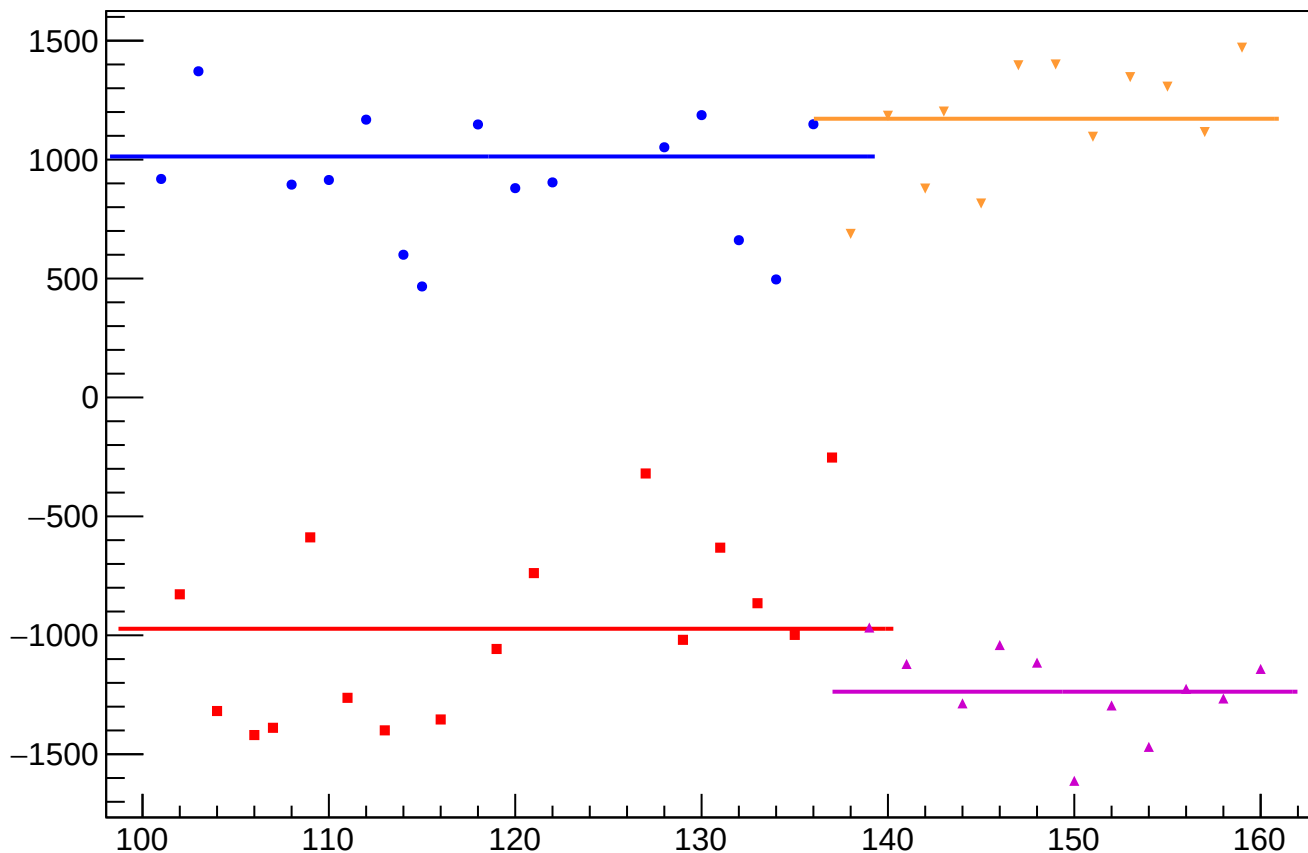
χ^2/NDF : 3597086809072

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



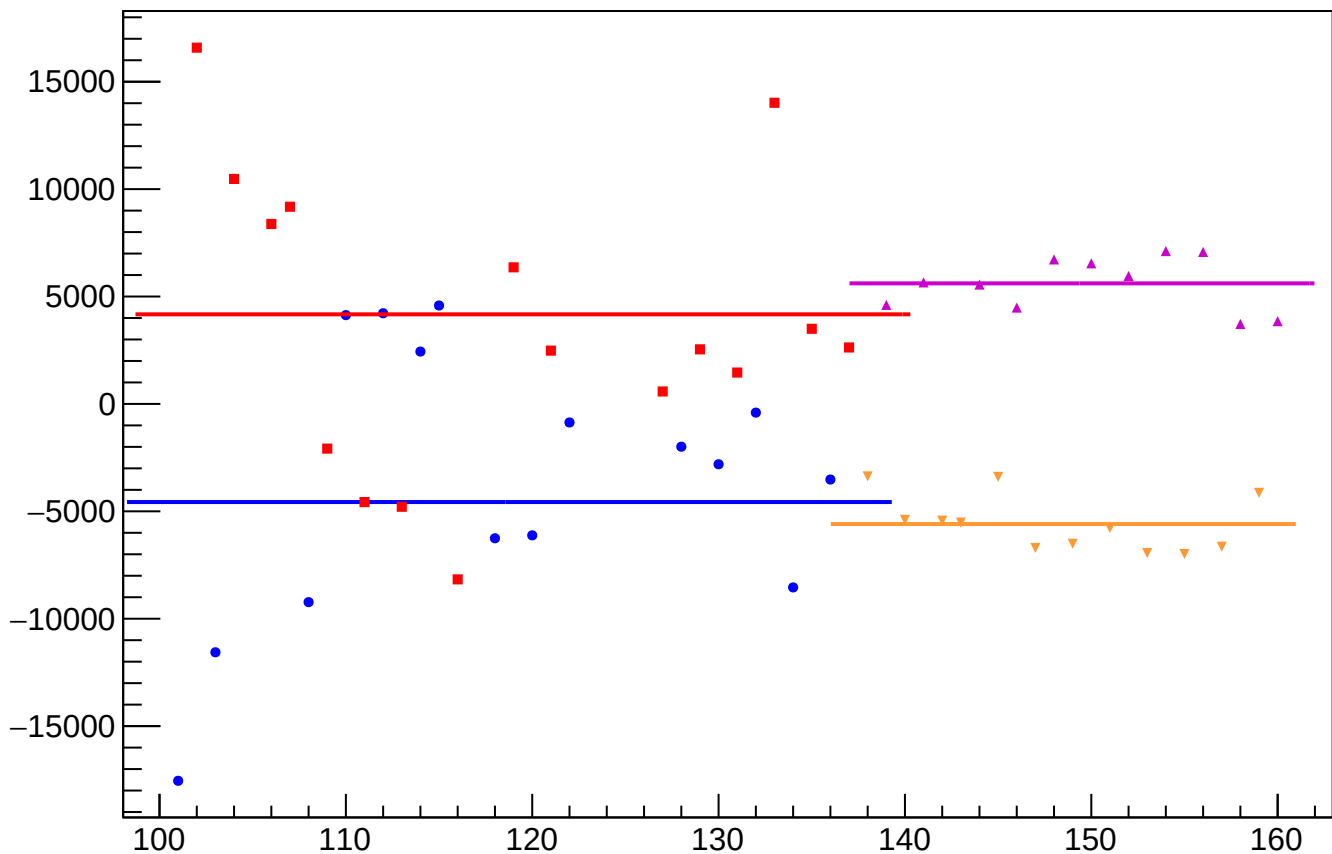
Right In: 542.328+/-0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Left Out: 142.333+/-0.000 χ^2/NDF : 699754234994212847043453967042347008.0/11
 Right Out: -853.203+/-0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Left In: -145.502+/-0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.218+/-0.000 χ^2/NDF : 368889410963

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297+/-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

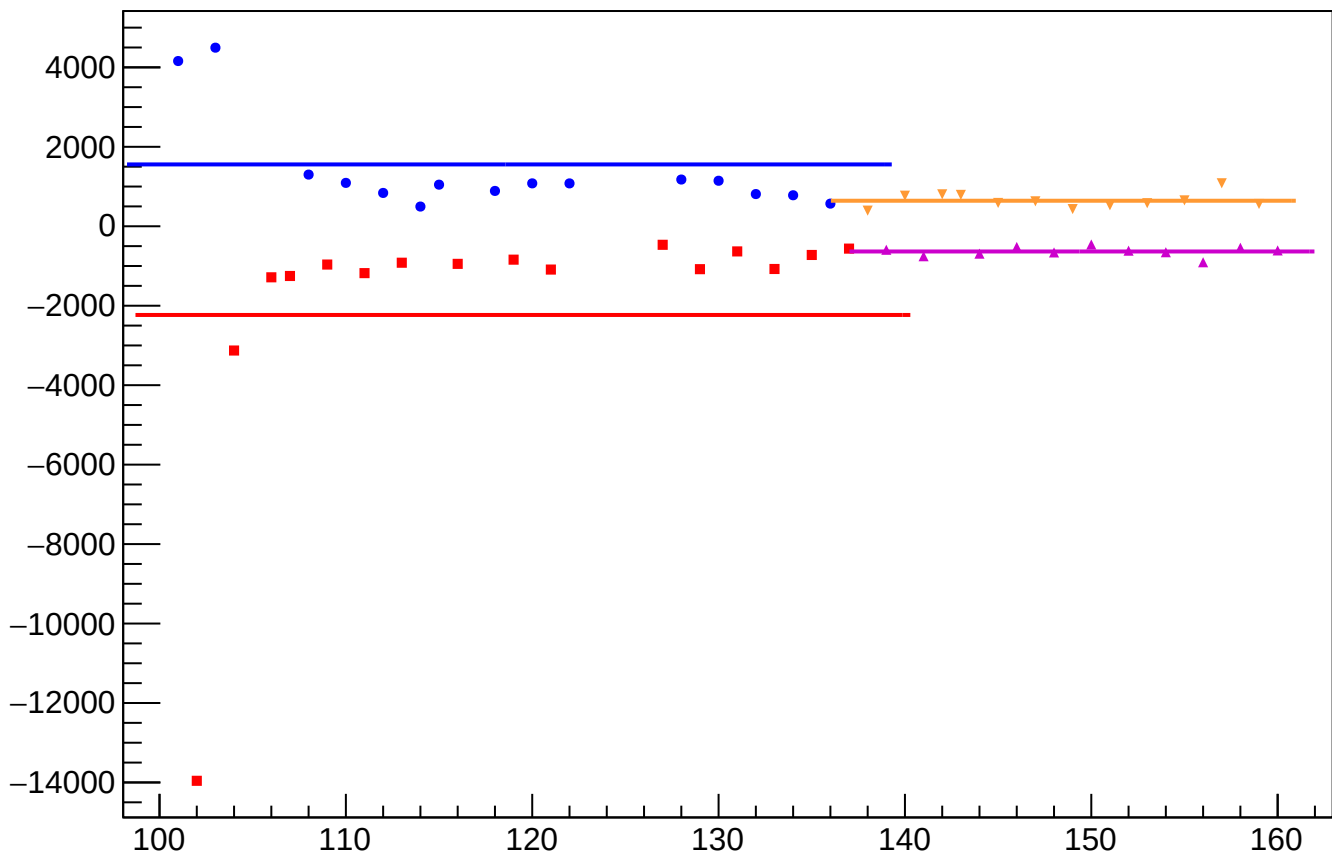
Right: -138.996+/-0.000 χ^2/NDF : 80283768430562

In: 1412.339+/-0.000 χ^2/NDF : 6498537450862054

Out: -1473.440+/-0.000 χ^2/NDF : 69224914404037

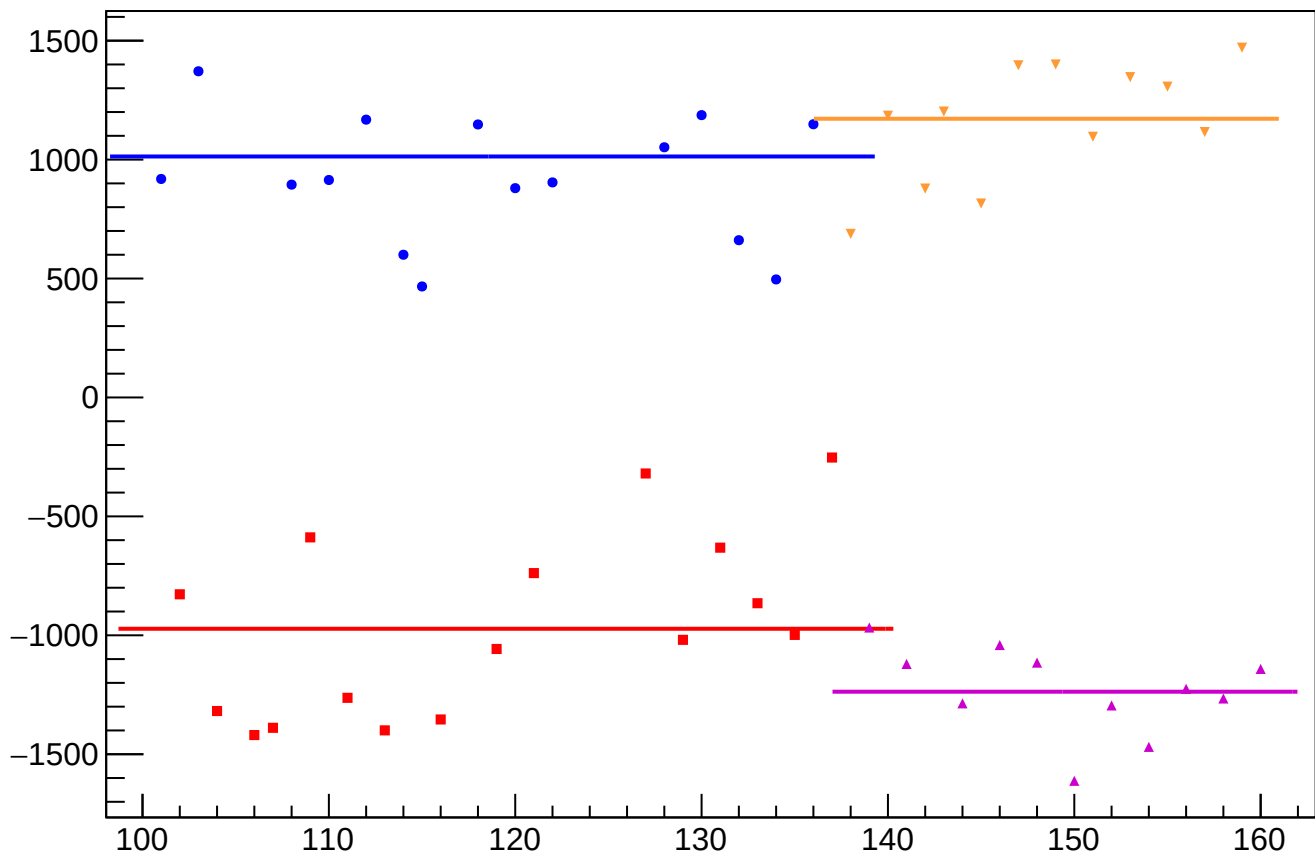
All: -34.210+/-0.000 χ^2/NDF : 140776657149

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



Left: 0.564 +/- 0.000 χ^2/NDF : 791773878076069145
 Right: -363.793 +/- 0.000 χ^2/NDF : 14852877470384
 In: 269.551 +/- 0.000 χ^2/NDF : 2982307306619134
 Out: -570.347 +/- 0.000 χ^2/NDF : 122079278406858
 All: -151.463 +/- 0.000 χ^2/NDF : 15746462164

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

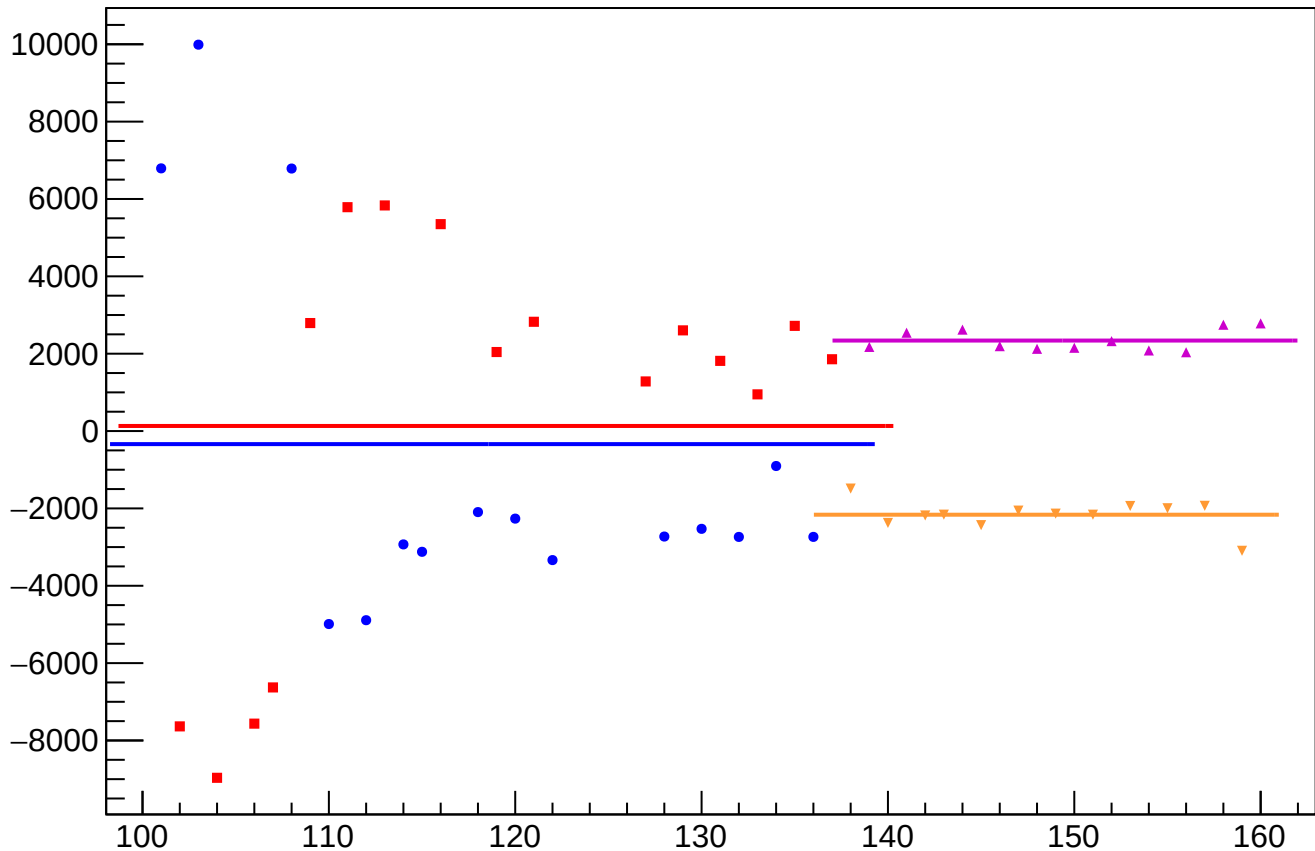
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865+/-0.000

χ^2/NDF : 15152515933007079891661097940762081886208.0/14

Left Out: -2162.857+/-0.000

χ^2/NDF : 126332275232930257638482620391759020032.0/11

Right Out: 131.545+/-0.000

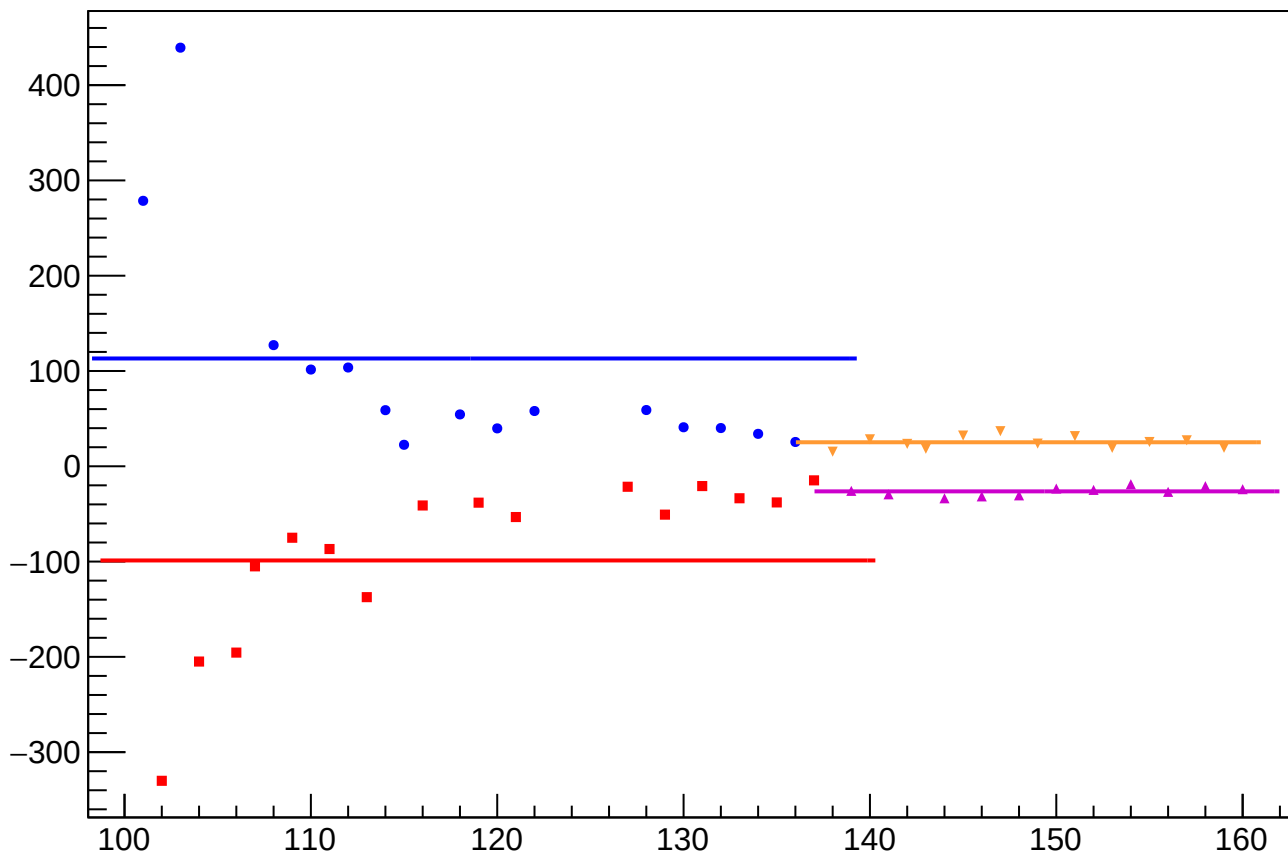
χ^2/NDF : 16473217651078877976377424419956902068224.0/15

Left In: 2339.639+/-0.000

χ^2/NDF : 62860144247456957543810906284181422080.0/10

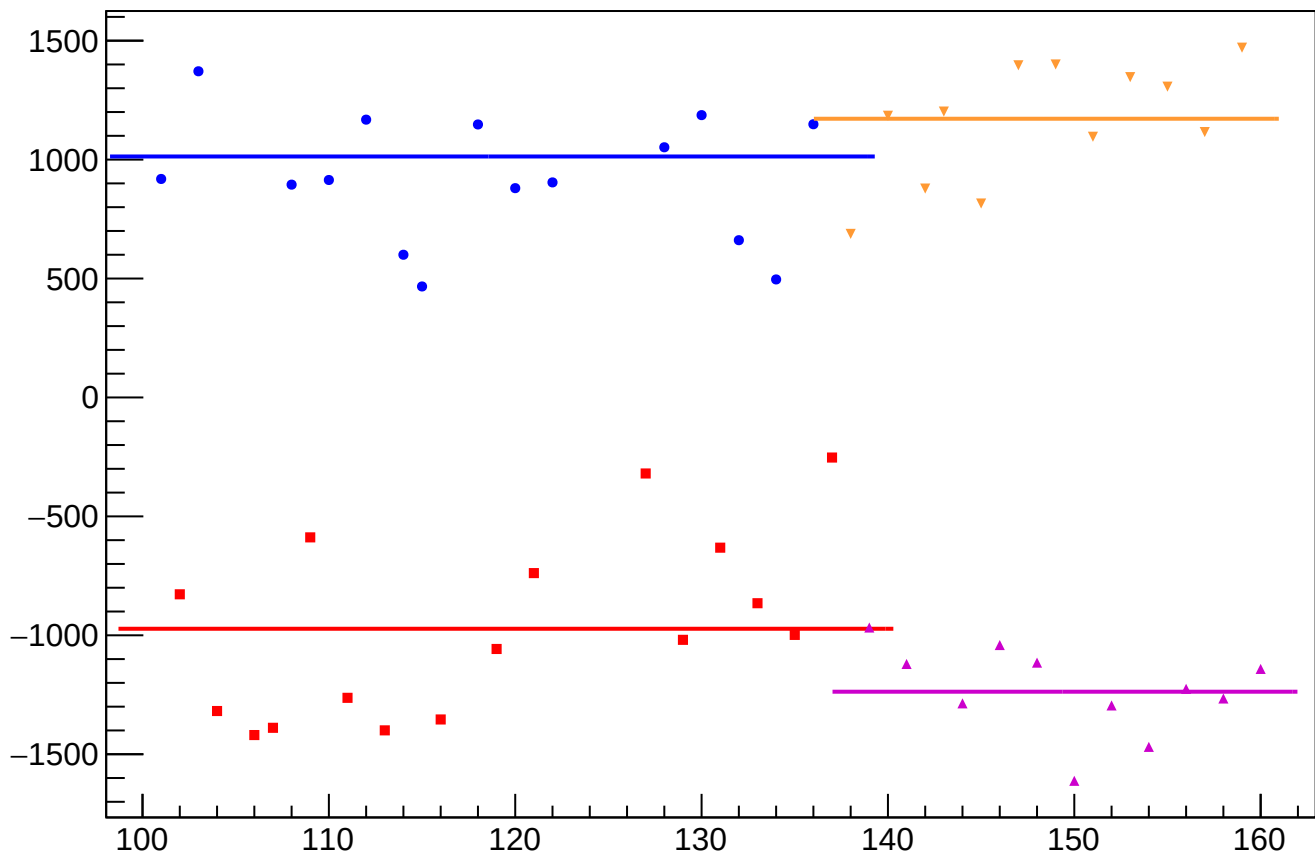
All: 16.944+/-0.000 χ^2/NDF : 4123318495094

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



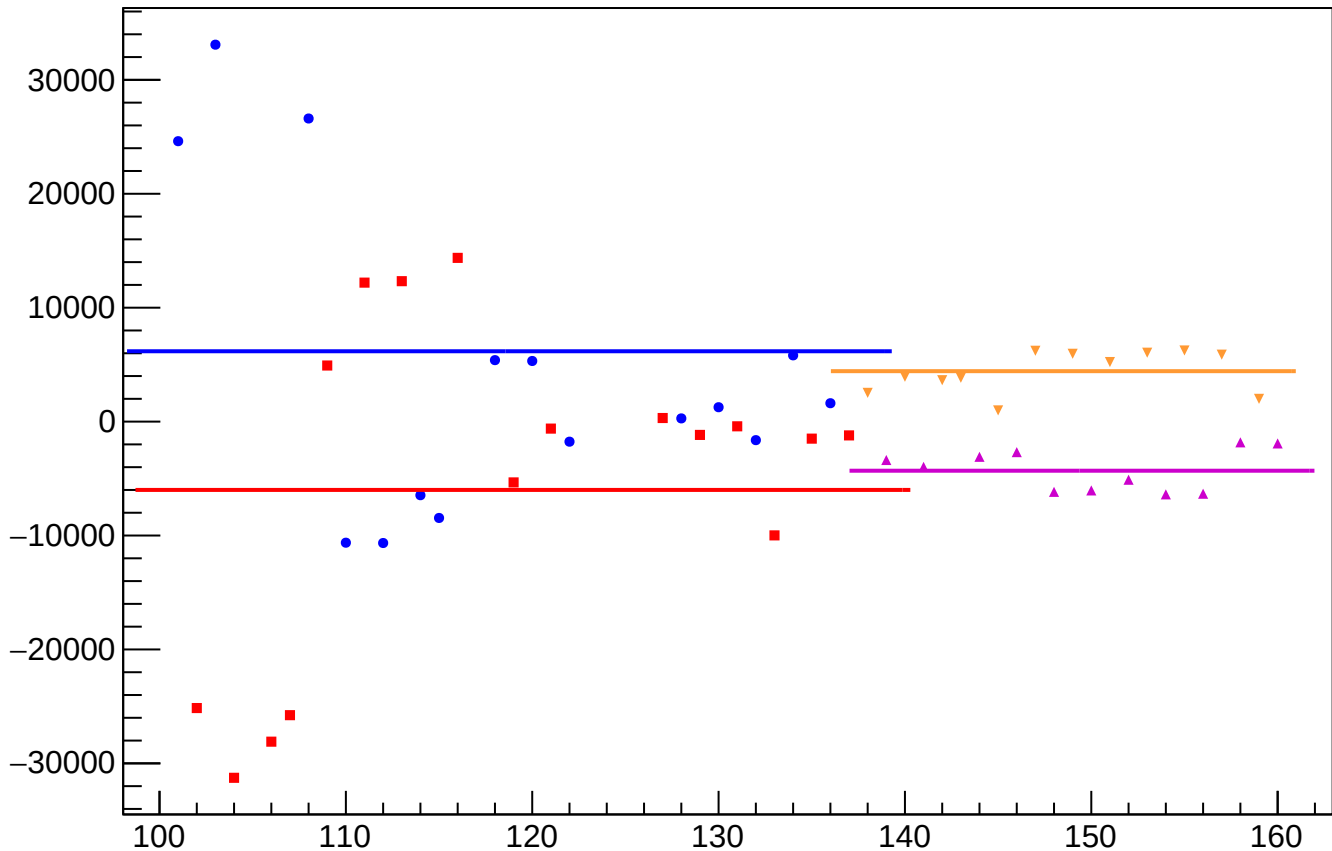
Left: -0.703 +/- 0.000 χ^2/NDF : 12737969644467641
 Right In: 113.134 +/- 0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14
 Right: 5.701 +/- 0.000 χ^2/NDF : 30279176036436111
 Left Out: 25.204 +/- 0.000 χ^2/NDF : 35340998729966912863138320392126464.0/11
 In: 31.211 +/- 0.000 χ^2/NDF : 174228215351618200
 Right Out: -98.833 +/- 0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15
 Out: -27.125 +/- 0.000 χ^2/NDF : 1147829075591207
 Left In: -26.331 +/- 0.000 χ^2/NDF : 18142873408814573481950758043648000.0/10
 All: 1.969 +/- 0.000 χ^2/NDF : 31584425444526

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



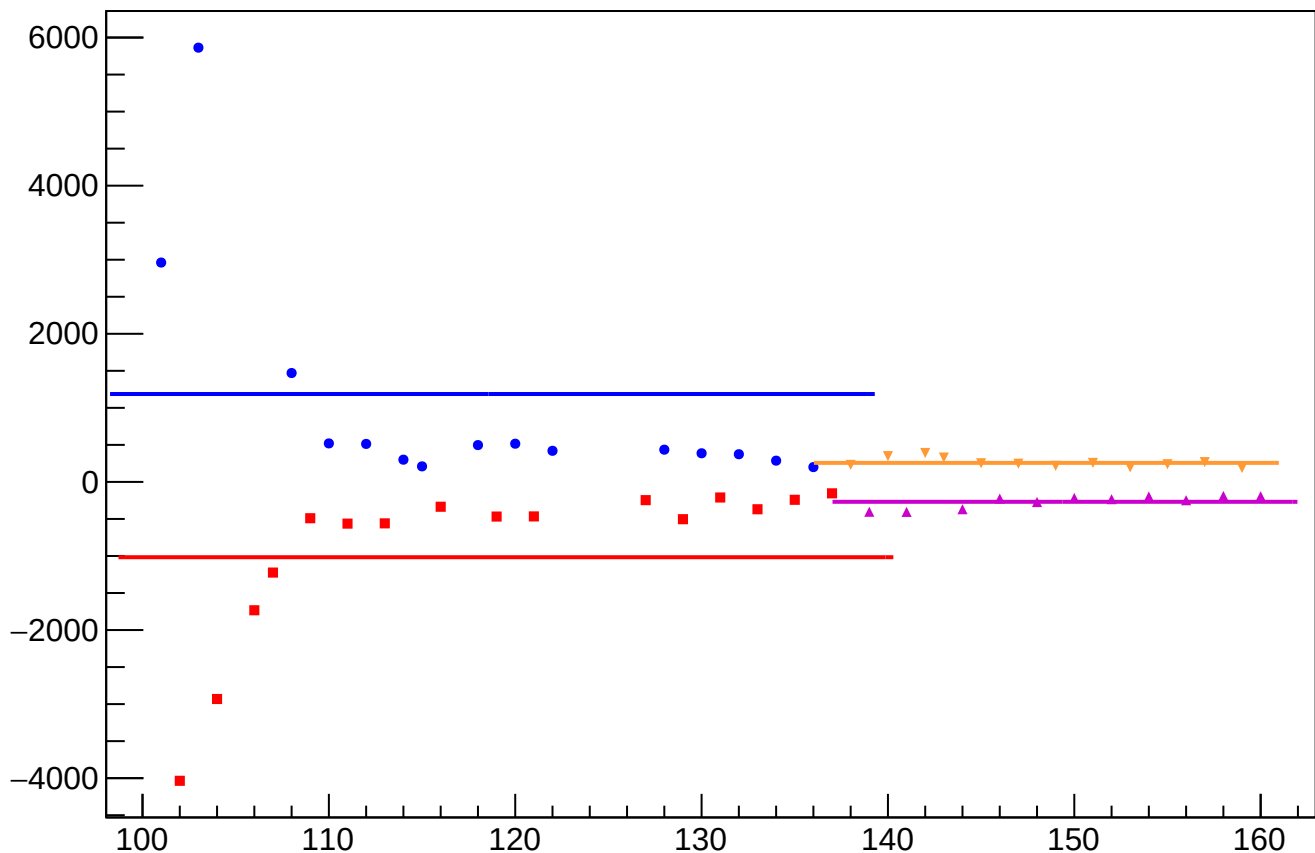
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam2_coil6_mean vs Slug, Sign Corrected



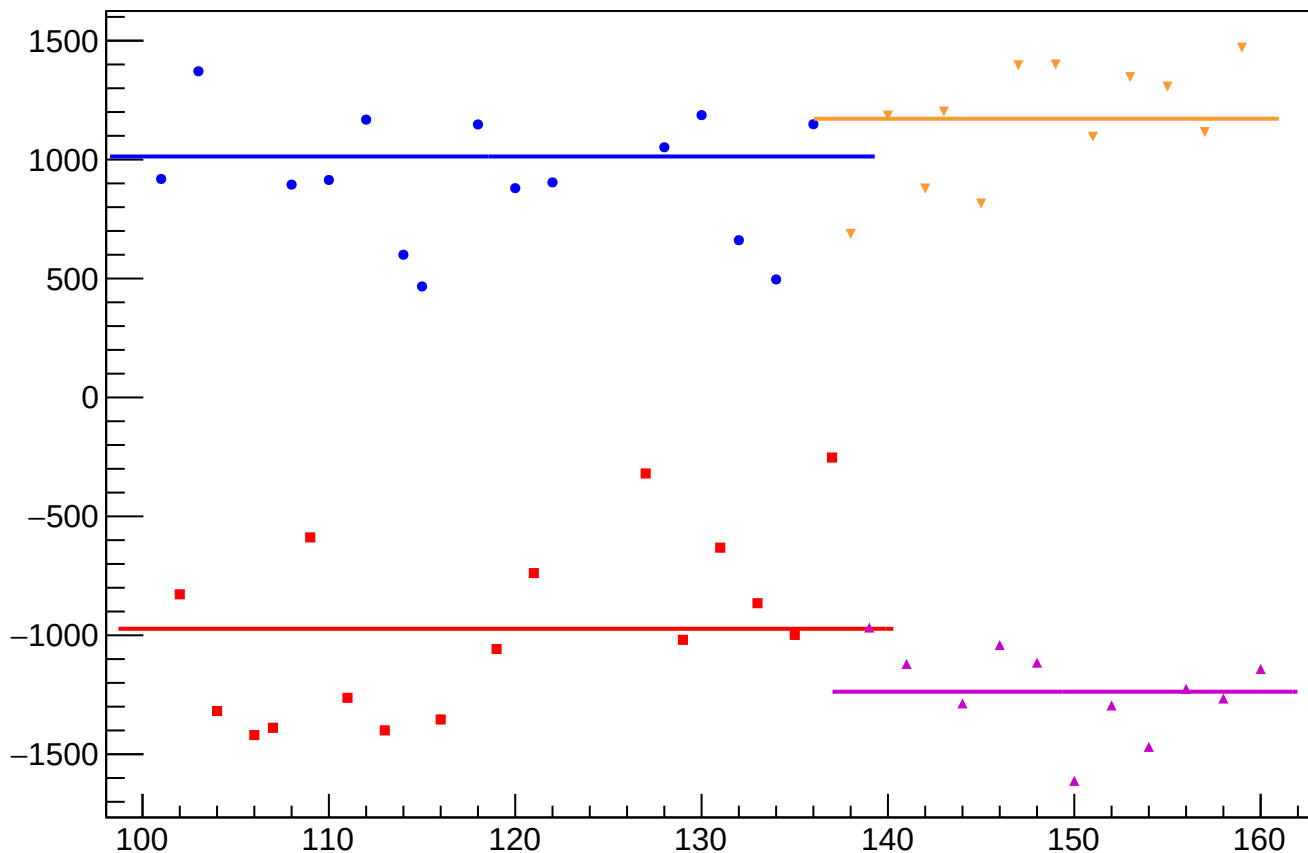
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4428.101+/-0.000 χ^2/NDF : 2900138976874387724183278190835470958592.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.962+/-0.000 χ^2/NDF : 3437312552543

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



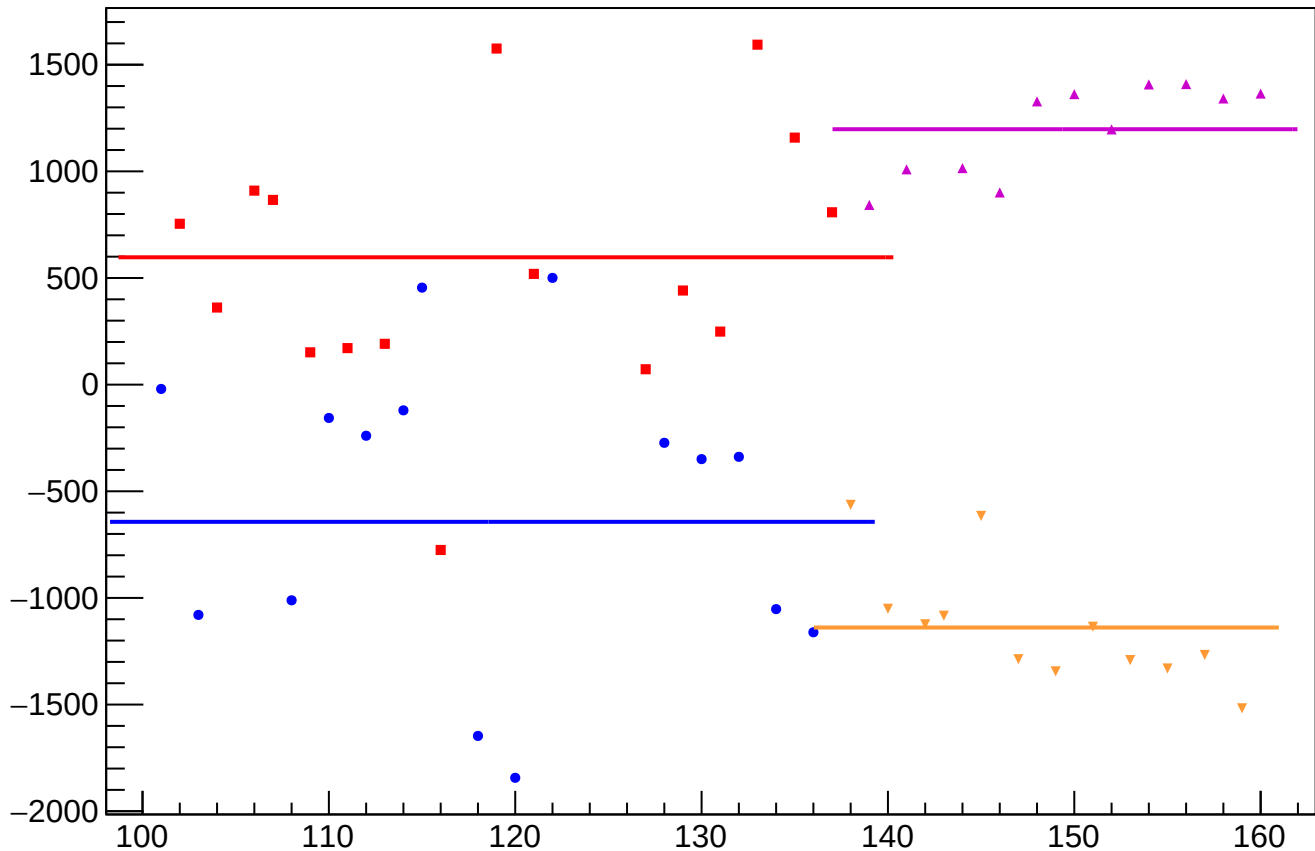
Left: -7.049 ± 0.000 $\chi^2/\text{NDF}: 13564373740521632$
 Right In: 1186.846 ± 0.000 $\chi^2/\text{NDF}: 1796463312802023303623210264680353234944.0/14$
 Left Out: 257.255 ± 0.000 $\chi^2/\text{NDF}: 2781253601465669157863687249484316672.0/11$
 Right Out: -1016.732 ± 0.000 $\chi^2/\text{NDF}: 927646003466094249558391691024825057280.0/15$
 Out: -280.221 ± 0.000 $\chi^2/\text{NDF}: 155627640866420$
 Left In: -268.493 ± 0.000 $\chi^2/\text{NDF}: 5855734975706547823556607966386847744.0/10$
 All: 25.094 ± 0.000 $\chi^2/\text{NDF}: 4461548431254$

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

Left Out: -1138.759+/-0.000

χ^2/NDF : 71006185953424254270590791718170263552.0/11

Right Out: 597.043+/-0.000

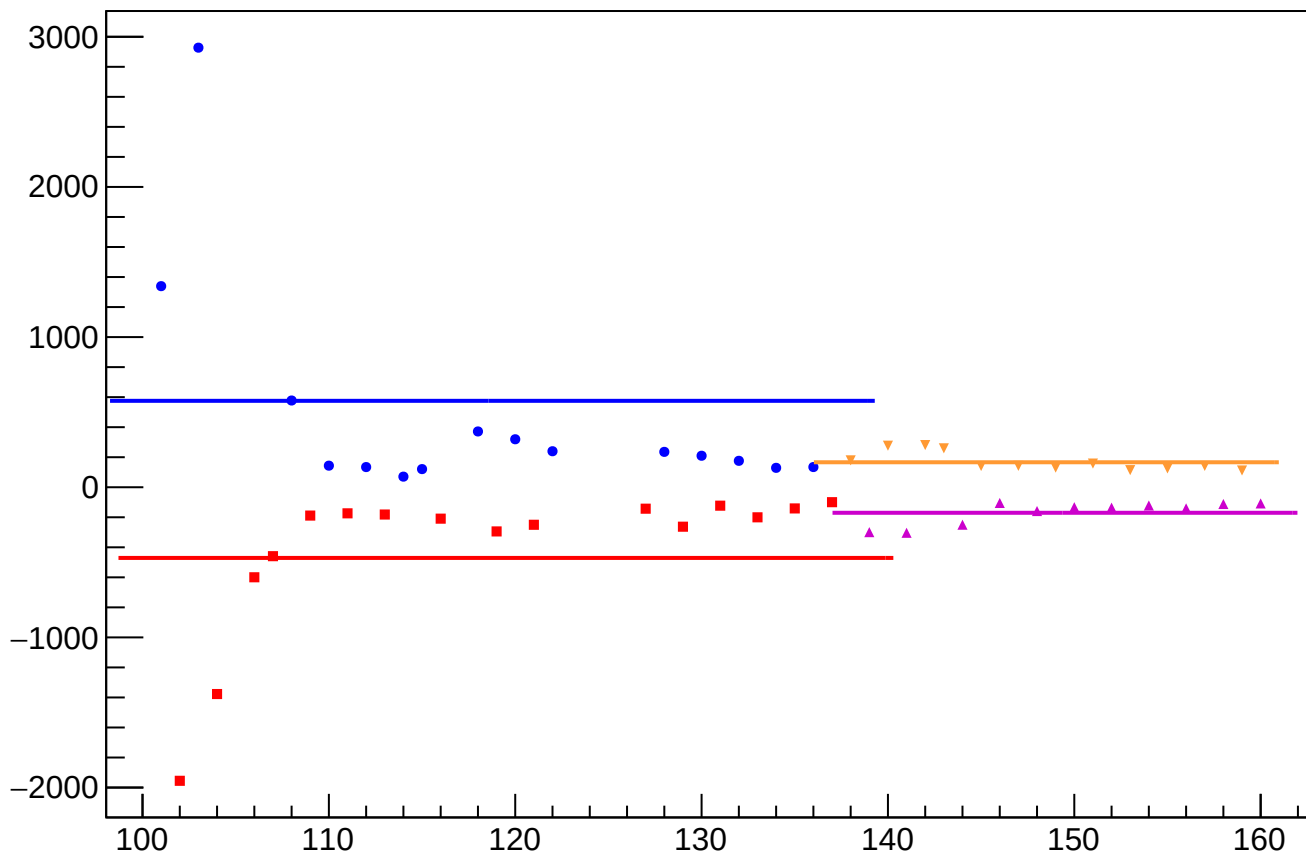
χ^2/NDF : 210733370798031449363504004319005376512.0/15

Left In: 1197.503+/-0.000

χ^2/NDF : 38624722141560961102710570239066636288.0/10

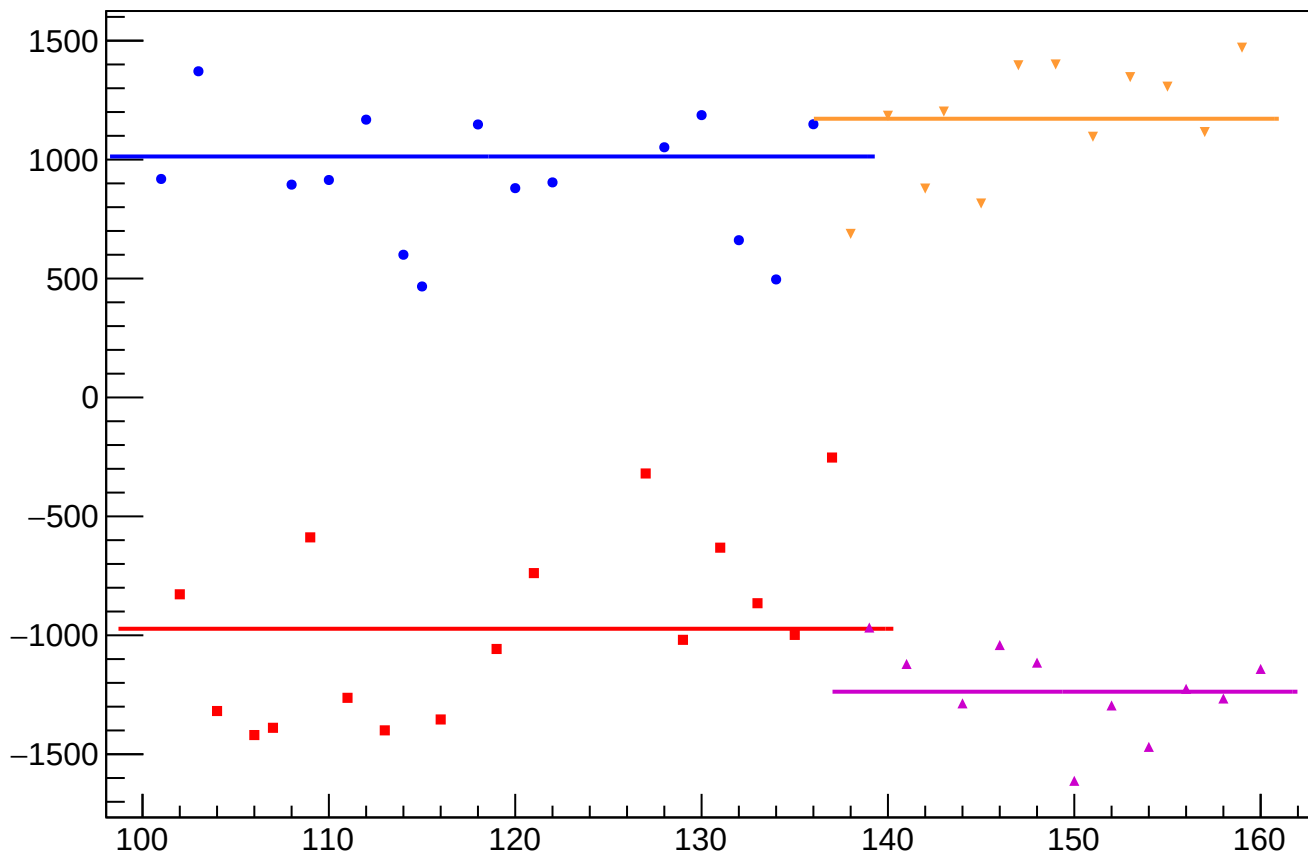
All: 14.726+/-0.000 χ^2/NDF : 3608953170188

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



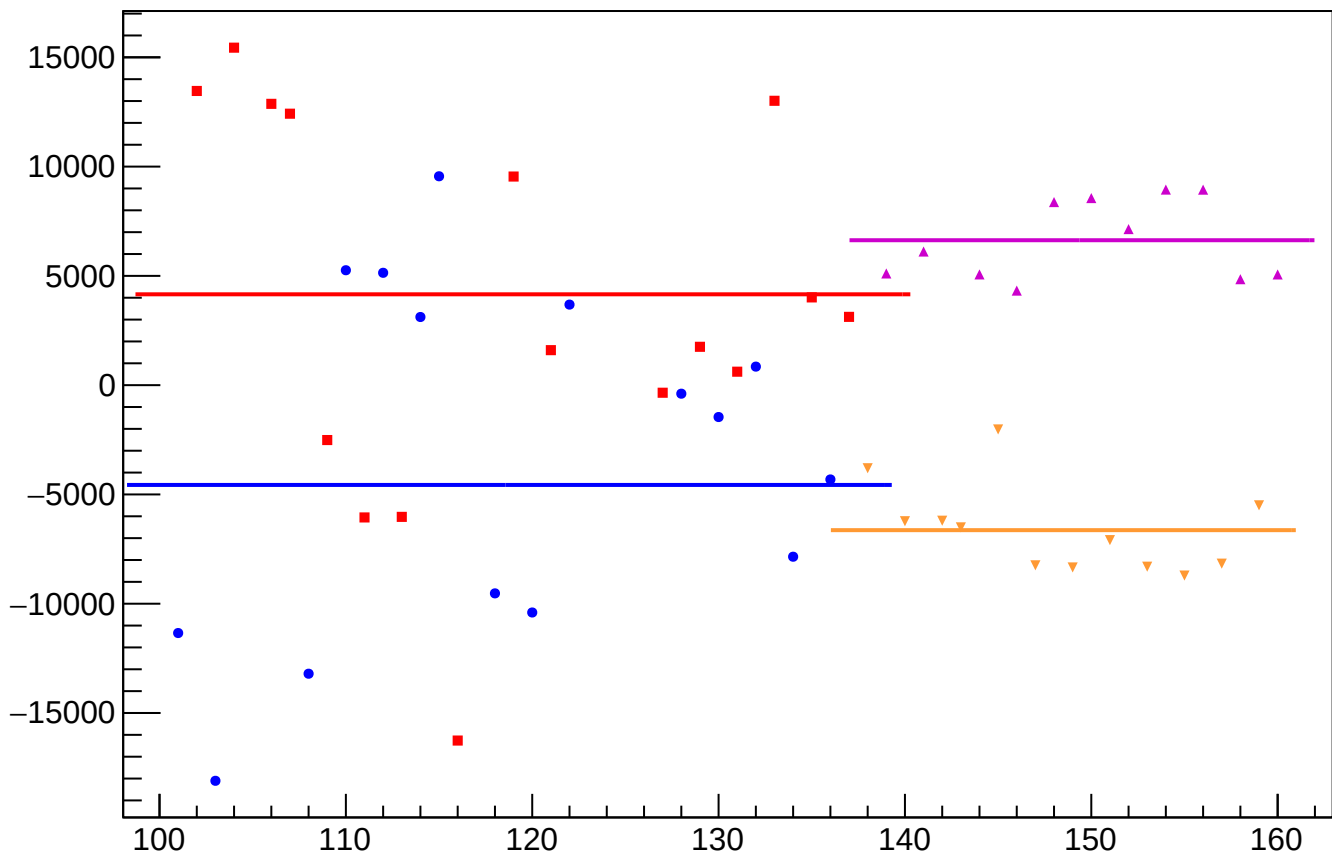
Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 166.360+/-0.000 χ^2/NDF : 3052716209295405049807129095543193600.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.262+/-0.000 χ^2/NDF : 1063737364413

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4565.412 +/- 0.000

χ^2/NDF : 35667768247432289984899042725155487875072.0/14

Left Out: -6634.457 +/- 0.000

χ^2/NDF : 3640150880403299784339543756995645407232.0/11

Right Out: 4156.859 +/- 0.000

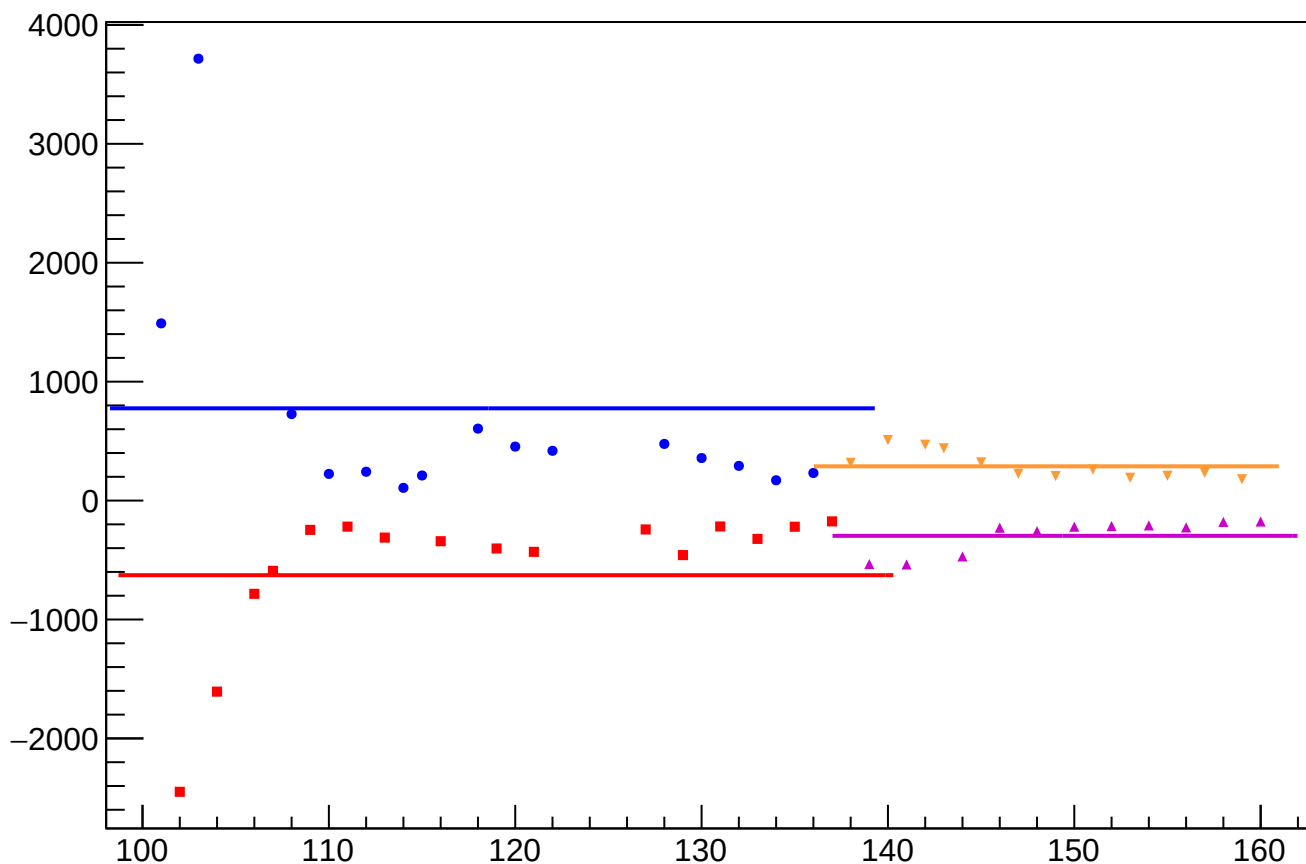
χ^2/NDF : 45539455441659927157708443099930682195968.0/15

Left In: 6631.377 +/- 0.000

χ^2/NDF : 2831140540306304869921468245145345327104.0/10

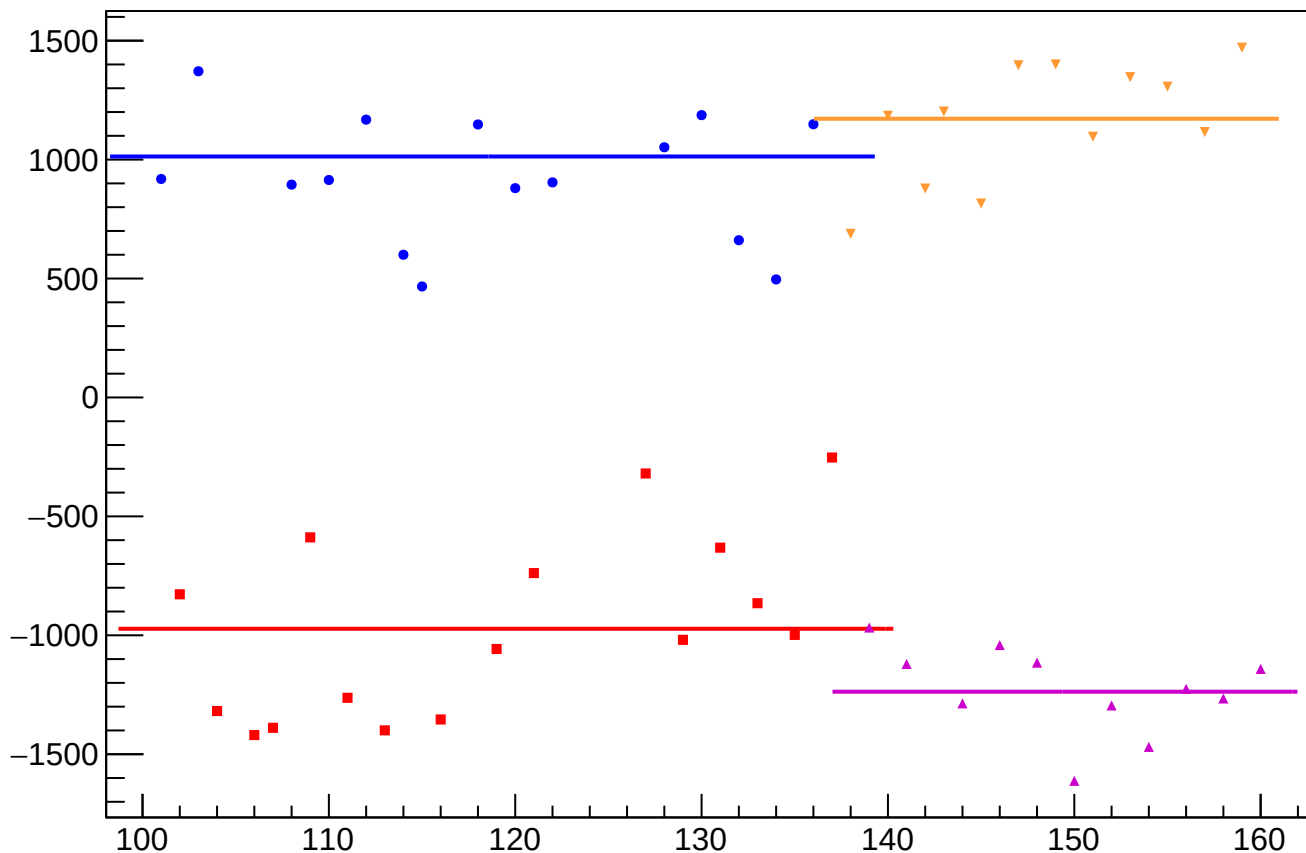
All: -40.212 +/- 0.000 χ^2/NDF : 193589617431

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



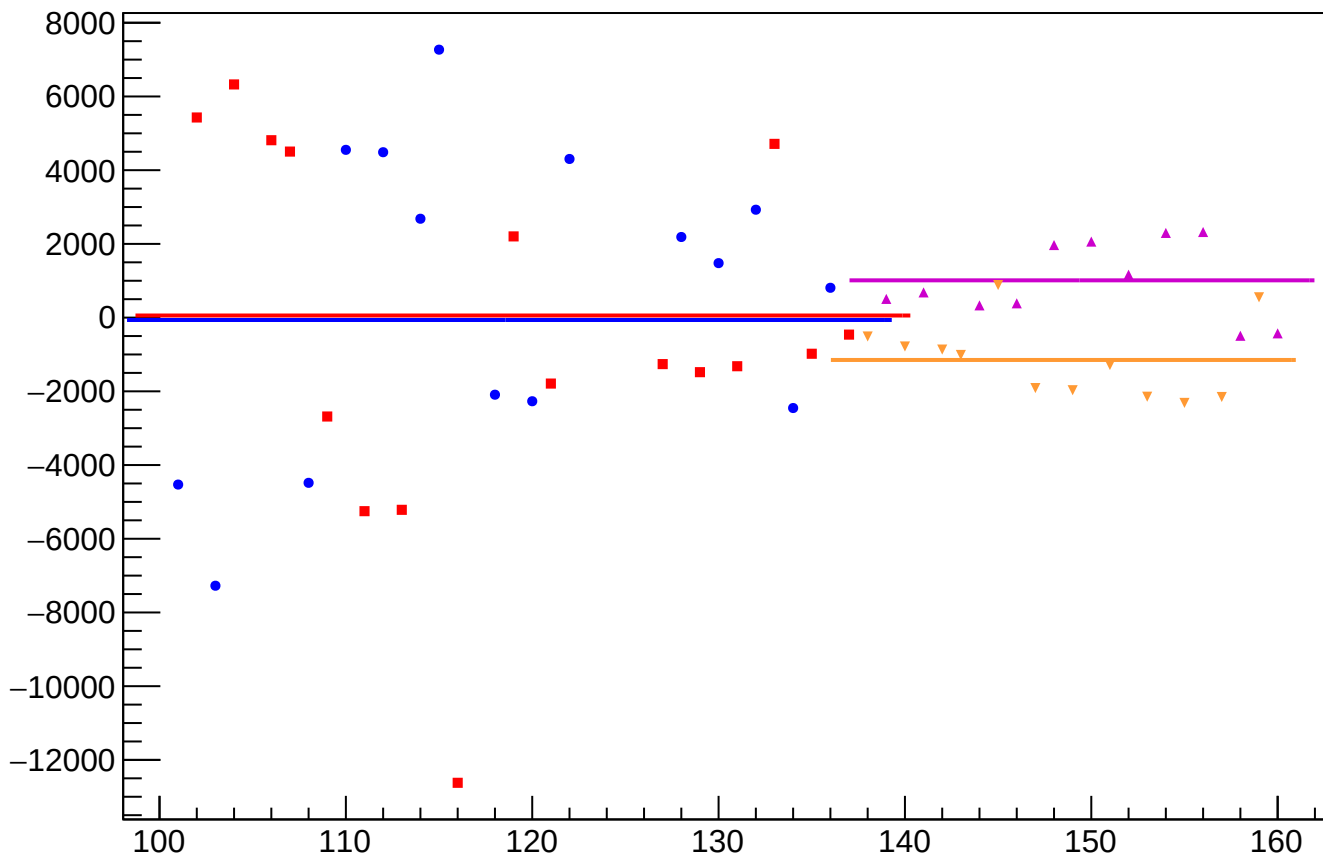
Right In: 775.824 +/- 0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Left Out: 288.226 +/- 0.000 χ^2/NDF : 10607349218435095296400376728725225472.0/11
 Right Out: -627.315 +/- 0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Left In: -296.514 +/- 0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.637 +/- 0.000 χ^2/NDF : 1775565410854

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam5_coil6_mean vs Slug, Sign Corrected



Right In: -64.751+/-0.000

χ^2/NDF : 9614223448851814191683817349989558910976.0/14

Left Out: -1149.036+/-0.000

χ^2/NDF : 977384281251527862797157265716912586752.0/11

Right Out: 57.229+/-0.000

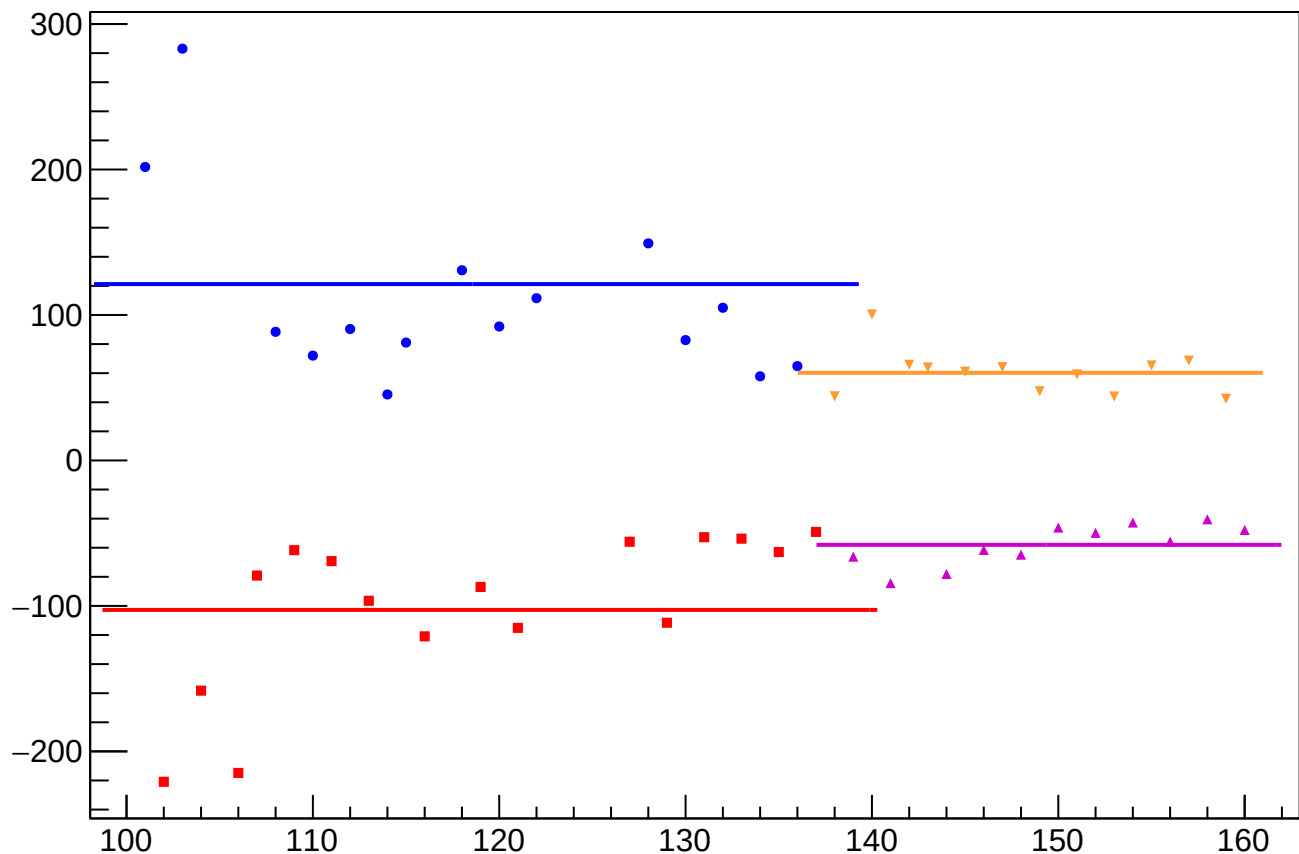
χ^2/NDF : 13780958977008702301942505454387177979904.0/15

Left In: 1011.284+/-0.000

χ^2/NDF : 903909408421874171739001543159795679232.0/10

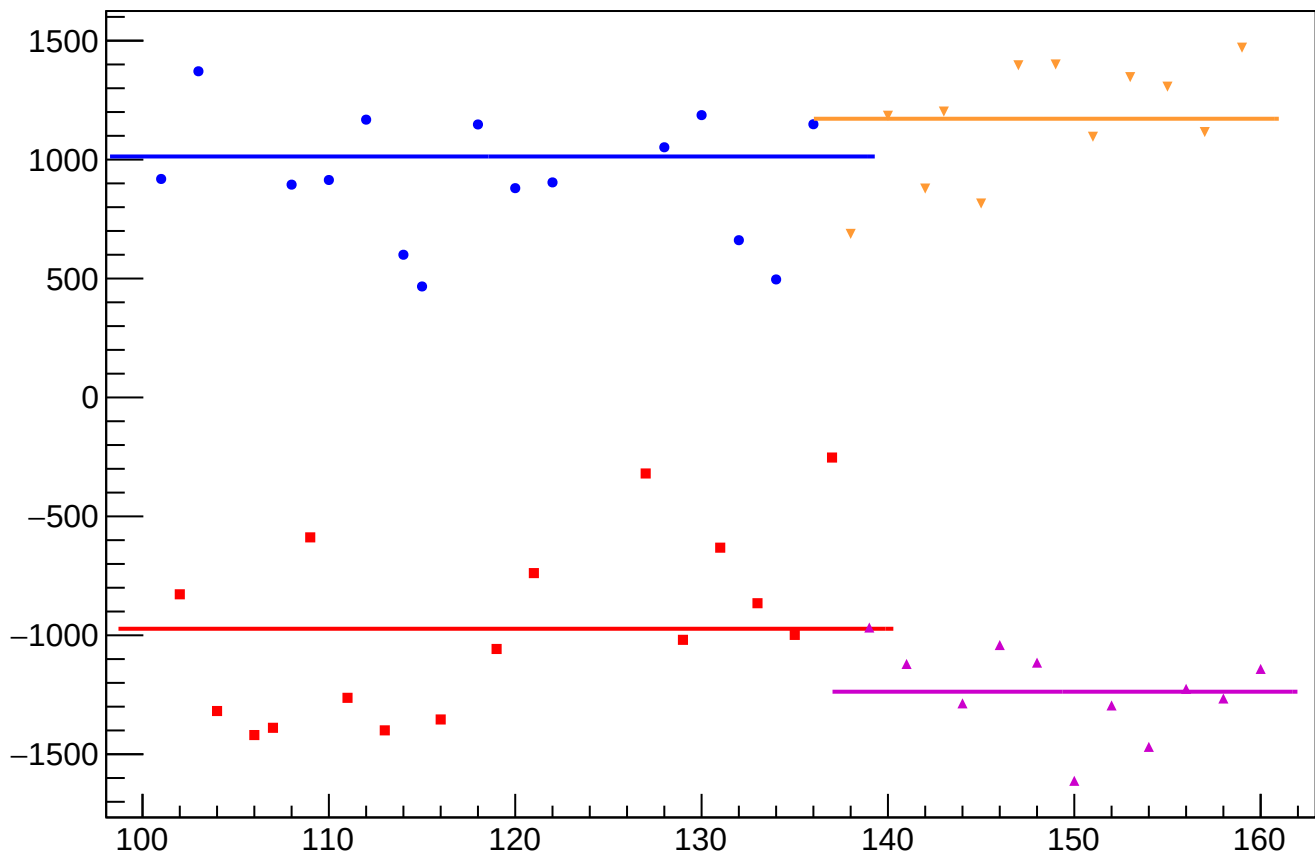
All: -37.934+/-0.000 χ^2/NDF : 274285540726

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.239+/-0.000 χ^2/NDF : 225102554491032869548797845500329984.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.678+/-0.000 χ^2/NDF : 28056421642135

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

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

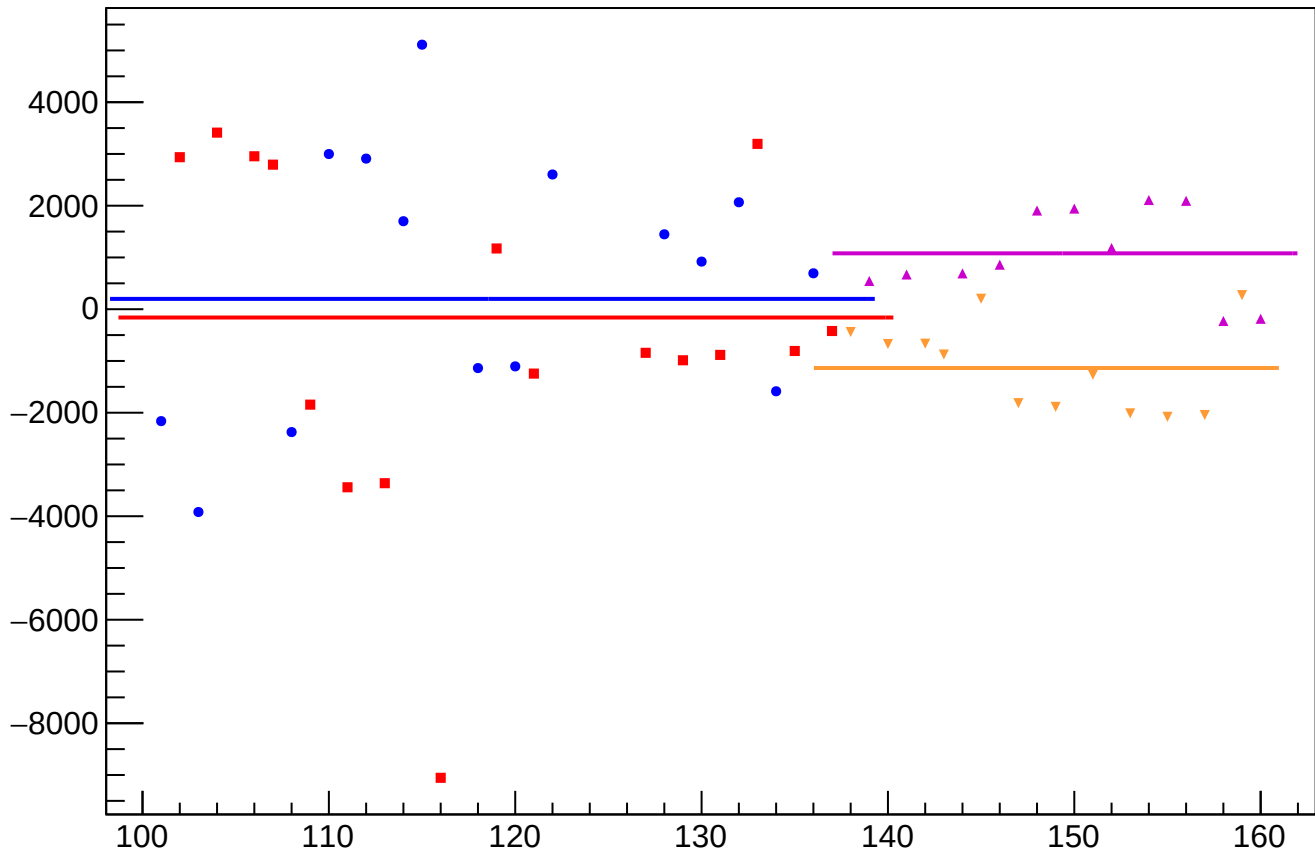
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

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

Left: -21.924+/-0.000 χ^2/NDF : 3523794568652633

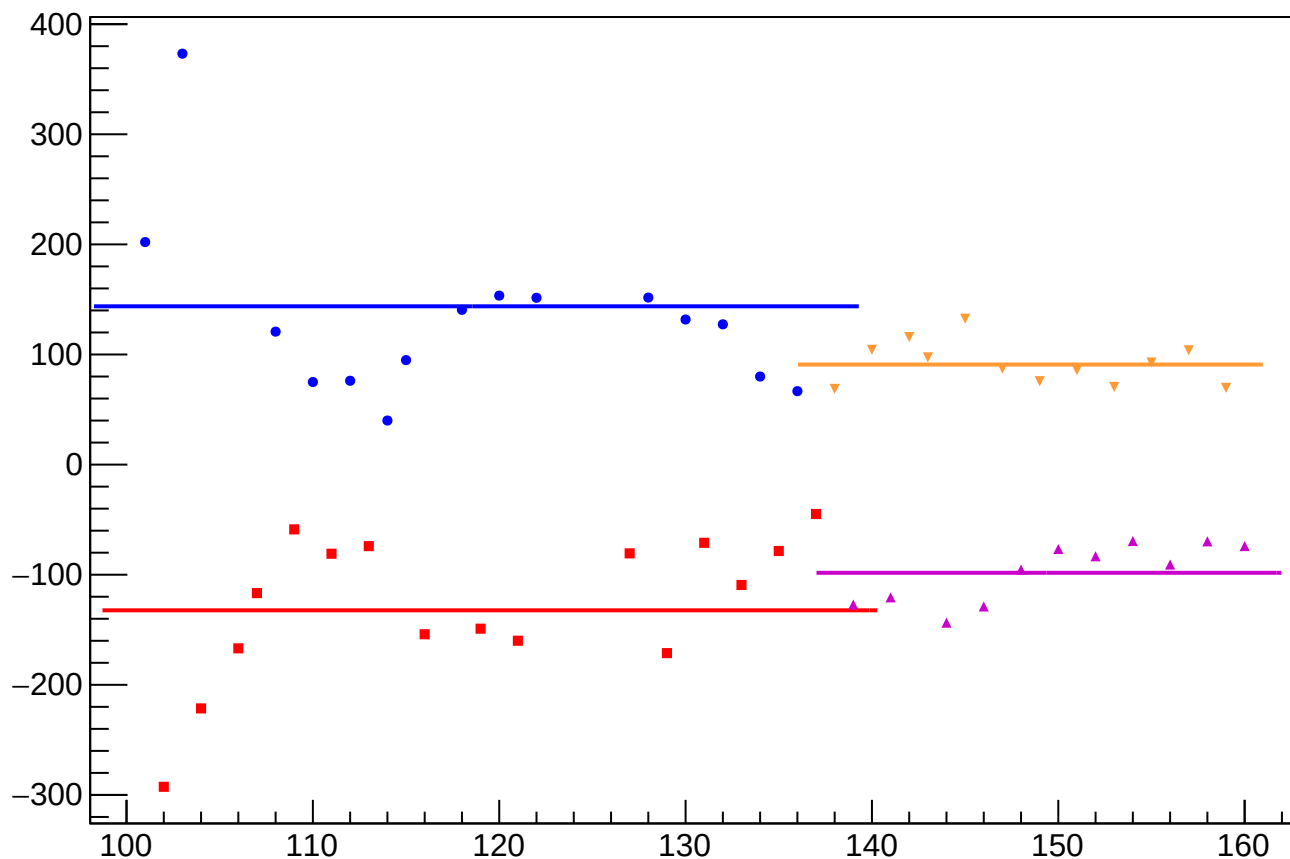
Right: 17.033+/-0.000 χ^2/NDF : 8991370549930185

In: 716.457+/-0.000 χ^2/NDF : 41781537377410598

Out: -724.141+/-0.000 χ^2/NDF : 670179463757753

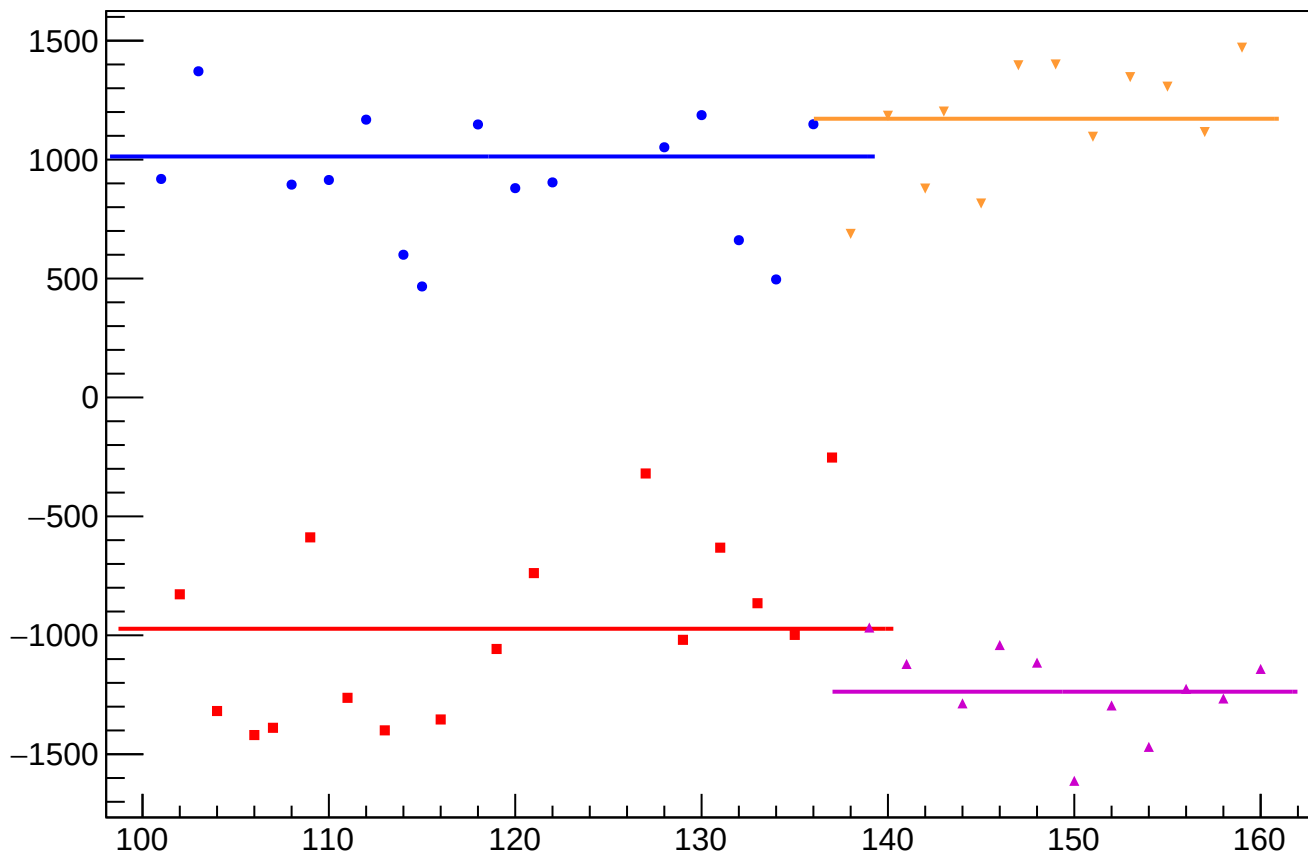
All: -5.669+/-0.000 χ^2/NDF : 1251632905272

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



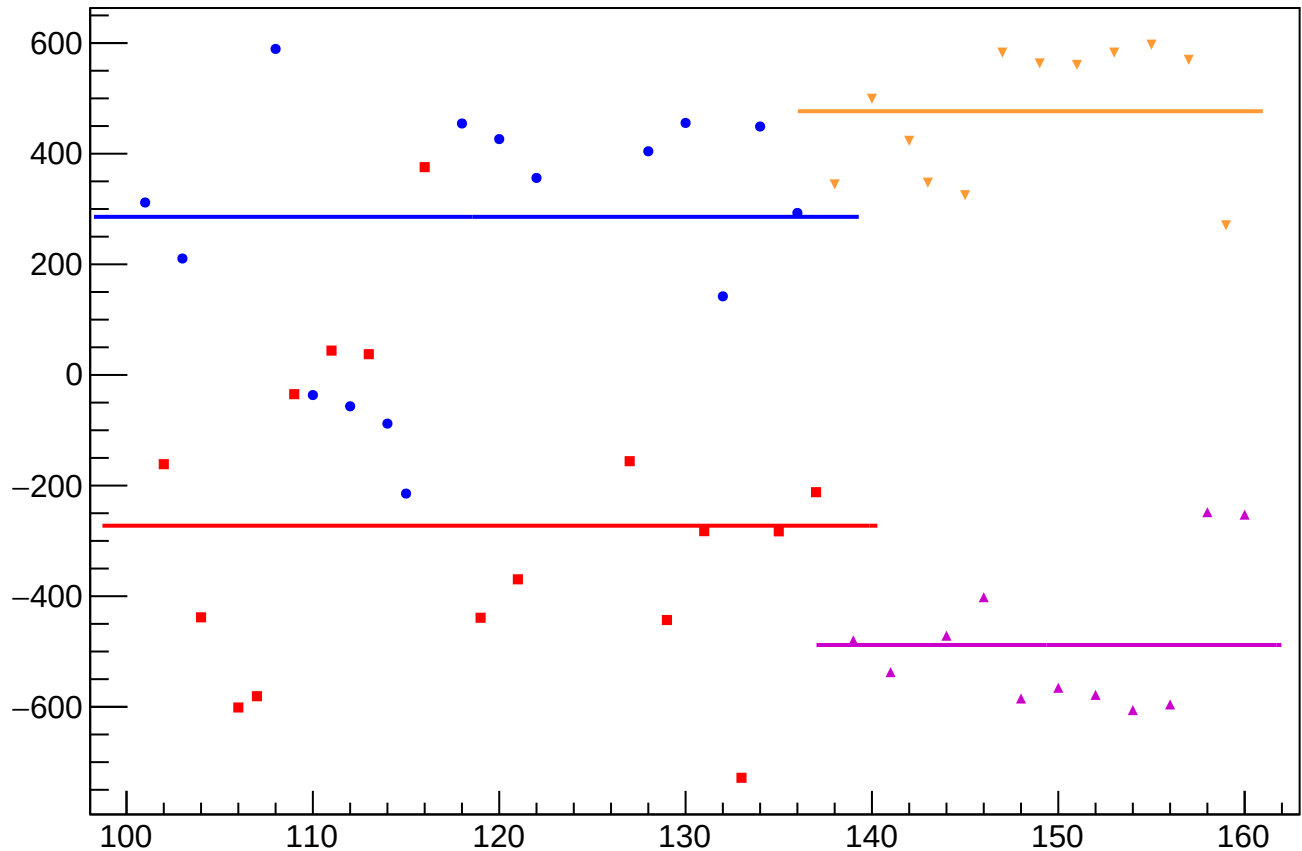
Left: -4.202+/-0.000 χ^2/NDF : 17384612750229045
 Right In: 143.764+/-0.000 χ^2/NDF : 4514785869565777849900508591821946880.0/14
 Right: 3.823+/-0.000 χ^2/NDF : 32765016379949297
 Left Out: 90.882+/-0.000 χ^2/NDF : 326242734851411629220497356388040704.0/11
 In: 1.598+/-0.000 χ^2/NDF : 2746595414560194970
 Right Out: -132.341+/-0.000 χ^2/NDF : 3174087908796245287682359914282352640.0/15
 Out: -3.293+/-0.000 χ^2/NDF : 22714212497857002
 Left In: -98.257+/-0.000 χ^2/NDF : 620993776773093393033369428470792192.0/10
 All: -0.854+/-0.000 χ^2/NDF : 5019902274084

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



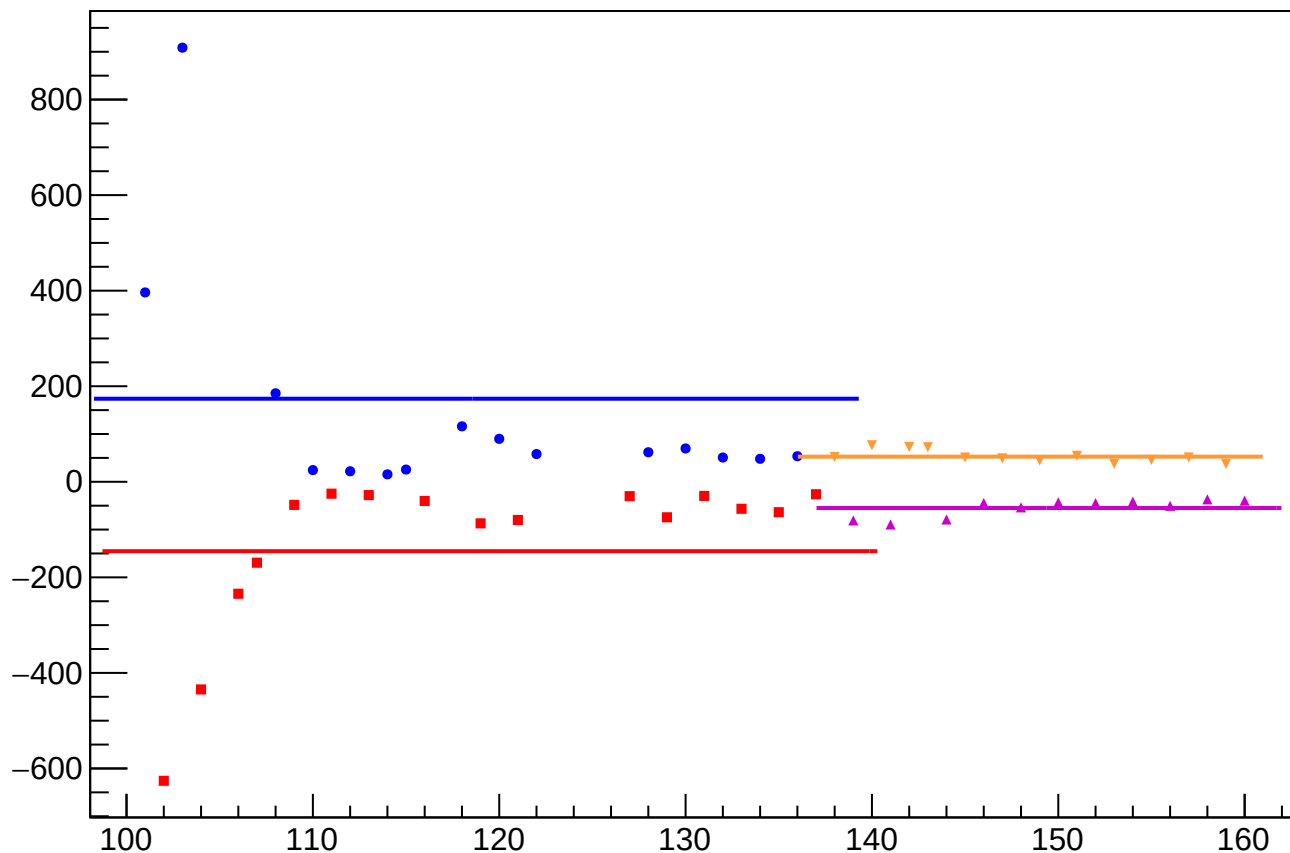
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam7_coil6_mean vs Slug, Sign Corrected



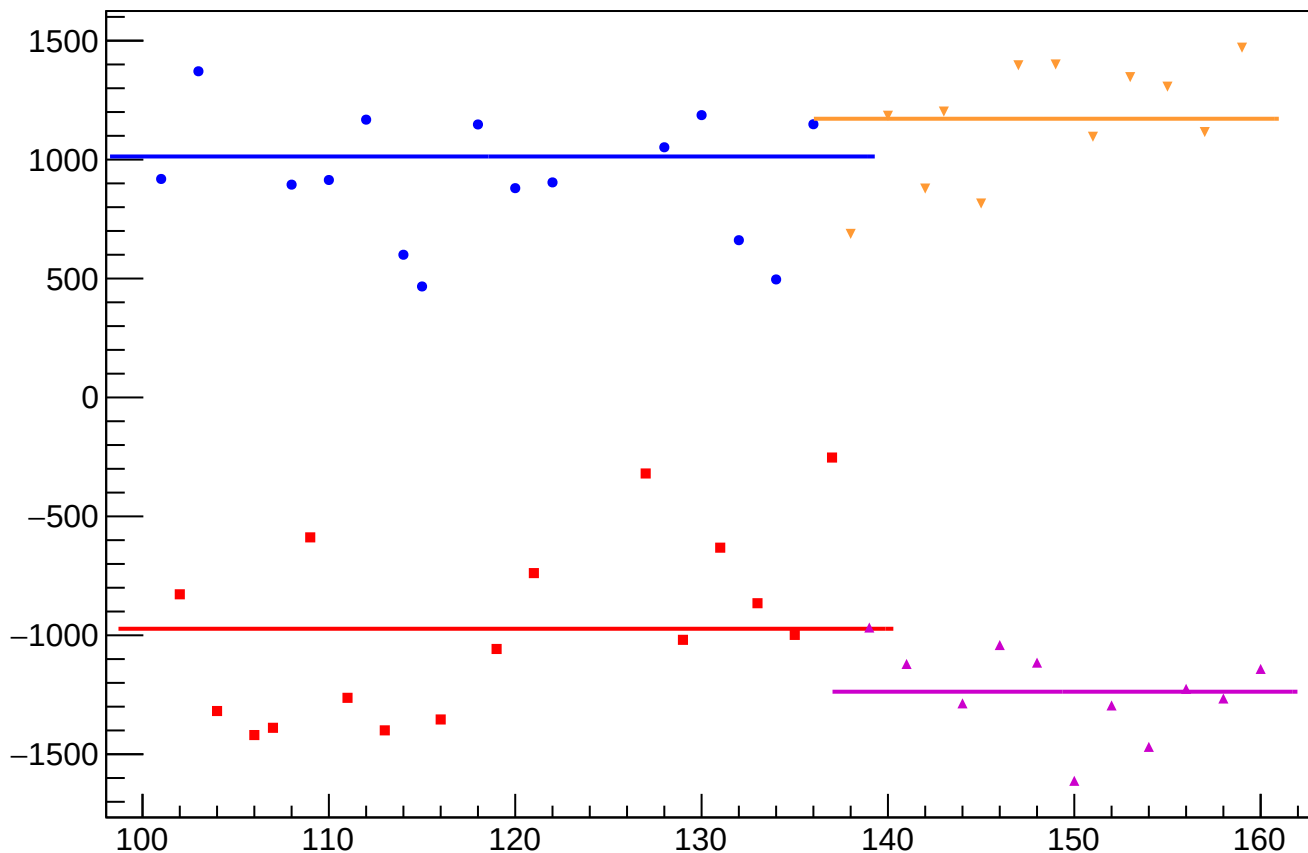
Right In: 285.856+/-0.000 χ^2/NDF : 24108244802355530064663311301086281728.0/14
 Left Out: 476.795+/-0.000 χ^2/NDF : 12695994824288000465906190934597435392.0/11
 Right Out: -272.539+/-0.000 χ^2/NDF : 44149952665075593650338713333575712768.0/15
 Left In: -488.203+/-0.000 χ^2/NDF : 13828831980358883653289432391973076992.0/10
 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

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

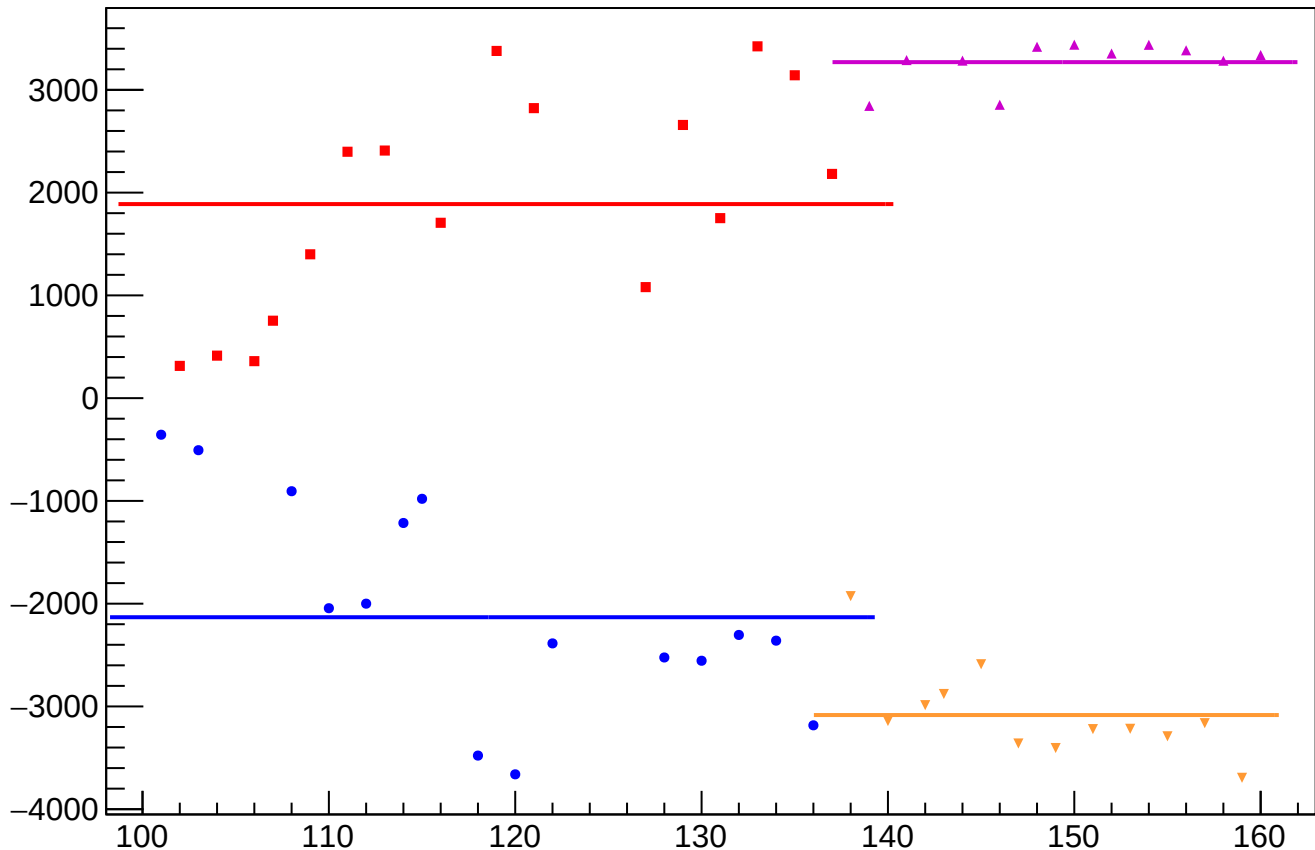
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

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_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

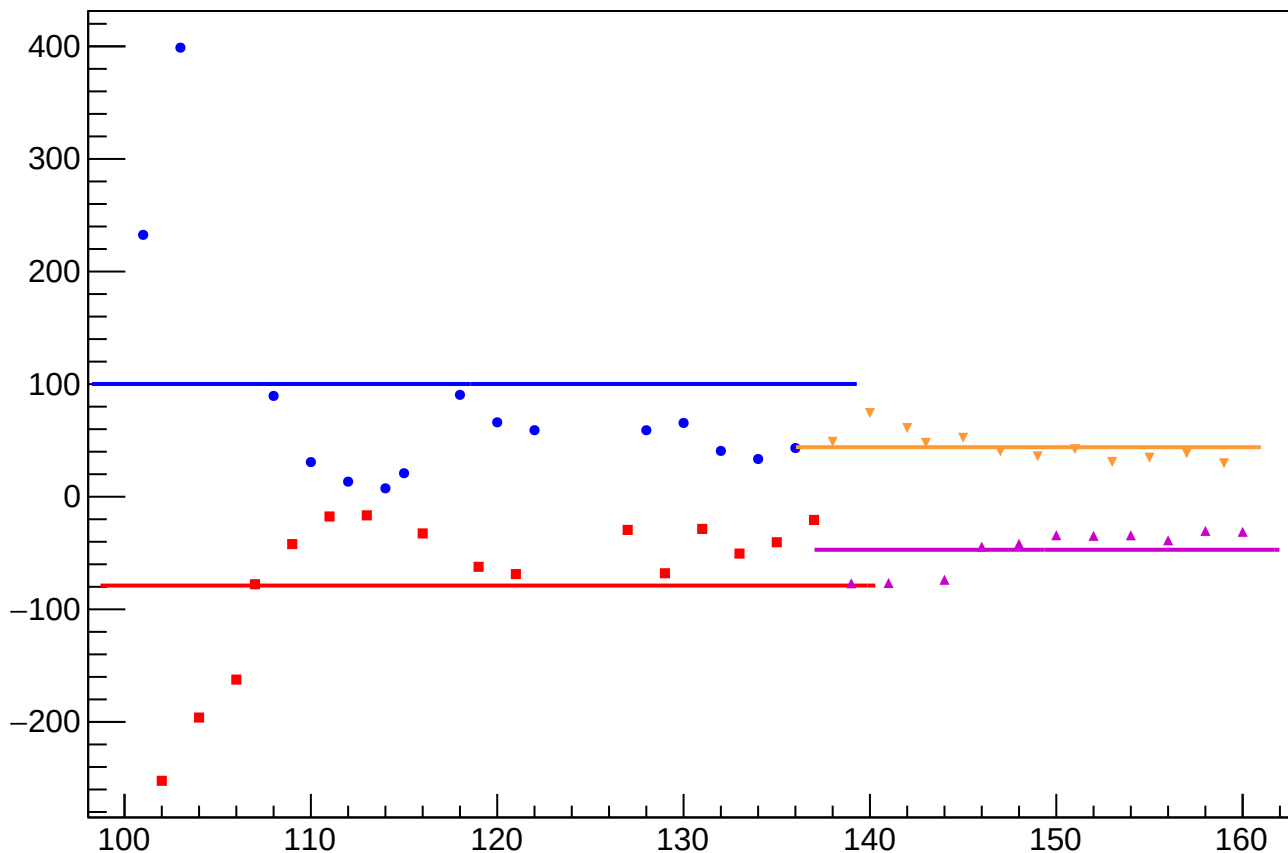
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 1188405782367471

Out: -986.042+/-0.000 χ^2/NDF : 105033900940683

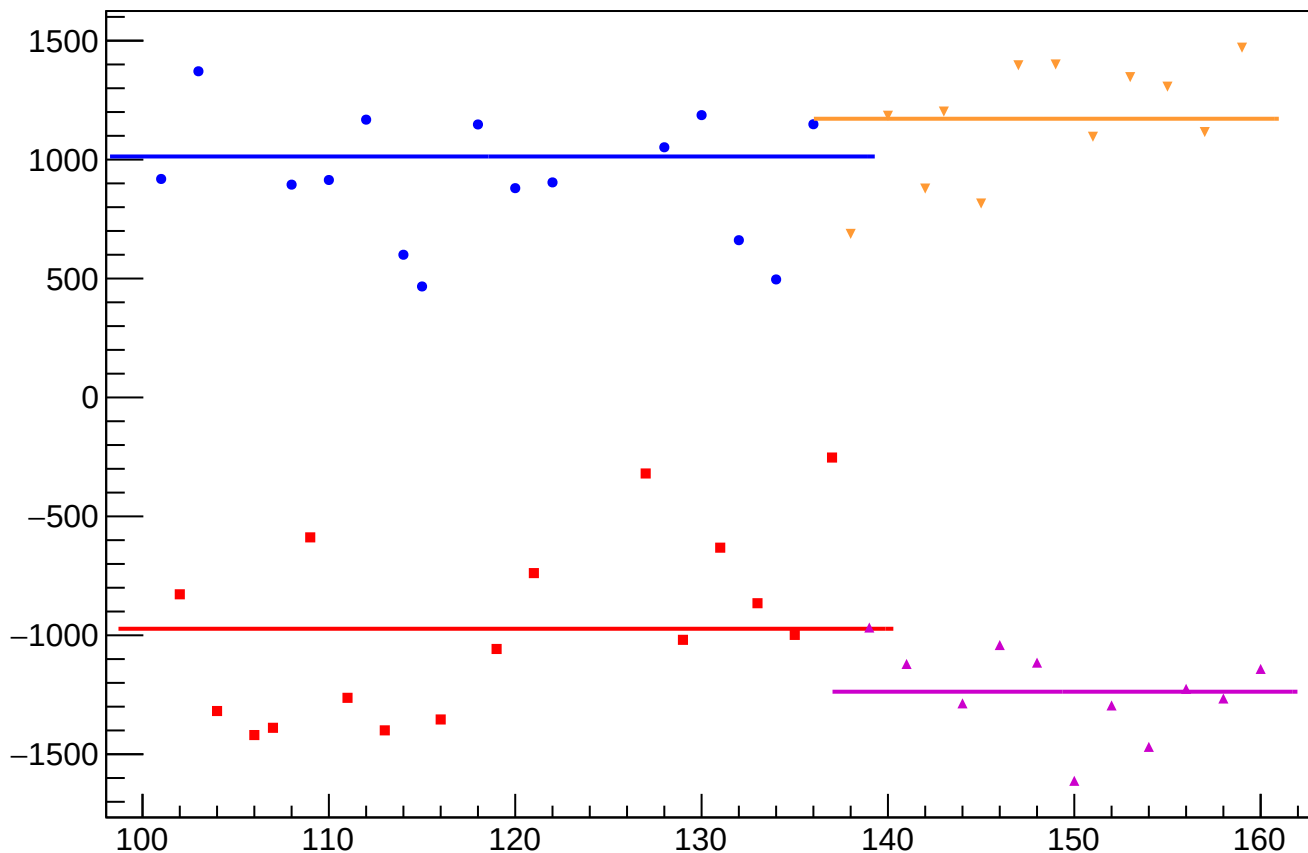
All: 24.957+/-0.000 χ^2/NDF : 2562760992420

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



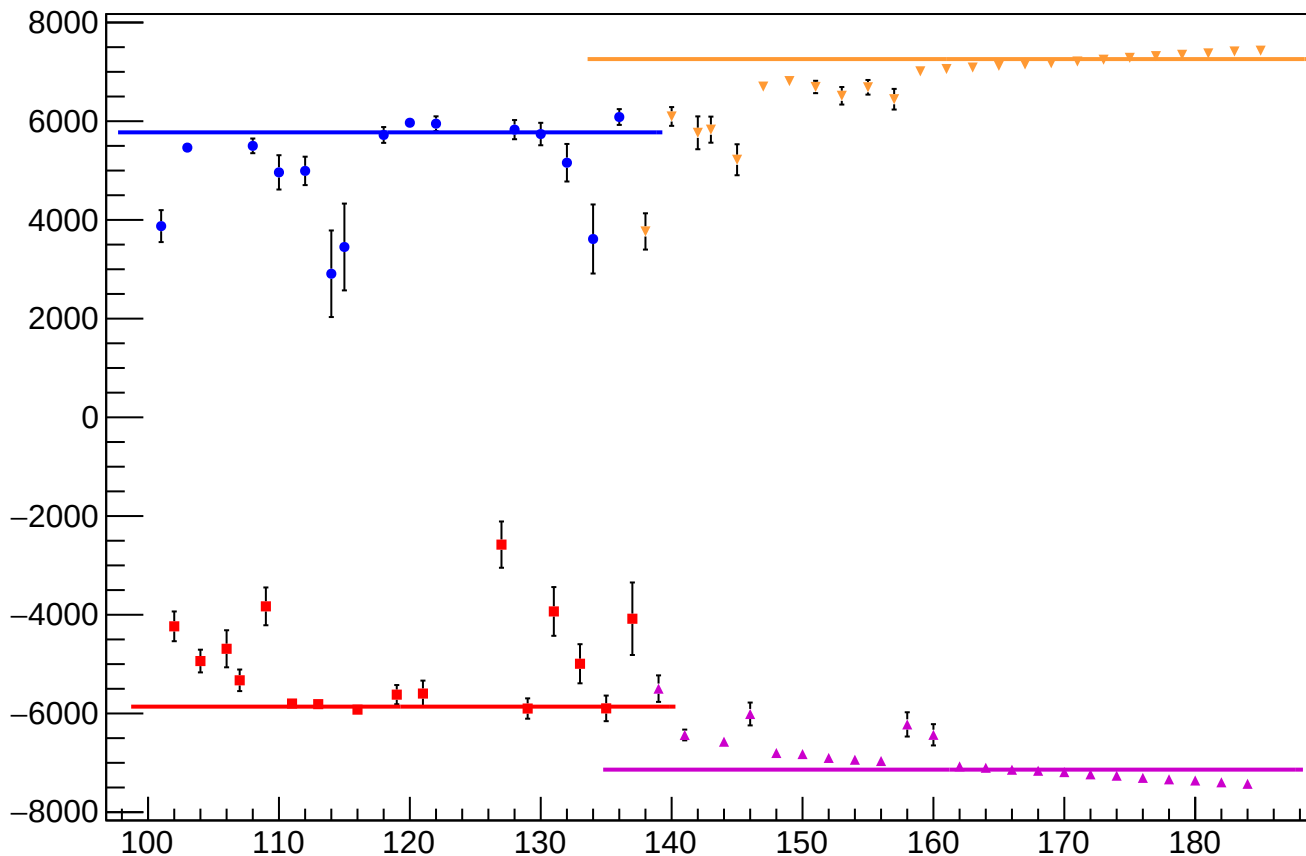
Right In: 100.135 +/- 0.000 χ^2/NDF : 7813910768784473081480373577053110272.0/14
 Left Out: 43.994 +/- 0.000 χ^2/NDF : 144038877087981194806470678002270208.0/11
 Right Out: -78.881 +/- 0.000 χ^2/NDF : 3525129078433901202304301512966275072.0/15
 Left In: -47.092 +/- 0.000 χ^2/NDF : 302550156086866534805447117402800128.0/10
 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

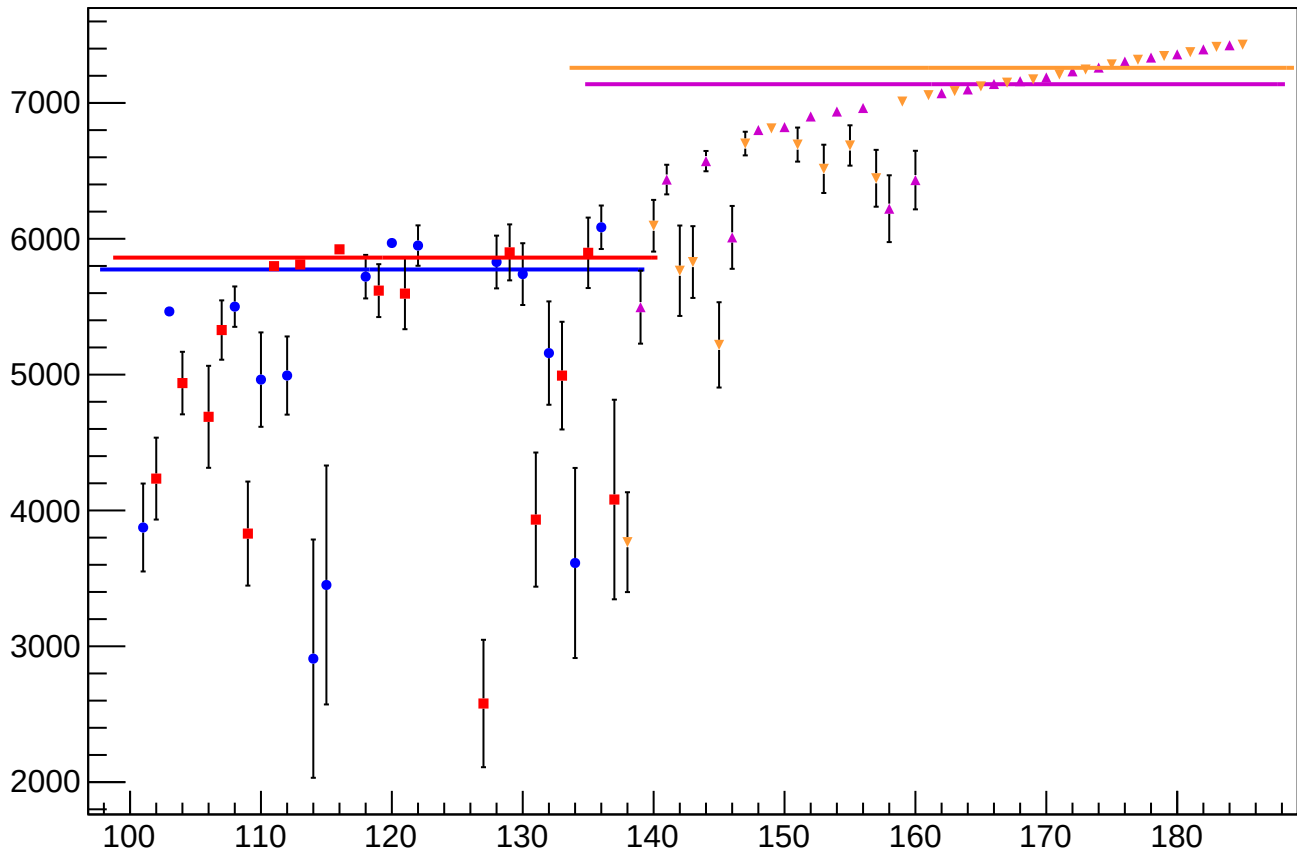
Right: -1536.191+/-0.111 χ^2 /NDF: 2585354230.9/30

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 $\pm$ 0.181 χ^2 /NDF: 1828526.5/14

Left Out: 7258.636 $\pm$ 0.092 χ^2 /NDF: 4237941.4/24

Right Out: 5861.461 $\pm$ 0.140 χ^2 /NDF: 180020.4/15

Left In: 7137.987 $\pm$ 0.098 χ^2 /NDF: 4549121.8/22

Left: 7202.367 $\pm$ 0.067 χ^2 /NDF: 9591818.2/47

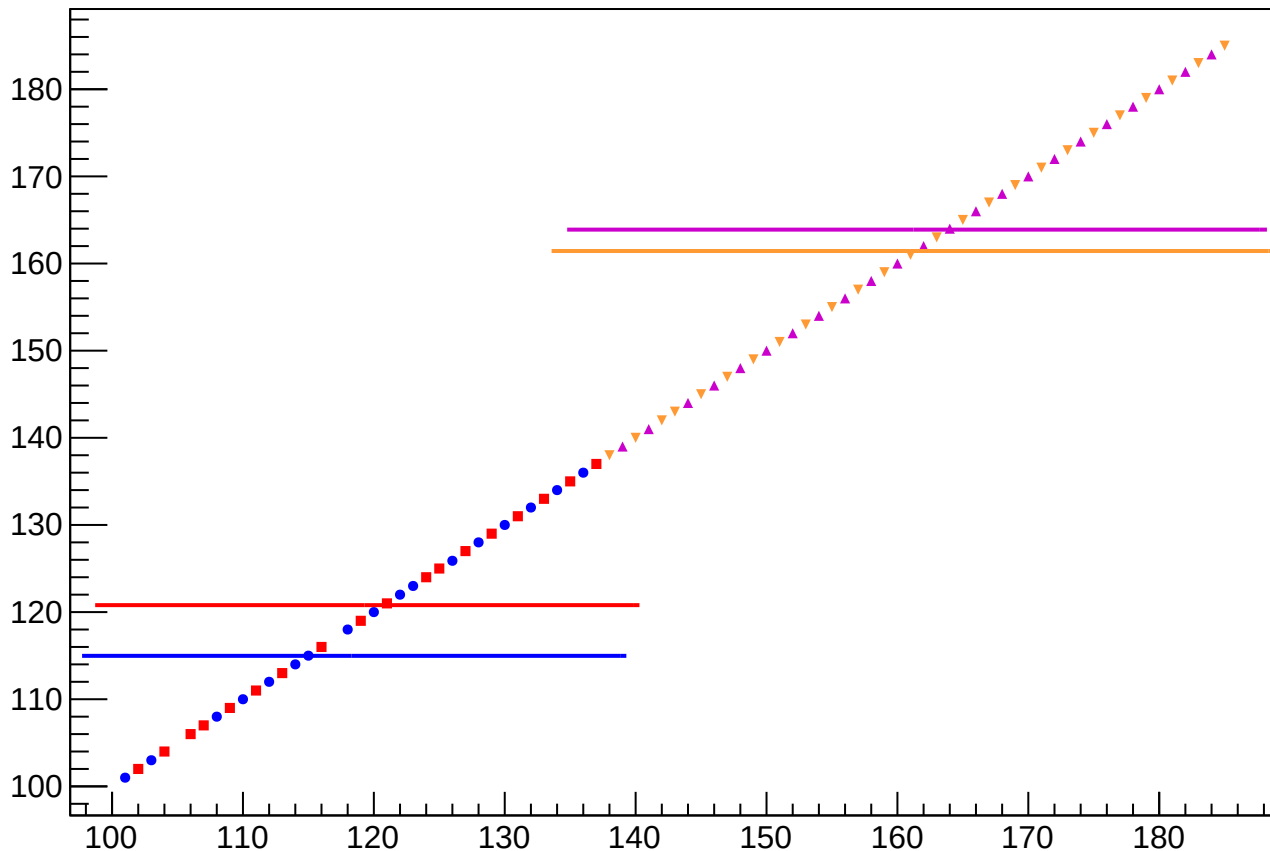
Right: 5828.993 $\pm$ 0.111 χ^2 /NDF: 2154118.4/30

In: 6828.818 $\pm$ 0.086 χ^2 /NDF: 50065585.8/37

Out: 6836.451 $\pm$ 0.077 χ^2 /NDF: 74342923.0/40

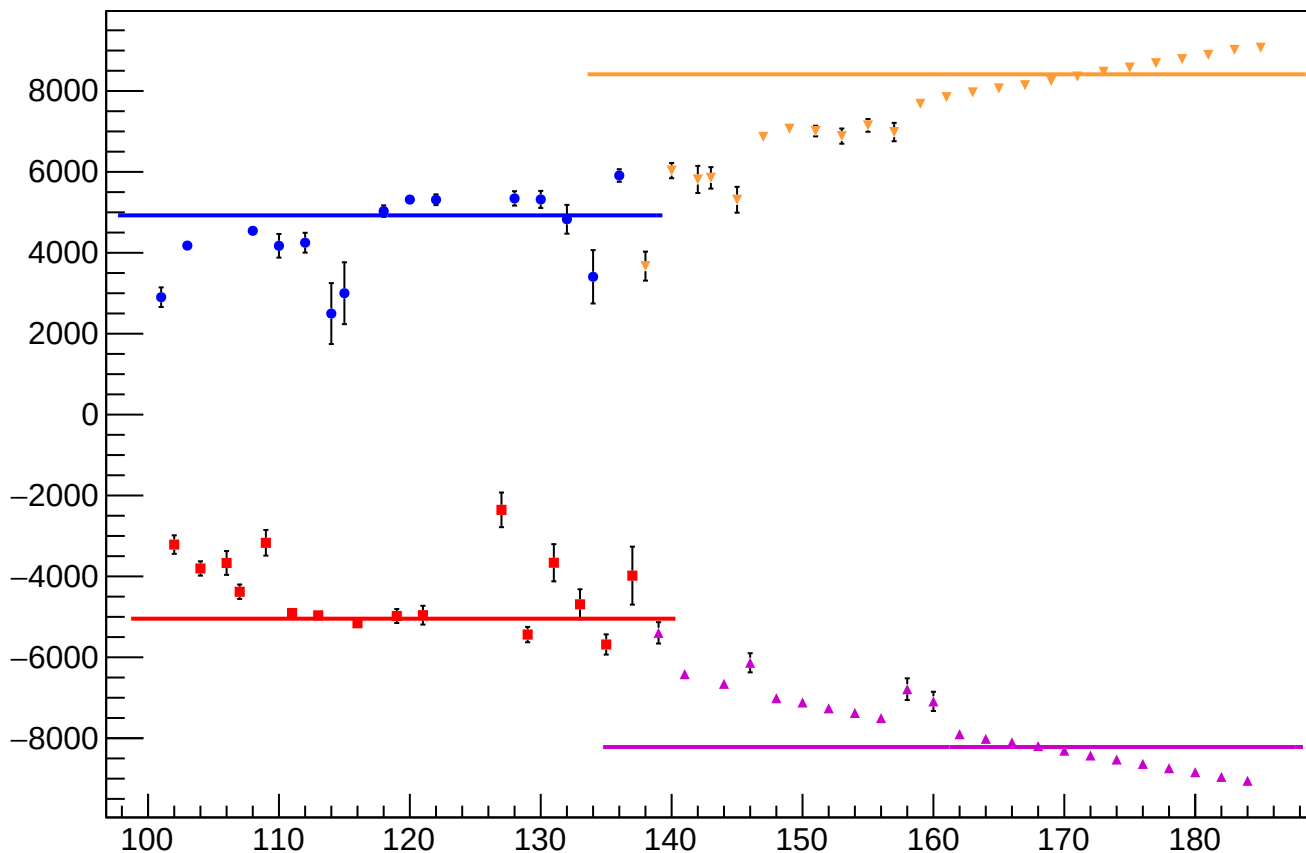
All: 6833.085 $\pm$ 0.057 χ^2 /NDF: 124412873.1

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000 χ^2/NDF : 112344936246012934714934440230912.0/16
 Left Out: 161.437+/-0.000 χ^2/NDF : 144351415086772086919986205949952.0/24
 Right Out: 120.798+/-0.000 χ^2/NDF : 39759758039532944522978032353280.0/17
 Left In: 163.890+/-0.000 χ^2/NDF : 206308926090069183709360387260416.0/22
 All: 139.354+/-0.000 χ^2/NDF : 299301426527

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 $\chi^2/\text{NDF}: 921962342.7/47$

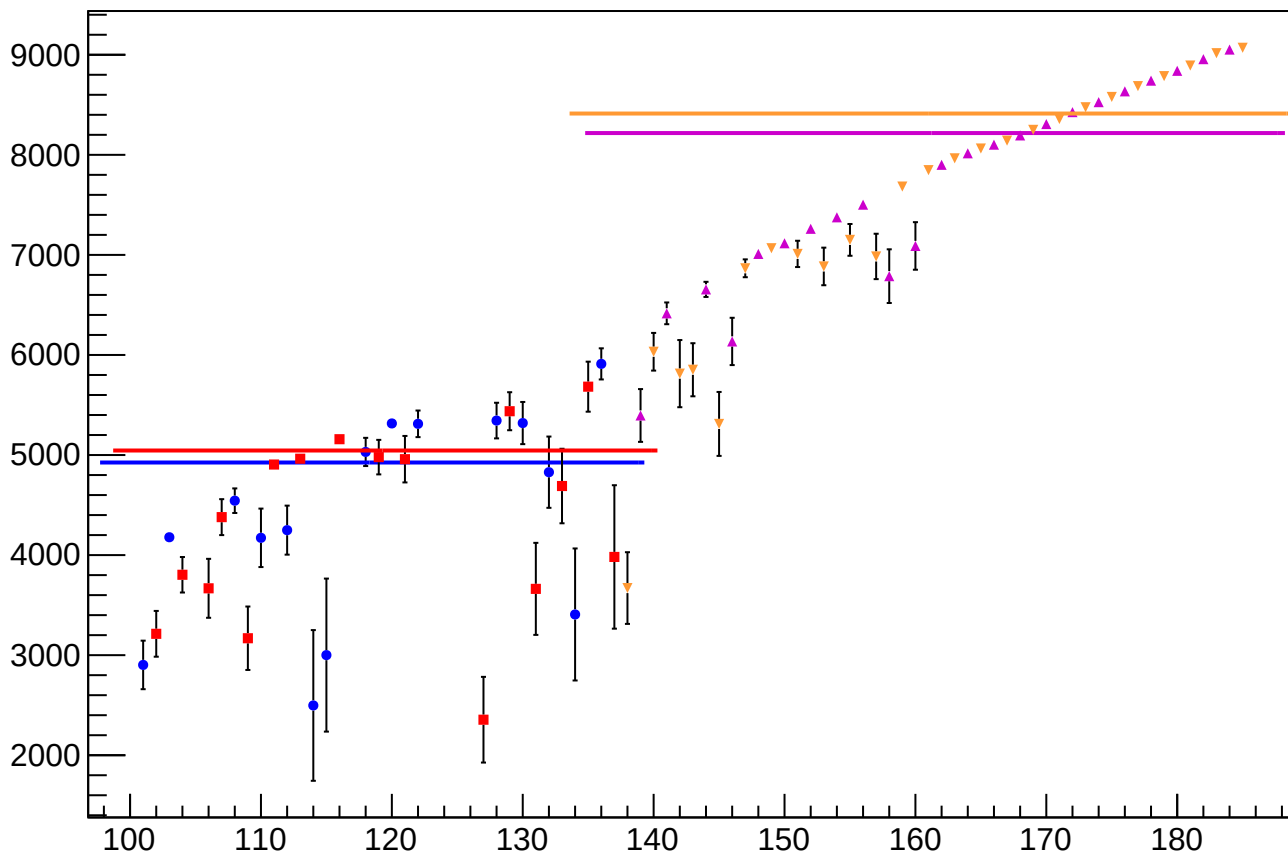
Right: -1694.510 ± 0.544 $\chi^2/\text{NDF}: 75266282.5/30$

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

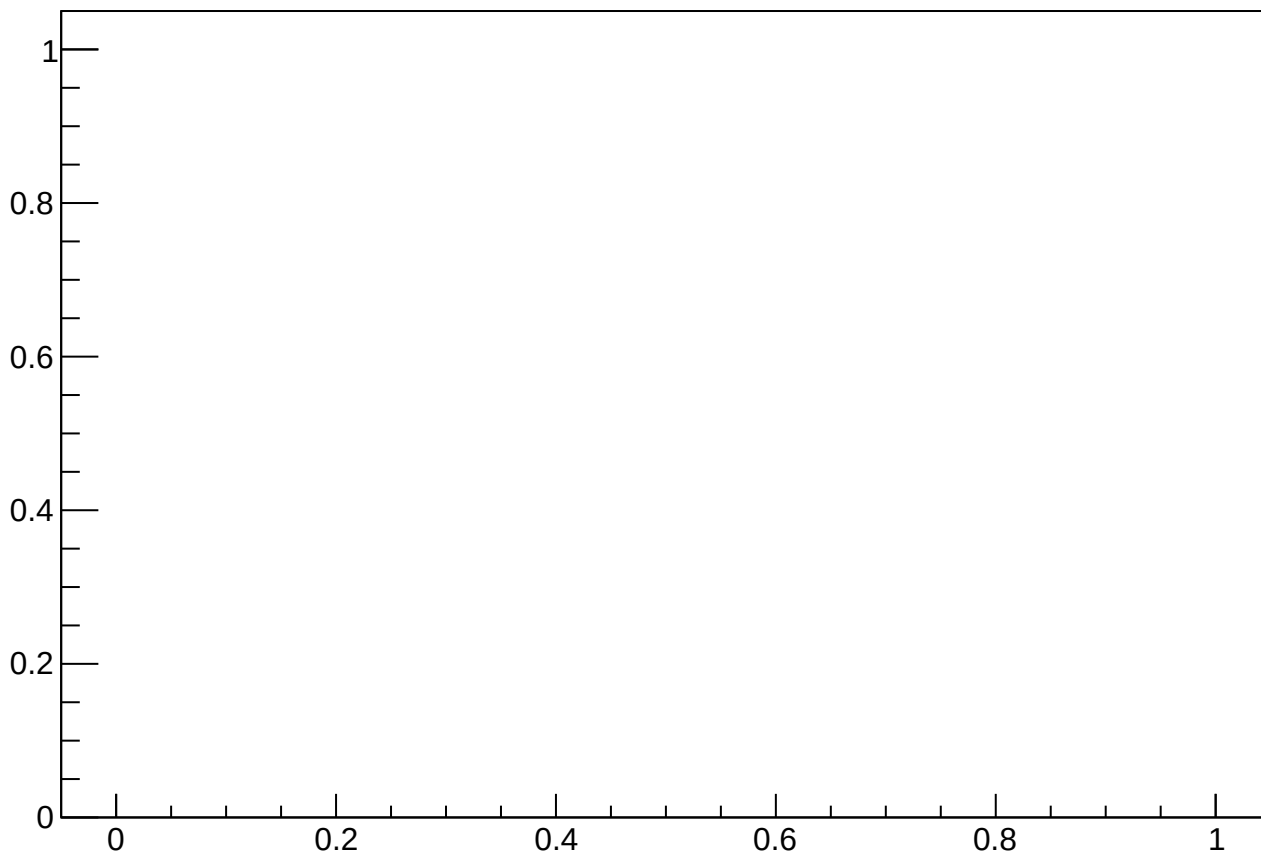
Right: 5004.922 $\pm$ 0.544 χ^2 /NDF: 372009.4/30

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 $\pm$ 0.000 χ^2 /NDF: 0.0/0

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

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

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

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

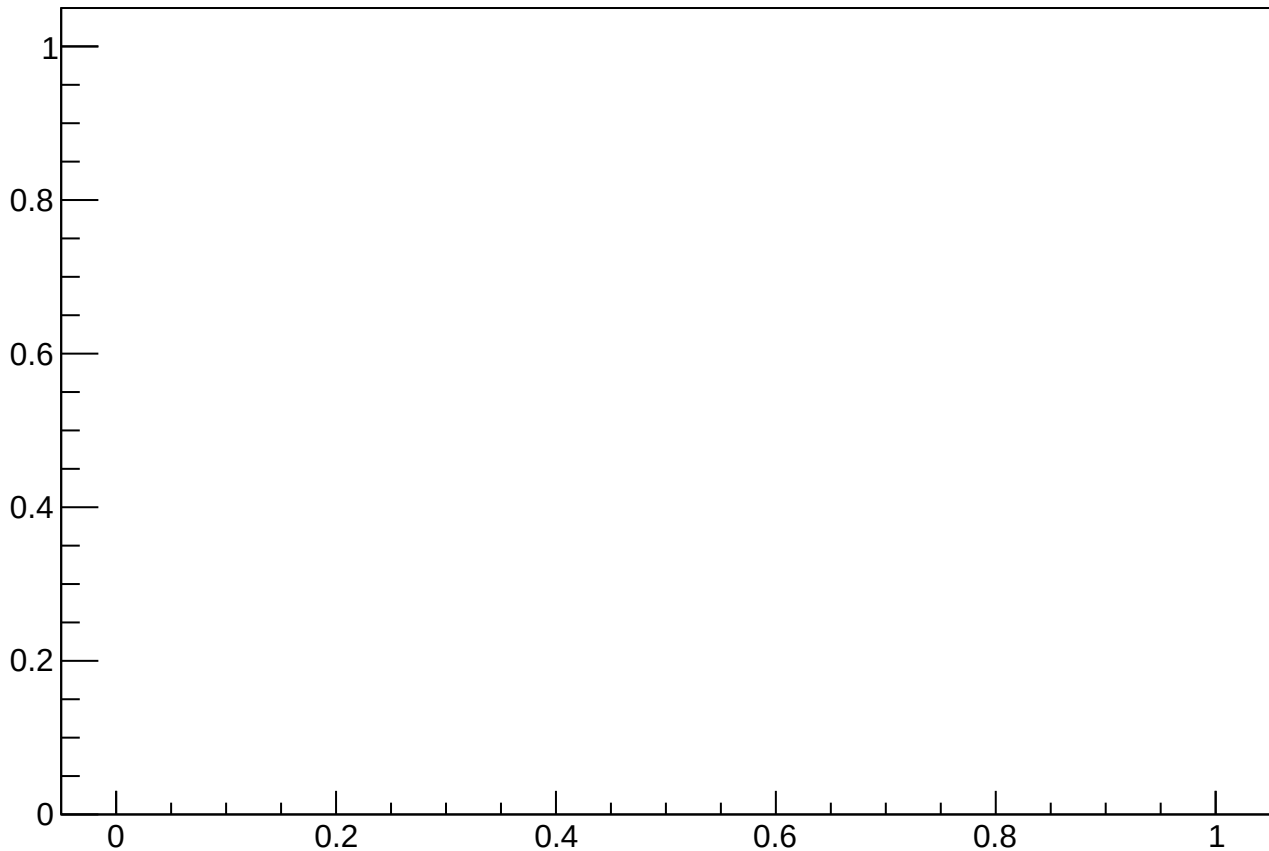
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

All: 0.000 $\pm$ 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

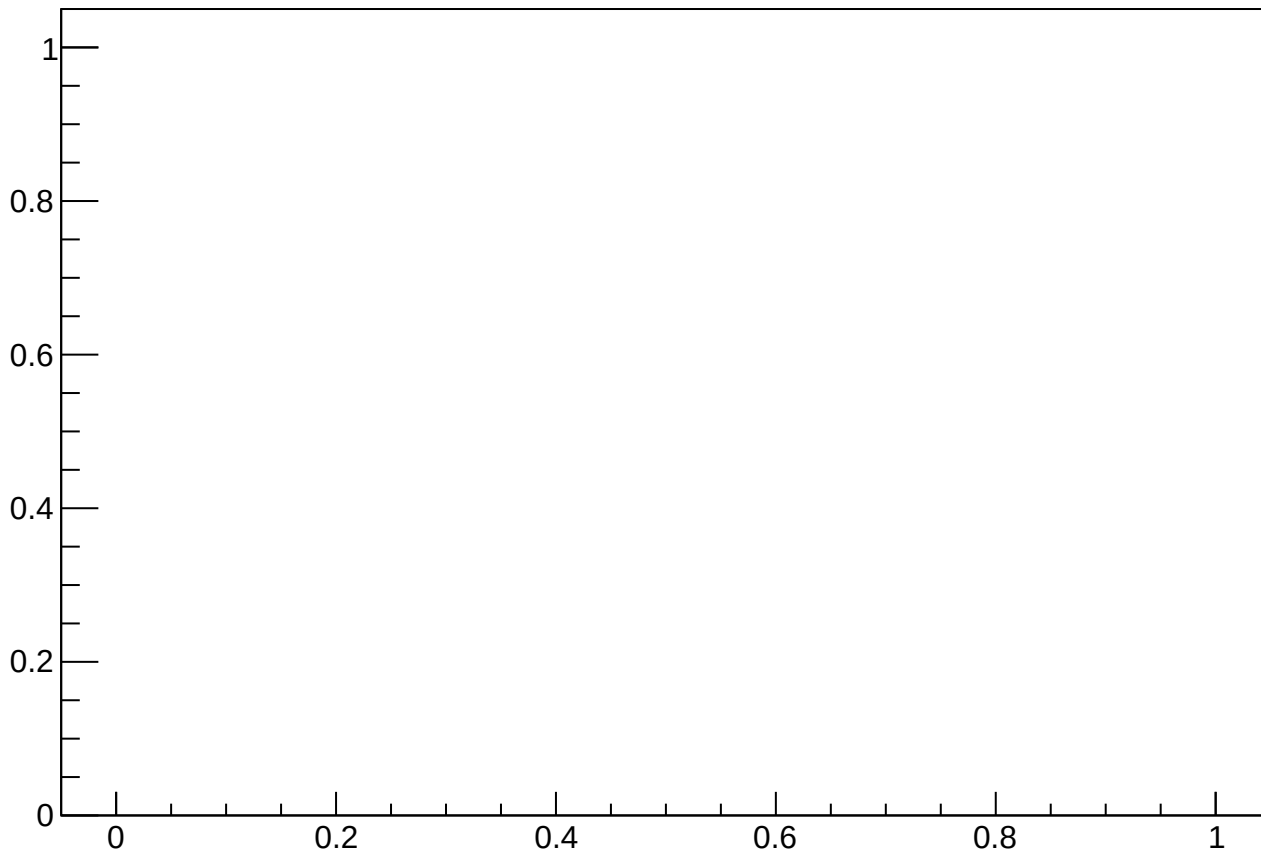
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

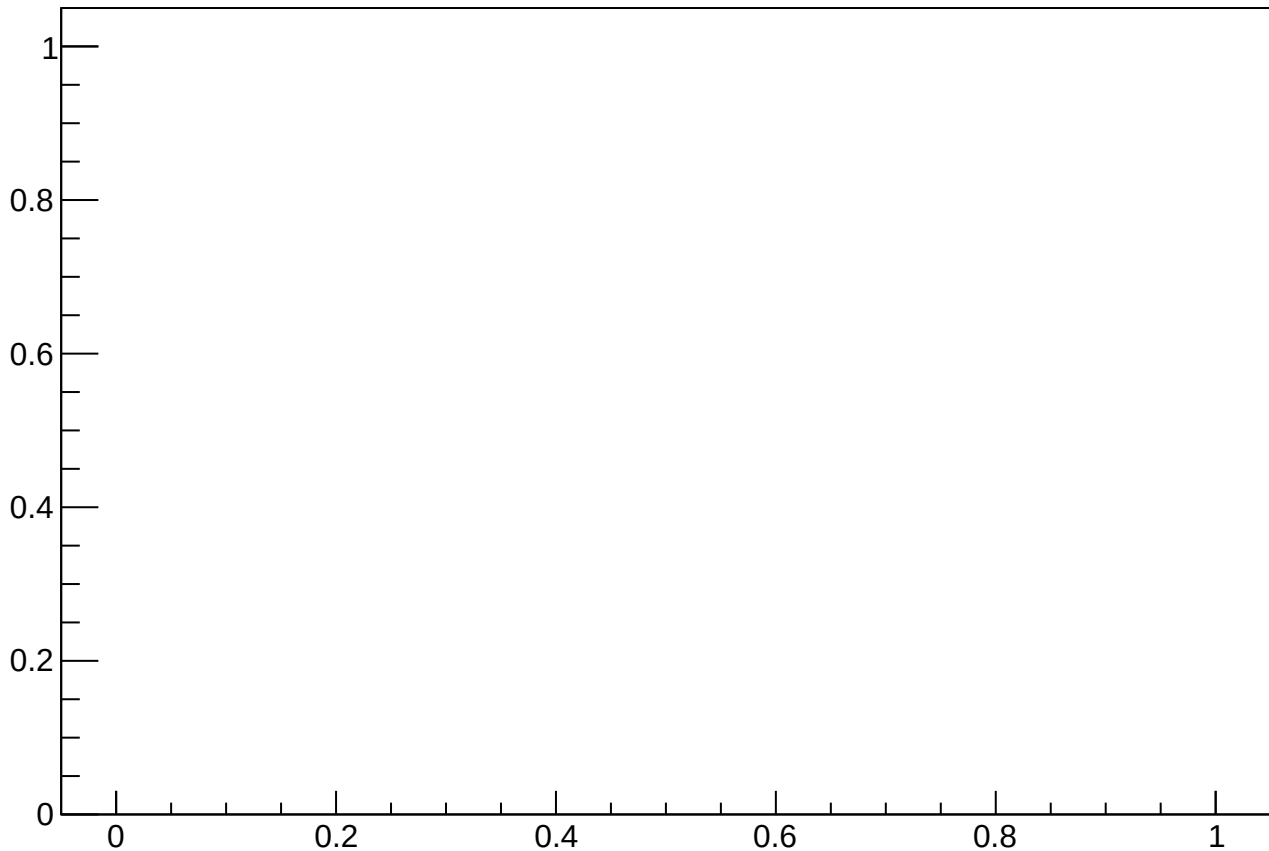
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

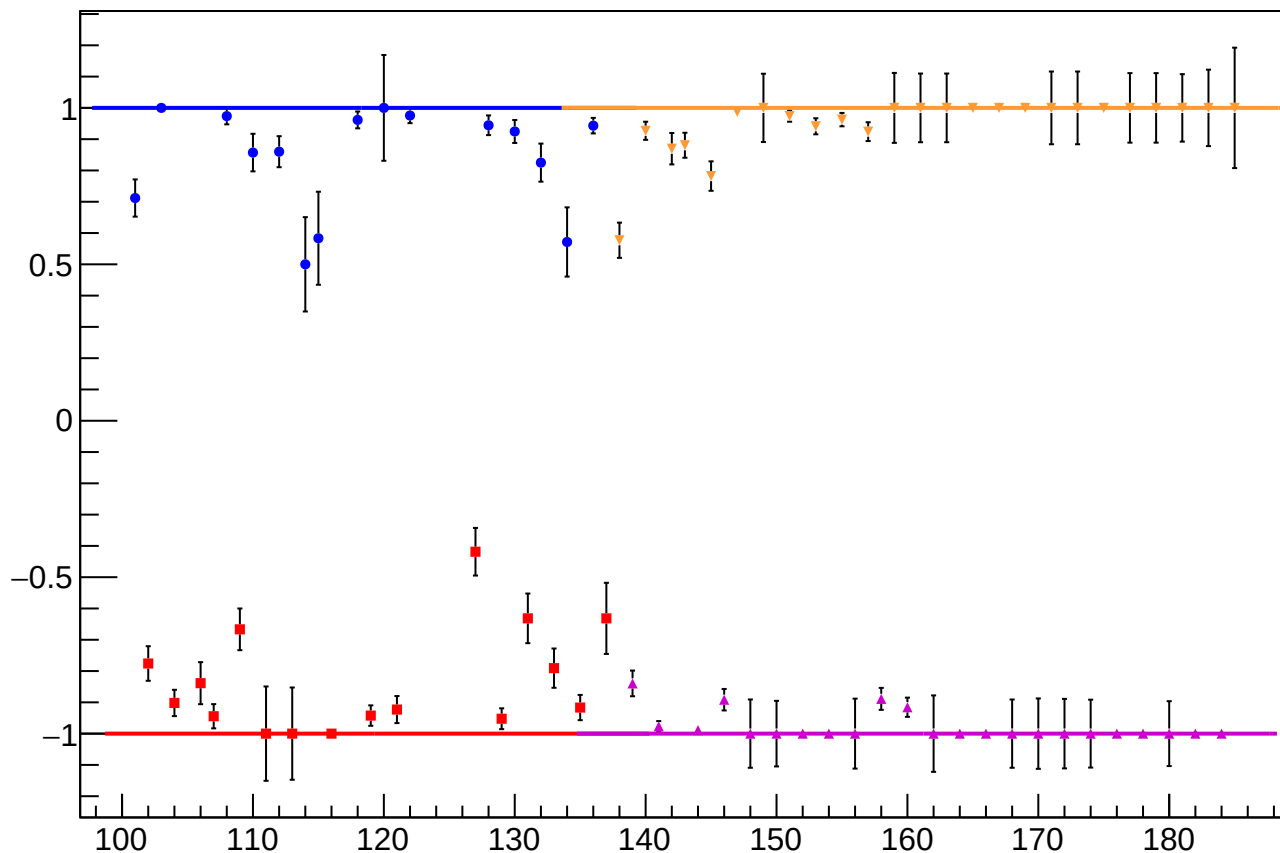
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

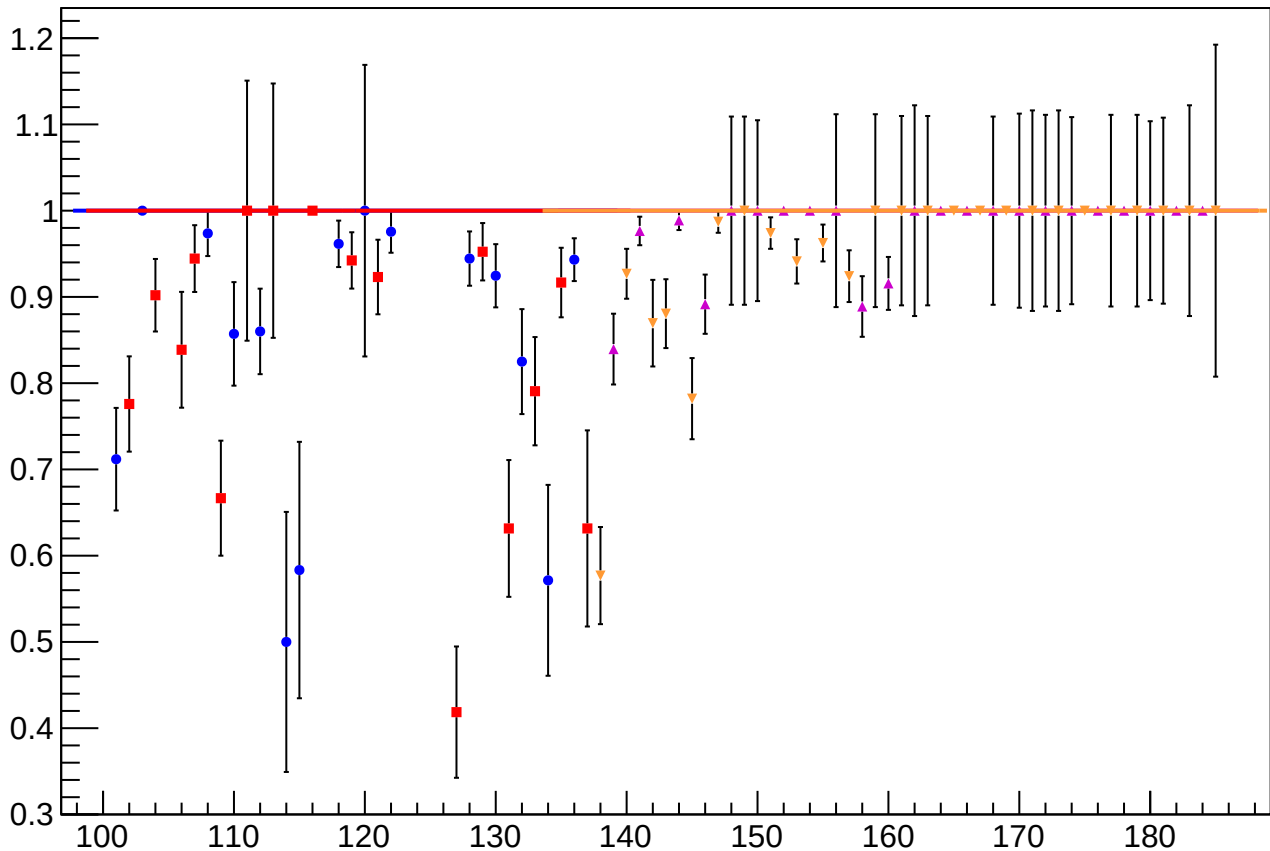
dit_flag_mean vs Slug, Sign Corrected



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

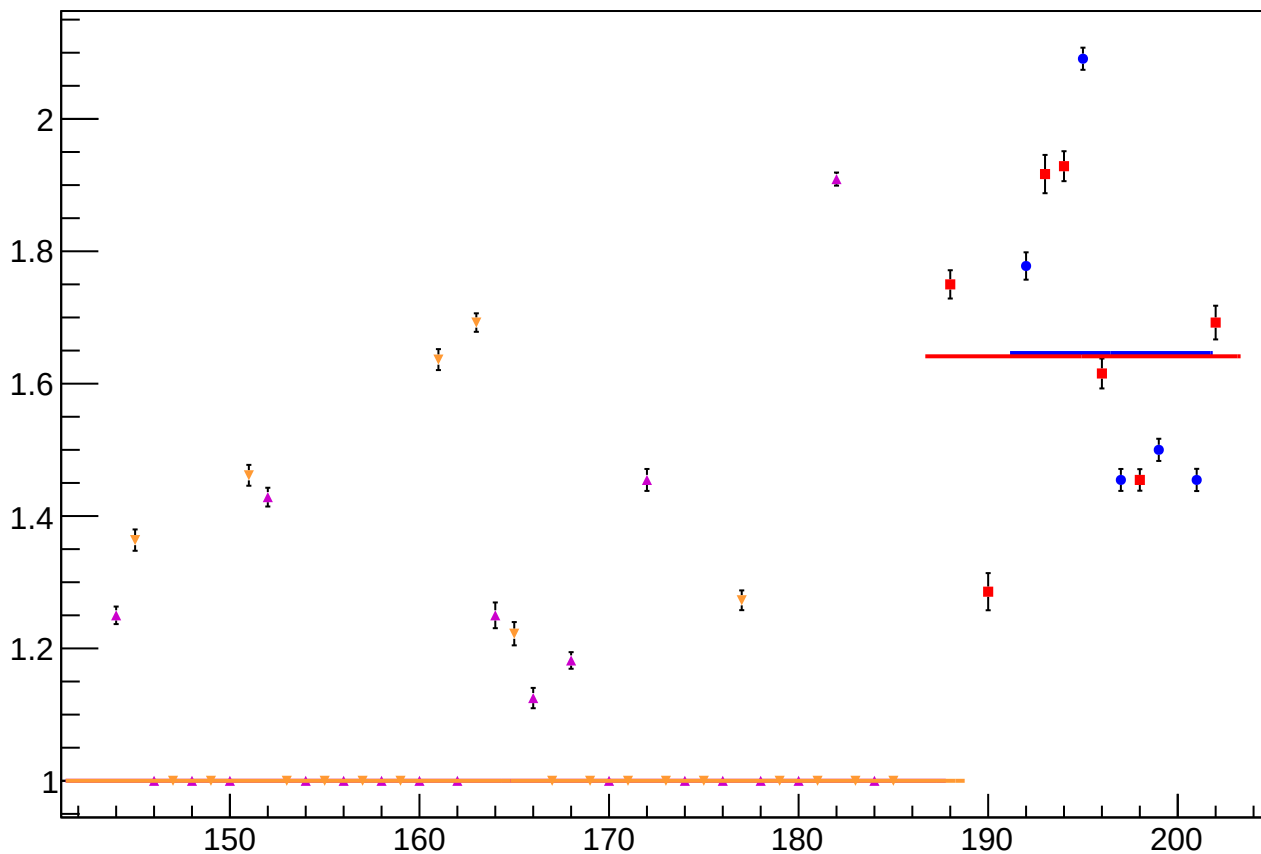
Right: 1.000+/-0.000 χ^2/NDF : 347.8/30

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: 1.646 $\pm$ 0.008 χ^2 /NDF: 1088.1/4

Left Out: 1.000 $\pm$ 0.000 χ^2 /NDF:18616.2/20

Right Out: 1.641 $\pm$ 0.008 χ^2 /NDF: 575.0/6

Left In: 1.000 $\pm$ 0.000 χ^2 /NDF:12089.0/20

Left: 1.000 $\pm$ 0.000 χ^2 /NDF: 19113.7/41

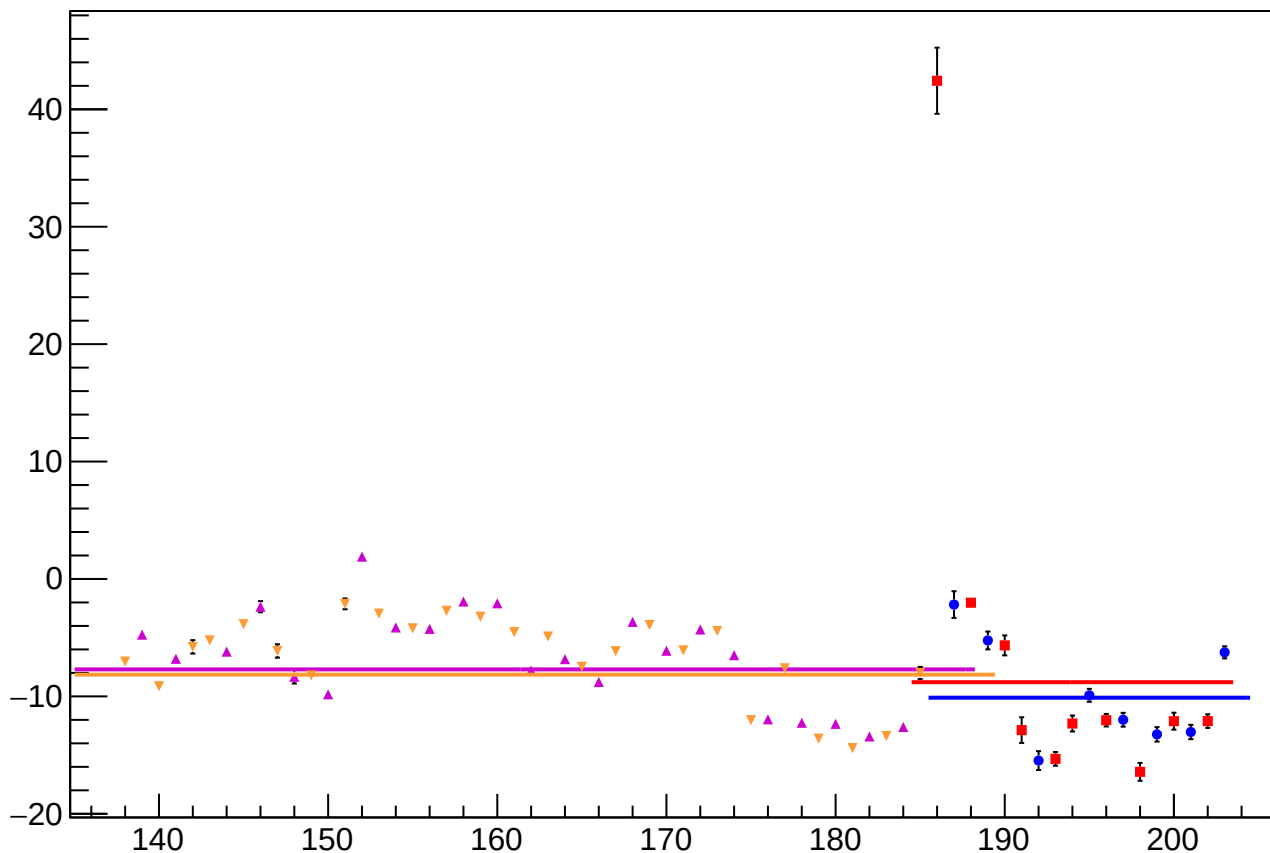
Right: 1.644 $\pm$ 0.006 χ^2 /NDF: 1663.3/11

In: 1.000 $\pm$ 0.000 χ^2 /NDF:20138.5/25

Out: 1.000 $\pm$ 0.000 χ^2 /NDF:24898.8/27

All: 1.000 $\pm$ 0.000 χ^2 /NDF: 33445.8/53

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -10.111 ± 0.227 $\chi^2/\text{NDF}: 250.5/7$

Left Out: -8.149 ± 0.068 $\chi^2/\text{NDF}: 3613.1/24$

Right Out: -8.792 ± 0.195 $\chi^2/\text{NDF}: 1106.4/9$

Left In: -7.701 ± 0.068 $\chi^2/\text{NDF}: 3737.2/22$

Left: -7.928 ± 0.048 $\chi^2/\text{NDF}: 7372.0/47$

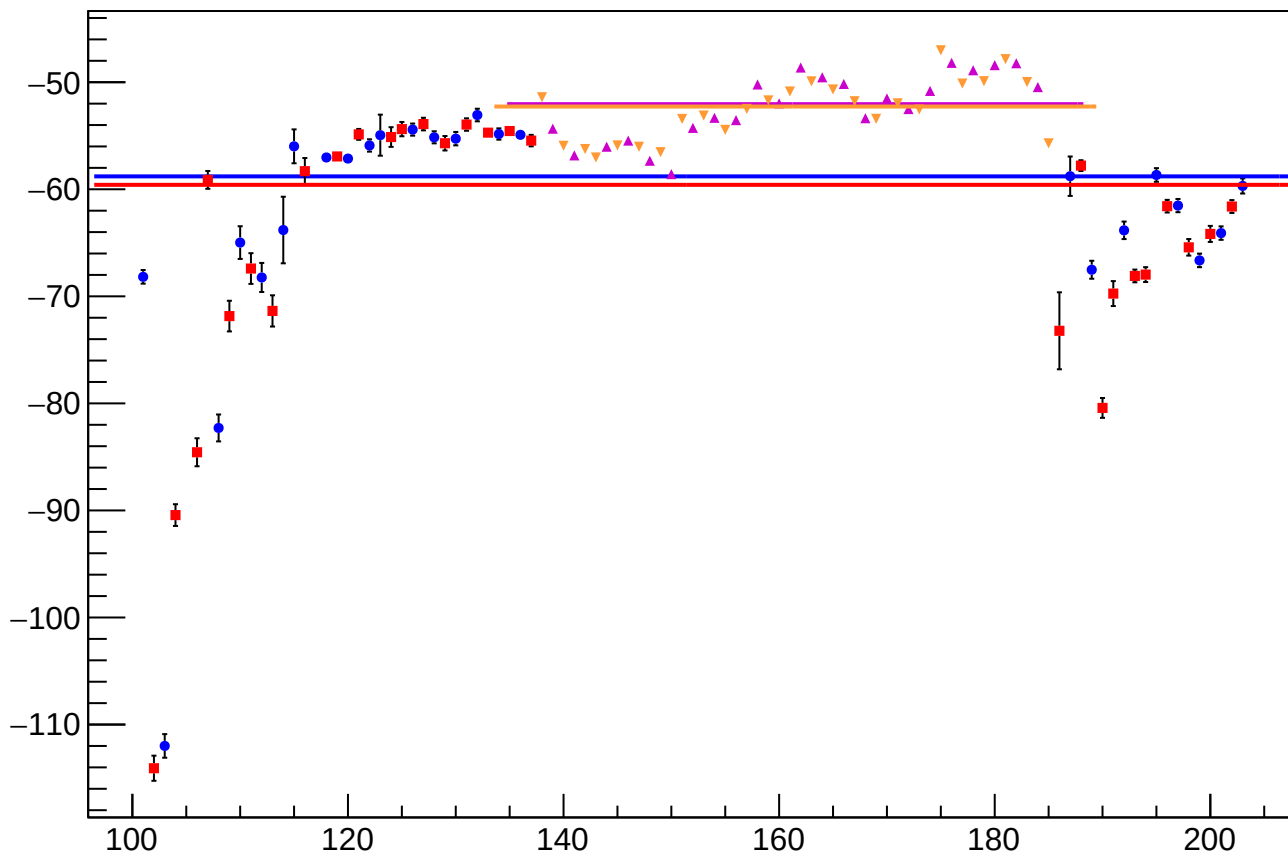
Right: -9.351 ± 0.148 $\chi^2/\text{NDF}: 1376.4/17$

In: -7.902 ± 0.066 $\chi^2/\text{NDF}: 4091.1/30$

Out: -8.218 ± 0.064 $\chi^2/\text{NDF}: 4729.2/34$

All: -8.064 ± 0.046 $\chi^2/\text{NDF}: 8832.2/65$

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -58.795 ± 0.124 χ^2/NDF : 3923.9/24

Left Out: -52.271 ± 0.055 χ^2/NDF : 2609.6/24

Right Out: -59.586 ± 0.121 χ^2/NDF : 5608.1/27

Left In: -52.050 ± 0.057 χ^2/NDF : 3197.5/22

Left: -52.164 ± 0.040 χ^2/NDF : 5814.9/47

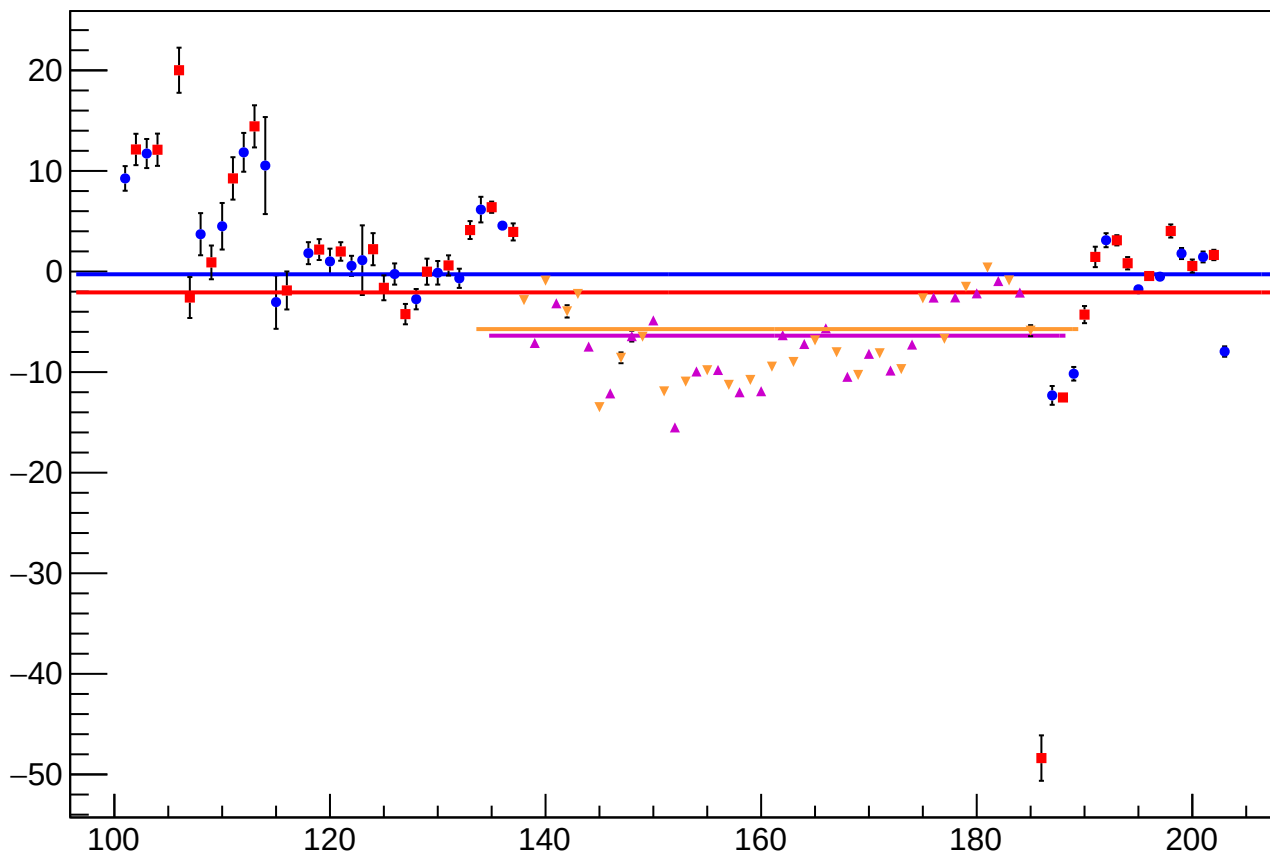
Right: -59.200 ± 0.086 χ^2/NDF : 9552.9/52

In: -53.230 ± 0.052 χ^2/NDF : 9571.5/47

Out: -53.538 ± 0.050 χ^2/NDF : 11257.6/52

All: -53.389 ± 0.036 χ^2/NDF : 20847.2/100

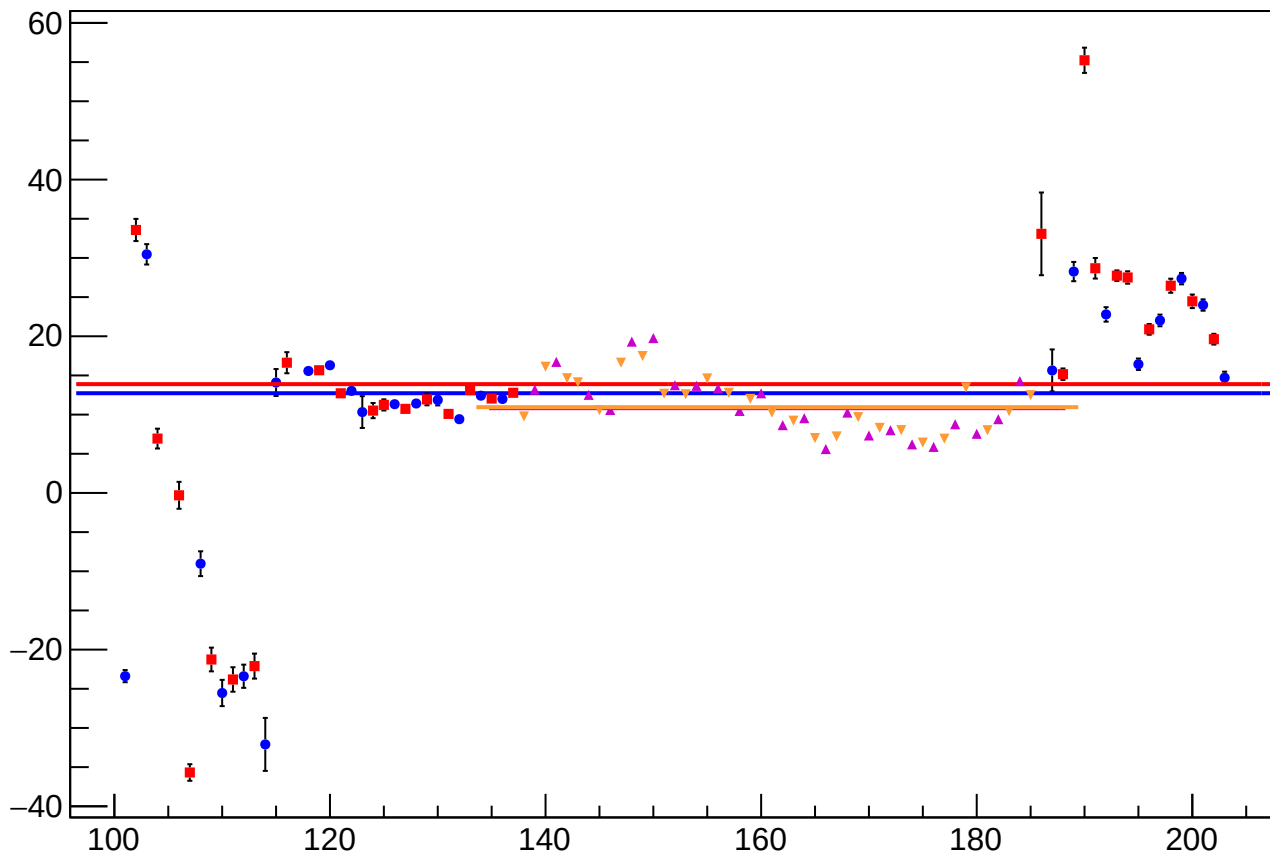
reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.275 ± 0.159 $\chi^2/\text{NDF}: 1022.9/24$
 Left Out: -5.725 ± 0.068 $\chi^2/\text{NDF}: 3989.1/24$
 Right Out: -2.076 ± 0.142 $\chi^2/\text{NDF}: 2944.7/27$
 Left In: -6.379 ± 0.068 $\chi^2/\text{NDF}: 3395.7/22$

Left: -6.049 ± 0.048 $\chi^2/\text{NDF}: 7431.1/47$
 Right: -1.280 ± 0.106 $\chi^2/\text{NDF}: 4039.1/52$
 In: -5.430 ± 0.063 $\chi^2/\text{NDF}: 5661.0/47$
 Out: -5.046 ± 0.061 $\chi^2/\text{NDF}: 7474.1/52$
 All: -5.233 ± 0.044 $\chi^2/\text{NDF}: 13154.3/100$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.729 ± 0.139 $\chi^2/\text{NDF}: 5064.7/24$

Left Out: 10.950 ± 0.062 $\chi^2/\text{NDF}: 2620.4/24$

Right Out: 13.889 ± 0.138 $\chi^2/\text{NDF}: 6307.6/27$

Left In: 10.818 ± 0.063 $\chi^2/\text{NDF}: 3577.7/22$

Left: 10.886 ± 0.044 $\chi^2/\text{NDF}: 6200.3/47$

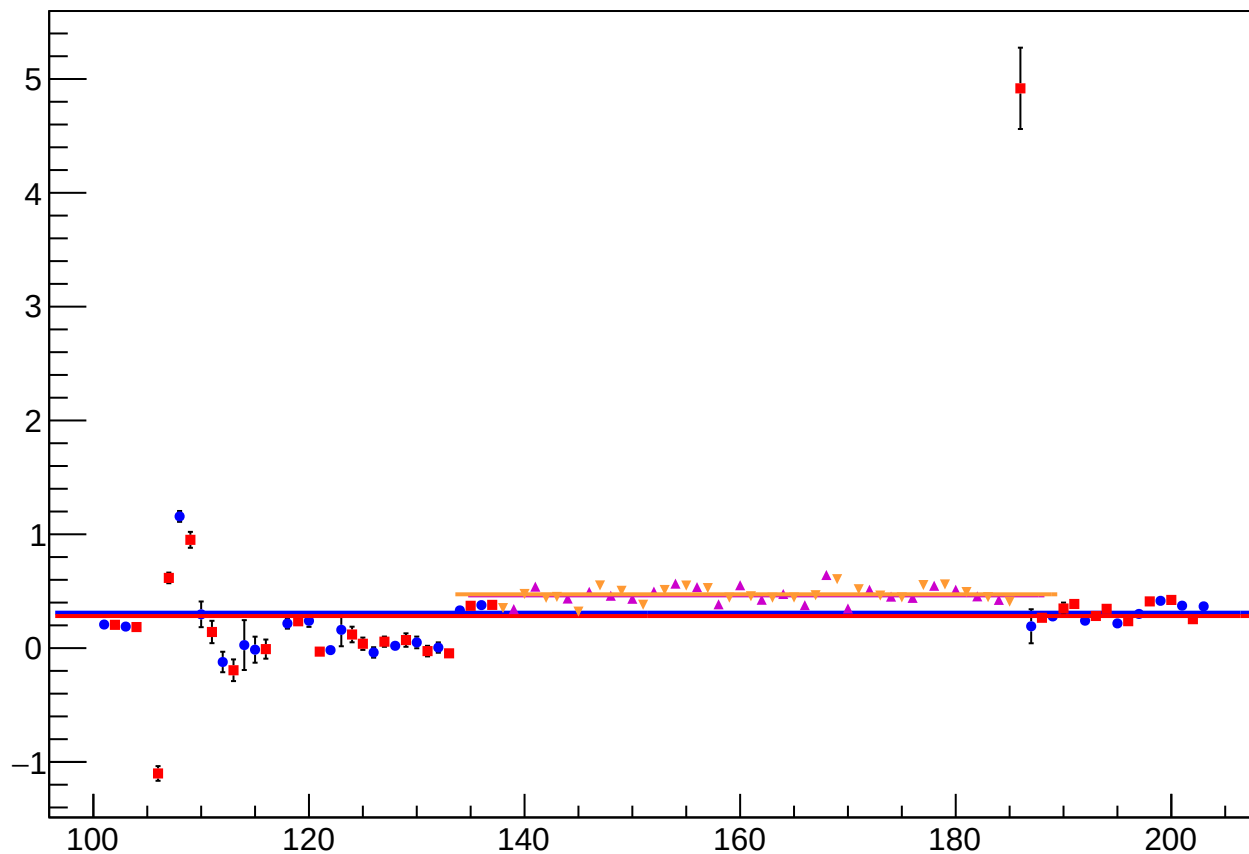
Right: 13.314 ± 0.098 $\chi^2/\text{NDF}: 11407.5/52$

In: 11.144 ± 0.057 $\chi^2/\text{NDF}: 8799.4/47$

Out: 11.438 ± 0.056 $\chi^2/\text{NDF}: 9306.7/52$

All: 11.294 ± 0.040 $\chi^2/\text{NDF}: 18119.5/100$

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.311 $\pm$ 0.006 χ^2 /NDF: 711.5/24

Left Out: 0.473 $\pm$ 0.003 χ^2 /NDF: 515.0/24

Right Out: 0.282 $\pm$ 0.006 χ^2 /NDF: 1220.4/27

Left In: 0.463 $\pm$ 0.003 χ^2 /NDF: 749.9/22

Left: 0.468 $\pm$ 0.002 χ^2 /NDF: 1270.7/47

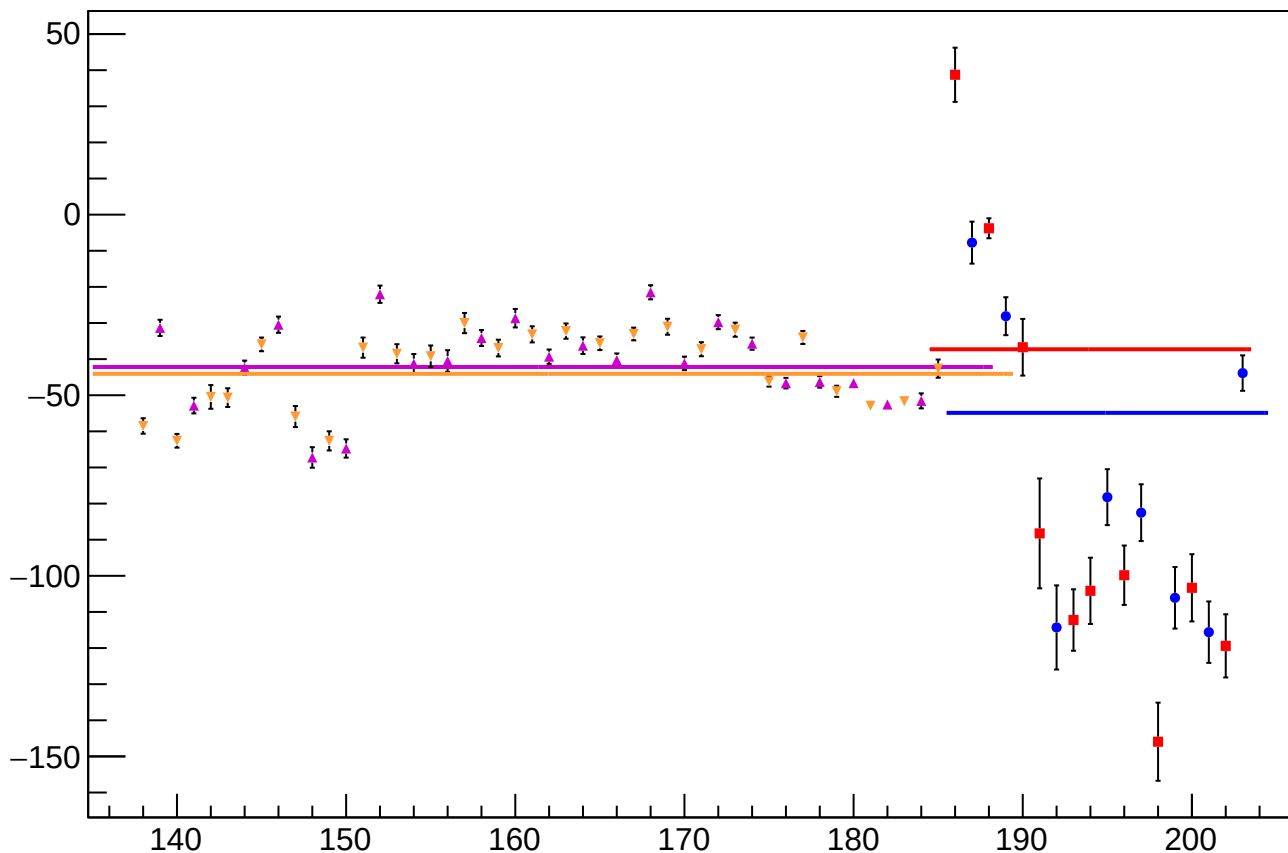
Right: 0.296 $\pm$ 0.004 χ^2 /NDF: 1943.9/52

In: 0.438 $\pm$ 0.003 χ^2 /NDF: 1970.4/47

Out: 0.439 $\pm$ 0.003 χ^2 /NDF: 2574.0/52

All: 0.438 $\pm$ 0.002 χ^2 /NDF: 4544.6/100

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -54.879 ± 2.389 χ^2/NDF : 231.3/7

Left Out: -44.074 ± 0.389 χ^2/NDF : 632.8/24

Right Out: -37.273 ± 2.030 χ^2/NDF : 688.9/9

Left In: -42.185 ± 0.398 χ^2/NDF : 651.0/22

Left: -43.149 ± 0.278 χ^2/NDF : 1295.4/47

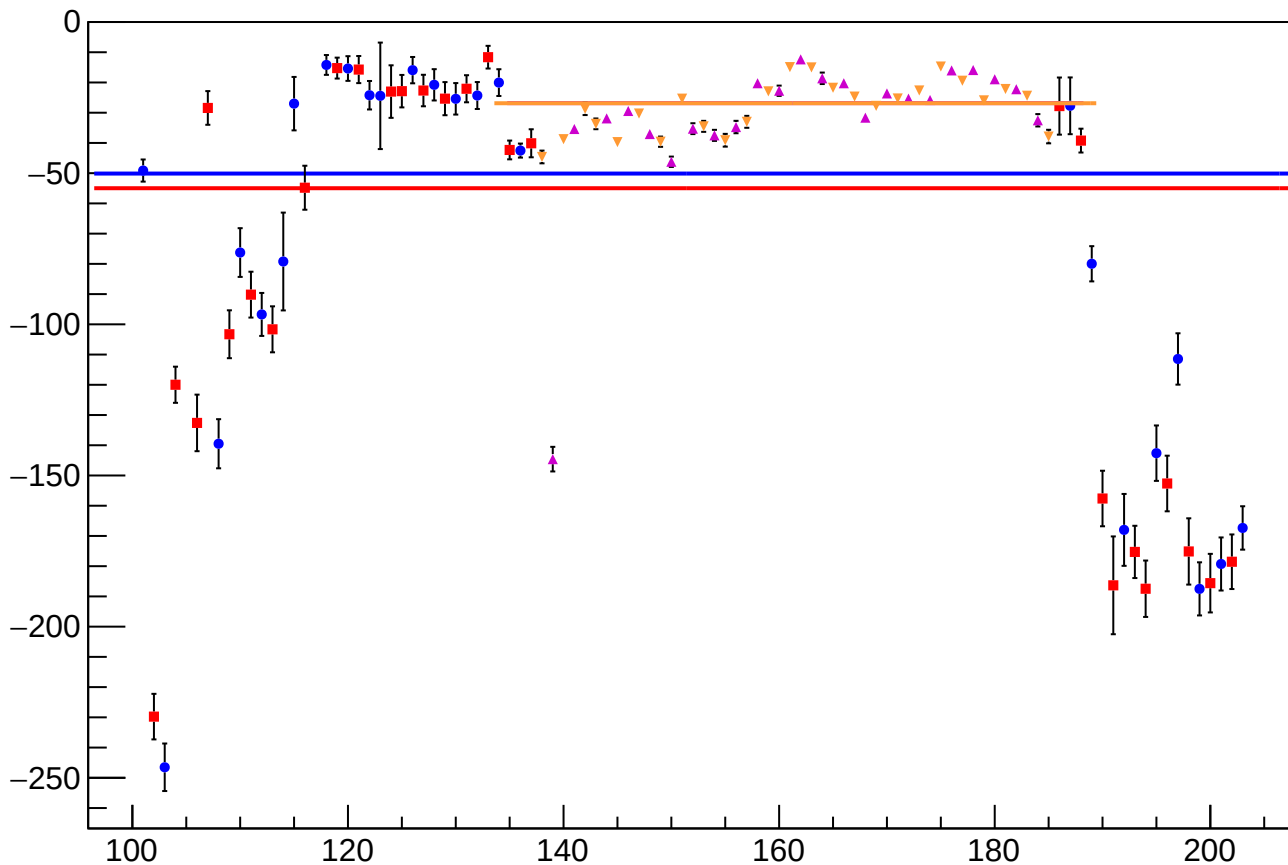
Right: -44.653 ± 1.547 χ^2/NDF : 951.7/17

In: -42.527 ± 0.392 χ^2/NDF : 909.8/30

Out: -43.833 ± 0.382 χ^2/NDF : 1332.6/34

All: -43.196 ± 0.274 χ^2/NDF : 2248.0/65

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -50.127 ± 1.058 χ^2/NDF : 2252.7/24

Left Out: -26.867 ± 0.317 χ^2/NDF : 629.1/24

Right Out: -54.978 ± 1.091 χ^2/NDF : 2596.1/27

Left In: -26.825 ± 0.325 χ^2/NDF : 1481.6/22

Left: -26.847 ± 0.227 χ^2/NDF : 2110.7/47

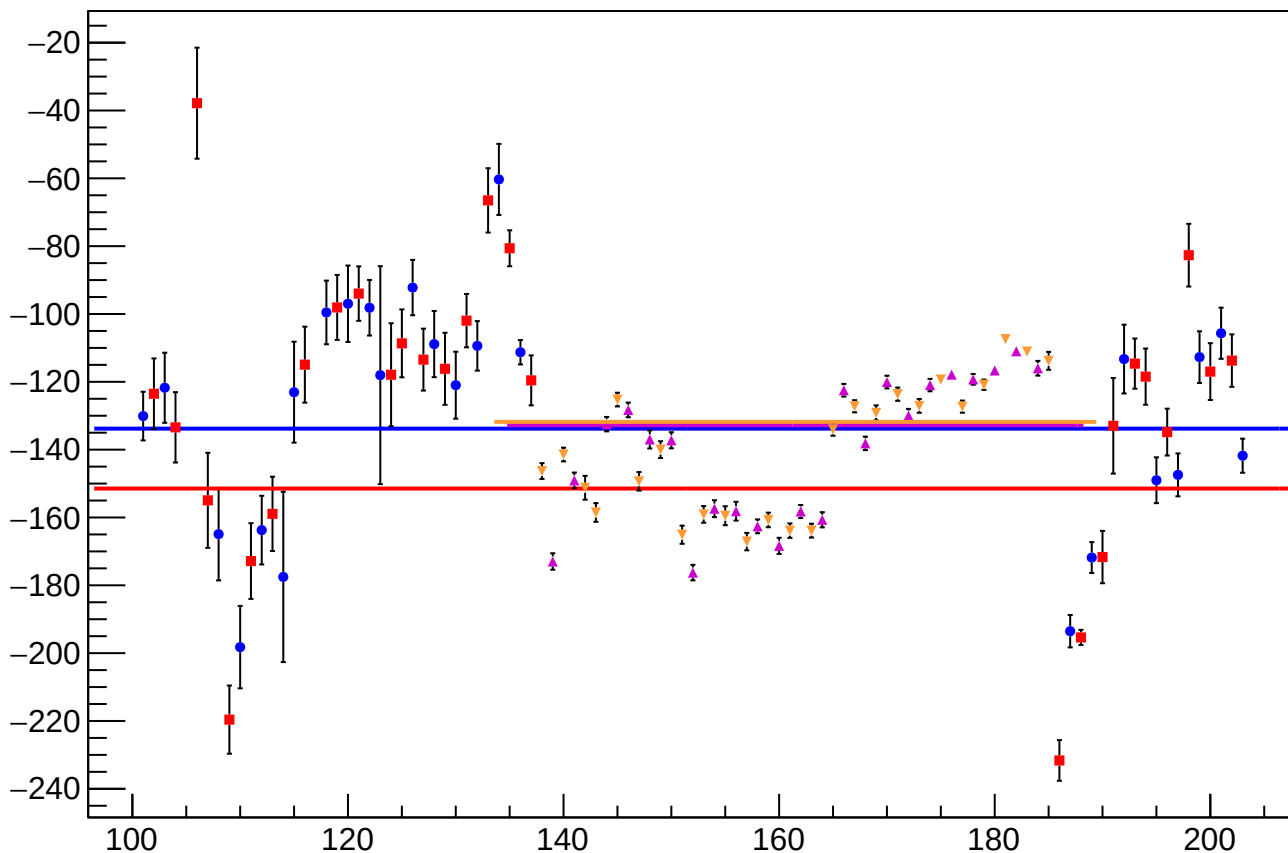
Right: -52.479 ± 0.760 χ^2/NDF : 4859.0/52

In: -28.838 ± 0.311 χ^2/NDF : 4177.1/47

Out: -29.056 ± 0.304 χ^2/NDF : 3837.6/52

All: -28.949 ± 0.218 χ^2/NDF : 8015.0/100

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -133.804 ± 1.481 χ^2/NDF : 487.9/24

Left Out: -131.805 ± 0.392 χ^2/NDF : 2417.0/24

Right Out: -151.463 ± 1.346 χ^2/NDF : 1287.9/27

Left In: -132.799 ± 0.398 χ^2/NDF : 2515.9/22

Left: -132.294 ± 0.279 χ^2/NDF : 4936.0/47

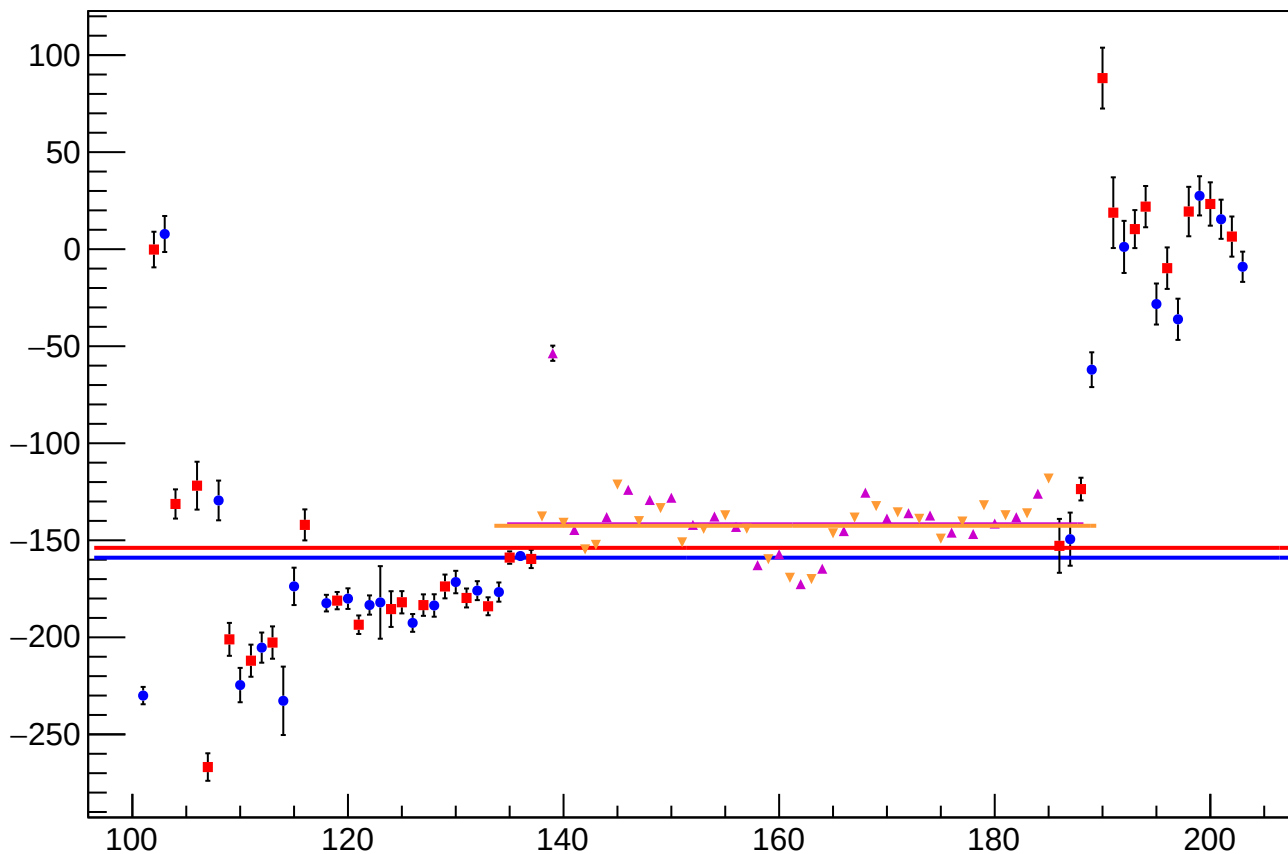
Right: -143.475 ± 0.996 χ^2/NDF : 1853.6/52

In: -132.866 ± 0.384 χ^2/NDF : 3004.2/47

Out: -133.342 ± 0.376 χ^2/NDF : 3901.5/52

All: -133.109 ± 0.269 χ^2/NDF : 6906.4/100

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -158.964 ± 1.196 $\chi^2/\text{NDF}: 2422.9/24$

Left Out: -142.517 ± 0.355 $\chi^2/\text{NDF}: 1144.2/24$

Right Out: -153.891 ± 1.254 $\chi^2/\text{NDF}: 2690.6/27$

Left In: -141.769 ± 0.363 $\chi^2/\text{NDF}: 1604.4/22$

Left: -142.151 ± 0.254 $\chi^2/\text{NDF}: 2750.7/47$

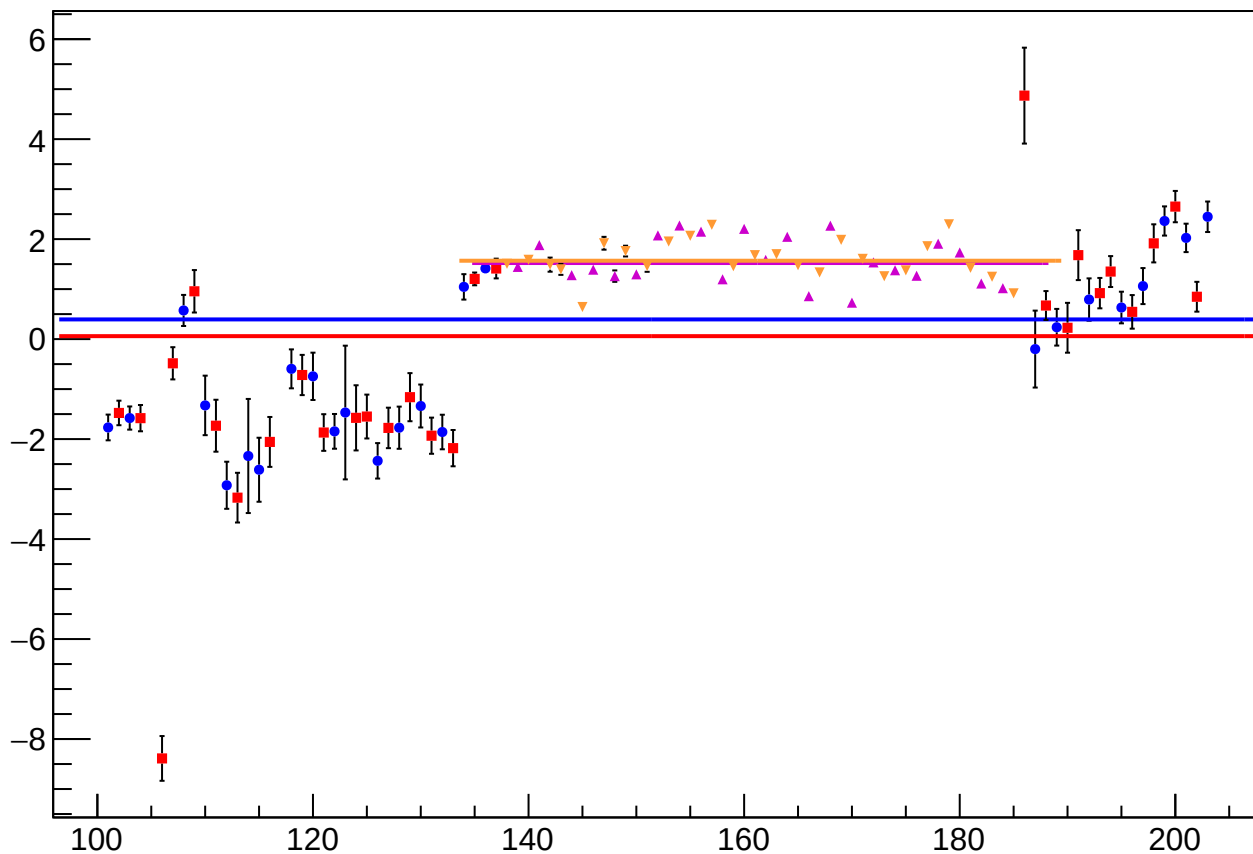
Right: -156.548 ± 0.865 $\chi^2/\text{NDF}: 5122.1/52$

In: -143.218 ± 0.347 $\chi^2/\text{NDF}: 4216.7/47$

Out: -143.360 ± 0.341 $\chi^2/\text{NDF}: 3911.0/52$

All: -143.290 ± 0.243 $\chi^2/\text{NDF}: 8127.8/100$

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.394 ± 0.059 χ^2/NDF : 679.3/24

Left Out: 1.568 ± 0.016 χ^2/NDF : 541.0/24

Right Out: 0.059 ± 0.060 χ^2/NDF : 954.6/27

Left In: 1.522 ± 0.016 χ^2/NDF : 739.1/22

Left: 1.545 ± 0.012 χ^2/NDF : 1284.1/47

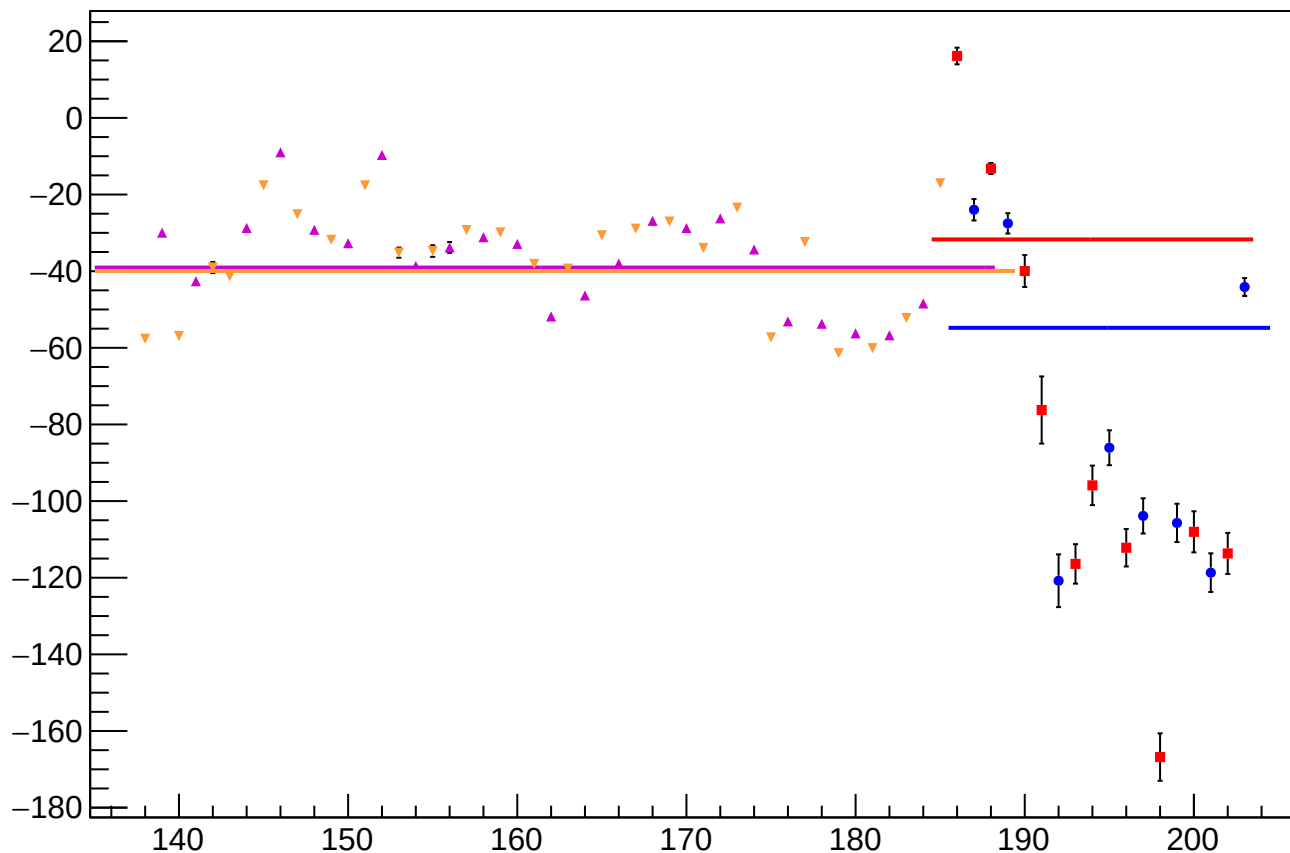
Right: 0.230 ± 0.042 χ^2/NDF : 1649.7/52

In: 1.440 ± 0.016 χ^2/NDF : 1760.9/47

Out: 1.466 ± 0.016 χ^2/NDF : 2082.2/52

All: 1.453 ± 0.011 χ^2/NDF : 3844.4/100

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected

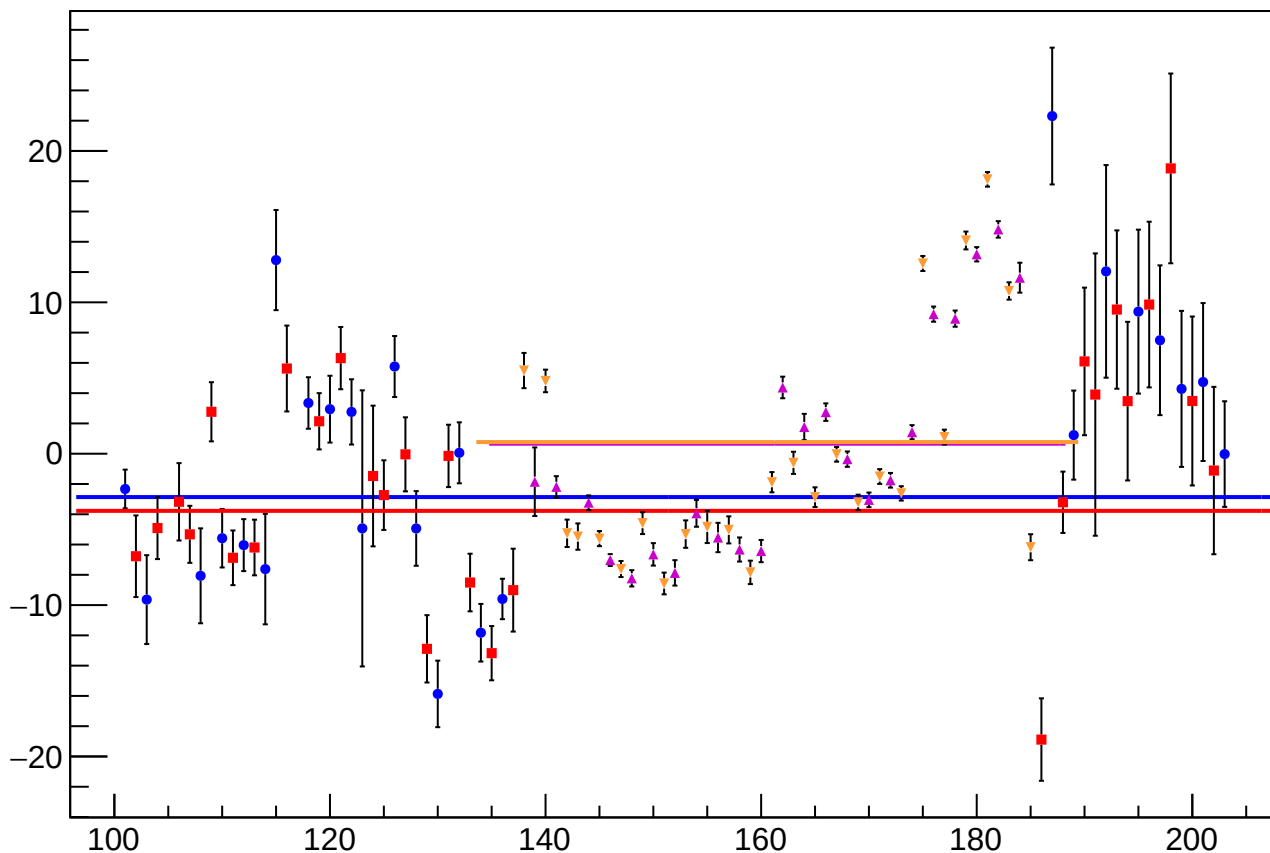


Right In: -54.789 ± 1.241 $\chi^2/\text{NDF}: 765.1/7$
 Left Out: -39.942 ± 0.153 $\chi^2/\text{NDF}: 9806.2/24$
 Right Out: -31.715 ± 1.011 $\chi^2/\text{NDF}: 2289.9/9$
 Left In: -39.060 ± 0.154 $\chi^2/\text{NDF}: 8577.0/22$

Left: -39.503 ± 0.109 $\chi^2/\text{NDF}: 18399.6/47$
 Right: -40.920 ± 0.784 $\chi^2/\text{NDF}: 3262.7/17$
 In: -39.298 ± 0.153 $\chi^2/\text{NDF}: 9500.2/30$
 Out: -39.757 ± 0.152 $\chi^2/\text{NDF}: 12160.8/34$

All: -39.529 ± 0.108 $\chi^2/\text{NDF}: 21665.5/65$

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.864 ± 0.472 $\chi^2/\text{NDF}: 220.2/24$

Left Out: 0.770 ± 0.124 $\chi^2/\text{NDF}: 3952.9/24$

Right Out: -3.776 ± 0.471 $\chi^2/\text{NDF}: 188.6/27$

Left In: 0.662 ± 0.124 $\chi^2/\text{NDF}: 3340.9/22$

Left: 0.716 ± 0.088 $\chi^2/\text{NDF}: 7294.2/47$

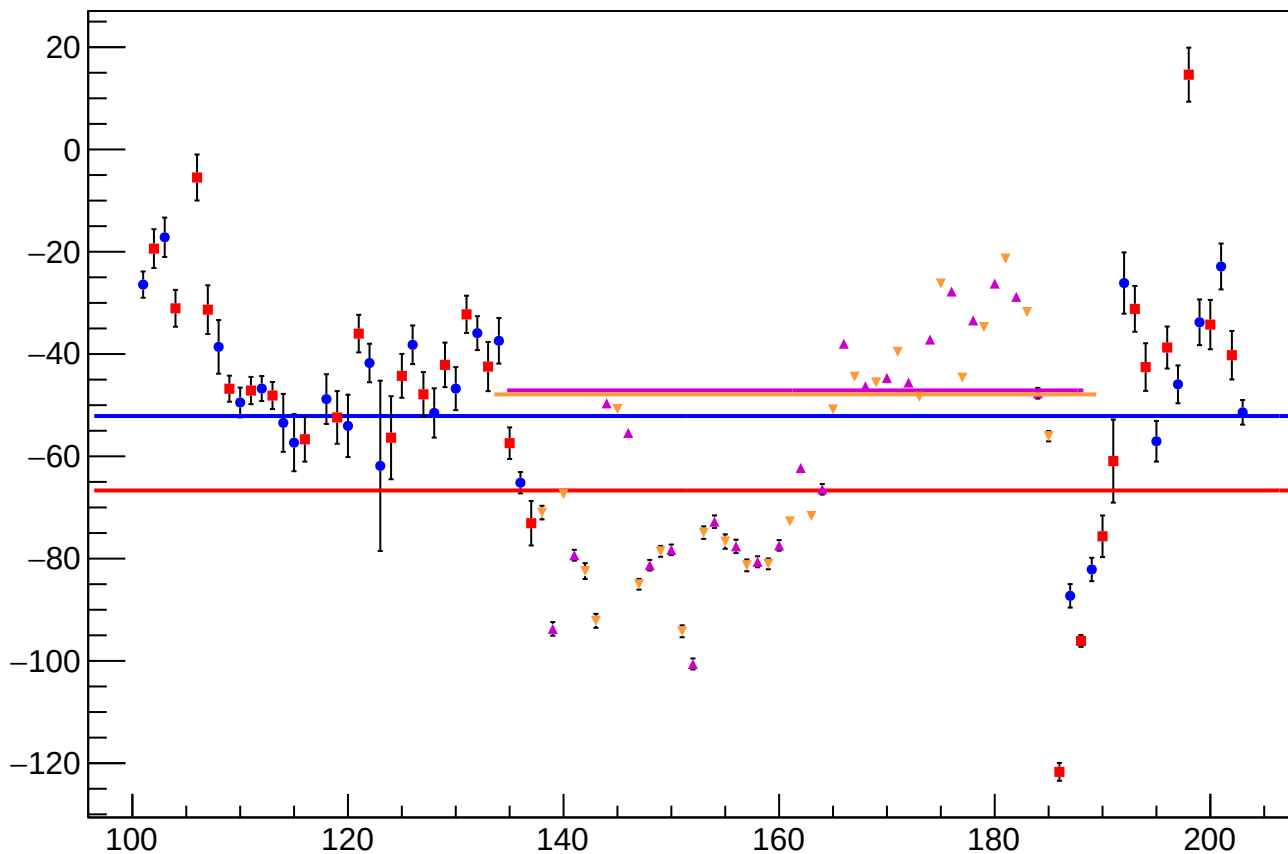
Right: -3.321 ± 0.333 $\chi^2/\text{NDF}: 410.7/52$

In: 0.434 ± 0.120 $\chi^2/\text{NDF}: 3613.4/47$

Out: 0.474 ± 0.120 $\chi^2/\text{NDF}: 4228.8/52$

All: 0.454 ± 0.085 $\chi^2/\text{NDF}: 7842.2/100$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected

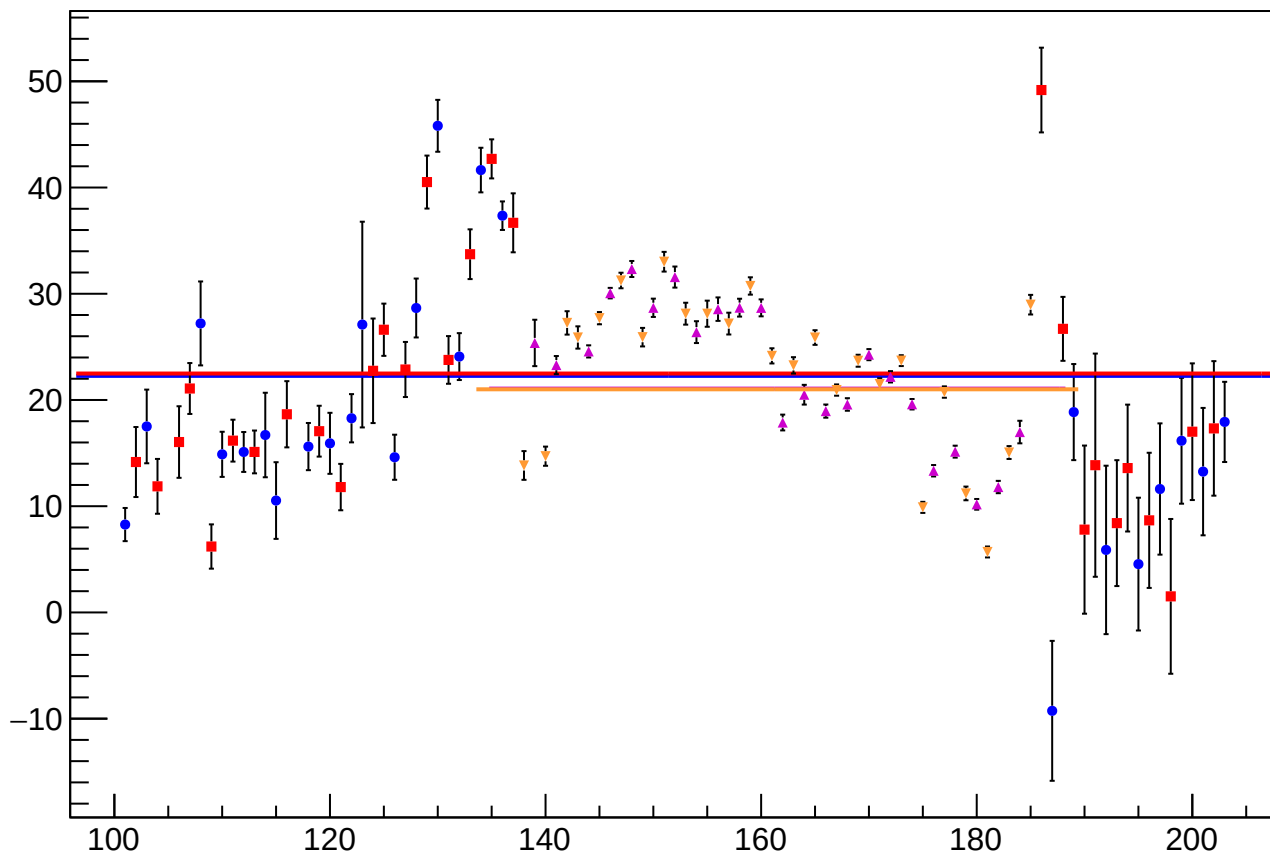


Right In: -52.119 ± 0.689 $\chi^2/\text{NDF}: 782.7/24$
 Left Out: -47.888 ± 0.155 $\chi^2/\text{NDF}: 16707.2/24$
 Right Out: -66.674 ± 0.606 $\chi^2/\text{NDF}: 3038.3/27$
 Left In: -47.112 ± 0.155 $\chi^2/\text{NDF}: 15654.8/22$

Left: -47.500 ± 0.109 $\chi^2/\text{NDF}: 32374.6/47$
 Right: -60.323 ± 0.455 $\chi^2/\text{NDF}: 4072.5/52$
 In: -47.353 ± 0.151 $\chi^2/\text{NDF}: 16487.8/47$
 Out: -49.038 ± 0.150 $\chi^2/\text{NDF}: 20646.8/52$

All: -48.201 ± 0.106 $\chi^2/\text{NDF}: 37197.3/100$

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.271 $\pm$ 0.534 χ^2 /NDF: 506.7/24

Left Out: 21.005 $\pm$ 0.139 χ^2 /NDF:2789.5/24

Right Out: 22.490 $\pm$ 0.543 χ^2 /NDF: 441.1/27

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

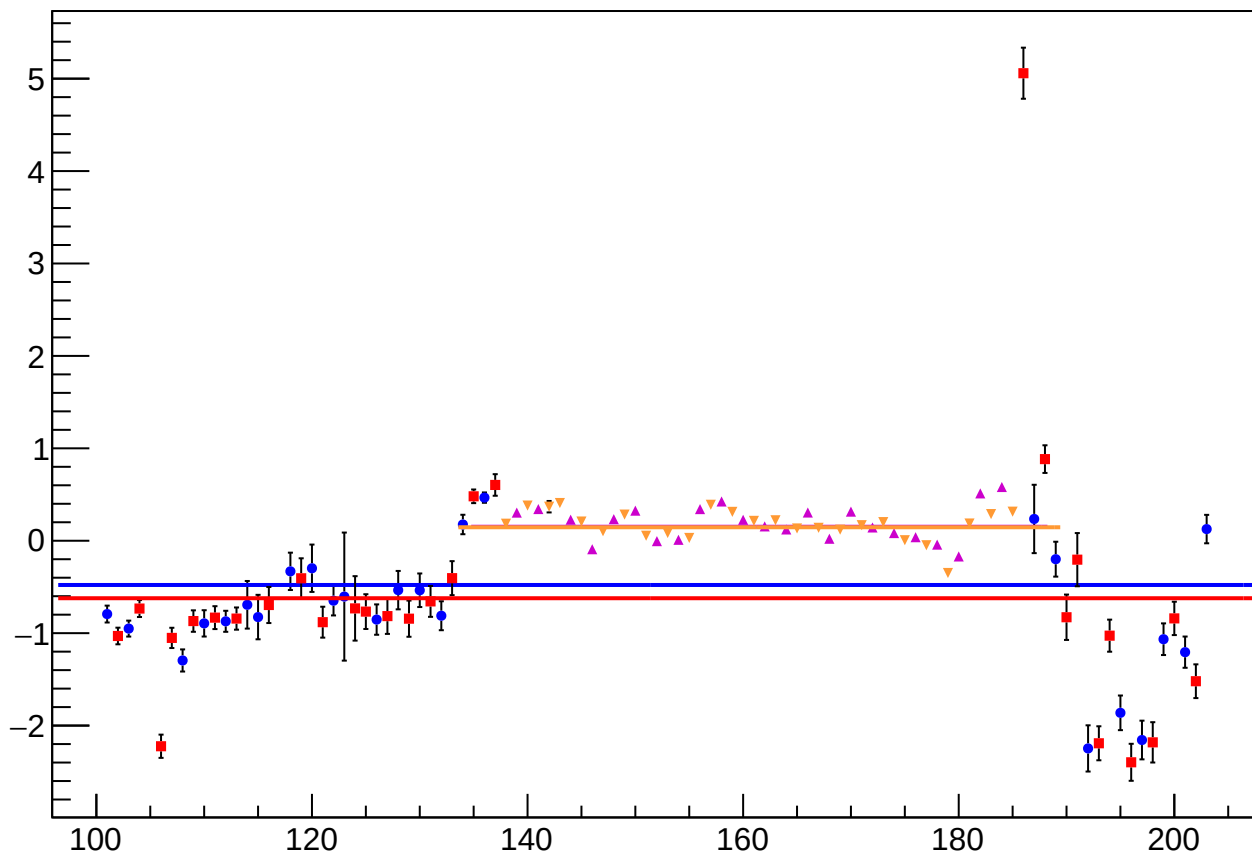
Right: 22.379 $\pm$ 0.381 χ^2 /NDF: 947.8/52

In: 21.145 $\pm$ 0.135 χ^2 /NDF:2688.2/47

Out: 21.096 $\pm$ 0.135 χ^2 /NDF:3237.6/52

All: 21.121 $\pm$ 0.095 χ^2 /NDF: 5925.9/100

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.479 ± 0.028 χ^2/NDF : 669.0/24

Left Out: 0.146 ± 0.006 χ^2/NDF : 609.8/24

Right Out: -0.622 ± 0.027 χ^2/NDF : 1312.5/27

Left In: 0.151 ± 0.006 χ^2/NDF : 873.9/22

Left: 0.149 ± 0.004 χ^2/NDF : 1484.1/47

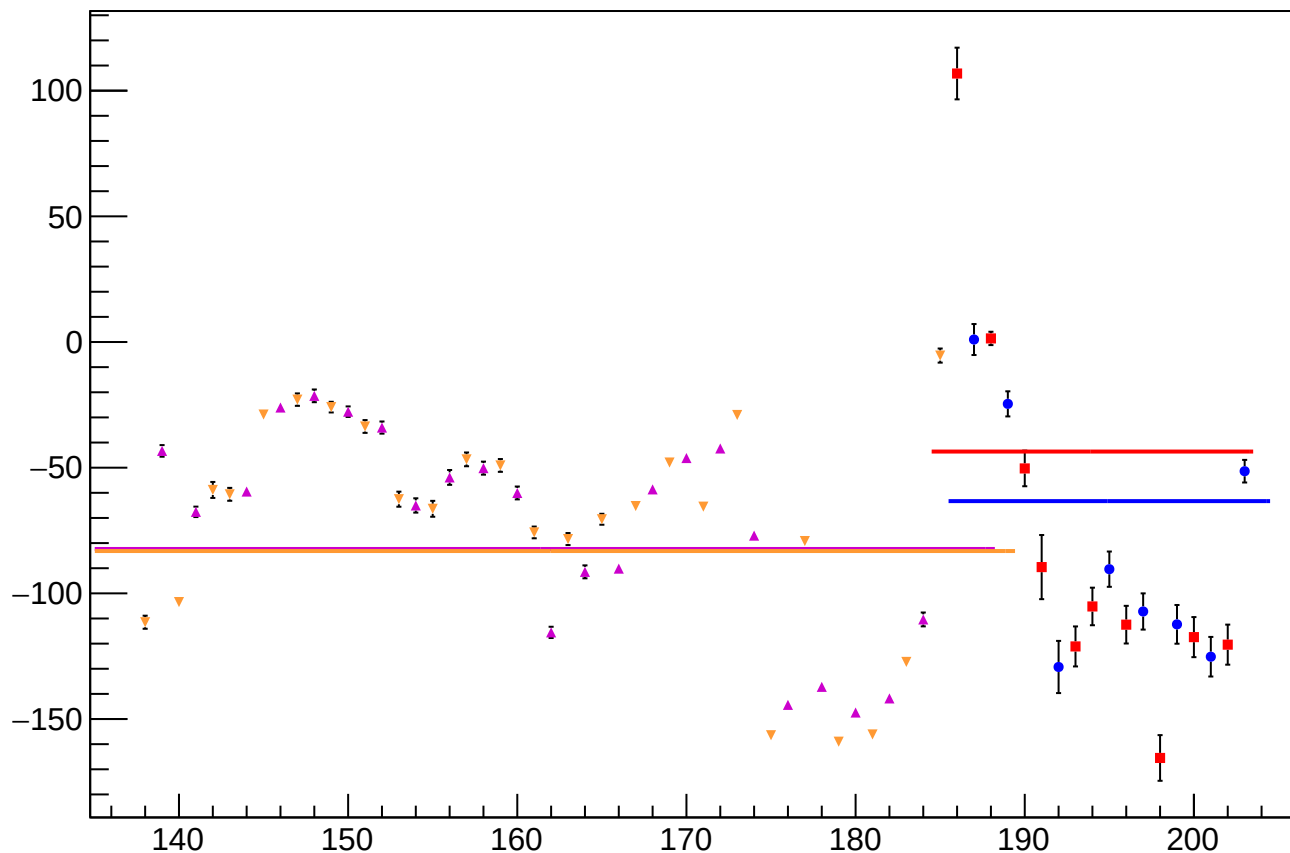
Right: -0.551 ± 0.019 χ^2/NDF : 1995.2/52

In: 0.119 ± 0.006 χ^2/NDF : 2040.1/47

Out: 0.106 ± 0.006 χ^2/NDF : 2677.2/52

All: 0.113 ± 0.004 χ^2/NDF : 4719.5/100

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -63.301 ± 2.249 χ^2/NDF : 370.5/7

Left Out: -83.163 ± 0.407 χ^2/NDF : 13794.3/24

Right Out: -43.581 ± 1.915 χ^2/NDF : 1121.7/9

Left In: -82.342 ± 0.413 χ^2/NDF : 10954.9/22

Left: -82.758 ± 0.290 χ^2/NDF : 24751.3/47

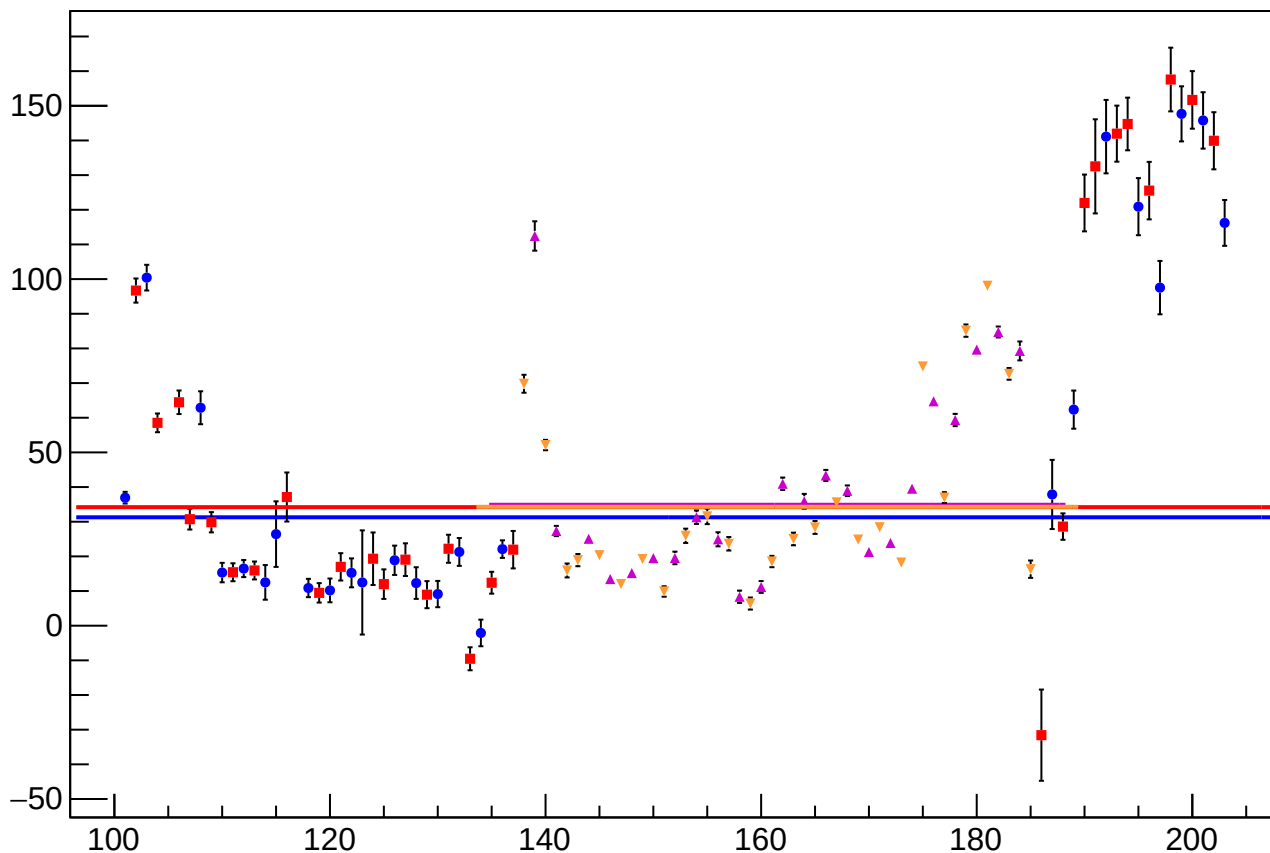
Right: -51.868 ± 1.458 χ^2/NDF : 1536.8/17

In: -81.721 ± 0.406 χ^2/NDF : 11394.8/30

Out: -81.452 ± 0.398 χ^2/NDF : 15324.8/34

All: -81.584 ± 0.284 χ^2/NDF : 26719.8/65

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 31.277 $\pm$ 0.768 χ^2 /NDF: 1665.2/24

Left Out: 34.306 $\pm$ 0.321 χ^2 /NDF:6163.7/24

Right Out: 34.199 $\pm$ 0.767 χ^2 /NDF: 2254.4/27

Left In: 34.893 $\pm$ 0.328 χ^2 /NDF:4754.6/22

Left: 34.593 $\pm$ 0.229 χ^2 /NDF: 10919.9/47

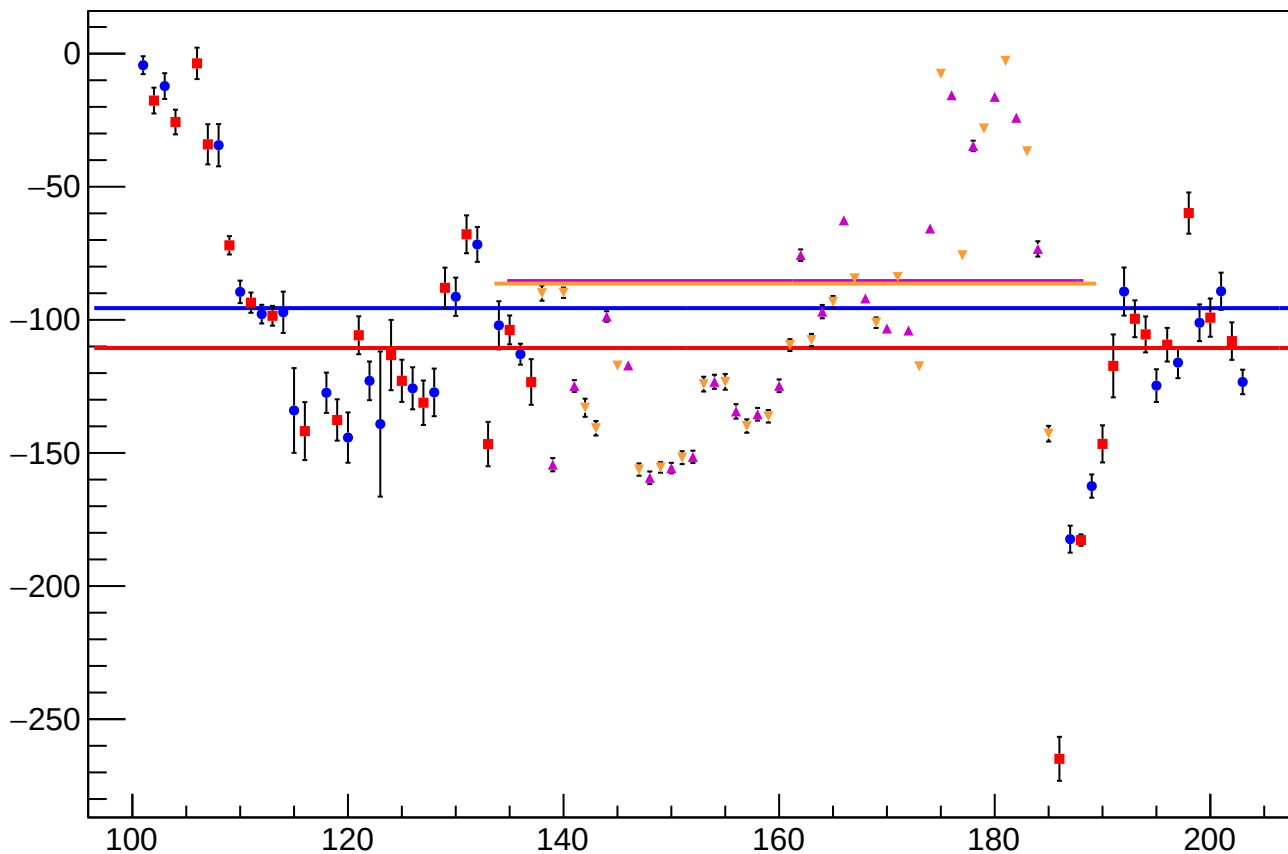
Right: 32.738 $\pm$ 0.543 χ^2 /NDF: 3926.9/52

In: 34.334 $\pm$ 0.302 χ^2 /NDF:6438.6/47

Out: 34.290 $\pm$ 0.296 χ^2 /NDF:8418.2/52

All: 34.312 $\pm$ 0.211 χ^2 /NDF: 14856.7/100

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -95.595 ± 1.155 χ^2/NDF : 1820.4/24

Left Out: -86.377 ± 0.409 χ^2/NDF : 14435.1/24

Right Out: -110.569 ± 1.040 χ^2/NDF : 2943.1/27

Left In: -85.441 ± 0.413 χ^2/NDF : 12998.9/22

Left: -85.914 ± 0.291 χ^2/NDF : 27436.5/47

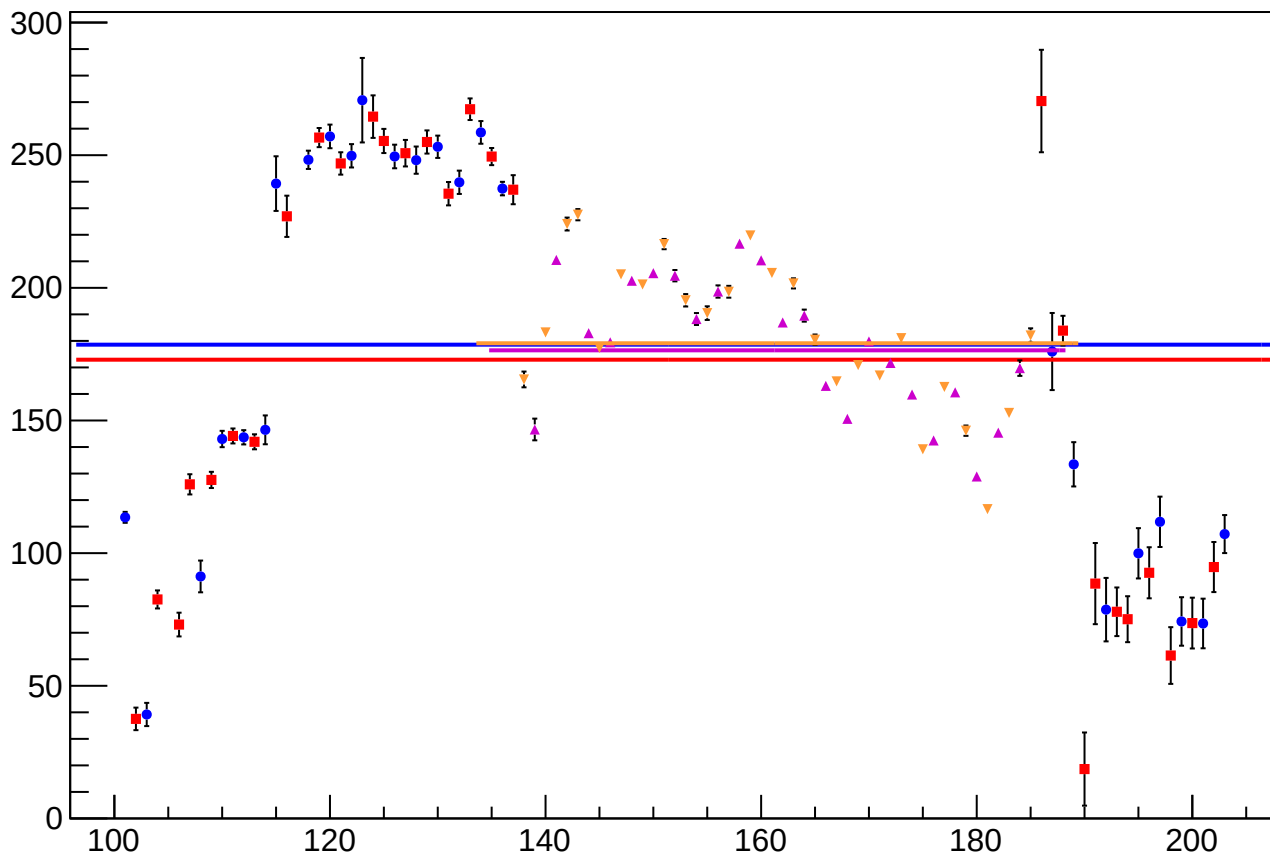
Right: -103.867 ± 0.773 χ^2/NDF : 4856.3/52

In: -86.592 ± 0.389 χ^2/NDF : 14887.7/47

Out: -89.619 ± 0.381 χ^2/NDF : 17846.8/52

All: -88.138 ± 0.272 χ^2/NDF : 32765.4/100

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 178.581 $\pm$ 0.881 χ^2 /NDF: 6013.0/24

Left Out: 179.109 $\pm$ 0.363 χ^2 /NDF:5877.5/24

Right Out: 172.917 $\pm$ 0.885 χ^2 /NDF: 6978.5/27

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

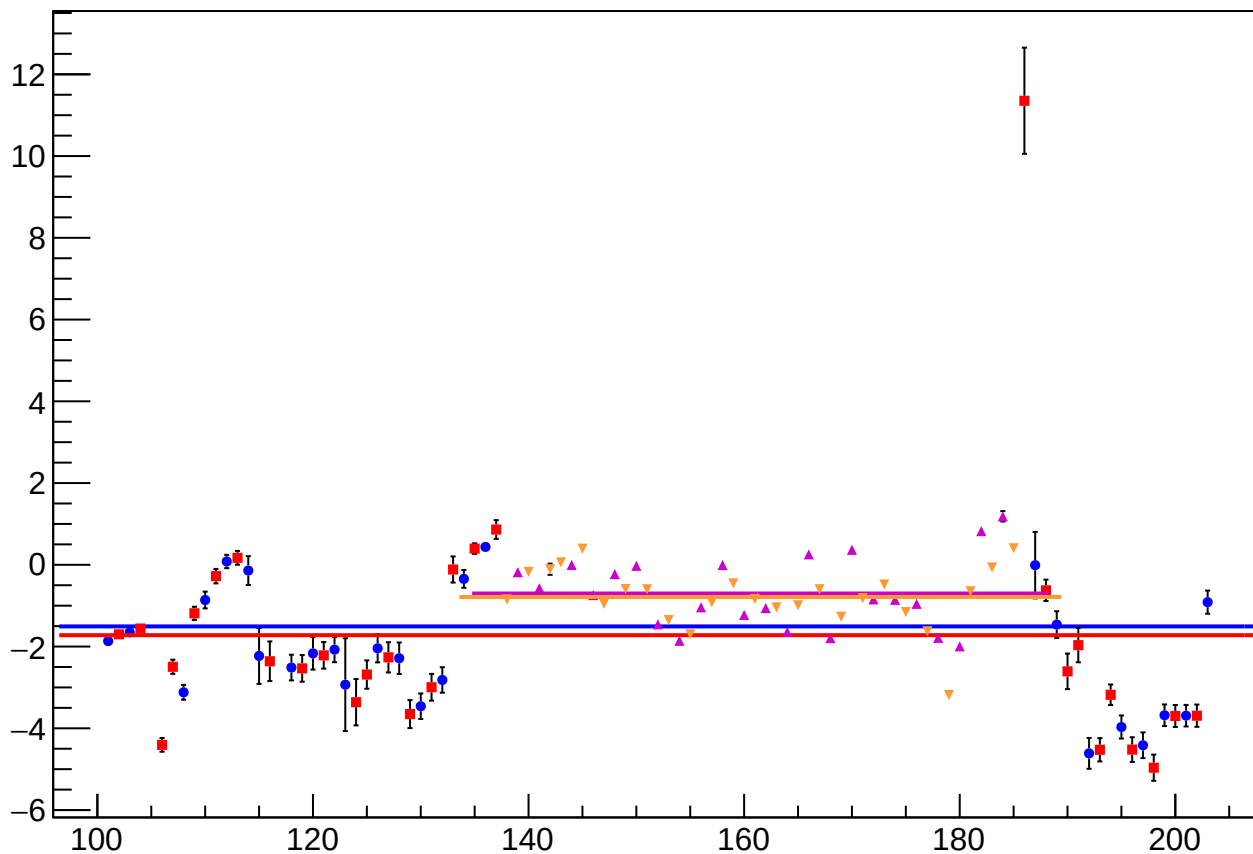
Right: 175.762 $\pm$ 0.624 χ^2 /NDF: 13012.1/52

In: 176.768 $\pm$ 0.341 χ^2 /NDF:10460.1/47

Out: 178.219 $\pm$ 0.336 χ^2 /NDF:12897.9/52

All: 177.505 $\pm$ 0.239 χ^2 /NDF: 23367.2/100

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.507 ± 0.044 χ^2/NDF : 1038.1/24

Left Out: -0.787 ± 0.017 χ^2/NDF : 1760.7/24

Right Out: -1.722 ± 0.042 χ^2/NDF : 1524.1/27

Left In: -0.702 ± 0.017 χ^2/NDF : 2421.3/22

Left: -0.745 ± 0.012 χ^2/NDF : 4194.8/47

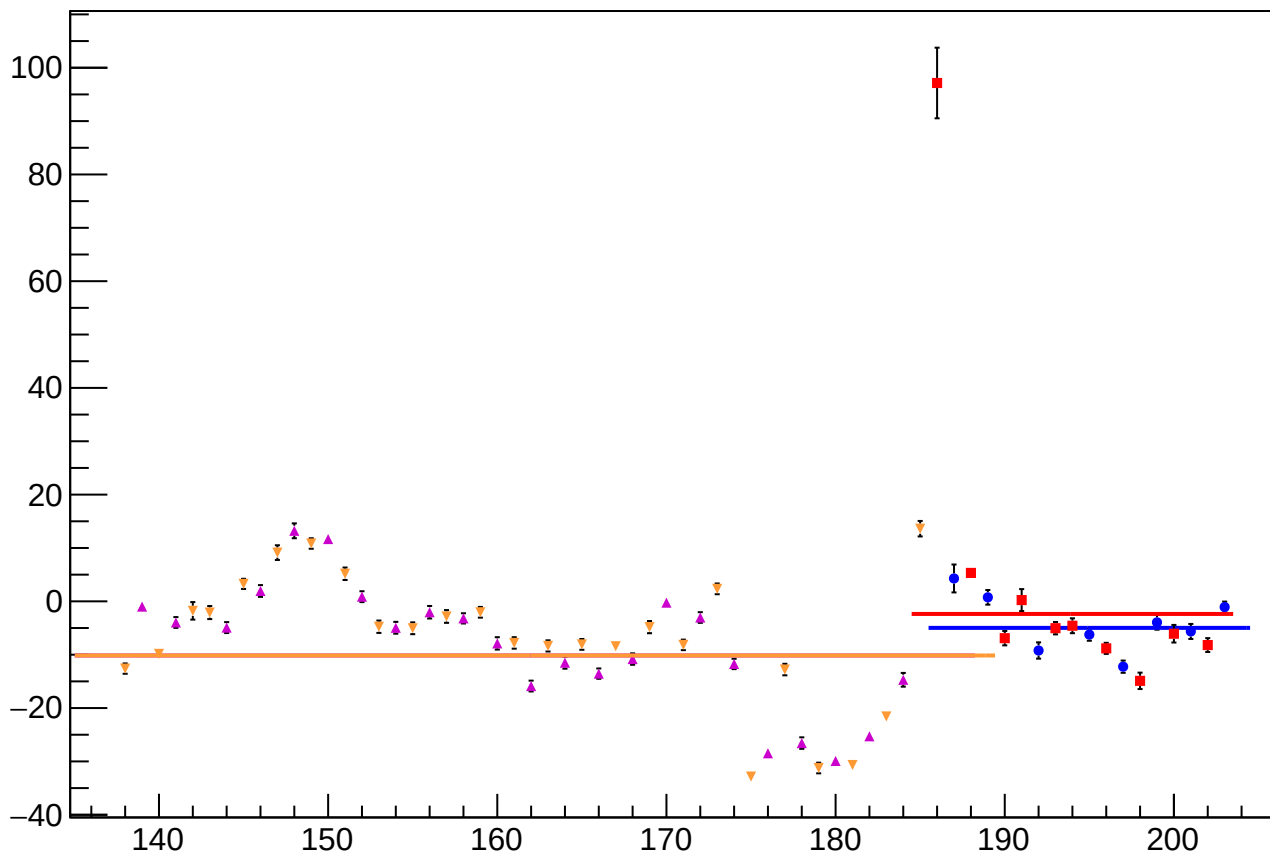
Right: -1.620 ± 0.030 χ^2/NDF : 2574.6/52

In: -0.804 ± 0.016 χ^2/NDF : 3750.4/47

Out: -0.915 ± 0.015 χ^2/NDF : 3717.6/52

All: -0.861 ± 0.011 χ^2/NDF : 7493.0/100

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.973 ± 0.467 $\chi^2/\text{NDF}: 94.2/7$

Left Out: -10.147 ± 0.202 $\chi^2/\text{NDF}: 4128.5/24$

Right Out: -2.364 ± 0.383 $\chi^2/\text{NDF}: 521.2/9$

Left In: -10.149 ± 0.204 $\chi^2/\text{NDF}: 3491.7/22$

Left: -10.148 ± 0.143 $\chi^2/\text{NDF}: 7620.2/47$

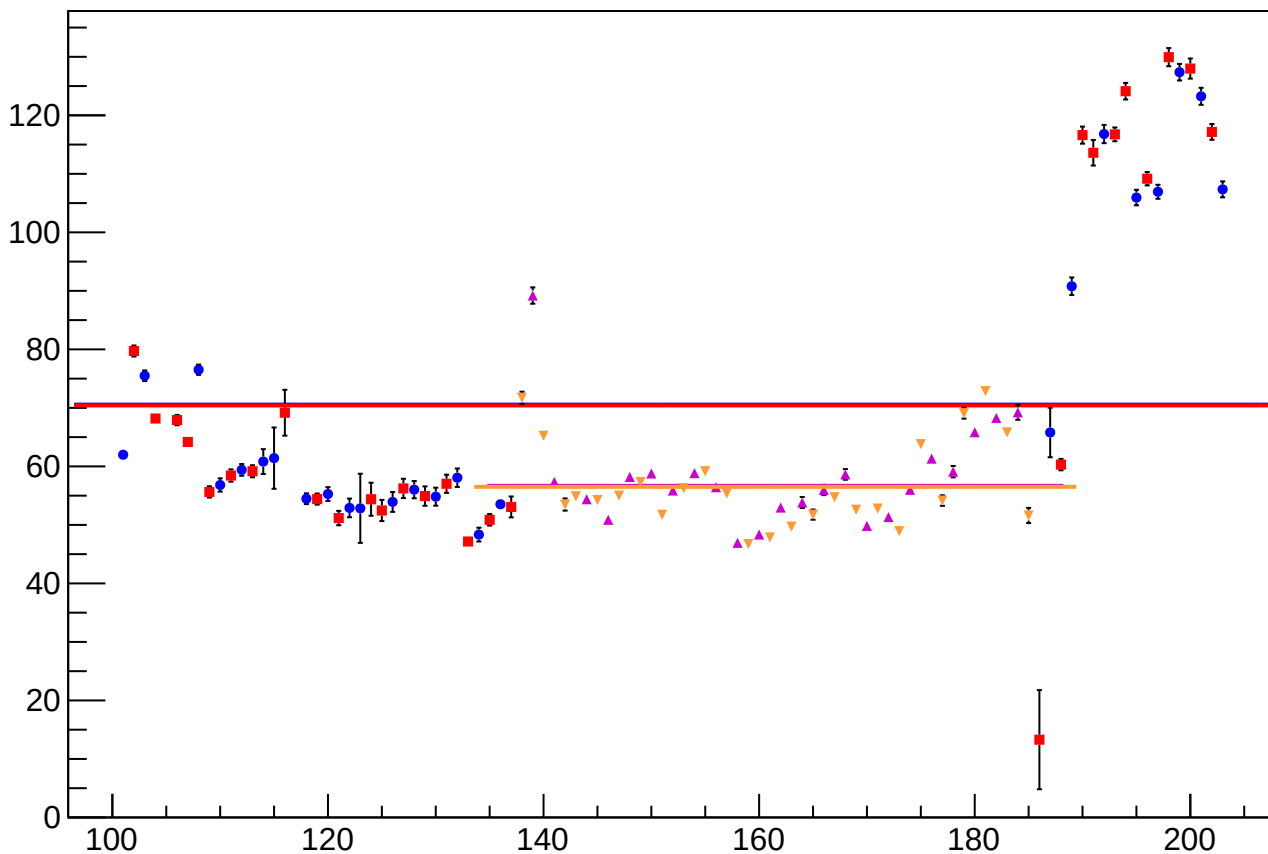
Right: -3.415 ± 0.296 $\chi^2/\text{NDF}: 634.1/17$

In: -9.319 ± 0.187 $\chi^2/\text{NDF}: 3689.1/30$

Out: -8.457 ± 0.179 $\chi^2/\text{NDF}: 4972.8/34$

All: -8.869 ± 0.129 $\chi^2/\text{NDF}: 8673.1/65$

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 70.555+/-0.234 χ^2/NDF : 8739.4/24

Left Out: 56.508+/-0.159 χ^2/NDF :1962.3/24

Right Out: 70.415+/-0.218 χ^2/NDF : 12727.7/27

Left In: 56.674+/-0.165 χ^2/NDF :1679.8/22

Left: 56.588+/-0.114 χ^2/NDF : 3642.7/47

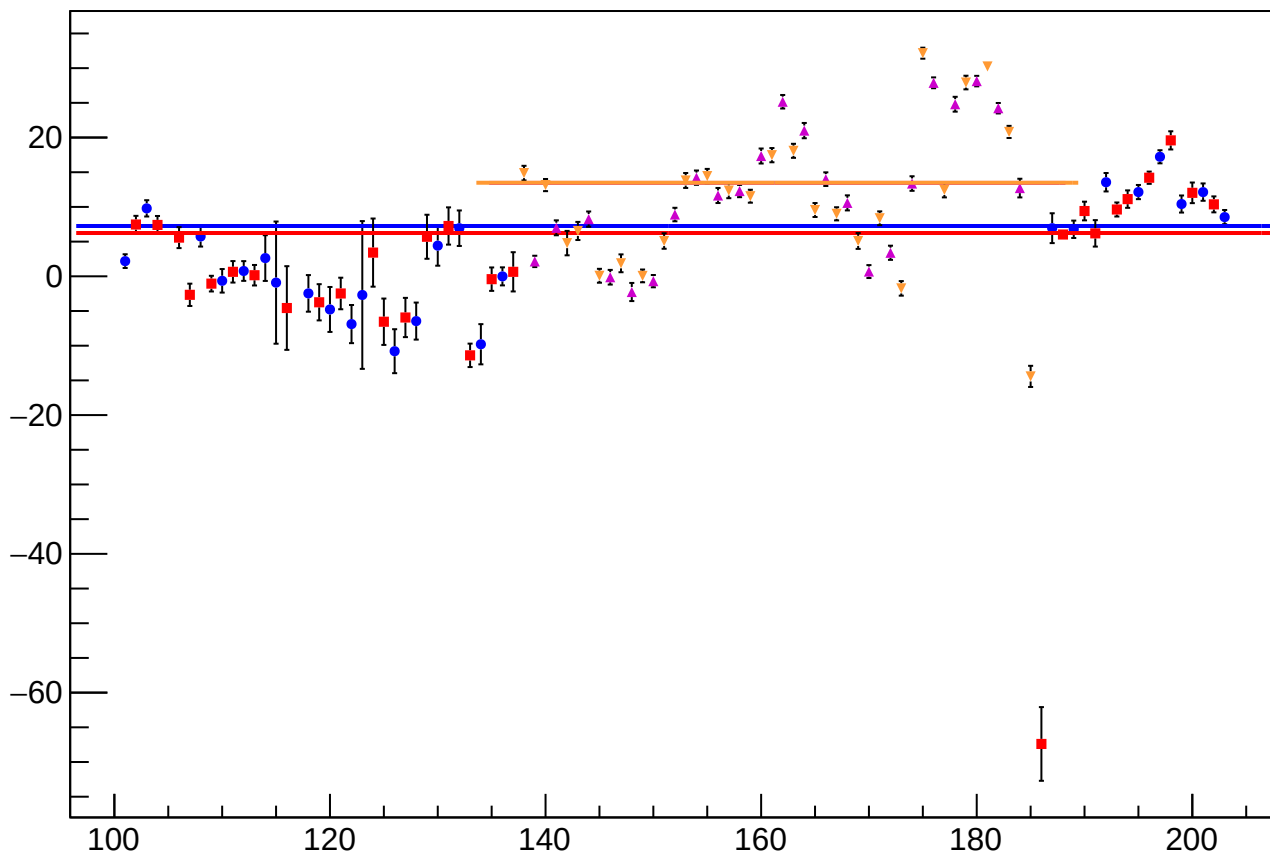
Right: 70.480+/-0.159 χ^2/NDF : 21467.3/52

In: 61.278+/-0.135 χ^2/NDF :12776.2/47

Out: 61.362+/-0.129 χ^2/NDF :17351.2/52

All: 61.322+/-0.093 χ^2/NDF : 30127.6/100

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.252 ± 0.308 χ^2/NDF : 437.9/24

Left Out: 13.485 ± 0.202 χ^2/NDF : 2731.0/24

Right Out: 6.241 ± 0.261 χ^2/NDF : 736.6/27

Left In: 13.456 ± 0.203 χ^2/NDF : 2371.9/22

Left: 13.471 ± 0.143 χ^2/NDF : 5102.9/47

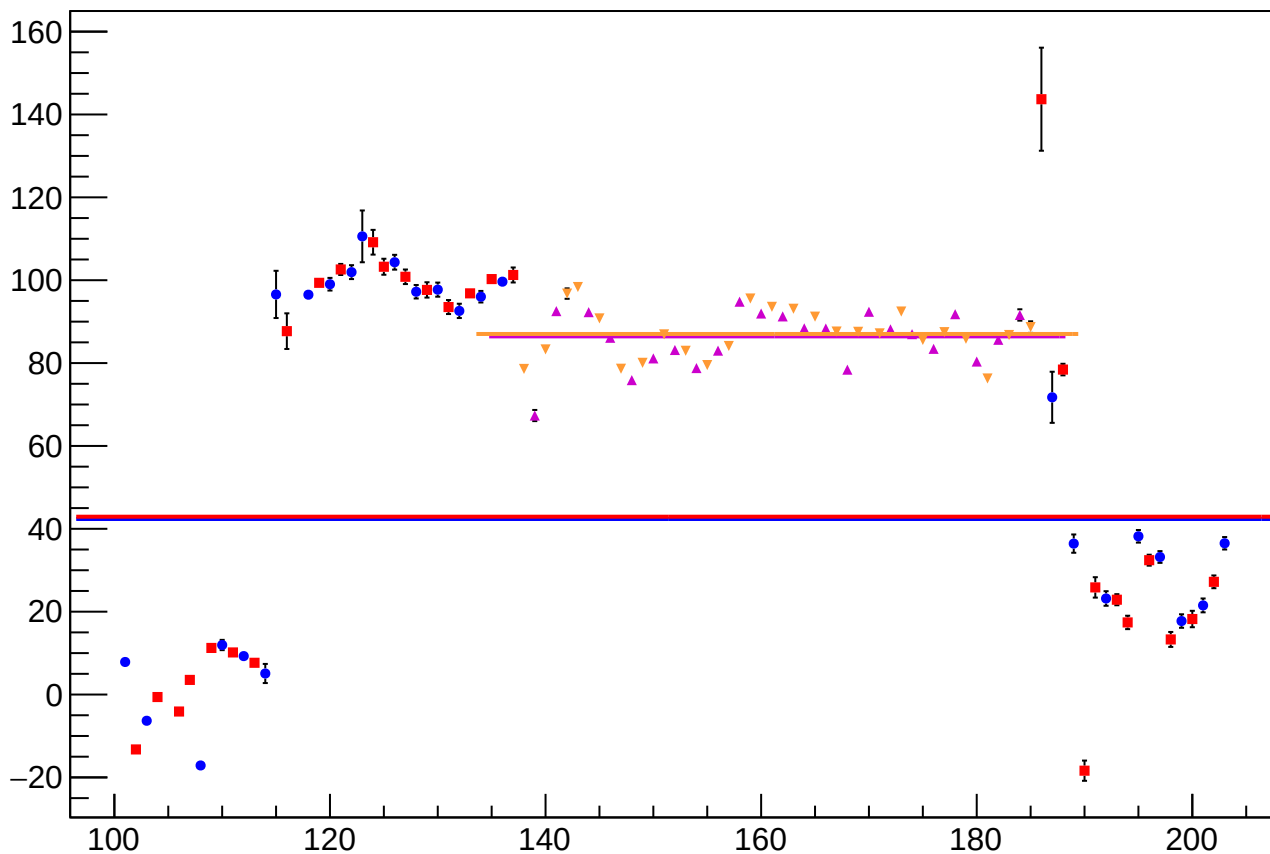
Right: 6.663 ± 0.199 χ^2/NDF : 1180.7/52

In: 11.579 ± 0.170 χ^2/NDF : 3092.2/47

Out: 10.776 ± 0.160 χ^2/NDF : 3949.2/52

All: 11.154 ± 0.116 χ^2/NDF : 7053.3/100

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.370 $\pm$ 0.272 χ^2 /NDF: 25764.6/24

Left Out: 87.023 $\pm$ 0.179 χ^2 /NDF:1057.2/24

Right Out: 42.923 $\pm$ 0.257 χ^2 /NDF: 30463.1/27

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

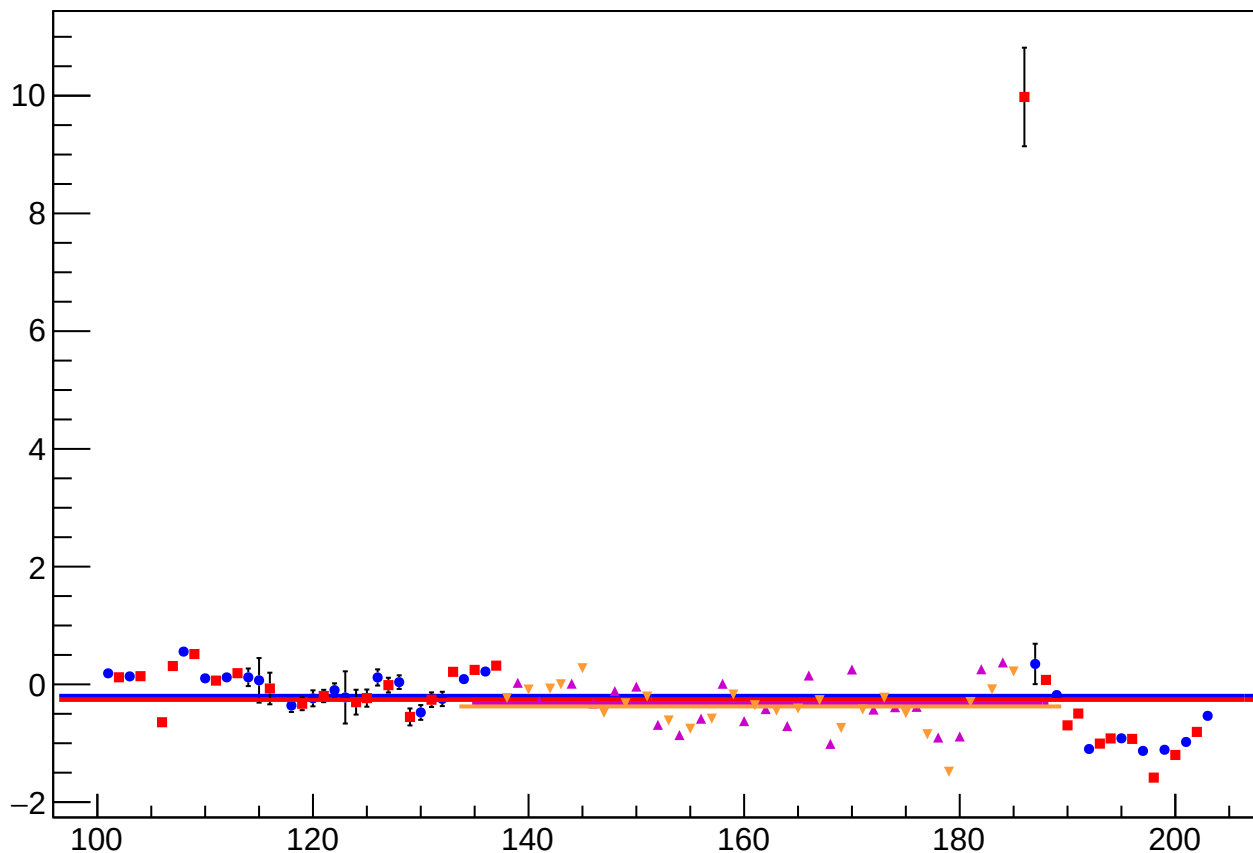
Right: 42.662 $\pm$ 0.187 χ^2 /NDF: 56229.9/52

In: 72.595 $\pm$ 0.152 χ^2 /NDF:44832.0/47

Out: 72.558 $\pm$ 0.147 χ^2 /NDF:51323.3/52

All: 72.575 $\pm$ 0.106 χ^2 /NDF: 96155.4/100

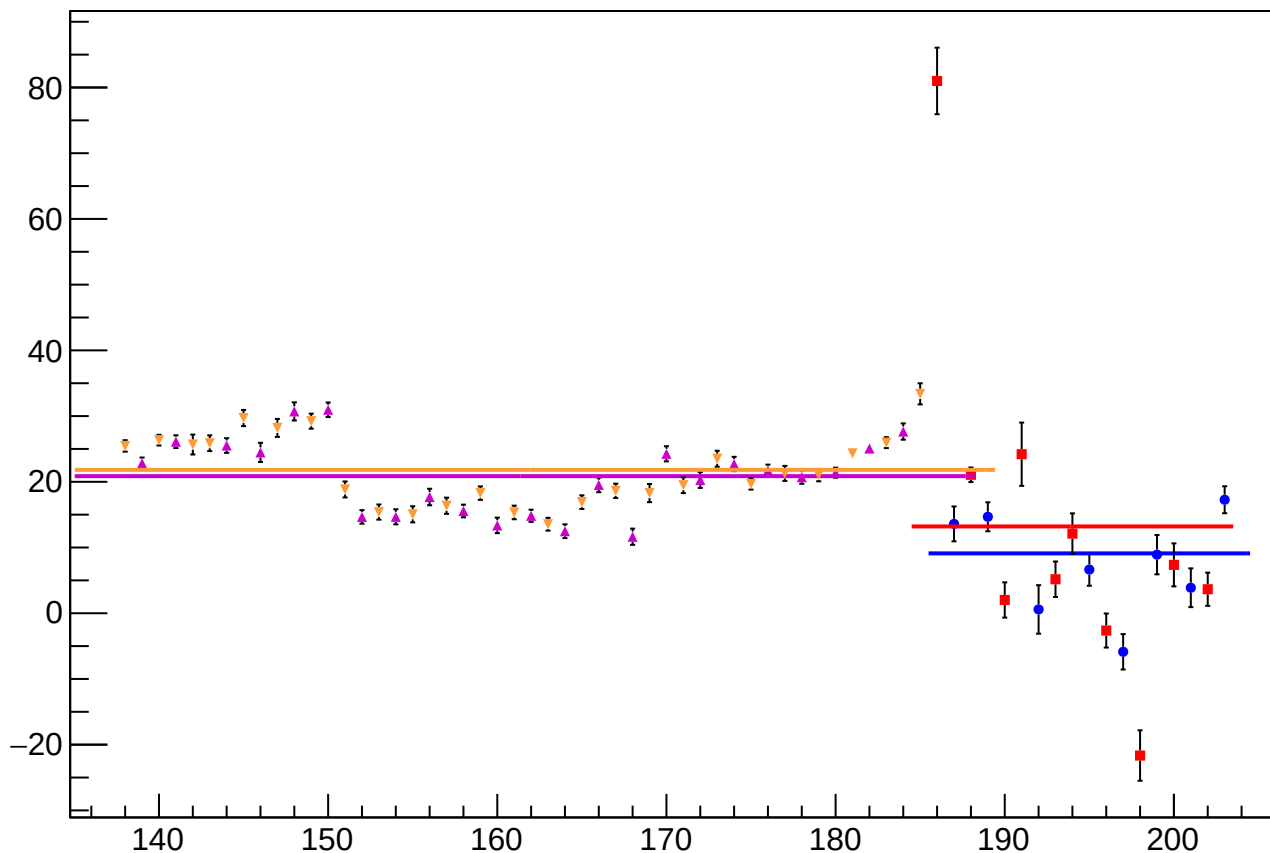
reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.195 ± 0.011 $\chi^2/\text{NDF}: 2676.1/24$
 Left Out: -0.375 ± 0.008 $\chi^2/\text{NDF}: 1657.5/24$
 Right Out: -0.264 ± 0.010 $\chi^2/\text{NDF}: 3325.5/27$
 Left In: -0.320 ± 0.008 $\chi^2/\text{NDF}: 2325.0/22$

Left: -0.348 ± 0.006 $\chi^2/\text{NDF}: 4005.2/47$
 Right: -0.232 ± 0.008 $\chi^2/\text{NDF}: 6022.1/52$
 In: -0.277 ± 0.007 $\chi^2/\text{NDF}: 5082.3/47$
 Out: -0.333 ± 0.006 $\chi^2/\text{NDF}: 5053.3/52$
 All: -0.306 ± 0.005 $\chi^2/\text{NDF}: 10172.5/100$

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 9.108 ± 0.918 $\chi^2/\text{NDF}: 65.5/7$

Left Out: 21.818 ± 0.210 $\chi^2/\text{NDF}: 522.7/24$

Right Out: 13.208 ± 0.757 $\chi^2/\text{NDF}: 398.6/9$

Left In: 20.860 ± 0.216 $\chi^2/\text{NDF}: 575.5/22$

Left: 21.351 ± 0.151 $\chi^2/\text{NDF}: 1108.3/47$

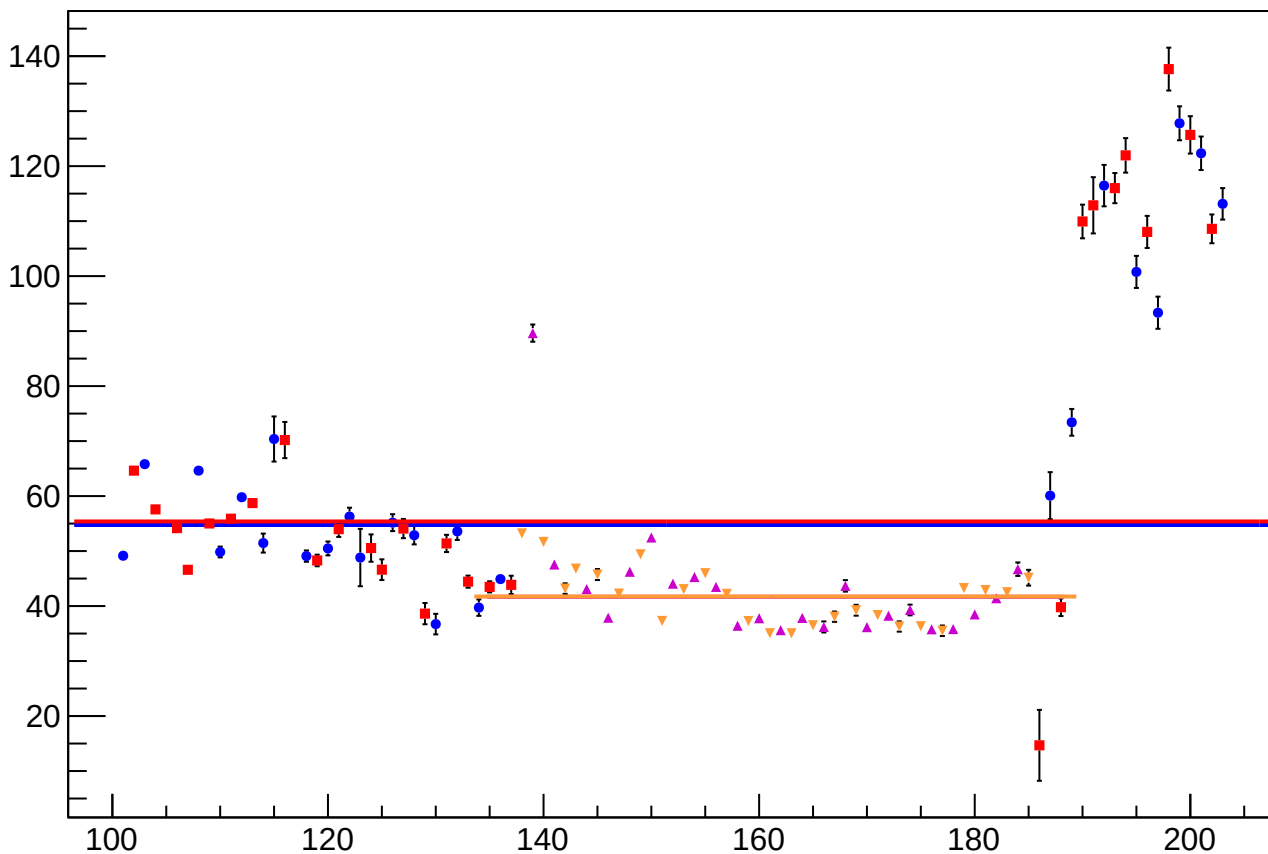
Right: 11.548 ± 0.584 $\chi^2/\text{NDF}: 476.0/17$

In: 20.246 ± 0.210 $\chi^2/\text{NDF}: 796.4/30$

Out: 21.201 ± 0.203 $\chi^2/\text{NDF}: 1041.5/34$

All: 20.740 ± 0.146 $\chi^2/\text{NDF}: 1848.7/65$

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 54.740 $\pm$ 0.206 χ^2 /NDF: 3489.1/24

Left Out: 41.732 $\pm$ 0.166 χ^2 /NDF:1014.0/24

Right Out: 55.382 $\pm$ 0.221 χ^2 /NDF: 4072.5/27

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

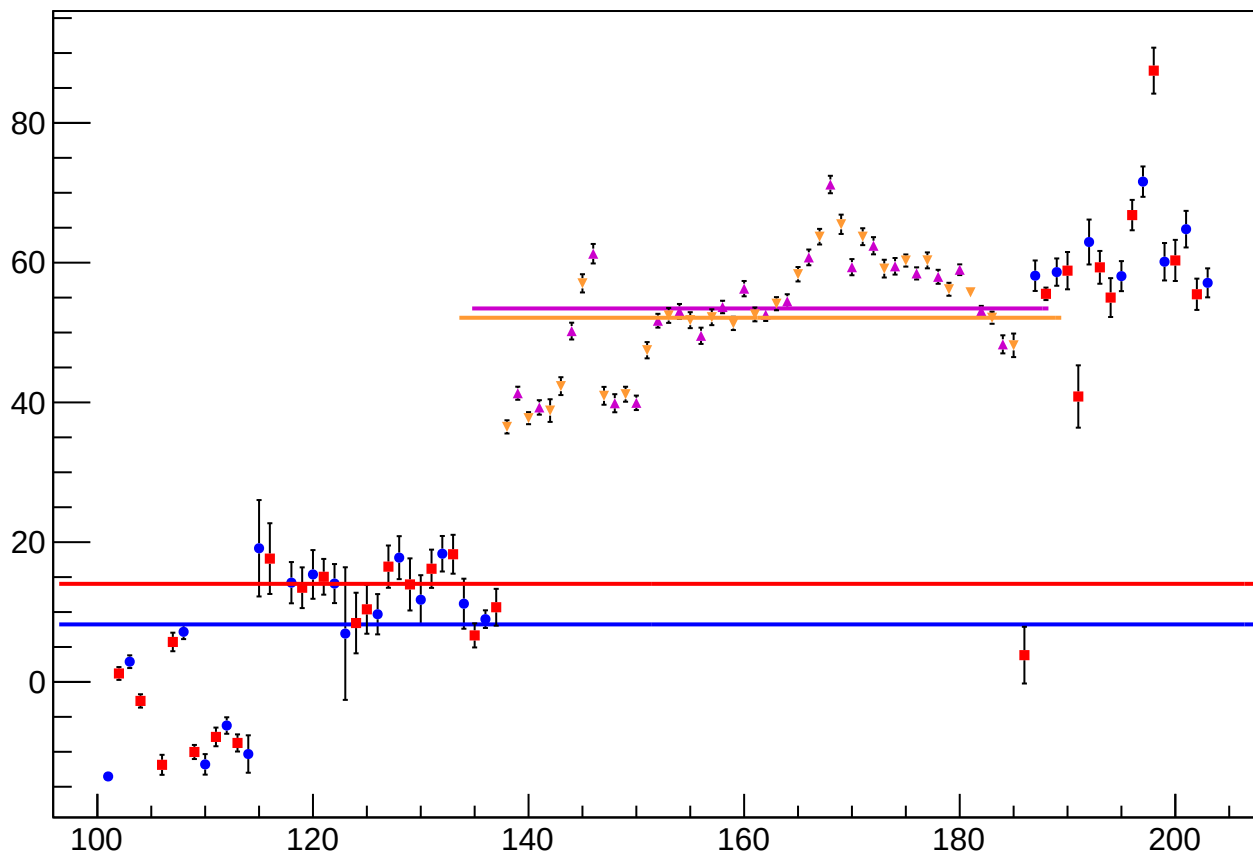
Right: 55.039 $\pm$ 0.151 χ^2 /NDF: 7566.0/52

In: 47.089 $\pm$ 0.133 χ^2 /NDF:7552.7/47

Out: 46.658 $\pm$ 0.133 χ^2 /NDF:7530.3/52

All: 46.873 $\pm$ 0.094 χ^2 /NDF: 15088.3/100

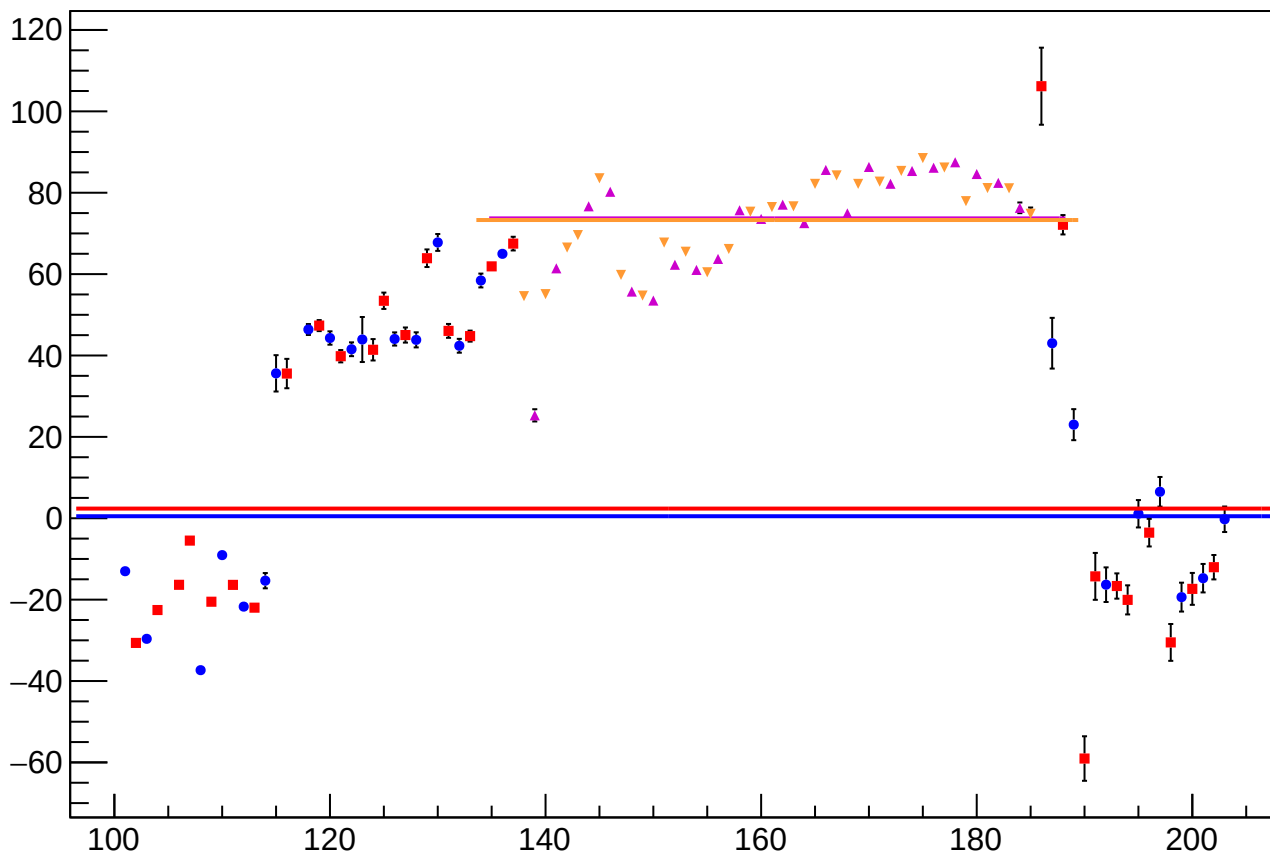
reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 8.232 ± 0.332 $\chi^2/\text{NDF}: 5952.2/24$
 Left Out: 52.116 ± 0.210 $\chi^2/\text{NDF}: 1445.4/24$
 Right Out: 14.037 ± 0.327 $\chi^2/\text{NDF}: 6829.8/27$
 Left In: 53.447 ± 0.214 $\chi^2/\text{NDF}: 1167.6/22$

Left: 52.769 ± 0.150 $\chi^2/\text{NDF}: 2632.6/47$
 Right: 11.178 ± 0.233 $\chi^2/\text{NDF}: 12937.2/52$
 In: 40.141 ± 0.180 $\chi^2/\text{NDF}: 20205.3/47$
 Out: 40.968 ± 0.177 $\chi^2/\text{NDF}: 17861.0/52$
 All: 40.562 ± 0.126 $\chi^2/\text{NDF}: 38077.0/100$

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.500 ± 0.242 χ^2/NDF : 18573.9/24

Left Out: 73.294 ± 0.187 χ^2/NDF : 3148.2/24

Right Out: 2.378 ± 0.261 χ^2/NDF : 16673.3/27

Left In: 73.699 ± 0.194 χ^2/NDF : 3901.1/22

Left: 73.489 ± 0.135 χ^2/NDF : 7051.6/47

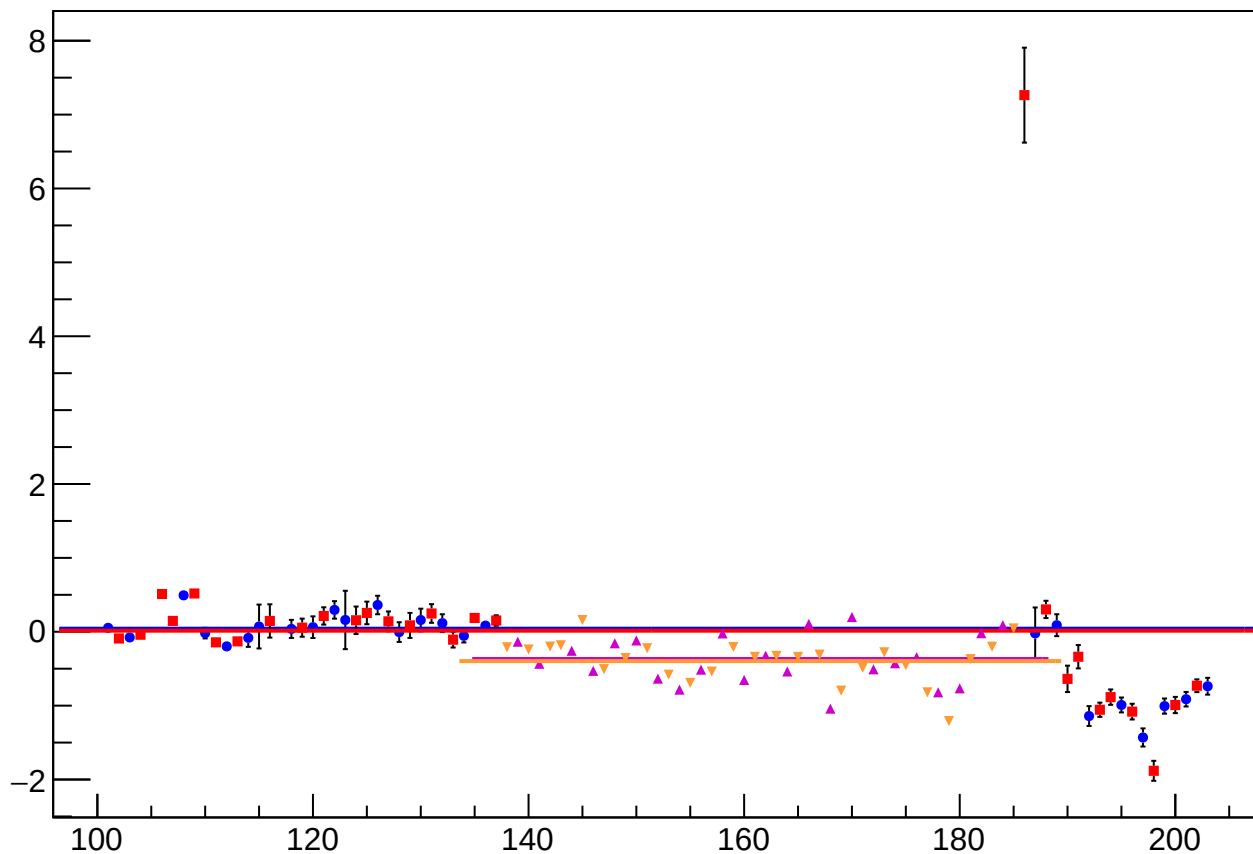
Right: 1.371 ± 0.178 χ^2/NDF : 35275.1/52

In: 45.157 ± 0.151 χ^2/NDF : 78067.1/47

Out: 49.146 ± 0.152 χ^2/NDF : 68613.4/52

All: 47.142 ± 0.107 χ^2/NDF : 147025.8/100

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.041 ± 0.011 $\chi^2/\text{NDF}: 1004.8/24$

Left Out: -0.397 ± 0.009 $\chi^2/\text{NDF}: 943.5/24$

Right Out: 0.015 ± 0.011 $\chi^2/\text{NDF}: 1239.3/27$

Left In: -0.369 ± 0.009 $\chi^2/\text{NDF}: 1322.7/22$

Left: -0.383 ± 0.006 $\chi^2/\text{NDF}: 2271.6/47$

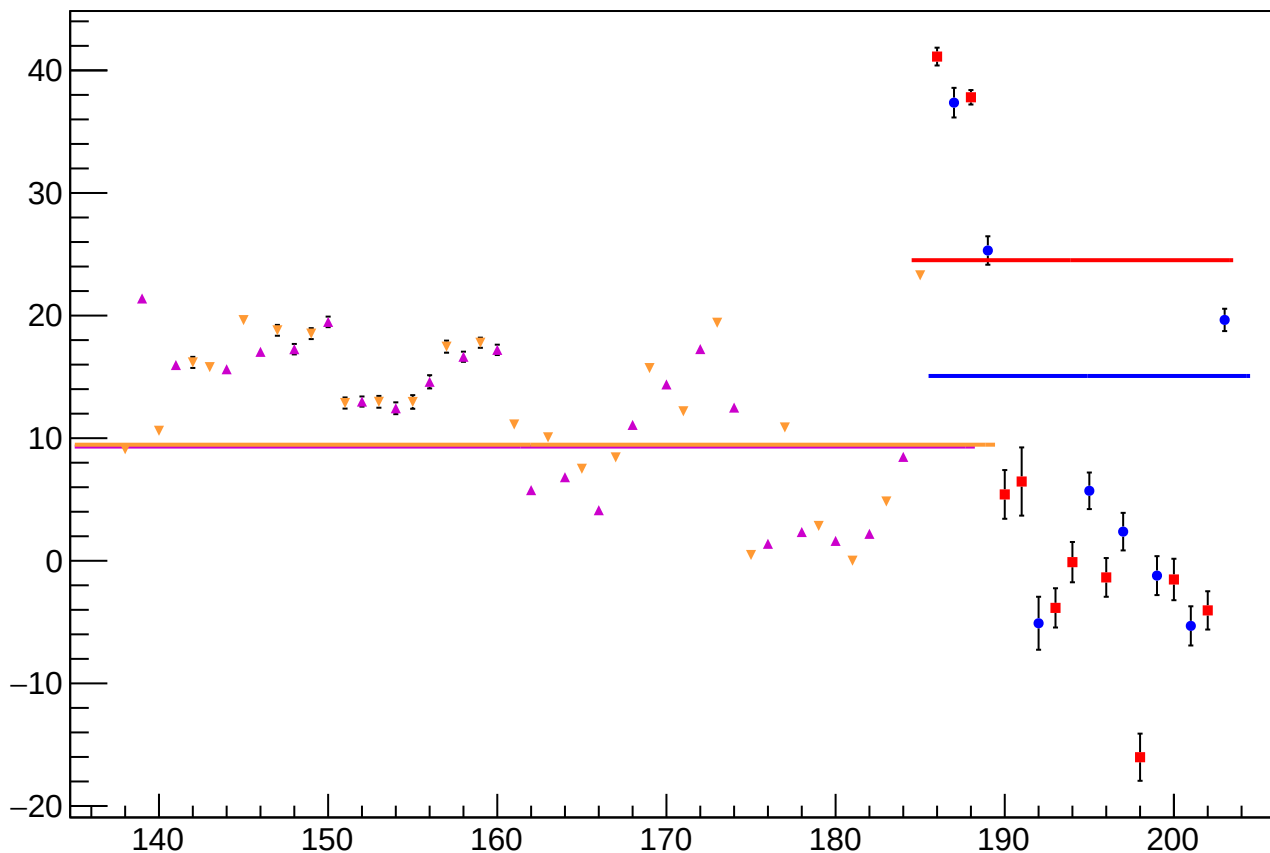
Right: 0.028 ± 0.008 $\chi^2/\text{NDF}: 2247.2/52$

In: -0.206 ± 0.007 $\chi^2/\text{NDF}: 3218.0/47$

Out: -0.235 ± 0.007 $\chi^2/\text{NDF}: 3092.3/52$

All: -0.221 ± 0.005 $\chi^2/\text{NDF}: 6319.6/100$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 15.075 $\pm$ 0.471 χ^2 /NDF: 906.5/7

Left Out: 9.470 $\pm$ 0.061 χ^2 /NDF:12578.0/24

Right Out: 24.518 $\pm$ 0.369 χ^2 /NDF: 2985.0/9

Left In: 9.315 $\pm$ 0.063 χ^2 /NDF:11007.3/22

Left: 9.394 $\pm$ 0.044 χ^2 /NDF: 23588.5/47

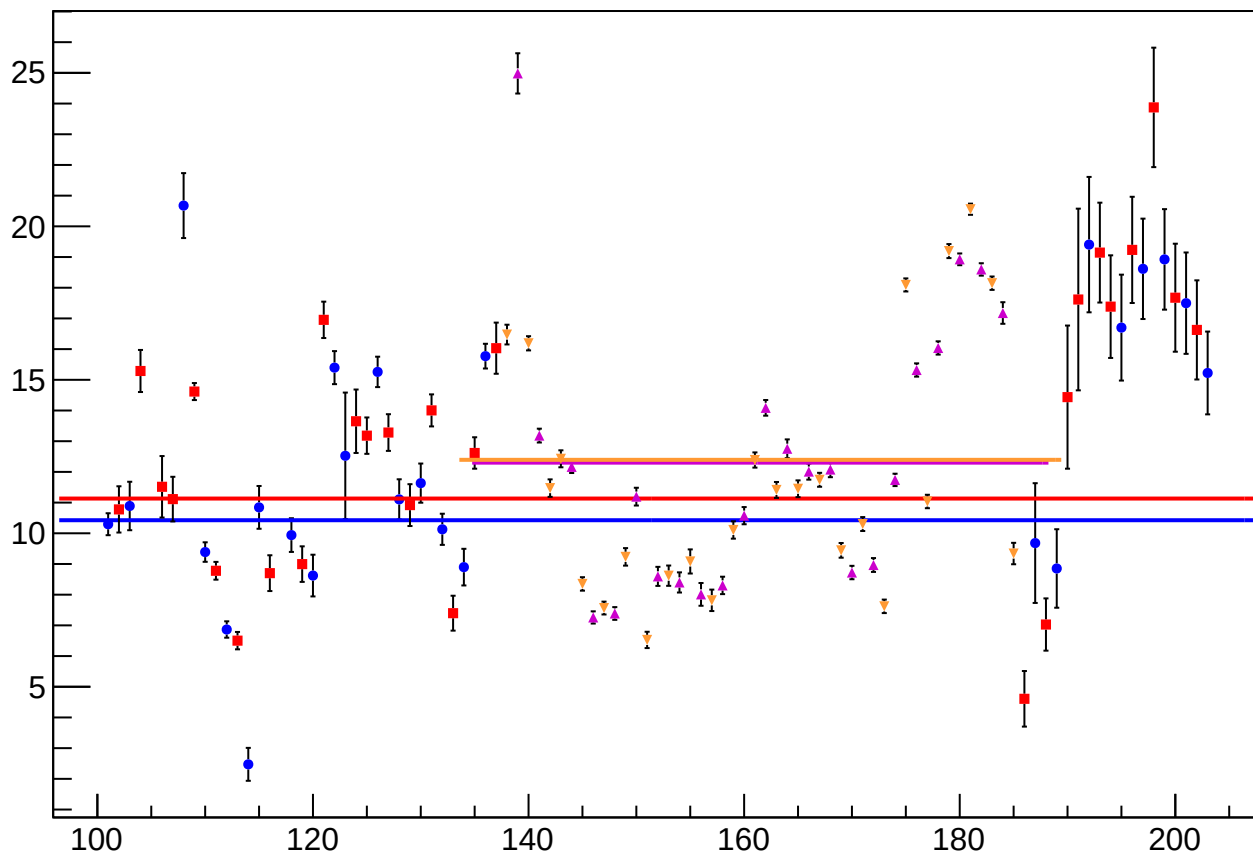
Right: 20.920 $\pm$ 0.291 χ^2 /NDF: 4140.5/17

In: 9.415 $\pm$ 0.062 χ^2 /NDF:12060.9/30

Out: 9.874 $\pm$ 0.061 χ^2 /NDF:17178.4/34

All: 9.651 $\pm$ 0.043 χ^2 /NDF: 29267.2/65

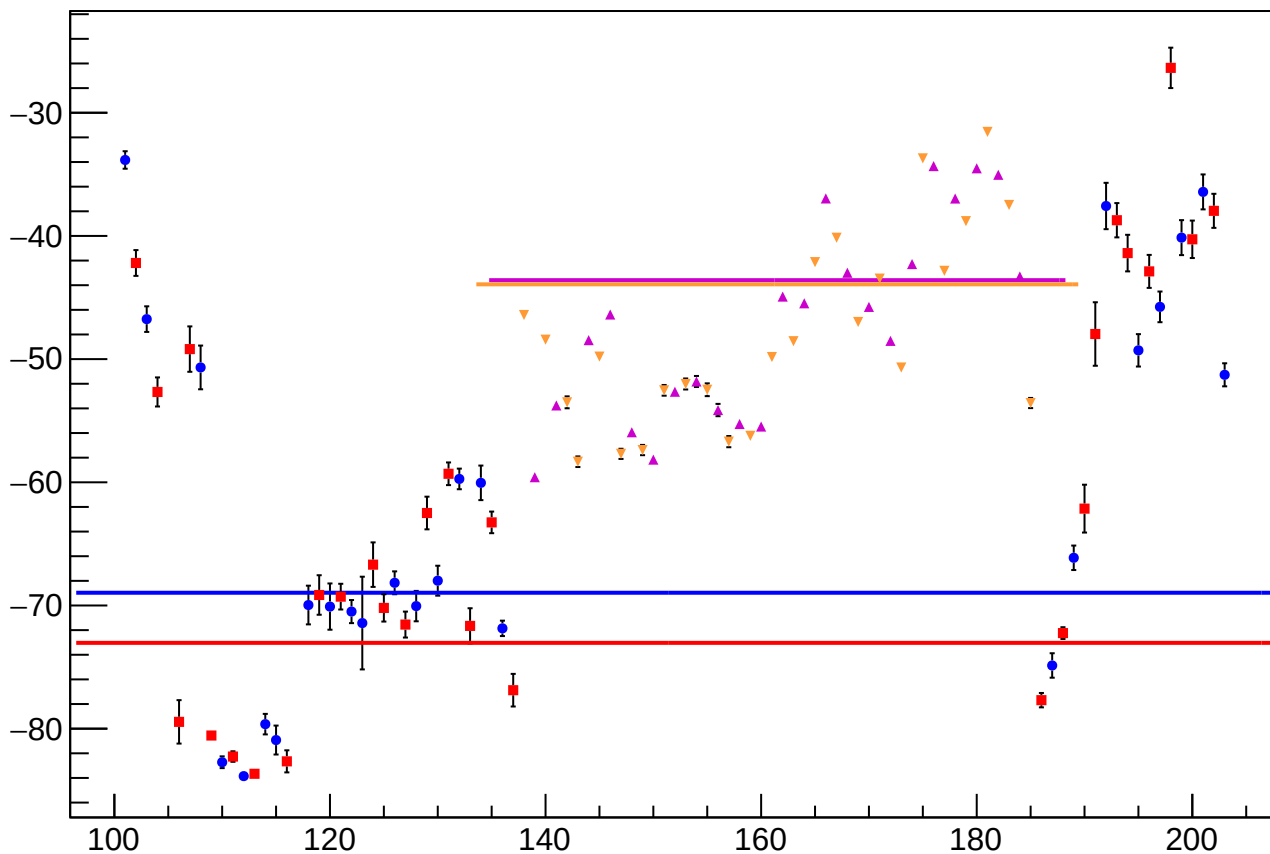
reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.426 ± 0.116 $\chi^2/\text{NDF}: 994.9/24$
 Left Out: 12.393 ± 0.050 $\chi^2/\text{NDF}: 7525.9/24$
 Right Out: 11.132 ± 0.113 $\chi^2/\text{NDF}: 1013.6/27$
 Left In: 12.302 ± 0.051 $\chi^2/\text{NDF}: 5661.3/22$

Left: 12.349 ± 0.036 $\chi^2/\text{NDF}: 13188.8/47$
 Right: 10.790 ± 0.081 $\chi^2/\text{NDF}: 2027.5/52$
 In: 11.999 ± 0.047 $\chi^2/\text{NDF}: 6874.1/47$
 Out: 12.187 ± 0.046 $\chi^2/\text{NDF}: 8644.2/52$
 All: 12.096 ± 0.033 $\chi^2/\text{NDF}: 15526.6/100$

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.965 ± 0.179 $\chi^2/\text{NDF}: 8024.2/24$

Left Out: -43.930 ± 0.062 $\chi^2/\text{NDF}: 17576.0/24$

Right Out: -73.033 ± 0.156 $\chi^2/\text{NDF}: 7200.9/27$

Left In: -43.591 ± 0.063 $\chi^2/\text{NDF}: 15574.9/22$

Left: -43.763 ± 0.044 $\chi^2/\text{NDF}: 33165.5/47$

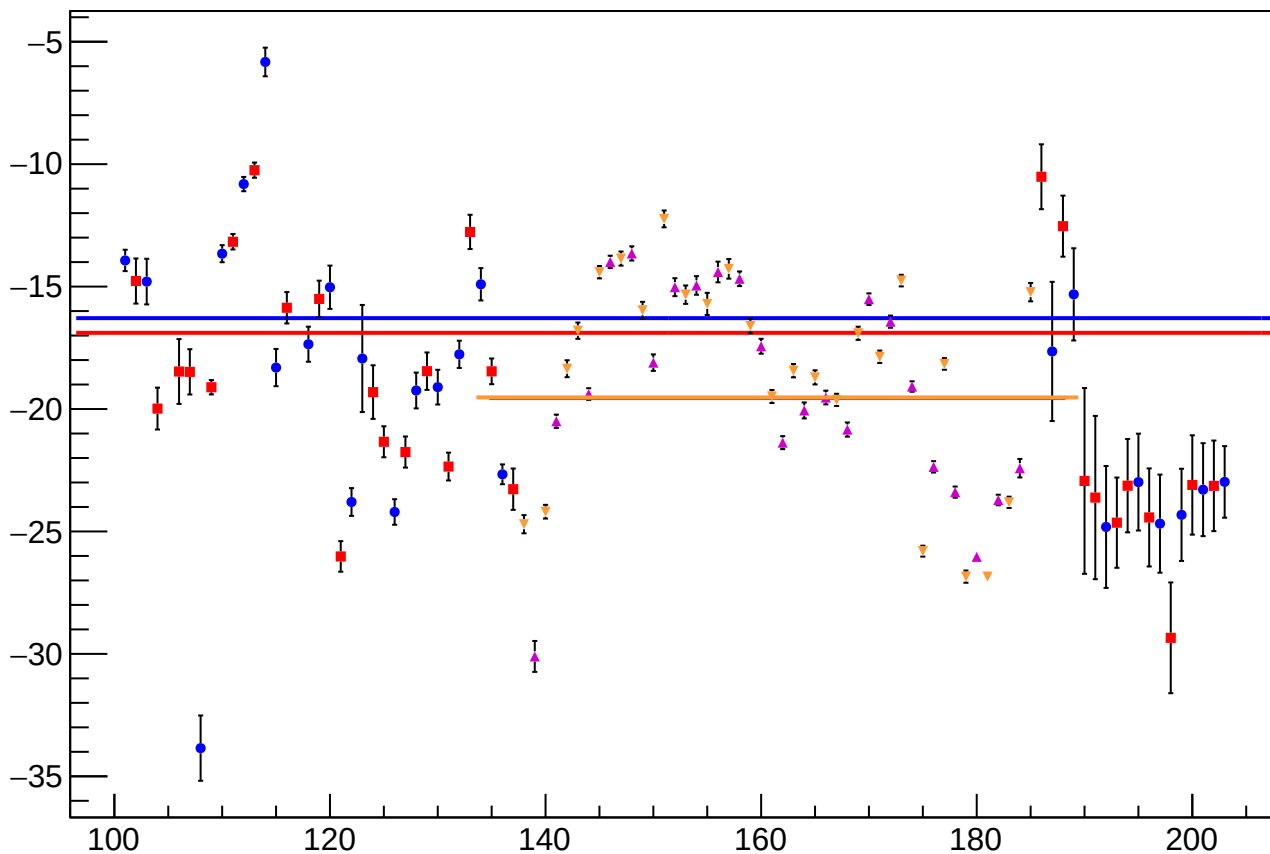
Right: -71.274 ± 0.118 $\chi^2/\text{NDF}: 15518.6/52$

In: -46.397 ± 0.059 $\chi^2/\text{NDF}: 41497.7/47$

Out: -47.897 ± 0.058 $\chi^2/\text{NDF}: 54791.7/52$

All: -47.171 ± 0.041 $\chi^2/\text{NDF}: 96617.5/100$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected

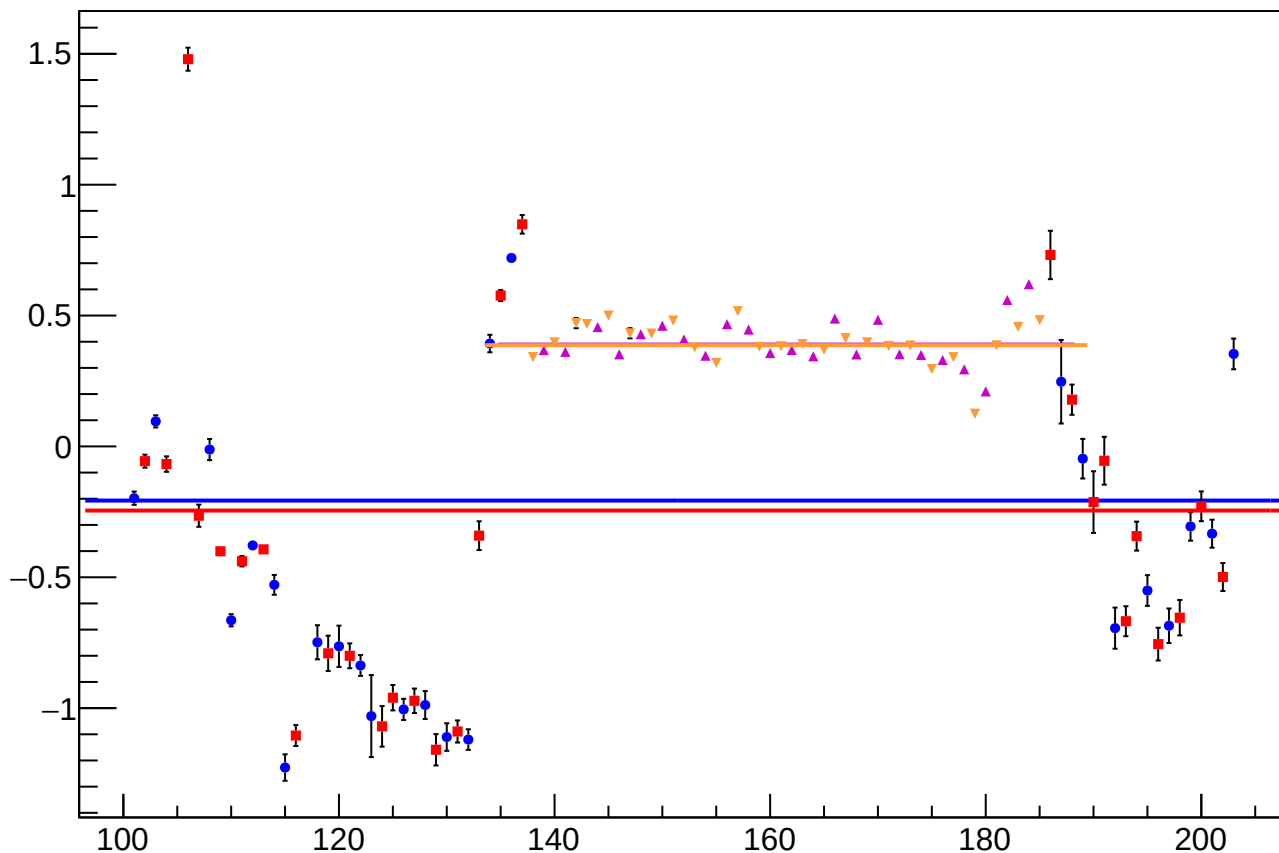


Right In: -16.289 ± 0.130 $\chi^2/\text{NDF}: 1737.6/24$
 Left Out: -19.526 ± 0.056 $\chi^2/\text{NDF}: 6493.0/24$
 Right Out: -16.887 ± 0.125 $\chi^2/\text{NDF}: 1342.5/27$
 Left In: -19.552 ± 0.057 $\chi^2/\text{NDF}: 4359.1/22$

Left: -19.539 ± 0.040 $\chi^2/\text{NDF}: 10852.2/47$
 Right: -16.599 ± 0.090 $\chi^2/\text{NDF}: 3091.1/52$
 In: -19.022 ± 0.052 $\chi^2/\text{NDF}: 6626.4/47$
 Out: -19.088 ± 0.051 $\chi^2/\text{NDF}: 8205.7/52$

All: -19.056 ± 0.037 $\chi^2/\text{NDF}: 14832.9/100$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.207 ± 0.007 χ^2/NDF : 6578.5/24

Left Out: 0.387 ± 0.003 χ^2/NDF : 989.2/24

Right Out: -0.245 ± 0.007 χ^2/NDF : 6562.0/27

Left In: 0.389 ± 0.003 χ^2/NDF : 1257.1/22

Left: 0.388 ± 0.002 χ^2/NDF : 2246.7/47

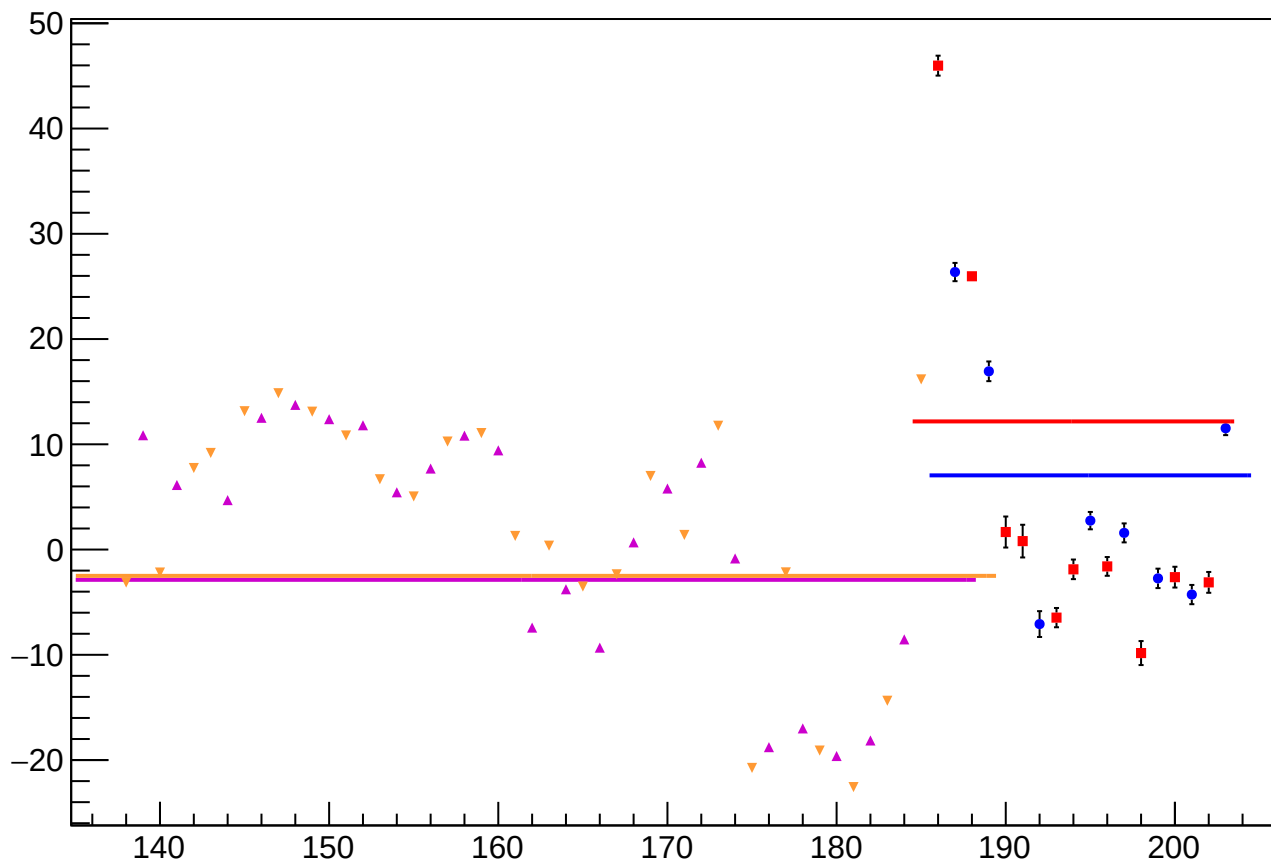
Right: -0.227 ± 0.005 χ^2/NDF : 13155.5/52

In: 0.319 ± 0.002 χ^2/NDF : 13945.9/47

Out: 0.308 ± 0.002 χ^2/NDF : 15141.5/52

All: 0.313 ± 0.002 χ^2/NDF : 29098.6/100

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



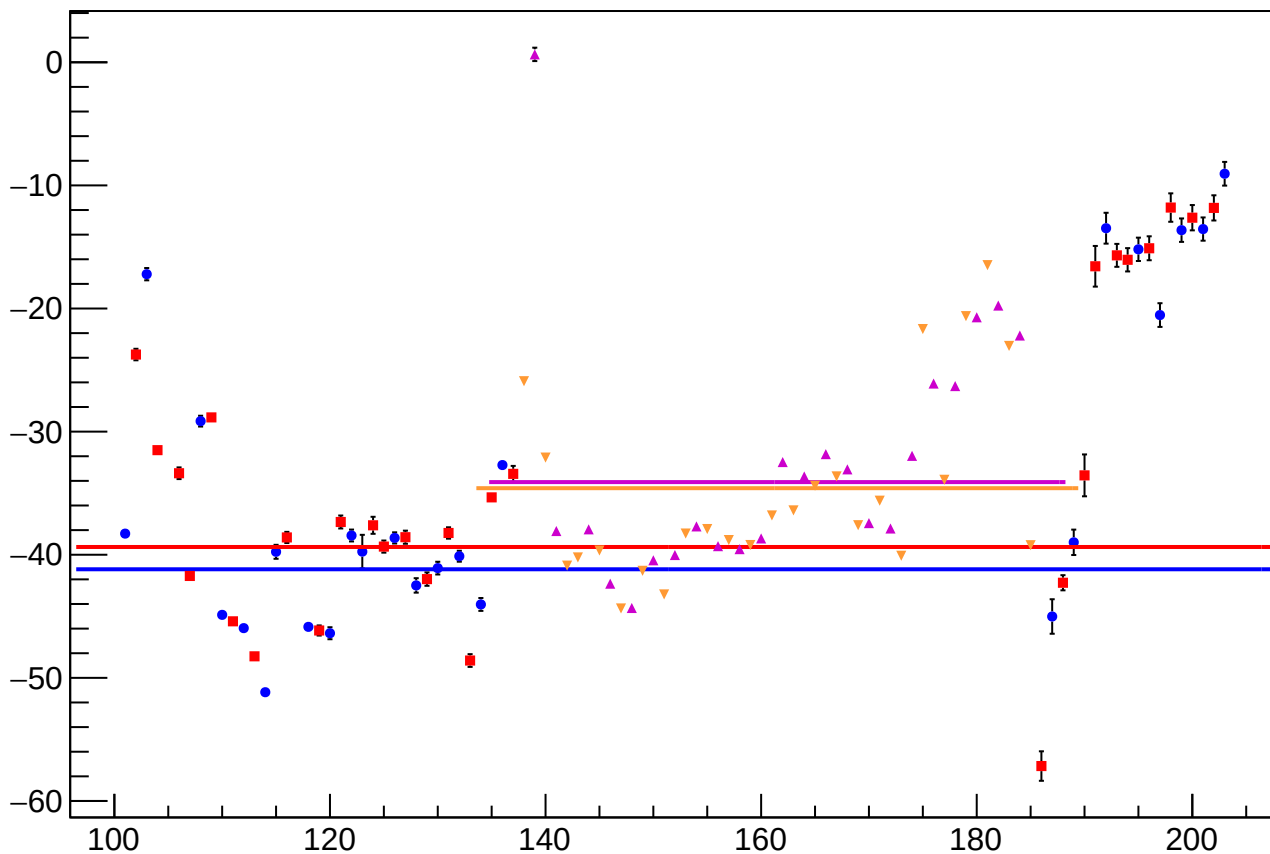
Right In: 7.048 ± 0.308 $\chi^2/\text{NDF}: 1116.2/7$
 Left Out: -2.499 ± 0.053 $\chi^2/\text{NDF}: 55930.9/24$
 Right Out: 12.174 ± 0.268 $\chi^2/\text{NDF}: 4133.5/9$
 Left In: -2.876 ± 0.055 $\chi^2/\text{NDF}: 46380.9/22$

Left: -2.681 ± 0.038 $\chi^2/\text{NDF}: 102336.4/47$
 Right: 9.960 ± 0.202 $\chi^2/\text{NDF}: 5407.2/17$

In: -2.573 ± 0.054 $\chi^2/\text{NDF}: 48504.3/30$
 Out: -1.950 ± 0.052 $\chi^2/\text{NDF}: 62940.0/34$

All: -2.250 ± 0.037 $\chi^2/\text{NDF}: 111513.8/65$

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -41.181 ± 0.076 $\chi^2/\text{NDF}: 11257.4/24$

Left Out: -34.594 ± 0.042 $\chi^2/\text{NDF}: 34404.6/24$

Right Out: -39.370 ± 0.071 $\chi^2/\text{NDF}: 15287.1/27$

Left In: -34.099 ± 0.044 $\chi^2/\text{NDF}: 29370.6/22$

Left: -34.358 ± 0.030 $\chi^2/\text{NDF}: 63841.7/47$

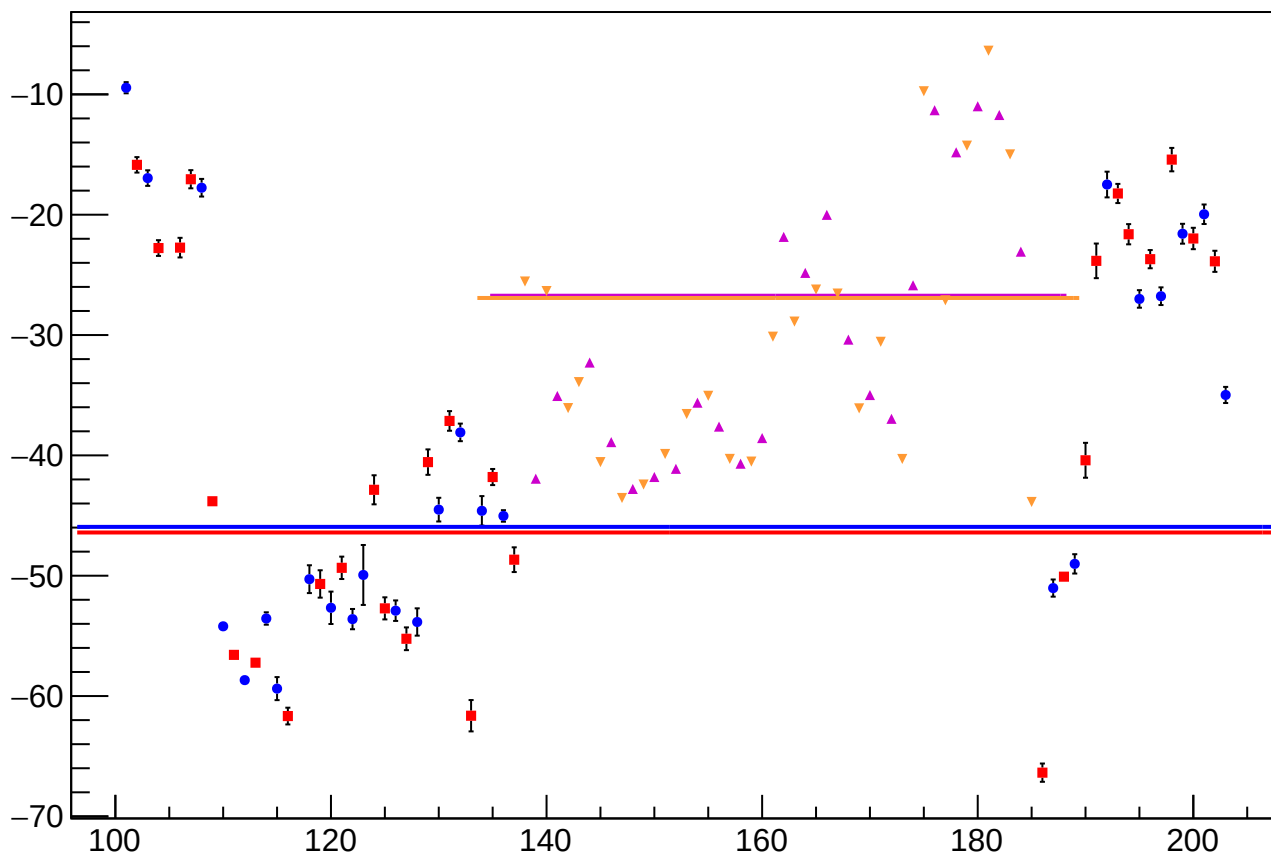
Right: -40.213 ± 0.052 $\chi^2/\text{NDF}: 26847.6/52$

In: -35.866 ± 0.038 $\chi^2/\text{NDF}: 47137.1/47$

Out: -35.830 ± 0.036 $\chi^2/\text{NDF}: 53045.2/52$

All: -35.847 ± 0.026 $\chi^2/\text{NDF}: 100182.7/100$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.942 ± 0.113 $\chi^2/\text{NDF}: 19459.5/24$

Left Out: -26.920 ± 0.053 $\chi^2/\text{NDF}: 49198.9/24$

Right Out: -46.408 ± 0.097 $\chi^2/\text{NDF}: 17909.2/27$

Left In: -26.733 ± 0.055 $\chi^2/\text{NDF}: 42643.0/22$

Left: -26.829 ± 0.038 $\chi^2/\text{NDF}: 91847.9/47$

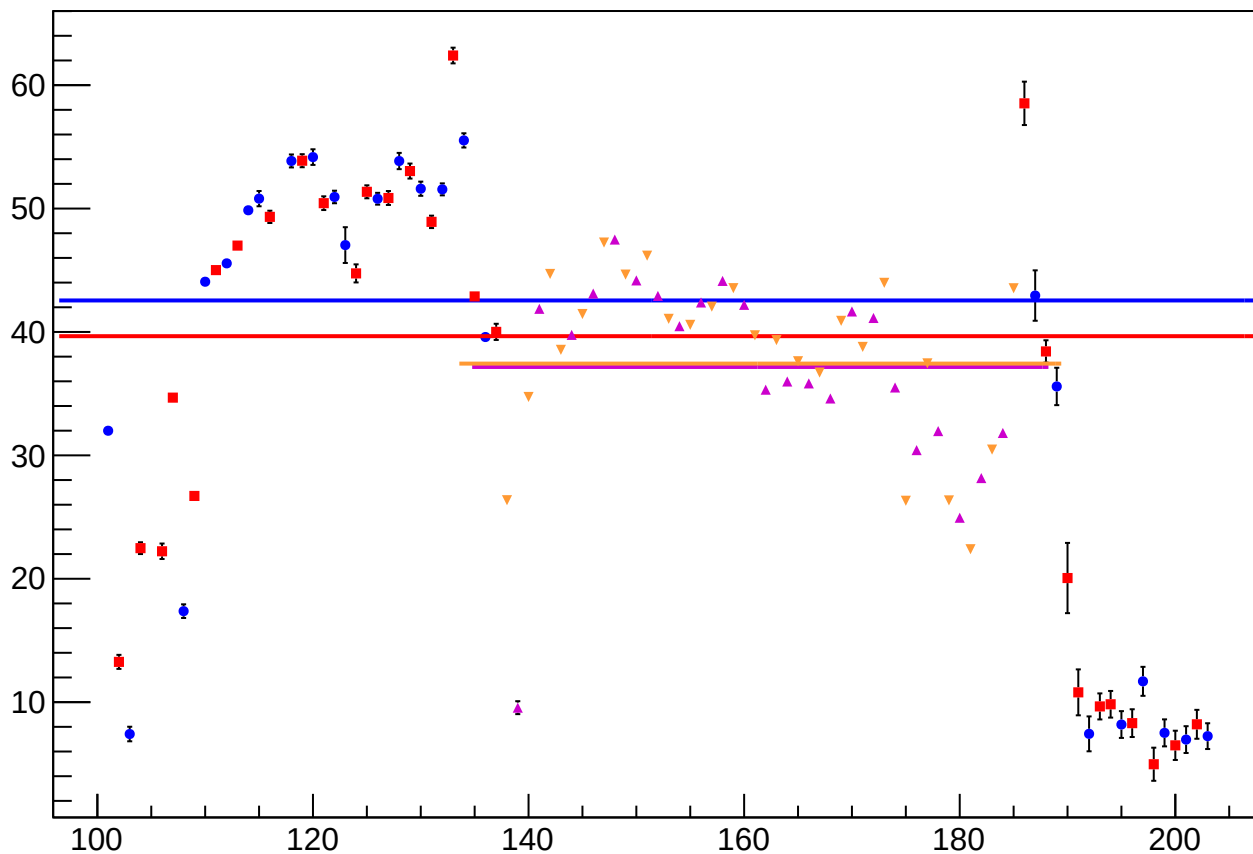
Right: -46.211 ± 0.074 $\chi^2/\text{NDF}: 37378.4/52$

In: -30.368 ± 0.049 $\chi^2/\text{NDF}: 85415.6/47$

Out: -31.437 ± 0.047 $\chi^2/\text{NDF}: 98054.4/52$

All: -30.930 ± 0.034 $\chi^2/\text{NDF}: 183717.7/100$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.553 $\pm$ 0.085 χ^2 /NDF: 16412.9/24

Left Out: 37.435 $\pm$ 0.047 χ^2 /NDF:21517.4/24

Right Out: 39.658 $\pm$ 0.079 χ^2 /NDF: 22027.4/27

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

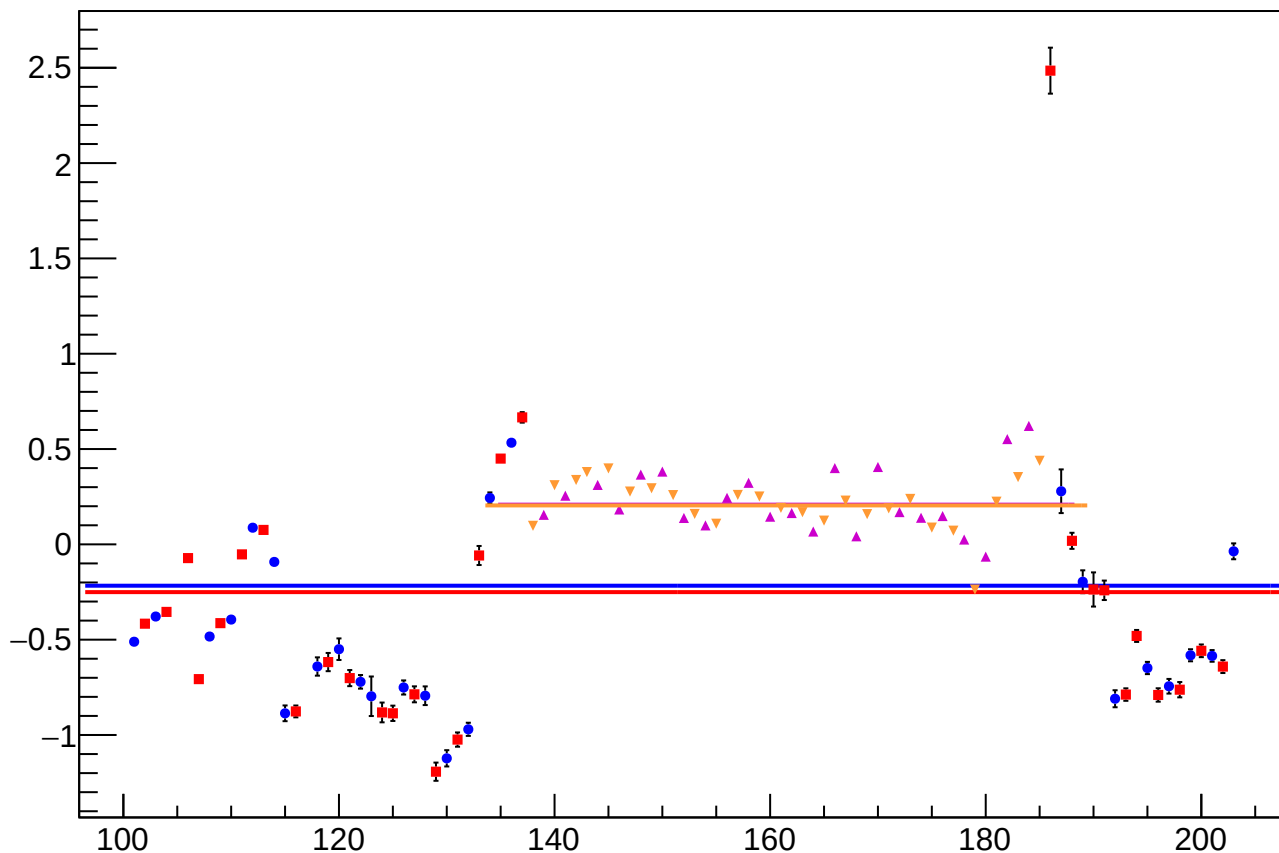
Right: 40.994 $\pm$ 0.058 χ^2 /NDF: 39065.9/52

In: 38.515 $\pm$ 0.043 χ^2 /NDF:36856.3/47

Out: 38.026 $\pm$ 0.041 χ^2 /NDF:44131.3/52

All: 38.259 $\pm$ 0.029 χ^2 /NDF: 81056.7/100

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.217 ± 0.005 χ^2/NDF : 8303.7/24

Left Out: 0.204 ± 0.002 χ^2/NDF : 3801.8/24

Right Out: -0.251 ± 0.004 χ^2/NDF : 9014.9/27

Left In: 0.208 ± 0.002 χ^2/NDF : 5095.2/22

Left: 0.206 ± 0.002 χ^2/NDF : 8898.7/47

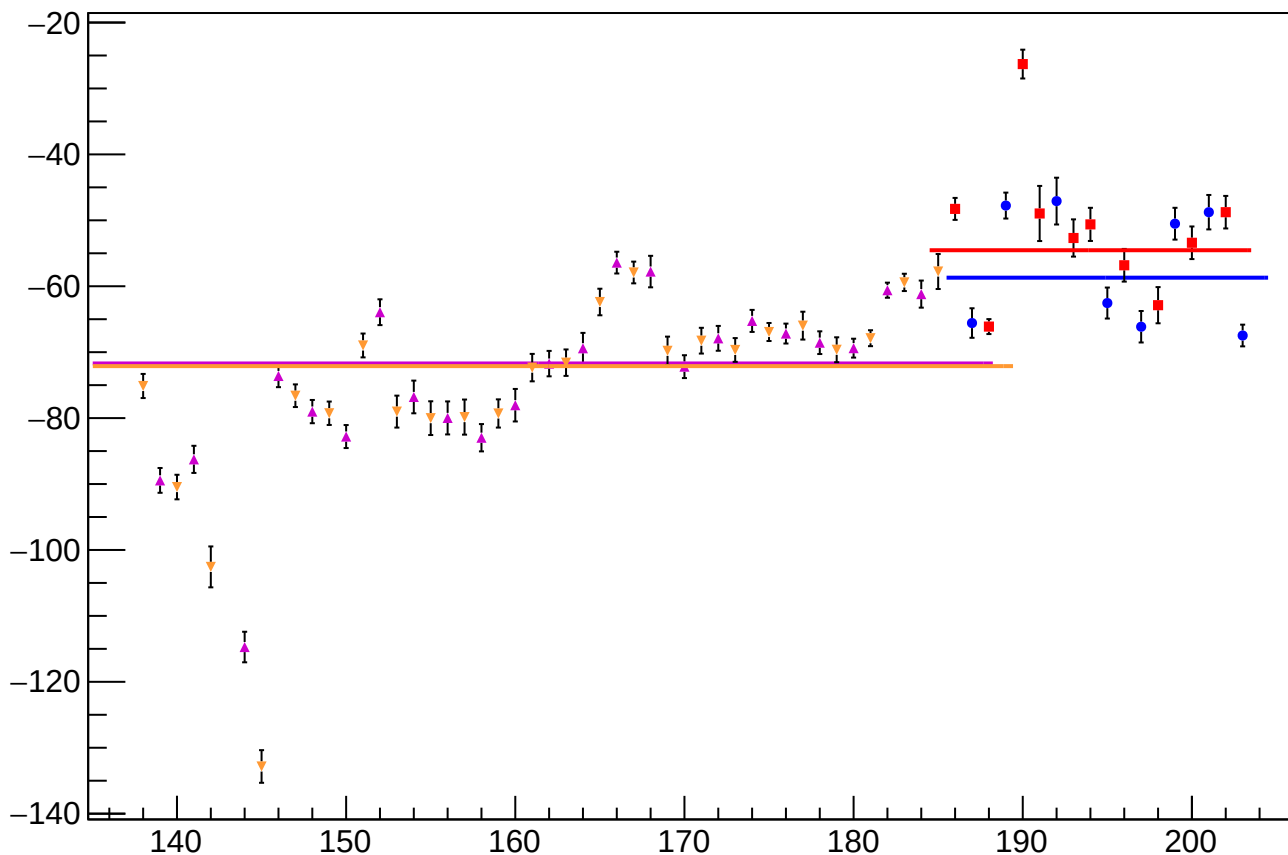
Right: -0.236 ± 0.003 χ^2/NDF : 17348.8/52

In: 0.126 ± 0.002 χ^2/NDF : 20387.3/47

Out: 0.103 ± 0.002 χ^2/NDF : 22480.4/52

All: 0.114 ± 0.001 χ^2/NDF : 42934.8/100

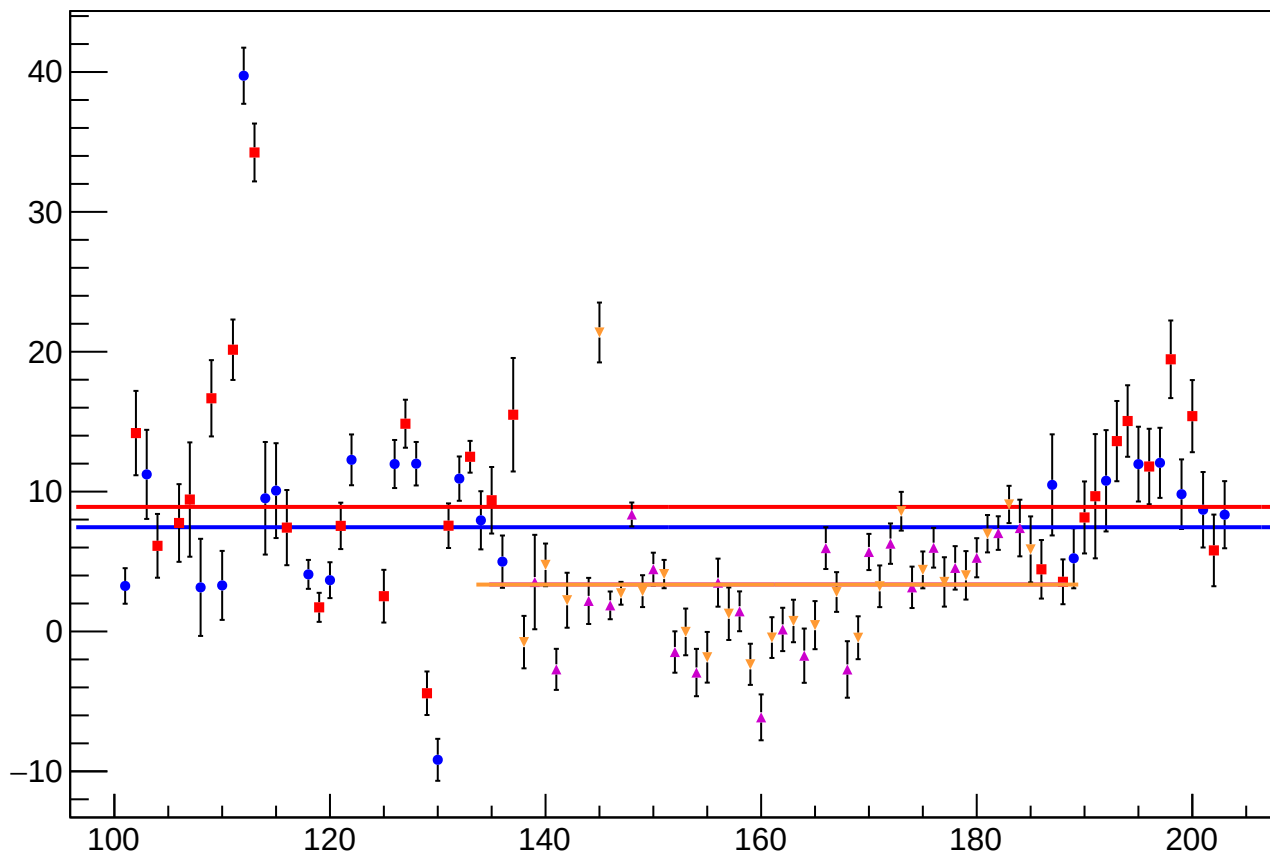
reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -58.699 ± 0.795 $\chi^2/\text{NDF}: 117.8/7$
 Left Out: -72.115 ± 0.383 $\chi^2/\text{NDF}: 1125.2/23$
 Right Out: -54.537 ± 0.658 $\chi^2/\text{NDF}: 305.6/9$
 Left In: -71.713 ± 0.380 $\chi^2/\text{NDF}: 884.6/22$

Left: -71.913 ± 0.270 $\chi^2/\text{NDF}: 2010.3/46$
 Right: -56.228 ± 0.507 $\chi^2/\text{NDF}: 439.7/17$
 In: -69.291 ± 0.343 $\chi^2/\text{NDF}: 1220.4/30$
 Out: -67.670 ± 0.331 $\chi^2/\text{NDF}: 1964.0/33$
 All: -68.451 ± 0.238 $\chi^2/\text{NDF}: 3195.9/64$

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.454 ± 0.393 χ^2/NDF : 457.8/23

Left Out: 3.353 ± 0.295 χ^2/NDF : 167.8/23

Right Out: 8.906 ± 0.389 χ^2/NDF : 396.6/26

Left In: 3.360 ± 0.298 χ^2/NDF : 164.5/22

Left: 3.356 ± 0.209 χ^2/NDF : 332.3/46

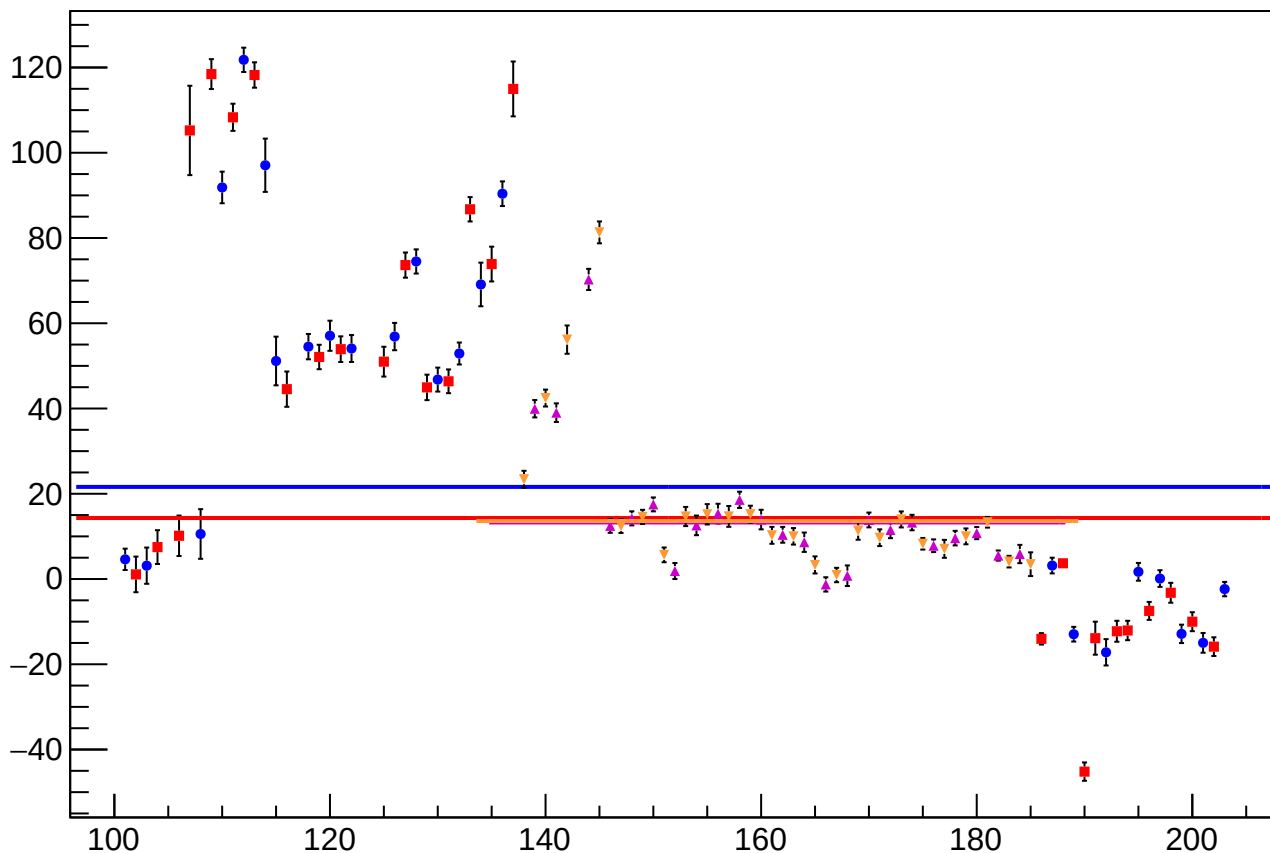
Right: 8.188 ± 0.277 χ^2/NDF : 861.2/50

In: 4.850 ± 0.237 χ^2/NDF : 691.2/46

Out: 5.377 ± 0.235 χ^2/NDF : 693.9/50

All: 5.116 ± 0.167 χ^2/NDF : 1387.5/97

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 21.611+/-0.540 χ^2/NDF : 5087.7/23

Left Out: 13.610+/-0.382 χ^2/NDF :1303.3/23

Right Out: 14.310+/-0.466 χ^2/NDF : 7440.0/26

Left In: 13.262+/-0.379 χ^2/NDF :1077.0/22

Left: 13.434+/-0.269 χ^2/NDF : 2380.7/46

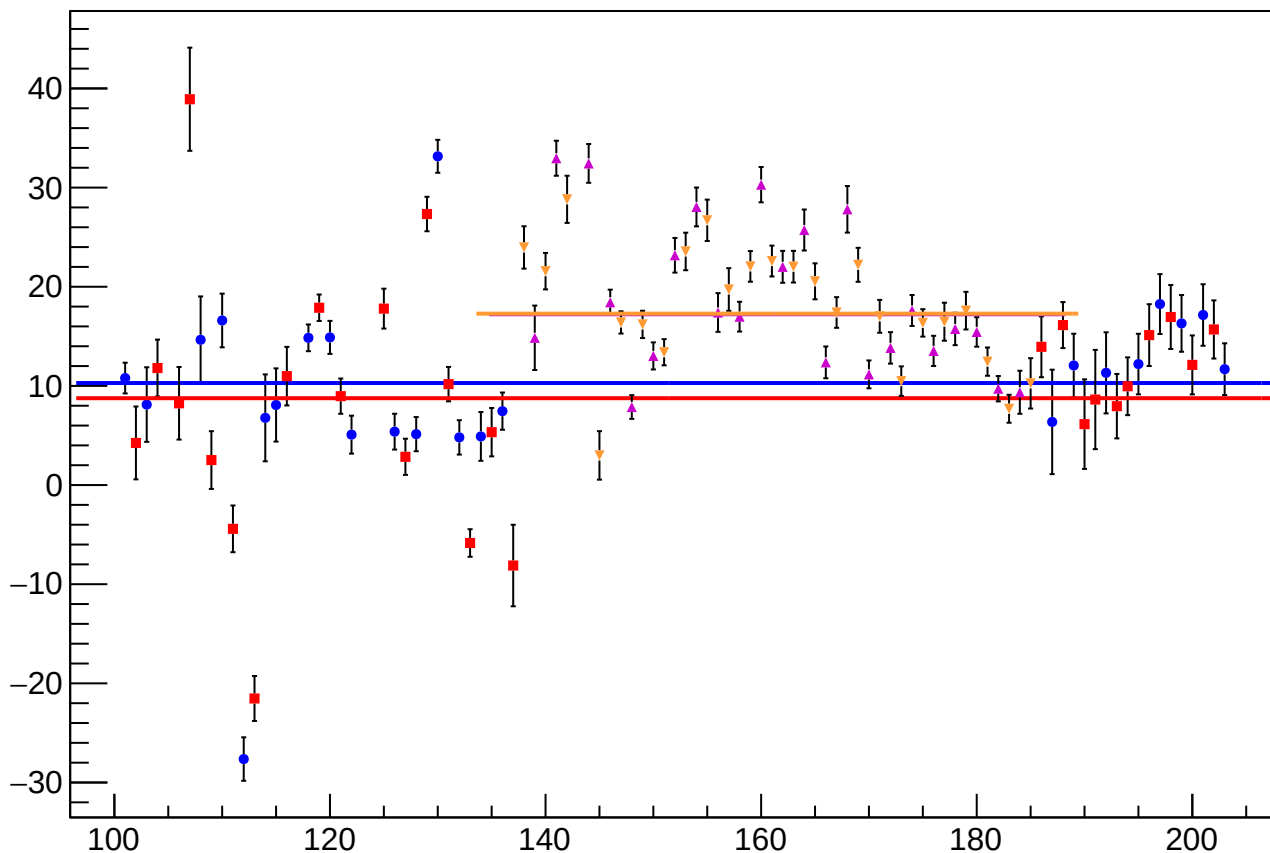
Right: 17.425+/-0.353 χ^2/NDF : 12632.4/50

In: 16.011+/-0.310 χ^2/NDF :6324.8/46

Out: 13.891+/-0.295 χ^2/NDF :8744.7/50

All: 14.900+/-0.214 χ^2/NDF : 15094.0/97

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.292 ± 0.458 $\chi^2/\text{NDF}: 574.3/23$

Left Out: 17.285 ± 0.337 $\chi^2/\text{NDF}: 244.0/23$

Right Out: 8.759 ± 0.458 $\chi^2/\text{NDF}: 603.6/26$

Left In: 17.224 ± 0.339 $\chi^2/\text{NDF}: 442.2/22$

Left: 17.255 ± 0.239 $\chi^2/\text{NDF}: 686.2/46$

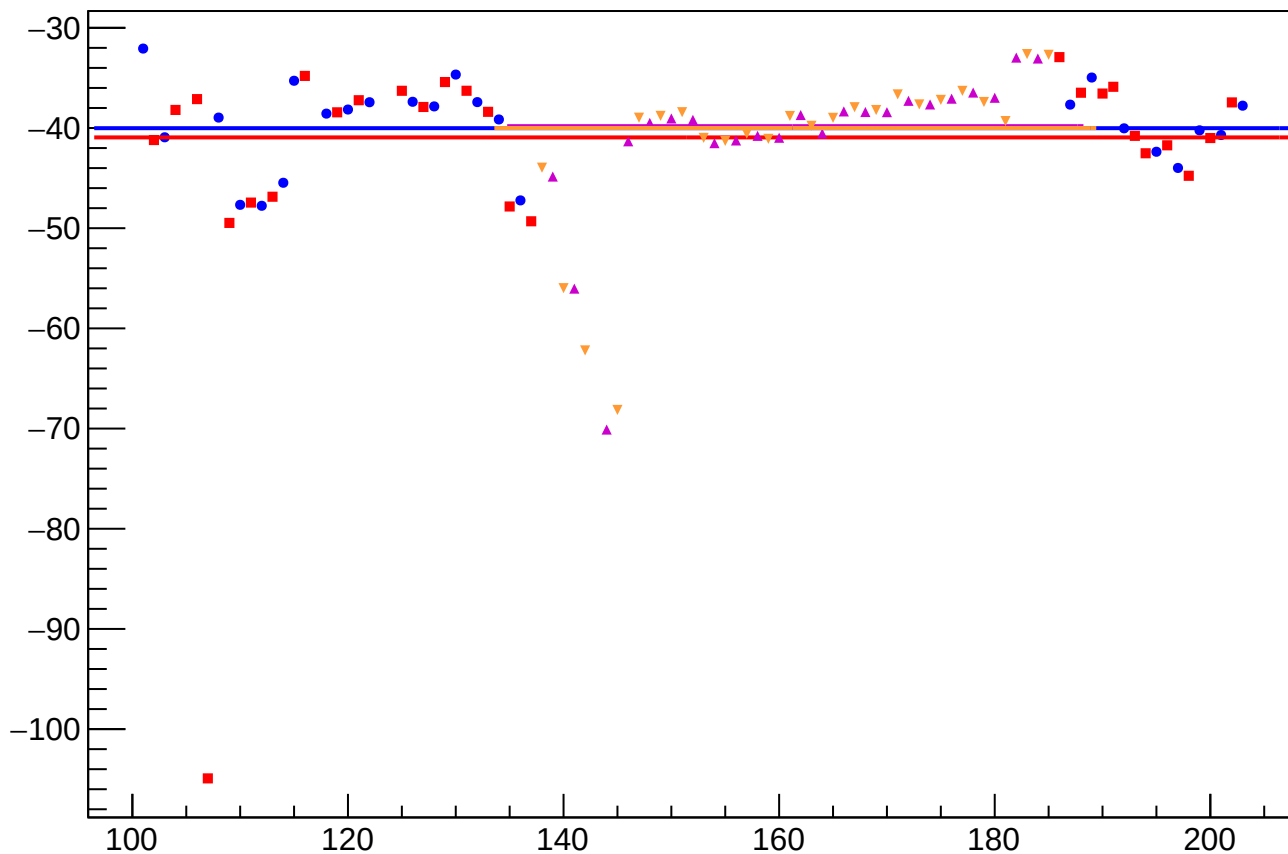
Right: 9.525 ± 0.324 $\chi^2/\text{NDF}: 1183.4/50$

In: 14.776 ± 0.272 $\chi^2/\text{NDF}: 1164.6/46$

Out: 14.289 ± 0.271 $\chi^2/\text{NDF}: 1072.5/50$

All: 14.532 ± 0.192 $\chi^2/\text{NDF}: 2238.7/97$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.016 ± 0.024 χ^2/NDF : 30902.9/23

Left Out: -40.002 ± 0.016 χ^2/NDF : 172150.1/23

Right Out: -40.937 ± 0.023 χ^2/NDF : 103011.0/26

Left In: -39.813 ± 0.016 χ^2/NDF : 145790.5/22

Left: -39.906 ± 0.011 χ^2/NDF : 318013.1/46

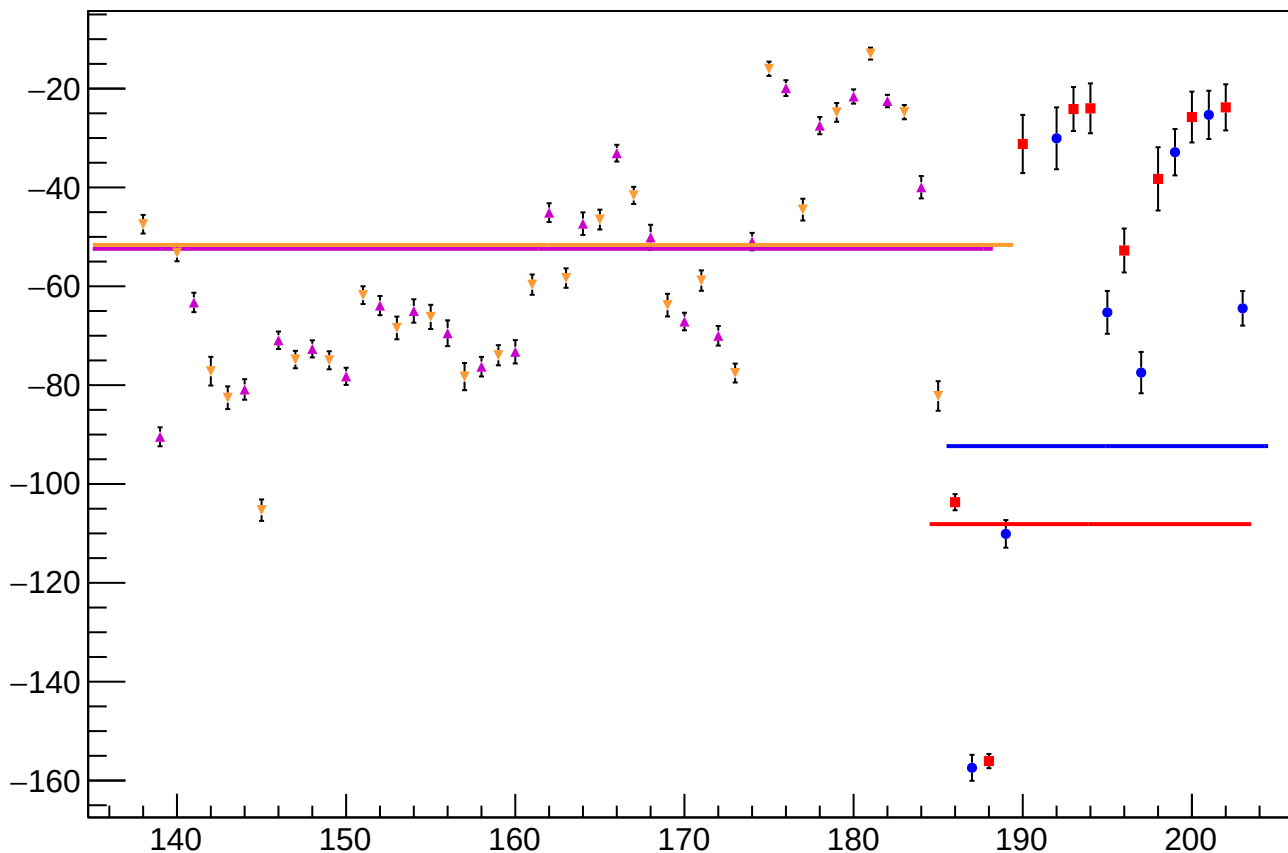
Right: -40.500 ± 0.016 χ^2/NDF : 134706.2/50

In: -39.874 ± 0.013 χ^2/NDF : 176744.7/46

Out: -40.309 ± 0.013 χ^2/NDF : 276319.1/50

All: -40.094 ± 0.009 χ^2/NDF : 453624.8/97

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -92.335 ± 1.315 $\chi^2/\text{NDF}: 1215.4/7$

Left Out: -51.622 ± 0.383 $\chi^2/\text{NDF}: 4133.0/24$

Right Out: -108.118 ± 0.940 $\chi^2/\text{NDF}: 2770.5/8$

Left In: -52.409 ± 0.387 $\chi^2/\text{NDF}: 3378.7/22$

Left: -52.012 ± 0.272 $\chi^2/\text{NDF}: 7513.8/47$

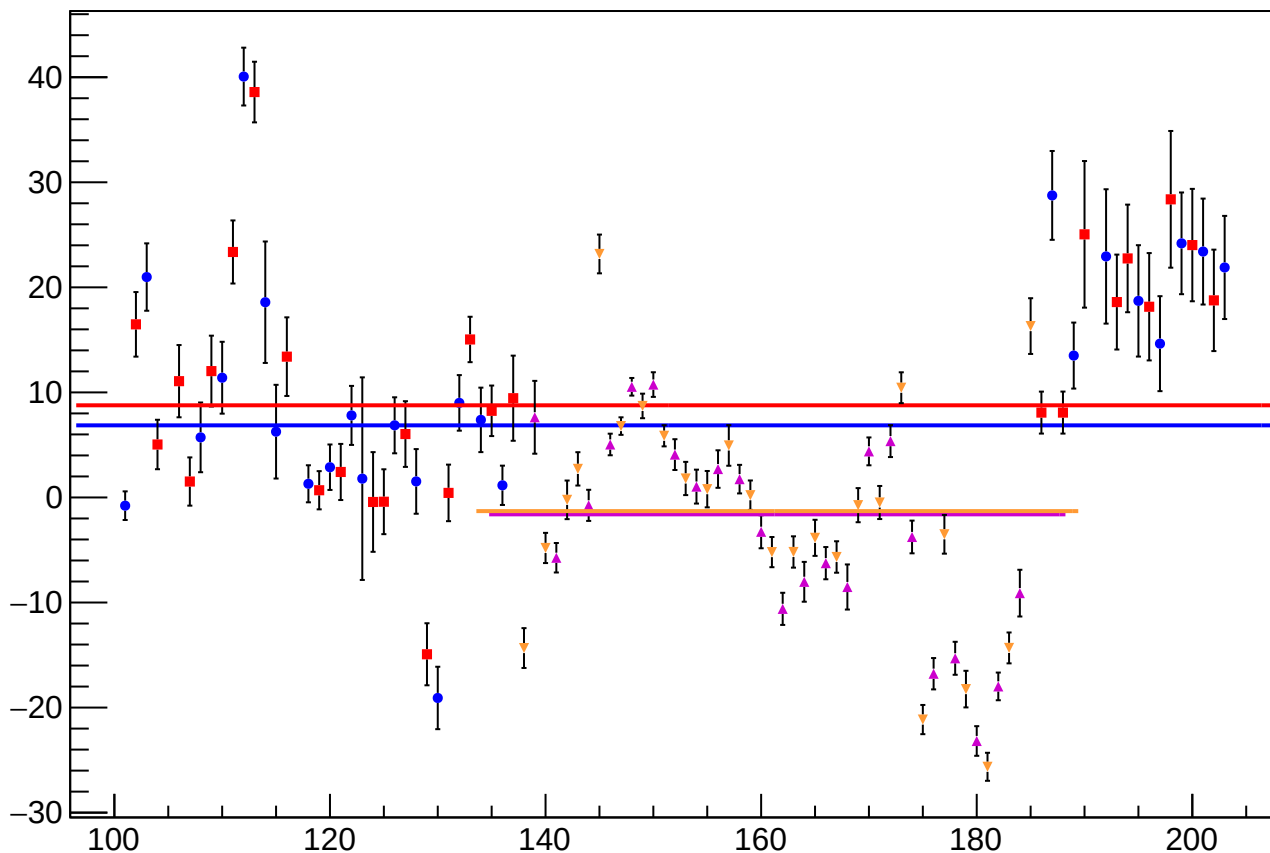
Right: -102.783 ± 0.765 $\chi^2/\text{NDF}: 4081.3/16$

In: -55.592 ± 0.371 $\chi^2/\text{NDF}: 5441.9/30$

Out: -59.683 ± 0.355 $\chi^2/\text{NDF}: 10000.4/33$

All: -57.730 ± 0.257 $\chi^2/\text{NDF}: 15505.7/64$

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected

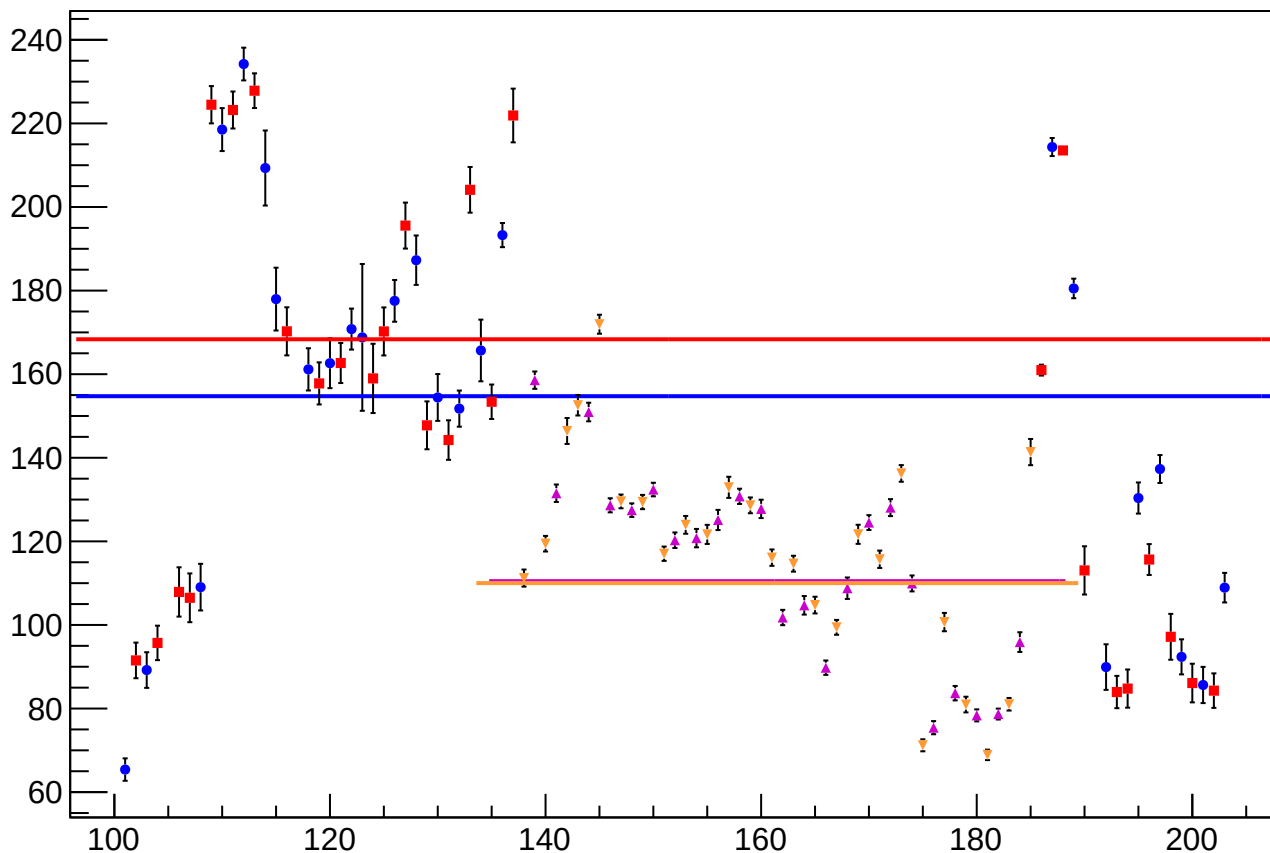


Right In: 6.864 $\pm$ 0.579 χ^2 /NDF: 383.9/24
 Left Out: -1.300 $\pm$ 0.293 χ^2 /NDF:1315.7/24
 Right Out: 8.772 $\pm$ 0.569 χ^2 /NDF: 316.0/26
 Left In: -1.608 $\pm$ 0.299 χ^2 /NDF:1097.4/22

Left: -1.450 $\pm$ 0.209 χ^2 /NDF: 2413.6/47
 Right: 7.835 $\pm$ 0.406 χ^2 /NDF: 705.5/51
 In: 0.180 $\pm$ 0.266 χ^2 /NDF:1650.1/47
 Out: 0.808 $\pm$ 0.260 χ^2 /NDF:1879.9/51

All: 0.501 $\pm$ 0.186 χ^2 /NDF: 3532.9/99

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.732 $\pm$ 0.804 χ^2 /NDF: 4005.0/24

Left Out: 110.012 $\pm$ 0.383 χ^2 /NDF:4537.0/24

Right Out: 168.356 $\pm$ 0.645 χ^2 /NDF: 5120.2/26

Left In: 110.482 $\pm$ 0.385 χ^2 /NDF:3824.9/22

Left: 110.246 $\pm$ 0.271 χ^2 /NDF: 8362.7/47

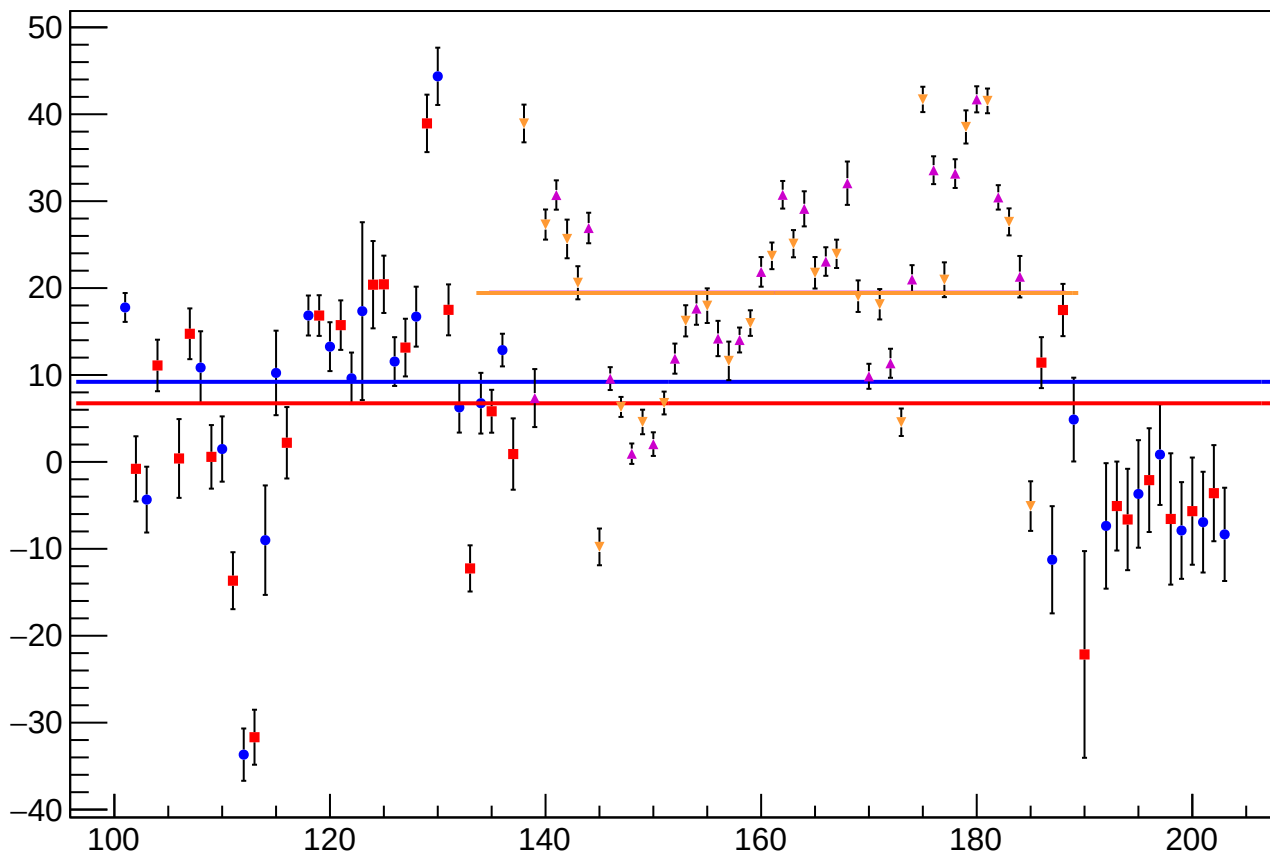
Right: 163.020 $\pm$ 0.503 χ^2 /NDF: 9299.6/51

In: 118.718 $\pm$ 0.347 χ^2 /NDF:10292.5/47

Out: 125.193 $\pm$ 0.329 χ^2 /NDF:15702.5/51

All: 122.126 $\pm$ 0.239 χ^2 /NDF: 26178.3/99

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.213 ± 0.673 $\chi^2/\text{NDF}: 445.0/24$

Left Out: 19.434 ± 0.336 $\chi^2/\text{NDF}: 1452.3/24$

Right Out: 6.744 ± 0.676 $\chi^2/\text{NDF}: 469.2/26$

Left In: 19.472 ± 0.342 $\chi^2/\text{NDF}: 1188.2/22$

Left: 19.453 ± 0.239 $\chi^2/\text{NDF}: 2640.5/47$

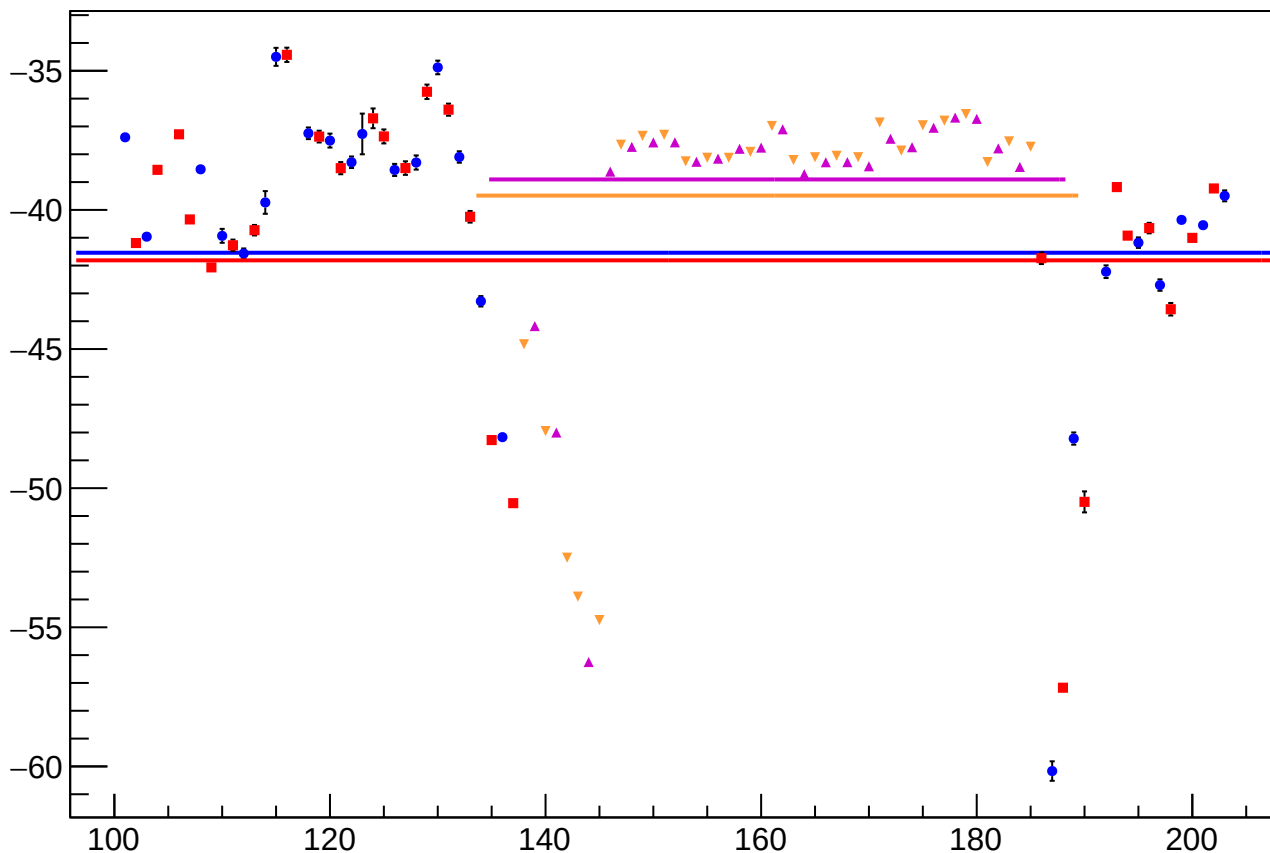
Right: 7.984 ± 0.477 $\chi^2/\text{NDF}: 920.9/51$

In: 17.372 ± 0.305 $\chi^2/\text{NDF}: 1817.8/47$

Out: 16.928 ± 0.301 $\chi^2/\text{NDF}: 2204.0/51$

All: 17.147 ± 0.214 $\chi^2/\text{NDF}: 4022.9/99$

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.539 ± 0.034 $\chi^2/\text{NDF}: 16616.6/24$

Left Out: -39.484 ± 0.016 $\chi^2/\text{NDF}: 88877.3/24$

Right Out: -41.813 ± 0.033 $\chi^2/\text{NDF}: 22698.4/26$

Left In: -38.905 ± 0.016 $\chi^2/\text{NDF}: 54282.7/22$

Left: -39.195 ± 0.011 $\chi^2/\text{NDF}: 143834.7/47$

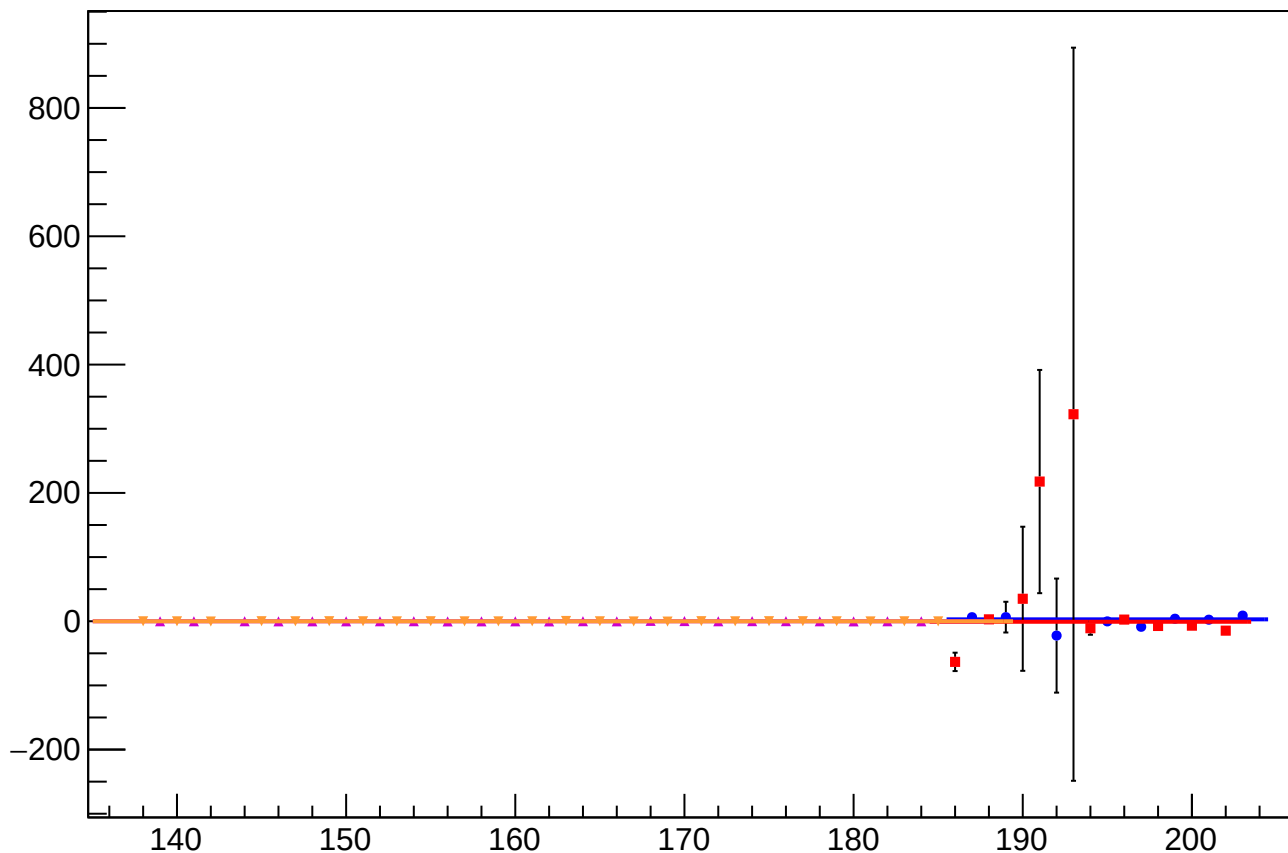
Right: -41.680 ± 0.024 $\chi^2/\text{NDF}: 39348.6/51$

In: -39.378 ± 0.014 $\chi^2/\text{NDF}: 75891.7/47$

Out: -39.920 ± 0.014 $\chi^2/\text{NDF}: 115656.6/51$

All: -39.651 ± 0.010 $\chi^2/\text{NDF}: 192270.7/99$

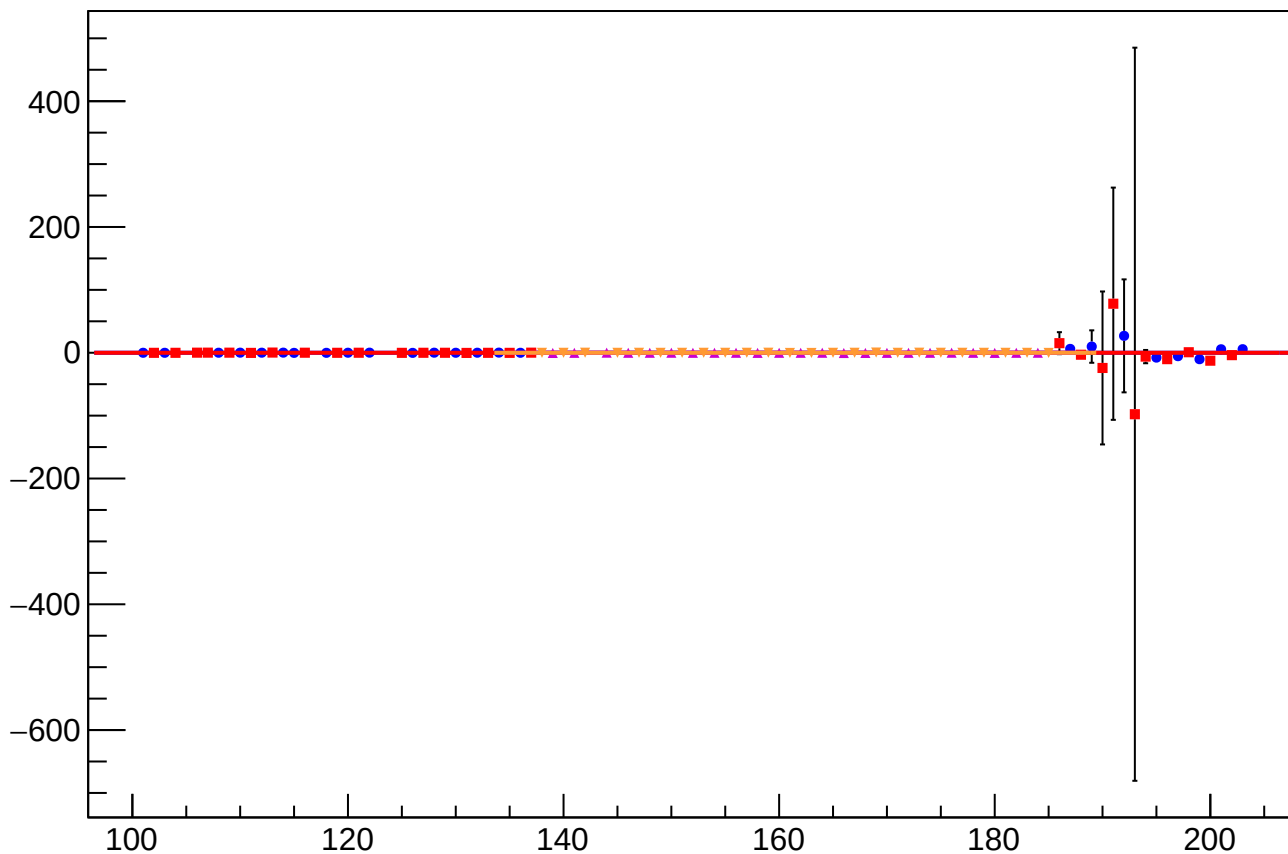
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.951+/-1.809 χ^2/NDF : 9.7/7
 Left Out: -0.089+/-0.022 χ^2/NDF : 40.0/23
 Right Out: -0.807+/-1.593 χ^2/NDF : 33.5/9
 Left In: -0.026+/-0.022 χ^2/NDF : 32.3/22

Left: -0.057+/-0.016 χ^2/NDF : 76.4/46
 Right: 0.834+/-1.195 χ^2/NDF : 45.7/17
 In: -0.025+/-0.022 χ^2/NDF : 44.7/30
 Out: -0.089+/-0.022 χ^2/NDF : 73.8/33
 All: -0.057+/-0.016 χ^2/NDF : 122.6/64

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.001 ± 0.028 $\chi^2/\text{NDF}: 21.8/23$

Left Out: -0.081 ± 0.017 $\chi^2/\text{NDF}: 25.8/23$

Right Out: -0.052 ± 0.029 $\chi^2/\text{NDF}: 30.9/26$

Left In: -0.055 ± 0.018 $\chi^2/\text{NDF}: 32.2/22$

Left: -0.068 ± 0.012 $\chi^2/\text{NDF}: 59.1/46$

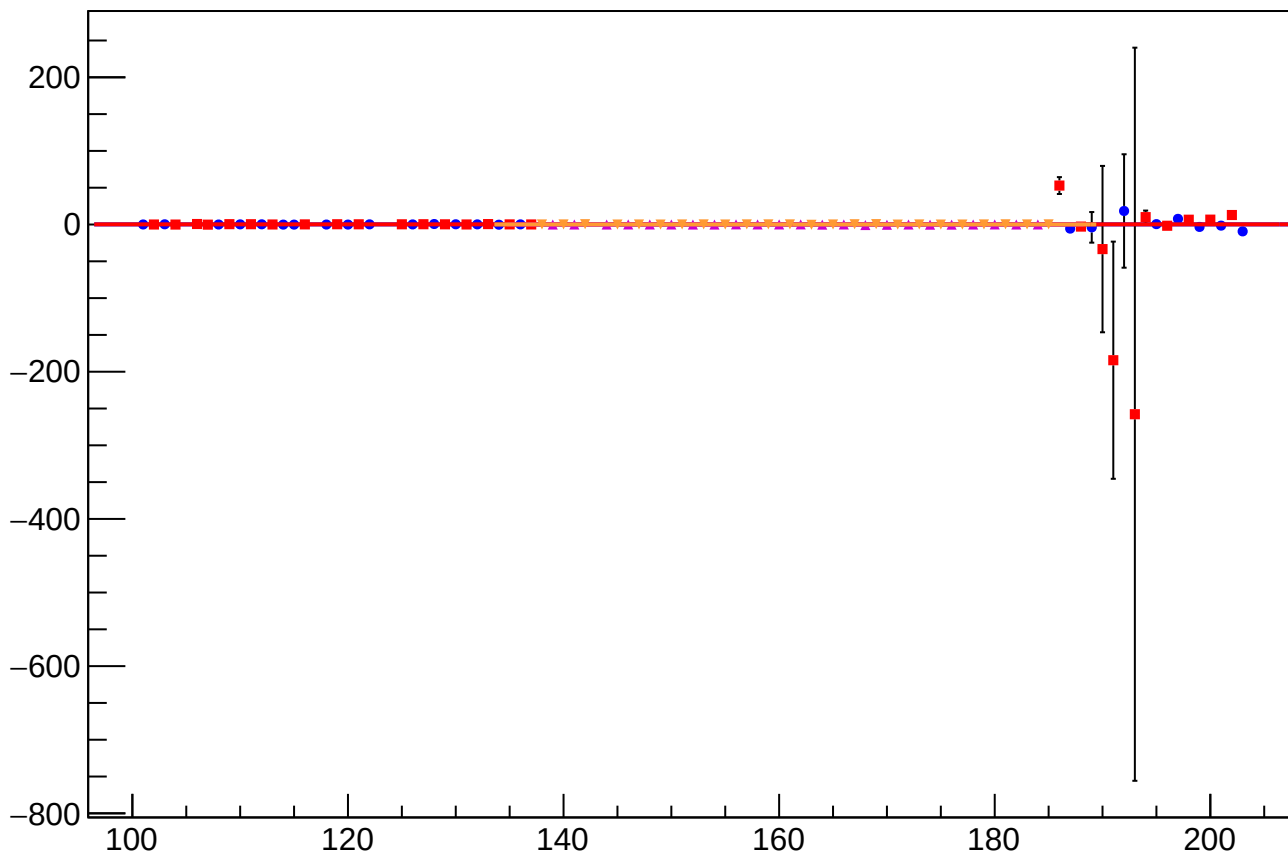
Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 54.4/50$

In: -0.039 ± 0.015 $\chi^2/\text{NDF}: 56.9/46$

Out: -0.073 ± 0.015 $\chi^2/\text{NDF}: 57.4/50$

All: -0.056 ± 0.011 $\chi^2/\text{NDF}: 116.9/97$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.168 $\pm$ 0.052 χ^2 /NDF: 28.0/23

Left Out: 0.082 $\pm$ 0.022 χ^2 /NDF:38.7/23

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 53.2/26

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

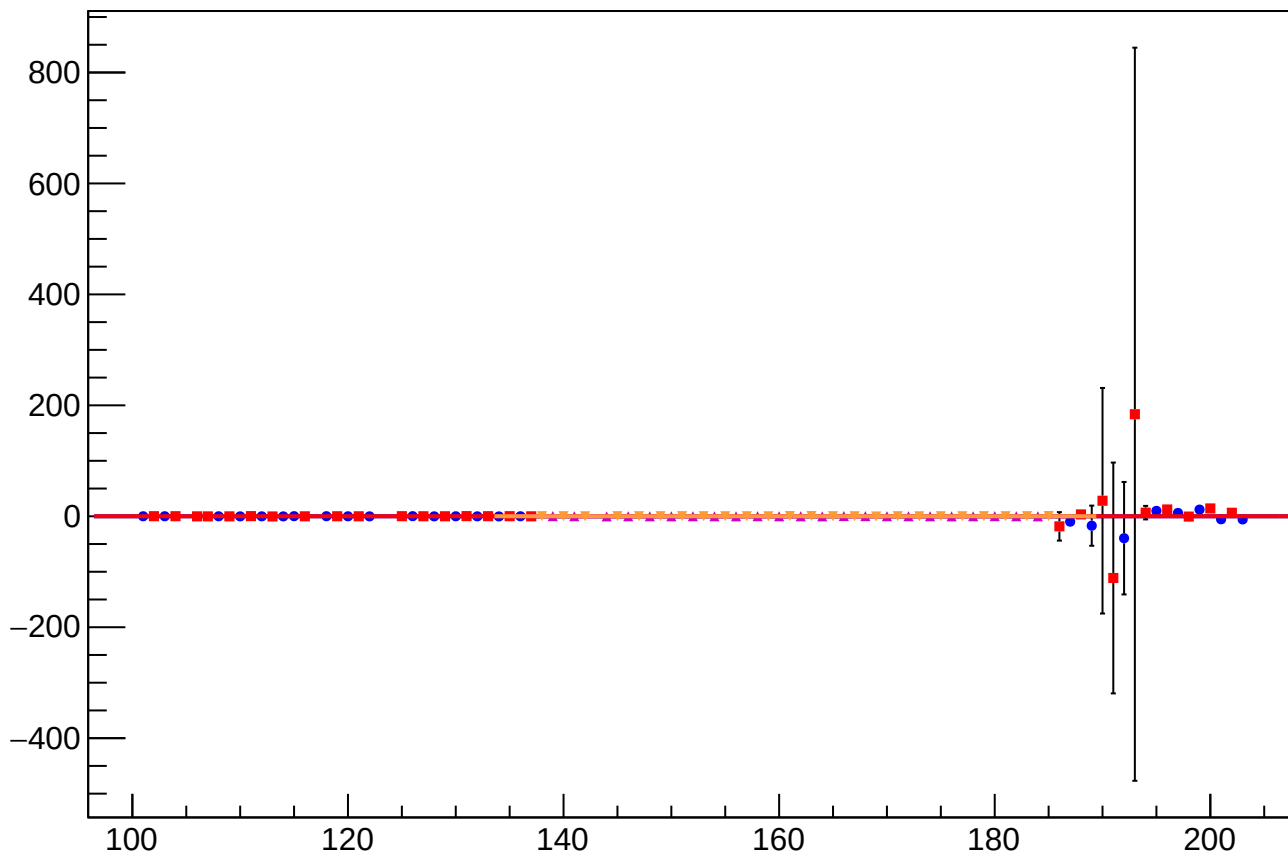
Right: 0.203 $\pm$ 0.038 χ^2 /NDF: 82.2/50

In: 0.043 $\pm$ 0.020 χ^2 /NDF:69.3/46

Out: 0.104 $\pm$ 0.020 χ^2 /NDF:99.3/50

All: 0.073 $\pm$ 0.014 χ^2 /NDF: 173.3/97

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011+/-0.033 χ^2/NDF : 23.3/23

Left Out: 0.105+/-0.020 χ^2/NDF :29.5/23

Right Out: 0.060+/-0.034 χ^2/NDF : 29.7/26

Left In: 0.072+/-0.020 χ^2/NDF :31.7/22

Left: 0.089+/-0.014 χ^2/NDF : 62.6/46

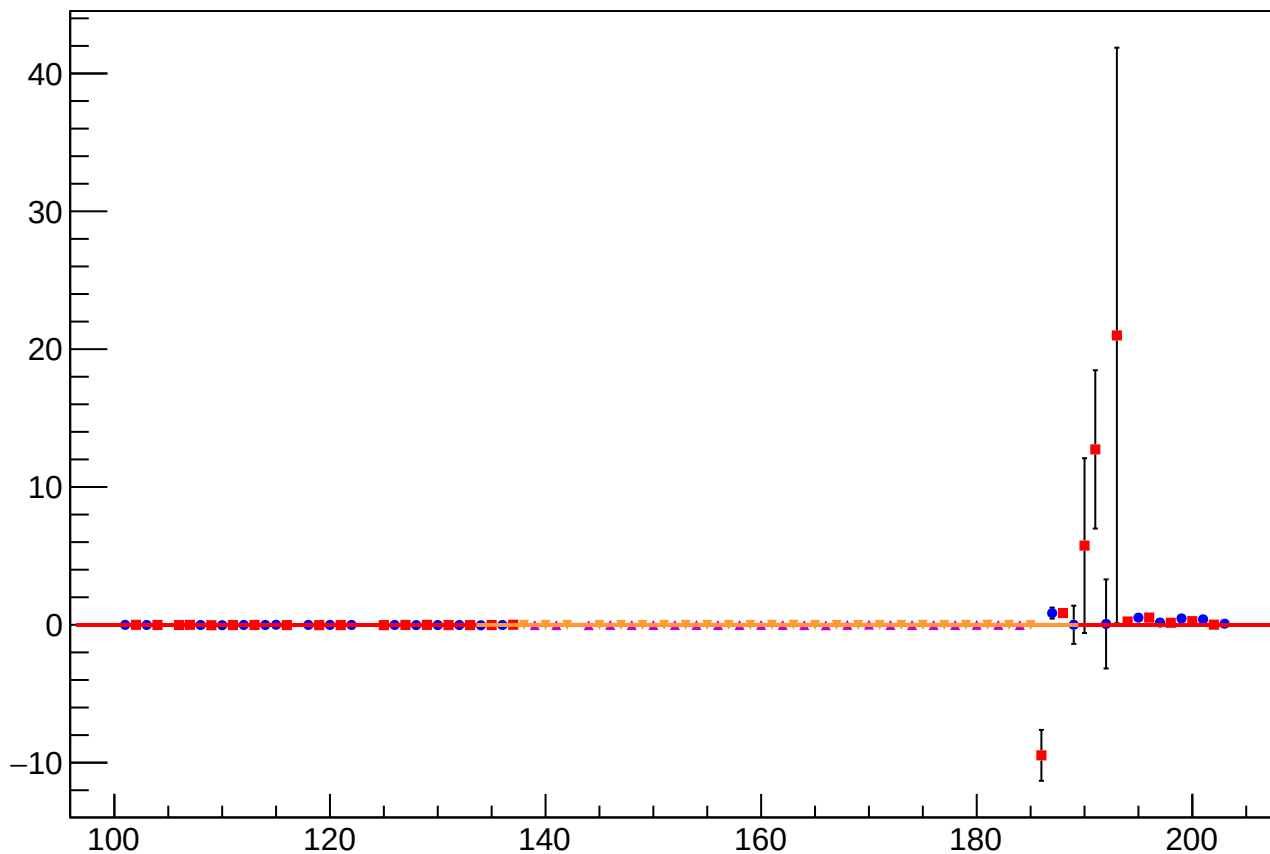
Right: 0.023+/-0.023 χ^2/NDF : 55.2/50

In: 0.050+/-0.017 χ^2/NDF :59.7/46

Out: 0.094+/-0.017 χ^2/NDF :60.5/50

All: 0.072+/-0.012 χ^2/NDF : 123.6/97

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 35.1/23

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:30.7/23

Right Out: -0.011 $\pm$ 0.002 χ^2 /NDF: 79.9/26

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

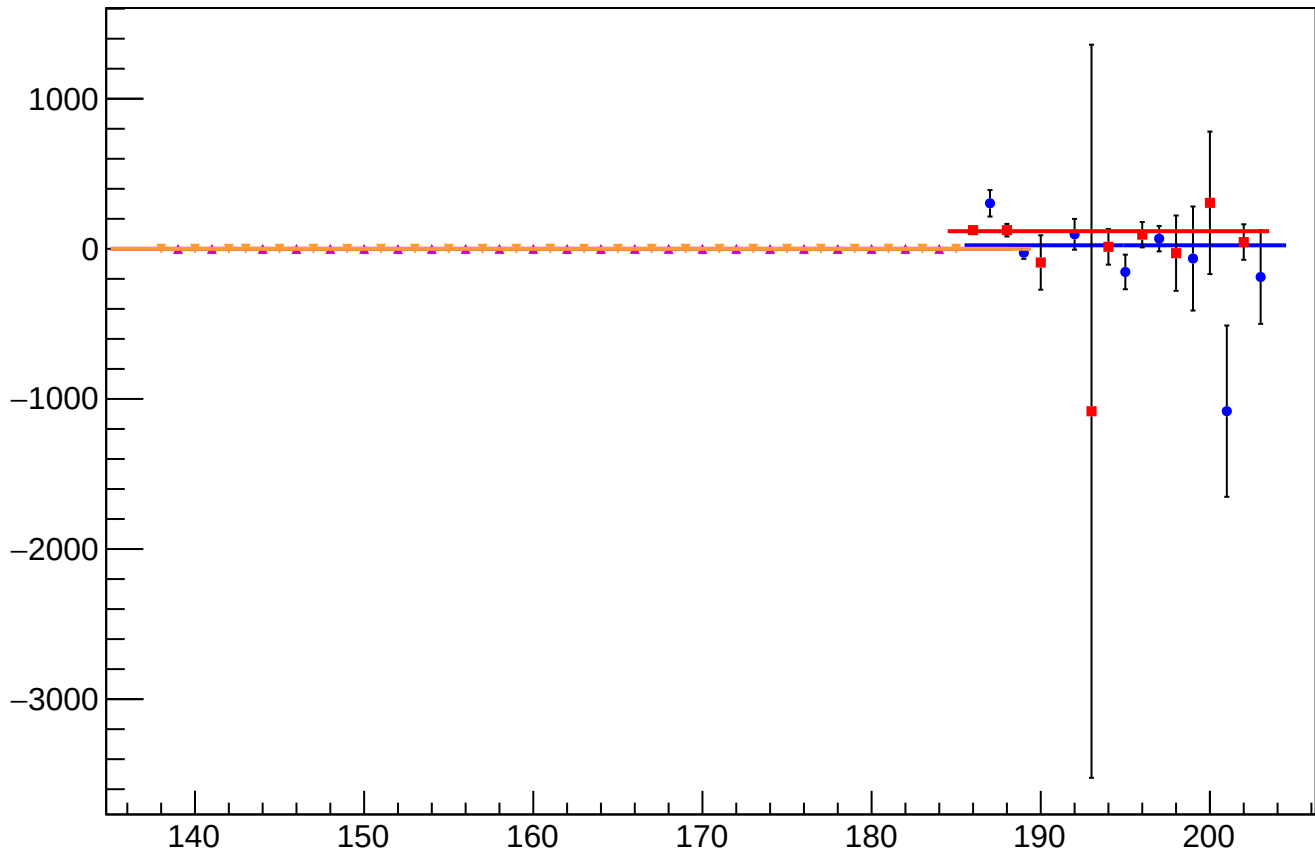
Right: -0.011 $\pm$ 0.001 χ^2 /NDF: 115.1/50

In: -0.009 $\pm$ 0.001 χ^2 /NDF:79.2/46

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:112.4/50

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 192.1/97

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 23.538+/-30.774 χ^2/NDF : 19.0/7

Left Out: 0.013+/-0.027 χ^2/NDF : 29.2/24

Right Out: 117.631+/-16.367 χ^2/NDF : 3.5/8

Left In: 0.004+/-0.028 χ^2/NDF : 28.2/22

Left: 0.009+/-0.019 χ^2/NDF : 57.4/47

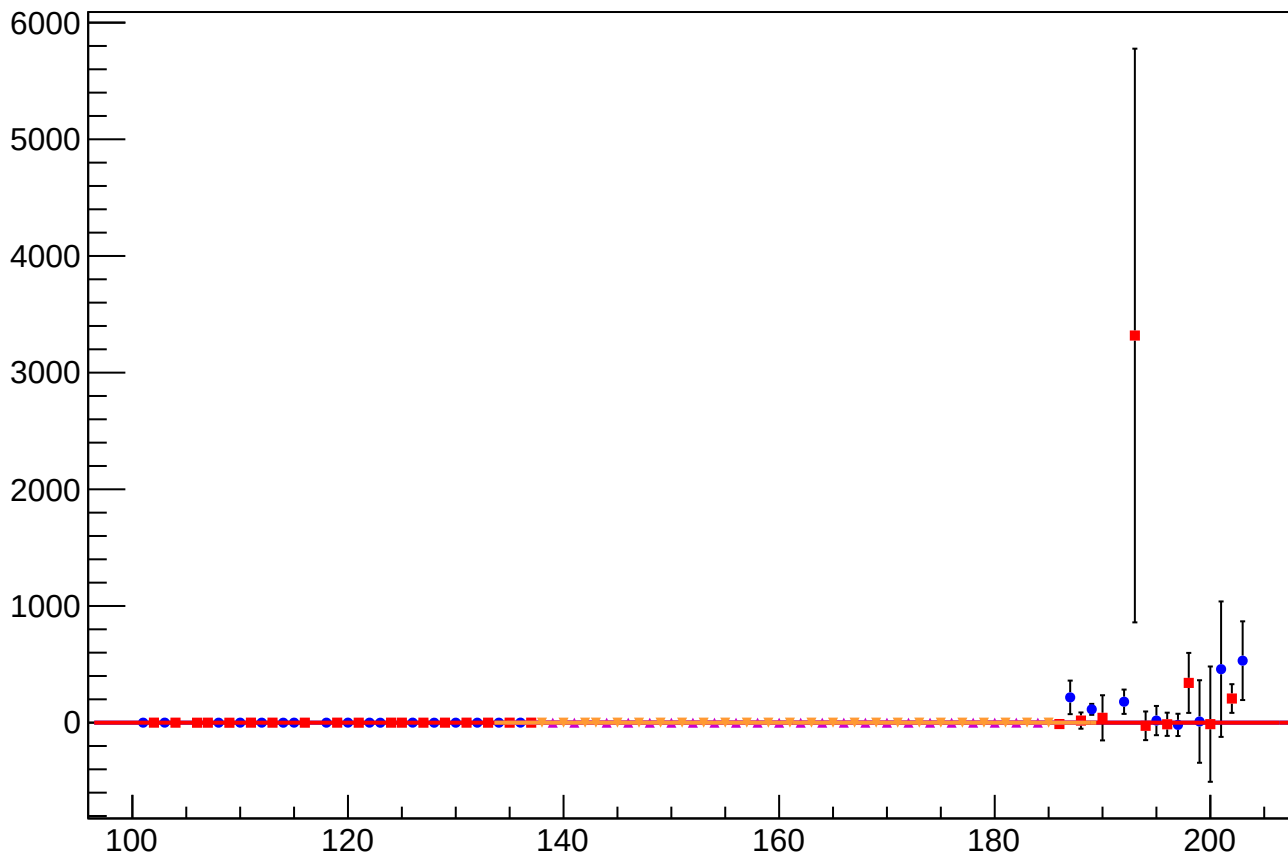
Right: 96.884+/-14.450 χ^2/NDF : 29.7/16

In: 0.004+/-0.028 χ^2/NDF : 47.7/30

Out: 0.014+/-0.027 χ^2/NDF : 84.3/33

All: 0.009+/-0.019 χ^2/NDF : 132.1/64

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 $\chi^2/\text{NDF}: 37.7/24$

Left Out: -0.058 ± 0.021 $\chi^2/\text{NDF}: 25.4/24$

Right Out: -0.128 ± 0.039 $\chi^2/\text{NDF}: 24.3/26$

Left In: -0.072 ± 0.022 $\chi^2/\text{NDF}: 48.7/22$

Left: -0.064 ± 0.015 $\chi^2/\text{NDF}: 74.4/47$

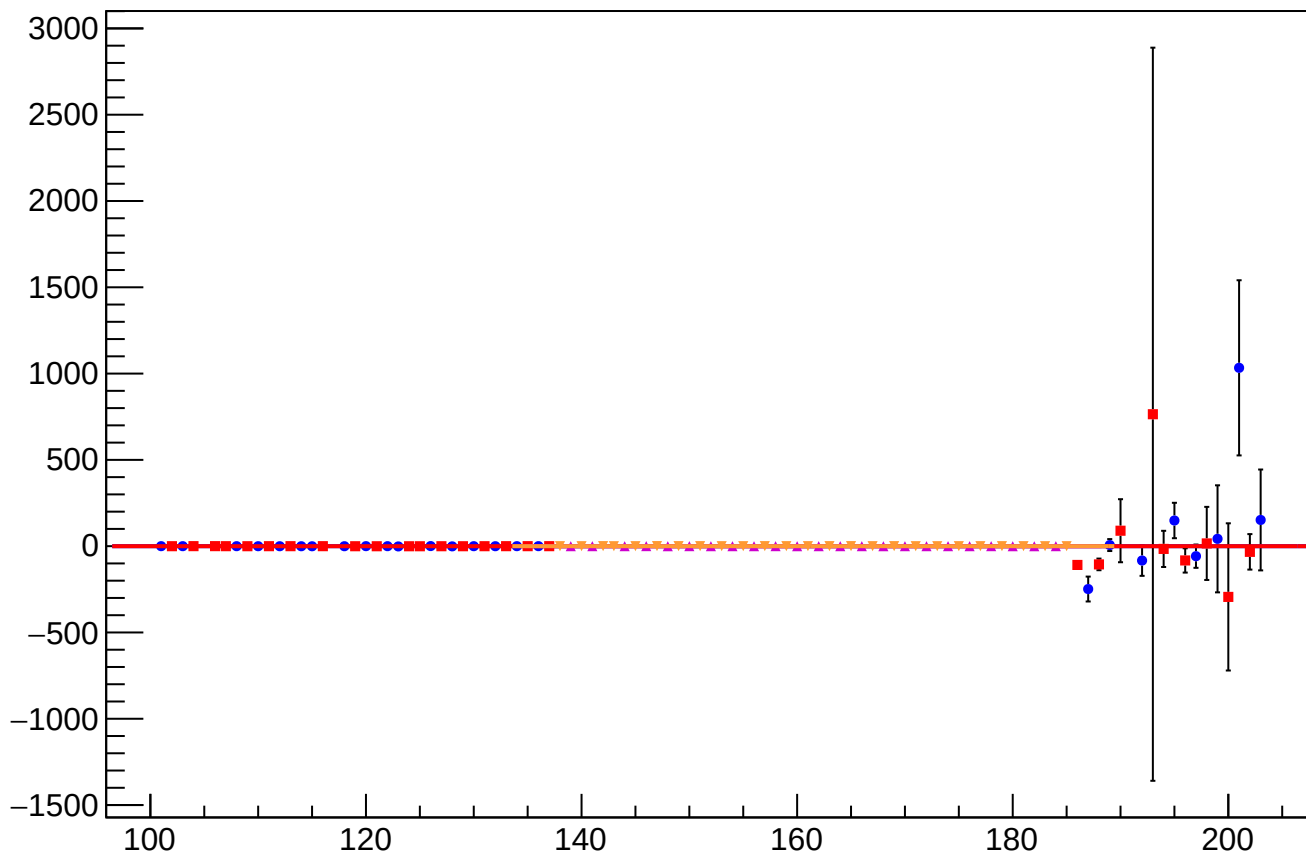
Right: -0.072 ± 0.027 $\chi^2/\text{NDF}: 65.7/51$

In: -0.059 ± 0.019 $\chi^2/\text{NDF}: 87.7/47$

Out: -0.074 ± 0.019 $\chi^2/\text{NDF}: 52.2/51$

All: -0.066 ± 0.013 $\chi^2/\text{NDF}: 140.1/99$

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.130 ± 0.067 $\chi^2/\text{NDF}: 43.8/24$

Left Out: -0.015 ± 0.027 $\chi^2/\text{NDF}: 27.0/24$

Right Out: -0.176 ± 0.071 $\chi^2/\text{NDF}: 70.2/26$

Left In: -0.035 ± 0.027 $\chi^2/\text{NDF}: 27.7/22$

Left: -0.025 ± 0.019 $\chi^2/\text{NDF}: 55.0/47$

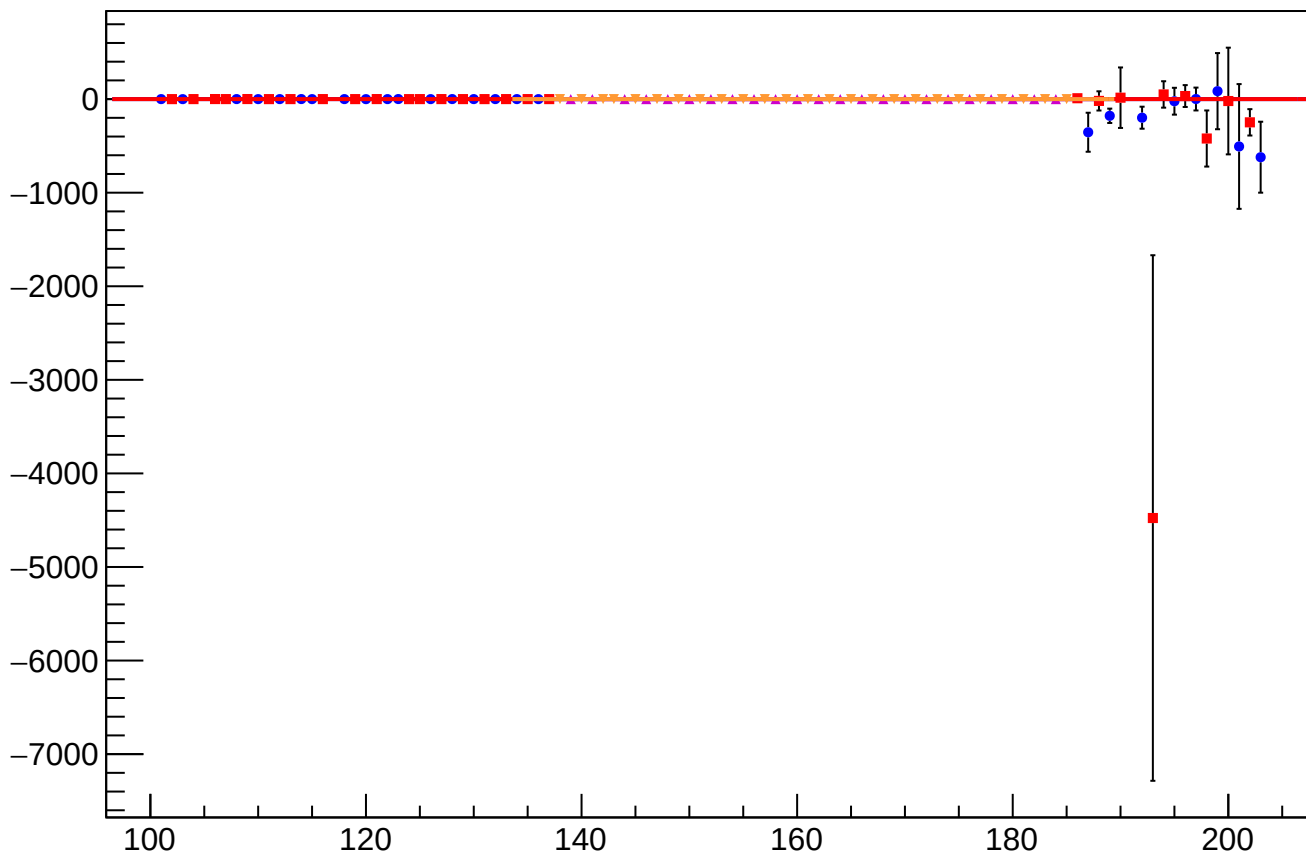
Right: -0.151 ± 0.049 $\chi^2/\text{NDF}: 114.2/51$

In: -0.048 ± 0.025 $\chi^2/\text{NDF}: 73.2/47$

Out: -0.035 ± 0.025 $\chi^2/\text{NDF}: 101.7/51$

All: -0.042 ± 0.018 $\chi^2/\text{NDF}: 175.1/99$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 37.0/24

Left Out: 0.062+/-0.024 χ^2/NDF : 25.0/24

Right Out: 0.152+/-0.045 χ^2/NDF : 23.7/26

Left In: 0.069+/-0.025 χ^2/NDF : 51.4/22

Left: 0.065+/-0.017 χ^2/NDF : 76.5/47

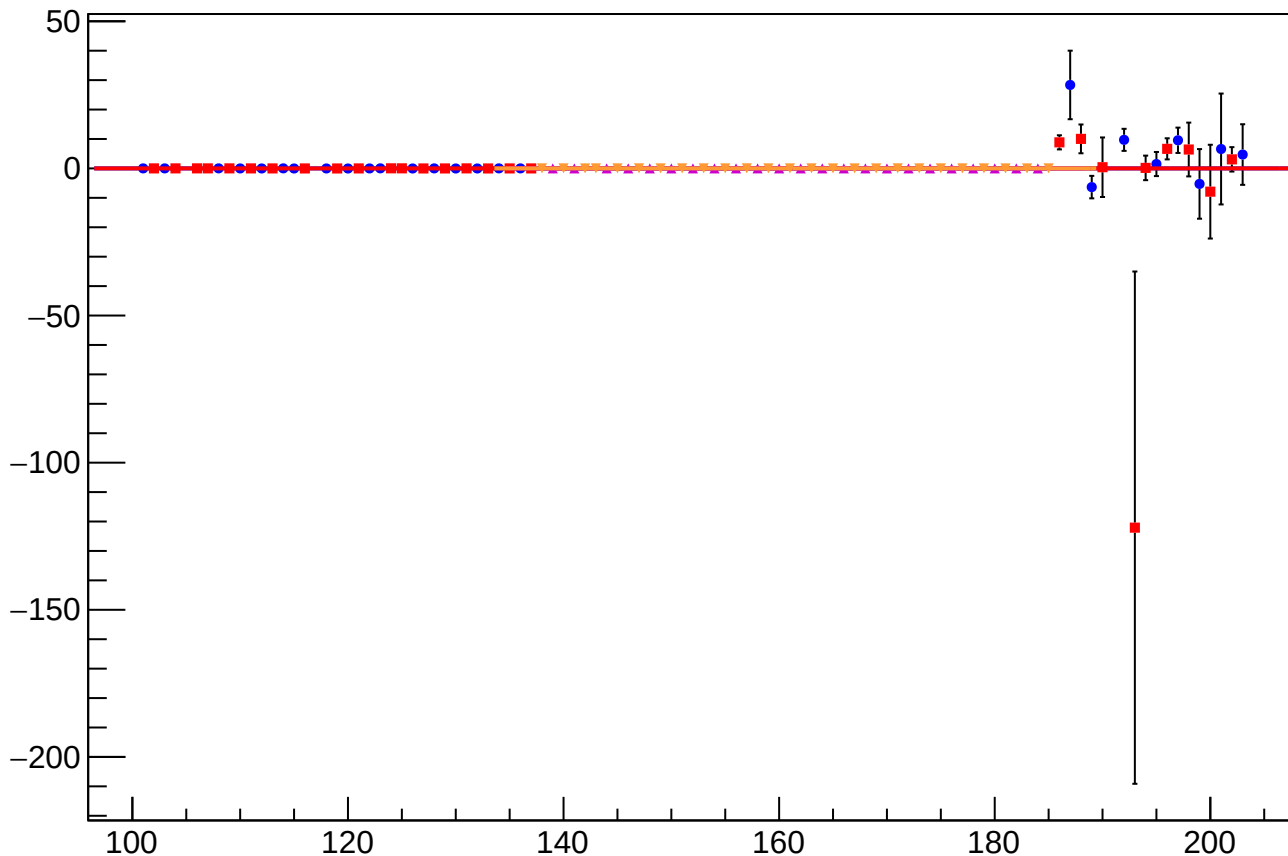
Right: 0.082+/-0.031 χ^2/NDF : 65.1/51

In: 0.057+/-0.021 χ^2/NDF : 89.4/47

Out: 0.081+/-0.021 χ^2/NDF : 51.8/51

All: 0.069+/-0.015 χ^2/NDF : 141.9/99

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 53.4/24

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 25.9/24

Right Out: 0.002 $\pm$ 0.002 χ^2 /NDF: 45.1/26

Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 15.8/22

Left: 0.009 $\pm$ 0.001 χ^2 /NDF: 42.0/47

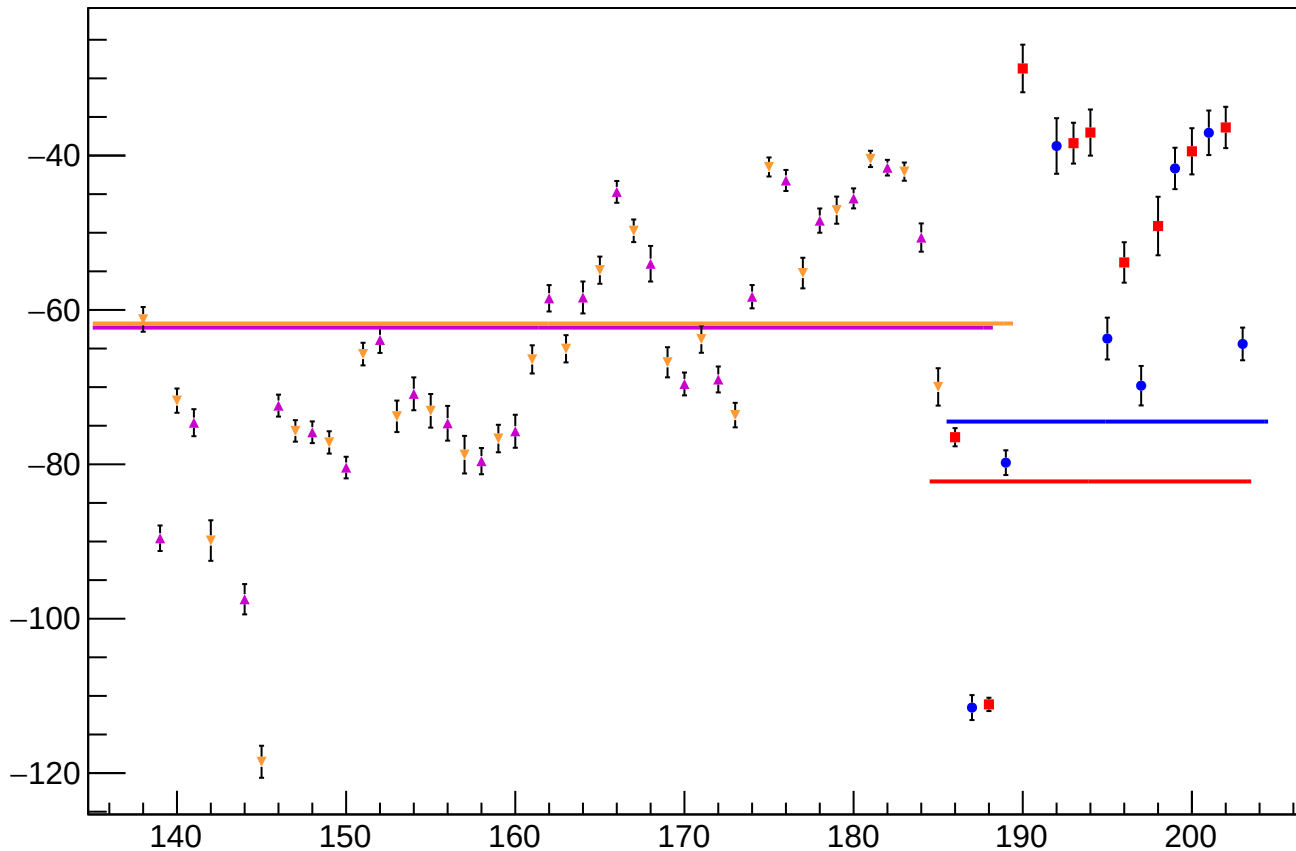
Right: 0.002 $\pm$ 0.002 χ^2 /NDF: 98.6/51

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 79.3/47

Out: 0.007 $\pm$ 0.001 χ^2 /NDF: 76.3/51

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 155.6/99

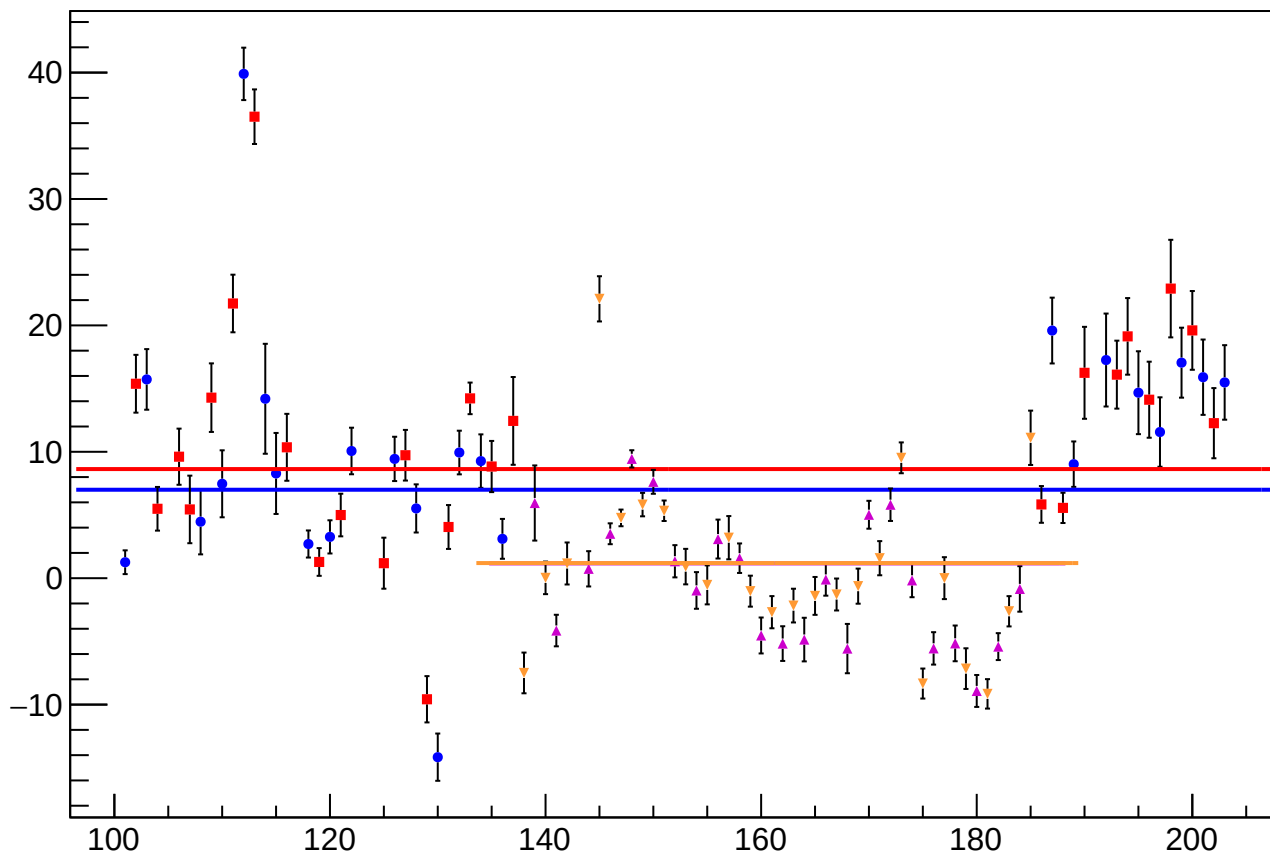
reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -74.462 ± 0.786 χ^2/NDF : 993.3/7
 Left Out: -61.756 ± 0.334 χ^2/NDF : 2509.2/23
 Right Out: -82.217 ± 0.589 χ^2/NDF : 2636.8/8
 Left In: -62.290 ± 0.331 χ^2/NDF : 2265.0/22

Left: -62.025 ± 0.235 χ^2/NDF : 4775.5/46
 Right: -79.430 ± 0.471 χ^2/NDF : 3692.5/16
 In: -64.125 ± 0.305 χ^2/NDF : 3462.0/30
 Out: -66.735 ± 0.290 χ^2/NDF : 6060.3/32
 All: -65.495 ± 0.210 χ^2/NDF : 9560.7/63

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.998 ± 0.387 $\chi^2/\text{NDF}: 545.0/23$

Left Out: 1.197 ± 0.252 $\chi^2/\text{NDF}: 526.1/23$

Right Out: 8.633 ± 0.385 $\chi^2/\text{NDF}: 474.3/25$

Left In: 1.171 ± 0.255 $\chi^2/\text{NDF}: 466.2/22$

Left: 1.184 ± 0.179 $\chi^2/\text{NDF}: 992.3/46$

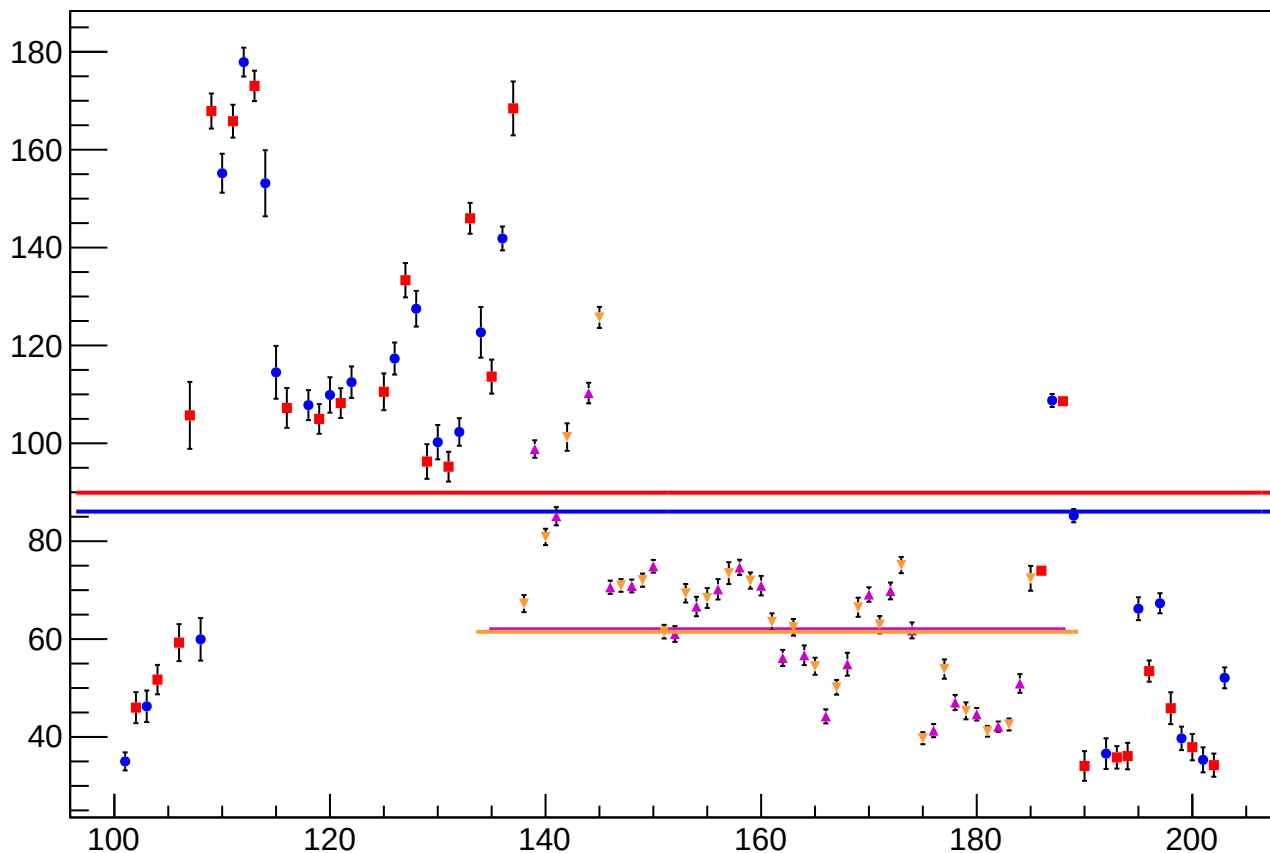
Right: 7.819 ± 0.273 $\chi^2/\text{NDF}: 1028.2/49$

In: 2.935 ± 0.213 $\chi^2/\text{NDF}: 1169.6/46$

Out: 3.431 ± 0.211 $\chi^2/\text{NDF}: 1261.0/49$

All: 3.185 ± 0.150 $\chi^2/\text{NDF}: 2433.3/96$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 86.054 $\pm$ 0.519 χ^2 /NDF: 5066.2/23

Left Out: 61.496 $\pm$ 0.332 χ^2 /NDF: 2610.2/23

Right Out: 89.920 $\pm$ 0.420 χ^2 /NDF: 6646.4/25

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

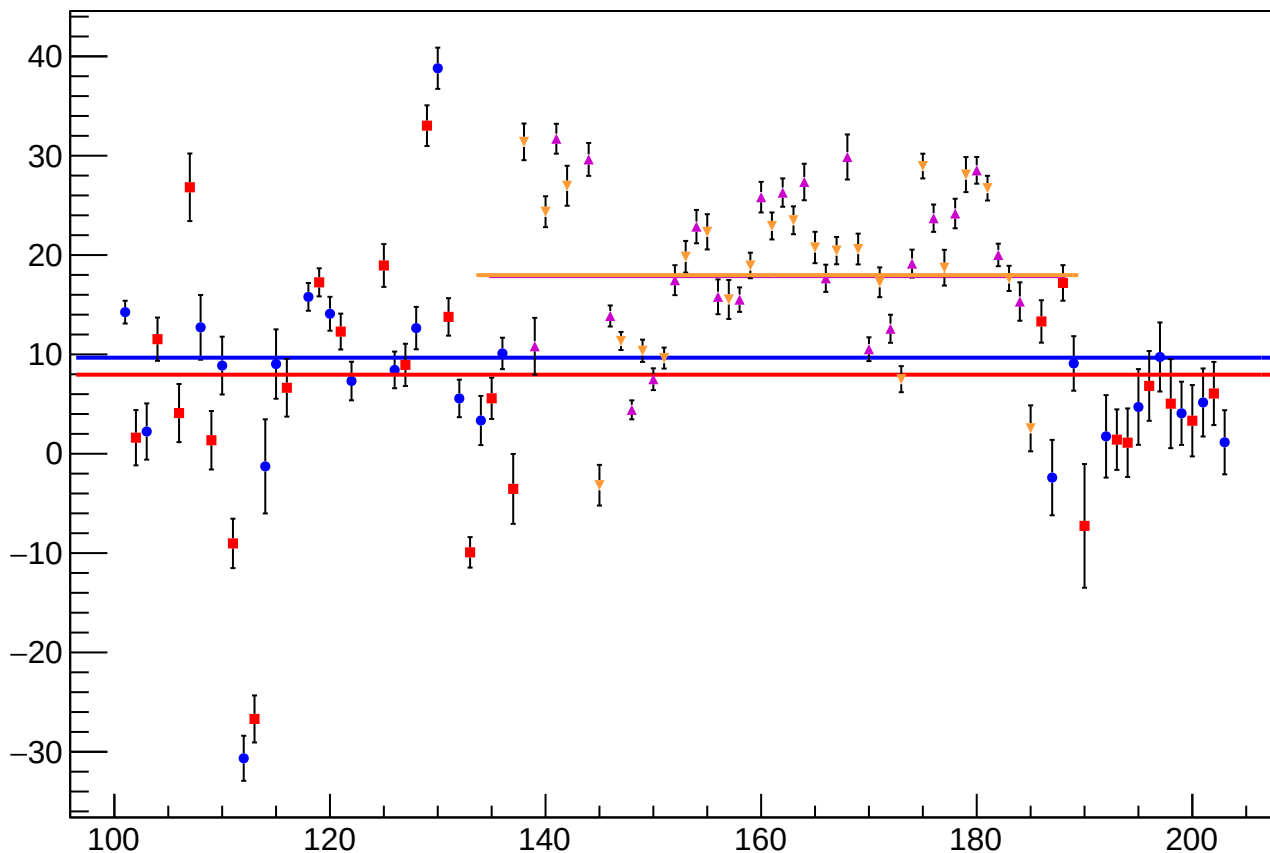
Right: 88.388 $\pm$ 0.327 χ^2 /NDF: 11746.1/49

In: 68.892 $\pm$ 0.278 χ^2 /NDF: 9117.5/46

Out: 72.432 $\pm$ 0.261 χ^2 /NDF: 12071.9/49

All: 70.775 $\pm$ 0.190 χ^2 /NDF: 21275.7/96

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.669 ± 0.455 χ^2/NDF : 611.7/23

Left Out: 17.979 ± 0.291 χ^2/NDF : 674.8/23

Right Out: 7.958 ± 0.462 χ^2/NDF : 739.3/25

Left In: 17.881 ± 0.292 χ^2/NDF : 730.9/22

Left: 17.930 ± 0.206 χ^2/NDF : 1405.8/46

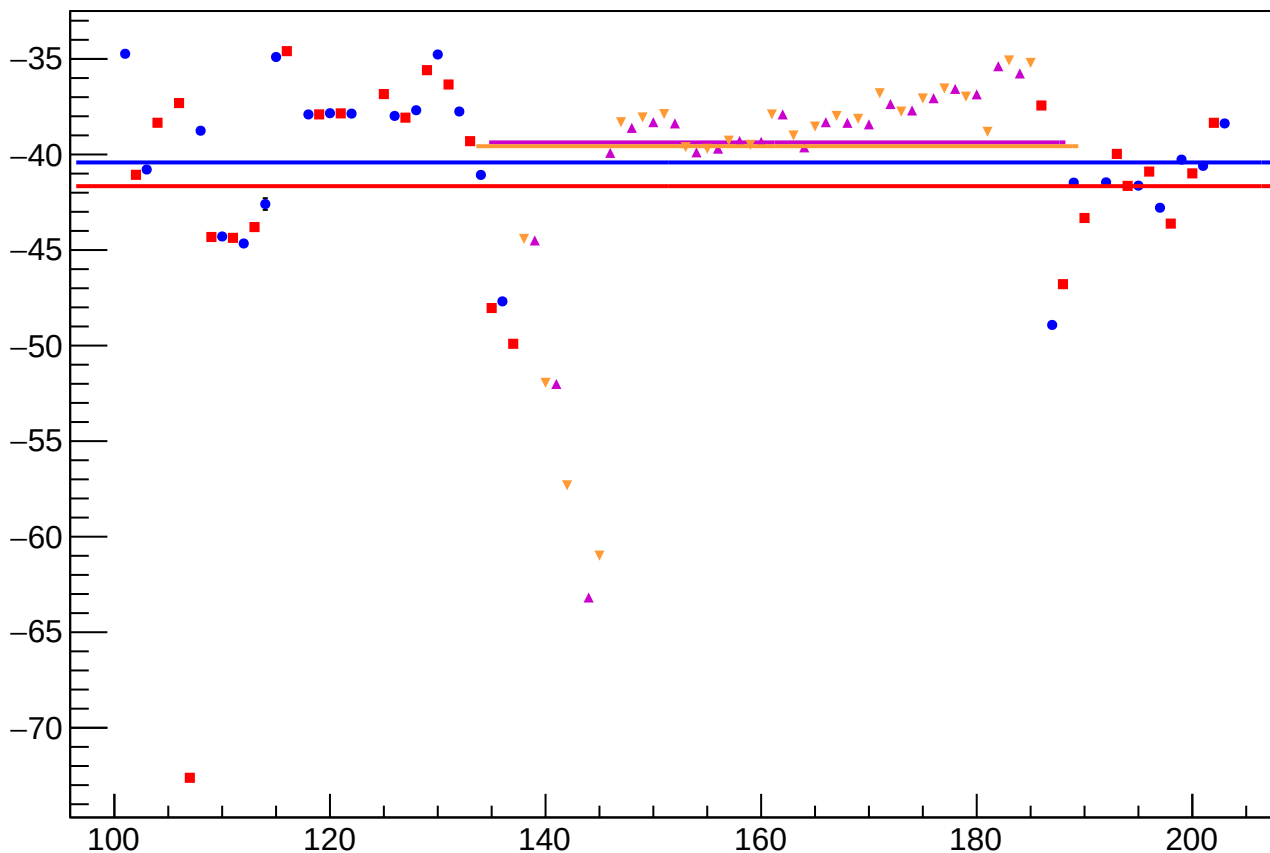
Right: 8.826 ± 0.324 χ^2/NDF : 1357.9/49

In: 15.492 ± 0.246 χ^2/NDF : 1573.2/46

Out: 15.139 ± 0.246 χ^2/NDF : 1750.7/49

All: 15.316 ± 0.174 χ^2/NDF : 3324.9/96

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.416 ± 0.023 χ^2/NDF : 27784.6/23

Left Out: -39.567 ± 0.014 χ^2/NDF : 141152.0/23

Right Out: -41.657 ± 0.023 χ^2/NDF : 66069.5/25

Left In: -39.368 ± 0.014 χ^2/NDF : 117958.1/22

Left: -39.466 ± 0.010 χ^2/NDF : 259216.7/46

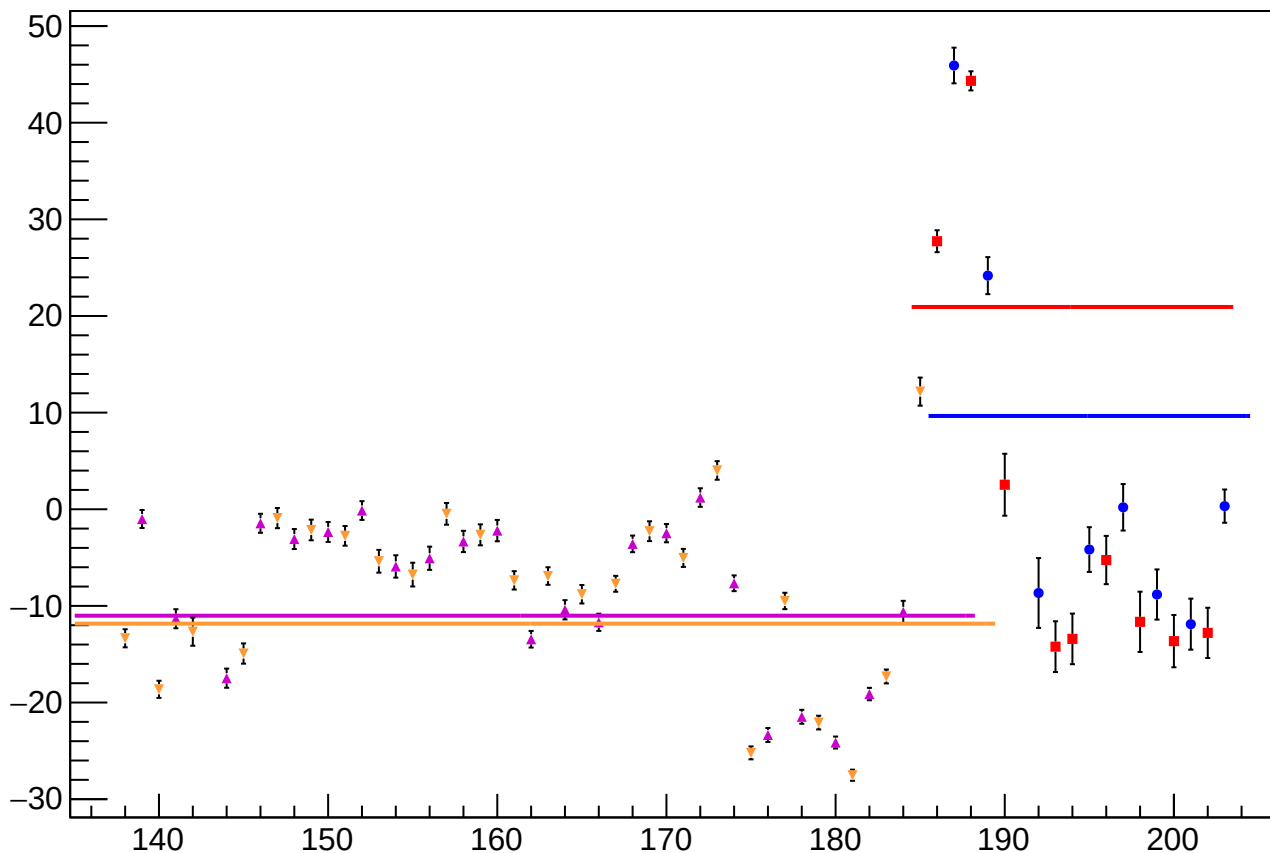
Right: -41.054 ± 0.016 χ^2/NDF : 95318.3/49

In: -39.634 ± 0.012 χ^2/NDF : 147260.8/46

Out: -40.130 ± 0.012 χ^2/NDF : 213461.0/49

All: -39.881 ± 0.008 χ^2/NDF : 361618.6/96

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 9.654 ± 0.783 $\chi^2/\text{NDF}: 667.2/7$

Left Out: -11.837 ± 0.187 $\chi^2/\text{NDF}: 2742.4/23$

Right Out: 20.933 ± 0.605 $\chi^2/\text{NDF}: 1529.1/8$

Left In: -11.014 ± 0.187 $\chi^2/\text{NDF}: 2116.6/22$

Left: -11.426 ± 0.132 $\chi^2/\text{NDF}: 4868.7/46$

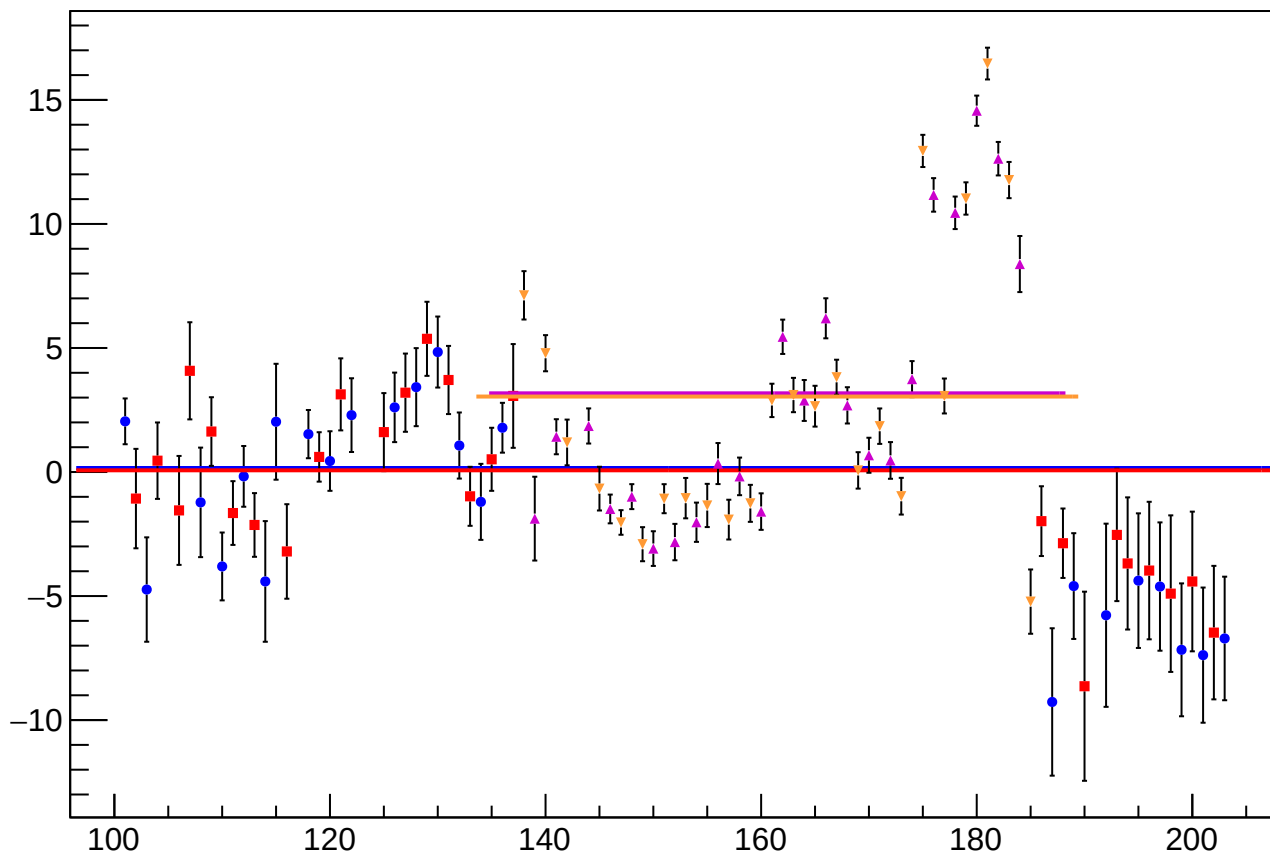
Right: 16.716 ± 0.479 $\chi^2/\text{NDF}: 2326.3/16$

In: -9.896 ± 0.182 $\chi^2/\text{NDF}: 3443.2/30$

Out: -8.984 ± 0.178 $\chi^2/\text{NDF}: 6950.5/32$

All: -9.431 ± 0.127 $\chi^2/\text{NDF}: 10406.6/63$

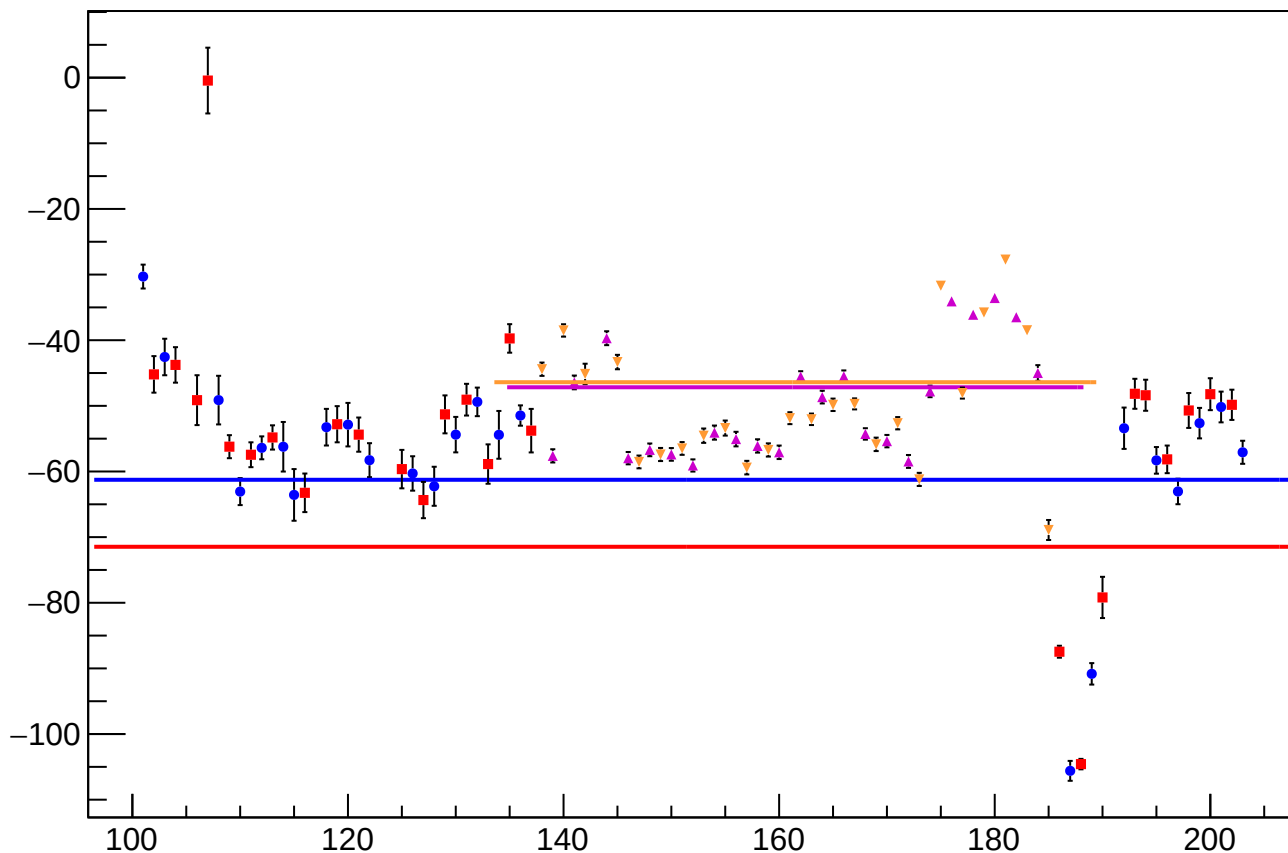
reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.162 ± 0.318 $\chi^2/\text{NDF}: 95.2/23$
 Left Out: 3.042 ± 0.148 $\chi^2/\text{NDF}: 1452.6/23$
 Right Out: 0.069 ± 0.319 $\chi^2/\text{NDF}: 74.0/25$
 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: 0.116 ± 0.225 $\chi^2/\text{NDF}: 169.3/49$
 In: 2.627 ± 0.135 $\chi^2/\text{NDF}: 1466.4/46$
 Out: 2.517 ± 0.134 $\chi^2/\text{NDF}: 1598.2/49$
 All: 2.571 ± 0.095 $\chi^2/\text{NDF}: 3064.9/96$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.263 ± 0.457 χ^2/NDF : 1686.1/23

Left Out: -46.398 ± 0.187 χ^2/NDF : 3289.4/23

Right Out: -71.469 ± 0.390 χ^2/NDF : 3671.6/25

Left In: -47.170 ± 0.186 χ^2/NDF : 2526.3/22

Left: -46.784 ± 0.132 χ^2/NDF : 5824.3/46

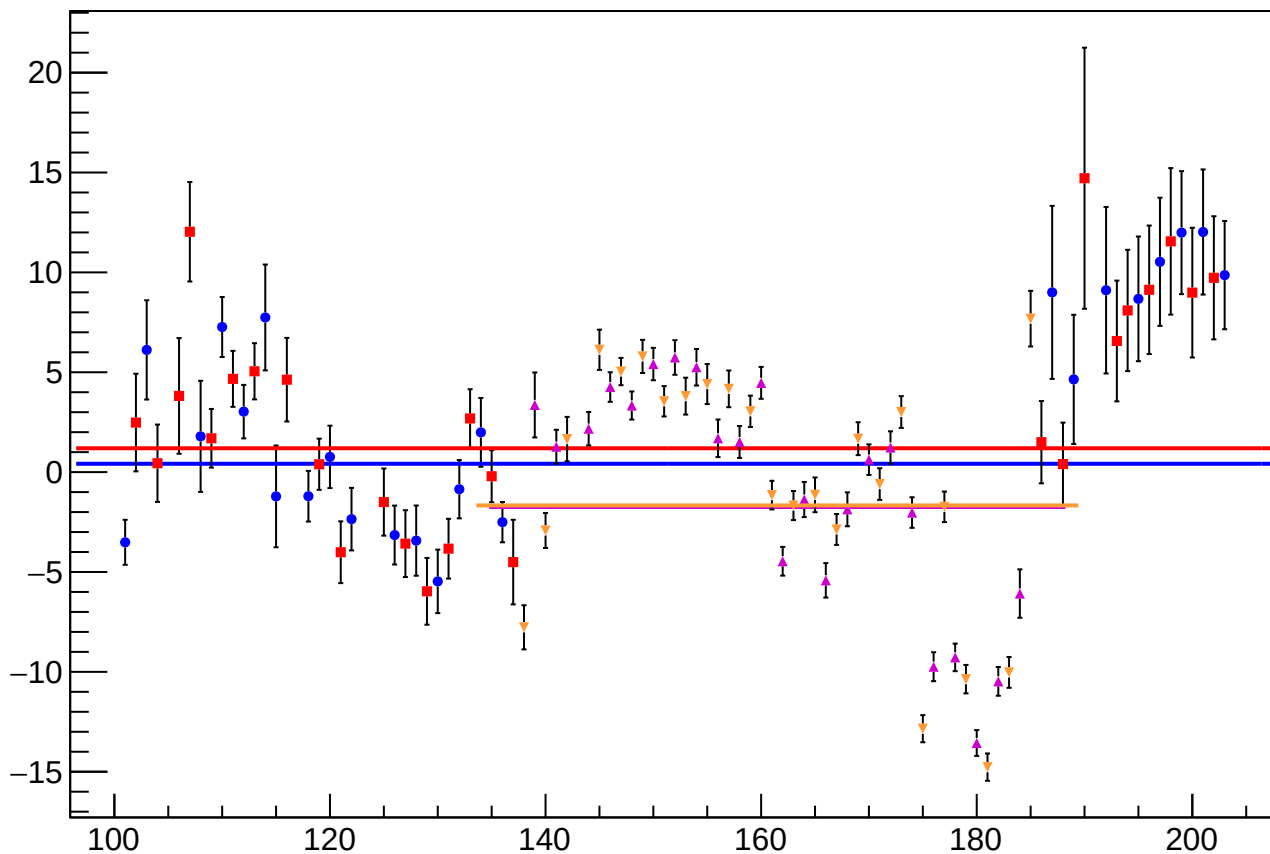
Right: -67.179 ± 0.297 χ^2/NDF : 5646.3/49

In: -49.178 ± 0.173 χ^2/NDF : 5026.5/46

Out: -51.076 ± 0.168 χ^2/NDF : 10331.3/49

All: -50.152 ± 0.121 χ^2/NDF : 15419.7/96

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

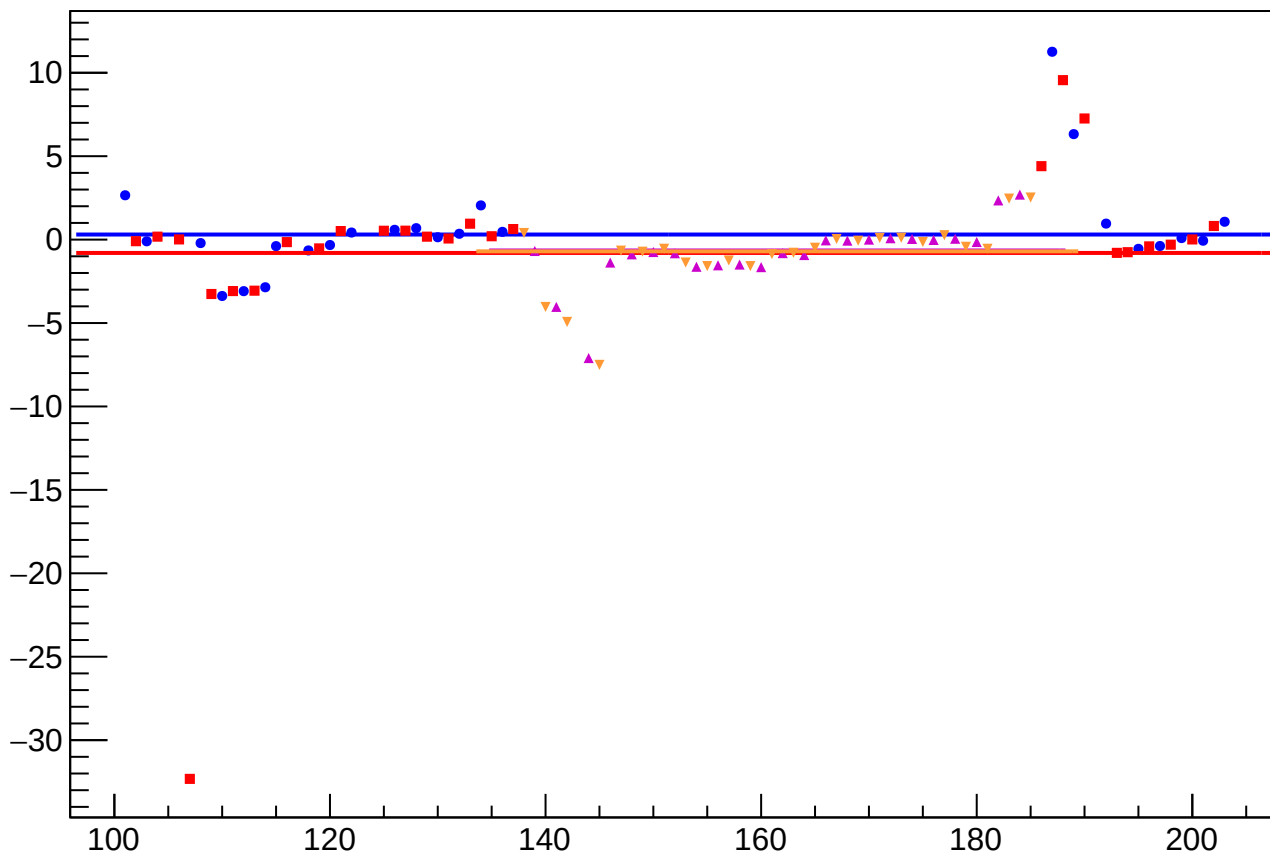


Right In: 0.418 ± 0.364 $\chi^2/\text{NDF}: 156.5/23$
 Left Out: -1.668 ± 0.167 $\chi^2/\text{NDF}: 1479.3/23$
 Right Out: 1.193 ± 0.370 $\chi^2/\text{NDF}: 138.4/25$
 Left In: -1.746 ± 0.168 $\chi^2/\text{NDF}: 1254.1/22$

Left: -1.707 ± 0.119 $\chi^2/\text{NDF}: 2733.5/46$
 Right: 0.800 ± 0.259 $\chi^2/\text{NDF}: 297.1/49$
 In: -1.365 ± 0.153 $\chi^2/\text{NDF}: 1439.6/46$
 Out: -1.183 ± 0.152 $\chi^2/\text{NDF}: 1667.5/49$

All: -1.274 ± 0.108 $\chi^2/\text{NDF}: 3107.9/96$

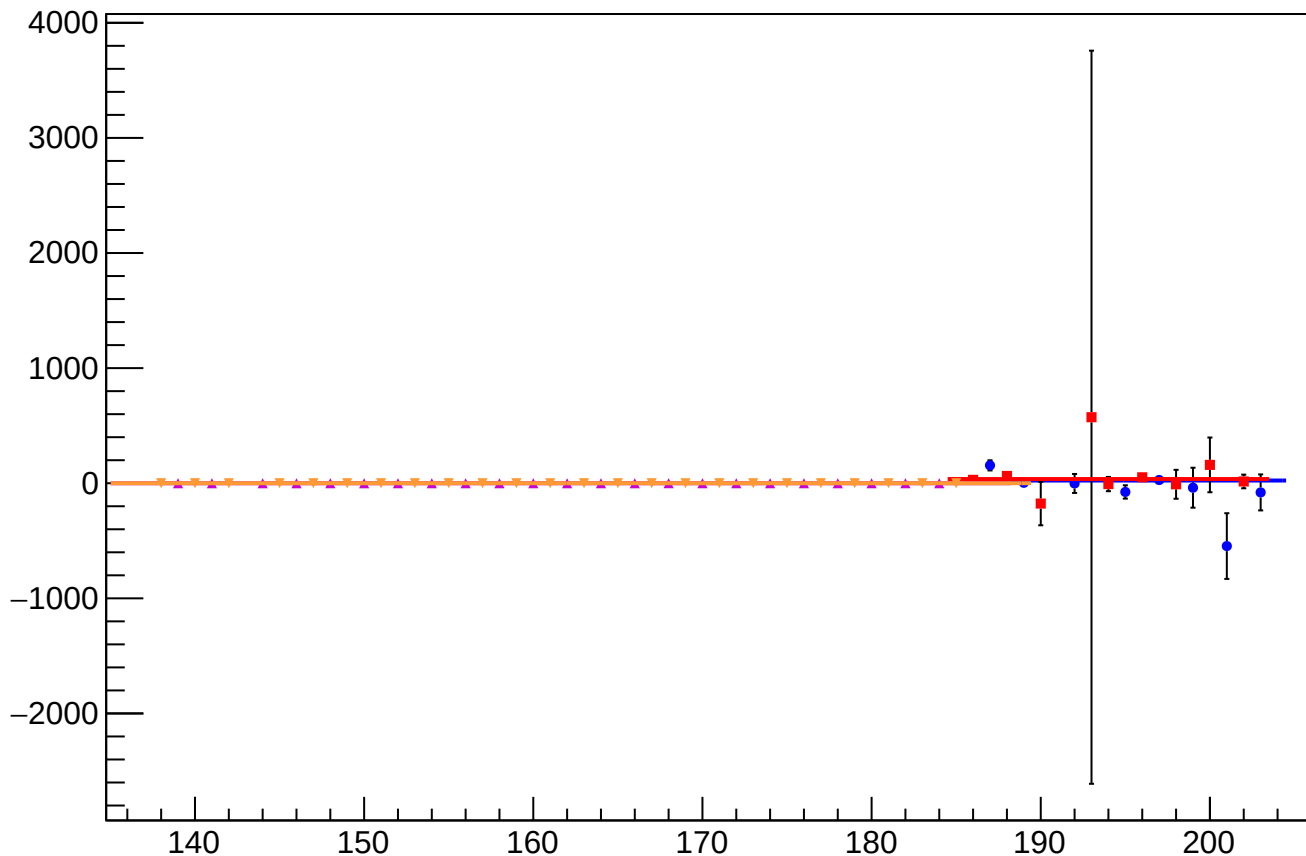
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.305 $\pm$ 0.019 χ^2 /NDF: 9508.4/23
 Left Out: -0.703 $\pm$ 0.008 χ^2 /NDF: 53770.3/23
 Right Out: -0.799 $\pm$ 0.018 χ^2 /NDF: 92578.0/25
 Left In: -0.651 $\pm$ 0.008 χ^2 /NDF: 44167.1/22

Left: -0.677 $\pm$ 0.005 χ^2 /NDF: 97959.9/46
 Right: -0.255 $\pm$ 0.013 χ^2 /NDF: 103842.3/49
 In: -0.516 $\pm$ 0.007 χ^2 /NDF: 55904.5/46
 Out: -0.717 $\pm$ 0.007 χ^2 /NDF: 146371.6/49
 All: -0.616 $\pm$ 0.005 χ^2 /NDF: 202681.0/96

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 23.495+/-18.953 χ^2/NDF : 16.9/7

Left Out: -0.038+/-0.018 χ^2/NDF : 35.6/23

Right Out: 36.350+/-9.833 χ^2/NDF : 4.4/8

Left In: -0.009+/-0.018 χ^2/NDF : 35.3/22

Left: -0.024+/-0.013 χ^2/NDF : 72.1/46

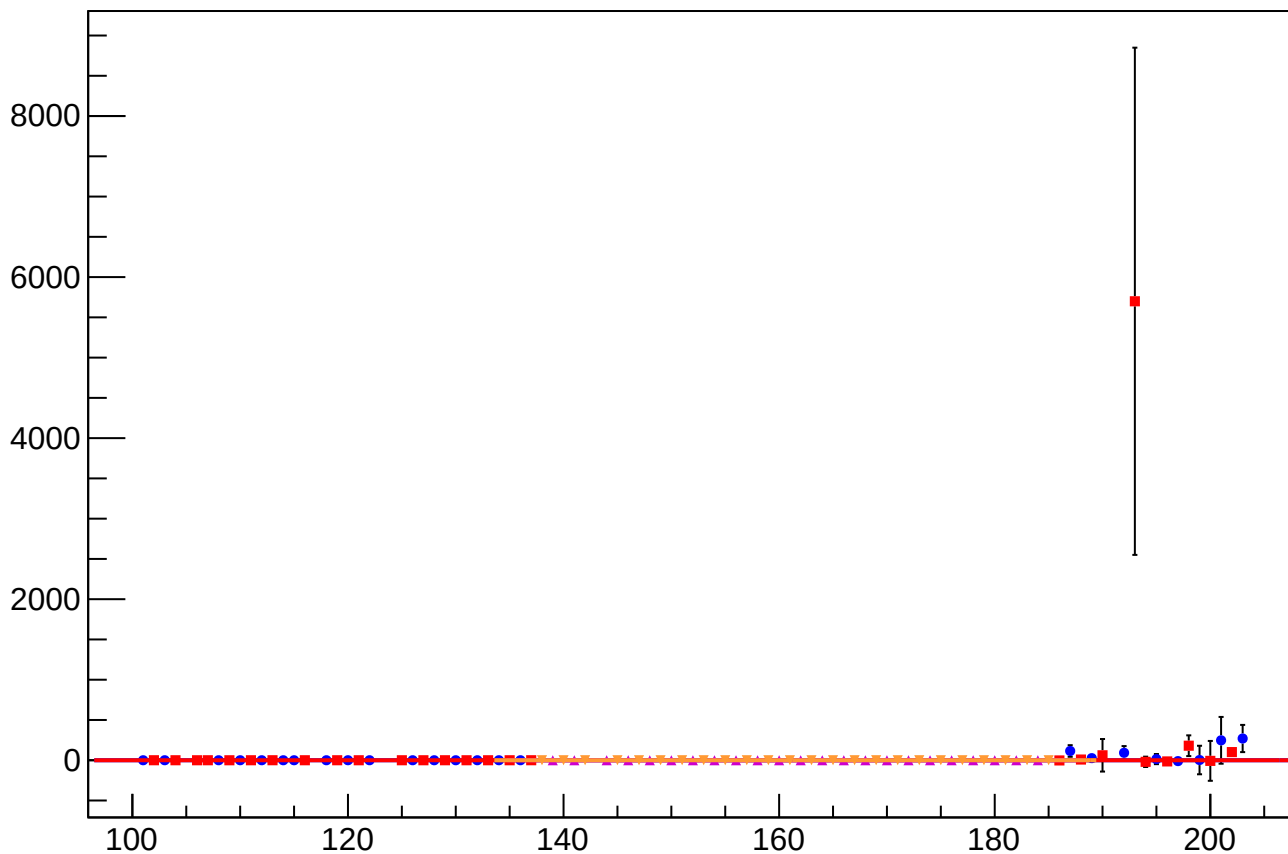
Right: 33.623+/-8.728 χ^2/NDF : 21.7/16

In: -0.009+/-0.018 χ^2/NDF : 53.7/30

Out: -0.038+/-0.018 χ^2/NDF : 53.7/32

All: -0.024+/-0.013 χ^2/NDF : 108.7/63

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 20.0/23

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.092 ± 0.025 χ^2/NDF : 17.5/25

Left In: -0.065 ± 0.014 χ^2/NDF : 40.4/22

Left: -0.069 ± 0.010 χ^2/NDF : 68.3/46

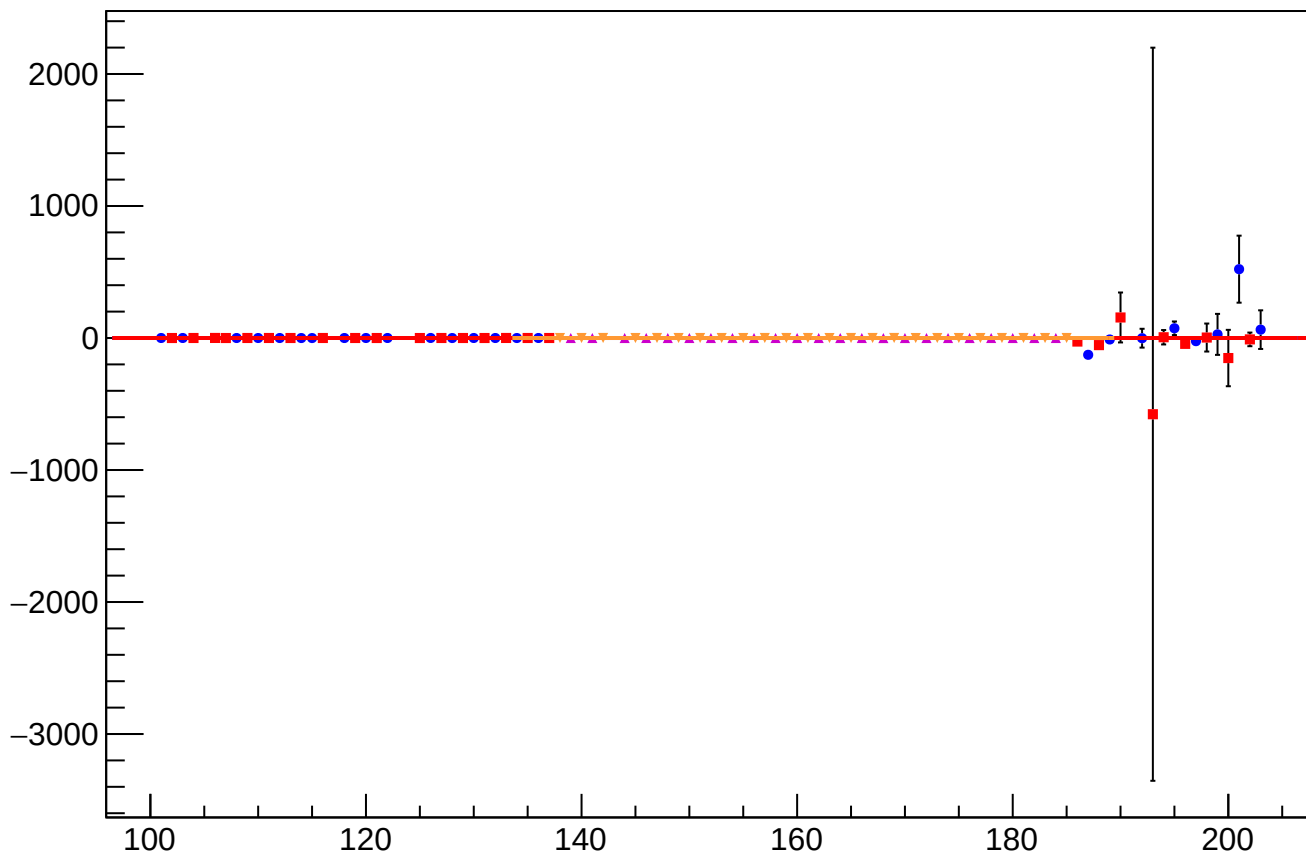
Right: -0.050 ± 0.017 χ^2/NDF : 43.0/49

In: -0.051 ± 0.012 χ^2/NDF : 64.1/46

Out: -0.078 ± 0.012 χ^2/NDF : 45.8/49

All: -0.064 ± 0.009 χ^2/NDF : 112.3/96

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.043 χ^2/NDF : 29.2/23

Left Out: 0.036+/-0.018 χ^2/NDF : 32.4/23

Right Out: 0.028+/-0.045 χ^2/NDF : 28.9/25

Left In: -0.010+/-0.018 χ^2/NDF : 37.1/22

Left: 0.013+/-0.013 χ^2/NDF : 72.8/46

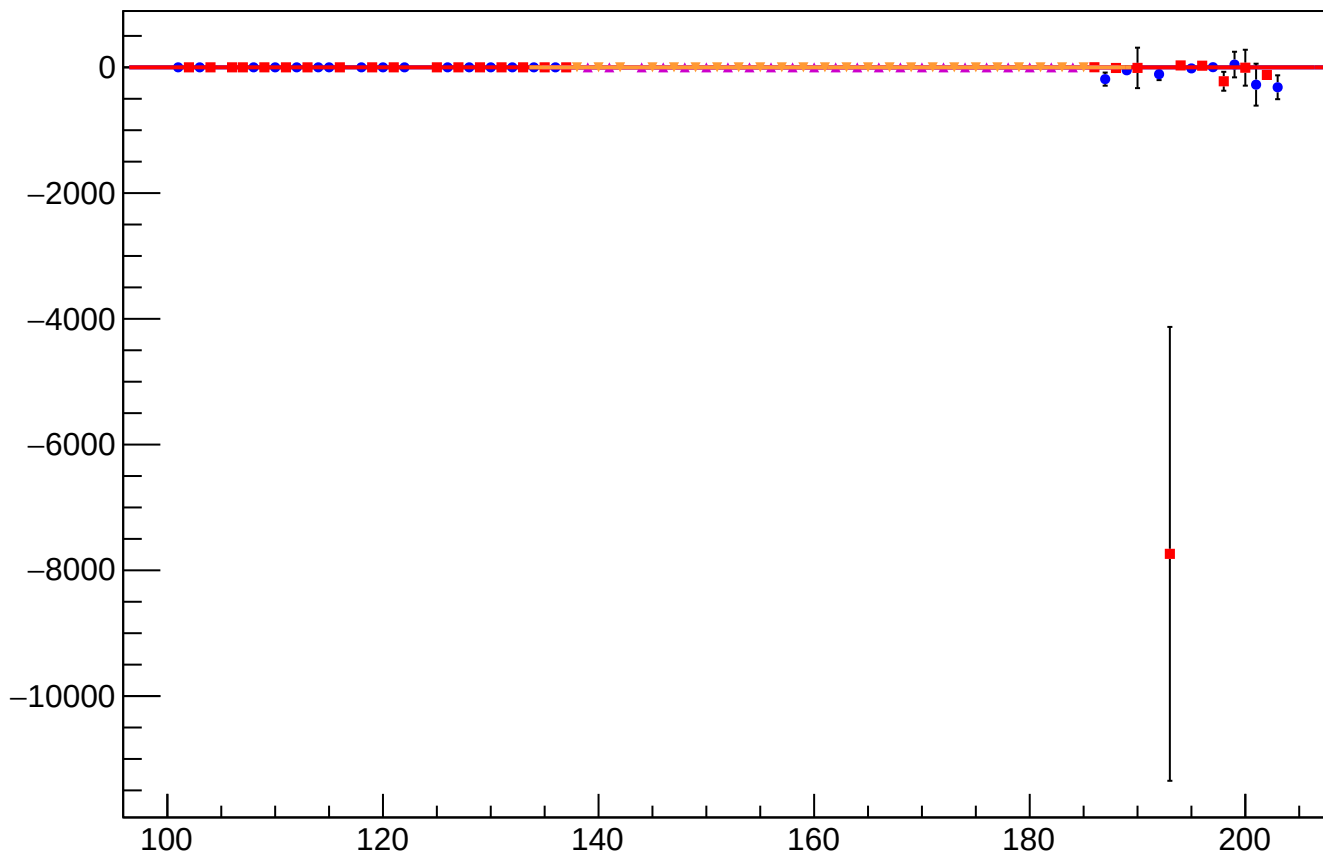
Right: 0.023+/-0.031 χ^2/NDF : 58.1/49

In: -0.006+/-0.017 χ^2/NDF : 66.7/46

Out: 0.035+/-0.017 χ^2/NDF : 61.3/49

All: 0.014+/-0.012 χ^2/NDF : 131.0/96

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 21.0/23

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF:27.8/23

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 18.1/25

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

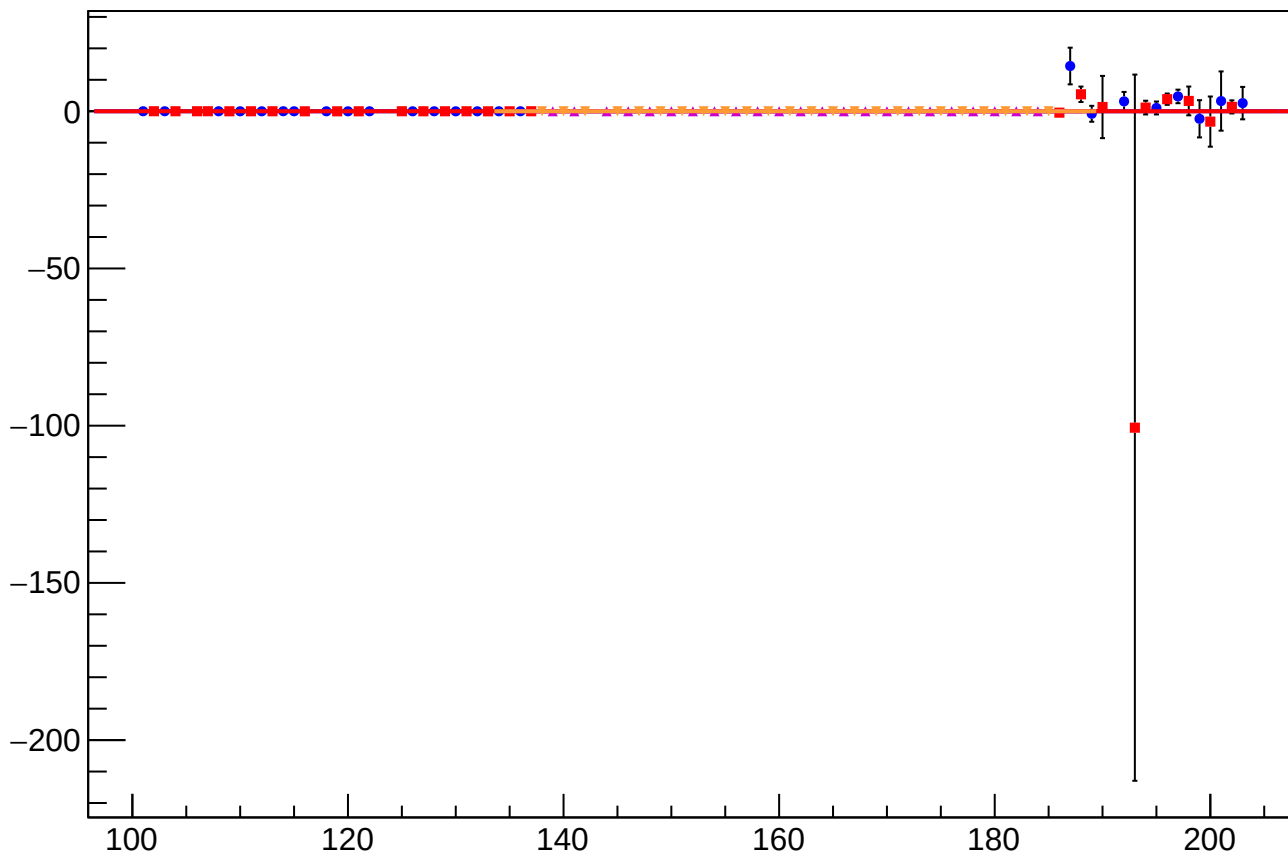
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 45.9/49

In: 0.054 $\pm$ 0.014 χ^2 /NDF:69.2/46

Out: 0.092 $\pm$ 0.014 χ^2 /NDF:46.3/49

All: 0.073 $\pm$ 0.010 χ^2 /NDF: 119.1/96

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 35.5/23

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.9/23

Right Out: -0.004 ± 0.001 χ^2/NDF : 35.4/25

Left In: 0.000 ± 0.001 χ^2/NDF : 22.4/22

Left: 0.000 ± 0.001 χ^2/NDF : 46.3/46

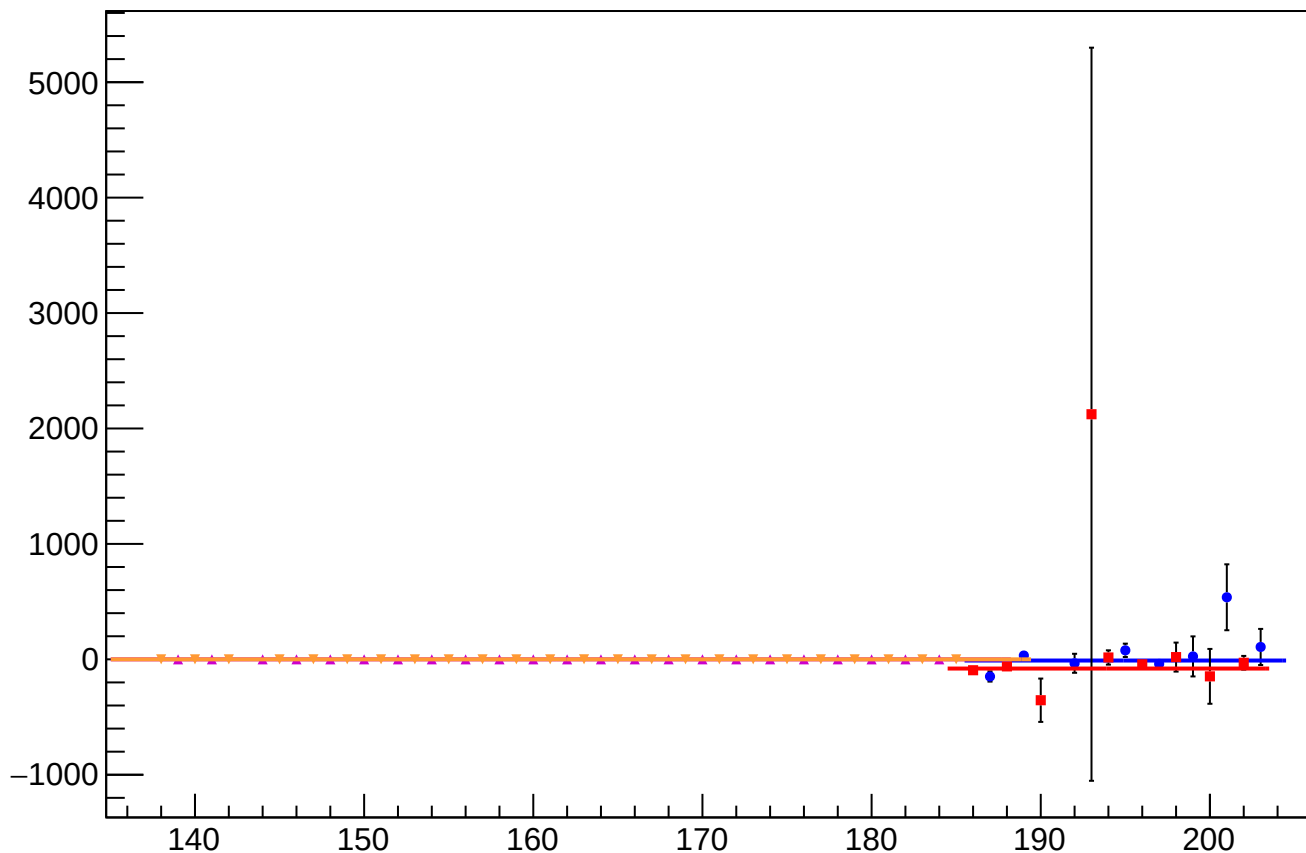
Right: -0.005 ± 0.001 χ^2/NDF : 71.2/49

In: -0.001 ± 0.001 χ^2/NDF : 69.9/46

Out: -0.001 ± 0.001 χ^2/NDF : 67.2/49

All: -0.001 ± 0.000 χ^2/NDF : 137.3/96

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -10.360 ± 18.940 χ^2/NDF : 19.2/7

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -79.823 ± 9.835 χ^2/NDF : 9.5/8

Left In: -0.010 ± 0.018 χ^2/NDF : 33.3/22

Left: -0.031 ± 0.013 χ^2/NDF : 73.3/46

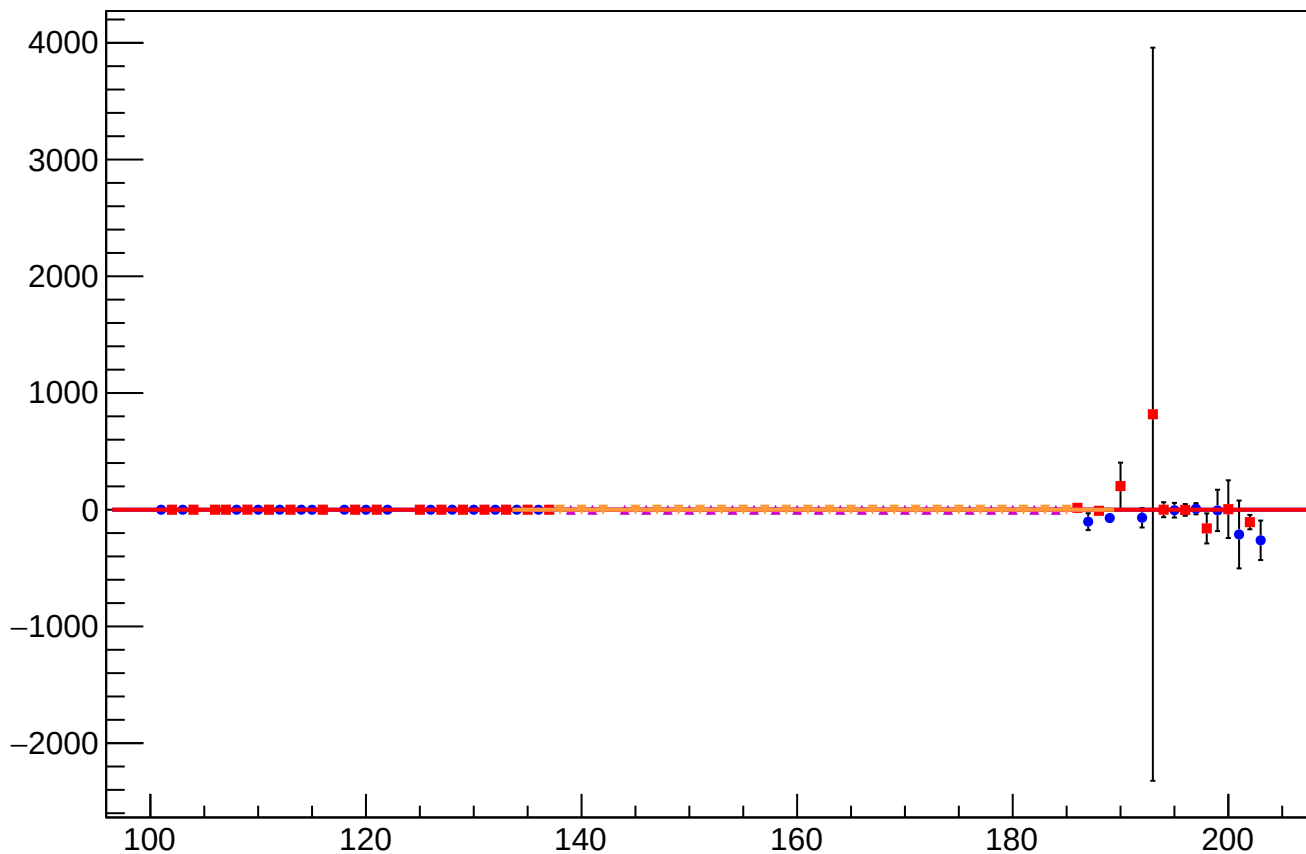
Right: -65.071 ± 8.728 χ^2/NDF : 39.2/16

In: -0.010 ± 0.018 χ^2/NDF : 52.8/30

Out: -0.052 ± 0.018 χ^2/NDF : 112.6/32

All: -0.031 ± 0.013 χ^2/NDF : 168.1/63

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2 /NDF: 35.7/23

Left Out: -0.010 $\pm$ 0.014 χ^2 /NDF:29.5/23

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 33.9/25

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

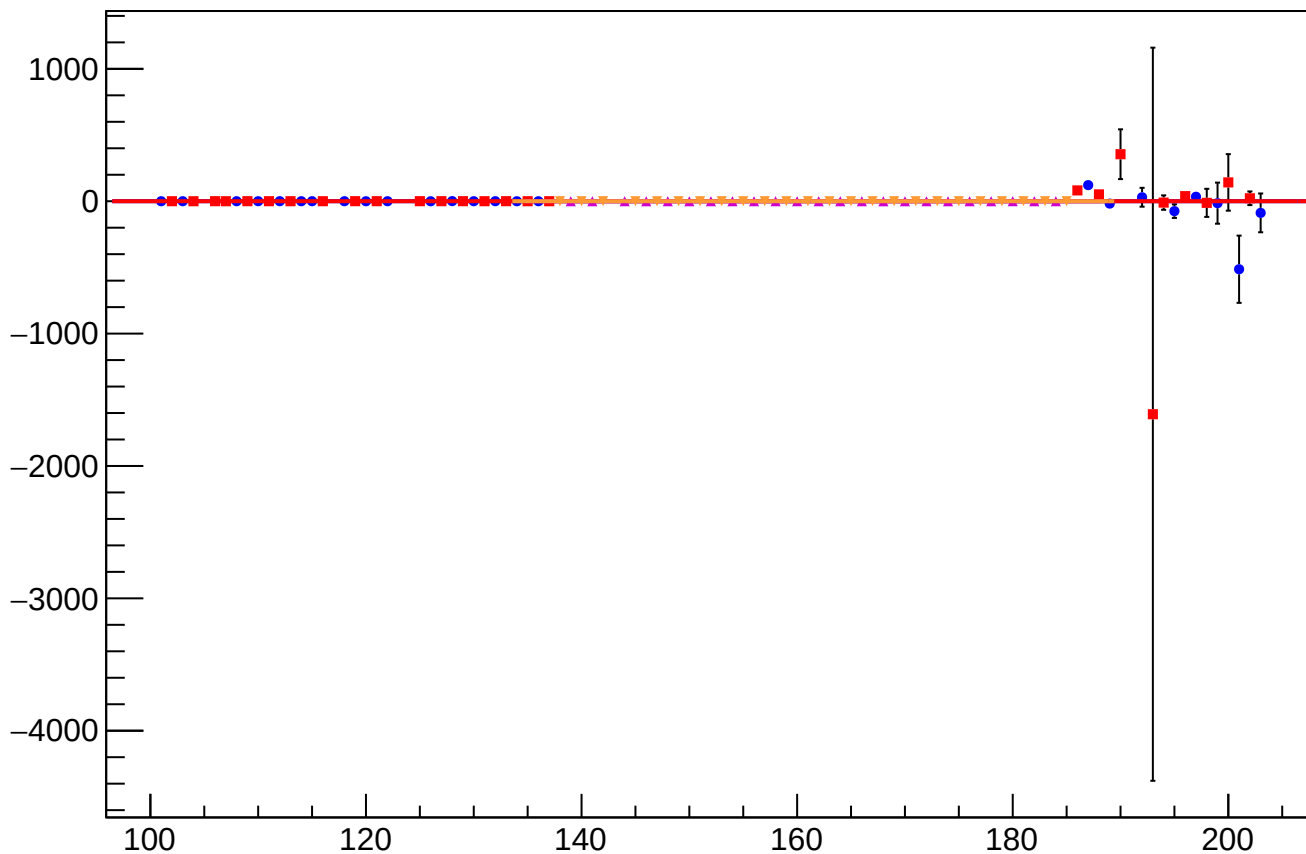
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 70.4/49

In: 0.006 $\pm$ 0.012 χ^2 /NDF:86.1/46

Out: 0.002 $\pm$ 0.012 χ^2 /NDF:66.5/49

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 152.6/96

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152+/-0.043 χ^2/NDF : 48.3/23

Left Out: 0.048+/-0.018 χ^2/NDF :35.4/23

Right Out: 0.204+/-0.045 χ^2/NDF : 97.1/25

Left In: 0.021+/-0.018 χ^2/NDF :34.0/22

Left: 0.034+/-0.013 χ^2/NDF : 70.5/46

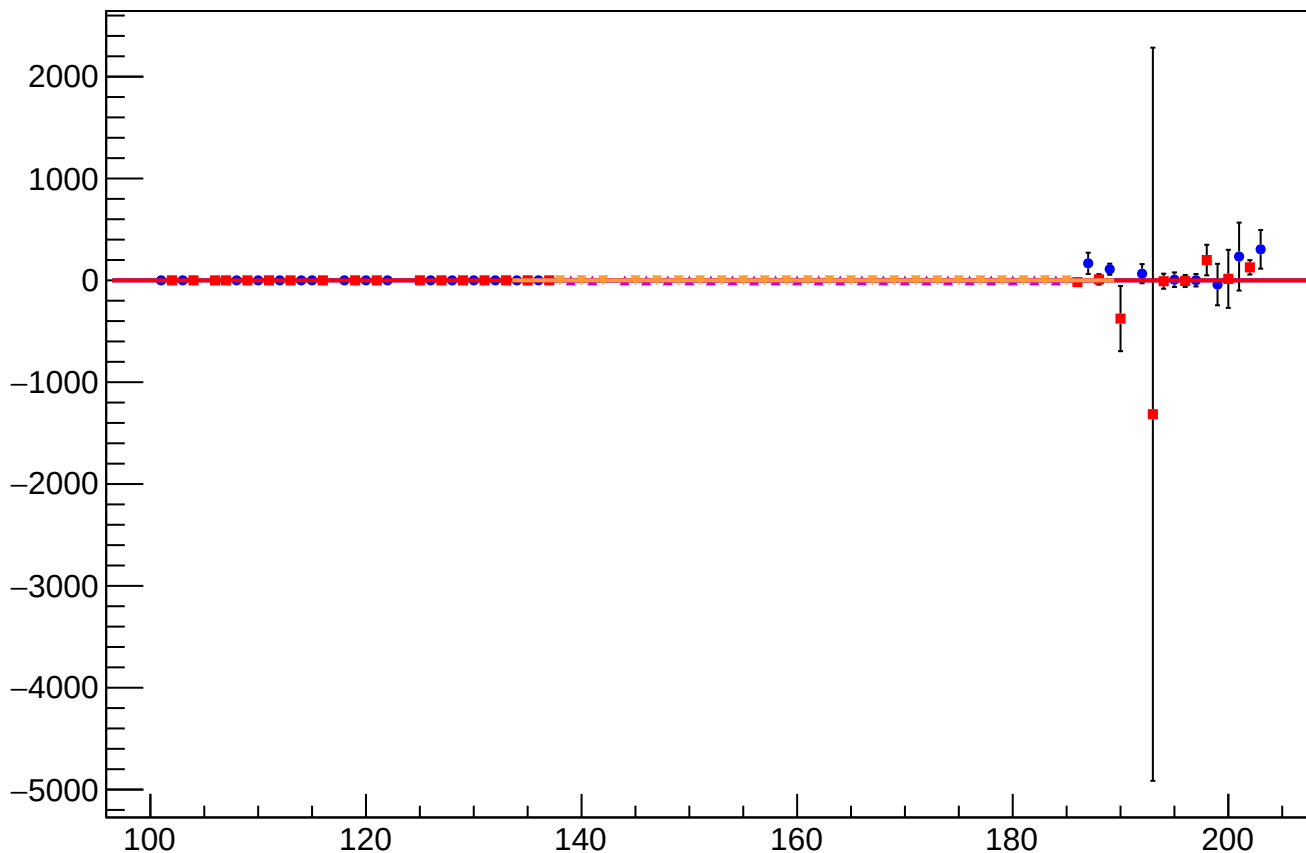
Right: 0.177+/-0.031 χ^2/NDF : 146.1/49

In: 0.041+/-0.017 χ^2/NDF :90.3/46

Out: 0.069+/-0.017 χ^2/NDF :142.9/49

All: 0.055+/-0.012 χ^2/NDF : 234.6/96

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 χ^2/NDF : 35.4/23

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.2/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 32.3/25

Left In: 0.007 ± 0.016 χ^2/NDF : 50.7/22

Left: 0.014 ± 0.011 χ^2/NDF : 84.2/46

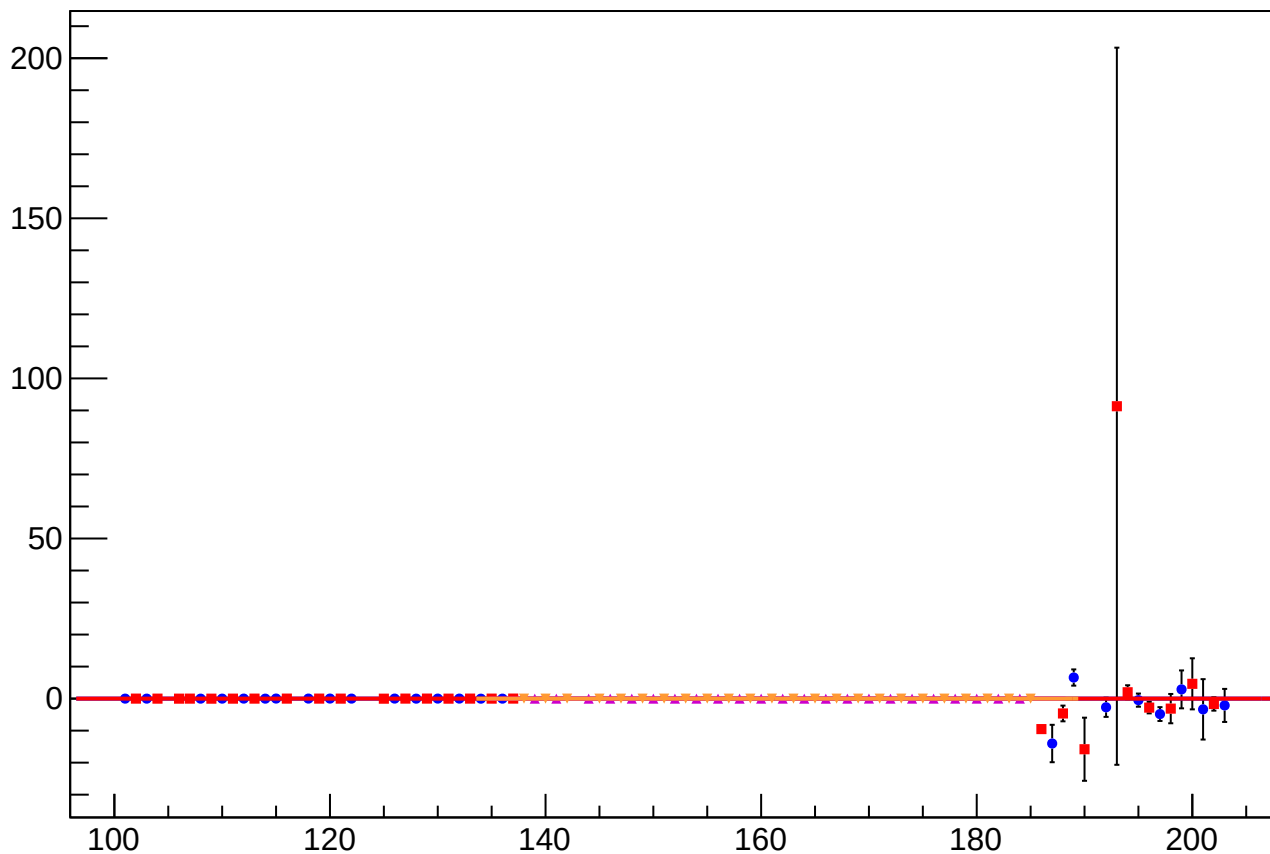
Right: -0.030 ± 0.020 χ^2/NDF : 68.5/49

In: 0.002 ± 0.014 χ^2/NDF : 86.5/46

Out: 0.004 ± 0.014 χ^2/NDF : 70.1/49

All: 0.003 ± 0.010 χ^2/NDF : 156.6/96

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2/NDF : 47.9/23

Left Out: -0.008+/-0.001 χ^2/NDF :31.9/23

Right Out: -0.006+/-0.001 χ^2/NDF : 69.3/25

Left In: -0.009+/-0.001 χ^2/NDF :39.2/22

Left: -0.008+/-0.001 χ^2/NDF : 71.4/46

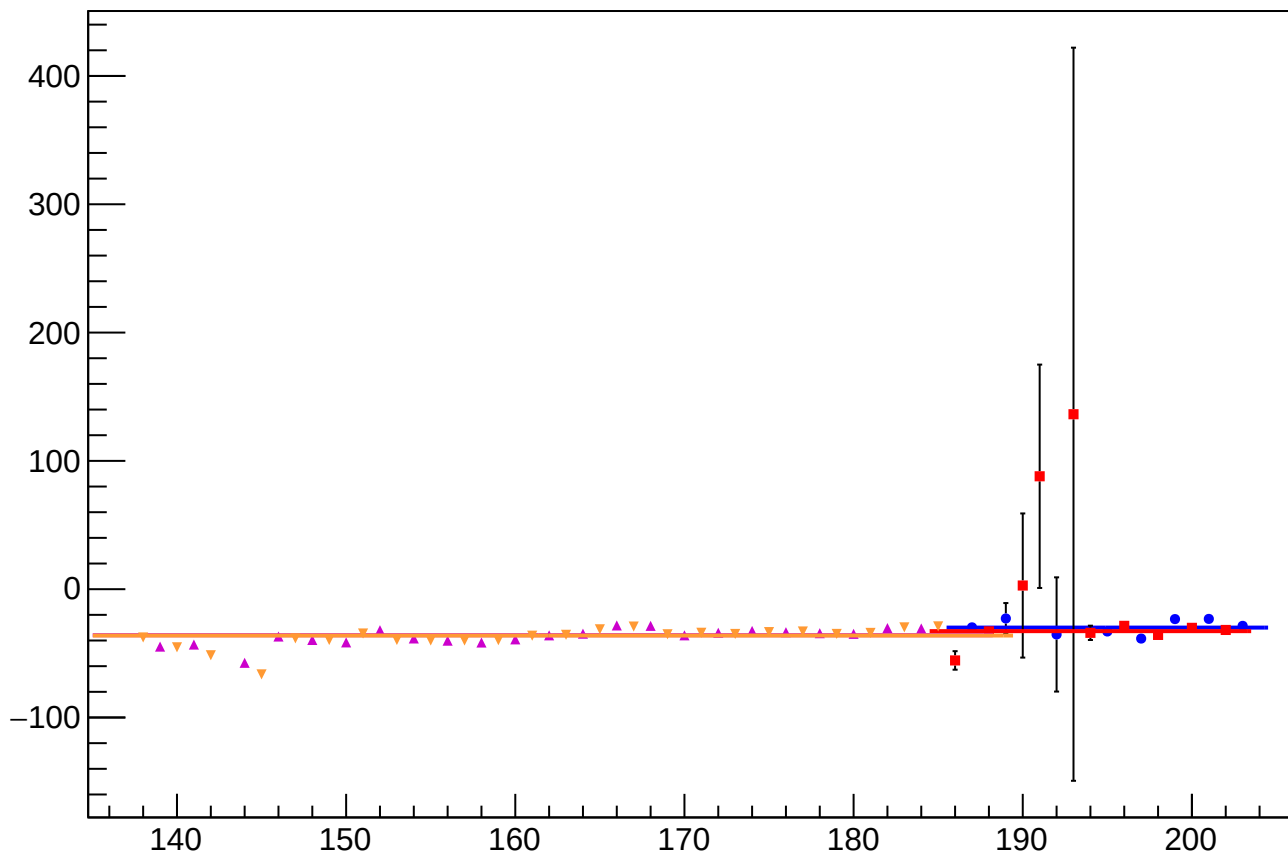
Right: -0.006+/-0.001 χ^2/NDF : 117.2/49

In: -0.008+/-0.001 χ^2/NDF :90.0/46

Out: -0.008+/-0.001 χ^2/NDF :102.8/49

All: -0.008+/-0.000 χ^2/NDF : 193.0/96

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.933 ± 1.037 χ^2/NDF : 20.8/7

Left Out: -36.110 ± 0.192 χ^2/NDF : 1118.4/23

Right Out: -32.702 ± 0.925 χ^2/NDF : 16.3/9

Left In: -35.869 ± 0.191 χ^2/NDF : 887.1/22

Left: -35.989 ± 0.135 χ^2/NDF : 2006.3/46

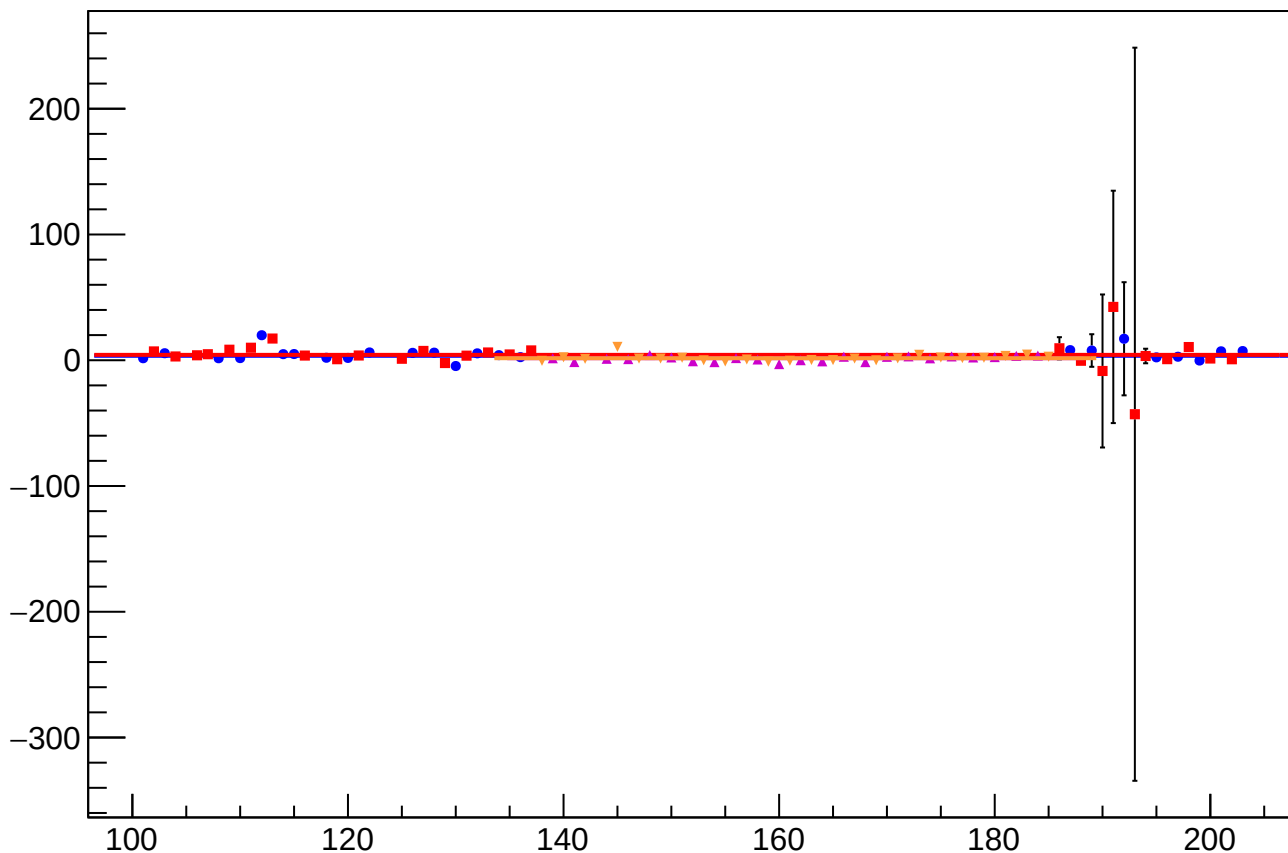
Right: -31.476 ± 0.690 χ^2/NDF : 41.1/17

In: -35.675 ± 0.188 χ^2/NDF : 939.6/30

Out: -35.969 ± 0.188 χ^2/NDF : 1147.7/33

All: -35.822 ± 0.133 χ^2/NDF : 2088.5/64

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.557 $\pm$ 0.214 χ^2 /NDF: 452.9/23

Left Out: 1.632 $\pm$ 0.148 χ^2 /NDF:166.7/23

Right Out: 4.277 $\pm$ 0.222 χ^2 /NDF: 364.2/26

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

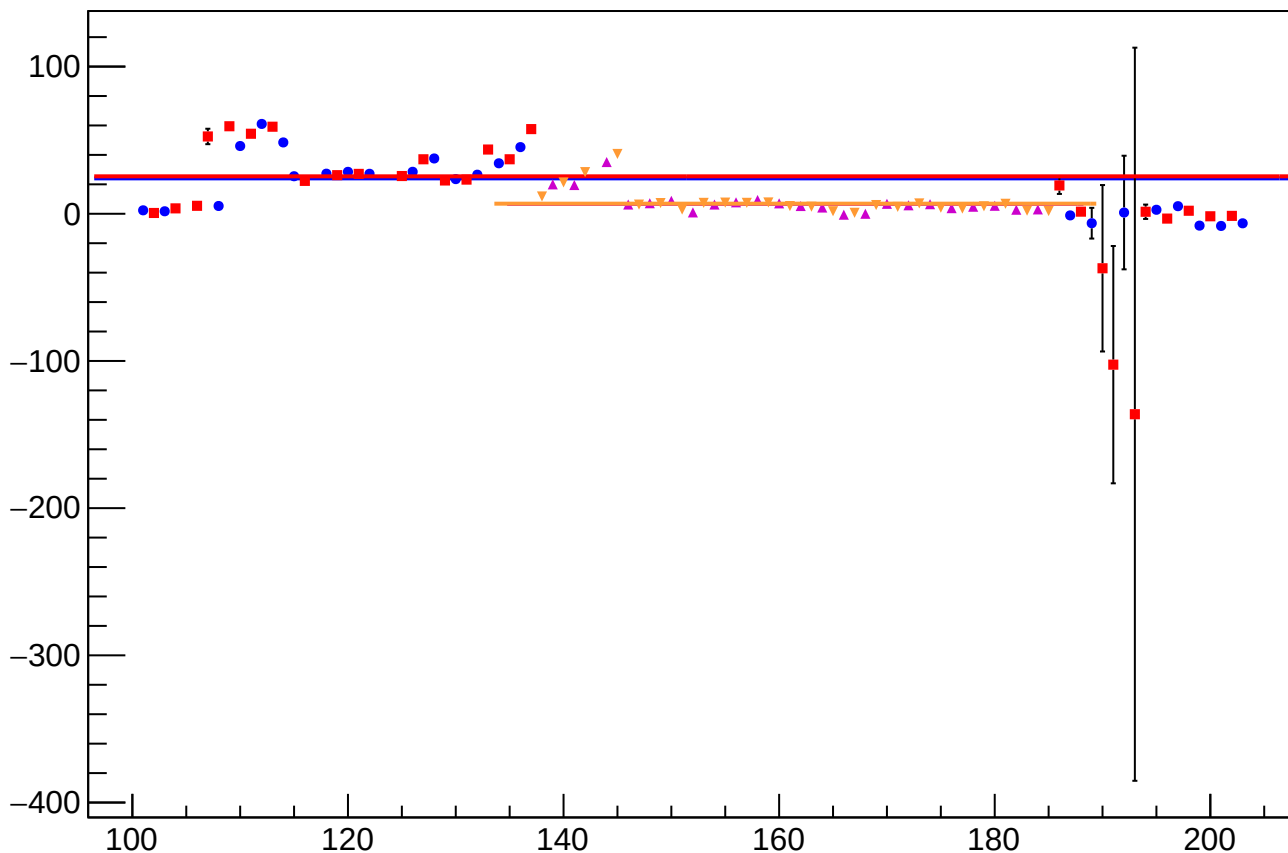
Right: 3.905 $\pm$ 0.154 χ^2 /NDF: 822.5/50

In: 2.269 $\pm$ 0.122 χ^2 /NDF:670.5/46

Out: 2.445 $\pm$ 0.123 χ^2 /NDF:629.4/50

All: 2.357 $\pm$ 0.087 χ^2 /NDF: 1300.9/97

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 24.054 $\pm$ 0.378 χ^2 /NDF: 2505.3/23

Left Out: 6.855 $\pm$ 0.191 χ^2 /NDF:1298.7/23

Right Out: 25.438 $\pm$ 0.371 χ^2 /NDF: 2983.1/26

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

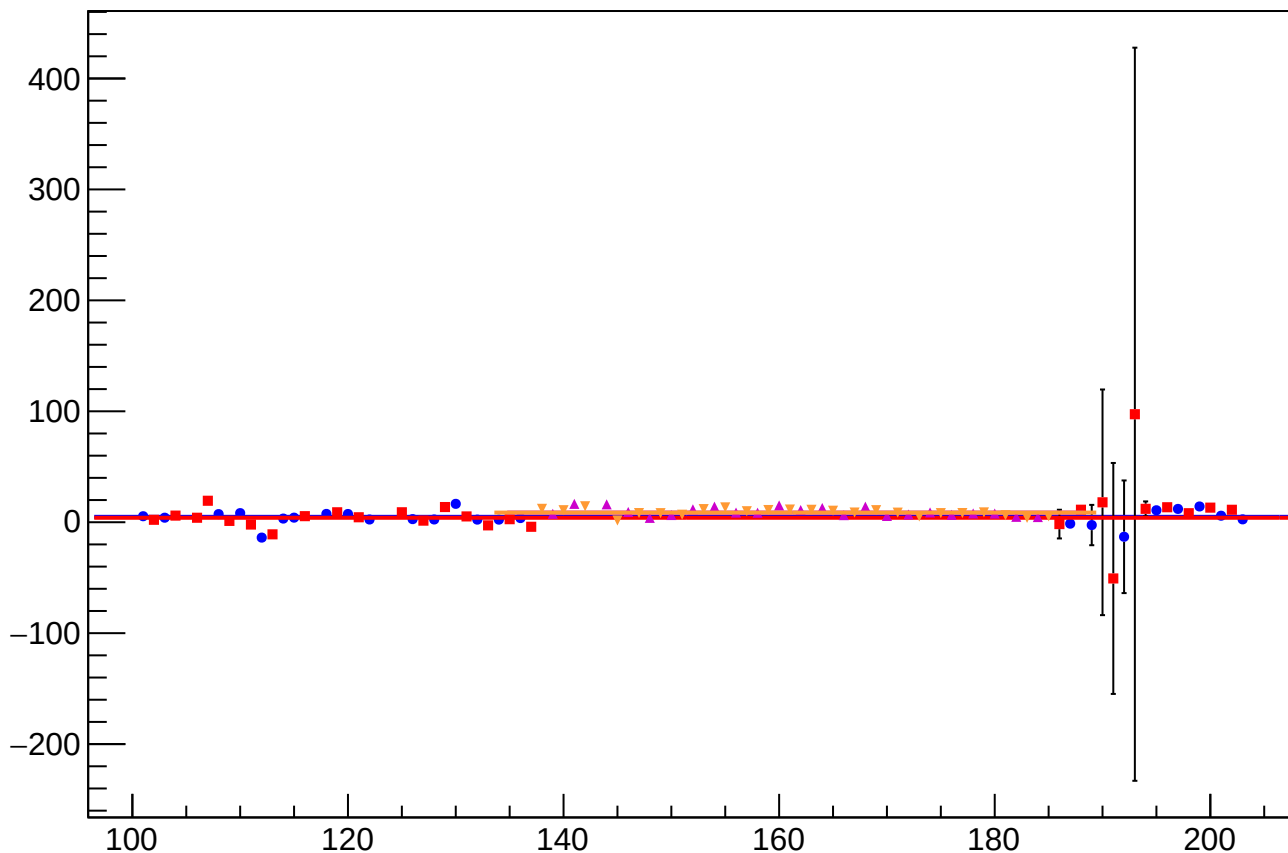
Right: 24.761 $\pm$ 0.265 χ^2 /NDF: 5495.3/50

In: 10.140 $\pm$ 0.170 χ^2 /NDF:5275.6/46

Out: 10.768 $\pm$ 0.170 χ^2 /NDF:6267.6/50

All: 10.454 $\pm$ 0.120 χ^2 /NDF: 11550.0/97

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.866 $\pm$ 0.248 χ^2 /NDF: 569.6/23

Left Out: 8.697 $\pm$ 0.169 χ^2 /NDF:241.1/23

Right Out: 4.023 $\pm$ 0.255 χ^2 /NDF: 592.0/26

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

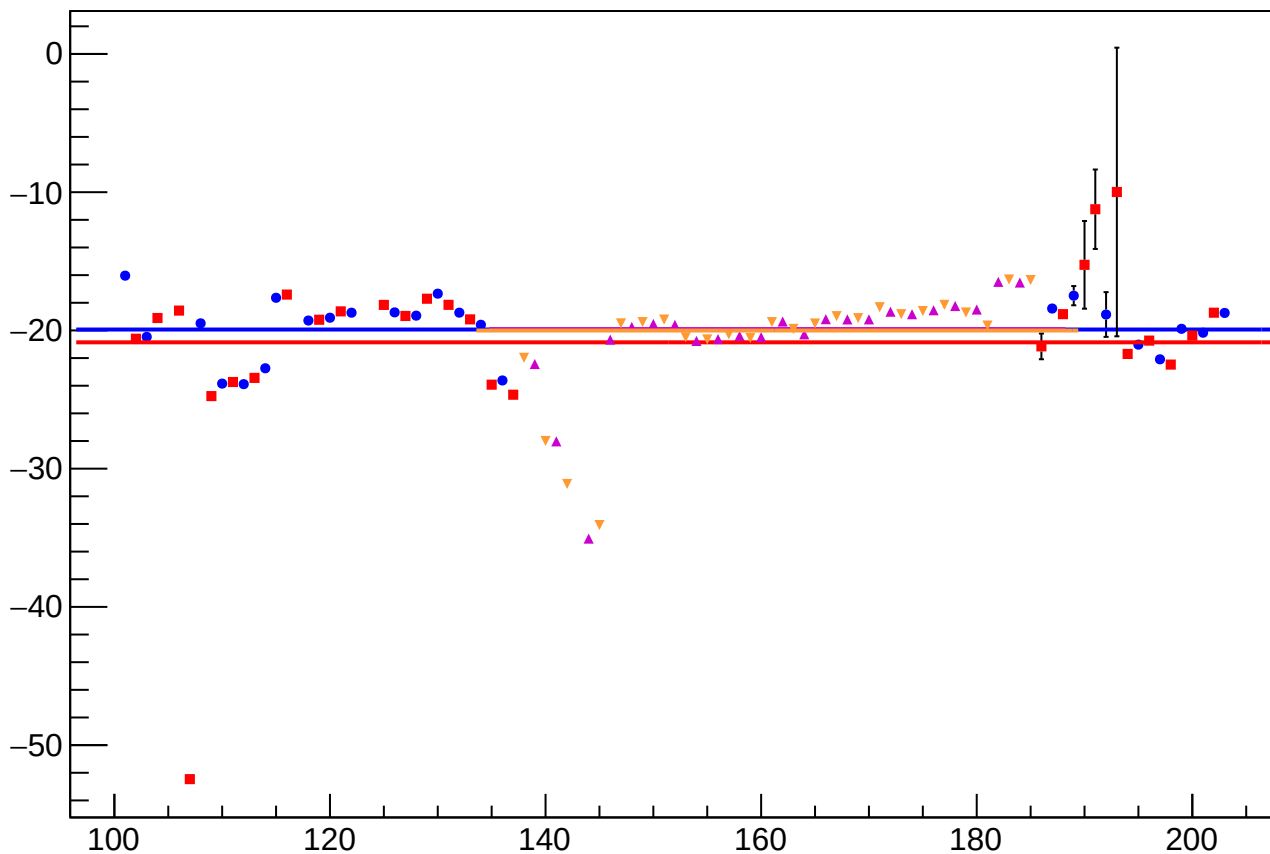
Right: 4.457 $\pm$ 0.178 χ^2 /NDF: 1167.3/50

In: 7.449 $\pm$ 0.140 χ^2 /NDF:1166.9/46

Out: 7.274 $\pm$ 0.141 χ^2 /NDF:1066.1/50

All: 7.362 $\pm$ 0.099 χ^2 /NDF: 2233.8/97

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.934 $\pm$ 0.015 χ^2 /NDF: 26633.1/23

Left Out: -20.007 $\pm$ 0.008 χ^2 /NDF: 171647.2/23

Right Out: -20.861 $\pm$ 0.015 χ^2 /NDF: 93556.7/26

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

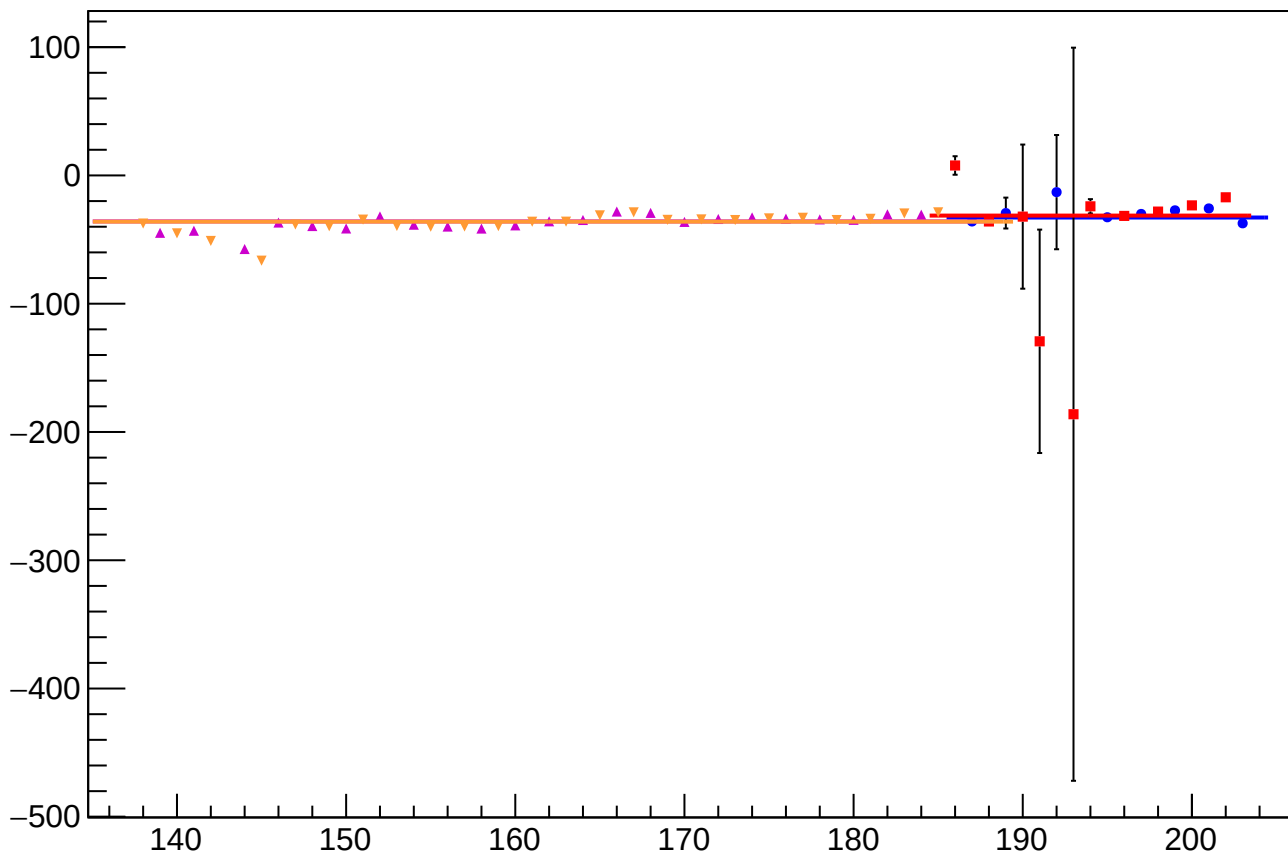
Right: -20.393 $\pm$ 0.011 χ^2 /NDF: 122108.1/50

In: -19.917 $\pm$ 0.007 χ^2 /NDF: 172122.1/46

Out: -20.191 $\pm$ 0.007 χ^2 /NDF: 267732.6/50

All: -20.053 $\pm$ 0.005 χ^2 /NDF: 440632.9/97

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected

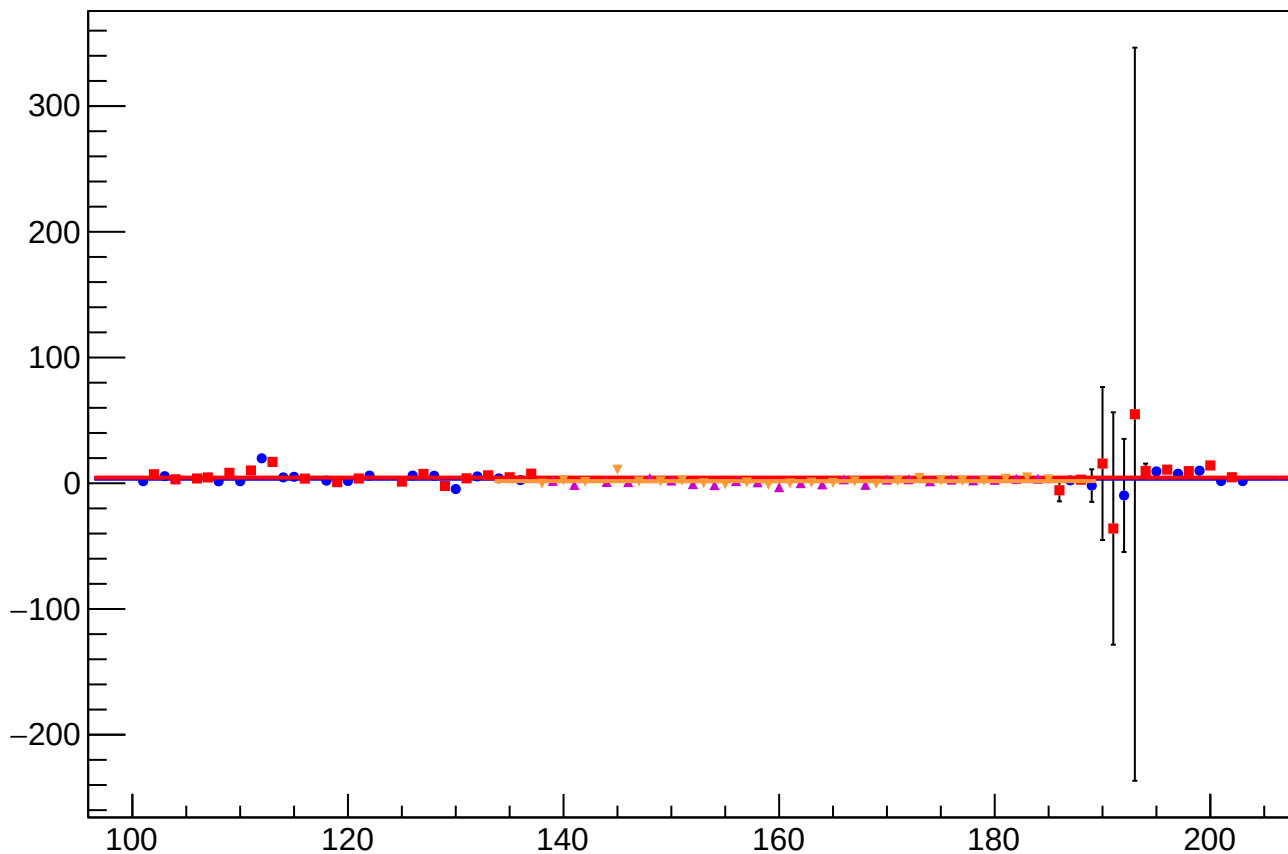


Right In: -32.814 ± 1.041 $\chi^2/\text{NDF}: 15.2/7$
 Left Out: -36.019 ± 0.192 $\chi^2/\text{NDF}: 1125.4/23$
 Right Out: -31.313 ± 0.927 $\chi^2/\text{NDF}: 73.2/9$
 Left In: -35.856 ± 0.191 $\chi^2/\text{NDF}: 875.9/22$

Left: -35.937 ± 0.135 $\chi^2/\text{NDF}: 2001.6/46$
 Right: -31.978 ± 0.692 $\chi^2/\text{NDF}: 89.6/17$
 In: -35.757 ± 0.187 $\chi^2/\text{NDF}: 899.3/30$
 Out: -35.826 ± 0.188 $\chi^2/\text{NDF}: 1223.3/33$

All: -35.791 ± 0.133 $\chi^2/\text{NDF}: 2122.7/64$

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.587 $\pm$ 0.214 χ^2 /NDF: 453.4/23

Left Out: 1.721 $\pm$ 0.148 χ^2 /NDF: 168.3/23

Right Out: 4.503 $\pm$ 0.222 χ^2 /NDF: 361.1/26

Left In: 1.712 $\pm$ 0.149 χ^2 /NDF: 164.1/22

Left: 1.717 $\pm$ 0.105 χ^2 /NDF: 332.4/46

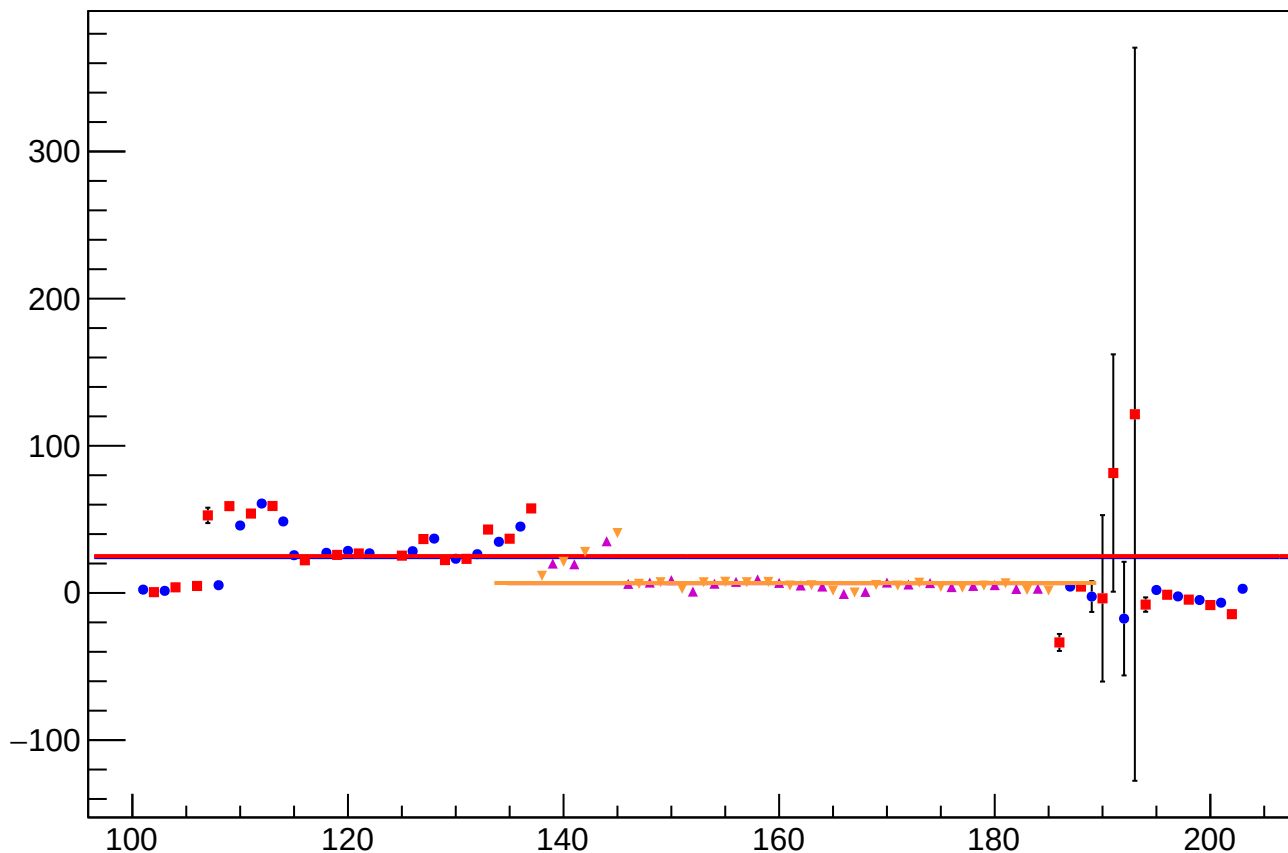
Right: 4.030 $\pm$ 0.154 χ^2 /NDF: 823.4/50

In: 2.324 $\pm$ 0.122 χ^2 /NDF: 669.2/46

Out: 2.576 $\pm$ 0.123 χ^2 /NDF: 638.5/50

All: 2.450 $\pm$ 0.087 χ^2 /NDF: 1309.8/97

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 24.336 $\pm$ 0.378 χ^2 /NDF: 2341.6/23

Left Out: 6.767 $\pm$ 0.191 χ^2 /NDF:1301.2/23

Right Out: 25.065 $\pm$ 0.371 χ^2 /NDF: 3098.8/26

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

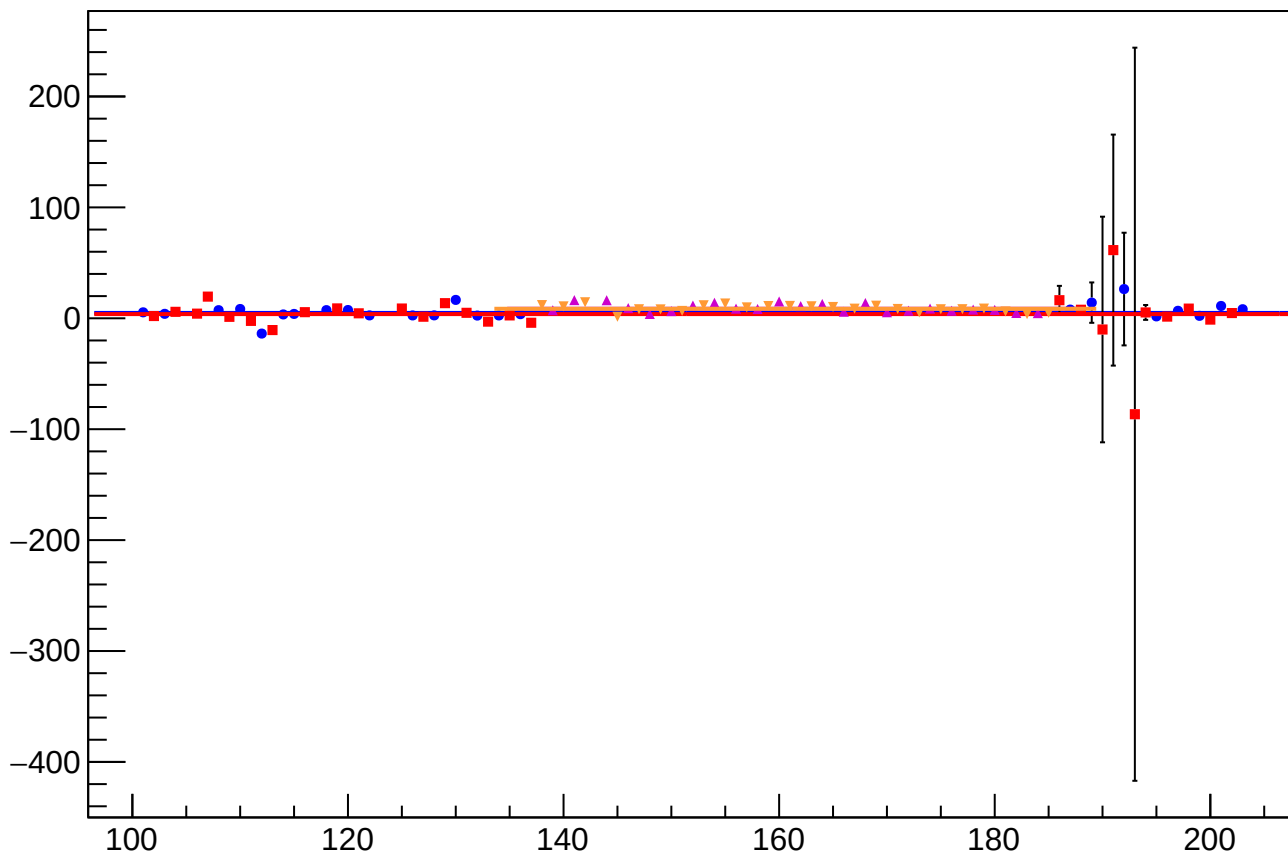
Right: 24.708 $\pm$ 0.265 χ^2 /NDF: 5442.4/50

In: 10.190 $\pm$ 0.170 χ^2 /NDF:5161.7/46

Out: 10.616 $\pm$ 0.170 χ^2 /NDF:6325.5/50

All: 10.403 $\pm$ 0.120 χ^2 /NDF: 11490.3/97

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.830 $\pm$ 0.248 χ^2 /NDF: 555.7/23

Left Out: 8.588 $\pm$ 0.169 χ^2 /NDF:245.6/23

Right Out: 3.778 $\pm$ 0.255 χ^2 /NDF: 569.9/26

Left In: 8.573 $\pm$ 0.170 χ^2 /NDF:443.4/22

Left: 8.581 $\pm$ 0.120 χ^2 /NDF: 689.0/46

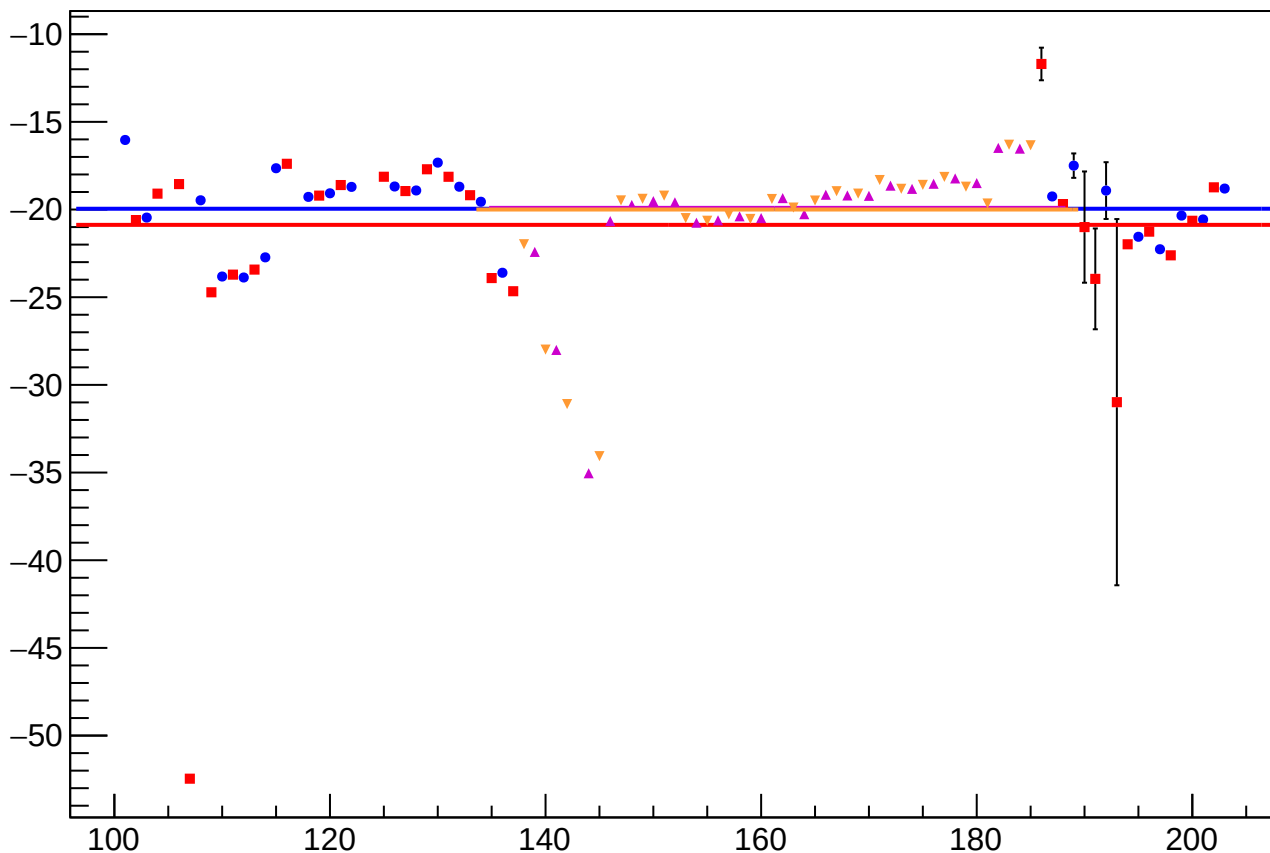
Right: 4.320 $\pm$ 0.178 χ^2 /NDF: 1134.3/50

In: 7.379 $\pm$ 0.140 χ^2 /NDF:1154.4/46

Out: 7.124 $\pm$ 0.141 χ^2 /NDF:1062.5/50

All: 7.252 $\pm$ 0.099 χ^2 /NDF: 2218.6/97

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.955 $\pm$ 0.015 χ^2 /NDF: 26797.0/23

Left Out: -19.999 $\pm$ 0.008 χ^2 /NDF: 171834.0/23

Right Out: -20.874 $\pm$ 0.015 χ^2 /NDF: 93653.1/26

Left In: -19.905 $\pm$ 0.008 χ^2 /NDF: 145346.7/22

Left: -19.951 $\pm$ 0.006 χ^2 /NDF: 317253.3/46

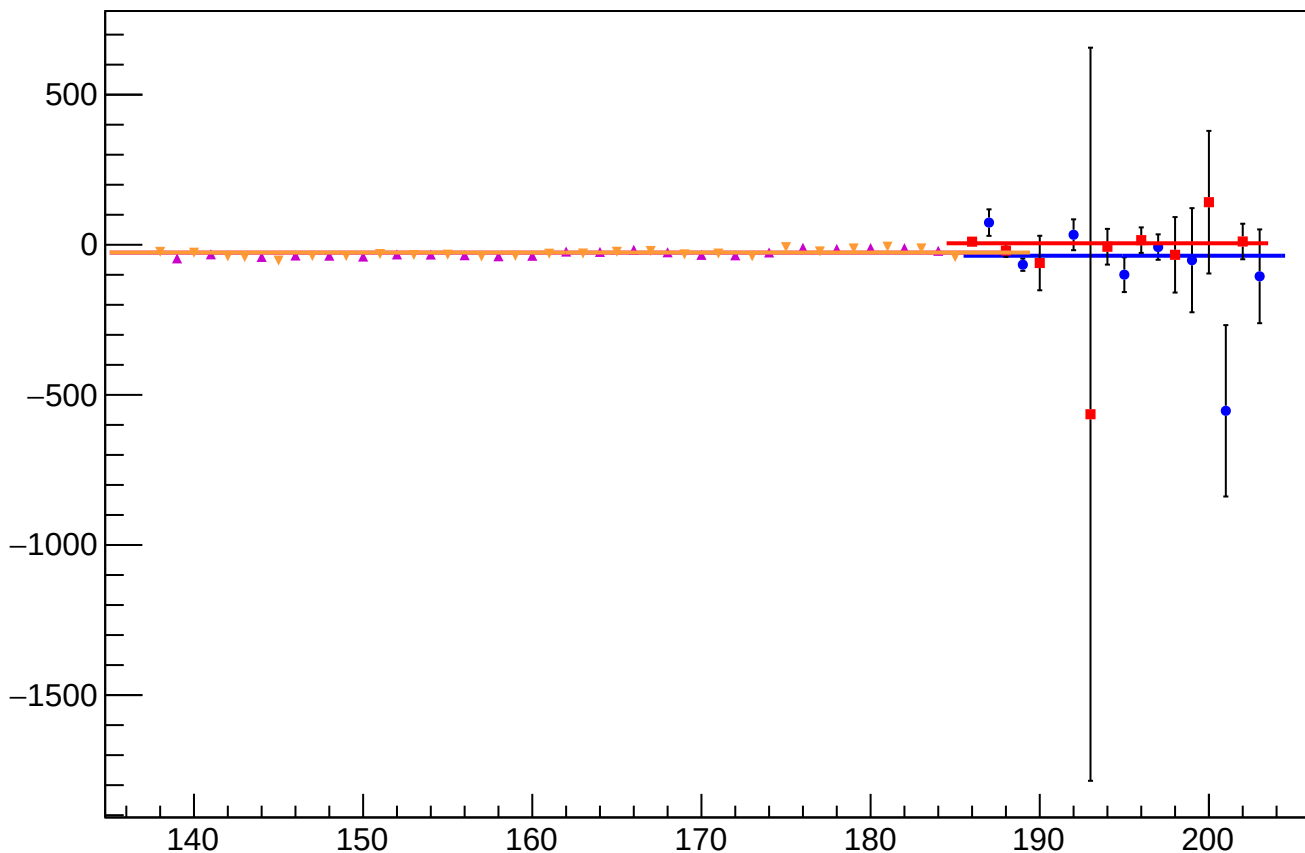
Right: -20.410 $\pm$ 0.011 χ^2 /NDF: 122338.9/50

In: -19.915 $\pm$ 0.007 χ^2 /NDF: 172152.7/46

Out: -20.188 $\pm$ 0.007 χ^2 /NDF: 268142.7/50

All: -20.050 $\pm$ 0.005 χ^2 /NDF: 441064.4/97

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected

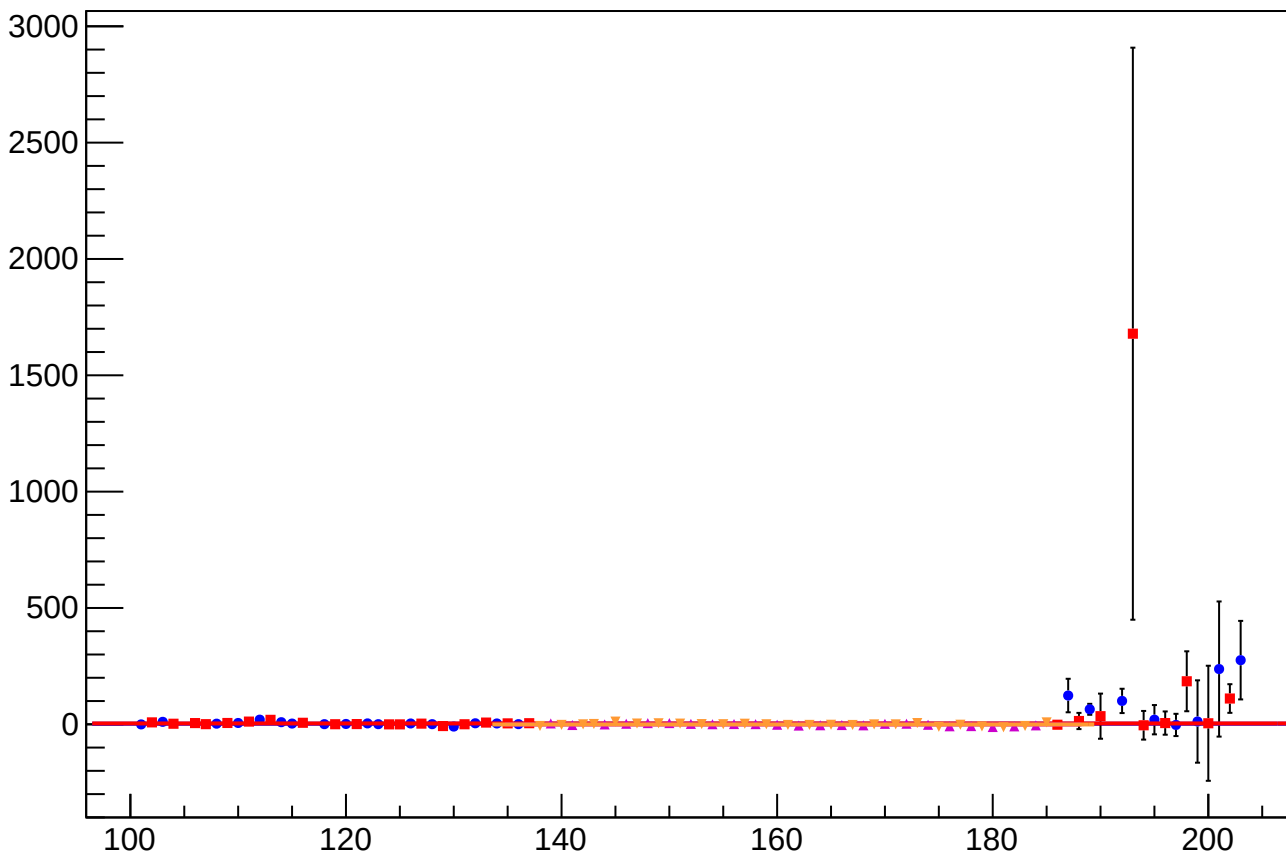


Right In: -36.486 ± 15.429 $\chi^2/\text{NDF}: 15.3/7$
 Left Out: -25.804 ± 0.192 $\chi^2/\text{NDF}: 4127.8/24$
 Right Out: 5.013 ± 8.212 $\chi^2/\text{NDF}: 3.0/8$
 Left In: -26.204 ± 0.194 $\chi^2/\text{NDF}: 3377.8/22$

Left: -26.002 ± 0.137 $\chi^2/\text{NDF}: 7507.7/47$
 Right: -4.148 ± 7.249 $\chi^2/\text{NDF}: 23.9/16$
 In: -26.205 ± 0.194 $\chi^2/\text{NDF}: 3393.5/30$
 Out: -25.787 ± 0.192 $\chi^2/\text{NDF}: 4144.8/33$

All: -25.994 ± 0.137 $\chi^2/\text{NDF}: 7540.7/64$

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.462 $\pm$ 0.311 χ^2 /NDF: 312.0/24

Left Out: -0.681 $\pm$ 0.147 χ^2 /NDF:1314.3/24

Right Out: 3.727 $\pm$ 0.327 χ^2 /NDF: 276.4/26

Left In: -0.842 $\pm$ 0.150 χ^2 /NDF:1071.6/22

Left: -0.760 $\pm$ 0.105 χ^2 /NDF: 2386.5/47

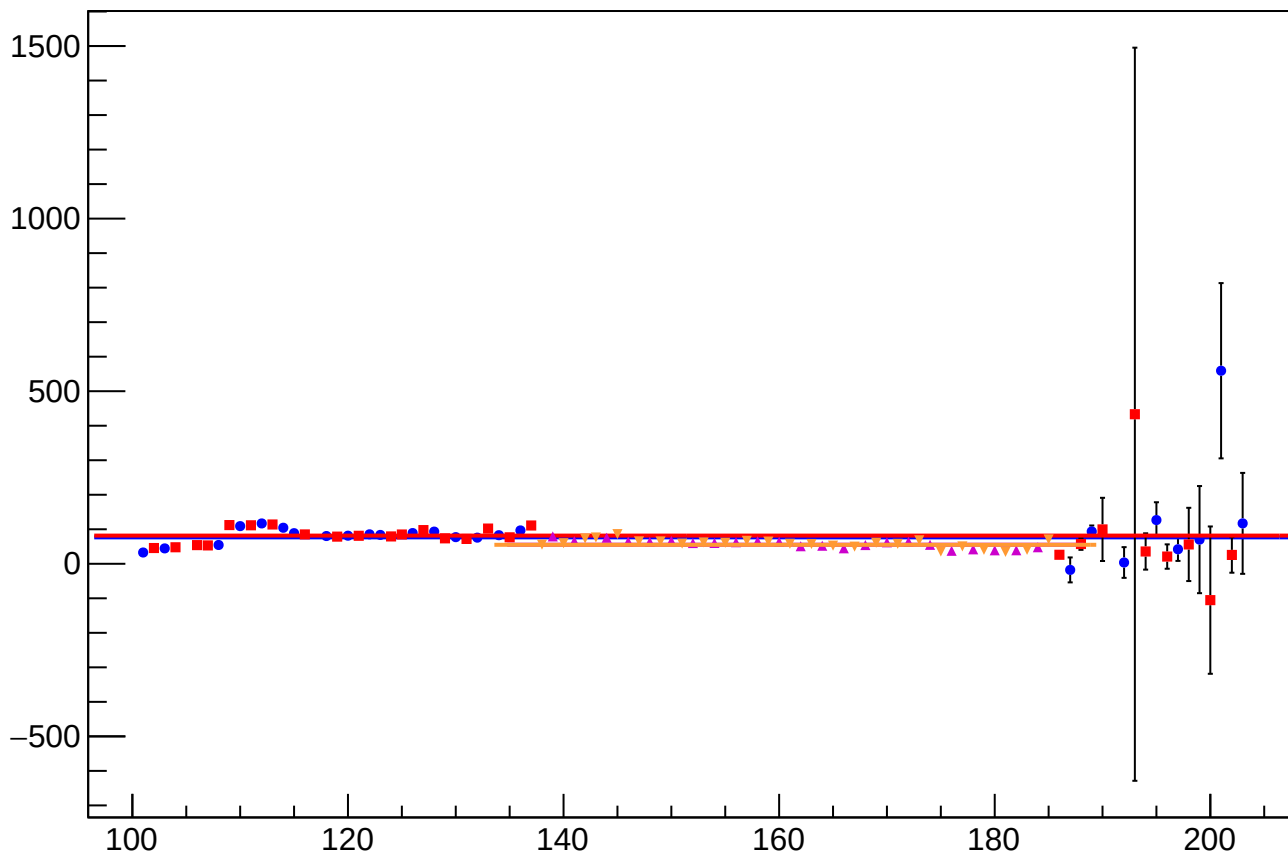
Right: 3.063 $\pm$ 0.225 χ^2 /NDF: 596.3/51

In: -0.218 $\pm$ 0.135 χ^2 /NDF:1475.2/47

Out: 0.058 $\pm$ 0.134 χ^2 /NDF:1742.1/51

All: -0.079 $\pm$ 0.095 χ^2 /NDF: 3219.4/99

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.555 $\pm$ 0.573 χ^2 /NDF: 2269.7/24

Left Out: 55.000 $\pm$ 0.192 χ^2 /NDF: 4524.8/24

Right Out: 81.675 $\pm$ 0.590 χ^2 /NDF: 1609.9/26

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

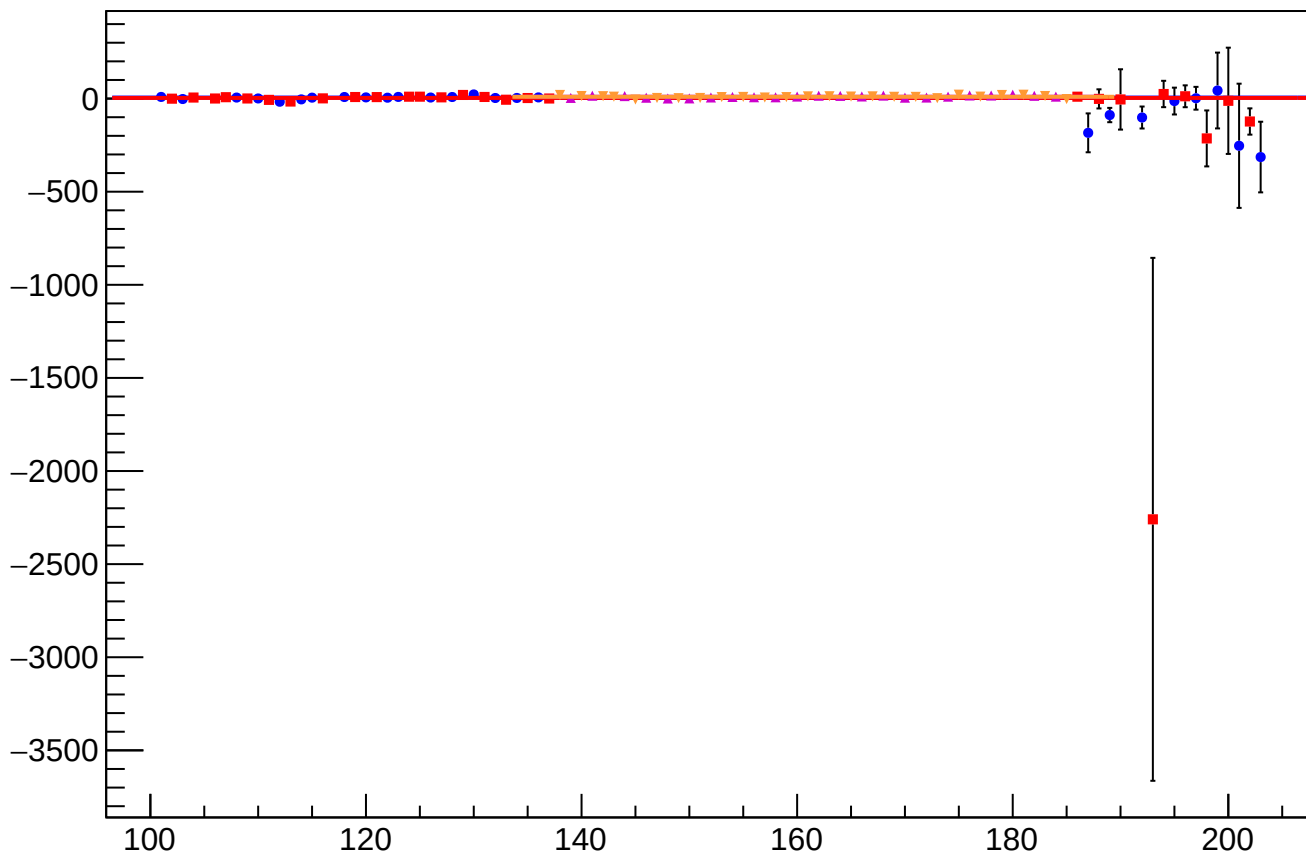
Right: 79.037 $\pm$ 0.411 χ^2 /NDF: 3918.3/51

In: 57.396 $\pm$ 0.183 χ^2 /NDF: 7340.4/47

Out: 57.547 $\pm$ 0.182 χ^2 /NDF: 7981.0/51

All: 57.472 $\pm$ 0.129 χ^2 /NDF: 15321.7/99

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.426+/-0.357 χ^2/NDF : 403.5/24

Left Out: 9.750+/-0.168 χ^2/NDF :1449.2/24

Right Out: 3.578+/-0.375 χ^2/NDF : 431.2/26

Left In: 9.775+/-0.171 χ^2/NDF :1165.6/22

Left: 9.762+/-0.120 χ^2/NDF : 2614.7/47

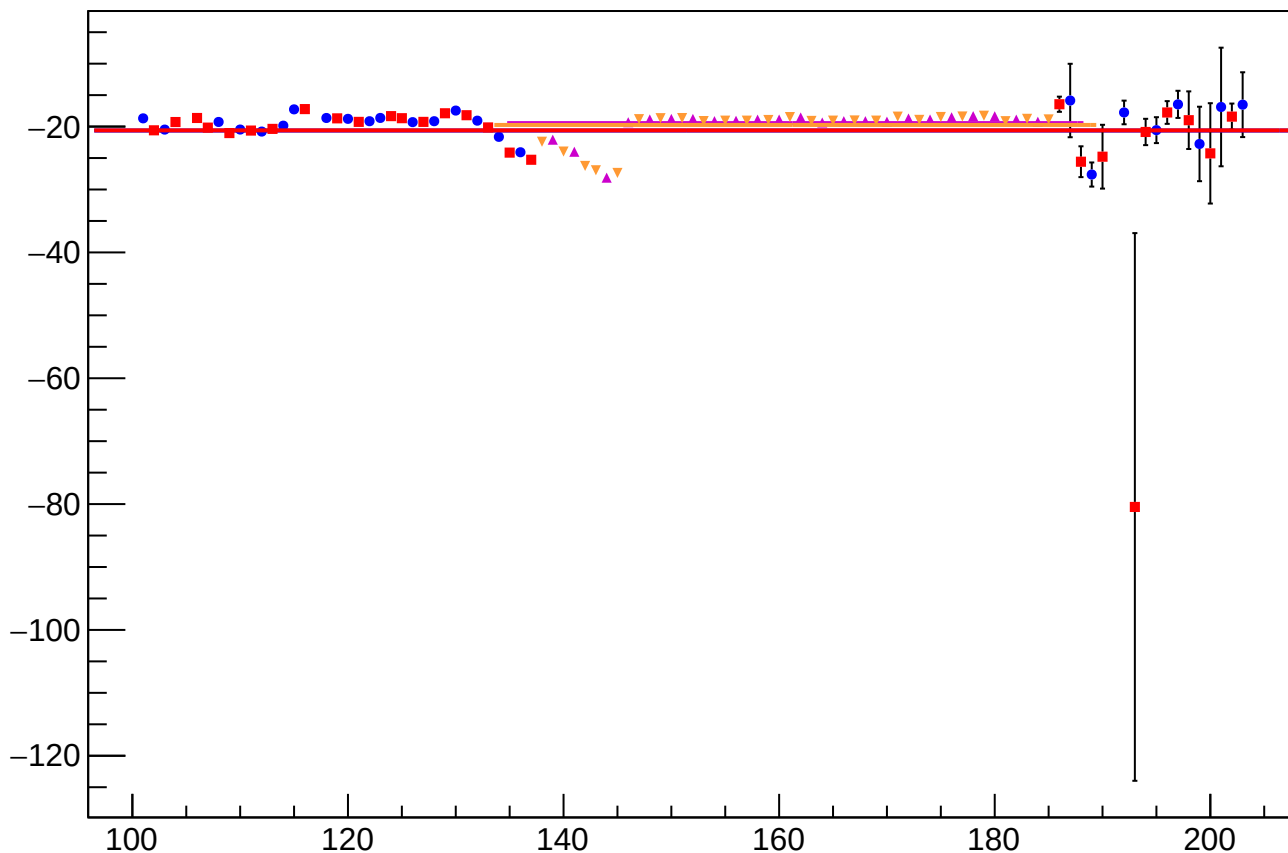
Right: 4.548+/-0.259 χ^2/NDF : 847.5/51

In: 8.962+/-0.154 χ^2/NDF :1689.6/47

Out: 8.718+/-0.153 χ^2/NDF :2105.6/51

All: 8.840+/-0.109 χ^2/NDF : 3796.4/99

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 $\pm$ 0.019 χ^2 /NDF: 12511.4/24

Left Out: -19.738 $\pm$ 0.008 χ^2 /NDF: 88495.2/24

Right Out: -20.601 $\pm$ 0.019 χ^2 /NDF: 11973.6/26

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

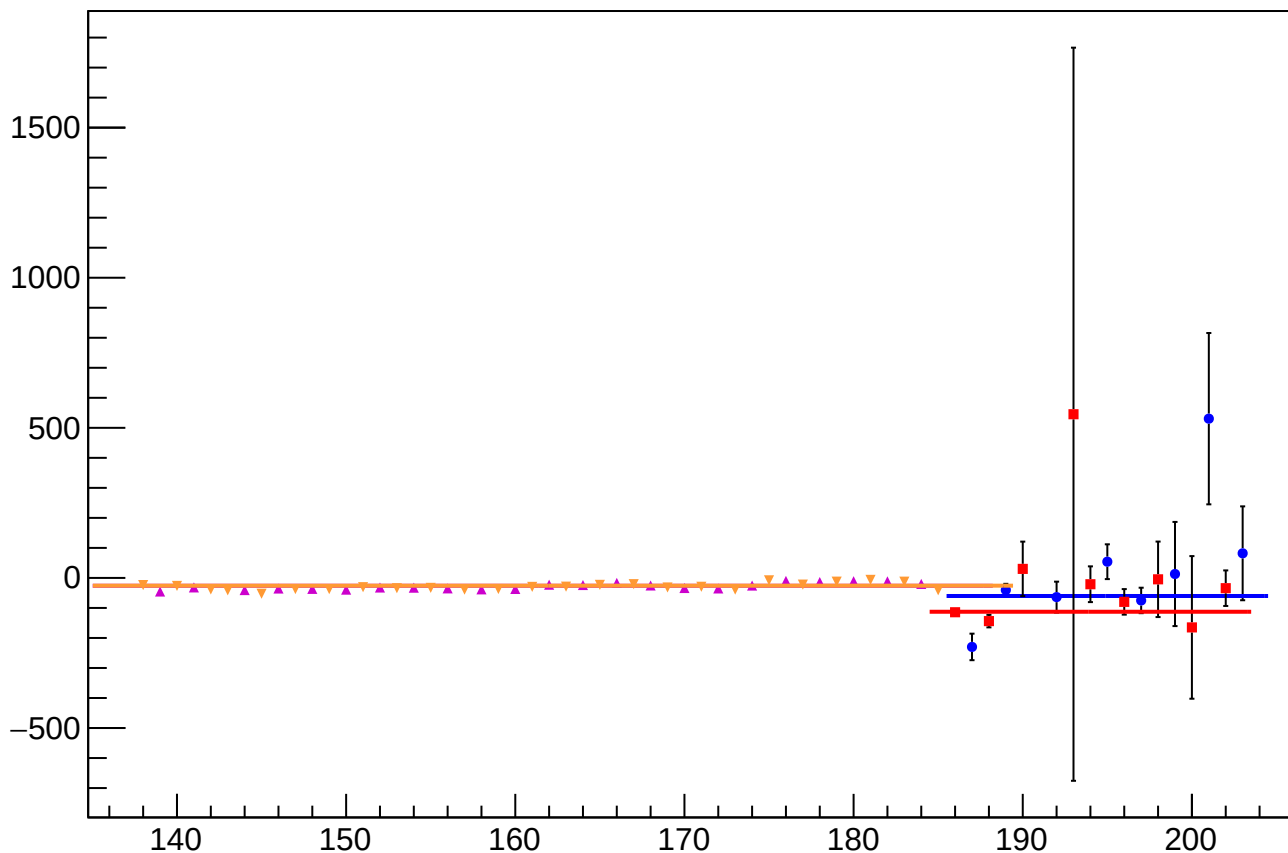
Right: -20.616 $\pm$ 0.014 χ^2 /NDF: 24486.1/51

In: -19.619 $\pm$ 0.007 χ^2 /NDF: 69771.5/47

Out: -19.860 $\pm$ 0.007 χ^2 /NDF: 102157.7/51

All: -19.740 $\pm$ 0.005 χ^2 /NDF: 172474.6/99

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -60.200 ± 15.440 χ^2/NDF : 25.0/7

Left Out: -25.814 ± 0.192 χ^2/NDF : 4094.6/24

Right Out: -112.689 ± 8.218 χ^2/NDF : 10.5/8

Left In: -26.200 ± 0.194 χ^2/NDF : 3344.6/22

Left: -26.005 ± 0.137 χ^2/NDF : 7441.2/47

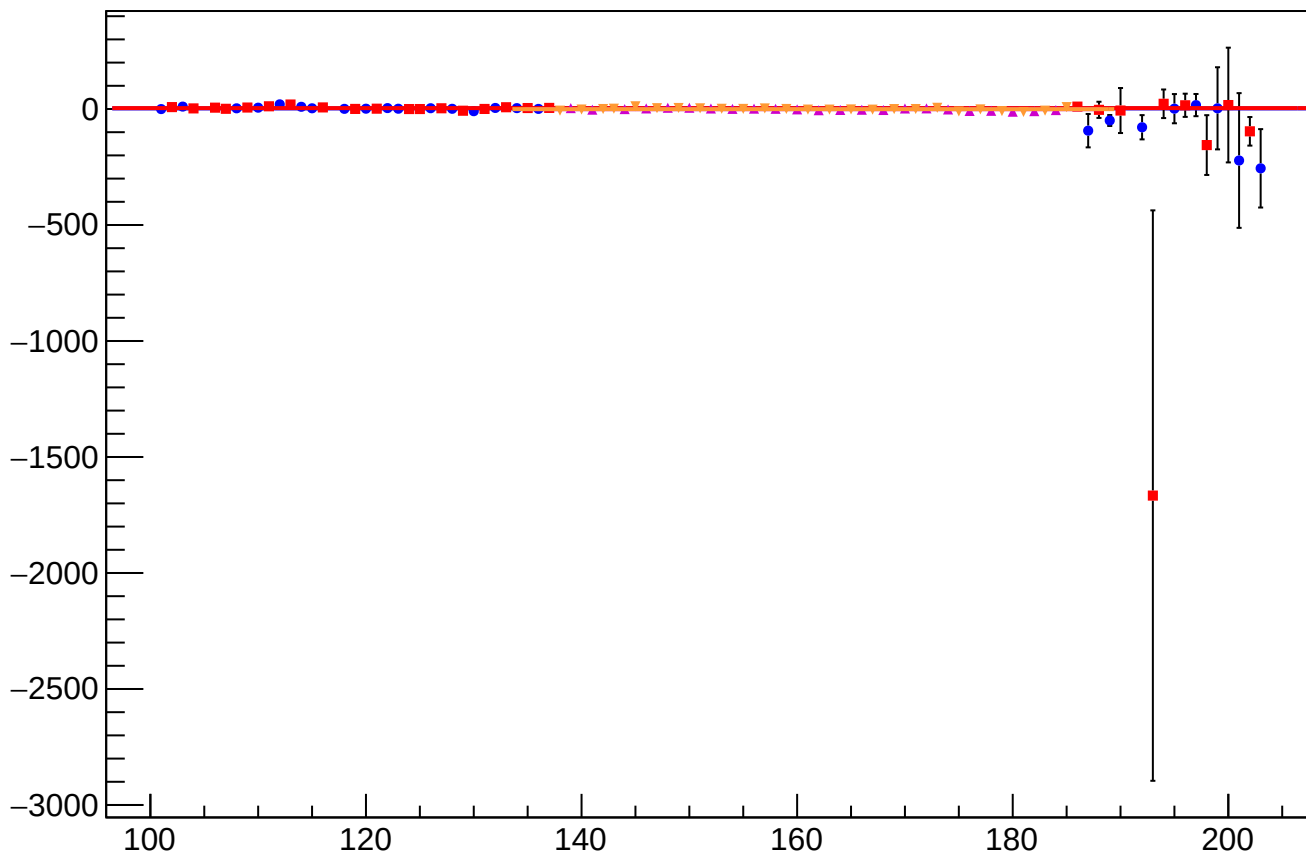
Right: -101.103 ± 7.254 χ^2/NDF : 44.5/16

In: -26.205 ± 0.194 χ^2/NDF : 3374.5/30

Out: -25.862 ± 0.192 χ^2/NDF : 4216.8/33

All: -26.032 ± 0.137 χ^2/NDF : 7592.9/64

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.433 ± 0.311 χ^2/NDF : 305.5/24

Left Out: -0.625 ± 0.147 χ^2/NDF : 1303.5/24

Right Out: 3.860 ± 0.327 χ^2/NDF : 275.4/26

Left In: -0.773 ± 0.150 χ^2/NDF : 1111.4/22

Left: -0.697 ± 0.105 χ^2/NDF : 2415.4/47

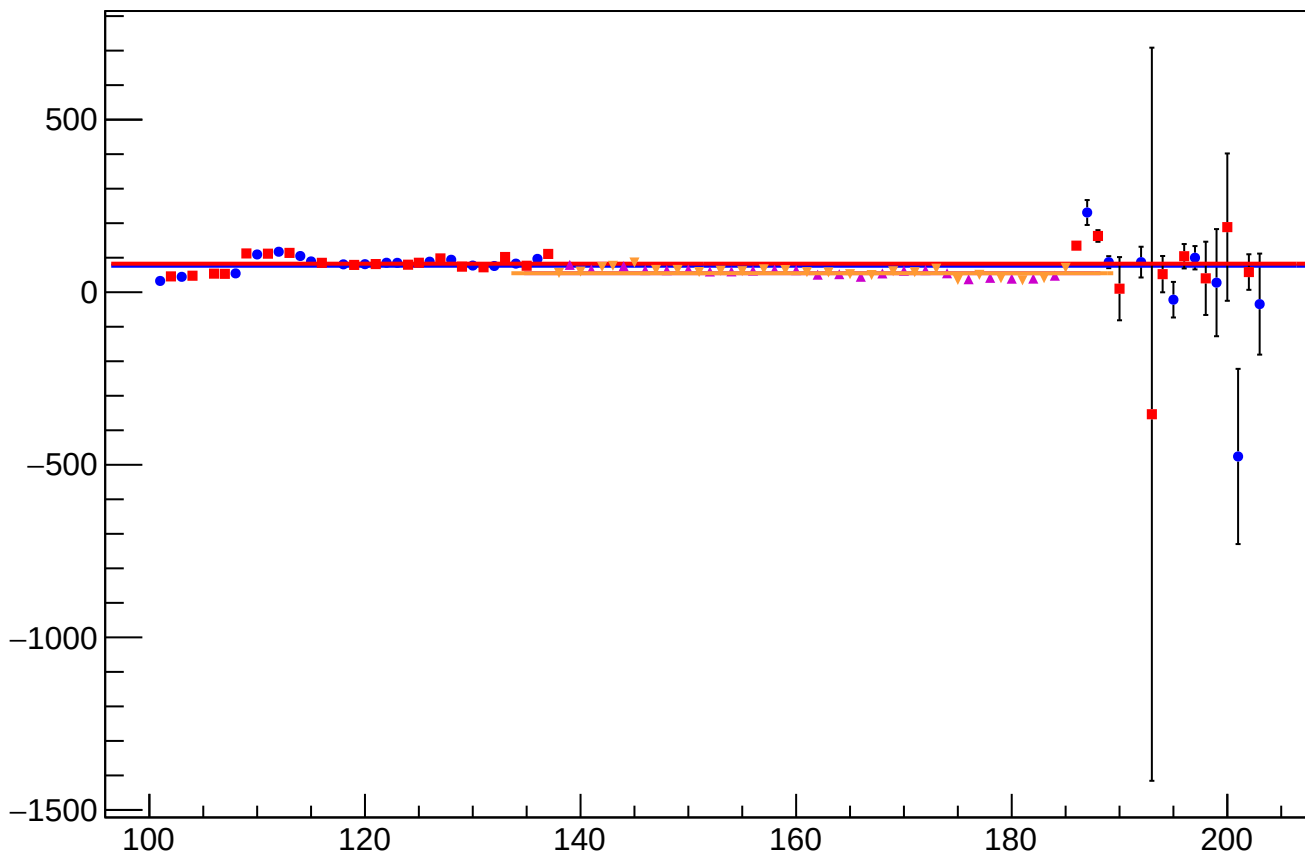
Right: 3.111 ± 0.225 χ^2/NDF : 590.8/51

In: -0.167 ± 0.135 χ^2/NDF : 1503.0/47

Out: 0.126 ± 0.134 χ^2/NDF : 1735.4/51

All: -0.019 ± 0.095 χ^2/NDF : 3240.8/99

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.728 ± 0.573 $\chi^2/\text{NDF}: 2293.3/24$

Left Out: 55.008 ± 0.192 $\chi^2/\text{NDF}: 4502.1/24$

Right Out: 82.666 ± 0.591 $\chi^2/\text{NDF}: 1622.6/26$

Left In: 55.252 ± 0.193 $\chi^2/\text{NDF}: 3786.2/22$

Left: 55.129 ± 0.136 $\chi^2/\text{NDF}: 8289.0/47$

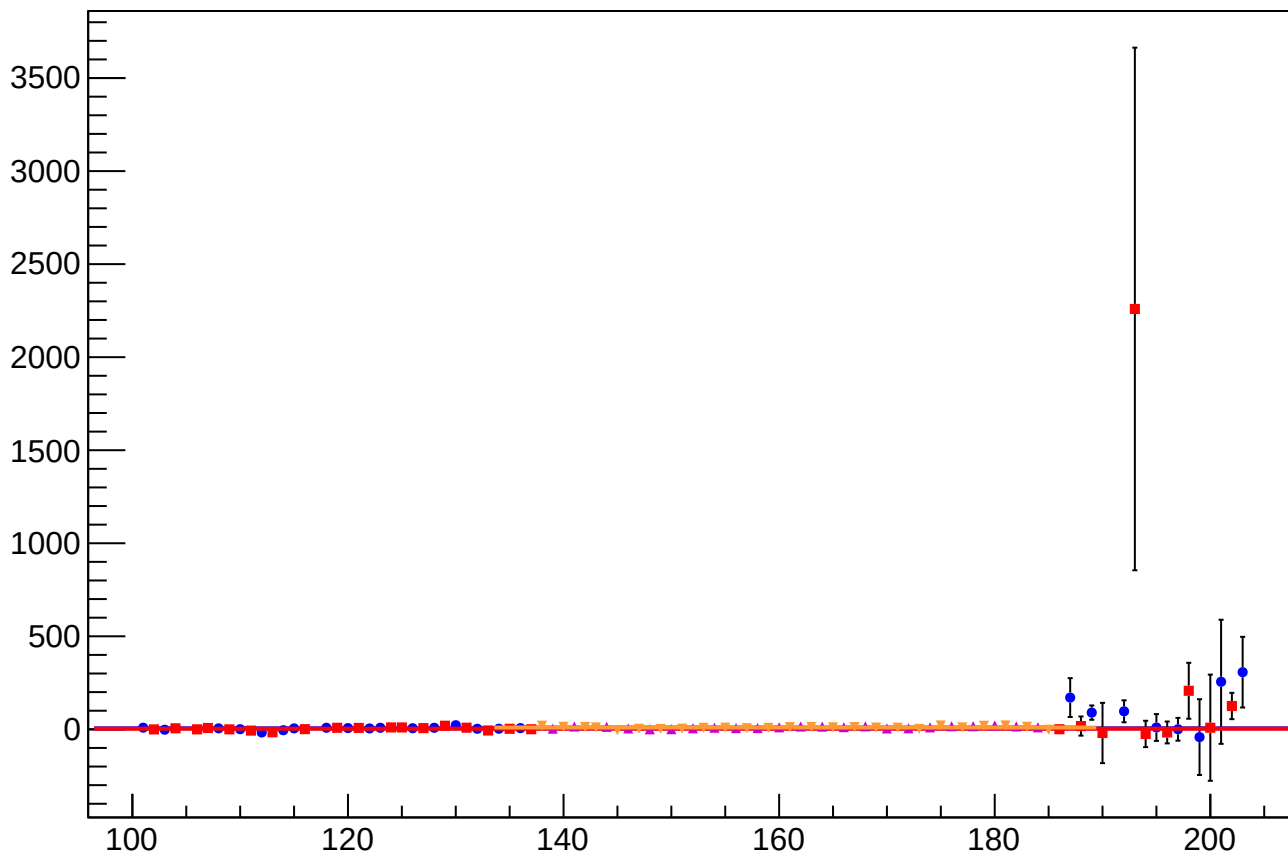
Right: 79.607 ± 0.411 $\chi^2/\text{NDF}: 3967.9/51$

In: 57.438 ± 0.183 $\chi^2/\text{NDF}: 7341.0/47$

Out: 57.649 ± 0.183 $\chi^2/\text{NDF}: 8107.2/51$

All: 57.544 ± 0.129 $\chi^2/\text{NDF}: 15448.8/99$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.453+/-0.357 χ^2/NDF : 398.8/24

Left Out: 9.691+/-0.168 χ^2/NDF :1440.3/24

Right Out: 3.427+/-0.376 χ^2/NDF : 430.7/26

Left In: 9.708+/-0.171 χ^2/NDF :1198.0/22

Left: 9.699+/-0.120 χ^2/NDF : 2638.3/47

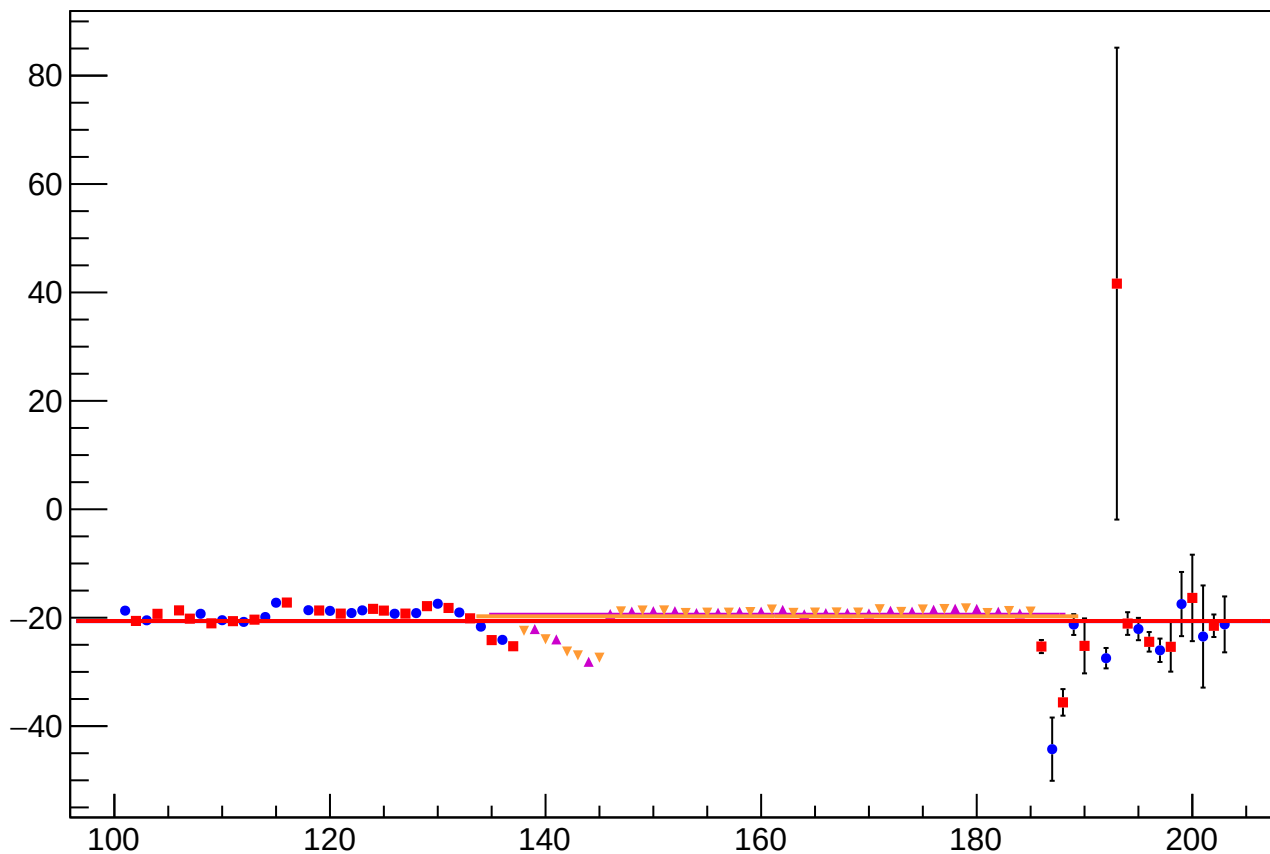
Right: 4.490+/-0.259 χ^2/NDF : 844.7/51

In: 8.913+/-0.155 χ^2/NDF :1712.0/47

Out: 8.644+/-0.154 χ^2/NDF :2102.6/51

All: 8.778+/-0.109 χ^2/NDF : 3816.2/99

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.633 ± 0.019 $\chi^2/\text{NDF}: 12567.6/24$

Left Out: -19.746 ± 0.008 $\chi^2/\text{NDF}: 88374.4/24$

Right Out: -20.608 ± 0.019 $\chi^2/\text{NDF}: 11962.2/26$

Left In: -19.457 ± 0.008 $\chi^2/\text{NDF}: 53995.4/22$

Left: -19.602 ± 0.006 $\chi^2/\text{NDF}: 143036.3/47$

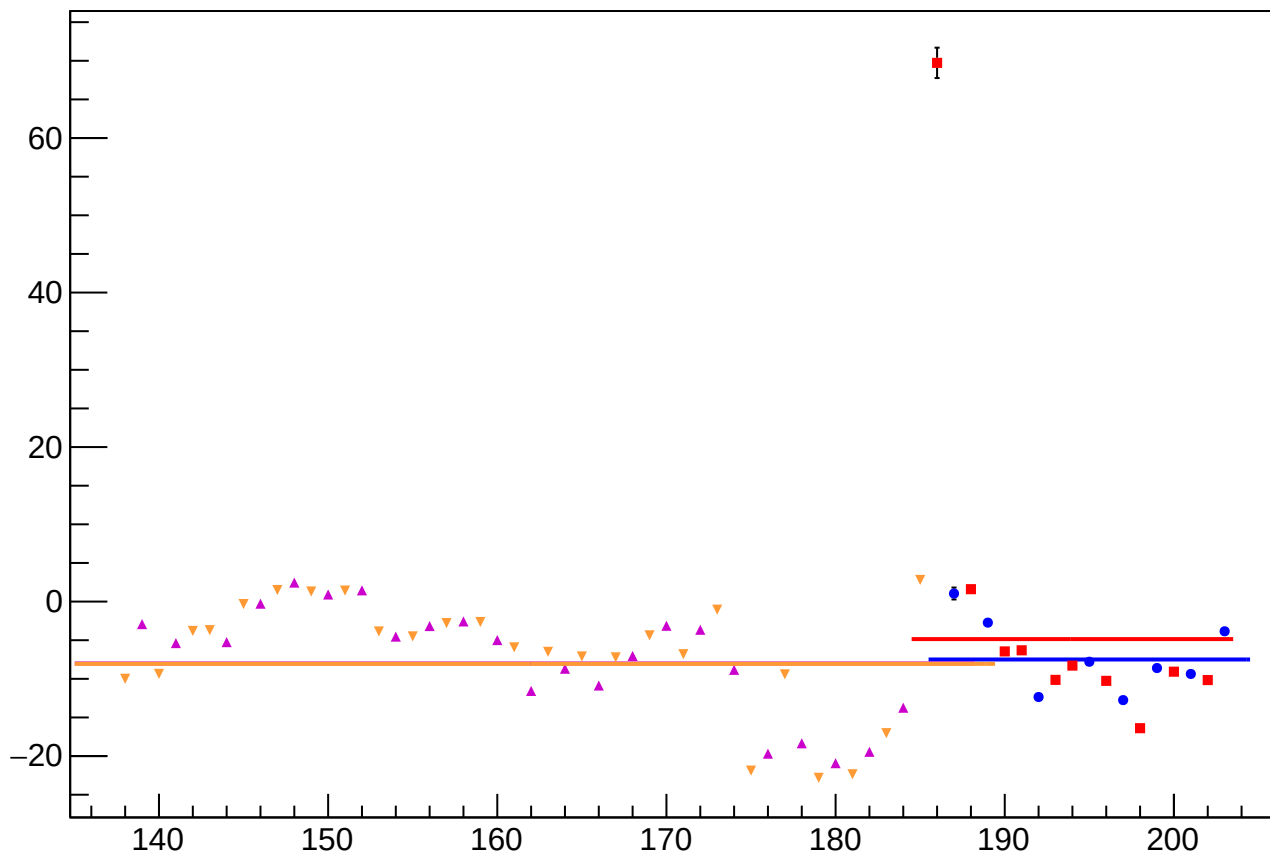
Right: -20.621 ± 0.014 $\chi^2/\text{NDF}: 24530.6/51$

In: -19.627 ± 0.007 $\chi^2/\text{NDF}: 69743.9/47$

Out: -19.868 ± 0.007 $\chi^2/\text{NDF}: 102020.8/51$

All: -19.748 ± 0.005 $\chi^2/\text{NDF}: 172306.3/99$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



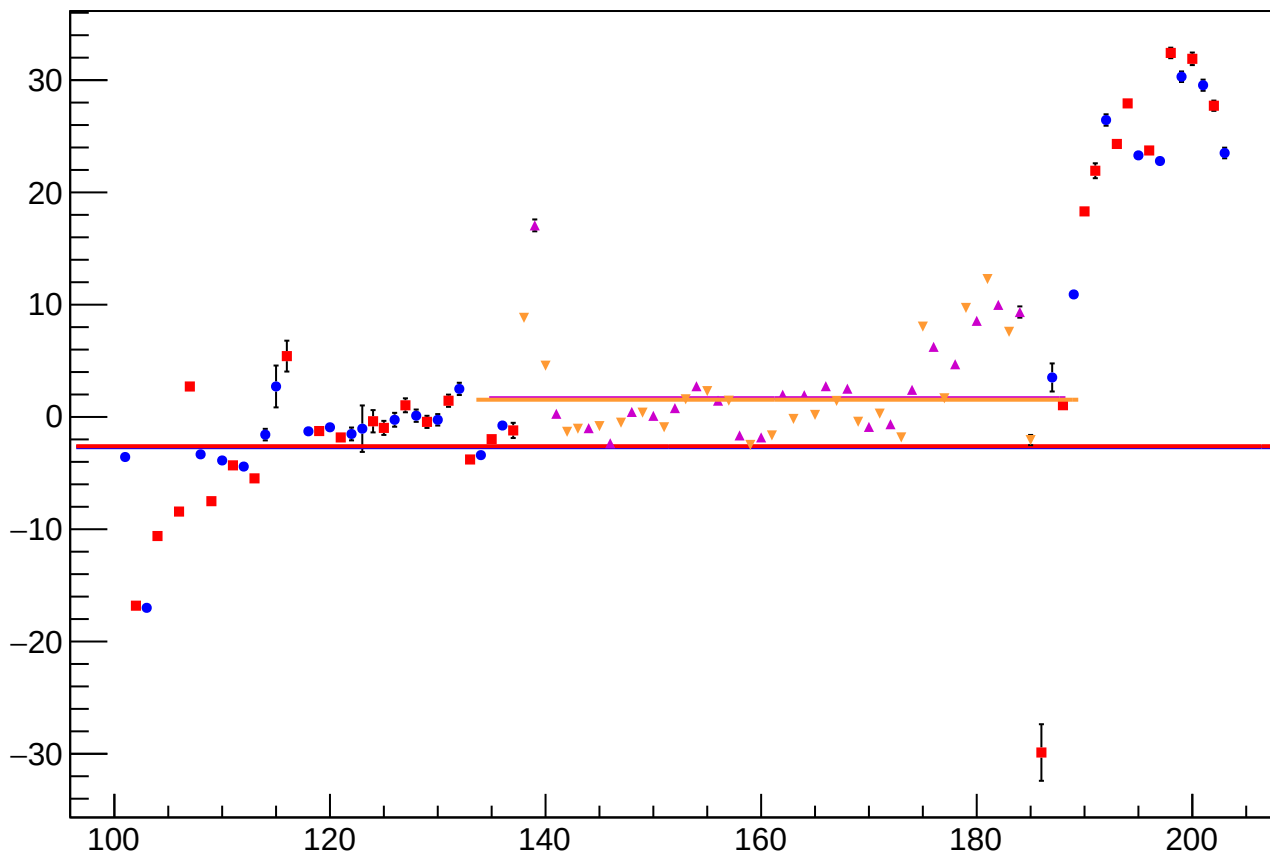
Right In: -7.496 ± 0.150 $\chi^2/\text{NDF}: 713.4/7$
 Left Out: -8.058 ± 0.070 $\chi^2/\text{NDF}: 12532.2/24$
 Right Out: -4.856 ± 0.117 $\chi^2/\text{NDF}: 3978.9/9$
 Left In: -8.010 ± 0.071 $\chi^2/\text{NDF}: 10631.2/22$

Left: -8.034 ± 0.050 $\chi^2/\text{NDF}: 23163.6/47$
 Right: -5.855 ± 0.092 $\chi^2/\text{NDF}: 4884.1/17$

In: -7.915 ± 0.064 $\chi^2/\text{NDF}: 11354.1/30$
 Out: -7.209 ± 0.060 $\chi^2/\text{NDF}: 17059.0/34$

All: -7.539 ± 0.044 $\chi^2/\text{NDF}: 28477.0/65$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.692 ± 0.052 χ^2/NDF : 36421.2/24

Left Out: 1.535 ± 0.055 χ^2/NDF : 4816.7/24

Right Out: -2.604 ± 0.055 χ^2/NDF : 48337.3/27

Left In: 1.673 ± 0.056 χ^2/NDF : 4106.3/22

Left: 1.602 ± 0.039 χ^2/NDF : 8926.1/47

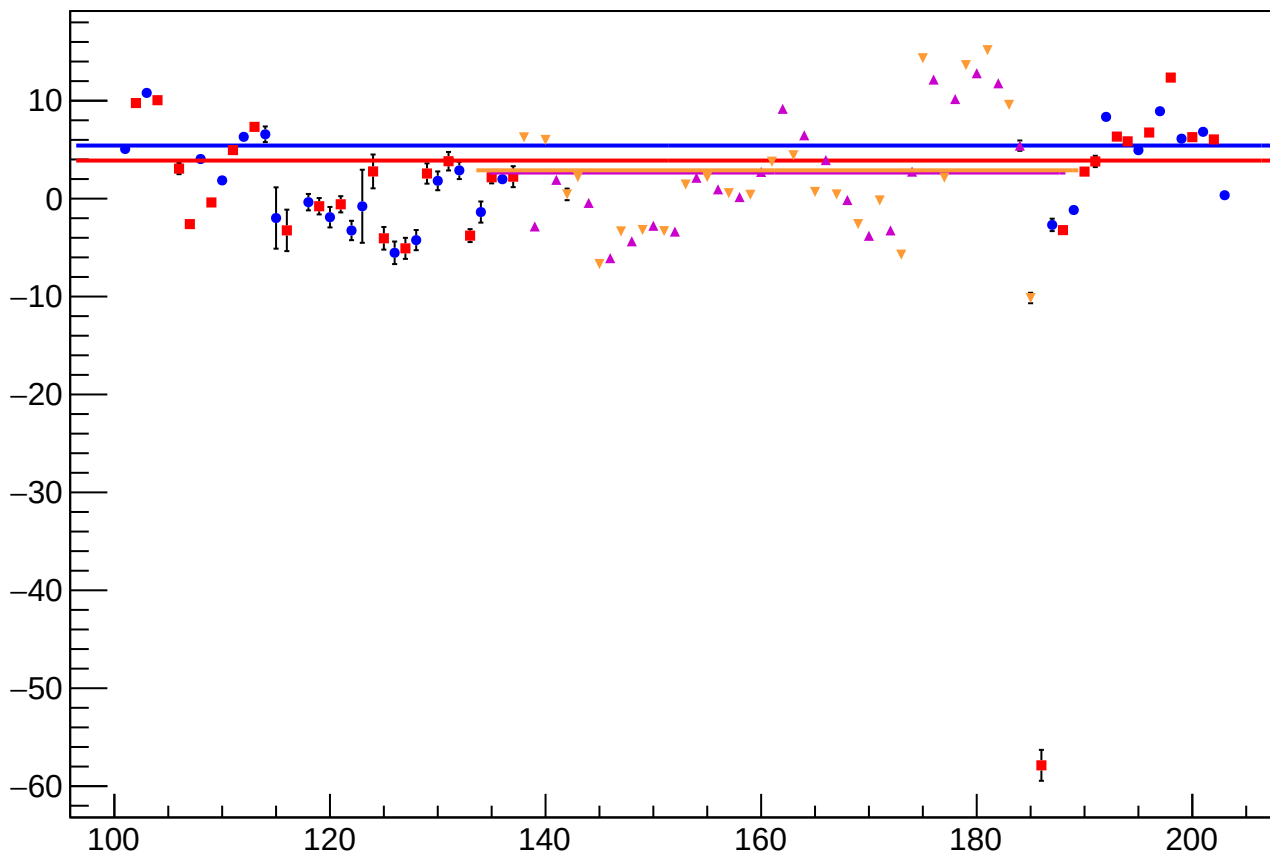
Right: -2.651 ± 0.038 χ^2/NDF : 84759.8/52

In: -0.685 ± 0.038 χ^2/NDF : 43763.2/47

Out: -0.518 ± 0.039 χ^2/NDF : 56015.4/52

All: -0.603 ± 0.027 χ^2/NDF : 99788.1/100

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.421 ± 0.074 $\chi^2/\text{NDF}: 2390.2/24$

Left Out: 2.891 ± 0.070 $\chi^2/\text{NDF}: 8889.4/24$

Right Out: 3.888 ± 0.070 $\chi^2/\text{NDF}: 7333.2/27$

Left In: 2.663 ± 0.071 $\chi^2/\text{NDF}: 7308.8/22$

Left: 2.778 ± 0.050 $\chi^2/\text{NDF}: 16203.4/47$

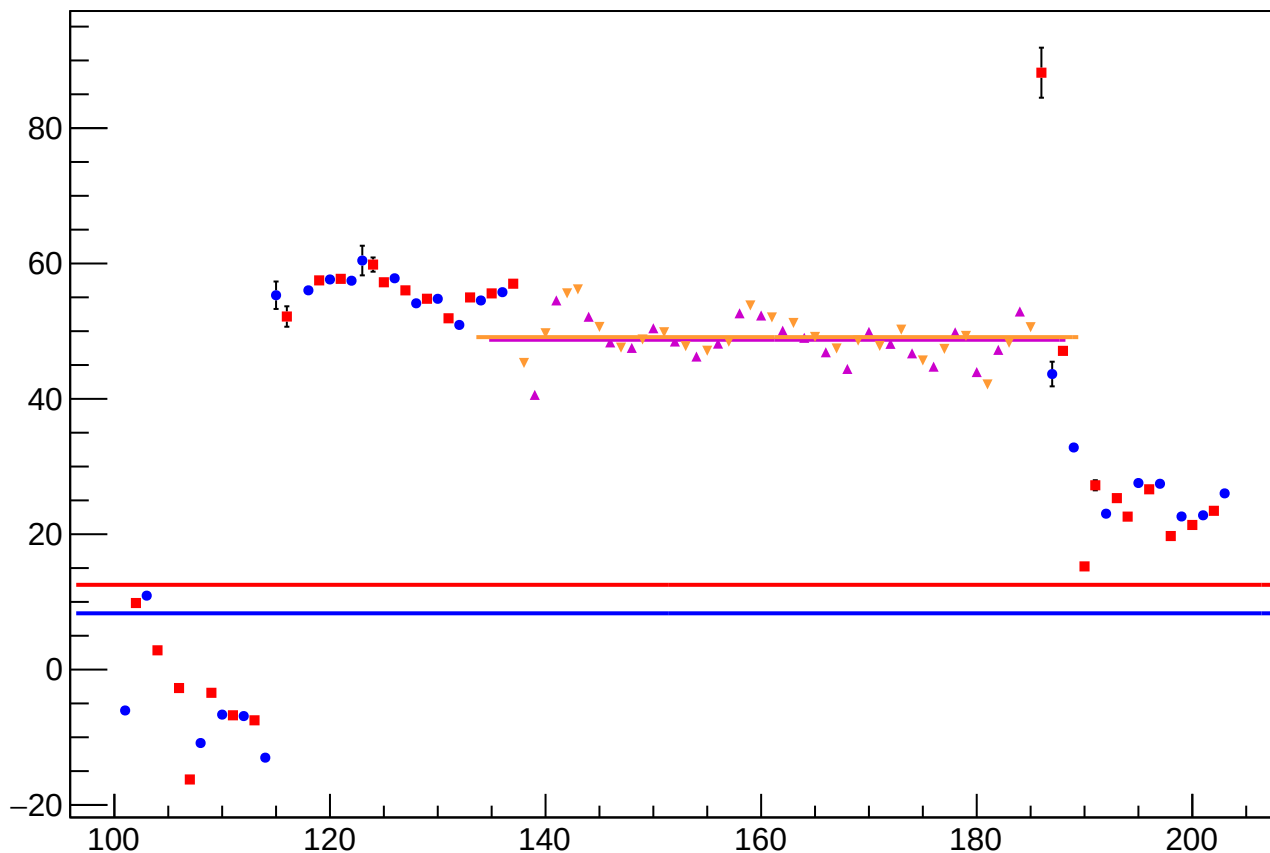
Right: 4.602 ± 0.051 $\chi^2/\text{NDF}: 9949.7/52$

In: 3.977 ± 0.051 $\chi^2/\text{NDF}: 10417.1/47$

Out: 3.396 ± 0.049 $\chi^2/\text{NDF}: 16324.1/52$

All: 3.675 ± 0.036 $\chi^2/\text{NDF}: 26807.5/100$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.314 ± 0.062 χ^2/NDF : 132725.5/24

Left Out: 49.121 ± 0.062 χ^2/NDF : 2165.4/24

Right Out: 12.525 ± 0.065 χ^2/NDF : 134187.4/27

Left In: 48.731 ± 0.064 χ^2/NDF : 2117.7/22

Left: 48.931 ± 0.044 χ^2/NDF : 4302.5/47

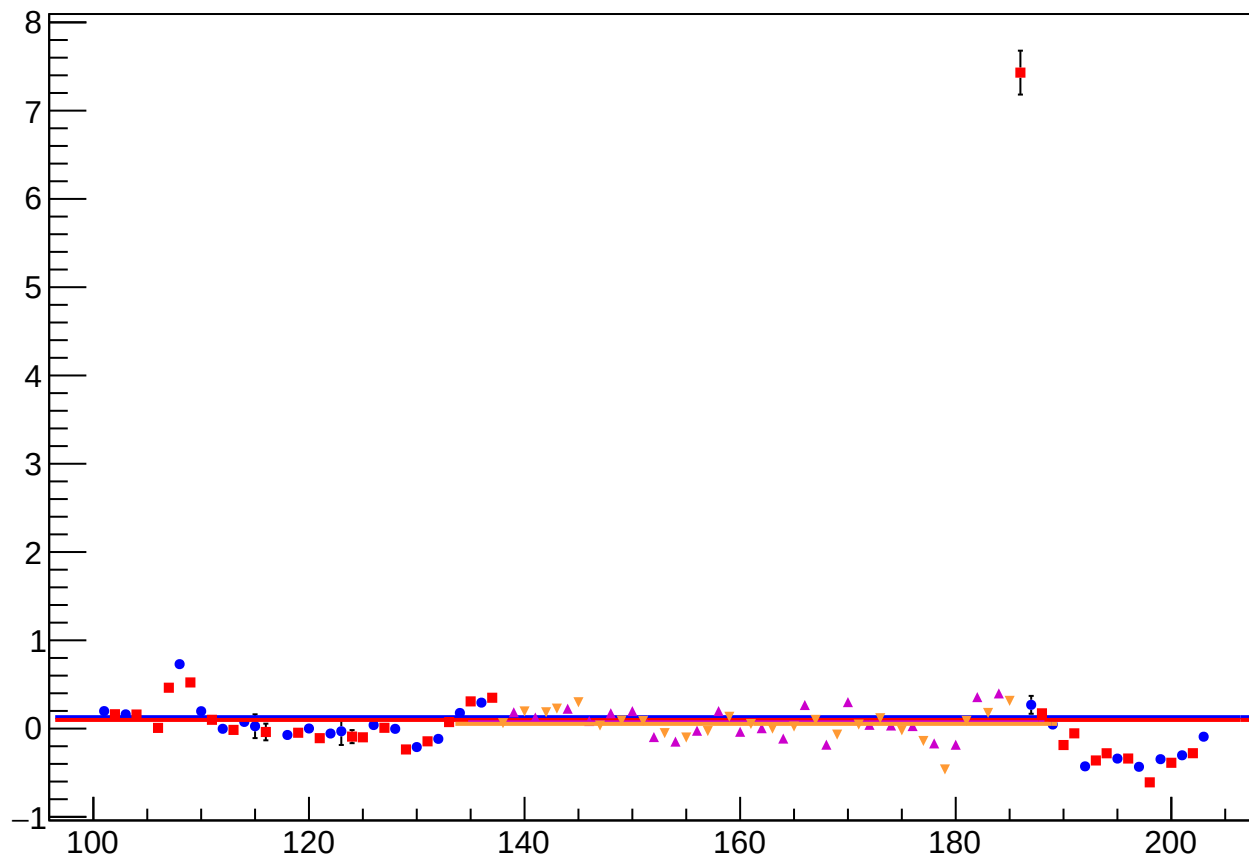
Right: 10.289 ± 0.045 χ^2/NDF : 269107.5/52

In: 27.874 ± 0.044 χ^2/NDF : 343519.7/47

Out: 31.857 ± 0.045 χ^2/NDF : 301343.0/52

All: 29.832 ± 0.032 χ^2/NDF : 648850.3/100

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.129 $\pm$ 0.003 χ^2 /NDF: 10260.9/24

Left Out: 0.053 $\pm$ 0.003 χ^2 /NDF:2369.3/24

Right Out: 0.098 $\pm$ 0.002 χ^2 /NDF: 10788.1/27

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

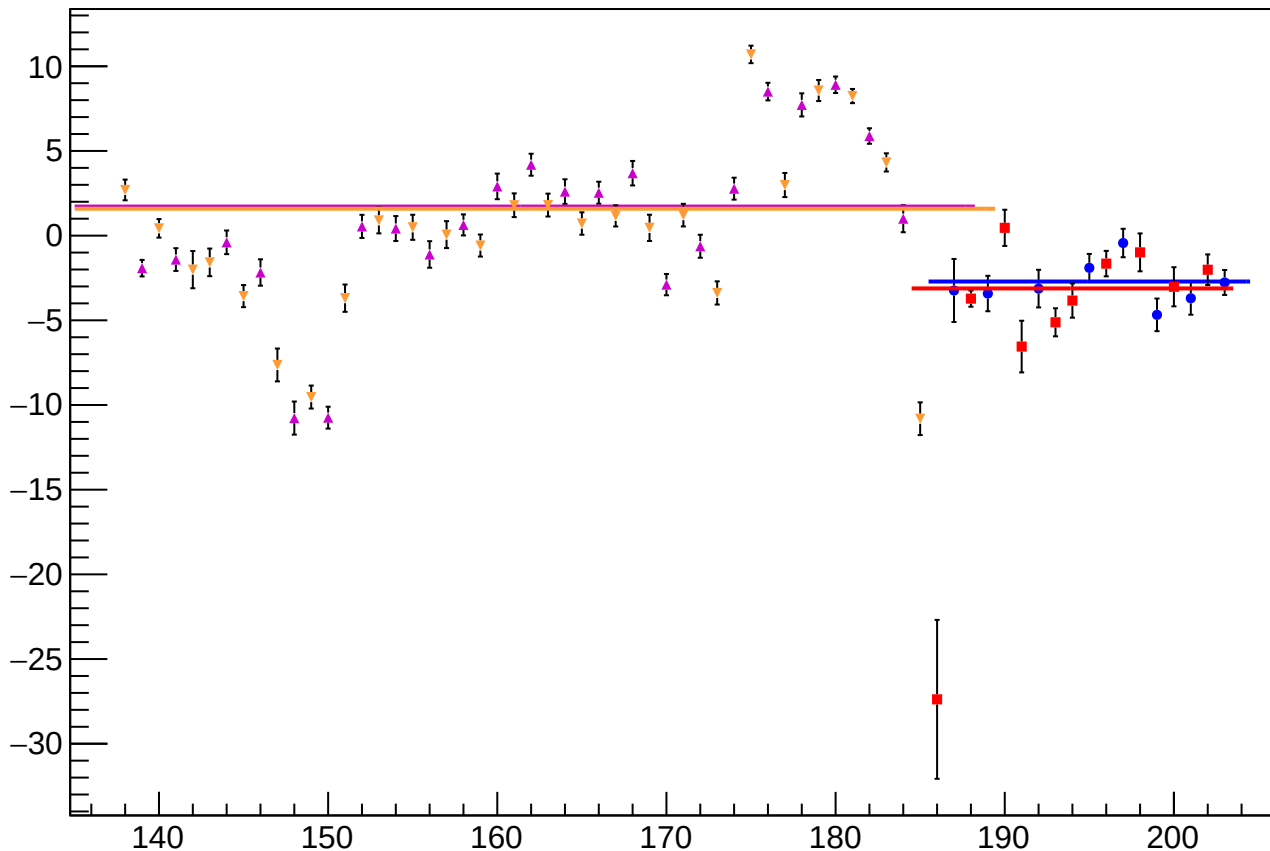
Right: 0.113 $\pm$ 0.002 χ^2 /NDF: 21128.4/52

In: 0.104 $\pm$ 0.002 χ^2 /NDF:13761.3/47

Out: 0.079 $\pm$ 0.002 χ^2 /NDF:13299.1/52

All: 0.091 $\pm$ 0.001 χ^2 /NDF: 27150.7/100

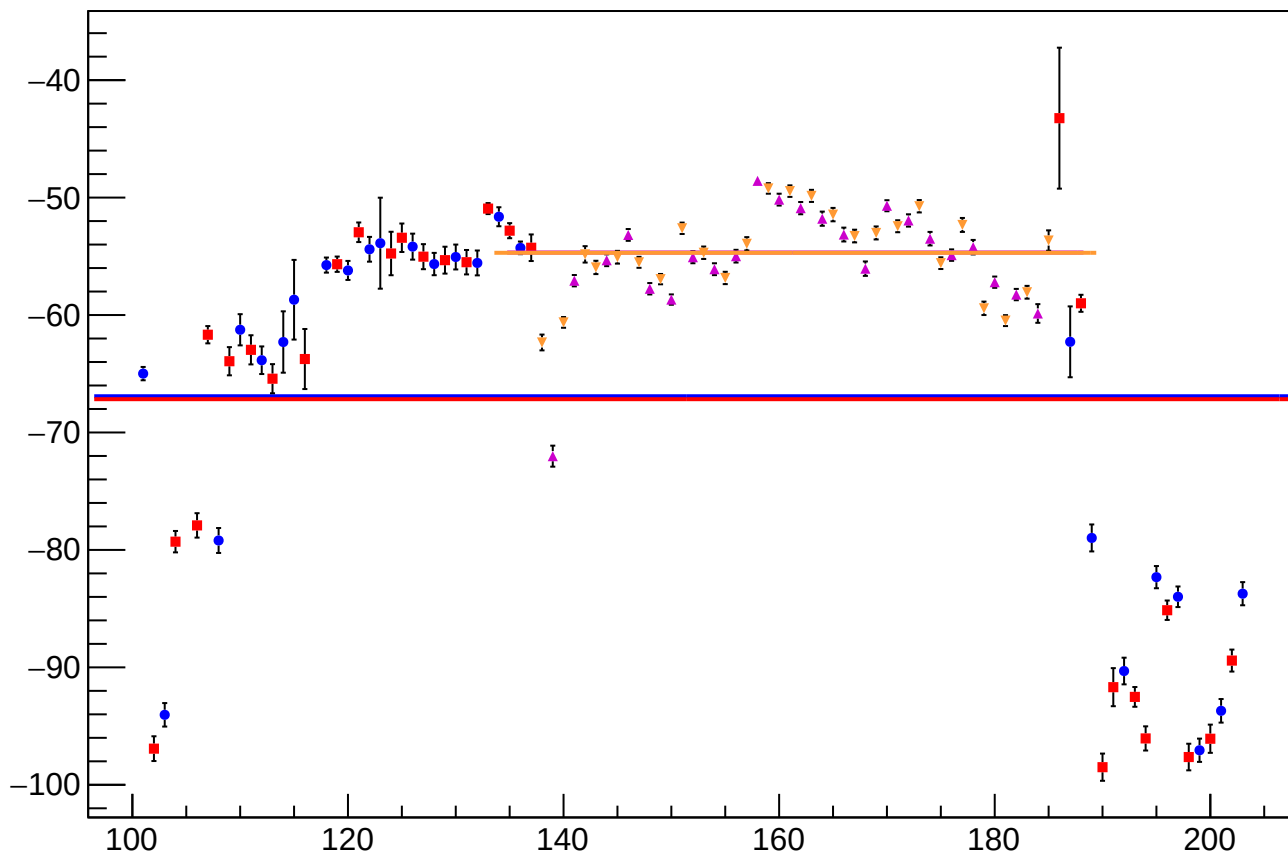
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.709 ± 0.335 $\chi^2/\text{NDF}: 14.2/7$
 Left Out: 1.590 ± 0.133 $\chi^2/\text{NDF}: 1457.4/24$
 Right Out: -3.117 ± 0.280 $\chi^2/\text{NDF}: 59.9/9$
 Left In: 1.715 ± 0.134 $\chi^2/\text{NDF}: 1313.5/22$

Left: 1.652 ± 0.094 $\chi^2/\text{NDF}: 2771.4/47$
 Right: -2.949 ± 0.215 $\chi^2/\text{NDF}: 74.9/17$
 In: 1.105 ± 0.125 $\chi^2/\text{NDF}: 1477.8/30$
 Out: 0.726 ± 0.120 $\chi^2/\text{NDF}: 1747.4/34$
 All: 0.908 ± 0.086 $\chi^2/\text{NDF}: 3229.9/65$

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -66.915 $\pm$ 0.192 χ^2 /NDF: 6074.7/24

Left Out: -54.701 $\pm$ 0.106 χ^2 /NDF:1124.5/24

Right Out: -67.166 $\pm$ 0.178 χ^2 /NDF: 9263.1/27

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

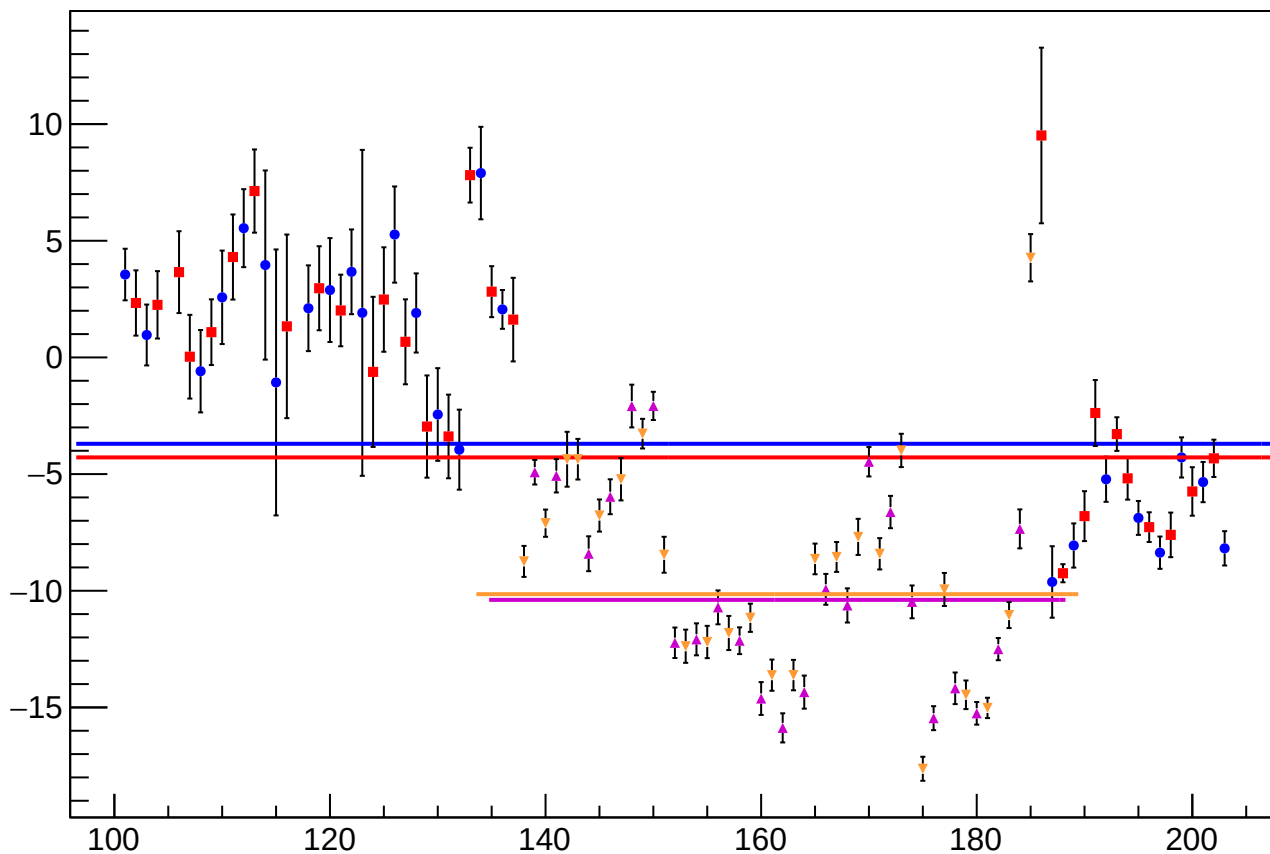
Right: -67.050 $\pm$ 0.130 χ^2 /NDF: 15338.7/52

In: -57.686 $\pm$ 0.095 χ^2 /NDF:10289.2/47

Out: -57.966 $\pm$ 0.091 χ^2 /NDF:14011.0/52

All: -57.832 $\pm$ 0.066 χ^2 /NDF: 24304.7/100

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -3.701 ± 0.241 χ^2/NDF : 396.0/24

Left Out: -10.146 ± 0.133 χ^2/NDF : 1051.2/24

Right Out: -4.285 ± 0.205 χ^2/NDF : 583.6/27

Left In: -10.391 ± 0.134 χ^2/NDF : 1024.8/22

Left: -10.268 ± 0.094 χ^2/NDF : 2077.6/47

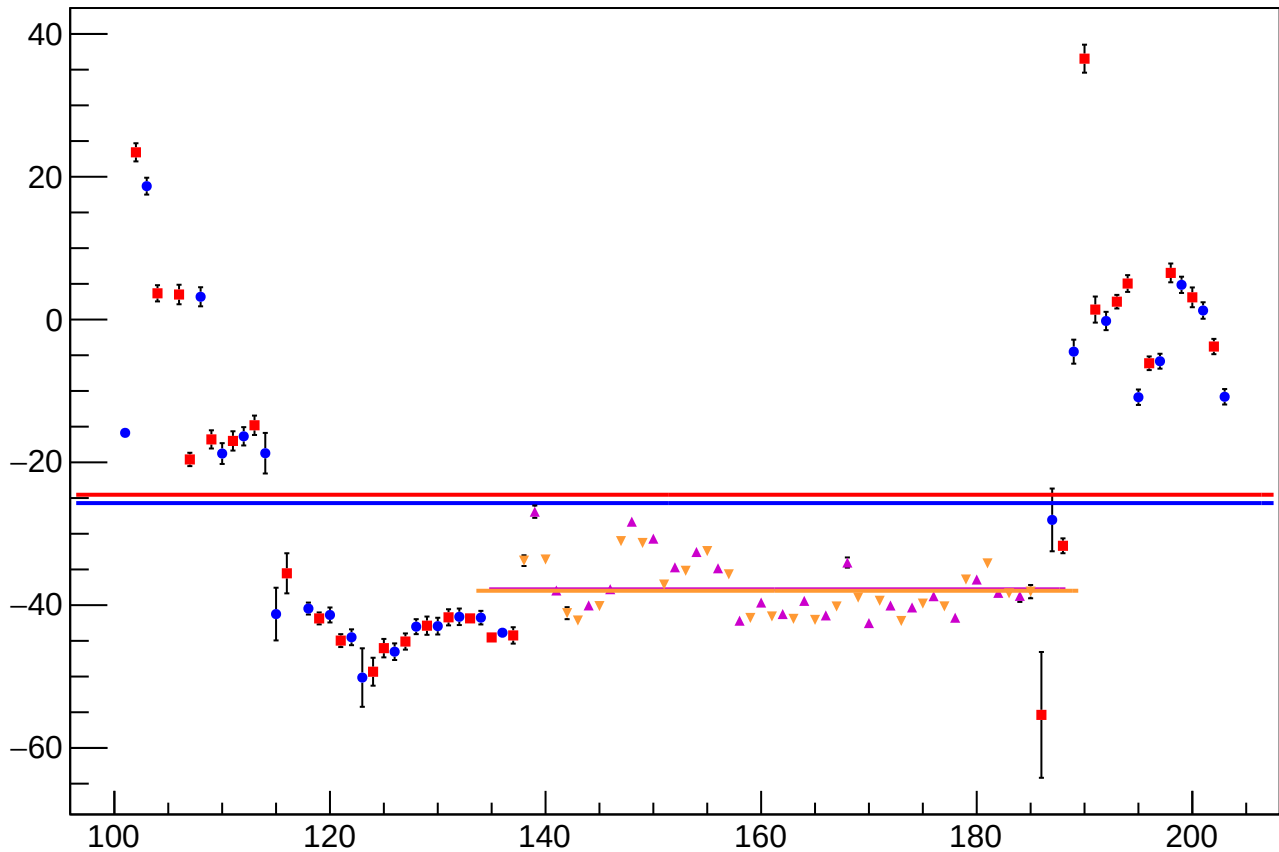
Right: -4.039 ± 0.156 χ^2/NDF : 982.9/52

In: -8.812 ± 0.117 χ^2/NDF : 2010.9/47

Out: -8.408 ± 0.112 χ^2/NDF : 2210.3/52

All: -8.601 ± 0.081 χ^2/NDF : 4227.5/100

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -25.706 ± 0.220 $\chi^2/\text{NDF}: 8009.4/24$

Left Out: -37.983 ± 0.119 $\chi^2/\text{NDF}: 936.9/24$

Right Out: -24.536 ± 0.208 $\chi^2/\text{NDF}: 11269.8/27$

Left In: -37.784 ± 0.122 $\chi^2/\text{NDF}: 1079.7/22$

Left: -37.886 ± 0.085 $\chi^2/\text{NDF}: 2018.0/47$

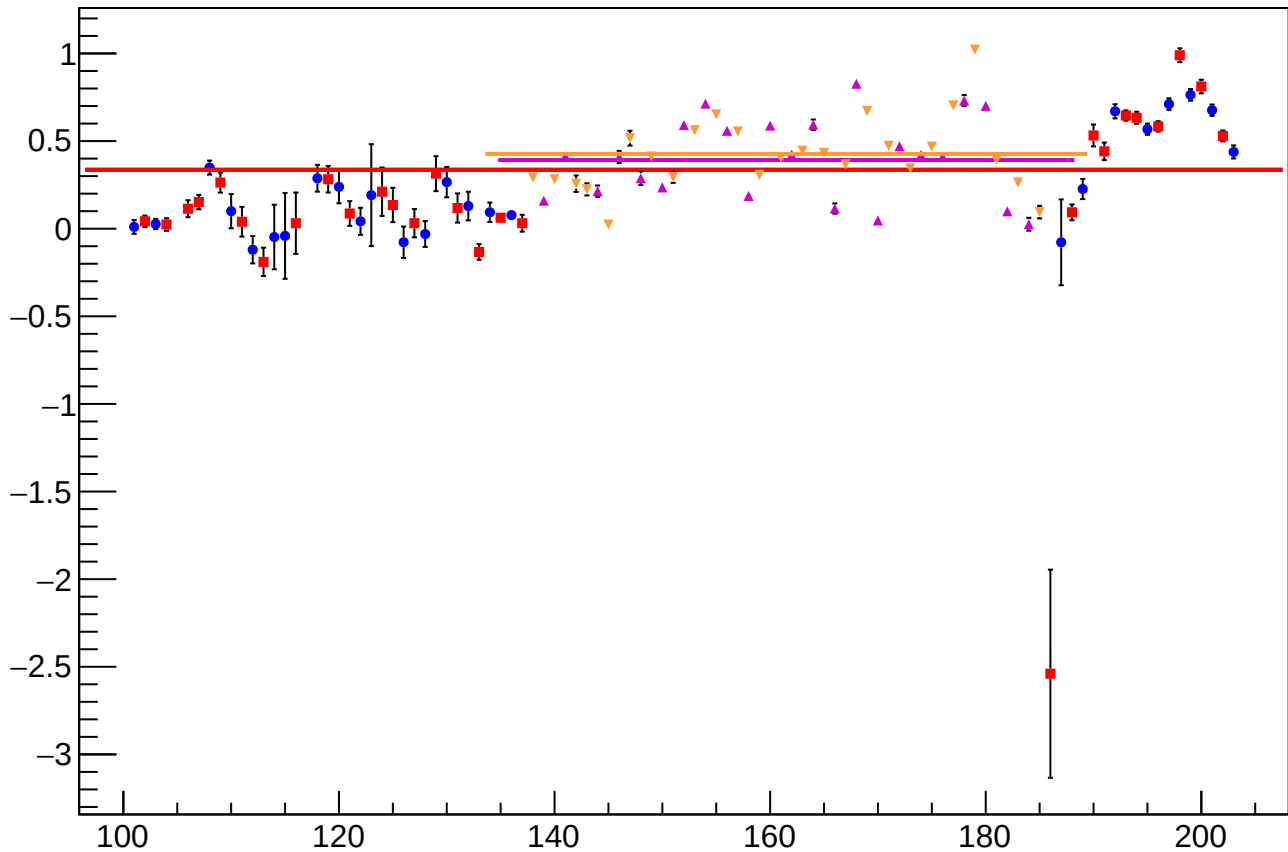
Right: -25.089 ± 0.151 $\chi^2/\text{NDF}: 19294.0/52$

In: -34.948 ± 0.107 $\chi^2/\text{NDF}: 11394.5/47$

Out: -34.670 ± 0.103 $\chi^2/\text{NDF}: 15352.6/52$

All: -34.805 ± 0.074 $\chi^2/\text{NDF}: 26750.7/100$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.337 $\pm$ 0.009 χ^2 /NDF: 994.5/24

Left Out: 0.427 $\pm$ 0.005 χ^2 /NDF:1293.3/24

Right Out: 0.335 $\pm$ 0.009 χ^2 /NDF: 1339.4/27

Left In: 0.392 $\pm$ 0.005 χ^2 /NDF:1835.6/22

Left: 0.409 $\pm$ 0.004 χ^2 /NDF: 3150.1/47

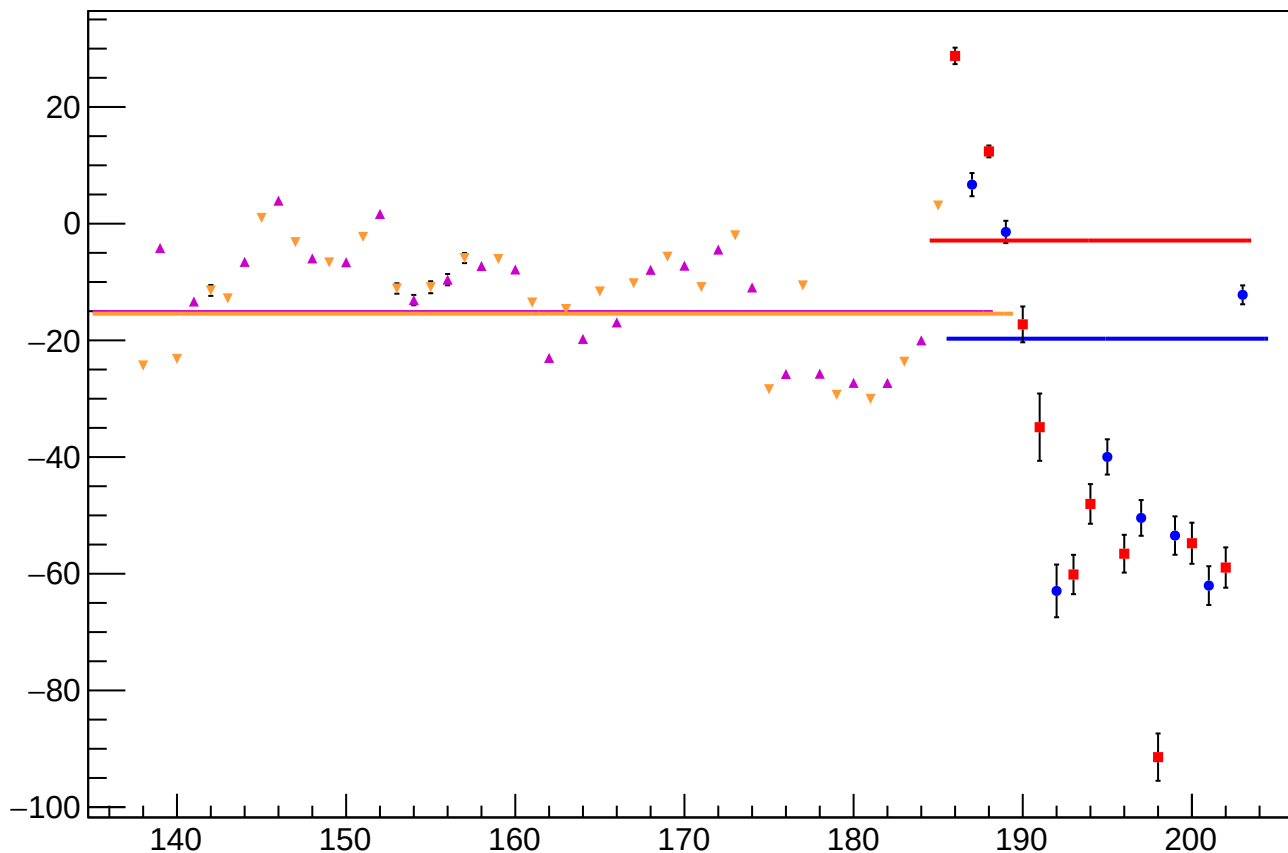
Right: 0.336 $\pm$ 0.006 χ^2 /NDF: 2333.9/52

In: 0.378 $\pm$ 0.005 χ^2 /NDF:2856.6/47

Out: 0.401 $\pm$ 0.005 χ^2 /NDF:2713.1/52

All: 0.390 $\pm$ 0.003 χ^2 /NDF: 5582.5/100

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -19.714 ± 0.859 $\chi^2/\text{NDF}: 794.2/7$
 Left Out: -15.427 ± 0.105 $\chi^2/\text{NDF}: 10499.6/24$
 Right Out: -2.889 ± 0.689 $\chi^2/\text{NDF}: 2480.7/9$
 Left In: -15.151 ± 0.106 $\chi^2/\text{NDF}: 8744.3/22$

Left: -15.290 ± 0.075 $\chi^2/\text{NDF}: 19247.4/47$

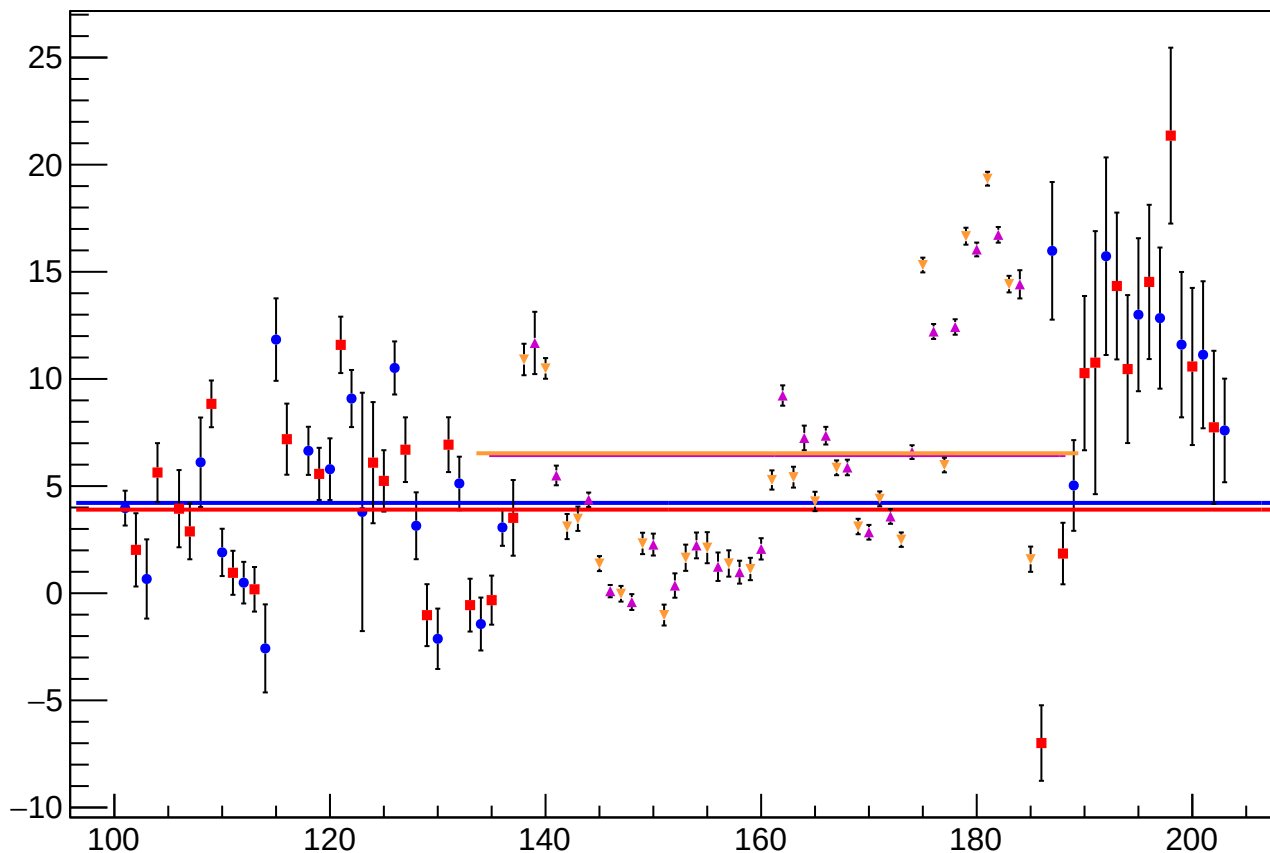
Right: -9.471 ± 0.537 $\chi^2/\text{NDF}: 3508.5/17$

In: -15.220 ± 0.105 $\chi^2/\text{NDF}: 9566.3/30$

Out: -15.140 ± 0.104 $\chi^2/\text{NDF}: 13304.4/34$

All: -15.180 ± 0.074 $\chi^2/\text{NDF}: 22871.0/65$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.215 $\pm$ 0.296 χ^2 /NDF: 182.7/24

Left Out: 6.531 $\pm$ 0.086 χ^2 /NDF:4969.5/24

Right Out: 3.901 $\pm$ 0.297 χ^2 /NDF: 222.5/27

Left In: 6.448 $\pm$ 0.086 χ^2 /NDF:3955.6/22

Left: 6.490 $\pm$ 0.061 χ^2 /NDF: 8925.6/47

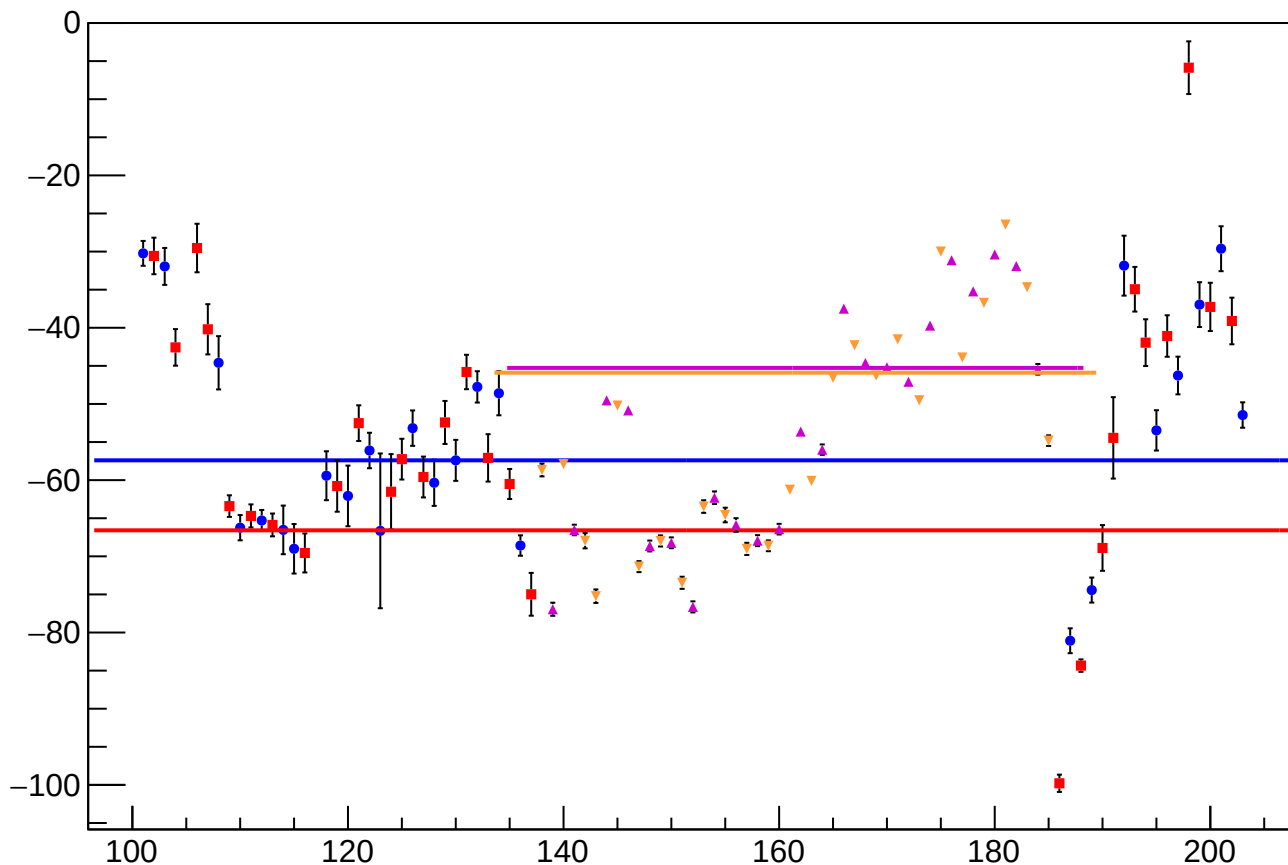
Right: 4.058 $\pm$ 0.210 χ^2 /NDF: 405.8/52

In: 6.275 $\pm$ 0.082 χ^2 /NDF:4190.8/47

Out: 6.329 $\pm$ 0.082 χ^2 /NDF:5264.5/52

All: 6.302 $\pm$ 0.058 χ^2 /NDF: 9455.5/100

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -57.400 $\pm$ 0.442 χ^2 /NDF: 1123.2/24

Left Out: -45.897 $\pm$ 0.106 χ^2 /NDF:17133.8/24

Right Out: -66.587 $\pm$ 0.391 χ^2 /NDF: 2811.0/27

Left In: -45.268 $\pm$ 0.107 χ^2 /NDF:15775.7/22

Left: -45.584 $\pm$ 0.075 χ^2 /NDF: 32927.0/47

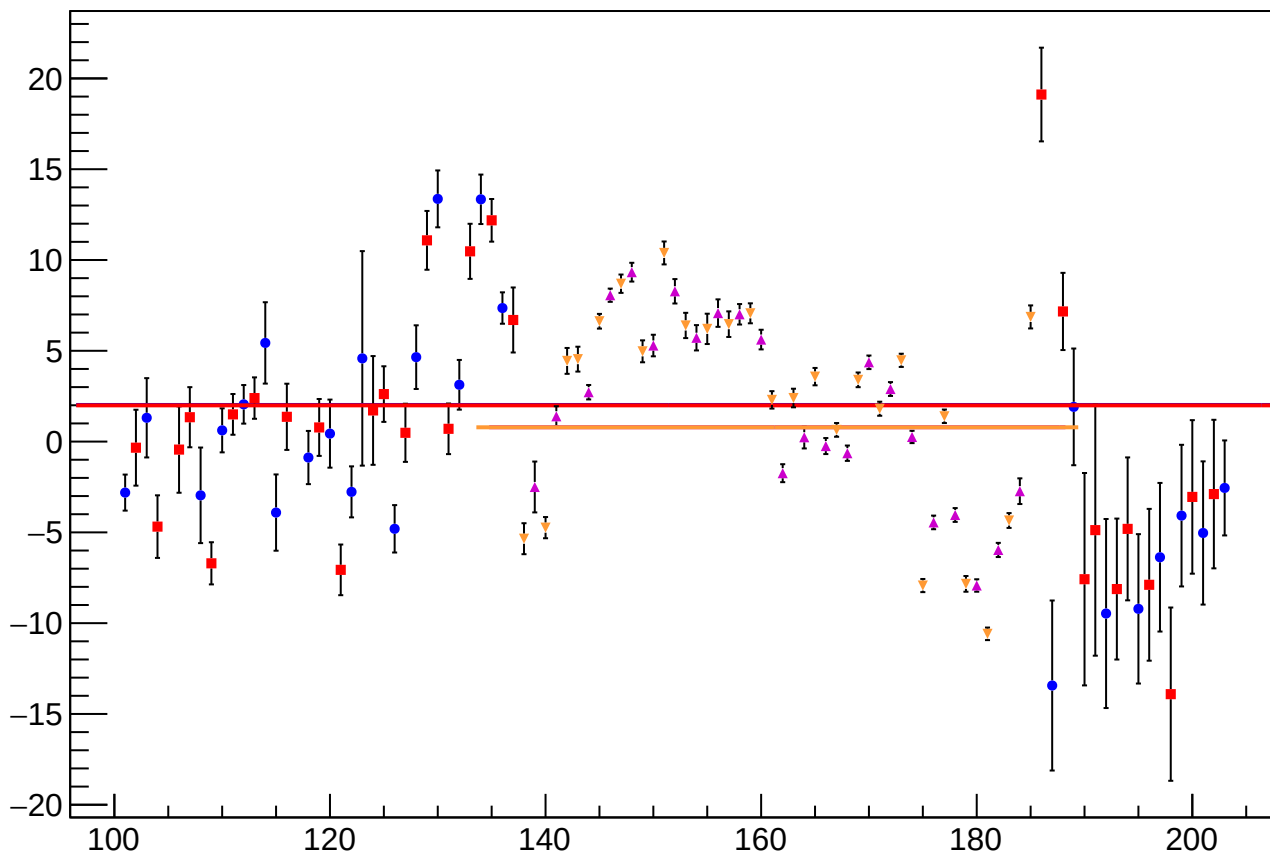
Right: -62.557 $\pm$ 0.293 χ^2 /NDF: 4176.4/52

In: -45.936 $\pm$ 0.104 χ^2 /NDF:17609.9/47

Out: -47.322 $\pm$ 0.103 χ^2 /NDF:22552.0/52

All: -46.637 $\pm$ 0.073 χ^2 /NDF: 40252.2/100

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.016 ± 0.334 χ^2/NDF : 281.4/24

Left Out: 0.787 ± 0.096 χ^2/NDF : 3746.7/24

Right Out: 1.995 ± 0.339 χ^2/NDF : 346.6/27

Left In: 0.791 ± 0.096 χ^2/NDF : 2697.7/22

Left: 0.789 ± 0.068 χ^2/NDF : 6444.4/47

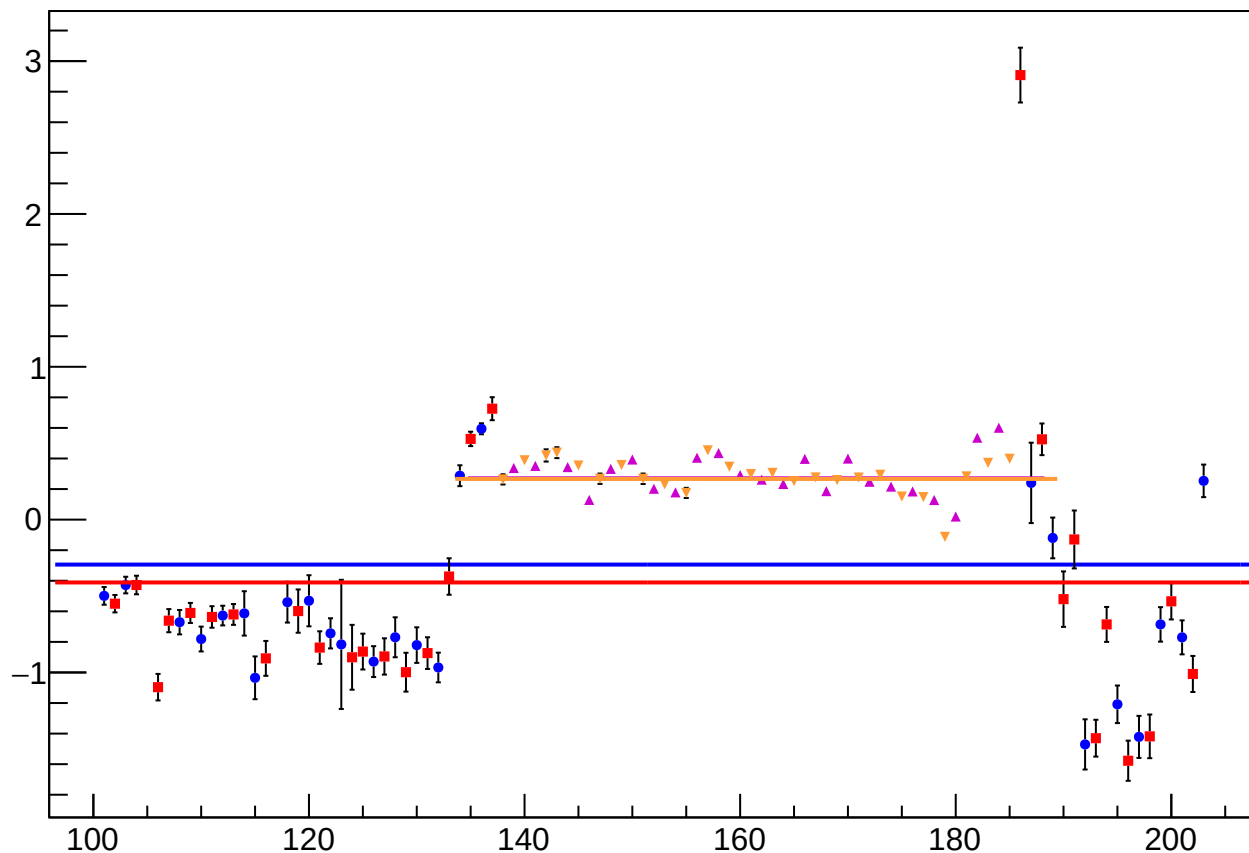
Right: 2.006 ± 0.238 χ^2/NDF : 628.0/52

In: 0.885 ± 0.092 χ^2/NDF : 2991.5/47

Out: 0.876 ± 0.092 χ^2/NDF : 4105.1/52

All: 0.880 ± 0.065 χ^2/NDF : 7096.6/100

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.294 ± 0.017 $\chi^2/\text{NDF}: 1204.9/24$

Left Out: 0.266 ± 0.004 $\chi^2/\text{NDF}: 698.1/24$

Right Out: -0.411 ± 0.017 $\chi^2/\text{NDF}: 1508.3/27$

Left In: 0.270 ± 0.004 $\chi^2/\text{NDF}: 973.5/22$

Left: 0.268 ± 0.003 $\chi^2/\text{NDF}: 1672.0/47$

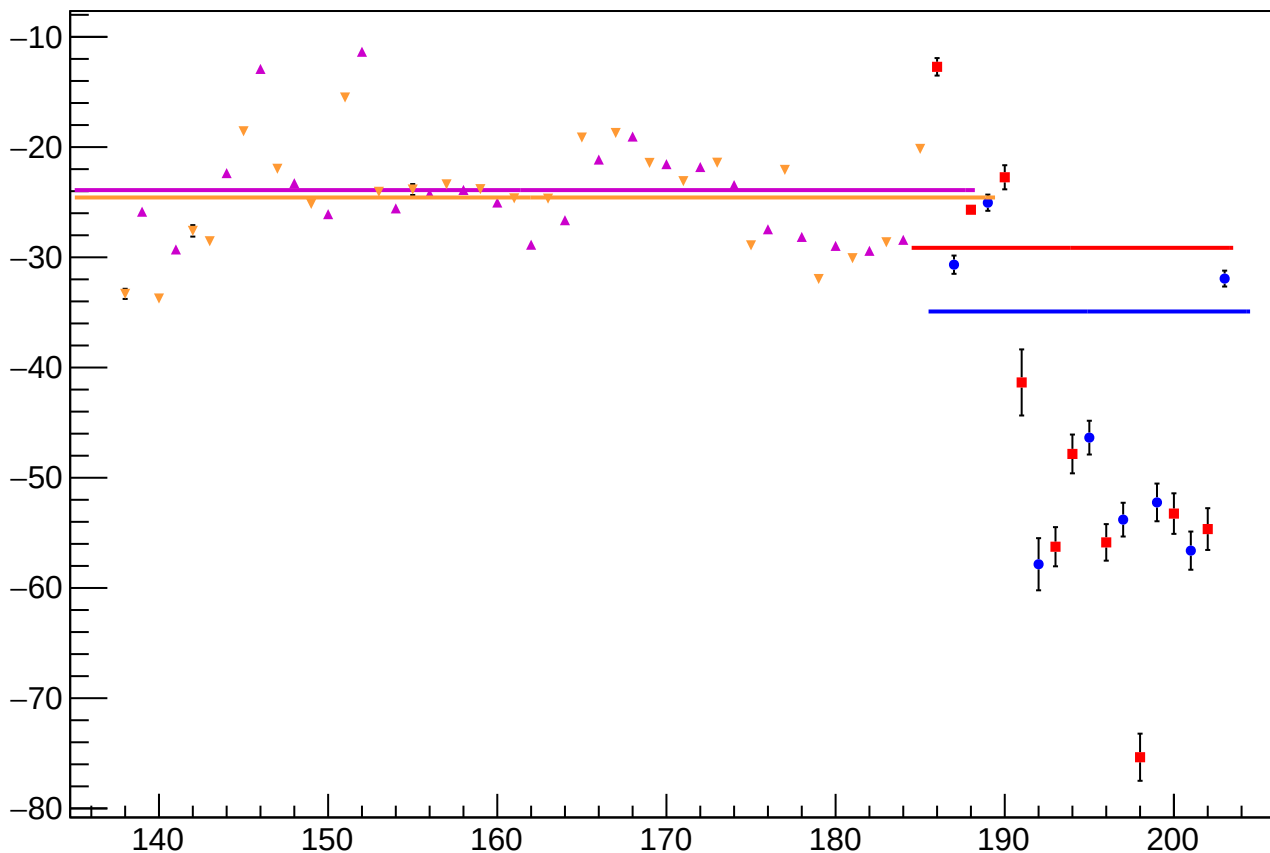
Right: -0.353 ± 0.012 $\chi^2/\text{NDF}: 2735.8/52$

In: 0.237 ± 0.004 $\chi^2/\text{NDF}: 3161.8/47$

Out: 0.226 ± 0.004 $\chi^2/\text{NDF}: 3650.3/52$

All: 0.231 ± 0.003 $\chi^2/\text{NDF}: 6815.4/100$

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.915 ± 0.380 $\chi^2/\text{NDF}: 785.0/7$
 Left Out: -24.571 ± 0.051 $\chi^2/\text{NDF}: 8610.0/24$
 Right Out: -29.140 ± 0.321 $\chi^2/\text{NDF}: 1969.1/9$
 Left In: -23.902 ± 0.051 $\chi^2/\text{NDF}: 9158.9/22$

Left: -24.236 ± 0.036 $\chi^2/\text{NDF}: 17855.2/47$

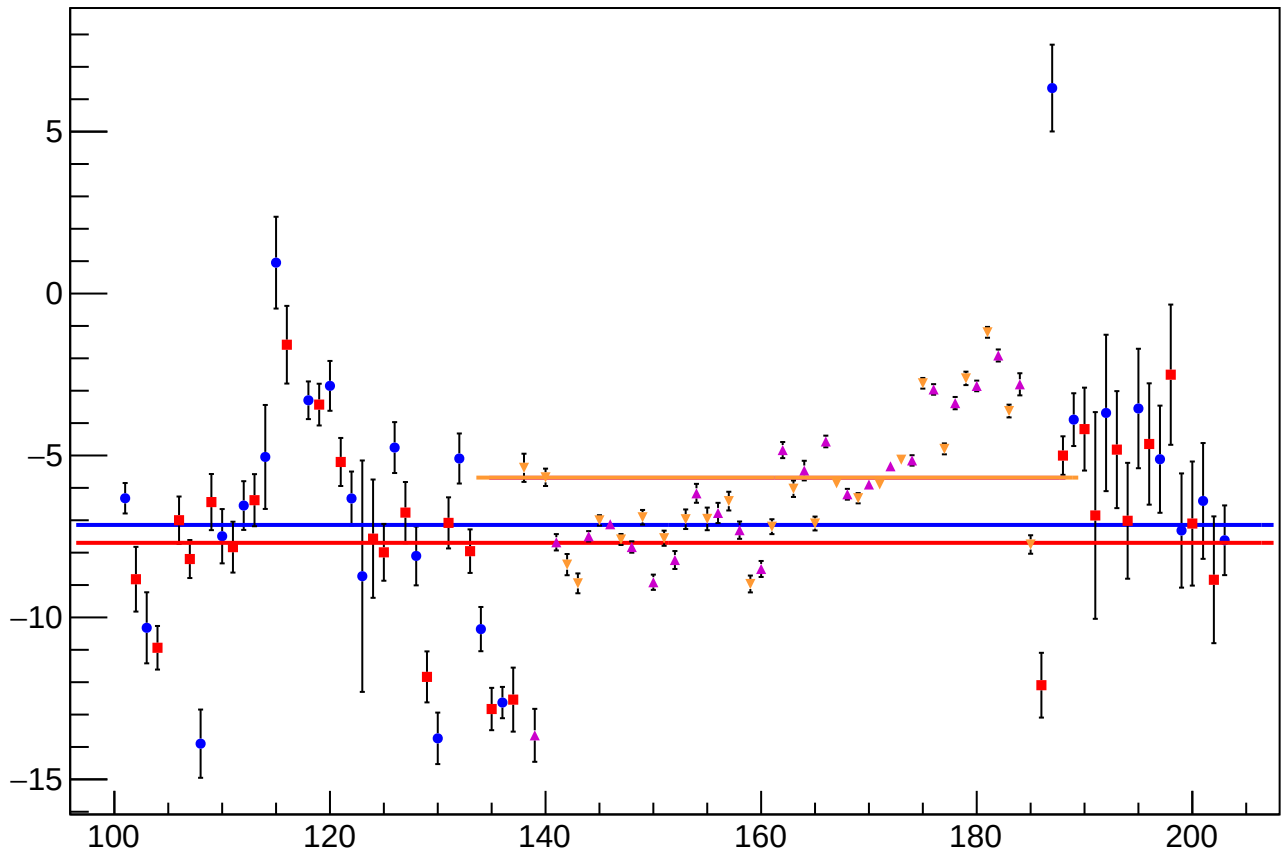
Right: -31.545 ± 0.245 $\chi^2/\text{NDF}: 2889.1/17$

In: -24.096 ± 0.050 $\chi^2/\text{NDF}: 10770.4/30$

Out: -24.684 ± 0.050 $\chi^2/\text{NDF}: 10776.9/34$

All: -24.390 ± 0.036 $\chi^2/\text{NDF}: 21615.4/65$

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.144 ± 0.173 χ^2/NDF : 525.9/24

Left Out: -5.683 ± 0.041 χ^2/NDF : 2231.0/24

Right Out: -7.697 ± 0.169 χ^2/NDF : 286.2/27

Left In: -5.690 ± 0.041 χ^2/NDF : 2328.2/22

Left: -5.686 ± 0.029 χ^2/NDF : 4559.2/47

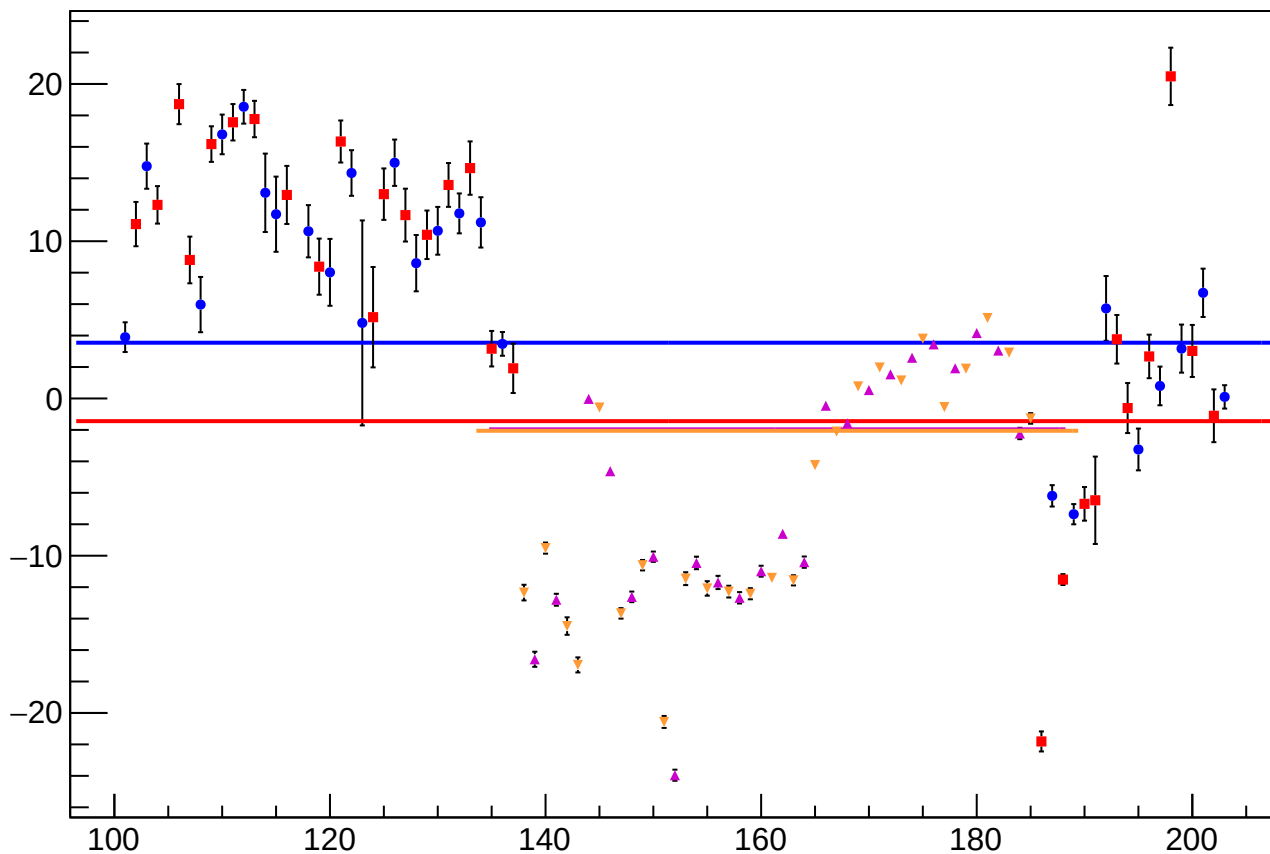
Right: -7.427 ± 0.121 χ^2/NDF : 817.4/52

In: -5.766 ± 0.040 χ^2/NDF : 2921.1/47

Out: -5.796 ± 0.040 χ^2/NDF : 2651.6/52

All: -5.781 ± 0.028 χ^2/NDF : 5573.0/100

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

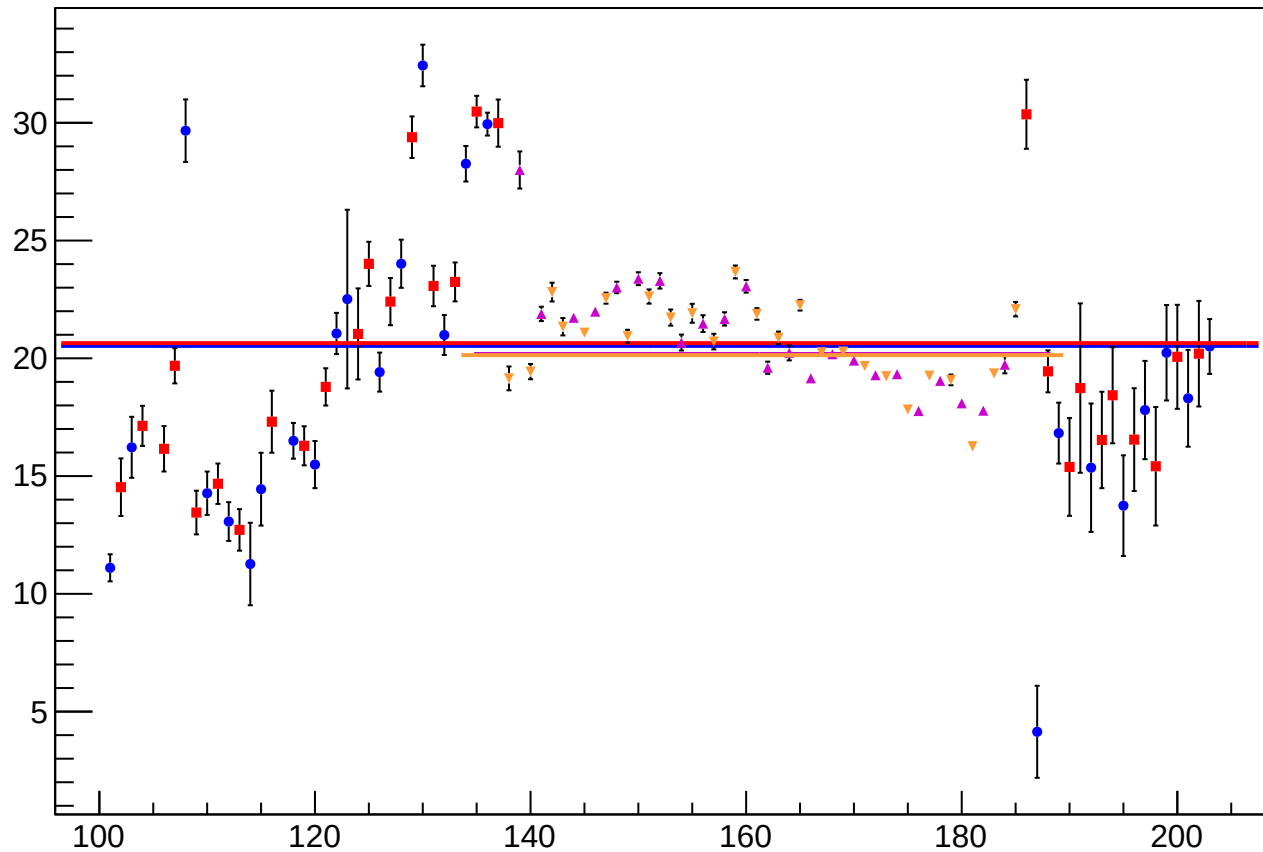


Right In: 3.545 ± 0.239 $\chi^2/\text{NDF}: 1179.2/24$
 Left Out: -2.055 ± 0.051 $\chi^2/\text{NDF}: 16042.5/24$
 Right Out: -1.443 ± 0.208 $\chi^2/\text{NDF}: 4063.5/27$
 Left In: -1.963 ± 0.051 $\chi^2/\text{NDF}: 15492.9/22$

Left: -2.009 ± 0.036 $\chi^2/\text{NDF}: 31537.0/47$
 Right: 0.704 ± 0.157 $\chi^2/\text{NDF}: 5491.0/52$
 In: -1.722 ± 0.050 $\chi^2/\text{NDF}: 17180.5/47$
 Out: -2.020 ± 0.050 $\chi^2/\text{NDF}: 20114.1/52$

All: -1.871 ± 0.035 $\chi^2/\text{NDF}: 37312.3/100$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.529 $\pm$ 0.198 χ^2 /NDF: 1325.0/24

Left Out: 20.136 $\pm$ 0.046 χ^2 /NDF:1414.2/24

Right Out: 20.645 $\pm$ 0.199 χ^2 /NDF: 794.1/27

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

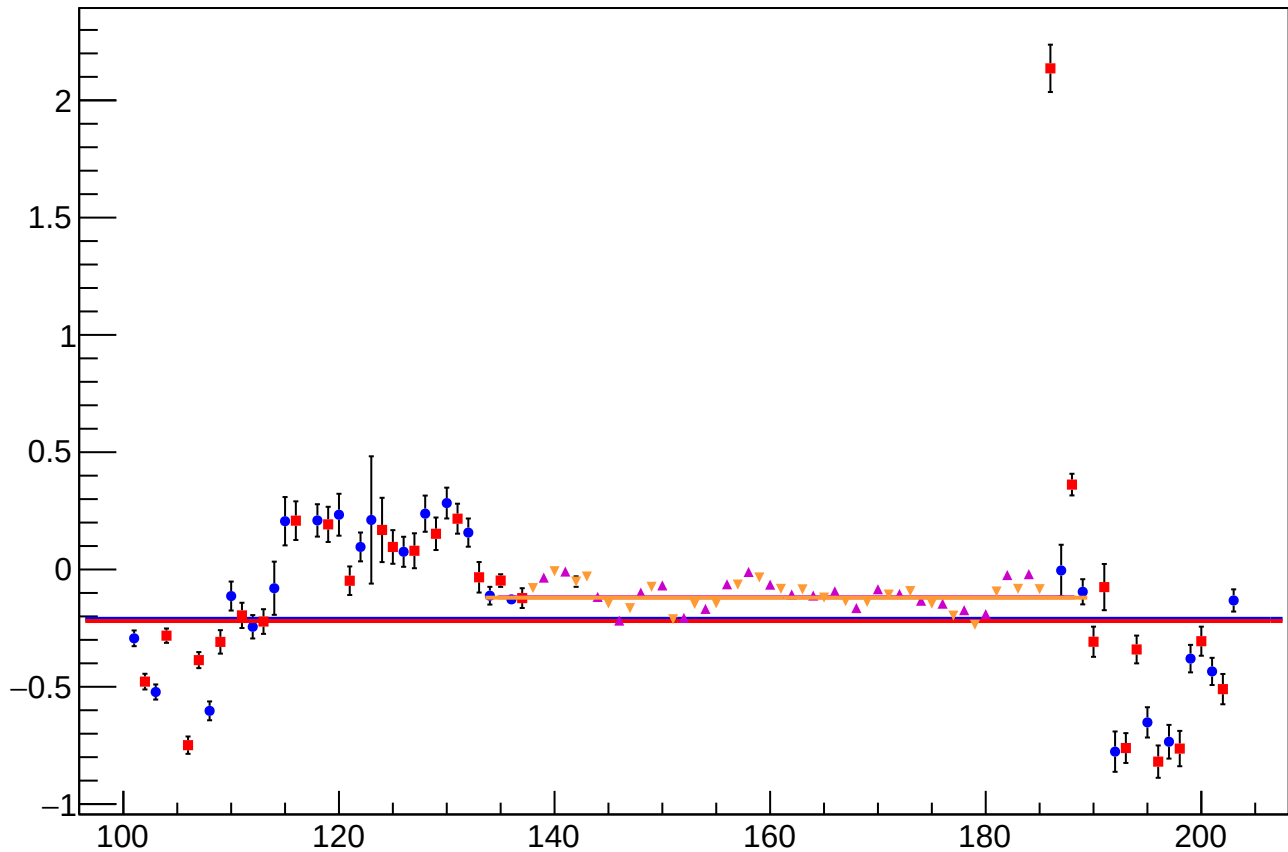
Right: 20.587 $\pm$ 0.140 χ^2 /NDF: 2119.2/52

In: 20.202 $\pm$ 0.045 χ^2 /NDF:2798.5/47

Out: 20.162 $\pm$ 0.045 χ^2 /NDF:2214.6/52

All: 20.182 $\pm$ 0.032 χ^2 /NDF: 5013.5/100

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.210 ± 0.010 χ^2/NDF : 653.6/24

Left Out: -0.120 ± 0.002 χ^2/NDF : 532.4/24

Right Out: -0.220 ± 0.010 χ^2/NDF : 1468.8/27

Left In: -0.118 ± 0.002 χ^2/NDF : 727.5/22

Left: -0.119 ± 0.001 χ^2/NDF : 1260.2/47

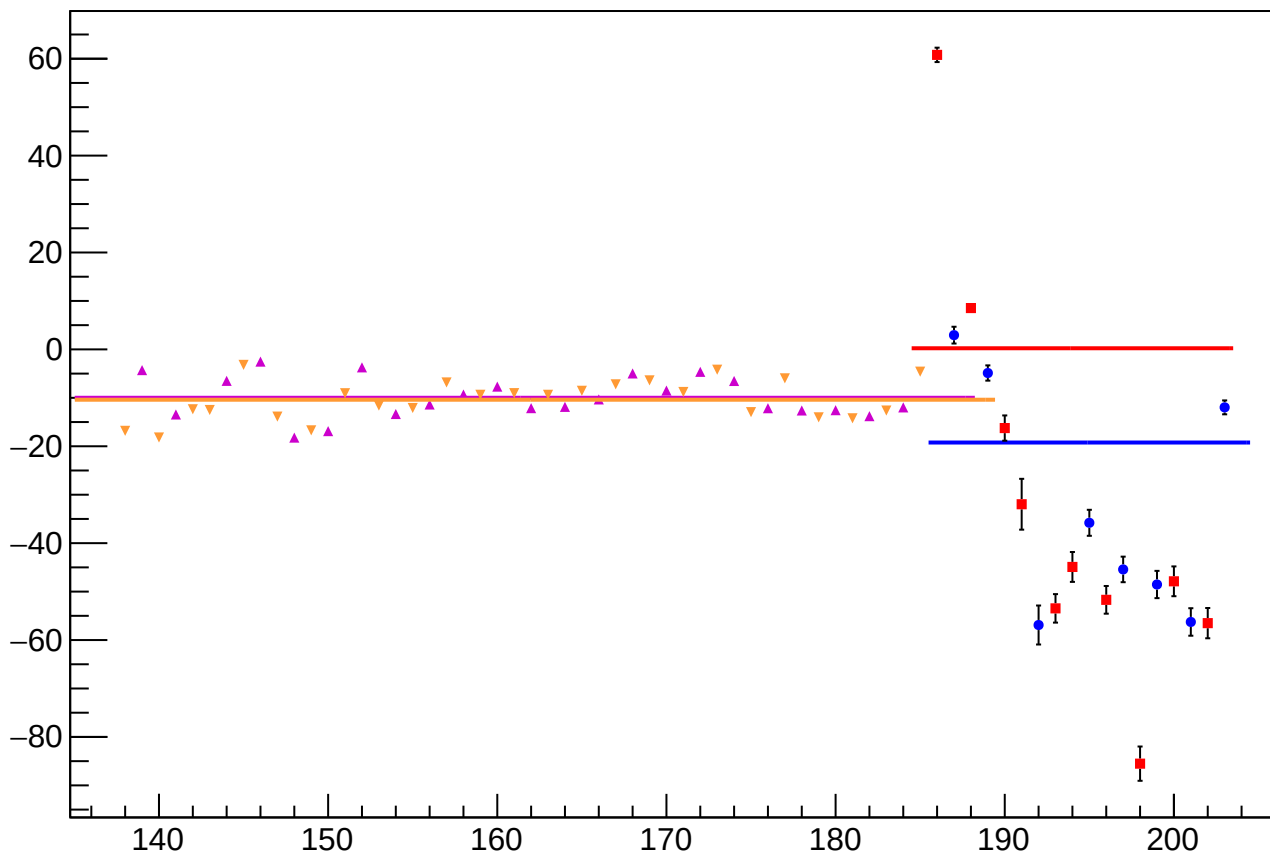
Right: -0.215 ± 0.007 χ^2/NDF : 2122.8/52

In: -0.122 ± 0.002 χ^2/NDF : 1462.1/47

Out: -0.125 ± 0.002 χ^2/NDF : 2101.9/52

All: -0.123 ± 0.001 χ^2/NDF : 3564.6/100

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -19.227 ± 0.742 χ^2/NDF : 775.4/7
 Left Out: -10.392 ± 0.088 χ^2/NDF : 2112.5/24
 Right Out: 0.231 ± 0.618 χ^2/NDF : 3869.9/9
 Left In: -9.990 ± 0.089 χ^2/NDF : 1794.2/22

Left: -10.194 ± 0.063 χ^2/NDF : 3917.0/47

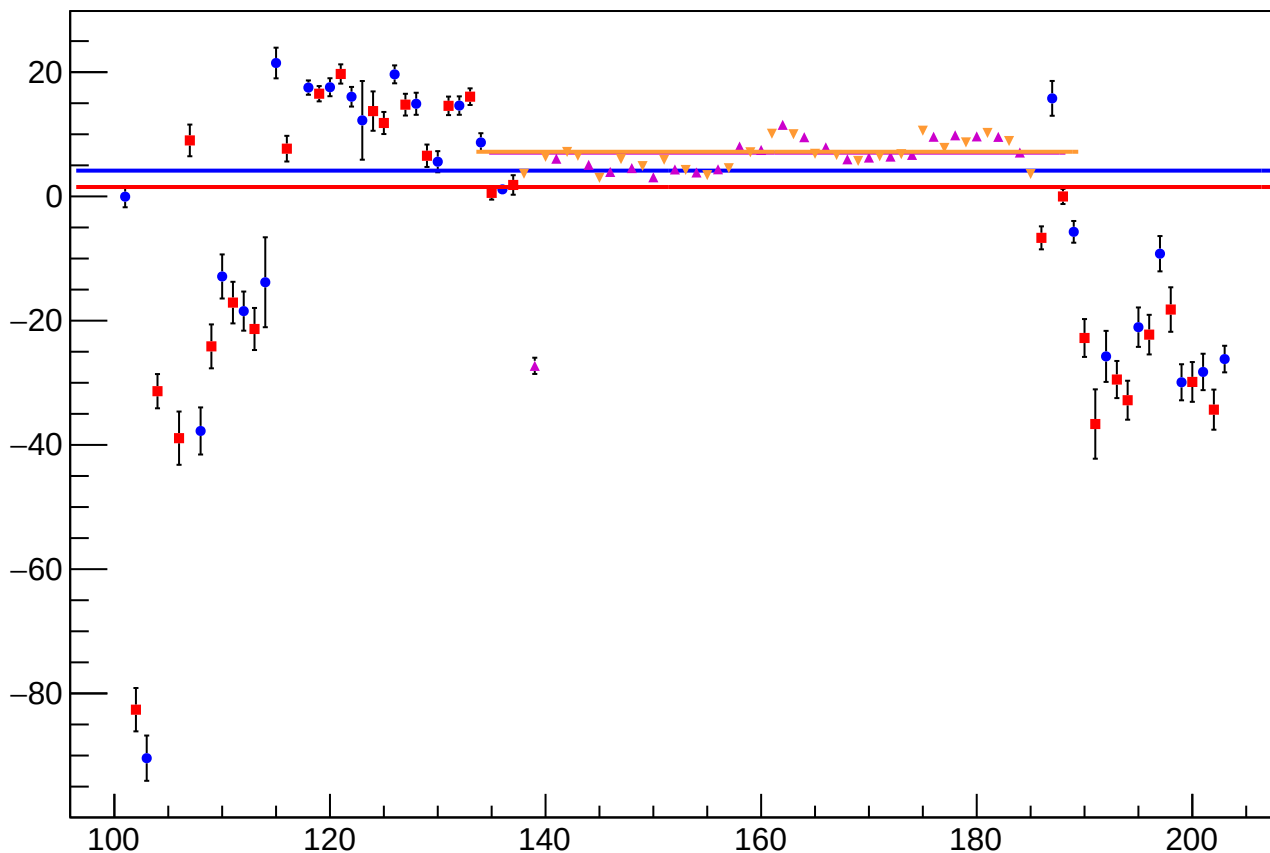
Right: -7.732 ± 0.475 χ^2/NDF : 5051.6/17

In: -10.121 ± 0.089 χ^2/NDF : 2722.4/30

Out: -10.181 ± 0.087 χ^2/NDF : 6272.4/34

All: -10.152 ± 0.062 χ^2/NDF : 8995.0/65

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.150 ± 0.369 χ^2/NDF : 2086.0/24

Left Out: 7.187 ± 0.074 χ^2/NDF : 916.3/24

Right Out: 1.513 ± 0.378 χ^2/NDF : 2218.6/27

Left In: 7.043 ± 0.074 χ^2/NDF : 1604.6/22

Left: 7.115 ± 0.052 χ^2/NDF : 2522.8/47

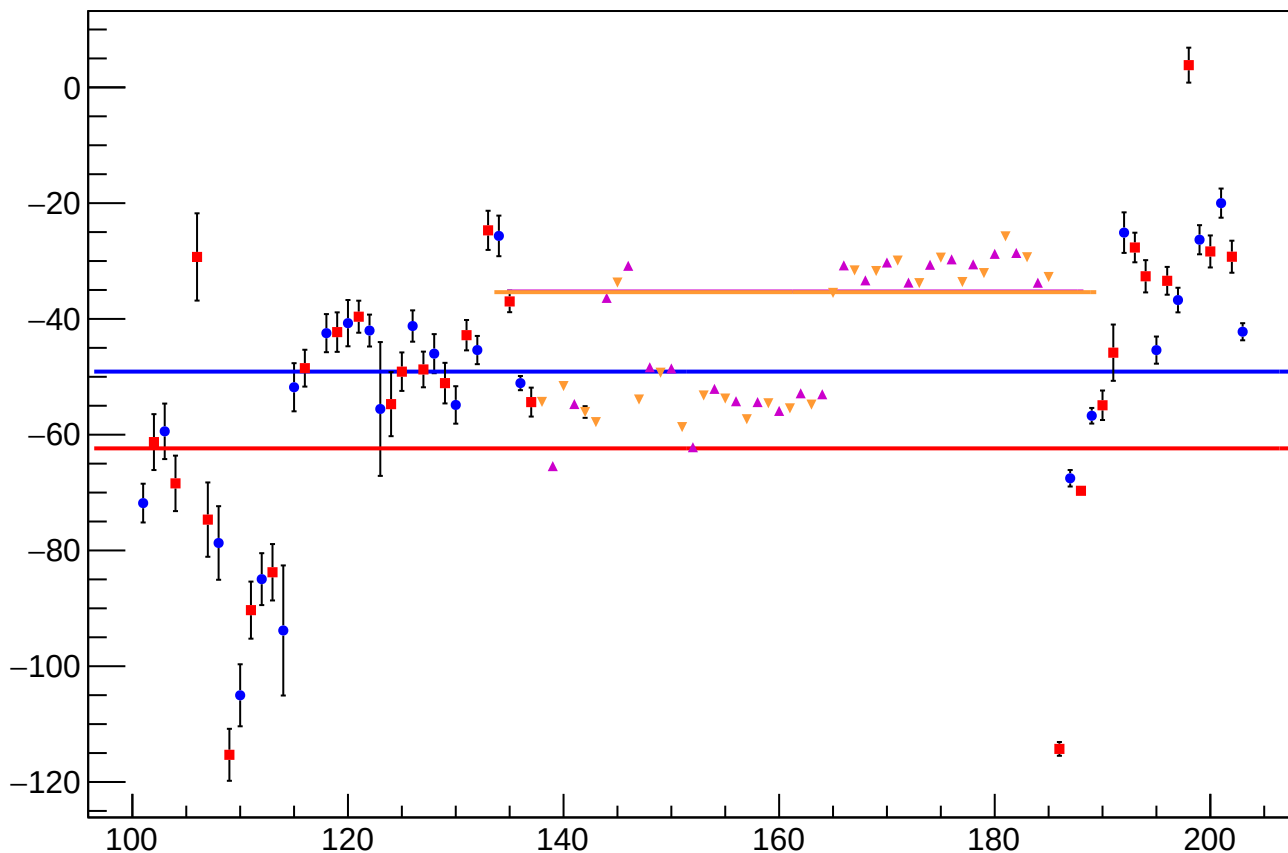
Right: 2.865 ± 0.264 χ^2/NDF : 4329.5/52

In: 6.931 ± 0.073 χ^2/NDF : 3749.8/47

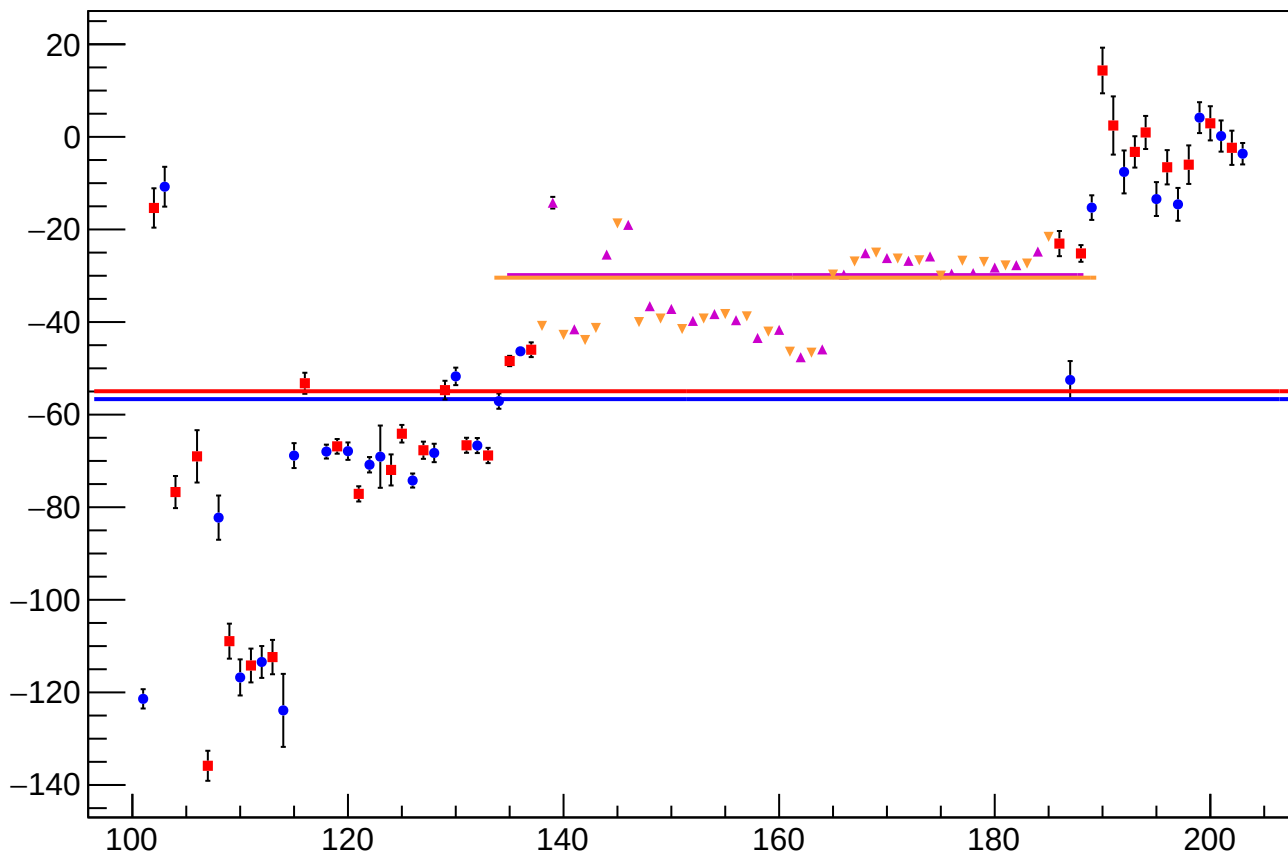
Out: 6.980 ± 0.072 χ^2/NDF : 3351.8/52

All: 6.956 ± 0.051 χ^2/NDF : 7101.8/100

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -56.650 $\pm$ 0.415 χ^2 /NDF: 4038.8/24

Left Out: -30.415 $\pm$ 0.082 χ^2 /NDF: 8132.2/24

Right Out: -54.947 $\pm$ 0.437 χ^2 /NDF: 3910.4/27

Left In: -29.863 $\pm$ 0.082 χ^2 /NDF: 7145.9/22

Left: -30.141 $\pm$ 0.058 χ^2 /NDF: 15300.8/47

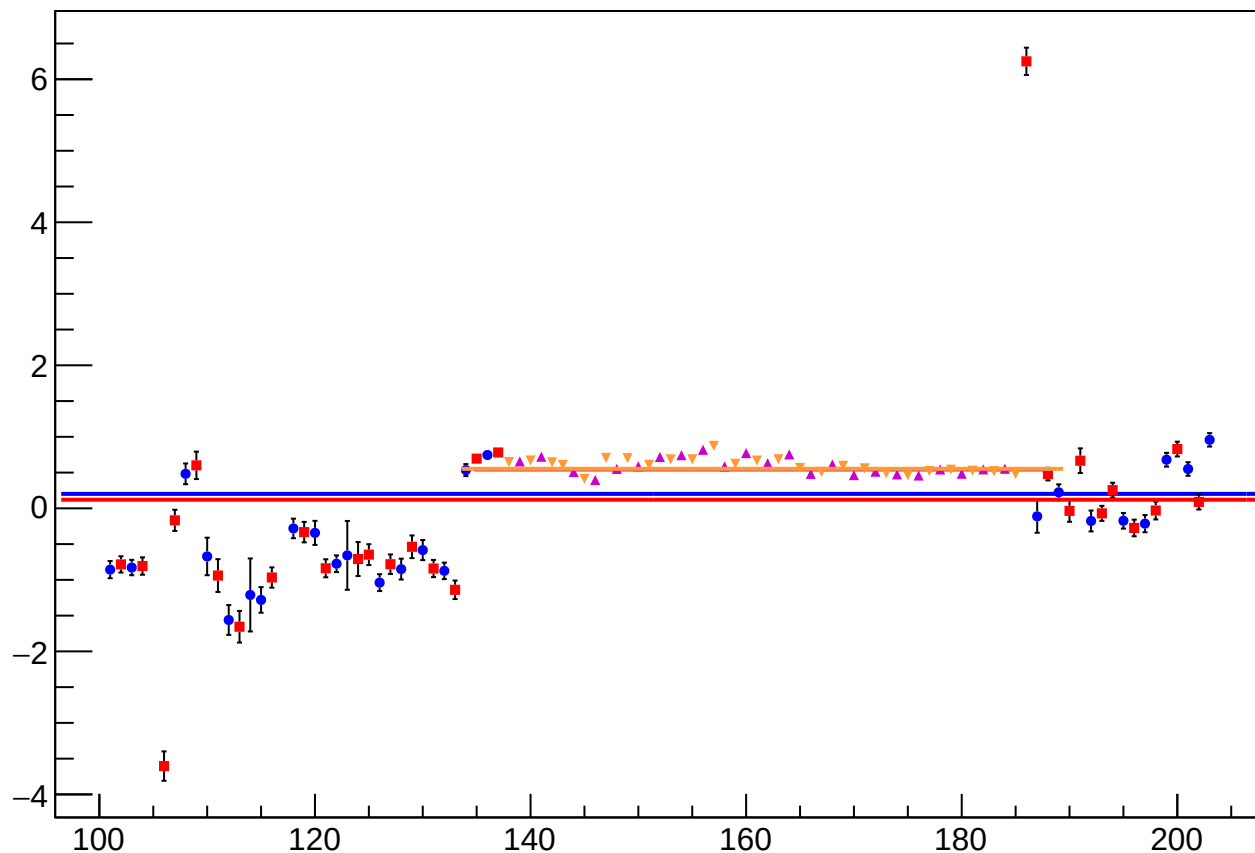
Right: -55.842 $\pm$ 0.301 χ^2 /NDF: 7957.1/52

In: -30.876 $\pm$ 0.081 χ^2 /NDF: 15194.9/47

Out: -31.243 $\pm$ 0.080 χ^2 /NDF: 15092.0/52

All: -31.061 $\pm$ 0.057 χ^2 /NDF: 30297.3/100

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 $\pm$ 0.021 χ^2 /NDF: 1129.7/24

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.9/24

Right Out: 0.120 $\pm$ 0.021 χ^2 /NDF: 2313.6/27

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

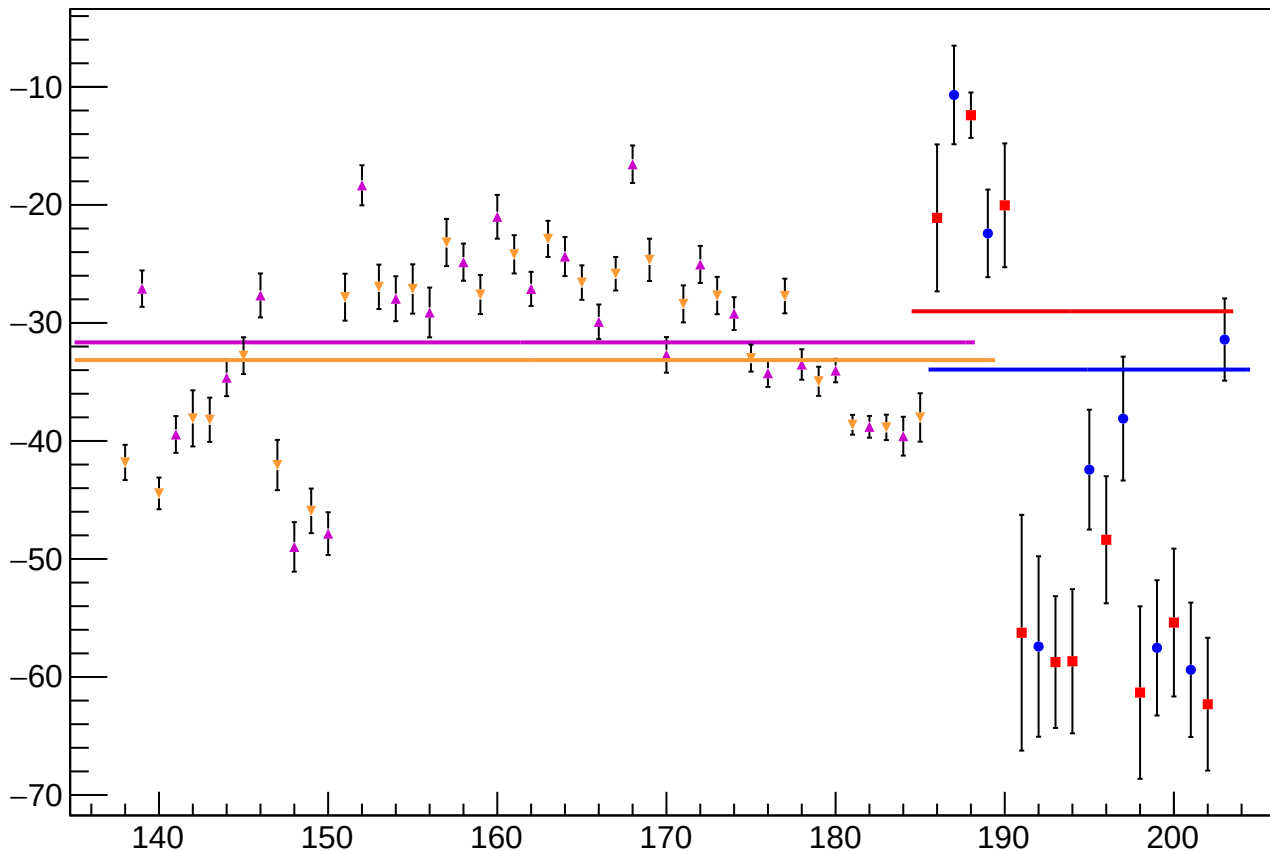
Right: 0.163 $\pm$ 0.015 χ^2 /NDF: 3451.0/52

In: 0.532 $\pm$ 0.004 χ^2 /NDF:2055.8/47

Out: 0.540 $\pm$ 0.004 χ^2 /NDF:3253.9/52

All: 0.536 $\pm$ 0.003 χ^2 /NDF: 5311.9/100

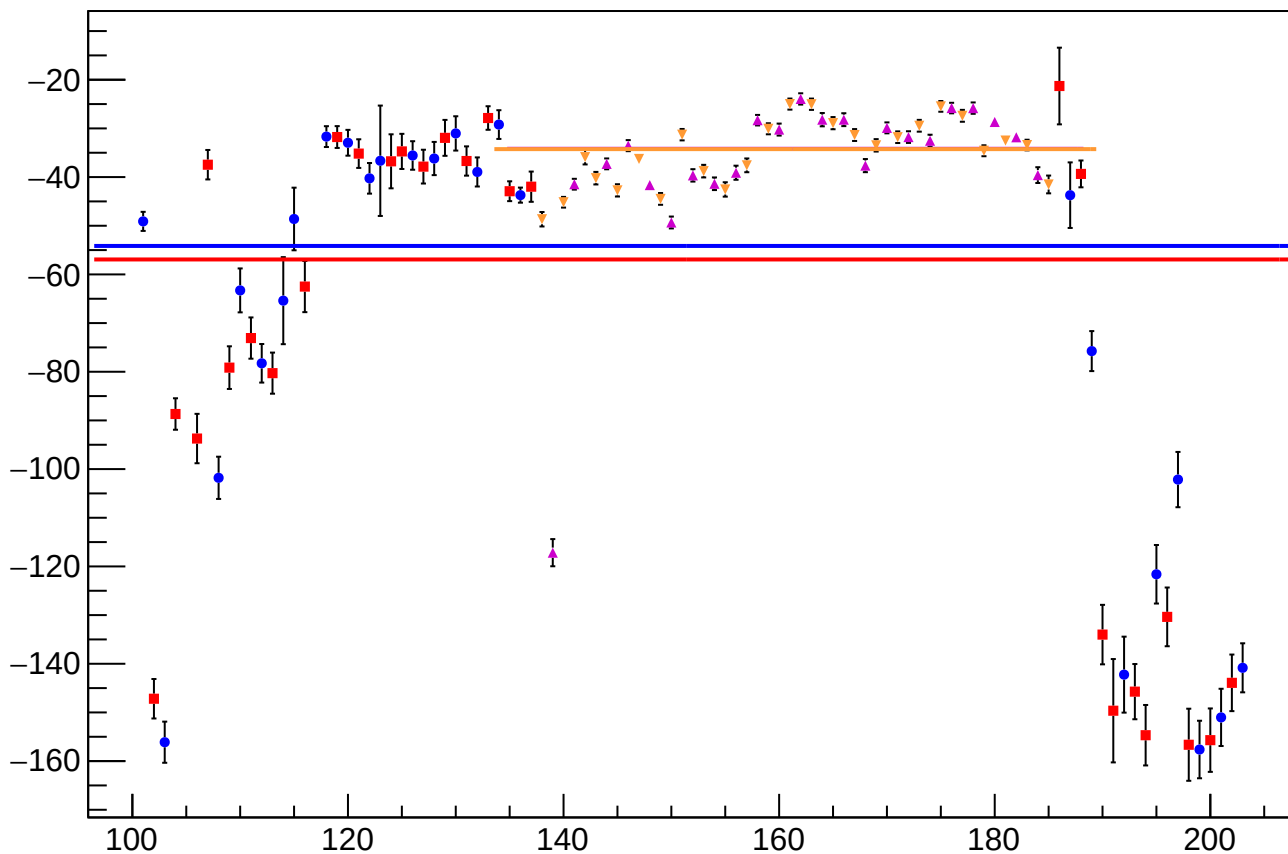
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.952 ± 1.653 χ^2/NDF : 91.0/7
 Left Out: -33.148 ± 0.301 χ^2/NDF : 500.0/24
 Right Out: -29.013 ± 1.398 χ^2/NDF : 223.7/9
 Left In: -31.647 ± 0.308 χ^2/NDF : 546.9/22

Left: -32.414 ± 0.215 χ^2/NDF : 1059.0/47
 Right: -31.073 ± 1.068 χ^2/NDF : 319.9/17
 In: -31.724 ± 0.302 χ^2/NDF : 639.7/30
 Out: -32.965 ± 0.294 χ^2/NDF : 732.0/34
 All: -32.362 ± 0.211 χ^2/NDF : 1380.4/65

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -54.150 ± 0.679 χ^2/NDF : 2430.6/24

Left Out: -34.256 ± 0.242 χ^2/NDF : 693.3/24

Right Out: -56.927 ± 0.698 χ^2/NDF : 2897.5/27

Left In: -34.189 ± 0.250 χ^2/NDF : 1546.1/22

Left: -34.224 ± 0.174 χ^2/NDF : 2239.5/47

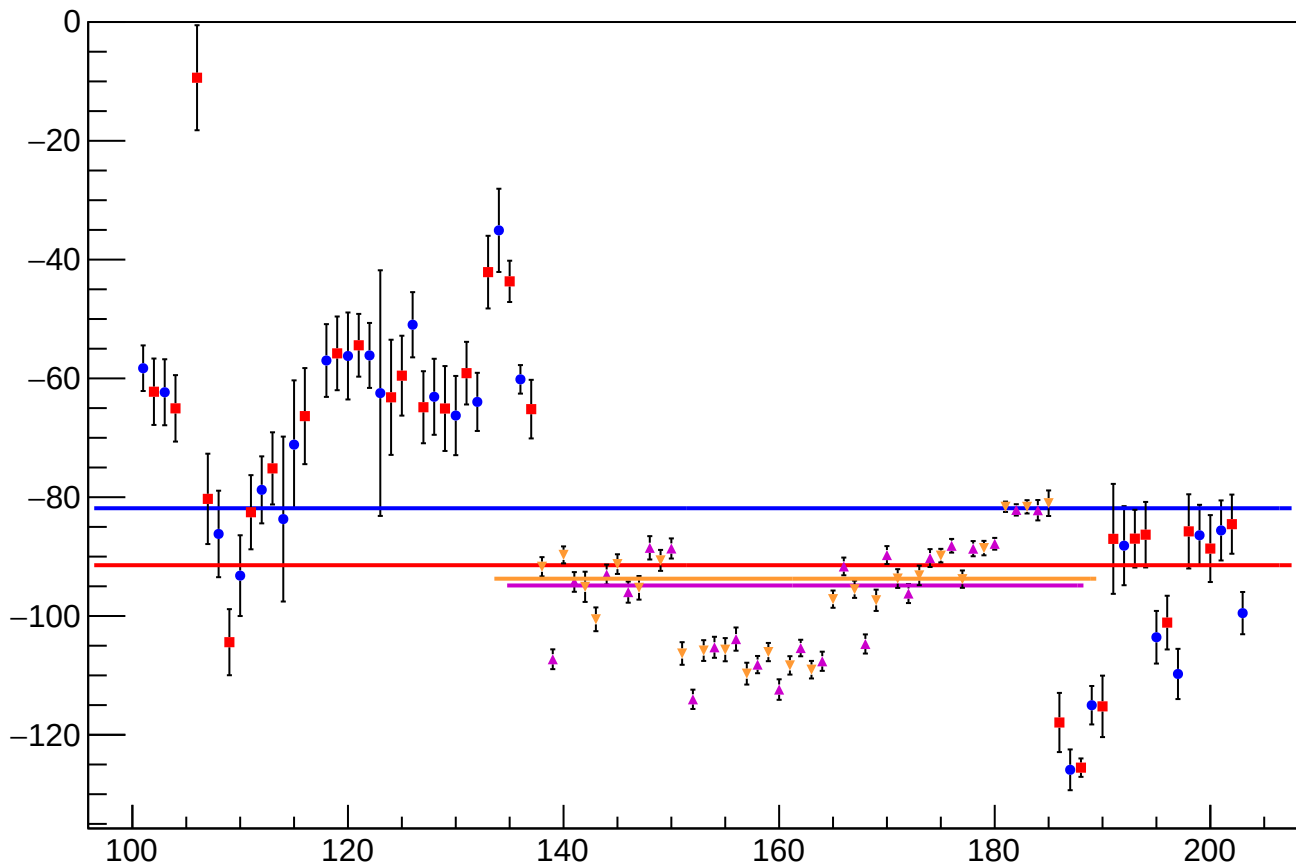
Right: -55.500 ± 0.487 χ^2/NDF : 5336.2/52

In: -36.574 ± 0.235 χ^2/NDF : 4737.2/47

Out: -36.688 ± 0.229 χ^2/NDF : 4531.5/52

All: -36.632 ± 0.164 χ^2/NDF : 9268.7/100

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -81.858 ± 0.977 $\chi^2/\text{NDF}: 655.6/24$

Left Out: -93.719 ± 0.302 $\chi^2/\text{NDF}: 878.2/24$

Right Out: -91.450 ± 0.895 $\chi^2/\text{NDF}: 1170.0/27$

Left In: -94.861 ± 0.307 $\chi^2/\text{NDF}: 985.5/22$

Left: -94.280 ± 0.215 $\chi^2/\text{NDF}: 1870.7/47$

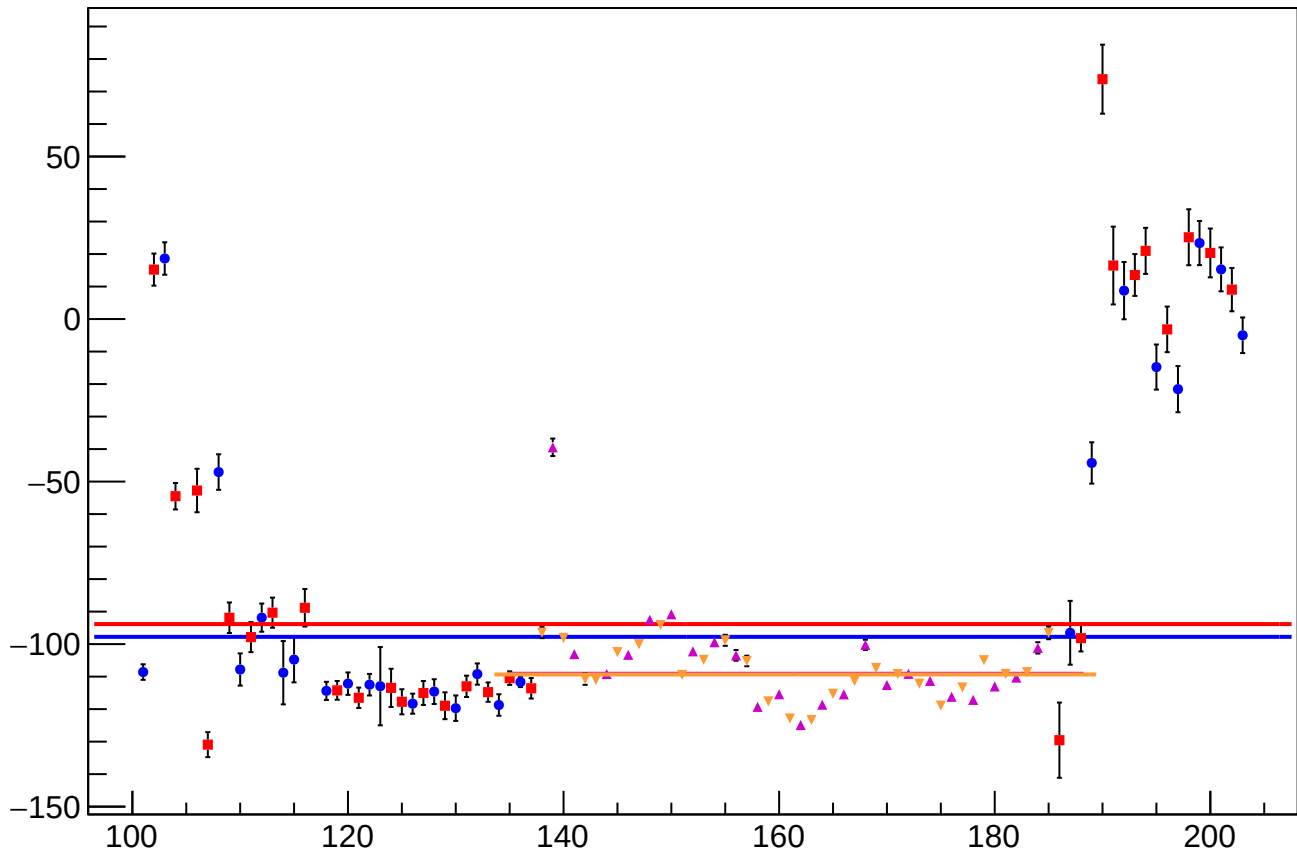
Right: -87.072 ± 0.660 $\chi^2/\text{NDF}: 1878.1/52$

In: -93.689 ± 0.293 $\chi^2/\text{NDF}: 1802.5/47$

Out: -93.486 ± 0.286 $\chi^2/\text{NDF}: 2053.9/52$

All: -93.585 ± 0.205 $\chi^2/\text{NDF}: 3856.6/100$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.767 ± 0.770 $\chi^2/\text{NDF}: 2319.0/24$

Left Out: -109.338 ± 0.272 $\chi^2/\text{NDF}: 826.2/24$

Right Out: -93.841 ± 0.804 $\chi^2/\text{NDF}: 2837.8/27$

Left In: -109.126 ± 0.279 $\chi^2/\text{NDF}: 1578.7/22$

Left: -109.235 ± 0.195 $\chi^2/\text{NDF}: 2405.2/47$

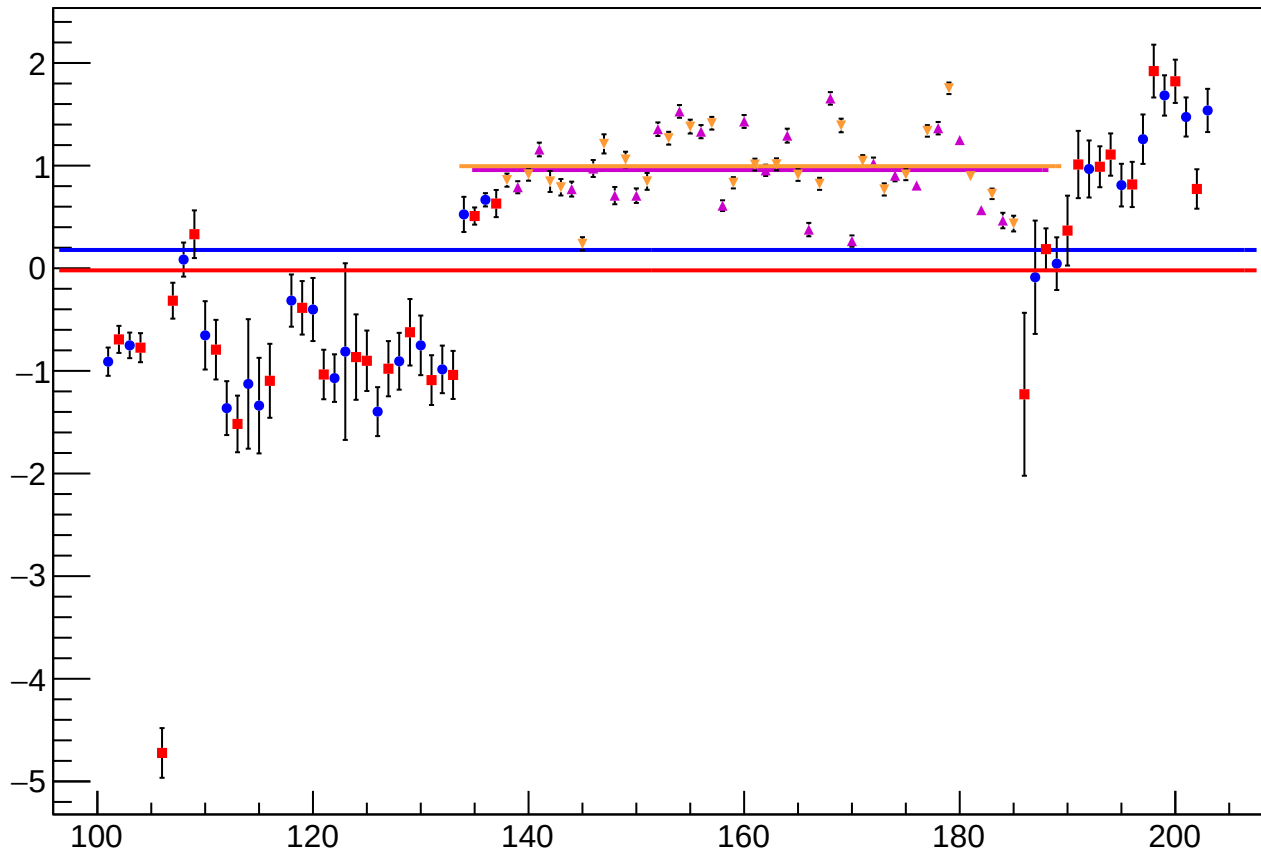
Right: -95.887 ± 0.556 $\chi^2/\text{NDF}: 5169.3/52$

In: -107.808 ± 0.262 $\chi^2/\text{NDF}: 4089.9/47$

Out: -107.748 ± 0.258 $\chi^2/\text{NDF}: 3997.5/52$

All: -107.777 ± 0.184 $\chi^2/\text{NDF}: 8087.5/100$

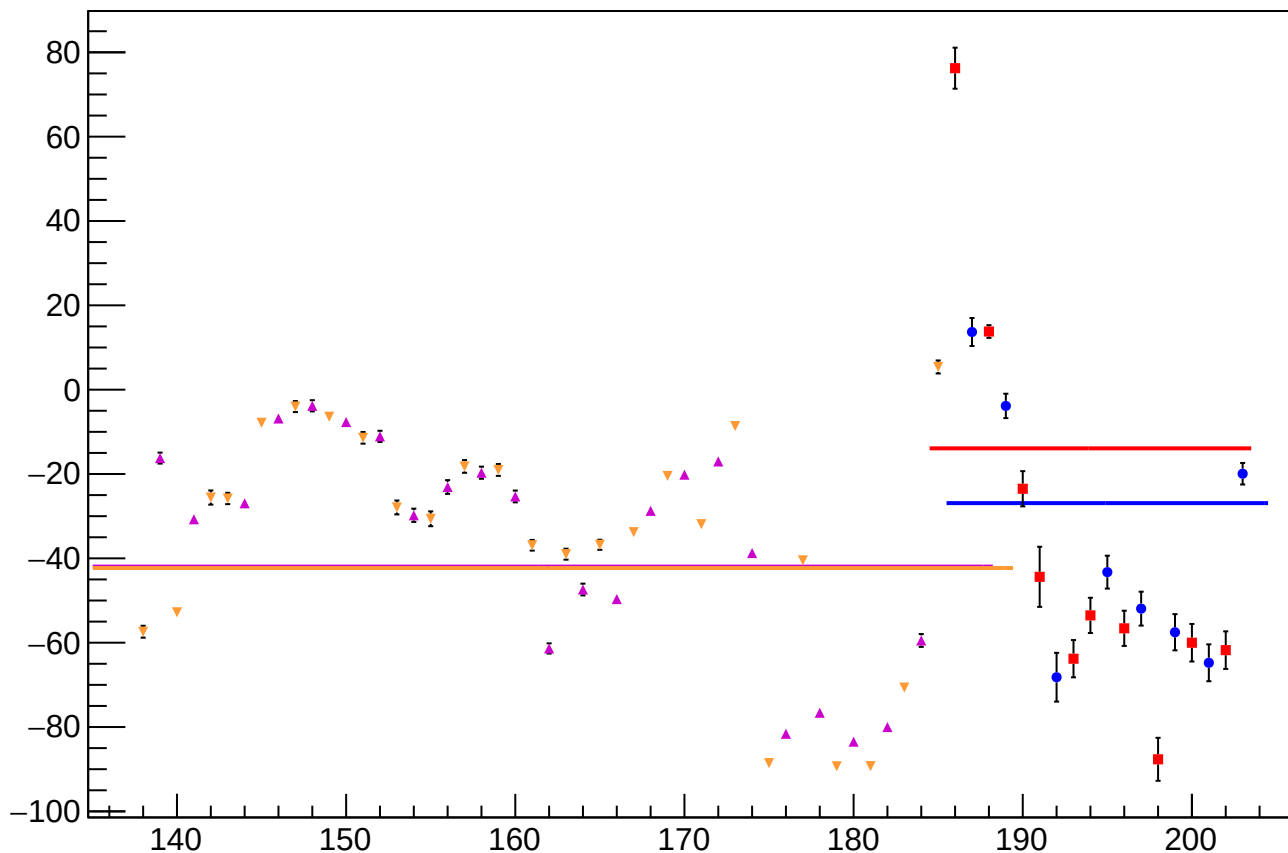
reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.178 ± 0.038 χ^2/NDF : 551.4/24
 Left Out: 0.995 ± 0.012 χ^2/NDF : 635.3/24
 Right Out: -0.020 ± 0.038 χ^2/NDF : 868.3/27
 Left In: 0.957 ± 0.013 χ^2/NDF : 896.5/22

Left: 0.976 ± 0.009 χ^2/NDF : 1536.3/47
 Right: 0.080 ± 0.027 χ^2/NDF : 1433.6/52
 In: 0.878 ± 0.012 χ^2/NDF : 1834.9/47
 Out: 0.896 ± 0.012 χ^2/NDF : 2149.3/52
 All: 0.887 ± 0.008 χ^2/NDF : 3985.4/100

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



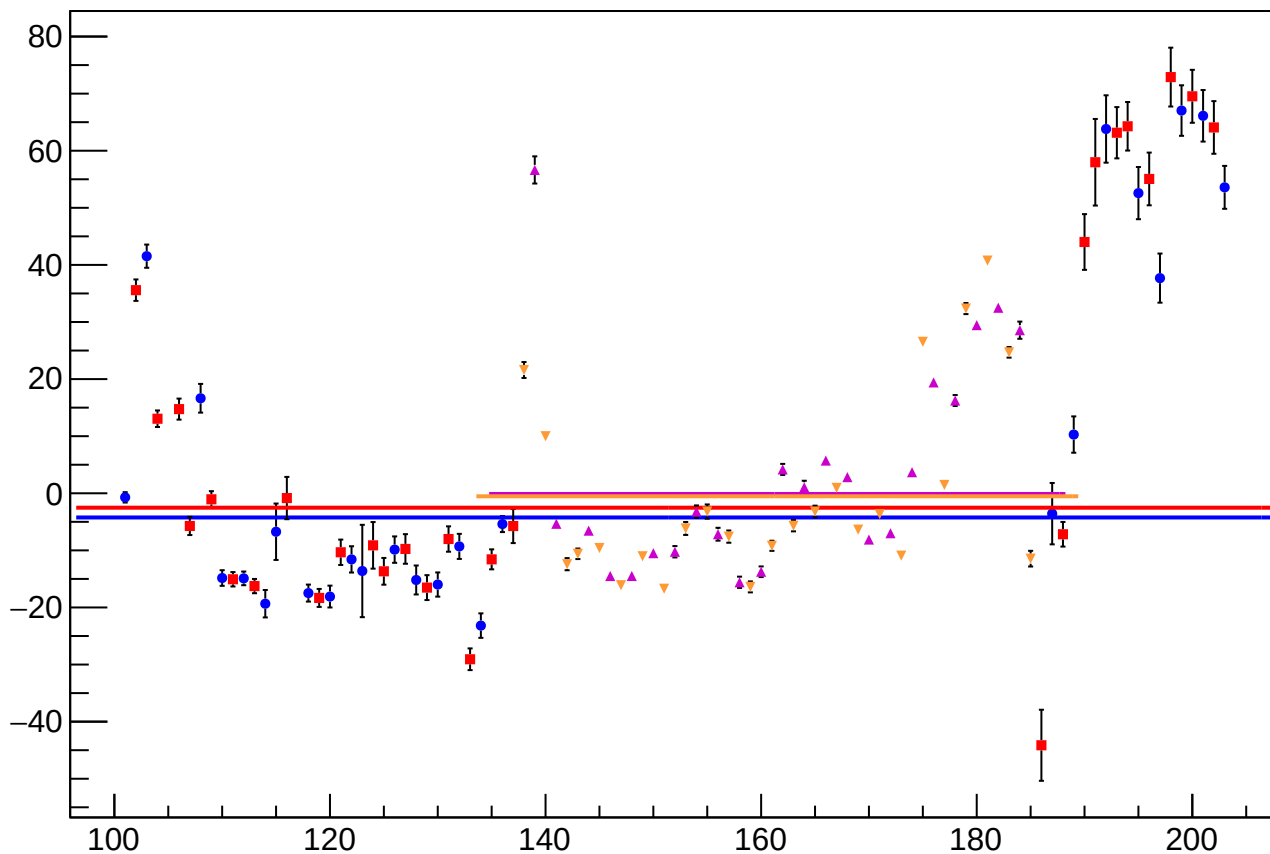
Right In: -26.901 $\pm$ 1.262 χ^2 /NDF: 453.5/7
 Left Out: -42.295 $\pm$ 0.222 χ^2 /NDF:18267.5/24
 Right Out: -13.912 $\pm$ 1.076 χ^2 /NDF: 1457.8/9
 Left In: -41.955 $\pm$ 0.226 χ^2 /NDF:14723.4/22

Left: -42.128 $\pm$ 0.159 χ^2 /NDF: 32992.1/47
 Right: -19.378 $\pm$ 0.819 χ^2 /NDF: 1972.7/17

In: -41.488 $\pm$ 0.222 χ^2 /NDF:15314.8/30
 Out: -41.131 $\pm$ 0.218 χ^2 /NDF:20393.0/34

All: -41.306 $\pm$ 0.156 χ^2 /NDF: 35709.2/65

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

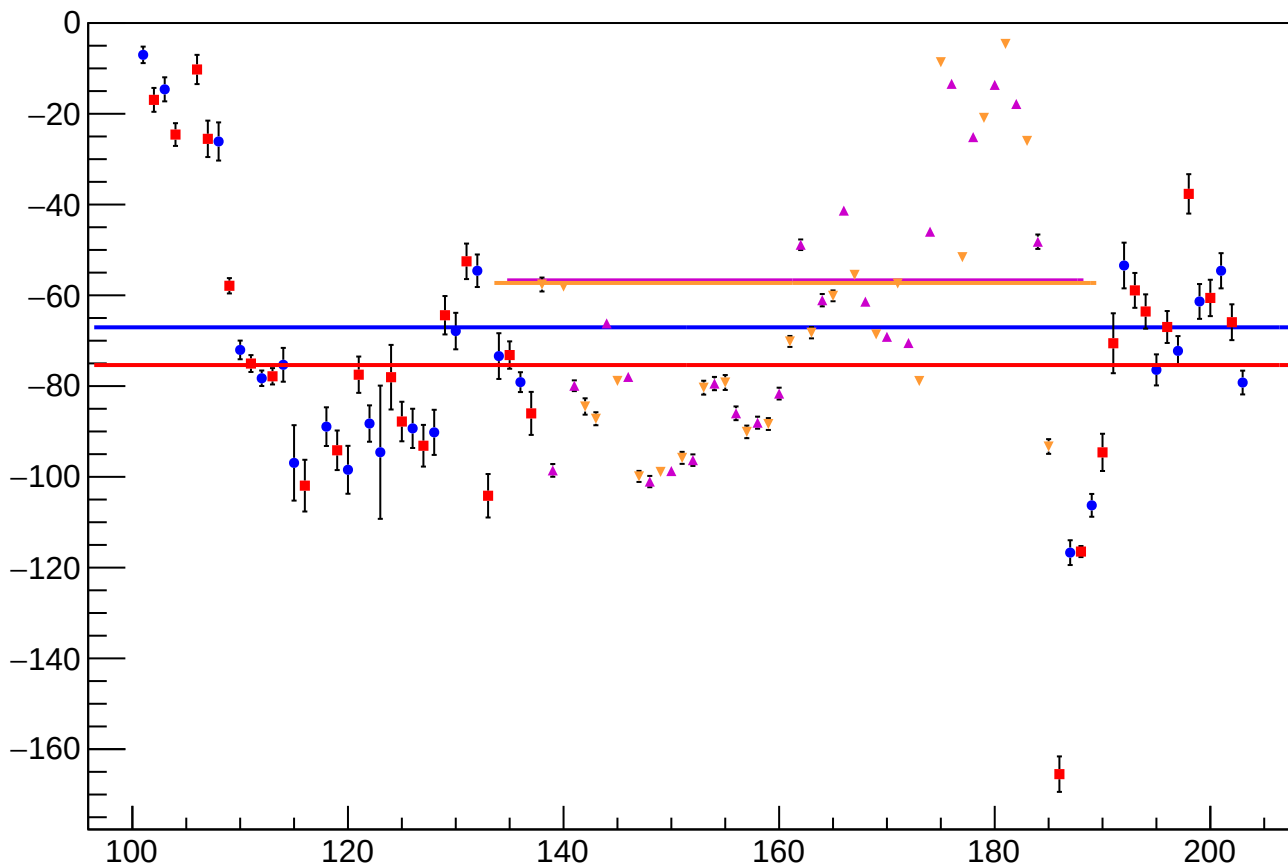


Right In: -4.237 ± 0.411 $\chi^2/\text{NDF}: 2194.9/24$
 Left Out: -0.527 ± 0.175 $\chi^2/\text{NDF}: 8707.9/24$
 Right Out: -2.525 ± 0.409 $\chi^2/\text{NDF}: 2740.0/27$
 Left In: -0.125 ± 0.179 $\chi^2/\text{NDF}: 6925.0/22$

Left: -0.331 ± 0.125 $\chi^2/\text{NDF}: 15635.5/47$
 Right: -3.375 ± 0.290 $\chi^2/\text{NDF}: 4943.7/52$
 In: -0.777 ± 0.164 $\chi^2/\text{NDF}: 9204.1/47$
 Out: -0.836 ± 0.161 $\chi^2/\text{NDF}: 11468.1/52$

All: -0.807 ± 0.115 $\chi^2/\text{NDF}: 20672.3/100$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -67.051 ± 0.620 χ^2/NDF : 2456.6/24

Left Out: -57.276 ± 0.224 χ^2/NDF : 18511.1/24

Right Out: -75.366 ± 0.558 χ^2/NDF : 3544.3/27

Left In: -56.705 ± 0.226 χ^2/NDF : 16547.5/22

Left: -56.993 ± 0.159 χ^2/NDF : 35061.8/47

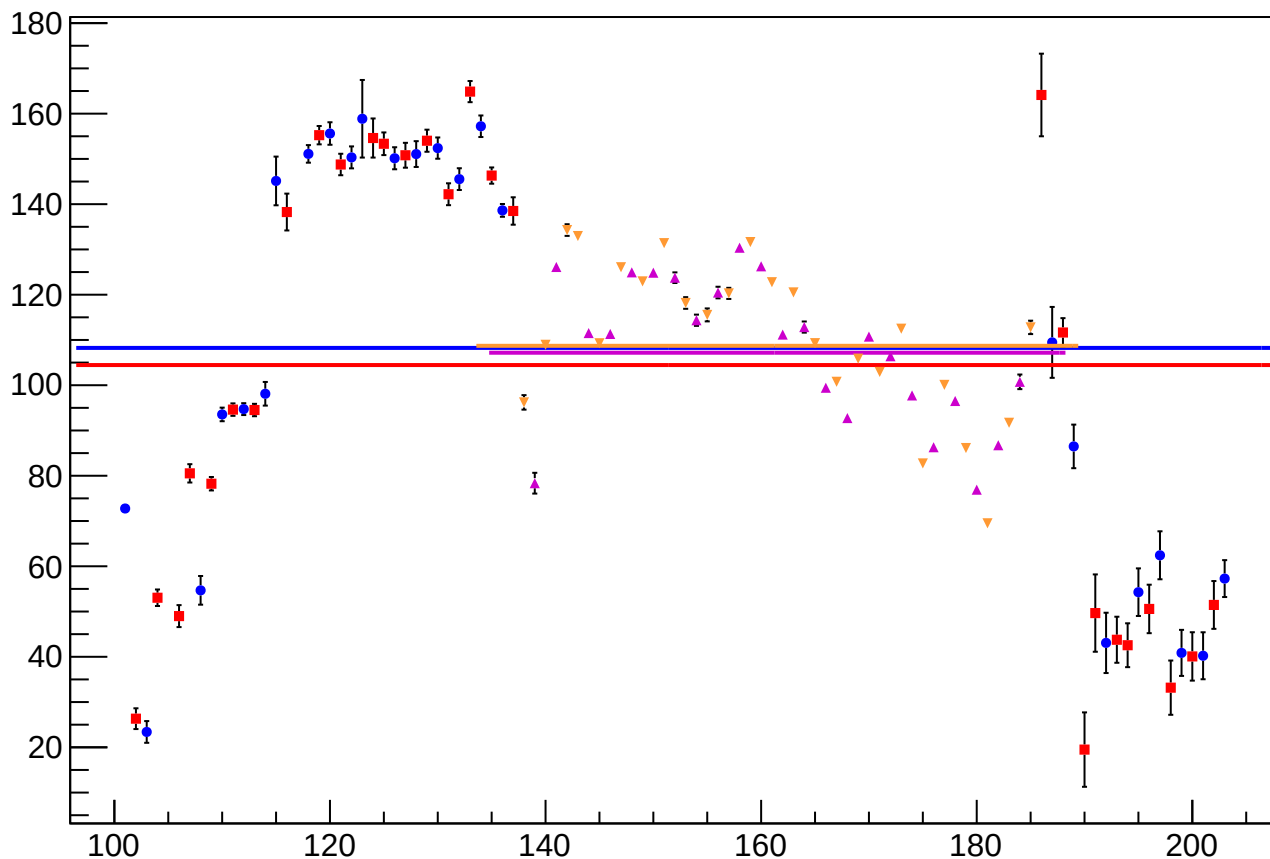
Right: -71.650 ± 0.415 χ^2/NDF : 6100.3/52

In: -57.918 ± 0.212 χ^2/NDF : 19249.8/47

Out: -59.781 ± 0.208 χ^2/NDF : 22962.1/52

All: -58.871 ± 0.148 χ^2/NDF : 42251.3/100

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 108.245 $\pm$ 0.471 χ^2 /NDF: 6806.9/24

Left Out: 108.709 $\pm$ 0.198 χ^2 /NDF: 7297.0/24

Right Out: 104.456 $\pm$ 0.469 χ^2 /NDF: 7862.8/27

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

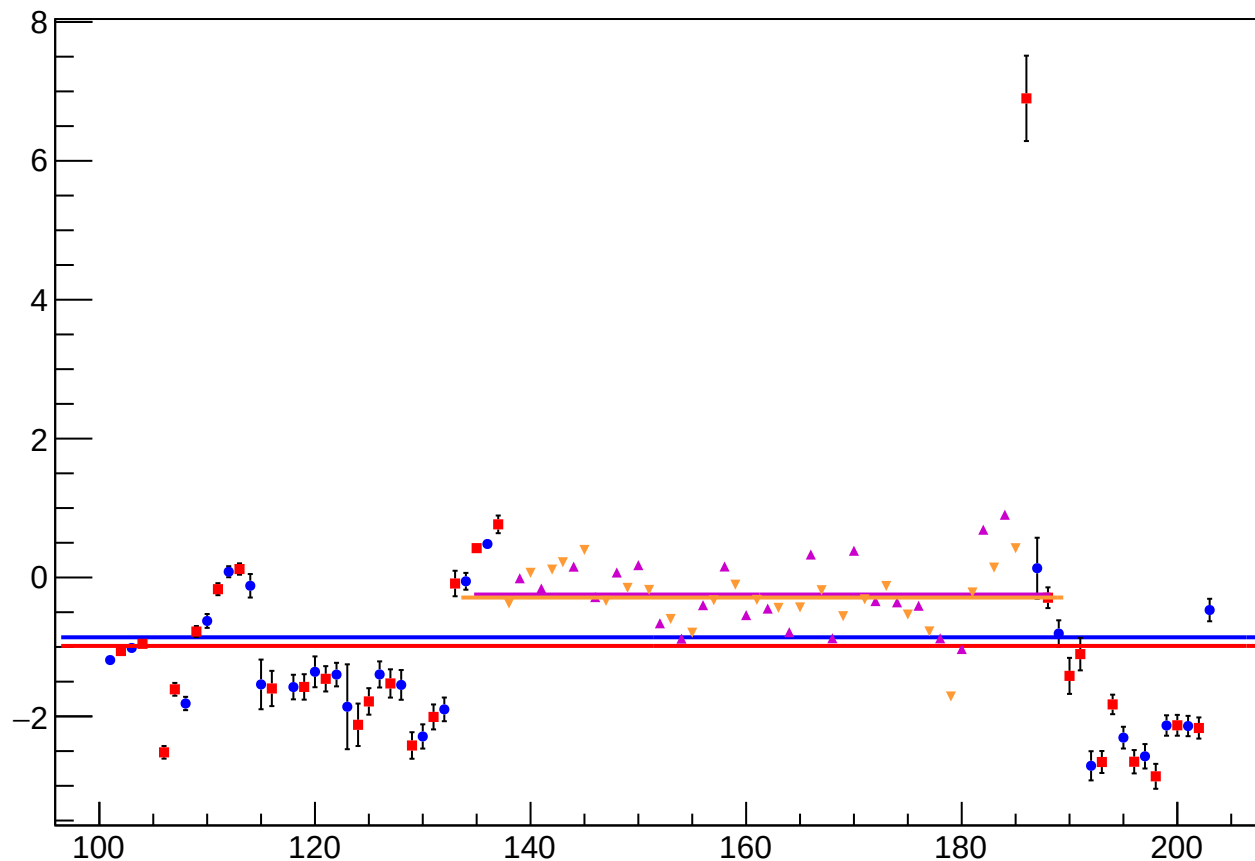
Right: 106.344 $\pm$ 0.332 χ^2 /NDF: 14702.2/52

In: 107.345 $\pm$ 0.185 χ^2 /NDF: 12403.5/47

Out: 108.067 $\pm$ 0.182 χ^2 /NDF: 15229.6/52

All: 107.713 $\pm$ 0.130 χ^2 /NDF: 27640.8/100

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.861 ± 0.024 χ^2/NDF : 1455.1/24

Left Out: -0.289 ± 0.009 χ^2/NDF : 2039.6/24

Right Out: -0.985 ± 0.022 χ^2/NDF : 2022.0/27

Left In: -0.246 ± 0.009 χ^2/NDF : 2804.3/22

Left: -0.267 ± 0.006 χ^2/NDF : 4855.1/47

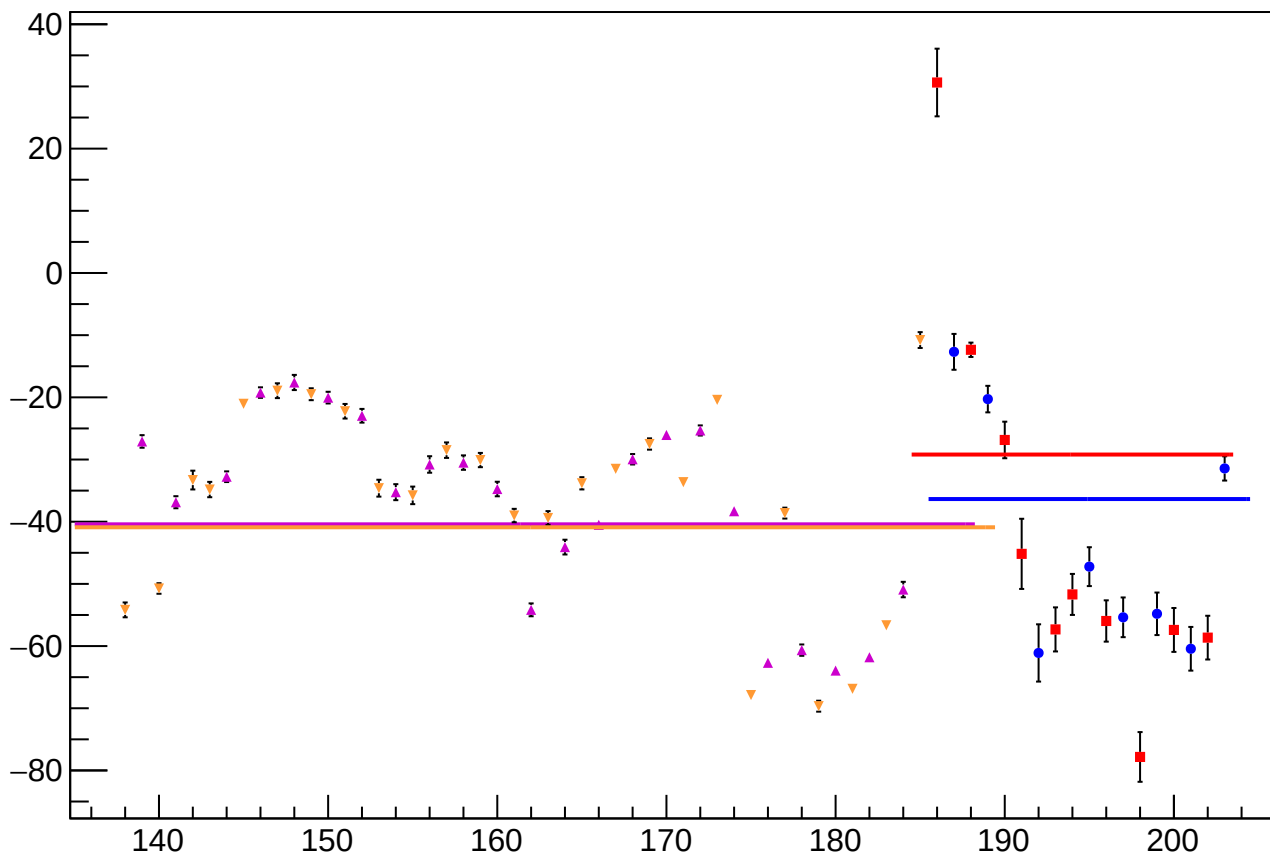
Right: -0.927 ± 0.016 χ^2/NDF : 3491.6/52

In: -0.326 ± 0.009 χ^2/NDF : 4841.2/47

Out: -0.387 ± 0.008 χ^2/NDF : 4892.4/52

All: -0.357 ± 0.006 χ^2/NDF : 9759.8/100

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



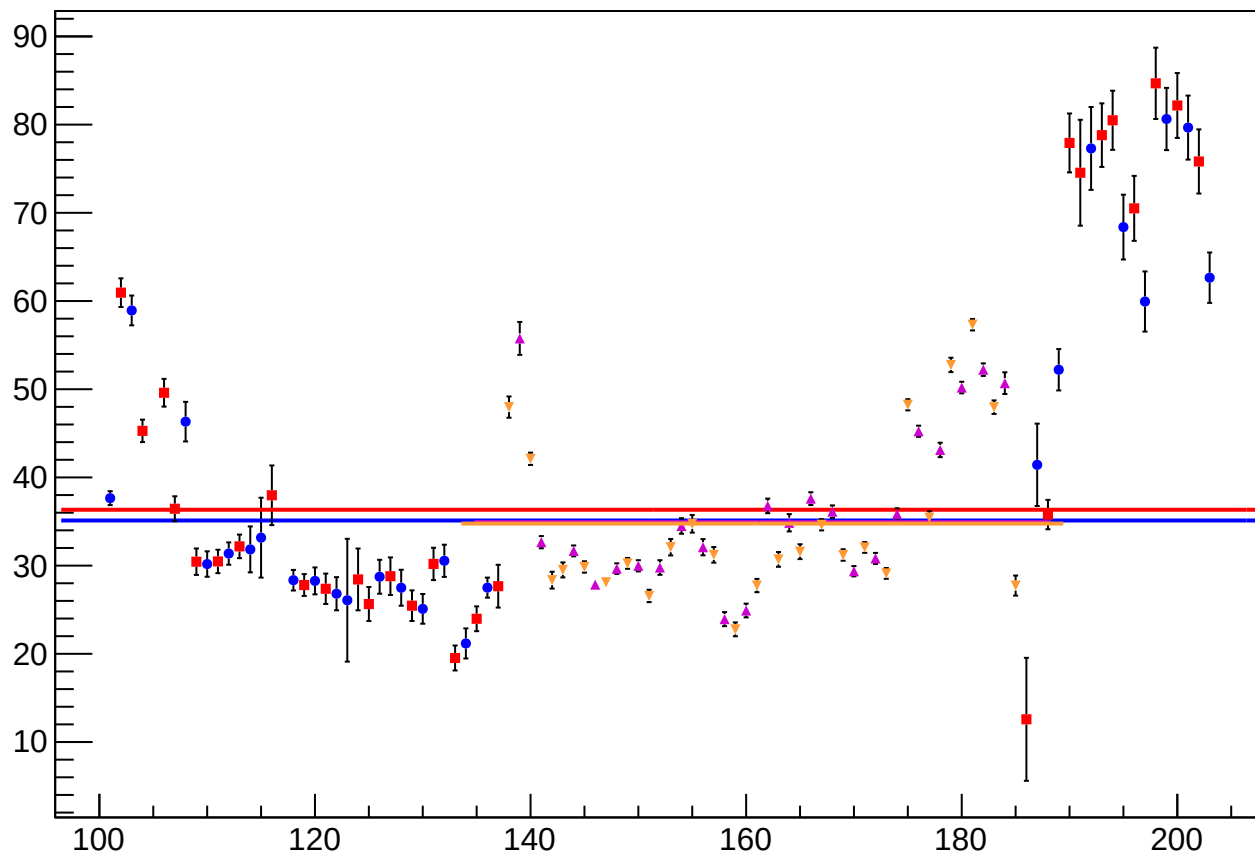
Right In: -36.355 ± 0.992 χ^2/NDF : 283.1/7
 Left Out: -40.897 ± 0.186 χ^2/NDF : 9114.7/24
 Right Out: -29.198 ± 0.840 χ^2/NDF : 798.7/9
 Left In: -40.422 ± 0.189 χ^2/NDF : 7030.2/22

Left: -40.662 ± 0.133 χ^2/NDF : 16148.1/47
 Right: -32.189 ± 0.641 χ^2/NDF : 1112.1/17

In: -40.279 ± 0.186 χ^2/NDF : 7329.5/30
 Out: -40.348 ± 0.182 χ^2/NDF : 10098.1/34

All: -40.314 ± 0.130 χ^2/NDF : 17427.7/65

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 35.116+/-0.356 χ^2/NDF : 1190.1/24

Left Out: 34.768+/-0.148 χ^2/NDF : 3677.3/24

Right Out: 36.335+/-0.356 χ^2/NDF : 1821.5/27

Left In: 34.928+/-0.151 χ^2/NDF : 2688.4/22

Left: 34.846+/-0.106 χ^2/NDF : 6366.3/47

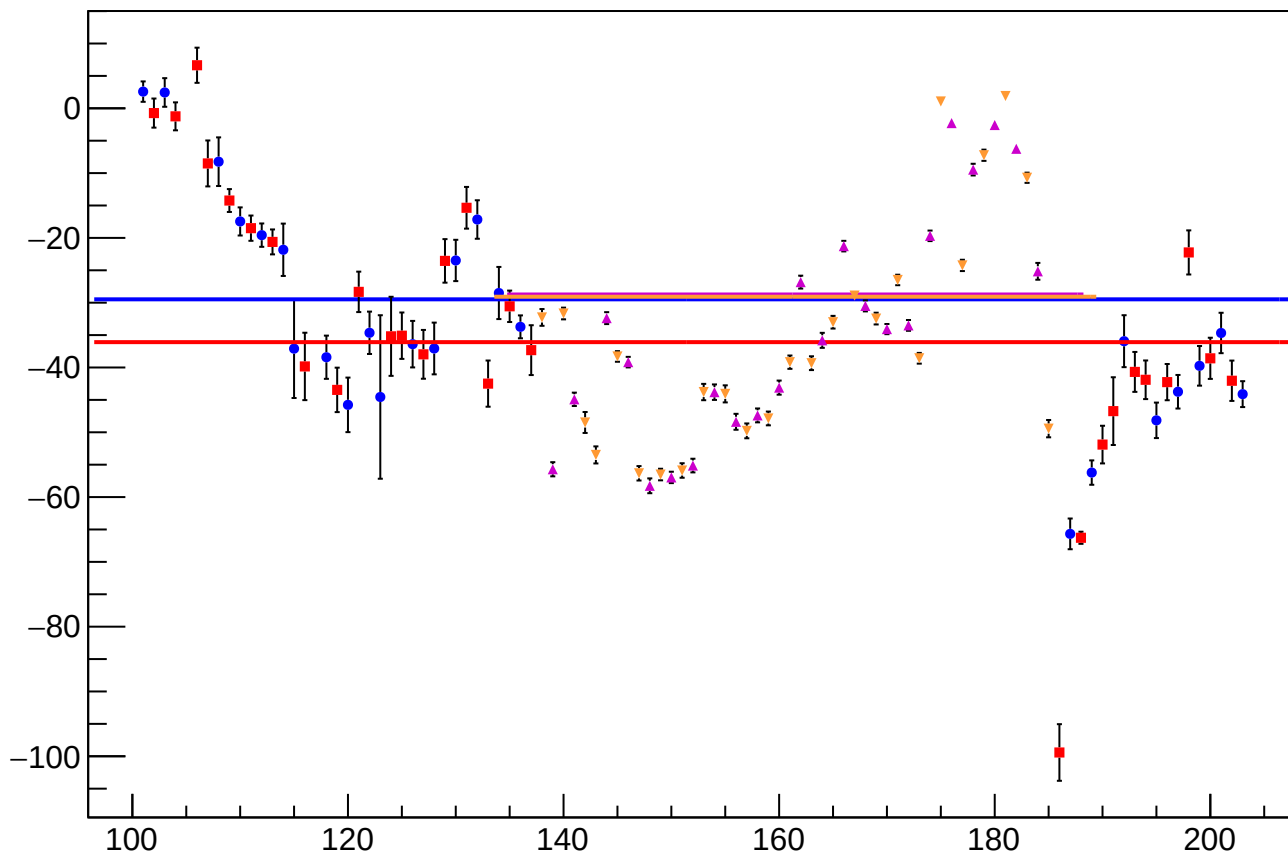
Right: 35.724+/-0.252 χ^2/NDF : 3017.4/52

In: 34.957+/-0.139 χ^2/NDF : 3878.7/47

Out: 34.998+/-0.136 χ^2/NDF : 5515.3/52

All: 34.978+/-0.097 χ^2/NDF : 9394.1/100

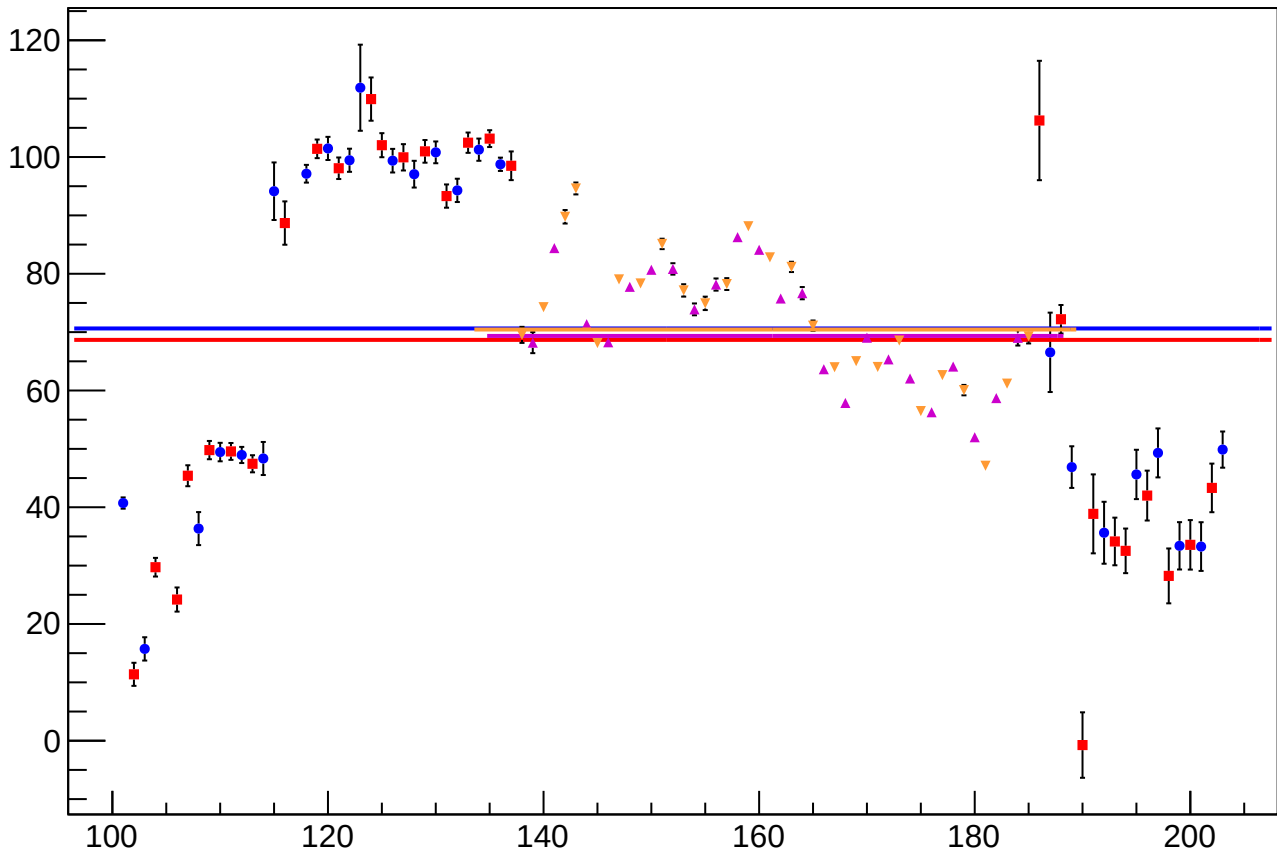
reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -29.481 ± 0.533 $\chi^2/\text{NDF}: 1363.2/24$
 Left Out: -29.080 ± 0.187 $\chi^2/\text{NDF}: 10059.5/24$
 Right Out: -36.088 ± 0.478 $\chi^2/\text{NDF}: 2512.1/27$
 Left In: -28.735 ± 0.189 $\chi^2/\text{NDF}: 9155.5/22$

Left: -28.909 ± 0.133 $\chi^2/\text{NDF}: 19216.6/47$
 Right: -33.139 ± 0.356 $\chi^2/\text{NDF}: 3960.5/52$
 In: -28.819 ± 0.178 $\chi^2/\text{NDF}: 10520.5/47$
 Out: -30.012 ± 0.174 $\chi^2/\text{NDF}: 12757.7/52$
 All: -29.428 ± 0.125 $\chi^2/\text{NDF}: 23301.1/100$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 70.631 $\pm$ 0.409 χ^2 /NDF: 5124.2/24

Left Out: 70.450 $\pm$ 0.167 χ^2 /NDF:4484.7/24

Right Out: 68.672 $\pm$ 0.413 χ^2 /NDF: 5969.8/27

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

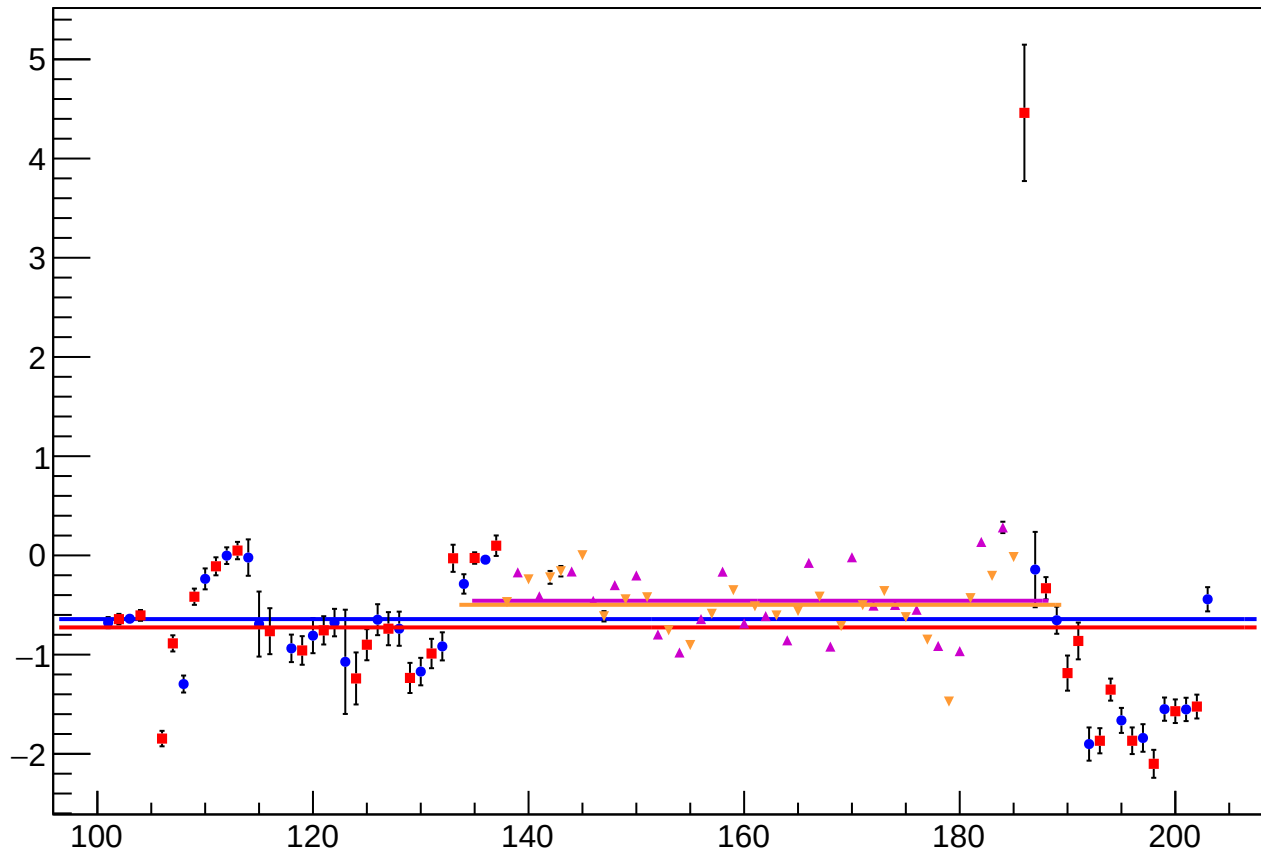
Right: 69.661 $\pm$ 0.290 χ^2 /NDF: 11105.3/52

In: 69.539 $\pm$ 0.157 χ^2 /NDF:8463.3/47

Out: 70.201 $\pm$ 0.154 χ^2 /NDF:10470.4/52

All: 69.874 $\pm$ 0.110 χ^2 /NDF: 18942.7/100

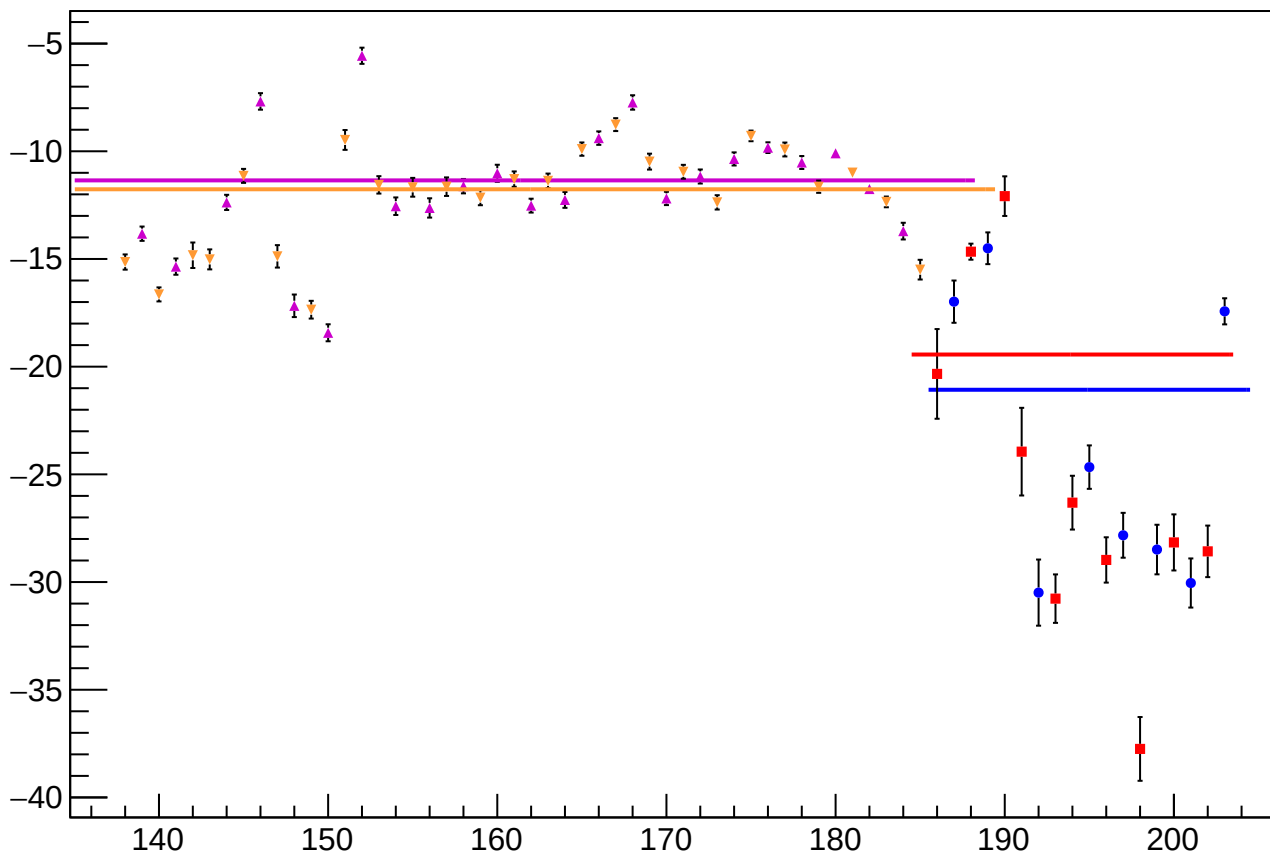
reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.642 +/- 0.020 χ^2/NDF : 665.3/24
 Left Out: -0.498 +/- 0.008 χ^2/NDF : 1440.7/24
 Right Out: -0.726 +/- 0.019 χ^2/NDF : 1067.5/27
 Left In: -0.457 +/- 0.008 χ^2/NDF : 1975.2/22

Left: -0.478 +/- 0.005 χ^2/NDF : 3430.2/47
 Right: -0.686 +/- 0.014 χ^2/NDF : 1741.7/52
 In: -0.480 +/- 0.007 χ^2/NDF : 2713.3/47
 Out: -0.529 +/- 0.007 χ^2/NDF : 2628.9/52
 All: -0.505 +/- 0.005 χ^2/NDF : 5365.0/100

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



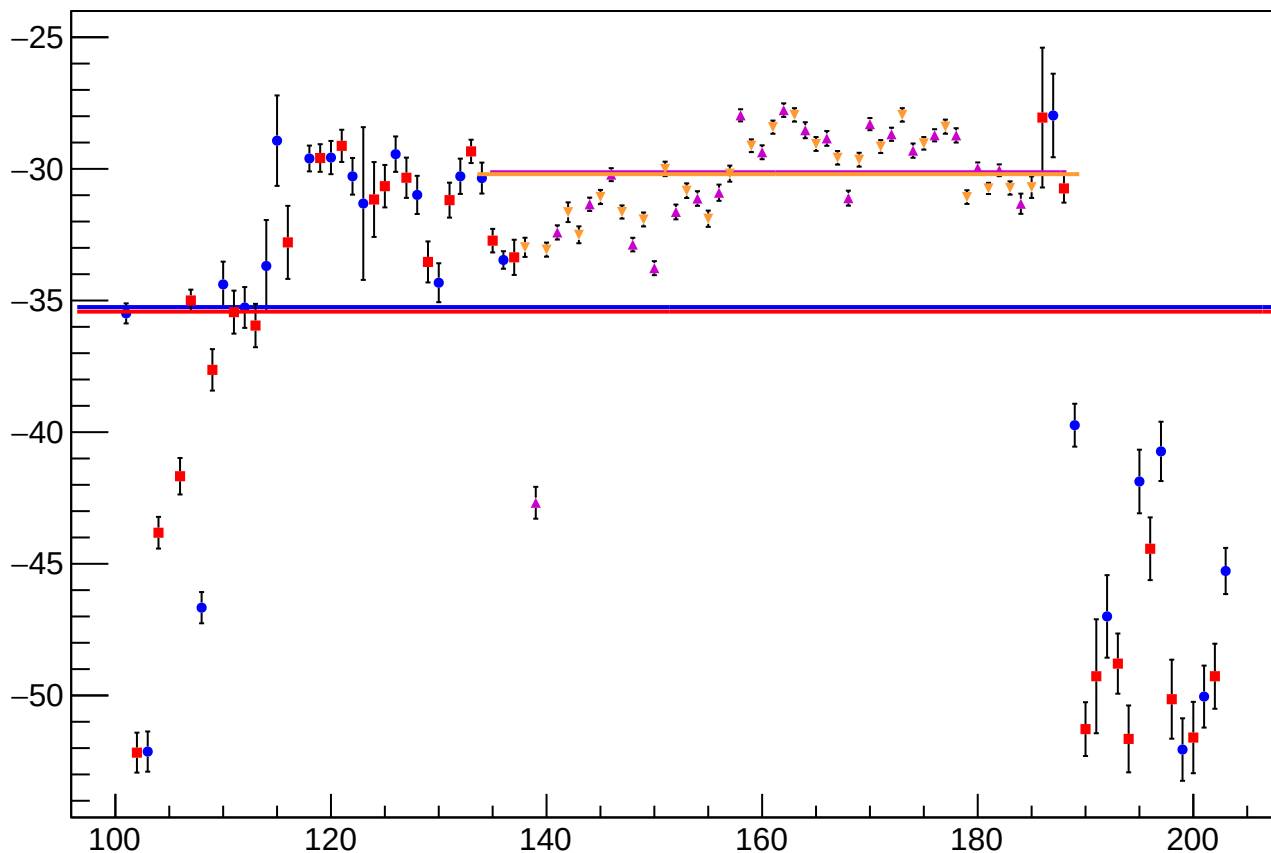
Right In: -21.072 ± 0.325 $\chi^2/\text{NDF}: 328.7/7$
 Left Out: -11.764 ± 0.067 $\chi^2/\text{NDF}: 1025.9/24$
 Right Out: -19.436 ± 0.278 $\chi^2/\text{NDF}: 703.7/9$
 Left In: -11.352 ± 0.068 $\chi^2/\text{NDF}: 1280.6/22$

Left: -11.561 ± 0.048 $\chi^2/\text{NDF}: 2325.4/47$
 Right: -20.127 ± 0.211 $\chi^2/\text{NDF}: 1047.1/17$

In: -11.755 ± 0.066 $\chi^2/\text{NDF}: 2465.8/30$
 Out: -12.183 ± 0.065 $\chi^2/\text{NDF}: 2450.2/34$

All: -11.974 ± 0.046 $\chi^2/\text{NDF}: 4937.2/65$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -35.248 ± 0.141 χ^2/NDF : 2055.3/24

Left Out: -30.201 ± 0.054 χ^2/NDF : 725.7/24

Right Out: -35.422 ± 0.138 χ^2/NDF : 2460.7/27

Left In: -30.128 ± 0.055 χ^2/NDF : 1290.4/22

Left: -30.165 ± 0.039 χ^2/NDF : 2017.0/47

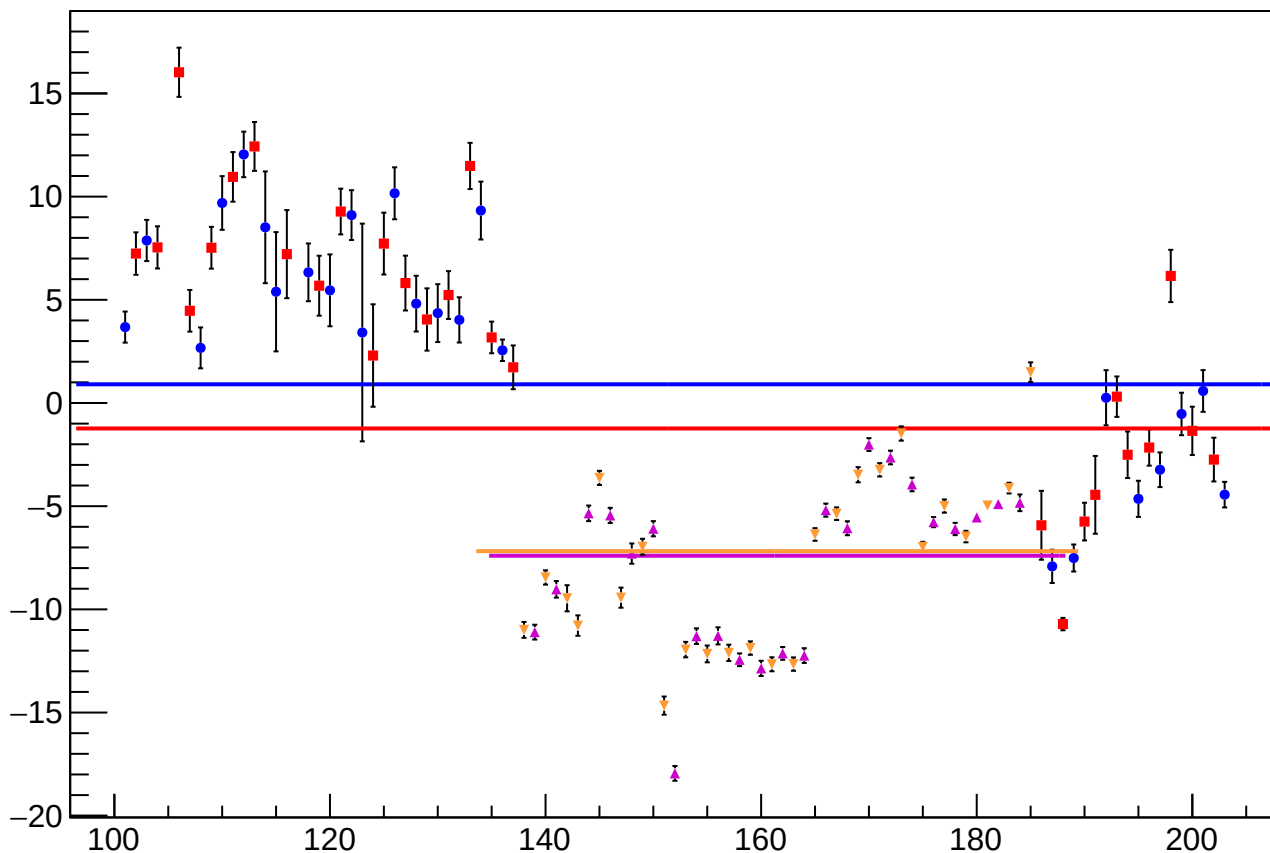
Right: -35.337 ± 0.099 χ^2/NDF : 4516.8/52

In: -30.815 ± 0.052 χ^2/NDF : 4493.4/47

Out: -30.891 ± 0.050 χ^2/NDF : 4424.2/52

All: -30.854 ± 0.036 χ^2/NDF : 8918.7/100

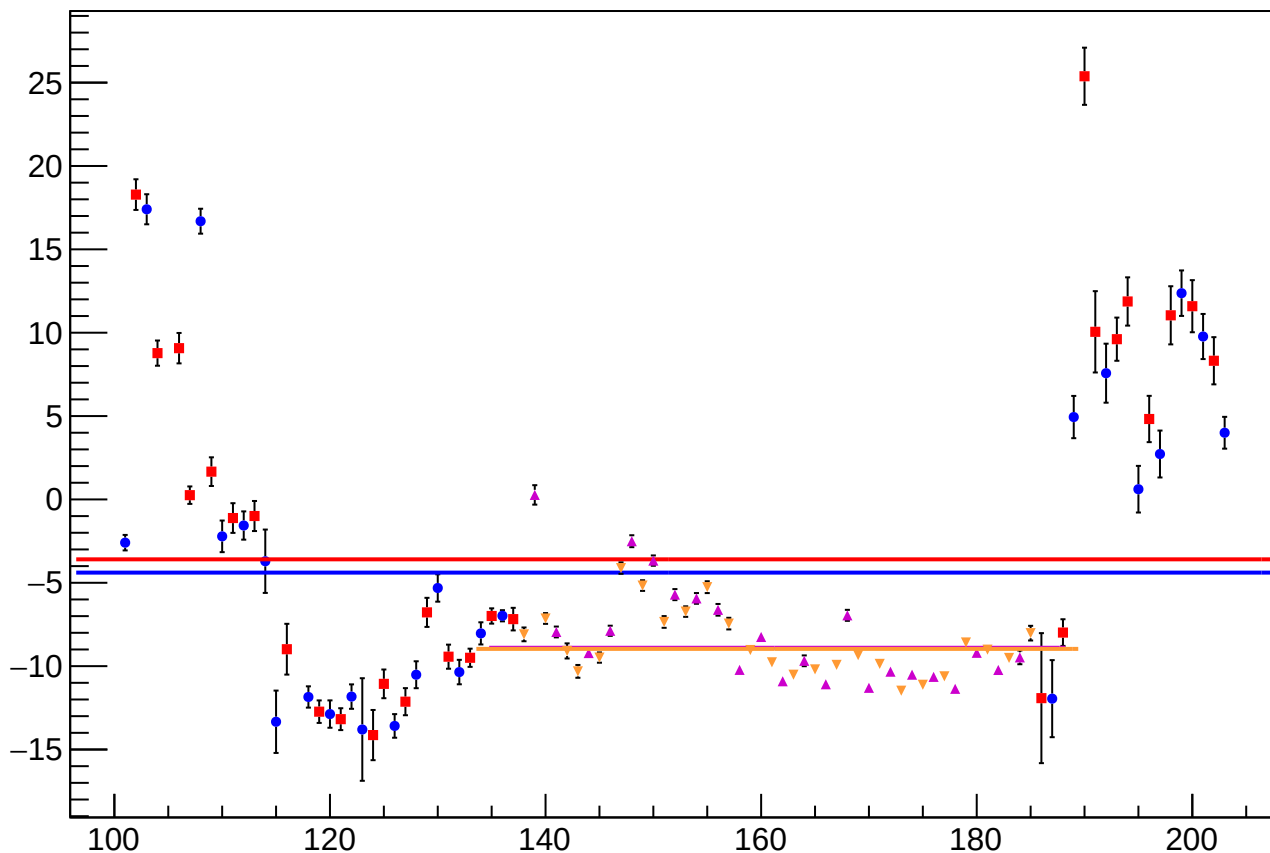
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.906 ± 0.198 $\chi^2/\text{NDF}: 840.8/24$
 Left Out: -7.180 ± 0.067 $\chi^2/\text{NDF}: 3015.8/24$
 Right Out: -1.234 ± 0.178 $\chi^2/\text{NDF}: 2174.3/27$
 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: -0.278 ± 0.132 $\chi^2/\text{NDF}: 3079.6/52$
 In: -6.536 ± 0.064 $\chi^2/\text{NDF}: 5548.5/47$
 Out: -6.444 ± 0.063 $\chi^2/\text{NDF}: 6166.3/52$
 All: -6.489 ± 0.045 $\chi^2/\text{NDF}: 11715.9/100$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.390 ± 0.160 χ^2/NDF : 2658.9/24

Left Out: -8.965 ± 0.060 χ^2/NDF : 876.6/24

Right Out: -3.593 ± 0.161 χ^2/NDF : 2898.7/27

Left In: -8.898 ± 0.061 χ^2/NDF : 1584.0/22

Left: -8.932 ± 0.043 χ^2/NDF : 2461.2/47

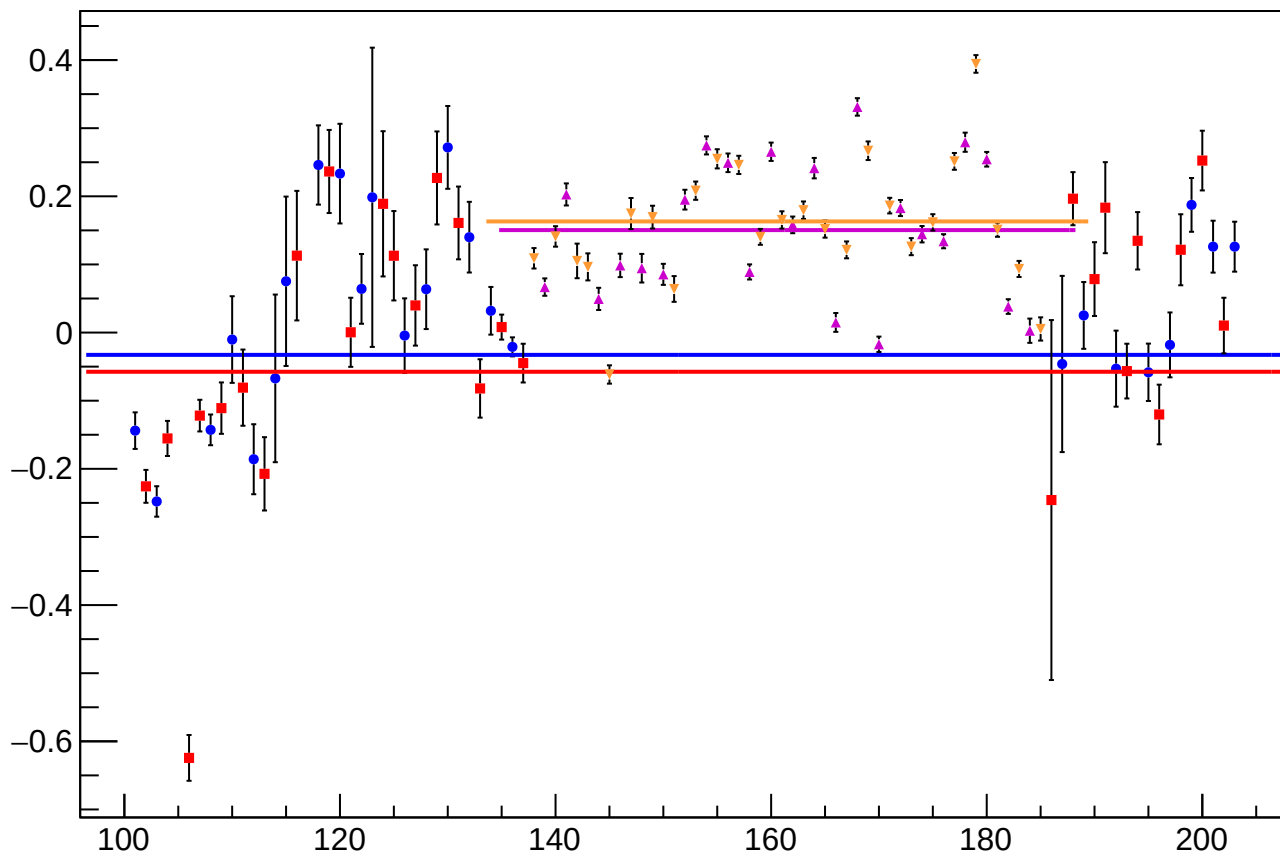
Right: -3.995 ± 0.114 χ^2/NDF : 5569.9/52

In: -8.319 ± 0.057 χ^2/NDF : 4933.2/47

Out: -8.308 ± 0.056 χ^2/NDF : 4747.3/52

All: -8.313 ± 0.040 χ^2/NDF : 9680.5/100

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.033 ± 0.007 χ^2/NDF : 296.9/24

Left Out: 0.163 ± 0.003 χ^2/NDF : 1011.4/24

Right Out: -0.058 ± 0.007 χ^2/NDF : 604.6/27

Left In: 0.150 ± 0.003 χ^2/NDF : 1296.5/22

Left: 0.157 ± 0.002 χ^2/NDF : 2318.7/47

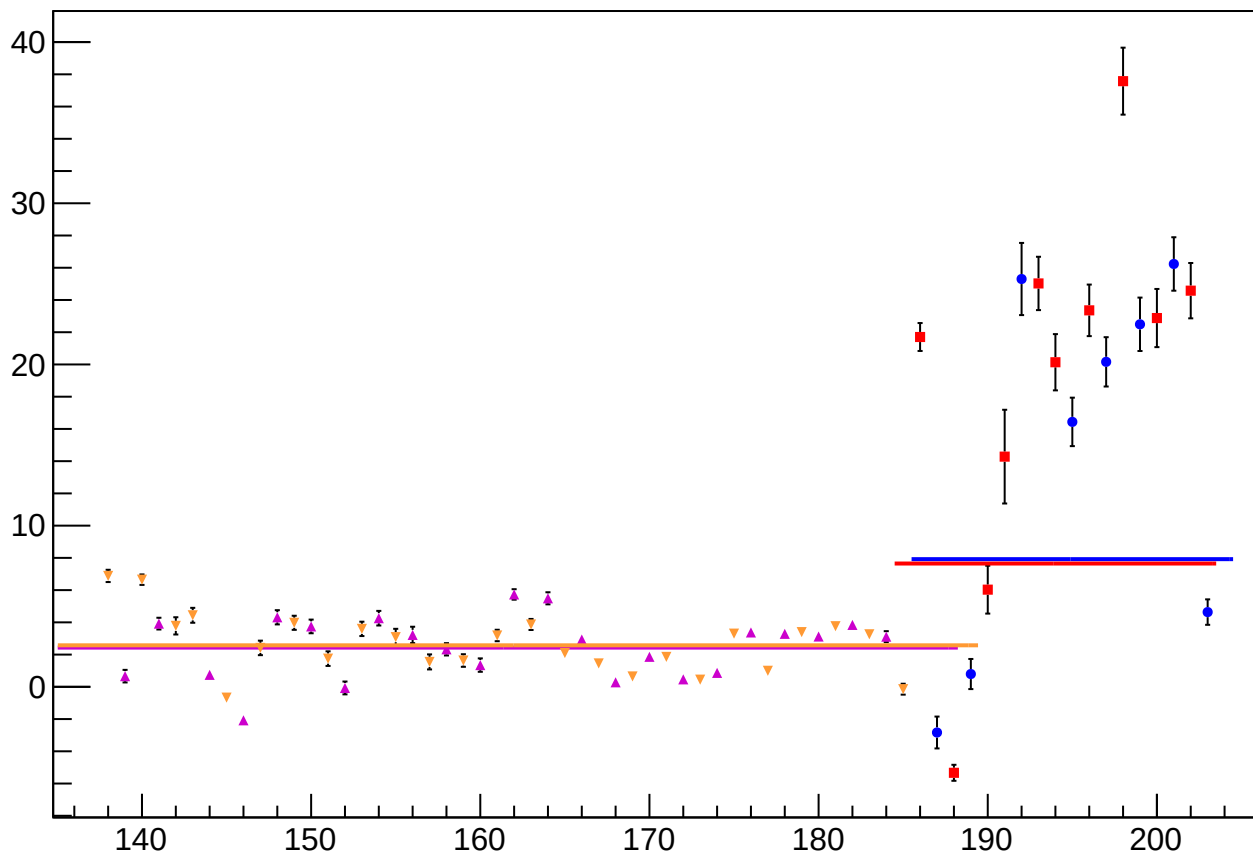
Right: -0.045 ± 0.005 χ^2/NDF : 907.1/52

In: 0.128 ± 0.003 χ^2/NDF : 2126.9/47

Out: 0.136 ± 0.003 χ^2/NDF : 2406.1/52

All: 0.132 ± 0.002 χ^2/NDF : 4538.0/100

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 7.921 ± 0.424 $\chi^2/\text{NDF}: 549.6/7$

Left Out: 2.575 ± 0.058 $\chi^2/\text{NDF}: 868.1/24$

Right Out: 7.650 ± 0.355 $\chi^2/\text{NDF}: 1587.6/9$

Left In: 2.433 ± 0.059 $\chi^2/\text{NDF}: 882.9/22$

Left: 2.505 ± 0.042 $\chi^2/\text{NDF}: 1754.0/47$

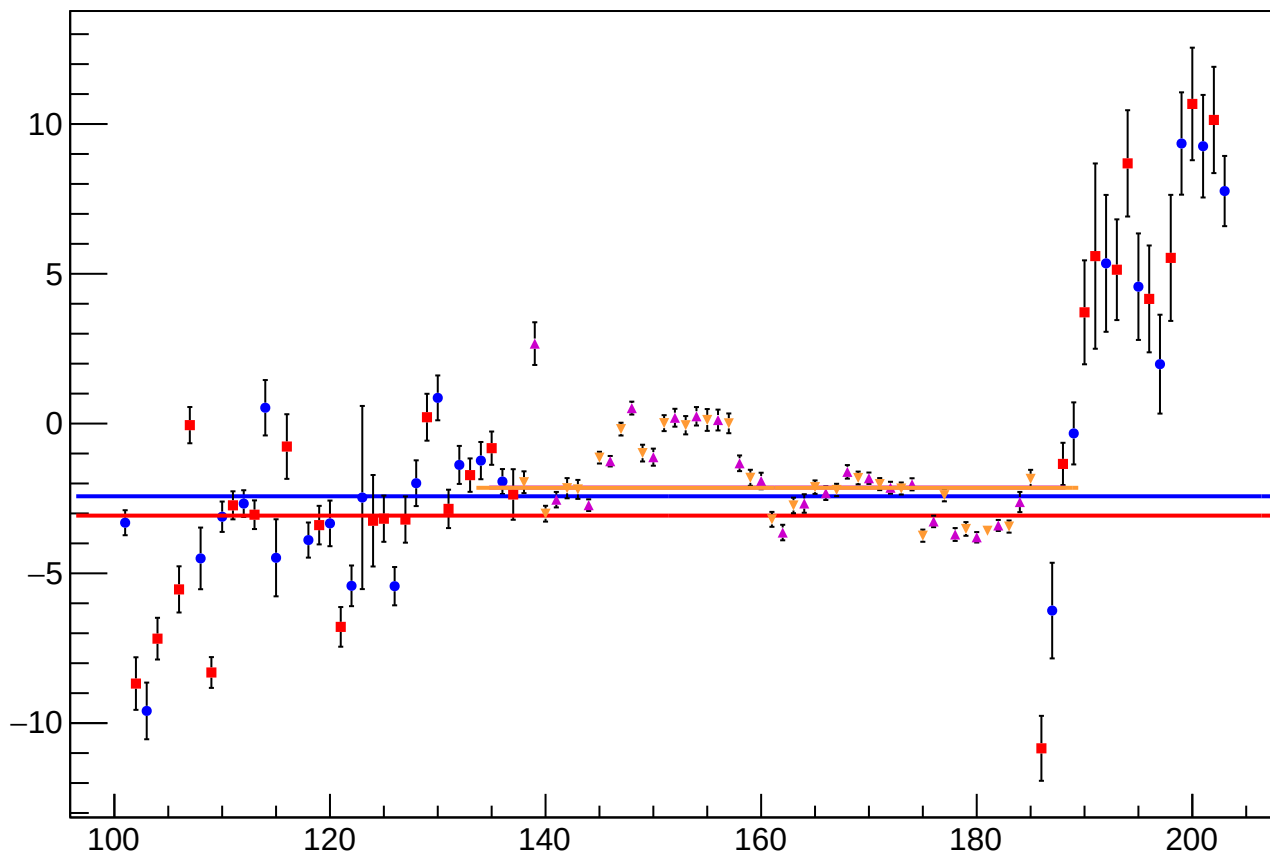
Right: 7.761 ± 0.272 $\chi^2/\text{NDF}: 2137.4/17$

In: 2.538 ± 0.059 $\chi^2/\text{NDF}: 1597.0/30$

Out: 2.709 ± 0.058 $\chi^2/\text{NDF}: 2654.4/34$

All: 2.625 ± 0.041 $\chi^2/\text{NDF}: 4255.7/65$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.428 ± 0.148 $\chi^2/\text{NDF}: 370.9/24$

Left Out: -2.145 ± 0.048 $\chi^2/\text{NDF}: 572.6/24$

Right Out: -3.073 ± 0.146 $\chi^2/\text{NDF}: 582.5/27$

Left In: -2.137 ± 0.048 $\chi^2/\text{NDF}: 693.6/22$

Left: -2.141 ± 0.034 $\chi^2/\text{NDF}: 1266.1/47$

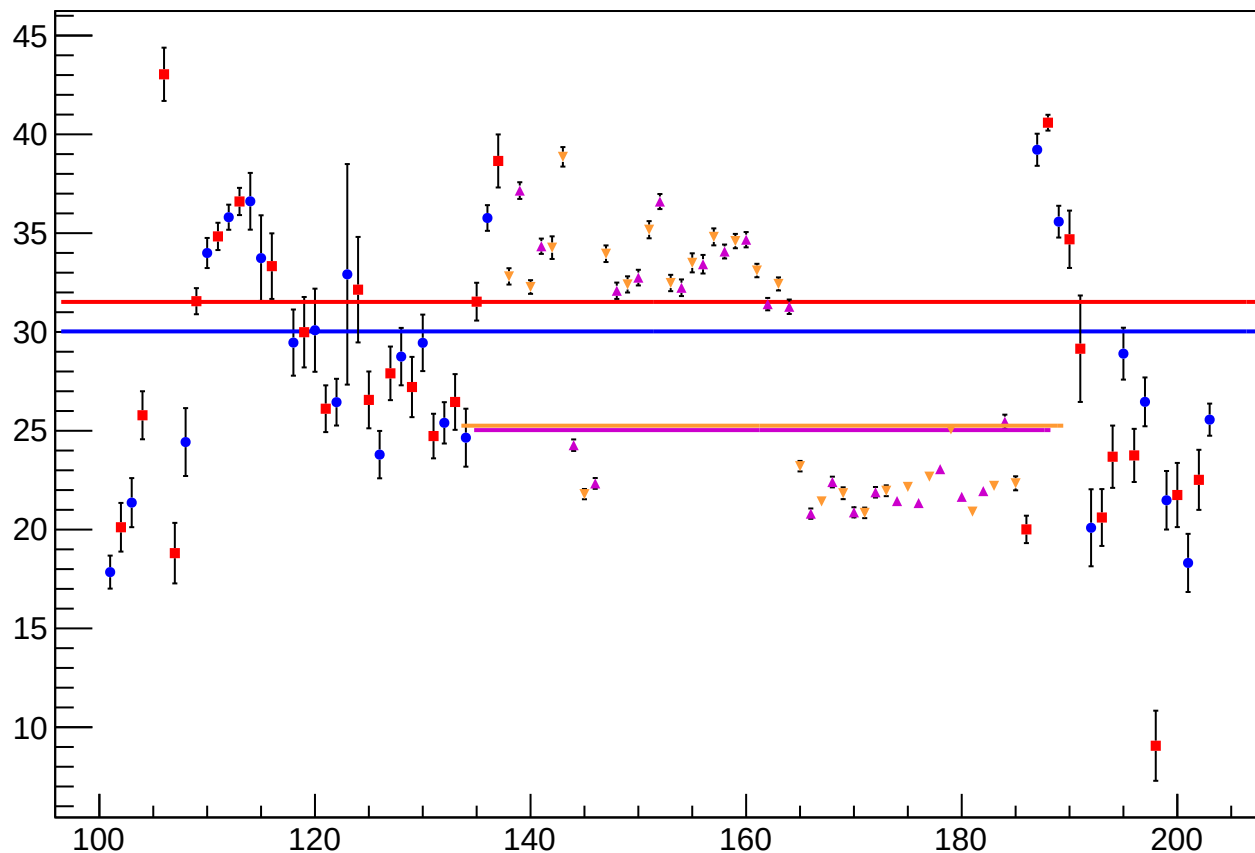
Right: -2.754 ± 0.104 $\chi^2/\text{NDF}: 963.1/52$

In: -2.165 ± 0.046 $\chi^2/\text{NDF}: 1068.0/47$

Out: -2.234 ± 0.045 $\chi^2/\text{NDF}: 1191.6/52$

All: -2.200 ± 0.032 $\chi^2/\text{NDF}: 2260.7/100$

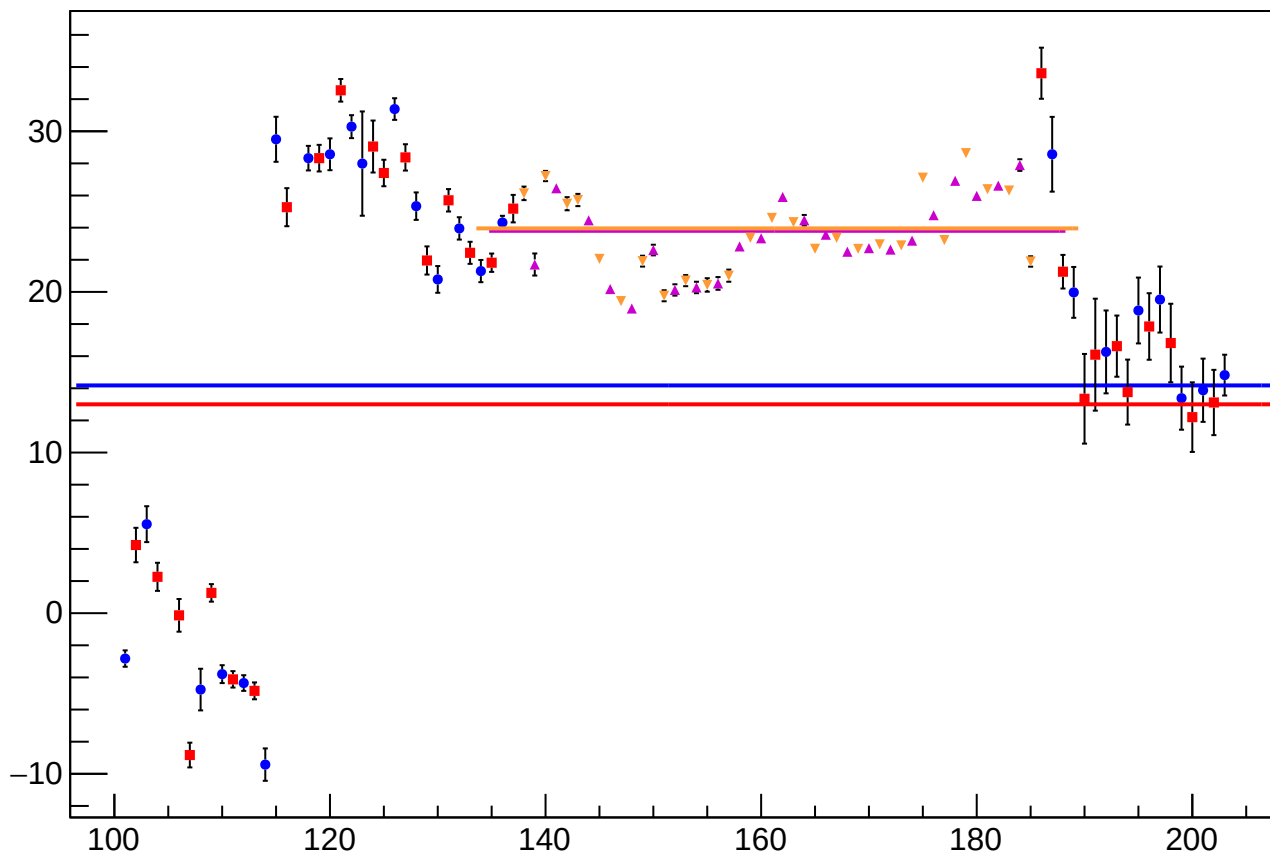
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 30.028 ± 0.218 $\chi^2/\text{NDF}: 892.1/24$
 Left Out: 25.258 ± 0.059 $\chi^2/\text{NDF}: 8135.5/24$
 Right Out: 31.521 ± 0.195 $\chi^2/\text{NDF}: 1596.7/27$
 Left In: 25.034 ± 0.059 $\chi^2/\text{NDF}: 7690.0/22$

Left: 25.147 ± 0.042 $\chi^2/\text{NDF}: 15832.7/47$
 Right: 30.857 ± 0.145 $\chi^2/\text{NDF}: 2514.8/52$
 In: 25.379 ± 0.057 $\chi^2/\text{NDF}: 9070.9/47$
 Out: 25.781 ± 0.056 $\chi^2/\text{NDF}: 10675.9/52$
 All: 25.583 ± 0.040 $\chi^2/\text{NDF}: 19771.8/100$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.178 $\pm$ 0.166 χ^2 /NDF: 7458.4/24

Left Out: 23.953 $\pm$ 0.053 χ^2 /NDF:1915.9/24

Right Out: 13.001 $\pm$ 0.167 χ^2 /NDF: 7216.1/27

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

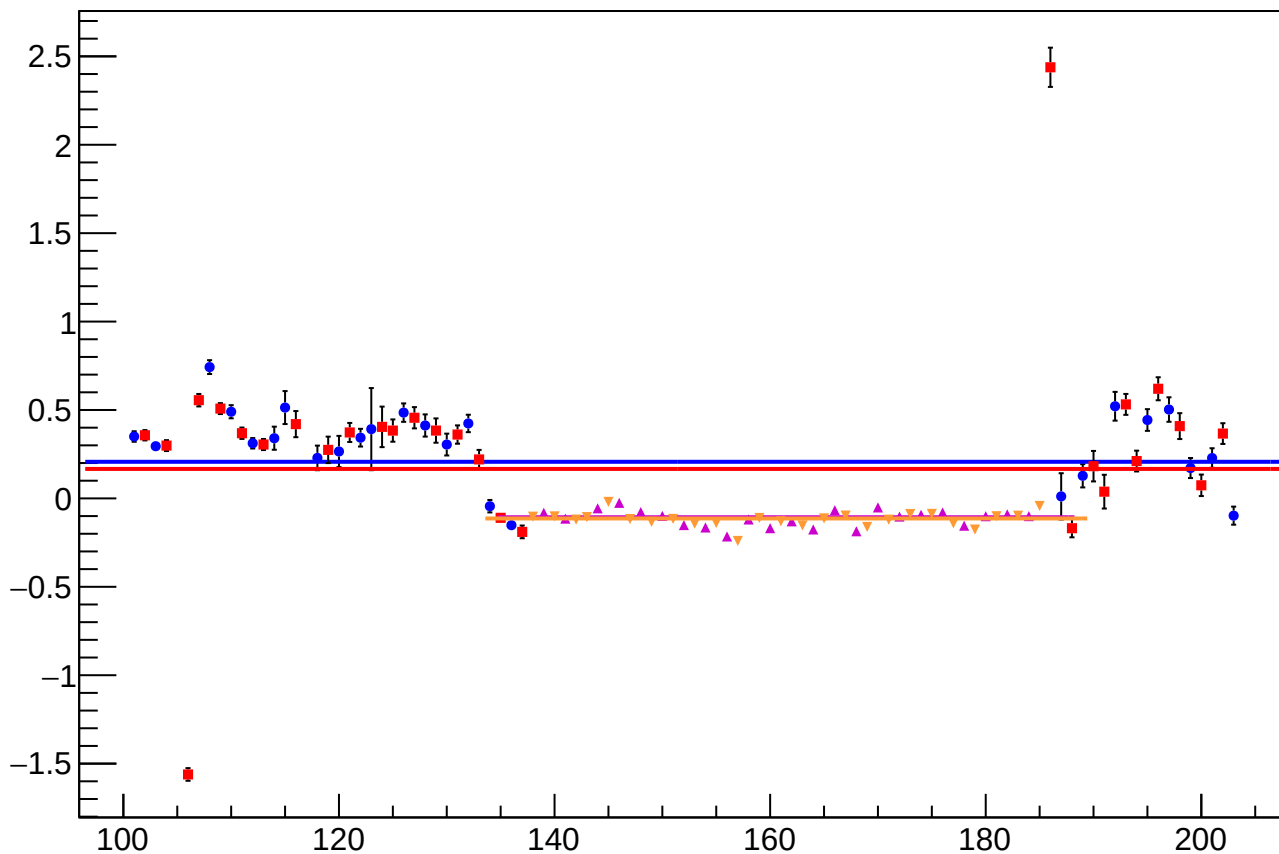
Right: 13.591 $\pm$ 0.118 χ^2 /NDF: 14699.4/52

In: 22.890 $\pm$ 0.051 χ^2 /NDF:12251.5/47

Out: 22.940 $\pm$ 0.051 χ^2 /NDF:13050.5/52

All: 22.915 $\pm$ 0.036 χ^2 /NDF: 25302.4/100

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.009 $\chi^2/\text{NDF}: 933.9/24$

Left Out: -0.114 ± 0.002 $\chi^2/\text{NDF}: 290.8/24$

Right Out: 0.167 ± 0.008 $\chi^2/\text{NDF}: 3594.0/27$

Left In: -0.107 ± 0.002 $\chi^2/\text{NDF}: 322.0/22$

Left: -0.110 ± 0.002 $\chi^2/\text{NDF}: 616.8/47$

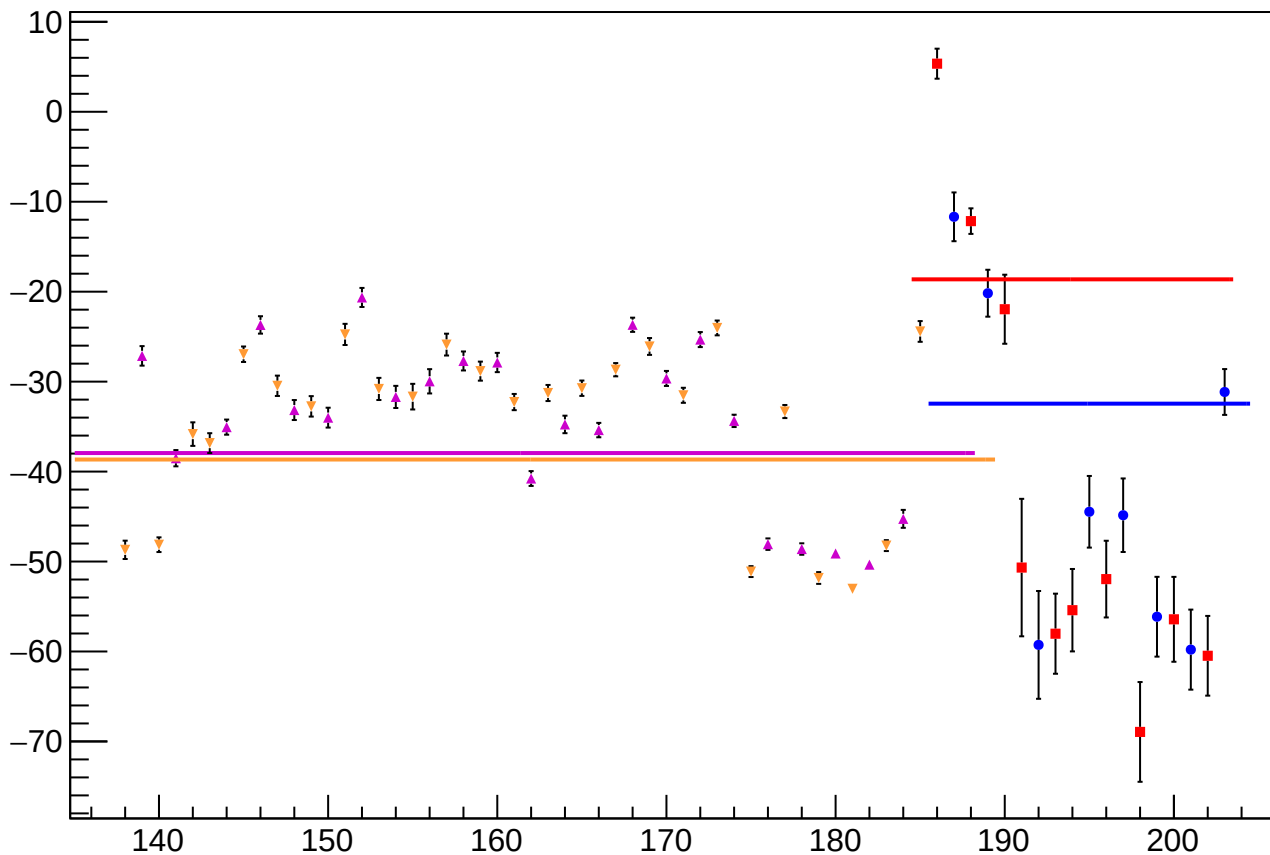
Right: 0.186 ± 0.006 $\chi^2/\text{NDF}: 4539.1/52$

In: -0.083 ± 0.002 $\chi^2/\text{NDF}: 2471.6/47$

Out: -0.092 ± 0.002 $\chi^2/\text{NDF}: 4902.9/52$

All: -0.088 ± 0.002 $\chi^2/\text{NDF}: 7381.6/100$

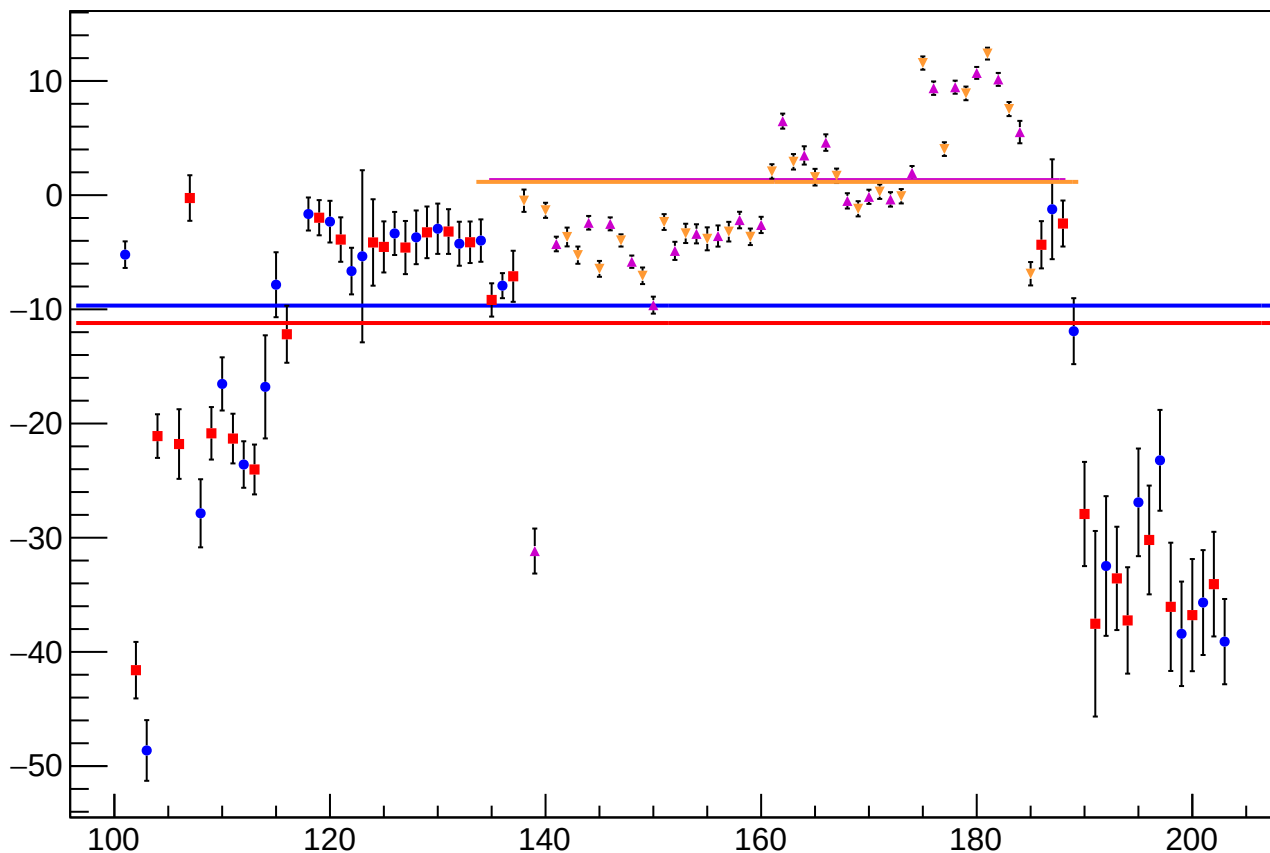
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.449 ± 1.204 $\chi^2/\text{NDF}: 185.8/7$
 Left Out: -38.660 ± 0.169 $\chi^2/\text{NDF}: 4073.8/24$
 Right Out: -18.629 ± 0.905 $\chi^2/\text{NDF}: 684.9/9$
 Left In: -37.939 ± 0.173 $\chi^2/\text{NDF}: 3133.2/22$

Left: -38.306 ± 0.121 $\chi^2/\text{NDF}: 7216.0/47$
 Right: -23.617 ± 0.724 $\chi^2/\text{NDF}: 954.8/17$
 In: -37.829 ± 0.171 $\chi^2/\text{NDF}: 3339.4/30$
 Out: -37.982 ± 0.166 $\chi^2/\text{NDF}: 5231.8/34$
 All: -37.908 ± 0.119 $\chi^2/\text{NDF}: 8571.6/65$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -9.671 ± 0.441 χ^2/NDF : 596.2/24

Left Out: 1.163 ± 0.136 χ^2/NDF : 1786.1/24

Right Out: -11.198 ± 0.450 χ^2/NDF : 610.6/27

Left In: 1.319 ± 0.139 χ^2/NDF : 2080.7/22

Left: 1.239 ± 0.097 χ^2/NDF : 3867.4/47

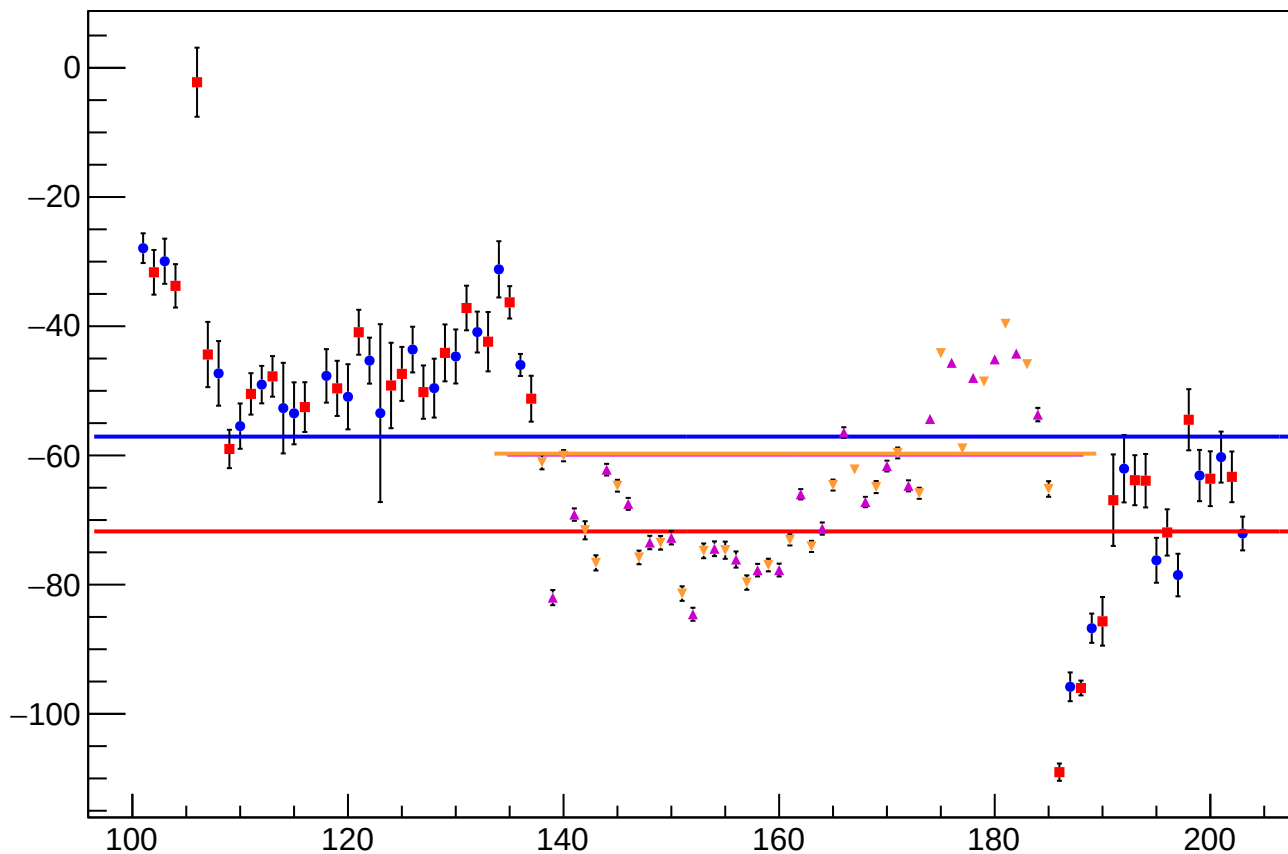
Right: -10.419 ± 0.315 χ^2/NDF : 1212.6/52

In: 0.319 ± 0.133 χ^2/NDF : 3241.8/47

Out: 0.124 ± 0.130 χ^2/NDF : 3087.7/52

All: 0.220 ± 0.093 χ^2/NDF : 6330.5/100

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

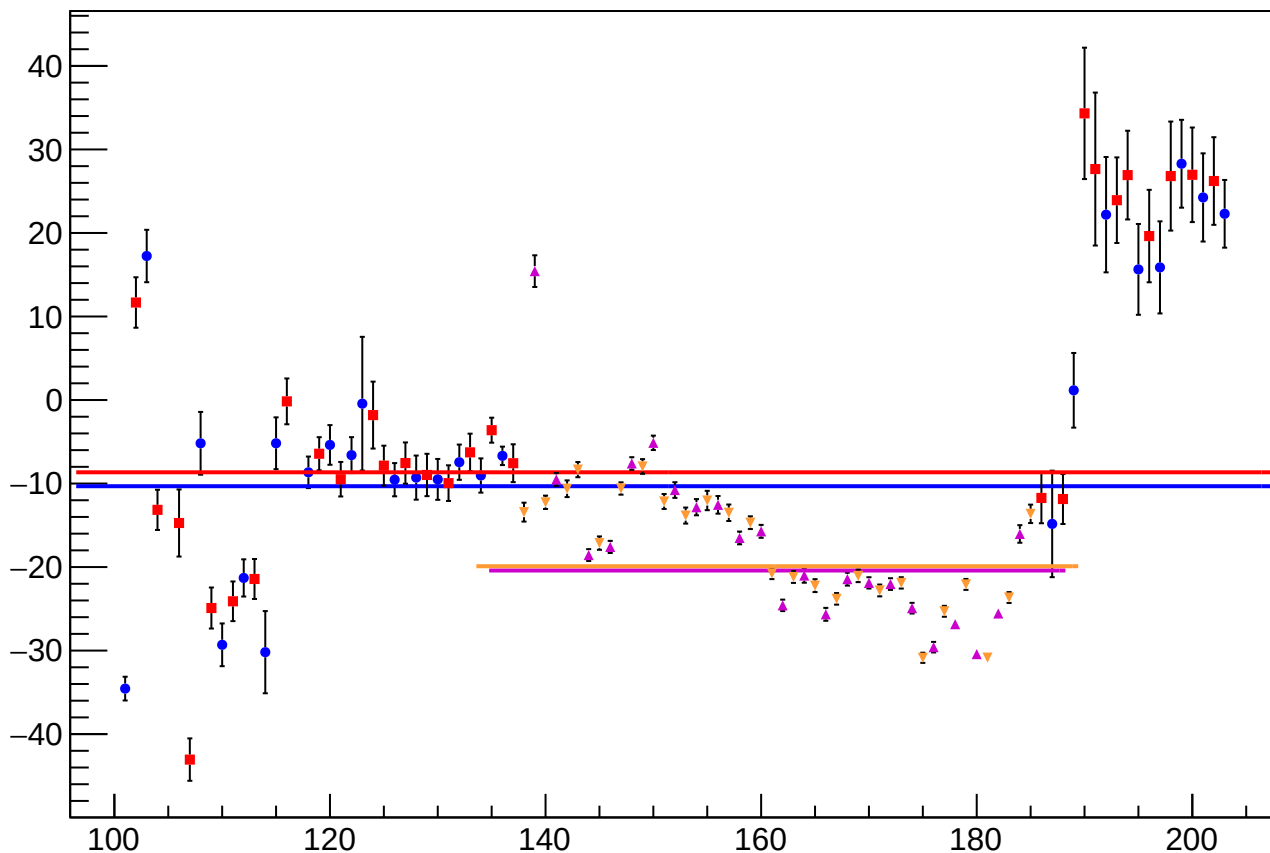


Right In: -57.086 ± 0.657 χ^2/NDF : 964.5/24
 Left Out: -59.724 ± 0.170 χ^2/NDF : 5789.8/24
 Right Out: -71.761 ± 0.568 χ^2/NDF : 2466.0/27
 Left In: -59.864 ± 0.173 χ^2/NDF : 5275.1/22

Left: -59.793 ± 0.121 χ^2/NDF : 11065.1/47
 Right: -65.483 ± 0.429 χ^2/NDF : 3716.3/52
 In: -59.685 ± 0.167 χ^2/NDF : 6256.3/47
 Out: -60.719 ± 0.163 χ^2/NDF : 8668.1/52

All: -60.214 ± 0.117 χ^2/NDF : 14944.0/100

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

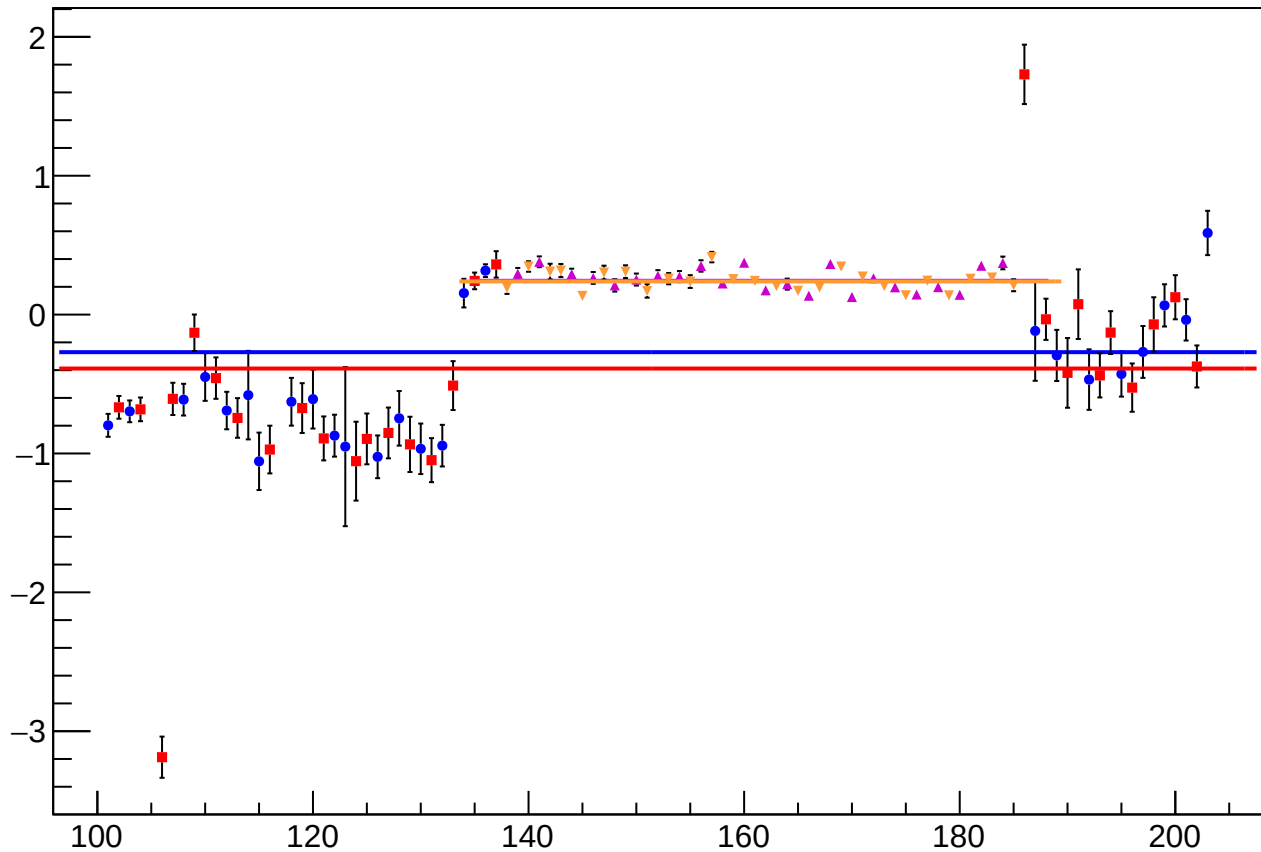


Right In: -10.320 ± 0.500 χ^2/NDF : 727.3/24
 Left Out: -19.902 ± 0.153 χ^2/NDF : 1904.7/24
 Right Out: -8.654 ± 0.520 χ^2/NDF : 649.0/27
 Left In: -20.412 ± 0.156 χ^2/NDF : 2345.4/22

Left: -20.152 ± 0.109 χ^2/NDF : 4255.5/47
 Right: -9.519 ± 0.360 χ^2/NDF : 1381.6/52
 In: -19.515 ± 0.149 χ^2/NDF : 3443.7/47
 Out: -19.004 ± 0.147 χ^2/NDF : 2984.5/52

All: -19.256 ± 0.105 χ^2/NDF : 6434.2/100

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271 ± 0.025 χ^2/NDF : 412.5/24

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.5/24

Right Out: -0.388 ± 0.025 χ^2/NDF : 759.0/27

Left In: 0.243 ± 0.007 χ^2/NDF : 139.2/22

Left: 0.241 ± 0.005 χ^2/NDF : 232.9/47

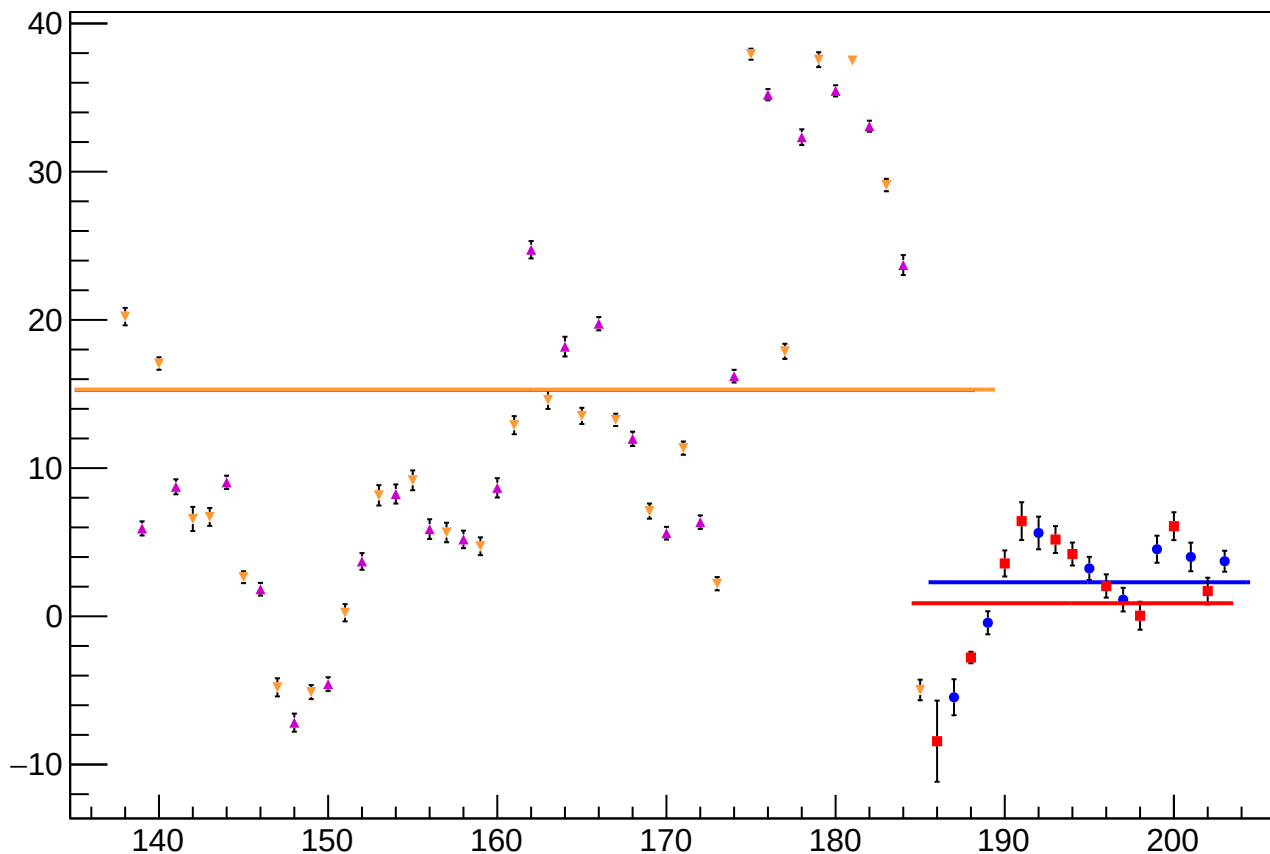
Right: -0.329 ± 0.018 χ^2/NDF : 1182.4/52

In: 0.205 ± 0.007 χ^2/NDF : 936.5/47

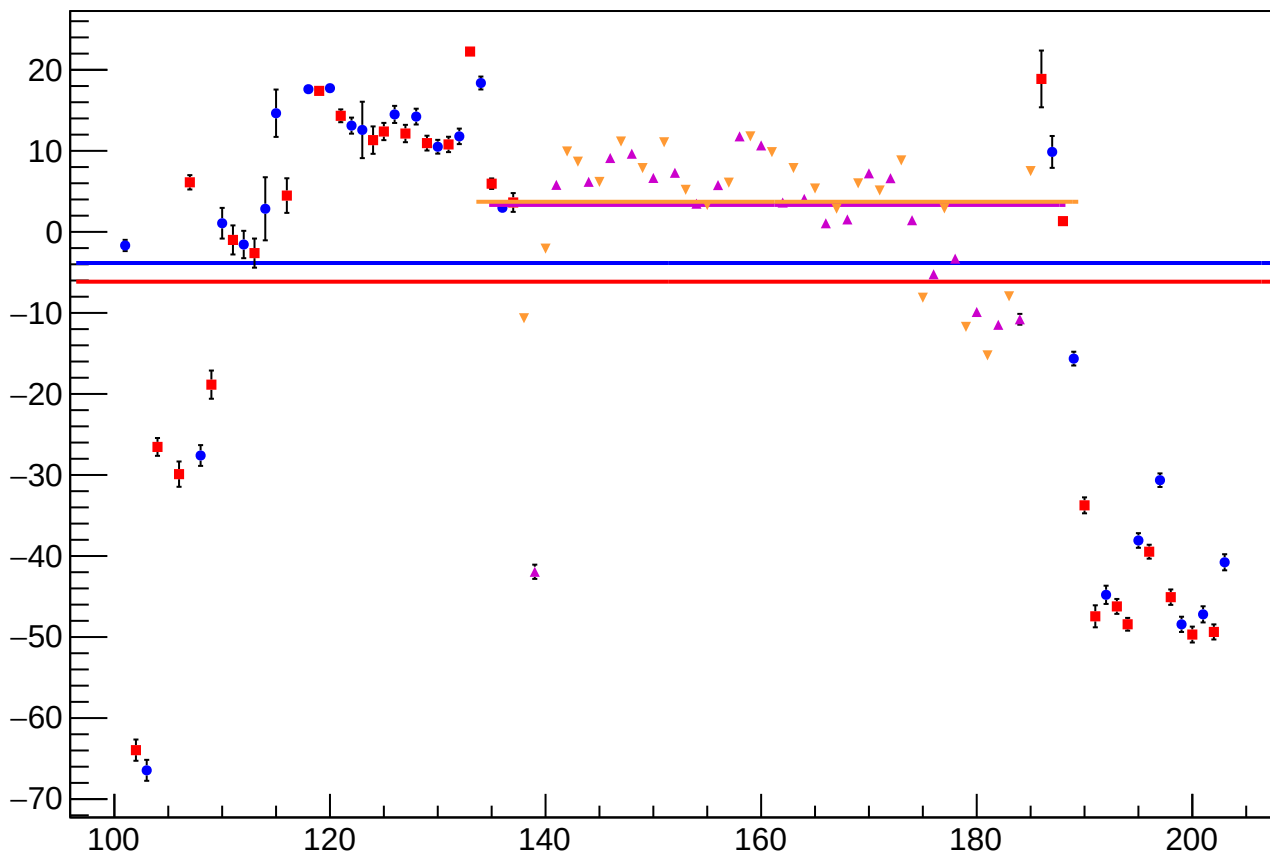
Out: 0.194 ± 0.007 χ^2/NDF : 1416.6/52

All: 0.200 ± 0.005 χ^2/NDF : 2354.4/100

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.840 ± 0.183 $\chi^2/\text{NDF}: 17959.5/24$

Left Out: 3.717 ± 0.079 $\chi^2/\text{NDF}: 9201.0/24$

Right Out: -6.147 ± 0.171 $\chi^2/\text{NDF}: 25087.5/27$

Left In: 3.327 ± 0.081 $\chi^2/\text{NDF}: 8830.5/22$

Left: 3.527 ± 0.057 $\chi^2/\text{NDF}: 18043.4/47$

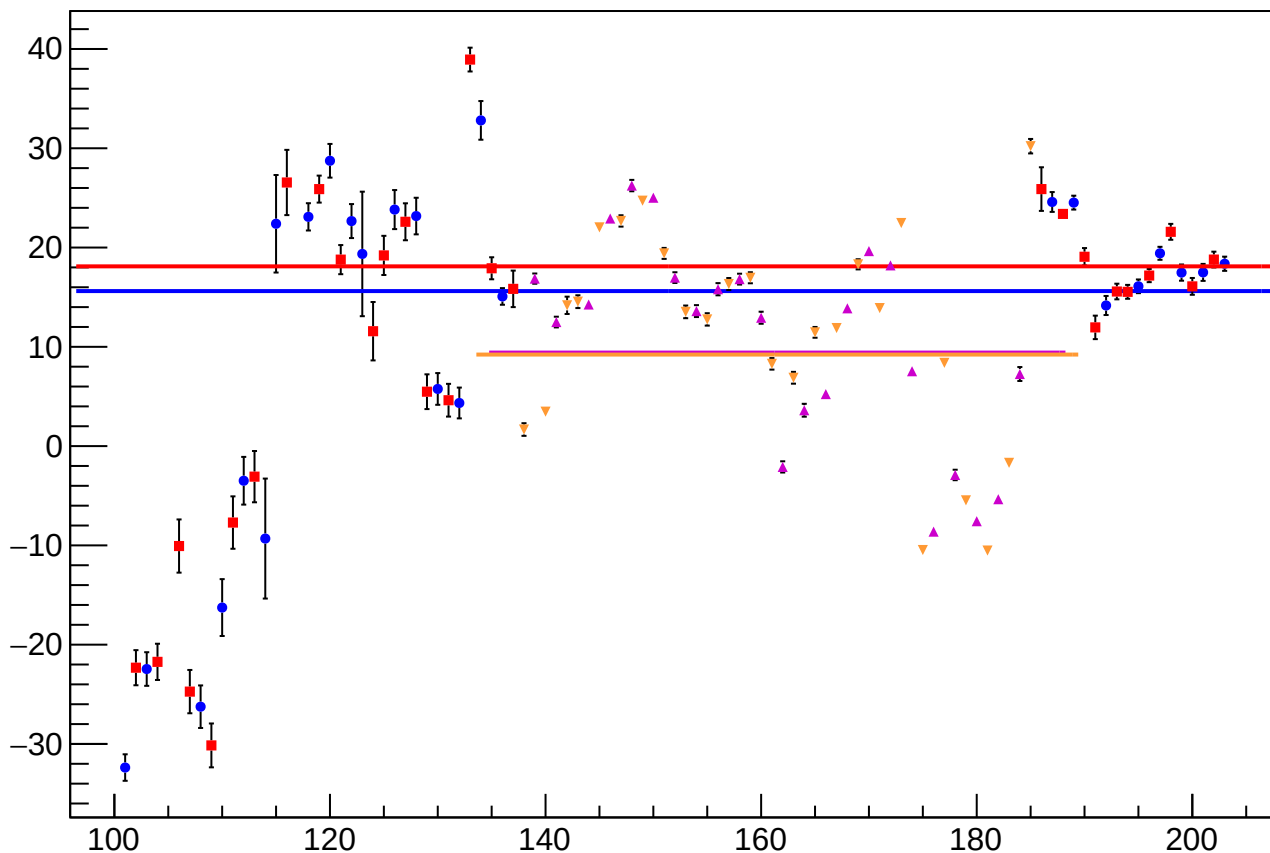
Right: -5.070 ± 0.125 $\chi^2/\text{NDF}: 43131.7/52$

In: 2.154 ± 0.074 $\chi^2/\text{NDF}: 28071.4/47$

Out: 1.989 ± 0.072 $\chi^2/\text{NDF}: 37022.9/52$

All: 2.069 ± 0.052 $\chi^2/\text{NDF}: 65096.8/100$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 15.615 ± 0.228 χ^2/NDF : 3001.1/24

Left Out: 9.220 ± 0.101 χ^2/NDF : 13617.0/24

Right Out: 18.105 ± 0.187 χ^2/NDF : 2979.9/27

Left In: 9.420 ± 0.102 χ^2/NDF : 12078.1/22

Left: 9.319 ± 0.072 χ^2/NDF : 25697.1/47

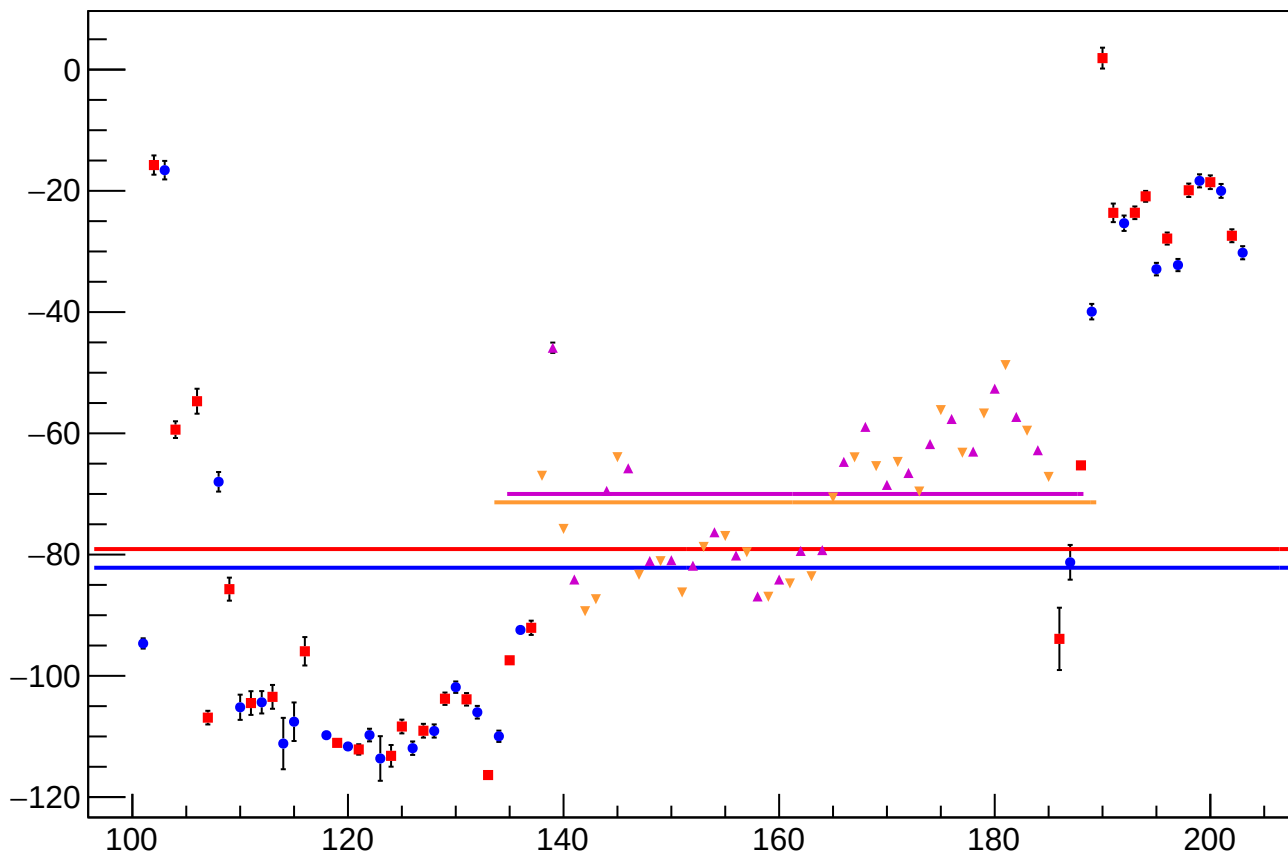
Right: 17.102 ± 0.145 χ^2/NDF : 6052.1/52

In: 10.451 ± 0.093 χ^2/NDF : 15693.0/47

Out: 11.221 ± 0.089 χ^2/NDF : 18337.0/52

All: 10.854 ± 0.064 χ^2/NDF : 34065.8/100

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -82.170 ± 0.213 $\chi^2/\text{NDF}: 26656.2/24$

Left Out: -71.379 ± 0.089 $\chi^2/\text{NDF}: 16226.2/24$

Right Out: -79.089 ± 0.203 $\chi^2/\text{NDF}: 36340.8/27$

Left In: -69.999 ± 0.091 $\chi^2/\text{NDF}: 13188.0/22$

Left: -70.704 ± 0.064 $\chi^2/\text{NDF}: 29530.5/47$

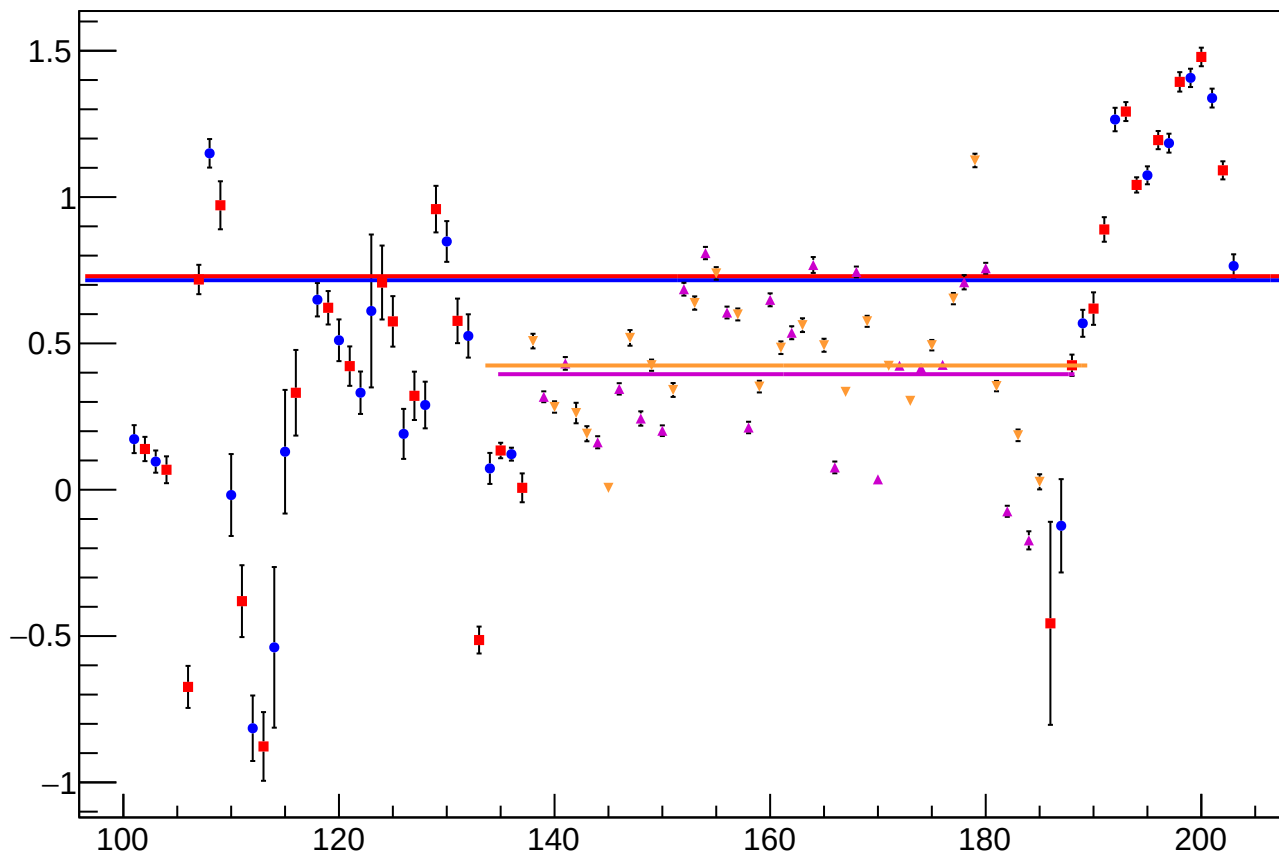
Right: -80.550 ± 0.147 $\chi^2/\text{NDF}: 63106.7/52$

In: -71.888 ± 0.084 $\chi^2/\text{NDF}: 42596.1/47$

Out: -72.638 ± 0.082 $\chi^2/\text{NDF}: 53779.2/52$

All: -72.273 ± 0.059 $\chi^2/\text{NDF}: 96416.2/100$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.716 $\pm$ 0.009 χ^2 /NDF: 3137.2/24

Left Out: 0.425 $\pm$ 0.004 χ^2 /NDF:2866.9/24

Right Out: 0.730 $\pm$ 0.009 χ^2 /NDF: 4458.7/27

Left In: 0.395 $\pm$ 0.004 χ^2 /NDF:4063.1/22

Left: 0.410 $\pm$ 0.003 χ^2 /NDF: 6956.2/47

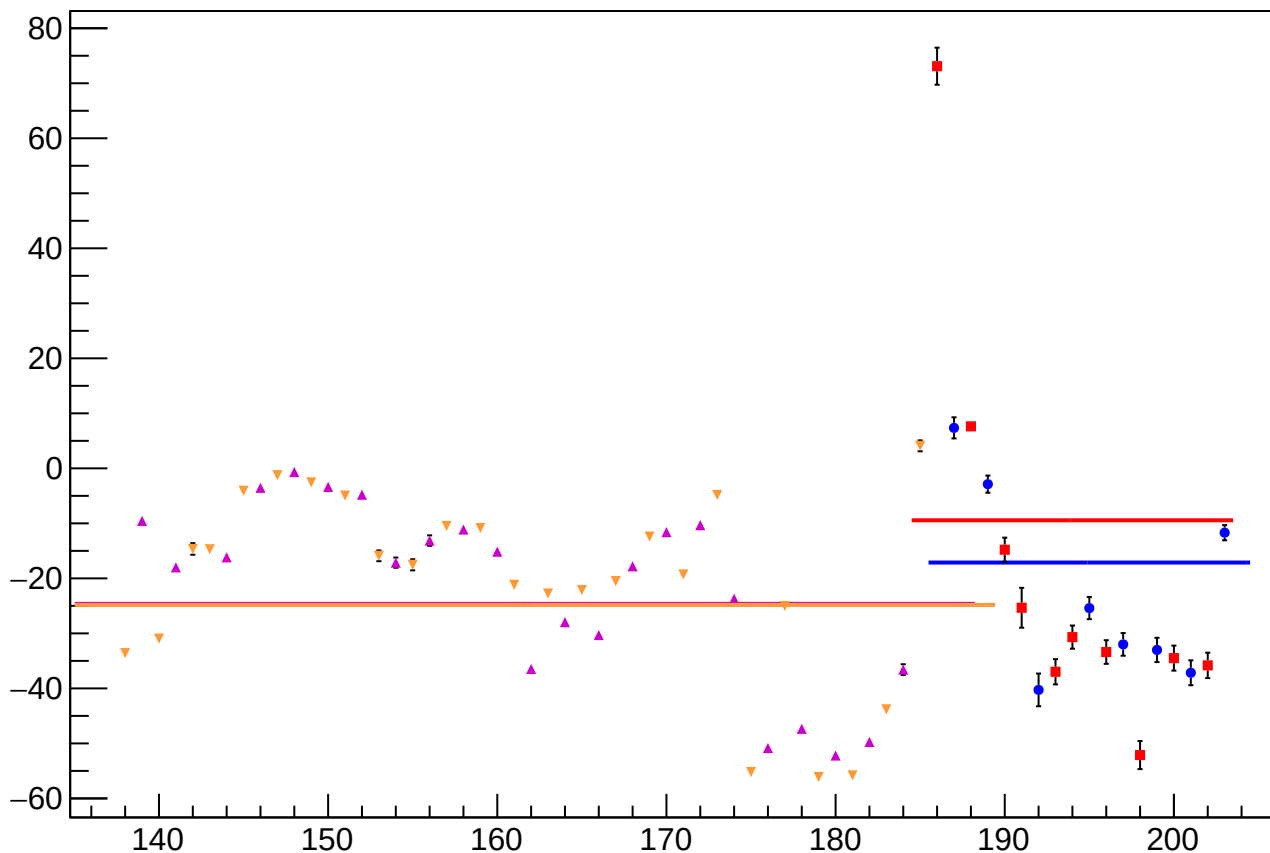
Right: 0.723 $\pm$ 0.006 χ^2 /NDF: 7597.0/52

In: 0.447 $\pm$ 0.004 χ^2 /NDF:8175.2/47

Out: 0.481 $\pm$ 0.004 χ^2 /NDF:8353.3/52

All: 0.464 $\pm$ 0.003 χ^2 /NDF: 16570.7/100

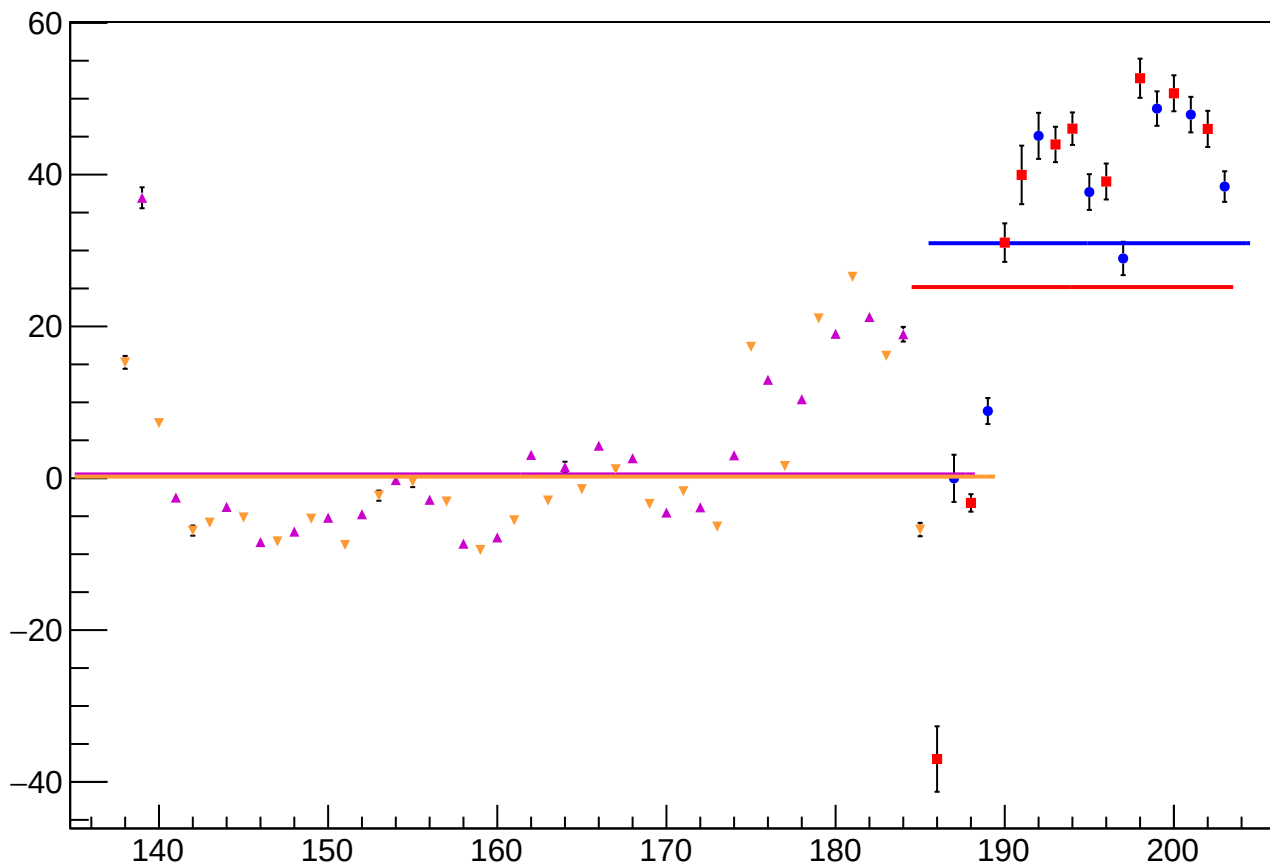
reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.123 ± 0.673 $\chi^2/\text{NDF}: 521.3/7$
 Left Out: -24.824 ± 0.140 $\chi^2/\text{NDF}: 18274.6/24$
 Right Out: -9.444 ± 0.568 $\chi^2/\text{NDF}: 1982.6/9$
 Left In: -24.635 ± 0.142 $\chi^2/\text{NDF}: 14947.9/22$

Left: -24.731 ± 0.100 $\chi^2/\text{NDF}: 33223.4/47$
 Right: -12.636 ± 0.434 $\chi^2/\text{NDF}: 2579.9/17$
 In: -24.315 ± 0.139 $\chi^2/\text{NDF}: 15588.3/30$
 Out: -23.947 ± 0.136 $\chi^2/\text{NDF}: 20948.7/34$
 All: -24.126 ± 0.097 $\chi^2/\text{NDF}: 36540.6/65$

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 30.962 ± 0.800 $\chi^2/\text{NDF}: 422.6/7$

Left Out: 0.218 ± 0.109 $\chi^2/\text{NDF}: 8252.6/24$

Right Out: 25.183 ± 0.688 $\chi^2/\text{NDF}: 1337.0/9$

Left In: 0.507 ± 0.112 $\chi^2/\text{NDF}: 6626.9/22$

Left: 0.358 ± 0.078 $\chi^2/\text{NDF}: 14883.0/47$

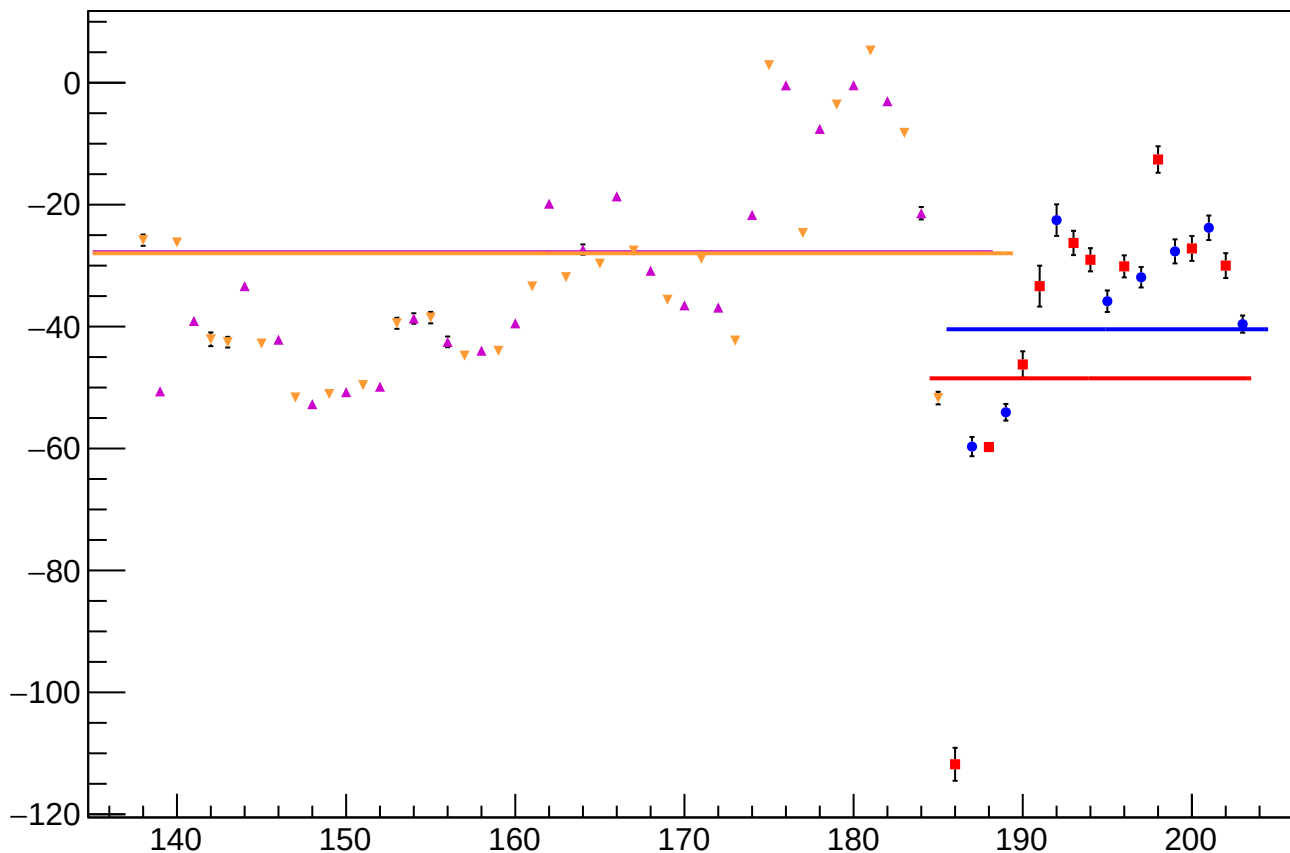
Right: 27.637 ± 0.522 $\chi^2/\text{NDF}: 1789.6/17$

In: 1.089 ± 0.111 $\chi^2/\text{NDF}: 8469.3/30$

Out: 0.827 ± 0.107 $\chi^2/\text{NDF}: 10874.9/34$

All: 0.954 ± 0.077 $\chi^2/\text{NDF}: 19347.1/65$

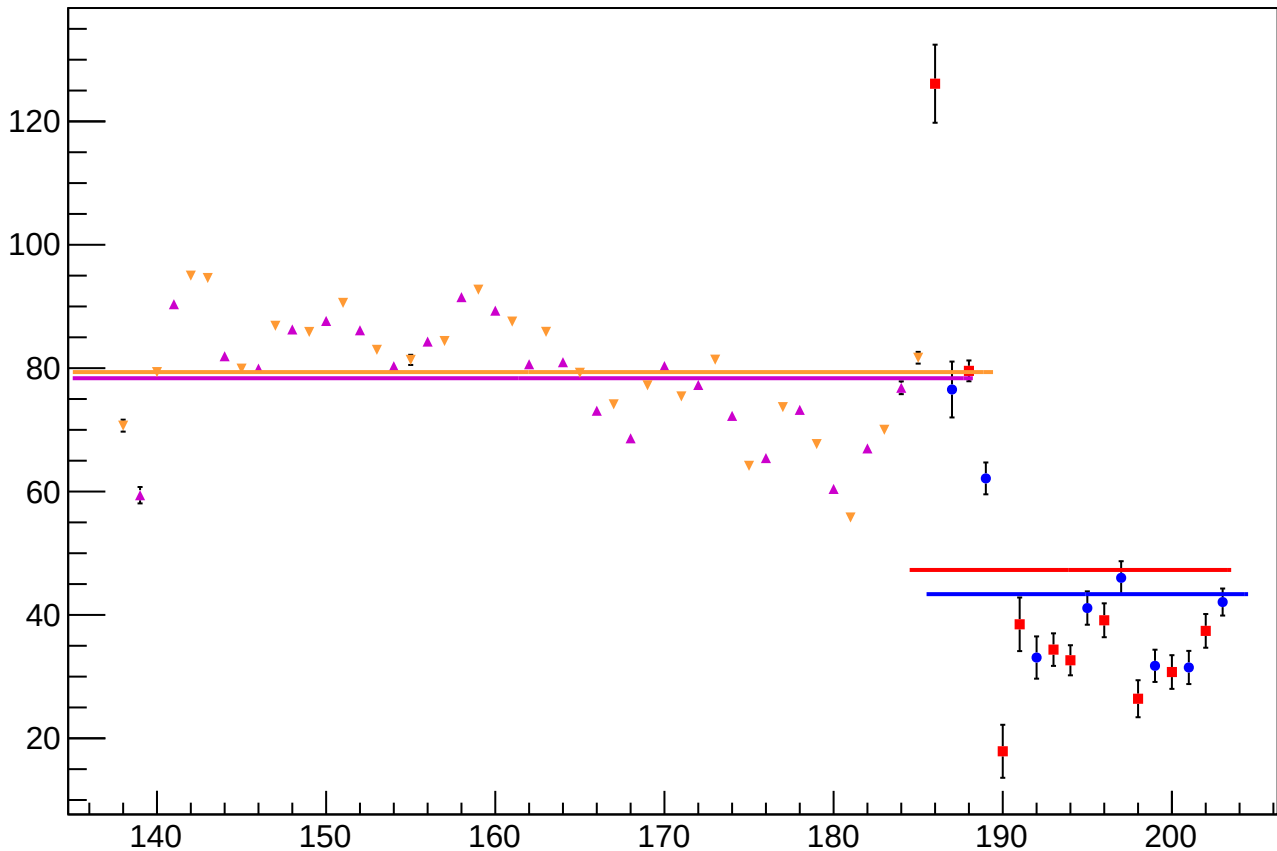
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -40.441 ± 0.601 $\chi^2/\text{NDF}: 439.7/7$
 Left Out: -27.977 ± 0.140 $\chi^2/\text{NDF}: 17079.0/24$
 Right Out: -48.487 ± 0.480 $\chi^2/\text{NDF}: 1667.4/9$
 Left In: -27.796 ± 0.142 $\chi^2/\text{NDF}: 15193.3/22$

Left: -27.888 ± 0.100 $\chi^2/\text{NDF}: 32273.2/47$
 Right: -45.355 ± 0.375 $\chi^2/\text{NDF}: 2216.7/17$
 In: -28.463 ± 0.138 $\chi^2/\text{NDF}: 16052.8/30$
 Out: -29.591 ± 0.135 $\chi^2/\text{NDF}: 20431.9/34$
 All: -29.042 ± 0.096 $\chi^2/\text{NDF}: 36519.0/65$

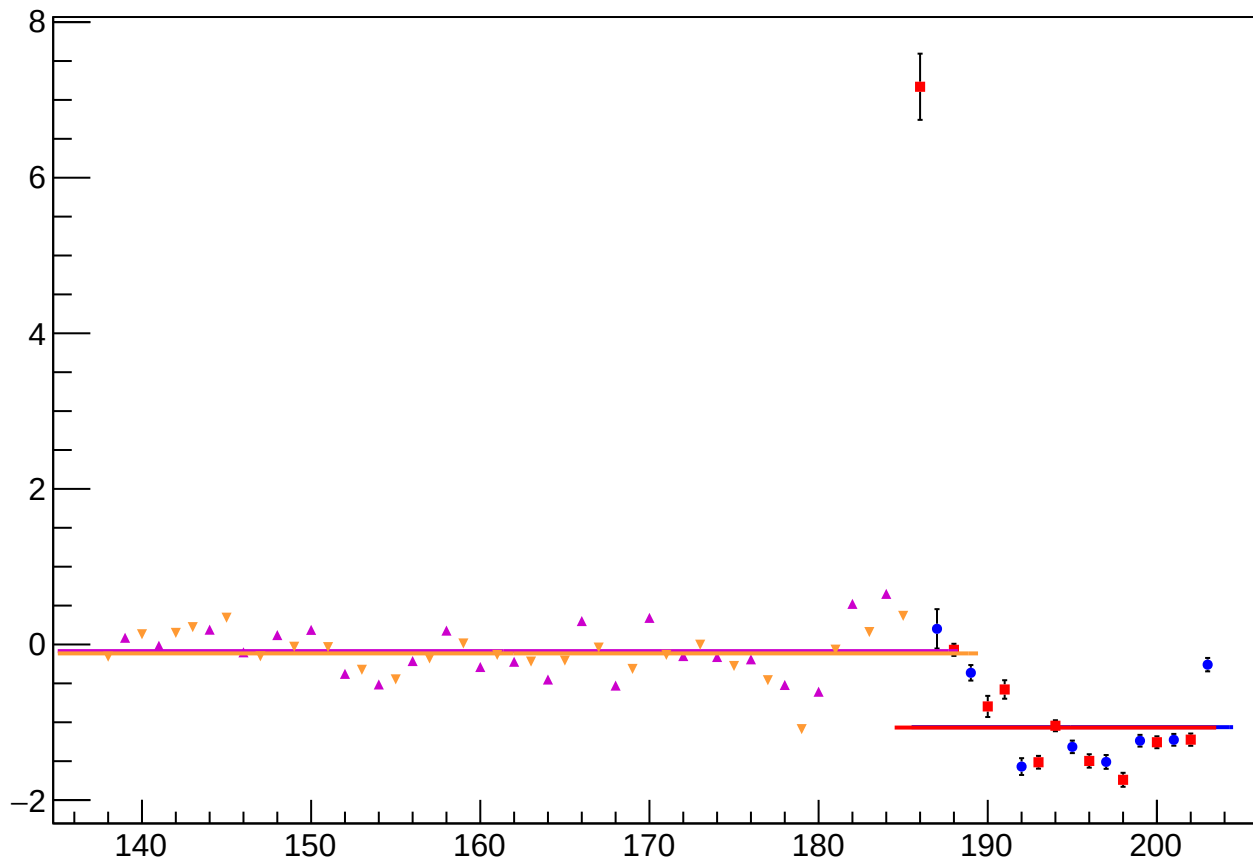
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.368 $\pm$ 0.975 χ^2 /NDF: 156.8/7
 Left Out: 79.364 $\pm$ 0.123 χ^2 /NDF: 5966.3/24
 Right Out: 47.289 $\pm$ 0.875 χ^2 /NDF: 739.3/9
 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: 45.541 $\pm$ 0.651 χ^2 /NDF: 905.0/17
 In: 77.789 $\pm$ 0.125 χ^2 /NDF: 6159.0/30
 Out: 78.737 $\pm$ 0.122 χ^2 /NDF: 8024.2/34
 All: 78.275 $\pm$ 0.087 χ^2 /NDF: 14212.5/65

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.063 ± 0.032 $\chi^2/\text{NDF}: 227.7/7$

Left Out: -0.115 ± 0.006 $\chi^2/\text{NDF}: 2288.7/24$

Right Out: -1.068 ± 0.028 $\chi^2/\text{NDF}: 680.8/9$

Left In: -0.085 ± 0.006 $\chi^2/\text{NDF}: 3148.4/22$

Left: -0.100 ± 0.004 $\chi^2/\text{NDF}: 5450.5/47$

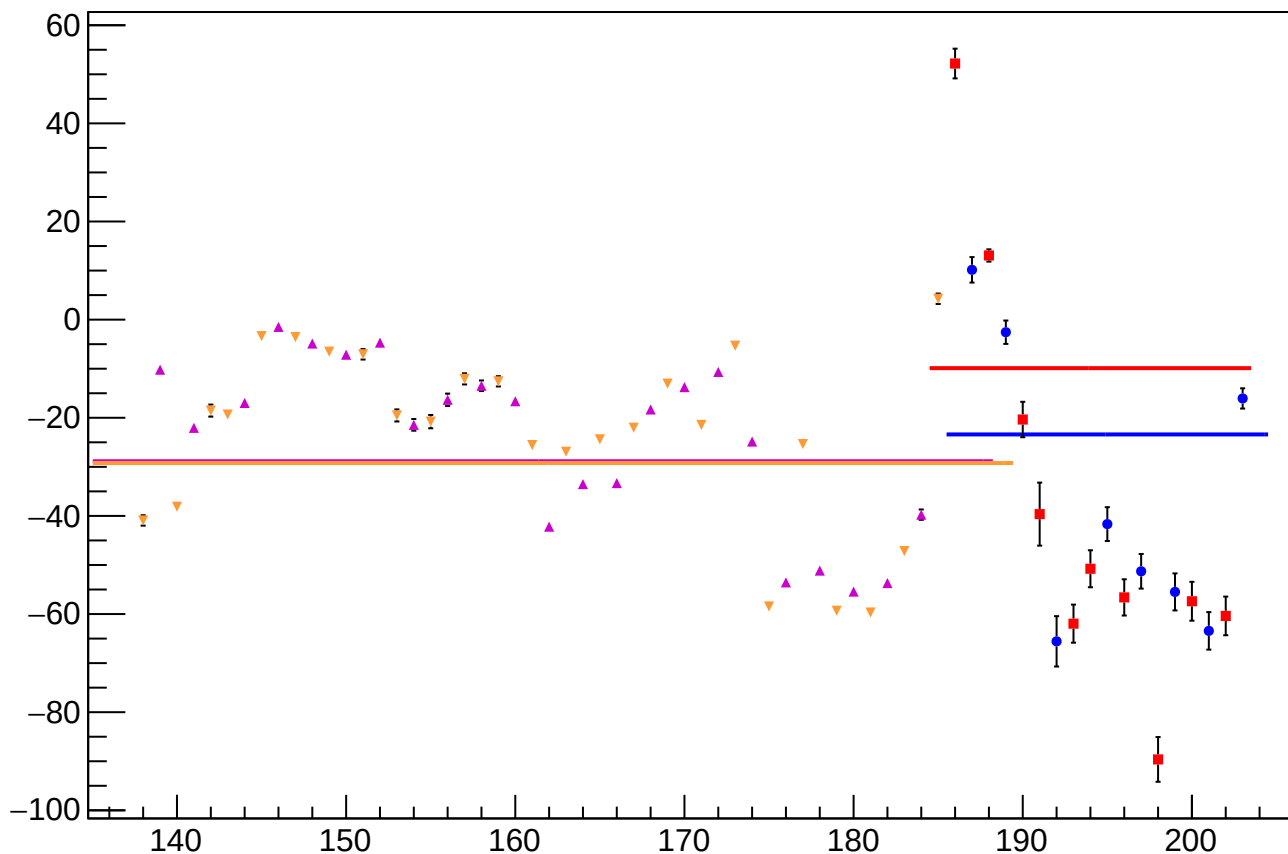
Right: -1.066 ± 0.021 $\chi^2/\text{NDF}: 908.5/17$

In: -0.115 ± 0.006 $\chi^2/\text{NDF}: 4270.7/30$

Out: -0.151 ± 0.006 $\chi^2/\text{NDF}: 4047.0/34$

All: -0.134 ± 0.004 $\chi^2/\text{NDF}: 8338.0/65$

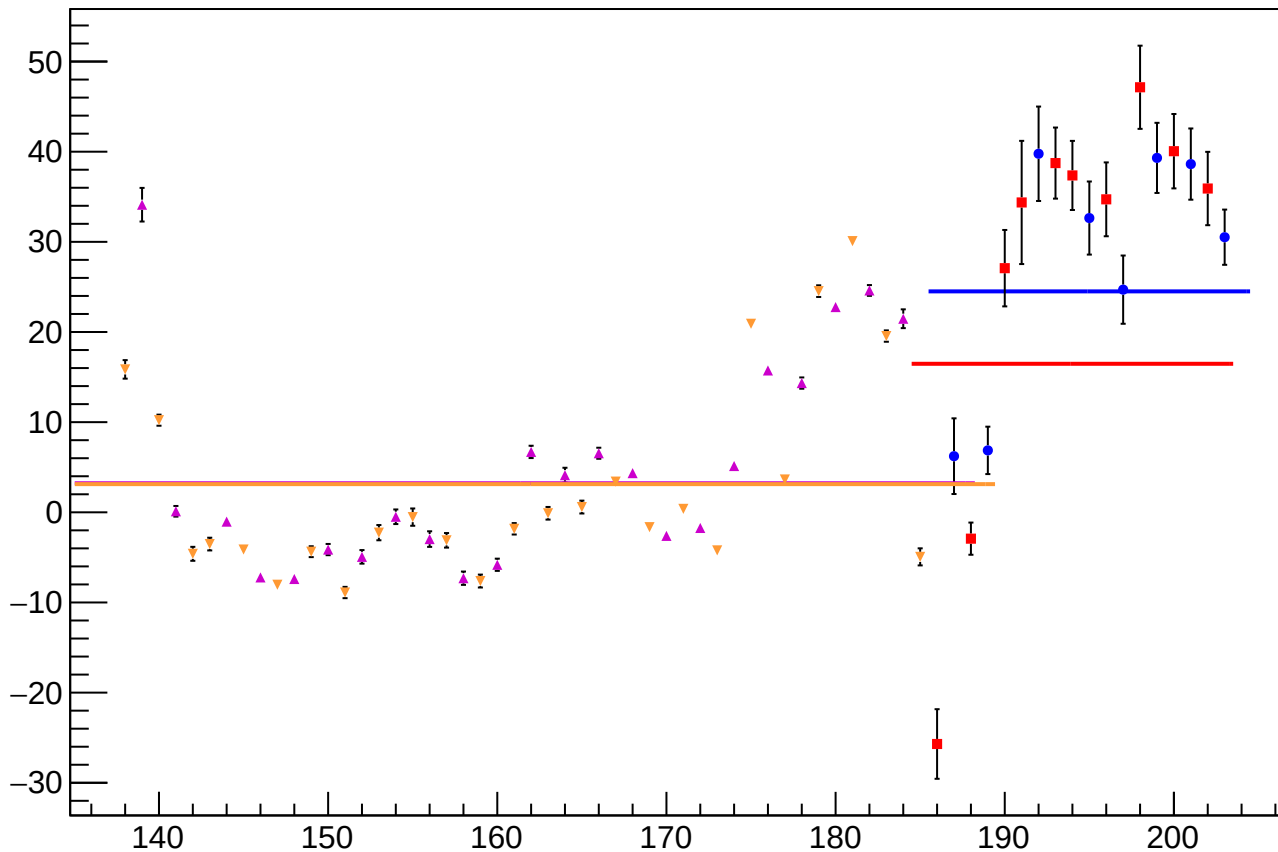
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.395 ± 1.054 $\chi^2/\text{NDF}: 596.2/7$
 Left Out: -29.227 ± 0.157 $\chi^2/\text{NDF}: 16880.0/24$
 Right Out: -9.886 ± 0.900 $\chi^2/\text{NDF}: 1857.9/9$
 Left In: -28.857 ± 0.159 $\chi^2/\text{NDF}: 13553.6/22$

Left: -29.044 ± 0.112 $\chi^2/\text{NDF}: 30436.3/47$
 Right: -15.584 ± 0.685 $\chi^2/\text{NDF}: 2549.1/17$
 In: -28.735 ± 0.157 $\chi^2/\text{NDF}: 14176.1/30$
 Out: -28.656 ± 0.155 $\chi^2/\text{NDF}: 19185.8/34$
 All: -28.695 ± 0.110 $\chi^2/\text{NDF}: 33362.0/65$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.506 $\pm$ 1.285 χ^2 /NDF: 107.6/7

Left Out: 3.126 $\pm$ 0.125 χ^2 /NDF:8049.0/24

Right Out: 16.474 $\pm$ 1.107 χ^2 /NDF: 431.7/9

Left In: 3.224 $\pm$ 0.127 χ^2 /NDF:6274.0/22

Left: 3.174 $\pm$ 0.089 χ^2 /NDF: 14323.3/47

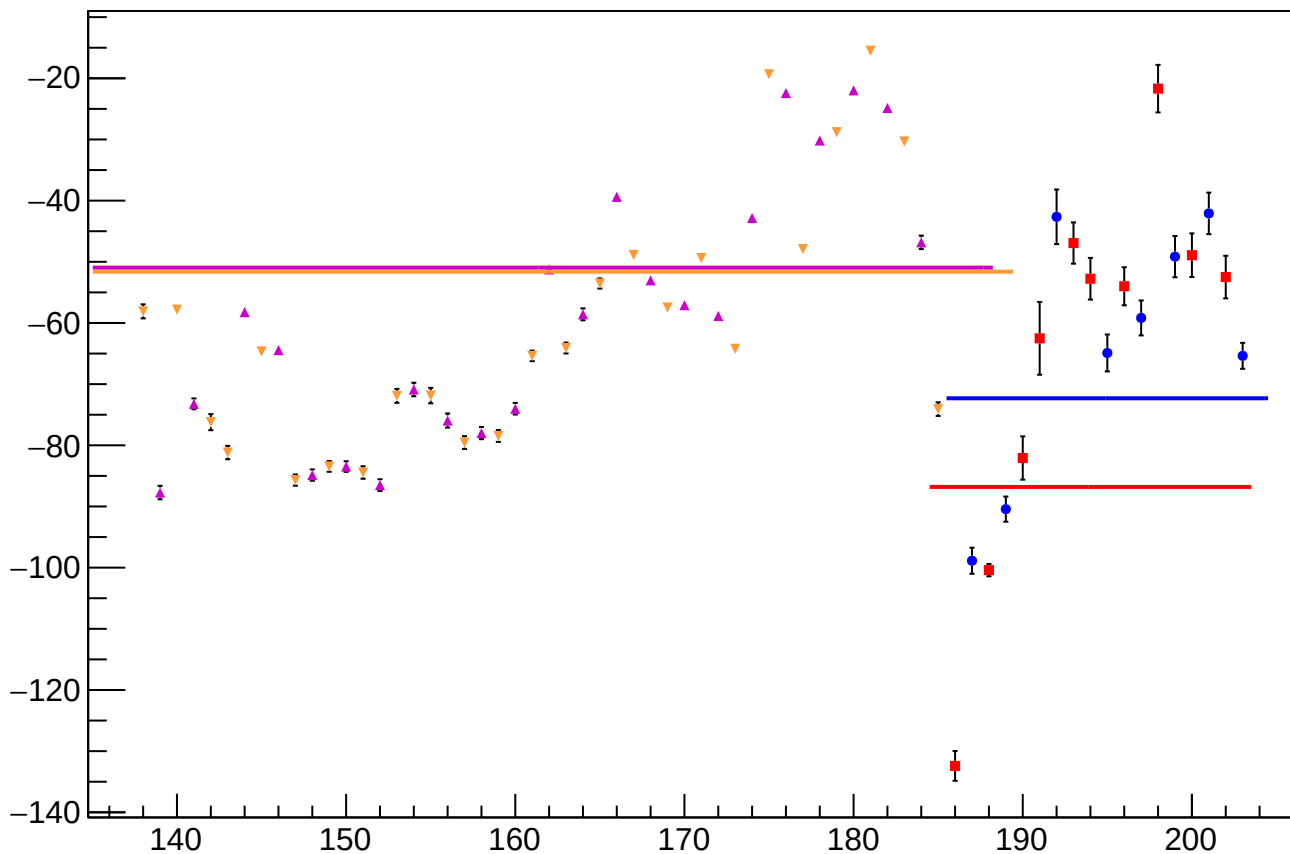
Right: 19.894 $\pm$ 0.839 χ^2 /NDF: 561.7/17

In: 3.428 $\pm$ 0.126 χ^2 /NDF:6653.2/30

Out: 3.293 $\pm$ 0.124 χ^2 /NDF:8624.3/34

All: 3.359 $\pm$ 0.088 χ^2 /NDF: 15278.1/65

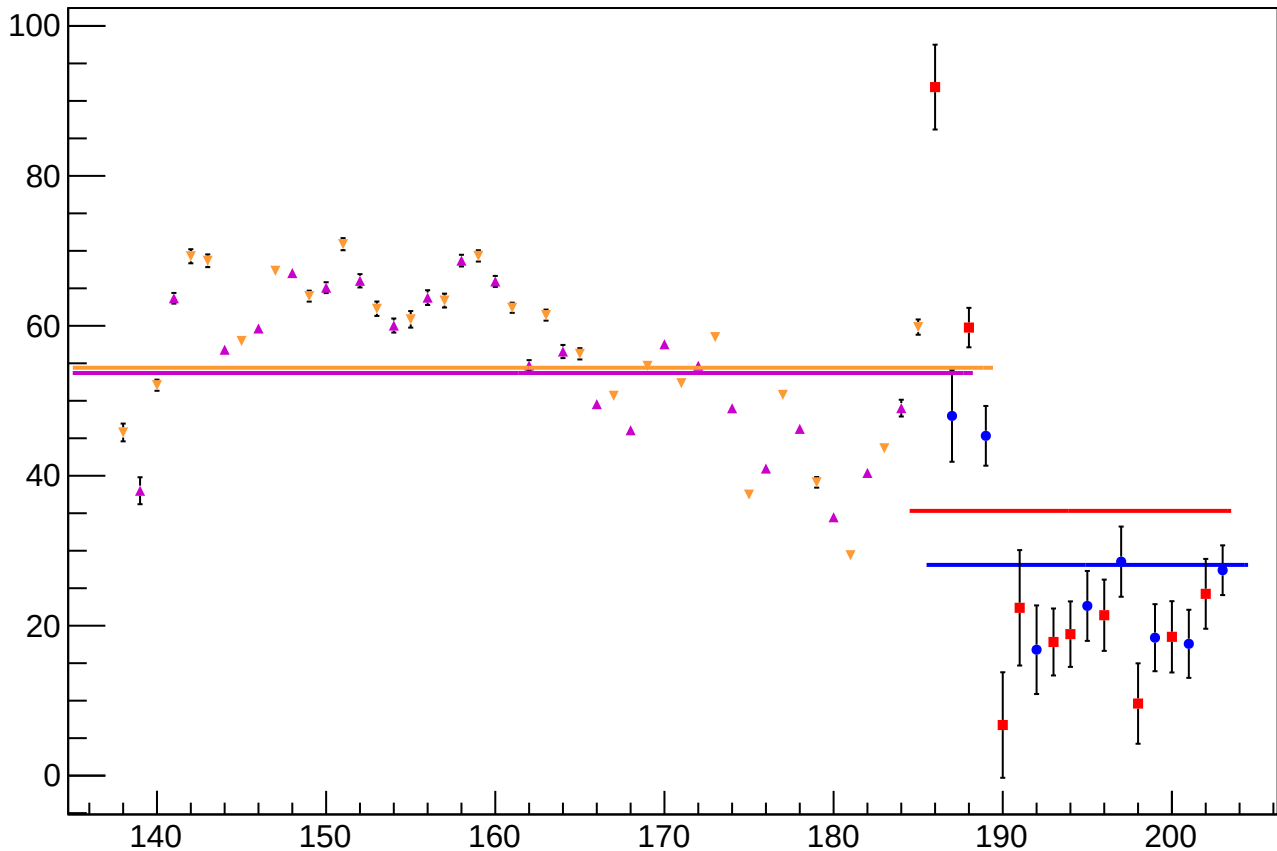
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.312 $\pm$ 0.939 χ^2 /NDF: 440.9/7
 Left Out: -51.610 $\pm$ 0.158 χ^2 /NDF:19384.9/24
 Right Out: -86.804 $\pm$ 0.754 χ^2 /NDF: 1391.9/9
 Left In: -50.954 $\pm$ 0.159 χ^2 /NDF:17472.2/22

Left: -51.285 $\pm$ 0.112 χ^2 /NDF: 36865.6/47
 Right: -81.125 $\pm$ 0.588 χ^2 /NDF: 1977.7/17
 In: -51.553 $\pm$ 0.157 χ^2 /NDF:18416.1/30
 Out: -53.093 $\pm$ 0.155 χ^2 /NDF:22865.1/34
 All: -52.335 $\pm$ 0.110 χ^2 /NDF: 41330.0/65

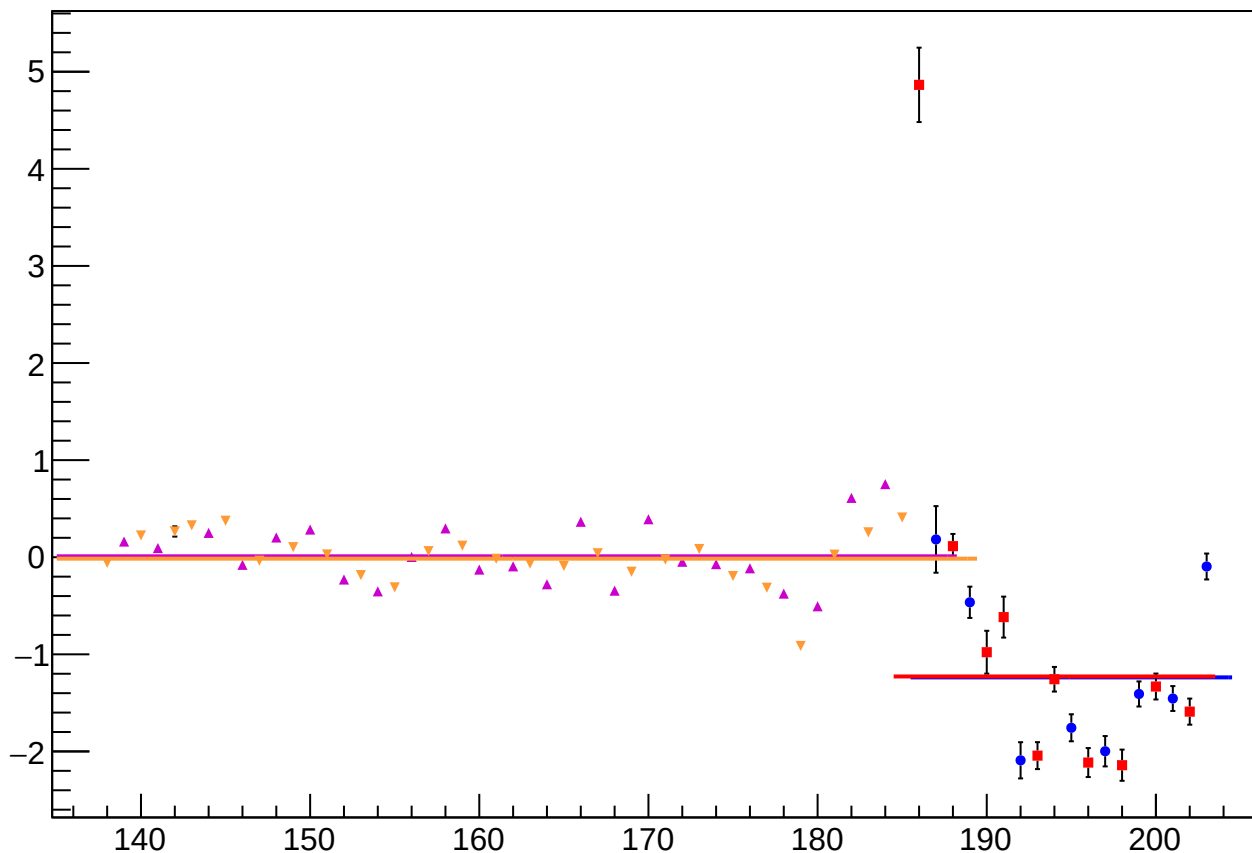
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.110 $\pm$ 1.582 χ^2 /NDF: 44.4/7
 Left Out: 54.407 $\pm$ 0.141 χ^2 /NDF: 6200.4/24
 Right Out: 35.316 $\pm$ 1.437 χ^2 /NDF: 284.5/9
 Left In: 53.704 $\pm$ 0.143 χ^2 /NDF: 4603.5/22

Left: 54.060 $\pm$ 0.100 χ^2 /NDF: 10816.3/47
 Right: 32.060 $\pm$ 1.064 χ^2 /NDF: 340.3/17
 In: 53.497 $\pm$ 0.142 χ^2 /NDF: 4907.4/30
 Out: 54.226 $\pm$ 0.140 χ^2 /NDF: 6659.9/34
 All: 53.867 $\pm$ 0.100 χ^2 /NDF: 11580.6/65

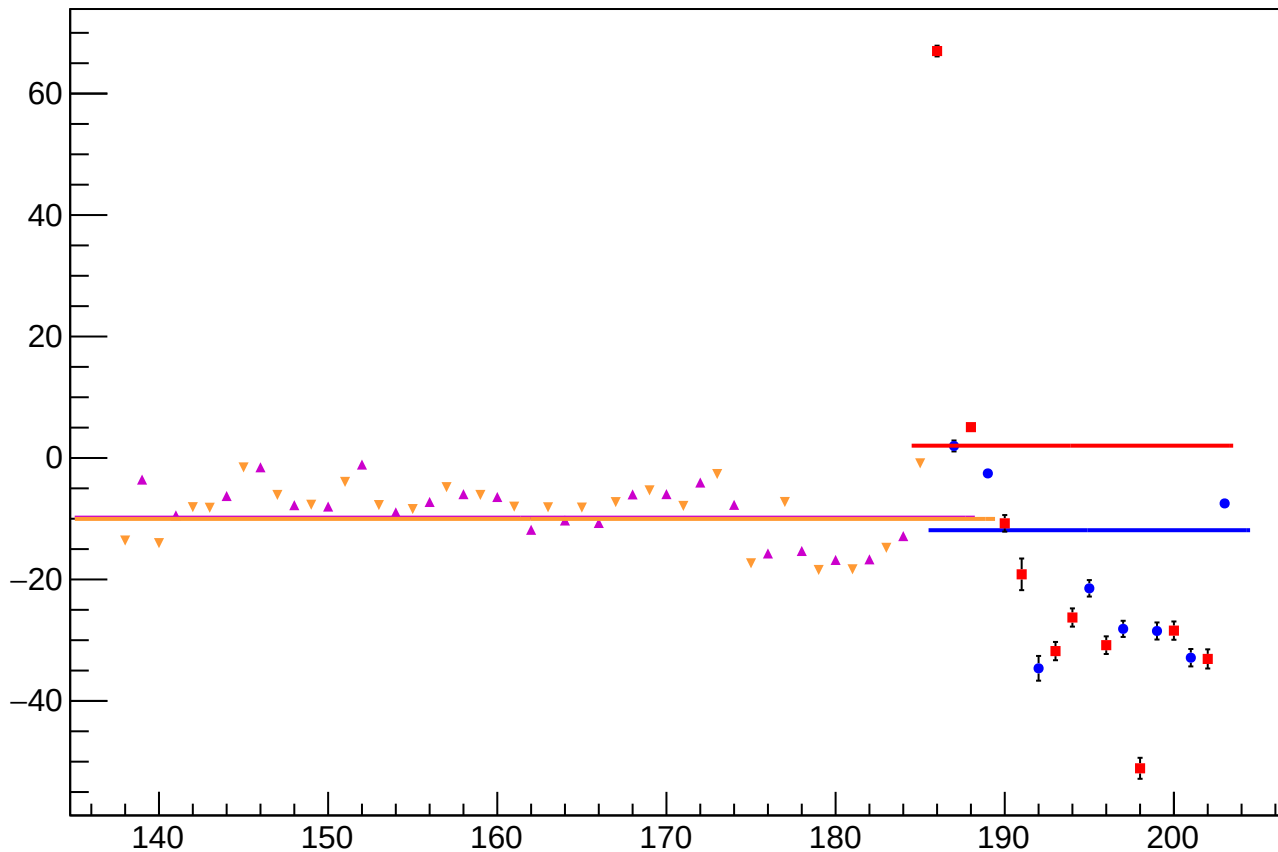
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.237 ± 0.054 $\chi^2/\text{NDF}: 176.6/7$
 Left Out: -0.015 ± 0.006 $\chi^2/\text{NDF}: 1645.9/24$
 Right Out: -1.228 ± 0.049 $\chi^2/\text{NDF}: 486.7/9$
 Left In: 0.009 ± 0.007 $\chi^2/\text{NDF}: 2228.9/22$

Left: -0.003 ± 0.005 $\chi^2/\text{NDF}: 3881.7/47$
 Right: -1.232 ± 0.036 $\chi^2/\text{NDF}: 663.3/17$
 In: -0.009 ± 0.006 $\chi^2/\text{NDF}: 2934.8/30$
 Out: -0.036 ± 0.006 $\chi^2/\text{NDF}: 2743.5/34$
 All: -0.022 ± 0.005 $\chi^2/\text{NDF}: 5687.1/65$

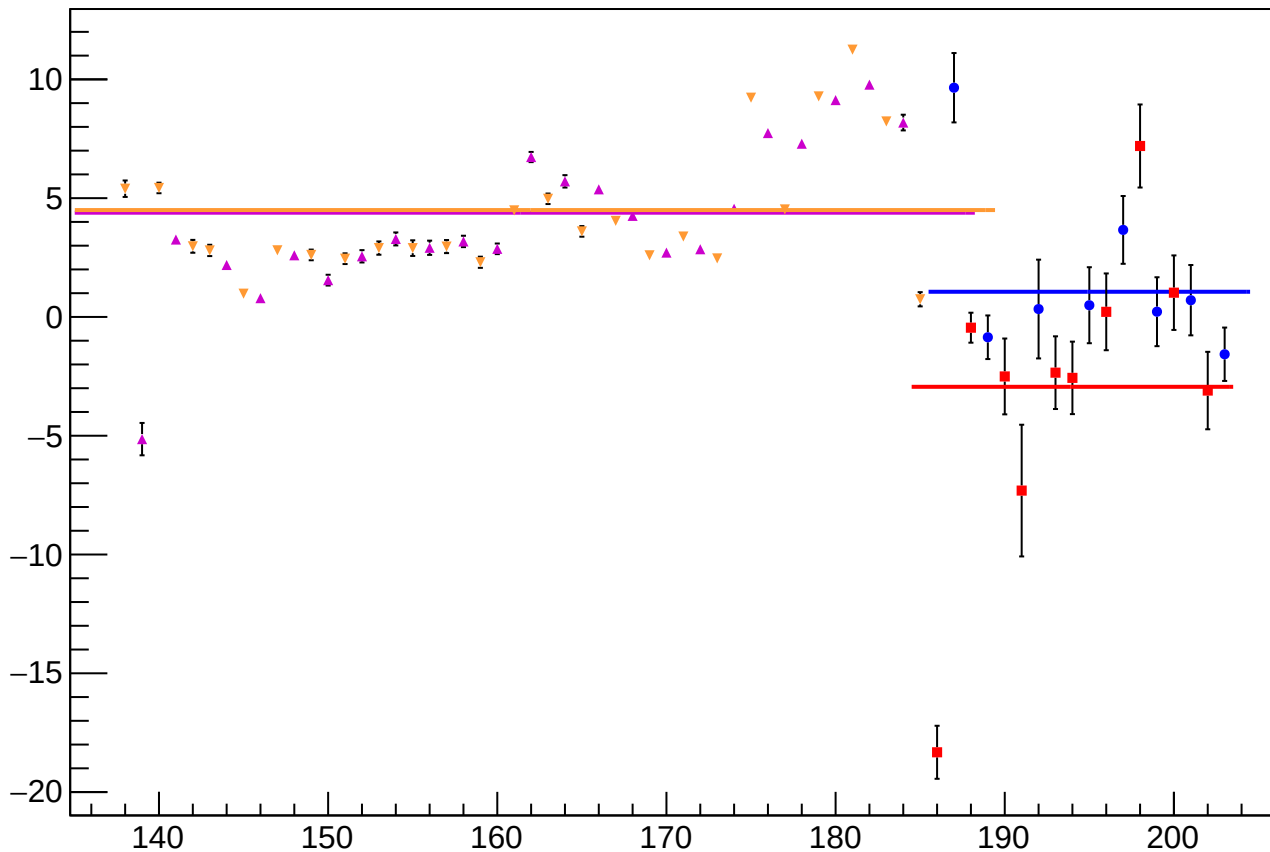
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -11.891 ± 0.383 $\chi^2/\text{NDF}: 1075.5/7$
 Left Out: -10.030 ± 0.051 $\chi^2/\text{NDF}: 12530.2/24$
 Right Out: 2.029 ± 0.324 $\chi^2/\text{NDF}: 8812.8/9$
 Left In: -9.820 ± 0.051 $\chi^2/\text{NDF}: 9468.8/22$

Left: -9.926 ± 0.036 $\chi^2/\text{NDF}: 22007.5/47$
 Right: -3.766 ± 0.247 $\chi^2/\text{NDF}: 10657.4/17$
 In: -9.856 ± 0.051 $\chi^2/\text{NDF}: 10573.1/30$
 Out: -9.741 ± 0.050 $\chi^2/\text{NDF}: 22696.1/34$
 All: -9.798 ± 0.036 $\chi^2/\text{NDF}: 33271.8/65$

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.060 ± 0.472 $\chi^2/\text{NDF}: 48.4/7$

Left Out: 4.499 ± 0.041 $\chi^2/\text{NDF}: 4809.3/24$

Right Out: -2.941 ± 0.402 $\chi^2/\text{NDF}: 252.1/9$

Left In: 4.388 ± 0.041 $\chi^2/\text{NDF}: 4266.4/22$

Left: 4.444 ± 0.029 $\chi^2/\text{NDF}: 9079.4/47$

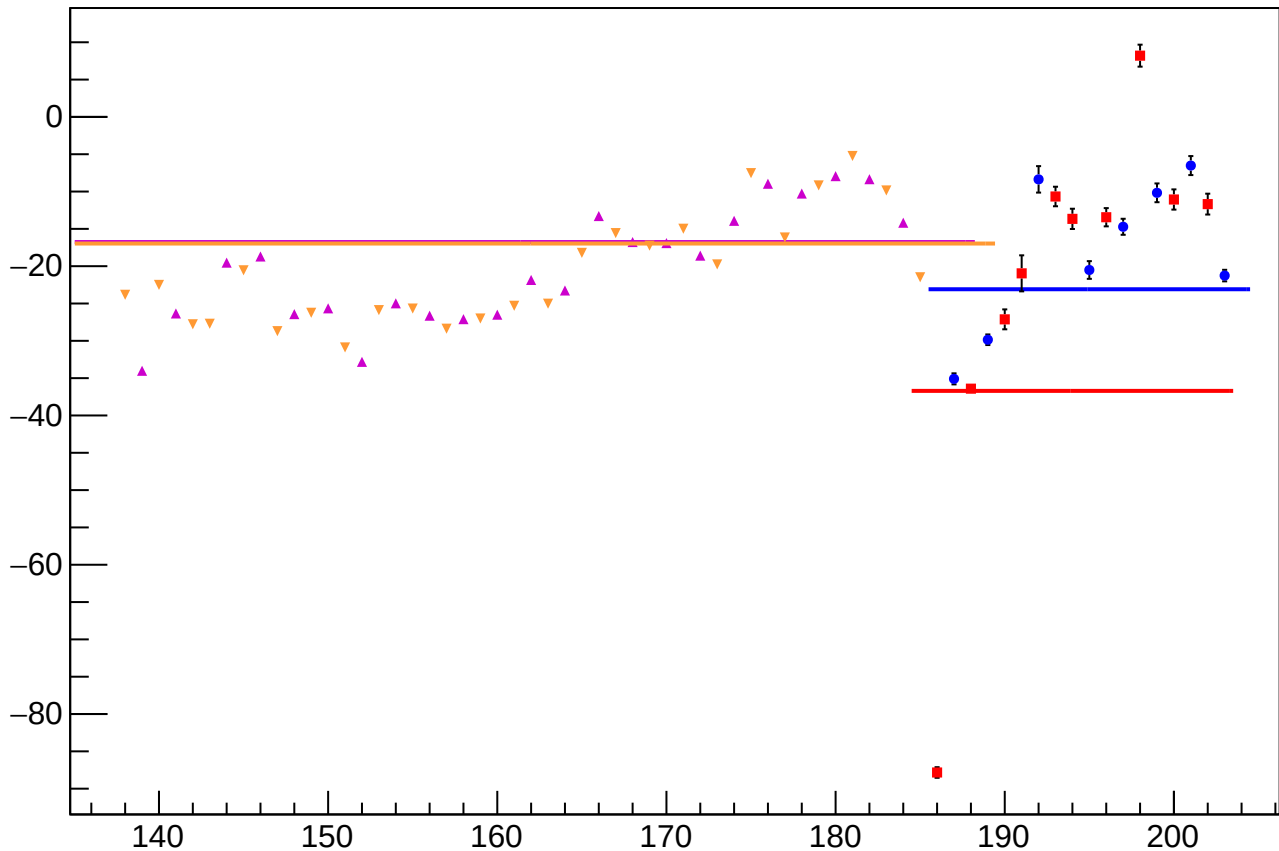
Right: -1.258 ± 0.306 $\chi^2/\text{NDF}: 342.2/17$

In: 4.363 ± 0.041 $\chi^2/\text{NDF}: 4364.2/30$

Out: 4.423 ± 0.041 $\chi^2/\text{NDF}: 5400.5/34$

All: 4.393 ± 0.029 $\chi^2/\text{NDF}: 9765.8/65$

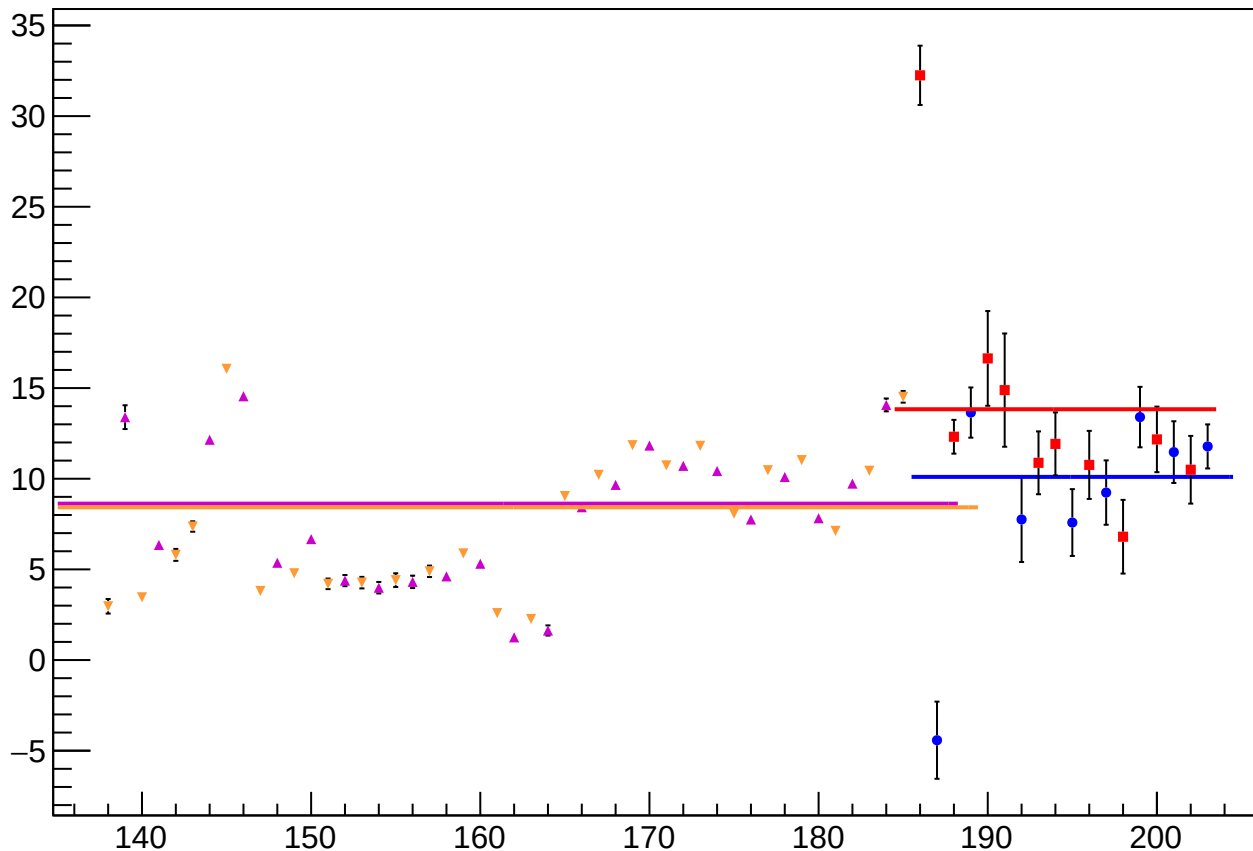
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -23.090 +/- 0.341 χ^2/NDF : 768.1/7
 Left Out: -16.965 +/- 0.051 χ^2/NDF : 21902.1/24
 Right Out: -36.706 +/- 0.270 χ^2/NDF : 7922.2/9
 Left In: -16.764 +/- 0.051 χ^2/NDF : 19037.7/22

Left: -16.865 +/- 0.036 χ^2/NDF : 40947.4/47
 Right: -31.464 +/- 0.211 χ^2/NDF : 9672.8/17
 In: -16.905 +/- 0.051 χ^2/NDF : 20142.9/30
 Out: -17.651 +/- 0.050 χ^2/NDF : 35001.7/34
 All: -17.282 +/- 0.036 χ^2/NDF : 55253.7/65

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.101±/-0.585 χ^2/NDF : 62.7/7

Left Out: 8.424±/-0.046 χ^2/NDF : 6478.6/24

Right Out: 13.833±/-0.530 χ^2/NDF : 153.6/9

Left In: 8.626±/-0.046 χ^2/NDF : 5531.9/22

Left: 8.524±/-0.032 χ^2/NDF : 12020.2/47

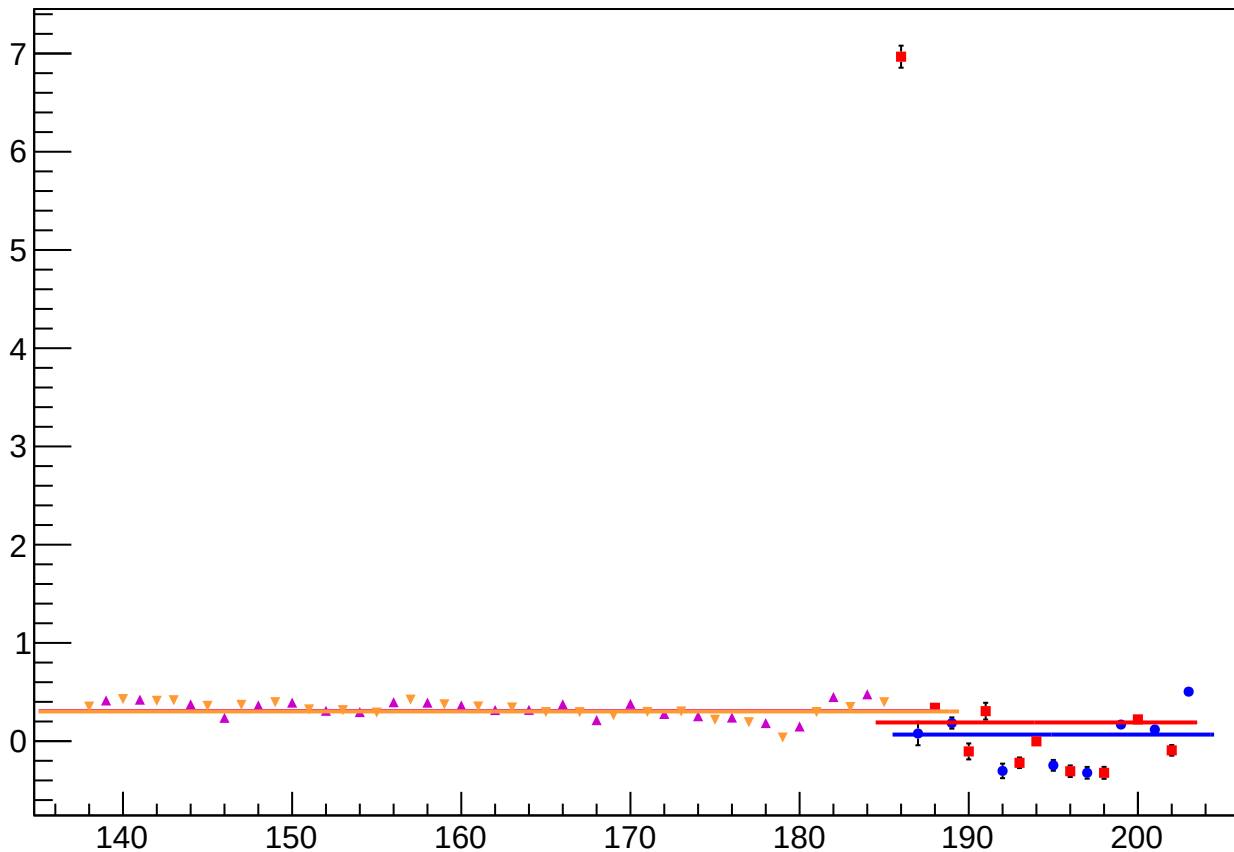
Right: 12.151±/-0.393 χ^2/NDF : 238.6/17

In: 8.635±/-0.046 χ^2/NDF : 5600.9/30

Out: 8.464±/-0.045 χ^2/NDF : 6735.5/34

All: 8.548±/-0.032 χ^2/NDF : 12343.4/65

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 $\pm$ 0.020 χ^2 /NDF: 186.6/7

Left Out: 0.302 $\pm$ 0.002 χ^2 /NDF:1589.8/24

Right Out: 0.190 $\pm$ 0.019 χ^2 /NDF: 3918.1/9

Left In: 0.307 $\pm$ 0.002 χ^2 /NDF:1716.8/22

Left: 0.305 $\pm$ 0.001 χ^2 /NDF: 3309.3/47

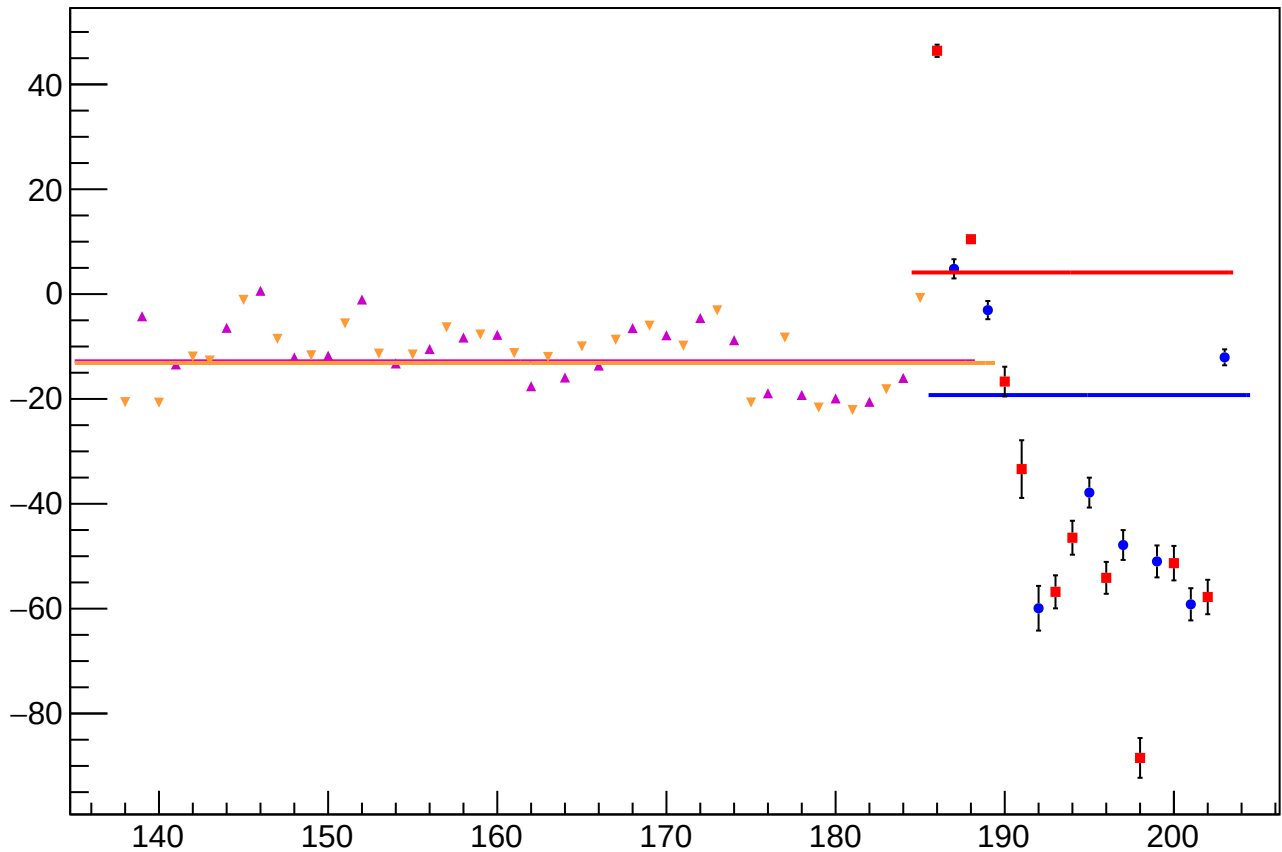
Right: 0.134 $\pm$ 0.014 χ^2 /NDF: 4124.8/17

In: 0.305 $\pm$ 0.002 χ^2 /NDF:2042.5/30

Out: 0.301 $\pm$ 0.002 χ^2 /NDF:5543.8/34

All: 0.303 $\pm$ 0.001 χ^2 /NDF: 7587.9/65

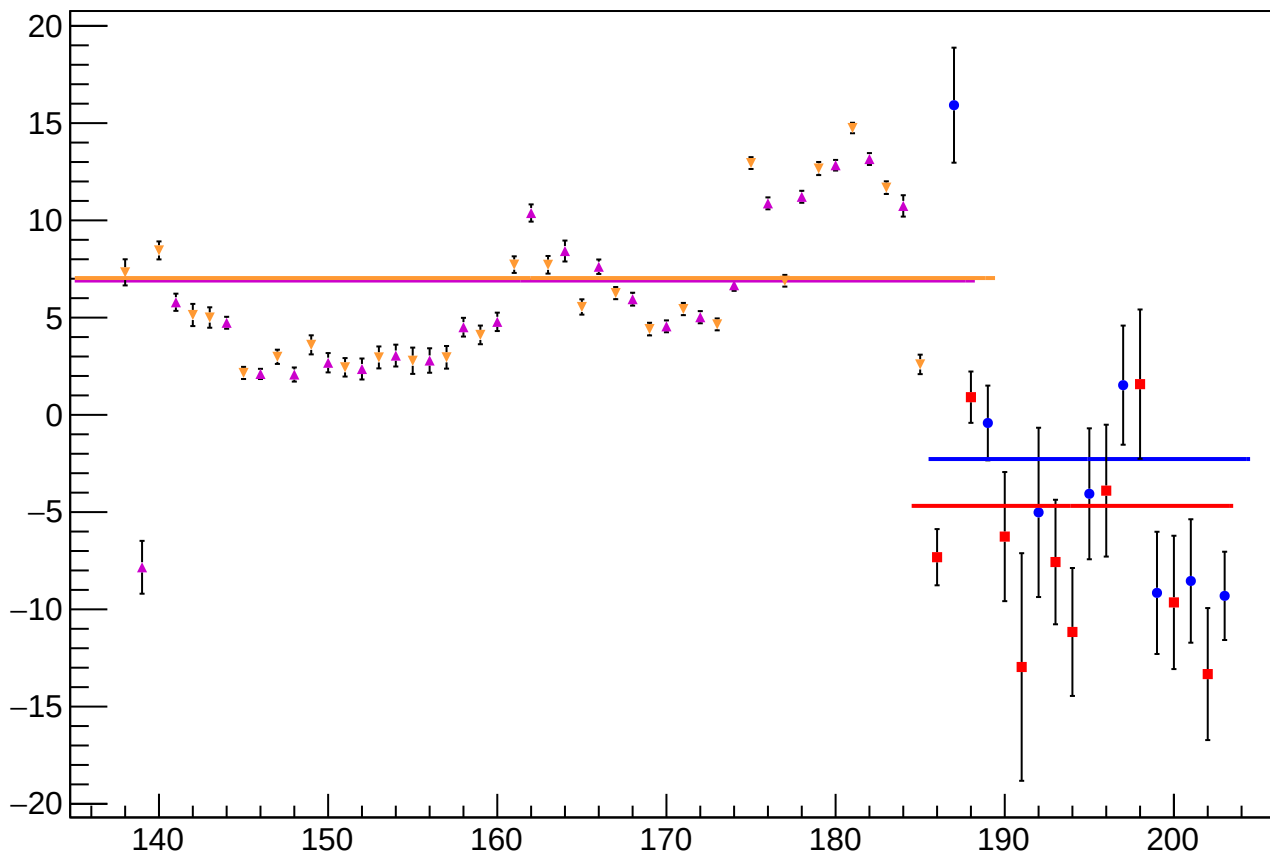
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -19.260 ± 0.796 $\chi^2/\text{NDF}: 794.7/7$
 Left Out: -13.133 ± 0.094 $\chi^2/\text{NDF}: 5974.5/24$
 Right Out: 4.124 ± 0.620 $\chi^2/\text{NDF}: 3680.4/9$
 Left In: -12.823 ± 0.095 $\chi^2/\text{NDF}: 4841.5/22$

Left: -12.979 ± 0.067 $\chi^2/\text{NDF}: 10821.3/47$
 Right: -4.708 ± 0.489 $\chi^2/\text{NDF}: 5012.5/17$
 In: -12.913 ± 0.094 $\chi^2/\text{NDF}: 5700.7/30$
 Out: -12.747 ± 0.093 $\chi^2/\text{NDF}: 10412.5/34$
 All: -12.829 ± 0.066 $\chi^2/\text{NDF}: 16114.8/65$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.272 ± 0.987 χ^2/NDF : 59.3/7

Left Out: 7.034 ± 0.077 χ^2/NDF : 2657.5/24

Right Out: -4.680 ± 0.769 χ^2/NDF : 39.5/9

Left In: 6.906 ± 0.077 χ^2/NDF : 2442.8/22

Left: 6.970 ± 0.055 χ^2/NDF : 5101.7/47

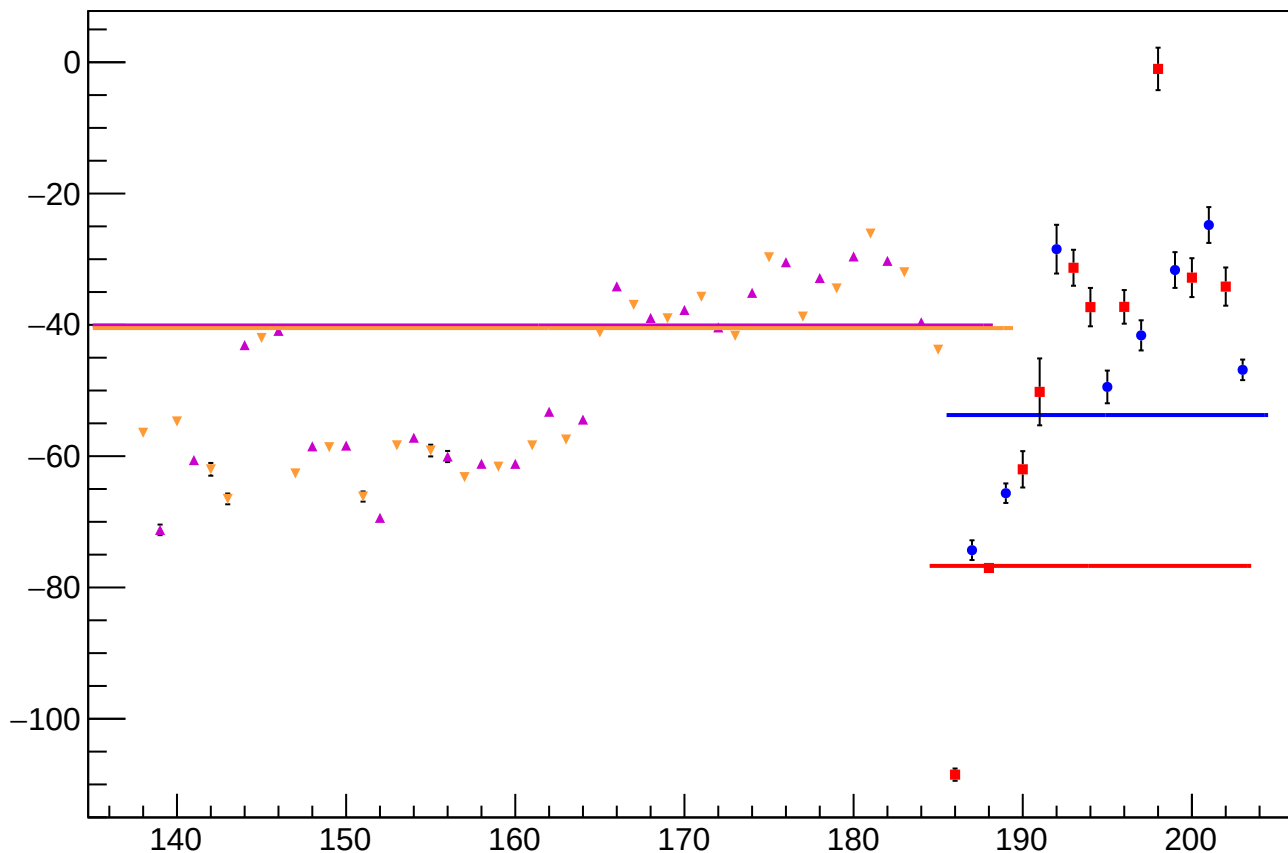
Right: -3.769 ± 0.607 χ^2/NDF : 102.5/17

In: 6.850 ± 0.077 χ^2/NDF : 2588.2/30

Out: 6.917 ± 0.077 χ^2/NDF : 2926.5/34

All: 6.884 ± 0.054 χ^2/NDF : 5515.1/65

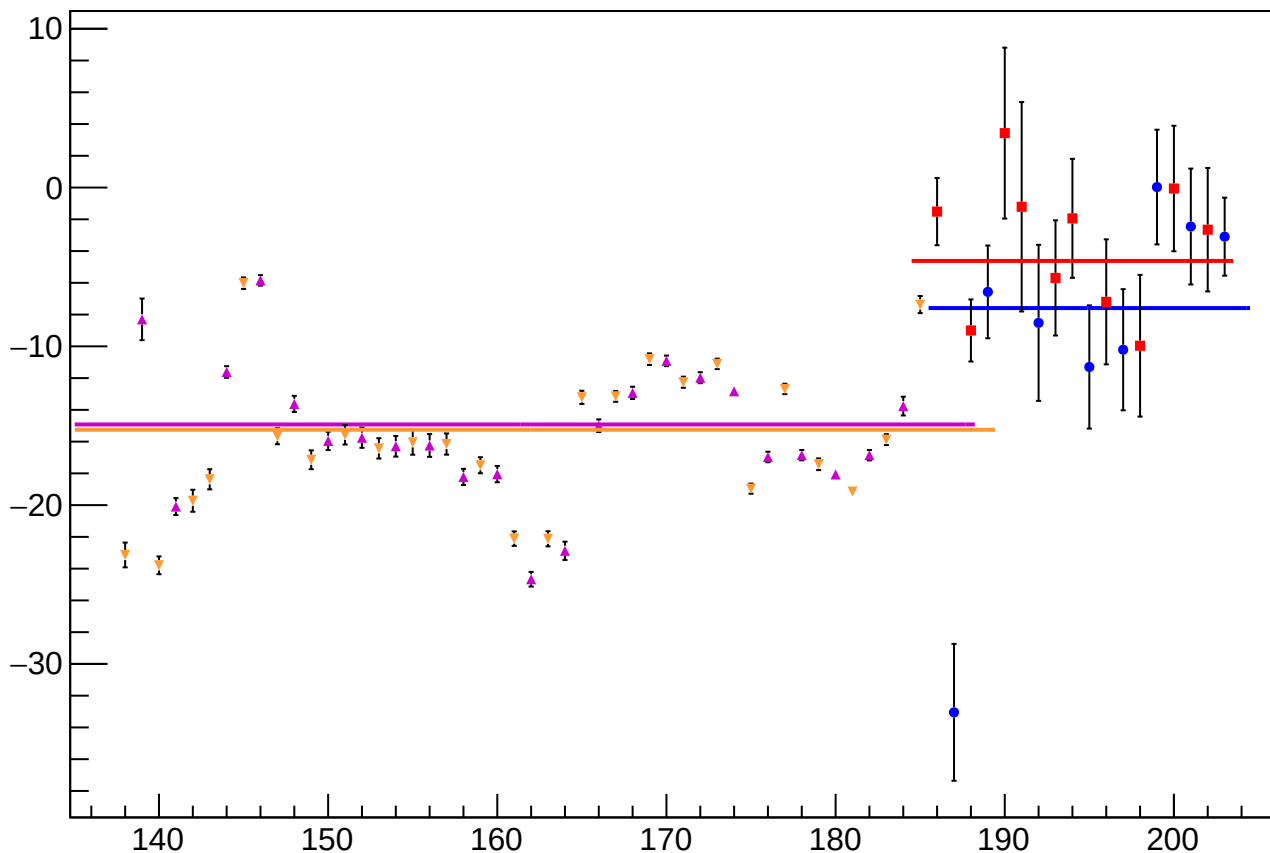
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -53.735 ± 0.708 $\chi^2/\text{NDF}: 526.5/7$
 Left Out: -40.492 ± 0.095 $\chi^2/\text{NDF}: 15435.0/24$
 Right Out: -76.711 ± 0.512 $\chi^2/\text{NDF}: 2885.8/9$
 Left In: -40.091 ± 0.095 $\chi^2/\text{NDF}: 14103.5/22$

Left: -40.292 ± 0.067 $\chi^2/\text{NDF}: 29547.4/47$
 Right: -68.818 ± 0.415 $\chi^2/\text{NDF}: 4103.7/17$
 In: -40.333 ± 0.094 $\chi^2/\text{NDF}: 14994.9/30$
 Out: -41.693 ± 0.093 $\chi^2/\text{NDF}: 23156.4/34$
 All: -41.022 ± 0.066 $\chi^2/\text{NDF}: 38256.2/65$

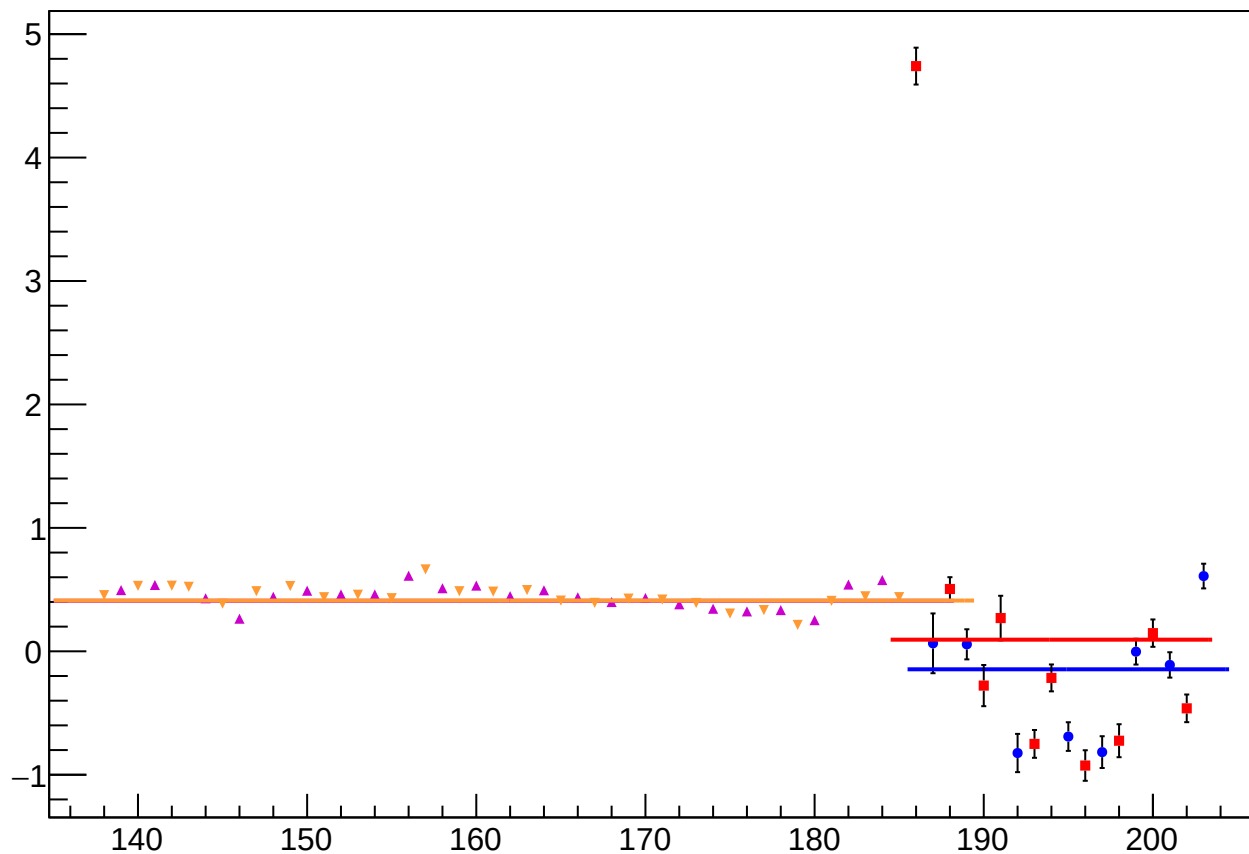
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.590 ± 1.226 $\chi^2/\text{NDF}: 46.2/7$
 Left Out: -15.254 ± 0.086 $\chi^2/\text{NDF}: 2594.4/24$
 Right Out: -4.620 ± 1.035 $\chi^2/\text{NDF}: 13.7/9$
 Left In: -14.919 ± 0.087 $\chi^2/\text{NDF}: 2207.7/22$

Left: -15.088 ± 0.061 $\chi^2/\text{NDF}: 4809.7/47$
 Right: -5.855 ± 0.791 $\chi^2/\text{NDF}: 63.4/17$
 In: -14.883 ± 0.086 $\chi^2/\text{NDF}: 2289.5/30$
 Out: -15.181 ± 0.086 $\chi^2/\text{NDF}: 2713.0/34$
 All: -15.033 ± 0.061 $\chi^2/\text{NDF}: 5008.6/65$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.146 ± 0.043 $\chi^2/\text{NDF}: 130.9/7$

Left Out: 0.411 ± 0.004 $\chi^2/\text{NDF}: 428.8/24$

Right Out: 0.094 ± 0.039 $\chi^2/\text{NDF}: 1186.6/9$

Left In: 0.409 ± 0.004 $\chi^2/\text{NDF}: 561.9/22$

Left: 0.410 ± 0.003 $\chi^2/\text{NDF}: 990.8/47$

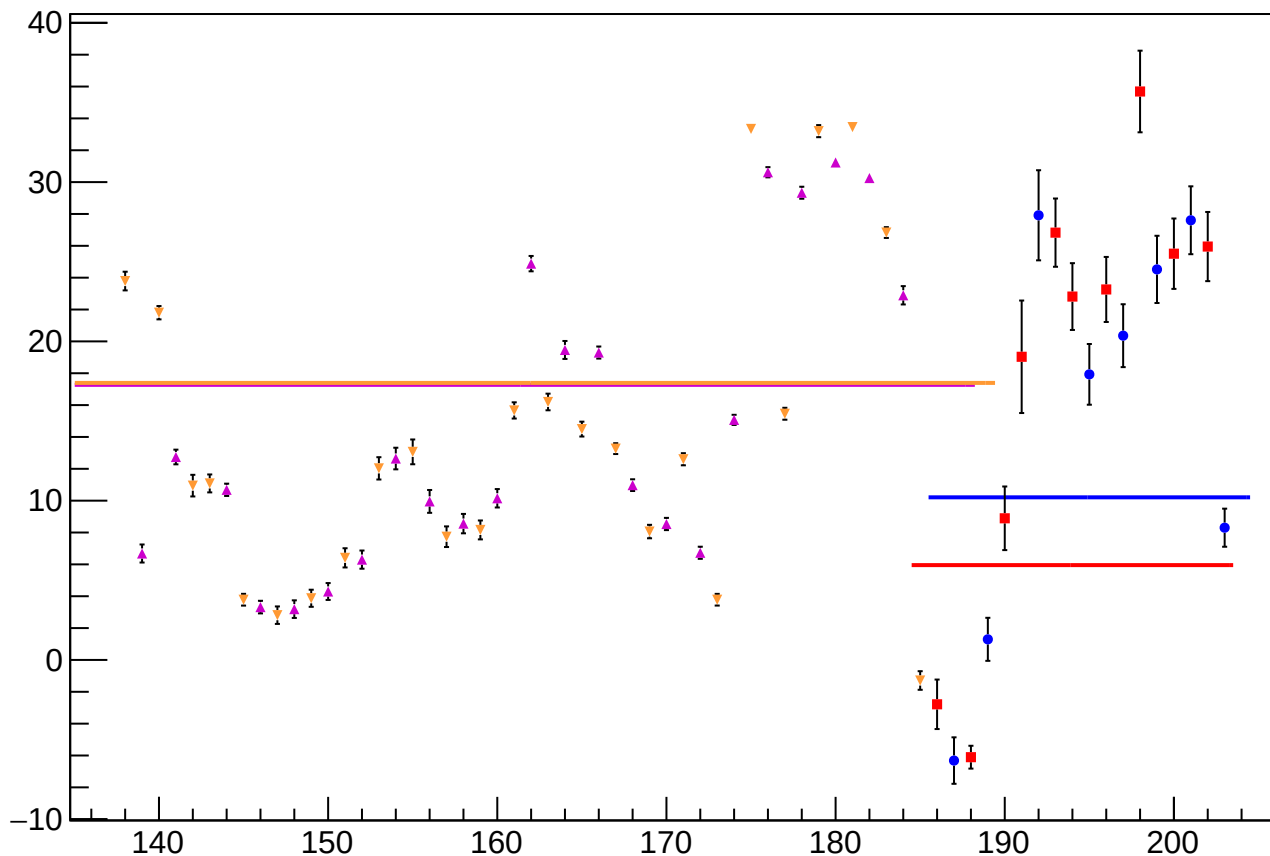
Right: -0.014 ± 0.029 $\chi^2/\text{NDF}: 1334.9/17$

In: 0.405 ± 0.004 $\chi^2/\text{NDF}: 859.9/30$

Out: 0.408 ± 0.004 $\chi^2/\text{NDF}: 1681.7/34$

All: 0.406 ± 0.003 $\chi^2/\text{NDF}: 2542.0/65$

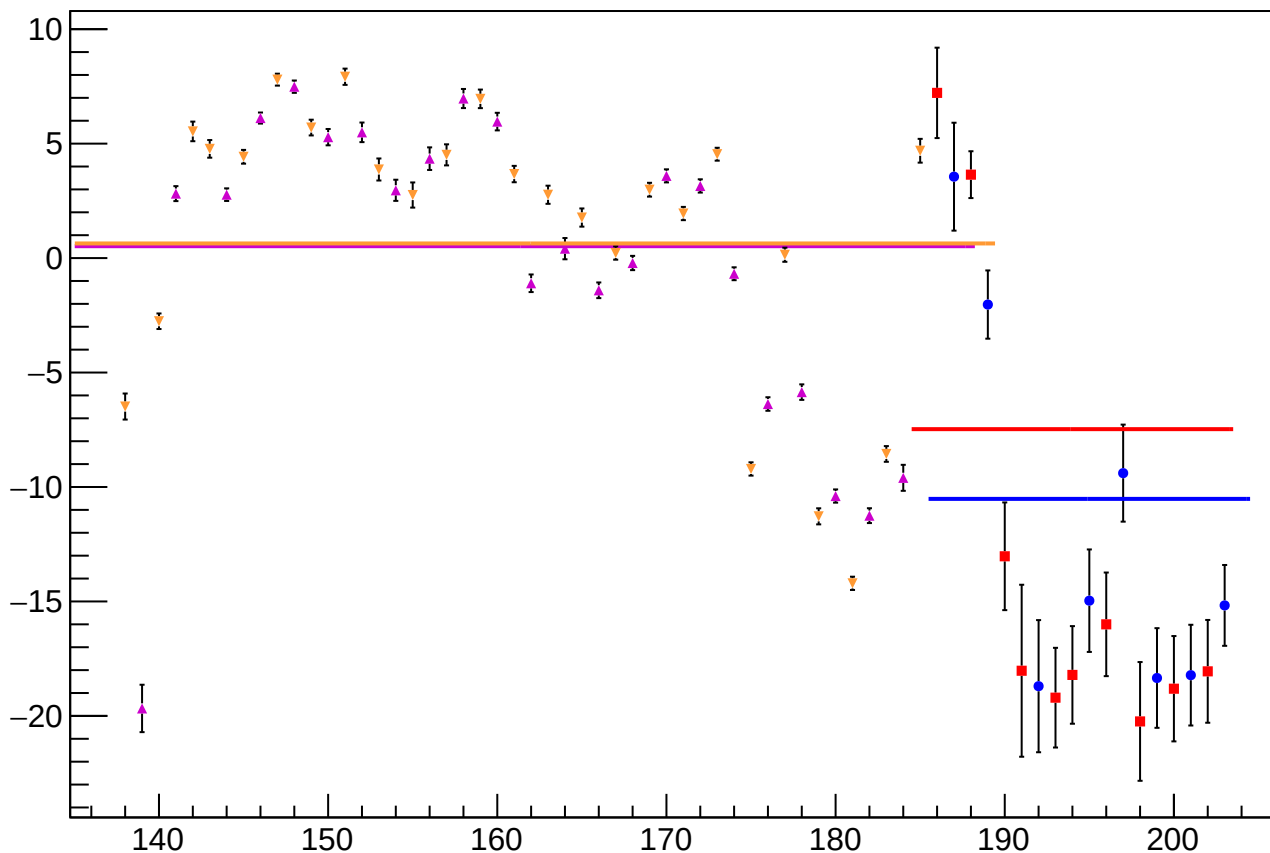
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 10.209 $\pm$ 0.596 χ^2 /NDF: 369.1/7
 Left Out: 17.393 $\pm$ 0.087 χ^2 /NDF:16305.7/24
 Right Out: 5.953 $\pm$ 0.503 χ^2 /NDF: 859.7/9
 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: 7.727 $\pm$ 0.384 χ^2 /NDF: 1258.6/17
 In: 17.118 $\pm$ 0.088 χ^2 /NDF:13398.8/30
 Out: 17.060 $\pm$ 0.086 χ^2 /NDF:17666.7/34
 All: 17.088 $\pm$ 0.061 χ^2 /NDF: 31065.8/65

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.519 ± 0.723 χ^2/NDF : 112.5/7

Left Out: 0.639 ± 0.070 χ^2/NDF : 8514.9/24

Right Out: -7.473 ± 0.617 χ^2/NDF : 326.2/9

Left In: 0.519 ± 0.071 χ^2/NDF : 6776.8/22

Left: 0.580 ± 0.050 χ^2/NDF : 15293.1/47

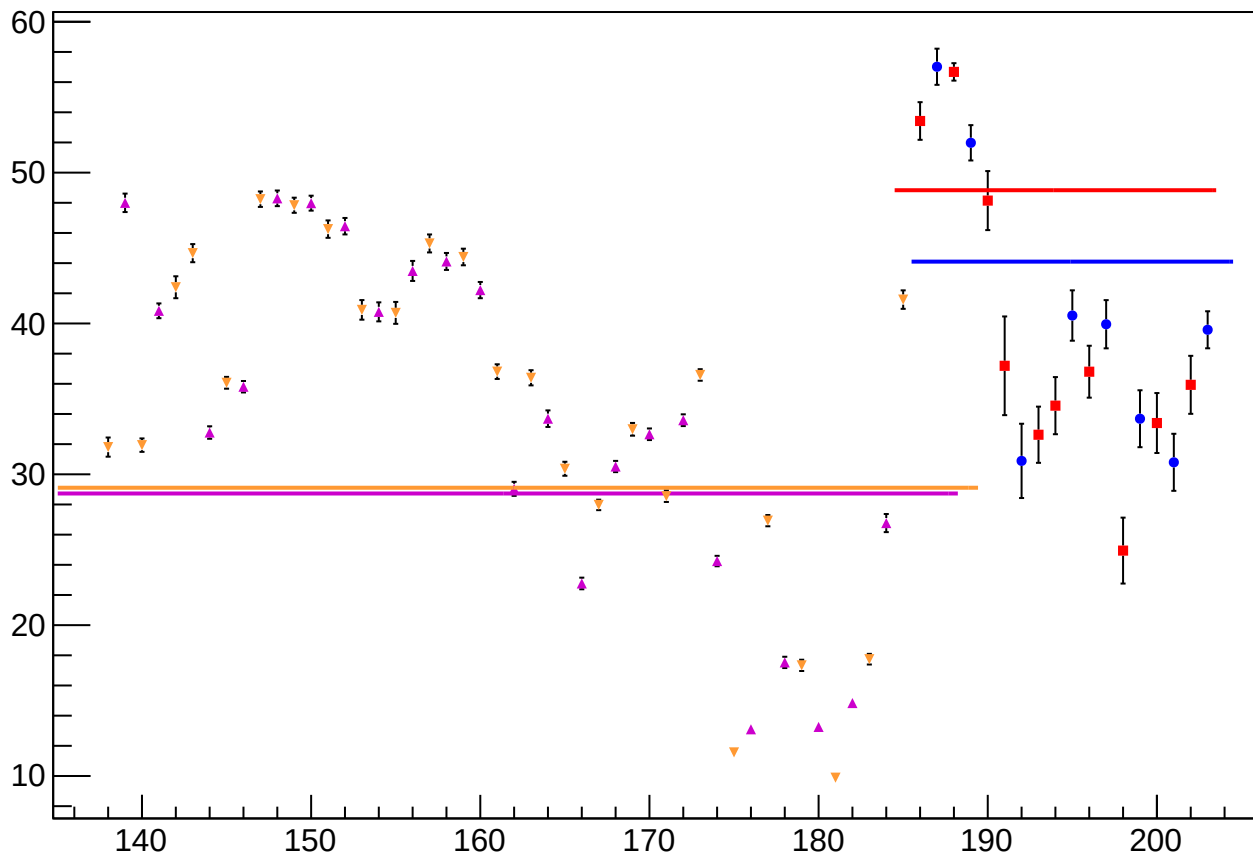
Right: -8.756 ± 0.470 χ^2/NDF : 449.0/17

In: 0.415 ± 0.070 χ^2/NDF : 7119.8/30

Out: 0.538 ± 0.069 χ^2/NDF : 9011.7/34

All: 0.477 ± 0.049 χ^2/NDF : 16133.1/65

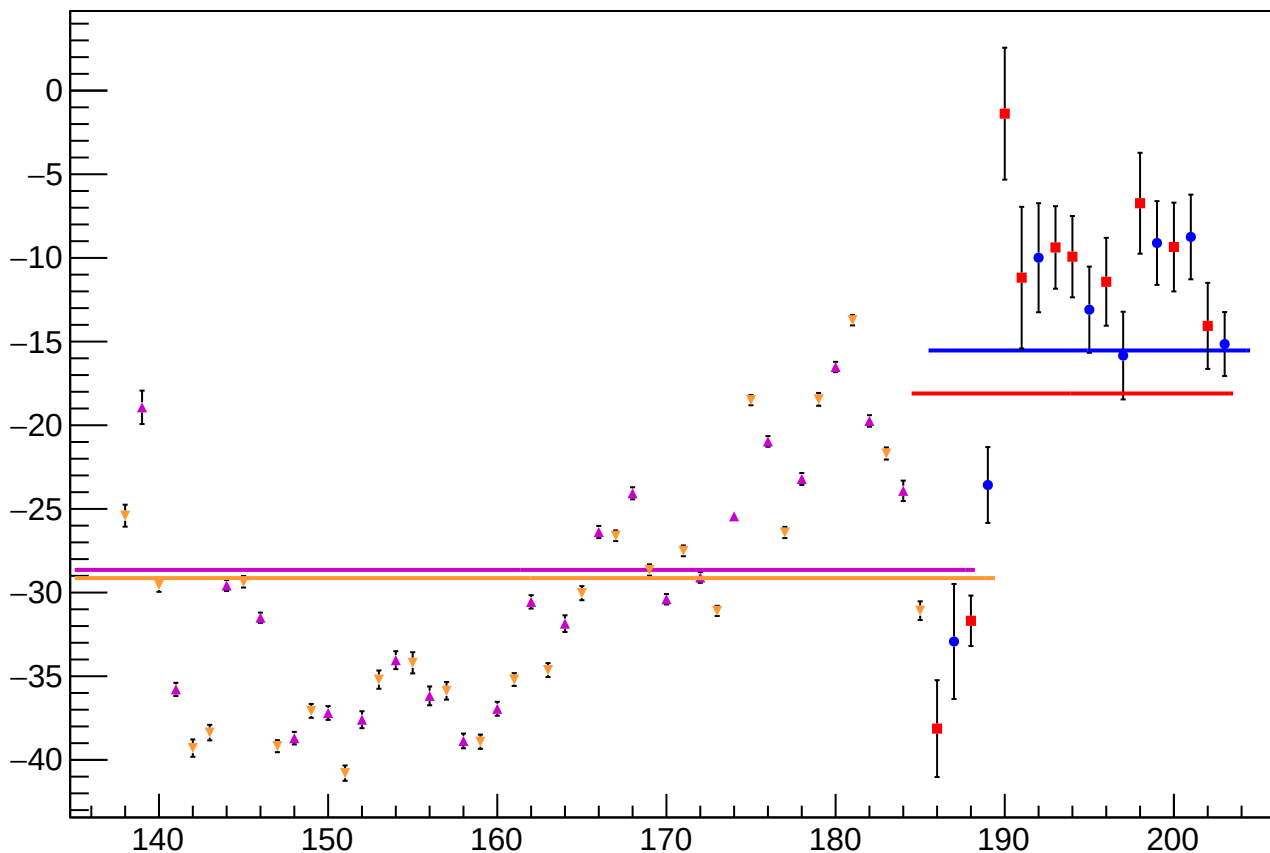
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 44.100 $\pm$ 0.530 χ^2 /NDF: 295.0/7
 Left Out: 29.110 $\pm$ 0.088 χ^2 /NDF:18845.8/24
 Right Out: 48.834 $\pm$ 0.422 χ^2 /NDF: 616.4/9
 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: 46.997 $\pm$ 0.330 χ^2 /NDF: 960.3/17
 In: 29.148 $\pm$ 0.088 χ^2 /NDF:18151.4/30
 Out: 29.931 $\pm$ 0.086 χ^2 /NDF:21558.1/34
 All: 29.546 $\pm$ 0.061 χ^2 /NDF: 39750.2/65

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.531 ± 0.891 $\chi^2/\text{NDF}: 55.8/7$
 Left Out: -29.134 ± 0.078 $\chi^2/\text{NDF}: 8998.0/24$
 Right Out: -18.102 ± 0.800 $\chi^2/\text{NDF}: 207.5/9$
 Left In: -28.645 ± 0.080 $\chi^2/\text{NDF}: 6693.5/22$

Left: -28.893 ± 0.056 $\chi^2/\text{NDF}: 15710.7/47$

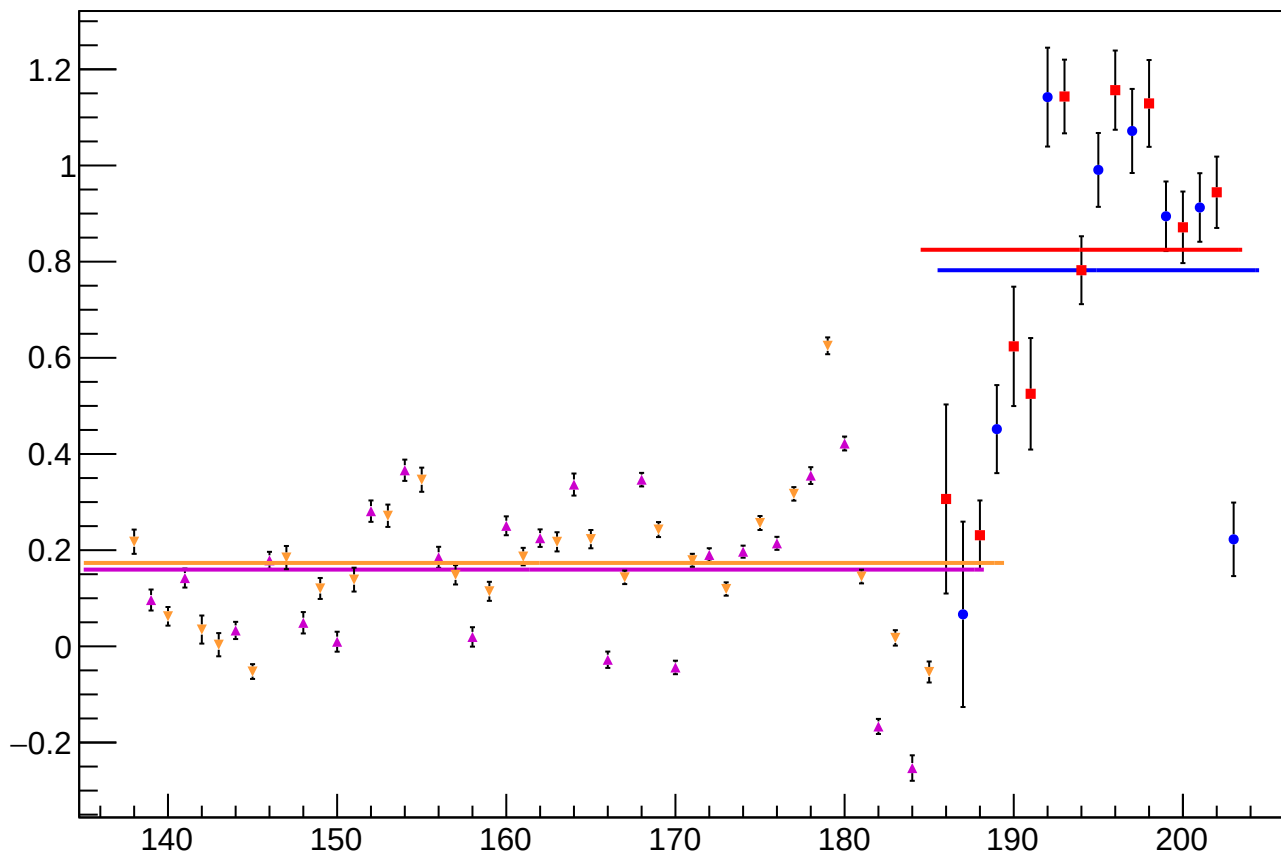
Right: -16.954 ± 0.596 $\chi^2/\text{NDF}: 267.9/17$

In: -28.541 ± 0.079 $\chi^2/\text{NDF}: 6964.0/30$

Out: -29.029 ± 0.078 $\chi^2/\text{NDF}: 9393.6/34$

All: -28.789 ± 0.056 $\chi^2/\text{NDF}: 16376.9/65$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.782 $\pm$ 0.030 χ^2 /NDF: 116.8/7

Left Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1468.8/24

Right Out: 0.825 $\pm$ 0.027 χ^2 /NDF: 131.9/9

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

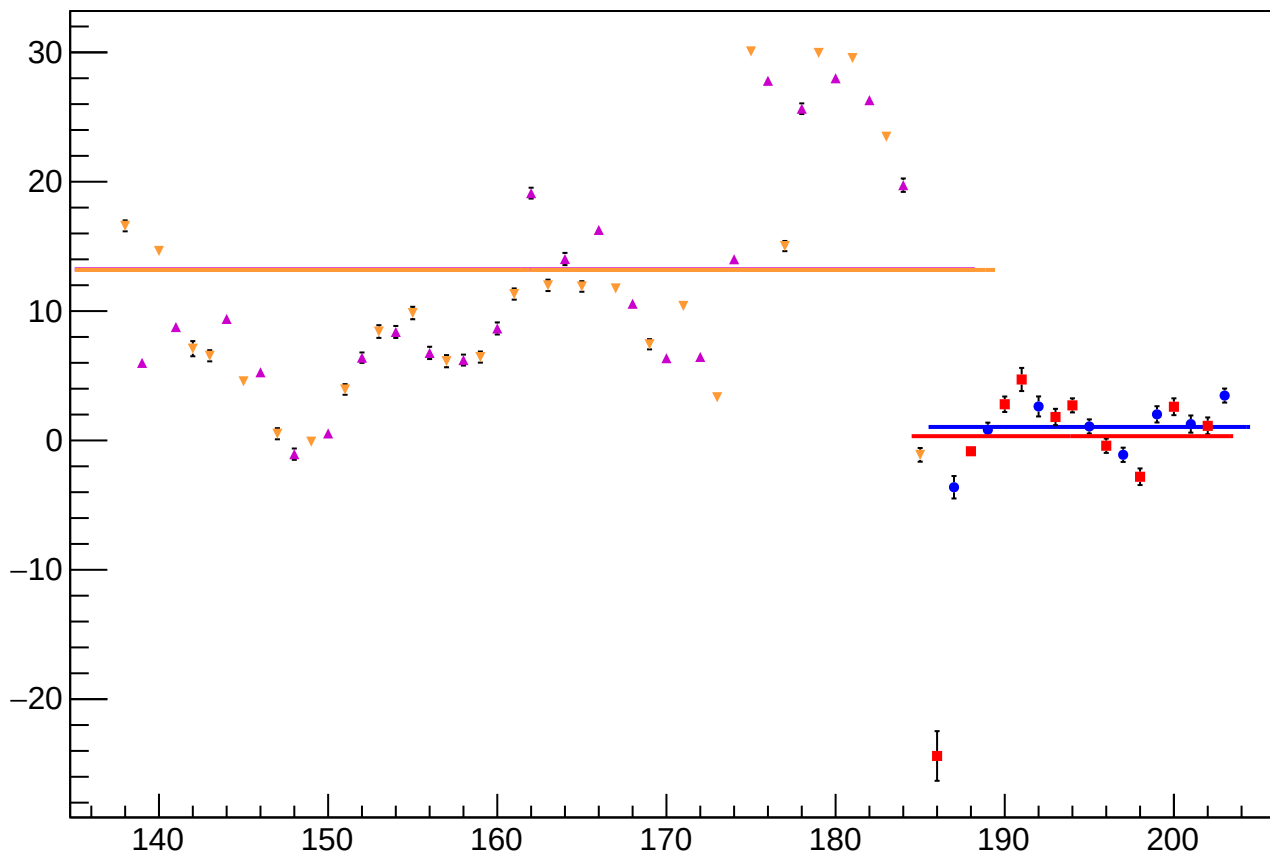
Right: 0.806 $\pm$ 0.020 χ^2 /NDF: 249.7/17

In: 0.169 $\pm$ 0.004 χ^2 /NDF:2600.8/30

Out: 0.185 $\pm$ 0.004 χ^2 /NDF:2167.4/34

All: 0.177 $\pm$ 0.003 χ^2 /NDF: 4778.3/65

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.043 ± 0.218 $\chi^2/\text{NDF}: 70.9/7$

Left Out: 13.181 ± 0.075 $\chi^2/\text{NDF}: 17039.3/24$

Right Out: 0.330 ± 0.174 $\chi^2/\text{NDF}: 288.0/9$

Left In: 13.228 ± 0.077 $\chi^2/\text{NDF}: 14126.1/22$

Left: 13.204 ± 0.054 $\chi^2/\text{NDF}: 31165.6/47$

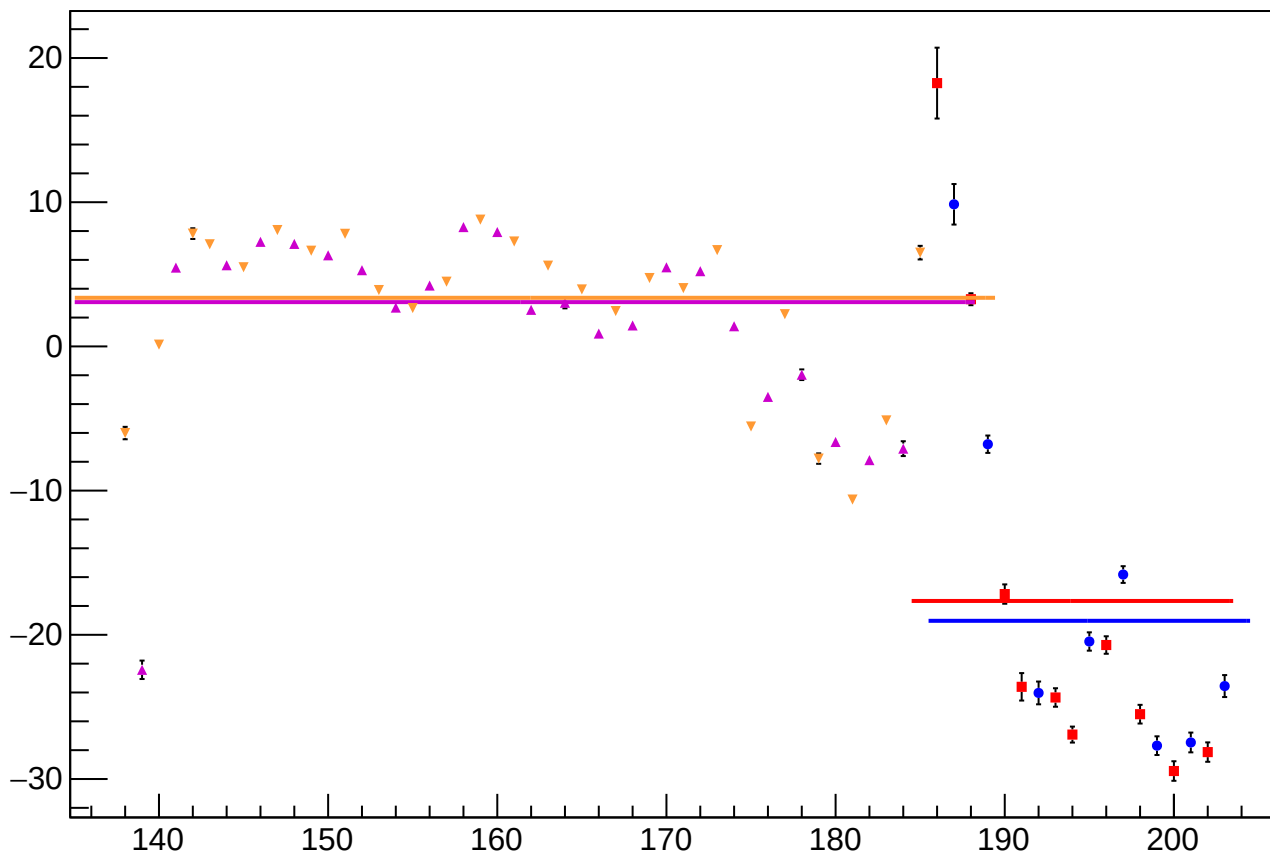
Right: 0.607 ± 0.136 $\chi^2/\text{NDF}: 365.4/17$

In: 11.886 ± 0.072 $\chi^2/\text{NDF}: 16981.1/30$

Out: 11.143 ± 0.069 $\chi^2/\text{NDF}: 21936.3/34$

All: 11.498 ± 0.050 $\chi^2/\text{NDF}: 38972.6/65$

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -19.029 ± 0.246 $\chi^2/\text{NDF}: 1276.4/7$

Left Out: 3.372 ± 0.059 $\chi^2/\text{NDF}: 8053.7/24$

Right Out: -17.653 ± 0.202 $\chi^2/\text{NDF}: 3909.0/9$

Left In: 3.071 ± 0.060 $\chi^2/\text{NDF}: 7269.0/22$

Left: 3.226 ± 0.042 $\chi^2/\text{NDF}: 15335.5/47$

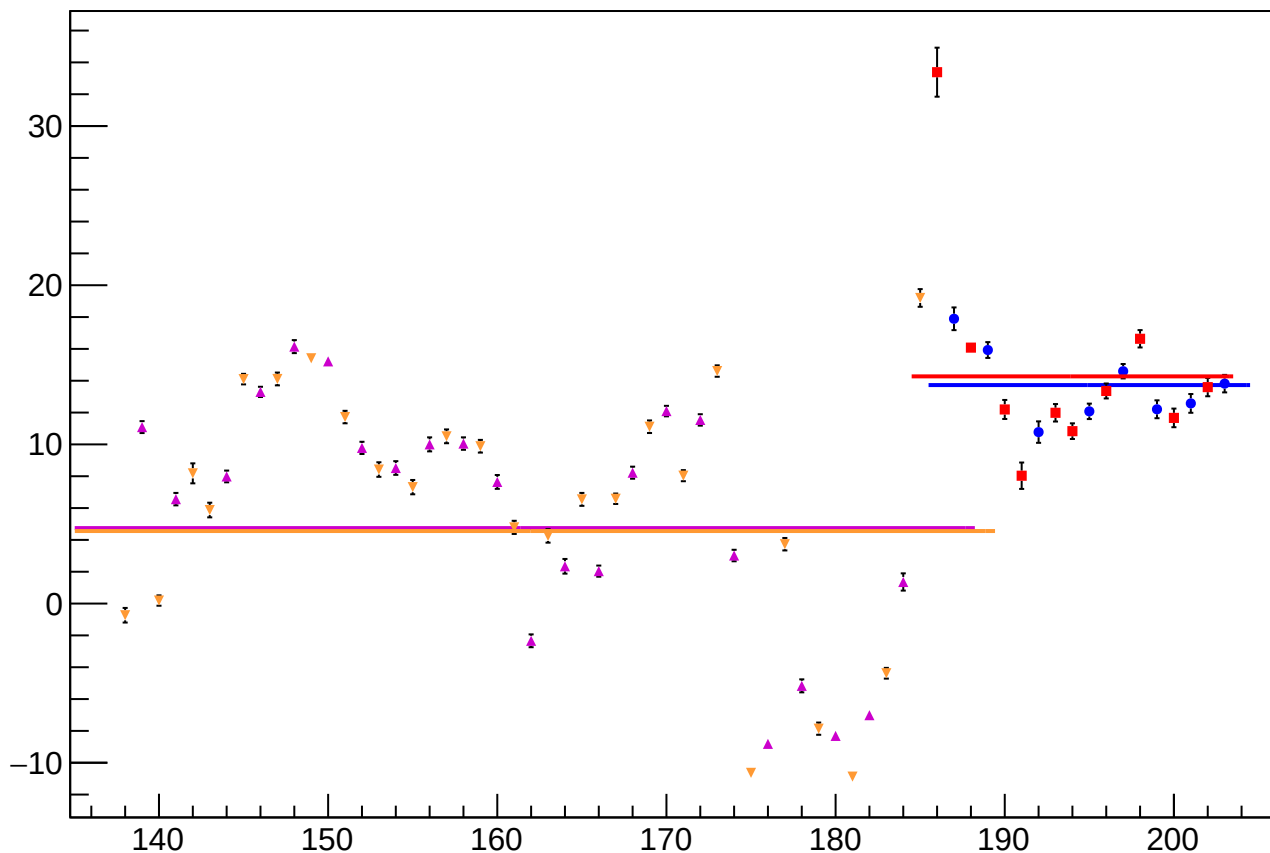
Right: -18.208 ± 0.156 $\chi^2/\text{NDF}: 5204.2/17$

In: 1.813 ± 0.059 $\chi^2/\text{NDF}: 16166.8/30$

Out: 1.744 ± 0.056 $\chi^2/\text{NDF}: 21948.4/34$

All: 1.777 ± 0.041 $\chi^2/\text{NDF}: 38115.9/65$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.727+/-0.194 χ^2/NDF : 99.4/7

Left Out: 4.557+/-0.076 χ^2/NDF :13588.4/24

Right Out: 14.274+/-0.149 χ^2/NDF : 395.3/9

Left In: 4.741+/-0.076 χ^2/NDF :11418.2/22

Left: 4.648+/-0.054 χ^2/NDF : 25009.5/47

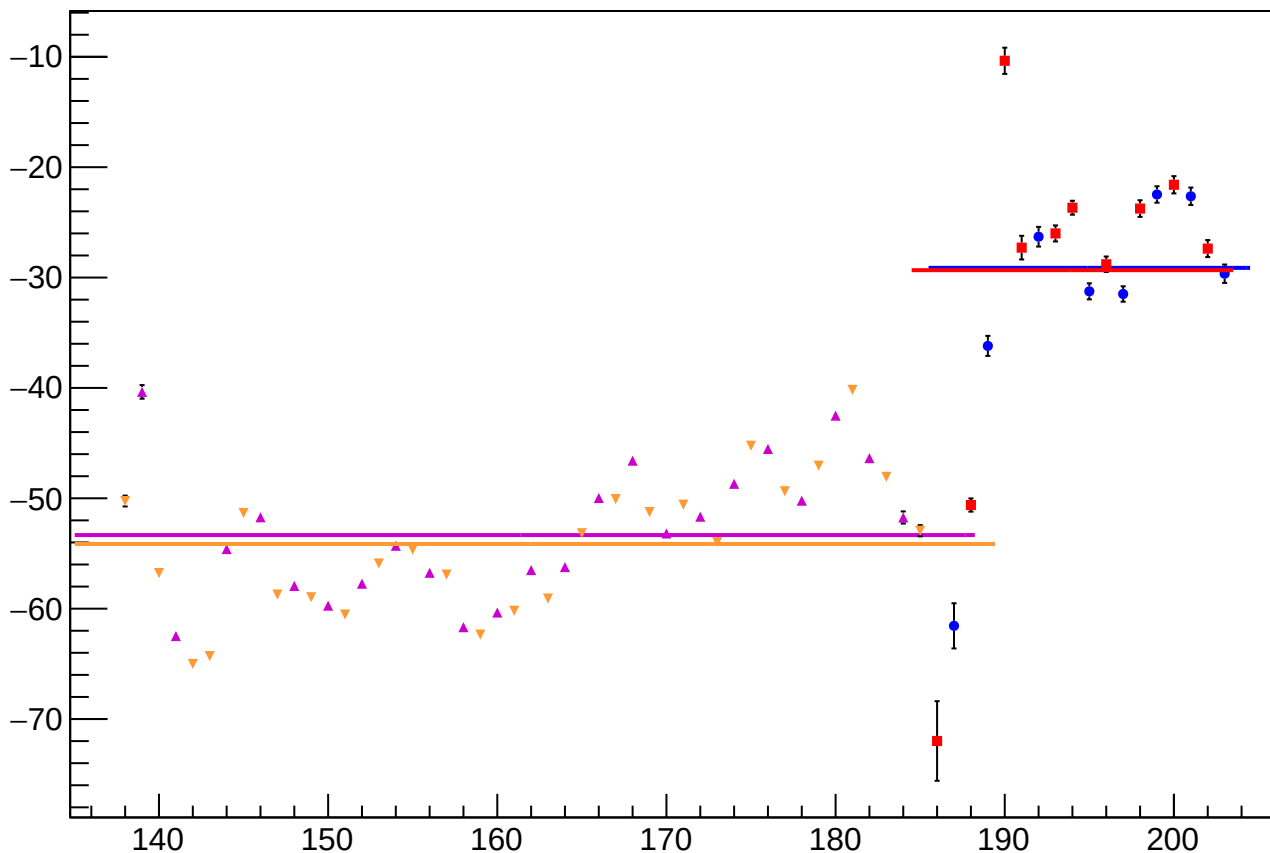
Right: 14.070+/-0.118 χ^2/NDF : 499.7/17

In: 5.953+/-0.071 χ^2/NDF :13383.1/30

Out: 6.545+/-0.067 χ^2/NDF :17369.7/34

All: 6.265+/-0.049 χ^2/NDF : 30789.3/65

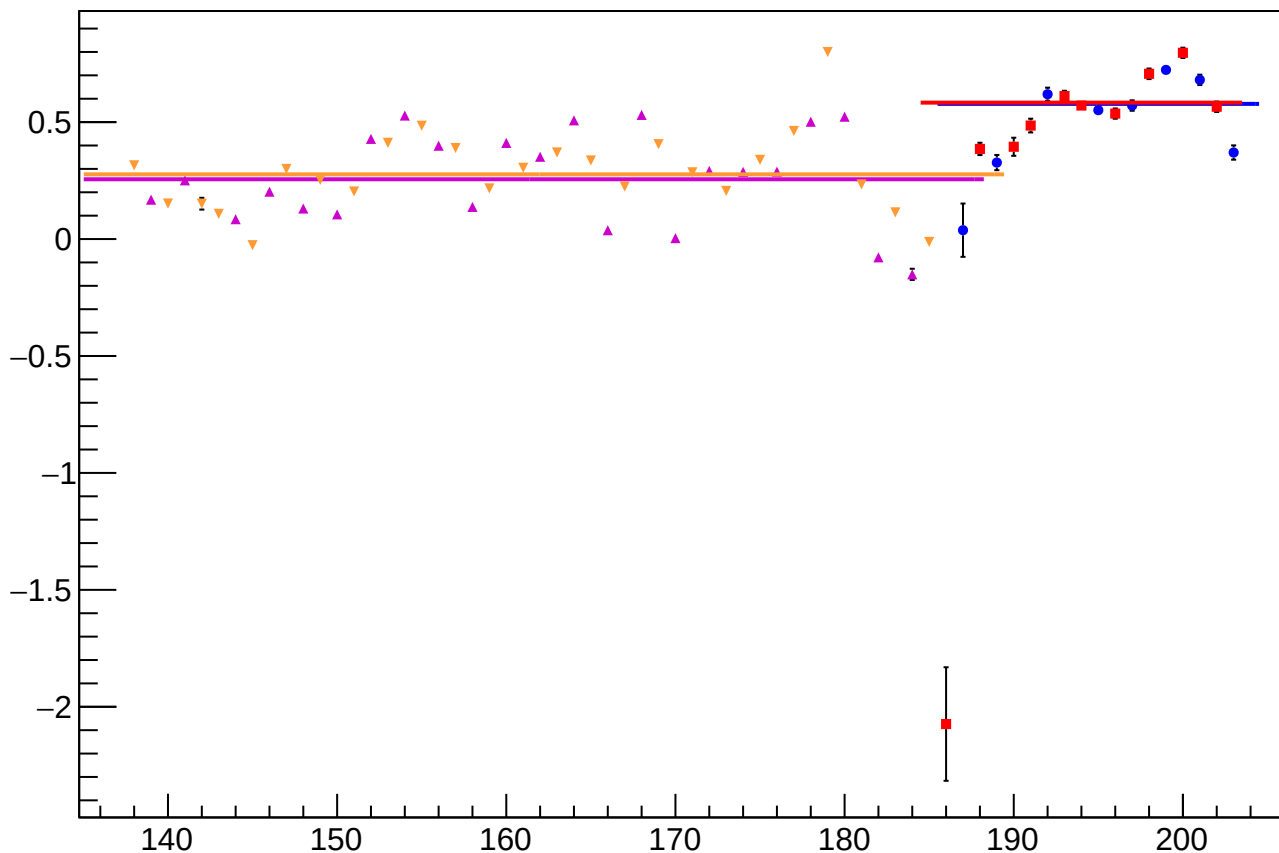
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -29.121 ± 0.295 $\chi^2/\text{NDF}: 489.5/7$
 Left Out: -54.139 ± 0.067 $\chi^2/\text{NDF}: 8301.1/24$
 Right Out: -29.331 ± 0.250 $\chi^2/\text{NDF}: 1921.8/9$
 Left In: -53.330 ± 0.068 $\chi^2/\text{NDF}: 6940.2/22$

Left: -53.745 ± 0.048 $\chi^2/\text{NDF}: 15313.2/47$
 Right: -29.243 ± 0.191 $\chi^2/\text{NDF}: 2411.5/17$
 In: -52.099 ± 0.067 $\chi^2/\text{NDF}: 13826.9/30$
 Out: -52.501 ± 0.064 $\chi^2/\text{NDF}: 19393.7/34$
 All: -52.307 ± 0.046 $\chi^2/\text{NDF}: 33239.6/65$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.578 ± 0.009 χ^2/NDF : 198.9/7

Left Out: 0.277 ± 0.003 χ^2/NDF : 2606.0/24

Right Out: 0.583 ± 0.008 χ^2/NDF : 342.6/9

Left In: 0.256 ± 0.003 χ^2/NDF : 3644.0/22

Left: 0.266 ± 0.002 χ^2/NDF : 6273.6/47

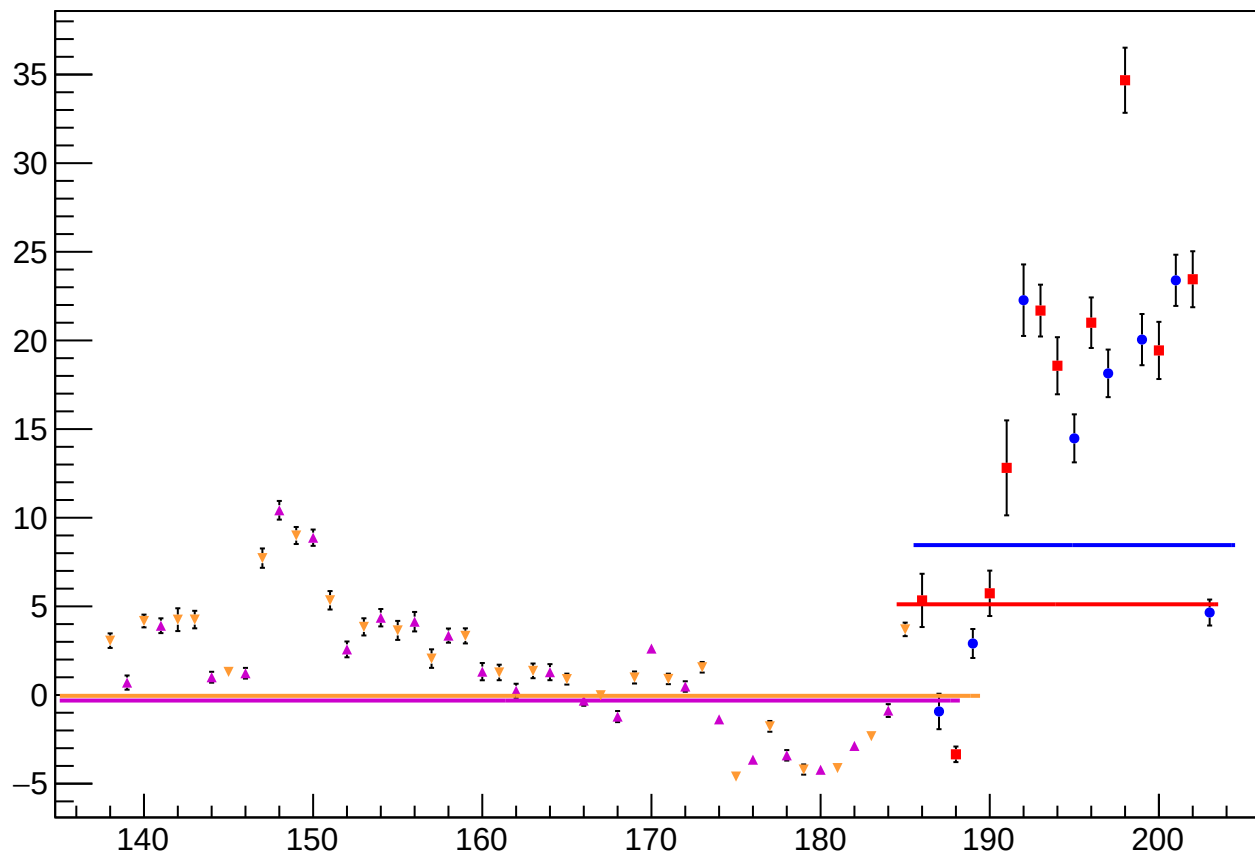
Right: 0.581 ± 0.006 χ^2/NDF : 541.7/17

In: 0.288 ± 0.003 χ^2/NDF : 4936.1/30

Out: 0.317 ± 0.003 χ^2/NDF : 4281.6/34

All: 0.303 ± 0.002 χ^2/NDF : 9269.5/65

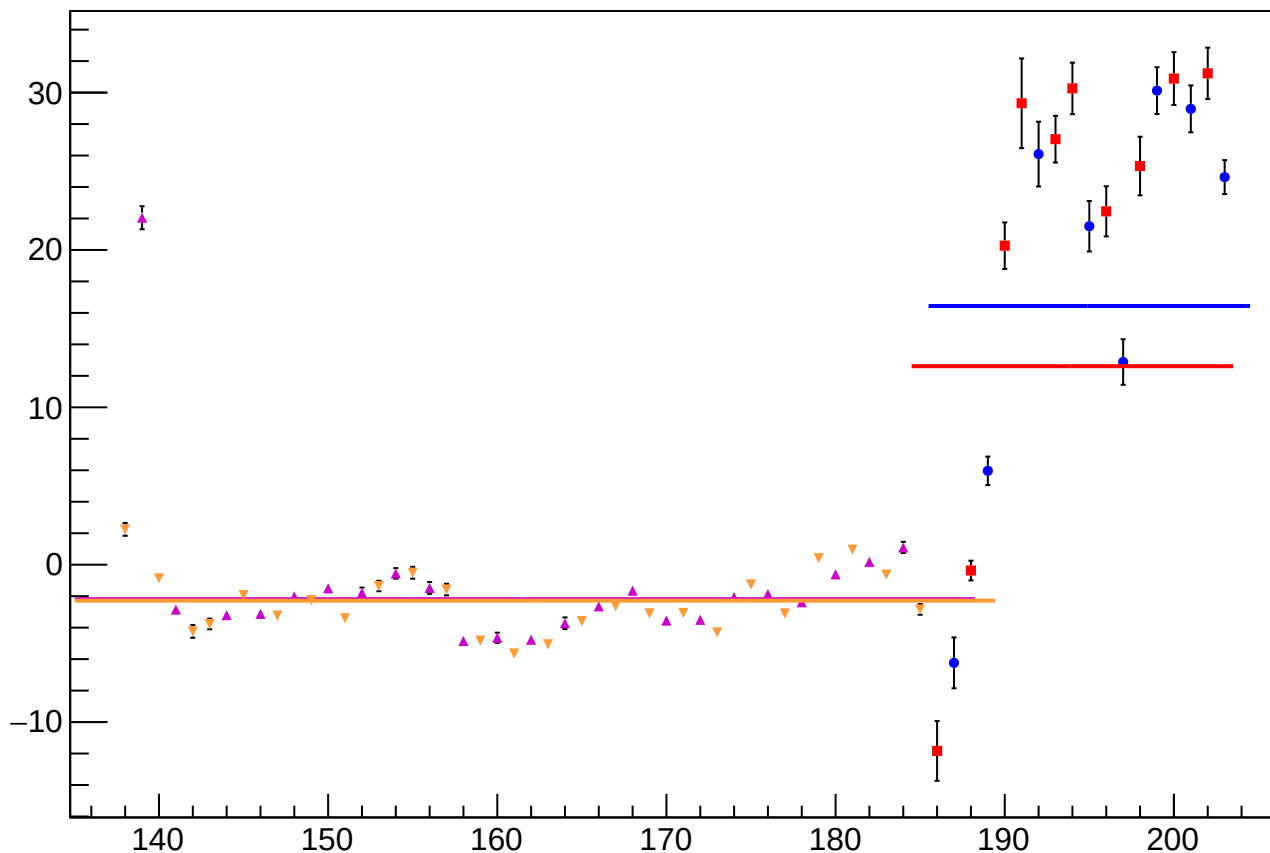
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 8.456 ± 0.387 $\chi^2/\text{NDF}: 451.3/7$
 Left Out: -0.046 ± 0.066 $\chi^2/\text{NDF}: 2628.9/24$
 Right Out: 5.117 ± 0.337 $\chi^2/\text{NDF}: 1175.2/9$
 Left In: -0.312 ± 0.067 $\chi^2/\text{NDF}: 2252.6/22$

Left: -0.177 ± 0.047 $\chi^2/\text{NDF}: 4889.5/47$
 Right: 6.555 ± 0.254 $\chi^2/\text{NDF}: 1668.8/17$
 In: -0.057 ± 0.066 $\chi^2/\text{NDF}: 3201.4/30$
 Out: 0.146 ± 0.065 $\chi^2/\text{NDF}: 4030.2/34$
 All: 0.046 ± 0.046 $\chi^2/\text{NDF}: 7236.4/65$

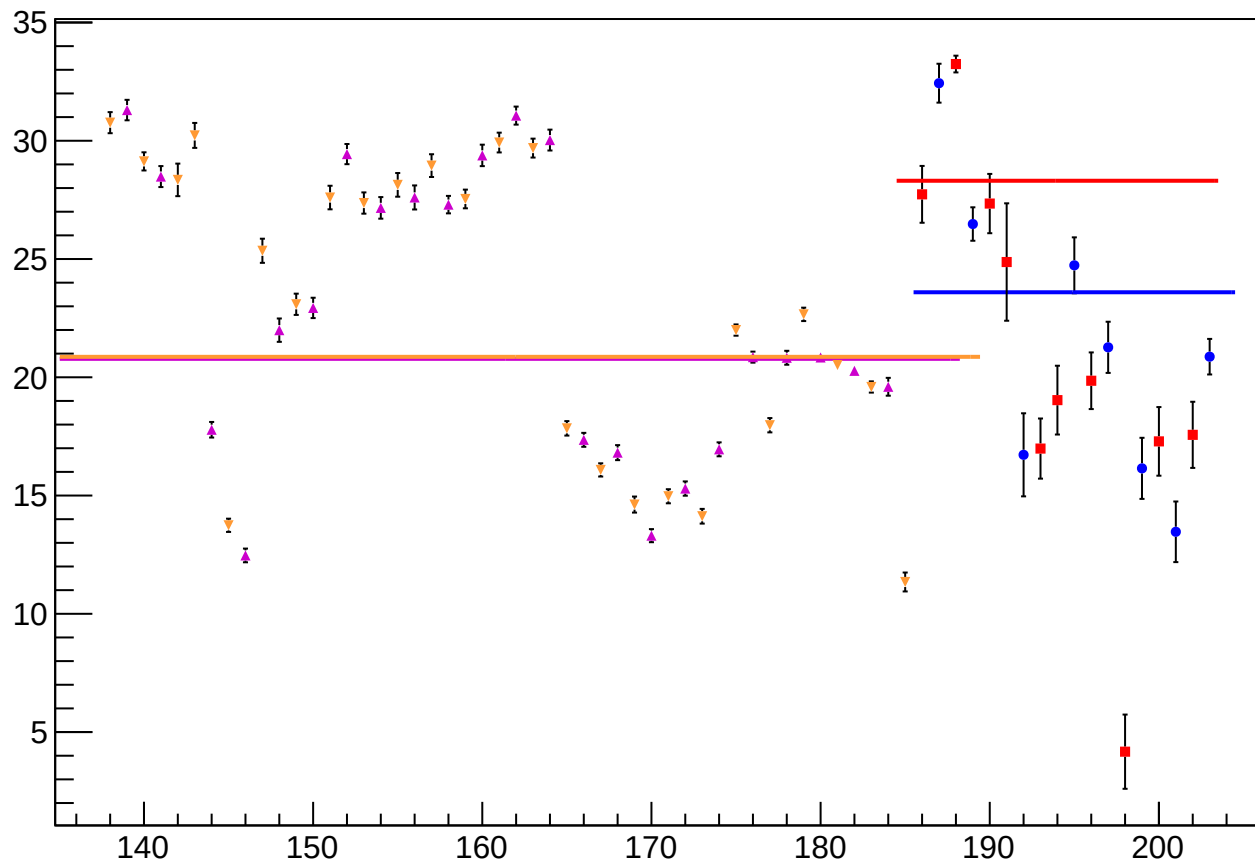
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.438 ± 0.473 $\chi^2/\text{NDF}: 580.7/7$
 Left Out: -2.283 ± 0.054 $\chi^2/\text{NDF}: 1132.1/24$
 Right Out: 12.614 ± 0.421 $\chi^2/\text{NDF}: 1199.3/9$
 Left In: -2.190 ± 0.055 $\chi^2/\text{NDF}: 1785.1/22$

Left: -2.237 ± 0.039 $\chi^2/\text{NDF}: 2918.6/47$
 Right: 14.303 ± 0.315 $\chi^2/\text{NDF}: 1816.4/17$
 In: -1.942 ± 0.055 $\chi^2/\text{NDF}: 3893.2/30$
 Out: -2.040 ± 0.054 $\chi^2/\text{NDF}: 3561.7/34$
 All: -1.992 ± 0.038 $\chi^2/\text{NDF}: 7456.5/65$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.594 $\pm$ 0.346 χ^2 /NDF: 262.0/7

Left Out: 20.865 $\pm$ 0.067 χ^2 /NDF:6608.4/24

Right Out: 28.309 $\pm$ 0.281 χ^2 /NDF: 720.2/9

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

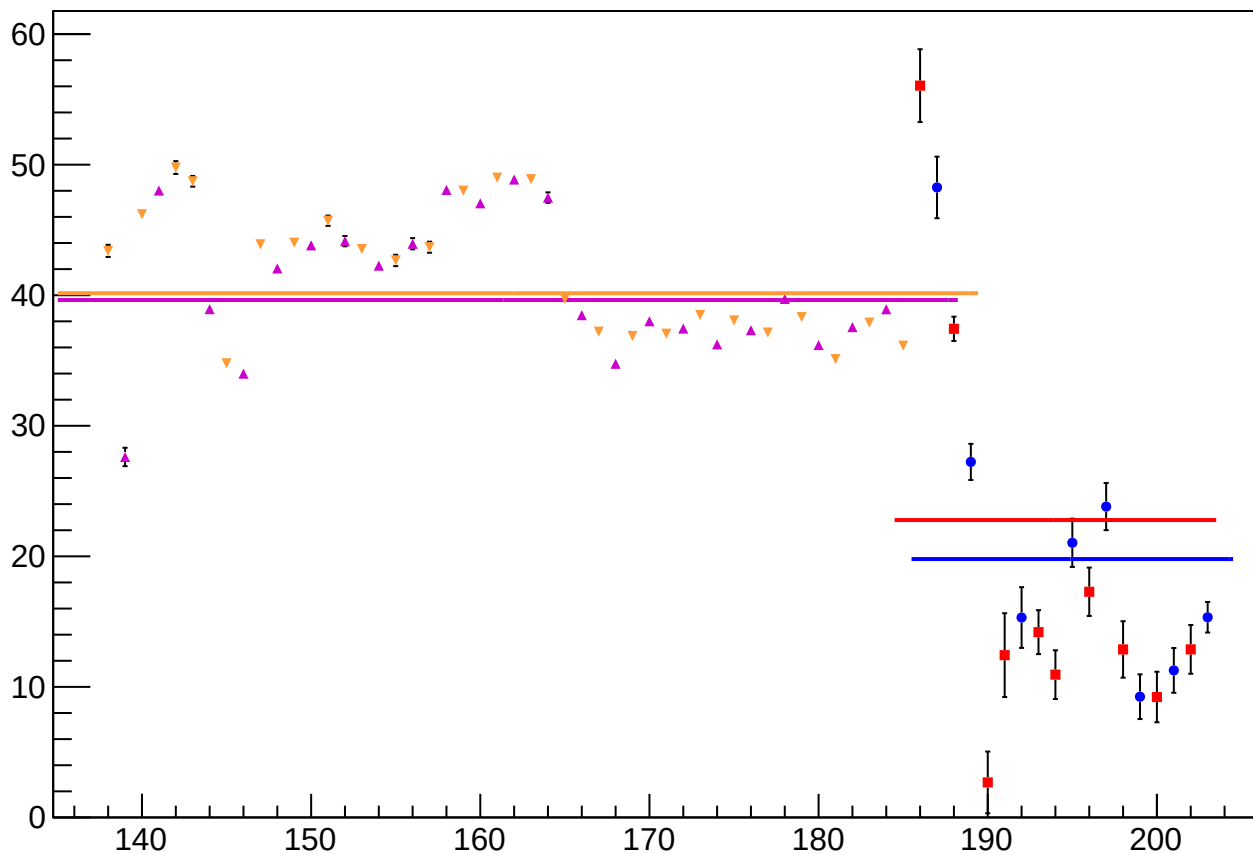
Right: 26.434 $\pm$ 0.218 χ^2 /NDF: 1094.0/17

In: 20.882 $\pm$ 0.066 χ^2 /NDF:6313.7/30

Out: 21.263 $\pm$ 0.065 χ^2 /NDF:7992.4/34

All: 21.075 $\pm$ 0.046 χ^2 /NDF: 14323.0/65

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.792 ± 0.587 χ^2/NDF : 260.9/7

Left Out: 40.154 ± 0.060 χ^2/NDF : 5861.6/24

Right Out: 22.780 ± 0.554 χ^2/NDF : 646.4/9

Left In: 39.632 ± 0.061 χ^2/NDF : 5343.3/22

Left: 39.896 ± 0.043 χ^2/NDF : 11241.6/47

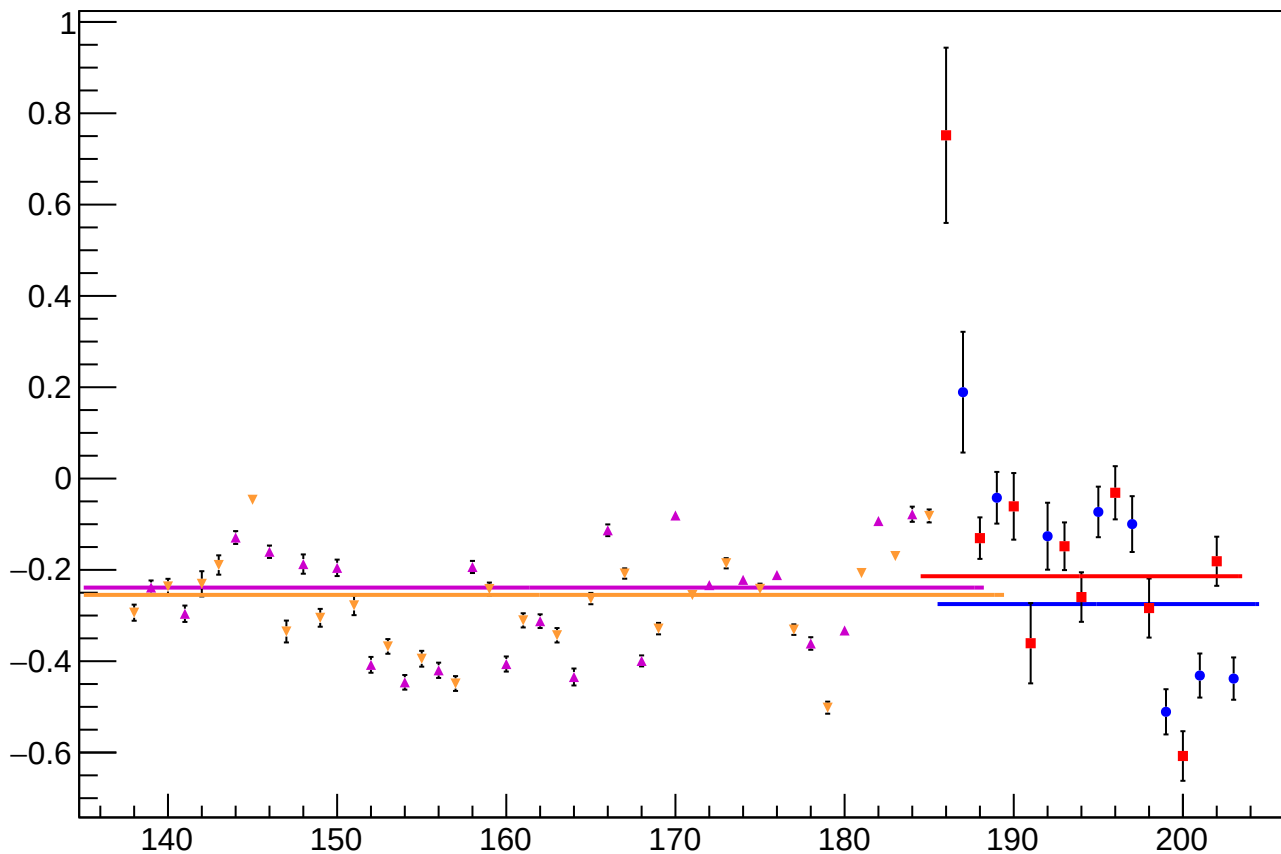
Right: 21.374 ± 0.403 χ^2/NDF : 921.0/17

In: 39.419 ± 0.061 χ^2/NDF : 6732.5/30

Out: 39.949 ± 0.060 χ^2/NDF : 7480.4/34

All: 39.688 ± 0.043 χ^2/NDF : 14251.3/65

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.275 ± 0.020 $\chi^2/\text{NDF}: 100.5/7$

Left Out: -0.255 ± 0.003 $\chi^2/\text{NDF}: 1417.7/24$

Right Out: -0.214 ± 0.019 $\chi^2/\text{NDF}: 102.1/9$

Left In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1750.0/22$

Left: -0.247 ± 0.002 $\chi^2/\text{NDF}: 3184.5/47$

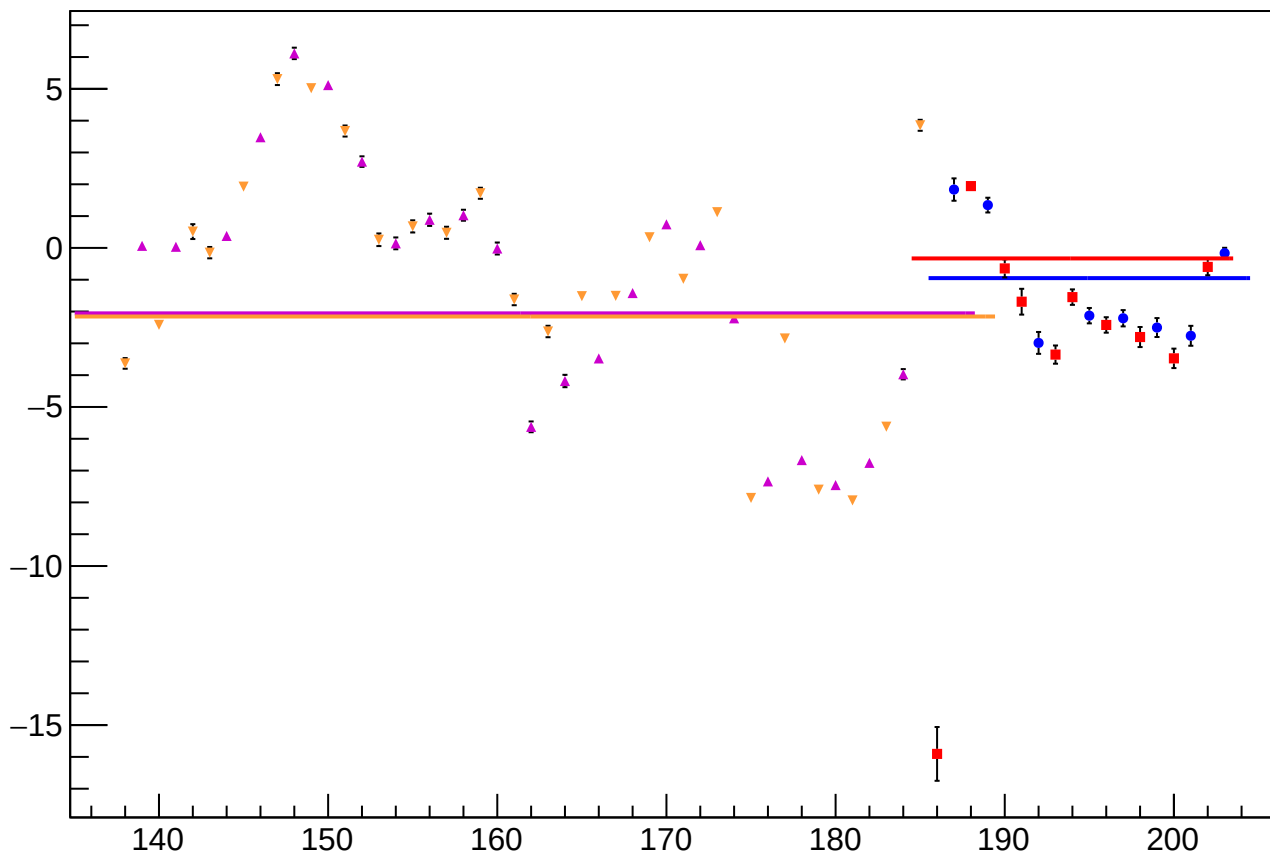
Right: -0.243 ± 0.014 $\chi^2/\text{NDF}: 207.4/17$

In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1853.6/30$

Out: -0.254 ± 0.003 $\chi^2/\text{NDF}: 1524.3/34$

All: -0.247 ± 0.002 $\chi^2/\text{NDF}: 3392.0/65$

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected

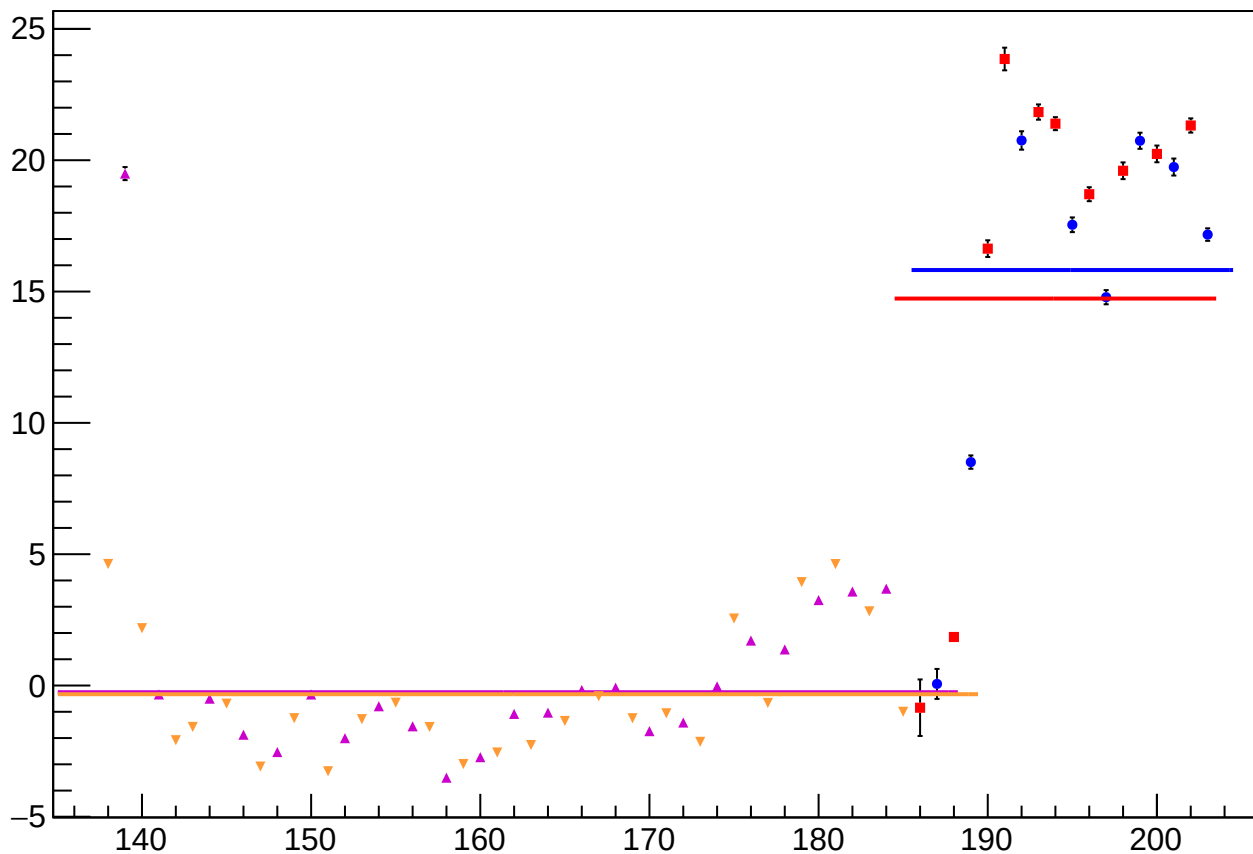


Right In: -0.950 ± 0.090 χ^2/NDF : 326.0/7
 Left Out: -2.156 ± 0.026 χ^2/NDF : 24501.3/24
 Right Out: -0.331 ± 0.074 χ^2/NDF : 1160.3/9
 Left In: -2.058 ± 0.026 χ^2/NDF : 23343.8/22

Left: -2.107 ± 0.018 χ^2/NDF : 47852.3/47
 Right: -0.580 ± 0.057 χ^2/NDF : 1514.7/17
 In: -1.972 ± 0.025 χ^2/NDF : 23810.3/30
 Out: -1.959 ± 0.024 χ^2/NDF : 26209.1/34

All: -1.965 ± 0.017 χ^2/NDF : 50019.6/65

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.819 ± 0.105 $\chi^2/\text{NDF}: 2274.3/7$

Left Out: -0.331 ± 0.021 $\chi^2/\text{NDF}: 12552.3/24$

Right Out: 14.733 ± 0.088 $\chi^2/\text{NDF}: 9730.0/9$

Left In: -0.255 ± 0.021 $\chi^2/\text{NDF}: 14162.0/22$

Left: -0.293 ± 0.015 $\chi^2/\text{NDF}: 26721.1/47$

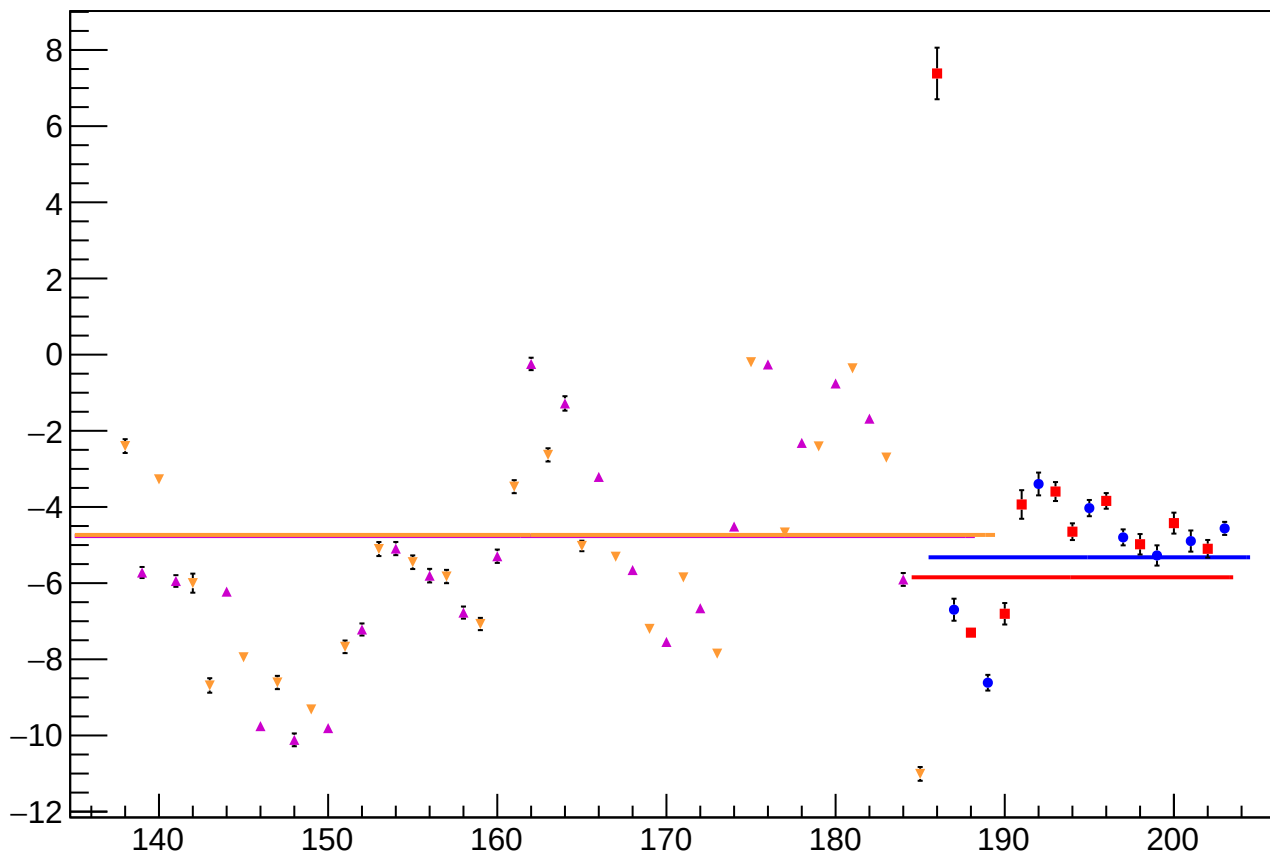
Right: 15.180 ± 0.067 $\chi^2/\text{NDF}: 12067.3/17$

In: 0.357 ± 0.020 $\chi^2/\text{NDF}: 38997.7/30$

Out: 0.459 ± 0.020 $\chi^2/\text{NDF}: 50244.1/34$

All: 0.409 ± 0.014 $\chi^2/\text{NDF}: 89254.4/65$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

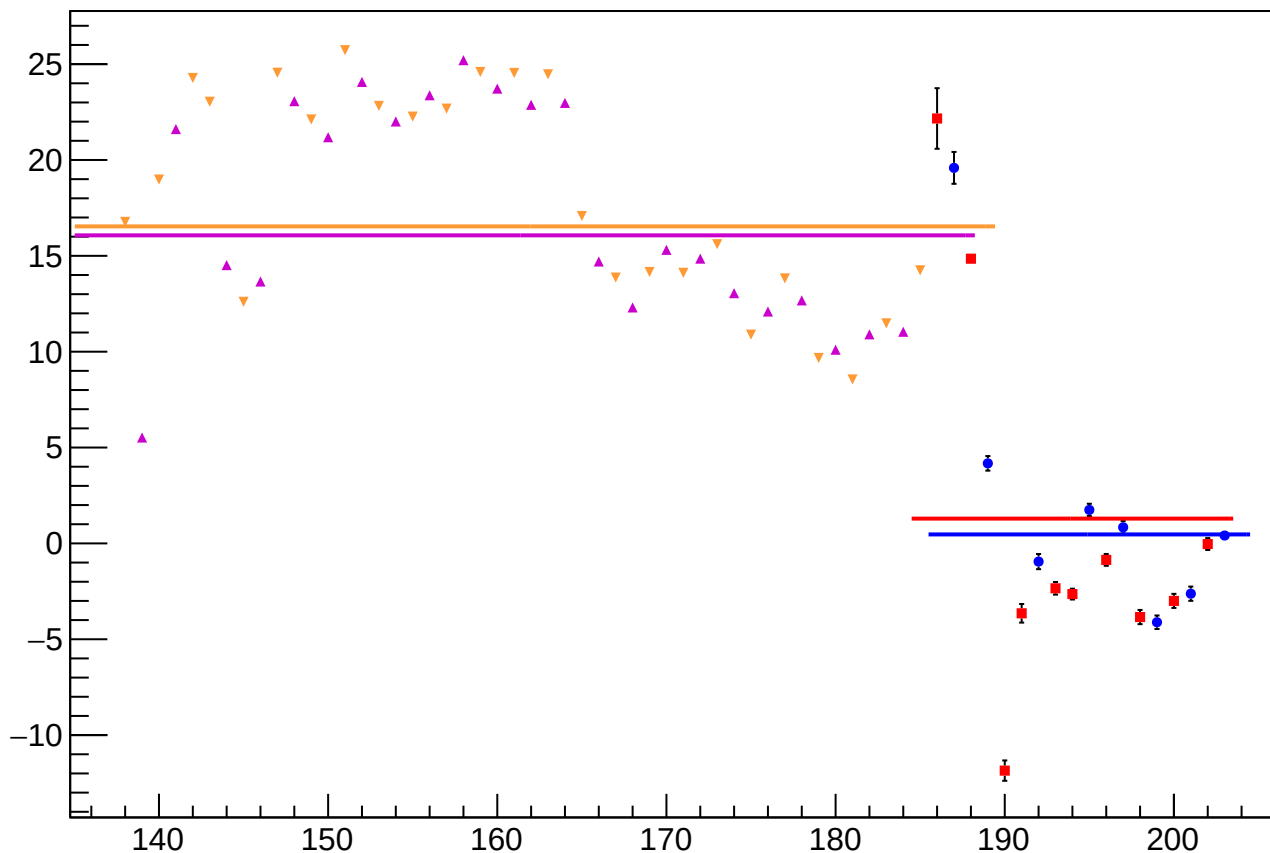


Right In: -5.322 $\pm$ 0.081 χ^2 /NDF: 383.7/7
 Left Out: -4.734 $\pm$ 0.026 χ^2 /NDF:13188.7/24
 Right Out: -5.847 $\pm$ 0.063 χ^2 /NDF: 940.7/9
 Left In: -4.764 $\pm$ 0.026 χ^2 /NDF:14163.2/22

Left: -4.749 $\pm$ 0.018 χ^2 /NDF: 27352.6/47
 Right: -5.650 $\pm$ 0.050 χ^2 /NDF: 1350.8/17
 In: -4.816 $\pm$ 0.025 χ^2 /NDF:14589.8/30
 Out: -4.896 $\pm$ 0.024 χ^2 /NDF:14398.8/34

All: -4.858 $\pm$ 0.017 χ^2 /NDF: 28994.0/65

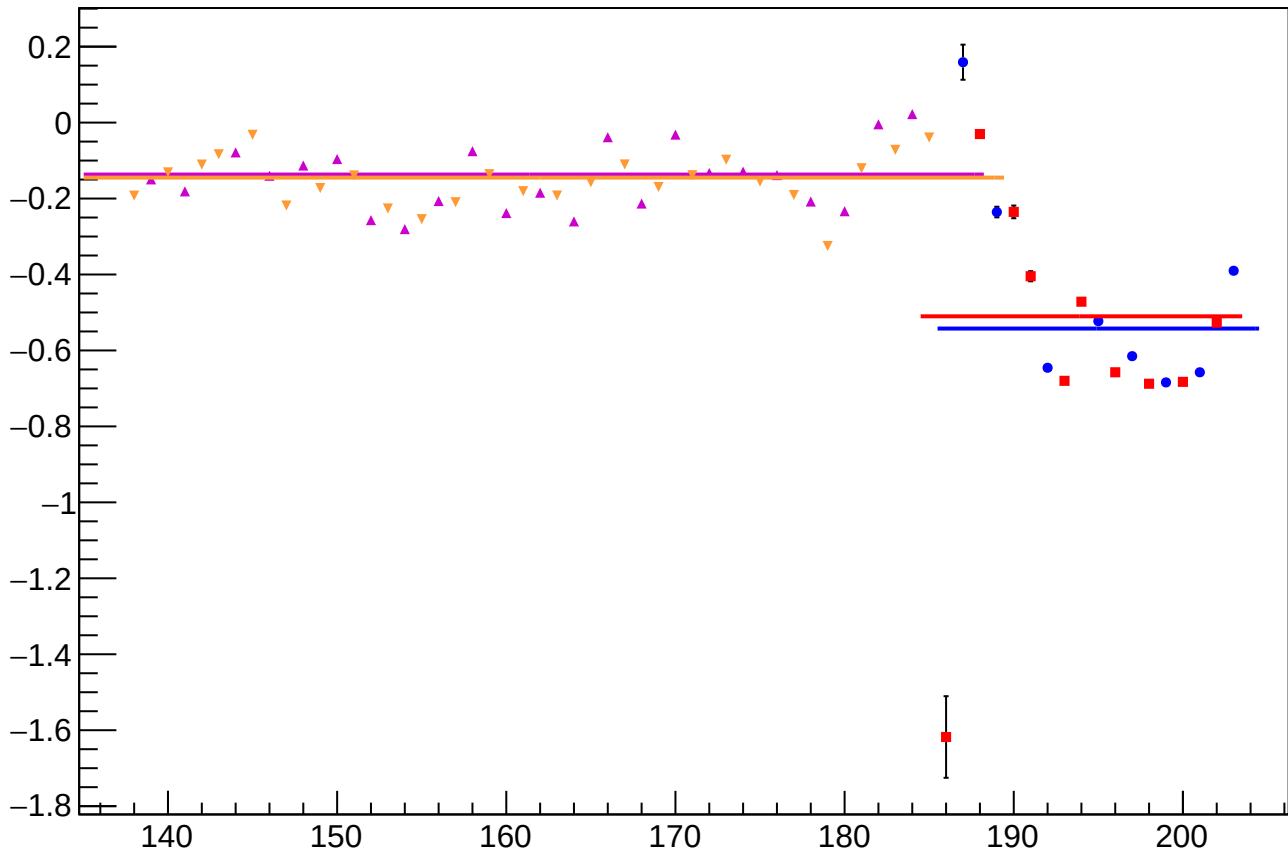
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.468 ± 0.125 $\chi^2/\text{NDF}: 891.6/7$
 Left Out: 16.536 ± 0.023 $\chi^2/\text{NDF}: 53546.9/24$
 Right Out: 1.294 ± 0.109 $\chi^2/\text{NDF}: 4960.4/9$
 Left In: 16.069 ± 0.023 $\chi^2/\text{NDF}: 42736.3/22$

Left: 16.306 ± 0.016 $\chi^2/\text{NDF}: 96483.6/47$
 Right: 0.937 ± 0.082 $\chi^2/\text{NDF}: 5876.7/17$
 In: 15.539 ± 0.023 $\chi^2/\text{NDF}: 58640.0/30$
 Out: 15.879 ± 0.023 $\chi^2/\text{NDF}: 77139.2/34$
 All: 15.712 ± 0.016 $\chi^2/\text{NDF}: 135889.6/65$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.542 ± 0.004 χ^2/NDF : 1395.6/7

Left Out: -0.145 ± 0.001 χ^2/NDF : 3755.1/24

Right Out: -0.510 ± 0.003 χ^2/NDF : 3633.3/9

Left In: -0.137 ± 0.001 χ^2/NDF : 5383.4/22

Left: -0.141 ± 0.001 χ^2/NDF : 9167.1/47

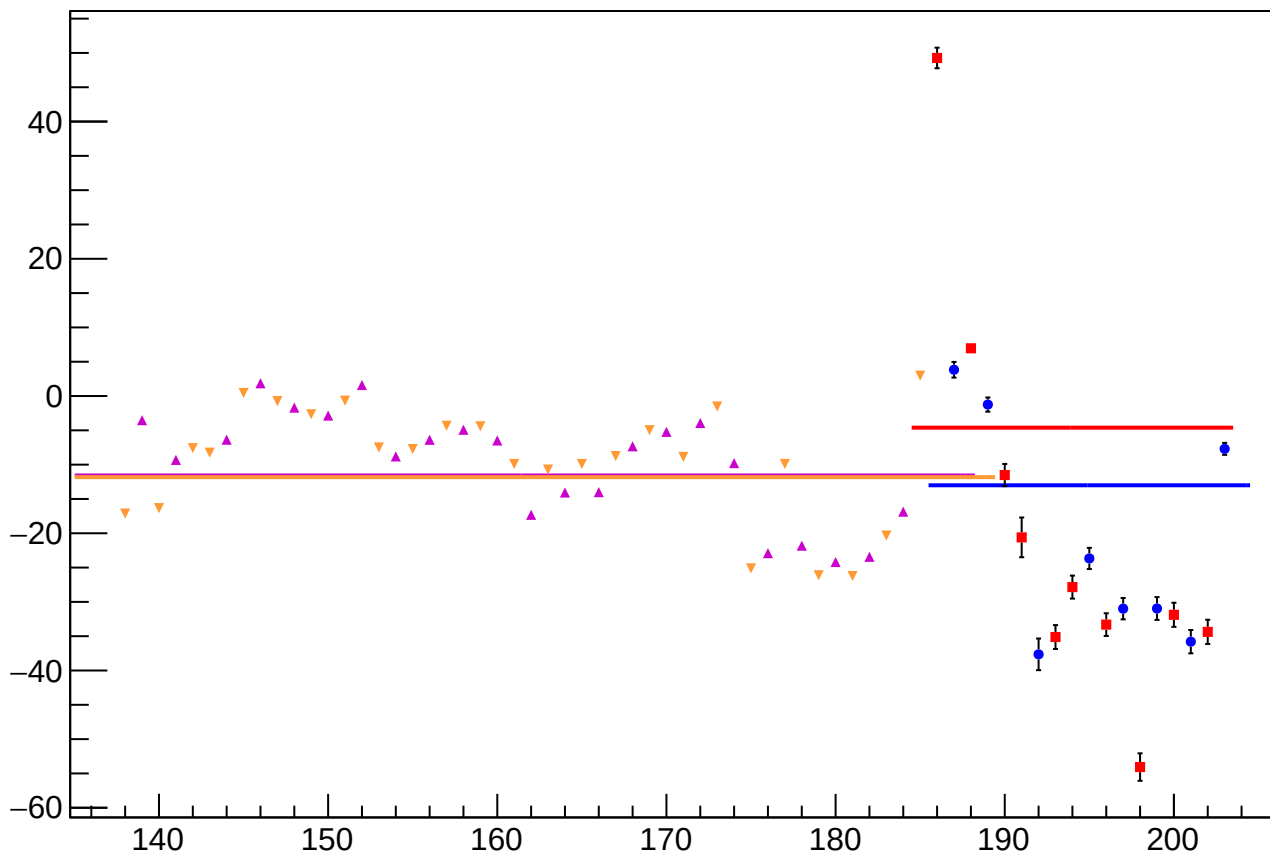
Right: -0.524 ± 0.003 χ^2/NDF : 5065.8/17

In: -0.163 ± 0.001 χ^2/NDF : 16253.5/30

Out: -0.176 ± 0.001 χ^2/NDF : 17583.7/34

All: -0.170 ± 0.001 χ^2/NDF : 33914.1/65

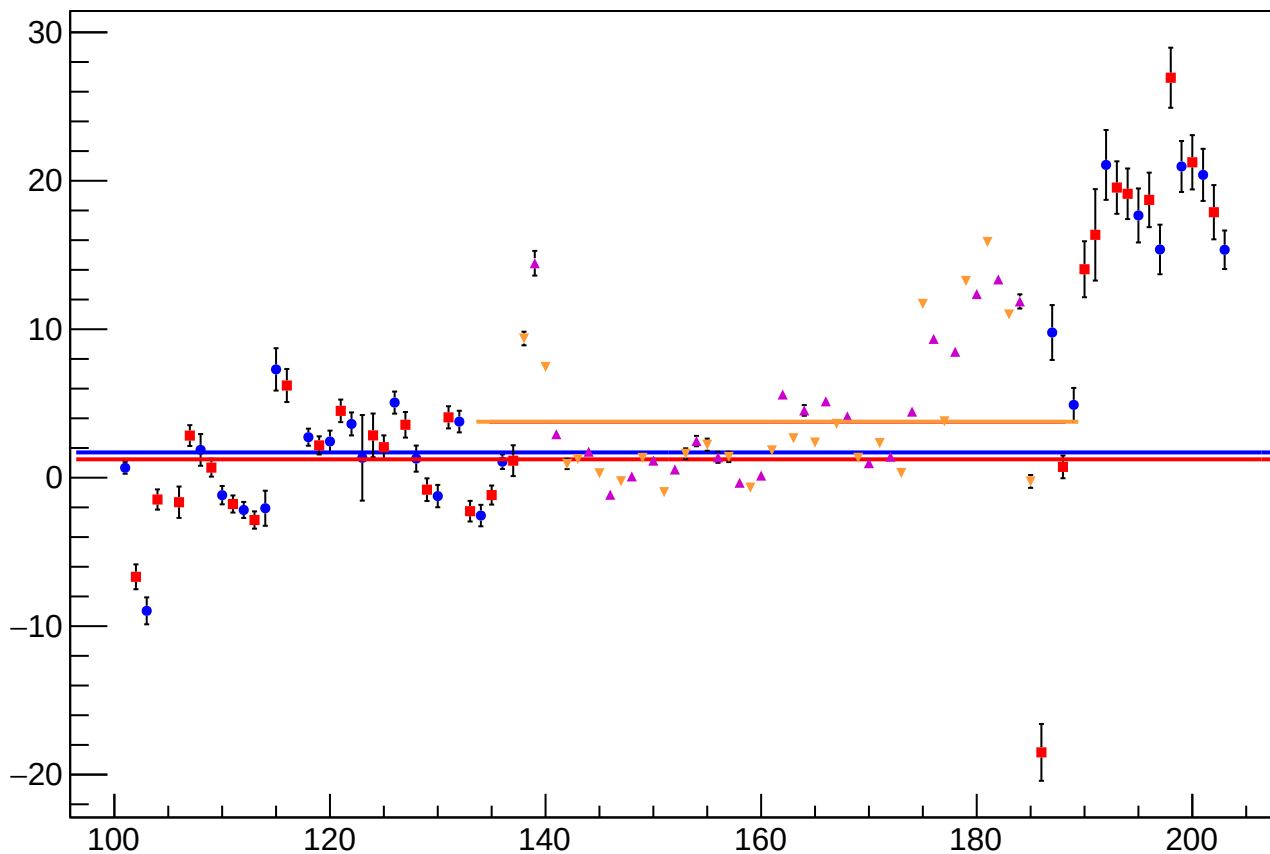
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.006 ± 0.459 $\chi^2/\text{NDF}: 975.0/7$
 Left Out: -11.823 ± 0.070 $\chi^2/\text{NDF}: 17277.3/24$
 Right Out: -4.610 ± 0.396 $\chi^2/\text{NDF}: 3738.8/9$
 Left In: -11.580 ± 0.071 $\chi^2/\text{NDF}: 14243.6/22$

Left: -11.703 ± 0.050 $\chi^2/\text{NDF}: 31526.7/47$
 Right: -8.197 ± 0.300 $\chi^2/\text{NDF}: 4905.4/17$
 In: -11.614 ± 0.070 $\chi^2/\text{NDF}: 15228.0/30$
 Out: -11.602 ± 0.069 $\chi^2/\text{NDF}: 21336.8/34$
 All: -11.608 ± 0.049 $\chi^2/\text{NDF}: 36564.9/65$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.702 $\pm$ 0.162 χ^2 /NDF: 922.7/24

Left Out: 3.770 $\pm$ 0.056 χ^2 /NDF: 7420.4/24

Right Out: 1.238 $\pm$ 0.165 χ^2 /NDF: 1155.0/27

Left In: 3.755 $\pm$ 0.056 χ^2 /NDF: 5655.2/22

Left: 3.763 $\pm$ 0.040 χ^2 /NDF: 13075.6/47

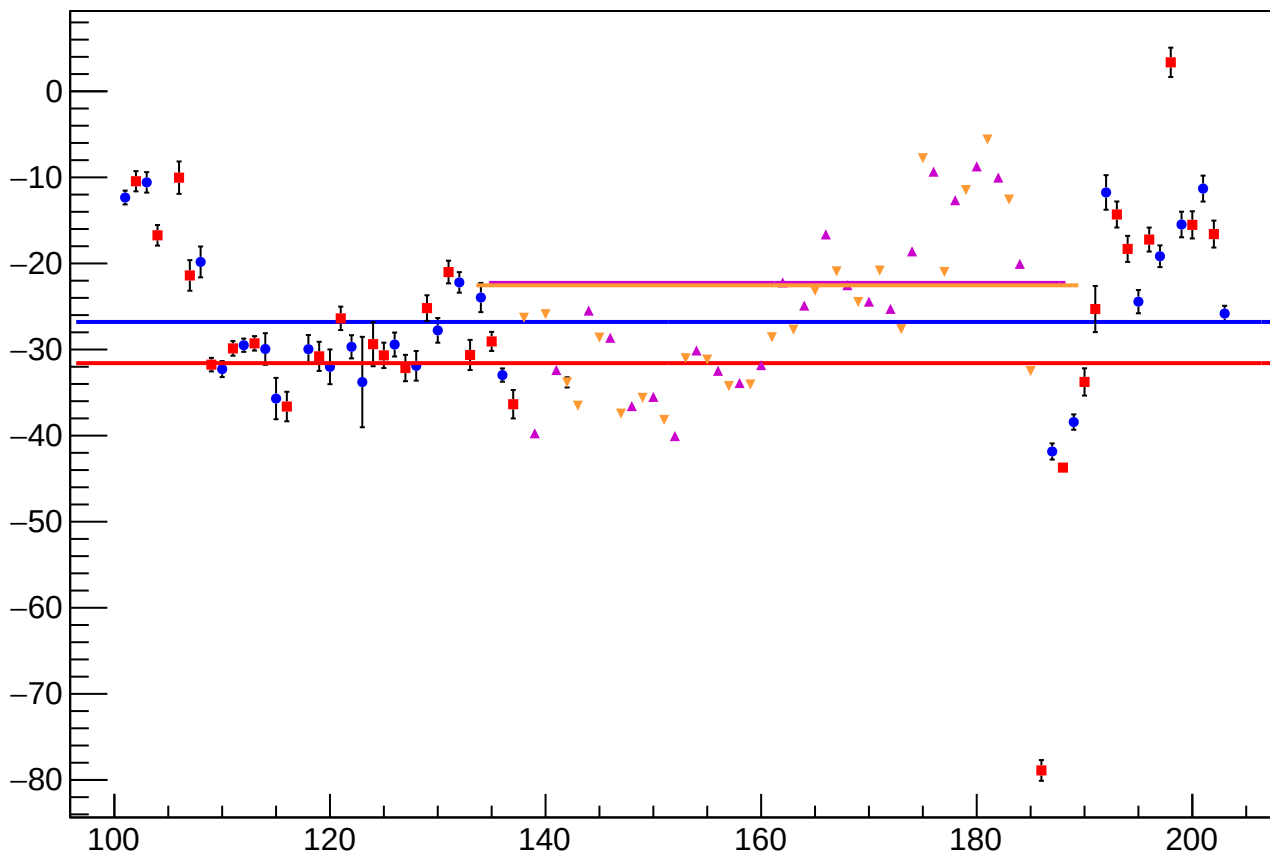
Right: 1.474 $\pm$ 0.115 χ^2 /NDF: 2081.7/52

In: 3.533 $\pm$ 0.053 χ^2 /NDF: 6721.3/47

Out: 3.511 $\pm$ 0.053 χ^2 /NDF: 8787.6/52

All: 3.522 $\pm$ 0.037 χ^2 /NDF: 15509.1/100

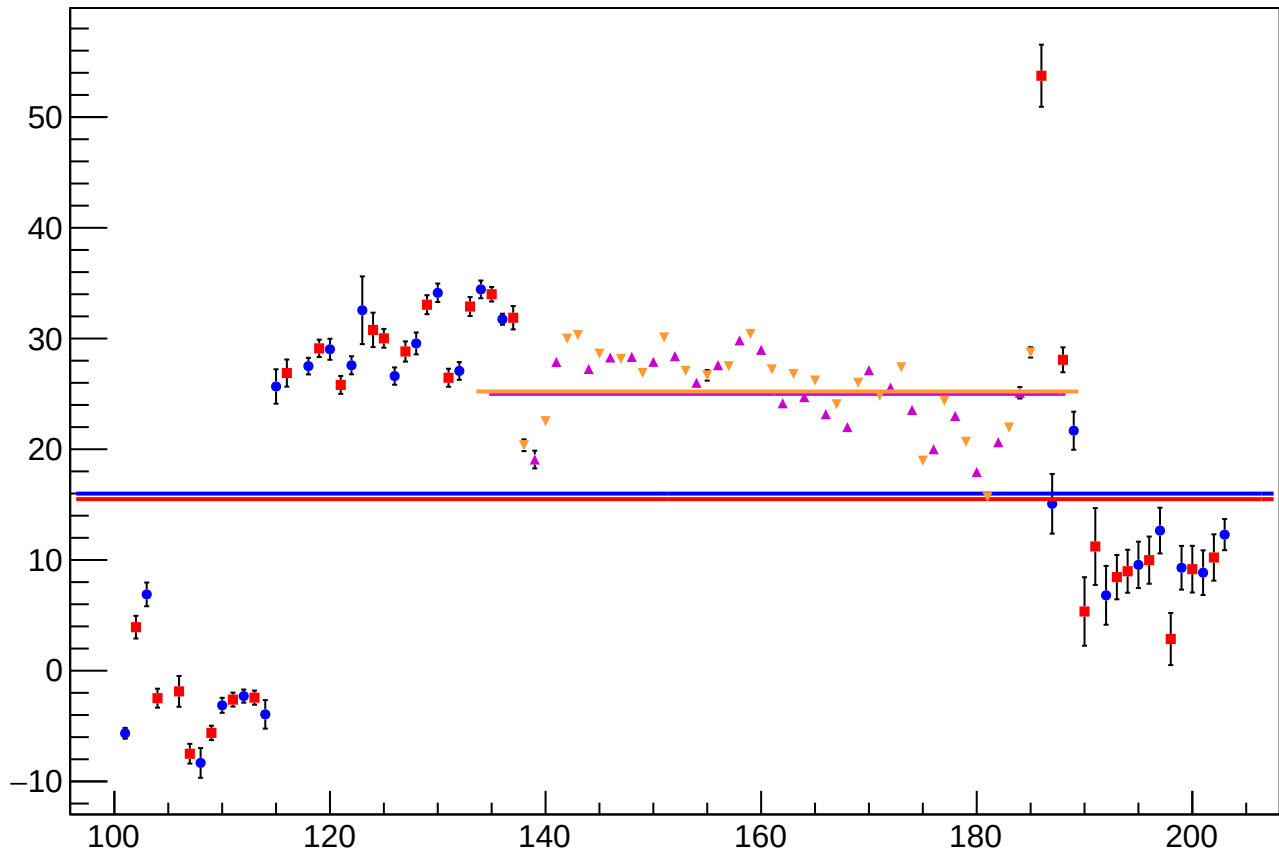
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -26.796 ± 0.242 $\chi^2/\text{NDF}: 1387.4/24$
 Left Out: -22.540 ± 0.071 $\chi^2/\text{NDF}: 19751.6/24$
 Right Out: -31.580 ± 0.222 $\chi^2/\text{NDF}: 4035.6/27$
 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: -29.396 ± 0.163 $\chi^2/\text{NDF}: 5635.5/52$
 In: -22.621 ± 0.068 $\chi^2/\text{NDF}: 19549.6/47$
 Out: -23.376 ± 0.067 $\chi^2/\text{NDF}: 25295.5/52$
 All: -23.004 ± 0.048 $\chi^2/\text{NDF}: 44906.9/100$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 15.994 $\pm$ 0.184 χ^2 /NDF: 7679.2/24

Left Out: 25.216 $\pm$ 0.063 χ^2 /NDF:3738.3/24

Right Out: 15.494 $\pm$ 0.188 χ^2 /NDF: 7665.9/27

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

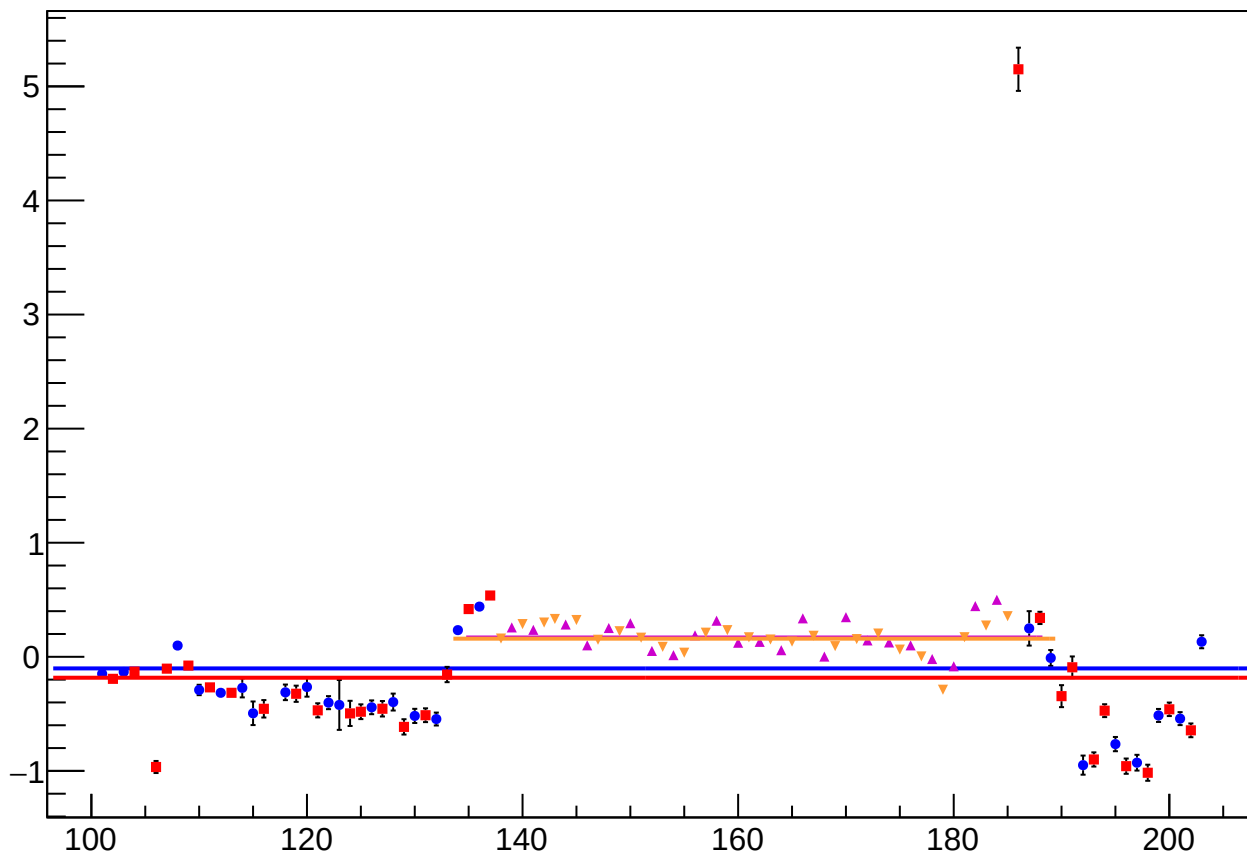
Right: 15.750 $\pm$ 0.132 χ^2 /NDF: 15348.7/52

In: 24.044 $\pm$ 0.060 χ^2 /NDF:12552.4/47

Out: 24.245 $\pm$ 0.060 χ^2 /NDF:13802.9/52

All: 24.146 $\pm$ 0.042 χ^2 /NDF: 26360.9/100

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.102 ± 0.009 χ^2/NDF : 1550.1/24

Left Out: 0.159 ± 0.003 χ^2/NDF : 1856.8/24

Right Out: -0.183 ± 0.009 χ^2/NDF : 2594.8/27

Left In: 0.169 ± 0.003 χ^2/NDF : 2430.7/22

Left: 0.164 ± 0.002 χ^2/NDF : 4293.8/47

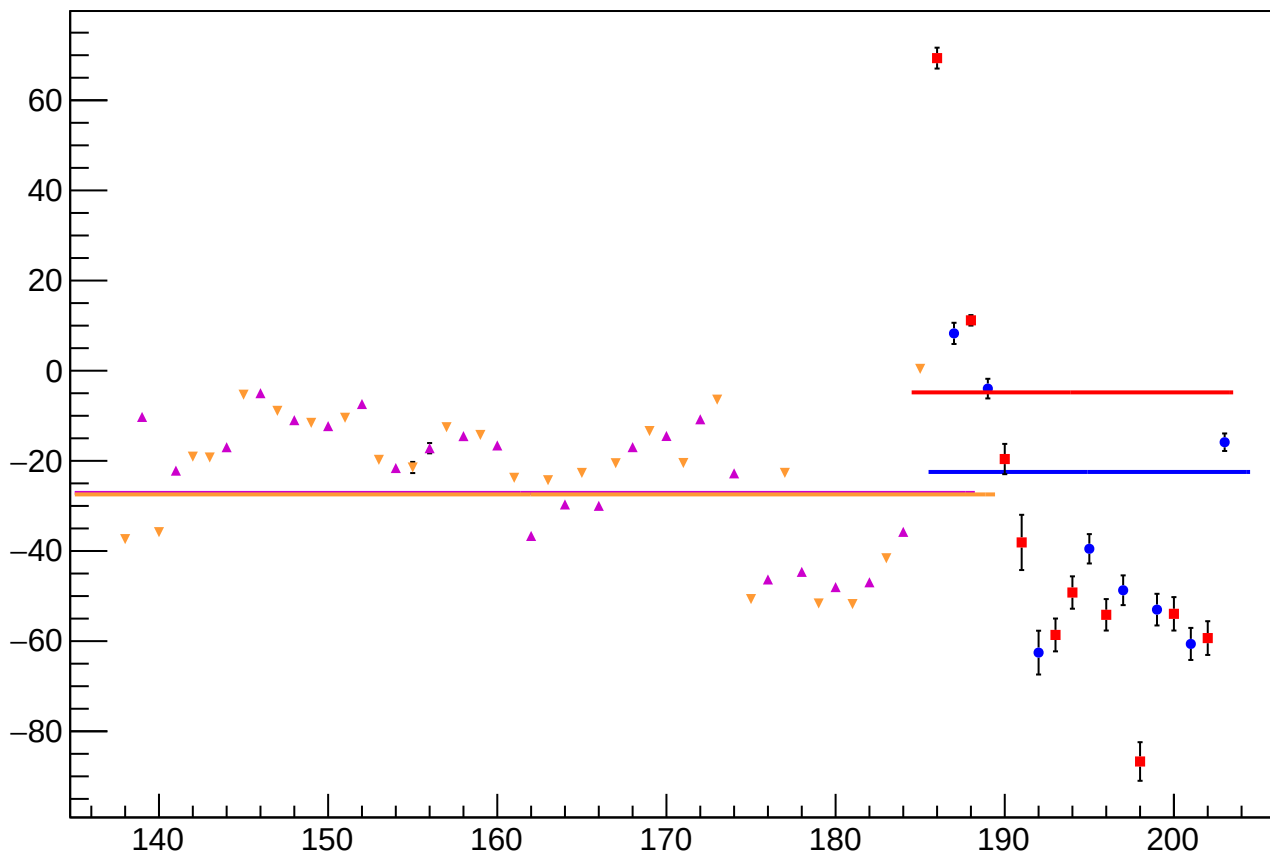
Right: -0.143 ± 0.007 χ^2/NDF : 4182.6/52

In: 0.146 ± 0.003 χ^2/NDF : 4730.9/47

Out: 0.129 ± 0.003 χ^2/NDF : 5674.8/52

All: 0.138 ± 0.002 χ^2/NDF : 10423.2/100

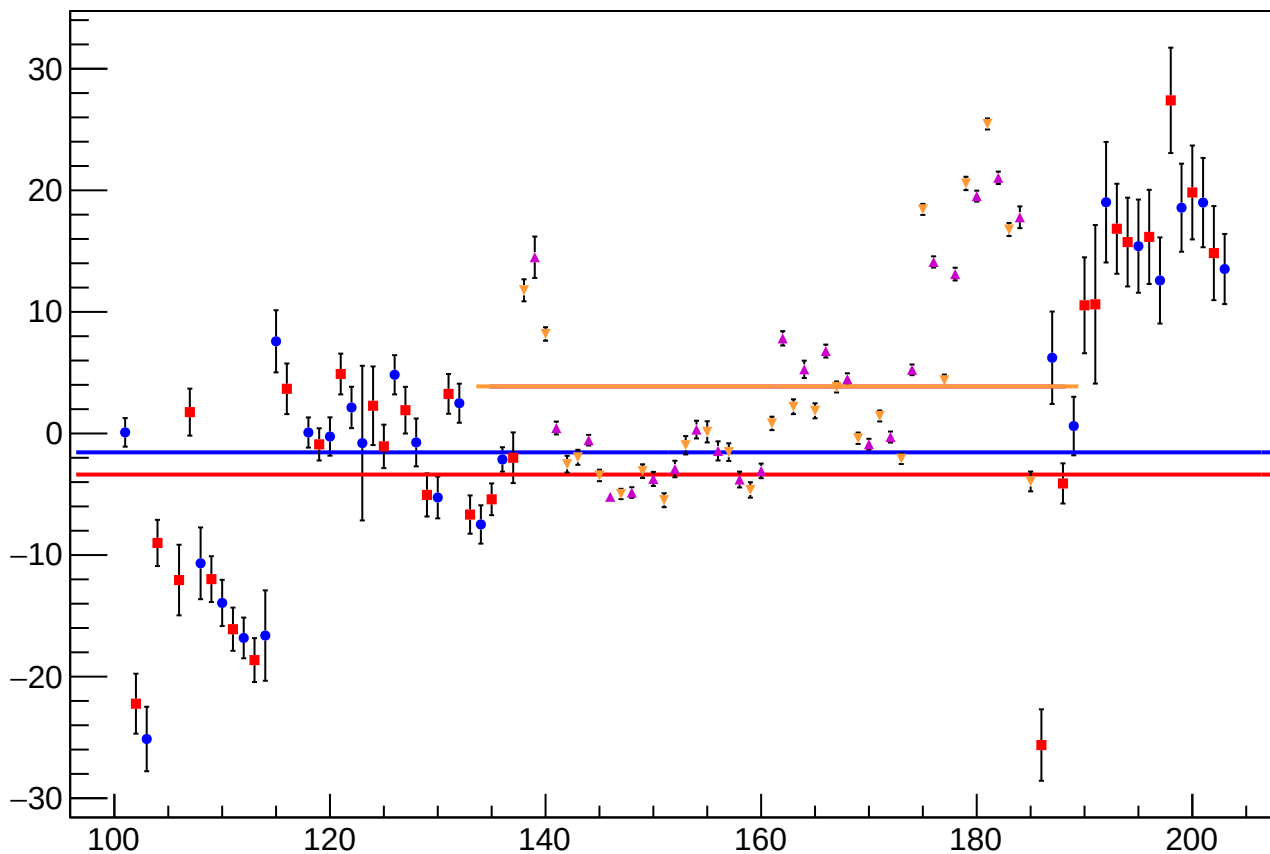
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.463 ± 0.978 $\chi^2/\text{NDF}: 604.2/7$
 Left Out: -27.447 ± 0.137 $\chi^2/\text{NDF}: 14820.6/24$
 Right Out: -4.810 ± 0.823 $\chi^2/\text{NDF}: 2586.4/9$
 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: -12.126 ± 0.630 $\chi^2/\text{NDF}: 3381.3/17$
 In: -27.023 ± 0.137 $\chi^2/\text{NDF}: 12070.1/30$
 Out: -26.836 ± 0.135 $\chi^2/\text{NDF}: 18143.4/34$
 All: -26.928 ± 0.096 $\chi^2/\text{NDF}: 30214.4/65$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.552 ± 0.386 χ^2/NDF : 441.2/24

Left Out: 3.873 ± 0.109 χ^2/NDF : 6906.0/24

Right Out: -3.379 ± 0.394 χ^2/NDF : 568.9/27

Left In: 3.861 ± 0.111 χ^2/NDF : 5438.4/22

Left: 3.867 ± 0.078 χ^2/NDF : 12344.4/47

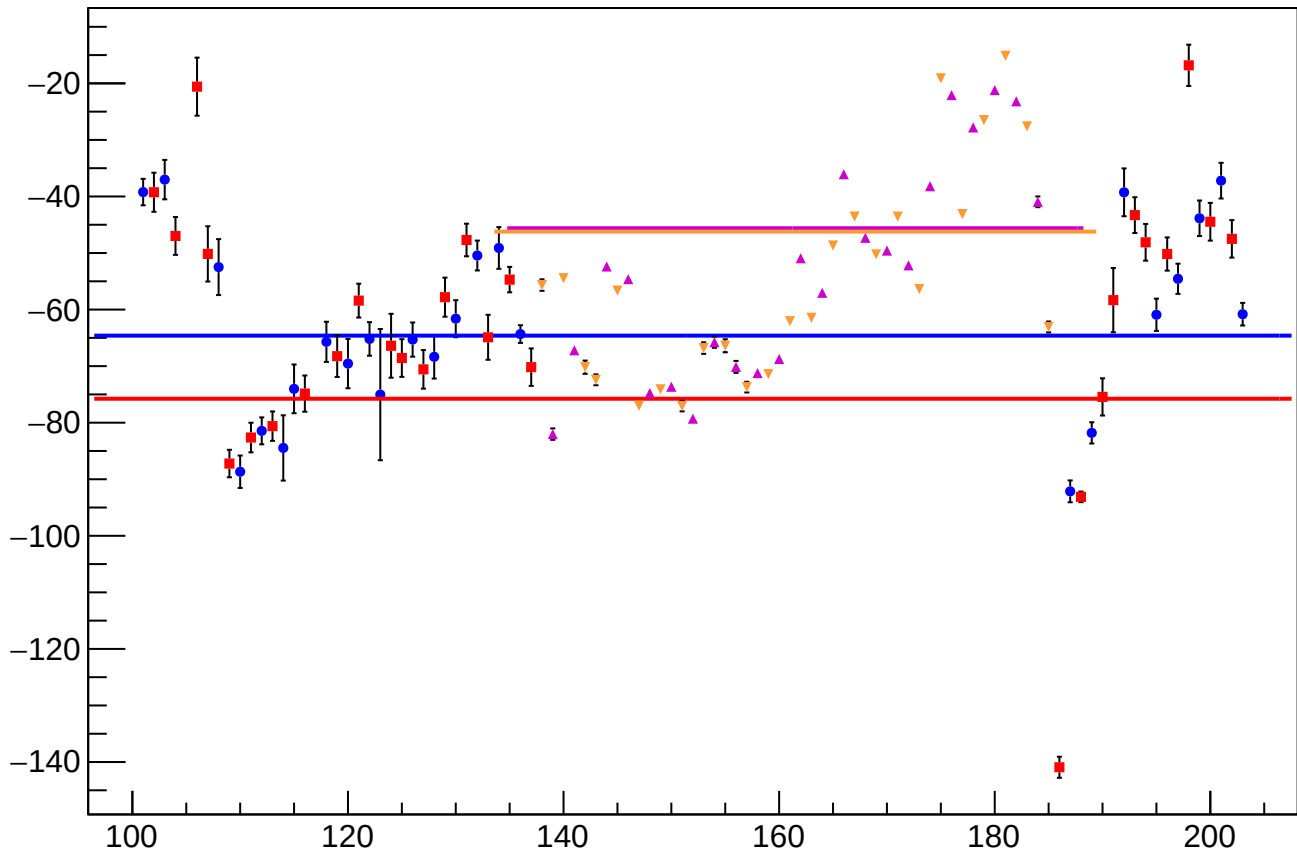
Right: -2.447 ± 0.275 χ^2/NDF : 1021.0/52

In: 3.448 ± 0.107 χ^2/NDF : 6061.5/47

Out: 3.352 ± 0.105 χ^2/NDF : 7790.0/52

All: 3.400 ± 0.075 χ^2/NDF : 13851.9/100

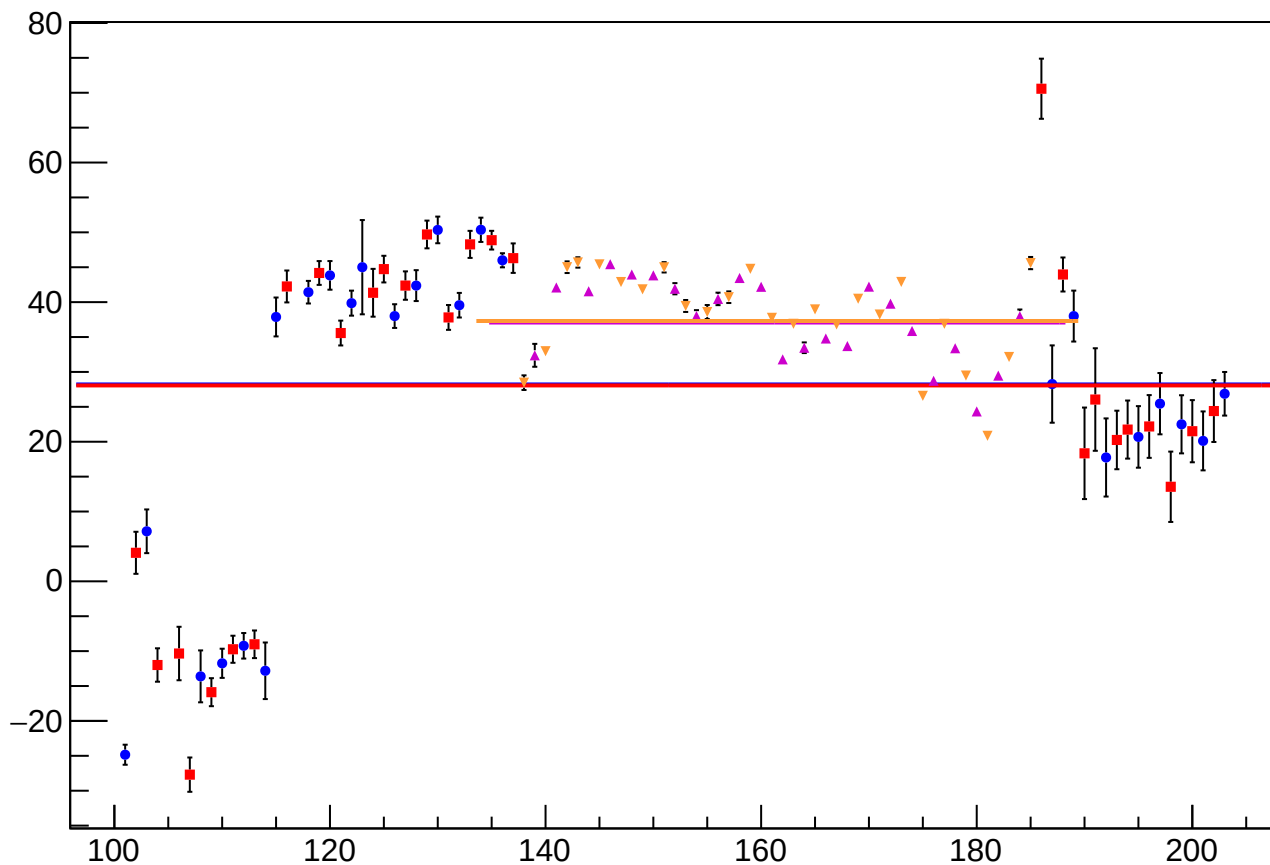
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -64.605 ± 0.563 χ^2/NDF : 835.3/24
 Left Out: -46.213 ± 0.138 χ^2/NDF : 19981.0/24
 Right Out: -75.762 ± 0.508 χ^2/NDF : 2879.9/27
 Left In: -45.616 ± 0.139 χ^2/NDF : 17743.8/22

Left: -45.917 ± 0.098 χ^2/NDF : 37734.0/47
 Right: -70.755 ± 0.377 χ^2/NDF : 3932.0/52
 In: -46.711 ± 0.135 χ^2/NDF : 19652.5/47
 Out: -48.250 ± 0.133 χ^2/NDF : 26015.3/52
 All: -47.491 ± 0.095 χ^2/NDF : 45733.5/100

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.206 ± 0.437 $\chi^2/\text{NDF}: 3350.2/24$

Left Out: 37.298 ± 0.123 $\chi^2/\text{NDF}: 3113.0/24$

Right Out: 28.066 ± 0.451 $\chi^2/\text{NDF}: 3189.6/27$

Left In: 37.079 ± 0.125 $\chi^2/\text{NDF}: 2405.4/22$

Left: 37.190 ± 0.088 $\chi^2/\text{NDF}: 5519.9/47$

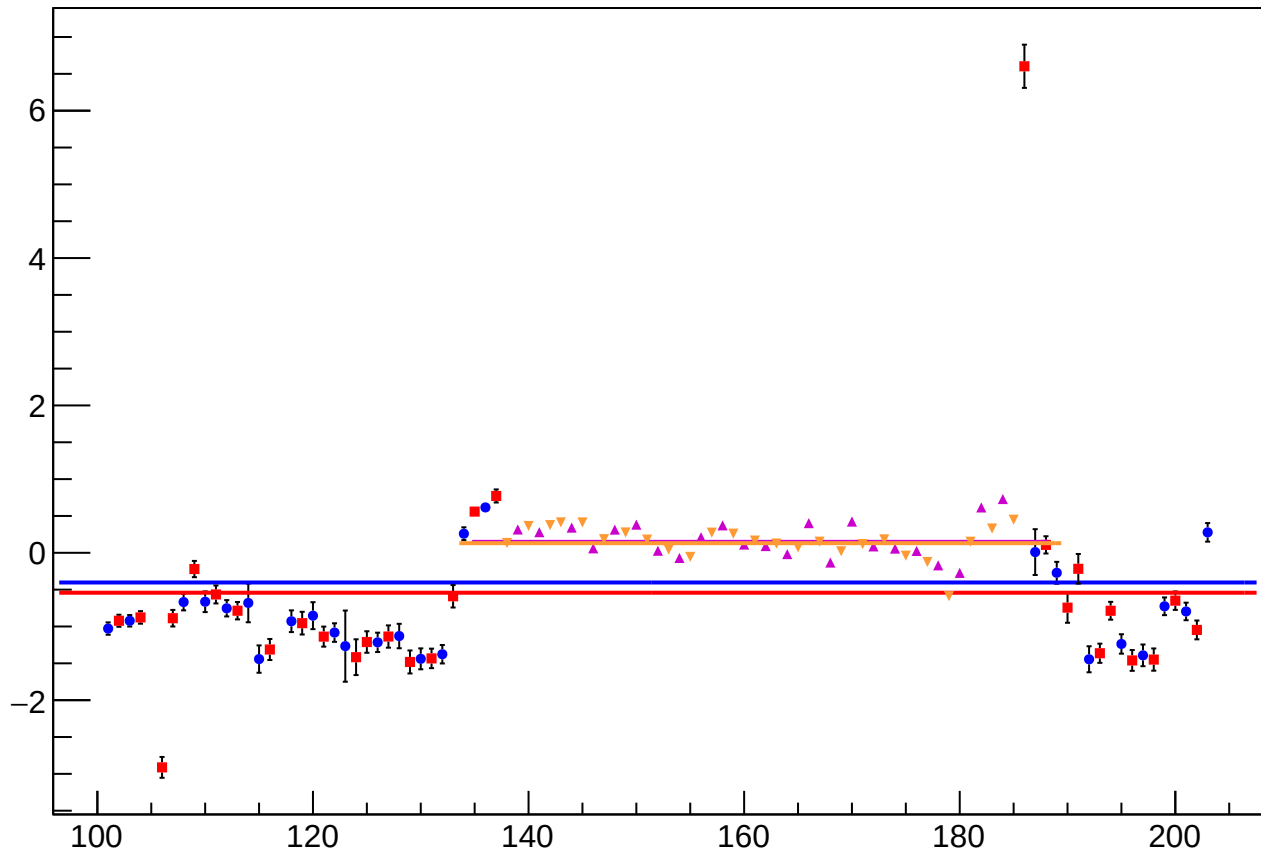
Right: 28.138 ± 0.314 $\chi^2/\text{NDF}: 6539.9/52$

In: 36.410 ± 0.120 $\chi^2/\text{NDF}: 6137.4/47$

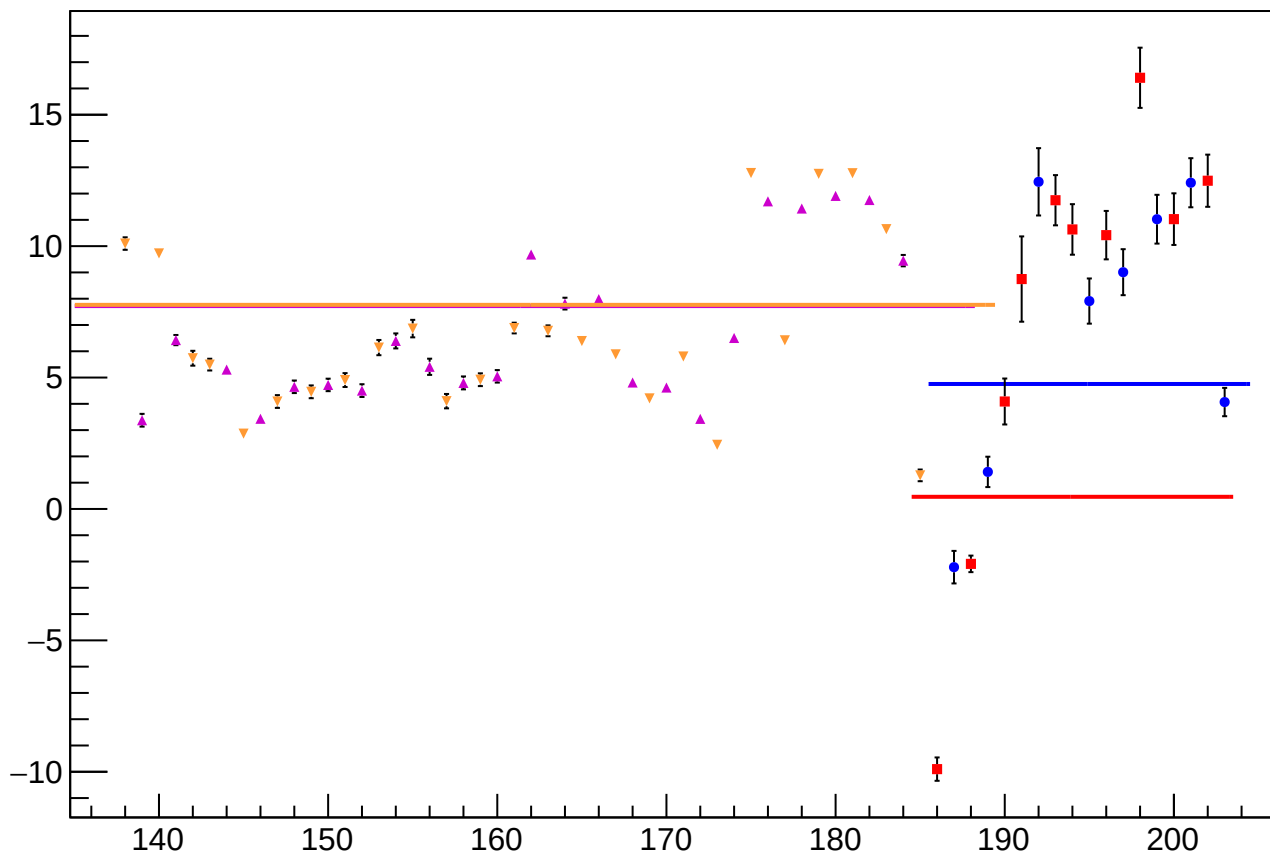
Out: 36.657 ± 0.119 $\chi^2/\text{NDF}: 6693.3/52$

All: 36.535 ± 0.084 $\chi^2/\text{NDF}: 12832.9/100$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



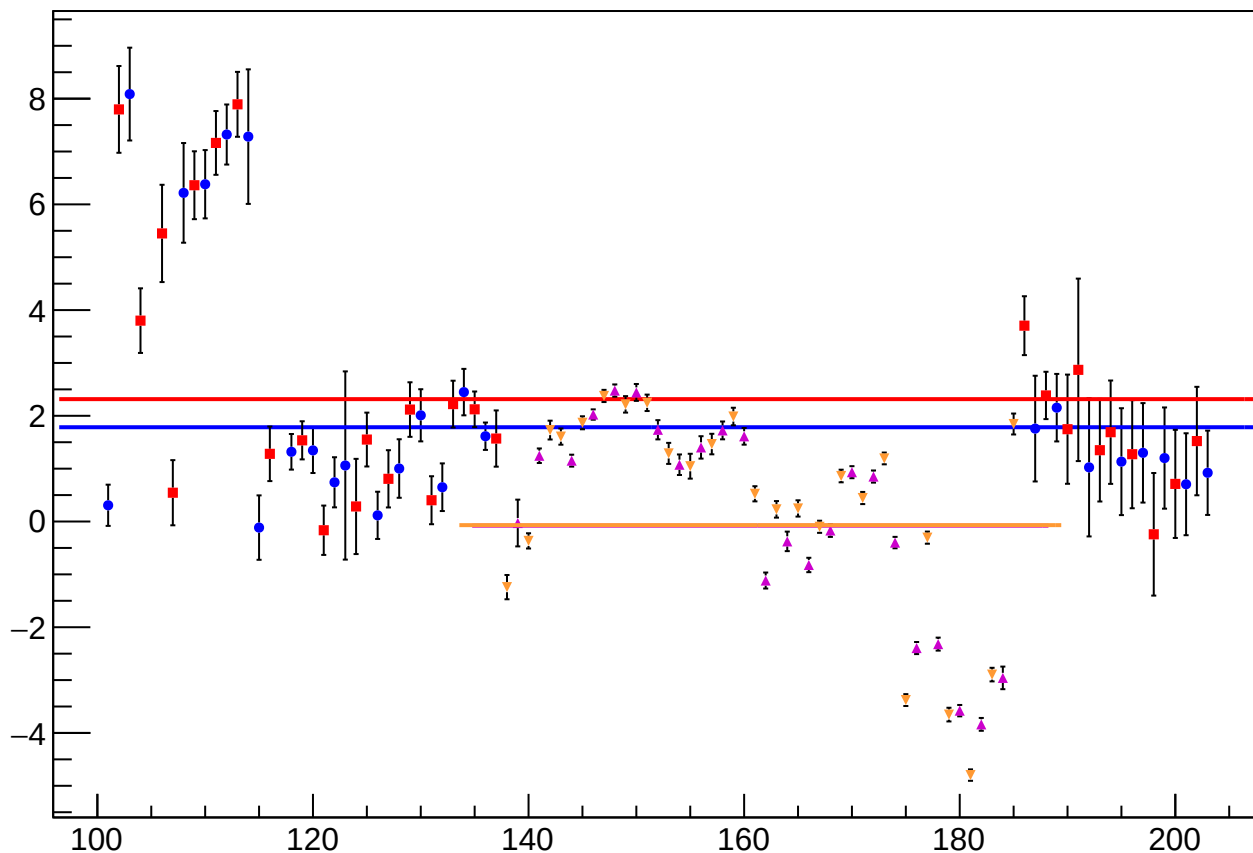
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.755 +/- 0.262 χ^2/NDF : 347.9/7
 Left Out: 7.766 +/- 0.034 χ^2/NDF : 11703.8/24
 Right Out: 0.463 +/- 0.208 χ^2/NDF : 1477.5/9
 Left In: 7.719 +/- 0.035 χ^2/NDF : 8490.5/22

Left: 7.743 +/- 0.025 χ^2/NDF : 20195.2/47
 Right: 2.130 +/- 0.163 χ^2/NDF : 1990.2/17
 In: 7.667 +/- 0.035 χ^2/NDF : 8964.6/30
 Out: 7.572 +/- 0.034 χ^2/NDF : 14376.9/34
 All: 7.619 +/- 0.024 χ^2/NDF : 23345.4/65

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.784 $\pm$ 0.109 χ^2 /NDF: 299.2/24

Left Out: -0.069 $\pm$ 0.028 χ^2 /NDF: 6033.5/24

Right Out: 2.315 $\pm$ 0.111 χ^2 /NDF: 346.3/27

Left In: -0.079 $\pm$ 0.028 χ^2 /NDF: 4989.1/22

Left: -0.074 $\pm$ 0.020 χ^2 /NDF: 11022.7/47

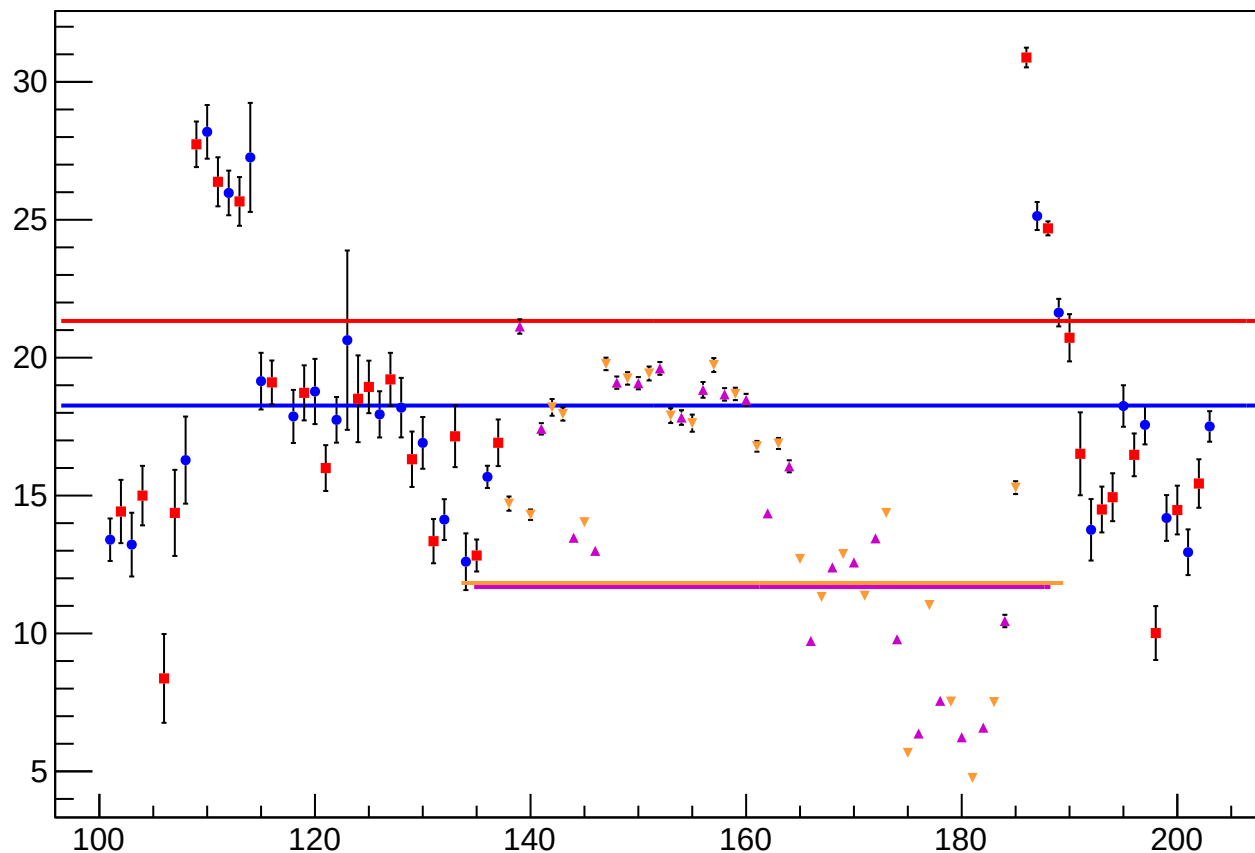
Right: 2.045 $\pm$ 0.078 χ^2 /NDF: 657.3/52

In: 0.038 $\pm$ 0.027 χ^2 /NDF: 5561.9/47

Out: 0.073 $\pm$ 0.027 χ^2 /NDF: 6816.0/52

All: 0.055 $\pm$ 0.019 χ^2 /NDF: 12378.7/100

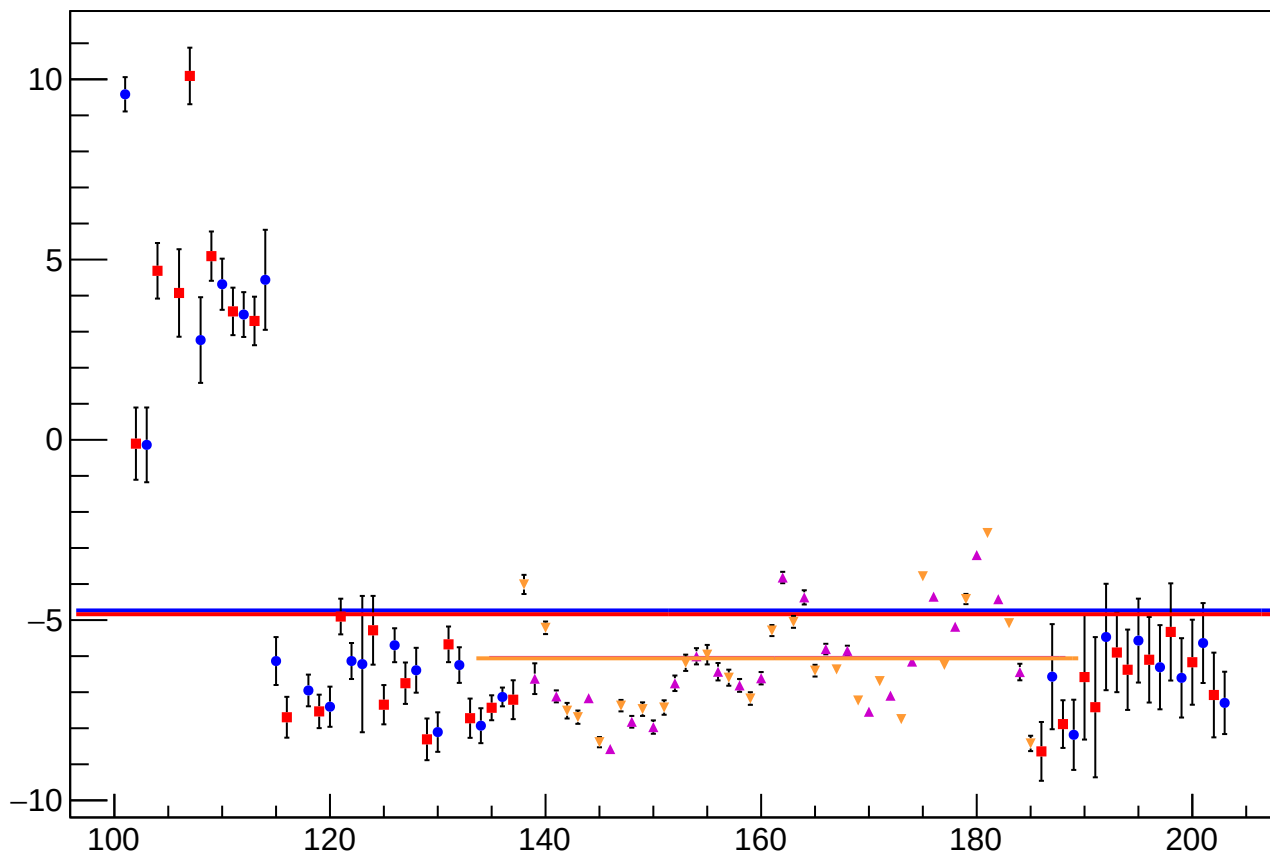
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.264 ± 0.156 $\chi^2/\text{NDF}: 695.2/24$
 Left Out: 11.830 ± 0.035 $\chi^2/\text{NDF}: 19032.5/24$
 Right Out: 21.332 ± 0.136 $\chi^2/\text{NDF}: 2024.7/27$
 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: 20.009 ± 0.103 $\chi^2/\text{NDF}: 2939.0/52$
 In: 11.998 ± 0.034 $\chi^2/\text{NDF}: 19309.4/47$
 Out: 12.411 ± 0.034 $\chi^2/\text{NDF}: 25634.5/52$
 All: 12.208 ± 0.024 $\chi^2/\text{NDF}: 45017.8/100$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.733 ± 0.123 χ^2/NDF : 1621.8/24

Left Out: -6.061 ± 0.031 χ^2/NDF : 2649.3/24

Right Out: -4.838 ± 0.127 χ^2/NDF : 1399.7/27

Left In: -6.050 ± 0.032 χ^2/NDF : 2303.3/22

Left: -6.055 ± 0.022 χ^2/NDF : 4952.7/47

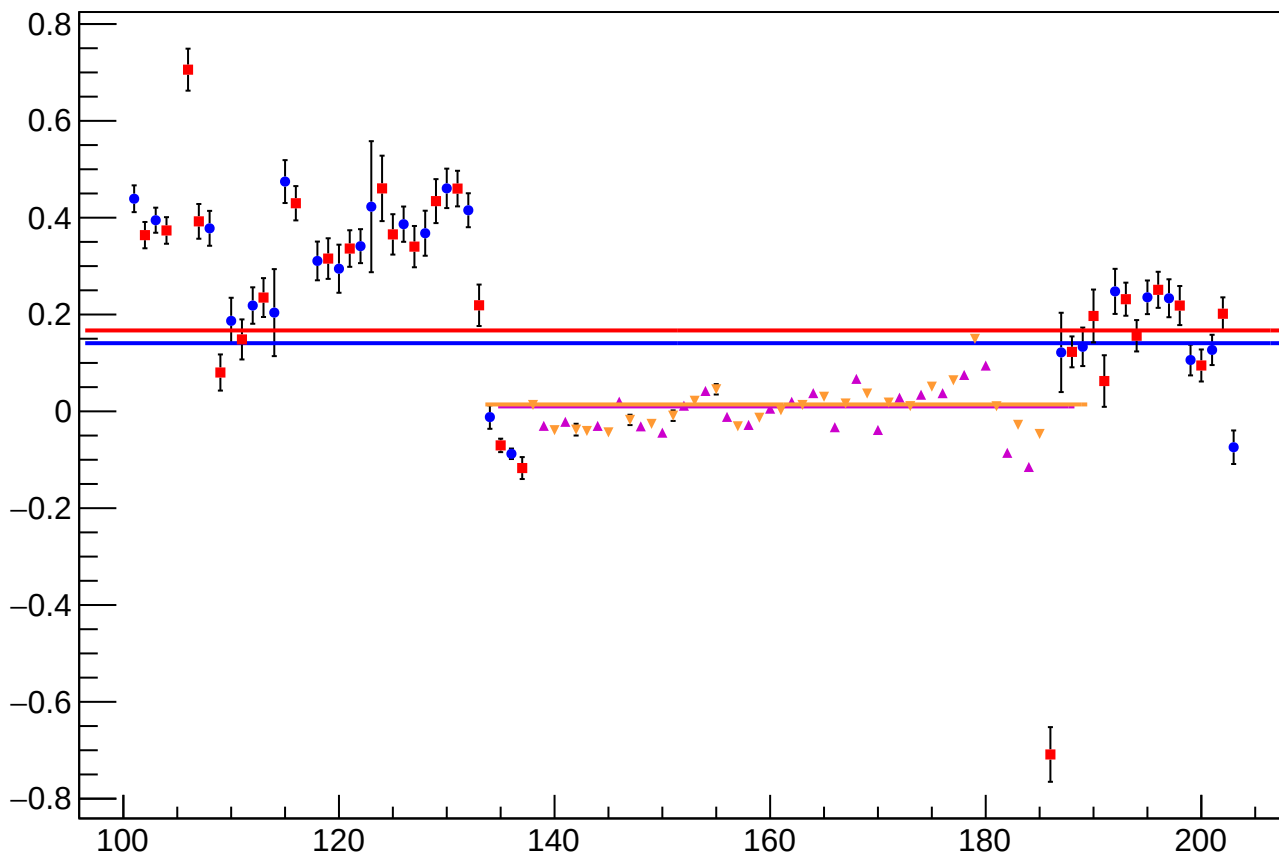
Right: -4.784 ± 0.088 χ^2/NDF : 3021.8/52

In: -5.968 ± 0.031 χ^2/NDF : 4032.6/47

Out: -5.991 ± 0.030 χ^2/NDF : 4136.4/52

All: -5.980 ± 0.022 χ^2/NDF : 8169.2/100

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.141 $\pm$ 0.006 χ^2 /NDF: 1118.8/24

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF:950.9/24

Right Out: 0.167 $\pm$ 0.006 χ^2 /NDF: 1269.3/27

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

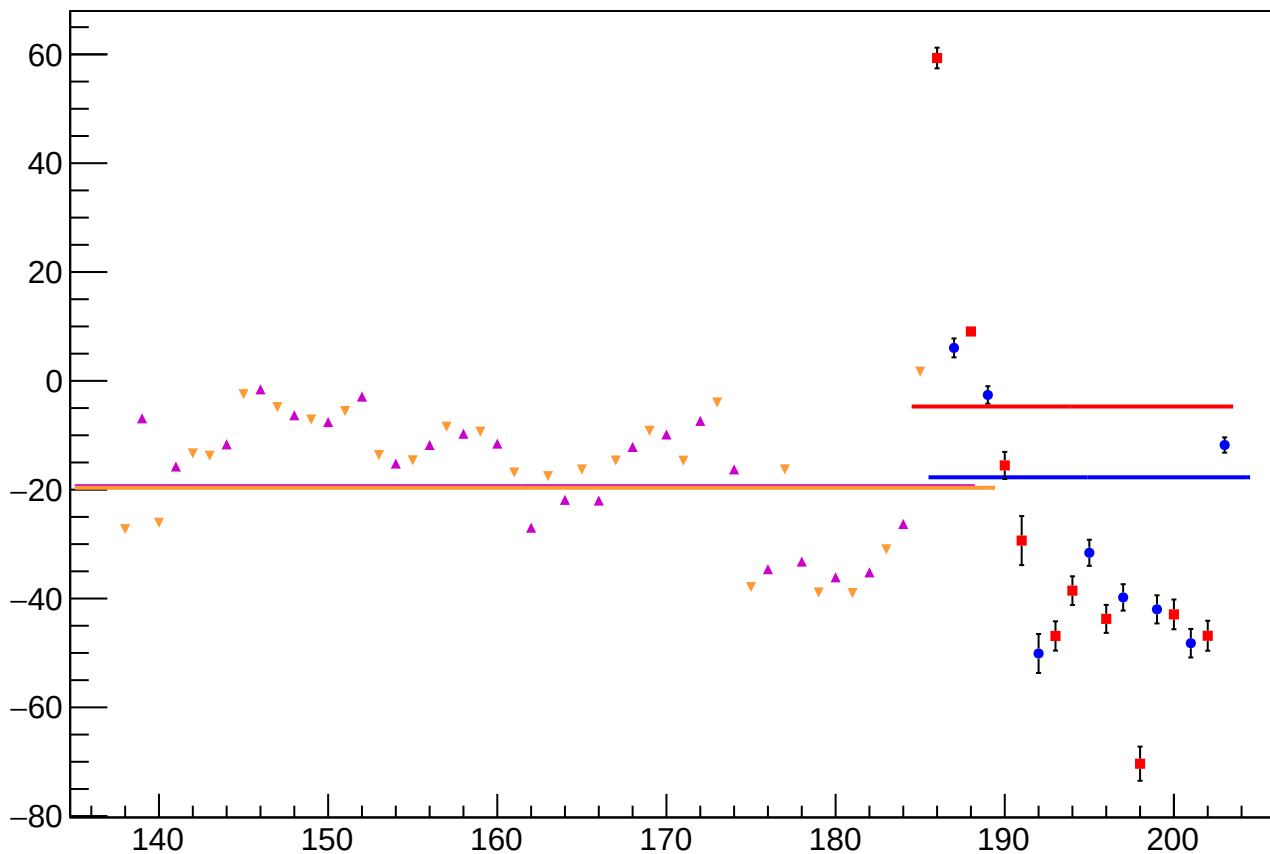
Right: 0.154 $\pm$ 0.004 χ^2 /NDF: 2396.9/52

In: 0.017 $\pm$ 0.001 χ^2 /NDF:2759.2/47

Out: 0.022 $\pm$ 0.001 χ^2 /NDF:2779.1/52

All: 0.019 $\pm$ 0.001 χ^2 /NDF: 5544.4/100

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.722 ± 0.718 χ^2/NDF : 714.0/7
 Left Out: -19.642 ± 0.103 χ^2/NDF : 15730.6/24
 Right Out: -4.714 ± 0.611 χ^2/NDF : 2955.9/9
 Left In: -19.355 ± 0.105 χ^2/NDF : 12417.1/22

Left: -19.501 ± 0.074 χ^2/NDF : 28151.5/47

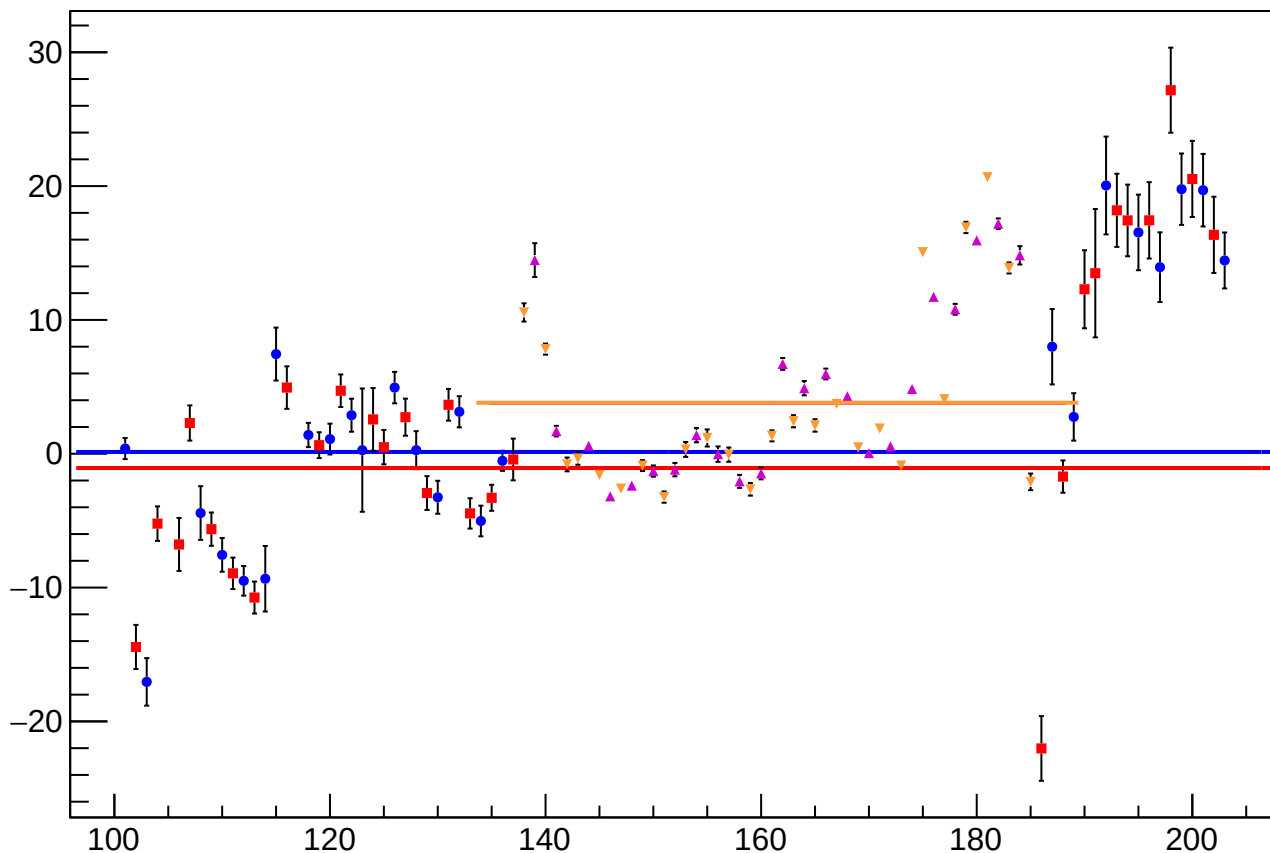
Right: -10.177 ± 0.465 χ^2/NDF : 3860.4/17

In: -19.321 ± 0.103 χ^2/NDF : 13136.2/30

Out: -19.227 ± 0.102 χ^2/NDF : 19267.0/34

All: -19.273 ± 0.073 χ^2/NDF : 32403.6/65

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.134 ± 0.275 χ^2/NDF : 555.0/24

Left Out: 3.811 ± 0.082 χ^2/NDF : 7118.3/24

Right Out: -1.066 ± 0.281 χ^2/NDF : 718.2/27

Left In: 3.795 ± 0.083 χ^2/NDF : 5534.4/22

Left: 3.803 ± 0.059 χ^2/NDF : 12652.7/47

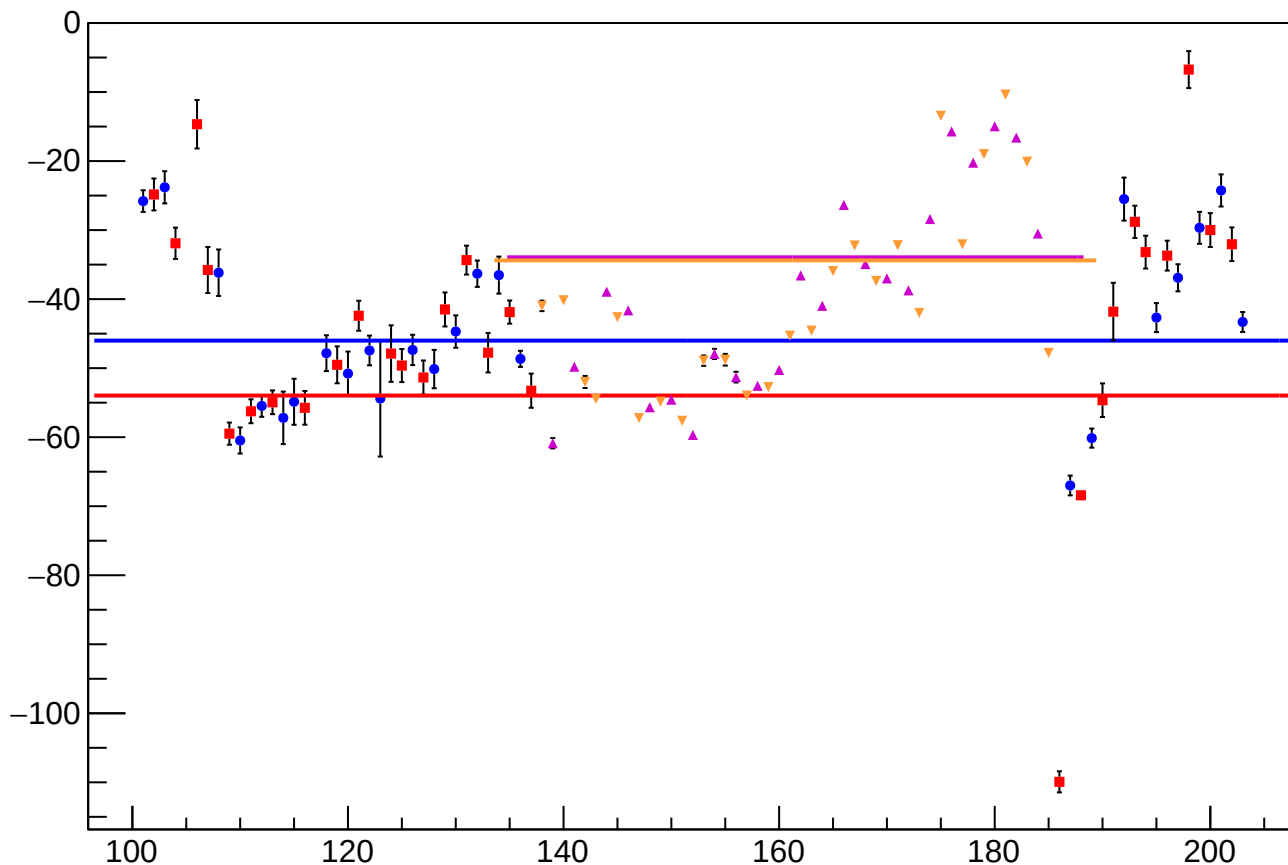
Right: -0.454 ± 0.197 χ^2/NDF : 1282.6/52

In: 3.488 ± 0.080 χ^2/NDF : 6251.4/47

Out: 3.426 ± 0.079 χ^2/NDF : 8114.1/52

All: 3.457 ± 0.056 χ^2/NDF : 14365.8/100

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -46.012 ± 0.405 χ^2/NDF : 952.7/24

Left Out: -34.389 ± 0.104 χ^2/NDF : 20032.2/24

Right Out: -53.971 ± 0.368 χ^2/NDF : 3194.4/27

Left In: -33.946 ± 0.105 χ^2/NDF : 17855.4/22

Left: -34.169 ± 0.074 χ^2/NDF : 37896.7/47

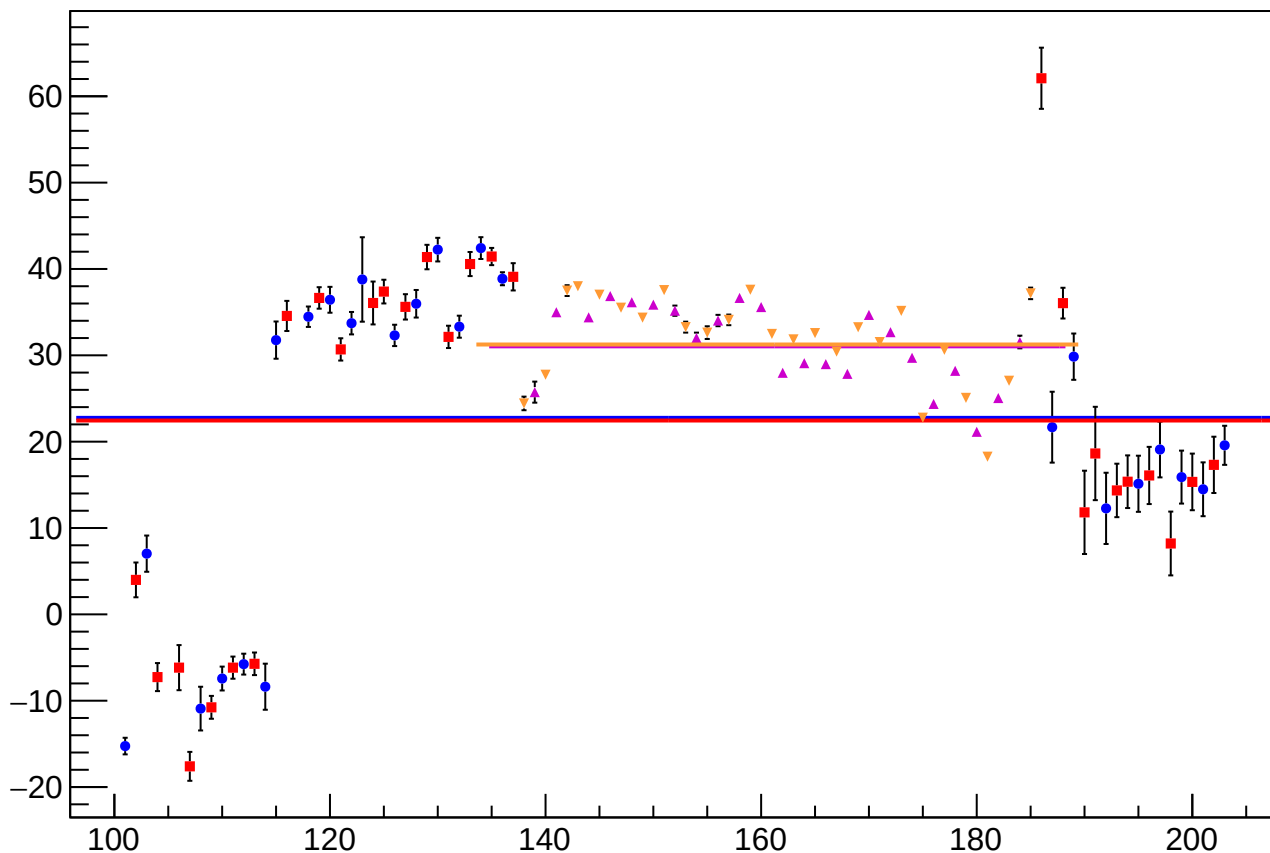
Right: -50.371 ± 0.272 χ^2/NDF : 4359.1/52

In: -34.706 ± 0.101 χ^2/NDF : 19641.8/47

Out: -35.843 ± 0.100 χ^2/NDF : 25853.8/52

All: -35.282 ± 0.071 χ^2/NDF : 45559.3/100

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.757 $\pm$ 0.312 χ^2 /NDF: 4381.3/24

Left Out: 31.252 $\pm$ 0.093 χ^2 /NDF:3305.3/24

Right Out: 22.450 $\pm$ 0.321 χ^2 /NDF: 4254.2/27

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

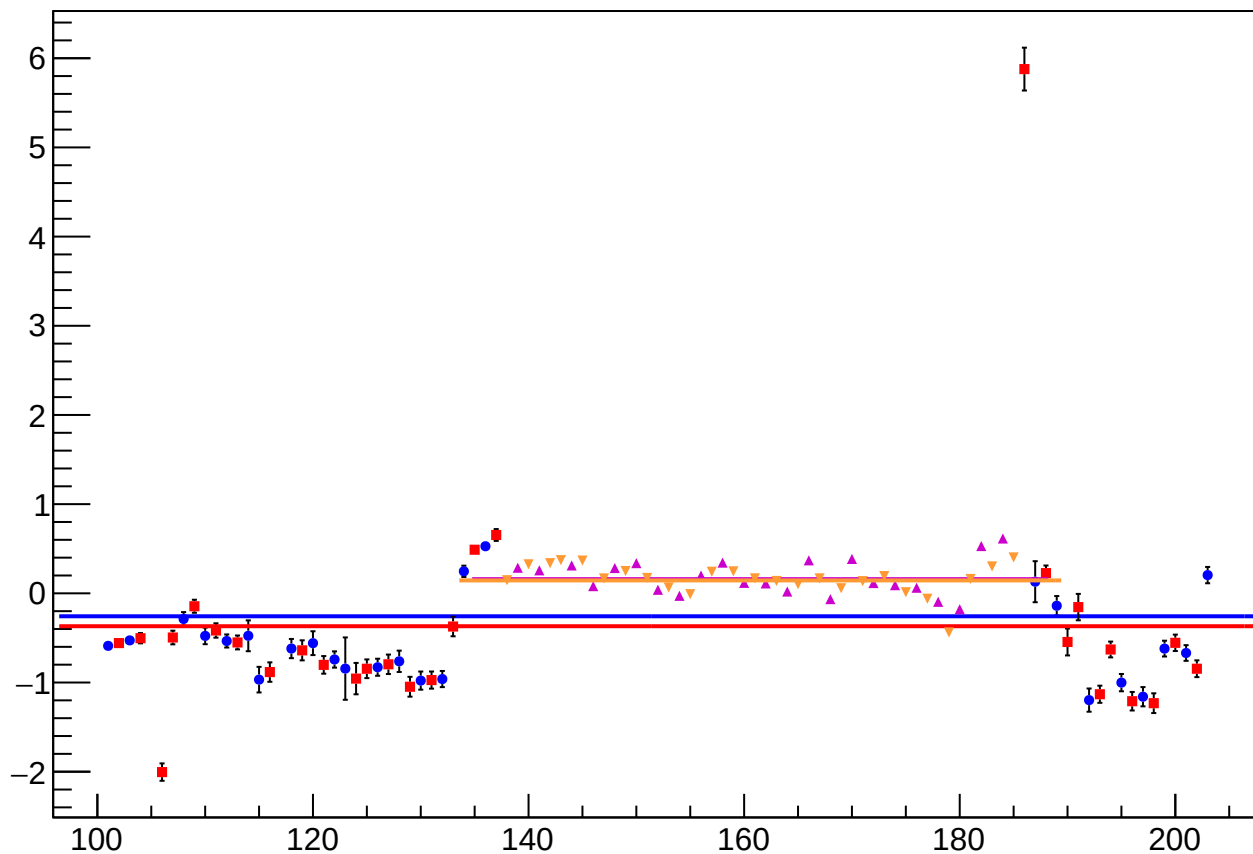
Right: 22.608 $\pm$ 0.224 χ^2 /NDF: 8635.9/52

In: 30.354 $\pm$ 0.090 χ^2 /NDF:7515.5/47

Out: 30.578 $\pm$ 0.089 χ^2 /NDF:8251.8/52

All: 30.467 $\pm$ 0.063 χ^2 /NDF: 15770.4/100

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.257 ± 0.016 χ^2/NDF : 1264.9/24

Left Out: 0.145 ± 0.004 χ^2/NDF : 1572.6/24

Right Out: -0.369 ± 0.016 χ^2/NDF : 2141.1/27

Left In: 0.159 ± 0.004 χ^2/NDF : 2020.5/22

Left: 0.152 ± 0.003 χ^2/NDF : 3598.6/47

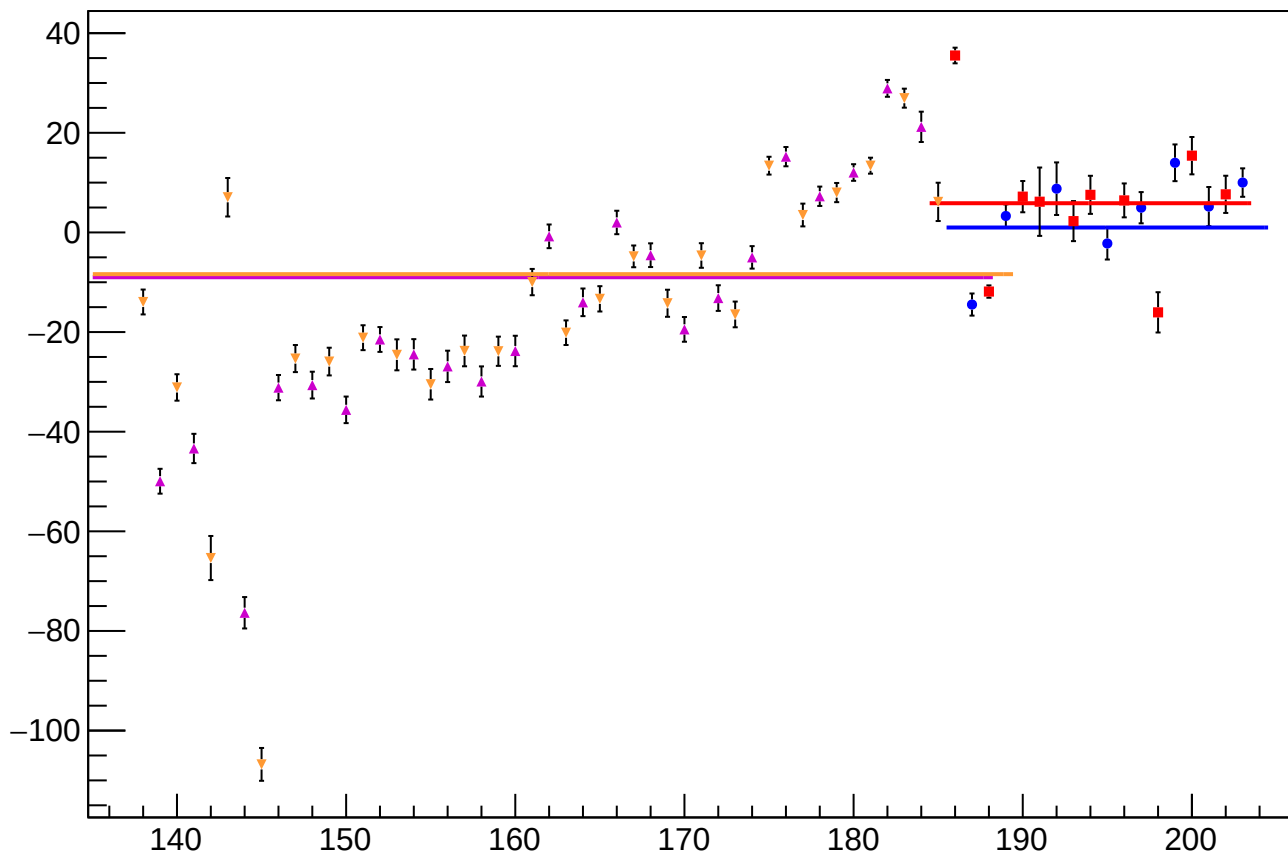
Right: -0.313 ± 0.011 χ^2/NDF : 3430.2/52

In: 0.131 ± 0.004 χ^2/NDF : 3918.0/47

Out: 0.111 ± 0.004 χ^2/NDF : 4674.9/52

All: 0.121 ± 0.003 χ^2/NDF : 8604.5/100

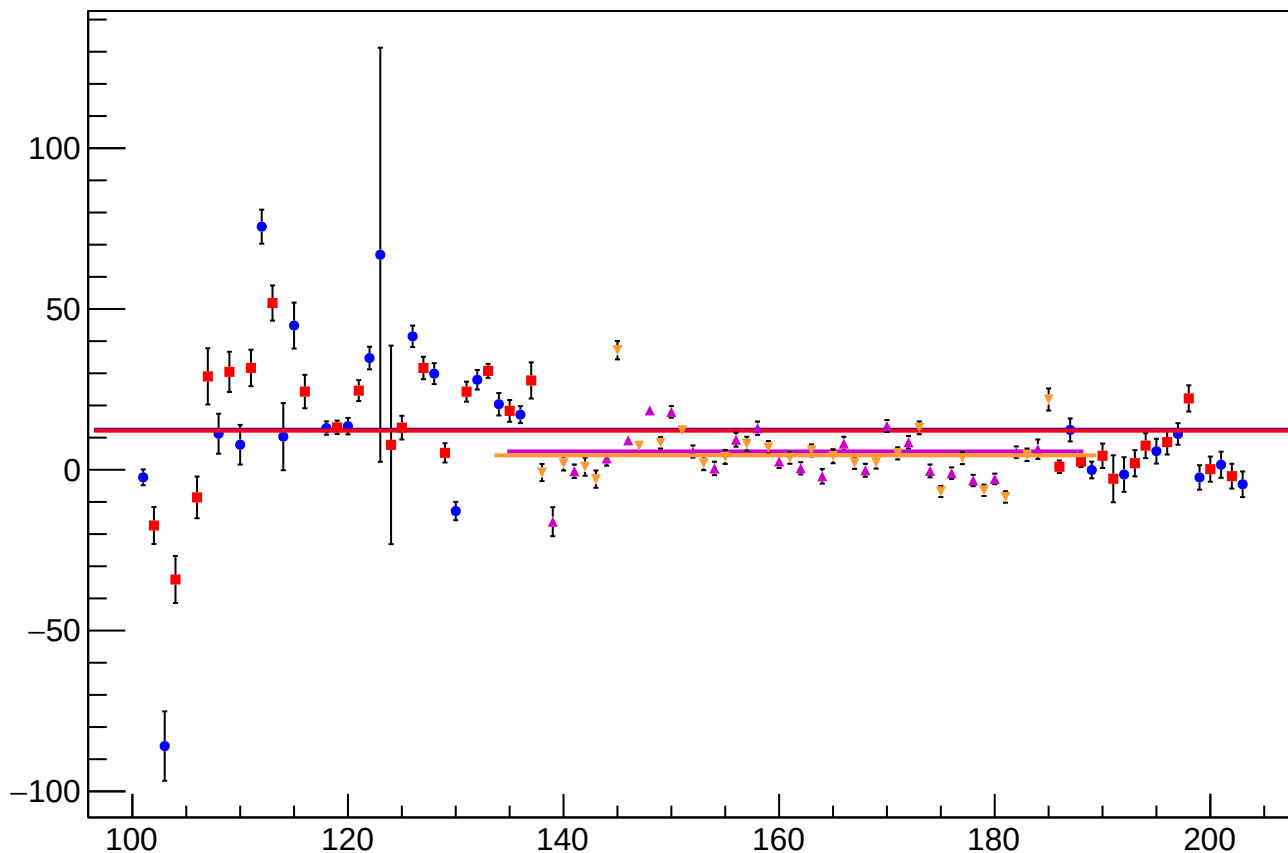
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.987 $\pm$ 1.064 χ^2/NDF : 77.9/7
 Left Out: -8.375 $\pm$ 0.500 χ^2/NDF :2224.0/24
 Right Out: 5.863 $\pm$ 0.790 χ^2/NDF : 598.4/9
 Left In: -8.995 $\pm$ 0.505 χ^2/NDF :2308.2/22

Left: -8.682 $\pm$ 0.355 χ^2/NDF : 4533.0/47
 Right: 4.130 $\pm$ 0.635 χ^2/NDF : 689.8/17
 In: -7.160 $\pm$ 0.456 χ^2/NDF :2457.9/30
 Out: -4.303 $\pm$ 0.423 χ^2/NDF :3054.1/34
 All: -5.623 $\pm$ 0.310 χ^2/NDF : 5533.0/65

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.449 $\pm$ 0.707 χ^2 /NDF: 616.2/24

Left Out: 4.494 $\pm$ 0.393 χ^2 /NDF: 372.1/24

Right Out: 12.172 $\pm$ 0.658 χ^2 /NDF: 418.6/27

Left In: 5.699 $\pm$ 0.403 χ^2 /NDF: 329.1/22

Left: 5.081 $\pm$ 0.281 χ^2 /NDF: 705.8/47

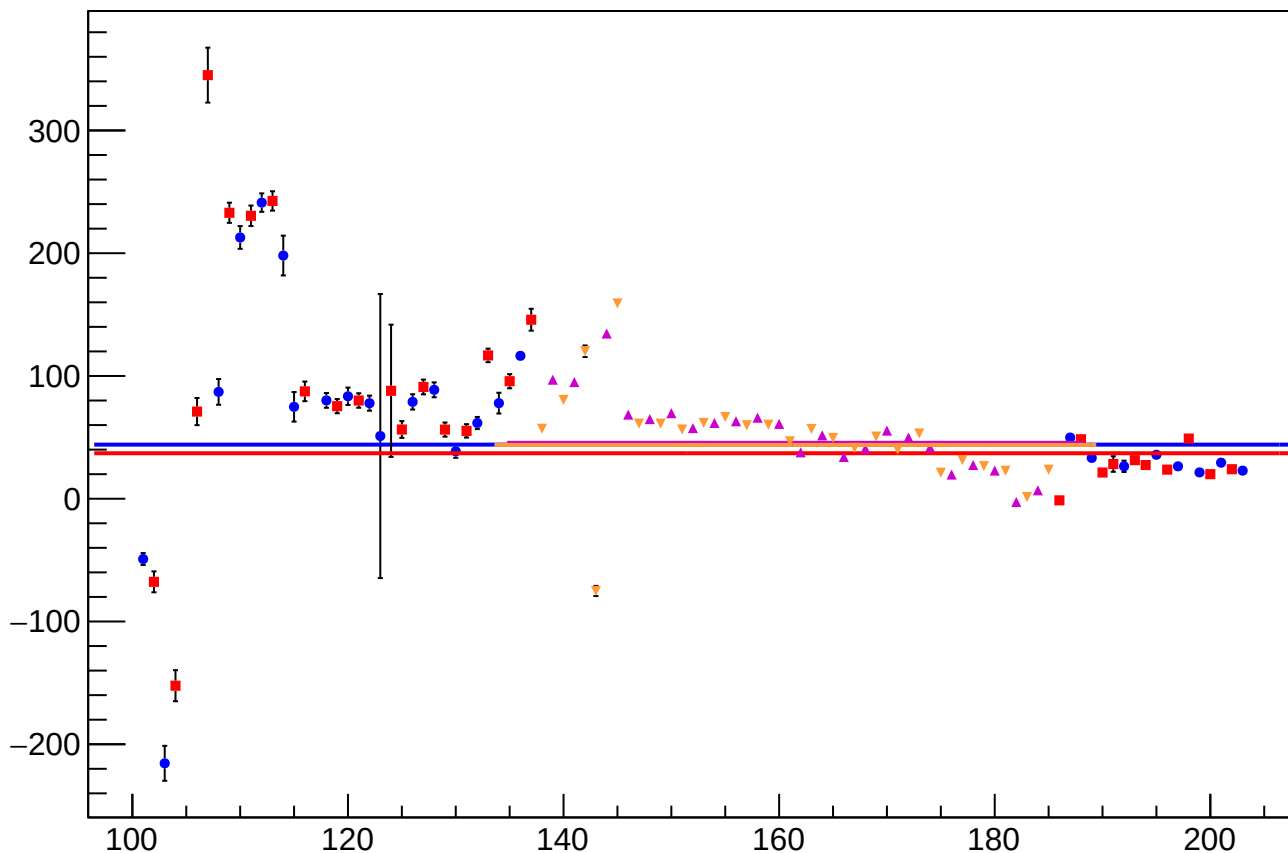
Right: 12.300 $\pm$ 0.482 χ^2 /NDF: 1034.9/52

In: 7.357 $\pm$ 0.350 χ^2 /NDF: 1014.1/47

Out: 6.510 $\pm$ 0.337 χ^2 /NDF: 891.1/52

All: 6.917 $\pm$ 0.243 χ^2 /NDF: 1908.2/100

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 44.073 ± 0.801 $\chi^2/\text{NDF}: 2588.2/24$

Left Out: 43.840 ± 0.499 $\chi^2/\text{NDF}: 3680.9/24$

Right Out: 37.055 ± 0.613 $\chi^2/\text{NDF}: 4247.4/27$

Left In: 45.559 ± 0.502 $\chi^2/\text{NDF}: 3152.4/22$

Left: 44.693 ± 0.354 $\chi^2/\text{NDF}: 6839.2/47$

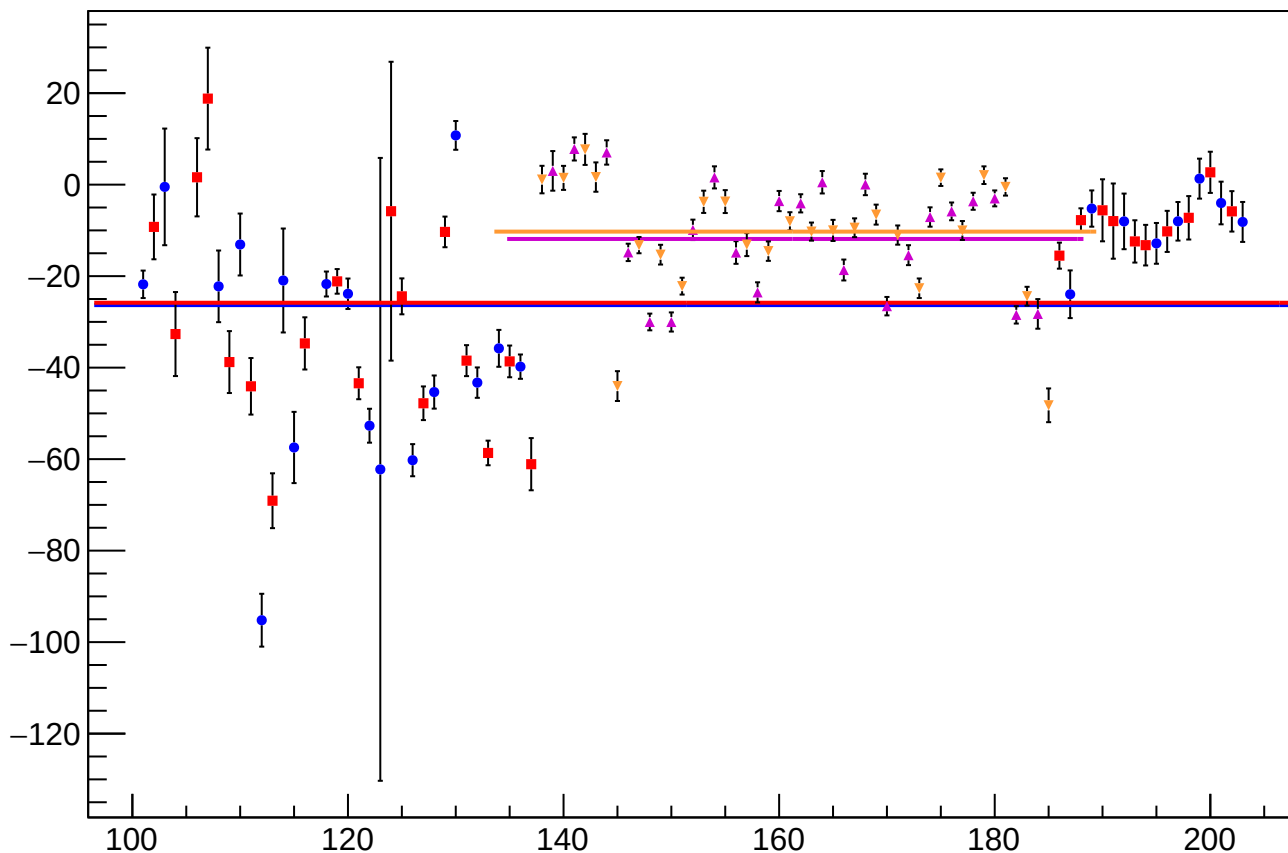
Right: 39.647 ± 0.487 $\chi^2/\text{NDF}: 6884.0/52$

In: 45.139 ± 0.426 $\chi^2/\text{NDF}: 5743.1/47$

Out: 41.135 ± 0.387 $\chi^2/\text{NDF}: 8002.0/52$

All: 42.947 ± 0.286 $\chi^2/\text{NDF}: 13793.5/100$

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.334 ± 0.832 χ^2/NDF : 686.2/24

Left Out: -10.267 ± 0.445 χ^2/NDF : 553.7/24

Right Out: -25.817 ± 0.803 χ^2/NDF : 580.1/27

Left In: -11.875 ± 0.455 χ^2/NDF : 668.4/22

Left: -11.053 ± 0.318 χ^2/NDF : 1228.5/47

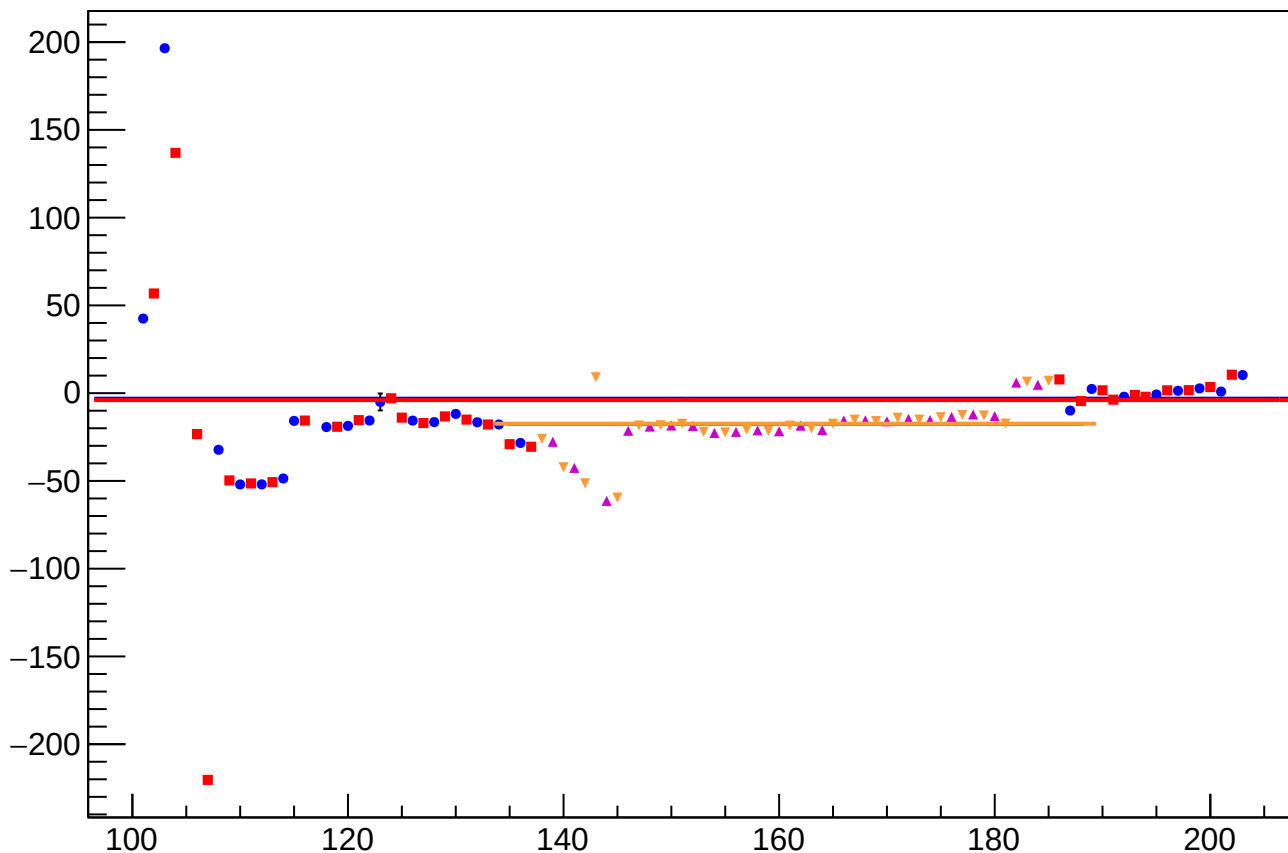
Right: -26.066 ± 0.578 χ^2/NDF : 1266.5/52

In: -15.200 ± 0.399 χ^2/NDF : 1587.0/47

Out: -13.919 ± 0.389 χ^2/NDF : 1420.7/52

All: -14.543 ± 0.279 χ^2/NDF : 3013.0/100

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -3.147 ± 0.040 χ^2/NDF : 598247.5/24

Left Out: -17.411 ± 0.020 χ^2/NDF : 320231.3/24

Right Out: -3.956 ± 0.037 χ^2/NDF : 598688.9/27

Left In: -17.552 ± 0.021 χ^2/NDF : 261900.3/22

Left: -17.481 ± 0.015 χ^2/NDF : 582155.3/47

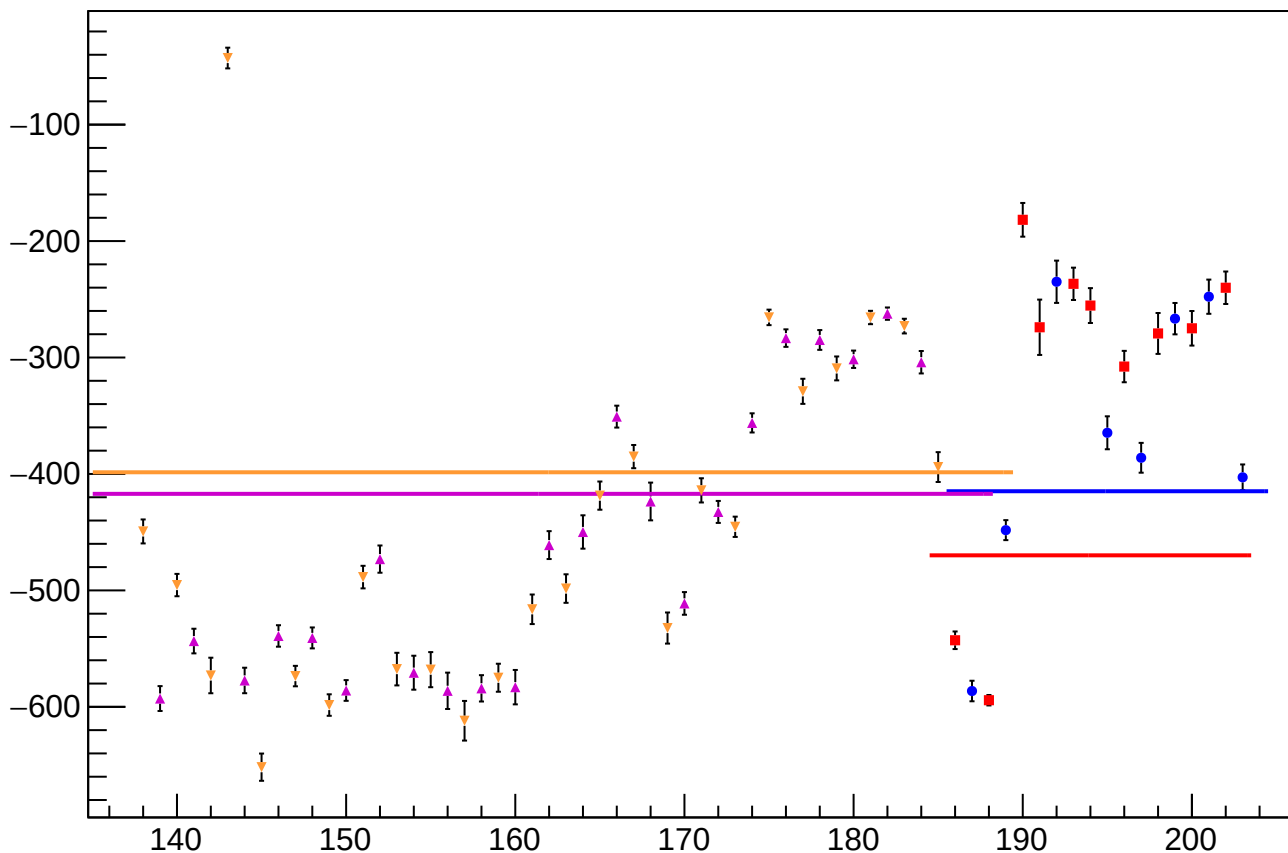
Right: -3.579 ± 0.027 χ^2/NDF : 1197155.0/52

In: -14.534 ± 0.018 χ^2/NDF : 962700.6/47

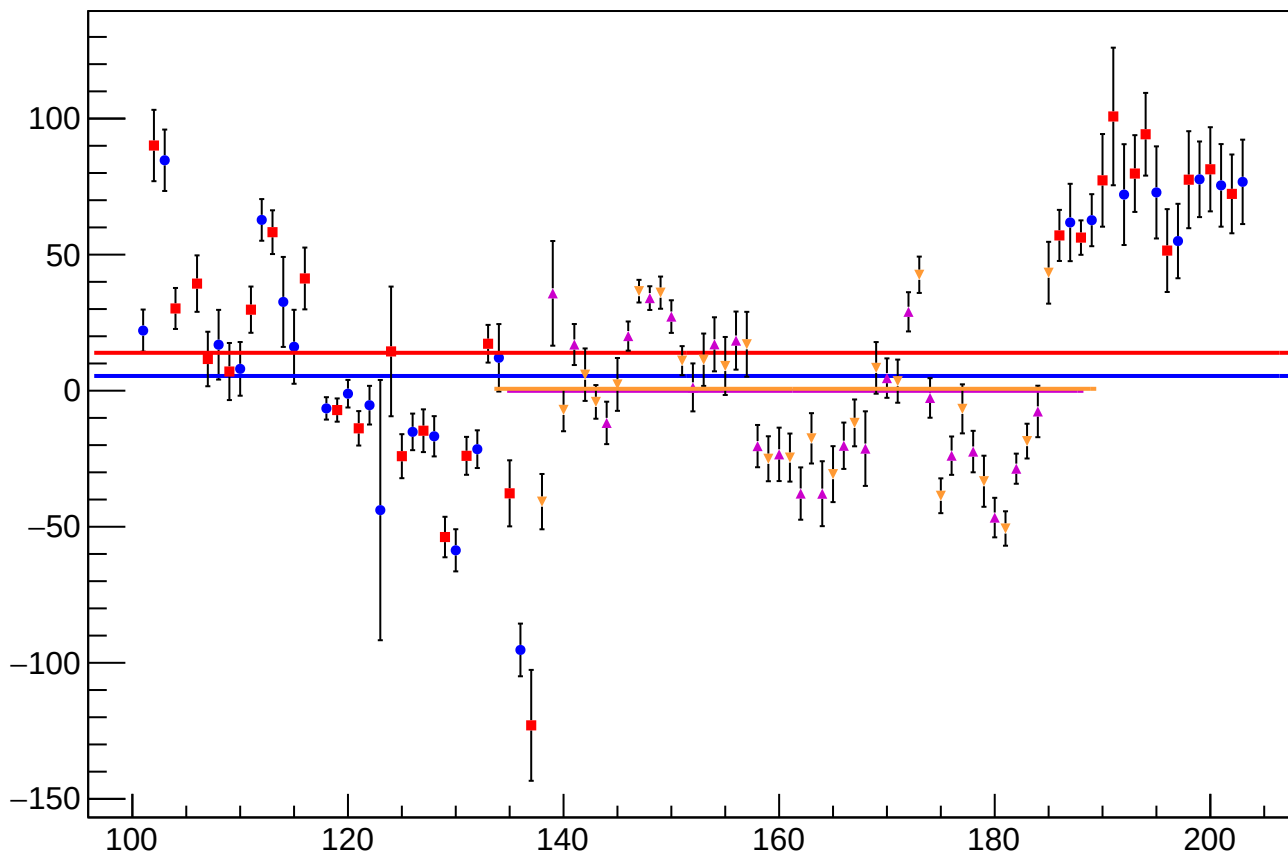
Out: -14.317 ± 0.018 χ^2/NDF : 1018684.1/52

All: -14.423 ± 0.013 χ^2/NDF : 1981456.5/100

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.411 ± 1.763 $\chi^2/\text{NDF}: 501.1/24$

Left Out: 0.697 ± 1.510 $\chi^2/\text{NDF}: 349.9/24$

Right Out: 13.922 ± 1.721 $\chi^2/\text{NDF}: 534.7/27$

Left In: -0.052 ± 1.571 $\chi^2/\text{NDF}: 264.1/22$

Left: 0.337 ± 1.089 $\chi^2/\text{NDF}: 614.1/47$

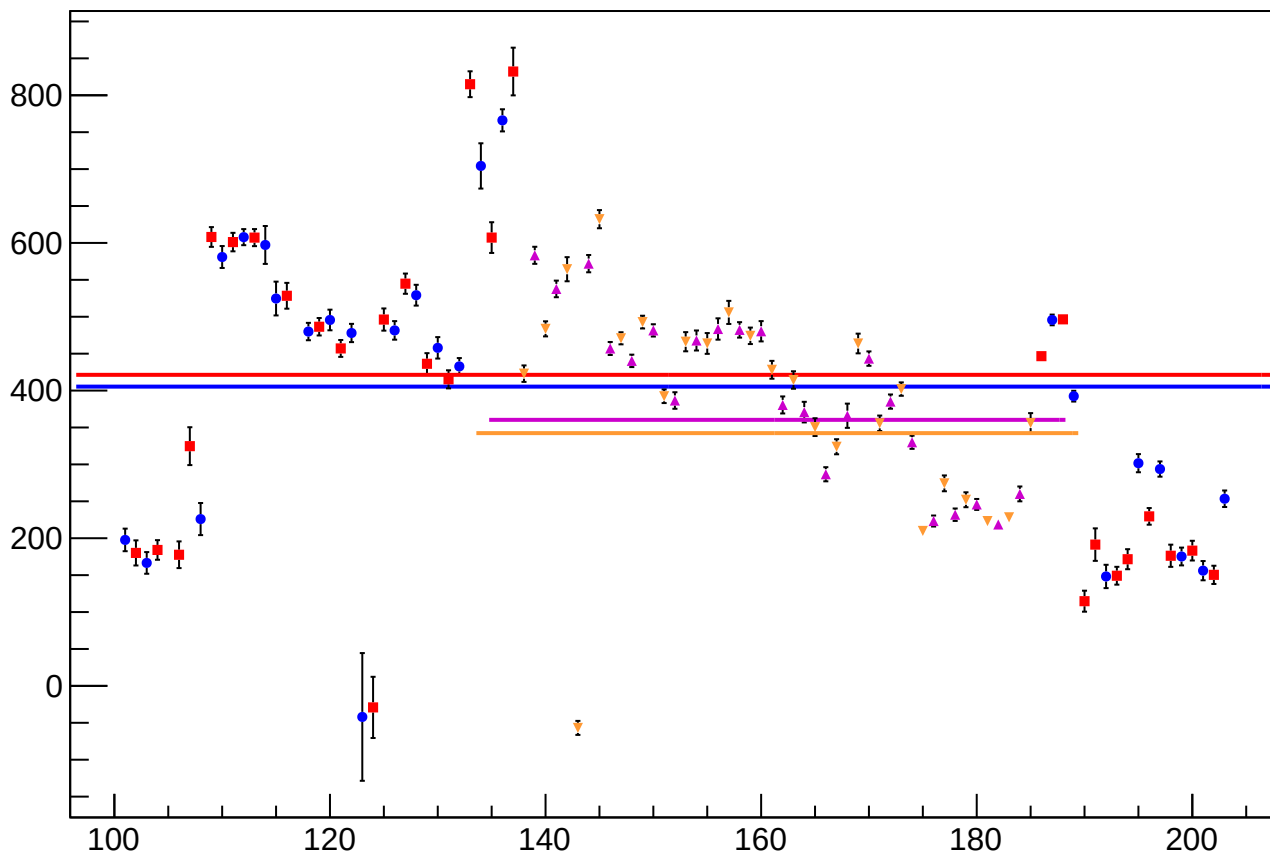
Right: 9.770 ± 1.231 $\chi^2/\text{NDF}: 1047.7/52$

In: 2.366 ± 1.173 $\chi^2/\text{NDF}: 770.5/47$

Out: 6.451 ± 1.135 $\chi^2/\text{NDF}: 918.0/52$

All: 4.475 ± 0.816 $\chi^2/\text{NDF}: 1694.7/100$

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 405.368 $\pm$ 2.544 χ^2 /NDF: 3561.4/24

Left Out: 342.368 $\pm$ 1.970 χ^2 /NDF:5181.7/24

Right Out: 421.327 $\pm$ 2.097 χ^2 /NDF: 5651.0/27

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

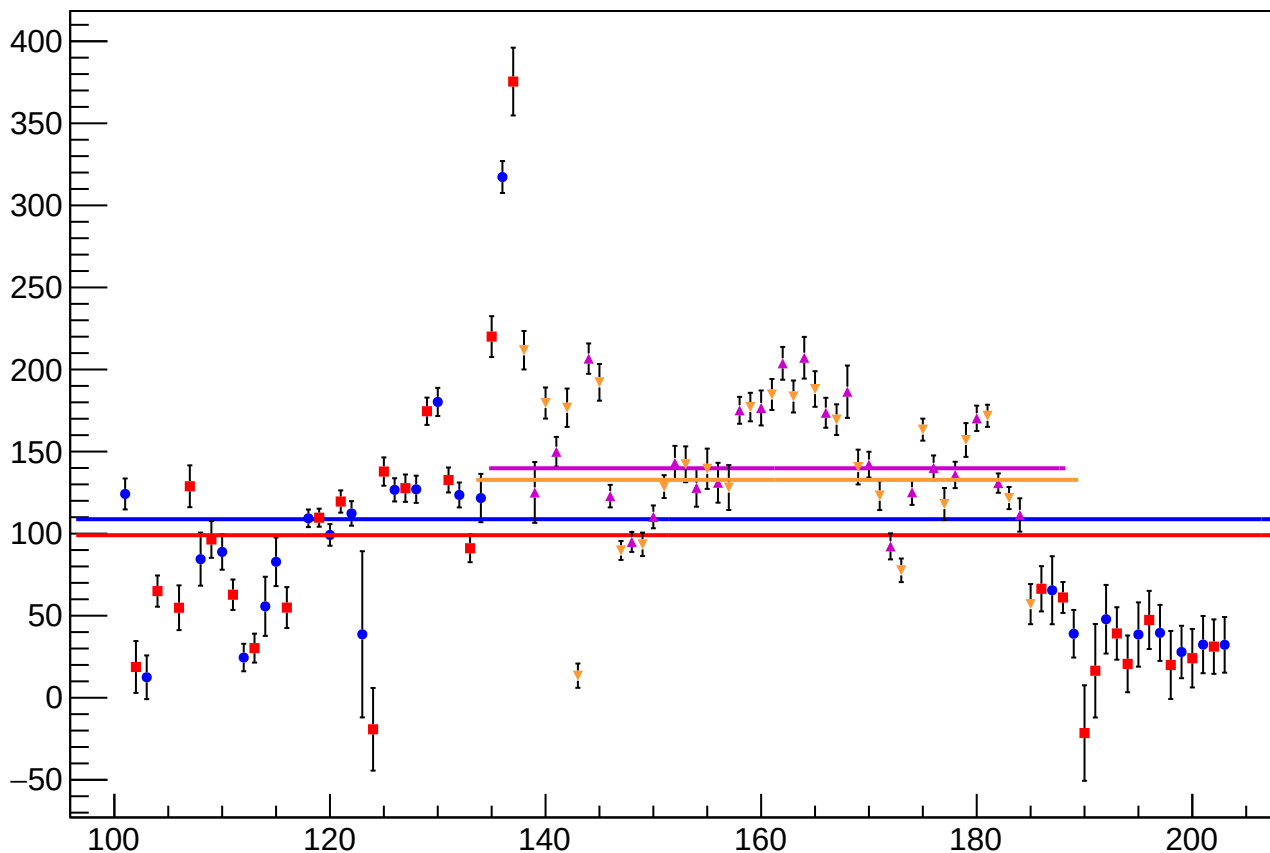
Right: 414.870 $\pm$ 1.618 χ^2 /NDF: 9235.8/52

In: 377.504 $\pm$ 1.570 χ^2 /NDF:7205.1/47

Out: 379.380 $\pm$ 1.436 χ^2 /NDF:11585.9/52

All: 378.526 $\pm$ 1.060 χ^2 /NDF: 18791.8/100

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 108.796 $\pm$ 2.067 χ^2 /NDF: 853.6/24

Left Out: 132.762 $\pm$ 1.736 χ^2 /NDF:749.6/24

Right Out: 99.052 $\pm$ 2.029 χ^2 /NDF: 726.6/27

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

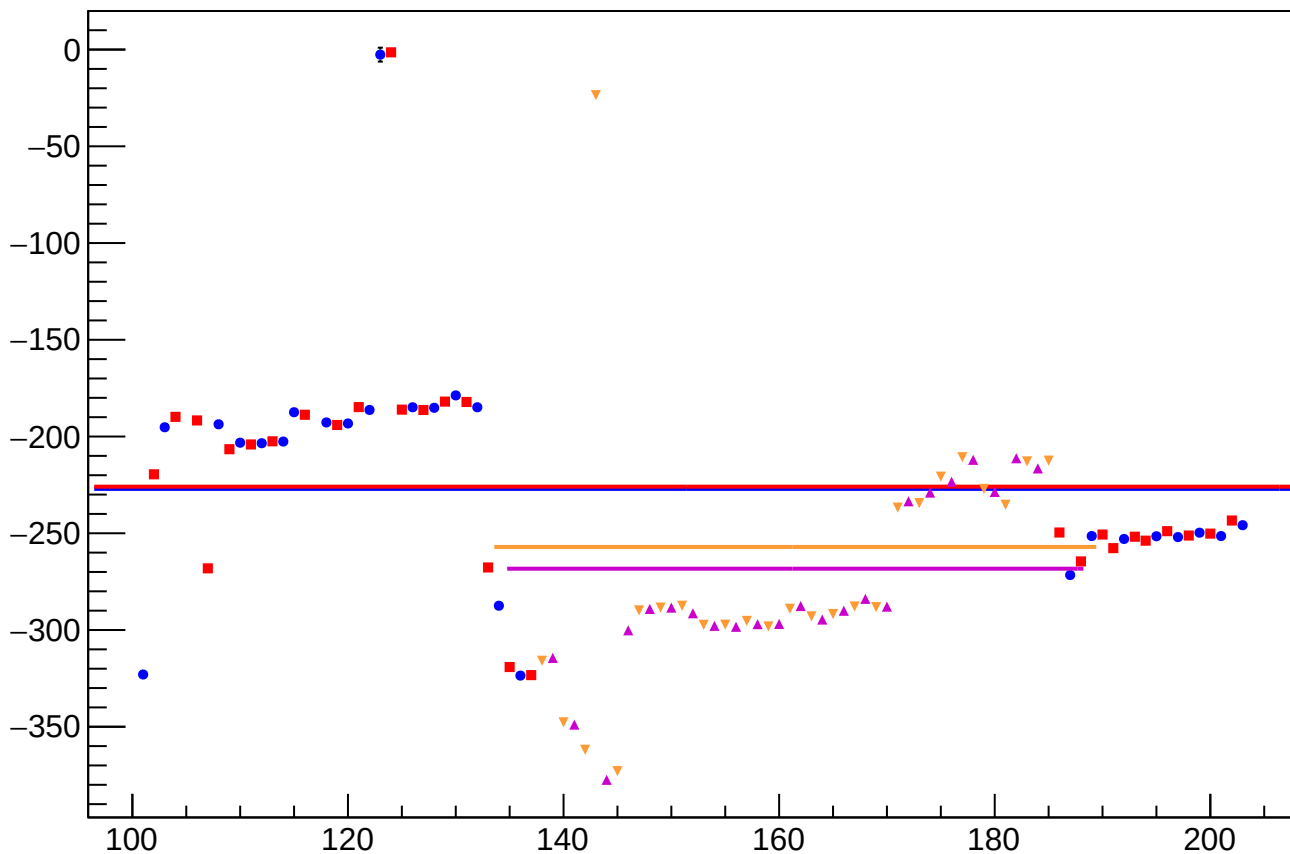
Right: 103.835 $\pm$ 1.448 χ^2 /NDF: 1591.5/52

In: 126.532 $\pm$ 1.353 χ^2 /NDF:1304.1/47

Out: 118.520 $\pm$ 1.319 χ^2 /NDF:1635.6/52

All: 122.424 $\pm$ 0.944 χ^2 /NDF: 2957.6/100

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -227.057 ± 0.114 $\chi^2/\text{NDF}: 166629.2/24$

Left Out: -257.067 ± 0.082 $\chi^2/\text{NDF}: 665762.3/24$

Right Out: -225.909 ± 0.106 $\chi^2/\text{NDF}: 145802.1/27$

Left In: -268.305 ± 0.083 $\chi^2/\text{NDF}: 264853.3/22$

Left: -262.619 ± 0.059 $\chi^2/\text{NDF}: 939831.3/47$

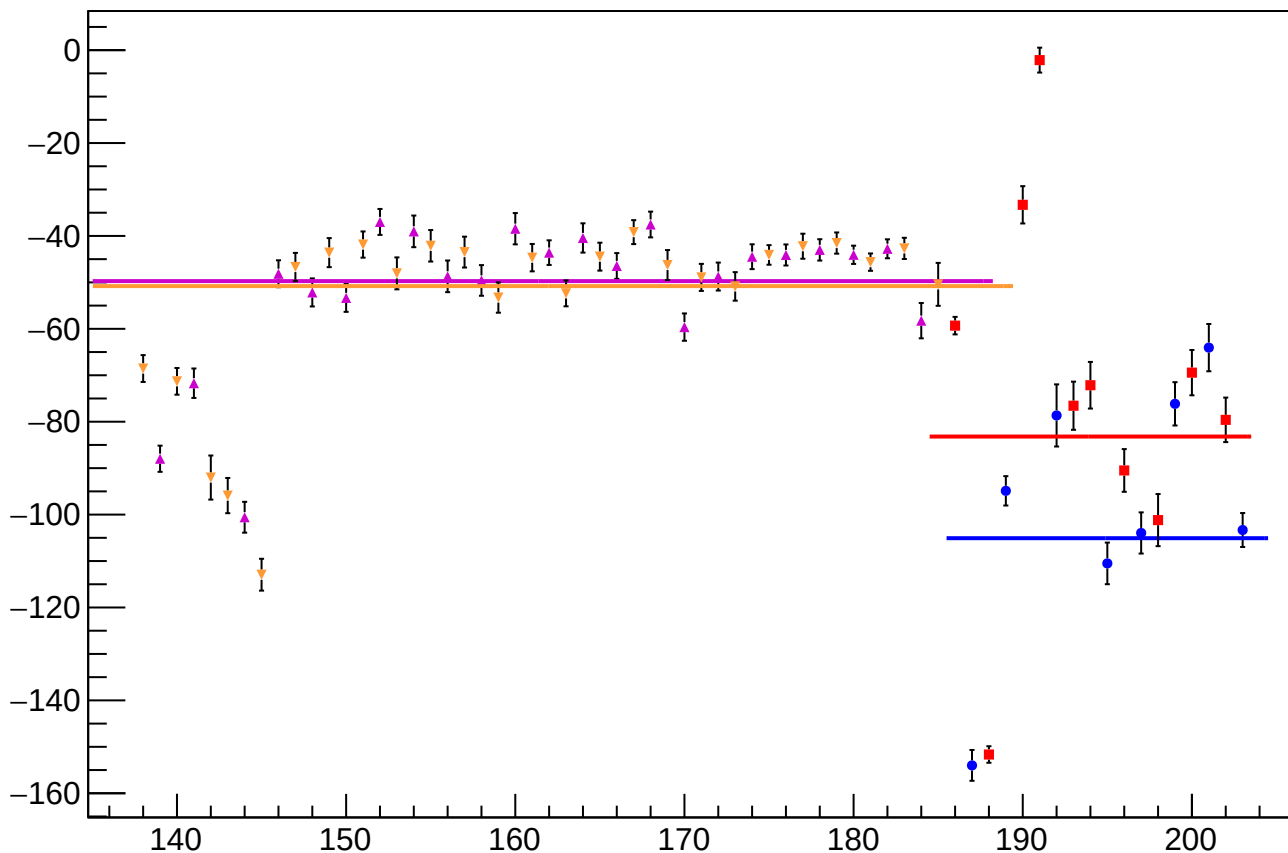
Right: -226.442 ± 0.078 $\chi^2/\text{NDF}: 312485.8/52$

In: -253.909 ± 0.067 $\chi^2/\text{NDF}: 517127.2/47$

Out: -245.340 ± 0.065 $\chi^2/\text{NDF}: 865540.7/52$

All: -249.481 ± 0.047 $\chi^2/\text{NDF}: 1391073.7/10$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Left: -50.272 ± 0.408 χ^2/NDF : 1355.3/47

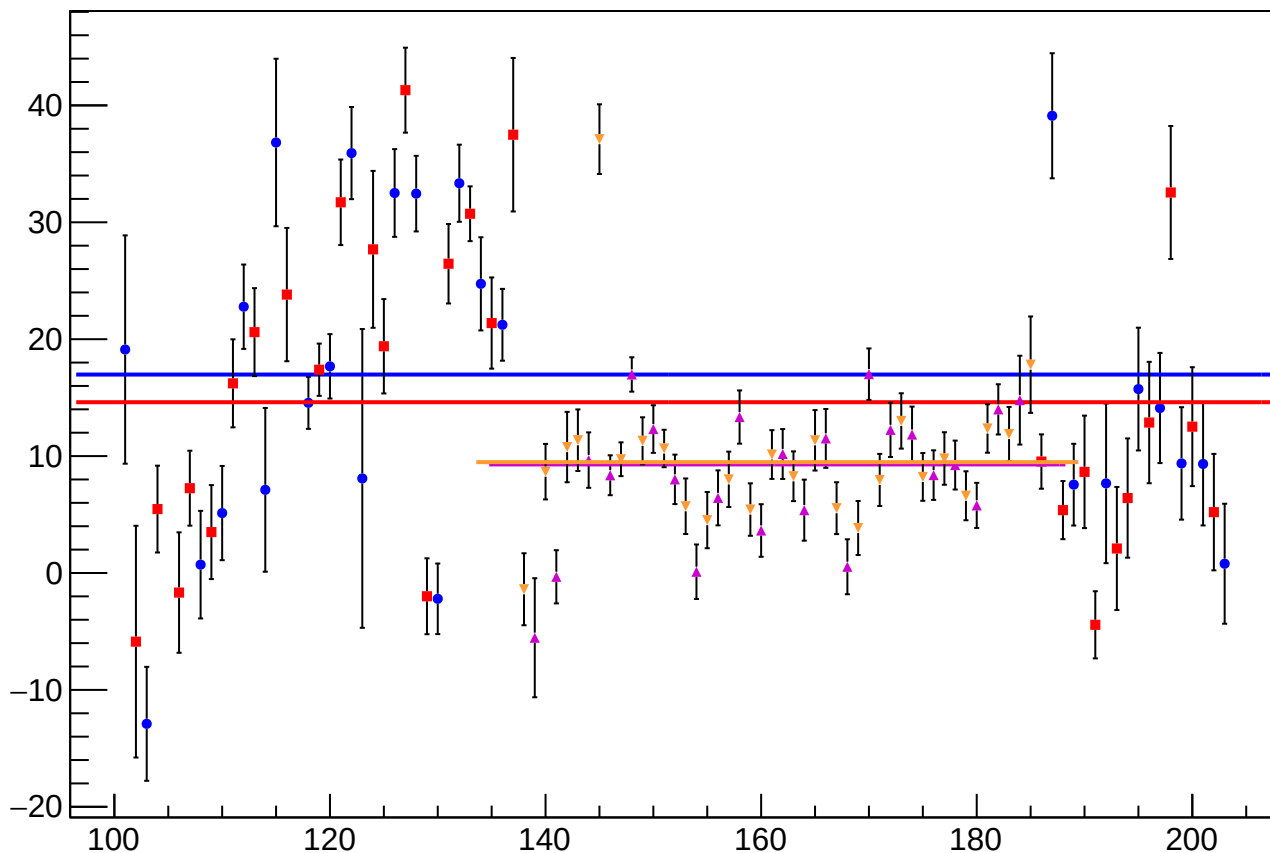
Right: -90.042 ± 0.813 χ^2/NDF : 3240.7/17

In: -57.365 ± 0.540 χ^2/NDF : 2199.8/30

Out: -59.062 ± 0.495 χ^2/NDF : 4301.6/34

All: -58.287 ± 0.365 χ^2/NDF : 6506.7/65

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.975 $\pm$ 0.802 χ^2 /NDF: 247.9/24

Left Out: 9.483 $\pm$ 0.447 χ^2 /NDF:133.0/24

Right Out: 14.610 $\pm$ 0.695 χ^2 /NDF: 308.0/27

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

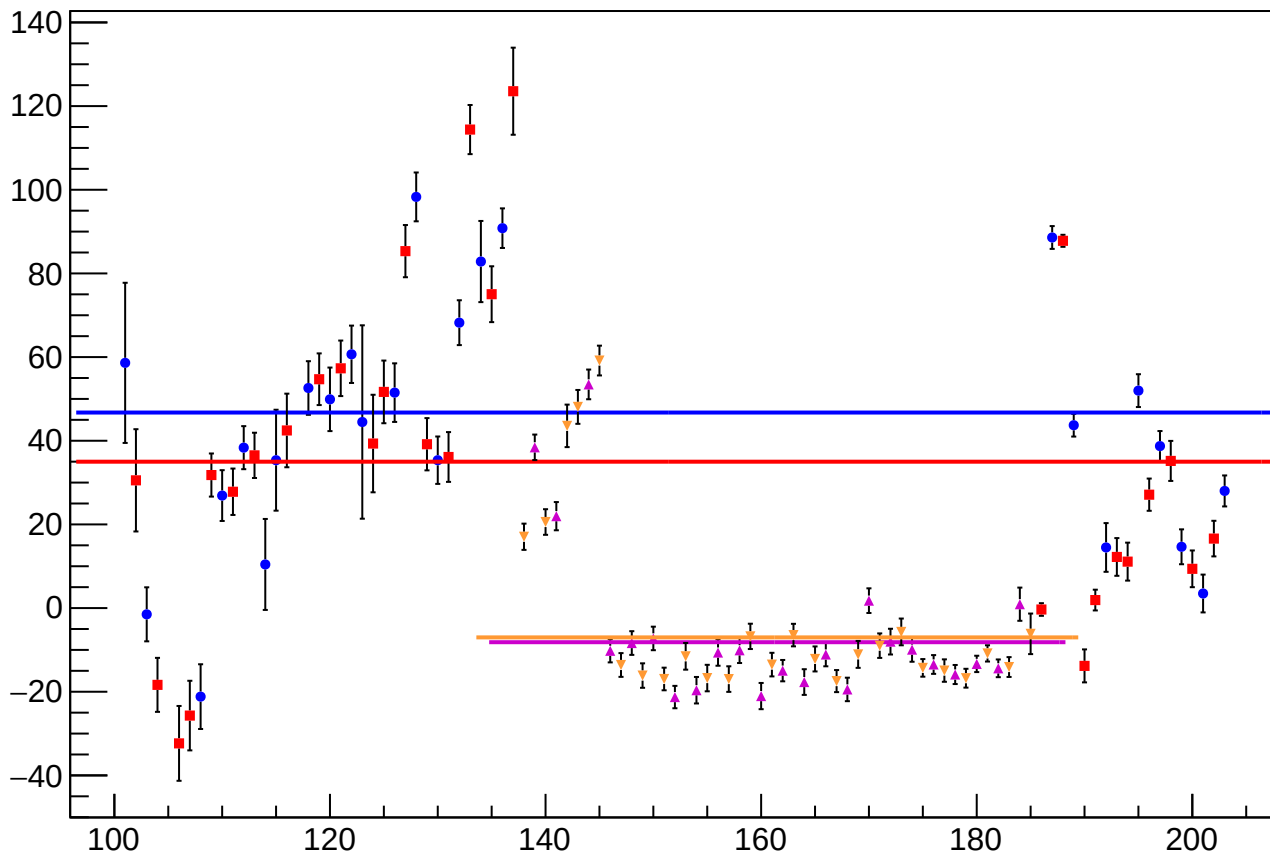
Right: 15.625 $\pm$ 0.525 χ^2 /NDF: 560.8/52

In: 11.197 $\pm$ 0.399 χ^2 /NDF:442.6/47

Out: 10.983 $\pm$ 0.376 χ^2 /NDF:479.5/52

All: 11.083 $\pm$ 0.274 χ^2 /NDF: 922.3/100

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 46.745 $\pm$ 1.010 χ^2 /NDF: 813.6/24

Left Out: -7.007 $\pm$ 0.572 χ^2 /NDF: 899.2/24

Right Out: 34.994 $\pm$ 0.734 χ^2 /NDF: 2905.1/27

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

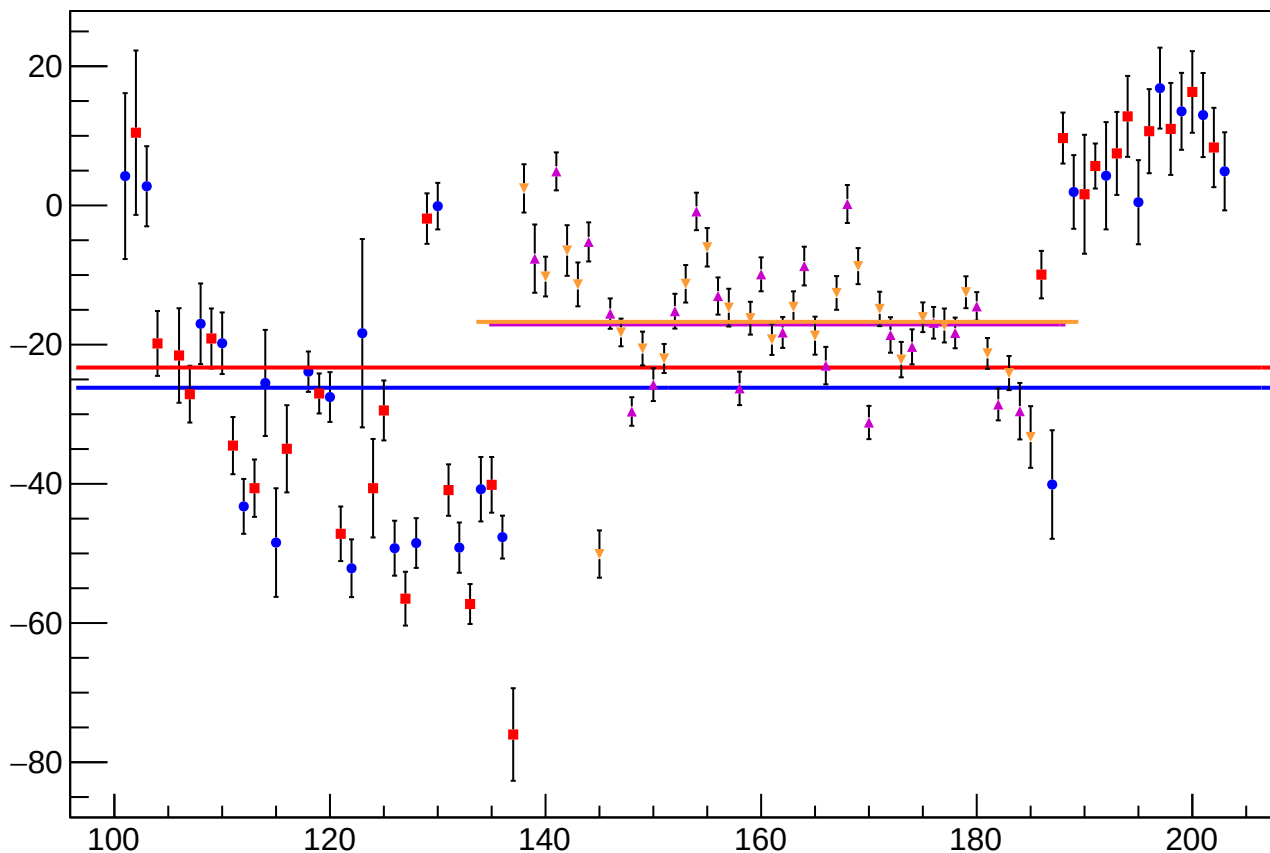
Right: 39.058 $\pm$ 0.594 χ^2 /NDF: 3807.4/52

In: 5.380 $\pm$ 0.501 χ^2 /NDF: 3794.9/47

Out: 8.856 $\pm$ 0.451 χ^2 /NDF: 5841.4/52

All: 7.301 $\pm$ 0.335 χ^2 /NDF: 9662.8/100

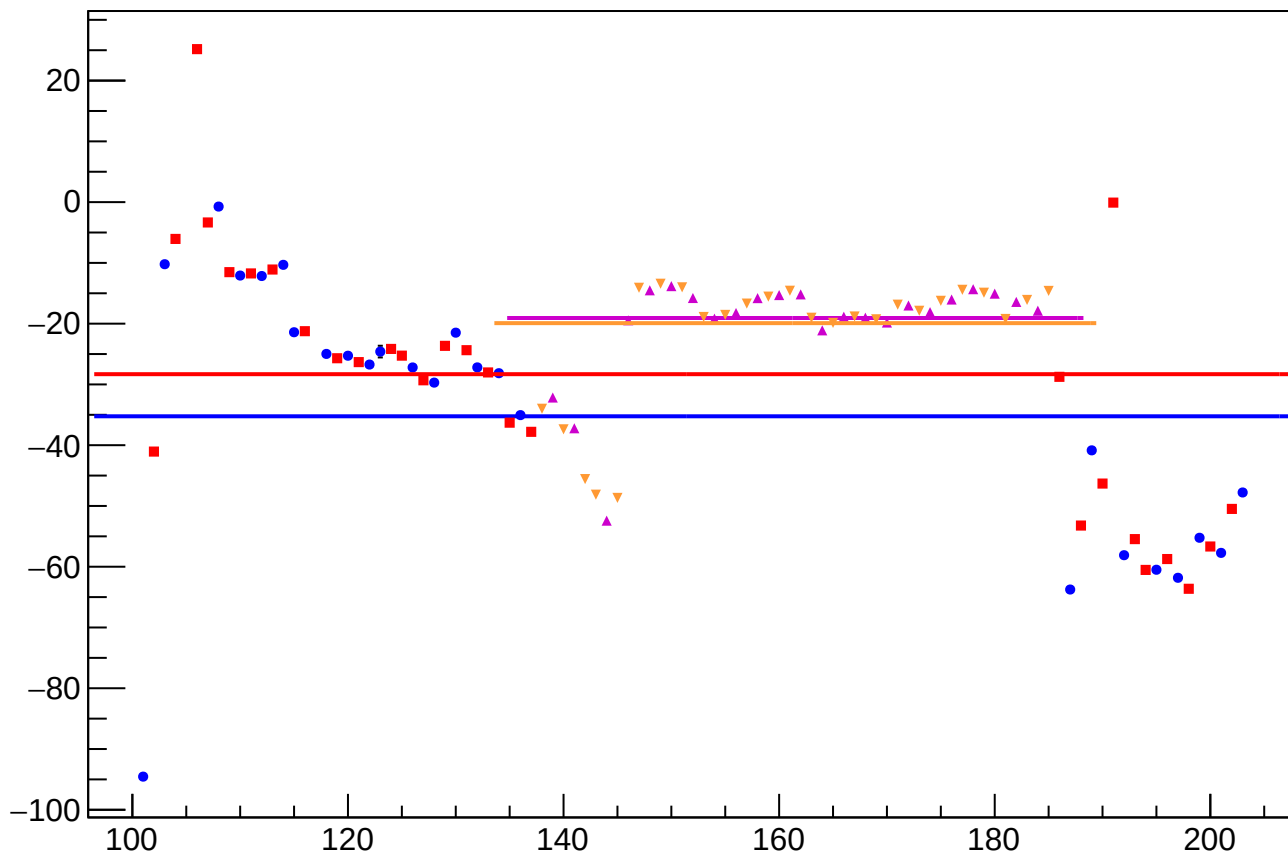
reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.193 ± 0.931 χ^2/NDF : 582.0/24
 Left Out: -16.727 ± 0.508 χ^2/NDF : 223.3/24
 Right Out: -23.290 ± 0.830 χ^2/NDF : 822.9/27
 Left In: -17.100 ± 0.520 χ^2/NDF : 328.1/22

Left: -16.909 ± 0.363 χ^2/NDF : 551.7/47
 Right: -24.576 ± 0.619 χ^2/NDF : 1410.4/52
 In: -19.267 ± 0.454 χ^2/NDF : 982.8/47
 Out: -18.515 ± 0.433 χ^2/NDF : 1091.8/52
 All: -18.873 ± 0.313 χ^2/NDF : 2076.0/100

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -35.245 ± 0.045 $\chi^2/\text{NDF}: 193132.7/24$

Left Out: -19.915 ± 0.023 $\chi^2/\text{NDF}: 141090.6/24$

Right Out: -28.314 ± 0.038 $\chi^2/\text{NDF}: 397360.2/27$

Left In: -19.068 ± 0.024 $\chi^2/\text{NDF}: 92702.3/22$

Left: -19.496 ± 0.017 $\chi^2/\text{NDF}: 234444.5/47$

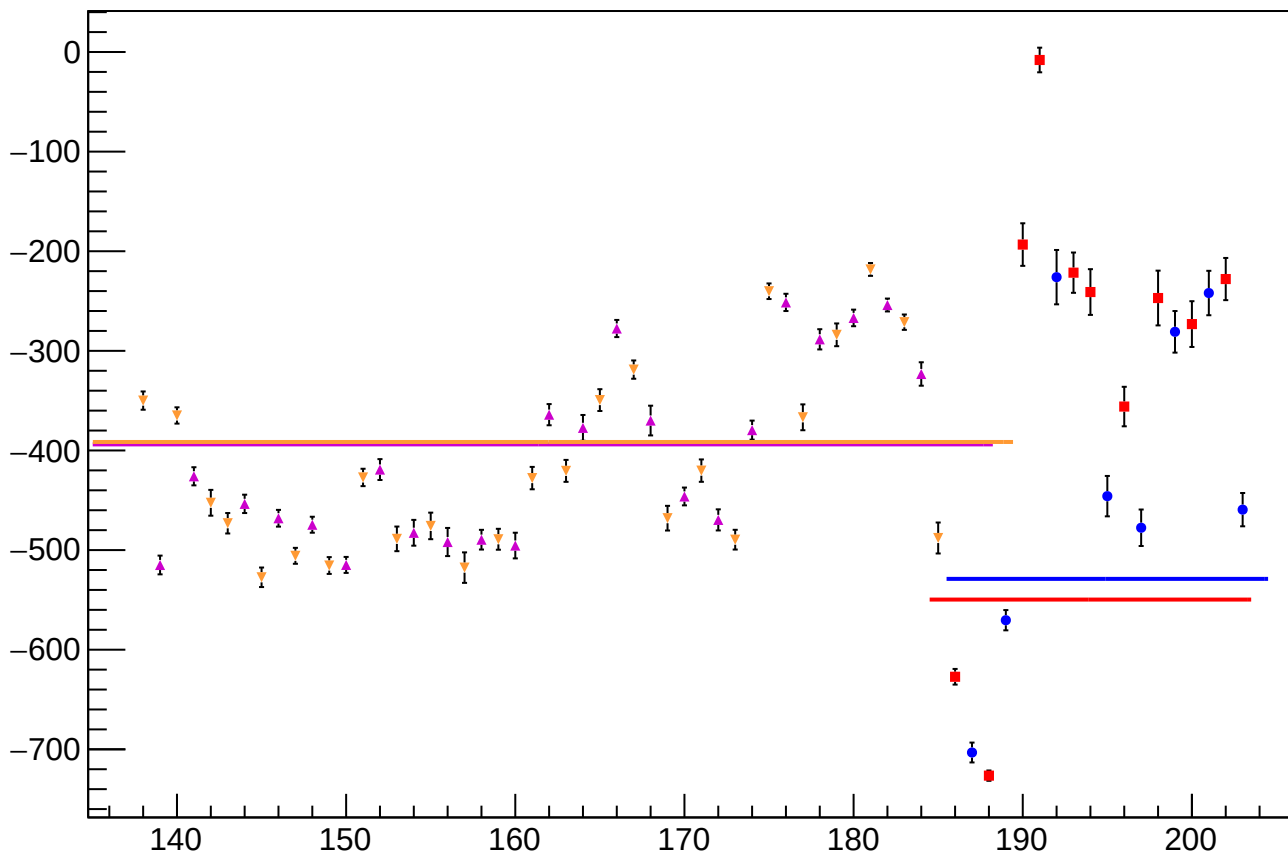
Right: -31.196 ± 0.029 $\chi^2/\text{NDF}: 604206.2/52$

In: -22.523 ± 0.021 $\chi^2/\text{NDF}: 386416.7/47$

Out: -22.200 ± 0.020 $\chi^2/\text{NDF}: 573692.6/52$

All: -22.354 ± 0.014 $\chi^2/\text{NDF}: 960234.6/100$

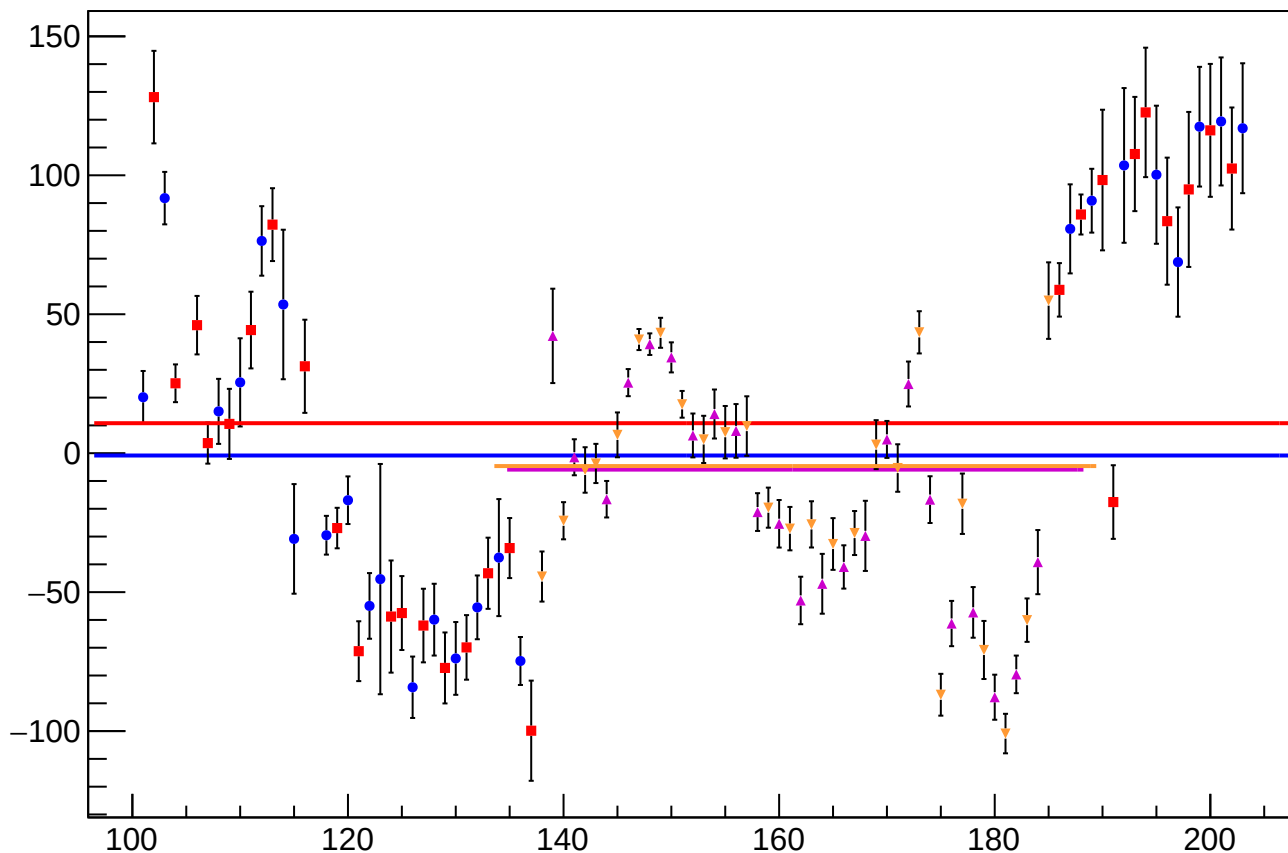
reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -528.903+/-5.393 χ^2/NDF : 794.5/7
 Left Out: -391.476+/-1.973 χ^2/NDF : 2708.6/24
 Right Out: -549.677+/-3.663 χ^2/NDF : 4495.2/9
 Left In: -393.904+/-1.998 χ^2/NDF : 2280.8/22

Left: -392.674+/-1.404 χ^2/NDF : 4990.1/47
 Right: -543.119+/-3.030 χ^2/NDF : 5299.9/17
 In: -410.195+/-1.873 χ^2/NDF : 3626.3/30
 Out: -427.040+/-1.737 χ^2/NDF : 8649.9/34
 All: -419.254+/-1.274 χ^2/NDF : 12319.7/65

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.834 ± 2.564 $\chi^2/\text{NDF}: 616.5/24$

Left Out: -4.635 ± 1.467 $\chi^2/\text{NDF}: 771.4/24$

Right Out: 10.793 ± 2.267 $\chi^2/\text{NDF}: 676.7/27$

Left In: -5.906 ± 1.513 $\chi^2/\text{NDF}: 657.5/22$

Left: -5.251 ± 1.053 $\chi^2/\text{NDF}: 1429.3/47$

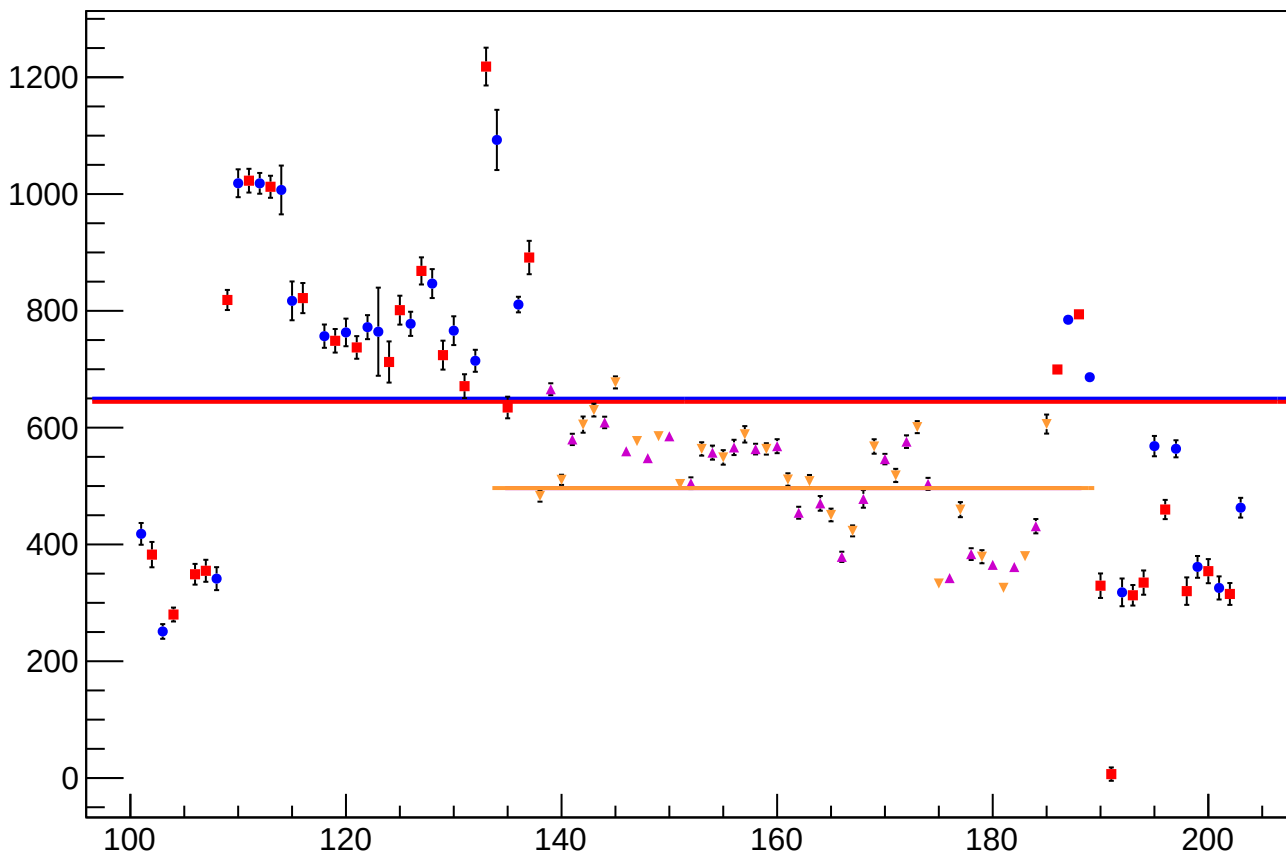
Right: 5.693 ± 1.698 $\chi^2/\text{NDF}: 1304.8/52$

In: -4.596 ± 1.303 $\chi^2/\text{NDF}: 1276.9/47$

Out: -0.079 ± 1.232 $\chi^2/\text{NDF}: 1480.8/52$

All: -2.210 ± 0.895 $\chi^2/\text{NDF}: 2764.1/100$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 649.614+/-3.391 χ^2/NDF : 3784.4/24

Left Out: 496.535+/-1.971 χ^2/NDF :2589.1/24

Right Out: 644.256+/-2.554 χ^2/NDF : 9160.8/27

Left In: 496.393+/-1.985 χ^2/NDF :2295.8/22

Left: 496.465+/-1.399 χ^2/NDF : 4884.9/47

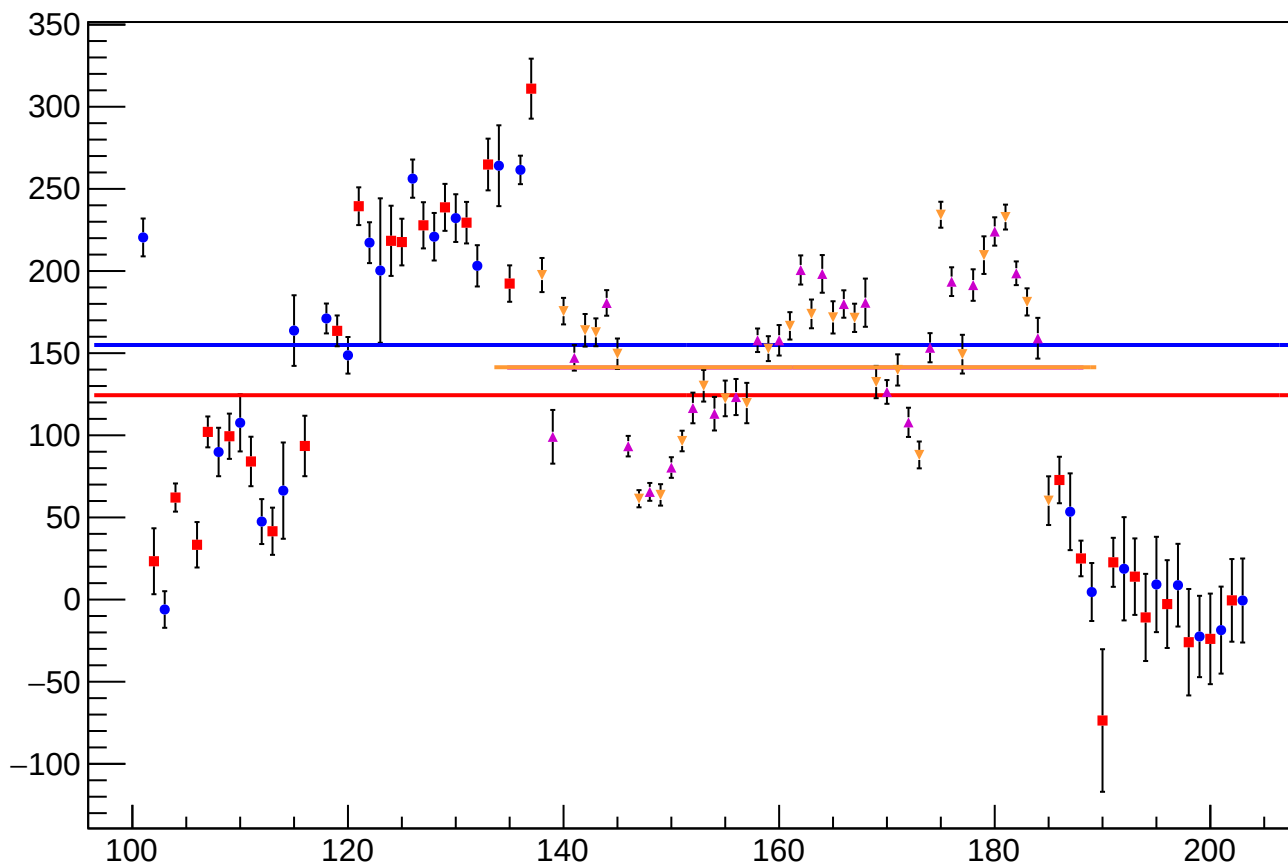
Right: 646.195+/-2.040 χ^2/NDF : 12946.8/52

In: 535.502+/-1.713 χ^2/NDF :7600.3/47

Out: 551.671+/-1.560 χ^2/NDF :13846.1/52

All: 544.340+/-1.154 χ^2/NDF : 21495.1/100

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 154.974 $\pm$ 3.003 χ^2 /NDF: 979.5/24

Left Out: 141.430 $\pm$ 1.704 χ^2 /NDF:957.7/24

Right Out: 124.408 $\pm$ 2.726 χ^2 /NDF: 1073.3/27

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

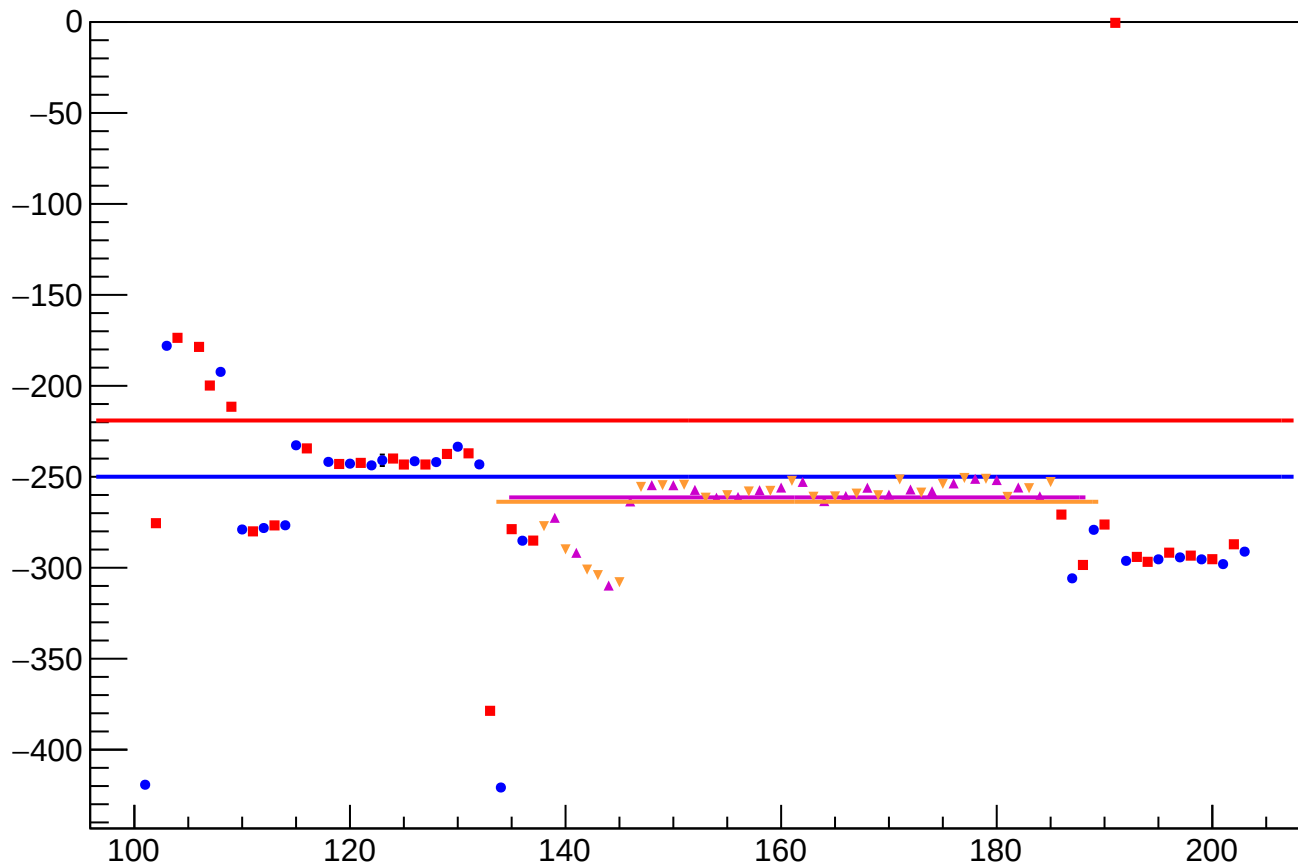
Right: 138.215 $\pm$ 2.018 χ^2 /NDF: 2109.5/52

In: 144.709 $\pm$ 1.508 χ^2 /NDF:1739.3/47

Out: 136.646 $\pm$ 1.445 χ^2 /NDF:2059.0/52

All: 140.506 $\pm$ 1.043 χ^2 /NDF: 3813.2/100

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -249.963+/-0.142 χ^2/NDF : 192941.4/24

Left Out: -263.734+/-0.081 χ^2/NDF : 37922.0/24

Right Out: -219.050+/-0.125 χ^2/NDF : 459517.5/27

Left In: -261.325+/-0.082 χ^2/NDF : 23449.2/22

Left: -262.533+/-0.058 χ^2/NDF : 61807.4/47

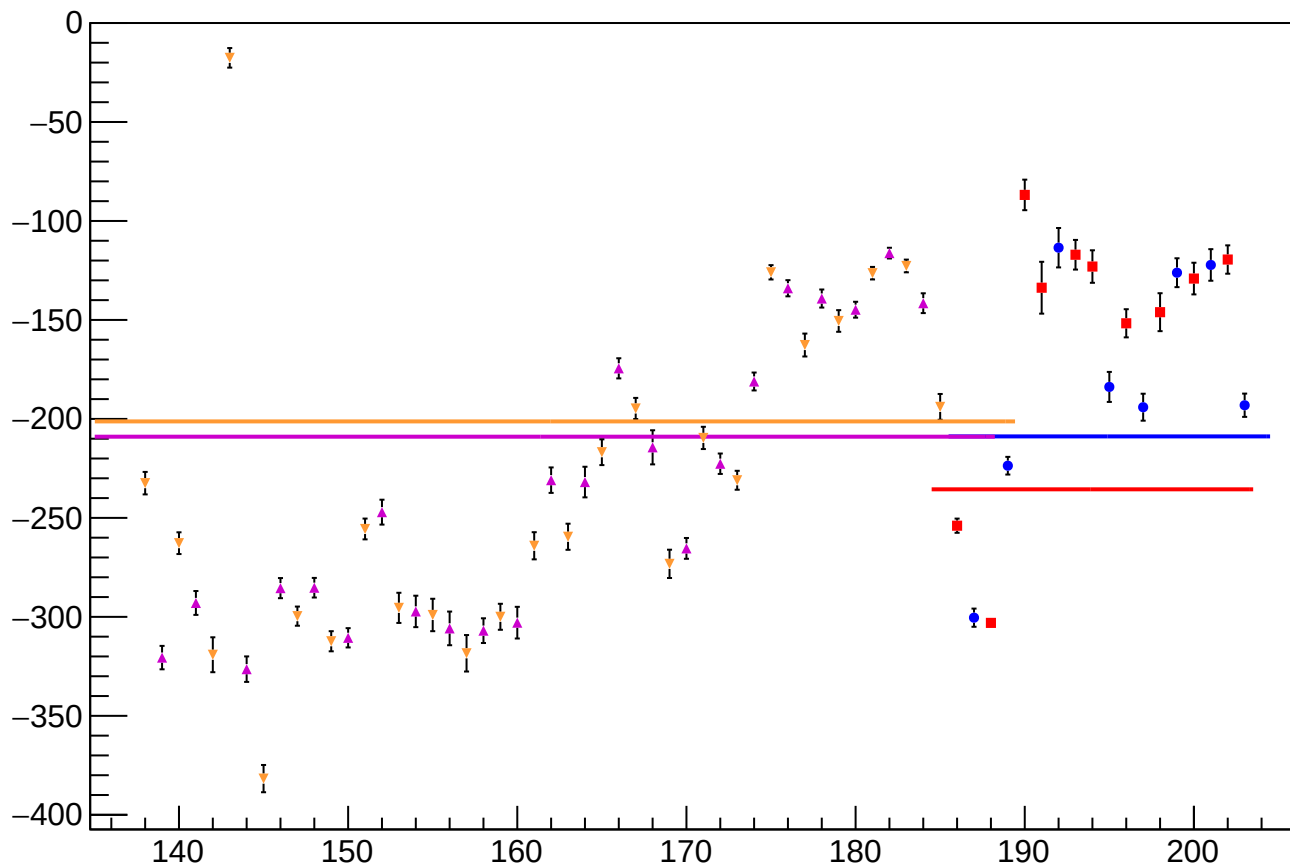
Right: -232.599+/-0.094 χ^2/NDF : 679079.6/52

In: -258.502+/-0.071 χ^2/NDF : 221202.2/47

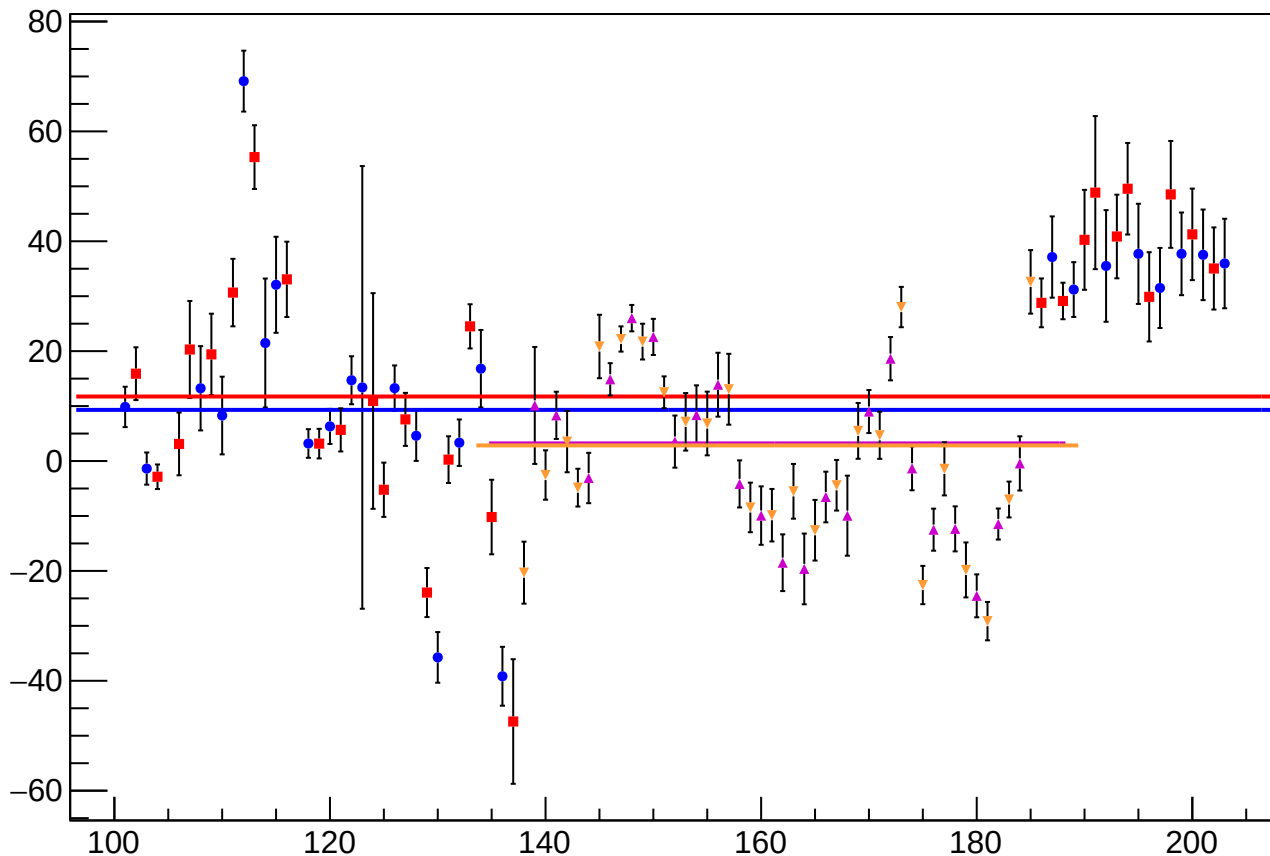
Out: -250.477+/-0.068 χ^2/NDF : 586690.9/52

All: -254.348+/-0.049 χ^2/NDF : 814547.3/100

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.310 ± 1.005 $\chi^2/\text{NDF}: 424.1/24$

Left Out: 2.841 ± 0.824 $\chi^2/\text{NDF}: 420.6/24$

Right Out: 11.742 ± 0.946 $\chi^2/\text{NDF}: 403.1/27$

Left In: 3.208 ± 0.854 $\chi^2/\text{NDF}: 323.8/22$

Left: 3.018 ± 0.593 $\chi^2/\text{NDF}: 744.6/47$

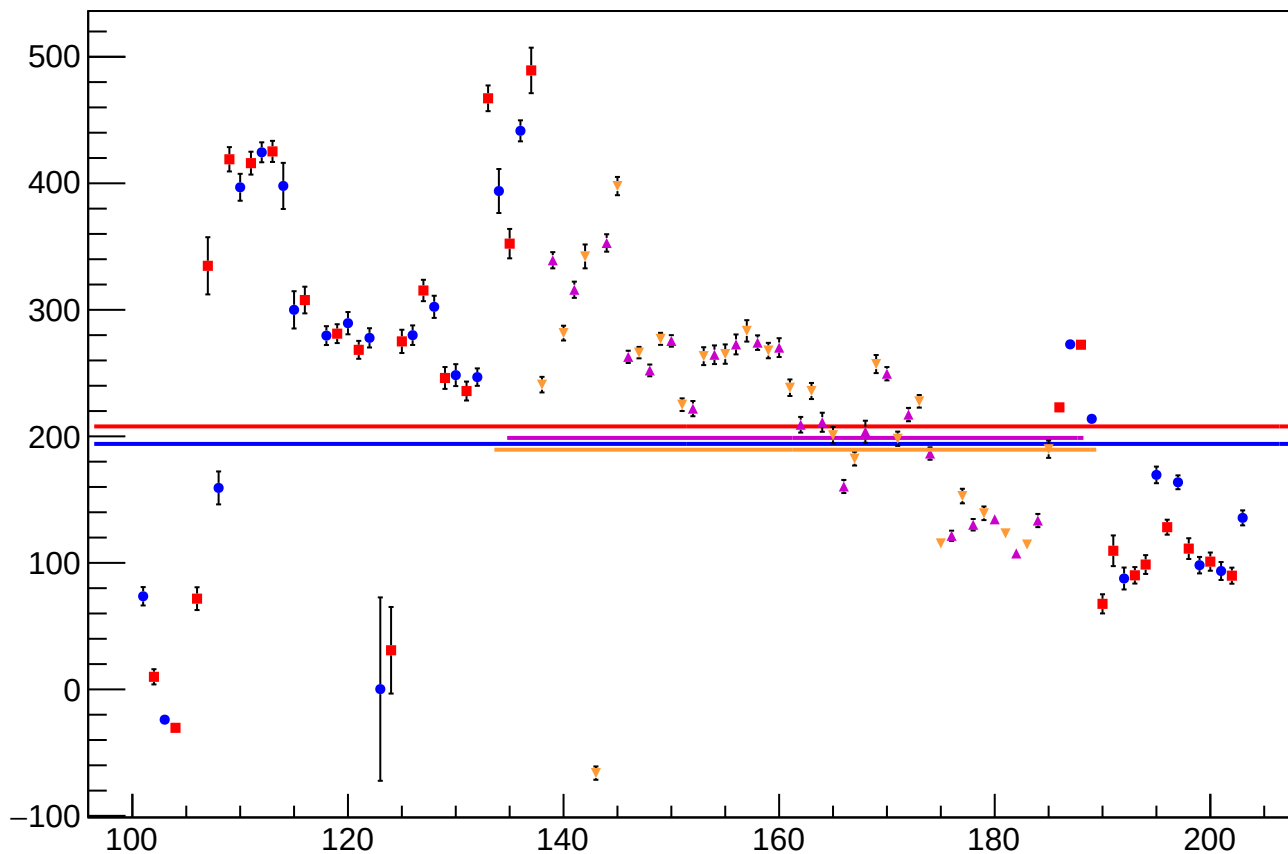
Right: 10.599 ± 0.689 $\chi^2/\text{NDF}: 830.3/52$

In: 5.767 ± 0.651 $\chi^2/\text{NDF}: 769.3/47$

Out: 6.680 ± 0.621 $\chi^2/\text{NDF}: 874.1/52$

All: 6.245 ± 0.449 $\chi^2/\text{NDF}: 1644.4/100$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 194.032 $\pm$ 1.362 χ^2 /NDF: 7941.9/24

Left Out: 189.453 $\pm$ 1.070 χ^2 /NDF:6649.7/24

Right Out: 207.852 $\pm$ 1.106 χ^2 /NDF: 11222.0/27

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

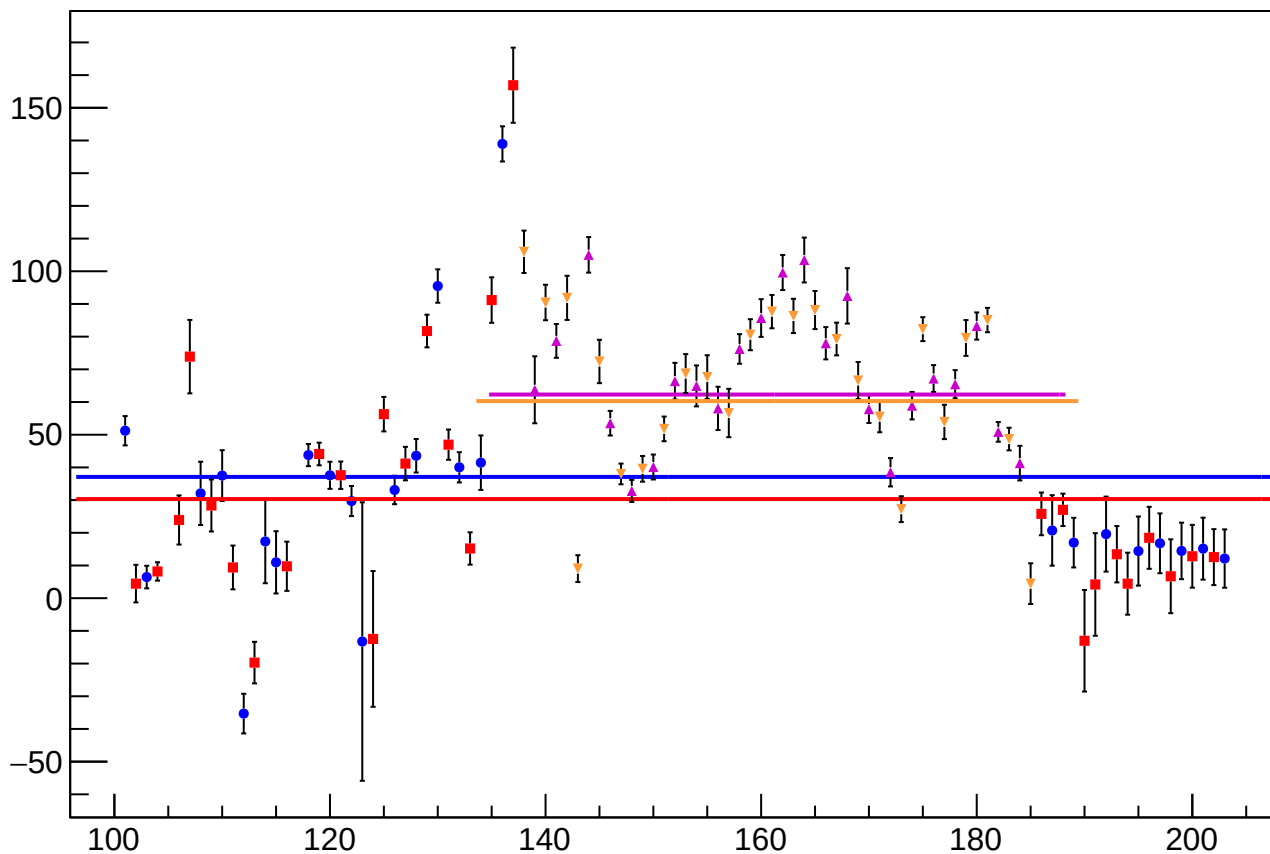
Right: 202.359 $\pm$ 0.859 χ^2 /NDF: 19226.0/52

In: 196.940 $\pm$ 0.845 χ^2 /NDF:12539.3/47

Out: 198.345 $\pm$ 0.769 χ^2 /NDF:18014.7/52

All: 197.709 $\pm$ 0.569 χ^2 /NDF: 30555.5/100

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 37.096 $\pm$ 1.183 χ^2/NDF : 782.2/24

Left Out: 60.287 $\pm$ 0.945 χ^2/NDF :714.8/24

Right Out: 30.319 $\pm$ 1.135 χ^2/NDF : 591.6/27

Left In: 62.290 $\pm$ 0.971 χ^2/NDF :411.6/22

Left: 61.261 $\pm$ 0.677 χ^2/NDF : 1128.6/47

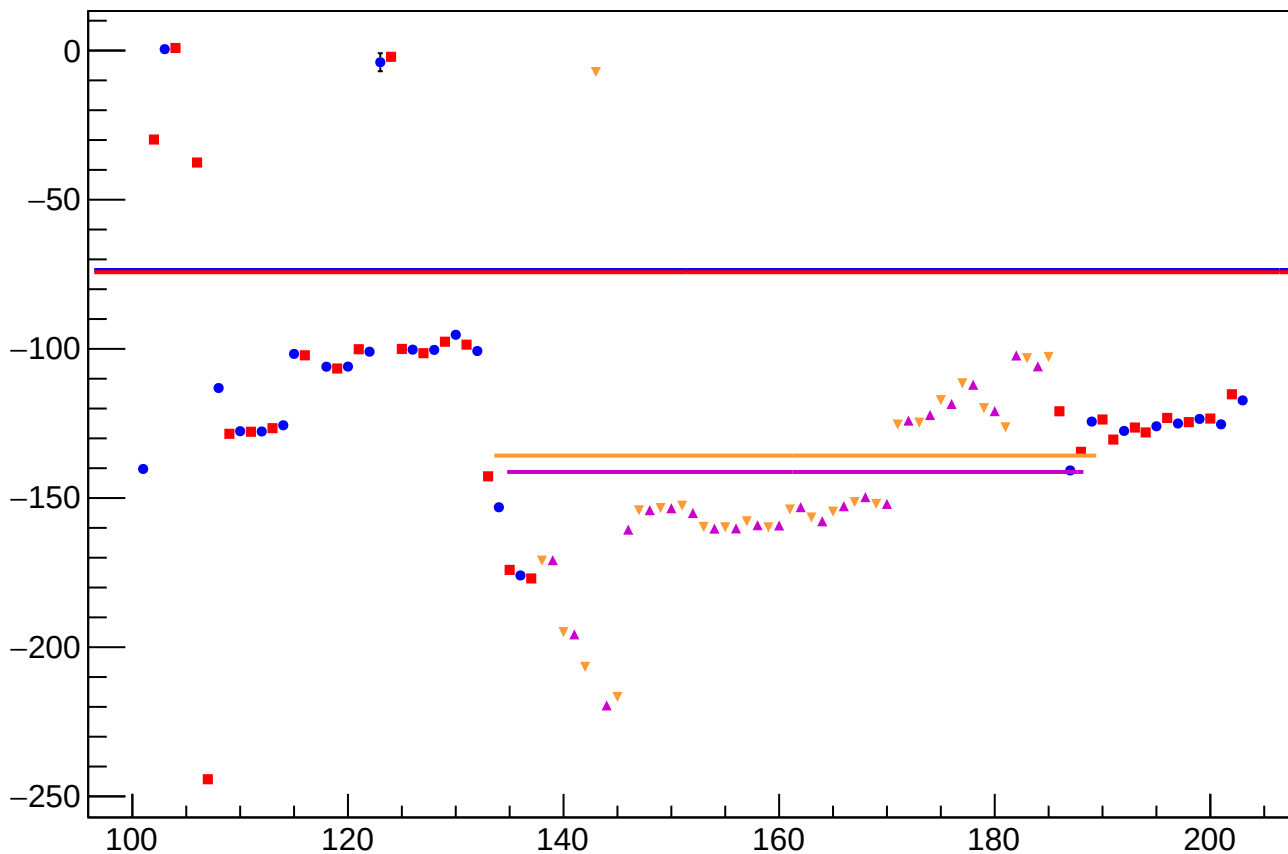
Right: 33.567 $\pm$ 0.819 χ^2/NDF : 1390.8/52

In: 52.151 $\pm$ 0.751 χ^2/NDF :1464.6/47

Out: 48.020 $\pm$ 0.726 χ^2/NDF :1718.0/52

All: 50.017 $\pm$ 0.522 χ^2/NDF : 3198.3/100

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -73.568 $\pm$ 0.054 χ^2 /NDF: 1377019.6/24

Left Out: -135.775 $\pm$ 0.045 χ^2 /NDF: 742021.1/24

Right Out: -74.303 $\pm$ 0.051 χ^2 /NDF: 1381658.2/27

Left In: -141.259 $\pm$ 0.045 χ^2 /NDF: 350045.9/22

Left: -138.491 $\pm$ 0.032 χ^2 /NDF: 1099530.1/47

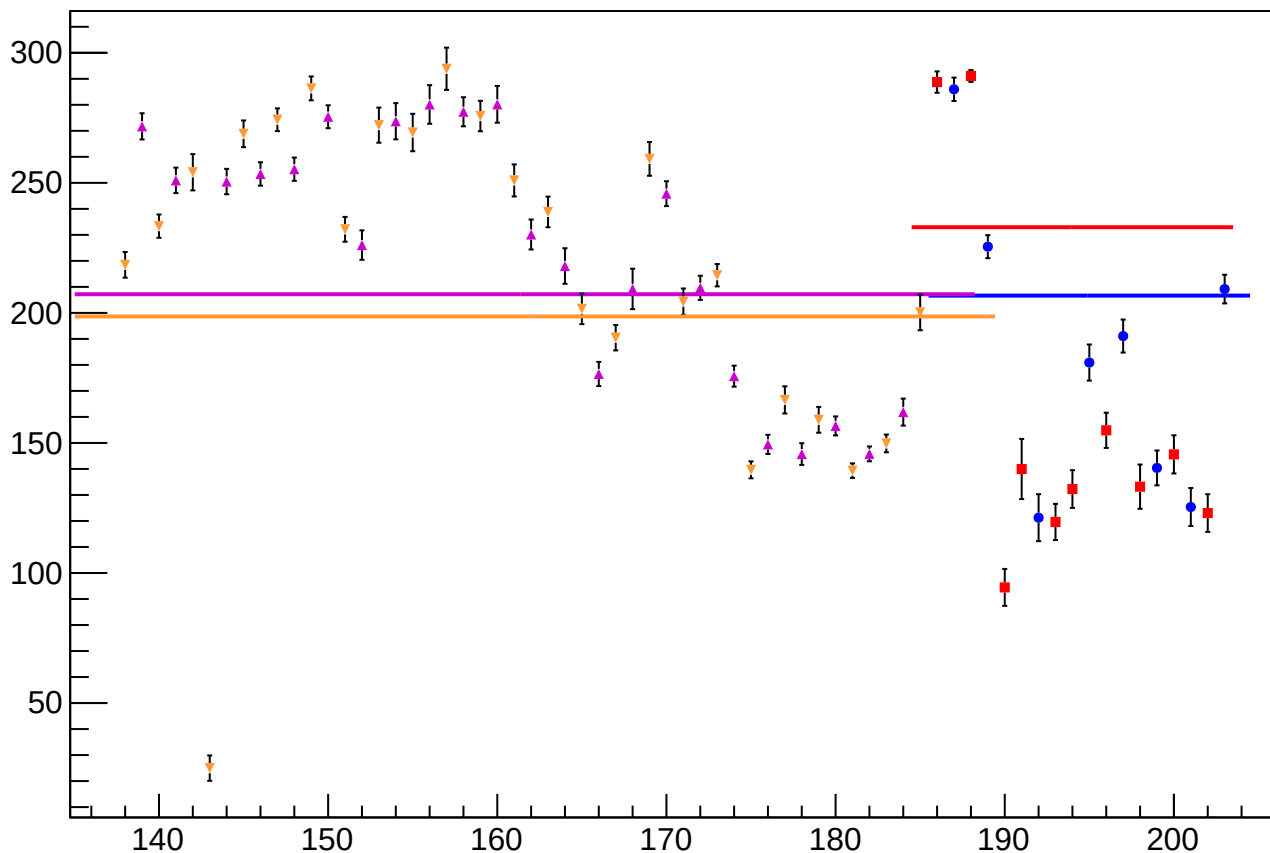
Right: -73.954 $\pm$ 0.037 χ^2 /NDF: 2758775.4/52

In: -113.417 $\pm$ 0.035 χ^2 /NDF: 2653379.1/47

Out: -109.211 $\pm$ 0.034 χ^2 /NDF: 2941969.6/52

All: -111.256 $\pm$ 0.024 χ^2 /NDF: 5602938.8/100

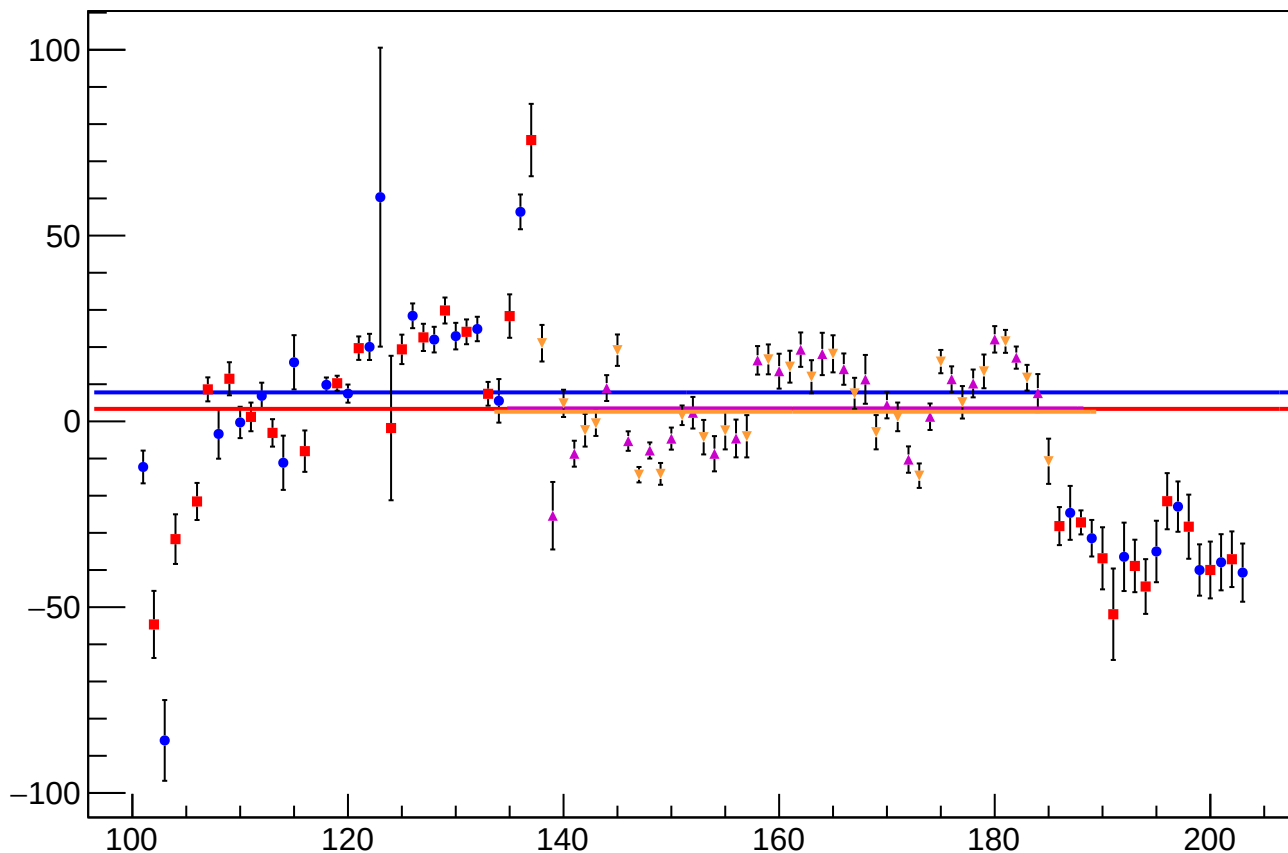
reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 206.651 ± 2.074 $\chi^2/\text{NDF}: 660.1/7$
 Left Out: 198.637 ± 0.966 $\chi^2/\text{NDF}: 4146.6/24$
 Right Out: 232.944 ± 1.597 $\chi^2/\text{NDF}: 2380.7/9$
 Left In: 207.171 ± 0.986 $\chi^2/\text{NDF}: 2631.6/22$

Left: 202.817 ± 0.690 $\chi^2/\text{NDF}: 6816.4/47$
 Right: 223.156 ± 1.265 $\chi^2/\text{NDF}: 3141.6/17$
 In: 207.075 ± 0.890 $\chi^2/\text{NDF}: 3291.7/30$
 Out: 207.827 ± 0.827 $\chi^2/\text{NDF}: 6865.0/34$
 All: 207.479 ± 0.606 $\chi^2/\text{NDF}: 10157.1/65$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.800 ± 0.862 χ^2/NDF : 609.6/24

Left Out: 2.595 ± 0.744 χ^2/NDF : 274.3/24

Right Out: 3.367 ± 0.831 χ^2/NDF : 695.0/27

Left In: 3.478 ± 0.772 χ^2/NDF : 194.7/22

Left: 3.020 ± 0.536 χ^2/NDF : 469.7/47

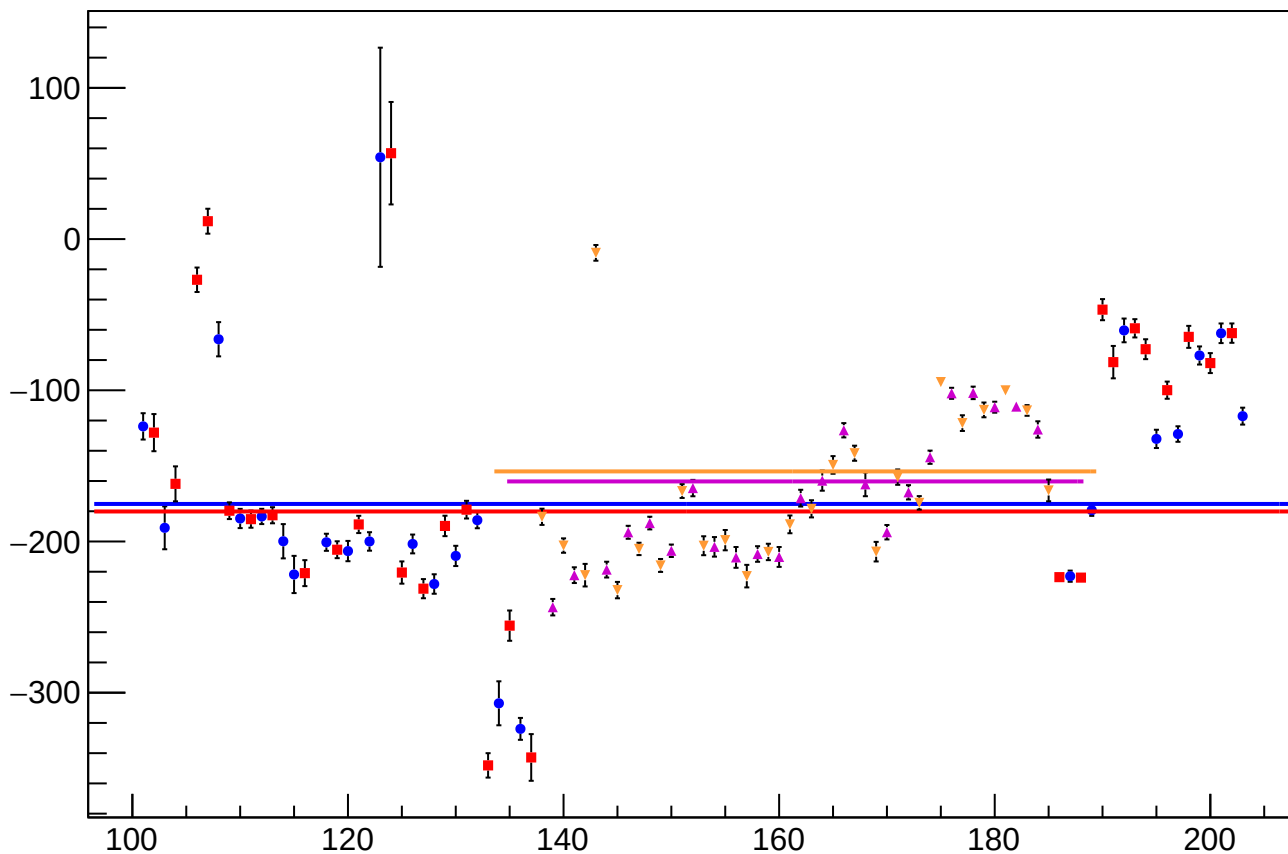
Right: 5.502 ± 0.598 χ^2/NDF : 1318.3/52

In: 5.402 ± 0.575 χ^2/NDF : 818.3/47

Out: 2.938 ± 0.554 χ^2/NDF : 969.8/52

All: 4.125 ± 0.399 χ^2/NDF : 1797.6/100

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -175.174 ± 1.265 χ^2/NDF : 2033.3/24

Left Out: -153.649 ± 0.970 χ^2/NDF : 2930.9/24

Right Out: -180.146 ± 1.048 χ^2/NDF : 4587.0/27

Left In: -160.279 ± 0.985 χ^2/NDF : 2049.4/22

Left: -156.913 ± 0.691 χ^2/NDF : 5003.3/47

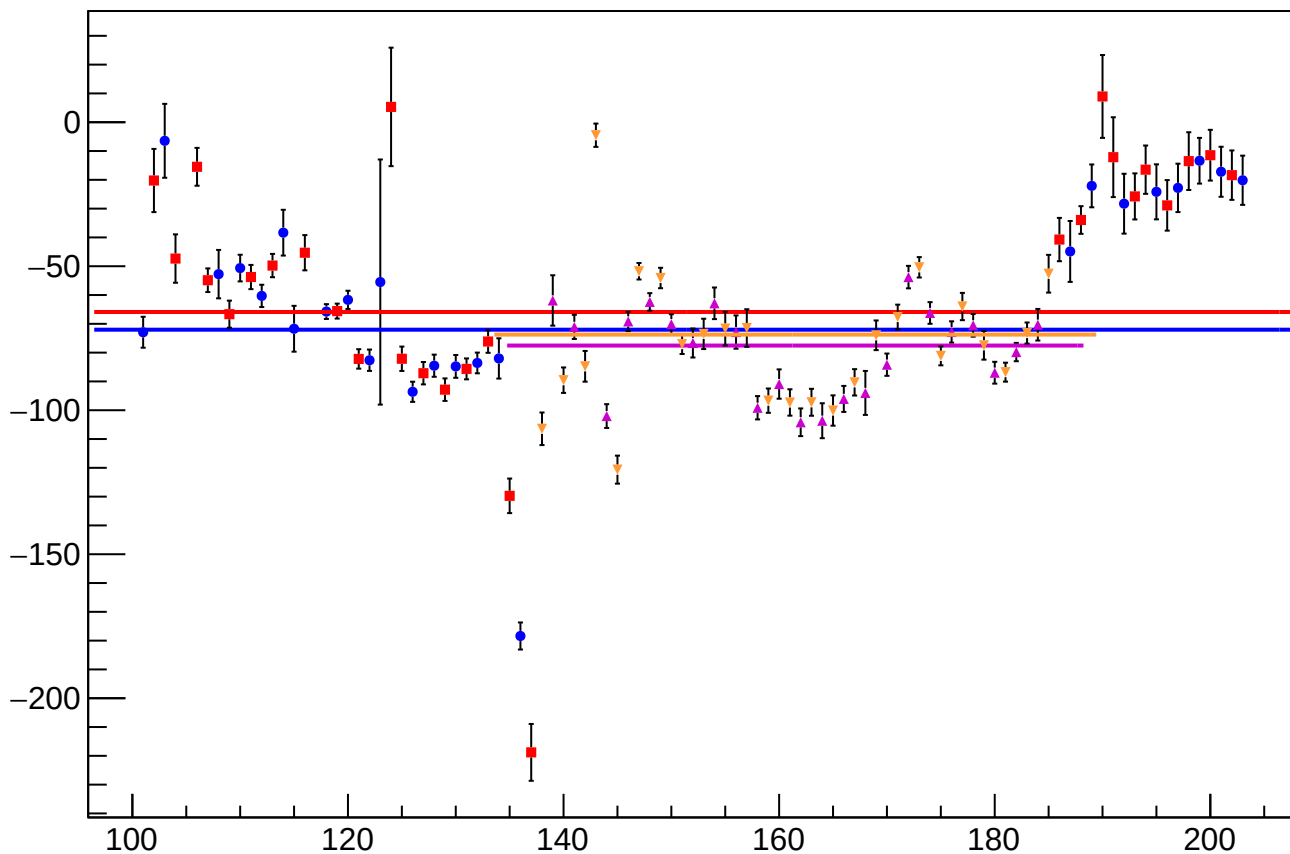
Right: -178.122 ± 0.807 χ^2/NDF : 6629.4/52

In: -165.901 ± 0.777 χ^2/NDF : 4169.0/47

Out: -165.872 ± 0.712 χ^2/NDF : 7862.1/52

All: -165.885 ± 0.525 χ^2/NDF : 12031.2/100

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -72.038 ± 1.008 $\chi^2/\text{NDF}: 948.5/24$

Left Out: -73.741 ± 0.855 $\chi^2/\text{NDF}: 728.3/24$

Right Out: -65.888 ± 0.976 $\chi^2/\text{NDF}: 912.5/27$

Left In: -77.545 ± 0.880 $\chi^2/\text{NDF}: 252.7/22$

Left: -75.587 ± 0.613 $\chi^2/\text{NDF}: 990.6/47$

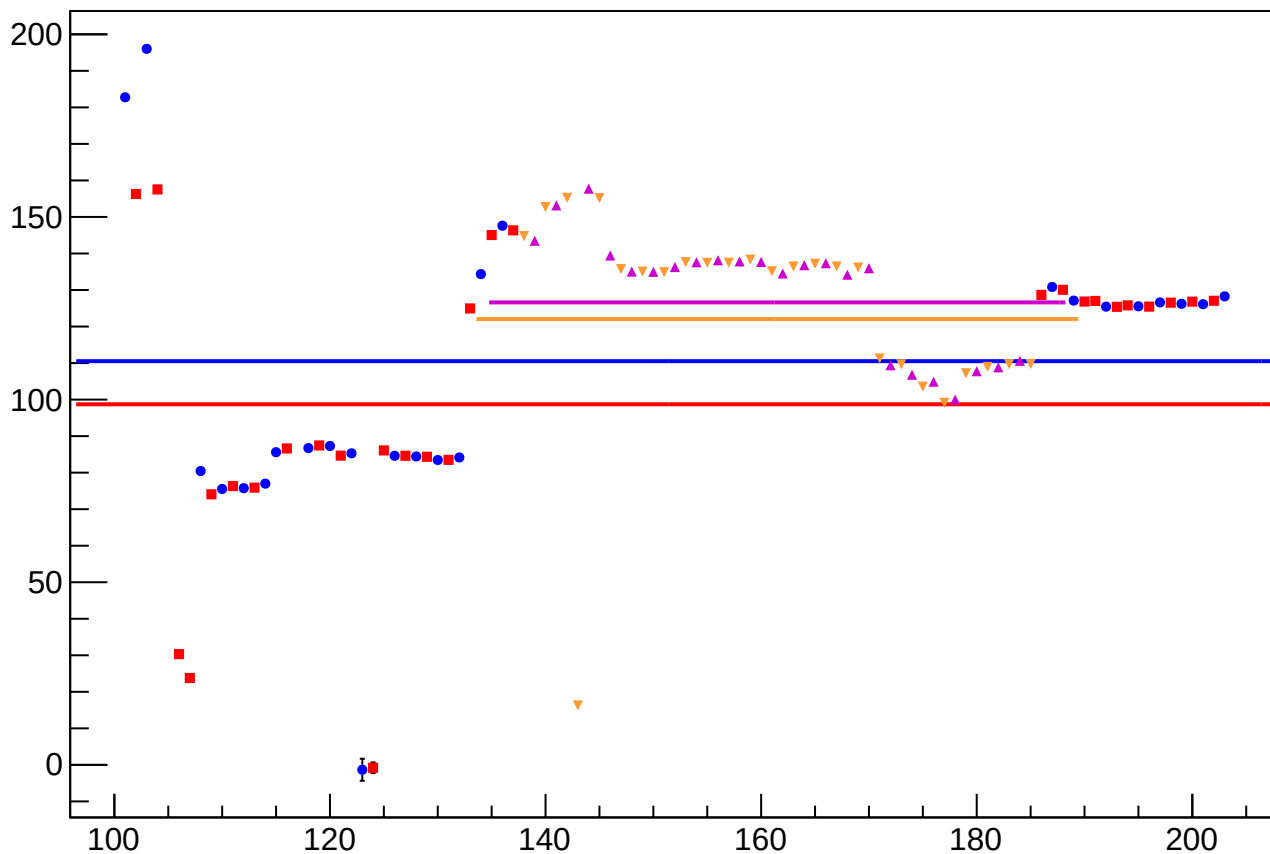
Right: -68.865 ± 0.701 $\chi^2/\text{NDF}: 1880.2/52$

In: -75.162 ± 0.663 $\chi^2/\text{NDF}: 1218.1/47$

Out: -70.334 ± 0.643 $\chi^2/\text{NDF}: 1677.4/52$

All: -72.675 ± 0.462 $\chi^2/\text{NDF}: 2922.9/100$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 110.523 ± 0.058 $\chi^2/\text{NDF}: 308332.8/24$

Left Out: 122.046 ± 0.040 $\chi^2/\text{NDF}: 437985.3/24$

Right Out: 98.719 ± 0.052 $\chi^2/\text{NDF}: 558323.7/27$

Left In: 126.605 ± 0.041 $\chi^2/\text{NDF}: 164757.9/22$

Left: 124.300 ± 0.029 $\chi^2/\text{NDF}: 609027.6/47$

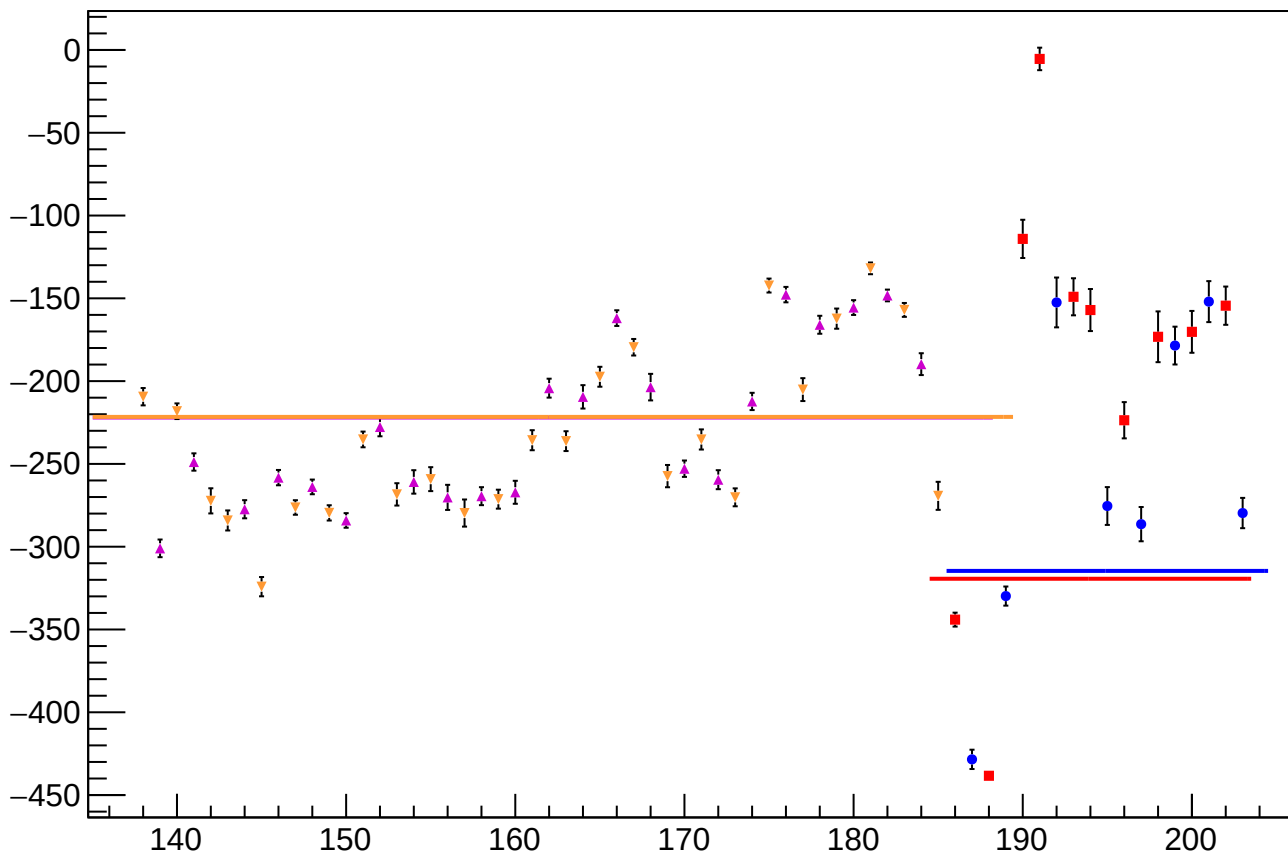
Right: 103.971 ± 0.039 $\chi^2/\text{NDF}: 889451.4/52$

In: 121.296 ± 0.033 $\chi^2/\text{NDF}: 524146.1/47$

Out: 113.289 ± 0.032 $\chi^2/\text{NDF}: 1121277.7/52$

All: 117.107 ± 0.023 $\chi^2/\text{NDF}: 1675371.7/100$

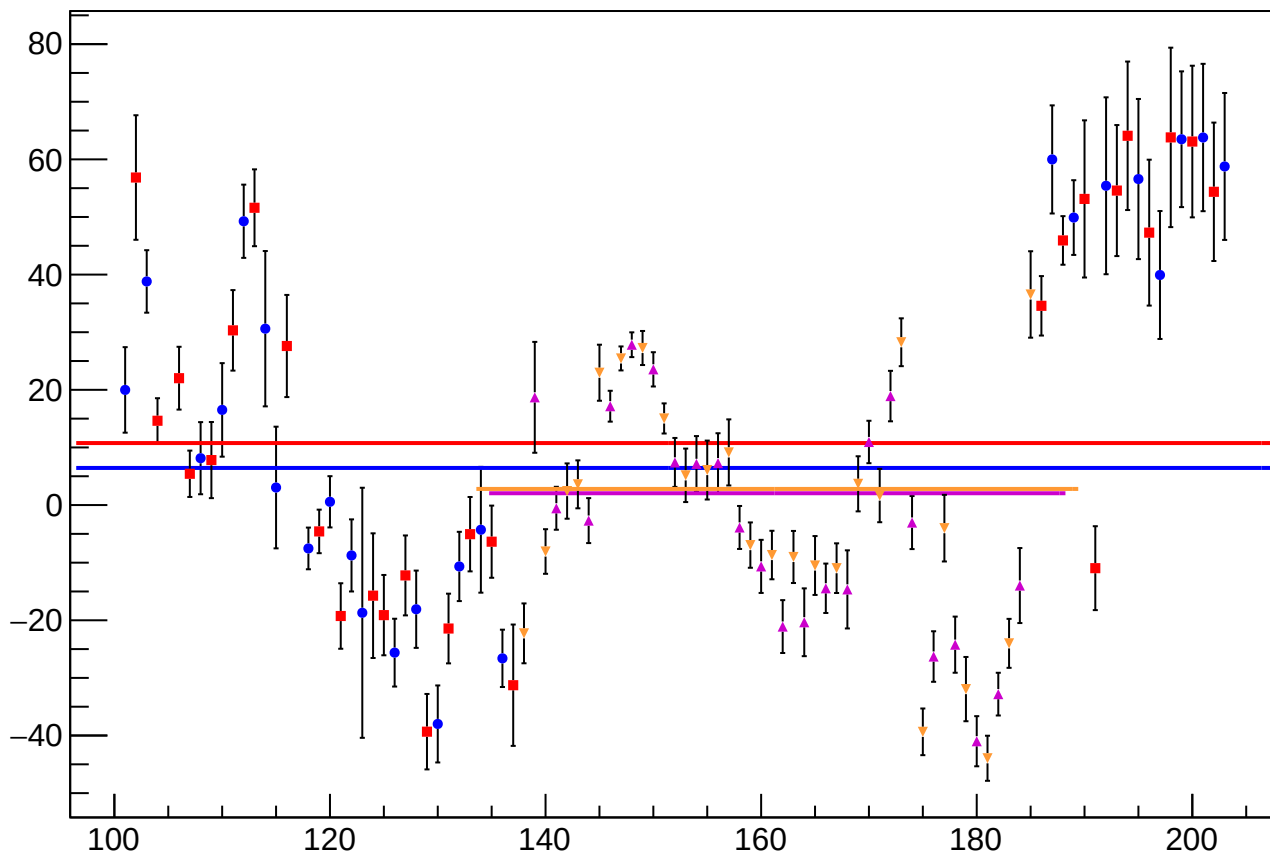
reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -314.615+/-3.057 χ^2/NDF : 852.4/7
 Left Out: -221.606+/-1.087 χ^2/NDF :2565.8/24
 Right Out: -319.361+/-2.064 χ^2/NDF : 4924.1/9
 Left In: -221.980+/-1.098 χ^2/NDF :2190.6/22

Left: -221.791+/-0.773 χ^2/NDF : 4756.5/47
 Right: -317.875+/-1.711 χ^2/NDF : 5778.2/17
 In: -232.567+/-1.033 χ^2/NDF :3856.3/30
 Out: -242.835+/-0.962 χ^2/NDF :9245.5/34
 All: -238.069+/-0.704 χ^2/NDF : 13154.7/65

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.442 $\pm$ 1.402 χ^2 /NDF: 423.8/24

Left Out: 2.800 $\pm$ 0.810 χ^2 /NDF:685.5/24

Right Out: 10.760 $\pm$ 1.228 χ^2 /NDF: 460.6/27

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

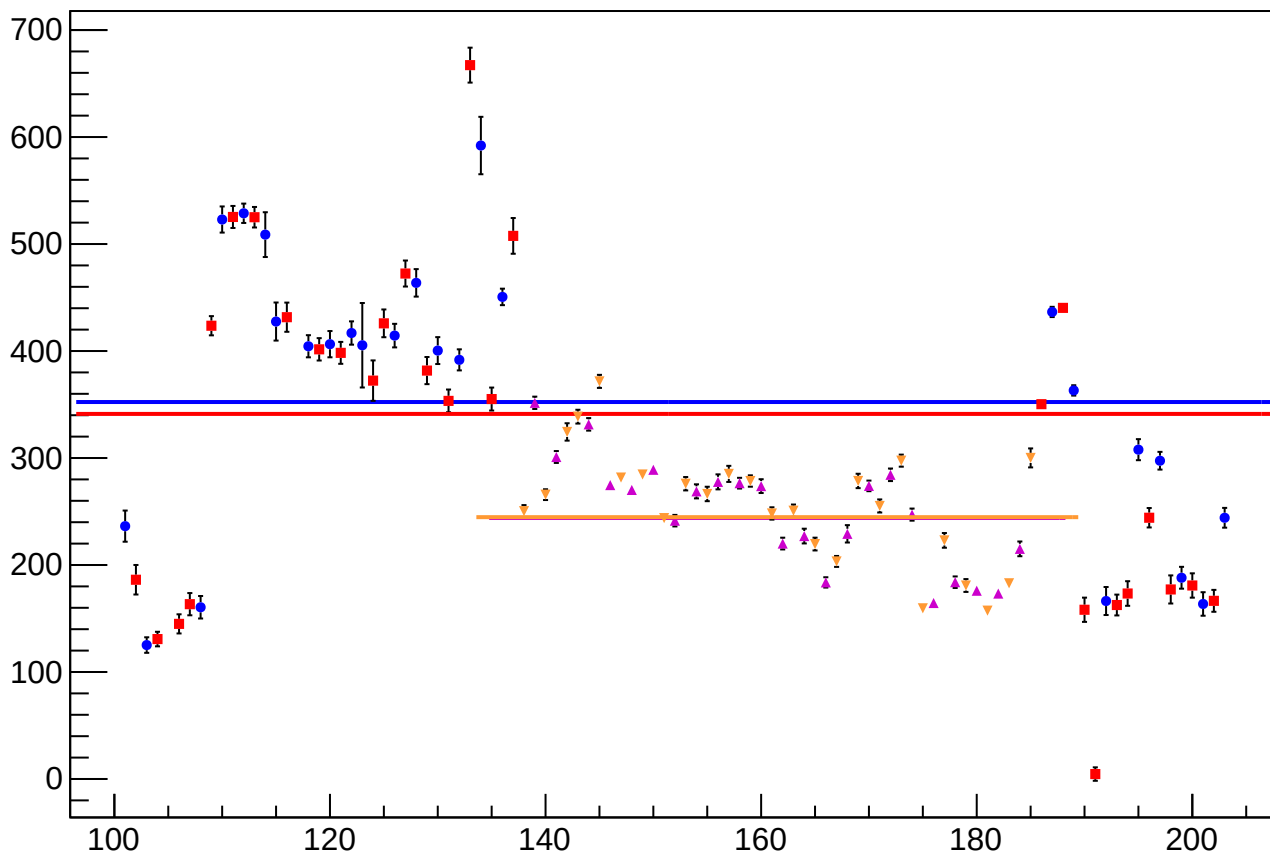
Right: 8.885 $\pm$ 0.924 χ^2 /NDF: 889.7/52

In: 3.196 $\pm$ 0.716 χ^2 /NDF:1023.6/47

Out: 5.211 $\pm$ 0.676 χ^2 /NDF:1175.4/52

All: 4.261 $\pm$ 0.492 χ^2 /NDF: 2203.2/100

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 352.332 $\pm$ 1.897 χ^2 /NDF: 3756.1/24

Left Out: 244.716 $\pm$ 1.085 χ^2 /NDF:2565.7/24

Right Out: 341.215 $\pm$ 1.421 χ^2 /NDF: 9497.6/27

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

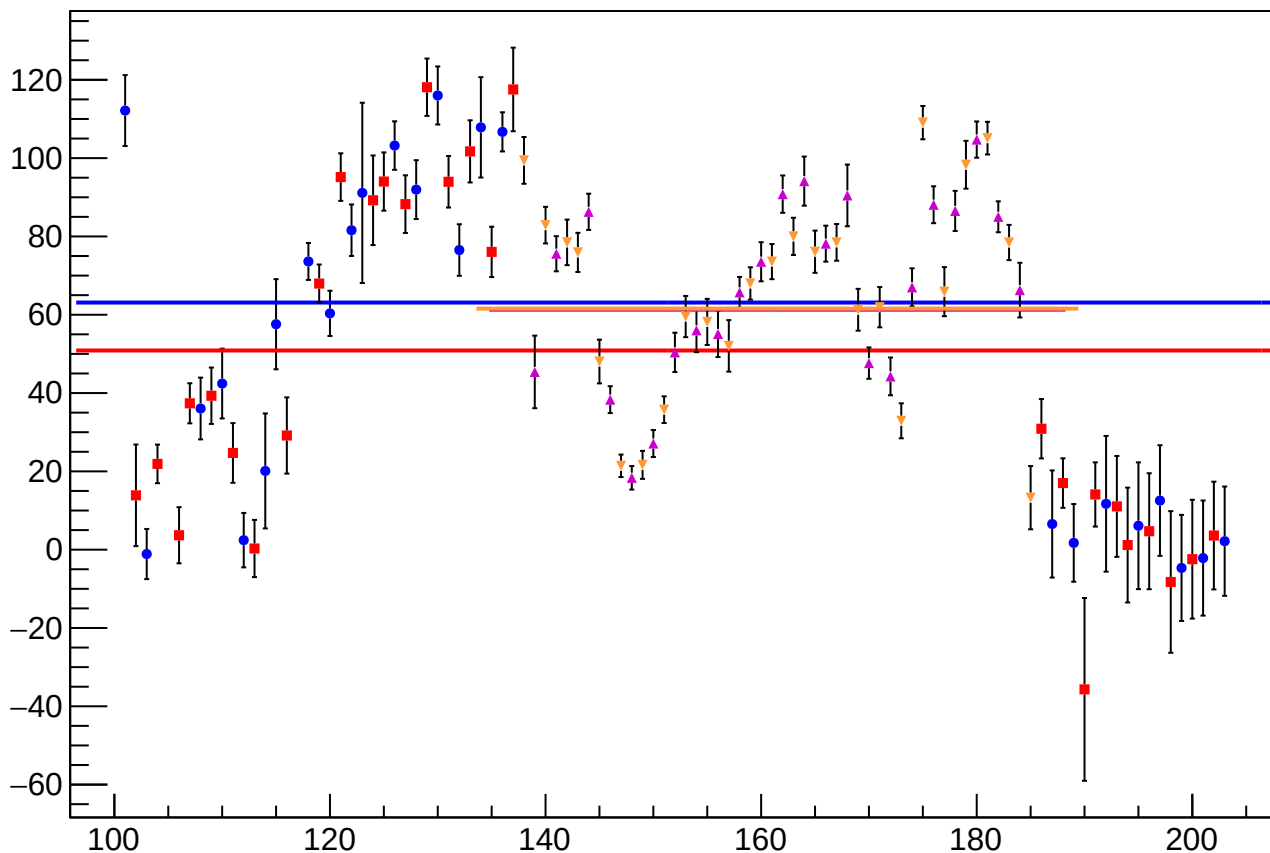
Right: 345.212 $\pm$ 1.137 χ^2 /NDF: 13275.7/52

In: 270.844 $\pm$ 0.945 χ^2 /NDF:8505.8/47

Out: 280.232 $\pm$ 0.862 χ^2 /NDF:14977.1/52

All: 275.968 $\pm$ 0.637 χ^2 /NDF: 23536.8/100

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 63.115 $\pm$ 1.639 χ^2 /NDF: 599.9/24

Left Out: 61.575 $\pm$ 0.939 χ^2 /NDF: 870.3/24

Right Out: 50.871 $\pm$ 1.472 χ^2 /NDF: 653.9/27

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

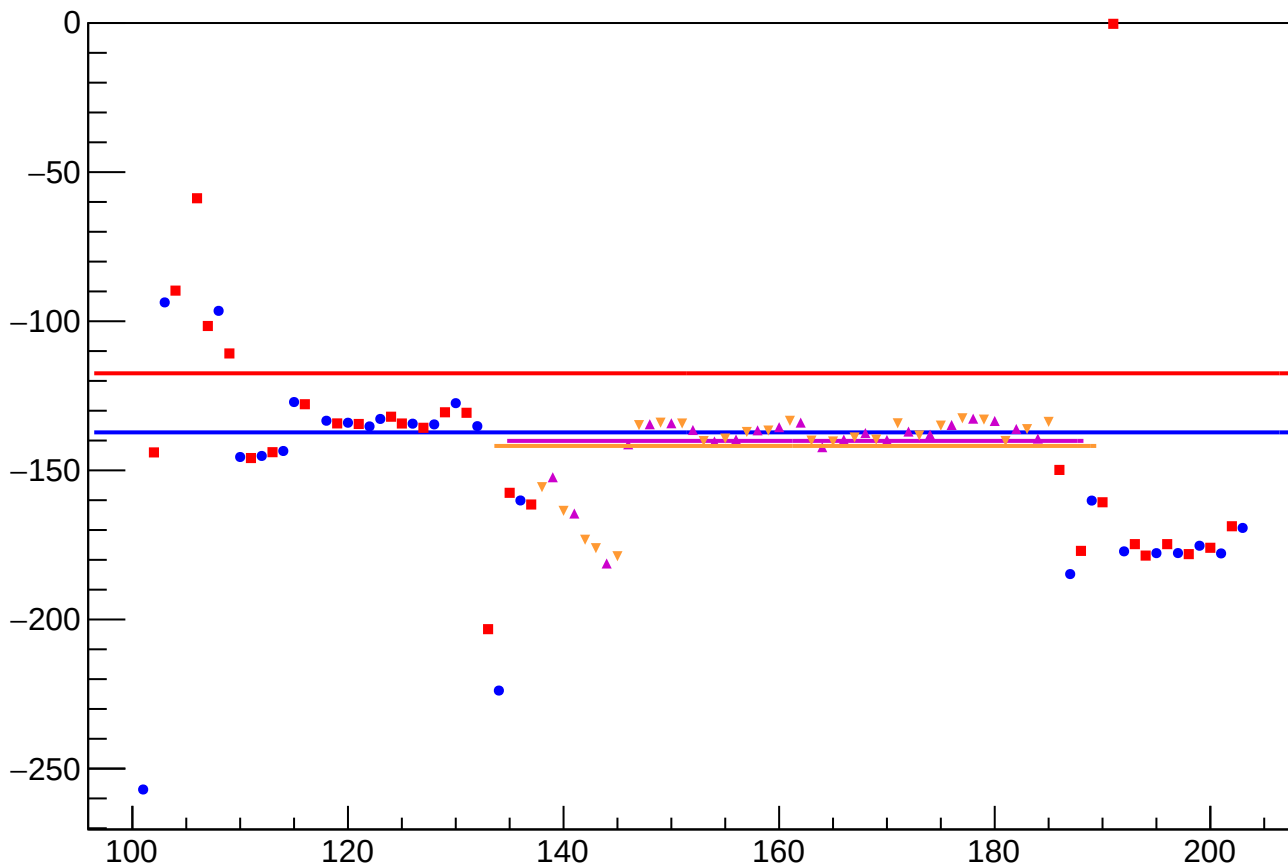
Right: 56.335 $\pm$ 1.095 χ^2 /NDF: 1284.7/52

In: 61.752 $\pm$ 0.828 χ^2 /NDF: 1303.7/47

Out: 58.479 $\pm$ 0.792 χ^2 /NDF: 1561.8/52

All: 60.043 $\pm$ 0.572 χ^2 /NDF: 2873.6/100

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -137.261 ± 0.079 $\chi^2/\text{NDF}: 228190.2/24$

Left Out: -141.811 ± 0.045 $\chi^2/\text{NDF}: 77727.6/24$

Right Out: -117.455 ± 0.069 $\chi^2/\text{NDF}: 575578.8/27$

Left In: -140.112 ± 0.045 $\chi^2/\text{NDF}: 48400.6/22$

Left: -140.962 ± 0.032 $\chi^2/\text{NDF}: 126846.5/47$

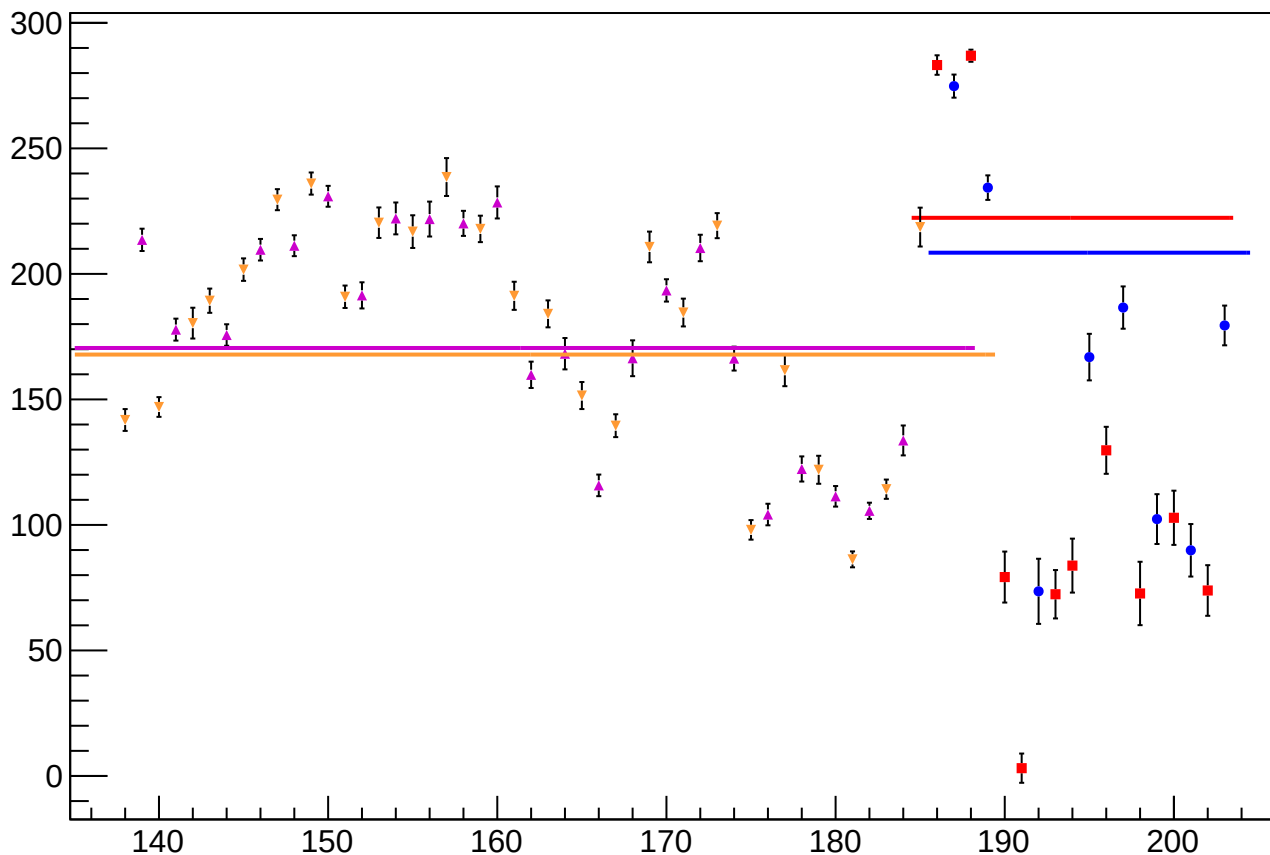
Right: -125.986 ± 0.052 $\chi^2/\text{NDF}: 839388.1/52$

In: -139.420 ± 0.039 $\chi^2/\text{NDF}: 277572.9/47$

Out: -134.568 ± 0.038 $\chi^2/\text{NDF}: 741172.7/52$

All: -136.902 ± 0.027 $\chi^2/\text{NDF}: 1026773.2/100$

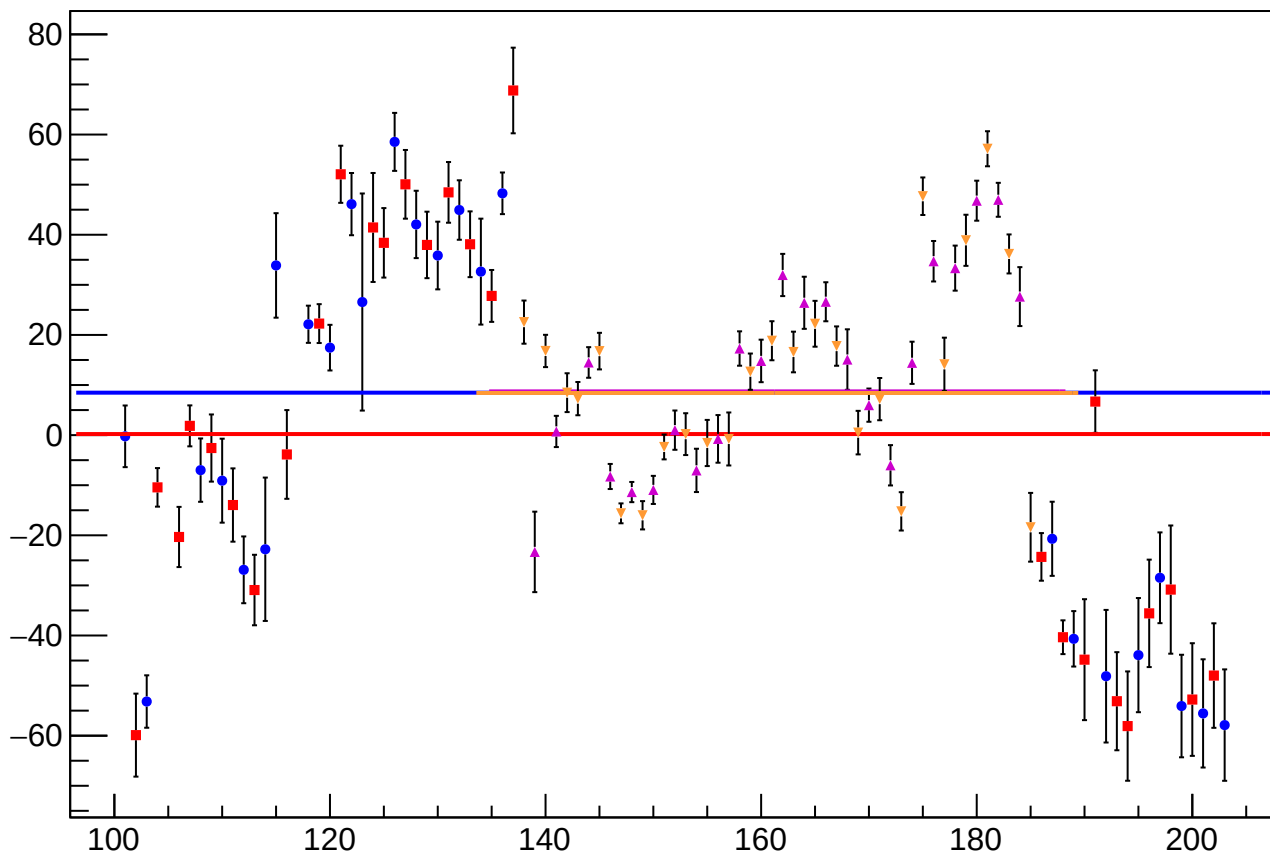
reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 208.448 $\pm$ 2.532 χ^2 /NDF: 627.3/7
 Left Out: 167.868 $\pm$ 0.973 χ^2 /NDF:2465.4/24
 Right Out: 222.340 $\pm$ 1.733 χ^2 /NDF: 3563.9/9
 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: 217.908 $\pm$ 1.430 χ^2 /NDF: 4211.7/17
 In: 175.532 $\pm$ 0.923 χ^2 /NDF:2858.7/30
 Out: 180.934 $\pm$ 0.849 χ^2 /NDF:6780.4/34
 All: 178.459 $\pm$ 0.625 χ^2 /NDF: 9657.7/65

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.475 ± 1.337 $\chi^2/\text{NDF}: 754.3/24$

Left Out: 8.415 ± 0.731 $\chi^2/\text{NDF}: 750.6/24$

Right Out: 0.214 ± 1.170 $\chi^2/\text{NDF}: 835.4/27$

Left In: 8.730 ± 0.757 $\chi^2/\text{NDF}: 630.1/22$

Left: 8.567 ± 0.526 $\chi^2/\text{NDF}: 1380.7/47$

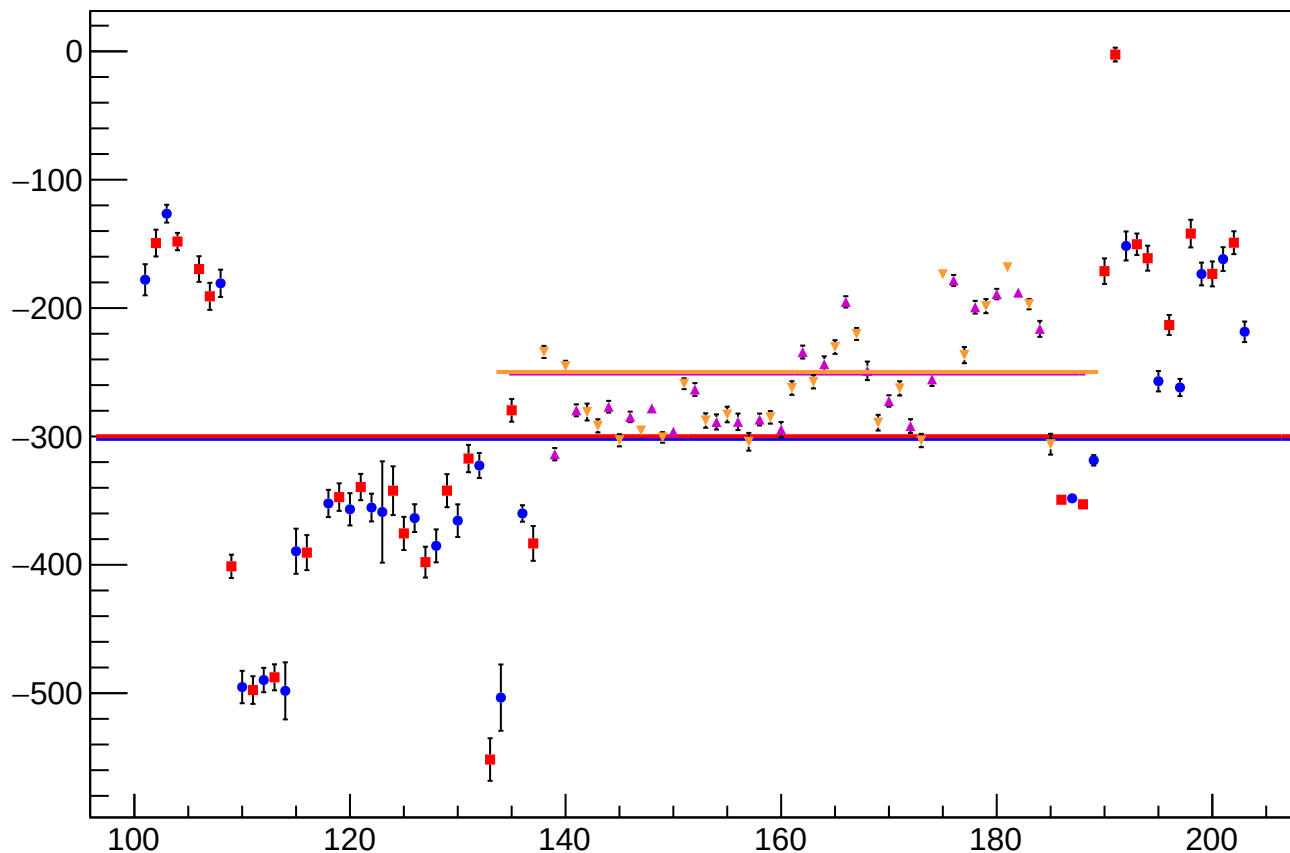
Right: 3.796 ± 0.880 $\chi^2/\text{NDF}: 1611.3/52$

In: 8.668 ± 0.659 $\chi^2/\text{NDF}: 1384.4/47$

Out: 6.112 ± 0.620 $\chi^2/\text{NDF}: 1621.3/52$

All: 7.313 ± 0.451 $\chi^2/\text{NDF}: 3013.7/100$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -301.870+/-1.674 χ^2/NDF : 2875.0/24

Left Out: -249.759+/-0.975 χ^2/NDF : 2232.5/24

Right Out: -299.834+/-1.245 χ^2/NDF : 7792.7/27

Left In: -251.002+/-0.987 χ^2/NDF : 1958.3/22

Left: -250.374+/-0.694 χ^2/NDF : 4191.7/47

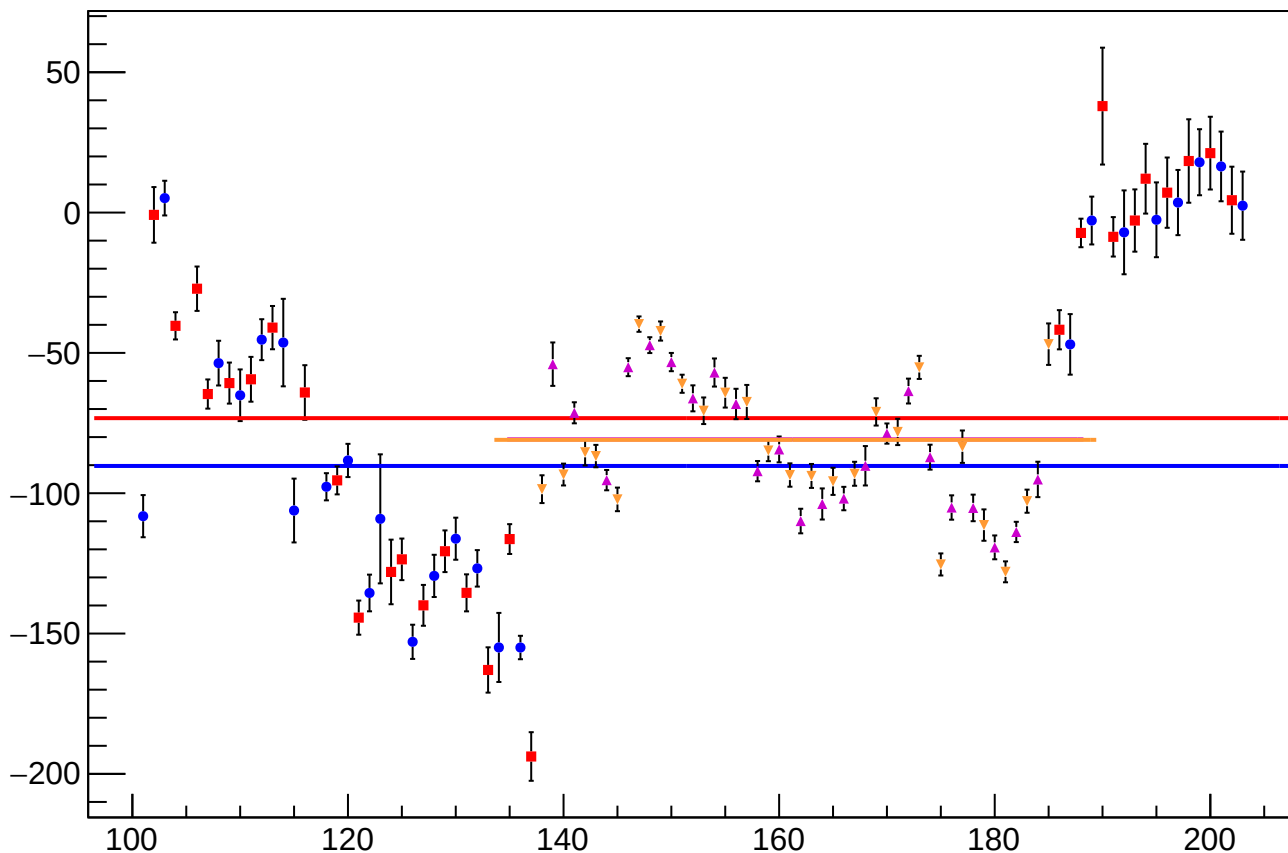
Right: -300.559+/-0.999 χ^2/NDF : 10668.7/52

In: -264.118+/-0.850 χ^2/NDF : 5518.6/47

Out: -268.803+/-0.768 χ^2/NDF : 11028.0/52

All: -266.698+/-0.570 χ^2/NDF : 16563.3/100

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -90.284 ± 1.563 $\chi^2/\text{NDF}: 1294.0/24$

Left Out: -80.981 ± 0.846 $\chi^2/\text{NDF}: 911.2/24$

Right Out: -73.250 ± 1.408 $\chi^2/\text{NDF}: 1546.0/27$

Left In: -80.803 ± 0.870 $\chi^2/\text{NDF}: 695.4/22$

Left: -80.895 ± 0.606 $\chi^2/\text{NDF}: 1606.6/47$

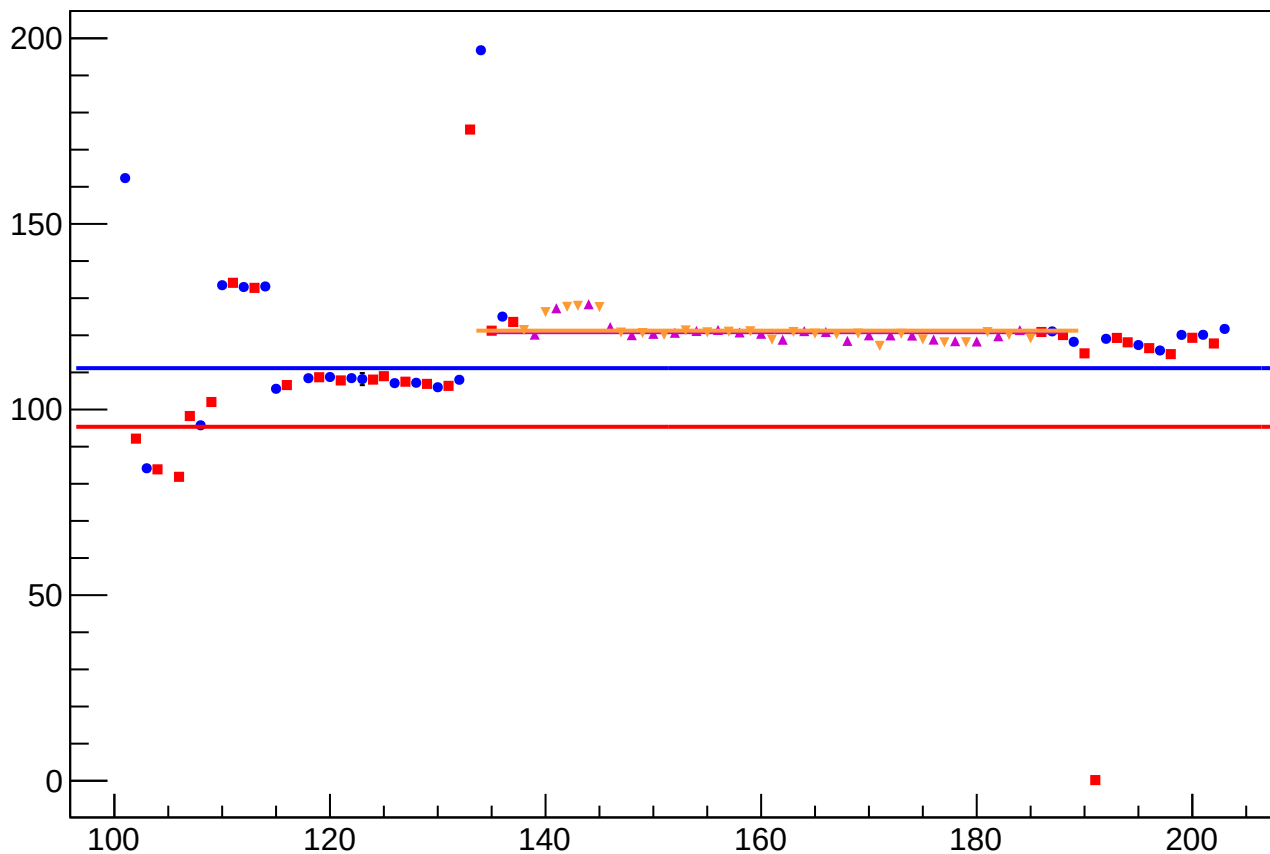
Right: -80.876 ± 1.046 $\chi^2/\text{NDF}: 2905.5/52$

In: -83.044 ± 0.760 $\chi^2/\text{NDF}: 2017.4/47$

Out: -78.929 ± 0.725 $\chi^2/\text{NDF}: 2479.4/52$

All: -80.890 ± 0.525 $\chi^2/\text{NDF}: 4512.2/100$

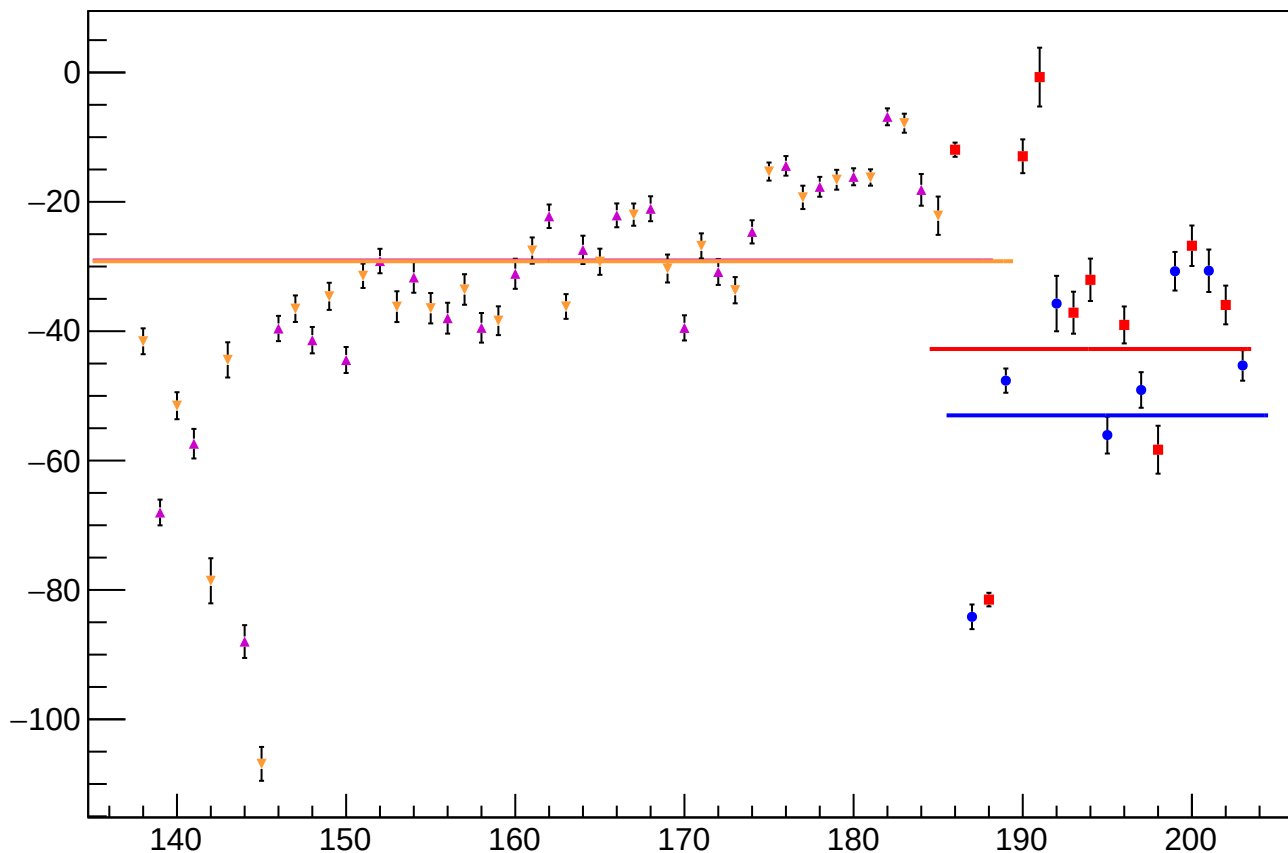
reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 111.148 $\pm$ 0.073 χ^2 /NDF: 77437.0/24
 Left Out: 121.248 $\pm$ 0.040 χ^2 /NDF: 4820.1/24
 Right Out: 95.354 $\pm$ 0.064 χ^2 /NDF: 339543.5/27
 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: 102.136 $\pm$ 0.048 χ^2 /NDF: 443494.1/52
 In: 118.566 $\pm$ 0.035 χ^2 /NDF: 94195.6/47
 Out: 113.844 $\pm$ 0.034 χ^2 /NDF: 462882.1/52
 All: 116.105 $\pm$ 0.025 χ^2 /NDF: 566320.9/100

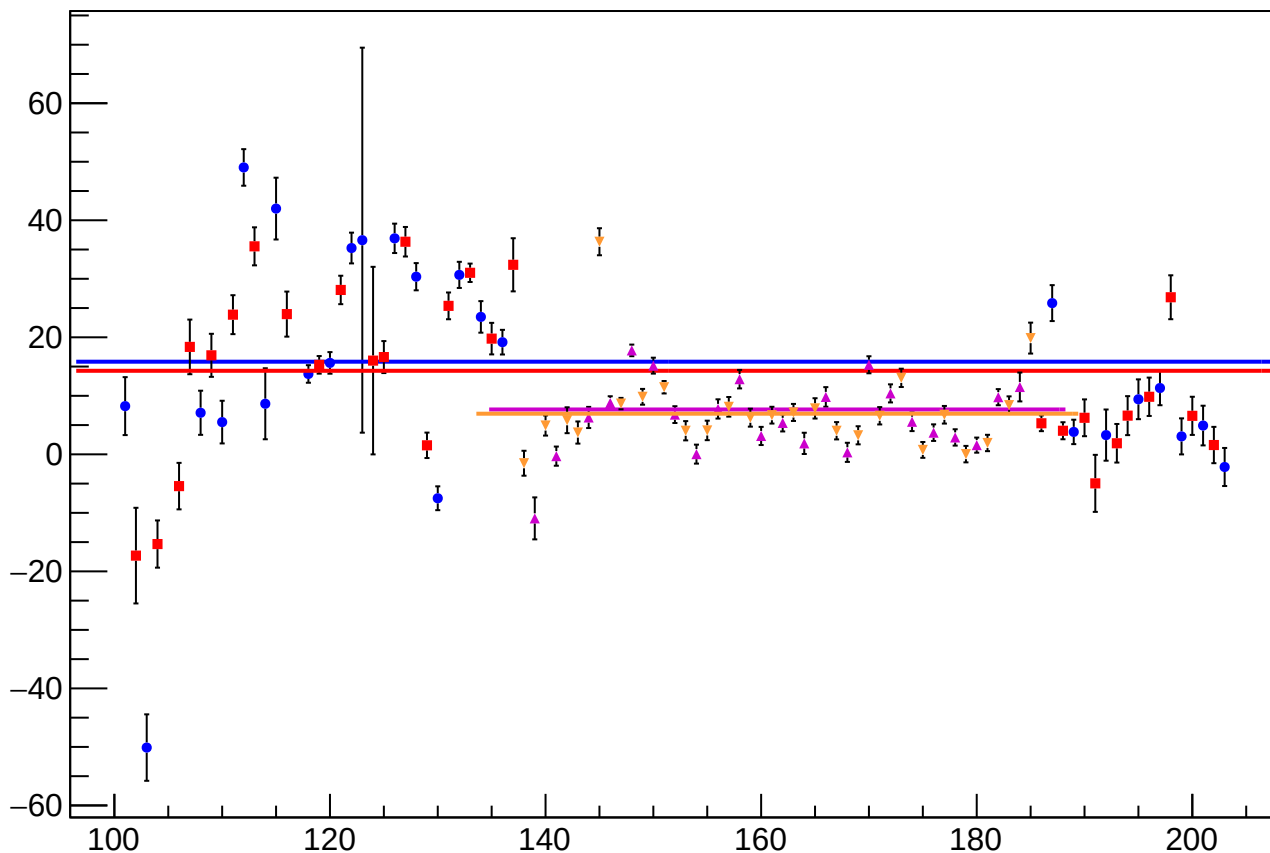
reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -53.011 $\pm$ 0.893 χ^2 /NDF: 407.4/7
 Left Out: -29.182 $\pm$ 0.389 χ^2 /NDF:1880.4/24
 Right Out: -42.750 $\pm$ 0.629 χ^2 /NDF: 2430.3/9
 Left In: -29.073 $\pm$ 0.394 χ^2 /NDF:1872.4/22

Left: -29.128 $\pm$ 0.277 χ^2 /NDF: 3752.8/47
 Right: -46.150 $\pm$ 0.514 χ^2 /NDF: 2926.0/17
 In: -32.970 $\pm$ 0.360 χ^2 /NDF:2881.3/30
 Out: -32.941 $\pm$ 0.331 χ^2 /NDF:4647.3/34
 All: -32.954 $\pm$ 0.244 χ^2 /NDF: 7528.6/65

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.831 ± 0.551 χ^2/NDF : 757.8/24

Left Out: 6.943 ± 0.304 χ^2/NDF : 322.6/24

Right Out: 14.277 ± 0.493 χ^2/NDF : 624.3/27

Left In: 7.666 ± 0.313 χ^2/NDF : 341.1/22

Left: 7.294 ± 0.218 χ^2/NDF : 666.5/47

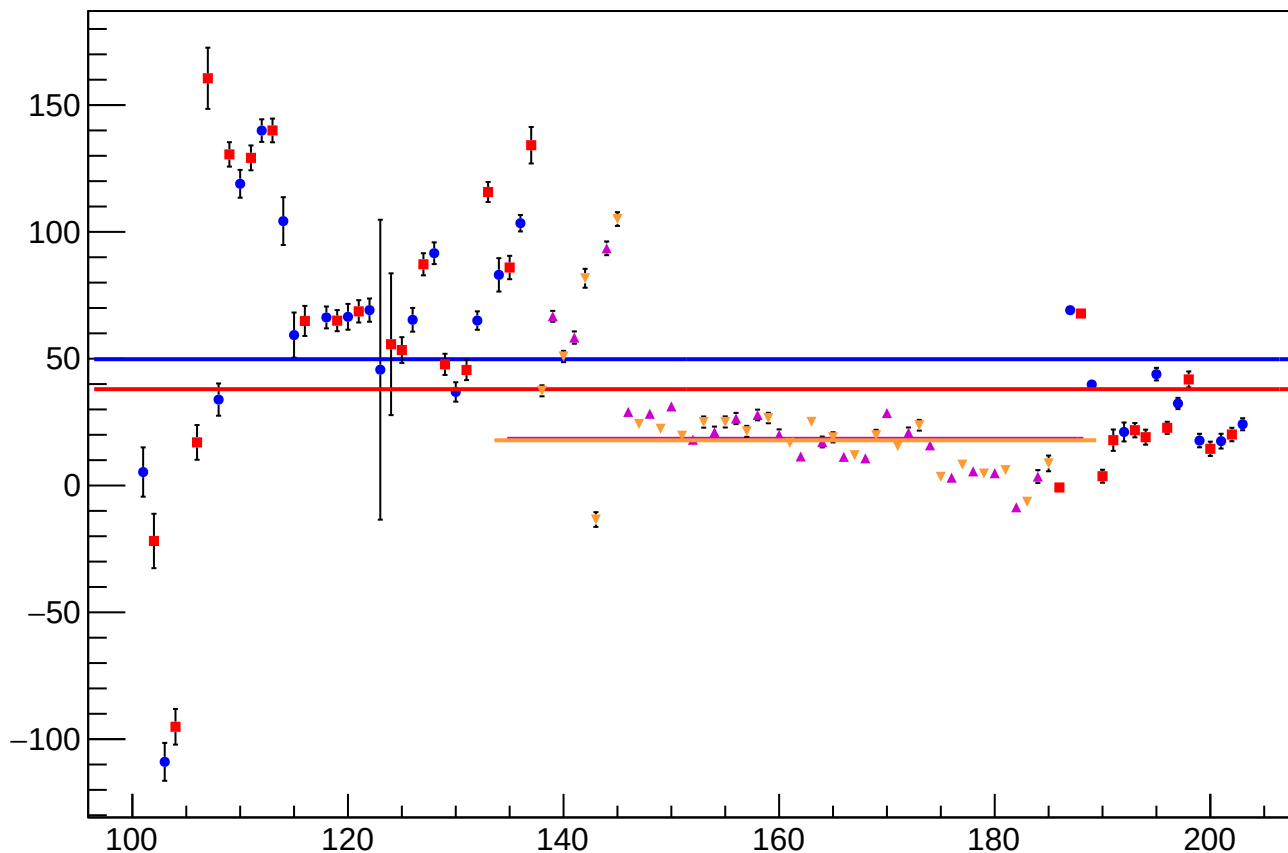
Right: 14.967 ± 0.367 χ^2/NDF : 1386.5/52

In: 9.655 ± 0.272 χ^2/NDF : 1264.9/47

Out: 8.963 ± 0.258 χ^2/NDF : 1107.6/52

All: 9.291 ± 0.187 χ^2/NDF : 2376.0/100

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 49.802 $\pm$ 0.654 χ^2 /NDF: 2260.9/24

Left Out: 17.841 $\pm$ 0.388 χ^2 /NDF: 2399.7/24

Right Out: 37.986 $\pm$ 0.479 χ^2 /NDF: 6254.6/27

Left In: 18.416 $\pm$ 0.391 χ^2 /NDF: 2468.4/22

Left: 18.126 $\pm$ 0.275 χ^2 /NDF: 4869.1/47

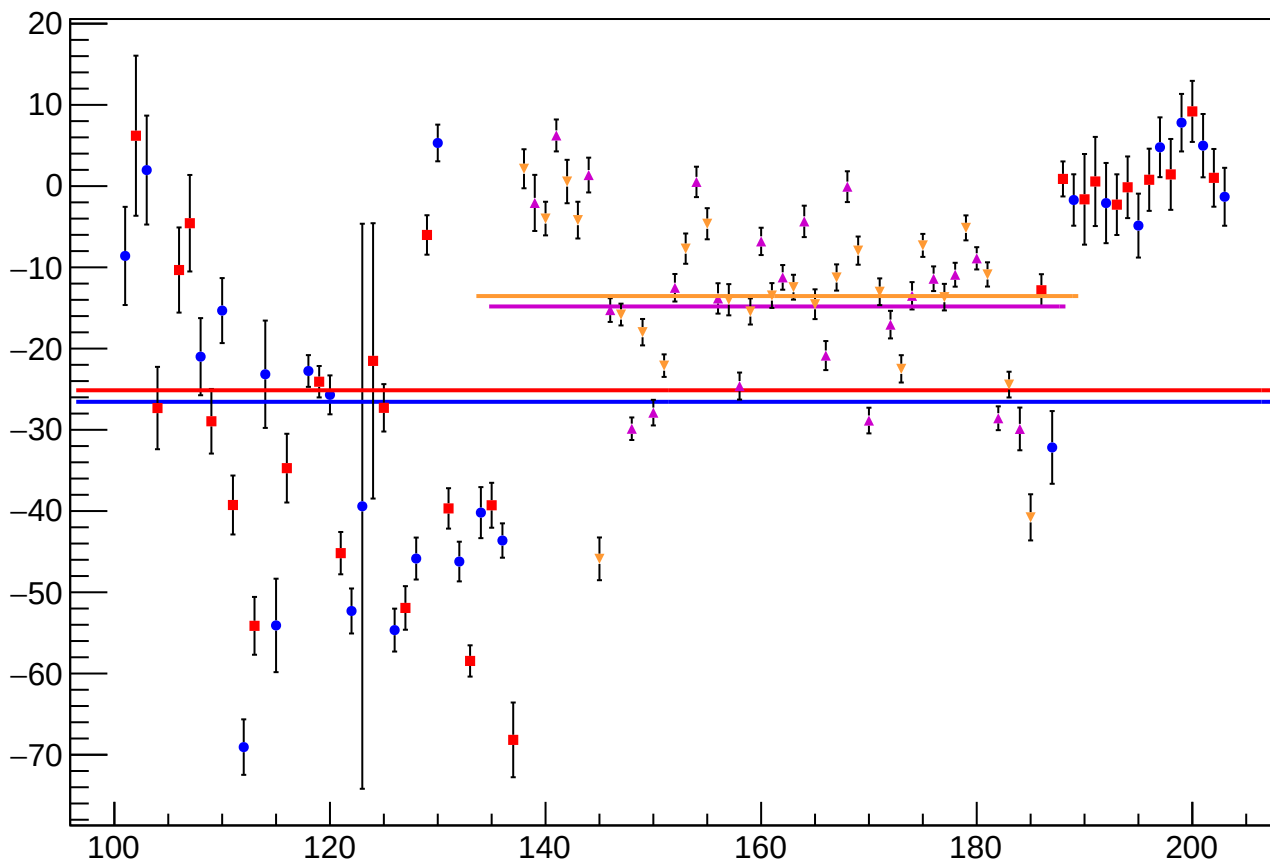
Right: 42.109 $\pm$ 0.386 χ^2 /NDF: 8727.9/52

In: 26.684 $\pm$ 0.336 χ^2 /NDF: 6424.5/47

Out: 25.818 $\pm$ 0.301 χ^2 /NDF: 9722.7/52

All: 26.204 $\pm$ 0.224 χ^2 /NDF: 16150.9/100

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.553 ± 0.646 $\chi^2/\text{NDF}: 1222.3/24$

Left Out: -13.535 ± 0.345 $\chi^2/\text{NDF}: 574.6/24$

Right Out: -25.133 ± 0.599 $\chi^2/\text{NDF}: 1312.3/27$

Left In: -14.815 ± 0.353 $\chi^2/\text{NDF}: 838.2/22$

Left: -14.159 ± 0.247 $\chi^2/\text{NDF}: 1419.5/47$

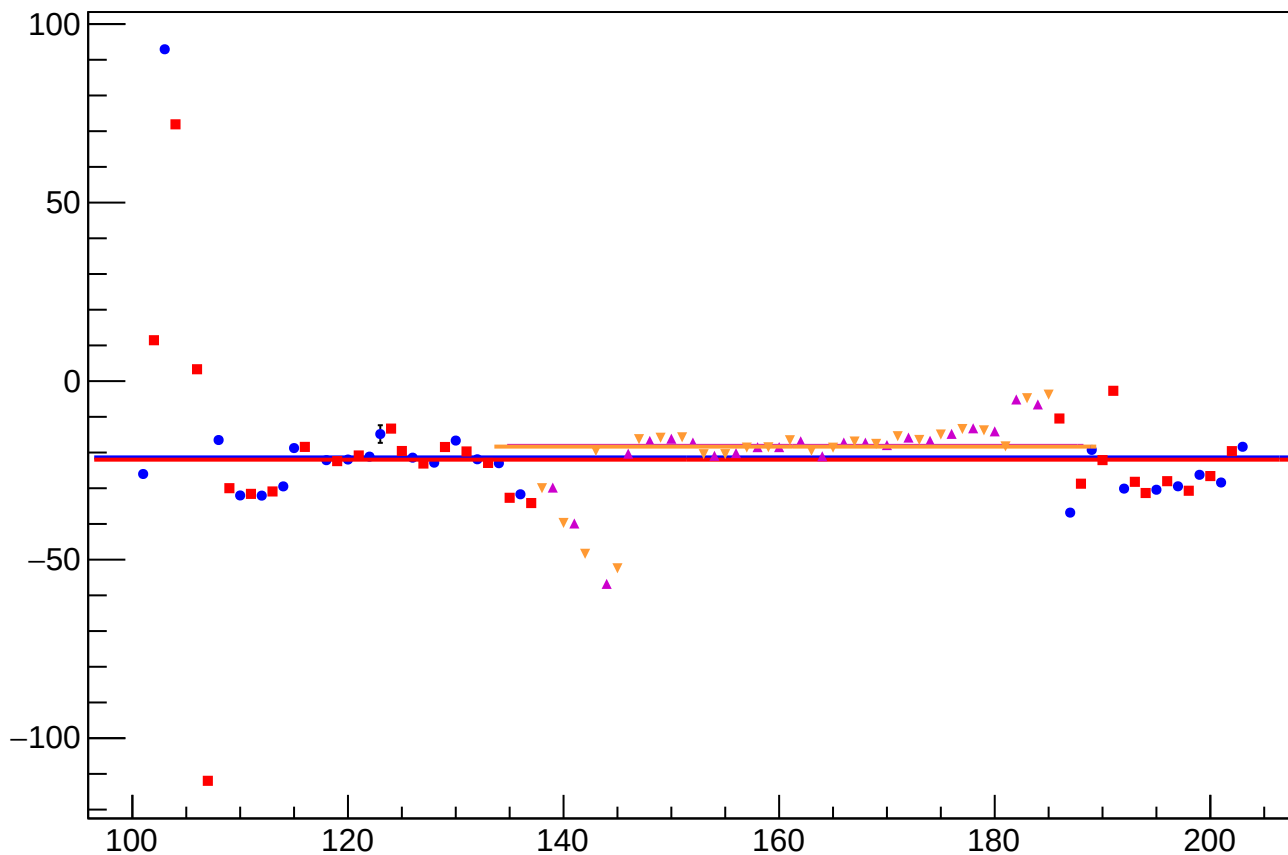
Right: -25.789 ± 0.439 $\chi^2/\text{NDF}: 2537.2/52$

In: -17.517 ± 0.310 $\chi^2/\text{NDF}: 2314.9/47$

Out: -16.422 ± 0.299 $\chi^2/\text{NDF}: 2168.7/52$

All: -16.950 ± 0.215 $\chi^2/\text{NDF}: 4490.0/100$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.365 ± 0.032 $\chi^2/\text{NDF}: 510902.9/24$

Left Out: -18.337 ± 0.016 $\chi^2/\text{NDF}: 283793.3/24$

Right Out: -21.995 ± 0.029 $\chi^2/\text{NDF}: 484701.6/27$

Left In: -18.135 ± 0.016 $\chi^2/\text{NDF}: 245650.3/22$

Left: -18.237 ± 0.011 $\chi^2/\text{NDF}: 529524.6/47$

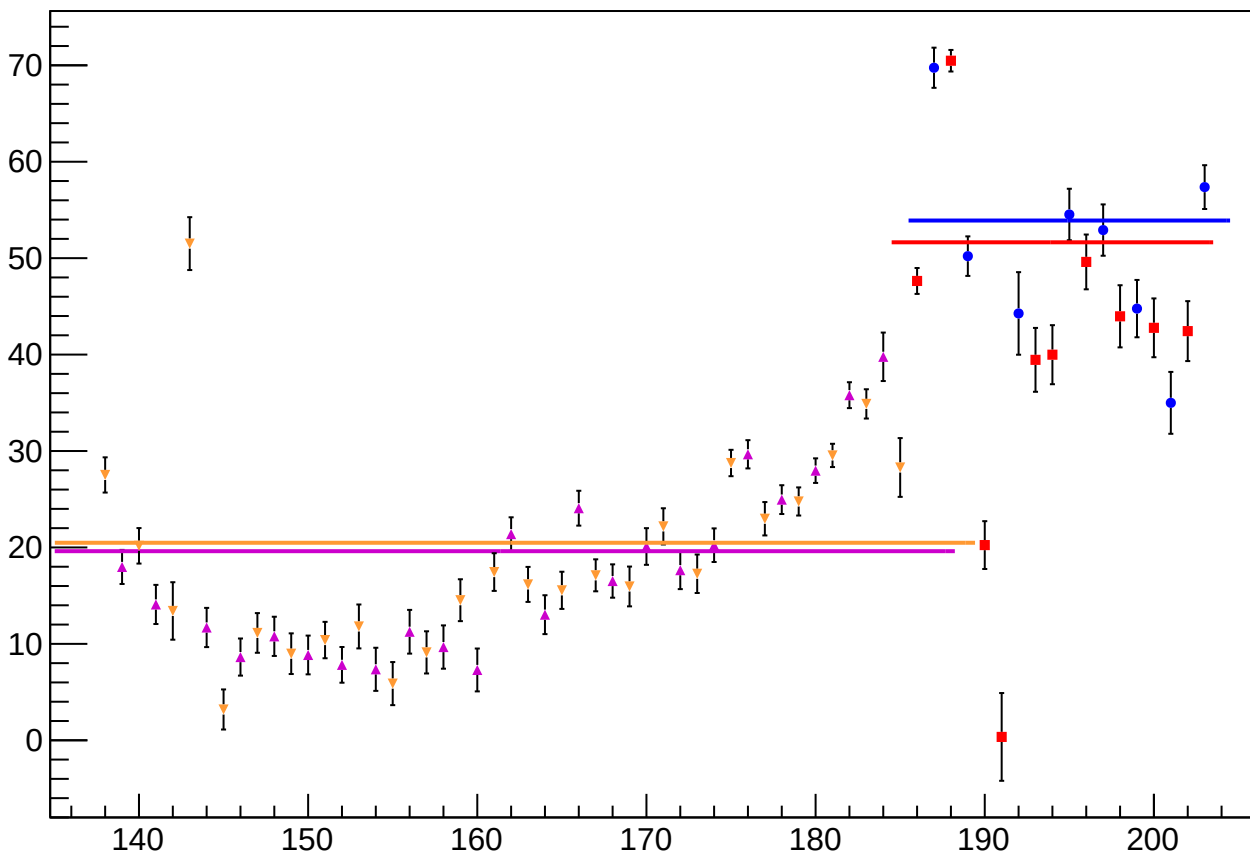
Right: -21.706 ± 0.021 $\chi^2/\text{NDF}: 995817.9/52$

In: -18.792 ± 0.014 $\chi^2/\text{NDF}: 764825.0/47$

Out: -19.171 ± 0.014 $\chi^2/\text{NDF}: 780601.9/52$

All: -18.986 ± 0.010 $\chi^2/\text{NDF}: 1545786.7/100$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 53.903 $\pm$ 0.910 χ^2 /NDF: 112.9/7

Left Out: 20.485 $\pm$ 0.374 χ^2 /NDF: 615.7/24

Right Out: 51.644 $\pm$ 0.675 χ^2 /NDF: 631.3/9

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

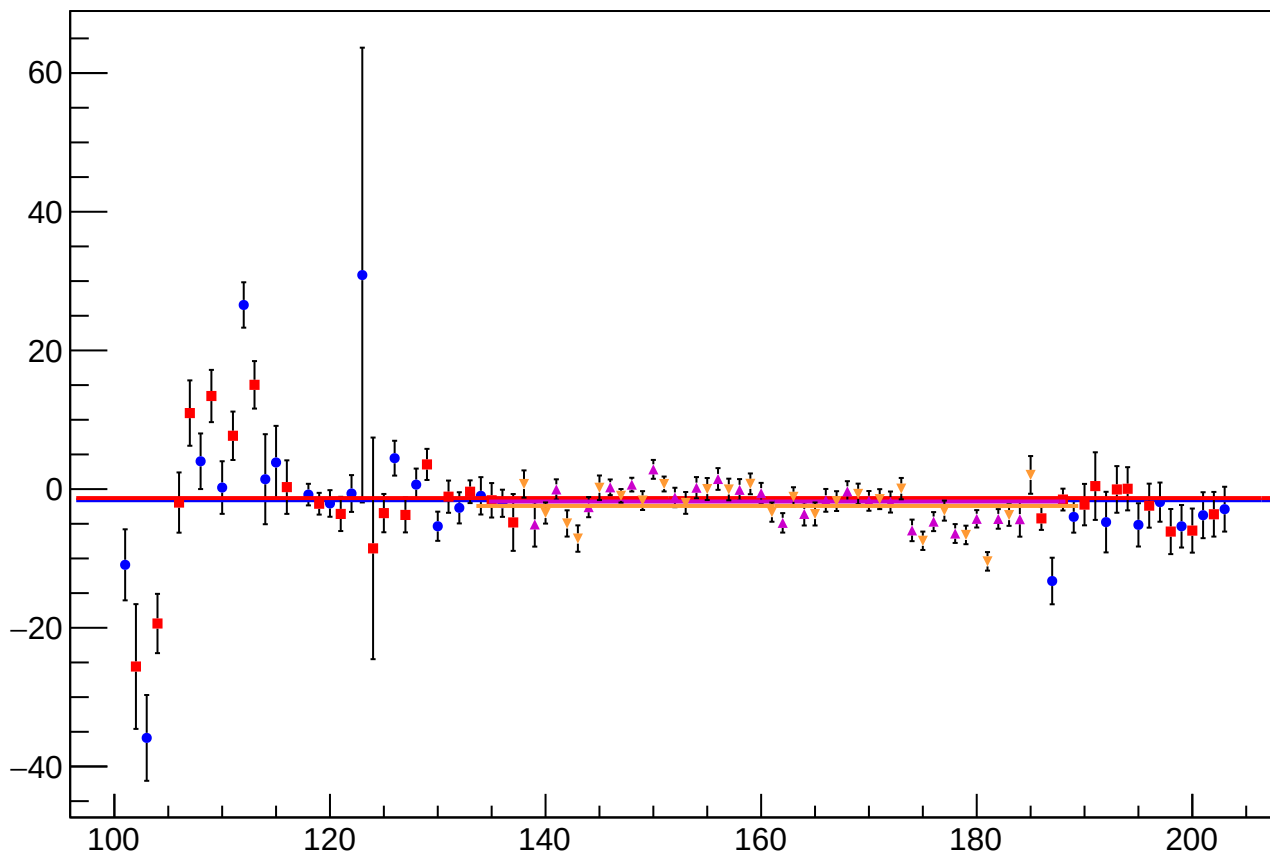
Right: 52.447 $\pm$ 0.542 χ^2 /NDF: 748.2/17

In: 24.676 $\pm$ 0.350 χ^2 /NDF: 1896.9/30

Out: 27.790 $\pm$ 0.327 χ^2 /NDF: 2877.5/34

All: 26.337 $\pm$ 0.239 χ^2 /NDF: 4816.8/65

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.602 ± 0.559 χ^2/NDF : 140.3/24

Left Out: -2.429 ± 0.293 χ^2/NDF : 103.7/24

Right Out: -1.295 ± 0.512 χ^2/NDF : 94.1/27

Left In: -1.791 ± 0.301 χ^2/NDF : 70.1/22

Left: -2.119 ± 0.210 χ^2/NDF : 176.1/47

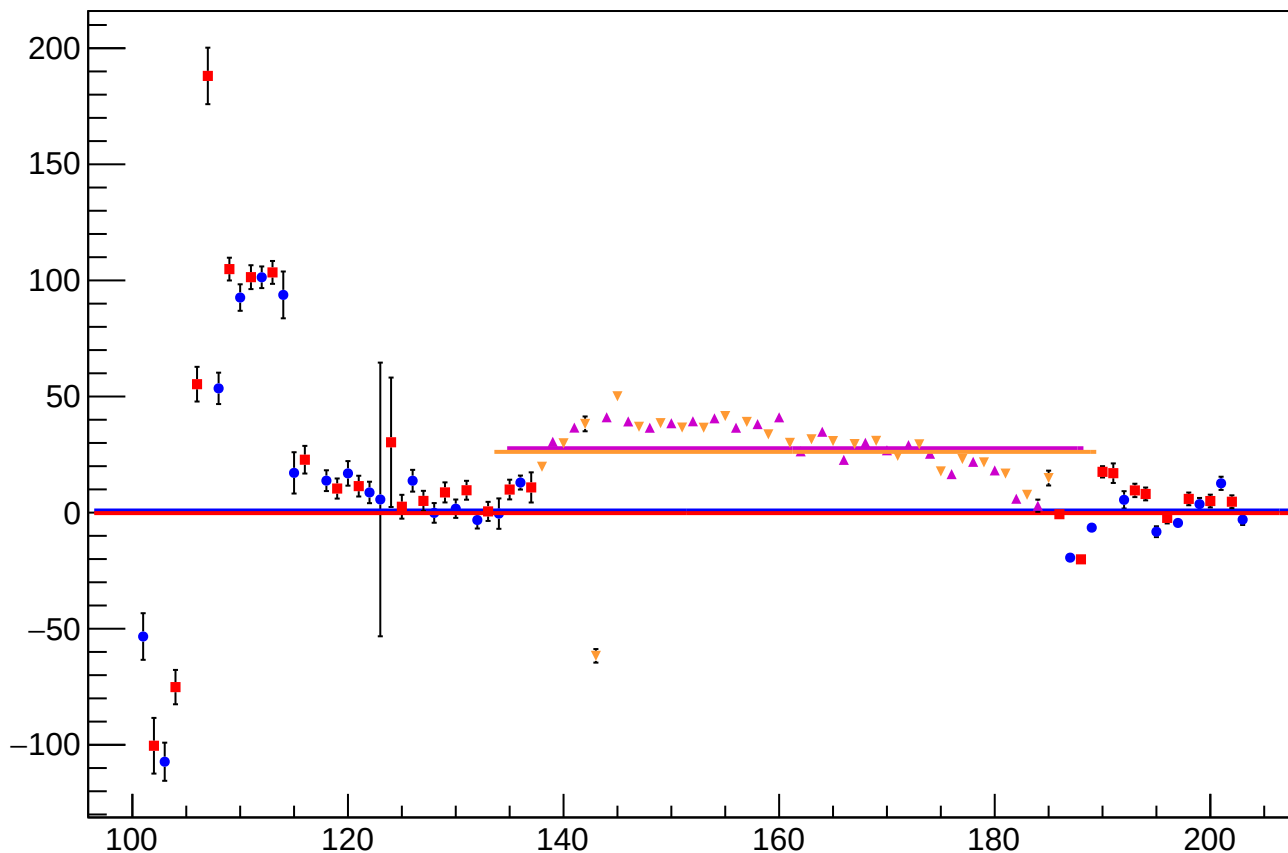
Right: -1.435 ± 0.378 χ^2/NDF : 234.6/52

In: -1.749 ± 0.265 χ^2/NDF : 210.5/47

Out: -2.149 ± 0.254 χ^2/NDF : 201.5/52

All: -1.958 ± 0.184 χ^2/NDF : 413.2/100

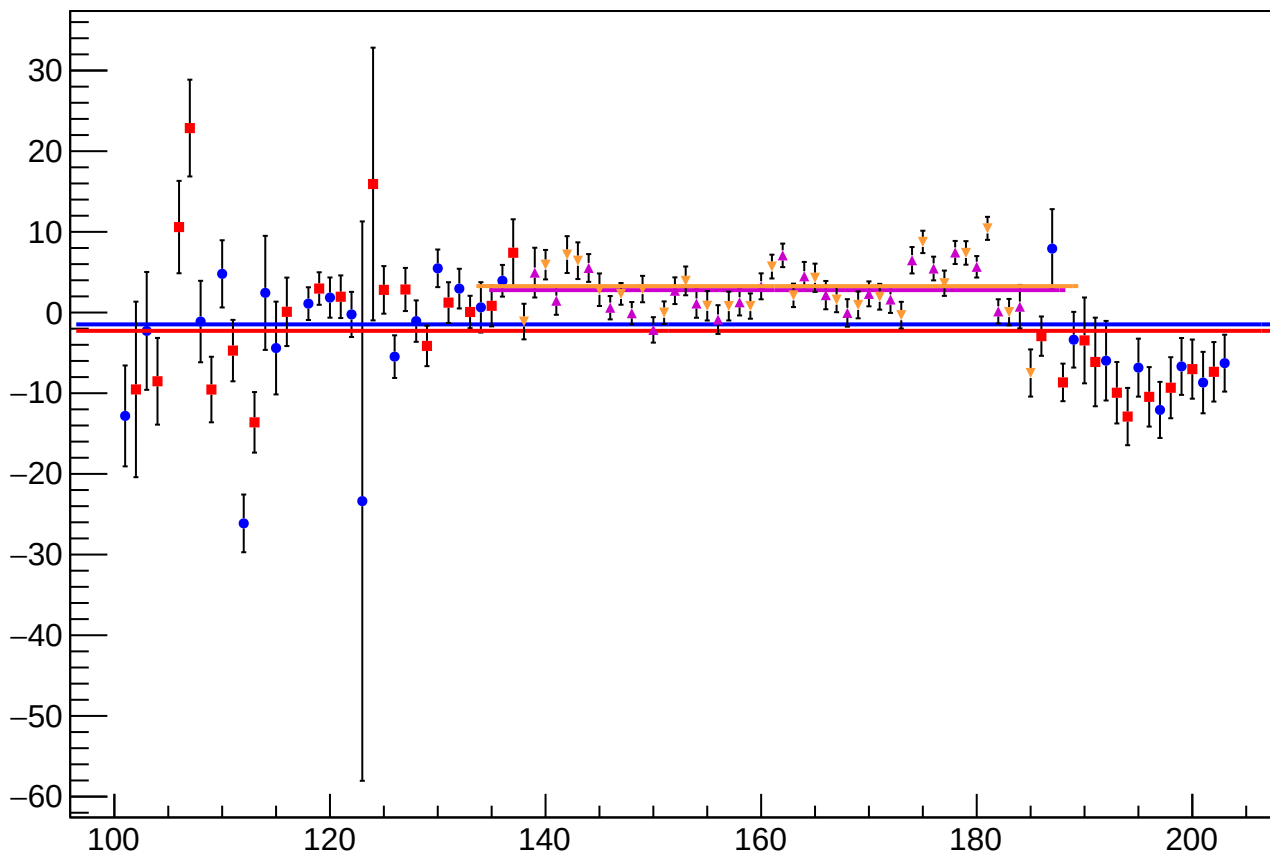
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.911 ± 0.669 $\chi^2/\text{NDF}: 1320.8/24$
 Left Out: 26.164 ± 0.373 $\chi^2/\text{NDF}: 1577.6/24$
 Right Out: -0.216 ± 0.514 $\chi^2/\text{NDF}: 2399.4/27$
 Left In: 27.725 ± 0.377 $\chi^2/\text{NDF}: 805.1/22$

Left: 26.936 ± 0.265 $\chi^2/\text{NDF}: 2391.3/47$
 Right: 0.203 ± 0.407 $\chi^2/\text{NDF}: 3722.0/52$
 In: 21.264 ± 0.328 $\chi^2/\text{NDF}: 3346.9/47$
 Out: 17.062 ± 0.302 $\chi^2/\text{NDF}: 5704.3/52$
 All: 18.987 ± 0.222 $\chi^2/\text{NDF}: 9140.0/100$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.469 ± 0.650 $\chi^2/\text{NDF}: 104.1/24$

Left Out: 3.275 ± 0.332 $\chi^2/\text{NDF}: 101.8/24$

Right Out: -2.267 ± 0.615 $\chi^2/\text{NDF}: 98.5/27$

Left In: 2.777 ± 0.340 $\chi^2/\text{NDF}: 66.5/22$

Left: 3.032 ± 0.238 $\chi^2/\text{NDF}: 169.4/47$

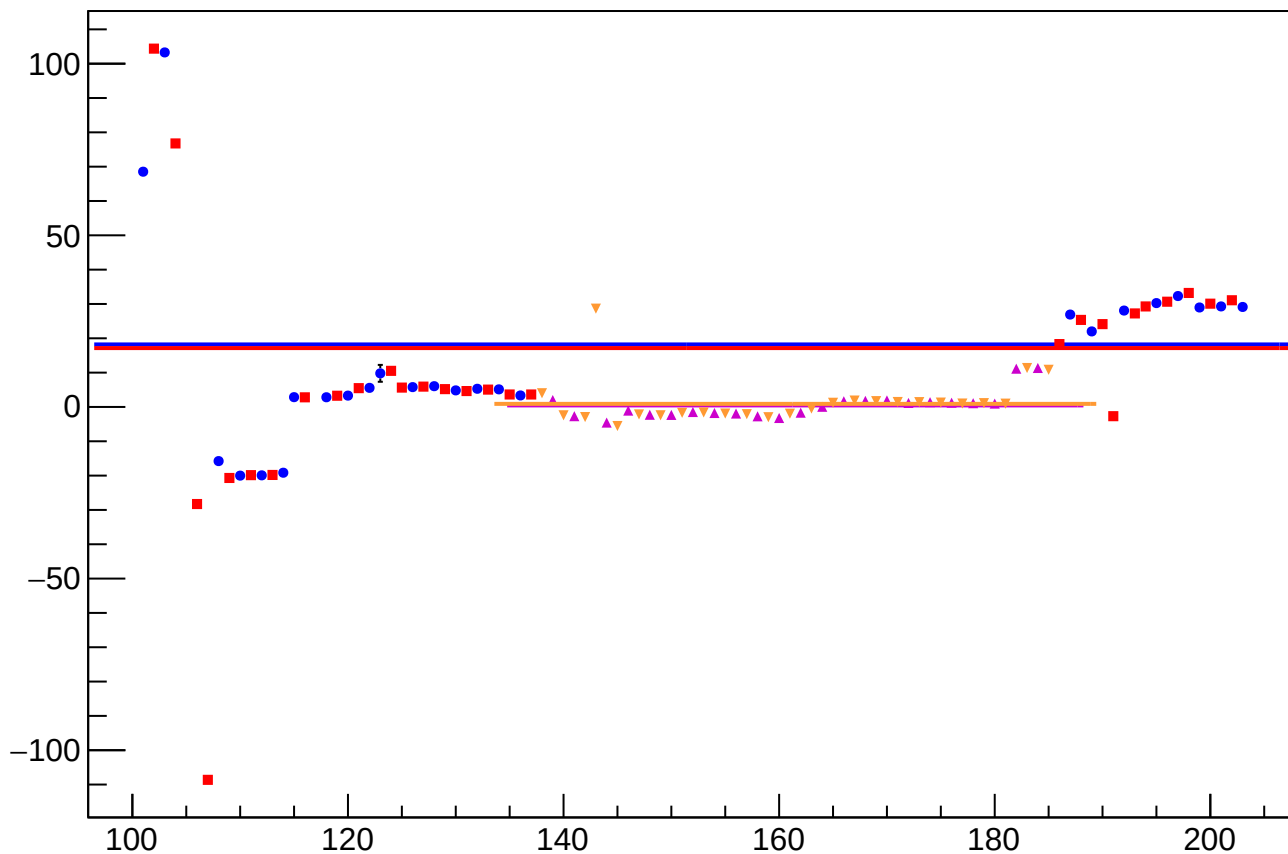
Right: -1.890 ± 0.447 $\chi^2/\text{NDF}: 203.4/52$

In: 1.864 ± 0.301 $\chi^2/\text{NDF}: 204.1/47$

Out: 2.025 ± 0.292 $\chi^2/\text{NDF}: 263.1/52$

All: 1.947 ± 0.210 $\chi^2/\text{NDF}: 467.3/100$

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 18.211 $\pm$ 0.031 χ^2 /NDF: 476757.2/24

Left Out: 0.898 $\pm$ 0.015 χ^2 /NDF:108195.0/24

Right Out: 17.147 $\pm$ 0.029 χ^2 /NDF: 708685.5/27

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

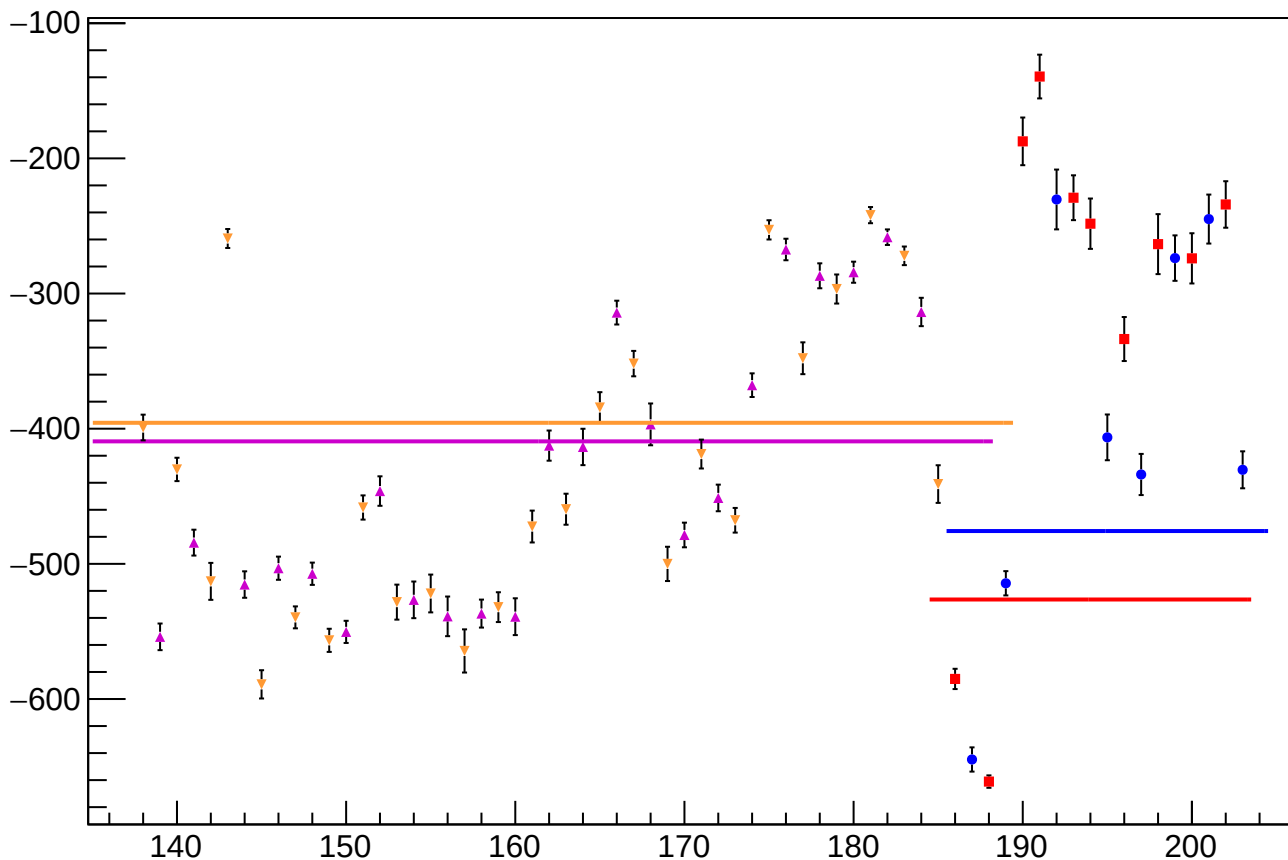
Right: 17.640 $\pm$ 0.021 χ^2 /NDF: 1186058.3/52

In: 3.876 $\pm$ 0.014 χ^2 /NDF:785440.9/47

Out: 4.368 $\pm$ 0.013 χ^2 /NDF:1060565.8/52

All: 4.128 $\pm$ 0.010 χ^2 /NDF: 1846658.7/100

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -475.724 ± 4.631 χ^2/NDF : 838.7/7

Left Out: -395.638 ± 1.909 χ^2/NDF : 3704.0/24

Right Out: -526.376 ± 3.319 χ^2/NDF : 3160.2/9

Left In: -409.377 ± 1.971 χ^2/NDF : 3096.1/22

Left: -402.287 ± 1.371 χ^2/NDF : 6825.2/47

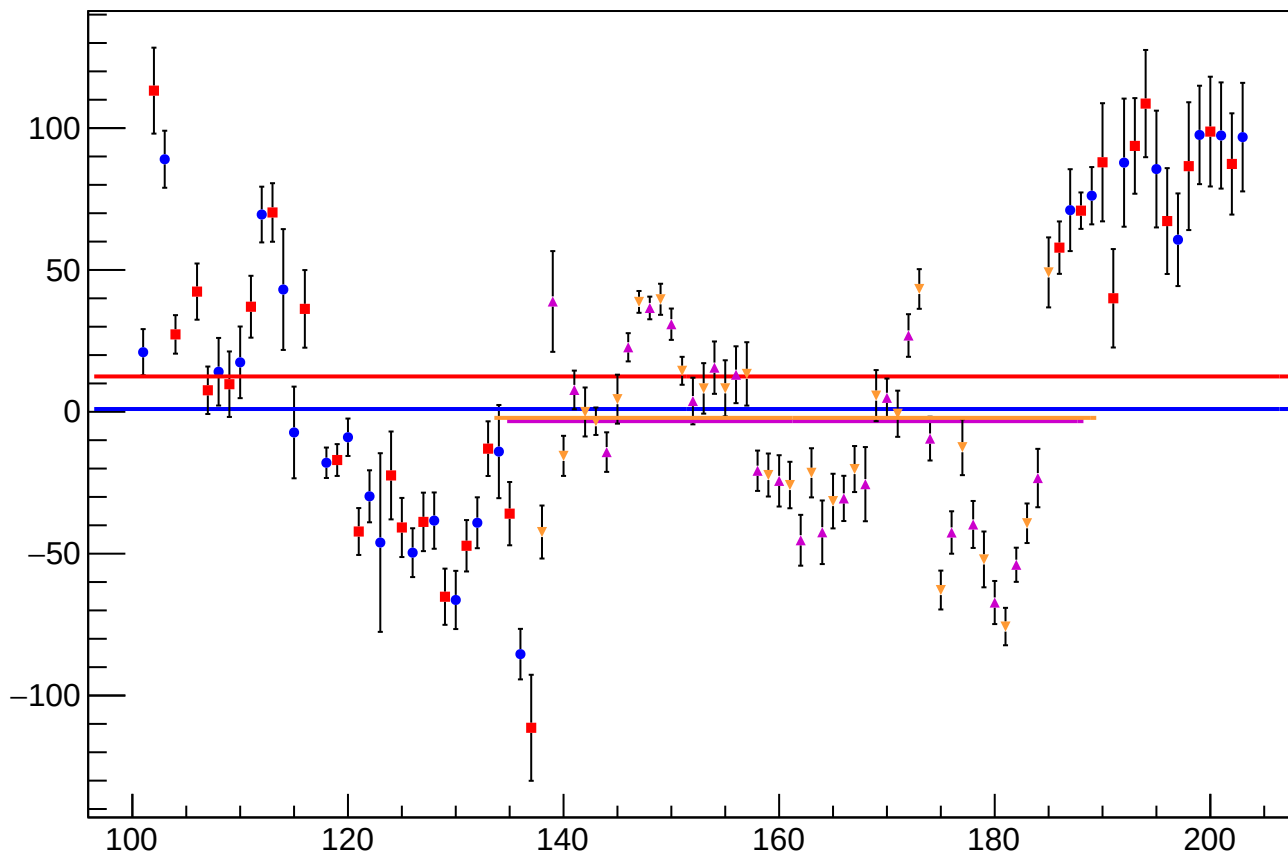
Right: -509.192 ± 2.697 χ^2/NDF : 4077.9/17

In: -419.554 ± 1.814 χ^2/NDF : 4108.5/30

Out: -428.145 ± 1.655 χ^2/NDF : 8030.4/34

All: -424.243 ± 1.222 χ^2/NDF : 12151.2/65

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.988 ± 2.138 $\chi^2/\text{NDF}: 581.8/24$

Left Out: -2.133 ± 1.435 $\chi^2/\text{NDF}: 562.8/24$

Right Out: 12.466 ± 1.988 $\chi^2/\text{NDF}: 628.6/27$

Left In: -3.290 ± 1.517 $\chi^2/\text{NDF}: 454.5/22$

Left: -2.680 ± 1.042 $\chi^2/\text{NDF}: 1017.6/47$

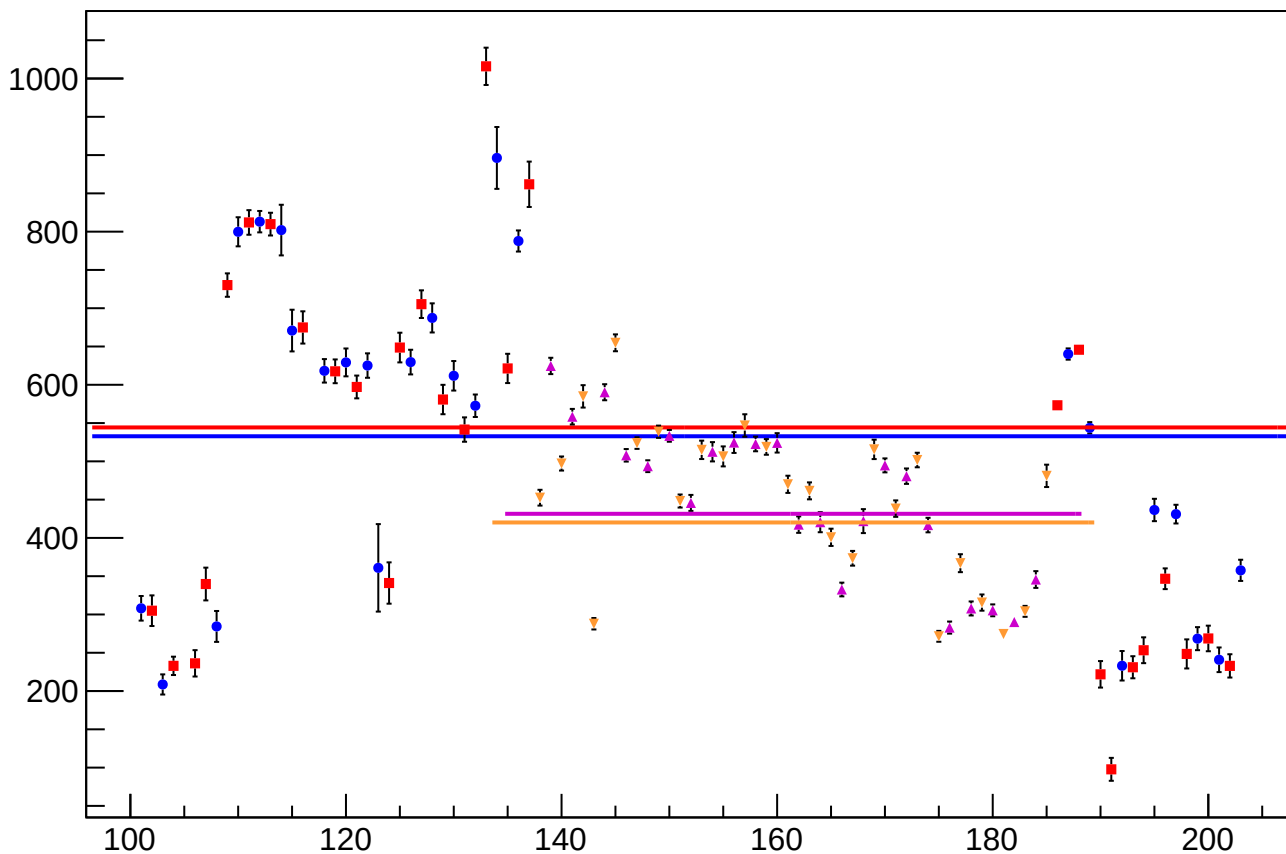
Right: 7.143 ± 1.456 $\chi^2/\text{NDF}: 1225.9/52$

In: -1.857 ± 1.237 $\chi^2/\text{NDF}: 1039.0/47$

Out: 2.868 ± 1.164 $\chi^2/\text{NDF}: 1226.8/52$

All: 0.650 ± 0.847 $\chi^2/\text{NDF}: 2273.6/100$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 532.761 $\pm$ 2.920 χ^2 /NDF: 3664.9/24

Left Out: 420.181 $\pm$ 1.916 χ^2 /NDF:3241.0/24

Right Out: 544.287 $\pm$ 2.285 χ^2 /NDF: 6653.4/27

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

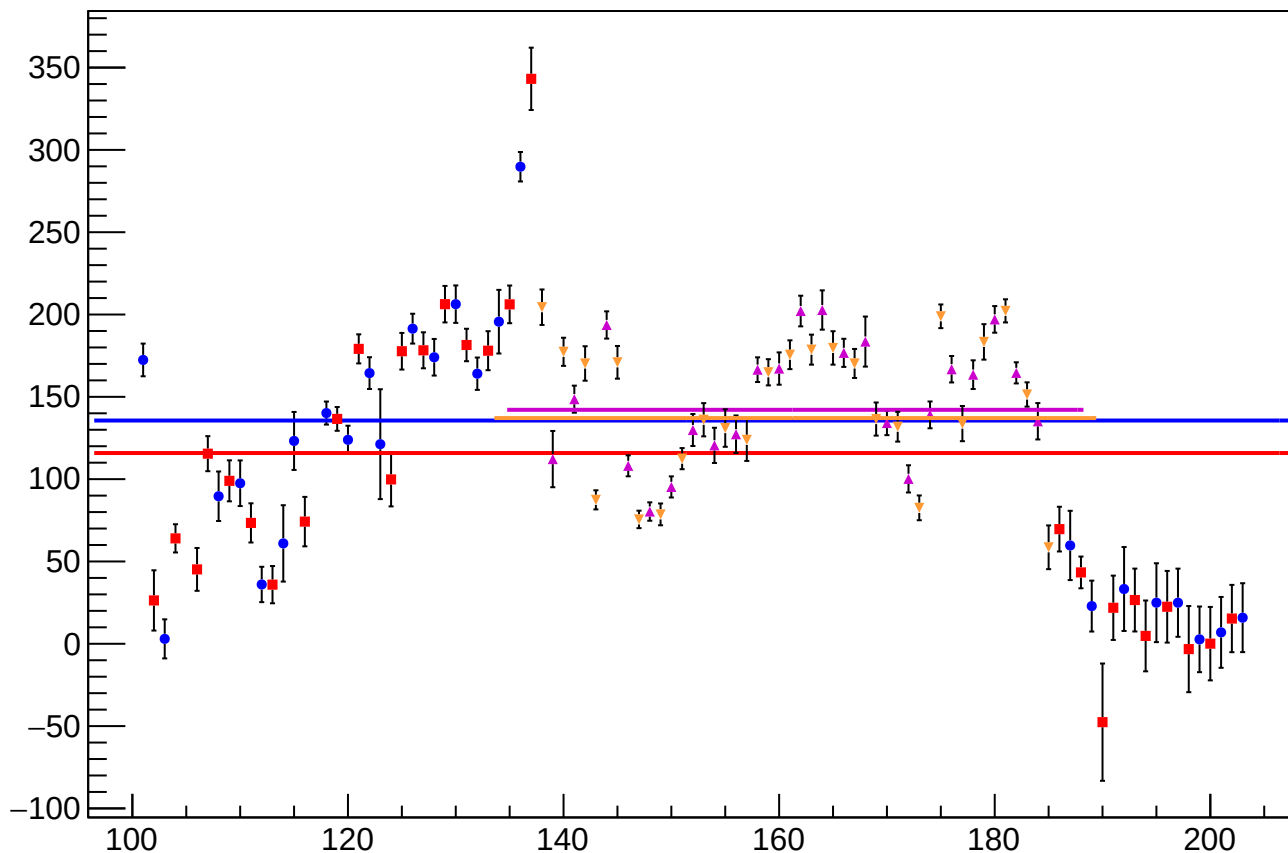
Right: 539.909 $\pm$ 1.800 χ^2 /NDF: 10327.9/52

In: 463.035 $\pm$ 1.630 χ^2 /NDF:7390.3/47

Out: 471.401 $\pm$ 1.468 χ^2 /NDF:11626.7/52

All: 467.654 $\pm$ 1.091 χ^2 /NDF: 19031.5/100

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 135.611 ± 2.509 $\chi^2/\text{NDF}: 912.6/24$

Left Out: 137.107 ± 1.663 $\chi^2/\text{NDF}: 738.9/24$

Right Out: 115.874 ± 2.372 $\chi^2/\text{NDF}: 882.4/27$

Left In: 142.123 ± 1.740 $\chi^2/\text{NDF}: 463.8/22$

Left: 139.501 ± 1.202 $\chi^2/\text{NDF}: 1207.0/47$

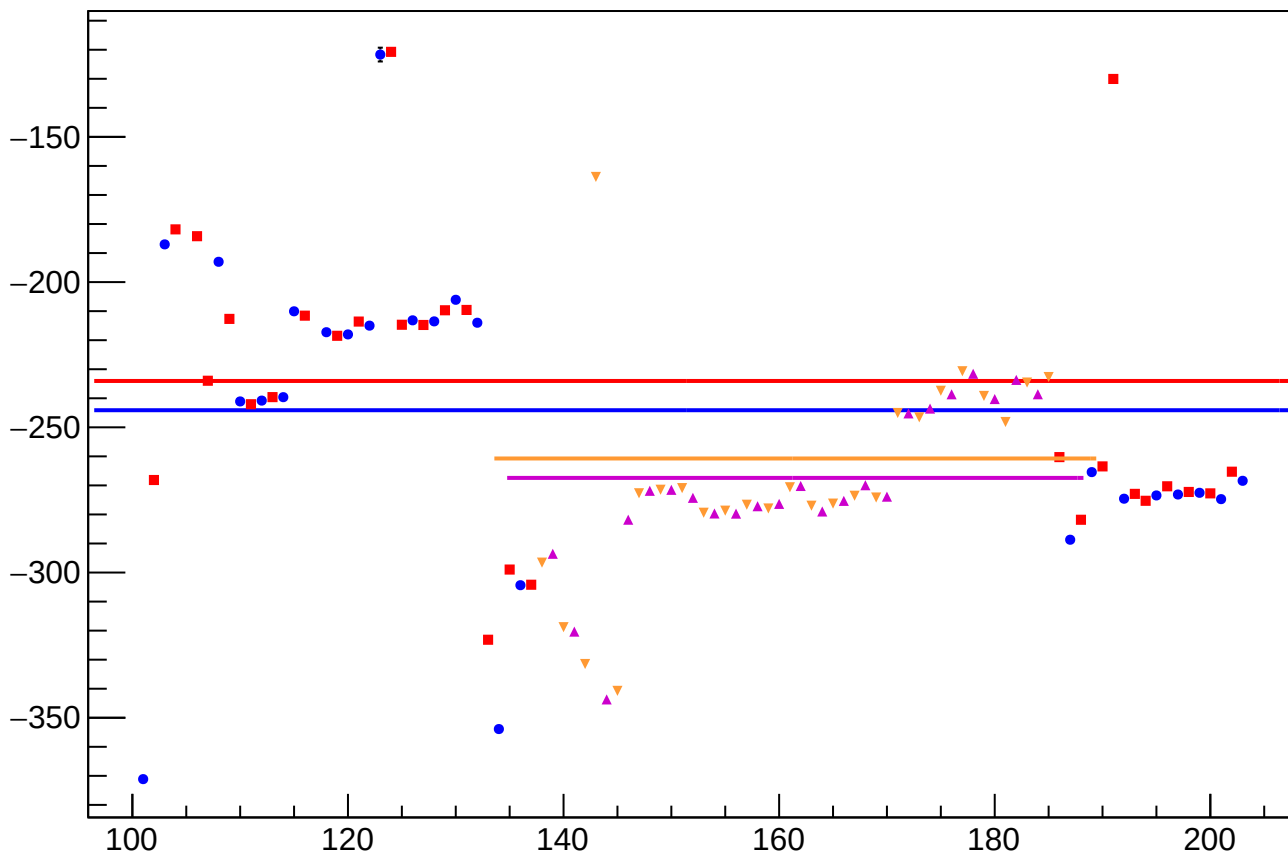
Right: 125.189 ± 1.723 $\chi^2/\text{NDF}: 1827.7/52$

In: 140.007 ± 1.430 $\chi^2/\text{NDF}: 1380.9/47$

Out: 130.111 ± 1.361 $\chi^2/\text{NDF}: 1675.0/52$

All: 134.817 ± 0.986 $\chi^2/\text{NDF}: 3081.1/100$

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -244.112 ± 0.128 $\chi^2/\text{NDF}: 162524.9/24$

Left Out: -260.729 ± 0.080 $\chi^2/\text{NDF}: 220125.6/24$

Right Out: -234.040 ± 0.117 $\chi^2/\text{NDF}: 164963.7/27$

Left In: -267.416 ± 0.081 $\chi^2/\text{NDF}: 98892.0/22$

Left: -263.998 ± 0.057 $\chi^2/\text{NDF}: 322472.0/47$

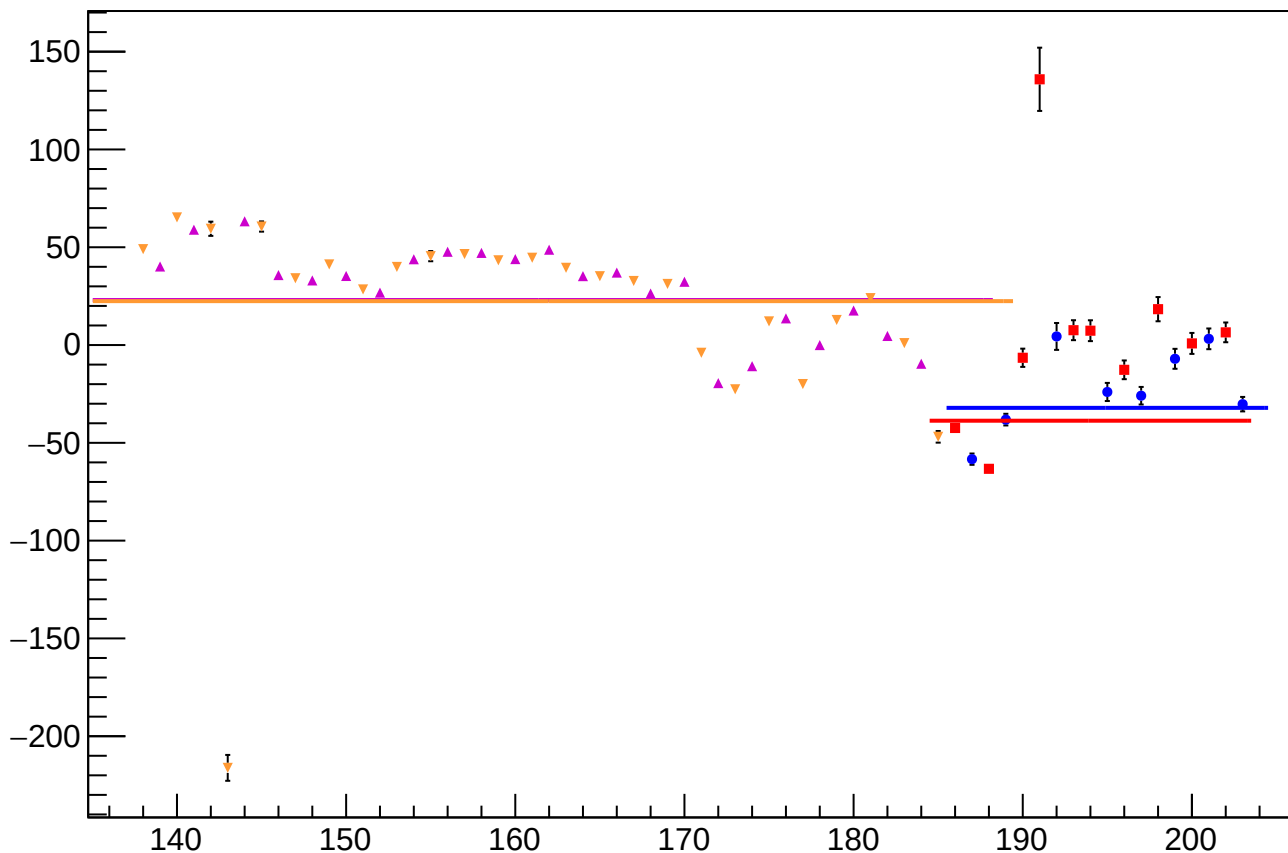
Right: -238.612 ± 0.086 $\chi^2/\text{NDF}: 330869.6/52$

In: -260.713 ± 0.069 $\chi^2/\text{NDF}: 285026.4/47$

Out: -252.264 ± 0.066 $\chi^2/\text{NDF}: 420798.0/52$

All: -256.304 ± 0.047 $\chi^2/\text{NDF}: 713726.7/100$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.113 ± 1.418 $\chi^2/\text{NDF}: 188.7/7$

Left Out: 22.446 ± 0.399 $\chi^2/\text{NDF}: 4935.8/24$

Right Out: -38.689 ± 0.997 $\chi^2/\text{NDF}: 823.0/9$

Left In: 23.019 ± 0.400 $\chi^2/\text{NDF}: 2819.9/22$

Left: 22.732 ± 0.282 $\chi^2/\text{NDF}: 7756.7/47$

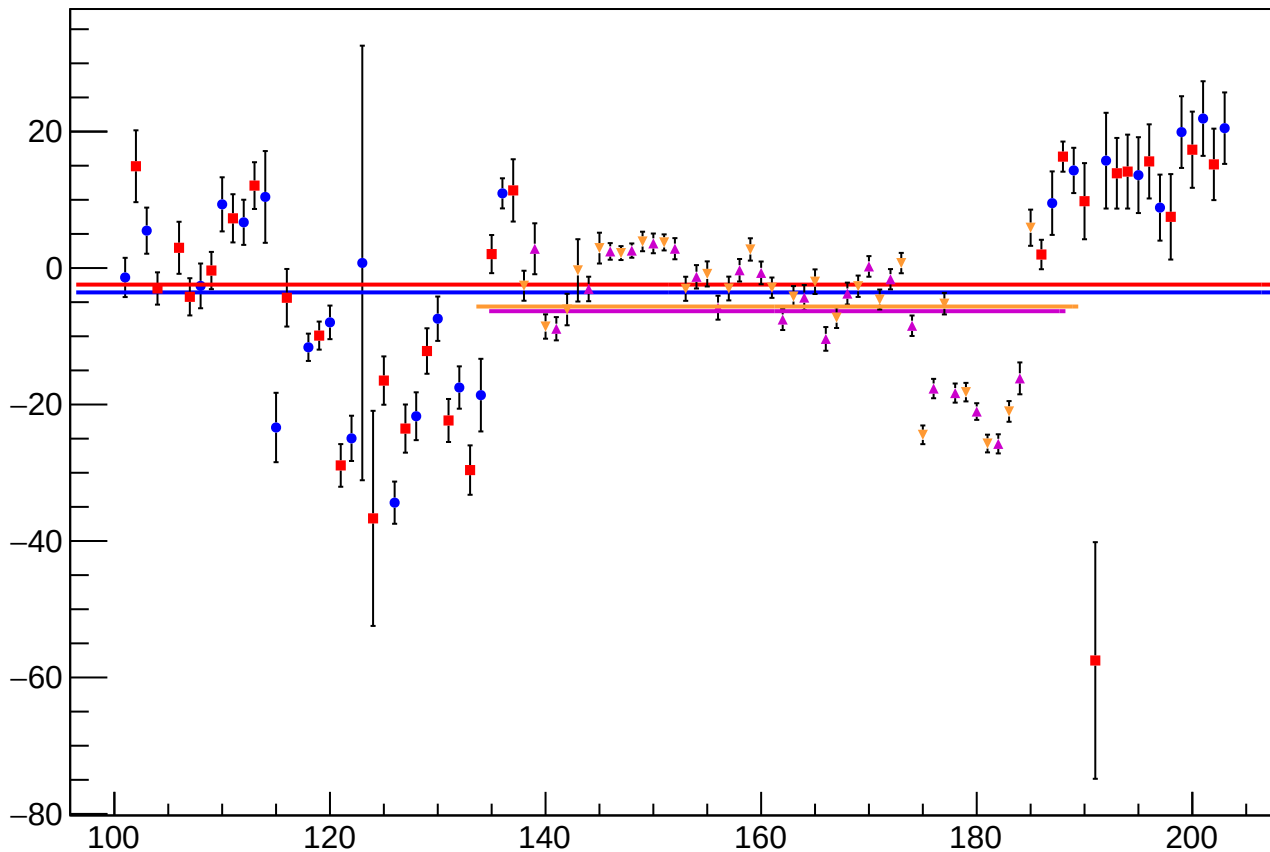
Right: -36.514 ± 0.816 $\chi^2/\text{NDF}: 1026.0/17$

In: 18.961 ± 0.385 $\chi^2/\text{NDF}: 4408.4/30$

Out: 14.011 ± 0.370 $\chi^2/\text{NDF}: 9000.1/34$

All: 16.392 ± 0.267 $\chi^2/\text{NDF}: 13494.4/65$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.569 ± 0.709 $\chi^2/\text{NDF}: 431.0/24$

Left Out: -5.639 ± 0.316 $\chi^2/\text{NDF}: 891.5/24$

Right Out: -2.425 ± 0.649 $\chi^2/\text{NDF}: 445.4/27$

Left In: -6.323 ± 0.320 $\chi^2/\text{NDF}: 784.4/22$

Left: -5.976 ± 0.225 $\chi^2/\text{NDF}: 1678.2/47$

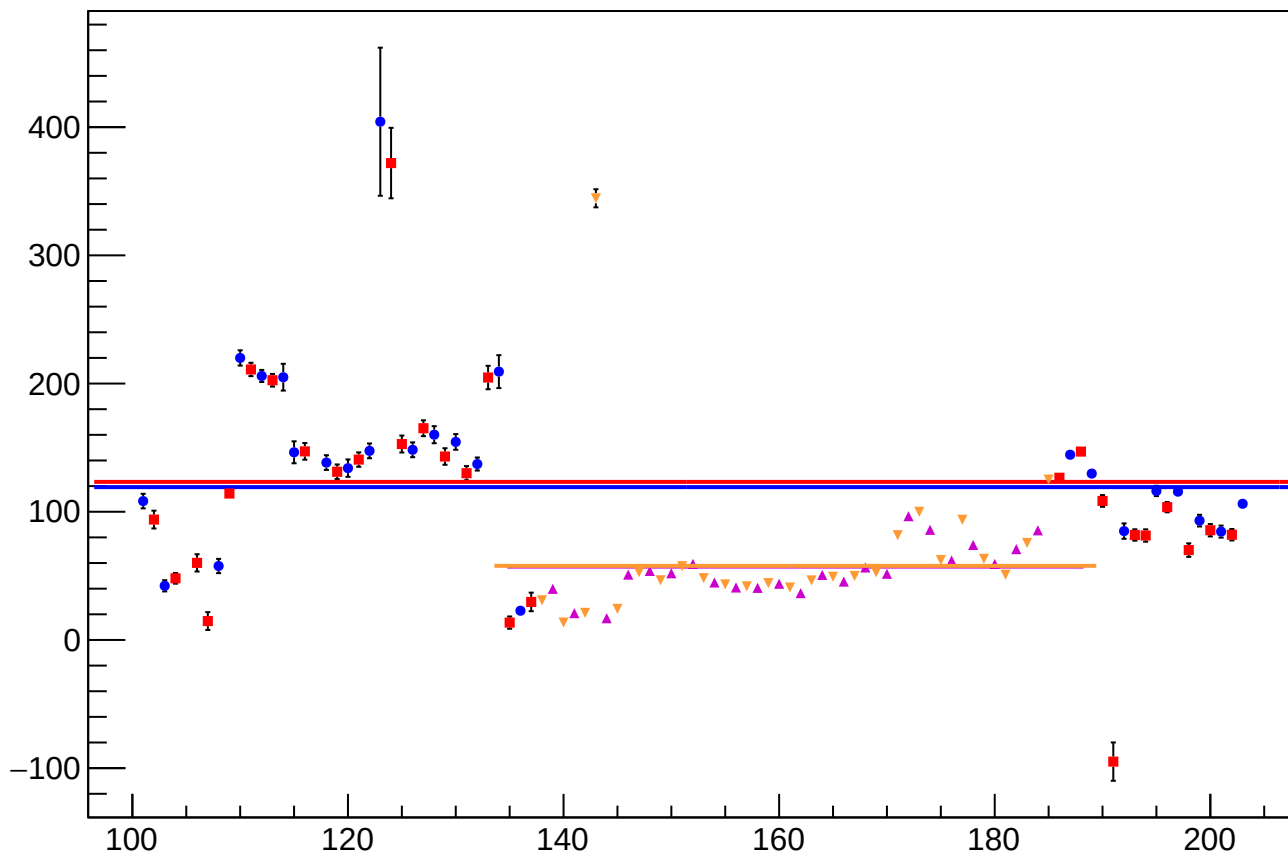
Right: -2.946 ± 0.479 $\chi^2/\text{NDF}: 877.8/52$

In: -5.857 ± 0.292 $\chi^2/\text{NDF}: 1227.9/47$

Out: -5.024 ± 0.284 $\chi^2/\text{NDF}: 1356.7/52$

All: -5.429 ± 0.203 $\chi^2/\text{NDF}: 2588.8/100$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 119.208 $\pm$ 0.925 χ^2 /NDF: 2427.6/24

Left Out: 57.816 $\pm$ 0.398 χ^2 /NDF:4331.5/24

Right Out: 123.302 $\pm$ 0.704 χ^2 /NDF: 3198.4/27

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

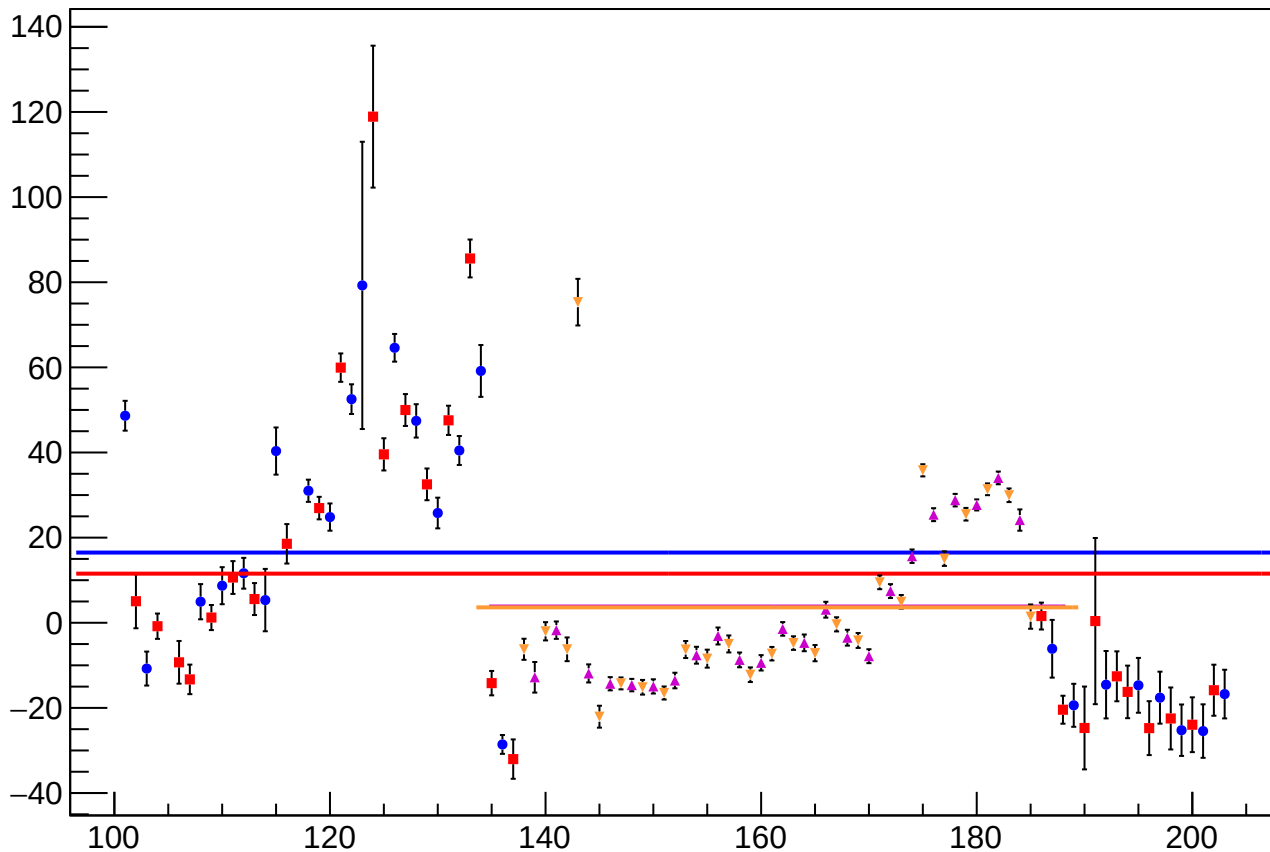
Right: 121.801 $\pm$ 0.560 χ^2 /NDF: 5638.3/52

In: 66.907 $\pm$ 0.366 χ^2 /NDF:8075.1/47

Out: 73.682 $\pm$ 0.346 χ^2 /NDF:14088.5/52

All: 70.477 $\pm$ 0.251 χ^2 /NDF: 22344.5/100

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.493 $\pm$ 0.823 χ^2 /NDF: 1371.0/24

Left Out: 3.615 $\pm$ 0.357 χ^2 /NDF:2501.2/24

Right Out: 11.540 $\pm$ 0.774 χ^2 /NDF: 1400.1/27

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

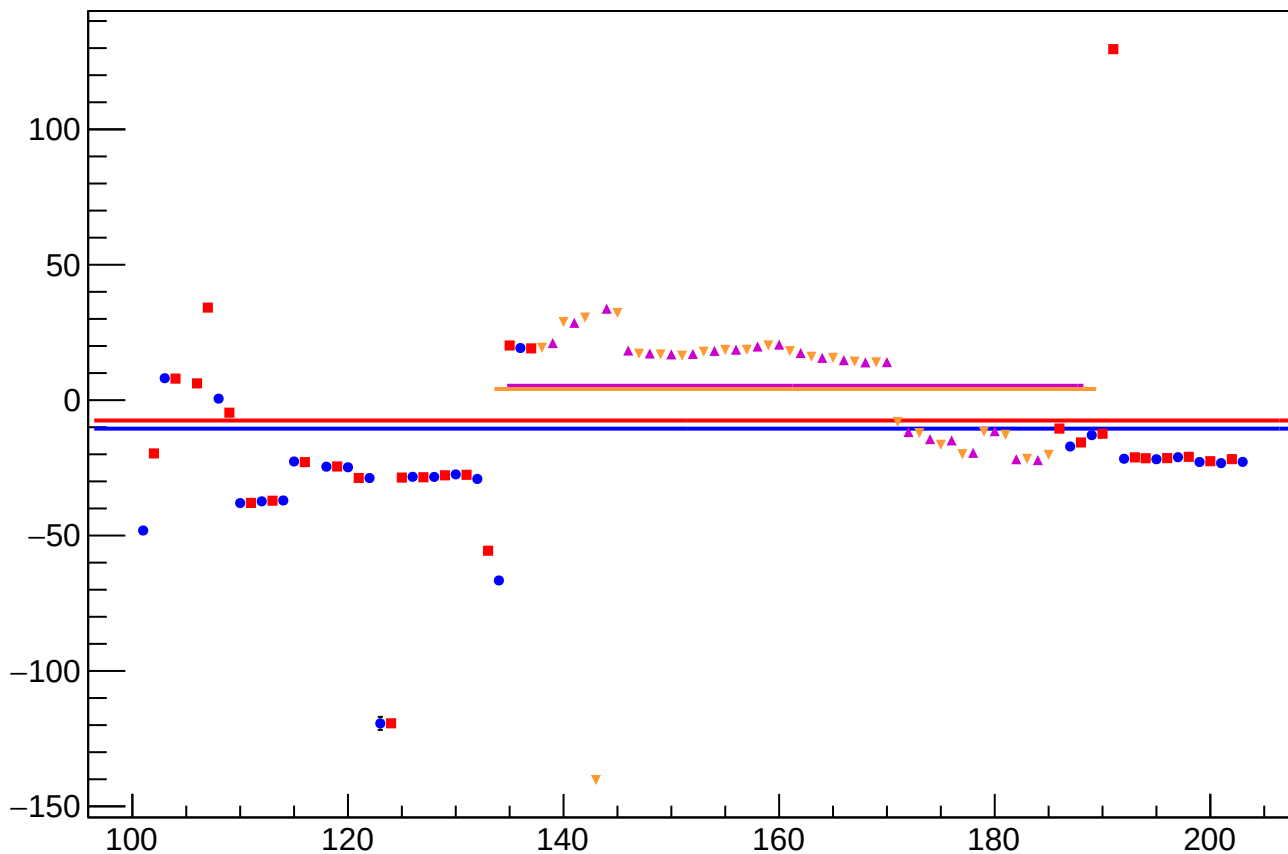
Right: 13.863 $\pm$ 0.564 χ^2 /NDF: 2790.3/52

In: 5.855 $\pm$ 0.330 χ^2 /NDF:3773.6/47

Out: 5.005 $\pm$ 0.324 χ^2 /NDF:3987.8/52

All: 5.421 $\pm$ 0.231 χ^2 /NDF: 7764.8/100

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -10.521 ± 0.039 χ^2/NDF : 295261.1/24

Left Out: 4.121 ± 0.016 χ^2/NDF : 1340176.5/24

Right Out: -7.518 ± 0.037 χ^2/NDF : 377765.4/27

Left In: 5.305 ± 0.016 χ^2/NDF : 1089610.2/22

Left: 4.714 ± 0.012 χ^2/NDF : 2432407.5/47

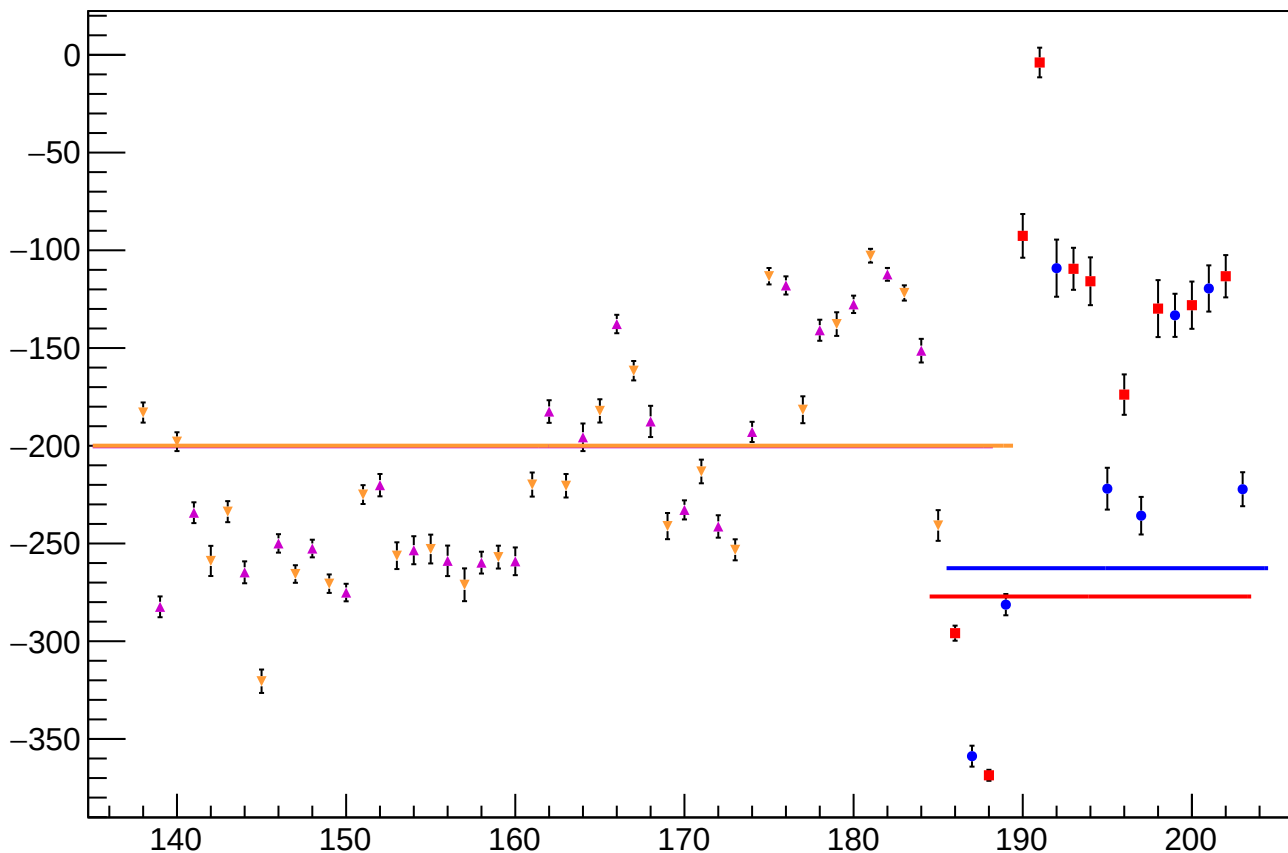
Right: -8.942 ± 0.027 χ^2/NDF : 676107.3/52

In: 2.962 ± 0.015 χ^2/NDF : 1523527.1/47

Out: 2.239 ± 0.015 χ^2/NDF : 1799713.9/52

All: 2.598 ± 0.011 χ^2/NDF : 3324398.4/100

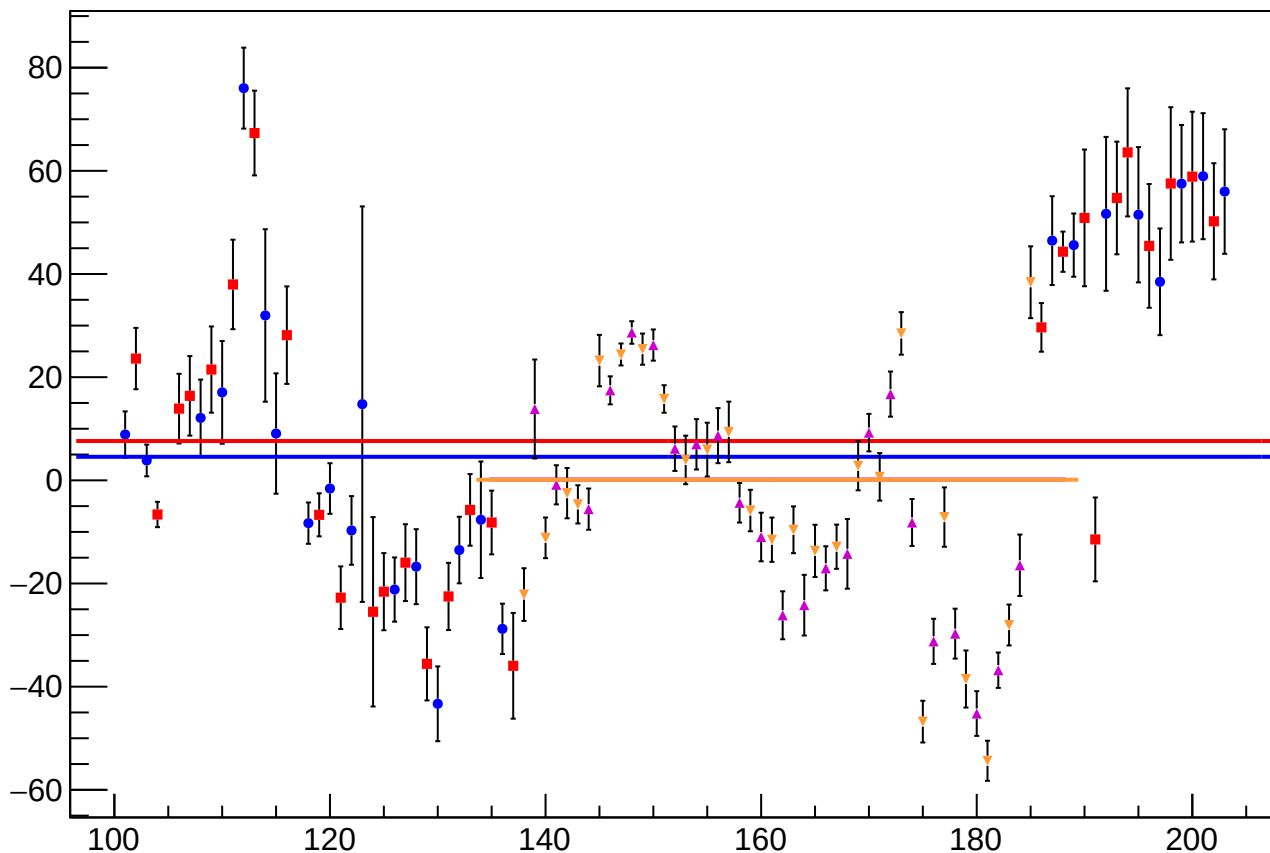
reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -262.630 ± 2.869 $\chi^2/\text{NDF}: 772.2/7$
 Left Out: -199.957 ± 1.082 $\chi^2/\text{NDF}: 3220.5/24$
 Right Out: -277.119 ± 1.947 $\chi^2/\text{NDF}: 3650.9/9$
 Left In: -200.276 ± 1.093 $\chi^2/\text{NDF}: 3013.8/22$

Left: -200.115 ± 0.769 $\chi^2/\text{NDF}: 6234.3/47$
 Right: -272.552 ± 1.611 $\chi^2/\text{NDF}: 4440.5/17$
 In: -208.184 ± 1.022 $\chi^2/\text{NDF}: 4198.4/30$
 Out: -218.157 ± 0.945 $\chi^2/\text{NDF}: 8072.0/34$
 All: -213.557 ± 0.694 $\chi^2/\text{NDF}: 12321.7/65$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.561 ± 1.341 χ^2/NDF : 392.6/24

Left Out: 0.116 ± 0.810 χ^2/NDF : 830.1/24

Right Out: 7.623 ± 1.211 χ^2/NDF : 485.4/27

Left In: 0.153 ± 0.836 χ^2/NDF : 719.6/22

Left: 0.134 ± 0.582 χ^2/NDF : 1549.7/47

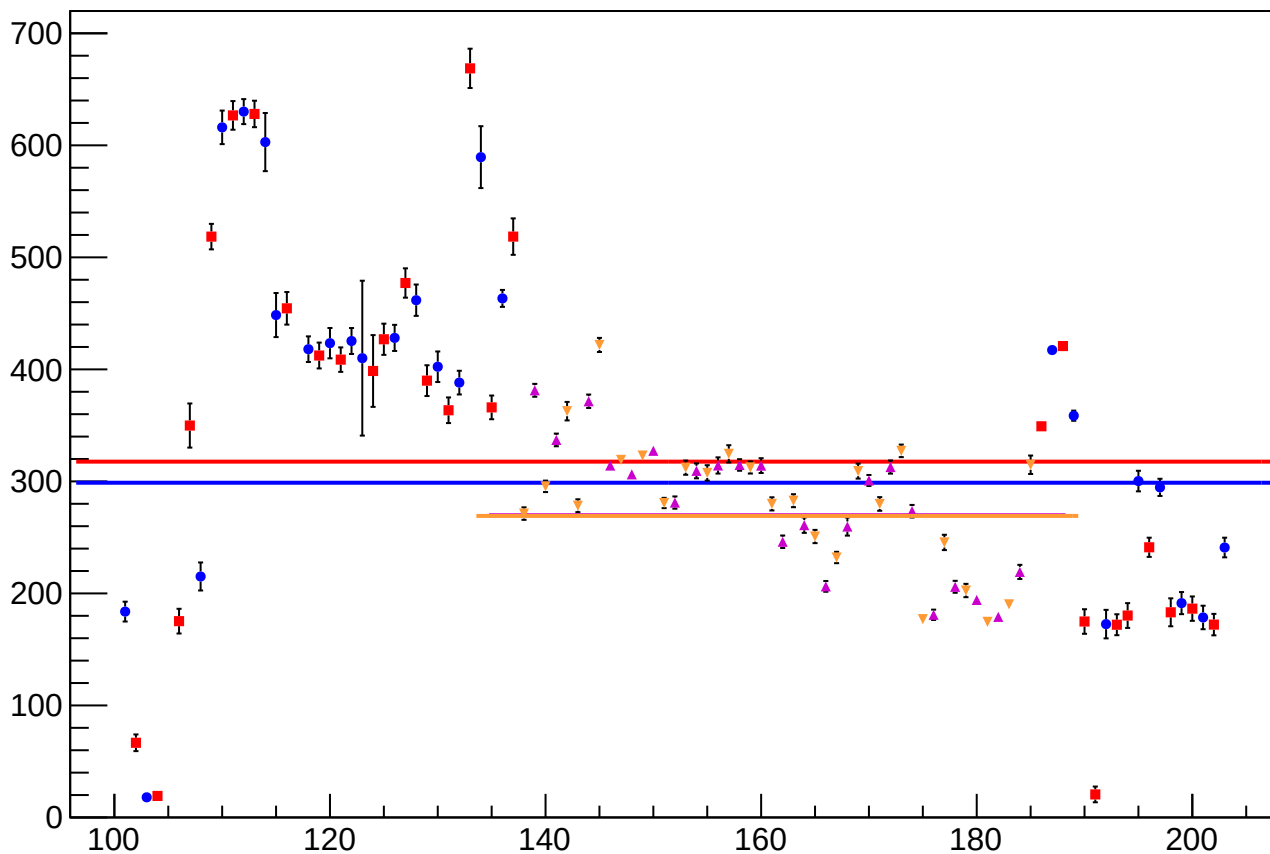
Right: 6.247 ± 0.899 χ^2/NDF : 880.9/52

In: 1.388 ± 0.709 χ^2/NDF : 1120.0/47

Out: 2.438 ± 0.674 χ^2/NDF : 1342.1/52

All: 1.940 ± 0.488 χ^2/NDF : 2463.2/100

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 298.799 $\pm$ 1.740 χ^2 /NDF: 9122.1/24

Left Out: 269.181 $\pm$ 1.081 χ^2 /NDF:3148.5/24

Right Out: 317.635 $\pm$ 1.344 χ^2 /NDF: 13783.5/27

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

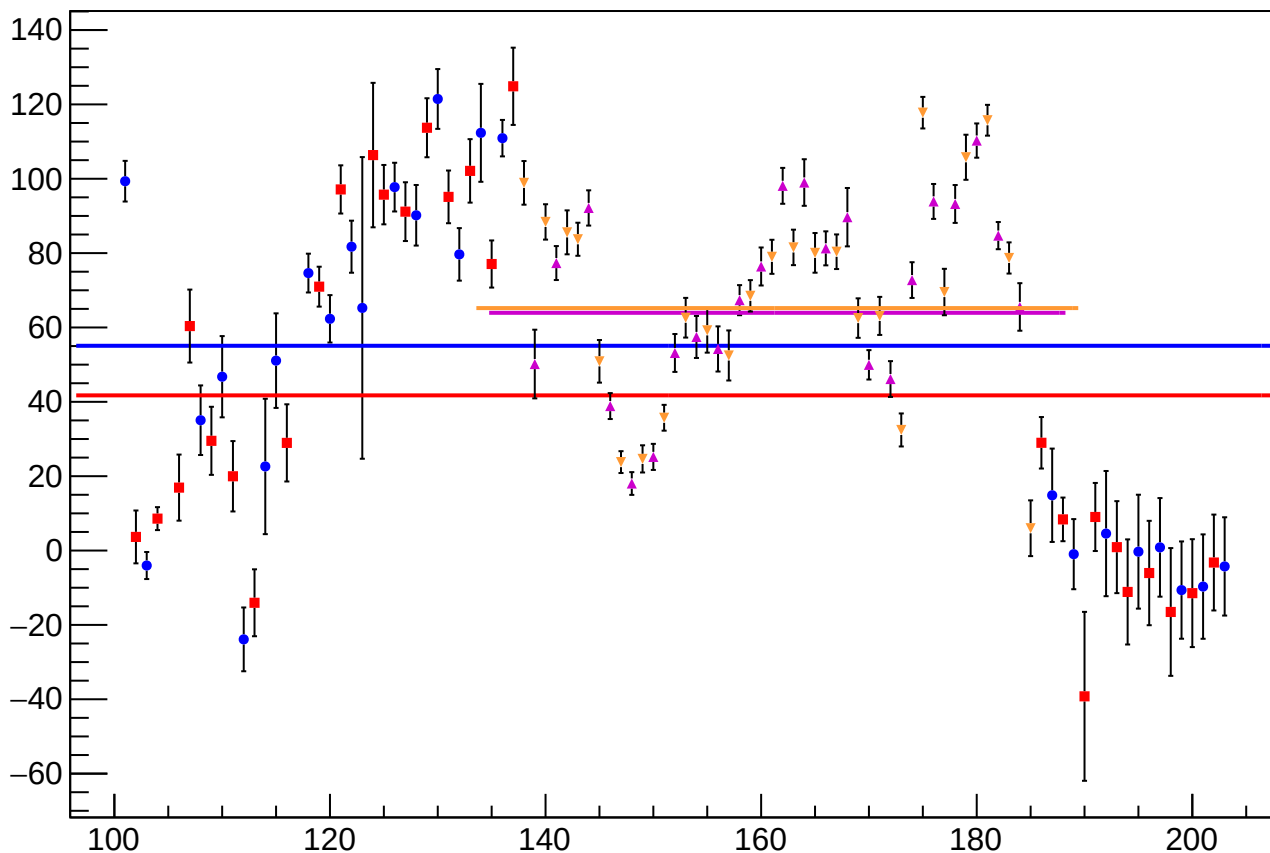
Right: 310.596 $\pm$ 1.063 χ^2 /NDF: 22979.0/52

In: 277.942 $\pm$ 0.922 χ^2 /NDF:12556.9/47

Out: 288.215 $\pm$ 0.842 χ^2 /NDF:17721.4/52

All: 283.541 $\pm$ 0.622 χ^2 /NDF: 30346.0/100

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 55.076 $\pm$ 1.576 χ^2 /NDF: 893.3/24

Left Out: 65.214 $\pm$ 0.938 χ^2 /NDF:1005.7/24

Right Out: 41.737 $\pm$ 1.469 χ^2 /NDF: 819.9/27

Left In: 63.944 $\pm$ 0.961 χ^2 /NDF:803.4/22

Left: 64.594 $\pm$ 0.671 χ^2 /NDF: 1809.9/47

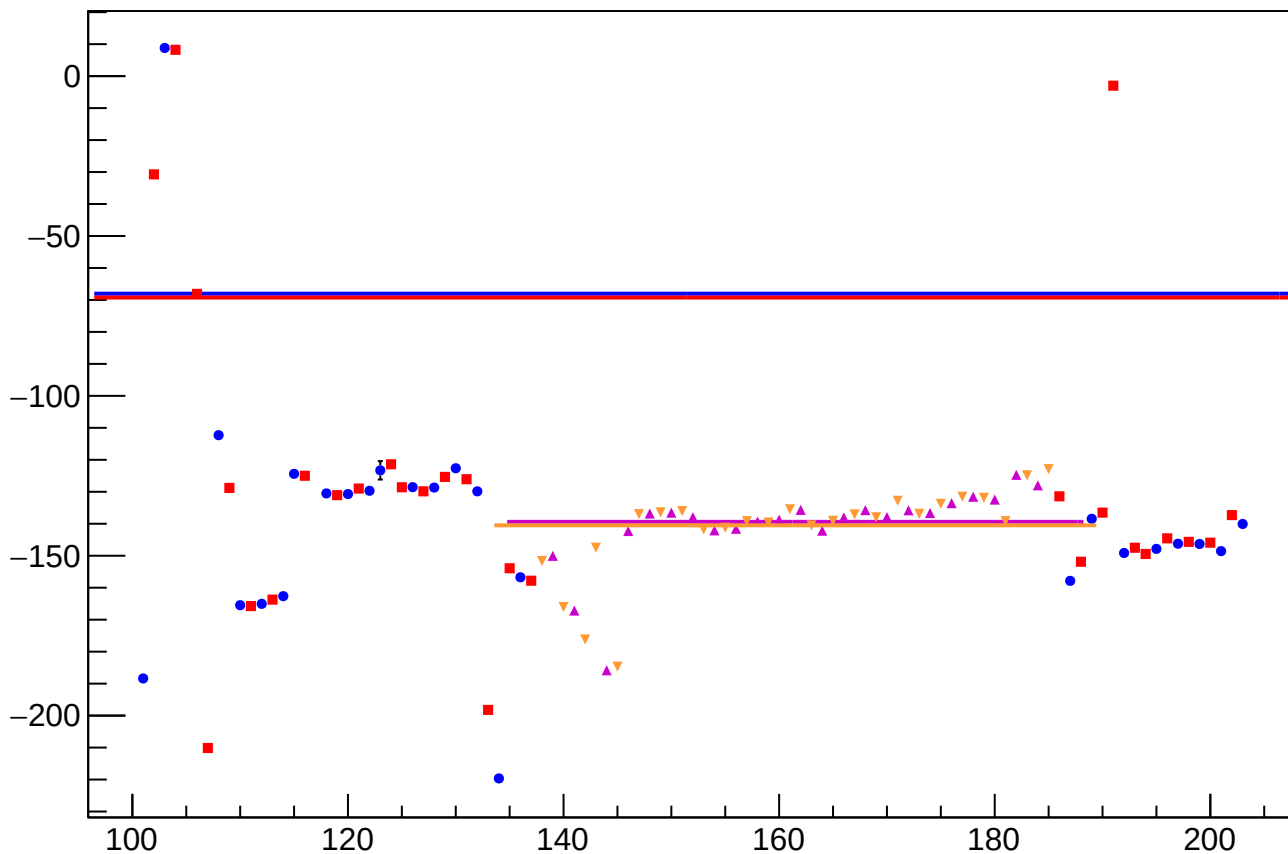
Right: 47.939 $\pm$ 1.074 χ^2 /NDF: 1751.6/52

In: 61.541 $\pm$ 0.820 χ^2 /NDF:1719.8/47

Out: 58.411 $\pm$ 0.791 χ^2 /NDF:2007.1/52

All: 59.918 $\pm$ 0.569 χ^2 /NDF: 3734.4/100

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -68.040 ± 0.065 $\chi^2/\text{NDF}: 1501722.1/24$

Left Out: -140.489 ± 0.045 $\chi^2/\text{NDF}: 77350.7/24$

Right Out: -69.253 ± 0.062 $\chi^2/\text{NDF}: 1355435.7/27$

Left In: -139.406 ± 0.045 $\chi^2/\text{NDF}: 62878.4/22$

Left: -139.949 ± 0.032 $\chi^2/\text{NDF}: 140521.6/47$

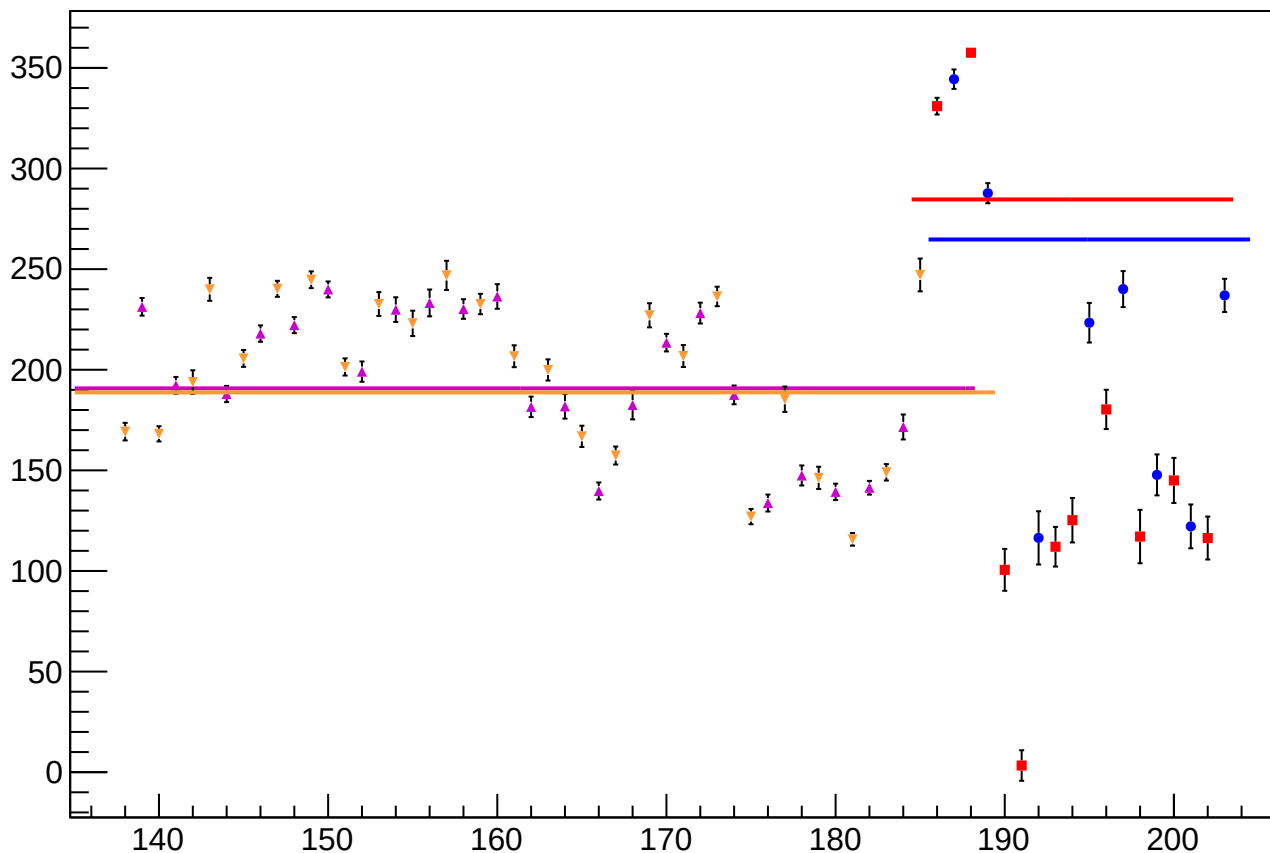
Right: -68.669 ± 0.045 $\chi^2/\text{NDF}: 2857341.0/52$

In: -116.171 ± 0.037 $\chi^2/\text{NDF}: 2389410.4/47$

Out: -116.207 ± 0.036 $\chi^2/\text{NDF}: 2298805.4/52$

All: -116.189 ± 0.026 $\chi^2/\text{NDF}: 4688216.3/100$

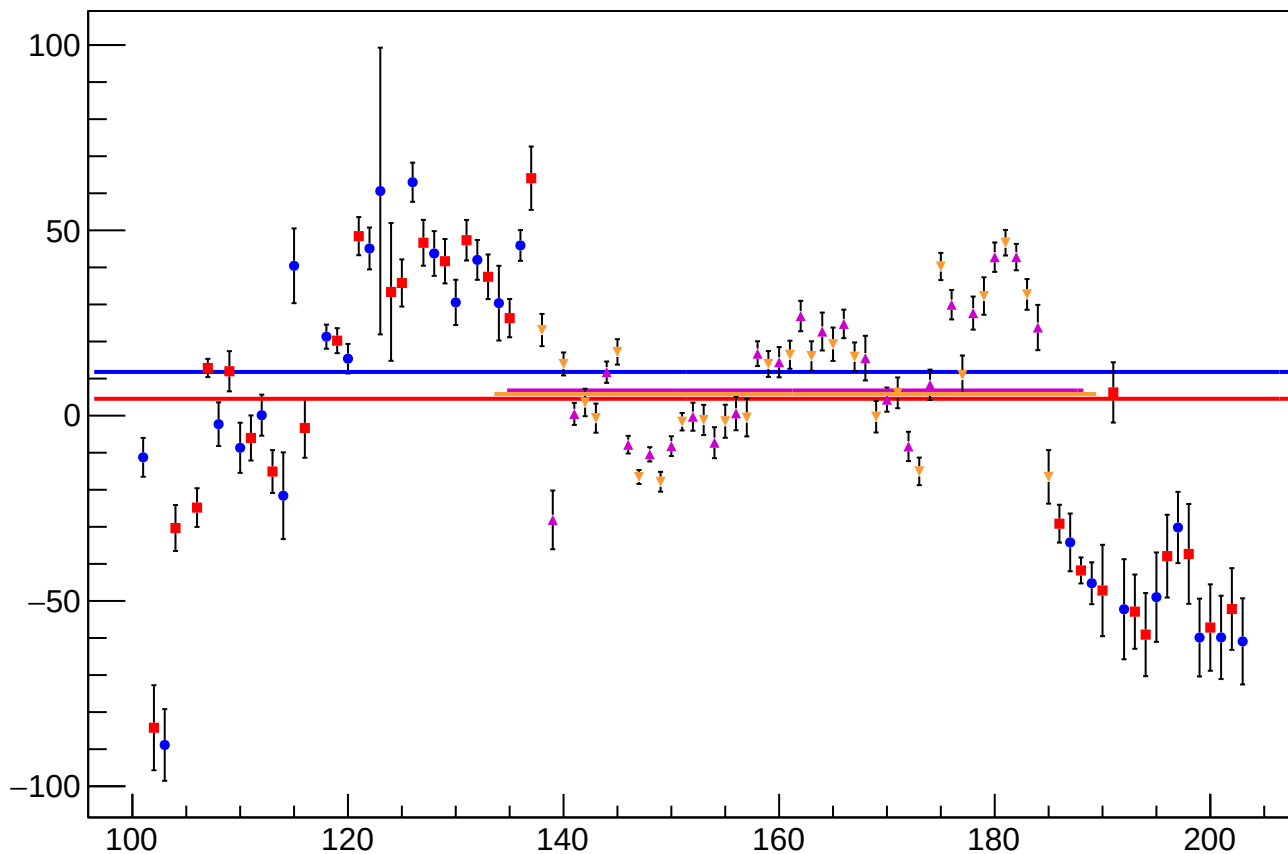
reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 264.745 $\pm$ 2.635 χ^2 /NDF: 758.0/7
 Left Out: 188.749 $\pm$ 0.958 χ^2 /NDF:1968.6/24
 Right Out: 284.639 $\pm$ 1.840 χ^2 /NDF: 3851.1/9
 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: 278.116 $\pm$ 1.509 χ^2 /NDF: 4647.4/17
 In: 199.600 $\pm$ 0.911 χ^2 /NDF:2874.0/30
 Out: 209.195 $\pm$ 0.850 χ^2 /NDF:7955.6/34
 All: 204.731 $\pm$ 0.621 χ^2 /NDF: 10889.0/65

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.793 ± 1.265 $\chi^2/\text{NDF}: 773.4/24$

Left Out: 5.851 ± 0.714 $\chi^2/\text{NDF}: 650.6/24$

Right Out: 4.551 ± 1.085 $\chi^2/\text{NDF}: 894.6/27$

Left In: 6.797 ± 0.735 $\chi^2/\text{NDF}: 525.8/22$

Left: 6.311 ± 0.512 $\chi^2/\text{NDF}: 1177.3/47$

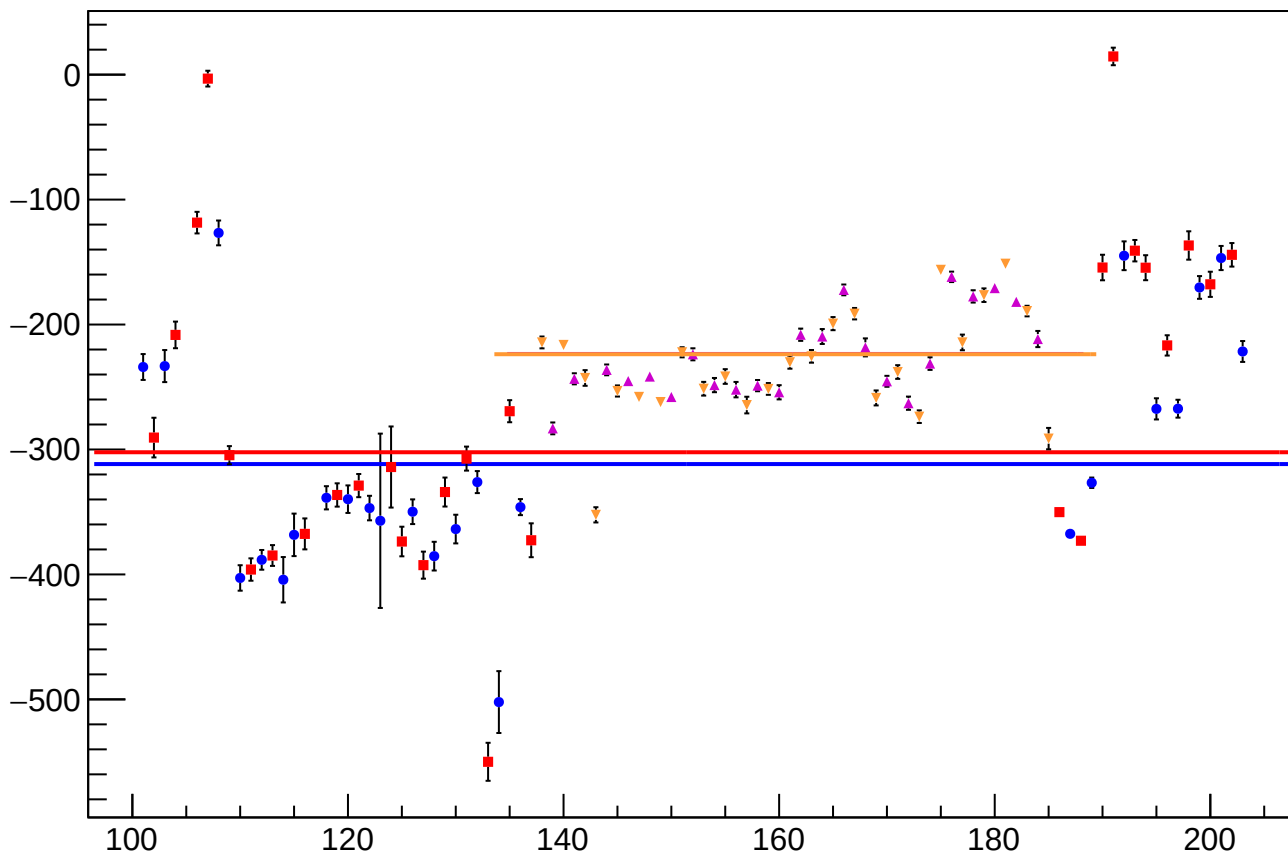
Right: 7.622 ± 0.824 $\chi^2/\text{NDF}: 1686.8/52$

In: 8.058 ± 0.635 $\chi^2/\text{NDF}: 1310.9/47$

Out: 5.458 ± 0.597 $\chi^2/\text{NDF}: 1546.2/52$

All: 6.677 ± 0.435 $\chi^2/\text{NDF}: 2866.0/100$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -311.671+/-1.686 χ^2/NDF : 1982.0/24

Left Out: -223.752+/-0.958 χ^2/NDF : 2021.5/24

Right Out: -302.214+/-1.270 χ^2/NDF : 8496.1/27

Left In: -223.554+/-0.966 χ^2/NDF : 1286.5/22

Left: -223.654+/-0.680 χ^2/NDF : 3308.0/47

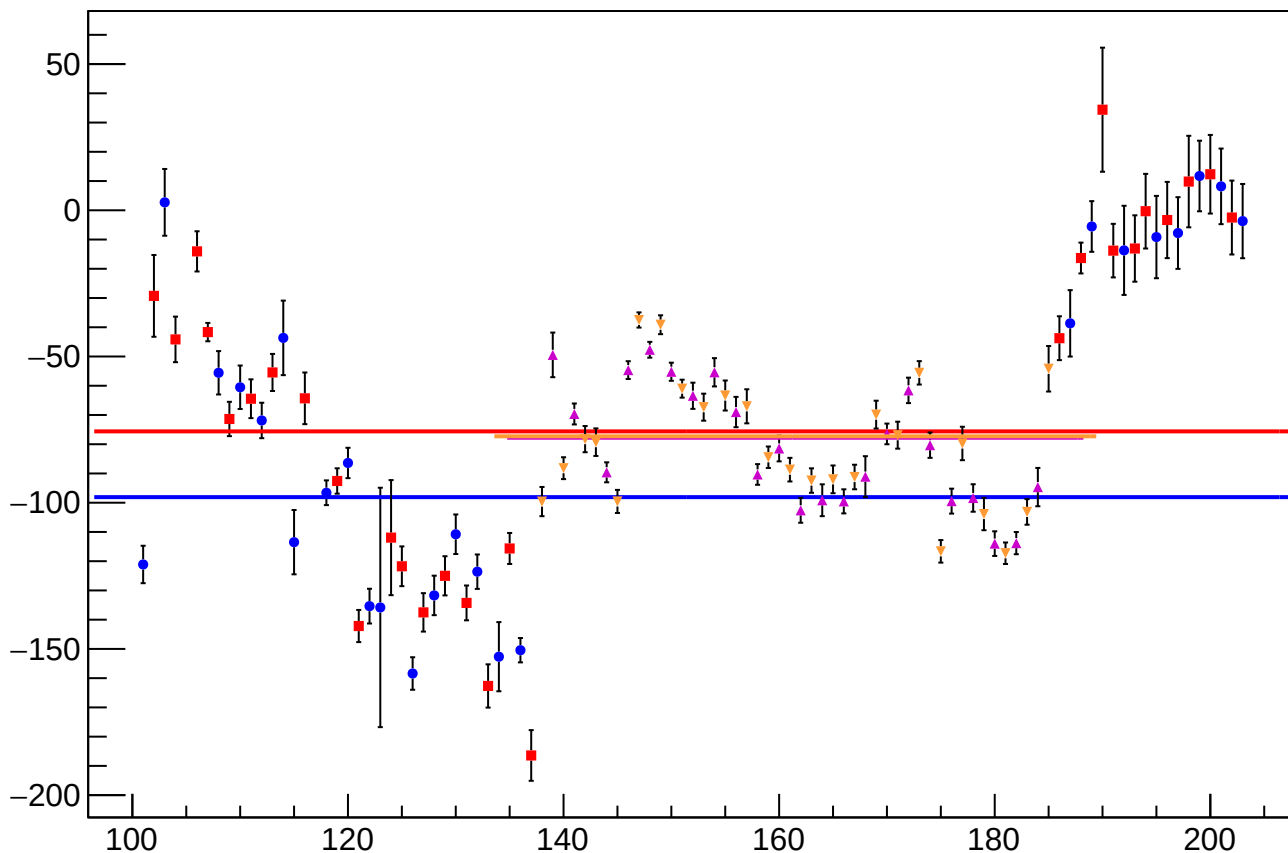
Right: -305.638+/-1.015 χ^2/NDF : 10498.1/52

In: -245.311+/-0.838 χ^2/NDF : 5324.7/47

Out: -252.199+/-0.765 χ^2/NDF : 12949.8/52

All: -249.068+/-0.565 χ^2/NDF : 18311.4/100

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -98.094 ± 1.478 $\chi^2/\text{NDF}: 1049.8/24$

Left Out: -77.296 ± 0.829 $\chi^2/\text{NDF}: 844.6/24$

Right Out: -75.609 ± 1.303 $\chi^2/\text{NDF}: 1469.3/27$

Left In: -77.777 ± 0.847 $\chi^2/\text{NDF}: 624.5/22$

Left: -77.531 ± 0.592 $\chi^2/\text{NDF}: 1469.2/47$

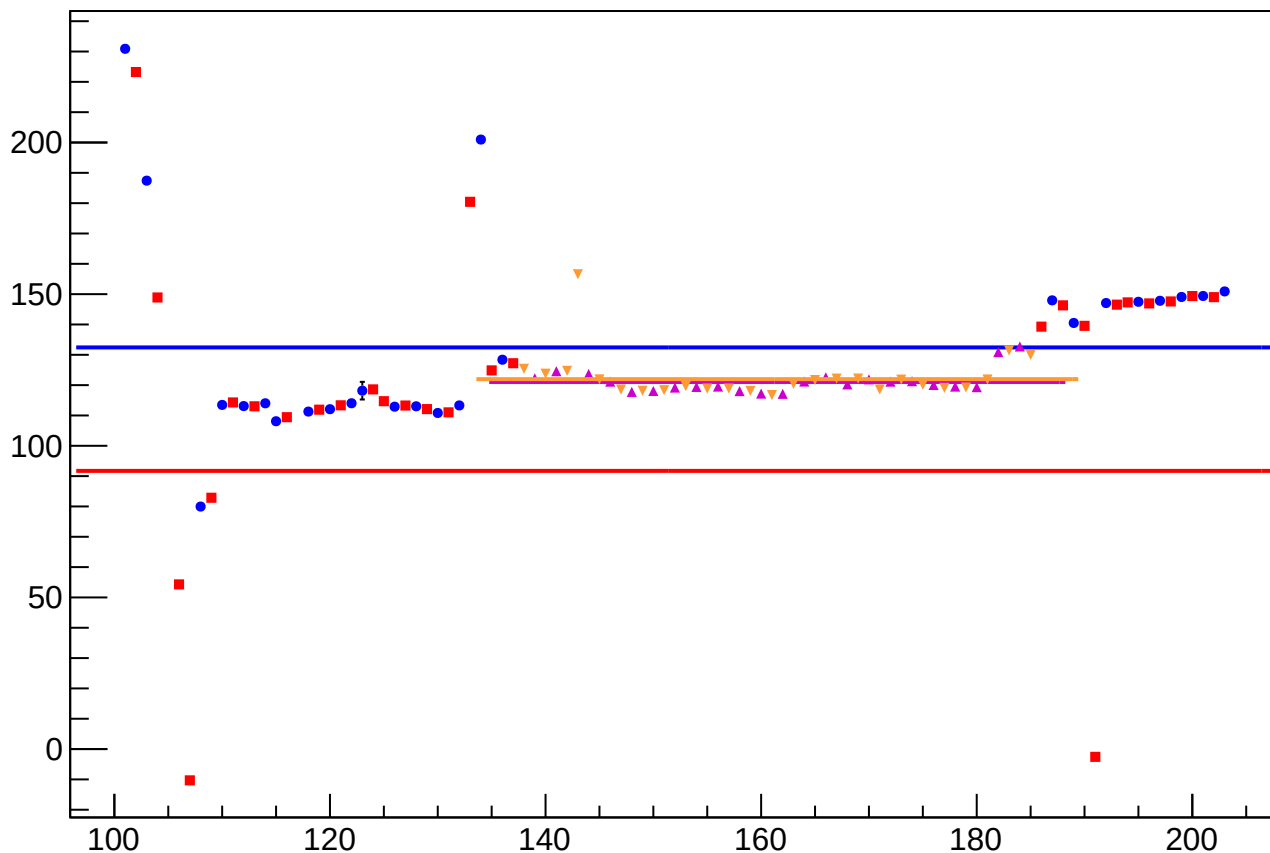
Right: -85.447 ± 0.977 $\chi^2/\text{NDF}: 2649.3/52$

In: -82.798 ± 0.735 $\chi^2/\text{NDF}: 1816.6/47$

Out: -76.810 ± 0.699 $\chi^2/\text{NDF}: 2315.1/52$

All: -79.657 ± 0.507 $\chi^2/\text{NDF}: 4166.5/100$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 132.434+/-0.077

χ^2/NDF : 201950.1/24

Left Out: 121.972+/-0.039

χ^2/NDF : 27431.1/24

Right Out: 91.731+/-0.063

χ^2/NDF : 1084820.0/27

Left In: 121.045+/-0.040

χ^2/NDF : 7903.5/22

Left: 121.510+/-0.028

χ^2/NDF : 35609.5/47

Right: 108.221+/-0.049

χ^2/NDF : 1454403.0/52

In: 123.440+/-0.035

χ^2/NDF : 227276.5/47

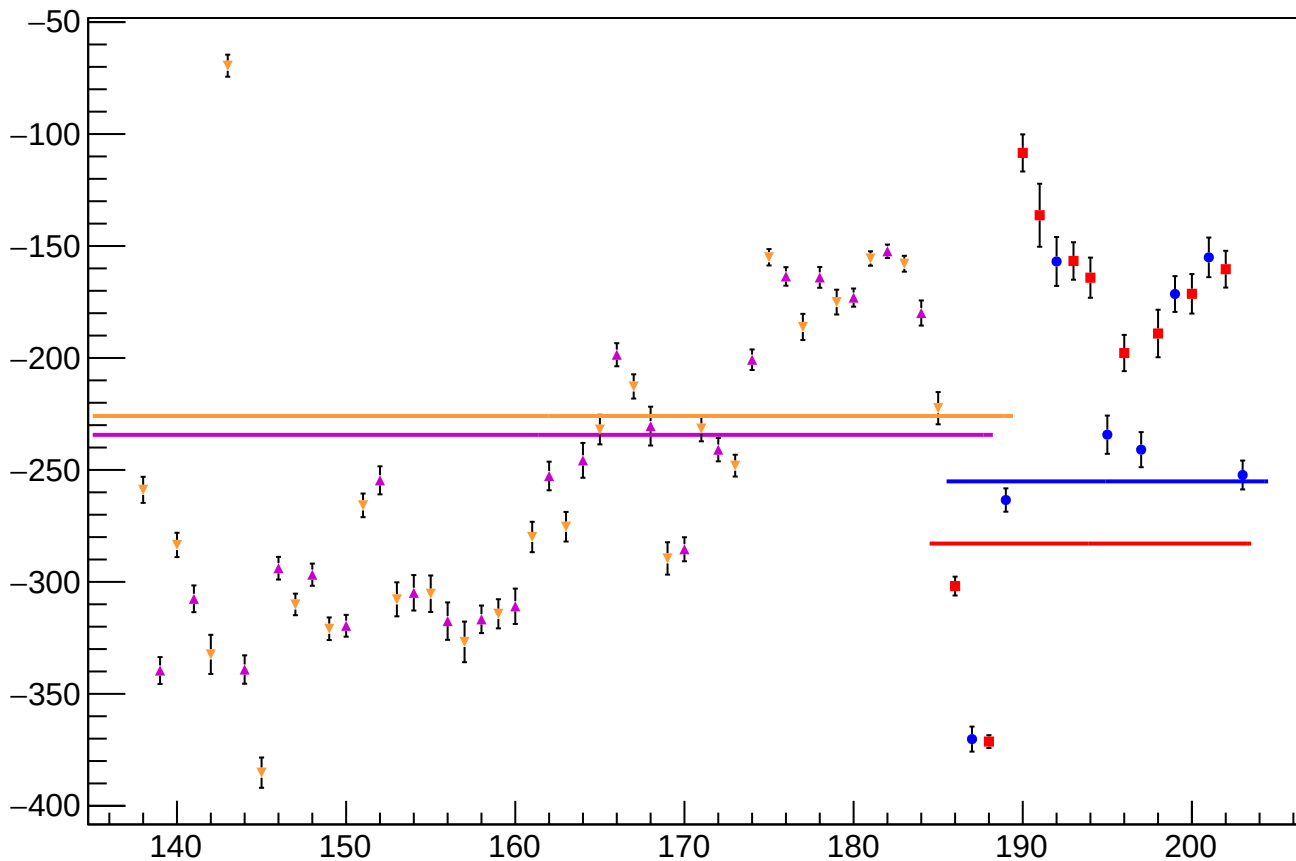
Out: 113.494+/-0.034

χ^2/NDF : 1276625.3/52

All: 118.228+/-0.024

χ^2/NDF : 1545840.8/100

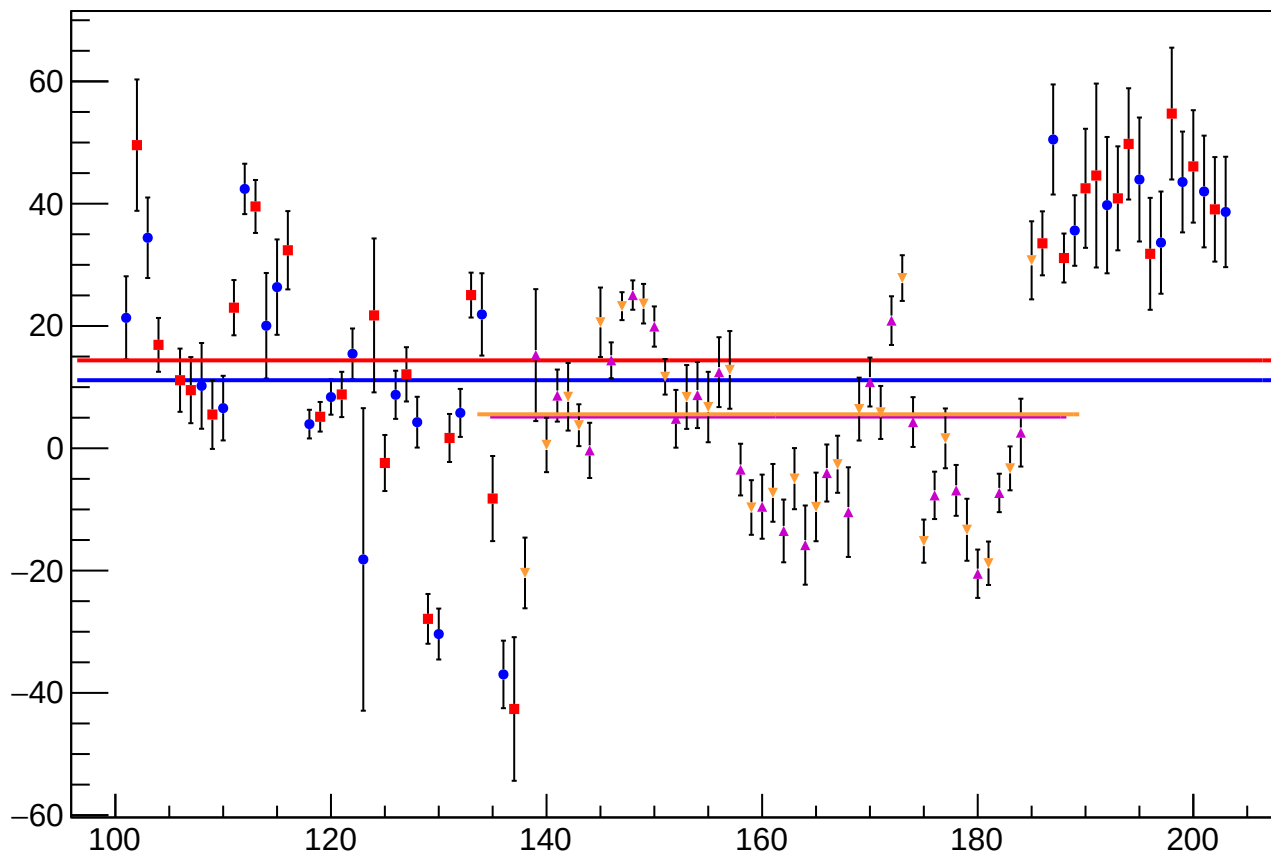
reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -255.113 ± 2.501 $\chi^2/\text{NDF}: 755.3/7$
 Left Out: -225.905 ± 1.083 $\chi^2/\text{NDF}: 4669.2/24$
 Right Out: -282.879 ± 1.898 $\chi^2/\text{NDF}: 2507.0/9$
 Left In: -234.328 ± 1.104 $\chi^2/\text{NDF}: 3591.9/22$

Left: -230.037 ± 0.773 $\chi^2/\text{NDF}: 8290.7/47$
 Right: -272.735 ± 1.512 $\chi^2/\text{NDF}: 3340.5/17$
 In: -237.719 ± 1.010 $\chi^2/\text{NDF}: 4405.0/30$
 Out: -239.911 ± 0.941 $\chi^2/\text{NDF}: 7855.9/34$
 All: -238.893 ± 0.689 $\chi^2/\text{NDF}: 12263.5/65$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.133 ± 1.018 $\chi^2/\text{NDF}: 371.3/24$

Left Out: 5.558 ± 0.832 $\chi^2/\text{NDF}: 313.4/24$

Right Out: 14.379 ± 0.975 $\chi^2/\text{NDF}: 357.7/27$

Left In: 5.186 ± 0.867 $\chi^2/\text{NDF}: 243.2/22$

Left: 5.380 ± 0.600 $\chi^2/\text{NDF}: 556.7/47$

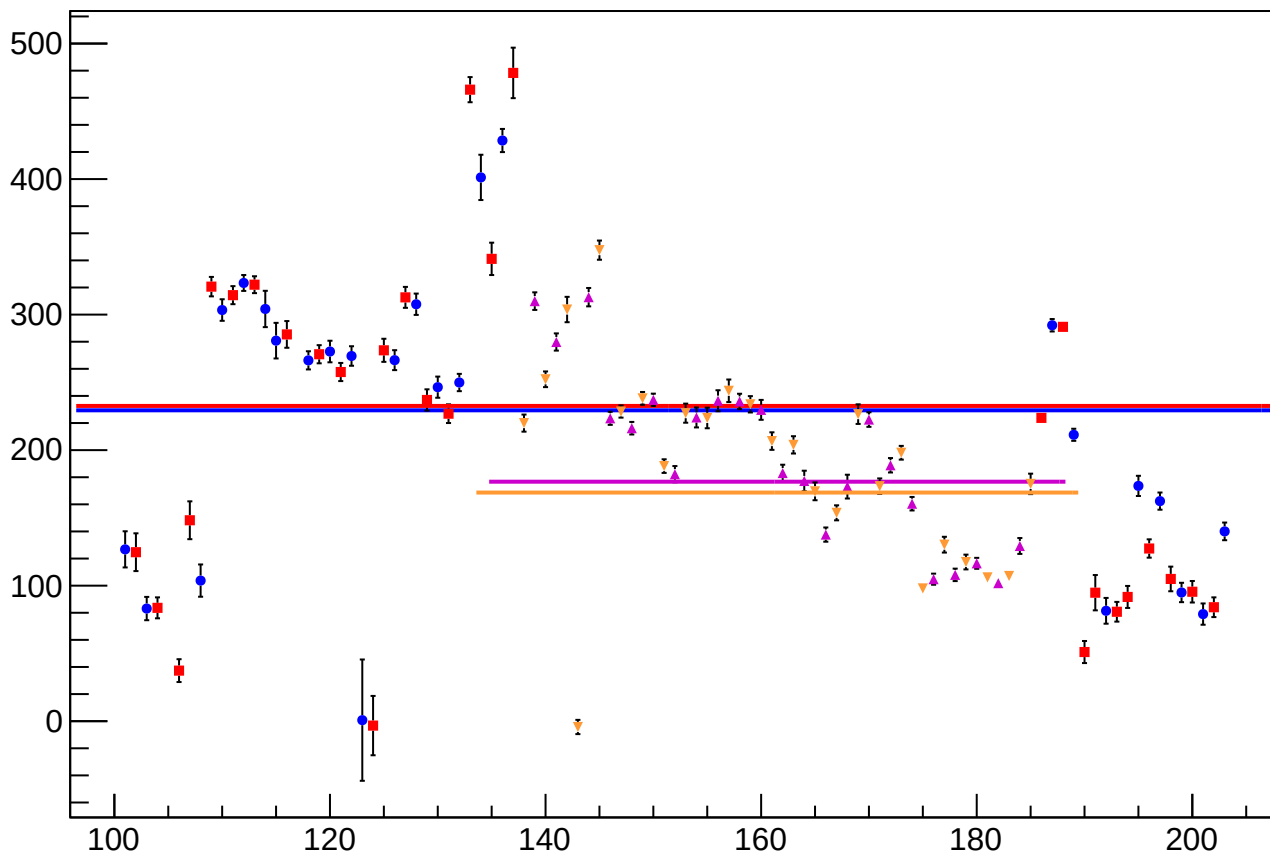
Right: 12.825 ± 0.704 $\chi^2/\text{NDF}: 734.3/52$

In: 7.685 ± 0.660 $\chi^2/\text{NDF}: 634.2/47$

Out: 9.274 ± 0.633 $\chi^2/\text{NDF}: 718.5/52$

All: 8.513 ± 0.457 $\chi^2/\text{NDF}: 1355.8/100$

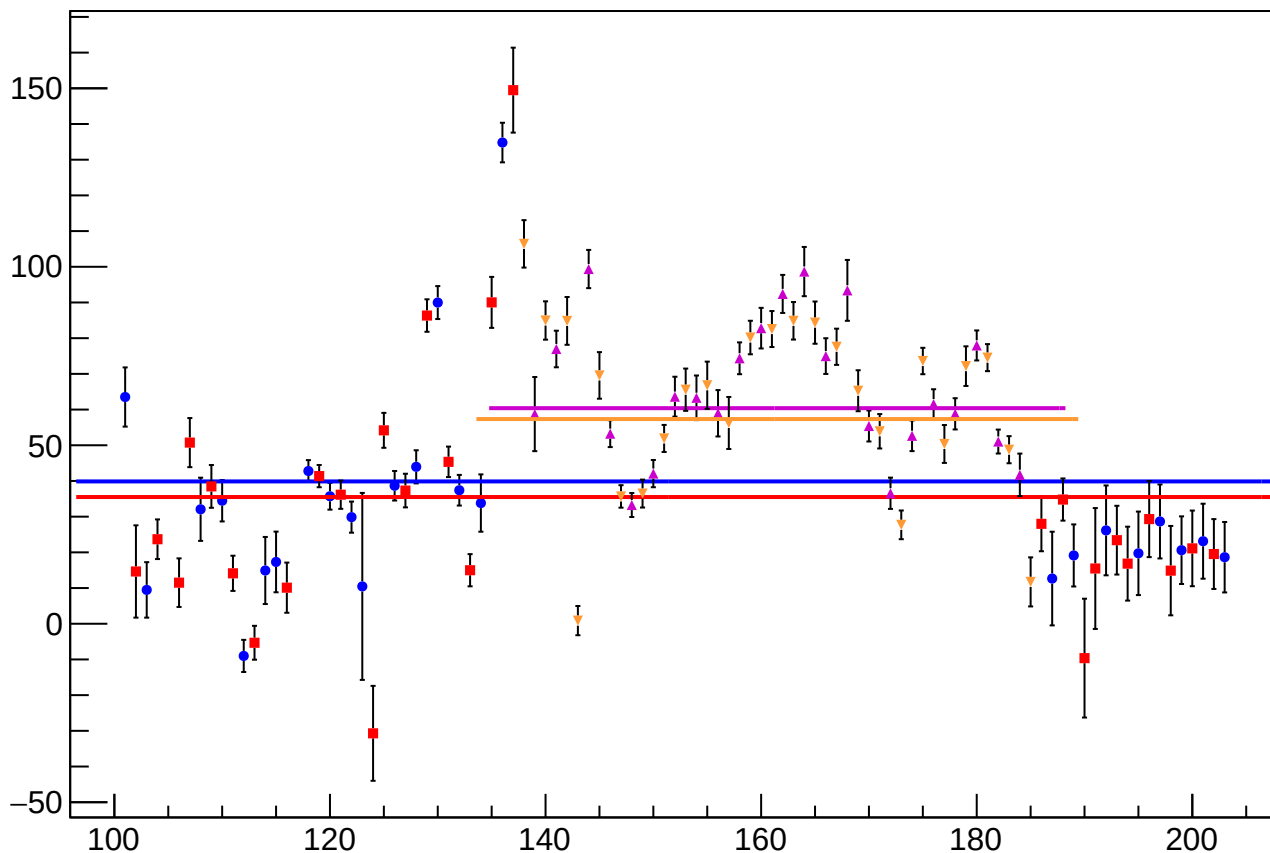
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 229.381+/-1.501 χ^2/NDF : 3275.4/24
 Left Out: 168.699+/-1.086 χ^2/NDF : 4238.2/24
 Right Out: 232.617+/-1.235 χ^2/NDF : 5874.1/27
 Left In: 176.711+/-1.102 χ^2/NDF : 3234.3/22

Left: 172.648+/-0.774 χ^2/NDF : 7499.3/47
 Right: 231.311+/-0.953 χ^2/NDF : 9152.3/52
 In: 195.161+/-0.888 χ^2/NDF : 7310.1/47
 Out: 196.597+/-0.816 χ^2/NDF : 11623.0/52
 All: 195.940+/-0.601 χ^2/NDF : 18934.6/100

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.871 ± 1.189 $\chi^2/\text{NDF}: 605.1/24$

Left Out: 57.343 ± 0.956 $\chi^2/\text{NDF}: 641.5/24$

Right Out: 35.497 ± 1.147 $\chi^2/\text{NDF}: 496.8/27$

Left In: 60.392 ± 0.987 $\chi^2/\text{NDF}: 341.2/22$

Left: 58.819 ± 0.687 $\chi^2/\text{NDF}: 987.6/47$

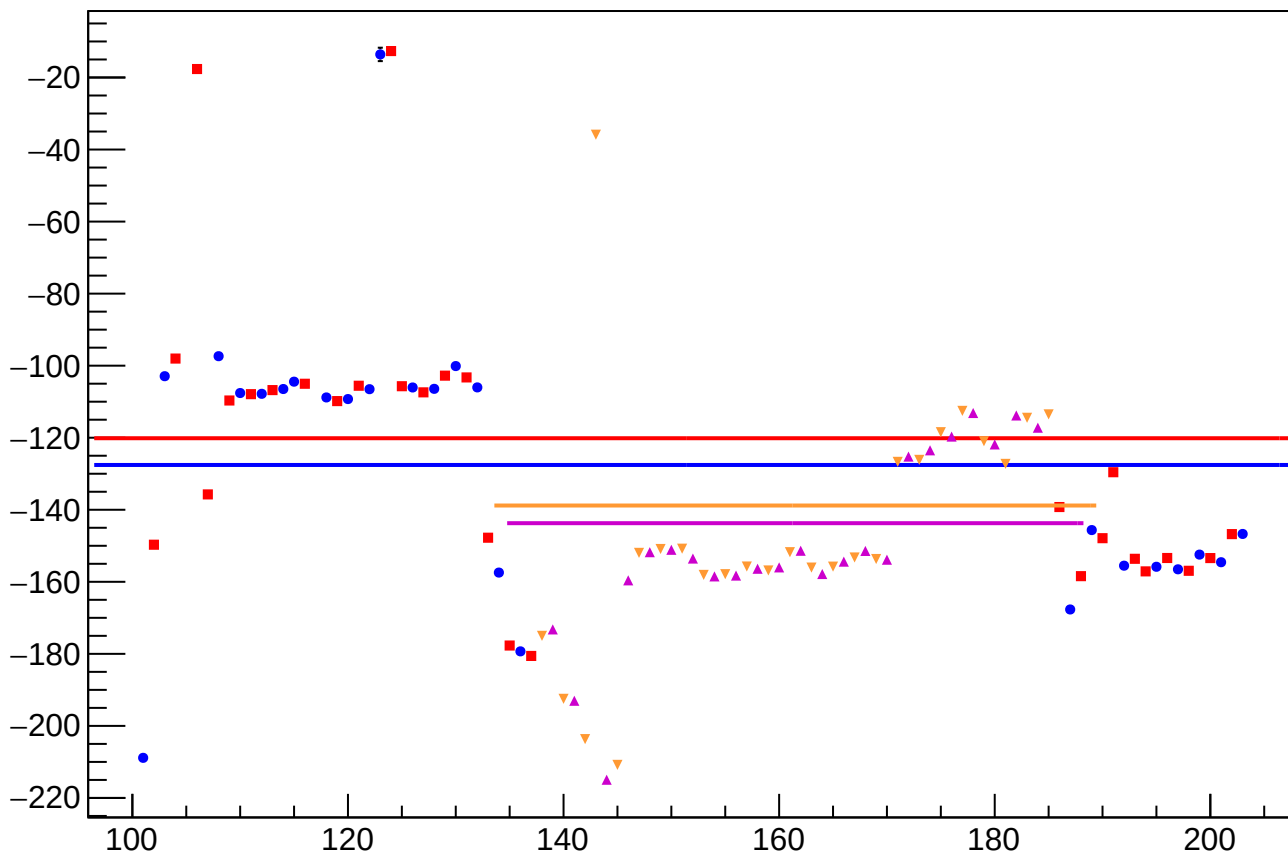
Right: 37.605 ± 0.826 $\chi^2/\text{NDF}: 1108.9/52$

In: 52.022 ± 0.760 $\chi^2/\text{NDF}: 1122.6/47$

Out: 48.385 ± 0.734 $\chi^2/\text{NDF}: 1352.3/52$

All: 50.142 ± 0.528 $\chi^2/\text{NDF}: 2486.7/100$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.565 ± 0.066 $\chi^2/\text{NDF}: 201964.9/24$

Left Out: -138.821 ± 0.045 $\chi^2/\text{NDF}: 525537.6/24$

Right Out: -120.143 ± 0.060 $\chi^2/\text{NDF}: 448657.9/27$

Left In: -143.726 ± 0.046 $\chi^2/\text{NDF}: 260994.5/22$

Left: -141.241 ± 0.032 $\chi^2/\text{NDF}: 792316.4/47$

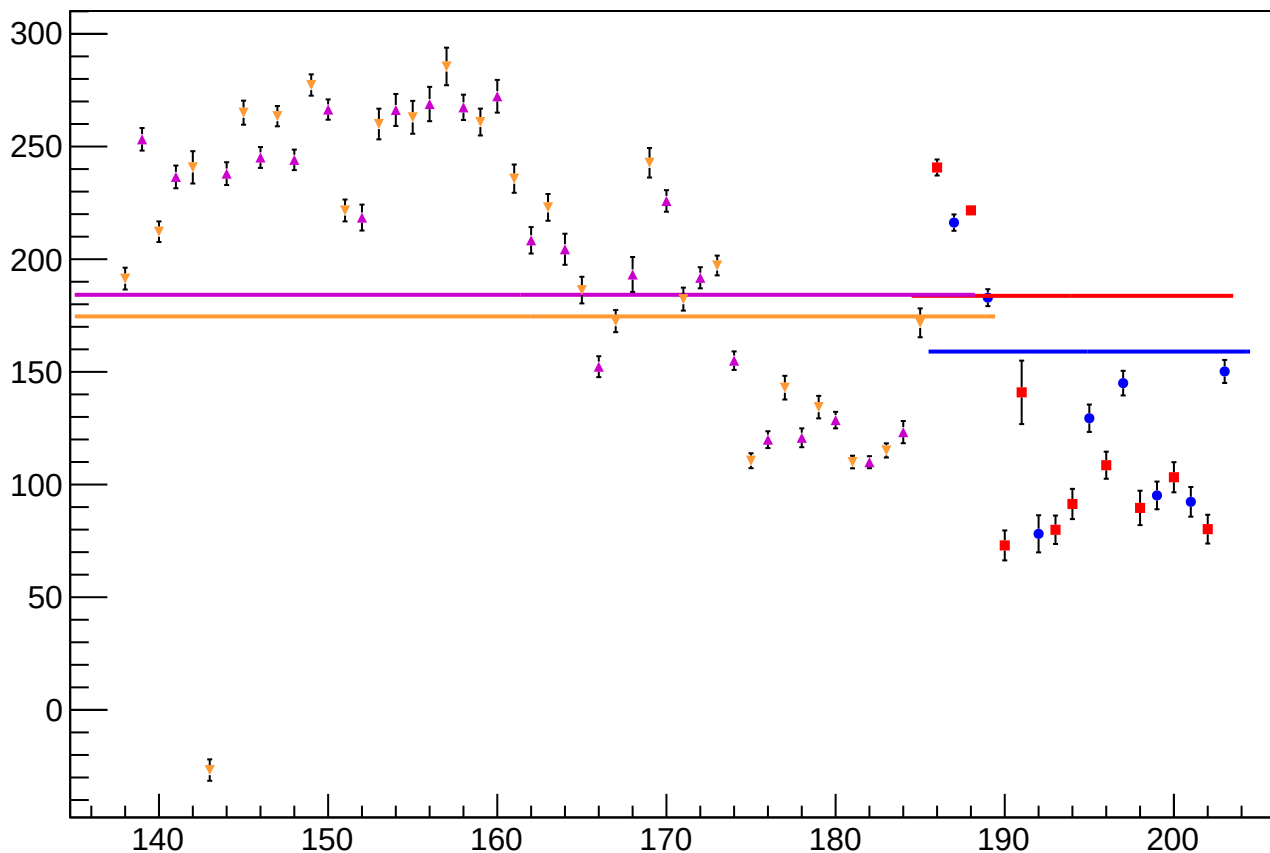
Right: -123.521 ± 0.045 $\chi^2/\text{NDF}: 657506.0/52$

In: -138.460 ± 0.038 $\chi^2/\text{NDF}: 503340.1/47$

Out: -132.090 ± 0.036 $\chi^2/\text{NDF}: 1035457.2/52$

All: -135.149 ± 0.026 $\chi^2/\text{NDF}: 1553644.4/100$

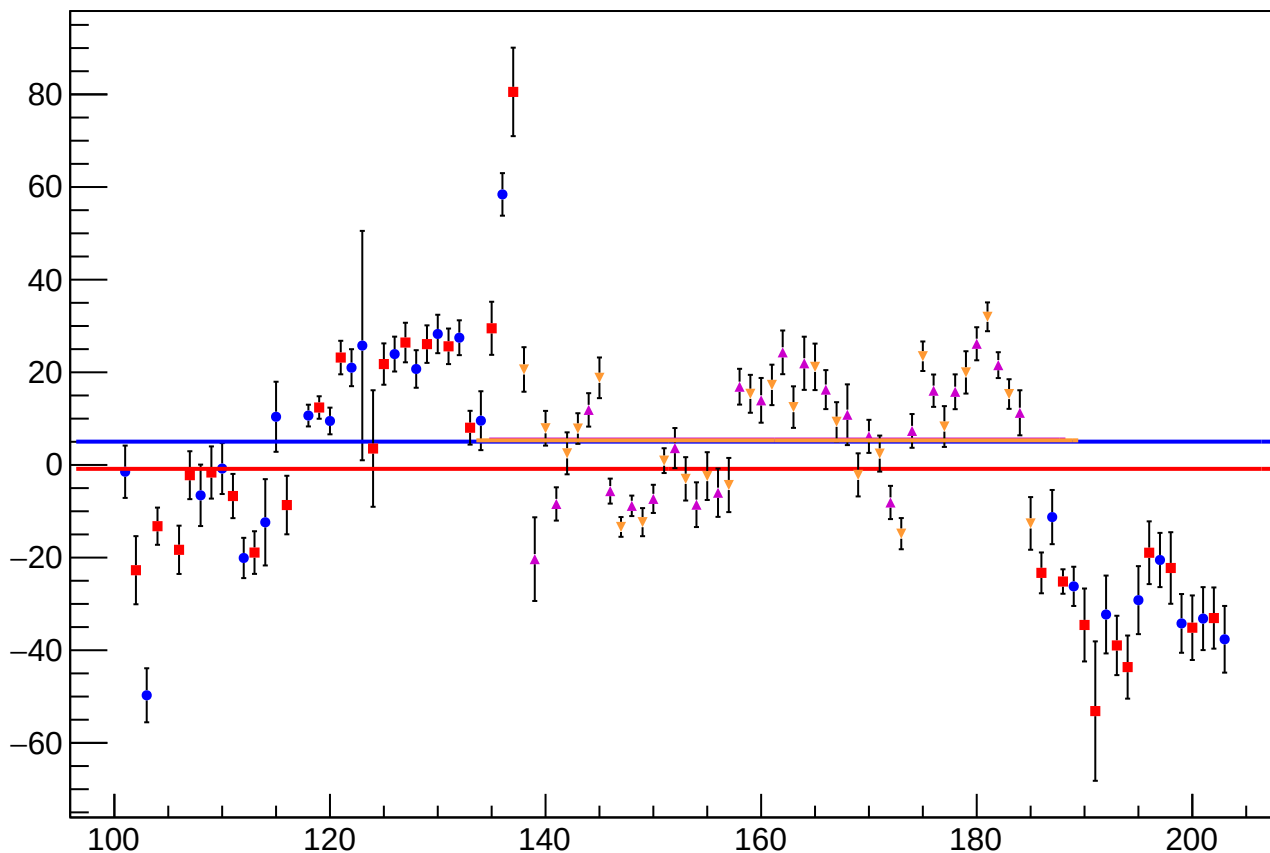
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 159.012 $\pm$ 1.798 χ^2 /NDF: 629.0/7
 Left Out: 174.613 $\pm$ 0.969 χ^2 /NDF:5551.3/24
 Right Out: 183.748 $\pm$ 1.369 χ^2 /NDF: 2132.8/9
 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: 174.669 $\pm$ 1.089 χ^2 /NDF: 2881.6/17
 In: 178.372 $\pm$ 0.865 χ^2 /NDF:4417.0/30
 Out: 177.662 $\pm$ 0.791 χ^2 /NDF:7713.8/34
 All: 177.985 $\pm$ 0.584 χ^2 /NDF: 12131.1/65

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.034 $\pm$ 0.949 χ^2 /NDF: 626.3/24

Left Out: 5.314 $\pm$ 0.750 χ^2 /NDF:345.1/24

Right Out: -0.843 $\pm$ 0.895 χ^2 /NDF: 665.8/27

Left In: 5.483 $\pm$ 0.779 χ^2 /NDF:259.1/22

Left: 5.396 $\pm$ 0.540 χ^2 /NDF: 604.2/47

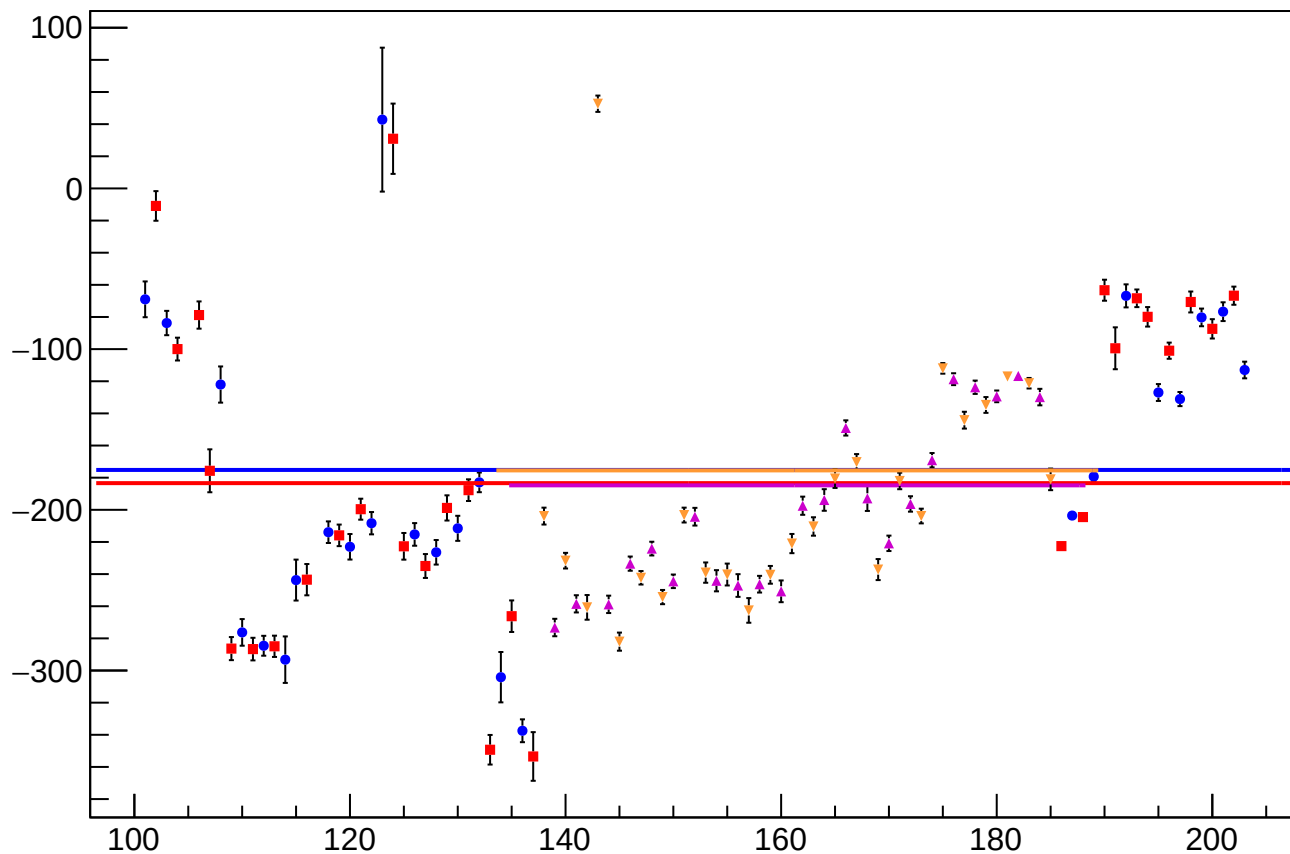
Right: 1.923 $\pm$ 0.651 χ^2 /NDF: 1312.4/52

In: 5.303 $\pm$ 0.602 χ^2 /NDF:885.6/47

Out: 2.772 $\pm$ 0.575 χ^2 /NDF:1038.7/52

All: 3.979 $\pm$ 0.416 χ^2 /NDF: 1933.5/100

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -175.181 ± 1.223 $\chi^2/\text{NDF}: 2853.9/24$

Left Out: -175.470 ± 0.974 $\chi^2/\text{NDF}: 5103.8/24$

Right Out: -183.394 ± 0.976 $\chi^2/\text{NDF}: 4805.4/27$

Left In: -184.774 ± 0.987 $\chi^2/\text{NDF}: 3082.4/22$

Left: -180.060 ± 0.693 $\chi^2/\text{NDF}: 8231.2/47$

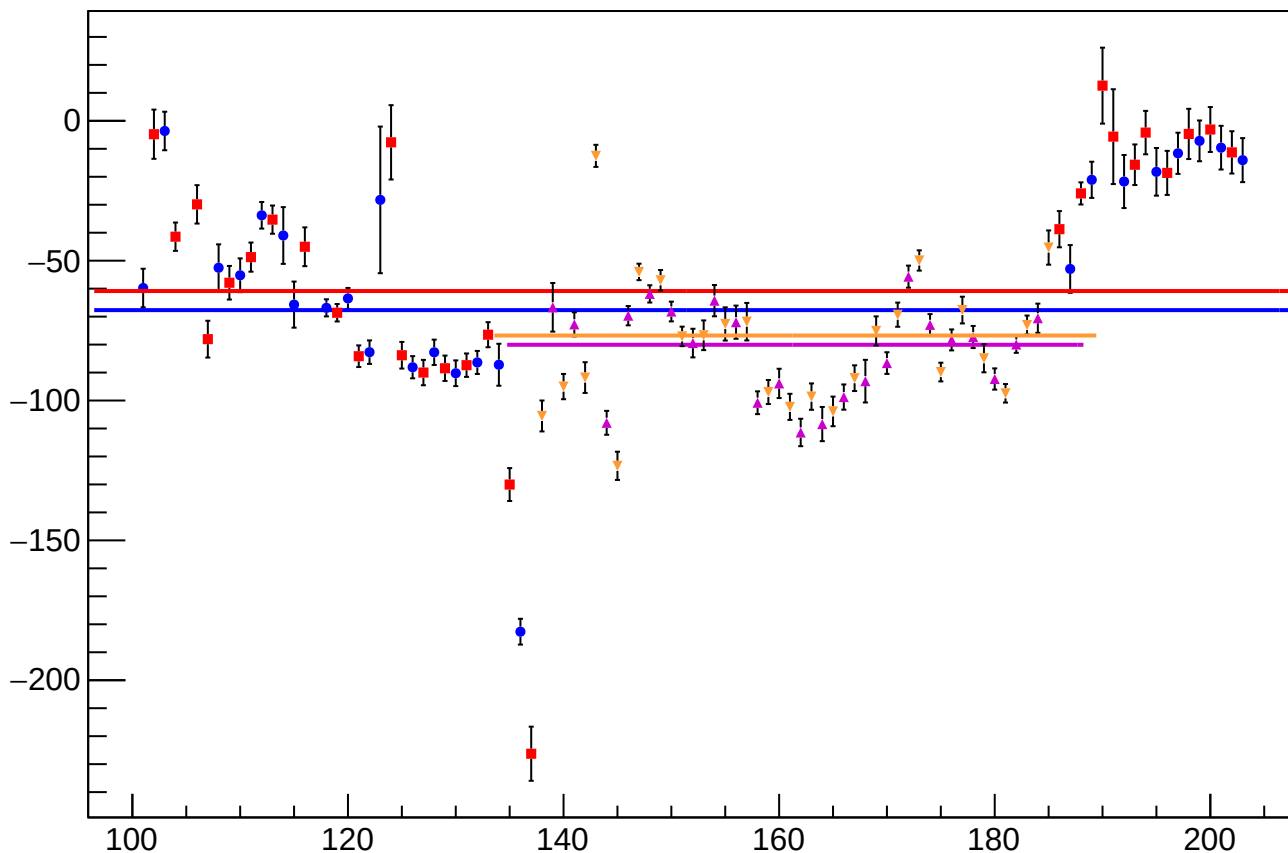
Right: -180.200 ± 0.763 $\chi^2/\text{NDF}: 7686.8/52$

In: -180.992 ± 0.768 $\chi^2/\text{NDF}: 5973.5/47$

Out: -179.423 ± 0.689 $\chi^2/\text{NDF}: 9942.2/52$

All: -180.123 ± 0.513 $\chi^2/\text{NDF}: 15918.1/100$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.676 ± 1.115 $\chi^2/\text{NDF}: 1220.8/24$

Left Out: -76.747 ± 0.861 $\chi^2/\text{NDF}: 746.8/24$

Right Out: -60.851 ± 1.067 $\chi^2/\text{NDF}: 1146.1/27$

Left In: -80.068 ± 0.886 $\chi^2/\text{NDF}: 286.8/22$

Left: -78.359 ± 0.617 $\chi^2/\text{NDF}: 1040.8/47$

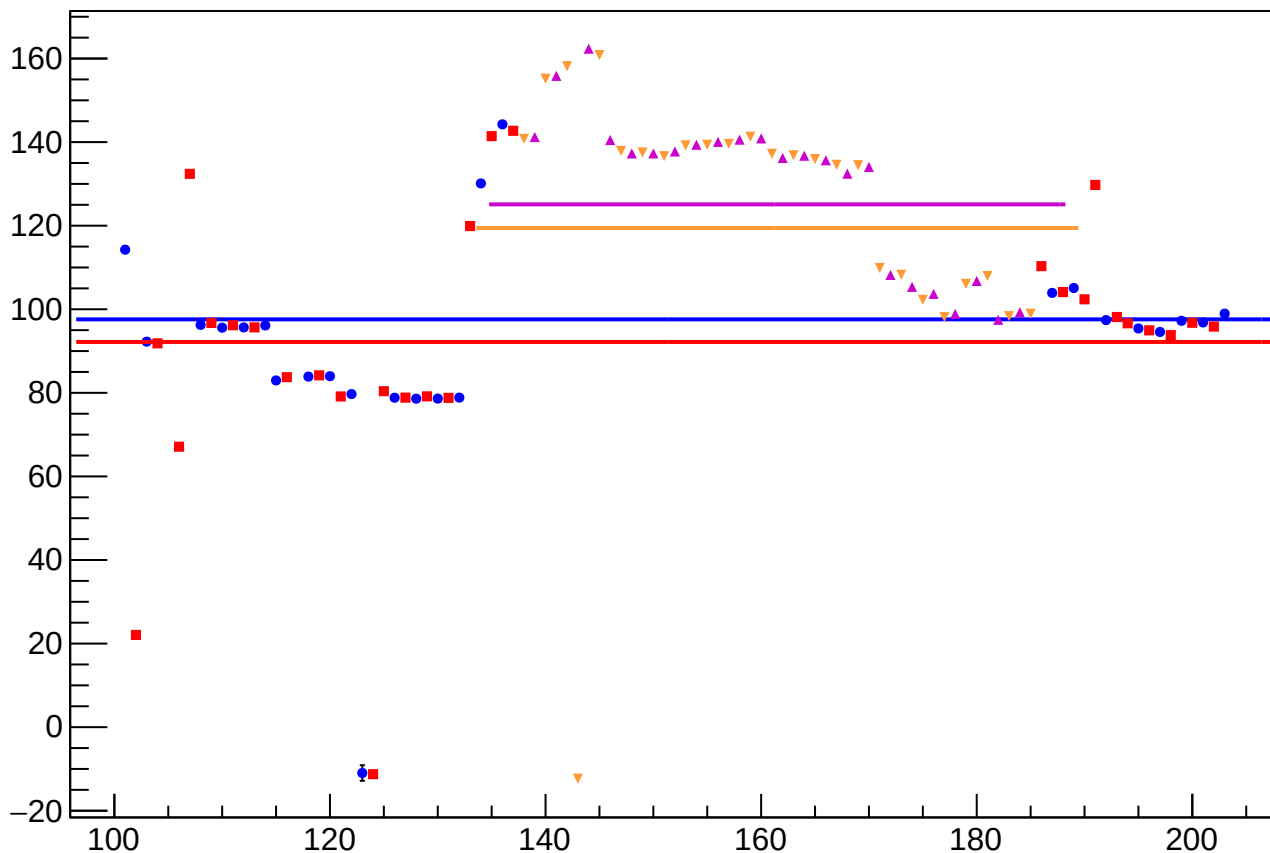
Right: -64.116 ± 0.771 $\chi^2/\text{NDF}: 2386.5/52$

In: -75.268 ± 0.694 $\chi^2/\text{NDF}: 1583.3/47$

Out: -70.484 ± 0.670 $\chi^2/\text{NDF}: 2027.3/52$

All: -72.793 ± 0.482 $\chi^2/\text{NDF}: 3635.2/100$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.589+/-0.058 χ^2/NDF : 95562.9/24

Left Out: 119.448+/-0.041 χ^2/NDF : 660075.8/24

Right Out: 92.179+/-0.053 χ^2/NDF : 240822.7/27

Left In: 125.101+/-0.041 χ^2/NDF : 222793.3/22

Left: 122.242+/-0.029 χ^2/NDF : 892441.6/47

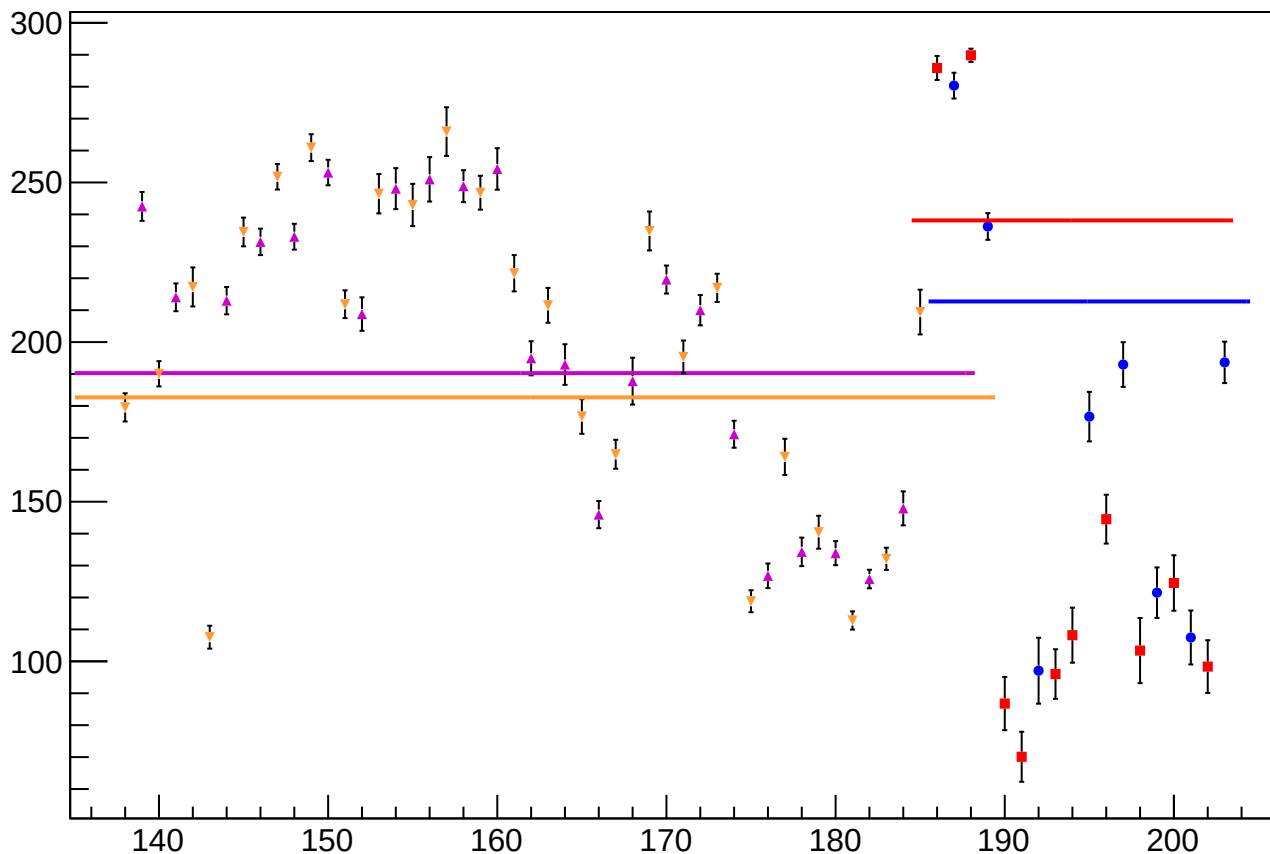
Right: 94.627+/-0.039 χ^2/NDF : 341183.8/52

In: 115.860+/-0.033 χ^2/NDF : 468891.8/47

Out: 109.244+/-0.032 χ^2/NDF : 1069487.2/52

All: 112.415+/-0.023 χ^2/NDF : 1558694.1/100

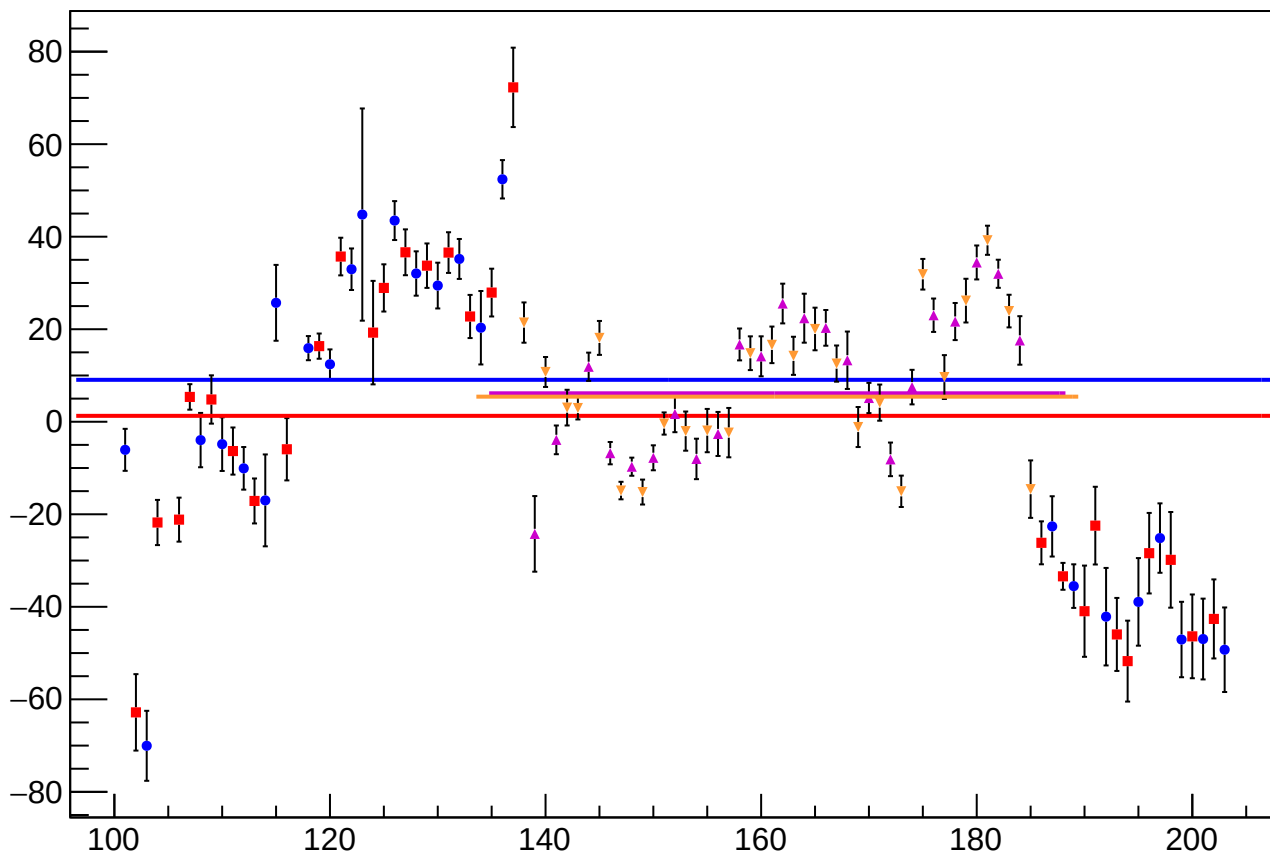
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 212.732 $\pm$ 2.139 χ^2/NDF : 762.7/7
 Left Out: 182.672 $\pm$ 0.919 χ^2/NDF : 3230.7/24
 Right Out: 238.111 $\pm$ 1.544 χ^2/NDF : 2918.6/9
 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: 229.418 $\pm$ 1.252 χ^2/NDF : 3773.8/17
 In: 193.972 $\pm$ 0.867 χ^2/NDF : 3307.6/30
 Out: 197.167 $\pm$ 0.789 χ^2/NDF : 7101.7/34
 All: 195.719 $\pm$ 0.584 χ^2/NDF : 10416.8/65

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.063 ± 1.050 χ^2/NDF : 765.7/24

Left Out: 5.425 ± 0.693 χ^2/NDF : 525.2/24

Right Out: 1.277 ± 0.948 χ^2/NDF : 887.9/27

Left In: 6.151 ± 0.730 χ^2/NDF : 410.6/22

Left: 5.769 ± 0.502 χ^2/NDF : 936.2/47

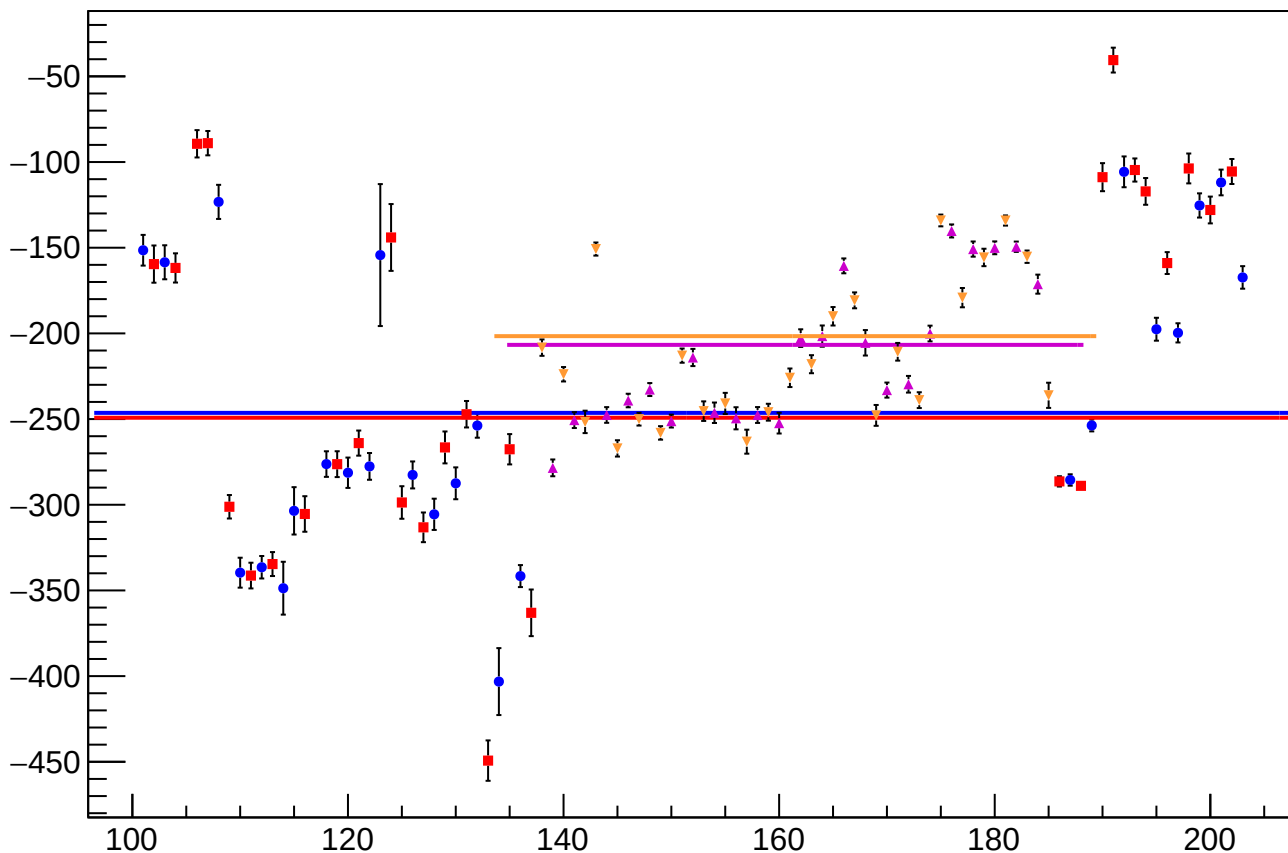
Right: 4.774 ± 0.703 χ^2/NDF : 1683.9/52

In: 7.100 ± 0.599 χ^2/NDF : 1181.4/47

Out: 3.981 ± 0.559 χ^2/NDF : 1425.5/52

All: 5.433 ± 0.409 χ^2/NDF : 2621.4/100

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -246.377 ± 1.396 $\chi^2/\text{NDF}: 2398.7/24$

Left Out: -201.610 ± 0.922 $\chi^2/\text{NDF}: 2462.4/24$

Right Out: -249.213 ± 1.077 $\chi^2/\text{NDF}: 5663.0/27$

Left In: -206.700 ± 0.946 $\chi^2/\text{NDF}: 2134.9/22$

Left: -204.091 ± 0.660 $\chi^2/\text{NDF}: 4612.2/47$

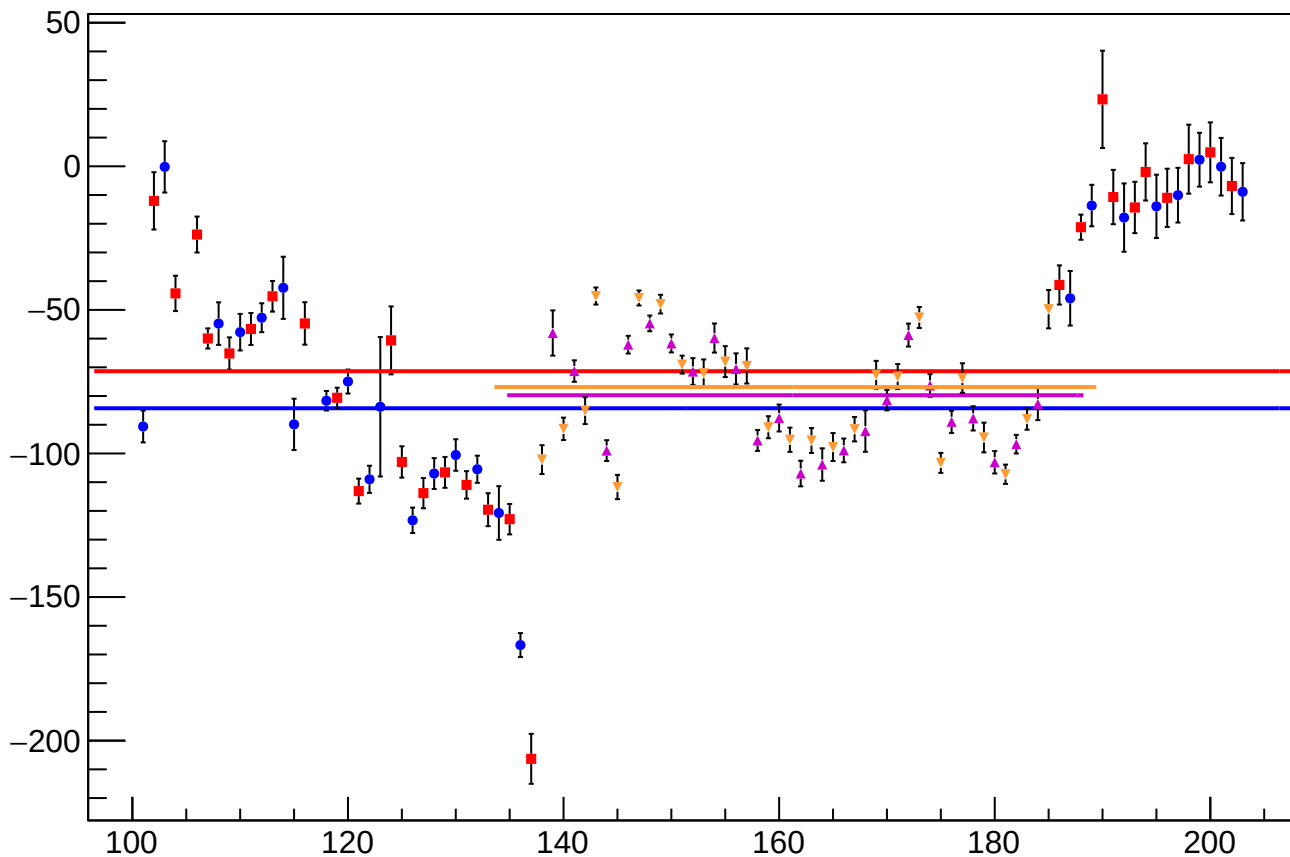
Right: -248.154 ± 0.853 $\chi^2/\text{NDF}: 8064.3/52$

In: -219.193 ± 0.783 $\chi^2/\text{NDF}: 5087.4/47$

Out: -221.749 ± 0.701 $\chi^2/\text{NDF}: 9252.1/52$

All: -220.613 ± 0.522 $\chi^2/\text{NDF}: 14345.4/100$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -84.258 ± 1.231 χ^2/NDF : 1199.4/24

Left Out: -76.870 ± 0.802 χ^2/NDF : 758.7/24

Right Out: -71.356 ± 1.134 χ^2/NDF : 1359.9/27

Left In: -79.719 ± 0.837 χ^2/NDF : 415.2/22

Left: -78.232 ± 0.579 χ^2/NDF : 1179.9/47

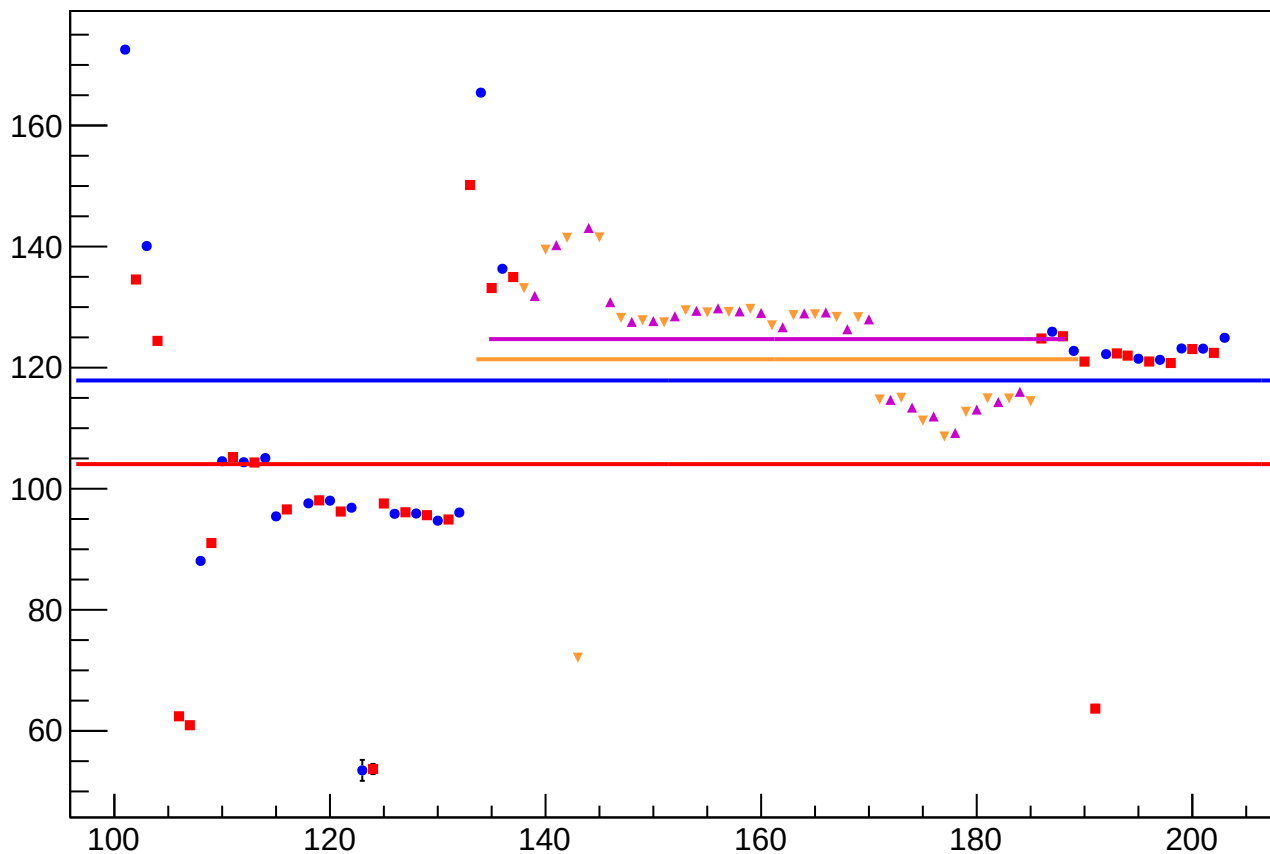
Right: -77.279 ± 0.834 χ^2/NDF : 2618.6/52

In: -81.154 ± 0.692 χ^2/NDF : 1623.8/47

Out: -75.033 ± 0.655 χ^2/NDF : 2134.4/52

All: -77.922 ± 0.476 χ^2/NDF : 3799.5/100

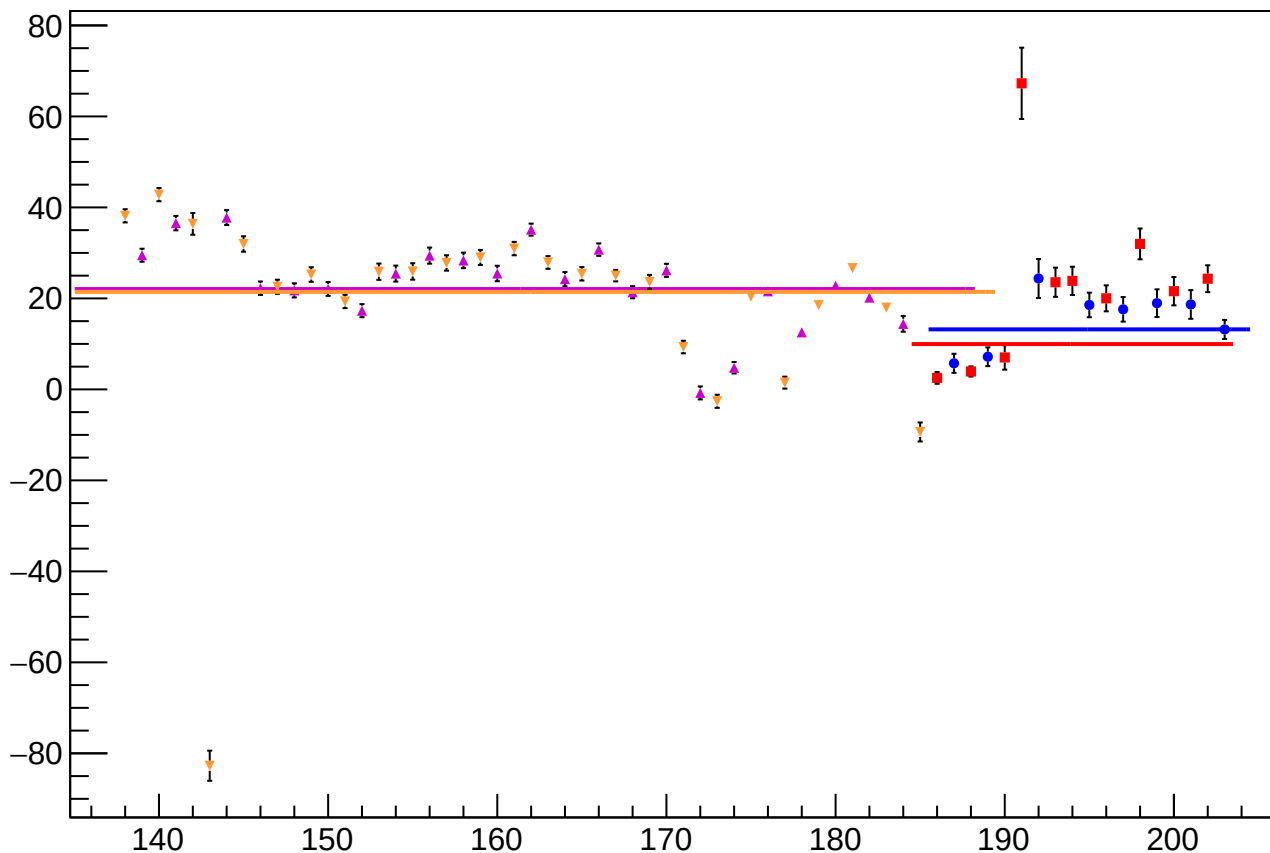
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.882±/0.065 χ^2/NDF : 109040.0/24
 Left Out: 121.385±/0.038 χ^2/NDF :164871.1/24
 Right Out: 104.065±/0.056 χ^2/NDF : 233101.3/27
 Left In: 124.714±/0.039 χ^2/NDF :51750.7/22

Left: 123.014±/0.027 χ^2/NDF : 220328.2/47
 Right: 109.929±/0.042 χ^2/NDF : 368002.8/52
 In: 122.908±/0.034 χ^2/NDF :168872.0/47
 Out: 115.871±/0.032 χ^2/NDF :463237.4/52
 All: 119.180±/0.023 χ^2/NDF : 655458.0/100

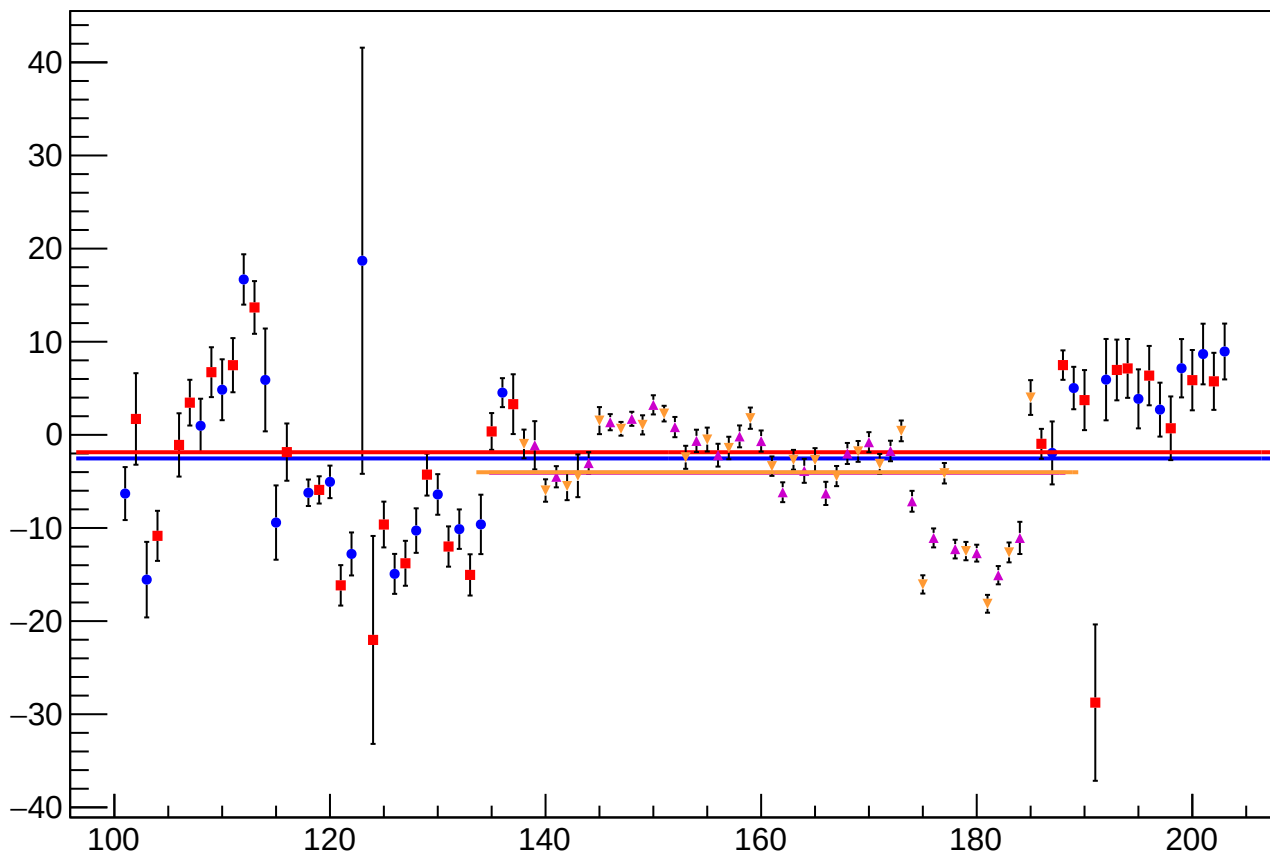
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 13.194 $\pm$ 0.903 χ^2 /NDF: 41.2/7
 Left Out: 21.435 $\pm$ 0.283 χ^2 /NDF:2406.2/24
 Right Out: 9.959 $\pm$ 0.676 χ^2 /NDF: 247.2/9
 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: 11.122 $\pm$ 0.541 χ^2 /NDF: 296.7/17
 In: 21.255 $\pm$ 0.271 χ^2 /NDF:1070.2/30
 Out: 19.729 $\pm$ 0.261 χ^2 /NDF:2898.5/34
 All: 20.462 $\pm$ 0.188 χ^2 /NDF: 3985.2/65

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.534 ± 0.511 χ^2/NDF : 247.5/24

Left Out: -4.015 ± 0.223 χ^2/NDF : 731.7/24

Right Out: -1.866 ± 0.477 χ^2/NDF : 301.4/27

Left In: -4.069 ± 0.227 χ^2/NDF : 580.1/22

Left: -4.042 ± 0.159 χ^2/NDF : 1311.8/47

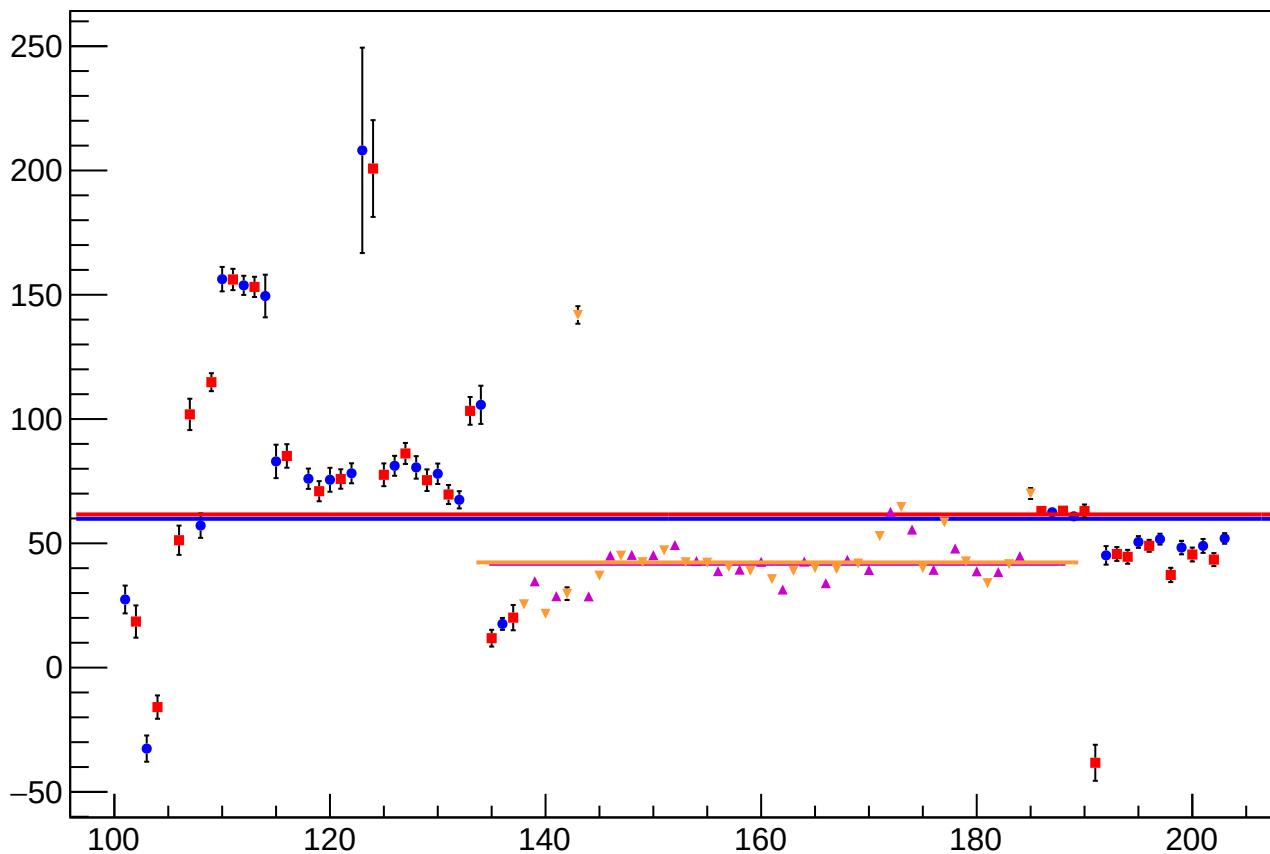
Right: -2.177 ± 0.349 χ^2/NDF : 549.8/52

In: -3.815 ± 0.208 χ^2/NDF : 835.1/47

Out: -3.629 ± 0.202 χ^2/NDF : 1049.7/52

All: -3.719 ± 0.145 χ^2/NDF : 1885.2/100

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 59.866 ± 0.638 χ^2/NDF : 2015.4/24

Left Out: 42.322 ± 0.282 χ^2/NDF : 1855.5/24

Right Out: 61.629 ± 0.499 χ^2/NDF : 2508.7/27

Left In: 41.755 ± 0.283 χ^2/NDF : 659.6/22

Left: 42.039 ± 0.200 χ^2/NDF : 2517.1/47

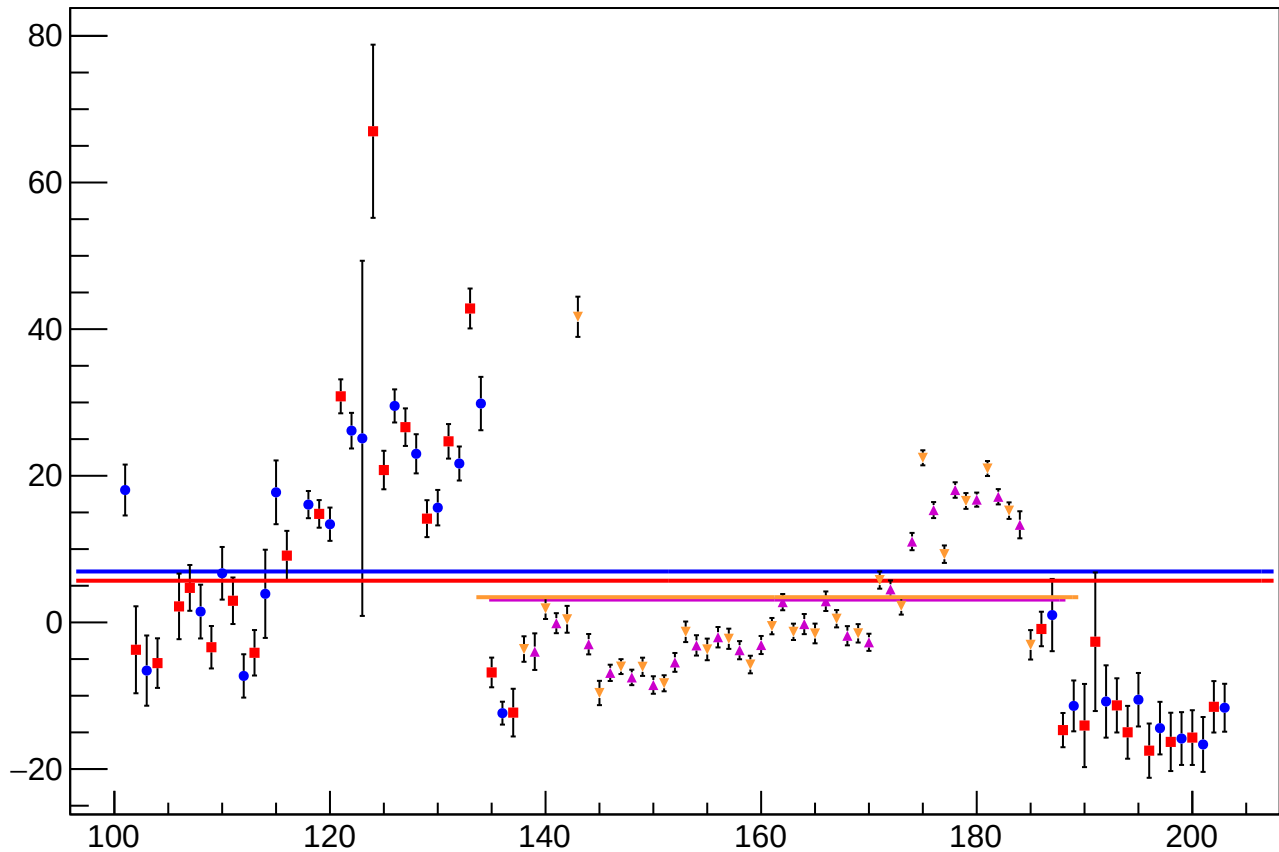
Right: 60.961 ± 0.393 χ^2/NDF : 4528.9/52

In: 44.735 ± 0.259 χ^2/NDF : 3348.8/47

Out: 47.004 ± 0.246 χ^2/NDF : 5500.2/52

All: 45.929 ± 0.178 χ^2/NDF : 8889.5/100

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.948 ± 0.590 χ^2/NDF : 740.4/24

Left Out: 3.439 ± 0.252 χ^2/NDF : 1647.7/24

Right Out: 5.687 ± 0.567 χ^2/NDF : 912.8/27

Left In: 3.114 ± 0.256 χ^2/NDF : 1273.1/22

Left: 3.279 ± 0.180 χ^2/NDF : 2921.5/47

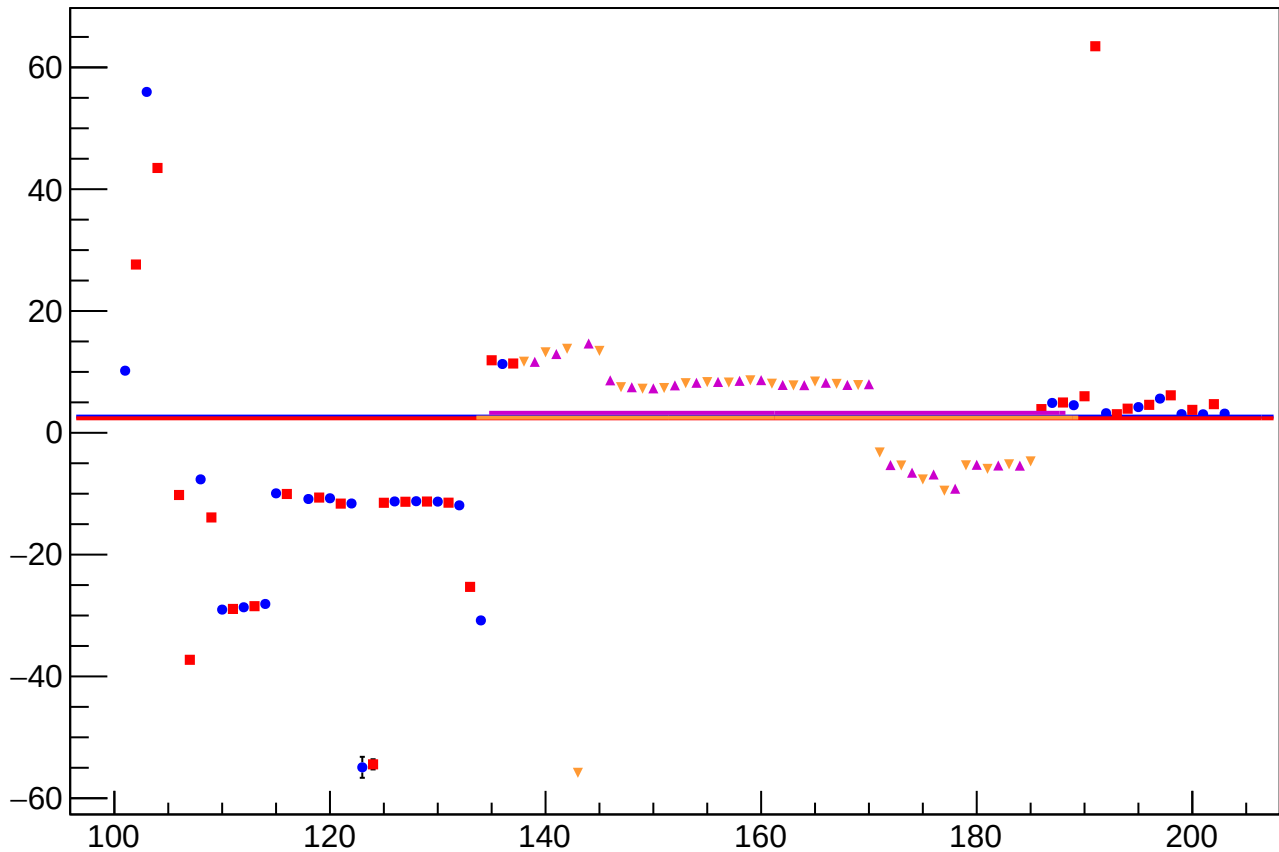
Right: 6.292 ± 0.409 χ^2/NDF : 1655.6/52

In: 3.722 ± 0.235 χ^2/NDF : 2048.9/47

Out: 3.811 ± 0.231 χ^2/NDF : 2573.6/52

All: 3.767 ± 0.165 χ^2/NDF : 4622.6/100

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.659 $\pm$ 0.028 χ^2 /NDF: 360996.9/24

Left Out: 2.497 $\pm$ 0.012 χ^2 /NDF: 588138.5/24

Right Out: 2.380 $\pm$ 0.027 χ^2 /NDF: 425962.6/27

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

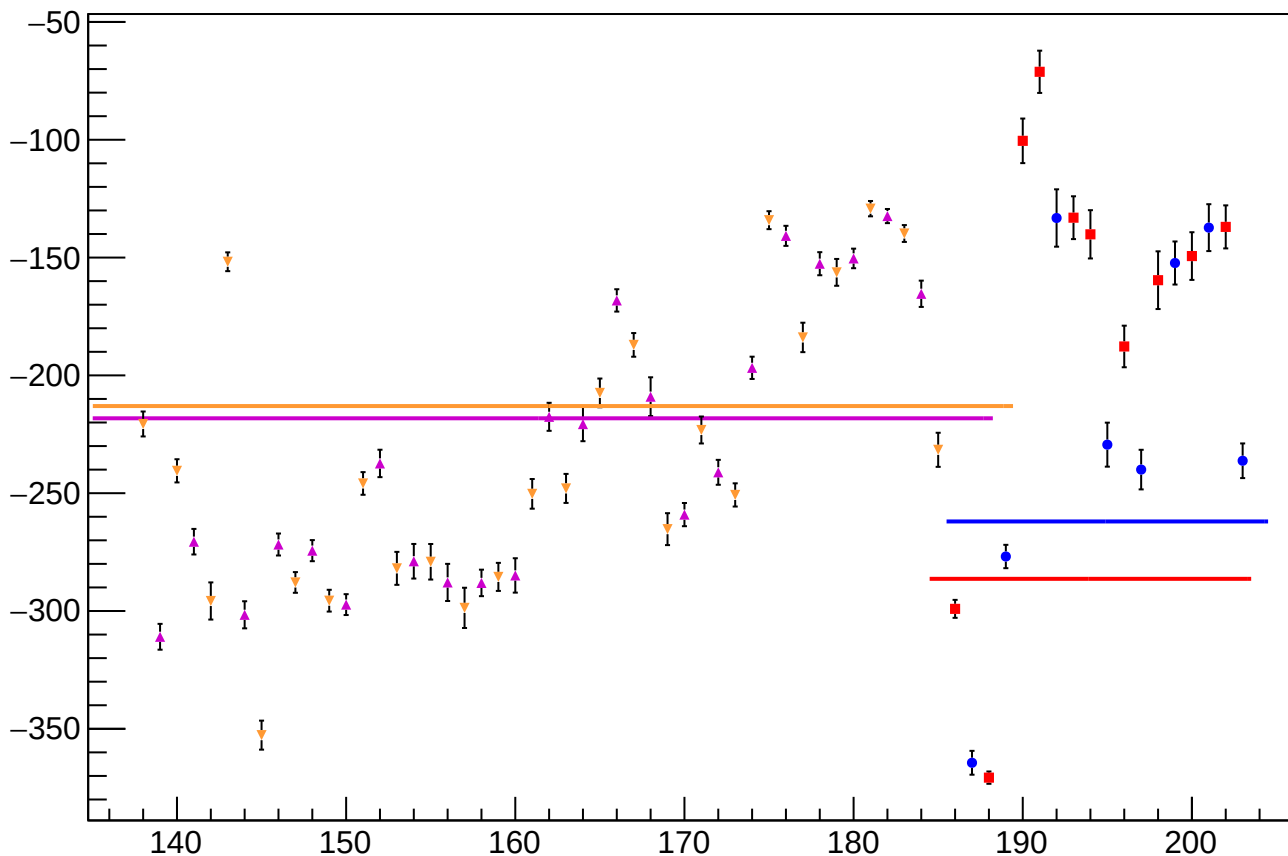
Right: 2.512 $\pm$ 0.020 χ^2 /NDF: 787010.3/52

In: 3.192 $\pm$ 0.011 χ^2 /NDF: 771012.6/47

Out: 2.478 $\pm$ 0.011 χ^2 /NDF: 1014117.0/52

All: 2.831 $\pm$ 0.008 χ^2 /NDF: 1787361.7/100

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -261.994 ± 2.559 χ^2/NDF : 862.8/7

Left Out: -213.020 ± 1.035 χ^2/NDF : 3826.2/24

Right Out: -286.346 ± 1.820 χ^2/NDF : 3187.5/9

Left In: -218.216 ± 1.063 χ^2/NDF : 3499.0/22

Left: -215.550 ± 0.742 χ^2/NDF : 7337.5/47

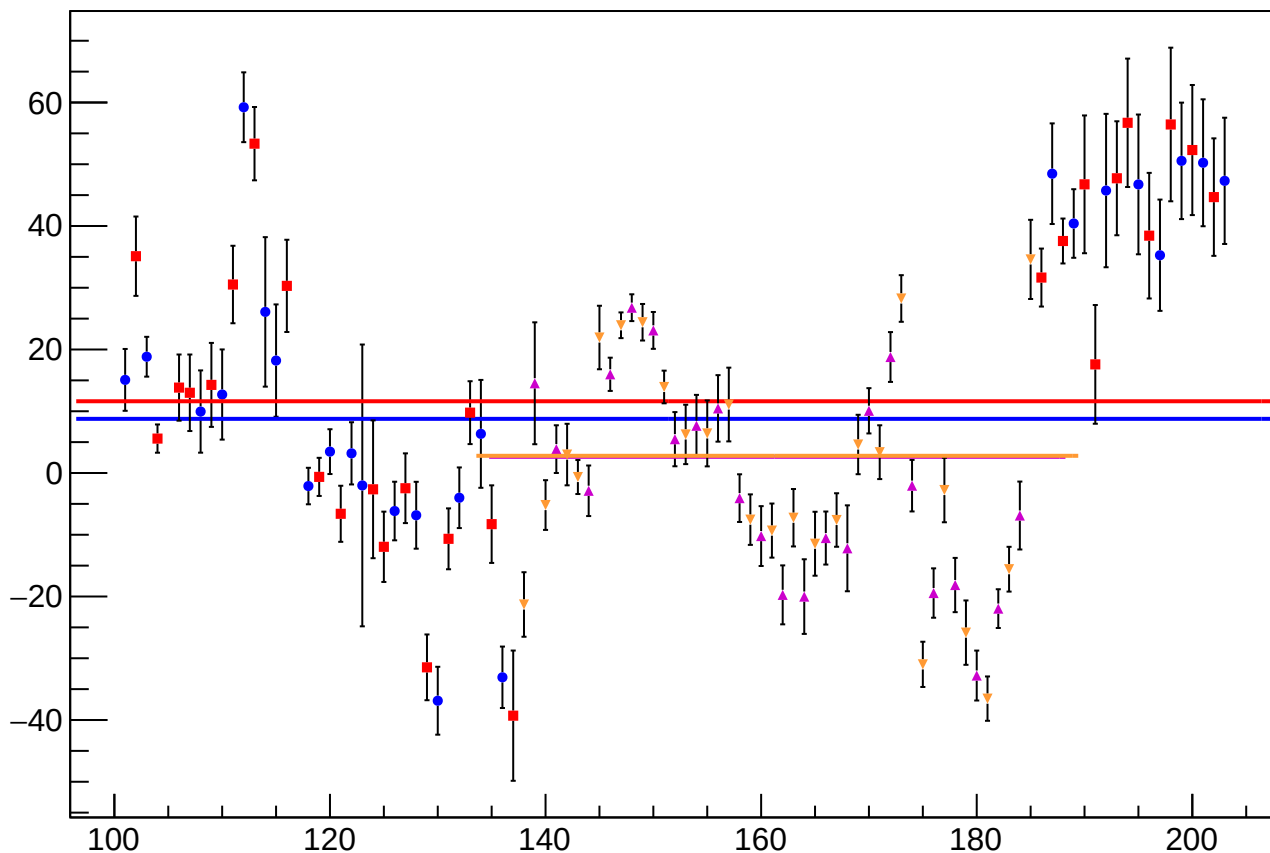
Right: -278.167 ± 1.483 χ^2/NDF : 4110.5/17

In: -224.657 ± 0.982 χ^2/NDF : 4611.4/30

Out: -230.953 ± 0.900 χ^2/NDF : 8240.2/34

All: -228.077 ± 0.663 χ^2/NDF : 12873.9/65

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.769 ± 1.139 $\chi^2/\text{NDF}: 411.5/24$

Left Out: 2.786 ± 0.780 $\chi^2/\text{NDF}: 582.0/24$

Right Out: 11.619 ± 1.032 $\chi^2/\text{NDF}: 422.1/27$

Left In: 2.619 ± 0.821 $\chi^2/\text{NDF}: 477.6/22$

Left: 2.707 ± 0.565 $\chi^2/\text{NDF}: 1059.7/47$

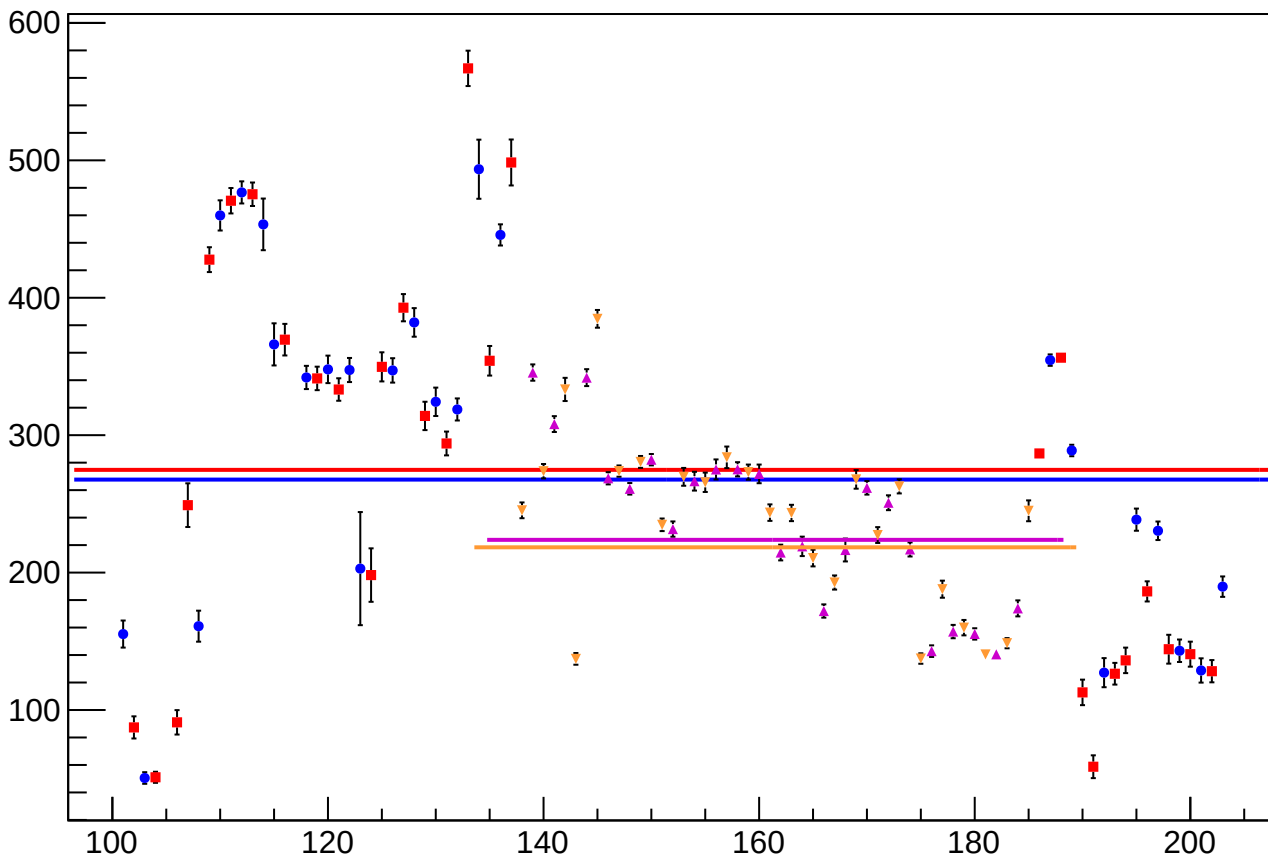
Right: 10.335 ± 0.765 $\chi^2/\text{NDF}: 837.0/52$

In: 4.720 ± 0.666 $\chi^2/\text{NDF}: 908.2/47$

Out: 5.999 ± 0.622 $\chi^2/\text{NDF}: 1050.7/52$

All: 5.402 ± 0.455 $\chi^2/\text{NDF}: 1961.0/100$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 267.673 $\pm$ 1.551 χ^2 /NDF: 6392.6/24

Left Out: 218.389 $\pm$ 1.038 χ^2 /NDF:3696.7/24

Right Out: 274.753 $\pm$ 1.218 χ^2 /NDF: 10417.5/27

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

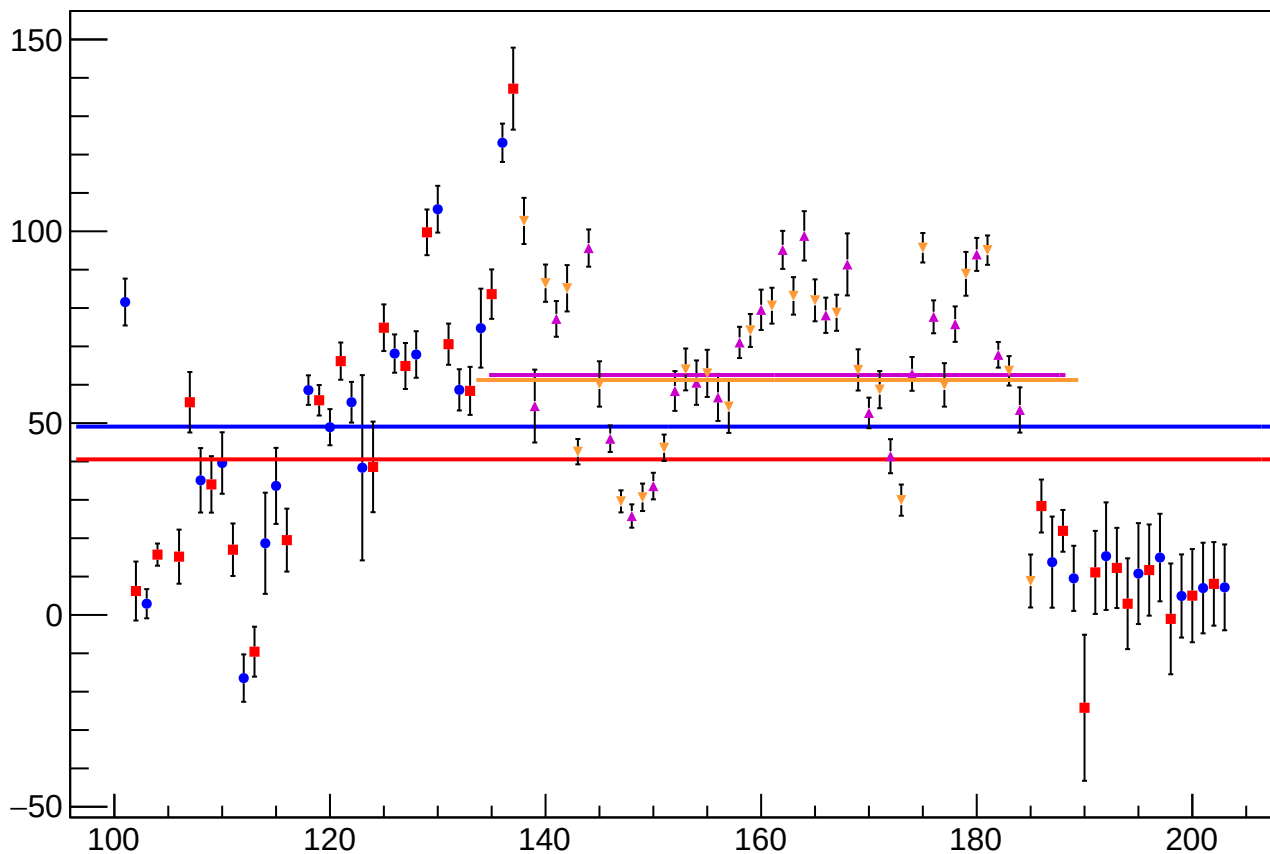
Right: 272.051 $\pm$ 0.958 χ^2 /NDF: 16823.0/52

In: 237.761 $\pm$ 0.874 χ^2 /NDF:10382.7/47

Out: 242.088 $\pm$ 0.790 χ^2 /NDF:15354.6/52

All: 240.143 $\pm$ 0.586 χ^2 /NDF: 25750.7/100

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.089 ± 1.338 $\chi^2/\text{NDF}: 743.7/24$

Left Out: 61.240 ± 0.903 $\chi^2/\text{NDF}: 718.8/24$

Right Out: 40.553 ± 1.240 $\chi^2/\text{NDF}: 627.6/27$

Left In: 62.538 ± 0.940 $\chi^2/\text{NDF}: 520.0/22$

Left: 61.862 ± 0.651 $\chi^2/\text{NDF}: 1239.8/47$

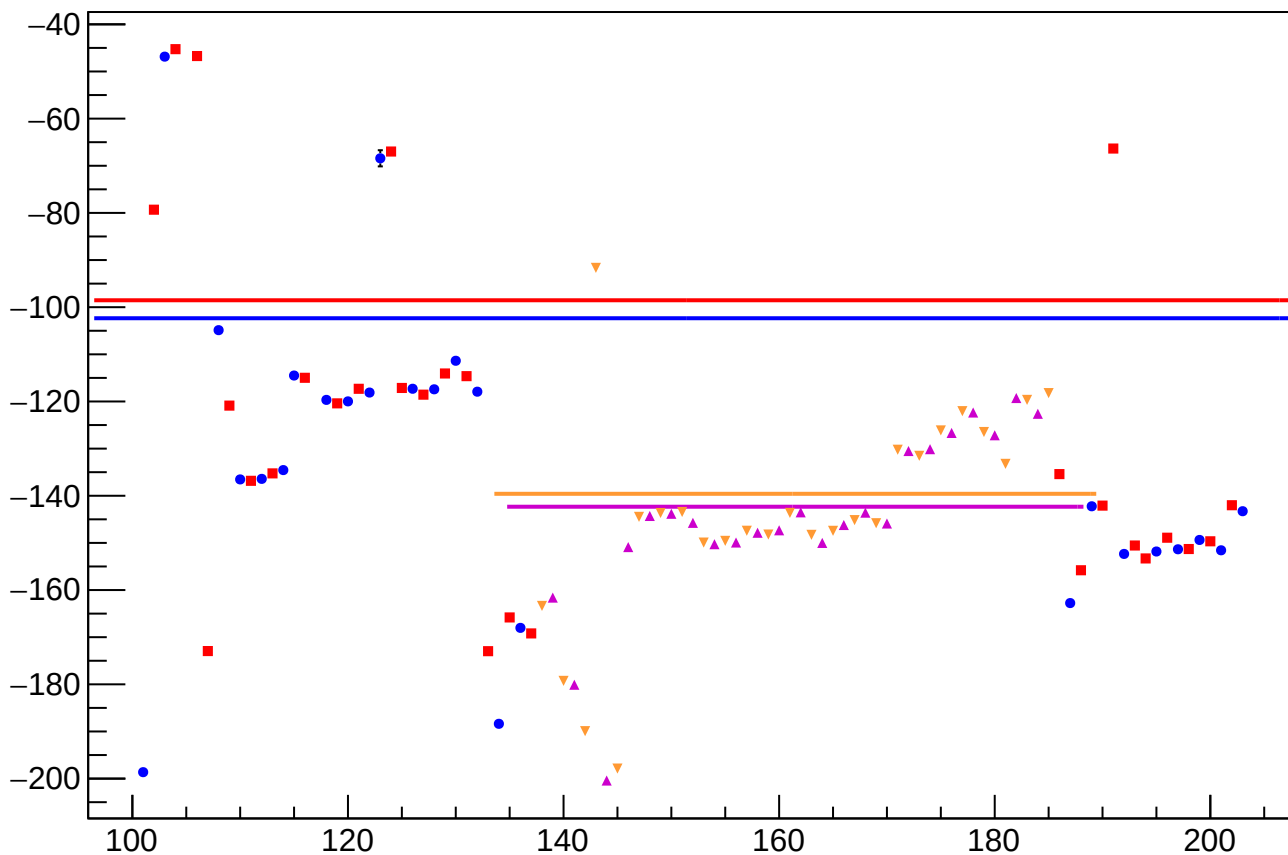
Right: 44.499 ± 0.910 $\chi^2/\text{NDF}: 1393.2/52$

In: 58.091 ± 0.769 $\chi^2/\text{NDF}: 1331.3/47$

Out: 54.079 ± 0.730 $\chi^2/\text{NDF}: 1528.2/52$

All: 55.980 ± 0.529 $\chi^2/\text{NDF}: 2873.9/100$

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -102.343+/-0.061 χ^2/NDF : 680079.4/24

Left Out: -139.585+/-0.043 χ^2/NDF : 243895.1/24

Right Out: -98.531+/-0.056 χ^2/NDF : 714048.0/27

Left In: -142.326+/-0.044 χ^2/NDF : 144642.3/22

Left: -140.930+/-0.031 χ^2/NDF : 390521.6/47

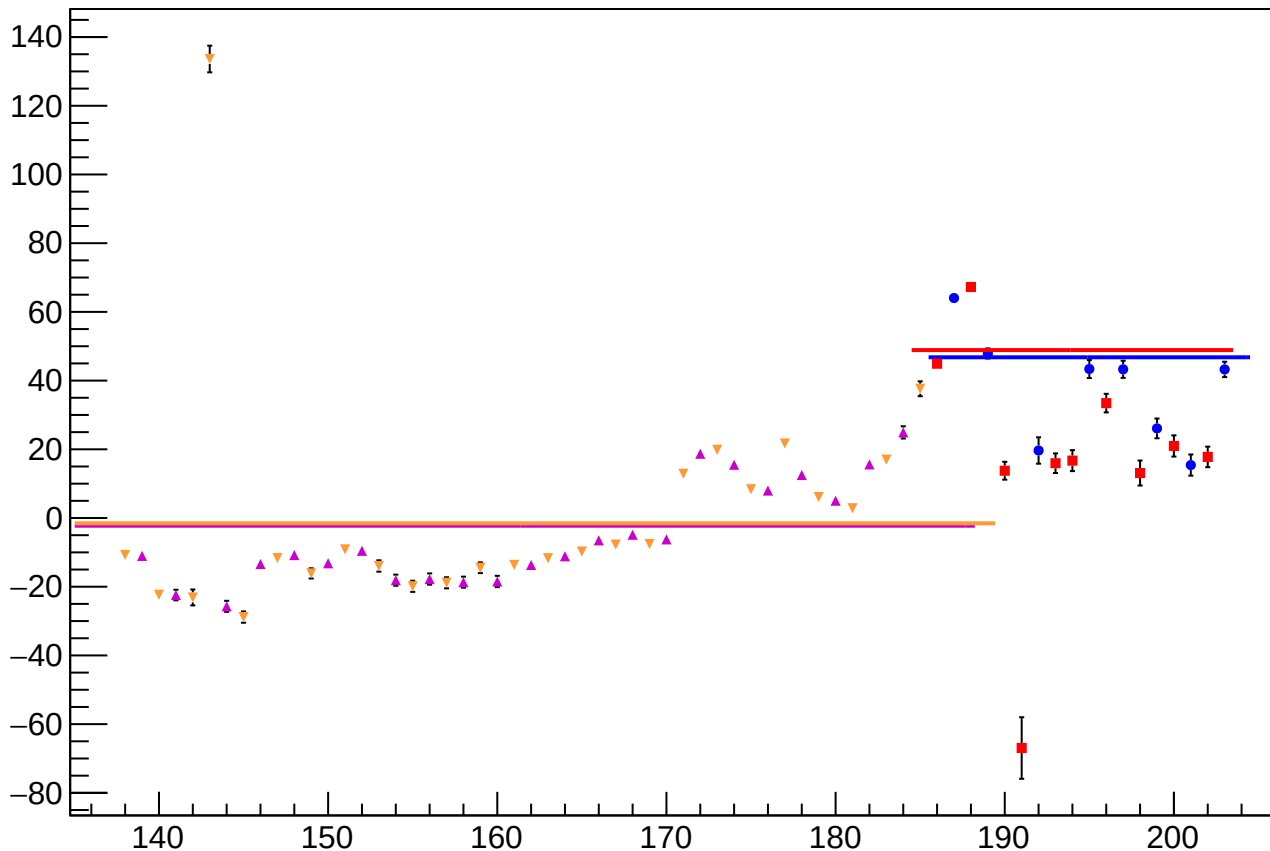
Right: -100.295+/-0.041 χ^2/NDF : 1396249.2/52

In: -128.581+/-0.036 χ^2/NDF : 1109784.2/47

Out: -124.417+/-0.034 χ^2/NDF : 1293160.2/52

All: -126.419+/-0.025 χ^2/NDF : 2410060.8/100

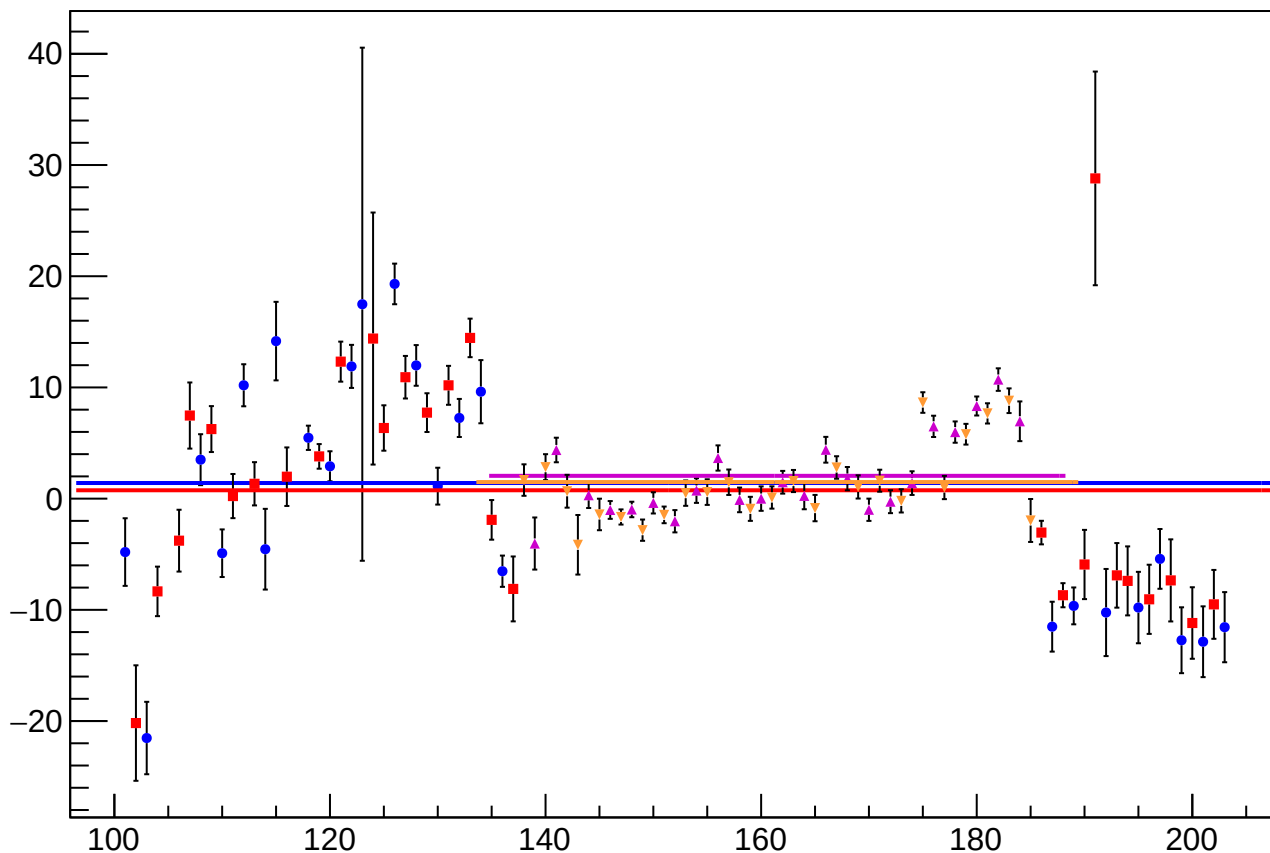
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 46.784 $\pm$ 0.751 χ^2 /NDF: 365.7/7
 Left Out: -1.540 $\pm$ 0.268 χ^2 /NDF:4129.1/24
 Right Out: 48.882 $\pm$ 0.511 χ^2 /NDF: 1495.1/9
 Left In: -2.244 $\pm$ 0.270 χ^2 /NDF:2561.6/22

Left: -1.890 $\pm$ 0.190 χ^2 /NDF: 6694.2/47
 Right: 48.217 $\pm$ 0.423 χ^2 /NDF: 1866.2/17
 In: 3.346 $\pm$ 0.254 χ^2 /NDF:6700.1/30
 Out: 9.305 $\pm$ 0.237 χ^2 /NDF:13253.5/34
 All: 6.526 $\pm$ 0.173 χ^2 /NDF: 20247.9/65

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.405 $\pm$ 0.415 χ^2 /NDF: 491.9/24

Left Out: 1.492 $\pm$ 0.210 χ^2 /NDF:258.3/24

Right Out: 0.752 $\pm$ 0.381 χ^2 /NDF: 408.6/27

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

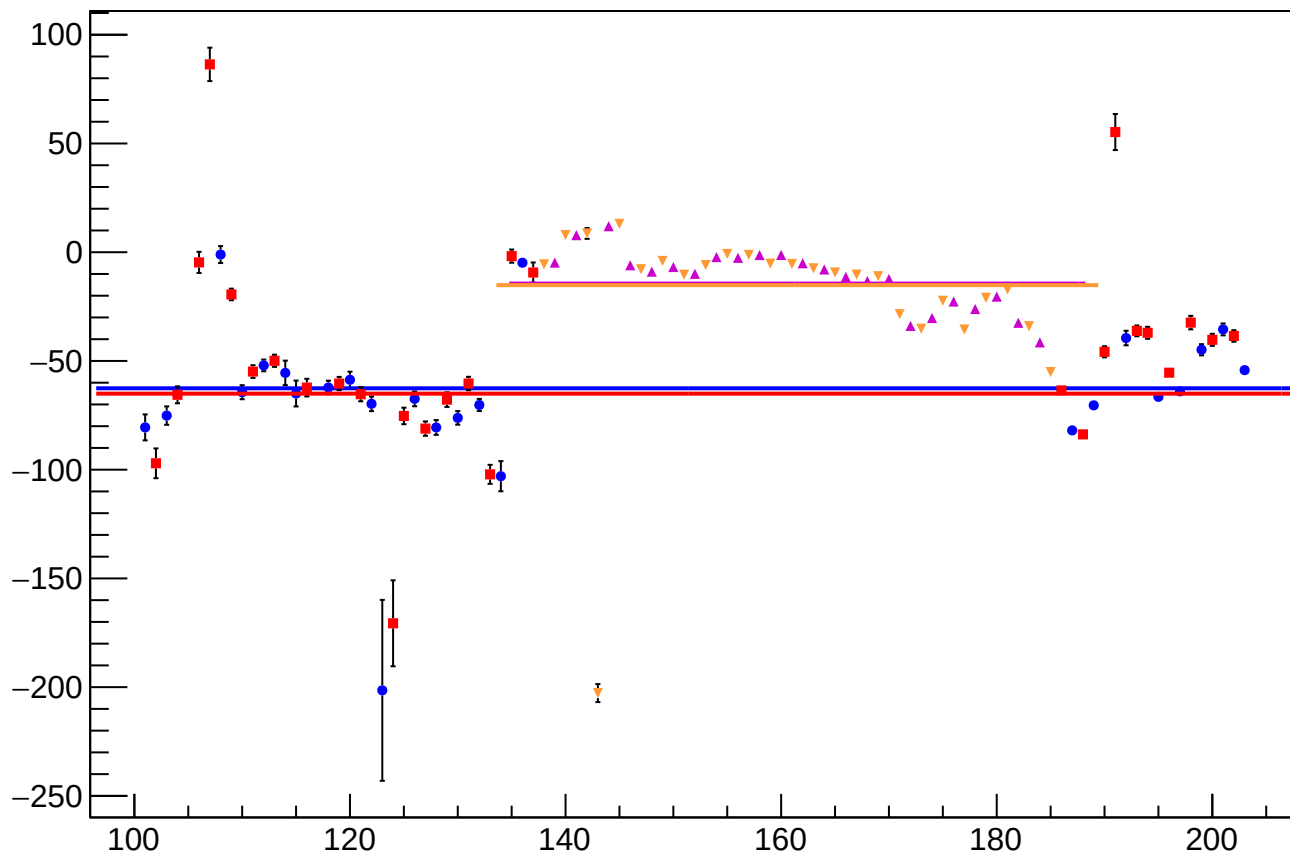
Right: 1.051 $\pm$ 0.280 χ^2 /NDF: 901.9/52

In: 1.915 $\pm$ 0.191 χ^2 /NDF:769.2/47

Out: 1.319 $\pm$ 0.184 χ^2 /NDF:669.8/52

All: 1.606 $\pm$ 0.132 χ^2 /NDF: 1444.1/100

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.575 ± 0.515 $\chi^2/\text{NDF}: 1640.0/24$

Left Out: -15.140 ± 0.267 $\chi^2/\text{NDF}: 4451.9/24$

Right Out: -65.031 ± 0.376 $\chi^2/\text{NDF}: 3336.0/27$

Left In: -14.415 ± 0.268 $\chi^2/\text{NDF}: 2065.7/22$

Left: -14.779 ± 0.189 $\chi^2/\text{NDF}: 6521.3/47$

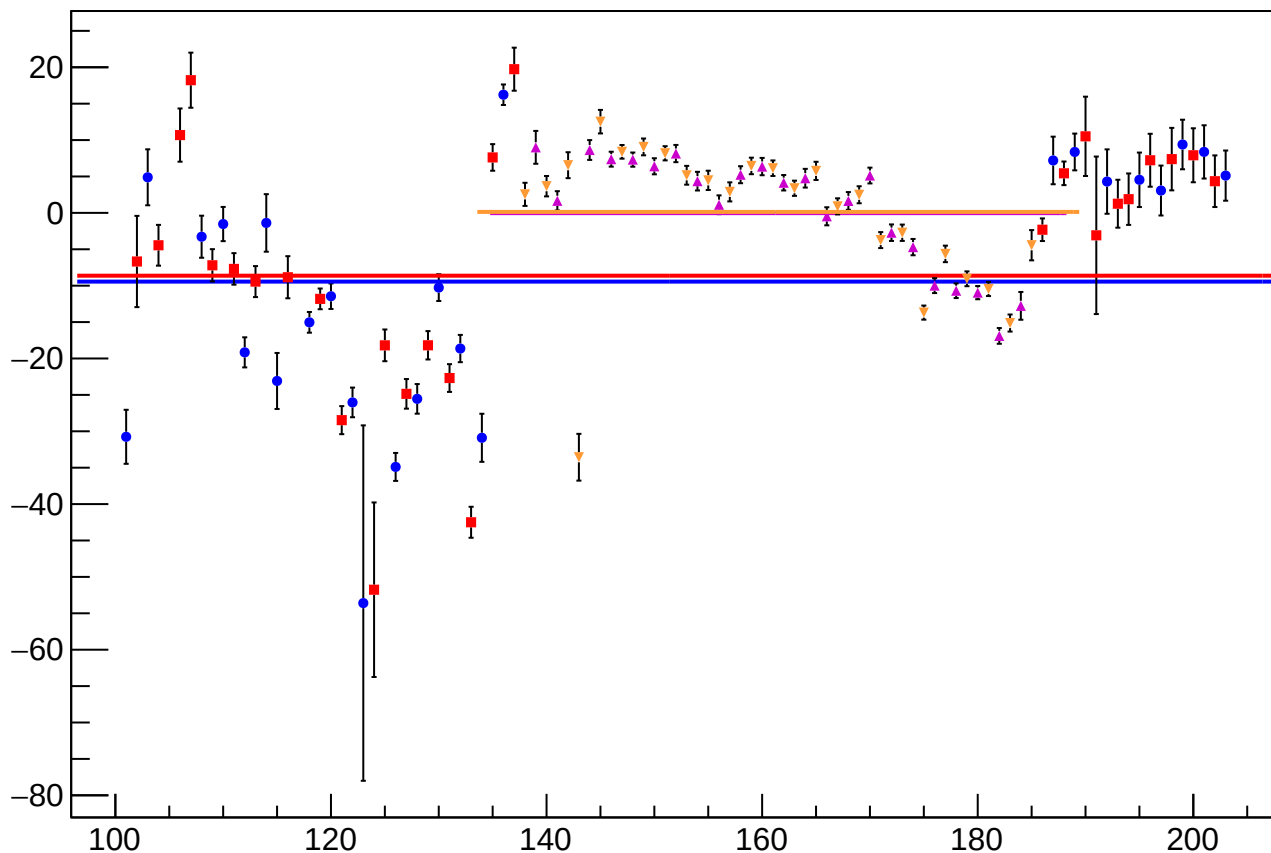
Right: -64.176 ± 0.304 $\chi^2/\text{NDF}: 4990.8/52$

In: -24.688 ± 0.238 $\chi^2/\text{NDF}: 10590.7/47$

Out: -31.833 ± 0.218 $\chi^2/\text{NDF}: 19483.1/52$

All: -28.575 ± 0.161 $\chi^2/\text{NDF}: 30565.1/100$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.440 ± 0.484 χ^2/NDF : 1008.9/24

Left Out: 0.133 ± 0.238 χ^2/NDF : 1146.9/24

Right Out: -8.628 ± 0.459 χ^2/NDF : 979.8/27

Left In: -0.036 ± 0.242 χ^2/NDF : 1027.6/22

Left: 0.049 ± 0.170 χ^2/NDF : 2174.8/47

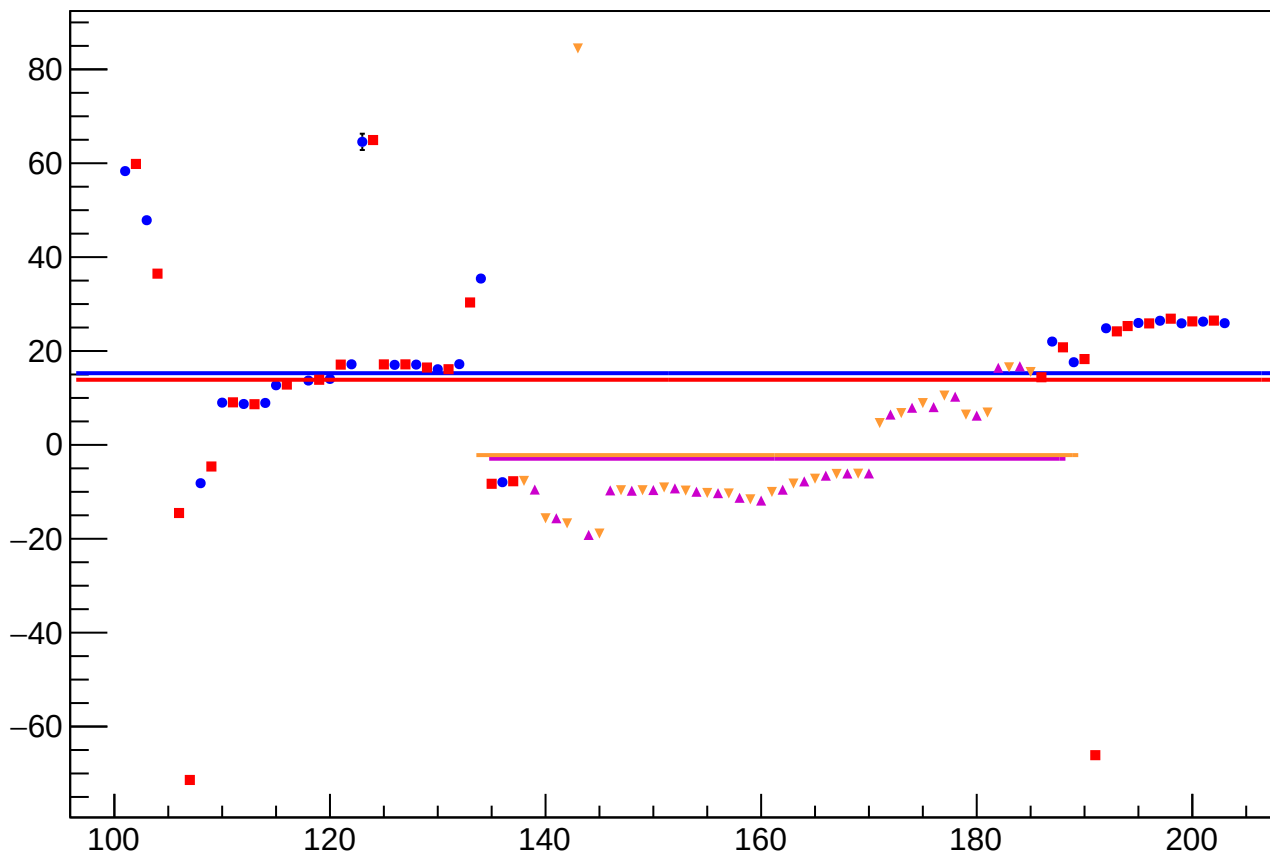
Right: -9.012 ± 0.333 χ^2/NDF : 1990.2/52

In: -1.919 ± 0.217 χ^2/NDF : 2337.9/47

Out: -1.727 ± 0.212 χ^2/NDF : 2413.5/52

All: -1.820 ± 0.151 χ^2/NDF : 4751.8/100

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 15.274 $\pm$ 0.025 χ^2/NDF : 460856.9/24

Left Out: -2.176 $\pm$ 0.011 χ^2/NDF : 1047394.9/24

Right Out: 13.874 $\pm$ 0.024 χ^2/NDF : 732276.6/27

Left In: -2.949 $\pm$ 0.011 χ^2/NDF : 770702.4/22

Left: -2.562 $\pm$ 0.008 χ^2/NDF : 1820593.2/47

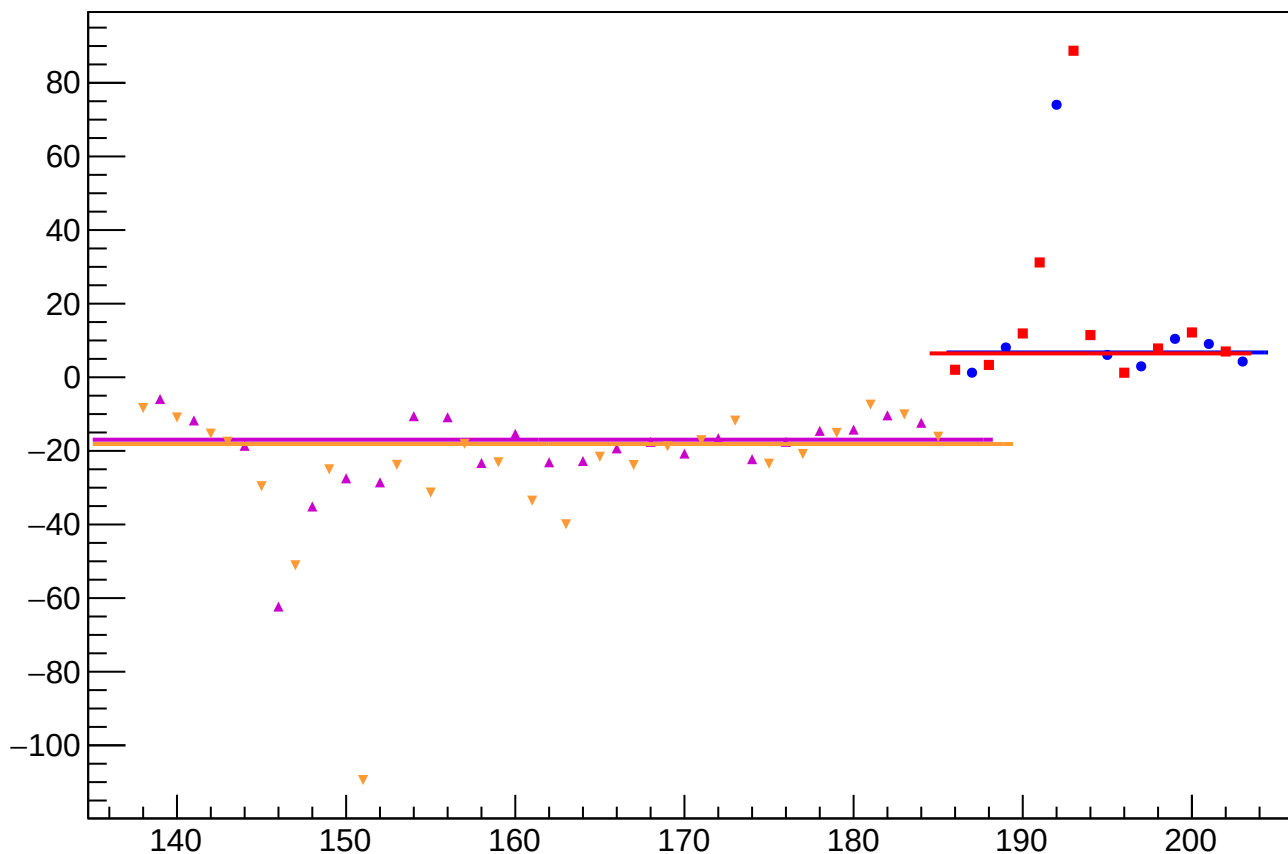
Right: 14.540 $\pm$ 0.017 χ^2/NDF : 1194815.1/52

In: 0.041 $\pm$ 0.010 χ^2/NDF : 1685878.3/47

Out: 0.669 $\pm$ 0.010 χ^2/NDF : 2162291.0/52

All: 0.358 $\pm$ 0.007 χ^2/NDF : 3850157.2/100

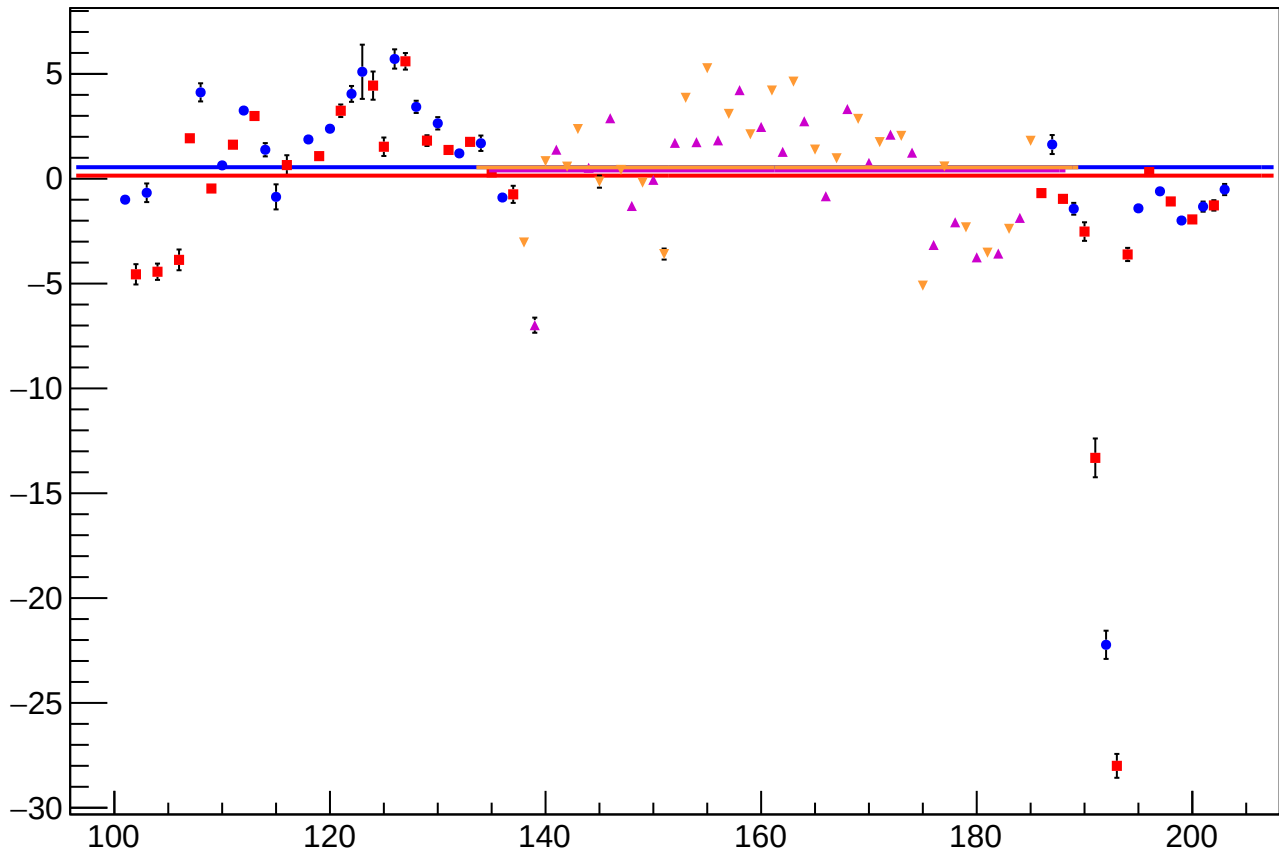
reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.746 ± 0.077 $\chi^2/\text{NDF}: 11920.4/7$
 Left Out: -18.127 ± 0.039 $\chi^2/\text{NDF}: 88514.4/24$
 Right Out: 6.483 ± 0.068 $\chi^2/\text{NDF}: 25544.5/9$
 Left In: -16.958 ± 0.038 $\chi^2/\text{NDF}: 44759.9/22$

Left: -17.528 ± 0.027 $\chi^2/\text{NDF}: 133736.2/47$
 Right: 6.598 ± 0.051 $\chi^2/\text{NDF}: 37471.4/17$
 In: -12.322 ± 0.034 $\chi^2/\text{NDF}: 132780.8/30$
 Out: -12.030 ± 0.034 $\chi^2/\text{NDF}: 212928.1/34$
 All: -12.175 ± 0.024 $\chi^2/\text{NDF}: 345745.8/65$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.550 ± 0.050 χ^2/NDF : 2492.7/24

Left Out: 0.543 ± 0.032 χ^2/NDF : 7067.6/24

Right Out: 0.148 ± 0.047 χ^2/NDF : 4250.7/27

Left In: 0.398 ± 0.031 χ^2/NDF : 6286.3/22

Left: 0.467 ± 0.022 χ^2/NDF : 13364.5/47

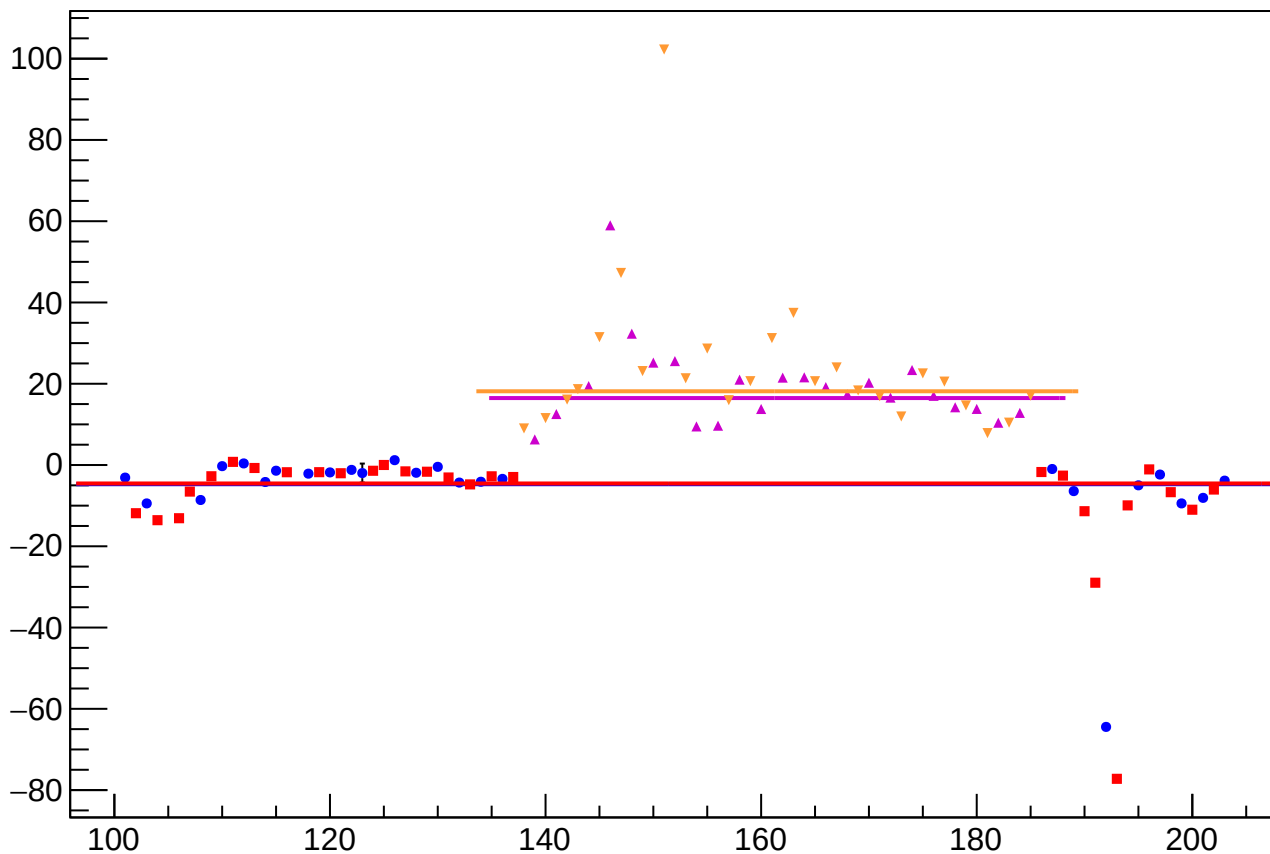
Right: 0.337 ± 0.034 χ^2/NDF : 6777.2/52

In: 0.439 ± 0.026 χ^2/NDF : 8785.6/47

Out: 0.417 ± 0.027 χ^2/NDF : 11365.6/52

All: 0.429 ± 0.019 χ^2/NDF : 20151.5/100

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.726+/-0.057 χ^2/NDF : 13337.3/24

Left Out: 18.147+/-0.039 χ^2/NDF : 77805.7/24

Right Out: -4.542+/-0.049 χ^2/NDF : 27585.5/27

Left In: 16.477+/-0.038 χ^2/NDF : 41326.5/22

Left: 17.279+/-0.027 χ^2/NDF : 120078.9/47

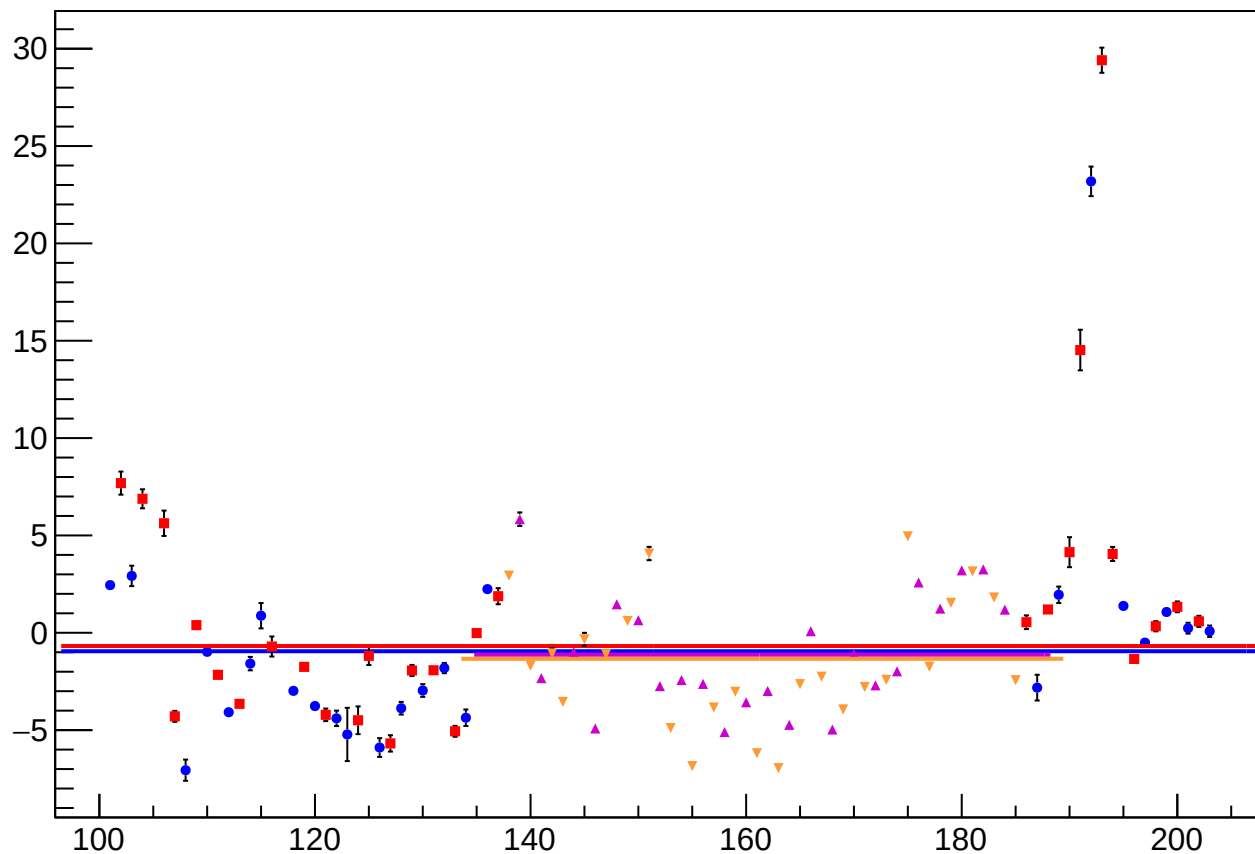
Right: -4.620+/-0.037 χ^2/NDF : 40928.7/52

In: 10.095+/-0.031 χ^2/NDF : 150257.0/47

Out: 9.373+/-0.031 χ^2/NDF : 235369.8/52

All: 9.725+/-0.022 χ^2/NDF : 385896.8/100

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.948 ± 0.059 $\chi^2/\text{NDF}: 2734.6/24$

Left Out: -1.338 ± 0.036 $\chi^2/\text{NDF}: 7920.8/24$

Right Out: -0.680 ± 0.055 $\chi^2/\text{NDF}: 4455.0/27$

Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6778.7/22$

Left: -1.228 ± 0.025 $\chi^2/\text{NDF}: 14717.3/47$

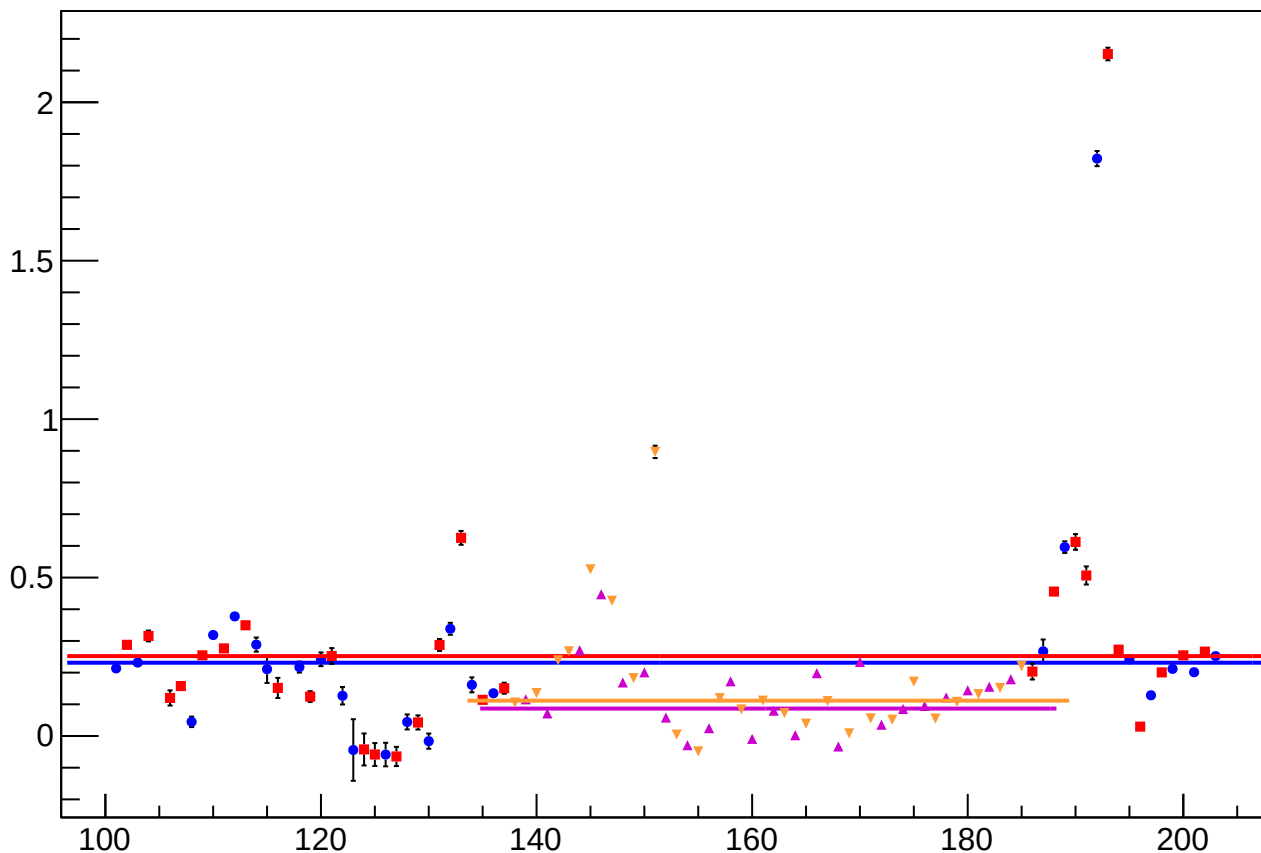
Right: -0.806 ± 0.040 $\chi^2/\text{NDF}: 7200.7/52$

In: -1.083 ± 0.029 $\chi^2/\text{NDF}: 9520.3/47$

Out: -1.143 ± 0.030 $\chi^2/\text{NDF}: 12475.1/52$

All: -1.112 ± 0.021 $\chi^2/\text{NDF}: 21997.4/100$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.231 $\pm$ 0.003 χ^2 /NDF: 5737.6/24

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF:4459.9/24

Right Out: 0.252 $\pm$ 0.003 χ^2 /NDF: 11641.8/27

Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3661.4/22

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 8251.0/47

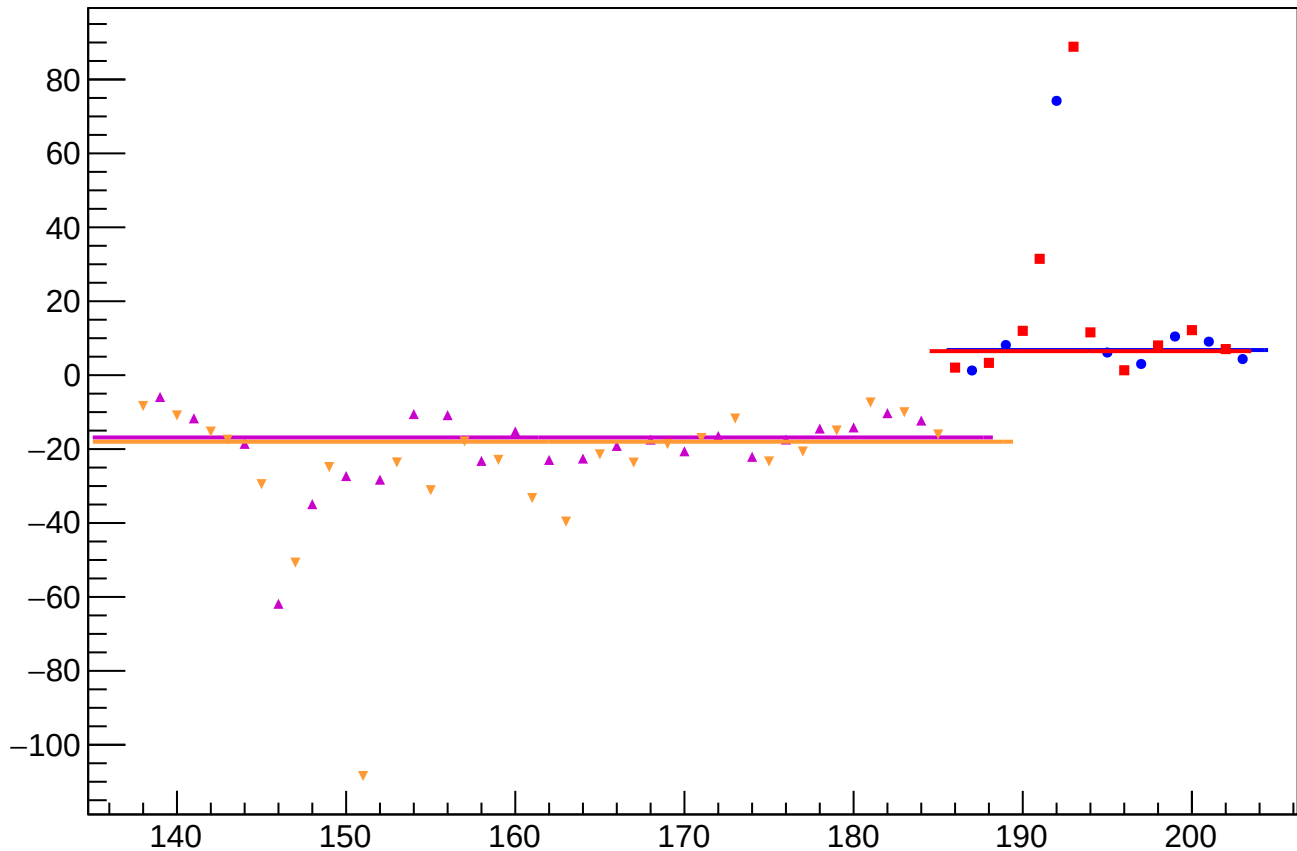
Right: 0.242 $\pm$ 0.002 χ^2 /NDF: 17412.3/52

In: 0.122 $\pm$ 0.001 χ^2 /NDF:11693.7/47

Out: 0.152 $\pm$ 0.001 χ^2 /NDF:18334.8/52

All: 0.137 $\pm$ 0.001 χ^2 /NDF: 30292.0/100

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



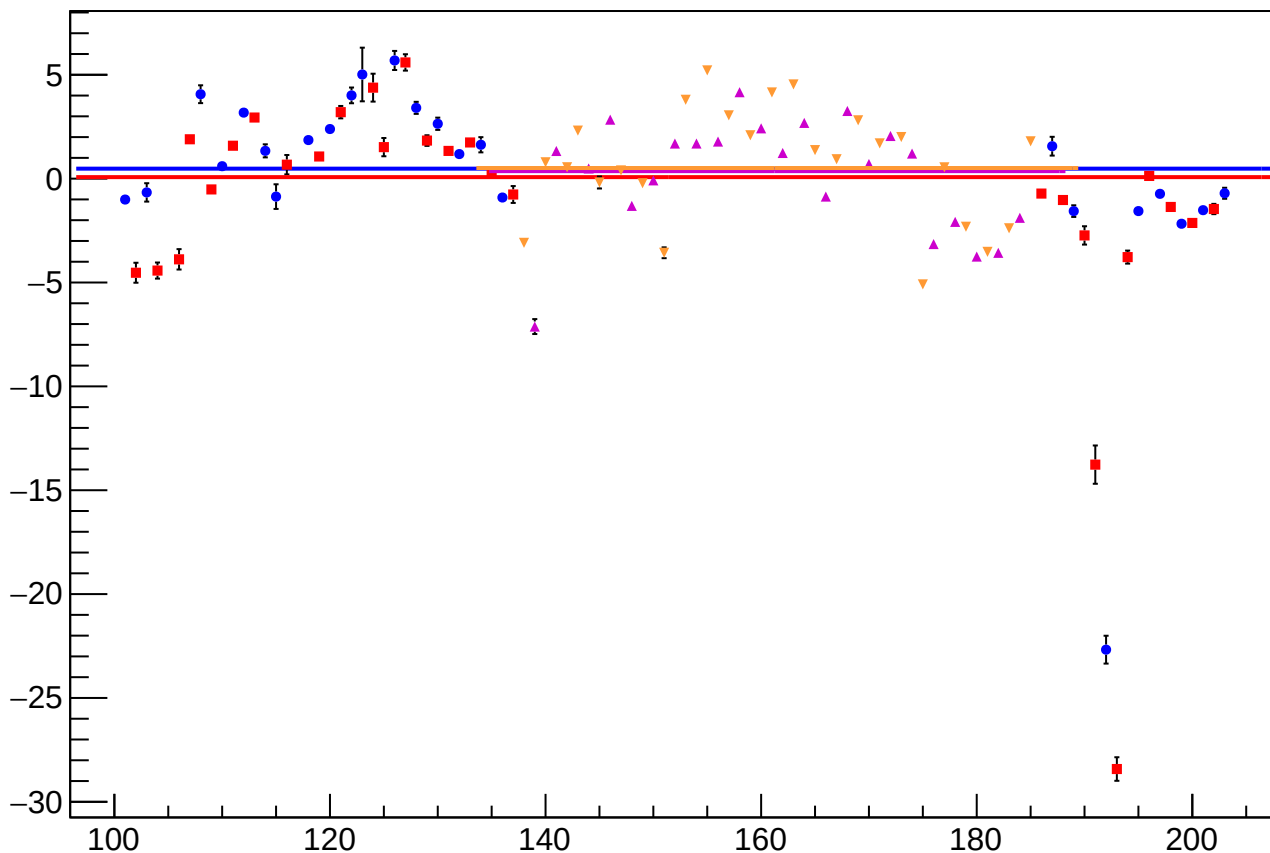
Right In: 6.792 ± 0.077 $\chi^2/\text{NDF}: 12042.5/7$
 Left Out: -18.004 ± 0.039 $\chi^2/\text{NDF}: 88352.2/24$
 Right Out: 6.493 ± 0.067 $\chi^2/\text{NDF}: 25898.9/9$
 Left In: -16.854 ± 0.038 $\chi^2/\text{NDF}: 44680.7/22$

Left: -17.415 ± 0.027 $\chi^2/\text{NDF}: 133485.7/47$
 Right: 6.623 ± 0.051 $\chi^2/\text{NDF}: 37950.0/17$

In: -12.242 ± 0.034 $\chi^2/\text{NDF}: 133248.2/30$
 Out: -11.925 ± 0.034 $\chi^2/\text{NDF}: 213774.8/34$

All: -12.082 ± 0.024 $\chi^2/\text{NDF}: 347067.5/65$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.481+/-0.050 χ^2/NDF : 2607.3/24

Left Out: 0.511+/-0.032 χ^2/NDF : 7053.0/24

Right Out: 0.073+/-0.047 χ^2/NDF : 4418.8/27

Left In: 0.361+/-0.030 χ^2/NDF : 6273.5/22

Left: 0.432+/-0.022 χ^2/NDF : 13338.0/47

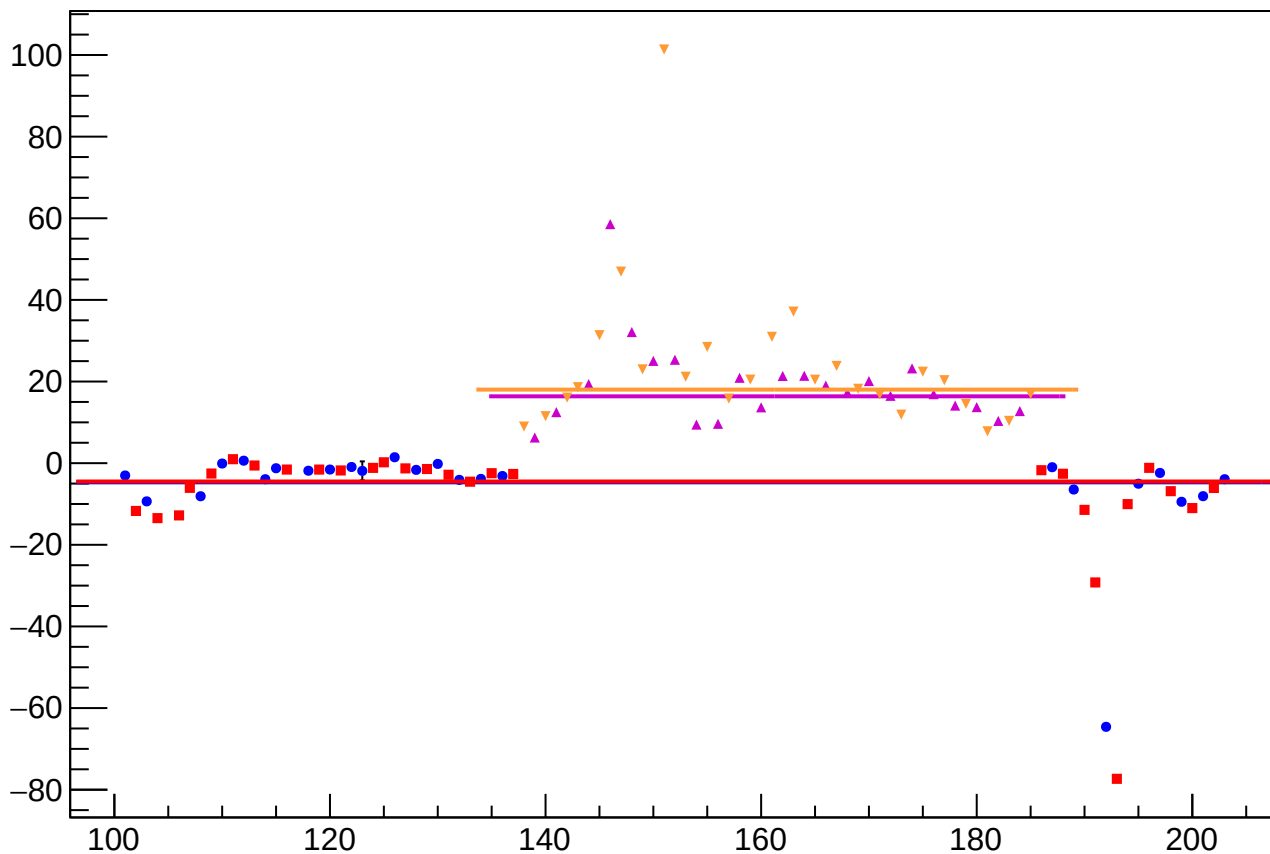
Right: 0.265+/-0.034 χ^2/NDF : 7061.4/52

In: 0.393+/-0.026 χ^2/NDF : 8885.0/47

Out: 0.372+/-0.027 χ^2/NDF : 11530.8/52

All: 0.383+/-0.019 χ^2/NDF : 20416.1/100

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.693+/-0.057 χ^2/NDF : 13582.0/24

Left Out: 18.023+/-0.039 χ^2/NDF : 77674.0/24

Right Out: -4.492+/-0.049 χ^2/NDF : 28058.3/27

Left In: 16.377+/-0.037 χ^2/NDF : 41253.5/22

Left: 17.168+/-0.027 χ^2/NDF : 119859.6/47

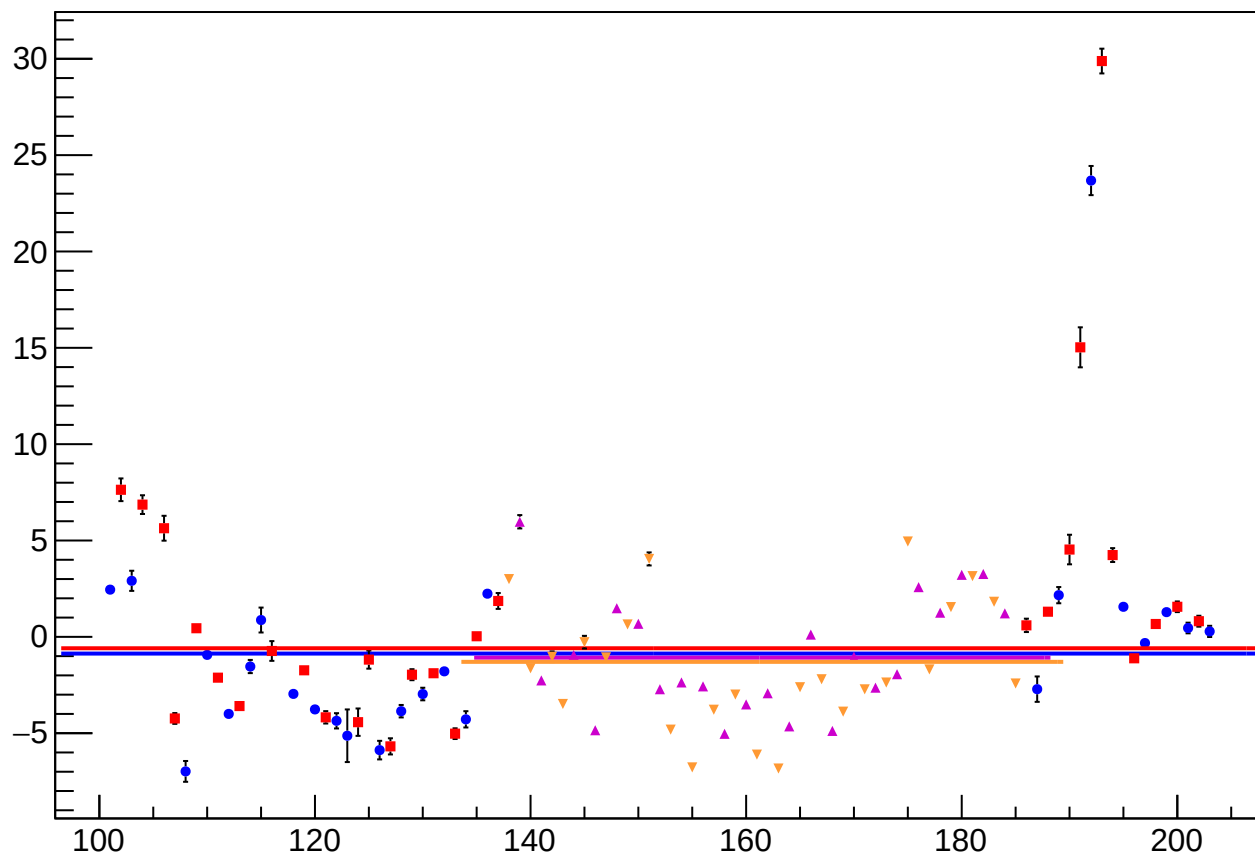
Right: -4.577+/-0.037 χ^2/NDF : 41647.4/52

In: 10.051+/-0.031 χ^2/NDF : 150257.1/47

Out: 9.310+/-0.030 χ^2/NDF : 235658.5/52

All: 9.670+/-0.022 χ^2/NDF : 386204.1/100

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.868 ± 0.058 $\chi^2/\text{NDF}: 2826.9/24$

Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7903.2/24$

Right Out: -0.592 ± 0.055 $\chi^2/\text{NDF}: 4611.8/27$

Left In: -1.081 ± 0.034 $\chi^2/\text{NDF}: 6764.0/22$

Left: -1.183 ± 0.025 $\chi^2/\text{NDF}: 14686.6/47$

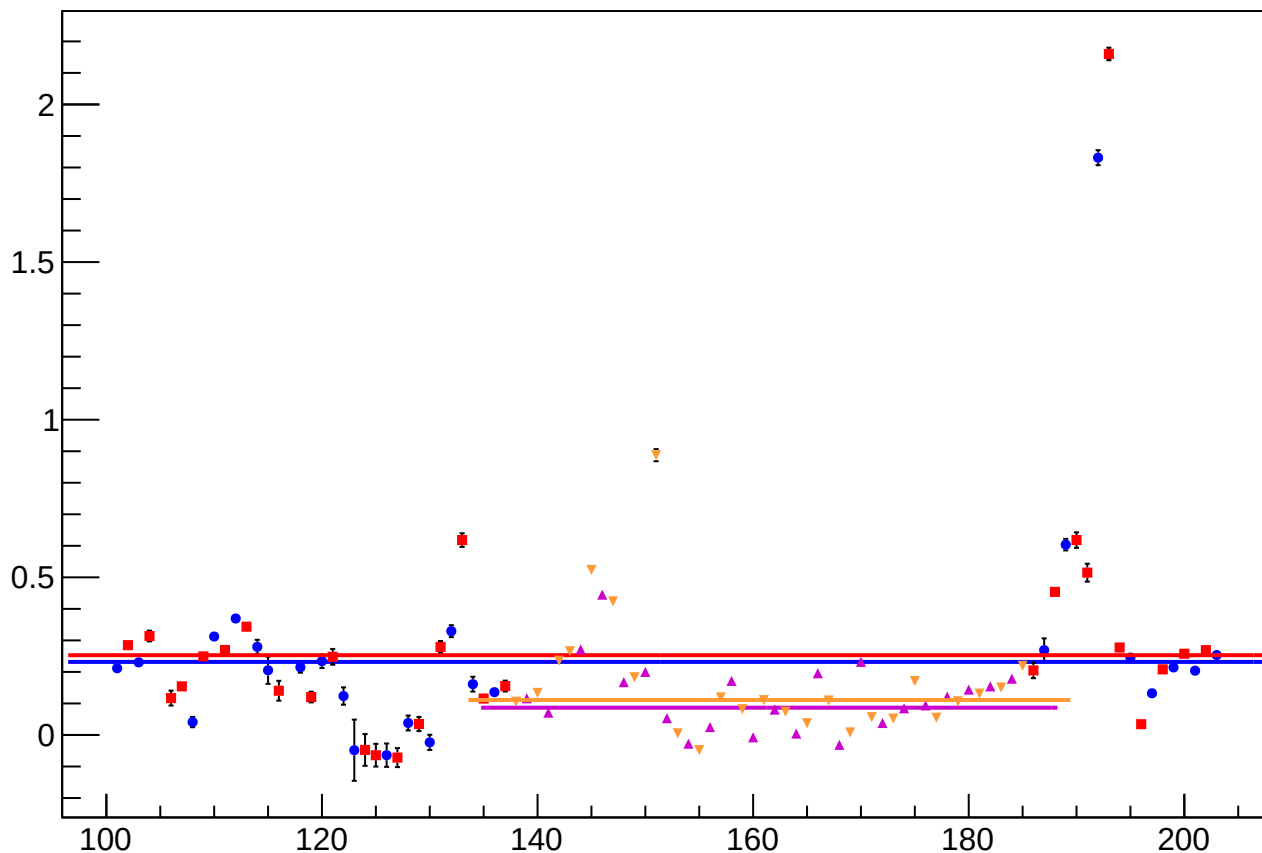
Right: -0.722 ± 0.040 $\chi^2/\text{NDF}: 7450.4/52$

In: -1.027 ± 0.029 $\chi^2/\text{NDF}: 9600.9/47$

Out: -1.089 ± 0.030 $\chi^2/\text{NDF}: 12630.2/52$

All: -1.057 ± 0.021 $\chi^2/\text{NDF}: 22233.3/100$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.232 $\pm$ 0.003 χ^2 /NDF: 5825.6/24

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4452.0/24

Right Out: 0.253 $\pm$ 0.002 χ^2 /NDF: 11779.4/27

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

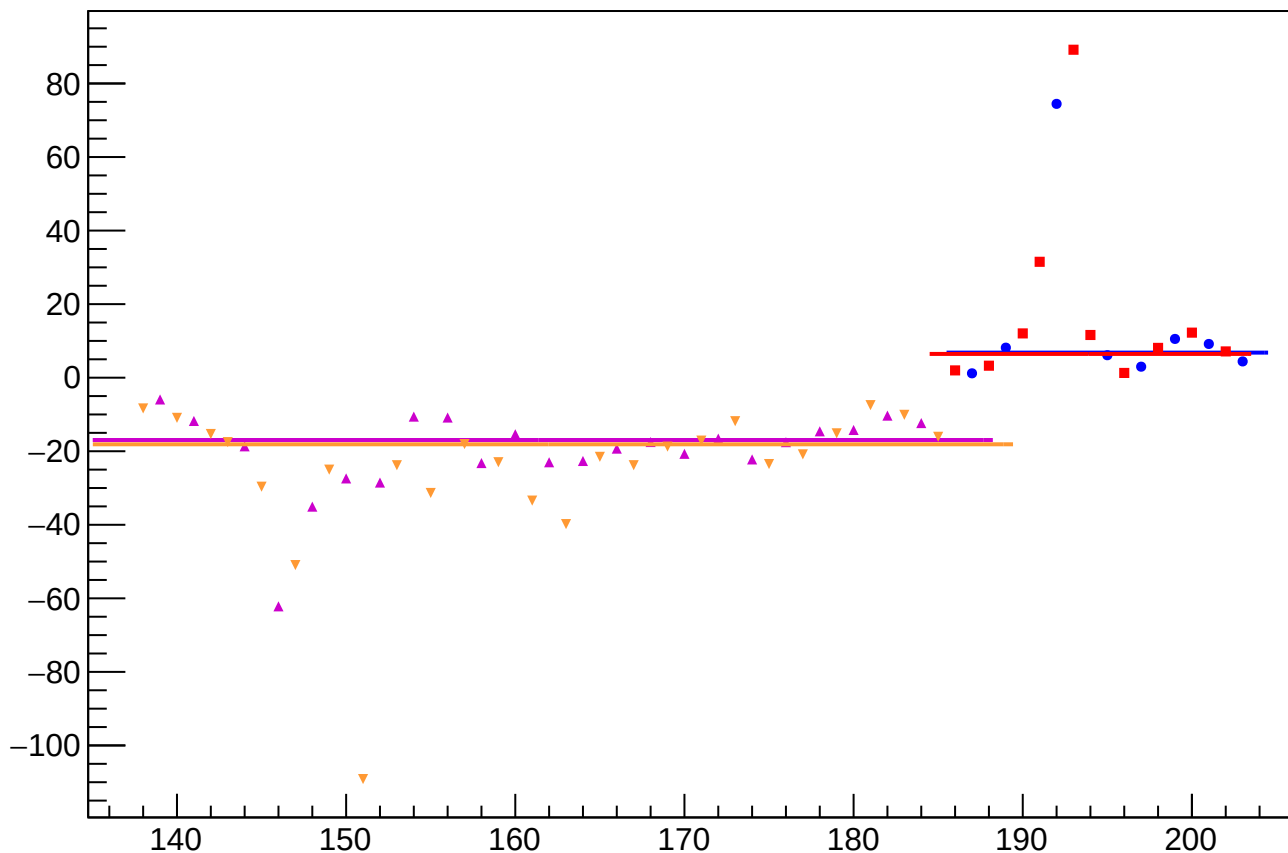
Right: 0.243 $\pm$ 0.002 χ^2 /NDF: 17639.8/52

In: 0.122 $\pm$ 0.001 χ^2 /NDF:11790.3/47

Out: 0.152 $\pm$ 0.001 χ^2 /NDF:18540.9/52

All: 0.137 $\pm$ 0.001 χ^2 /NDF: 30591.9/100

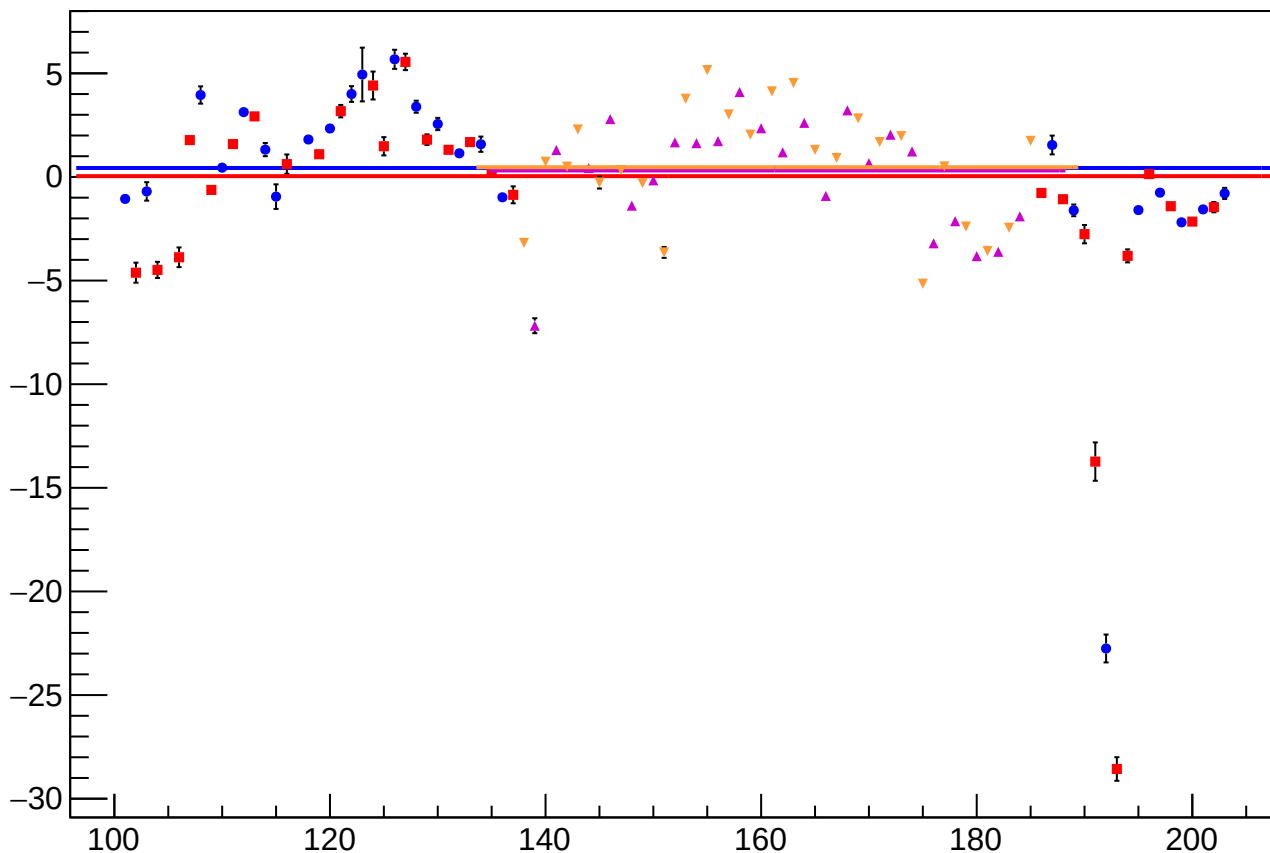
reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.818 ± 0.077 $\chi^2/\text{NDF}: 12059.6/7$
 Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88488.2/24$
 Right Out: 6.462 ± 0.067 $\chi^2/\text{NDF}: 25942.7/9$
 Left In: -16.945 ± 0.038 $\chi^2/\text{NDF}: 44756.2/22$

Left: -17.514 ± 0.027 $\chi^2/\text{NDF}: 133707.4/47$
 Right: 6.616 ± 0.051 $\chi^2/\text{NDF}: 38014.3/17$
 In: -12.335 ± 0.034 $\chi^2/\text{NDF}: 133096.7/30$
 Out: -11.995 ± 0.034 $\chi^2/\text{NDF}: 214034.8/34$
 All: -12.163 ± 0.024 $\chi^2/\text{NDF}: 347181.8/65$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.433 ± 0.050 χ^2/NDF : 2589.9/24

Left Out: 0.469 ± 0.032 χ^2/NDF : 7076.8/24

Right Out: 0.038 ± 0.047 χ^2/NDF : 4413.1/27

Left In: 0.313 ± 0.031 χ^2/NDF : 6235.0/22

Left: 0.386 ± 0.022 χ^2/NDF : 13324.1/47

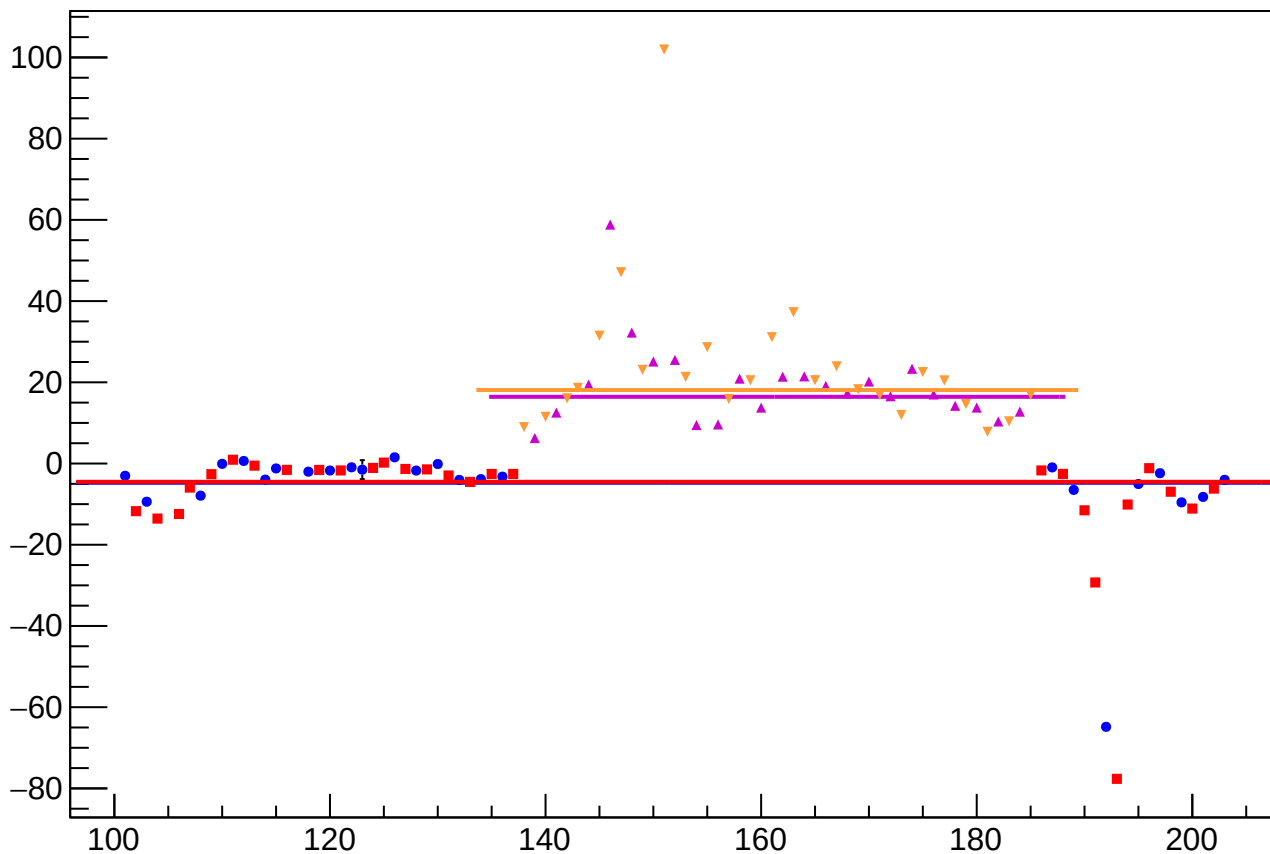
Right: 0.223 ± 0.034 χ^2/NDF : 7035.7/52

In: 0.345 ± 0.026 χ^2/NDF : 8829.0/47

Out: 0.332 ± 0.027 χ^2/NDF : 11546.5/52

All: 0.338 ± 0.019 χ^2/NDF : 20375.6/100

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.730+/-0.057 χ^2/NDF : 13604.4/24

Left Out: 18.098+/-0.039 χ^2/NDF : 77793.7/24

Right Out: -4.502+/-0.049 χ^2/NDF : 28078.6/27

Left In: 16.431+/-0.038 χ^2/NDF : 41337.1/22

Left: 17.232+/-0.027 χ^2/NDF : 120078.5/47

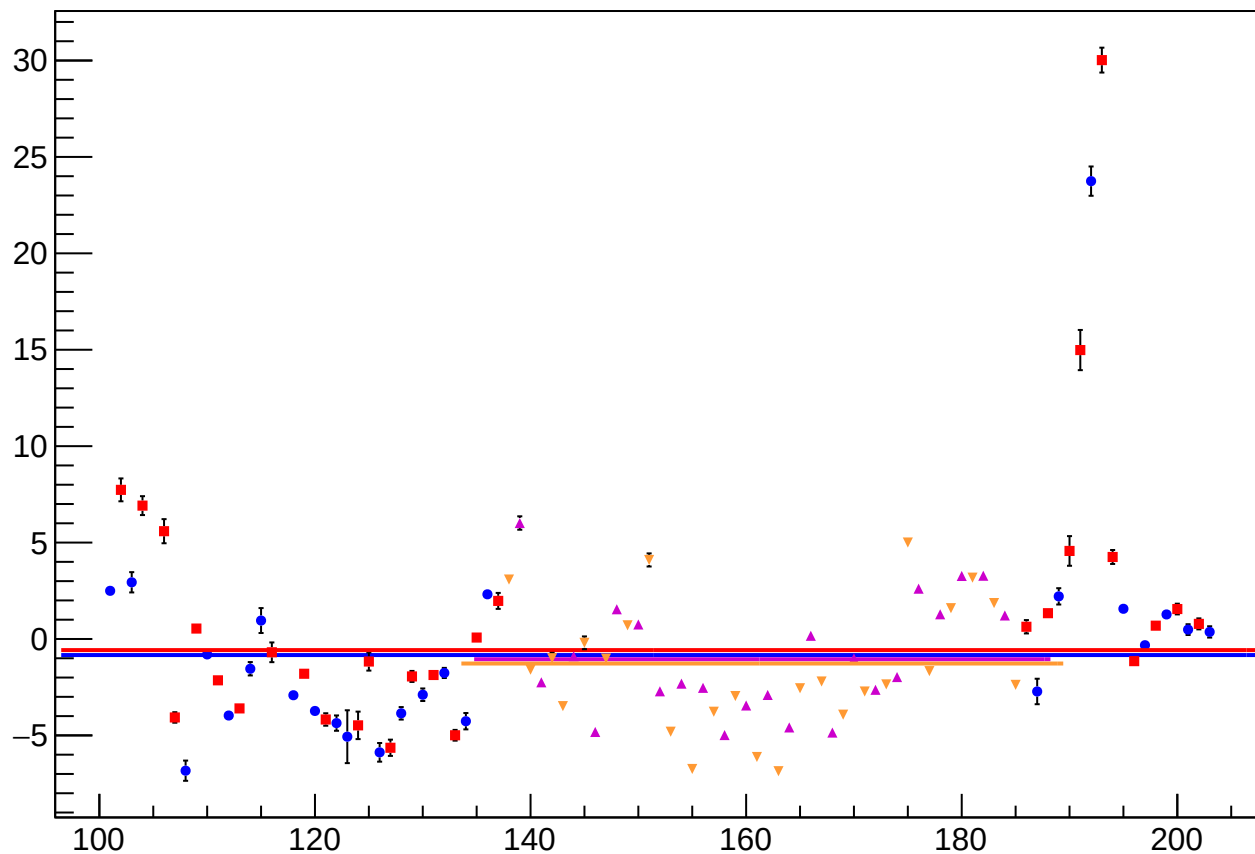
Right: -4.598+/-0.037 χ^2/NDF : 41692.2/52

In: 10.101+/-0.031 χ^2/NDF : 150092.5/47

Out: 9.335+/-0.031 χ^2/NDF : 235903.5/52

All: 9.707+/-0.022 χ^2/NDF : 386302.3/100

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected

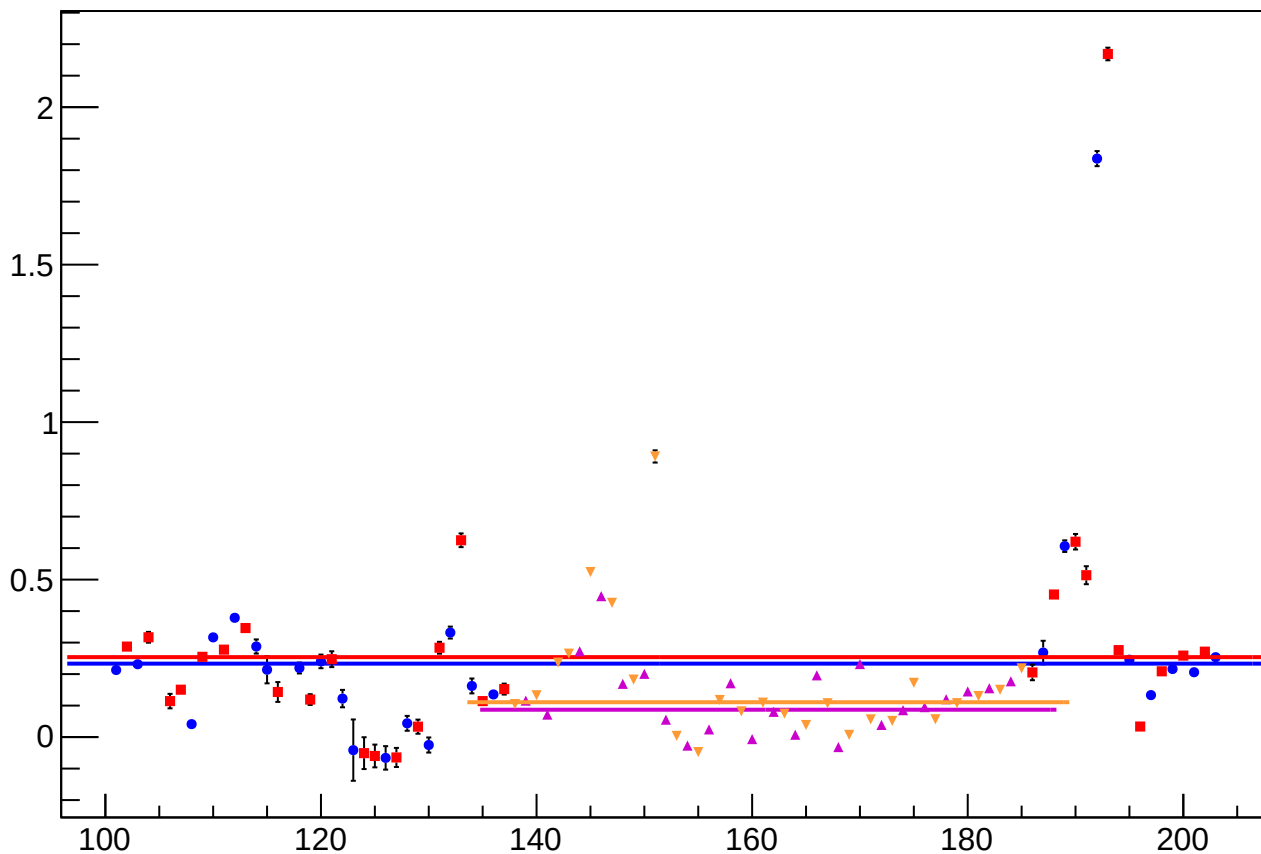


Right In: -0.834 ± 0.059 $\chi^2/\text{NDF}: 2815.8/24$
 Left Out: -1.273 ± 0.036 $\chi^2/\text{NDF}: 7931.0/24$
 Right Out: -0.577 ± 0.055 $\chi^2/\text{NDF}: 4610.7/27$
 Left In: -1.050 ± 0.034 $\chi^2/\text{NDF}: 6713.0/22$

Left: -1.156 ± 0.025 $\chi^2/\text{NDF}: 14664.3/47$
 Right: -0.697 ± 0.040 $\chi^2/\text{NDF}: 7436.6/52$
 In: -0.996 ± 0.029 $\chi^2/\text{NDF}: 9538.9/47$
 Out: -1.067 ± 0.030 $\chi^2/\text{NDF}: 12653.2/52$

All: -1.031 ± 0.021 $\chi^2/\text{NDF}: 22195.0/100$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.233 $\pm$ 0.003 χ^2 /NDF: 5839.9/24

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4430.3/24

Right Out: 0.254 $\pm$ 0.003 χ^2 /NDF: 11795.2/27

Left In: 0.087 $\pm$ 0.001 χ^2 /NDF:3604.3/22

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 8153.0/47

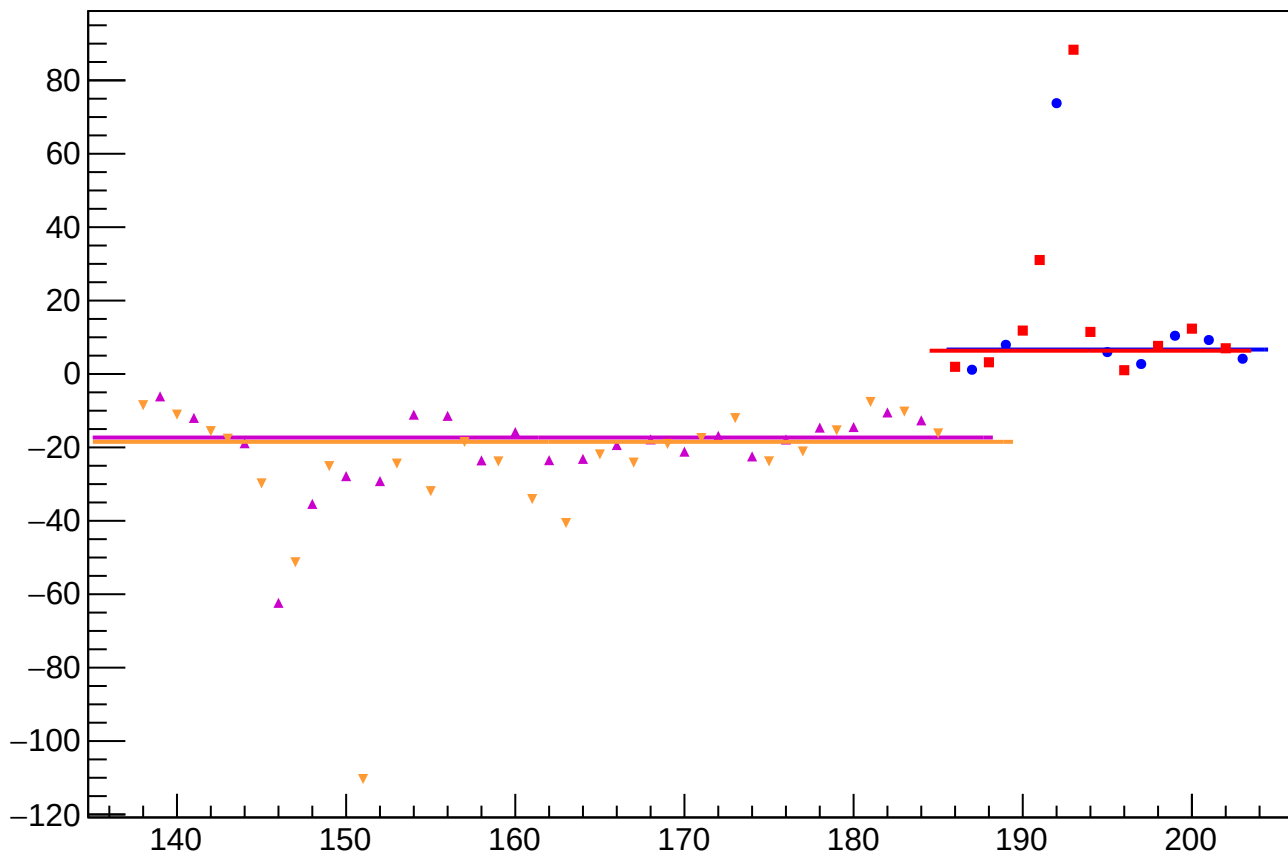
Right: 0.244 $\pm$ 0.002 χ^2 /NDF: 17667.4/52

In: 0.123 $\pm$ 0.001 χ^2 /NDF:11787.8/47

Out: 0.152 $\pm$ 0.001 χ^2 /NDF:18548.5/52

All: 0.137 $\pm$ 0.001 χ^2 /NDF: 30588.8/100

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.660 $\pm$ 0.078 χ^2 /NDF: 11878.9/7

Left Out: -18.478 $\pm$ 0.040 χ^2 /NDF: 87856.5/24

Right Out: 6.346 $\pm$ 0.068 χ^2 /NDF: 25473.7/9

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

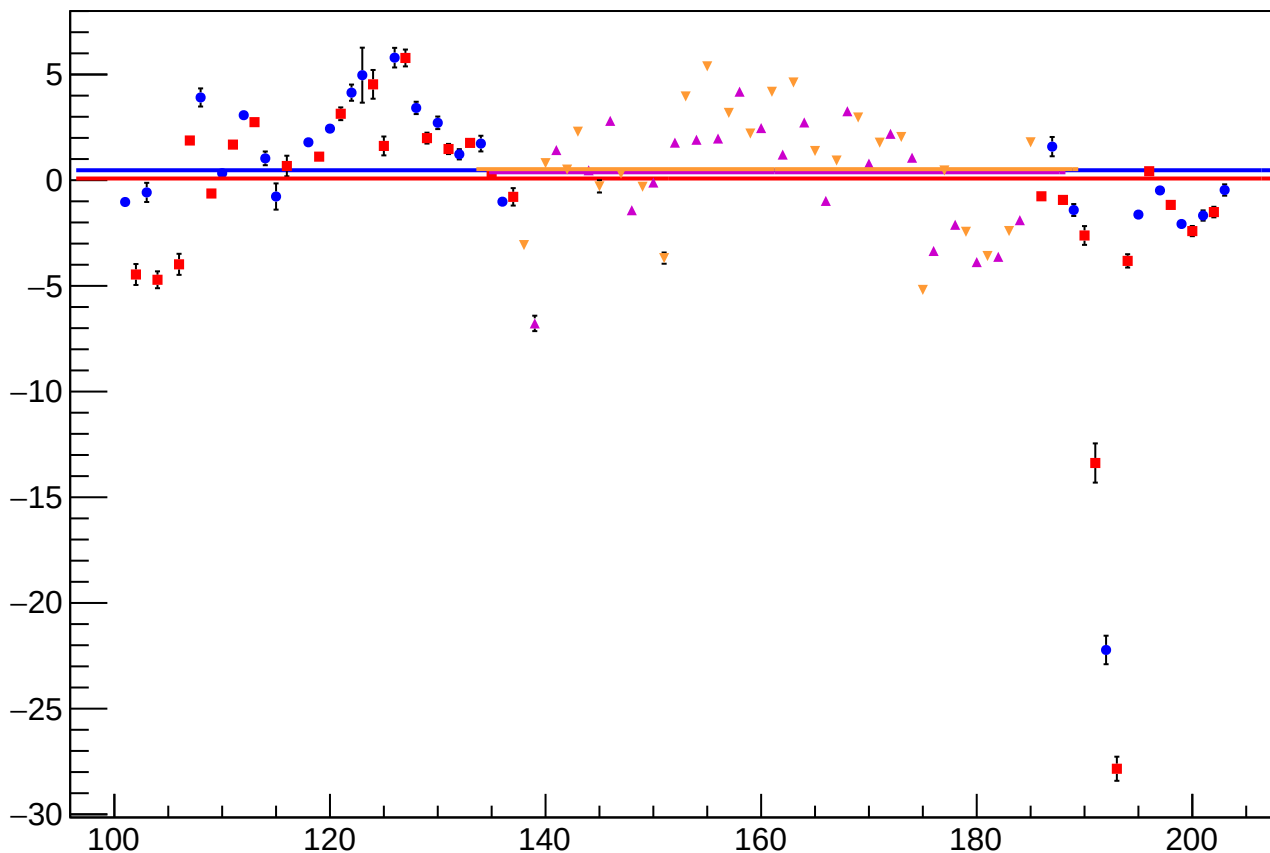
Right: 6.481 $\pm$ 0.051 χ^2 /NDF: 37361.9/17

In: -12.519 $\pm$ 0.035 χ^2 /NDF: 131953.7/30

Out: -12.119 $\pm$ 0.034 χ^2 /NDF: 213248.2/34

All: -12.317 $\pm$ 0.024 χ^2 /NDF: 345269.3/65

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.470 ± 0.051 χ^2/NDF : 2483.8/24

Left Out: 0.522 ± 0.033 χ^2/NDF : 7038.3/24

Right Out: 0.079 ± 0.048 χ^2/NDF : 4259.6/27

Left In: 0.373 ± 0.031 χ^2/NDF : 6263.9/22

Left: 0.443 ± 0.023 χ^2/NDF : 13312.8/47

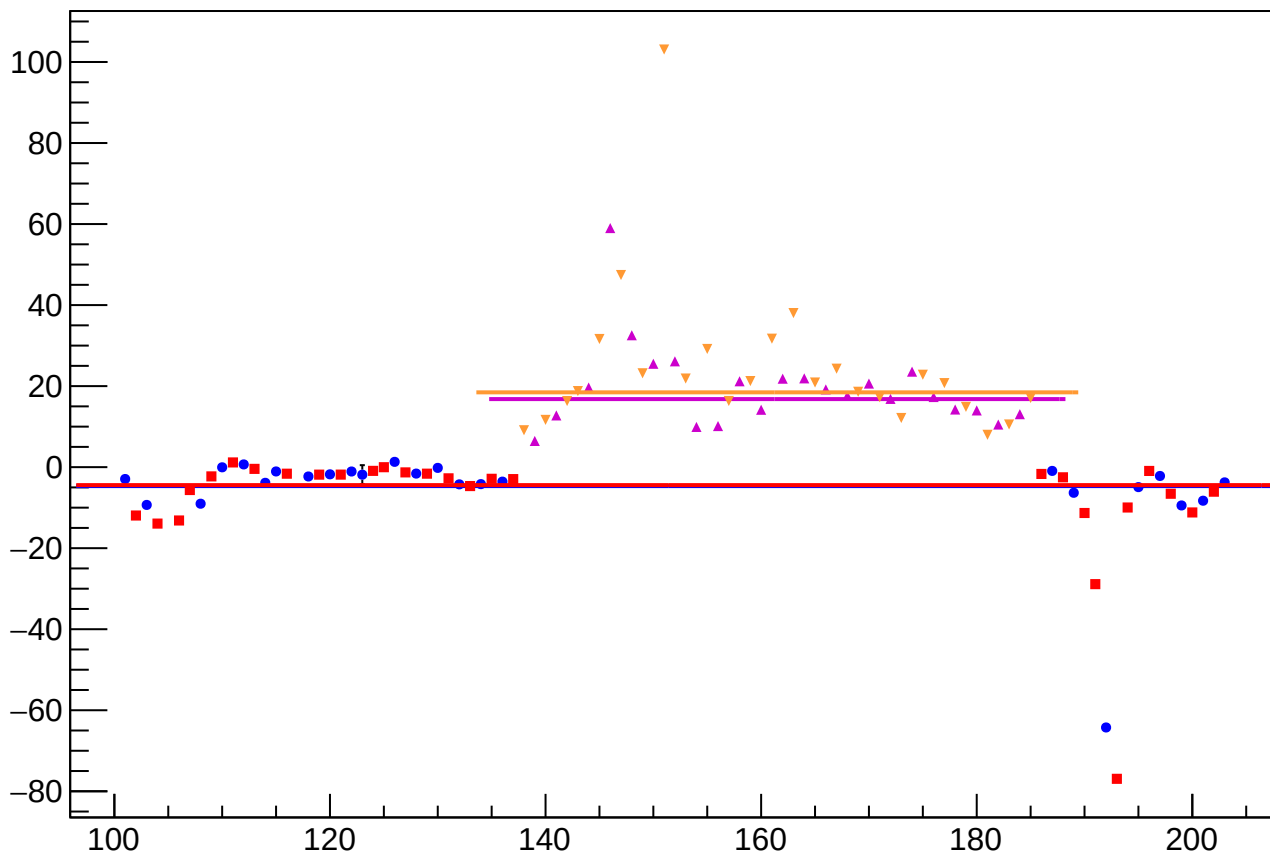
Right: 0.263 ± 0.035 χ^2/NDF : 6774.6/52

In: 0.400 ± 0.027 χ^2/NDF : 8750.3/47

Out: 0.379 ± 0.027 χ^2/NDF : 11355.7/52

All: 0.390 ± 0.019 χ^2/NDF : 20106.2/100

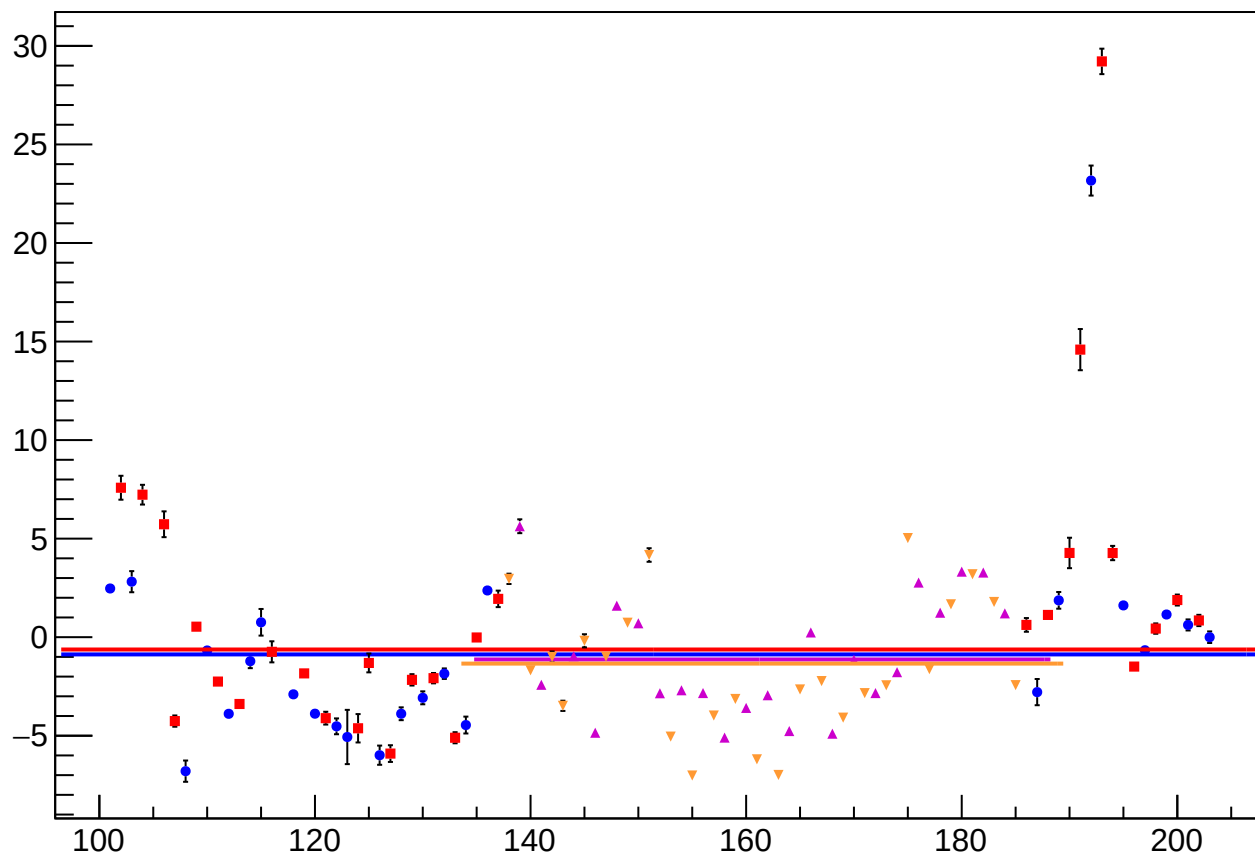
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.676+/-0.058 χ^2/NDF : 13322.8/24
 Left Out: 18.463+/-0.040 χ^2/NDF : 77193.5/24
 Right Out: -4.434+/-0.049 χ^2/NDF : 27576.1/27
 Left In: 16.798+/-0.038 χ^2/NDF : 40258.9/22

Left: 17.599+/-0.028 χ^2/NDF : 118354.8/47
 Right: -4.536+/-0.038 χ^2/NDF : 40909.0/52
 In: 10.237+/-0.032 χ^2/NDF : 149008.0/47
 Out: 9.422+/-0.031 χ^2/NDF : 234638.8/52
 All: 9.817+/-0.022 χ^2/NDF : 383980.7/100

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected

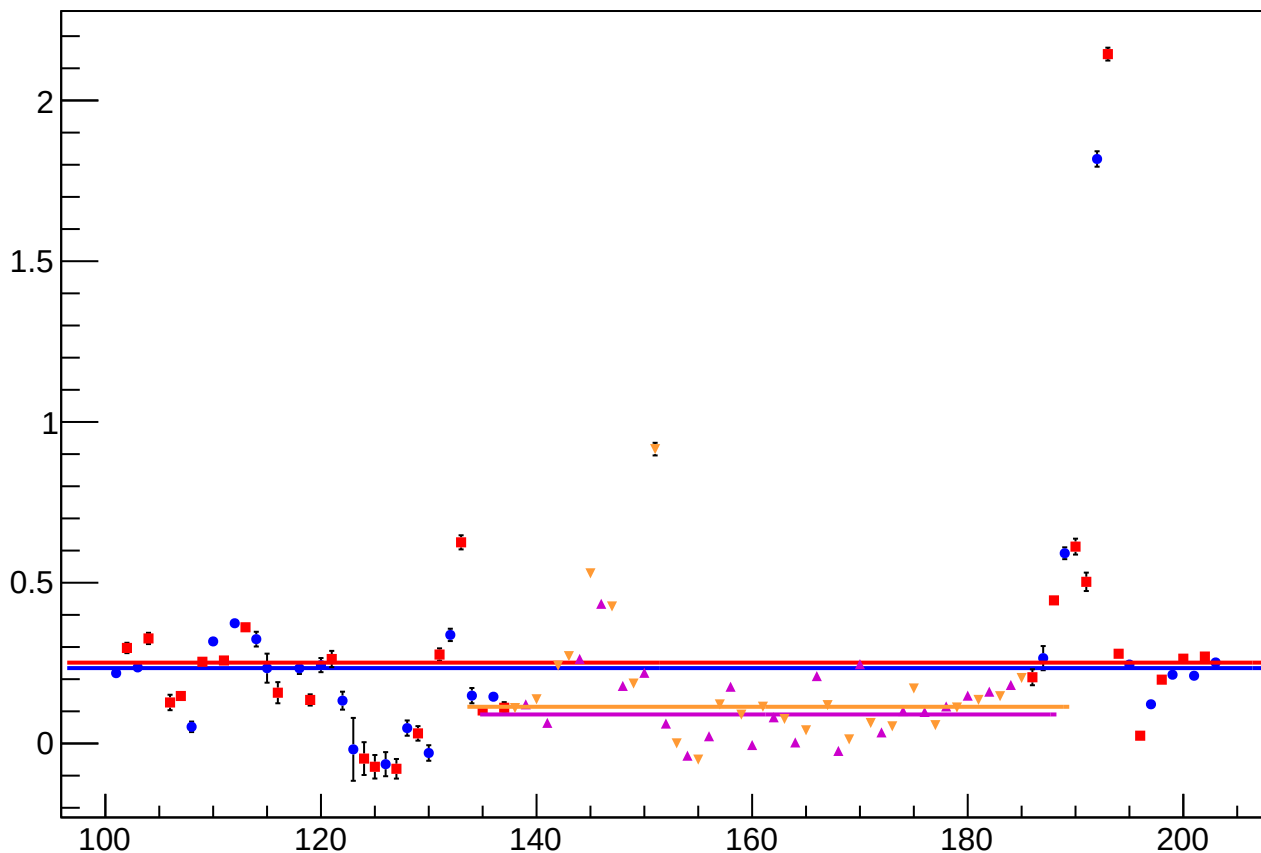


Right In: -0.875 ± 0.060 $\chi^2/\text{NDF}: 2721.9/24$
 Left Out: -1.341 ± 0.037 $\chi^2/\text{NDF}: 7886.0/24$
 Right Out: -0.625 ± 0.056 $\chi^2/\text{NDF}: 4460.9/27$
 Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6743.4/22$

Left: -1.231 ± 0.025 $\chi^2/\text{NDF}: 14646.5/47$
 Right: -0.743 ± 0.041 $\chi^2/\text{NDF}: 7192.1/52$
 In: -1.066 ± 0.030 $\chi^2/\text{NDF}: 9479.2/47$
 Out: -1.127 ± 0.031 $\chi^2/\text{NDF}: 12460.6/52$

All: -1.096 ± 0.021 $\chi^2/\text{NDF}: 21941.8/100$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.234 $\pm$ 0.003 χ^2 /NDF: 5657.9/24

Left Out: 0.114 $\pm$ 0.002 χ^2 /NDF:4382.5/24

Right Out: 0.251 $\pm$ 0.003 χ^2 /NDF: 11642.7/27

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

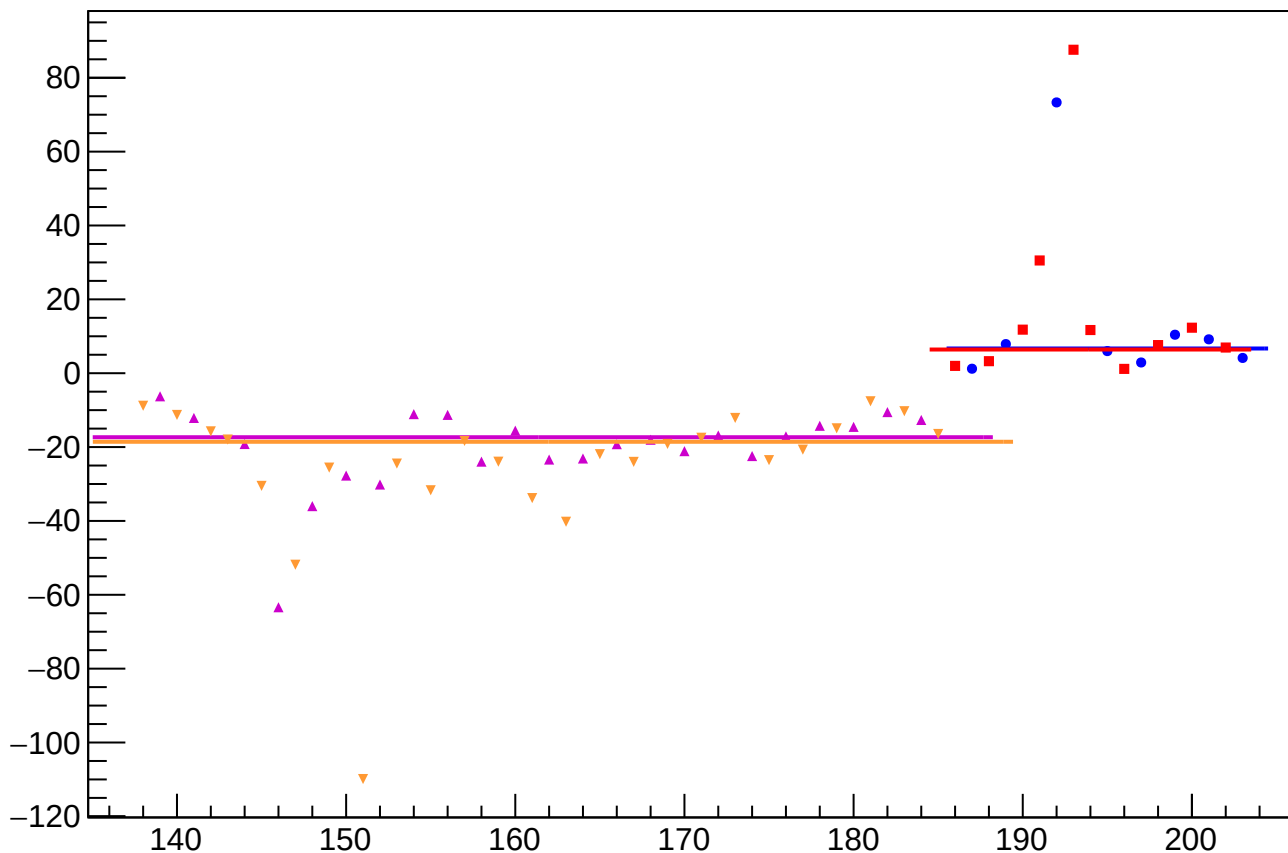
Right: 0.243 $\pm$ 0.002 χ^2 /NDF: 17322.2/52

In: 0.126 $\pm$ 0.001 χ^2 /NDF:11549.2/47

Out: 0.155 $\pm$ 0.001 χ^2 /NDF:18101.8/52

All: 0.140 $\pm$ 0.001 χ^2 /NDF: 29873.3/100

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



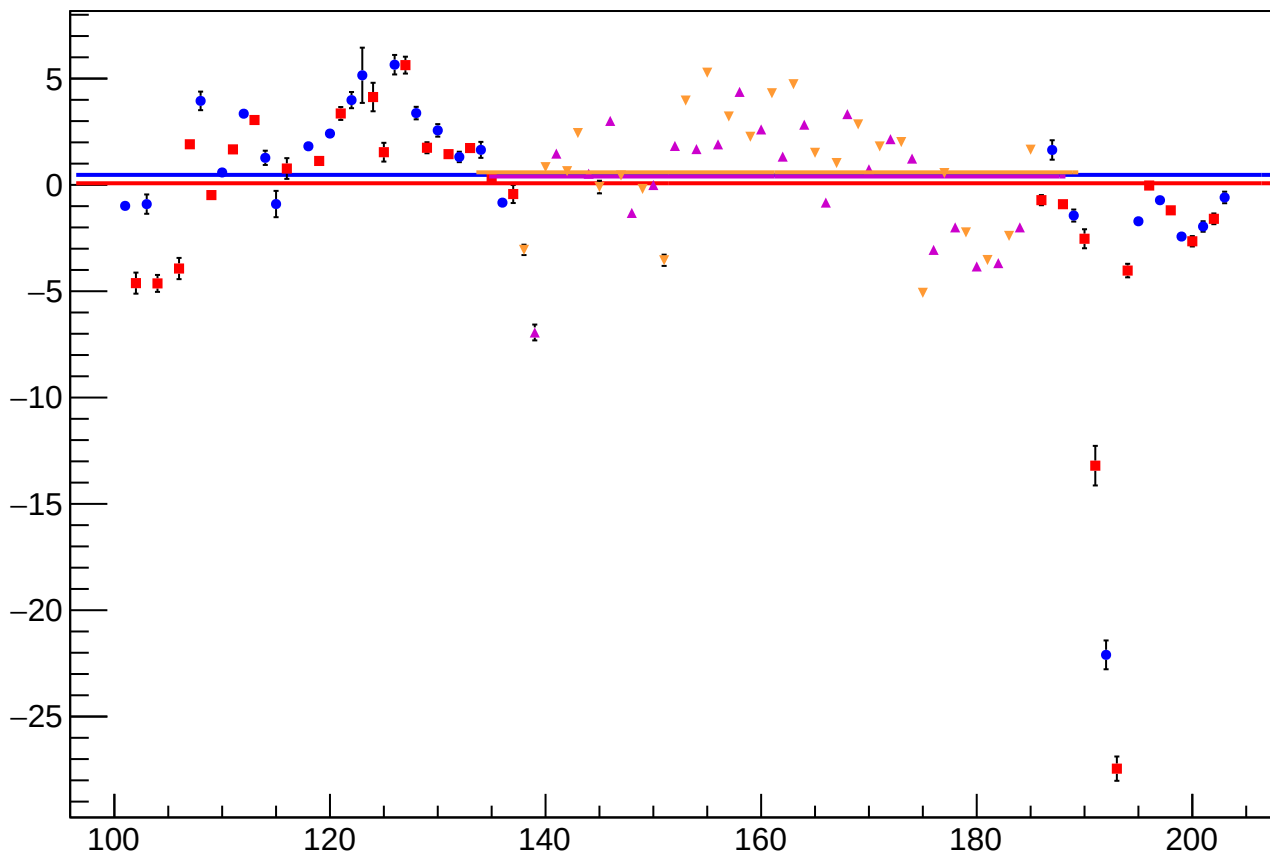
Right In: 6.693 ± 0.079 $\chi^2/\text{NDF}: 11537.0/7$
 Left Out: -18.565 ± 0.040 $\chi^2/\text{NDF}: 86349.5/24$
 Right Out: 6.415 ± 0.069 $\chi^2/\text{NDF}: 24813.2/9$
 Left In: -17.335 ± 0.039 $\chi^2/\text{NDF}: 44078.7/22$

Left: -17.934 ± 0.028 $\chi^2/\text{NDF}: 130909.9/47$
 Right: 6.535 ± 0.052 $\chi^2/\text{NDF}: 36357.4/17$

In: -12.552 ± 0.035 $\chi^2/\text{NDF}: 130611.6/30$
 Out: -12.193 ± 0.035 $\chi^2/\text{NDF}: 209956.4/34$

All: -12.370 ± 0.025 $\chi^2/\text{NDF}: 340621.2/65$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.471 $\pm$ 0.051 χ^2 /NDF: 2536.1/24

Left Out: 0.590 $\pm$ 0.033 χ^2 /NDF: 6780.3/24

Right Out: 0.077 $\pm$ 0.049 χ^2 /NDF: 4208.1/27

Left In: 0.394 $\pm$ 0.032 χ^2 /NDF: 6112.7/22

Left: 0.487 $\pm$ 0.023 χ^2 /NDF: 12911.2/47

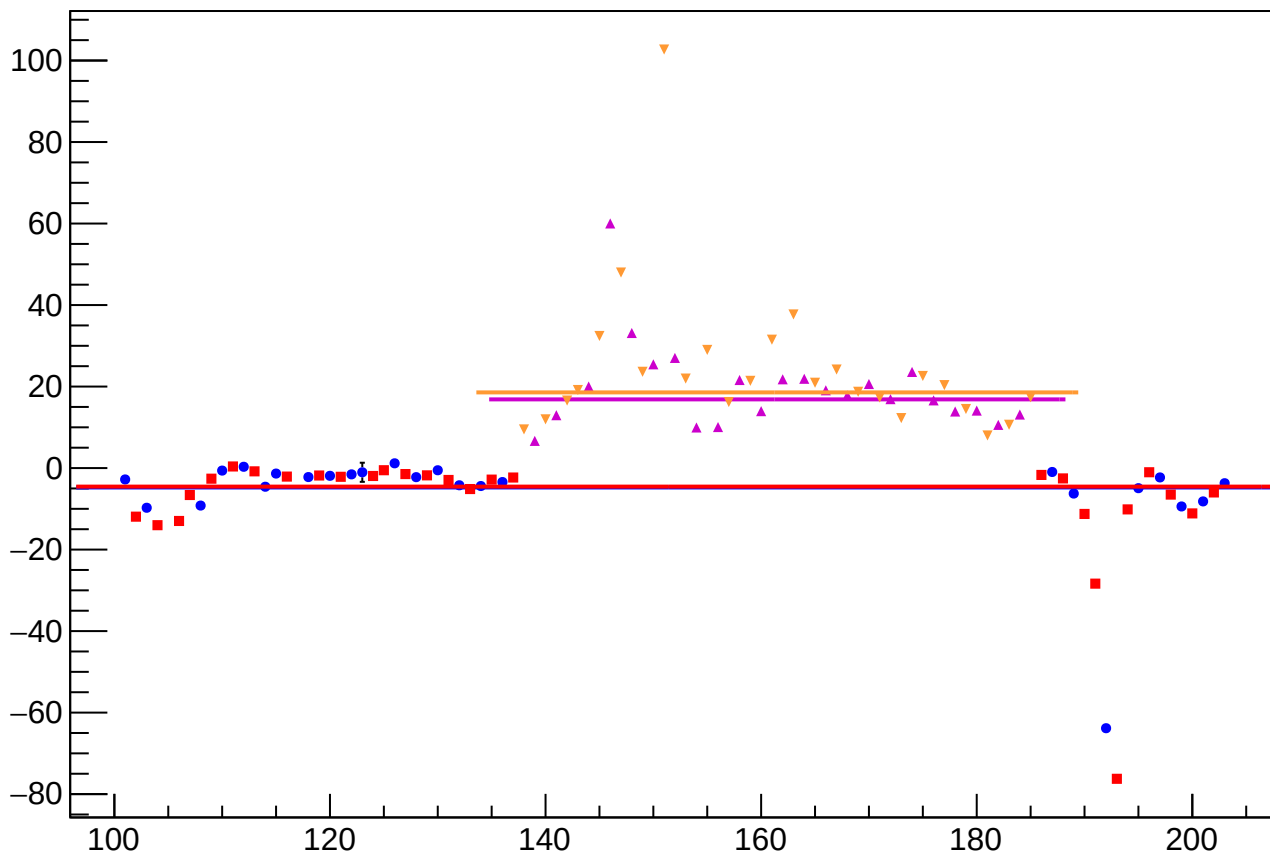
Right: 0.263 $\pm$ 0.035 χ^2 /NDF: 6775.2/52

In: 0.415 $\pm$ 0.027 χ^2 /NDF: 8650.4/47

Out: 0.426 $\pm$ 0.027 χ^2 /NDF: 11064.4/52

All: 0.421 $\pm$ 0.019 χ^2 /NDF: 19714.9/100

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.753 ± 0.059 $\chi^2/\text{NDF}: 12802.4/24$

Left Out: 18.569 ± 0.040 $\chi^2/\text{NDF}: 75983.2/24$

Right Out: -4.549 ± 0.050 $\chi^2/\text{NDF}: 26680.3/27$

Left In: 16.854 ± 0.039 $\chi^2/\text{NDF}: 40590.0/22$

Left: 17.679 ± 0.028 $\chi^2/\text{NDF}: 117514.0/47$

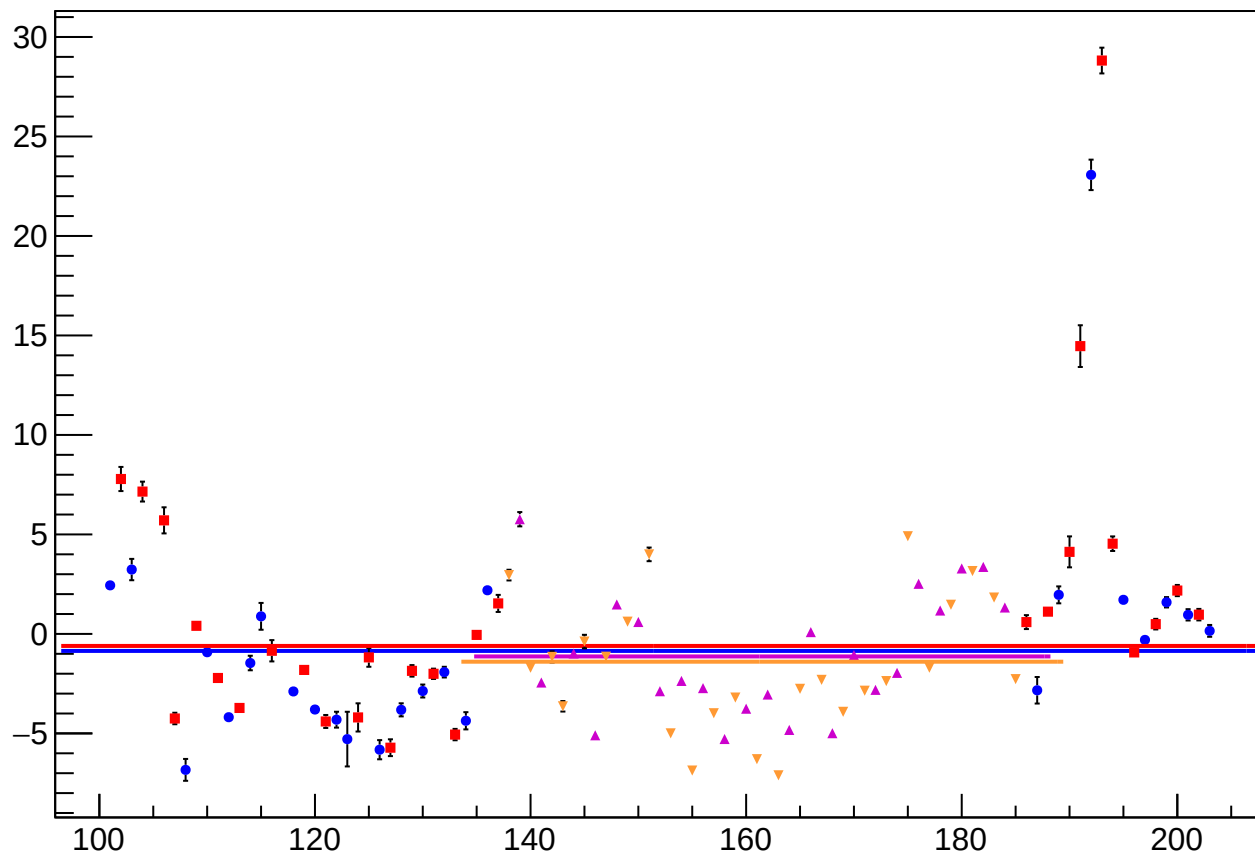
Right: -4.635 ± 0.038 $\chi^2/\text{NDF}: 39489.8/52$

In: 10.284 ± 0.032 $\chi^2/\text{NDF}: 147843.9/47$

Out: 9.501 ± 0.031 $\chi^2/\text{NDF}: 231748.2/52$

All: 9.881 ± 0.023 $\chi^2/\text{NDF}: 379893.2/100$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected

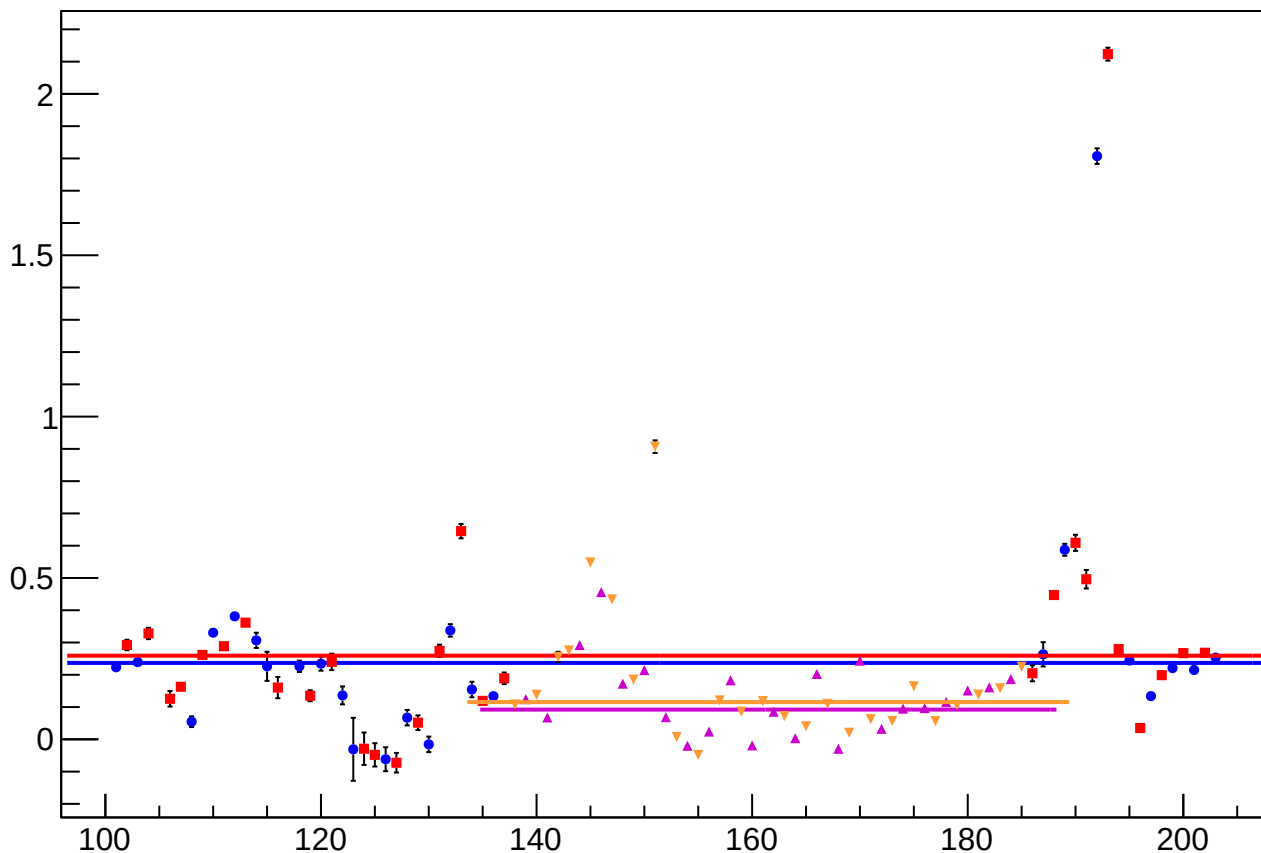


Right In: -0.854 ± 0.060 $\chi^2/\text{NDF}: 2726.2/24$
 Left Out: -1.397 ± 0.037 $\chi^2/\text{NDF}: 7631.3/24$
 Right Out: -0.604 ± 0.057 $\chi^2/\text{NDF}: 4393.2/27$
 Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6638.3/22$

Left: -1.258 ± 0.025 $\chi^2/\text{NDF}: 14296.5/47$
 Right: -0.723 ± 0.041 $\chi^2/\text{NDF}: 7128.6/52$
 In: -1.062 ± 0.030 $\chi^2/\text{NDF}: 9380.4/47$
 Out: -1.162 ± 0.031 $\chi^2/\text{NDF}: 12160.5/52$

All: -1.111 ± 0.022 $\chi^2/\text{NDF}: 21546.3/100$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.237 $\pm$ 0.003 χ^2 /NDF: 5485.0/24

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF:4423.4/24

Right Out: 0.259 $\pm$ 0.003 χ^2 /NDF: 11116.7/27

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: 0.248 $\pm$ 0.002 χ^2 /NDF: 16637.9/52

In: 0.128 $\pm$ 0.001 χ^2 /NDF:11291.7/47

Out: 0.157 $\pm$ 0.001 χ^2 /NDF:17750.2/52

All: 0.142 $\pm$ 0.001 χ^2 /NDF: 29274.1/100