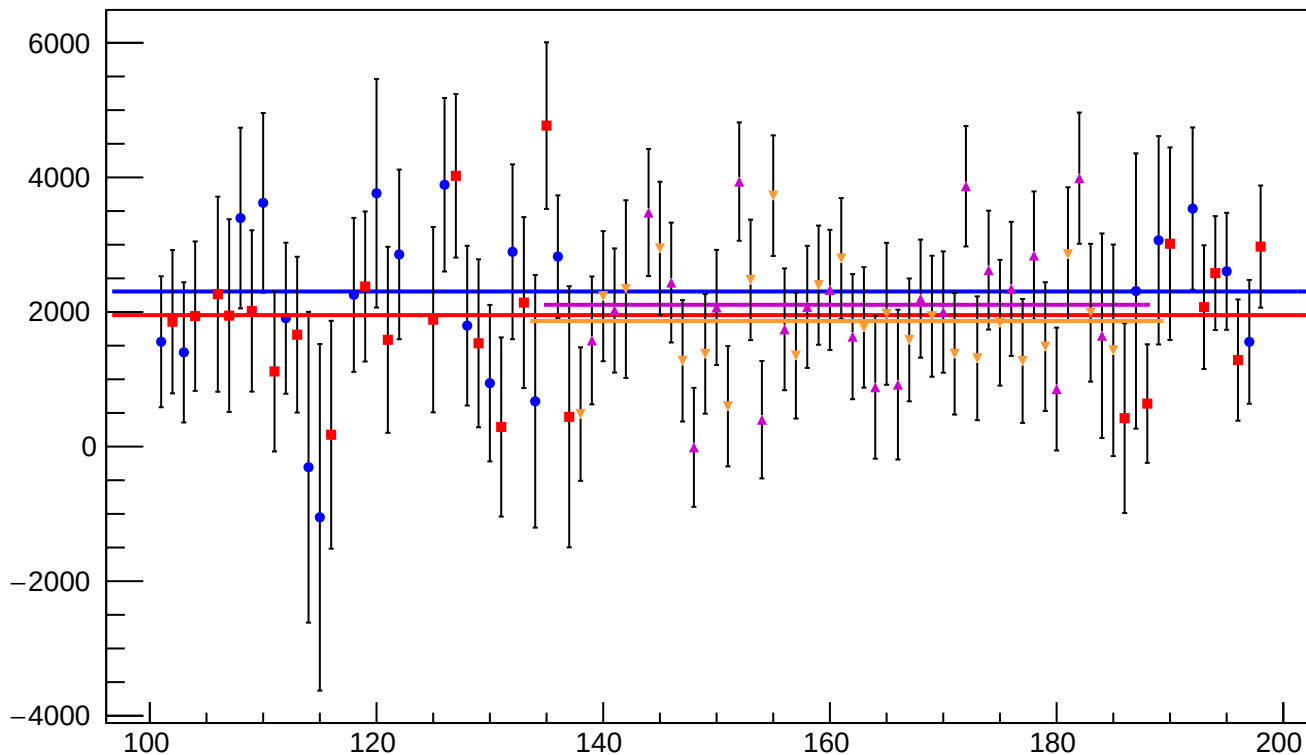


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2305.085 $\pm$ 267.719

Left Out: 1867.512 $\pm$ 194.801

Right Out: 1953.781 $\pm$ 237.431

Left In: 2107.246 $\pm$ 194.959

χ^2 /NDF: 13.4/20

χ^2 /NDF:15.1/23

χ^2 /NDF: 18.6/23

χ^2 /NDF:30.0/22

Left: 1987.282 $\pm$ 137.801

Right: 2108.445 $\pm$ 177.637

In: 2175.805 $\pm$ 157.599

Out: 1902.220 $\pm$ 150.600

All: 2032.802 $\pm$ 108.881

χ^2 /NDF: 45.9/46

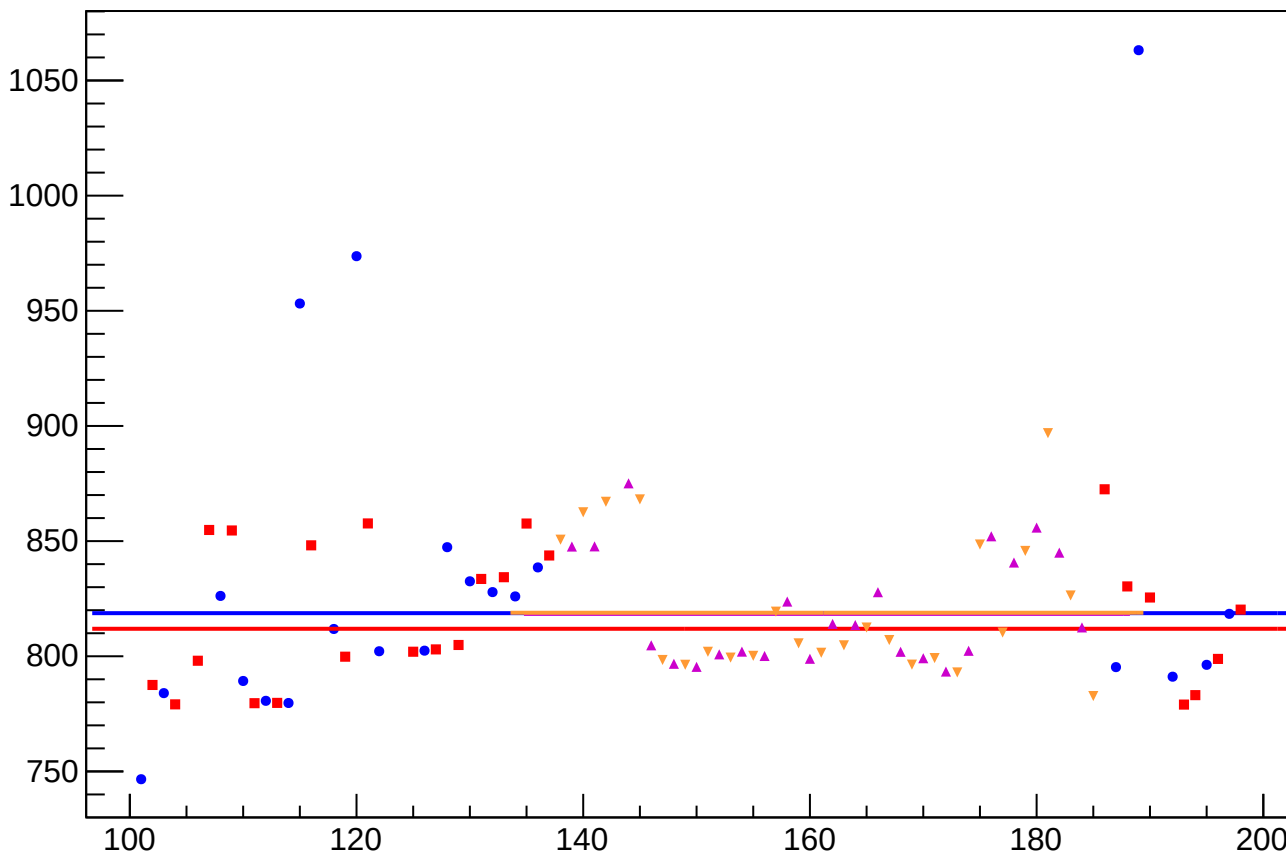
χ^2 /NDF: 33.0/44

χ^2 /NDF:43.8/43

χ^2 /NDF:33.8/47

χ^2 /NDF: 79.2/91

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 818.717 $\pm$ 0.189 χ^2/NDF : 95023.4/20

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

Right Out: 811.937 $\pm$ 0.168 χ^2/NDF : 28586.3/23

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

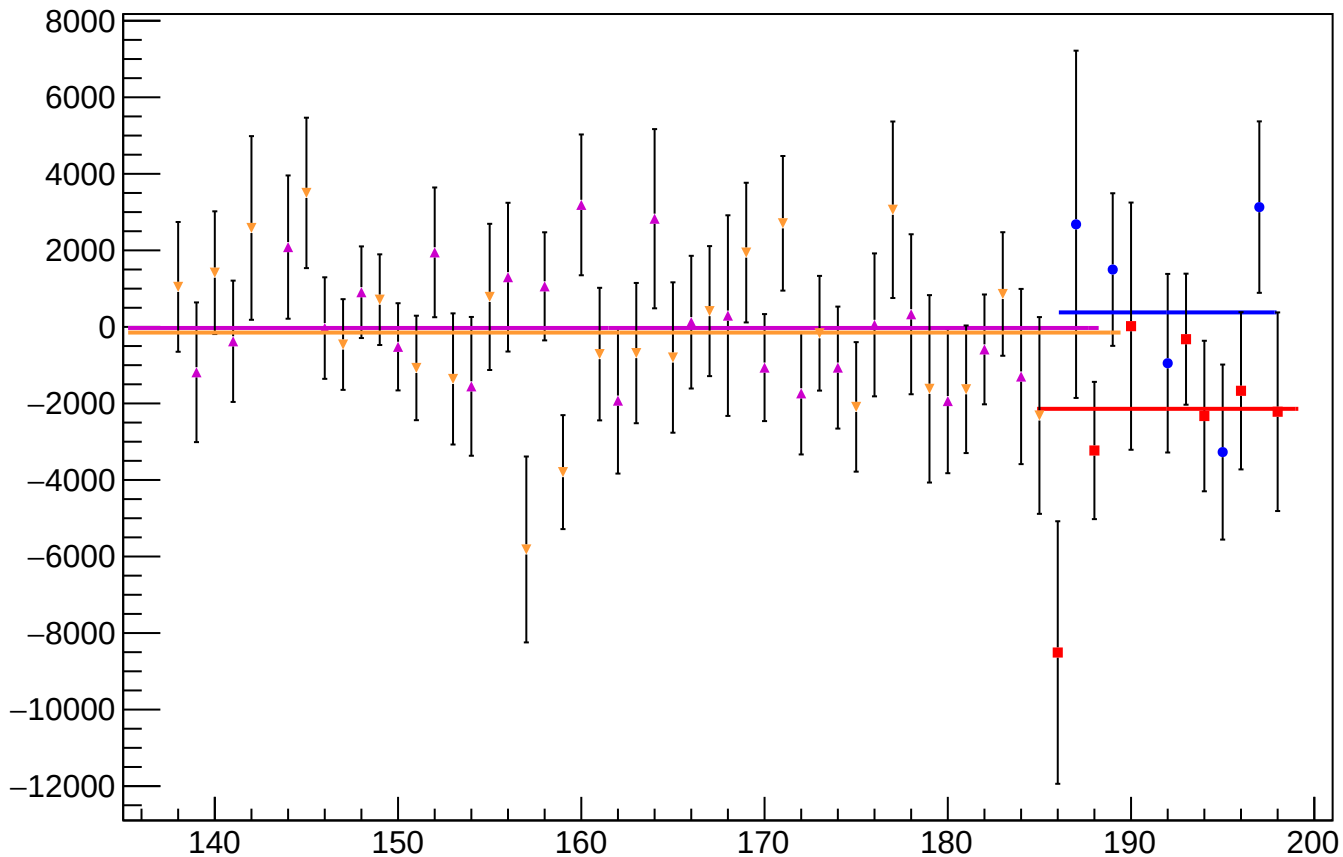
Right: 814.922 $\pm$ 0.126 χ^2/NDF : 124327.7/44

In: 818.512 $\pm$ 0.111 χ^2/NDF : 124932.2/43

Out: 816.099 $\pm$ 0.106 χ^2/NDF : 71285.3/47

All: 817.250 $\pm$ 0.077 χ^2/NDF : 196462.6/91

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: 379.020 $\pm$ 1069.537 χ^2 /NDF: 5.0/4

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

Right Out: -2140.891 $\pm$ 822.889 χ^2 /NDF: 5.5/6

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

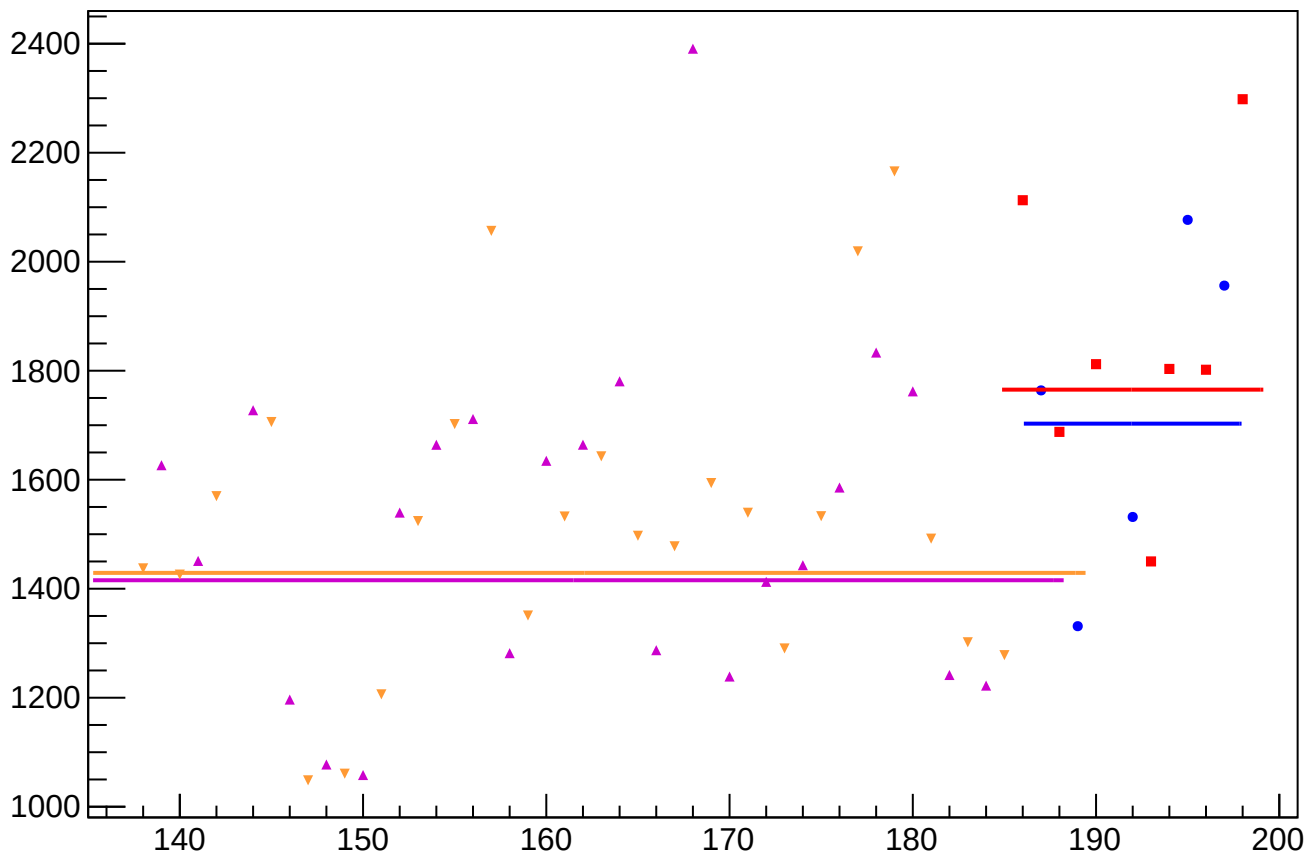
Right: -1203.881 $\pm$ 652.192 χ^2 /NDF: 13.9/11

In: 10.456 $\pm$ 327.676 χ^2 /NDF:19.9/27

Out: -449.862 $\pm$ 320.322 χ^2 /NDF:39.7/30

All: -224.927 $\pm$ 229.057 χ^2 /NDF: 60.6/58

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1702.877+/-0.756 χ^2/NDF : 159618.3/4

Left Out: 1429.065+/-0.246 χ^2/NDF : 1106949.6/23

Right Out: 1765.277+/-0.582 χ^2/NDF : 178189.4/6

Left In: 1415.555+/-0.243 χ^2/NDF : 1245603.5/22

Left: 1422.241+/-0.173 χ^2/NDF : 2354077.8/46

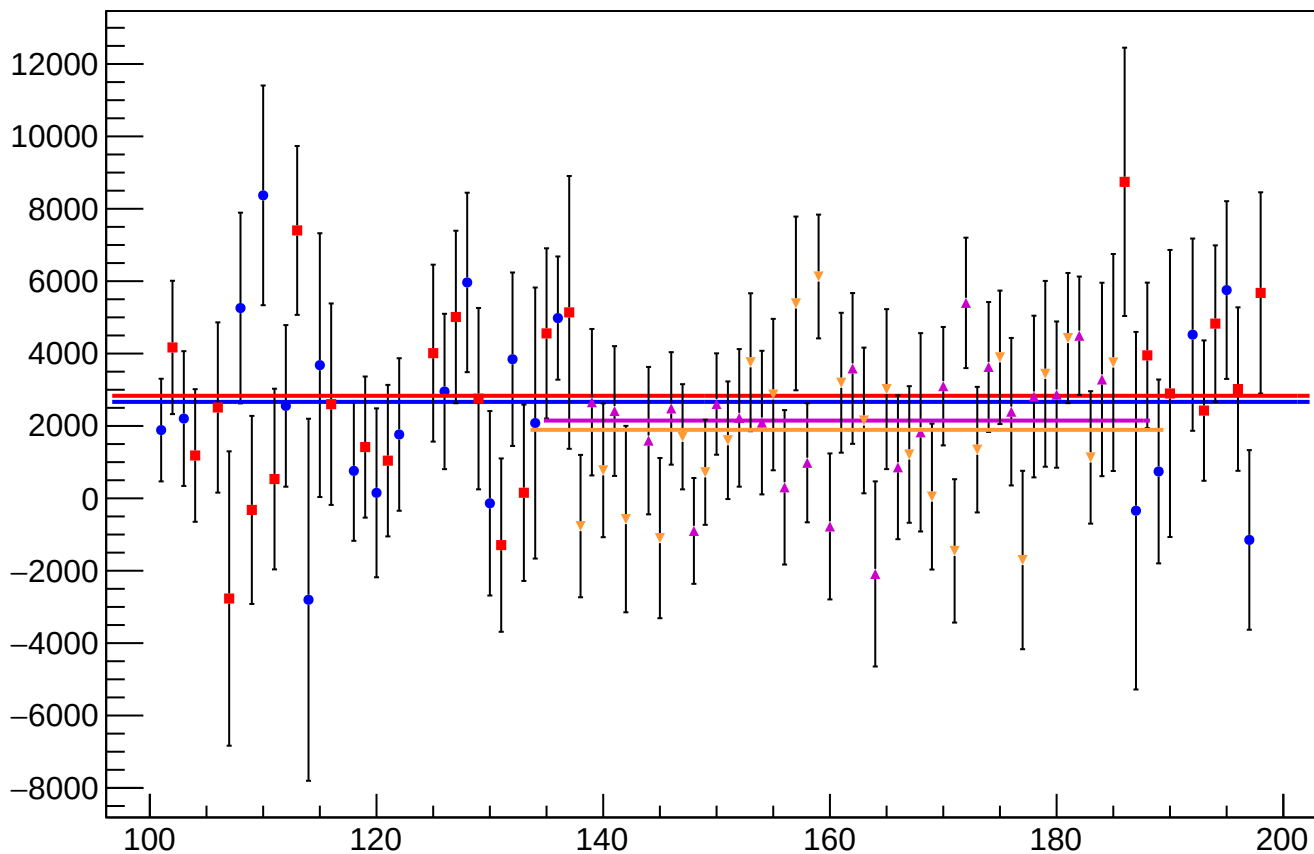
Right: 1742.074+/-0.461 χ^2/NDF : 342084.2/11

In: 1442.524+/-0.232 χ^2/NDF : 1536010.0/27

Out: 1480.010+/-0.227 χ^2/NDF : 1568417.5/30

All: 1461.692+/-0.162 χ^2/NDF : 3117812.0/58

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2664.872 $\pm$ 511.532 χ^2 /NDF: 19.0/20

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

Right Out: 2833.453 $\pm$ 486.023 χ^2 /NDF: 21.6/23

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

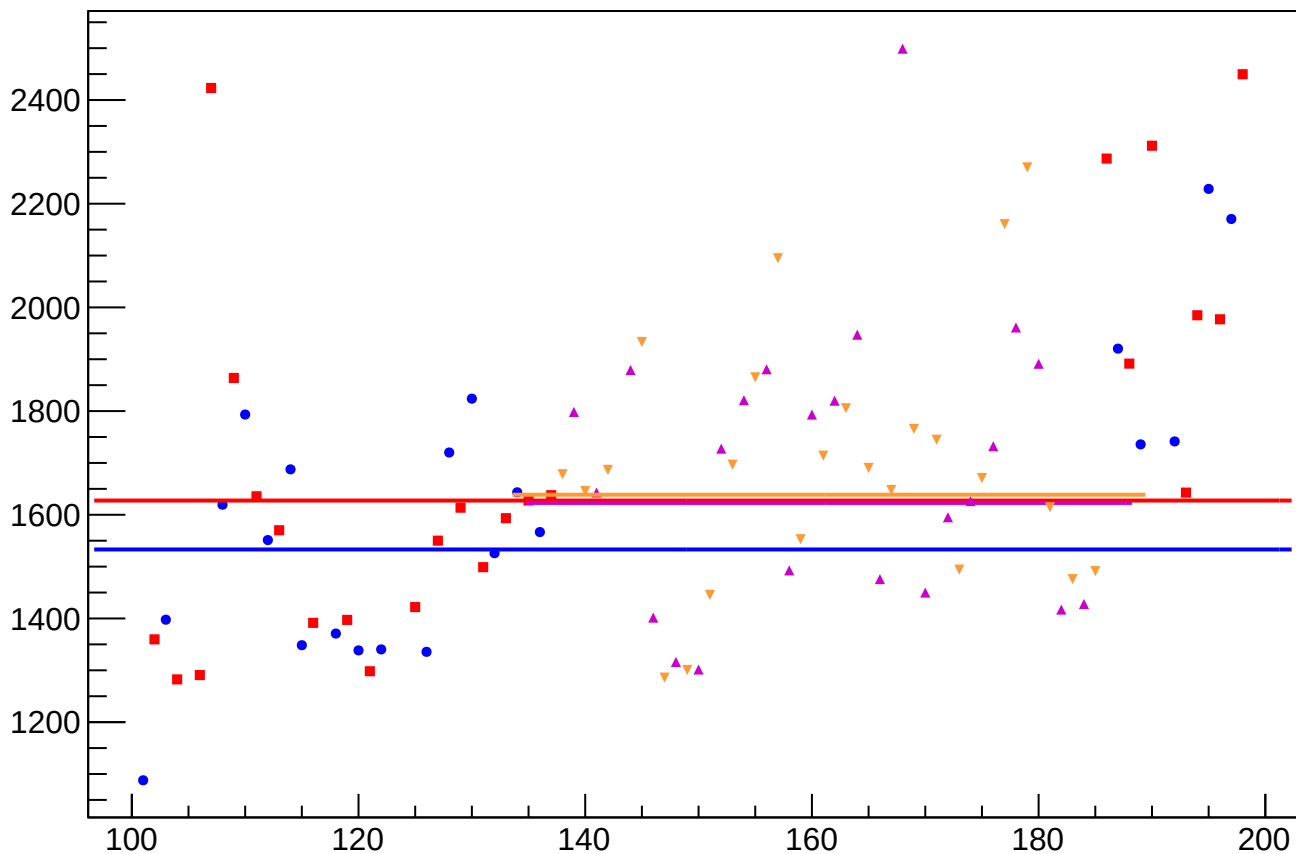
Right: 2753.470 $\pm$ 352.343 χ^2 /NDF: 40.6/44

In: 2339.604 $\pm$ 311.003 χ^2 /NDF: 38.0/43

Out: 2266.565 $\pm$ 306.438 χ^2 /NDF: 49.8/47

All: 2302.544 $\pm$ 218.280 χ^2 /NDF: 87.9/91

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1533.074 $\pm$ 0.362 χ^2/NDF : 663208.0/20

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

Right Out: 1627.453 $\pm$ 0.344 χ^2/NDF : 797873.4/23

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

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

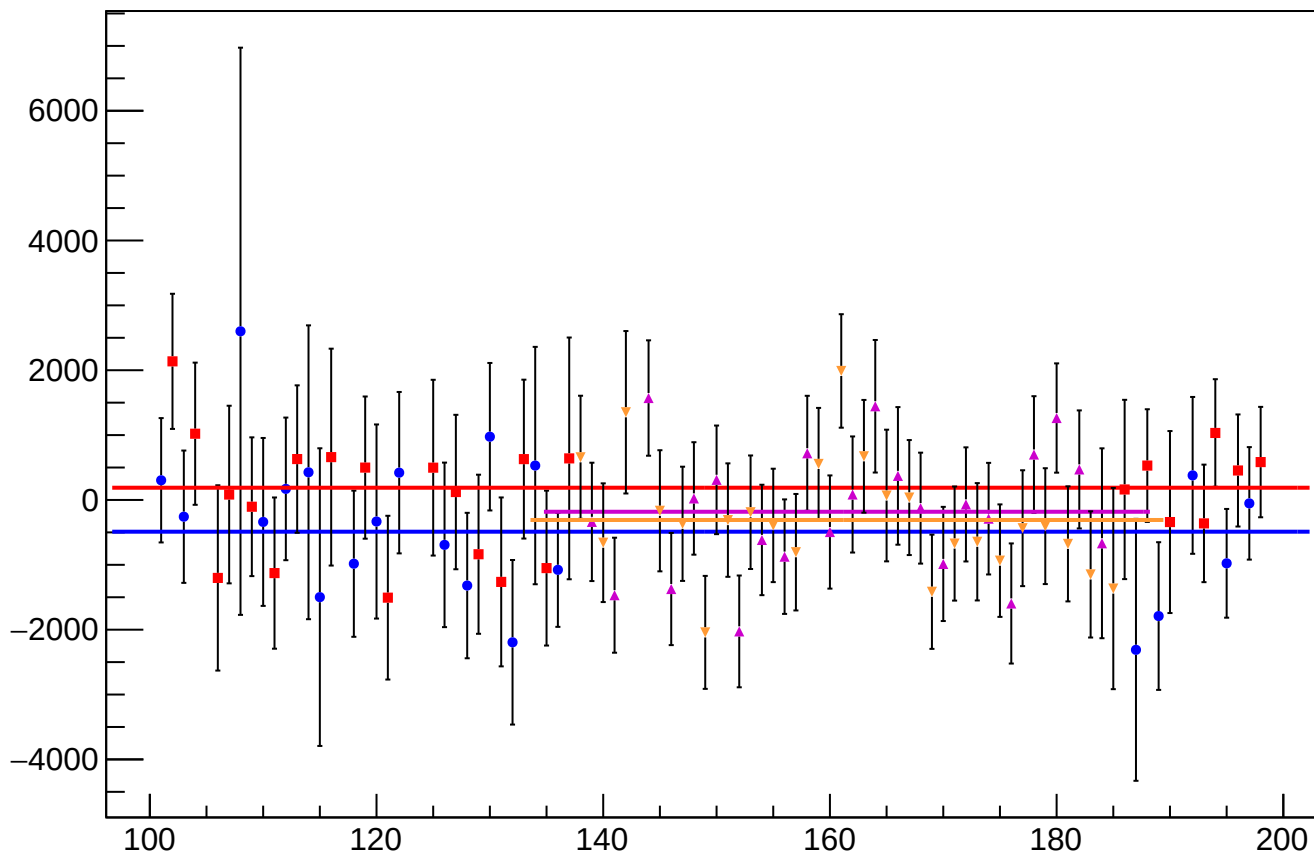
Right: 1582.675 $\pm$ 0.249 χ^2/NDF : 1496862.9/44

In: 1589.681 $\pm$ 0.220 χ^2/NDF : 1482585.1/43

Out: 1634.216 $\pm$ 0.217 χ^2/NDF : 1470499.3/47

All: 1612.278 $\pm$ 0.154 χ^2/NDF : 2973893.5/91

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -489.404 $\pm$ 261.270 χ^2/NDF : 10.7/20

Left Out: -308.819 $\pm$ 187.448 χ^2/NDF :20.6/23

Right Out: 188.604 $\pm$ 230.068 χ^2/NDF : 13.8/23

Left In: -181.983 $\pm$ 187.935 χ^2/NDF :25.6/22

Left: -245.566 $\pm$ 132.717 χ^2/NDF : 46.4/46

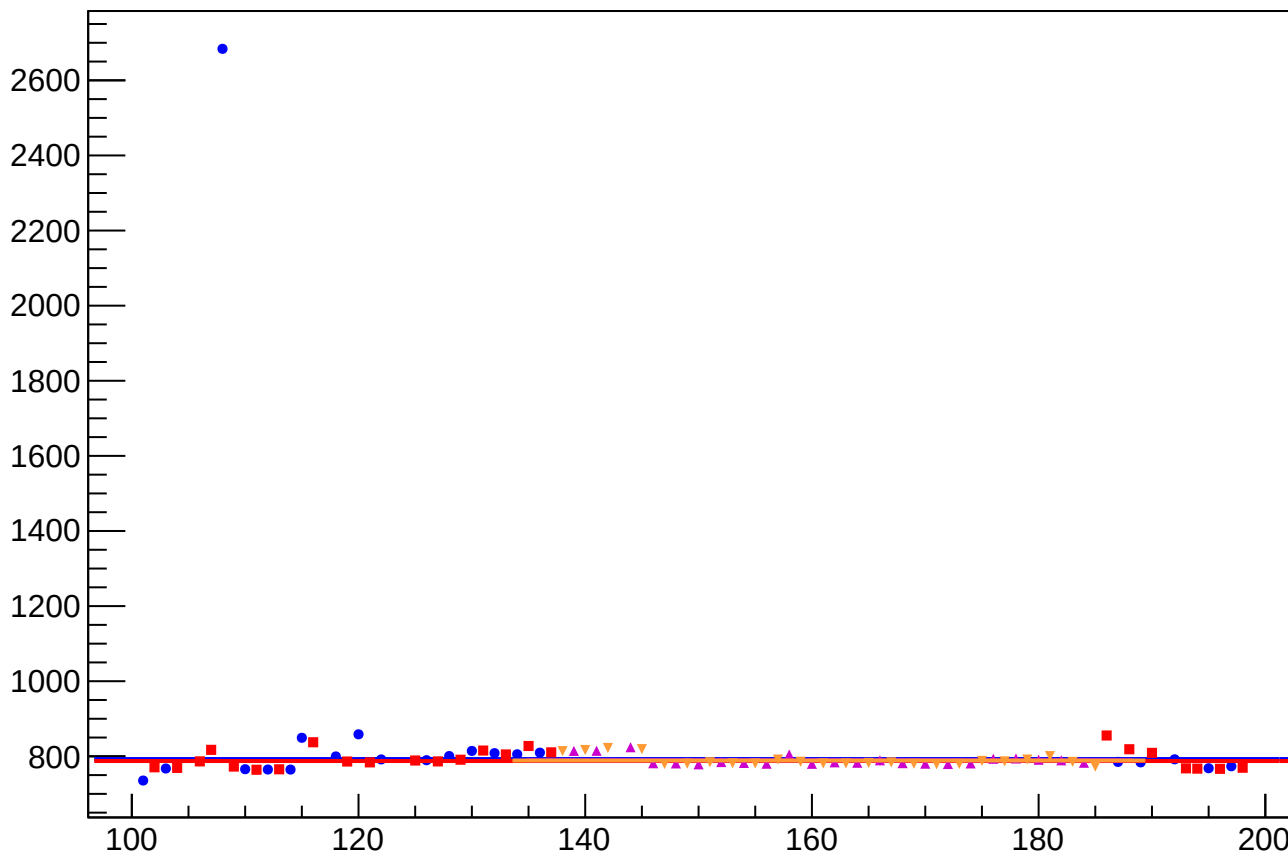
Right: -107.516 $\pm$ 172.666 χ^2/NDF : 28.3/44

In: -286.808 $\pm$ 152.565 χ^2/NDF :37.2/43

Out: -110.362 $\pm$ 145.321 χ^2/NDF :37.1/47

All: -194.296 $\pm$ 105.225 χ^2/NDF : 75.0/91

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 792.718 $\pm$ 0.185 χ^2 /NDF: 394969.3/20

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

Right Out: 787.465 $\pm$ 0.163 χ^2 /NDF: 21741.5/23

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

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

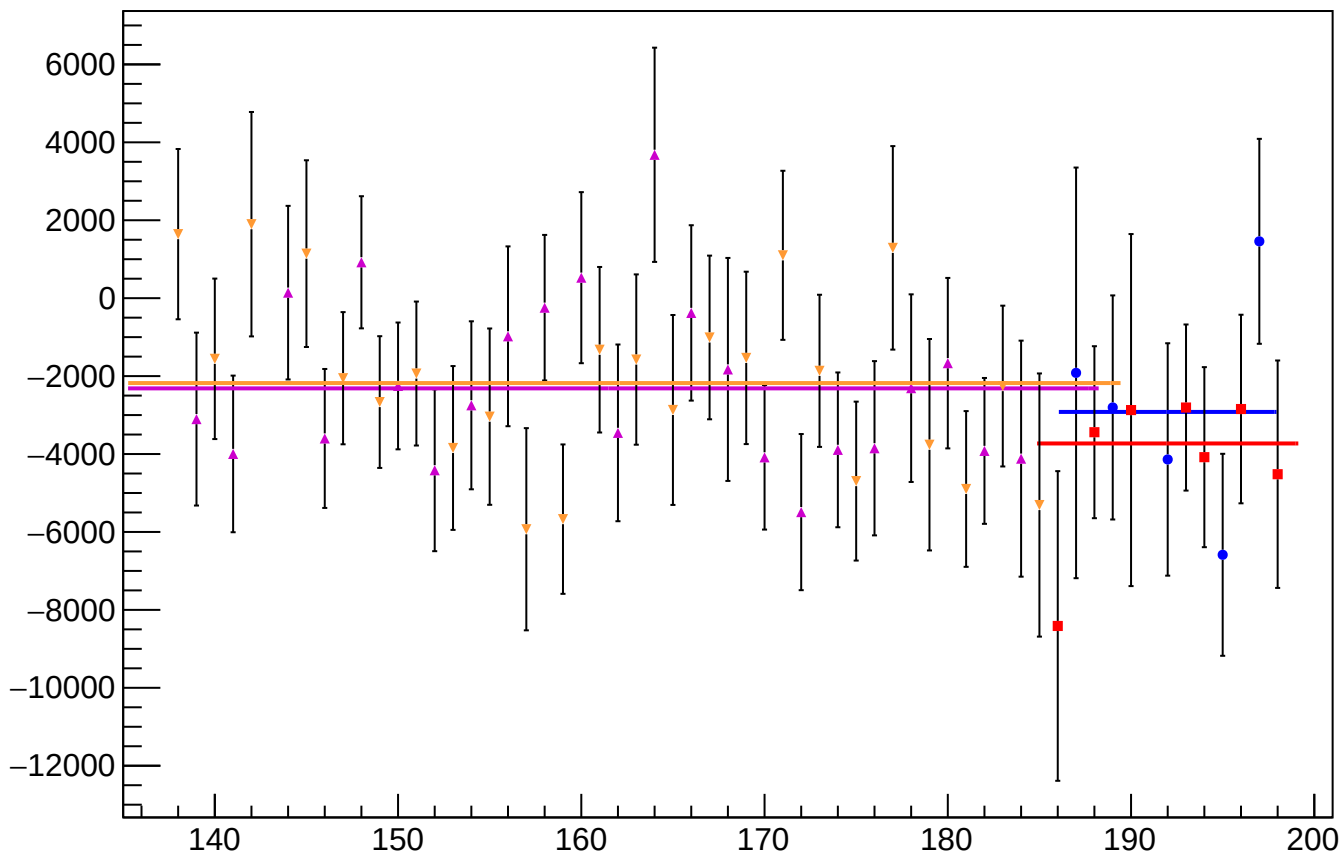
Right: 789.759 $\pm$ 0.122 χ^2 /NDF: 417166.2/44

In: 790.536 $\pm$ 0.108 χ^2 /NDF: 404400.2/43

Out: 788.319 $\pm$ 0.103 χ^2 /NDF: 31129.6/47

All: 789.373 $\pm$ 0.074 χ^2 /NDF: 435751.1/91

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -2919.331 ± 1333.009 χ^2/NDF : 5.0/4

Left Out: -2178.467 ± 439.661 χ^2/NDF : 22.7/23

Right Out: -3728.755 ± 993.490 χ^2/NDF : 1.9/6

Left In: -2315.169 ± 437.003 χ^2/NDF : 22.0/22

Left: -2247.233 ± 309.943 χ^2/NDF : 44.8/46

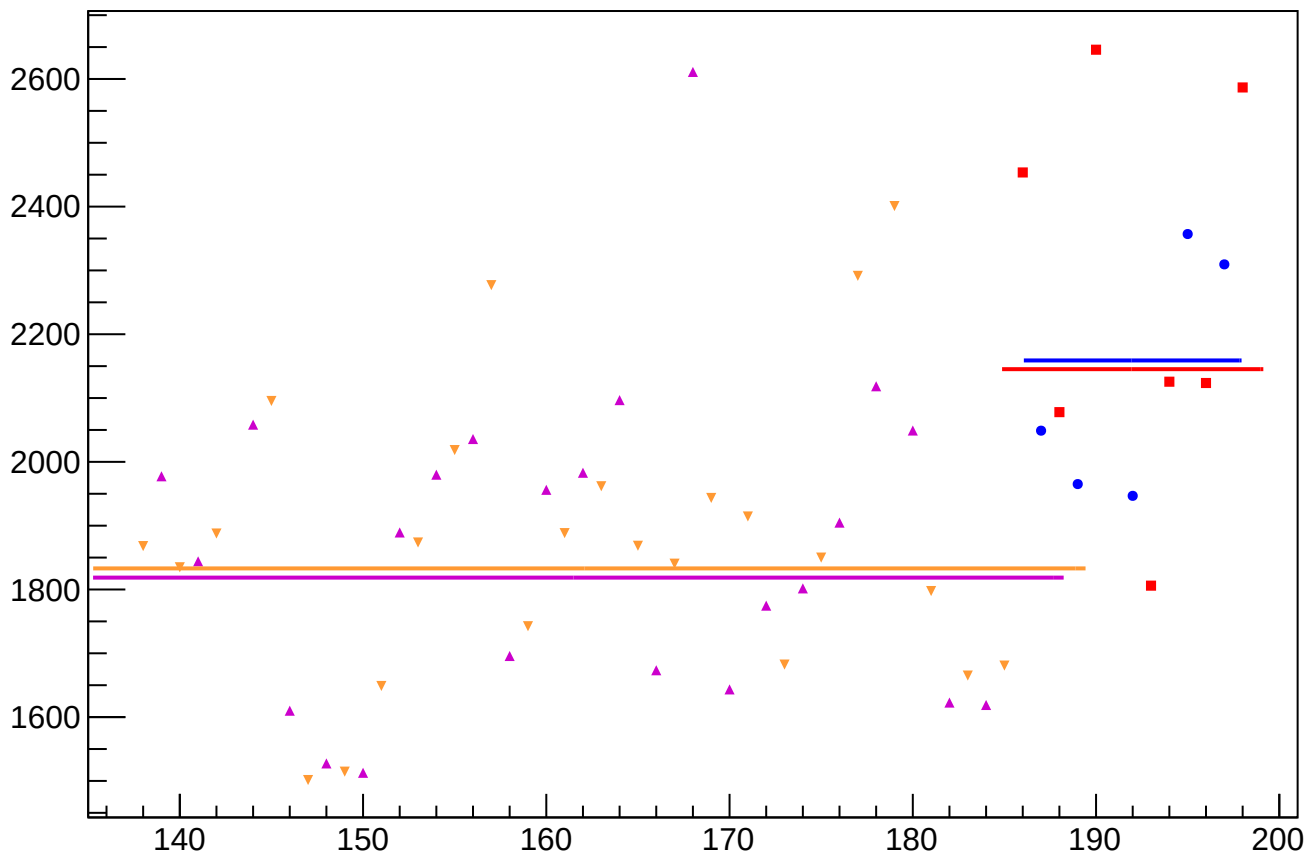
Right: -3439.703 ± 796.586 χ^2/NDF : 7.1/11

In: -2373.800 ± 415.258 χ^2/NDF : 27.2/27

Out: -2432.358 ± 402.051 χ^2/NDF : 26.6/30

All: -2404.025 ± 288.849 χ^2/NDF : 53.8/58

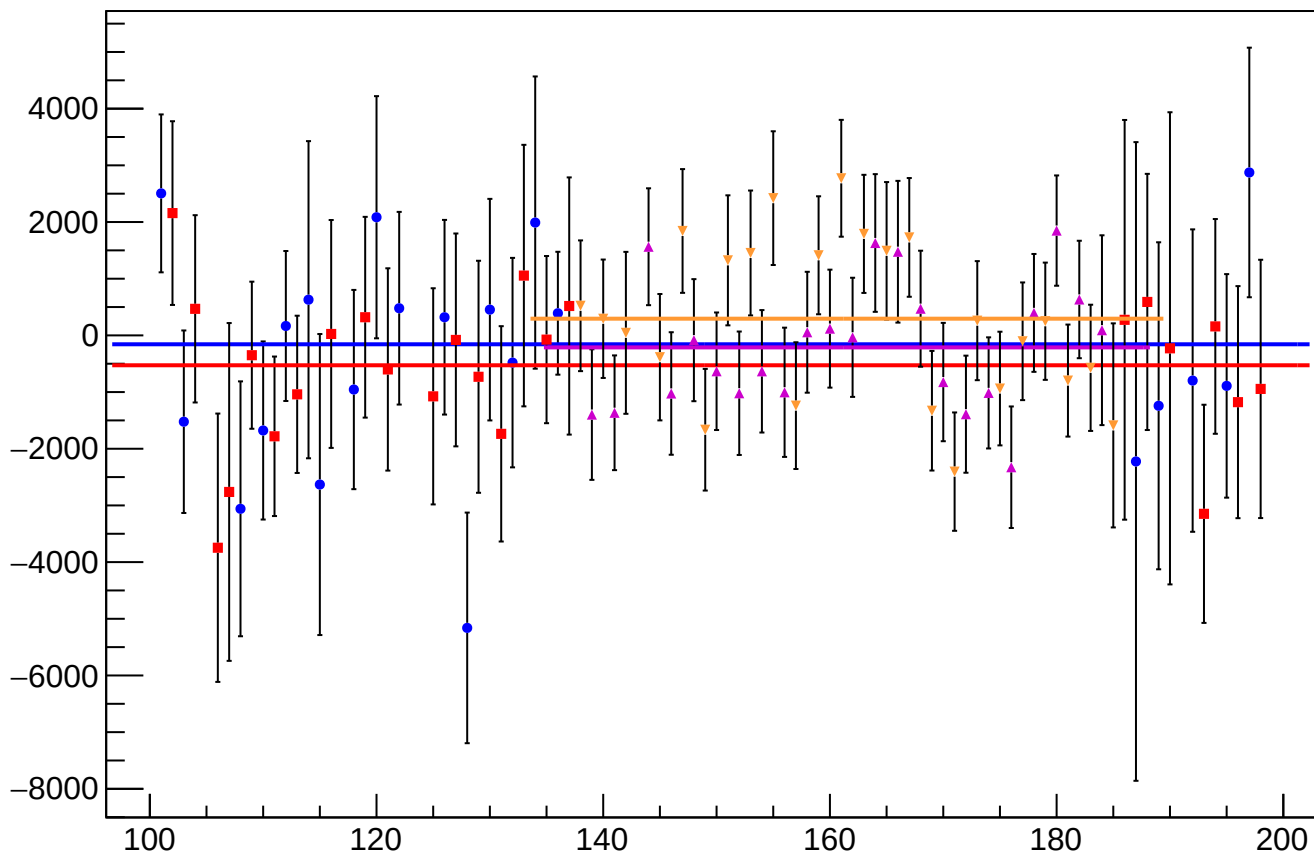
asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 2158.932 $\pm$ 0.943 χ^2/NDF : 38307.7/4
 Left Out: 1833.028 $\pm$ 0.311 χ^2/NDF : 465466.9/23
 Right Out: 2145.259 $\pm$ 0.703 χ^2/NDF : 135184.1/6
 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: 2150.141 $\pm$ 0.563 χ^2/NDF : 173627.1/11
 In: 1851.622 $\pm$ 0.294 χ^2/NDF : 692854.1/27
 Out: 1884.162 $\pm$ 0.284 χ^2/NDF : 765839.6/30
 All: 1868.418 $\pm$ 0.204 χ^2/NDF : 1465032.5/58

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -156.934 ± 404.010 $\chi^2/\text{NDF}: 19.0/20$

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

Right Out: -527.263 ± 384.407 $\chi^2/\text{NDF}: 10.5/23$

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

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

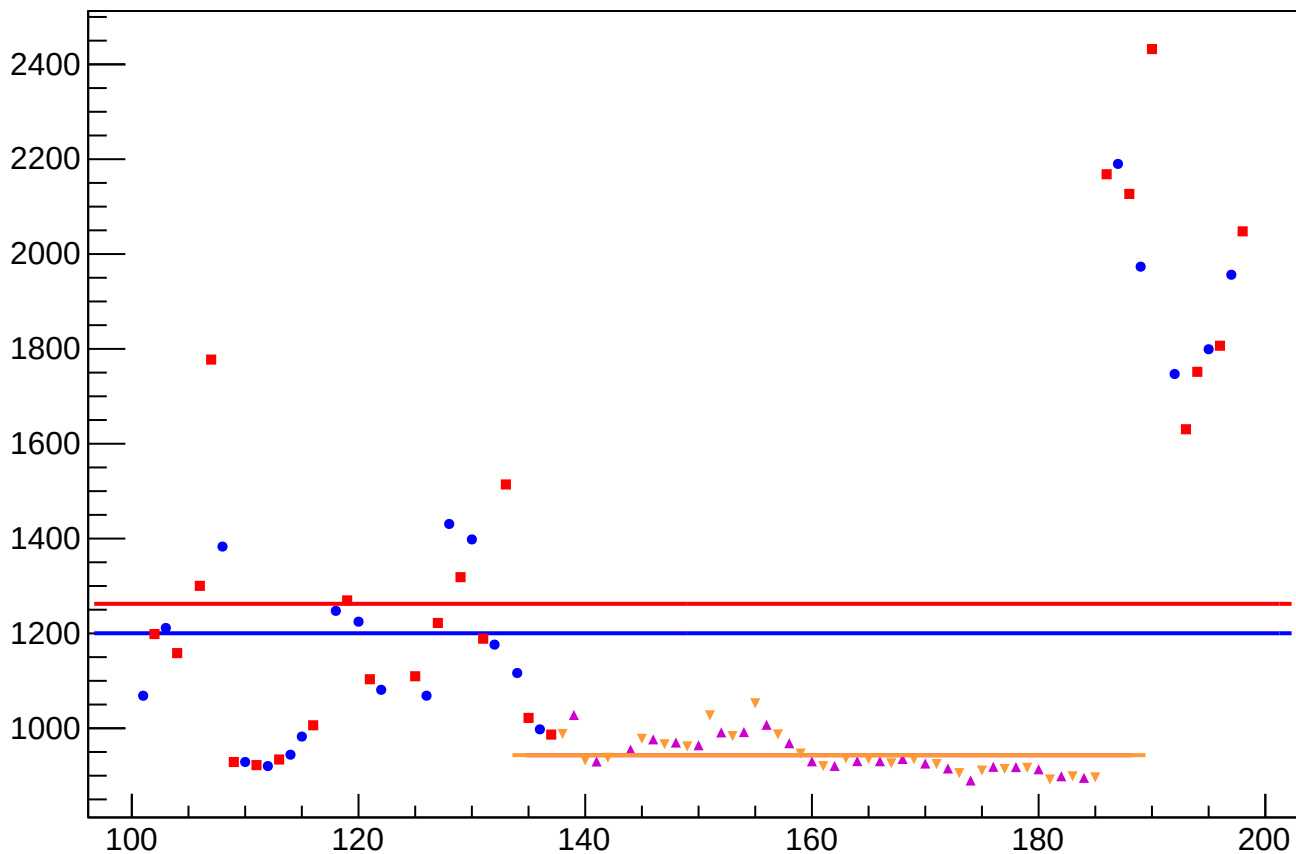
Right: -351.301 ± 278.489 $\chi^2/\text{NDF}: 30.0/44$

In: -199.052 ± 196.372 $\chi^2/\text{NDF}: 42.8/43$

Out: 85.830 ± 193.760 $\chi^2/\text{NDF}: 52.2/47$

All: -54.704 ± 137.923 $\chi^2/\text{NDF}: 96.1/91$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1200.352+/-0.286 χ^2/NDF : 1062178.3/20

Left Out: 943.327+/-0.159 χ^2/NDF : 60410.5/23

Right Out: 1262.427+/-0.272 χ^2/NDF : 1773618.5/23

Left In: 943.137+/-0.159 χ^2/NDF : 49948.2/22

Left: 943.232+/-0.112 χ^2/NDF : 110359.4/46

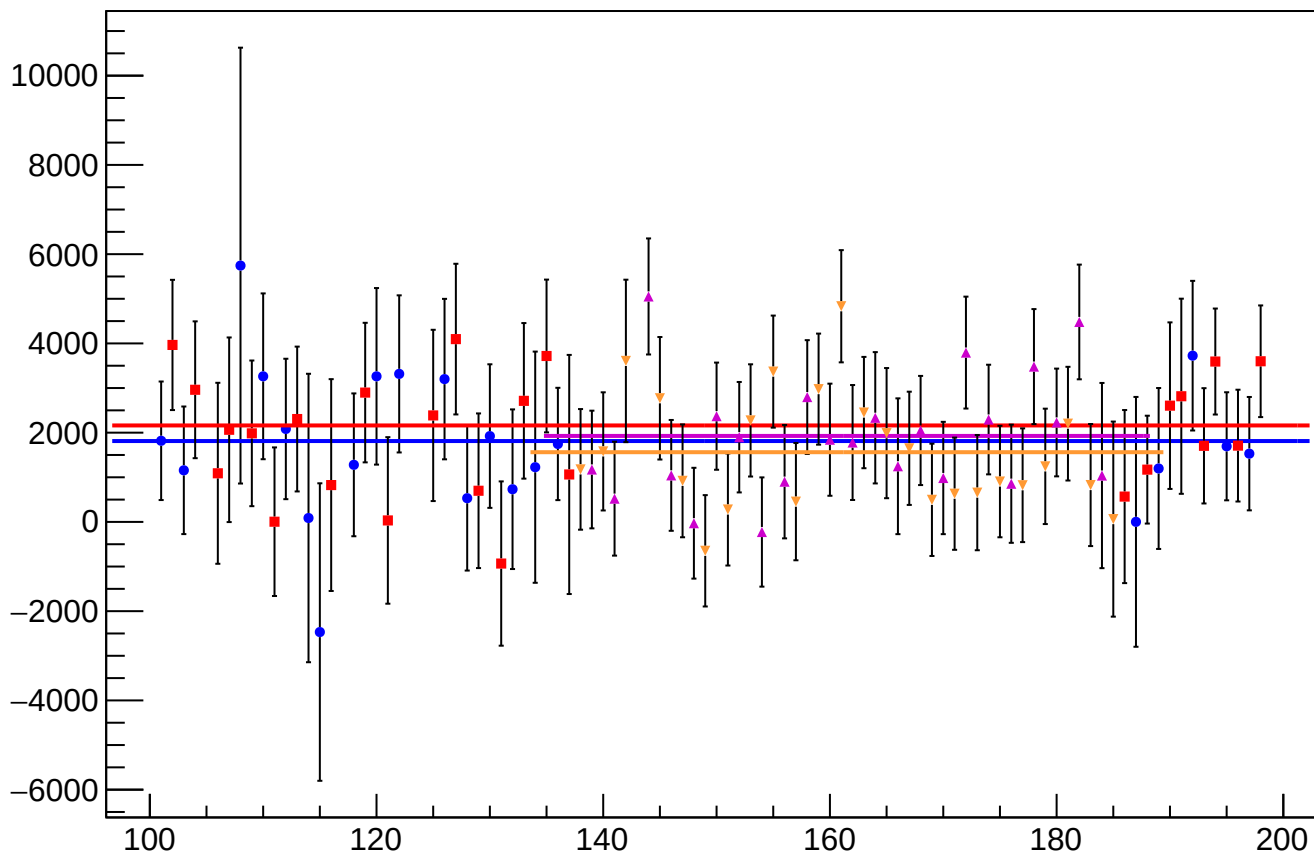
Right: 1232.932+/-0.197 χ^2/NDF : 2860577.6/44

In: 1003.904+/-0.139 χ^2/NDF : 1731270.2/43

Out: 1024.400+/-0.137 χ^2/NDF : 2862049.4/47

All: 1014.289+/-0.098 χ^2/NDF : 4604358.9/91

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1812.076 $\pm$ 372.465 χ^2 /NDF: 8.3/20

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

Right Out: 2161.710 $\pm$ 325.242 χ^2 /NDF: 16.1/24

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

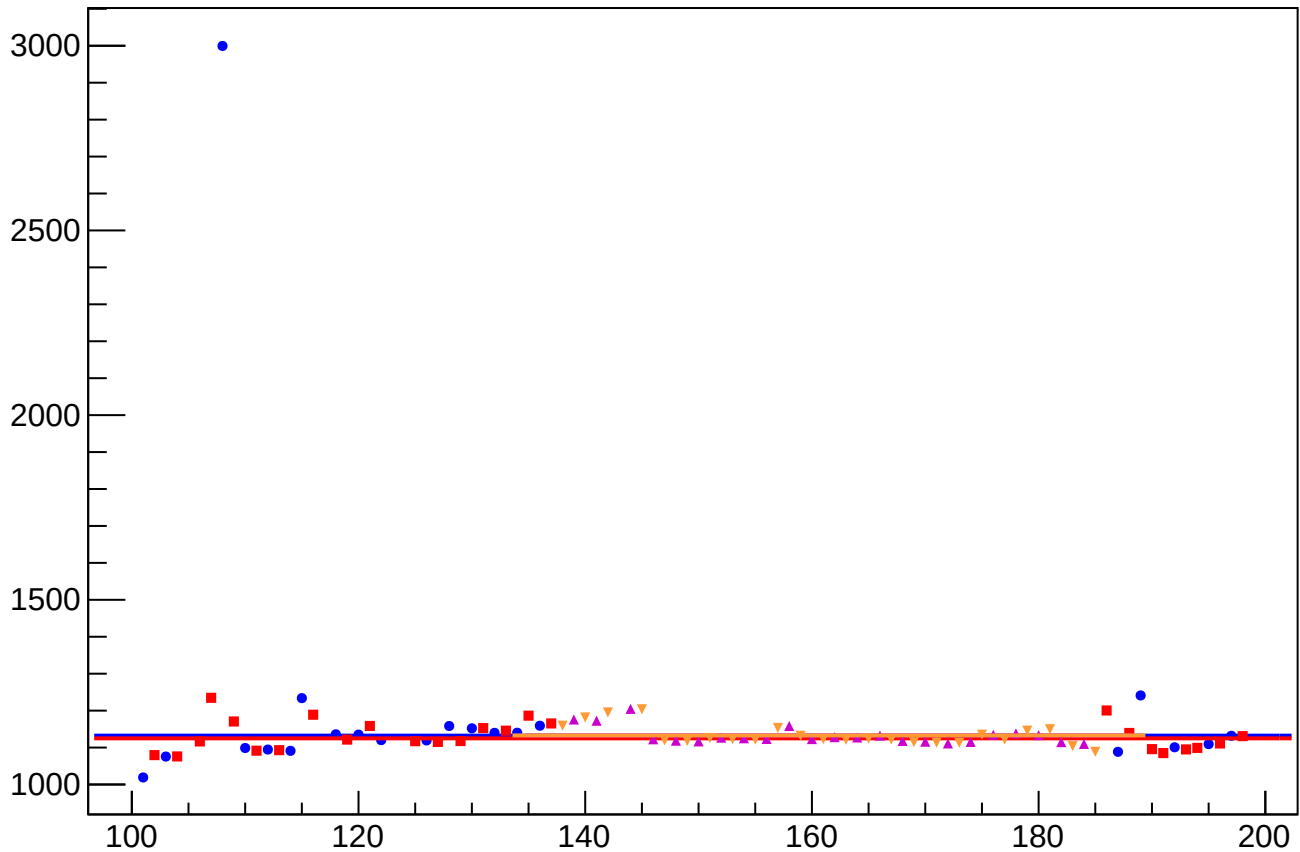
Right: 2010.450 $\pm$ 244.986 χ^2 /NDF: 25.0/45

In: 1887.430 $\pm$ 218.429 χ^2 /NDF:32.5/43

Out: 1805.946 $\pm$ 207.413 χ^2 /NDF:39.9/48

All: 1844.581 $\pm$ 150.406 χ^2 /NDF: 72.5/92

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1132.236 $\pm$ 0.263 χ^2 /NDF: 325224.8/20

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

Right Out: 1124.918 $\pm$ 0.230 χ^2 /NDF: 25578.5/24

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

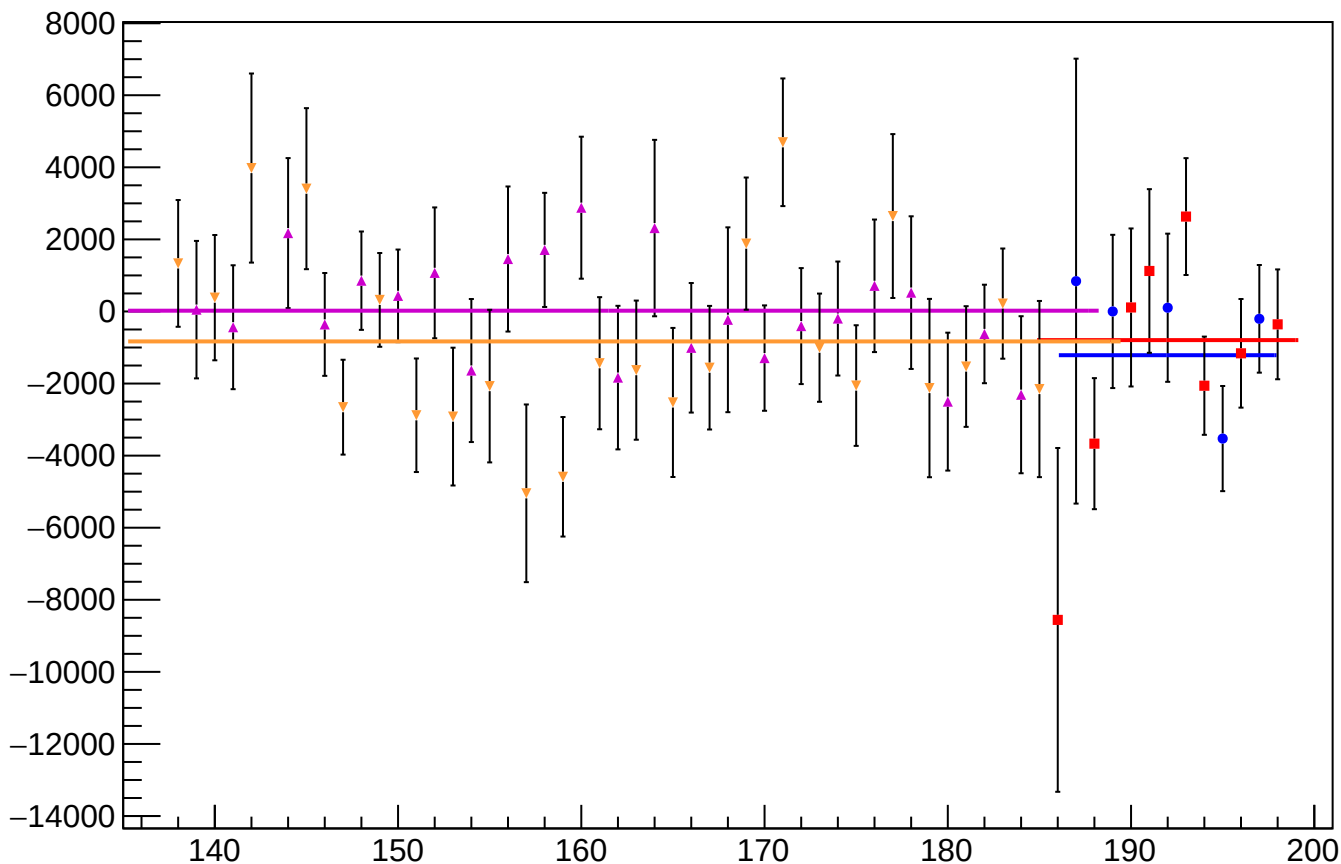
Right: 1128.084 $\pm$ 0.173 χ^2 /NDF: 351241.4/45

In: 1132.455 $\pm$ 0.154 χ^2 /NDF:339750.7/43

Out: 1129.643 $\pm$ 0.147 χ^2 /NDF:43076.9/48

All: 1130.977 $\pm$ 0.106 χ^2 /NDF: 383001.9/92

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -1213.610 $\pm$ 844.506 χ^2/NDF : 3.8/4

Left Out: -830.927 $\pm$ 366.086 χ^2/NDF :40.1/23

Right Out: -794.751 $\pm$ 627.633 χ^2/NDF : 11.5/7

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

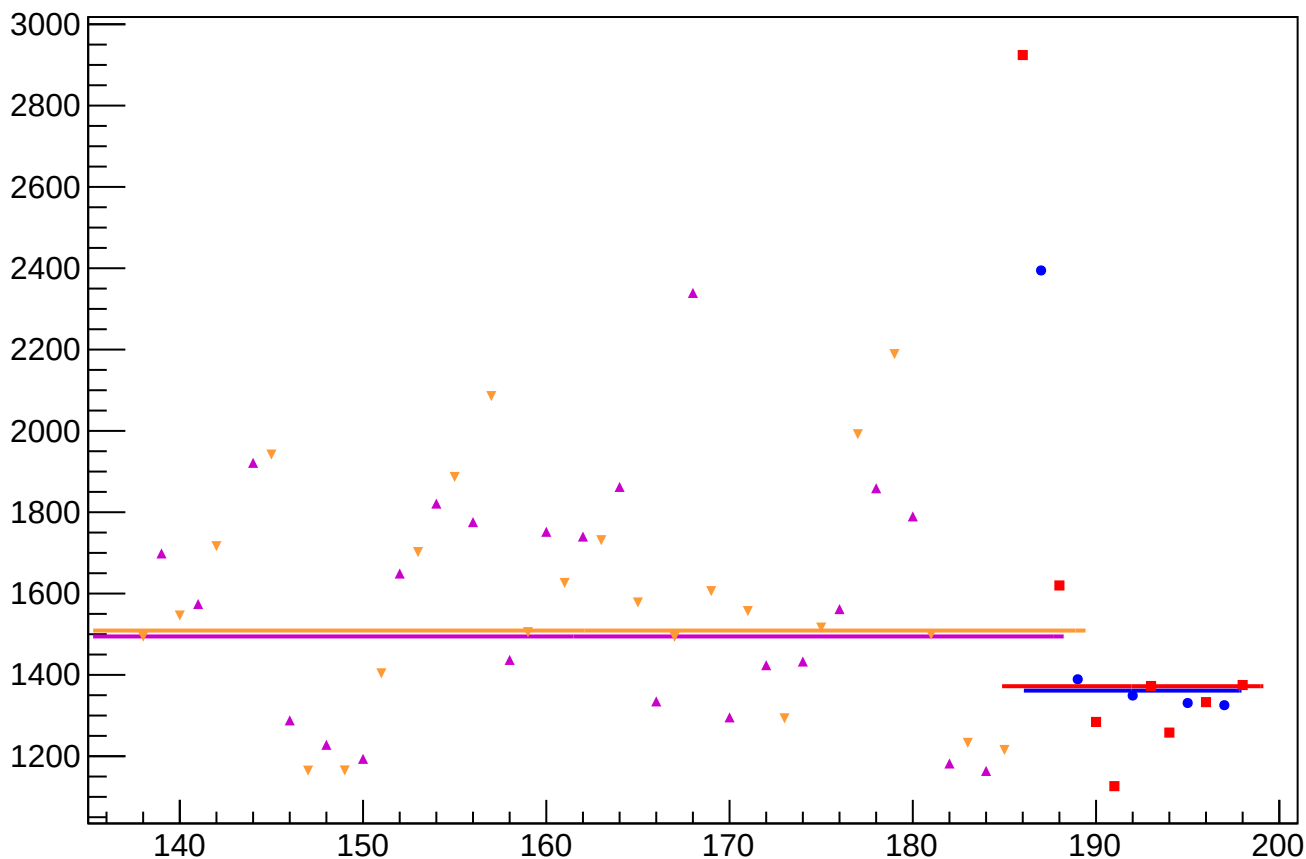
Right: -943.785 $\pm$ 503.747 χ^2/NDF : 15.5/12

In: -170.711 $\pm$ 333.090 χ^2/NDF :18.4/27

Out: -821.744 $\pm$ 316.225 χ^2/NDF :51.6/31

All: -513.126 $\pm$ 229.335 χ^2/NDF : 72.0/59

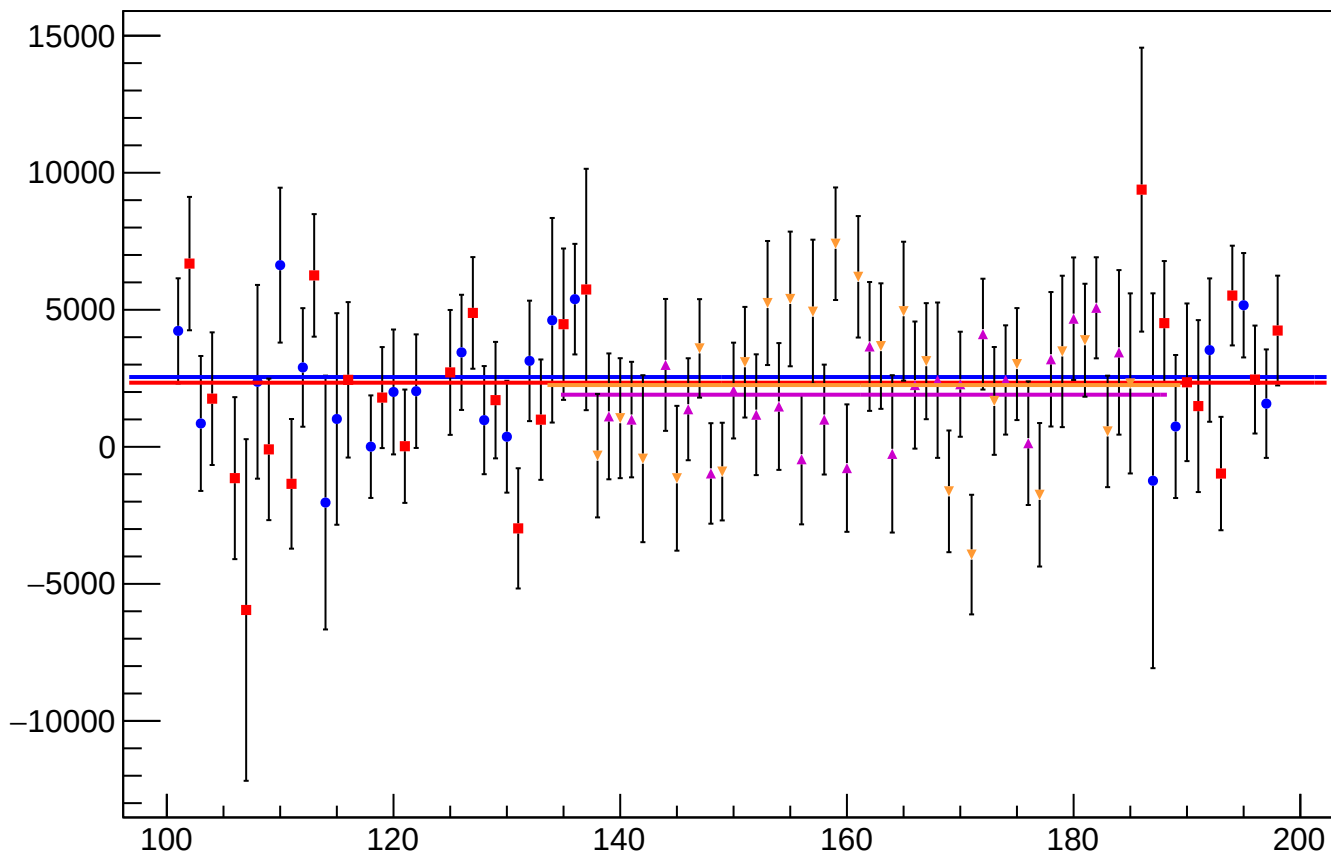
asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 1361.367 $\pm$ 0.597 χ^2/NDF : 58480.3/4
 Left Out: 1508.993 $\pm$ 0.259 χ^2/NDF : 988673.2/23
 Right Out: 1372.132 $\pm$ 0.444 χ^2/NDF : 290955.0/7
 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: 1368.301 $\pm$ 0.356 χ^2/NDF : 349644.6/12
 In: 1473.795 $\pm$ 0.236 χ^2/NDF : 1196737.6/27
 Out: 1474.250 $\pm$ 0.224 χ^2/NDF : 1350586.2/31
 All: 1474.034 $\pm$ 0.162 χ^2/NDF : 2547325.8/59

asym_usl_mean vs Slug, Sign Corrected



Right In: 2546.524+/-514.719 χ^2/NDF : 13.8/20

Left Out: 2253.979+/-456.390 χ^2/NDF : 38.7/23

Right Out: 2339.726+/-476.071 χ^2/NDF : 32.6/24

Left In: 1901.797+/-453.879 χ^2/NDF : 13.9/22

Left: 2076.917+/-321.825 χ^2/NDF : 52.8/46

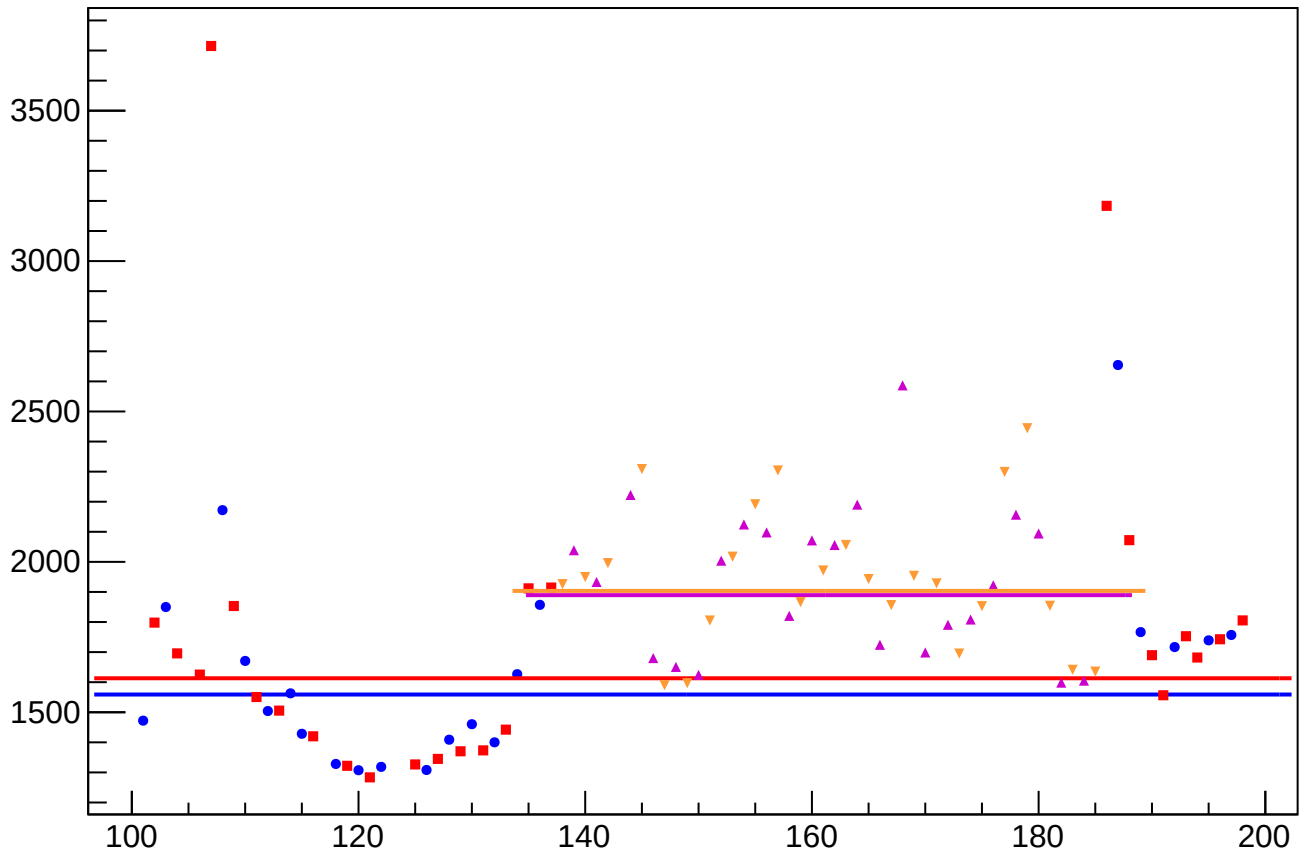
Right: 2435.071+/-349.499 χ^2/NDF : 46.6/45

In: 2183.822+/-340.429 χ^2/NDF : 28.6/43

Out: 2295.043+/-329.454 χ^2/NDF : 71.3/48

All: 2241.255+/-236.744 χ^2/NDF : 100.0/92

asym_usl_rms vs Slug, Sign Corrected



Right In: 1558.987 $\pm$ 0.364 χ^2/NDF : 389435.7/20

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

Right Out: 1613.014 $\pm$ 0.337 χ^2/NDF : 843114.5/24

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

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

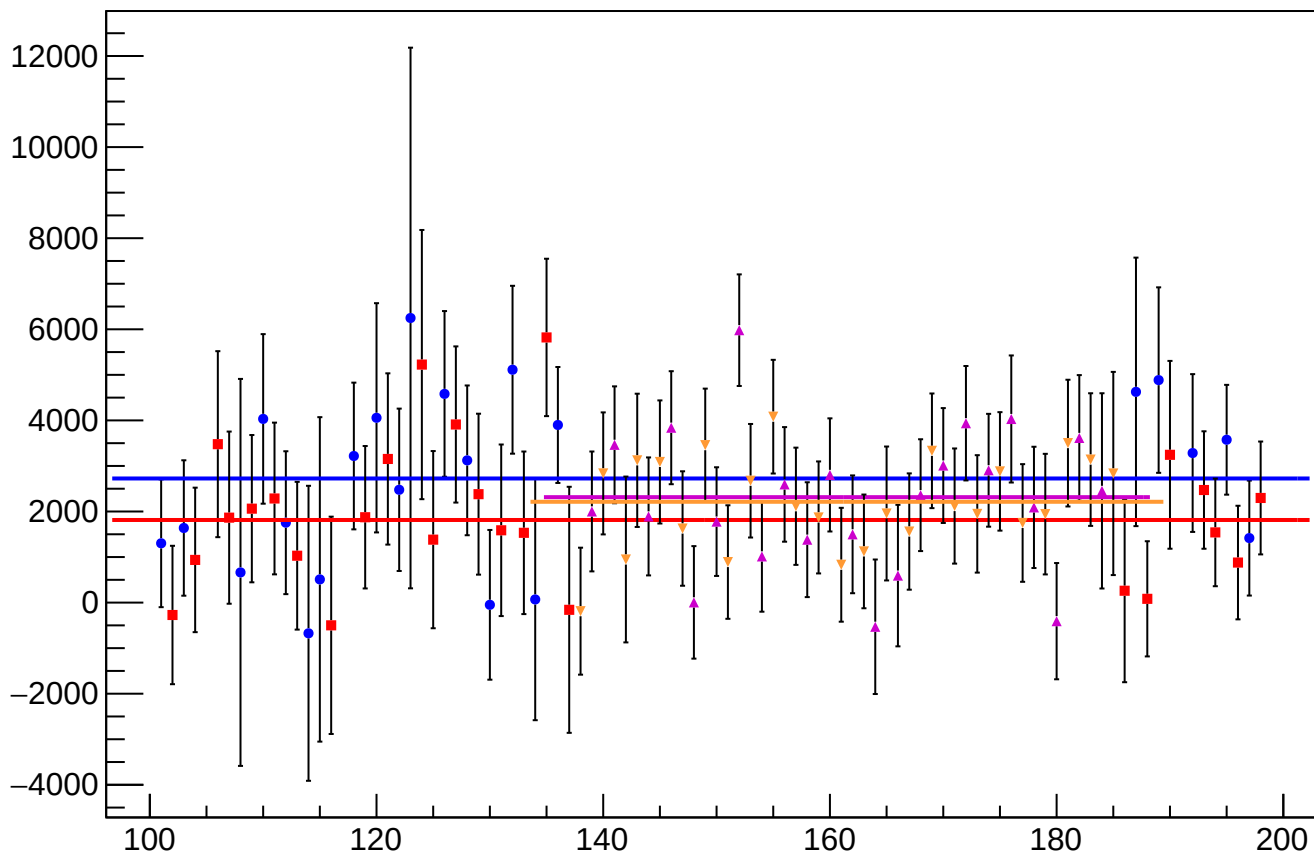
Right: 1588.105 $\pm$ 0.247 χ^2/NDF : 1244426.1/45

In: 1744.825 $\pm$ 0.241 χ^2/NDF : 1361513.4/43

Out: 1764.363 $\pm$ 0.233 χ^2/NDF : 1692917.7/48

All: 1754.914 $\pm$ 0.167 χ^2/NDF : 3057832.9/92

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2724.858 $\pm$ 381.403 χ^2/NDF : 15.6/21

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

Right Out: 1813.739 $\pm$ 330.222 χ^2/NDF : 17.6/24

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

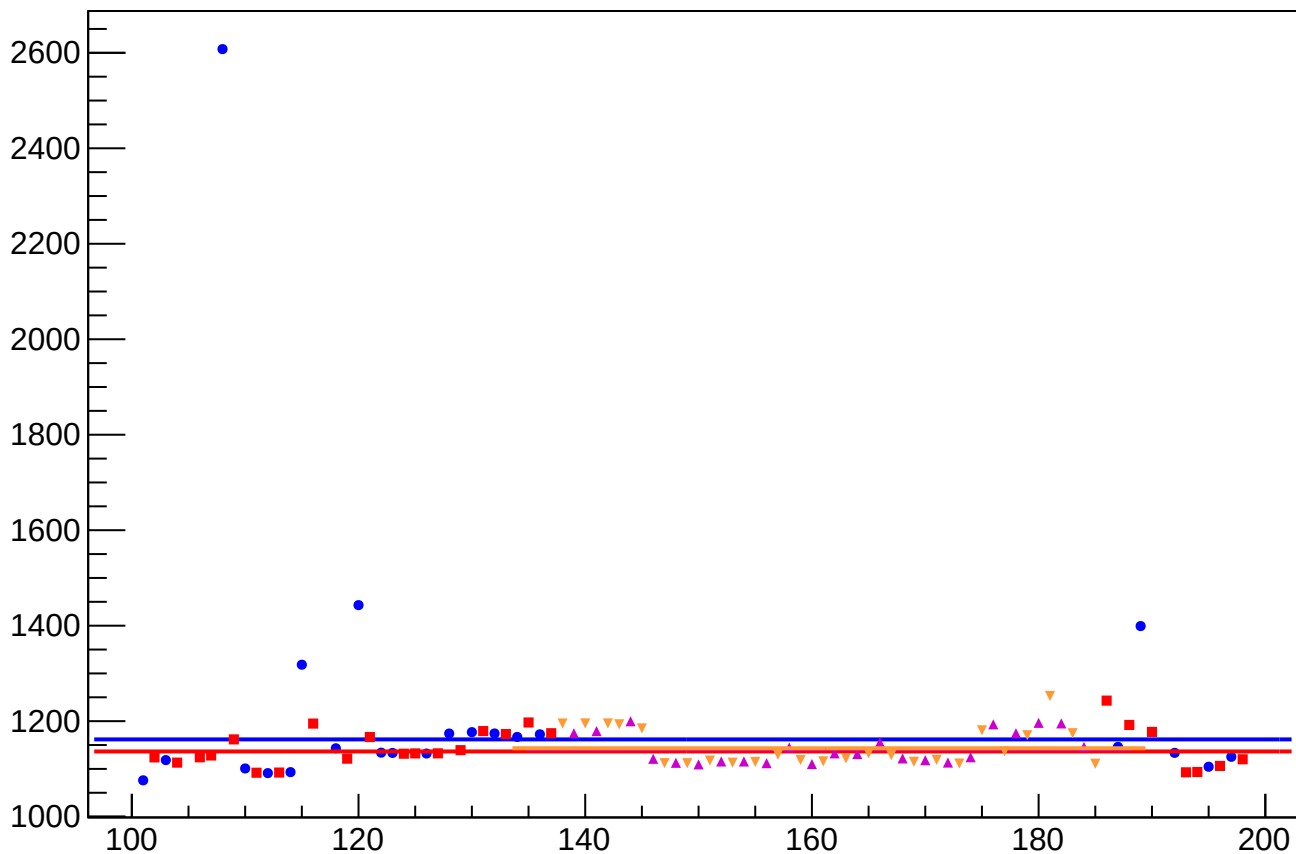
Right: 2204.107 $\pm$ 249.651 χ^2/NDF : 36.4/46

In: 2452.943 $\pm$ 221.385 χ^2/NDF : 47.9/44

Out: 2055.410 $\pm$ 207.587 χ^2/NDF : 32.6/49

All: 2241.402 $\pm$ 151.429 χ^2/NDF : 82.3/94

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1161.808 $\pm$ 0.270 χ^2 /NDF: 312634.9/21

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

Right Out: 1136.526 $\pm$ 0.234 χ^2 /NDF: 27501.2/24

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

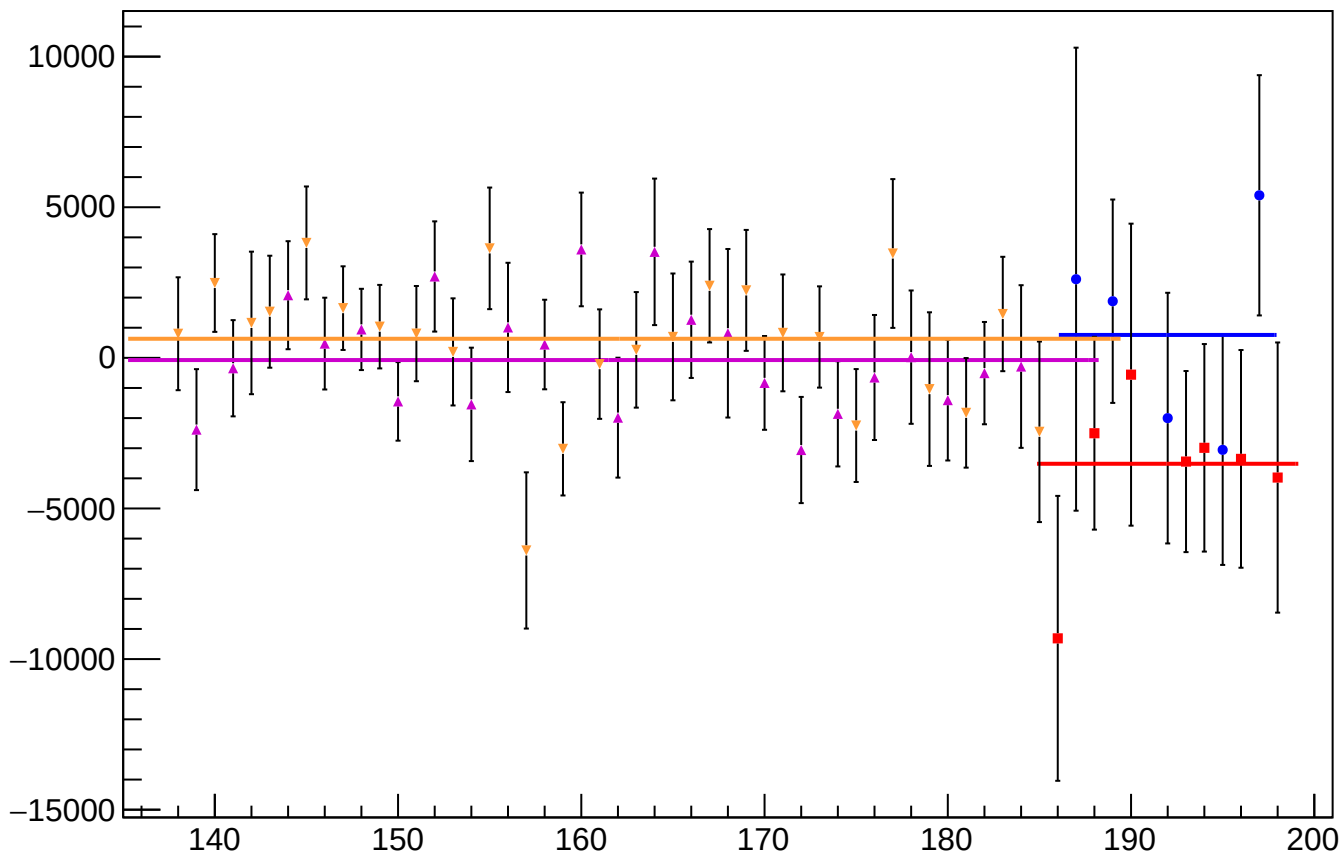
Right: 1147.358 $\pm$ 0.177 χ^2 /NDF: 345158.8/46

In: 1148.251 $\pm$ 0.157 χ^2 /NDF: 344460.3/44

Out: 1140.592 $\pm$ 0.147 χ^2 /NDF: 67496.0/49

All: 1144.176 $\pm$ 0.107 χ^2 /NDF: 413230.1/94

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: 760.700 $\pm$ 1844.702 χ^2 /NDF: 3.0/4

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

Right Out: -3516.211 $\pm$ 1409.431 χ^2 /NDF: 2.0/6

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

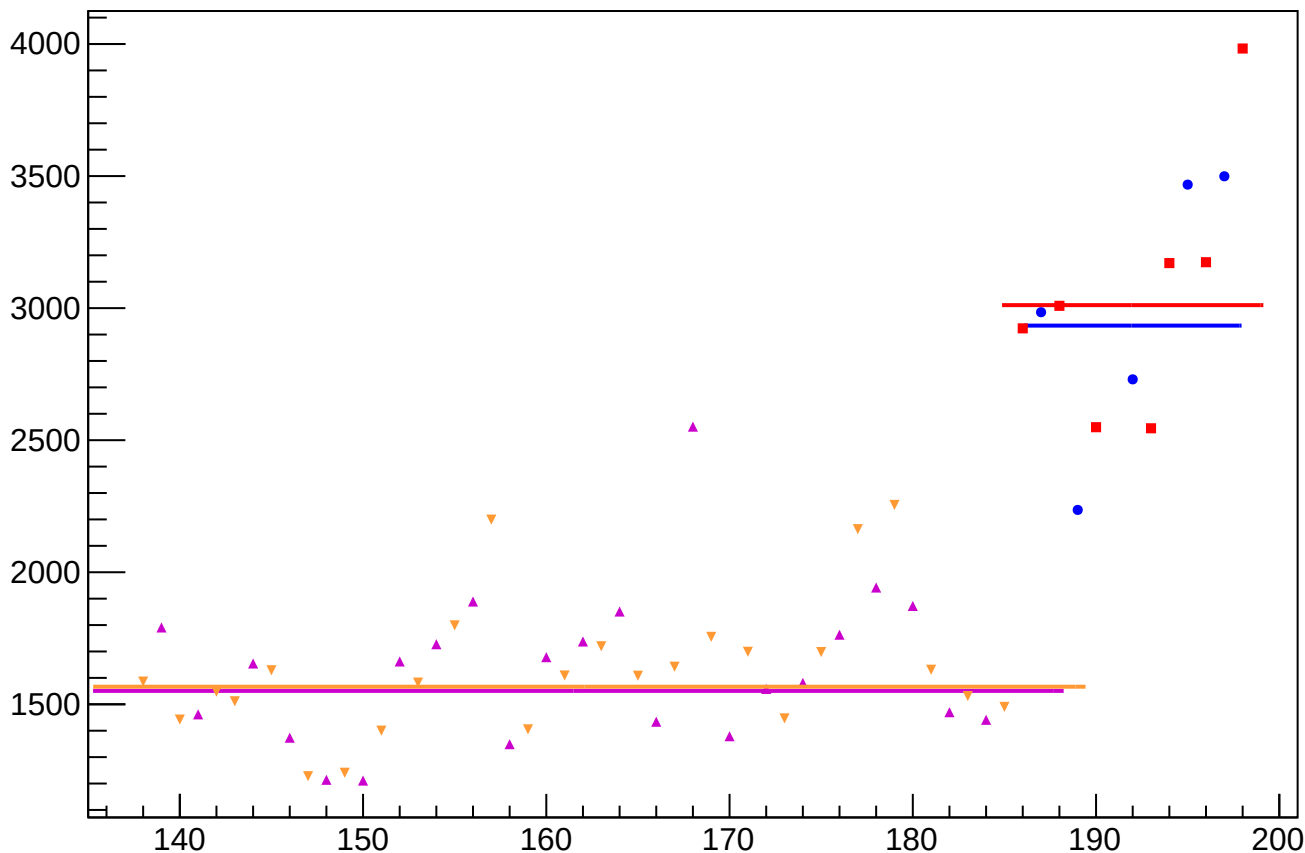
Right: -1939.778 $\pm$ 1119.951 χ^2 /NDF: 8.3/11

In: -39.831 $\pm$ 367.745 χ^2 /NDF: 23.3/27

Out: 363.569 $\pm$ 359.623 χ^2 /NDF: 39.3/31

All: 166.373 $\pm$ 257.115 χ^2 /NDF: 63.2/59

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 2933.856+/-1.304 χ^2/NDF : 169593.9/4

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

Right Out: 3011.353+/-0.997 χ^2/NDF : 168032.5/6

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

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

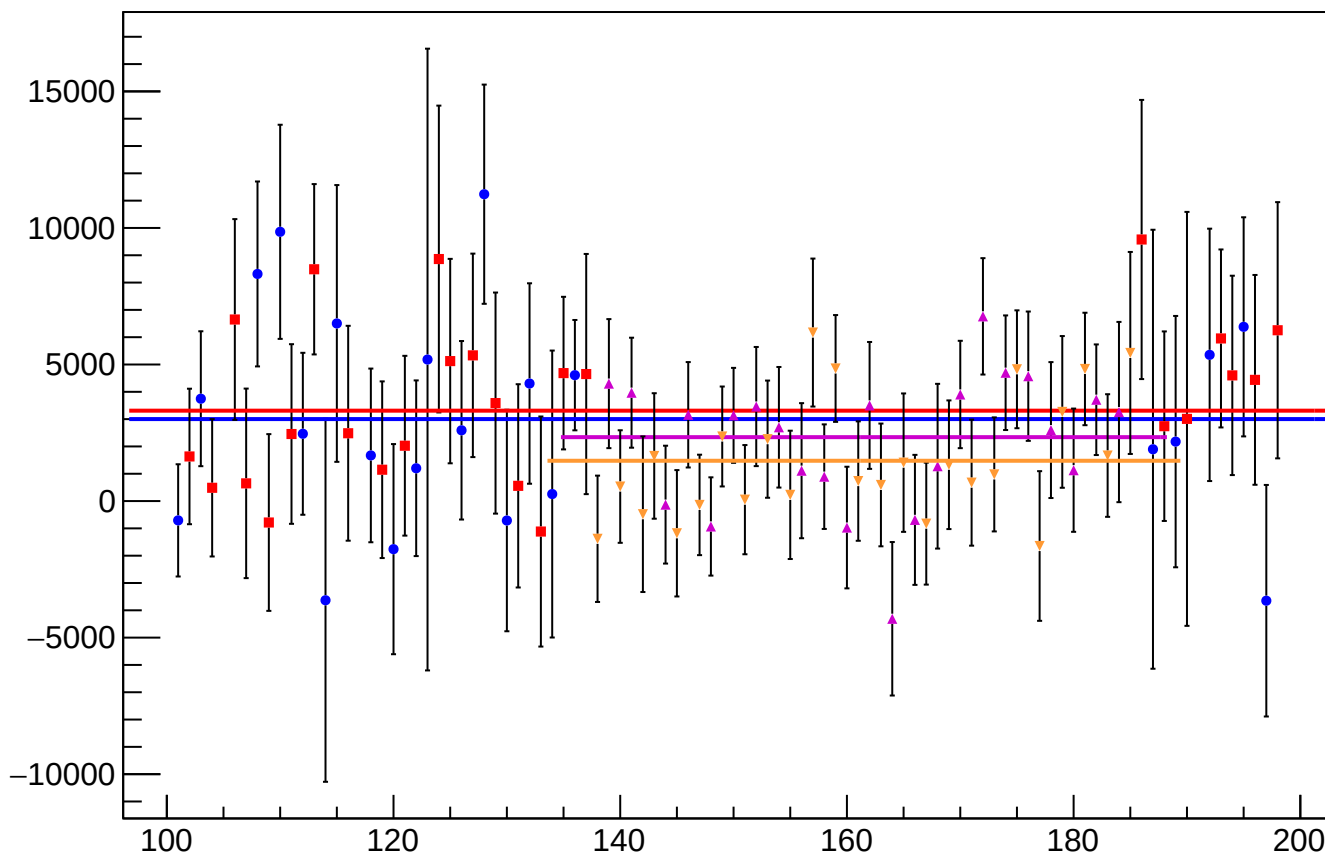
Right: 2982.788+/-0.792 χ^2/NDF : 339855.0/11

In: 1605.716+/-0.260 χ^2/NDF : 2177882.3/27

Out: 1660.683+/-0.254 χ^2/NDF : 2899601.8/31

All: 1633.813+/-0.182 χ^2/NDF : 5100324.8/59

asym_usr_mean vs Slug, Sign Corrected



Right In: 3001.927 $\pm$ 745.624 χ^2 /NDF: 22.0/21

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

Right Out: 3309.964 $\pm$ 709.447 χ^2 /NDF: 14.5/24

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

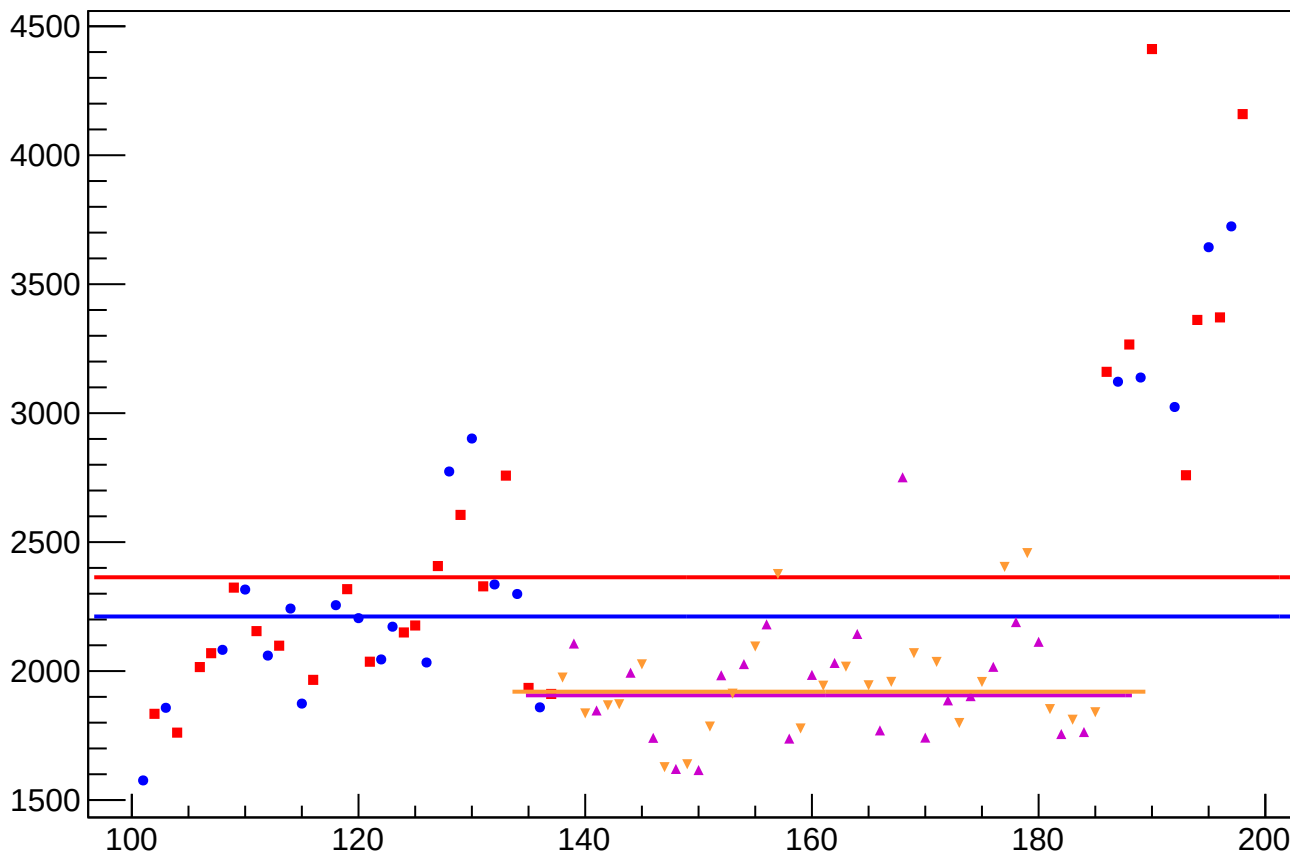
Right: 3163.600 $\pm$ 513.969 χ^2 /NDF: 36.6/46

In: 2520.945 $\pm$ 389.915 χ^2 /NDF:47.8/44

Out: 2004.165 $\pm$ 380.813 χ^2 /NDF:40.2/49

All: 2256.453 $\pm$ 272.437 χ^2 /NDF: 88.8/94

asym_usr_rms vs Slug, Sign Corrected



Right In: 2211.642+/-0.527 χ^2/NDF : 1101354.4/21

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

Right Out: 2363.691+/-0.502 χ^2/NDF : 1342547.9/24

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

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

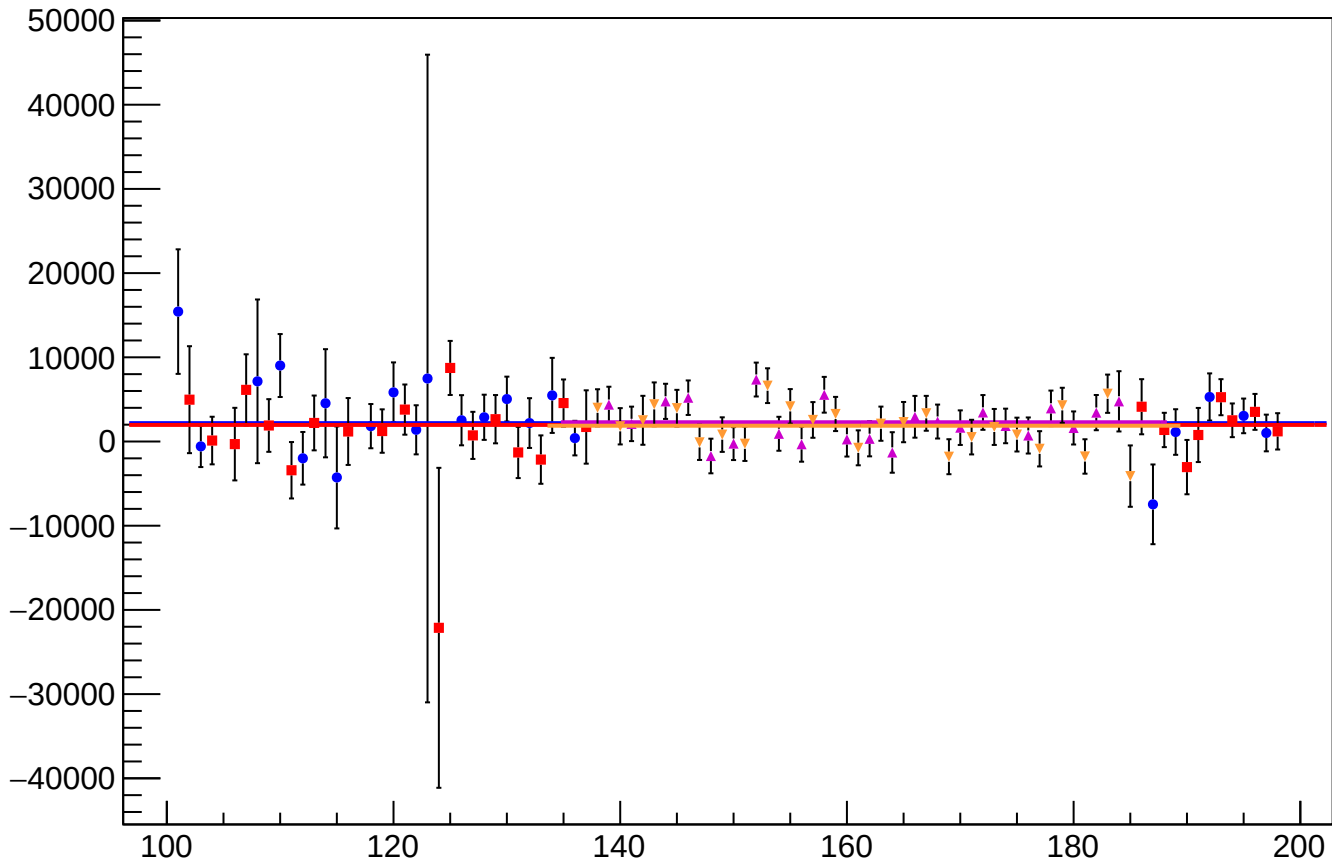
Right: 2291.445+/-0.363 χ^2/NDF : 2487553.0/46

In: 1989.613+/-0.276 χ^2/NDF : 1796499.8/44

Out: 2047.898+/-0.269 χ^2/NDF : 2265131.8/49

All: 2019.444+/-0.193 χ^2/NDF : 4084503.8/94

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2178.940 $\pm$ 657.619 χ^2 /NDF: 20.8/21

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

Right Out: 1971.874 $\pm$ 571.709 χ^2 /NDF: 21.5/25

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

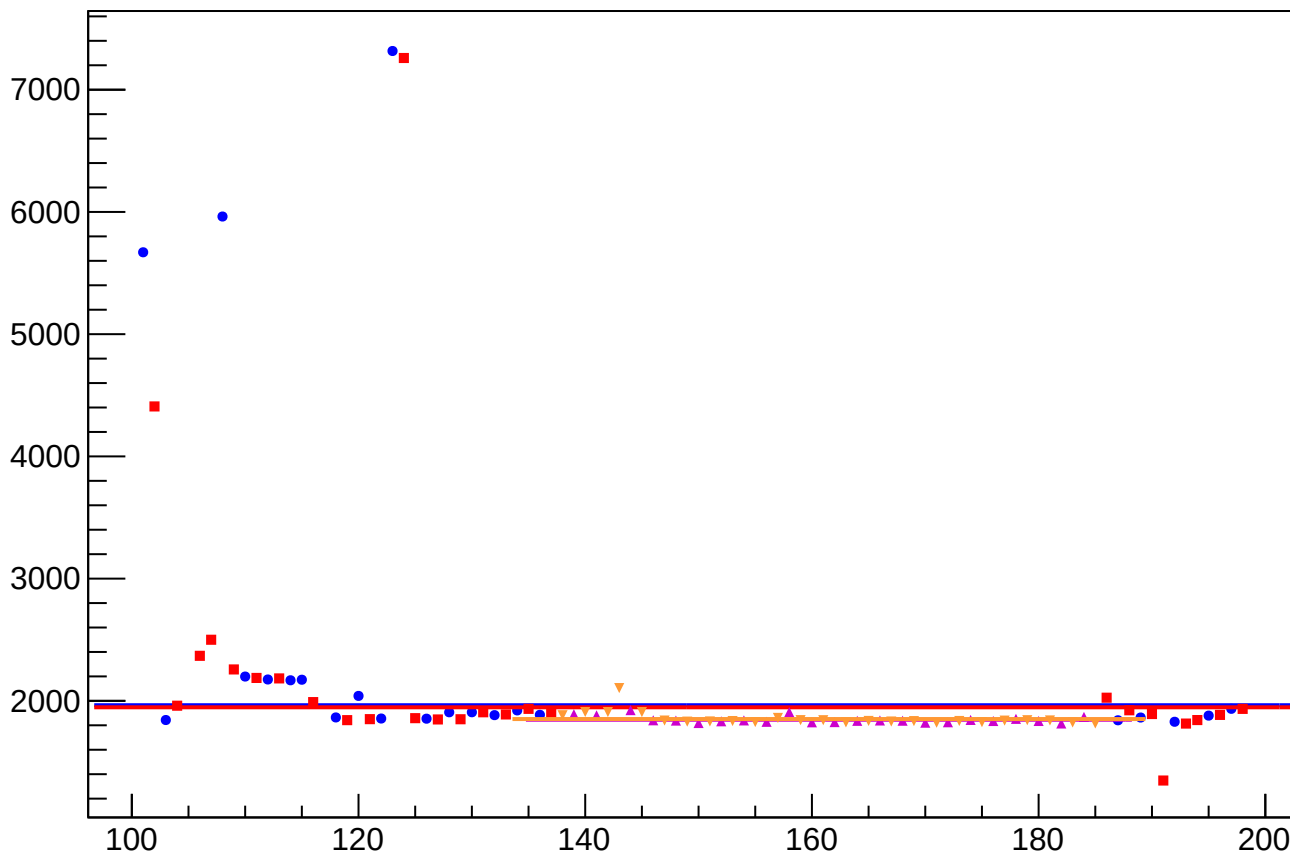
Right: 2061.007 $\pm$ 431.458 χ^2 /NDF: 42.4/47

In: 2252.974 $\pm$ 366.271 χ^2 /NDF:48.2/44

Out: 1910.523 $\pm$ 345.298 χ^2 /NDF:51.6/50

All: 2071.664 $\pm$ 251.250 χ^2 /NDF: 100.2/95

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1964.221+/-0.465 χ^2/NDF : 933655.8/21

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

Right Out: 1947.234+/-0.404 χ^2/NDF : 650697.8/25

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

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

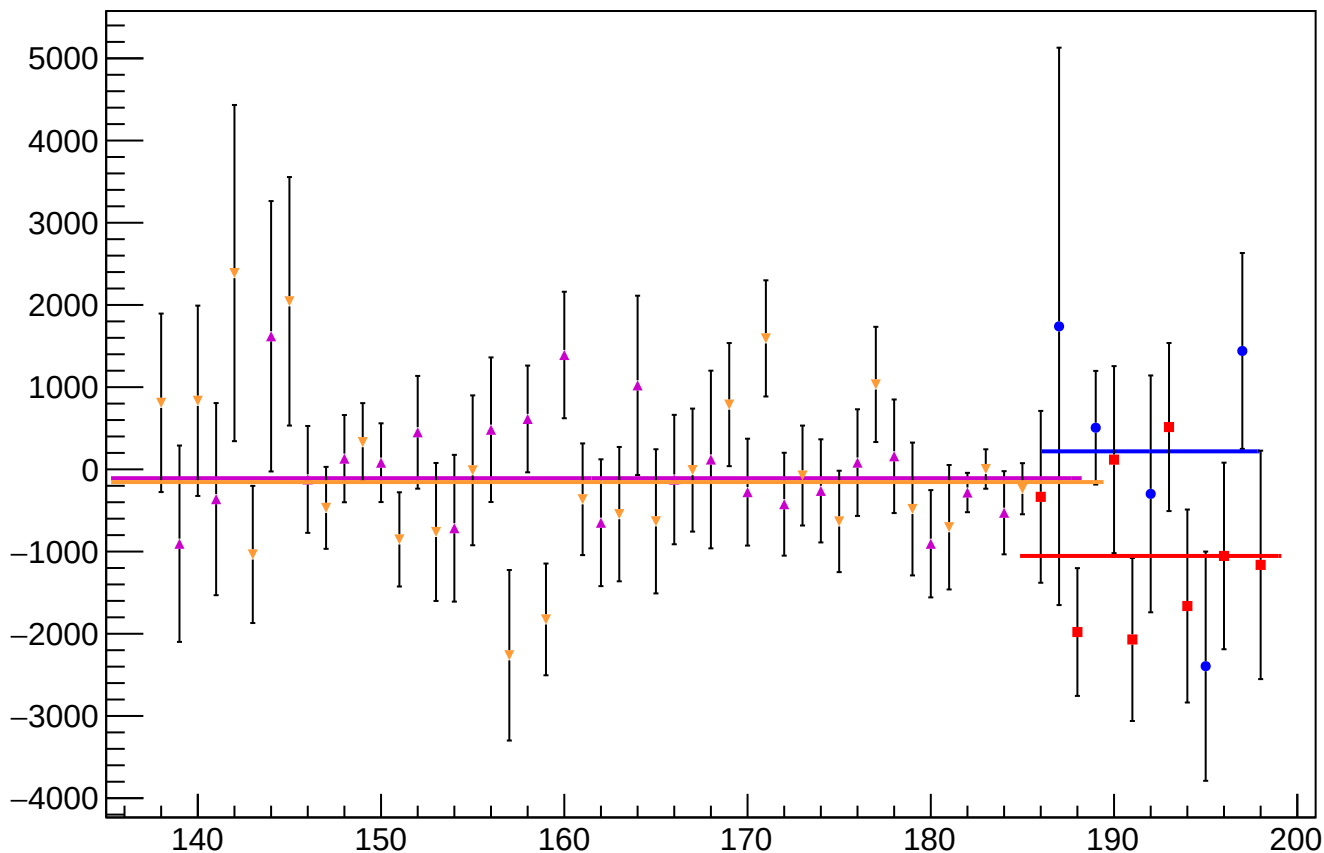
Right: 1954.546+/-0.305 χ^2/NDF : 1585113.6/47

In: 1882.267+/-0.259 χ^2/NDF : 987004.7/44

Out: 1886.147+/-0.244 χ^2/NDF : 712896.4/50

All: 1884.321+/-0.178 χ^2/NDF : 1700019.9/95

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: 219.066 $\pm$ 507.703 χ^2/NDF : 5.1/4

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

Right Out: -1053.394 $\pm$ 369.165 χ^2/NDF : 6.6/7

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

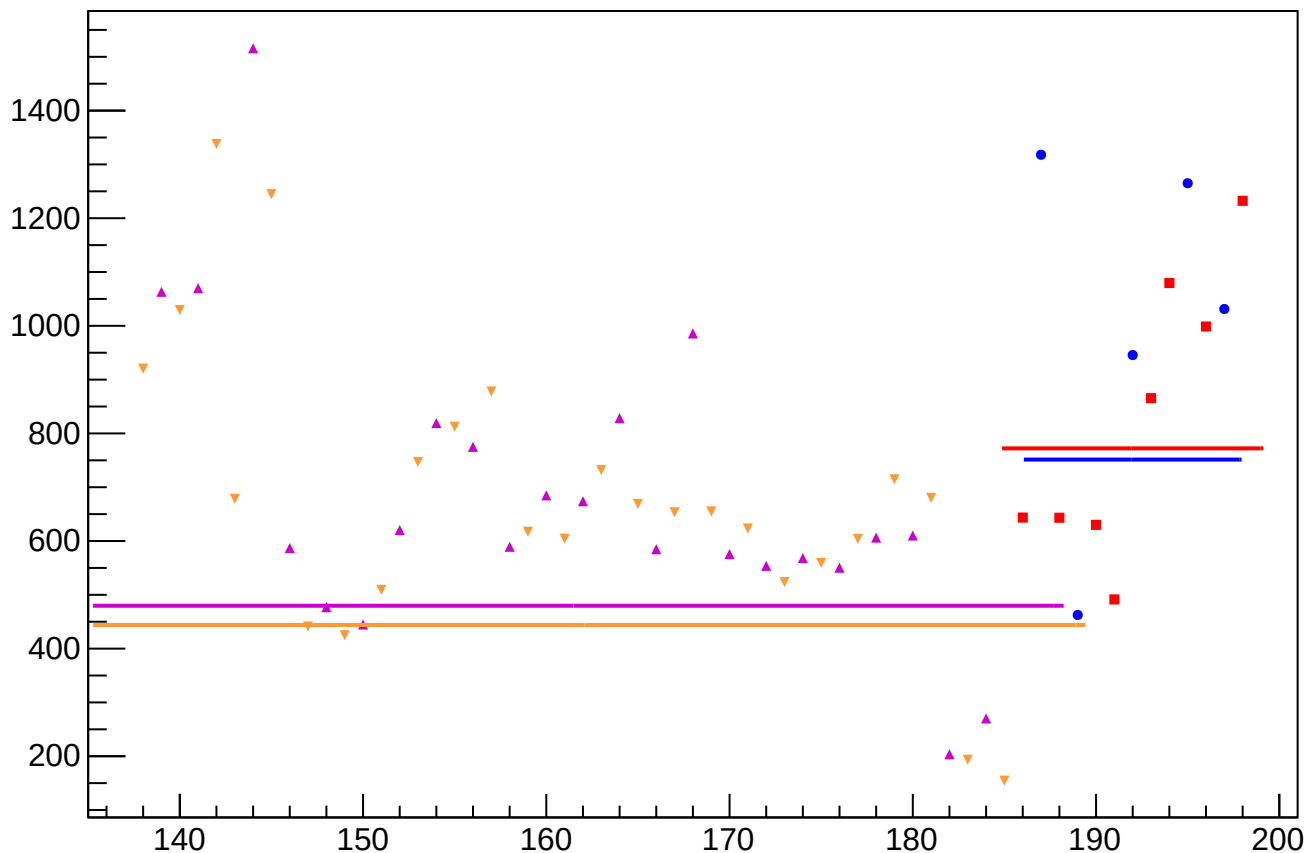
Right: -613.306 $\pm$ 298.578 χ^2/NDF : 15.8/12

In: -87.998 $\pm$ 123.733 χ^2/NDF :19.0/27

Out: -240.267 $\pm$ 113.824 χ^2/NDF :45.0/32

All: -170.473 $\pm$ 83.770 χ^2/NDF : 64.7/60

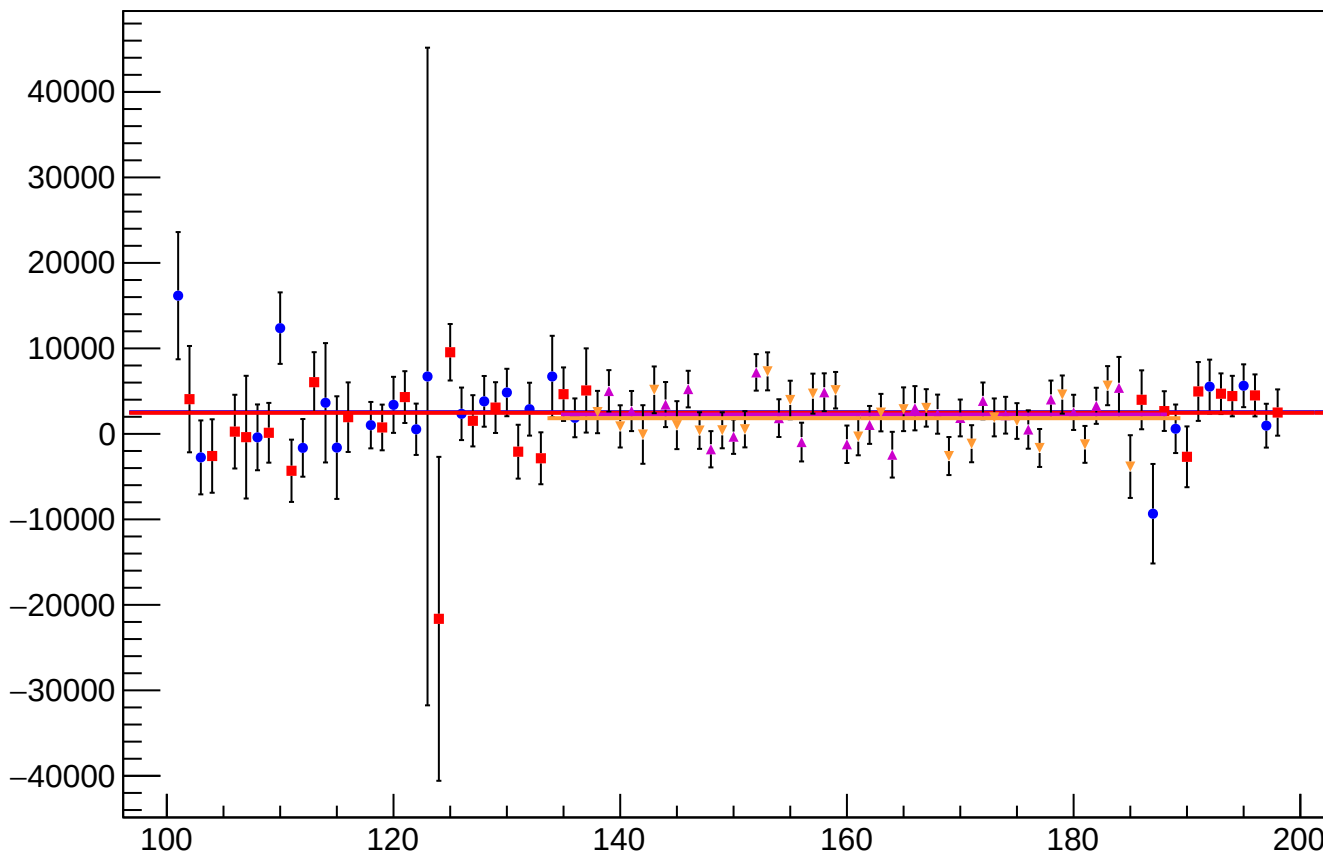
asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 751.392 $\pm$ 0.359 χ^2 /NDF: 823068.2/4
 Left Out: 443.961 $\pm$ 0.085 χ^2 /NDF: 8573133.3/24
 Right Out: 772.212 $\pm$ 0.261 χ^2 /NDF: 729690.0/7
 Left In: 479.723 $\pm$ 0.090 χ^2 /NDF: 6734597.7/22

Left: 460.697 $\pm$ 0.062 χ^2 /NDF: 15391334.0/47
 Right: 765.011 $\pm$ 0.211 χ^2 /NDF: 1554958.2/12
 In: 495.859 $\pm$ 0.087 χ^2 /NDF: 8096307.3/27
 Out: 475.167 $\pm$ 0.080 χ^2 /NDF: 10733740.1/32
 All: 484.651 $\pm$ 0.059 χ^2 /NDF: 18860340.7/60

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2537.851 $\pm$ 719.869 χ^2 /NDF: 23.0/21

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

Right Out: 2468.535 $\pm$ 637.371 χ^2 /NDF: 25.0/25

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

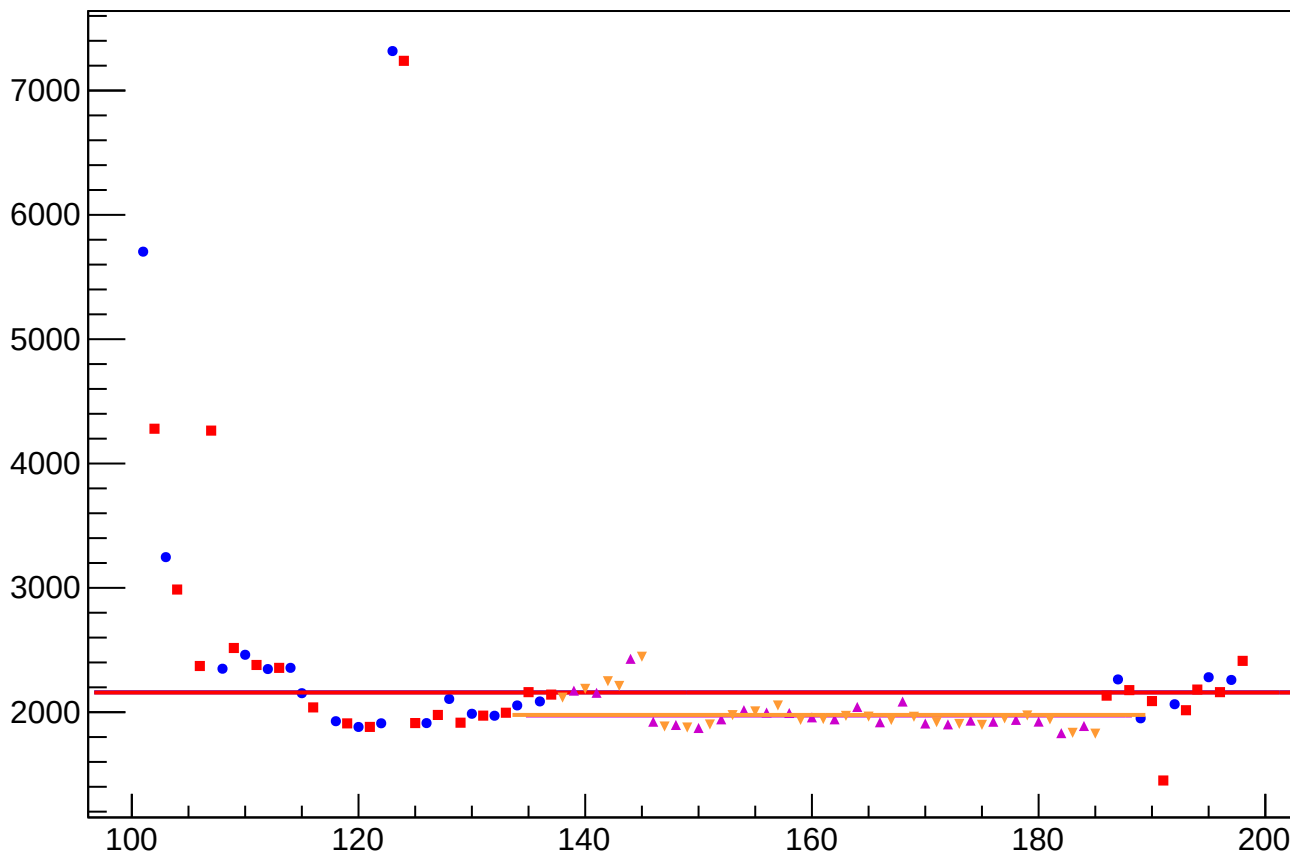
Right: 2498.995 $\pm$ 477.203 χ^2 /NDF: 48.0/47

In: 2343.742 $\pm$ 394.908 χ^2 /NDF:49.4/44

Out: 2054.131 $\pm$ 375.007 χ^2 /NDF:58.4/50

All: 2191.456 $\pm$ 271.934 χ^2 /NDF: 108.1/95

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2159.661 $\pm$ 0.509 χ^2 /NDF: 734911.9/21

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

Right Out: 2158.204 $\pm$ 0.451 χ^2 /NDF: 853490.9/25

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

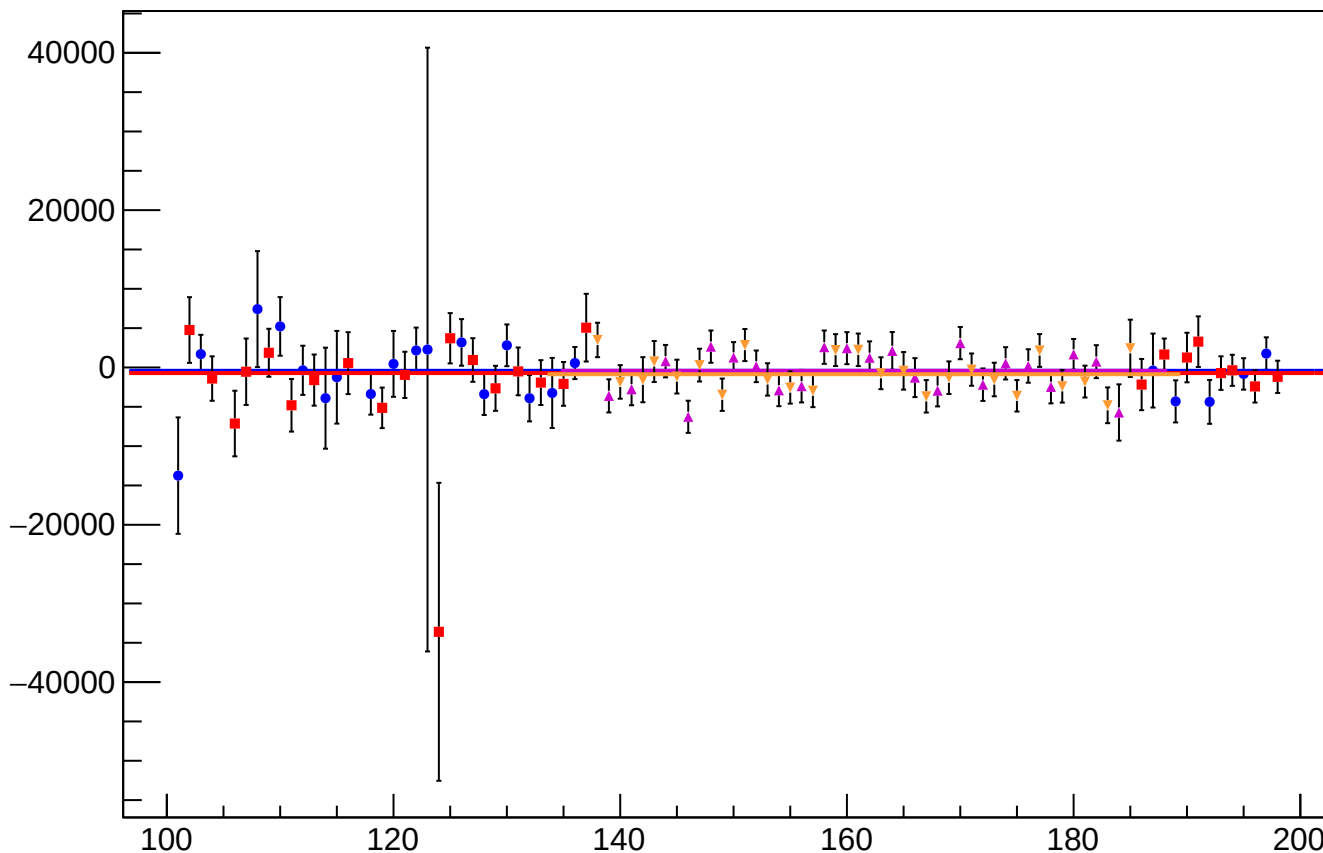
Right: 2158.845 $\pm$ 0.337 χ^2 /NDF: 1588407.3/47

In: 2029.326 $\pm$ 0.279 χ^2 /NDF:949176.9/44

Out: 2040.412 $\pm$ 0.265 χ^2 /NDF:1095667.6/50

All: 2035.155 $\pm$ 0.192 χ^2 /NDF: 2045673.2/95

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -425.961+/-651.527 χ^2/NDF : 21.4/21

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

Right Out: -710.725+/-561.475 χ^2/NDF : 21.7/25

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

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

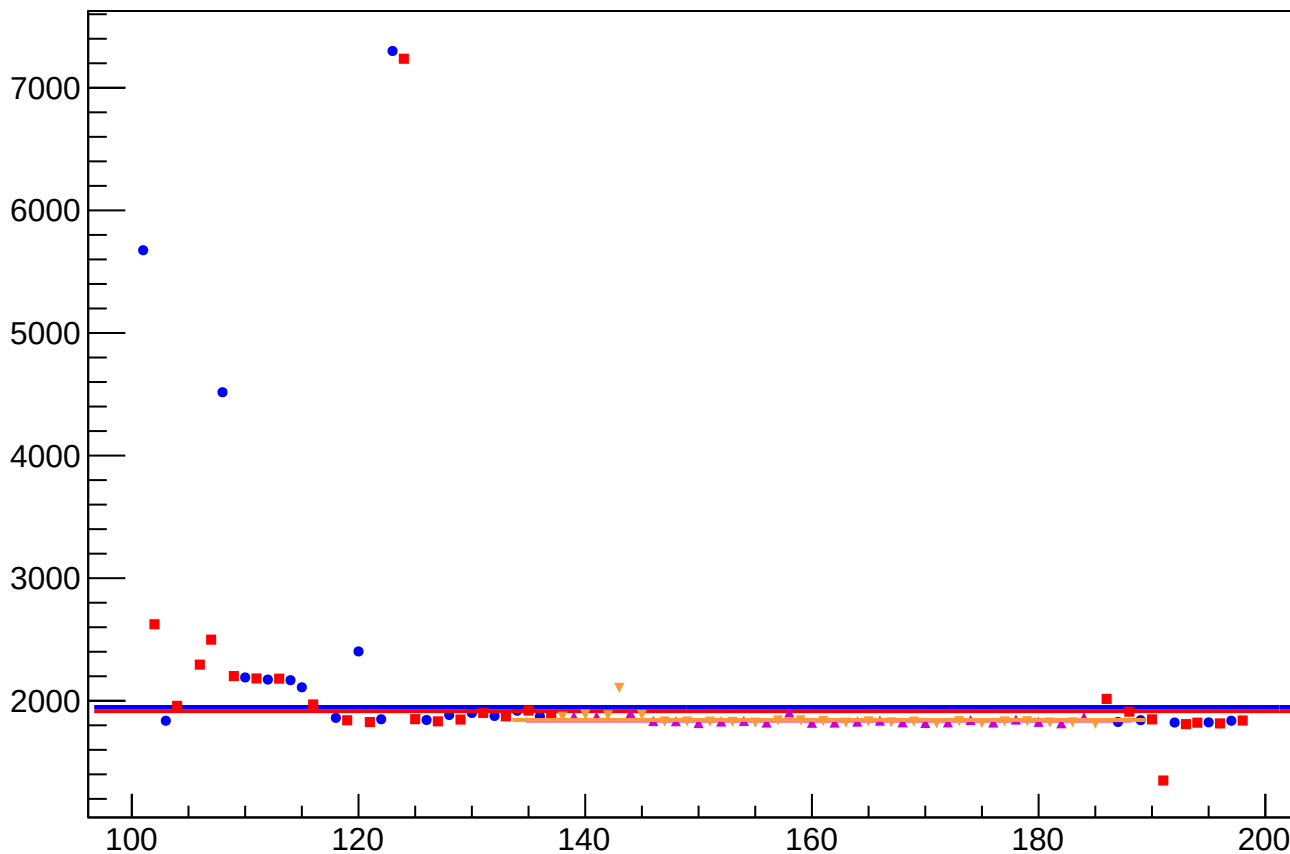
Right: -589.367+/-425.327 χ^2/NDF : 43.2/47

In: -427.144+/-364.387 χ^2/NDF : 55.1/44

Out: -803.721+/-342.119 χ^2/NDF : 48.7/50

All: -627.290+/-249.415 χ^2/NDF : 104.3/95

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1949.514+/-0.461 χ^2/NDF : 873747.0/21

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

Right Out: 1915.866+/-0.397 χ^2/NDF : 404409.6/25

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

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

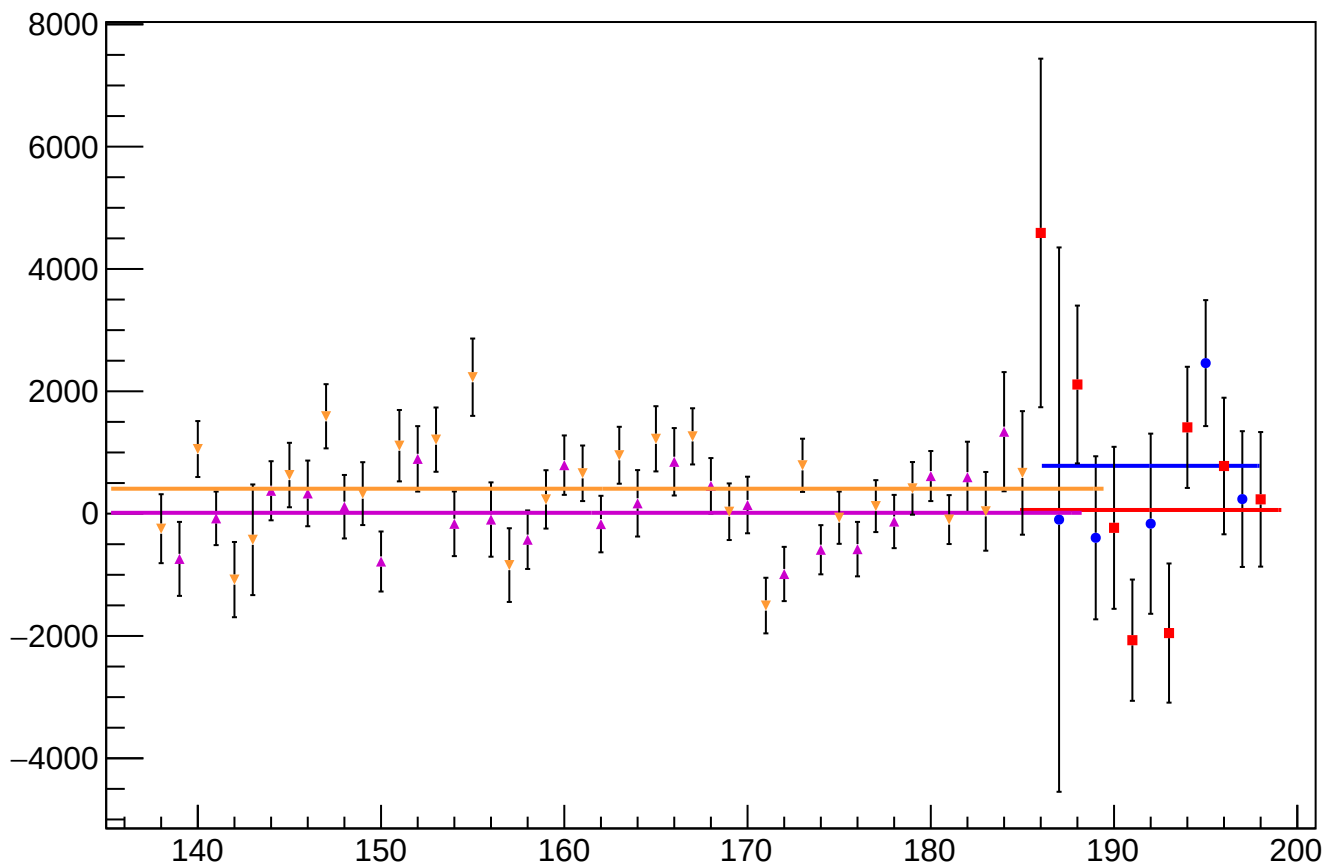
Right: 1930.206+/-0.301 χ^2/NDF : 1281217.7/47

In: 1873.865+/-0.258 χ^2/NDF : 919402.4/44

Out: 1870.389+/-0.242 χ^2/NDF : 450252.3/50

All: 1872.017+/-0.176 χ^2/NDF : 1369751.4/95

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 781.474 ± 594.531 $\chi^2/\text{NDF}: 4.1/4$

Left Out: 407.320 ± 101.221 $\chi^2/\text{NDF}: 62.1/24$

Right Out: 59.734 ± 417.657 $\chi^2/\text{NDF}: 15.1/7$

Left In: 13.395 ± 102.912 $\chi^2/\text{NDF}: 29.2/22$

Left: 213.621 ± 72.165 $\chi^2/\text{NDF}: 98.8/47$

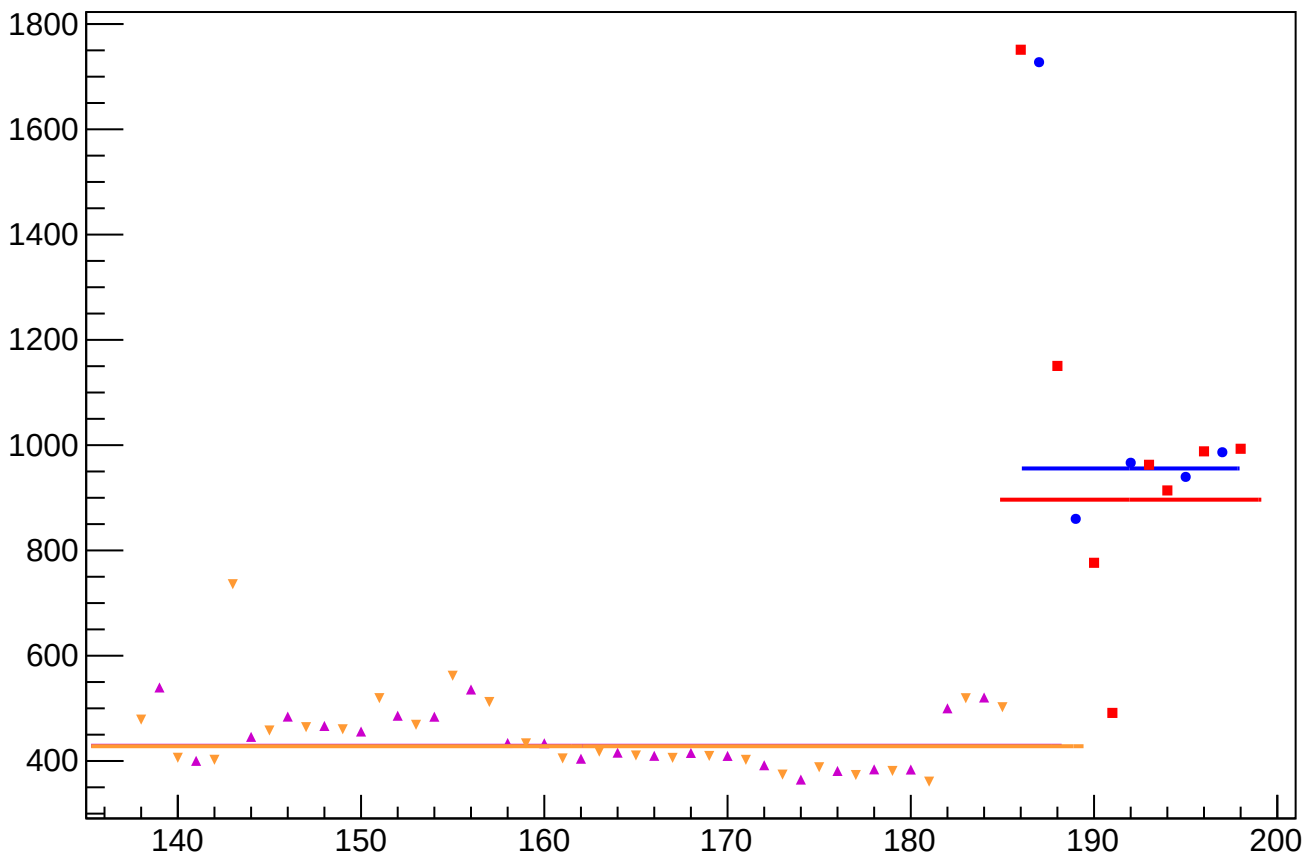
Right: 298.221 ± 341.756 $\chi^2/\text{NDF}: 20.3/12$

In: 35.739 ± 101.404 $\chi^2/\text{NDF}: 35.0/27$

Out: 388.037 ± 98.374 $\chi^2/\text{NDF}: 77.9/32$

All: 217.232 ± 70.608 $\chi^2/\text{NDF}: 119.1/60$

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 955.729+/-0.420 χ^2/NDF : 72608.4/4

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

Right Out: 896.417+/-0.295 χ^2/NDF : 644353.8/7

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

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

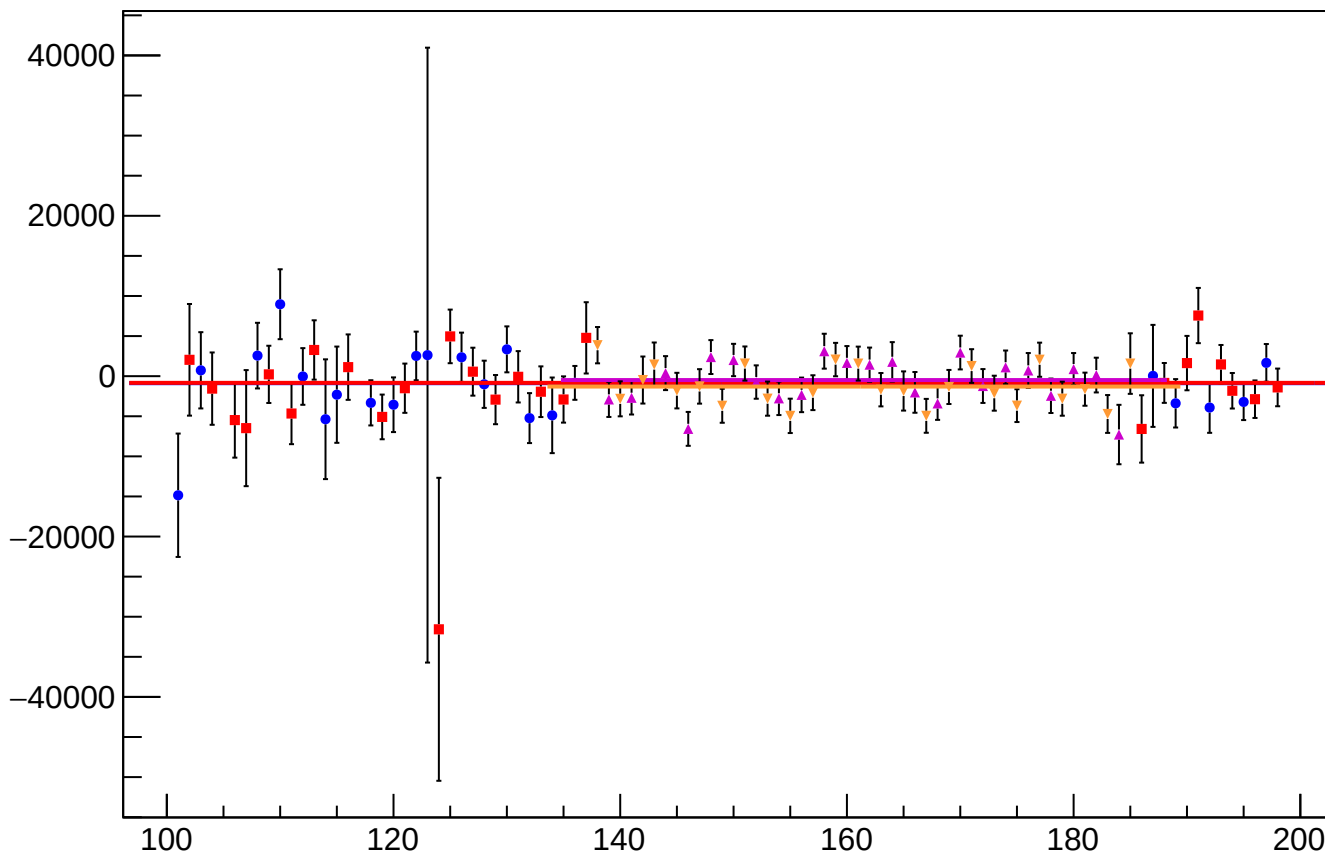
Right: 916.016+/-0.242 χ^2/NDF : 730290.2/12

In: 444.252+/-0.072 χ^2/NDF : 2015961.3/27

Out: 454.036+/-0.070 χ^2/NDF : 3724678.7/32

All: 449.292+/-0.050 χ^2/NDF : 5750231.6/60

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -874.931 ± 716.492 χ^2/NDF : 22.2/21

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

Right Out: -834.204 ± 638.145 χ^2/NDF : 25.6/25

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

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

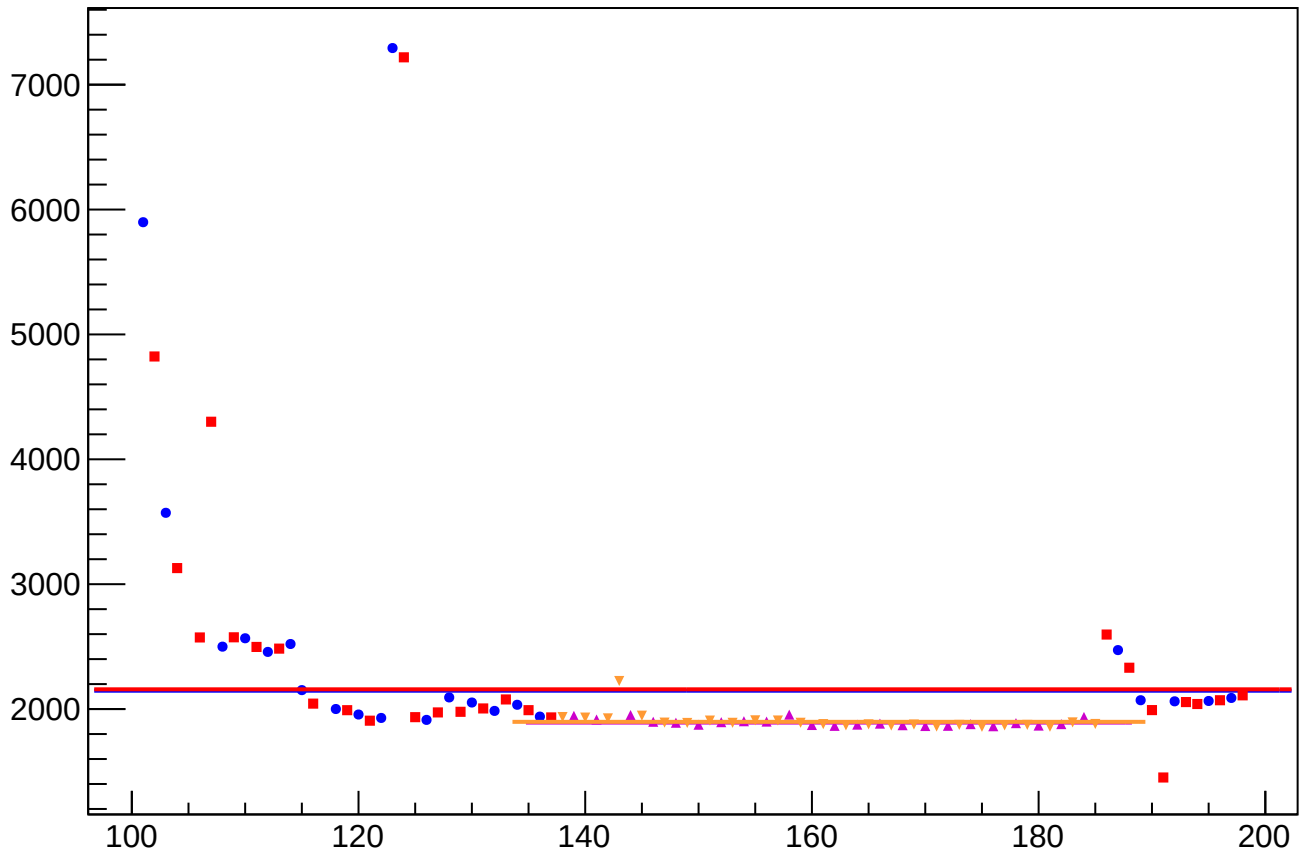
Right: -852.220 ± 476.538 χ^2/NDF : 47.7/47

In: -596.604 ± 382.299 χ^2/NDF : 54.8/44

Out: -1144.054 ± 364.546 χ^2/NDF : 55.6/50

All: -883.334 ± 263.826 χ^2/NDF : 111.4/95

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2146.993 $\pm$ 0.507 χ^2 /NDF: 819060.2/21

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

Right Out: 2158.107 $\pm$ 0.451 χ^2 /NDF: 975426.3/25

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

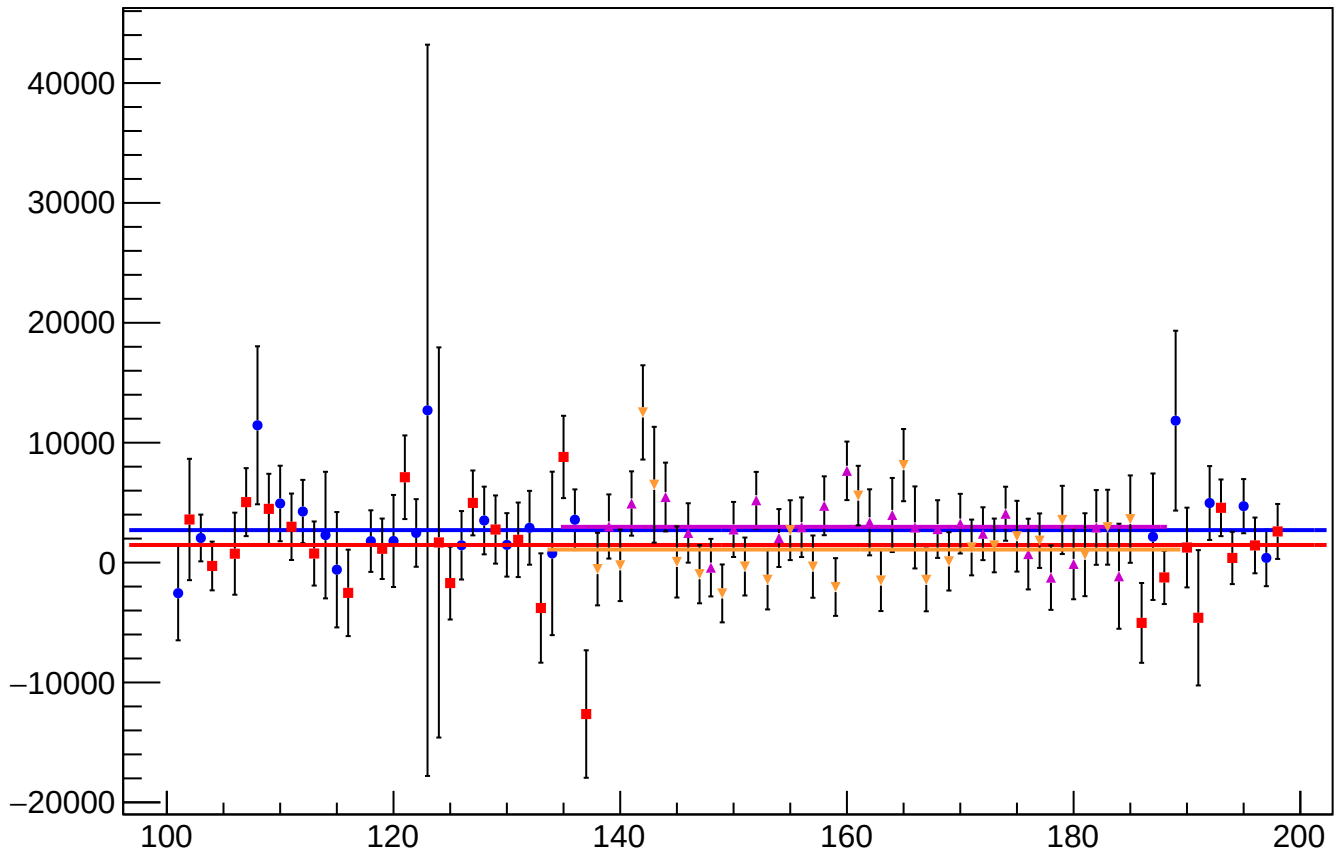
Right: 2153.191 $\pm$ 0.337 χ^2 /NDF: 1794754.9/47

In: 1964.397 $\pm$ 0.270 χ^2 /NDF: 1008237.8/44

Out: 1982.660 $\pm$ 0.258 χ^2 /NDF: 1234925.0/50

All: 1973.963 $\pm$ 0.187 χ^2 /NDF: 2245553.4/95

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2707.093 $\pm$ 669.851 χ^2 /NDF: 9.8/21

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

Right Out: 1467.953 $\pm$ 575.654 χ^2 /NDF: 32.5/25

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

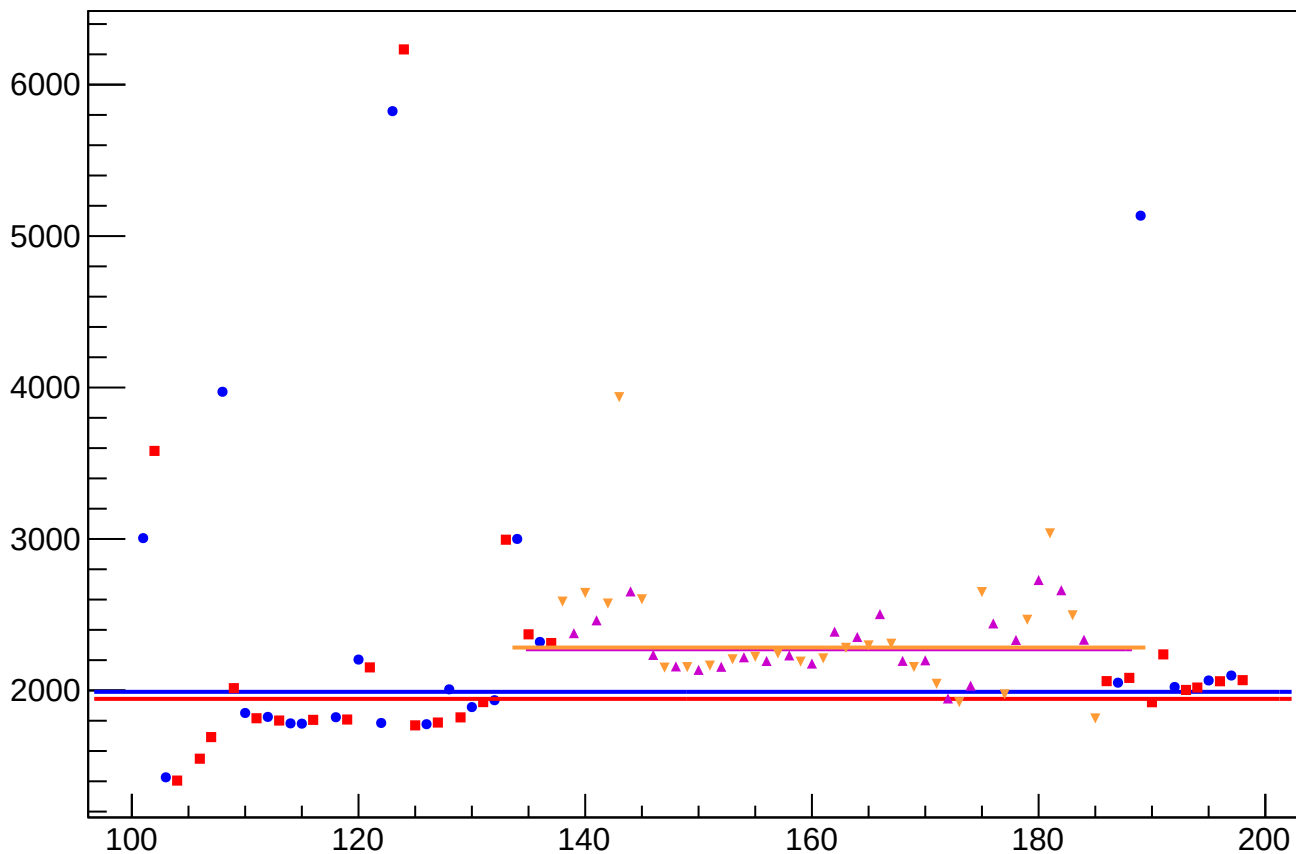
Right: 1994.340 $\pm$ 436.587 χ^2 /NDF: 44.2/47

In: 2871.731 $\pm$ 423.268 χ^2 /NDF:23.9/44

Out: 1266.138 $\pm$ 394.220 χ^2 /NDF:62.6/50

All: 2011.956 $\pm$ 288.479 χ^2 /NDF: 94.2/95

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1990.766+/-0.474 χ^2/NDF : 1007917.2/21

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

Right Out: 1944.307+/-0.407 χ^2/NDF : 752763.7/25

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

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

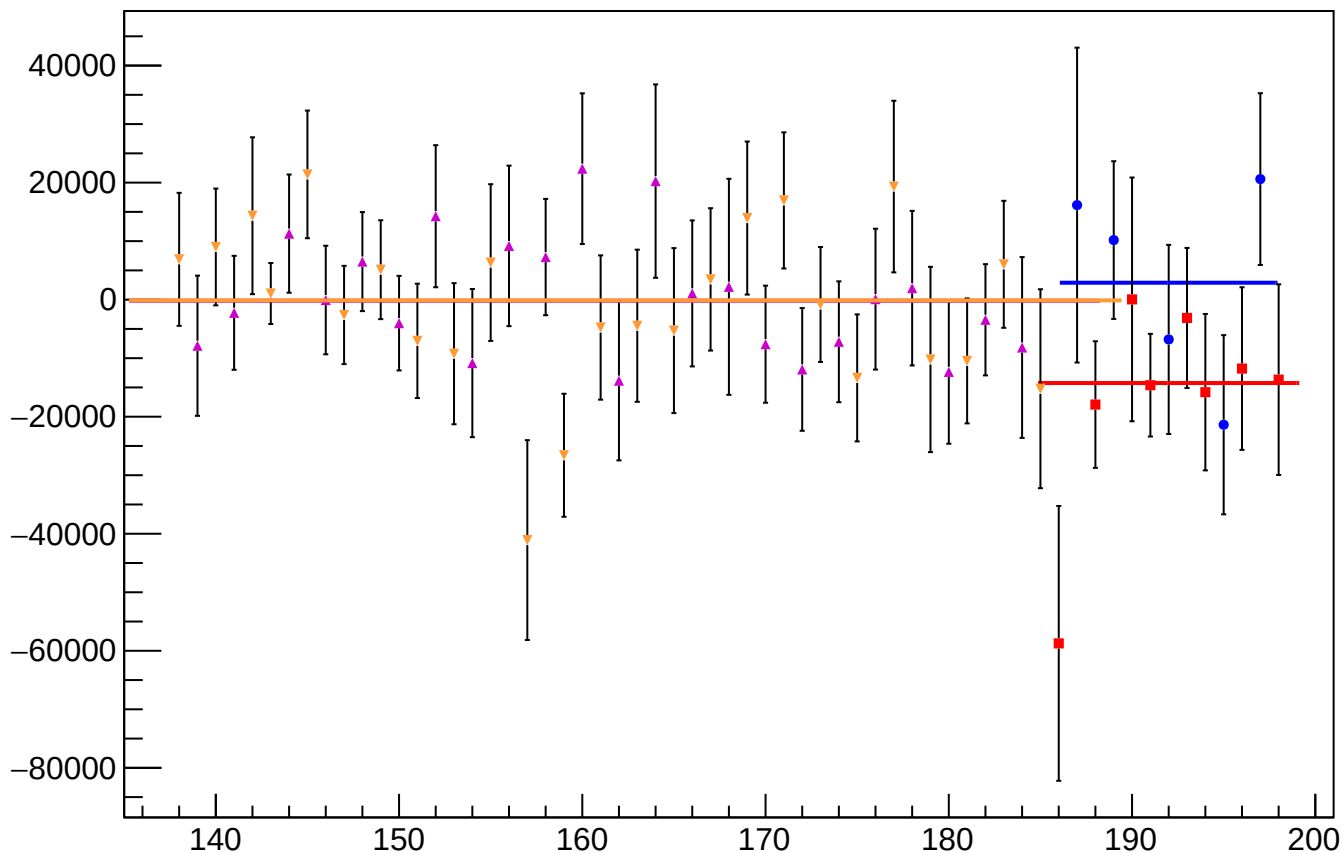
Right: 1964.040+/-0.309 χ^2/NDF : 1766215.5/47

In: 2159.677+/-0.299 χ^2/NDF : 1463161.4/44

Out: 2124.249+/-0.279 χ^2/NDF : 1755328.7/50

All: 2140.705+/-0.204 χ^2/NDF : 3225993.6/95

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: 2894.669 $\pm$ 7137.327 χ^2 /NDF: 4.9/4

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

Right Out: -14246.957 $\pm$ 4602.497 χ^2 /NDF: 5.1/7

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

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

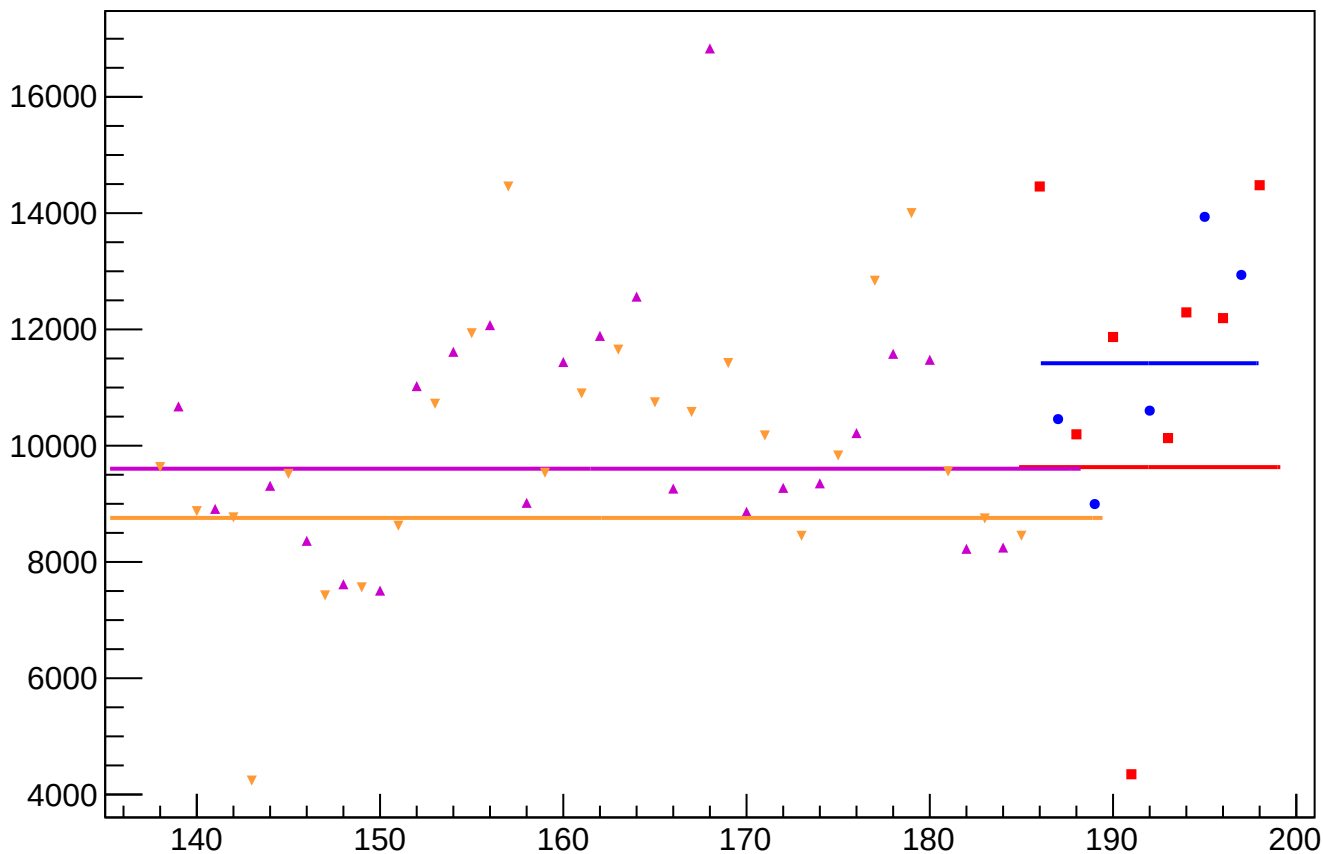
Right: -9212.452 $\pm$ 3868.013 χ^2 /NDF: 14.0/12

In: 111.676 $\pm$ 2215.303 χ^2 /NDF:20.1/27

Out: -2638.638 $\pm$ 1941.968 χ^2 /NDF:42.5/32

All: -1443.532 $\pm$ 1460.311 χ^2 /NDF: 63.5/60

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 11418.112 $\pm$ 5.047 χ^2 /NDF: 147821.4/4

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

Right Out: 9631.482 $\pm$ 3.254 χ^2 /NDF: 1167068.3/7

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

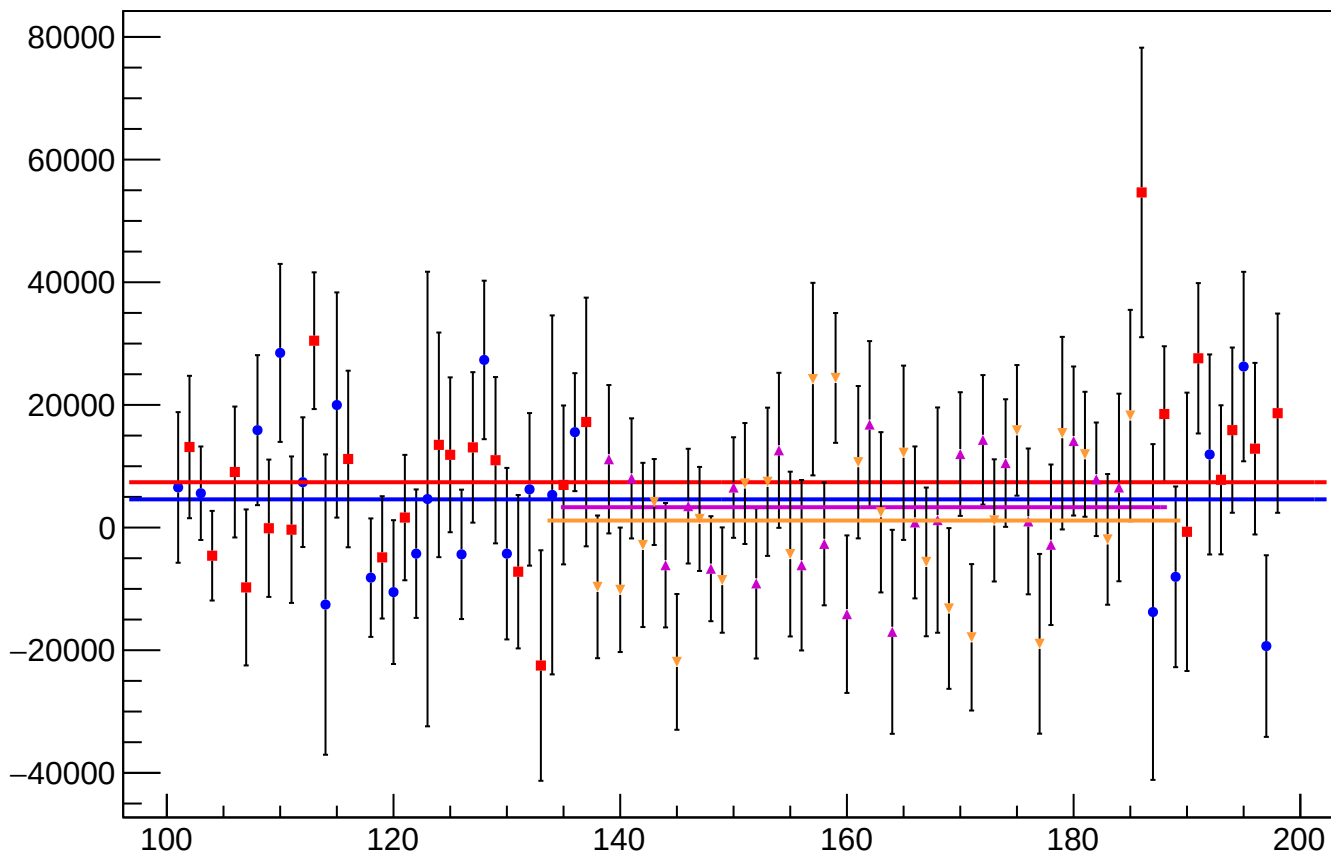
Right: 10156.216 $\pm$ 2.735 χ^2 /NDF: 1403404.8/12

In: 9778.792 $\pm$ 1.566 χ^2 /NDF:1360383.3/27

Out: 8913.358 $\pm$ 1.373 χ^2 /NDF:4005409.3/32

All: 9289.419 $\pm$ 1.033 χ^2 /NDF: 5538391.1/60

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4600.047 $\pm$ 2735.240 χ^2/NDF : 20.5/21

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

Right Out: 7392.688 $\pm$ 2444.906 χ^2/NDF : 25.4/25

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

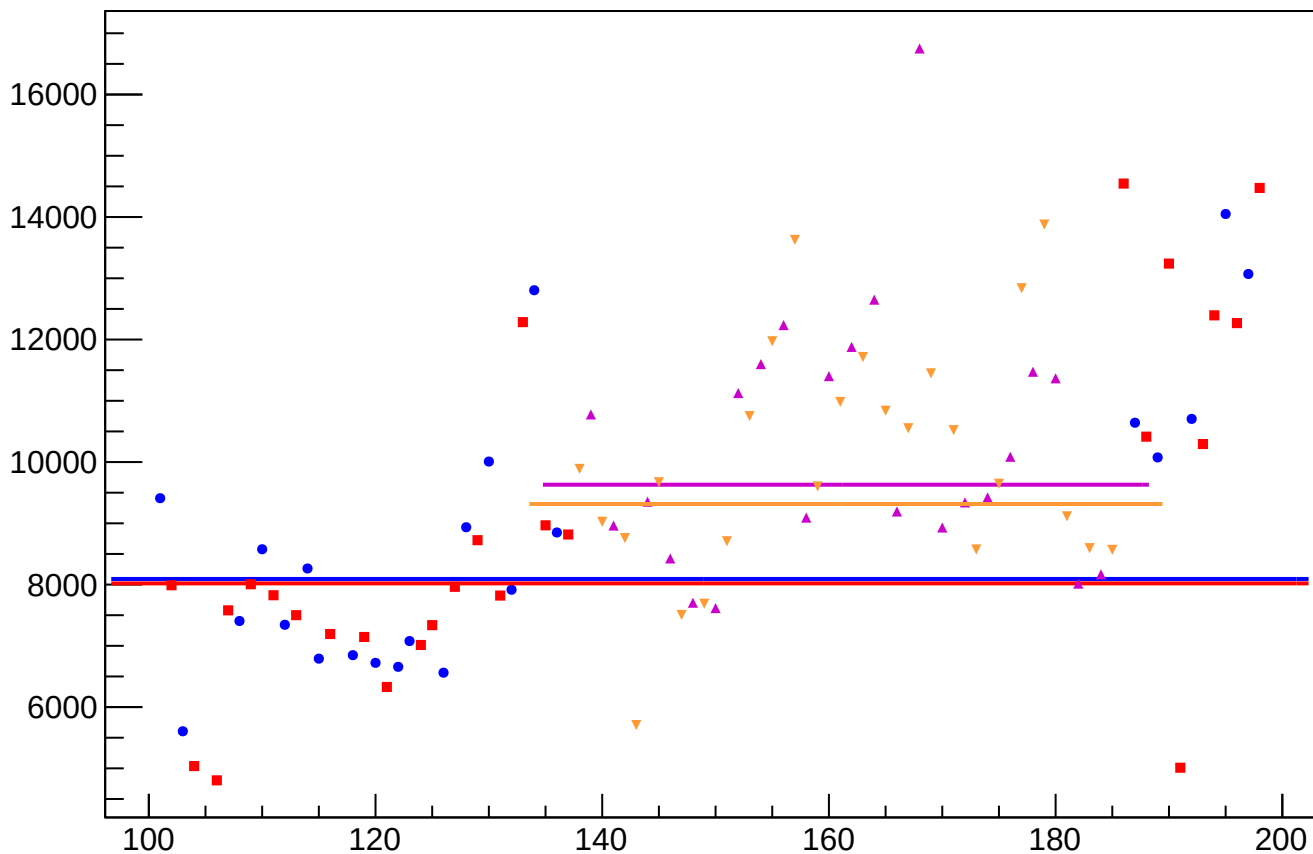
Right: 6152.398 $\pm$ 1822.844 χ^2/NDF : 46.4/47

In: 3858.165 $\pm$ 1776.432 χ^2/NDF : 34.0/44

Out: 3985.595 $\pm$ 1648.540 χ^2/NDF : 56.8/50

All: 3926.632 $\pm$ 1208.380 χ^2/NDF : 90.8/95

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8091.719 $\pm$ 1.934 χ^2/NDF : 1145537.5/21

Left Out: 9315.396 $\pm$ 1.579 χ^2/NDF : 1503512.6/24

Right Out: 8019.580 $\pm$ 1.729 χ^2/NDF : 1988309.5/25

Left In: 9630.345 $\pm$ 1.652 χ^2/NDF : 1074643.5/22

Left: 9465.715 $\pm$ 1.141 χ^2/NDF : 2597156.4/47

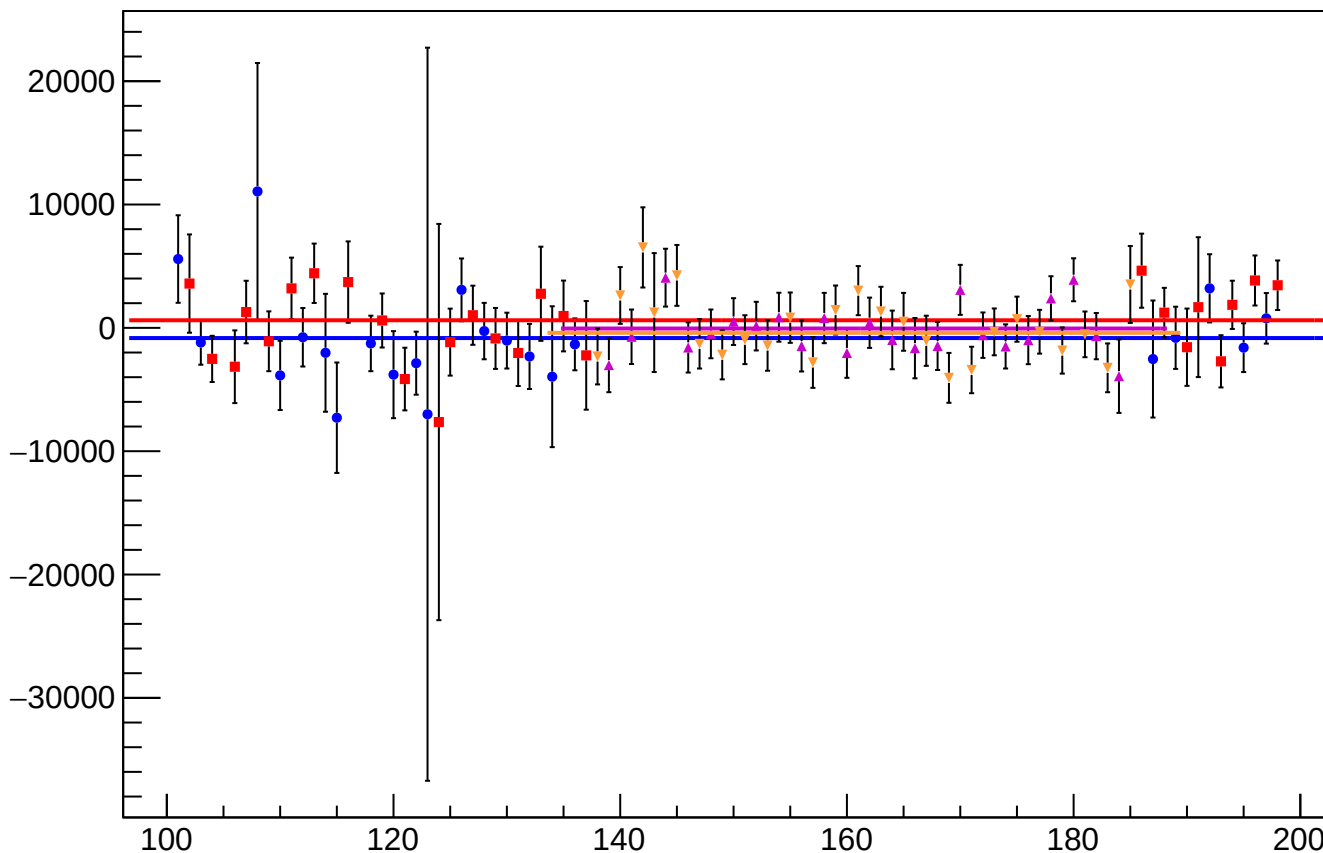
Right: 8051.616 $\pm$ 1.289 χ^2/NDF : 3134620.3/47

In: 8981.337 $\pm$ 1.256 χ^2/NDF : 2586108.2/44

Out: 8726.192 $\pm$ 1.166 χ^2/NDF : 3798242.7/50

All: 8844.246 $\pm$ 0.854 χ^2/NDF : 6406519.3/95

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -826.673+/-577.940 χ^2 /NDF: 15.5/21

Left Out: -403.389+/-419.243 χ^2 /NDF:28.9/24

Right Out: 615.796+/-506.155 χ^2 /NDF: 26.2/25

Left In: -53.539+/-422.570 χ^2 /NDF:20.9/22

Left: -229.847+/-297.619 χ^2 /NDF: 50.1/47

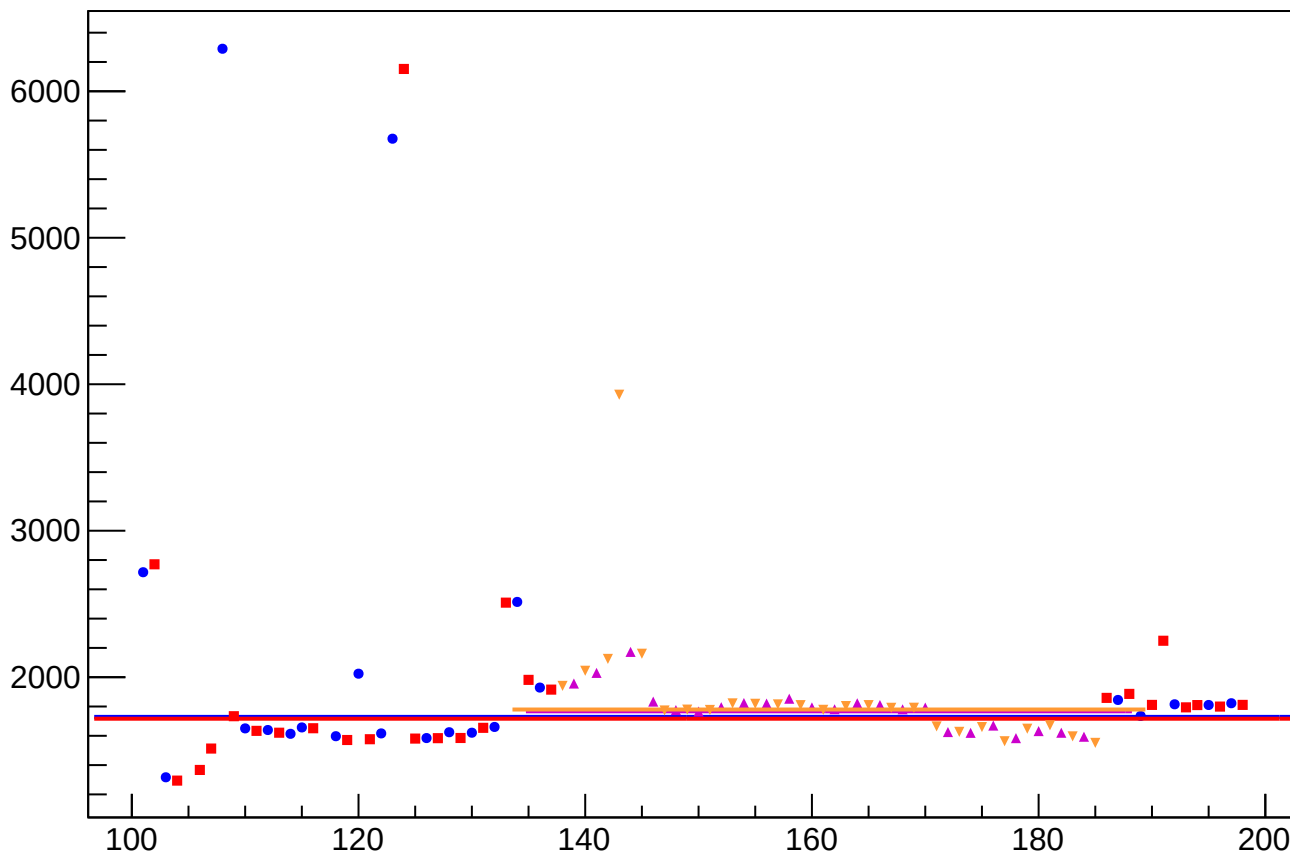
Right: -10.340+/-380.771 χ^2 /NDF: 45.1/47

In: -322.873+/-341.115 χ^2 /NDF:37.5/44

Out: 11.321+/-322.871 χ^2 /NDF:57.5/50

All: -146.601+/-234.489 χ^2 /NDF: 95.5/95

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1729.130+/-0.409 χ^2/NDF : 792732.4/21

Left Out: 1779.434+/-0.296 χ^2/NDF : 610925.0/24

Right Out: 1716.723+/-0.358 χ^2/NDF : 634892.4/25

Left In: 1767.314+/-0.299 χ^2/NDF : 196583.8/22

Left: 1773.422+/-0.210 χ^2/NDF : 808337.9/47

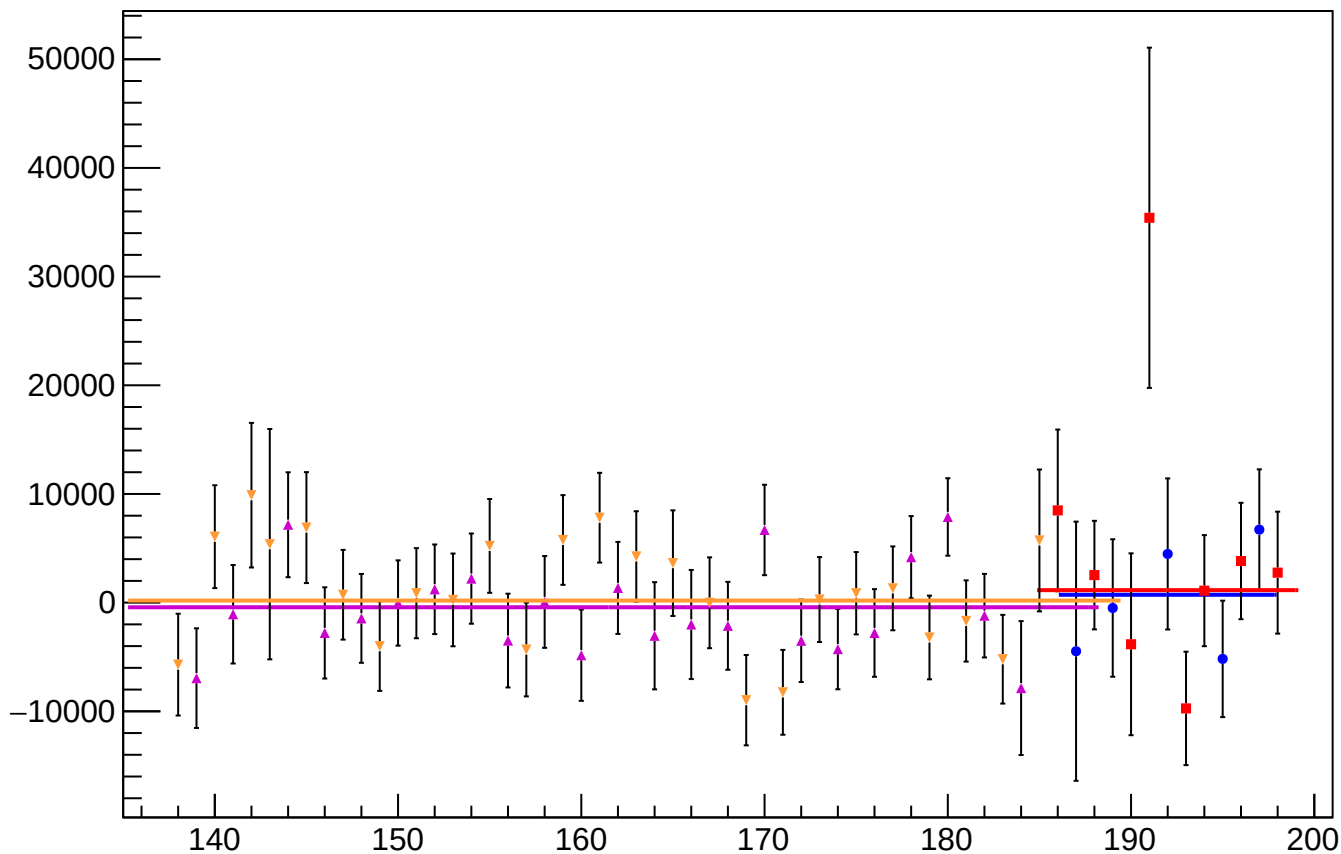
Right: 1722.108+/-0.269 χ^2/NDF : 1428146.5/47

In: 1754.012+/-0.241 χ^2/NDF : 995005.2/44

Out: 1753.917+/-0.228 χ^2/NDF : 1264026.1/50

All: 1753.962+/-0.166 χ^2/NDF : 2259031.4/95

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 724.020 $\pm$ 2886.074 χ^2 /NDF: 2.9/4

Left Out: 191.104 $\pm$ 869.912 χ^2 /NDF:30.6/24

Right Out: 1148.791 $\pm$ 2140.913 χ^2 /NDF: 10.9/7

Left In: -426.004 $\pm$ 874.870 χ^2 /NDF:21.3/22

Left: -115.696 $\pm$ 616.866 χ^2 /NDF: 52.1/47

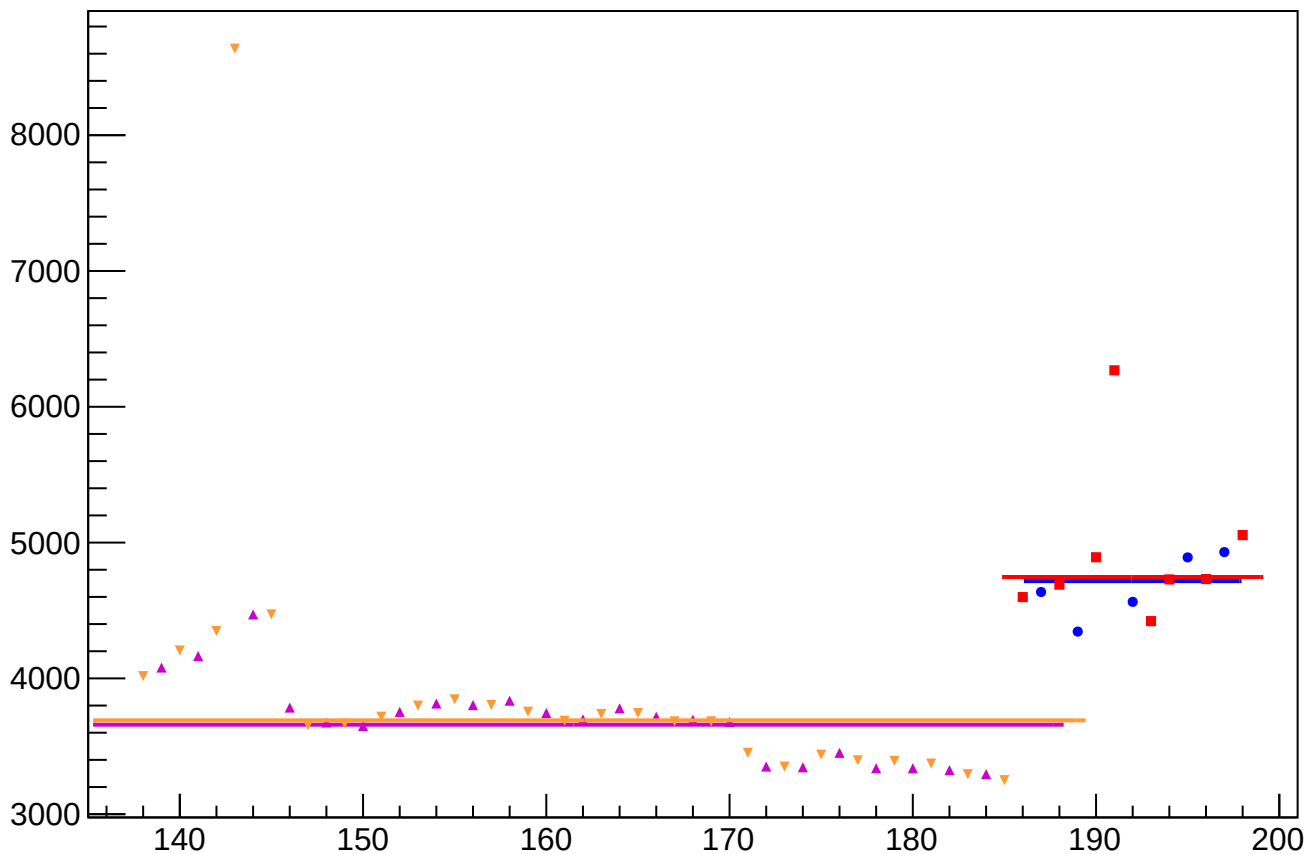
Right: 998.017 $\pm$ 1719.468 χ^2 /NDF: 13.8/12

In: -329.221 $\pm$ 837.248 χ^2 /NDF:24.3/27

Out: 326.814 $\pm$ 805.923 χ^2 /NDF:41.6/32

All: 11.299 $\pm$ 580.632 χ^2 /NDF: 66.3/60

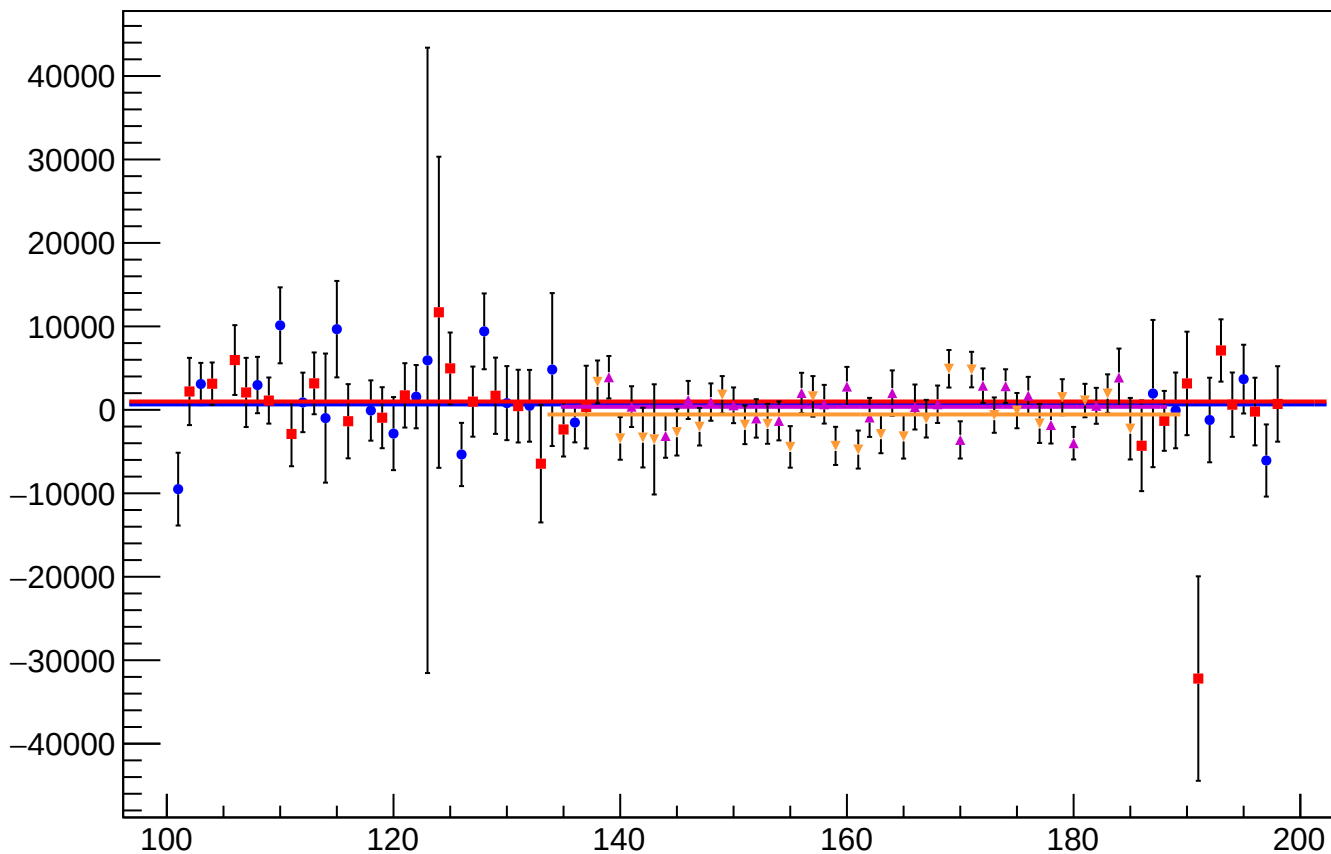
asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 4716.443+/-2.041 χ^2/NDF : 13056.2/4
 Left Out: 3691.174+/-0.615 χ^2/NDF : 639471.7/24
 Right Out: 4746.670+/-1.514 χ^2/NDF : 34419.0/7
 Left In: 3659.086+/-0.619 χ^2/NDF : 198077.1/22

Left: 3675.221+/-0.436 χ^2/NDF : 838901.7/47
 Right: 4735.941+/-1.216 χ^2/NDF : 47616.7/12
 In: 3748.071+/-0.592 χ^2/NDF : 456988.2/27
 Out: 3840.746+/-0.570 χ^2/NDF : 1091130.4/32
 All: 3796.174+/-0.411 χ^2/NDF : 1560837.9/60

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 651.607 ± 879.230 χ^2/NDF : 24.8/21

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

Right Out: 1000.013 ± 801.220 χ^2/NDF : 19.3/25

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

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

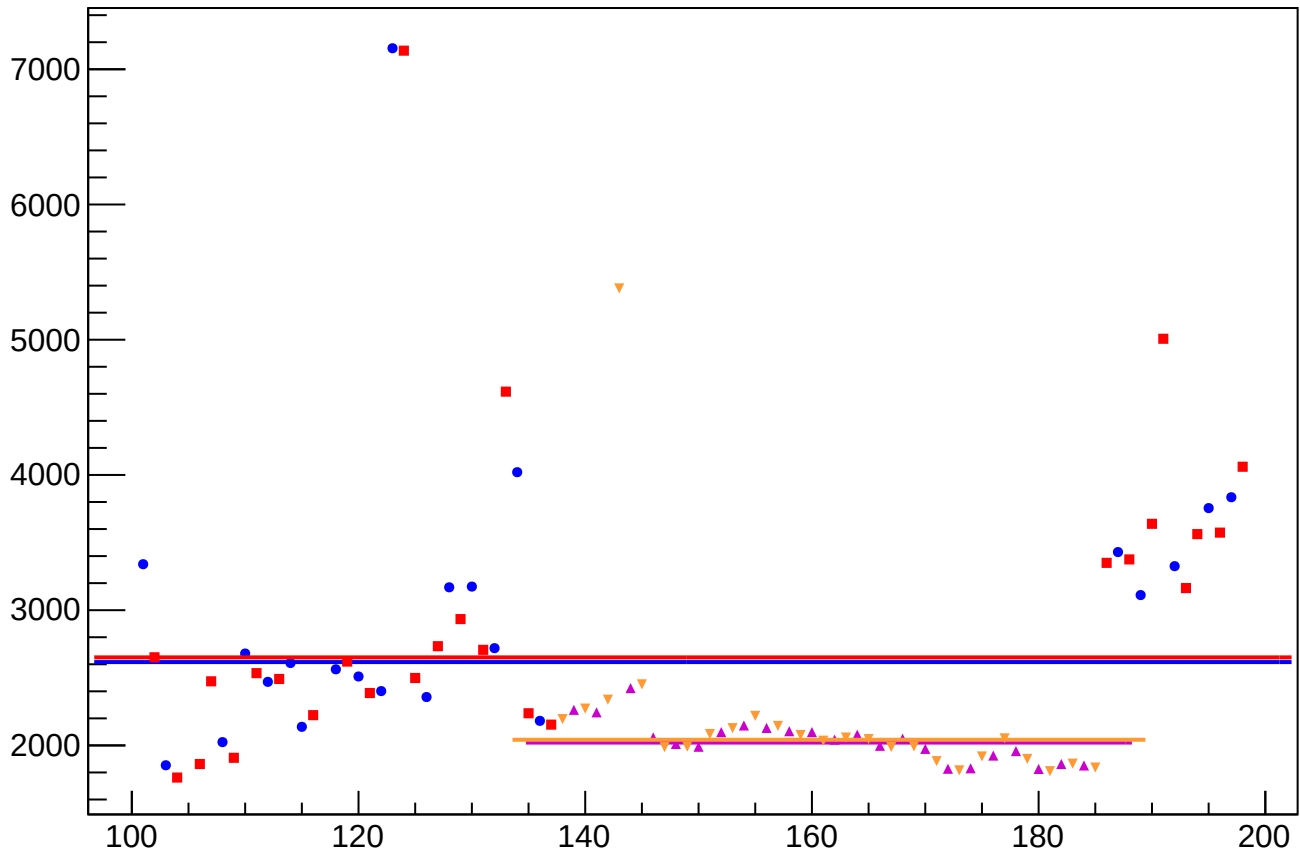
Right: 841.949 ± 592.211 χ^2/NDF : 44.2/47

In: 432.416 ± 423.392 χ^2/NDF : 45.4/44

Out: -139.613 ± 412.790 χ^2/NDF : 56.1/50

All: 139.150 ± 295.564 χ^2/NDF : 102.4/95

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2616.233+/-0.622 χ^2/NDF : 930531.0/21

Left Out: 2041.781+/-0.341 χ^2/NDF : 706854.2/24

Right Out: 2650.970+/-0.567 χ^2/NDF : 1518031.5/25

Left In: 2021.065+/-0.342 χ^2/NDF : 178726.2/22

Left: 2031.455+/-0.241 χ^2/NDF : 887424.8/47

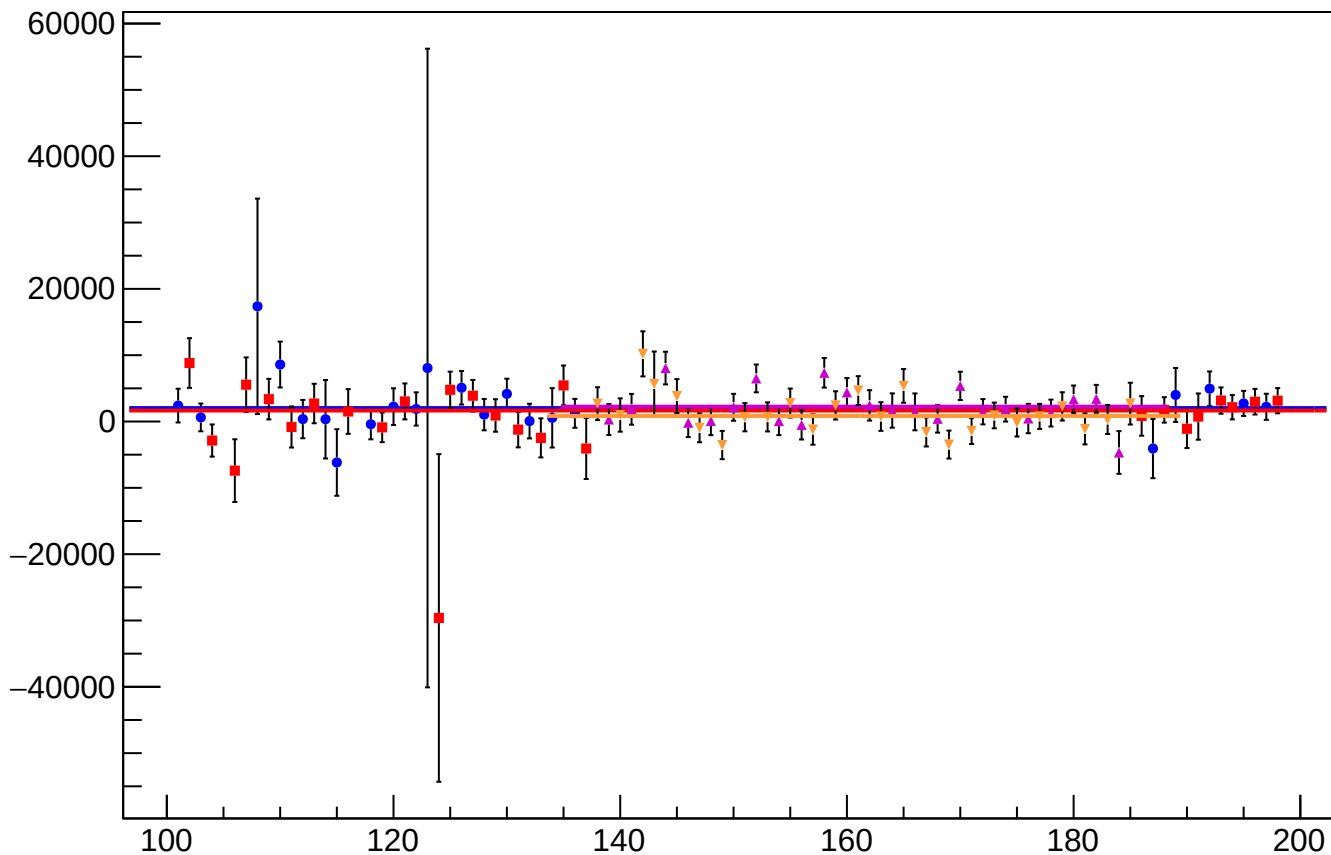
Right: 2635.210+/-0.419 χ^2/NDF : 2450268.0/47

In: 2159.078+/-0.299 χ^2/NDF : 1813186.4/44

Out: 2203.481+/-0.292 χ^2/NDF : 3074190.1/50

All: 2181.842+/-0.209 χ^2/NDF : 4898653.7/95

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2022.844 $\pm$ 590.122 χ^2/NDF : 16.1/21

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

Right Out: 1659.352 $\pm$ 522.072 χ^2/NDF : 27.3/25

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

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

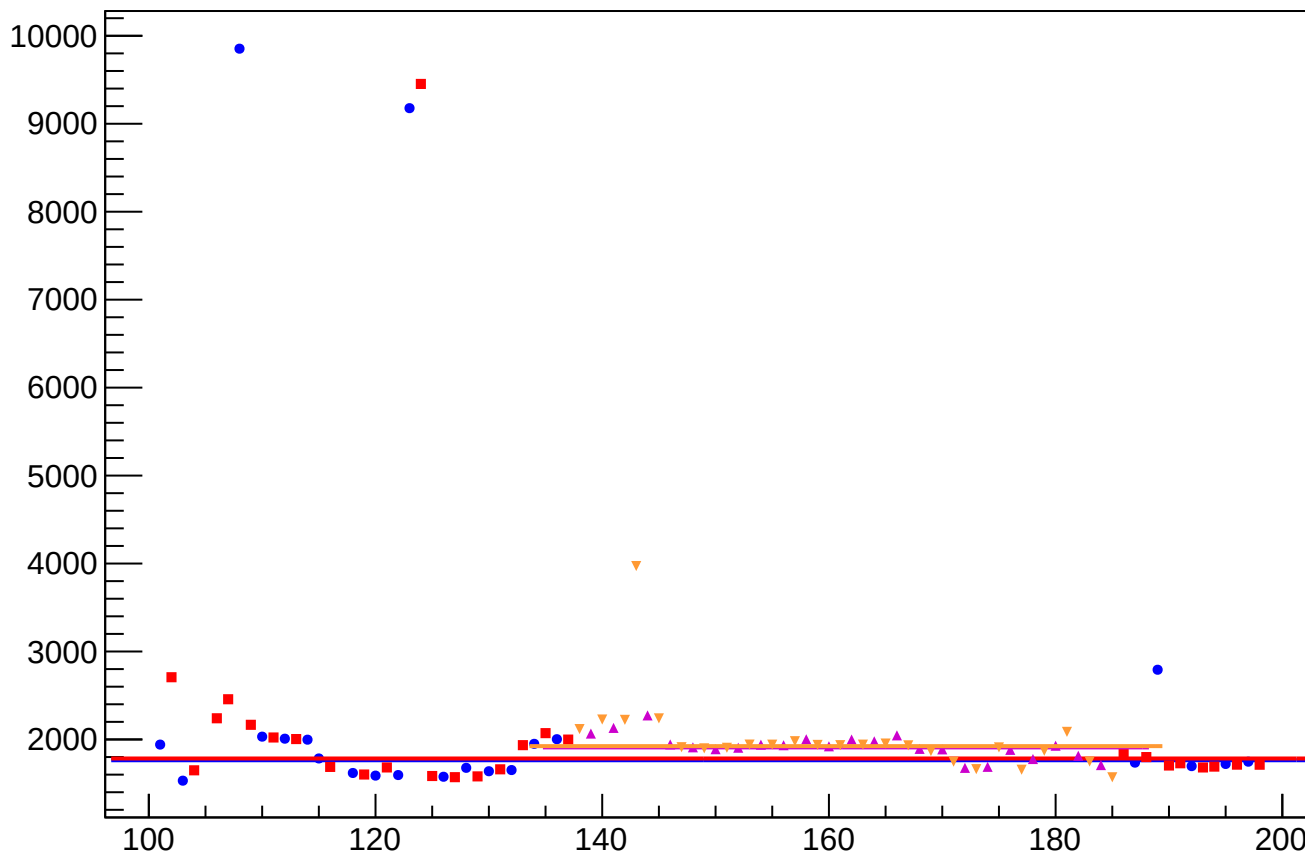
Right: 1818.941 $\pm$ 391.017 χ^2/NDF : 43.5/47

In: 2155.715 $\pm$ 361.677 χ^2/NDF : 47.1/44

Out: 1191.790 $\pm$ 342.799 χ^2/NDF : 61.0/50

All: 1647.940 $\pm$ 248.802 χ^2/NDF : 111.8/95

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1763.620 $\pm$ 0.417 χ^2/NDF : 814053.9/21

Left Out: 1924.077 $\pm$ 0.321 χ^2/NDF : 583939.2/24

Right Out: 1783.608 $\pm$ 0.369 χ^2/NDF : 558262.8/25

Left In: 1909.656 $\pm$ 0.324 χ^2/NDF : 164475.5/22

Left: 1916.918 $\pm$ 0.228 χ^2/NDF : 749414.3/47

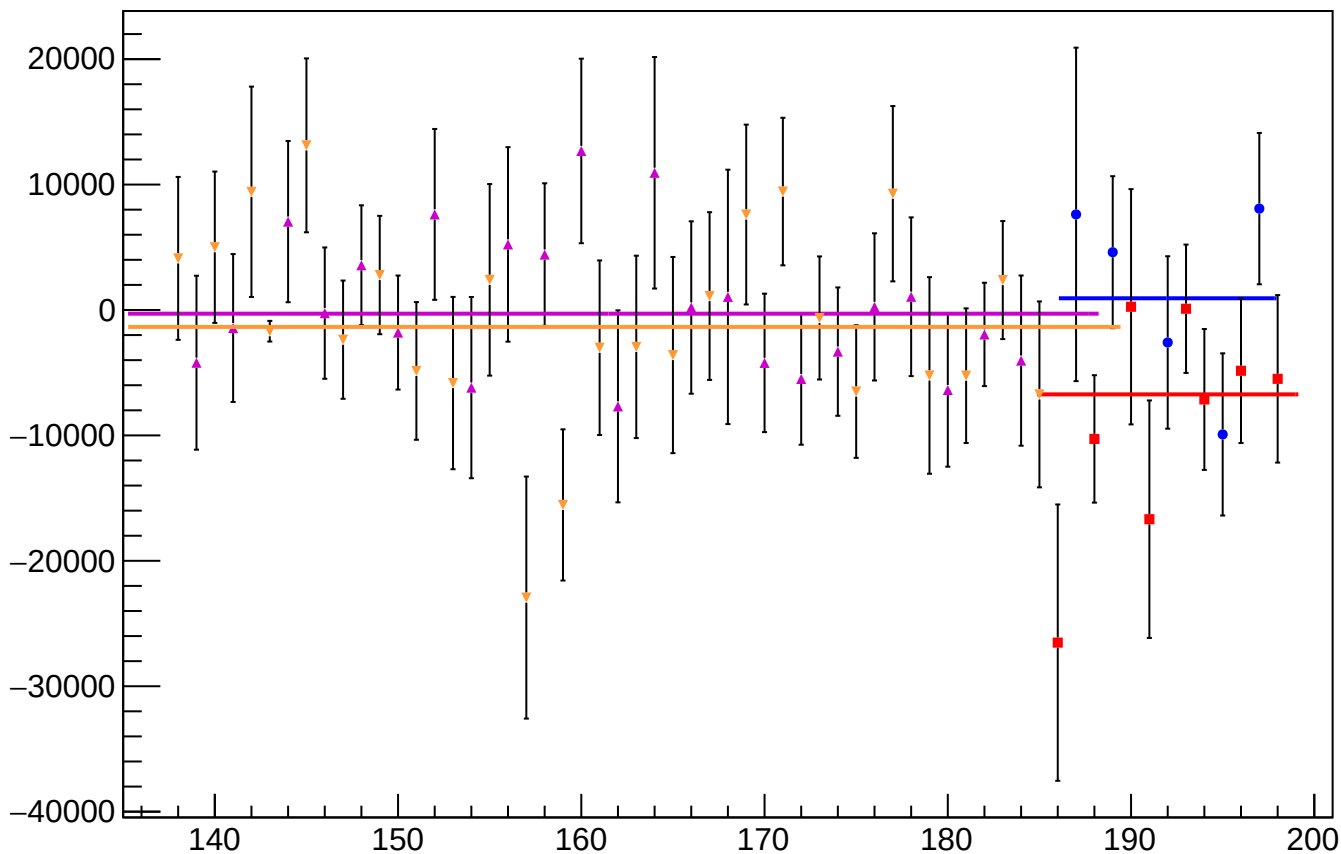
Right: 1774.839 $\pm$ 0.276 χ^2/NDF : 1373604.5/47

In: 1854.801 $\pm$ 0.256 χ^2/NDF : 1055003.3/44

Out: 1863.471 $\pm$ 0.242 χ^2/NDF : 1224626.8/50

All: 1859.369 $\pm$ 0.176 χ^2/NDF : 2280235.6/95

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 933.696 ± 3079.753 $\chi^2/\text{NDF}: 5.1/4$

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

Right Out: -6728.122 ± 2282.212 $\chi^2/\text{NDF}: 7.3/7$

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

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

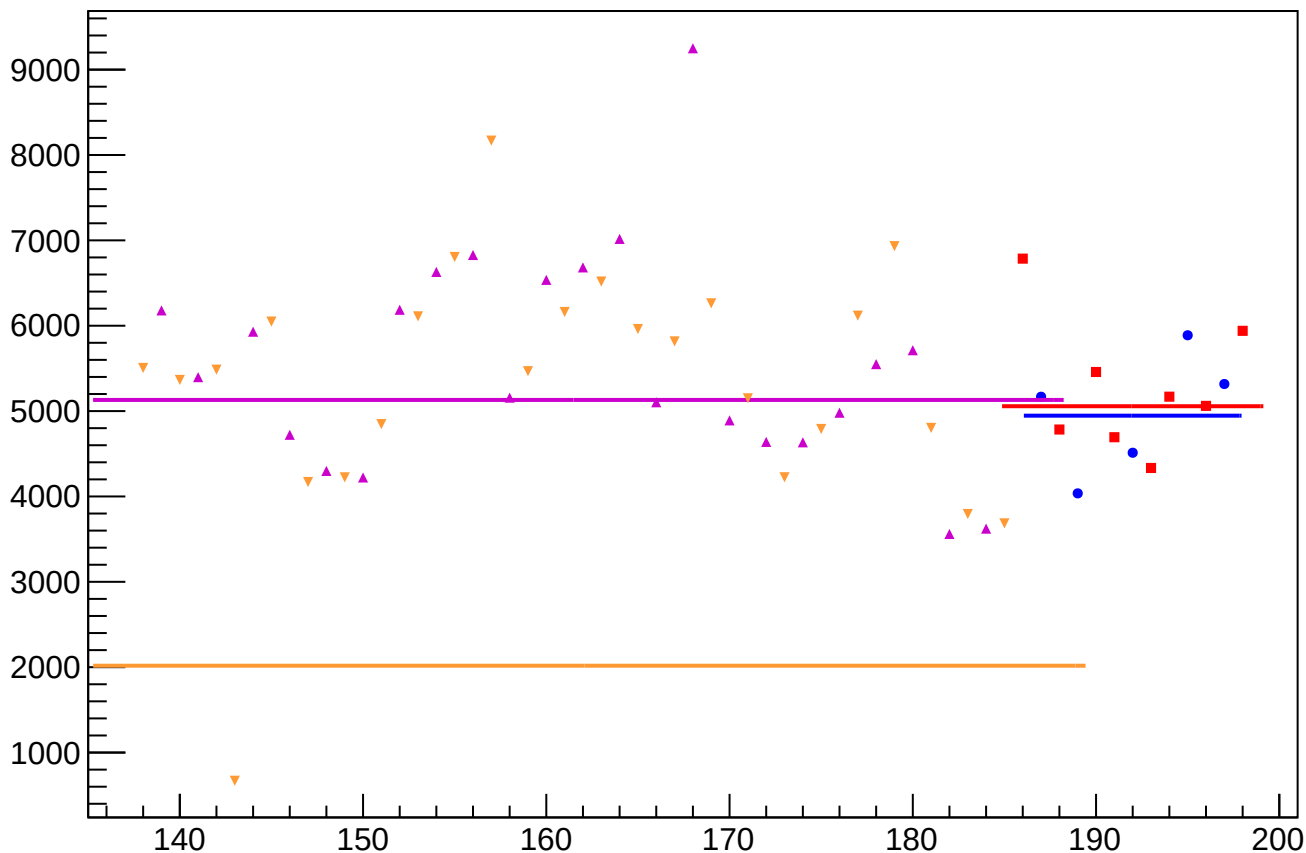
Right: -4012.168 ± 1833.628 $\chi^2/\text{NDF}: 16.4/12$

In: -119.857 ± 1160.042 $\chi^2/\text{NDF}: 19.8/27$

Out: -1800.839 ± 661.051 $\chi^2/\text{NDF}: 43.3/32$

All: -1388.781 ± 574.343 $\chi^2/\text{NDF}: 64.6/60$

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 4946.338 $\pm$ 2.178 χ^2 /NDF: 103637.0/4

Left Out: 2017.245 $\pm$ 0.488 χ^2 /NDF:19159743.3/24

Right Out: 5057.050 $\pm$ 1.614 χ^2 /NDF: 137414.0/7

Left In: 5130.756 $\pm$ 0.885 χ^2 /NDF:1489813.1/22

Left: 2743.420 $\pm$ 0.428 χ^2 /NDF: 30129278.1/47

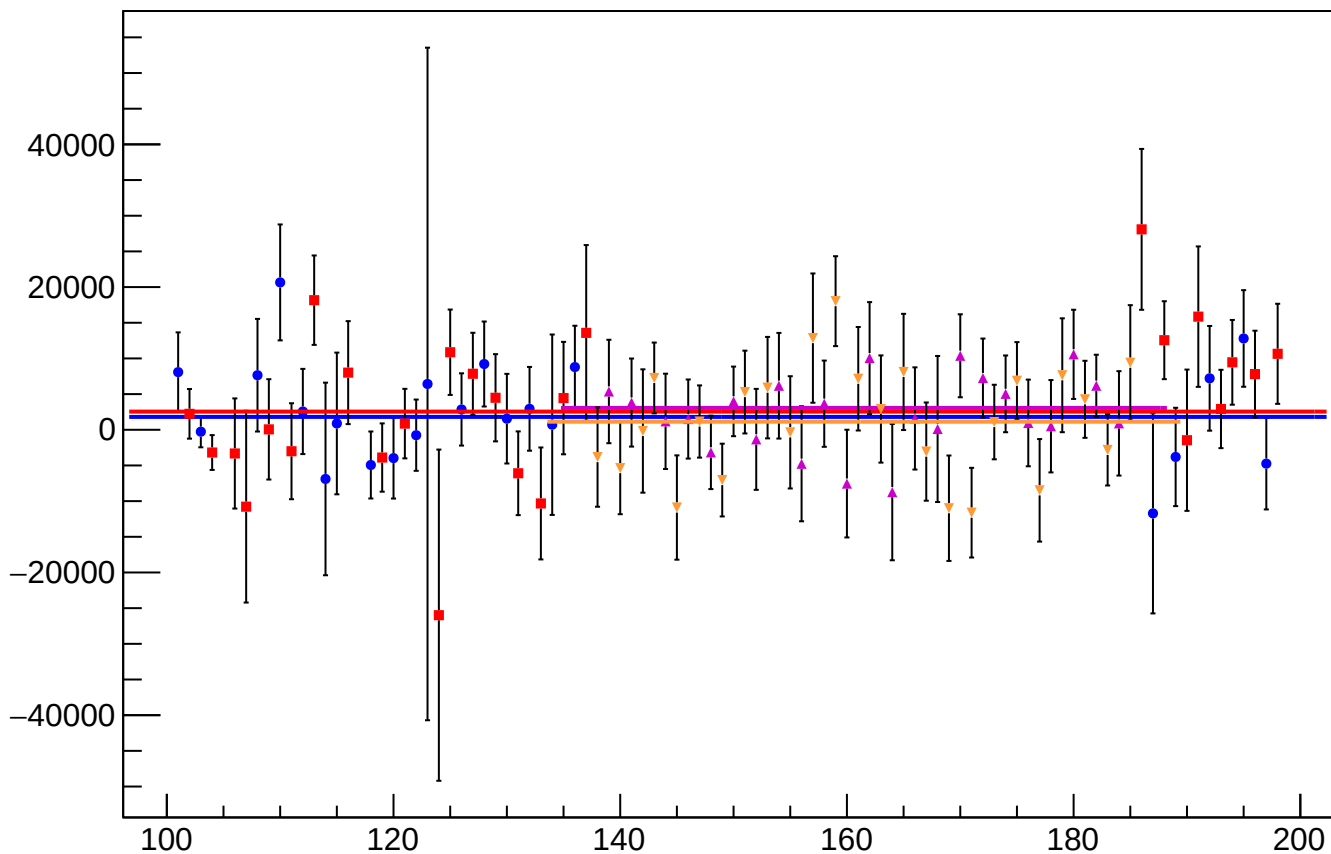
Right: 5017.805 $\pm$ 1.297 χ^2 /NDF: 242719.4/12

In: 5104.591 $\pm$ 0.820 χ^2 /NDF:1599604.1/27

Out: 2272.282 $\pm$ 0.467 χ^2 /NDF:22547676.6/32

All: 2966.563 $\pm$ 0.406 χ^2 /NDF: 33147159.0/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1804.625+/-1211.483 χ^2/NDF : 20.8/21

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

Right Out: 2547.738+/-1138.615 χ^2/NDF : 40.7/25

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

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

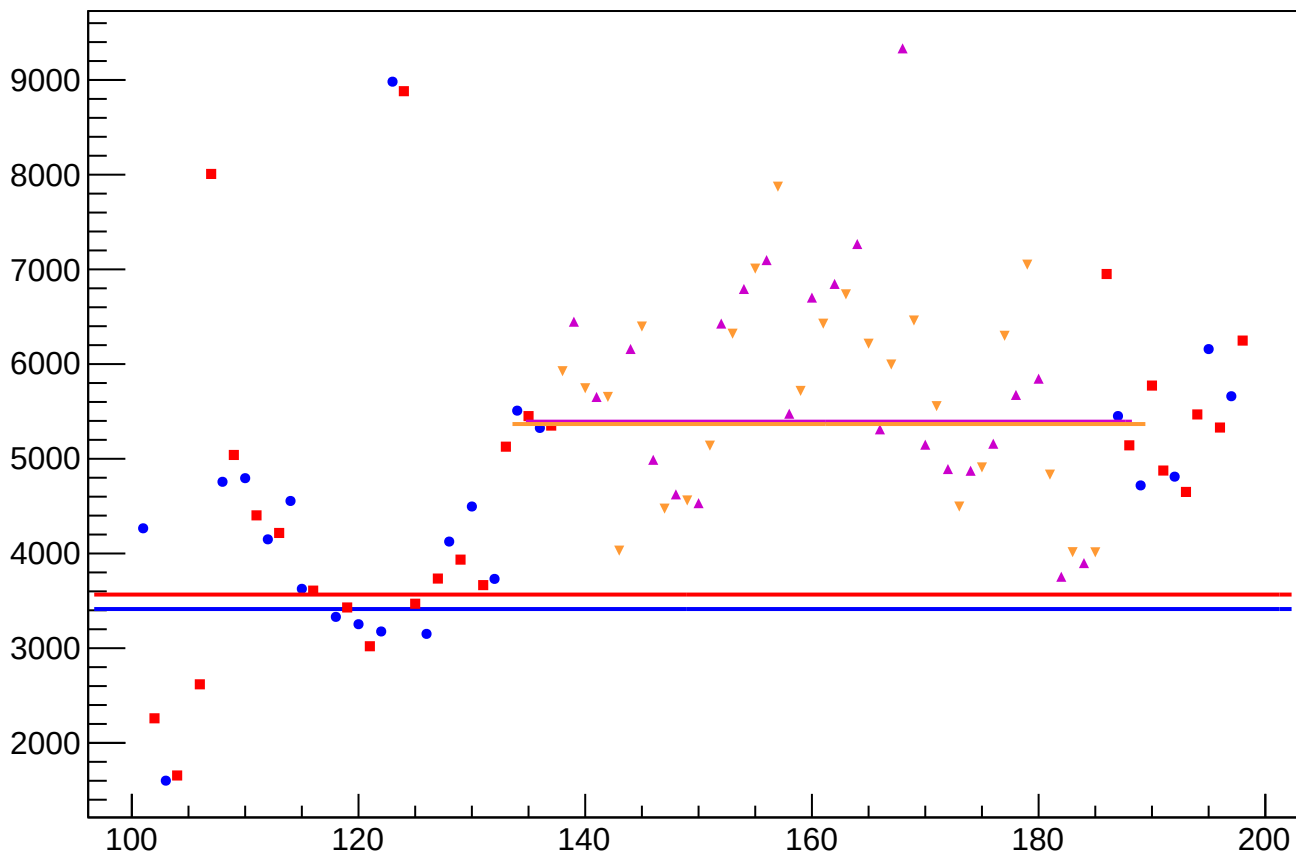
Right: 2199.201+/-829.688 χ^2/NDF : 61.7/47

In: 2382.480+/-890.438 χ^2/NDF :33.6/44

Out: 1922.683+/-850.797 χ^2/NDF :73.8/50

All: 2142.119+/-615.141 χ^2/NDF : 107.6/95

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3413.444 ± 0.857 $\chi^2/\text{NDF}: 2747244.6/21$

Left Out: 5366.944 ± 0.905 $\chi^2/\text{NDF}: 1213541.3/24$

Right Out: 3566.206 ± 0.796 $\chi^2/\text{NDF}: 3531744.9/25$

Left In: 5391.987 ± 0.929 $\chi^2/\text{NDF}: 1320415.5/22$

Left: 5379.147 ± 0.648 $\chi^2/\text{NDF}: 2534329.7/47$

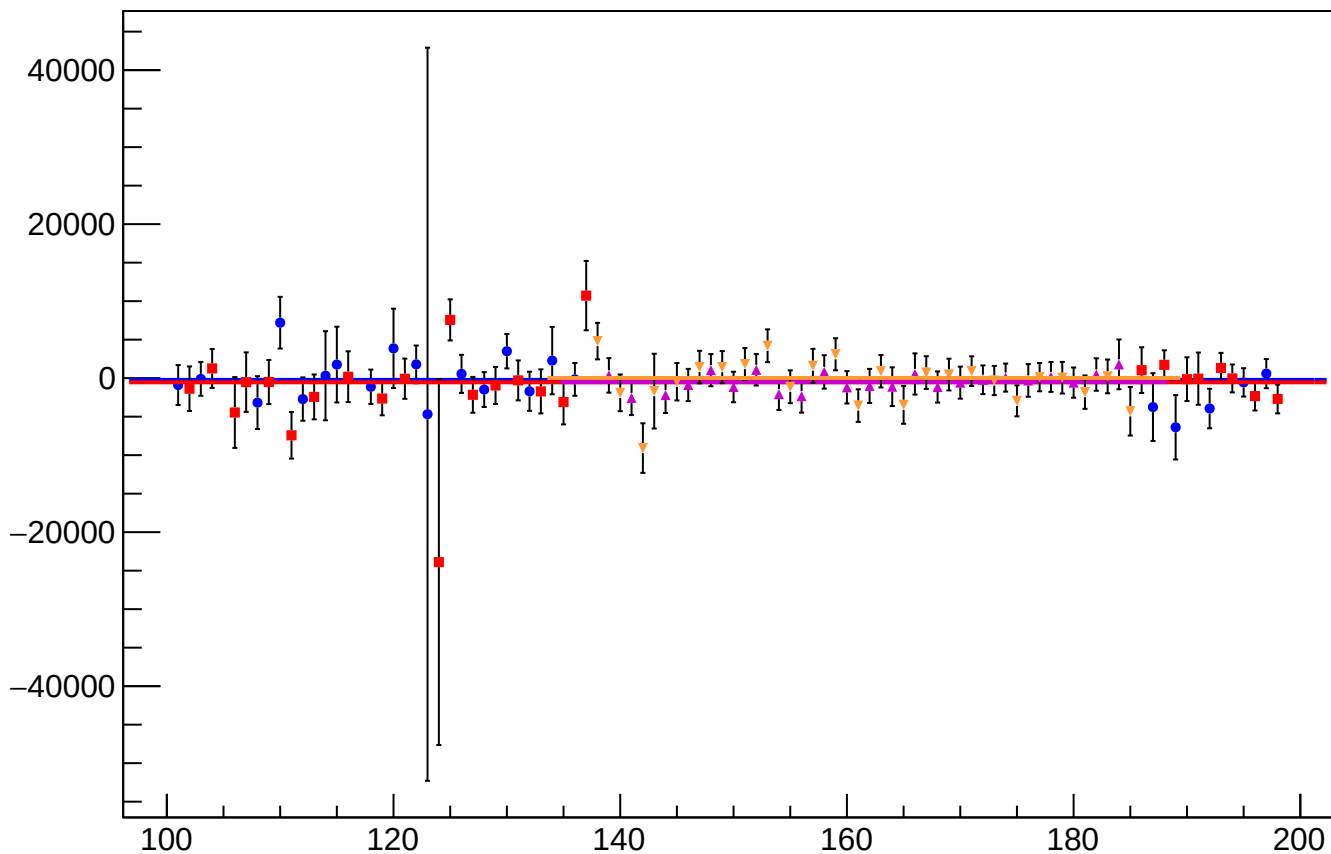
Right: 3495.428 ± 0.583 $\chi^2/\text{NDF}: 6296056.2/47$

In: 4323.129 ± 0.630 $\chi^2/\text{NDF}: 6520310.4/44$

Out: 4351.354 ± 0.598 $\chi^2/\text{NDF}: 6976984.7/50$

All: 4337.975 ± 0.434 $\chi^2/\text{NDF}: 13498352.0/95$

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -224.665+/-581.845 χ^2/NDF : 17.1/21

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

Right Out: -539.057+/-508.433 χ^2/NDF : 30.8/25

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

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

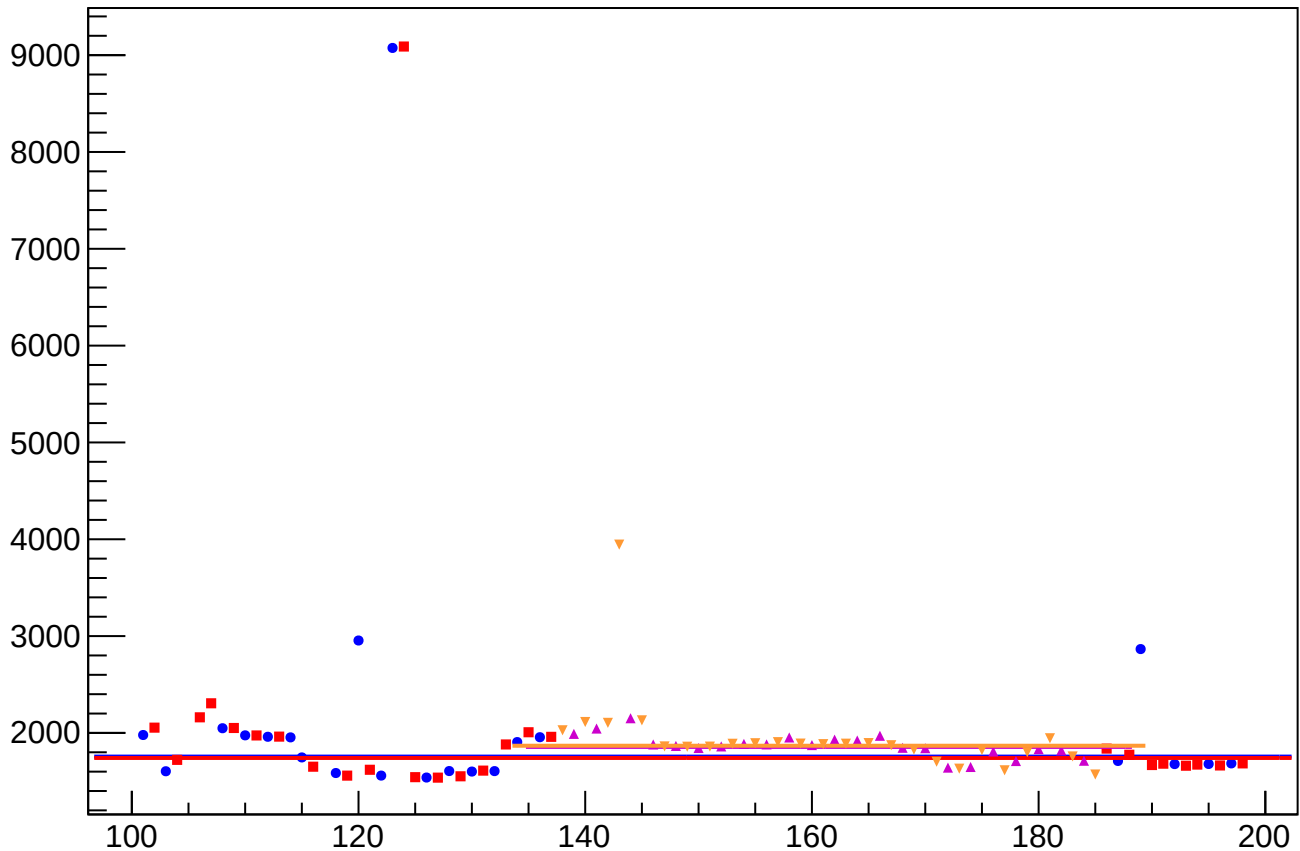
Right: -402.935+/-382.857 χ^2/NDF : 48.1/47

In: -407.837+/-353.172 χ^2/NDF : 23.2/44

Out: -217.922+/-333.024 χ^2/NDF : 63.2/50

All: -307.308+/-242.293 χ^2/NDF : 86.6/95

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1755.413+/-0.411 χ^2/NDF : 450414.3/21

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

Right Out: 1741.323+/-0.359 χ^2/NDF : 429232.9/25

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

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

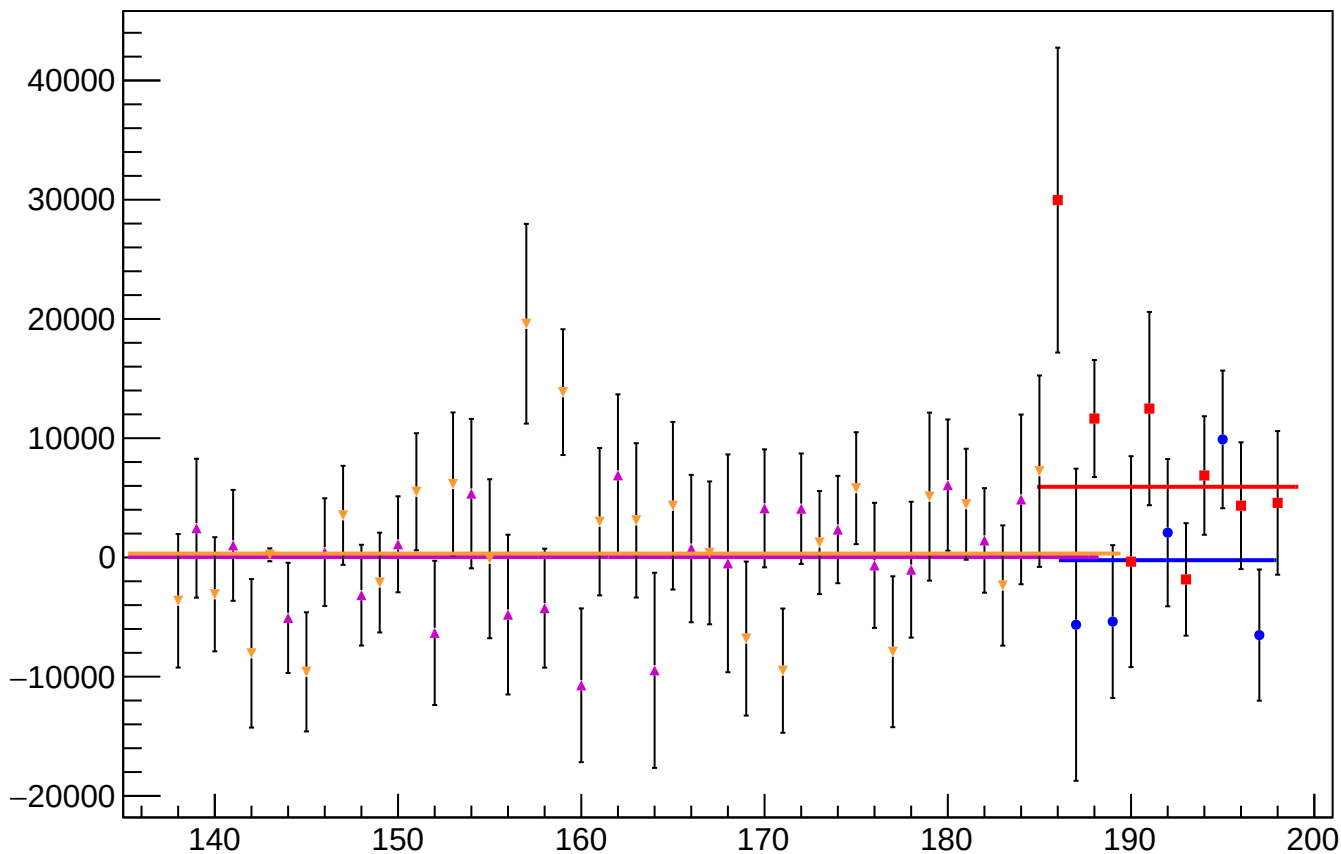
Right: 1747.417+/-0.271 χ^2/NDF : 880312.6/47

In: 1818.612+/-0.250 χ^2/NDF : 623994.6/44

Out: 1813.335+/-0.235 χ^2/NDF : 1045019.9/50

All: 1815.817+/-0.171 χ^2/NDF : 1669250.9/95

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: -230.653+/-2893.187 χ^2/NDF : 5.3/4

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

Right Out: 5925.643+/-2113.005 χ^2/NDF : 8.9/7

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

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

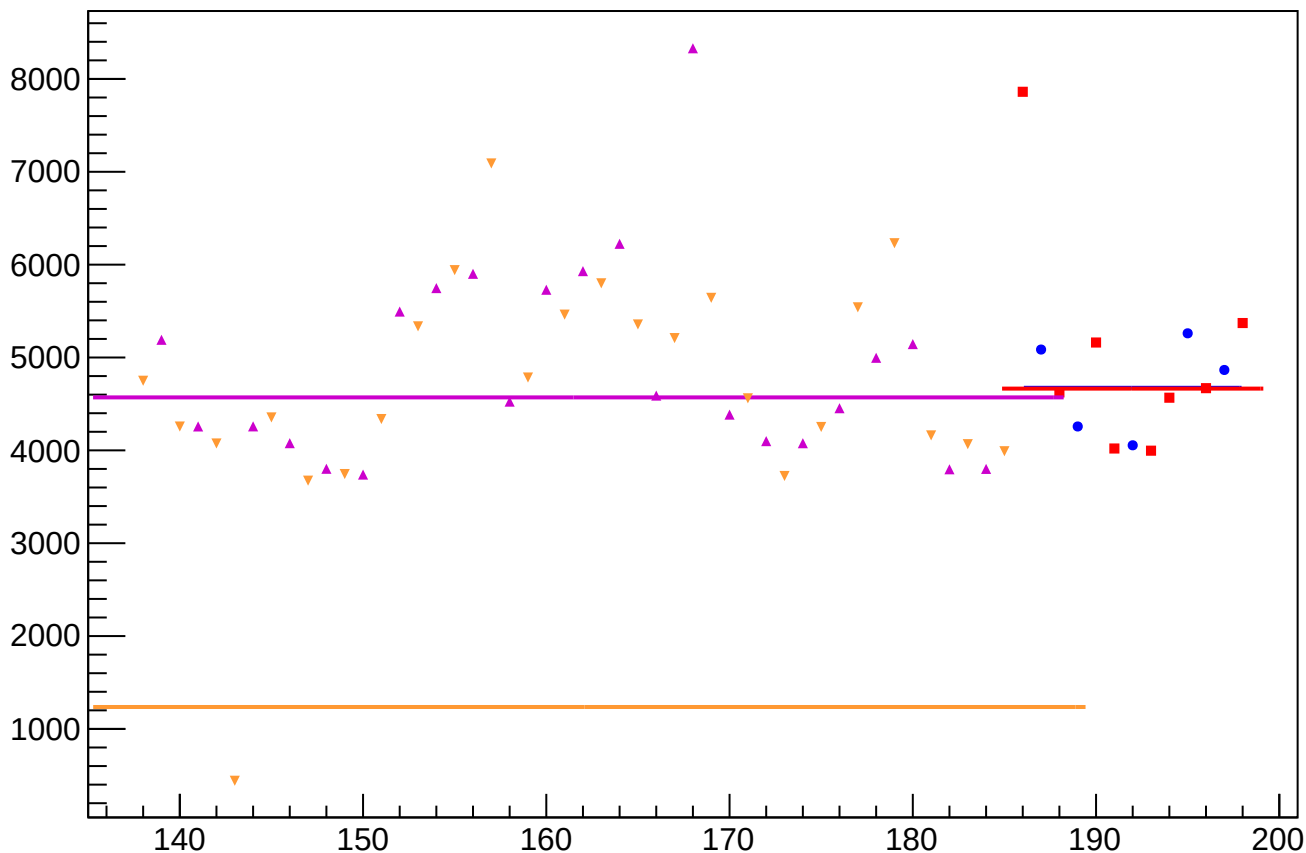
Right: 3784.164+/-1706.372 χ^2/NDF : 17.2/12

In: 5.410+/-1036.139 χ^2/NDF : 19.2/27

Out: 608.993+/-475.705 χ^2/NDF : 48.1/32

All: 503.916+/-432.319 χ^2/NDF : 67.6/60

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 4673.646 $\pm$ 2.046 χ^2/NDF : 53641.1/4

Left Out: 1236.170 $\pm$ 0.345 χ^2/NDF : 23395886.7/24

Right Out: 4665.032 $\pm$ 1.494 χ^2/NDF : 212565.1/7

Left In: 4570.398 $\pm$ 0.785 χ^2/NDF : 1145211.6/22

Left: 1776.884 $\pm$ 0.316 χ^2/NDF : 39667244.3/47

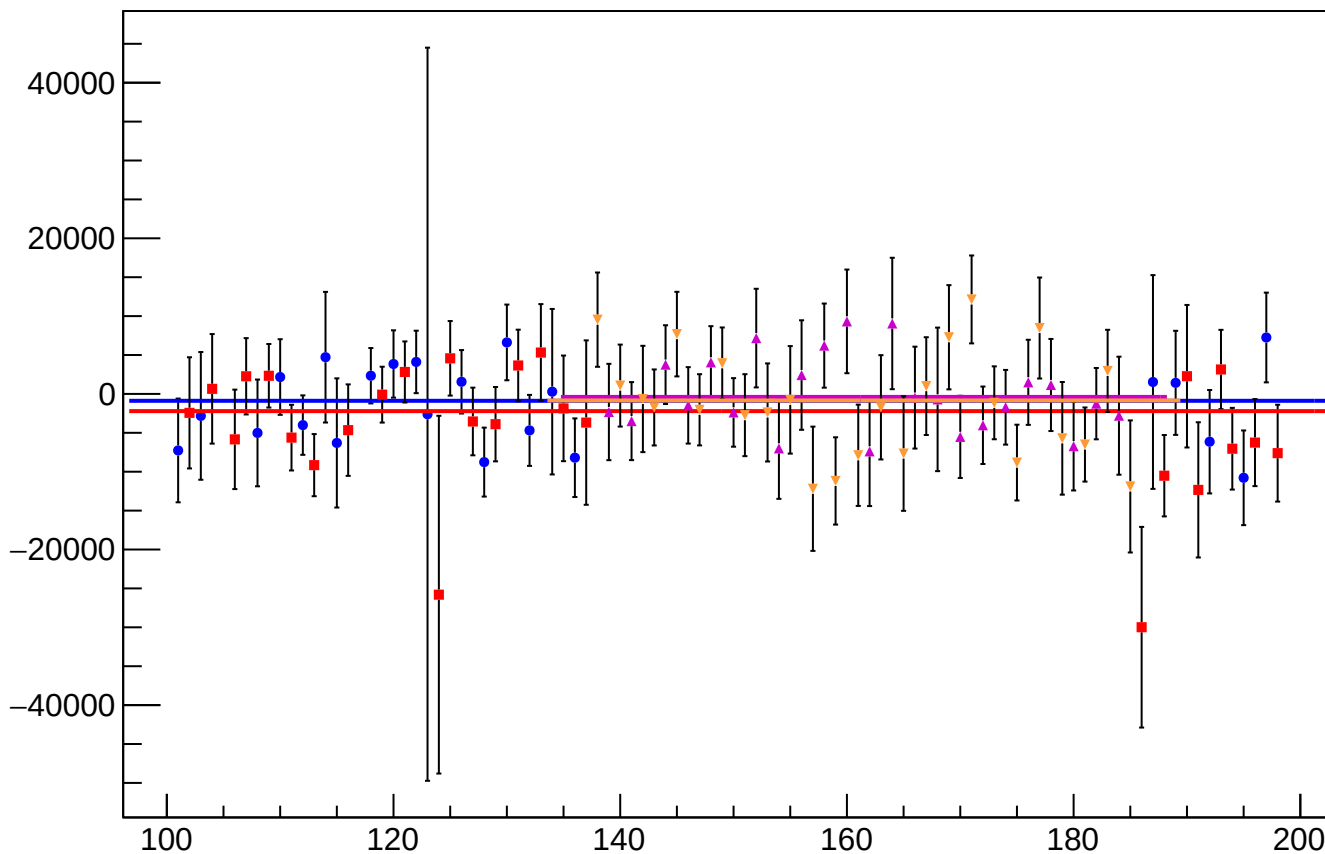
Right: 4668.028 $\pm$ 1.207 χ^2/NDF : 266217.8/12

In: 4583.640 $\pm$ 0.733 χ^2/NDF : 1201073.1/27

Out: 1409.960 $\pm$ 0.336 χ^2/NDF : 28608101.3/32

All: 1962.464 $\pm$ 0.306 χ^2/NDF : 45306381.7/6

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -885.512 $\pm$ 1154.910 χ^2 /NDF: 20.9/21

Left Out: -845.427 $\pm$ 1152.677 χ^2 /NDF:30.0/24

Right Out: -2211.122 $\pm$ 1052.843 χ^2 /NDF: 26.8/25

Left In: -385.098 $\pm$ 1181.458 χ^2 /NDF:13.9/22

Left: -620.938 $\pm$ 825.053 χ^2 /NDF: 44.0/47

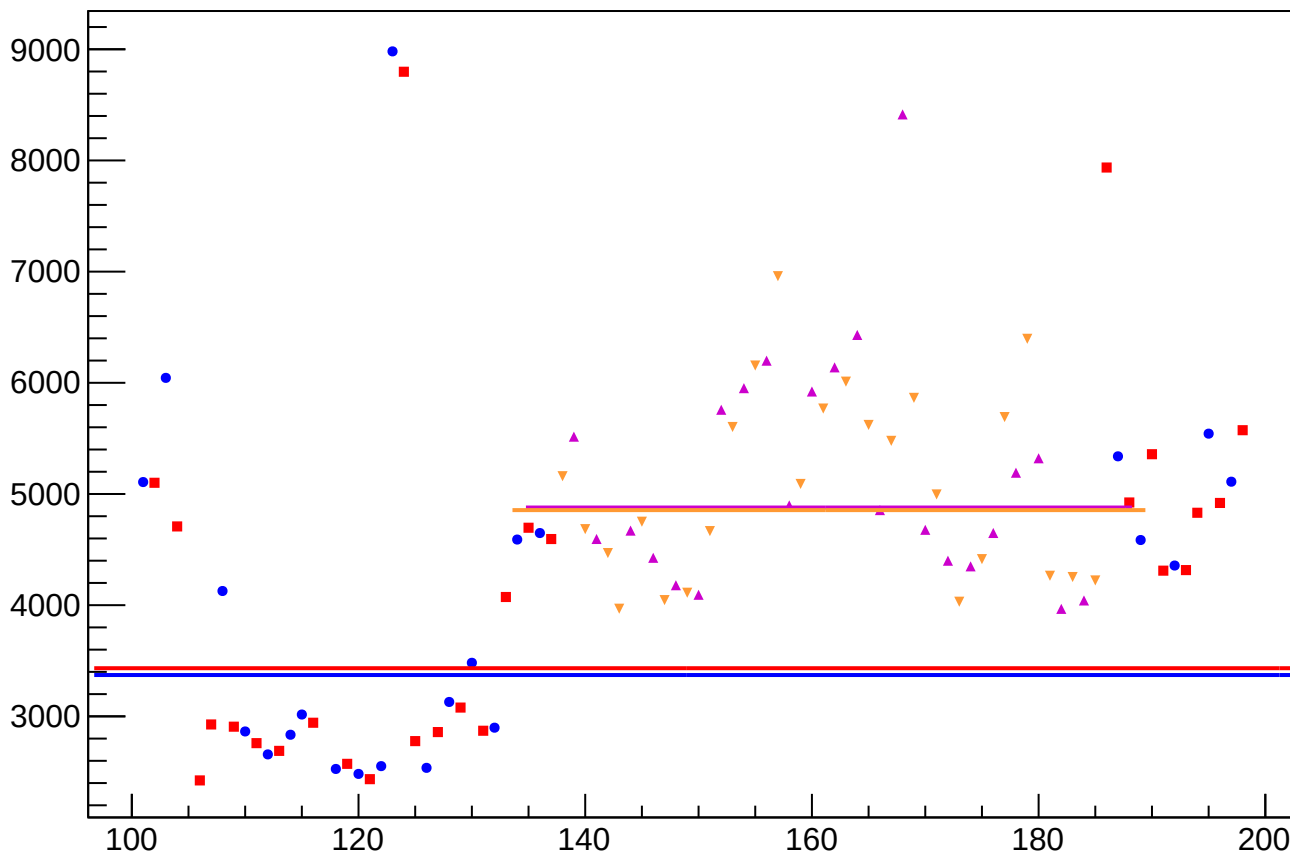
Right: -1609.471 $\pm$ 778.059 χ^2 /NDF: 48.4/47

In: -640.991 $\pm$ 825.871 χ^2 /NDF:35.0/44

Out: -1589.967 $\pm$ 777.375 χ^2 /NDF:57.6/50

All: -1144.157 $\pm$ 566.056 χ^2 /NDF: 93.2/95

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3371.716+/-0.817

χ^2/NDF : 1637899.3/21

Left Out: 4854.932+/-0.815

χ^2/NDF : 895557.4/24

Right Out: 3432.984+/-0.737

χ^2/NDF : 2124933.6/25

Left In: 4878.261+/-0.835

χ^2/NDF : 965222.2/22

Left: 4866.309+/-0.583

χ^2/NDF : 1861179.2/47

Right: 3405.474+/-0.547

χ^2/NDF : 3765934.2/47

In: 4107.869+/-0.584

χ^2/NDF : 4266102.4/44

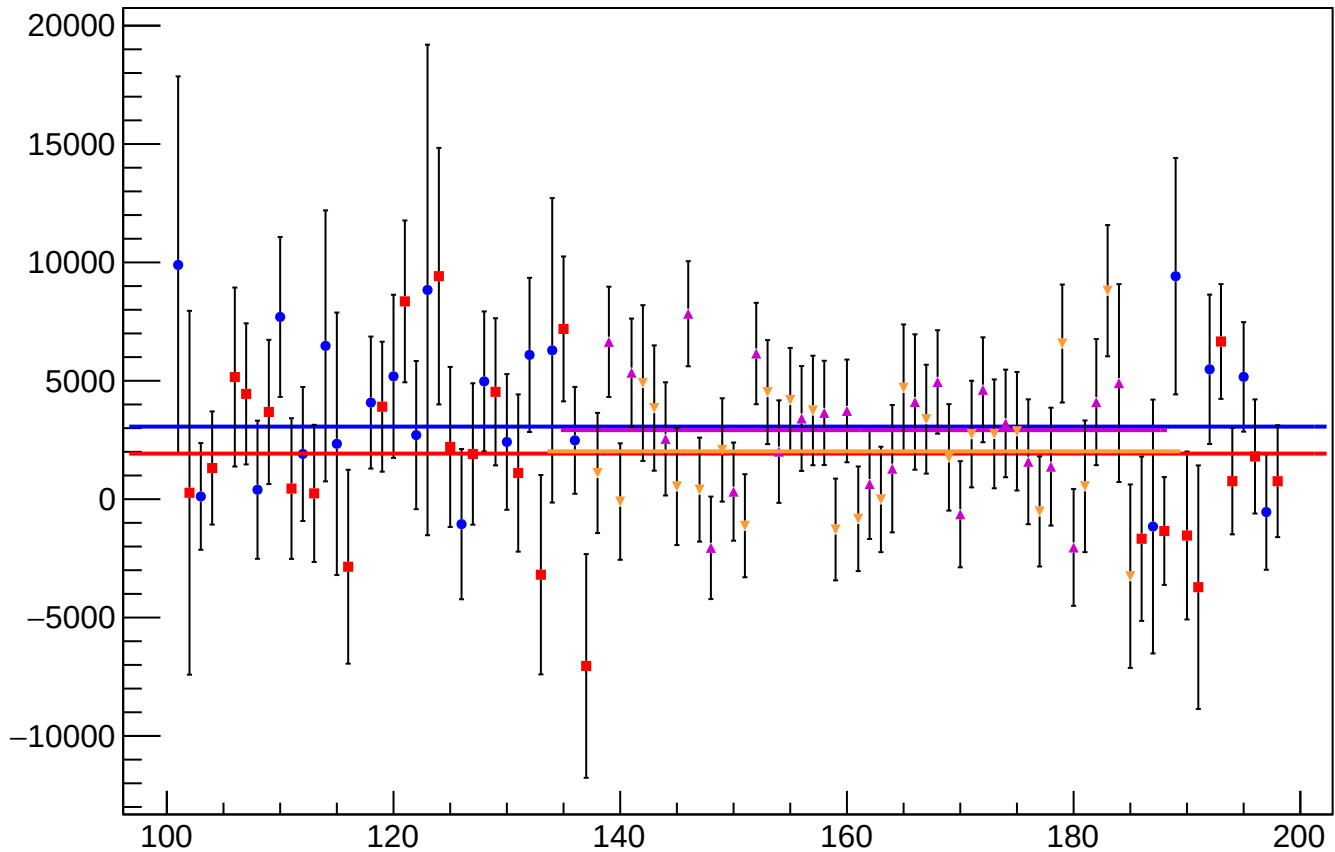
Out: 4072.808+/-0.547

χ^2/NDF : 4694563.4/50

All: 4089.185+/-0.399

χ^2/NDF : 8962586.7/95

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3065.094 $\pm$ 688.207 χ^2/NDF : 15.7/21

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

Right Out: 1925.424 $\pm$ 603.965 χ^2/NDF : 28.2/25

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

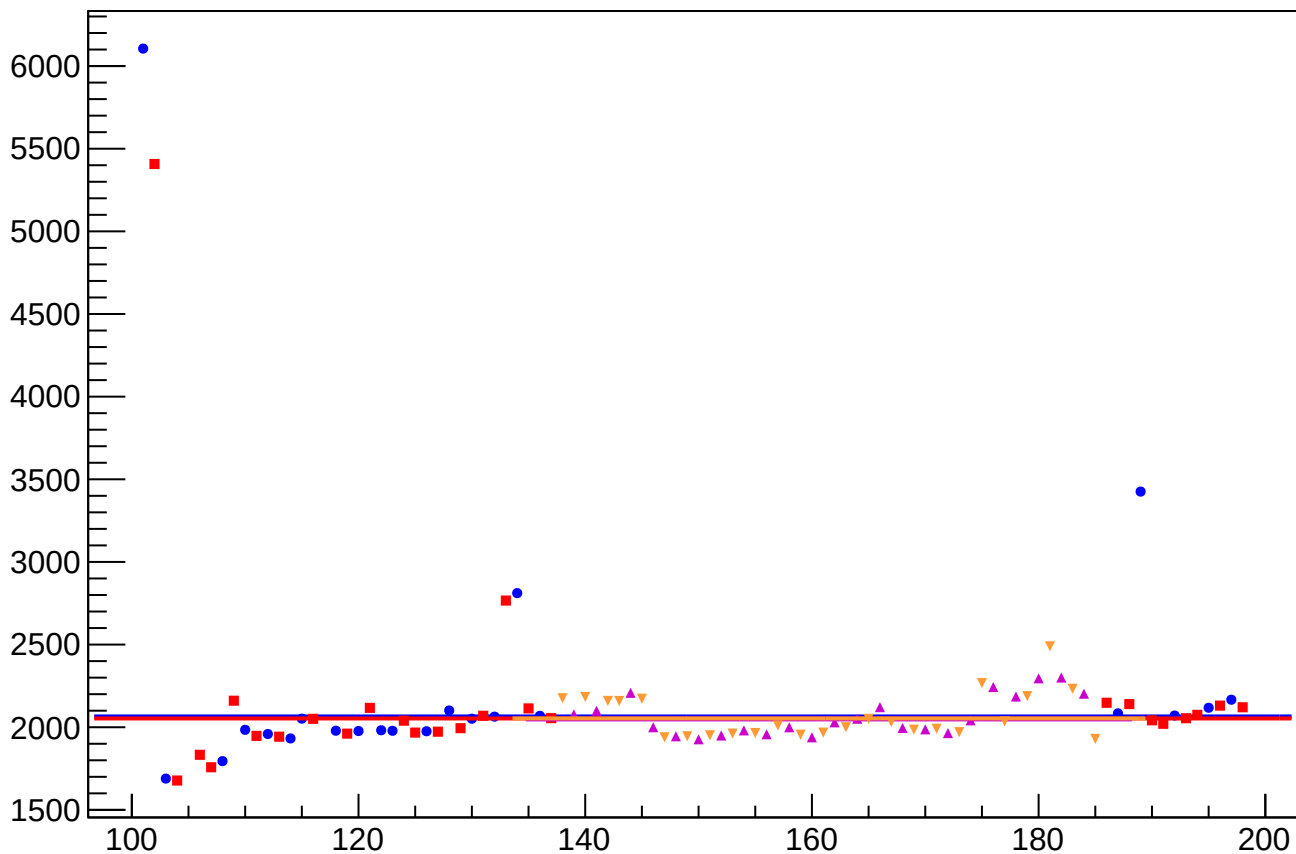
Right: 2421.273 $\pm$ 453.946 χ^2/NDF : 45.5/47

In: 2966.133 $\pm$ 398.861 χ^2/NDF : 44.6/44

Out: 1982.851 $\pm$ 376.419 χ^2/NDF : 55.4/50

All: 2446.053 $\pm$ 273.759 χ^2/NDF : 103.2/95

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2065.236 $\pm$ 0.487 χ^2 /NDF: 779388.8/21

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

Right Out: 2053.025 $\pm$ 0.427 χ^2 /NDF: 538122.5/25

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

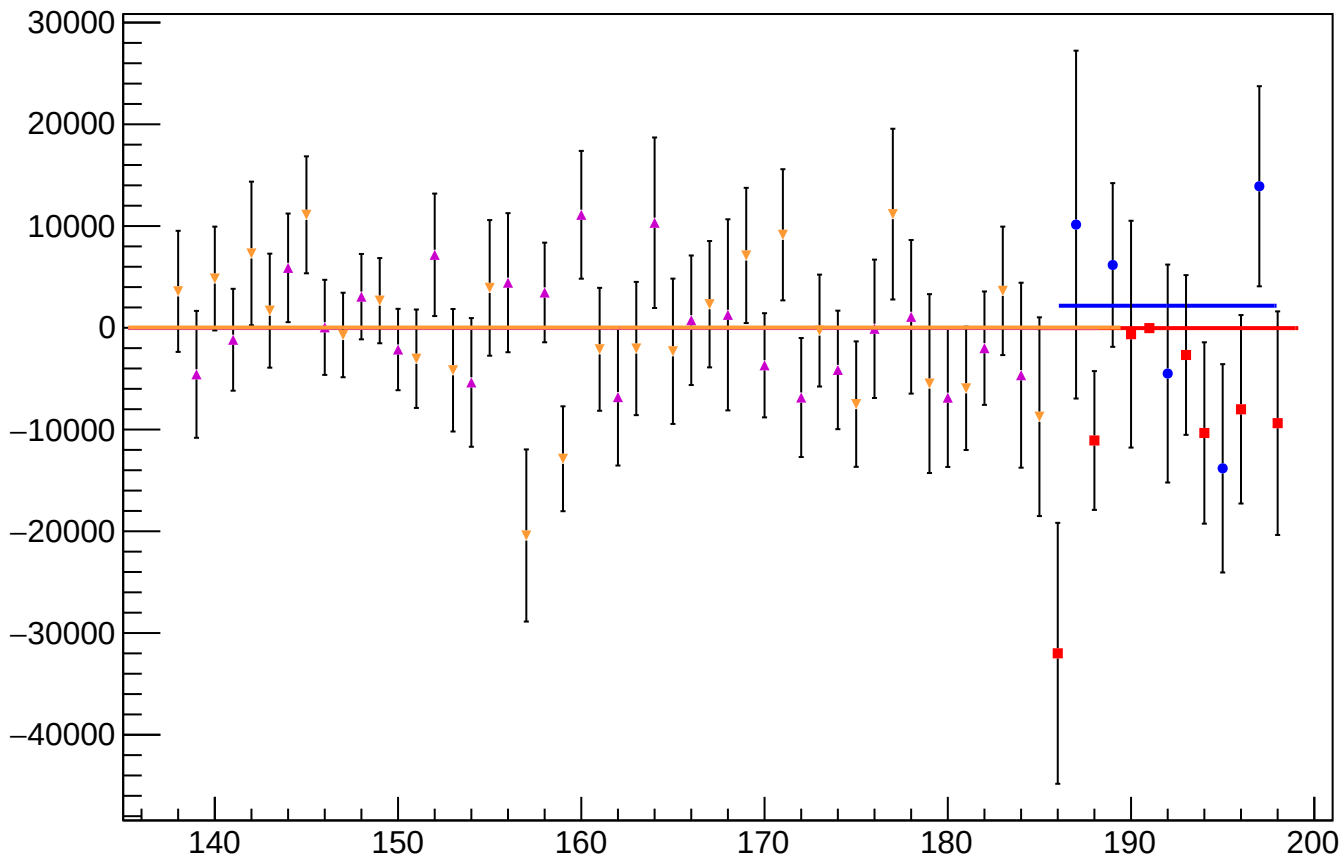
Right: 2058.336 $\pm$ 0.321 χ^2 /NDF: 1317867.0/47

In: 2053.310 $\pm$ 0.282 χ^2 /NDF:883294.4/44

Out: 2053.190 $\pm$ 0.266 χ^2 /NDF:675010.8/50

All: 2053.247 $\pm$ 0.194 χ^2 /NDF: 1558305.3/95

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: 2168.191 $\pm$ 4589.655 χ^2 /NDF: 4.7/4

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

Right Out: -31.771 $\pm$ 15.145 χ^2 /NDF: 11.8/7

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

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

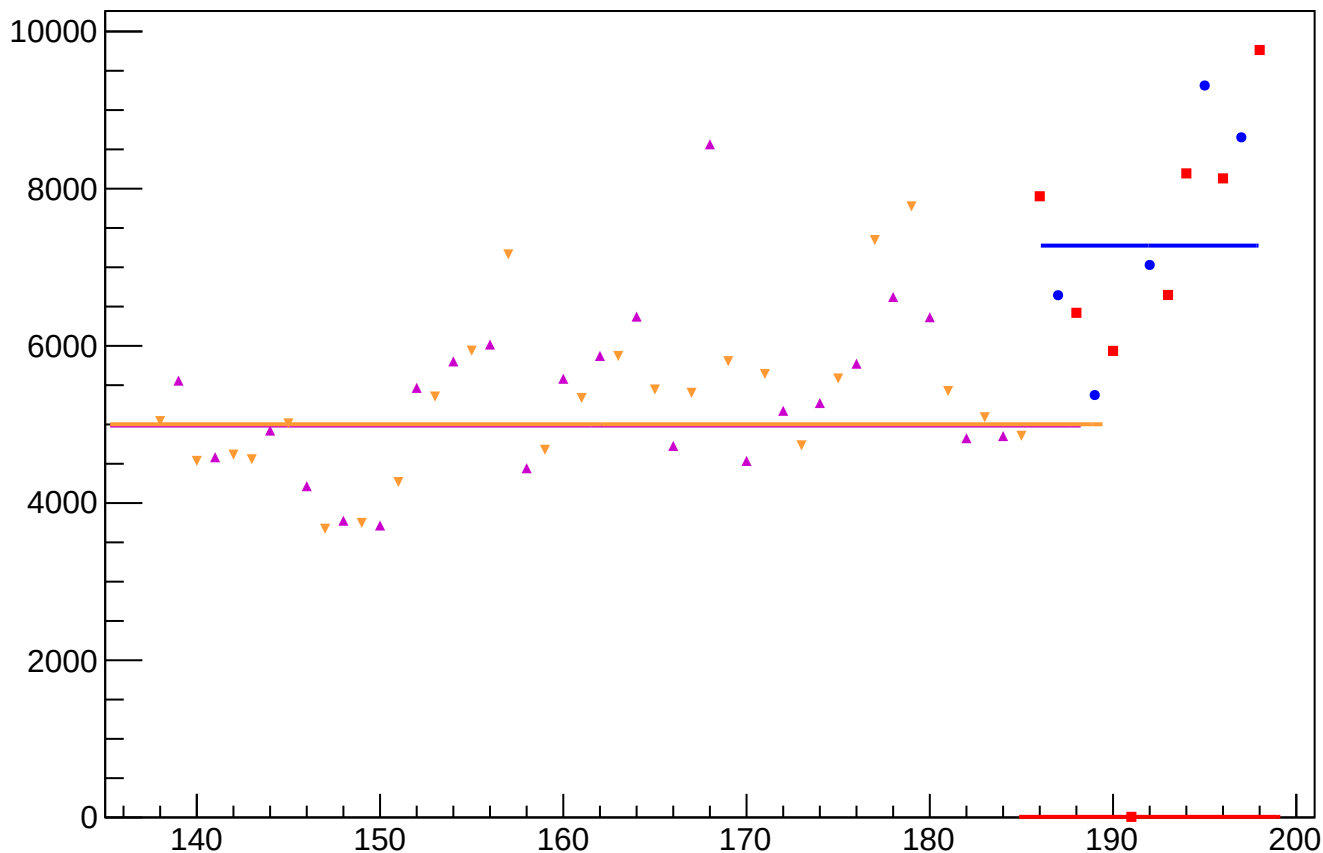
Right: -31.748 $\pm$ 15.145 χ^2 /NDF: 16.7/12

In: 119.048 $\pm$ 1171.516 χ^2 /NDF:20.1/27

Out: -31.762 $\pm$ 15.144 χ^2 /NDF:41.0/32

All: -31.737 $\pm$ 15.142 χ^2 /NDF: 61.1/60

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 7275.725+/-3.245 χ^2/NDF : 233907.8/4

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

Right Out: 7.649+/-0.011 χ^2/NDF : 9326627.4/7

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

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

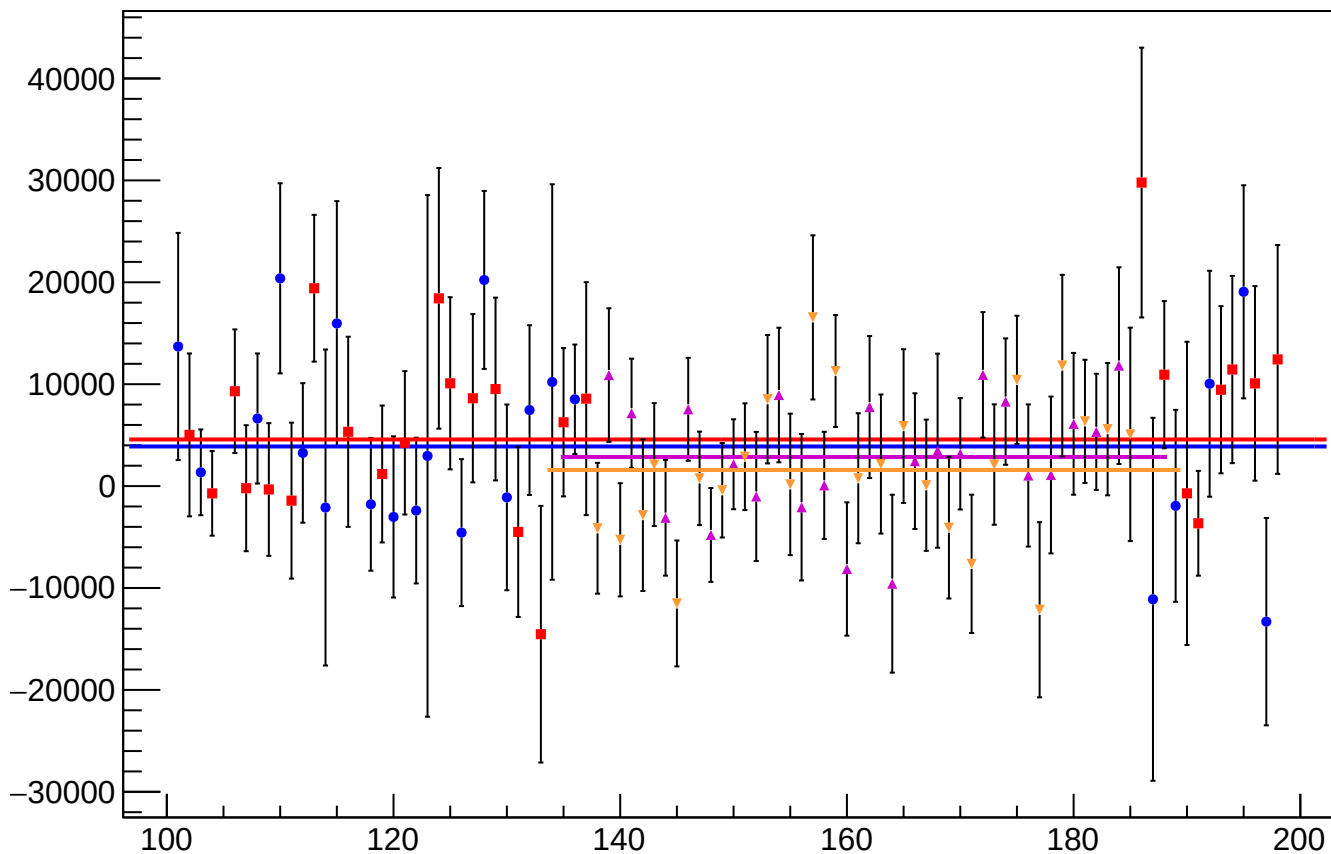
Right: 7.728+/-0.011 χ^2/NDF : 14575919.1/12

In: 5135.341+/-0.828 χ^2/NDF : 1896788.9/27

Out: 8.452+/-0.011 χ^2/NDF : 45430679.7/32

All: 9.308+/-0.011 χ^2/NDF : 85624858.9/60

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3888.000+/-1737.875 χ^2/NDF : 20.5/21

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

Right Out: 4576.022+/-1493.945 χ^2/NDF : 23.1/25

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

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

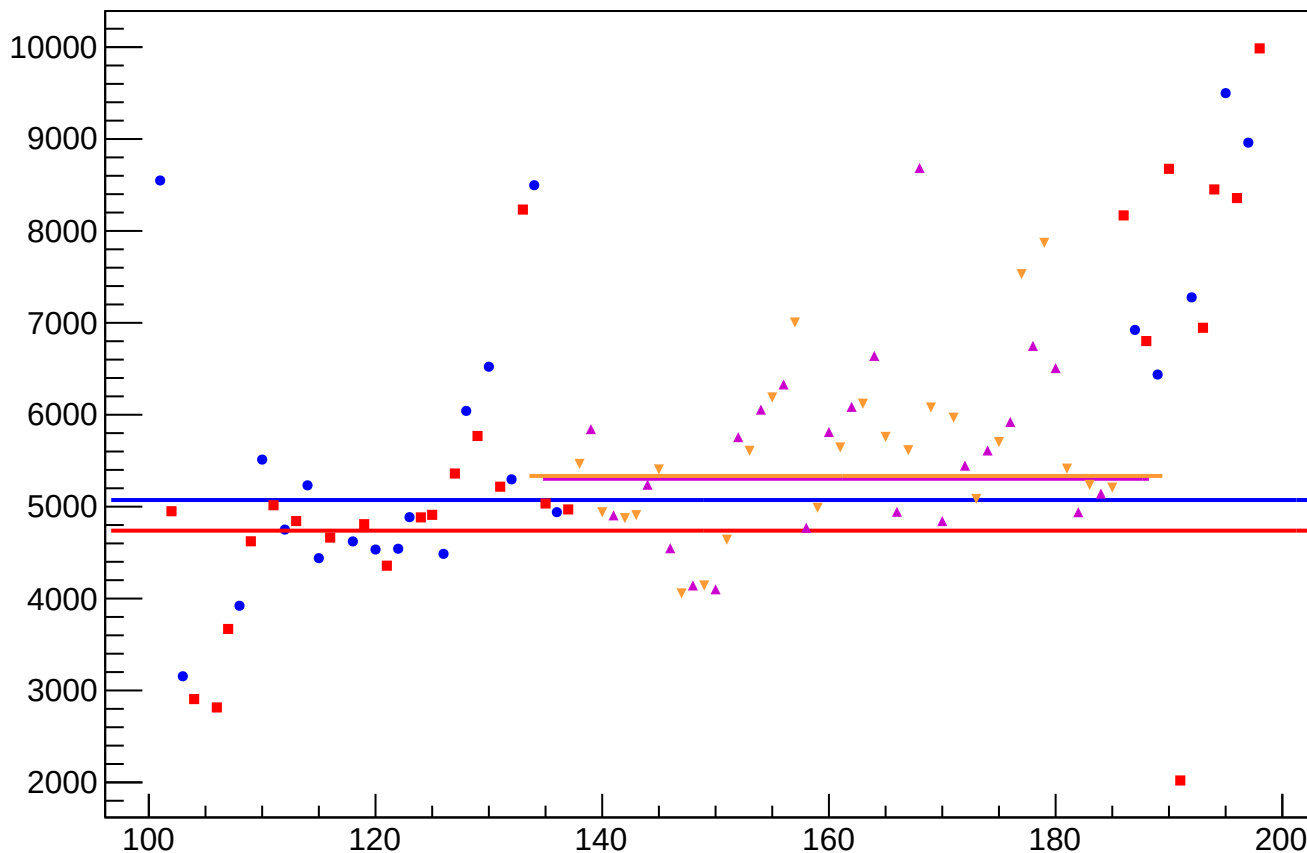
Right: 4283.647+/-1132.889 χ^2/NDF : 43.7/47

In: 3220.775+/-1032.777 χ^2/NDF : 38.8/44

Out: 2832.656+/-965.887 χ^2/NDF : 50.7/50

All: 3013.741+/-705.448 χ^2/NDF : 89.5/95

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5072.071+/-1.229

χ^2/NDF : 1666192.4/21

Left: 5318.989+/-0.638

χ^2/NDF : 1826357.5/47

Left Out: 5334.221+/-0.895

χ^2/NDF : 865414.3/24

Right: 4879.784+/-0.799

χ^2/NDF : 4794898.8/47

Right Out: 4738.918+/-1.052

χ^2/NDF : 3086284.8/25

In: 5221.652+/-0.730

χ^2/NDF : 2649454.3/44

Out: 5084.120+/-0.682

χ^2/NDF : 4137457.8/50

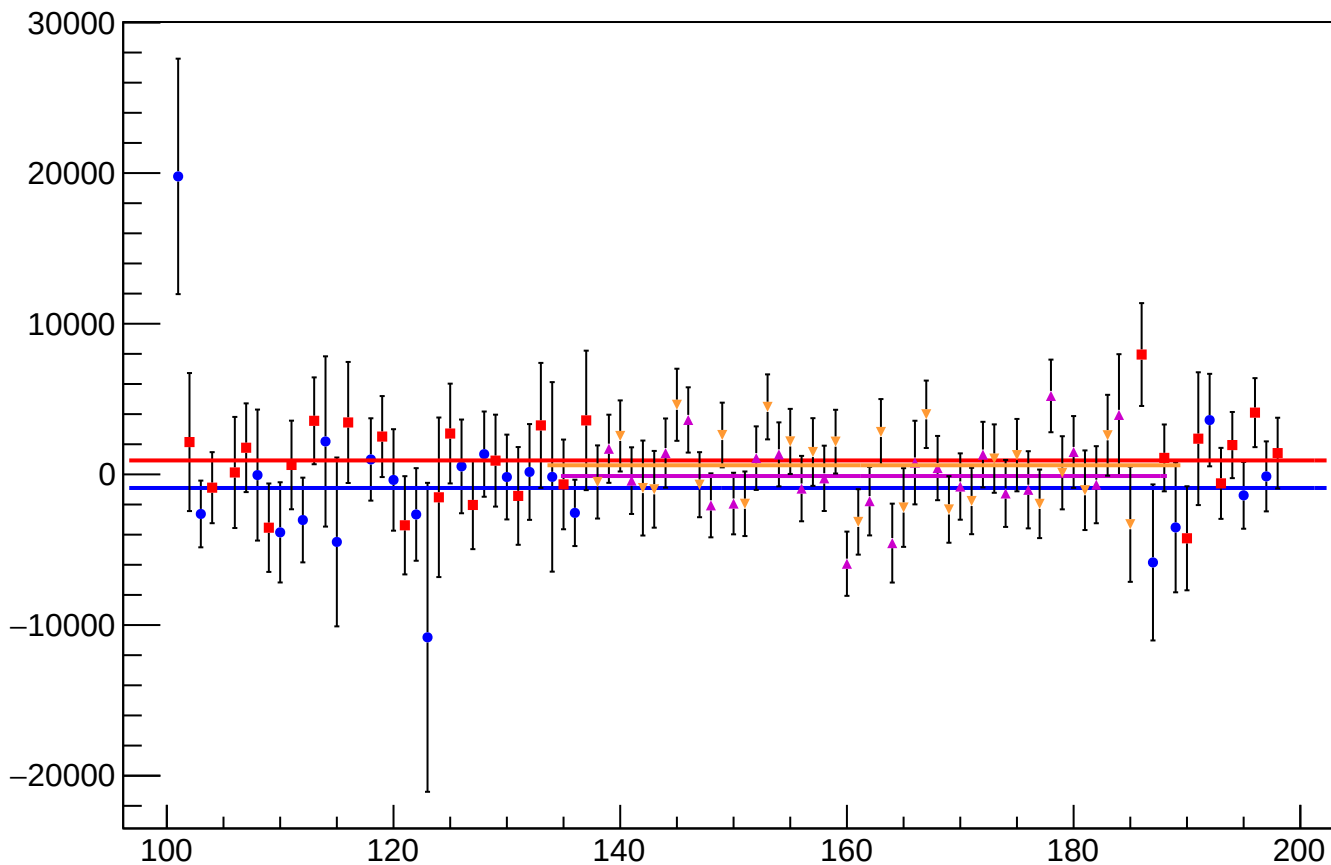
Left In: 5303.321+/-0.908

χ^2/NDF : 960356.0/22

All: 5148.163+/-0.498

χ^2/NDF : 6805863.4/95

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -902.332 $\pm$ 680.074 χ^2 /NDF: 16.7/21

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

Right Out: 926.253 $\pm$ 586.203 χ^2 /NDF: 18.6/25

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

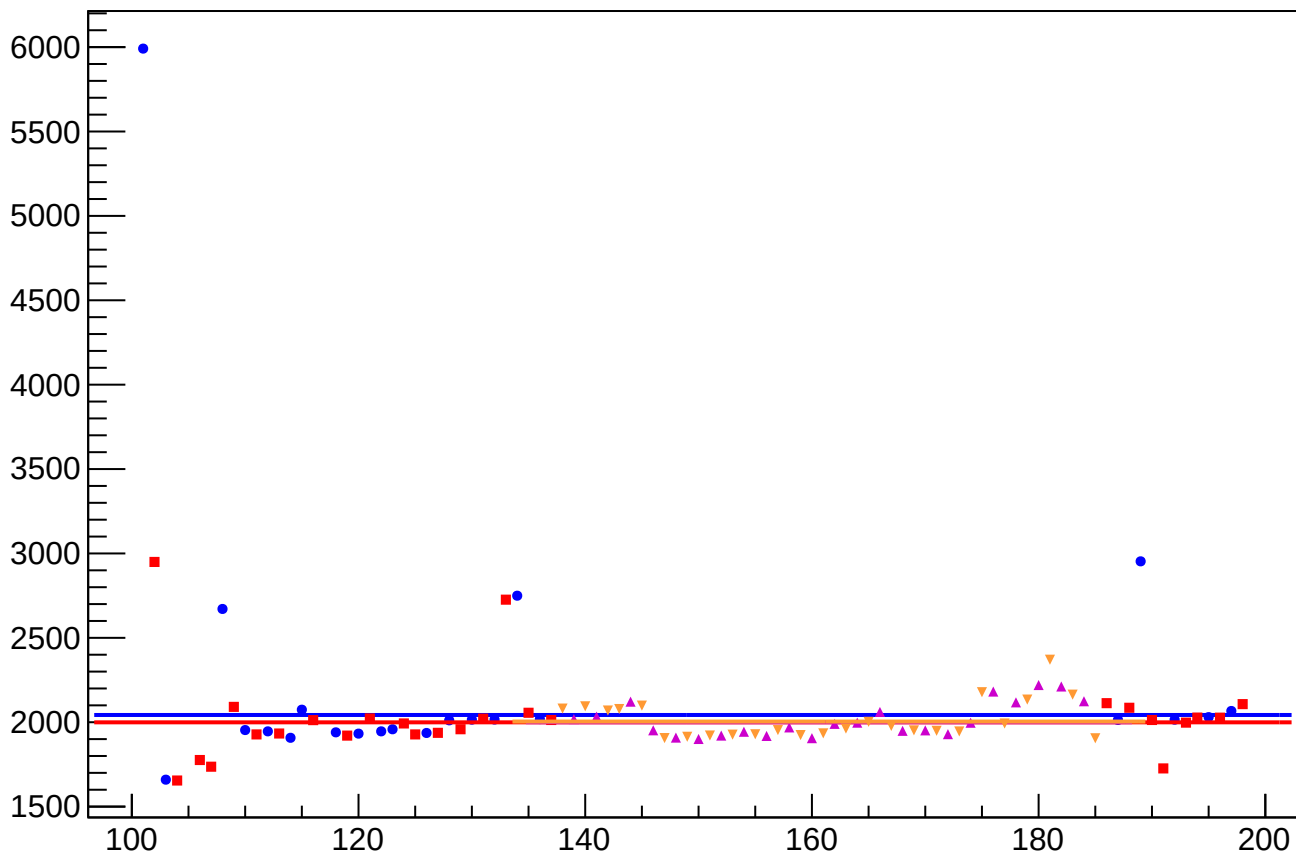
Right: 146.775 $\pm$ 444.018 χ^2 /NDF: 39.4/47

In: -370.827 $\pm$ 391.010 χ^2 /NDF:42.6/44

Out: 730.994 $\pm$ 366.405 χ^2 /NDF:44.0/50

All: 215.839 $\pm$ 267.363 χ^2 /NDF: 90.8/95

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2042.960 $\pm$ 0.481 χ^2 /NDF: 742617.7/21

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

Right Out: 1999.345 $\pm$ 0.414 χ^2 /NDF: 240729.8/25

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

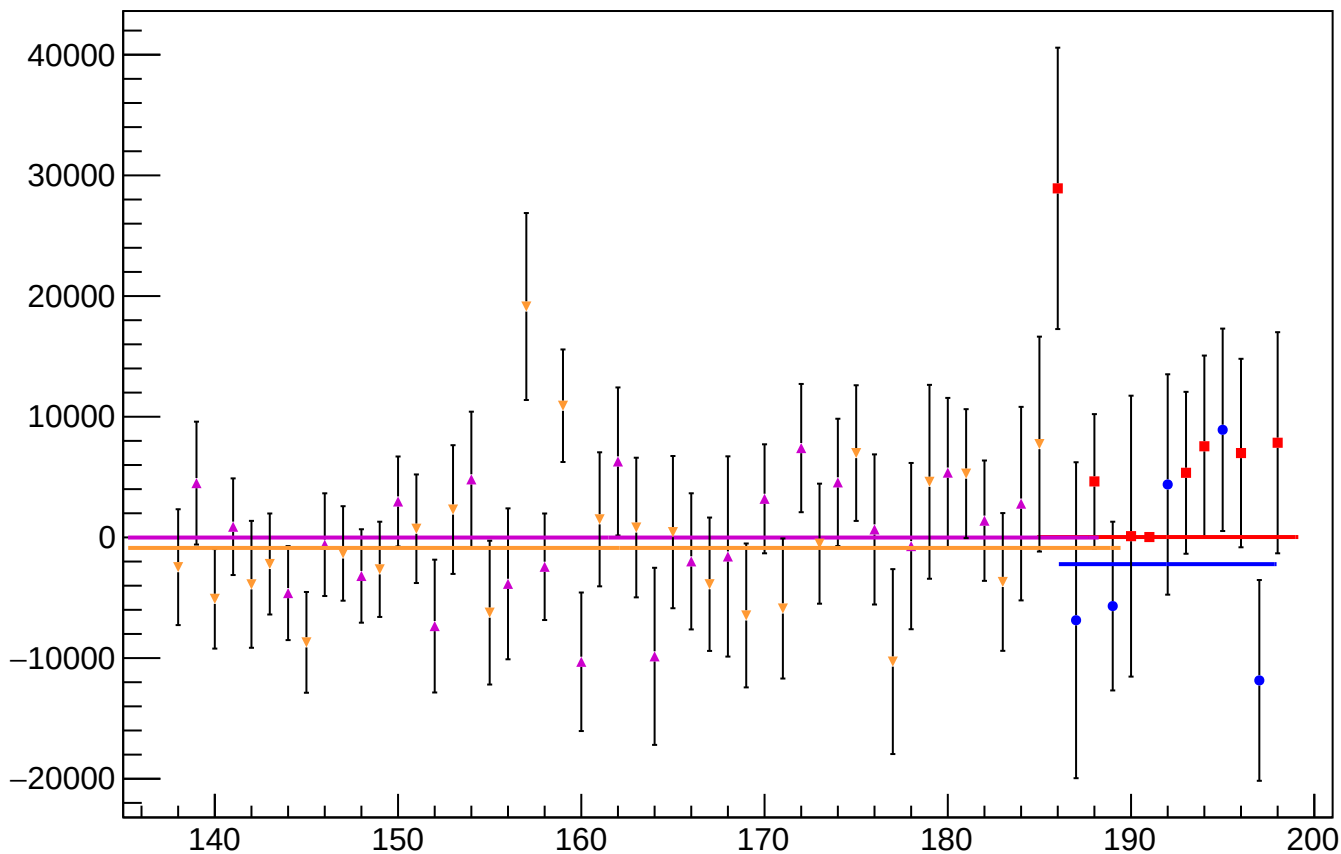
Right: 2017.924 $\pm$ 0.314 χ^2 /NDF: 988069.6/47

In: 2014.281 $\pm$ 0.276 χ^2 /NDF: 827619.6/44

Out: 2002.172 $\pm$ 0.259 χ^2 /NDF: 340788.0/50

All: 2007.832 $\pm$ 0.189 χ^2 /NDF: 1169429.1/95

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: -2215.151 $\pm$ 3864.755 χ^2 /NDF: 4.0/4

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

Right Out: 31.221 $\pm$ 14.261 χ^2 /NDF: 10.0/7

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

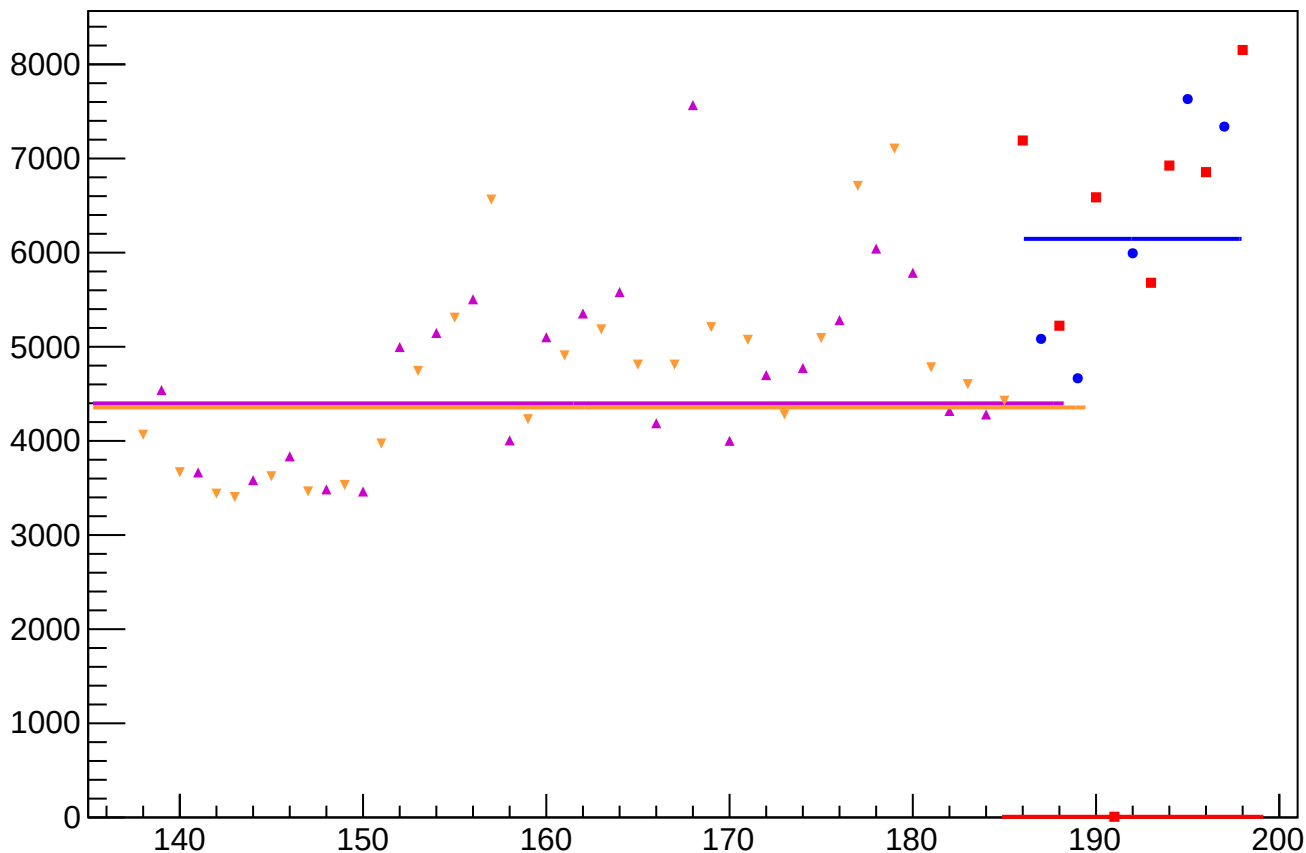
Right: 31.190 $\pm$ 14.261 χ^2 /NDF: 14.3/12

In: -167.943 $\pm$ 1031.439 χ^2 /NDF:21.5/27

Out: 31.052 $\pm$ 14.259 χ^2 /NDF:39.1/32

All: 31.014 $\pm$ 14.258 χ^2 /NDF: 60.6/60

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 6146.425+/-2.733 χ^2/NDF : 207306.7/4

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

Right Out: 7.217+/-0.010 χ^2/NDF : 9390576.4/7

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

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

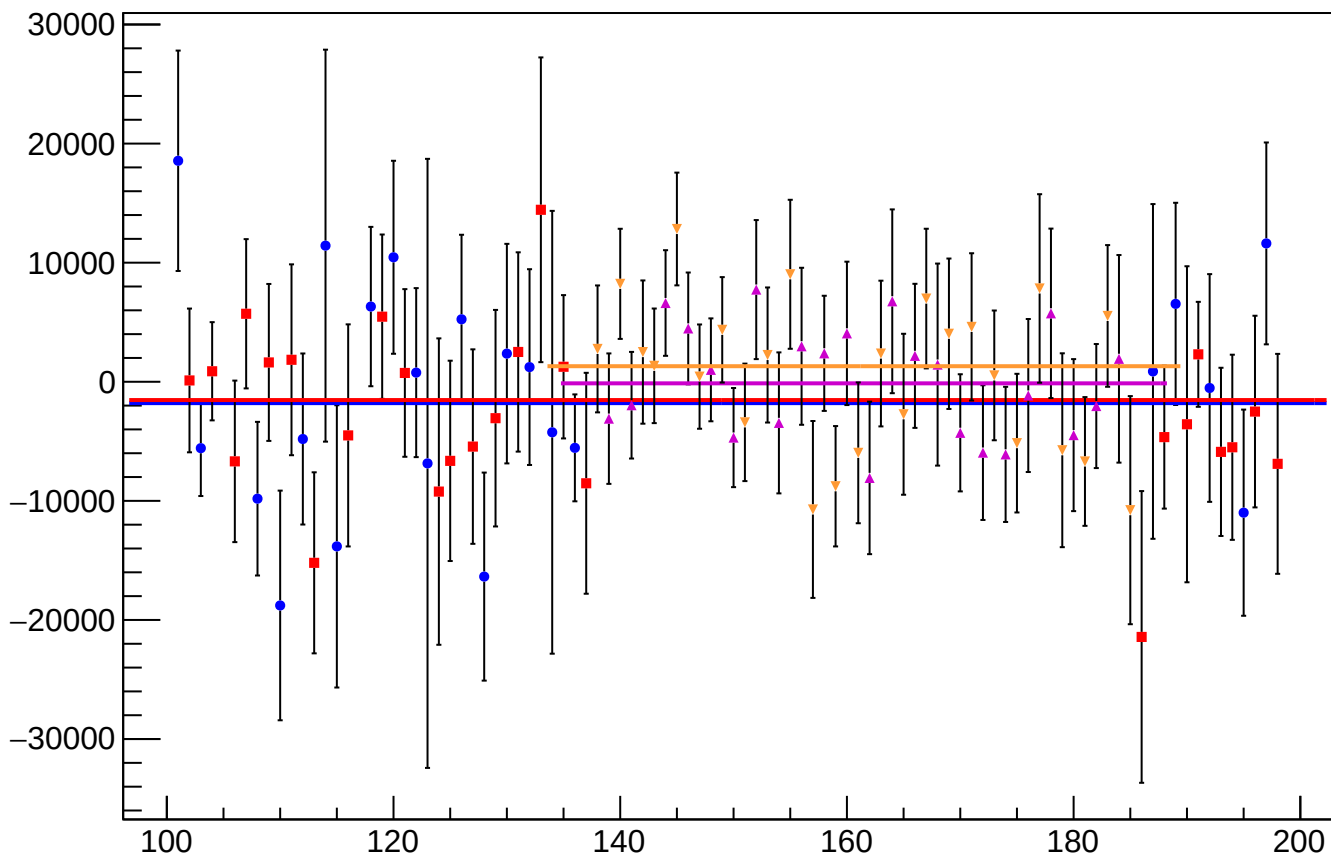
Right: 7.301+/-0.010 χ^2/NDF : 14644552.4/12

In: 4522.925+/-0.729 χ^2/NDF :1866088.2/27

Out: 8.029+/-0.010 χ^2/NDF :45465217.2/32

All: 8.892+/-0.010 χ^2/NDF : 85645148.1/60

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1793.622 ± 1651.321 χ^2/NDF : 25.6/21

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

Right Out: -1535.722 ± 1408.111 χ^2/NDF : 15.4/25

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

Left: 603.813 ± 809.096 χ^2/NDF : 43.8/47

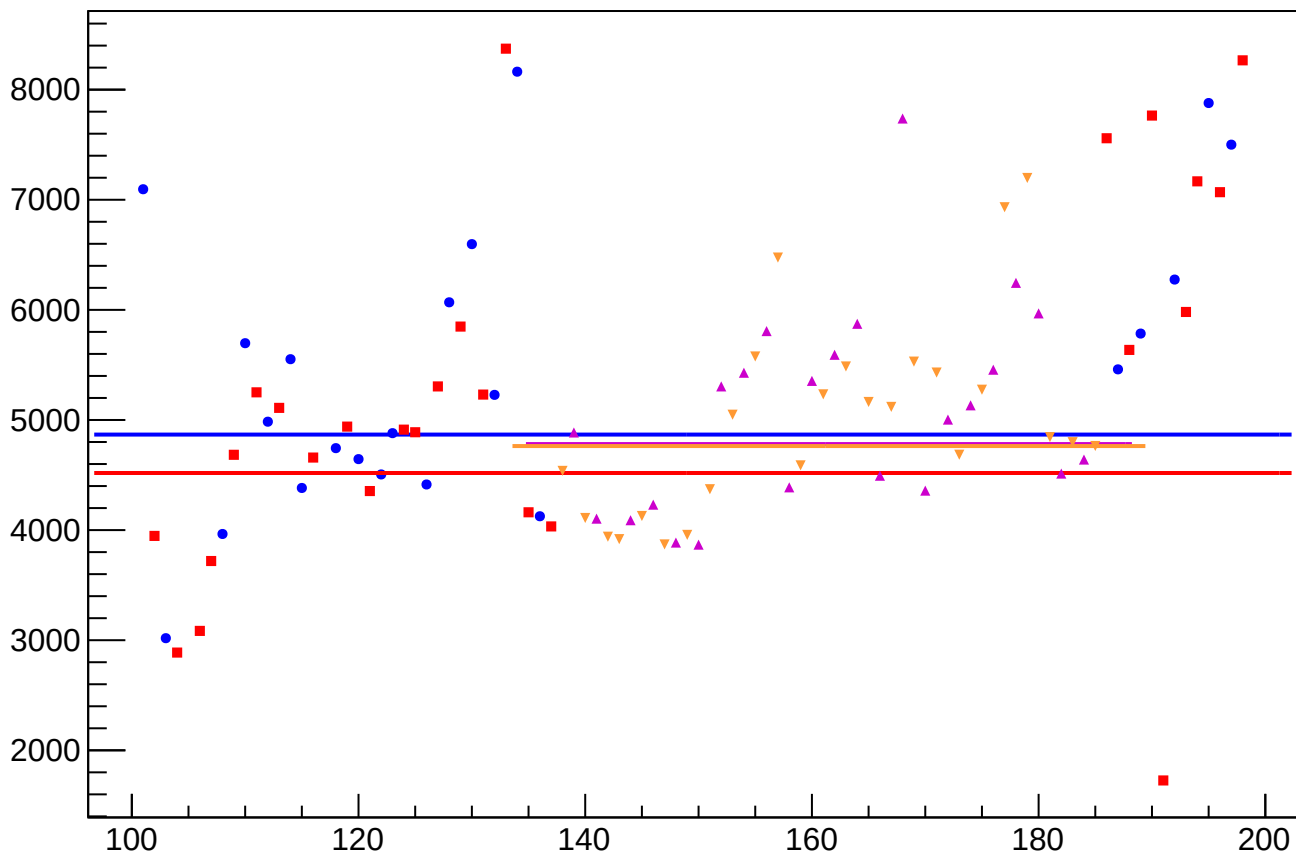
Right: -1644.299 ± 1071.457 χ^2/NDF : 41.1/47

In: -678.917 ± 947.716 χ^2/NDF : 41.2/44

Out: 191.375 ± 882.075 χ^2/NDF : 46.1/50

All: -212.591 ± 645.681 χ^2/NDF : 87.7/95

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4867.469+/-1.168 χ^2/NDF : 1350859.0/21

Left Out: 4763.190+/-0.800 χ^2/NDF : 941856.9/24

Right Out: 4518.584+/-0.992 χ^2/NDF : 2746836.1/25

Left In: 4781.172+/-0.818 χ^2/NDF : 951542.2/22

Left: 4771.979+/-0.572 χ^2/NDF : 1893645.9/47

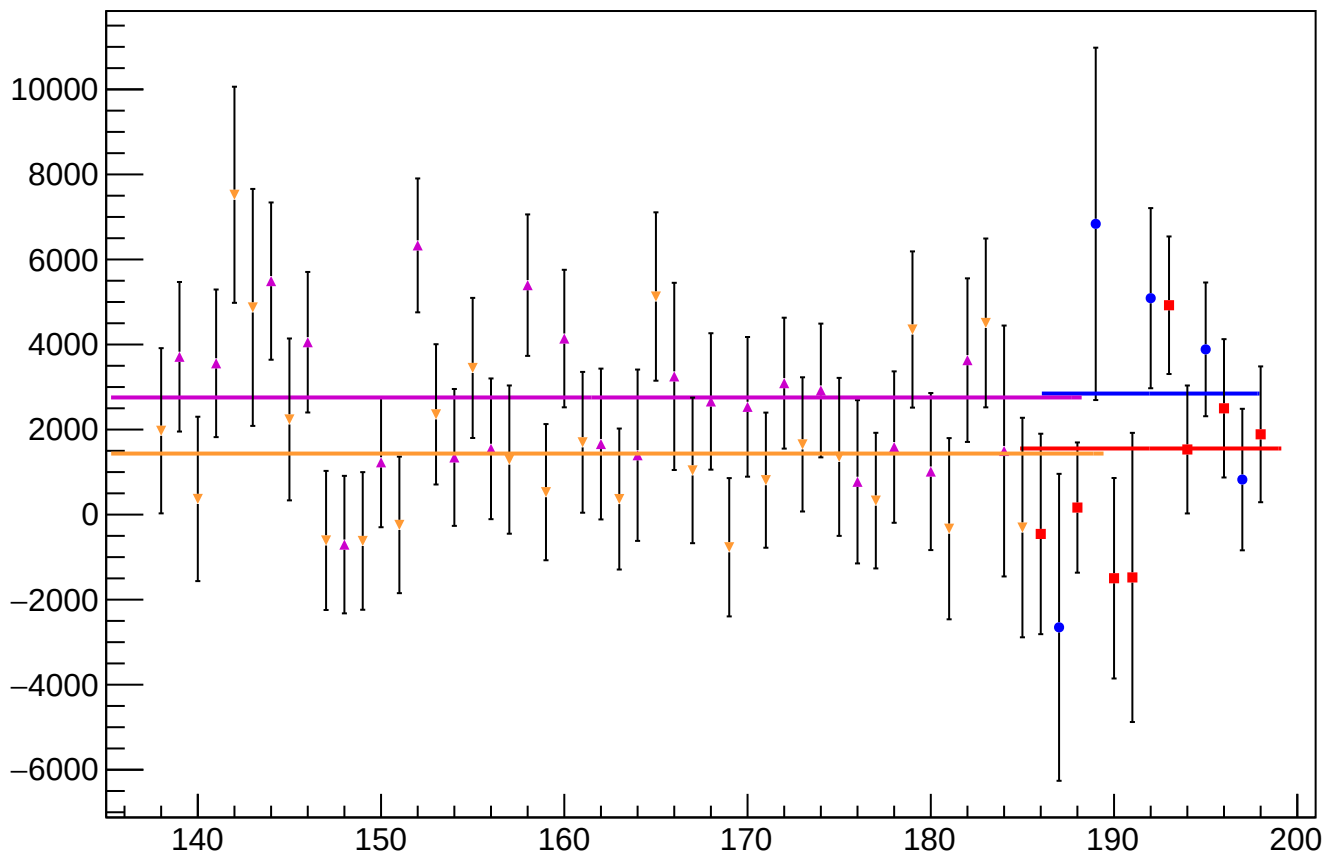
Right: 4664.809+/-0.756 χ^2/NDF : 4149553.1/47

In: 4809.596+/-0.670 χ^2/NDF : 2306064.2/44

Out: 4666.753+/-0.623 χ^2/NDF : 3725534.5/50

All: 4732.949+/-0.456 χ^2/NDF : 6055978.3/95

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2846.742 $\pm$ 943.498 χ^2 /NDF: 6.3/4

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

Right Out: 1554.793 $\pm$ 636.692 χ^2 /NDF: 8.7/7

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

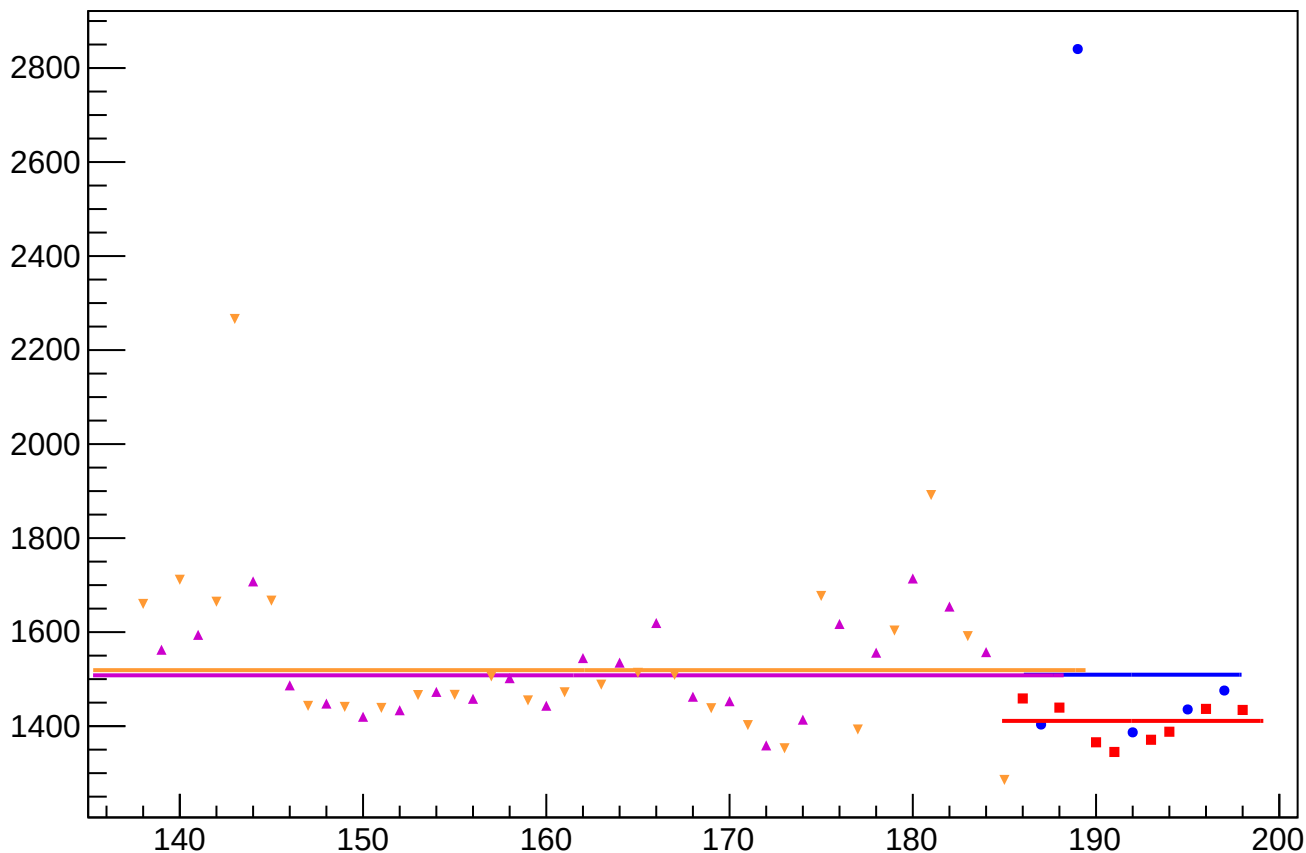
Right: 1959.039 $\pm$ 527.765 χ^2 /NDF: 16.3/12

In: 2766.657 $\pm$ 337.710 χ^2 /NDF:28.6/27

Out: 1464.180 $\pm$ 312.171 χ^2 /NDF:35.5/32

All: 2064.313 $\pm$ 229.236 χ^2 /NDF: 72.2/60

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1509.426+/-0.667 χ^2/NDF : 220038.5/4

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

Right Out: 1411.154+/-0.450 χ^2/NDF : 5619.4/7

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

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

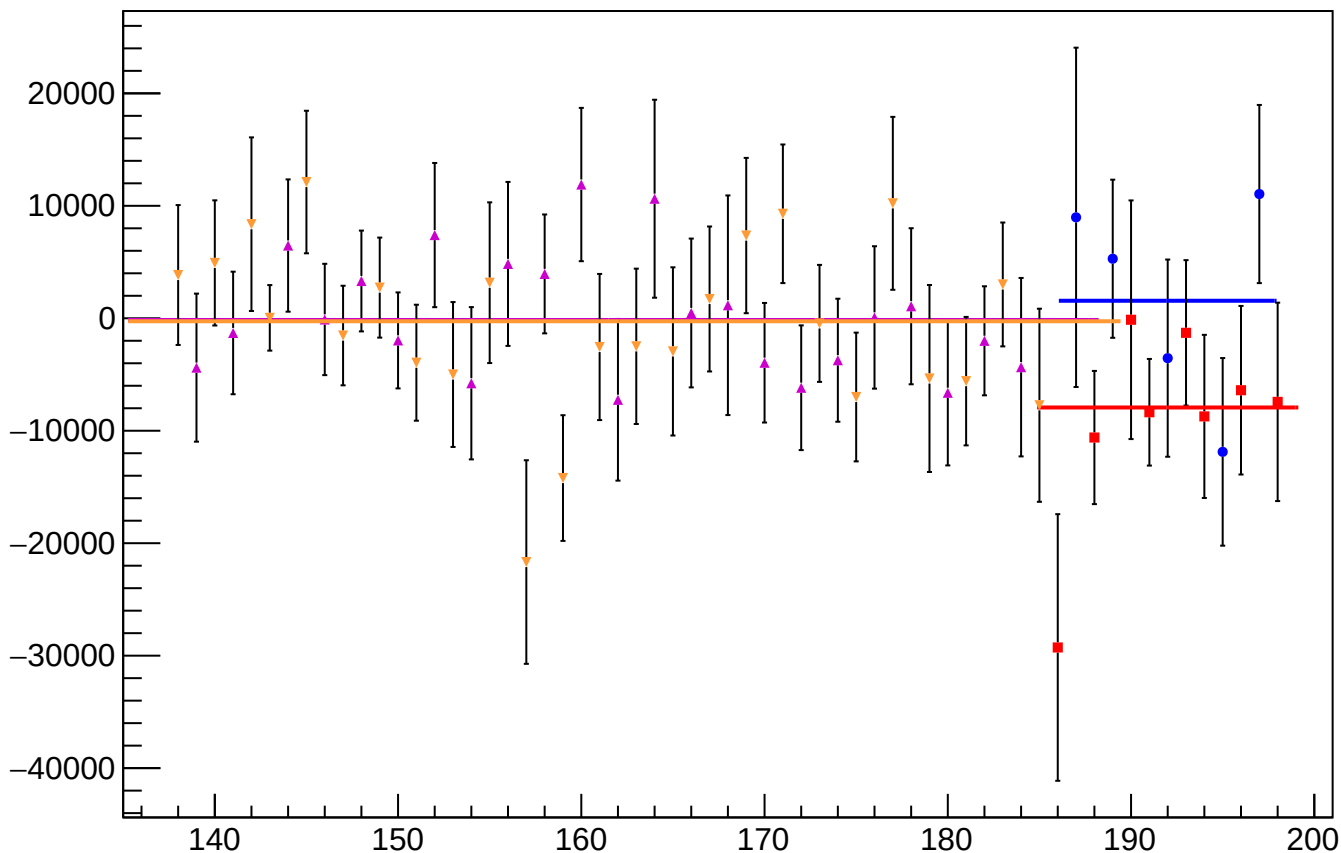
Right: 1441.903+/-0.373 χ^2/NDF : 240566.2/12

In: 1508.280+/-0.239 χ^2/NDF :351530.5/27

Out: 1493.144+/-0.221 χ^2/NDF :415121.0/32

All: 1500.118+/-0.162 χ^2/NDF : 768817.7/60

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: 1557.543 $\pm$ 3836.337 χ^2 /NDF: 4.9/4

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

Right Out: -7932.297 $\pm$ 2479.871 χ^2 /NDF: 5.1/7

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

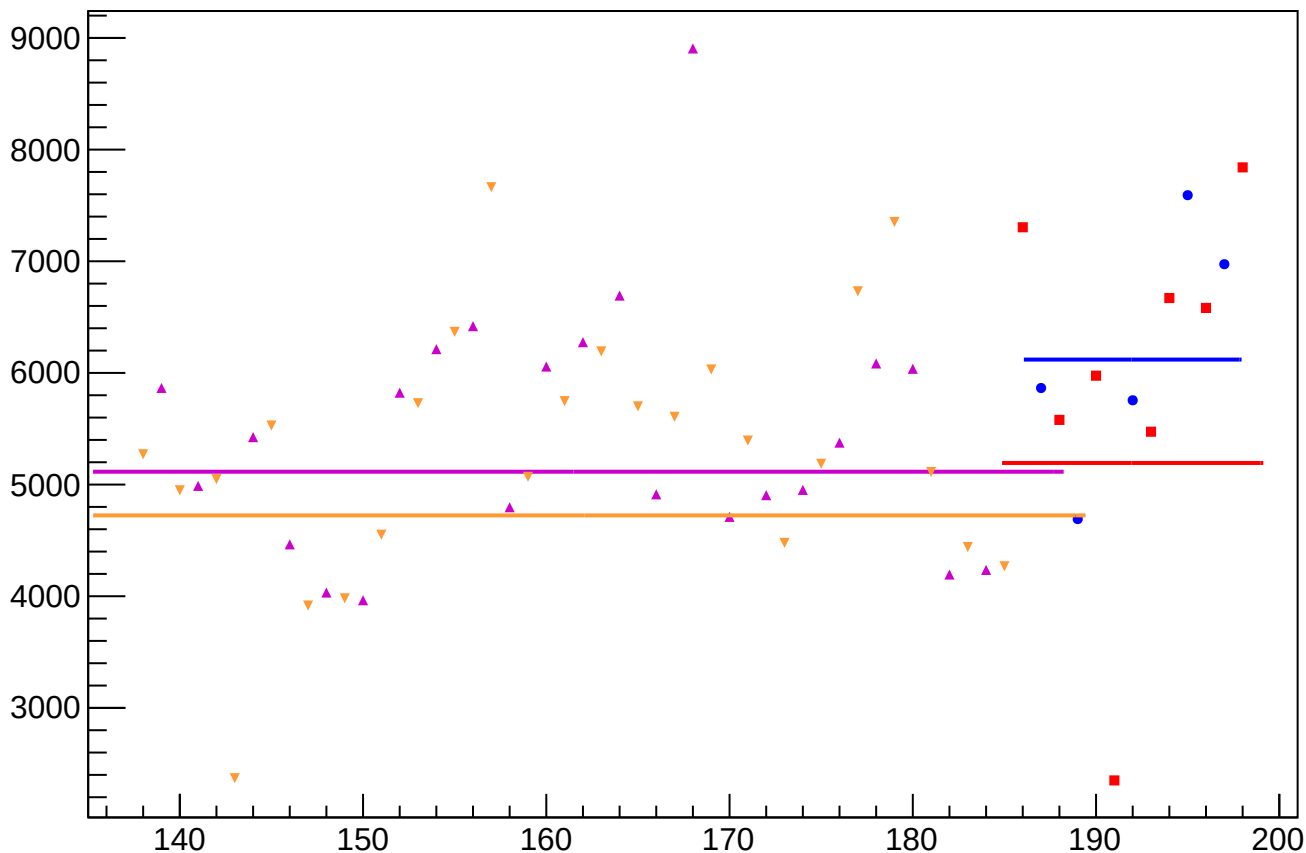
Right: -5135.557 $\pm$ 2082.636 χ^2 /NDF: 14.3/12

In: 10.823 $\pm$ 1181.447 χ^2 /NDF:19.9/27

Out: -1623.636 $\pm$ 1044.115 χ^2 /NDF:42.7/32

All: -906.880 $\pm$ 782.371 χ^2 /NDF: 63.7/60

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 6119.586 $\pm$ 2.713 χ^2/NDF : 172160.5/4

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

Right Out: 5193.530 $\pm$ 1.754 χ^2/NDF : 1137515.1/7

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

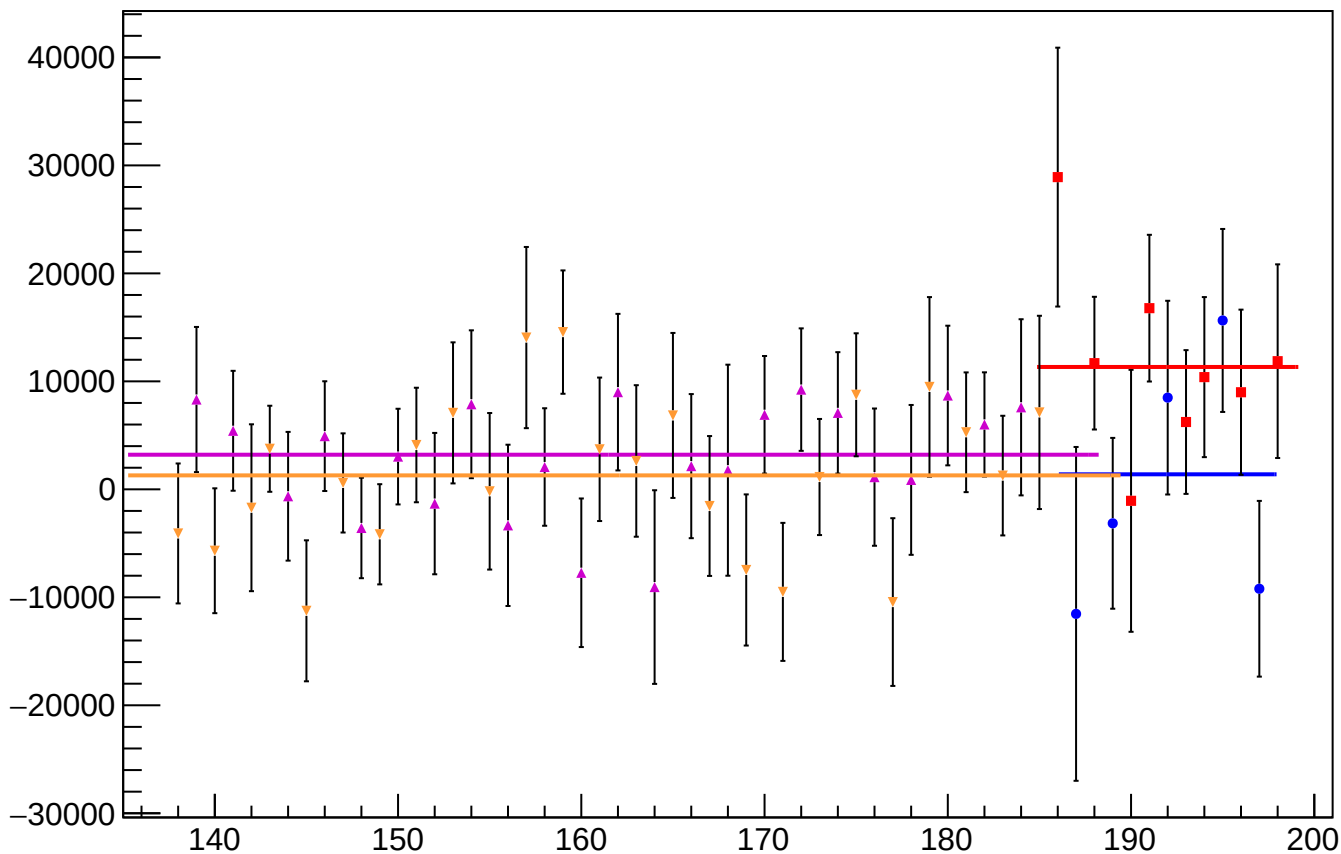
Right: 5466.447 $\pm$ 1.473 χ^2/NDF : 1391869.4/12

In: 5210.402 $\pm$ 0.835 χ^2/NDF : 1427608.5/27

Out: 4807.256 $\pm$ 0.738 χ^2/NDF : 3734027.2/32

All: 4984.047 $\pm$ 0.553 χ^2/NDF : 5292389.2/60

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 1390.790+/-4028.331 χ^2/NDF : 6.2/4

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

Right Out: 11332.023+/-2750.283 χ^2/NDF : 4.5/7

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

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

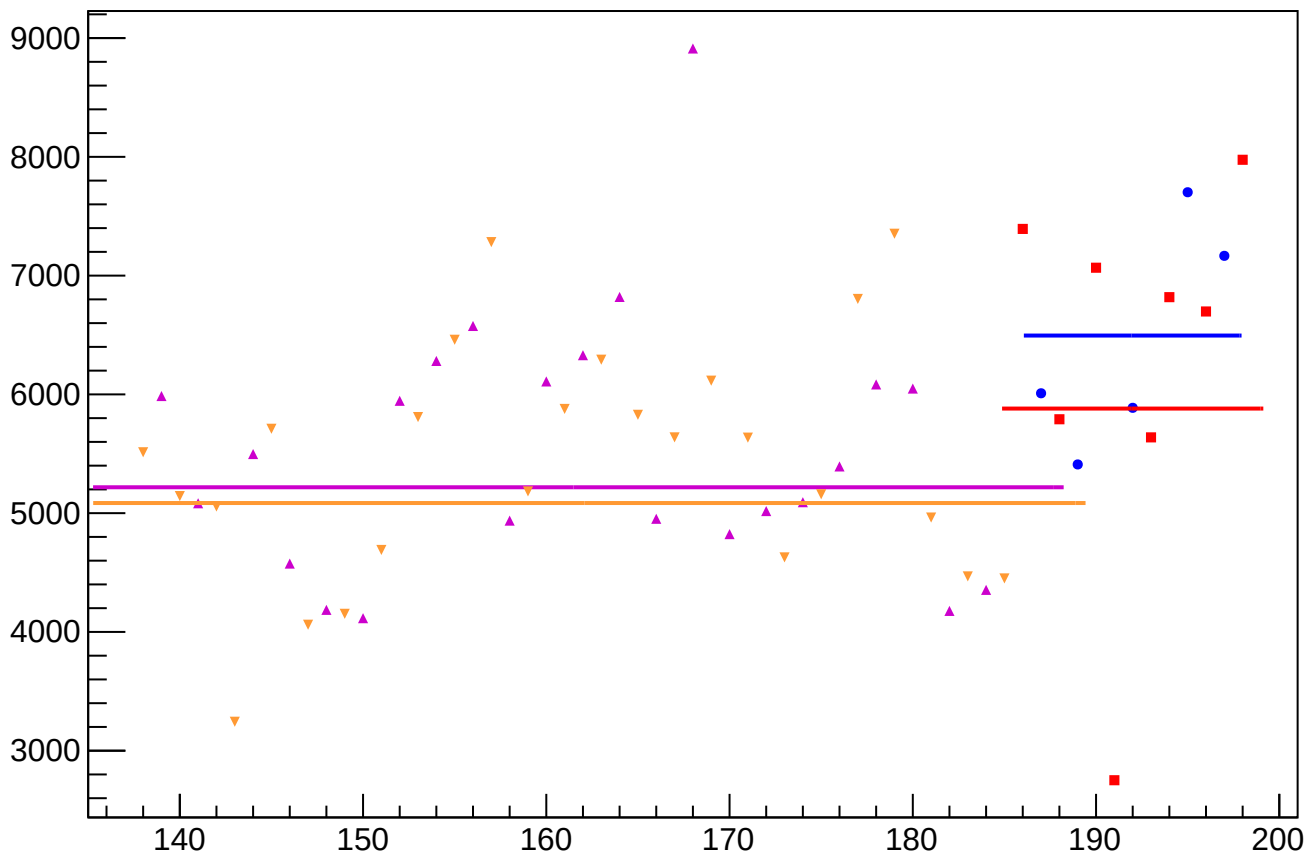
Right: 8171.398+/-2271.389 χ^2/NDF : 14.9/12

In: 3042.348+/-1207.401 χ^2/NDF : 20.2/27

Out: 2933.402+/-1111.963 χ^2/NDF : 43.5/32

All: 2983.400+/-817.938 χ^2/NDF : 63.7/60

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 6495.421+/-2.848 χ^2/NDF : 102982.2/4

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

Right Out: 5880.655+/-1.945 χ^2/NDF : 642411.6/7

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

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

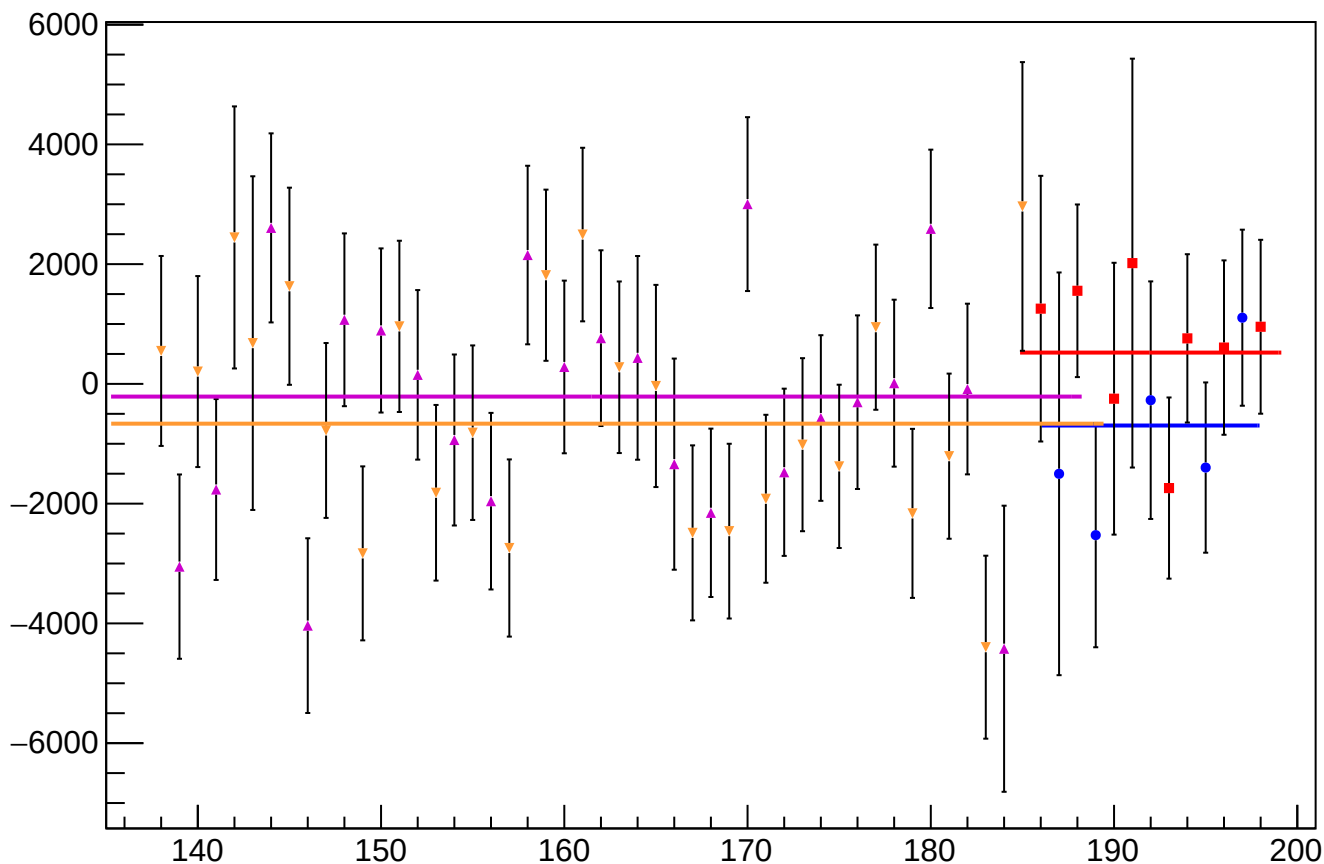
Right: 6076.108+/-1.606 χ^2/NDF : 777164.5/12

In: 5332.733+/-0.854 χ^2/NDF :1345035.5/27

Out: 5215.319+/-0.786 χ^2/NDF :2139028.6/32

All: 5269.203+/-0.578 χ^2/NDF : 3494297.6/60

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -695.216+/-794.334 χ^2/NDF : 2.8/4

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

Right Out: 522.828+/-592.020 χ^2/NDF : 3.3/7

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

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

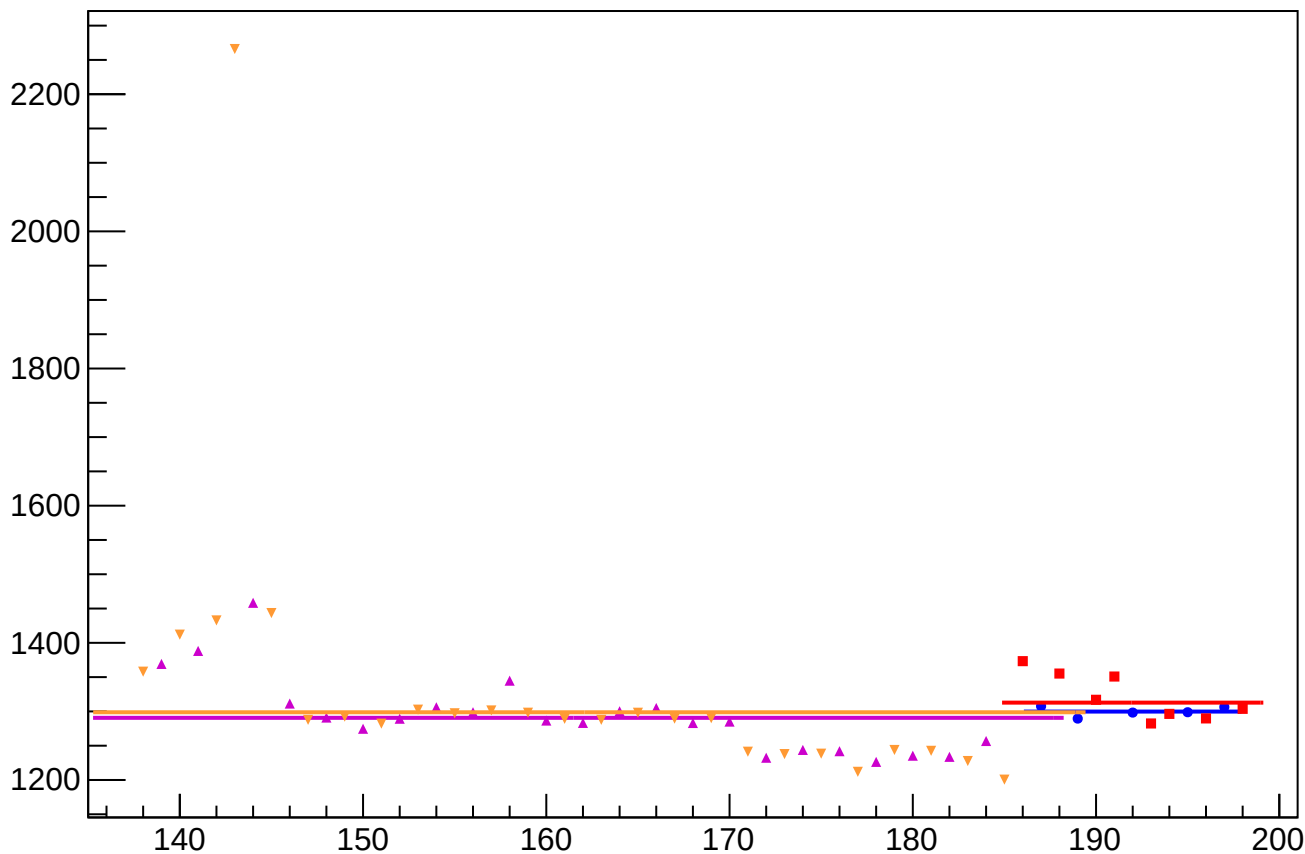
Right: 87.852+/-474.684 χ^2/NDF : 7.6/12

In: -275.430+/-287.652 χ^2/NDF :39.8/27

Out: -415.200+/-271.217 χ^2/NDF :41.1/32

All: -349.422+/-197.334 χ^2/NDF : 81.0/60

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1299.768 ± 0.562 $\chi^2/\text{NDF}: 113.7/4$

Left Out: 1298.743 ± 0.216 $\chi^2/\text{NDF}: 310344.8/24$

Right Out: 1312.812 ± 0.419 $\chi^2/\text{NDF}: 5128.4/7$

Left In: 1290.644 ± 0.218 $\chi^2/\text{NDF}: 59427.8/22$

Left: 1294.740 ± 0.153 $\chi^2/\text{NDF}: 370469.1/47$

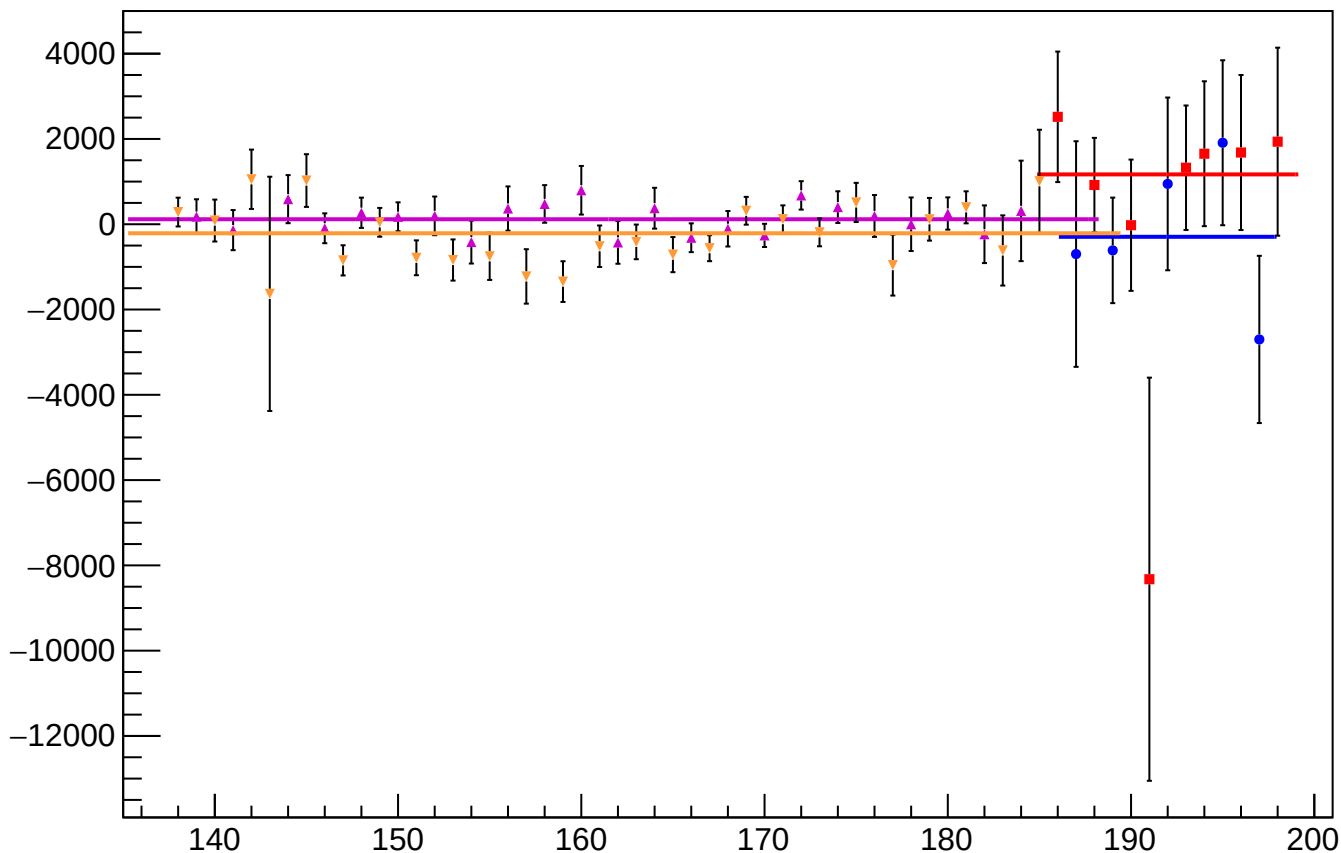
Right: 1308.154 ± 0.336 $\chi^2/\text{NDF}: 5588.8/12$

In: 1291.841 ± 0.203 $\chi^2/\text{NDF}: 59770.7/27$

Out: 1301.696 ± 0.192 $\chi^2/\text{NDF}: 316365.6/32$

All: 1297.058 ± 0.140 $\chi^2/\text{NDF}: 377379.1/60$

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: -294.591 $\pm$ 798.784 χ^2 /NDF: 3.3/4

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

Right Out: 1168.660 $\pm$ 573.755 χ^2 /NDF: 5.8/7

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

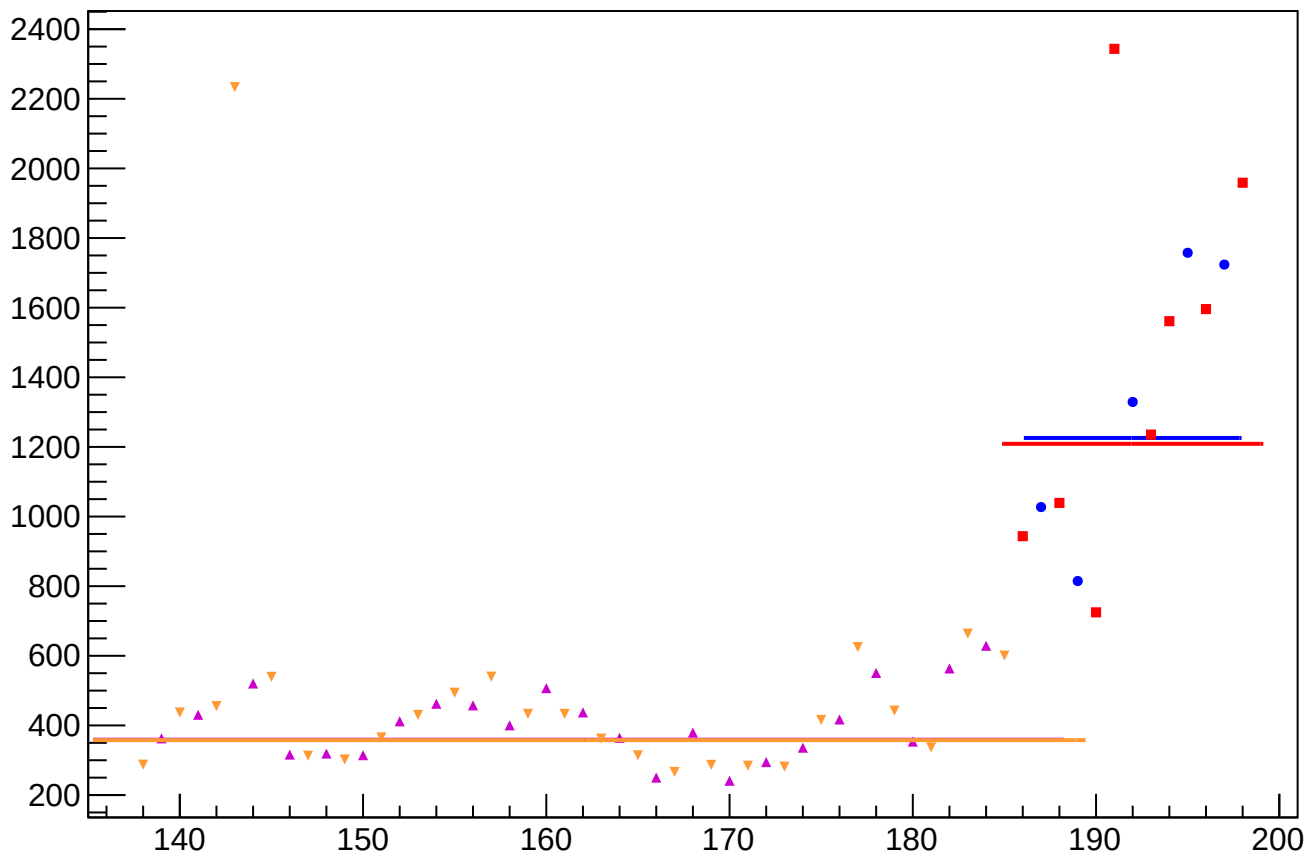
Right: 670.656 $\pm$ 466.001 χ^2 /NDF: 11.2/12

In: 112.153 $\pm$ 87.681 χ^2 /NDF:17.8/27

Out: -180.154 $\pm$ 86.664 χ^2 /NDF:53.1/32

All: -35.706 $\pm$ 61.637 χ^2 /NDF: 76.5/60

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 1225.772+/-0.565 χ^2/NDF : 517360.0/4

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

Right Out: 1208.916+/-0.406 χ^2/NDF : 829104.7/7

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

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

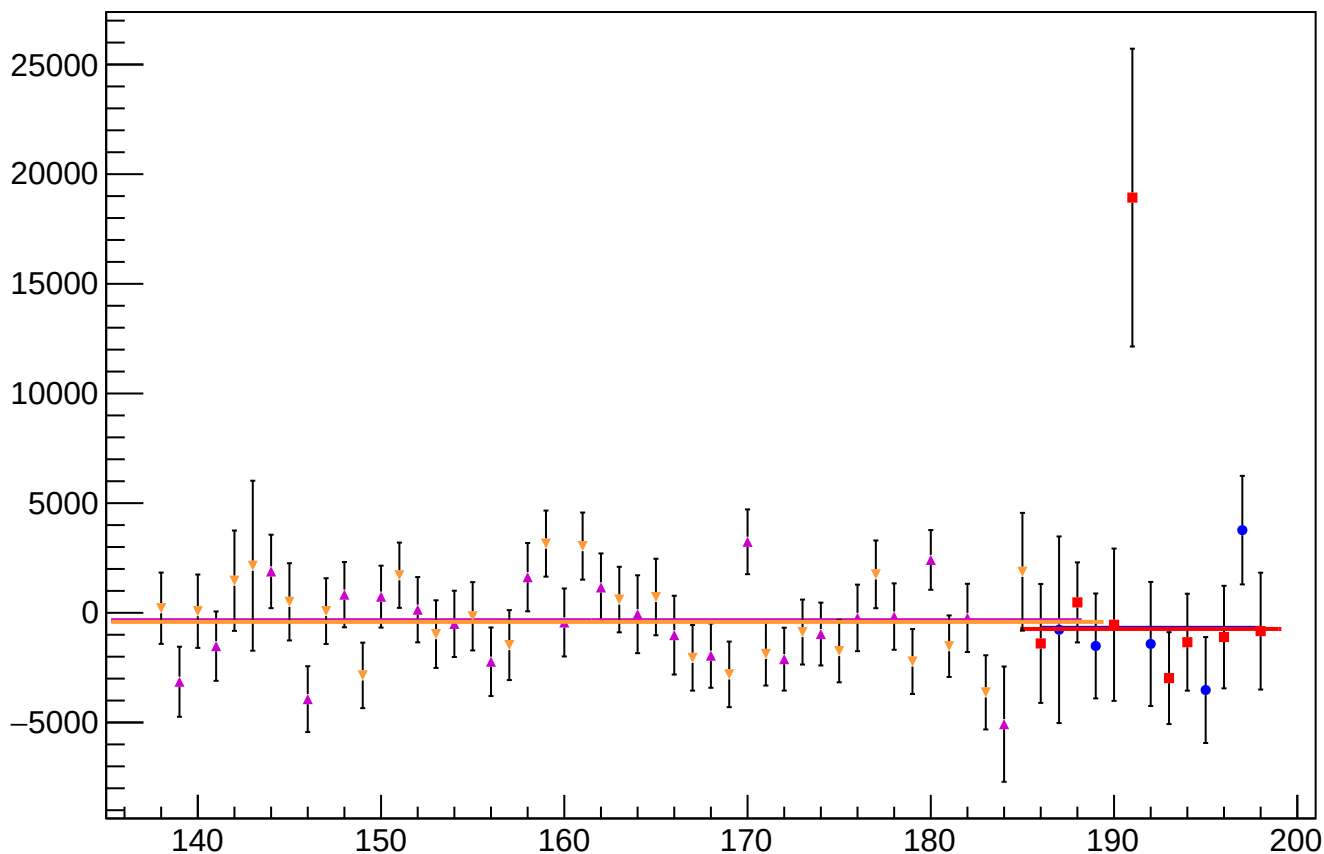
Right: 1214.653+/-0.330 χ^2/NDF : 1347052.2/12

In: 369.444+/-0.062 χ^2/NDF : 4702779.1/27

Out: 377.169+/-0.061 χ^2/NDF : 8172292.8/32

All: 373.351+/-0.044 χ^2/NDF : 12882924.1/60

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -684.305+/-1204.063 χ^2/NDF : 4.8/4

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

Right Out: -735.159+/-877.782 χ^2/NDF : 10.1/7

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

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

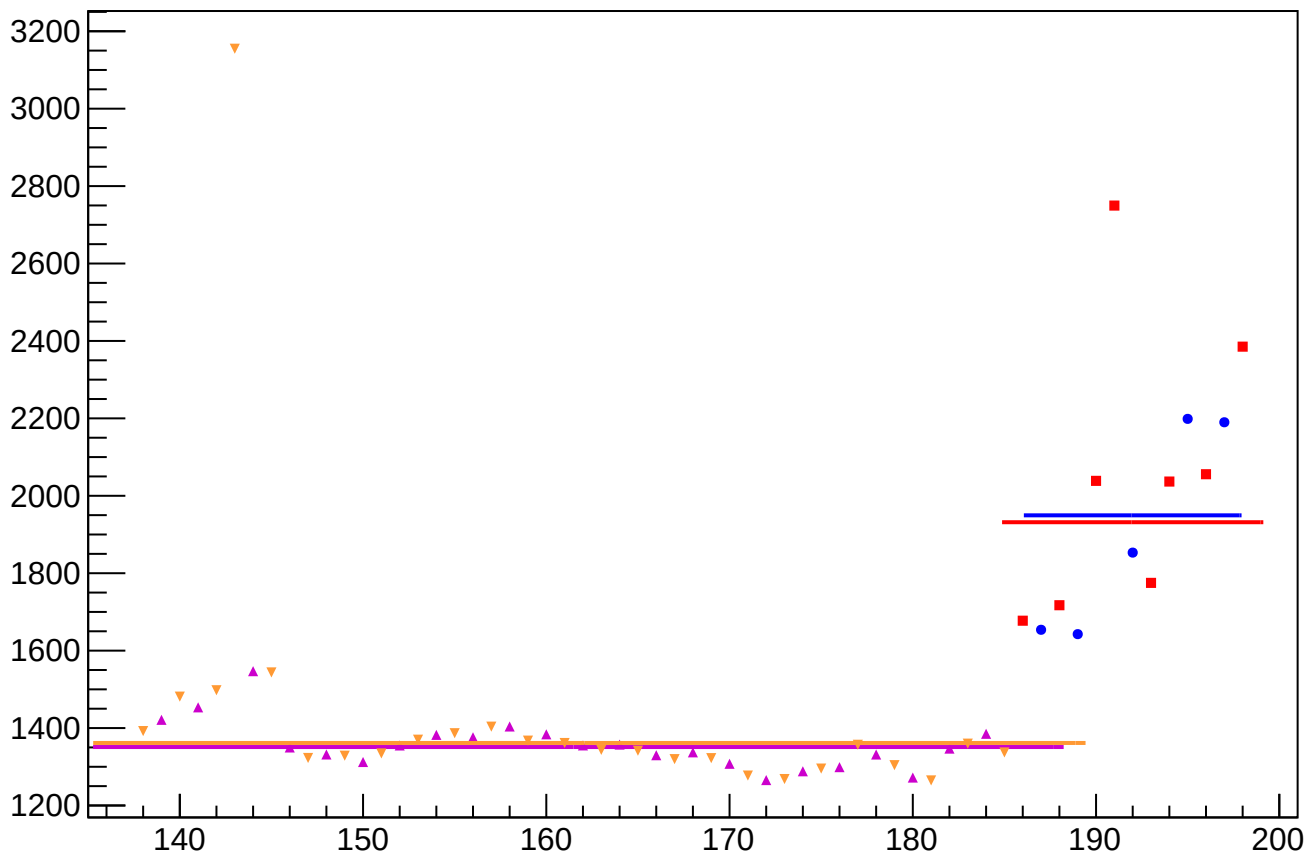
Right: -717.511+/-709.305 χ^2/NDF : 14.9/12

In: -360.498+/-311.991 χ^2/NDF : 37.7/27

Out: -451.293+/-301.206 χ^2/NDF : 43.1/32

All: -407.492+/-216.697 χ^2/NDF : 80.8/60

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1949.527+/-0.851 χ^2/NDF : 85061.2/4

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

Right Out: 1931.732+/-0.621 χ^2/NDF : 155474.4/7

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

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

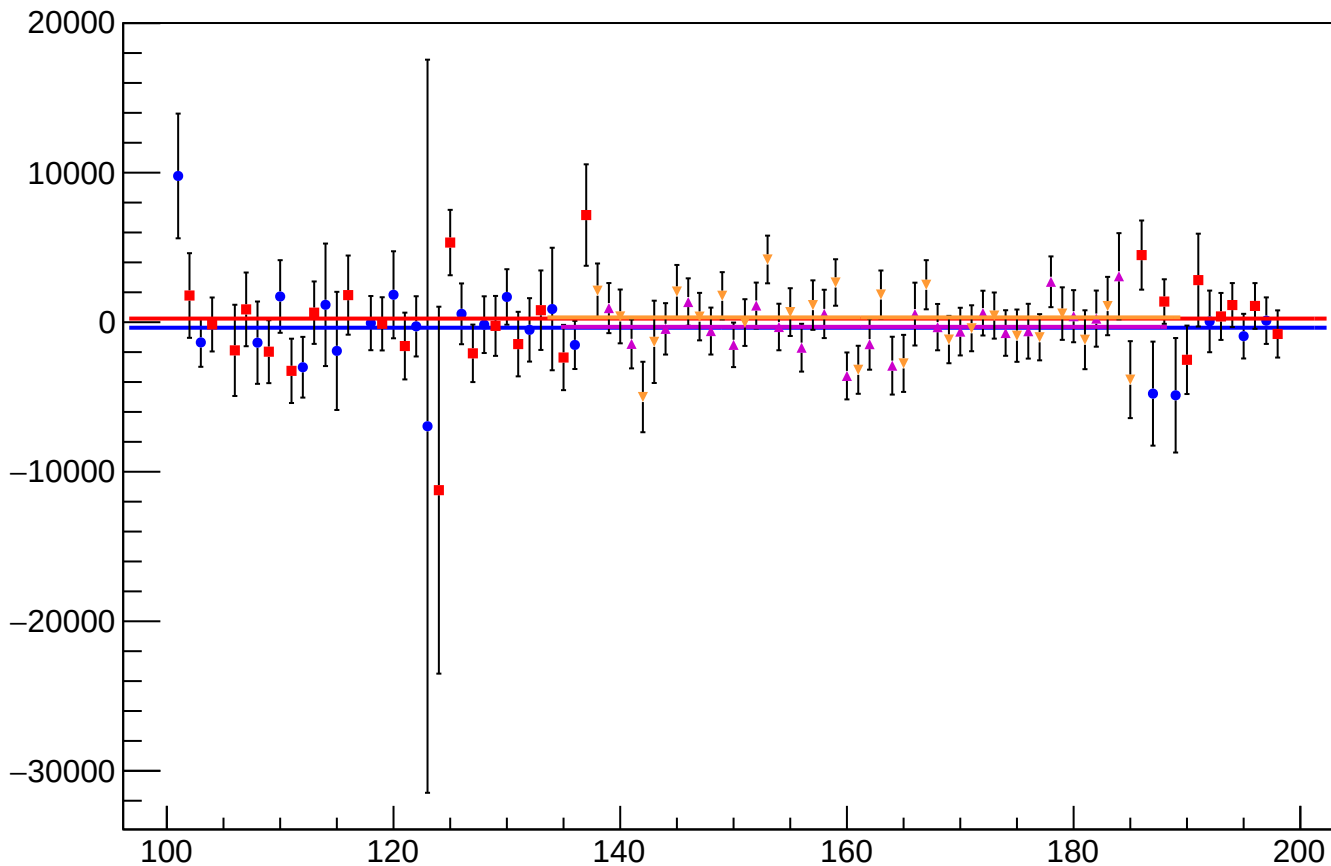
Right: 1937.907+/-0.502 χ^2/NDF : 240820.8/12

In: 1391.197+/-0.221 χ^2/NDF : 615034.8/27

Out: 1428.653+/-0.213 χ^2/NDF : 1407966.7/32

All: 1410.584+/-0.153 χ^2/NDF : 2037921.5/60

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -368.955 $\pm$ 471.479 χ^2 /NDF: 15.2/21

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

Right Out: 242.575 $\pm$ 406.395 χ^2 /NDF: 27.0/25

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

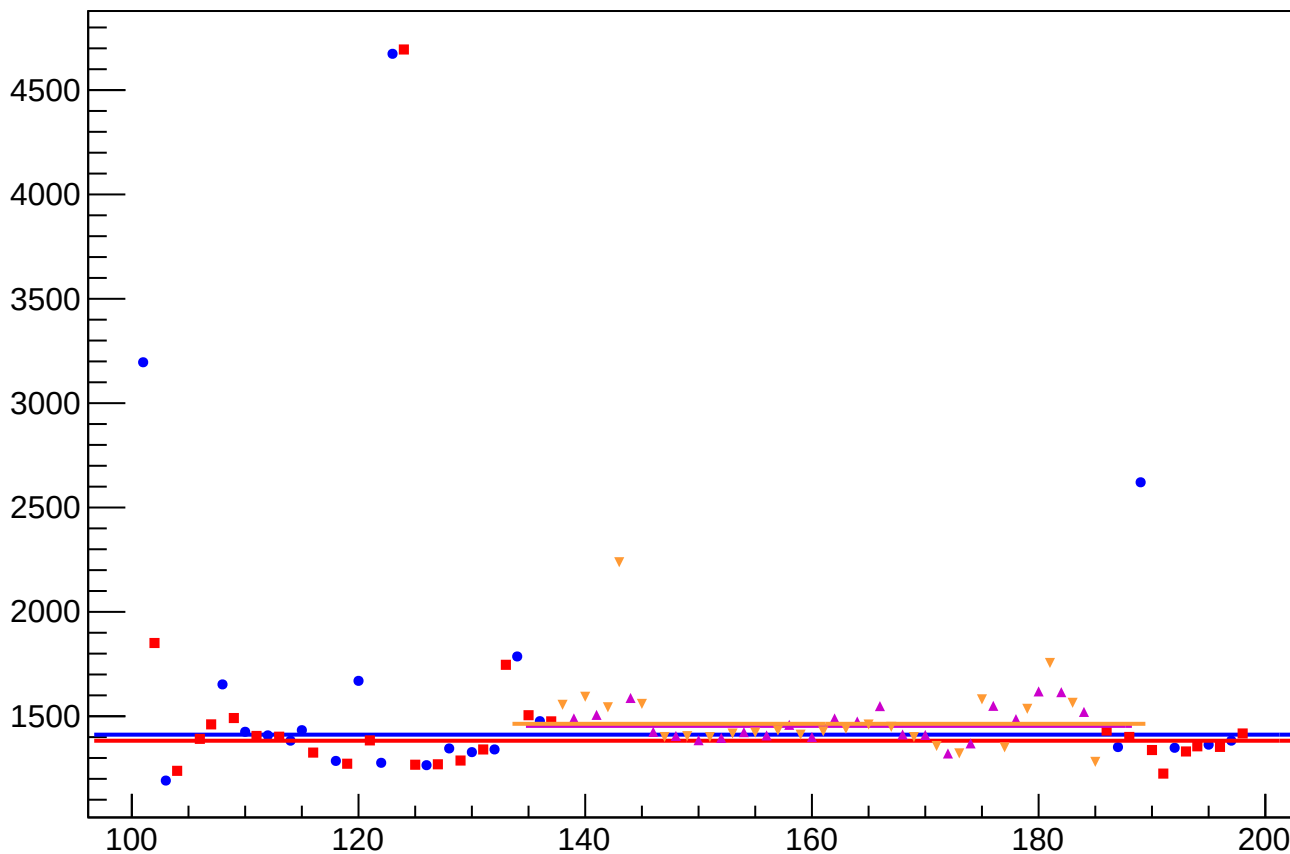
Right: -18.101 $\pm$ 307.825 χ^2 /NDF: 43.1/47

In: -331.353 $\pm$ 280.143 χ^2 /NDF:32.0/44

Out: 287.644 $\pm$ 262.849 χ^2 /NDF:59.5/50

All: -2.160 $\pm$ 191.685 χ^2 /NDF: 94.1/95

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1411.748 $\pm$ 0.333 χ^2 /NDF: 731559.1/21

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

Right Out: 1382.636 $\pm$ 0.287 χ^2 /NDF: 304165.0/25

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

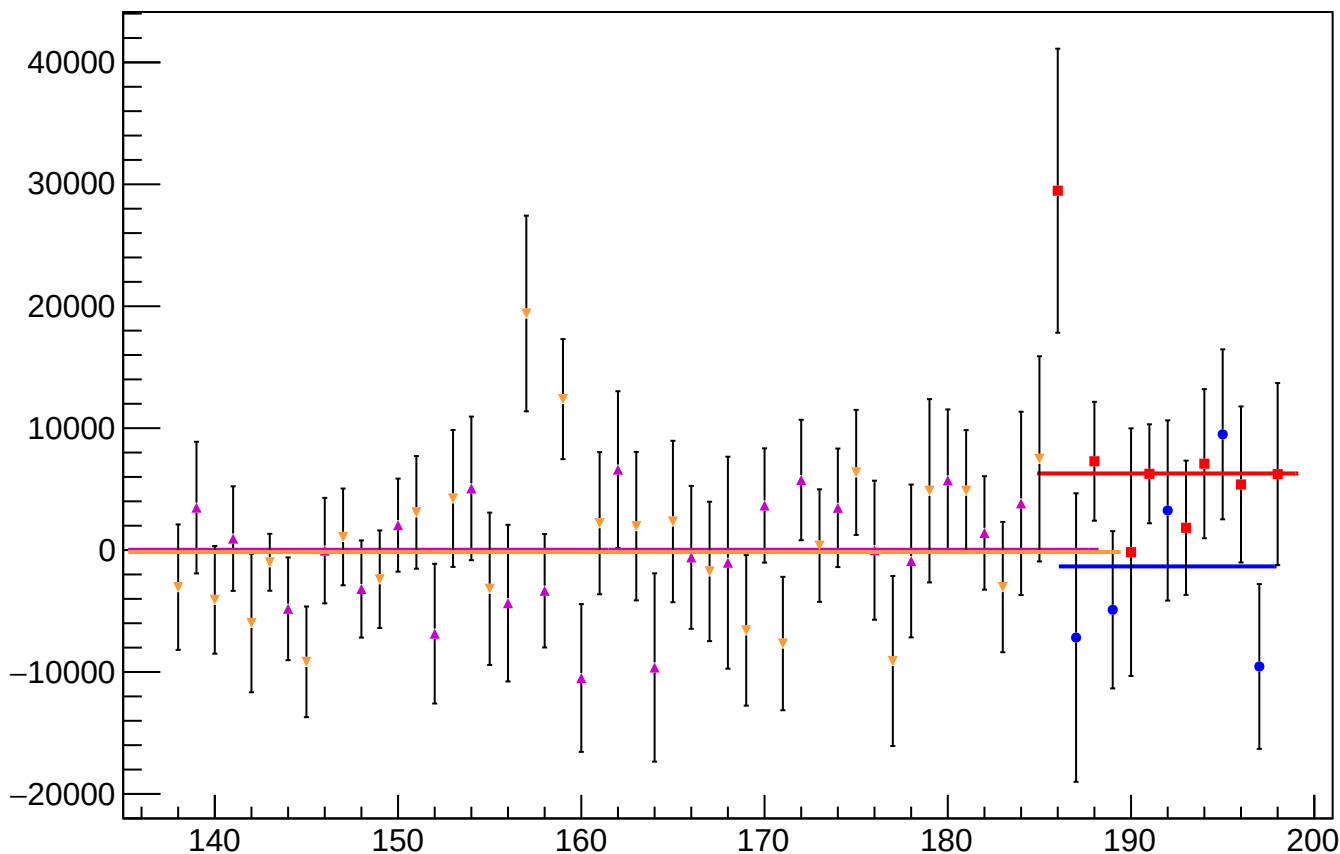
Right: 1395.041 $\pm$ 0.218 χ^2 /NDF: 1040100.2/47

In: 1438.930 $\pm$ 0.198 χ^2 /NDF: 841058.4/44

Out: 1429.784 $\pm$ 0.186 χ^2 /NDF: 660977.5/50

All: 1434.065 $\pm$ 0.136 χ^2 /NDF: 1503169.6/95

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: -1338.315 $\pm$ 3297.452 χ^2 /NDF: 4.8/4

Left Out: -160.118 $\pm$ 989.347 χ^2 /NDF:29.7/24

Right Out: 6286.152 $\pm$ 2122.561 χ^2 /NDF: 5.1/7

Left In: 26.926 $\pm$ 1085.415 χ^2 /NDF:15.3/22

Left: -75.238 $\pm$ 731.183 χ^2 /NDF: 45.0/47

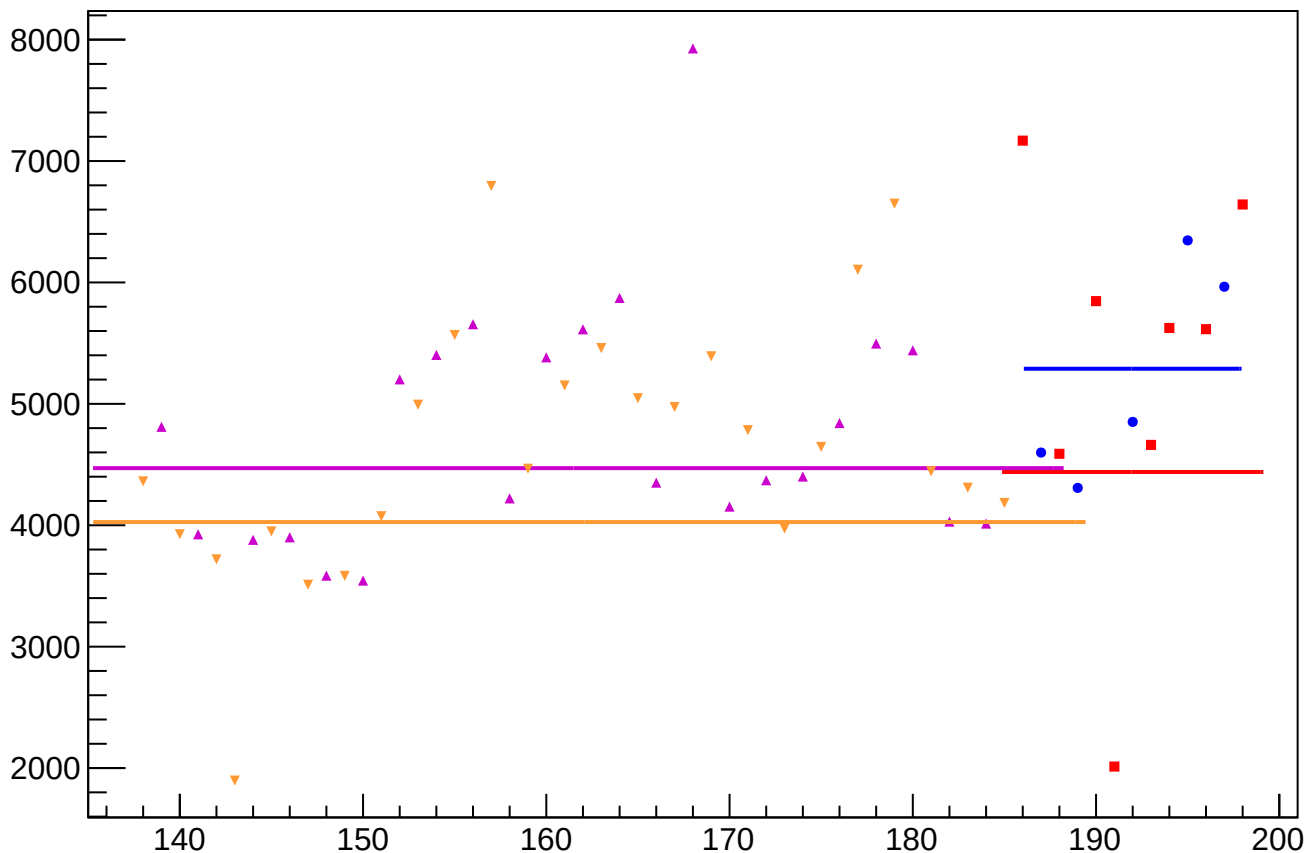
Right: 4052.492 $\pm$ 1784.770 χ^2 /NDF: 13.7/12

In: -106.539 $\pm$ 1030.996 χ^2 /NDF:20.3/27

Out: 990.425 $\pm$ 896.721 χ^2 /NDF:42.4/32

All: 517.983 $\pm$ 676.605 χ^2 /NDF: 63.3/60

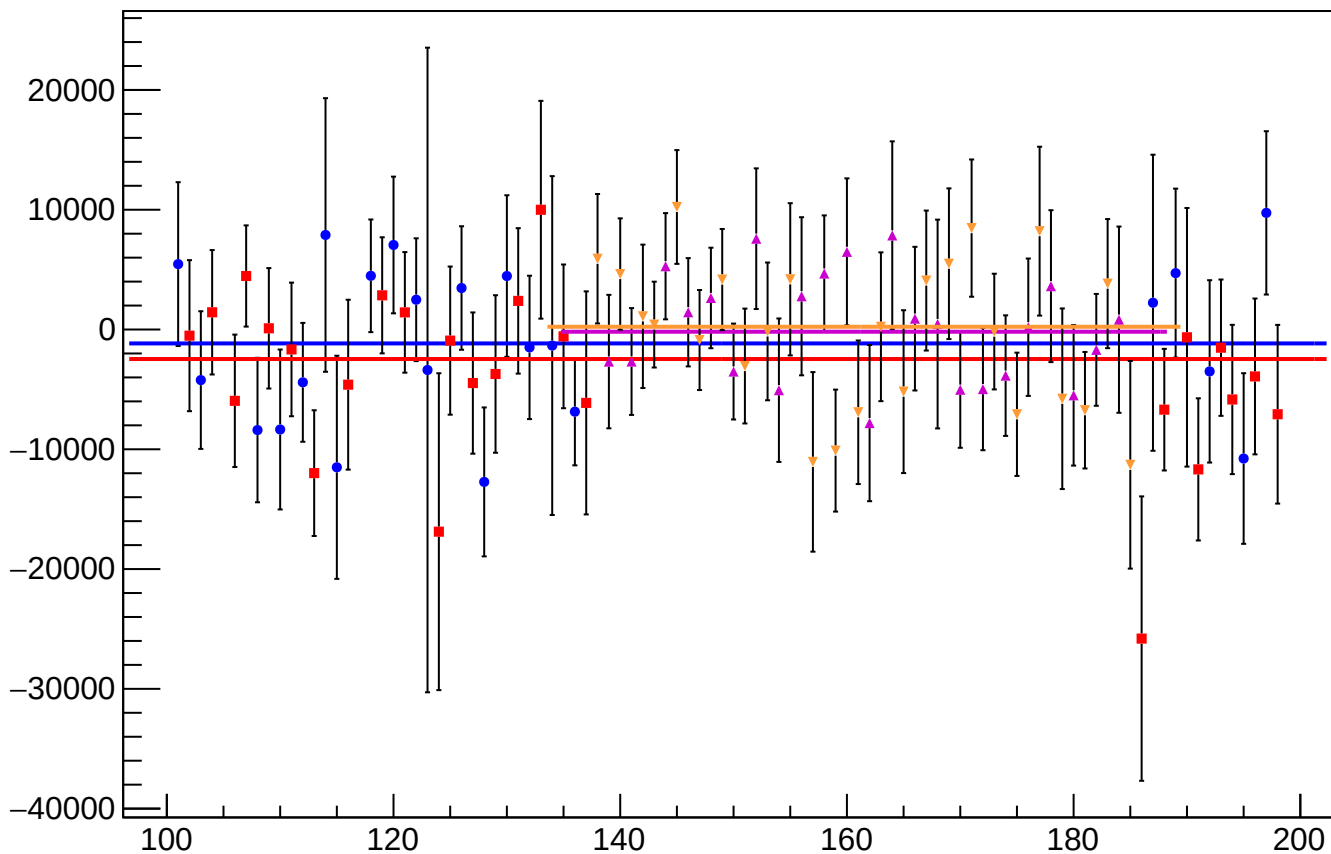
asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 5289.237+/-2.332 χ^2/NDF : 126142.0/4
 Left Out: 4026.447+/-0.700 χ^2/NDF : 3071265.0/24
 Right Out: 4438.980+/-1.501 χ^2/NDF : 1185319.4/7
 Left In: 4470.490+/-0.768 χ^2/NDF : 1132495.2/22

Left: 4227.952+/-0.517 χ^2/NDF : 4386588.9/47
 Right: 4688.071+/-1.262 χ^2/NDF : 1405480.8/12
 In: 4550.530+/-0.729 χ^2/NDF : 1369885.9/27
 Out: 4100.077+/-0.634 χ^2/NDF : 4318649.2/32
 All: 4294.079+/-0.478 χ^2/NDF : 5905891.0/60

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1161.154 ± 1373.471 $\chi^2/\text{NDF}: 22.0/21$

Left Out: 229.897 ± 1073.528 $\chi^2/\text{NDF}: 28.1/24$

Right Out: -2463.257 ± 1191.599 $\chi^2/\text{NDF}: 21.1/25$

Left In: -185.280 ± 1119.296 $\chi^2/\text{NDF}: 14.3/22$

Left: 30.970 ± 774.774 $\chi^2/\text{NDF}: 42.5/47$

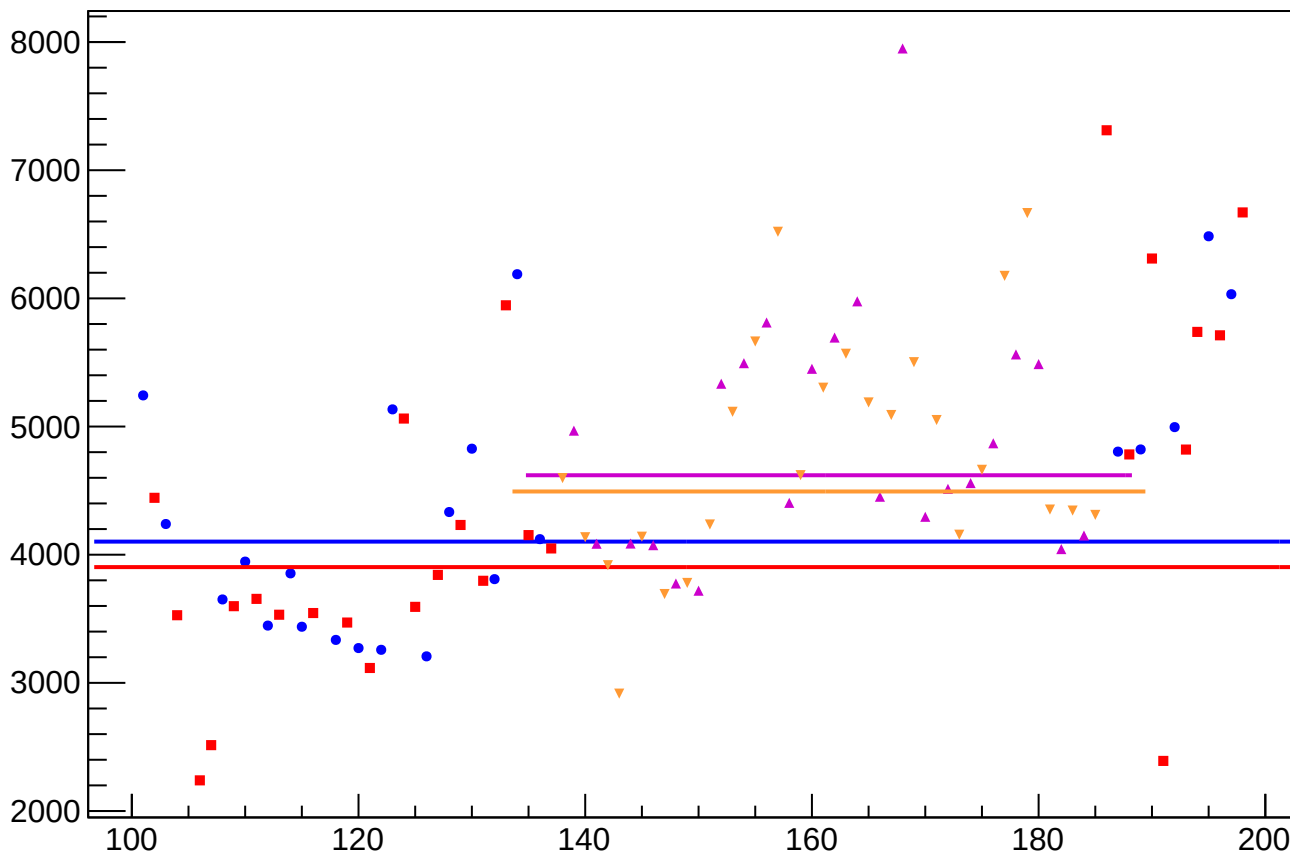
Right: -1904.067 ± 900.070 $\chi^2/\text{NDF}: 43.6/47$

In: -574.736 ± 867.664 $\chi^2/\text{NDF}: 36.5/44$

Out: -976.679 ± 797.585 $\chi^2/\text{NDF}: 52.1/50$

All: -792.593 ± 587.192 $\chi^2/\text{NDF}: 88.7/95$

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 4102.159+/-0.971 χ^2/NDF : 841223.0/21

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

Right Out: 3903.238+/-0.837 χ^2/NDF : 1807894.0/25

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

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

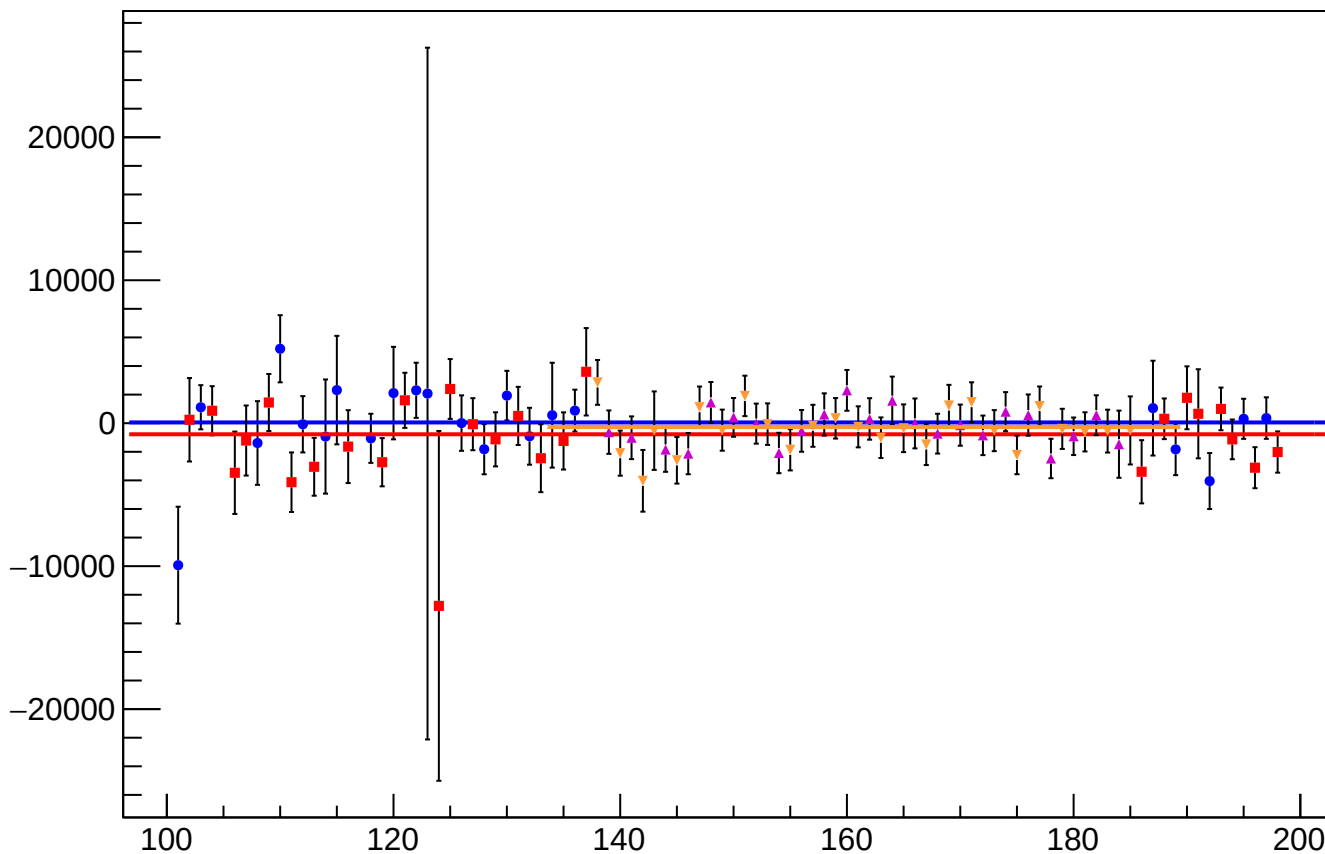
Right: 3988.001+/-0.634 χ^2/NDF : 2673193.7/47

In: 4413.304+/-0.614 χ^2/NDF : 2014005.2/44

Out: 4226.954+/-0.562 χ^2/NDF : 3389787.7/50

All: 4312.017+/-0.415 χ^2/NDF : 5453936.3/95

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 53.893 ± 437.311 χ^2/NDF : 22.6/21

Left Out: -270.523 ± 302.030 χ^2/NDF : 22.2/24

Right Out: -774.468 ± 384.118 χ^2/NDF : 24.9/25

Left In: -258.285 ± 305.289 χ^2/NDF : 16.0/22

Left: -264.470 ± 214.711 χ^2/NDF : 38.2/47

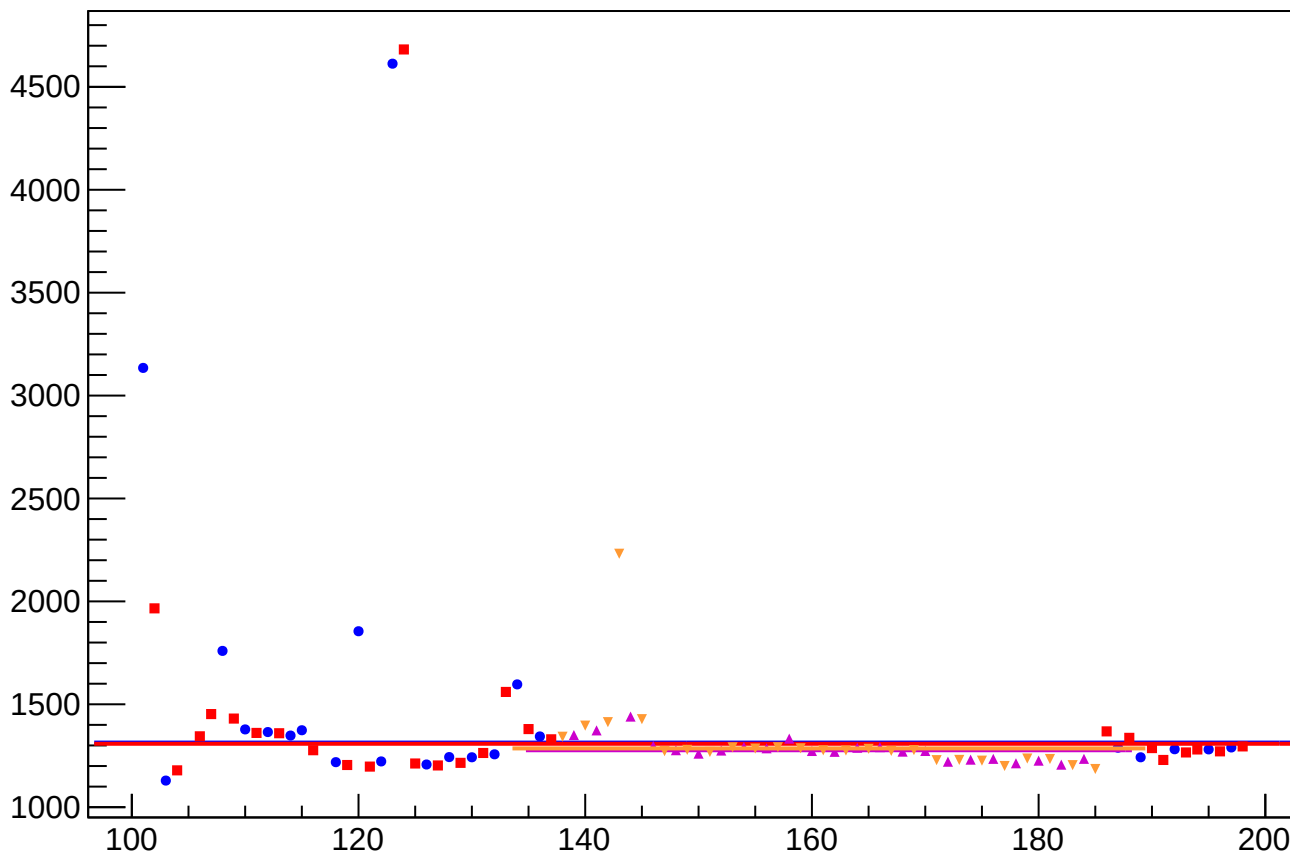
Right: -413.706 ± 288.597 χ^2/NDF : 49.5/47

In: -155.996 ± 250.325 χ^2/NDF : 39.0/44

Out: -463.056 ± 237.425 χ^2/NDF : 48.1/50

All: -317.642 ± 172.265 χ^2/NDF : 87.9/95

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1313.959 $\pm$ 0.309 χ^2 /NDF: 610975.8/21

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

Right Out: 1308.204 $\pm$ 0.272 χ^2 /NDF: 346256.1/25

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

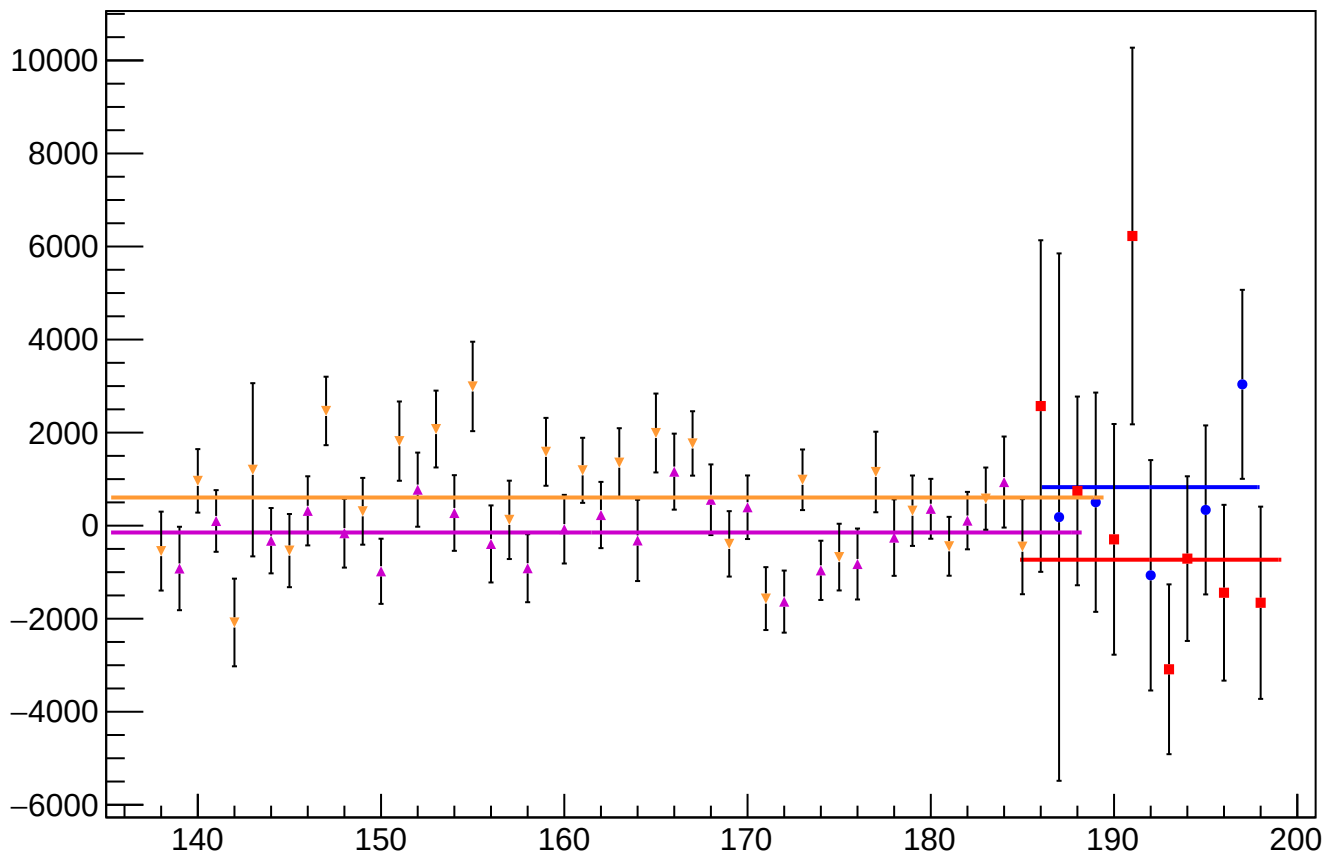
Right: 1310.710 $\pm$ 0.204 χ^2 /NDF: 957427.5/47

In: 1288.945 $\pm$ 0.177 χ^2 /NDF:680142.1/44

Out: 1294.220 $\pm$ 0.168 χ^2 /NDF:656603.1/50

All: 1291.722 $\pm$ 0.122 χ^2 /NDF: 1337212.7/95

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 827.554 $\pm$ 1042.728 χ^2 /NDF: 1.9/4

Left Out: 605.167 $\pm$ 153.922 χ^2 /NDF:60.0/24

Right Out: -731.934 $\pm$ 771.645 χ^2 /NDF: 6.4/7

Left In: -147.044 $\pm$ 154.051 χ^2 /NDF:19.4/22

Left: 229.377 $\pm$ 108.885 χ^2 /NDF: 91.3/47

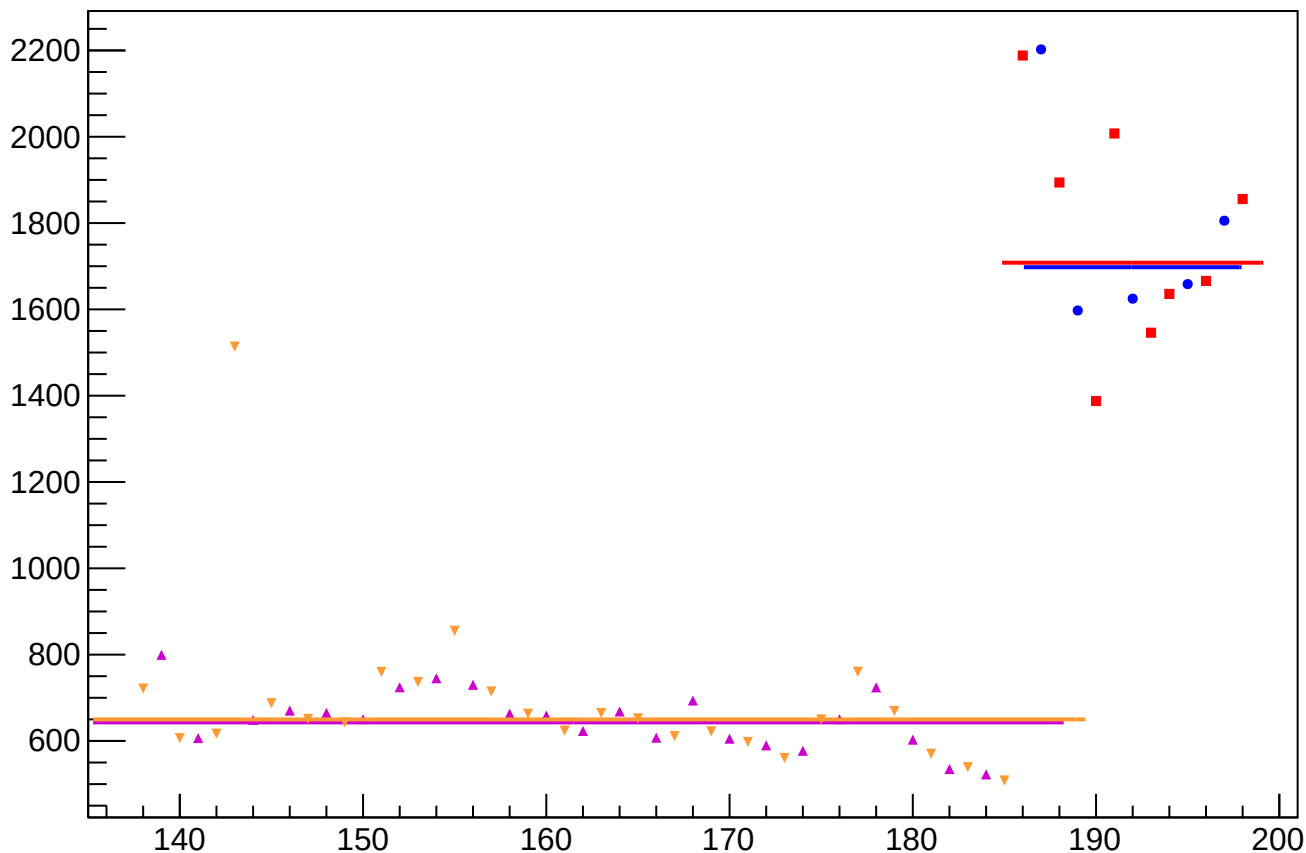
Right: -180.104 $\pm$ 620.273 χ^2 /NDF: 9.7/12

In: -126.226 $\pm$ 152.397 χ^2 /NDF:22.1/27

Out: 554.000 $\pm$ 150.948 χ^2 /NDF:69.2/32

All: 217.136 $\pm$ 107.245 χ^2 /NDF: 101.4/60

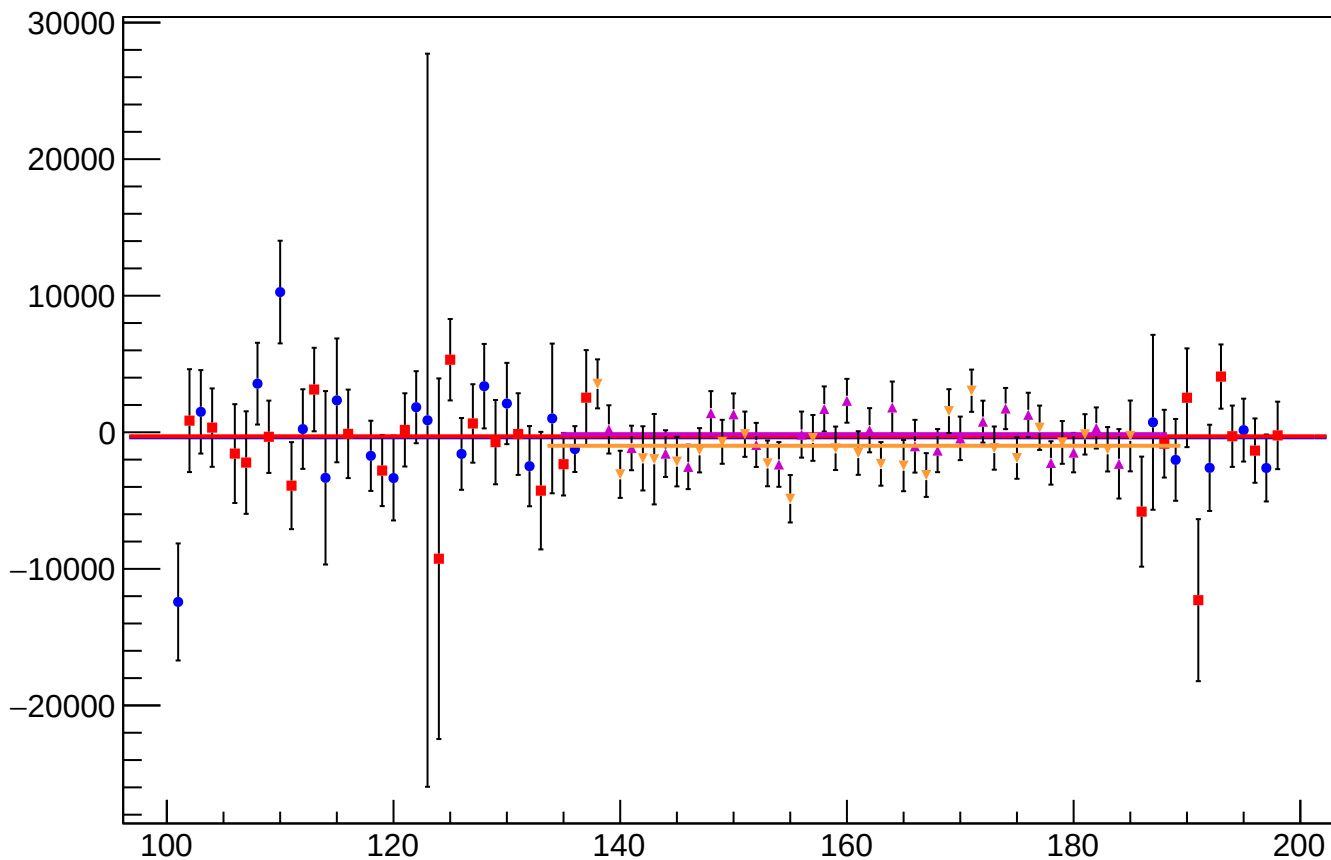
asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 1697.709+/-0.737 χ^2/NDF : 27773.3/4
 Left Out: 649.866+/-0.109 χ^2/NDF : 840823.5/24
 Right Out: 1708.159+/-0.546 χ^2/NDF : 127813.0/7
 Left In: 643.008+/-0.109 χ^2/NDF : 323844.6/22

Left: 646.440+/-0.077 χ^2/NDF : 1166651.7/47
 Right: 1704.461+/-0.439 χ^2/NDF : 155716.1/12
 In: 665.537+/-0.108 χ^2/NDF : 2354104.3/27
 Out: 690.364+/-0.107 χ^2/NDF : 4586574.2/32
 All: 678.069+/-0.076 χ^2/NDF : 6967470.9/60

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -366.906 ± 646.454 $\chi^2/\text{NDF}: 25.5/21$

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

Right Out: -293.902 ± 586.705 $\chi^2/\text{NDF}: 20.7/25$

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

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

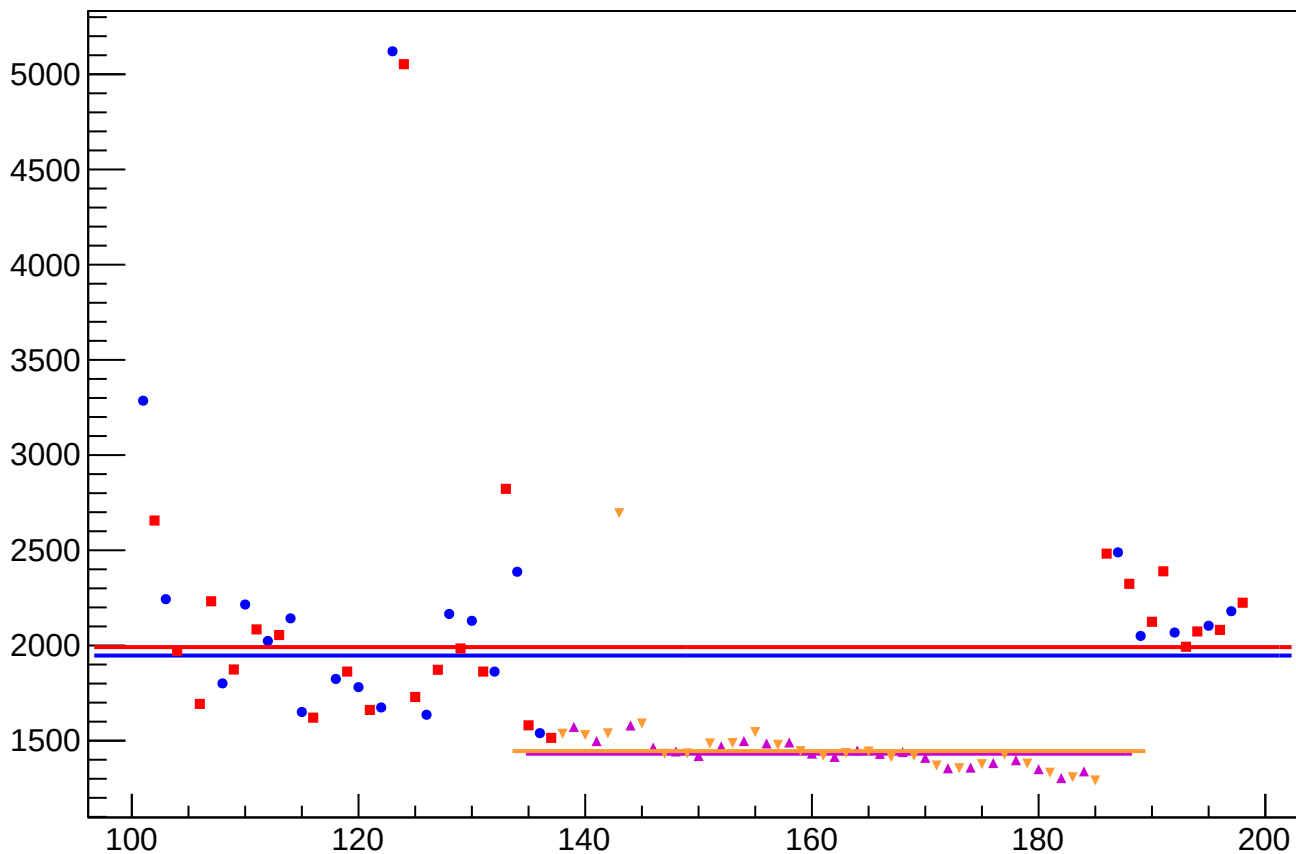
Right: -326.875 ± 434.454 $\chi^2/\text{NDF}: 46.2/47$

In: -187.945 ± 302.483 $\chi^2/\text{NDF}: 44.4/44$

Out: -813.126 ± 294.016 $\chi^2/\text{NDF}: 50.3/50$

All: -509.408 ± 210.830 $\chi^2/\text{NDF}: 96.9/95$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1947.170+/-0.457 χ^2/NDF : 525032.6/21

Left Out: 1445.418+/-0.240 χ^2/NDF : 374859.2/24

Right Out: 1991.638+/-0.415 χ^2/NDF : 559302.3/25

Left In: 1431.663+/-0.242 χ^2/NDF : 77792.5/22

Left: 1438.591+/-0.171 χ^2/NDF : 454278.6/47

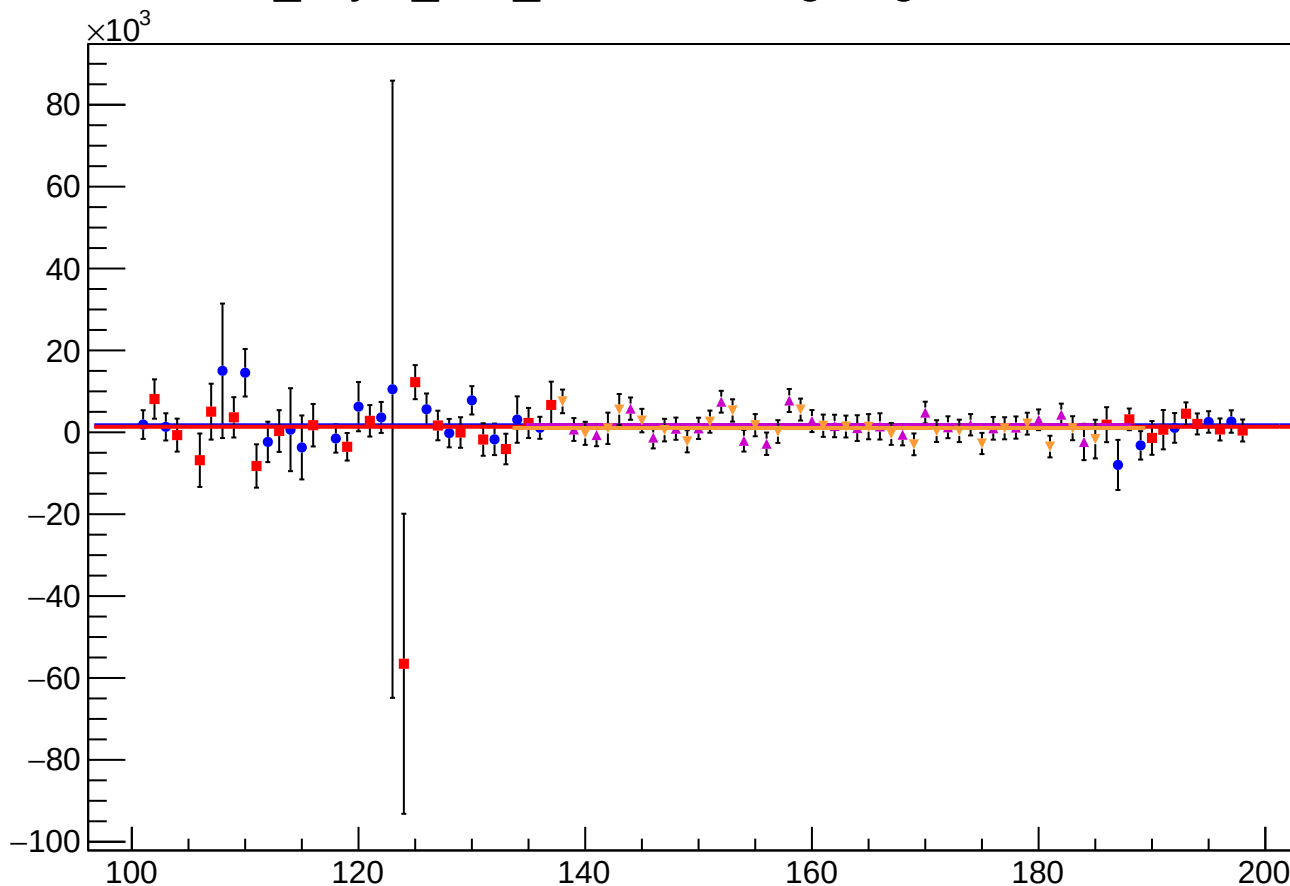
Right: 1971.553+/-0.307 χ^2/NDF : 1089524.1/47

In: 1544.529+/-0.214 χ^2/NDF : 1596195.1/44

Out: 1582.593+/-0.208 χ^2/NDF : 2232348.2/50

All: 1564.101+/-0.149 χ^2/NDF : 3844828.2/95

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1715.727 $\pm$ 848.405 χ^2 /NDF: 18.5/21

Left Out: 1057.276 $\pm$ 566.243 χ^2 /NDF:22.7/24

Right Out: 1352.738 $\pm$ 752.959 χ^2 /NDF: 25.6/25

Left In: 1762.122 $\pm$ 574.660 χ^2 /NDF:23.2/22

Left: 1404.499 $\pm$ 403.337 χ^2 /NDF: 46.7/47

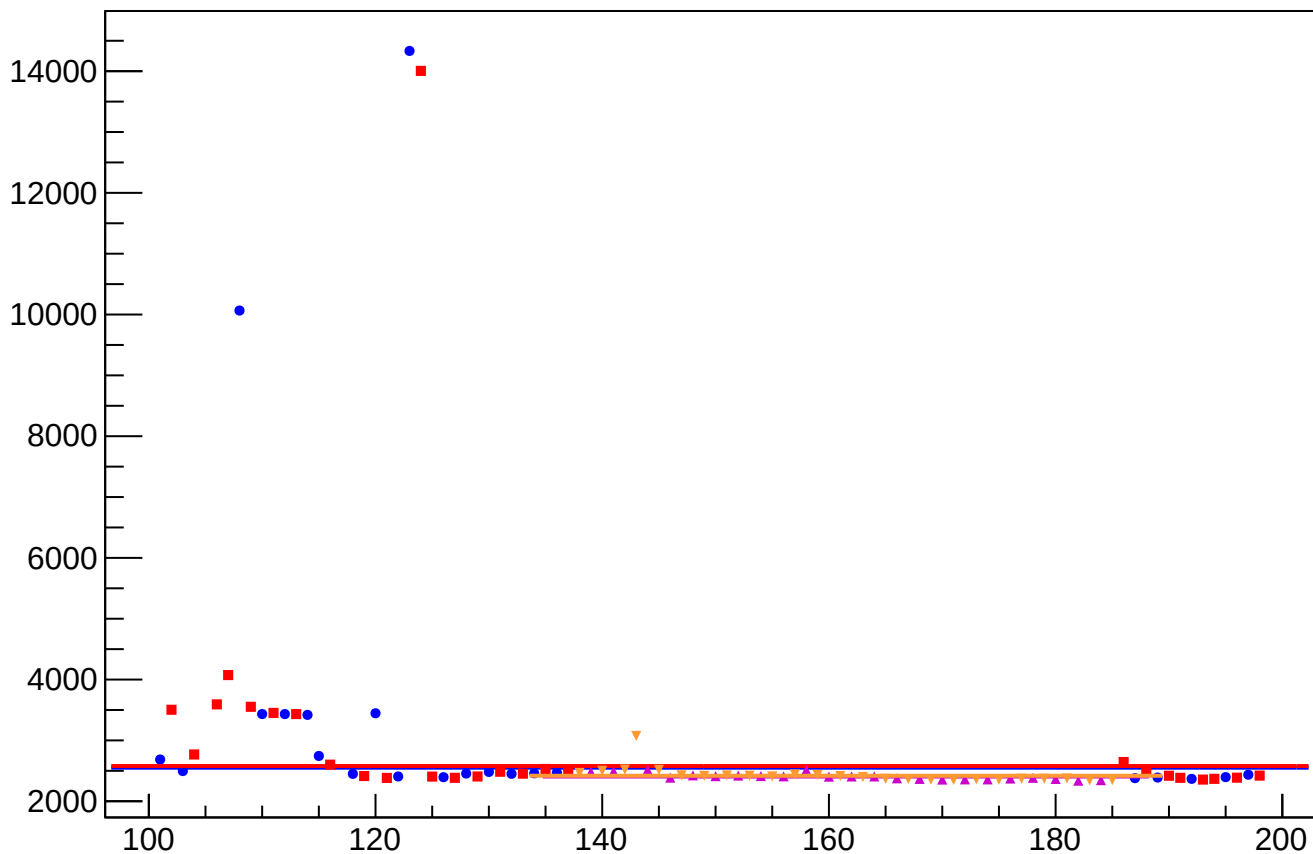
Right: 1512.674 $\pm$ 563.157 χ^2 /NDF: 44.2/47

In: 1747.531 $\pm$ 475.789 χ^2 /NDF:41.8/44

Out: 1164.010 $\pm$ 452.554 χ^2 /NDF:48.3/50

All: 1441.175 $\pm$ 327.911 χ^2 /NDF: 90.9/95

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2551.937+/-0.600 χ^2/NDF : 676687.0/21

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

Right Out: 2578.301+/-0.532 χ^2/NDF : 686090.4/25

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

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

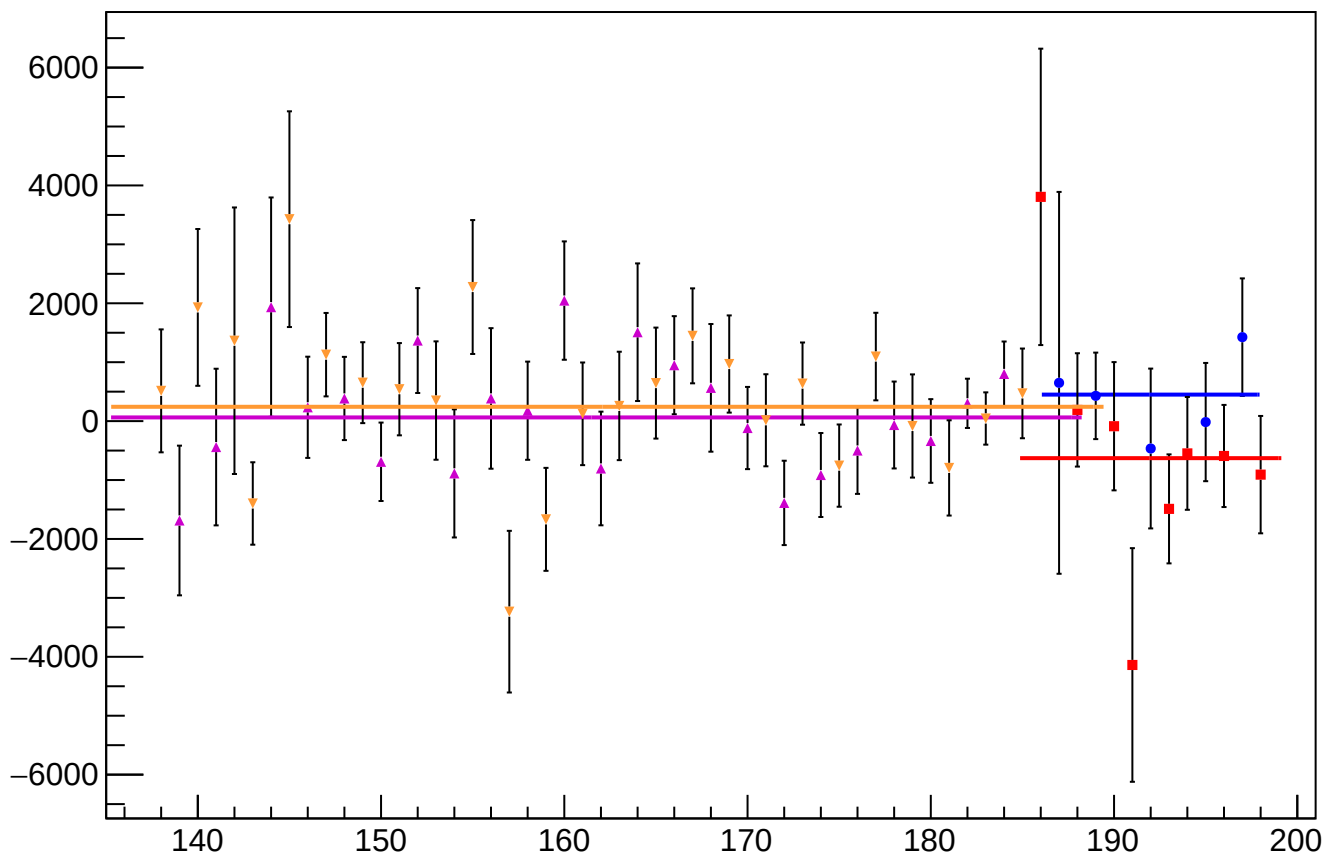
Right: 2566.685+/-0.398 χ^2/NDF : 1363857.7/47

In: 2452.201+/-0.336 χ^2/NDF : 732252.4/44

Out: 2476.528+/-0.320 χ^2/NDF : 818071.8/50

All: 2464.973+/-0.232 χ^2/NDF : 1553069.2/95

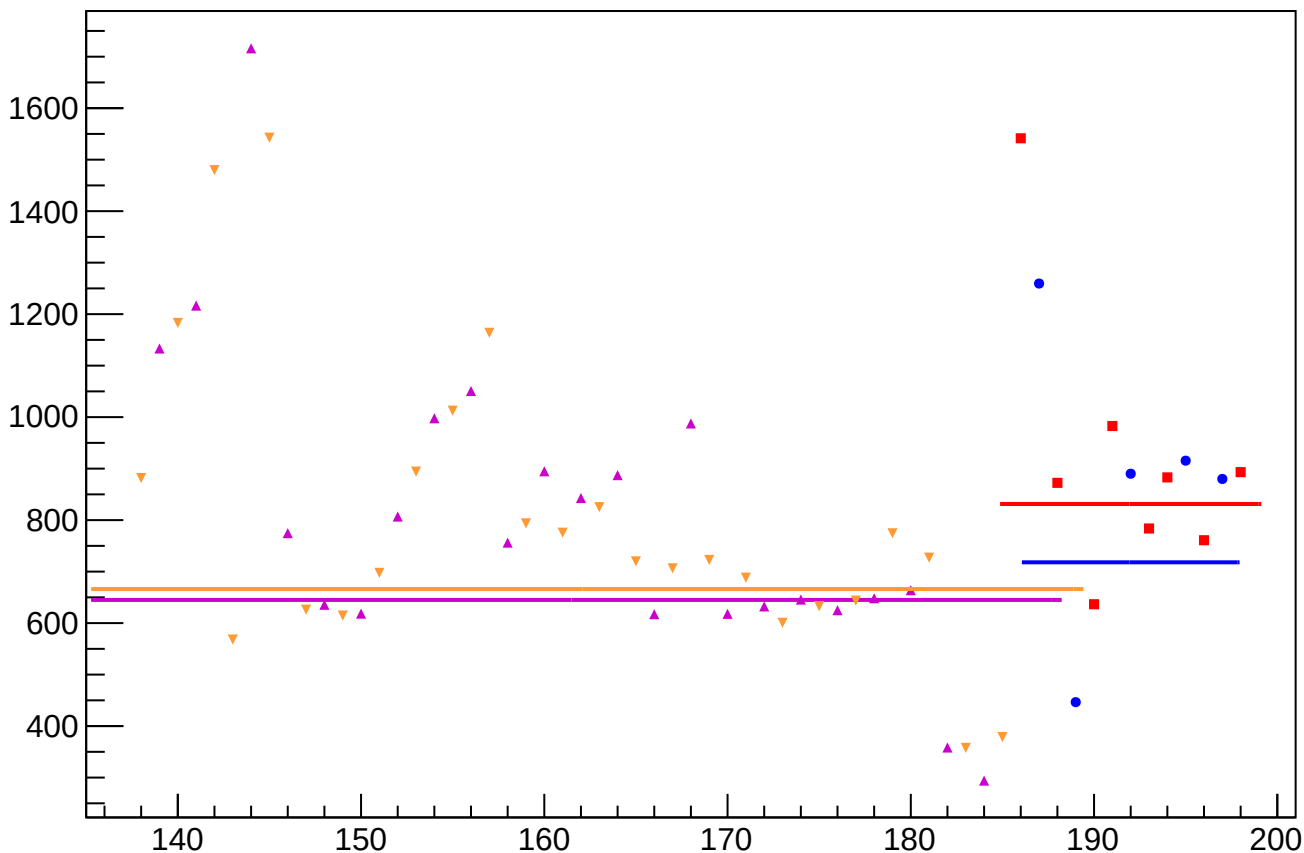
asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: 449.977 $\pm$ 471.752 χ^2/NDF : 1.6/4
 Left Out: 243.135 $\pm$ 163.940 χ^2/NDF :36.0/24
 Right Out: -628.604 $\pm$ 379.678 χ^2/NDF : 8.2/7
 Left In: 62.569 $\pm$ 164.169 χ^2/NDF :24.3/22

Left: 152.978 $\pm$ 116.004 χ^2/NDF : 60.9/47
 Right: -204.604 $\pm$ 295.781 χ^2/NDF : 13.0/12
 In: 104.418 $\pm$ 155.049 χ^2/NDF :26.5/27
 Out: 106.147 $\pm$ 150.509 χ^2/NDF :48.6/32
 All: 105.308 $\pm$ 107.995 χ^2/NDF : 75.1/60

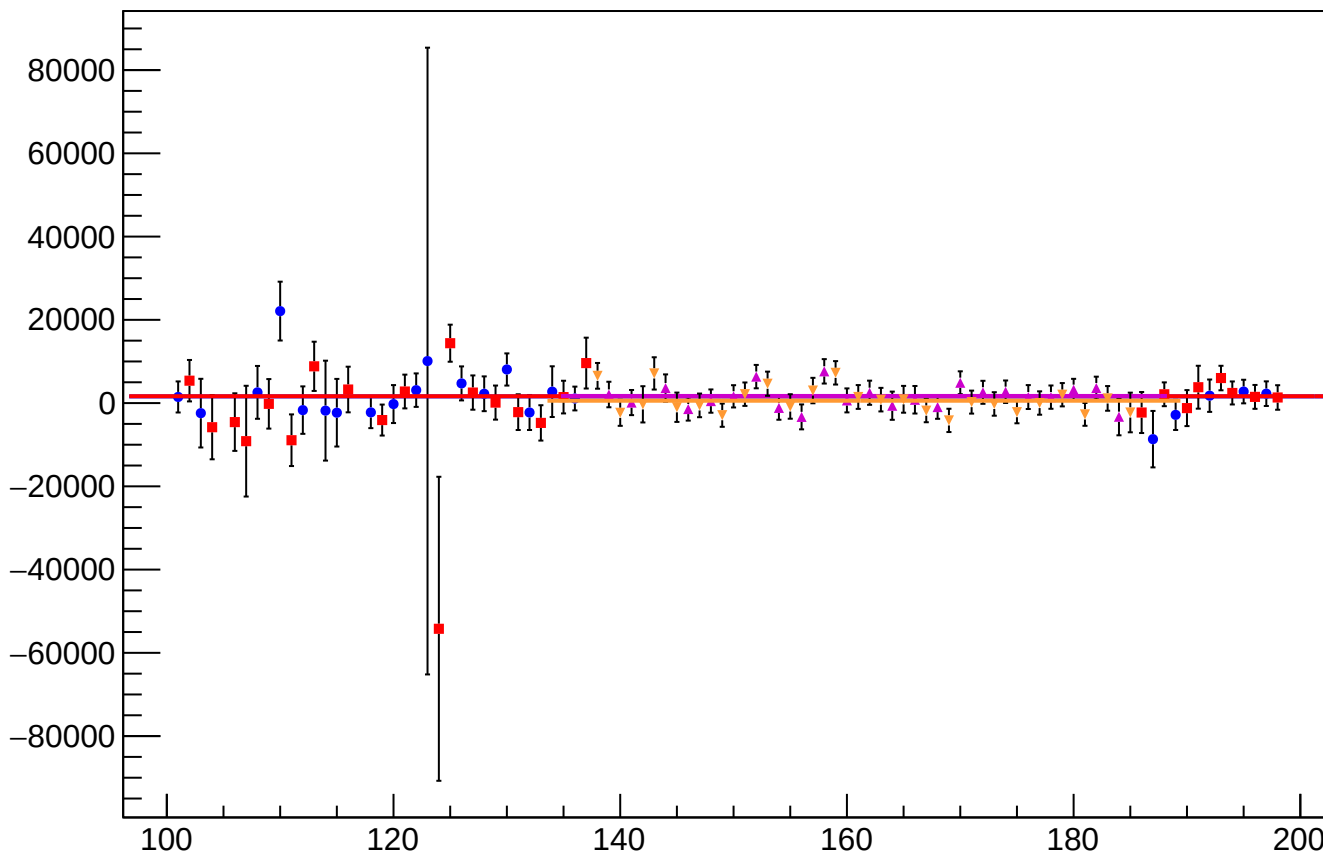
asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 718.029 $\pm$ 0.334 χ^2/NDF : 491844.0/4
 Left Out: 666.133 $\pm$ 0.116 χ^2/NDF : 3190574.7/24
 Right Out: 831.340 $\pm$ 0.268 χ^2/NDF : 270806.5/7
 Left In: 645.011 $\pm$ 0.116 χ^2/NDF : 4176295.6/22

Left: 655.587 $\pm$ 0.082 χ^2/NDF : 7383446.0/47
 Right: 786.796 $\pm$ 0.209 χ^2/NDF : 832676.7/12
 In: 652.899 $\pm$ 0.110 χ^2/NDF : 4710877.2/27
 Out: 692.094 $\pm$ 0.106 χ^2/NDF : 3780543.6/32
 All: 673.079 $\pm$ 0.076 χ^2/NDF : 8557223.5/60

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1603.431 $\pm$ 929.737 χ^2 /NDF: 19.0/21

Left Out: 566.778 $\pm$ 598.308 χ^2 /NDF: 25.2/24

Right Out: 1647.446 $\pm$ 832.859 χ^2 /NDF: 29.0/25

Left In: 1713.317 $\pm$ 607.775 χ^2 /NDF: 18.1/22

Left: 1131.048 $\pm$ 426.375 χ^2 /NDF: 45.0/47

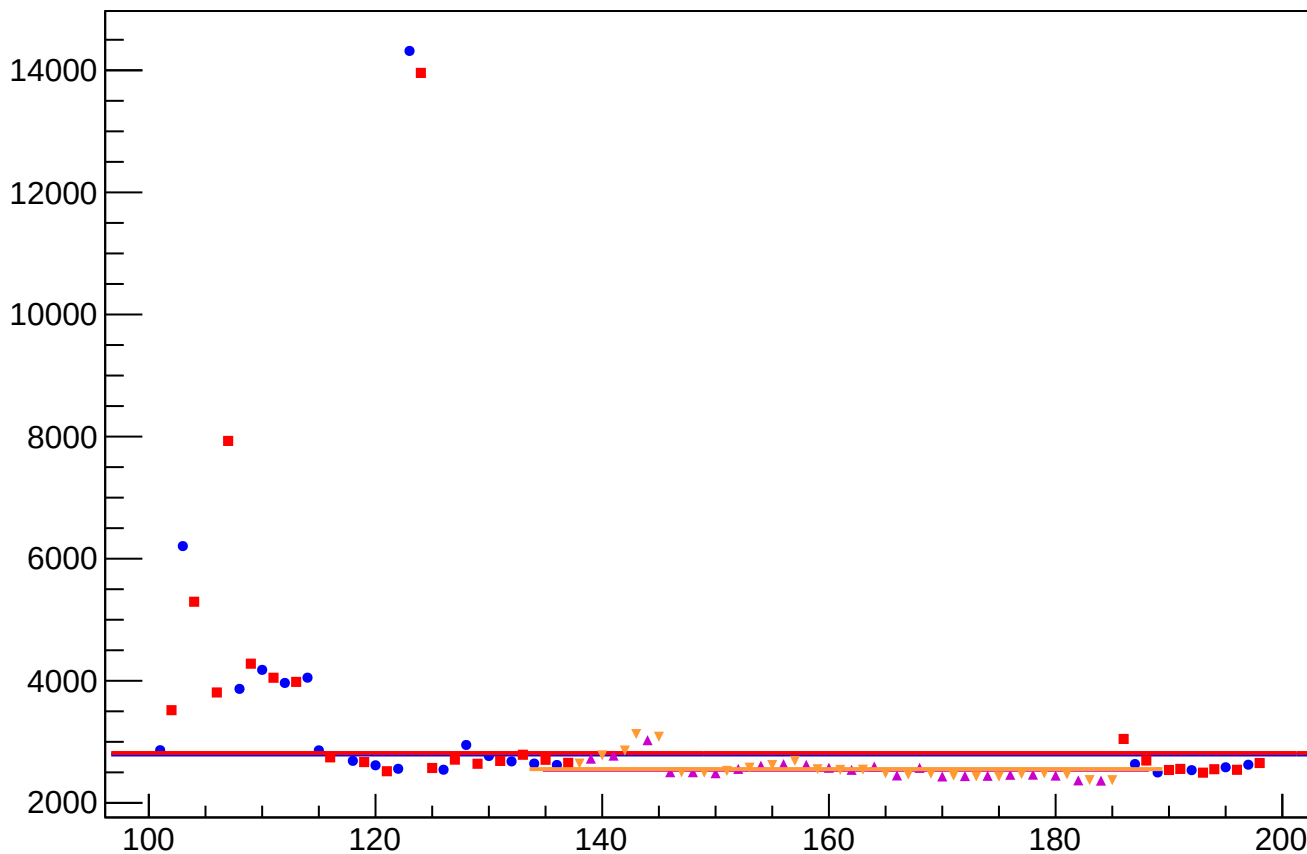
Right: 1627.850 $\pm$ 620.353 χ^2 /NDF: 48.0/47

In: 1680.418 $\pm$ 508.722 χ^2 /NDF: 37.0/44

Out: 934.636 $\pm$ 485.921 χ^2 /NDF: 55.3/50

All: 1290.440 $\pm$ 351.382 χ^2 /NDF: 93.5/95

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2793.070+/-0.657 χ^2/NDF : 702742.1/21

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

Right Out: 2816.912+/-0.589 χ^2/NDF : 1165155.5/25

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

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

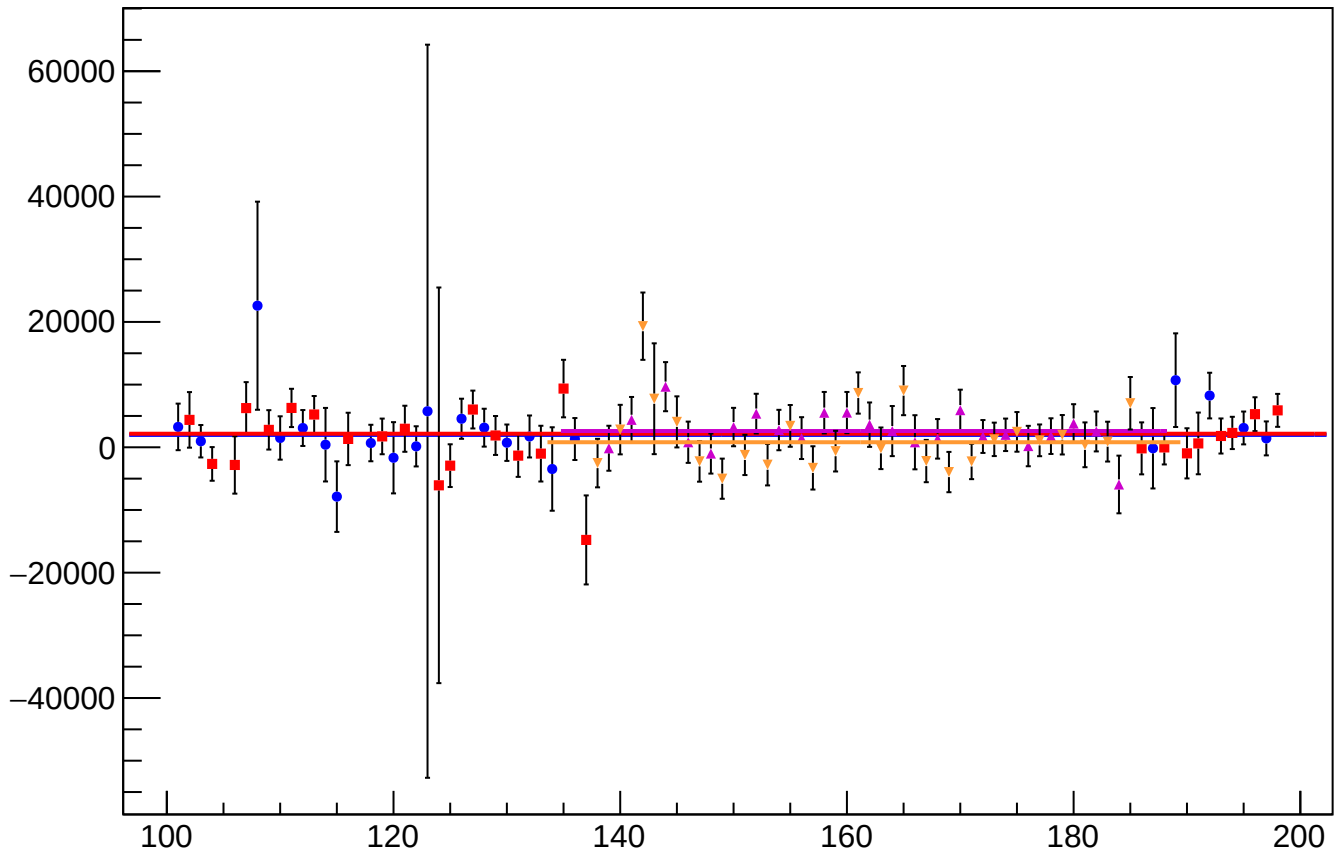
Right: 2806.297+/-0.439 χ^2/NDF : 1868627.3/47

In: 2617.133+/-0.360 χ^2/NDF : 902203.2/44

Out: 2642.899+/-0.344 χ^2/NDF : 1445949.6/50

All: 2630.606+/-0.248 χ^2/NDF : 2350835.5/95

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1976.055+/-775.028 χ^2/NDF : 12.4/21

Left Out: 807.297+/-677.513 χ^2/NDF : 39.1/24

Right Out: 2162.400+/-668.513 χ^2/NDF : 27.4/25

Left In: 2595.551+/-683.824 χ^2/NDF : 14.0/22

Left: 1693.134+/-481.290 χ^2/NDF : 56.6/47

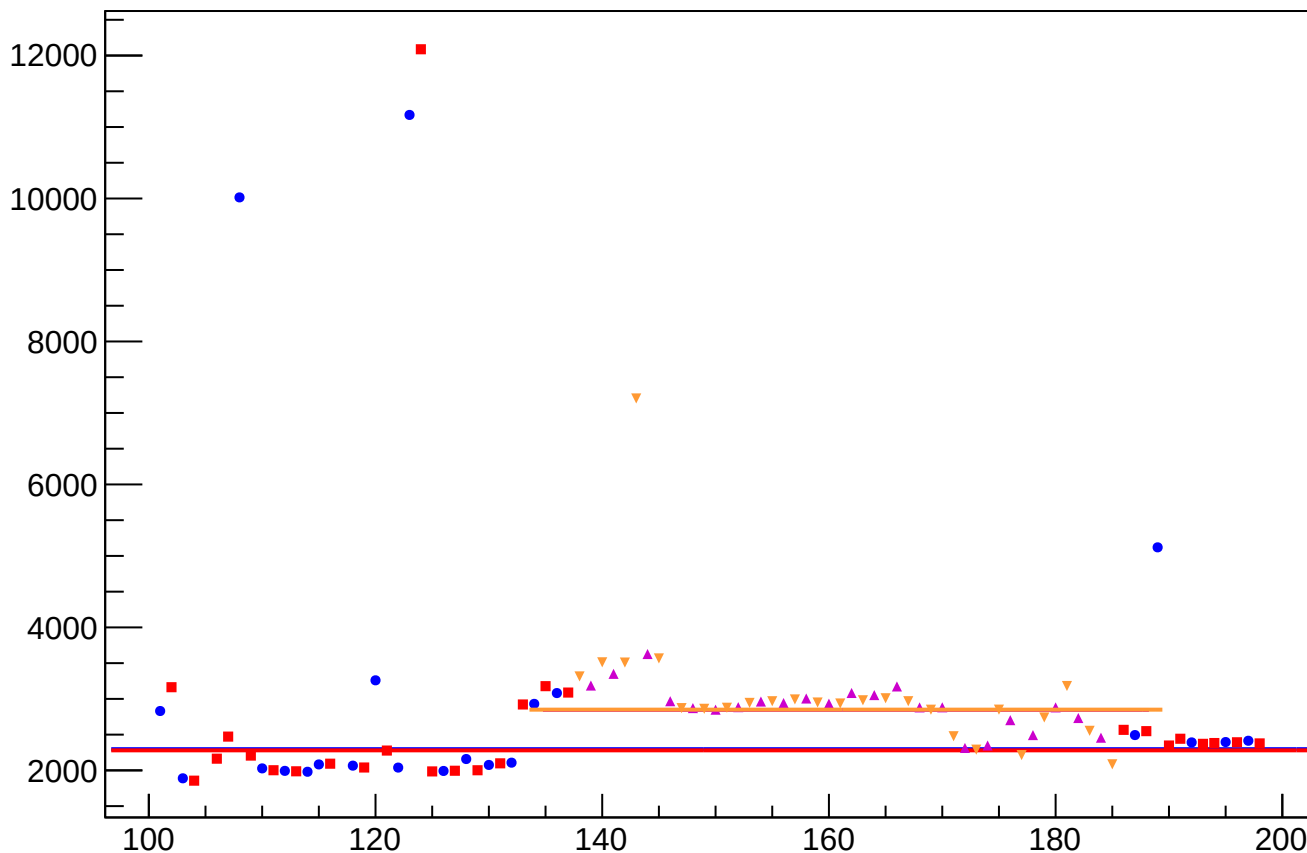
Right: 2082.903+/-506.214 χ^2/NDF : 39.8/47

In: 2324.382+/-512.765 χ^2/NDF : 26.8/44

Out: 1493.910+/-475.860 χ^2/NDF : 68.5/50

All: 1878.187+/-348.802 χ^2/NDF : 96.7/95

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2296.677 ± 0.548 $\chi^2/\text{NDF}: 1159467.1/21$

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

Right Out: 2280.274 ± 0.472 $\chi^2/\text{NDF}: 625895.6/25$

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

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

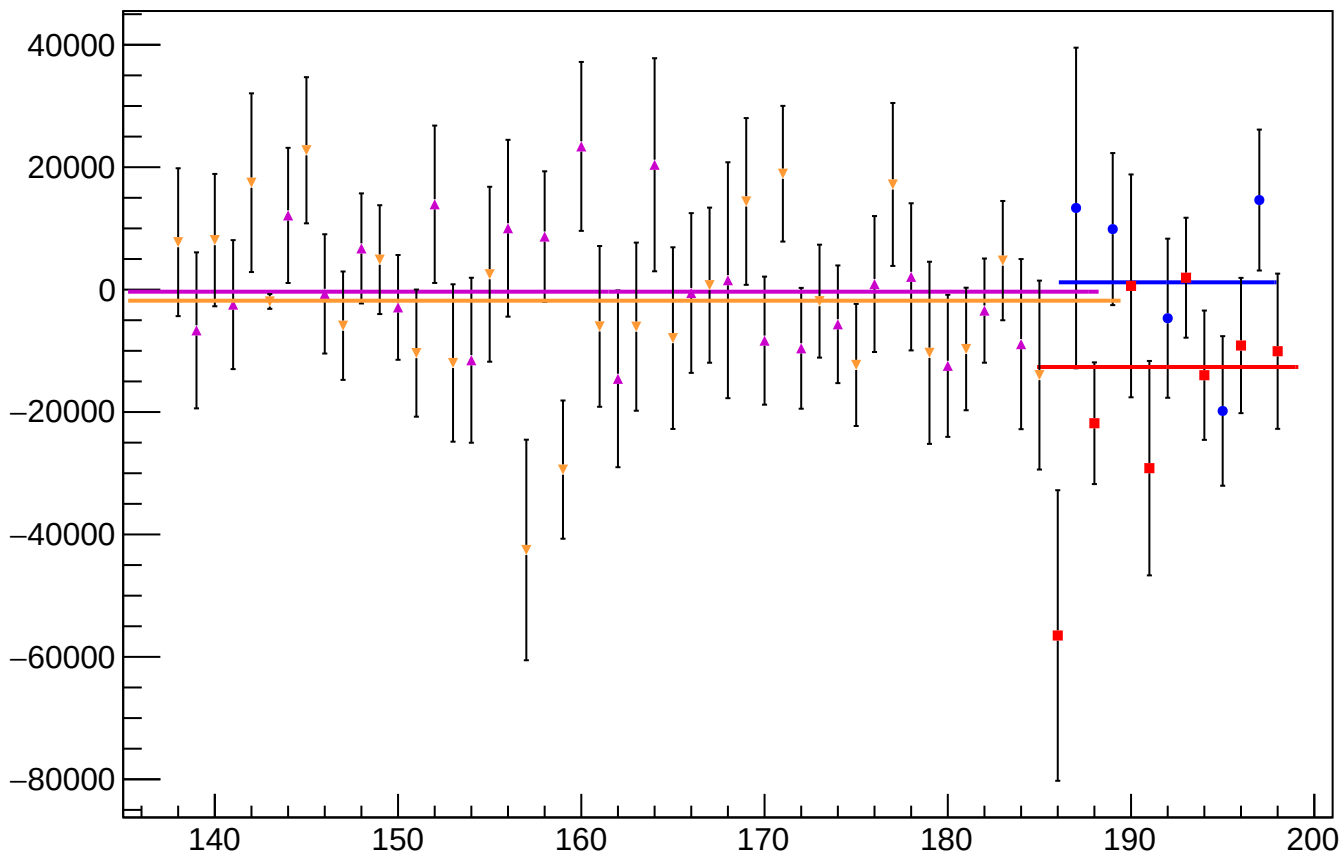
Right: 2287.268 ± 0.358 $\chi^2/\text{NDF}: 1785876.6/47$

In: 2604.860 ± 0.363 $\chi^2/\text{NDF}: 2105670.5/44$

Out: 2560.833 ± 0.336 $\chi^2/\text{NDF}: 2375401.4/50$

All: 2581.200 ± 0.247 $\chi^2/\text{NDF}: 4488995.6/95$

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: 1193.482 $\pm$ 5965.320 χ^2/NDF : 5.2/4

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

Right Out: -12641.976 $\pm$ 4387.159 χ^2/NDF : 8.1/7

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

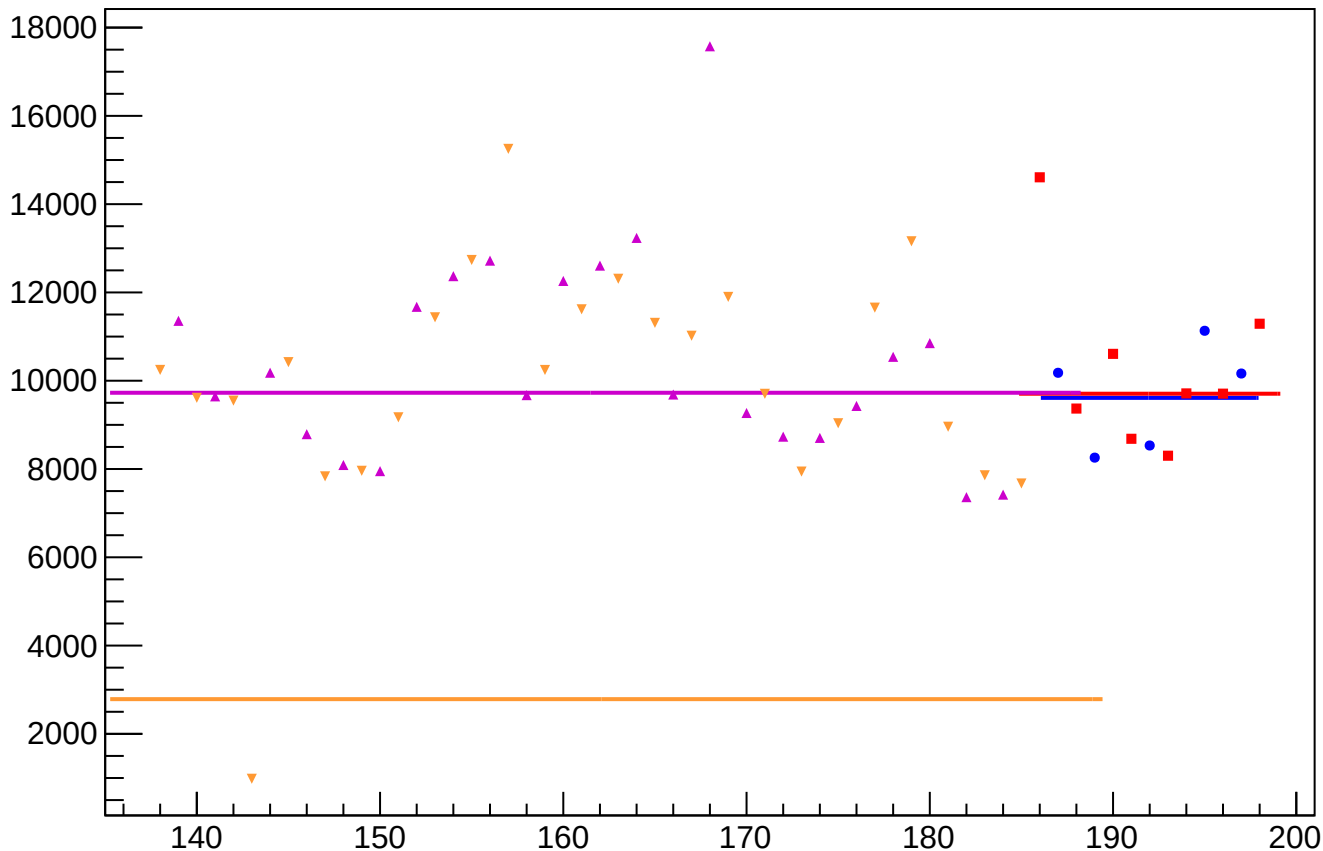
Right: -7785.463 $\pm$ 3534.266 χ^2/NDF : 16.8/12

In: -130.918 $\pm$ 2199.314 χ^2/NDF :19.5/27

Out: -2427.509 $\pm$ 1047.018 χ^2/NDF :45.0/32

All: -2003.182 $\pm$ 945.357 χ^2/NDF : 65.4/60

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 9611.864+/-4.218 χ^2/NDF : 74018.9/4

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

Right Out: 9705.629+/-3.102 χ^2/NDF : 171688.2/7

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

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

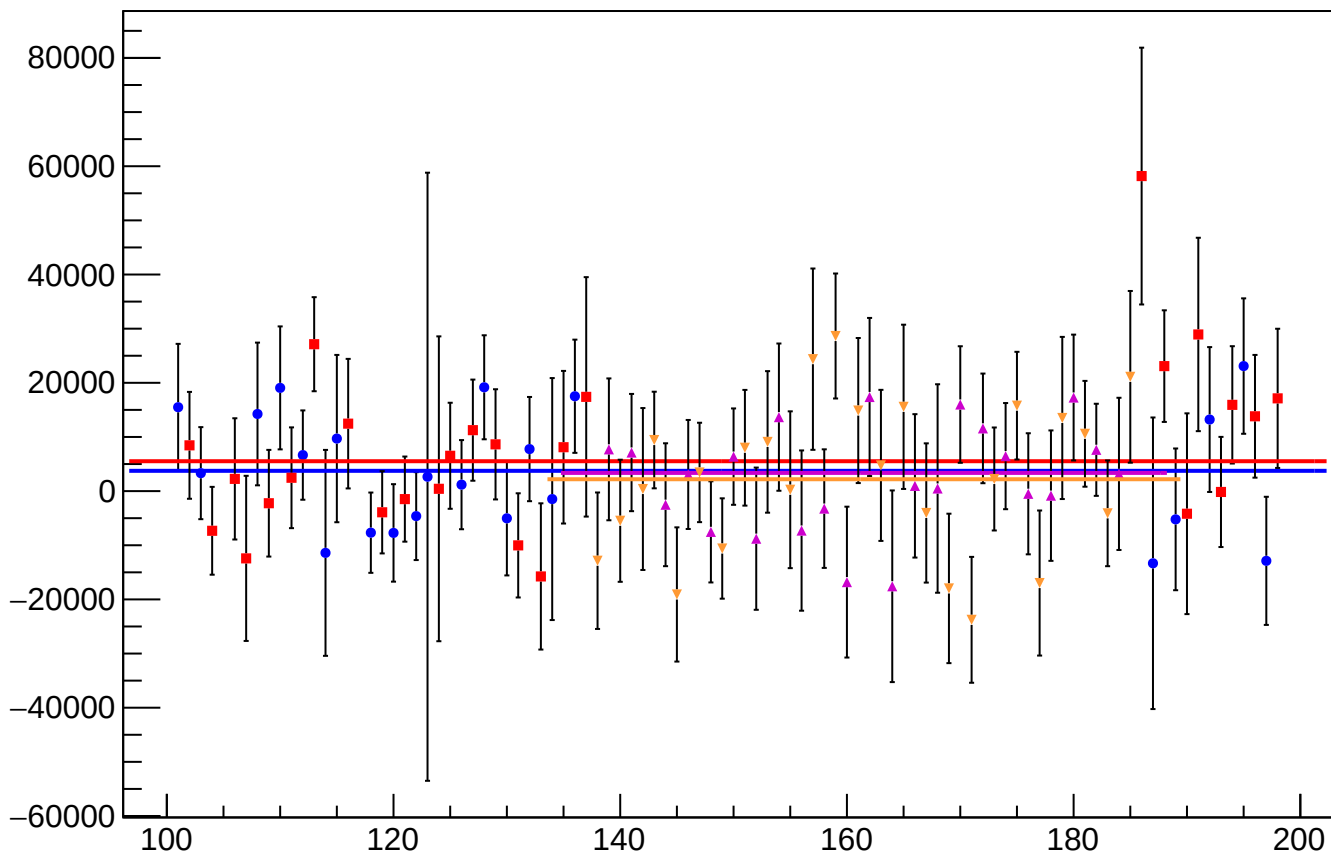
Right: 9672.715+/-2.499 χ^2/NDF : 246027.8/12

In: 9711.570+/-1.555 χ^2/NDF :1336072.2/27

Out: 3180.551+/-0.740 χ^2/NDF :27726136.5/32

All: 4387.249+/-0.668 χ^2/NDF : 43440281.8/6

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3746.488 $\pm$ 2323.539 χ^2/NDF : 20.5/21

Left Out: 2192.629 $\pm$ 2346.604 χ^2/NDF : 31.2/24

Right Out: 5521.089 $\pm$ 2137.760 χ^2/NDF : 32.0/25

Left In: 3362.489 $\pm$ 2413.842 χ^2/NDF : 12.8/22

Left: 2761.039 $\pm$ 1682.568 χ^2/NDF : 44.1/47

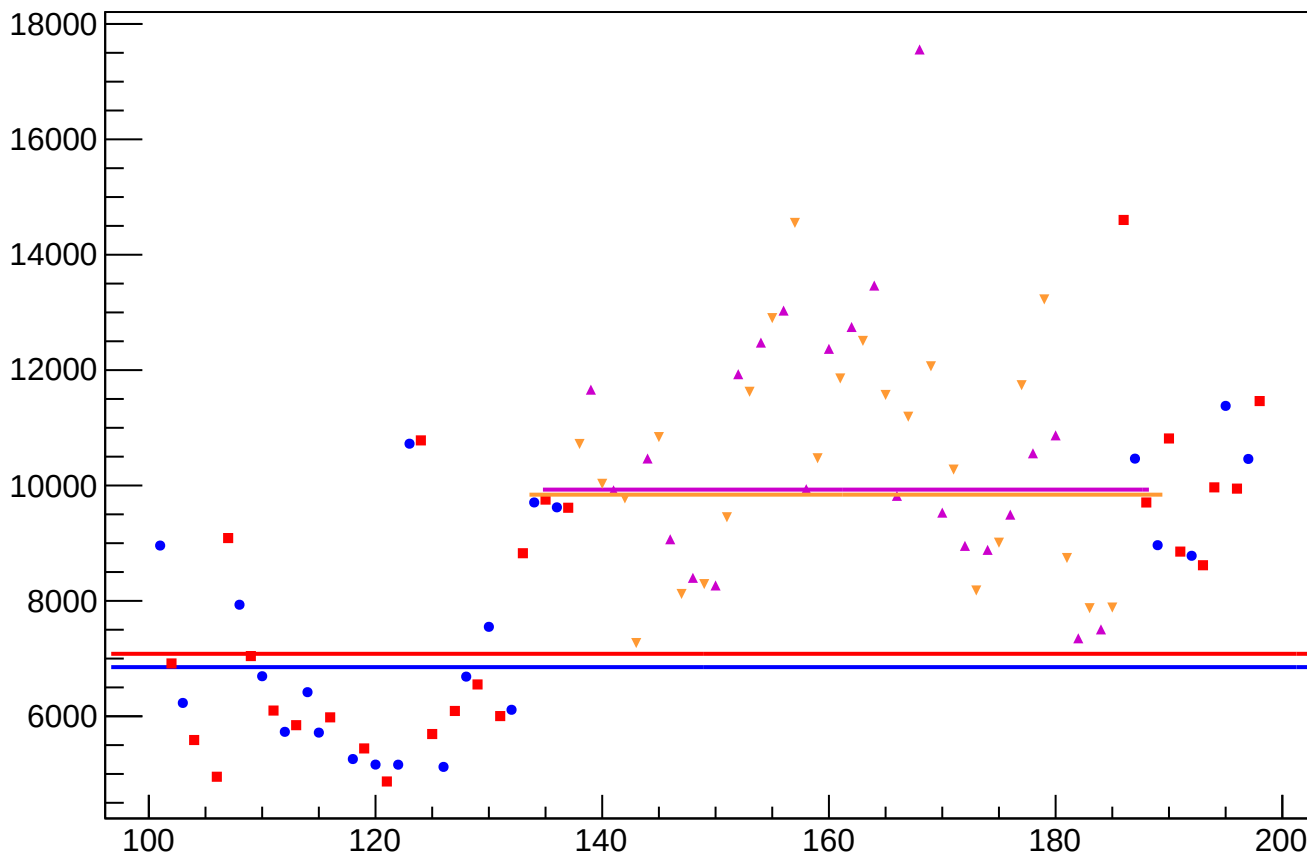
Right: 4707.559 $\pm$ 1573.209 χ^2/NDF : 52.8/47

In: 3561.805 $\pm$ 1674.004 χ^2/NDF : 33.3/44

Out: 4011.536 $\pm$ 1580.311 χ^2/NDF : 64.3/50

All: 3799.608 $\pm$ 1149.144 χ^2/NDF : 97.6/95

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6851.718+/-1.643 χ^2/NDF : 1257935.5/21

Left Out: 9841.227+/-1.659 χ^2/NDF : 1184767.7/24

Right Out: 7082.563+/-1.512 χ^2/NDF : 1745693.1/25

Left In: 9928.662+/-1.707 χ^2/NDF : 1220804.9/22

Left: 9883.710+/-1.190 χ^2/NDF : 2406921.7/47

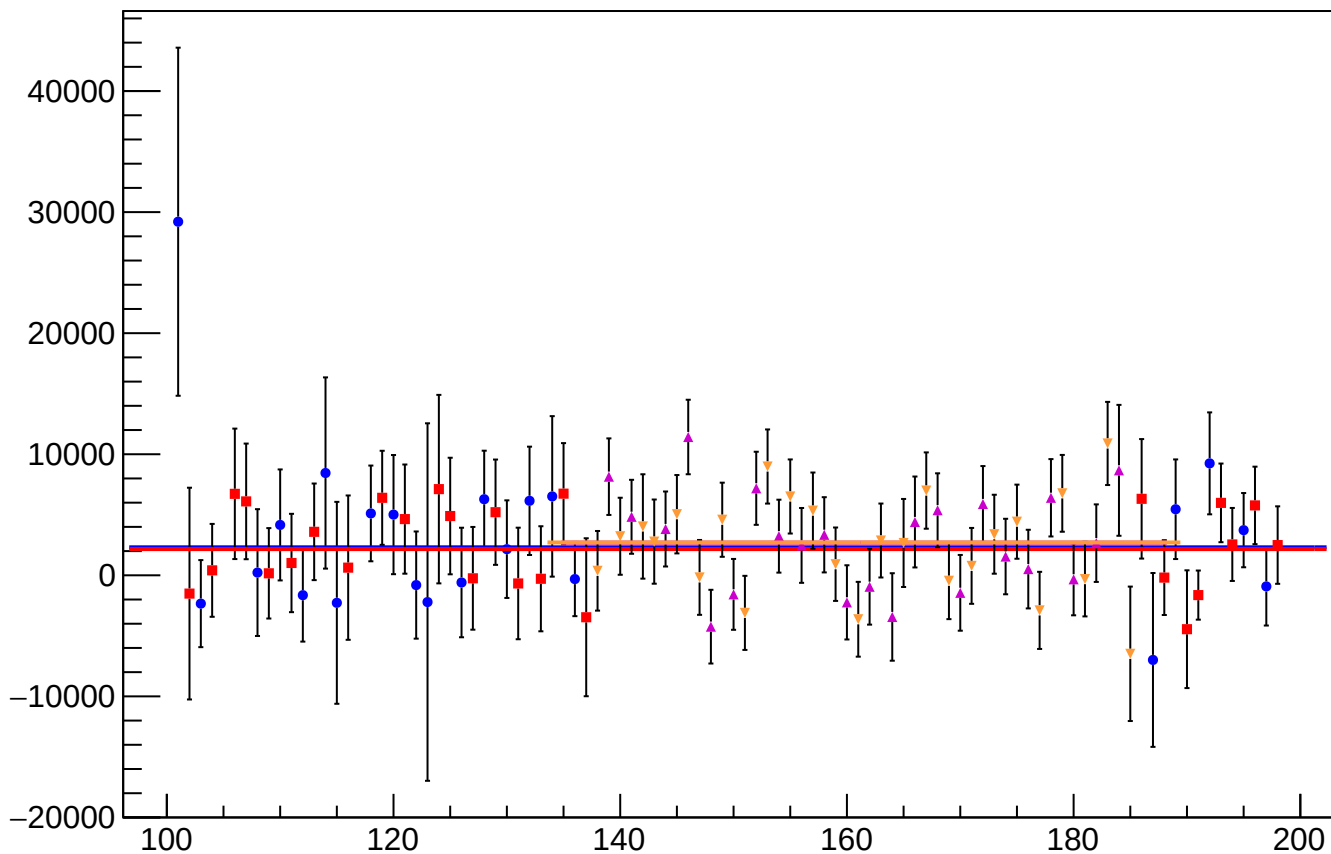
Right: 6976.740+/-1.112 χ^2/NDF : 3014320.2/47

In: 8331.553+/-1.184 χ^2/NDF : 4165552.0/44

Out: 8333.648+/-1.117 χ^2/NDF : 4440989.4/50

All: 8332.661+/-0.813 χ^2/NDF : 8606543.1/95

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2312.184 $\pm$ 947.363 χ^2 /NDF: 18.3/21

Left Out: 2712.564 $\pm$ 648.832 χ^2 /NDF:34.7/24

Right Out: 2166.007 $\pm$ 771.905 χ^2 /NDF: 17.4/25

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

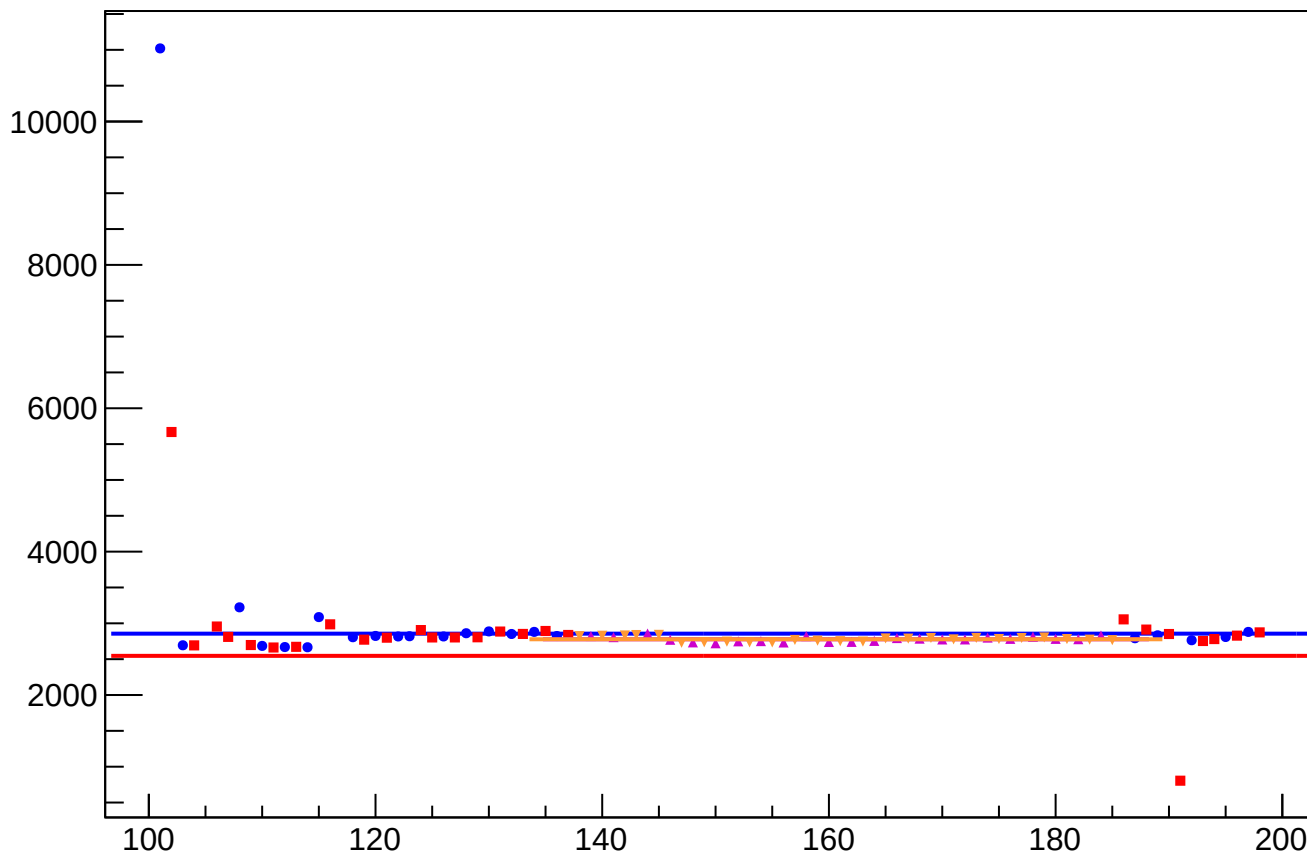
Right: 2224.331 $\pm$ 598.414 χ^2 /NDF: 35.7/47

In: 2571.139 $\pm$ 542.941 χ^2 /NDF:54.5/44

Out: 2486.279 $\pm$ 496.677 χ^2 /NDF:52.4/50

All: 2524.940 $\pm$ 366.470 χ^2 /NDF: 106.9/95

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2855.848 $\pm$ 0.670 χ^2 /NDF: 671919.0/21

Left Out: 2777.450 $\pm$ 0.459 χ^2 /NDF: 5253.1/24

Right Out: 2546.239 $\pm$ 0.546 χ^2 /NDF: 1956767.1/25

Left In: 2777.355 $\pm$ 0.468 χ^2 /NDF: 5488.7/22

Left: 2777.404 $\pm$ 0.328 χ^2 /NDF: 10741.8/47

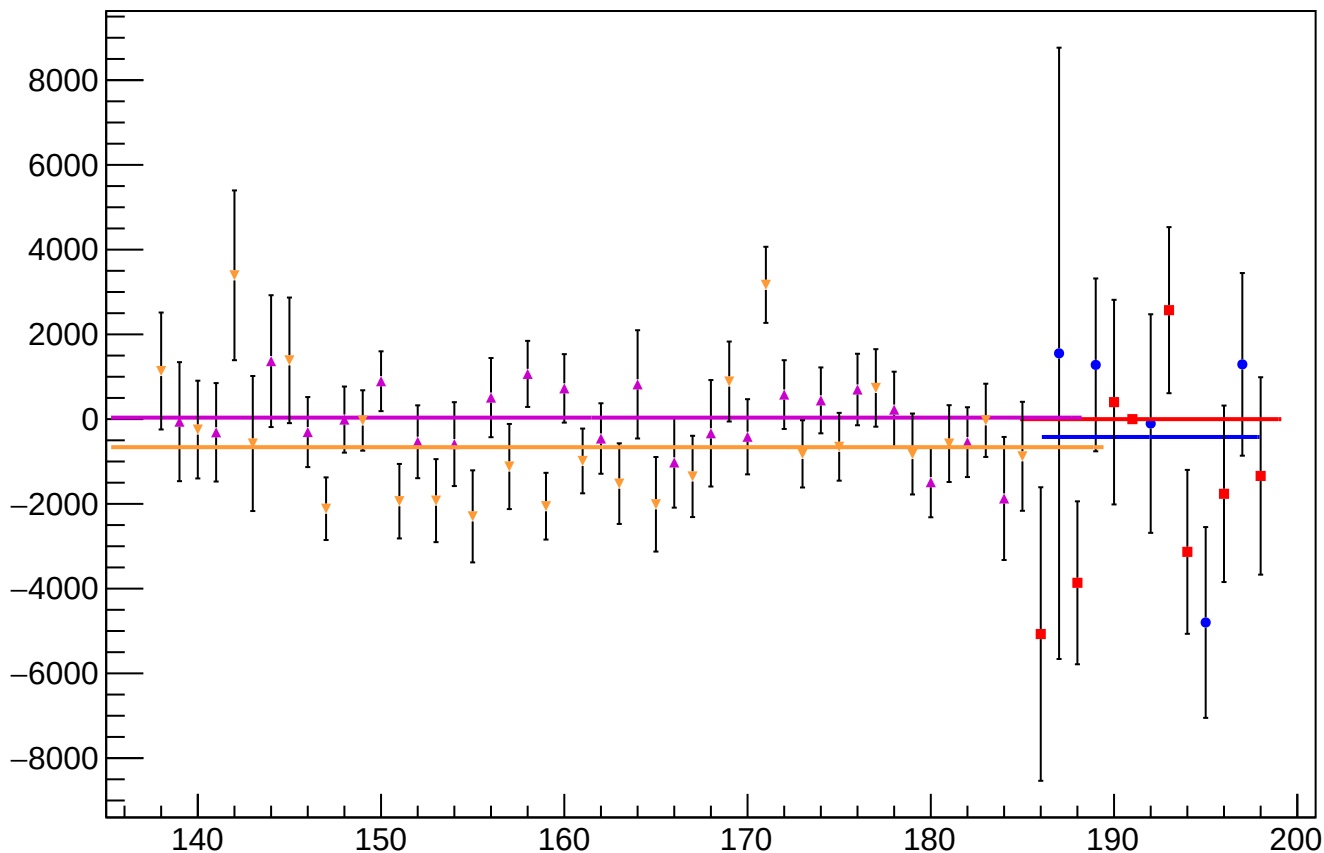
Right: 2669.772 $\pm$ 0.423 χ^2 /NDF: 2757066.8/47

In: 2803.136 $\pm$ 0.384 χ^2 /NDF: 686627.8/44

Out: 2681.724 $\pm$ 0.351 χ^2 /NDF: 2067169.1/50

All: 2737.038 $\pm$ 0.259 χ^2 /NDF: 2808243.9/95

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -421.398 ± 1102.632 $\chi^2/\text{NDF}: 5.2/4$

Left Out: -661.759 ± 190.222 $\chi^2/\text{NDF}: 48.7/24$

Right Out: -0.282 ± 4.105 $\chi^2/\text{NDF}: 11.6/7$

Left In: 35.366 ± 190.553 $\chi^2/\text{NDF}: 15.1/22$

Left: -313.803 ± 134.624 $\chi^2/\text{NDF}: 70.5/47$

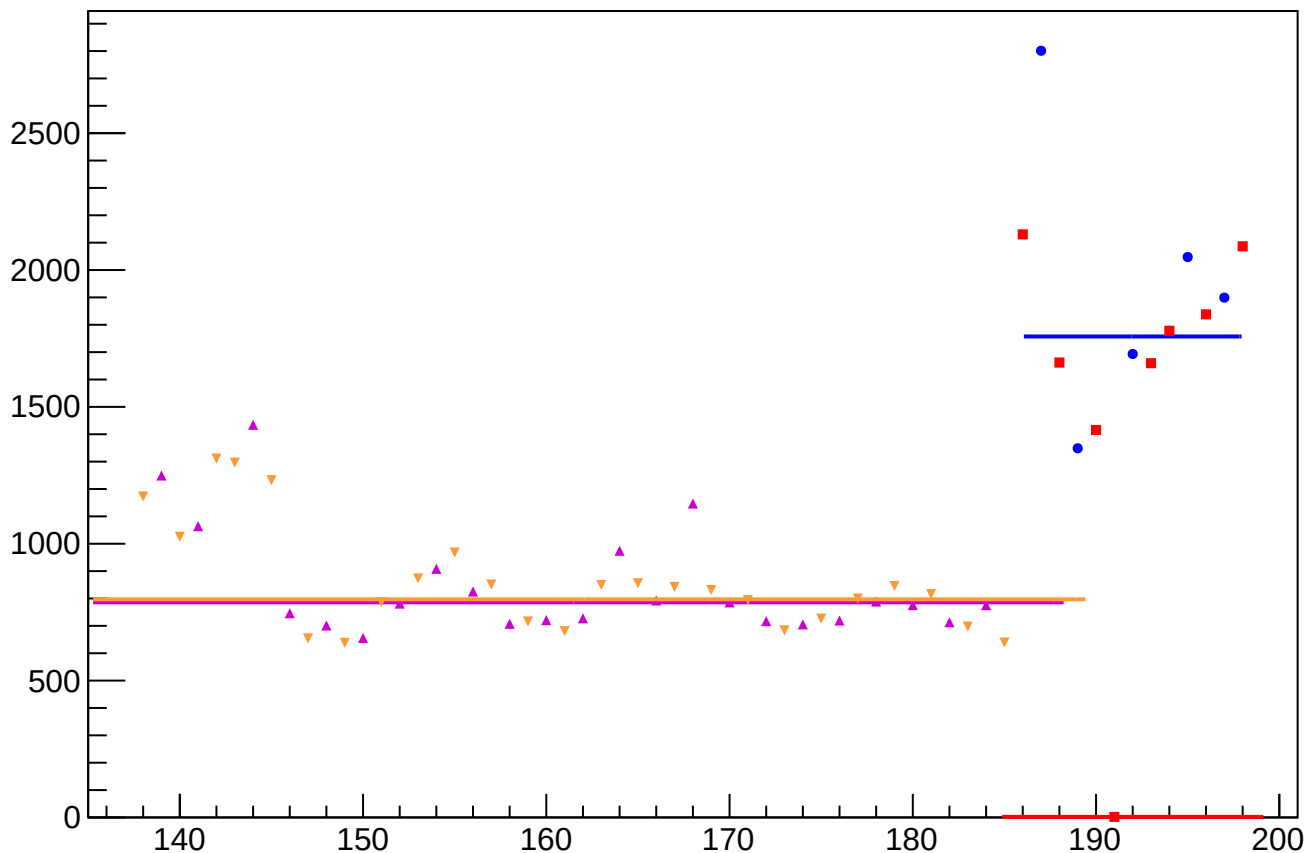
Right: -0.287 ± 4.105 $\chi^2/\text{NDF}: 16.9/12$

In: 22.120 ± 187.770 $\chi^2/\text{NDF}: 20.5/27$

Out: -0.590 ± 4.104 $\chi^2/\text{NDF}: 72.4/32$

All: -0.579 ± 4.103 $\chi^2/\text{NDF}: 92.9/60$

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 1757.265+/-0.780 χ^2/NDF : 165263.0/4

Left Out: 796.994+/-0.135 χ^2/NDF :1174879.0/24

Right Out: 2.081+/-0.003 χ^2/NDF : 9204523.0/7

Left In: 785.928+/-0.135 χ^2/NDF :1126027.7/22

Left: 791.470+/-0.095 χ^2/NDF : 2304284.9/47

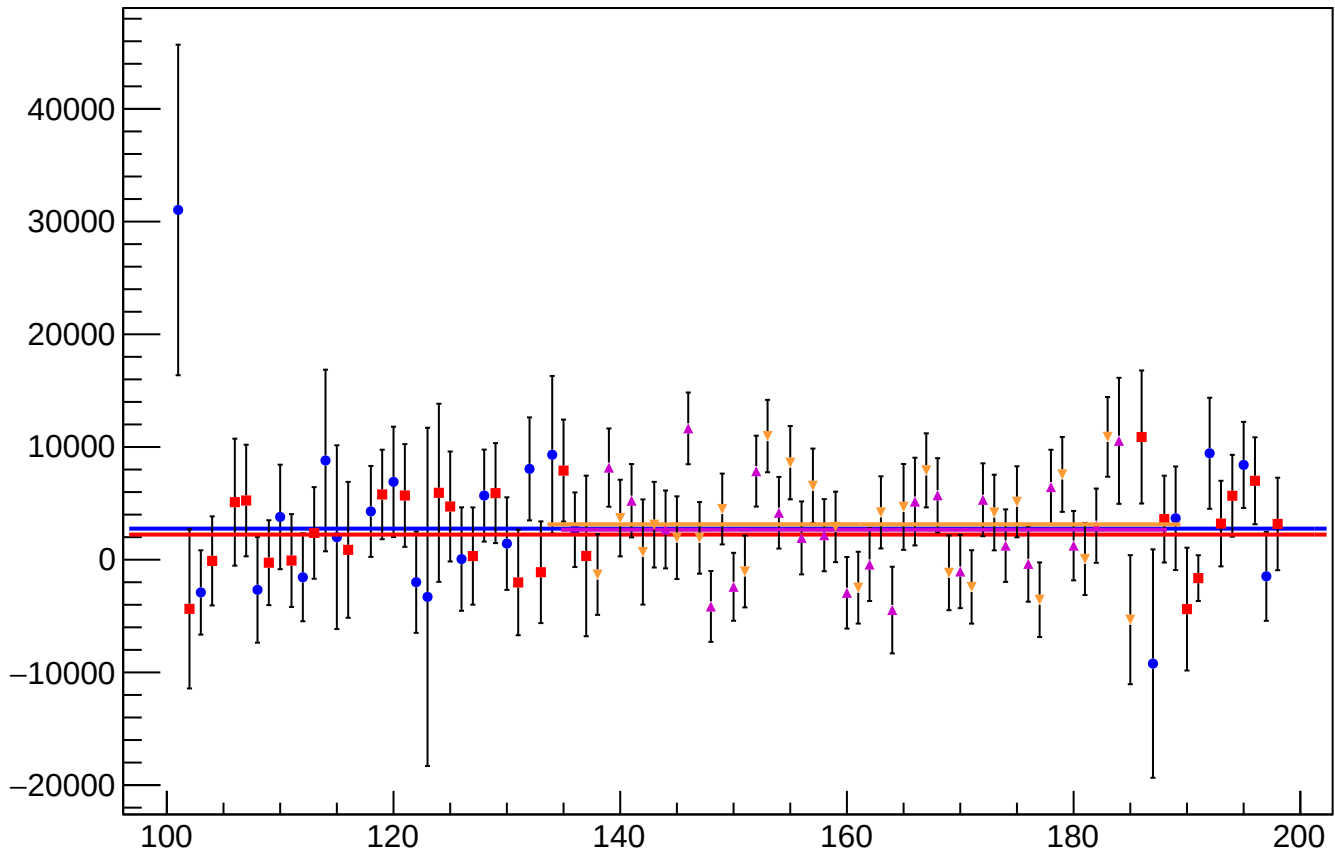
Right: 2.105+/-0.003 χ^2/NDF : 14437455.7/12

In: 814.096+/-0.133 χ^2/NDF :2798342.6/27

Out: 2.451+/-0.003 χ^2/NDF :45289011.7/32

All: 2.838+/-0.003 χ^2/NDF : 85438433.6/60

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2756.769 $\pm$ 1010.895 χ^2 /NDF: 21.1/21

Left Out: 3139.358 $\pm$ 680.222 χ^2 /NDF:38.3/24

Right Out: 2230.059 $\pm$ 828.832 χ^2 /NDF: 18.3/25

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

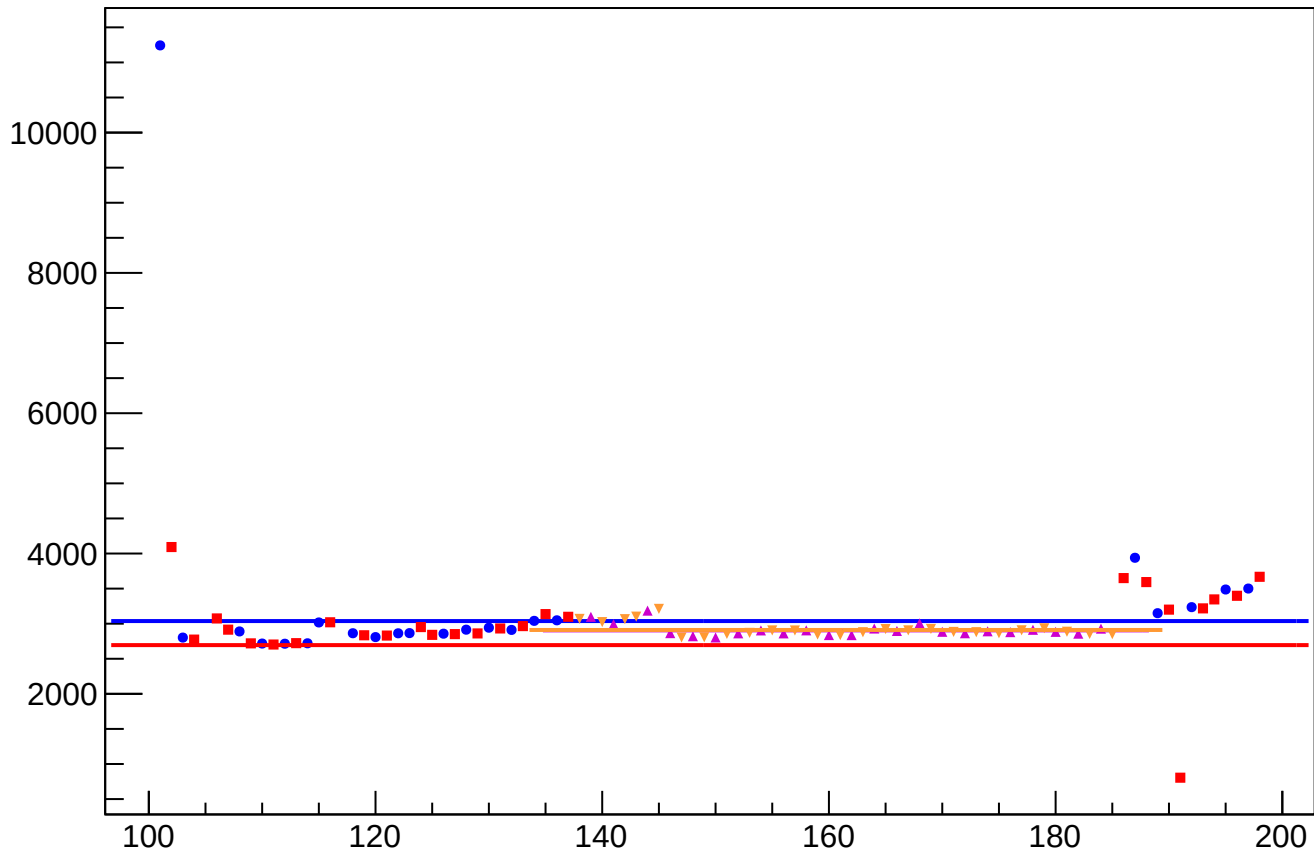
Right: 2441.795 $\pm$ 640.941 χ^2 /NDF: 39.6/47

In: 2690.828 $\pm$ 571.654 χ^2 /NDF:58.1/44

Out: 2773.395 $\pm$ 525.813 χ^2 /NDF:57.3/50

All: 2735.554 $\pm$ 386.999 χ^2 /NDF: 115.4/95

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3037.380+/-0.715 χ^2/NDF : 756694.0/21

Left Out: 2910.362+/-0.481 χ^2/NDF : 36080.5/24

Right Out: 2694.556+/-0.586 χ^2/NDF : 2344907.7/25

Left In: 2904.499+/-0.490 χ^2/NDF : 30423.1/22

Left: 2907.485+/-0.343 χ^2/NDF : 66576.4/47

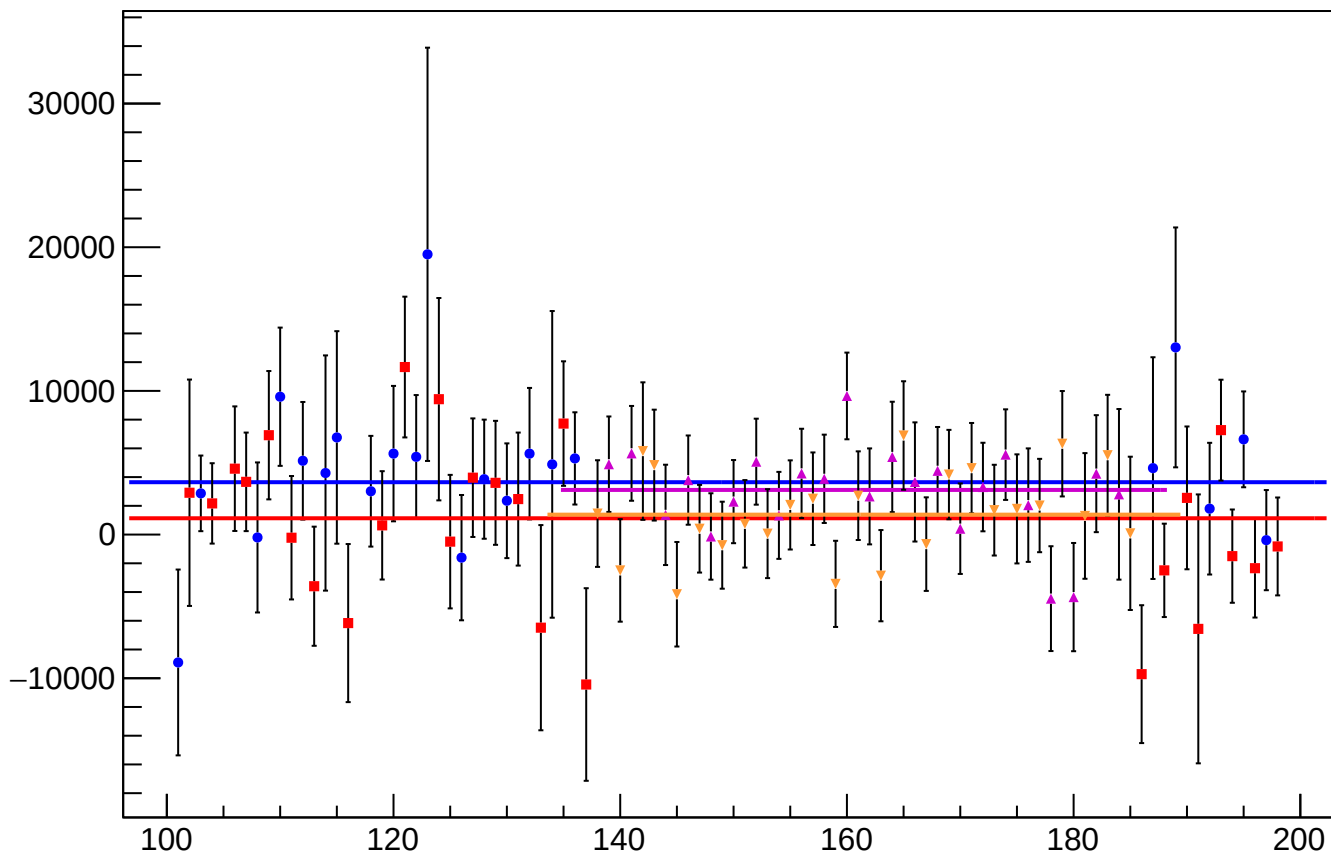
Right: 2832.370+/-0.453 χ^2/NDF : 3239152.9/47

In: 2946.992+/-0.404 χ^2/NDF : 810623.8/44

Out: 2823.507+/-0.372 χ^2/NDF : 2462007.0/50

All: 2880.100+/-0.274 χ^2/NDF : 3323184.2/95

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3644.862 $\pm$ 957.682 χ^2 /NDF: 13.4/21

Left Out: 1386.275 $\pm$ 684.647 χ^2 /NDF:18.0/24

Right Out: 1134.938 $\pm$ 831.181 χ^2 /NDF: 31.8/25

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

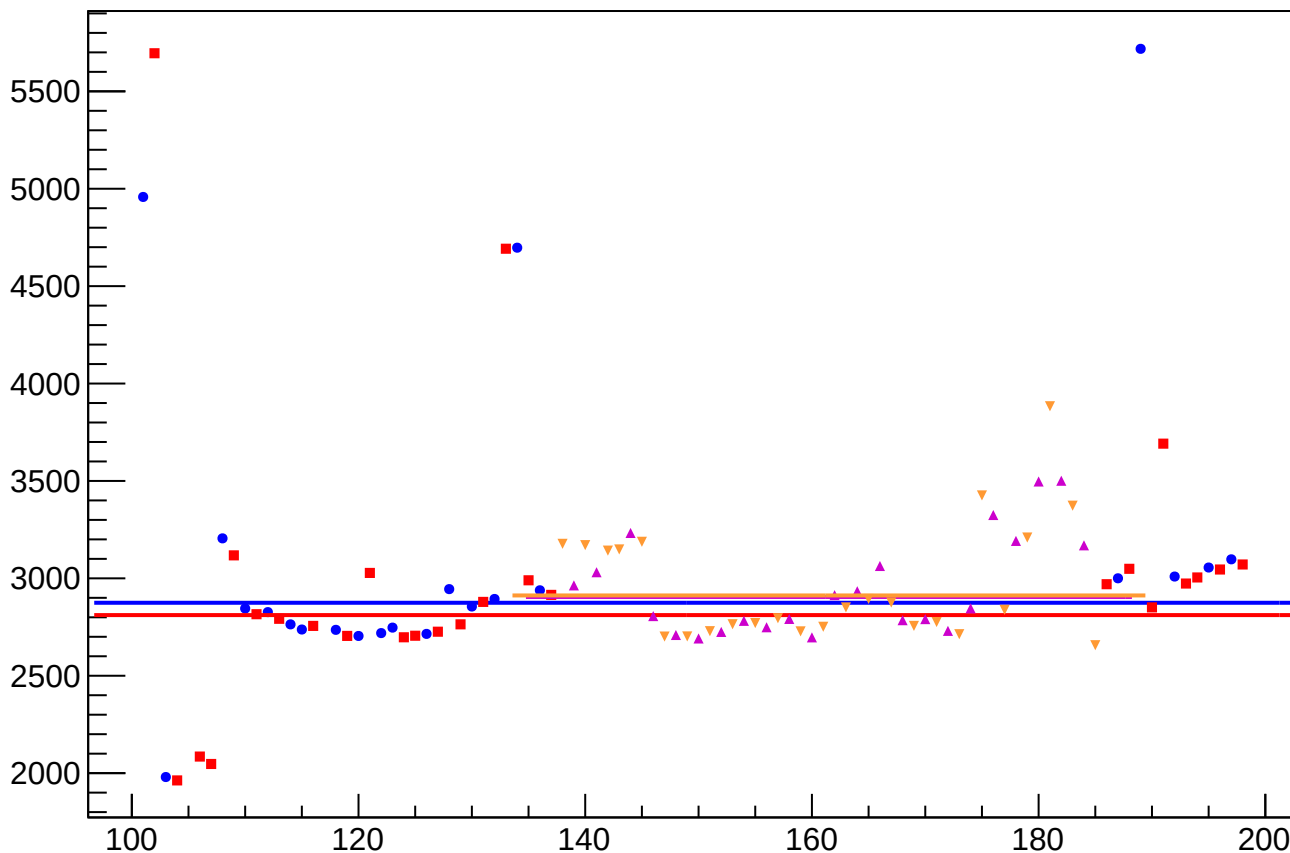
Right: 2213.291 $\pm$ 627.728 χ^2 /NDF: 49.2/47

In: 3292.708 $\pm$ 562.852 χ^2 /NDF:32.0/44

Out: 1284.678 $\pm$ 528.455 χ^2 /NDF:49.9/50

All: 2225.463 $\pm$ 385.261 χ^2 /NDF: 88.7/95

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2874.615+/-0.677 χ^2/NDF : 766836.6/21

Left Out: 2912.211+/-0.484 χ^2/NDF : 290908.5/24

Right Out: 2811.348+/-0.588 χ^2/NDF : 831956.6/25

Left In: 2904.472+/-0.492 χ^2/NDF : 217578.9/22

Left: 2908.403+/-0.345 χ^2/NDF : 508613.1/47

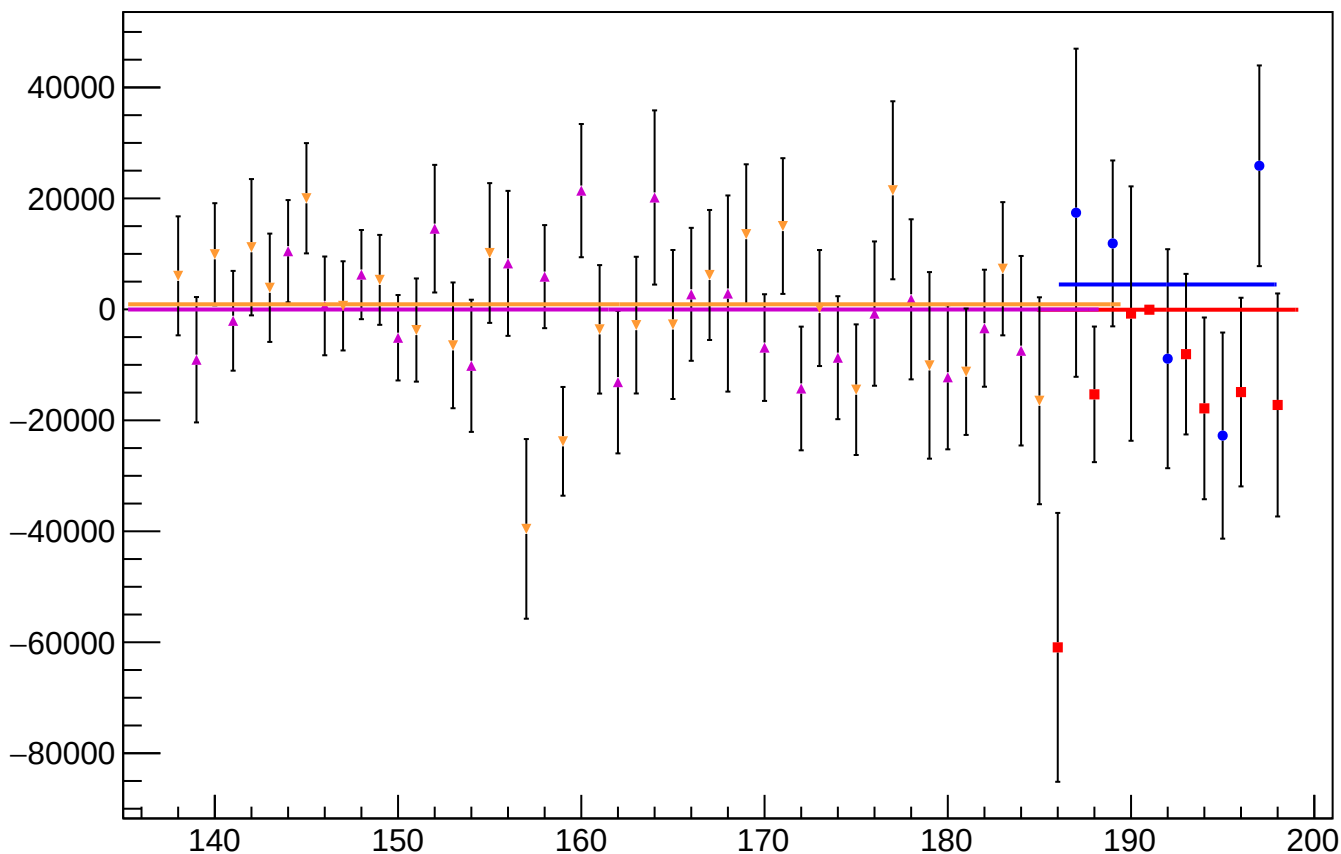
Right: 2838.524+/-0.444 χ^2/NDF : 1603772.3/47

In: 2894.159+/-0.398 χ^2/NDF : 985687.9/44

Out: 2871.429+/-0.374 χ^2/NDF : 1140415.3/50

All: 2882.077+/-0.272 χ^2/NDF : 2127836.7/95

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: 4486.970 $\pm$ 8409.484 χ^2 /NDF: 4.4/4

Left Out: 916.096 $\pm$ 2238.762 χ^2 /NDF:28.7/24

Right Out: -63.019 $\pm$ 29.129 χ^2 /NDF: 10.8/7

Left In: -25.729 $\pm$ 2280.428 χ^2 /NDF:16.1/22

Left: 453.866 $\pm$ 1597.571 χ^2 /NDF: 44.9/47

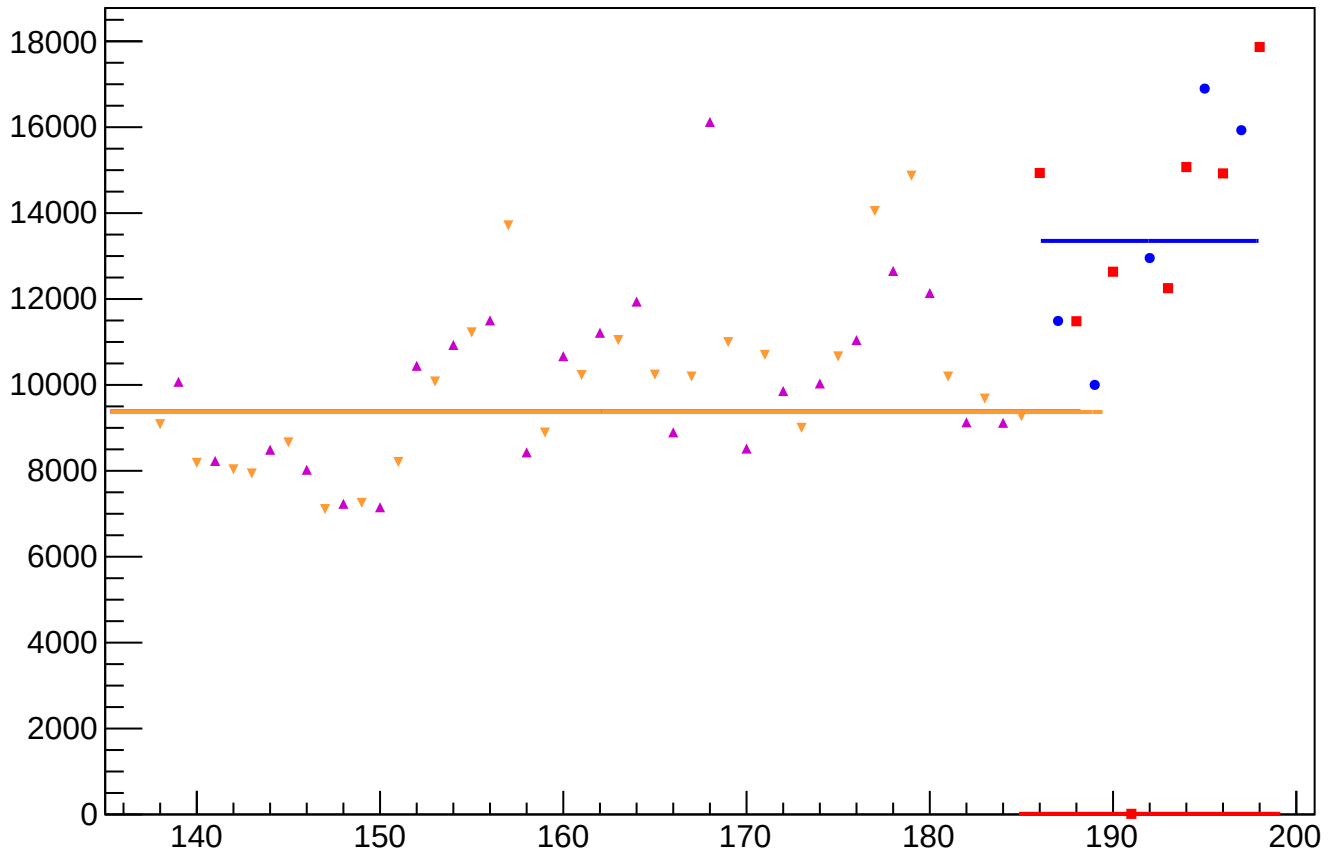
Right: -62.965 $\pm$ 29.129 χ^2 /NDF: 15.6/12

In: 283.382 $\pm$ 2200.940 χ^2 /NDF:20.8/27

Out: -62.853 $\pm$ 29.127 χ^2 /NDF:39.8/32

All: -62.793 $\pm$ 29.124 χ^2 /NDF: 60.6/60

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 13352.798 $\pm$ 5.946 χ^2 /NDF: 222806.5/4

Left Out: 9369.034 $\pm$ 1.583 χ^2 /NDF:1183012.4/24

Right Out: 14.724 $\pm$ 0.021 χ^2 /NDF: 9362754.2/7

Left In: 9382.727 $\pm$ 1.613 χ^2 /NDF:1205648.8/22

Left: 9375.755 $\pm$ 1.130 χ^2 /NDF: 2388697.9/47

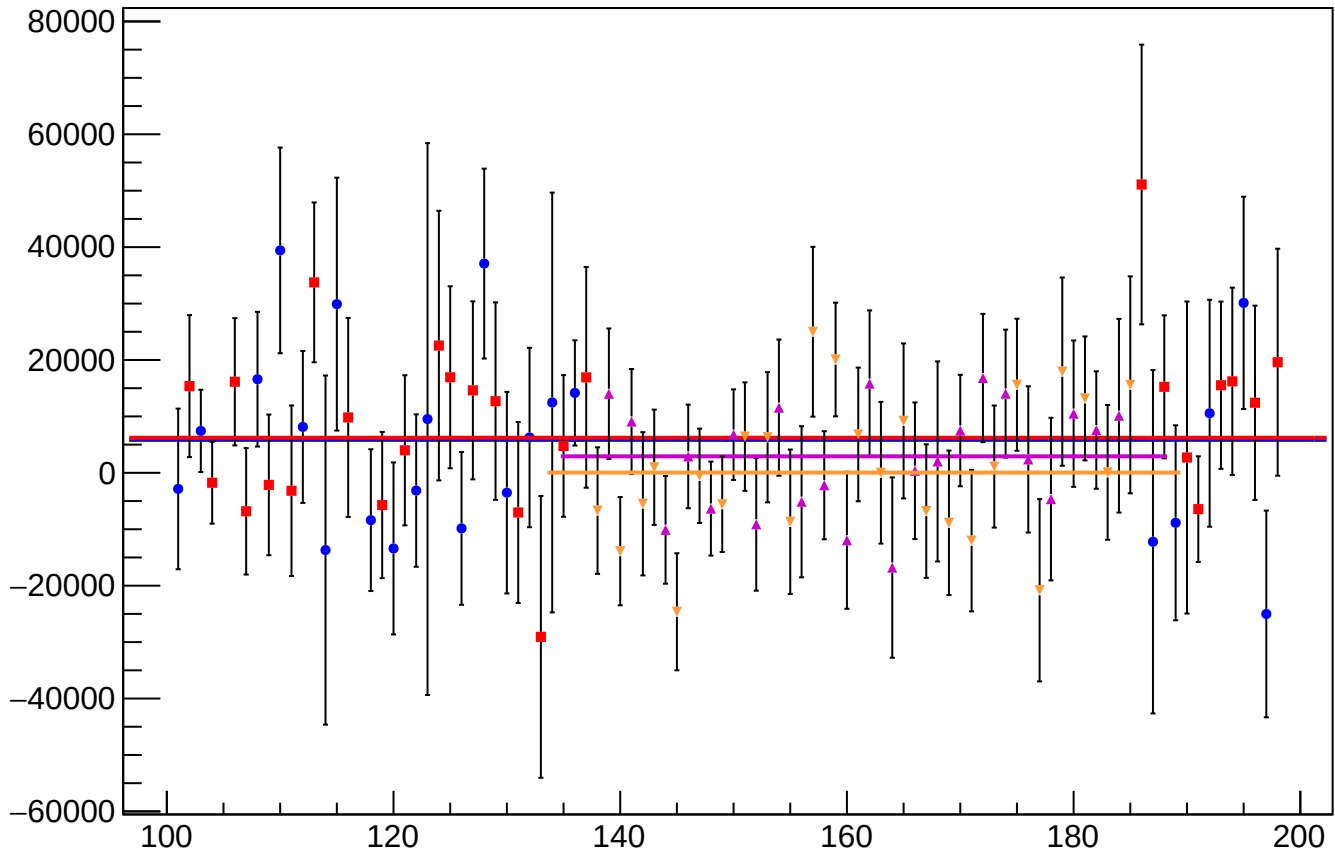
Right: 14.884 $\pm$ 0.021 χ^2 /NDF: 14616769.8/12

In: 9654.669 $\pm$ 1.556 χ^2 /NDF:1843668.9/27

Out: 16.307 $\pm$ 0.021 χ^2 /NDF:45456910.1/32

All: 17.995 $\pm$ 0.021 χ^2 /NDF: 85648693.1/60

asym_atr2_mean vs Slug, Sign Corrected



Right In: 5844.526 $\pm$ 3164.324 χ^2 /NDF: 21.1/21

Left Out: 43.265 $\pm$ 2290.867 χ^2 /NDF:25.9/24

Right Out: 6212.509 $\pm$ 2734.845 χ^2 /NDF: 20.7/25

Left In: 2925.533 $\pm$ 2330.587 χ^2 /NDF:14.6/22

Left: 1459.628 $\pm$ 1633.750 χ^2 /NDF: 41.2/47

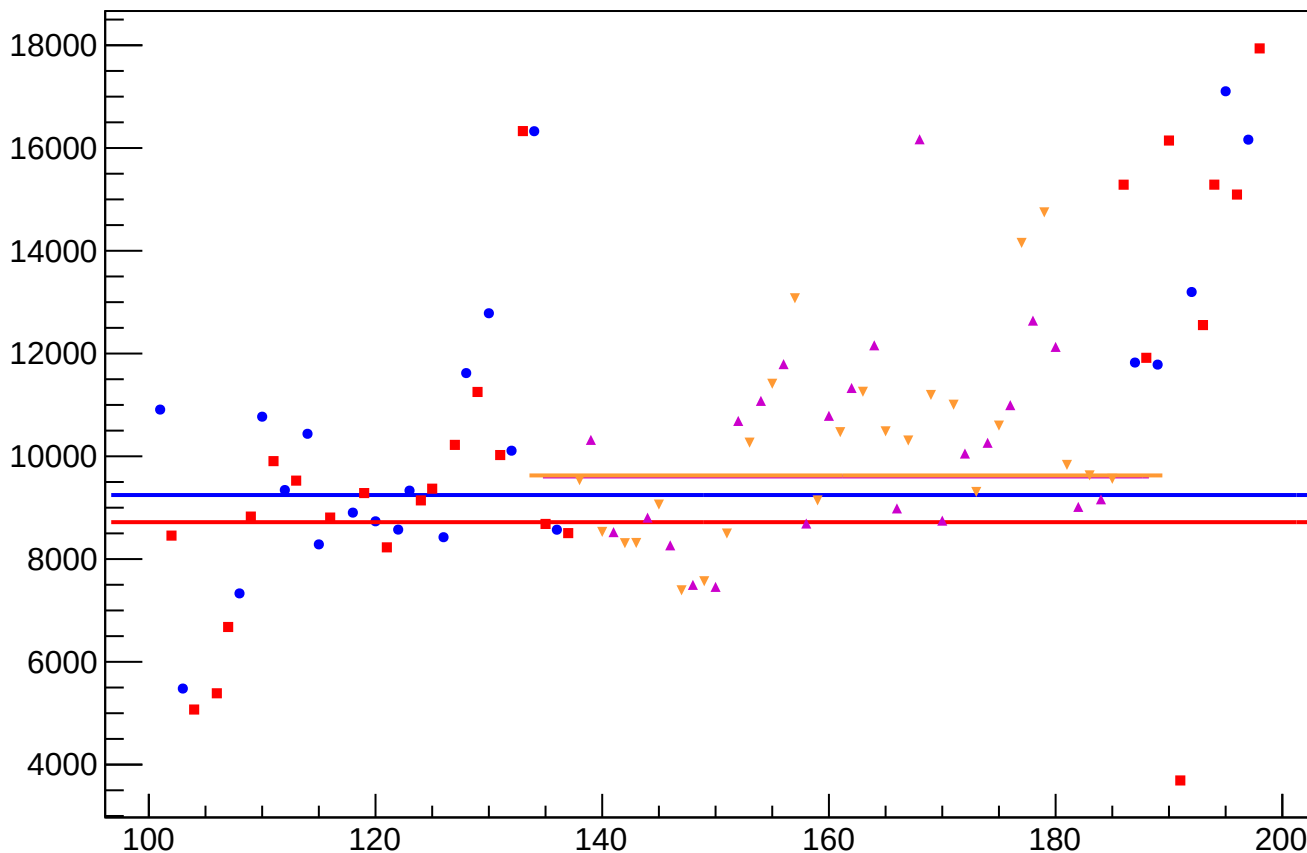
Right: 6055.167 $\pm$ 2069.140 χ^2 /NDF: 41.7/47

In: 3952.100 $\pm$ 1876.541 χ^2 /NDF:36.2/44

Out: 2587.107 $\pm$ 1756.151 χ^2 /NDF:49.5/50

All: 3224.417 $\pm$ 1282.236 χ^2 /NDF: 86.0/95

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9246.411+/-2.238

χ^2/NDF : 1624946.9/21

Left: 9617.863+/-1.155

χ^2/NDF : 2090184.3/47

Left Out: 9627.824+/-1.620

χ^2/NDF : 1004641.7/24

Right: 8944.154+/-1.463

χ^2/NDF : 4823917.7/47

Right Out: 8718.393+/-1.934

χ^2/NDF : 3167092.7/25

In: 9480.545+/-1.327

χ^2/NDF : 2727301.8/44

Out: 9252.811+/-1.242

χ^2/NDF : 4301705.4/50

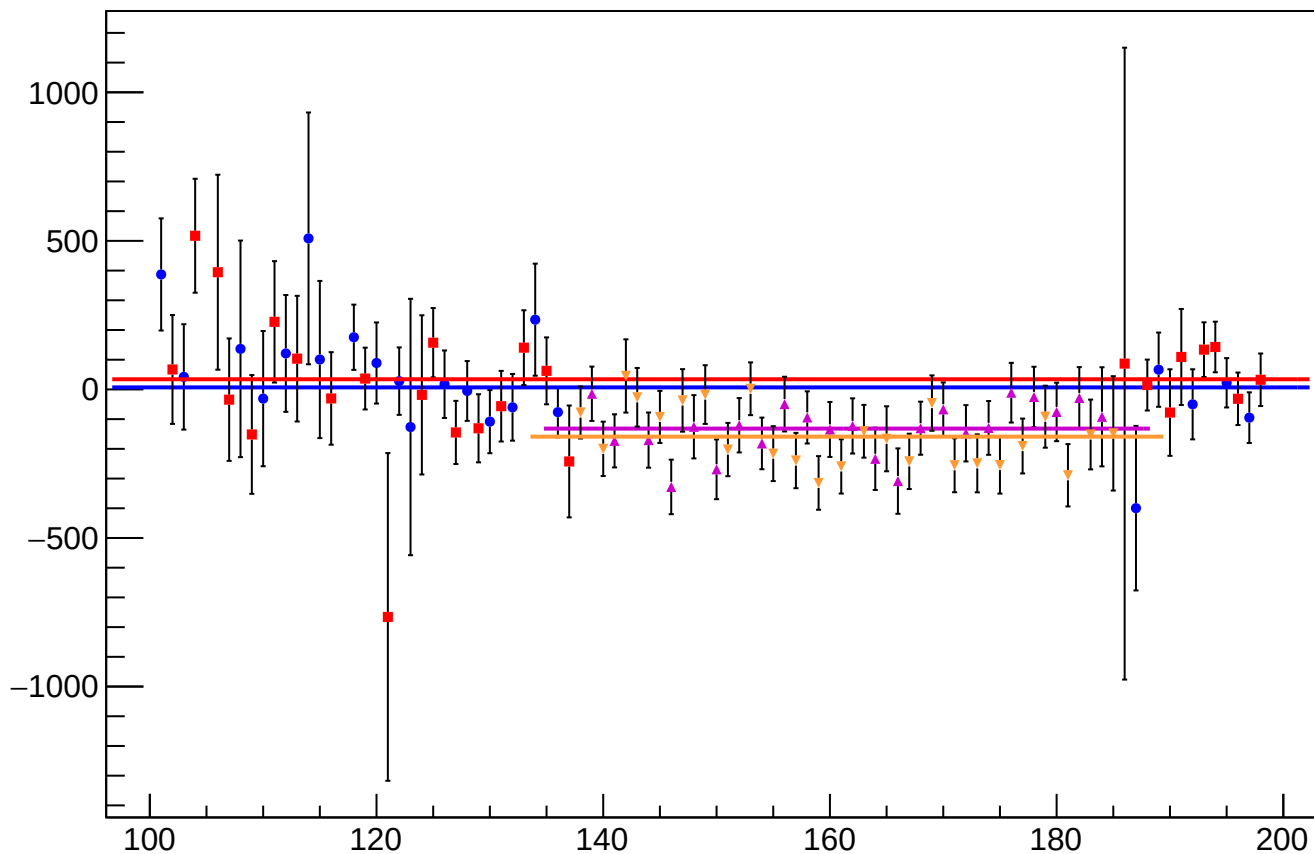
Left In: 9607.553+/-1.648

χ^2/NDF : 1085465.7/22

All: 9359.137+/-0.907

χ^2/NDF : 7044710.3/95

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 6.841 ± 27.785 $\chi^2/\text{NDF}: 17.0/21$

Left Out: -158.948 ± 19.453 $\chi^2/\text{NDF}: 25.8/24$

Right Out: 34.242 ± 25.602 $\chi^2/\text{NDF}: 25.6/25$

Left In: -131.879 ± 20.076 $\chi^2/\text{NDF}: 17.8/22$

Left: -145.840 ± 13.970 $\chi^2/\text{NDF}: 44.5/47$

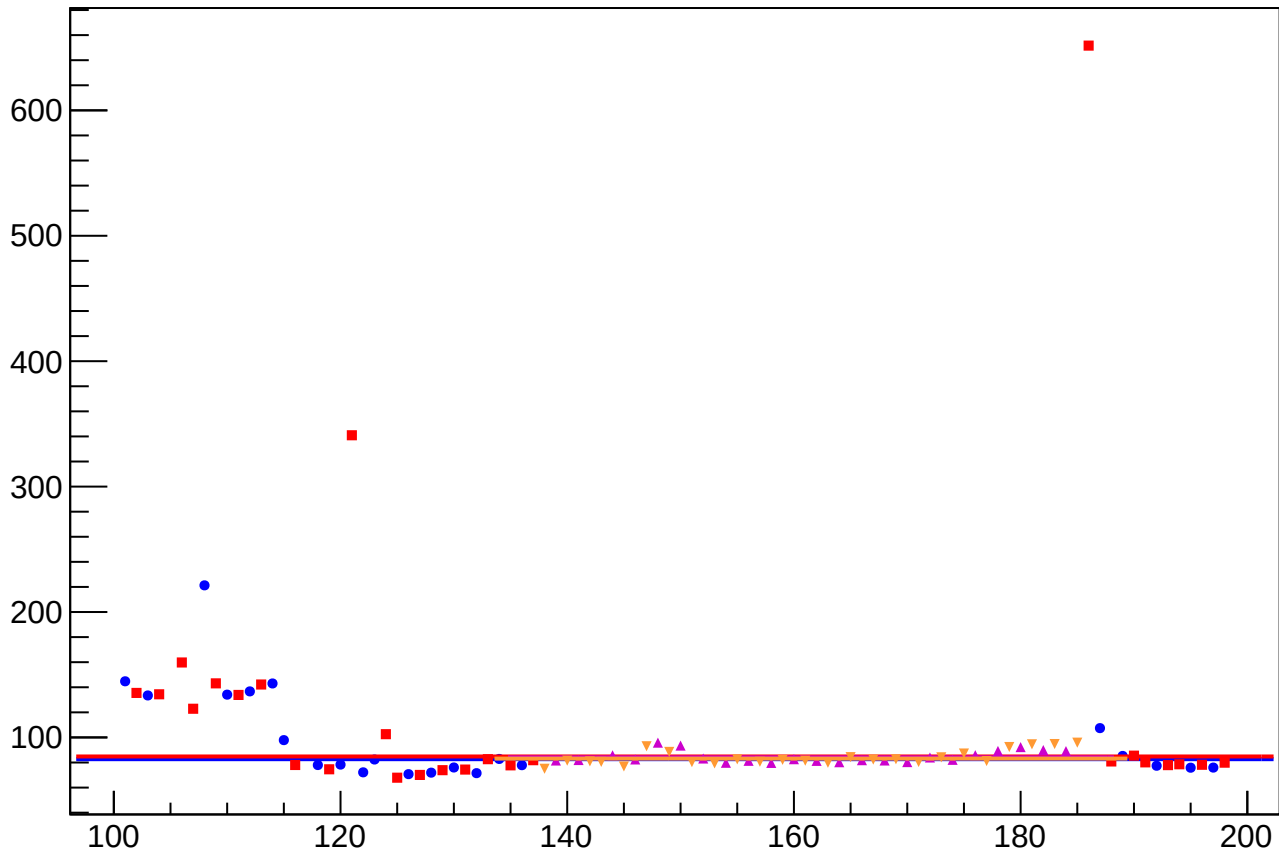
Right: 21.660 ± 18.828 $\chi^2/\text{NDF}: 43.2/47$

In: -84.297 ± 16.273 $\chi^2/\text{NDF}: 51.2/44$

Out: -88.238 ± 15.489 $\chi^2/\text{NDF}: 87.5/50$

All: -86.364 ± 11.219 $\chi^2/\text{NDF}: 138.7/95$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 82.658 $\pm$ 0.020 χ^2 /NDF: 1118472.4/21

Left Out: 83.126 $\pm$ 0.014 χ^2 /NDF:138741.0/24

Right Out: 84.816 $\pm$ 0.018 χ^2 /NDF: 2092254.4/25

Left In: 84.108 $\pm$ 0.014 χ^2 /NDF:96934.3/22

Left: 83.602 $\pm$ 0.010 χ^2 /NDF: 238144.0/47

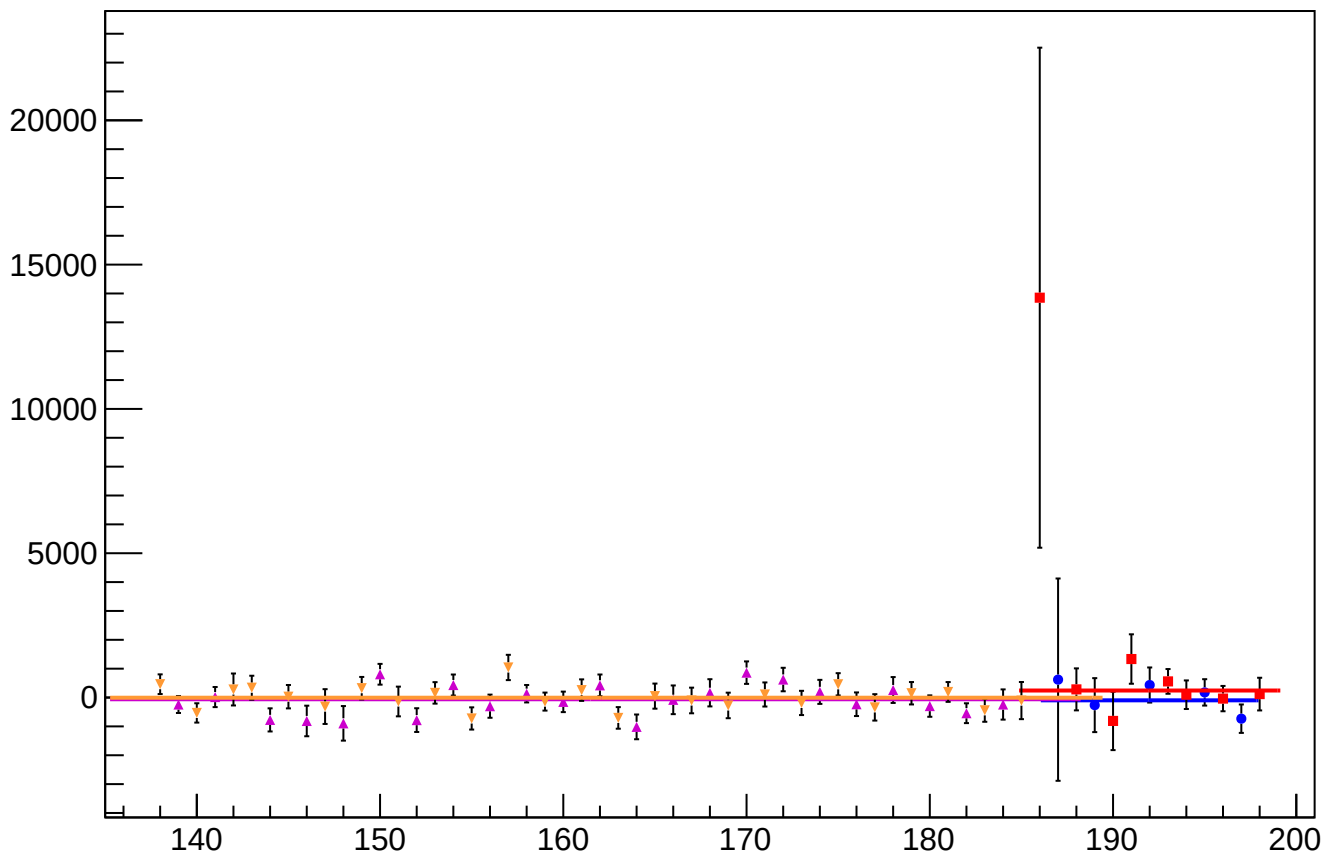
Right: 83.825 $\pm$ 0.013 χ^2 /NDF: 3217251.7/47

In: 83.611 $\pm$ 0.012 χ^2 /NDF:1218989.8/44

Out: 83.745 $\pm$ 0.011 χ^2 /NDF:2236515.5/50

All: 83.681 $\pm$ 0.008 χ^2 /NDF: 3455576.2/95

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: -97.036 ± 279.048 $\chi^2/\text{NDF}: 2.9/4$

Left Out: -6.627 ± 81.138 $\chi^2/\text{NDF}: 24.4/24$

Right Out: 243.093 ± 212.736 $\chi^2/\text{NDF}: 6.3/7$

Left In: -59.971 ± 82.046 $\chi^2/\text{NDF}: 38.0/22$

Left: -33.002 ± 57.692 $\chi^2/\text{NDF}: 62.6/47$

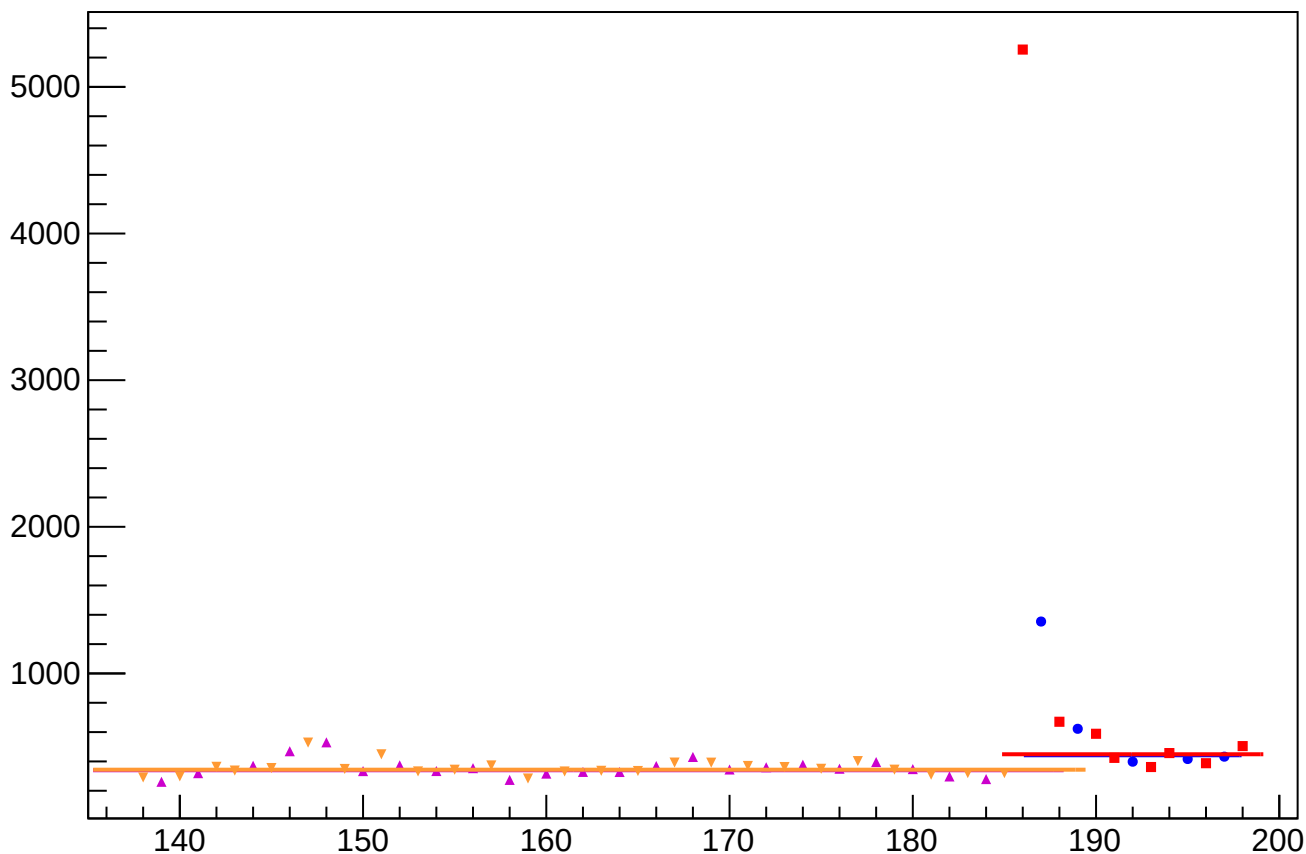
Right: 118.072 ± 169.179 $\chi^2/\text{NDF}: 10.1/12$

In: -62.921 ± 78.714 $\chi^2/\text{NDF}: 40.9/27$

Out: 25.085 ± 75.811 $\chi^2/\text{NDF}: 31.9/32$

All: -17.265 ± 54.604 $\chi^2/\text{NDF}: 73.4/60$

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 442.085+/-0.197 χ^2/NDF : 227299.0/4

Left Out: 343.620+/-0.057 χ^2/NDF : 571090.7/24

Right Out: 448.930+/-0.150 χ^2/NDF : 982300.9/7

Left In: 339.804+/-0.058 χ^2/NDF : 799750.5/22

Left: 341.733+/-0.041 χ^2/NDF : 1373028.9/47

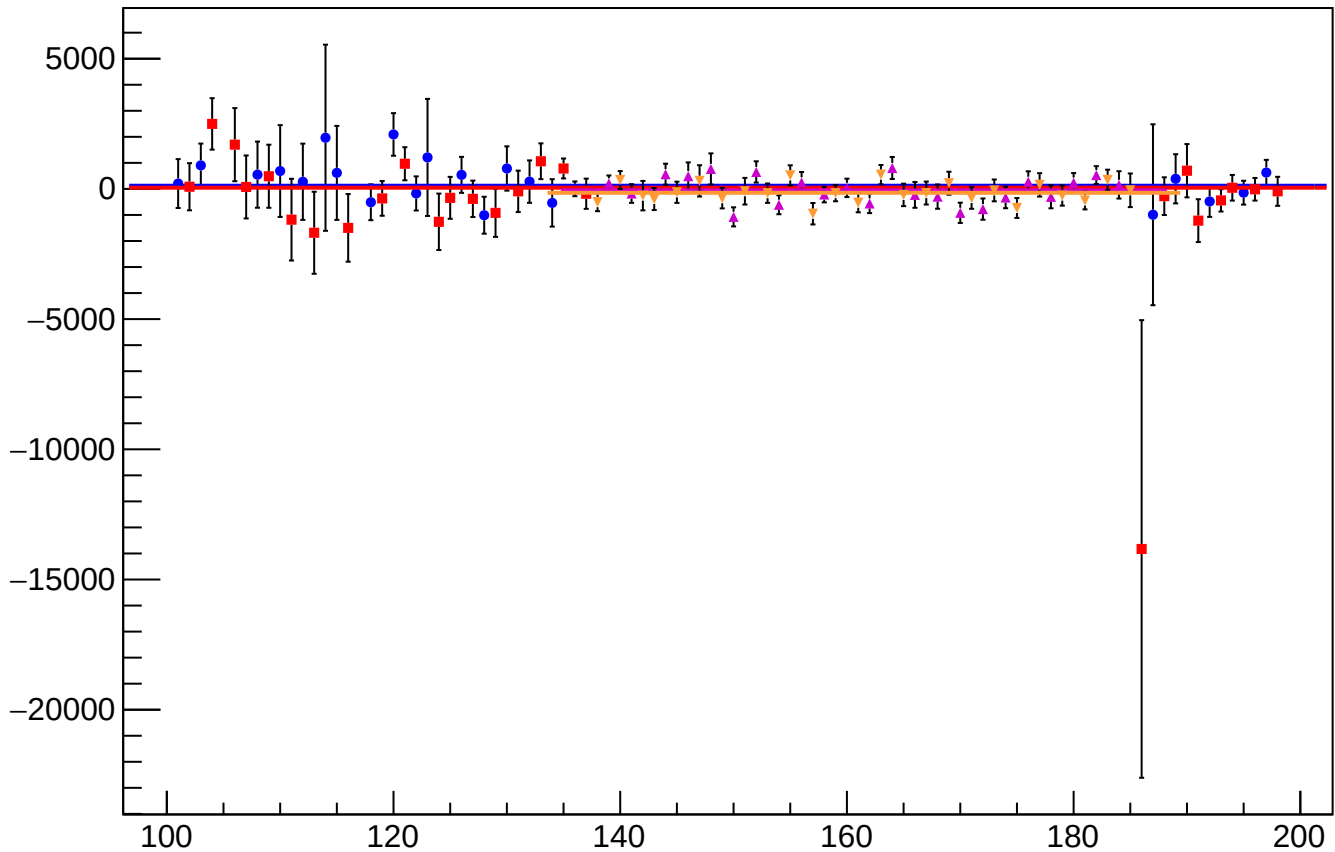
Right: 446.414+/-0.120 χ^2/NDF : 1210361.0/12

In: 347.942+/-0.056 χ^2/NDF : 1274368.2/27

Out: 356.994+/-0.054 χ^2/NDF : 1981253.2/32

All: 352.638+/-0.039 χ^2/NDF : 3269341.0/60

asym_sam1_mean vs Slug, Sign Corrected



Right In: 122.114+/-150.491 χ^2/NDF : 15.4/21

Left Out: -148.809+/-81.017 χ^2/NDF :22.0/24

Right Out: 46.834+/-138.915 χ^2/NDF : 29.5/25

Left In: -56.402+/-82.155 χ^2/NDF :39.7/22

Left: -103.250+/-57.686 χ^2/NDF : 62.3/47

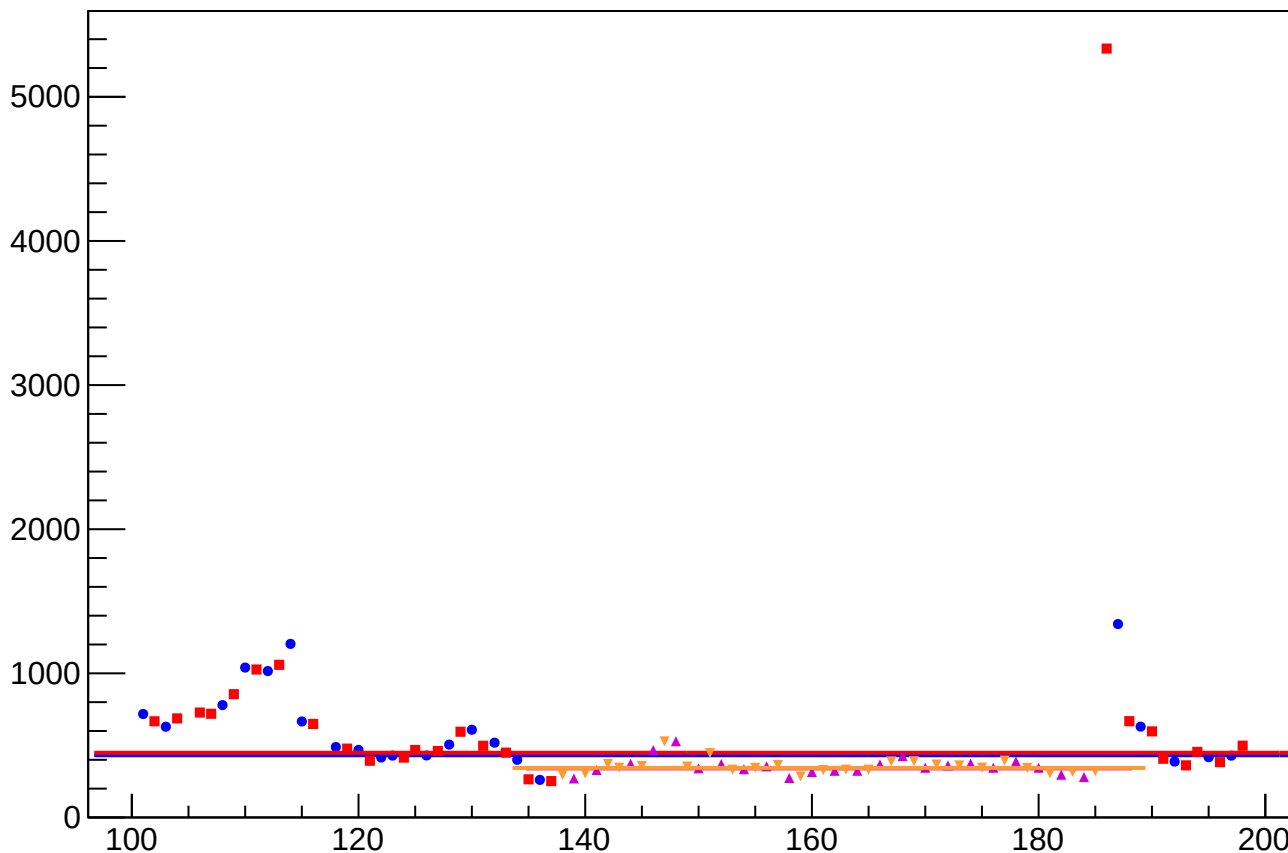
Right: 81.467+/-102.075 χ^2/NDF : 45.0/47

In: -15.416+/-72.110 χ^2/NDF :56.2/44

Out: -99.153+/-69.984 χ^2/NDF :53.0/50

All: -58.537+/-50.221 χ^2/NDF : 109.9/95

asym_sam1_rms vs Slug, Sign Corrected



Right In: 431.832 $\pm$ 0.106 χ^2 /NDF: 2251456.1/21

Left Out: 343.762 $\pm$ 0.057 χ^2 /NDF: 539246.3/24

Right Out: 448.794 $\pm$ 0.098 χ^2 /NDF: 3021077.8/25

Left In: 340.519 $\pm$ 0.058 χ^2 /NDF: 737049.6/22

Left: 342.163 $\pm$ 0.041 χ^2 /NDF: 1277875.5/47

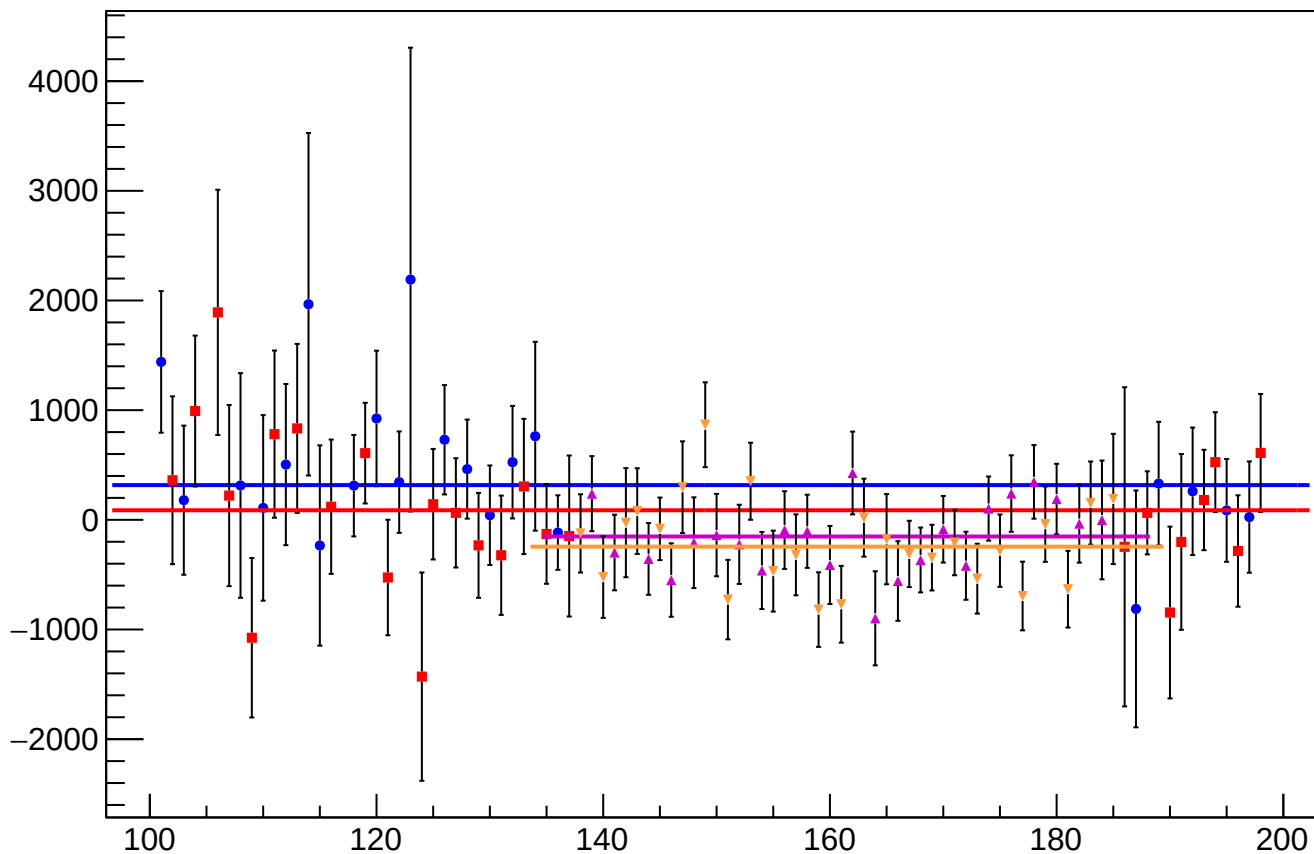
Right: 440.990 $\pm$ 0.072 χ^2 /NDF: 5286252.0/47

In: 361.484 $\pm$ 0.051 χ^2 /NDF: 3555770.9/44

Out: 370.420 $\pm$ 0.049 χ^2 /NDF: 4413472.1/50

All: 366.086 $\pm$ 0.036 χ^2 /NDF: 7985057.5/95

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 316.580 ± 123.494 χ^2/NDF : 11.3/21

Left Out: -244.459 ± 70.636 χ^2/NDF : 28.9/24

Right Out: 87.324 ± 114.617 χ^2/NDF : 19.5/25

Left In: -152.030 ± 72.312 χ^2/NDF : 18.2/22

Left: -199.328 ± 50.529 χ^2/NDF : 47.9/47

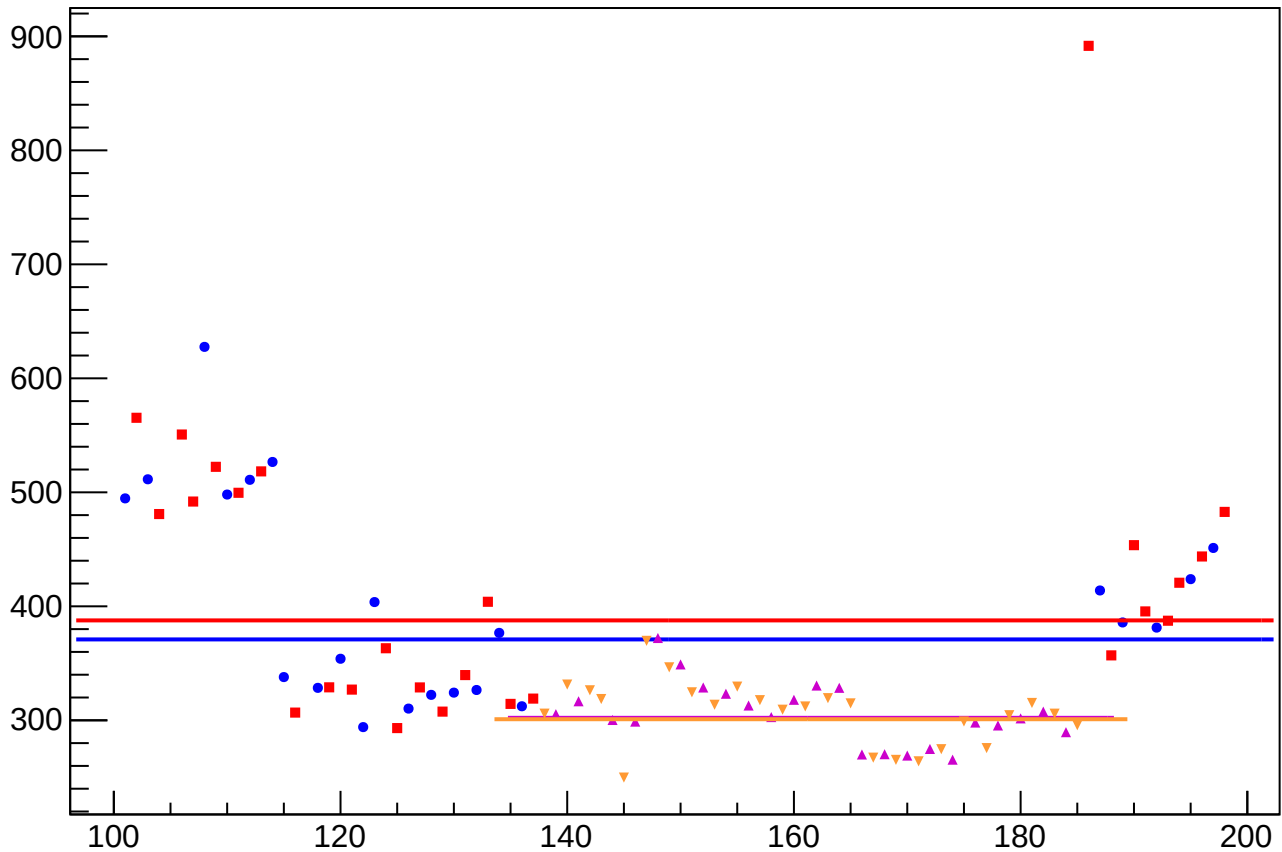
Right: 193.416 ± 84.009 χ^2/NDF : 32.7/47

In: -32.382 ± 62.401 χ^2/NDF : 40.2/44

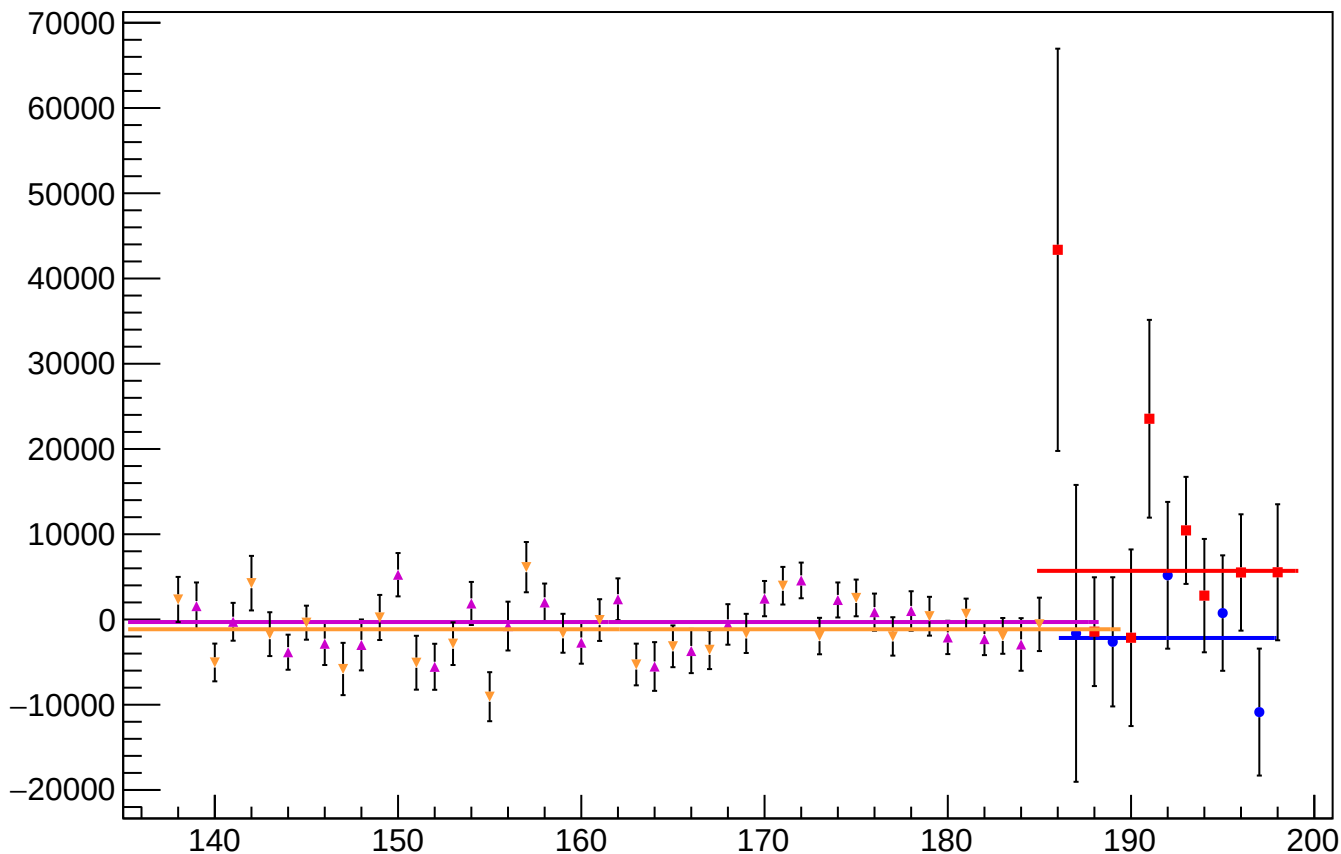
Out: -153.133 ± 60.134 χ^2/NDF : 54.5/50

All: -94.991 ± 43.300 χ^2/NDF : 96.6/95

dit_asym_sam2_rms vs Slug, Sign Corrected



asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -2169.541+/-3674.882 χ^2/NDF : 2.3/4

Left Out: -1146.466+/-479.950 χ^2/NDF : 41.3/24

Right Out: 5703.830+/-2792.210 χ^2/NDF : 7.5/7

Left In: -298.915+/-491.476 χ^2/NDF : 35.0/22

Left: -732.745+/-343.379 χ^2/NDF : 77.8/47

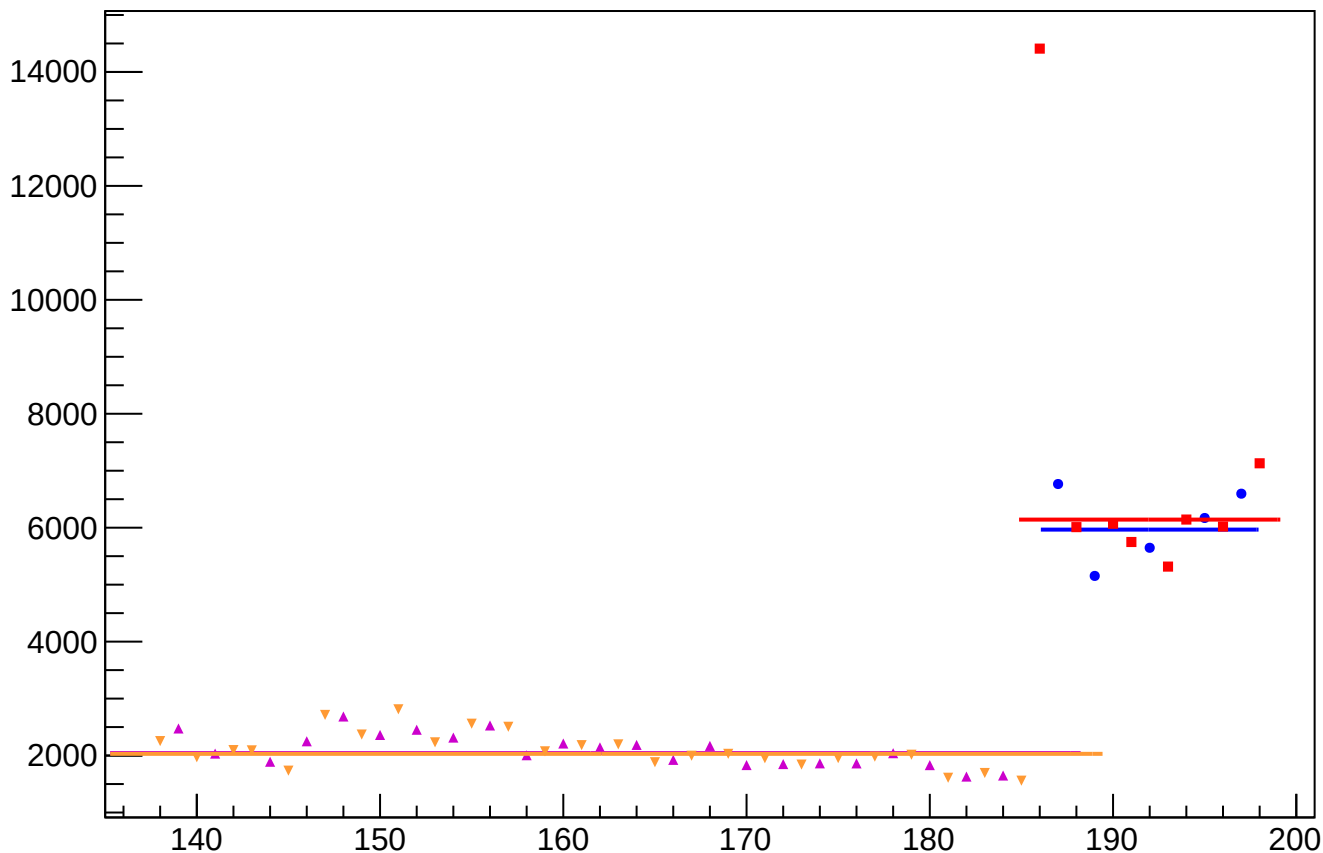
Right: 2822.103+/-2223.256 χ^2/NDF : 12.7/12

In: -331.786+/-487.139 χ^2/NDF : 37.5/27

Out: -949.877+/-473.013 χ^2/NDF : 54.6/32

All: -649.922+/-339.355 χ^2/NDF : 93.0/60

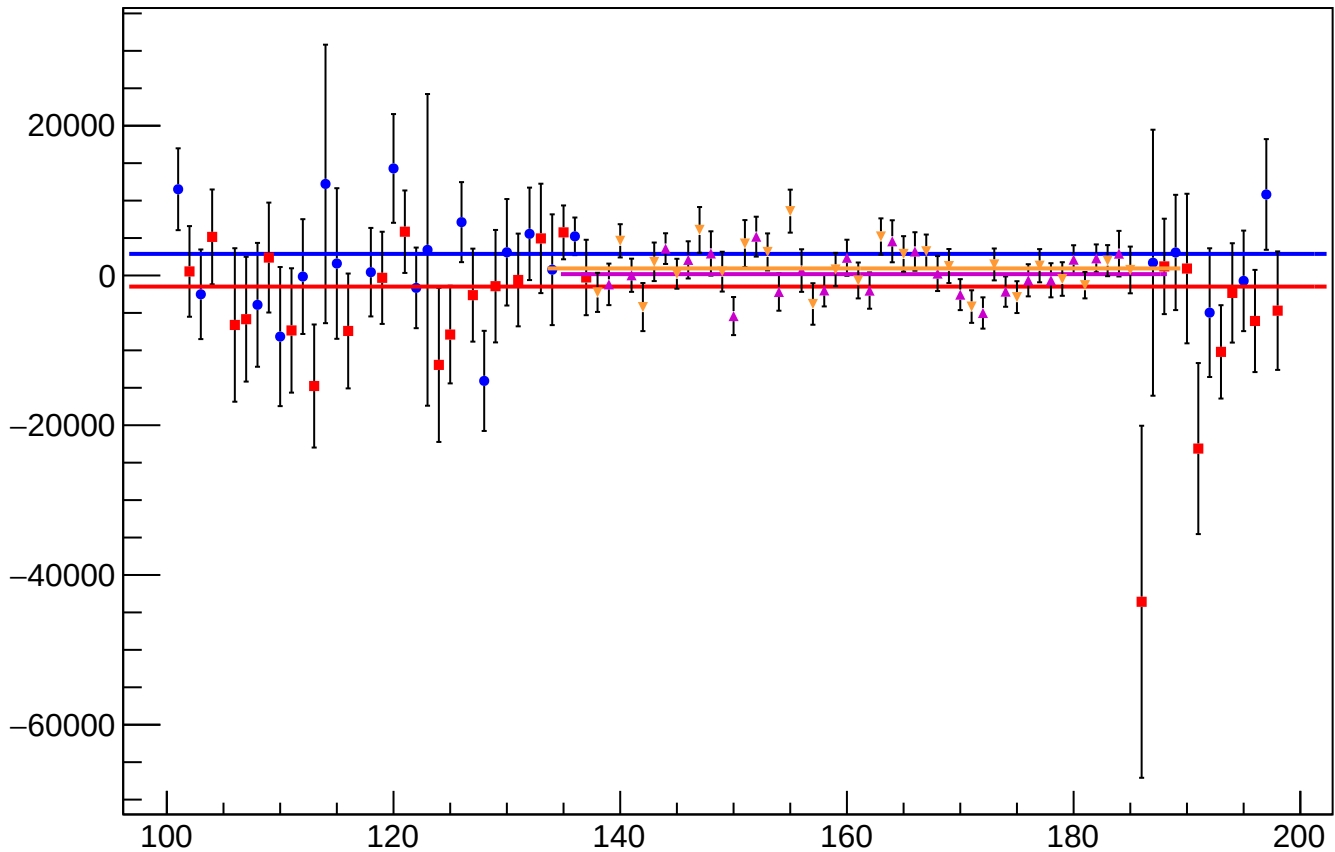
asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 5966.370 $\pm$ 2.599 χ^2/NDF : 46147.1/4
 Left Out: 2030.179 $\pm$ 0.339 χ^2/NDF : 702523.9/24
 Right Out: 6142.044 $\pm$ 1.974 χ^2/NDF : 314650.3/7
 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: 6077.746 $\pm$ 1.572 χ^2/NDF : 363695.0/12
 In: 2112.978 $\pm$ 0.344 χ^2/NDF : 2855036.3/27
 Out: 2148.181 $\pm$ 0.334 χ^2/NDF : 5229924.7/32
 All: 2131.098 $\pm$ 0.240 χ^2/NDF : 8090336.9/60

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2883.330 ± 1341.101 χ^2/NDF : 19.7/21

Left Out: 942.775 ± 474.439 χ^2/NDF : 38.3/24

Right Out: -1483.699 ± 1326.157 χ^2/NDF : 24.1/25

Left In: 180.087 ± 486.112 χ^2/NDF : 32.9/22

Left: 570.698 ± 339.531 χ^2/NDF : 72.5/47

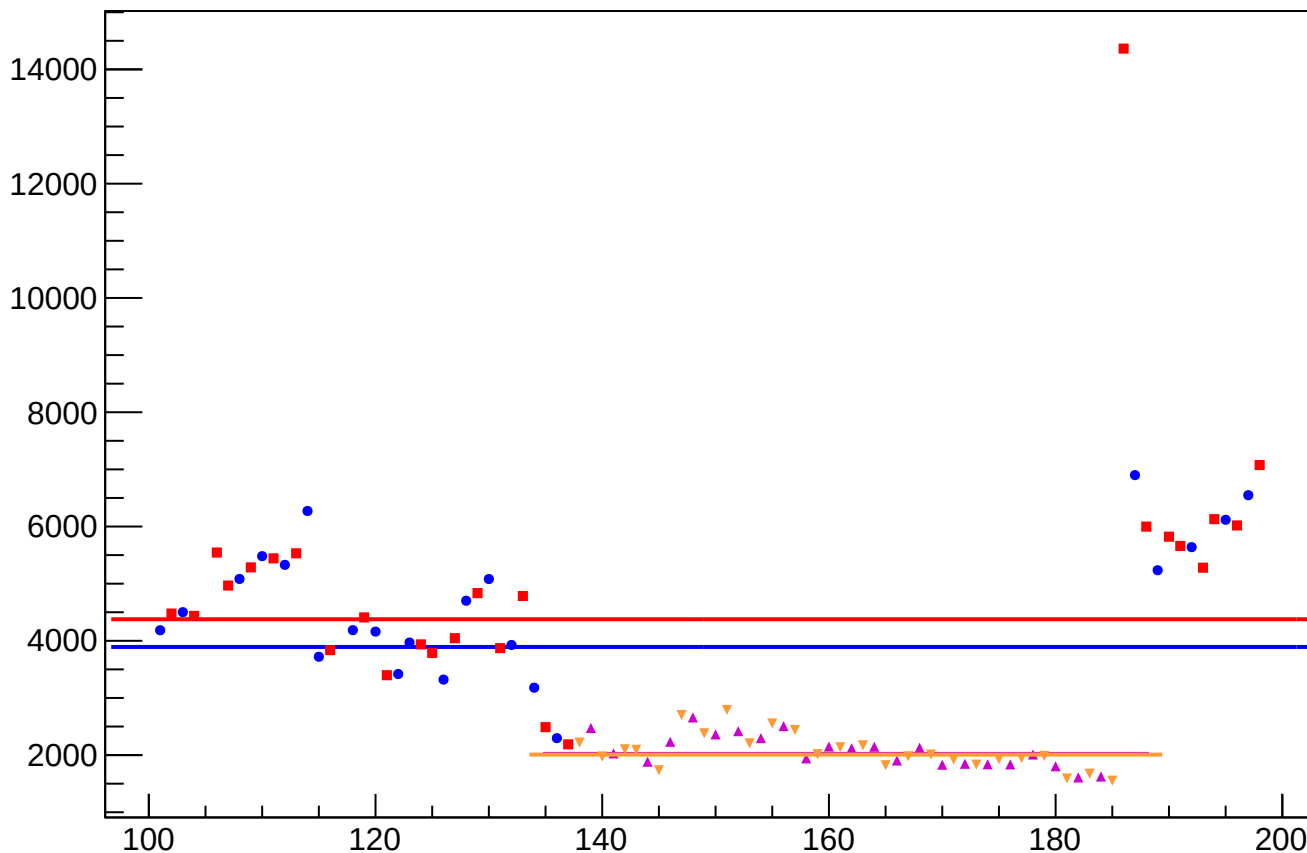
Right: 675.349 ± 942.974 χ^2/NDF : 49.1/47

In: 494.010 ± 457.015 χ^2/NDF : 56.2/44

Out: 667.452 ± 446.712 χ^2/NDF : 65.3/50

All: 582.708 ± 319.454 χ^2/NDF : 121.6/95

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3892.655 $\pm$ 0.948 χ^2/NDF : 1865665.7/21

Left Out: 2008.897 $\pm$ 0.335 χ^2/NDF : 709254.4/24

Right Out: 4377.173 $\pm$ 0.938 χ^2/NDF : 2282143.1/25

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

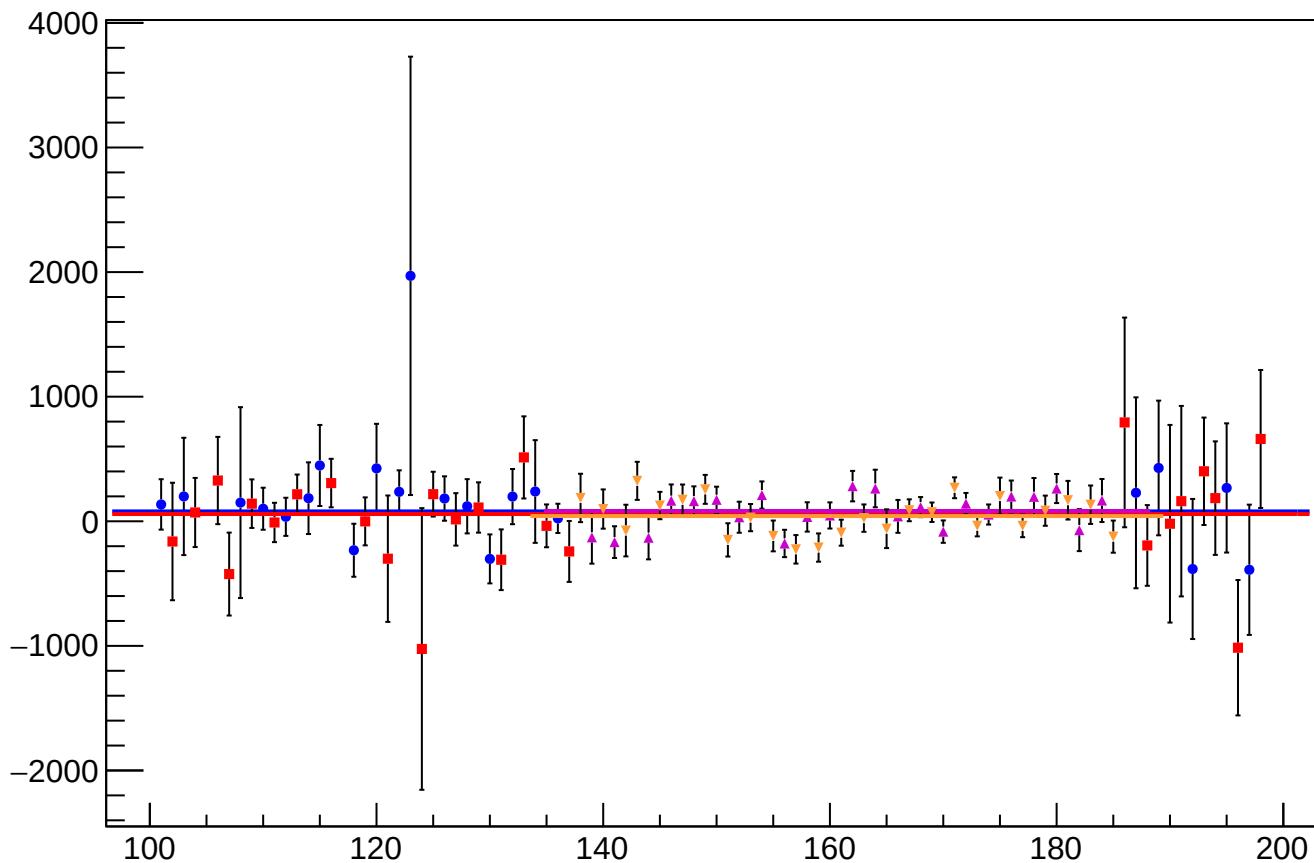
Right: 4137.628 $\pm$ 0.667 χ^2/NDF : 4279797.3/47

In: 2238.253 $\pm$ 0.323 χ^2/NDF : 5885528.1/44

Out: 2277.616 $\pm$ 0.316 χ^2/NDF : 8645973.1/50

All: 2258.383 $\pm$ 0.226 χ^2/NDF : 14539089.1/9

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 79.090 $\pm$ 50.845 χ^2/NDF : 13.6/21

Left Out: 41.847 $\pm$ 23.035 χ^2/NDF : 39.1/24

Right Out: 58.326 $\pm$ 50.975 χ^2/NDF : 21.5/25

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

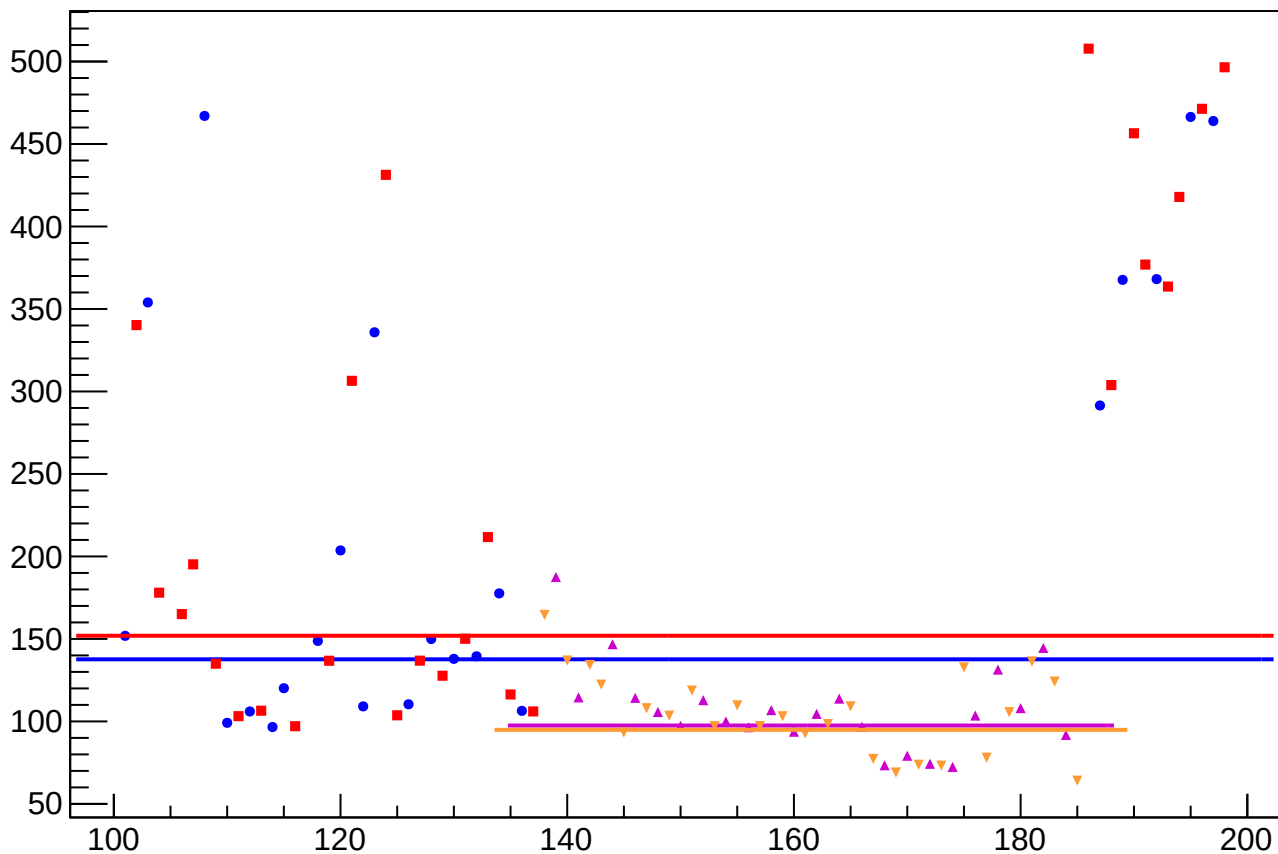
Right: 68.735 $\pm$ 35.999 χ^2/NDF : 35.2/47

In: 81.978 $\pm$ 21.817 χ^2/NDF : 42.2/44

Out: 44.642 $\pm$ 20.992 χ^2/NDF : 60.7/50

All: 62.590 $\pm$ 15.127 χ^2/NDF : 104.4/95

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 137.645 $\pm$ 0.036 χ^2 /NDF: 3767924.2/21

Left Out: 94.886 $\pm$ 0.016 χ^2 /NDF:1796861.0/24

Right Out: 151.926 $\pm$ 0.036 χ^2 /NDF: 5523727.1/25

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

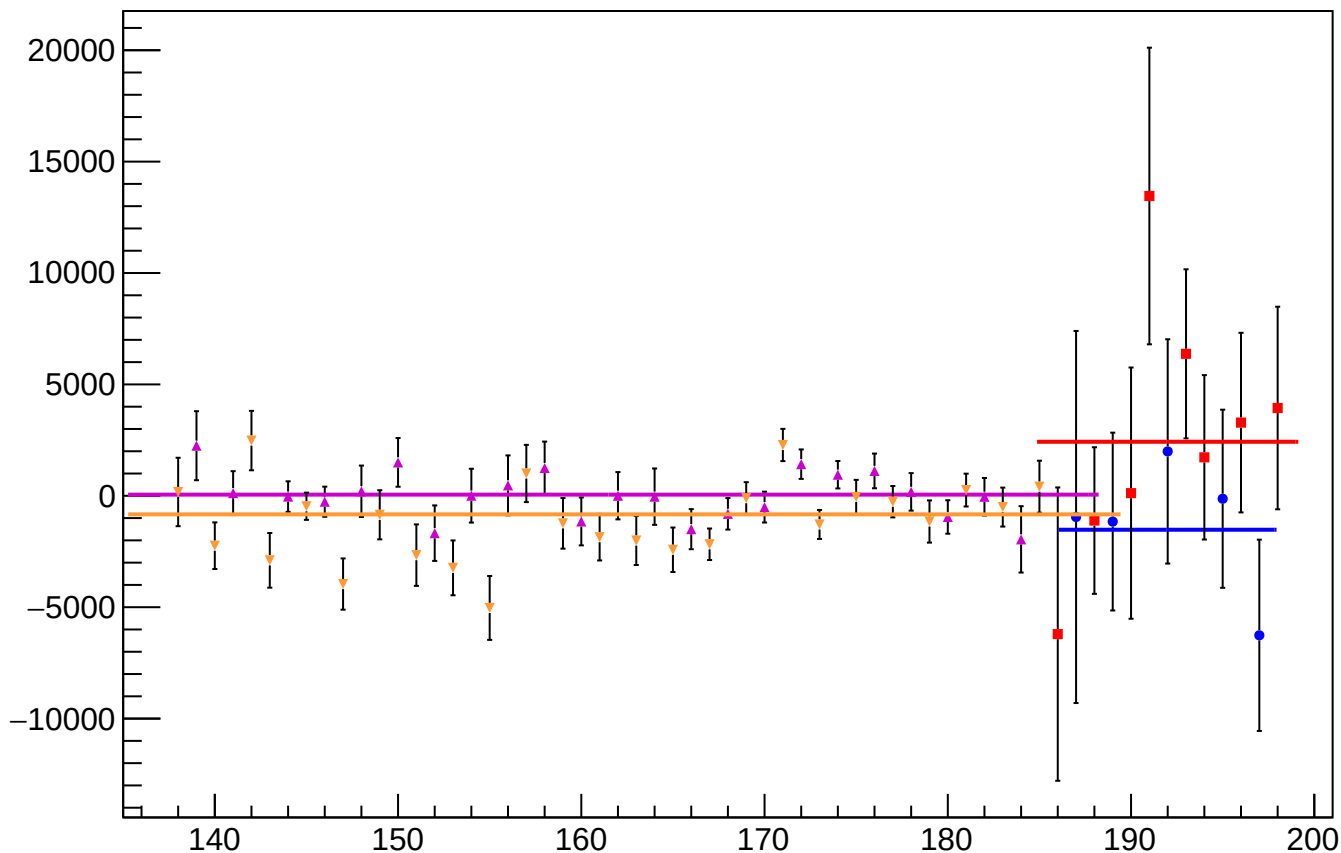
Right: 144.767 $\pm$ 0.025 χ^2 /NDF: 9370348.3/47

In: 104.890 $\pm$ 0.015 χ^2 /NDF:6346555.9/44

Out: 104.559 $\pm$ 0.015 χ^2 /NDF:9400155.6/50

All: 104.718 $\pm$ 0.011 χ^2 /NDF: 15746950.6/95

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -1523.190 $\pm$ 2069.837 χ^2 /NDF: 1.8/4

Left Out: -832.580 $\pm$ 183.960 χ^2 /NDF:68.8/24

Right Out: 2425.059 $\pm$ 1538.778 χ^2 /NDF: 7.1/7

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

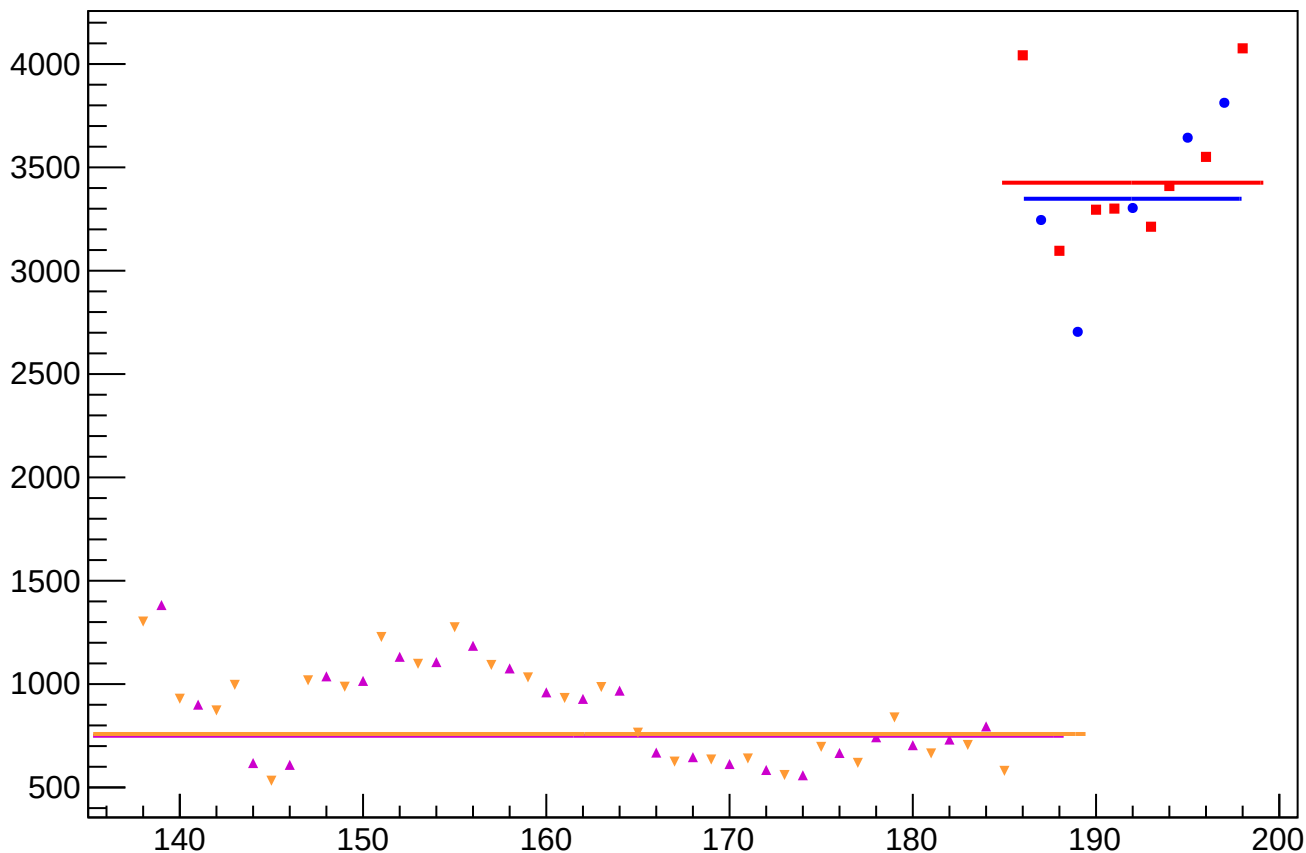
Right: 1019.658 $\pm$ 1234.906 χ^2 /NDF: 11.2/12

In: 40.531 $\pm$ 184.137 χ^2 /NDF:27.7/27

Out: -786.677 $\pm$ 182.660 χ^2 /NDF:80.3/32

All: -376.405 $\pm$ 129.679 χ^2 /NDF: 118.2/60

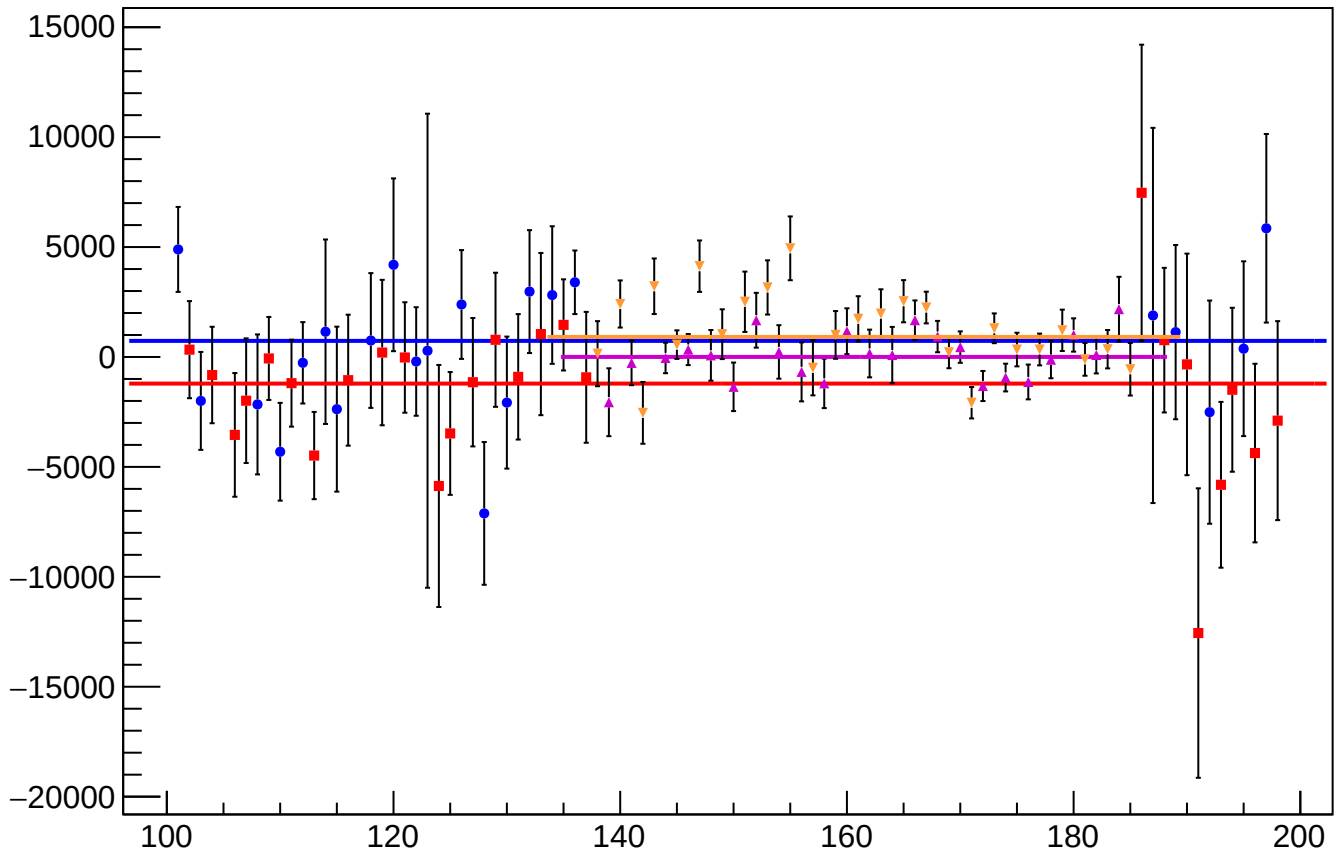
asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 3348.167 $\pm$ 1.464 χ^2 /NDF: 86821.2/4
 Left Out: 758.608 $\pm$ 0.130 χ^2 /NDF:2453711.9/24
 Right Out: 3425.848 $\pm$ 1.088 χ^2 /NDF: 88517.7/7
 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: 3398.197 $\pm$ 0.873 χ^2 /NDF: 177153.2/12
 In: 770.558 $\pm$ 0.130 χ^2 /NDF:5399841.7/27
 Out: 796.191 $\pm$ 0.129 χ^2 /NDF:8466563.2/32
 All: 783.478 $\pm$ 0.092 χ^2 /NDF: 13885939.3/60

asym_sam3_mean vs Slug, Sign Corrected



Right In: 732.088 $\pm$ 592.864 χ^2/NDF : 27.5/21

Left Out: 911.919 $\pm$ 186.104 χ^2/NDF : 64.9/24

Right Out: -1210.672 $\pm$ 561.428 χ^2/NDF : 15.9/25

Left In: 2.470 $\pm$ 187.271 χ^2/NDF : 25.6/22

Left: 460.036 $\pm$ 132.006 χ^2/NDF : 102.4/47

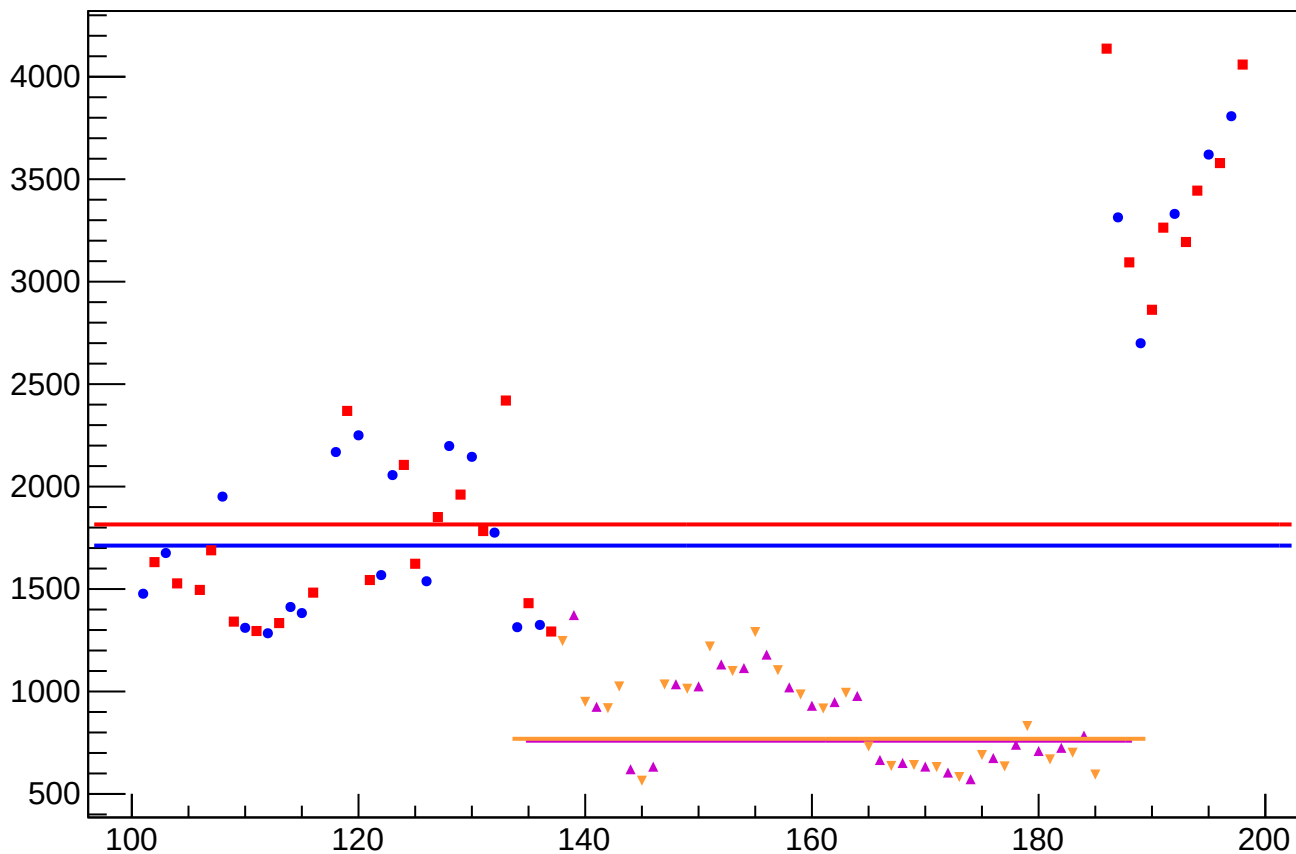
Right: -292.162 $\pm$ 407.650 χ^2/NDF : 49.1/47

In: 68.664 $\pm$ 178.574 χ^2/NDF : 54.5/44

Out: 701.776 $\pm$ 176.652 χ^2/NDF : 93.7/50

All: 388.646 $\pm$ 125.586 χ^2/NDF : 154.6/95

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1712.038 $\pm$ 0.419 χ^2 /NDF: 1938918.2/21

Left Out: 769.207 $\pm$ 0.132 χ^2 /NDF: 2275390.6/24

Right Out: 1815.234 $\pm$ 0.397 χ^2 /NDF: 3009566.9/25

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

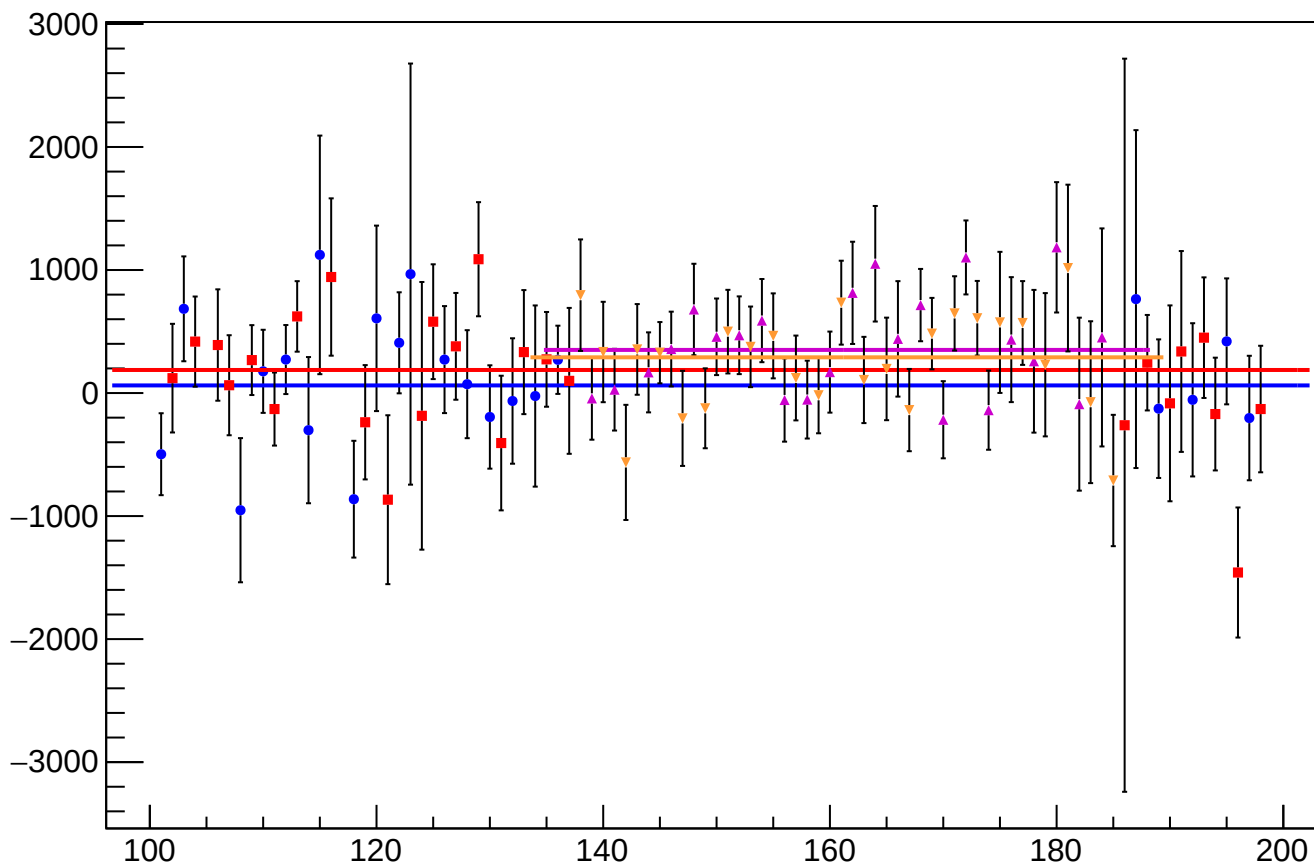
Right: 1766.445 $\pm$ 0.288 χ^2 /NDF: 4980432.2/47

In: 846.315 $\pm$ 0.126 χ^2 /NDF: 8643739.6/44

Out: 872.767 $\pm$ 0.125 χ^2 /NDF: 11540297.4/50

All: 859.684 $\pm$ 0.089 χ^2 /NDF: 20206217.4/95

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 61.932 ± 98.007 χ^2/NDF : 17.9/21

Left Out: 290.293 ± 72.910 χ^2/NDF : 22.3/24

Right Out: 187.467 ± 88.734 χ^2/NDF : 26.1/25

Left In: 350.522 ± 75.911 χ^2/NDF : 27.4/22

Left: 319.194 ± 52.584 χ^2/NDF : 50.1/47

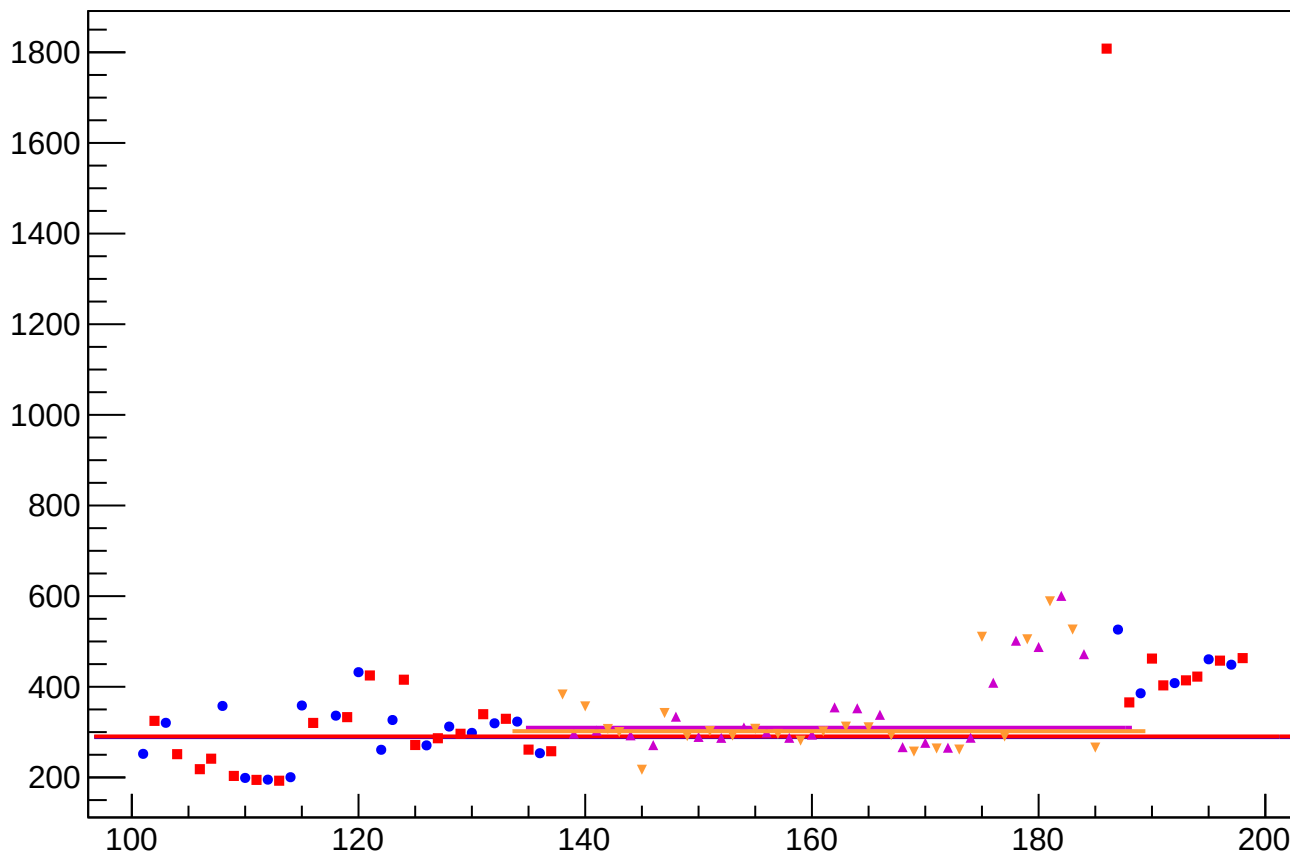
Right: 130.918 ± 65.779 χ^2/NDF : 45.0/47

In: 242.310 ± 60.014 χ^2/NDF : 50.7/44

Out: 248.850 ± 56.333 χ^2/NDF : 49.3/50

All: 245.787 ± 41.073 χ^2/NDF : 100.0/95

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 289.000 $\pm$ 0.069 χ^2 /NDF: 1256920.0/21

Left Out: 302.040 $\pm$ 0.052 χ^2 /NDF: 1597233.8/24

Right Out: 290.382 $\pm$ 0.063 χ^2 /NDF: 2362560.2/25

Left In: 309.609 $\pm$ 0.054 χ^2 /NDF: 1180280.8/22

Left: 305.672 $\pm$ 0.037 χ^2 /NDF: 2787857.1/47

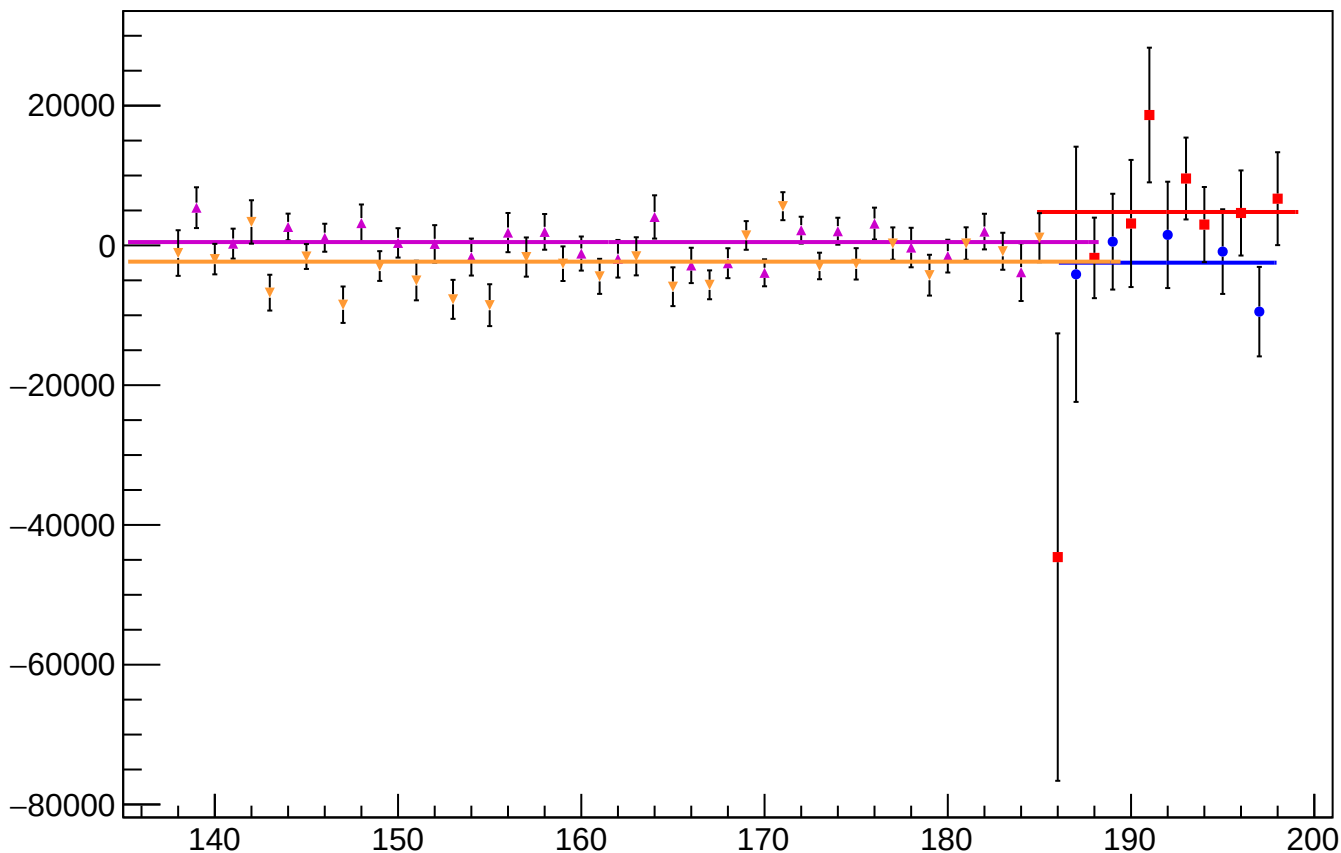
Right: 289.759 $\pm$ 0.047 χ^2 /NDF: 3619698.7/47

In: 301.881 $\pm$ 0.042 χ^2 /NDF: 2492477.5/44

Out: 297.342 $\pm$ 0.040 χ^2 /NDF: 3980404.6/50

All: 299.468 $\pm$ 0.029 χ^2 /NDF: 6478966.5/95

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -2472.791 $\pm$ 3275.543 χ^2 /NDF: 1.7/4

Left Out: -2325.488 $\pm$ 486.043 χ^2 /NDF:49.8/24

Right Out: 4781.695 $\pm$ 2444.957 χ^2 /NDF: 6.7/7

Left In: 477.779 $\pm$ 494.228 χ^2 /NDF:23.1/22

Left: -947.260 $\pm$ 346.542 χ^2 /NDF: 89.2/47

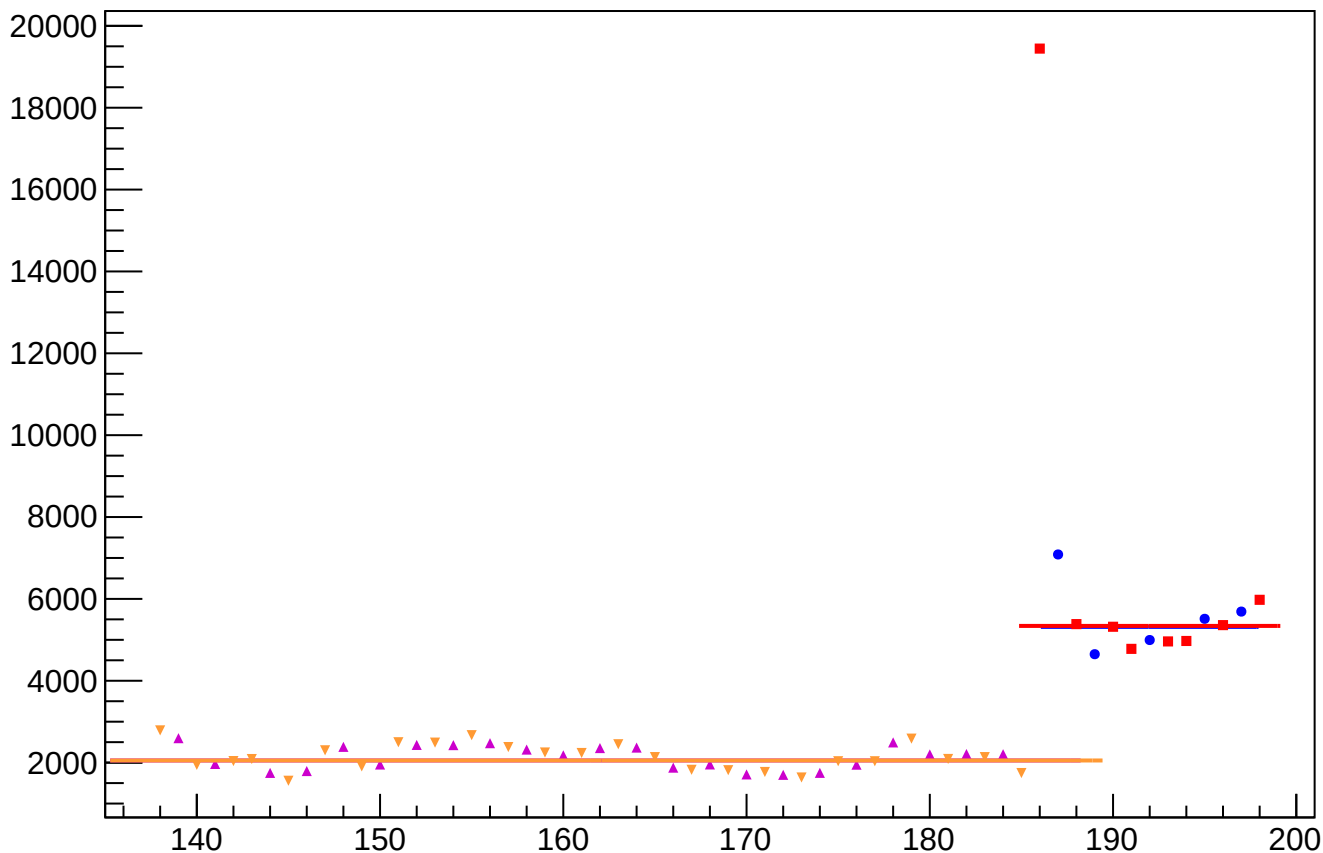
Right: 2186.018 $\pm$ 1959.320 χ^2 /NDF: 11.5/12

In: 412.101 $\pm$ 488.697 χ^2 /NDF:25.6/27

Out: -2055.296 $\pm$ 476.715 χ^2 /NDF:64.6/32

All: -852.216 $\pm$ 341.246 χ^2 /NDF: 103.3/60

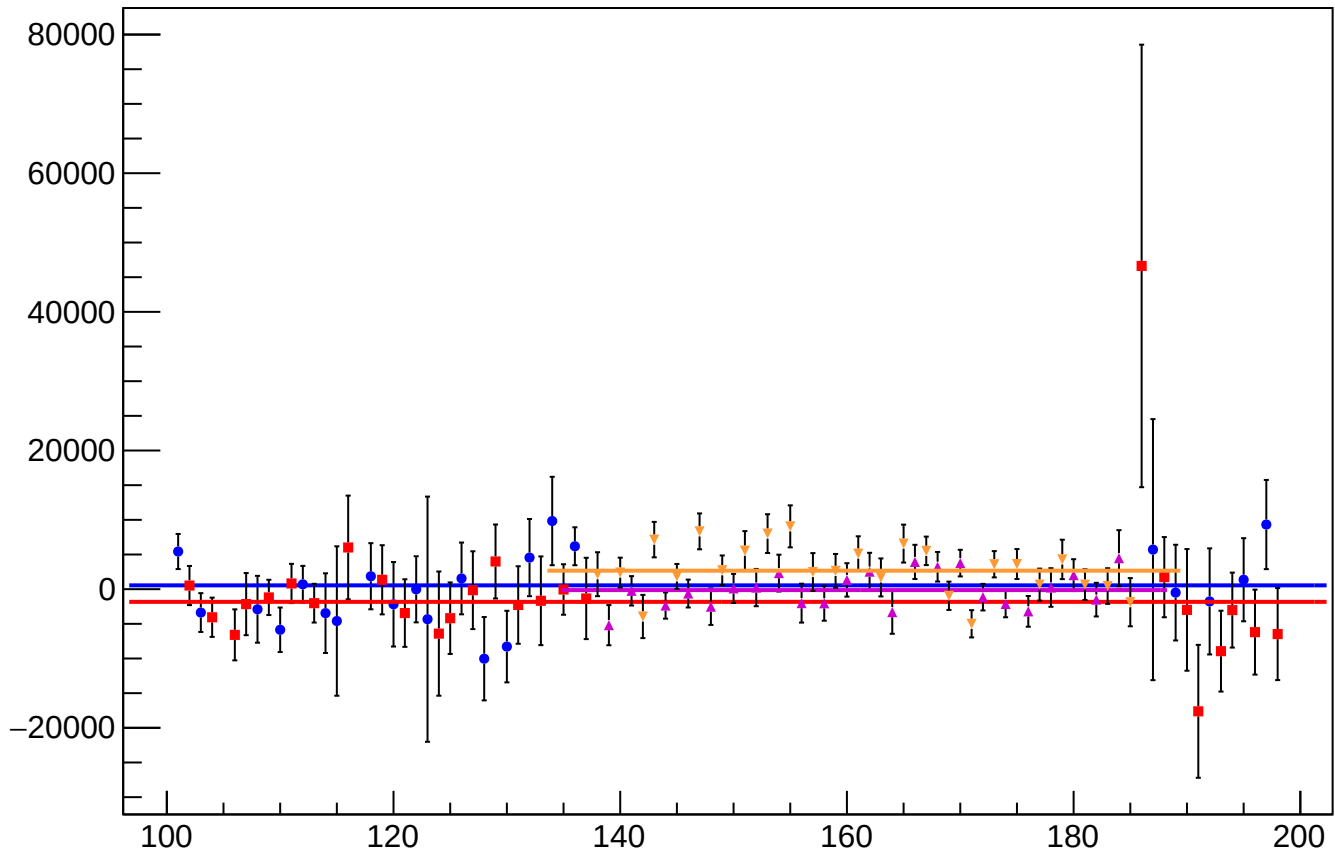
asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 5316.824+/-2.316 χ^2/NDF : 50228.4/4
 Left Out: 2052.401+/-0.344 χ^2/NDF : 838023.2/24
 Right Out: 5339.973+/-1.729 χ^2/NDF : 431288.4/7
 Left In: 2052.384+/-0.349 χ^2/NDF : 653872.2/22

Left: 2052.392+/-0.245 χ^2/NDF : 1491895.3/47
 Right: 5331.690+/-1.385 χ^2/NDF : 481581.0/12
 In: 2125.048+/-0.346 χ^2/NDF : 2646346.7/27
 Out: 2177.383+/-0.337 χ^2/NDF : 4747920.5/32
 All: 2151.865+/-0.241 χ^2/NDF : 7406020.4/60

asym_sam4_mean vs Slug, Sign Corrected



Right In: 551.196+/-949.970 χ^2/NDF : 26.3/21

Left Out: 2667.050+/-480.963 χ^2/NDF :50.0/24

Right Out: -1828.527+/-867.921 χ^2/NDF : 15.5/25

Left In: -132.307+/-489.752 χ^2/NDF :24.7/22

Left: 1292.715+/-343.157 χ^2/NDF : 91.3/47

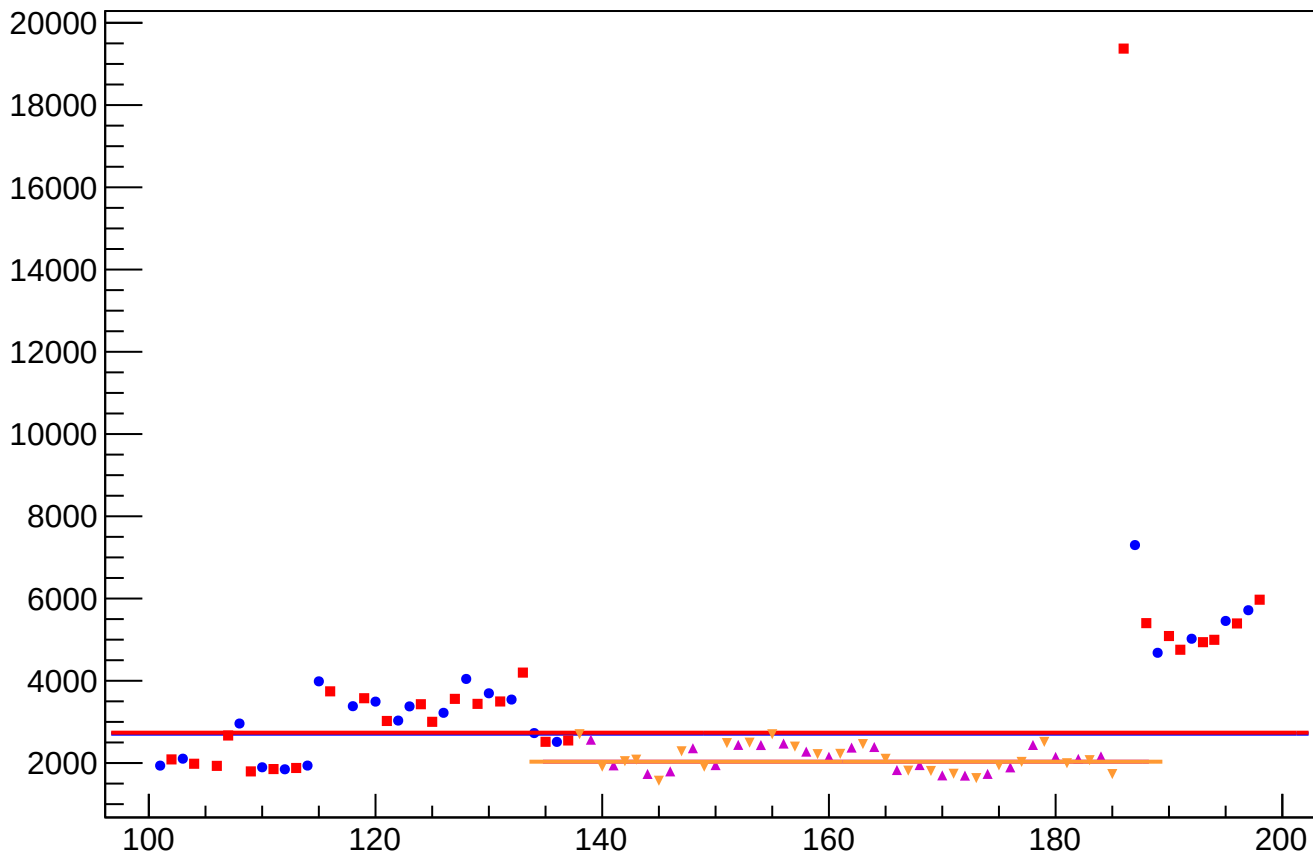
Right: -745.853+/-640.760 χ^2/NDF : 45.2/47

In: 11.213+/-435.307 χ^2/NDF :51.4/44

Out: 1610.857+/-420.687 χ^2/NDF :86.0/50

All: 838.349+/-302.507 χ^2/NDF : 144.4/95

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2713.319+/-0.672 χ^2/NDF : 2339862.4/21

Left Out: 2032.502+/-0.340 χ^2/NDF : 824418.6/24

Right Out: 2738.073+/-0.614 χ^2/NDF : 4032623.2/25

Left In: 2031.692+/-0.346 χ^2/NDF : 653382.0/22

Left: 2032.104+/-0.243 χ^2/NDF : 1477803.4/47

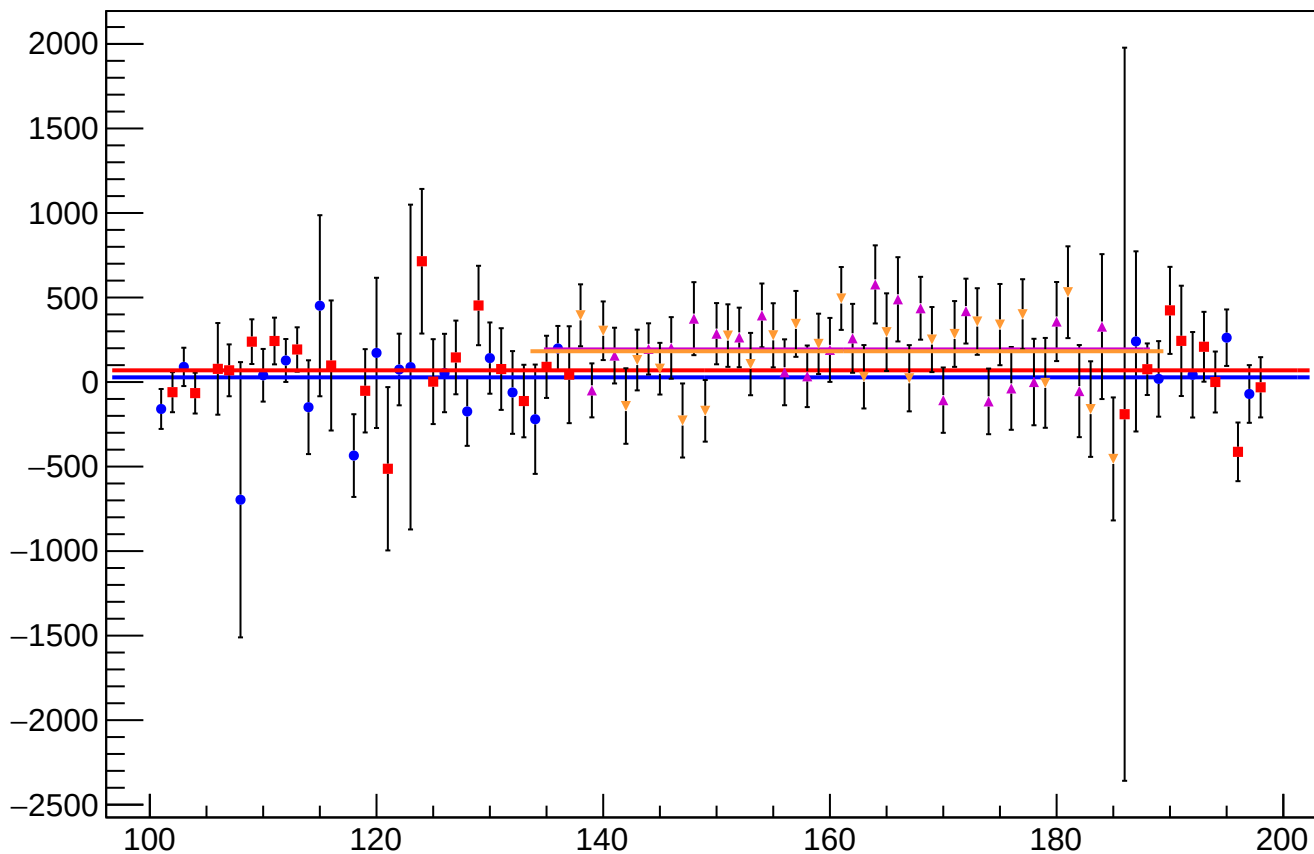
Right: 2726.811+/-0.453 χ^2/NDF : 6373225.7/47

In: 2174.818+/-0.308 χ^2/NDF : 3806718.2/44

Out: 2198.269+/-0.297 χ^2/NDF : 5868263.0/50

All: 2186.944+/-0.214 χ^2/NDF : 9677982.5/95

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 27.854 $\pm$ 41.778 χ^2/NDF : 15.1/21

Left Out: 182.238 $\pm$ 40.102 χ^2/NDF :26.9/24

Right Out: 69.291 $\pm$ 37.298 χ^2/NDF : 25.0/25

Left In: 193.004 $\pm$ 41.384 χ^2/NDF :21.1/22

Left: 187.451 $\pm$ 28.799 χ^2/NDF : 48.0/47

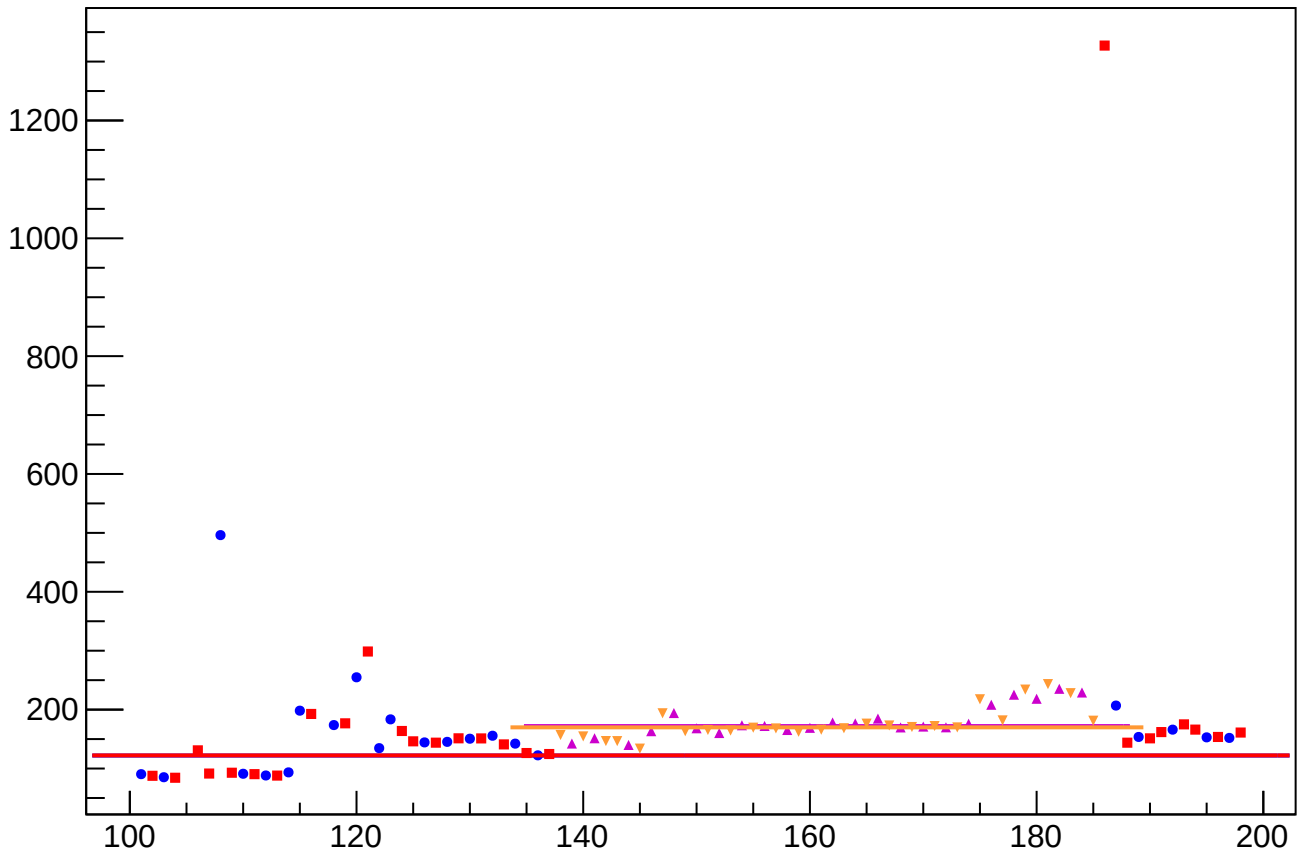
Right: 50.913 $\pm$ 27.823 χ^2/NDF : 40.6/47

In: 111.211 $\pm$ 29.401 χ^2/NDF :44.1/44

Out: 121.678 $\pm$ 27.311 χ^2/NDF :56.1/50

All: 116.830 $\pm$ 20.010 χ^2/NDF : 100.3/95

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 122.029+/-0.030 χ^2/NDF : 1749765.4/21

Left Out: 169.906+/-0.028 χ^2/NDF : 663159.2/24

Right Out: 122.285+/-0.026 χ^2/NDF : 2475406.6/25

Left In: 172.065+/-0.029 χ^2/NDF : 589733.9/22

Left: 170.952+/-0.020 χ^2/NDF : 1255701.2/47

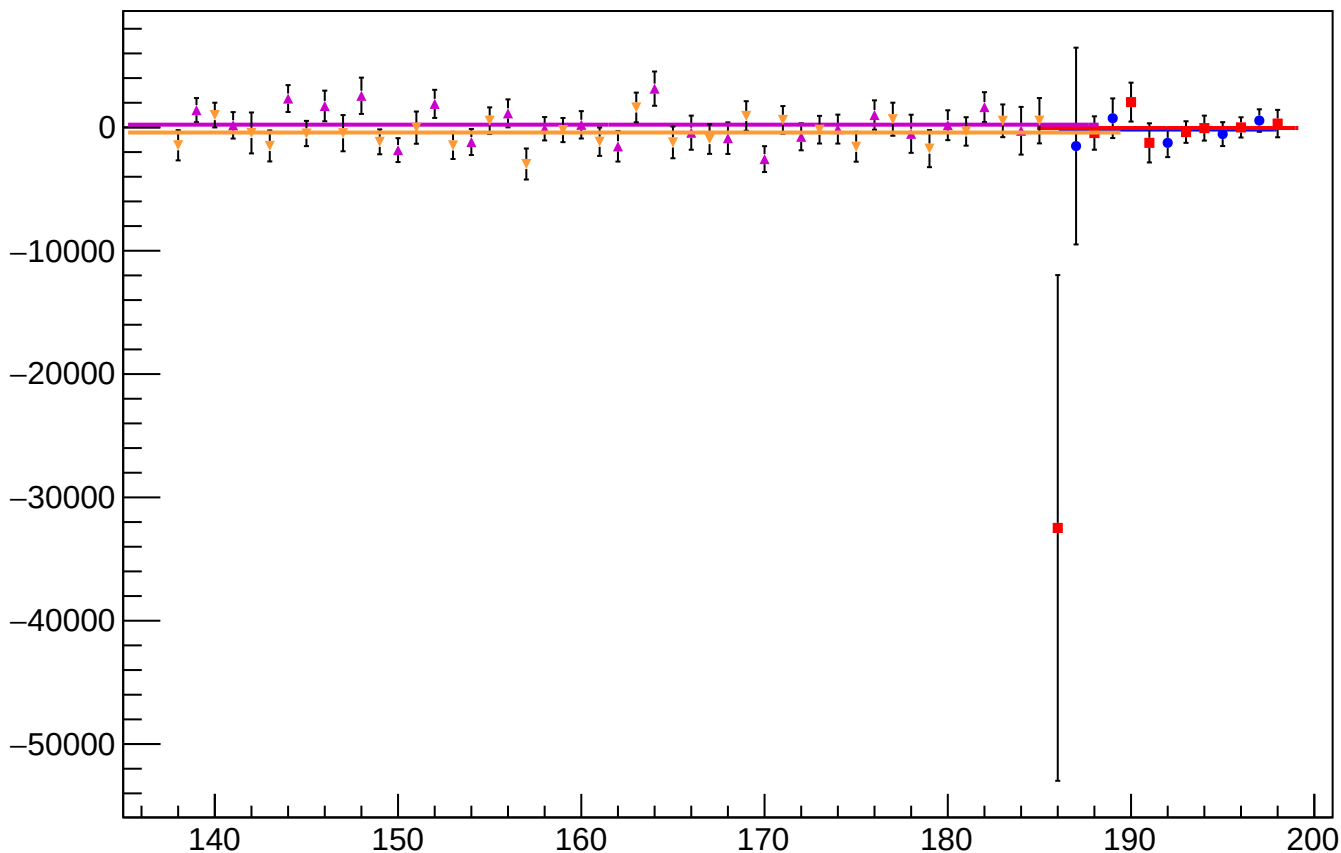
Right: 122.172+/-0.020 χ^2/NDF : 4225214.1/47

In: 147.284+/-0.021 χ^2/NDF : 3787511.3/44

Out: 144.373+/-0.019 χ^2/NDF : 4650733.2/50

All: 145.721+/-0.014 χ^2/NDF : 8448769.3/95

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -170.187+/-540.709 χ^2 /NDF: 2.0/4

Left Out: -412.804+/-240.278 χ^2 /NDF:19.0/24

Right Out: -48.399+/-411.040 χ^2 /NDF: 5.2/7

Left In: 223.332+/-243.771 χ^2 /NDF:36.0/22

Left: -99.327+/-171.124 χ^2 /NDF: 58.5/47

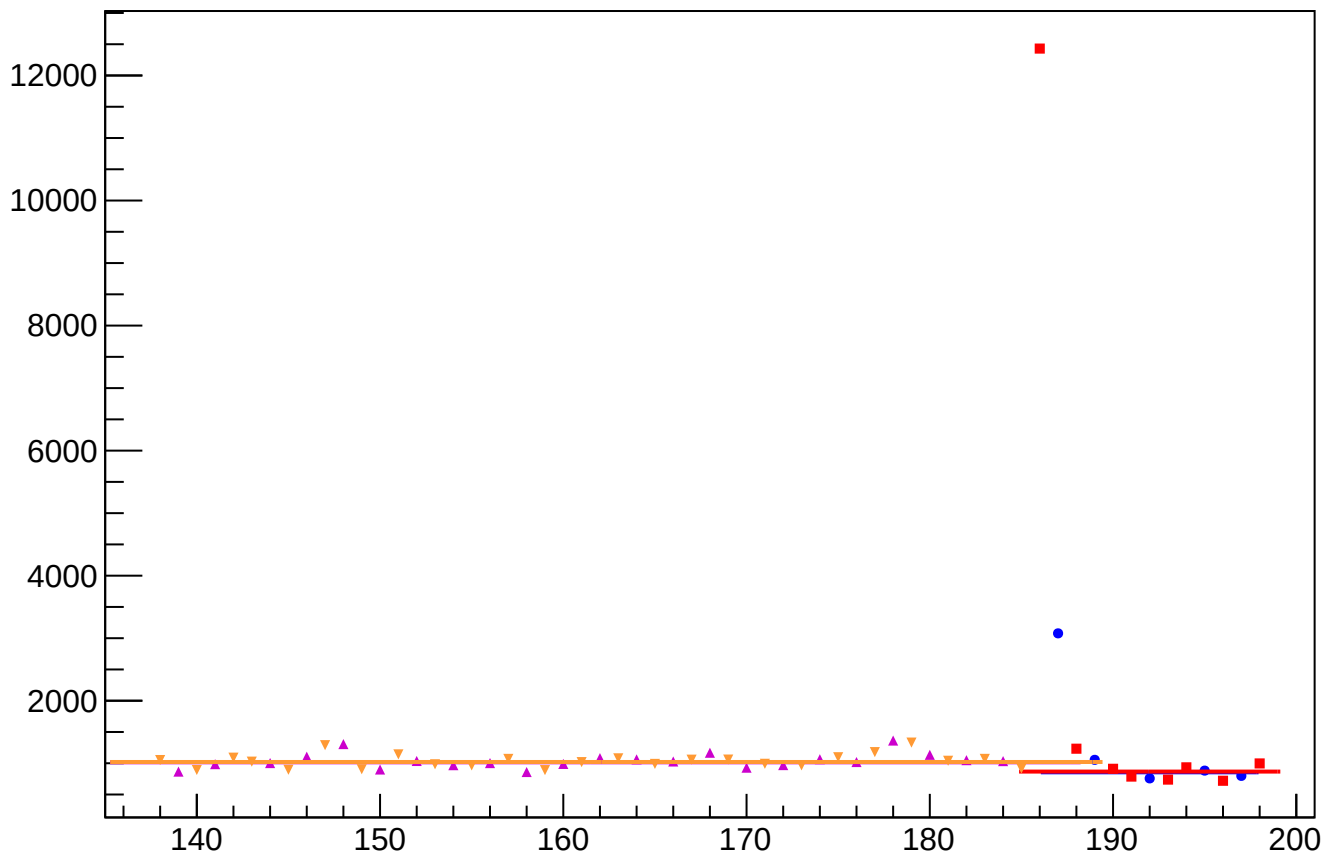
Right: -93.002+/-327.225 χ^2 /NDF: 7.2/12

In: 156.859+/-222.231 χ^2 /NDF:38.5/27

Out: -319.996+/-207.436 χ^2 /NDF:24.8/32

All: -97.968+/-151.640 χ^2 /NDF: 65.7/60

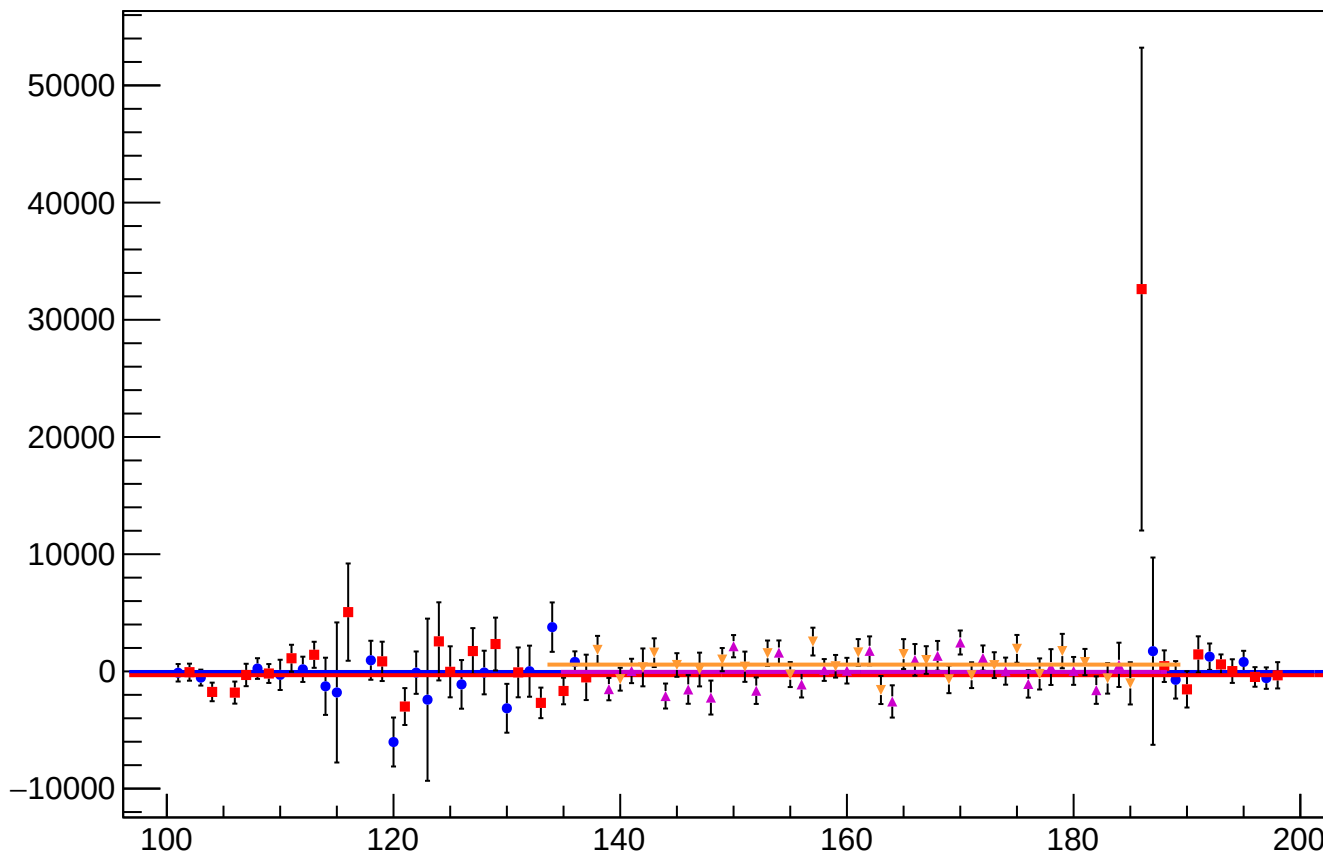
asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 854.955 $\pm$ 0.382 χ^2 /NDF: 209669.0/4
 Left Out: 1020.149 $\pm$ 0.170 χ^2 /NDF: 369866.7/24
 Right Out: 866.697 $\pm$ 0.291 χ^2 /NDF: 932269.4/7
 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: 862.396 $\pm$ 0.231 χ^2 /NDF: 1142536.1/12
 In: 987.965 $\pm$ 0.157 χ^2 /NDF: 760157.4/27
 Out: 981.067 $\pm$ 0.147 χ^2 /NDF: 1509889.3/32
 All: 984.279 $\pm$ 0.107 χ^2 /NDF: 2271076.3/60

asym_sam5_mean vs Slug, Sign Corrected



Right In: -48.876 ± 269.846 χ^2/NDF : 19.1/21

Left Out: 580.226 ± 235.583 χ^2/NDF : 18.4/24

Right Out: -322.585 ± 234.285 χ^2/NDF : 29.1/25

Left In: -42.397 ± 239.278 χ^2/NDF : 37.9/22

Left: 273.759 ± 167.873 χ^2/NDF : 59.7/47

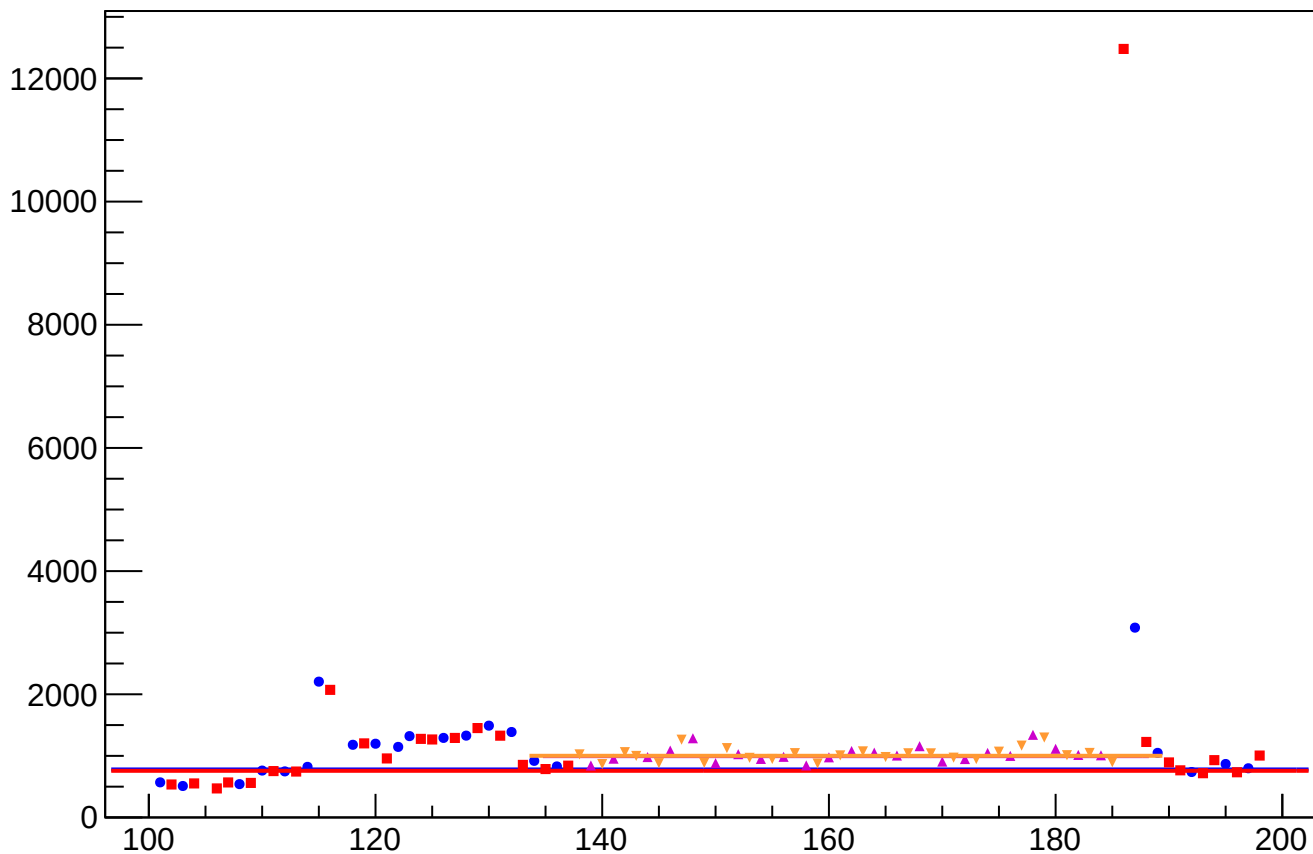
Right: -204.942 ± 176.911 χ^2/NDF : 48.7/47

In: -45.249 ± 179.031 χ^2/NDF : 56.9/44

Out: 126.326 ± 166.121 χ^2/NDF : 54.9/50

All: 46.947 ± 121.774 χ^2/NDF : 112.3/95

asym_sam5_rms vs Slug, Sign Corrected



Right In: 779.409 $\pm$ 0.191 χ^2 /NDF: 1965376.7/21

Left Out: 1001.233 $\pm$ 0.167 χ^2 /NDF: 370278.3/24

Right Out: 757.665 $\pm$ 0.166 χ^2 /NDF: 2800065.0/25

Left In: 995.590 $\pm$ 0.169 χ^2 /NDF: 424434.6/22

Left: 998.455 $\pm$ 0.119 χ^2 /NDF: 795277.7/47

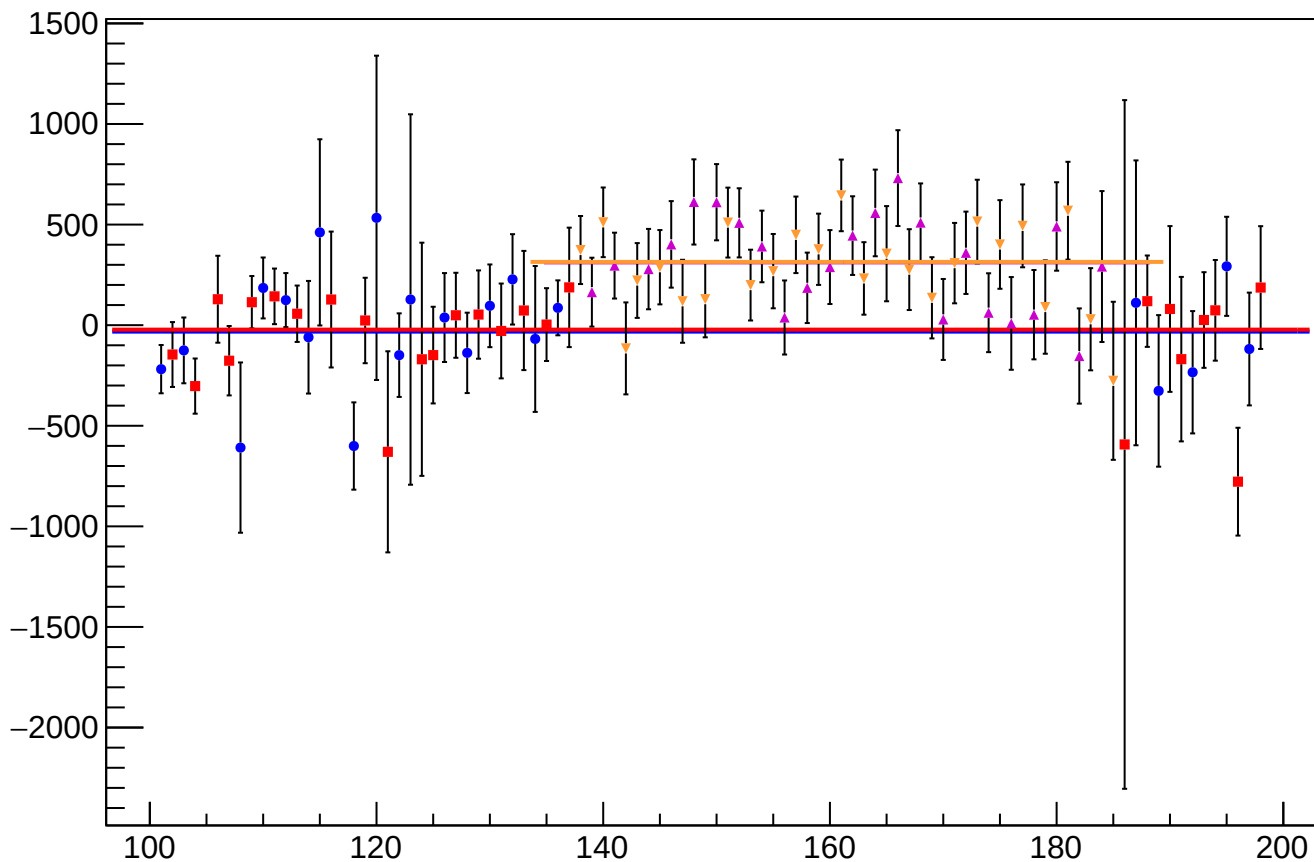
Right: 767.011 $\pm$ 0.125 χ^2 /NDF: 4772846.2/47

In: 900.432 $\pm$ 0.127 χ^2 /NDF: 3108409.1/44

Out: 878.776 $\pm$ 0.117 χ^2 /NDF: 4245187.7/50

All: 888.795 $\pm$ 0.086 χ^2 /NDF: 7369322.1/95

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.048 ± 45.863 $\chi^2/\text{NDF}: 22.7/21$

Left Out: 314.517 ± 39.818 $\chi^2/\text{NDF}: 21.4/24$

Right Out: -22.144 ± 41.936 $\chi^2/\text{NDF}: 21.1/25$

Left In: 312.097 ± 41.646 $\chi^2/\text{NDF}: 26.9/22$

Left: 313.361 ± 28.780 $\chi^2/\text{NDF}: 48.3/47$

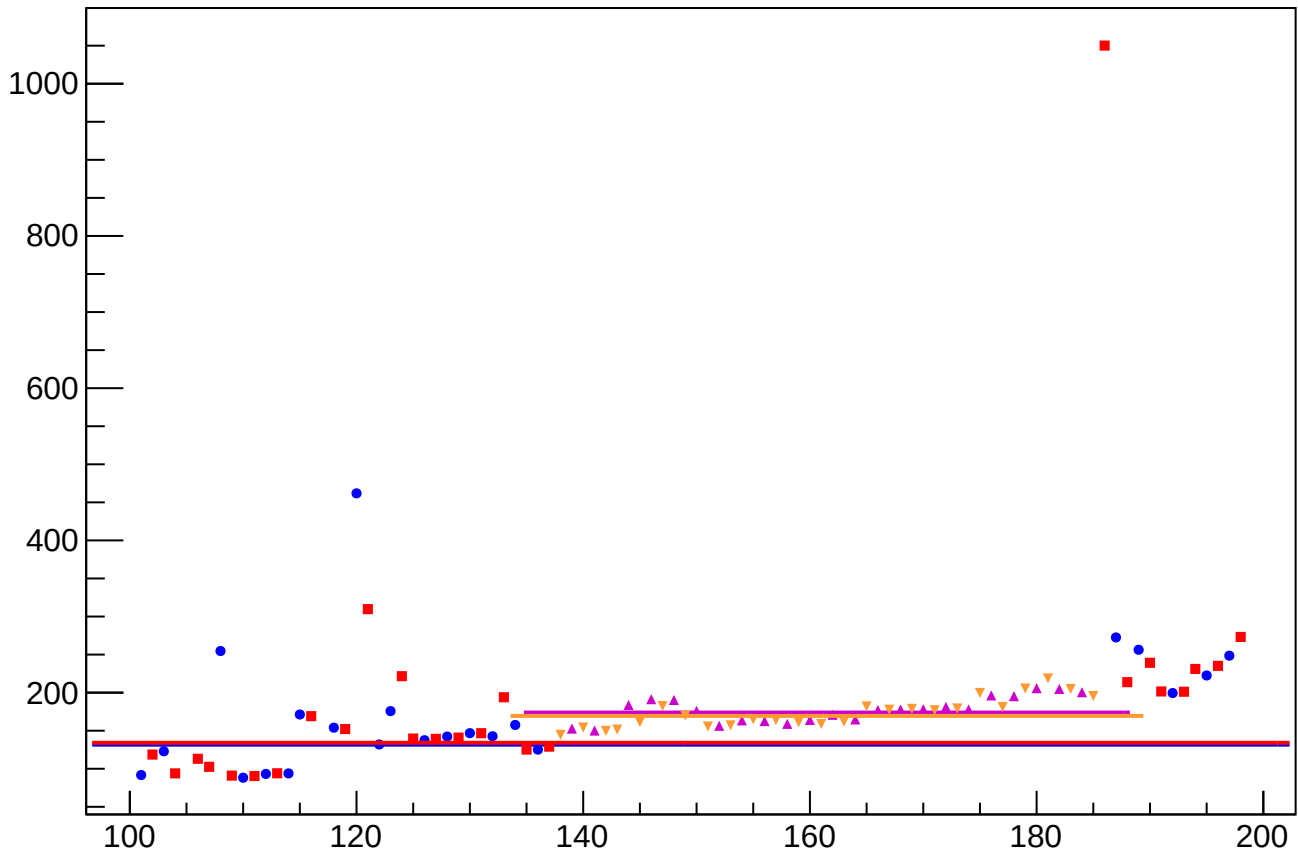
Right: -26.654 ± 30.948 $\chi^2/\text{NDF}: 43.8/47$

In: 156.572 ± 30.831 $\chi^2/\text{NDF}: 80.4/44$

Out: 154.902 ± 28.875 $\chi^2/\text{NDF}: 76.4/50$

All: 155.682 ± 21.075 $\chi^2/\text{NDF}: 156.8/95$

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 131.655 $\pm$ 0.032 χ^2 /NDF: 2192297.8/21

Left Out: 169.432 $\pm$ 0.028 χ^2 /NDF: 386461.5/24

Right Out: 134.125 $\pm$ 0.030 χ^2 /NDF: 3447206.3/25

Left In: 173.847 $\pm$ 0.029 χ^2 /NDF: 291729.8/22

Left: 171.540 $\pm$ 0.020 χ^2 /NDF: 689934.9/47

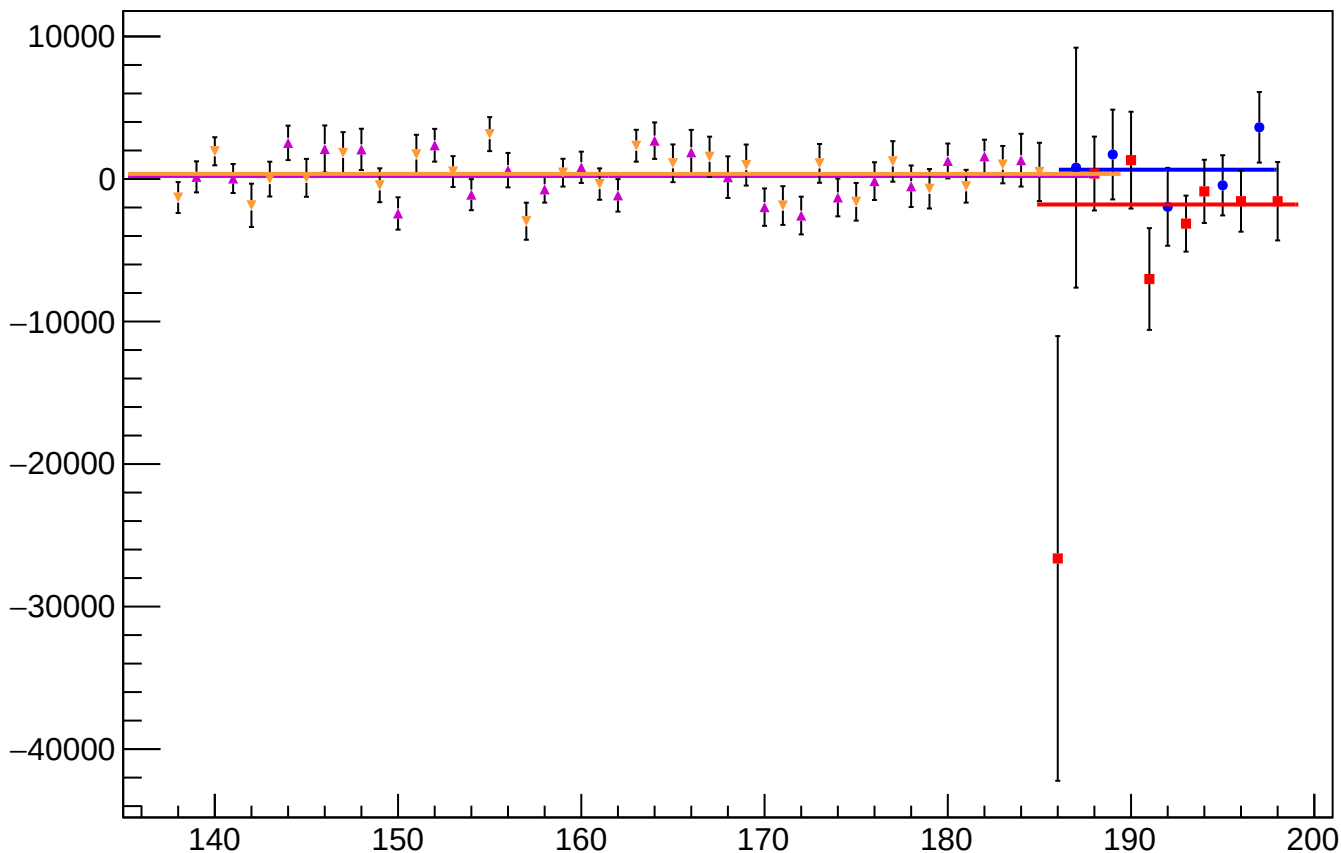
Right: 133.000 $\pm$ 0.022 χ^2 /NDF: 5642665.0/47

In: 154.779 $\pm$ 0.022 χ^2 /NDF: 3411739.9/44

Out: 152.692 $\pm$ 0.020 χ^2 /NDF: 4579195.2/50

All: 153.668 $\pm$ 0.015 χ^2 /NDF: 7995816.8/95

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 650.912 $\pm$ 1253.193 χ^2 /NDF: 2.7/4

Left Out: 356.612 $\pm$ 250.934 χ^2 /NDF:33.4/24

Right Out: -1788.555 $\pm$ 940.410 χ^2 /NDF: 6.9/7

Left In: 212.007 $\pm$ 257.383 χ^2 /NDF:36.0/22

Left: 286.144 $\pm$ 179.674 χ^2 /NDF: 69.6/47

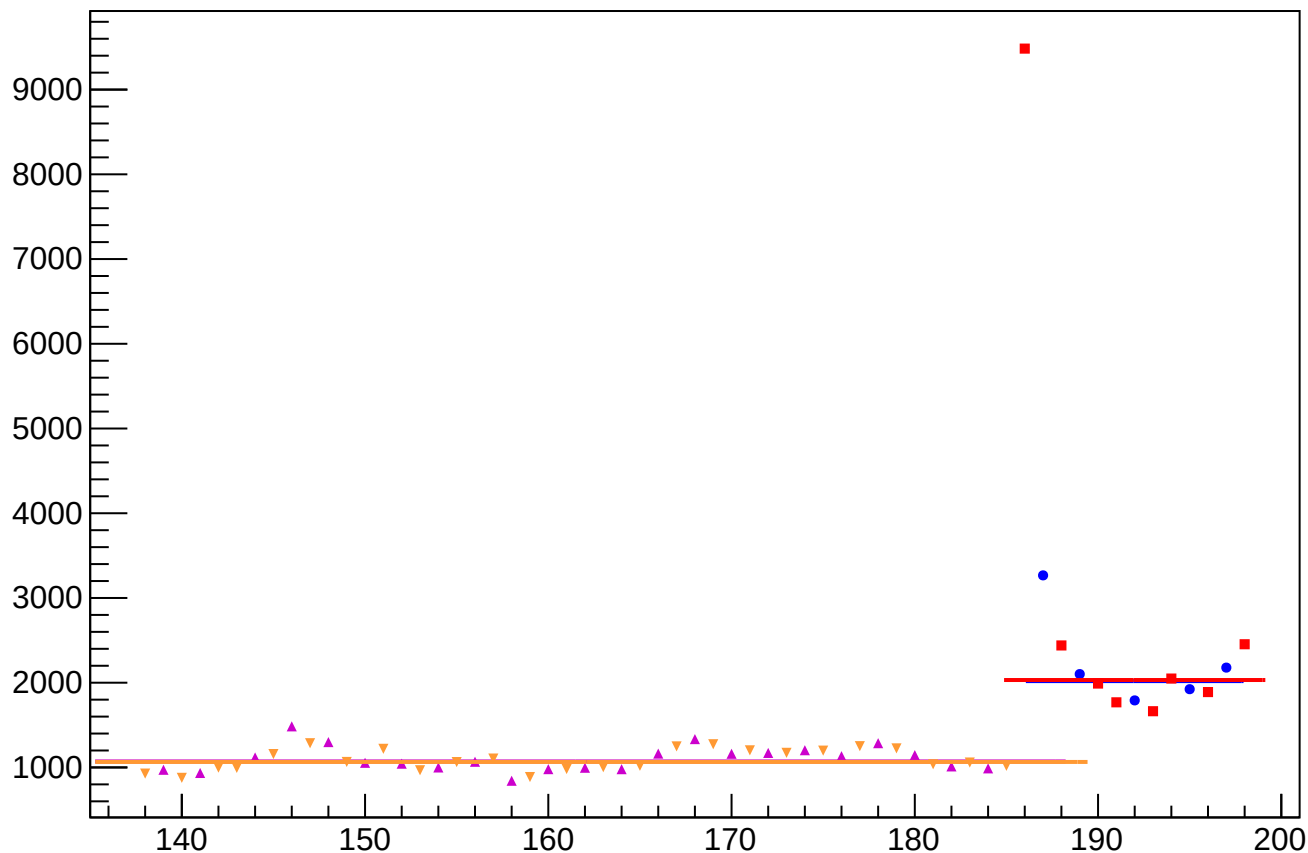
Right: -909.730 $\pm$ 752.179 χ^2 /NDF: 12.0/12

In: 229.771 $\pm$ 252.121 χ^2 /NDF:38.9/27

Out: 214.026 $\pm$ 242.451 χ^2 /NDF:45.1/32

All: 221.591 $\pm$ 174.757 χ^2 /NDF: 84.0/60

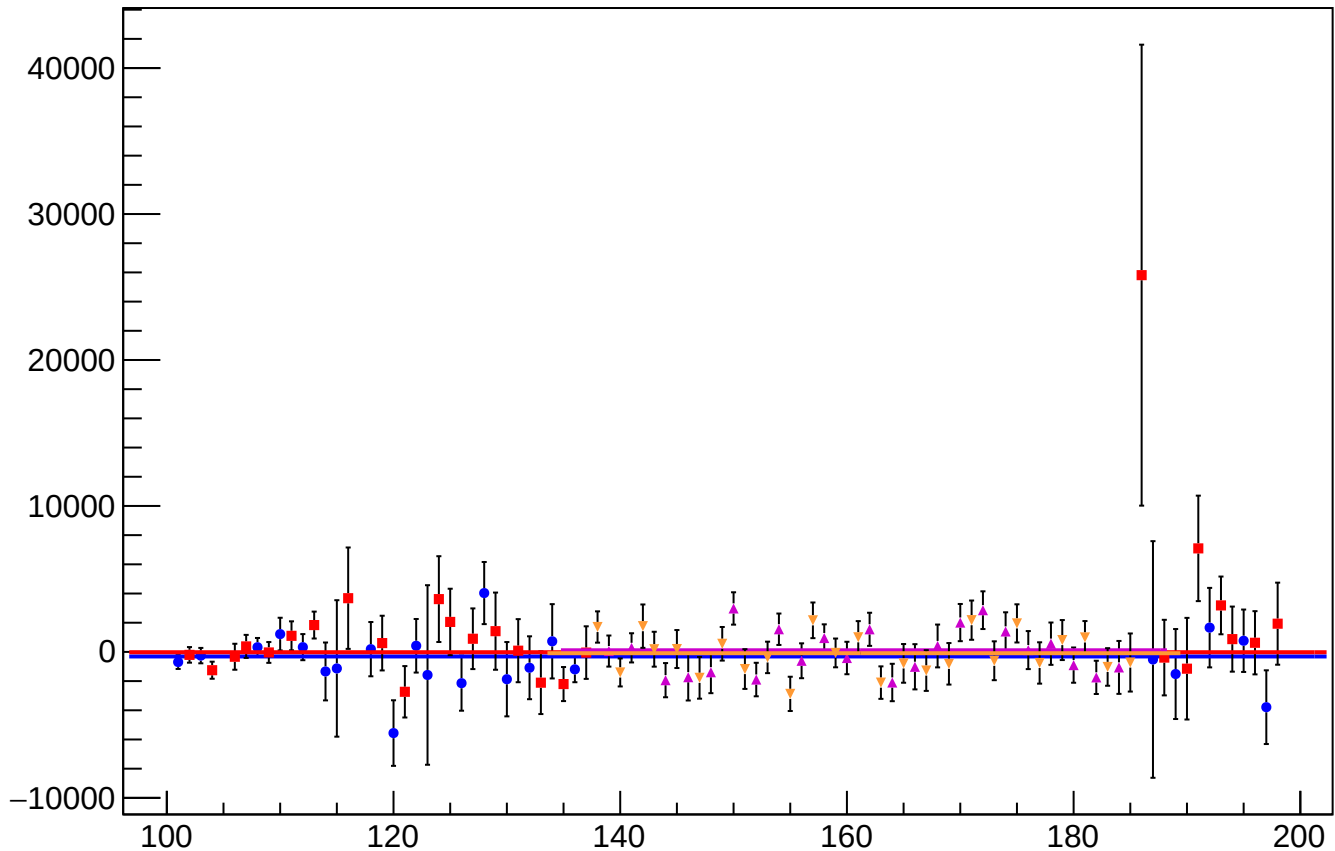
asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 2018.967 $\pm$ 0.886 χ^2 /NDF: 71584.3/4
 Left Out: 1064.868 $\pm$ 0.177 χ^2 /NDF: 493614.2/24
 Right Out: 2031.718 $\pm$ 0.665 χ^2 /NDF: 643384.9/7
 Left In: 1070.694 $\pm$ 0.182 χ^2 /NDF: 570407.8/22

Left: 1067.707 $\pm$ 0.127 χ^2 /NDF: 1064547.2/47
 Right: 2027.125 $\pm$ 0.532 χ^2 /NDF: 715101.7/12
 In: 1109.074 $\pm$ 0.178 χ^2 /NDF: 1740790.7/27
 Out: 1129.133 $\pm$ 0.171 χ^2 /NDF: 3110524.3/32
 All: 1119.496 $\pm$ 0.124 χ^2 /NDF: 4857892.3/60

asym_sam6_mean vs Slug, Sign Corrected



Right In: -311.812 ± 245.252 χ^2/NDF : 19.7/21

Left Out: -89.632 ± 247.271 χ^2/NDF : 31.0/24

Right Out: -21.291 ± 239.692 χ^2/NDF : 31.3/25

Left In: 110.879 ± 254.337 χ^2/NDF : 35.2/22

Left: 7.800 ± 177.292 χ^2/NDF : 66.4/47

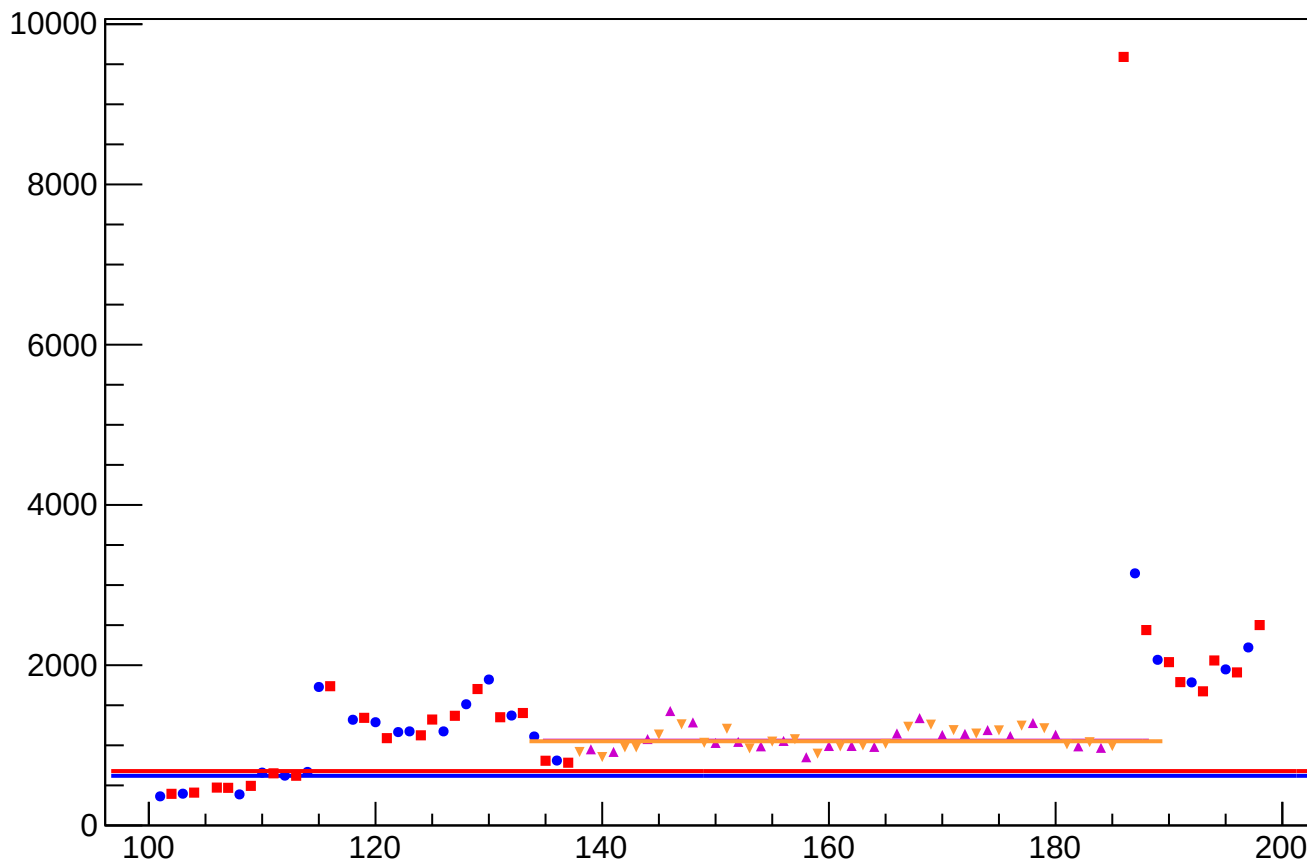
Right: -163.221 ± 171.420 χ^2/NDF : 51.6/47

In: -108.151 ± 176.544 χ^2/NDF : 56.3/44

Out: -54.398 ± 172.105 χ^2/NDF : 62.3/50

All: -80.590 ± 123.236 χ^2/NDF : 118.6/95

asym_sam6_rms vs Slug, Sign Corrected



Right In: 619.633+/-0.173 χ^2/NDF : 5938871.5/21

Left Out: 1050.918+/-0.175 χ^2/NDF : 483477.5/24

Right Out: 678.832+/-0.169 χ^2/NDF : 7918143.4/25

Left In: 1058.154+/-0.180 χ^2/NDF : 532260.0/22

Left: 1054.434+/-0.125 χ^2/NDF : 1016569.7/47

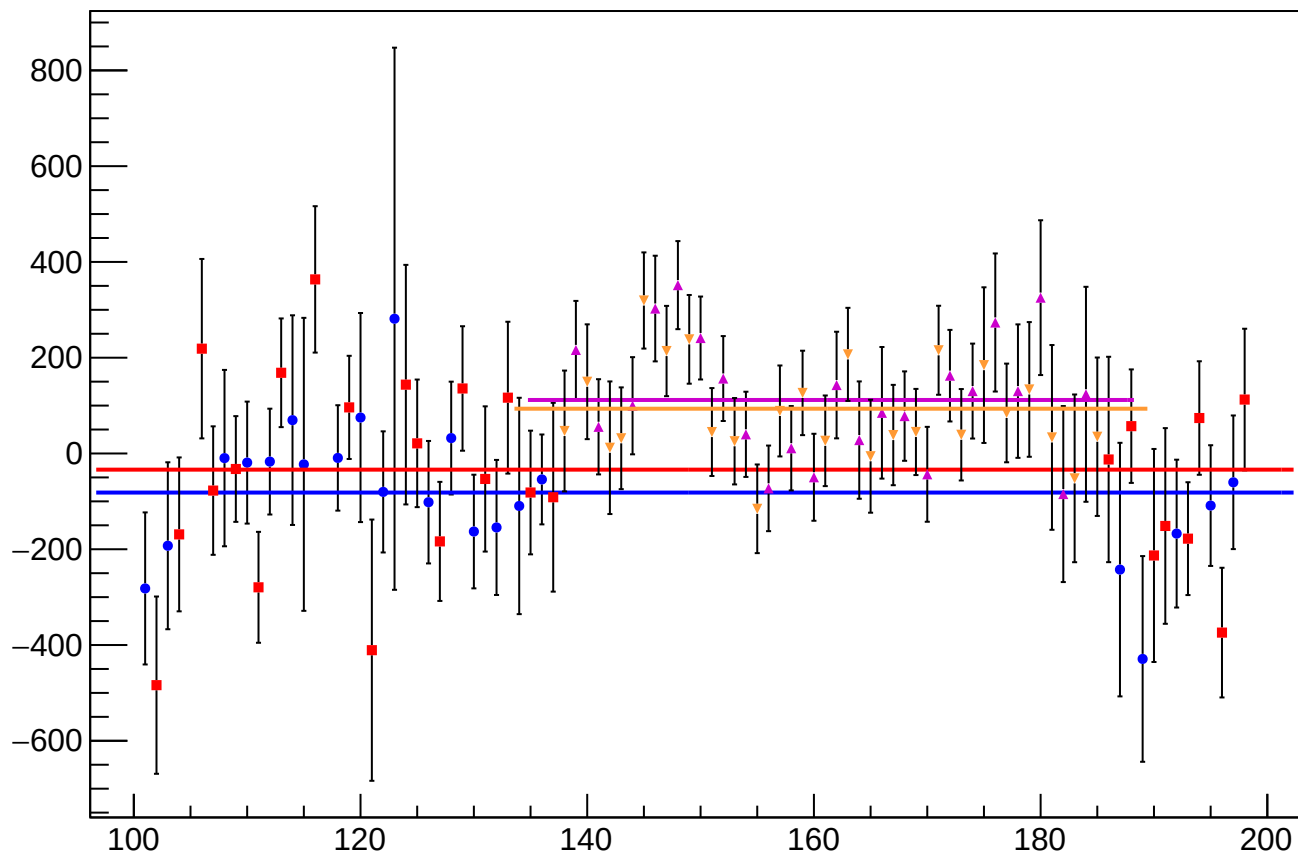
Right: 649.911+/-0.121 χ^2/NDF : 13916614.9/47

In: 830.921+/-0.125 χ^2/NDF : 9551976.3/44

Out: 859.085+/-0.122 χ^2/NDF : 10736425.8/50

All: 845.362+/-0.087 χ^2/NDF : 20314499.9/95

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -81.625 ± 31.218 χ^2/NDF : 9.8/21

Left Out: 93.496 ± 21.284 χ^2/NDF : 22.8/24

Right Out: -33.759 ± 28.013 χ^2/NDF : 42.5/25

Left In: 111.732 ± 21.971 χ^2/NDF : 30.7/22

Left: 102.325 ± 15.287 χ^2/NDF : 53.8/47

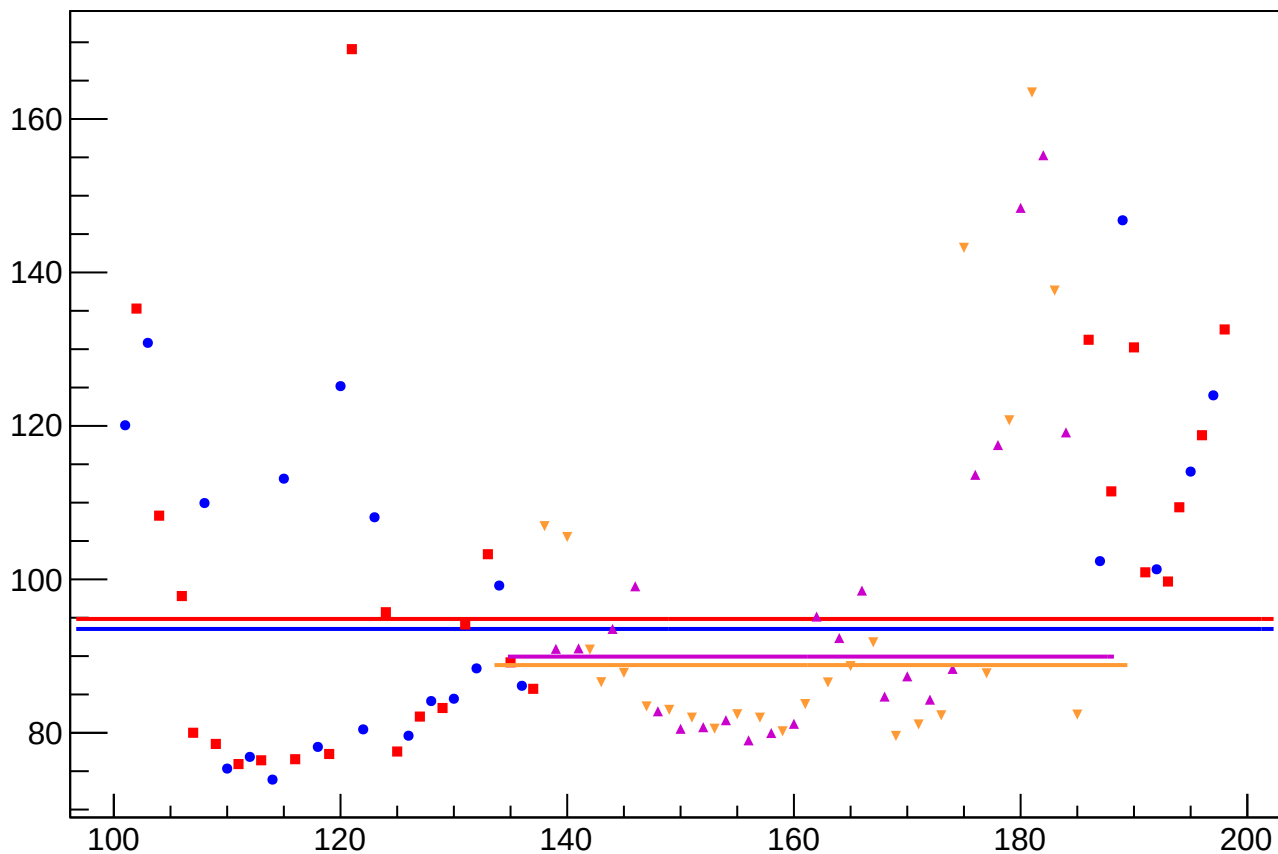
Right: -55.109 ± 20.849 χ^2/NDF : 53.6/47

In: 47.683 ± 17.967 χ^2/NDF : 66.1/44

Out: 46.920 ± 16.947 χ^2/NDF : 78.4/50

All: 47.279 ± 12.328 χ^2/NDF : 144.5/95

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 93.537 $\pm$ 0.022 χ^2 /NDF: 720677.7/21

Left Out: 88.830 $\pm$ 0.015 χ^2 /NDF: 1000651.2/24

Right Out: 94.842 $\pm$ 0.020 χ^2 /NDF: 974311.6/25

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

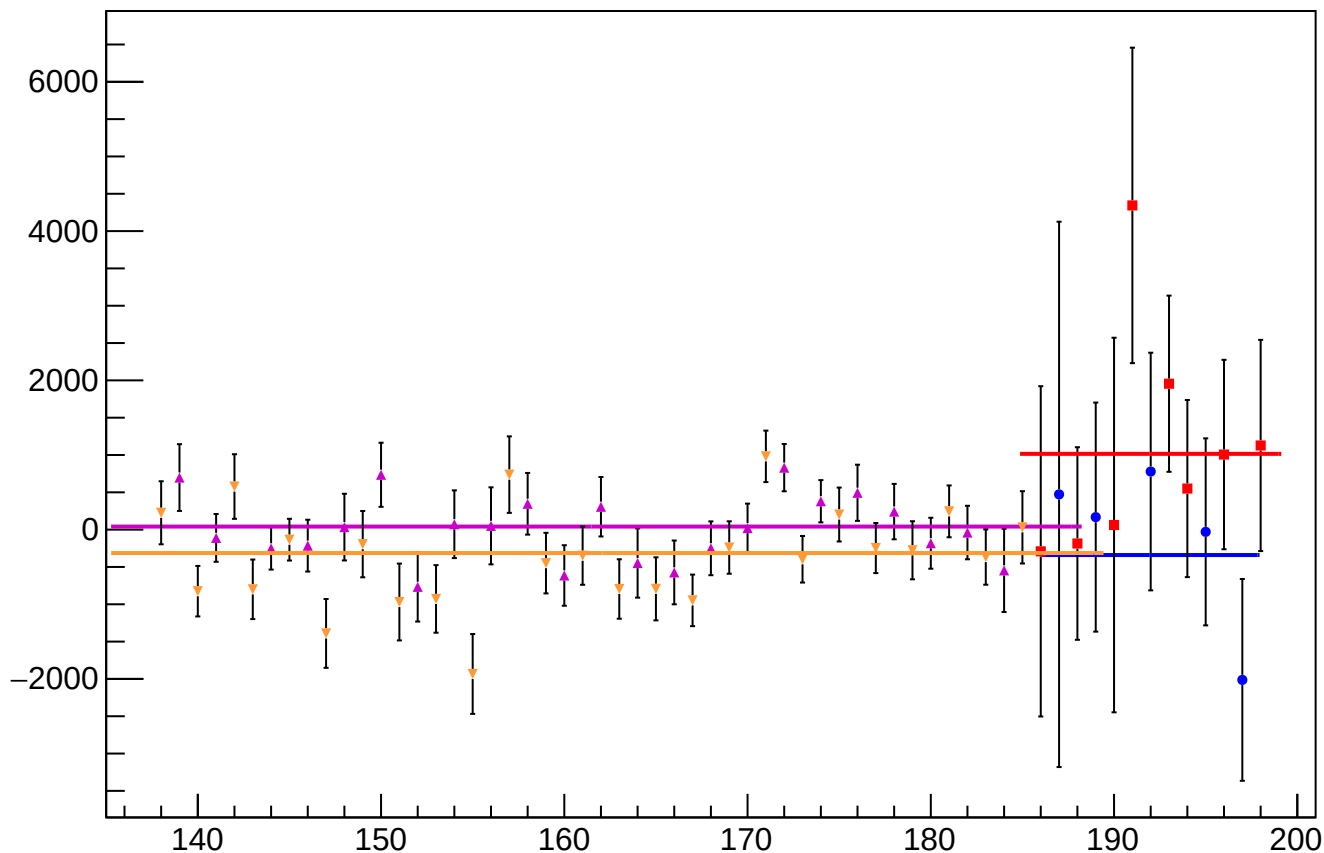
Right: 94.260 $\pm$ 0.015 χ^2 /NDF: 1696927.4/47

In: 91.127 $\pm$ 0.013 χ^2 /NDF: 1612621.3/44

Out: 91.030 $\pm$ 0.012 χ^2 /NDF: 2033381.3/50

All: 91.076 $\pm$ 0.009 χ^2 /NDF: 3646033.4/95

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -340.152 ± 693.674 $\chi^2/\text{NDF}: 2.2/4$

Left Out: -313.446 ± 77.334 $\chi^2/\text{NDF}: 58.1/24$

Right Out: 1015.332 ± 517.342 $\chi^2/\text{NDF}: 4.6/7$

Left In: 41.244 ± 78.858 $\chi^2/\text{NDF}: 28.0/22$

Left: -139.560 ± 55.214 $\chi^2/\text{NDF}: 96.4/47$

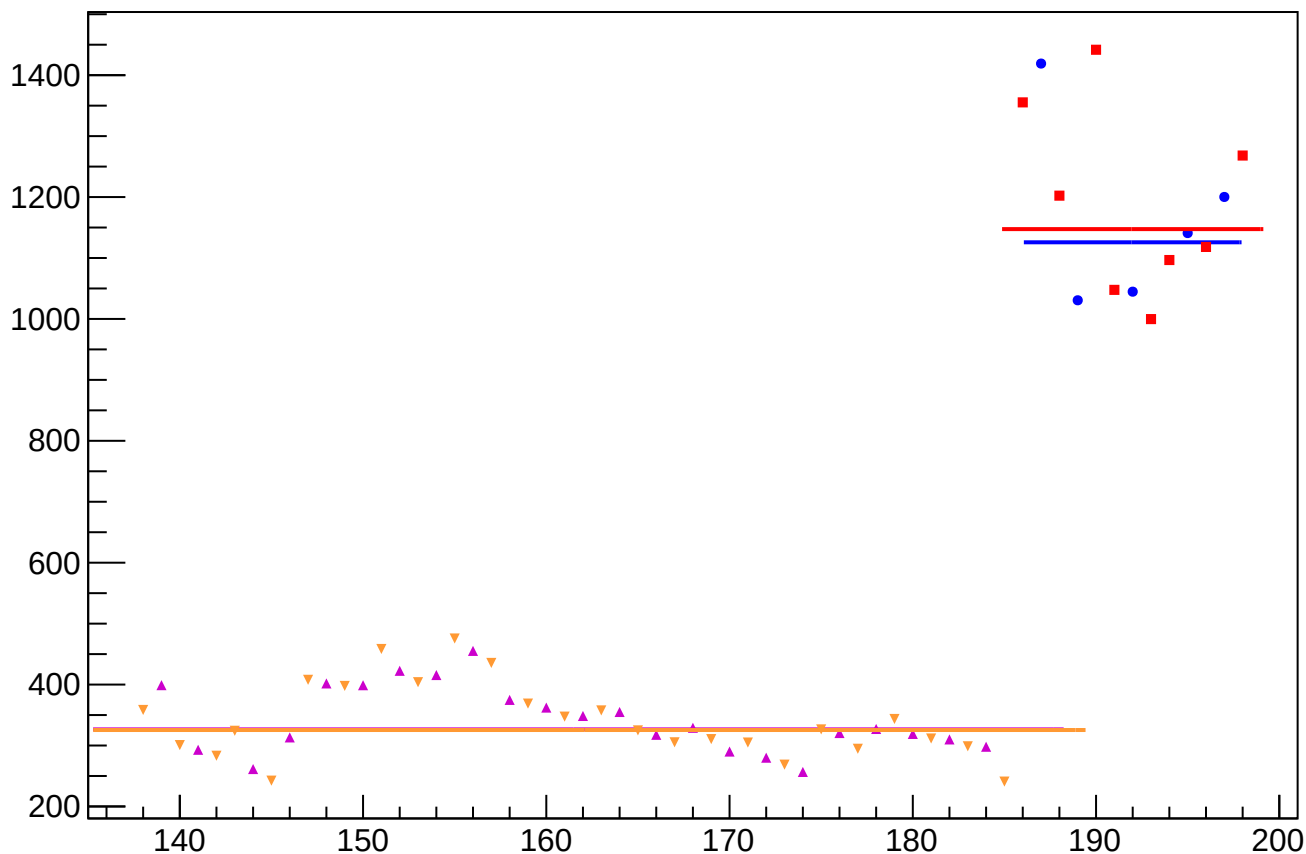
Right: 530.860 ± 414.708 $\chi^2/\text{NDF}: 9.3/12$

In: 36.378 ± 78.353 $\chi^2/\text{NDF}: 30.6/27$

Out: -284.403 ± 76.485 $\chi^2/\text{NDF}: 69.2/32$

All: -127.883 ± 54.731 $\chi^2/\text{NDF}: 108.3/60$

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 1125.751 $\pm$ 0.491 χ^2 /NDF: 32108.5/4

Left Out: 325.432 $\pm$ 0.055 χ^2 /NDF:1000974.7/24

Right Out: 1147.406 $\pm$ 0.366 χ^2 /NDF: 103834.6/7

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

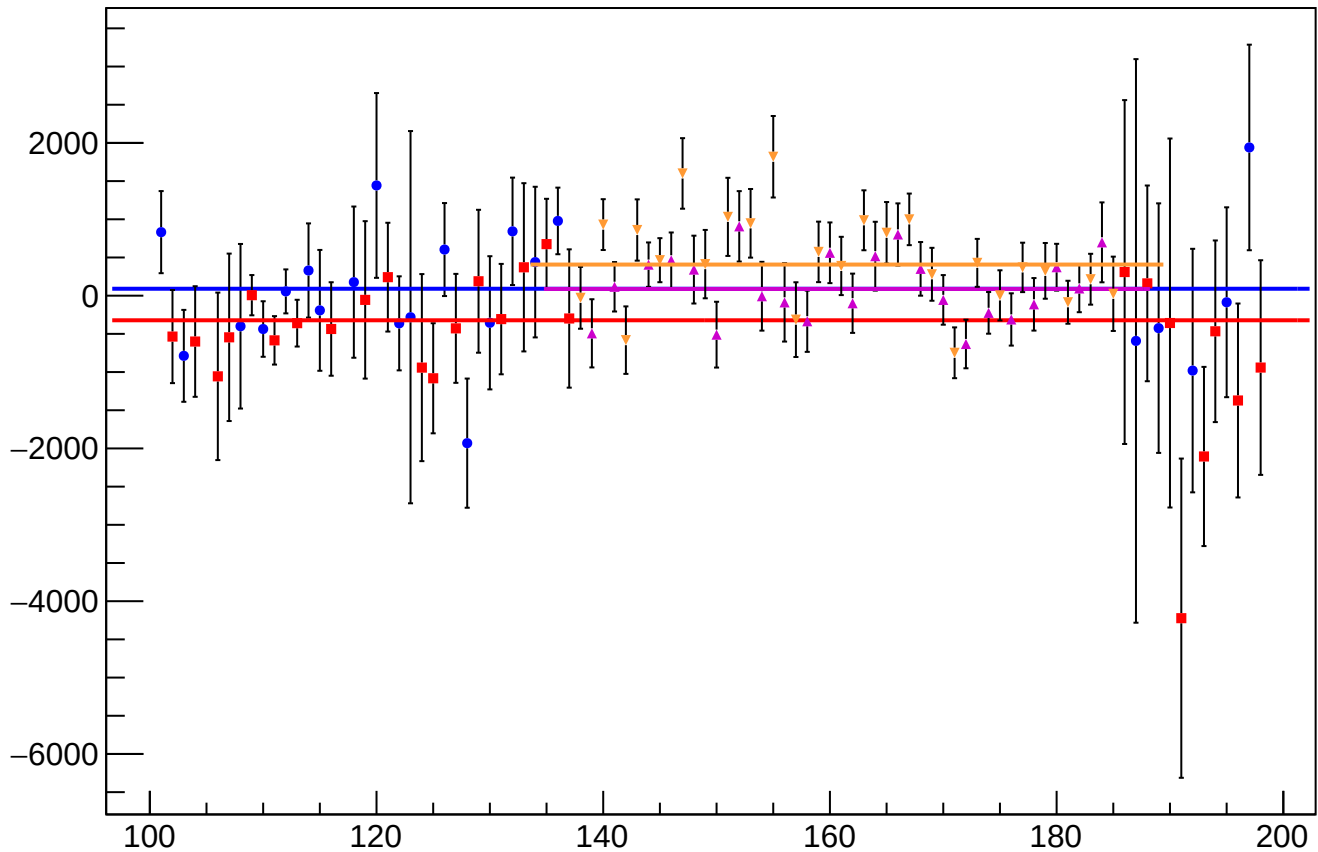
Right: 1139.666 $\pm$ 0.293 χ^2 /NDF: 137195.6/12

In: 336.713 $\pm$ 0.055 χ^2 /NDF:3494402.6/27

Out: 343.398 $\pm$ 0.054 χ^2 /NDF:6043283.3/32

All: 340.136 $\pm$ 0.039 χ^2 /NDF: 9545139.7/60

asym_sam7_mean vs Slug, Sign Corrected



Right In: 90.735 $\pm$ 139.730 χ^2/NDF : 23.1/21

Left Out: 407.375 $\pm$ 74.730 χ^2/NDF : 53.0/24

Right Out: -322.188 $\pm$ 125.857 χ^2/NDF : 15.6/25

Left In: 87.657 $\pm$ 76.572 χ^2/NDF : 27.4/22

Left: 251.406 $\pm$ 53.481 χ^2/NDF : 89.4/47

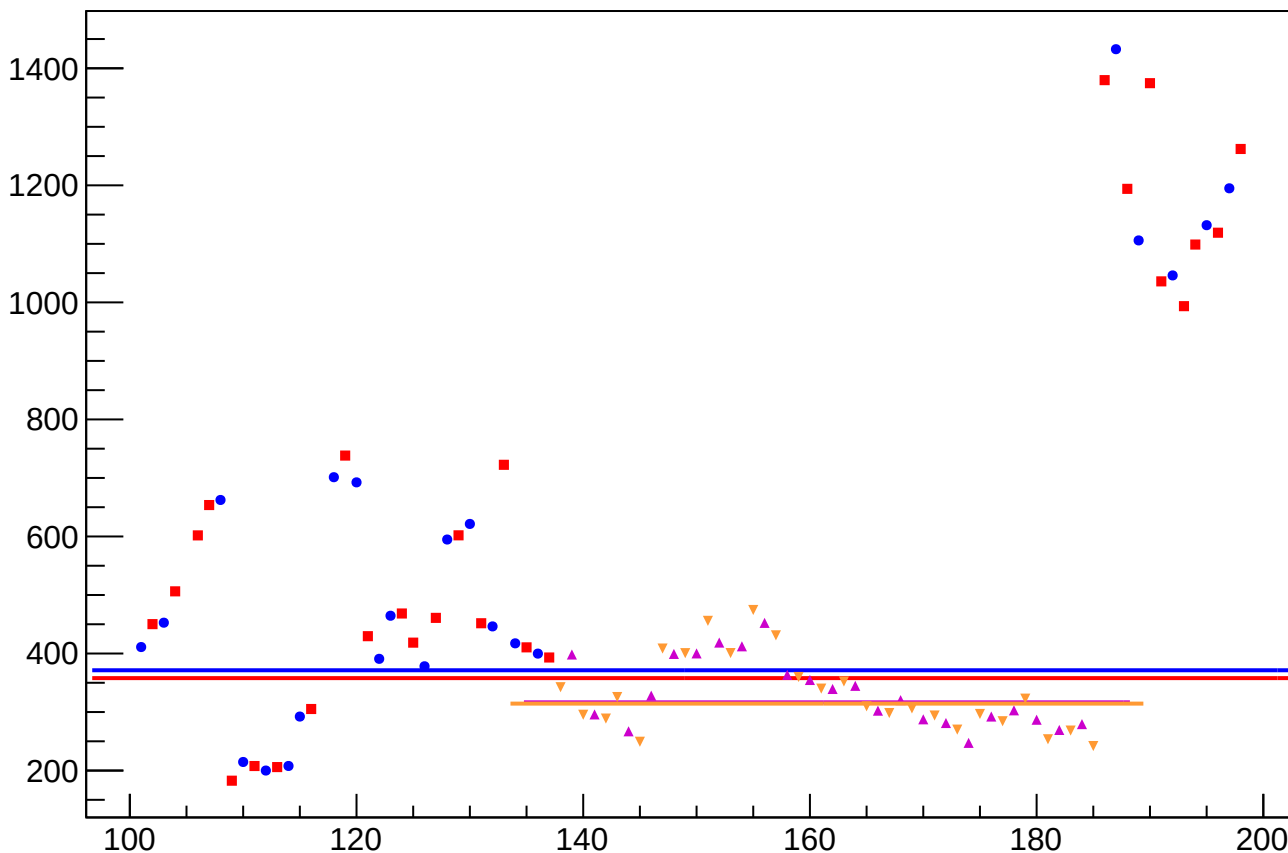
Right: -137.237 $\pm$ 93.516 χ^2/NDF : 43.4/47

In: 88.368 $\pm$ 67.150 χ^2/NDF : 50.5/44

Out: 217.205 $\pm$ 64.257 χ^2/NDF : 93.4/50

All: 155.621 $\pm$ 46.426 χ^2/NDF : 145.8/95

asym_sam7_rms vs Slug, Sign Corrected



Right In: 371.391+/-0.099 χ^2/NDF : 4567741.9/21

Left Out: 314.405+/-0.053 χ^2/NDF : 1112244.9/24

Right Out: 357.951+/-0.089 χ^2/NDF : 7726804.1/25

Left In: 316.616+/-0.054 χ^2/NDF : 929652.0/22

Left: 315.484+/-0.038 χ^2/NDF : 2042751.4/47

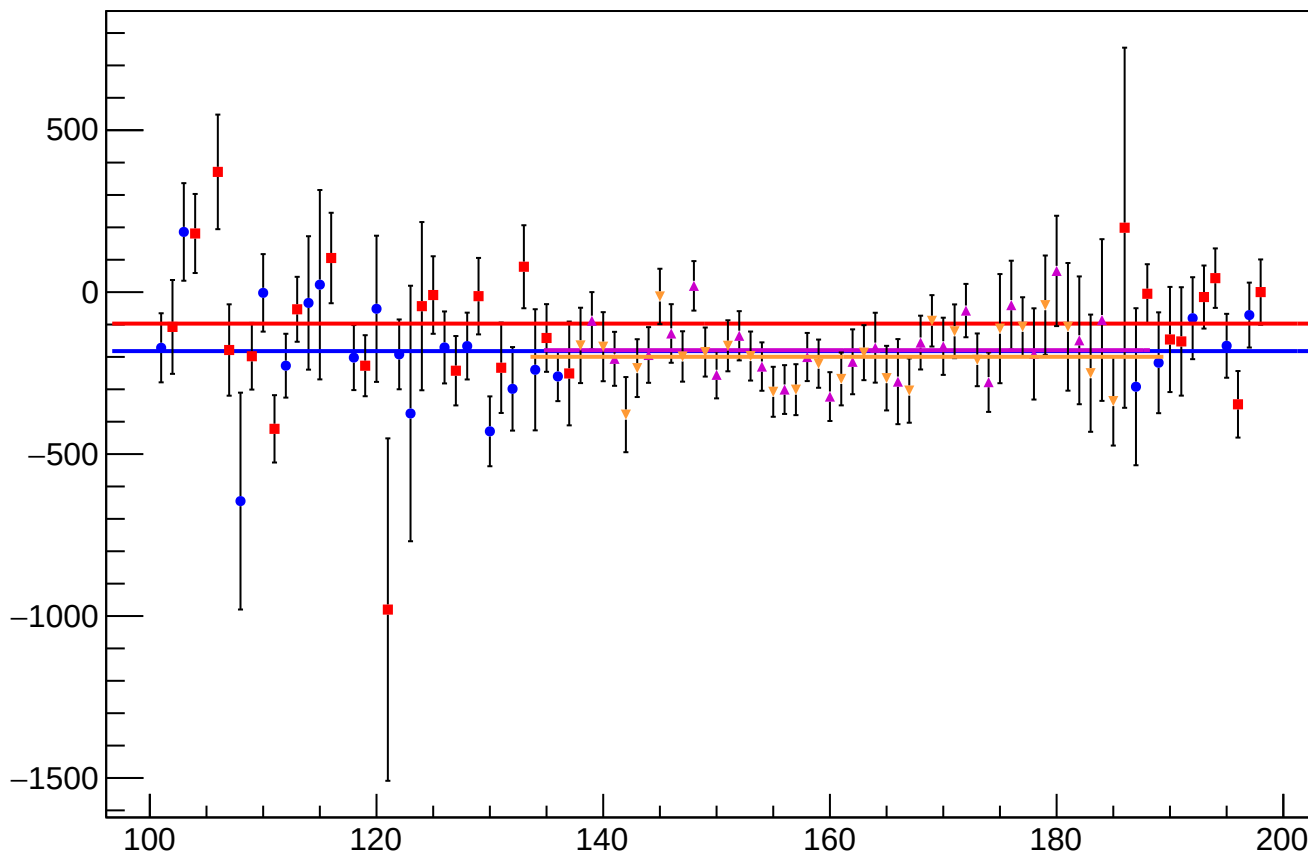
Right: 363.971+/-0.066 χ^2/NDF : 12304761.7/47

In: 329.266+/-0.047 χ^2/NDF : 5733749.1/44

Out: 325.756+/-0.045 χ^2/NDF : 9016064.9/50

All: 327.434+/-0.033 χ^2/NDF : 14752667.8/99

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -182.045 ± 26.677 χ^2/NDF : 21.4/21

Left Out: -199.640 ± 18.452 χ^2/NDF : 20.2/24

Right Out: -97.165 ± 23.894 χ^2/NDF : 48.5/25

Left In: -179.154 ± 19.112 χ^2/NDF : 23.9/22

Left: -189.757 ± 13.275 χ^2/NDF : 44.6/47

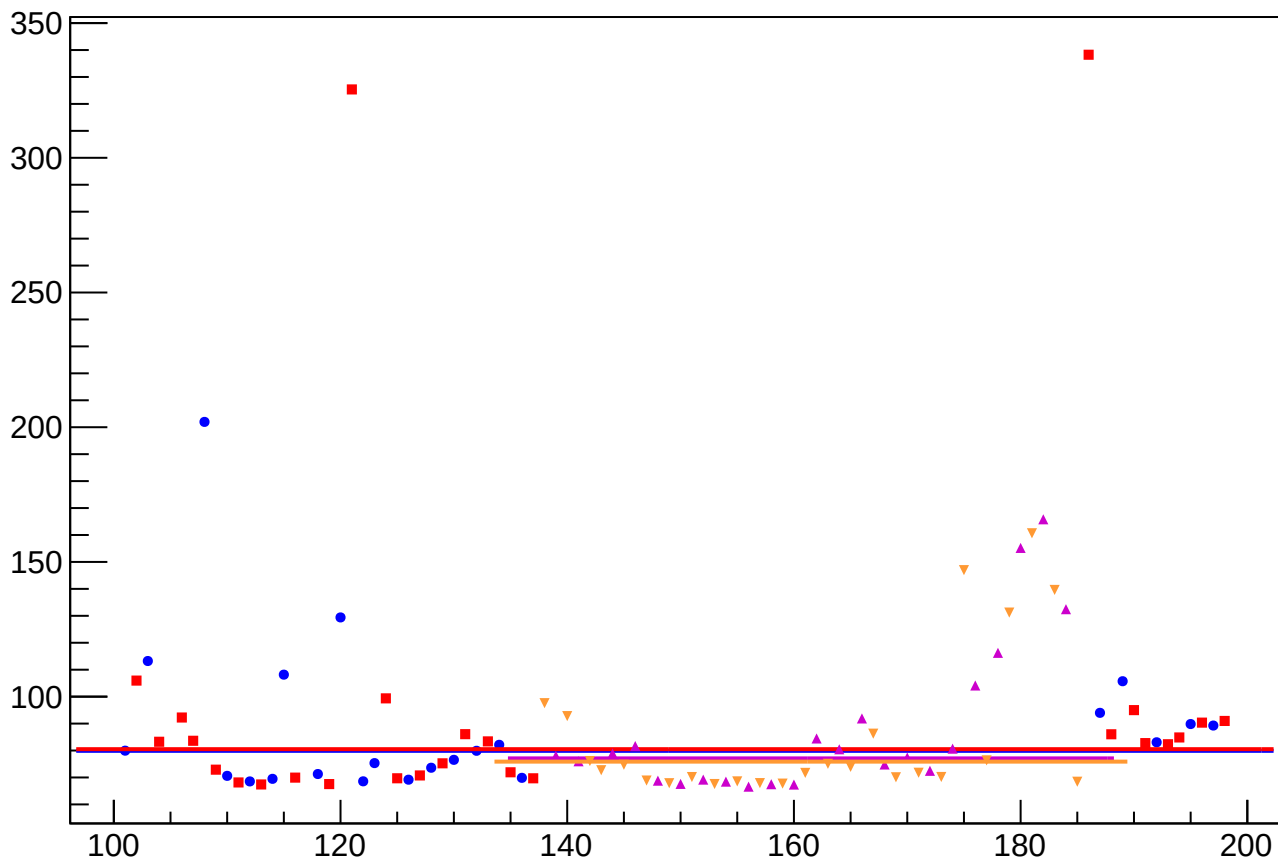
Right: -134.949 ± 17.798 χ^2/NDF : 75.5/47

In: -180.135 ± 15.536 χ^2/NDF : 45.3/44

Out: -161.359 ± 14.604 χ^2/NDF : 80.2/50

All: -170.167 ± 10.641 χ^2/NDF : 126.3/95

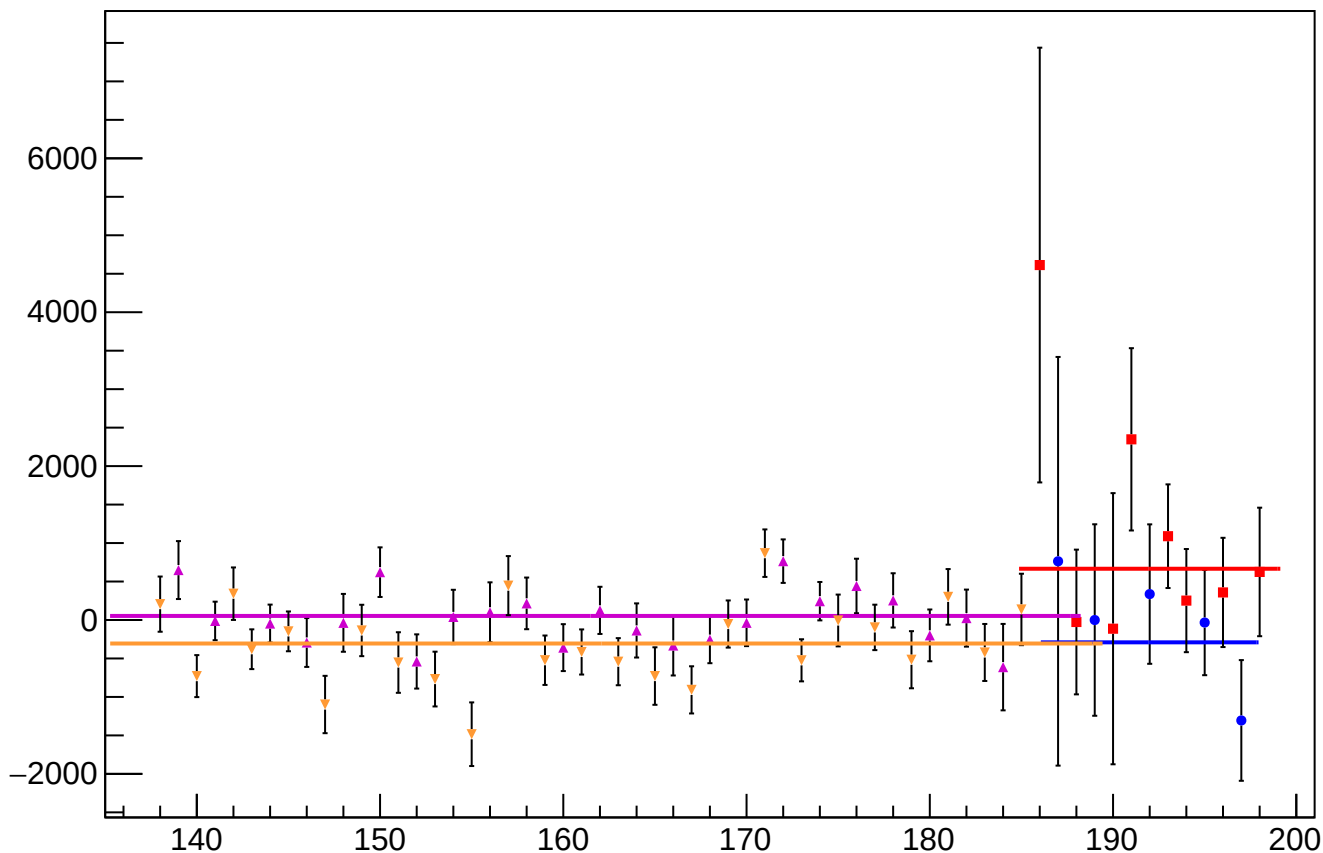
dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 79.889 ± 0.019 $\chi^2/\text{NDF}: 723390.9/21$
 Left Out: 75.883 ± 0.013 $\chi^2/\text{NDF}: 1552500.3/24$
 Right Out: 80.502 ± 0.017 $\chi^2/\text{NDF}: 1197154.7/25$
 Left In: 77.080 ± 0.014 $\chi^2/\text{NDF}: 1422981.1/22$

Left: 76.460 ± 0.009 $\chi^2/\text{NDF}: 2979537.9/47$
 Right: 80.229 ± 0.013 $\chi^2/\text{NDF}: 1921131.8/47$
 In: 78.032 ± 0.011 $\chi^2/\text{NDF}: 2161030.2/44$
 Out: 77.609 ± 0.010 $\chi^2/\text{NDF}: 2796471.4/50$
 All: 77.807 ± 0.008 $\chi^2/\text{NDF}: 4958291.8/95$

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: -290.407 ± 416.389 $\chi^2/\text{NDF}: 2.5/4$

Left Out: -305.659 ± 65.327 $\chi^2/\text{NDF}: 54.9/24$

Right Out: 666.066 ± 314.075 $\chi^2/\text{NDF}: 5.7/7$

Left In: 52.759 ± 67.539 $\chi^2/\text{NDF}: 24.9/22$

Left: -132.416 ± 46.956 $\chi^2/\text{NDF}: 94.3/47$

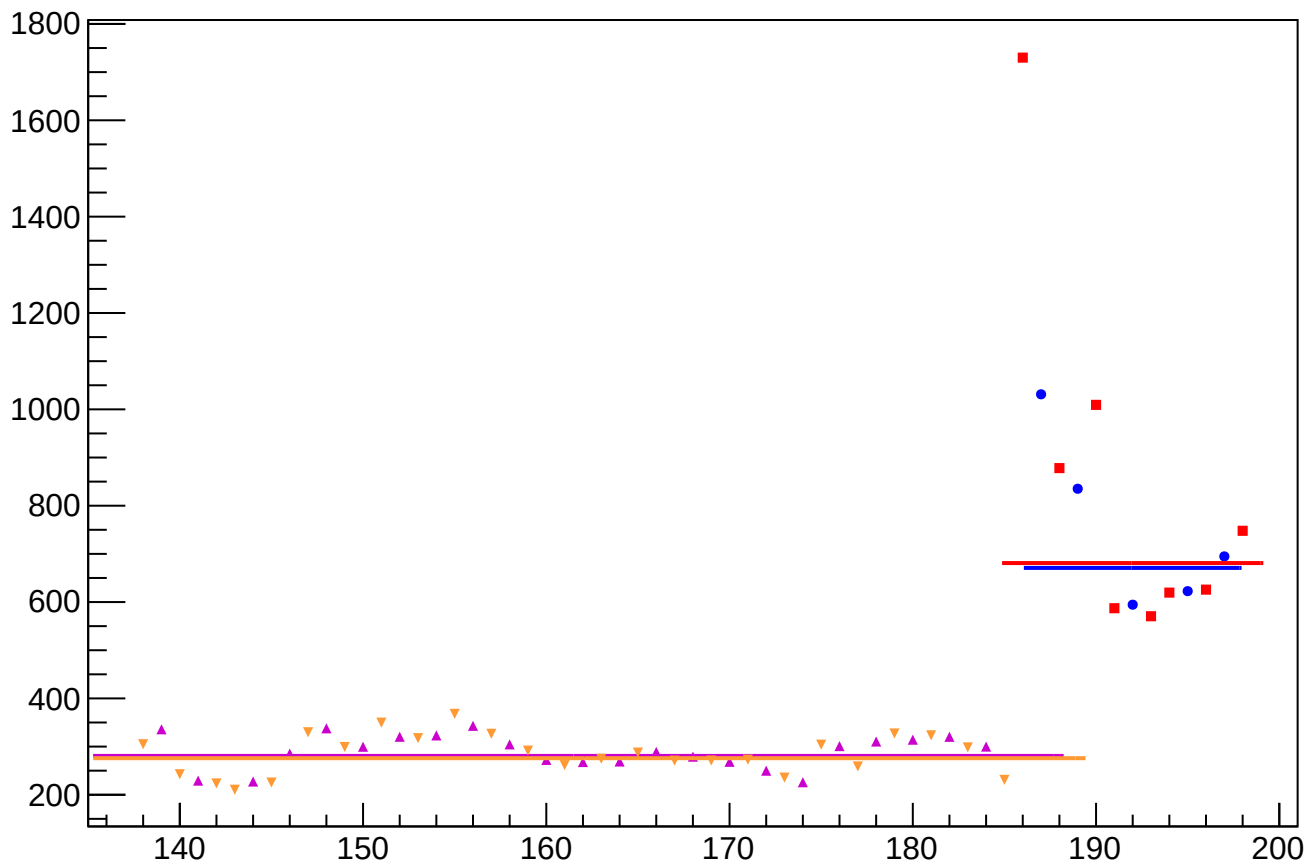
Right: 319.222 ± 250.744 $\chi^2/\text{NDF}: 11.5/12$

In: 43.962 ± 66.668 $\chi^2/\text{NDF}: 28.0/27$

Out: -265.363 ± 63.958 $\chi^2/\text{NDF}: 69.7/32$

All: -117.115 ± 46.153 $\chi^2/\text{NDF}: 109.0/60$

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 670.894+/-0.294 χ^2/NDF : 97692.6/4

Left Out: 275.901+/-0.046 χ^2/NDF : 753109.6/24

Right Out: 680.948+/-0.222 χ^2/NDF : 540981.0/7

Left In: 280.628+/-0.048 χ^2/NDF : 587415.9/22

Left: 278.186+/-0.033 χ^2/NDF : 1345588.4/47

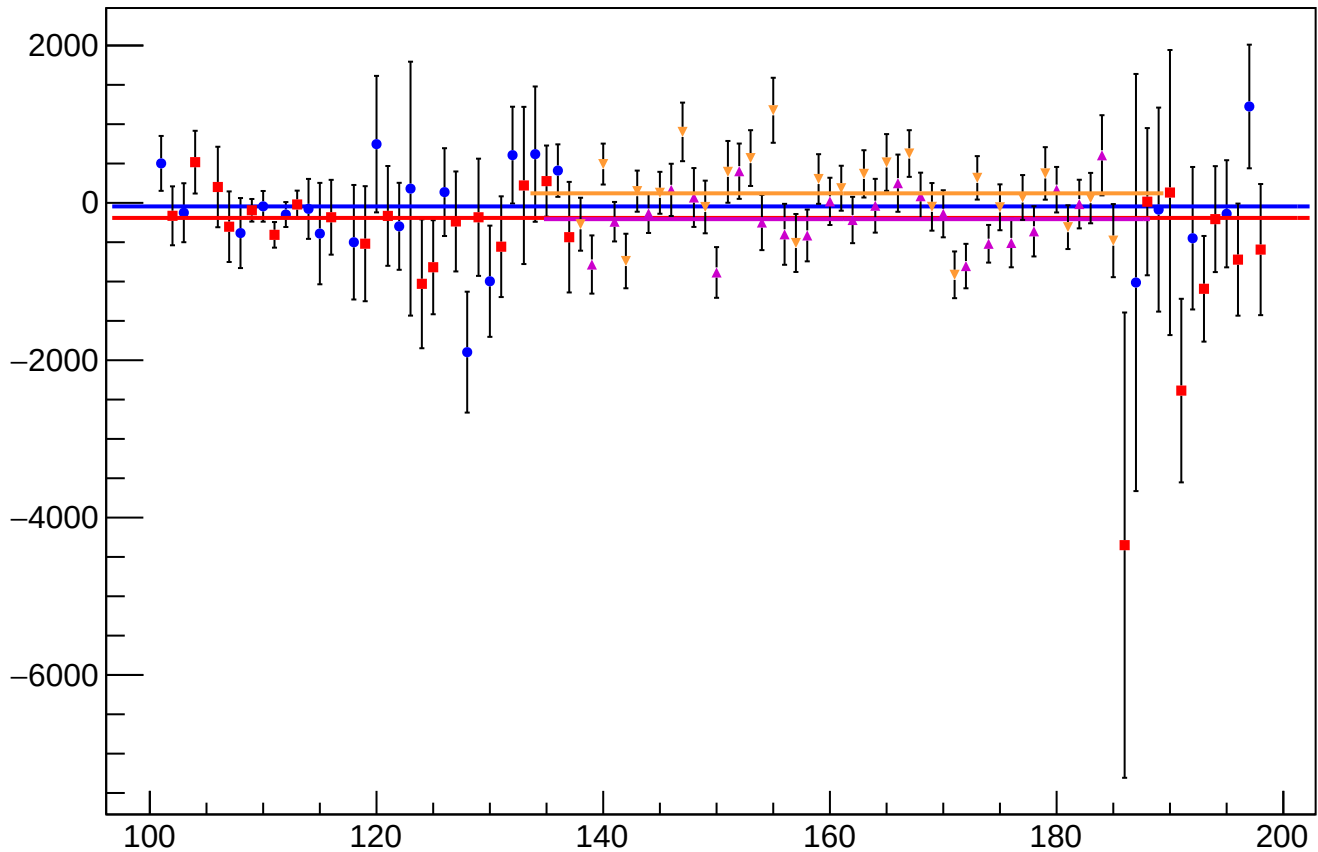
Right: 677.302+/-0.177 χ^2/NDF : 639416.7/12

In: 290.633+/-0.047 χ^2/NDF : 2396990.0/27

Out: 292.698+/-0.045 χ^2/NDF : 4482533.8/32

All: 291.708+/-0.033 χ^2/NDF : 6880522.8/60

asym_sam8_mean vs Slug, Sign Corrected



Right In: -45.127 ± 88.312 χ^2/NDF : 19.5/21

Left Out: 121.185 ± 62.911 χ^2/NDF : 49.0/24

Right Out: -191.371 ± 74.832 χ^2/NDF : 19.2/25

Left In: -207.047 ± 65.246 χ^2/NDF : 27.8/22

Left: -36.951 ± 45.288 χ^2/NDF : 89.9/47

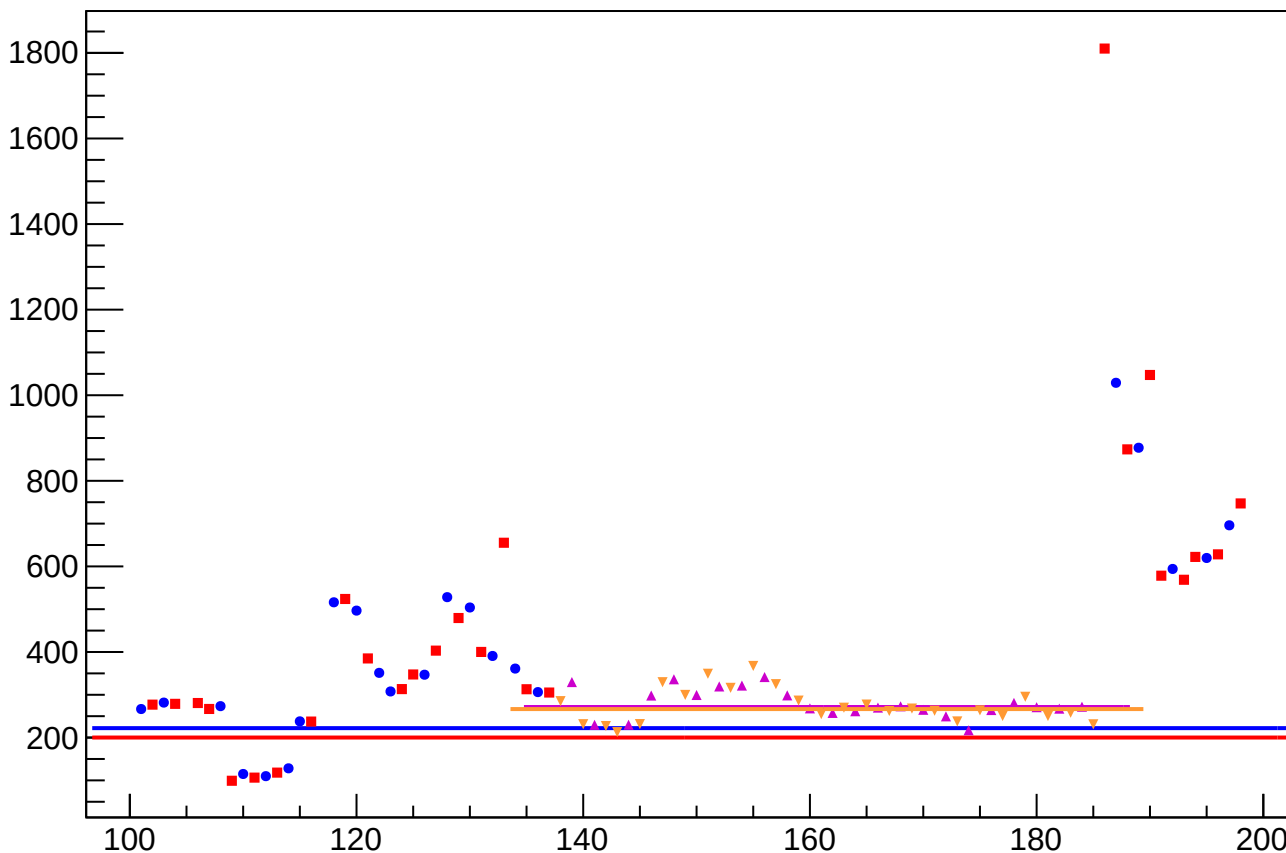
Right: -130.251 ± 57.091 χ^2/NDF : 40.3/47

In: -149.872 ± 52.477 χ^2/NDF : 49.5/44

Out: -8.244 ± 48.155 χ^2/NDF : 78.4/50

All: -72.985 ± 35.480 χ^2/NDF : 131.9/95

asym_sam8_rms vs Slug, Sign Corrected



Right In: 222.068+/-0.062 χ^2/NDF : 5989193.6/21

Left Out: 266.618+/-0.044 χ^2/NDF : 639230.8/24

Right Out: 200.100+/-0.053 χ^2/NDF : 9591973.4/25

Left In: 271.451+/-0.046 χ^2/NDF : 530897.8/22

Left: 268.946+/-0.032 χ^2/NDF : 1175815.9/47

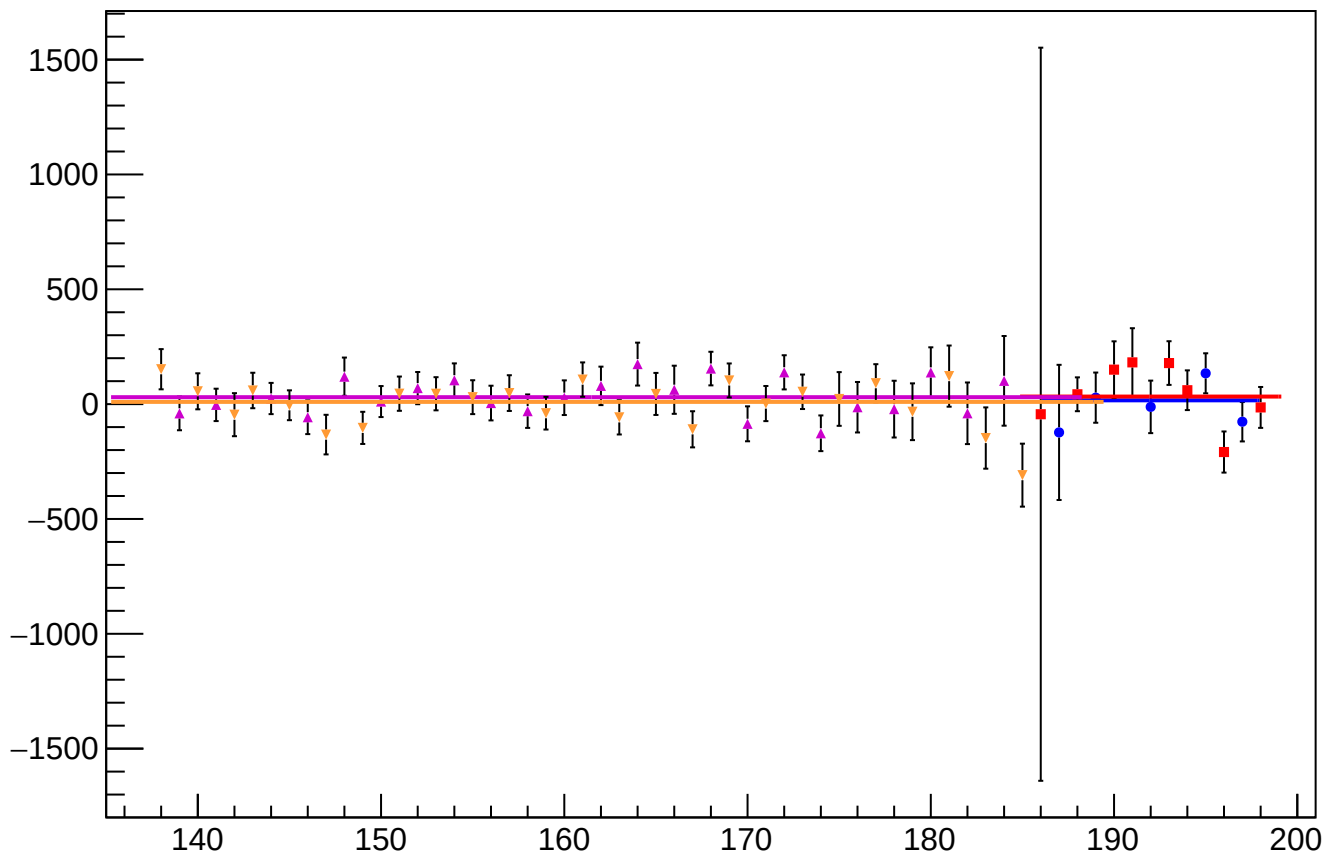
Right: 209.281+/-0.040 χ^2/NDF : 15653203.7/47

In: 254.013+/-0.037 χ^2/NDF : 6924645.0/44

Out: 239.073+/-0.034 χ^2/NDF : 11157091.0/50

All: 245.902+/-0.025 χ^2/NDF : 18169745.5/95

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 16.528 $\pm$ 47.701 χ^2 /NDF: 3.3/4

Left Out: 9.762 $\pm$ 16.463 χ^2 /NDF:25.9/24

Right Out: 32.921 $\pm$ 35.563 χ^2 /NDF: 11.9/7

Left In: 30.236 $\pm$ 17.031 χ^2 /NDF:21.9/22

Left: 19.652 $\pm$ 11.837 χ^2 /NDF: 48.6/47

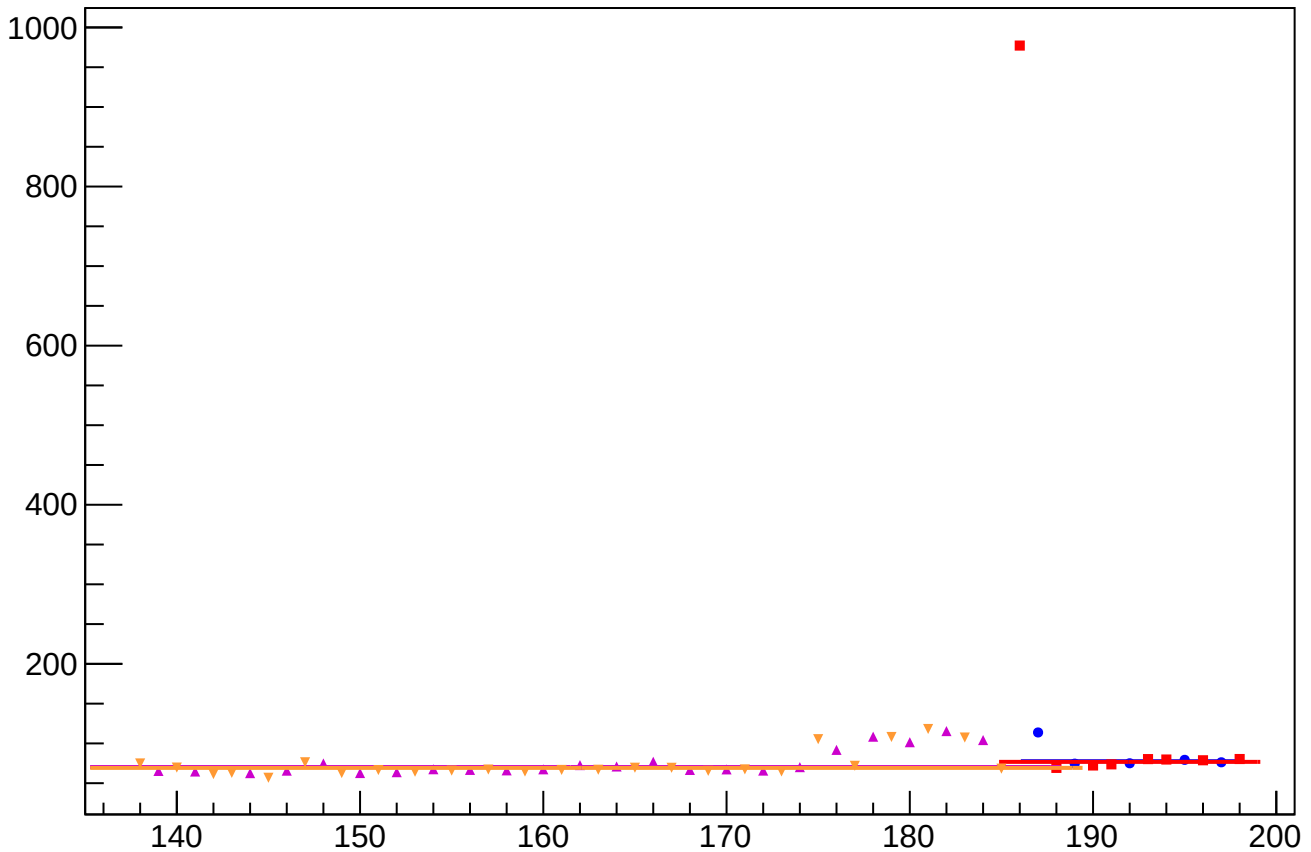
Right: 27.064 $\pm$ 28.511 χ^2 /NDF: 15.3/12

In: 28.686 $\pm$ 16.039 χ^2 /NDF:25.3/27

Out: 13.849 $\pm$ 14.940 χ^2 /NDF:38.2/32

All: 20.742 $\pm$ 10.932 χ^2 /NDF: 63.9/60

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 77.637 $\pm$ 0.034 χ^2 /NDF: 34037.1/4

Left Out: 69.234 $\pm$ 0.012 χ^2 /NDF:1005922.1/24

Right Out: 76.805 $\pm$ 0.025 χ^2 /NDF: 670460.5/7

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

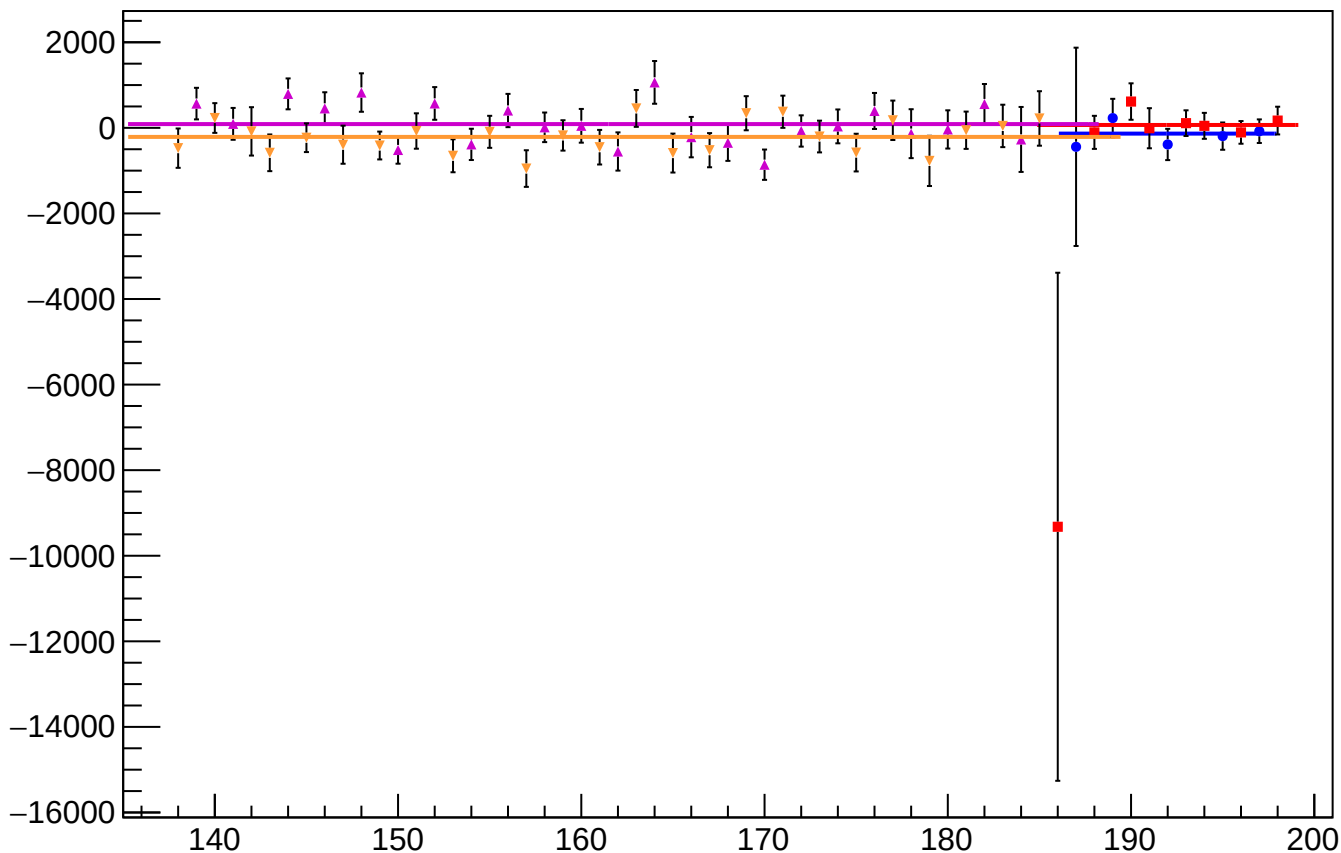
Right: 77.102 $\pm$ 0.020 χ^2 /NDF: 704889.4/12

In: 71.149 $\pm$ 0.011 χ^2 /NDF:937858.3/27

Out: 70.570 $\pm$ 0.011 χ^2 /NDF:1751025.7/32

All: 70.839 $\pm$ 0.008 χ^2 /NDF: 2690281.5/60

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: -134.606 ± 167.566 χ^2/NDF : 1.2/4

Left Out: -211.526 ± 82.780 χ^2/NDF : 19.4/24

Right Out: 67.413 ± 126.426 χ^2/NDF : 4.9/7

Left In: 88.062 ± 84.309 χ^2/NDF : 33.5/22

Left: -64.474 ± 59.067 χ^2/NDF : 59.3/47

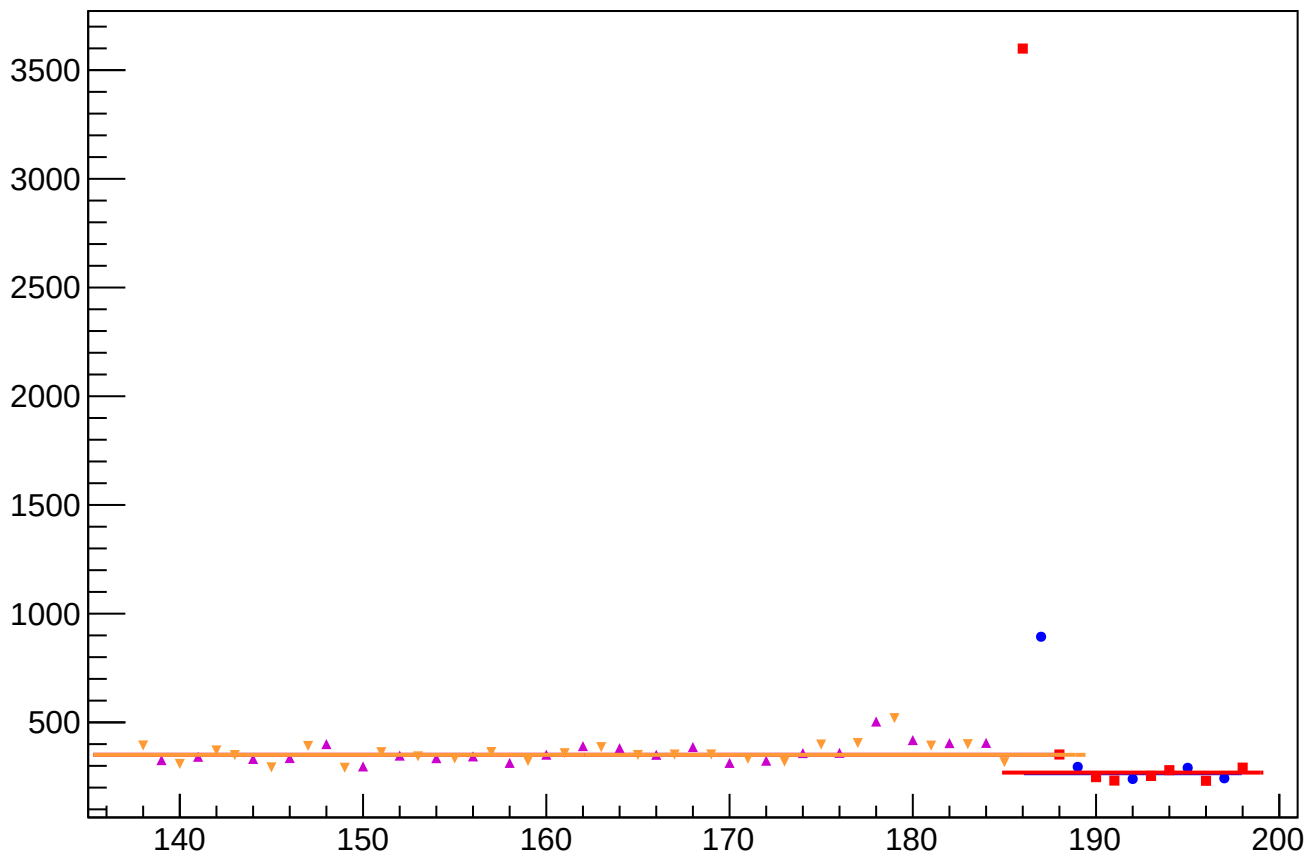
Right: -5.870 ± 100.923 χ^2/NDF : 7.1/12

In: 43.080 ± 75.314 χ^2/NDF : 36.1/27

Out: -127.824 ± 69.255 χ^2/NDF : 27.7/32

All: -49.522 ± 50.978 χ^2/NDF : 66.6/60

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 266.150+/-0.118 χ^2/NDF : 192340.1/4

Left Out: 350.780+/-0.059 χ^2/NDF : 506274.4/24

Right Out: 269.056+/-0.089 χ^2/NDF : 797043.6/7

Left In: 350.944+/-0.060 χ^2/NDF : 424876.4/22

Left: 350.861+/-0.042 χ^2/NDF : 931154.7/47

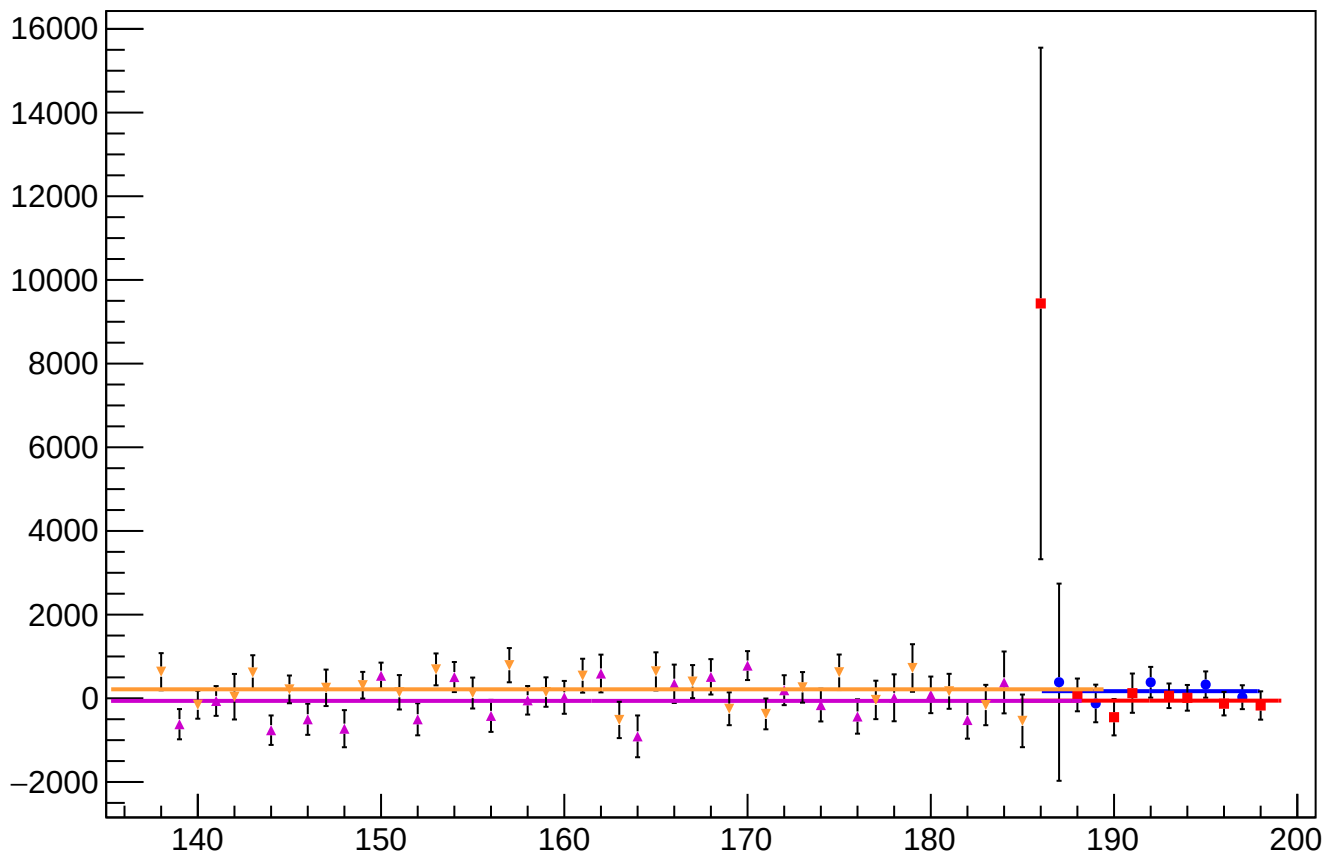
Right: 268.002+/-0.071 χ^2/NDF : 989767.0/12

In: 333.815+/-0.053 χ^2/NDF : 1025901.7/27

Out: 326.257+/-0.049 χ^2/NDF : 1888262.7/32

All: 329.720+/-0.036 χ^2/NDF : 2925078.0/60

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 170.539+/-169.256 χ^2/NDF : 1.3/4

Left Out: 215.214+/-81.235 χ^2/NDF :19.6/24

Right Out: -56.028+/-129.072 χ^2/NDF : 3.9/7

Left In: -61.730+/-82.841 χ^2/NDF :34.9/22

Left: 79.453+/-58.001 χ^2/NDF : 60.2/47

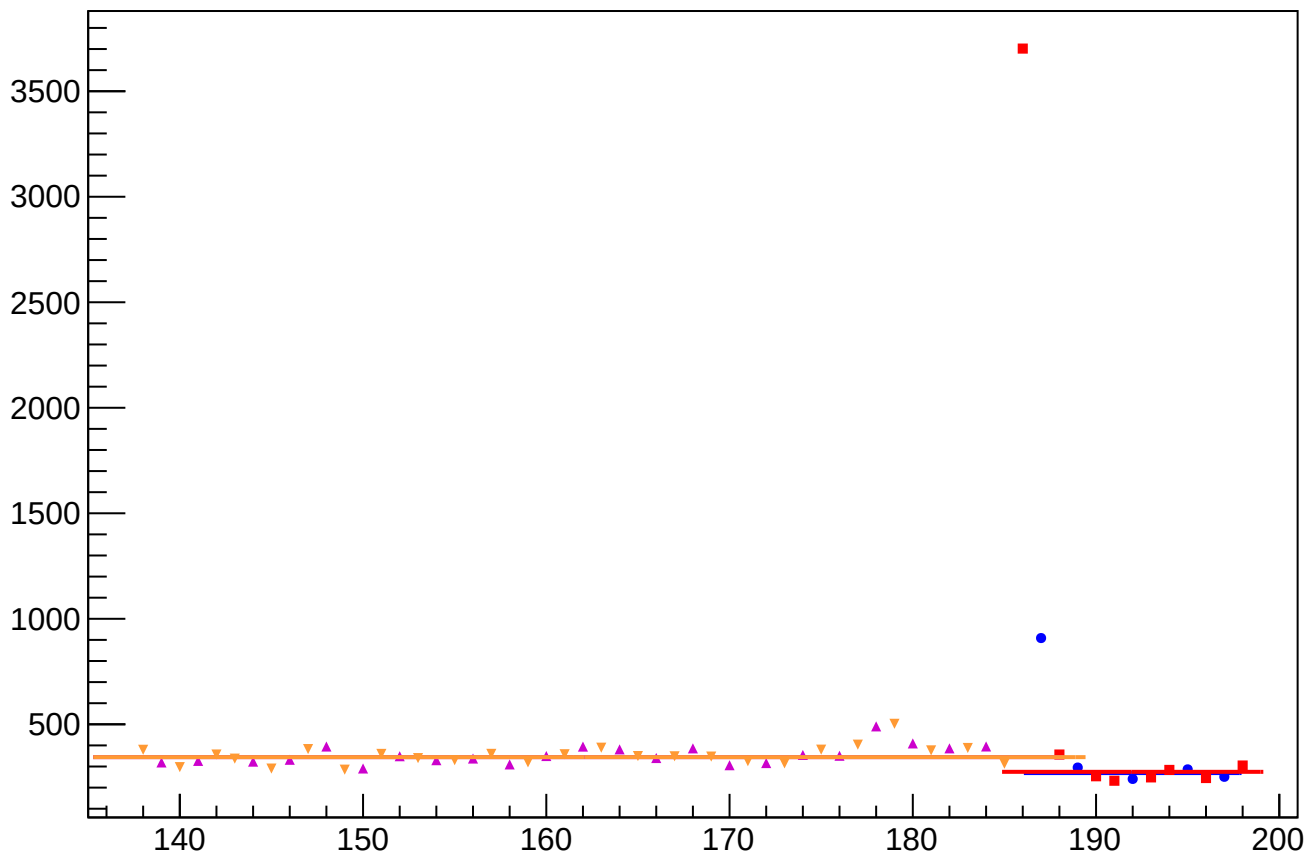
Right: 27.282+/-102.634 χ^2/NDF : 6.3/12

In: -16.842+/-74.407 χ^2/NDF :37.7/27

Out: 138.256+/-68.751 χ^2/NDF :26.6/32

All: 66.824+/-50.496 χ^2/NDF : 66.7/60

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 268.941+/-0.120 χ^2/NDF : 179651.6/4

Left Out: 344.439+/-0.057 χ^2/NDF : 488381.9/24

Right Out: 274.823+/-0.091 χ^2/NDF : 792561.8/7

Left In: 344.475+/-0.059 χ^2/NDF : 433401.7/22

Left: 344.457+/-0.041 χ^2/NDF : 921783.8/47

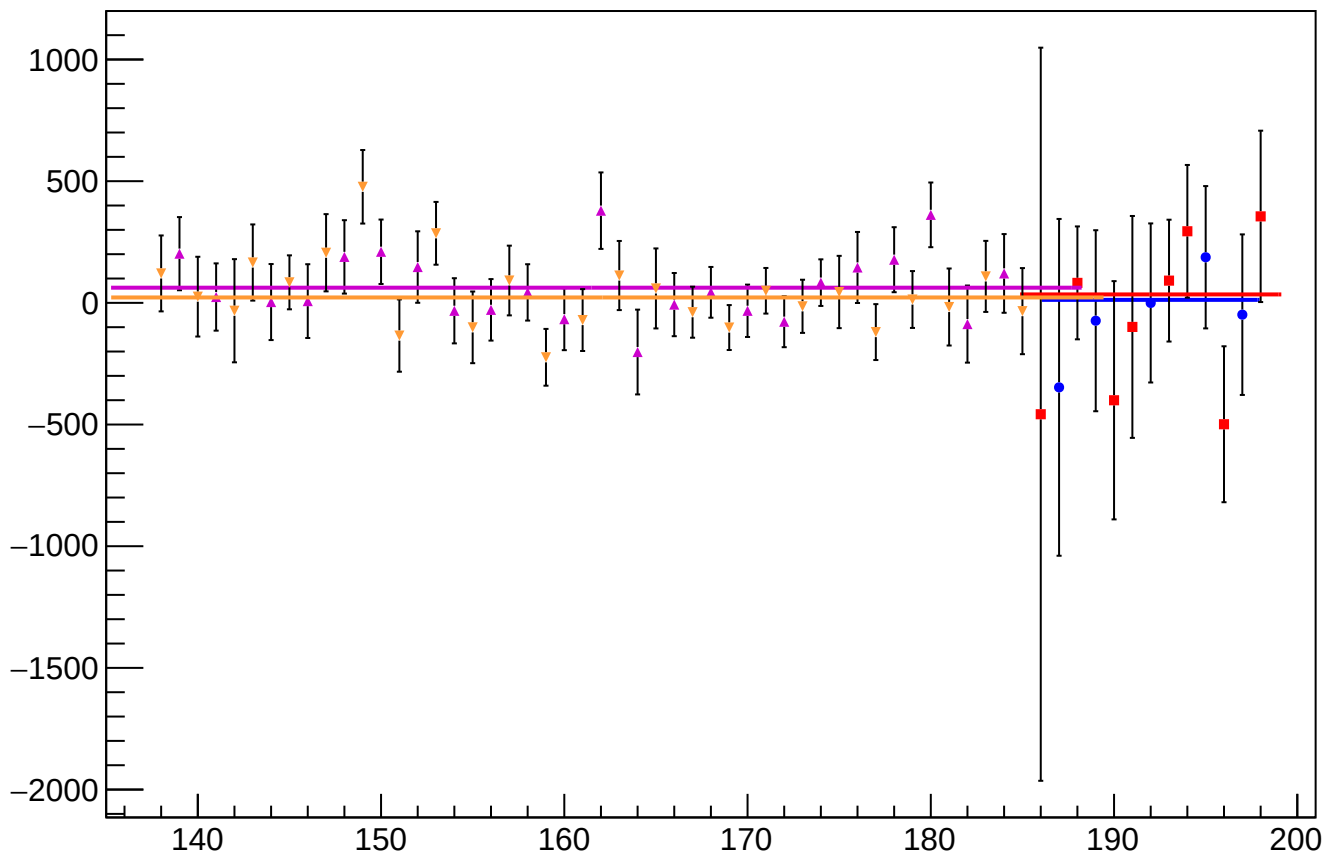
Right: 272.660+/-0.073 χ^2/NDF : 973740.6/12

In: 329.877+/-0.053 χ^2/NDF : 934392.6/27

Out: 324.687+/-0.049 χ^2/NDF : 1697686.8/32

All: 327.078+/-0.036 χ^2/NDF : 2637328.8/60

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 12.305+/-158.987 χ^2/NDF : 0.7/4

Left Out: 22.164+/-26.284 χ^2/NDF : 28.1/24

Right Out: 34.642+/-115.287 χ^2/NDF : 5.6/7

Left In: 62.310+/-27.398 χ^2/NDF : 22.0/22

Left: 41.404+/-18.967 χ^2/NDF : 51.2/47

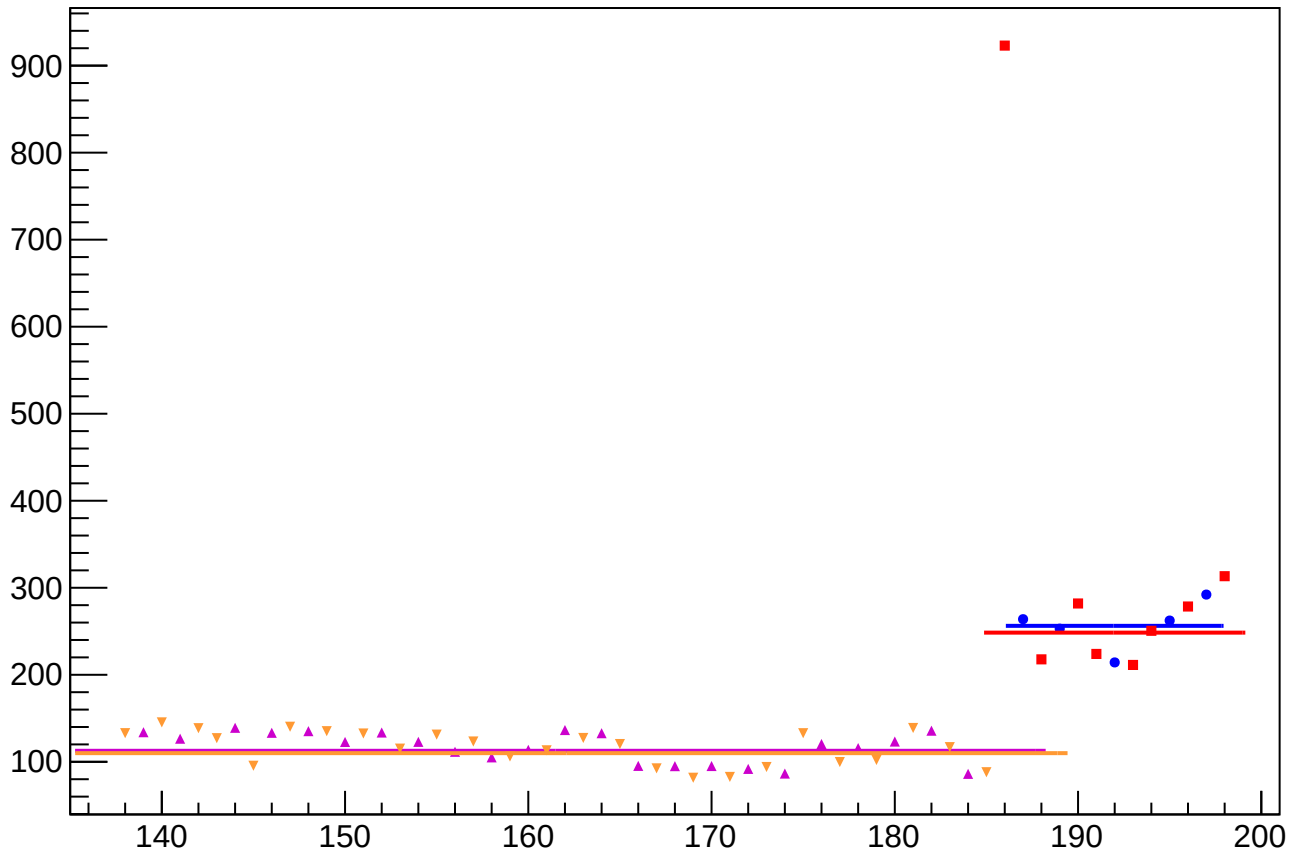
Right: 26.944+/-93.332 χ^2/NDF : 6.3/12

In: 60.868+/-27.000 χ^2/NDF : 22.8/27

Out: 22.780+/-25.627 χ^2/NDF : 33.7/32

All: 40.831+/-18.587 χ^2/NDF : 57.5/60

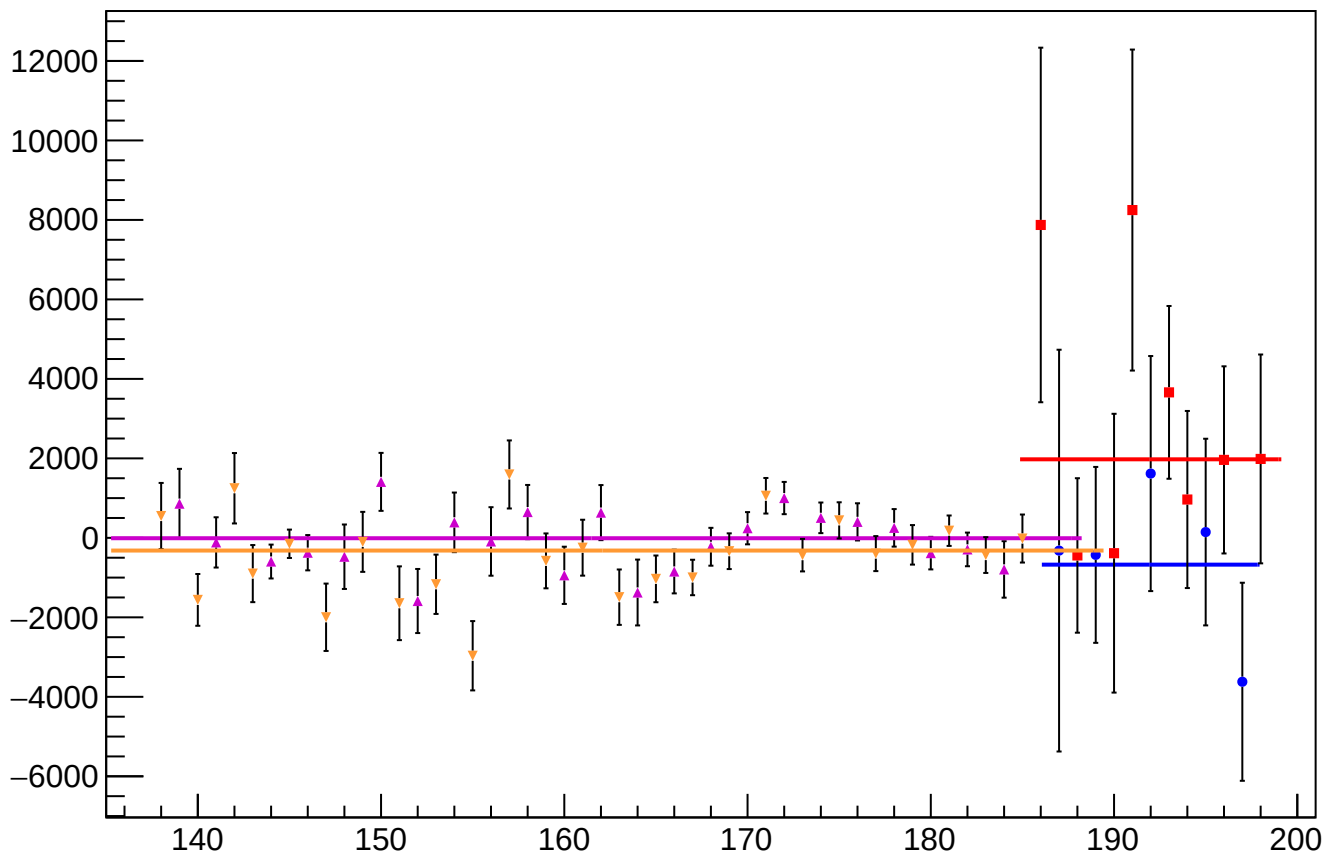
dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 256.251 $\pm$ 0.112 χ^2/NDF : 58071.1/4
 Left Out: 109.953 $\pm$ 0.019 χ^2/NDF :1140626.9/24
 Right Out: 248.450 $\pm$ 0.082 χ^2/NDF : 580810.1/7
 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: 251.138 $\pm$ 0.066 χ^2/NDF : 642037.2/12
 In: 116.798 $\pm$ 0.019 χ^2/NDF :2478328.8/27
 Out: 116.796 $\pm$ 0.018 χ^2/NDF :4465183.7/32
 All: 116.797 $\pm$ 0.013 χ^2/NDF : 6943512.5/60

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -674.150 ± 1195.219 $\chi^2/\text{NDF}: 2.1/4$

Left Out: -319.391 ± 110.306 $\chi^2/\text{NDF}: 51.5/24$

Right Out: 1976.234 ± 914.448 $\chi^2/\text{NDF}: 7.0/7$

Left In: -9.462 ± 112.340 $\chi^2/\text{NDF}: 32.5/22$

Left: -167.259 ± 78.707 $\chi^2/\text{NDF}: 87.9/47$

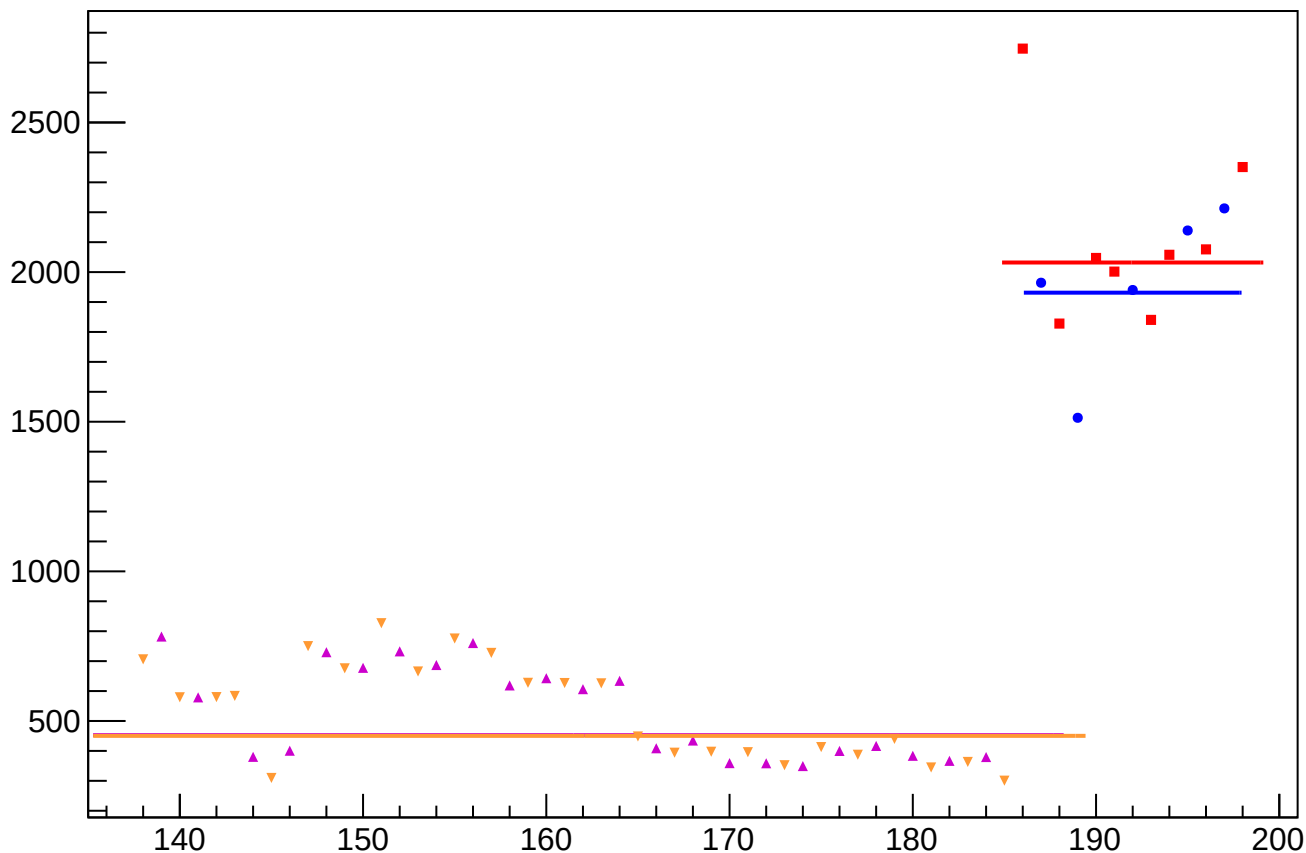
Right: 997.637 ± 726.265 $\chi^2/\text{NDF}: 12.2/12$

In: -15.283 ± 111.847 $\chi^2/\text{NDF}: 34.9/27$

Out: -286.468 ± 109.512 $\chi^2/\text{NDF}: 64.7/32$

All: -153.736 ± 78.249 $\chi^2/\text{NDF}: 102.6/60$

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1931.273+/-0.845 χ^2/NDF : 112669.0/4

Left Out: 450.363+/-0.078 χ^2/NDF : 3096435.8/24

Right Out: 2032.071+/-0.647 χ^2/NDF : 119542.9/7

Left In: 452.694+/-0.079 χ^2/NDF : 2586032.2/22

Left: 451.507+/-0.056 χ^2/NDF : 5682906.4/47

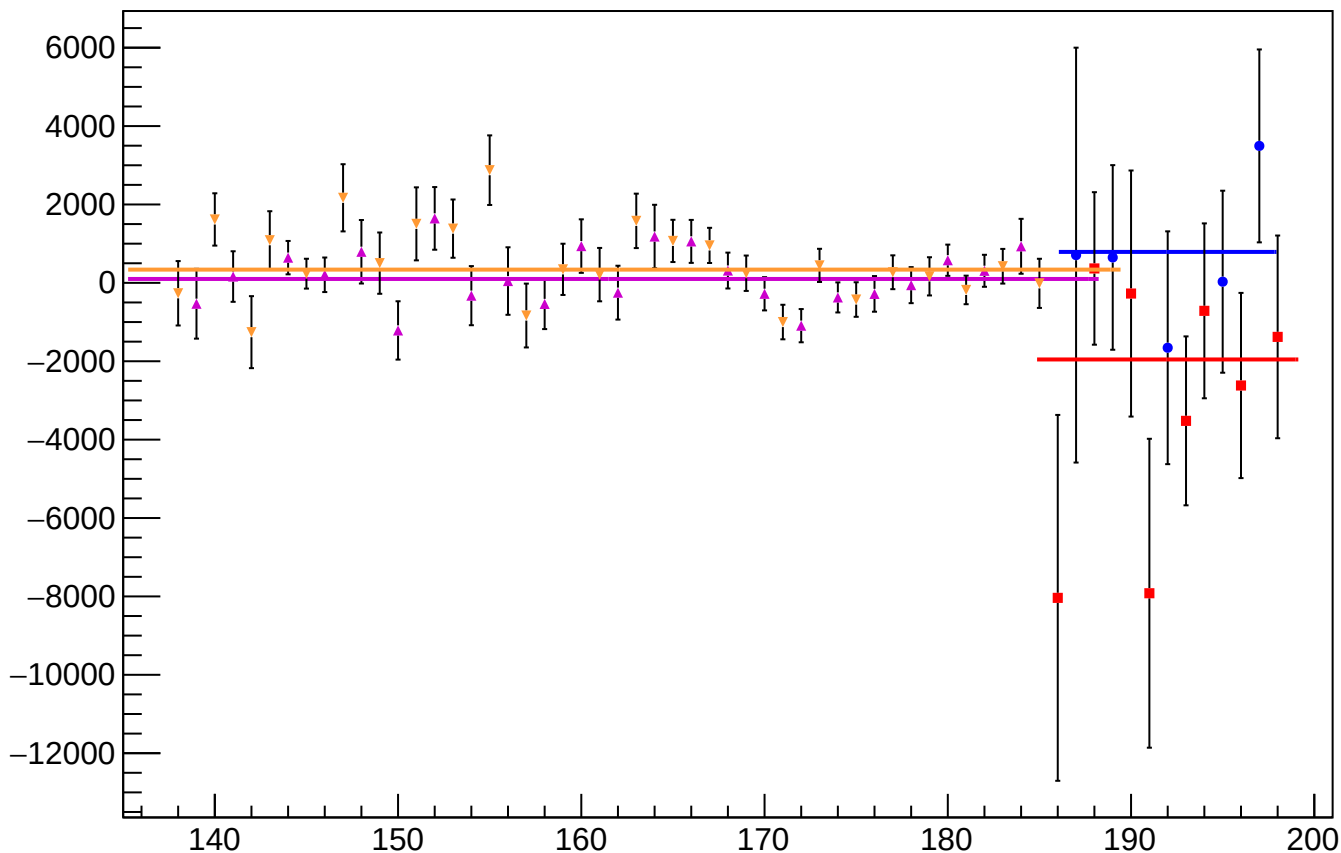
Right: 1994.853+/-0.514 χ^2/NDF : 241184.4/12

In: 465.642+/-0.079 χ^2/NDF : 5732618.0/27

Out: 473.047+/-0.077 χ^2/NDF : 9113785.1/32

All: 469.423+/-0.055 χ^2/NDF : 14850879.4/60

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 789.606+/-1212.723 χ^2/NDF : 2.0/4

Left Out: 337.948+/-109.831 χ^2/NDF : 48.6/24

Right Out: -1954.400+/-905.024 χ^2/NDF : 6.7/7

Left In: 99.475+/-111.475 χ^2/NDF : 32.1/22

Left: 220.483+/-78.237 χ^2/NDF : 83.0/47

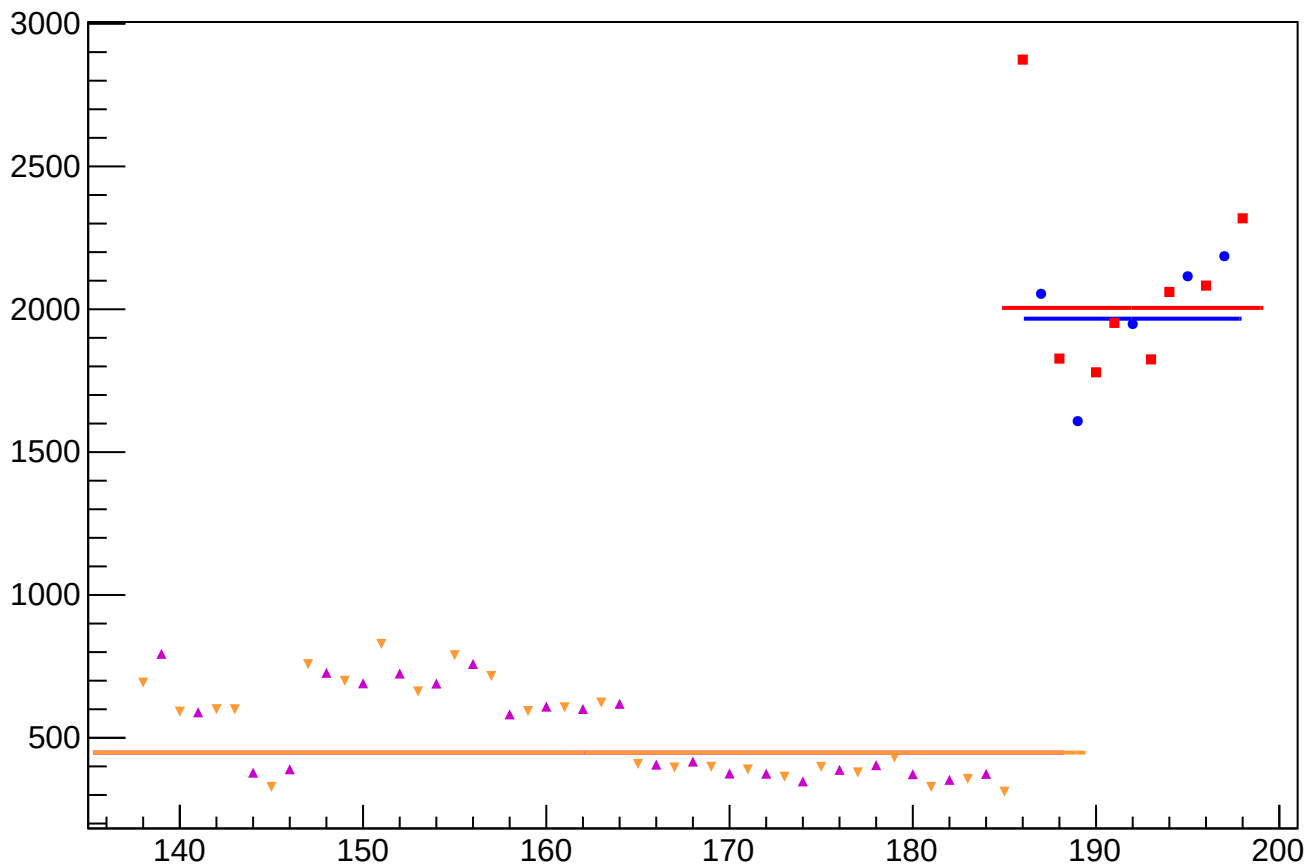
Right: -972.847+/-725.314 χ^2/NDF : 12.0/12

In: 105.258+/-111.007 χ^2/NDF : 34.4/27

Out: 304.677+/-109.031 χ^2/NDF : 61.6/32

All: 206.758+/-77.786 χ^2/NDF : 97.6/60

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1967.044+/-0.858 χ^2/NDF : 70960.0/4

Left Out: 448.397+/-0.078 χ^2/NDF : 3077183.0/24

Right Out: 2004.833+/-0.640 χ^2/NDF : 143475.1/7

Left In: 448.238+/-0.079 χ^2/NDF : 2563455.5/22

Left: 448.319+/-0.055 χ^2/NDF : 5640640.6/47

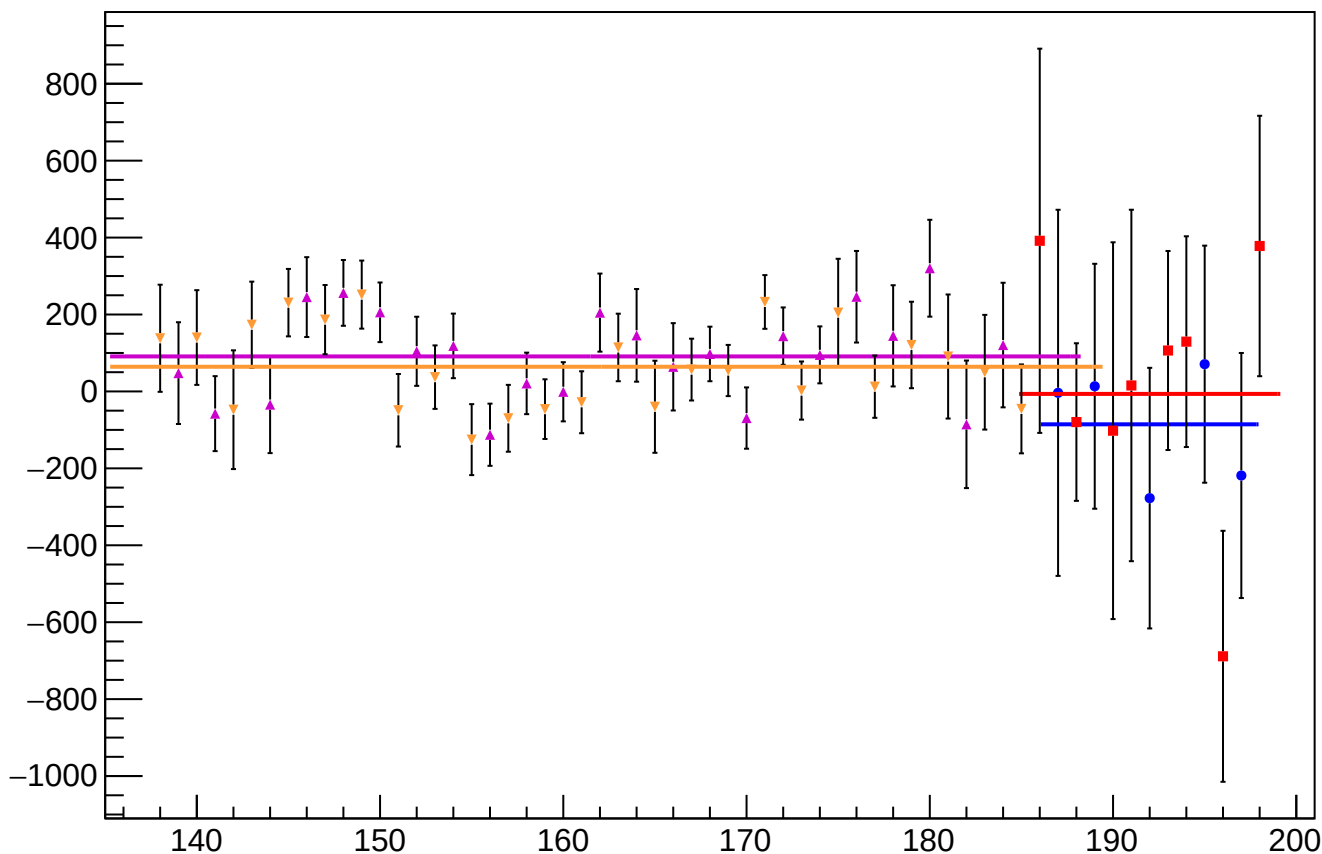
Right: 1991.315+/-0.513 χ^2/NDF : 215682.3/12

In: 460.964+/-0.078 χ^2/NDF : 5745106.0/27

Out: 470.986+/-0.077 χ^2/NDF : 9050052.8/32

All: 466.065+/-0.055 χ^2/NDF : 14803456.5/60

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -85.509 ± 151.849 χ^2/NDF : 0.9/4

Left Out: 64.142 ± 18.728 χ^2/NDF : 33.8/24

Right Out: -6.432 ± 109.652 χ^2/NDF : 6.9/7

Left In: 91.028 ± 19.637 χ^2/NDF : 32.6/22

Left: 76.948 ± 13.553 χ^2/NDF : 67.4/47

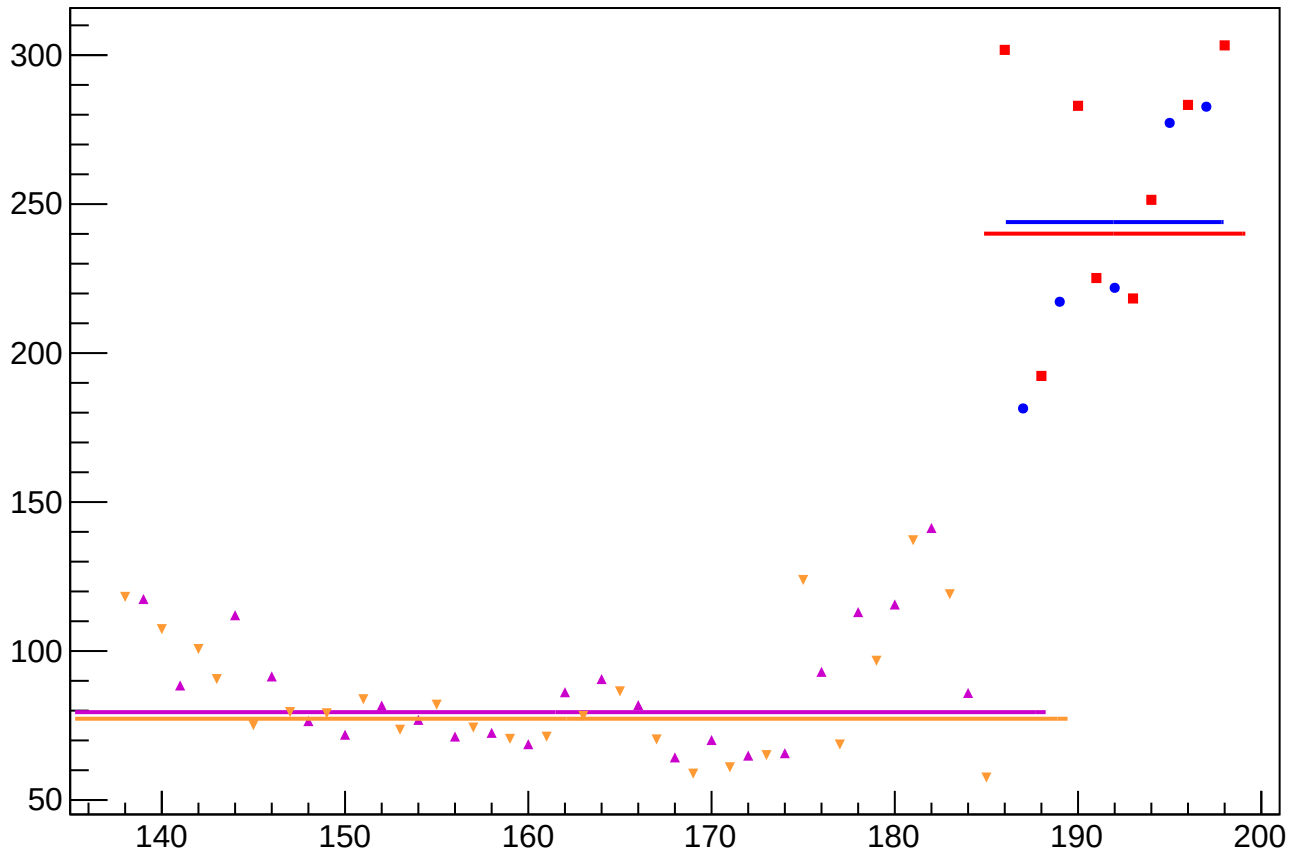
Right: -33.534 ± 88.897 χ^2/NDF : 8.0/12

In: 88.125 ± 19.475 χ^2/NDF : 34.9/27

Out: 62.141 ± 18.460 χ^2/NDF : 41.1/32

All: 74.438 ± 13.398 χ^2/NDF : 76.9/60

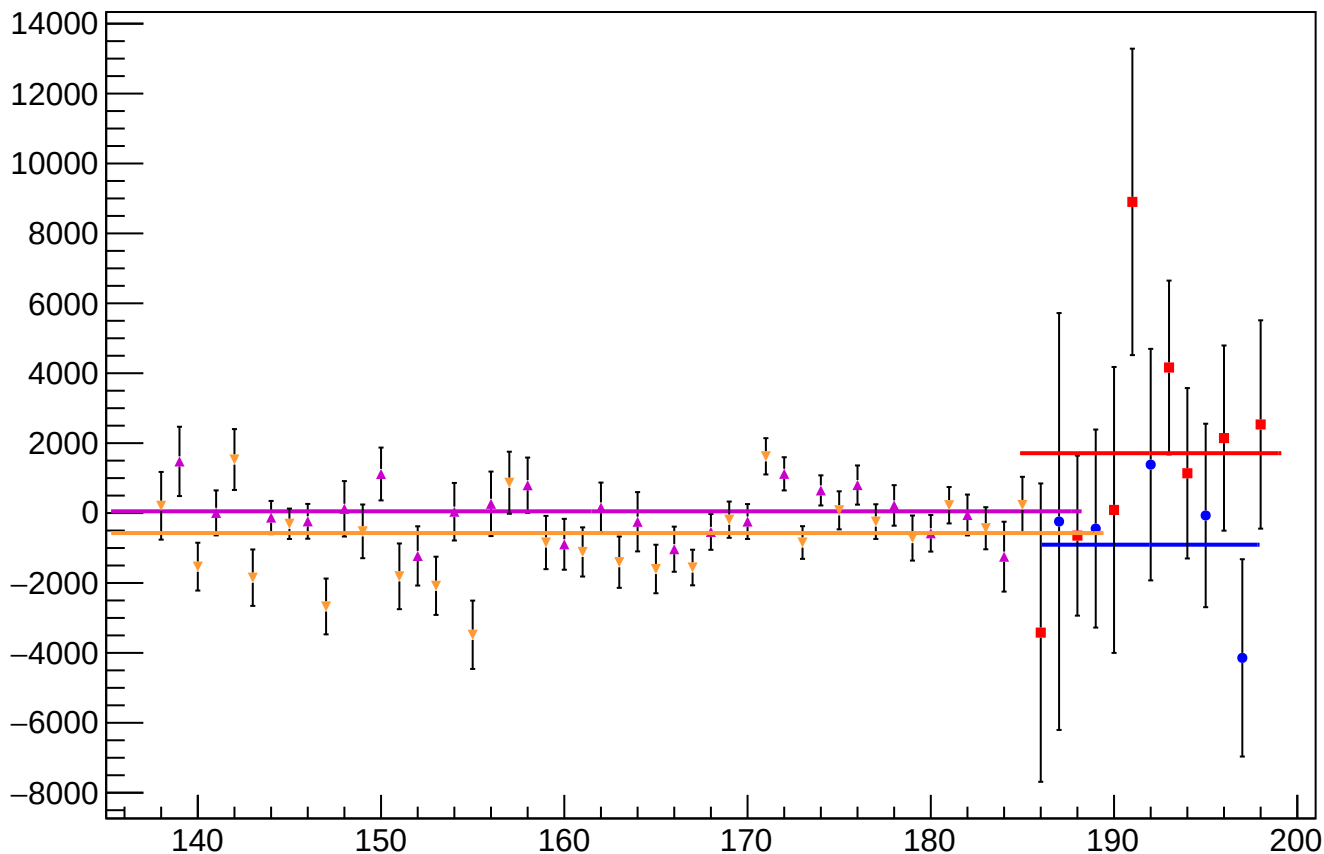
dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 243.966+/-0.107 χ^2/NDF : 109998.0/4
 Left Out: 77.280+/-0.013 χ^2/NDF :1553410.1/24
 Right Out: 240.087+/-0.078 χ^2/NDF : 278928.2/7
 Left In: 79.491+/-0.014 χ^2/NDF :1333774.9/22

Left: 78.333+/-0.010 χ^2/NDF : 2900472.8/47
 Right: 241.416+/-0.063 χ^2/NDF : 389784.0/12
 In: 82.197+/-0.014 χ^2/NDF :3751578.8/27
 Out: 81.894+/-0.013 χ^2/NDF :6116397.4/32
 All: 82.037+/-0.009 χ^2/NDF : 9868231.0/60

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -904.966 $\pm$ 1393.870 χ^2 /NDF: 1.9/4

Left Out: -571.669 $\pm$ 128.158 χ^2 /NDF:66.8/24

Right Out: 1712.410 $\pm$ 1029.871 χ^2 /NDF: 6.5/7

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

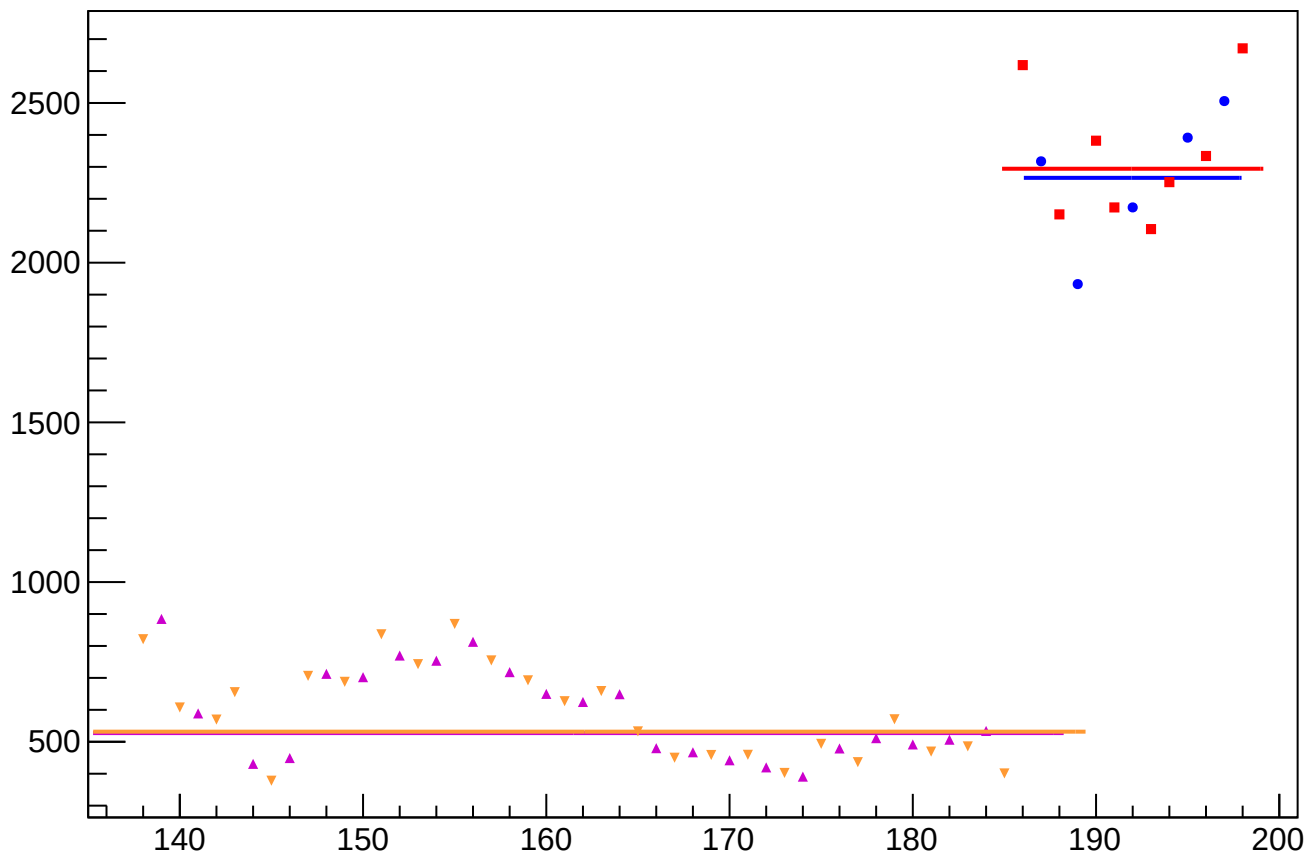
Right: 788.131 $\pm$ 828.306 χ^2 /NDF: 10.7/12

In: 41.943 $\pm$ 128.635 χ^2 /NDF:28.6/27

Out: -536.838 $\pm$ 127.177 χ^2 /NDF:78.1/32

All: -250.747 $\pm$ 90.439 χ^2 /NDF: 116.9/60

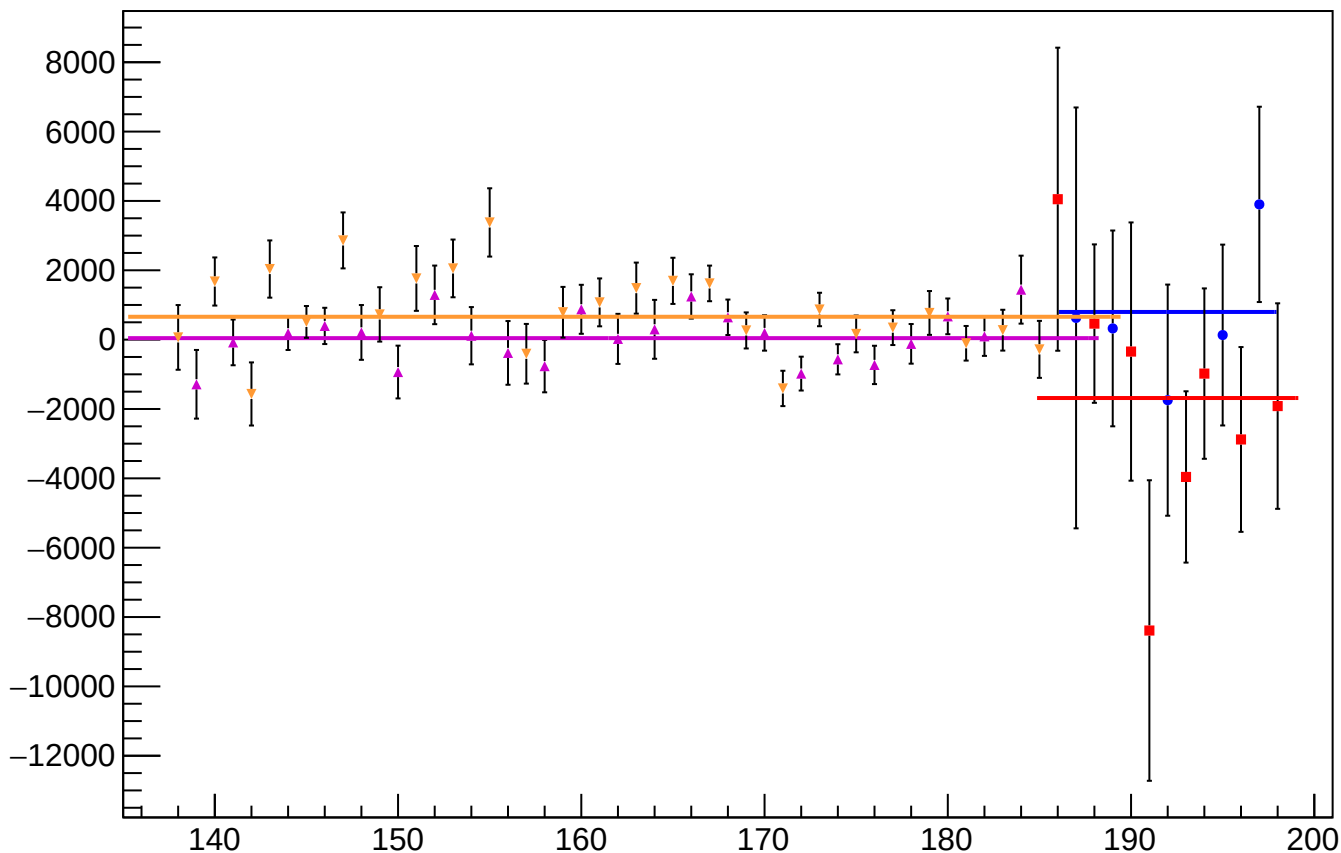
asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 2265.635 $\pm$ 0.986 χ^2 /NDF: 48411.4/4
 Left Out: 531.643 $\pm$ 0.091 χ^2 /NDF: 2038304.3/24
 Right Out: 2294.135 $\pm$ 0.728 χ^2 /NDF: 66409.8/7
 Left In: 527.182 $\pm$ 0.091 χ^2 /NDF: 1813383.7/22

Left: 529.430 $\pm$ 0.064 χ^2 /NDF: 3852889.7/47
 Right: 2284.071 $\pm$ 0.586 χ^2 /NDF: 115362.1/12
 In: 541.988 $\pm$ 0.091 χ^2 /NDF: 4946377.6/27
 Out: 558.520 $\pm$ 0.090 χ^2 /NDF: 7872974.7/32
 All: 550.348 $\pm$ 0.064 χ^2 /NDF: 12836055.9/60

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 798.379+/-1392.460 χ^2/NDF : 1.9/4

Left Out: 659.523+/-128.164 χ^2/NDF : 62.4/24

Right Out: -1683.766+/-1024.079 χ^2/NDF : 6.3/7

Left In: 43.183+/-129.538 χ^2/NDF : 26.0/22

Left: 354.638+/-91.108 χ^2/NDF : 99.9/47

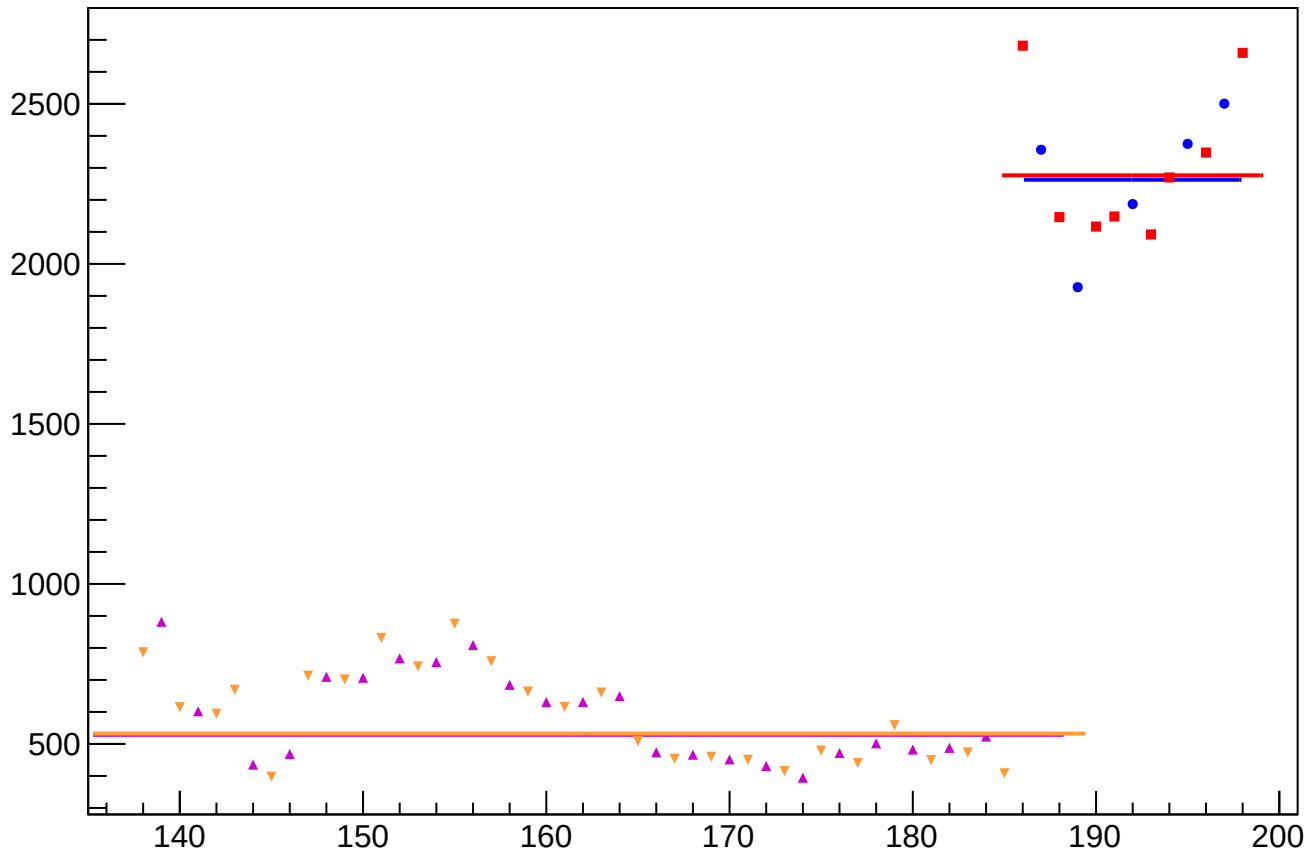
Right: -812.483+/-824.991 χ^2/NDF : 10.2/12

In: 49.662+/-128.981 χ^2/NDF : 28.2/27

Out: 623.387+/-127.172 χ^2/NDF : 73.8/32

All: 340.575+/-90.557 χ^2/NDF : 112.1/60

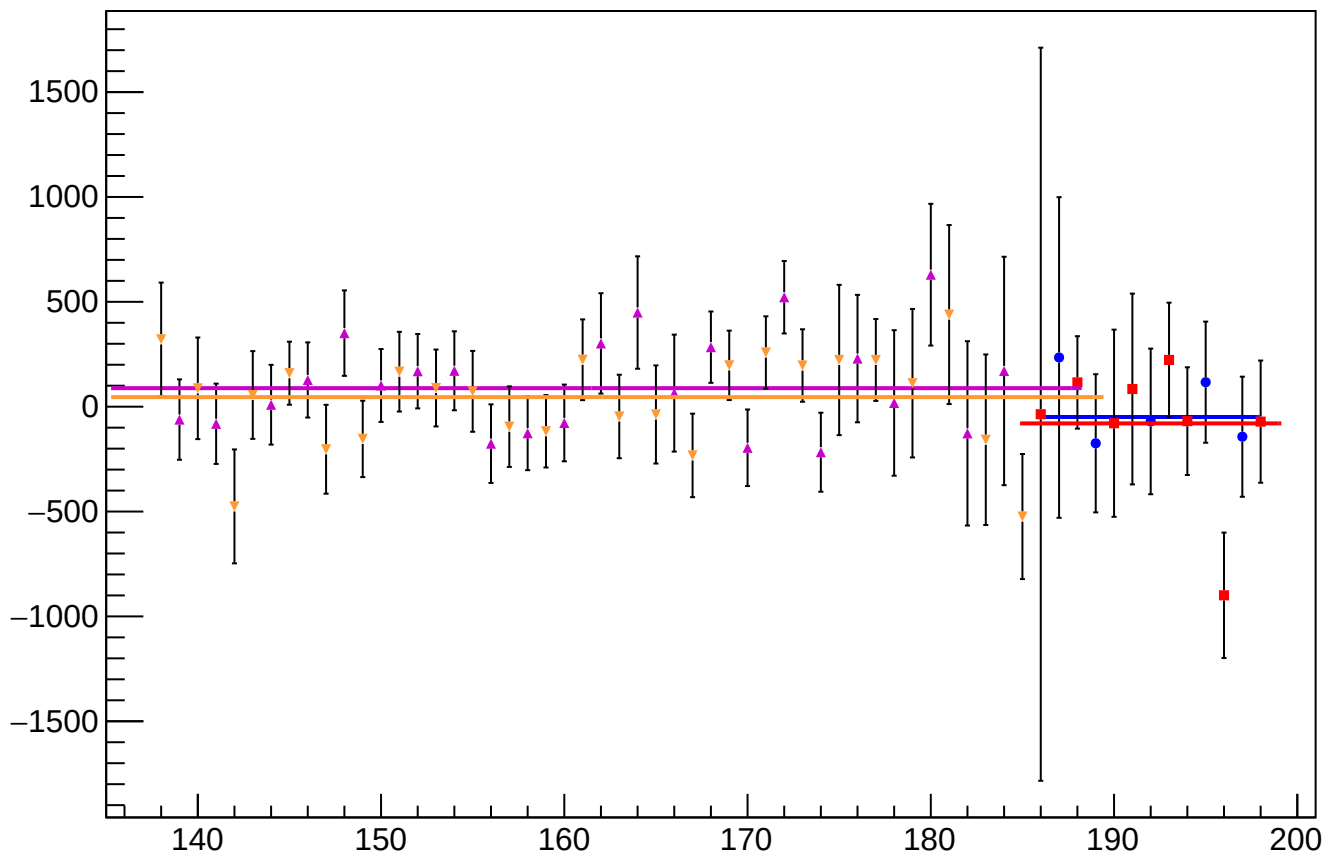
asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 2263.020+/-0.985 χ^2/NDF : 47719.8/4
 Left Out: 532.393+/-0.091 χ^2/NDF : 1943066.8/24
 Right Out: 2276.778+/-0.724 χ^2/NDF : 75150.7/7
 Left In: 528.464+/-0.092 χ^2/NDF : 1712049.5/22

Left: 530.449+/-0.064 χ^2/NDF : 3656045.7/47
 Right: 2271.949+/-0.583 χ^2/NDF : 122997.1/12
 In: 543.347+/-0.091 χ^2/NDF : 4836564.8/27
 Out: 559.293+/-0.090 χ^2/NDF : 7731665.2/32
 All: 551.433+/-0.064 χ^2/NDF : 12583730.7/60

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -49.184 $\pm$ 151.783 χ^2/NDF : 0.7/4

Left Out: 45.675 $\pm$ 41.779 χ^2/NDF :21.9/24

Right Out: -79.727 $\pm$ 110.221 χ^2/NDF : 9.7/7

Left In: 88.356 $\pm$ 43.518 χ^2/NDF :26.4/22

Left: 66.145 $\pm$ 30.138 χ^2/NDF : 48.8/47

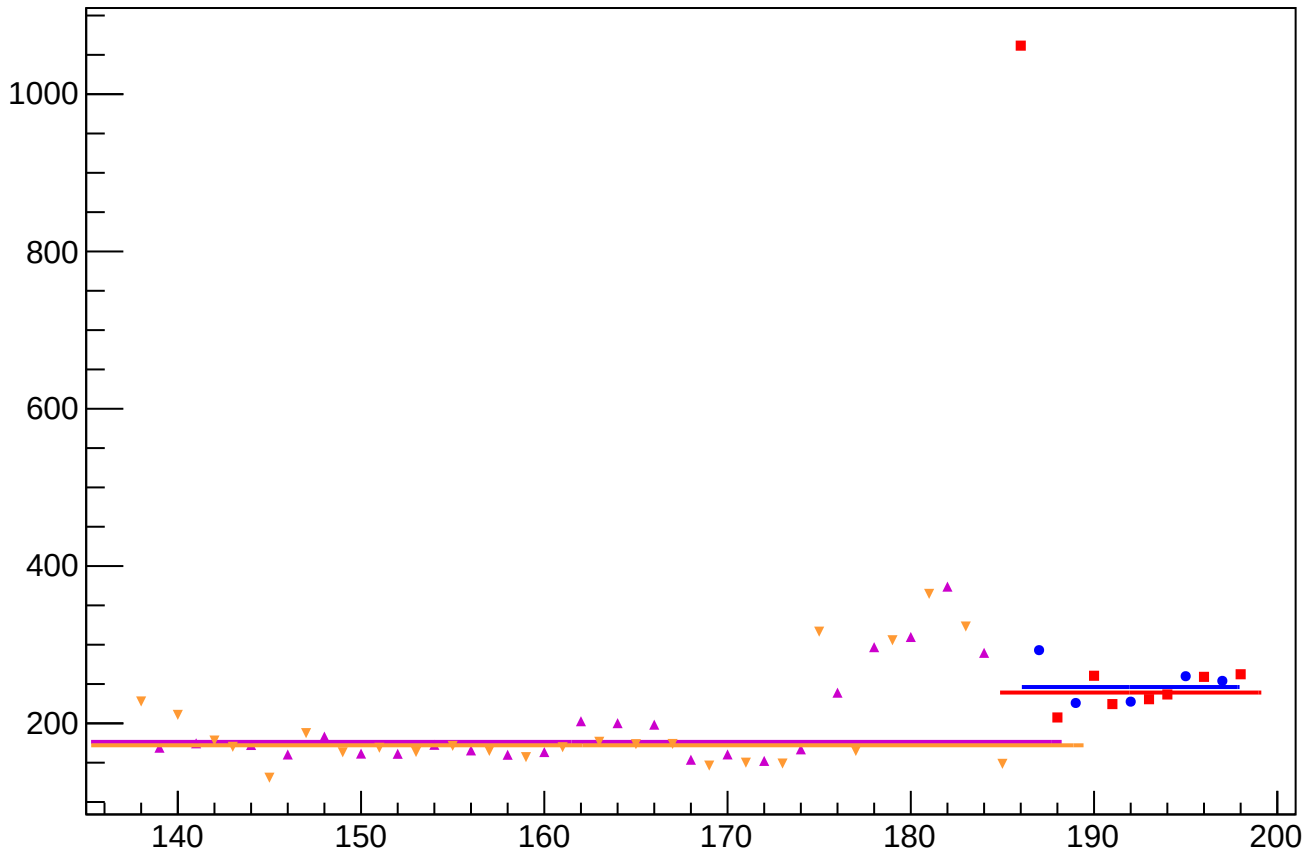
Right: -69.182 $\pm$ 89.186 χ^2/NDF : 10.4/12

In: 77.908 $\pm$ 41.833 χ^2/NDF :27.8/27

Out: 29.921 $\pm$ 39.066 χ^2/NDF :32.7/32

All: 52.276 $\pm$ 28.552 χ^2/NDF : 61.3/60

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 246.181 $\pm$ 0.107 χ^2 /NDF: 26871.4/4

Left Out: 172.097 $\pm$ 0.030 χ^2 /NDF:1752497.1/24

Right Out: 239.162 $\pm$ 0.078 χ^2 /NDF: 514691.3/7

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

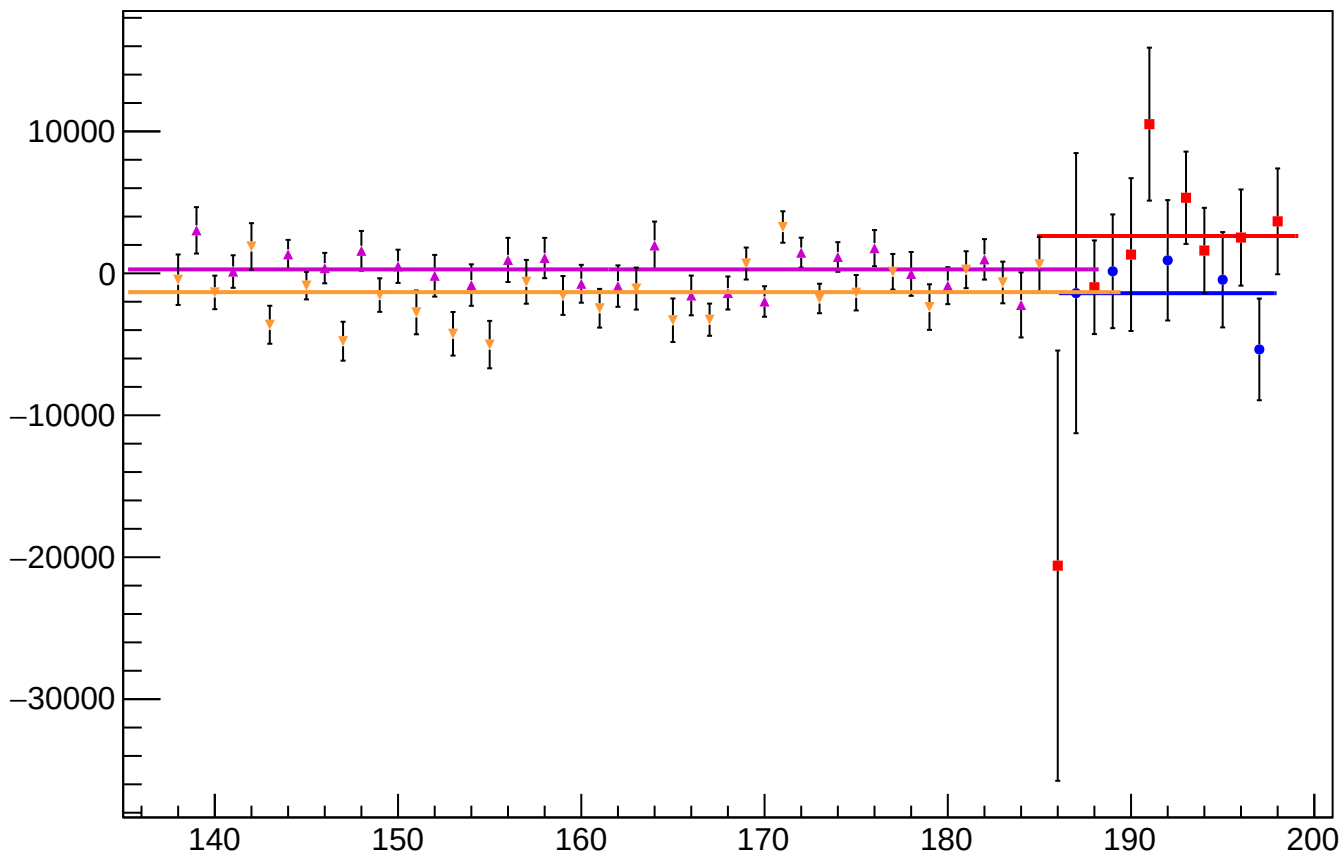
Right: 241.585 $\pm$ 0.063 χ^2 /NDF: 544363.0/12

In: 181.724 $\pm$ 0.030 χ^2 /NDF:1777815.1/27

Out: 180.522 $\pm$ 0.028 χ^2 /NDF:2914612.3/32

All: 181.082 $\pm$ 0.020 χ^2 /NDF: 4693309.0/60

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -1398.577 ± 1841.647 $\chi^2/\text{NDF}: 1.8/4$

Left Out: -1324.367 ± 265.950 $\chi^2/\text{NDF}: 53.6/24$

Right Out: 2629.903 ± 1374.744 $\chi^2/\text{NDF}: 6.6/7$

Left In: 276.678 ± 270.547 $\chi^2/\text{NDF}: 22.0/22$

Left: -537.562 ± 189.659 $\chi^2/\text{NDF}: 93.5/47$

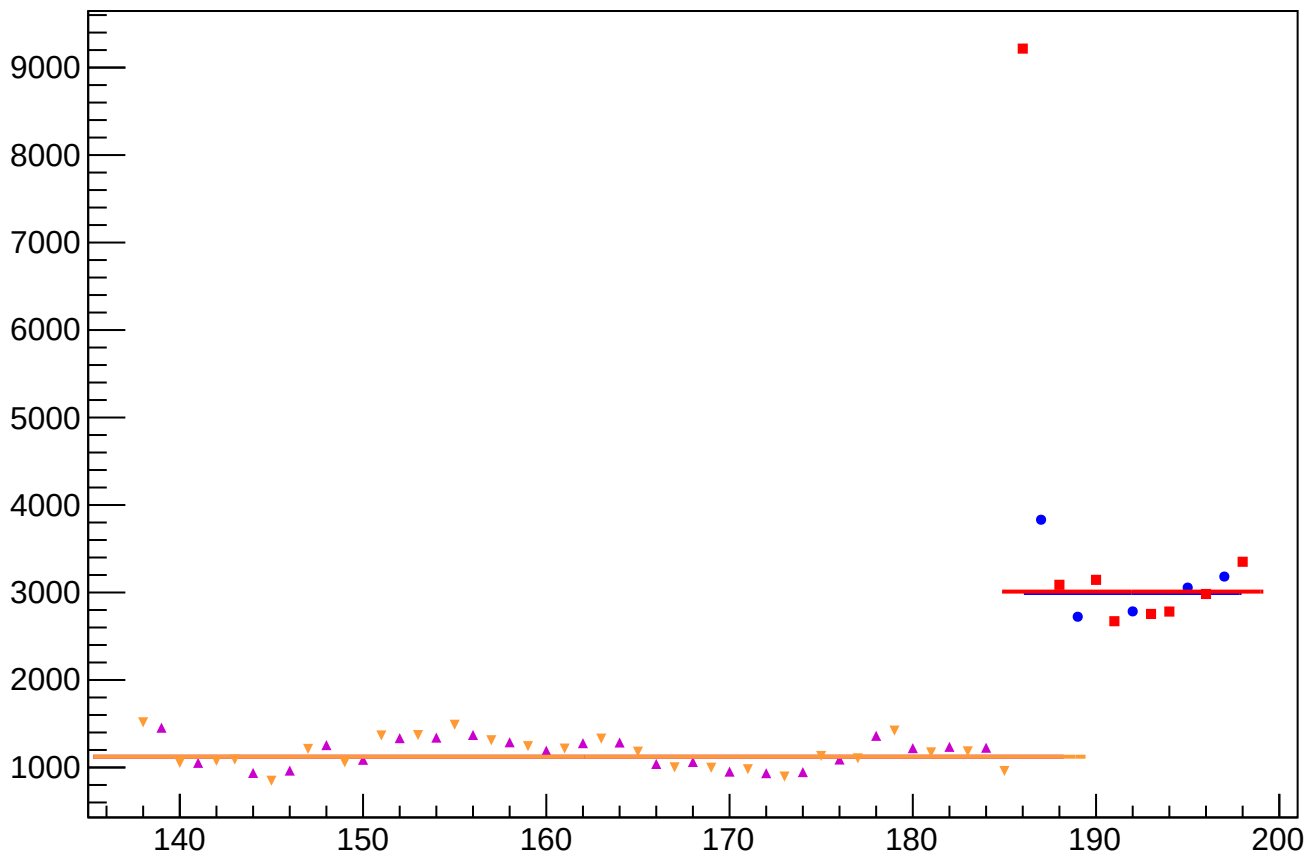
Right: 1188.384 ± 1101.656 $\chi^2/\text{NDF}: 11.4/12$

In: 241.288 ± 267.674 $\chi^2/\text{NDF}: 24.6/27$

Out: -1181.719 ± 261.109 $\chi^2/\text{NDF}: 68.2/32$

All: -487.880 ± 186.910 $\chi^2/\text{NDF}: 107.3/60$

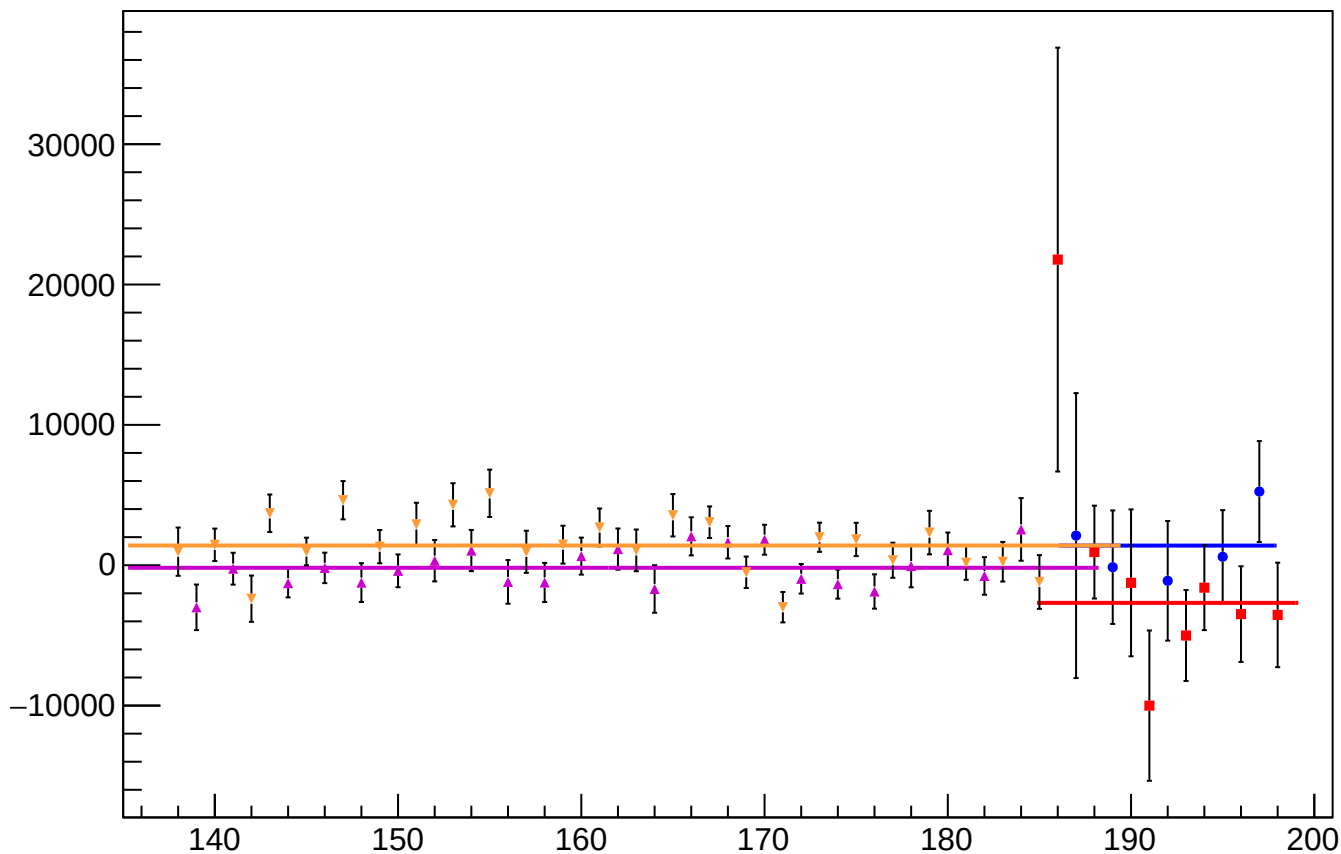
asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 2994.712 $\pm$ 1.302 χ^2 /NDF: 34658.4/4
 Left Out: 1123.022 $\pm$ 0.188 χ^2 /NDF: 842393.5/24
 Right Out: 3010.183 $\pm$ 0.972 χ^2 /NDF: 386309.3/7
 Left In: 1123.148 $\pm$ 0.191 χ^2 /NDF: 689778.4/22

Left: 1123.084 $\pm$ 0.134 χ^2 /NDF: 1532172.1/47
 Right: 3004.647 $\pm$ 0.779 χ^2 /NDF: 421058.4/12
 In: 1162.685 $\pm$ 0.189 χ^2 /NDF: 2746309.1/27
 Out: 1191.100 $\pm$ 0.185 χ^2 /NDF: 4861554.8/32
 All: 1177.245 $\pm$ 0.132 χ^2 /NDF: 7619413.0/60

asym_sam_48_avg_mean vs Slug, Sign Corrected



Left: 626.041 $\pm$ 187.406 χ^2/NDF : 94.8/47

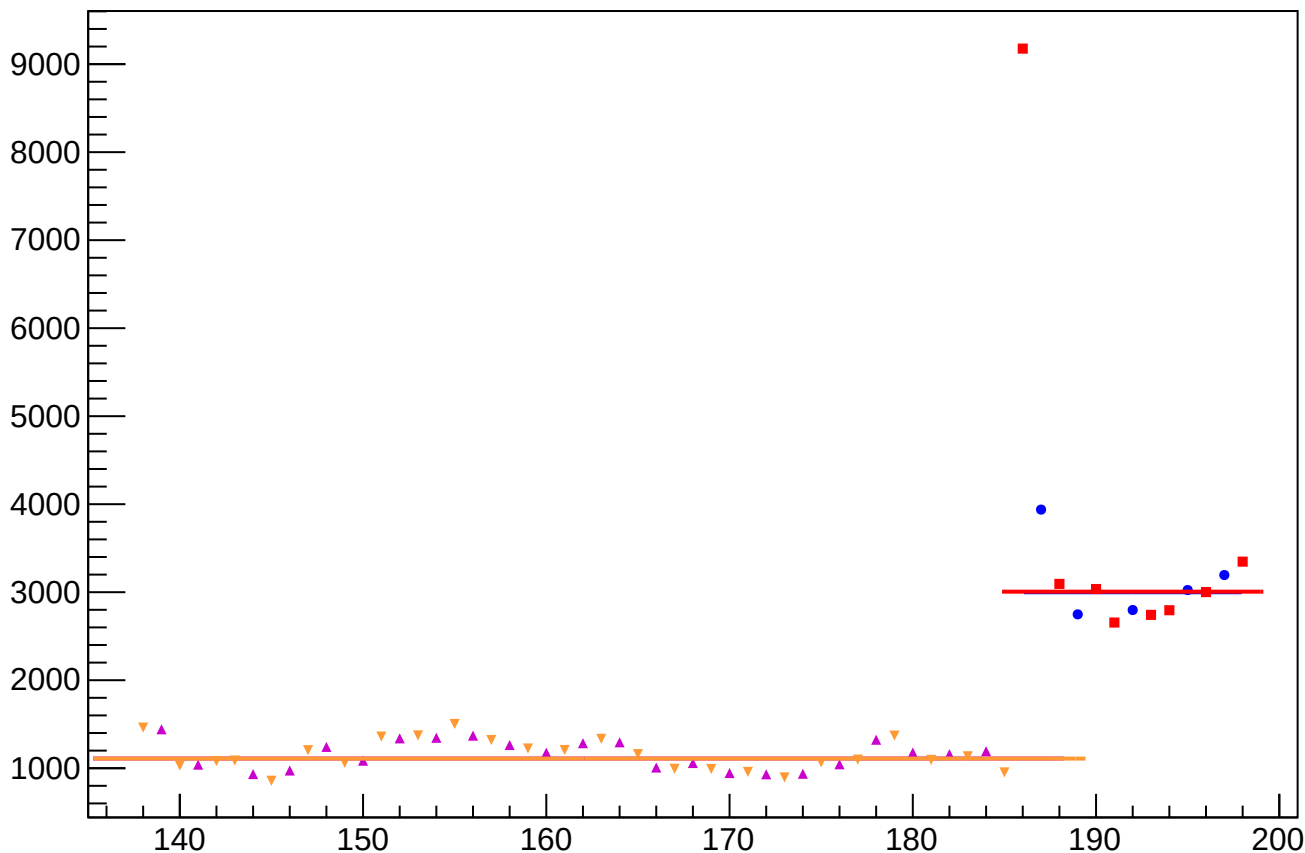
Right: -1226.895 $\pm$ 1101.692 χ^2/NDF : 11.4/12

In: -150.637 $\pm$ 264.848 χ^2/NDF : 26.1/27

Out: 1260.710 $\pm$ 257.849 χ^2/NDF : 68.2/32

All: 573.932 $\pm$ 184.752 χ^2/NDF : 108.9/60

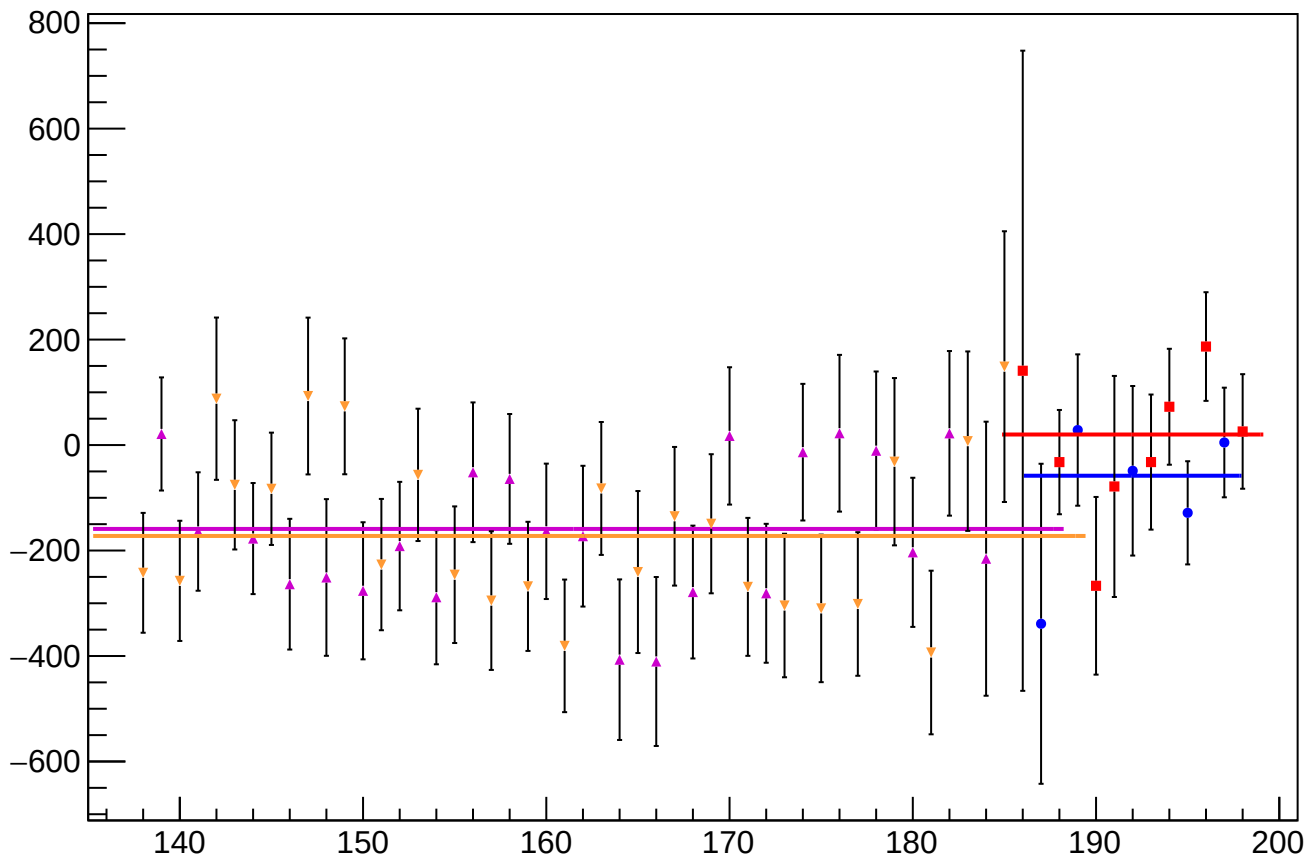
asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 2999.654+/-1.305 χ^2/NDF : 35349.8/4
 Left Out: 1109.574+/-0.186 χ^2/NDF : 812957.8/24
 Right Out: 3006.038+/-0.971 χ^2/NDF : 383854.0/7
 Left In: 1110.162+/-0.189 χ^2/NDF : 673229.2/22

Left: 1109.863+/-0.133 χ^2/NDF : 1486192.0/47
 Right: 3003.761+/-0.779 χ^2/NDF : 419219.2/12
 In: 1149.098+/-0.187 χ^2/NDF : 2762973.7/27
 Out: 1176.419+/-0.182 χ^2/NDF : 4875775.1/32
 All: 1163.124+/-0.131 χ^2/NDF : 7649675.4/60

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -58.154 ± 58.205 $\chi^2/\text{NDF}: 2.1/4$

Left Out: -172.357 ± 26.709 $\chi^2/\text{NDF}: 27.2/24$

Right Out: 20.004 ± 45.373 $\chi^2/\text{NDF}: 6.5/7$

Left In: -159.044 ± 27.608 $\chi^2/\text{NDF}: 21.1/22$

Left: -165.921 ± 19.196 $\chi^2/\text{NDF}: 48.4/47$

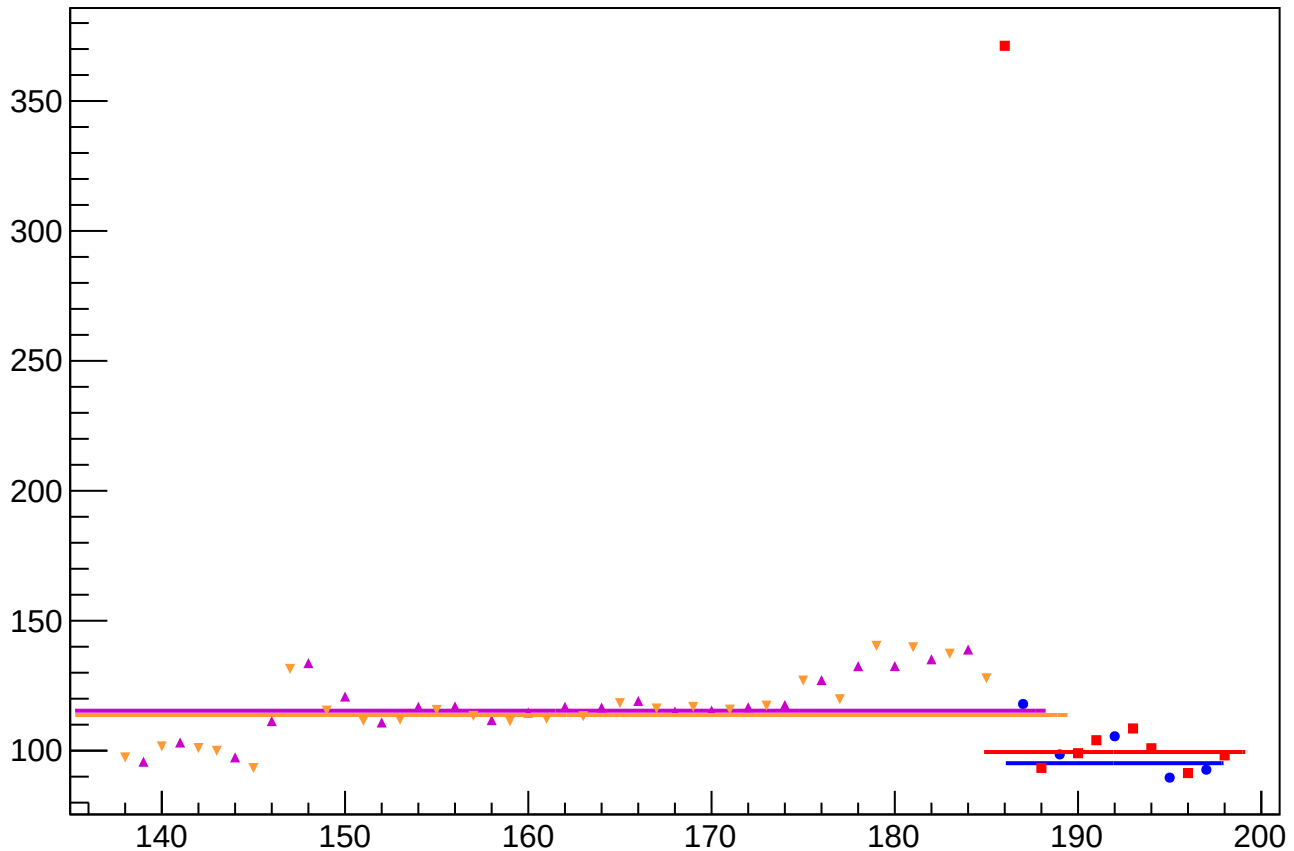
Right: -9.538 ± 35.785 $\chi^2/\text{NDF}: 9.7/12$

In: -140.514 ± 24.944 $\chi^2/\text{NDF}: 25.6/27$

Out: -122.854 ± 23.017 $\chi^2/\text{NDF}: 47.0/32$

All: -130.976 ± 16.916 $\chi^2/\text{NDF}: 72.9/60$

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 95.182 $\pm$ 0.041 χ^2 /NDF: 28283.8/4

Left Out: 113.727 $\pm$ 0.019 χ^2 /NDF: 392153.8/24

Right Out: 99.480 $\pm$ 0.032 χ^2 /NDF: 432600.9/7

Left In: 115.377 $\pm$ 0.020 χ^2 /NDF: 309034.7/22

Left: 114.525 $\pm$ 0.014 χ^2 /NDF: 704876.2/47

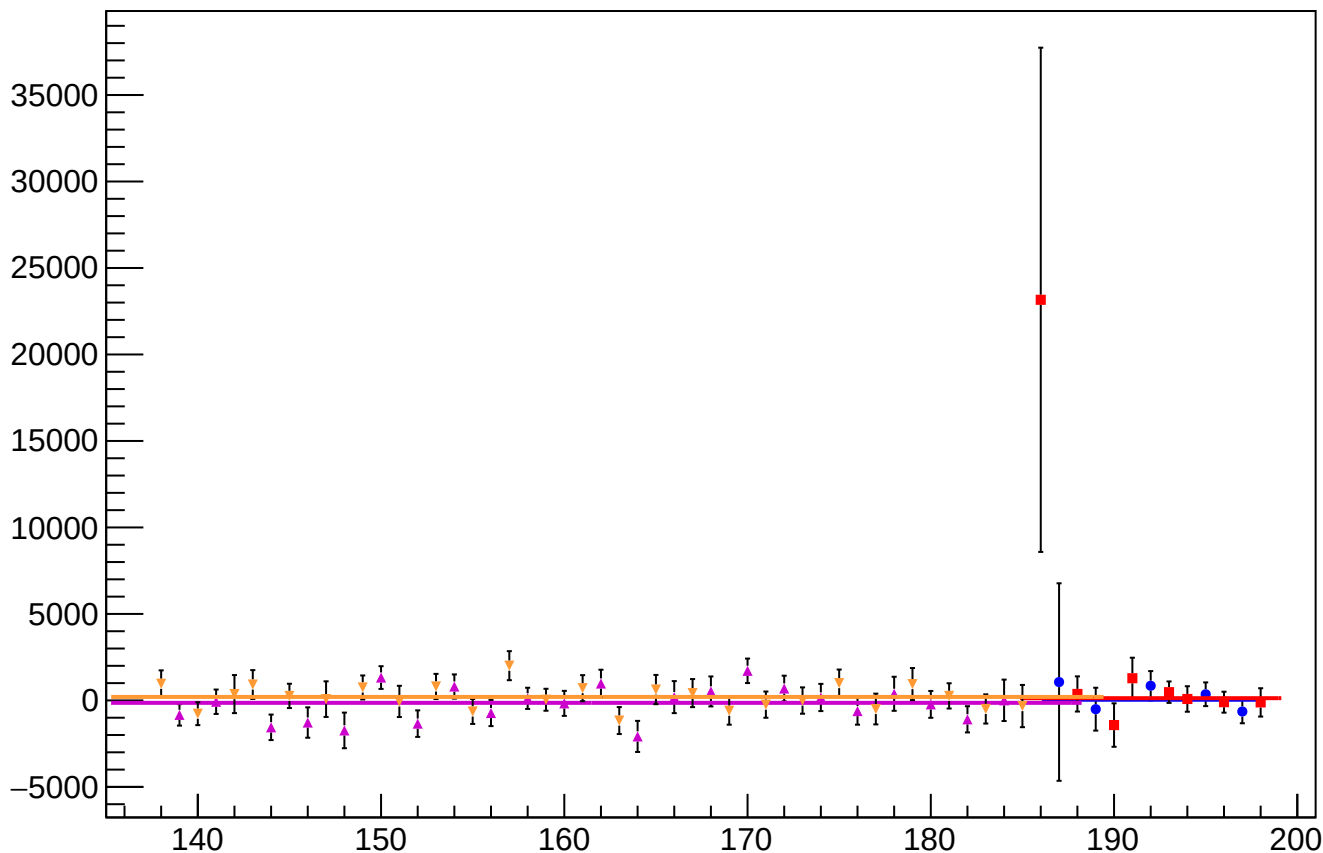
Right: 97.855 $\pm$ 0.025 χ^2 /NDF: 467669.8/12

In: 111.668 $\pm$ 0.018 χ^2 /NDF: 533863.4/27

Out: 110.061 $\pm$ 0.016 χ^2 /NDF: 971197.4/32

All: 110.800 $\pm$ 0.012 χ^2 /NDF: 1509543.5/60

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: 38.753+/-396.288 χ^2/NDF : 2.4/4

Left Out: 202.466+/-159.030 χ^2/NDF :19.8/24

Right Out: 129.392+/-301.809 χ^2/NDF : 5.6/7

Left In: -140.039+/-161.024 χ^2/NDF :36.9/22

Left: 33.348+/-113.149 χ^2/NDF : 58.9/47

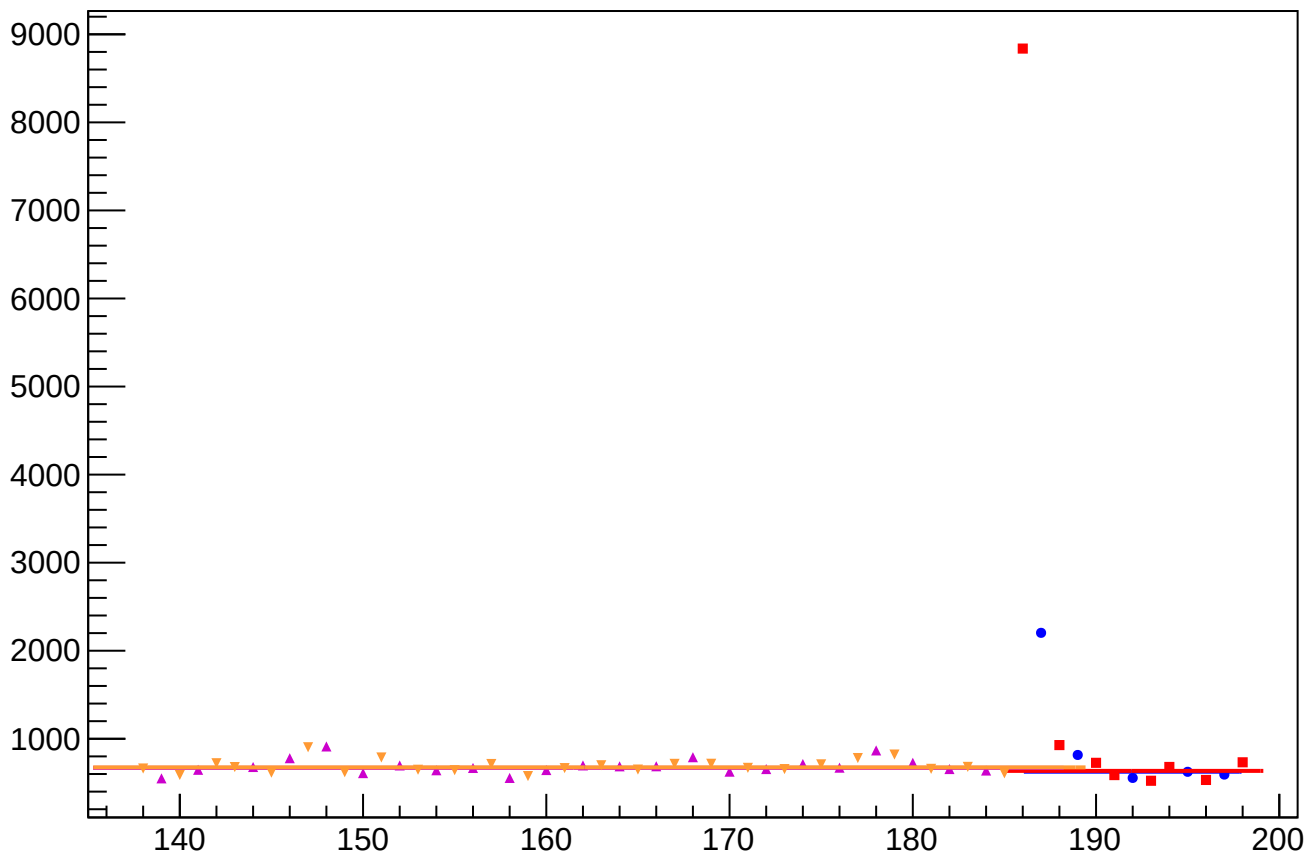
Right: 96.119+/-240.105 χ^2/NDF : 8.0/12

In: -114.703+/-149.179 χ^2/NDF :39.4/27

Out: 186.586+/-140.693 χ^2/NDF :25.4/32

All: 44.754+/-102.354 χ^2/NDF : 67.0/60

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 626.354+/-0.280 χ^2/NDF : 218153.4/4

Left Out: 675.335+/-0.112 χ^2/NDF : 358713.6/24

Right Out: 635.532+/-0.213 χ^2/NDF : 972378.6/7

Left In: 669.938+/-0.114 χ^2/NDF : 464085.7/22

Left: 672.670+/-0.080 χ^2/NDF : 823936.7/47

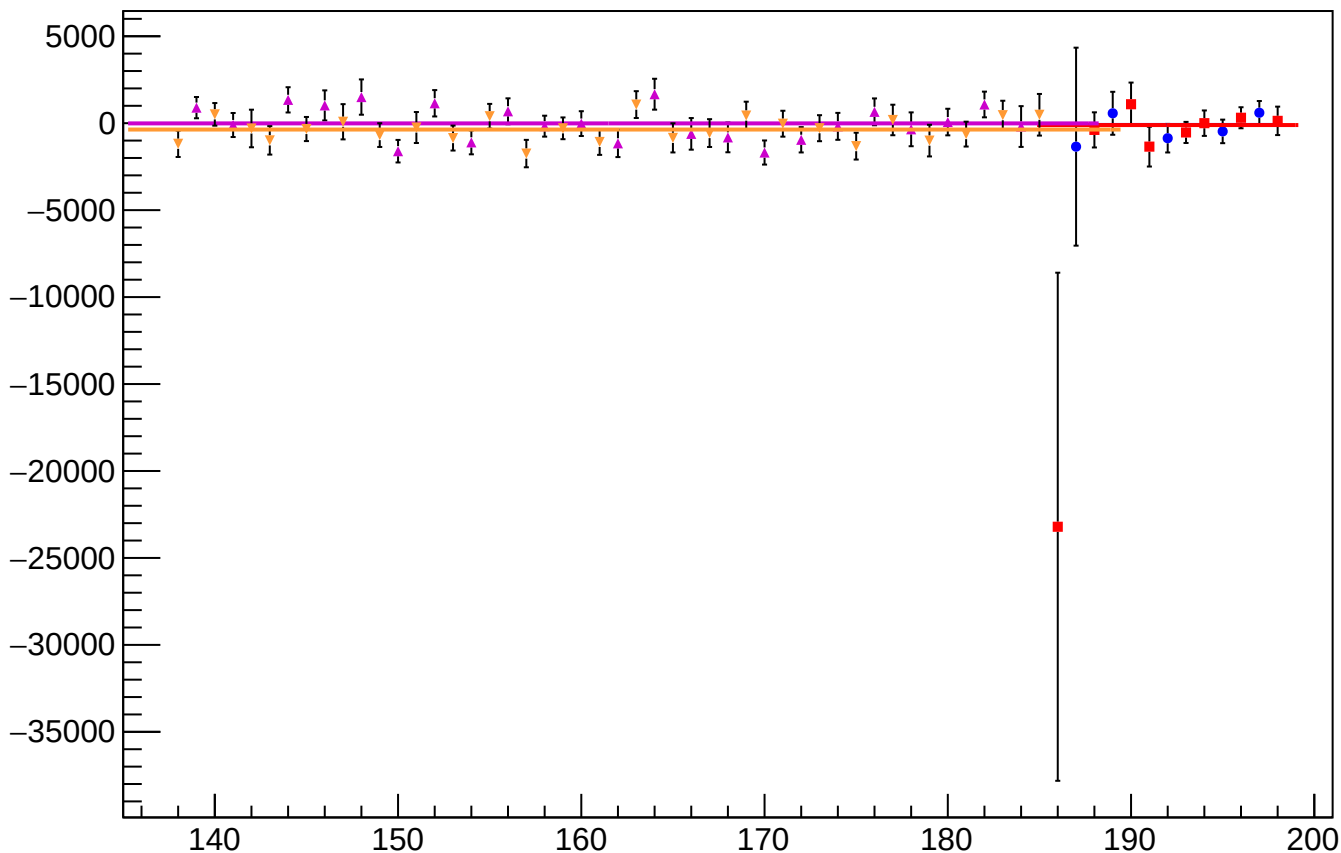
Right: 632.163+/-0.170 χ^2/NDF : 1191211.0/12

In: 663.761+/-0.105 χ^2/NDF : 703002.3/27

Out: 666.685+/-0.099 χ^2/NDF : 1358317.2/32

All: 665.309+/-0.072 χ^2/NDF : 2061726.1/60

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -101.220 ± 390.938 χ^2/NDF : 2.6/4

Left Out: -365.394 ± 156.301 χ^2/NDF : 18.7/24

Right Out: -106.857 ± 298.637 χ^2/NDF : 5.8/7

Left In: -11.243 ± 158.497 χ^2/NDF : 38.8/22

Left: -190.789 ± 111.290 χ^2/NDF : 60.1/47

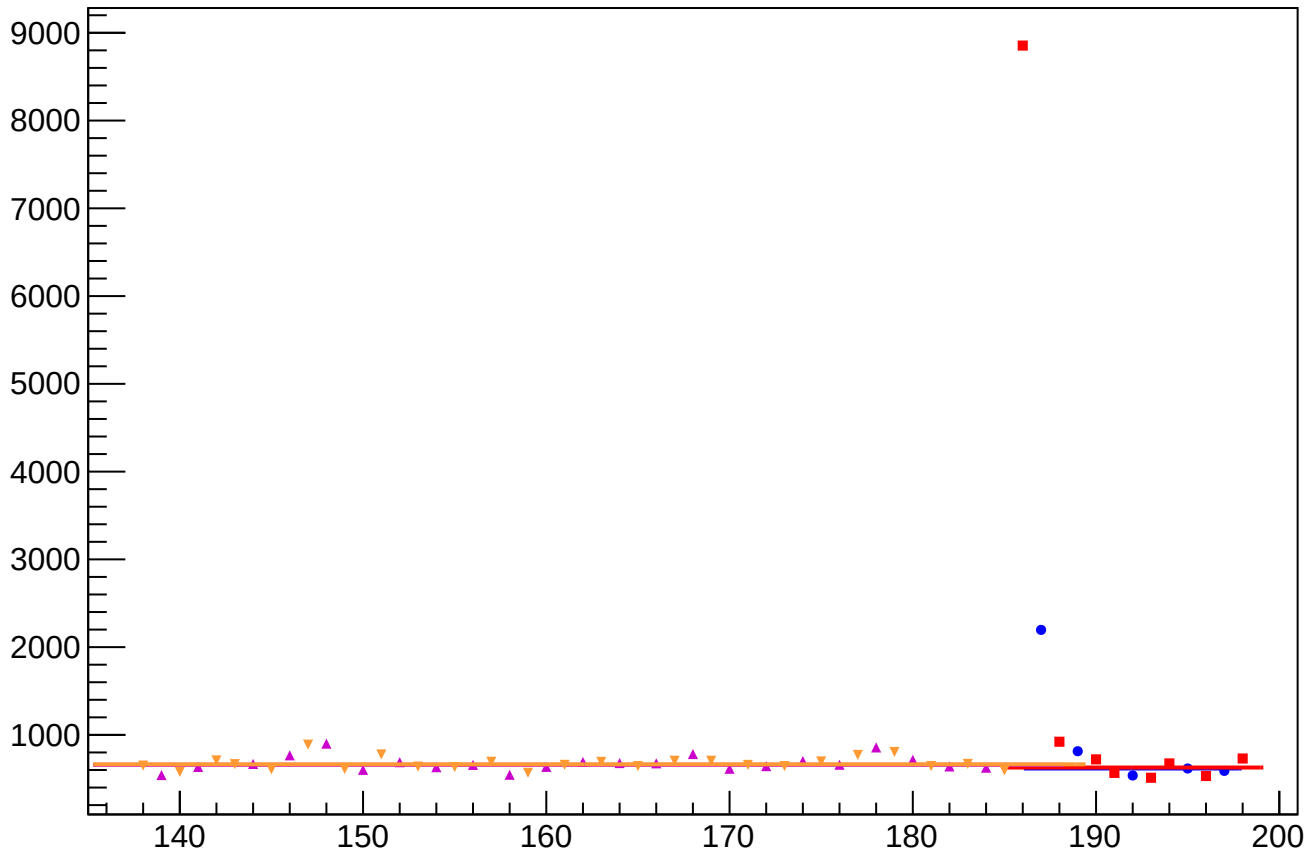
Right: -104.780 ± 237.317 χ^2/NDF : 8.3/12

In: -23.945 ± 146.884 χ^2/NDF : 41.4/27

Out: -309.802 ± 138.481 χ^2/NDF : 25.1/32

All: -175.284 ± 100.761 χ^2/NDF : 68.5/60

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 617.217 ± 0.276 $\chi^2/\text{NDF}: 226867.4/4$

Left Out: 664.618 ± 0.111 $\chi^2/\text{NDF}: 356964.3/24$

Right Out: 628.275 ± 0.211 $\chi^2/\text{NDF}: 984769.4/7$

Left In: 659.230 ± 0.112 $\chi^2/\text{NDF}: 472744.9/22$

Left: 661.962 ± 0.079 $\chi^2/\text{NDF}: 830881.0/47$

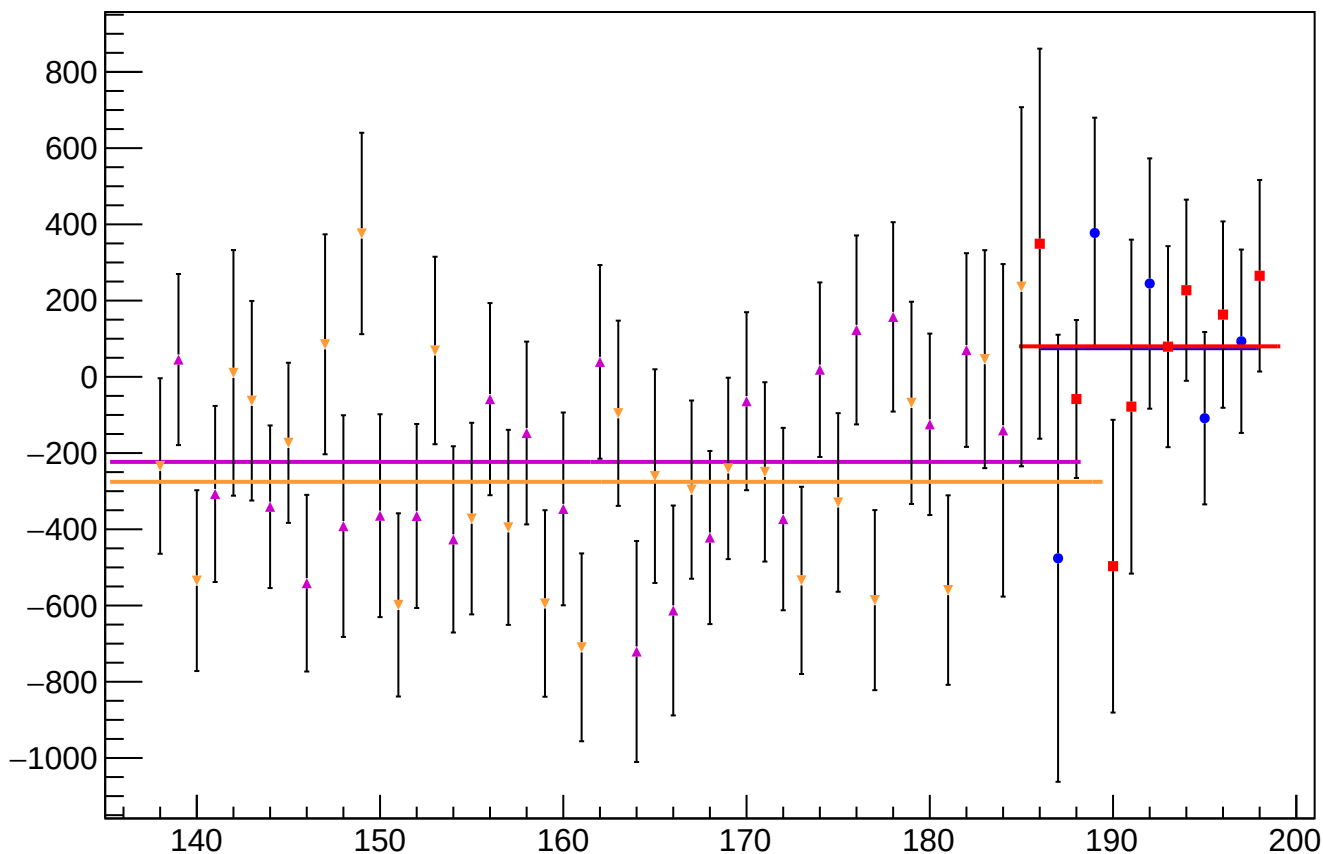
Right: 624.200 ± 0.168 $\chi^2/\text{NDF}: 1212647.4/12$

In: 653.299 ± 0.104 $\chi^2/\text{NDF}: 719450.3/27$

Out: 656.803 ± 0.098 $\chi^2/\text{NDF}: 1364985.4/32$

All: 655.154 ± 0.071 $\chi^2/\text{NDF}: 2085038.3/60$

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 75.105+/-129.148 χ^2/NDF : 2.8/4

Left Out: -275.447+/-50.539 χ^2/NDF : 27.3/24

Right Out: 79.981+/-98.178 χ^2/NDF : 4.2/7

Left In: -223.195+/-51.742 χ^2/NDF : 20.8/22

Left: -249.935+/-36.154 χ^2/NDF : 48.6/47

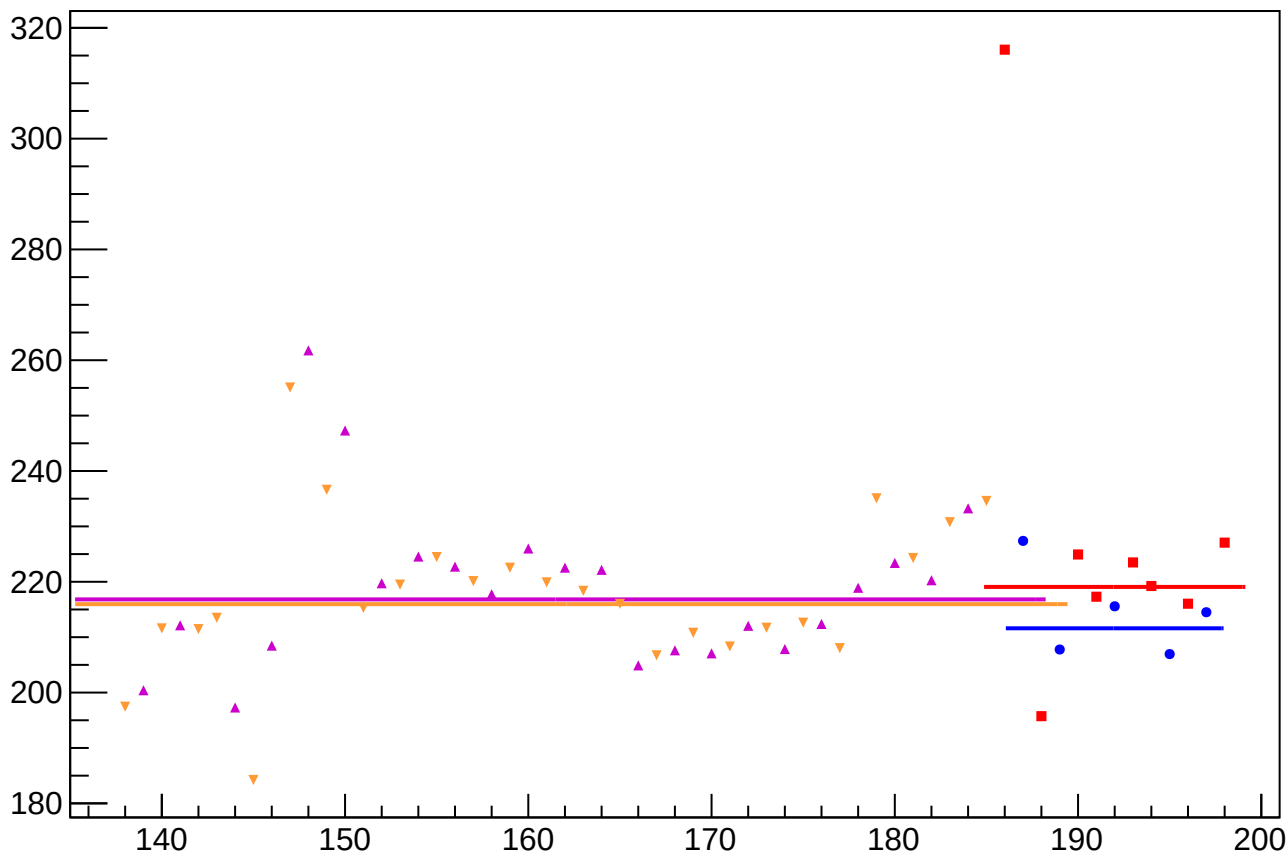
Right: 78.195+/-78.158 χ^2/NDF : 7.0/12

In: -181.937+/-48.030 χ^2/NDF : 28.2/27

Out: -200.991+/-44.935 χ^2/NDF : 41.9/32

All: -192.098+/-32.814 χ^2/NDF : 70.1/60

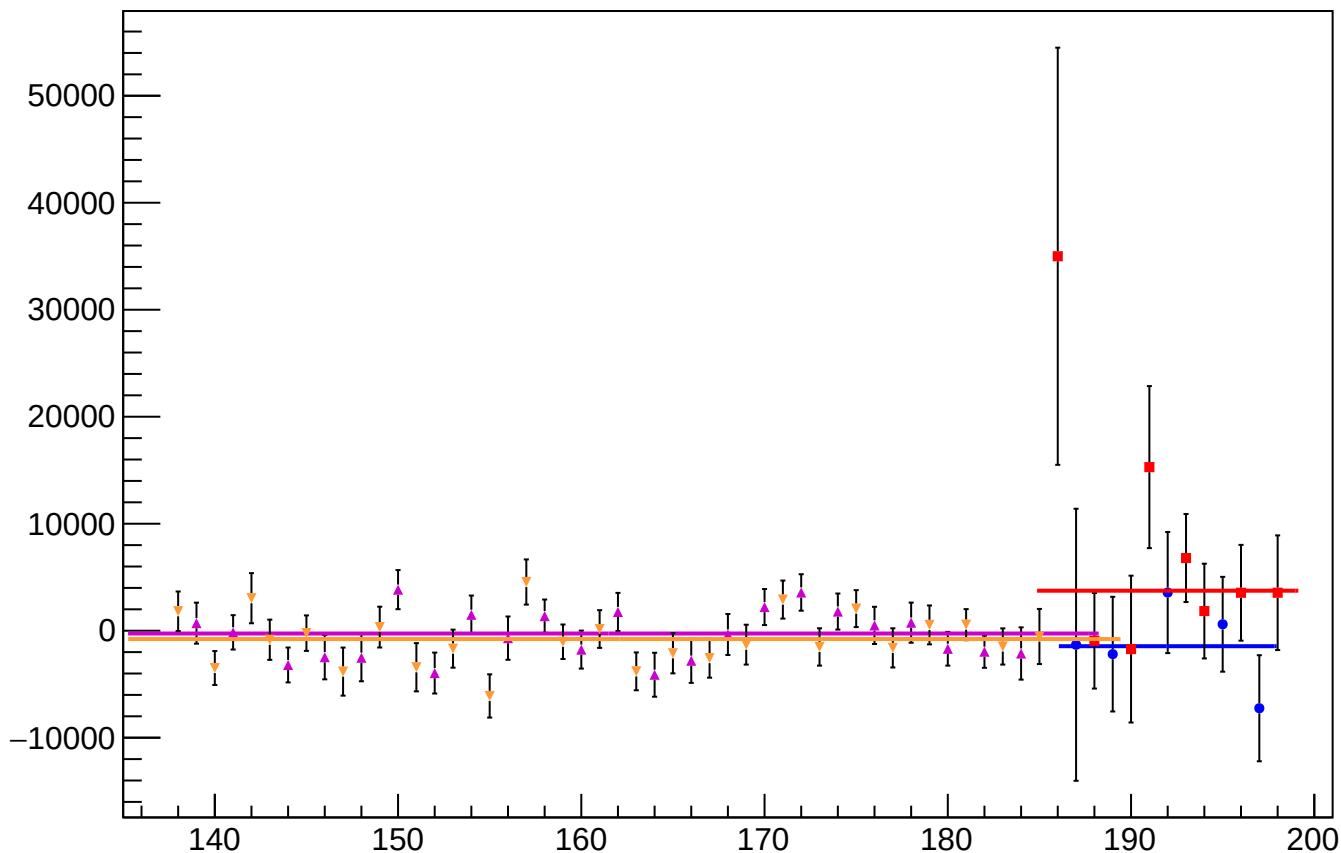
dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 211.602 $\pm$ 0.091 χ^2 /NDF: 3198.7/4
 Left Out: 215.963 $\pm$ 0.036 χ^2 /NDF:144735.1/24
 Right Out: 219.074 $\pm$ 0.069 χ^2 /NDF: 100601.8/7
 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: 216.337 $\pm$ 0.055 χ^2 /NDF: 108042.6/12
 In: 216.099 $\pm$ 0.034 χ^2 /NDF:138531.6/27
 Out: 216.615 $\pm$ 0.032 χ^2 /NDF:246924.1/32
 All: 216.374 $\pm$ 0.023 χ^2 /NDF: 385578.5/60

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1447.882 ± 2470.745 $\chi^2/\text{NDF}: 2.4/4$

Left Out: -779.146 ± 366.965 $\chi^2/\text{NDF}: 38.5/24$

Right Out: 3739.380 ± 1868.869 $\chi^2/\text{NDF}: 7.4/7$

Left In: -261.815 ± 376.203 $\chi^2/\text{NDF}: 35.4/22$

Left: -526.910 ± 262.688 $\chi^2/\text{NDF}: 74.9/47$

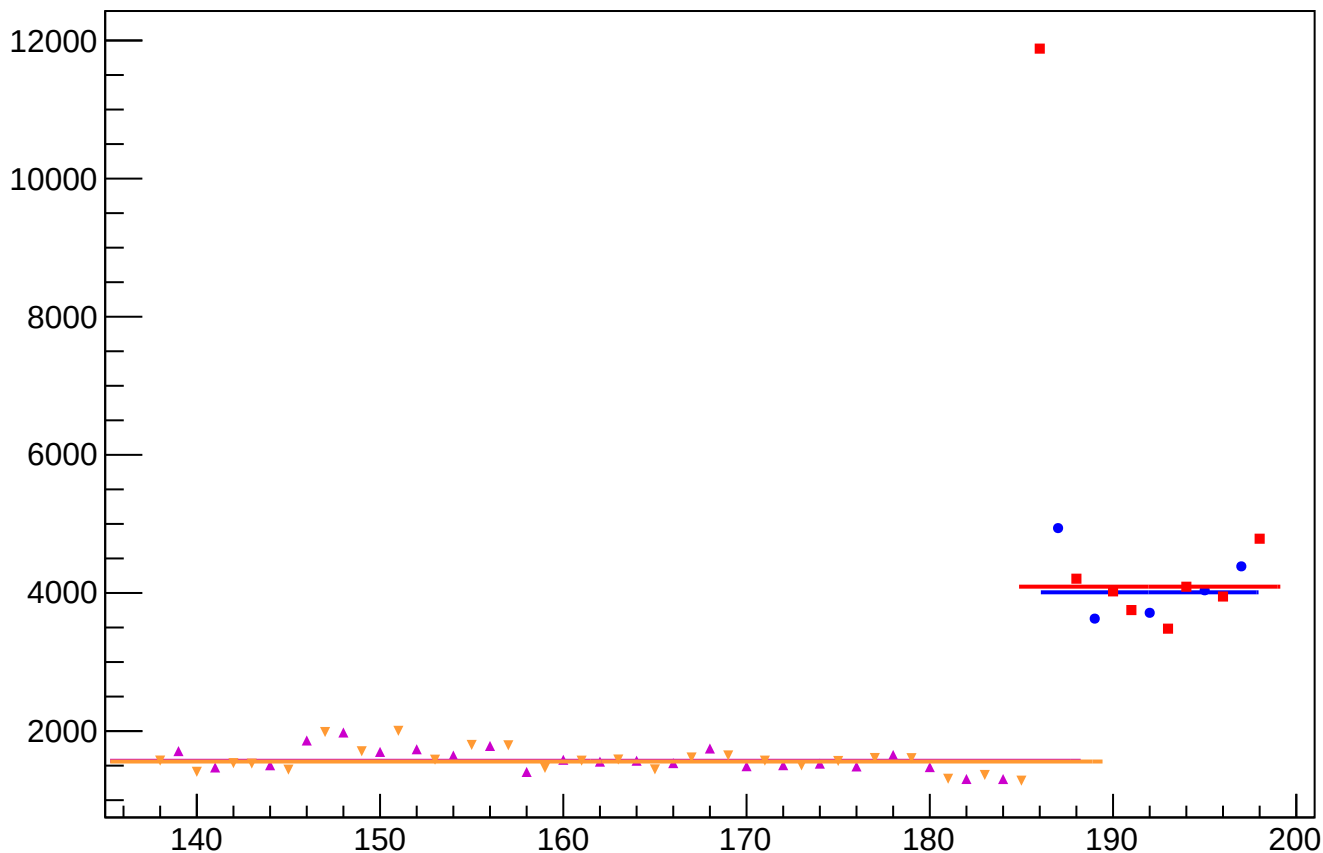
Right: 1851.610 ± 1490.505 $\chi^2/\text{NDF}: 12.6/12$

In: -288.689 ± 371.916 $\chi^2/\text{NDF}: 38.1/27$

Out: -611.398 ± 360.089 $\chi^2/\text{NDF}: 51.5/32$

All: -455.256 ± 258.701 $\chi^2/\text{NDF}: 89.9/60$

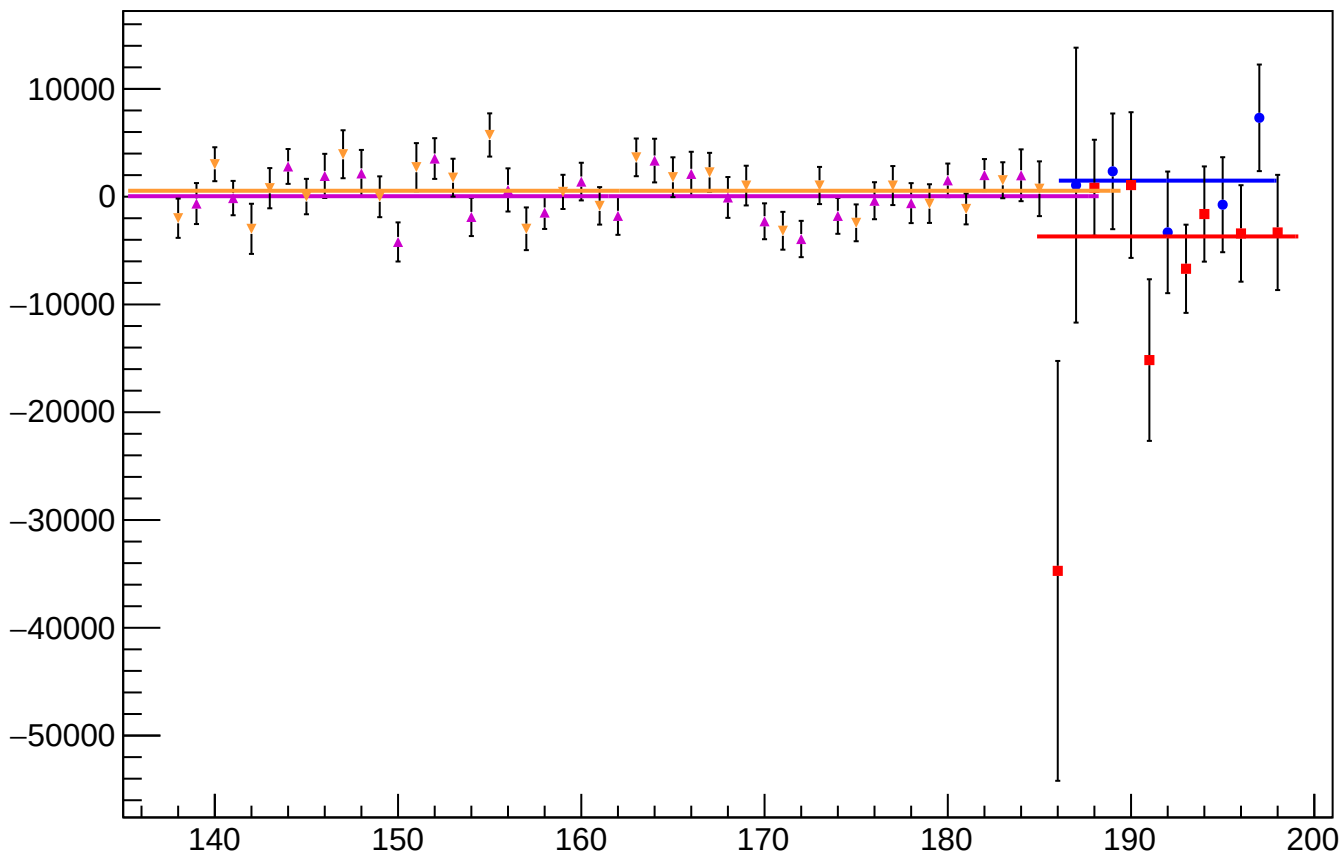
asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 4009.690 $\pm$ 1.747 χ^2 /NDF: 37878.2/4
 Left Out: 1559.504 $\pm$ 0.259 χ^2 /NDF: 379160.1/24
 Right Out: 4091.444 $\pm$ 1.321 χ^2 /NDF: 404294.2/7
 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: 4061.691 $\pm$ 1.054 χ^2 /NDF: 443565.2/12
 In: 1625.603 $\pm$ 0.263 χ^2 /NDF: 2272649.9/27
 Out: 1653.502 $\pm$ 0.255 χ^2 /NDF: 4318124.2/32
 All: 1640.003 $\pm$ 0.183 χ^2 /NDF: 6596582.7/60

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1489.128 ± 2464.400 χ^2/NDF : 2.4/4

Left Out: 550.093 ± 362.172 χ^2/NDF : 35.6/24

Right Out: -3689.337 ± 1861.719 χ^2/NDF : 7.2/7

Left In: 43.949 ± 371.765 χ^2/NDF : 33.5/22

Left: 303.636 ± 259.420 χ^2/NDF : 70.0/47

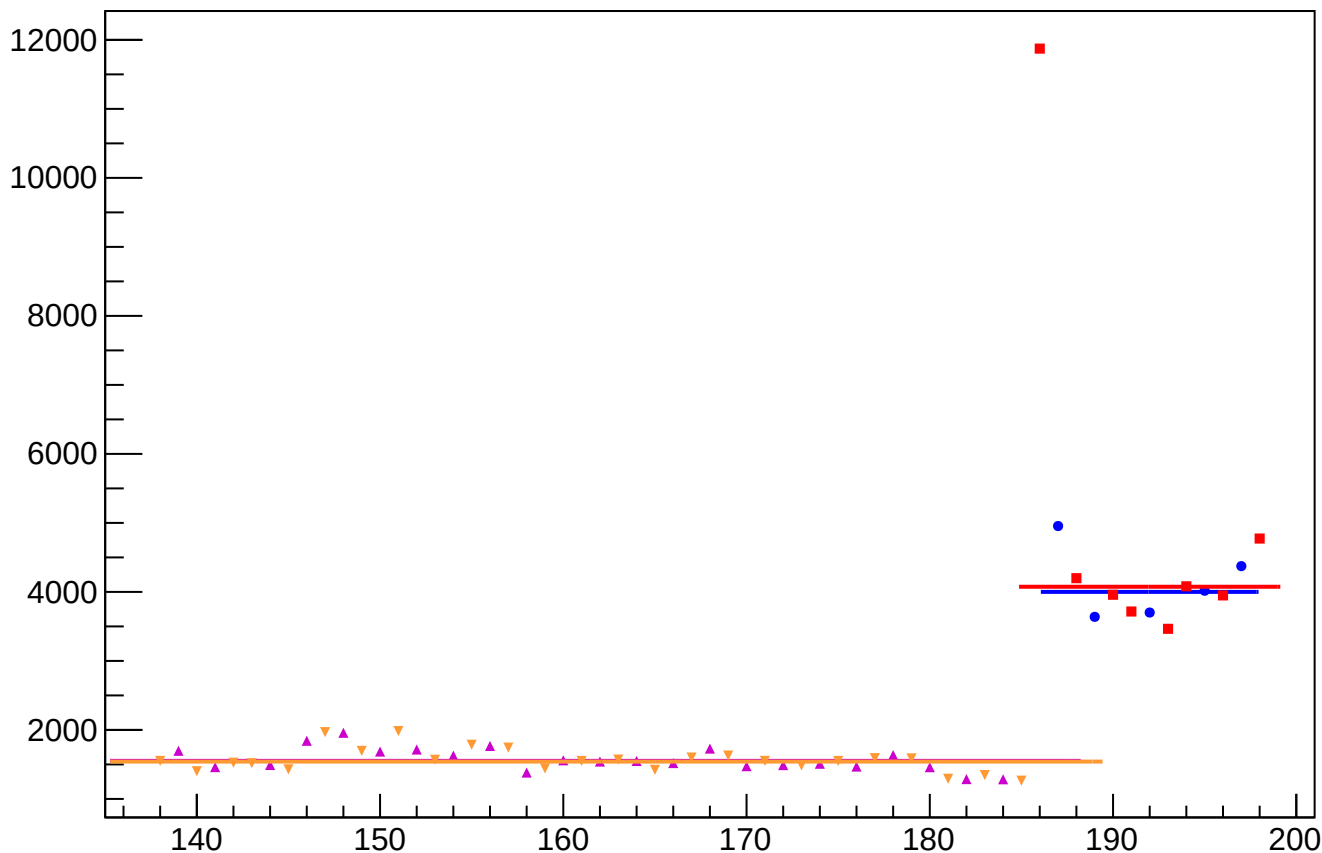
Right: -1807.793 ± 1485.484 χ^2/NDF : 12.4/12

In: 76.105 ± 367.606 χ^2/NDF : 36.3/27

Out: 395.505 ± 355.508 χ^2/NDF : 47.7/32

All: 241.147 ± 255.552 χ^2/NDF : 84.4/60

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 4000.541+/-1.743 χ^2/NDF : 37332.7/4

Left Out: 1541.149+/-0.256 χ^2/NDF : 382077.8/24

Right Out: 4074.841+/-1.316 χ^2/NDF : 407467.8/7

Left In: 1551.481+/-0.263 χ^2/NDF : 339002.9/22

Left: 1546.180+/-0.183 χ^2/NDF : 721873.3/47

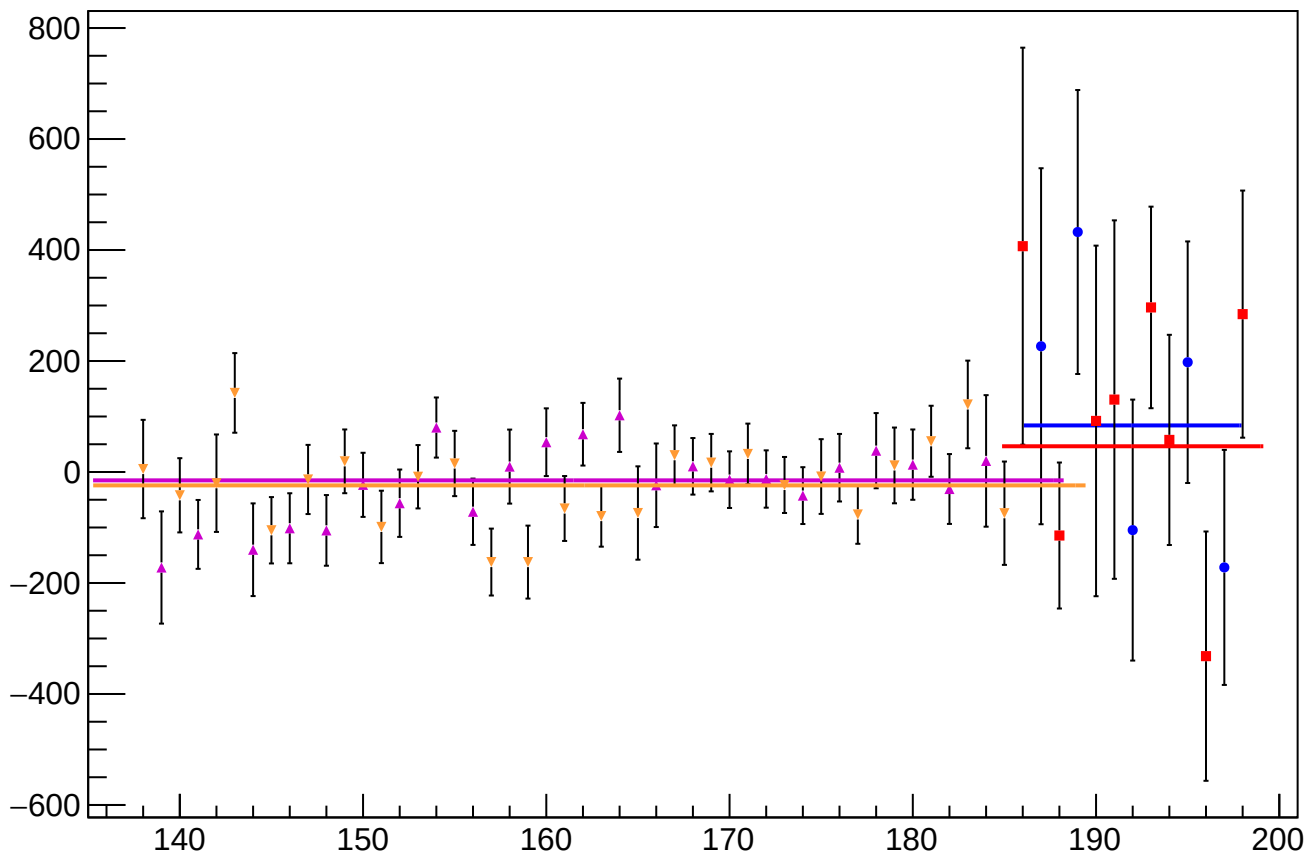
Right: 4047.845+/-1.050 χ^2/NDF : 445957.9/12

In: 1605.974+/-0.260 χ^2/NDF : 2307566.3/27

Out: 1633.538+/-0.251 χ^2/NDF : 4358796.3/32

All: 1620.217+/-0.181 χ^2/NDF : 6672173.1/60

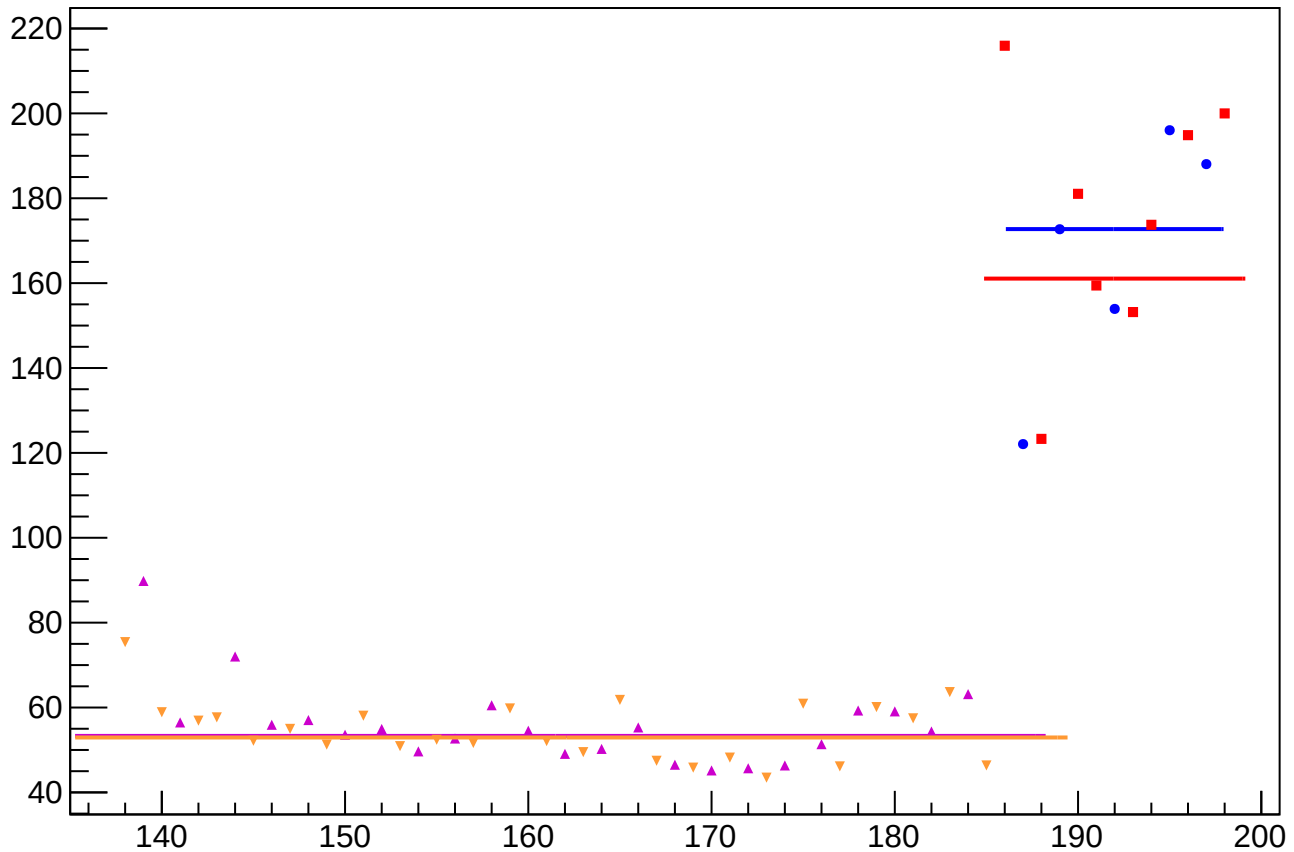
dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 83.904 $\pm$ 107.523 χ^2 /NDF: 4.4/4
 Left Out: -24.126 $\pm$ 12.525 χ^2 /NDF:30.7/24
 Right Out: 46.353 $\pm$ 73.835 χ^2 /NDF: 8.5/7
 Left In: -15.058 $\pm$ 12.921 χ^2 /NDF:23.8/22

Left: -19.733 $\pm$ 8.993 χ^2 /NDF: 54.8/47
 Right: 58.386 $\pm$ 60.866 χ^2 /NDF: 13.0/12
 In: -13.649 $\pm$ 12.829 χ^2 /NDF:29.1/27
 Out: -22.155 $\pm$ 12.348 χ^2 /NDF:40.0/32
 All: -18.064 $\pm$ 8.897 χ^2 /NDF: 69.4/60

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 172.734+/-0.076 χ^2/NDF : 96058.8/4

Left Out: 52.942+/-0.009 χ^2/NDF : 513146.0/24

Right Out: 161.069+/-0.052 χ^2/NDF : 339121.5/7

Left In: 53.312+/-0.009 χ^2/NDF : 644220.1/22

Left: 53.121+/-0.006 χ^2/NDF : 1158211.4/47

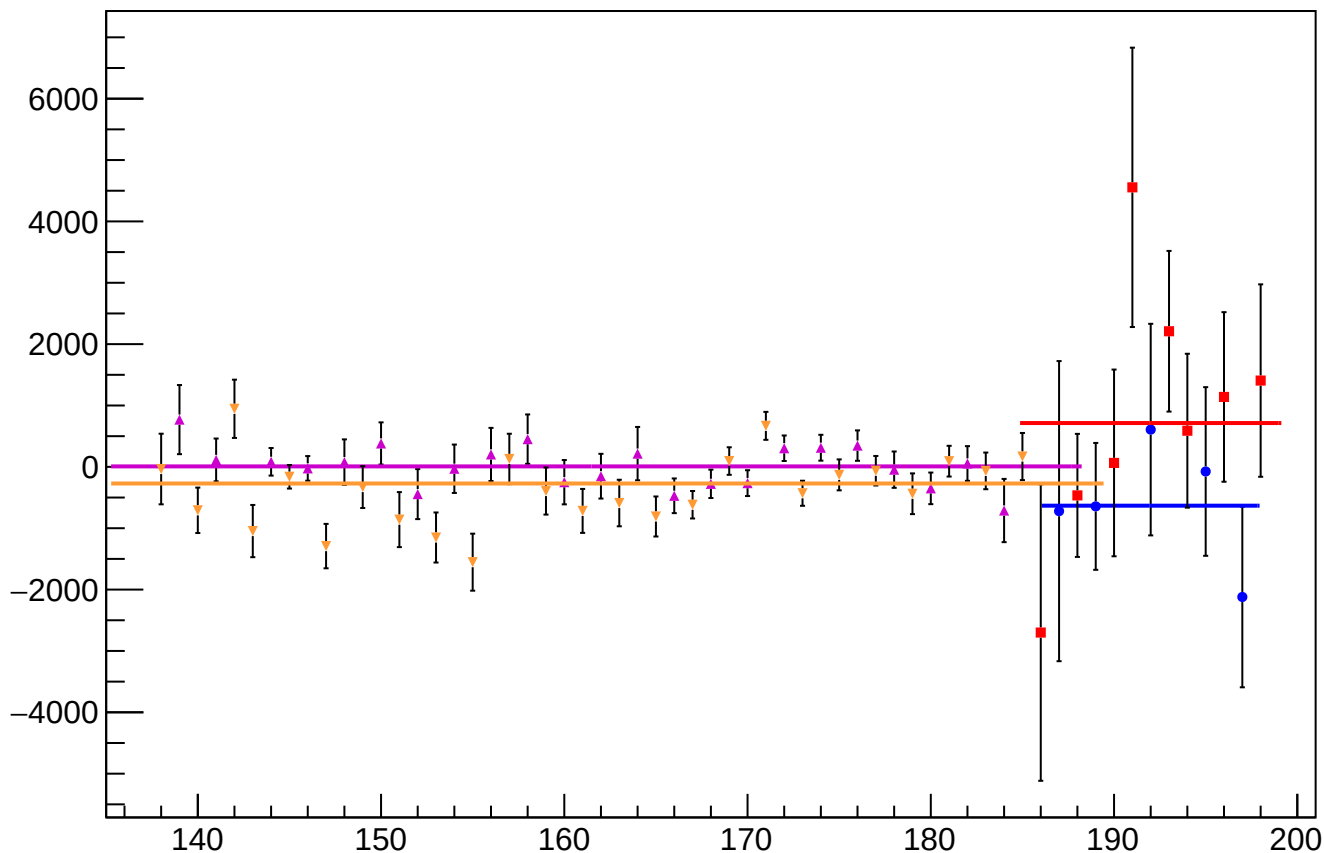
Right: 164.807+/-0.043 χ^2/NDF : 451176.5/12

In: 55.012+/-0.009 χ^2/NDF : 3172300.7/27

Out: 55.966+/-0.009 χ^2/NDF : 5021446.1/32

All: 55.507+/-0.006 χ^2/NDF : 8199491.6/60

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -632.687 ± 641.484 $\chi^2/\text{NDF}: 1.7/4$

Left Out: -271.240 ± 60.285 $\chi^2/\text{NDF}: 67.7/24$

Right Out: 714.091 ± 503.748 $\chi^2/\text{NDF}: 8.0/7$

Left In: 7.535 ± 60.328 $\chi^2/\text{NDF}: 22.9/22$

Left: -131.952 ± 42.643 $\chi^2/\text{NDF}: 101.2/47$

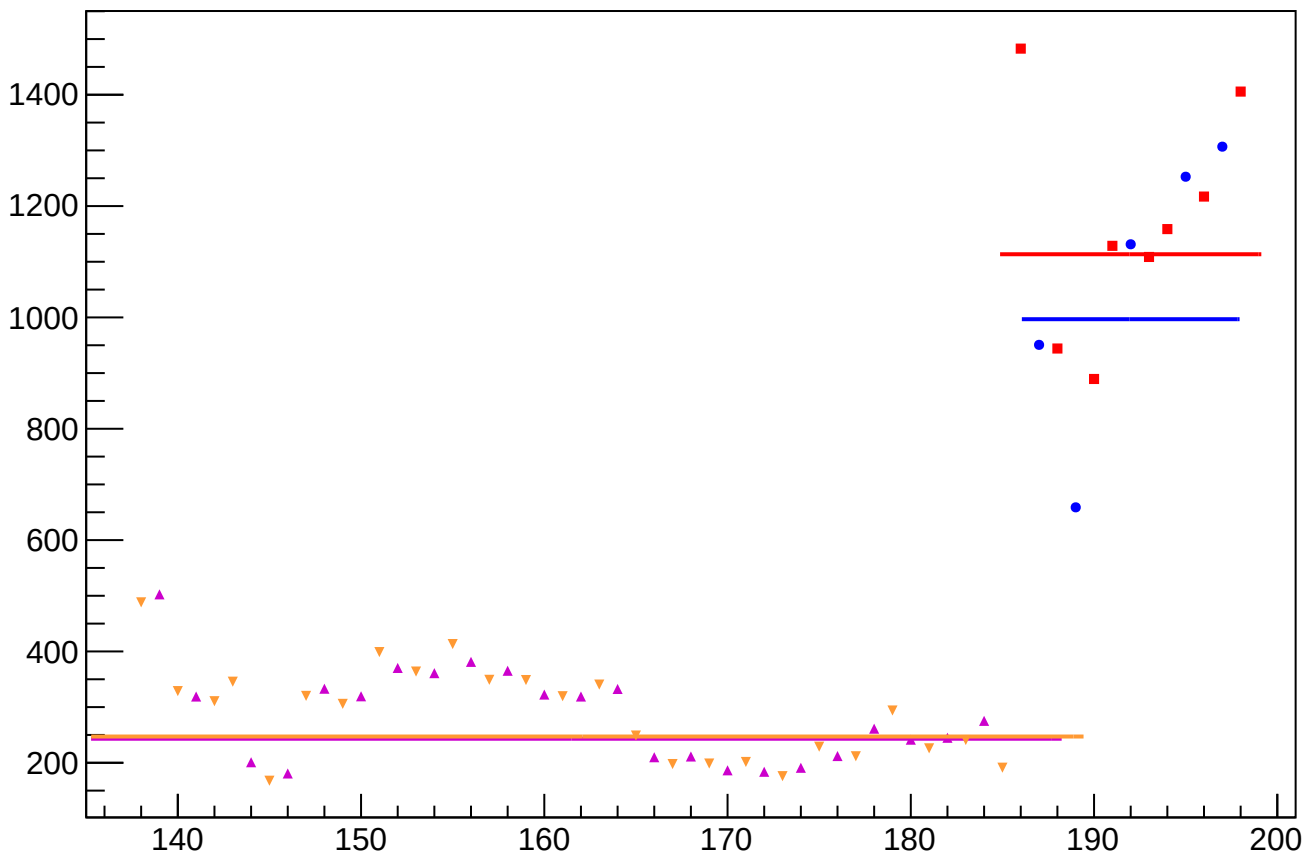
Right: 200.368 ± 396.189 $\chi^2/\text{NDF}: 12.4/12$

In: 1.922 ± 60.063 $\chi^2/\text{NDF}: 25.5/27$

Out: -257.328 ± 59.858 $\chi^2/\text{NDF}: 79.5/32$

All: -128.147 ± 42.398 $\chi^2/\text{NDF}: 114.3/60$

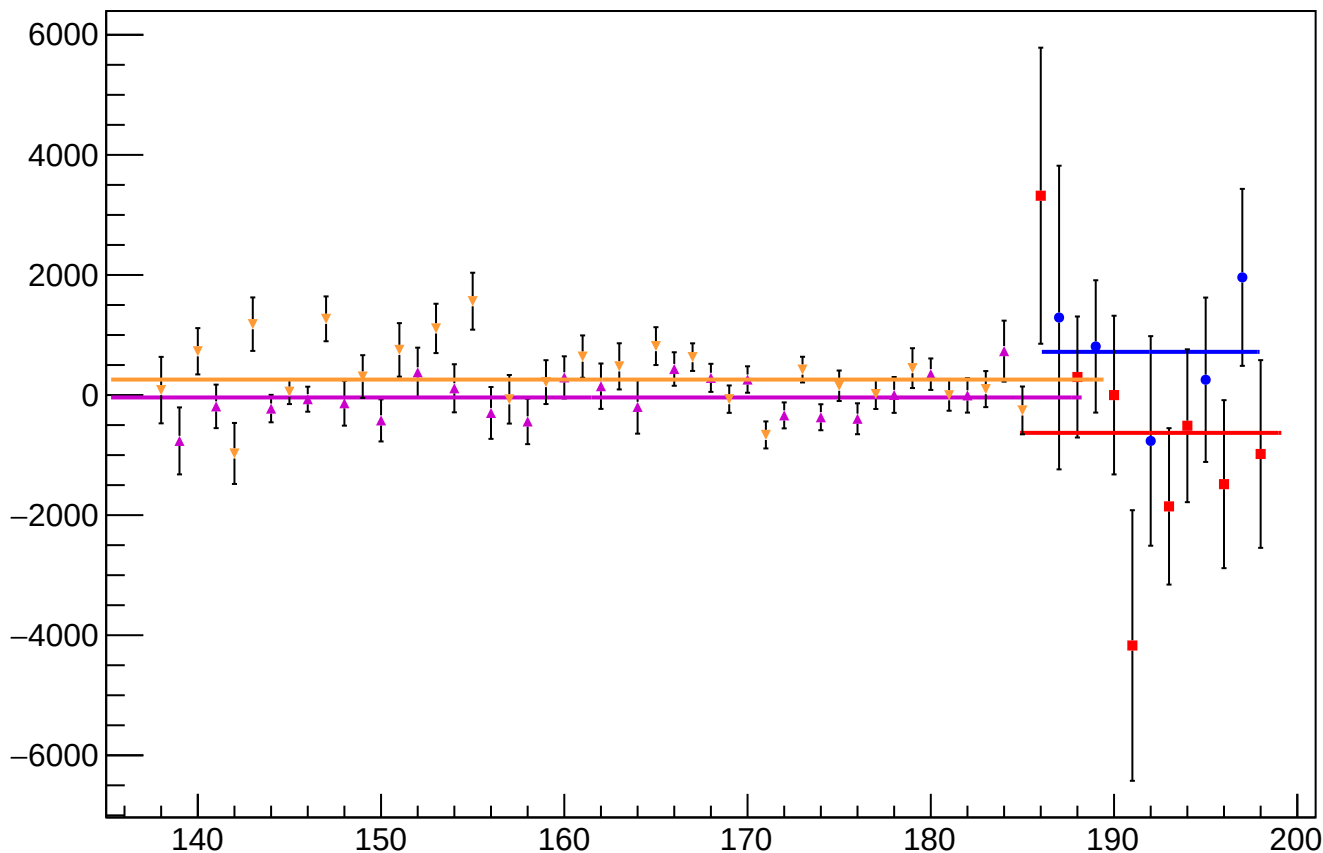
asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 996.798+/-0.454 χ^2/NDF : 384610.0/4
 Left Out: 247.166+/-0.043 χ^2/NDF : 2853302.0/24
 Right Out: 1113.482+/-0.356 χ^2/NDF : 230571.2/7
 Left In: 243.189+/-0.043 χ^2/NDF : 2571190.8/22

Left: 245.179+/-0.030 χ^2/NDF : 5428841.5/47
 Right: 1068.974+/-0.280 χ^2/NDF : 656113.0/12
 In: 249.795+/-0.042 χ^2/NDF : 5691871.5/27
 Out: 259.397+/-0.042 χ^2/NDF : 8915386.5/32
 All: 254.613+/-0.030 χ^2/NDF : 14632902.4/60

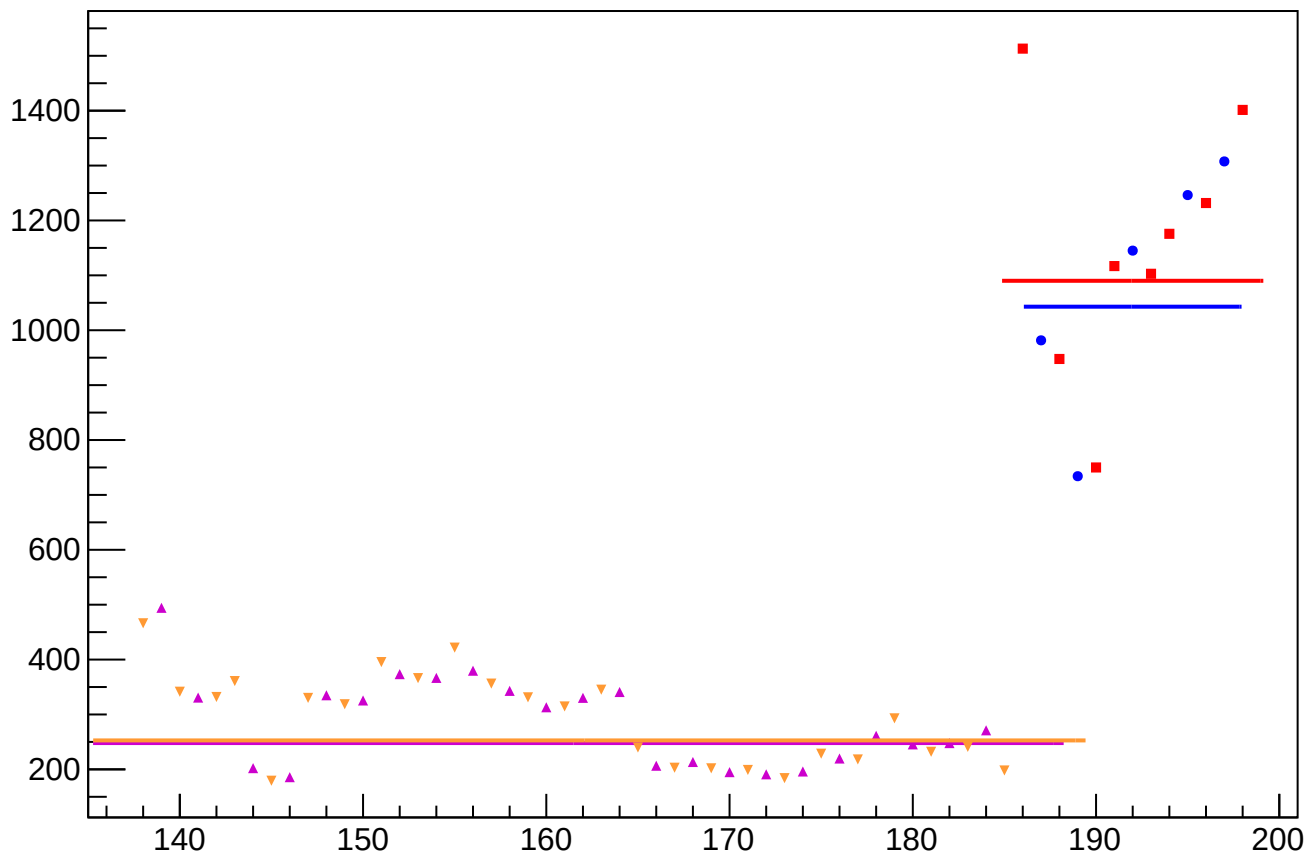
asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 719.479+/-659.070 χ^2/NDF : 1.6/4
 Left Out: 258.044+/-61.488 χ^2/NDF :65.0/24
 Right Out: -629.701+/-497.173 χ^2/NDF : 7.4/7
 Left In: -40.015+/-61.495 χ^2/NDF :25.0/22

Left: 109.033+/-43.481 χ^2/NDF : 101.8/47
 Right: -140.391+/-396.907 χ^2/NDF : 11.7/12
 In: -33.460+/-61.229 χ^2/NDF :28.0/27
 Out: 244.670+/-61.023 χ^2/NDF :75.6/32
 All: 106.075+/-43.222 χ^2/NDF : 113.9/60

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 1042.916+/-0.466 χ^2/NDF : 273708.1/4

Left Out: 252.721+/-0.043 χ^2/NDF :2648800.3/24

Right Out: 1090.087+/-0.352 χ^2/NDF : 340635.4/7

Left In: 247.919+/-0.043 χ^2/NDF :2374698.8/22

Left: 250.320+/-0.031 χ^2/NDF : 5029597.8/47

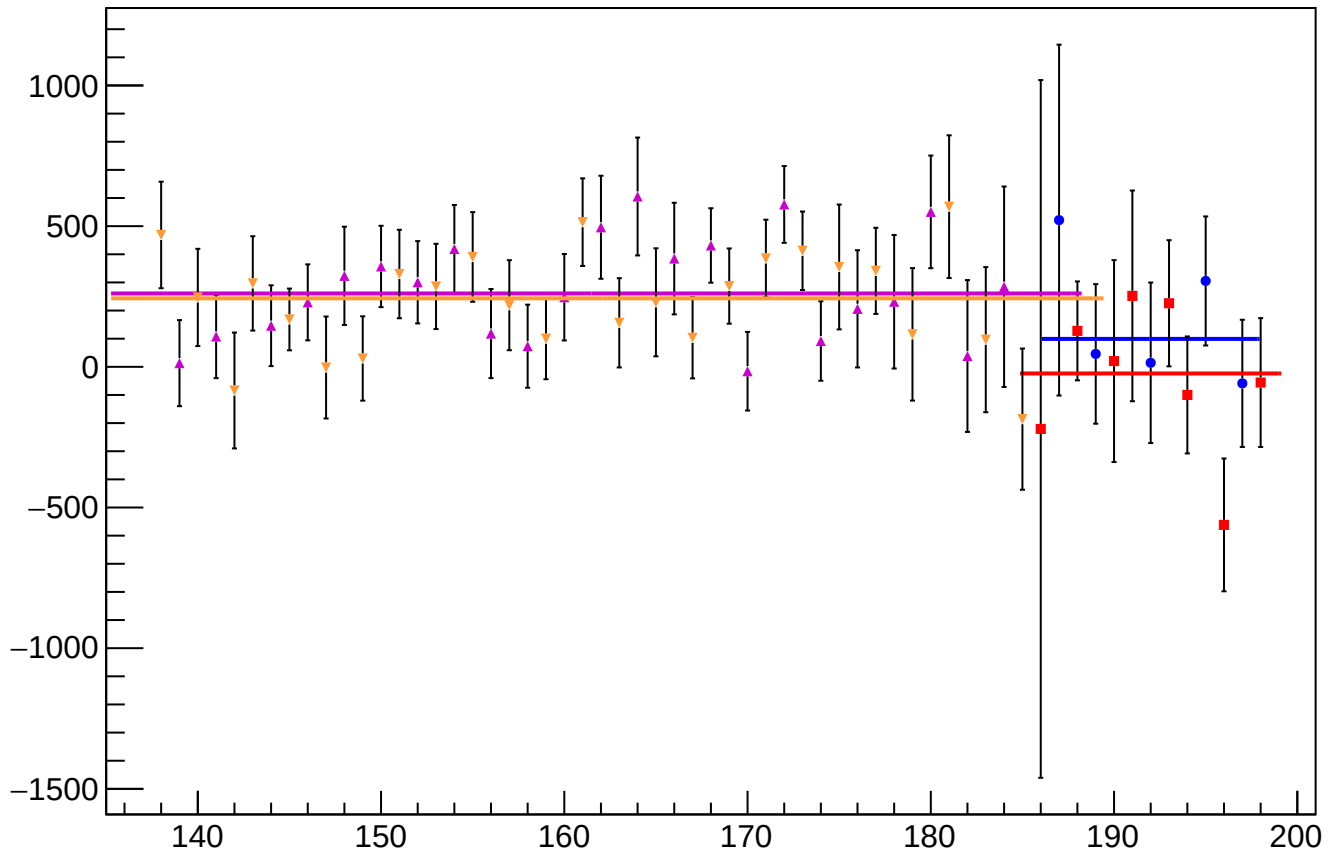
Right: 1072.979+/-0.281 χ^2/NDF : 620872.9/12

In: 254.780+/-0.043 χ^2/NDF :5533326.4/27

Out: 265.336+/-0.043 χ^2/NDF :8577391.4/32

All: 260.076+/-0.031 χ^2/NDF : 14140537.6/60

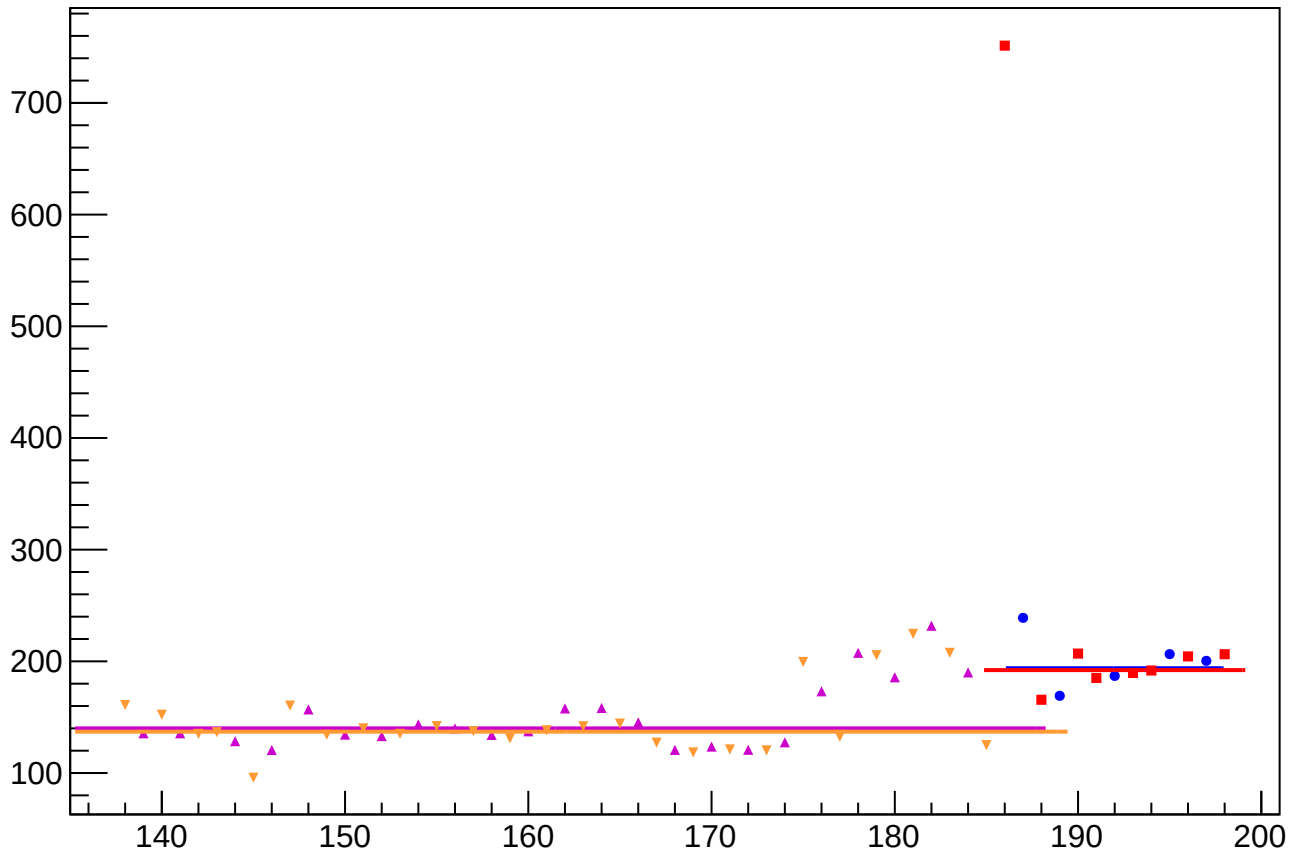
dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 99.261 ± 119.768 $\chi^2/\text{NDF}: 1.9/4$
 Left Out: 243.442 ± 32.738 $\chi^2/\text{NDF}: 23.4/24$
 Right Out: -23.623 ± 88.399 $\chi^2/\text{NDF}: 7.9/7$
 Left In: 260.749 ± 33.988 $\chi^2/\text{NDF}: 28.5/22$

Left: 251.772 ± 23.579 $\chi^2/\text{NDF}: 52.0/47$
 Right: 19.713 ± 71.124 $\chi^2/\text{NDF}: 10.5/12$
 In: 248.714 ± 32.697 $\chi^2/\text{NDF}: 32.0/27$
 Out: 211.231 ± 30.701 $\chi^2/\text{NDF}: 39.4/32$
 All: 228.793 ± 22.381 $\chi^2/\text{NDF}: 72.1/60$

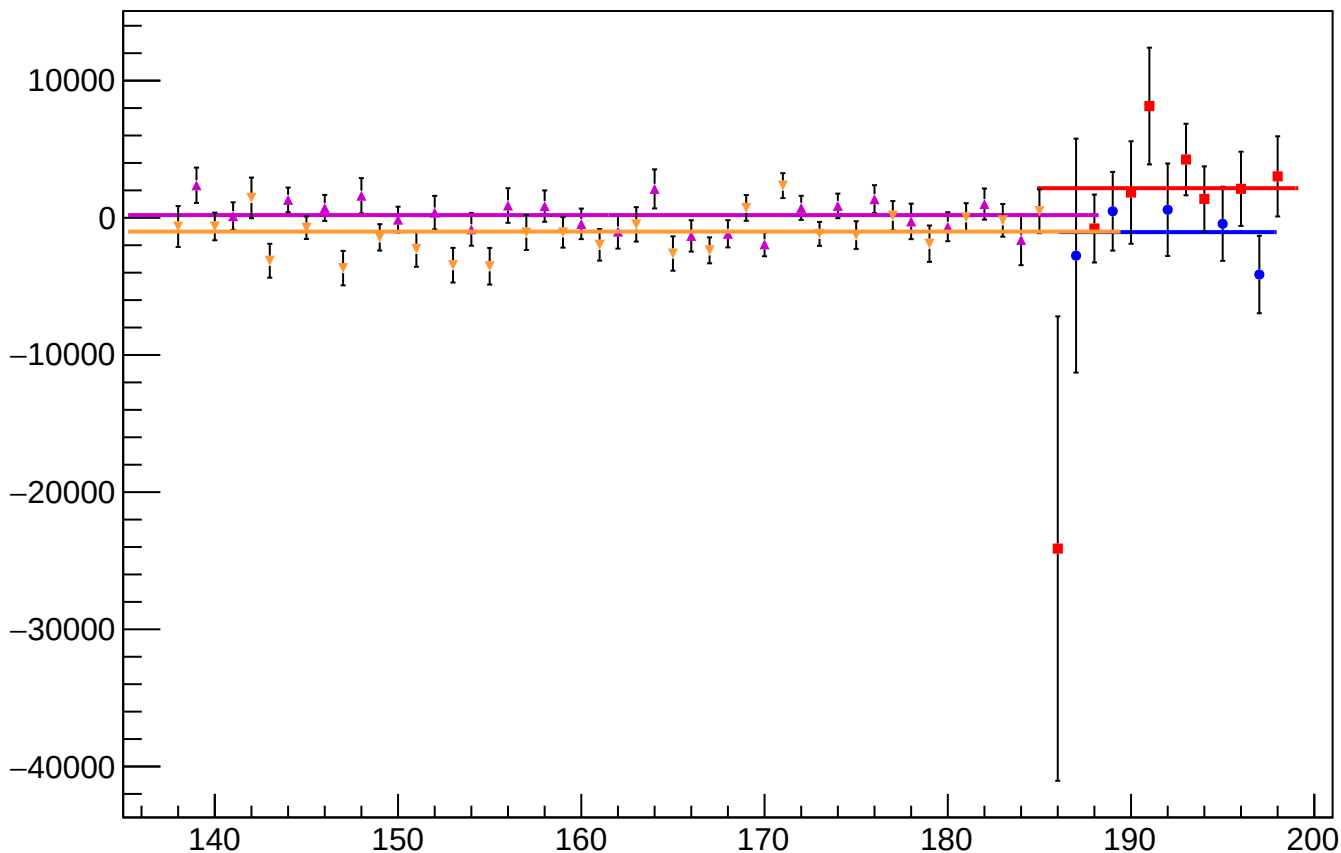
dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 193.830 $\pm$ 0.085 χ^2/NDF : 39221.8/4
 Left Out: 137.036 $\pm$ 0.023 χ^2/NDF :1200381.2/24
 Right Out: 192.160 $\pm$ 0.063 χ^2/NDF : 469736.6/7
 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: 192.749 $\pm$ 0.050 χ^2/NDF : 509210.3/12
 In: 143.980 $\pm$ 0.023 χ^2/NDF :1251732.9/27
 Out: 143.684 $\pm$ 0.022 χ^2/NDF :2354022.3/32
 All: 143.823 $\pm$ 0.016 χ^2/NDF : 3605842.3/60

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Left: -412.541 ± 158.512 $\chi^2/\text{NDF}: 83.7/47$

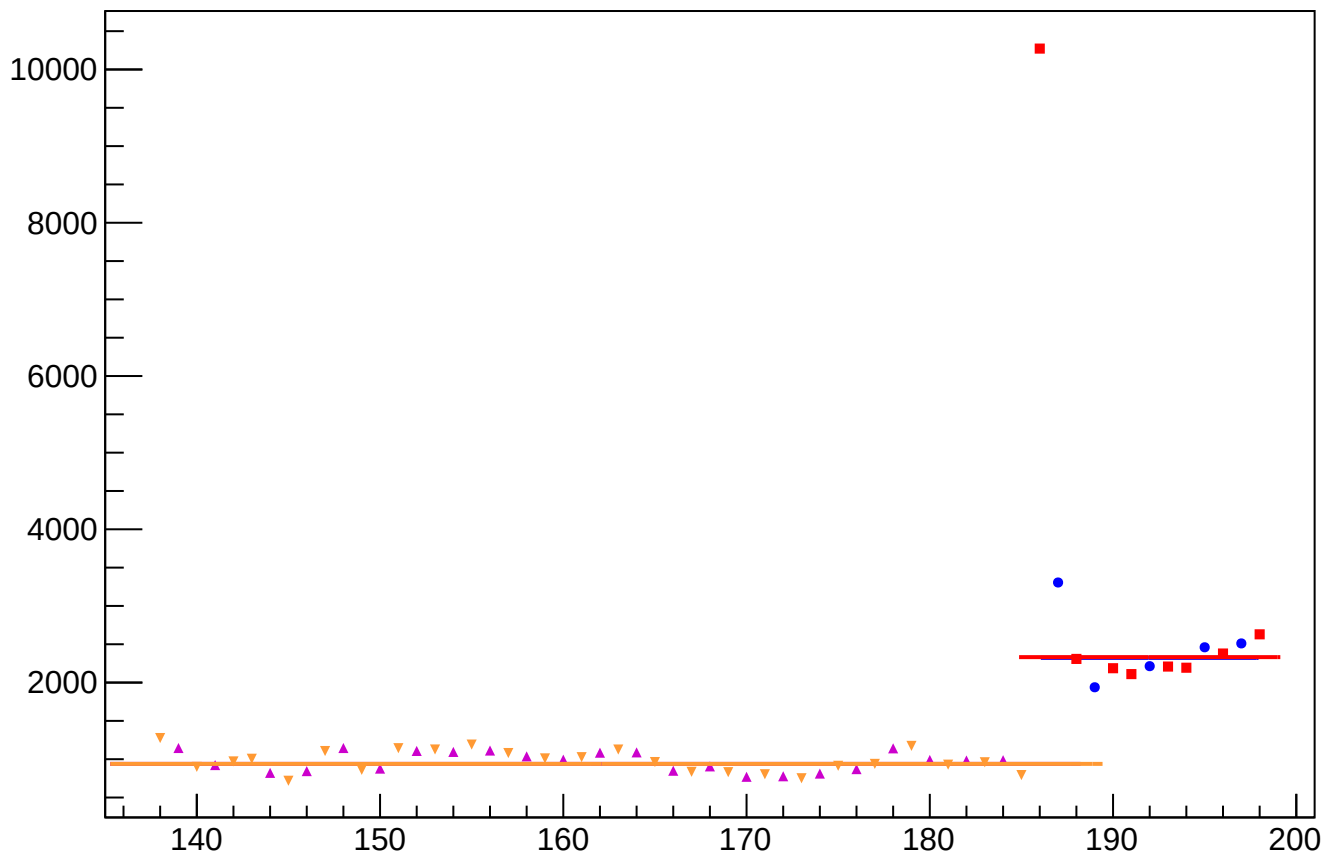
Right: 1014.193 ± 858.380 $\chi^2/\text{NDF}: 11.6/12$

In: 168.619 ± 223.248 $\chi^2/\text{NDF}: 27.2/27$

Out: -873.584 ± 217.742 $\chi^2/\text{NDF}: 59.7/32$

All: -365.492 ± 155.877 $\chi^2/\text{NDF}: 98.0/60$

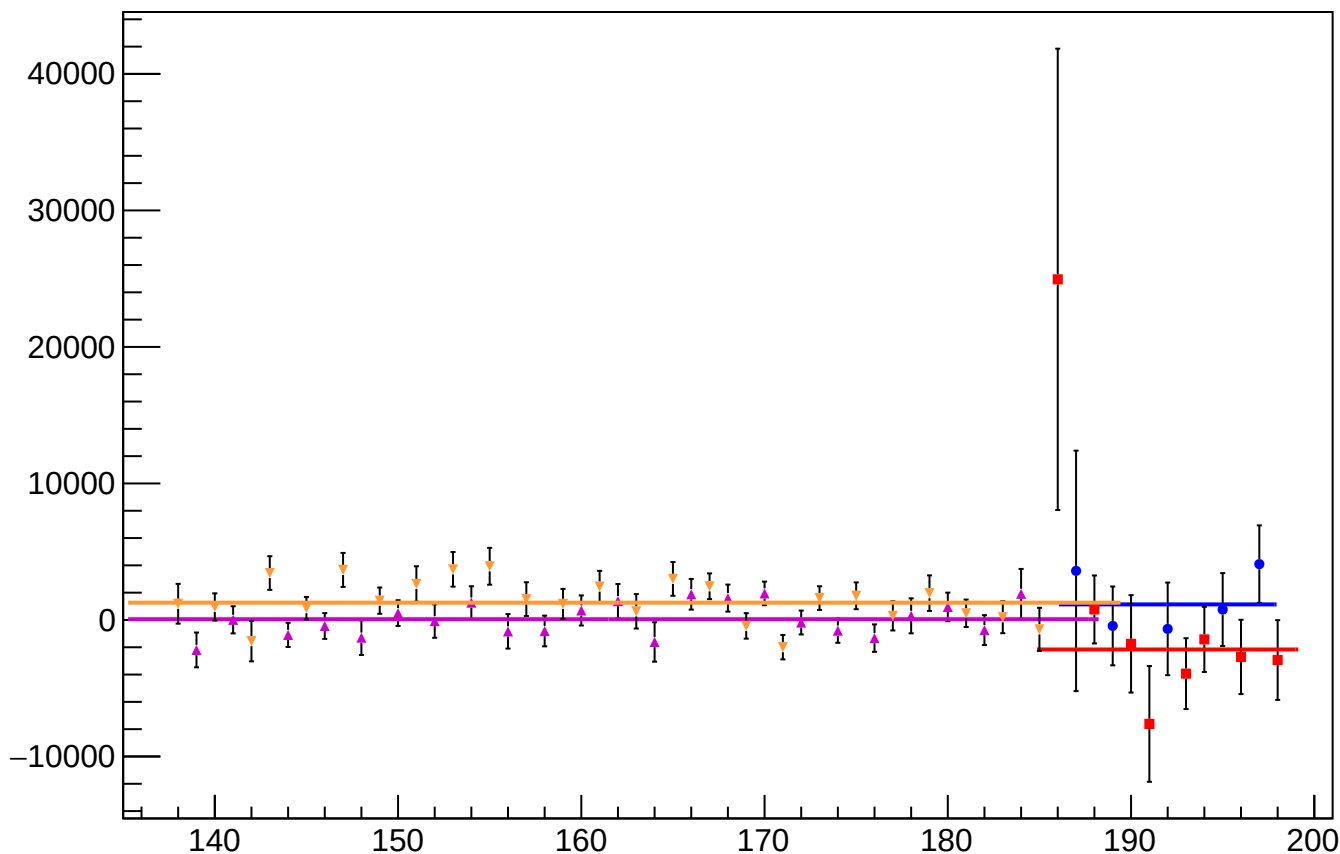
asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 2322.259+/-1.015 χ^2/NDF : 78548.1/4
 Left Out: 938.988+/-0.157 χ^2/NDF : 828400.0/24
 Right Out: 2331.914+/-0.757 χ^2/NDF : 481265.1/7
 Left In: 938.755+/-0.160 χ^2/NDF : 611419.0/22

Left: 938.874+/-0.112 χ^2/NDF : 1439820.2/47
 Right: 2328.462+/-0.607 χ^2/NDF : 559871.3/12
 In: 972.217+/-0.158 χ^2/NDF : 2502783.3/27
 Out: 996.570+/-0.154 χ^2/NDF : 4553220.0/32
 All: 984.697+/-0.110 χ^2/NDF : 7068199.9/60

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 1139.455+/-1438.120 χ^2/NDF : 1.8/4

Left Out: 1264.940+/-220.626 χ^2/NDF : 45.5/24

Right Out: -2162.619+/-1068.868 χ^2/NDF : 6.3/7

Left In: 53.940+/-224.371 χ^2/NDF : 26.4/22

Left: 669.631+/-157.313 χ^2/NDF : 86.8/47

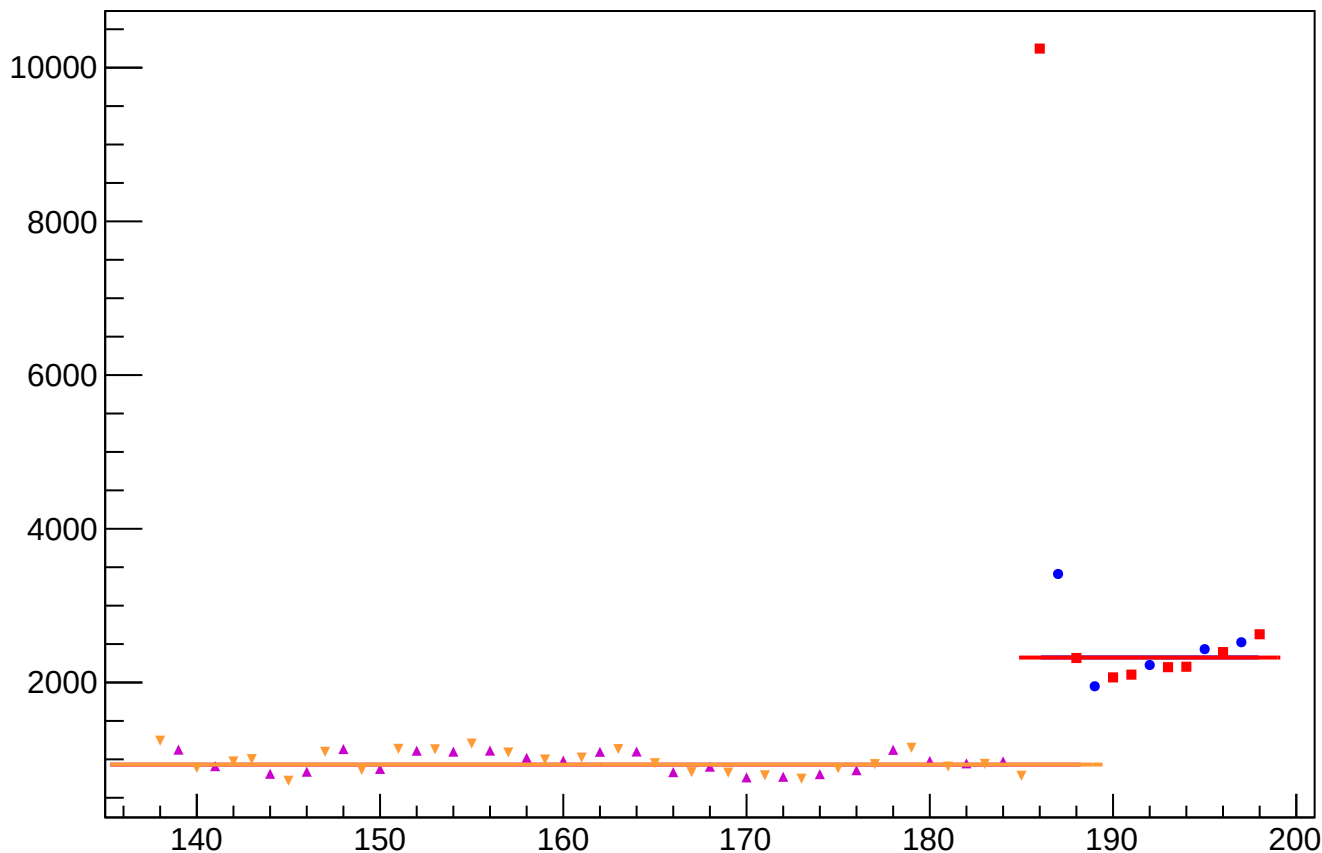
Right: -987.615+/-857.870 χ^2/NDF : 11.5/12

In: 79.734+/-221.689 χ^2/NDF : 28.7/27

Out: 1124.875+/-216.071 χ^2/NDF : 61.7/32

All: 615.715+/-154.733 χ^2/NDF : 101.8/60

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 2326.189 $\pm$ 1.017 χ^2/NDF : 78804.1/4

Left Out: 932.170 $\pm$ 0.156 χ^2/NDF : 828733.8/24

Right Out: 2324.321 $\pm$ 0.756 χ^2/NDF : 488348.6/7

Left In: 930.854 $\pm$ 0.159 χ^2/NDF : 621985.5/22

Left: 931.523 $\pm$ 0.111 χ^2/NDF : 1450754.2/47

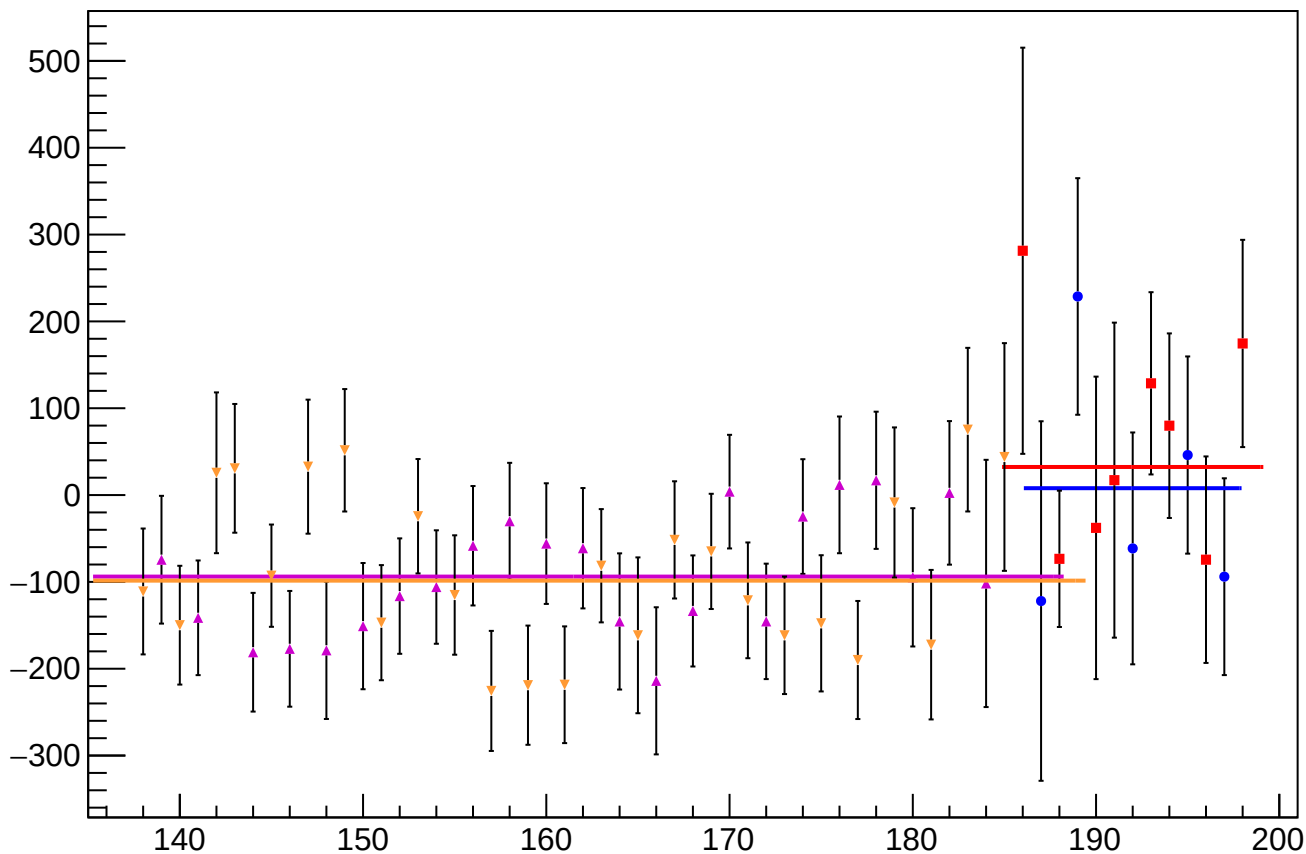
Right: 2324.986 $\pm$ 0.607 χ^2/NDF : 567155.0/12

In: 964.011 $\pm$ 0.157 χ^2/NDF : 2538817.6/27

Out: 989.059 $\pm$ 0.153 χ^2/NDF : 4571207.8/32

All: 976.857 $\pm$ 0.109 χ^2/NDF : 7123119.4/60

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 7.910 ± 58.851 $\chi^2/\text{NDF}: 4.2/4$

Left Out: -98.557 ± 14.525 $\chi^2/\text{NDF}: 35.2/24$

Right Out: 32.344 ± 42.101 $\chi^2/\text{NDF}: 6.4/7$

Left In: -93.899 ± 15.039 $\chi^2/\text{NDF}: 19.3/22$

Left: -96.309 ± 10.448 $\chi^2/\text{NDF}: 54.6/47$

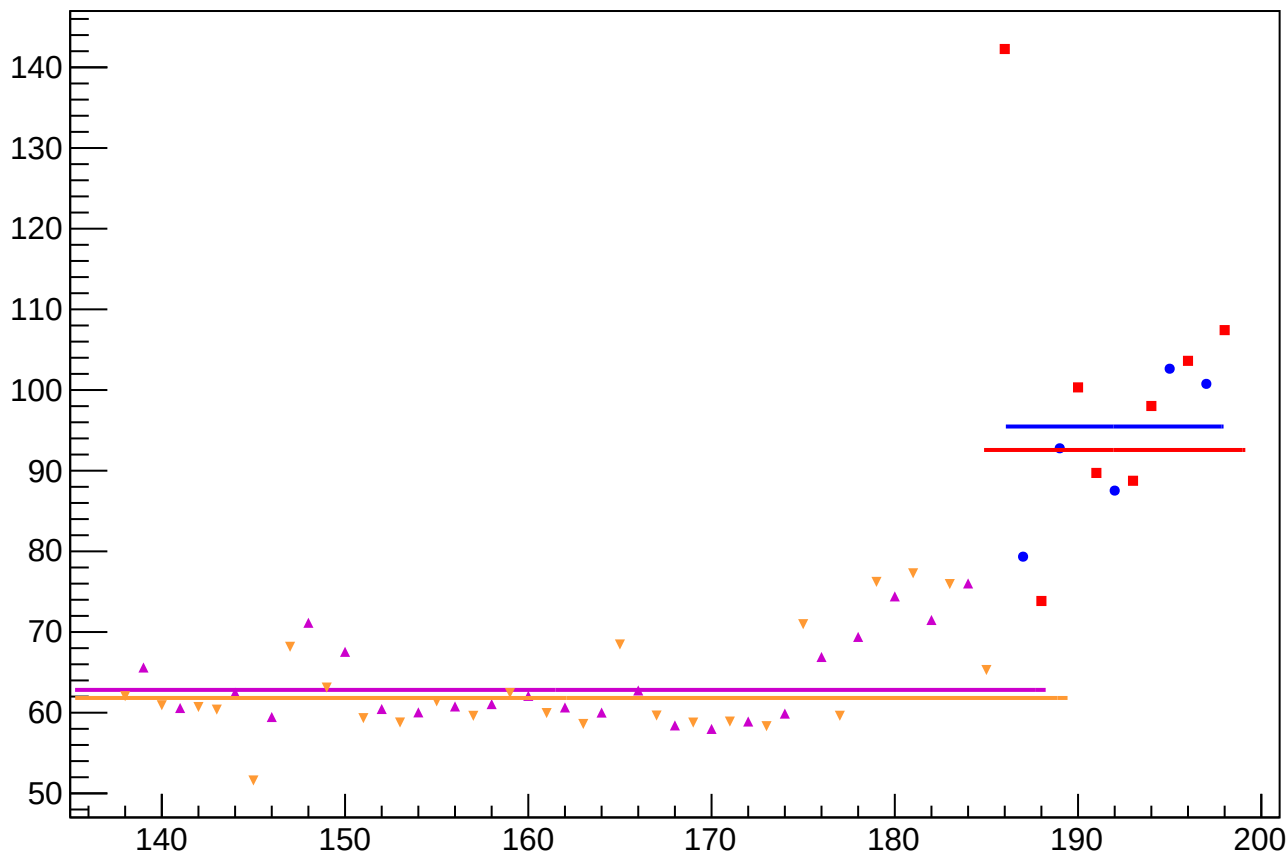
Right: 24.072 ± 34.241 $\chi^2/\text{NDF}: 10.7/12$

In: -87.658 ± 14.571 $\chi^2/\text{NDF}: 26.3/27$

Out: -84.634 ± 13.731 $\chi^2/\text{NDF}: 50.3/32$

All: -86.056 ± 9.993 $\chi^2/\text{NDF}: 76.6/60$

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 95.476 $\pm$ 0.042 χ^2/NDF : 32329.6/4

Left Out: 61.827 $\pm$ 0.010 χ^2/NDF : 313572.8/24

Right Out: 92.568 $\pm$ 0.030 χ^2/NDF : 264708.5/7

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

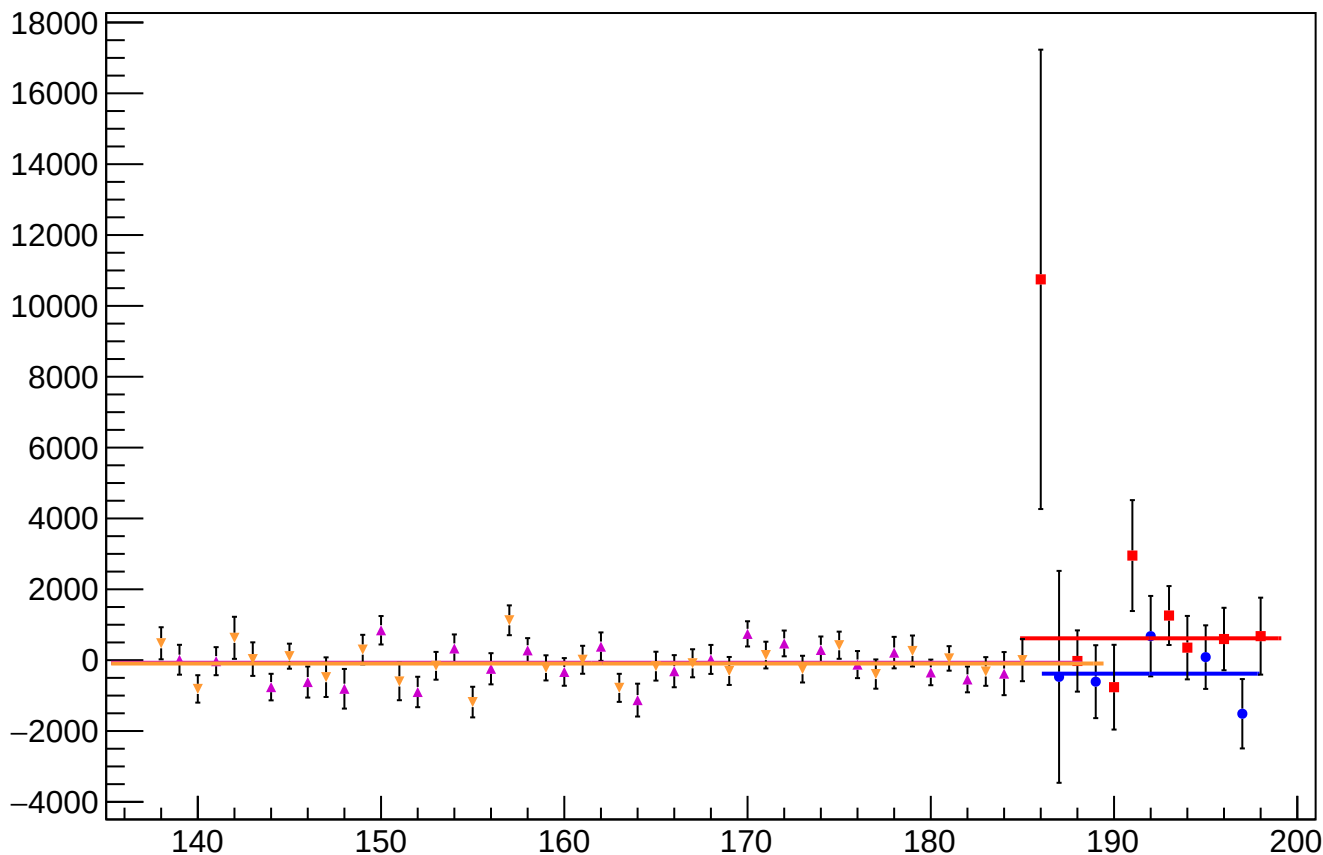
Right: 93.553 $\pm$ 0.024 χ^2/NDF : 300267.2/12

In: 64.829 $\pm$ 0.010 χ^2/NDF : 797152.2/27

Out: 65.097 $\pm$ 0.010 χ^2/NDF : 1531193.9/32

All: 64.971 $\pm$ 0.007 χ^2/NDF : 2328705.0/60

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -381.403+/-492.821 χ^2/NDF : 2.5/4

Left Out: -94.907+/-82.850 χ^2/NDF :31.6/24

Right Out: 616.649+/-370.237 χ^2/NDF : 7.2/7

Left In: -73.914+/-84.652 χ^2/NDF :36.4/22

Left: -84.636+/-59.211 χ^2/NDF : 68.0/47

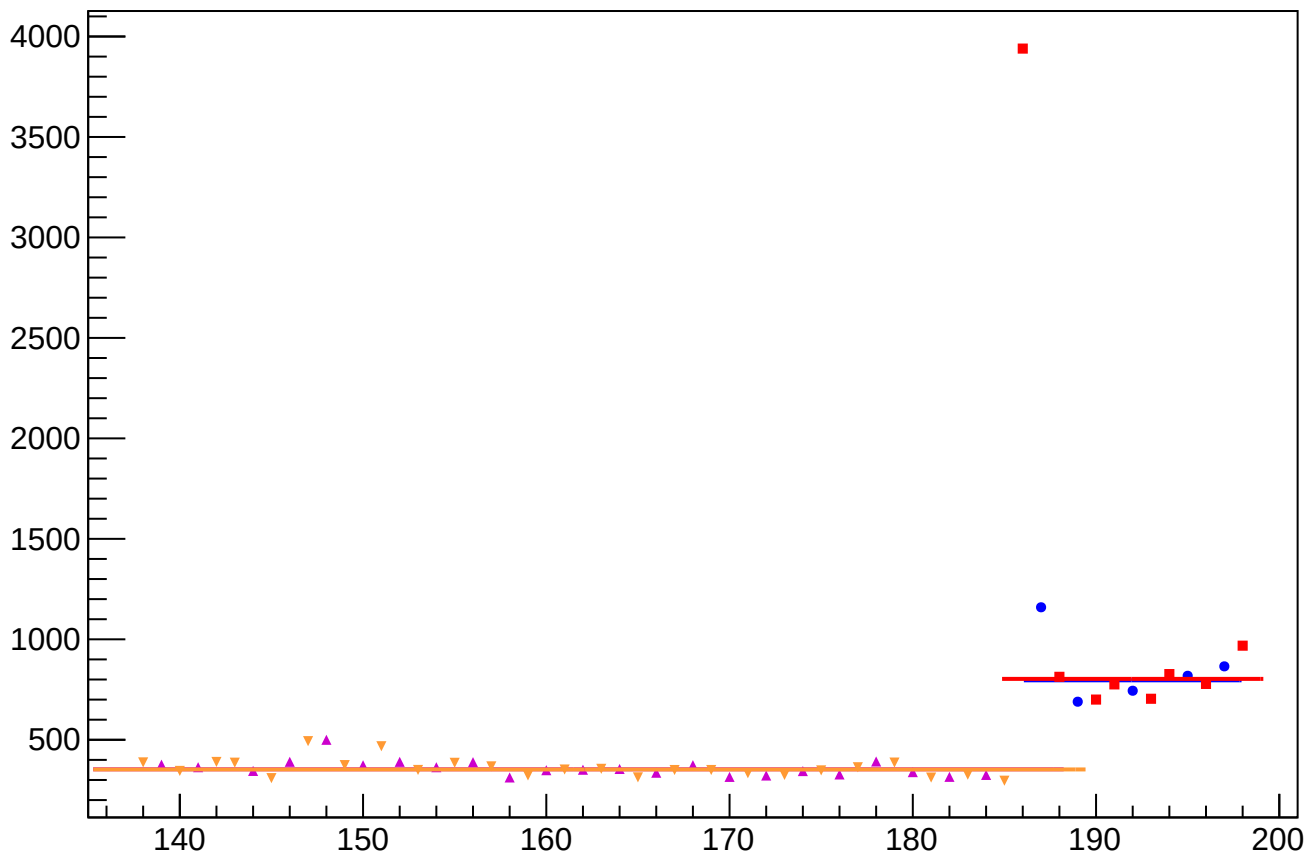
Right: 256.578+/-296.010 χ^2/NDF : 12.4/12

In: -82.727+/-83.430 χ^2/NDF :39.3/27

Out: -60.975+/-80.850 χ^2/NDF :42.3/32

All: -71.509+/-58.060 χ^2/NDF : 81.6/60

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 796.032 $\pm$ 0.348 χ^2 /NDF: 66454.8/4

Left Out: 352.403 $\pm$ 0.059 χ^2 /NDF: 418506.2/24

Right Out: 803.074 $\pm$ 0.262 χ^2 /NDF: 561504.3/7

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

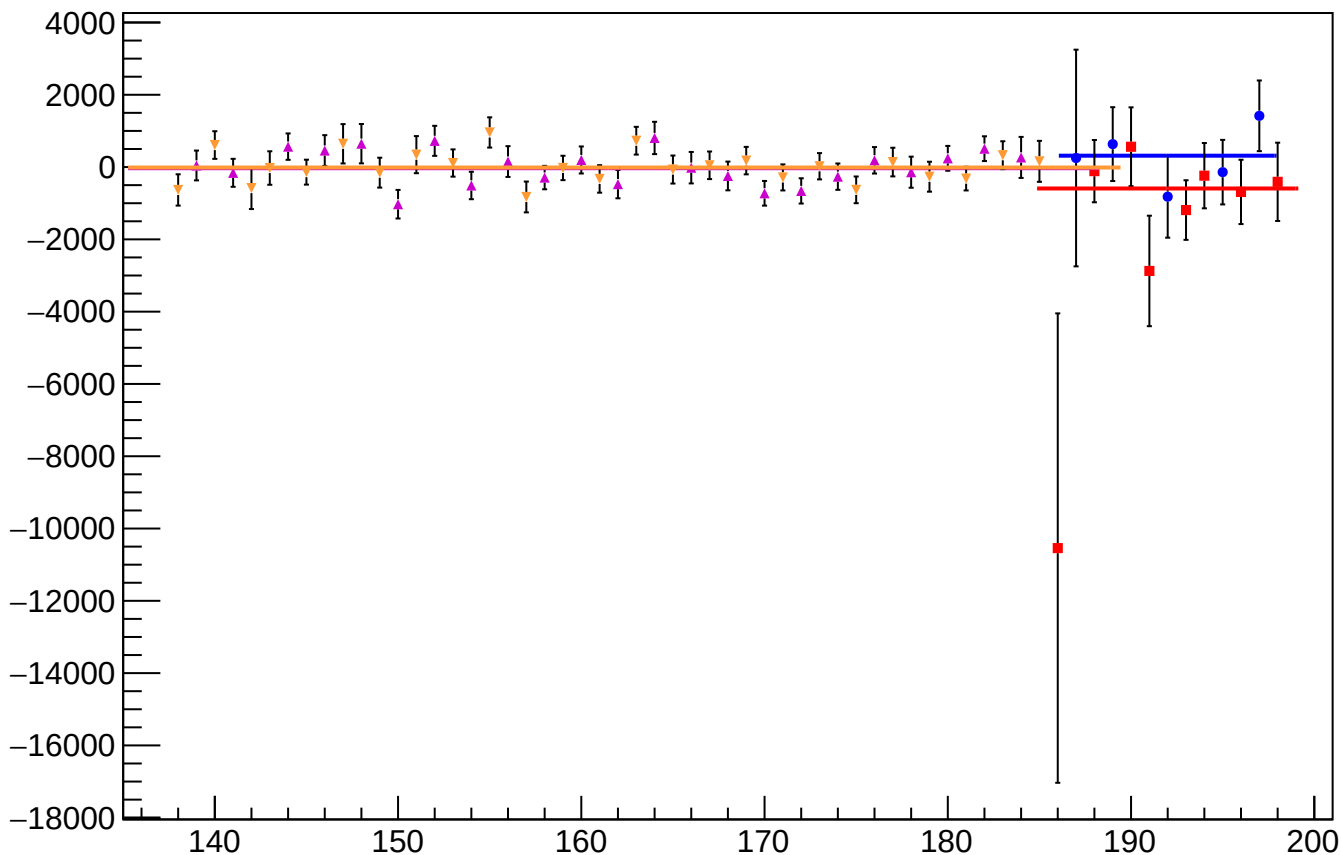
Right: 800.534 $\pm$ 0.209 χ^2 /NDF: 628220.2/12

In: 365.888 $\pm$ 0.059 χ^2 /NDF: 1956800.6/27

Out: 373.894 $\pm$ 0.057 χ^2 /NDF: 3802105.1/32

All: 370.017 $\pm$ 0.041 χ^2 /NDF: 5768401.8/60

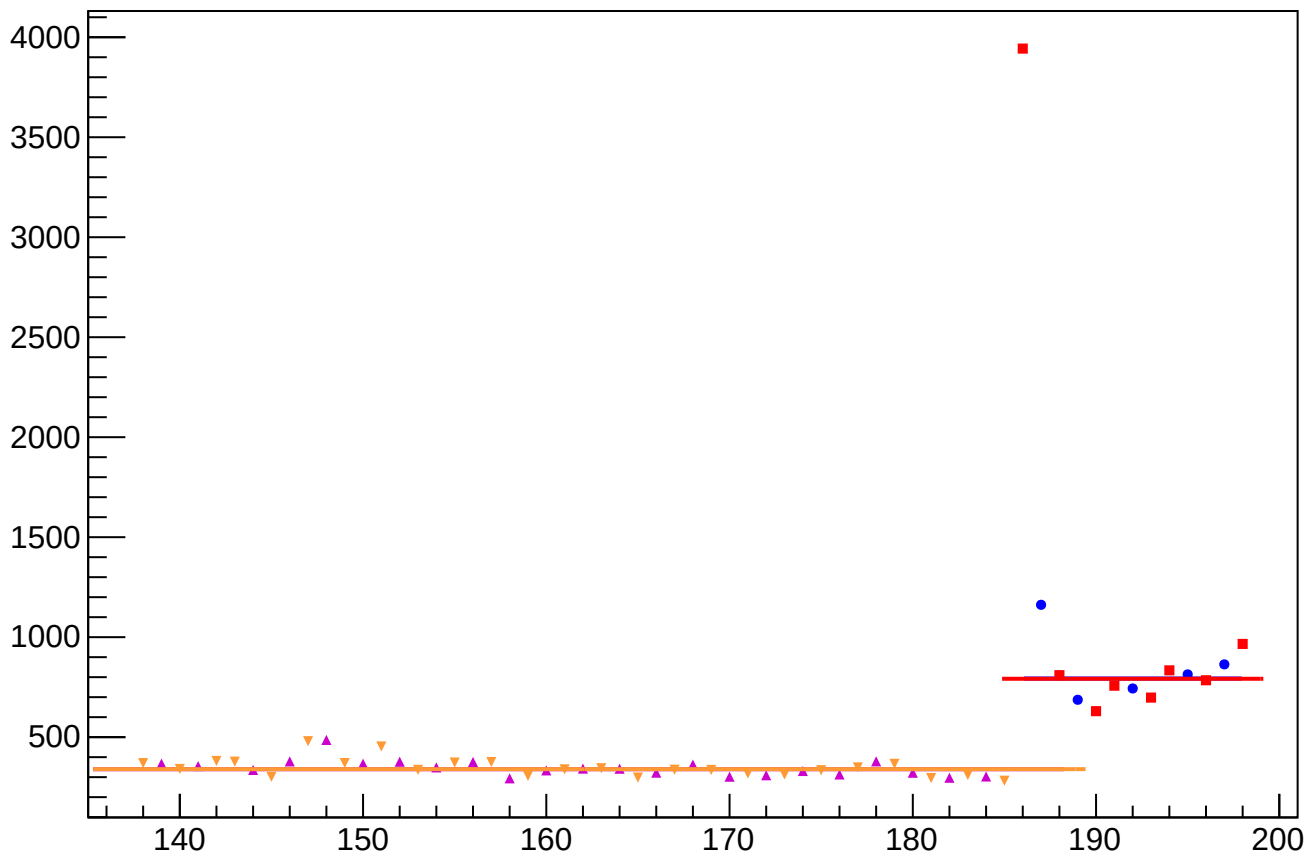
asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 314.717 $\pm$ 491.026 χ^2 /NDF: 2.6/4
 Left Out: -12.545 $\pm$ 79.984 χ^2 /NDF:27.3/24
 Right Out: -592.644 $\pm$ 366.216 χ^2 /NDF: 6.7/7
 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: -268.328 $\pm$ 293.561 χ^2 /NDF: 11.6/12
 In: -22.253 $\pm$ 80.377 χ^2 /NDF:37.9/27
 Out: -38.957 $\pm$ 78.142 χ^2 /NDF:36.5/32
 All: -30.840 $\pm$ 56.028 χ^2 /NDF: 74.4/60

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 793.270+/-0.347 χ^2/NDF : 67302.8/4

Left Out: 340.018+/-0.057 χ^2/NDF : 465345.1/24

Right Out: 791.995+/-0.259 χ^2/NDF : 599500.2/7

Left In: 339.571+/-0.058 χ^2/NDF : 377816.0/22

Left: 339.799+/-0.040 χ^2/NDF : 843191.8/47

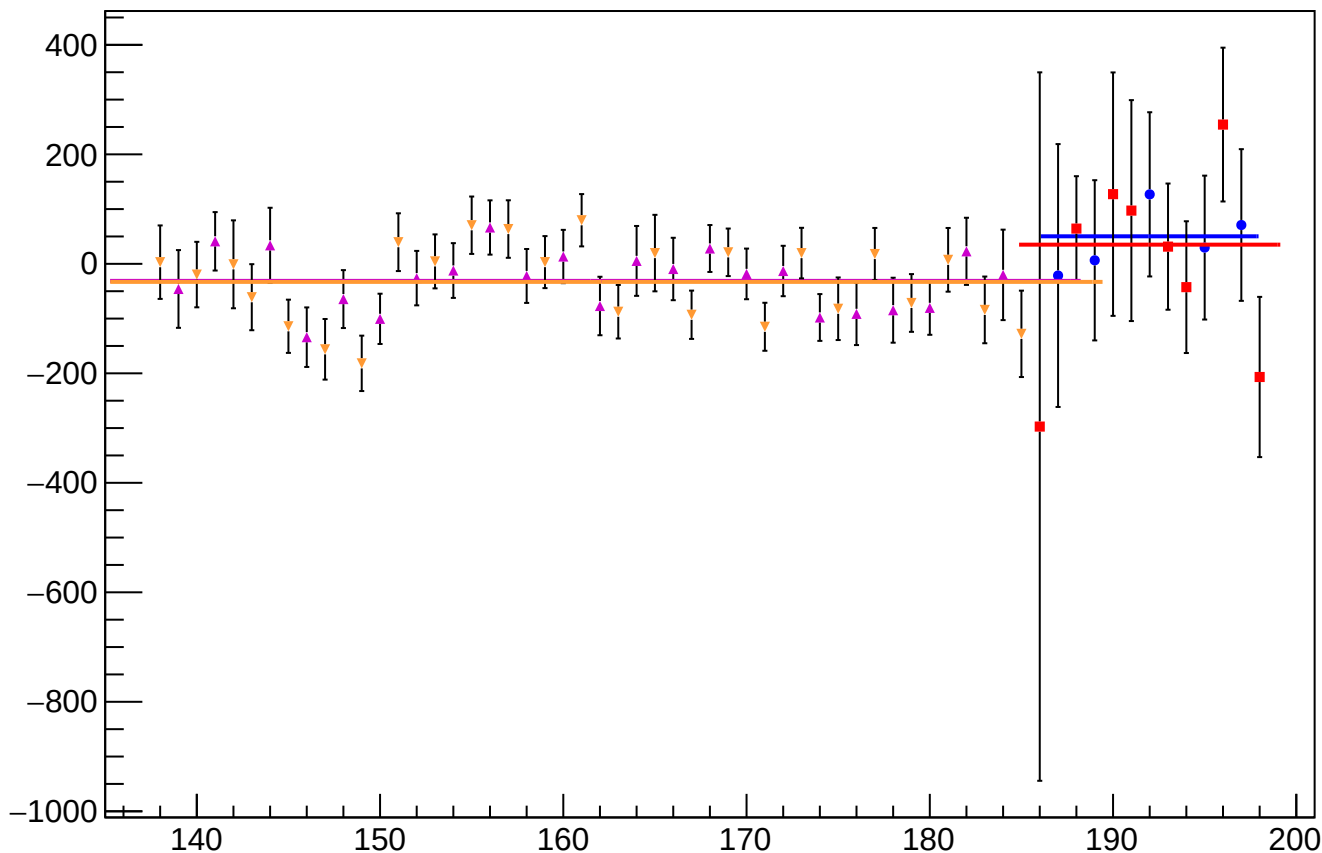
Right: 792.451+/-0.208 χ^2/NDF : 666811.6/12

In: 351.728+/-0.057 χ^2/NDF : 2106853.0/27

Out: 360.597+/-0.055 χ^2/NDF : 3972542.5/32

All: 356.287+/-0.040 χ^2/NDF : 6091913.9/60

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 50.291 $\pm$ 67.651 χ^2 /NDF: 0.5/4

Left Out: -32.964 $\pm$ 10.578 χ^2 /NDF:48.0/24

Right Out: 35.040 $\pm$ 50.125 χ^2 /NDF: 6.2/7

Left In: -31.144 $\pm$ 10.958 χ^2 /NDF:23.4/22

Left: -32.086 $\pm$ 7.610 χ^2 /NDF: 71.5/47

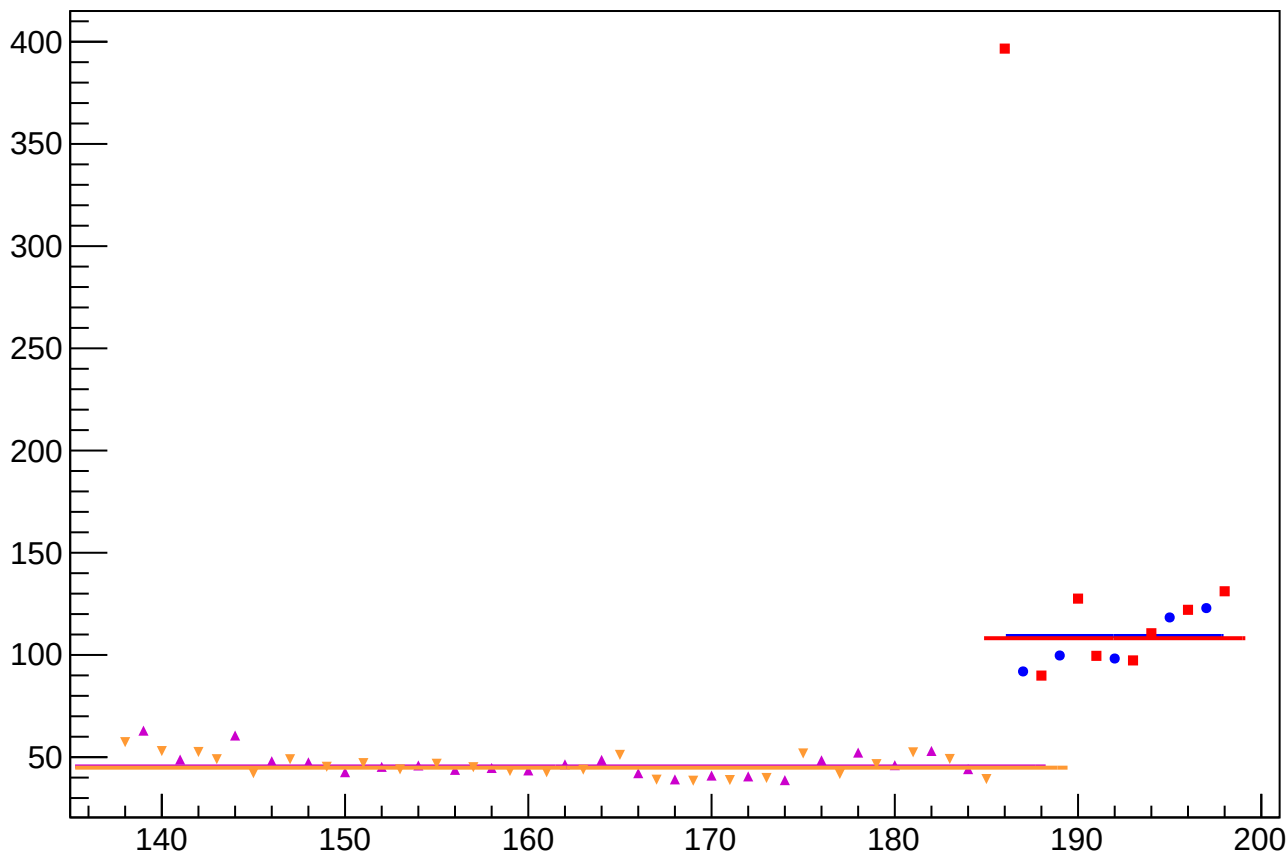
Right: 40.445 $\pm$ 40.274 χ^2 /NDF: 6.7/12

In: -29.062 $\pm$ 10.817 χ^2 /NDF:25.3/27

Out: -30.065 $\pm$ 10.350 χ^2 /NDF:56.0/32

All: -29.586 $\pm$ 7.478 χ^2 /NDF: 81.3/60

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 109.279 $\pm$ 0.048 χ^2/NDF : 58669.5/4

Left Out: 44.862 $\pm$ 0.007 χ^2/NDF : 415524.3/24

Right Out: 108.192 $\pm$ 0.035 χ^2/NDF : 576675.7/7

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

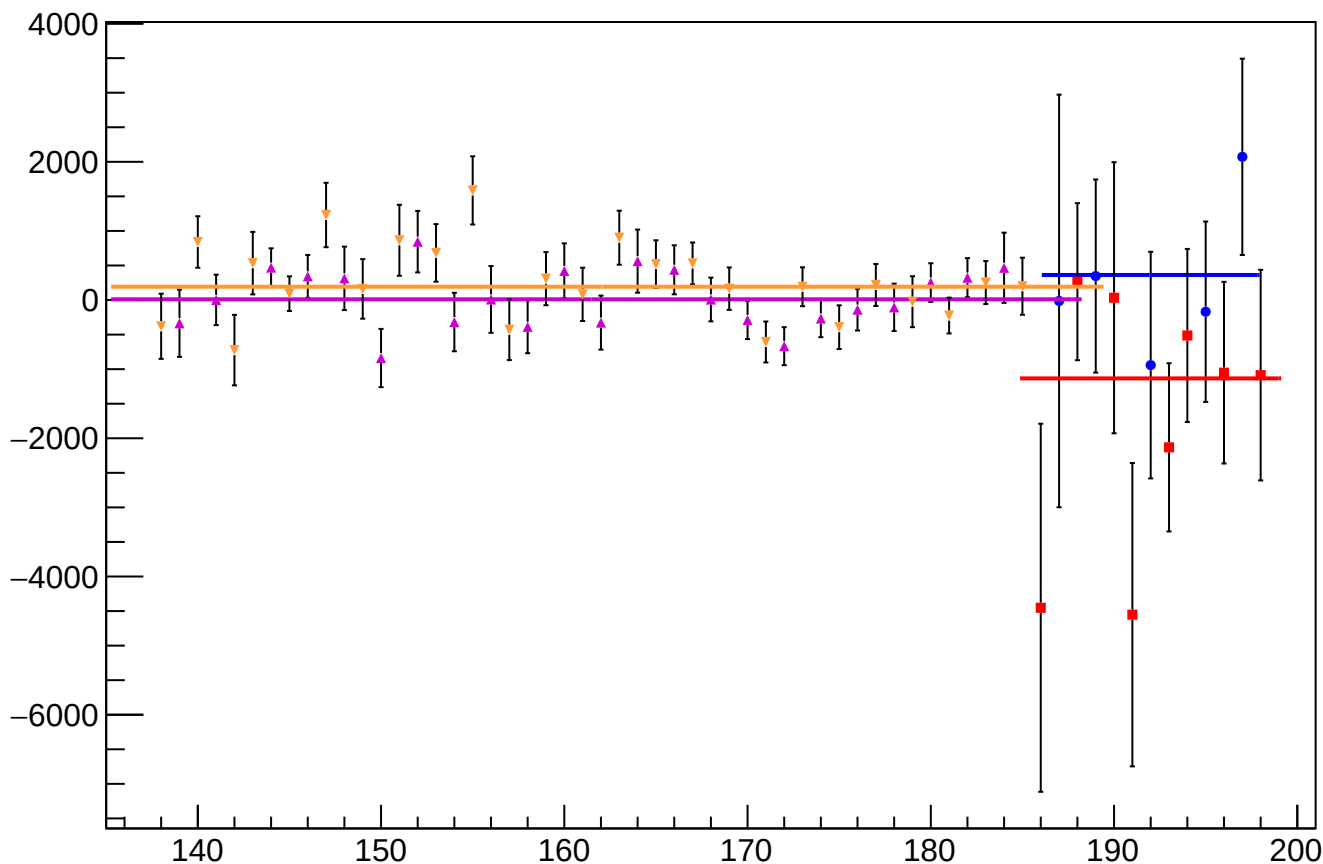
Right: 108.577 $\pm$ 0.028 χ^2/NDF : 635678.8/12

In: 47.096 $\pm$ 0.008 χ^2/NDF : 2249762.4/27

Out: 47.562 $\pm$ 0.007 χ^2/NDF : 4048681.8/32

All: 47.340 $\pm$ 0.005 χ^2/NDF : 6300378.2/60

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 362.803 $\pm$ 693.519 χ^2 /NDF: 2.3/4

Left Out: 192.946 $\pm$ 70.968 χ^2 /NDF:45.8/24

Right Out: -1133.545 $\pm$ 519.474 χ^2 /NDF: 6.8/7

Left In: 10.801 $\pm$ 72.300 χ^2 /NDF:30.2/22

Left: 103.567 $\pm$ 50.646 χ^2 /NDF: 79.3/47

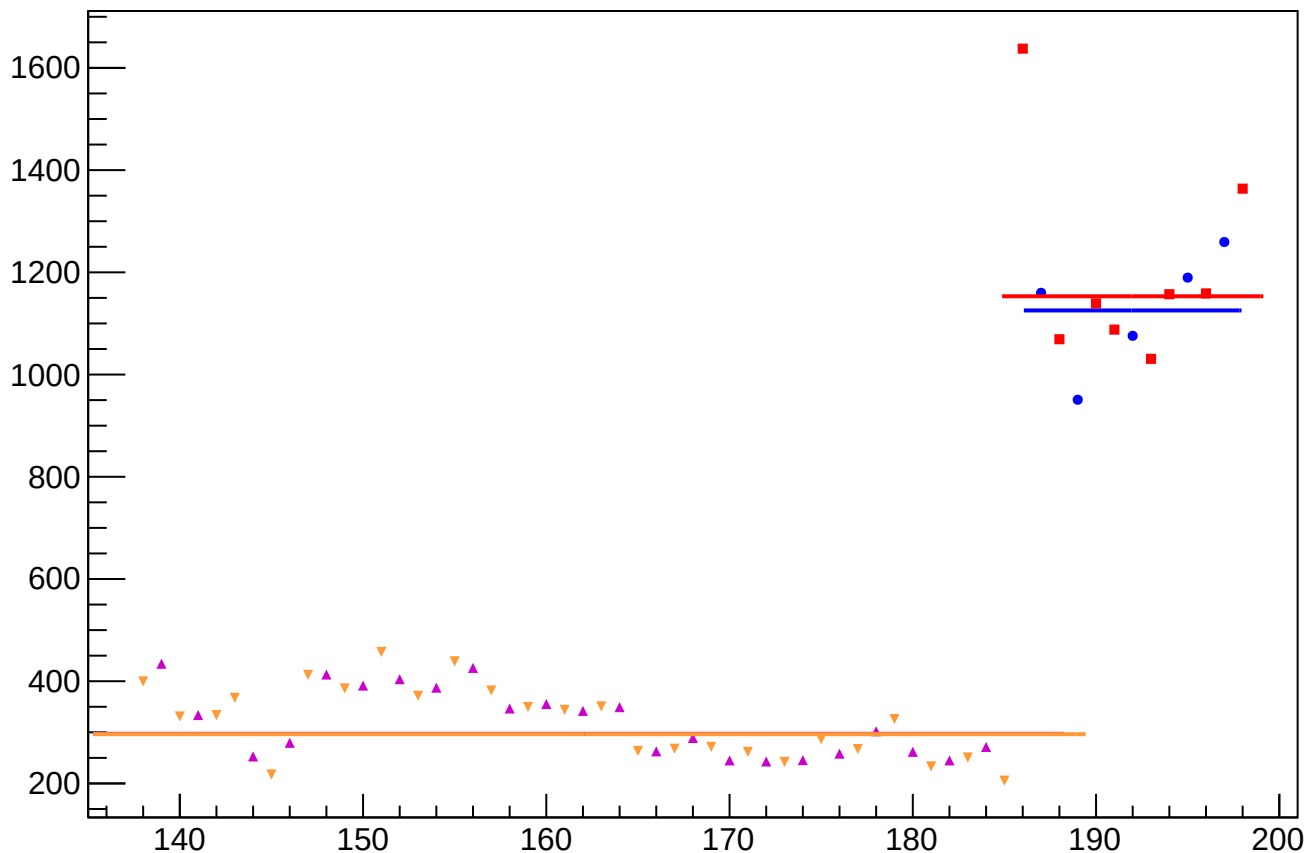
Right: -595.742 $\pm$ 415.771 χ^2 /NDF: 12.0/12

In: 14.585 $\pm$ 71.910 χ^2 /NDF:32.8/27

Out: 168.642 $\pm$ 70.315 χ^2 /NDF:59.0/32

All: 93.342 $\pm$ 50.275 χ^2 /NDF: 94.1/60

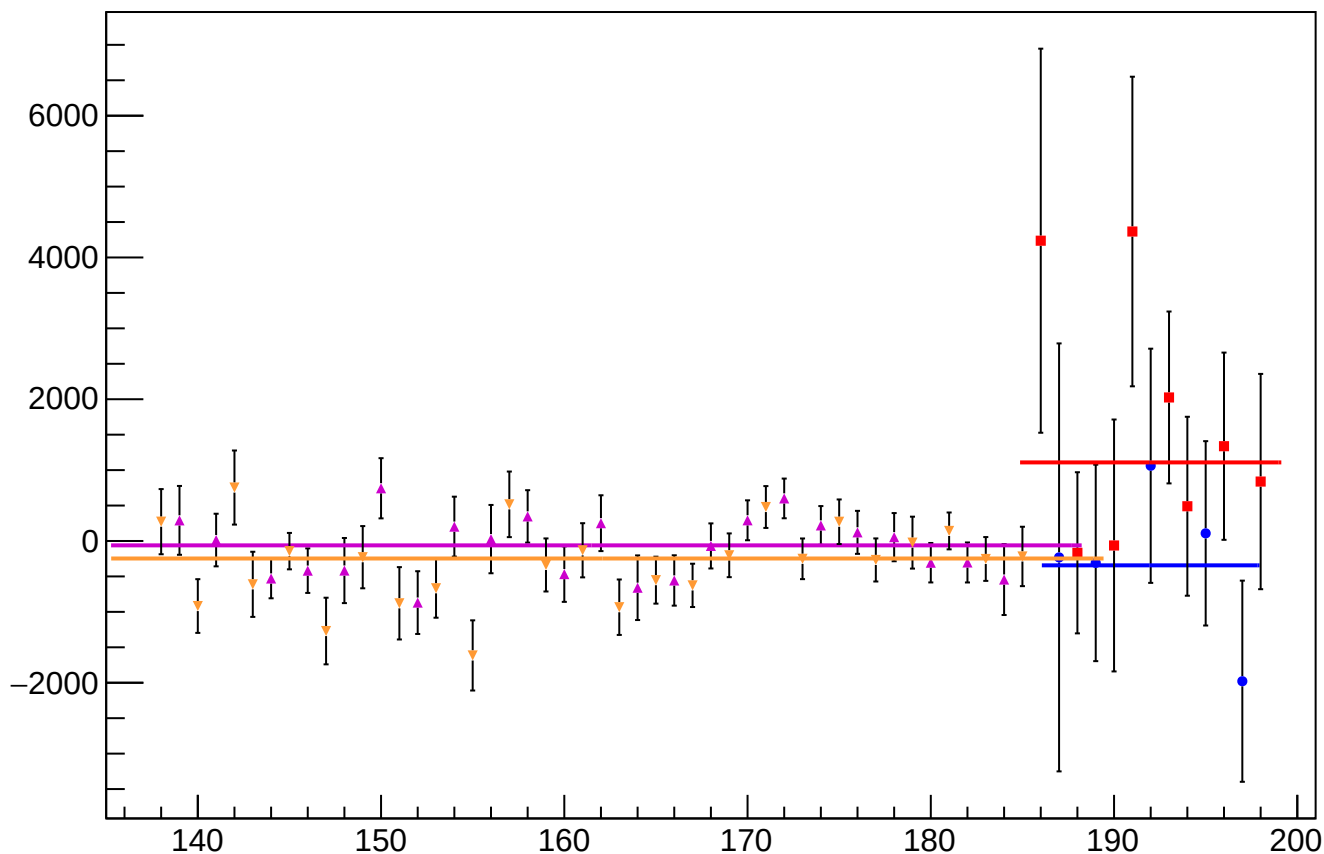
asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 1125.460 $\pm$ 0.490 χ^2 /NDF: 55977.1/4
 Left Out: 296.383 $\pm$ 0.050 χ^2 /NDF:1635498.4/24
 Right Out: 1153.169 $\pm$ 0.367 χ^2 /NDF: 137535.0/7
 Left In: 297.137 $\pm$ 0.051 χ^2 /NDF:1320750.3/22

Left: 296.753 $\pm$ 0.036 χ^2 /NDF: 2956359.4/47
 Right: 1143.210 $\pm$ 0.294 χ^2 /NDF: 195557.3/12
 In: 306.043 $\pm$ 0.051 χ^2 /NDF:4199122.7/27
 Out: 312.081 $\pm$ 0.050 χ^2 /NDF:7113952.3/32
 All: 309.130 $\pm$ 0.036 χ^2 /NDF: 11320284.4/60

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -343.638 $\pm$ 692.607 χ^2/NDF : 2.2/4

Left Out: -247.108 $\pm$ 71.218 χ^2/NDF : 43.6/24

Right Out: 1108.612 $\pm$ 516.328 χ^2/NDF : 6.1/7

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

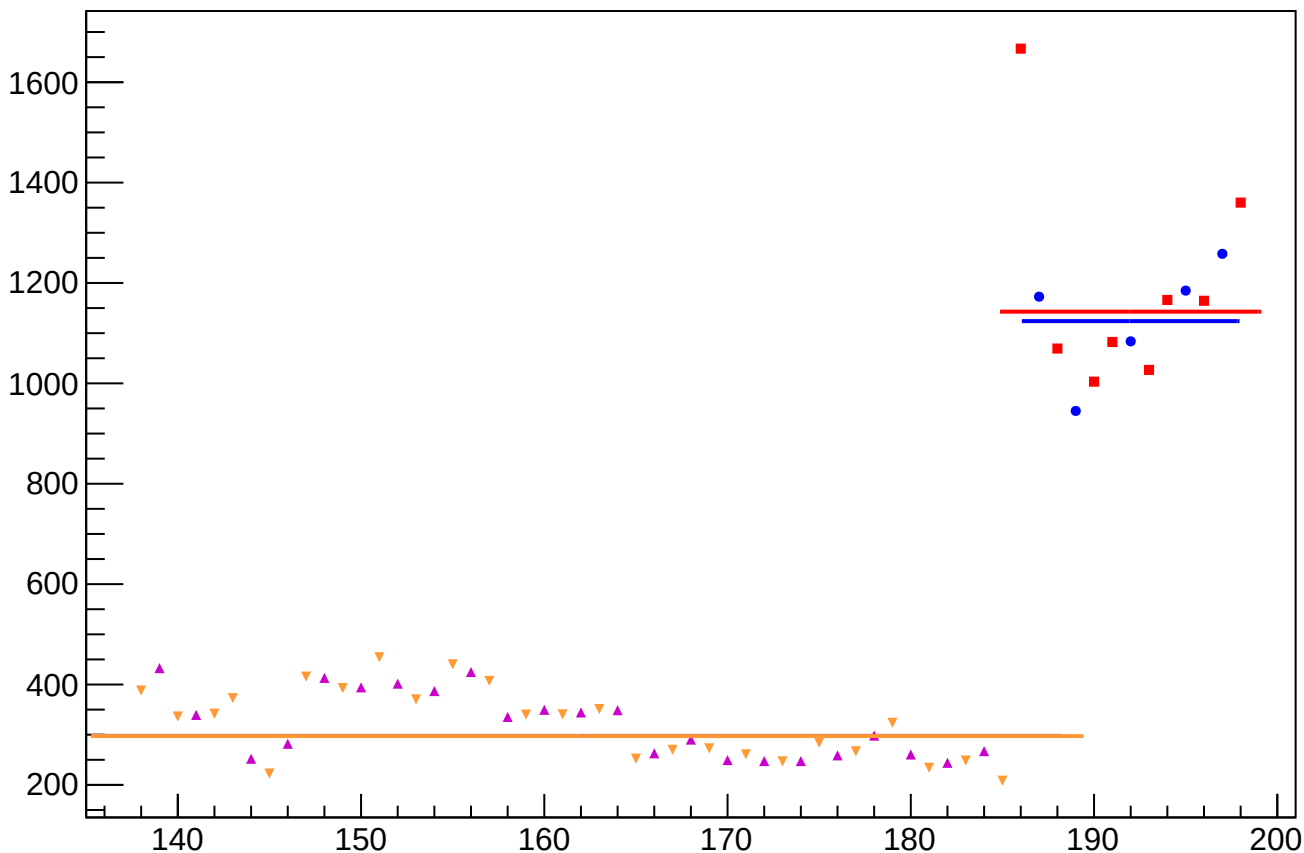
Right: 589.836 $\pm$ 413.958 χ^2/NDF : 11.1/12

In: -64.761 $\pm$ 72.084 χ^2/NDF : 32.7/27

Out: -221.796 $\pm$ 70.550 χ^2/NDF : 56.5/32

All: -144.967 $\pm$ 50.420 χ^2/NDF : 91.6/60

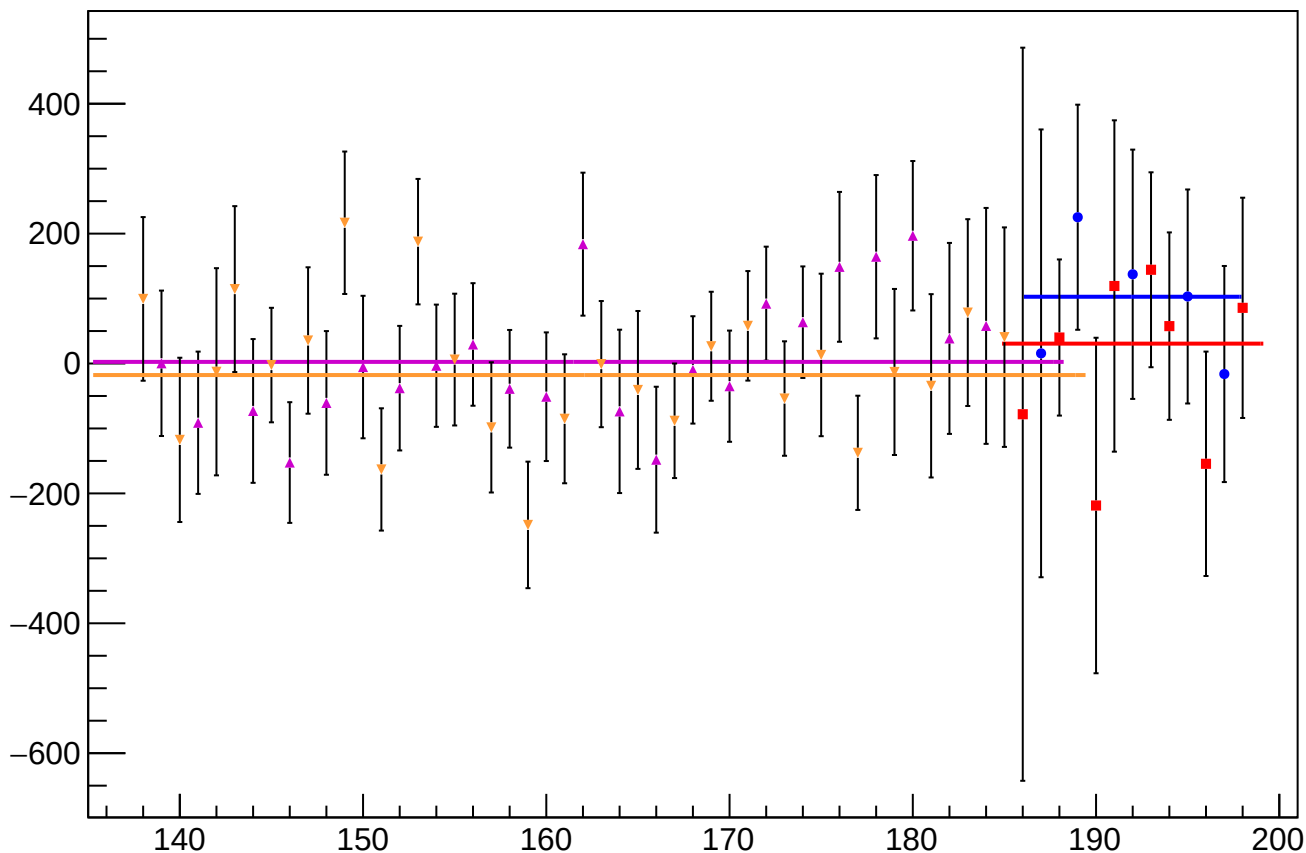
asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 1123.994 ± 0.490 $\chi^2/\text{NDF}: 57264.4/4$
 Left Out: 297.273 ± 0.050 $\chi^2/\text{NDF}: 1627904.5/24$
 Right Out: 1142.867 ± 0.365 $\chi^2/\text{NDF}: 157486.5/7$
 Left In: 297.696 ± 0.051 $\chi^2/\text{NDF}: 1274607.7/22$

Left: 297.481 ± 0.036 $\chi^2/\text{NDF}: 2902547.0/47$
 Right: 1136.125 ± 0.293 $\chi^2/\text{NDF}: 215705.4/12$
 In: 306.647 ± 0.051 $\chi^2/\text{NDF}: 4147657.7/27$
 Out: 313.060 ± 0.050 $\chi^2/\text{NDF}: 7049411.8/32$
 All: 309.922 ± 0.036 $\chi^2/\text{NDF}: 11205155.8/60$

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 102.801 $\pm$ 83.971 χ^2 /NDF: 1.1/4

Left Out: -17.764 $\pm$ 21.121 χ^2 /NDF:25.5/24

Right Out: 30.613 $\pm$ 61.616 χ^2 /NDF: 3.0/7

Left In: 2.505 $\pm$ 21.582 χ^2 /NDF:18.0/22

Left: -7.848 $\pm$ 15.095 χ^2 /NDF: 44.0/47

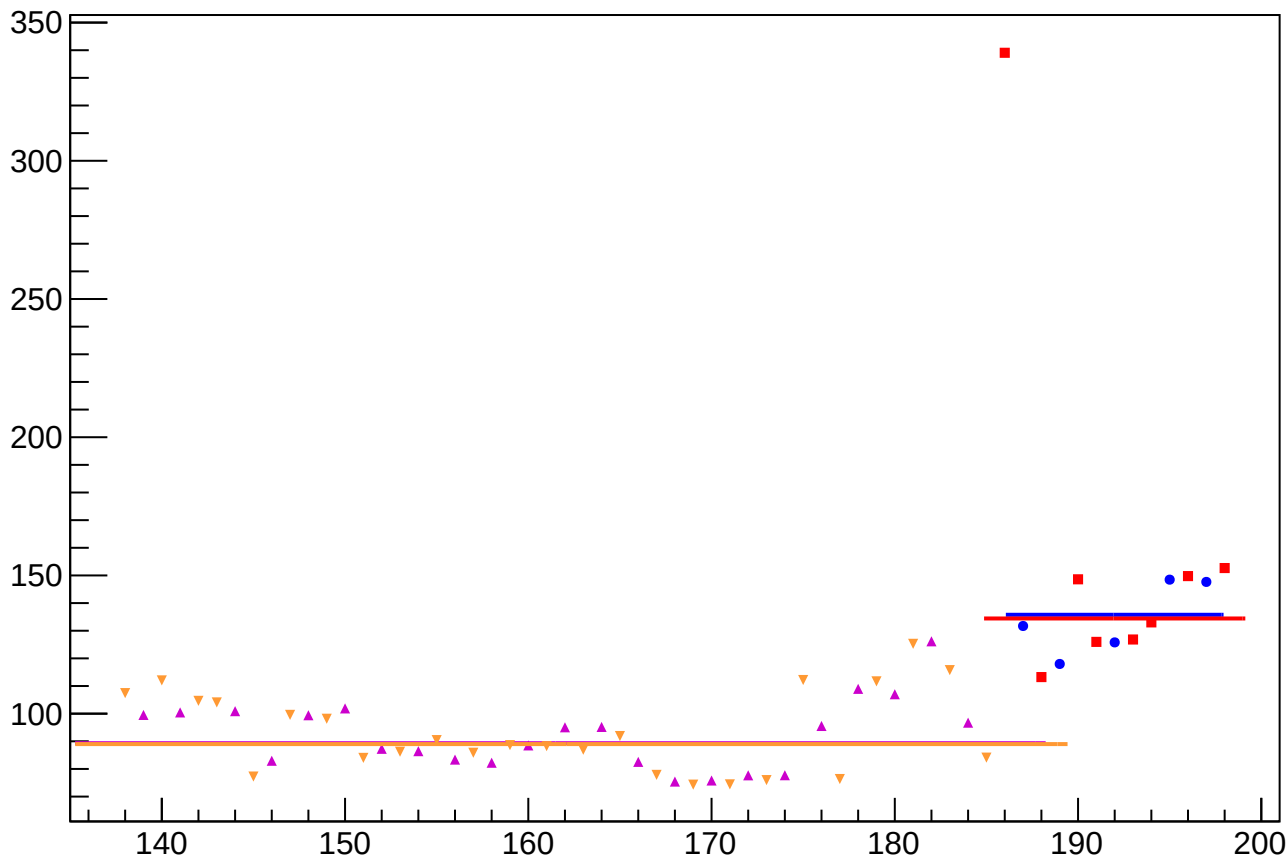
Right: 55.878 $\pm$ 49.677 χ^2 /NDF: 4.5/12

In: 8.720 $\pm$ 20.903 χ^2 /NDF:20.4/27

Out: -12.677 $\pm$ 19.980 χ^2 /NDF:29.0/32

All: -2.461 $\pm$ 14.443 χ^2 /NDF: 50.0/60

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 135.770 $\pm$ 0.059 χ^2 /NDF: 48876.4/4

Left Out: 88.991 $\pm$ 0.015 χ^2 /NDF:807471.2/24

Right Out: 134.432 $\pm$ 0.044 χ^2 /NDF: 377563.9/7

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

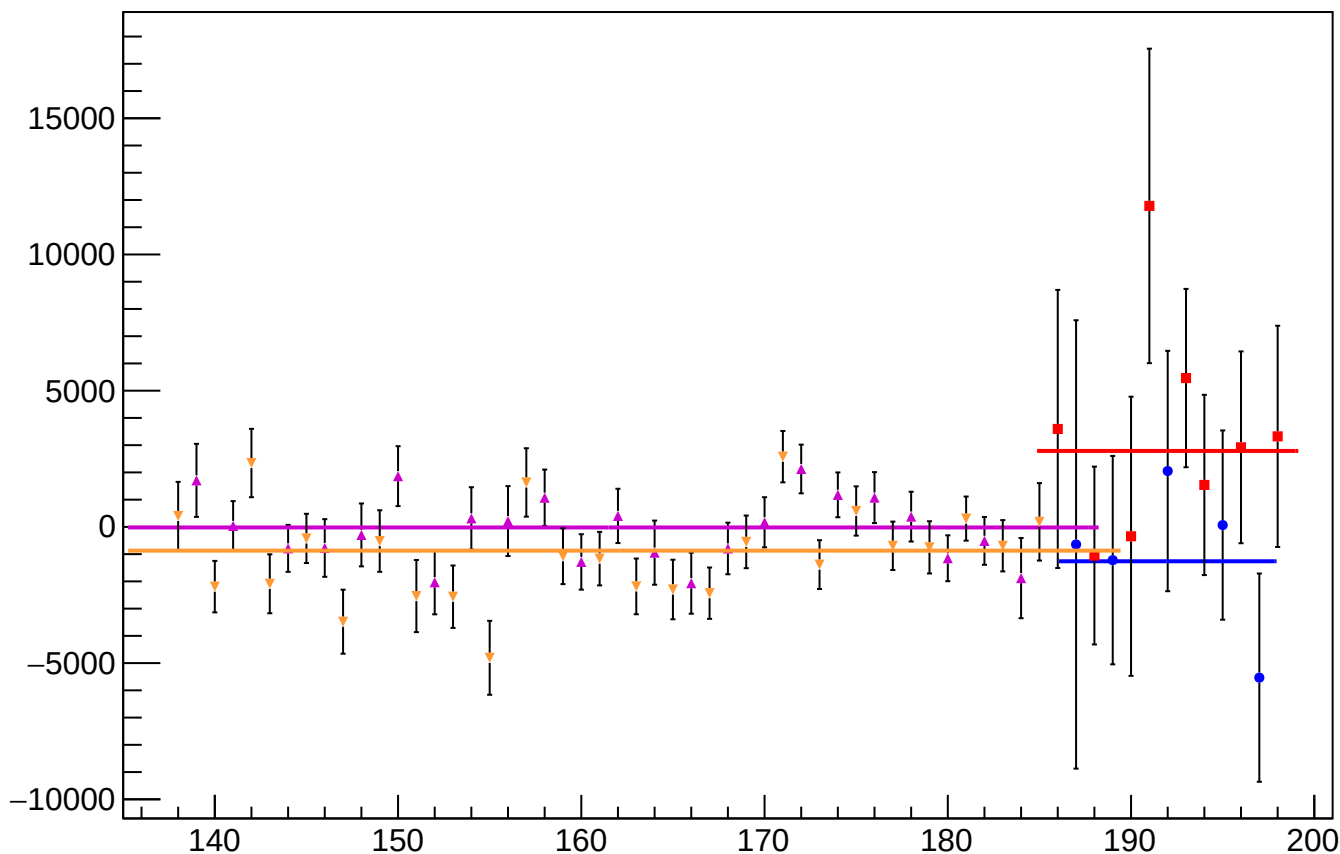
Right: 134.900 $\pm$ 0.035 χ^2 /NDF: 426770.7/12

In: 92.200 $\pm$ 0.015 χ^2 /NDF:1183343.5/27

Out: 93.769 $\pm$ 0.014 χ^2 /NDF:2158434.0/32

All: 93.019 $\pm$ 0.010 χ^2 /NDF: 3347666.3/60

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -1261.759 ± 1870.614 $\chi^2/\text{NDF}: 2.0/4$

Left Out: -871.061 ± 205.986 $\chi^2/\text{NDF}: 57.6/24$

Right Out: 2788.226 ± 1378.329 $\chi^2/\text{NDF}: 5.0/7$

Left In: -20.573 ± 210.177 $\chi^2/\text{NDF}: 29.7/22$

Left: -454.381 ± 147.113 $\chi^2/\text{NDF}: 95.6/47$

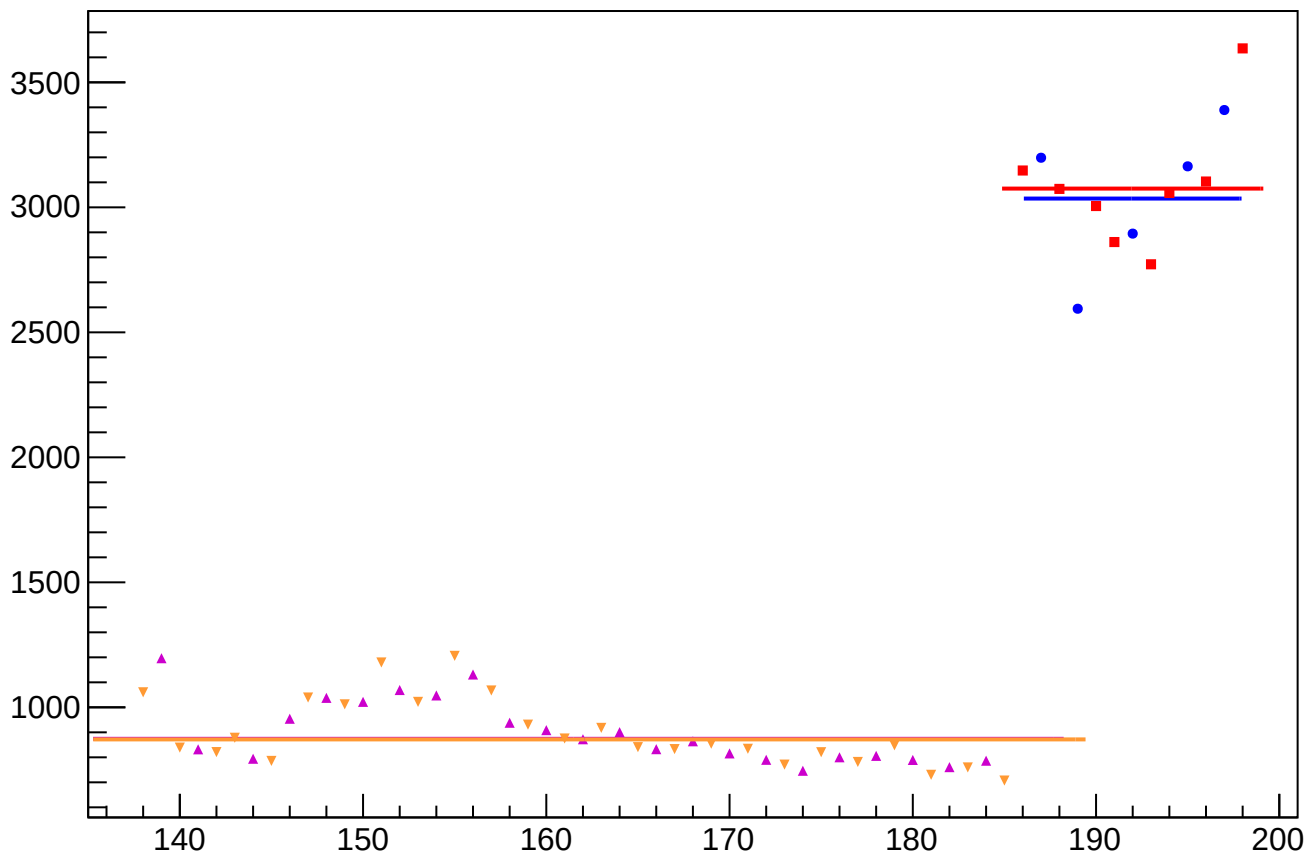
Right: 1363.121 ± 1109.637 $\chi^2/\text{NDF}: 10.0/12$

In: -36.047 ± 208.862 $\chi^2/\text{NDF}: 32.1/27$

Out: -791.120 ± 203.723 $\chi^2/\text{NDF}: 69.6/32$

All: -422.987 ± 145.837 $\chi^2/\text{NDF}: 108.3/60$

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 3035.134+/-1.323 χ^2/NDF : 49271.0/4

Left Out: 871.690+/-0.146 χ^2/NDF : 642403.4/24

Right Out: 3075.044+/-0.975 χ^2/NDF : 58977.4/7

Left In: 874.055+/-0.149 χ^2/NDF : 578510.6/22

Left: 872.849+/-0.104 χ^2/NDF : 1221043.2/47

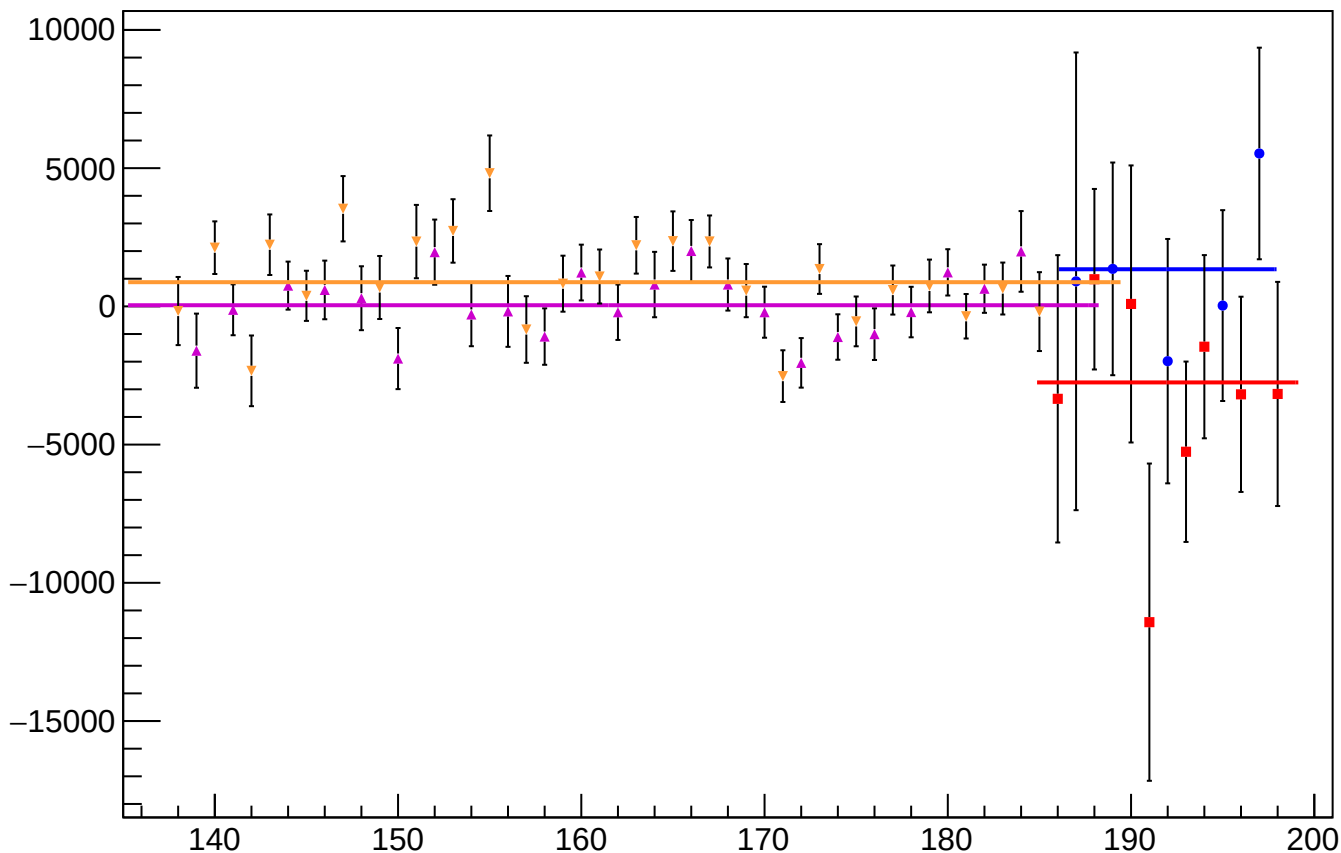
Right: 3061.000+/-0.785 χ^2/NDF : 108838.4/12

In: 900.997+/-0.148 χ^2/NDF : 3263836.1/27

Out: 919.825+/-0.144 χ^2/NDF : 5700575.8/32

All: 910.646+/-0.103 χ^2/NDF : 8972740.7/60

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1342.947 $\pm$ 1871.402 χ^2 /NDF: 1.9/4

Left Out: 875.084 $\pm$ 205.572 χ^2 /NDF:55.1/24

Right Out: -2751.122 $\pm$ 1377.431 χ^2 /NDF: 4.7/7

Left In: 41.523 $\pm$ 210.209 χ^2 /NDF:28.1/22

Left: 467.597 $\pm$ 146.973 χ^2 /NDF: 91.2/47

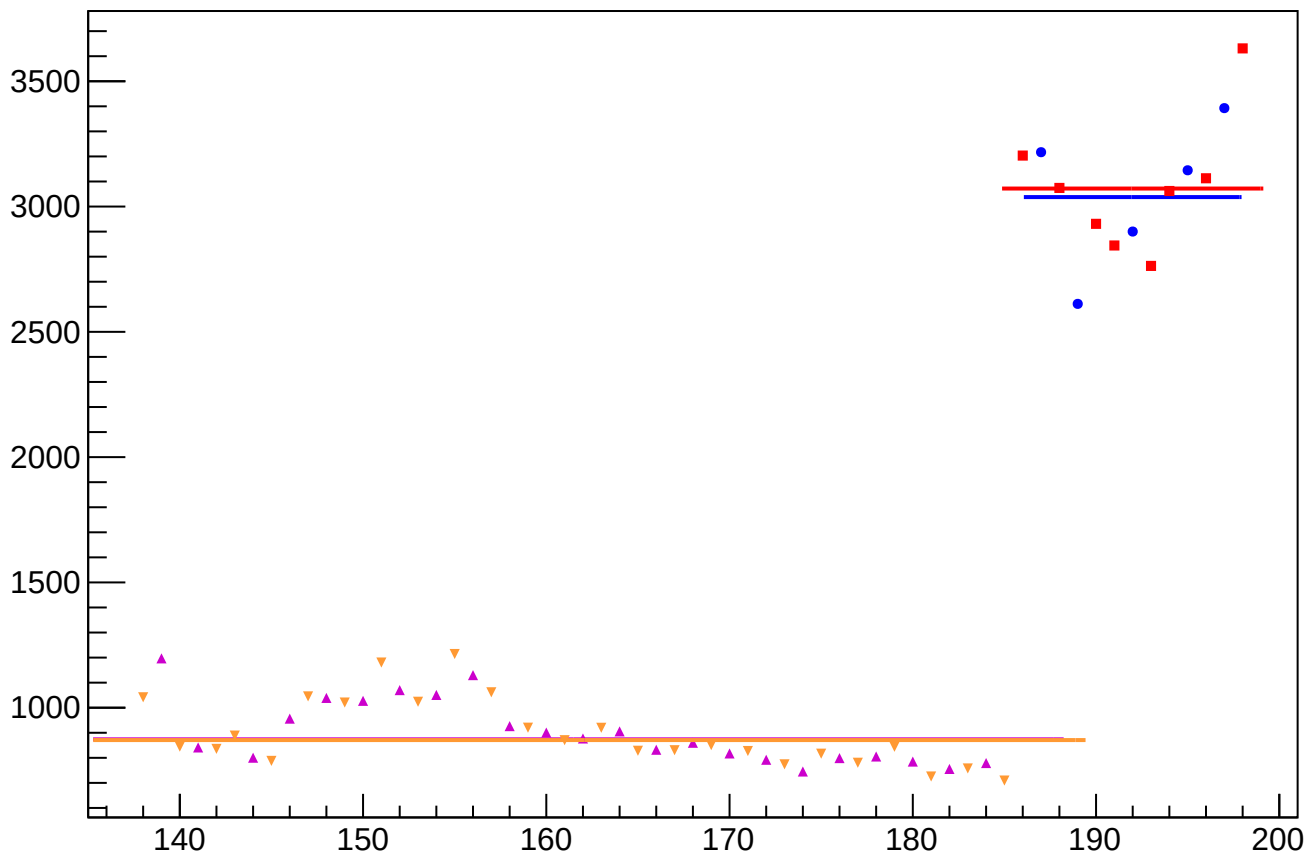
Right: -1312.507 $\pm$ 1109.333 χ^2 /NDF: 9.7/12

In: 57.739 $\pm$ 208.895 χ^2 /NDF:30.5/27

Out: 796.075 $\pm$ 203.320 χ^2 /NDF:66.5/32

All: 436.890 $\pm$ 145.700 χ^2 /NDF: 103.5/60

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Left: 872.344 +/- 0.104 χ^2/NDF : 1235365.2/47

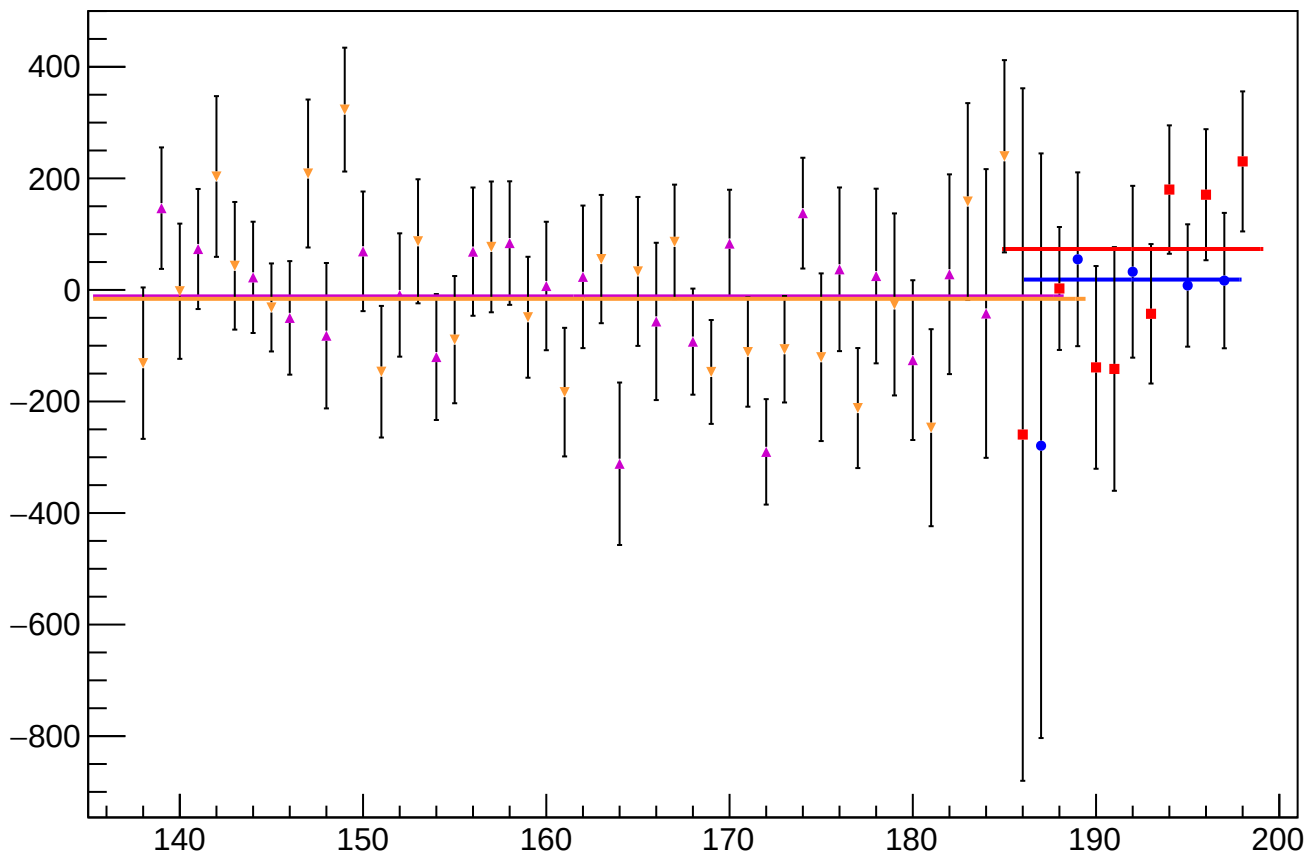
Right: 3059.894 +/- 0.784 χ^2/NDF : 109240.6/12

In: 900.864 +/- 0.148 χ^2/NDF : 3270545.5/27

Out: 918.809 +/- 0.144 χ^2/NDF : 5709514.5/32

All: 910.079 +/- 0.103 χ^2/NDF : 8987639.2/60

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



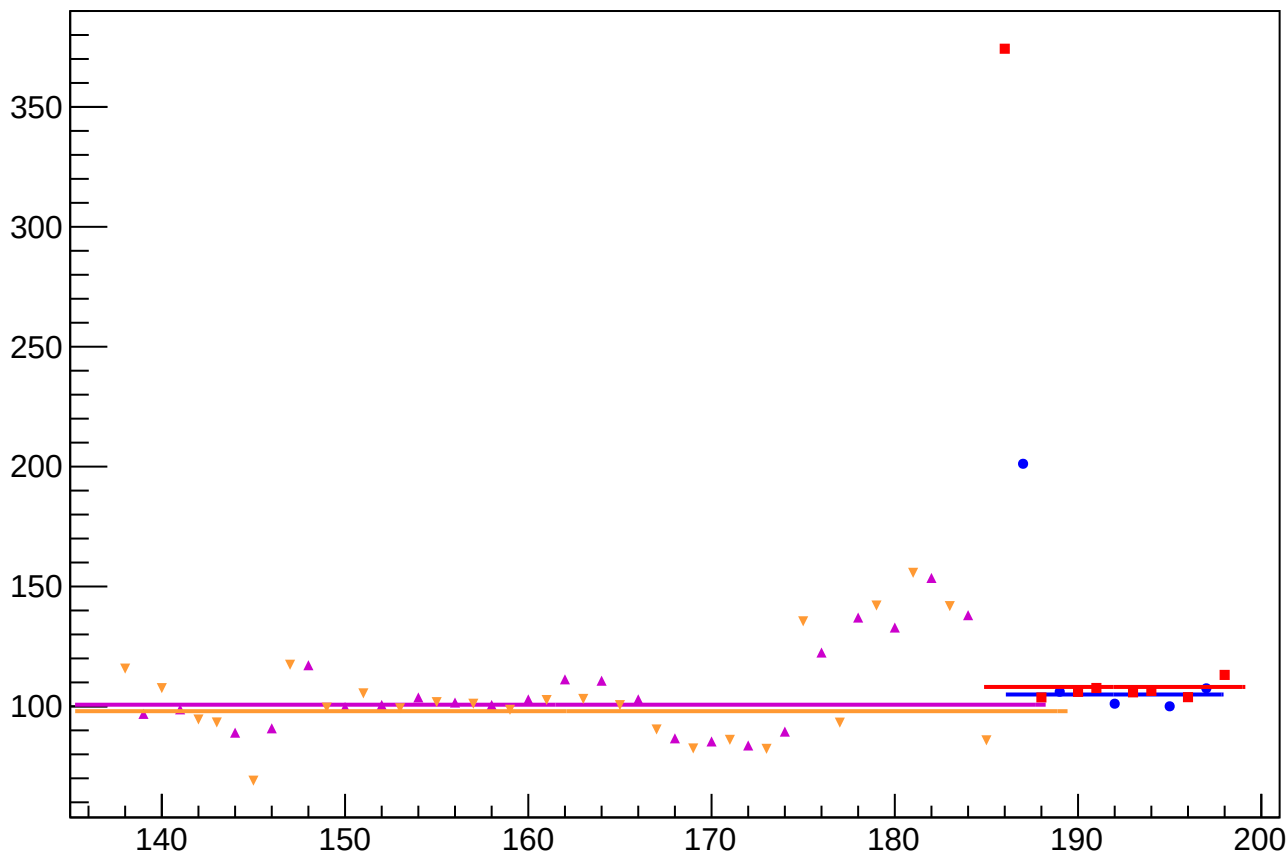
Right In: 18.572 ± 64.827 $\chi^2/\text{NDF}: 0.4/4$
 Left Out: -15.956 ± 23.377 $\chi^2/\text{NDF}: 34.9/24$
 Right Out: 73.396 ± 49.298 $\chi^2/\text{NDF}: 7.0/7$
 Left In: -11.570 ± 24.412 $\chi^2/\text{NDF}: 24.0/22$

Left: -13.858 ± 16.884 $\chi^2/\text{NDF}: 58.9/47$
 Right: 53.308 ± 39.241 $\chi^2/\text{NDF}: 7.9/12$

In: -7.826 ± 22.846 $\chi^2/\text{NDF}: 24.5/27$
 Out: 0.448 ± 21.123 $\chi^2/\text{NDF}: 44.6/32$

All: -3.365 ± 15.509 $\chi^2/\text{NDF}: 69.2/60$

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 104.963 $\pm$ 0.046 χ^2 /NDF: 73687.3/4

Left Out: 98.001 $\pm$ 0.017 χ^2 /NDF: 1155021.9/24

Right Out: 108.109 $\pm$ 0.035 χ^2 /NDF: 377927.2/7

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

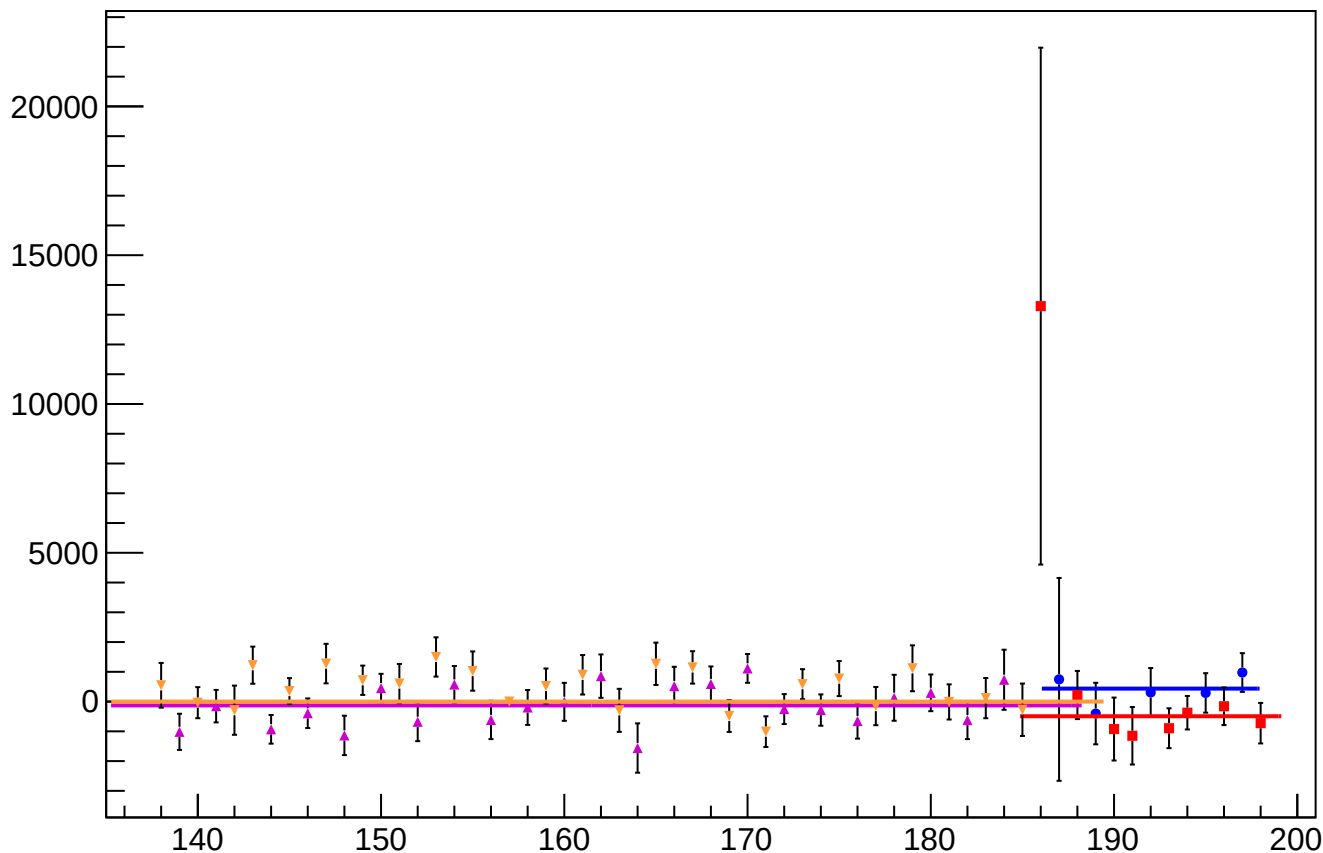
Right: 106.956 $\pm$ 0.028 χ^2 /NDF: 454599.2/12

In: 101.233 $\pm$ 0.016 χ^2 /NDF: 841170.8/27

Out: 99.857 $\pm$ 0.015 χ^2 /NDF: 1601589.1/32

All: 100.491 $\pm$ 0.011 χ^2 /NDF: 2446669.7/60

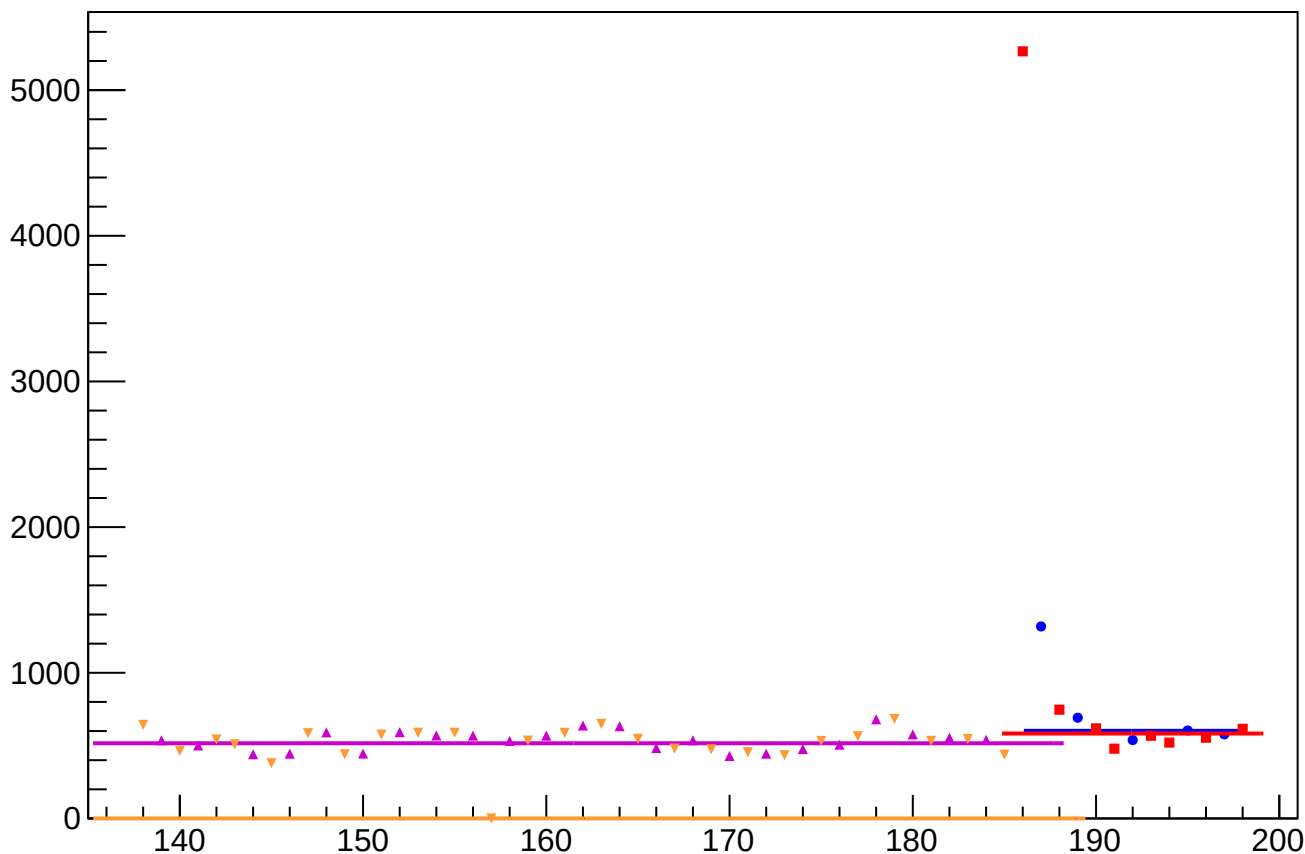
asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 435.886 $\pm$ 374.017 χ^2 /NDF: 1.4/4
 Left Out: -0.000 $\pm$ -0.000 χ^2 /NDF:39.9/24
 Right Out: -492.821 $\pm$ -271.581 χ^2 /NDF: 4.7/7
 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: -172.205 $\pm$ -219.758 χ^2 /NDF: 10.2/12
 In: -72.943 $\pm$ -117.911 χ^2 /NDF:31.8/27
 Out: -0.000 $\pm$ -0.000 χ^2 /NDF:47.9/32
 All: -0.000 $\pm$ -0.000 χ^2 /NDF: 80.1/60

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 601.533+/-0.264 χ^2/NDF : 118252.4/4

Left Out: 0.000+/-0.000 χ^2/NDF : 34974091.9/24

Right Out: 583.022+/-0.192 χ^2/NDF : 722903.6/7

Left In: 516.120+/-0.088 χ^2/NDF : 571744.7/22

Left: 0.000+/-0.000 χ^2/NDF : 70057167.0/47

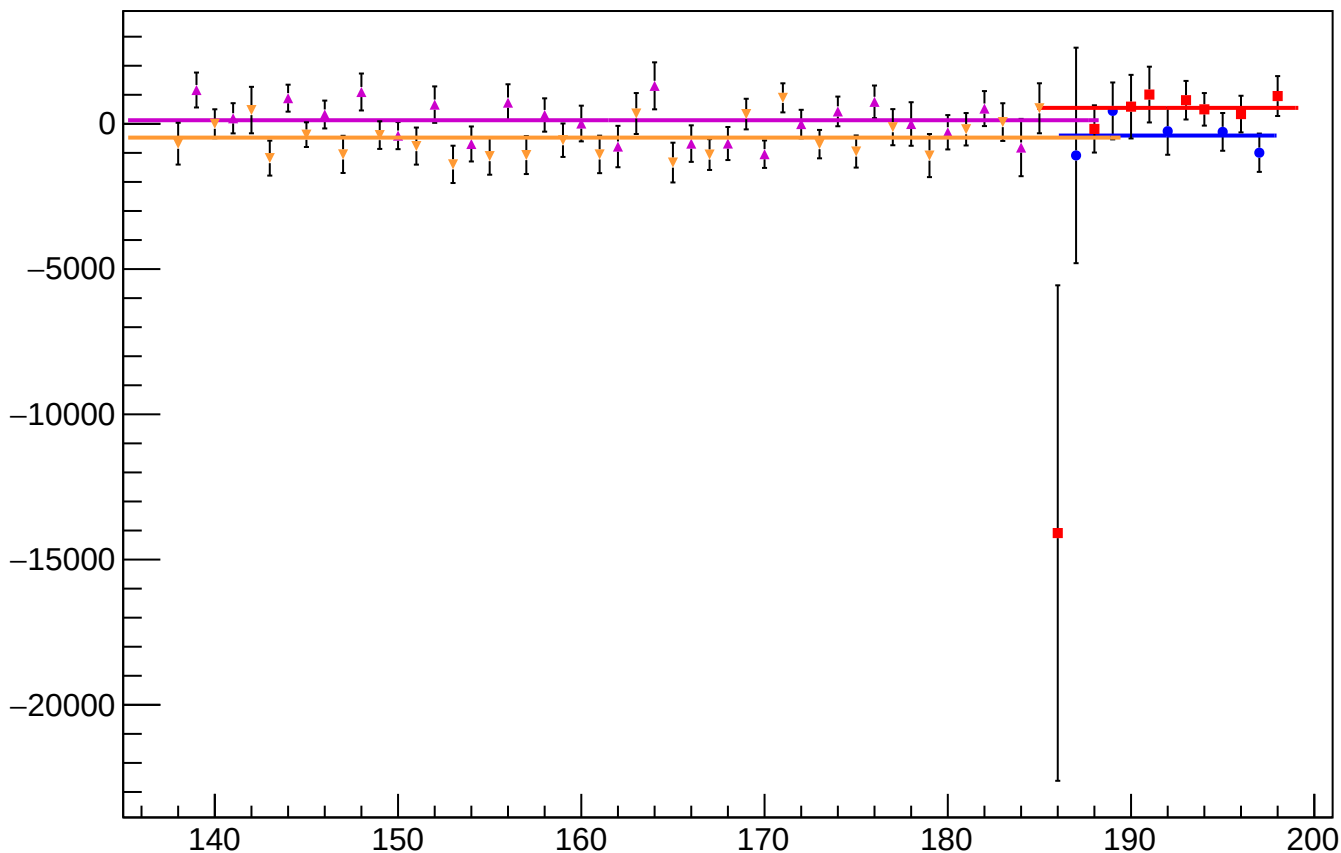
Right: 589.413+/-0.155 χ^2/NDF : 844363.5/12

In: 524.609+/-0.083 χ^2/NDF : 783932.7/27

Out: 0.000+/-0.000 χ^2/NDF : 44914254.2/32

All: 0.000+/-0.000 χ^2/NDF : 85288866.0/60

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -403.304 ± 370.185 $\chi^2/\text{NDF}: 1.7/4$

Left Out: -473.870 ± 117.977 $\chi^2/\text{NDF}: 27.9/24$

Right Out: 549.397 ± 271.831 $\chi^2/\text{NDF}: 4.6/7$

Left In: 124.022 ± 120.216 $\chi^2/\text{NDF}: 30.2/22$

Left: -180.543 ± 84.203 $\chi^2/\text{NDF}: 70.7/47$

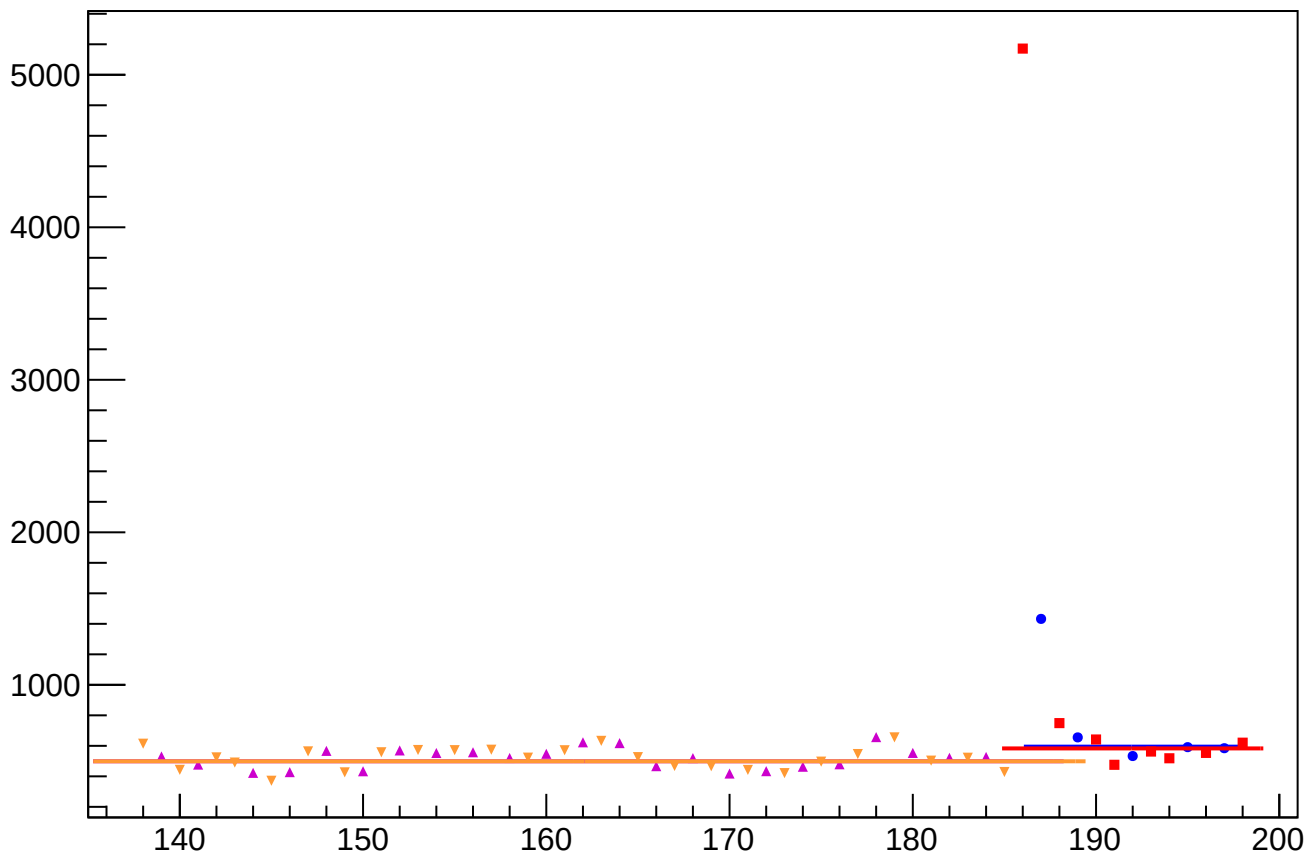
Right: 215.649 ± 219.103 $\chi^2/\text{NDF}: 10.6/12$

In: 73.716 ± 114.338 $\chi^2/\text{NDF}: 33.7/27$

Out: -311.675 ± 108.224 $\chi^2/\text{NDF}: 44.5/32$

All: -129.559 ± 78.598 $\chi^2/\text{NDF}: 84.1/60$

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 594.628 $\pm$ 0.262 χ^2 /NDF: 121691.4/4

Left Out: 498.662 $\pm$ 0.083 χ^2 /NDF: 734652.4/24

Right Out: 583.074 $\pm$ 0.192 χ^2 /NDF: 731874.4/7

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

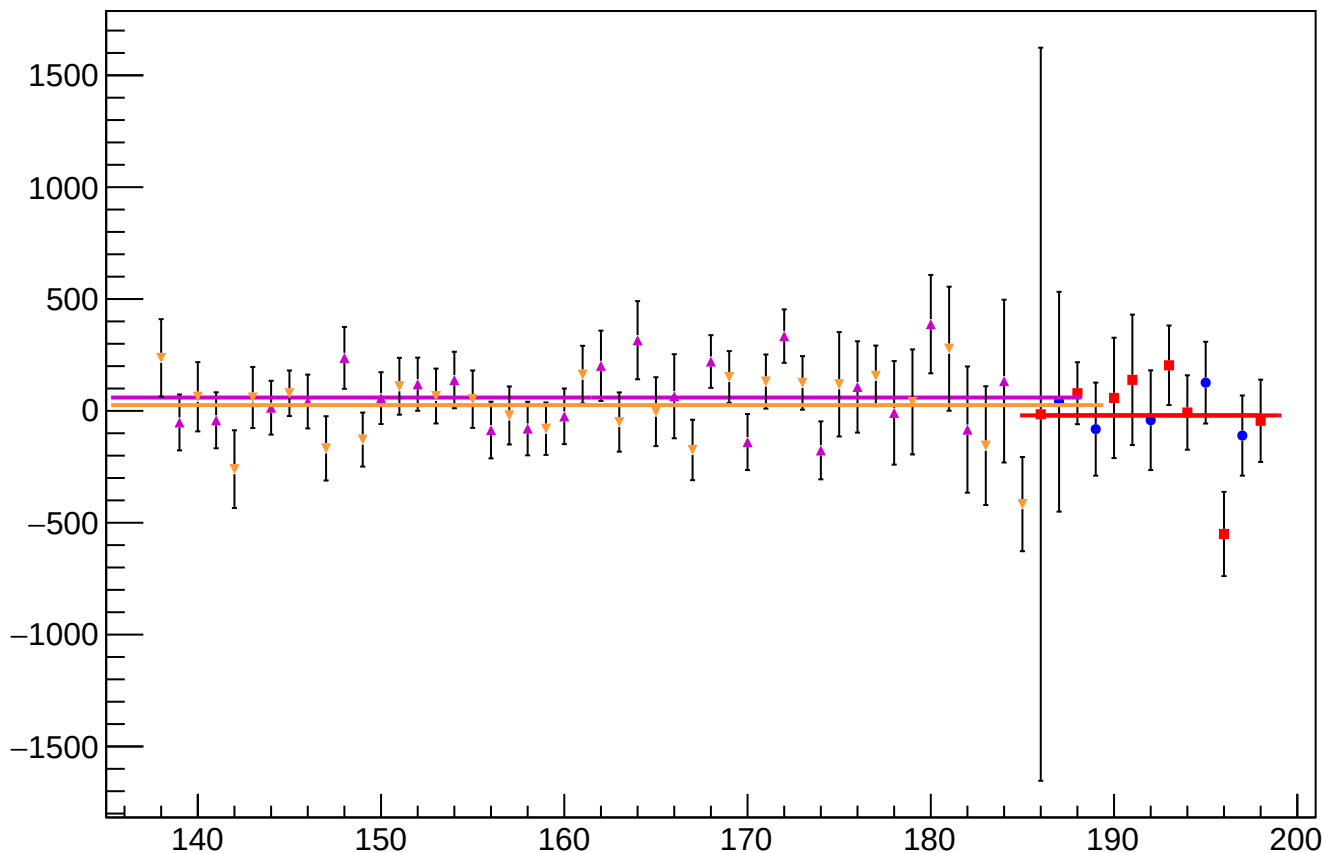
Right: 587.121 $\pm$ 0.155 χ^2 /NDF: 854831.7/12

In: 507.974 $\pm$ 0.081 χ^2 /NDF: 815175.0/27

Out: 512.042 $\pm$ 0.077 χ^2 /NDF: 1628813.9/32

All: 510.120 $\pm$ 0.056 χ^2 /NDF: 2445324.7/60

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: -20.403 ± 96.024 χ^2/NDF : 1.0/4

Left Out: 25.940 ± 28.120 χ^2/NDF : 22.7/24

Right Out: -20.075 ± 70.083 χ^2/NDF : 10.4/7

Left In: 59.603 ± 29.184 χ^2/NDF : 25.6/22

Left: 42.147 ± 20.250 χ^2/NDF : 49.0/47

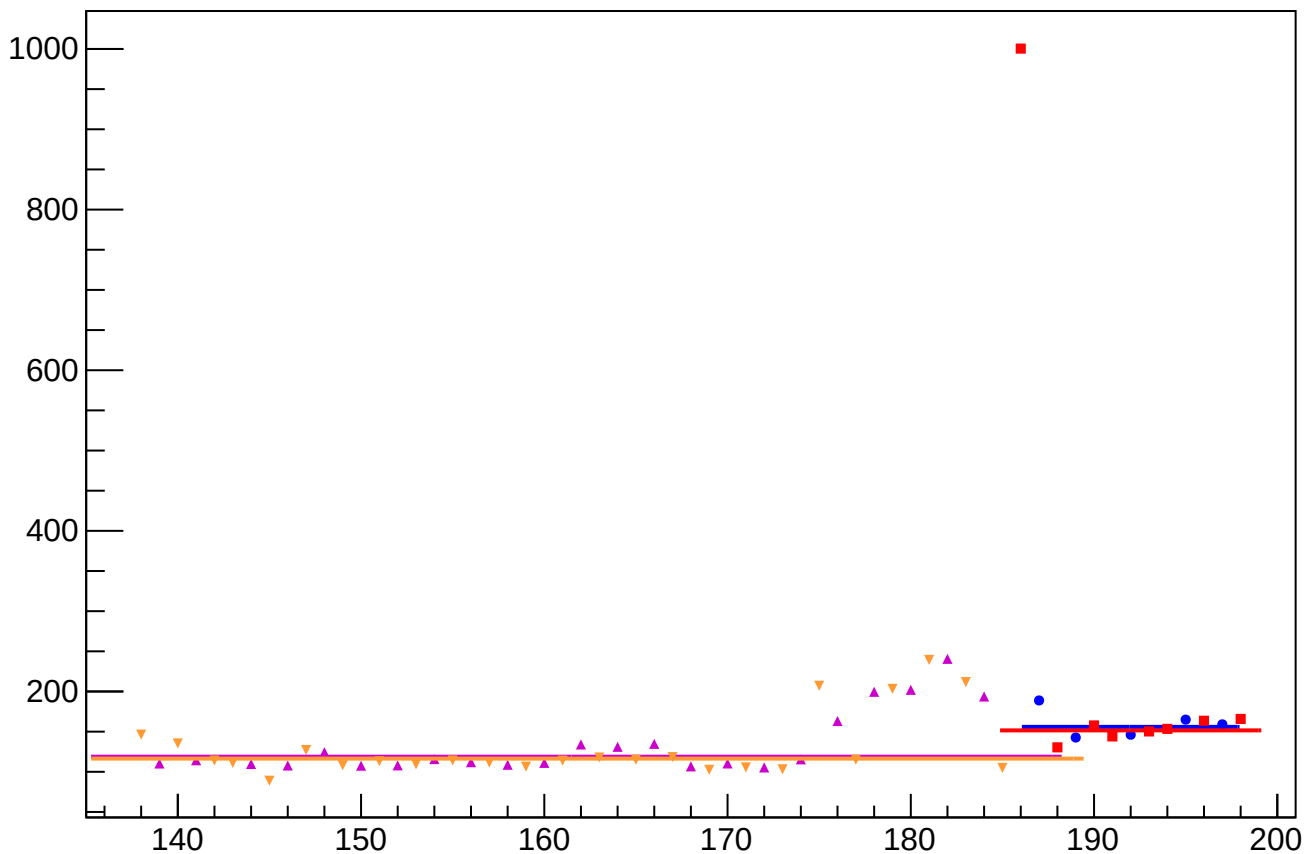
Right: -20.189 ± 56.609 χ^2/NDF : 11.4/12

In: 52.838 ± 27.923 χ^2/NDF : 27.3/27

Out: 19.559 ± 26.098 χ^2/NDF : 33.5/32

All: 35.076 ± 19.066 χ^2/NDF : 61.5/60

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 155.947 $\pm$ 0.068 χ^2 /NDF: 26395.4/4

Left Out: 116.427 $\pm$ 0.020 χ^2 /NDF:1589669.4/24

Right Out: 151.563 $\pm$ 0.050 χ^2 /NDF: 606170.2/7

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

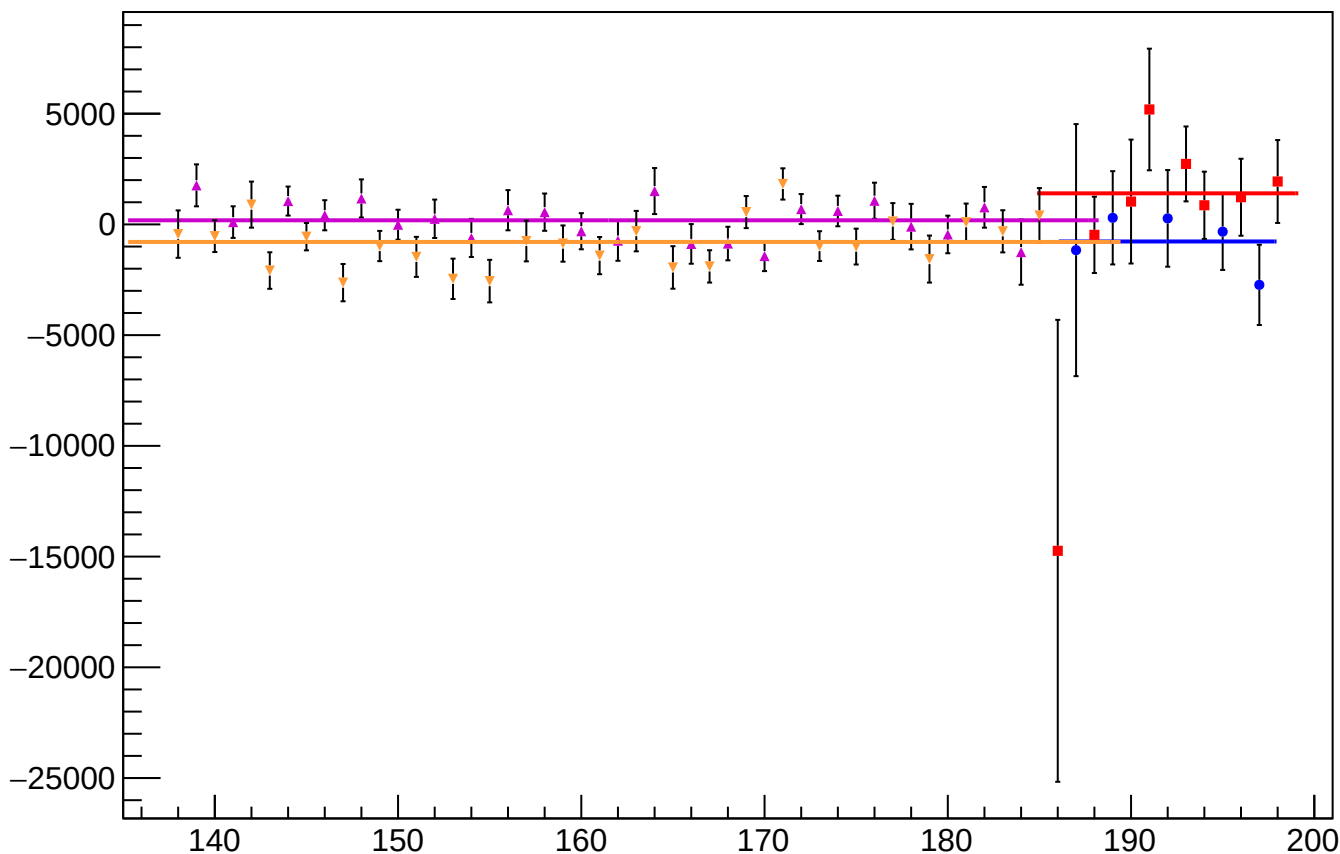
Right: 153.087 $\pm$ 0.040 χ^2 /NDF: 635284.9/12

In: 121.961 $\pm$ 0.020 χ^2 /NDF:1589248.5/27

Out: 121.300 $\pm$ 0.018 χ^2 /NDF:2628834.4/32

All: 121.608 $\pm$ 0.013 χ^2 /NDF: 4218681.7/60

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -770.798 ± 951.300 χ^2/NDF : 1.7/4

Left Out: -791.963 ± 165.971 χ^2/NDF : 43.6/24

Right Out: 1402.890 ± 705.968 χ^2/NDF : 6.3/7

Left In: 185.191 ± 169.174 χ^2/NDF : 23.4/22

Left: -312.725 ± 118.475 χ^2/NDF : 84.0/47

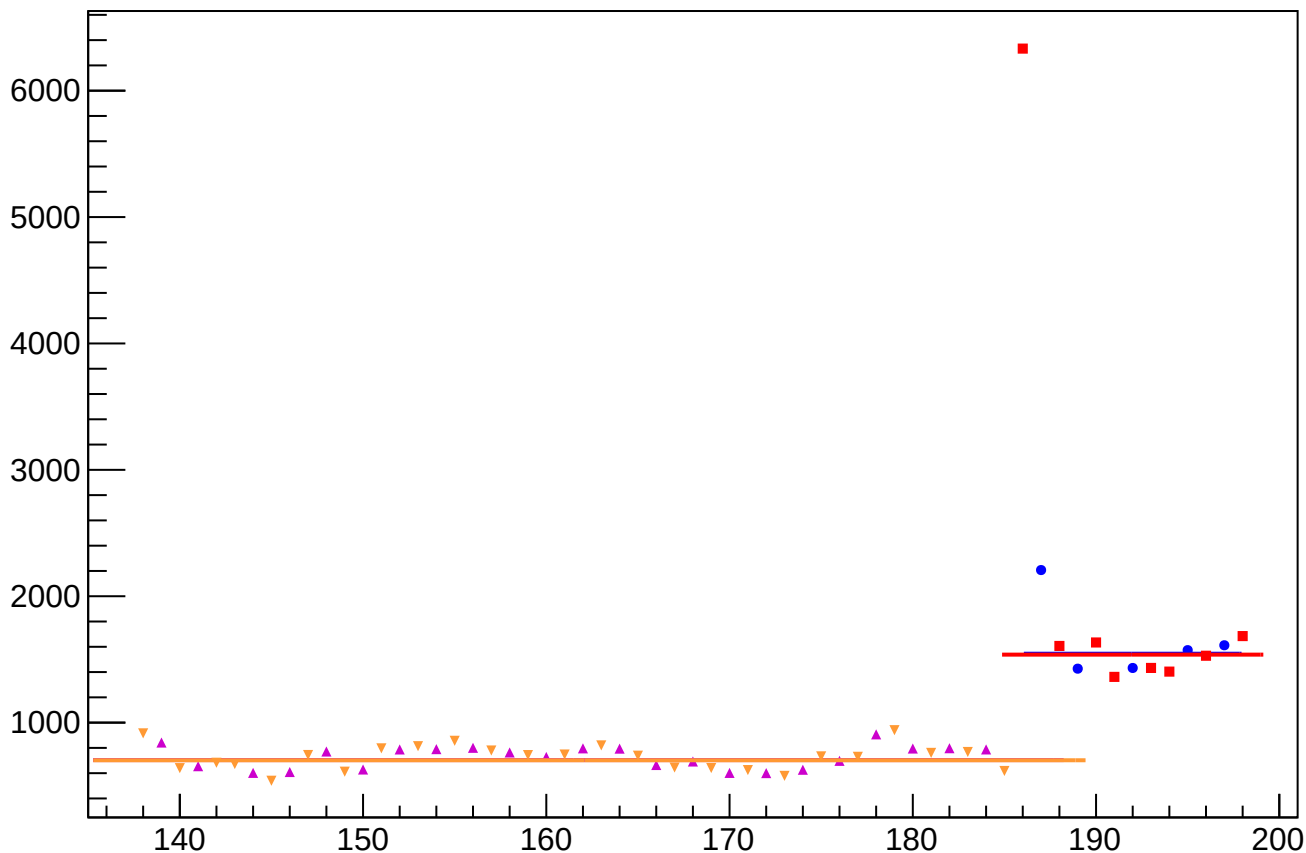
Right: 630.925 ± 566.915 χ^2/NDF : 11.4/12

In: 155.884 ± 166.561 χ^2/NDF : 26.1/27

Out: -677.006 ± 161.566 χ^2/NDF : 59.1/32

All: -273.237 ± 115.970 χ^2/NDF : 98.1/60

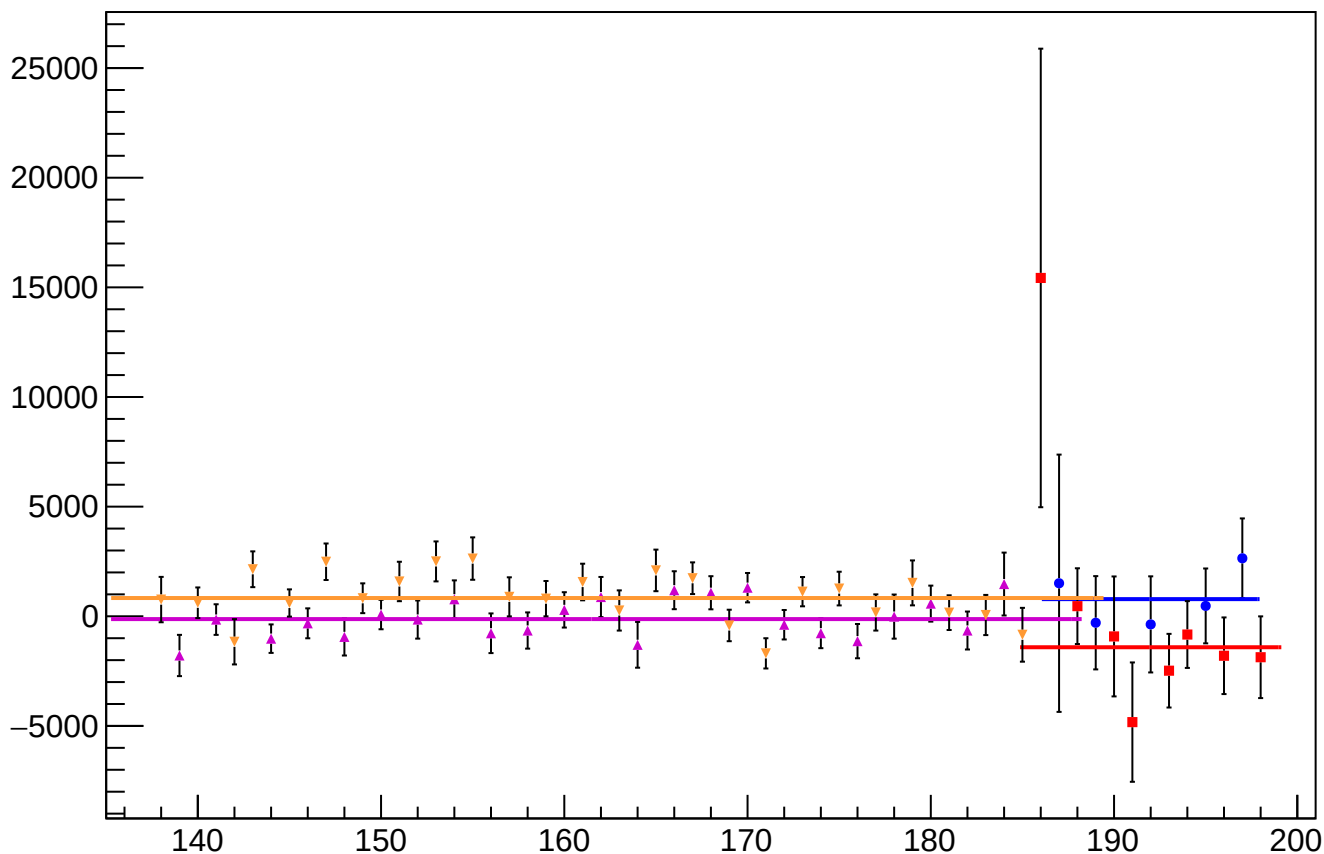
asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 1545.117 $\pm$ 0.673 χ^2 /NDF: 41957.6/4
 Left Out: 702.152 $\pm$ 0.117 χ^2 /NDF: 691552.2/24
 Right Out: 1537.972 $\pm$ 0.499 χ^2 /NDF: 472252.4/7
 Left In: 703.710 $\pm$ 0.120 χ^2 /NDF: 533573.3/22

Left: 702.916 $\pm$ 0.084 χ^2 /NDF: 1225211.9/47
 Right: 1540.509 $\pm$ 0.401 χ^2 /NDF: 514282.8/12
 In: 729.504 $\pm$ 0.118 χ^2 /NDF: 2092181.1/27
 Out: 745.929 $\pm$ 0.114 χ^2 /NDF: 3820375.0/32
 All: 737.966 $\pm$ 0.082 χ^2 /NDF: 5922576.4/60

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 782.582 ± 951.678 $\chi^2/\text{NDF}: 1.6/4$

Left Out: 832.553 ± 163.428 $\chi^2/\text{NDF}: 43.8/24$

Right Out: -1412.218 ± 704.609 $\chi^2/\text{NDF}: 6.0/7$

Left In: -128.120 ± 166.866 $\chi^2/\text{NDF}: 25.3/22$

Left: 362.214 ± 116.758 $\chi^2/\text{NDF}: 86.0/47$

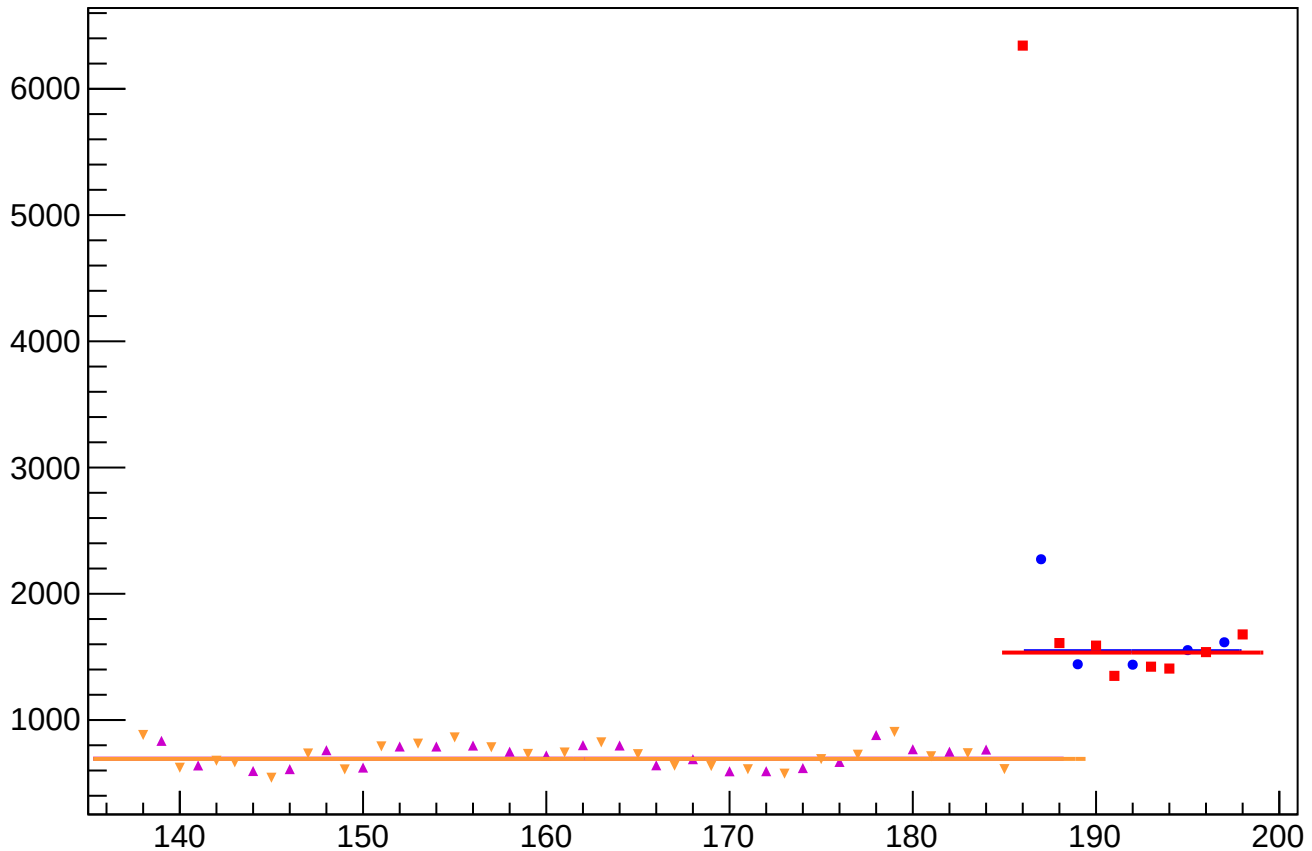
Right: -635.090 ± 566.289 $\chi^2/\text{NDF}: 11.1/12$

In: -100.957 ± 164.358 $\chi^2/\text{NDF}: 27.8/27$

Out: 717.956 ± 159.202 $\chi^2/\text{NDF}: 59.5/32$

All: 321.547 ± 114.352 $\chi^2/\text{NDF}: 100.1/60$

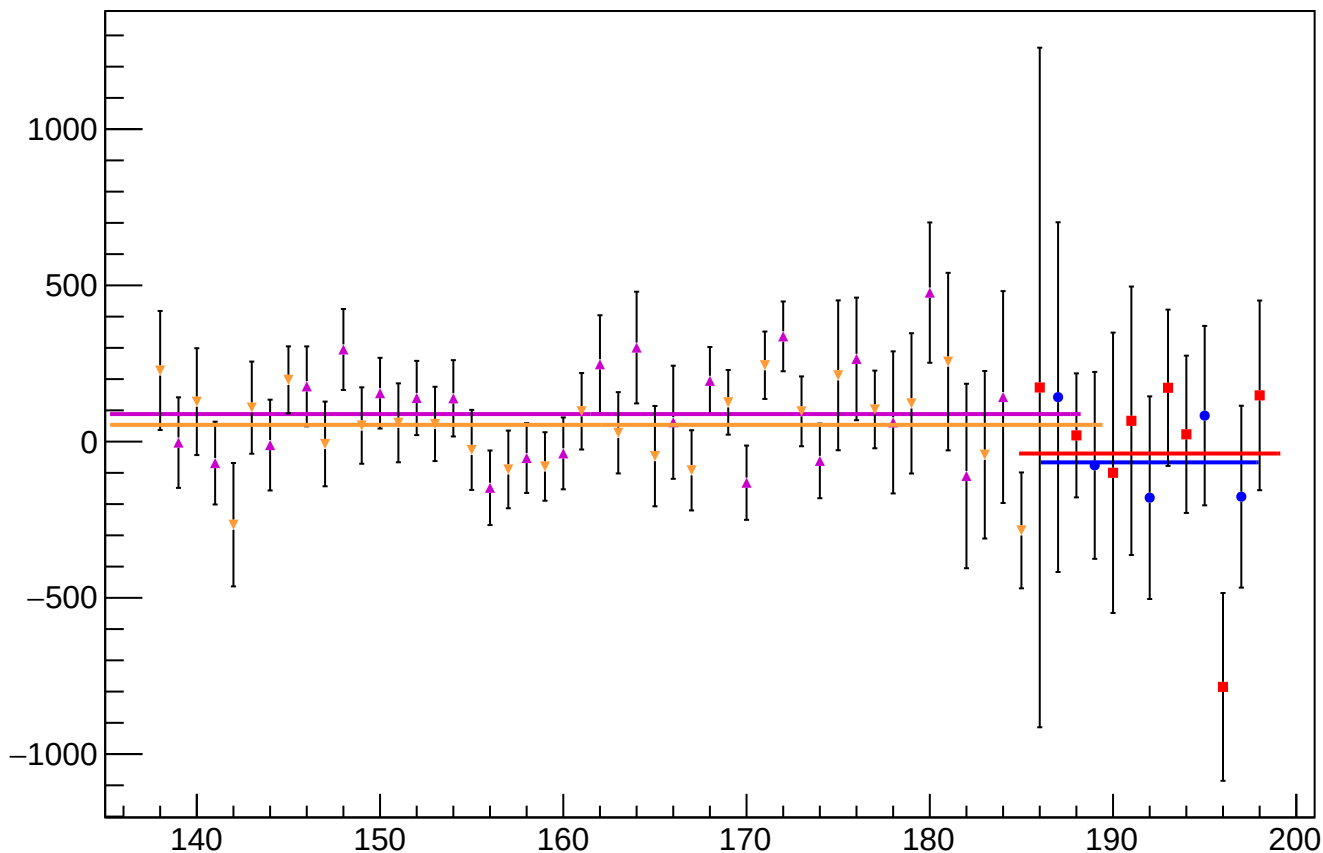
asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 1545.453+/-0.673 χ^2/NDF : 43397.5/4
 Left Out: 692.071+/-0.116 χ^2/NDF : 657636.6/24
 Right Out: 1534.306+/-0.498 χ^2/NDF : 471381.3/7
 Left In: 693.615+/-0.118 χ^2/NDF : 520692.6/22

Left: 692.827+/-0.083 χ^2/NDF : 1178416.7/47
 Right: 1538.253+/-0.400 χ^2/NDF : 514956.0/12
 In: 719.023+/-0.116 χ^2/NDF : 2118670.4/27
 Out: 735.067+/-0.113 χ^2/NDF : 3840733.2/32
 All: 727.301+/-0.081 χ^2/NDF : 5969236.6/60

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -66.383 ± 144.619 $\chi^2/\text{NDF}: 0.7/4$

Left Out: 53.701 ± 27.462 $\chi^2/\text{NDF}: 19.2/24$

Right Out: -38.127 ± 105.222 $\chi^2/\text{NDF}: 7.5/7$

Left In: 88.085 ± 28.764 $\chi^2/\text{NDF}: 30.4/22$

Left: 70.097 ± 19.863 $\chi^2/\text{NDF}: 50.3/47$

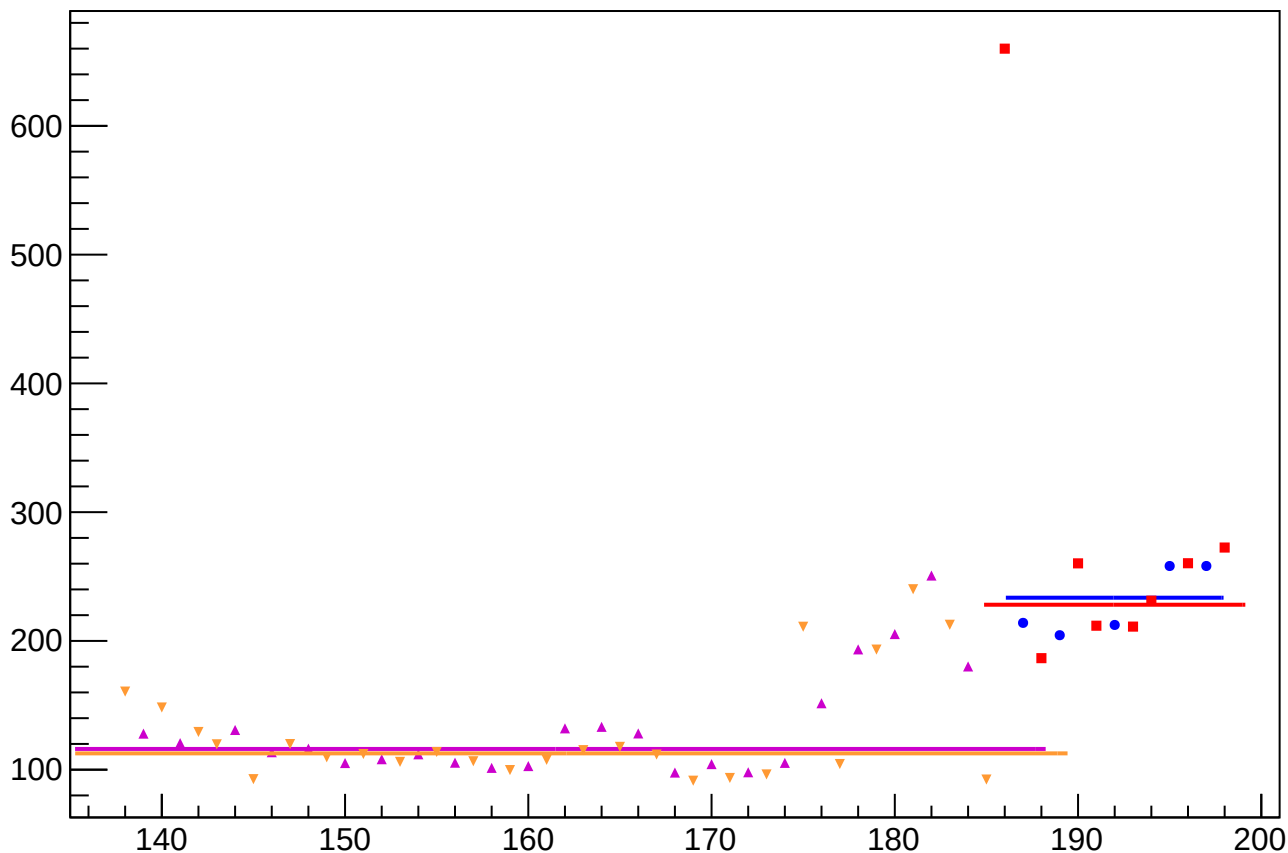
Right: -47.907 ± 85.084 $\chi^2/\text{NDF}: 8.2/12$

In: 82.207 ± 28.211 $\chi^2/\text{NDF}: 32.1/27$

Out: 47.845 ± 26.572 $\chi^2/\text{NDF}: 27.5/32$

All: 63.999 ± 19.343 $\chi^2/\text{NDF}: 60.4/60$

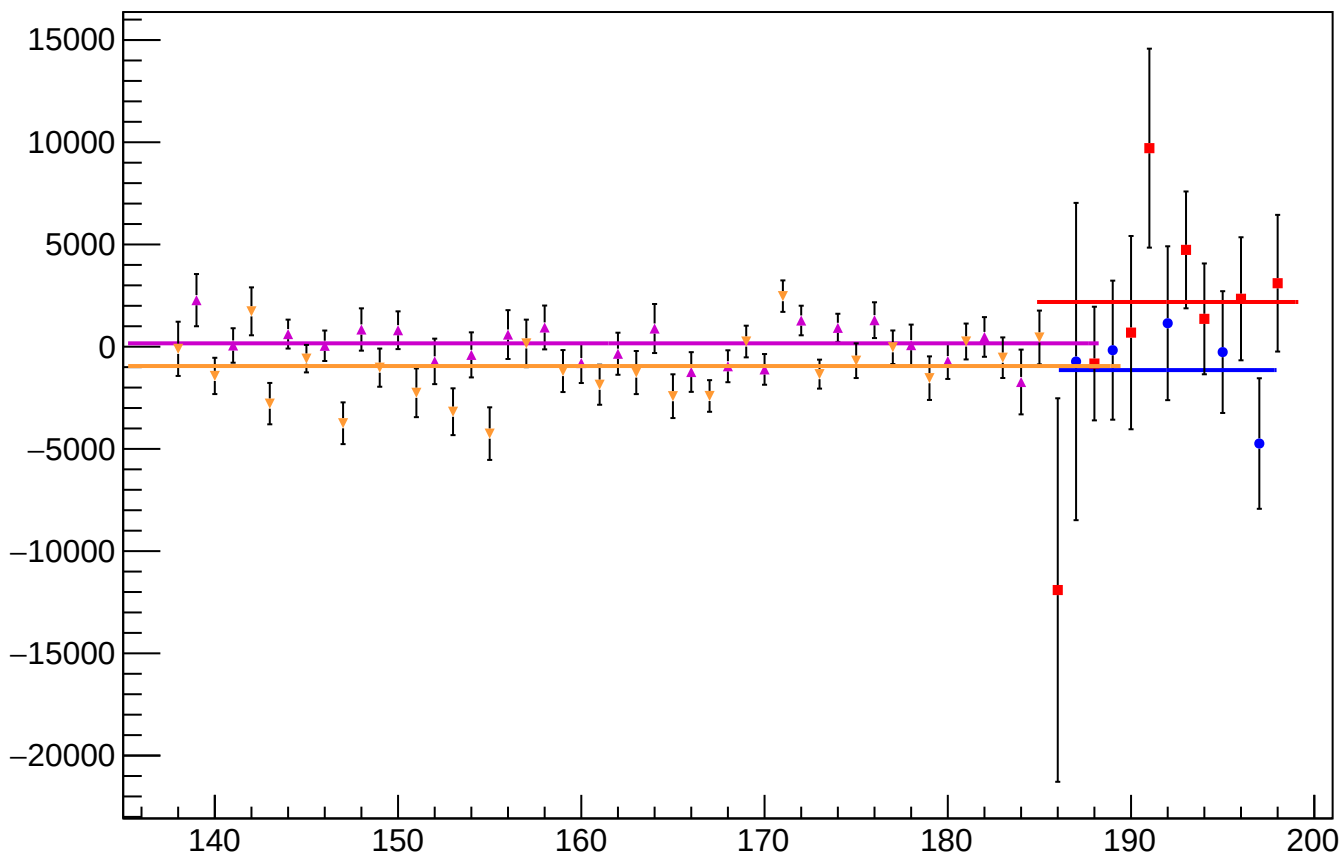
dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 233.569 $\pm$ 0.102 χ^2 /NDF: 58936.7/4
 Left Out: 112.668 $\pm$ 0.019 χ^2 /NDF:1851455.7/24
 Right Out: 228.110 $\pm$ 0.074 χ^2 /NDF: 491337.0/7
 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: 230.000 $\pm$ 0.060 χ^2 /NDF: 552137.7/12
 In: 120.577 $\pm$ 0.020 χ^2 /NDF:2767001.3/27
 Out: 120.030 $\pm$ 0.019 χ^2 /NDF:4596648.6/32
 All: 120.287 $\pm$ 0.014 χ^2 /NDF: 7364049.0/60

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -1144.666 $\pm$ 1612.704 χ^2 /NDF: 1.8/4

Left Out: -946.412 $\pm$ 188.668 χ^2 /NDF: 63.3/24

Right Out: 2186.434 $\pm$ 1207.172 χ^2 /NDF: 6.9/7

Left In: 164.202 $\pm$ 191.131 χ^2 /NDF: 22.0/22

Left: -398.306 $\pm$ 134.271 χ^2 /NDF: 102.4/47

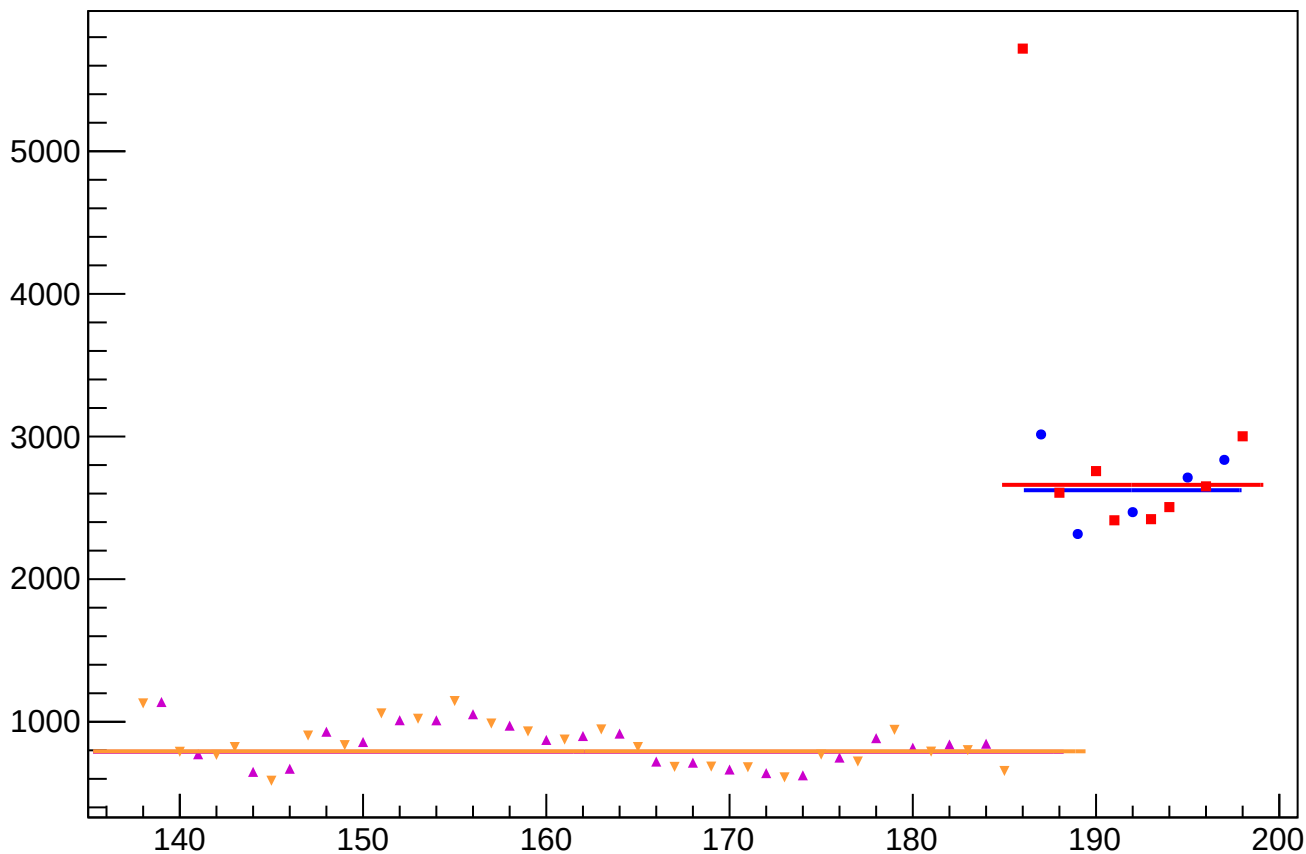
Right: 990.228 $\pm$ 966.415 χ^2 /NDF: 11.4/12

In: 146.072 $\pm$ 189.803 χ^2 /NDF: 24.5/27

Out: -871.713 $\pm$ 186.406 χ^2 /NDF: 76.8/32

All: -372.010 $\pm$ 132.993 χ^2 /NDF: 115.9/60

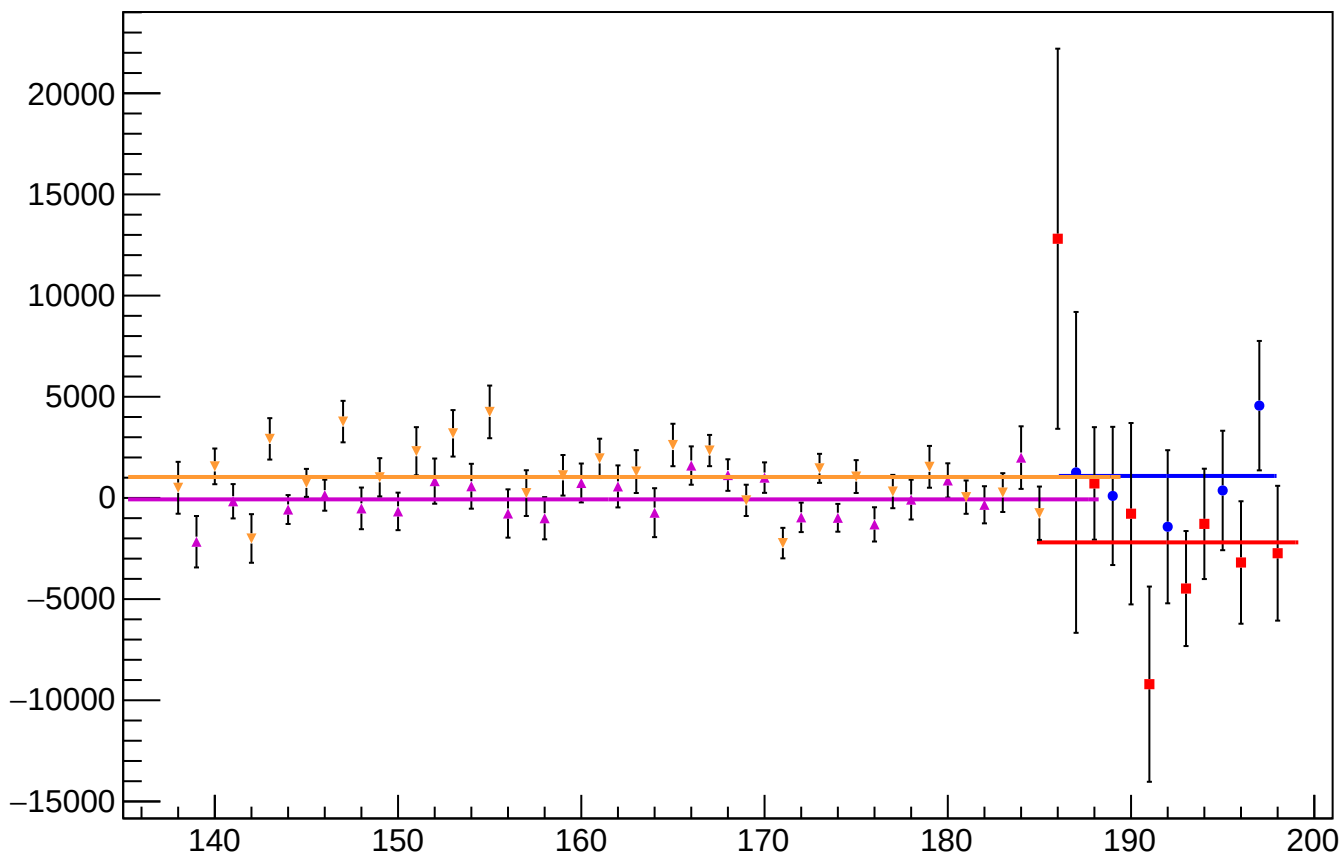
asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 2623.558+/-1.140 χ^2/NDF : 35372.6/4
 Left Out: 793.154+/-0.133 χ^2/NDF :1158856.1/24
 Right Out: 2661.288+/-0.854 χ^2/NDF : 261020.3/7
 Left In: 789.699+/-0.135 χ^2/NDF :1019959.0/22

Left: 791.449+/-0.095 χ^2/NDF : 2179146.2/47
 Right: 2647.739+/-0.683 χ^2/NDF : 297094.5/12
 In: 815.101+/-0.134 χ^2/NDF :3605653.9/27
 Out: 837.698+/-0.132 χ^2/NDF :6095357.6/32
 All: 826.603+/-0.094 χ^2/NDF : 9715442.4/60

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 1087.075+/-1613.642 χ^2/NDF : 1.8/4

Left Out: 1035.605+/-187.244 χ^2/NDF : 61.4/24

Right Out: -2196.421+/-1203.076 χ^2/NDF : 6.8/7

Left In: -70.852+/-190.155 χ^2/NDF : 23.4/22

Left: 490.913+/-133.419 χ^2/NDF : 101.9/47

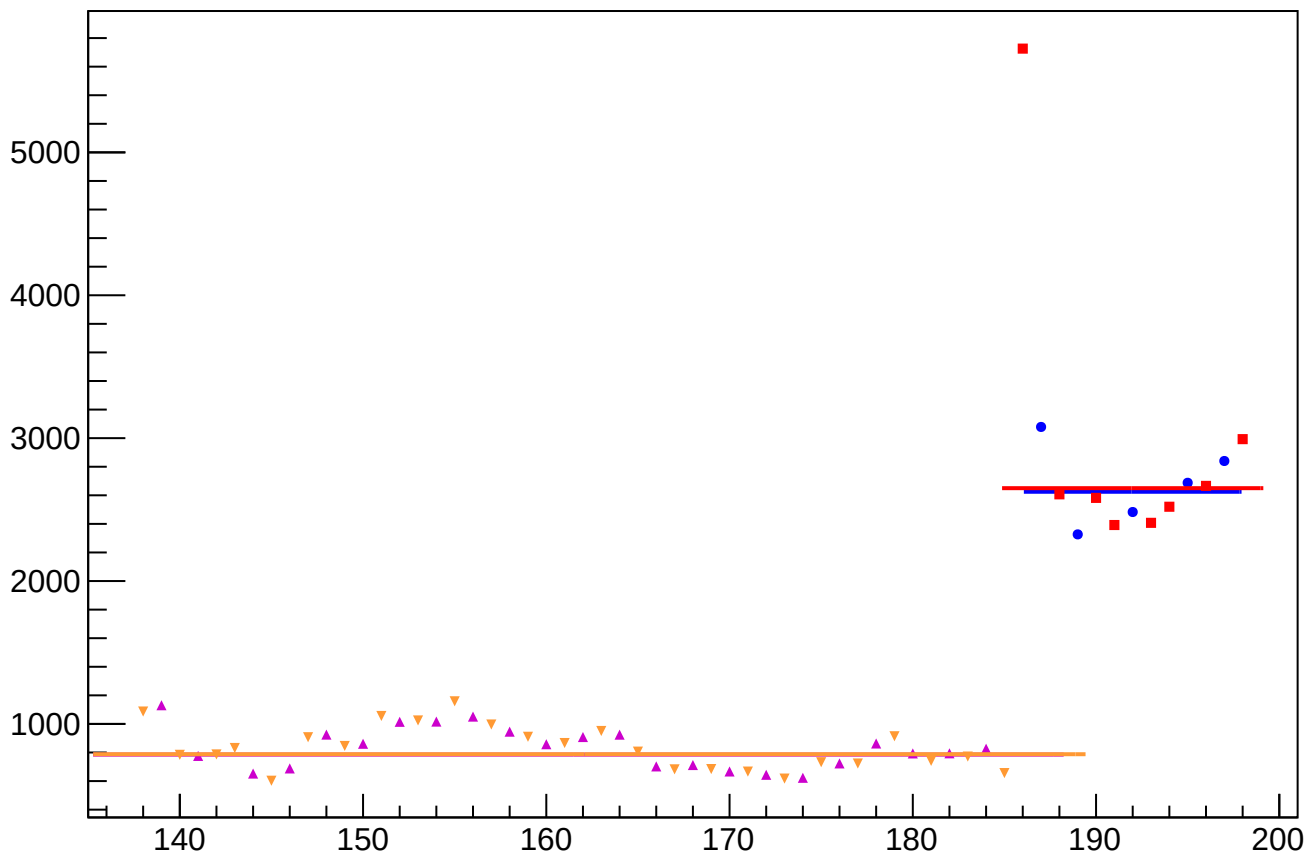
Right: -1023.319+/-964.510 χ^2/NDF : 11.2/12

In: -54.992+/-188.849 χ^2/NDF : 25.7/27

Out: 959.167+/-185.016 χ^2/NDF : 75.2/32

All: 462.483+/-132.160 χ^2/NDF : 115.5/60

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 2624.865 $\pm$ 1.141 χ^2 /NDF: 34585.5/4

Left Out: 787.981 $\pm$ 0.132 χ^2 /NDF:1113986.0/24

Right Out: 2649.941 $\pm$ 0.851 χ^2 /NDF: 261525.4/7

Left In: 785.179 $\pm$ 0.134 χ^2 /NDF:976942.0/22

Left: 786.602 $\pm$ 0.094 χ^2 /NDF: 2091148.6/47

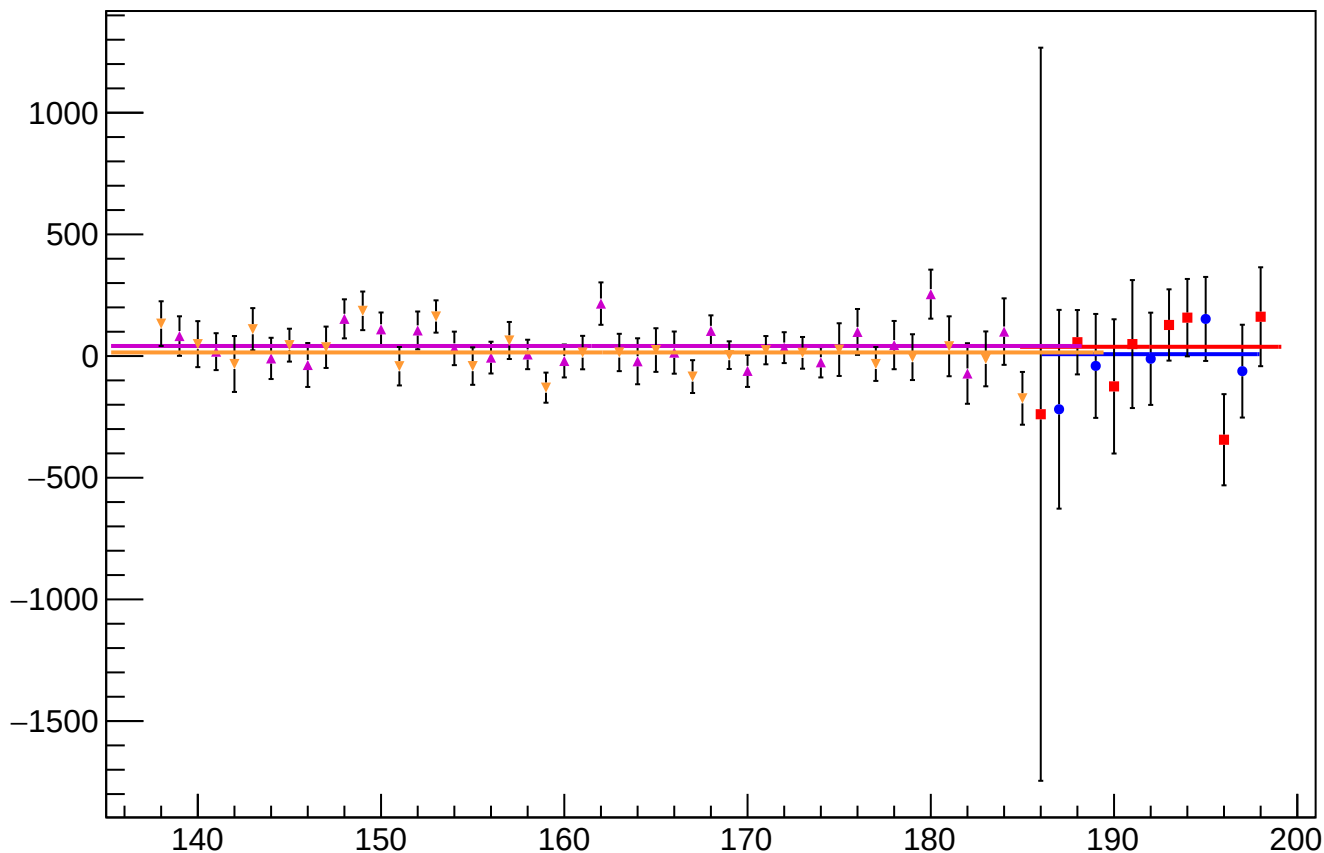
Right: 2640.982 $\pm$ 0.682 χ^2 /NDF: 296421.3/12

In: 810.376 $\pm$ 0.134 χ^2 /NDF:3575503.3/27

Out: 832.017 $\pm$ 0.131 χ^2 /NDF:6052754.8/32

All: 821.418 $\pm$ 0.093 χ^2 /NDF: 9641658.2/60

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 7.749 $\pm$ 92.531 χ^2 /NDF: 1.2/4

Left Out: 14.879 $\pm$ 15.529 χ^2 /NDF:25.8/24

Right Out: 38.105 $\pm$ 66.806 χ^2 /NDF: 5.9/7

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

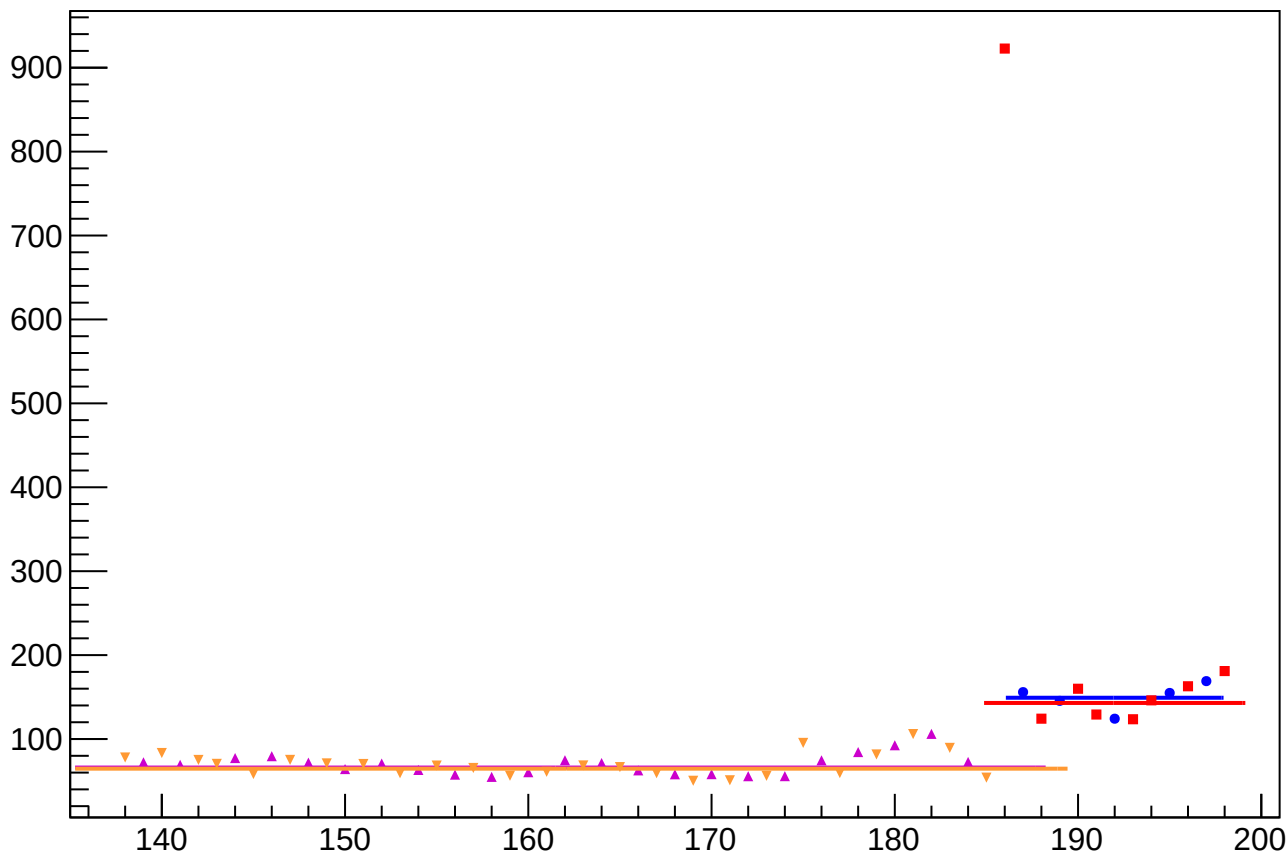
Right: 27.703 $\pm$ 54.164 χ^2 /NDF: 7.1/12

In: 40.435 $\pm$ 15.891 χ^2 /NDF:23.0/27

Out: 16.070 $\pm$ 15.126 χ^2 /NDF:31.8/32

All: 27.652 $\pm$ 10.956 χ^2 /NDF: 56.1/60

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 149.197 $\pm$ 0.065 χ^2 /NDF: 59600.2/4

Left Out: 64.680 $\pm$ 0.011 χ^2 /NDF: 1150386.4/24

Right Out: 142.986 $\pm$ 0.047 χ^2 /NDF: 717547.3/7

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

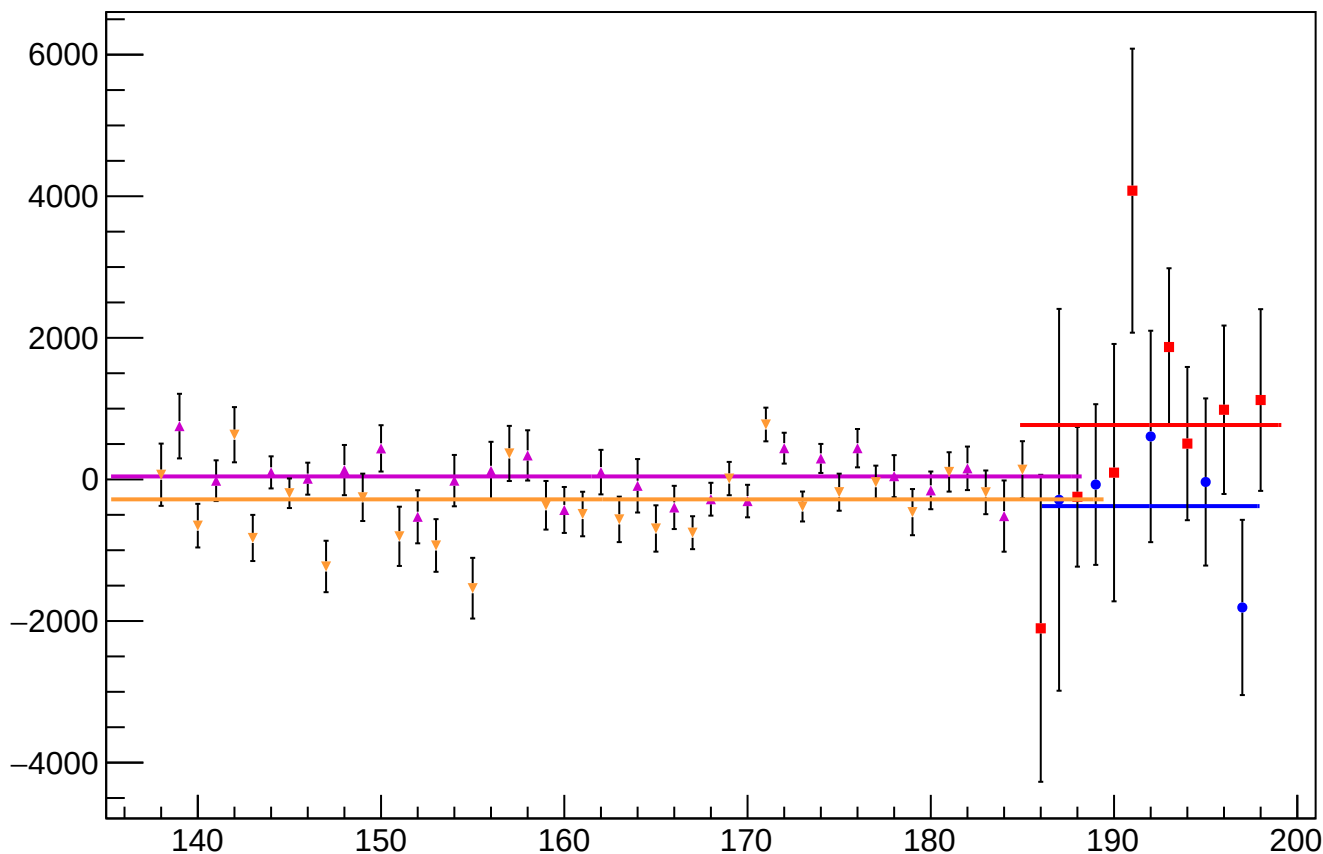
Right: 145.114 $\pm$ 0.038 χ^2 /NDF: 783071.6/12

In: 68.469 $\pm$ 0.011 χ^2 /NDF: 2496604.5/27

Out: 68.694 $\pm$ 0.011 χ^2 /NDF: 4474917.7/32

All: 68.587 $\pm$ 0.008 χ^2 /NDF: 6971732.6/60

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -376.893 ± 604.906 χ^2/NDF : 1.9/4

Left Out: -281.407 ± 59.534 χ^2/NDF : 66.5/24

Right Out: 768.680 ± 458.071 χ^2/NDF : 6.8/7

Left In: 42.368 ± 60.284 χ^2/NDF : 24.7/22

Left: -121.547 ± 42.360 χ^2/NDF : 105.8/47

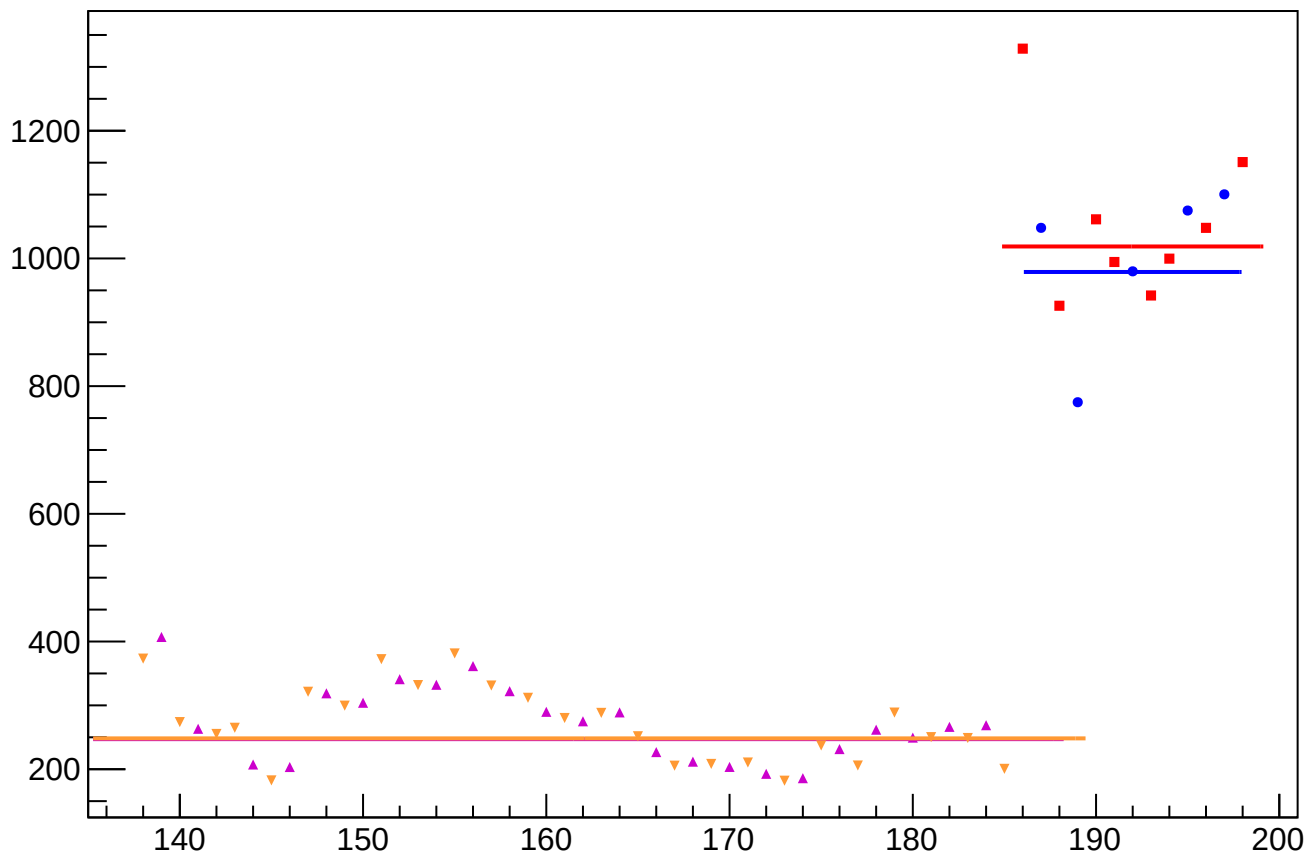
Right: 351.175 ± 365.180 χ^2/NDF : 11.0/12

In: 38.245 ± 59.987 χ^2/NDF : 27.1/27

Out: -263.964 ± 59.037 χ^2/NDF : 78.4/32

All: -115.271 ± 42.077 χ^2/NDF : 118.4/60

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 978.802 $\pm$ 0.428 χ^2 /NDF: 98531.6/4

Left Out: 248.297 $\pm$ 0.042 χ^2 /NDF:1687698.9/24

Right Out: 1018.748 $\pm$ 0.324 χ^2 /NDF: 92502.2/7

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

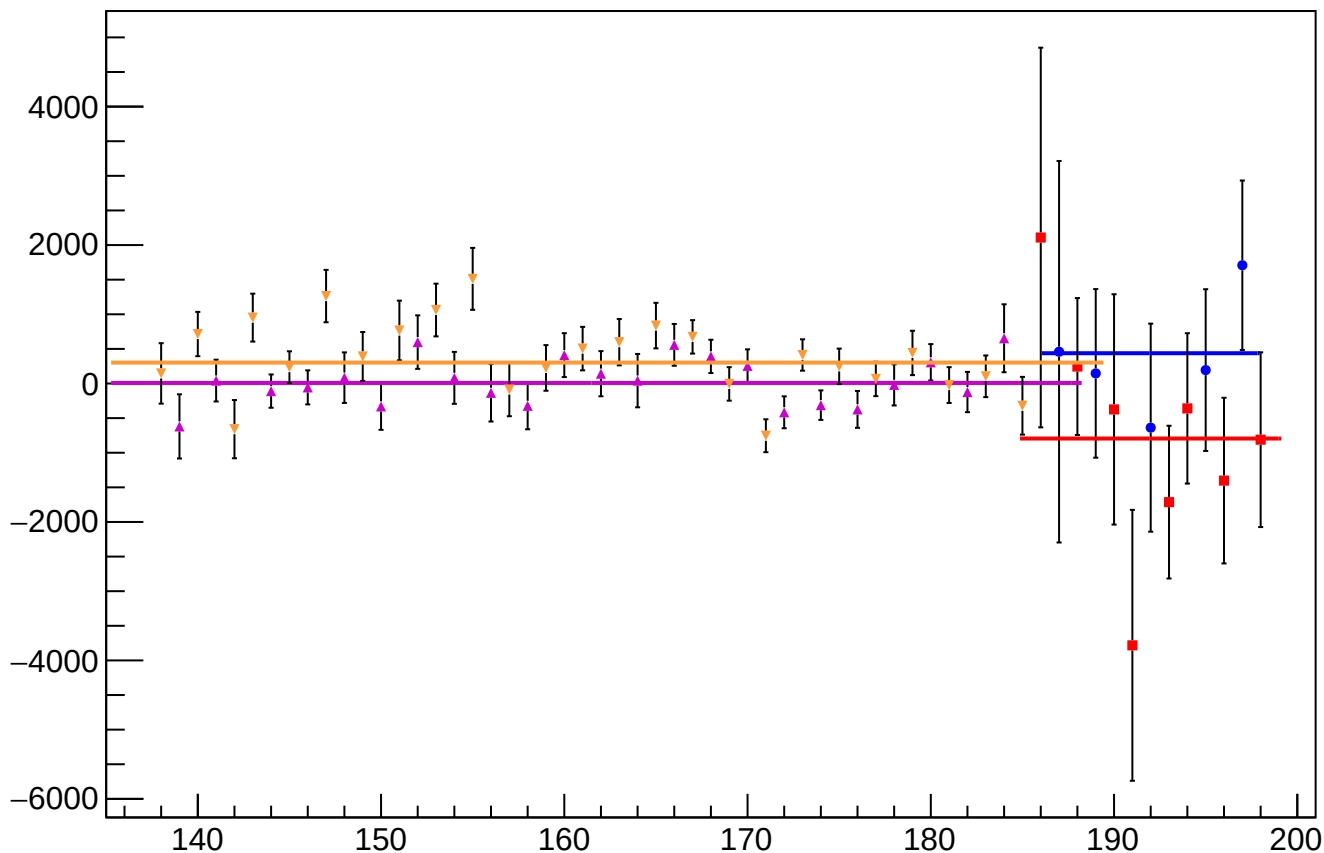
Right: 1004.190 $\pm$ 0.258 χ^2 /NDF: 196576.6/12

In: 254.301 $\pm$ 0.042 χ^2 /NDF:4535367.5/27

Out: 261.094 $\pm$ 0.042 χ^2 /NDF:7344104.6/32

All: 257.752 $\pm$ 0.030 χ^2 /NDF: 11892501.6/60

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 437.689+/-614.400 χ^2/NDF : 1.7/4

Left Out: 302.420+/-60.991 χ^2/NDF : 63.8/24

Right Out: -794.786+/-457.710 χ^2/NDF : 5.7/7

Left In: 7.915+/-61.726 χ^2/NDF : 26.3/22

Left: 156.931+/-43.384 χ^2/NDF : 101.6/47

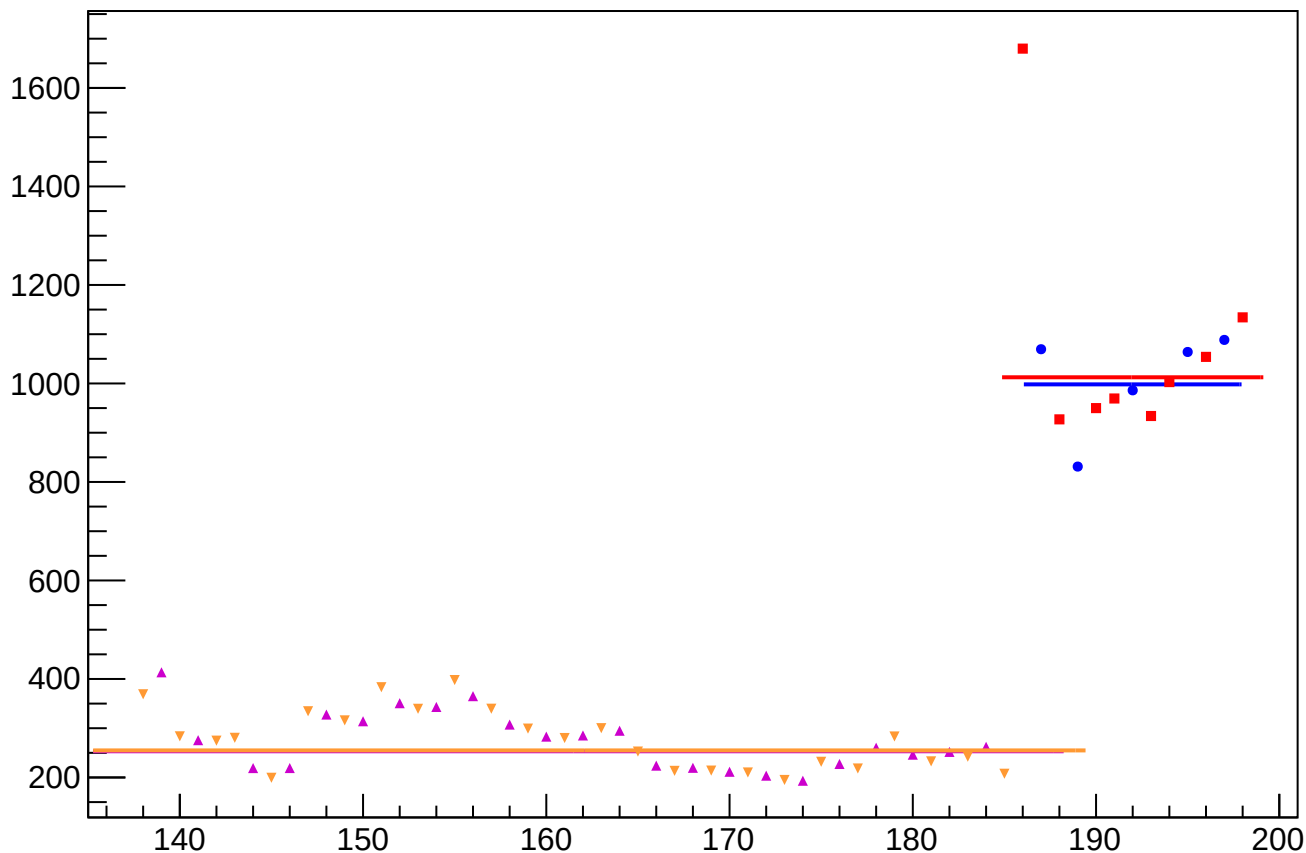
Right: -354.909+/-367.052 χ^2/NDF : 10.0/12

In: 12.209+/-61.416 χ^2/NDF : 28.5/27

Out: 283.278+/-60.456 χ^2/NDF : 75.2/32

All: 149.879+/-43.084 χ^2/NDF : 113.6/60

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 998.144 $\pm$ 0.434 χ^2 /NDF: 56262.4/4

Left Out: 254.937 $\pm$ 0.043 χ^2 /NDF:1541708.7/24

Right Out: 1012.532 $\pm$ 0.324 χ^2 /NDF: 168431.6/7

Left In: 253.170 $\pm$ 0.044 χ^2 /NDF:1366527.6/22

Left: 254.064 $\pm$ 0.031 χ^2 /NDF: 2909065.8/47

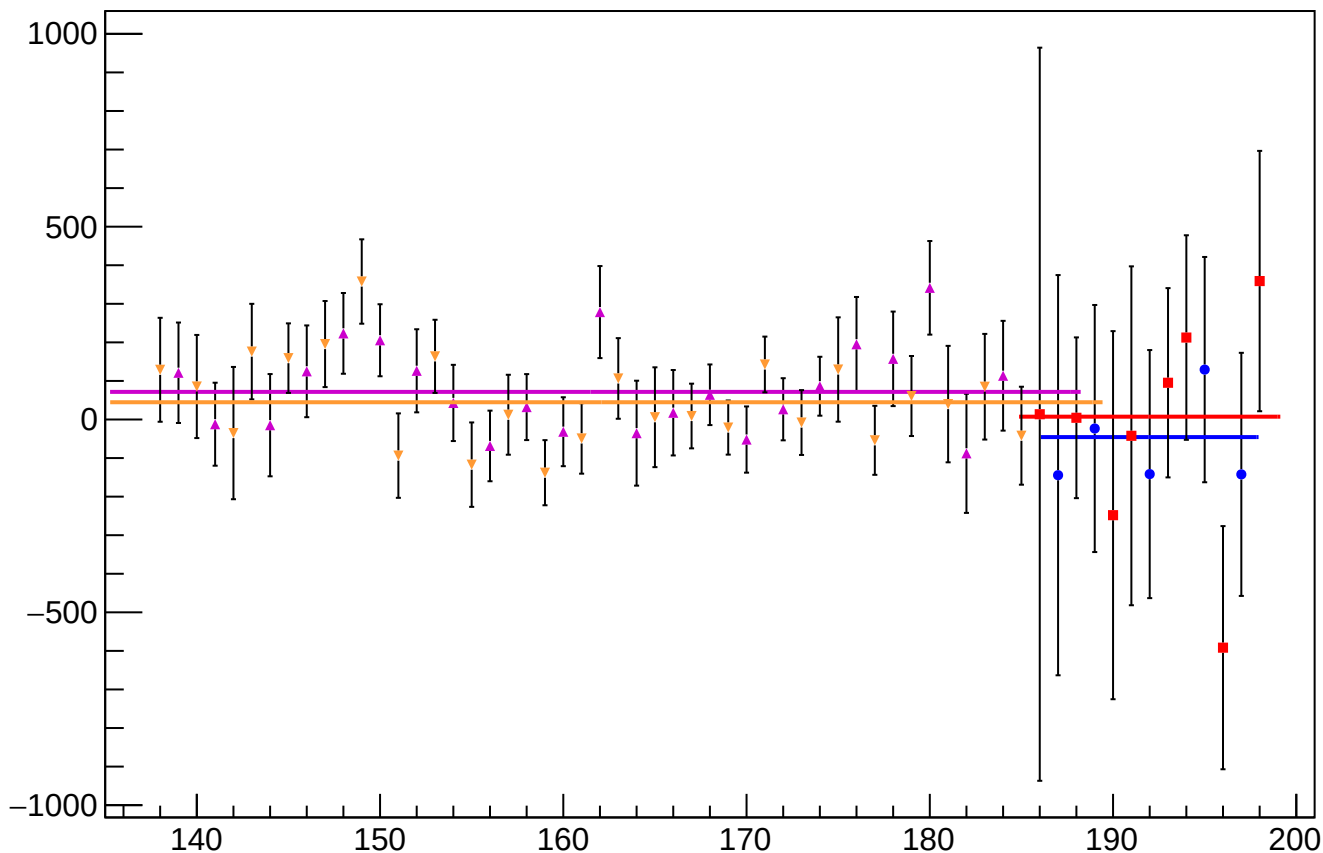
Right: 1007.397 $\pm$ 0.260 χ^2 /NDF: 225399.4/12

In: 260.614 $\pm$ 0.043 χ^2 /NDF:4333826.4/27

Out: 268.155 $\pm$ 0.043 χ^2 /NDF:7093818.0/32

All: 264.444 $\pm$ 0.030 χ^2 /NDF: 11442955.7/60

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: -45.605 $\pm$ 149.217 χ^2 /NDF: 0.6/4

Left Out: 44.746 $\pm$ 20.460 χ^2 /NDF:30.5/24

Right Out: 7.332 $\pm$ 109.529 χ^2 /NDF: 5.7/7

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

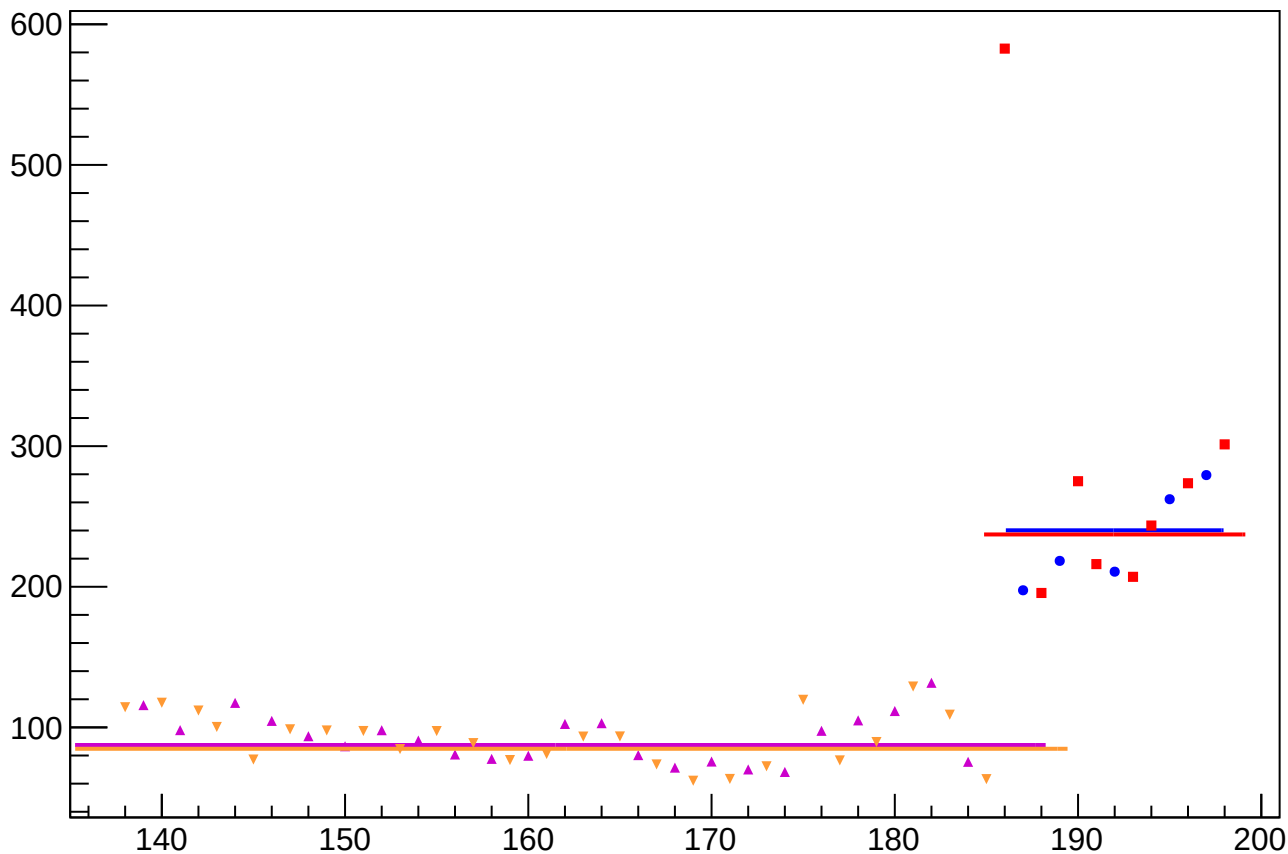
Right: -11.203 $\pm$ 88.296 χ^2 /NDF: 6.4/12

In: 69.243 $\pm$ 21.250 χ^2 /NDF:24.8/27

Out: 43.485 $\pm$ 20.112 χ^2 /NDF:36.4/32

All: 55.655 $\pm$ 14.607 χ^2 /NDF: 62.0/60

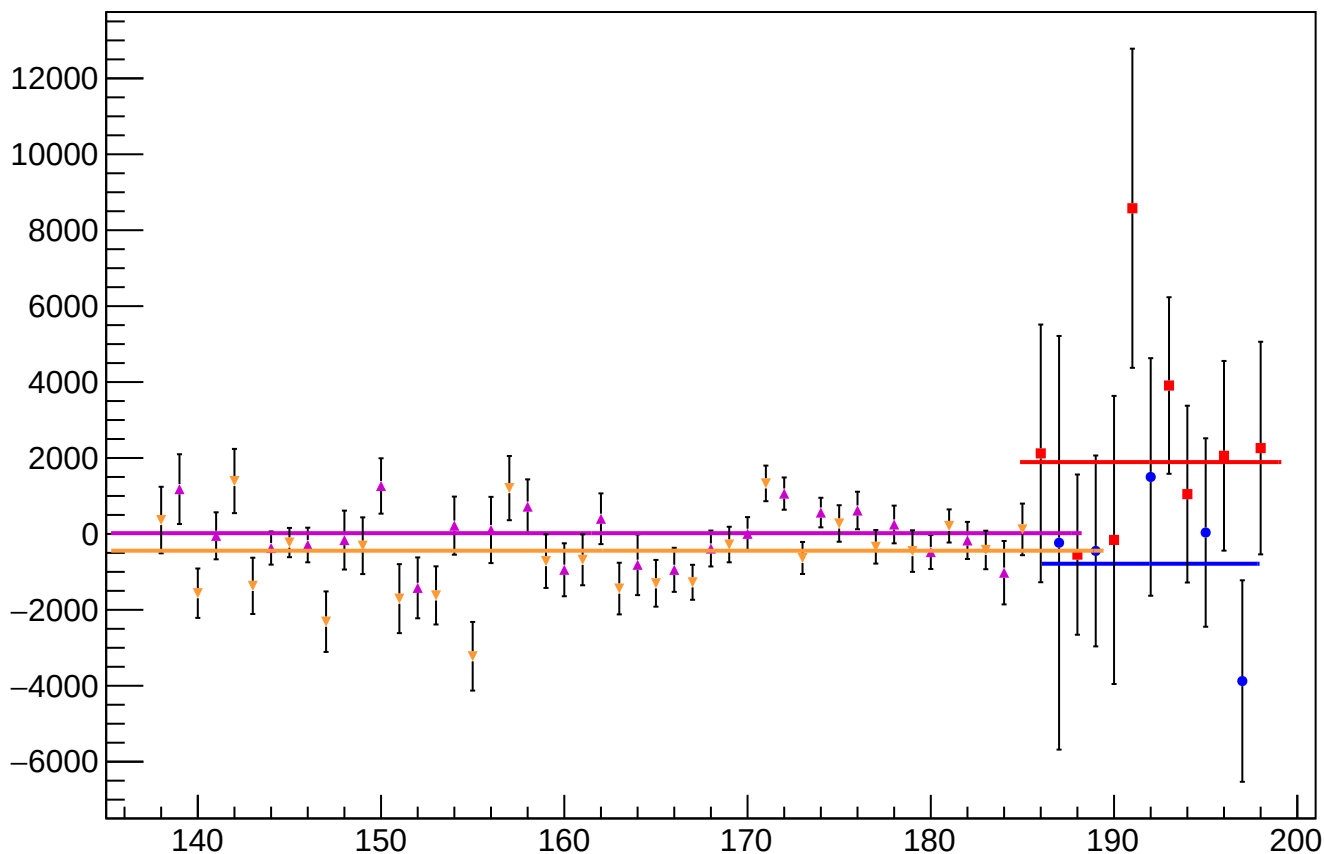
dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 240.151 $\pm$ 0.106 χ^2 /NDF: 81975.7/4
 Left Out: 84.793 $\pm$ 0.014 χ^2 /NDF:1382881.3/24
 Right Out: 237.205 $\pm$ 0.077 χ^2 /NDF: 491185.5/7
 Left In: 87.477 $\pm$ 0.015 χ^2 /NDF:1056450.2/22

Left: 86.070 $\pm$ 0.010 χ^2 /NDF: 2455720.1/47
 Right: 238.237 $\pm$ 0.062 χ^2 /NDF: 573667.7/12
 In: 90.574 $\pm$ 0.015 χ^2 /NDF:3189702.1/27
 Out: 89.931 $\pm$ 0.014 χ^2 /NDF:5616186.1/32
 All: 90.235 $\pm$ 0.010 χ^2 /NDF: 8806851.4/60

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: -785.497 ± 1292.828 $\chi^2/\text{NDF}: 2.0/4$

Left Out: -442.284 ± 115.425 $\chi^2/\text{NDF}: 60.9/24$

Right Out: 1891.753 ± 955.885 $\chi^2/\text{NDF}: 5.1/7$

Left In: 19.322 ± 116.820 $\chi^2/\text{NDF}: 29.5/22$

Left: -214.255 ± 82.107 $\chi^2/\text{NDF}: 98.3/47$

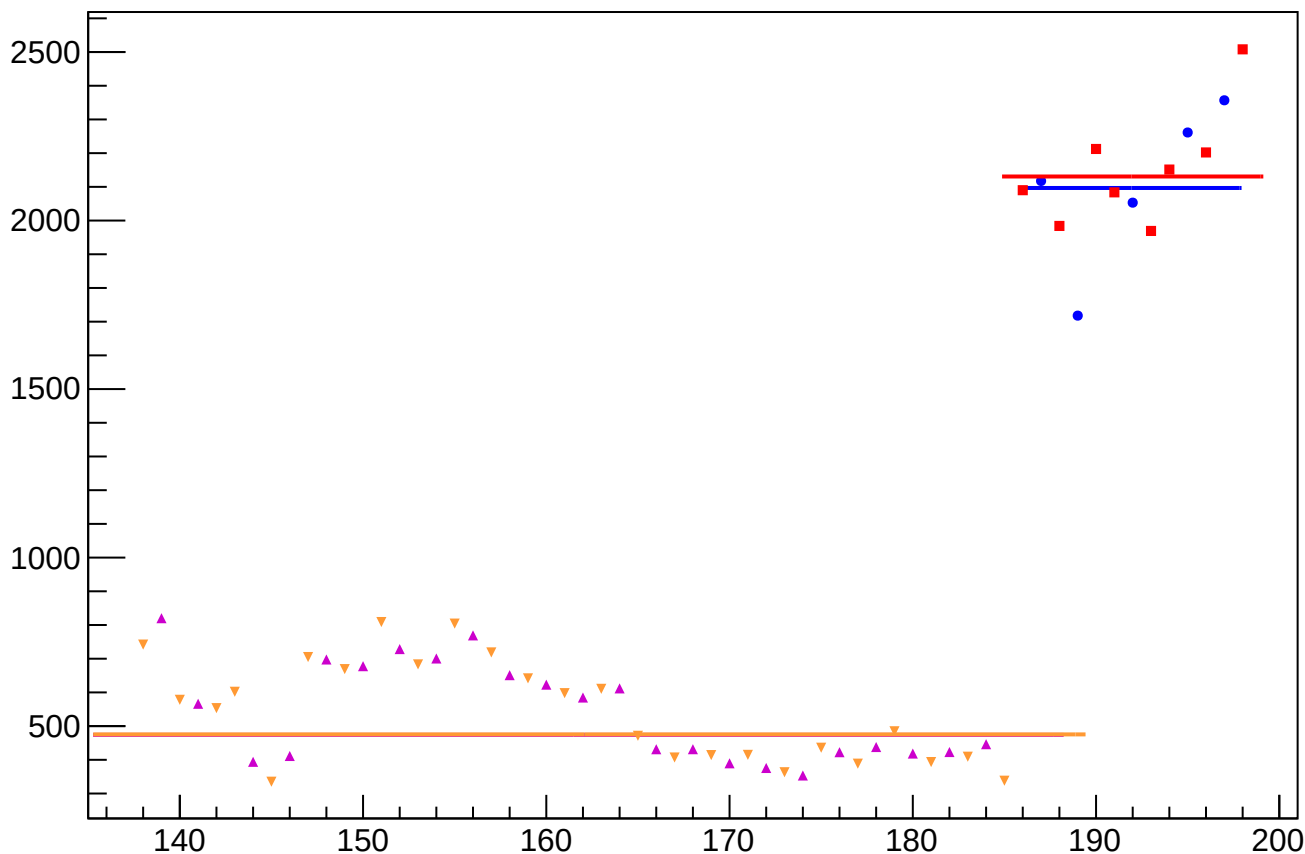
Right: 945.473 ± 768.610 $\chi^2/\text{NDF}: 9.9/12$

In: 12.803 ± 116.346 $\chi^2/\text{NDF}: 31.9/27$

Out: -408.741 ± 114.592 $\chi^2/\text{NDF}: 71.9/32$

All: -201.170 ± 81.642 $\chi^2/\text{NDF}: 110.4/60$

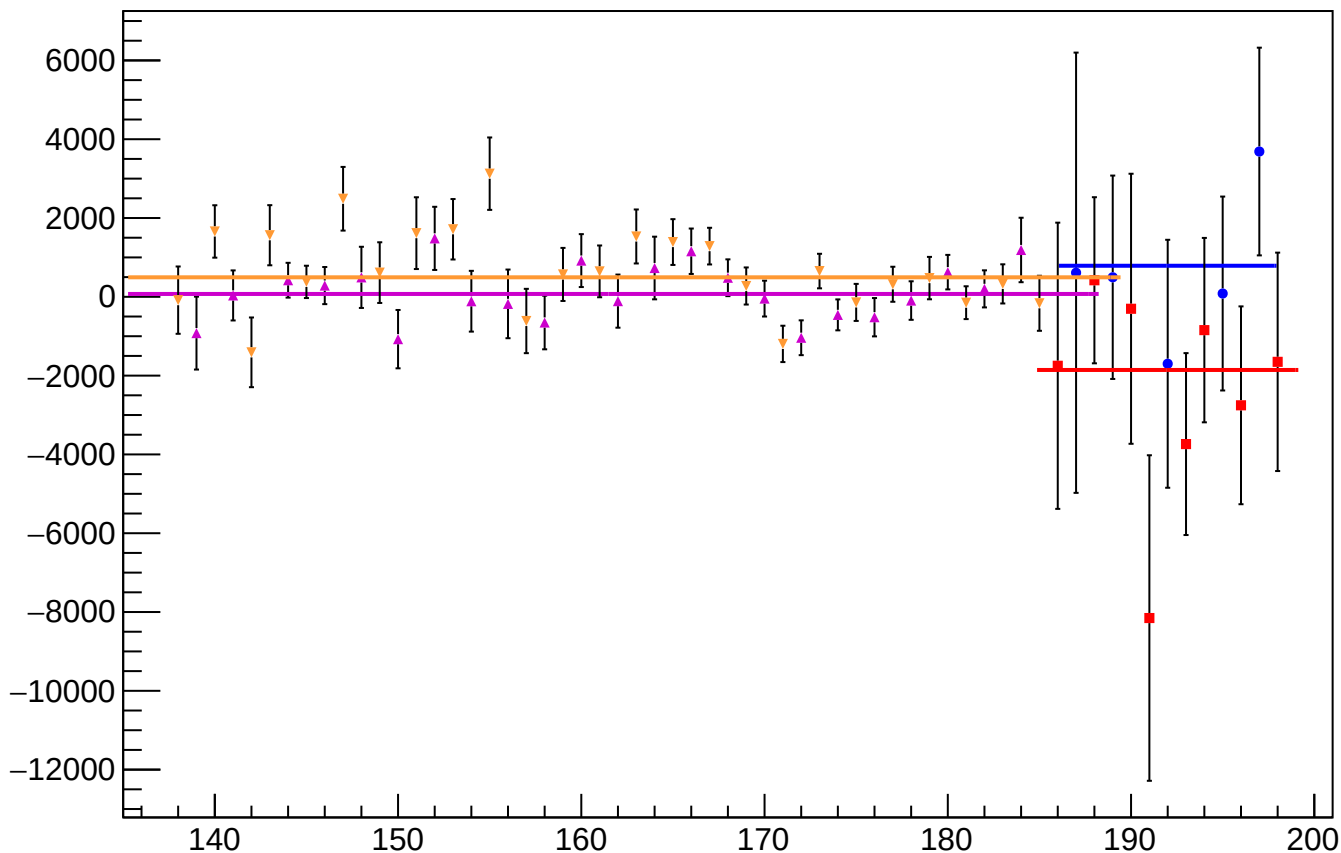
asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 2096.670+/-0.914 χ^2/NDF : 73824.1/4
 Left Out: 475.415+/-0.082 χ^2/NDF : 2509706.1/24
 Right Out: 2130.740+/-0.676 χ^2/NDF : 58872.2/7
 Left In: 473.947+/-0.083 χ^2/NDF : 2174476.6/22

Left: 474.690+/-0.058 χ^2/NDF : 4684342.6/47
 Right: 2118.698+/-0.543 χ^2/NDF : 133594.4/12
 In: 487.089+/-0.082 χ^2/NDF : 5373704.5/27
 Out: 499.205+/-0.081 χ^2/NDF : 8480085.2/32
 All: 493.239+/-0.058 χ^2/NDF : 13864798.6/60

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 788.593+/-1299.469 χ^2/NDF : 1.9/4

Left Out: 495.259+/-115.521 χ^2/NDF : 57.2/24

Right Out: -1856.491+/-951.884 χ^2/NDF : 4.7/7

Left In: 72.627+/-116.927 χ^2/NDF : 29.1/22

Left: 286.499+/-82.178 χ^2/NDF : 92.8/47

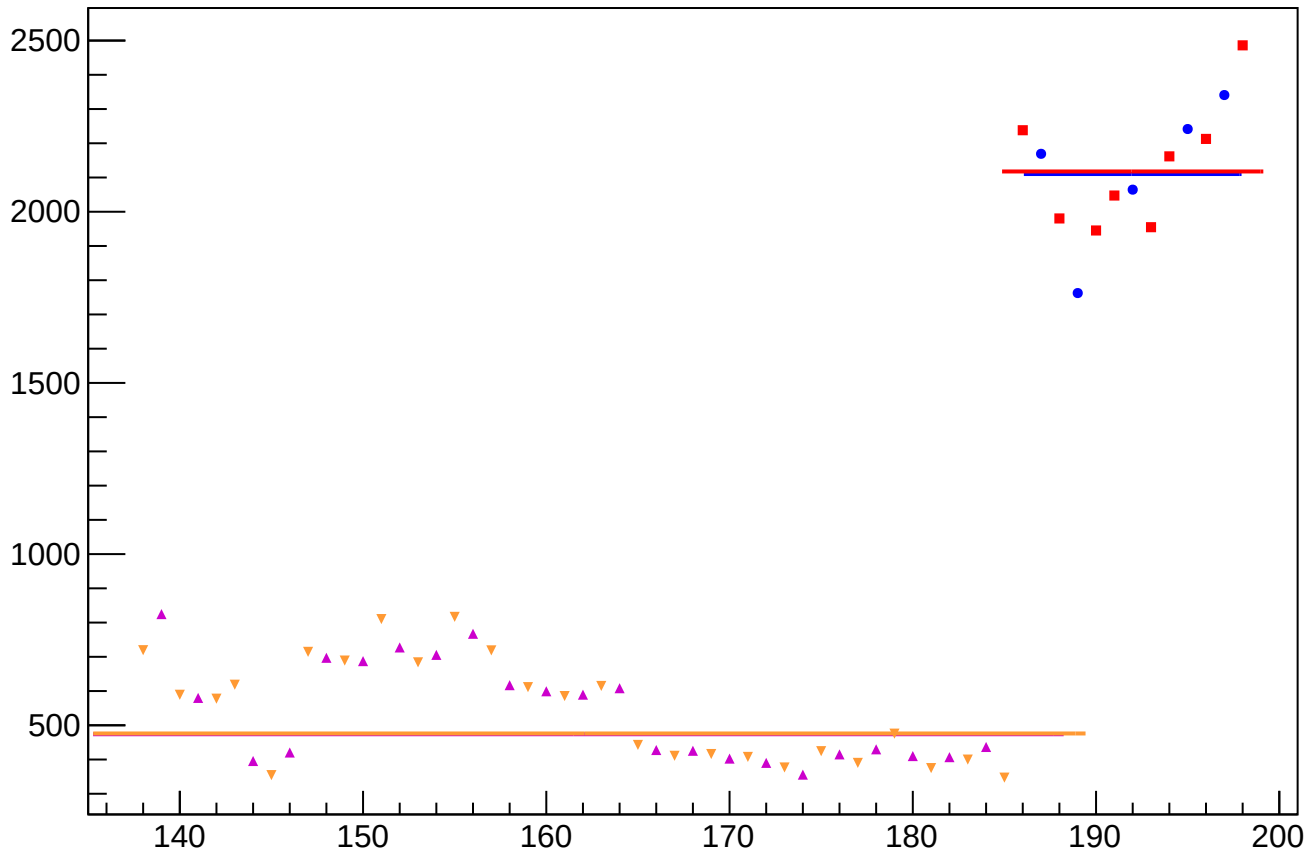
Right: -932.814+/-767.903 χ^2/NDF : 9.3/12

In: 78.378+/-116.457 χ^2/NDF : 31.3/27

Out: 461.124+/-114.680 χ^2/NDF : 67.9/32

All: 272.693+/-81.712 χ^2/NDF : 104.6/60

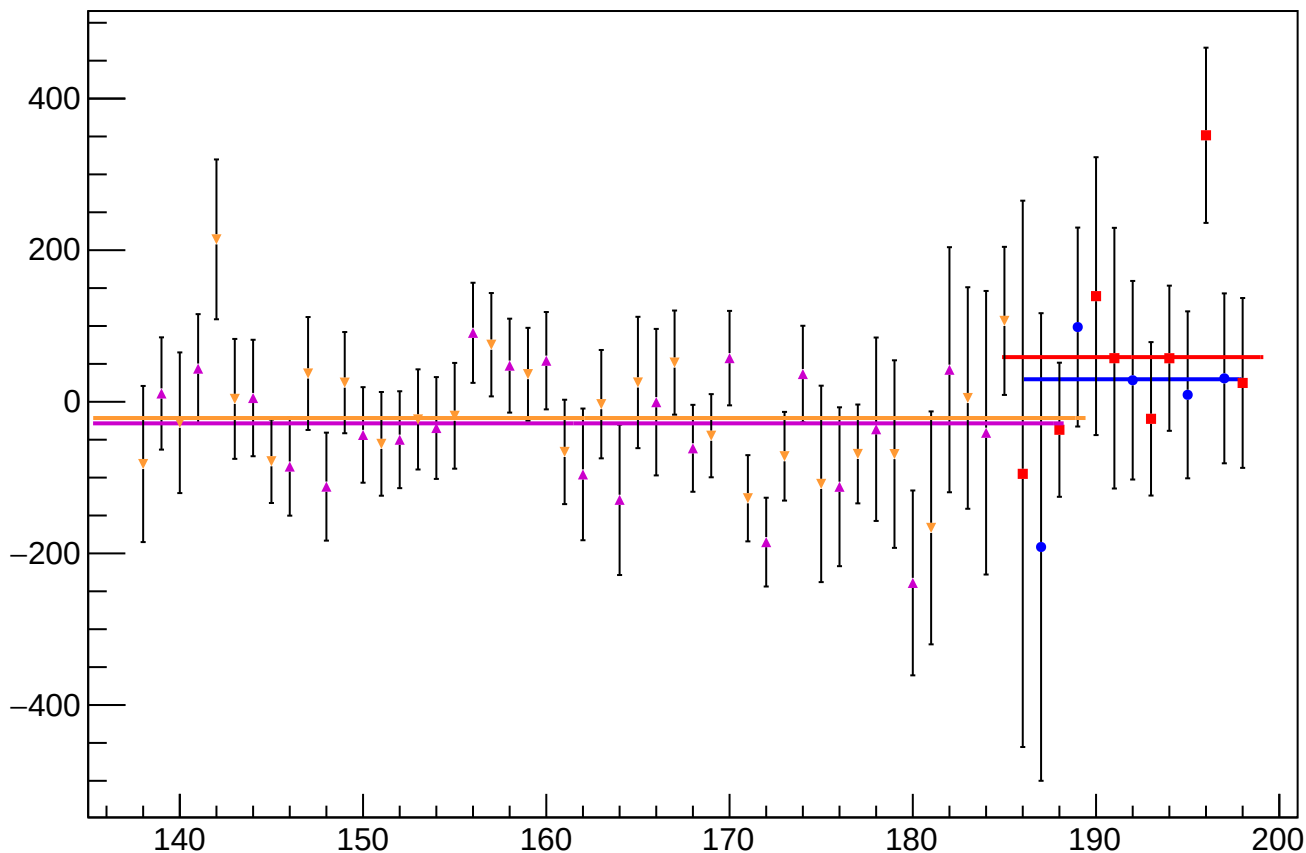
asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 2110.175 $\pm$ 0.919 χ^2/NDF : 57964.9/4
 Left Out: 476.057 $\pm$ 0.082 χ^2/NDF : 2461838.6/24
 Right Out: 2117.650 $\pm$ 0.673 χ^2/NDF : 65176.0/7
 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: 2115.040 $\pm$ 0.543 χ^2/NDF : 123184.0/12
 In: 486.966 $\pm$ 0.082 χ^2/NDF : 5317647.1/27
 Out: 499.884 $\pm$ 0.081 χ^2/NDF : 8388974.4/32
 All: 493.524 $\pm$ 0.058 χ^2/NDF : 13719114.9/60

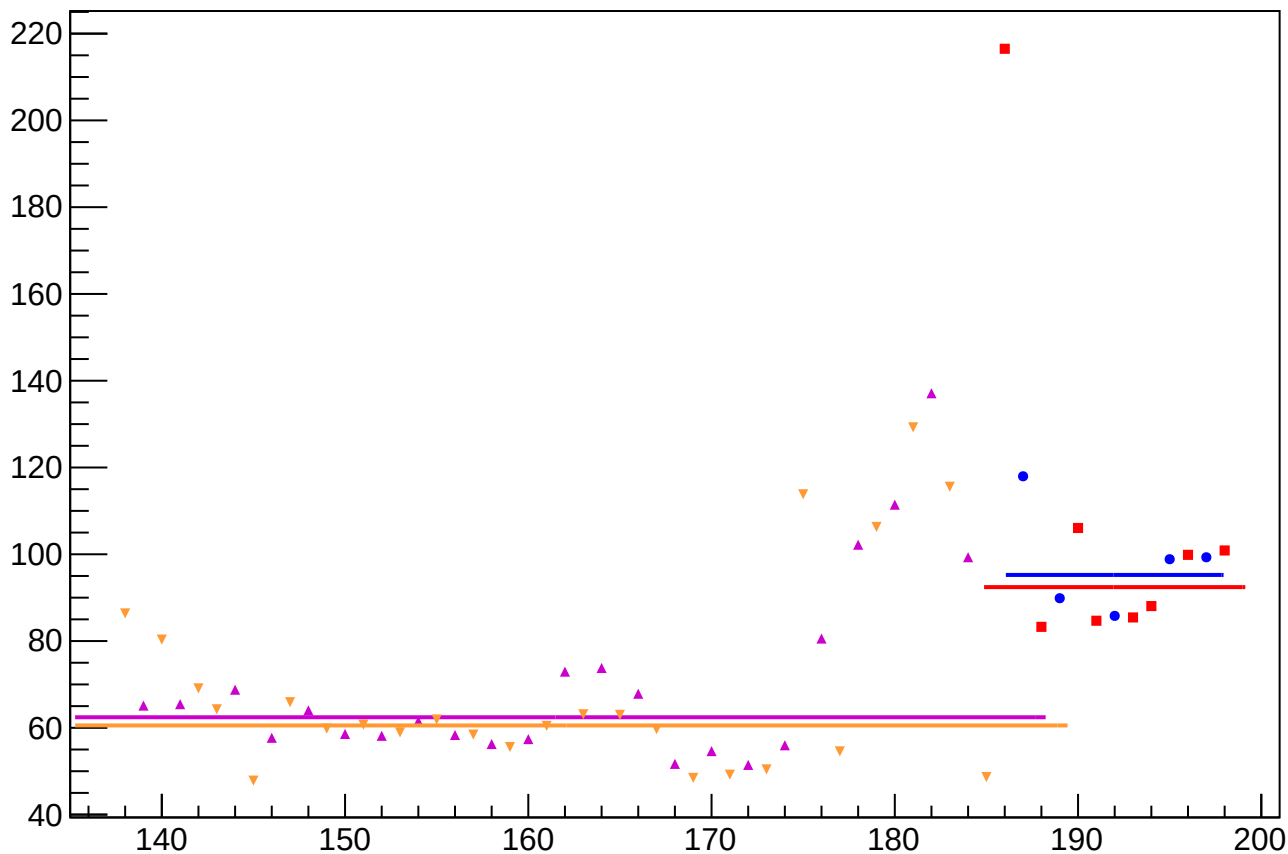
dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 29.731 $\pm$ 58.833 χ^2 /NDF: 0.8/4
 Left Out: -21.397 $\pm$ 14.800 χ^2 /NDF:20.9/24
 Right Out: 58.942 $\pm$ 42.247 χ^2 /NDF: 8.7/7
 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: 49.004 $\pm$ 34.316 χ^2 /NDF: 9.7/12
 In: -24.662 $\pm$ 14.983 χ^2 /NDF:28.0/27
 Out: -12.616 $\pm$ 13.967 χ^2 /NDF:32.8/32
 All: -18.217 $\pm$ 10.217 χ^2 /NDF: 61.1/60

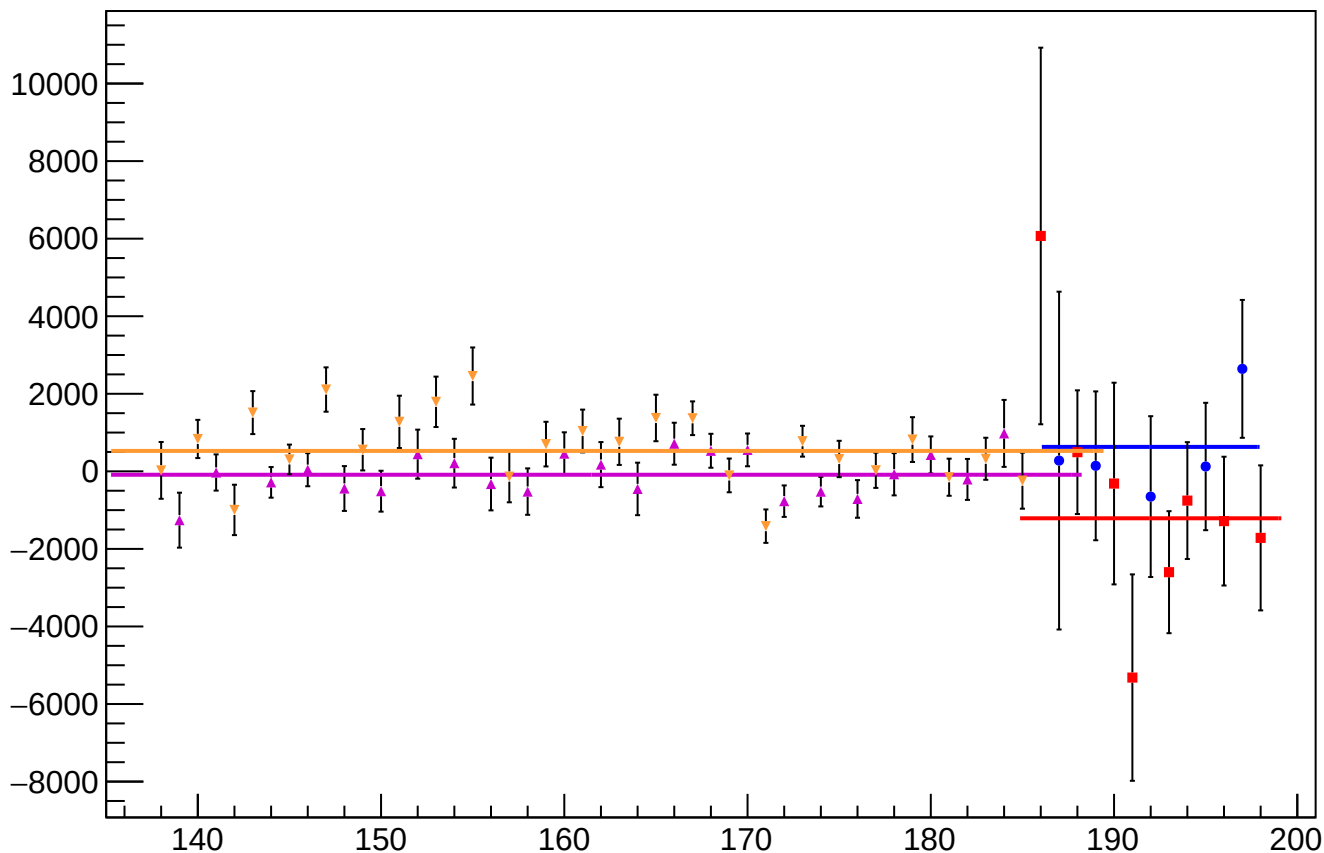
dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 95.239 $\pm$ 0.042 χ^2/NDF : 29394.4/4
 Left Out: 60.551 $\pm$ 0.010 χ^2/NDF :1951663.1/24
 Right Out: 92.431 $\pm$ 0.030 χ^2/NDF : 307016.3/7
 Left In: 62.435 $\pm$ 0.011 χ^2/NDF :1445748.2/22

Left: 61.450 $\pm$ 0.008 χ^2/NDF : 3412871.1/47
 Right: 93.387 $\pm$ 0.024 χ^2/NDF : 339416.8/12
 In: 64.562 $\pm$ 0.011 χ^2/NDF :2056634.7/27
 Out: 64.035 $\pm$ 0.010 χ^2/NDF :3273080.7/32
 All: 64.280 $\pm$ 0.007 χ^2/NDF : 5331037.9/60

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 630.429+/-896.608 χ^2/NDF : 1.8/4

Left Out: 526.705+/-105.414 χ^2/NDF : 65.0/24

Right Out: -1210.668+/-671.443 χ^2/NDF : 6.8/7

Left In: -87.989+/-106.843 χ^2/NDF : 22.1/22

Left: 223.494+/-75.039 χ^2/NDF : 103.9/47

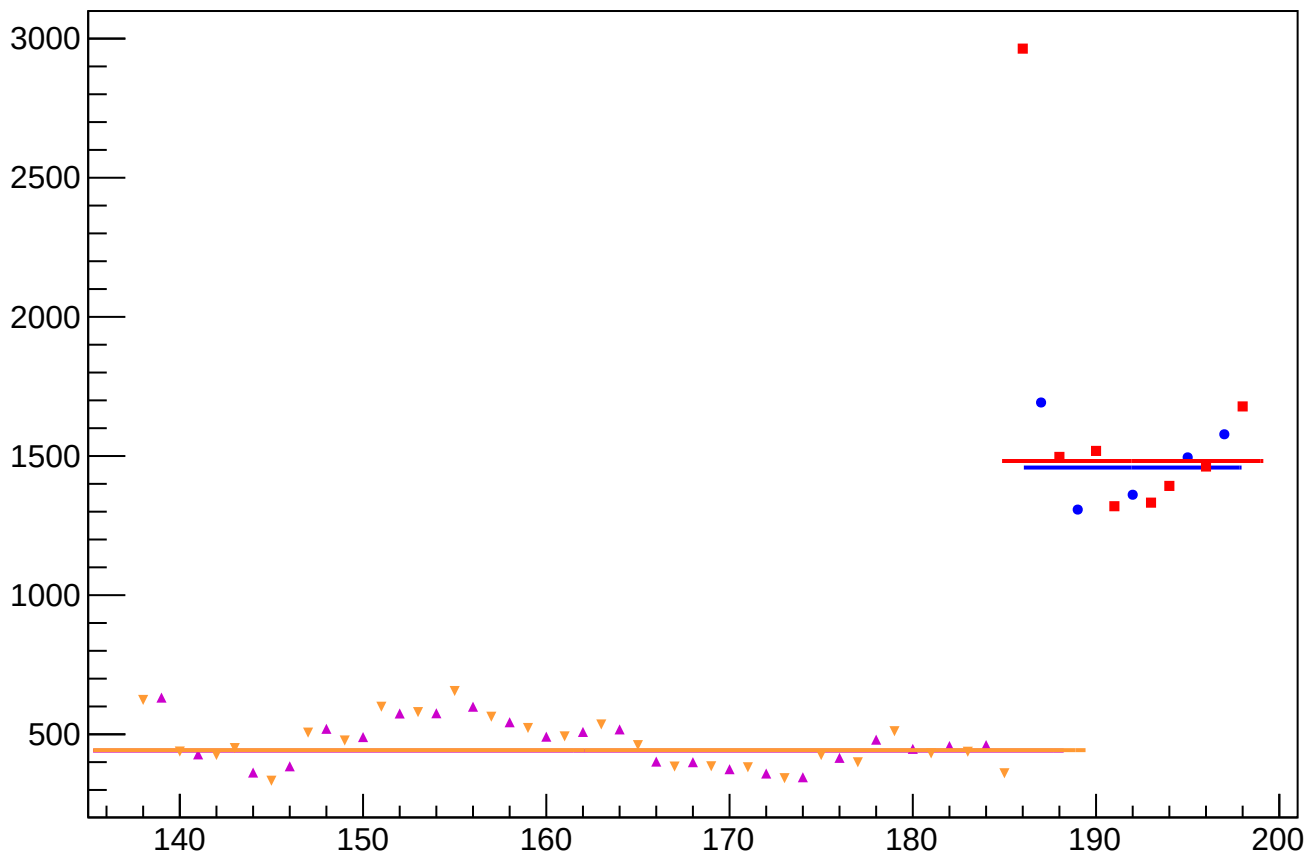
Right: -549.152+/-537.446 χ^2/NDF : 11.4/12

In: -77.930+/-106.092 χ^2/NDF : 24.6/27

Out: 484.913+/-104.139 χ^2/NDF : 78.4/32

All: 208.720+/-74.318 χ^2/NDF : 117.3/60

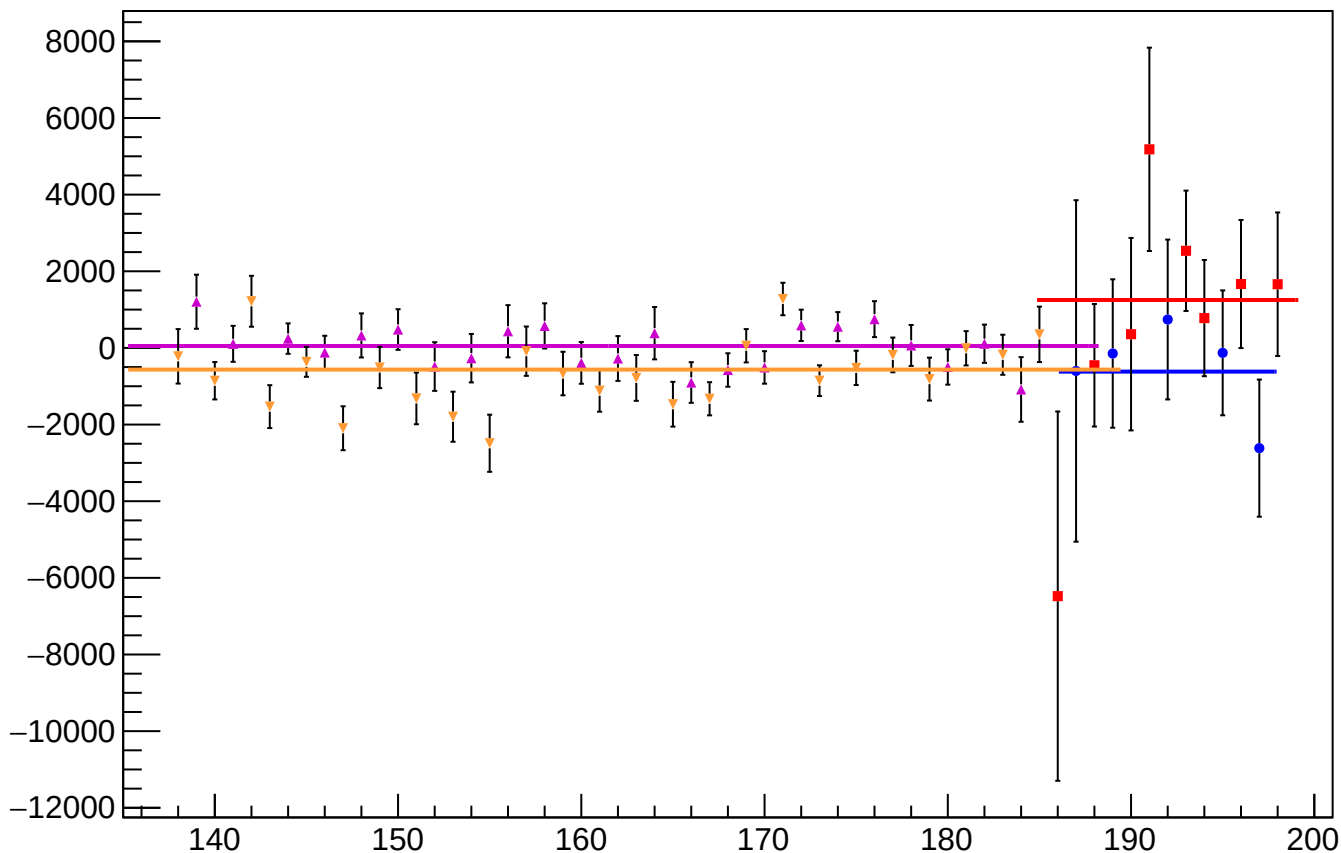
asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1458.554 $\pm$ 0.634 χ^2/NDF : 32623.8/4
 Left Out: 443.031 $\pm$ 0.075 χ^2/NDF :1171662.6/24
 Right Out: 1482.120 $\pm$ 0.475 χ^2/NDF : 241750.5/7
 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: 1473.653 $\pm$ 0.380 χ^2/NDF : 275259.4/12
 In: 455.601 $\pm$ 0.075 χ^2/NDF :3606569.7/27
 Out: 468.027 $\pm$ 0.074 χ^2/NDF :6087993.1/32
 All: 461.929 $\pm$ 0.053 χ^2/NDF : 9708535.7/60

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -618.144 ± 899.482 $\chi^2/\text{NDF}: 1.8/4$

Left Out: -565.545 ± 104.460 $\chi^2/\text{NDF}: 62.9/24$

Right Out: 1250.902 ± 671.445 $\chi^2/\text{NDF}: 6.9/7$

Left In: 50.387 ± 106.218 $\chi^2/\text{NDF}: 23.3/22$

Left: -262.717 ± 74.478 $\chi^2/\text{NDF}: 103.3/47$

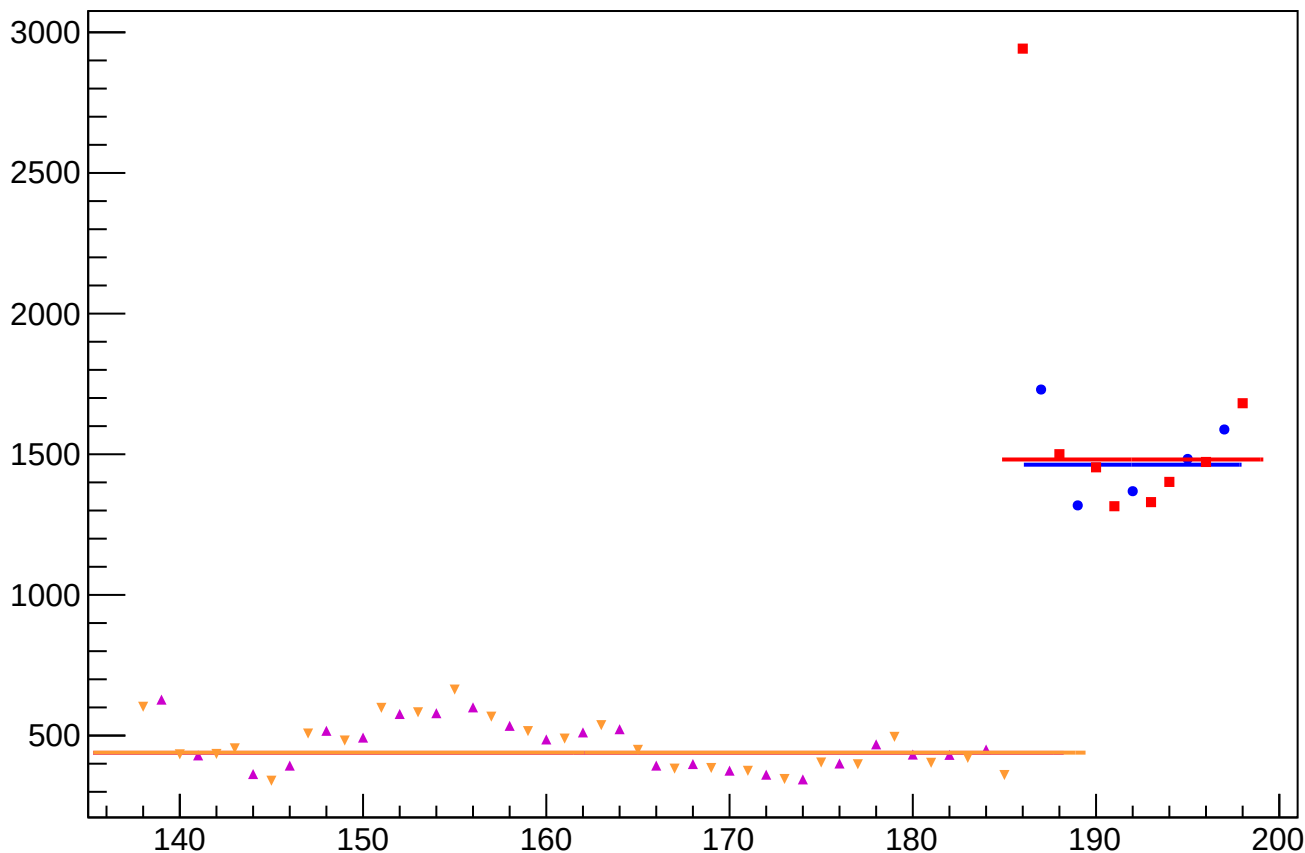
Right: 582.093 ± 538.064 $\chi^2/\text{NDF}: 11.5/12$

In: 41.193 ± 105.485 $\chi^2/\text{NDF}: 25.6/27$

Out: -522.619 ± 103.219 $\chi^2/\text{NDF}: 77.0/32$

All: -246.835 ± 73.775 $\chi^2/\text{NDF}: 117.2/60$

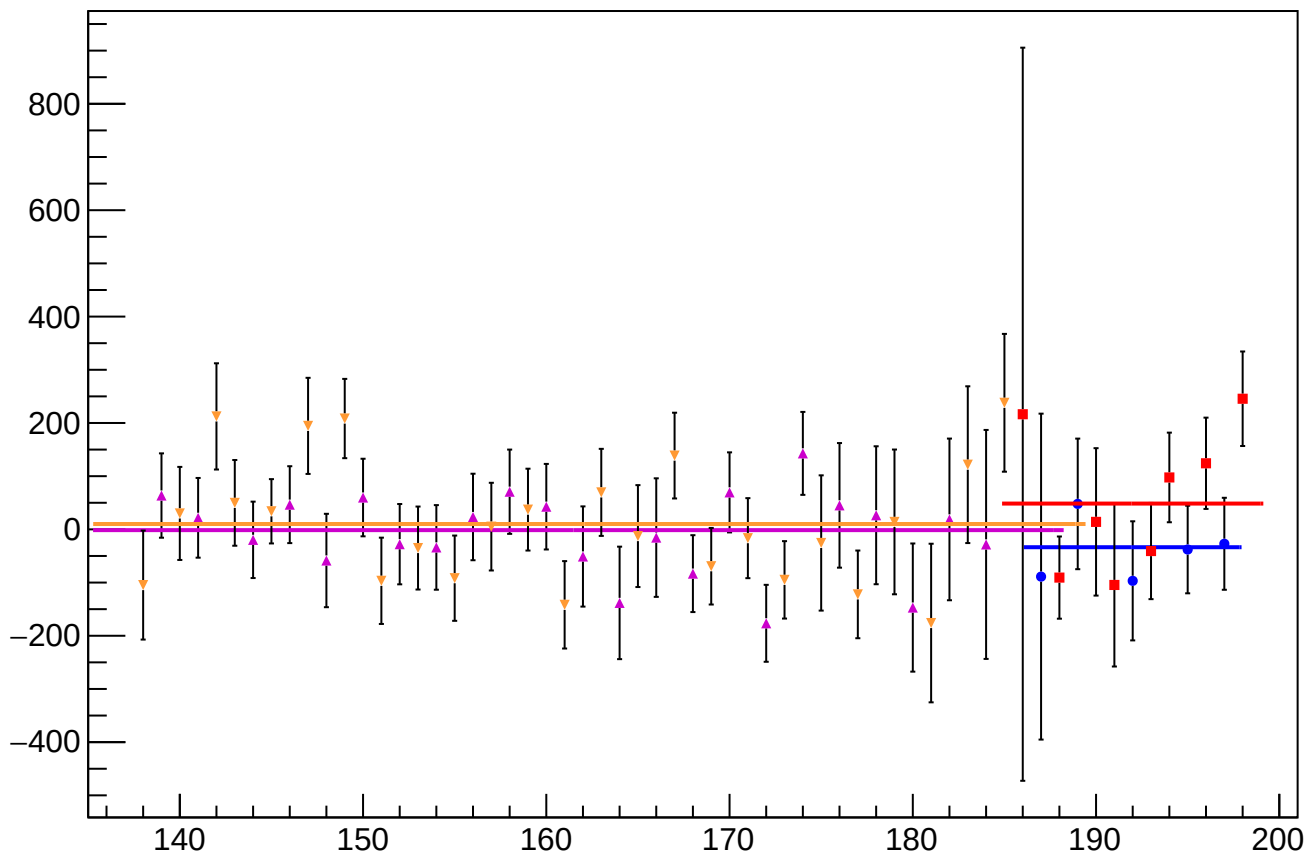
asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 1462.966 $\pm$ 0.636 χ^2 /NDF: 32541.6/4
 Left Out: 439.314 $\pm$ 0.074 χ^2 /NDF:1164031.3/24
 Right Out: 1481.435 $\pm$ 0.475 χ^2 /NDF: 239150.1/7
 Left In: 438.365 $\pm$ 0.075 χ^2 /NDF:1024661.1/22

Left: 438.847 $\pm$ 0.053 χ^2 /NDF: 2188773.6/47
 Right: 1474.826 $\pm$ 0.380 χ^2 /NDF: 272233.1/12
 In: 452.456 $\pm$ 0.075 χ^2 /NDF:3616614.7/27
 Out: 463.941 $\pm$ 0.073 χ^2 /NDF:6107091.4/32
 All: 458.323 $\pm$ 0.052 χ^2 /NDF: 9735818.2/60

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -33.546 ± 47.778 χ^2/NDF : 0.8/4

Left Out: 10.078 ± 17.207 χ^2/NDF : 38.7/24

Right Out: 48.502 ± 35.579 χ^2/NDF : 11.4/7

Left In: -1.434 ± 17.926 χ^2/NDF : 19.0/22

Left: 4.557 ± 12.414 χ^2/NDF : 58.0/47

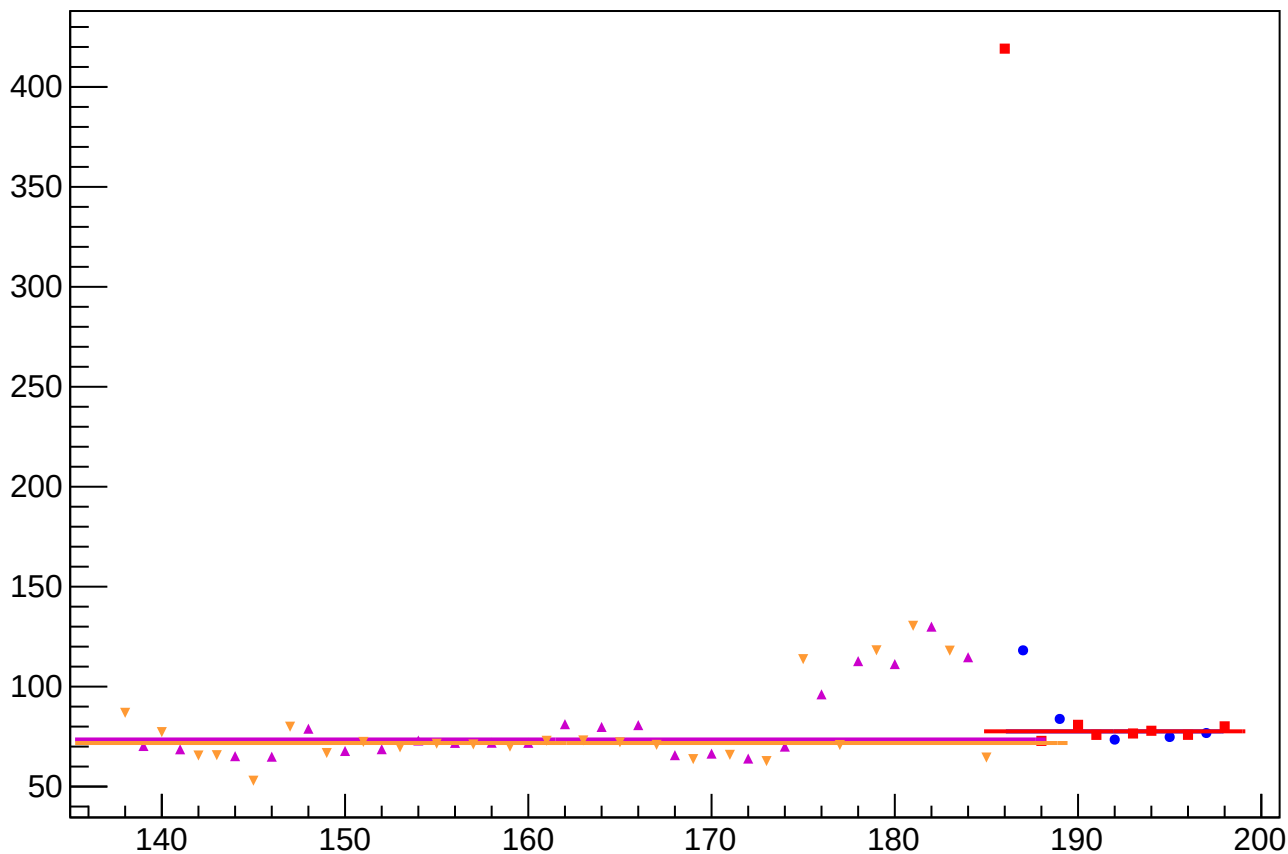
Right: 19.233 ± 28.536 χ^2/NDF : 14.1/12

In: -5.397 ± 16.784 χ^2/NDF : 20.2/27

Out: 17.361 ± 15.491 χ^2/NDF : 51.0/32

All: 6.893 ± 11.383 χ^2/NDF : 72.3/60

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 77.587 +/- 0.034 χ^2/NDF : 45406.7/4

Left Out: 71.785 +/- 0.012 χ^2/NDF : 1325726.8/24

Right Out: 77.630 +/- 0.025 χ^2/NDF : 503009.1/7

Left In: 73.558 +/- 0.013 χ^2/NDF : 1009353.9/22

Left: 72.635 +/- 0.009 χ^2/NDF : 2345268.8/47

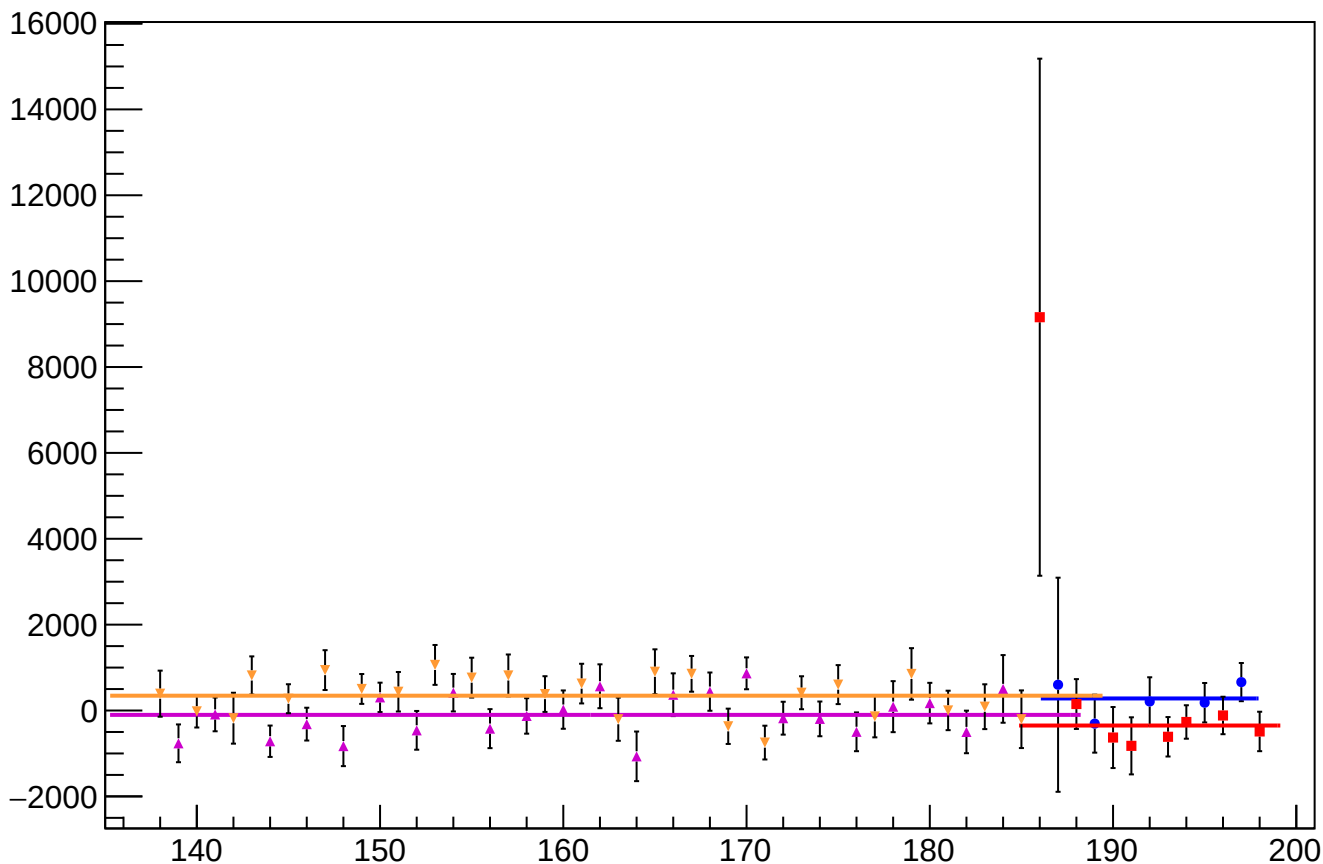
Right: 77.615 +/- 0.020 χ^2/NDF : 548416.8/12

In: 74.055 +/- 0.012 χ^2/NDF : 1067228.8/27

Out: 72.893 +/- 0.011 χ^2/NDF : 1872483.9/32

All: 73.428 +/- 0.008 χ^2/NDF : 2944895.3/60

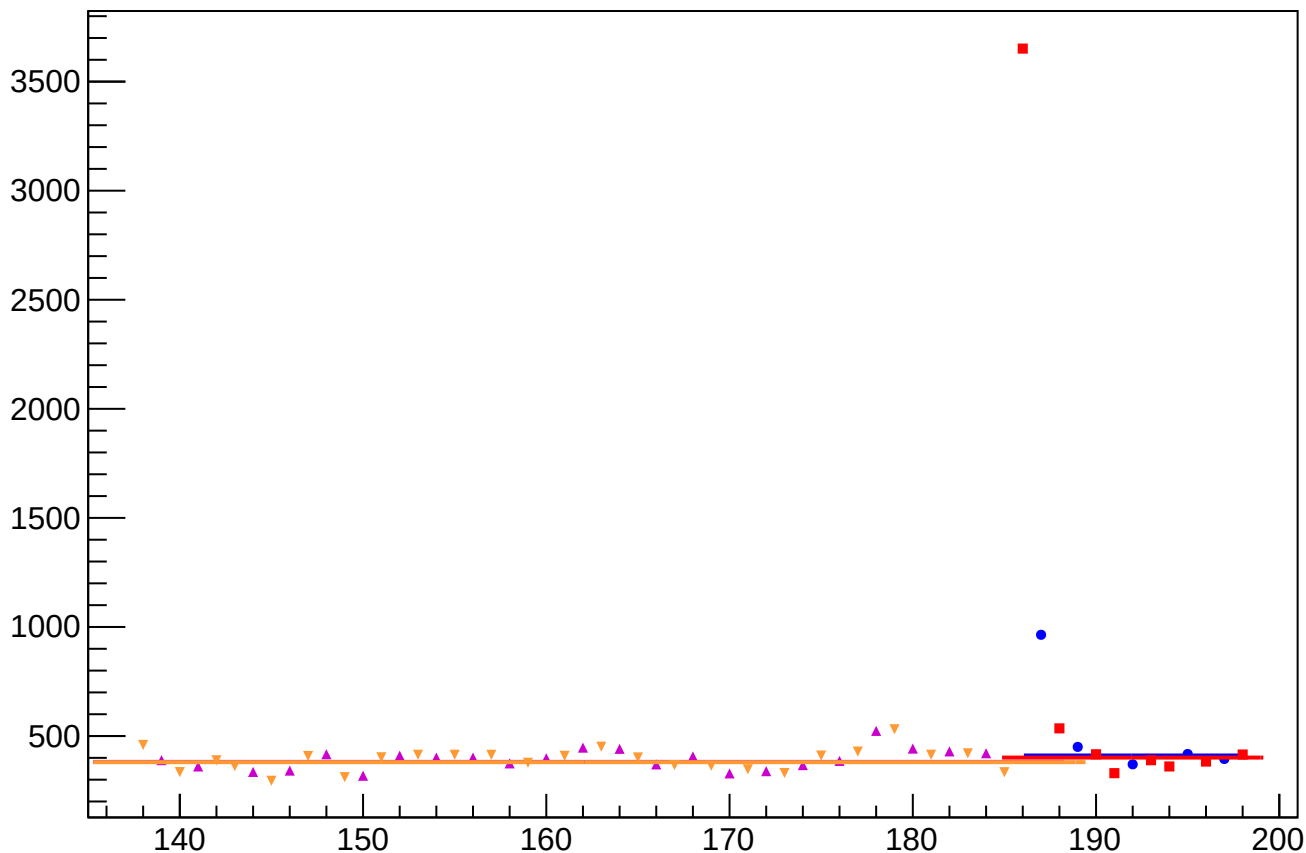
asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 280.931 $\pm$ 255.698 χ^2 /NDF: 1.6/4
 Left Out: 345.360 $\pm$ 89.857 χ^2 /NDF:27.4/24
 Right Out: -349.510 $\pm$ 187.118 χ^2 /NDF: 4.6/7
 Left In: -101.648 $\pm$ 91.670 χ^2 /NDF:28.1/22

Left: 126.320 $\pm$ 64.170 χ^2 /NDF: 67.5/47
 Right: -129.641 $\pm$ 151.004 χ^2 /NDF: 10.2/12
 In: -58.076 $\pm$ 86.292 χ^2 /NDF:31.6/27
 Out: 215.146 $\pm$ 81.001 χ^2 /NDF:43.2/32
 All: 87.167 $\pm$ 59.058 χ^2 /NDF: 80.2/60

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 410.833+/-0.181 χ^2/NDF : 118592.1/4

Left Out: 380.206+/-0.064 χ^2/NDF : 616620.6/24

Right Out: 401.305+/-0.132 χ^2/NDF : 741834.1/7

Left In: 381.474+/-0.065 χ^2/NDF : 461021.8/22

Left: 380.828+/-0.045 χ^2/NDF : 1077837.5/47

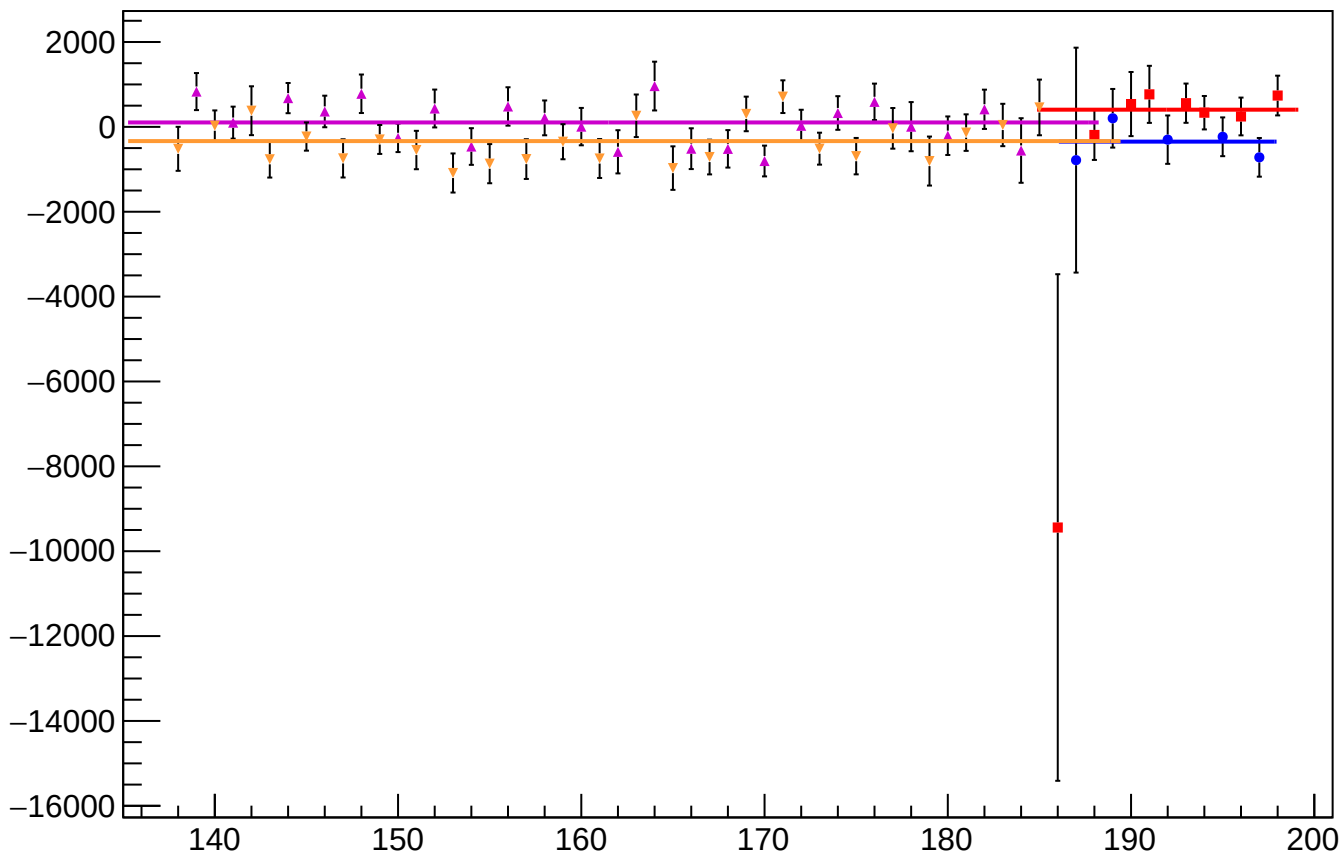
Right: 404.628+/-0.107 χ^2/NDF : 862234.9/12

In: 384.818+/-0.061 χ^2/NDF : 602978.0/27

Out: 384.160+/-0.057 χ^2/NDF : 1379117.3/32

All: 384.468+/-0.042 χ^2/NDF : 1982157.0/60

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -347.796 ± 258.938 χ^2/NDF : 1.4/4

Left Out: -335.242 ± 87.706 χ^2/NDF : 28.3/24

Right Out: 405.097 ± 190.295 χ^2/NDF : 4.8/7

Left In: 104.117 ± 89.613 χ^2/NDF : 29.7/22

Left: -120.287 ± 62.681 χ^2/NDF : 70.2/47

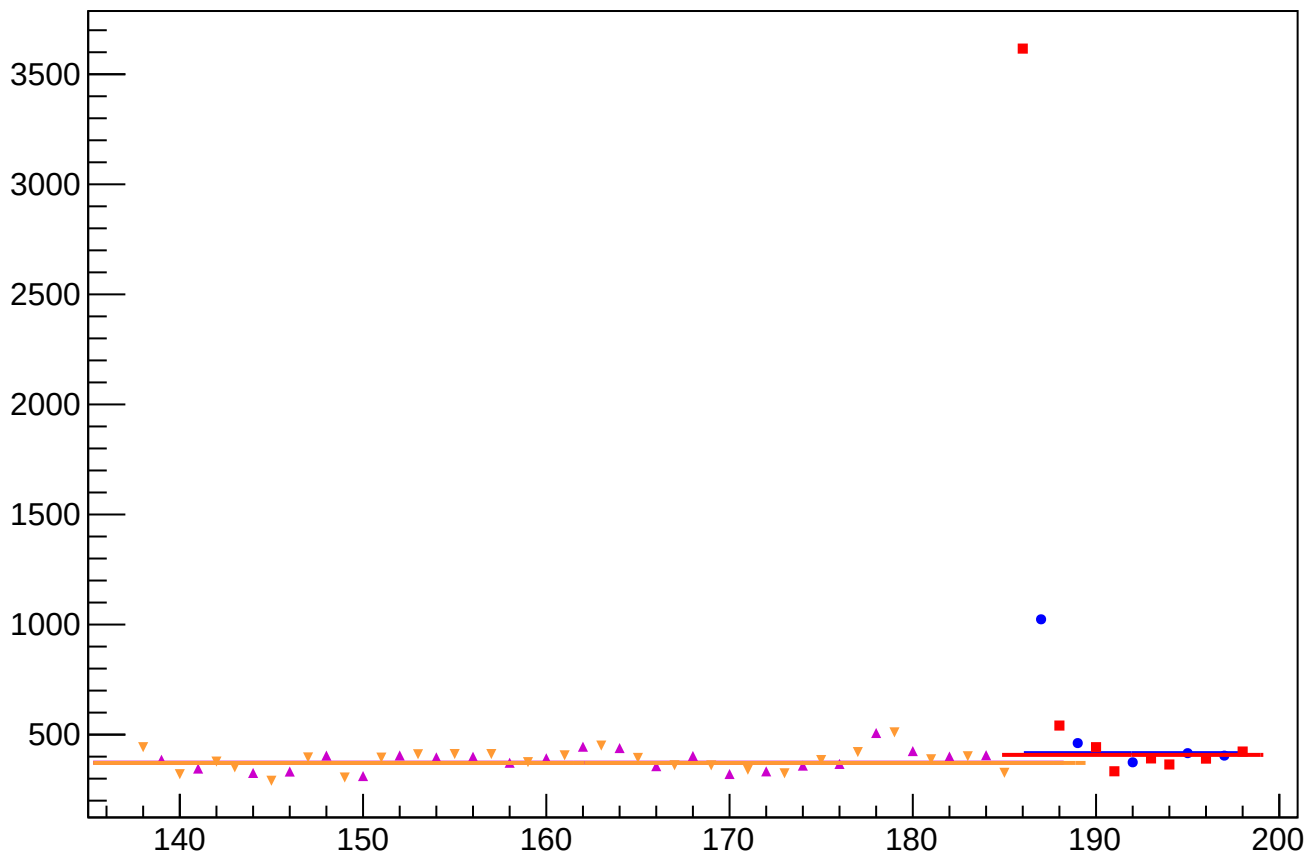
Right: 141.069 ± 153.340 χ^2/NDF : 11.7/12

In: 55.780 ± 84.685 χ^2/NDF : 33.8/27

Out: -205.530 ± 79.653 χ^2/NDF : 45.6/32

All: -82.868 ± 58.021 χ^2/NDF : 84.5/60

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 415.838 $\pm$ 0.183 χ^2 /NDF: 125893.6/4

Left Out: 371.375 $\pm$ 0.062 χ^2 /NDF: 604123.3/24

Right Out: 407.964 $\pm$ 0.135 χ^2 /NDF: 741313.4/7

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

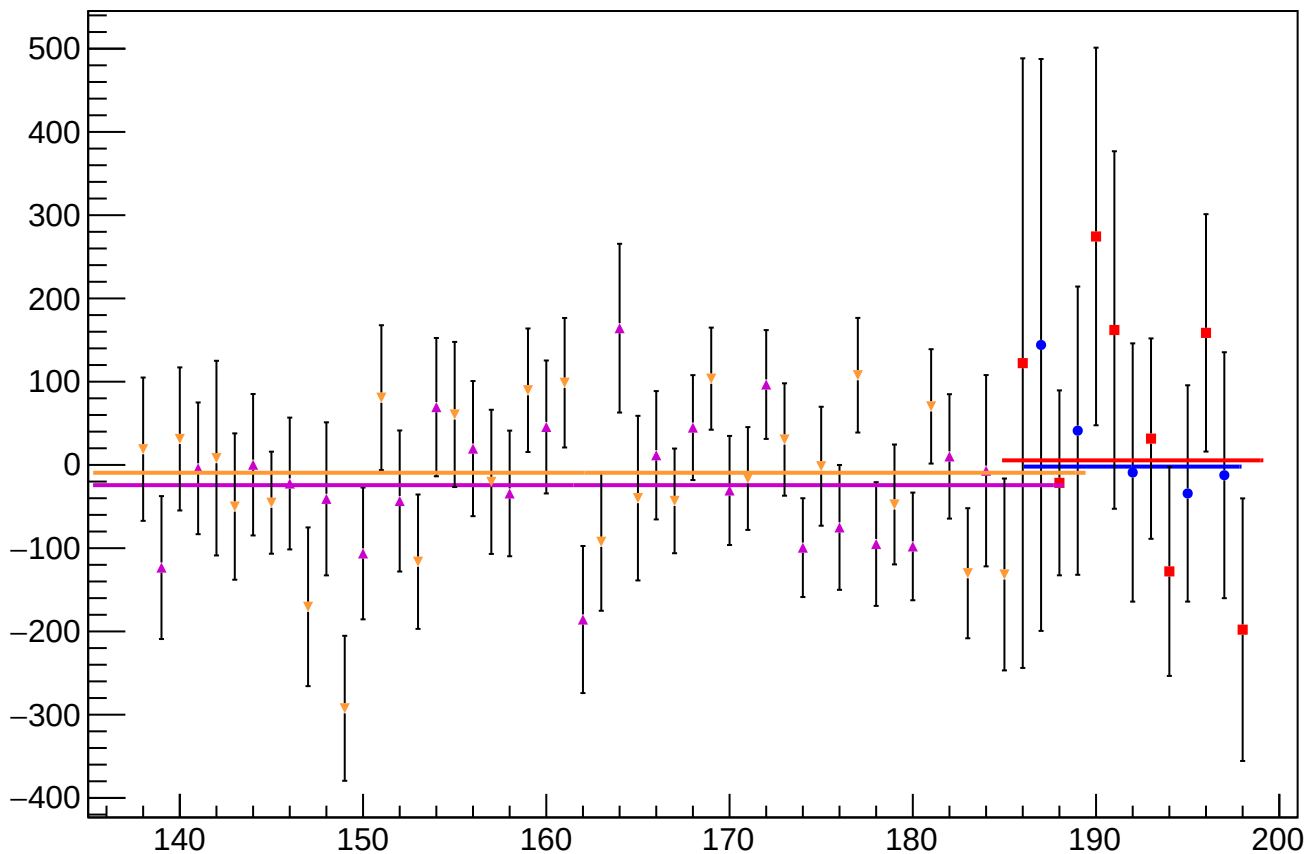
Right: 410.725 $\pm$ 0.108 χ^2 /NDF: 868407.8/12

In: 377.202 $\pm$ 0.060 χ^2 /NDF: 640151.1/27

Out: 377.786 $\pm$ 0.056 χ^2 /NDF: 1406420.7/32

All: 377.512 $\pm$ 0.041 χ^2 /NDF: 2046622.3/60

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -2.003 ± 72.844 $\chi^2/\text{NDF}: 0.3/4$

Left Out: -9.398 ± 15.471 $\chi^2/\text{NDF}: 34.7/24$

Right Out: 5.493 ± 53.336 $\chi^2/\text{NDF}: 6.1/7$

Left In: -24.293 ± 16.034 $\chi^2/\text{NDF}: 21.1/22$

Left: -16.580 ± 11.133 $\chi^2/\text{NDF}: 56.3/47$

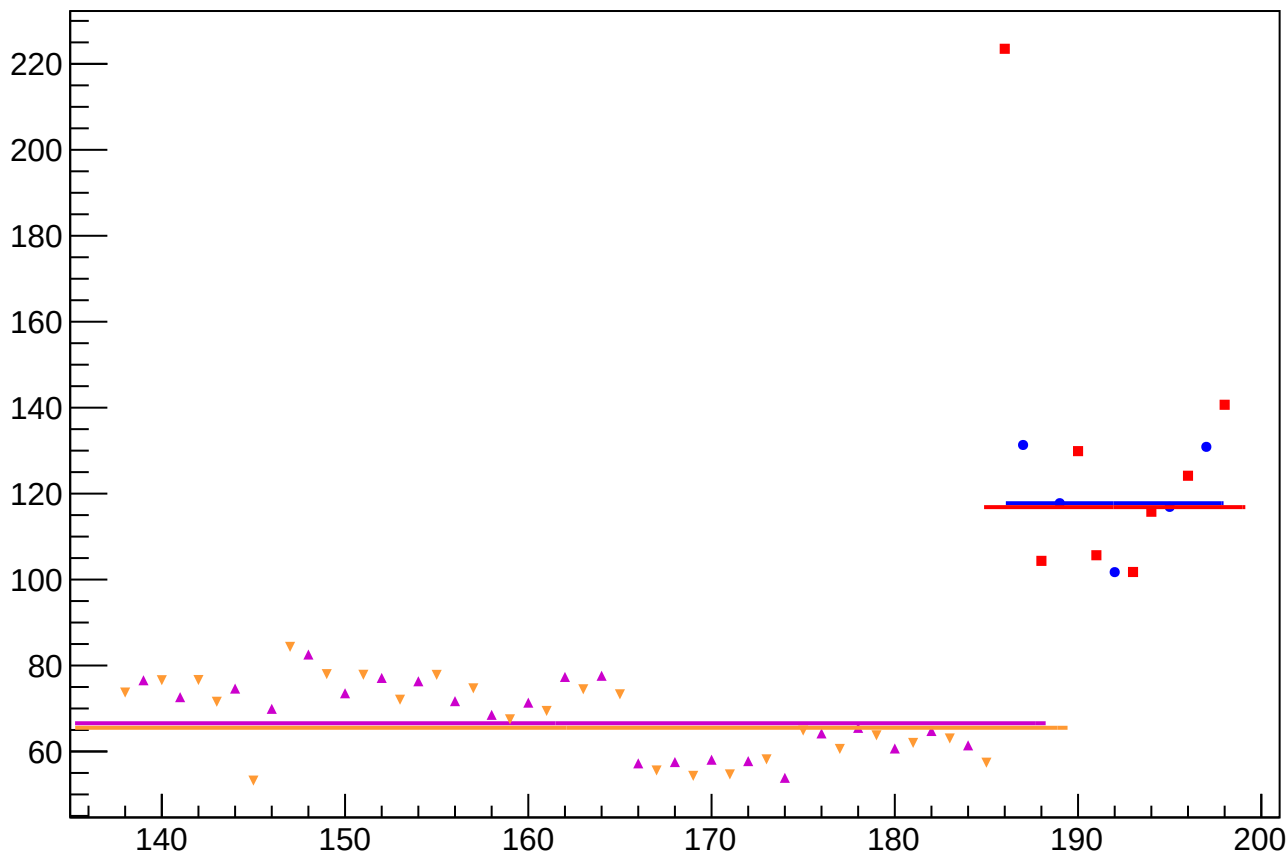
Right: 2.877 ± 43.034 $\chi^2/\text{NDF}: 6.4/12$

In: -23.263 ± 15.659 $\chi^2/\text{NDF}: 21.5/27$

Out: -8.242 ± 14.859 $\chi^2/\text{NDF}: 40.9/32$

All: -15.359 ± 10.778 $\chi^2/\text{NDF}: 62.9/60$

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 117.762 $\pm$ 0.052 χ^2 /NDF: 40341.3/4

Left Out: 65.512 $\pm$ 0.011 χ^2 /NDF: 666993.4/24

Right Out: 116.855 $\pm$ 0.038 χ^2 /NDF: 289554.0/7

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

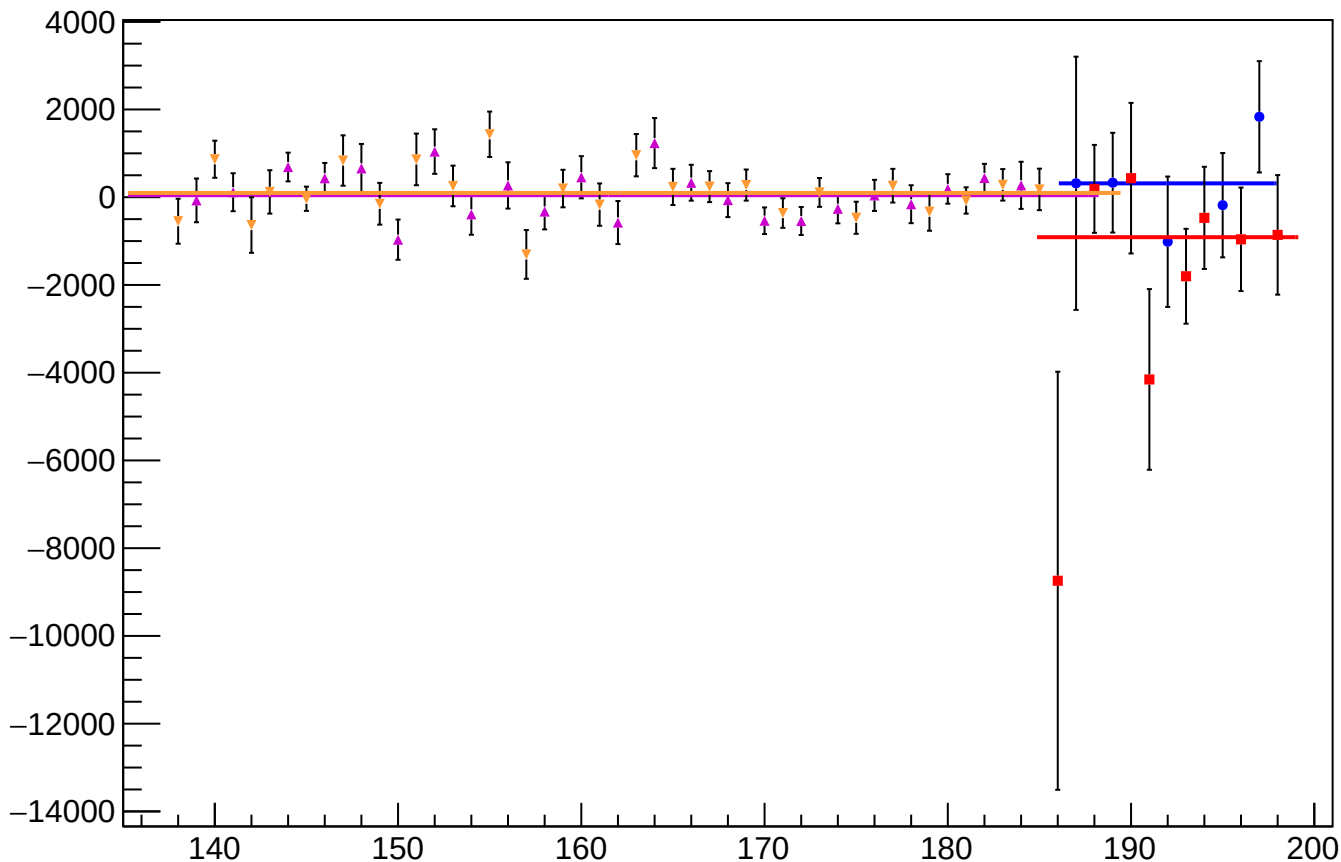
Right: 117.172 $\pm$ 0.030 χ^2 /NDF: 330097.1/12

In: 68.929 $\pm$ 0.011 χ^2 /NDF: 1503976.9/27

Out: 69.496 $\pm$ 0.011 χ^2 /NDF: 2666031.6/32

All: 69.228 $\pm$ 0.008 χ^2 /NDF: 4171388.7/60

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 315.624 ± 611.342 χ^2/NDF : 2.4/4

Left Out: 97.420 ± 82.238 χ^2/NDF : 33.3/24

Right Out: -911.231 ± 473.224 χ^2/NDF : 7.8/7

Left In: 46.660 ± 83.857 χ^2/NDF : 34.2/22

Left: 72.535 ± 58.715 χ^2/NDF : 67.7/47

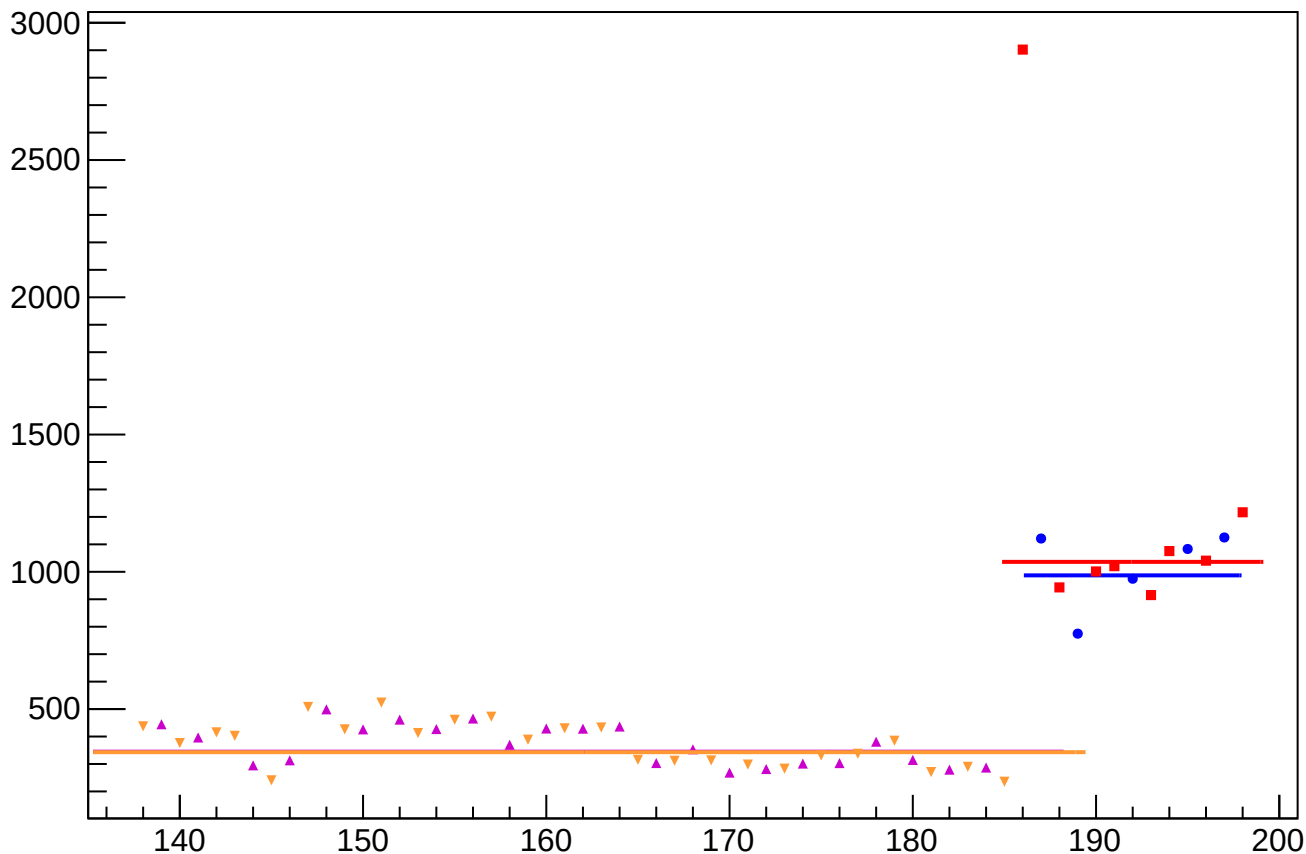
Right: -451.548 ± 374.211 χ^2/NDF : 12.8/12

In: 51.627 ± 83.079 χ^2/NDF : 36.8/27

Out: 67.851 ± 81.024 χ^2/NDF : 45.5/32

All: 59.942 ± 58.006 χ^2/NDF : 82.4/60

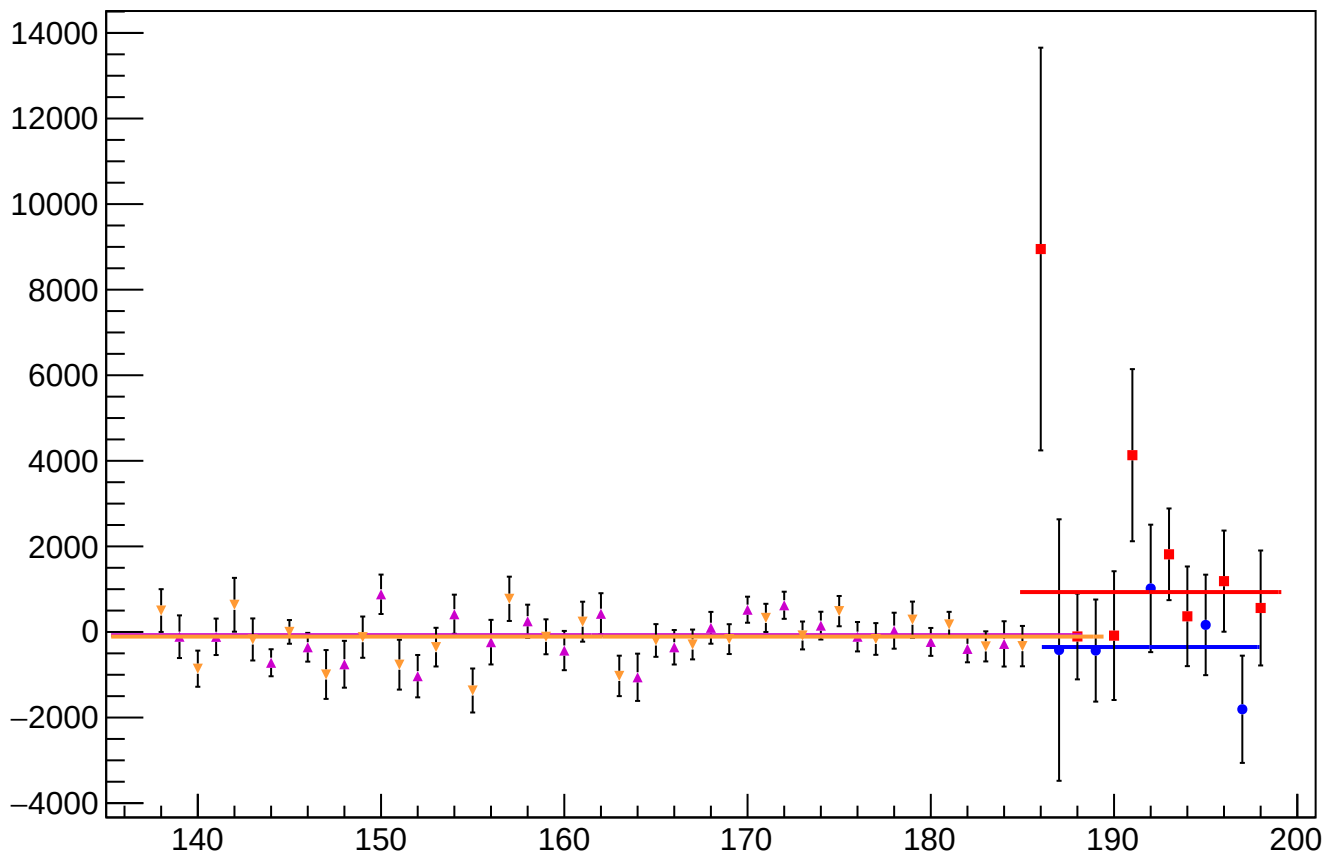
asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 987.028 $\pm$ 0.432 χ^2 /NDF: 111000.0/4
 Left Out: 342.995 $\pm$ 0.058 χ^2 /NDF:1665121.0/24
 Right Out: 1036.223 $\pm$ 0.335 χ^2 /NDF: 387404.9/7
 Left In: 344.818 $\pm$ 0.059 χ^2 /NDF:1264545.0/22

Left: 343.889 $\pm$ 0.042 χ^2 /NDF: 2930147.7/47
 Right: 1017.790 $\pm$ 0.265 χ^2 /NDF: 506503.3/12
 In: 356.678 $\pm$ 0.059 χ^2 /NDF:3541854.7/27
 Out: 363.317 $\pm$ 0.057 χ^2 /NDF:6218598.7/32
 All: 360.081 $\pm$ 0.041 χ^2 /NDF: 9766998.9/60

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -351.737 ± 617.527 $\chi^2/\text{NDF}: 2.4/4$

Left Out: -108.037 ± 80.579 $\chi^2/\text{NDF}: 30.9/24$

Right Out: 932.630 ± 465.922 $\chi^2/\text{NDF}: 8.0/7$

Left In: -74.986 ± 81.949 $\chi^2/\text{NDF}: 32.7/22$

Left: -91.790 ± 57.456 $\chi^2/\text{NDF}: 63.6/47$

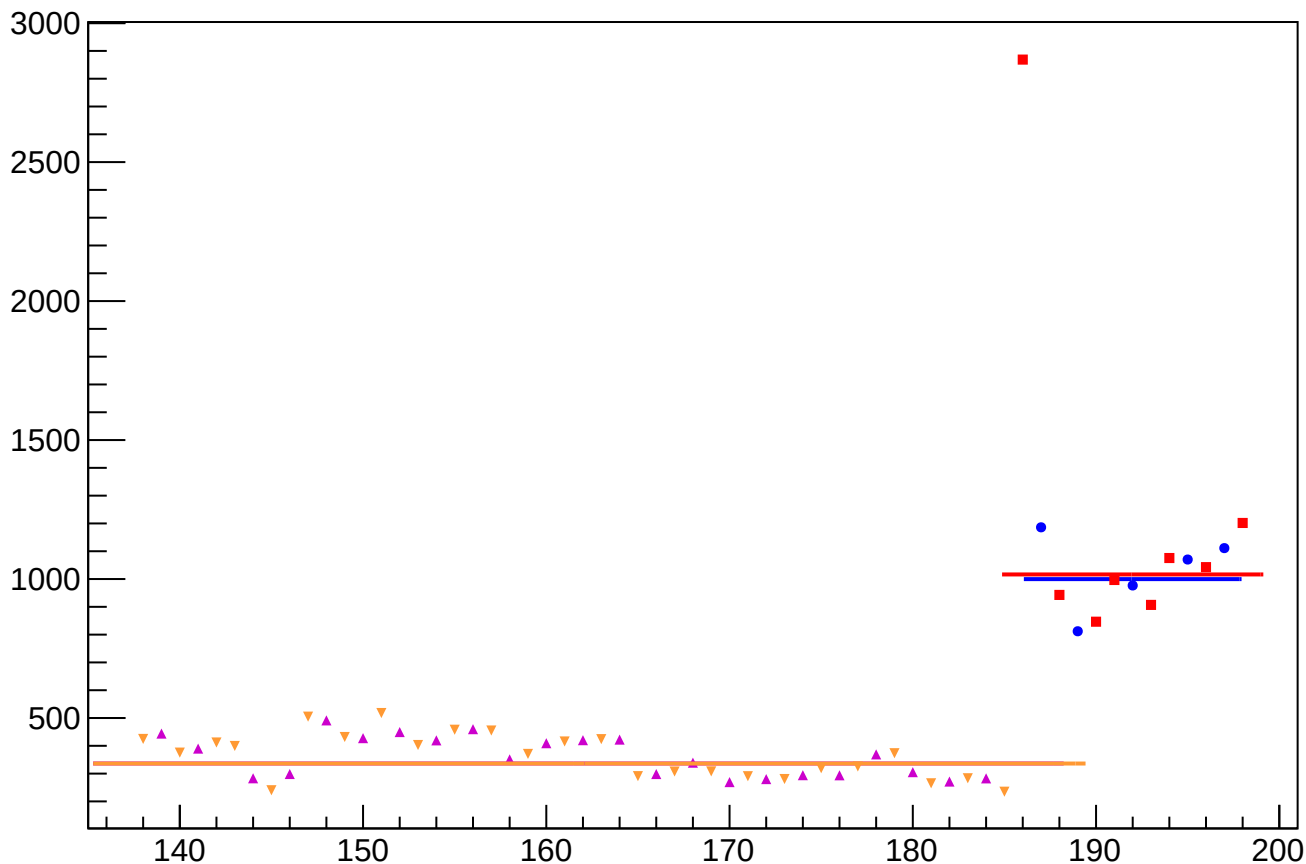
Right: 466.715 ± 371.933 $\chi^2/\text{NDF}: 13.1/12$

In: -79.775 ± 81.237 $\chi^2/\text{NDF}: 35.2/27$

Out: -77.814 ± 79.401 $\chi^2/\text{NDF}: 43.7/32$

All: -78.772 ± 56.783 $\chi^2/\text{NDF}: 79.0/60$

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 999.702 $\pm$ 0.437 χ^2 /NDF: 80388.9/4

Left Out: 336.231 $\pm$ 0.057 χ^2 /NDF:1659693.0/24

Right Out: 1016.498 $\pm$ 0.329 χ^2 /NDF: 411412.0/7

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

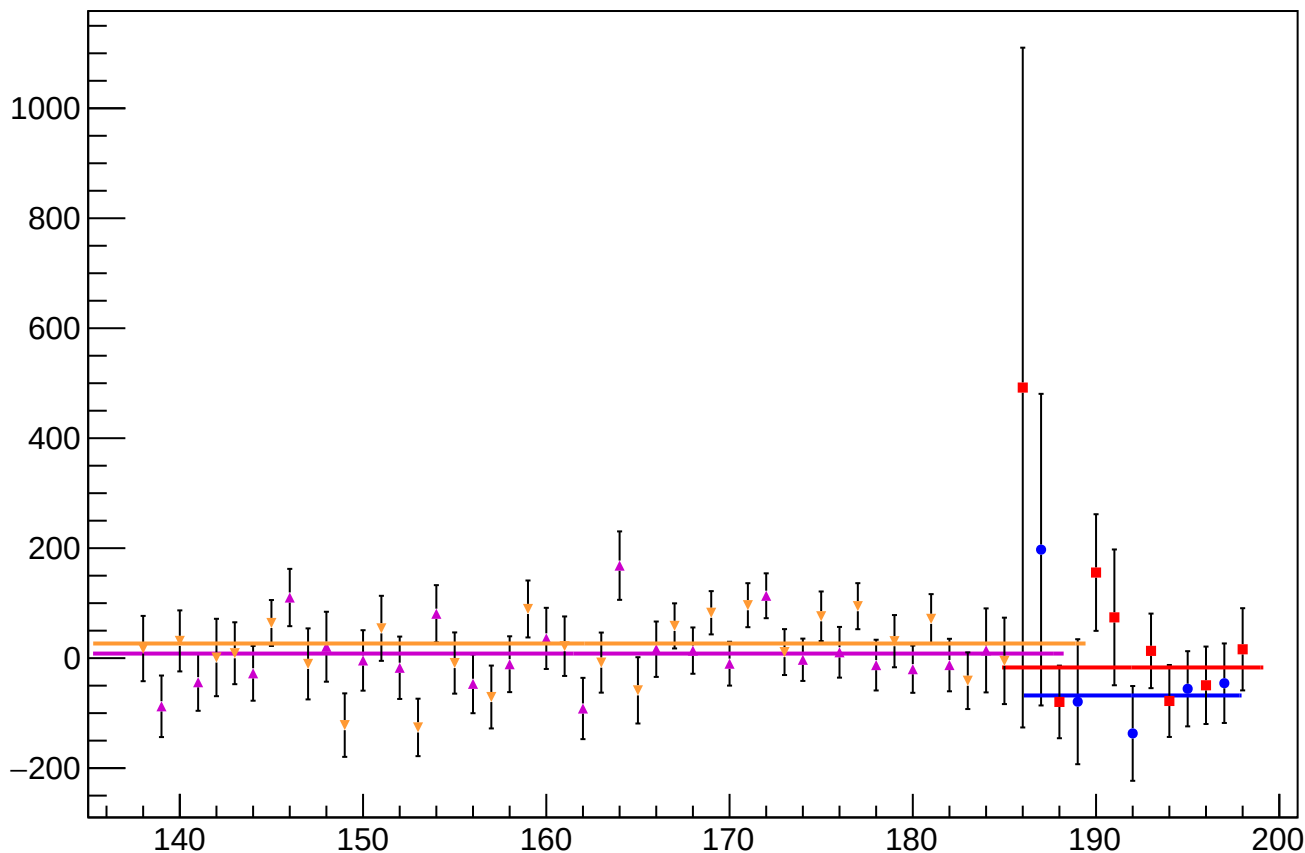
Right: 1010.405 $\pm$ 0.263 χ^2 /NDF: 492743.7/12

In: 347.875 $\pm$ 0.057 χ^2 /NDF:3617563.0/27

Out: 355.987 $\pm$ 0.056 χ^2 /NDF:6210751.6/32

All: 352.024 $\pm$ 0.040 χ^2 /NDF: 9838513.9/60

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -67.867 ± 39.854 χ^2/NDF : 1.7/4

Left Out: 26.633 ± 10.090 χ^2/NDF : 36.5/24

Right Out: -16.937 ± 28.649 χ^2/NDF : 6.2/7

Left In: 8.325 ± 10.361 χ^2/NDF : 29.6/22

Left: 17.721 ± 7.229 χ^2/NDF : 67.7/47

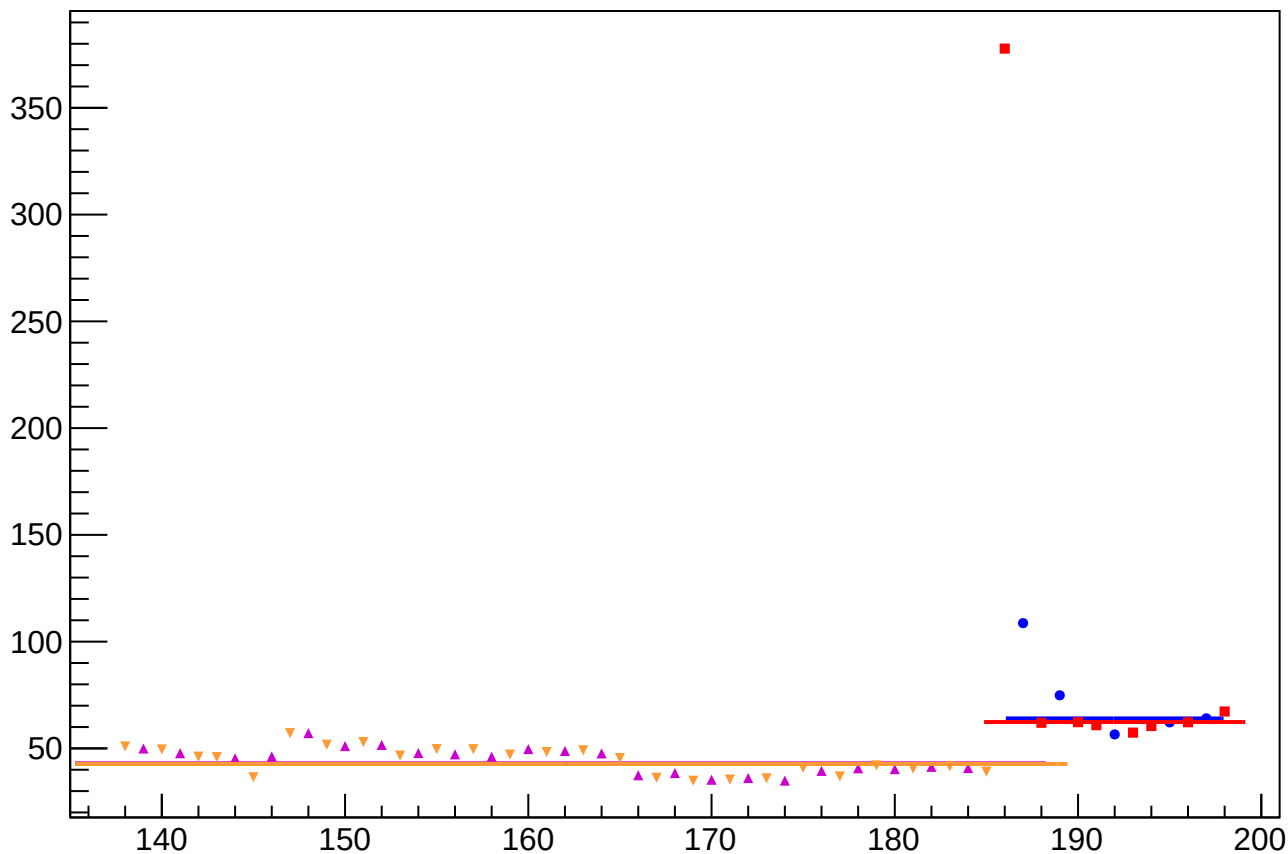
Right: -34.289 ± 23.262 χ^2/NDF : 9.0/12

In: 3.502 ± 10.027 χ^2/NDF : 34.7/27

Out: 21.824 ± 9.517 χ^2/NDF : 44.8/32

All: 13.141 ± 6.903 χ^2/NDF : 81.2/60

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 64.030 $\pm$ 0.028 χ^2 /NDF: 84274.9/4

Left Out: 42.716 $\pm$ 0.007 χ^2 /NDF: 771558.7/24

Right Out: 62.340 $\pm$ 0.020 χ^2 /NDF: 542091.9/7

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

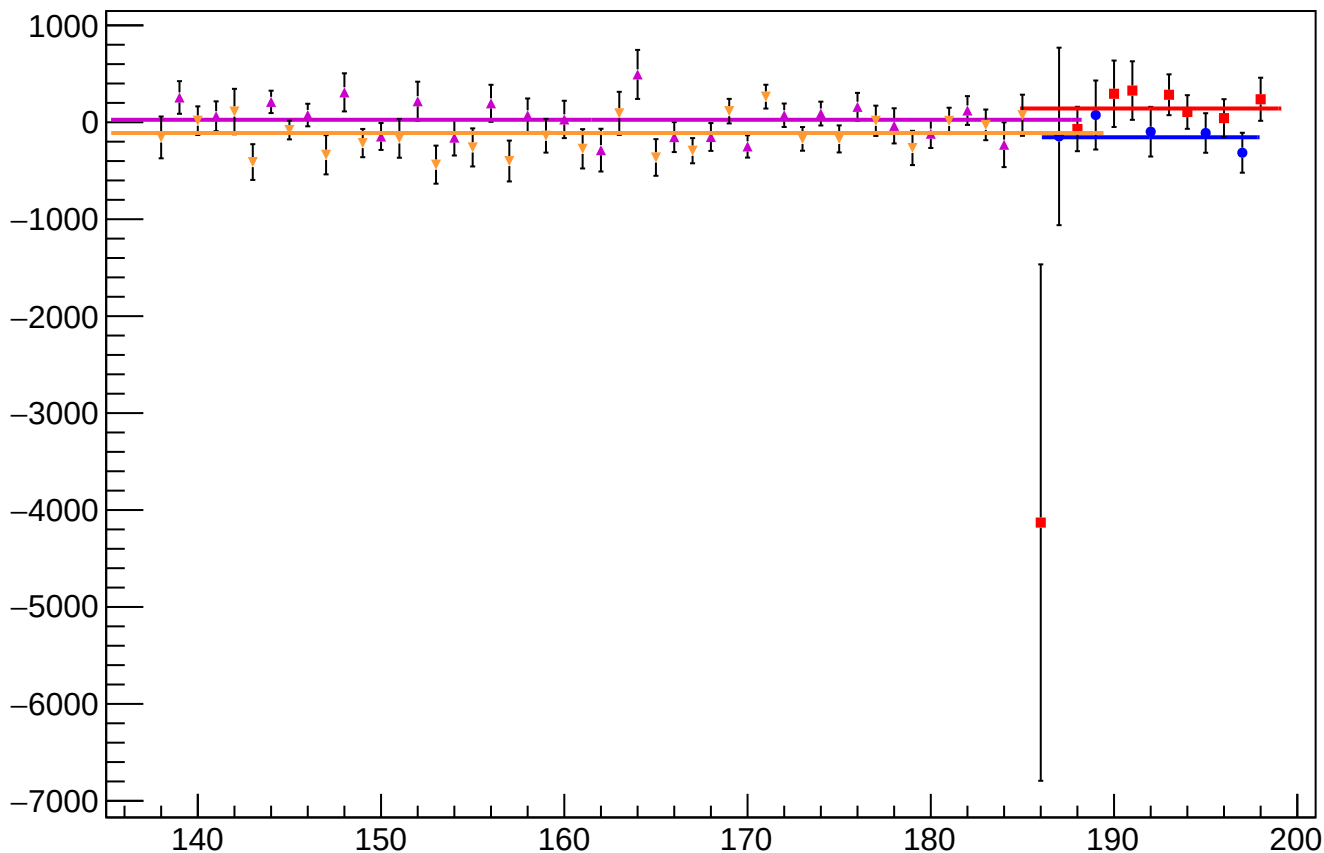
Right: 62.916 $\pm$ 0.016 χ^2 /NDF: 628739.8/12

In: 44.351 $\pm$ 0.007 χ^2 /NDF: 1247477.7/27

Out: 44.881 $\pm$ 0.007 χ^2 /NDF: 2148471.6/32

All: 44.630 $\pm$ 0.005 χ^2 /NDF: 3398890.0/60

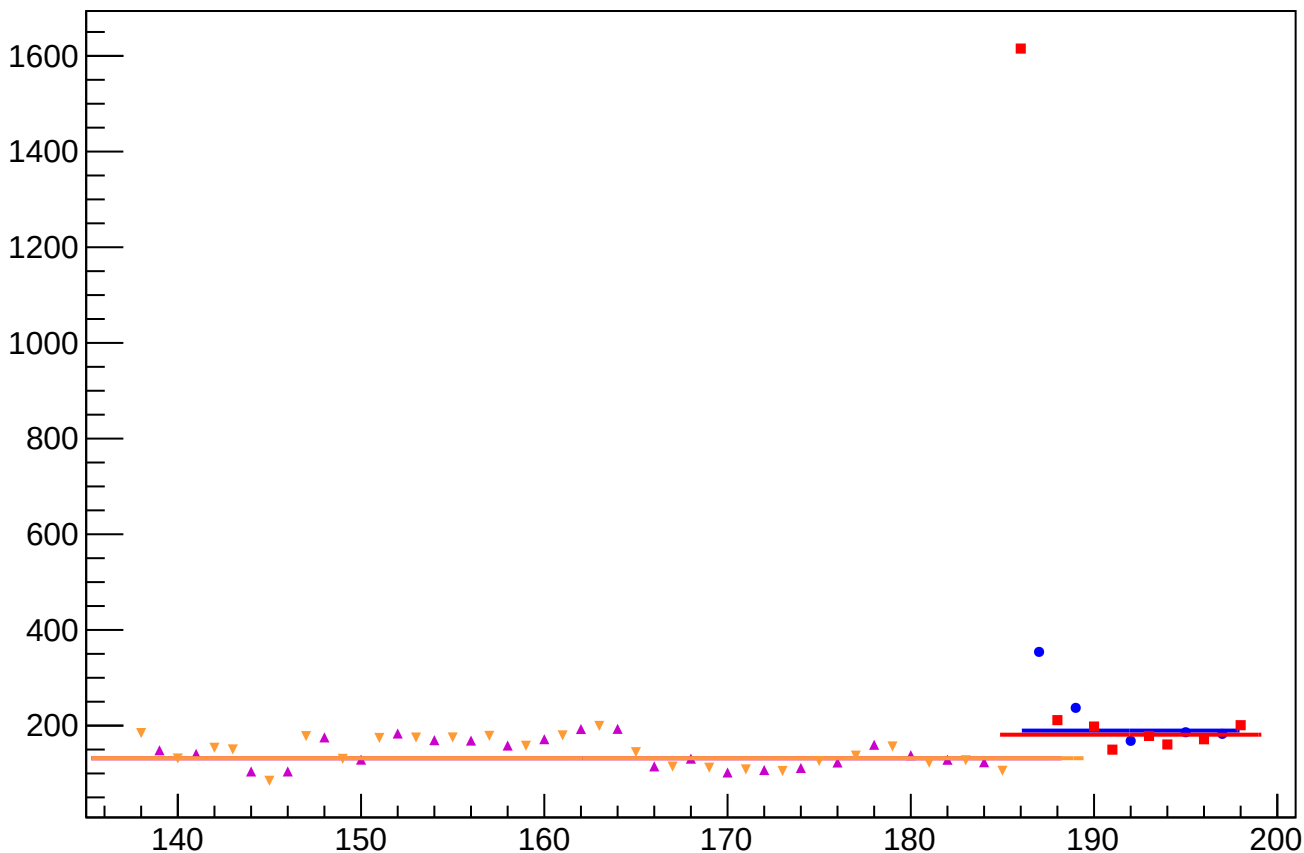
asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -154.616 ± 117.897 $\chi^2/\text{NDF}: 1.1/4$
 Left Out: -110.340 ± 31.717 $\chi^2/\text{NDF}: 33.0/24$
 Right Out: 142.285 ± 84.243 $\chi^2/\text{NDF}: 4.9/7$
 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: 41.933 ± 68.543 $\chi^2/\text{NDF}: 10.2/12$
 In: 13.375 ± 30.972 $\chi^2/\text{NDF}: 32.3/27$
 Out: -78.976 ± 29.683 $\chi^2/\text{NDF}: 45.8/32$
 All: -34.763 ± 21.430 $\chi^2/\text{NDF}: 82.7/60$

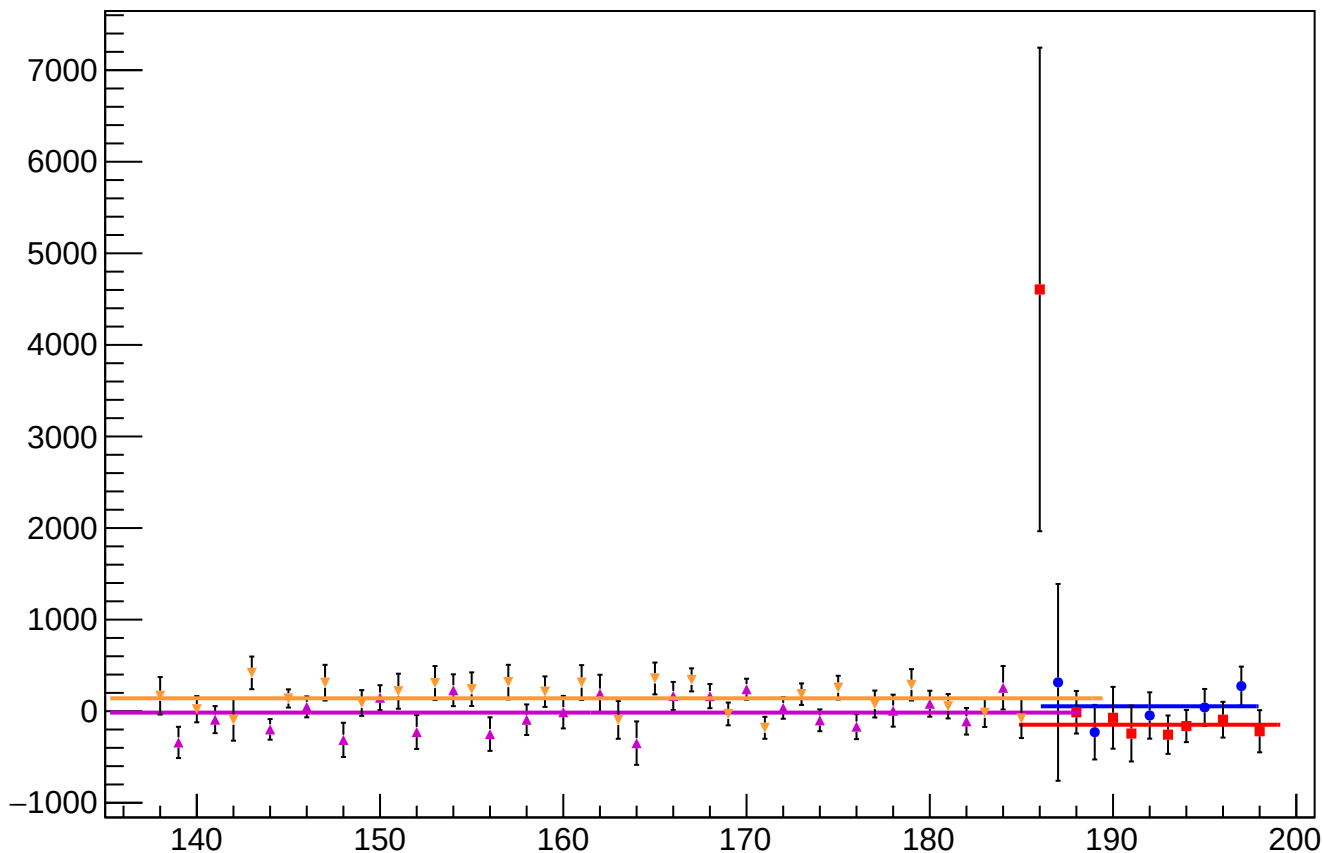
asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 189.597 $\pm$ 0.083 χ^2 /NDF: 117062.4/4
 Left Out: 131.875 $\pm$ 0.022 χ^2 /NDF:1806379.2/24
 Right Out: 181.047 $\pm$ 0.060 χ^2 /NDF: 690262.4/7
 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: 183.937 $\pm$ 0.048 χ^2 /NDF: 814288.3/12
 In: 135.630 $\pm$ 0.022 χ^2 /NDF:1970885.6/27
 Out: 137.979 $\pm$ 0.021 χ^2 /NDF:3093462.1/32
 All: 136.855 $\pm$ 0.015 χ^2 /NDF: 5070345.7/60

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 53.776 $\pm$ 116.049 χ^2 /NDF: 2.2/4

Left Out: 141.008 $\pm$ 30.636 χ^2 /NDF:27.1/24

Right Out: -147.719 $\pm$ 85.032 χ^2 /NDF: 4.2/7

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

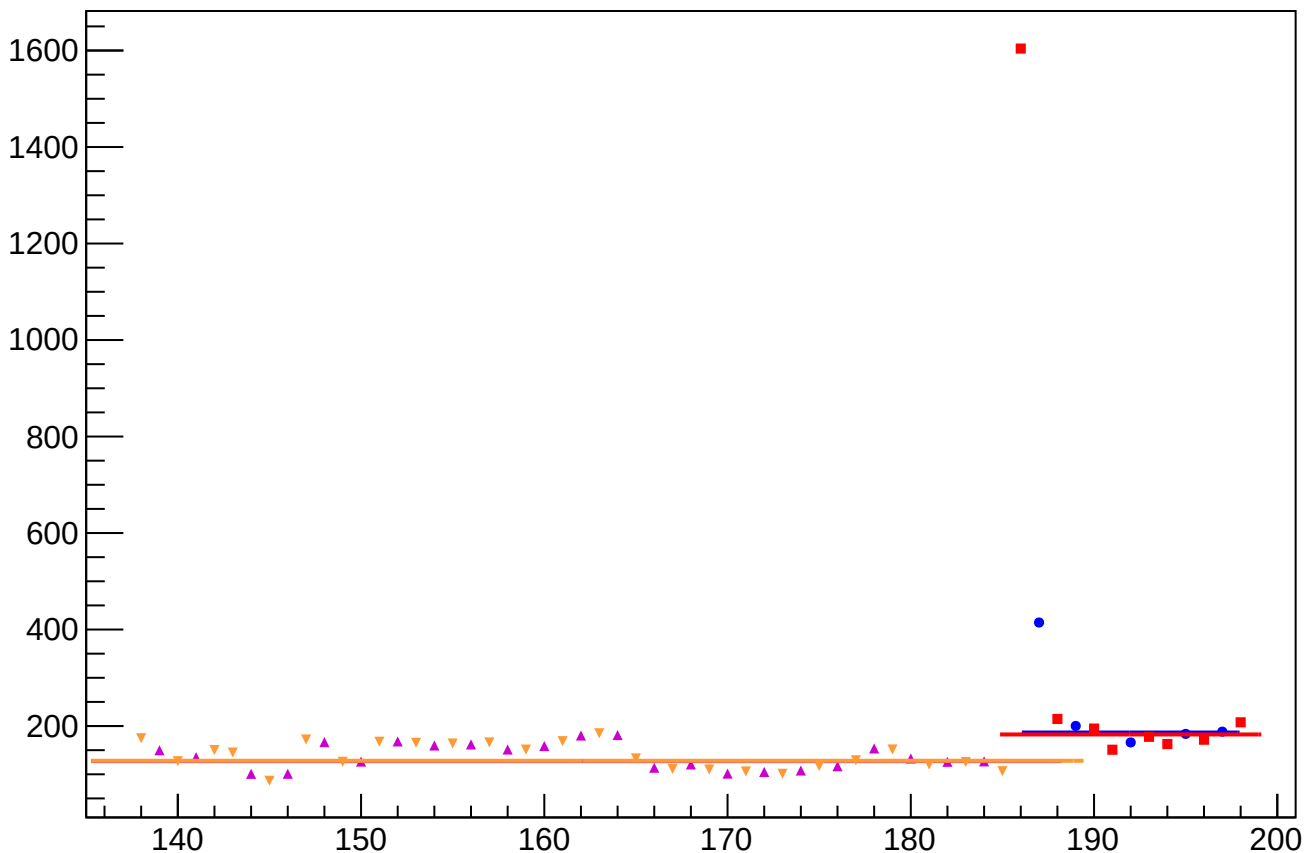
Right: -77.330 $\pm$ 68.590 χ^2 /NDF: 8.3/12

In: -10.596 $\pm$ 29.980 χ^2 /NDF:33.9/27

Out: 107.836 $\pm$ 28.822 χ^2 /NDF:41.5/32

All: 50.951 $\pm$ 20.777 χ^2 /NDF: 83.5/60

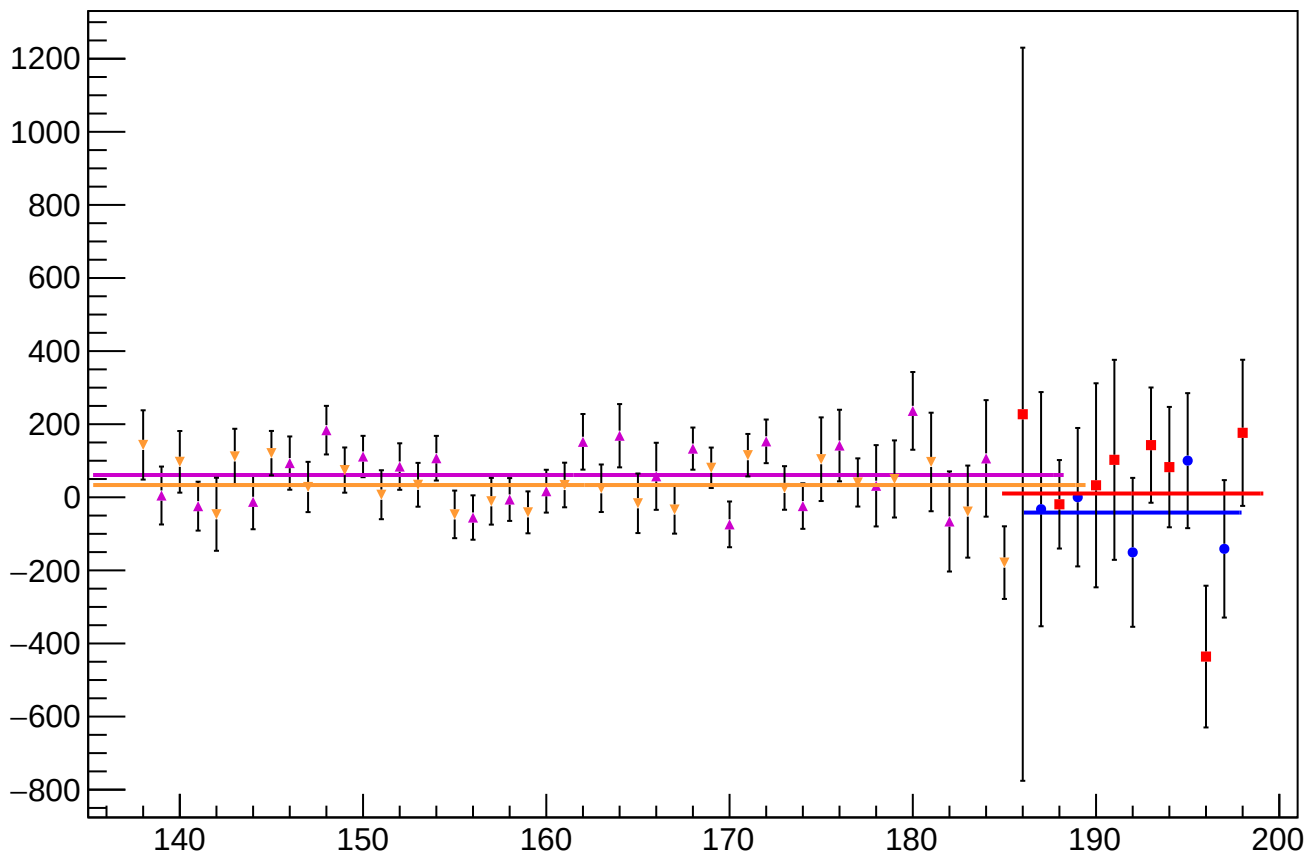
asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 186.585 $\pm$ 0.082 χ^2 /NDF: 107874.4/4
 Left Out: 128.060 $\pm$ 0.022 χ^2 /NDF: 1530283.7/24
 Right Out: 182.565 $\pm$ 0.060 χ^2 /NDF: 698726.0/7
 Left In: 127.380 $\pm$ 0.022 χ^2 /NDF: 1229899.0/22

Left: 127.724 $\pm$ 0.015 χ^2 /NDF: 2760669.0/47
 Right: 183.970 $\pm$ 0.049 χ^2 /NDF: 808161.7/12
 In: 131.331 $\pm$ 0.021 χ^2 /NDF: 1823593.0/27
 Out: 134.322 $\pm$ 0.020 χ^2 /NDF: 2956373.1/32
 All: 132.885 $\pm$ 0.015 χ^2 /NDF: 4790311.3/60

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: -41.818 ± 91.555 $\chi^2/\text{NDF}: 1.2/4$

Left Out: 33.535 ± 14.197 $\chi^2/\text{NDF}: 19.7/24$

Right Out: 10.344 ± 66.798 $\chi^2/\text{NDF}: 7.1/7$

Left In: 60.992 ± 14.839 $\chi^2/\text{NDF}: 31.6/22$

Left: 46.656 ± 10.258 $\chi^2/\text{NDF}: 53.0/47$

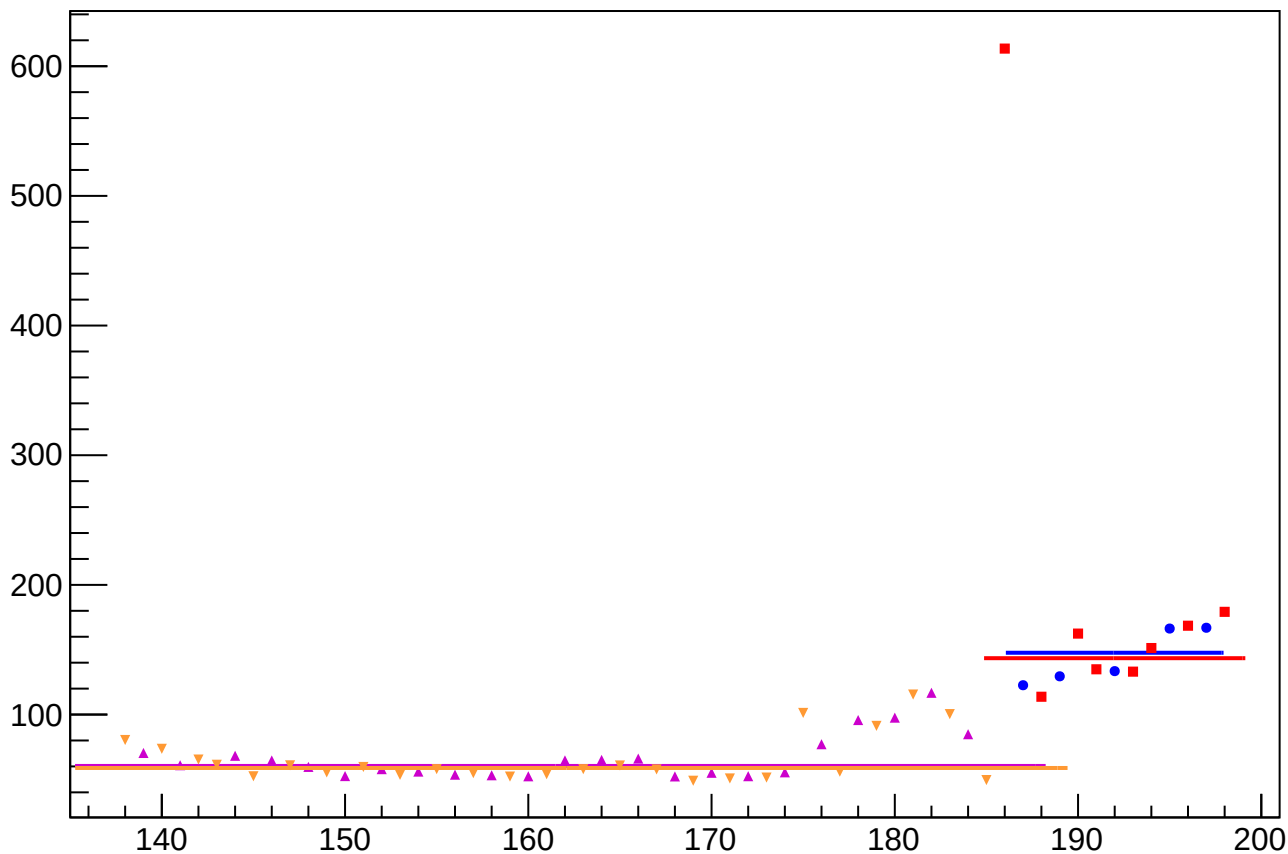
Right: -7.777 ± 53.962 $\chi^2/\text{NDF}: 8.5/12$

In: 58.360 ± 14.648 $\chi^2/\text{NDF}: 34.0/27$

Out: 32.532 ± 13.886 $\chi^2/\text{NDF}: 26.9/32$

All: 44.758 ± 10.078 $\chi^2/\text{NDF}: 62.6/60$

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 147.661 $\pm$ 0.065 χ^2/NDF : 81729.4/4

Left Out: 58.793 $\pm$ 0.010 χ^2/NDF :1460561.7/24

Right Out: 143.463 $\pm$ 0.047 χ^2/NDF : 681704.8/7

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

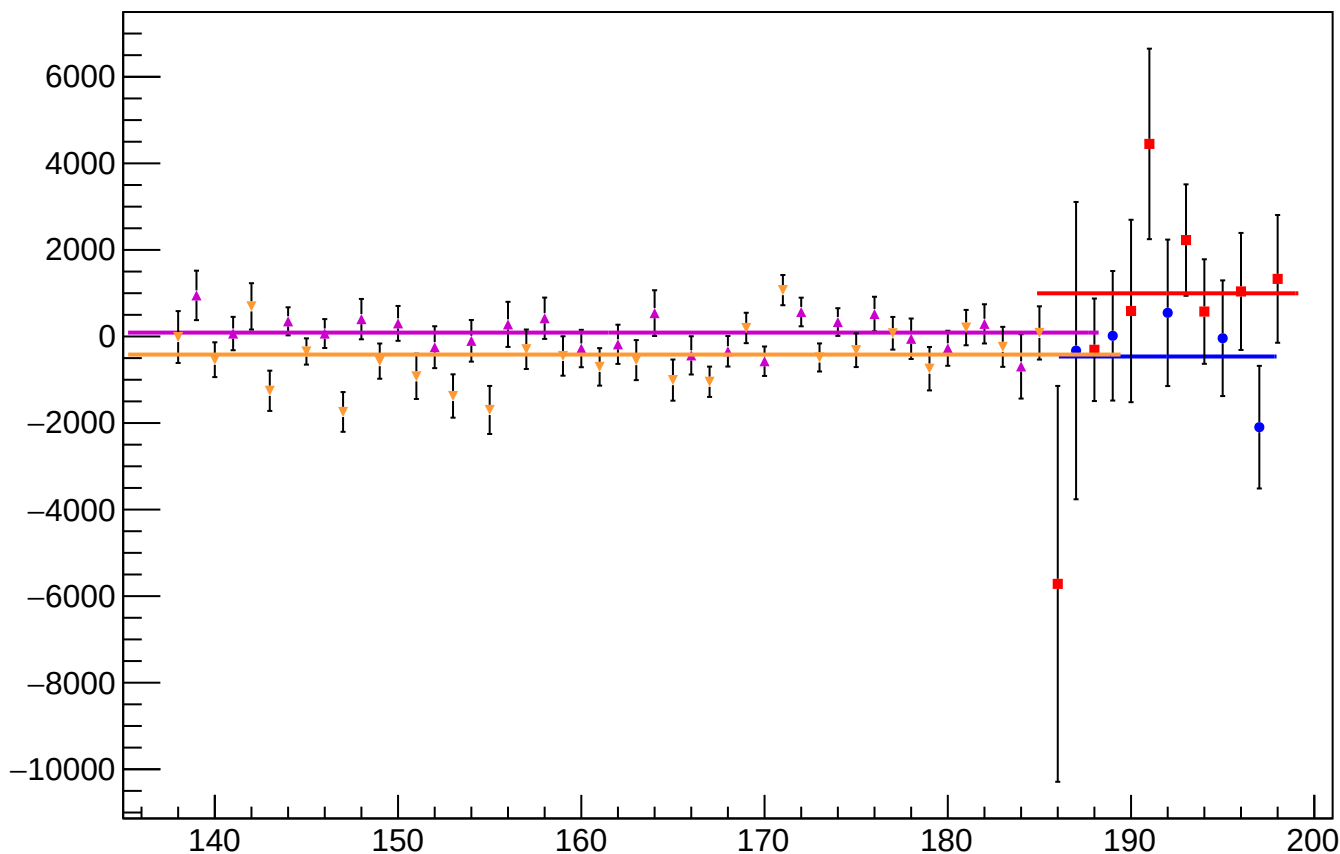
Right: 144.922 $\pm$ 0.038 χ^2/NDF : 766178.4/12

In: 62.590 $\pm$ 0.010 χ^2/NDF :3071530.3/27

Out: 62.452 $\pm$ 0.010 χ^2/NDF :5216780.0/32

All: 62.517 $\pm$ 0.007 χ^2/NDF : 8288403.2/60

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -462.645+/-718.252 χ^2/NDF : 1.9/4

Left Out: -417.817+/-84.969 χ^2/NDF : 58.5/24

Right Out: 997.294+/-535.499 χ^2/NDF : 7.0/7

Left In: 89.505+/-86.438 χ^2/NDF : 19.4/22

Left: -168.504+/-60.595 χ^2/NDF : 95.4/47

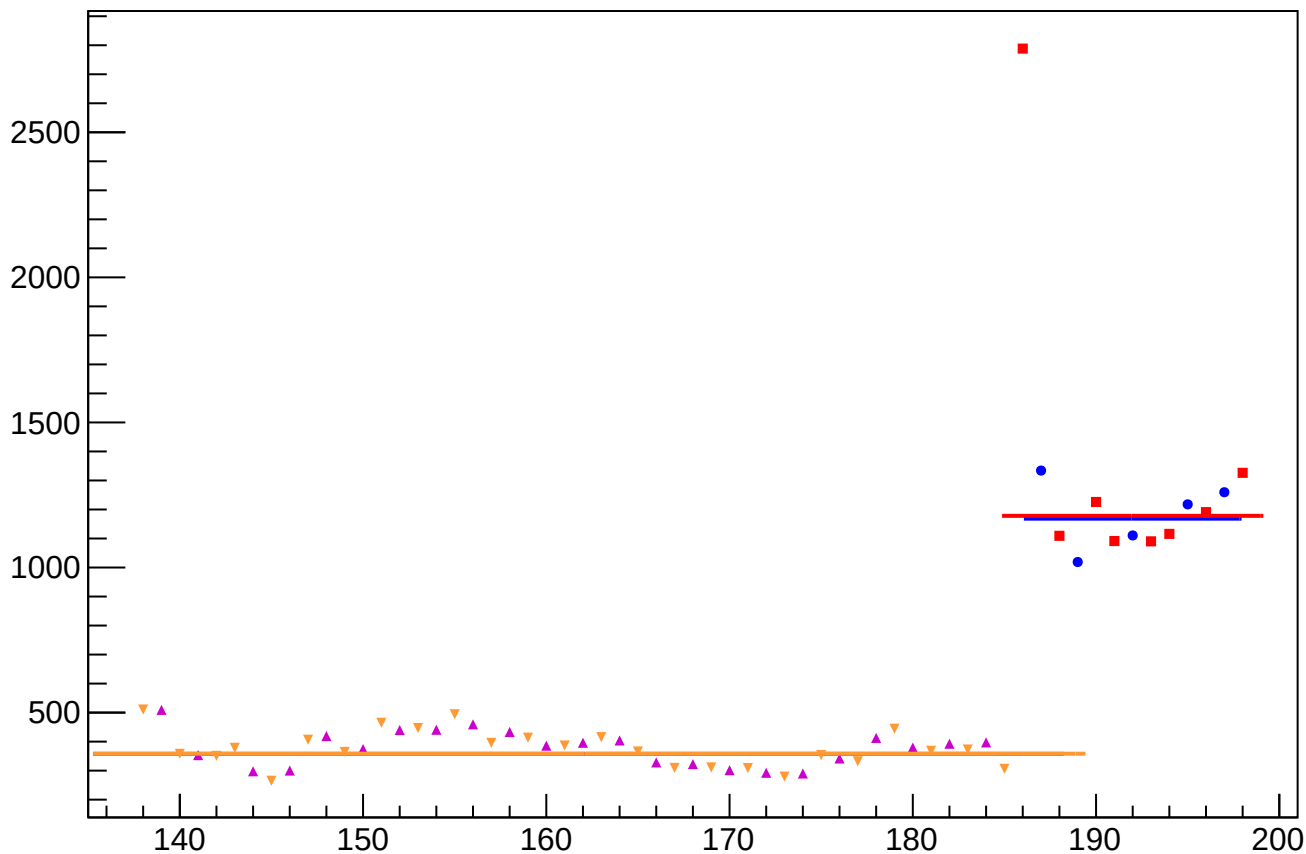
Right: 475.706+/-429.313 χ^2/NDF : 11.5/12

In: 81.622+/-85.819 χ^2/NDF : 21.9/27

Out: -383.064+/-83.920 χ^2/NDF : 72.3/32

All: -155.920+/-60.000 χ^2/NDF : 109.1/60

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 1168.474 $\pm$ 0.508 χ^2 /NDF: 37915.4/4

Left Out: 358.349 $\pm$ 0.060 χ^2 /NDF:1011872.8/24

Right Out: 1178.146 $\pm$ 0.379 χ^2 /NDF: 293776.2/7

Left In: 357.802 $\pm$ 0.061 χ^2 /NDF:893330.5/22

Left: 358.080 $\pm$ 0.043 χ^2 /NDF: 1905244.1/47

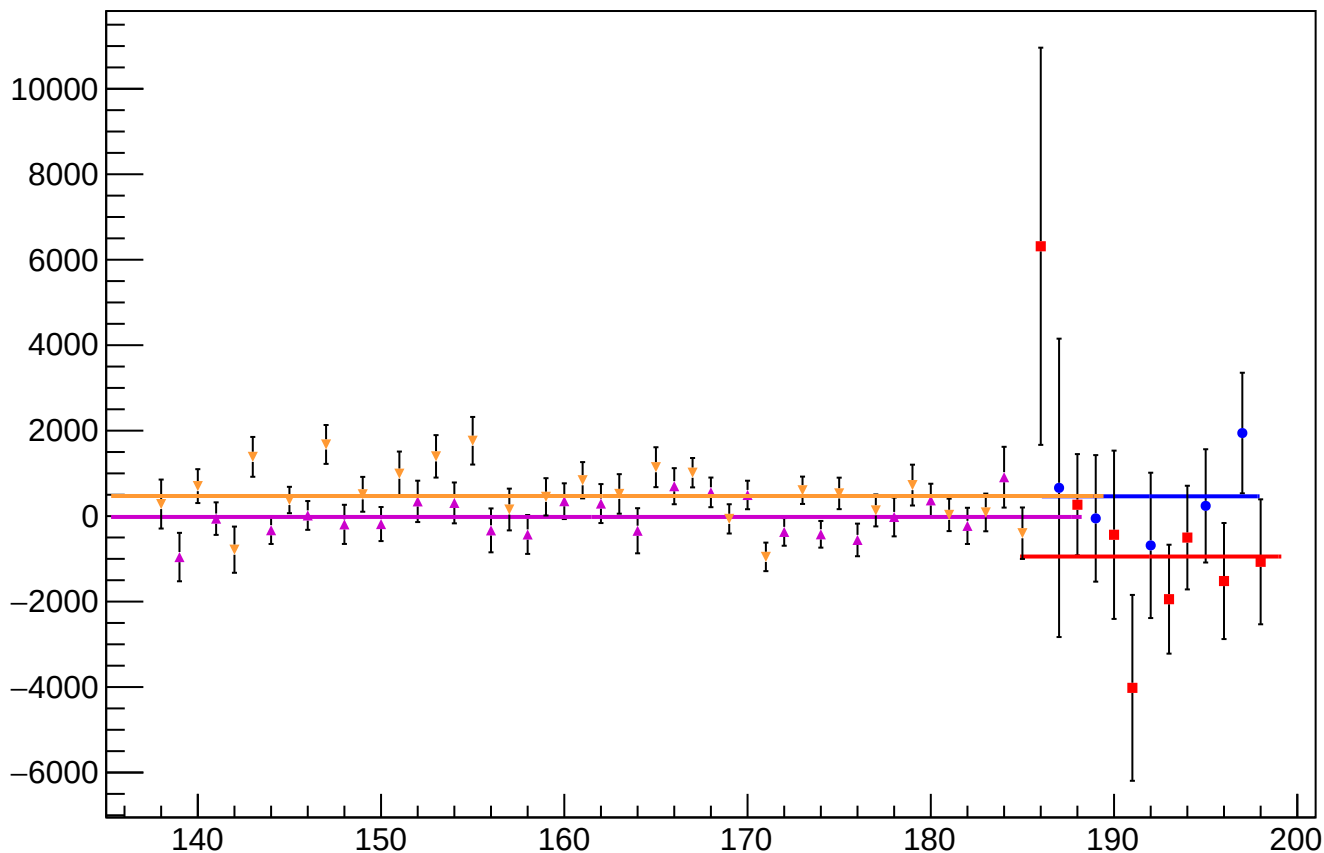
Right: 1174.690 $\pm$ 0.304 χ^2 /NDF: 331924.7/12

In: 369.375 $\pm$ 0.061 χ^2 /NDF:3442679.8/27

Out: 378.482 $\pm$ 0.059 χ^2 /NDF:5877869.8/32

All: 374.031 $\pm$ 0.042 χ^2 /NDF: 9332063.7/60

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 463.507 $\pm$ 715.120 χ^2 /NDF: 1.7/4

Left Out: 470.804 $\pm$ 83.480 χ^2 /NDF:58.7/24

Right Out: -945.698 $\pm$ 531.966 χ^2 /NDF: 6.5/7

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

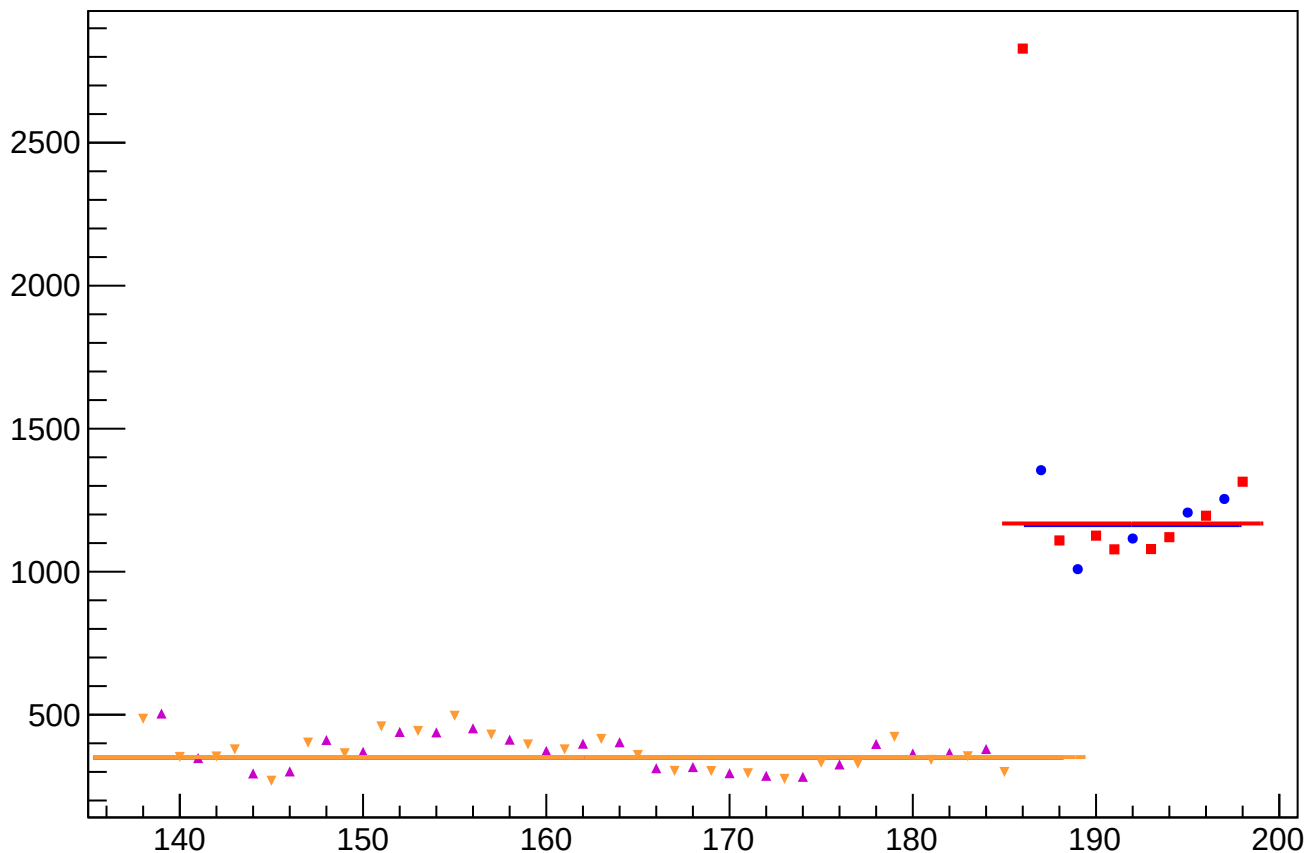
Right: -443.689 $\pm$ 426.823 χ^2 /NDF: 10.7/12

In: -12.651 $\pm$ 84.092 χ^2 /NDF:25.8/27

Out: 436.760 $\pm$ 82.470 χ^2 /NDF:72.1/32

All: 216.429 $\pm$ 58.880 χ^2 /NDF: 112.5/60

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 1162.953+/-0.506 χ^2/NDF : 39786.5/4

Left Out: 351.777+/-0.059 χ^2/NDF : 1016791.1/24

Right Out: 1168.578+/-0.376 χ^2/NDF : 298372.1/7

Left In: 350.037+/-0.060 χ^2/NDF : 889435.7/22

Left: 350.919+/-0.042 χ^2/NDF : 1906655.0/47

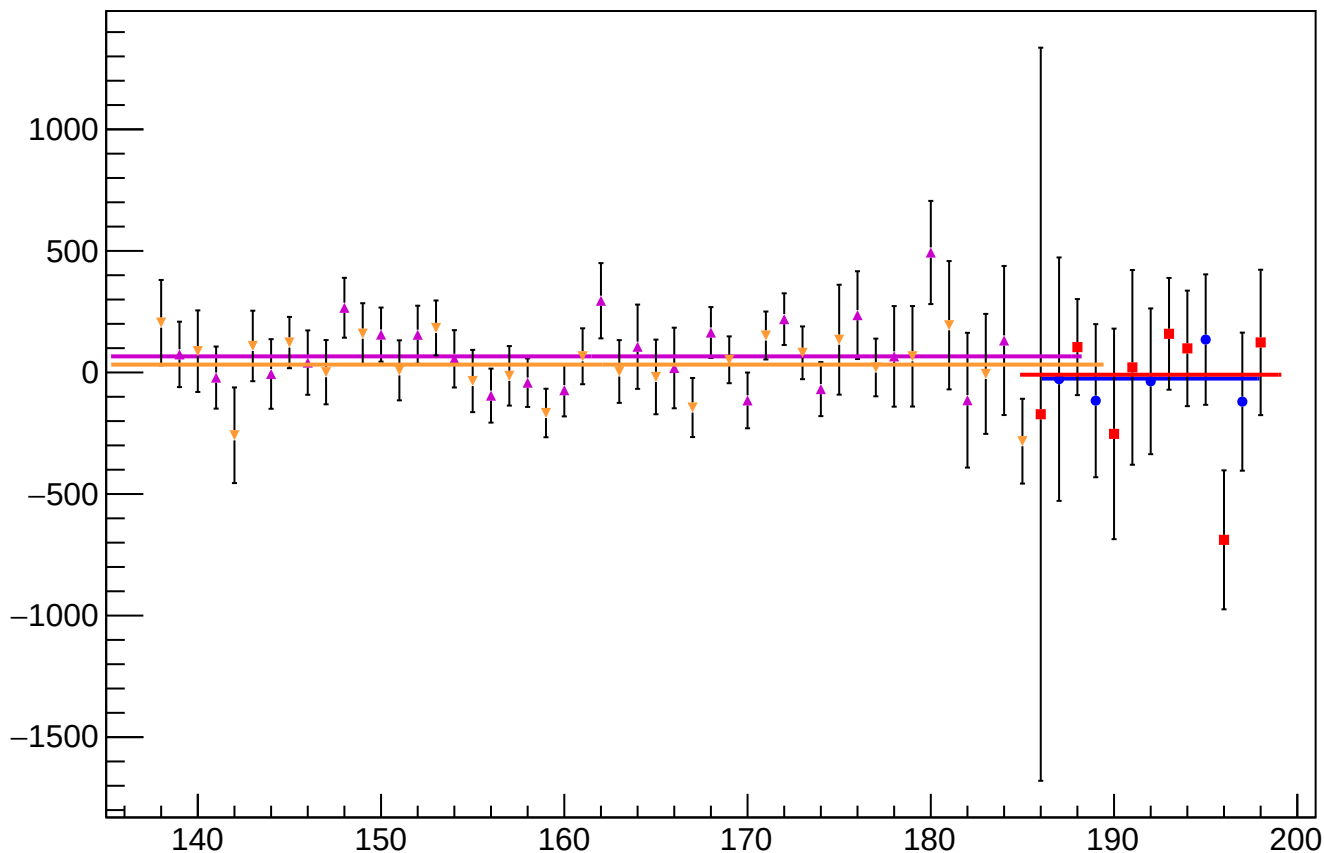
Right: 1166.574+/-0.302 χ^2/NDF : 338238.3/12

In: 361.278+/-0.059 χ^2/NDF : 3477909.8/27

Out: 371.408+/-0.058 χ^2/NDF : 5916972.0/32

All: 366.442+/-0.042 χ^2/NDF : 9409676.7/60

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -25.132 ± 139.340 χ^2/NDF : 0.6/4

Left Out: 32.332 ± 26.320 χ^2/NDF : 19.6/24

Right Out: -9.238 ± 101.178 χ^2/NDF : 7.3/7

Left In: 66.254 ± 27.450 χ^2/NDF : 24.2/22

Left: 48.580 ± 18.998 χ^2/NDF : 44.6/47

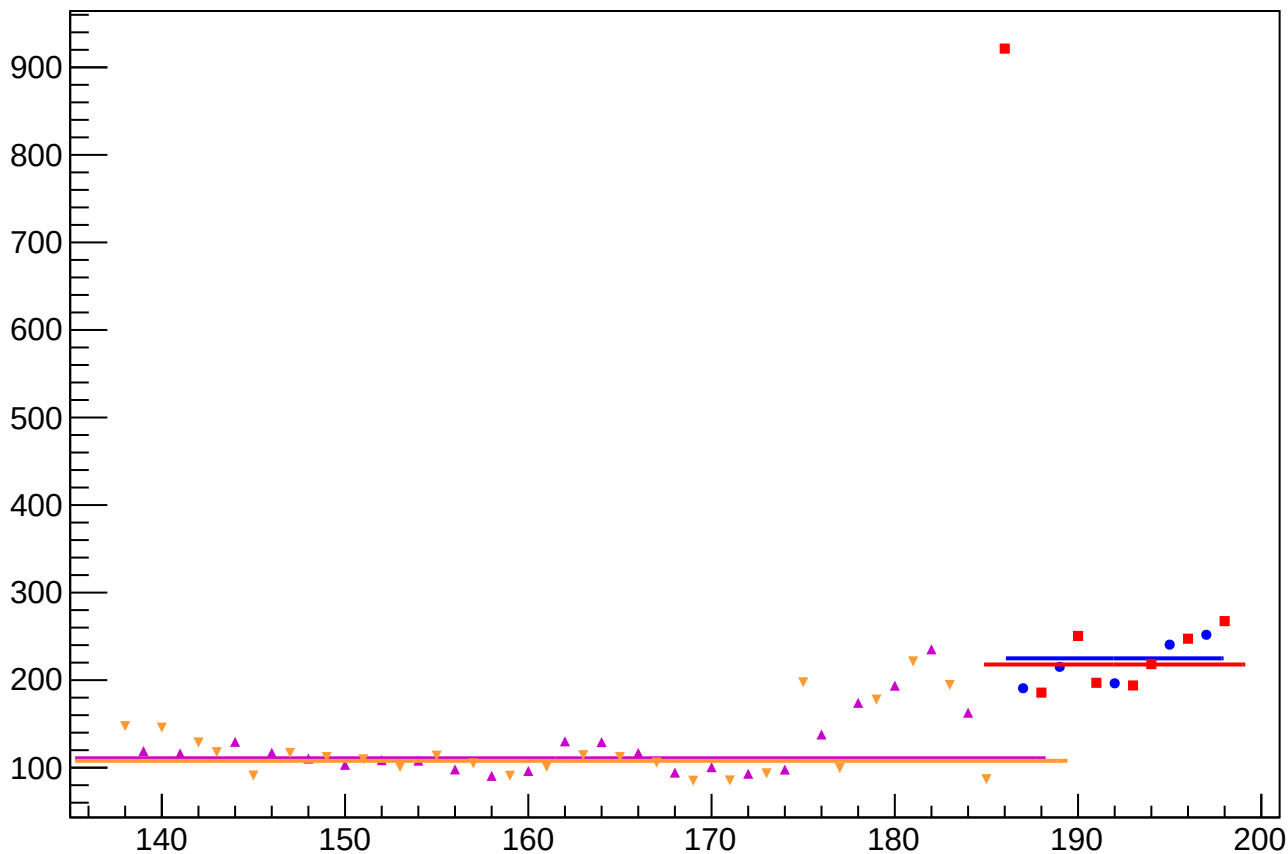
Right: -14.725 ± 81.871 χ^2/NDF : 7.8/12

In: 62.840 ± 26.933 χ^2/NDF : 25.2/27

Out: 29.697 ± 25.472 χ^2/NDF : 27.0/32

All: 45.346 ± 18.506 χ^2/NDF : 53.0/60

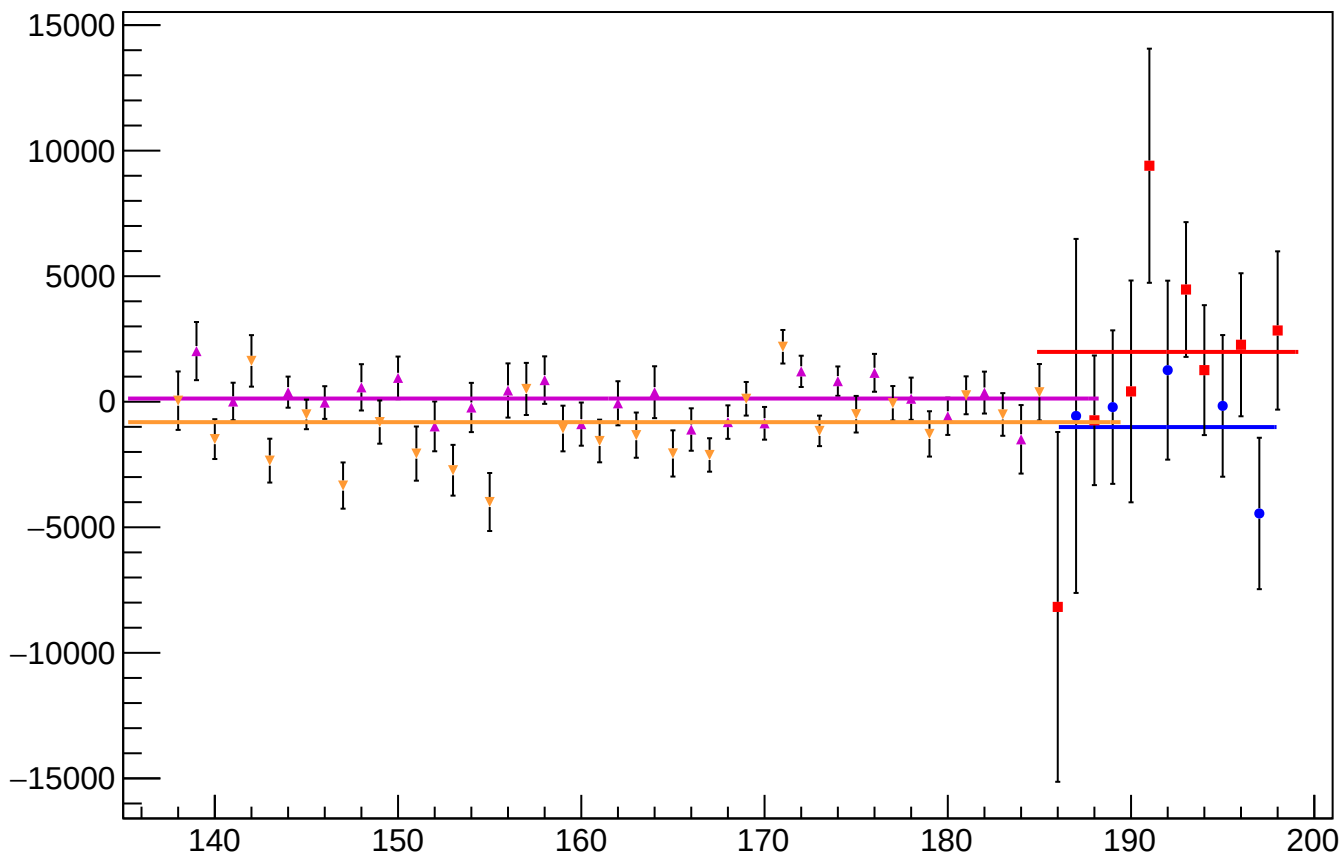
dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 224.888 $\pm$ 0.099 χ^2 /NDF: 54165.7/4
 Left Out: 107.852 $\pm$ 0.019 χ^2 /NDF:1833747.9/24
 Right Out: 217.860 $\pm$ 0.072 χ^2 /NDF: 603034.3/7
 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: 220.286 $\pm$ 0.058 χ^2 /NDF: 660531.8/12
 In: 114.957 $\pm$ 0.019 χ^2 /NDF:2753920.4/27
 Out: 114.825 $\pm$ 0.018 χ^2 /NDF:4651218.2/32
 All: 114.887 $\pm$ 0.013 χ^2 /NDF: 7405164.2/60

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -1008.918+/-1504.909 χ^2/NDF : 1.9/4

Left Out: -813.029+/-164.102 χ^2/NDF : 66.2/24

Right Out: 1984.339+/-1132.208 χ^2/NDF : 6.9/7

Left In: 127.427+/-166.308 χ^2/NDF : 22.8/22

Left: -349.081+/-116.810 χ^2/NDF : 105.2/47

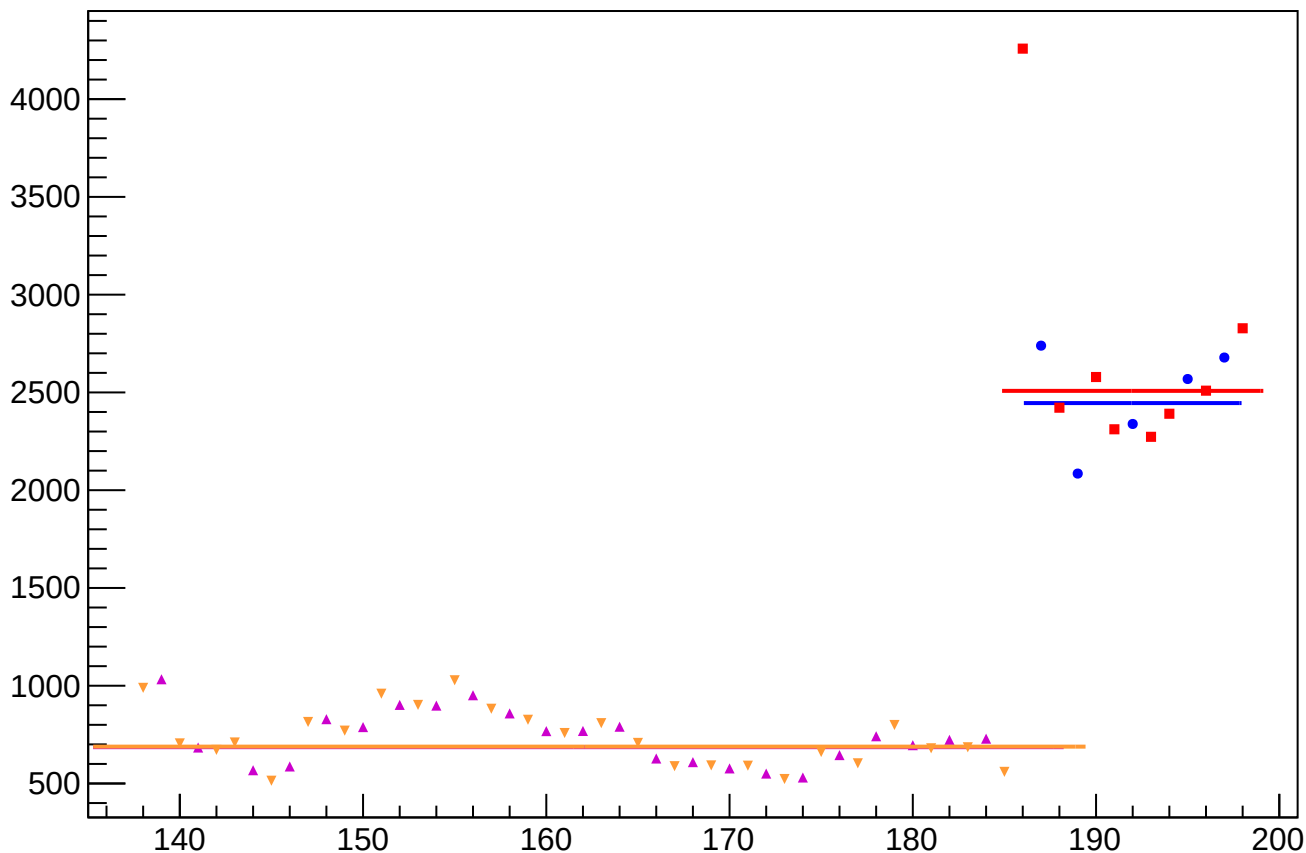
Right: 902.460+/-904.748 χ^2/NDF : 11.3/12

In: 113.717+/-165.302 χ^2/NDF : 25.2/27

Out: -755.472+/-162.405 χ^2/NDF : 79.1/32

All: -328.561+/-115.848 χ^2/NDF : 118.3/60

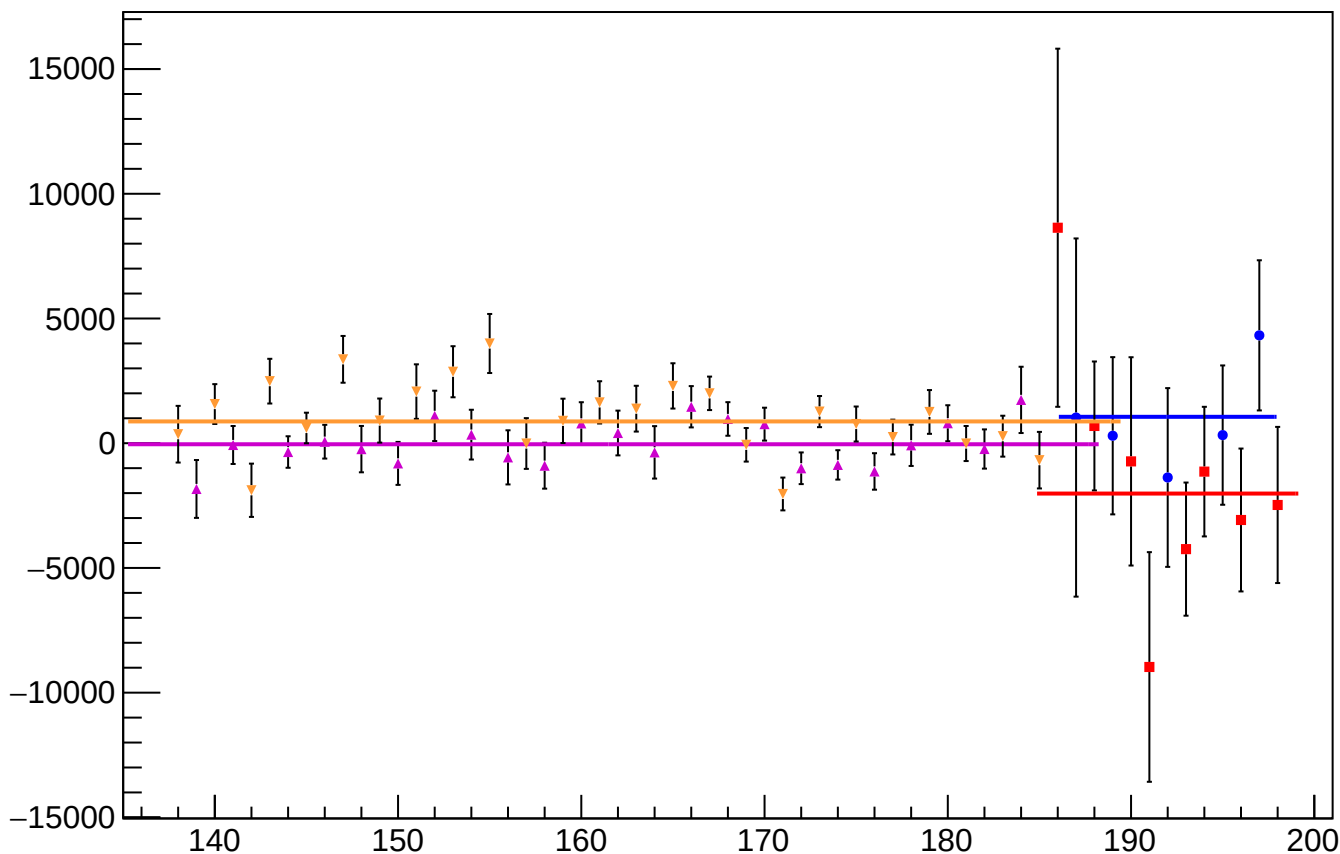
asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 2445.532 $\pm$ 1.064 χ^2 /NDF: 48832.2/4
 Left Out: 688.513 $\pm$ 0.116 χ^2 /NDF: 1287701.8/24
 Right Out: 2507.981 $\pm$ 0.801 χ^2 /NDF: 172624.1/7
 Left In: 685.733 $\pm$ 0.118 χ^2 /NDF: 1156263.7/22

Left: 687.142 $\pm$ 0.083 χ^2 /NDF: 2444248.5/47
 Right: 2485.409 $\pm$ 0.640 χ^2 /NDF: 223655.4/12
 In: 706.966 $\pm$ 0.117 χ^2 /NDF: 3906961.4/27
 Out: 725.949 $\pm$ 0.115 χ^2 /NDF: 6519004.4/32
 All: 716.625 $\pm$ 0.082 χ^2 /NDF: 10439386.7/60

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 1058.516 $\pm$ 1513.428 χ^2 /NDF: 1.8/4

Left Out: 873.446 $\pm$ 164.269 χ^2 /NDF: 64.1/24

Right Out: -2018.238 $\pm$ 1127.823 χ^2 /NDF: 6.6/7

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

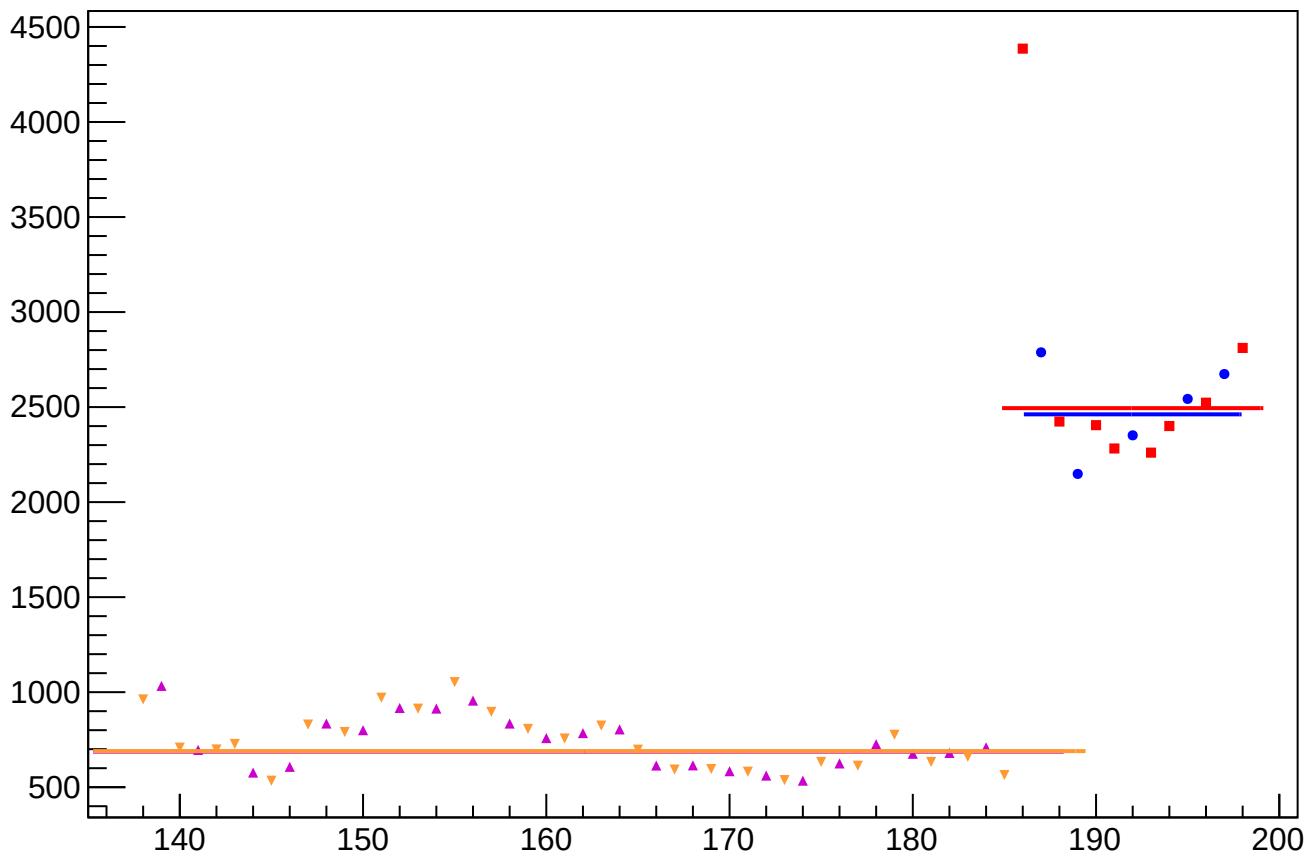
Right: -919.673 $\pm$ 904.333 χ^2 /NDF: 11.1/12

In: -28.332 $\pm$ 165.725 χ^2 /NDF: 26.4/27

Out: 813.376 $\pm$ 162.553 χ^2 /NDF: 77.2/32

All: 400.653 $\pm$ 116.048 χ^2 /NDF: 116.8/60

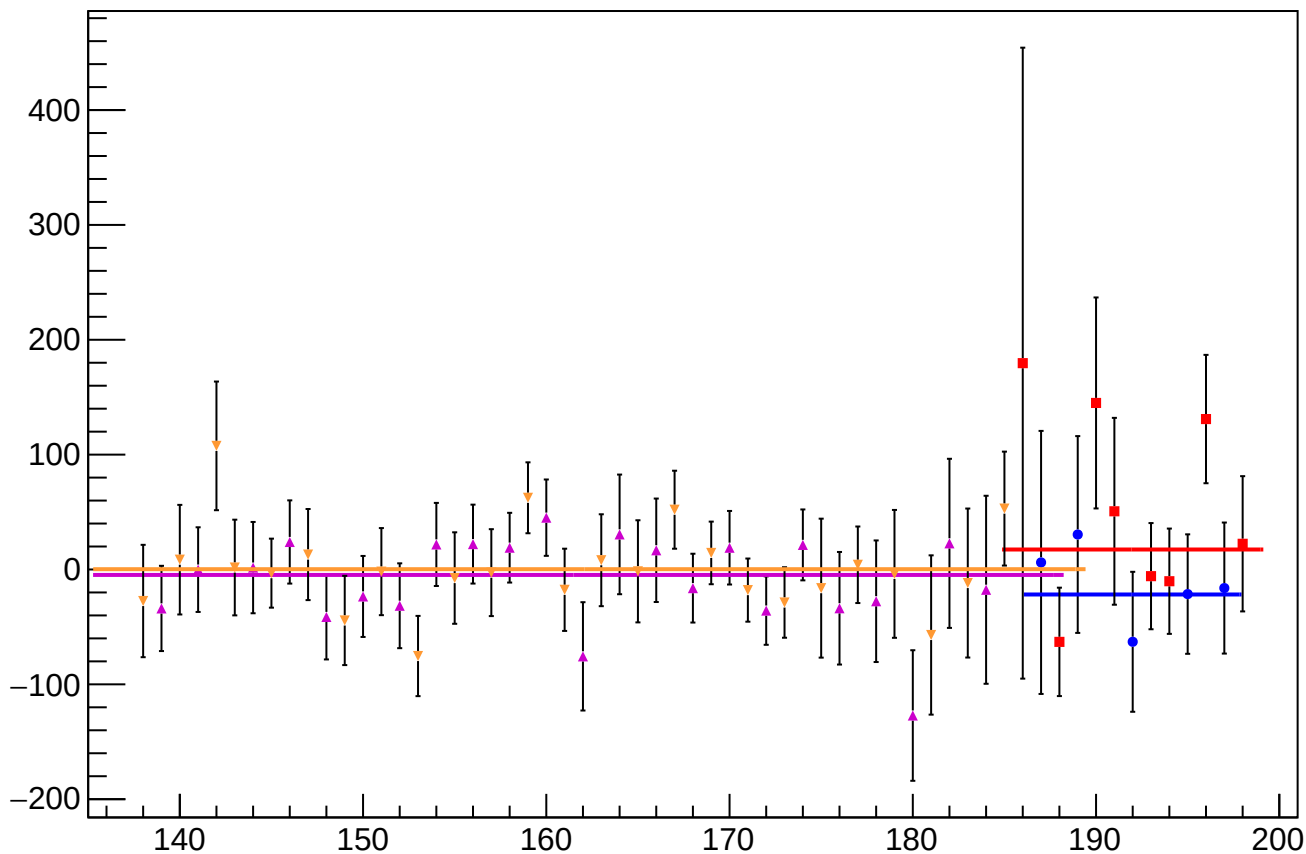
asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 2461.801 $\pm$ 1.070 χ^2 /NDF: 37425.6/4
 Left Out: 689.767 $\pm$ 0.116 χ^2 /NDF:1258608.7/24
 Right Out: 2494.488 $\pm$ 0.797 χ^2 /NDF: 184224.4/7
 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: 2482.817 $\pm$ 0.639 χ^2 /NDF: 222249.8/12
 In: 708.226 $\pm$ 0.117 χ^2 /NDF:3871121.7/27
 Out: 727.257 $\pm$ 0.115 χ^2 /NDF:6457613.8/32
 All: 717.925 $\pm$ 0.082 χ^2 /NDF: 10342177.5/60

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -21.772 ± 29.376 $\chi^2/\text{NDF}: 0.9/4$

Left Out: 0.254 ± 7.690 $\chi^2/\text{NDF}: 20.4/24$

Right Out: 17.393 ± 20.922 $\chi^2/\text{NDF}: 10.1/7$

Left In: -4.745 ± 7.976 $\chi^2/\text{NDF}: 17.9/22$

Left: -2.154 ± 5.536 $\chi^2/\text{NDF}: 38.5/47$

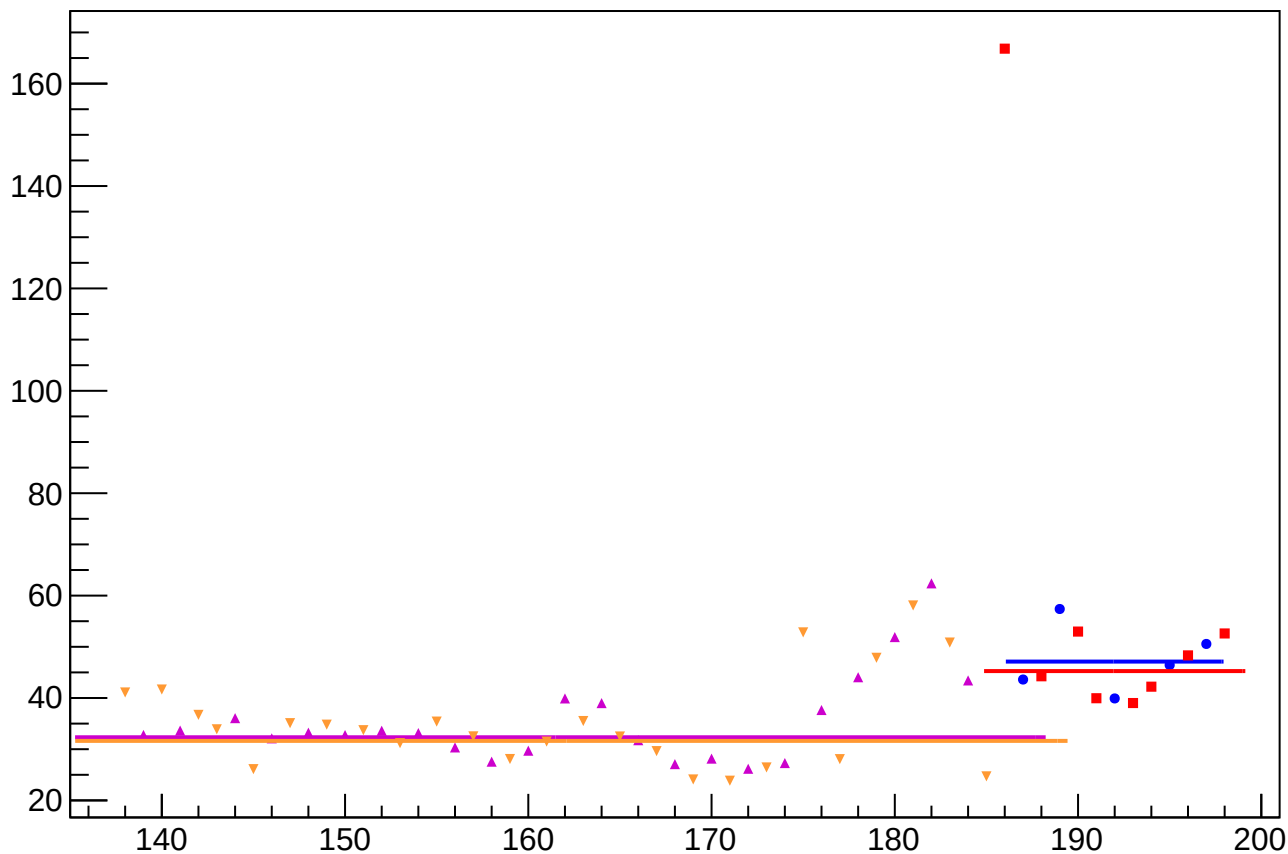
Right: 4.212 ± 17.042 $\chi^2/\text{NDF}: 12.2/12$

In: -5.914 ± 7.697 $\chi^2/\text{NDF}: 19.1/27$

Out: 2.294 ± 7.218 $\chi^2/\text{NDF}: 31.1/32$

All: -1.547 ± 5.265 $\chi^2/\text{NDF}: 50.8/60$

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 47.115 $\pm$ 0.021 χ^2 /NDF: 66177.2/4

Left Out: 31.624 $\pm$ 0.005 χ^2 /NDF:1673431.1/24

Right Out: 45.259 $\pm$ 0.015 χ^2 /NDF: 497769.4/7

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

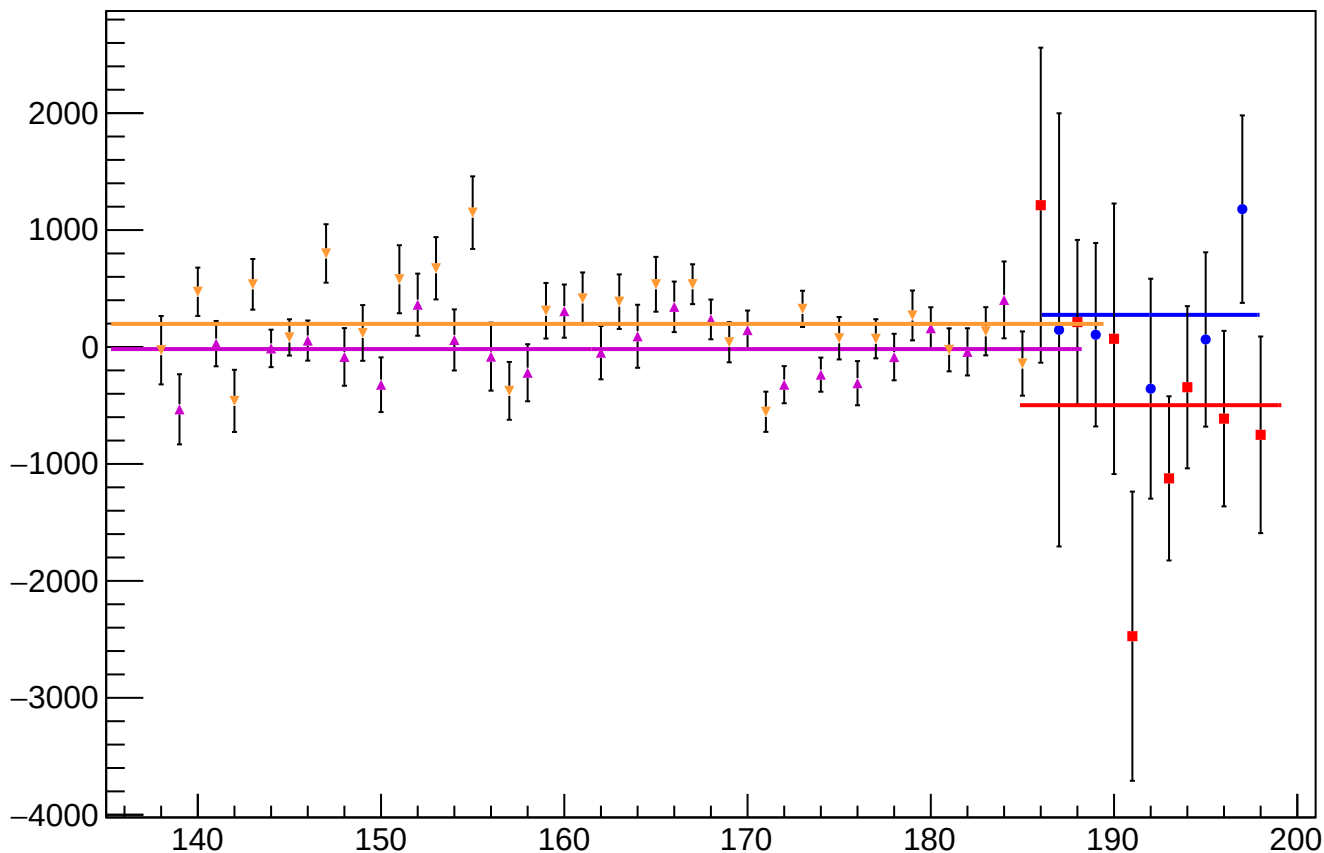
Right: 45.883 $\pm$ 0.012 χ^2 /NDF: 569244.8/12

In: 33.346 $\pm$ 0.005 χ^2 /NDF:1679435.6/27

Out: 33.247 $\pm$ 0.005 χ^2 /NDF:2919415.8/32

All: 33.293 $\pm$ 0.004 χ^2 /NDF: 4599027.6/60

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 274.976 $\pm$ 395.164 χ^2 /NDF: 1.9/4

Left Out: 197.682 $\pm$ 41.831 χ^2 /NDF:69.9/24

Right Out: -497.517 $\pm$ 297.824 χ^2 /NDF: 6.4/7

Left In: -17.742 $\pm$ 42.576 χ^2 /NDF:27.1/22

Left: 91.870 $\pm$ 29.839 χ^2 /NDF: 110.0/47

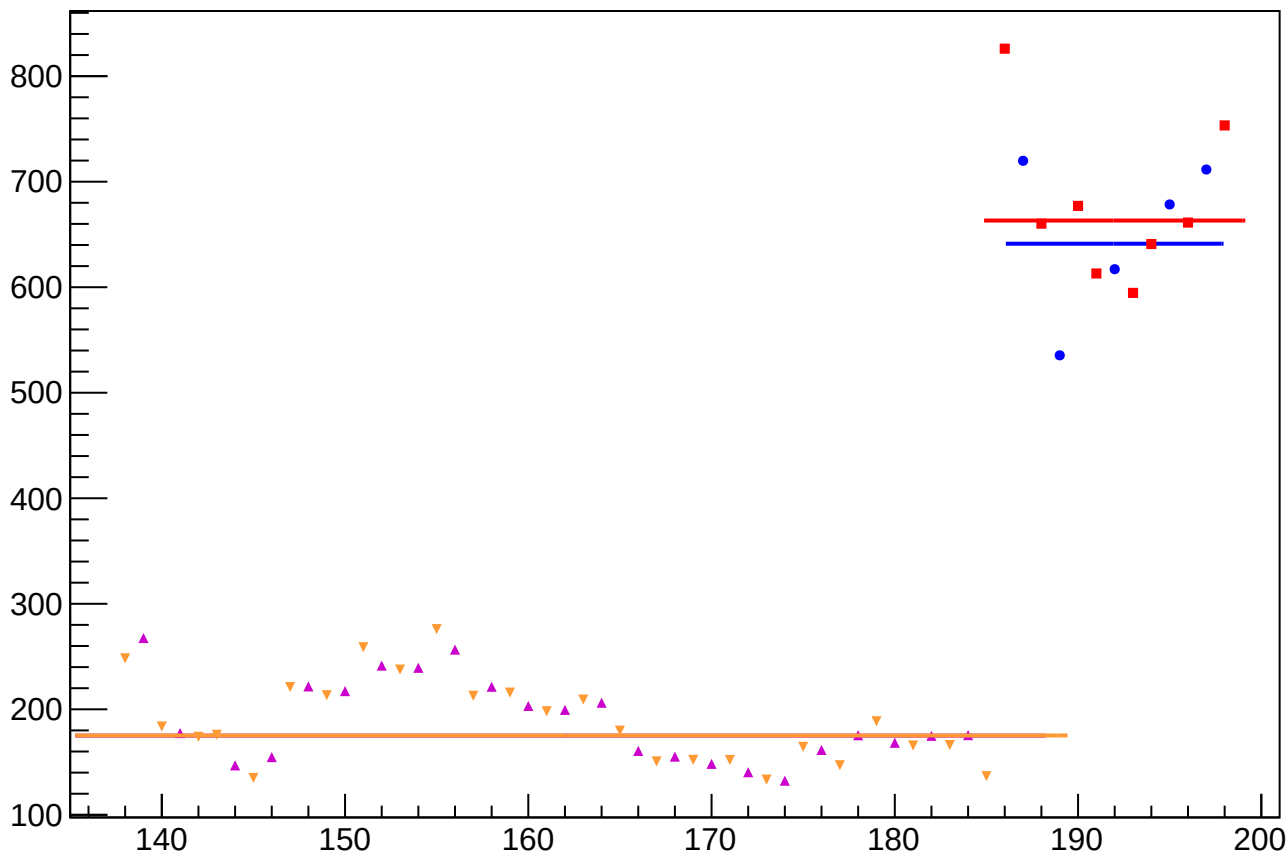
Right: -217.679 $\pm$ 237.839 χ^2 /NDF: 10.7/12

In: -14.383 $\pm$ 42.331 χ^2 /NDF:29.5/27

Out: 184.233 $\pm$ 41.425 χ^2 /NDF:81.6/32

All: 87.074 $\pm$ 29.607 χ^2 /NDF: 122.3/60

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 641.227+/-0.279 χ^2/NDF : 61661.0/4

Left Out: 175.207+/-0.030 χ^2/NDF : 1418225.0/24

Right Out: 663.190+/-0.211 χ^2/NDF : 76991.3/7

Left In: 175.051+/-0.030 χ^2/NDF : 1339755.1/22

Left: 175.130+/-0.021 χ^2/NDF : 2757993.8/47

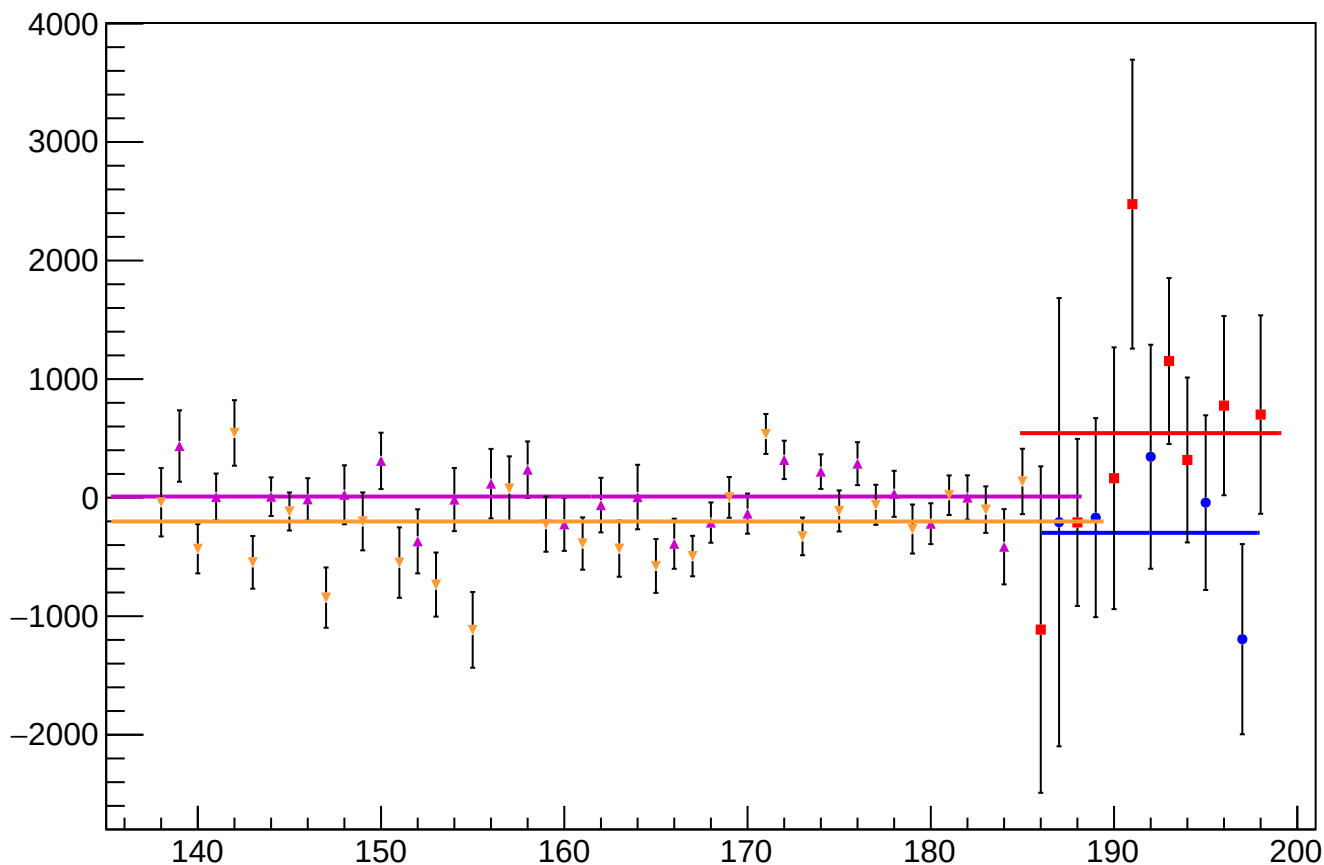
Right: 655.234+/-0.168 χ^2/NDF : 142592.4/12

In: 180.400+/-0.030 χ^2/NDF : 4152868.5/27

Out: 184.648+/-0.029 χ^2/NDF : 6760660.1/32

All: 182.570+/-0.021 χ^2/NDF : 10923814.9/60

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -296.633 ± 401.118 χ^2/NDF : 1.9/4

Left Out: -200.930 ± 41.741 χ^2/NDF : 65.5/24

Right Out: 544.288 ± 297.249 χ^2/NDF : 6.2/7

Left In: 9.384 ± 42.437 χ^2/NDF : 25.4/22

Left: -97.511 ± 29.758 χ^2/NDF : 103.4/47

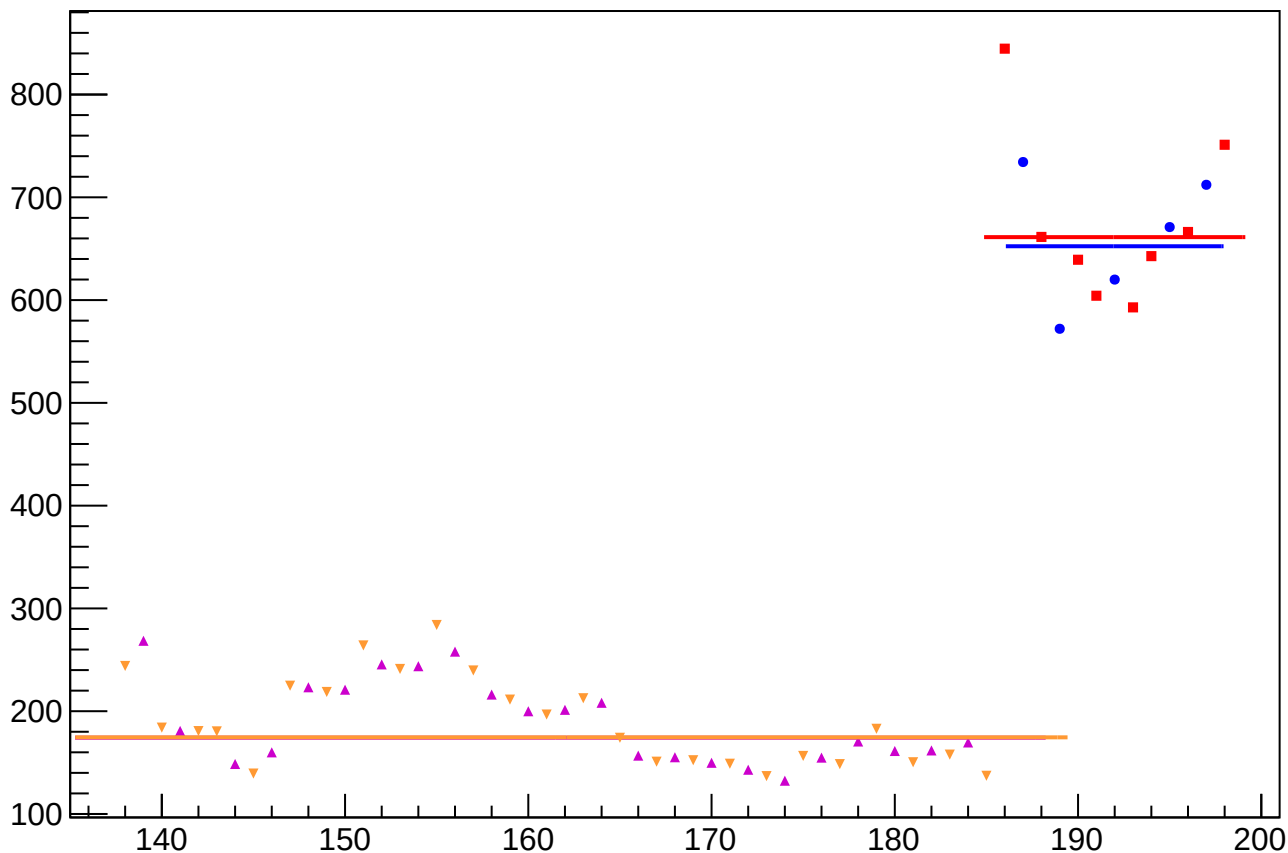
Right: 246.193 ± 238.821 χ^2/NDF : 10.9/12

In: 5.996 ± 42.201 χ^2/NDF : 27.8/27

Out: -186.519 ± 41.336 χ^2/NDF : 77.9/32

All: -92.256 ± 29.530 χ^2/NDF : 116.3/60

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 652.383 $\pm$ 0.284 χ^2 /NDF: 36808.0/4

Left Out: 174.567 $\pm$ 0.030 χ^2 /NDF:1532900.3/24

Right Out: 661.259 $\pm$ 0.210 χ^2 /NDF: 84255.5/7

Left In: 174.217 $\pm$ 0.030 χ^2 /NDF:1364600.9/22

Left: 174.395 $\pm$ 0.021 χ^2 /NDF: 2897570.3/47

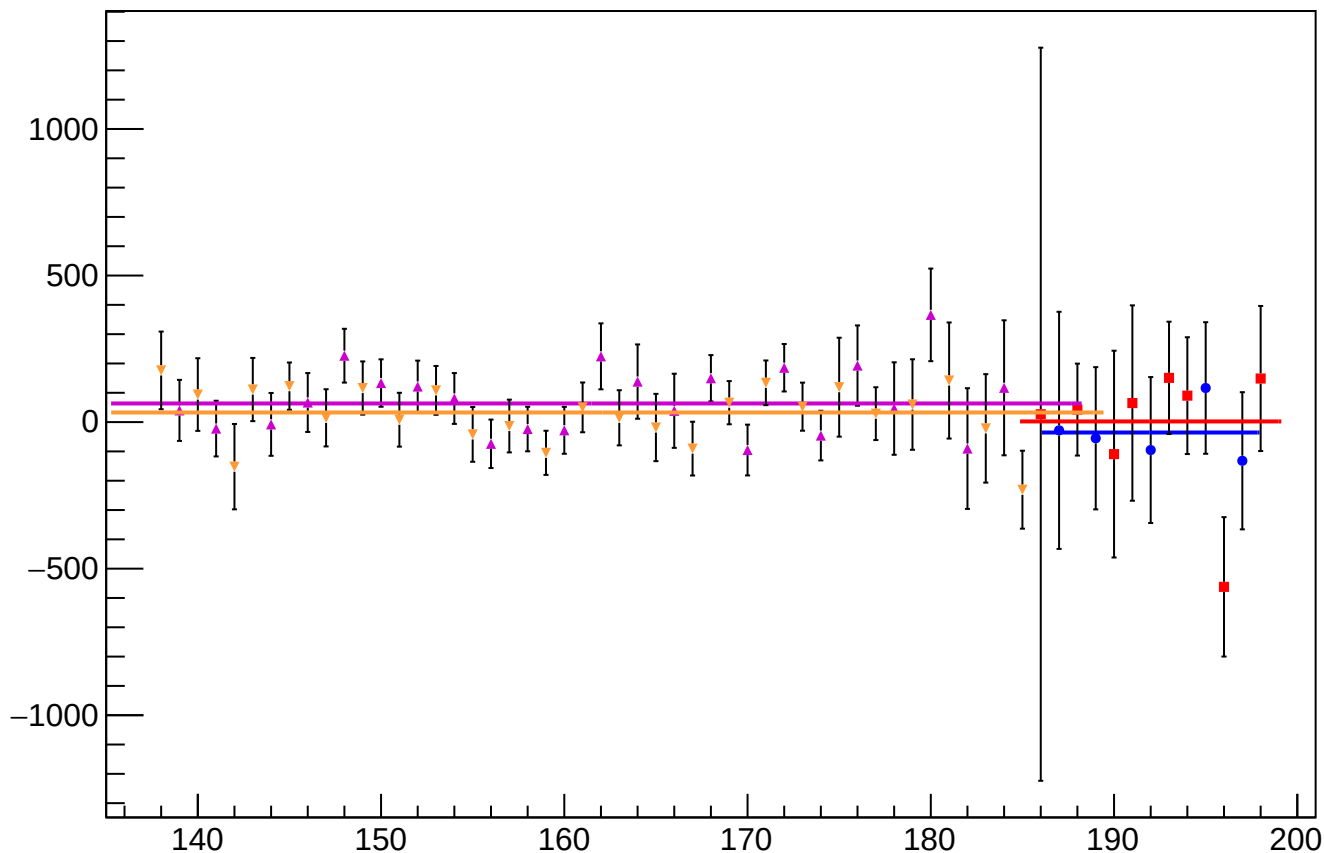
Right: 658.113 $\pm$ 0.169 χ^2 /NDF: 121695.7/12

In: 179.510 $\pm$ 0.030 χ^2 /NDF:4212071.3/27

Out: 183.978 $\pm$ 0.029 χ^2 /NDF:6875141.6/32

All: 181.790 $\pm$ 0.021 χ^2 /NDF: 11098657.9/60

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: -35.505 ± 113.699 χ^2/NDF : 0.7/4

Left Out: 32.793 ± 19.705 χ^2/NDF : 19.5/24

Right Out: 2.290 ± 83.108 χ^2/NDF : 7.0/7

Left In: 63.566 ± 20.573 χ^2/NDF : 27.2/22

Left: 47.517 ± 14.231 χ^2/NDF : 47.9/47

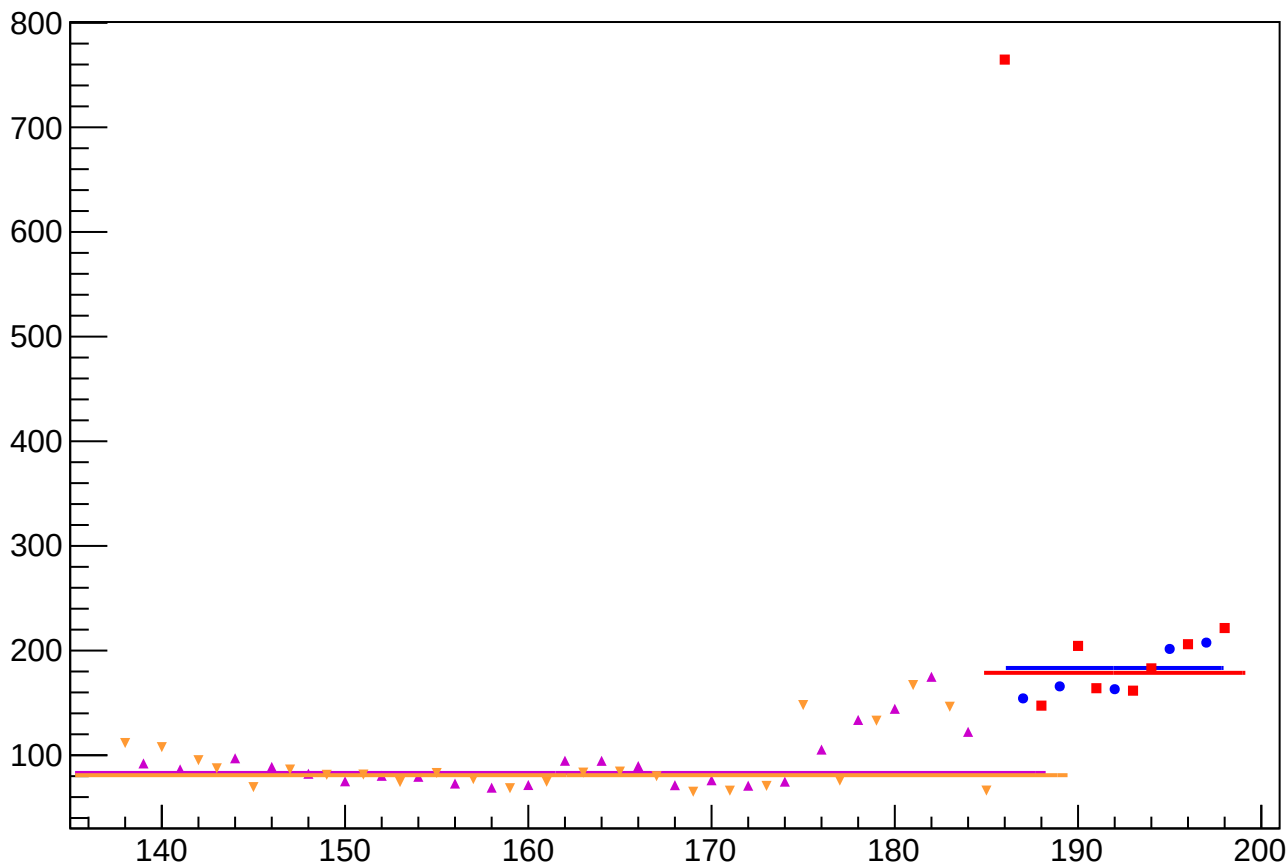
Right: -10.871 ± 67.095 χ^2/NDF : 7.7/12

In: 60.425 ± 20.245 χ^2/NDF : 28.6/27

Out: 31.170 ± 19.174 χ^2/NDF : 26.6/32

All: 45.003 ± 13.921 χ^2/NDF : 56.3/60

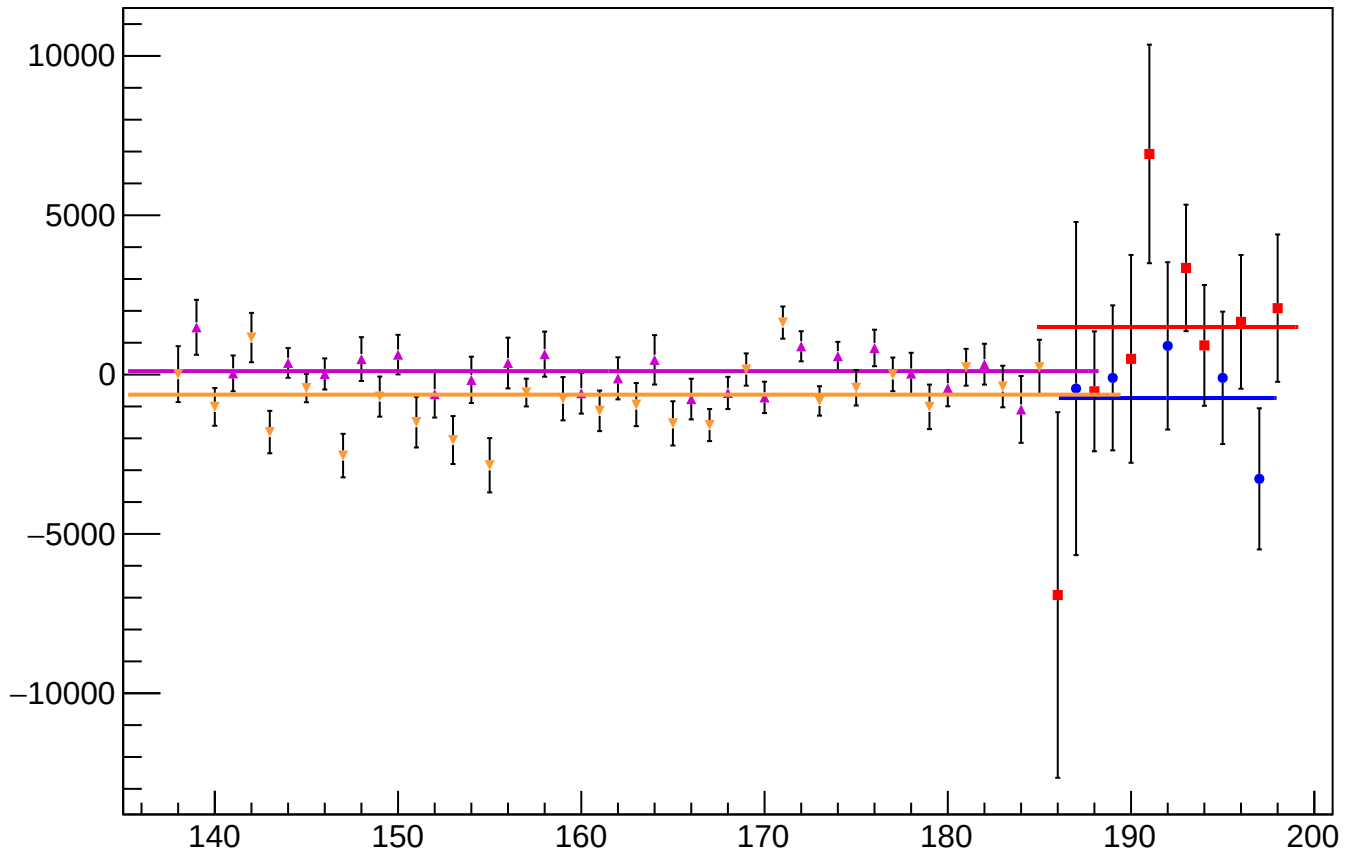
dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 183.378 $\pm$ 0.080 χ^2/NDF : 68681.7/4
 Left Out: 80.926 $\pm$ 0.014 χ^2/NDF :1760910.0/24
 Right Out: 178.733 $\pm$ 0.059 χ^2/NDF : 636579.3/7
 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: 180.351 $\pm$ 0.047 χ^2/NDF : 707436.7/12
 In: 86.251 $\pm$ 0.014 χ^2/NDF :2981072.9/27
 Out: 86.132 $\pm$ 0.014 χ^2/NDF :5020084.3/32
 All: 86.188 $\pm$ 0.010 χ^2/NDF : 8001193.1/60

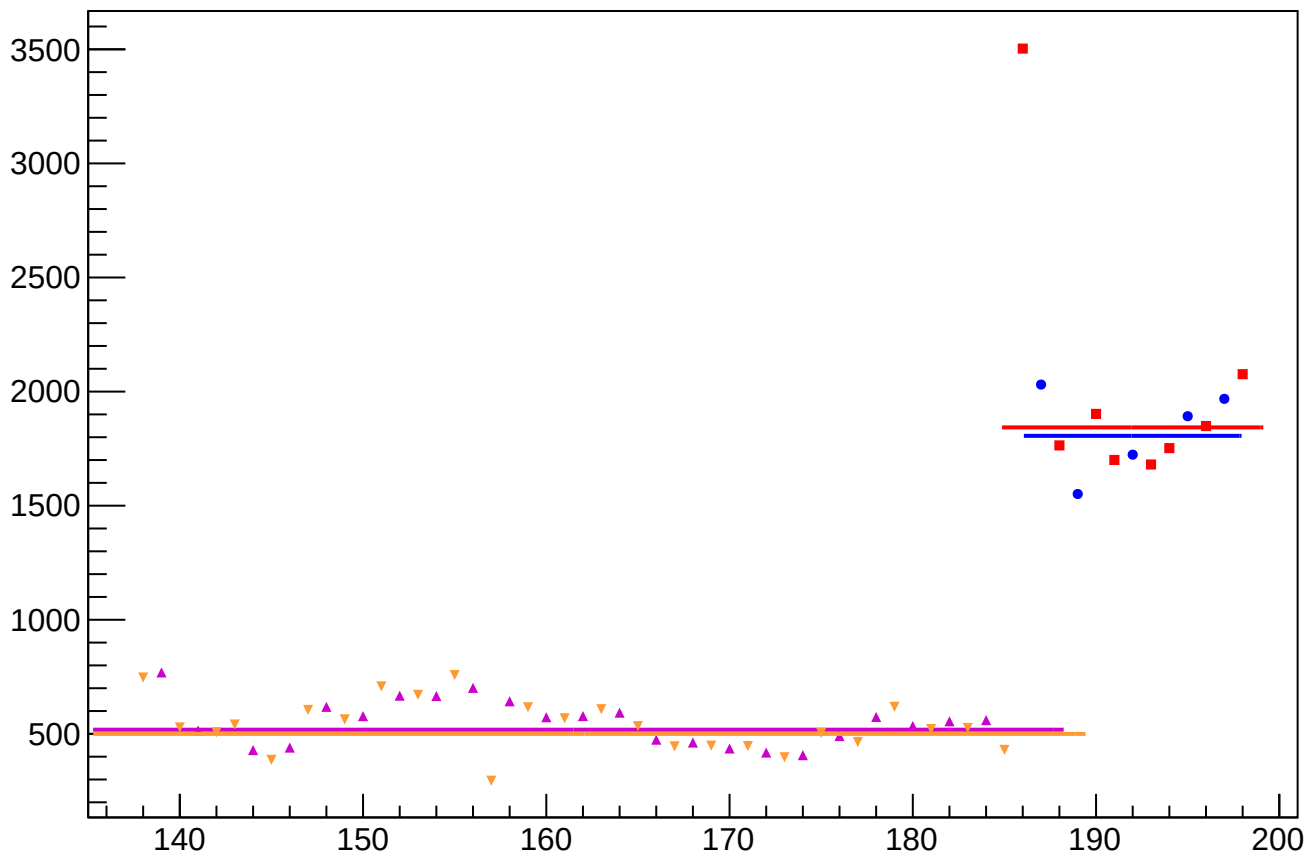
asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -735.205+/-1110.950 χ^2/NDF : 1.9/4
 Left Out: -629.005+/-120.608 χ^2/NDF : 63.2/24
 Right Out: 1493.377+/-833.930 χ^2/NDF : 6.9/7
 Left In: 108.821+/-125.527 χ^2/NDF : 21.4/22

Left: -274.832+/-86.970 χ^2/NDF : 102.6/47
 Right: 690.203+/-666.937 χ^2/NDF : 11.4/12
 In: 98.182+/-124.734 χ^2/NDF : 23.9/27
 Out: -585.521+/-119.366 χ^2/NDF : 76.4/32
 All: -258.697+/-86.240 χ^2/NDF : 116.0/60

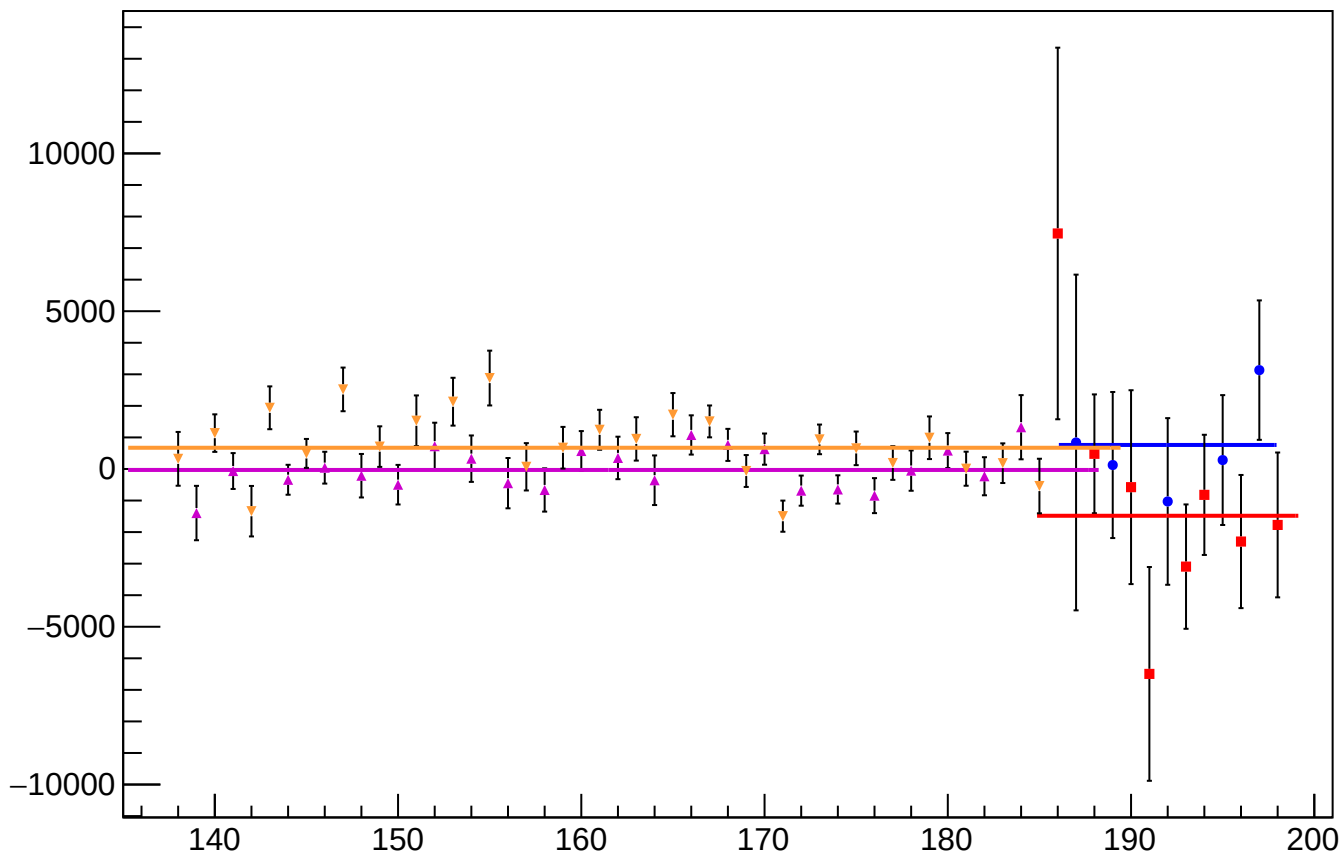
asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 1806.080+/-0.786 χ^2/NDF : 44916.8/4
 Left Out: 499.813+/-0.085 χ^2/NDF : 1626530.8/24
 Right Out: 1843.070+/-0.590 χ^2/NDF : 213517.9/7
 Left In: 518.244+/-0.089 χ^2/NDF : 1071993.3/22

Left: 508.660+/-0.061 χ^2/NDF : 2720944.9/47
 Right: 1829.739+/-0.472 χ^2/NDF : 259852.8/12
 In: 534.479+/-0.088 χ^2/NDF : 3770615.4/27
 Out: 527.334+/-0.084 χ^2/NDF : 6922796.9/32
 All: 530.749+/-0.061 χ^2/NDF : 10696837.8/60

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 761.438+/-1113.585 χ^2/NDF : 1.7/4

Left Out: 672.498+/-123.428 χ^2/NDF : 62.8/24

Right Out: -1482.696+/-829.949 χ^2/NDF : 6.6/7

Left In: -31.056+/-125.236 χ^2/NDF : 23.8/22

Left: 325.838+/-87.909 χ^2/NDF : 102.6/47

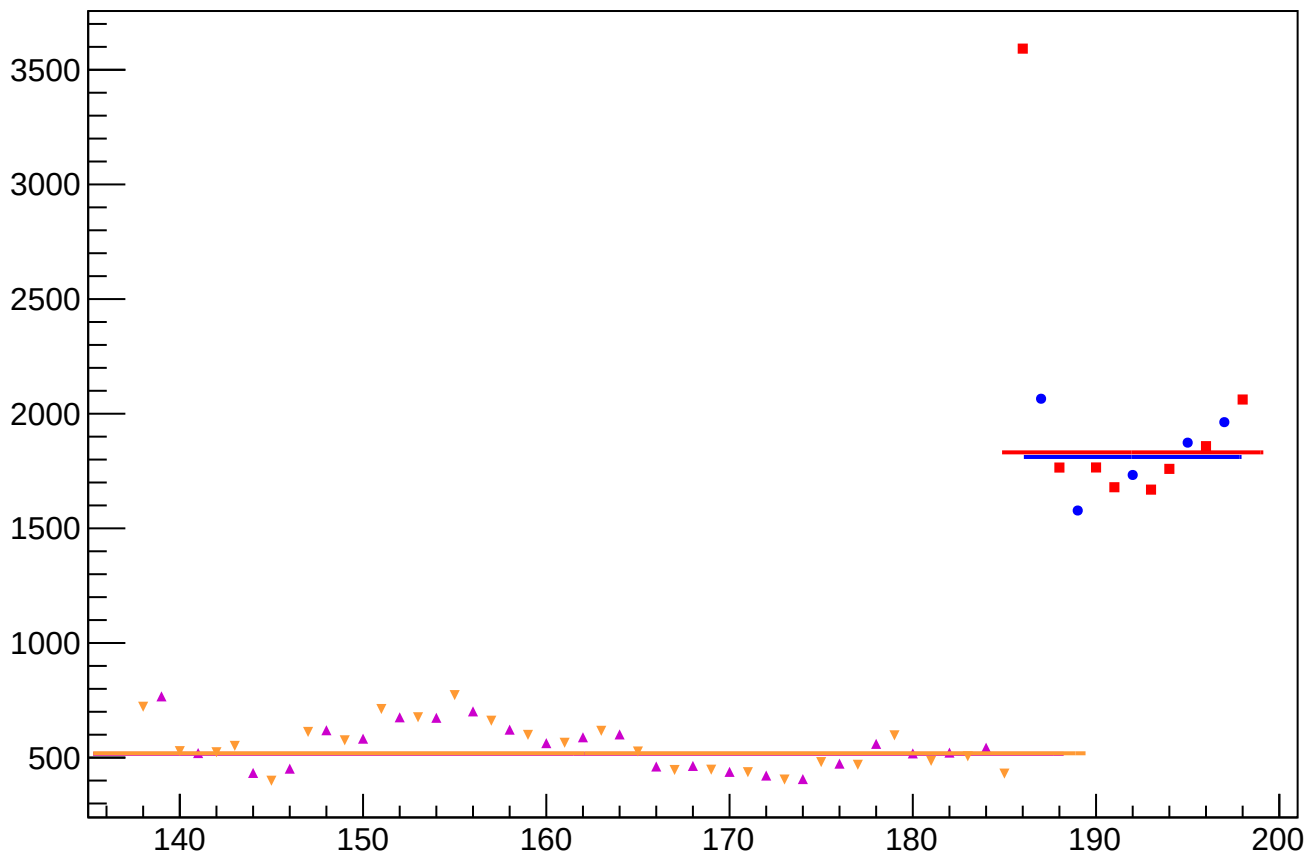
Right: -681.305+/-665.459 χ^2/NDF : 11.0/12

In: -21.158+/-124.452 χ^2/NDF : 26.1/27

Out: 625.863+/-122.085 χ^2/NDF : 76.0/32

All: 308.563+/-87.152 χ^2/NDF : 115.8/60

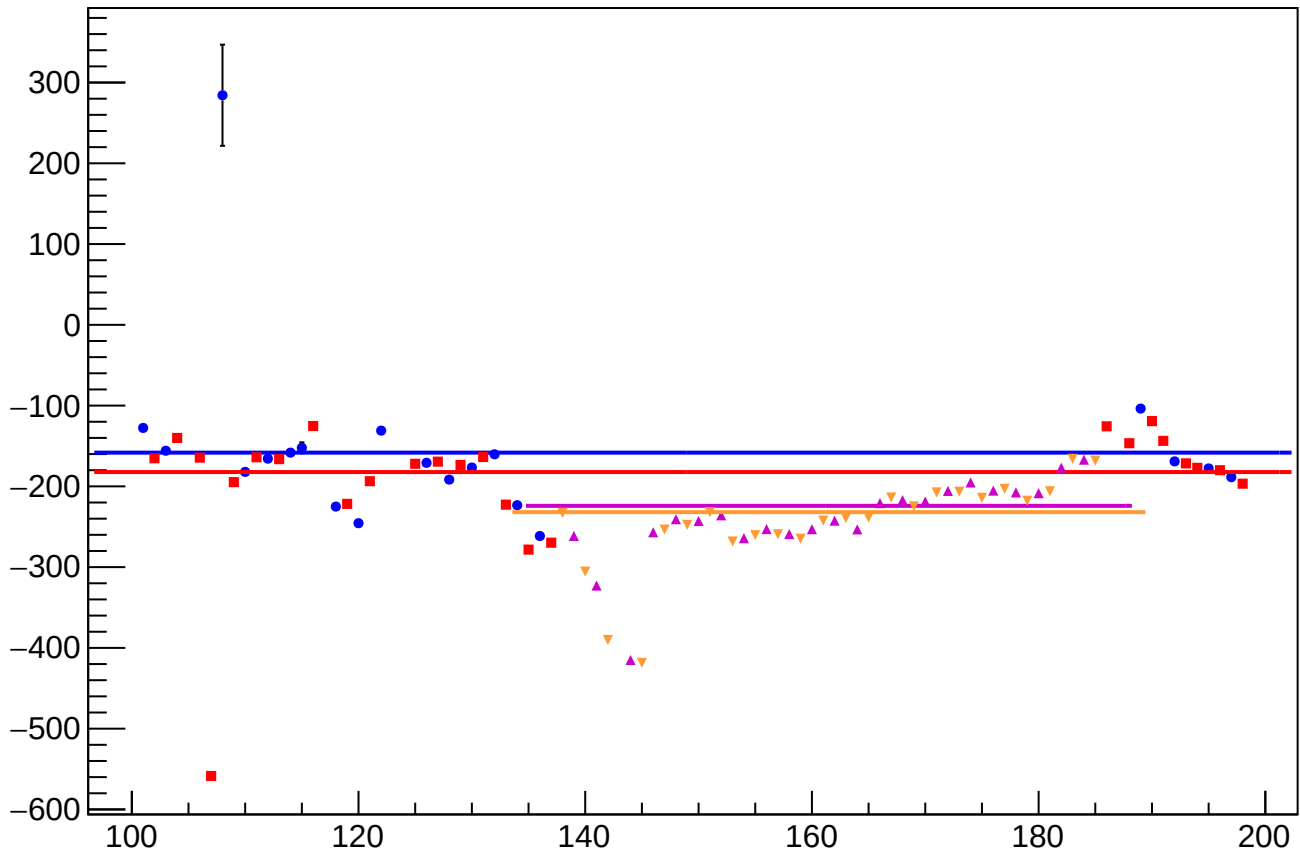
asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1811.345+/-0.787 χ^2/NDF : 37976.3/4
 Left Out: 518.935+/-0.087 χ^2/NDF :1172613.9/24
 Right Out: 1831.449+/-0.587 χ^2/NDF : 223271.1/7
 Left In: 516.594+/-0.089 χ^2/NDF :1036092.8/22

Left: 517.782+/-0.062 χ^2/NDF : 2209061.2/47
 Right: 1824.270+/-0.471 χ^2/NDF : 261666.5/12
 In: 532.765+/-0.088 χ^2/NDF :3743982.6/27
 Out: 547.336+/-0.086 χ^2/NDF :6289554.3/32
 All: 540.190+/-0.062 χ^2/NDF : 10047506.7/60

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222 $\pm$ 0.000 χ^2 /NDF: 122262.3/19

Left Out: -231.902 $\pm$ 0.108 χ^2 /NDF:110473.4/23

Right Out: -182.282 $\pm$ 0.095 χ^2 /NDF: 163835.7/24

Left In: -224.103 $\pm$ 0.098 χ^2 /NDF:153347.0/22

Left: -227.631 $\pm$ 0.073 χ^2 /NDF: 266668.8/46

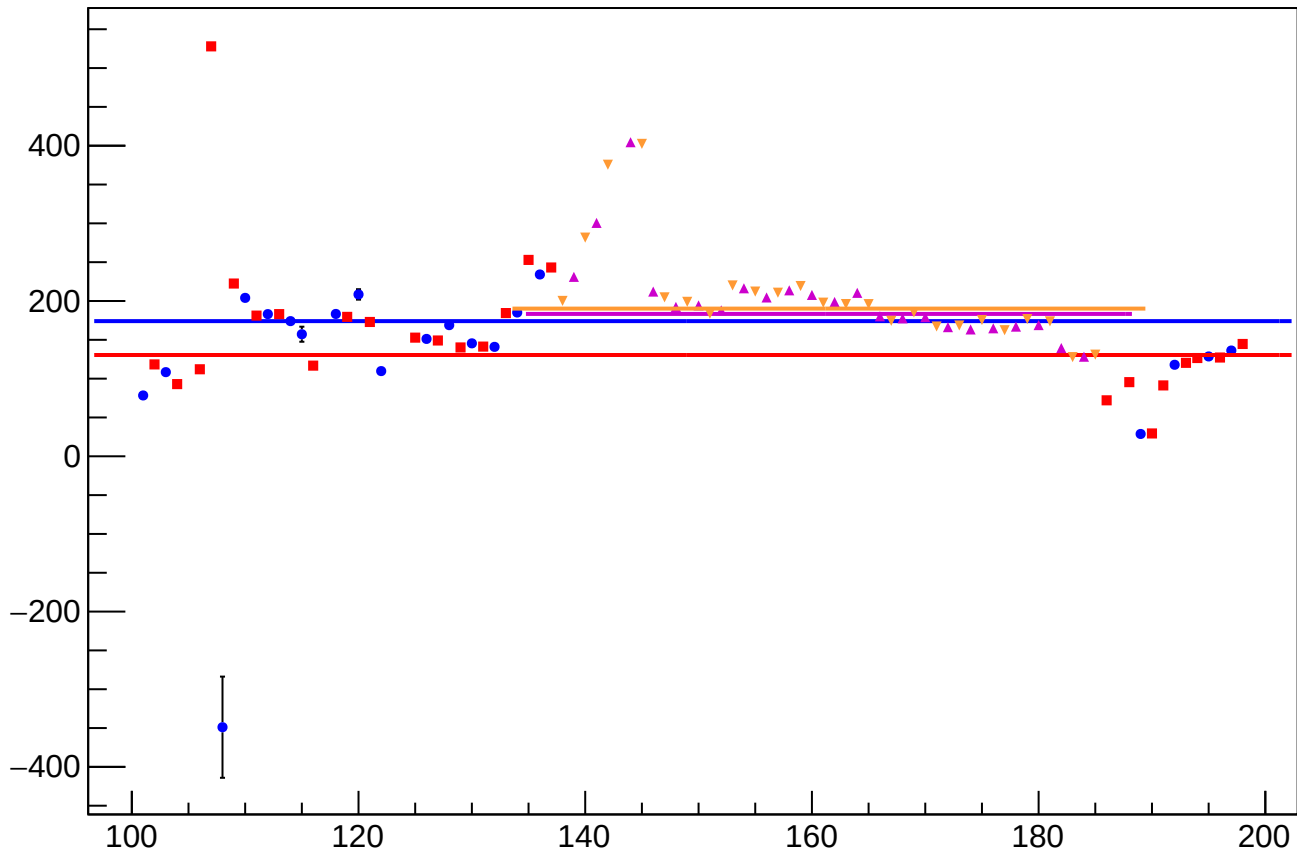
Right: -158.222 $\pm$ 0.000 χ^2 /NDF: 350331.5/44

In: -158.222 $\pm$ 0.000 χ^2 /NDF:724933.0/42

Out: -203.878 $\pm$ 0.071 χ^2 /NDF:393202.7/48

All: -158.222 $\pm$ 0.000 χ^2 /NDF: 1527639.3/91

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 73889.8/19

Left Out: 190.208 $\pm$ 0.109 χ^2 /NDF:99613.5/23

Right Out: 130.454 $\pm$ 0.096 χ^2 /NDF: 159391.1/24

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

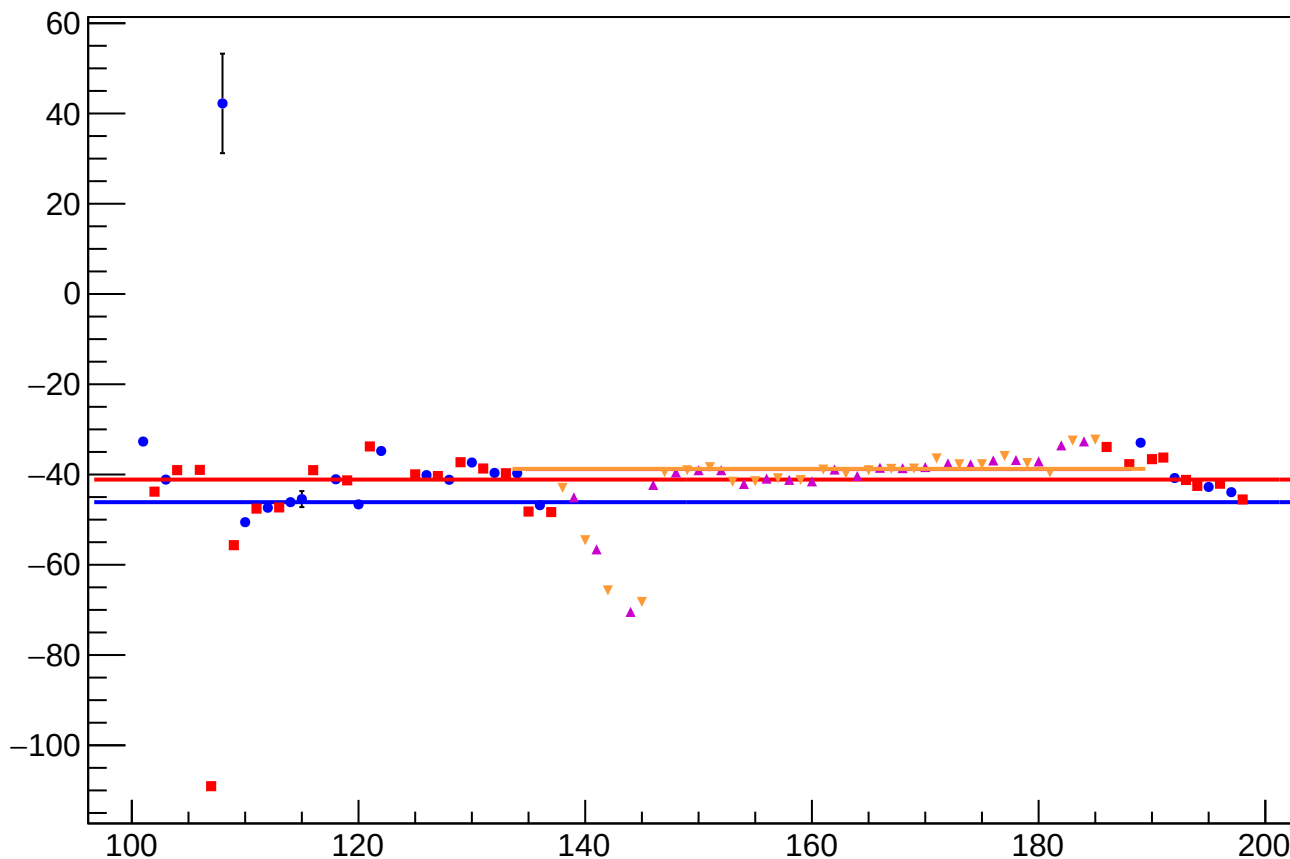
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 438918.3/44

In: 174.085 $\pm$ 0.000 χ^2 /NDF:238117.4/42

Out: 156.713 $\pm$ 0.072 χ^2 /NDF:428499.0/48

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 724773.1/91

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126+/-0.000 χ^2/NDF : 415181.5/19

Left Out: -38.745+/-0.006 χ^2/NDF : 400638.0/23

Right Out: -41.122+/-0.012 χ^2/NDF : 305588.2/24

Left In: -38.794+/-0.007 χ^2/NDF : 321993.9/22

Left: -38.767+/-0.004 χ^2/NDF : 722662.8/46

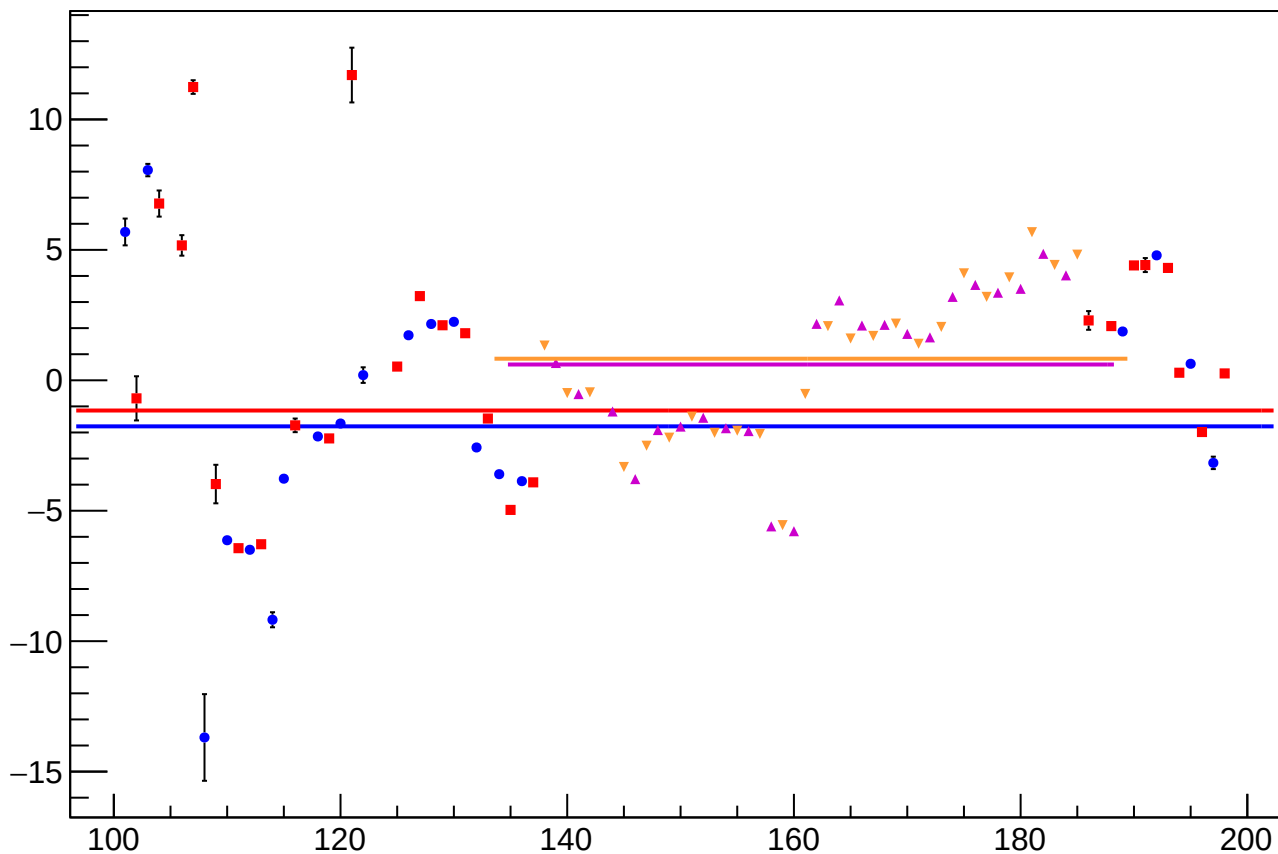
Right: -46.126+/-0.000 χ^2/NDF : 884868.6/44

In: -46.126+/-0.000 χ^2/NDF : 1992909.6/42

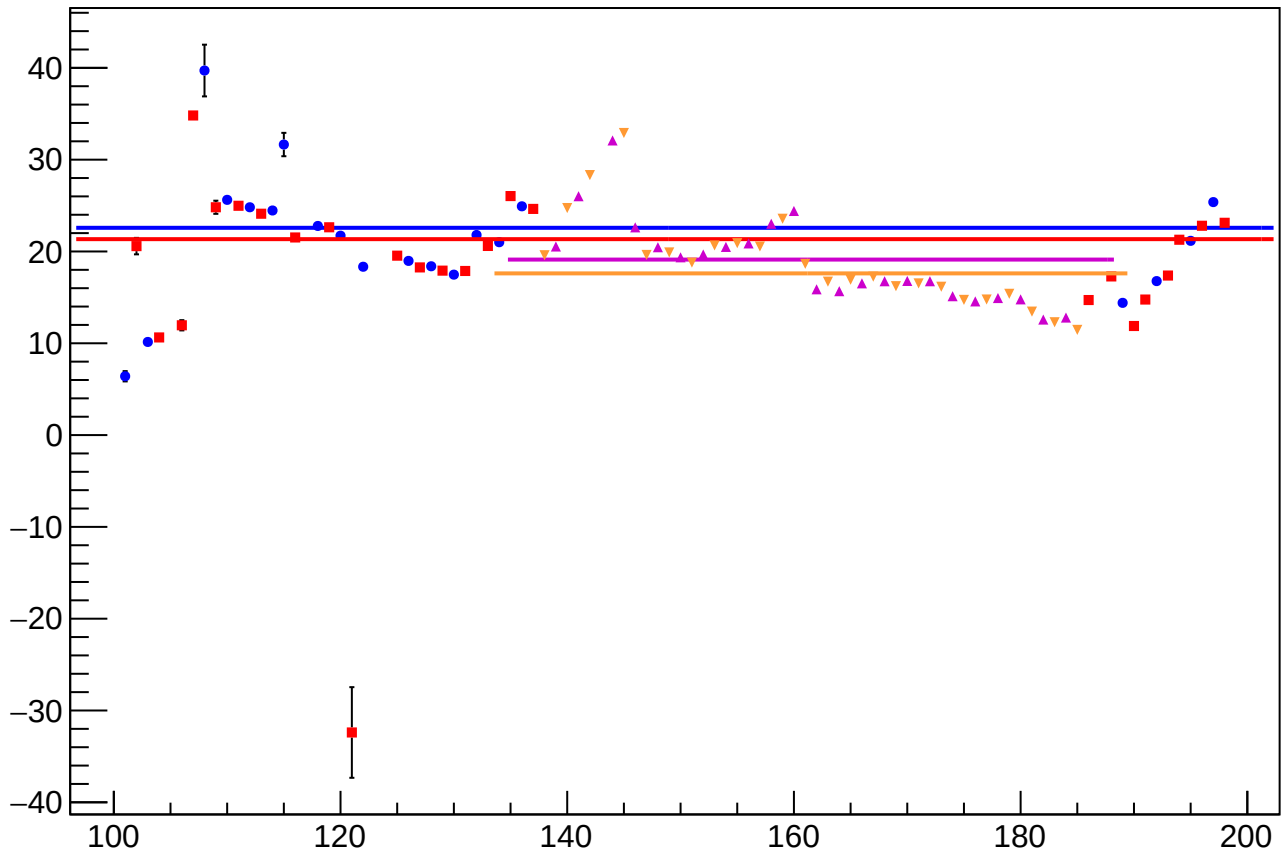
Out: -39.184+/-0.005 χ^2/NDF : 736410.4/48

All: -46.126+/-0.000 χ^2/NDF : 4440419.9/91

dit_usl_4aY_slope vs Slug, Sign Corrected



dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.579 $\pm$ 0.018 χ^2 /NDF: 25486.5/19

Left Out: 17.613 $\pm$ 0.007 χ^2 /NDF:178438.8/23

Right Out: 21.342 $\pm$ 0.020 χ^2 /NDF: 28435.0/24

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

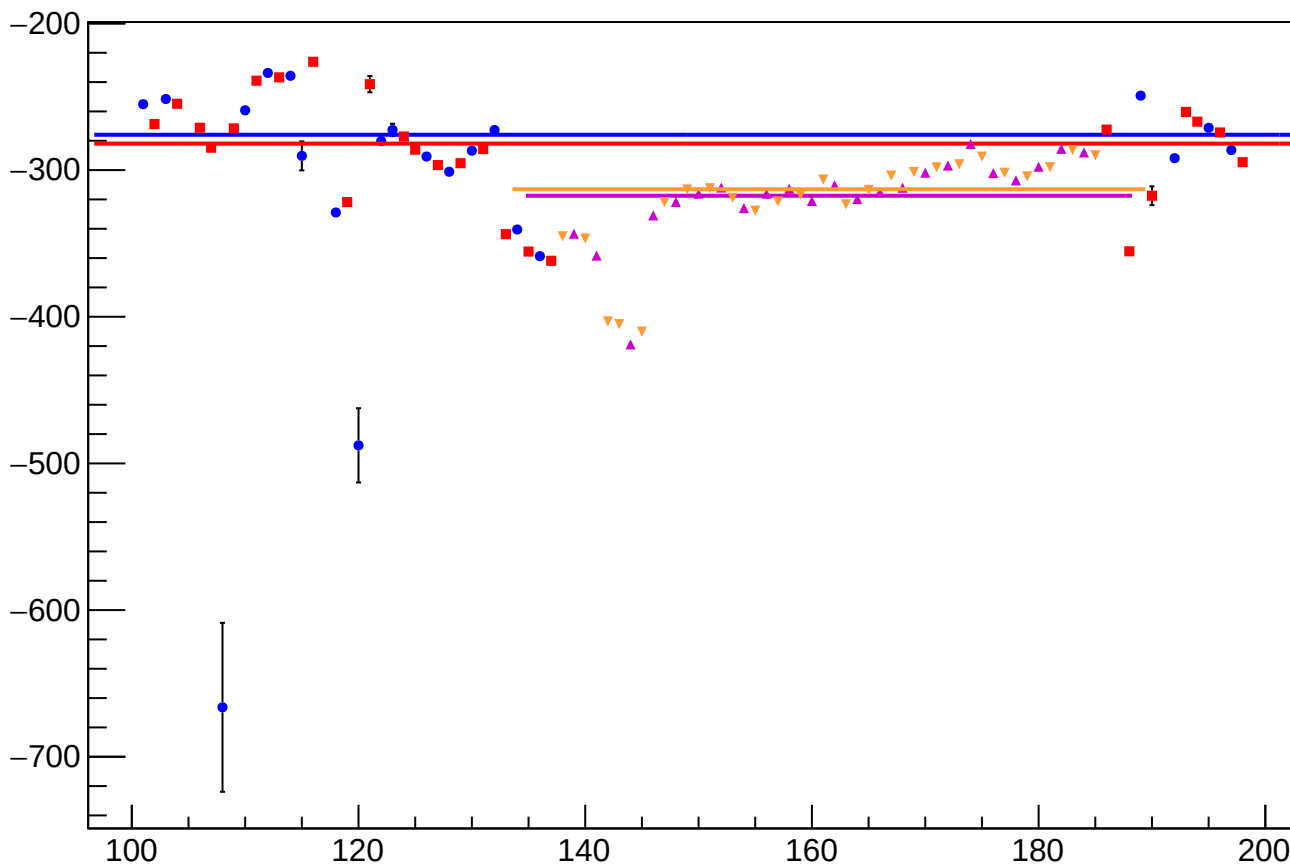
Right: 21.998 $\pm$ 0.013 χ^2 /NDF: 56039.6/44

In: 19.565 $\pm$ 0.007 χ^2 /NDF:285630.2/42

Out: 18.049 $\pm$ 0.007 χ^2 /NDF:238936.1/48

All: 18.816 $\pm$ 0.005 χ^2 /NDF: 550478.2/91

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -275.906 ± 0.143 $\chi^2/\text{NDF}: 58841.8/20$

Left Out: -313.052 ± 0.096 $\chi^2/\text{NDF}: 54405.8/24$

Right Out: -281.951 ± 0.109 $\chi^2/\text{NDF}: 64430.2/24$

Left In: -317.471 ± 0.095 $\chi^2/\text{NDF}: 63067.6/22$

Left: -315.276 ± 0.068 $\chi^2/\text{NDF}: 118543.8/47$

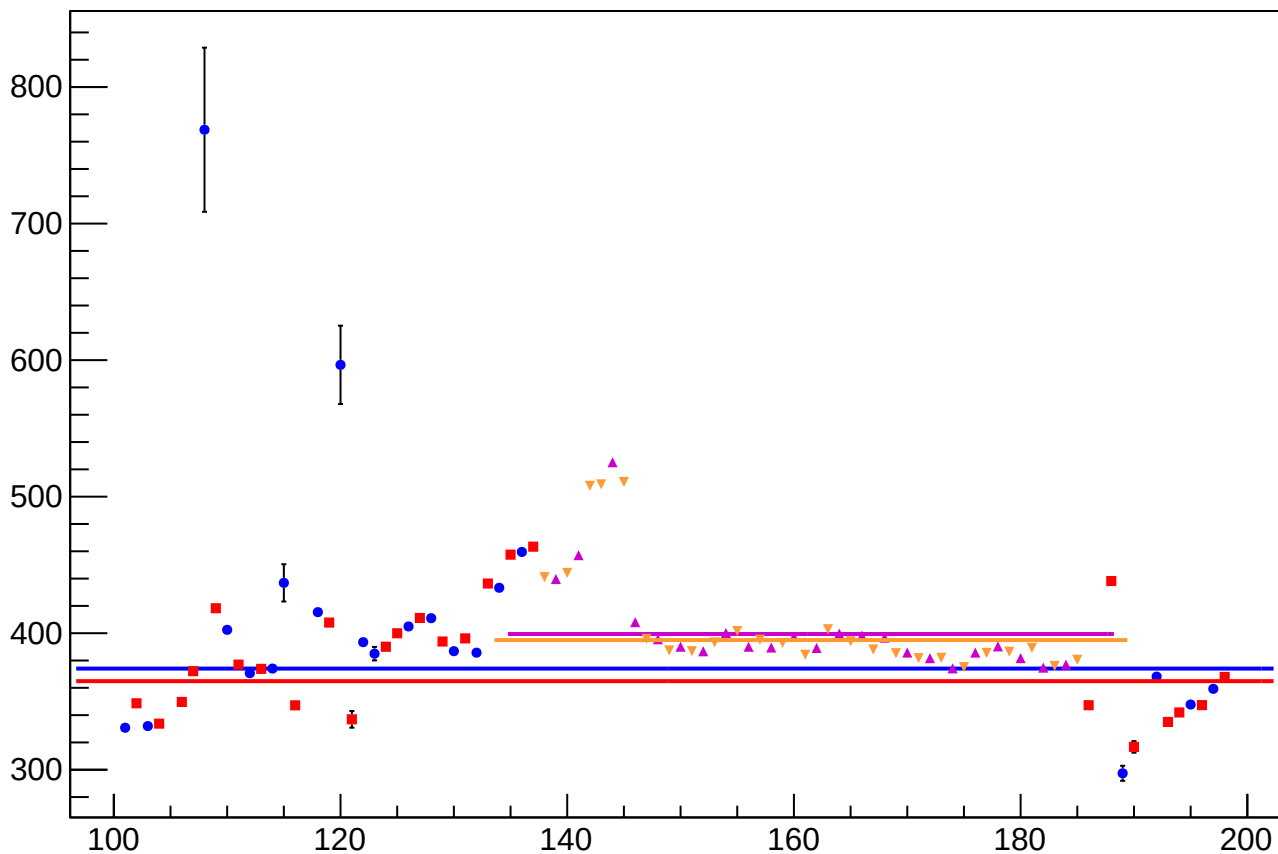
Right: -279.731 ± 0.087 $\chi^2/\text{NDF}: 124405.5/45$

In: -304.680 ± 0.079 $\chi^2/\text{NDF}: 180555.1/43$

Out: -299.463 ± 0.072 $\chi^2/\text{NDF}: 164856.3/49$

All: -301.820 ± 0.053 $\chi^2/\text{NDF}: 347788.6/93$

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094+/-0.000 χ^2/NDF : 43580.6/20

Left Out: 394.968+/-0.096 χ^2/NDF : 68076.2/24

Right Out: 364.896+/-0.110 χ^2/NDF : 89736.5/24

Left In: 399.410+/-0.097 χ^2/NDF : 77209.0/22

Left: 397.169+/-0.068 χ^2/NDF : 146345.7/47

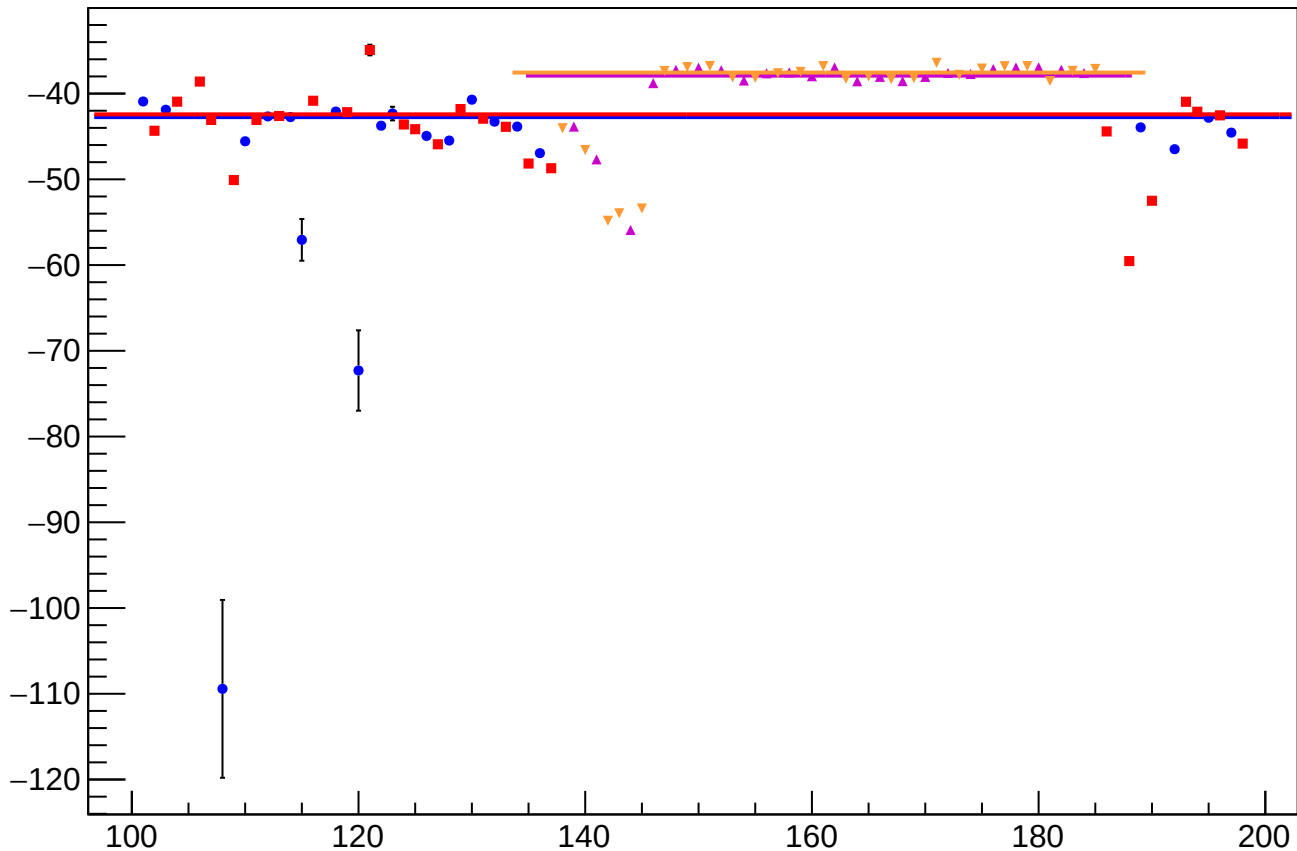
Right: 374.094+/-0.000 χ^2/NDF : 140353.5/45

In: 374.094+/-0.000 χ^2/NDF : 189094.7/43

Out: 381.917+/-0.072 χ^2/NDF : 200388.9/49

All: 374.094+/-0.000 χ^2/NDF : 401214.5/93

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744 $\pm$ 0.000 χ^2 /NDF: 14037.9/20

Left Out: -37.547 $\pm$ 0.004 χ^2 /NDF: 267131.7/24

Right Out: -42.421 $\pm$ 0.013 χ^2 /NDF: 24720.9/24

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

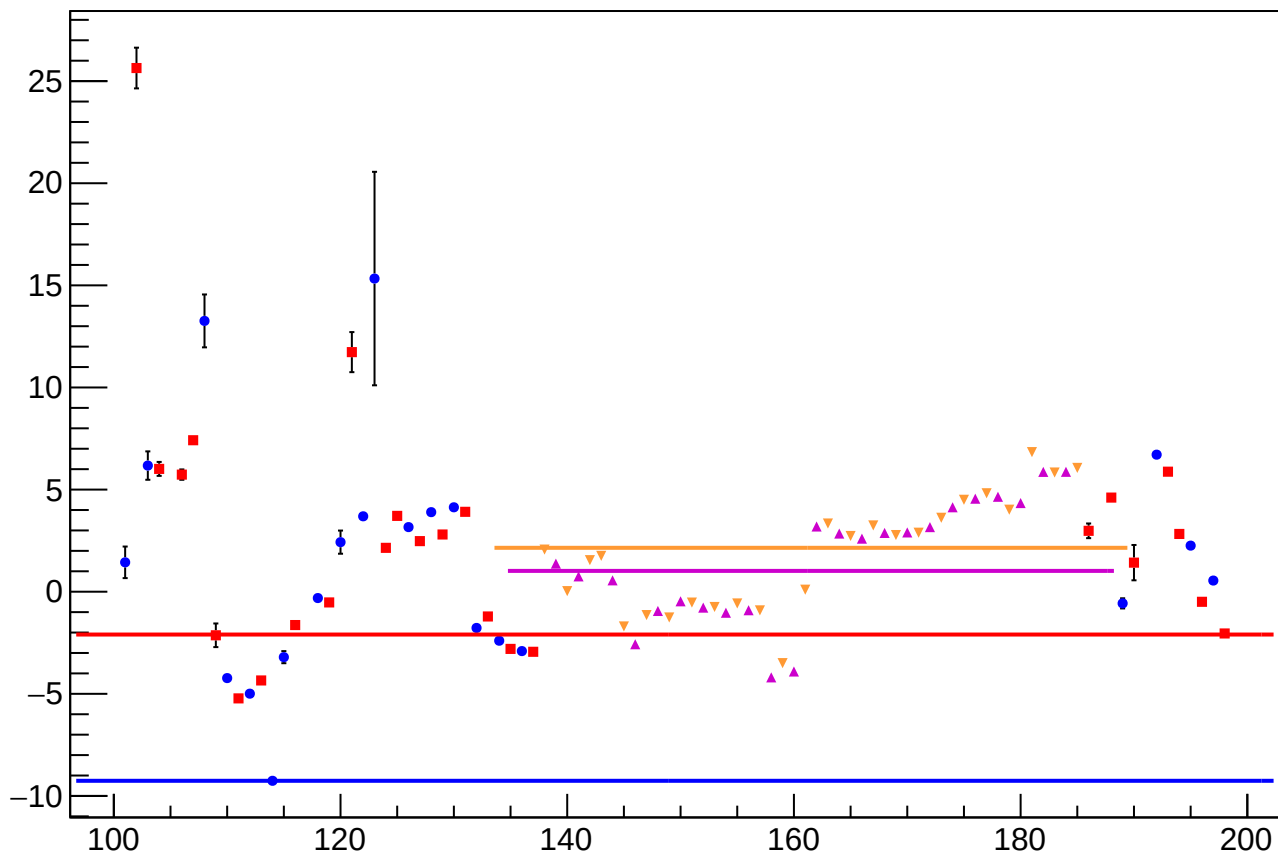
Right: -42.744 $\pm$ 0.000 χ^2 /NDF: 39342.9/45

In: -42.744 $\pm$ 0.000 χ^2 /NDF: 1532892.2/43

Out: -37.918 $\pm$ 0.004 χ^2 /NDF: 414794.1/49

All: -42.744 $\pm$ 0.000 χ^2 /NDF: 3660876.9/93

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 437416.7/20$

Left Out: 2.149 ± 0.005 $\chi^2/\text{NDF}: 290739.3/24$

Right Out: -2.097 ± 0.008 $\chi^2/\text{NDF}: 69170.2/24$

Left In: 1.019 ± 0.006 $\chi^2/\text{NDF}: 250029.0/22$

Left: 1.671 ± 0.004 $\chi^2/\text{NDF}: 563410.5/47$

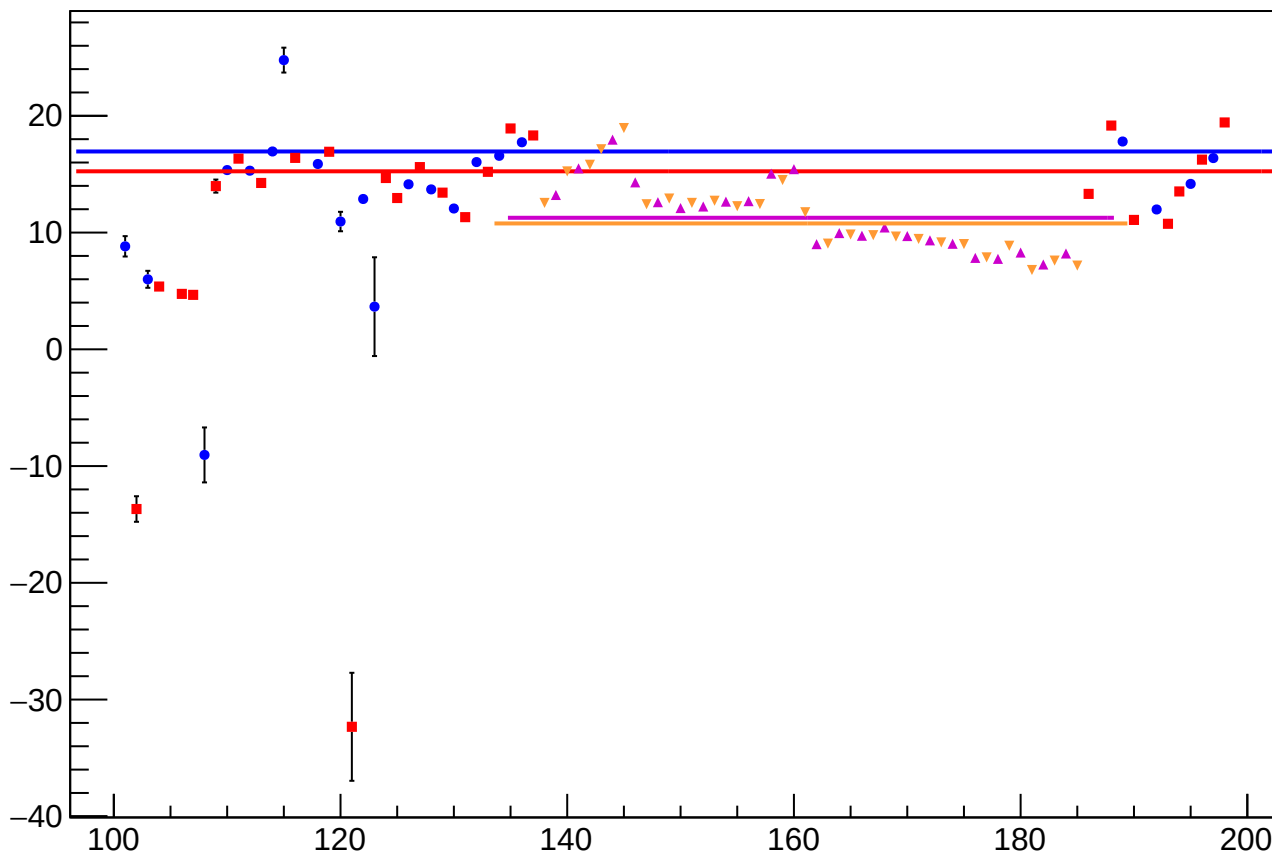
Right: -9.259 ± 0.000 $\chi^2/\text{NDF}: 1404448.2/45$

In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 3935486.6/43$

Out: 0.896 ± 0.004 $\chi^2/\text{NDF}: 582469.3/49$

All: -9.259 ± 0.000 $\chi^2/\text{NDF}: 10636115.6/93$

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 $\pm$ 0.000 χ^2 /NDF: 12435.0/20

Left Out: 10.782 $\pm$ 0.007 χ^2 /NDF:129427.5/24

Right Out: 15.247 $\pm$ 0.015 χ^2 /NDF: 33896.0/24

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

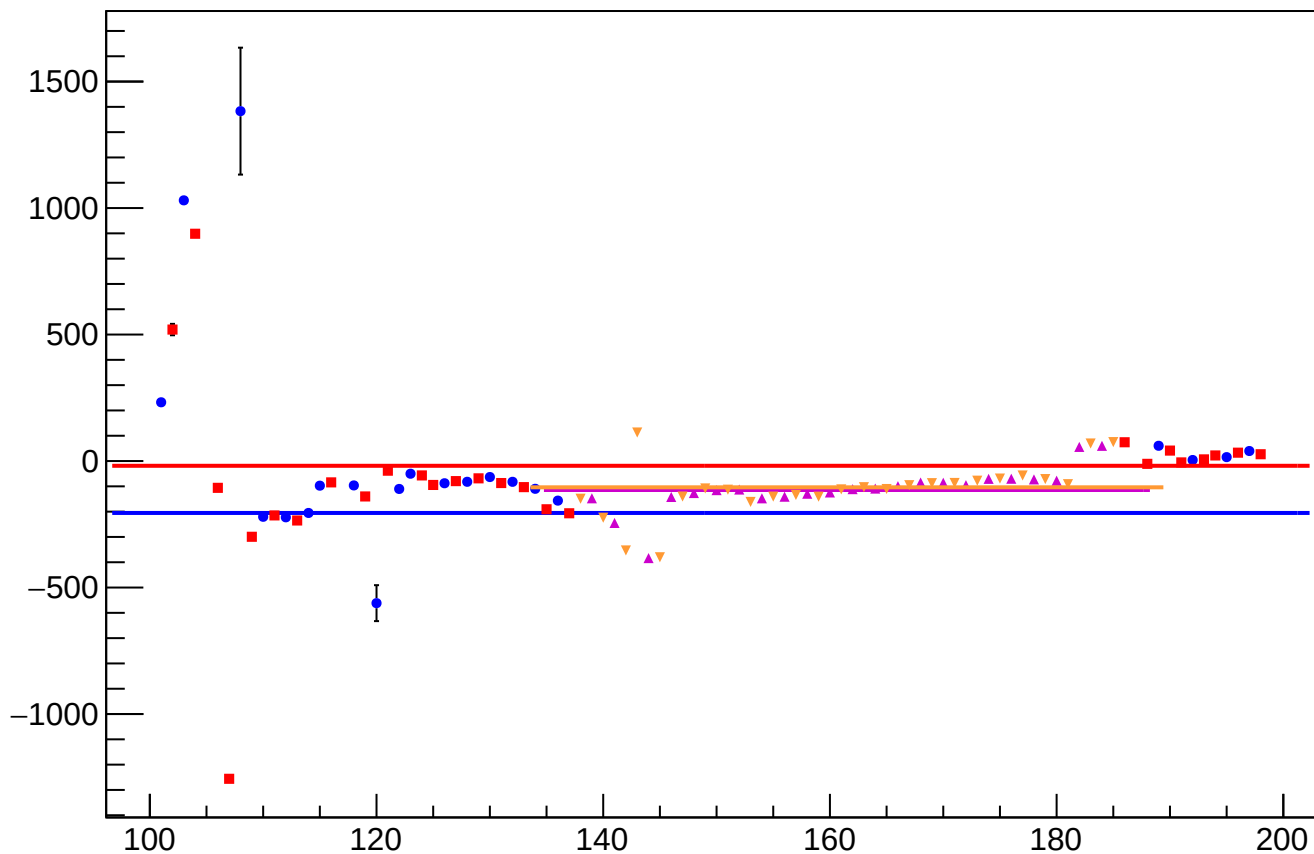
Right: 16.947 $\pm$ 0.000 χ^2 /NDF: 59108.6/45

In: 16.947 $\pm$ 0.000 χ^2 /NDF:635536.3/43

Out: 11.516 $\pm$ 0.006 χ^2 /NDF:237056.1/49

All: 16.947 $\pm$ 0.000 χ^2 /NDF: 1666566.2/93

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 1492974.7/20$

Left Out: -103.842 ± 0.192 $\chi^2/\text{NDF}: 94751.7/24$

Right Out: -18.749 ± 0.225 $\chi^2/\text{NDF}: 169901.7/25$

Left In: -114.444 ± 0.225 $\chi^2/\text{NDF}: 76837.7/22$

Left: -108.306 ± 0.146 $\chi^2/\text{NDF}: 172877.4/47$

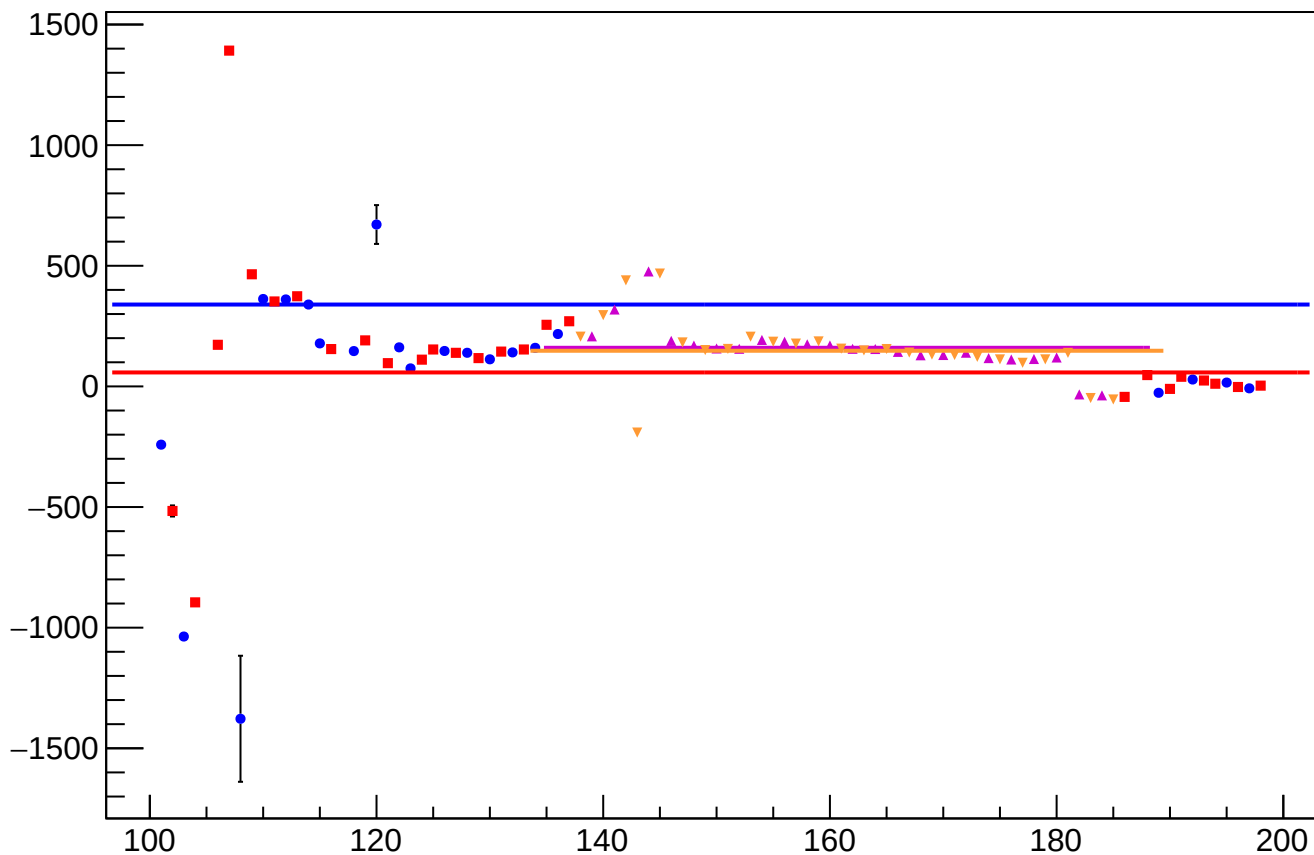
Right: -205.160 ± 0.000 $\chi^2/\text{NDF}: 2352189.6/46$

In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 1732693.9/43$

Out: -67.967 ± 0.146 $\chi^2/\text{NDF}: 347733.7/50$

All: -205.160 ± 0.000 $\chi^2/\text{NDF}: 2966030.8/94$

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325 $\pm$ 0.000 χ^2 /NDF: 1530067.4/20

Left Out: 147.771 $\pm$ 0.196 χ^2 /NDF:134281.2/24

Right Out: 57.863 $\pm$ 0.220 χ^2 /NDF: 258046.9/25

Left In: 160.049 $\pm$ 0.230 χ^2 /NDF:83579.0/22

Left: 152.950 $\pm$ 0.149 χ^2 /NDF: 219512.9/47

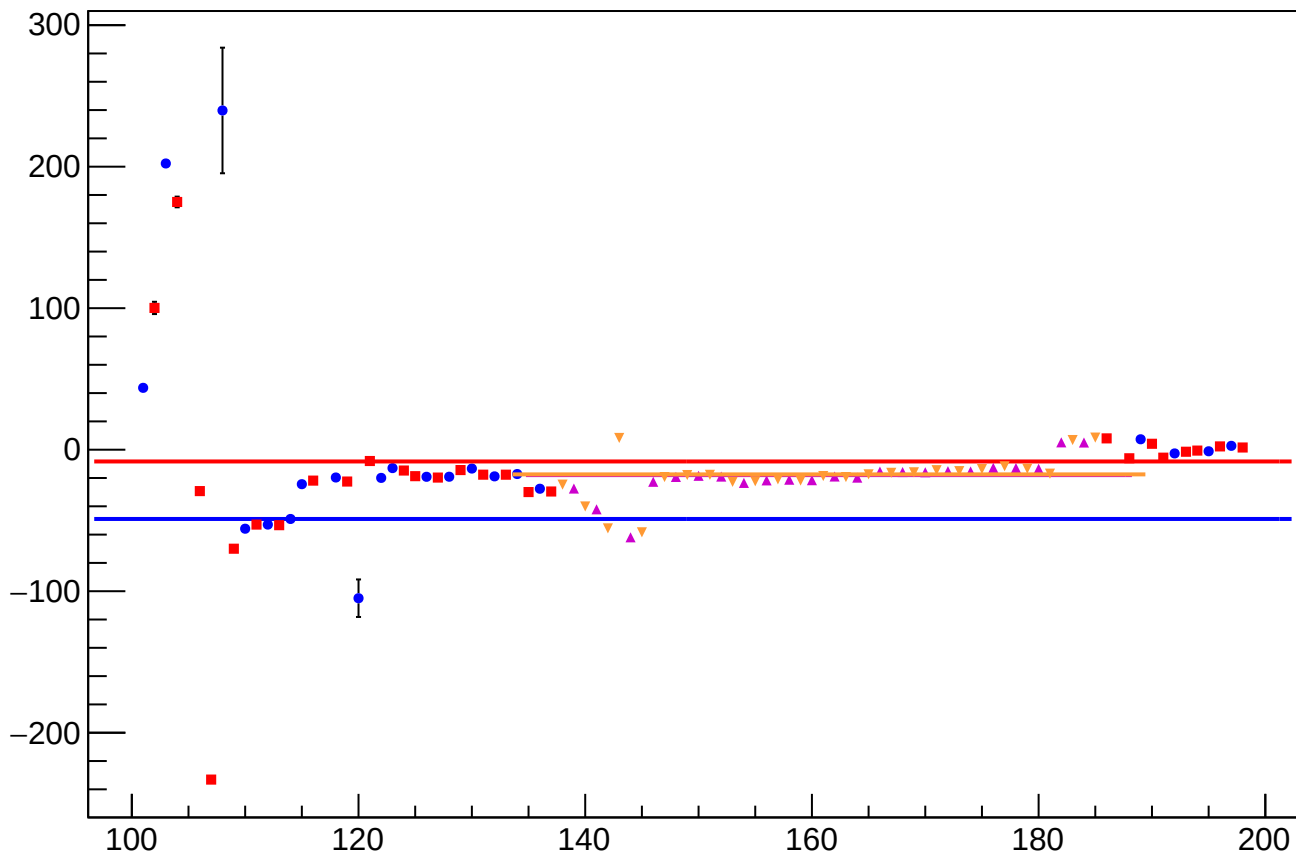
Right: 339.325 $\pm$ 0.000 χ^2 /NDF: 3421902.7/46

In: 339.325 $\pm$ 0.000 χ^2 /NDF:2222985.4/43

Out: 107.992 $\pm$ 0.146 χ^2 /NDF:485276.6/50

All: 339.325 $\pm$ 0.000 χ^2 /NDF: 5202727.1/94

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945 ± 0.000 $\chi^2/\text{NDF}: 6641825.2/20$

Left Out: -17.446 ± 0.010 $\chi^2/\text{NDF}: 714044.4/24$

Right Out: -8.310 ± 0.029 $\chi^2/\text{NDF}: 371090.3/25$

Left In: -17.951 ± 0.012 $\chi^2/\text{NDF}: 252123.1/22$

Left: -17.648 ± 0.008 $\chi^2/\text{NDF}: 967185.6/47$

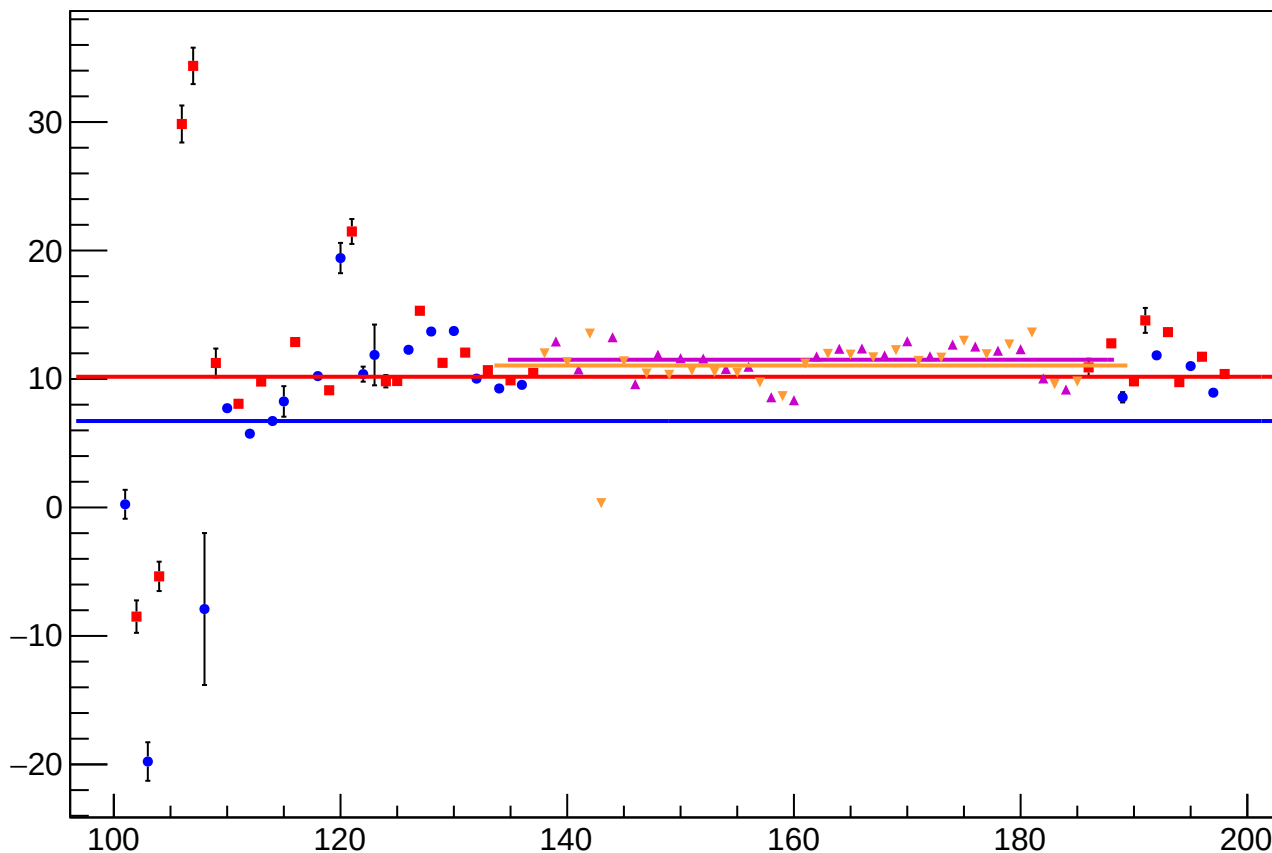
Right: -48.945 ± 0.000 $\chi^2/\text{NDF}: 8966710.9/46$

In: -48.945 ± 0.000 $\chi^2/\text{NDF}: 13280559.3/43$

Out: -16.478 ± 0.009 $\chi^2/\text{NDF}: 1173417.3/50$

All: -48.945 ± 0.000 $\chi^2/\text{NDF}: 26222928.3/94$

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 $\pm$ 0.000 χ^2/NDF : 14972.5/20

Left Out: 11.049 $\pm$ 0.012 χ^2/NDF :31618.4/24

Right Out: 10.174 $\pm$ 0.033 χ^2/NDF : 6113.1/25

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

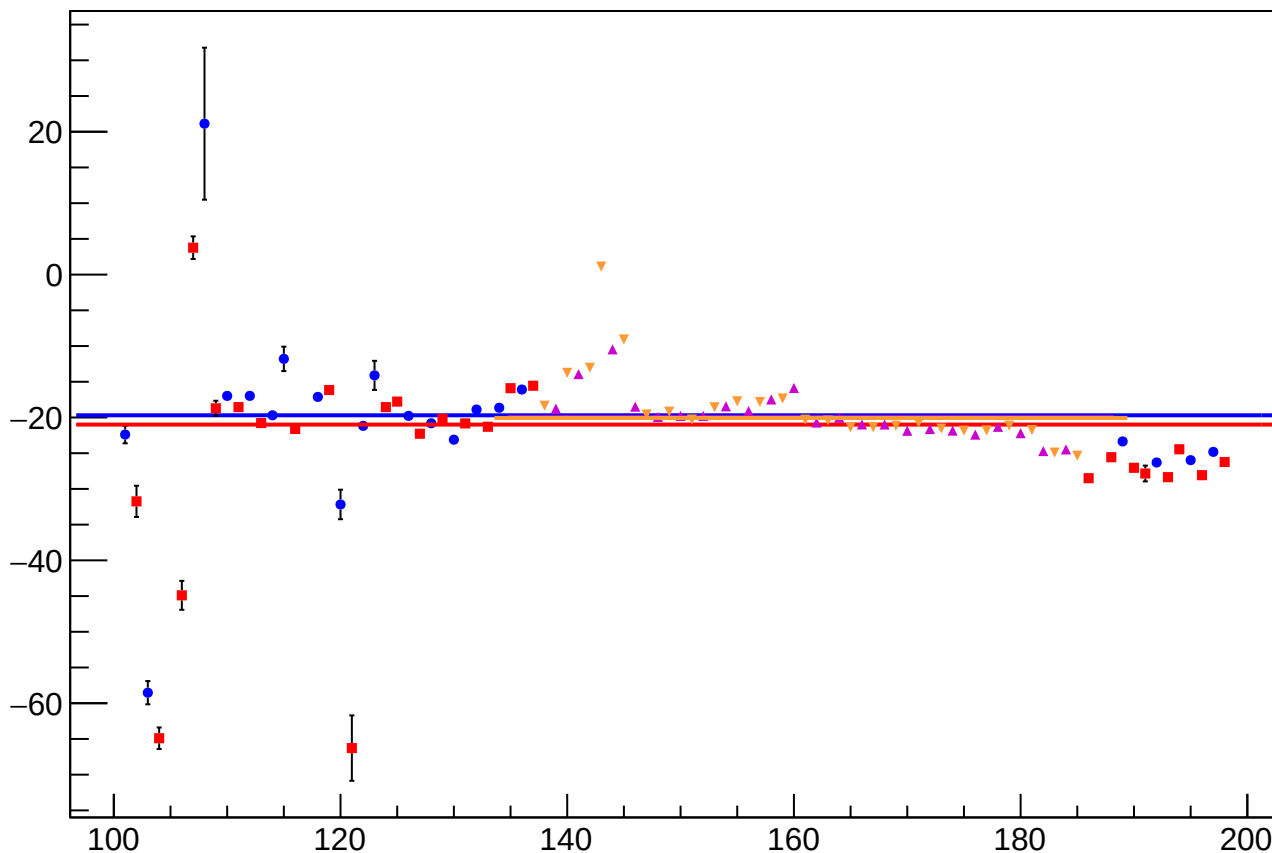
Right: 6.728 $\pm$ 0.000 χ^2/NDF : 31811.2/46

In: 6.728 $\pm$ 0.000 χ^2/NDF :240028.0/43

Out: 10.945 $\pm$ 0.011 χ^2/NDF :38341.3/50

All: 6.728 $\pm$ 0.000 χ^2/NDF : 412939.8/94

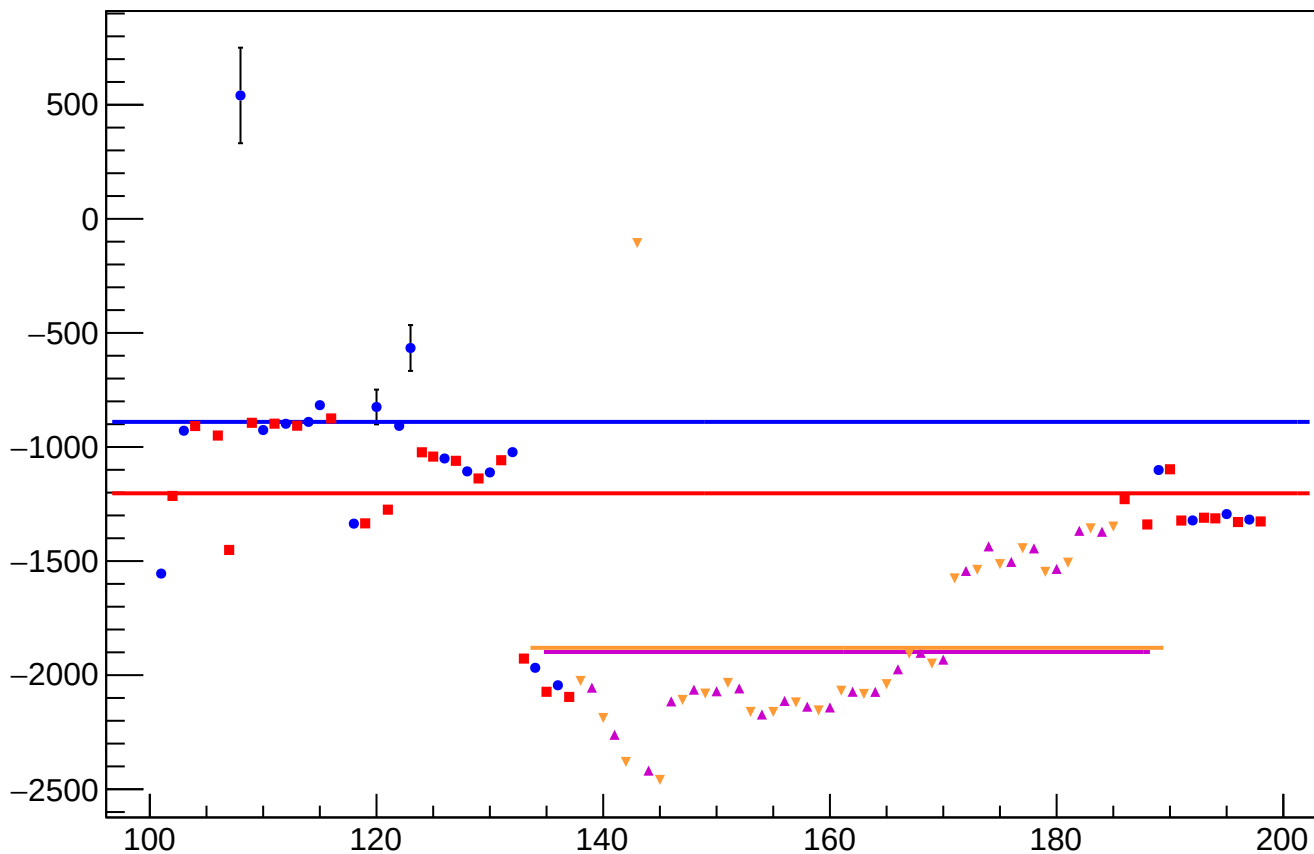
dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 9998.8/20$
 Left Out: -20.065 ± 0.014 $\chi^2/\text{NDF}: 71466.1/24$
 Right Out: -20.994 ± 0.044 $\chi^2/\text{NDF}: 7474.1/25$
 Left In: -19.955 ± 0.015 $\chi^2/\text{NDF}: 22657.6/22$

Left: -20.015 ± 0.010 $\chi^2/\text{NDF}: 94152.2/47$
 Right: -19.693 ± 0.000 $\chi^2/\text{NDF}: 18366.5/46$
 In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 32957.3/43$
 Out: -20.150 ± 0.013 $\chi^2/\text{NDF}: 79354.2/50$
 All: -19.693 ± 0.000 $\chi^2/\text{NDF}: 113512.9/94$

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928+/-0.000 χ^2/NDF : 1278113.6/20

Left Out: -1880.162+/-0.353 χ^2/NDF : 873293.0/24

Right Out: -1202.973+/-0.229 χ^2/NDF : 945554.6/25

Left In: -1898.497+/-0.364 χ^2/NDF : 698003.8/22

Left: -1889.053+/-0.253 χ^2/NDF : 1572605.5/47

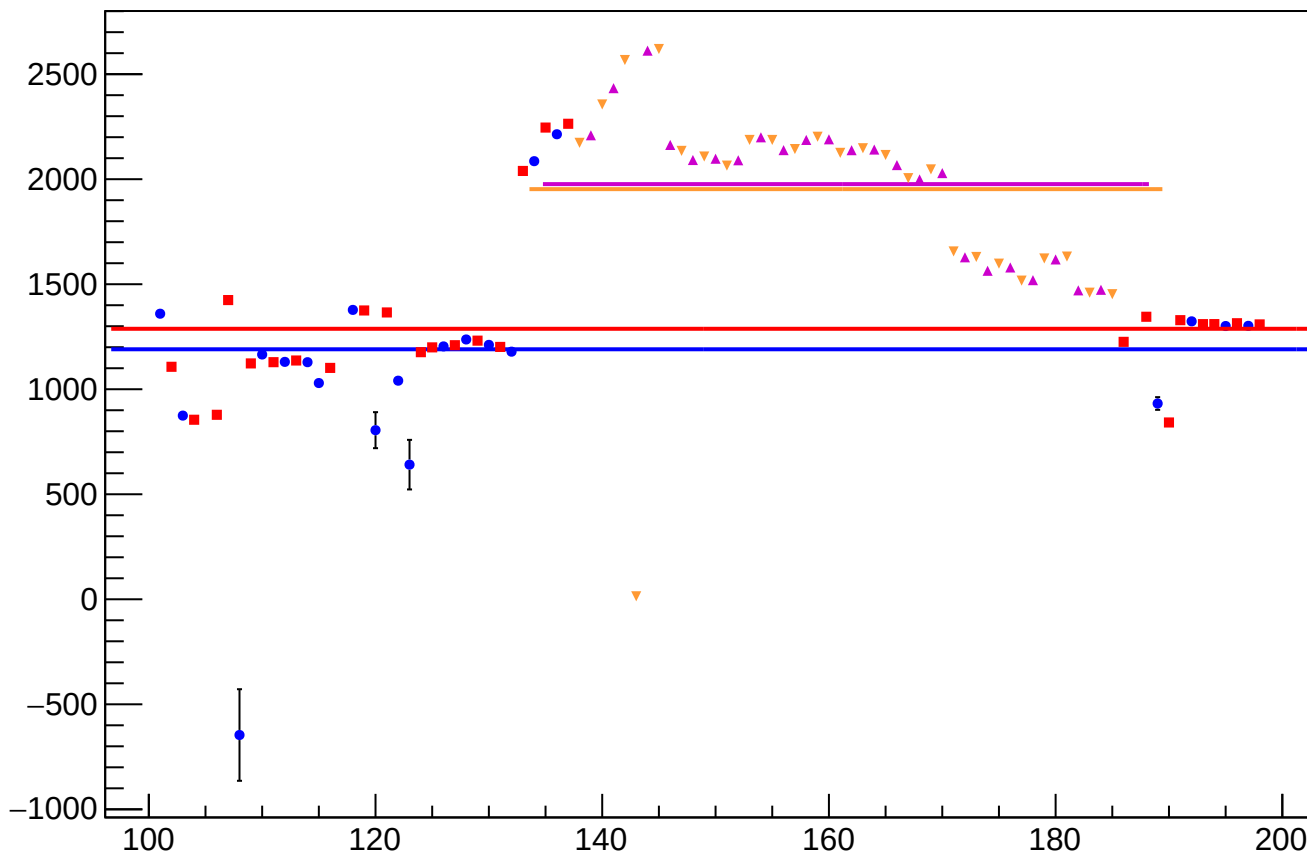
Right: -889.928+/-0.000 χ^2/NDF : 4089425.9/46

In: -889.928+/-0.000 χ^2/NDF : 9664916.1/43

Out: -1403.821+/-0.192 χ^2/NDF : 4408385.4/50

All: -889.928+/-0.000 χ^2/NDF : 21221243.0/9

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1190.235 $\pm$ 0.227 χ^2 /NDF: 552115.0/20

Left Out: 1952.706 $\pm$ 0.354 χ^2 /NDF: 820225.3/24

Right Out: 1287.819 $\pm$ 0.233 χ^2 /NDF: 533969.4/25

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

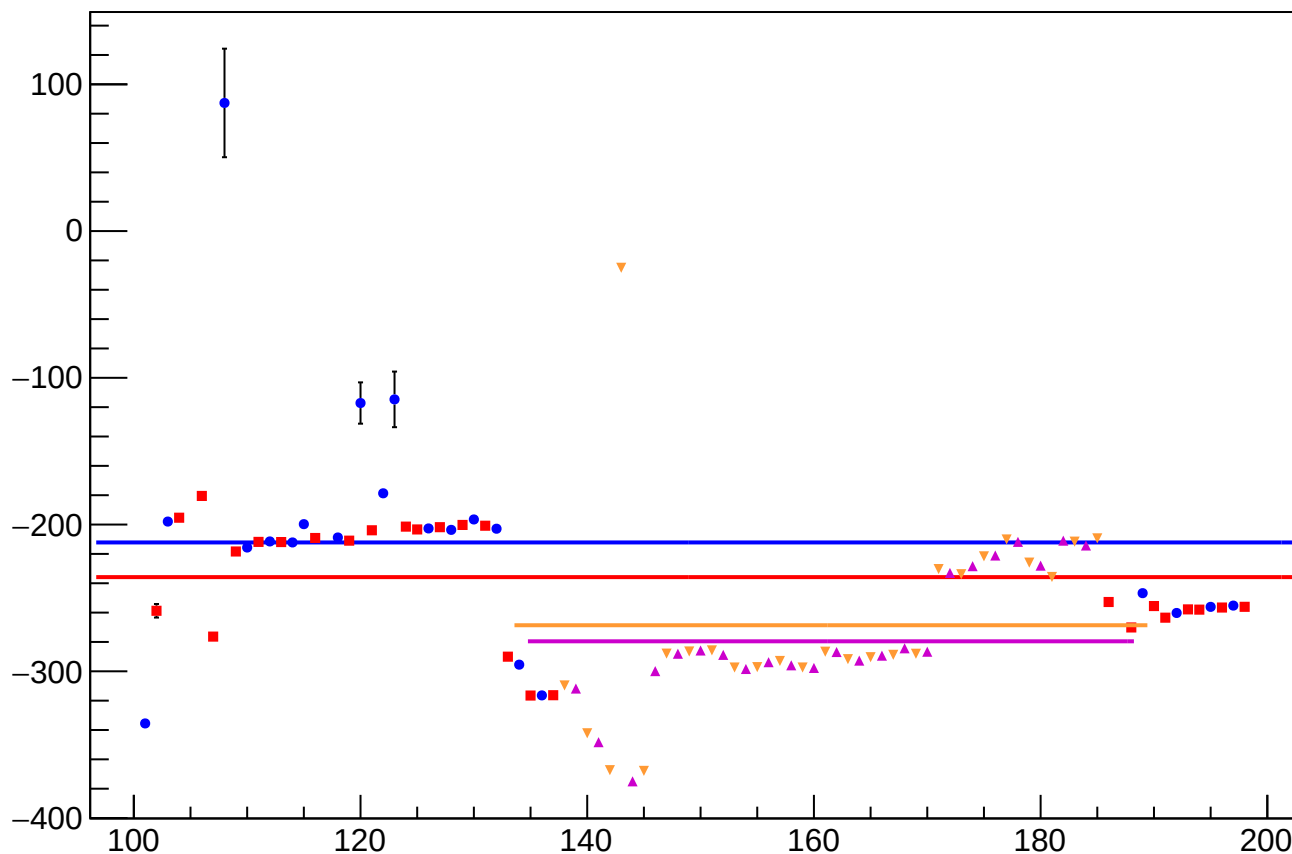
Right: 1237.896 $\pm$ 0.163 χ^2 /NDF: 1176009.7/46

In: 1408.206 $\pm$ 0.193 χ^2 /NDF: 4491895.5/43

Out: 1488.499 $\pm$ 0.194 χ^2 /NDF: 3817156.7/50

All: 1448.118 $\pm$ 0.137 χ^2 /NDF: 8394773.3/94

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 1472132.4/20$

Left Out: -268.611 ± 0.022 $\chi^2/\text{NDF}: 7041710.3/24$

Right Out: -235.820 ± 0.030 $\chi^2/\text{NDF}: 884277.9/25$

Left In: -279.563 ± 0.022 $\chi^2/\text{NDF}: 2298119.7/22$

Left: -274.180 ± 0.015 $\chi^2/\text{NDF}: 9465442.7/47$

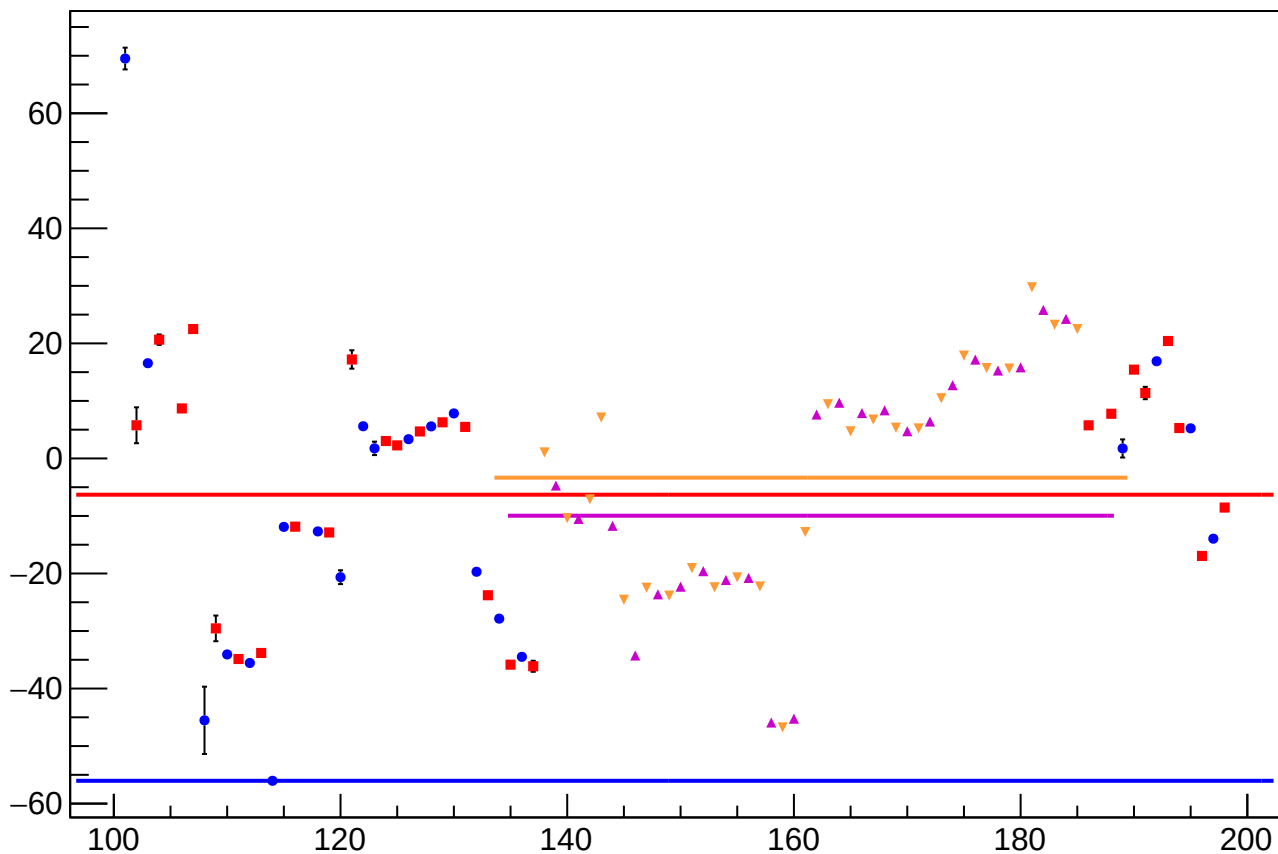
Right: -212.190 ± 0.000 $\chi^2/\text{NDF}: 2997148.1/46$

In: -212.190 ± 0.000 $\chi^2/\text{NDF}: 13441960.3/43$

Out: -256.879 ± 0.018 $\chi^2/\text{NDF}: 8718322.1/50$

All: -212.190 ± 0.000 $\chi^2/\text{NDF}: 28565003.1/9$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037 ± 0.000 χ^2/NDF : 1705017.6/20

Left Out: -3.341 ± 0.018 χ^2/NDF : 1399746.6/24

Right Out: -6.304 ± 0.039 χ^2/NDF : 188614.3/25

Left In: -9.956 ± 0.018 χ^2/NDF : 1689839.0/22

Left: -6.485 ± 0.013 χ^2/NDF : 3156876.8/47

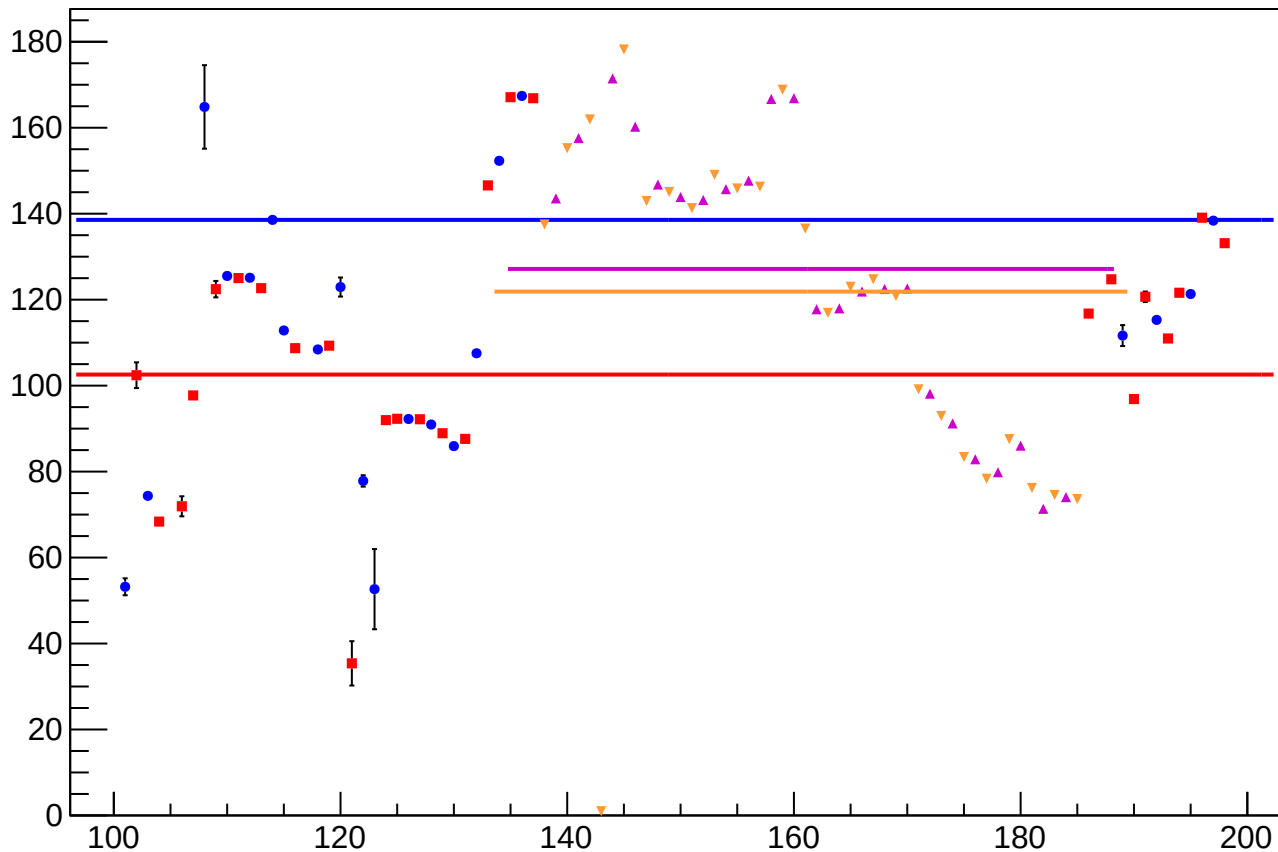
Right: -56.037 ± 0.000 χ^2/NDF : 3481059.3/46

In: -56.037 ± 0.000 χ^2/NDF : 9619214.8/43

Out: -3.832 ± 0.016 χ^2/NDF : 1593061.6/50

All: -56.037 ± 0.000 χ^2/NDF : 21782822.5/94

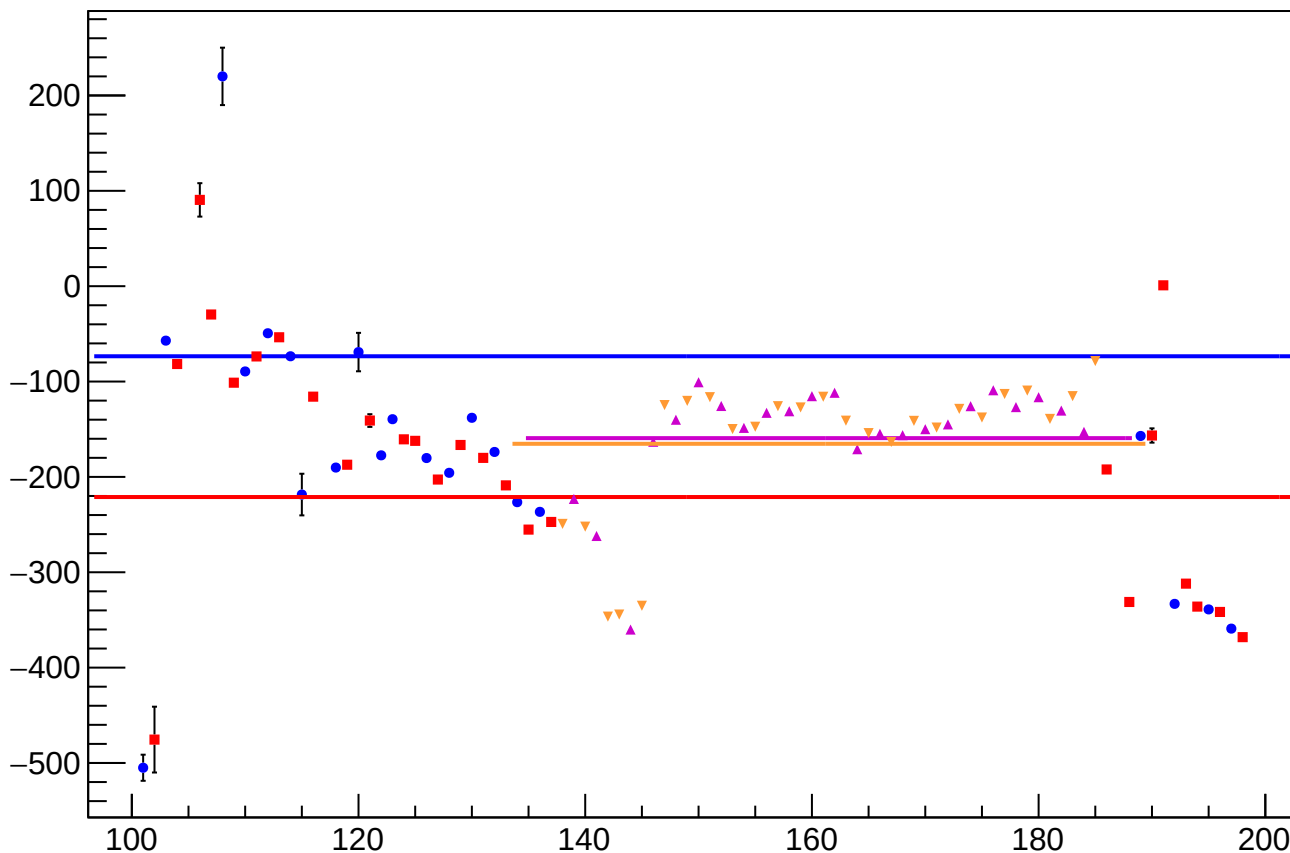
dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000 χ^2 /NDF: 911446.7/20
 Left Out: 121.875 $\pm$ 0.024 χ^2 /NDF:1617383.6/24
 Right Out: 102.575 $\pm$ 0.032 χ^2 /NDF: 350931.6/25
 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: 2534712.2/46
 In: 138.565 $\pm$ 0.000 χ^2 /NDF:2441895.9/43
 Out: 114.789 $\pm$ 0.019 χ^2 /NDF:2199868.7/50
 All: 138.565 $\pm$ 0.000 χ^2 /NDF: 6154282.7/94

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 209656.7/20$

Left Out: -165.282 ± 0.232 $\chi^2/\text{NDF}: 84301.0/24$

Right Out: -221.108 ± 0.263 $\chi^2/\text{NDF}: 183104.3/25$

Left In: -159.346 ± 0.239 $\chi^2/\text{NDF}: 73885.5/22$

Left: -162.407 ± 0.166 $\chi^2/\text{NDF}: 158504.2/47$

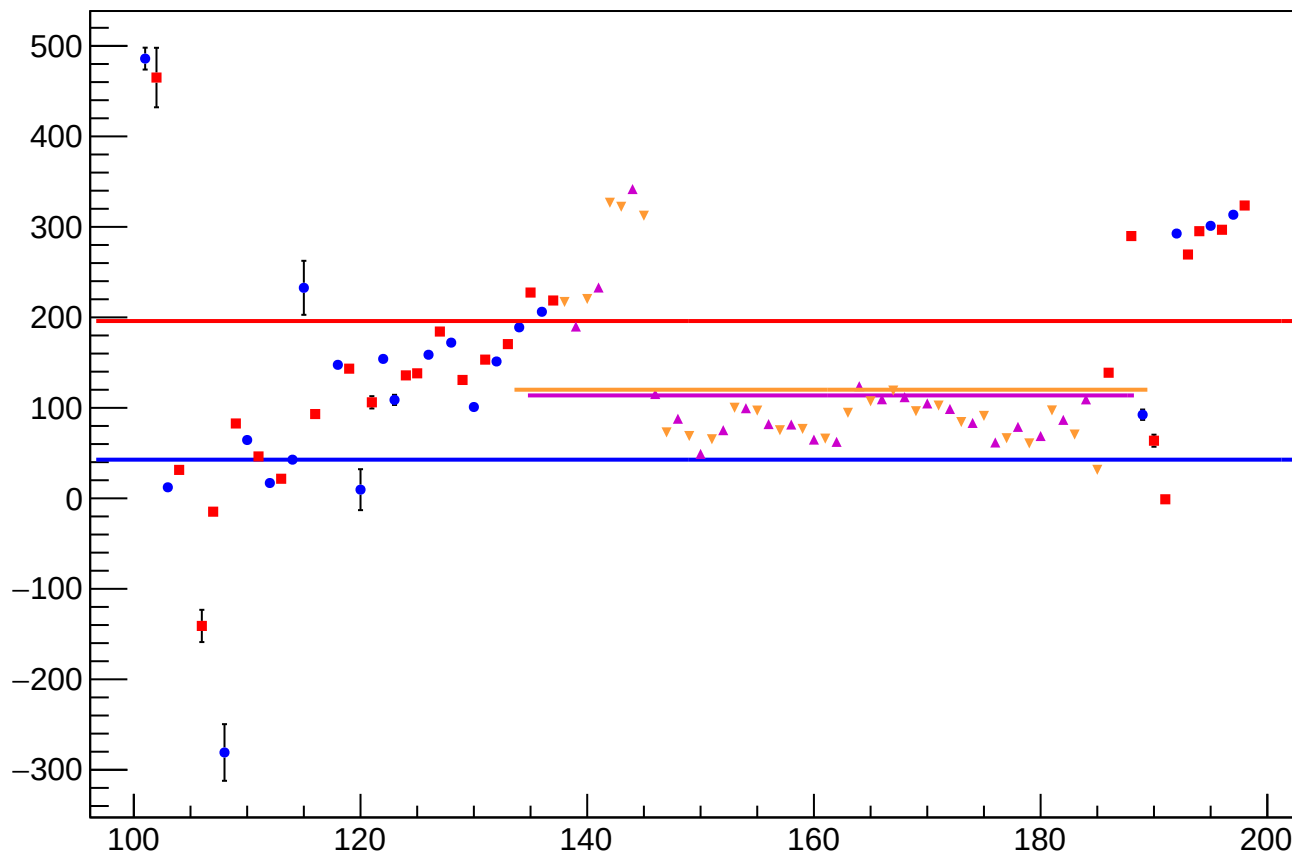
Right: -73.485 ± 0.000 $\chi^2/\text{NDF}: 708336.2/46$

In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 412448.0/43$

Out: -189.703 ± 0.174 $\chi^2/\text{NDF}: 292793.4/50$

All: -73.485 ± 0.000 $\chi^2/\text{NDF}: 1152343.7/94$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 188141.6/20

Left Out: 120.053+/-0.237 χ^2/NDF : 97926.9/24

Right Out: 195.943+/-0.277 χ^2/NDF : 150120.8/25

Left In: 113.733+/-0.246 χ^2/NDF : 81886.4/22

Left: 117.016+/-0.171 χ^2/NDF : 180155.1/47

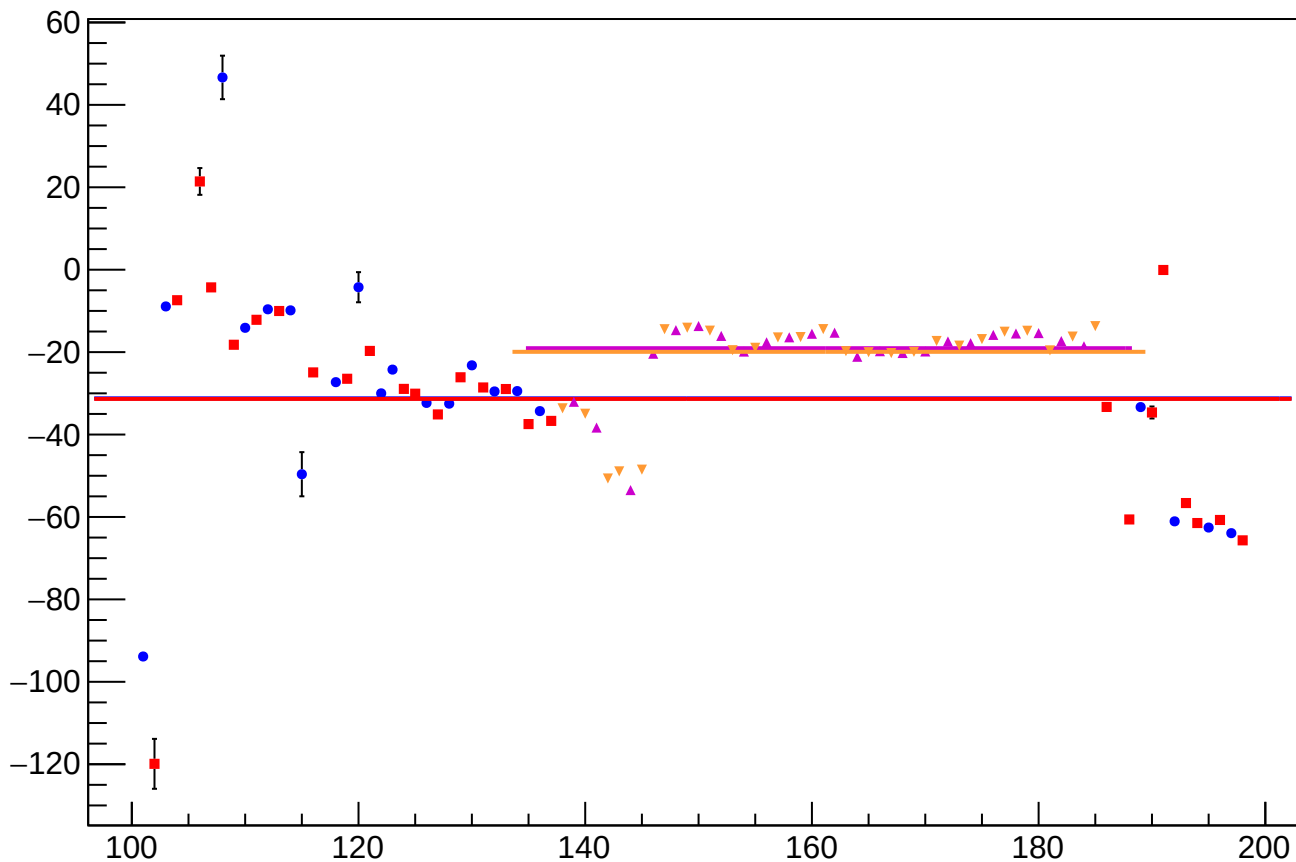
Right: 42.743+/-0.000 χ^2/NDF : 644893.4/46

In: 42.743+/-0.000 χ^2/NDF : 353091.0/43

Out: 152.169+/-0.180 χ^2/NDF : 291448.5/50

All: 42.743+/-0.000 χ^2/NDF : 1014200.8/94

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -31.219 ± 0.033 $\chi^2/\text{NDF}: 114784.7/20$

Left Out: -19.926 ± 0.012 $\chi^2/\text{NDF}: 374900.2/24$

Right Out: -31.354 ± 0.030 $\chi^2/\text{NDF}: 494555.3/25$

Left In: -19.047 ± 0.014 $\chi^2/\text{NDF}: 214747.8/22$

Left: -19.543 ± 0.009 $\chi^2/\text{NDF}: 591888.6/47$

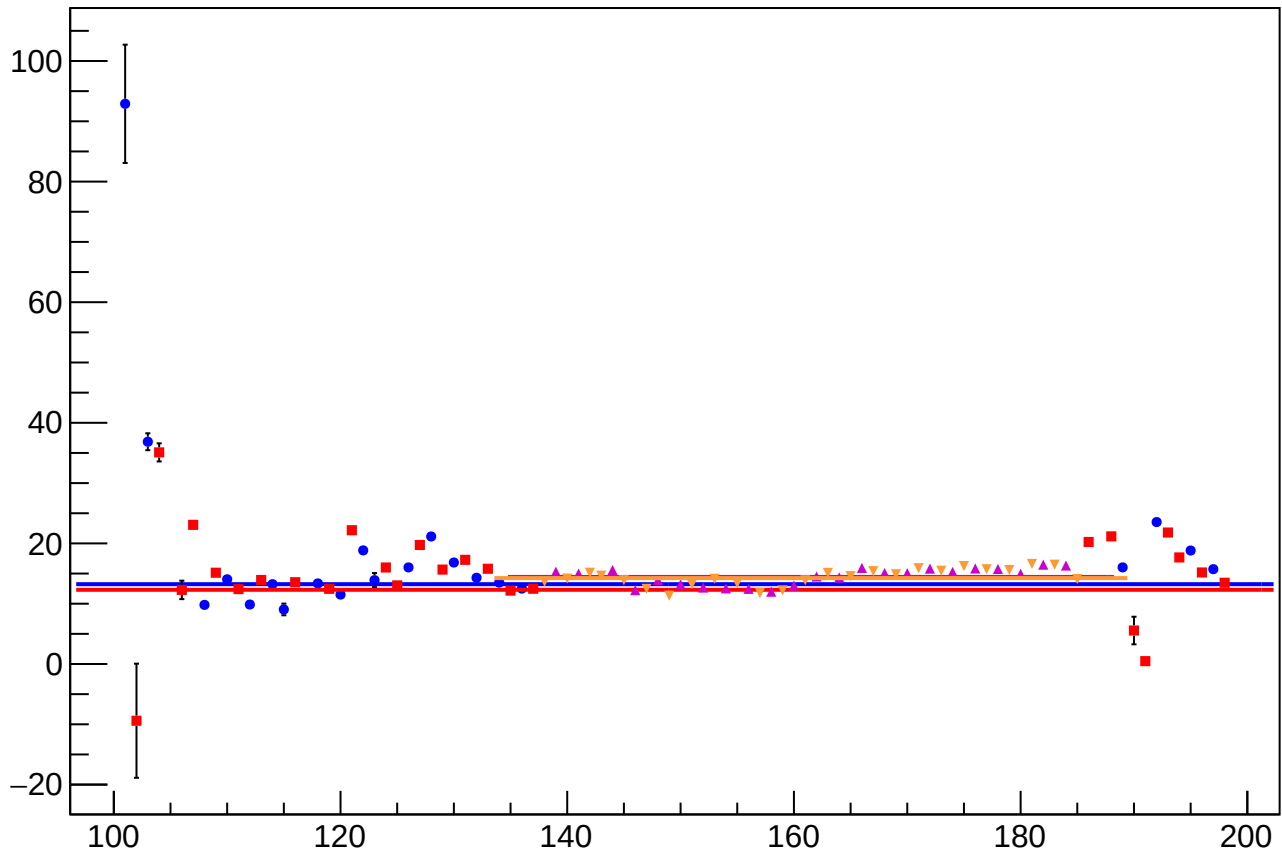
Right: -31.294 ± 0.022 $\chi^2/\text{NDF}: 609349.1/46$

In: -20.862 ± 0.013 $\chi^2/\text{NDF}: 443086.9/43$

Out: -21.545 ± 0.011 $\chi^2/\text{NDF}: 992552.6/50$

All: -21.246 ± 0.009 $\chi^2/\text{NDF}: 1437223.3/94$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238+/-0.000 χ^2/NDF : 7958.8/20

Left Out: 14.245+/-0.012 χ^2/NDF :12367.6/24

Right Out: 12.308+/-0.039 χ^2/NDF : 24670.9/25

Left In: 14.441+/-0.012 χ^2/NDF :12955.9/22

Left: 14.346+/-0.008 χ^2/NDF : 25459.7/47

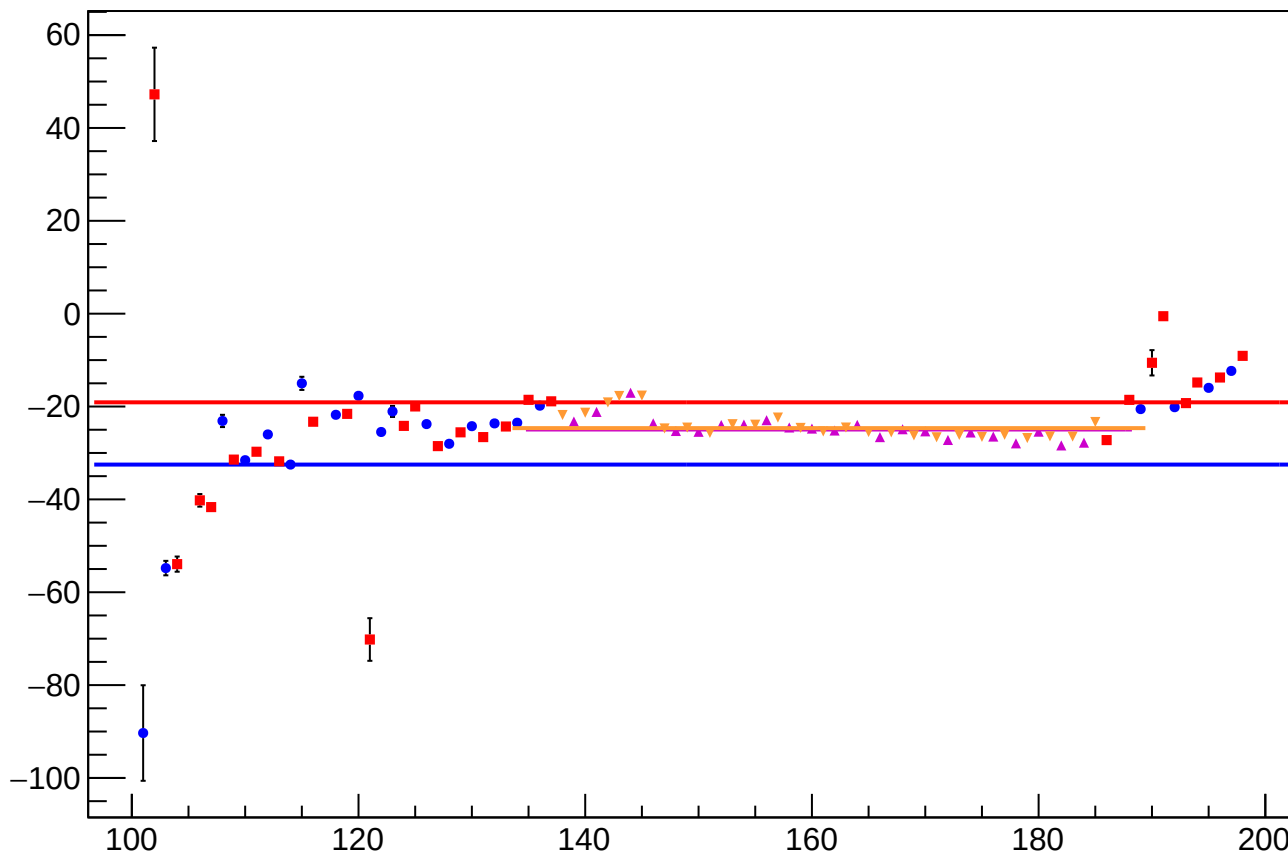
Right: 13.238+/-0.000 χ^2/NDF : 33203.9/46

In: 13.238+/-0.000 χ^2/NDF :31580.5/43

Out: 14.077+/-0.011 χ^2/NDF :39314.9/50

All: 13.238+/-0.000 χ^2/NDF : 76262.9/94

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 ± 0.000 χ^2/NDF : 86133.9/20

Left Out: -24.652 ± 0.015 χ^2/NDF : 23058.0/24

Right Out: -19.095 ± 0.039 χ^2/NDF : 65497.1/25

Left In: -24.948 ± 0.015 χ^2/NDF : 14049.6/22

Left: -24.798 ± 0.011 χ^2/NDF : 37300.4/47

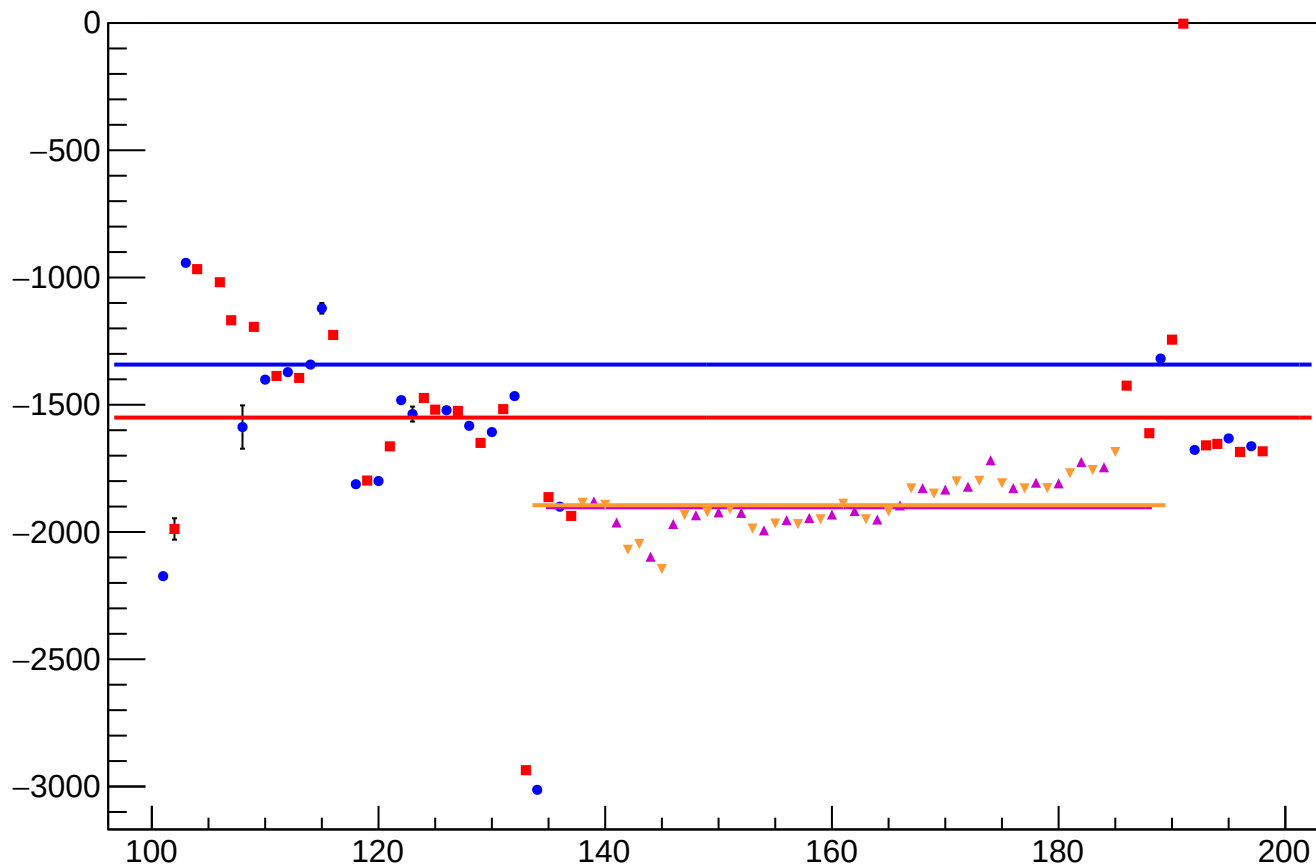
Right: -32.504 ± 0.000 χ^2/NDF : 268634.7/46

In: -32.504 ± 0.000 χ^2/NDF : 348084.8/43

Out: -23.945 ± 0.014 χ^2/NDF : 106093.7/50

All: -32.504 ± 0.000 χ^2/NDF : 828973.6/94

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107 ± 0.000 χ^2/NDF : 613963.6/20

Left Out: -1894.646 ± 0.318 χ^2/NDF : 67387.8/24

Right Out: -1550.370 ± 0.248 χ^2/NDF : 1975645.3/25

Left In: -1902.803 ± 0.289 χ^2/NDF : 69208.9/22

Left: -1899.114 ± 0.214 χ^2/NDF : 136957.6/47

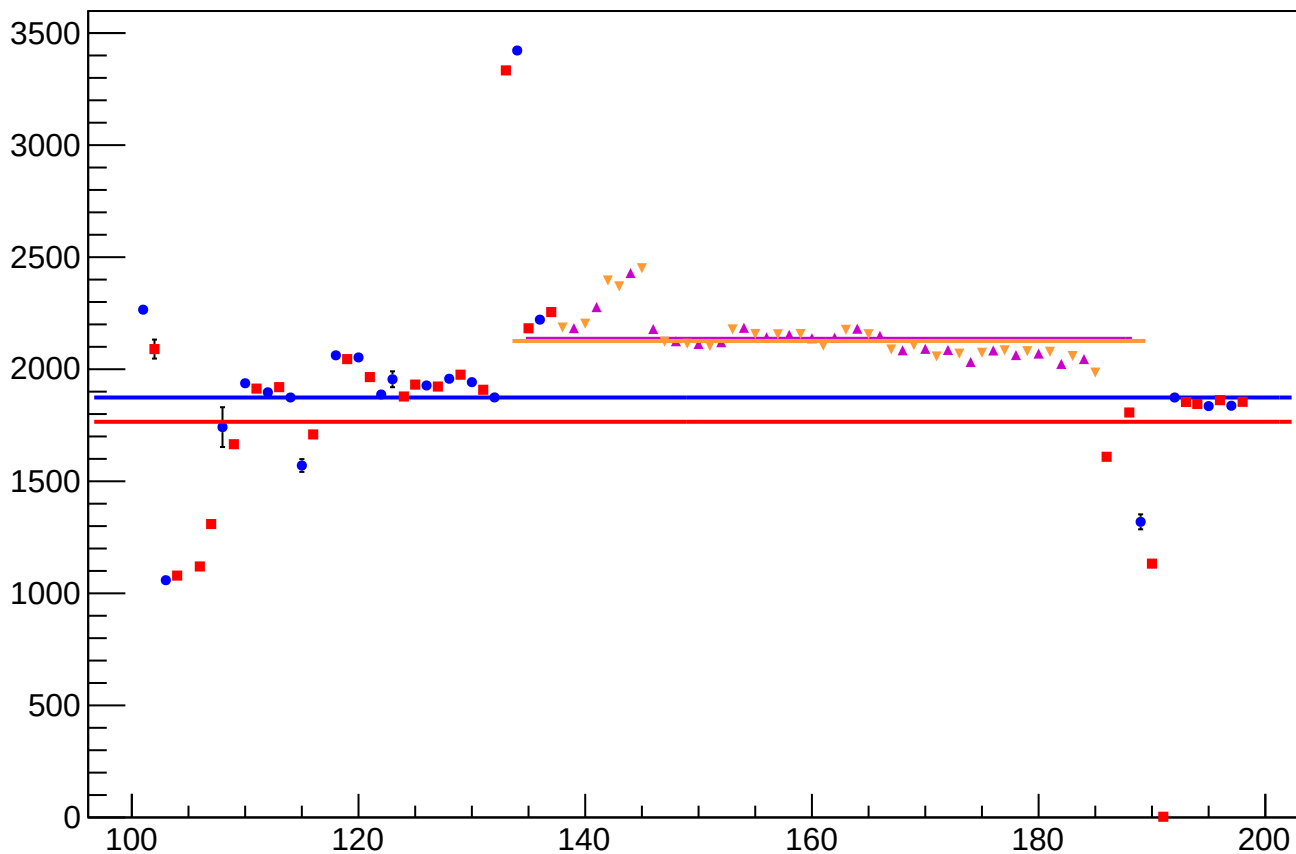
Right: -1342.107 ± 0.000 χ^2/NDF : 3293880.6/46

In: -1342.107 ± 0.000 χ^2/NDF : 4453258.9/43

Out: -1680.793 ± 0.196 χ^2/NDF : 2772117.9/50

All: -1342.107 ± 0.000 χ^2/NDF : 10223860.1/100

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852+/-0.000 χ^2/NDF : 202999.8/20

Left Out: 2126.160+/-0.317 χ^2/NDF : 48244.0/24

Right Out: 1765.456+/-0.246 χ^2/NDF : 3344047.5/25

Left In: 2135.770+/-0.290 χ^2/NDF : 58031.3/22

Left: 2131.403+/-0.214 χ^2/NDF : 106775.9/47

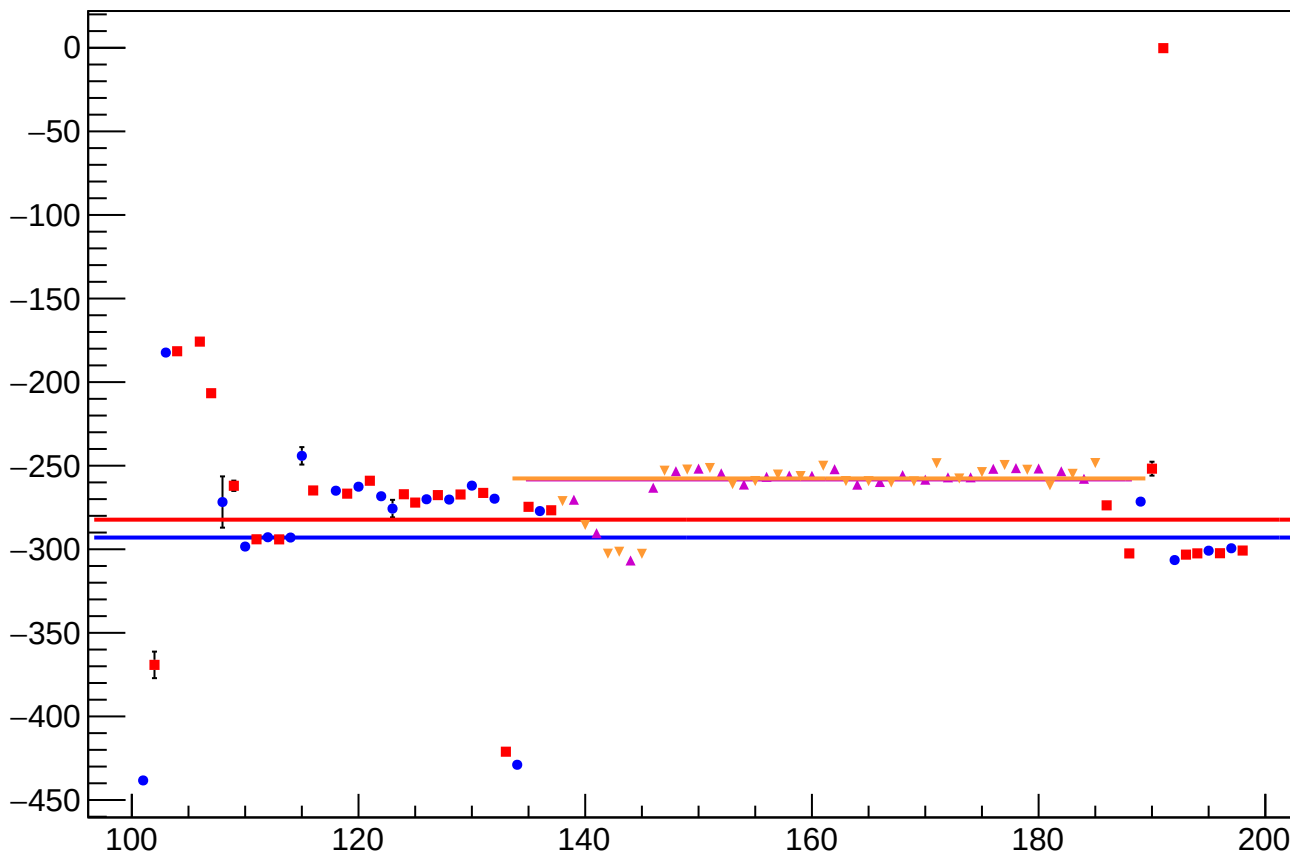
Right: 1873.852+/-0.000 χ^2/NDF : 3741105.2/46

In: 1873.852+/-0.000 χ^2/NDF : 1079477.6/43

Out: 1900.924+/-0.194 χ^2/NDF : 4199332.1/50

All: 1873.852+/-0.000 χ^2/NDF : 5298194.7/94

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986+/-0.000 χ^2/NDF : 1054065.5/20

Left Out: -257.631+/-0.020 χ^2/NDF :226942.0/24

Right Out: -282.290+/-0.033 χ^2/NDF : 1968029.0/25

Left In: -258.240+/-0.017 χ^2/NDF :268186.3/22

Left: -257.974+/-0.013 χ^2/NDF : 495658.2/47

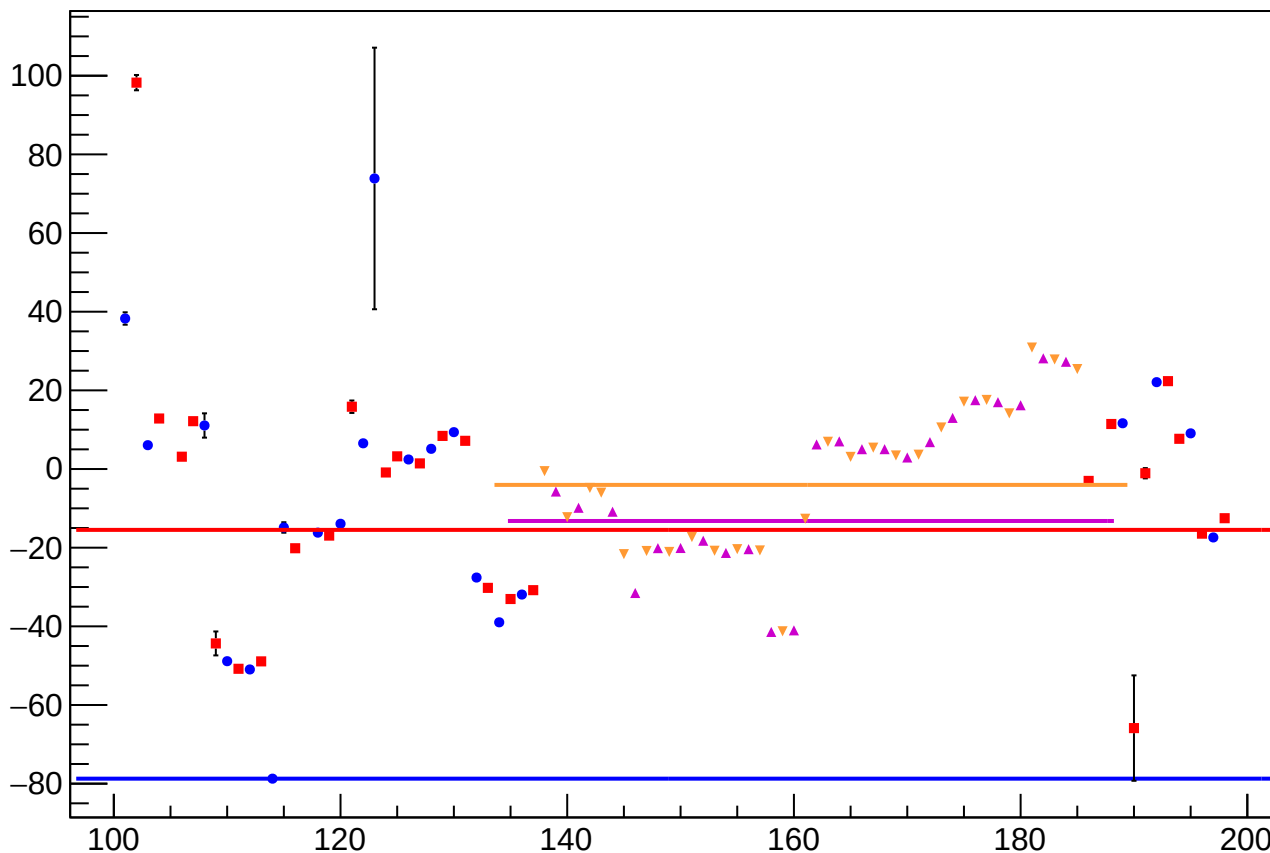
Right: -292.986+/-0.000 χ^2/NDF : 3125200.1/46

In: -292.986+/-0.000 χ^2/NDF :5268900.4/43

Out: -264.096+/-0.017 χ^2/NDF :2599247.5/50

All: -292.986+/-0.000 χ^2/NDF : 10736962.7/9

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 $\pm$ 0.000 χ^2 /NDF: 1608960.9/20

Left Out: -4.036 $\pm$ 0.017 χ^2 /NDF:1369619.3/24

Right Out: -15.475 $\pm$ 0.064 χ^2 /NDF: 99206.1/25

Left In: -13.213 $\pm$ 0.017 χ^2 /NDF:1356033.4/22

Left: -8.666 $\pm$ 0.012 χ^2 /NDF: 2871427.0/47

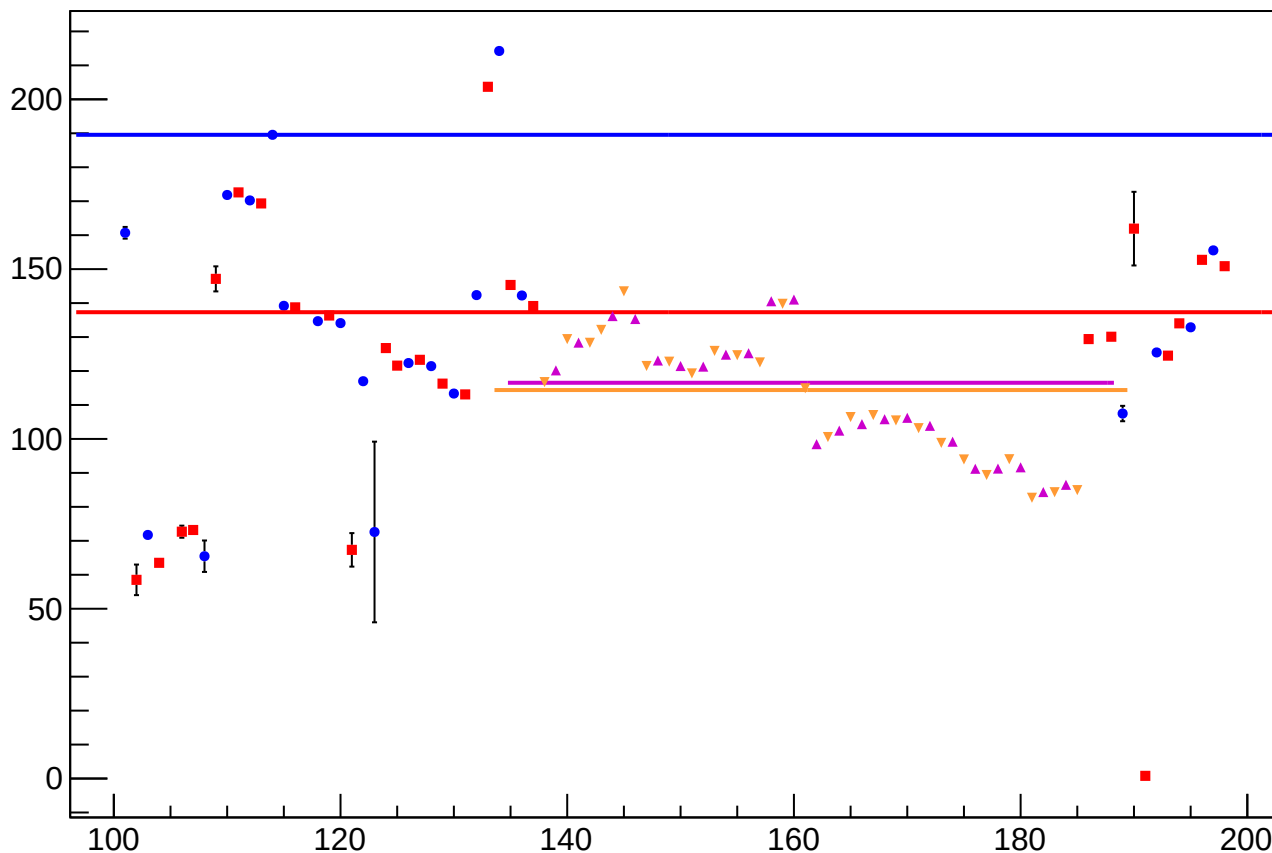
Right: -78.728 $\pm$ 0.000 χ^2 /NDF: 2678241.3/46

In: -78.728 $\pm$ 0.000 χ^2 /NDF:17961769.3/43

Out: -4.791 $\pm$ 0.016 χ^2 /NDF:1498458.5/50

All: -78.728 $\pm$ 0.000 χ^2 /NDF: 39541362.6/94

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 $\pm$ 0.000 χ^2 /NDF: 1018276.3/20

Left Out: 114.395 $\pm$ 0.023 χ^2 /NDF:434871.2/24

Right Out: 137.315 $\pm$ 0.055 χ^2 /NDF: 130653.8/25

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

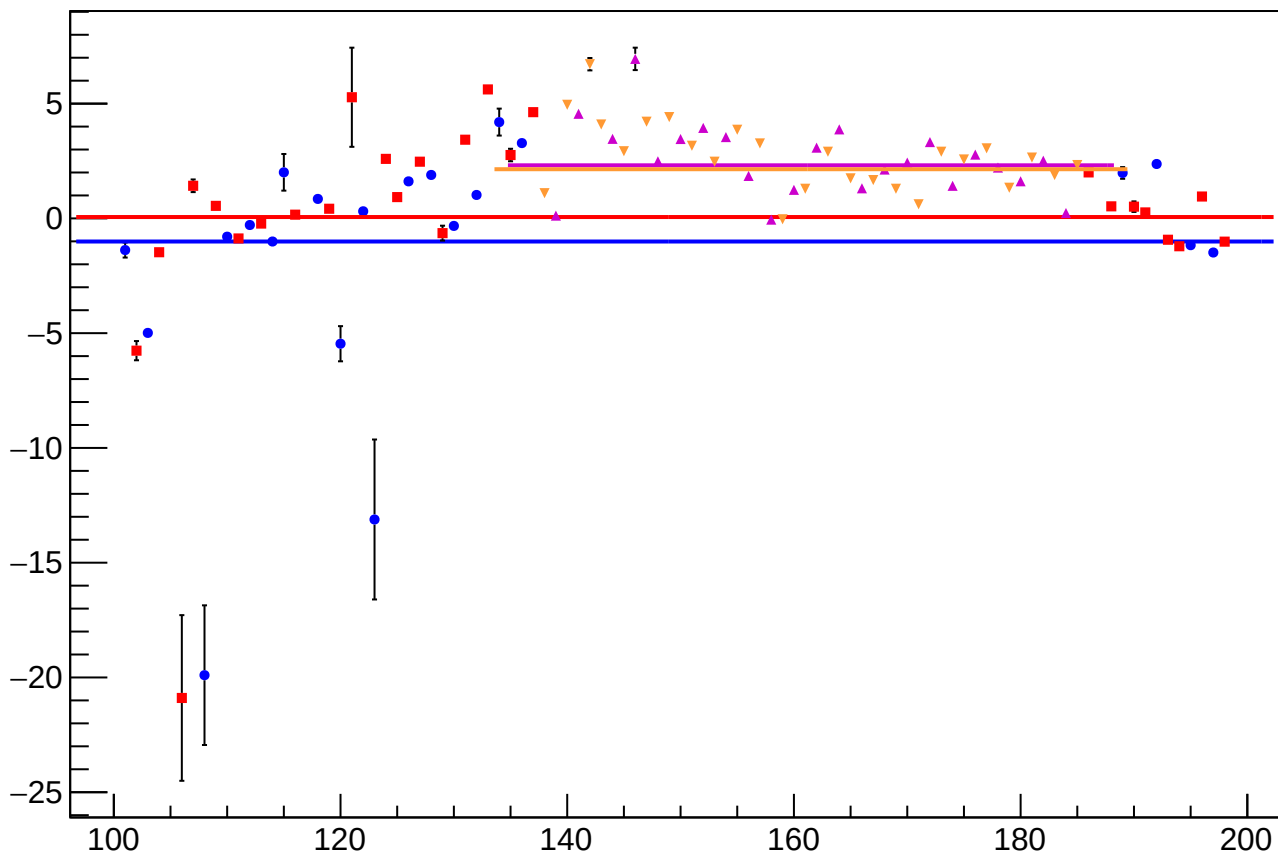
Right: 189.551 $\pm$ 0.000 χ^2 /NDF: 2043941.7/46

In: 189.551 $\pm$ 0.000 χ^2 /NDF:11038217.5/43

Out: 117.677 $\pm$ 0.021 χ^2 /NDF:713160.5/50

All: 189.551 $\pm$ 0.000 χ^2 /NDF: 23585010.0/94

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7923.3/20

Left Out: 2.143 ± 0.015 χ^2/NDF : 6585.0/24

Right Out: 0.060 ± 0.014 χ^2/NDF : 5949.0/25

Left In: 2.313 ± 0.014 χ^2/NDF : 7446.3/22

Left: 2.231 ± 0.010 χ^2/NDF : 14101.5/47

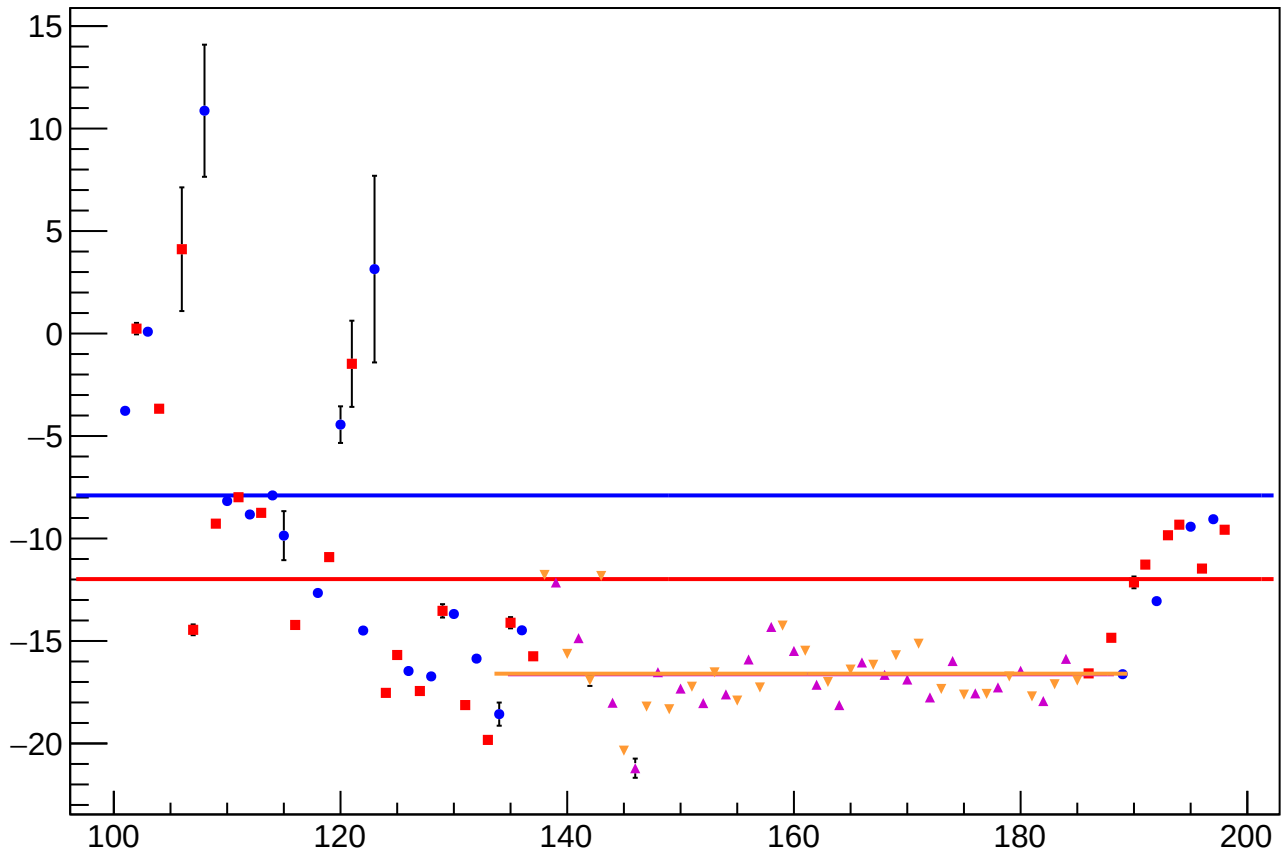
Right: -1.007 ± 0.000 χ^2/NDF : 19824.1/46

In: -1.007 ± 0.000 χ^2/NDF : 71093.6/43

Out: 1.041 ± 0.010 χ^2/NDF : 23230.2/50

All: -1.007 ± 0.000 χ^2/NDF : 135800.7/94

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -7.899 ± 0.000 χ^2/NDF : 46201.8/20

Left Out: -16.595 ± 0.014 χ^2/NDF : 8432.7/24

Right Out: -11.981 ± 0.016 χ^2/NDF : 36681.7/25

Left In: -16.625 ± 0.015 χ^2/NDF : 6289.5/22

Left: -16.610 ± 0.010 χ^2/NDF : 14724.4/47

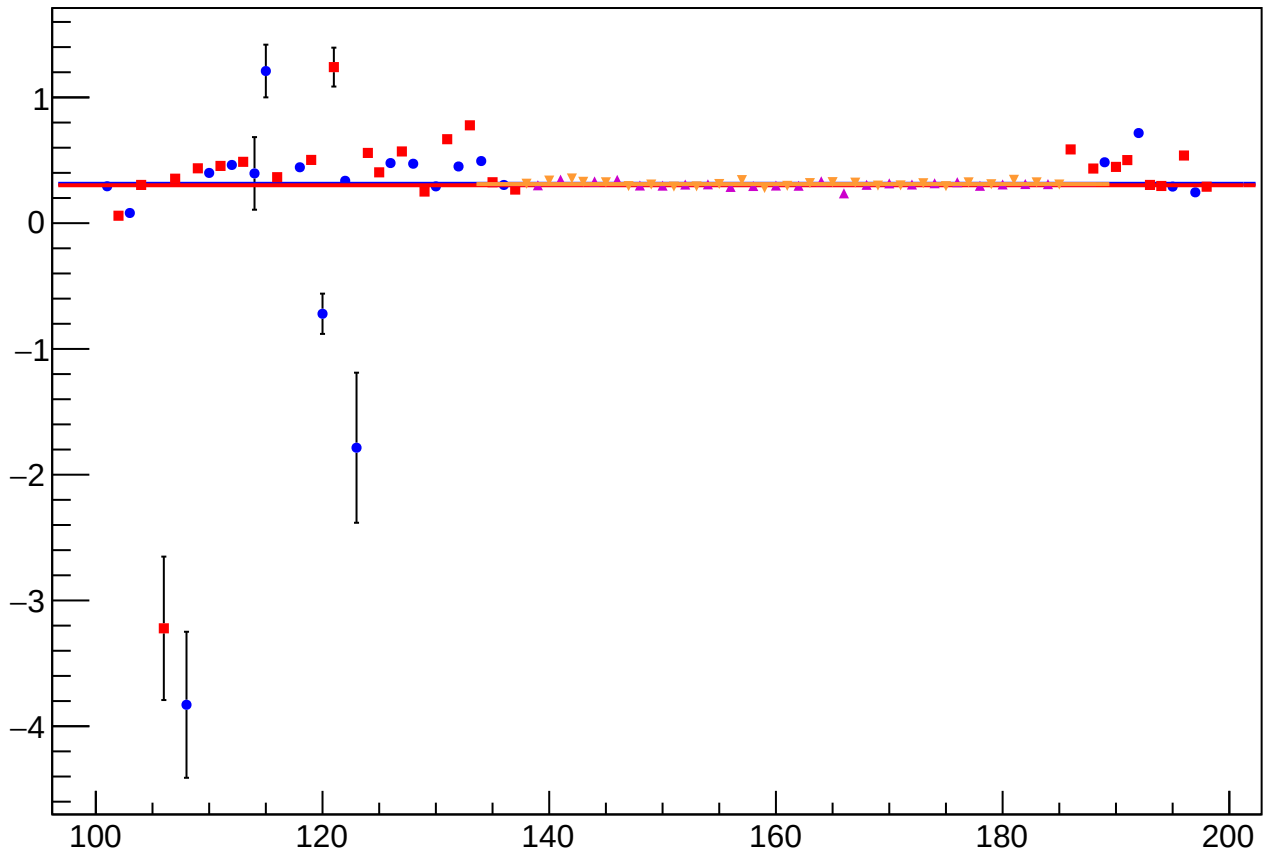
Right: -7.899 ± 0.000 χ^2/NDF : 147669.8/46

In: -7.899 ± 0.000 χ^2/NDF : 405299.1/43

Out: -14.539 ± 0.011 χ^2/NDF : 91012.4/50

All: -7.899 ± 0.000 χ^2/NDF : 881045.3/94

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.313 $\pm$ 0.001 χ^2 /NDF: 3329.3/20

Left Out: 0.311 $\pm$ 0.000 χ^2 /NDF: 4975.7/24

Right Out: 0.301 $\pm$ 0.001 χ^2 /NDF: 7233.5/25

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

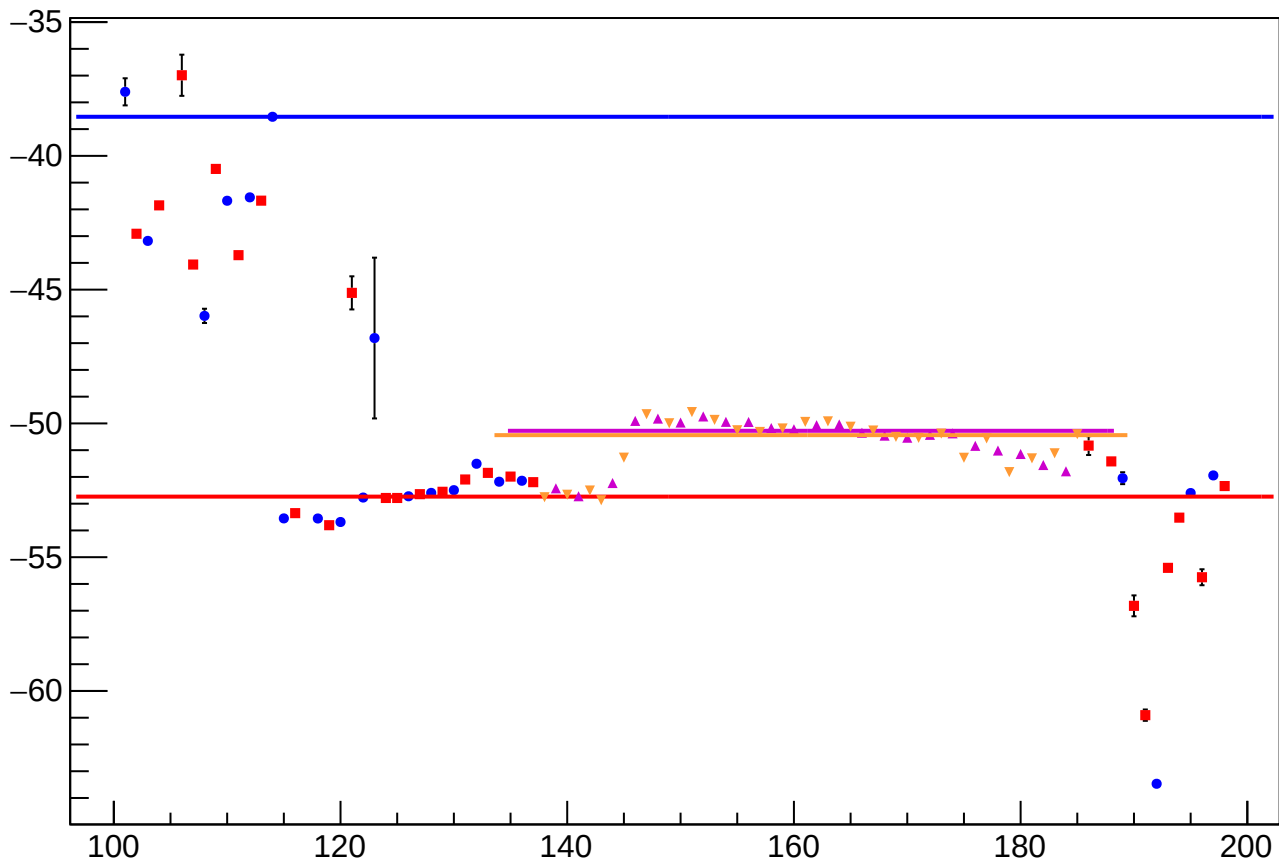
Right: 0.307 $\pm$ 0.001 χ^2 /NDF: 10646.4/46

In: 0.310 $\pm$ 0.000 χ^2 /NDF: 6414.1/43

Out: 0.310 $\pm$ 0.000 χ^2 /NDF: 12323.1/50

All: 0.310 $\pm$ 0.000 χ^2 /NDF: 18737.2/94

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 15049415.5/20$

Left Out: -50.438 ± 0.001 $\chi^2/\text{NDF}: 299897.3/24$

Right Out: -52.736 ± 0.002 $\chi^2/\text{NDF}: 84166.2/25$

Left In: -50.276 ± 0.001 $\chi^2/\text{NDF}: 190236.3/22$

Left: -50.350 ± 0.001 $\chi^2/\text{NDF}: 497837.6/47$

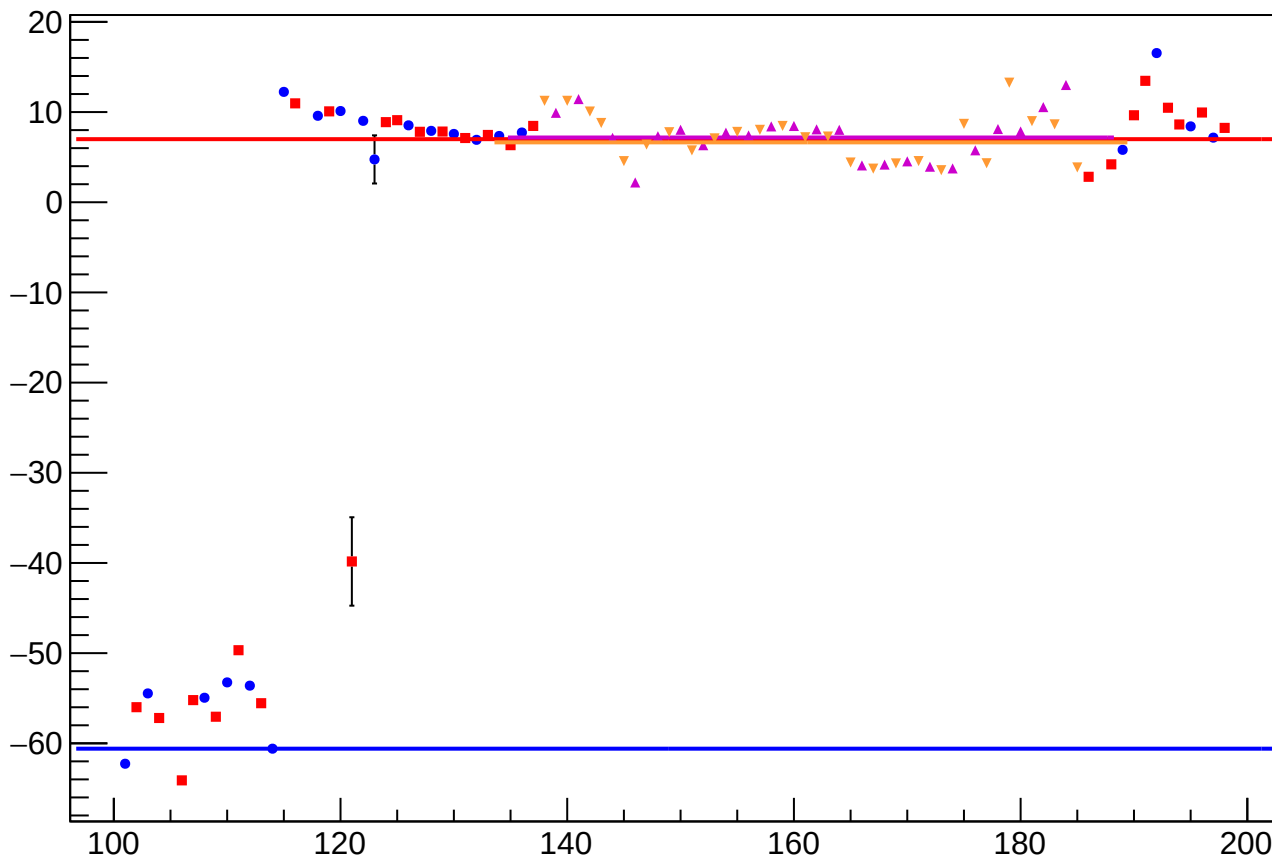
Right: -38.539 ± 0.000 $\chi^2/\text{NDF}: 72490901.2/46$

In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 103208476.6/43$

Out: -51.237 ± 0.001 $\chi^2/\text{NDF}: 1363802.5/50$

All: -38.539 ± 0.000 $\chi^2/\text{NDF}: 236529188.7/9$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 28538219.1/20$

Left Out: 6.641 ± 0.004 $\chi^2/\text{NDF}: 340462.4/24$

Right Out: 6.995 ± 0.010 $\chi^2/\text{NDF}: 1164521.0/25$

Left In: 7.179 ± 0.003 $\chi^2/\text{NDF}: 214127.6/22$

Left: 6.926 ± 0.003 $\chi^2/\text{NDF}: 565961.5/47$

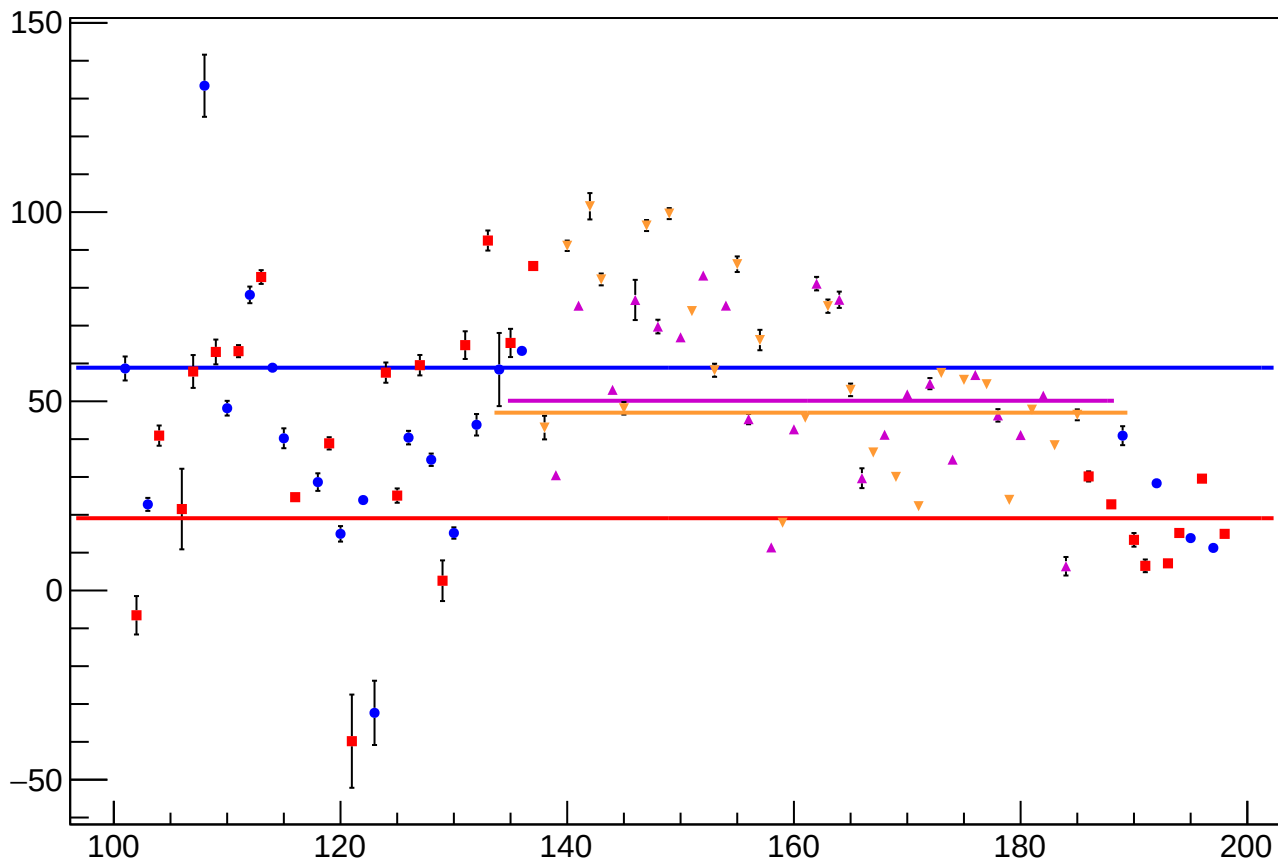
Right: -60.594 ± 0.000 $\chi^2/\text{NDF}: 73591525.5/46$

In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 412609081.1/43$

Out: 6.682 ± 0.003 $\chi^2/\text{NDF}: 1506053.1/50$

All: -60.594 ± 0.000 $\chi^2/\text{NDF}: 792067977.9/99$

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 $\pm$ 0.000 χ^2 /NDF: 23272.8/20

Left Out: 46.995 $\pm$ 0.215 χ^2 /NDF:9203.7/24

Right Out: 19.101 $\pm$ 0.160 χ^2 /NDF: 10747.8/25

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

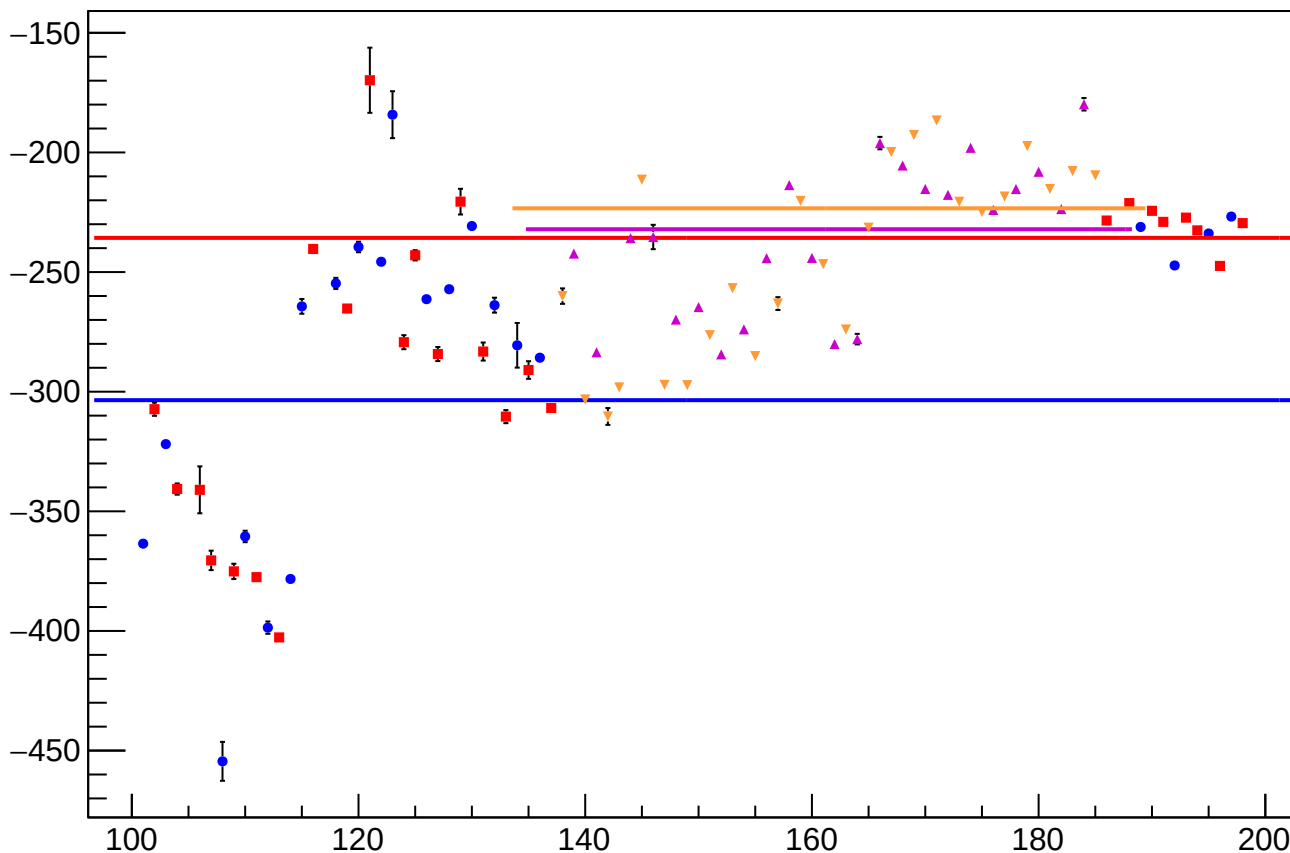
Right: 58.880 $\pm$ 0.000 χ^2 /NDF: 95799.9/46

In: 58.880 $\pm$ 0.000 χ^2 /NDF:31646.4/43

Out: 29.048 $\pm$ 0.128 χ^2 /NDF:30784.4/50

All: 58.880 $\pm$ 0.000 χ^2 /NDF: 116433.9/94

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -303.540 ± 0.189 χ^2/NDF : 134444.1/20

Left Out: -223.342 ± 0.215 χ^2/NDF : 22293.9/24

Right Out: -235.703 ± 0.144 χ^2/NDF : 28510.6/25

Left In: -232.094 ± 0.217 χ^2/NDF : 17468.1/22

Left: -227.678 ± 0.153 χ^2/NDF : 40579.8/47

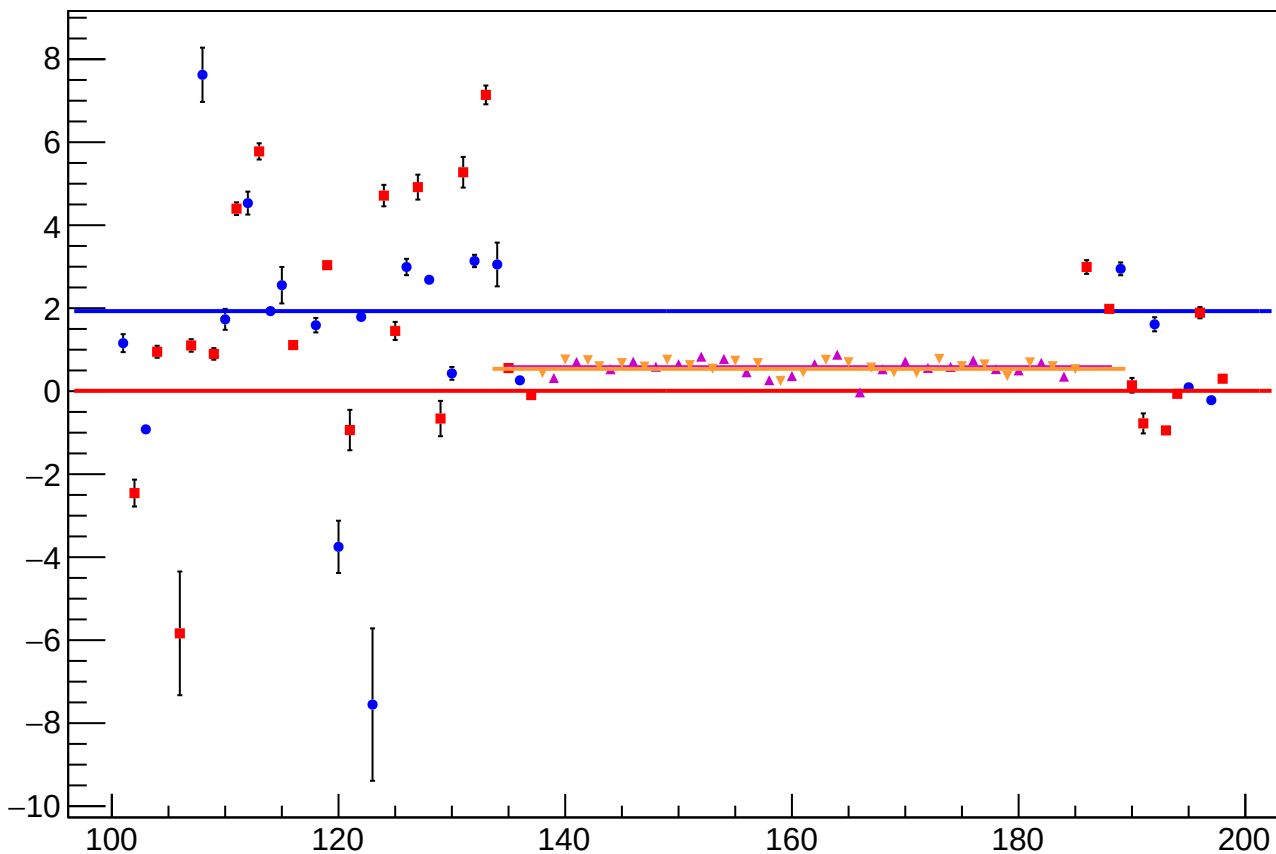
Right: -260.564 ± 0.114 χ^2/NDF : 244544.6/46

In: -272.782 ± 0.143 χ^2/NDF : 213412.5/43

Out: -231.894 ± 0.120 χ^2/NDF : 53082.5/50

All: -248.770 ± 0.092 χ^2/NDF : 314744.7/94

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 $\pm$ 0.000 χ^2 /NDF: 63866.8/20

Left Out: 0.539 $\pm$ 0.002 χ^2 /NDF:10792.6/24

Right Out: 0.009 $\pm$ 0.004 χ^2 /NDF: 10793.2/25

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

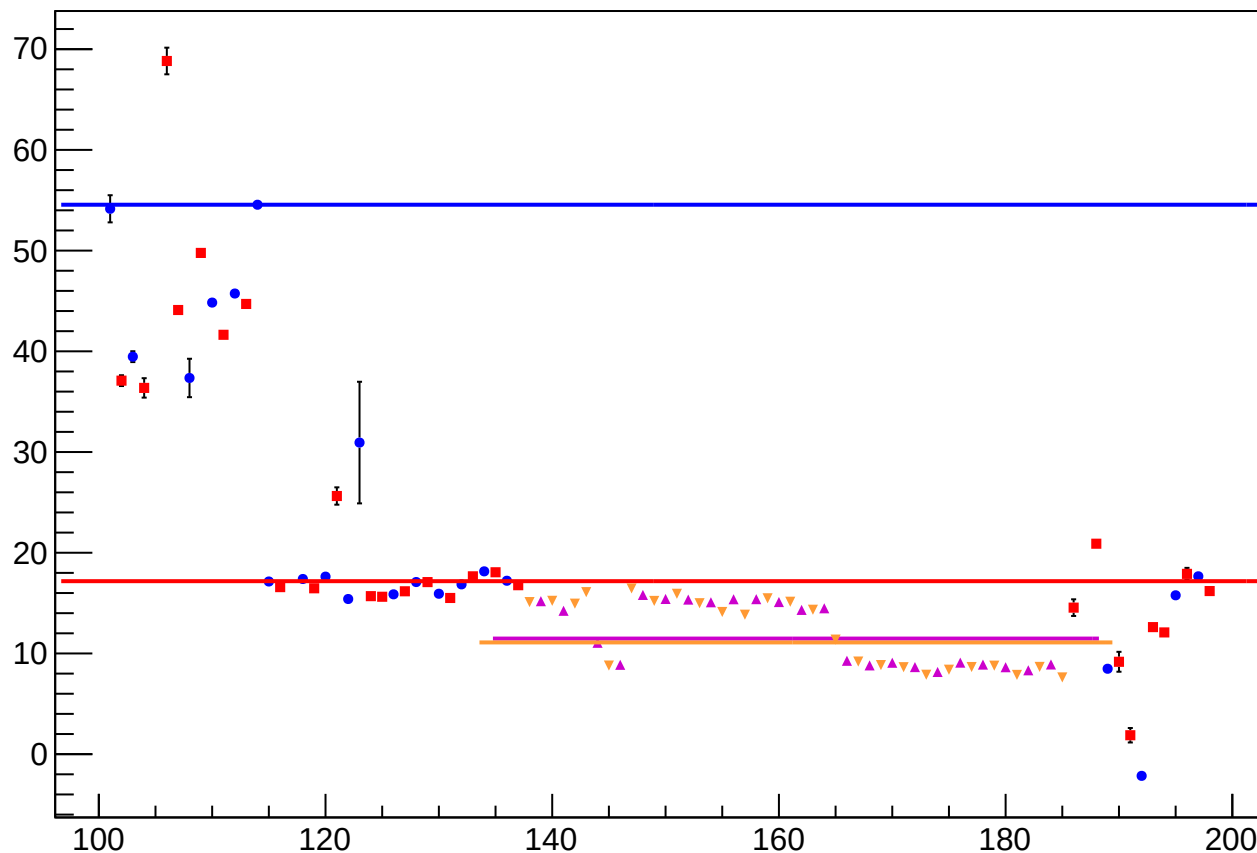
Right: 1.930 $\pm$ 0.000 χ^2 /NDF: 273632.7/46

In: 1.930 $\pm$ 0.000 χ^2 /NDF:948597.6/43

Out: 0.469 $\pm$ 0.002 χ^2 /NDF:34732.9/50

All: 1.930 $\pm$ 0.000 χ^2 /NDF: 1860440.0/94

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556 $\pm$ 0.000 χ^2 /NDF: 9946152.2/20

Left Out: 11.095 $\pm$ 0.005 χ^2 /NDF: 381518.3/24

Right Out: 17.177 $\pm$ 0.018 χ^2 /NDF: 62487.5/25

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

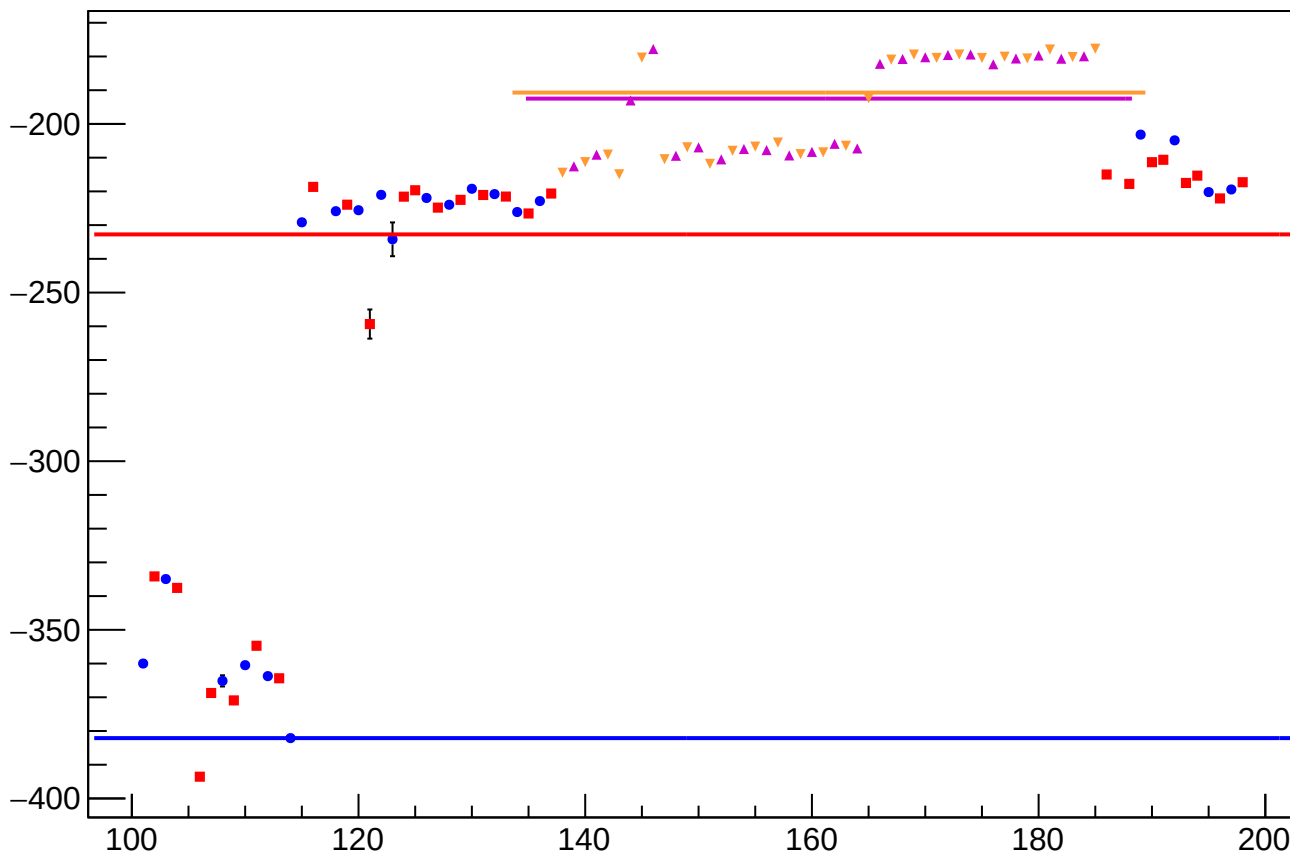
Right: 54.556 $\pm$ 0.000 χ^2 /NDF: 14302881.5/46

In: 54.556 $\pm$ 0.000 χ^2 /NDF: 78272888.1/43

Out: 11.588 $\pm$ 0.005 χ^2 /NDF: 548480.8/50

All: 54.556 $\pm$ 0.000 χ^2 /NDF: 148836416.0/94

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 19497846.9/20

Left Out: -190.703+/-0.011 χ^2/NDF : 1602184.8/24

Right Out: -232.754+/-0.046 χ^2/NDF : 658539.2/25

Left In: -192.488+/-0.011 χ^2/NDF : 1500910.9/22

Left: -191.577+/-0.008 χ^2/NDF : 3115630.8/47

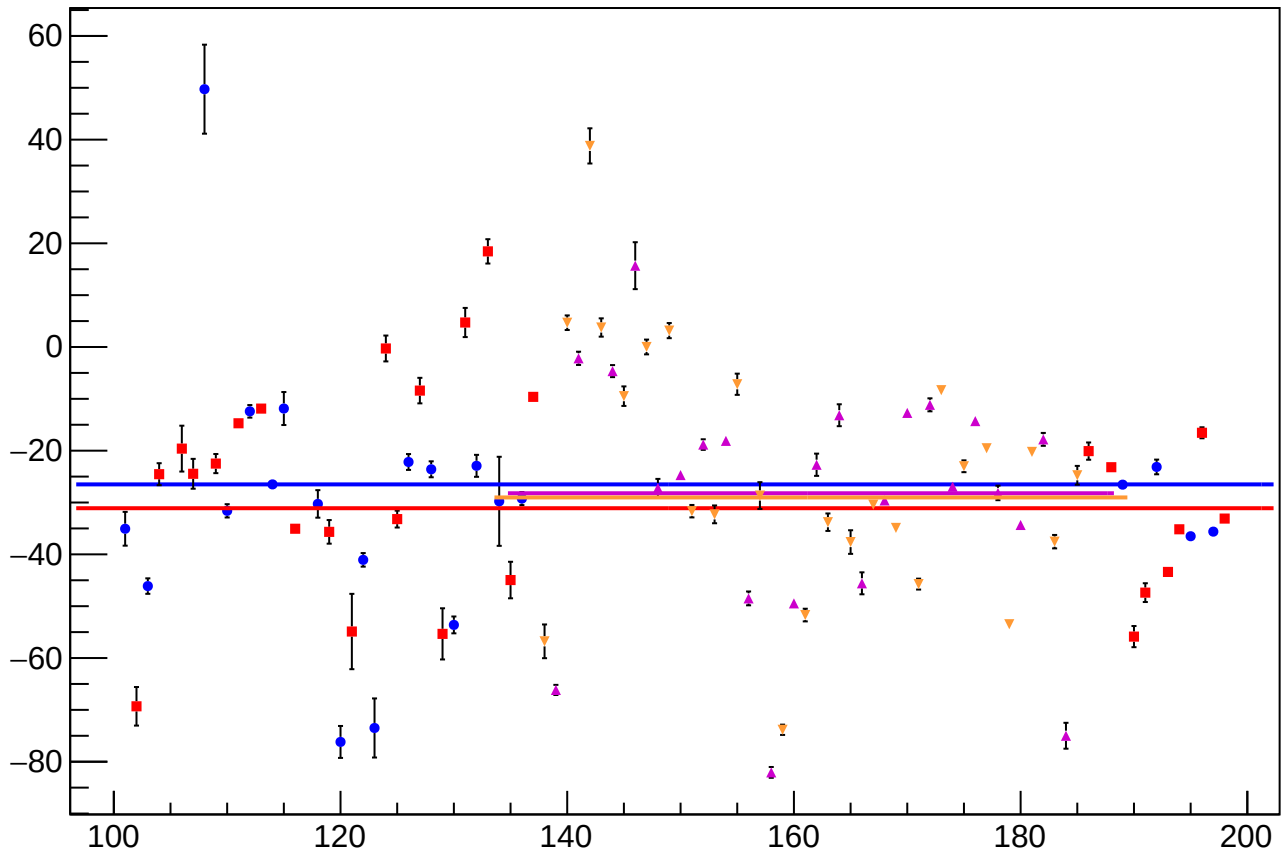
Right: -382.108+/-0.000 χ^2/NDF : 30595535.4/46

In: -382.108+/-0.000 χ^2/NDF : 298112003.1/43

Out: -193.017+/-0.011 χ^2/NDF : 3042702.3/50

All: -382.108+/-0.000 χ^2/NDF : 605148522.1/100

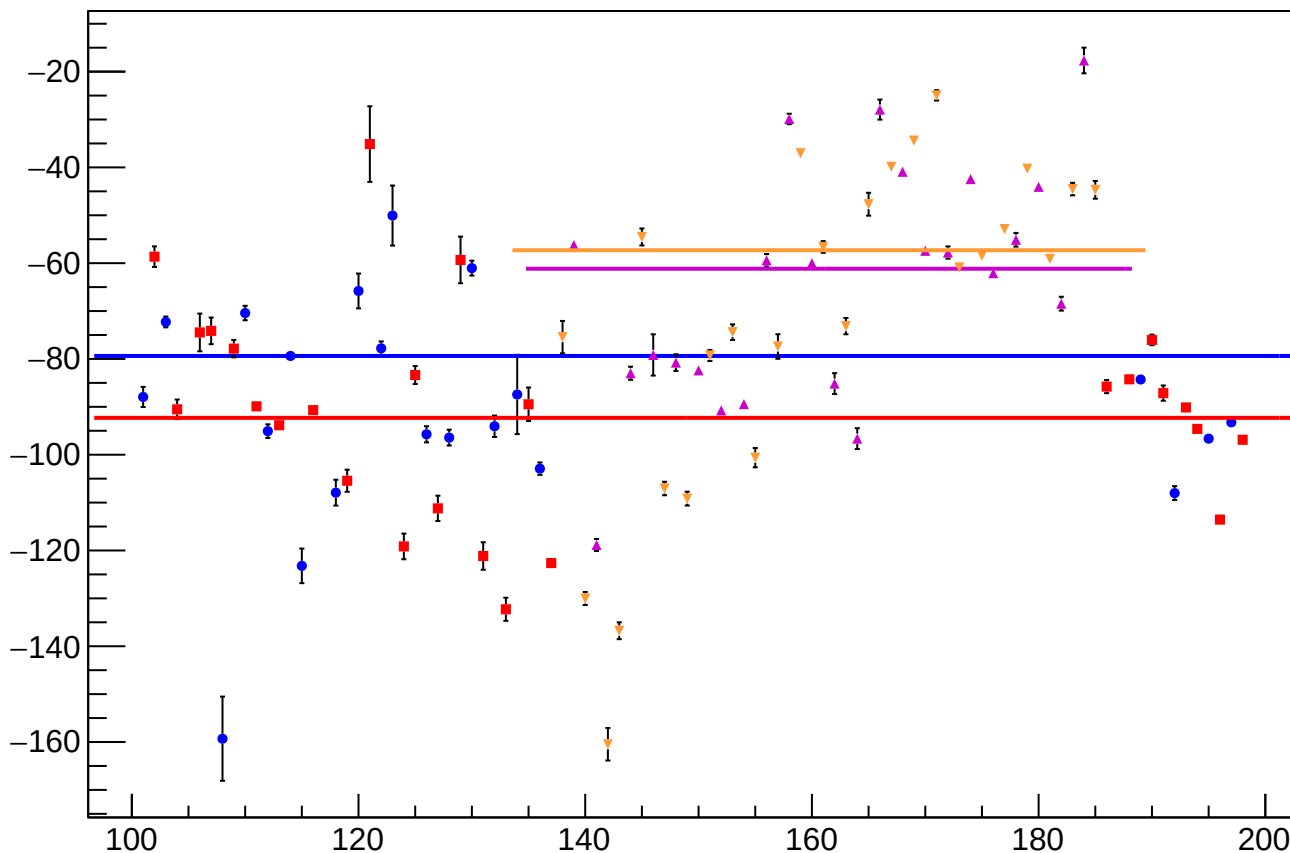
dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 +/- 0.000 χ^2/NDF : 1731.9/20
 Left Out: -29.022 +/- 0.235 χ^2/NDF : 7110.5/24
 Right Out: -31.101 +/- 0.167 χ^2/NDF : 4533.6/25
 Left In: -28.215 +/- 0.215 χ^2/NDF : 7786.5/22

Left: -28.582 +/- 0.158 χ^2/NDF : 14903.4/47
 Right: -26.504 +/- 0.000 χ^2/NDF : 7025.1/46
 In: -26.504 +/- 0.000 χ^2/NDF : 9582.0/43
 Out: -30.403 +/- 0.136 χ^2/NDF : 11696.2/50
 All: -26.504 +/- 0.000 χ^2/NDF : 22100.7/94

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 3485.5/20$

Left Out: -57.300 ± 0.229 $\chi^2/\text{NDF}: 13067.7/24$

Right Out: -92.305 ± 0.142 $\chi^2/\text{NDF}: 3273.7/25$

Left In: -61.164 ± 0.218 $\chi^2/\text{NDF}: 8941.7/22$

Left: -59.332 ± 0.158 $\chi^2/\text{NDF}: 22158.9/47$

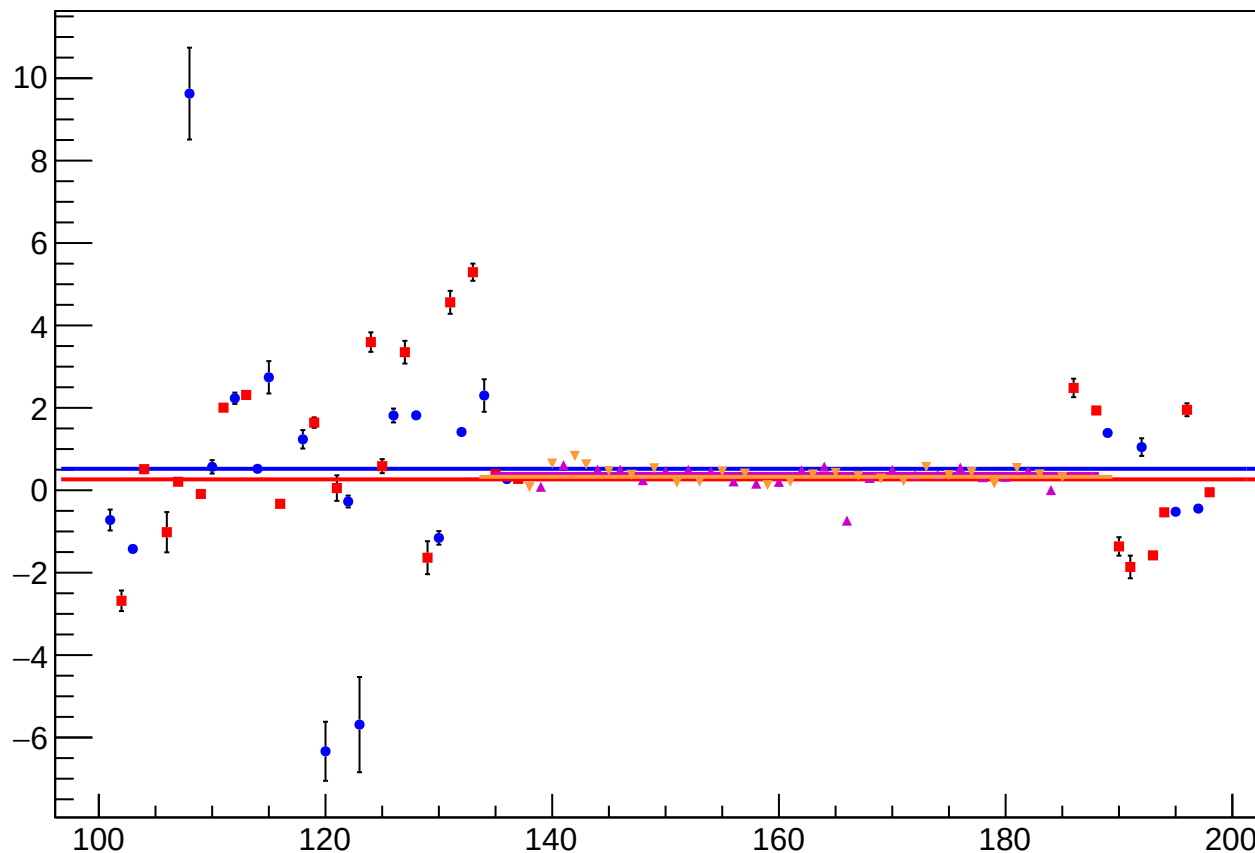
Right: -79.376 ± 0.000 $\chi^2/\text{NDF}: 15041.8/46$

In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 19433.1/43$

Out: -82.589 ± 0.121 $\chi^2/\text{NDF}: 33193.6/50$

All: -79.376 ± 0.000 $\chi^2/\text{NDF}: 53334.7/94$

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521 ± 0.000 $\chi^2/\text{NDF}: 3954.5/20$

Left Out: 0.326 ± 0.002 $\chi^2/\text{NDF}: 10419.3/24$

Right Out: 0.265 ± 0.010 $\chi^2/\text{NDF}: 5941.3/25$

Left In: 0.396 ± 0.001 $\chi^2/\text{NDF}: 11392.0/22$

Left: 0.365 ± 0.001 $\chi^2/\text{NDF}: 22859.4/47$

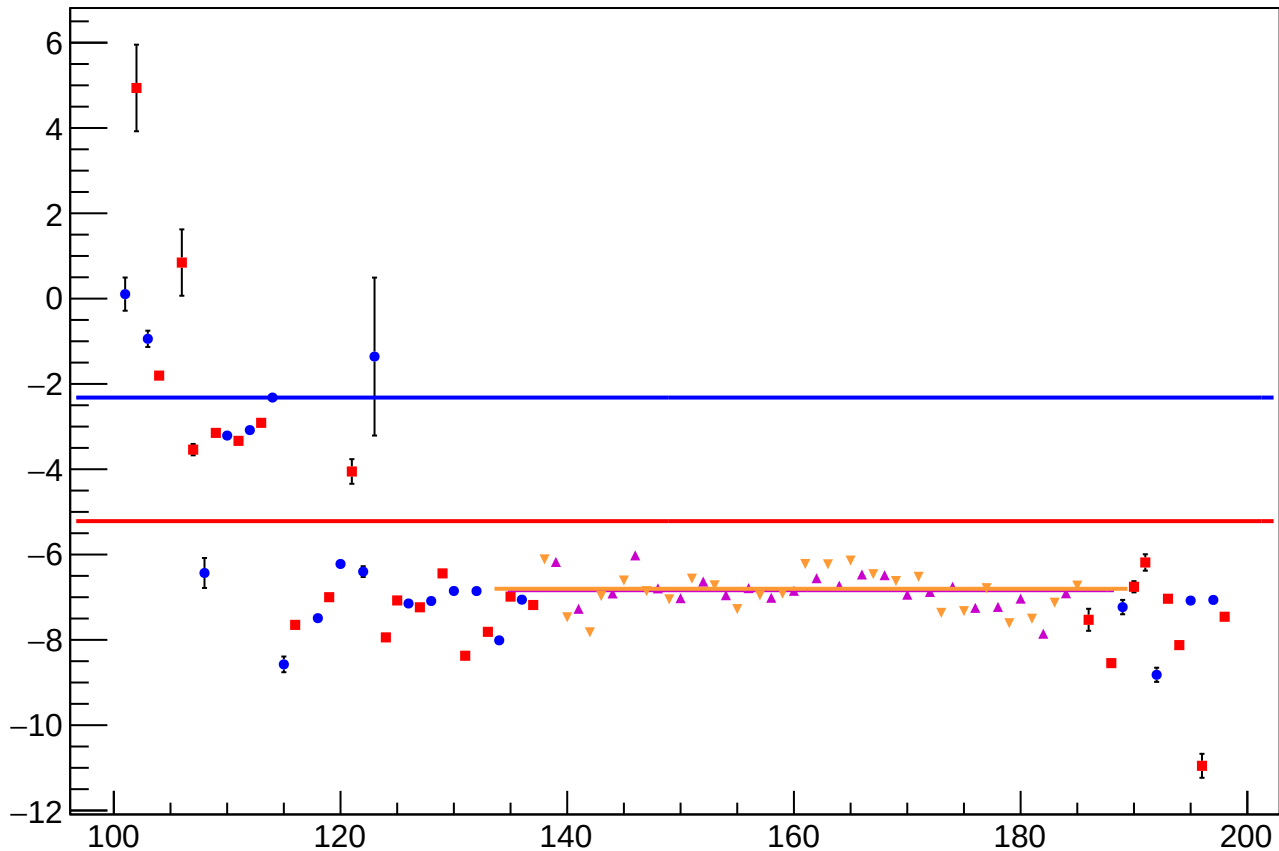
Right: 0.521 ± 0.000 $\chi^2/\text{NDF}: 10536.4/46$

In: 0.521 ± 0.000 $\chi^2/\text{NDF}: 22863.3/43$

Out: 0.325 ± 0.002 $\chi^2/\text{NDF}: 16396.7/50$

All: 0.521 ± 0.000 $\chi^2/\text{NDF}: 54617.7/94$

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 281969.3/20$

Left Out: -6.802 ± 0.002 $\chi^2/\text{NDF}: 14918.8/24$

Right Out: -5.217 ± 0.010 $\chi^2/\text{NDF}: 55043.3/25$

Left In: -6.836 ± 0.002 $\chi^2/\text{NDF}: 9245.1/22$

Left: -6.819 ± 0.002 $\chi^2/\text{NDF}: 24259.8/47$

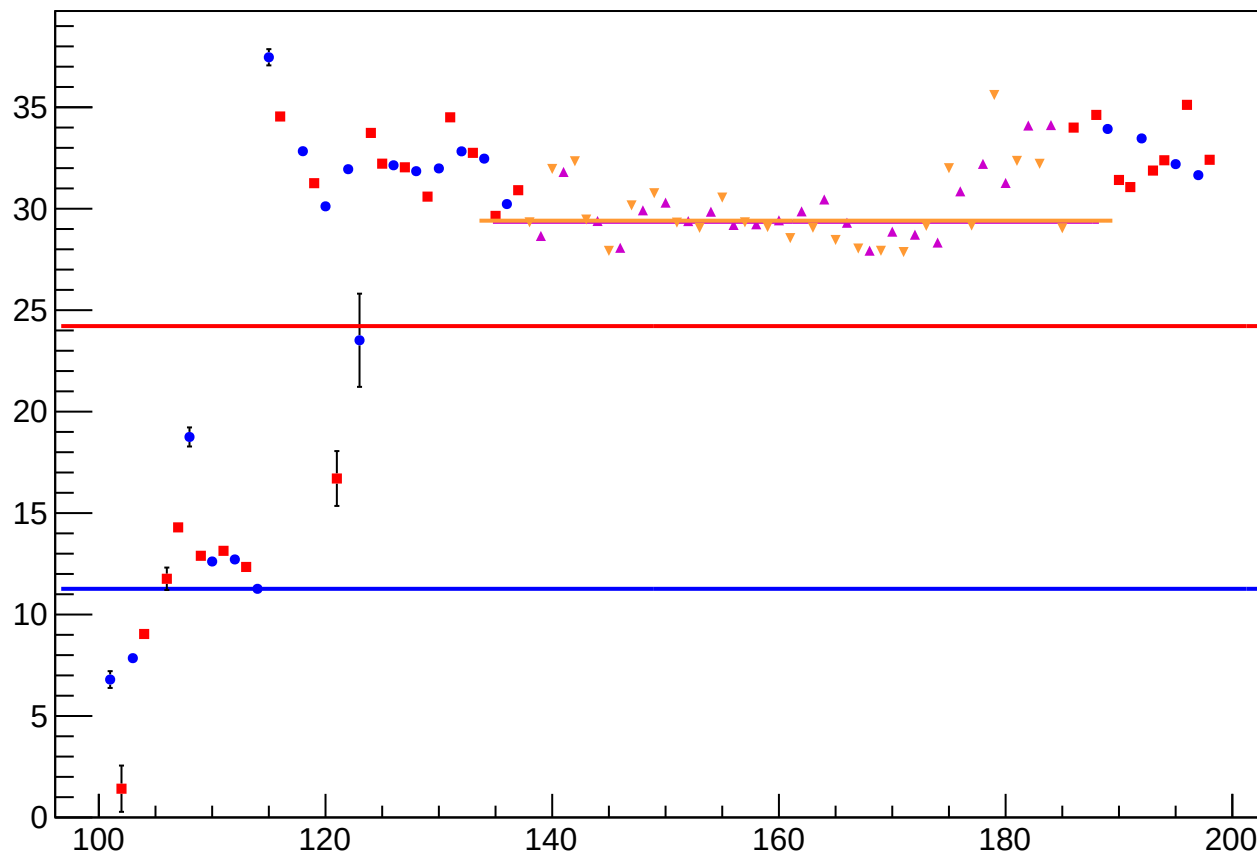
Right: -2.320 ± 0.000 $\chi^2/\text{NDF}: 427996.8/46$

In: -2.320 ± 0.000 $\chi^2/\text{NDF}: 3803294.4/43$

Out: -6.702 ± 0.002 $\chi^2/\text{NDF}: 95495.9/50$

All: -2.320 ± 0.000 $\chi^2/\text{NDF}: 7212147.8/94$

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268+/-0.000 χ^2/NDF : 1171049.2/20

Left Out: 29.411+/-0.008 χ^2/NDF : 44374.5/24

Right Out: 24.215+/-0.015 χ^2/NDF : 429171.2/25

Left In: 29.354+/-0.008 χ^2/NDF : 14741.7/22

Left: 29.381+/-0.006 χ^2/NDF : 59141.7/47

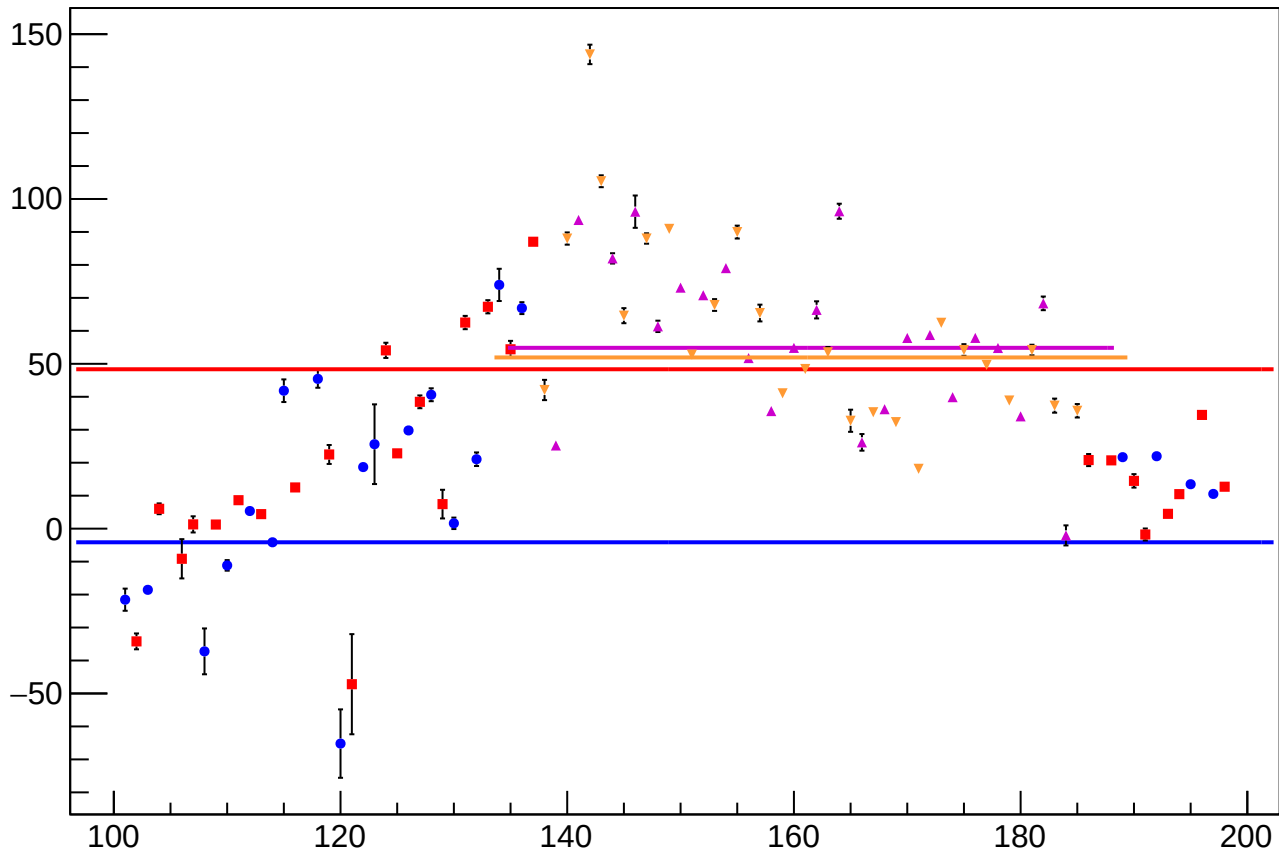
Right: 11.268+/-0.000 χ^2/NDF : 2322309.2/46

In: 11.268+/-0.000 χ^2/NDF : 6449983.1/43

Out: 28.248+/-0.007 χ^2/NDF : 563778.8/50

All: 11.268+/-0.000 χ^2/NDF : 12560868.0/94

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 χ^2/NDF : 6466.0/20

Left Out: 51.931 ± 0.276 χ^2/NDF : 6225.4/24

Right Out: 48.348 ± 0.154 χ^2/NDF : 60726.5/25

Left In: 54.849 ± 0.247 χ^2/NDF : 6325.8/22

Left: 53.548 ± 0.184 χ^2/NDF : 12613.3/47

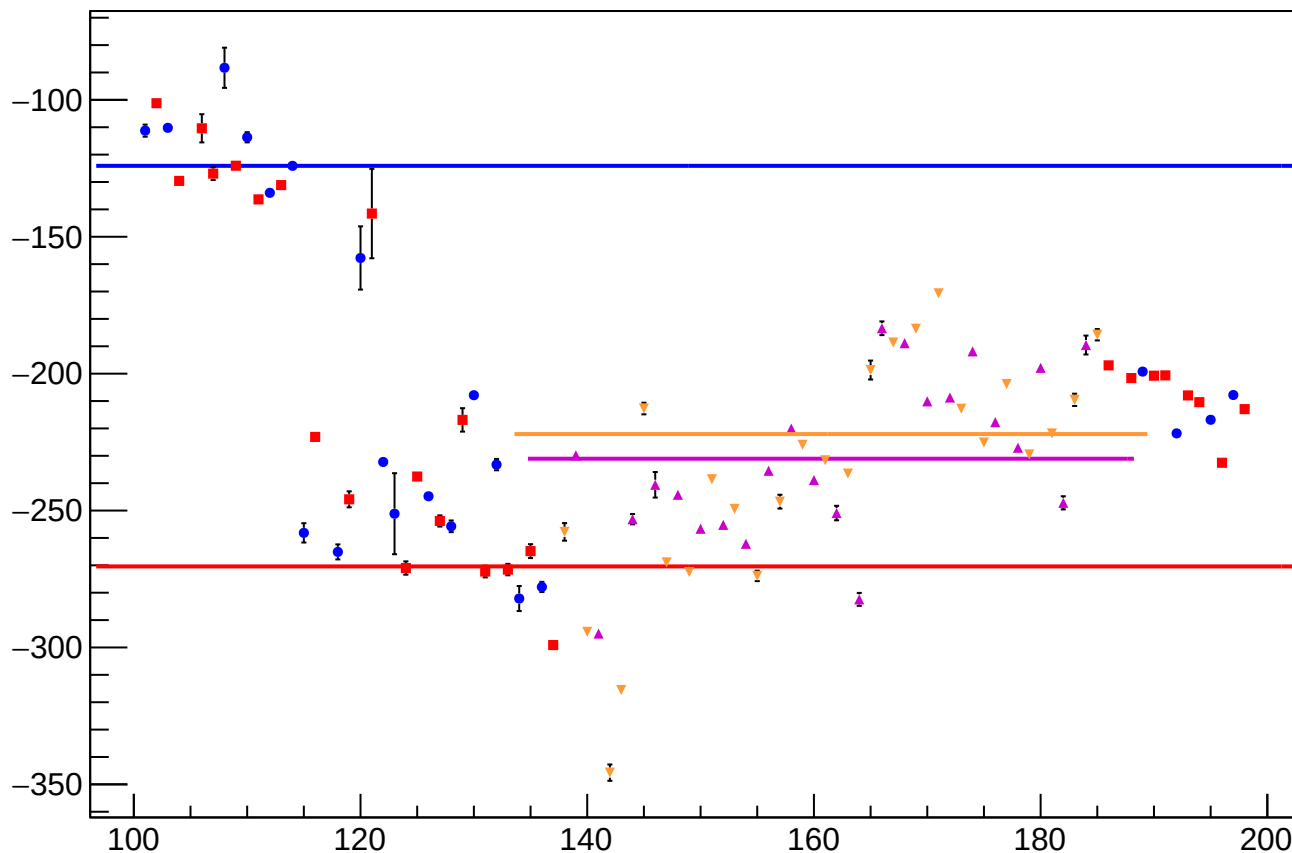
Right: -4.139 ± 0.000 χ^2/NDF : 183284.0/46

In: -4.139 ± 0.000 χ^2/NDF : 69746.4/43

Out: 49.201 ± 0.134 χ^2/NDF : 67080.7/50

All: -4.139 ± 0.000 χ^2/NDF : 294195.8/94

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 χ^2/NDF : 86863.6/20

Left Out: -222.063 ± 0.272 χ^2/NDF : 15812.2/24

Right Out: -270.394 ± 0.104 χ^2/NDF : 211899.8/25

Left In: -231.069 ± 0.249 χ^2/NDF : 12005.6/22

Left: -226.957 ± 0.184 χ^2/NDF : 28412.7/47

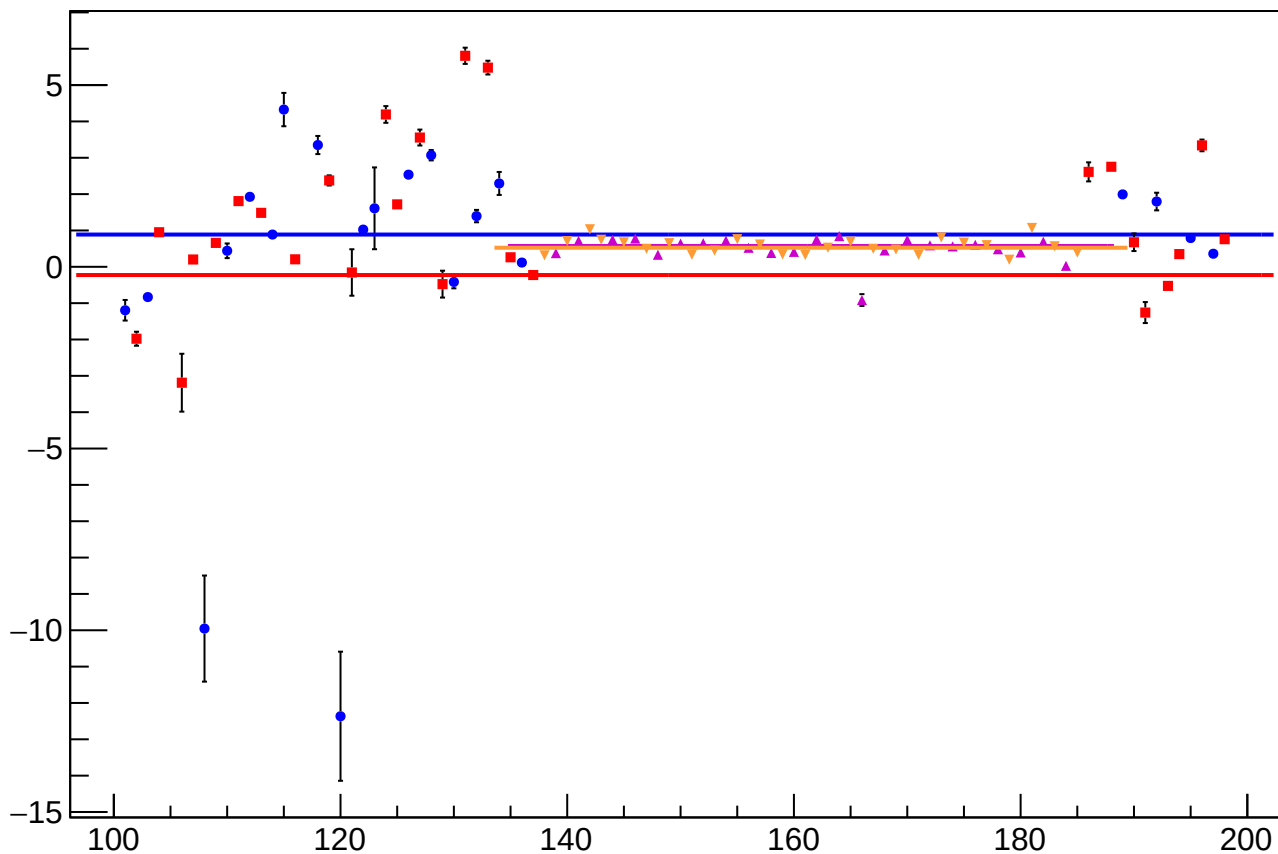
Right: -124.095 ± 0.000 χ^2/NDF : 2262484.4/46

In: -124.095 ± 0.000 χ^2/NDF : 282742.5/43

Out: -264.195 ± 0.097 χ^2/NDF : 255197.3/50

All: -124.095 ± 0.000 χ^2/NDF : 2603729.8/94

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 8813.4/20$

Left Out: 0.525 ± 0.002 $\chi^2/\text{NDF}: 9207.9/24$

Right Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 6858.6/25$

Left In: 0.572 ± 0.002 $\chi^2/\text{NDF}: 5600.2/22$

Left: 0.549 ± 0.001 $\chi^2/\text{NDF}: 15080.9/47$

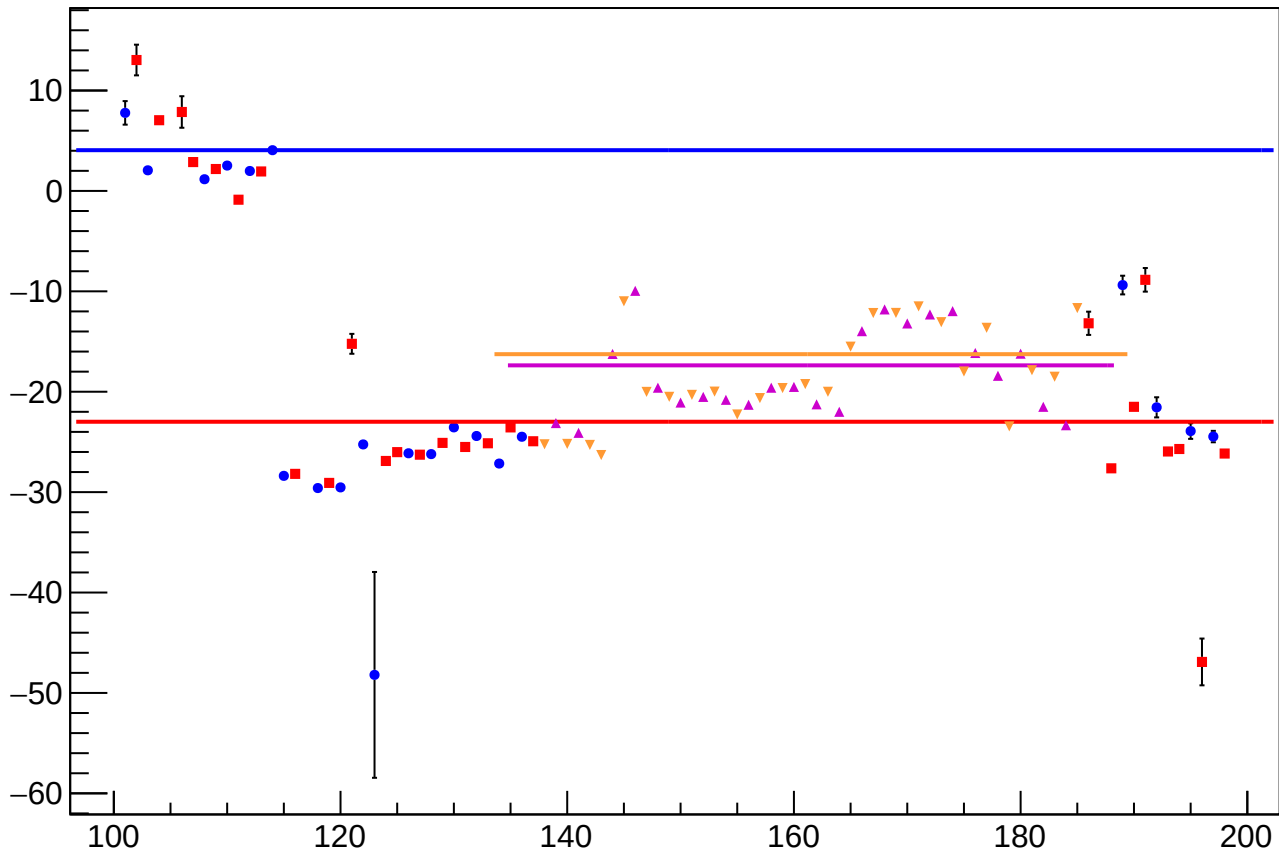
Right: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422222084.0/46$

In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 39842.9/43$

Out: -0.225 ± 0.000 $\chi^2/\text{NDF}: 154588.3/50$

All: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422294660.8/94$

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 χ^2/NDF : 1252552.2/20

Left Out: -16.260 ± 0.010 χ^2/NDF : 188515.0/24

Right Out: -22.990 ± 0.026 χ^2/NDF : 116886.3/25

Left In: -17.374 ± 0.009 χ^2/NDF : 169487.5/22

Left: -16.854 ± 0.007 χ^2/NDF : 364596.8/47

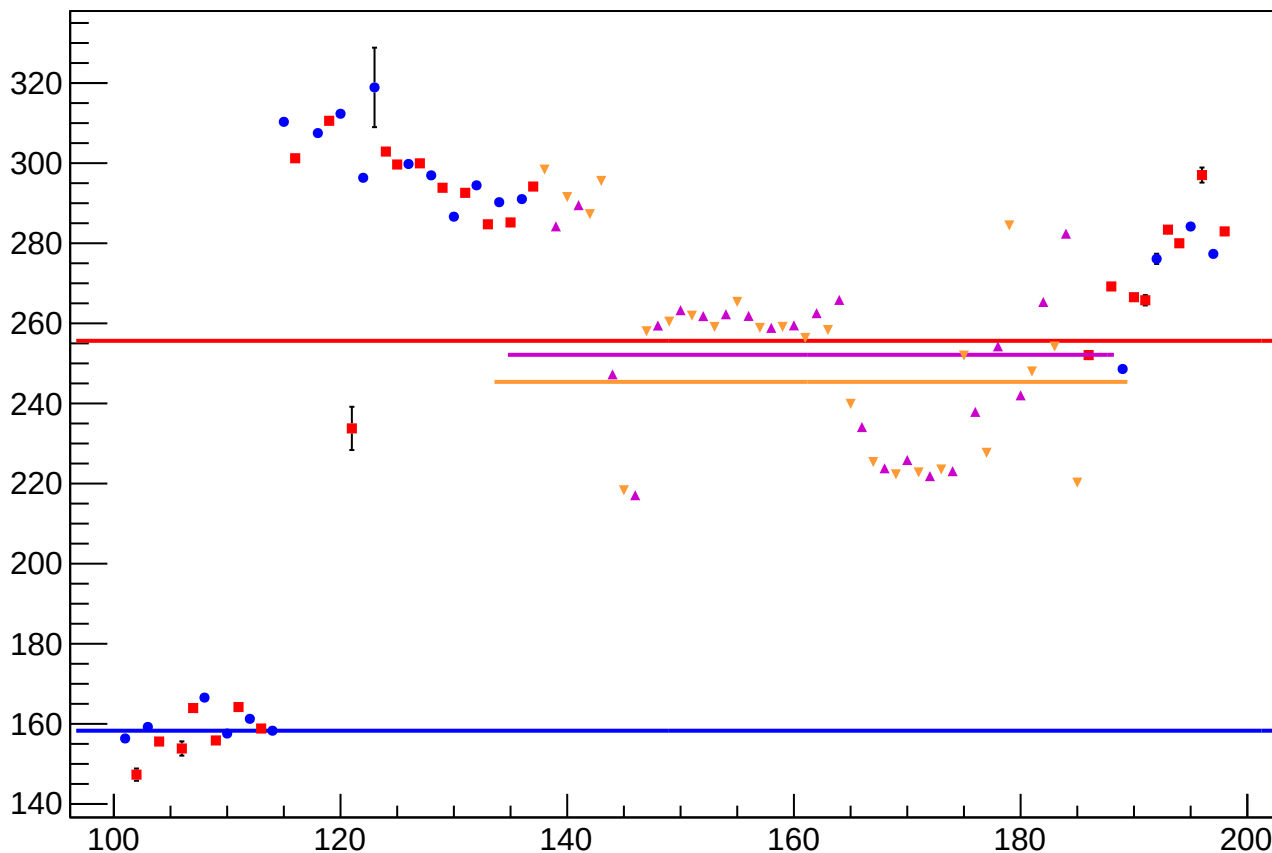
Right: 4.057 ± 0.000 χ^2/NDF : 2453302.5/46

In: 4.057 ± 0.000 χ^2/NDF : 6652305.4/43

Out: -17.131 ± 0.009 χ^2/NDF : 363822.3/50

All: 4.057 ± 0.000 χ^2/NDF : 12157465.8/94

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293 $\pm$ 0.000 χ^2/NDF : 2522308.4/20

Left Out: 245.391 $\pm$ 0.027 χ^2/NDF : 723564.6/24

Right Out: 255.641 $\pm$ 0.062 χ^2/NDF : 960545.3/25

Left In: 252.148 $\pm$ 0.028 χ^2/NDF : 359416.7/22

Left: 248.650 $\pm$ 0.020 χ^2/NDF : 1112396.8/47

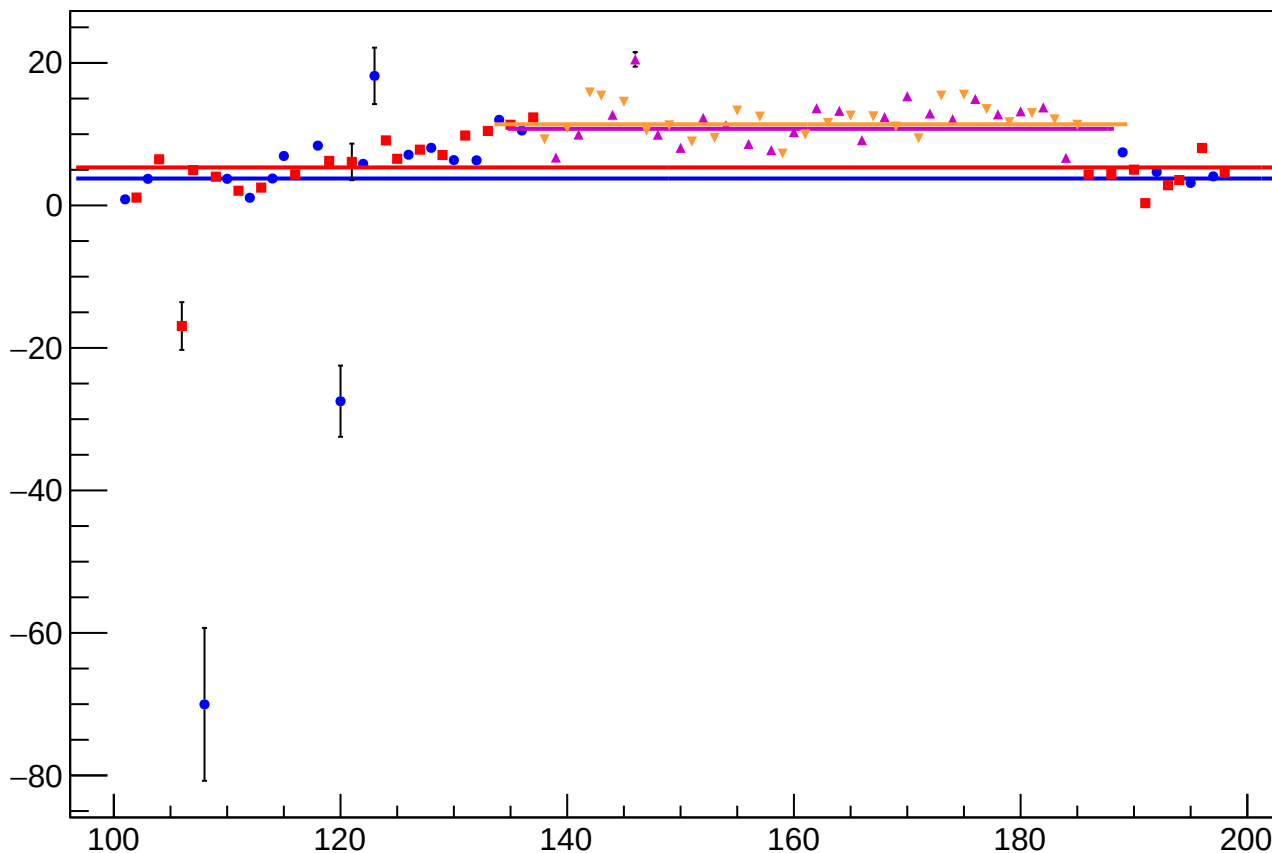
Right: 158.293 $\pm$ 0.000 χ^2/NDF : 5961660.6/46

In: 158.293 $\pm$ 0.000 χ^2/NDF : 13845360.9/43

Out: 247.070 $\pm$ 0.025 χ^2/NDF : 1707090.3/50

All: 158.293 $\pm$ 0.000 χ^2/NDF : 28138877.8/94

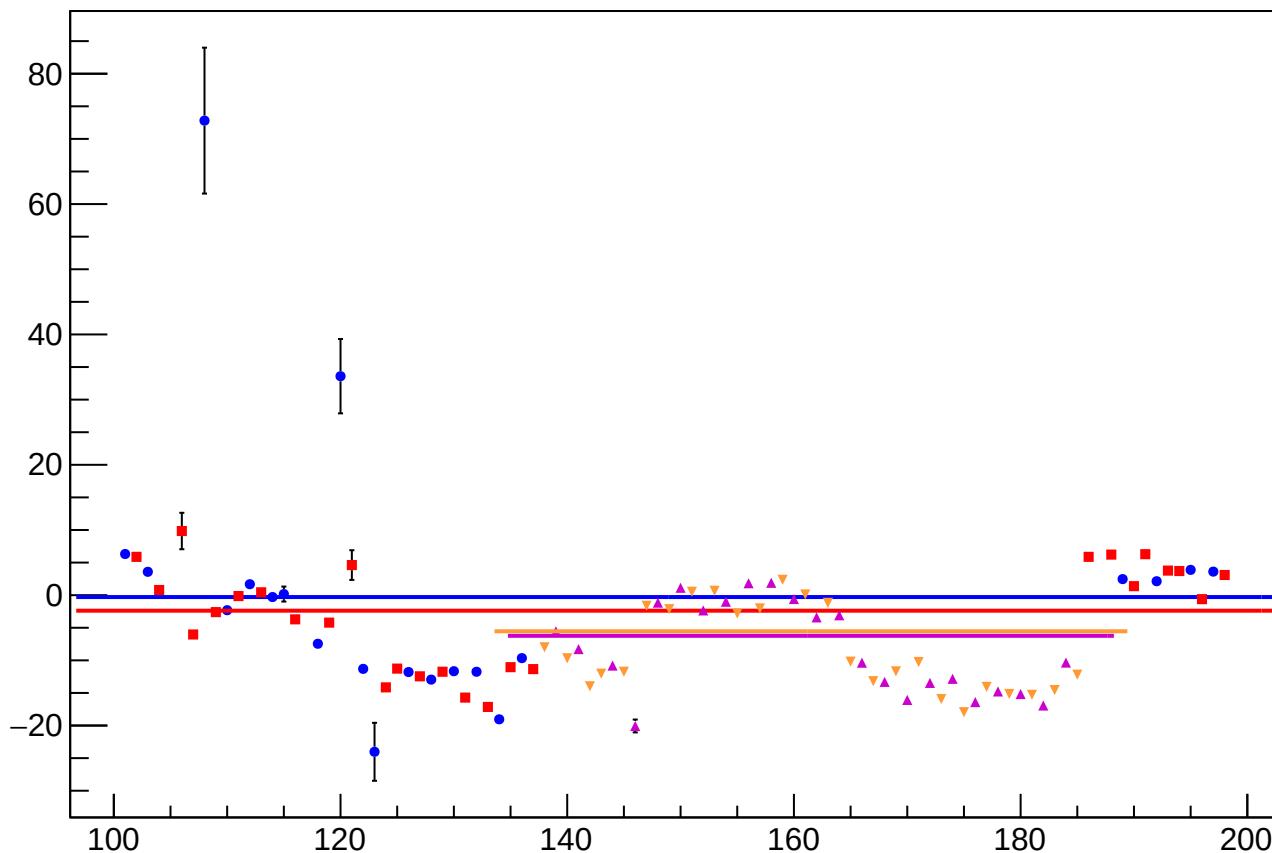
dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 3.778 ± 0.000 $\chi^2/\text{NDF}: 7139.9/20$
 Left Out: 11.389 ± 0.030 $\chi^2/\text{NDF}: 4296.1/24$
 Right Out: 5.335 ± 0.022 $\chi^2/\text{NDF}: 20206.4/25$
 Left In: 10.753 ± 0.028 $\chi^2/\text{NDF}: 9950.6/22$

Left: 11.045 ± 0.020 $\chi^2/\text{NDF}: 14487.9/47$
 Right: 3.778 ± 0.000 $\chi^2/\text{NDF}: 32514.3/46$
 In: 3.778 ± 0.000 $\chi^2/\text{NDF}: 80424.9/43$
 Out: 7.401 ± 0.018 $\chi^2/\text{NDF}: 51175.0/50$
 All: 3.778 ± 0.000 $\chi^2/\text{NDF}: 174091.5/94$

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 χ^2/NDF : 47110.8/20

Left Out: -5.539 ± 0.030 χ^2/NDF : 43439.8/24

Right Out: -2.380 ± 0.022 χ^2/NDF : 109566.8/25

Left In: -6.234 ± 0.028 χ^2/NDF : 57358.9/22

Left: -5.909 ± 0.021 χ^2/NDF : 101082.7/47

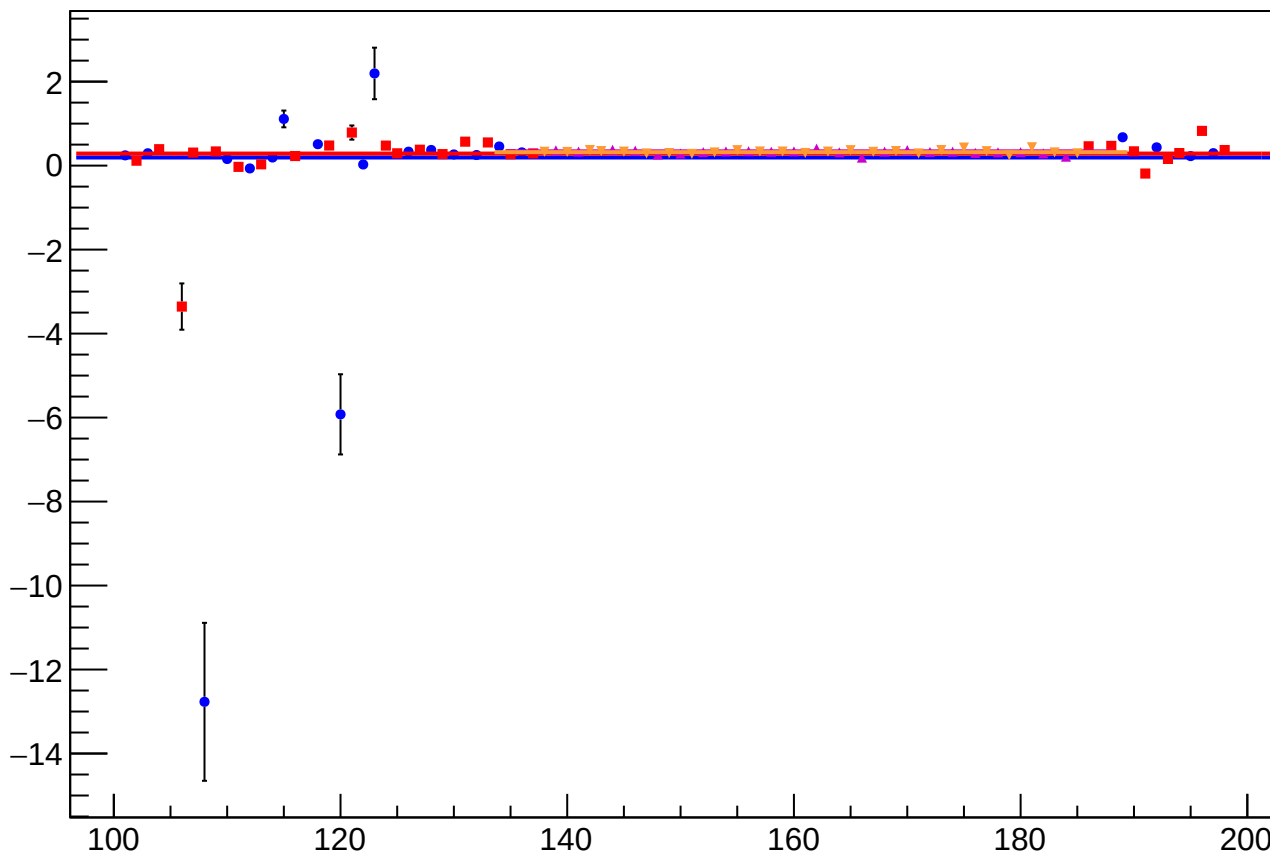
Right: -0.287 ± 0.000 χ^2/NDF : 165773.1/46

In: -0.287 ± 0.000 χ^2/NDF : 148828.6/43

Out: -3.477 ± 0.018 χ^2/NDF : 160193.7/50

All: -0.287 ± 0.000 χ^2/NDF : 341373.1/94

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.000 χ^2/NDF : 10688.5/20

Left Out: 0.320+/-0.001 χ^2/NDF : 3374.4/24

Right Out: 0.287+/-0.001 χ^2/NDF : 7356.8/25

Left In: 0.340+/-0.001 χ^2/NDF : 4171.9/22

Left: 0.330+/-0.000 χ^2/NDF : 8287.4/47

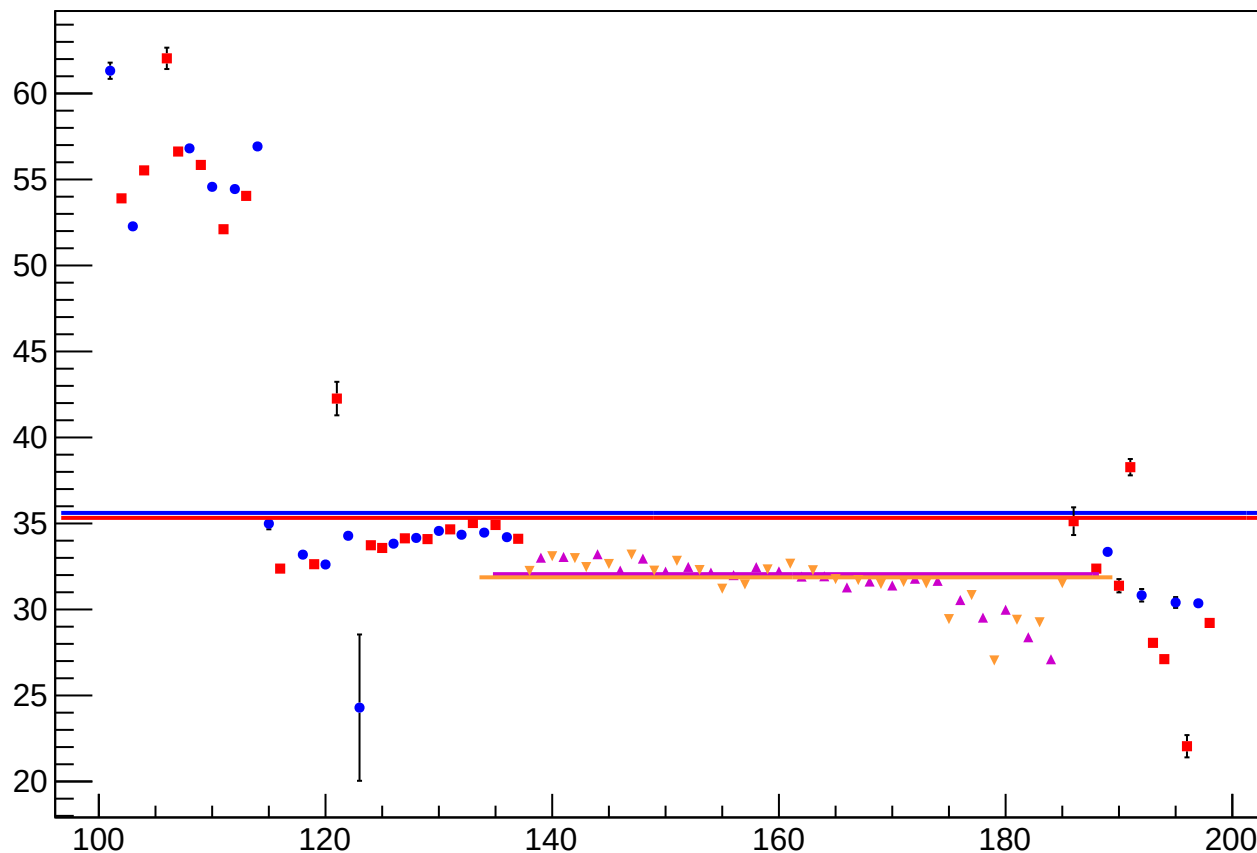
Right: 0.193+/-0.000 χ^2/NDF : 22479.5/46

In: 0.193+/-0.000 χ^2/NDF : 91457.6/43

Out: 0.316+/-0.000 χ^2/NDF : 11211.1/50

All: 0.193+/-0.000 χ^2/NDF : 169839.7/94

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.614 $\pm$ 0.011 χ^2 /NDF: 220453.1/20

Left Out: 31.869 $\pm$ 0.003 χ^2 /NDF: 61955.3/24

Right Out: 35.326 $\pm$ 0.011 χ^2 /NDF: 275480.4/25

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

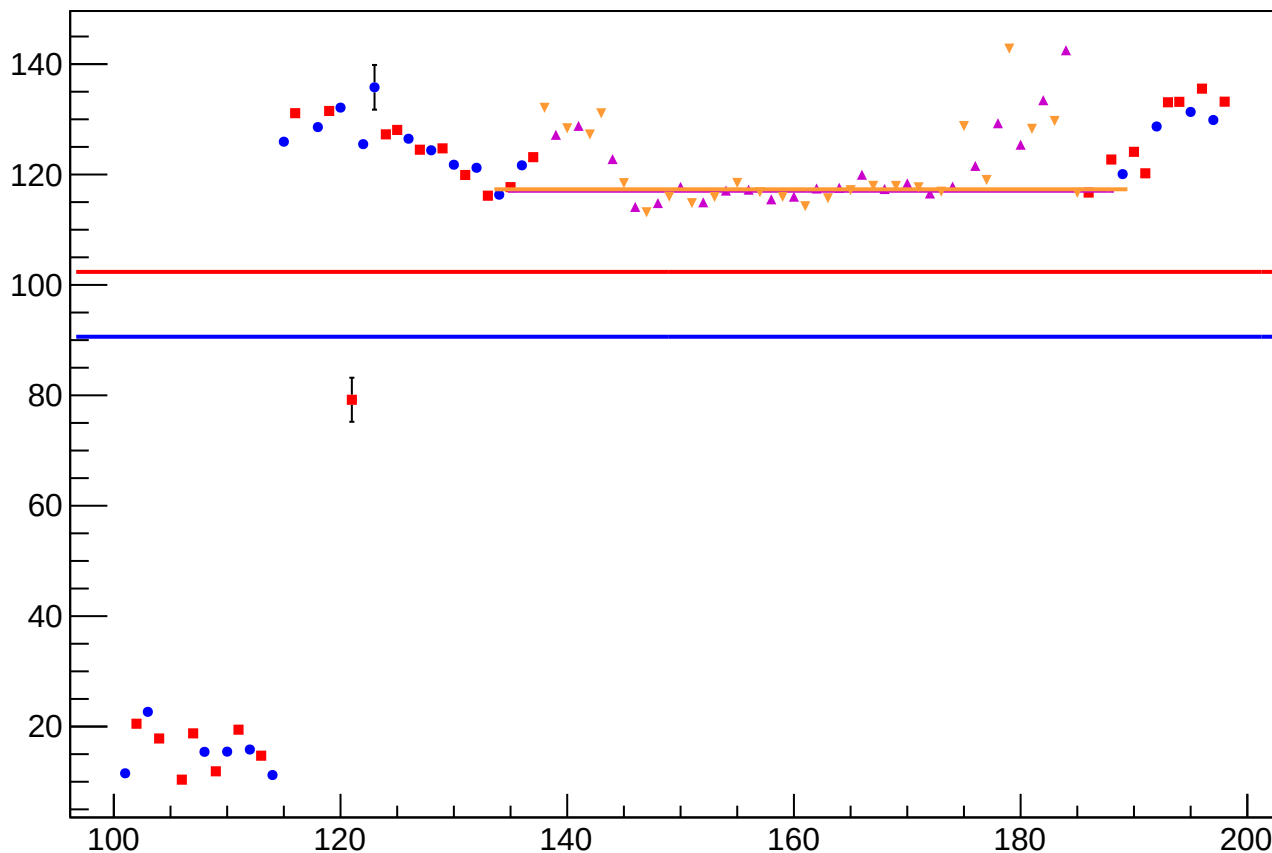
Right: 35.460 $\pm$ 0.008 χ^2 /NDF: 496279.7/46

In: 32.352 $\pm$ 0.003 χ^2 /NDF: 343940.2/43

Out: 32.144 $\pm$ 0.003 χ^2 /NDF: 435524.1/50

All: 32.239 $\pm$ 0.002 χ^2 /NDF: 781653.6/94

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 90.615+/-0.030 χ^2/NDF : 2571315.2/20

Left Out: 117.323+/-0.008 χ^2/NDF : 172684.3/24

Right Out: 102.362+/-0.026 χ^2/NDF : 3315131.1/25

Left In: 117.061+/-0.009 χ^2/NDF : 62905.3/22

Left: 117.207+/-0.006 χ^2/NDF : 236083.4/47

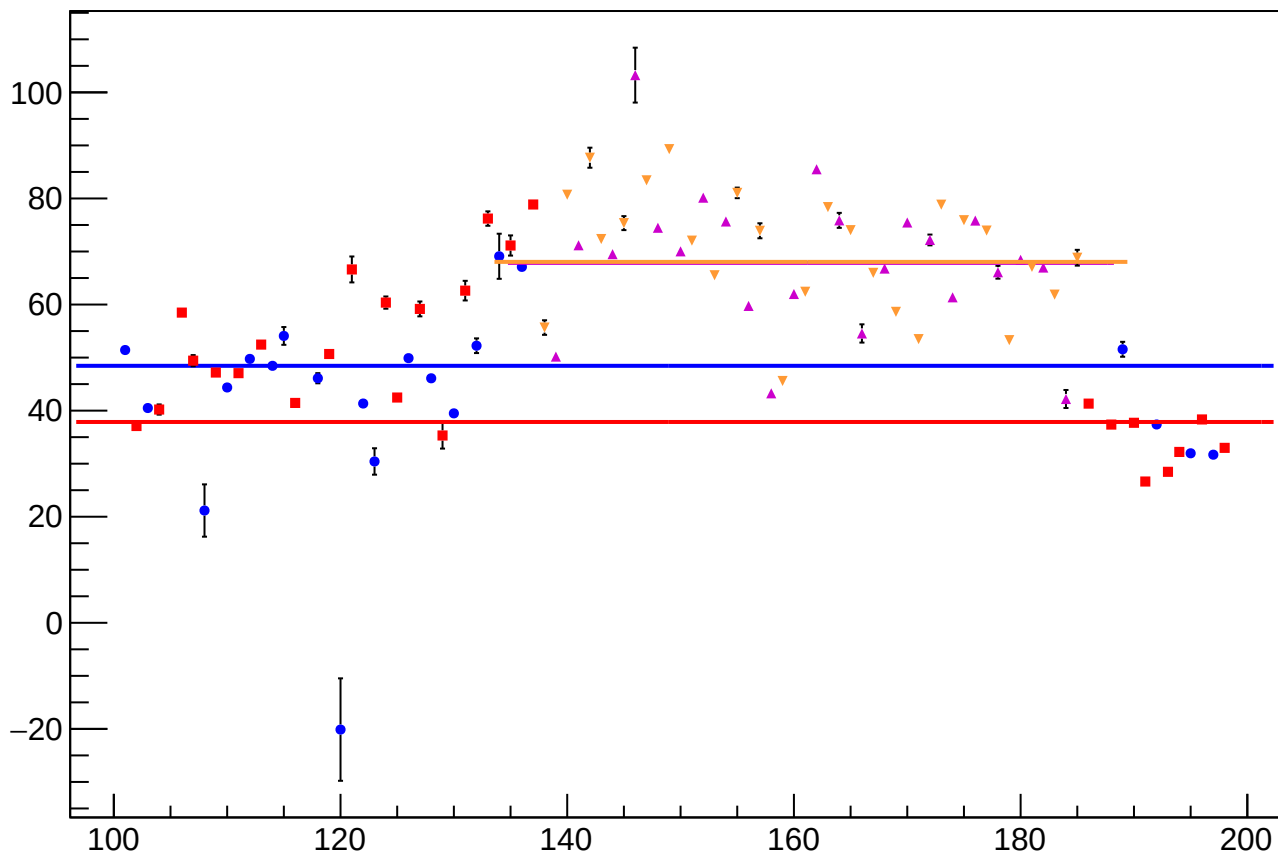
Right: 97.433+/-0.020 χ^2/NDF : 5973625.7/46

In: 115.000+/-0.008 χ^2/NDF : 3336248.4/43

Out: 116.055+/-0.008 χ^2/NDF : 3796247.7/50

All: 115.590+/-0.006 χ^2/NDF : 7141186.5/94

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450 $\pm$ 0.000 χ^2 /NDF: 9564.4/20

Left Out: 68.044 $\pm$ 0.132 χ^2 /NDF:6670.6/24

Right Out: 37.862 $\pm$ 0.085 χ^2 /NDF: 13951.9/25

Left In: 67.852 $\pm$ 0.126 χ^2 /NDF:5519.9/22

Left: 67.943 $\pm$ 0.091 χ^2 /NDF: 12191.7/47

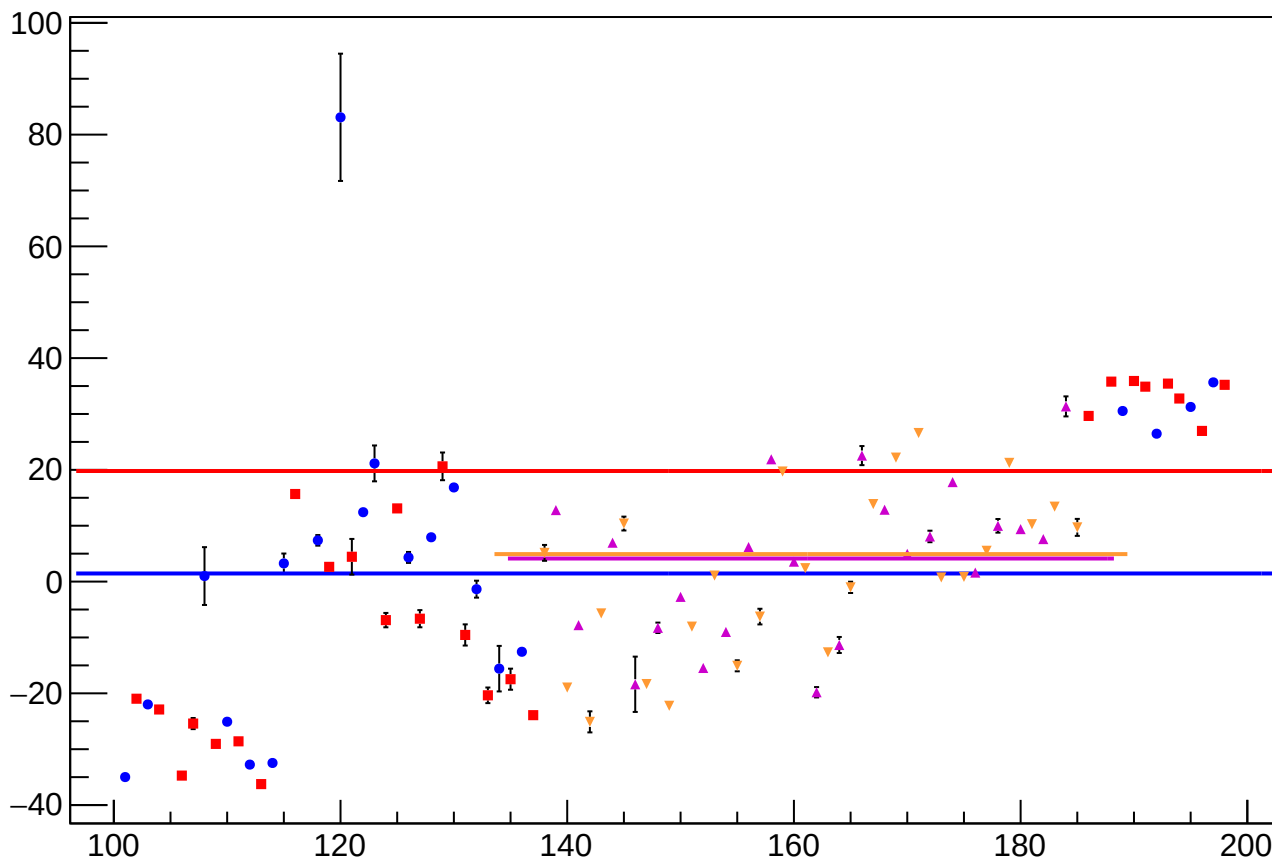
Right: 48.450 $\pm$ 0.000 χ^2 /NDF: 38946.4/46

In: 48.450 $\pm$ 0.000 χ^2 /NDF:38939.9/43

Out: 46.720 $\pm$ 0.072 χ^2 /NDF:57420.6/50

All: 48.450 $\pm$ 0.000 χ^2 /NDF: 96943.7/94

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: 1.452 ± 0.115 $\chi^2/\text{NDF}: 58480.7/20$

Left Out: 4.920 ± 0.132 $\chi^2/\text{NDF}: 10378.5/24$

Right Out: 19.795 ± 0.076 $\chi^2/\text{NDF}: 103119.0/25$

Left In: 4.129 ± 0.127 $\chi^2/\text{NDF}: 6161.4/22$

Left: 4.508 ± 0.092 $\chi^2/\text{NDF}: 16558.6/47$

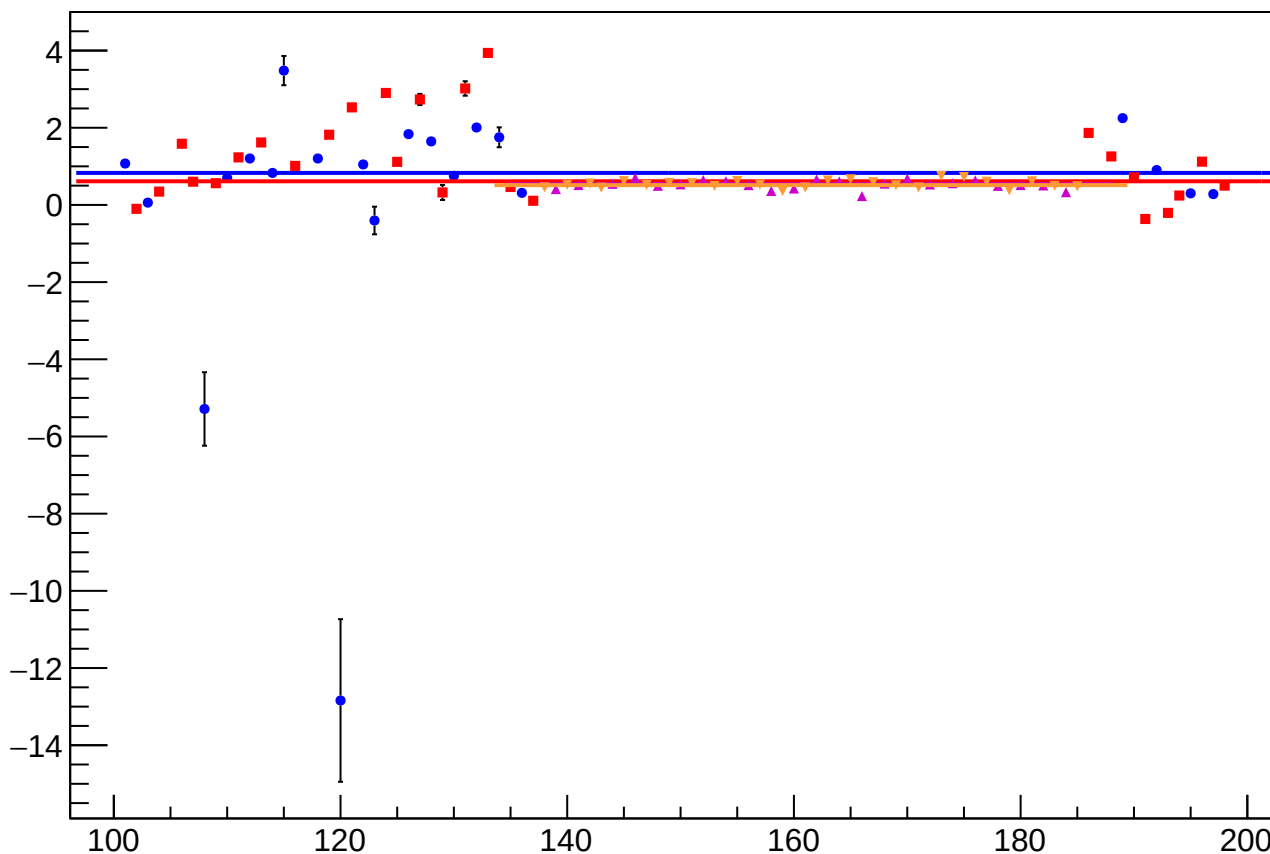
Right: 14.247 ± 0.063 $\chi^2/\text{NDF}: 179355.0/46$

In: 2.658 ± 0.085 $\chi^2/\text{NDF}: 64886.5/43$

Out: 16.122 ± 0.066 $\chi^2/\text{NDF}: 123030.1/50$

All: 11.102 ± 0.052 $\chi^2/\text{NDF}: 203573.9/94$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 ± 0.000 χ^2/NDF : 15851.7/20

Left Out: 0.513 ± 0.001 χ^2/NDF : 15206.1/24

Right Out: 0.613 ± 0.006 χ^2/NDF : 9163.9/25

Left In: 0.536 ± 0.001 χ^2/NDF : 11764.8/22

Left: 0.526 ± 0.001 χ^2/NDF : 27282.9/47

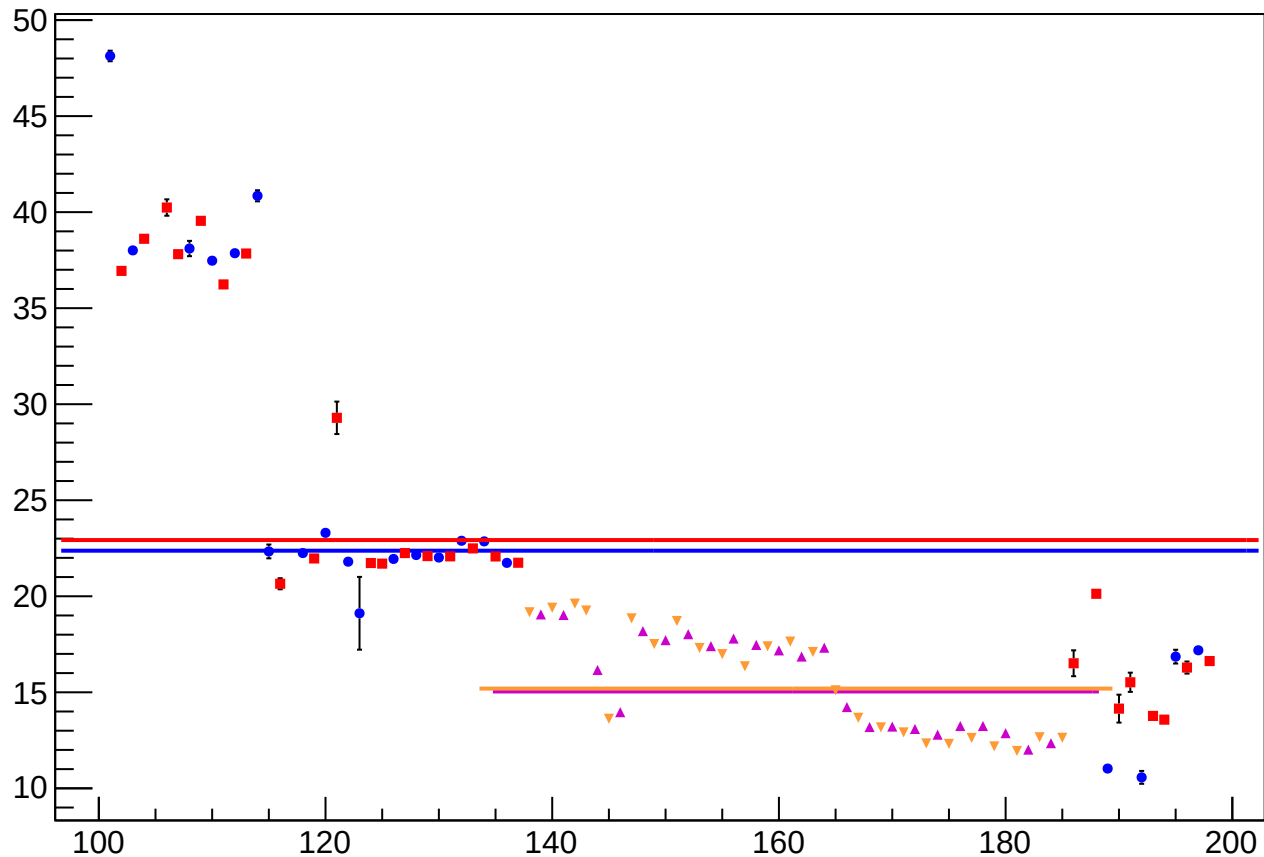
Right: 0.830 ± 0.000 χ^2/NDF : 26480.4/46

In: 0.830 ± 0.000 χ^2/NDF : 142856.1/43

Out: 0.516 ± 0.001 χ^2/NDF : 24666.4/50

All: 0.830 ± 0.000 χ^2/NDF : 276896.7/94

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.373+/-0.009 χ^2 /NDF: 127382.7/20

Left Out: 15.194+/-0.004 χ^2 /NDF:417095.1/24

Right Out: 22.926+/-0.009 χ^2 /NDF: 171421.7/25

Left In: 15.044+/-0.005 χ^2 /NDF:285851.6/22

Left: 15.125+/-0.003 χ^2 /NDF: 703514.0/47

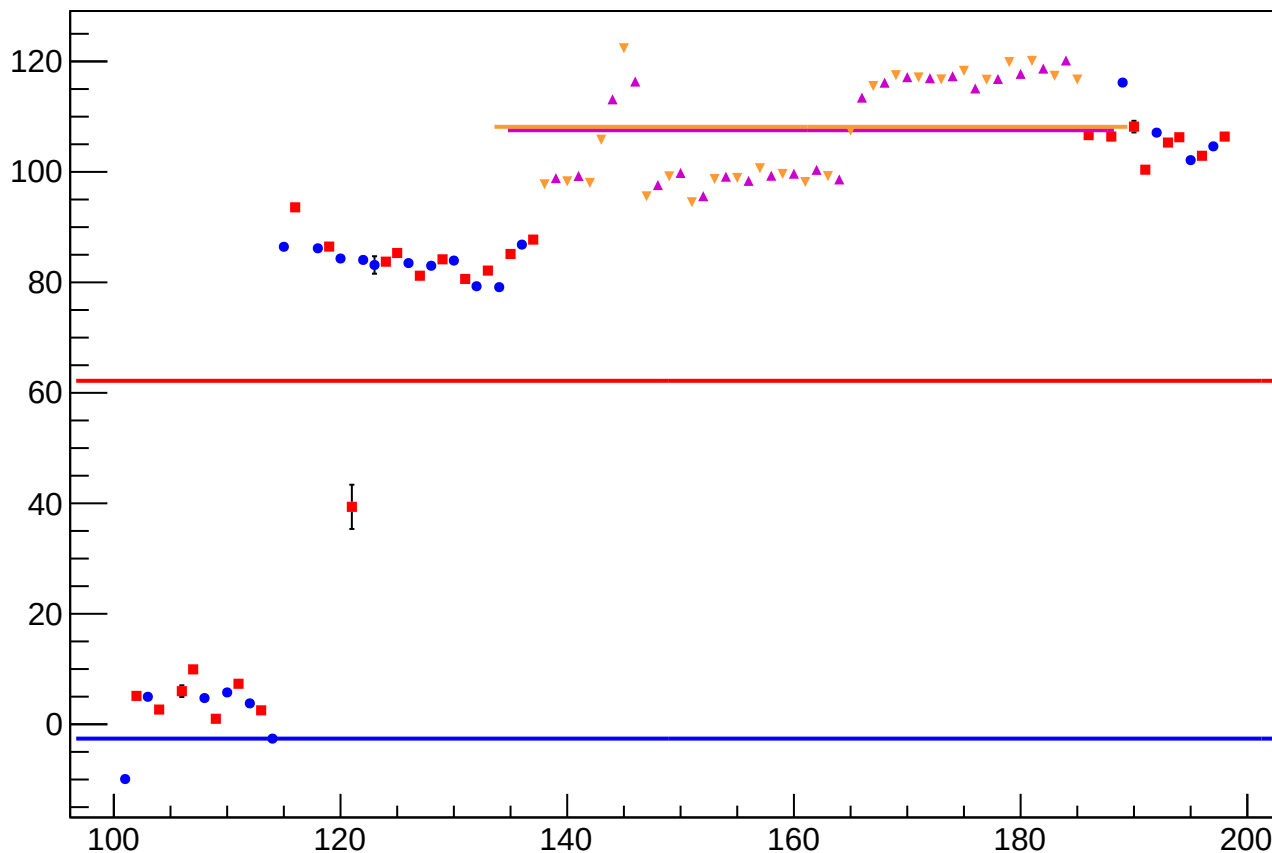
Right: 22.657+/-0.006 χ^2 /NDF: 300645.0/46

In: 16.510+/-0.004 χ^2 /NDF:916845.1/43

Out: 16.614+/-0.004 χ^2 /NDF:1191199.3/50

All: 16.566+/-0.003 χ^2 /NDF: 2108378.5/94

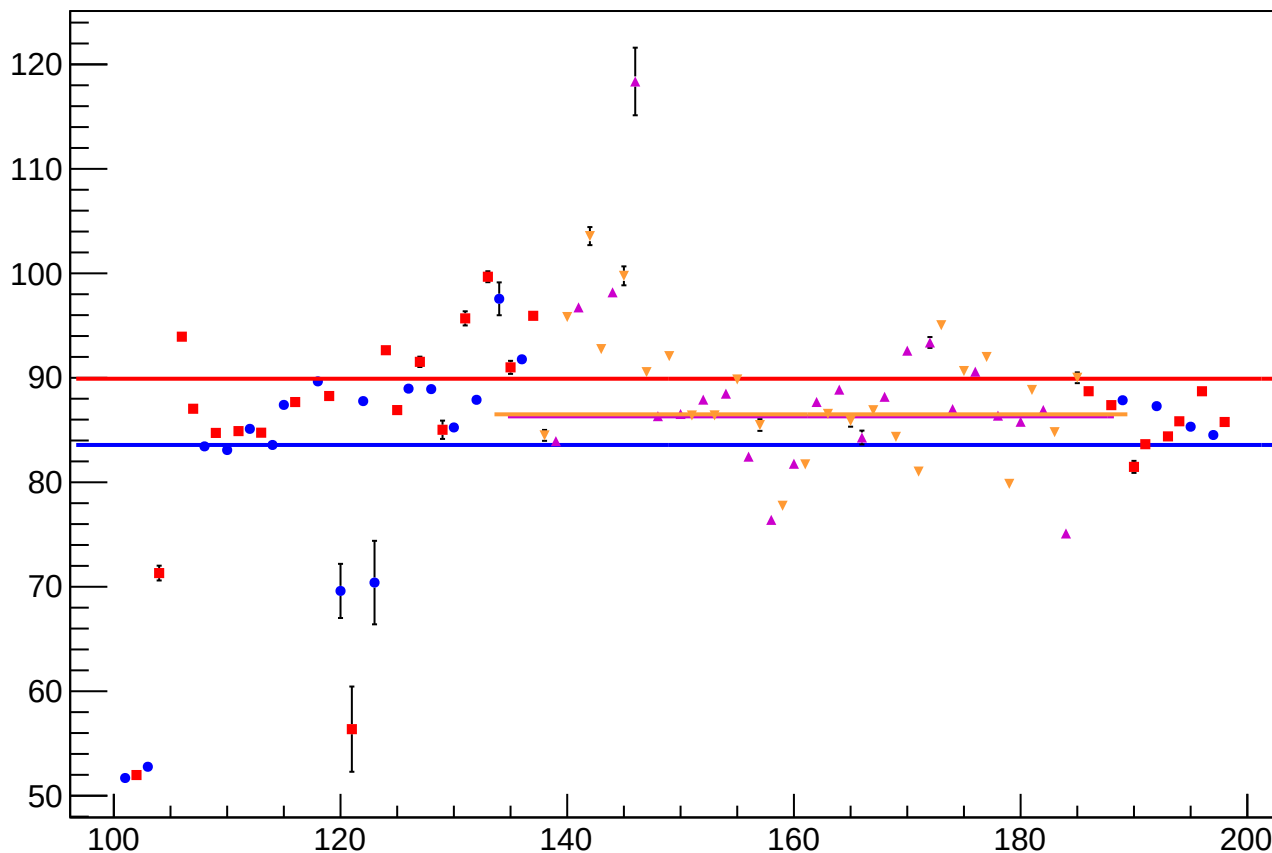
dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596 ± 0.000 $\chi^2/\text{NDF}: 8192546.2/20$
 Left Out: 108.162 ± 0.009 $\chi^2/\text{NDF}: 1076822.4/24$
 Right Out: 62.181 ± 0.030 $\chi^2/\text{NDF}: 1688248.6/25$
 Left In: 107.543 ± 0.009 $\chi^2/\text{NDF}: 988940.0/22$

Left: 107.853 ± 0.007 $\chi^2/\text{NDF}: 2067974.4/47$
 Right: -2.596 ± 0.000 $\chi^2/\text{NDF}: 14391905.4/46$
 In: -2.596 ± 0.000 $\chi^2/\text{NDF}: 148748542.3/43$
 Out: 104.248 ± 0.009 $\chi^2/\text{NDF}: 4844531.2/50$
 All: -2.596 ± 0.000 $\chi^2/\text{NDF}: 297735883.8/94$

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573+/-0.000 χ^2/NDF : 50575.0/20

Left Out: 86.505+/-0.060 χ^2/NDF :8553.0/24

Right Out: 89.913+/-0.021 χ^2/NDF : 77518.5/25

Left In: 86.310+/-0.051 χ^2/NDF :8666.5/22

Left: 86.393+/-0.039 χ^2/NDF : 17225.5/47

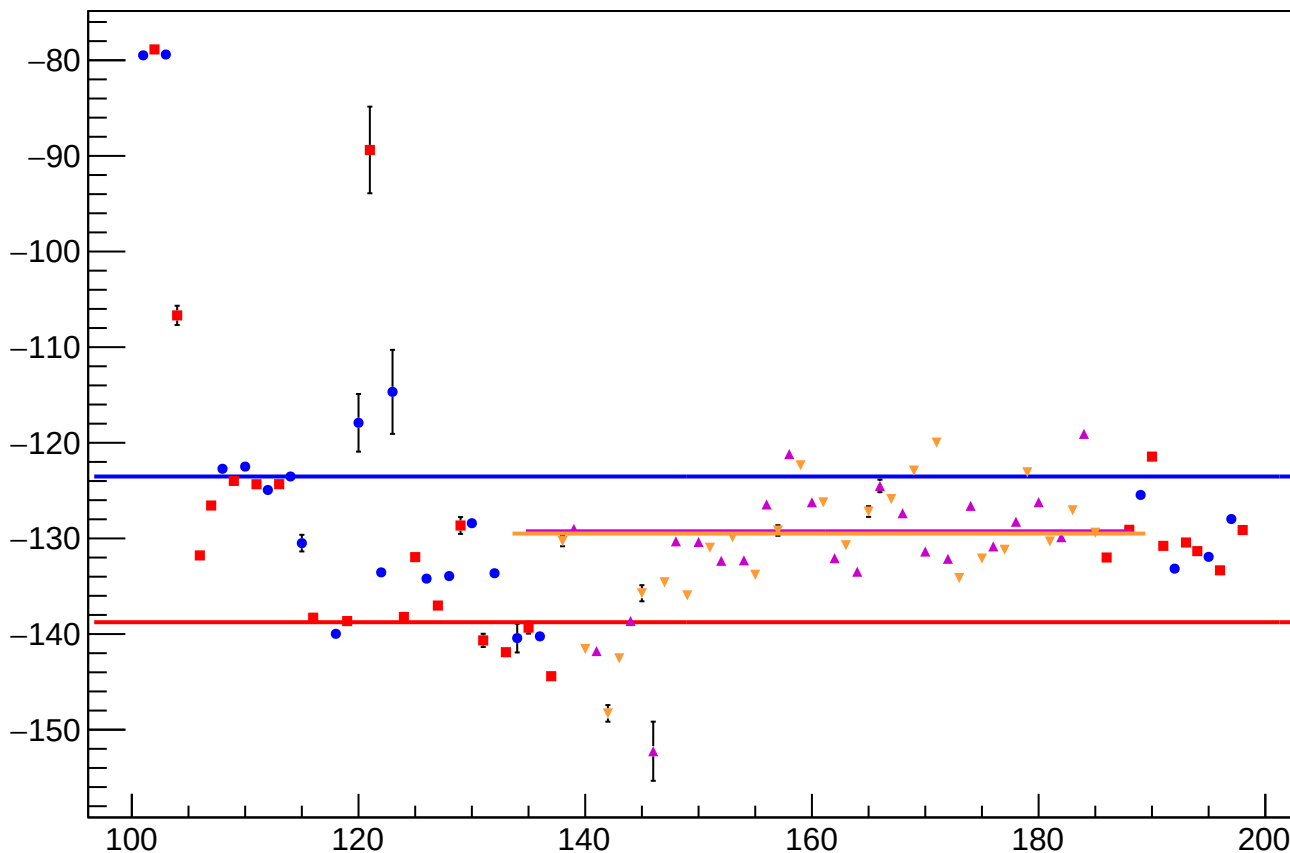
Right: 83.573+/-0.000 χ^2/NDF : 223242.8/46

In: 83.573+/-0.000 χ^2/NDF :62073.6/43

Out: 89.554+/-0.019 χ^2/NDF :88965.3/50

All: 83.573+/-0.000 χ^2/NDF : 245688.6/94

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524+/-0.000 χ^2/NDF : 176566.6/20

Left Out: -129.492+/-0.059 χ^2/NDF :10775.3/24

Right Out: -138.760+/-0.016 χ^2/NDF : 297008.2/25

Left In: -129.256+/-0.052 χ^2/NDF :6558.2/22

Left: -129.358+/-0.039 χ^2/NDF : 17342.6/47

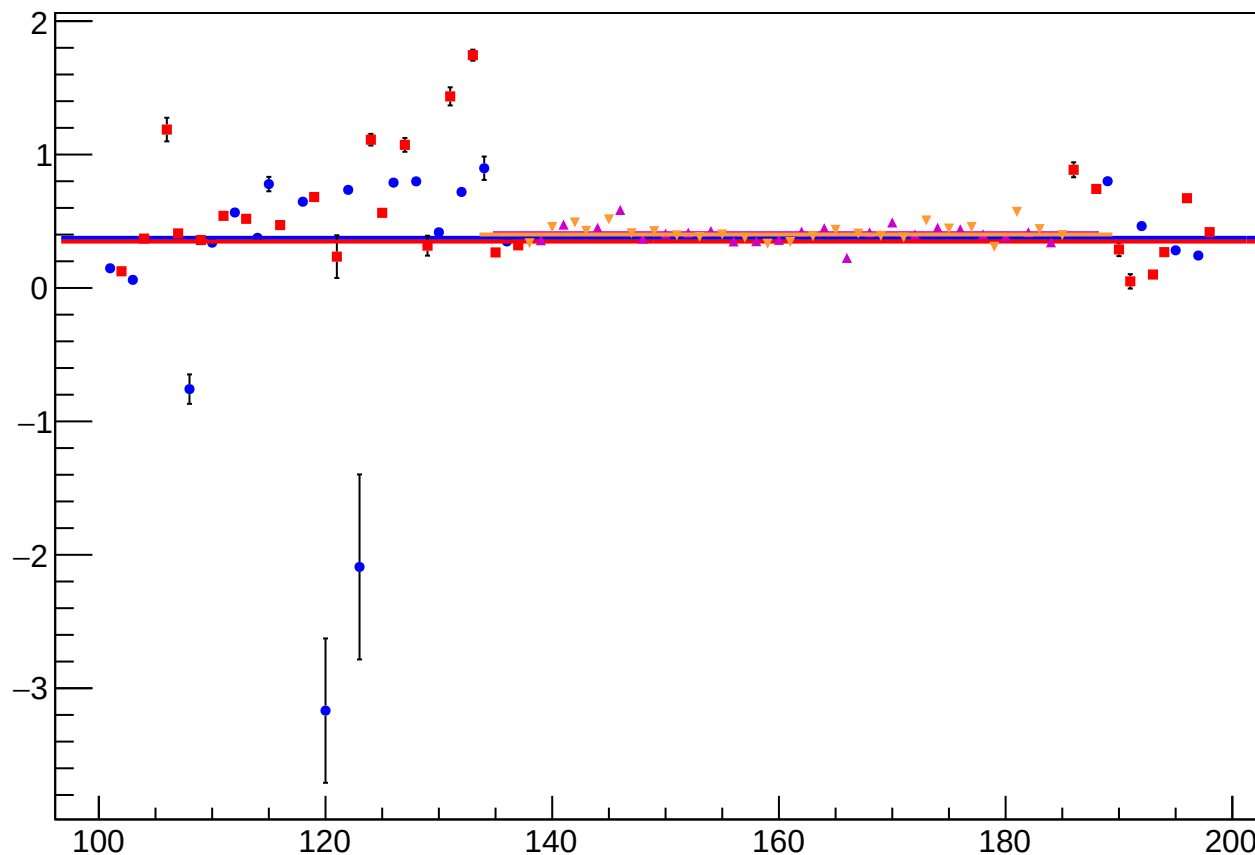
Right: -123.524+/-0.000 χ^2/NDF : 1329600.4/46

In: -123.524+/-0.000 χ^2/NDF :195487.7/43

Out: -138.094+/-0.016 χ^2/NDF :330525.1/50

All: -123.524+/-0.000 χ^2/NDF : 1369456.5/94

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 4316.4/20

Left Out: 0.401 $\pm$ 0.000 χ^2 /NDF:9030.9/24

Right Out: 0.348 $\pm$ 0.001 χ^2 /NDF: 6341.0/25

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

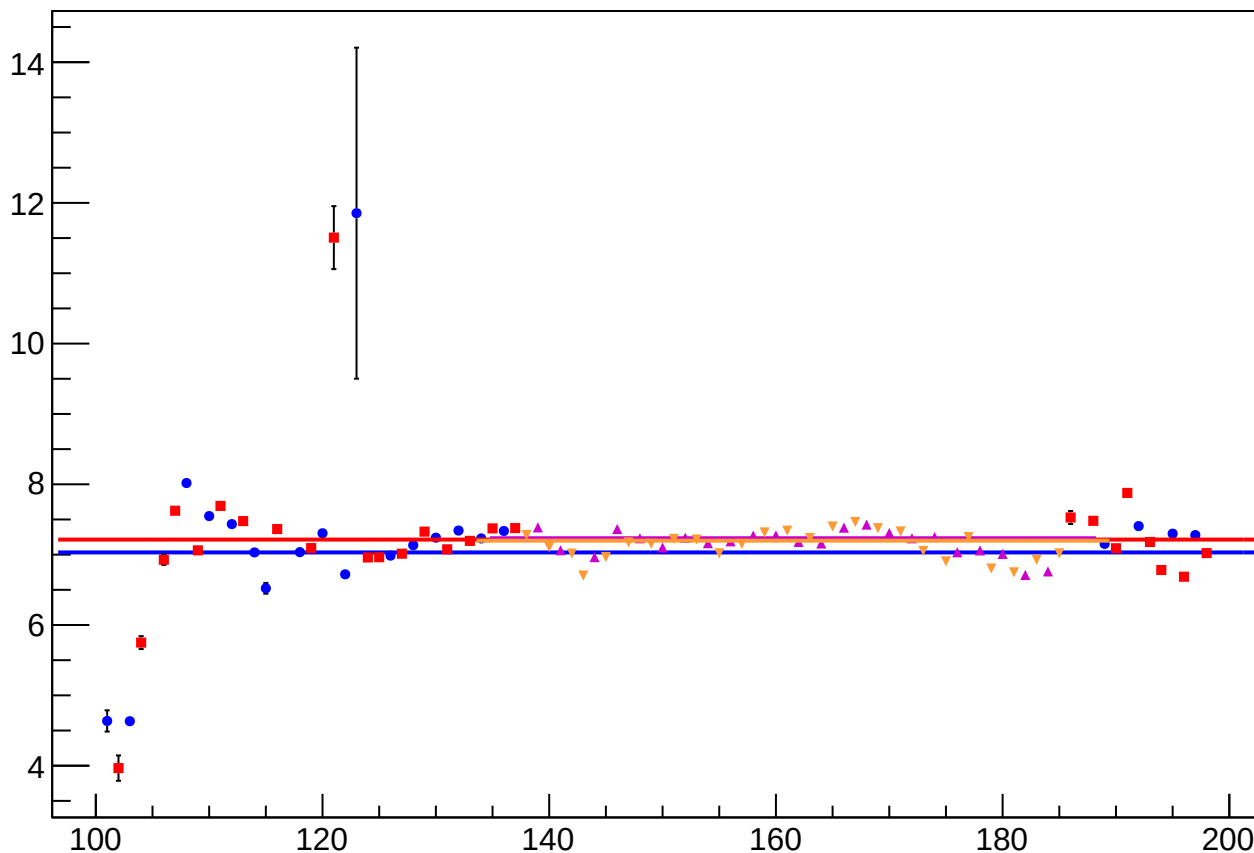
Right: 0.376 $\pm$ 0.000 χ^2 /NDF: 11025.0/46

In: 0.376 $\pm$ 0.000 χ^2 /NDF:18687.5/43

Out: 0.395 $\pm$ 0.000 χ^2 /NDF:16555.0/50

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 36936.4/94

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 ± 0.000 χ^2/NDF : 20637.6/20

Left Out: 7.199 ± 0.001 χ^2/NDF : 37453.7/24

Right Out: 7.214 ± 0.002 χ^2/NDF : 10715.9/25

Left In: 7.233 ± 0.001 χ^2/NDF : 23085.0/22

Left: 7.217 ± 0.001 χ^2/NDF : 61326.3/47

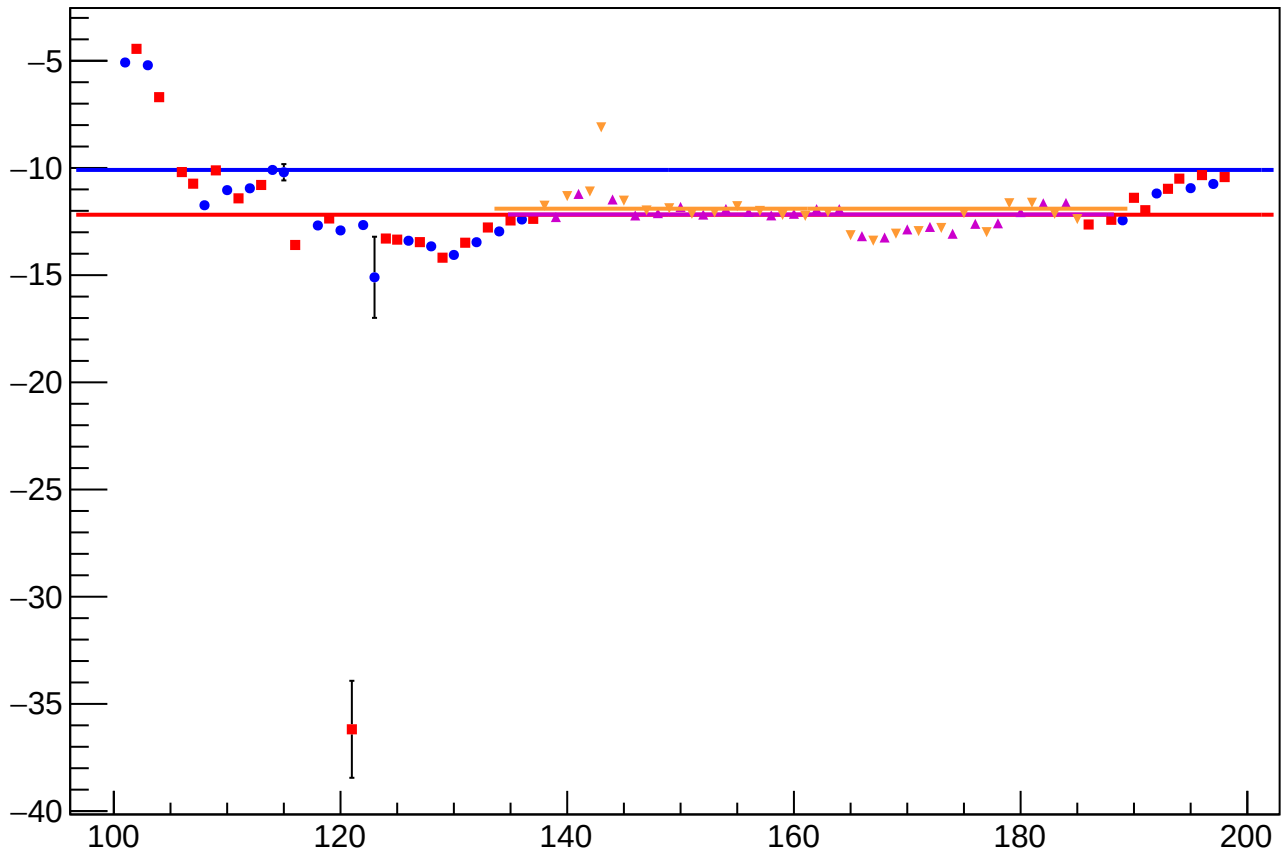
Right: 7.032 ± 0.000 χ^2/NDF : 37792.2/46

In: 7.032 ± 0.000 χ^2/NDF : 102483.8/43

Out: 7.201 ± 0.001 χ^2/NDF : 48210.4/50

All: 7.032 ± 0.000 χ^2/NDF : 191443.2/94

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 $\pm$ 0.000 χ^2 /NDF: 552883.8/20

Left Out: -11.899 $\pm$ 0.002 χ^2 /NDF: 498866.6/24

Right Out: -12.181 $\pm$ 0.003 χ^2 /NDF: 148757.1/25

Left In: -12.169 $\pm$ 0.002 χ^2 /NDF: 49568.3/22

Left: -12.033 $\pm$ 0.001 χ^2 /NDF: 561016.9/47

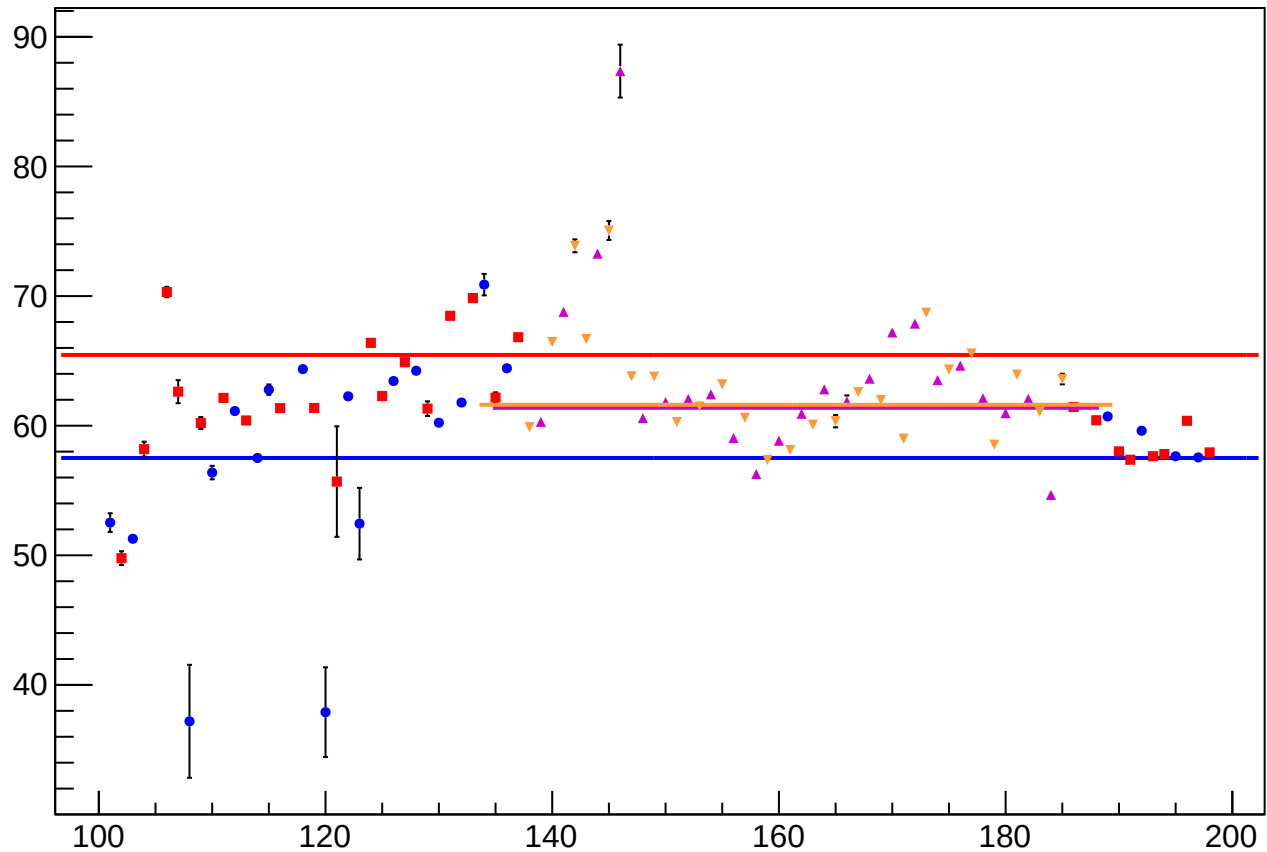
Right: -10.092 $\pm$ 0.000 χ^2 /NDF: 1093865.8/46

In: -10.092 $\pm$ 0.000 χ^2 /NDF: 2085299.5/43

Out: -11.957 $\pm$ 0.002 χ^2 /NDF: 653291.5/50

All: -10.092 $\pm$ 0.000 χ^2 /NDF: 4268245.2/94

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 $\pm$ 0.000 χ^2 /NDF: 9263.1/20

Left Out: 61.615 $\pm$ 0.039 χ^2 /NDF: 7756.9/24

Right Out: 65.458 $\pm$ 0.012 χ^2 /NDF: 65995.4/25

Left In: 61.383 $\pm$ 0.033 χ^2 /NDF: 8900.0/22

Left: 61.479 $\pm$ 0.025 χ^2 /NDF: 16677.8/47

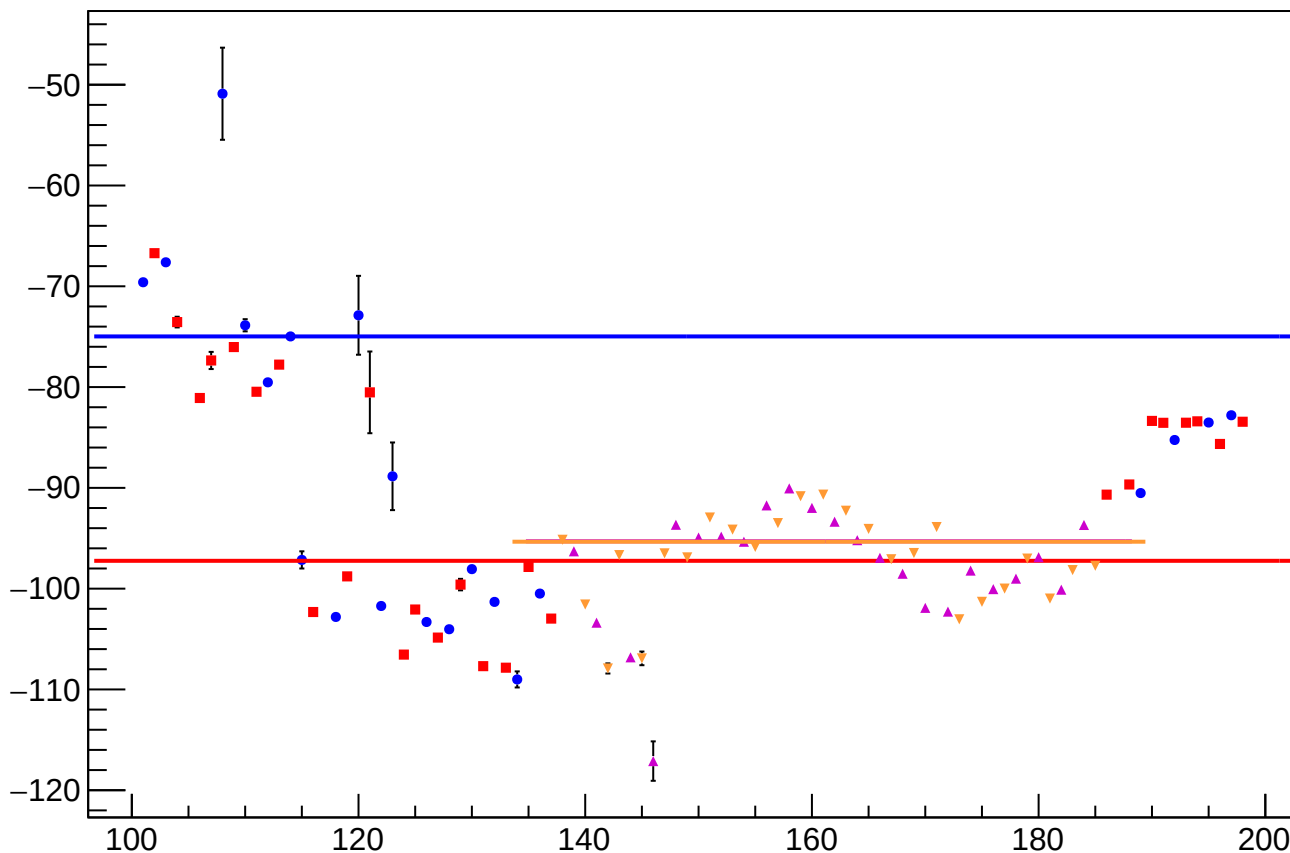
Right: 57.510 $\pm$ 0.000 χ^2 /NDF: 507057.2/46

In: 57.510 $\pm$ 0.000 χ^2 /NDF: 32315.7/43

Out: 65.119 $\pm$ 0.012 χ^2 /NDF: 82653.5/50

All: 57.510 $\pm$ 0.000 χ^2 /NDF: 549007.6/94

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 182526.4/20$

Left Out: -95.342 ± 0.039 $\chi^2/\text{NDF}: 9387.4/24$

Right Out: -97.238 ± 0.015 $\chi^2/\text{NDF}: 345653.7/25$

Left In: -95.301 ± 0.033 $\chi^2/\text{NDF}: 11271.5/22$

Left: -95.319 ± 0.025 $\chi^2/\text{NDF}: 20659.5/47$

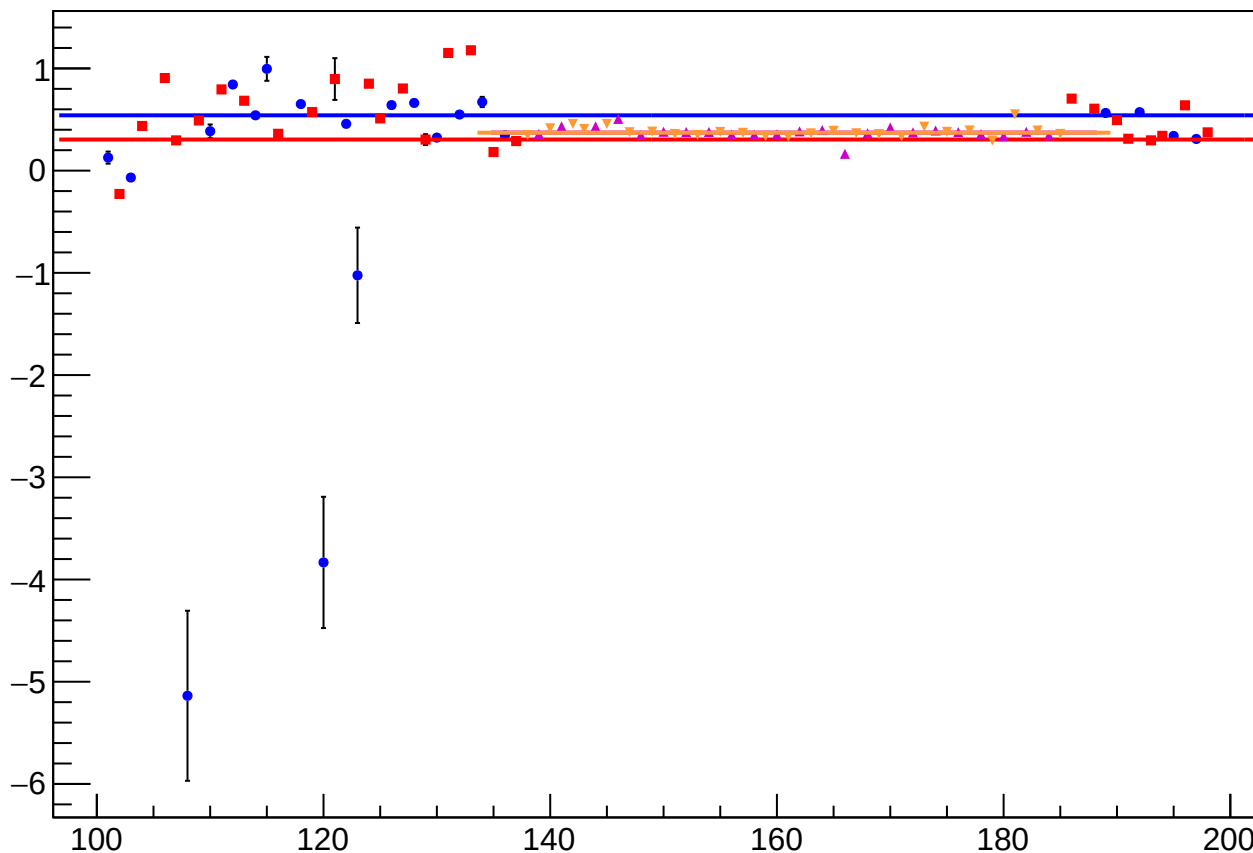
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2735582.4/46$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 568750.0/43$

Out: -96.991 ± 0.014 $\chi^2/\text{NDF}: 357127.3/50$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 3408154.7/94$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541 $\pm$ 0.000 χ^2 /NDF: 30613.5/20

Left Out: 0.371 $\pm$ 0.000 χ^2 /NDF: 6797.7/24

Right Out: 0.304 $\pm$ 0.001 χ^2 /NDF: 11294.5/25

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

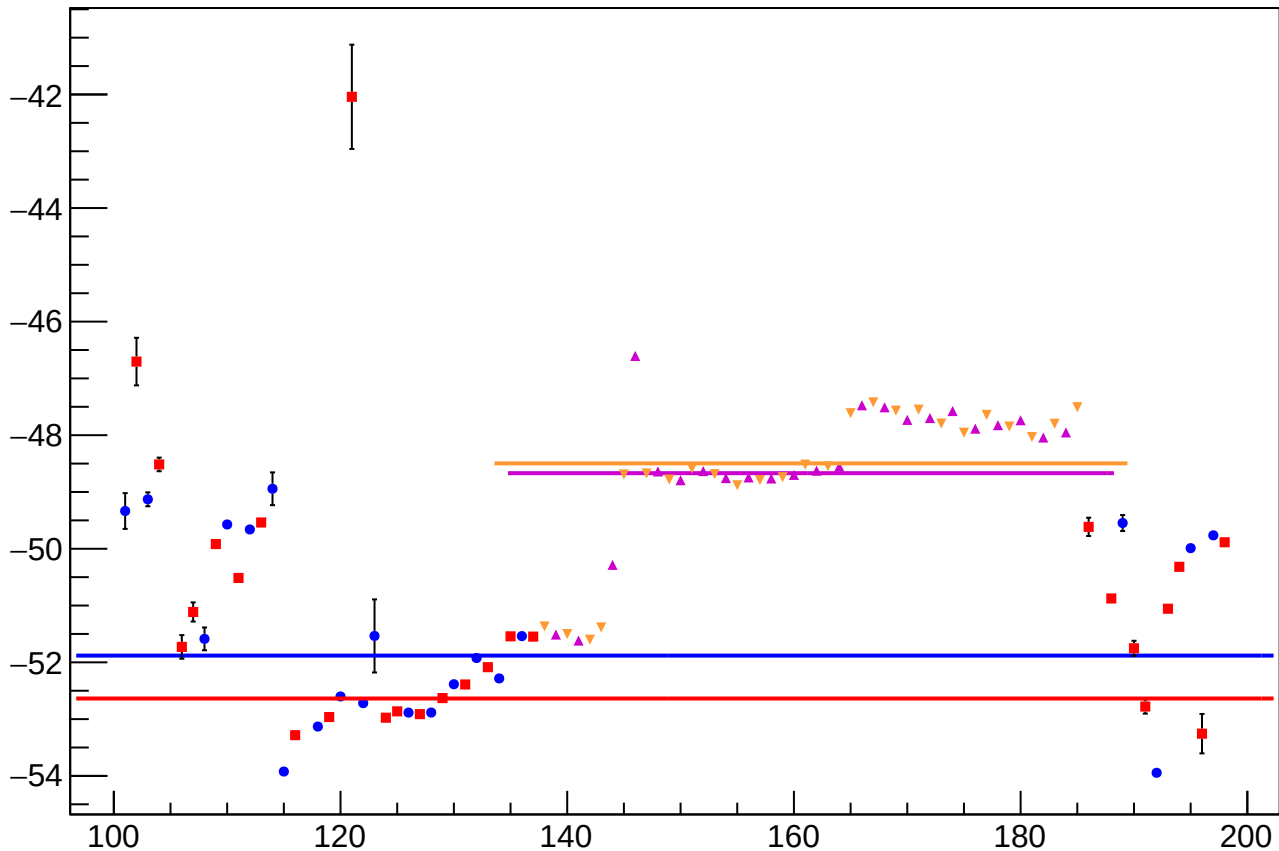
Right: 0.541 $\pm$ 0.000 χ^2 /NDF: 130289.7/46

In: 0.541 $\pm$ 0.000 χ^2 /NDF: 335750.0/43

Out: 0.359 $\pm$ 0.000 χ^2 /NDF: 23879.7/50

All: 0.541 $\pm$ 0.000 χ^2 /NDF: 653537.4/94

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -51.881 ± 0.002 χ^2/NDF : 81511.6/20

Left Out: -48.497 ± 0.001 χ^2/NDF : 699790.4/24

Right Out: -52.637 ± 0.003 χ^2/NDF : 73965.1/25

Left In: -48.669 ± 0.001 χ^2/NDF : 809321.2/22

Left: -48.594 ± 0.001 χ^2/NDF : 1523797.8/47

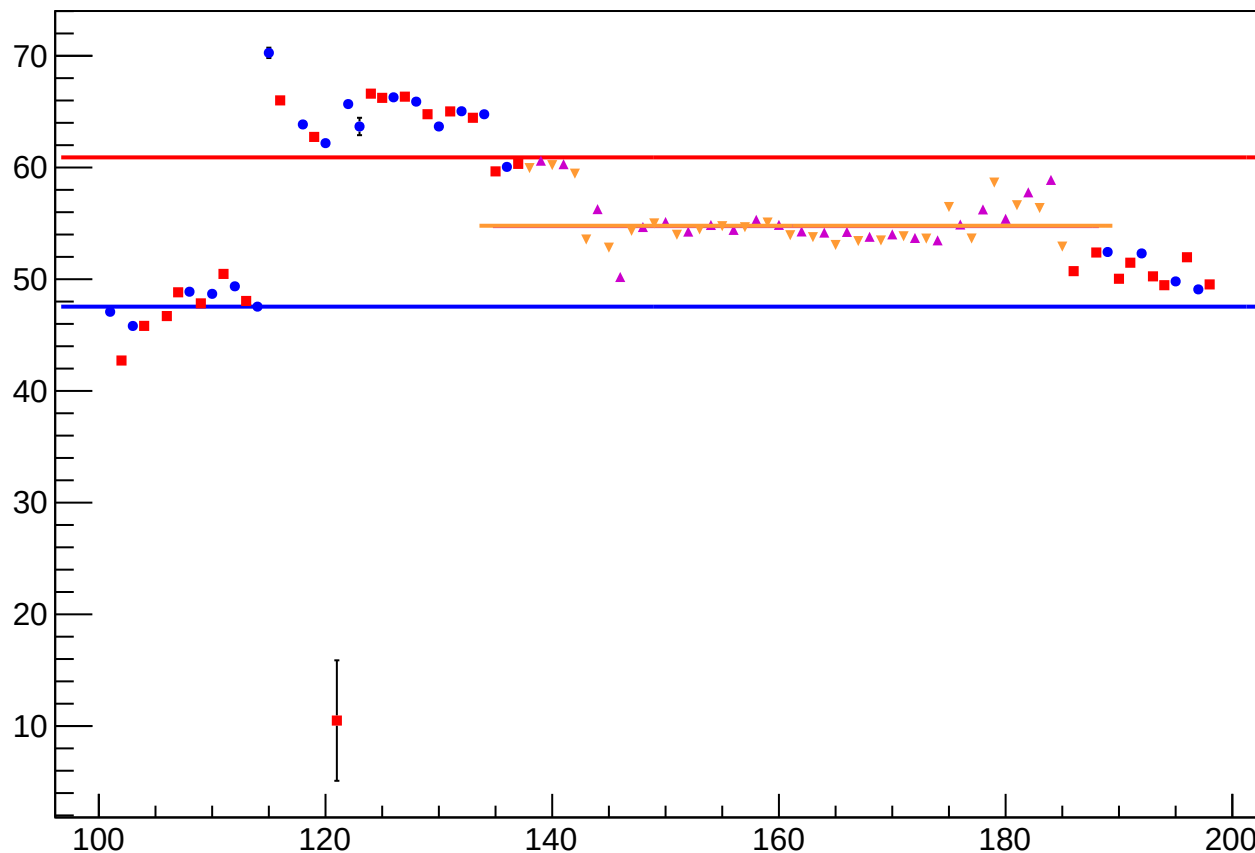
Right: -52.210 ± 0.002 χ^2/NDF : 205733.4/46

In: -49.153 ± 0.001 χ^2/NDF : 2664544.9/43

Out: -49.119 ± 0.001 χ^2/NDF : 3041308.3/50

All: -49.138 ± 0.001 χ^2/NDF : 5706524.1/94

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000 χ^2/NDF : 3609879.2/20

Left Out: 54.787+/-0.003 χ^2/NDF : 301226.3/24

Right Out: 60.907+/-0.007 χ^2/NDF : 853556.5/25

Left In: 54.755+/-0.003 χ^2/NDF : 100763.3/22

Left: 54.769+/-0.002 χ^2/NDF : 402054.6/47

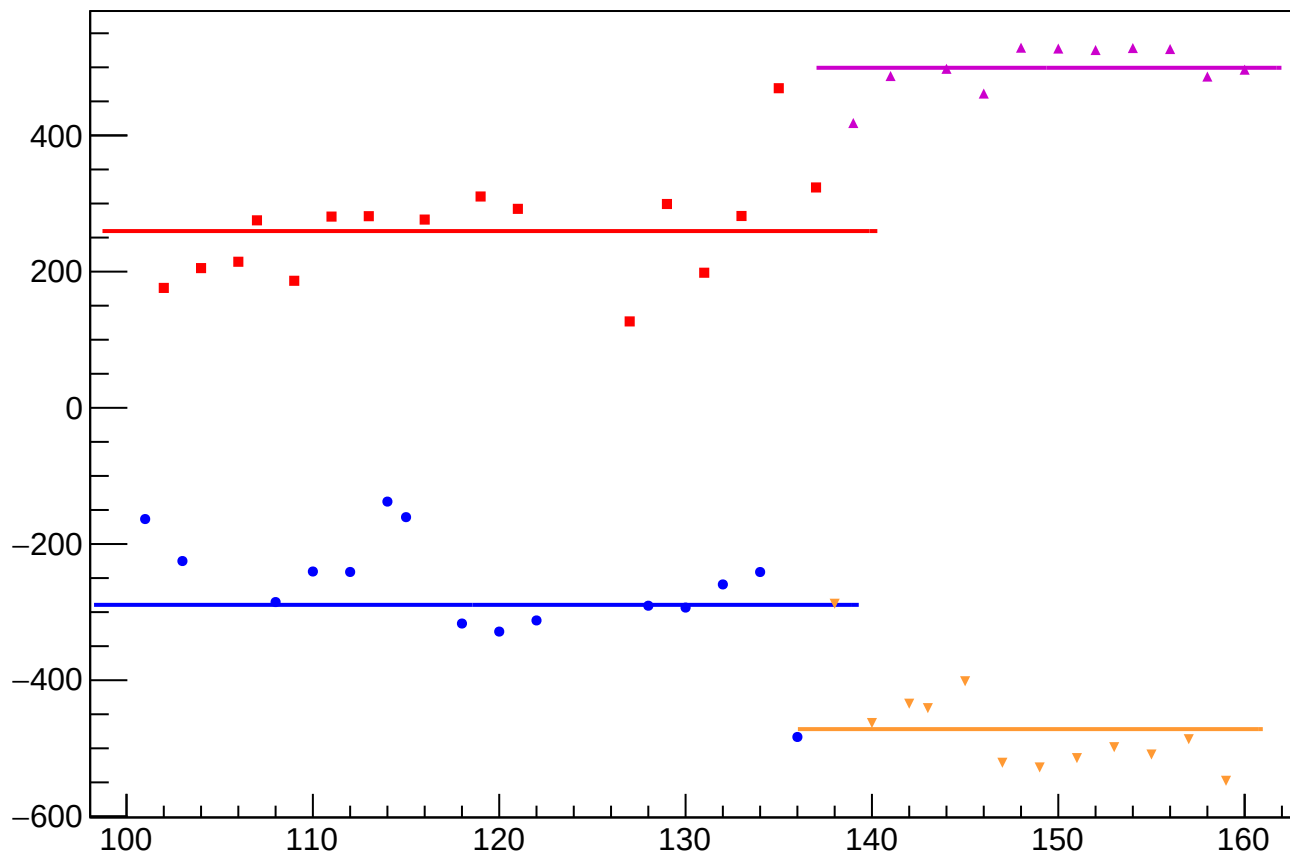
Right: 47.545+/-0.000 χ^2/NDF : 8295626.2/46

In: 47.545+/-0.000 χ^2/NDF : 11365438.7/43

Out: 55.747+/-0.003 χ^2/NDF : 1832528.1/50

All: 47.545+/-0.000 χ^2/NDF : 22400036.5/94

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

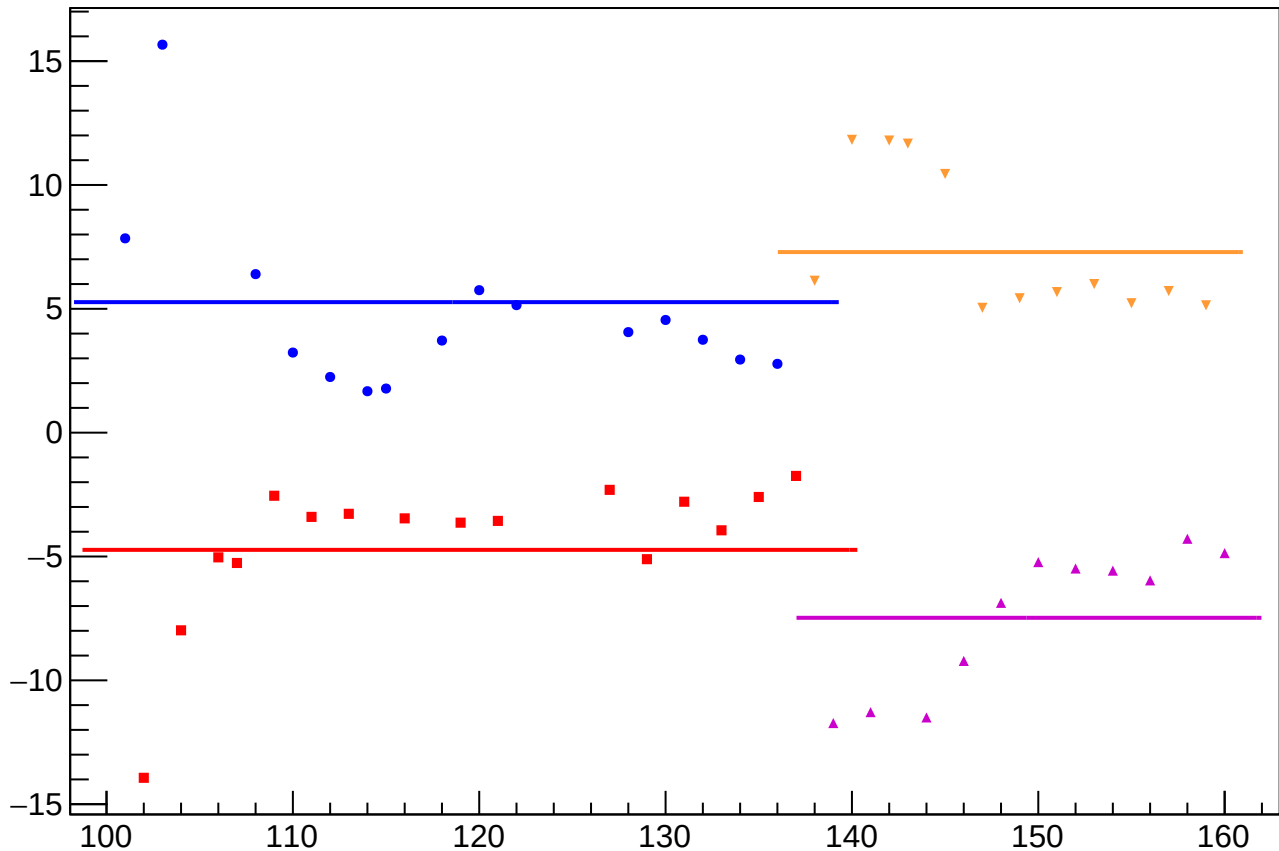
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -163.246+/-0.000 χ^2/NDF : 214955339400548

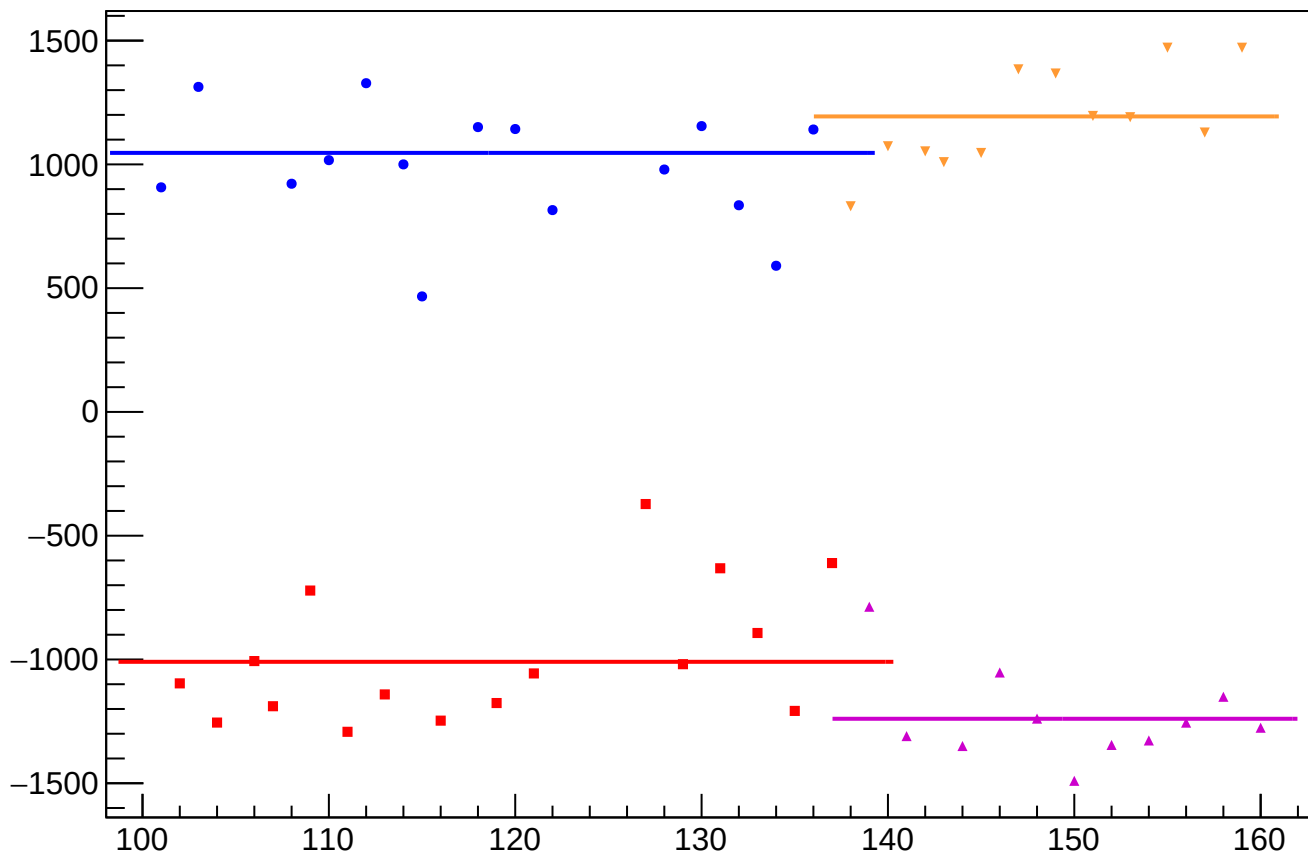
All: 4.918+/-0.000 χ^2/NDF : 54810108058073

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



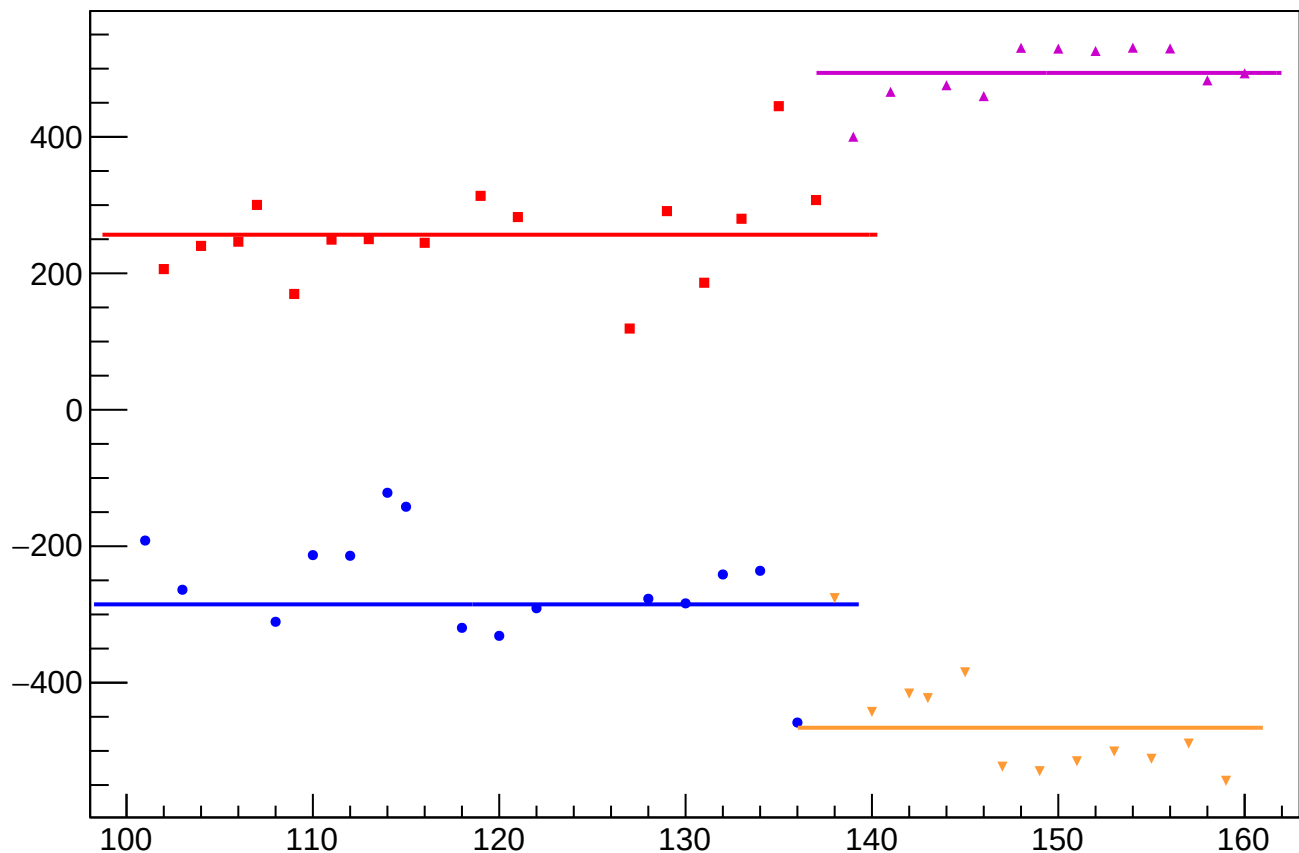
Left: -0.132 +/- 0.000 χ^2/NDF : 11395661588137733
 Right: 0.201 +/- 0.000 χ^2/NDF : 48467955168543439
 In: -2.217 +/- 0.000 χ^2/NDF : 776859230117979508
 Out: 2.219 +/- 0.000 χ^2/NDF : 693111439111449338
 All: 0.007 +/- 0.000 χ^2/NDF : 16250941727402

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

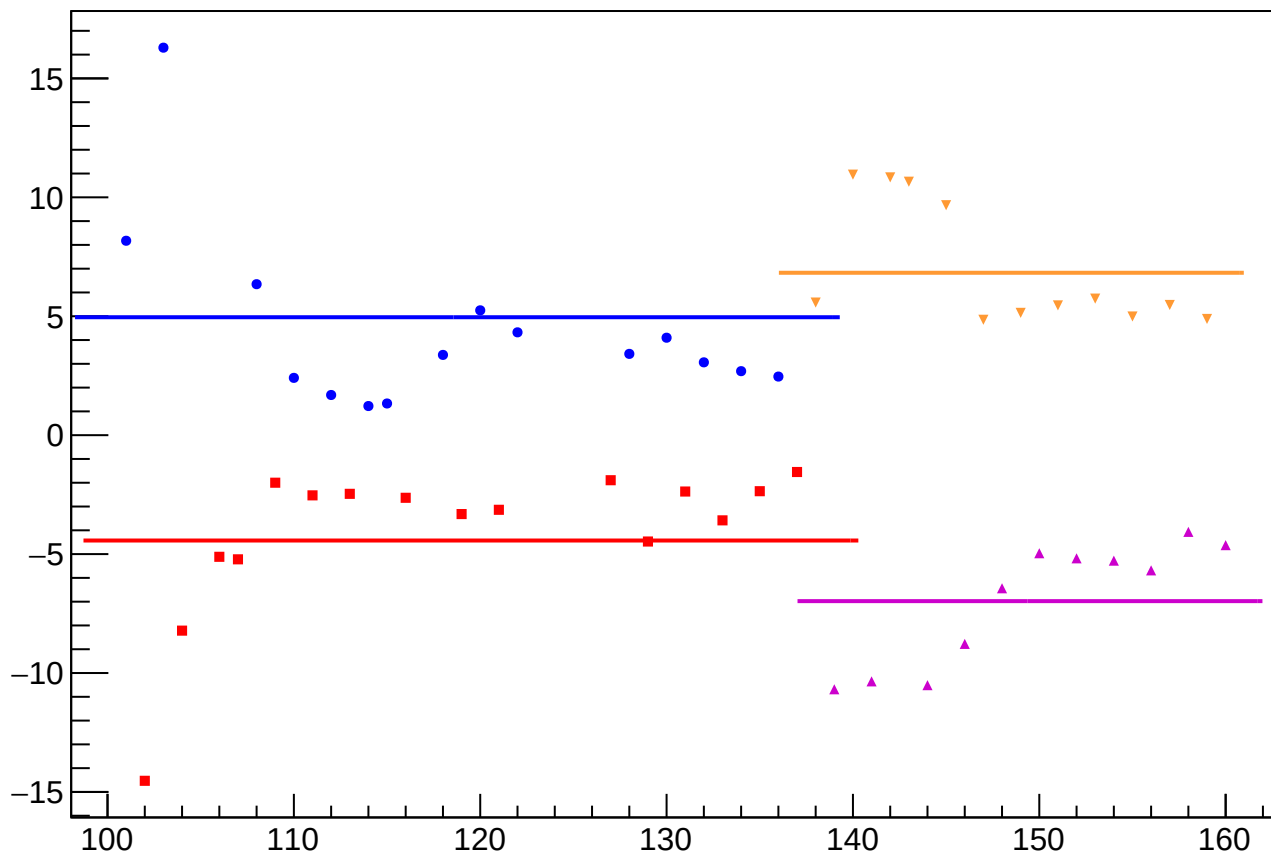
Right: -10.589+/-0.000 χ^2/NDF : 104681795299957

In: 172.388+/-0.000 χ^2/NDF : 23725794461997010

Out: -161.153+/-0.000 χ^2/NDF : 210188051150550

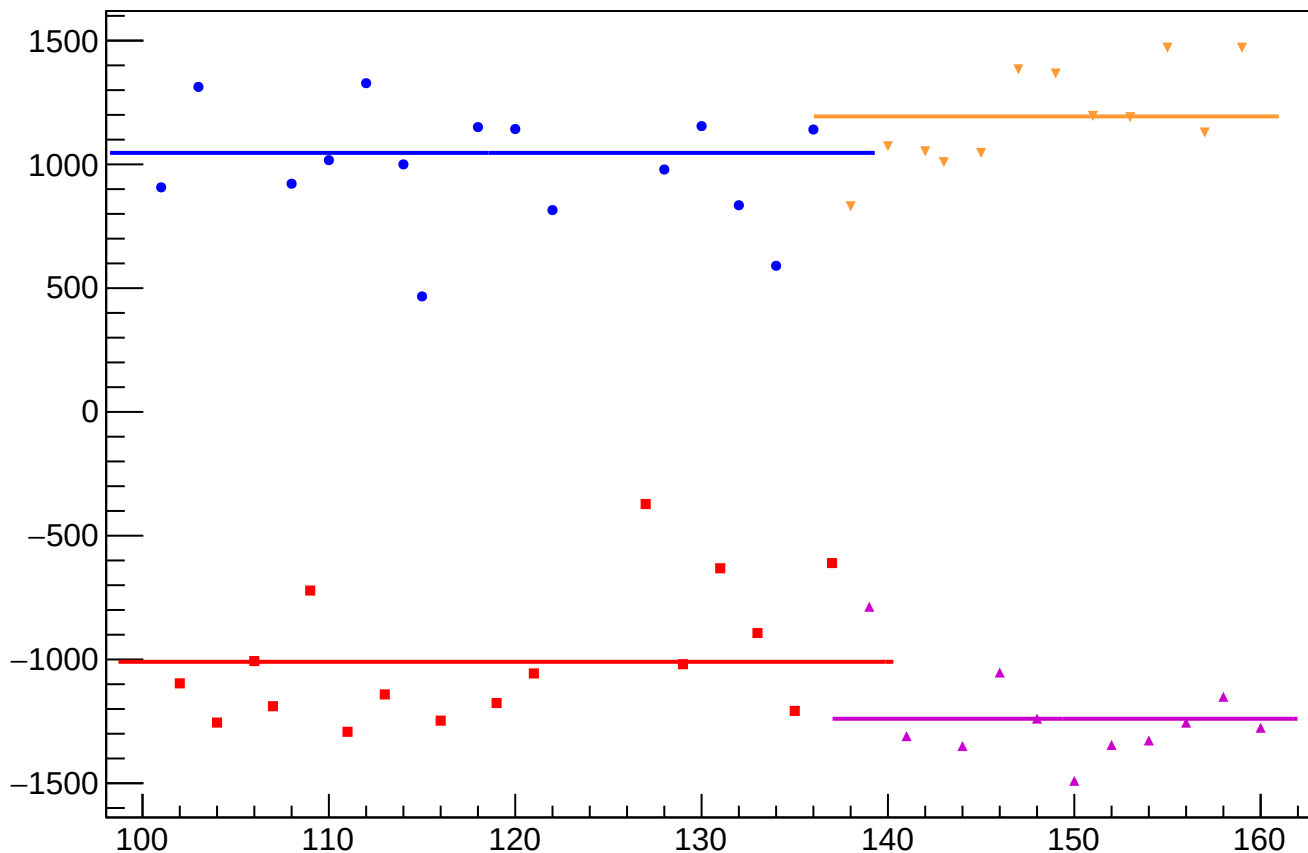
All: 5.194+/-0.000 χ^2/NDF : 53516578605527

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



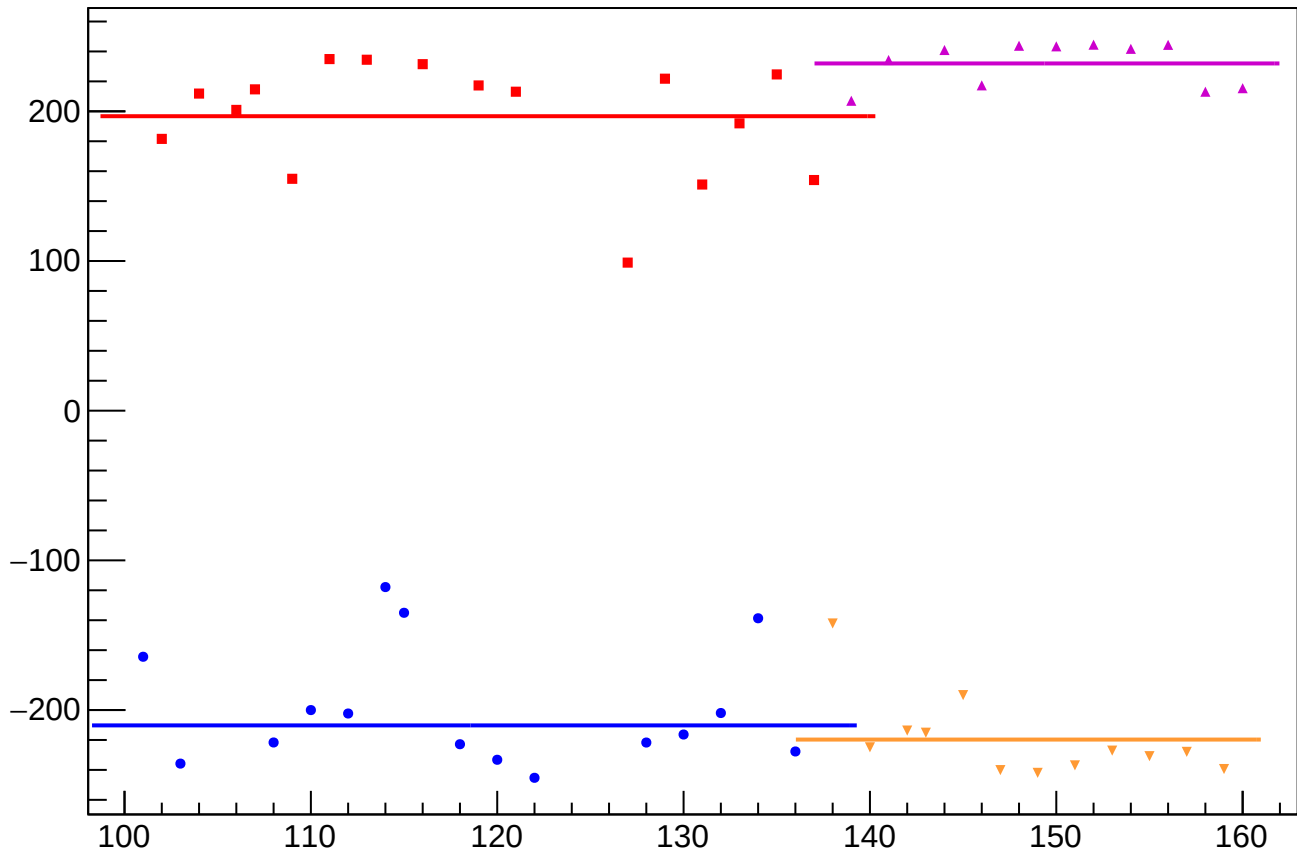
Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 6.828 ± 0.000 χ^2/NDF : 5374095498583312473439971131260928.0/11
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -6.978 ± 0.000 χ^2/NDF : 5622697014277754941158413236699136.0/10
 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

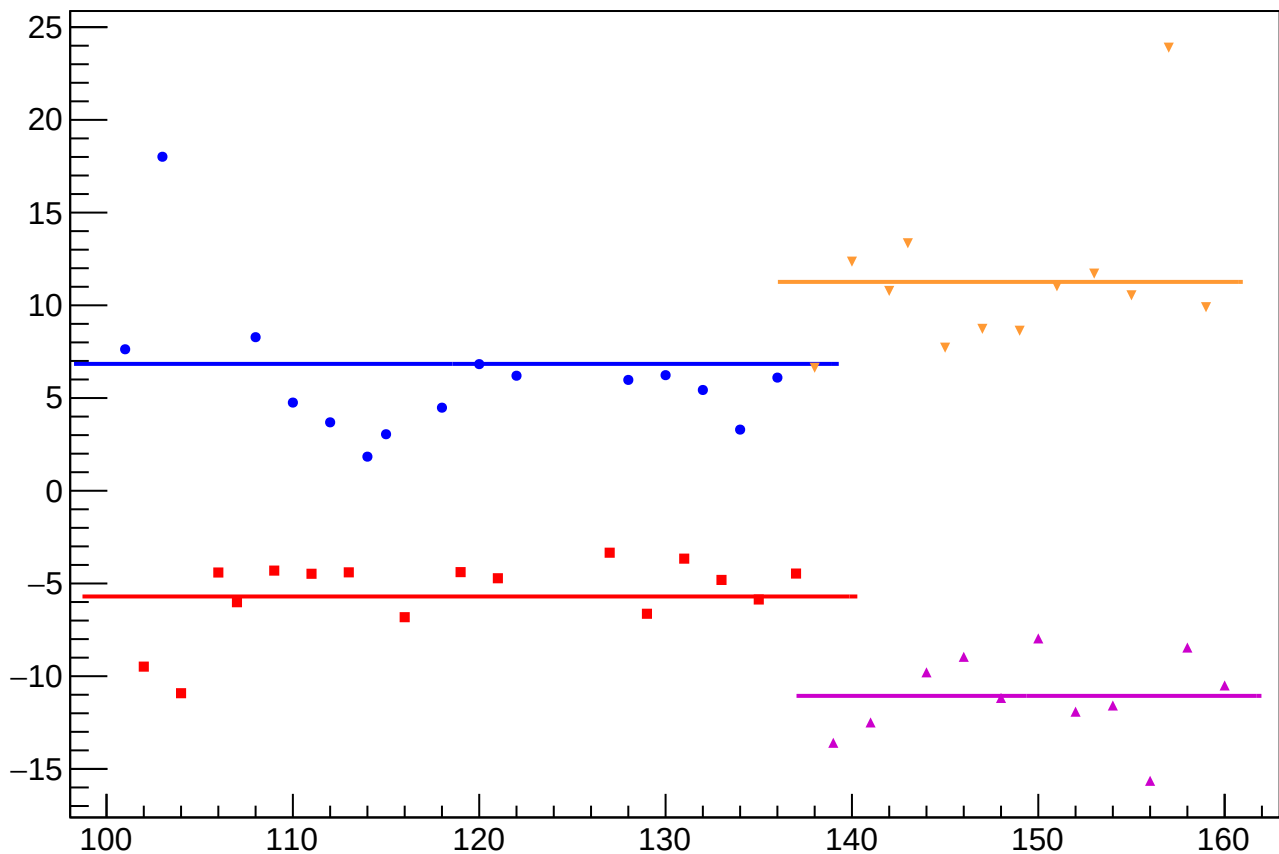
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -44.029+/-0.000 χ^2/NDF : 6848097439733710

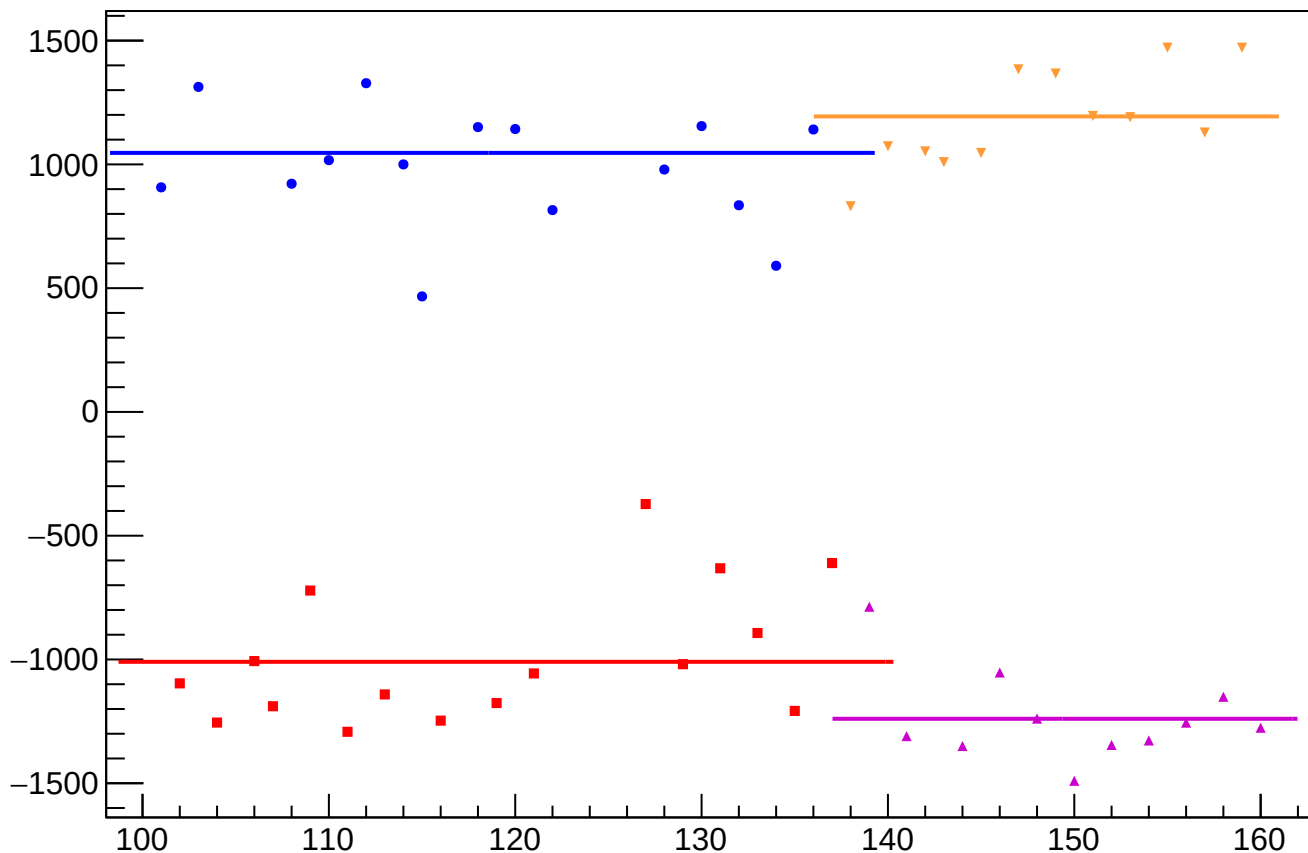
All: 2.627+/-0.000 χ^2/NDF : 15069384503153

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



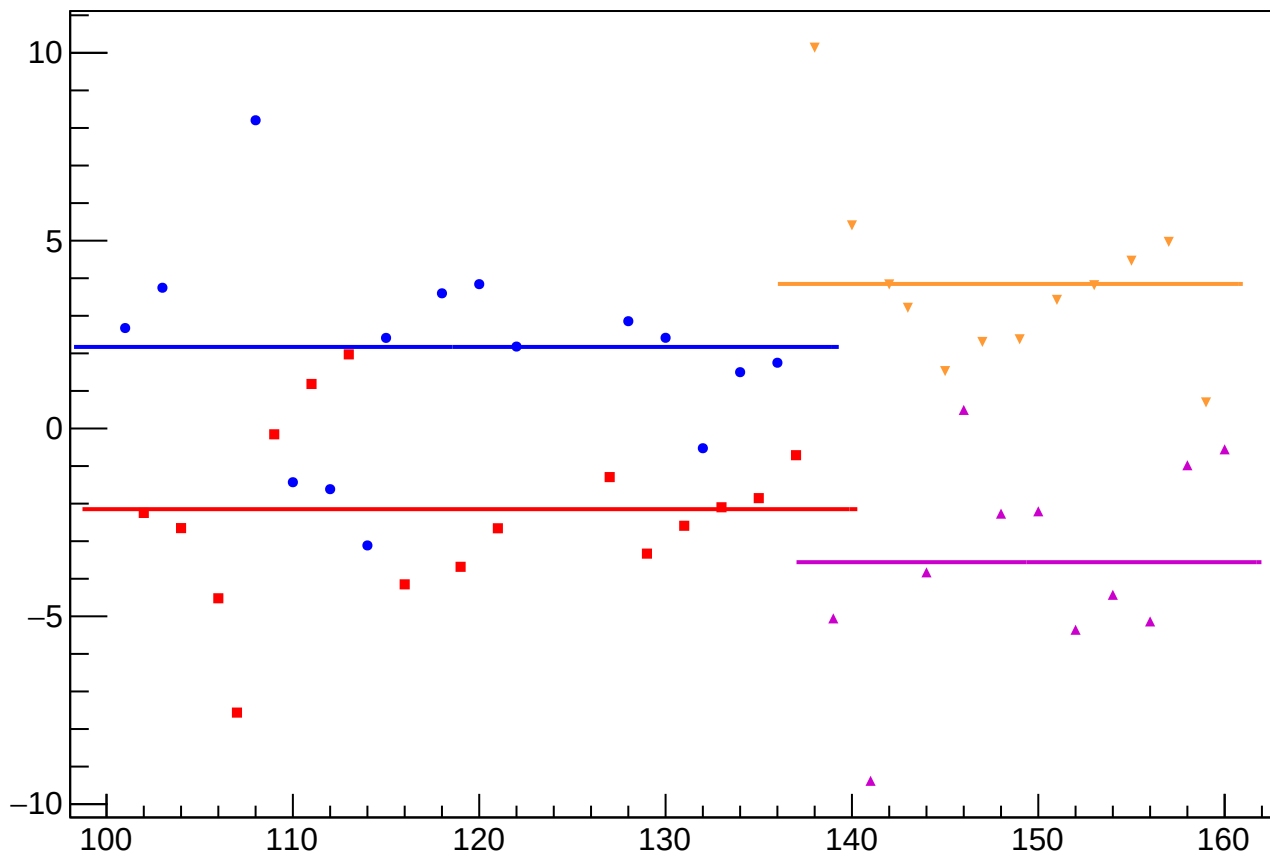
Right In: 6.842 +/- 0.000 χ^2/NDF : 9355934166823324467316647620771840.0/14
 Left Out: 11.263 +/- 0.000 χ^2/NDF : 16950484304495826735526537389408256.0/11
 Right Out: -5.701 +/- 0.000 χ^2/NDF : 3174693398300953393137731791486976.0/15
 Left In: -11.061 +/- 0.000 χ^2/NDF : 4417559387784954400311933713514496.0/10
 All: 0.226 +/- 0.000 χ^2/NDF : 31478743415470

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



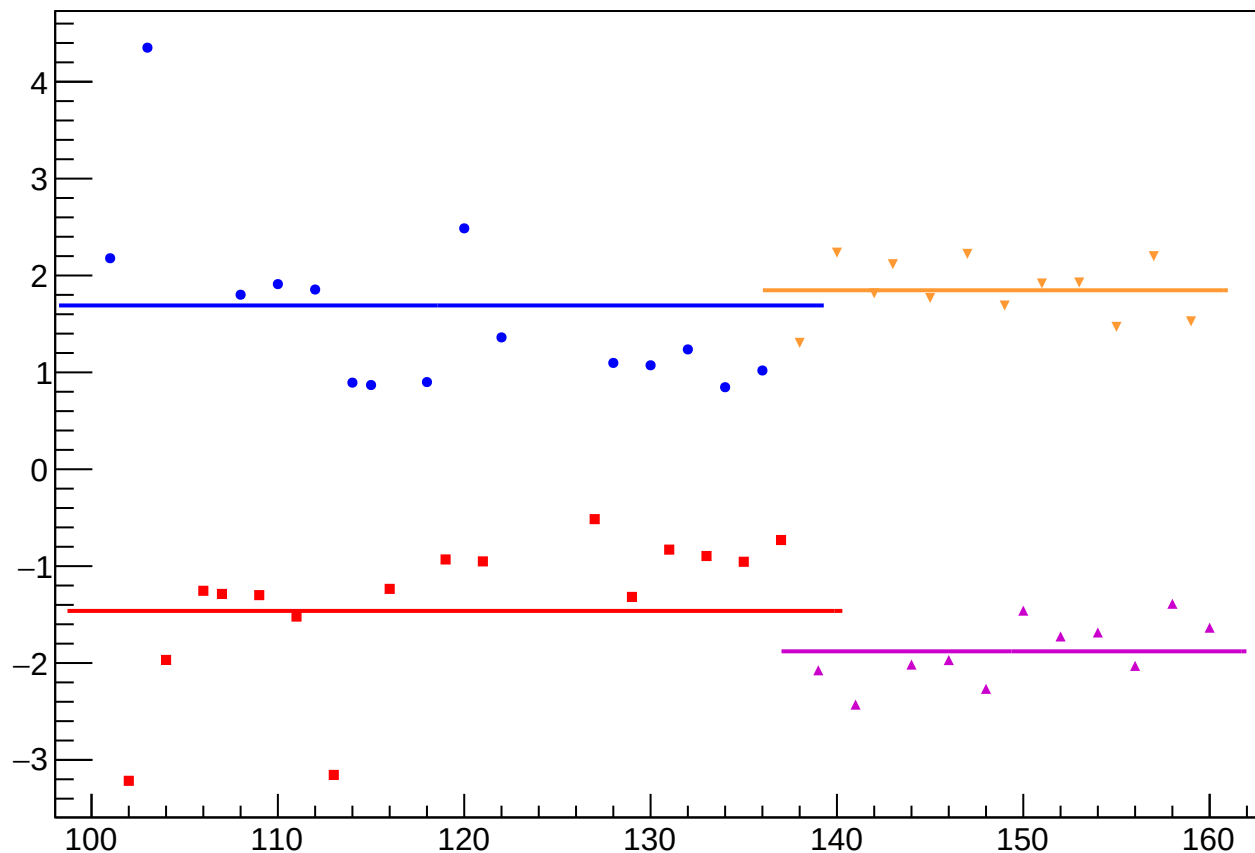
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aY_coil1_mean vs Slug, Sign Corrected



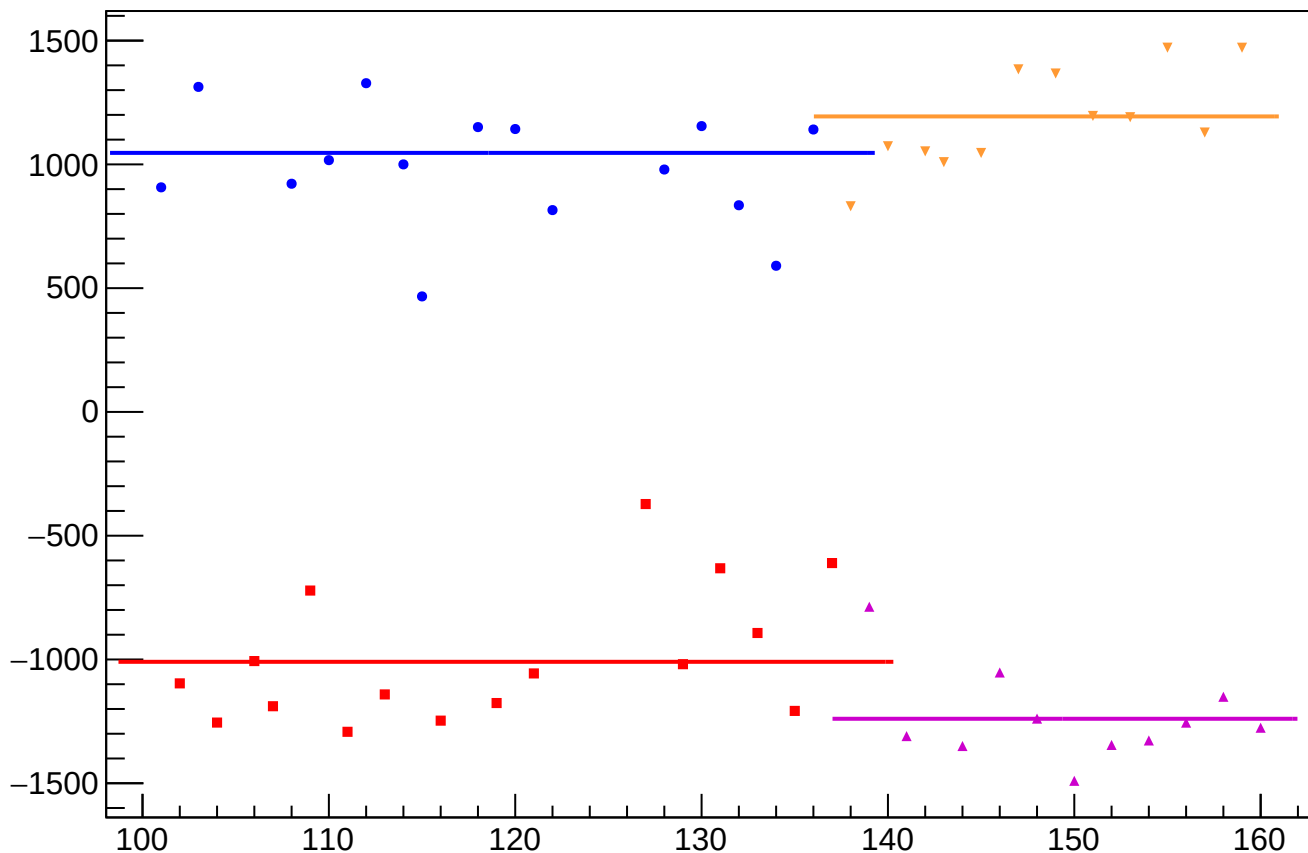
Right In: 2.171 ± 0.000 $\chi^2/\text{NDF}: 3599819246909975678410499691642880.0/14$
 Left Out: 3.848 ± 0.000 $\chi^2/\text{NDF}: 5039599457588936759406360166137856.0/11$
 Right Out: -2.148 ± 0.000 $\chi^2/\text{NDF}: 3093887336239378959606321931878400.0/15$
 Left In: -3.559 ± 0.000 $\chi^2/\text{NDF}: 6492667345109962540652165758713856.0/10$
 All: 0.065 ± 0.000 $\chi^2/\text{NDF}: 49586913800618$

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



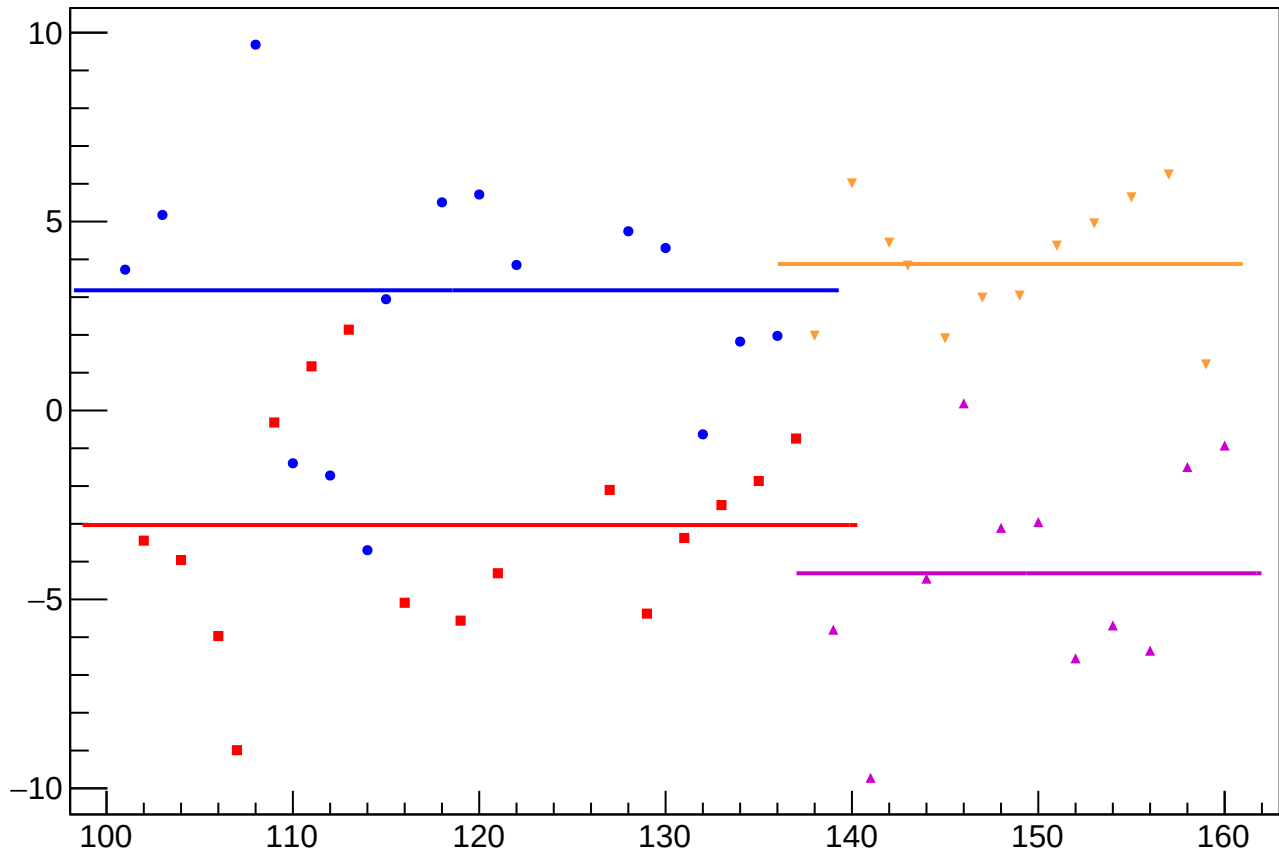
Right In: 1.691 ± 0.000 $\chi^2/\text{NDF}: 612163393317609859674079412355072.0/14$
 Left Out: 1.847 ± 0.000 $\chi^2/\text{NDF}: 84162850183102511254837045231616.0/11$
 Right Out: -1.462 ± 0.000 $\chi^2/\text{NDF}: 444384511662519040022371754835968.0/15$
 Left In: -1.879 ± 0.000 $\chi^2/\text{NDF}: 90968052268112309617342982127616.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10893960400462.0/10$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



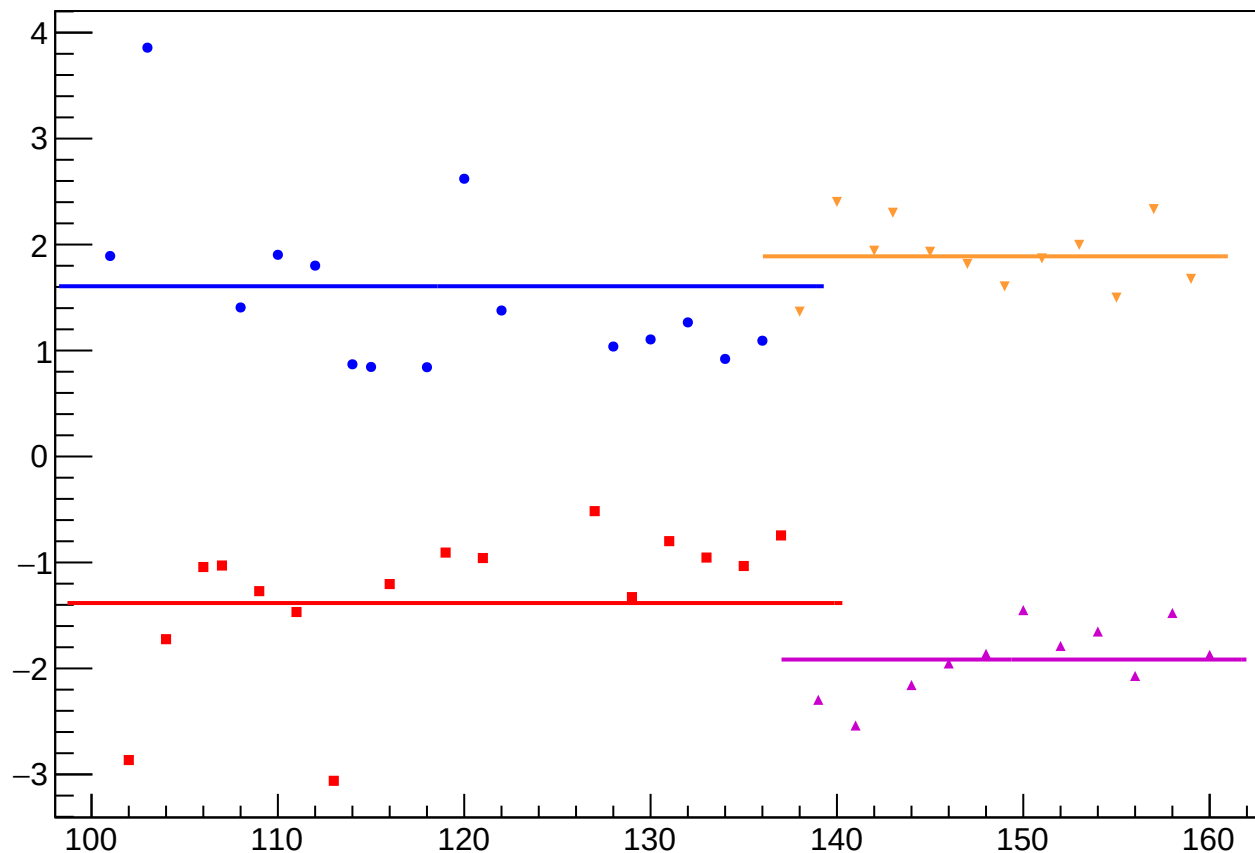
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
		All: -15.348+/-0.000	χ^2/NDF : 424479012287

dit_4eY_coil1_mean vs Slug, Sign Corrected



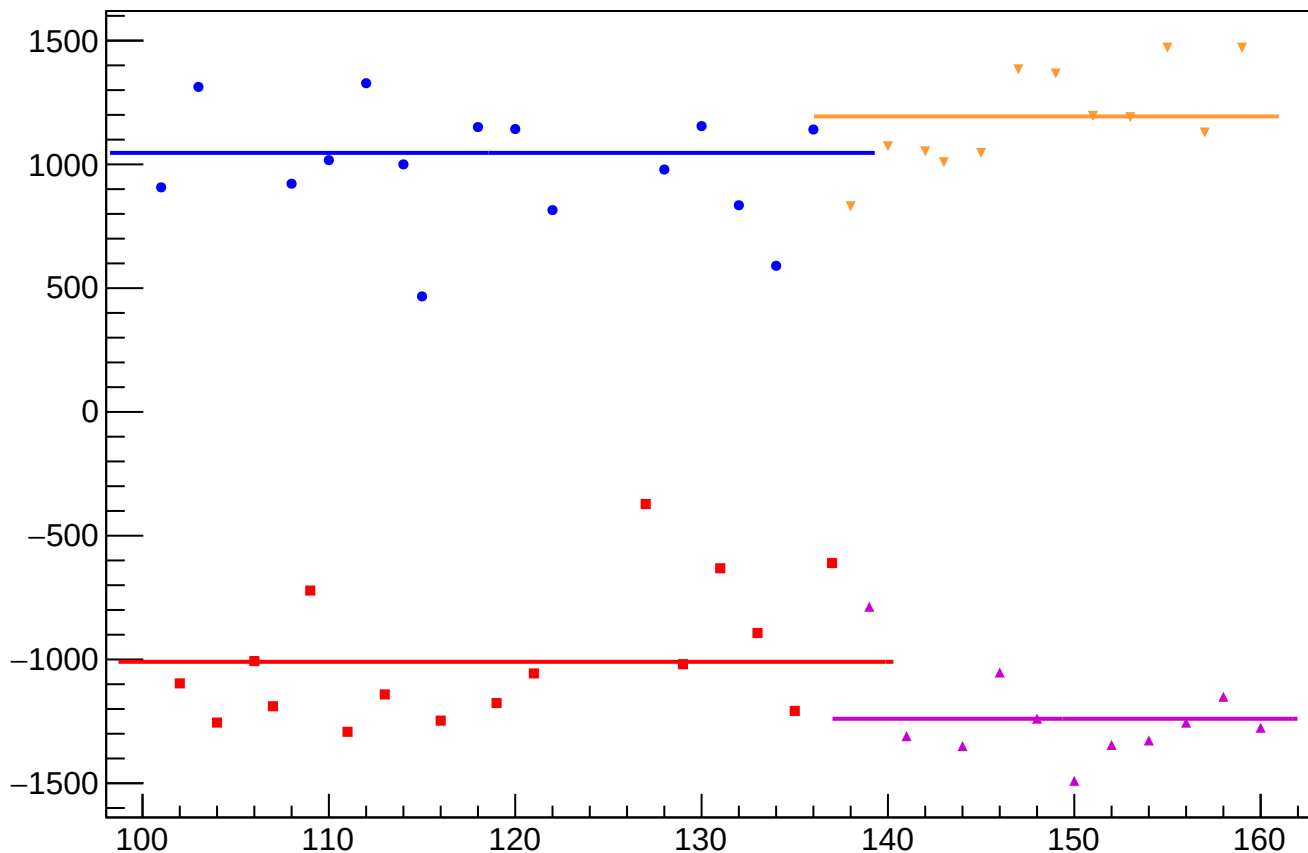
Left: -0.237 ± 0.000 $\chi^2/\text{NDF}: 40330727078704471$
 Right In: 3.181 ± 0.000 $\chi^2/\text{NDF}: 5833303227868252617704566394191872.0/14$
 Left Out: 3.878 ± 0.000 $\chi^2/\text{NDF}: 2463584640289158504459219897417728.0/11$
 Right Out: -3.032 ± 0.000 $\chi^2/\text{NDF}: 4937209831371793945496546833334272.0/15$
 Left In: -4.308 ± 0.000 $\chi^2/\text{NDF}: 7073495667694280351803168107003904.0/10$
 All: -0.125 ± 0.000 $\chi^2/\text{NDF}: 6385427084403$

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



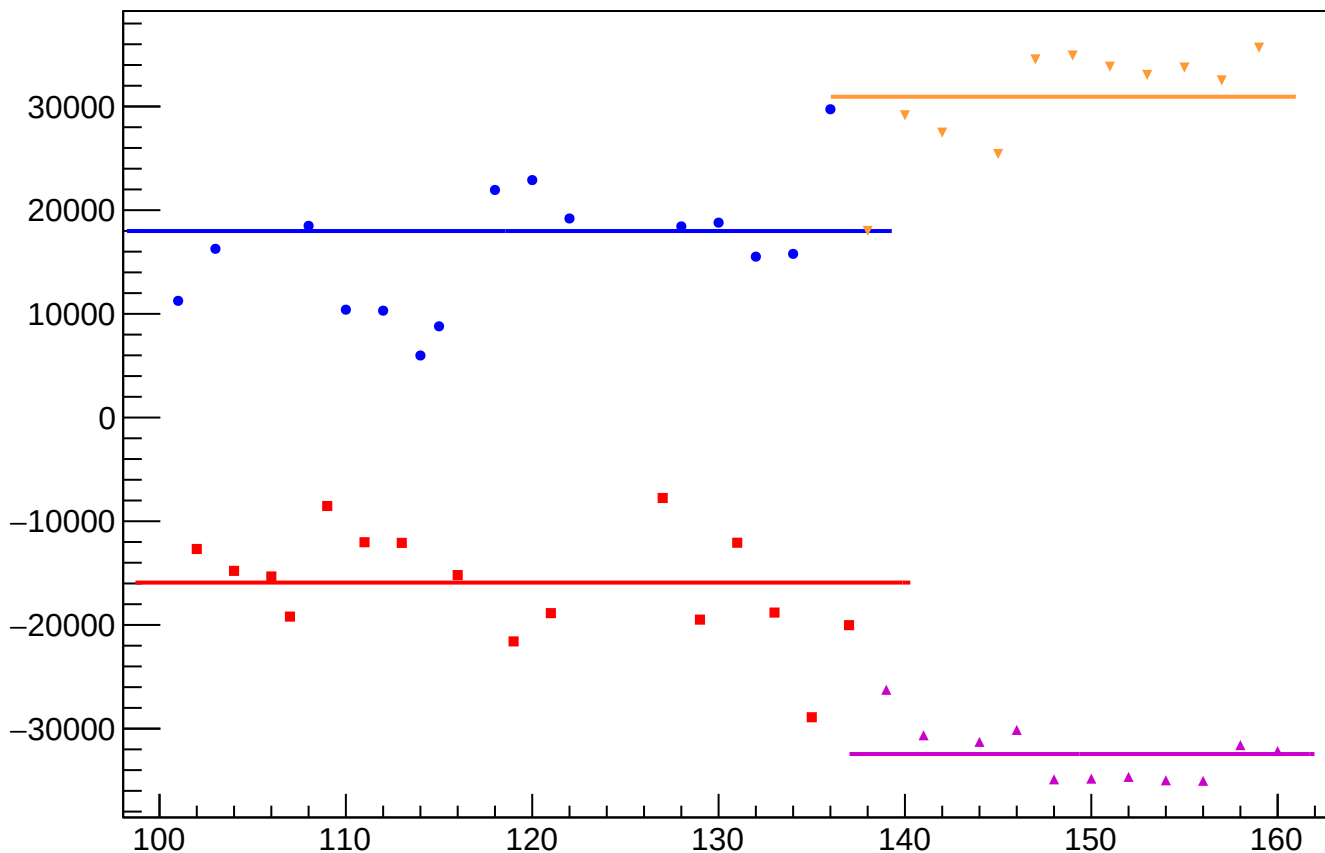
Right In: 1.607 ± 0.000 χ^2/NDF : 460949628640148184181205735833600.0/14
 Left Out: 1.889 ± 0.000 χ^2/NDF : 94097326064066188177587241484288.0/11
 Right Out: -1.383 ± 0.000 χ^2/NDF : 358348897016286200957650337792000.0/15
 Left In: -1.916 ± 0.000 χ^2/NDF : 95276515809016209875699691945984.0/10
 All: 0.024 ± 0.000 χ^2/NDF : 10610919143090

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



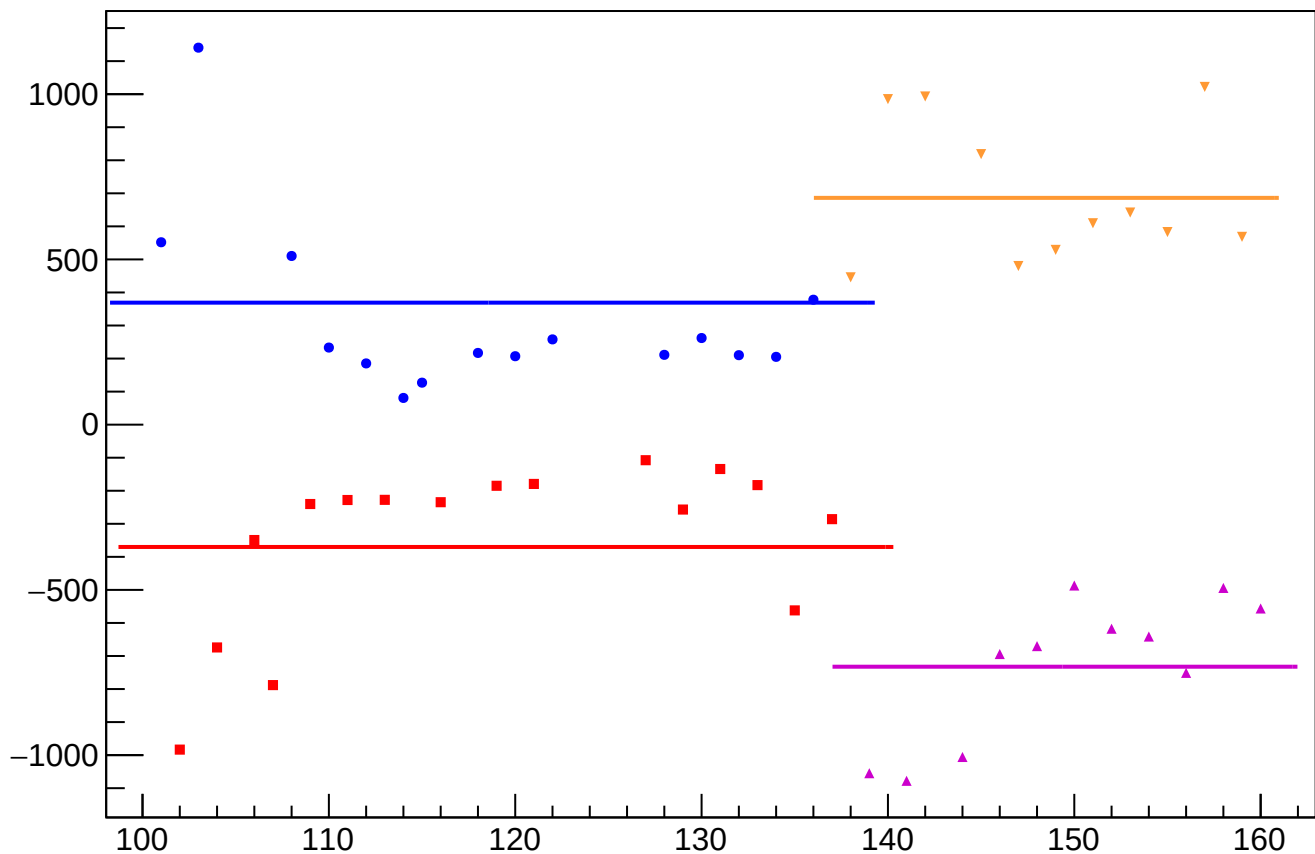
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_usl_coil1_mean vs Slug, Sign Corrected



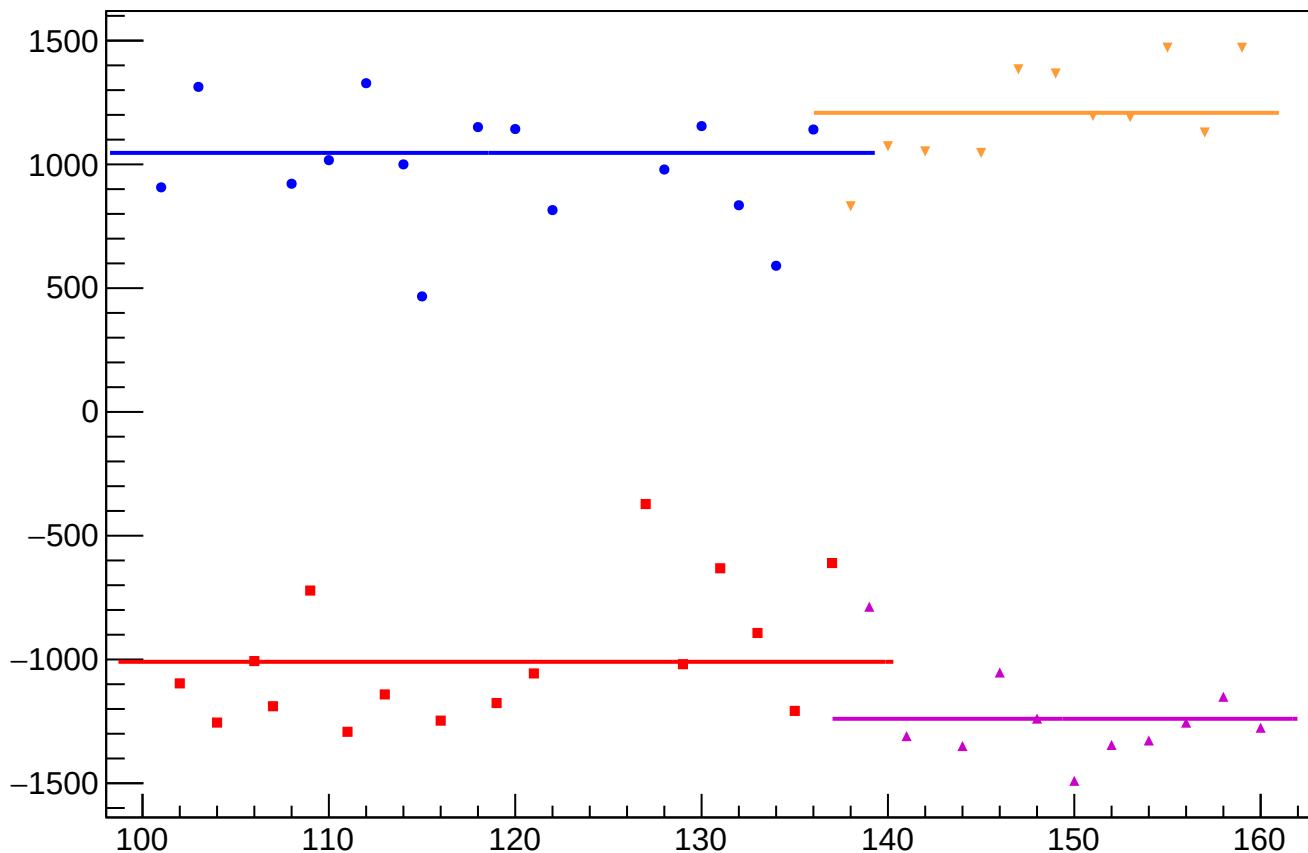
Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 30938.190+/-0.000 χ^2/NDF : 22231201695257869773275369100022395174912.0/10
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32448.675+/-0.000 χ^2/NDF : 6566176061380629796456552080625585094656.0/10
 All: -880.808+/-0.000 χ^2/NDF : 22337383681

dit_usl_coil1_err_mean vs Slug, Sign Corrected



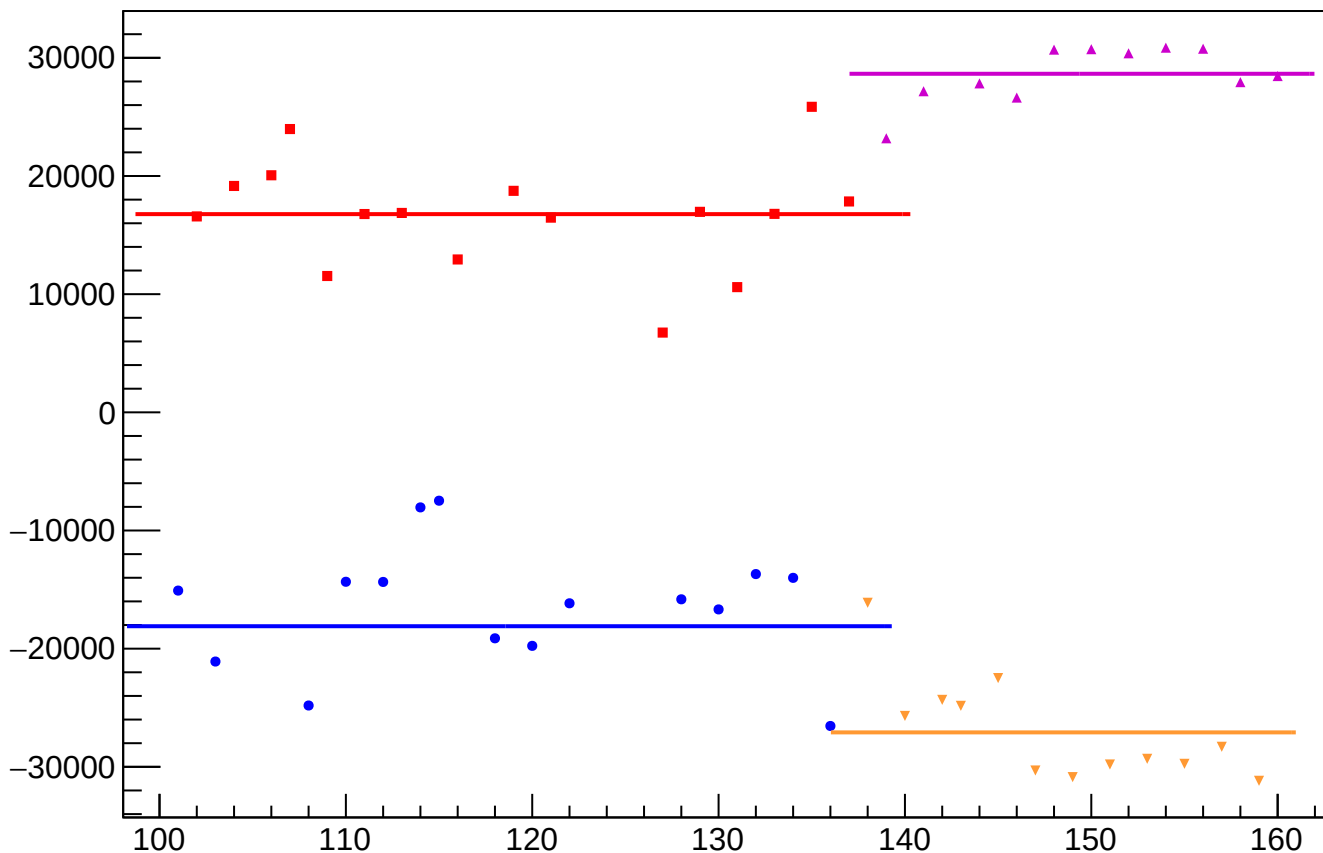
Right In: 369.169+/-0.000 χ^2/NDF : 48053036789565485994195833341370957824.0/14
 Left Out: 686.240+/-0.000 χ^2/NDF : 34417236167842983766159212562513657856.0/10
 Right Out: -370.091+/-0.000 χ^2/NDF : 48214462907052107543037037125316902912.0/15
 Left In: -732.414+/-0.000 χ^2/NDF : 39942105840529115736569596950263889920.0/10
 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

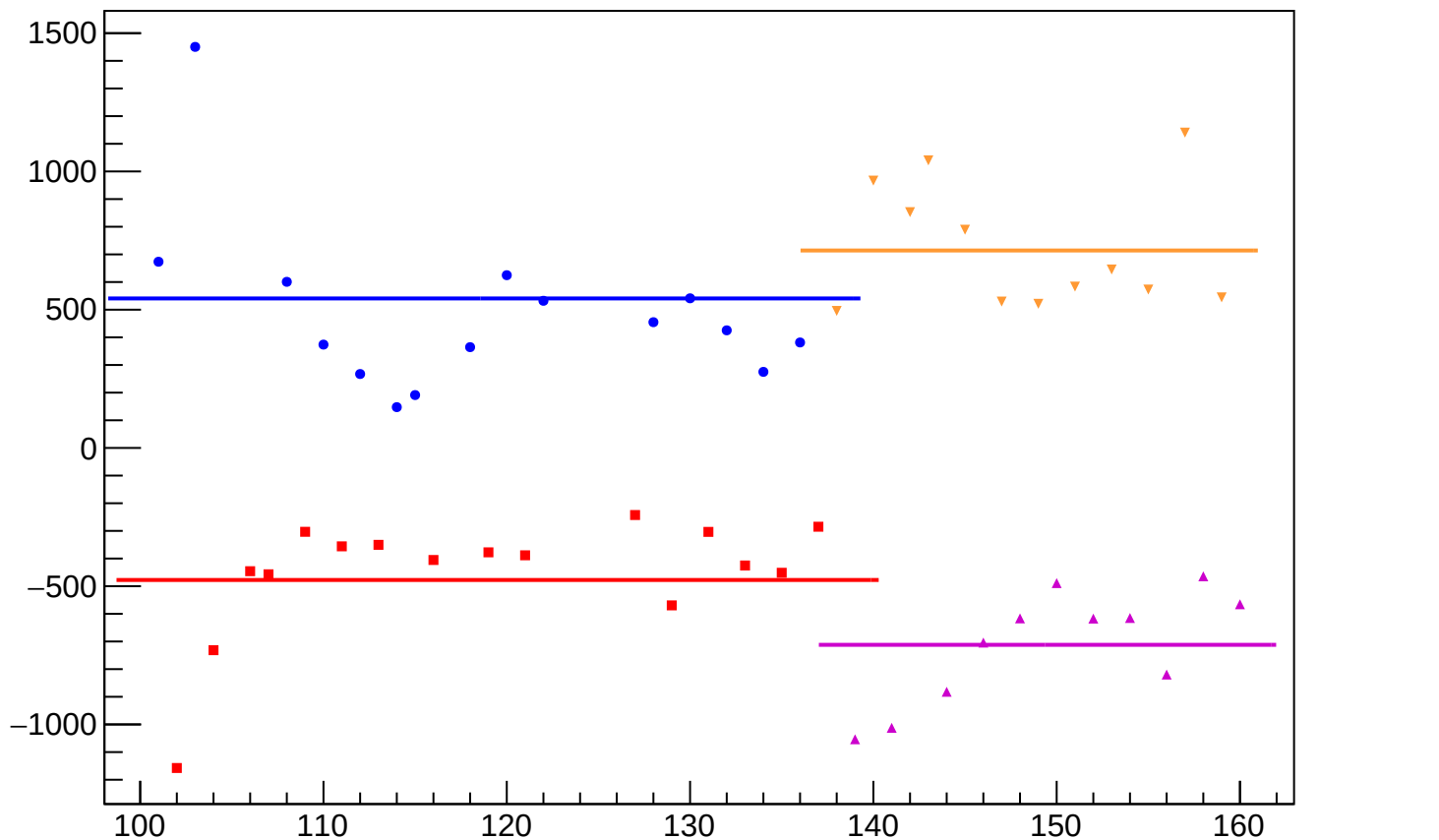
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8581.907+/-0.000 χ^2/NDF : 77289596182504

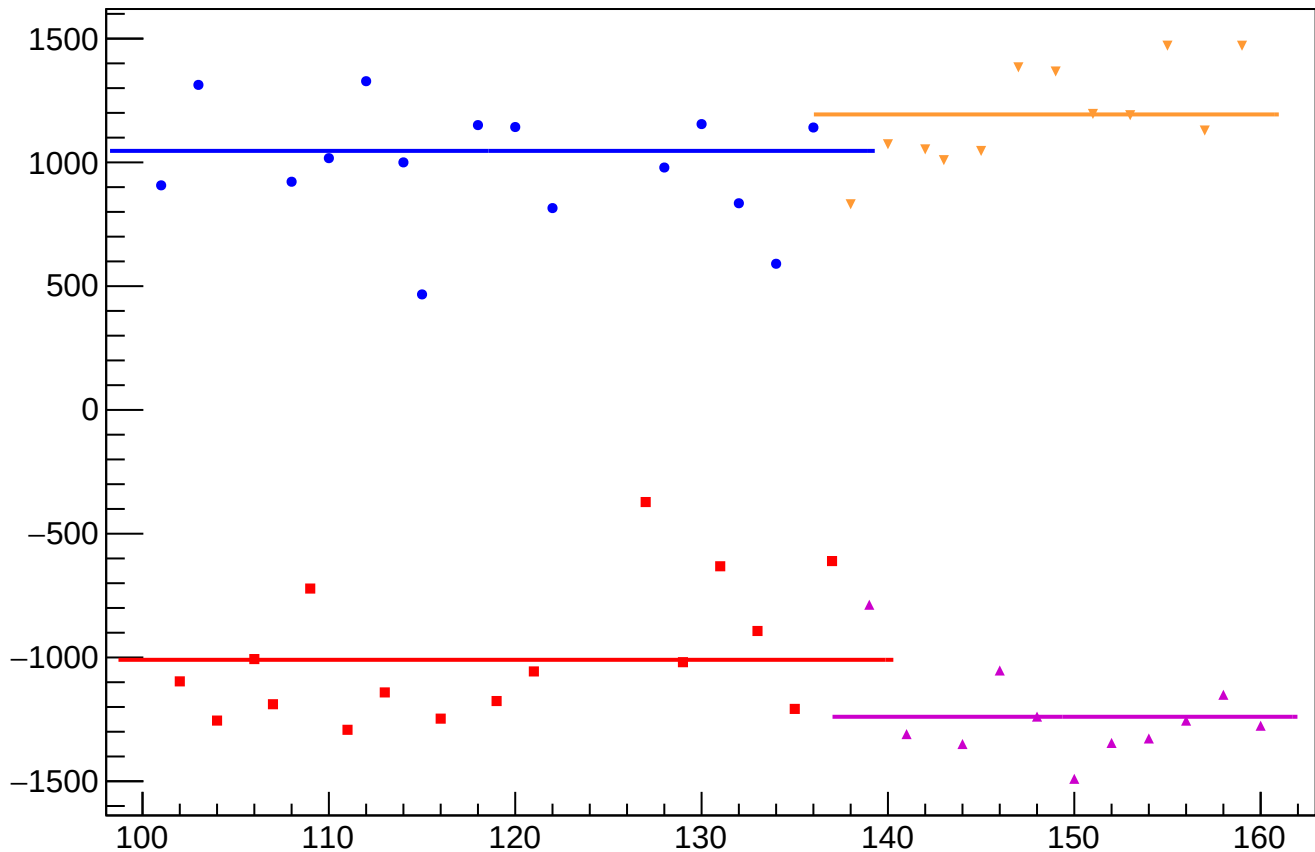
All: 367.048+/-0.000 χ^2/NDF : 18794796419

dit_usr_coil1_err_mean vs Slug, Sign Corrected



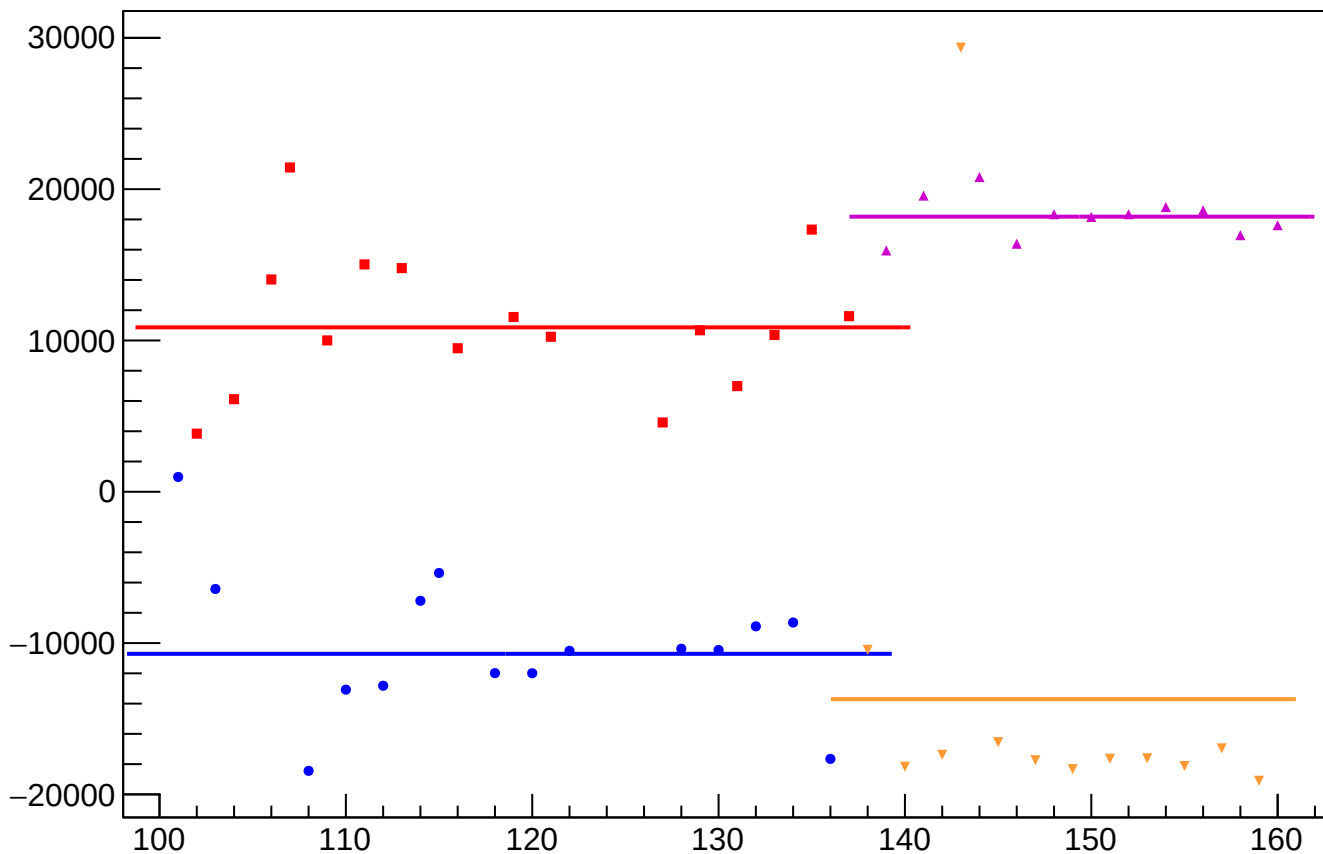
Left: -2.853 +/- 0.000 χ^2/NDF : 10119212919667896
 Right: 24.595 +/- 0.000 χ^2/NDF : 4443717563002768
 In: -195.221 +/- 0.000 χ^2/NDF : 6969405075379816
 Out: 211.390 +/- 0.000 χ^2/NDF : 6295663774355160
 All: 8.600 +/- 0.000 χ^2/NDF : 14568707976042

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292 +/- 0.000

χ^2/NDF : 16945226152053511840482618402250170564608.0/14

Left Out: -13705.488 +/- 0.000

χ^2/NDF : 138226511026527050662319693841079709204480.0/11

Right Out: 10866.264 +/- 0.000

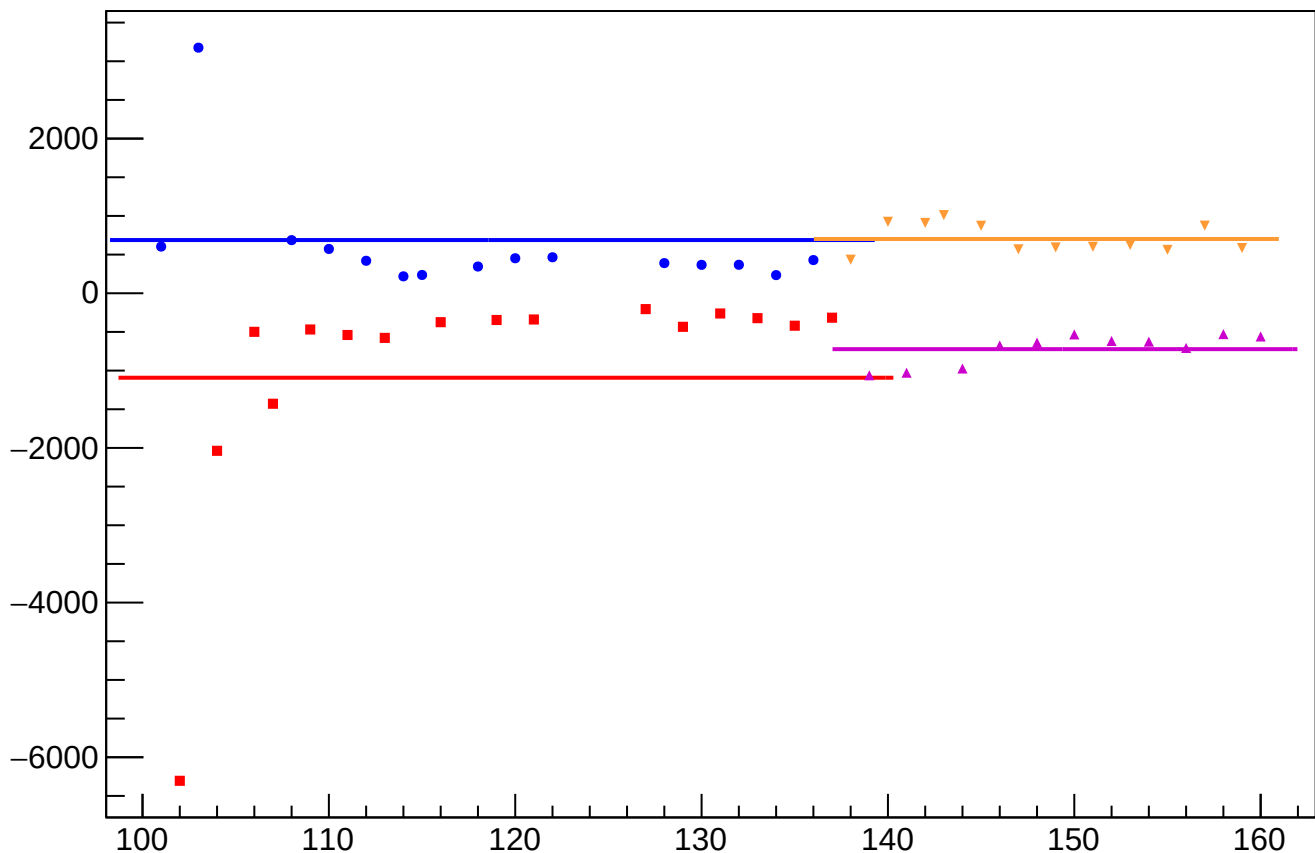
χ^2/NDF : 14234762838858382484525901644131626647552.0/15

Left In: 18181.504 +/- 0.000

χ^2/NDF : 1643617183572647868818914289162838343680.0/10

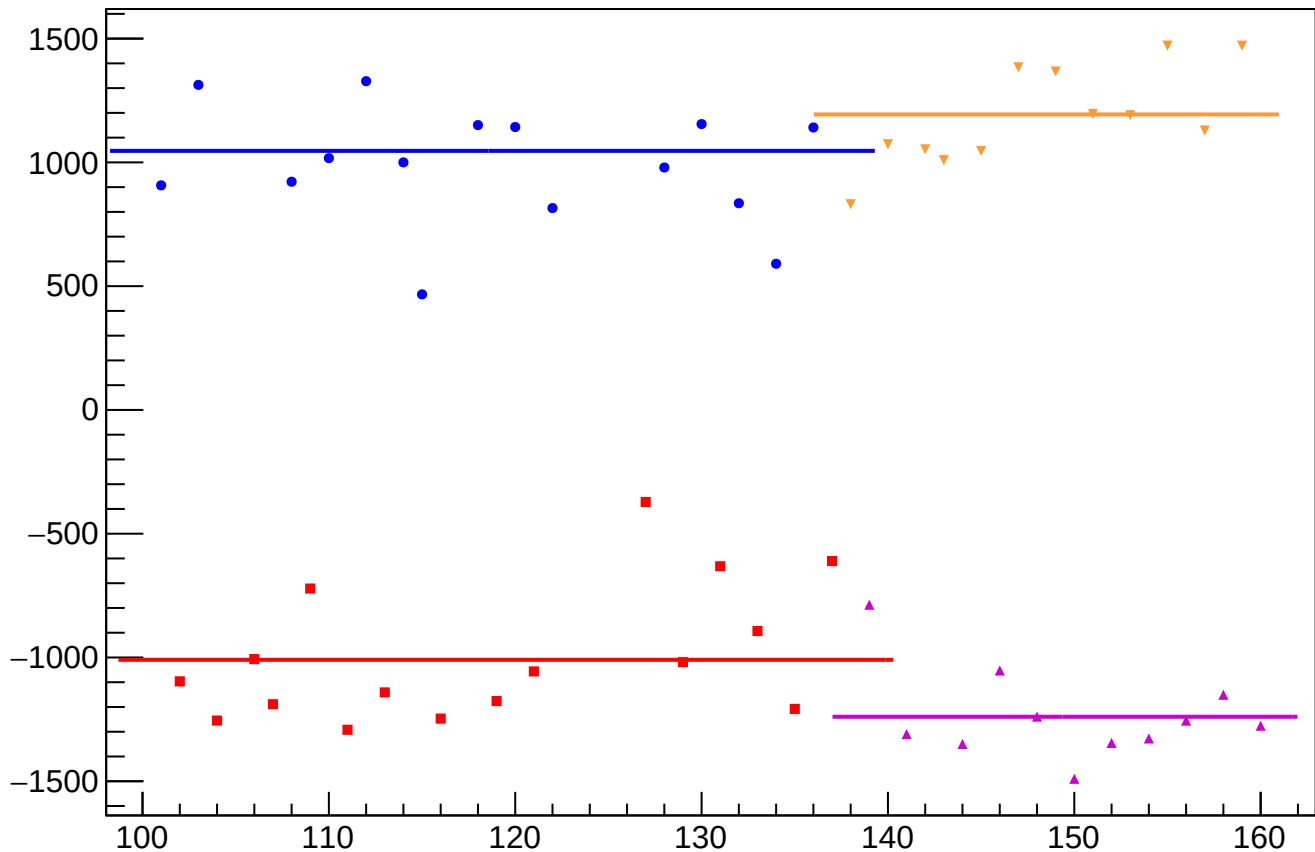
All: 1448.863 +/- 0.000 χ^2/NDF : 79476286142

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



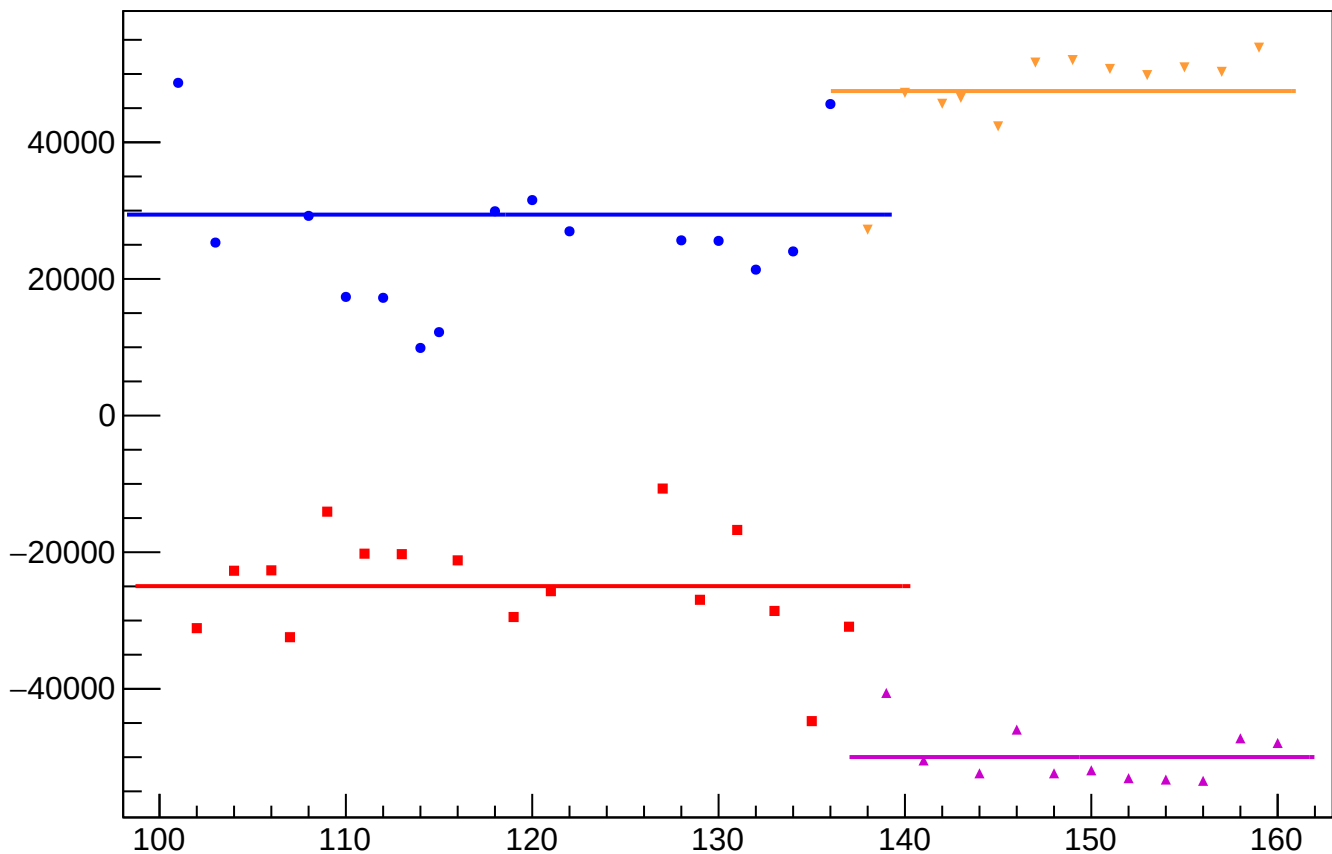
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 701.825 ± 0.000 $\chi^2/\text{NDF}: 29011752452264624264282448573098885120.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.785 ± 0.000 $\chi^2/\text{NDF}: 436080381727$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47501.916+/-0.000

χ^2/NDF : 43591715334933801645565199836761766756352.0/11

Right Out: -24963.010+/-0.000

χ^2/NDF : 45631572920122171972835961685494315614208.0/15

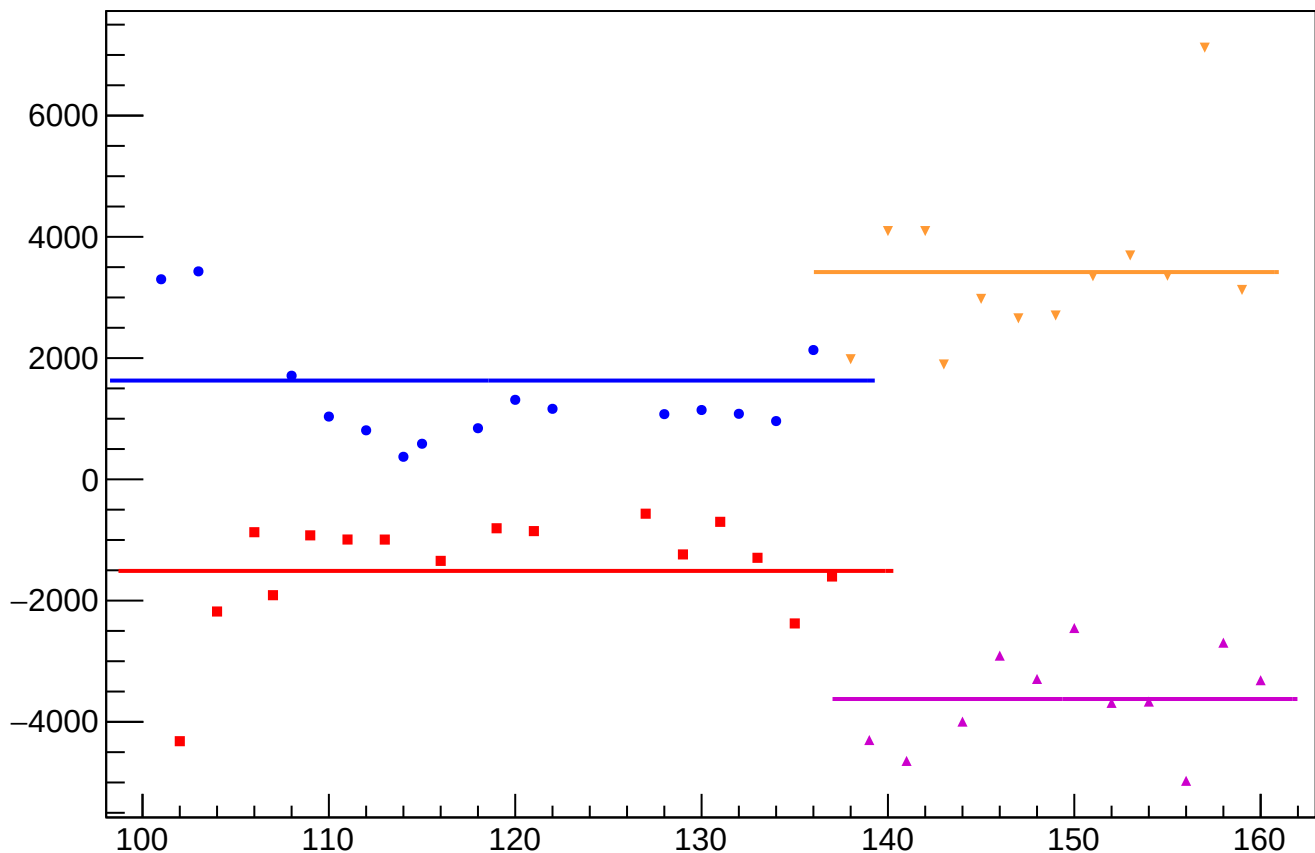
Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

All: -103.402+/-0.000

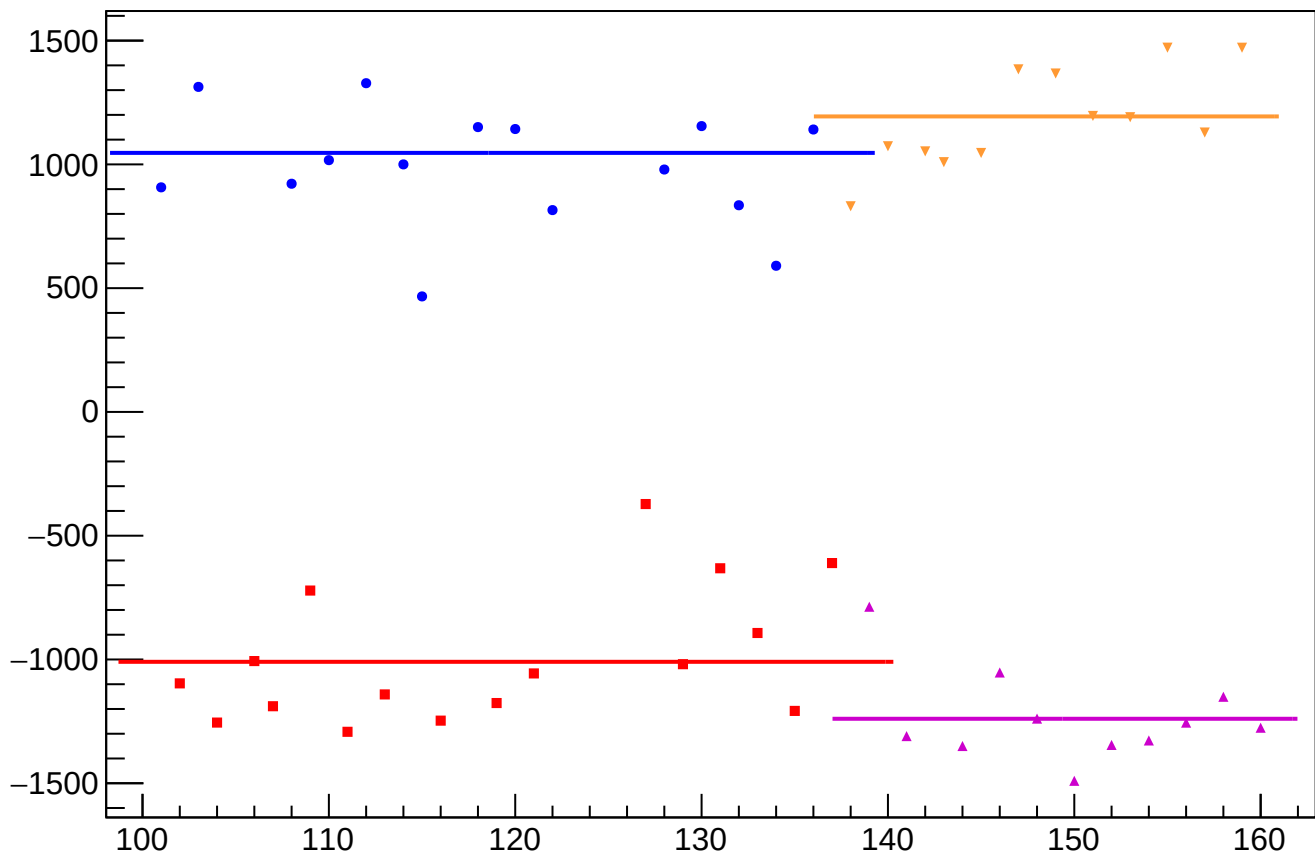
χ^2/NDF : 55223983268

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



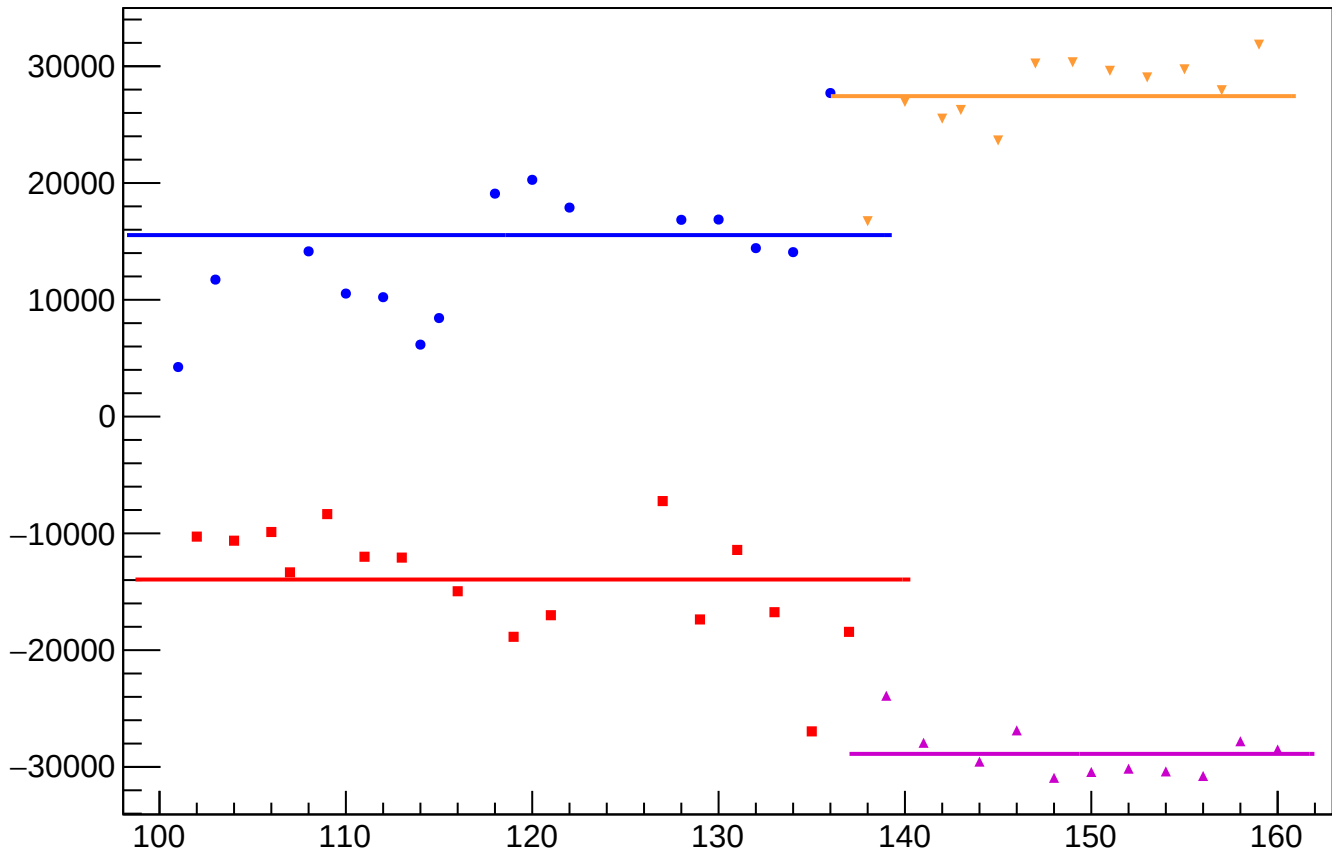
Right In: 1629.542 $\pm$ 0.000 χ^2 /NDF: 551738555355028902194697896437152219136.0/14
 Left Out: 3418.927 $\pm$ 0.000 χ^2 /NDF: 1575515144069936231955966928879934767104.0/11
 Right Out: -1510.293 $\pm$ 0.000 χ^2 /NDF: 688231904046816211321774524619745656832.0/15
 Left In: -3623.095 $\pm$ 0.000 χ^2 /NDF: 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

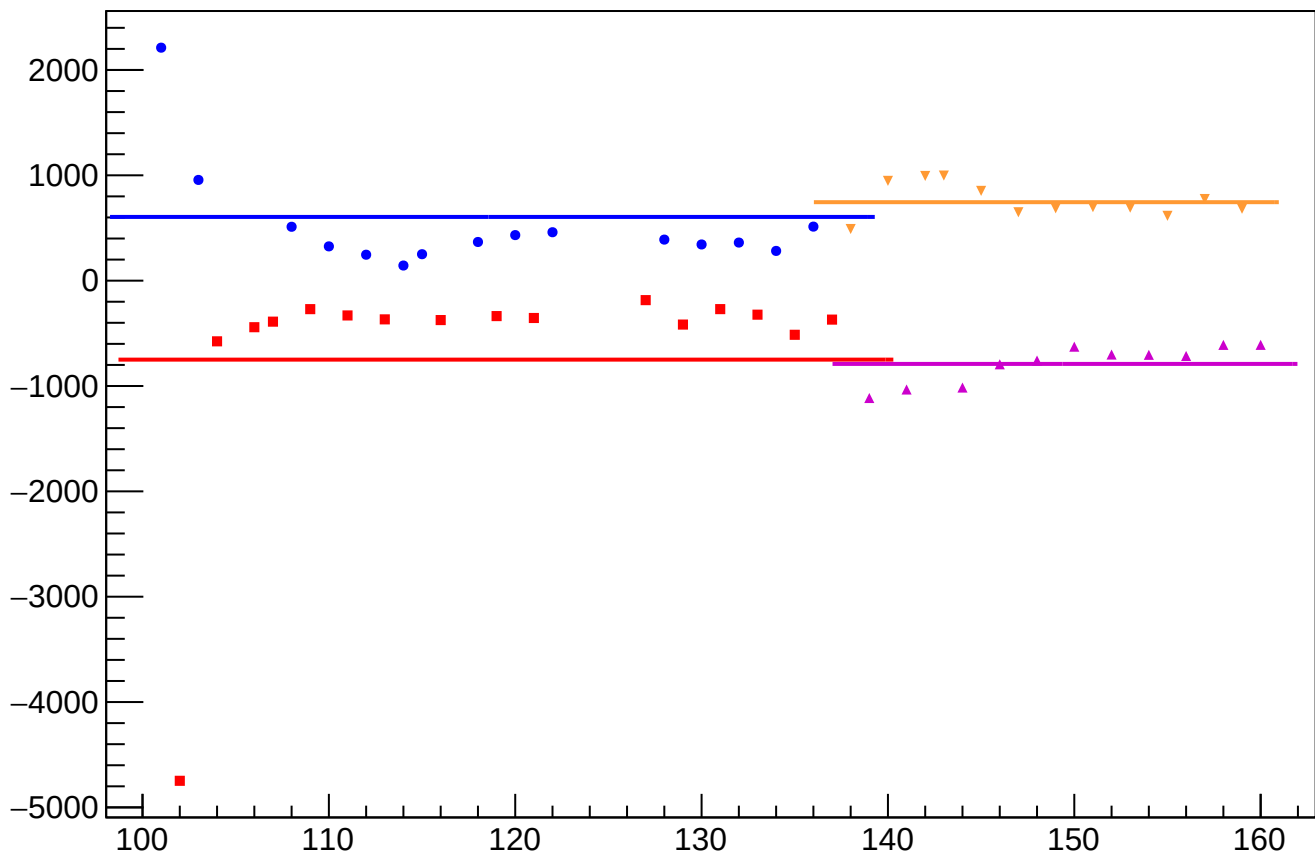
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

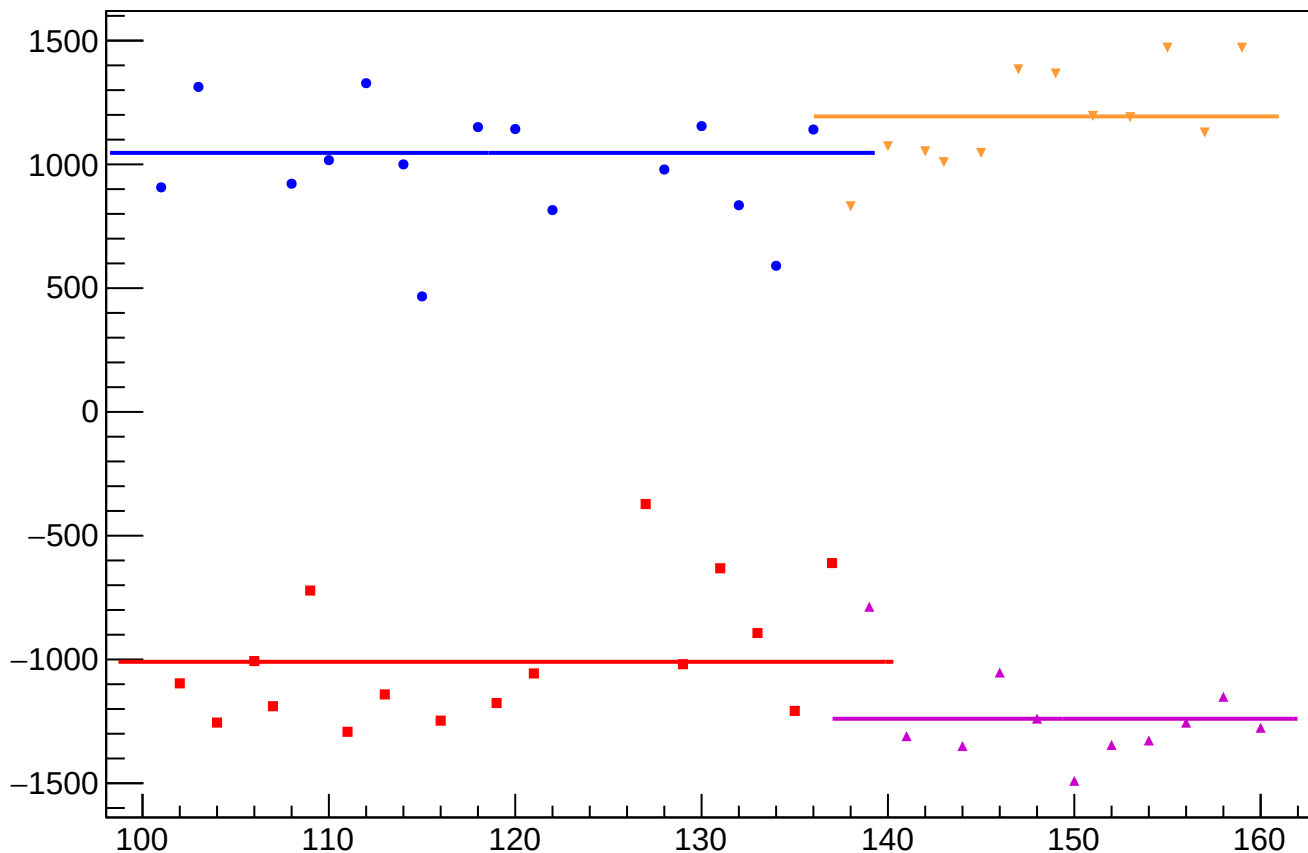
All: -262.152+/-0.000 χ^2/NDF : 18076481618

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



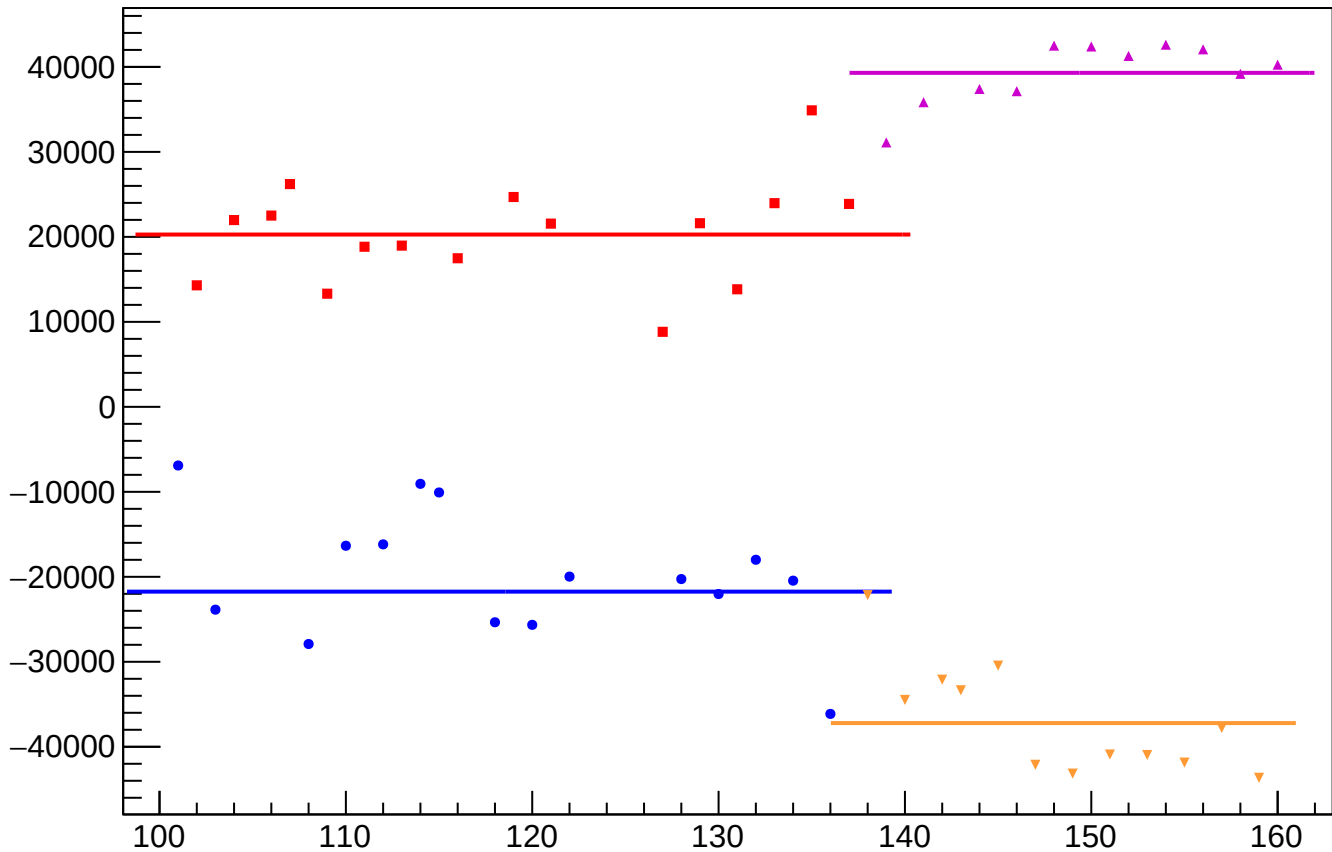
Right In: 605.034+/-0.000 χ^2/NDF : 189401522791607614448600157723362852864.0/14
 Left Out: 744.985+/-0.000 χ^2/NDF : 19571453984278961719936247870544412672.0/11
 Right Out: -749.582+/-0.000 χ^2/NDF : 1021358768377495935693748779804344188928.0/15
 Left In: -790.283+/-0.000 χ^2/NDF : 27375995163011560101349166949437800448.0/10
 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

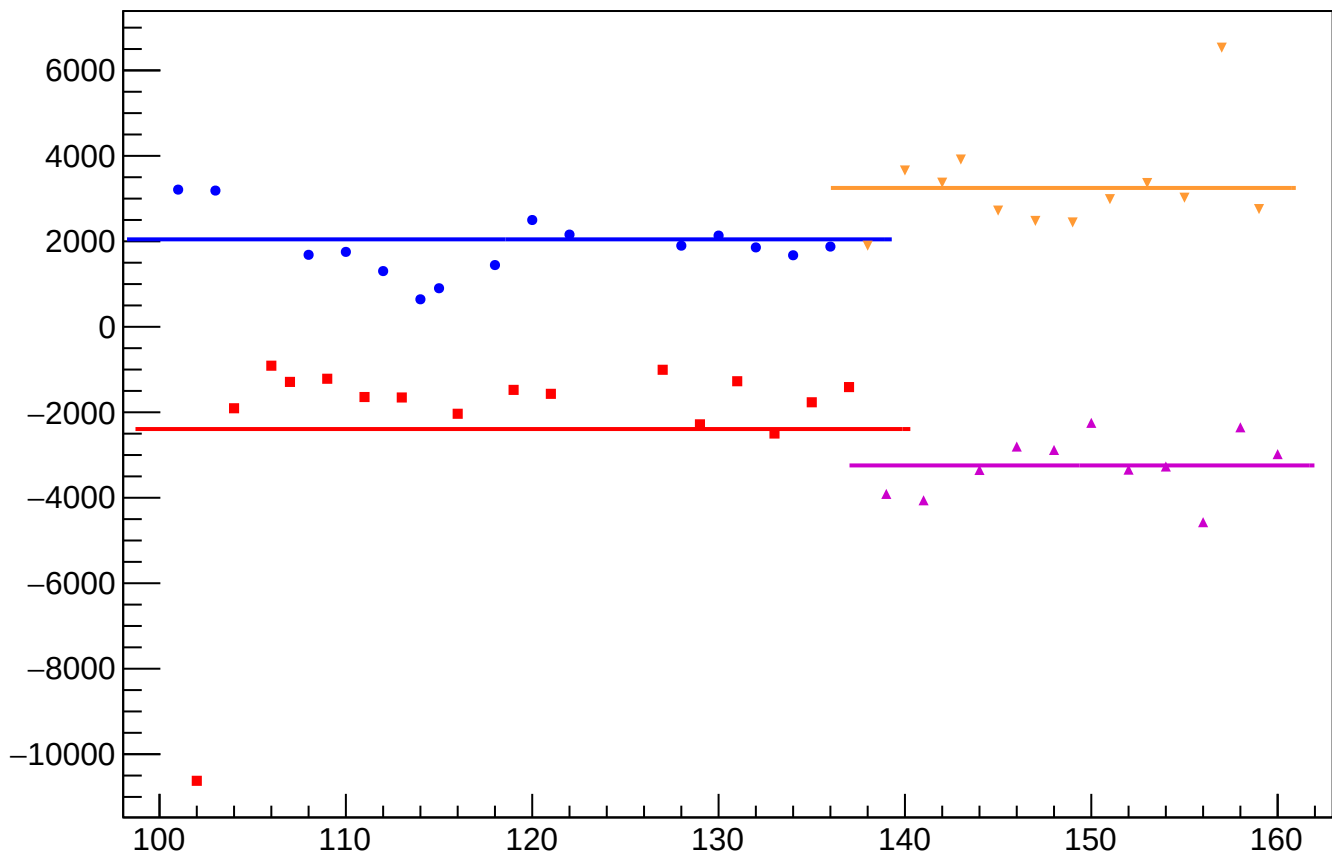
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

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

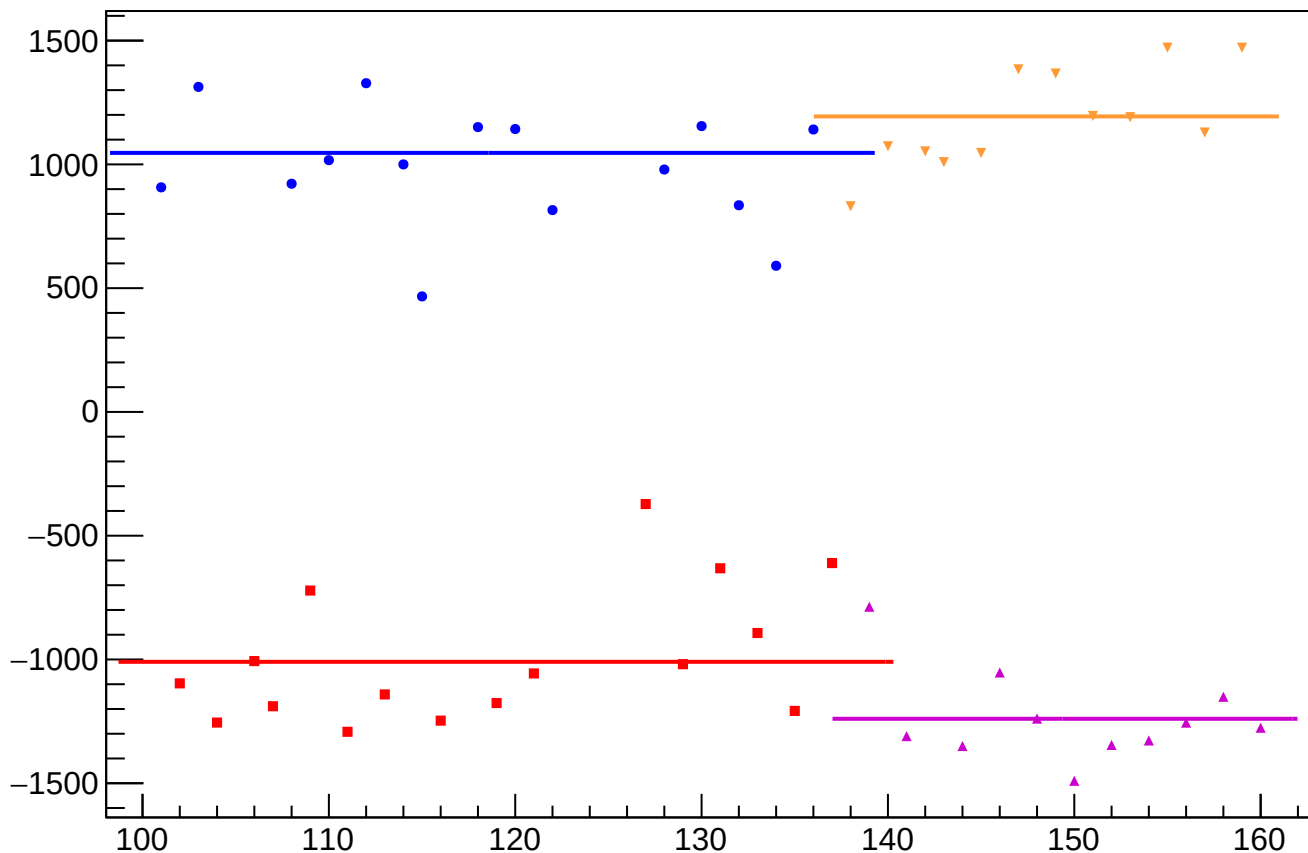
χ^2/NDF : 4415294964789778815259357544579499819008.0/15

Left In: -3243.479+/-0.000

χ^2/NDF : 422752345809564414875941115453230809088.0/10

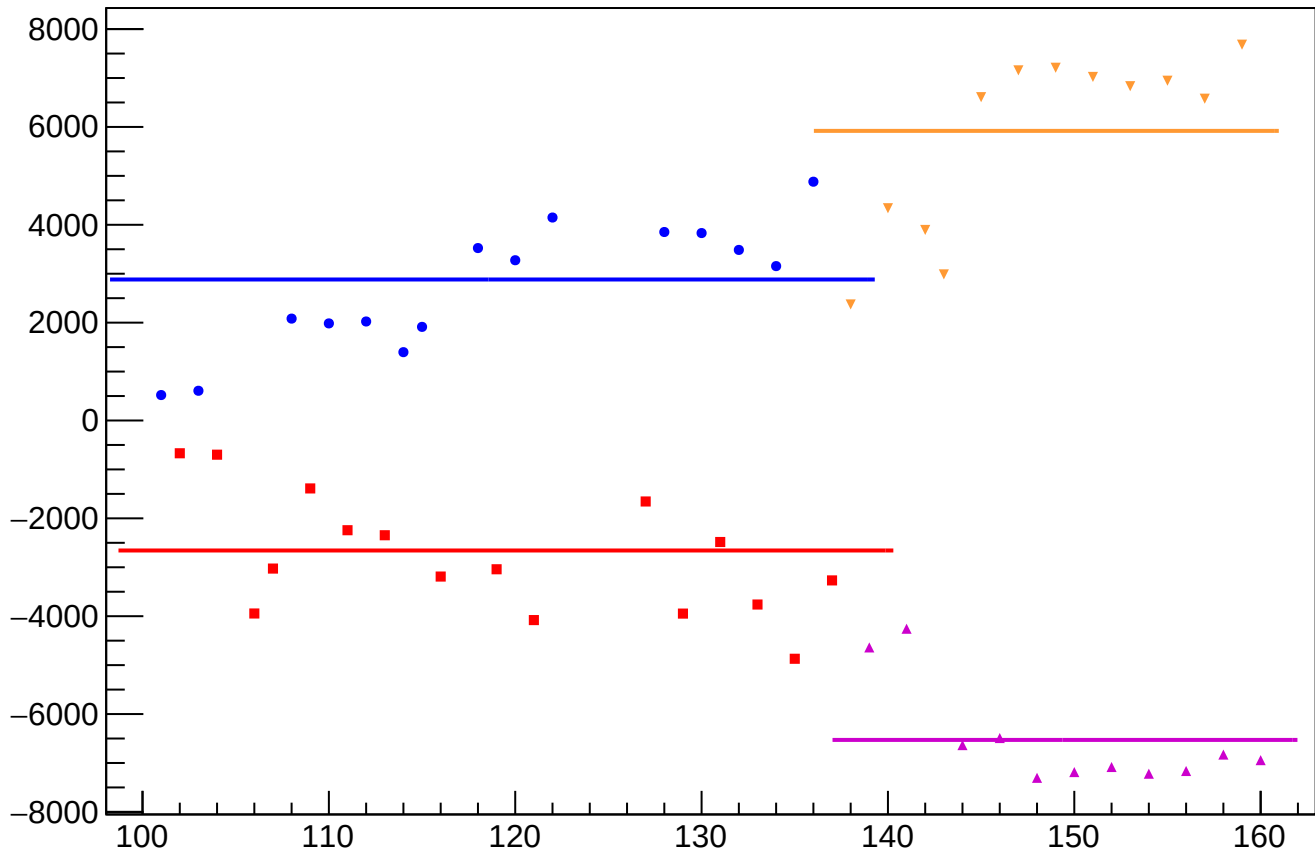
All: -93.355+/-0.000 χ^2/NDF : 321724014891

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



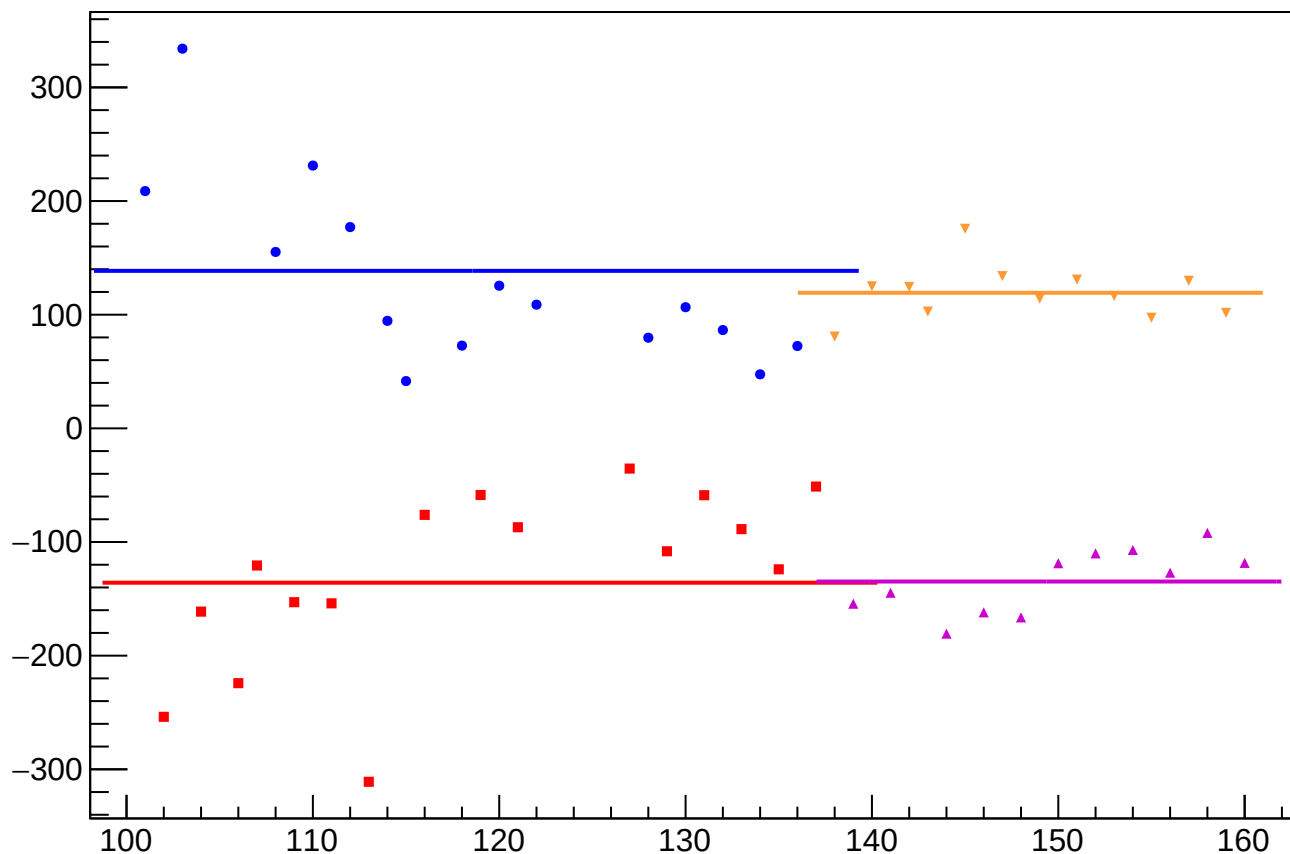
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam1_coil1_mean vs Slug, Sign Corrected



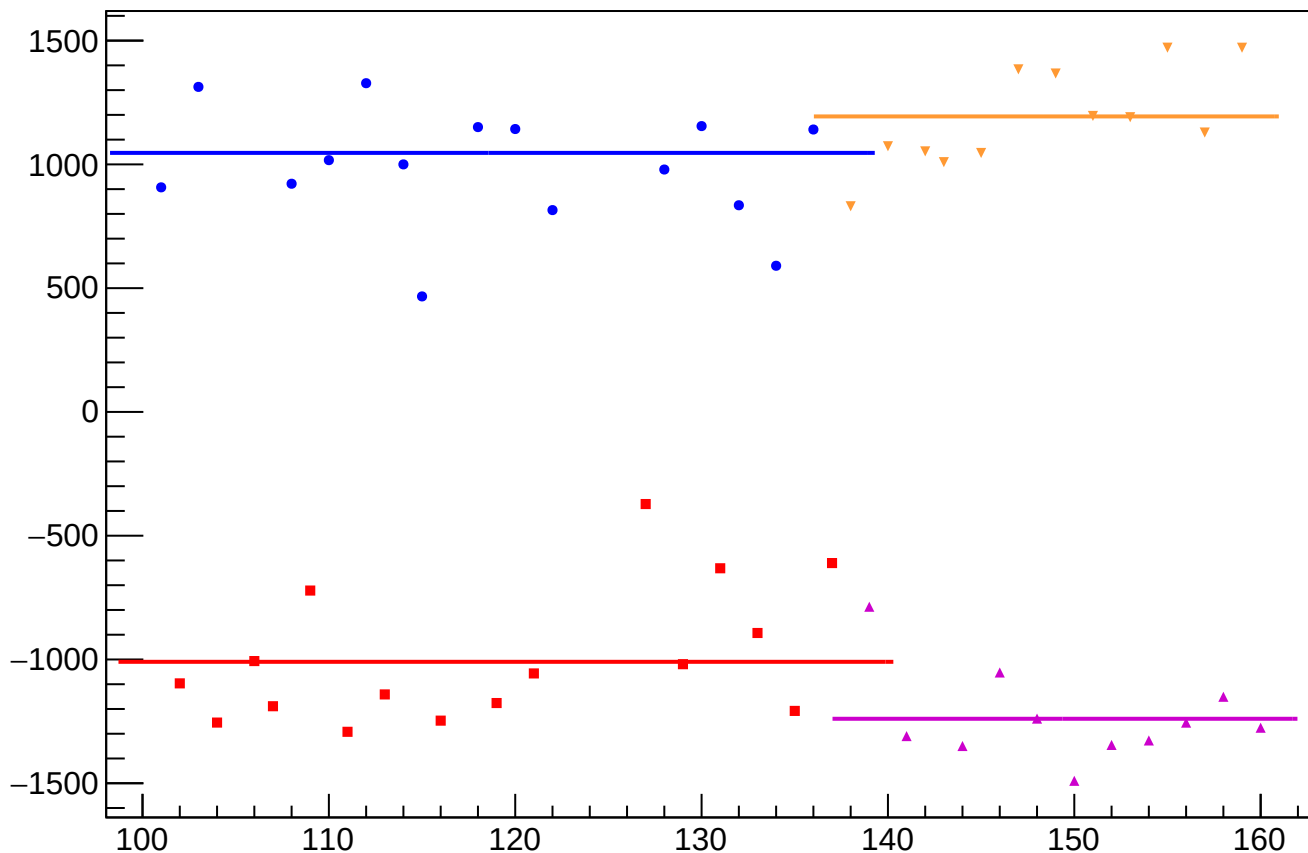
Right In: 2881.935+/-0.000 χ^2/NDF : 1320319391496525533692082365878834823168.0/14
 Left Out: 5919.511+/-0.000 χ^2/NDF : 2779072700024845827027981240176985767936.0/11
 Right Out: -2656.918+/-0.000 χ^2/NDF : 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681+/-0.000 χ^2/NDF : 940619832290547661204641528694924378112.0/10
 All: -166.093+/-0.000 χ^2/NDF : 87540894065

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



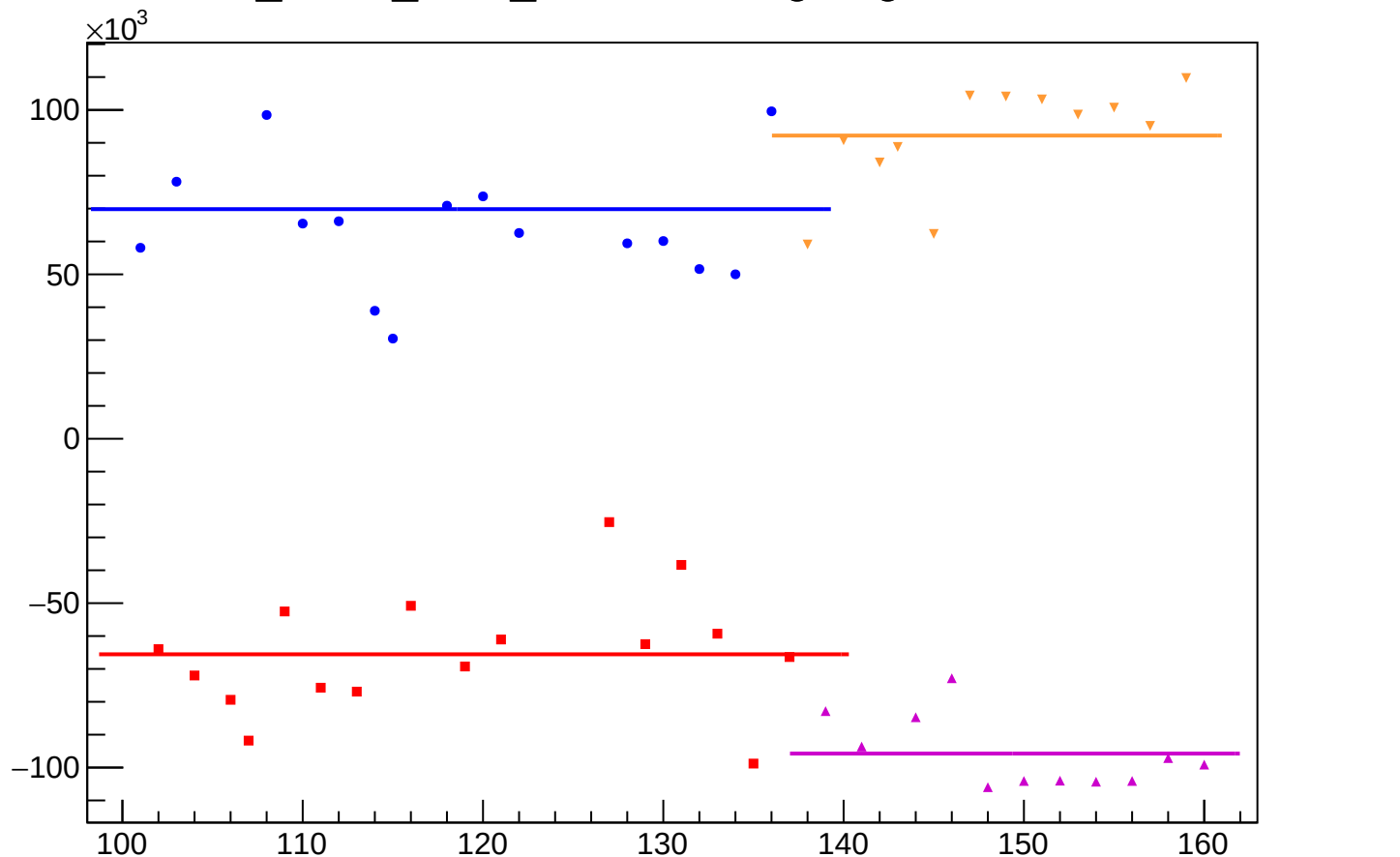
Right In: 138.577 $\pm$ 0.000 χ^2 /NDF: 4242369889979811373883774021335515136.0/14
 Left Out: 119.282 $\pm$ 0.000 χ^2 /NDF: 487845779395217879153815293985292288.0/11
 Right Out: -135.809 $\pm$ 0.000 χ^2 /NDF: 3956401741862524263243160868173643776.0/15
 Left In: -134.785 $\pm$ 0.000 χ^2 /NDF: 689808602632315539029860685392642048.0/10
 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

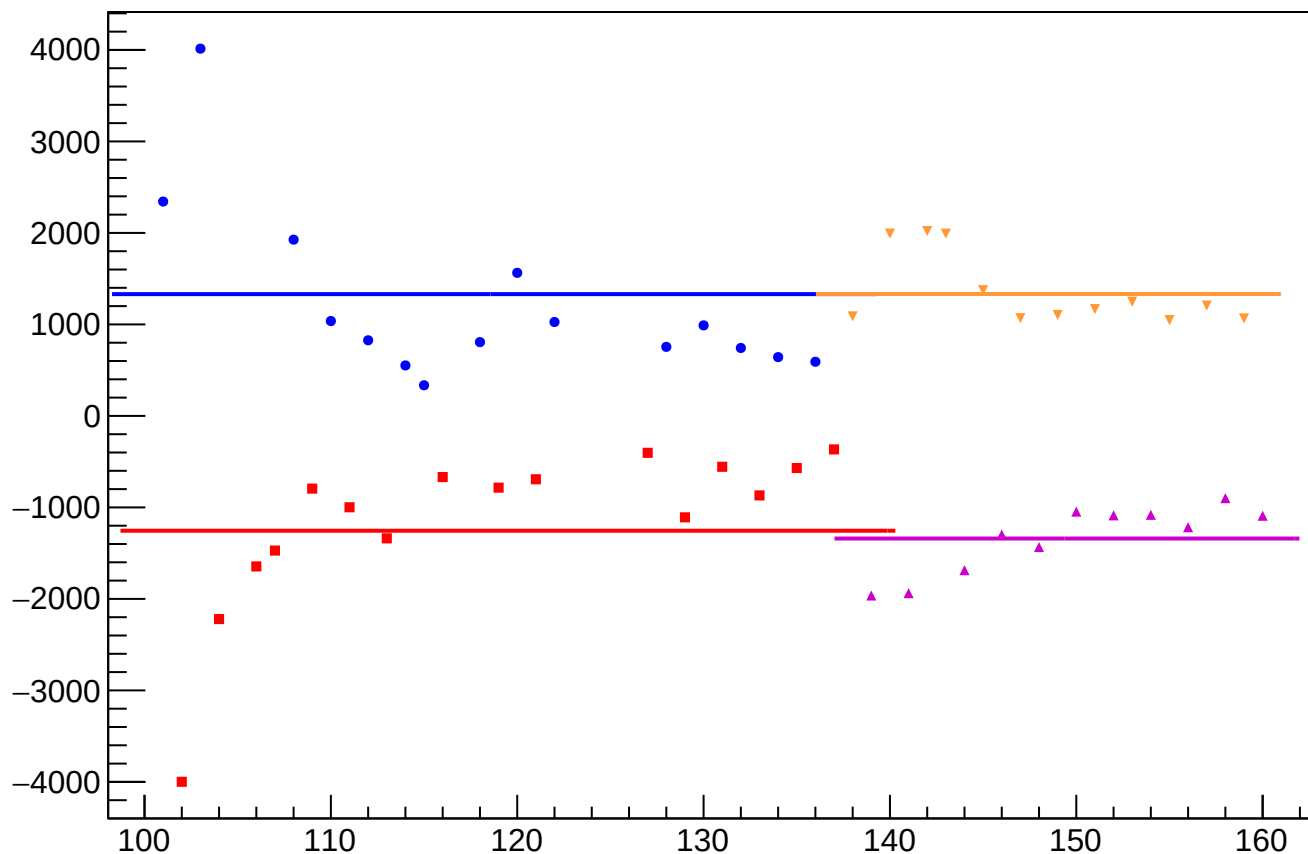
χ^2/NDF : 212001467811386750910625783195999741673472.0/15

Left In: -95749.411 ± 0.000

χ^2/NDF : 102376761881530271427340284738693826084864.0/10

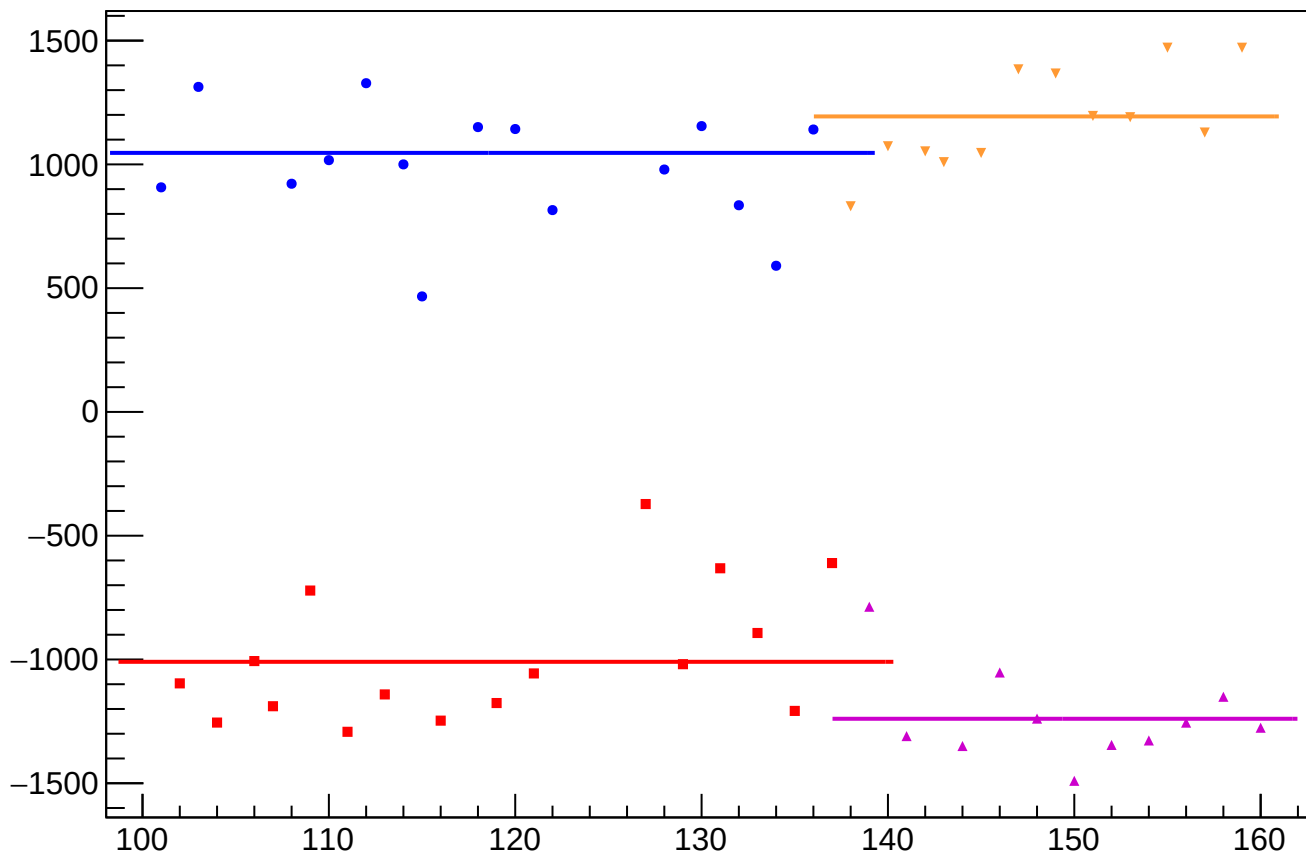
All: -824.008 ± 0.000 χ^2/NDF : 23000264296

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



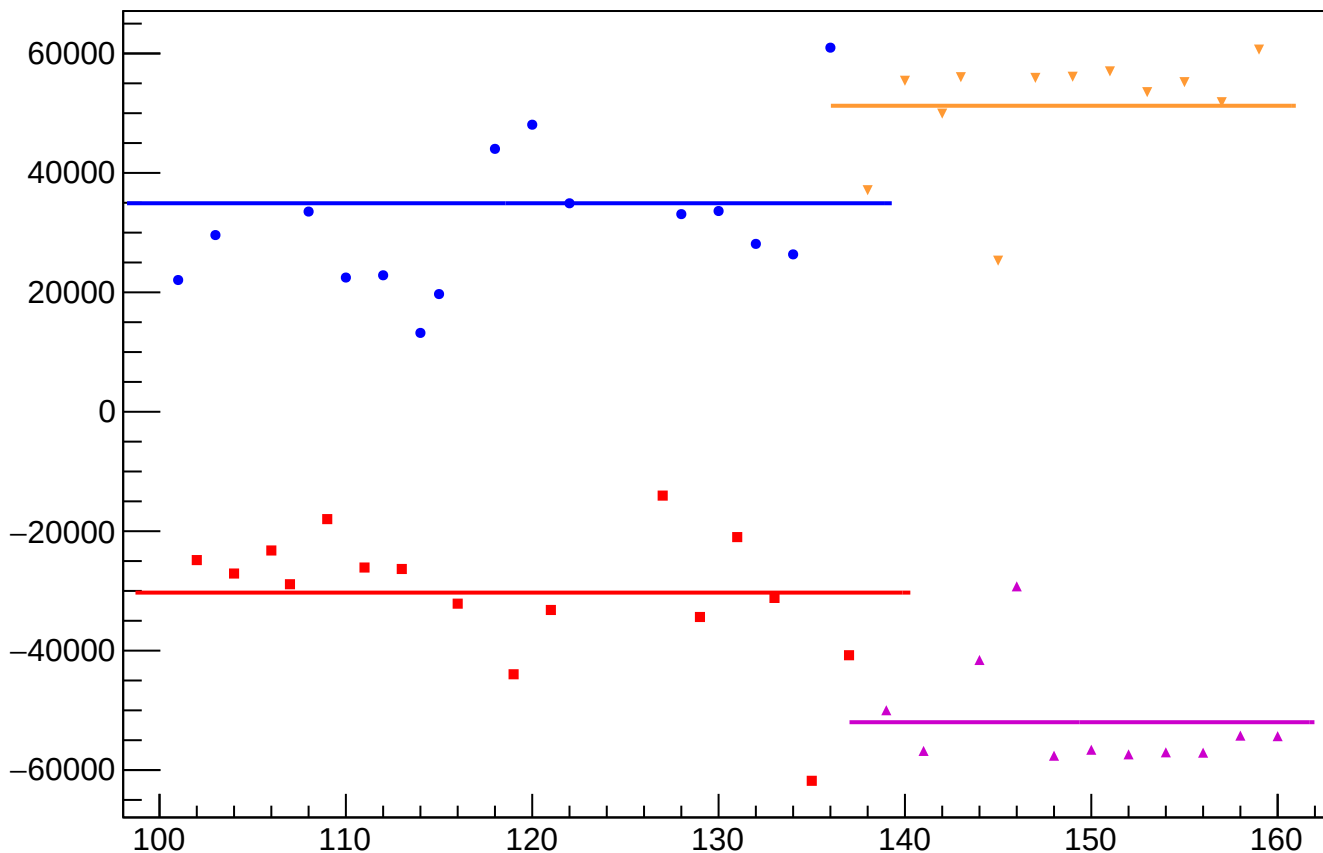
Right In: 1330.956+/-0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Left Out: 1332.669+/-0.000 χ^2/NDF : 117488793251165999850417206895273050112.0/11
 Right Out: -1254.871+/-0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Left In: -1340.185+/-0.000 χ^2/NDF : 114204911168201277023830767366477709312.0/10
 All: 2.067+/-0.000 χ^2/NDF : 69961590530550

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



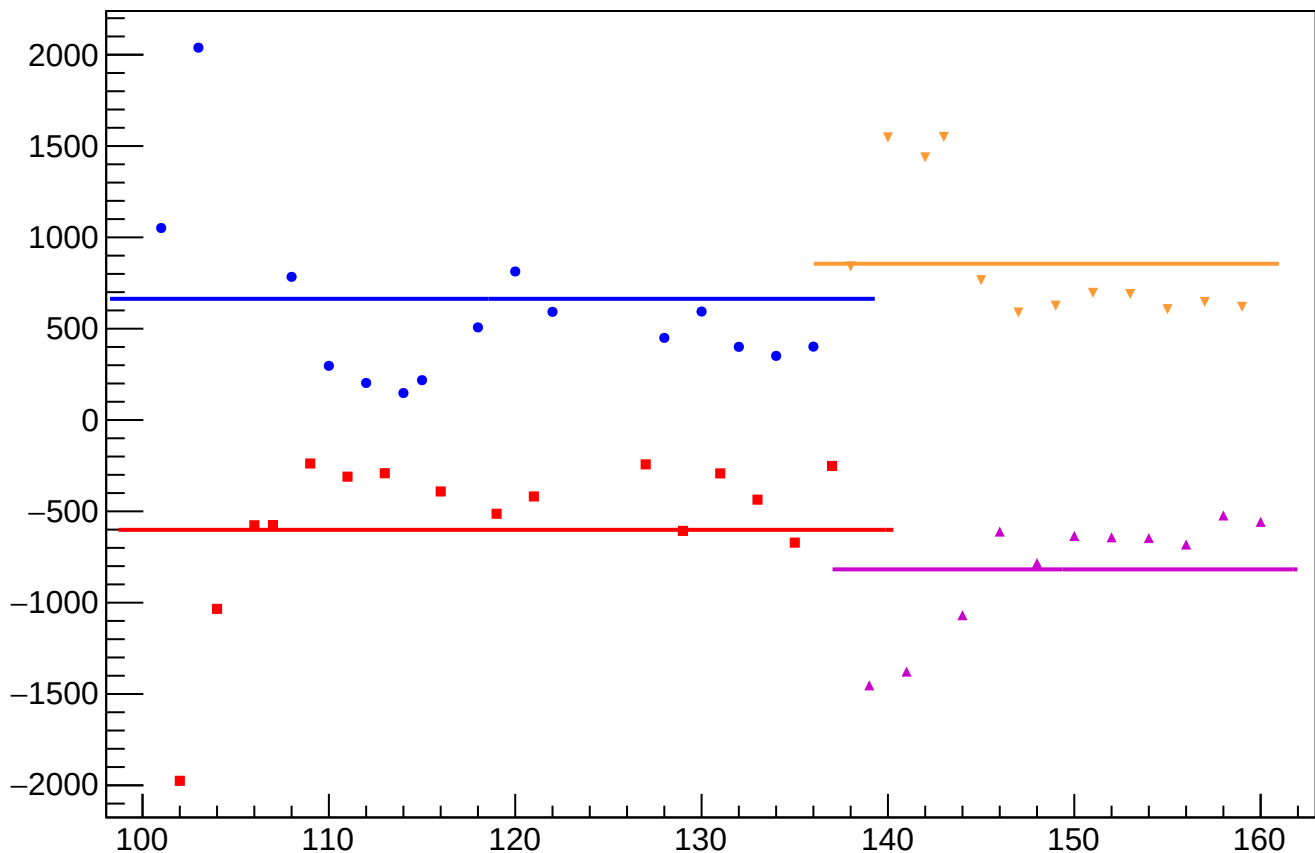
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam3_coil1_mean vs Slug, Sign Corrected



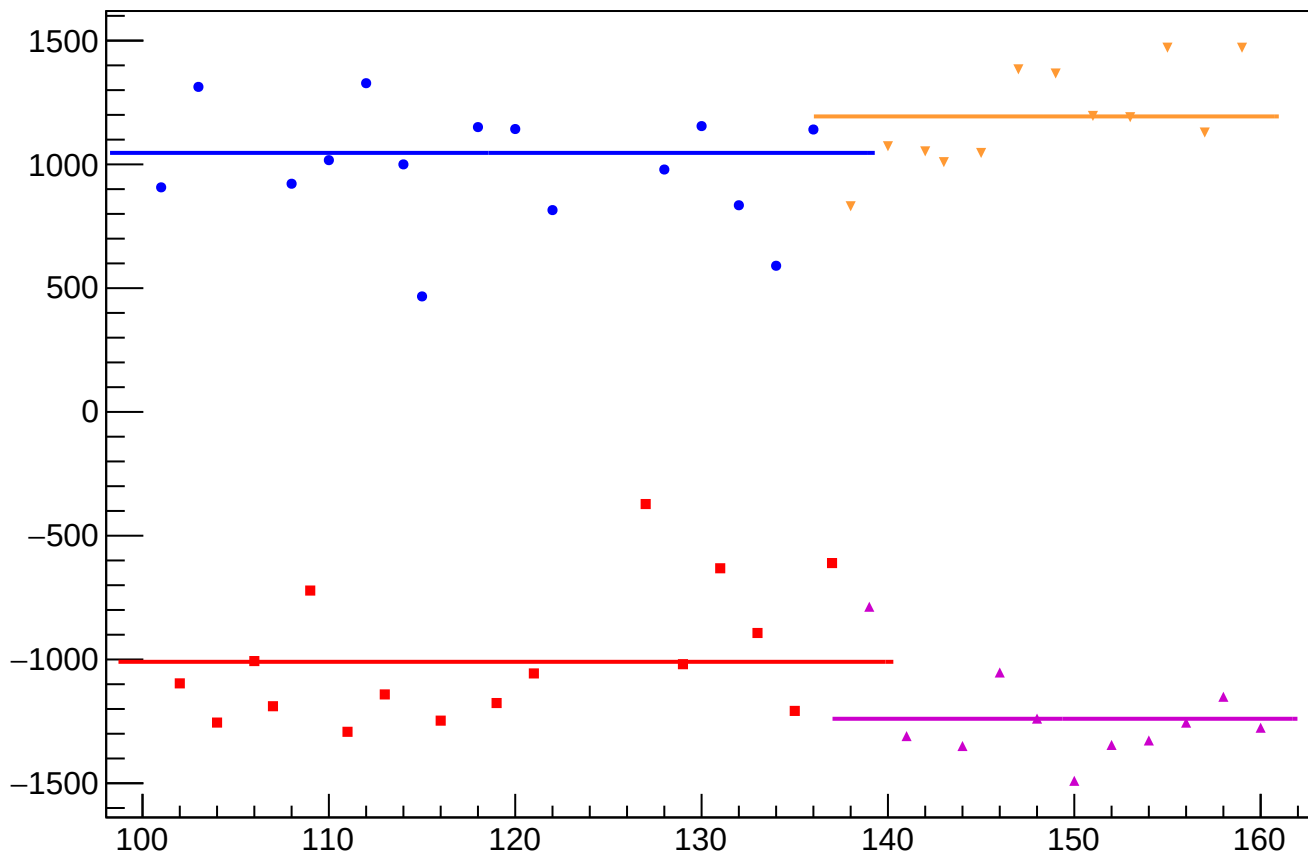
Right In: 34919.716+/-0.000 χ^2/NDF : 106387385440718622155122541848729997017088.0/14
 Left Out: 51246.568+/-0.000 χ^2/NDF : 86168540614102445062046954668602534395904.0/11
 Right Out: -30282.373+/-0.000 χ^2/NDF : 88346165266593126627598951693506073067520.0/15
 Left In: -51985.374+/-0.000 χ^2/NDF : 67172587579518863379504132116294676774912.0/10
 All: 402.483+/-0.000 χ^2/NDF : 664804674092

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



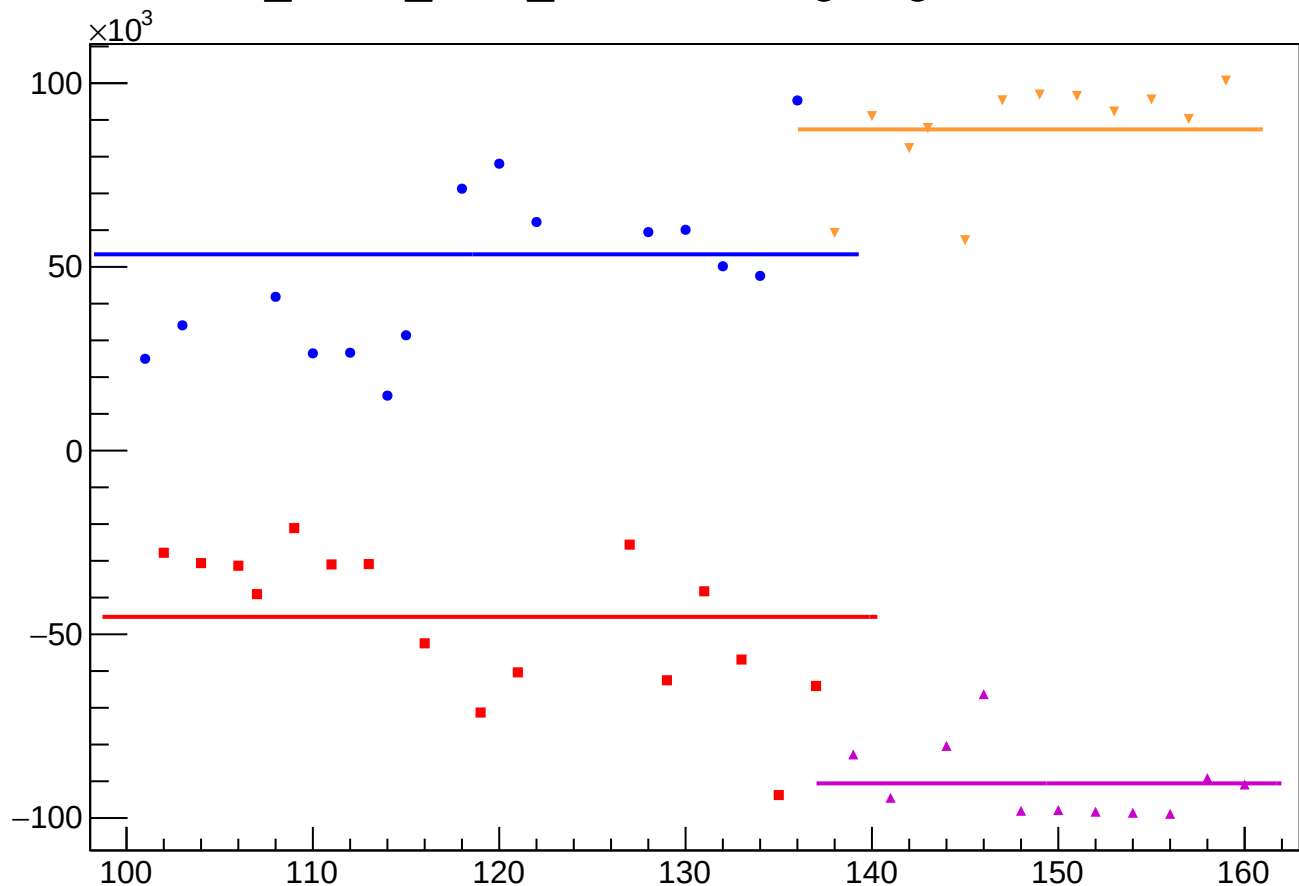
Right In: 663.574 ± 0.000 $\chi^2/\text{NDF}: 157691812872720822886914966597312446464.0/14$
 Left Out: 855.627 ± 0.000 $\chi^2/\text{NDF}: 114895226746628689144721696446463606784.0/11$
 Right Out: -601.216 ± 0.000 $\chi^2/\text{NDF}: 149717884331889332339995334350831878144.0/15$
 Left In: -817.657 ± 0.000 $\chi^2/\text{NDF}: 90429548723715663326805299076811194368.0/10$
 All: 17.811 ± 0.000 $\chi^2/\text{NDF}: 2325491183866$

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



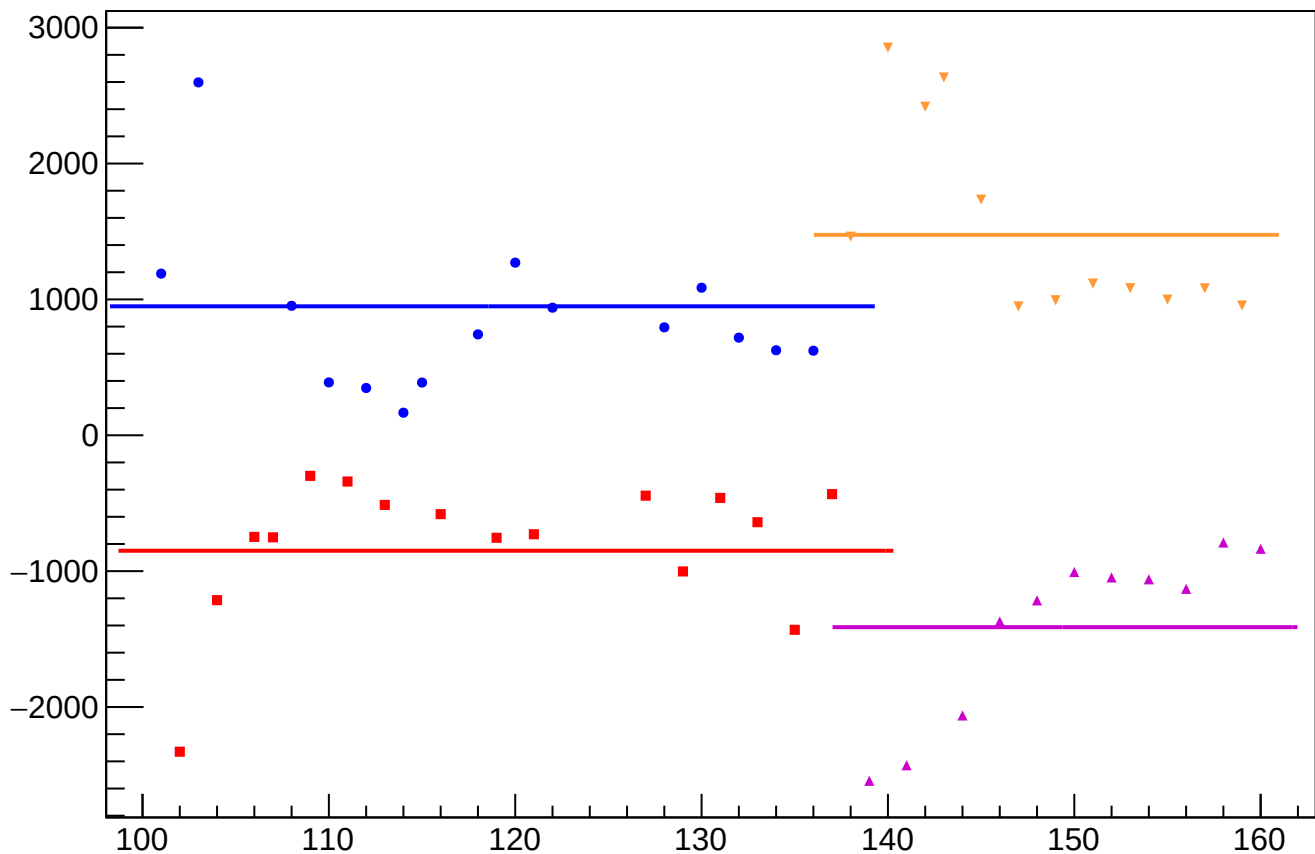
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 53422.452+/-0.000 χ^2/NDF : 360635757315133800133751123167777346551808.0/14
 Left Out: 87421.965+/-0.000 χ^2/NDF : 176009447933973172298765808269588074332160.0/11
 Right Out: -45247.617+/-0.000 χ^2/NDF : 286060196488034430215784613374055547928576.0/15
 Left In: -90573.760+/-0.000 χ^2/NDF : 90574081394354221593949262312406685581312.0/10
 All: 223.377+/-0.000 χ^2/NDF : 186963897473

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 949.197+/-0.000

χ^2/NDF : 225691032183153732733308094067658194944.0/14

Left Out: 1474.996+/-0.000

χ^2/NDF : 407776279141254062636078508853738602496.0/11

Right Out: -849.827+/-0.000

χ^2/NDF : 204622224261577247702227312745197338624.0/15

Left In: -1412.186+/-0.000

χ^2/NDF : 332529390934897118157875972661756035072.0/10

Left: 23.551+/-0.000 χ^2/NDF : 45705013574232363

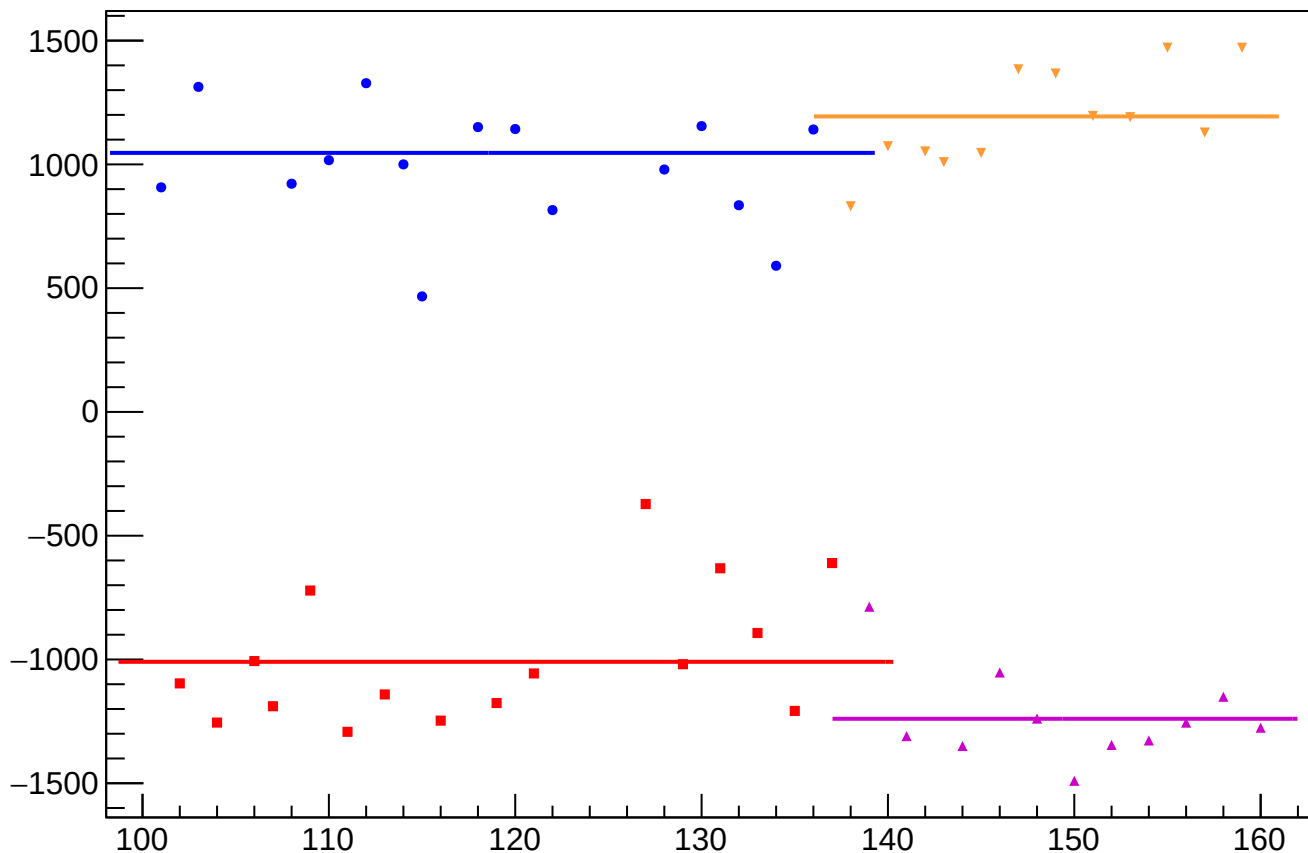
Right: 37.382+/-0.000 χ^2/NDF : 1494917928354426

In: -437.909+/-0.000 χ^2/NDF : 2684013086565036

Out: 494.188+/-0.000 χ^2/NDF : 2696503915470133

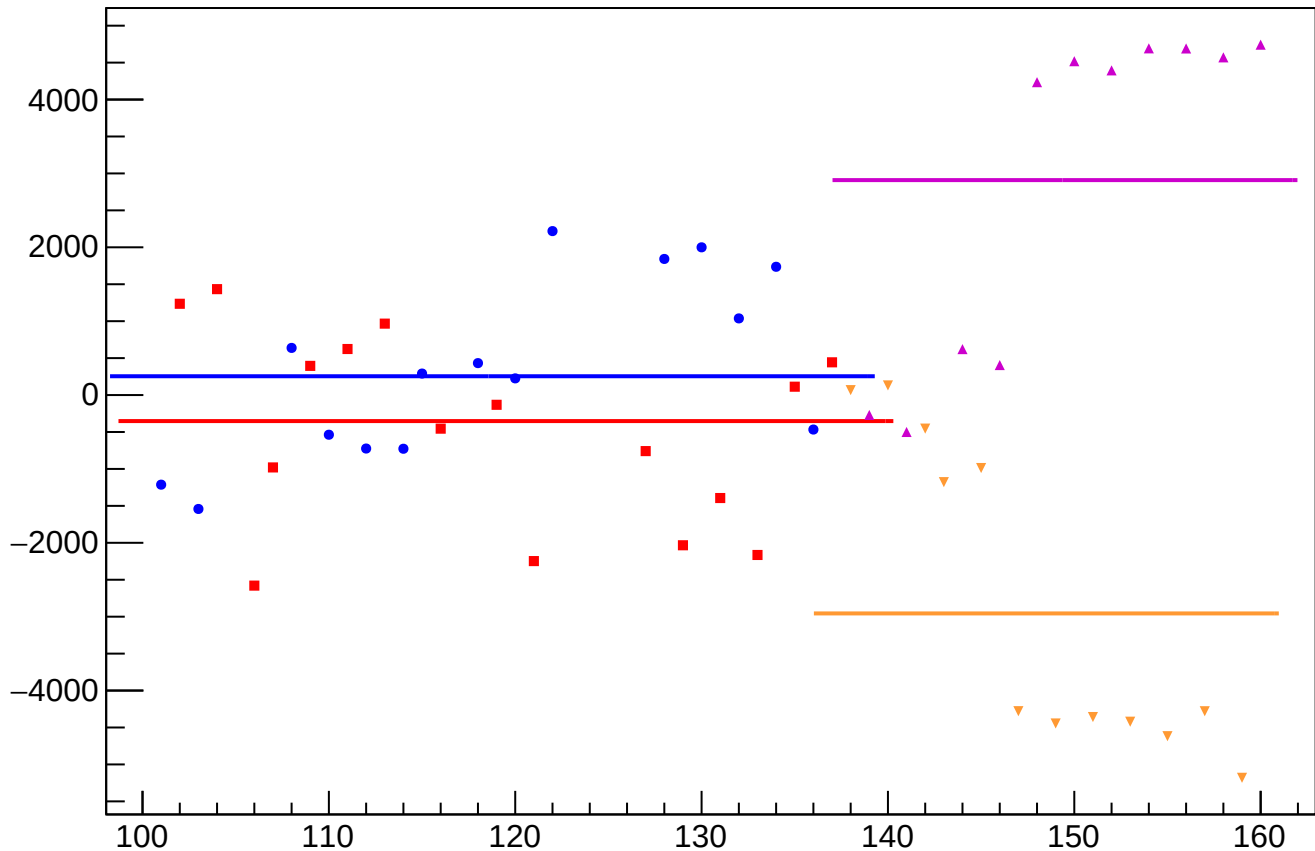
All: 29.322+/-0.000 χ^2/NDF : 6065565997163

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



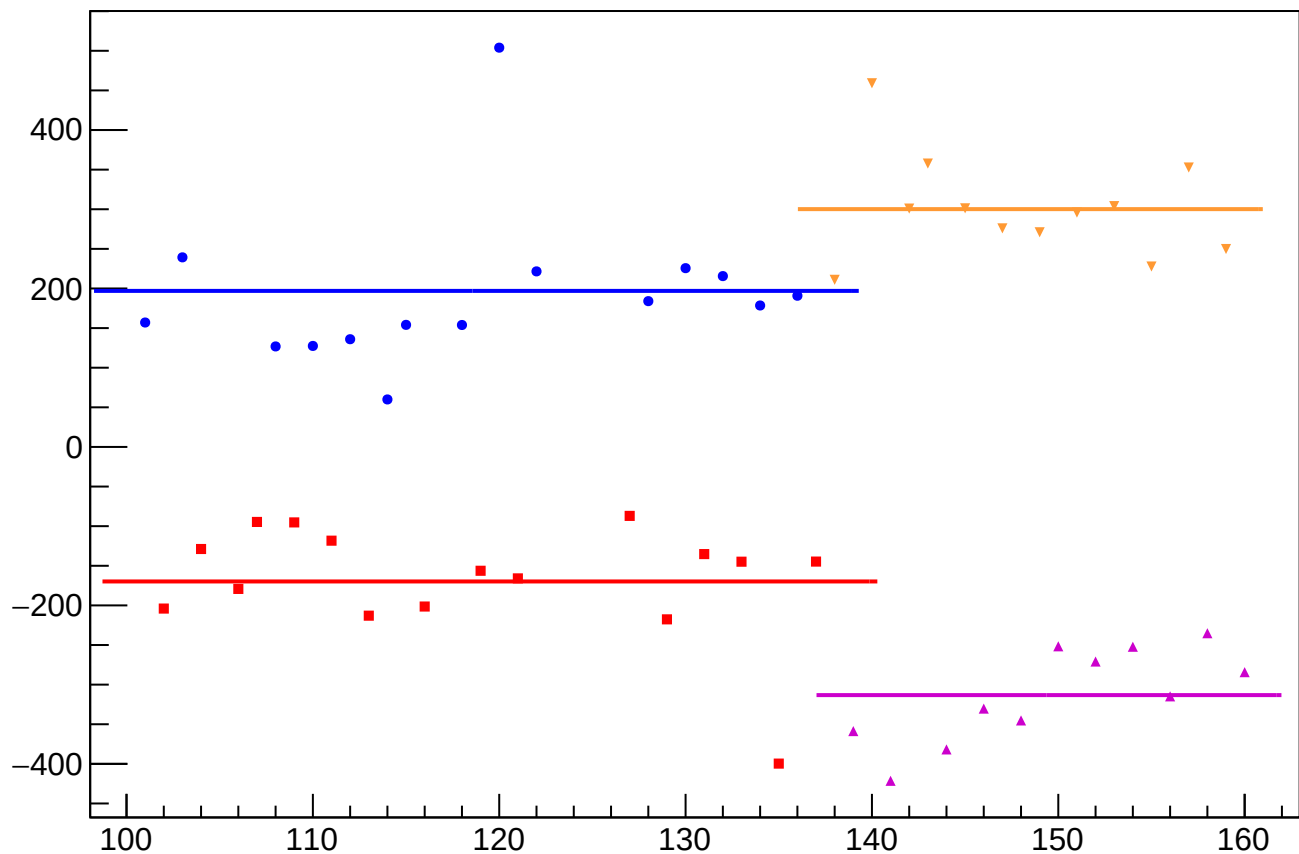
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam5_coil1_mean vs Slug, Sign Corrected



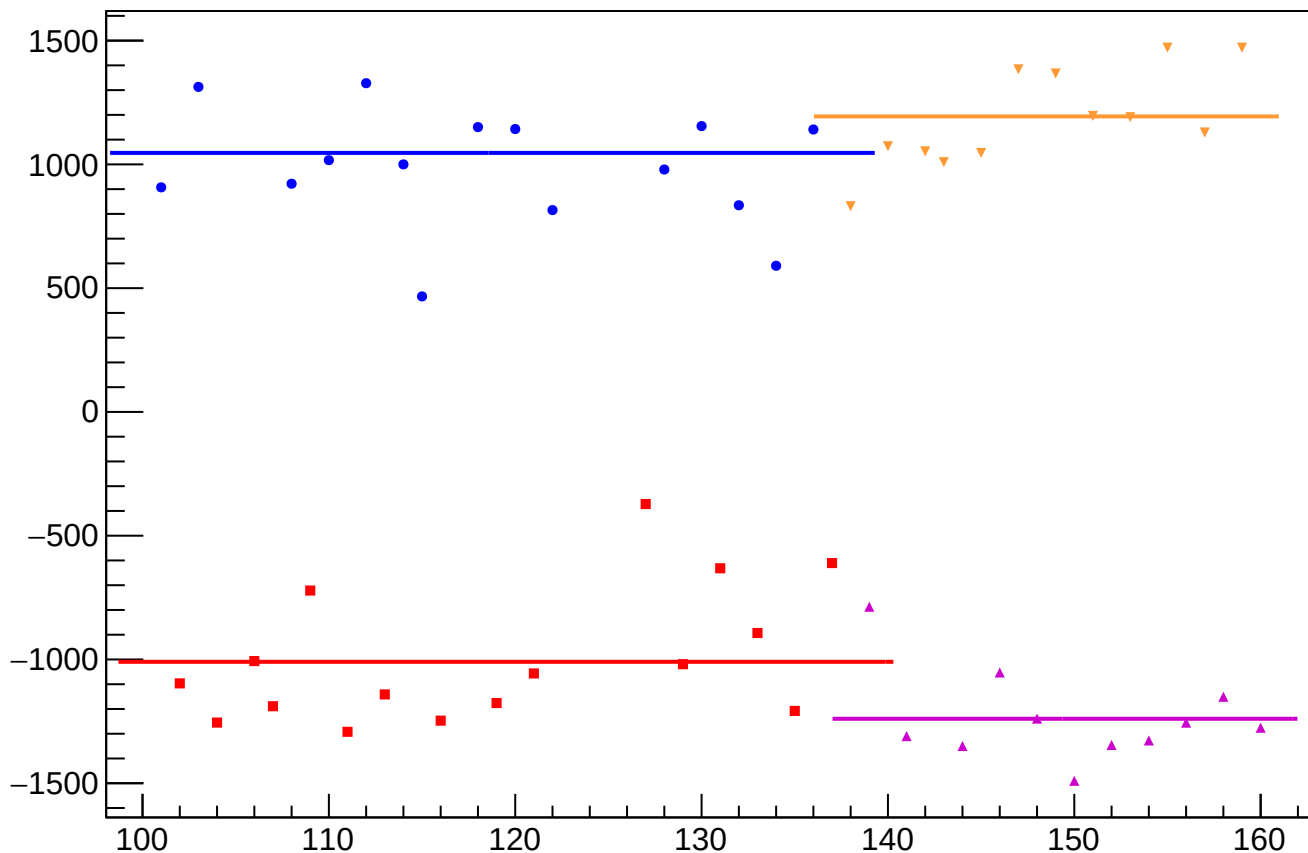
Left: -7.270 ± 0.000 $\chi^2/\text{NDF}: 23893577266149002$
 Right In: 254.578 ± 0.000 $\chi^2/\text{NDF}: 978402113531006640741569223967249530880.0/14$
 Right: -53.015 ± 0.000 $\chi^2/\text{NDF}: 220036732540735$
 Left Out: -2955.997 ± 0.000 $\chi^2/\text{NDF}: 3707818280907677847342876591435129290752.0/11$
 In: 1814.139 ± 0.000 $\chi^2/\text{NDF}: 8042963130029704$
 Right Out: -352.308 ± 0.000 $\chi^2/\text{NDF}: 1100813647101508513447529068154010468352.0/15$
 Out: -1857.540 ± 0.000 $\chi^2/\text{NDF}: 74227087248686$
 Left In: 2909.545 ± 0.000 $\chi^2/\text{NDF}: 4377323512278558404902073126276443406336.0/10$
 All: -26.357 ± 0.000 $\chi^2/\text{NDF}: 260955494544$

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



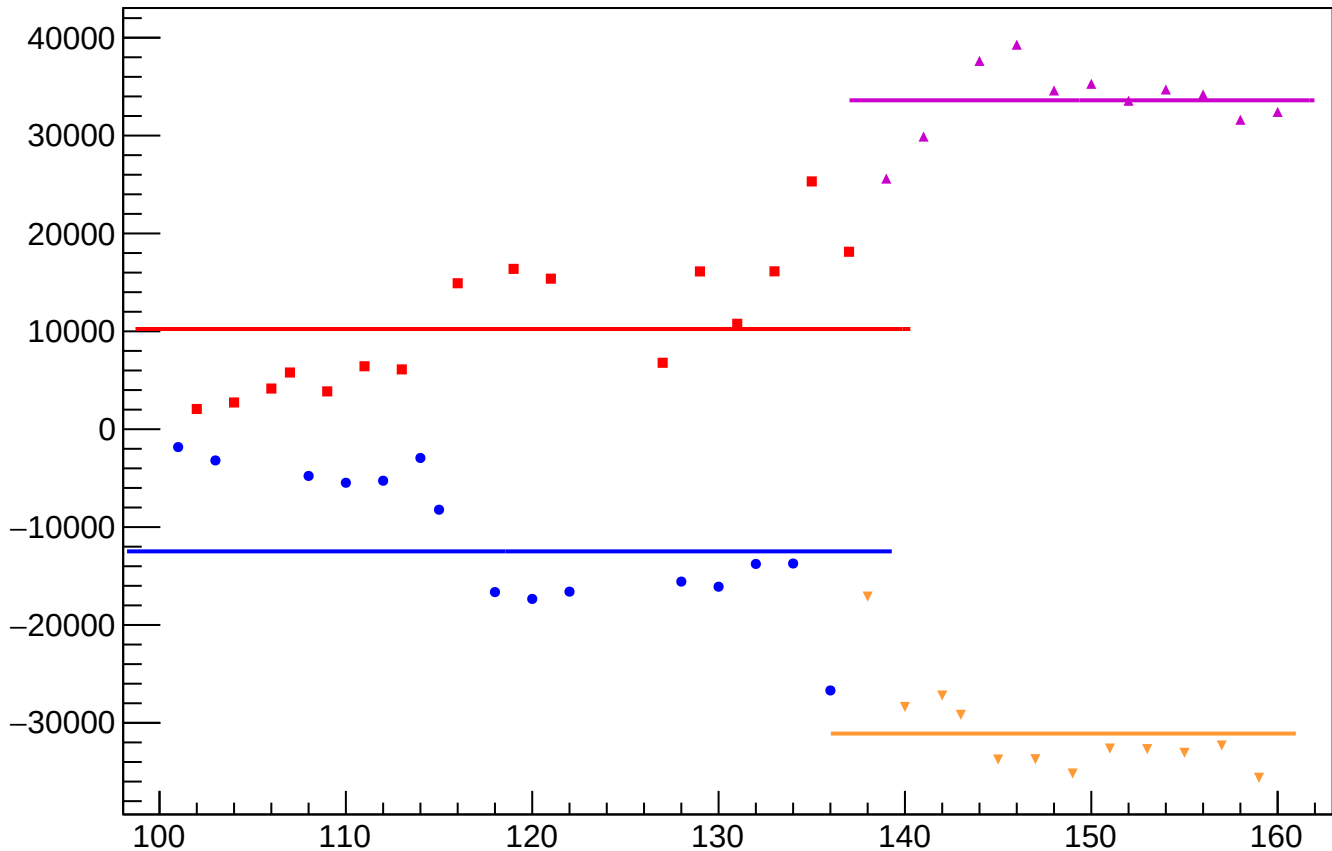
Right In: 196.955 ± 0.000 $\chi^2/\text{NDF}: 4485245160329657914621372425838788608.0/14$
 Left Out: 300.154 ± 0.000 $\chi^2/\text{NDF}: 3873021428685352941137053448690204672.0/11$
 Right Out: -169.778 ± 0.000 $\chi^2/\text{NDF}: 3892609445494845784493558646385410048.0/15$
 Left In: -313.228 ± 0.000 $\chi^2/\text{NDF}: 3079061701843560714774529768142405632.0/10$
 All: -0.159 ± 0.000 $\chi^2/\text{NDF}: 2327307530740$

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam6_coil1_mean vs Slug, Sign Corrected



Right In: -12479.653+/-0.000

Left Out: -31096.364+/-0.000

Right Out: 10238.098+/-0.000

Left In: 33603.125+/-0.000

χ^2/NDF : 41178633231253805317353333973475271901184.0/14

χ^2/NDF : 21759430970673179273891990313759368282112.0/11

χ^2/NDF : 31227861126159534031961501923223718068224.0/15

χ^2/NDF : 11377877741280377988076632069746943066112.0/10

Left: 1429.385+/-0.000 χ^2/NDF : 19565583595098

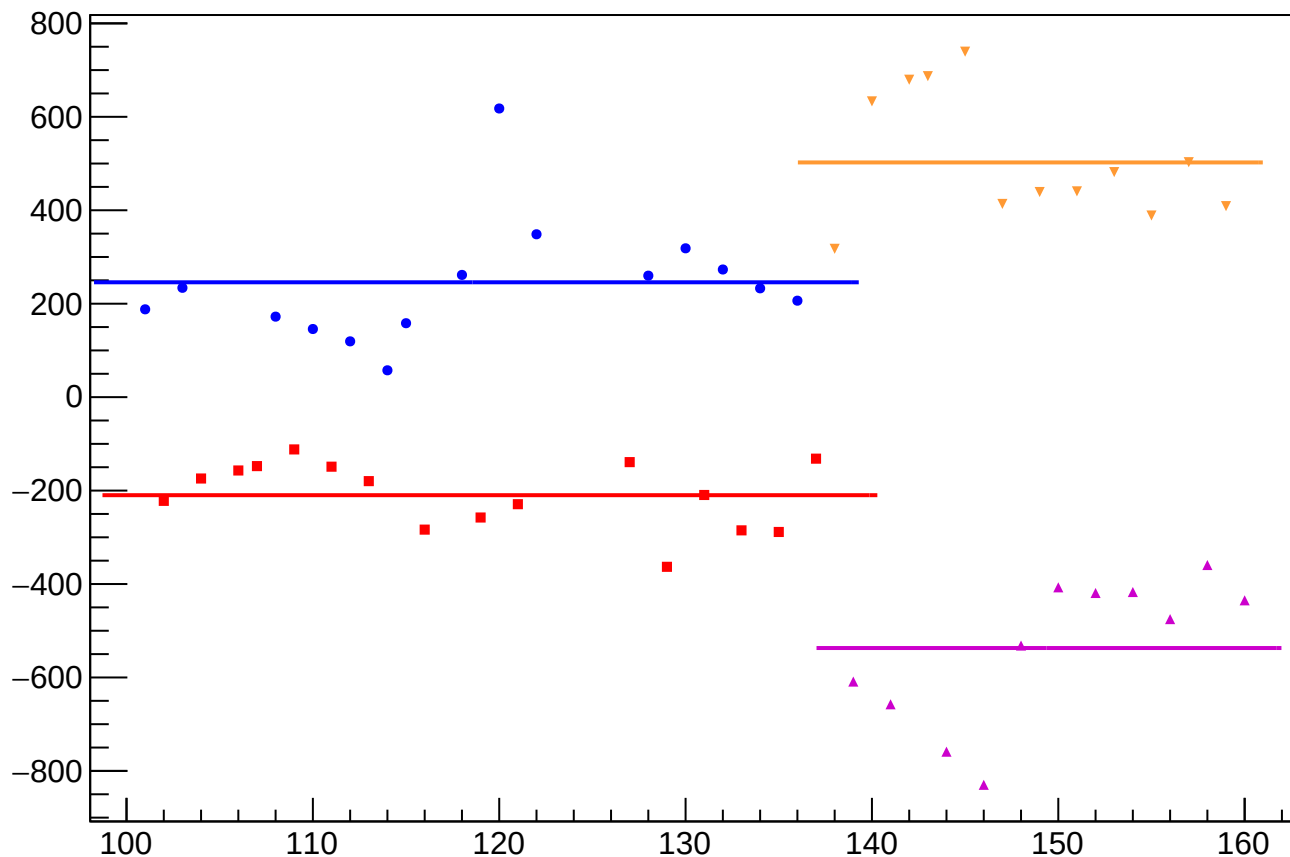
Right: -965.413+/-0.000 χ^2/NDF : 24217037814564

In: 14589.951+/-0.000 χ^2/NDF : 862146721459062

Out: -13657.980+/-0.000 χ^2/NDF : 7118042053110

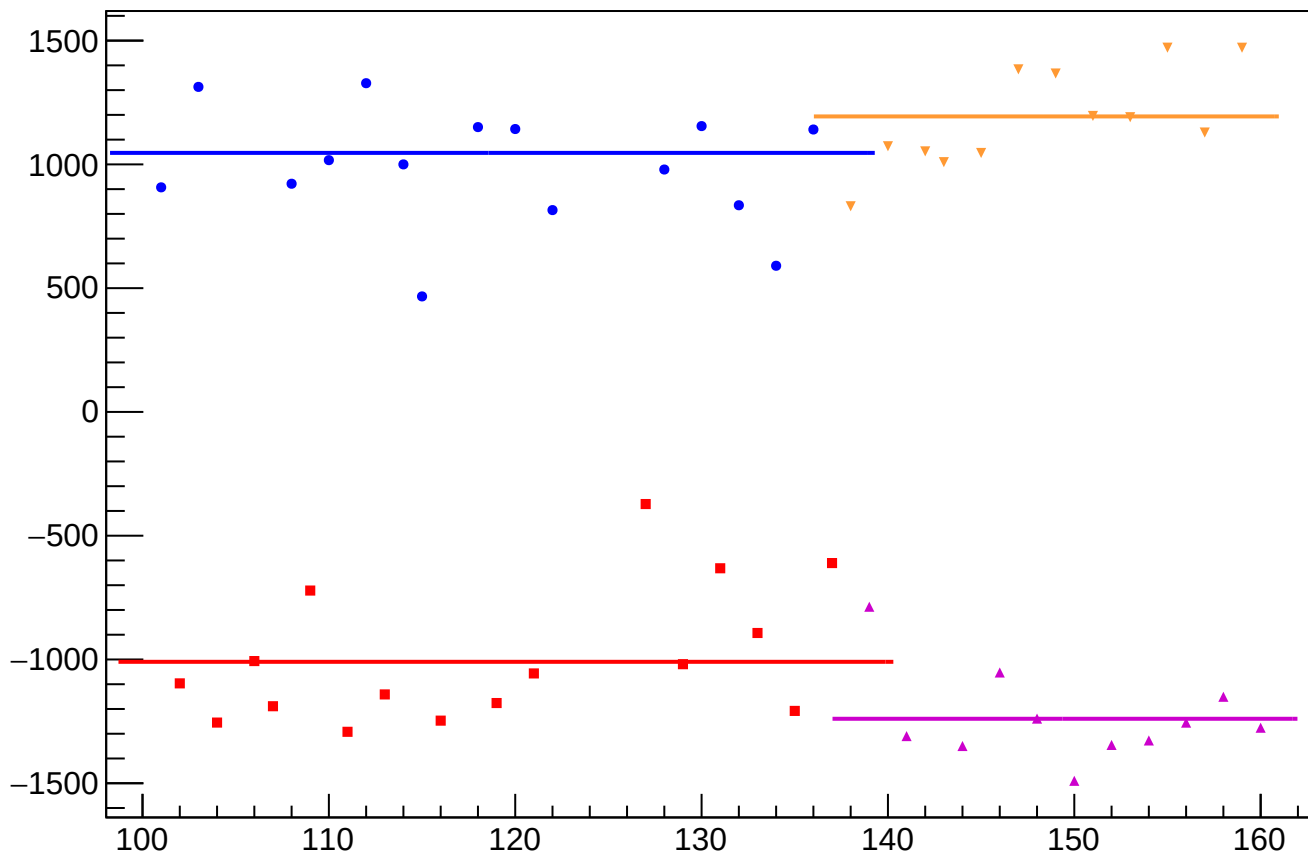
All: 430.161+/-0.000 χ^2/NDF : 220312696497

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



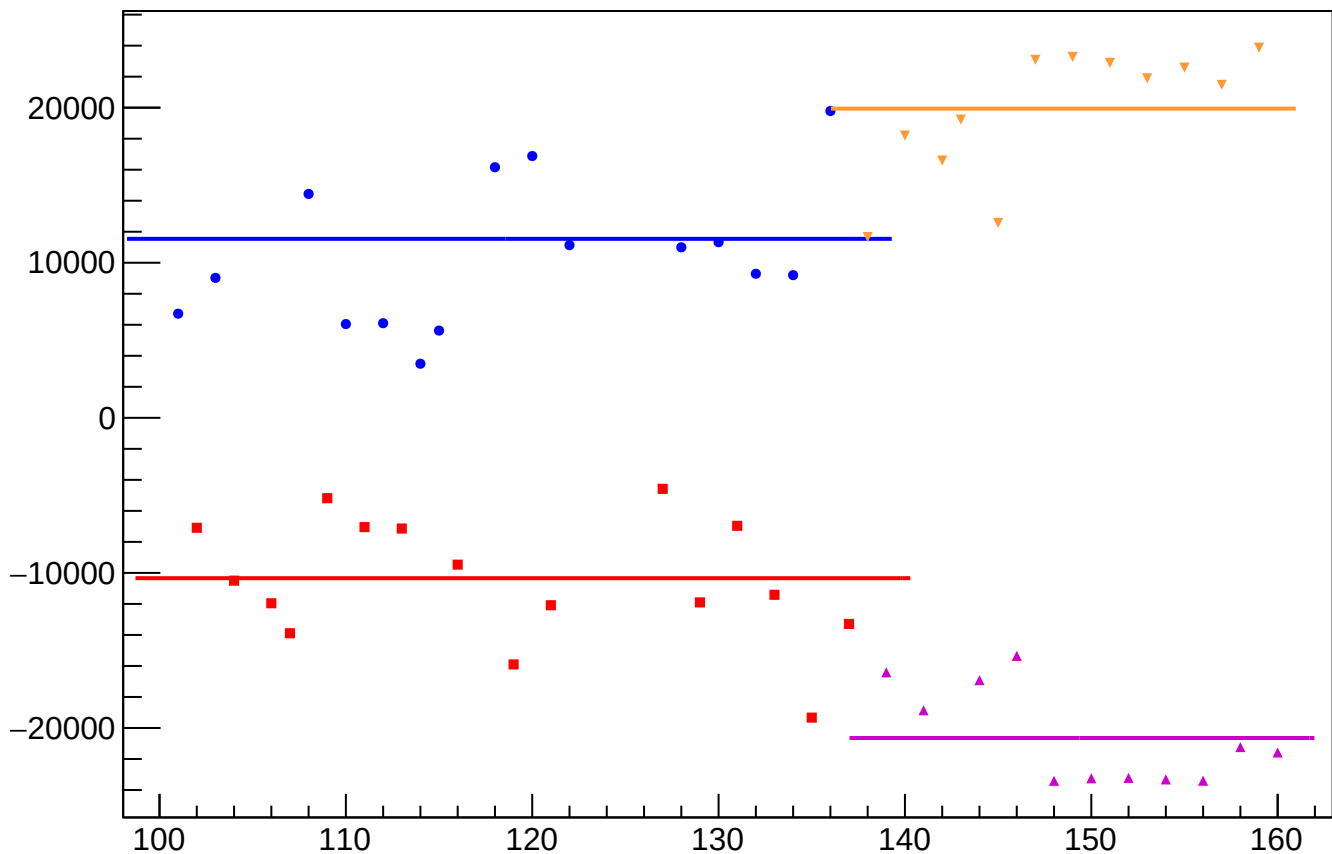
Right In: 245.832 $\pm$ 0.000 χ^2 /NDF: 7828269009300013139414476154059358208.0/14
 Left Out: 502.365 $\pm$ 0.000 χ^2 /NDF: 15191566092864942113763626663922368512.0/11
 Right Out: -209.844 $\pm$ 0.000 χ^2 /NDF: 3128489258838765241921217786024034304.0/15
 Left In: -536.975 $\pm$ 0.000 χ^2 /NDF: 20803022486400810956958367719555596288.0/10
 All: -5.524 $\pm$ 0.000 χ^2 /NDF: 6125424587177

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



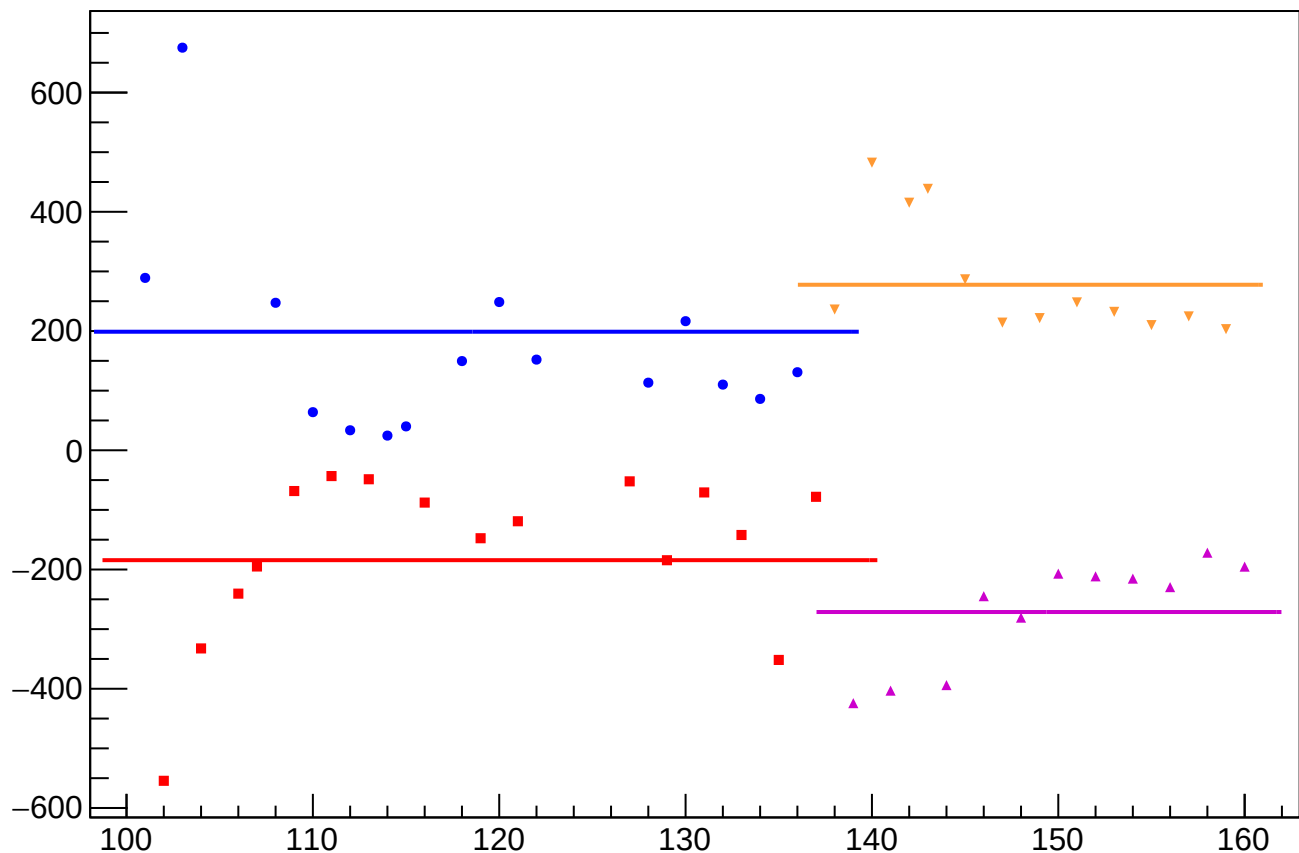
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 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

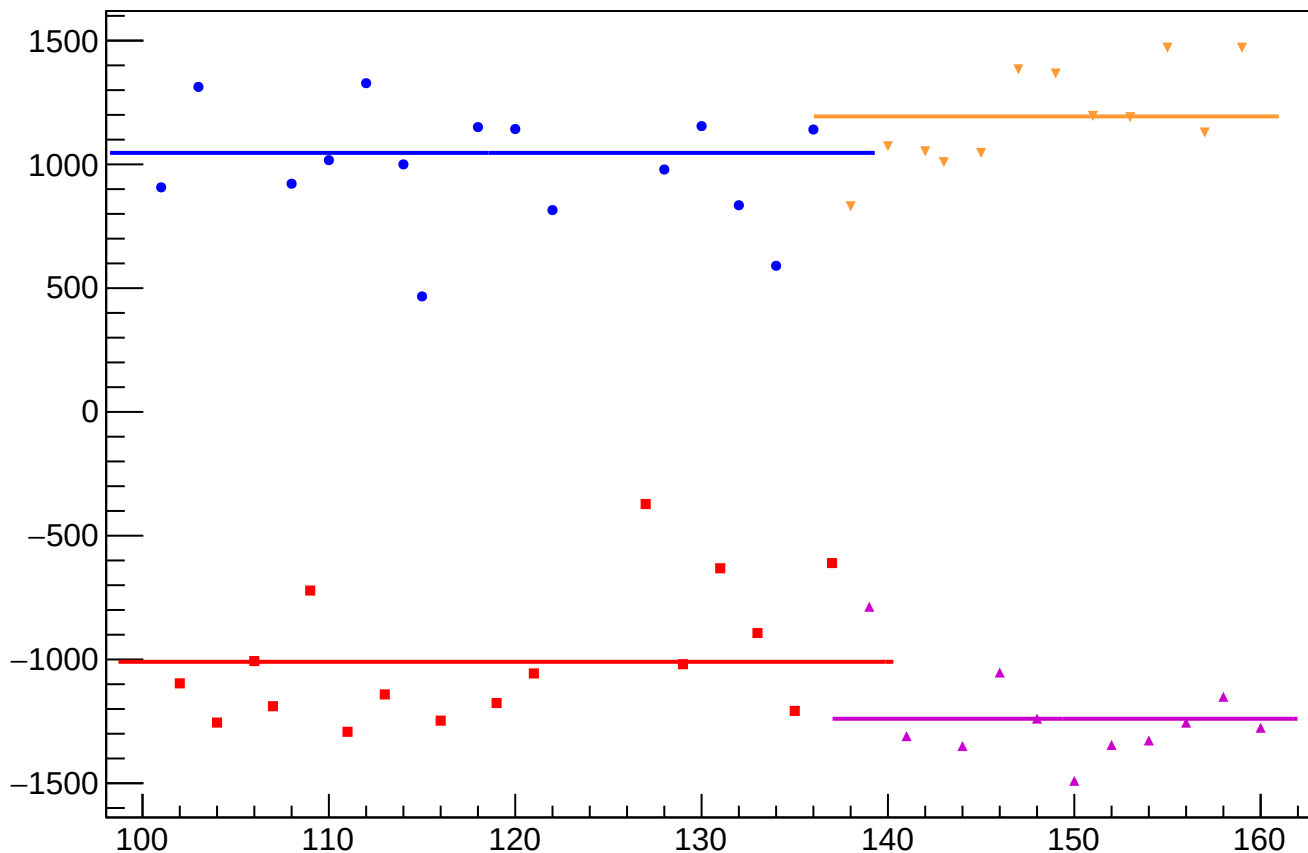
Right: 4.640+/-0.000 χ^2/NDF : 81558141576342570

In: -77.317+/-0.000 χ^2/NDF : 10971103033492192

Out: 82.741+/-0.000 χ^2/NDF : 10525855975351748

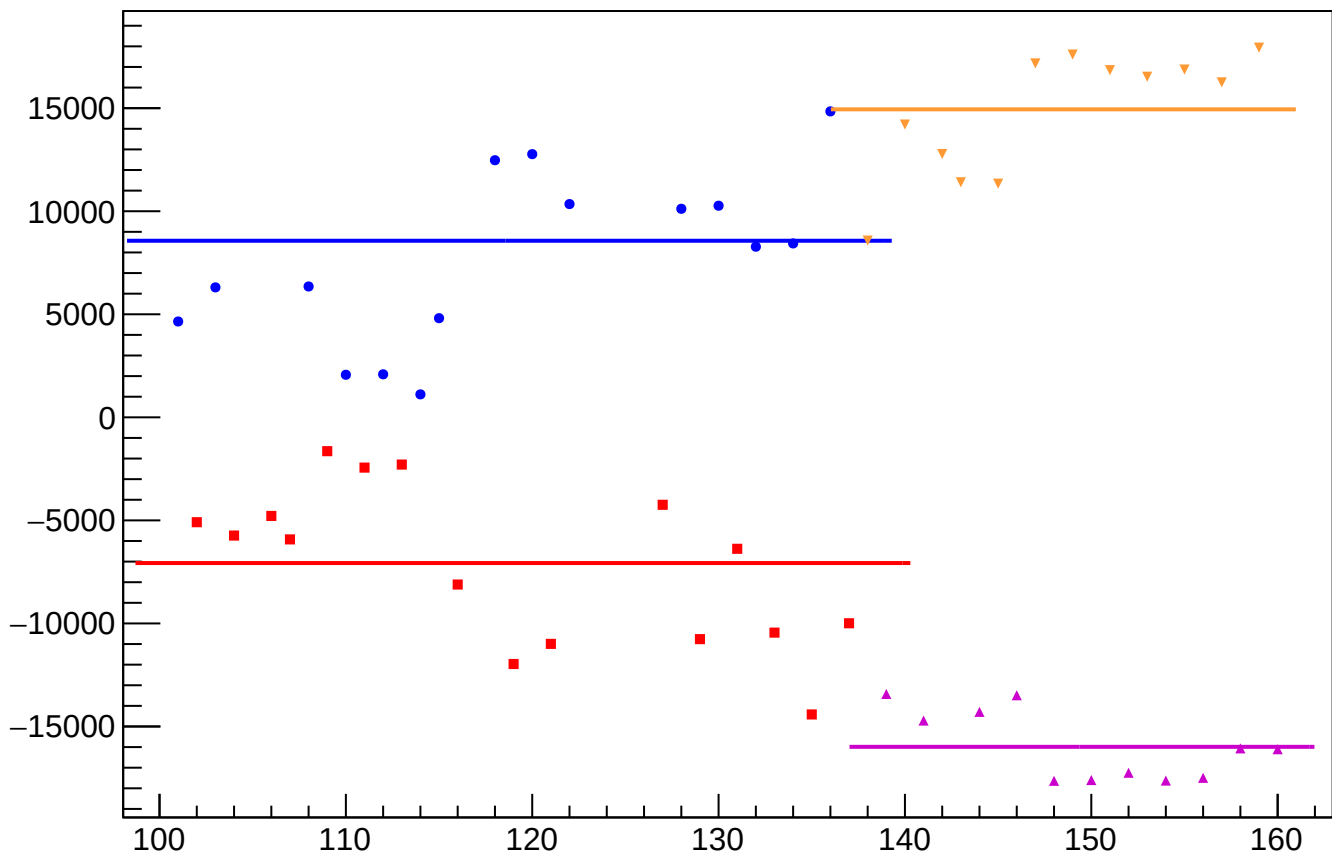
All: 2.915+/-0.000 χ^2/NDF : 2351696492796

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam8_coil1_mean vs Slug, Sign Corrected



Right In: 8567.784+/-0.000

χ^2/NDF : 11106048878972501366429055679645708451840.0/14

Left Out: 14943.560+/-0.000

χ^2/NDF : 7900539606524387386359998406585036570624.0/11

Right Out: -7069.884+/-0.000

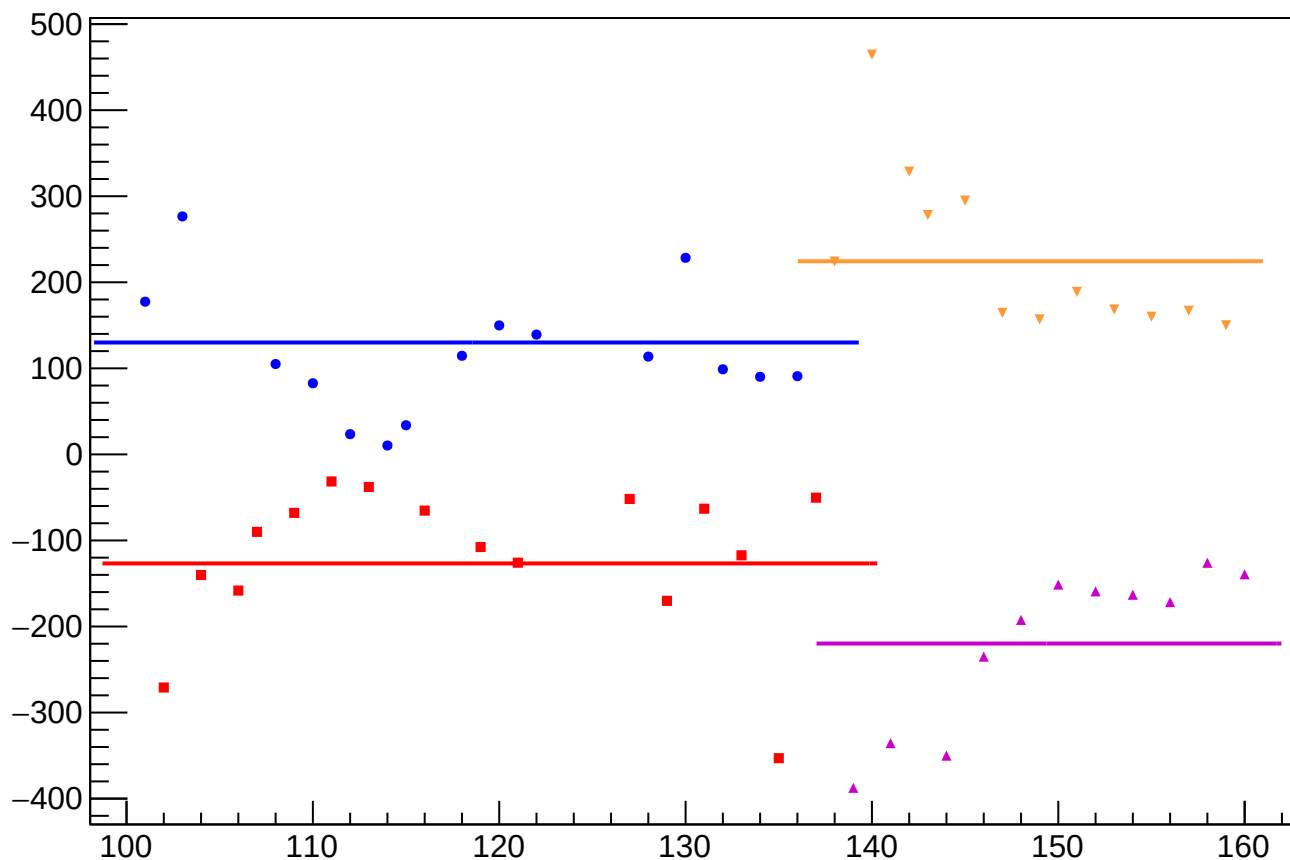
χ^2/NDF : 10076862363502652111378210539664387866624.0/15

Left In: -15987.436+/-0.000

χ^2/NDF : 2470393428254815728629083332629999124480.0/10

All: -85.320+/-0.000 χ^2/NDF : 552788797574

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021+/-0.000

χ^2/NDF : 3115259987552341725946418665378283520.0/14

Left Out: 224.458+/-0.000

χ^2/NDF : 7870394140048491055430374232164401152.0/11

Right Out: -126.709+/-0.000

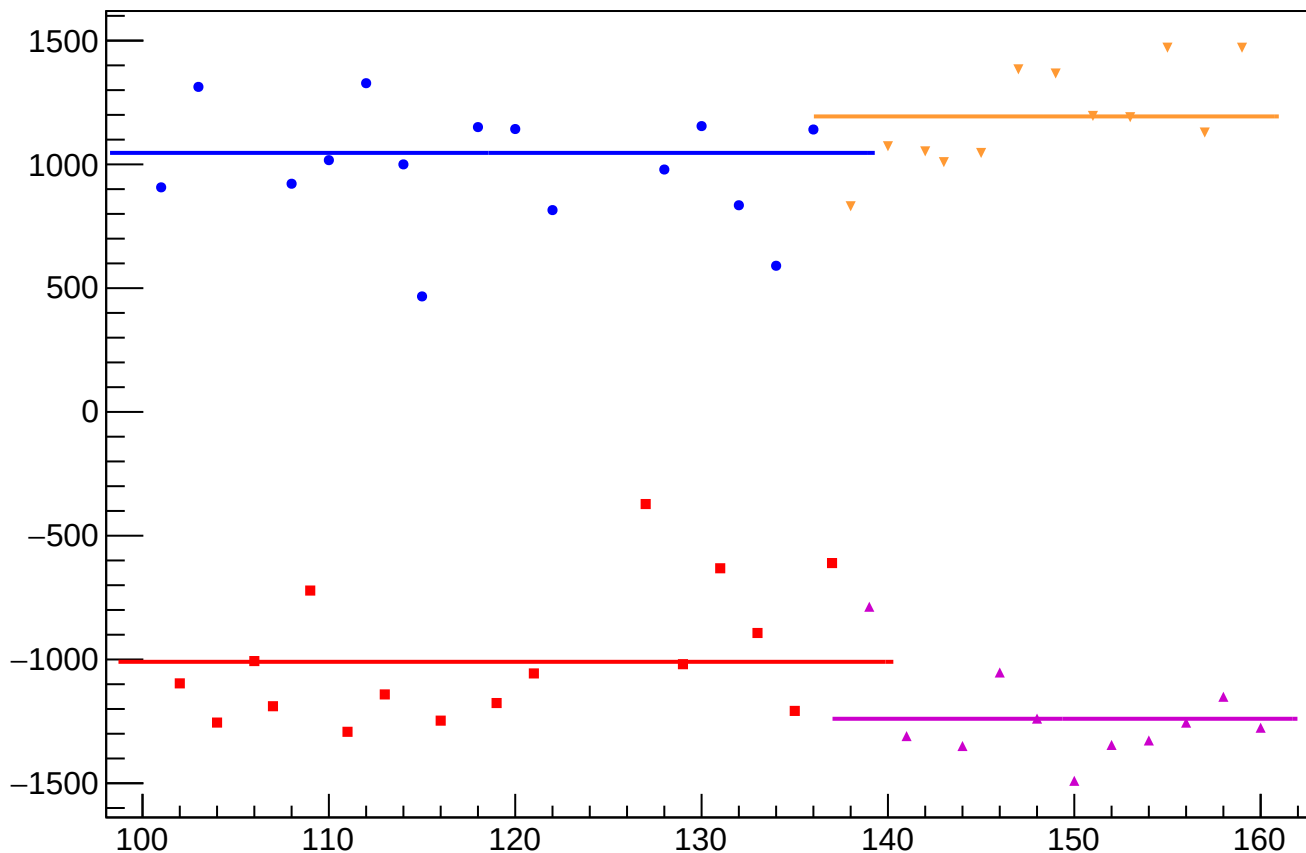
χ^2/NDF : 5397122581297664561308621600668516352.0/15

Left In: -219.787+/-0.000

χ^2/NDF : 7418609629454172879787970620999860224.0/10

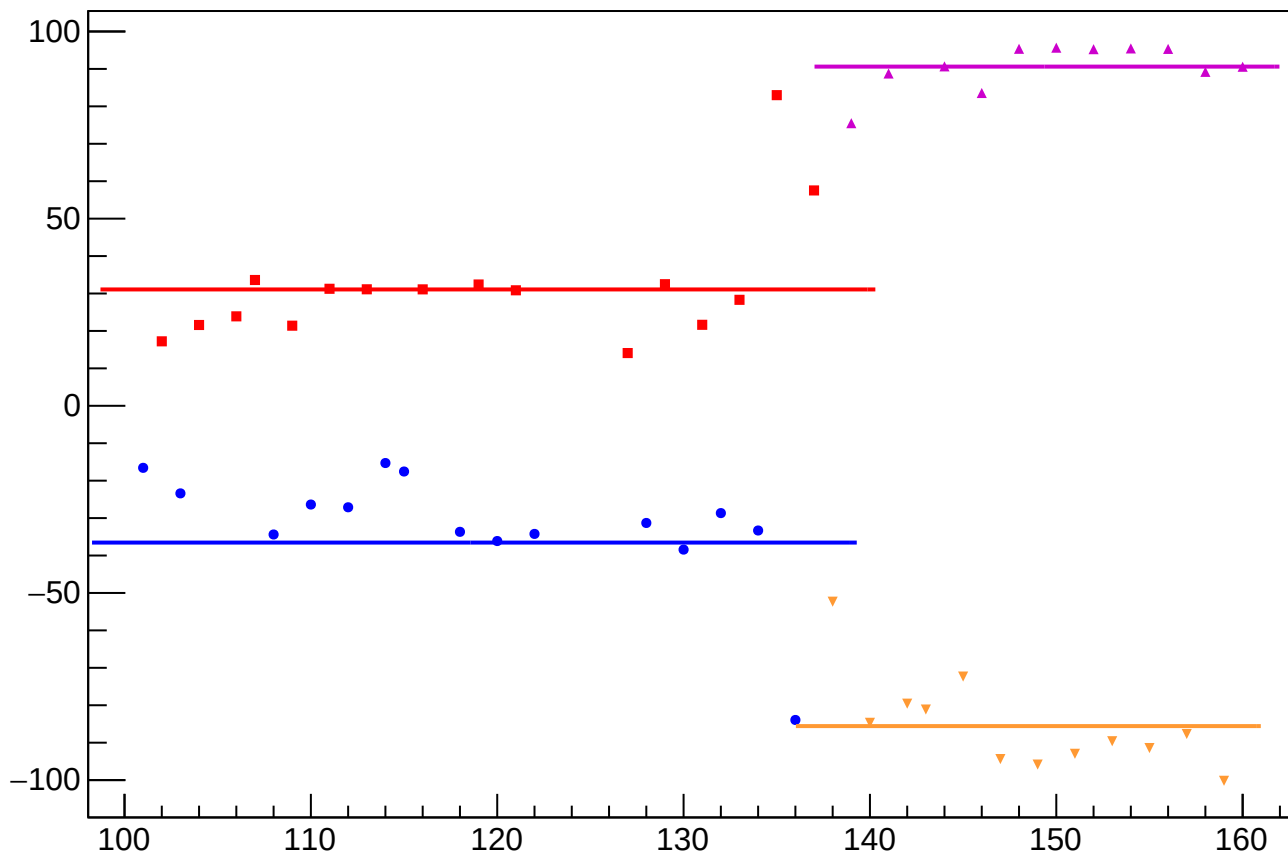
All: 0.615+/-0.000 χ^2/NDF : 1361639505758

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540 $\pm$ 0.000

Left Out: -85.570 $\pm$ 0.000

Right Out: 31.085 $\pm$ 0.000

Left In: 90.618 $\pm$ 0.000

χ^2 /NDF: 254351867861444609202637633864335360.0/14

χ^2 /NDF: 143557776257547990865591640732467200.0/11

χ^2 /NDF: 181291079119381636178408498876383232.0/15

χ^2 /NDF: 33089833083626408117297955498622976.0/10

Left: 3.003 $\pm$ 0.000 χ^2 /NDF: 144401853367529279

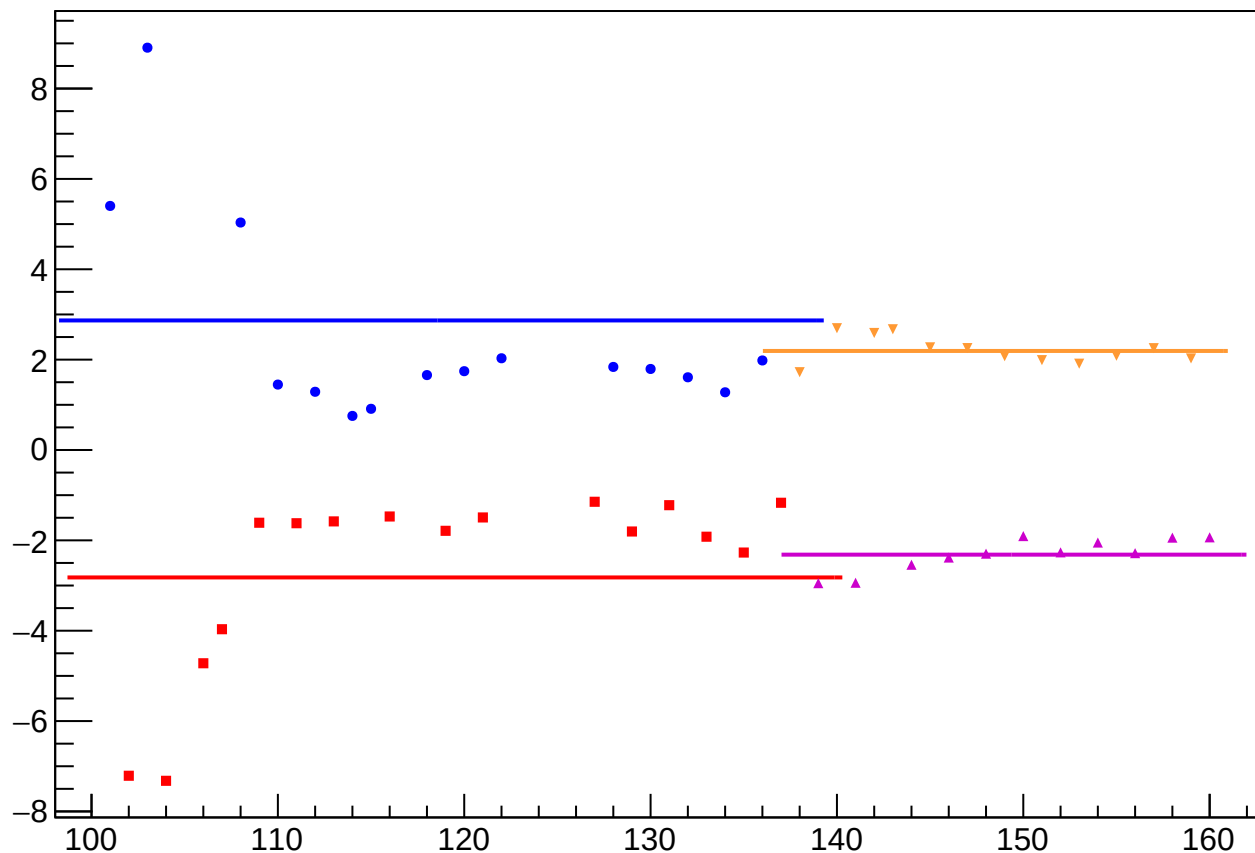
Right: -2.265 $\pm$ 0.000 χ^2 /NDF: 1939933040270060

In: 38.154 $\pm$ 0.000 χ^2 /NDF: 645160855456739365

Out: -36.355 $\pm$ 0.000 χ^2 /NDF: 5572346140178000

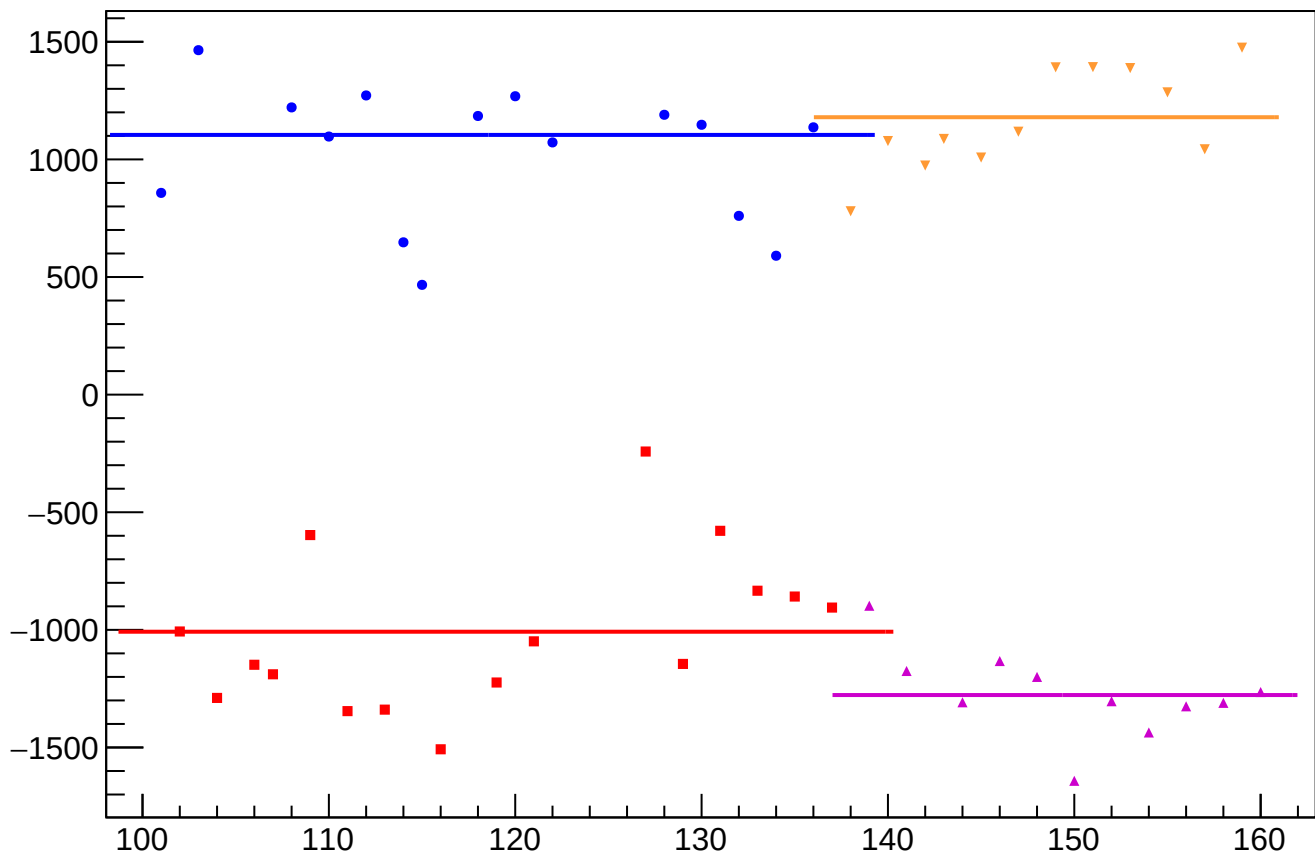
All: 0.805 $\pm$ 0.000 χ^2 /NDF: 16401400360245

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



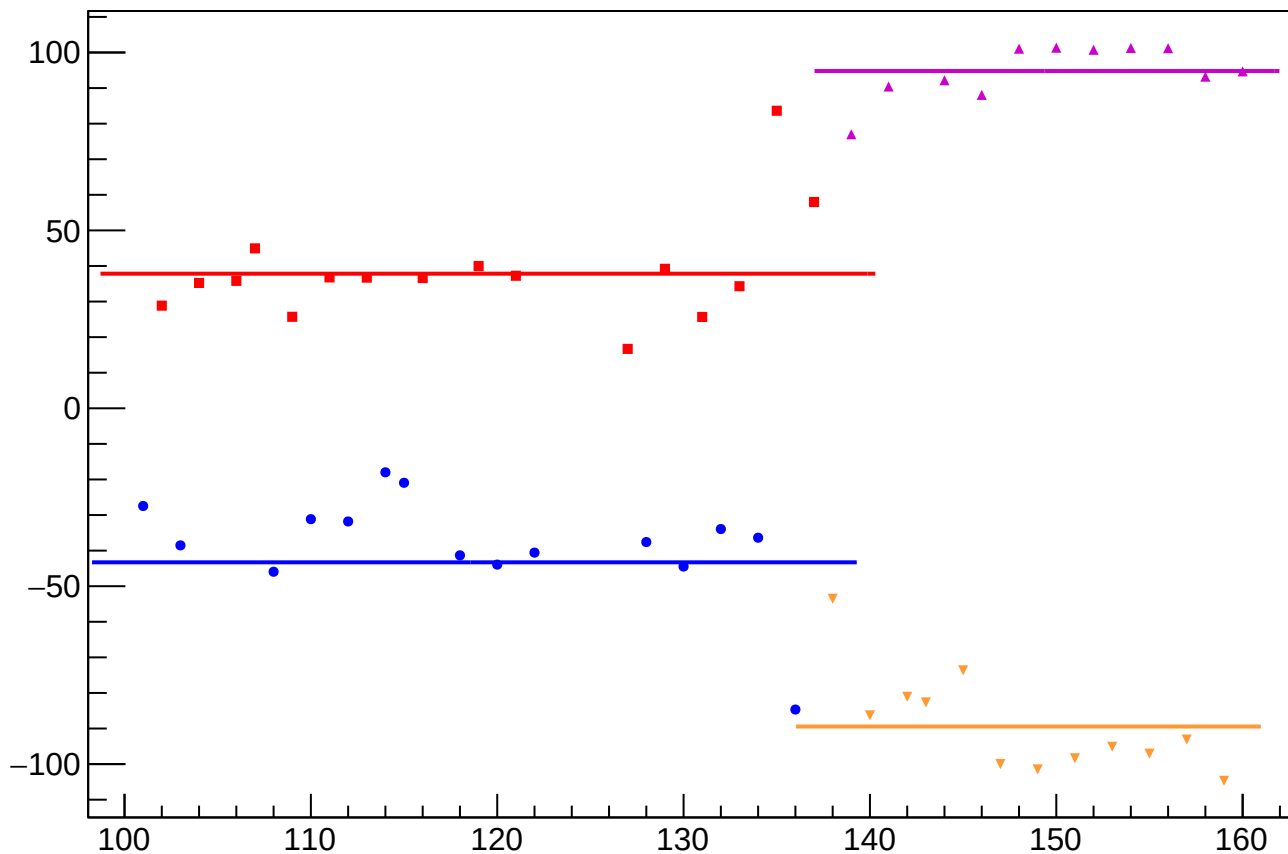
Left: -0.075 +/- 0.000 χ^2/NDF : 95306809315306736
 Right: -0.016 +/- 0.000 χ^2/NDF : 1715222089110172
 In: -0.178 +/- 0.000 χ^2/NDF : 138149448631133165
 Out: 0.077 +/- 0.000 χ^2/NDF : 128194020230004330
 All: -0.050 +/- 0.000 χ^2/NDF : 2668555650335

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

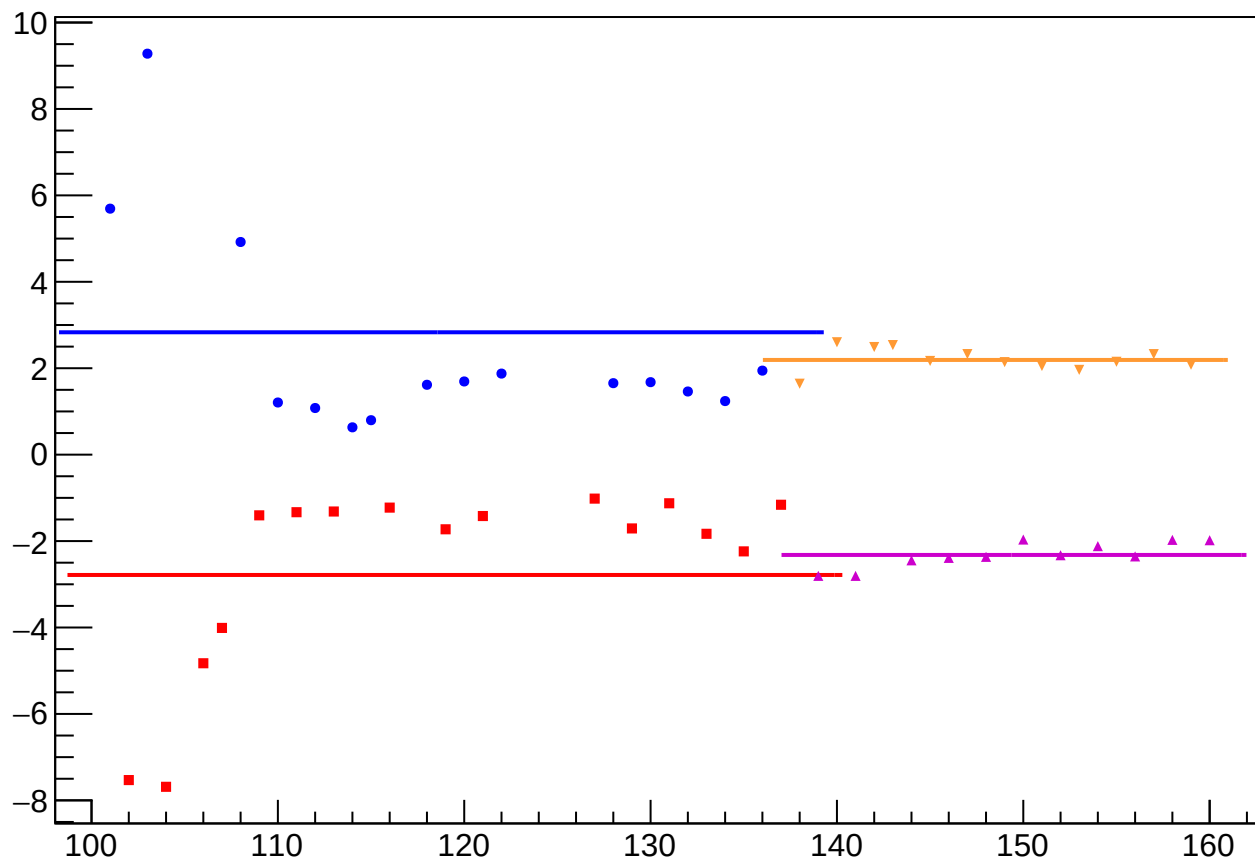
Right: -2.174 $\pm$ 0.000 χ^2/NDF : 2512687101518028

In: 37.826 $\pm$ 0.000 χ^2/NDF : 751790372998047563

Out: -35.745 $\pm$ 0.000 χ^2/NDF : 6575776048743356

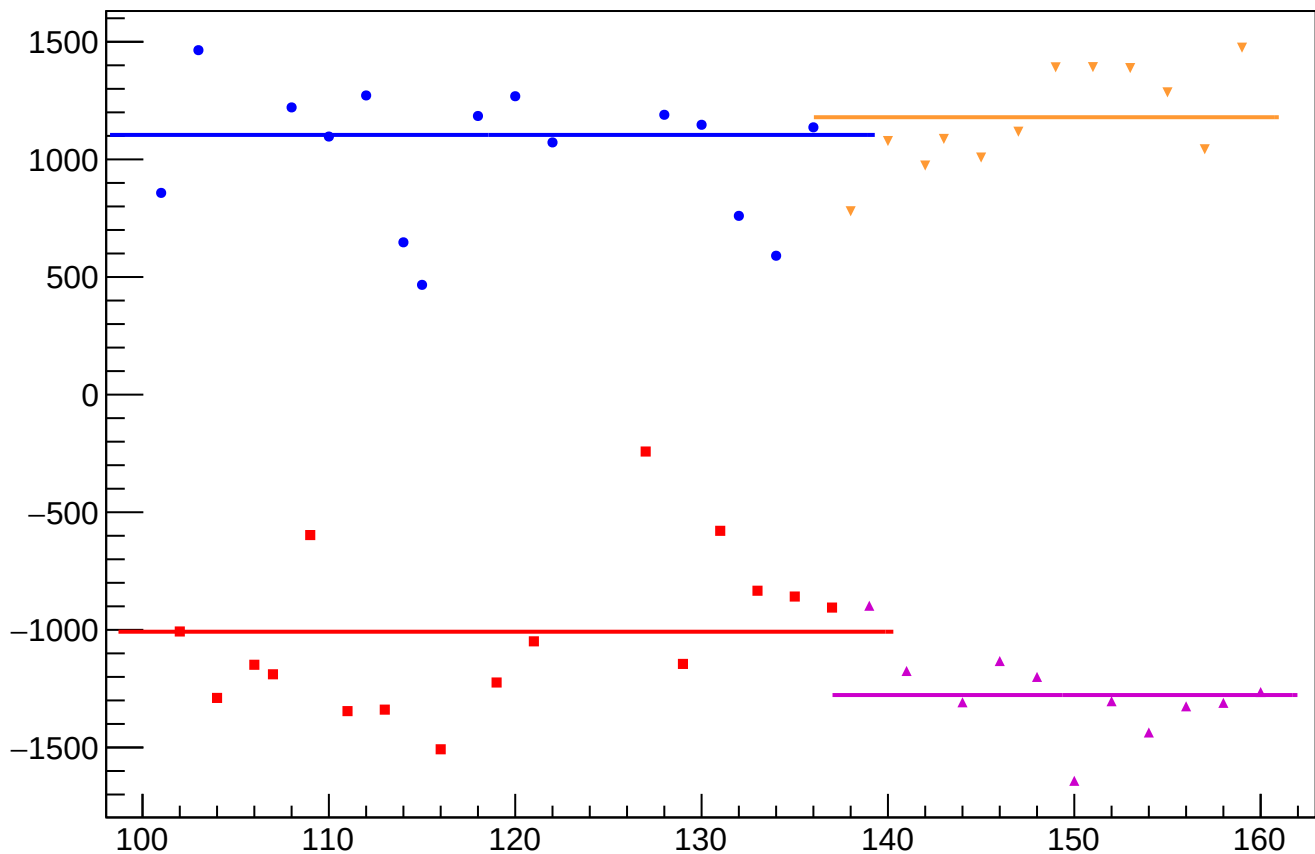
All: 0.947 $\pm$ 0.000 χ^2/NDF : 1836150818238

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



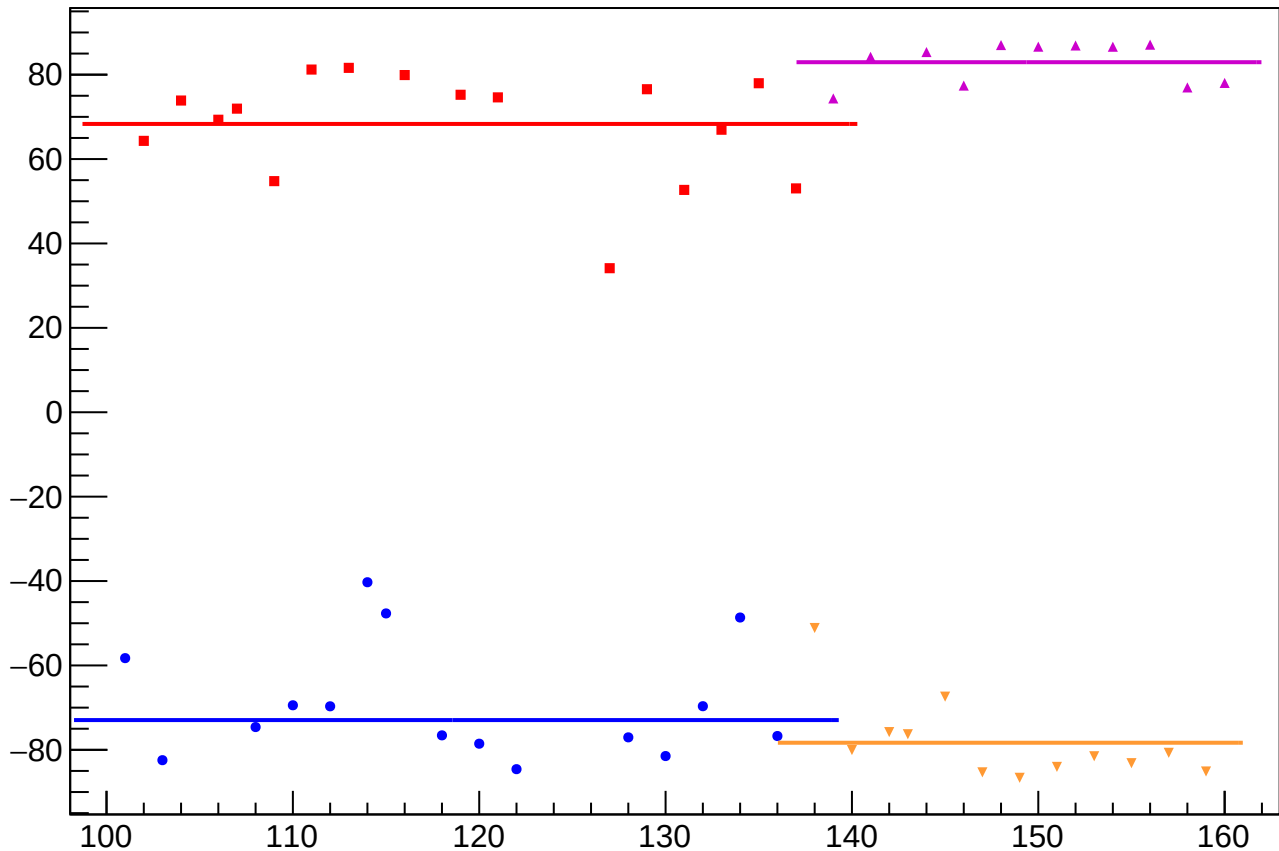
Right In: 2.832 ± 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 59601559247415008947816525463552.0/11
 Right Out: -2.784 ± 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.321 ± 0.000 χ^2/NDF : 74619123224616324544404505231360.0/10
 All: -0.051 ± 0.000 χ^2/NDF : 2741558316748

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949 $\pm$ 0.000

Left Out: -78.317 $\pm$ 0.000

Right Out: 68.324 $\pm$ 0.000

Left In: 82.954 $\pm$ 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 $\pm$ 0.000 χ^2 /NDF: 120577028568665653

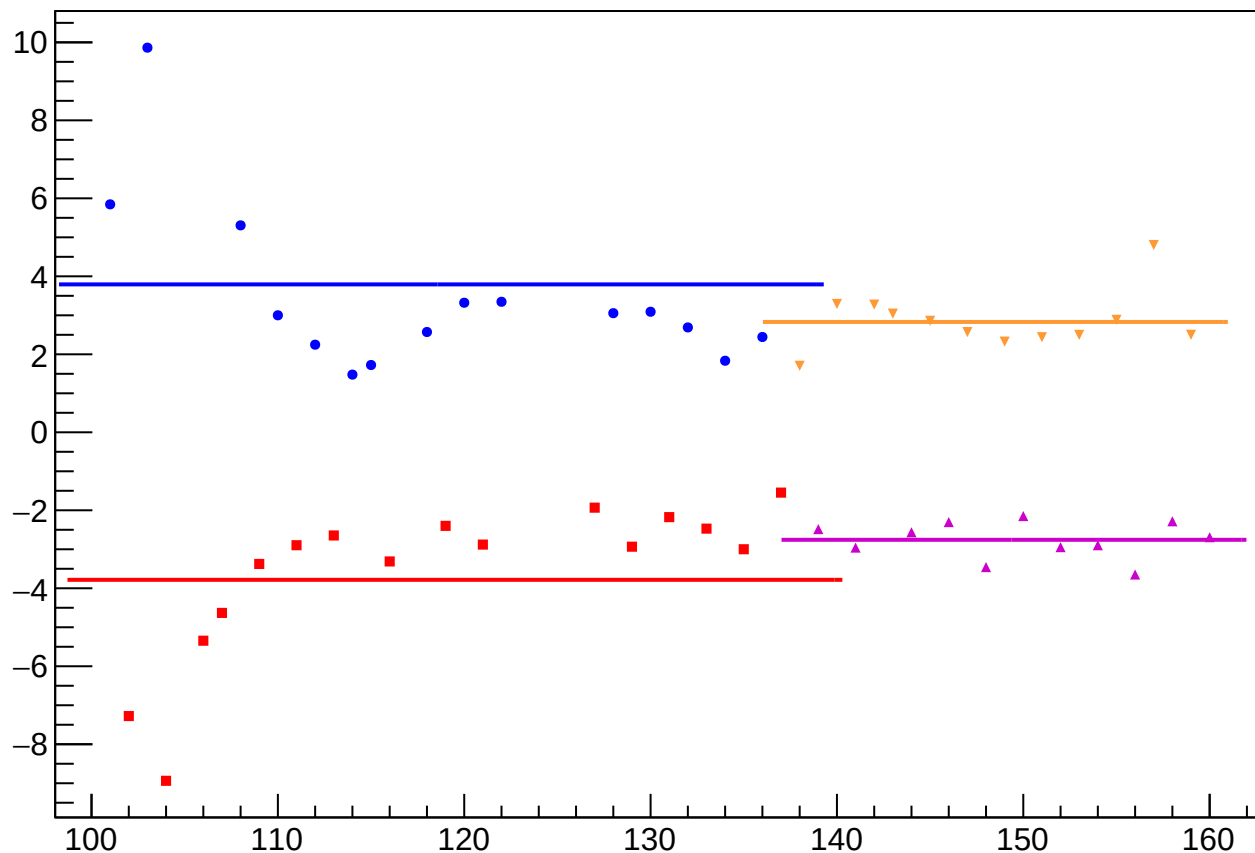
Right: -1.347 $\pm$ 0.000 χ^2 /NDF: 6737392391922205

In: 18.630 $\pm$ 0.000 χ^2 /NDF: 935227547229560147

Out: -16.451 $\pm$ 0.000 χ^2 /NDF: 8485315004637869

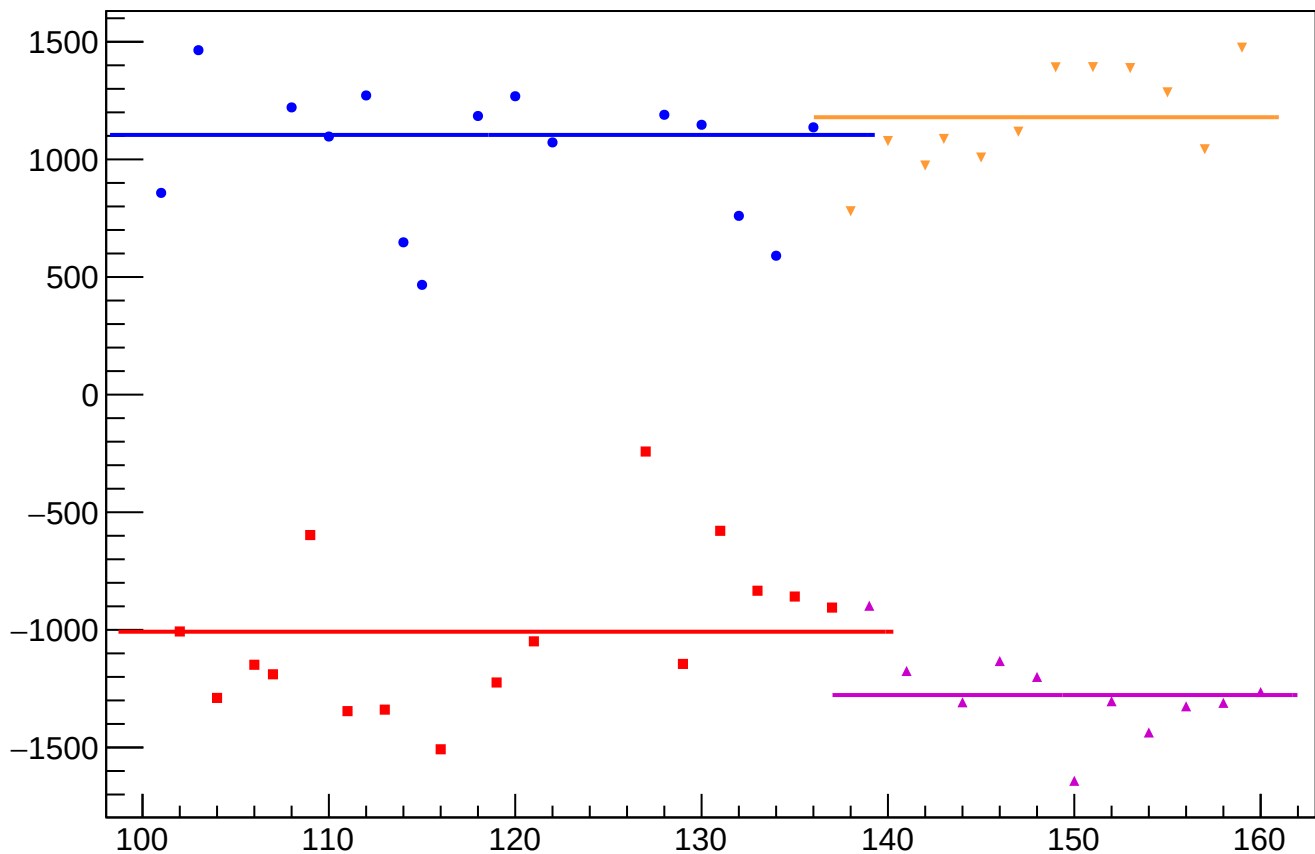
All: 1.045 $\pm$ 0.000 χ^2 /NDF: 18808011568652

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.793 ± 0.000 χ^2/NDF : 3205389242726129619796290810413056.0/14
 Left Out: 2.830 ± 0.000 χ^2/NDF : 492749026028838907947829621161984.0/11
 Right Out: -3.783 ± 0.000 χ^2/NDF : 2878586622192676654452338755371008.0/15
 Left In: -2.757 ± 0.000 χ^2/NDF : 191720746547732306226054042746880.0/10
 All: -0.007 ± 0.000 χ^2/NDF : 3999287355304

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

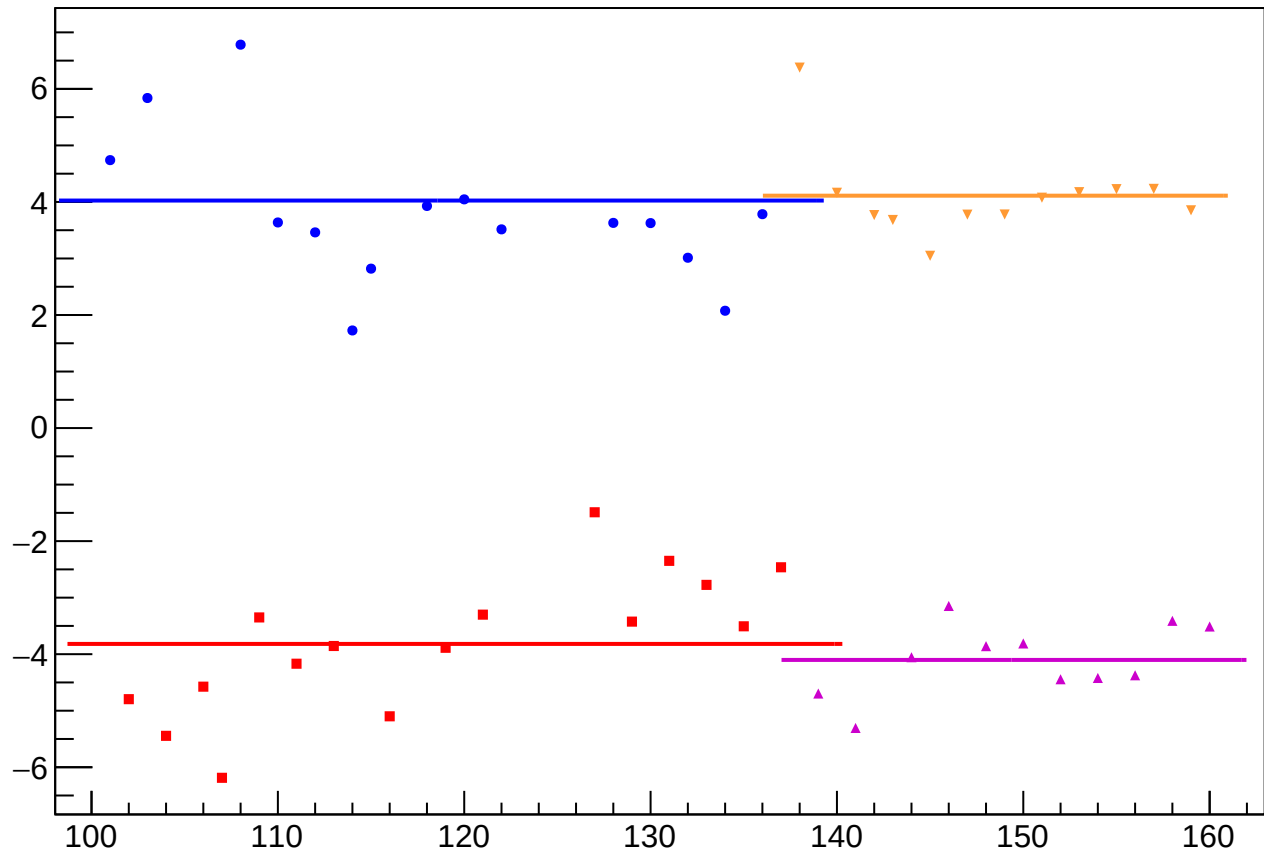
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

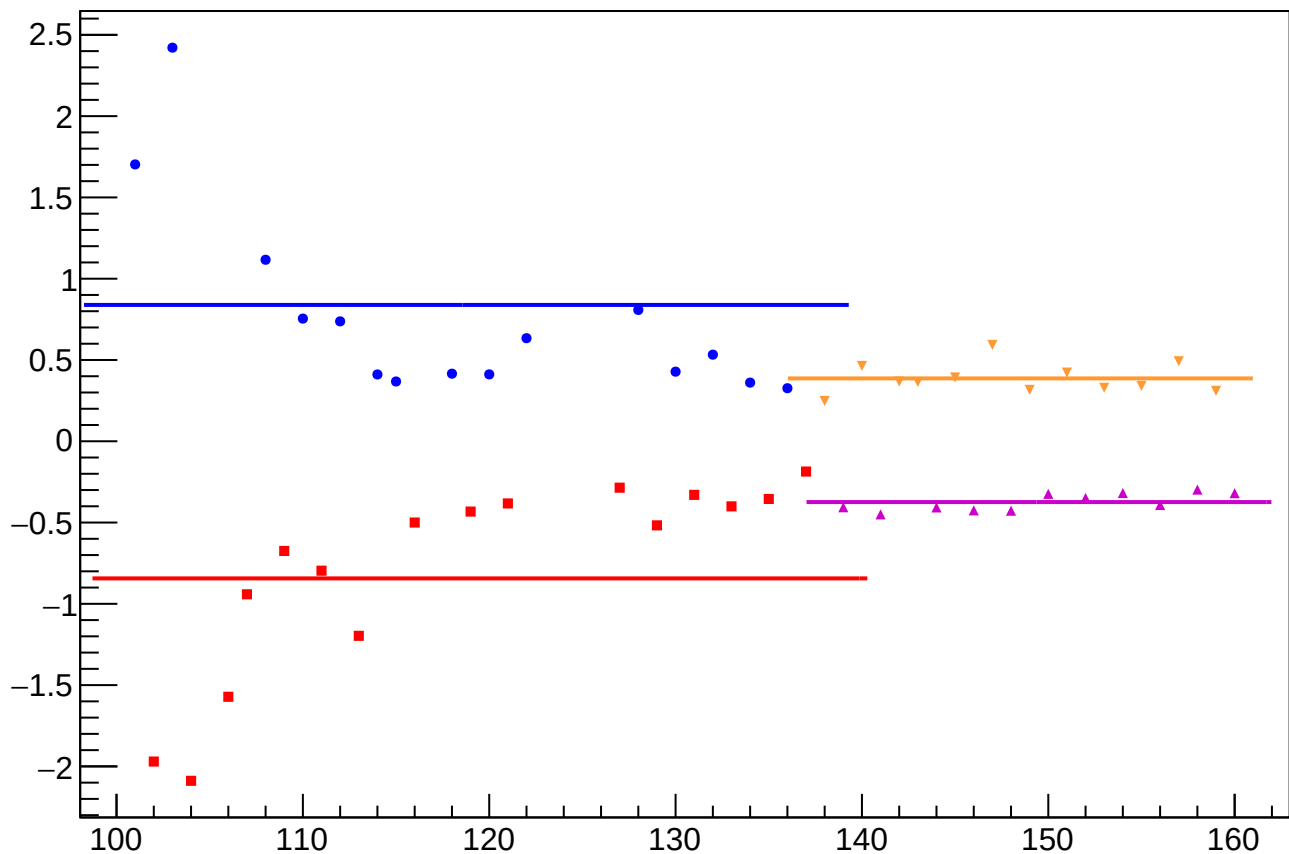
All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025+/-0.000 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

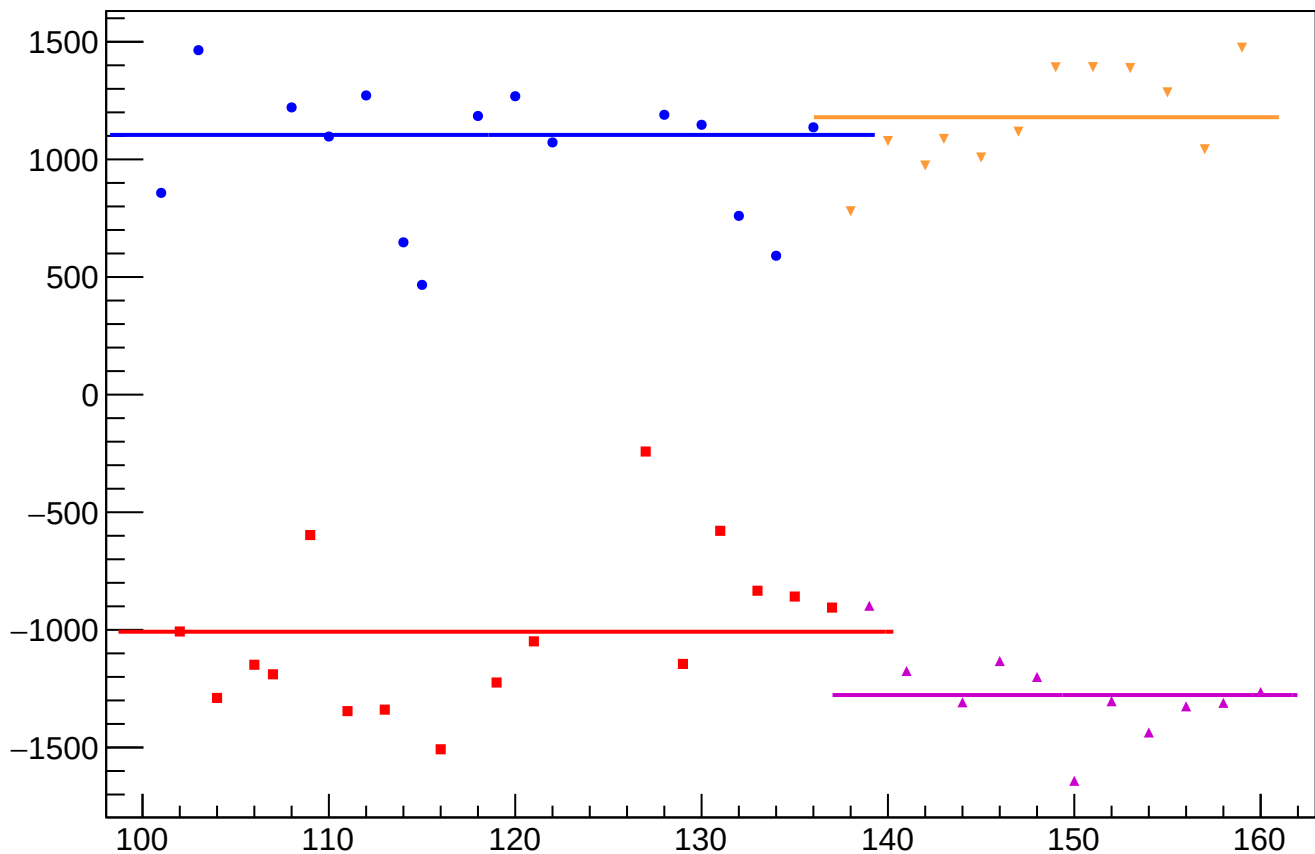
Left In: -0.374 +/- 0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

All: -0.003 +/- 0.000

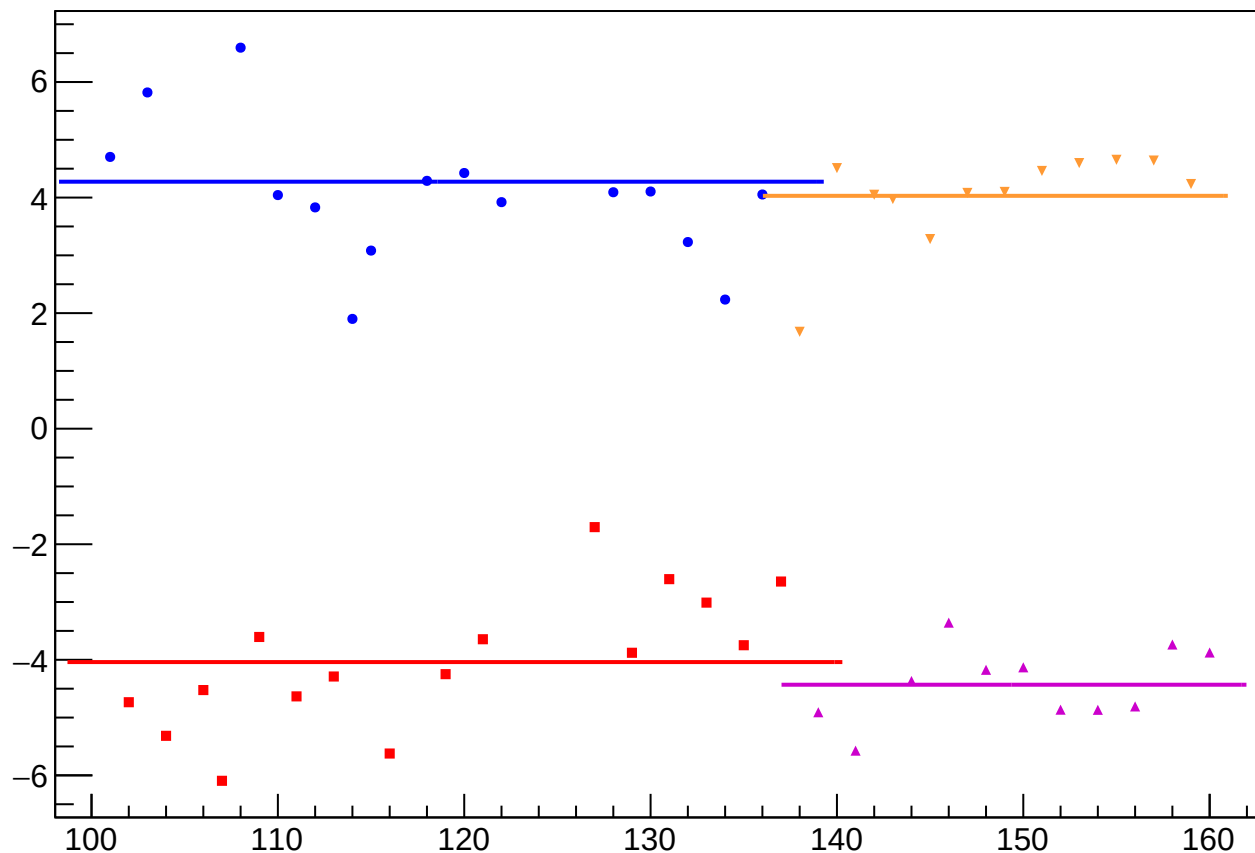
χ^2/NDF : 1718408465884

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



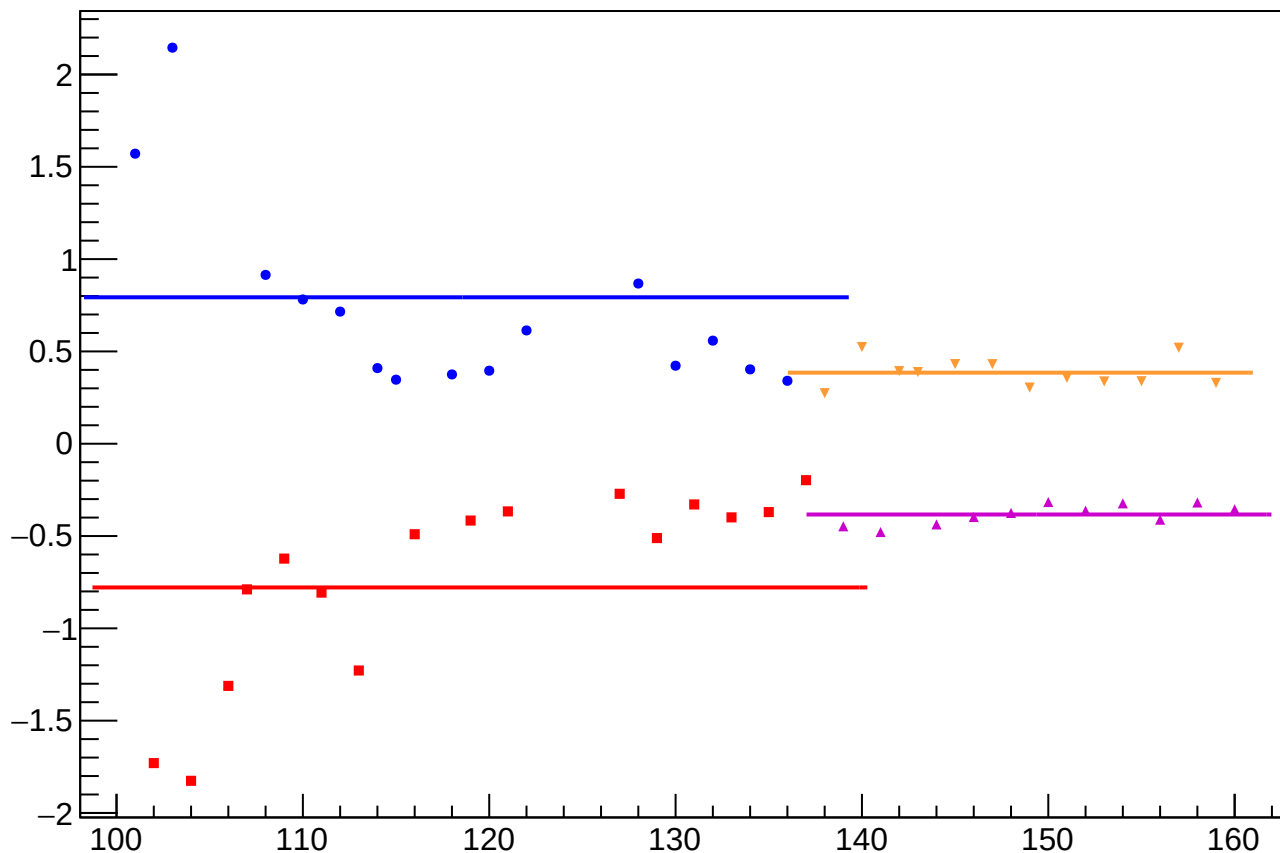
Right In: 1104.111 ± 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 ± 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 ± 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 ± 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 ± 0.000 χ^2/NDF : 441608022845

dit_4eY_coil3_mean vs Slug, Sign Corrected



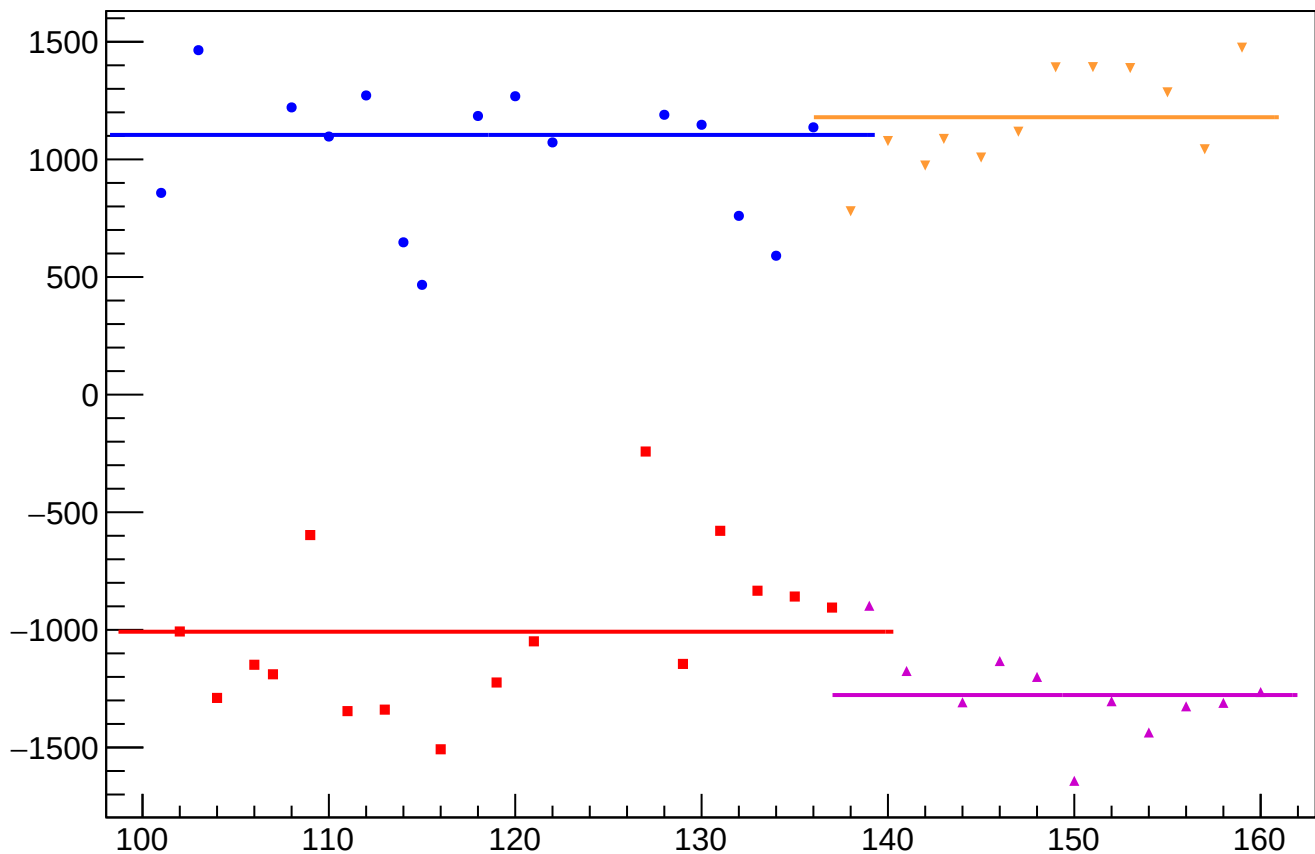
Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.030 ± 0.000 $\chi^2/\text{NDF}: 600797720921367466879695481470976.0/11$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.432 ± 0.000 $\chi^2/\text{NDF}: 345602703191245770554210363899904.0/10$
 All: -0.105 ± 0.000 $\chi^2/\text{NDF}: 5801697378090$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



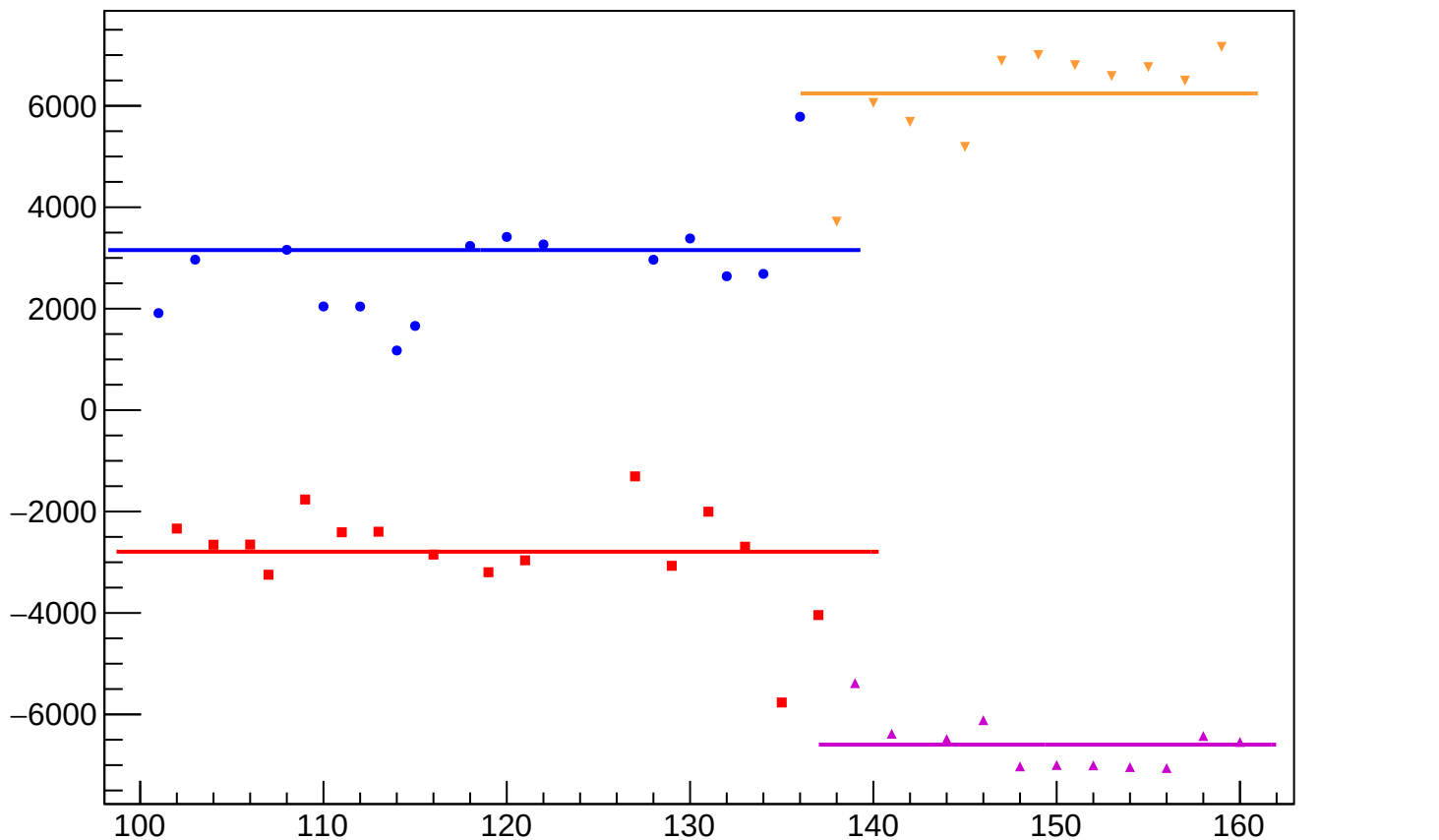
Right In: 0.793+/-0.000 χ^2/NDF : 195508777173589483440314700005376.0/14
 Left Out: 0.385+/-0.000 χ^2/NDF : 5547784180240414411423653822464.0/11
 Right Out: -0.778+/-0.000 χ^2/NDF : 185814635772183306063903690063872.0/15
 Left In: -0.383+/-0.000 χ^2/NDF : 2618375268437967875049691021312.0/10
 All: -0.002+/-0.000 χ^2/NDF : 1473239916142

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



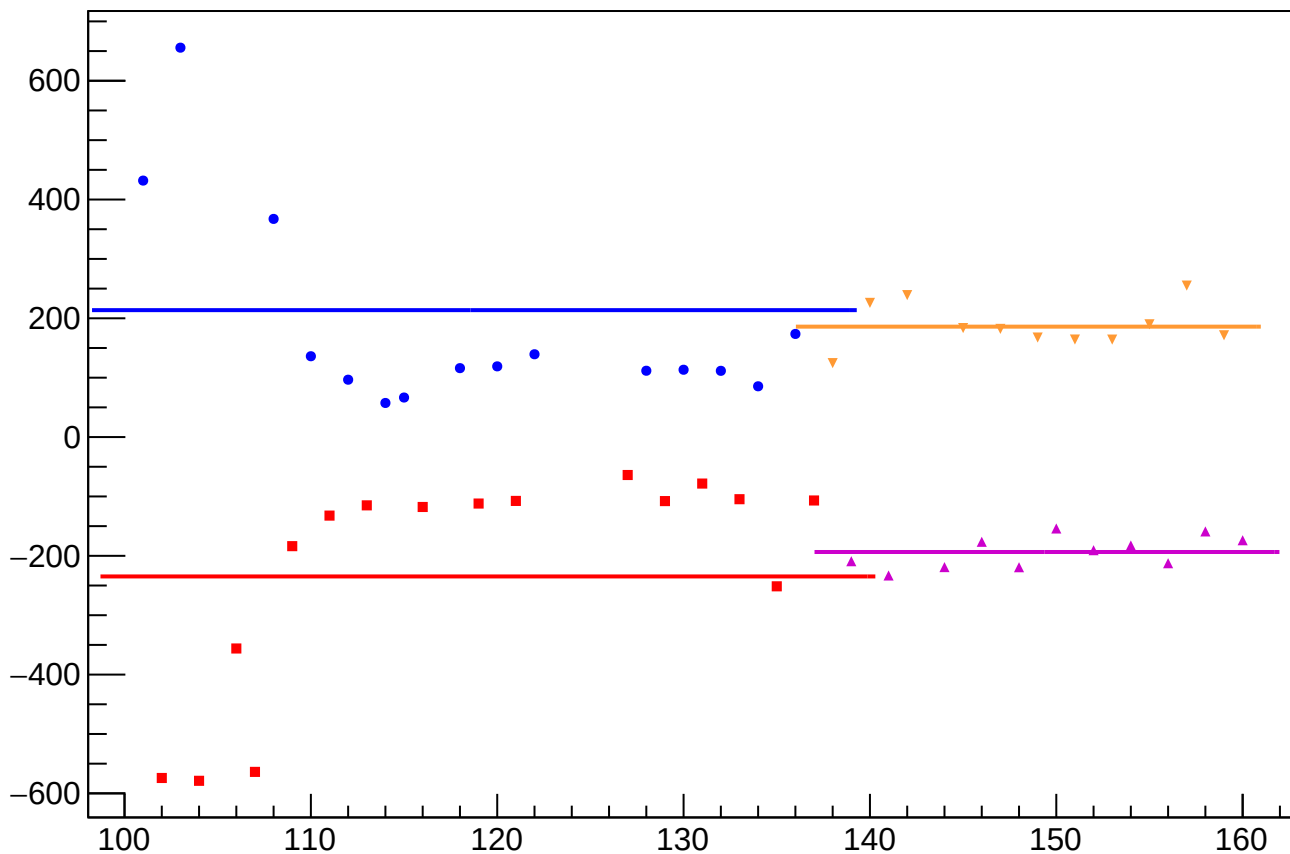
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_usl_coil3_mean vs Slug, Sign Corrected



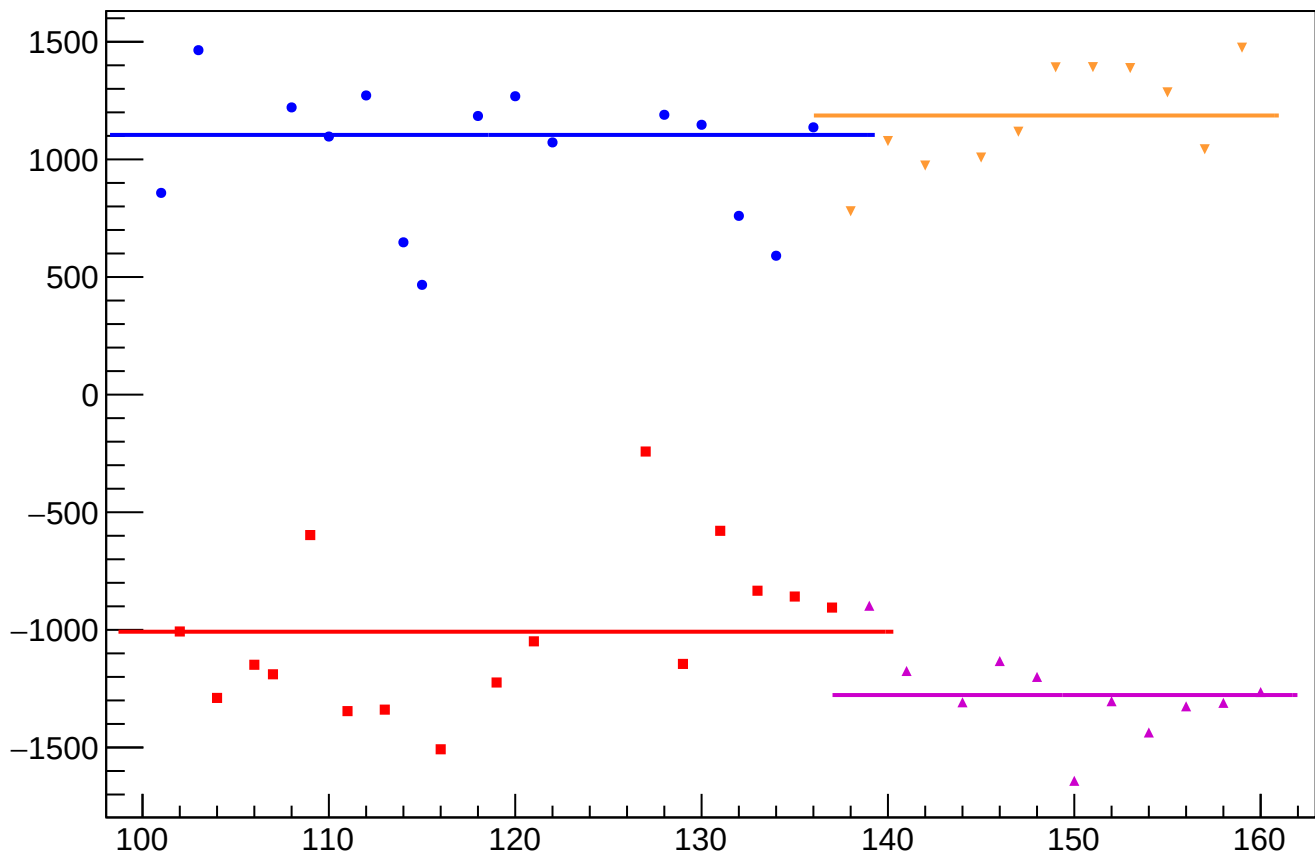
Right In: 3155.434+/-0.000 χ^2/NDF : 903550534773622902110918214033612996608.0/14
 Left Out: 6243.976+/-0.000 χ^2/NDF : 811230786168378302780139165688711348224.0/10
 Right Out: -2792.245+/-0.000 χ^2/NDF : 674635749324173001973264427530986717184.0/15
 Left In: -6595.861+/-0.000 χ^2/NDF : 225164805715400368671043826745864093696.0/10
 All: -200.997+/-0.000 χ^2/NDF : 87373315799

dit_usl_coil3_err_mean vs Slug, Sign Corrected



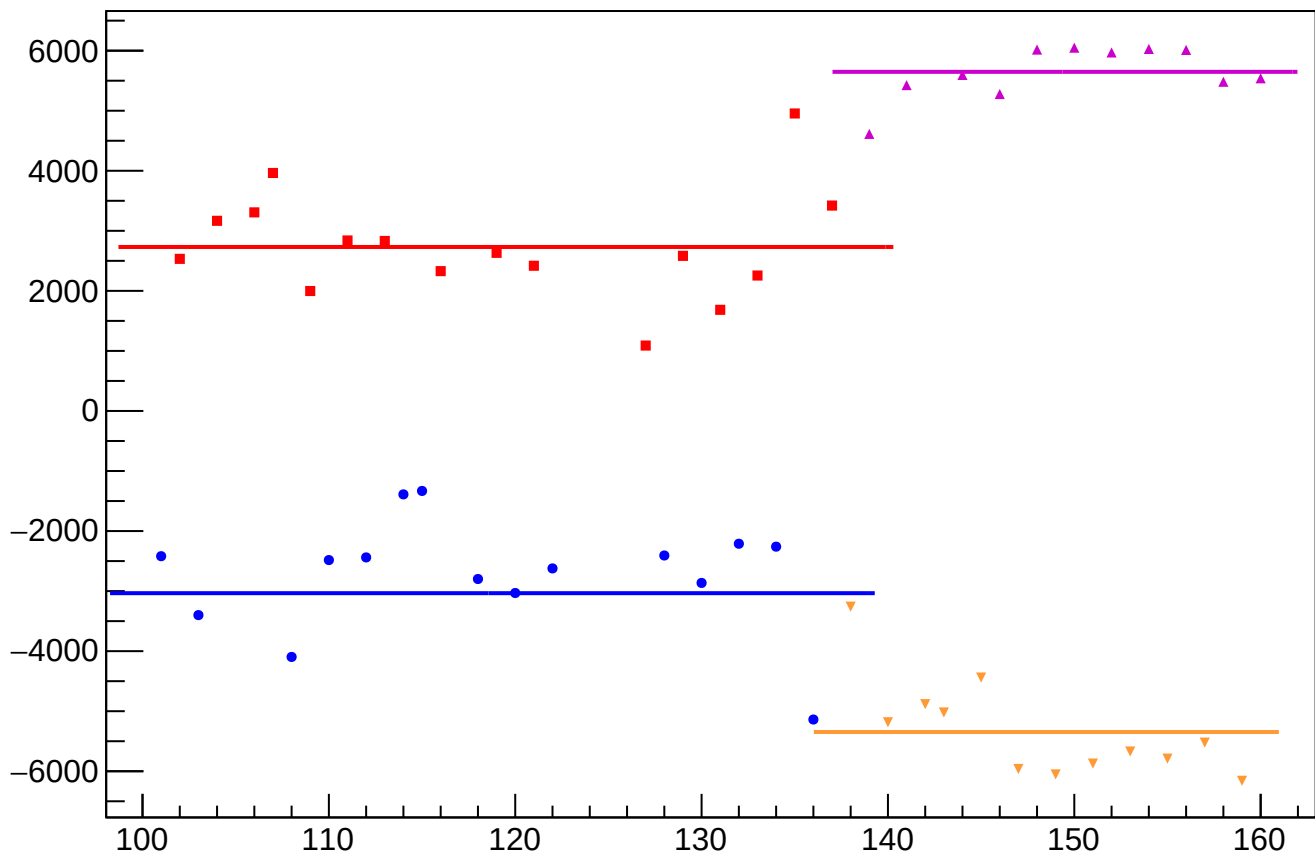
Left: -12.048 +/- 0.000 χ^2/NDF : 6529786806410777
 Right In: 213.739 +/- 0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Right: -13.554 +/- 0.000 χ^2/NDF : 109883652295878
 Left Out: 185.948 +/- 0.000 χ^2/NDF : 1057706607595767583587974846640816128.0/10
 In: -25.504 +/- 0.000 χ^2/NDF : 83555095892474159
 Right Out: -234.712 +/- 0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Out: 0.624 +/- 0.000 χ^2/NDF : 911015055676819525
 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

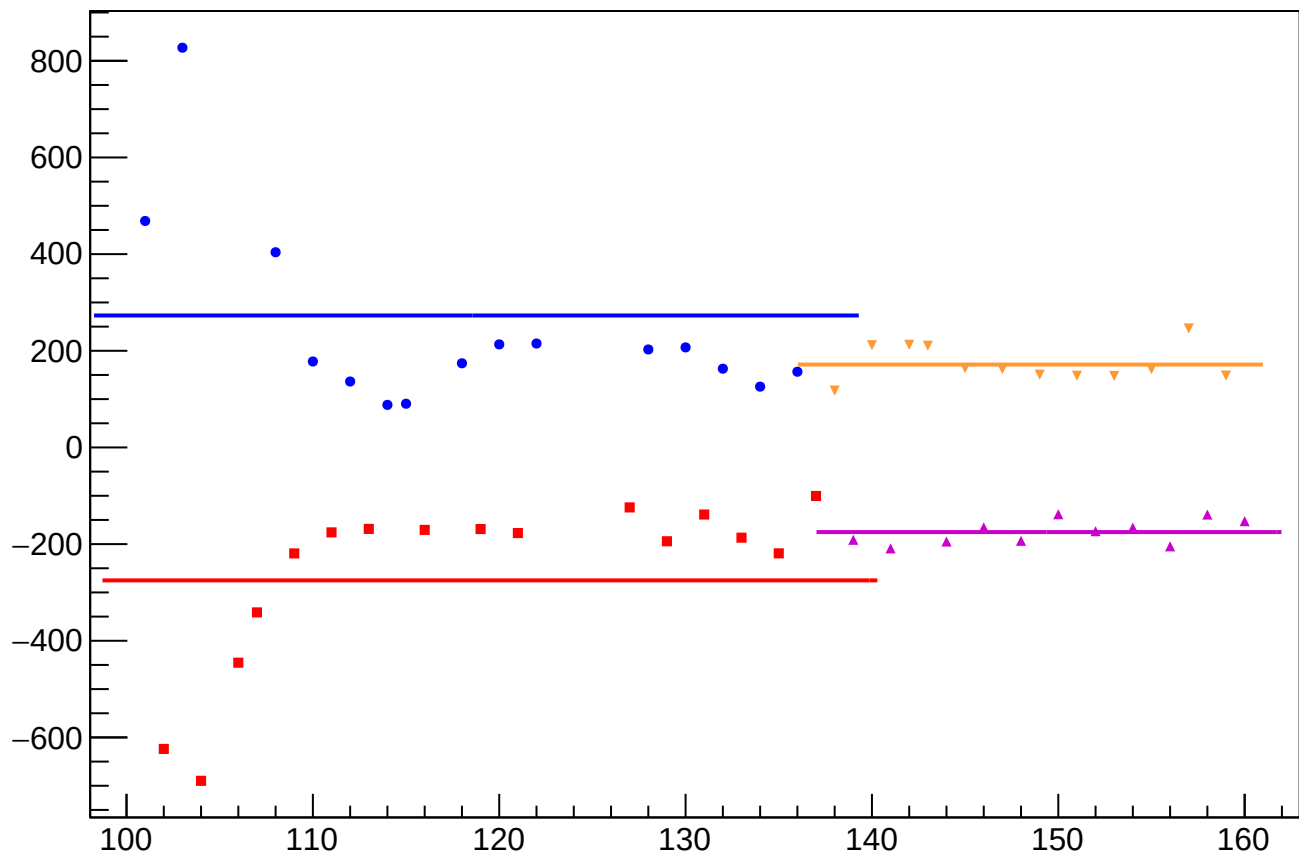
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

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

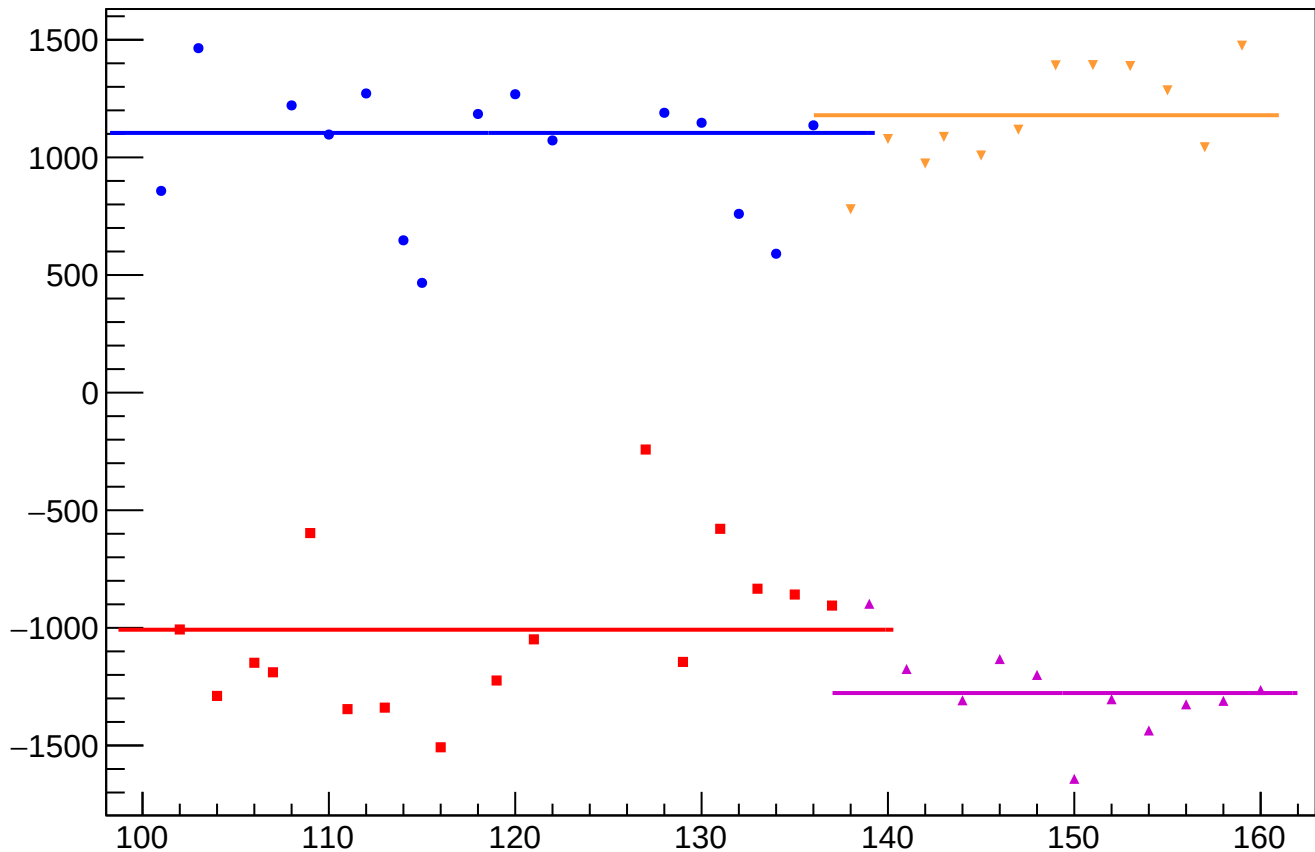
Right: -4.751+/-0.000 χ^2/NDF : 1475618476041152

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

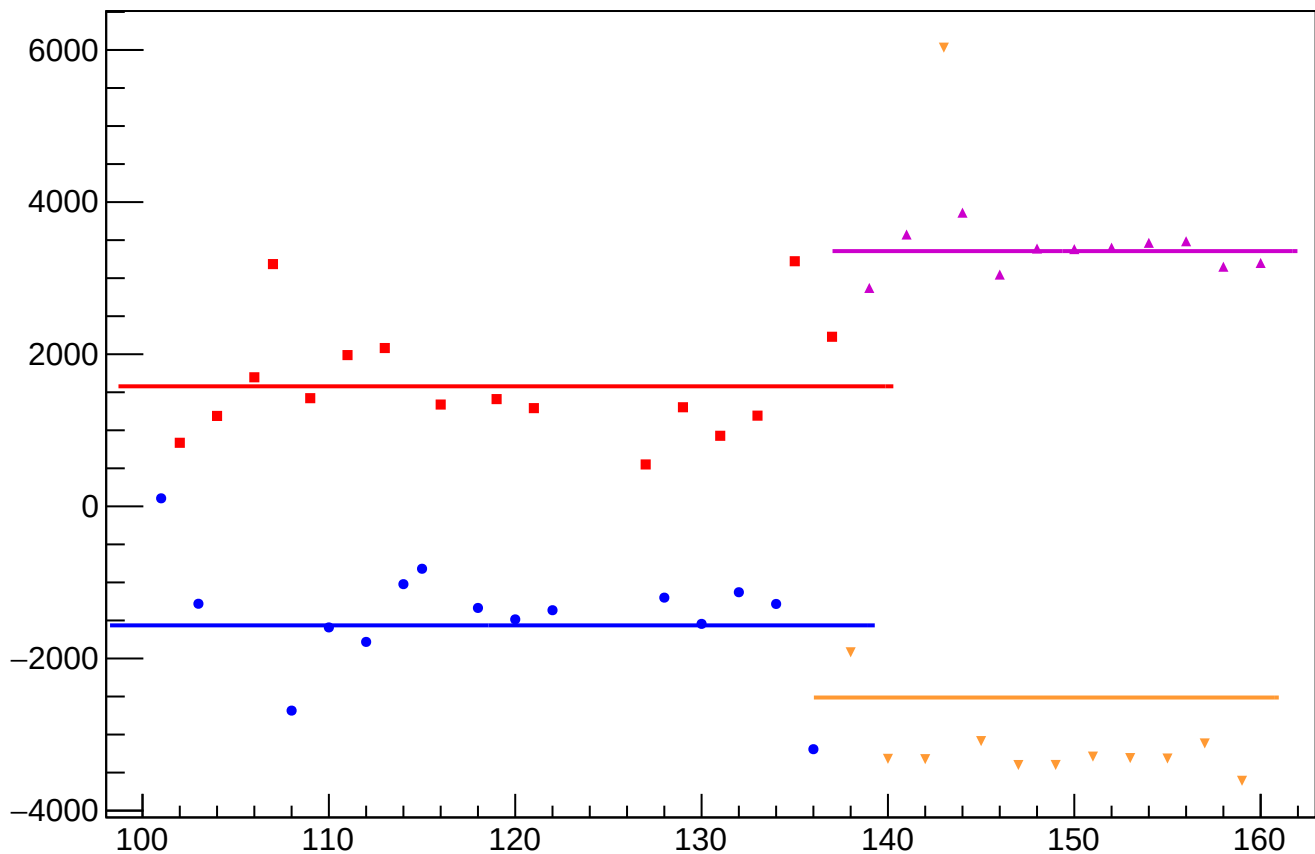
χ^2/NDF : 69077878009873965622695939627477368832.0/15

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

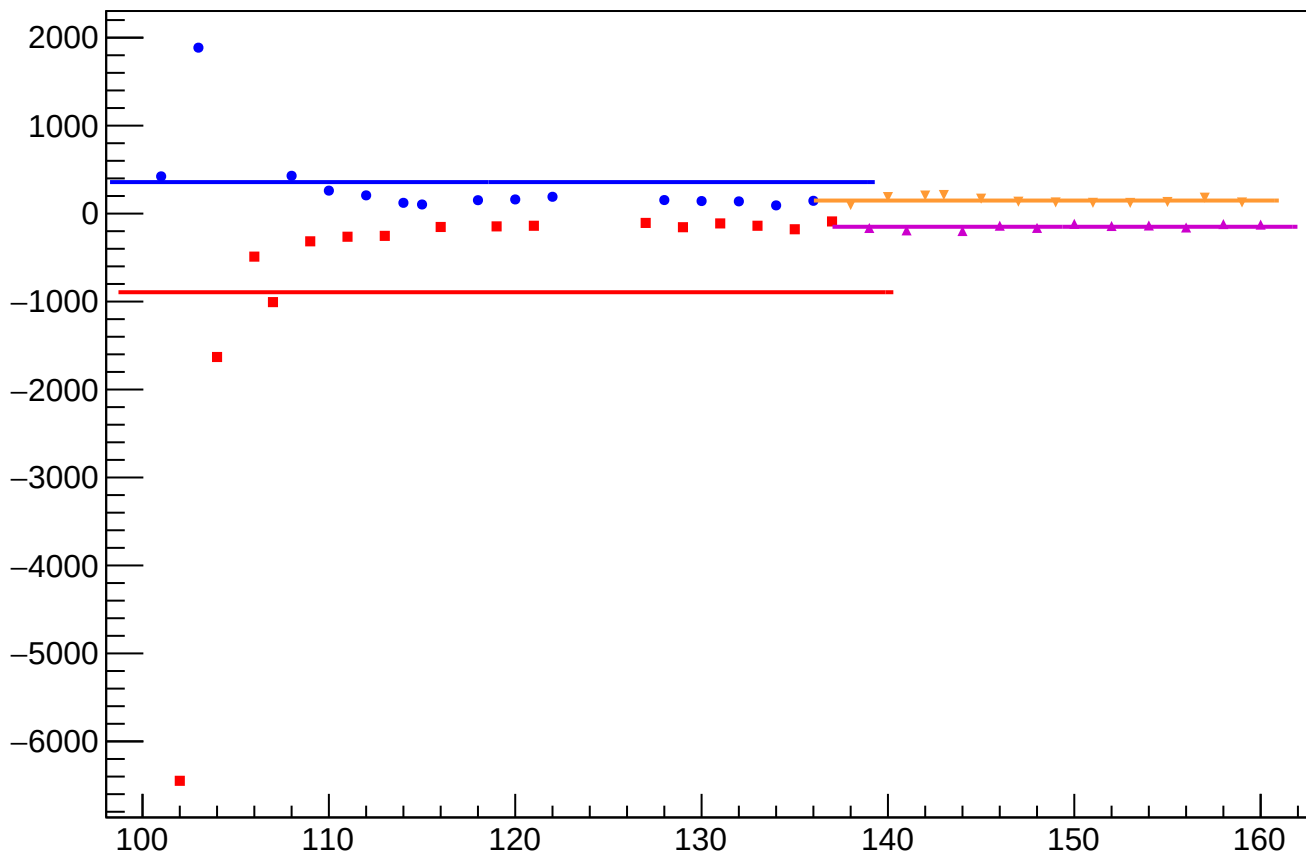
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1325.655+/-0.000 χ^2/NDF : 9774855555761575

Out: -787.099+/-0.000 χ^2/NDF : 122542710245159

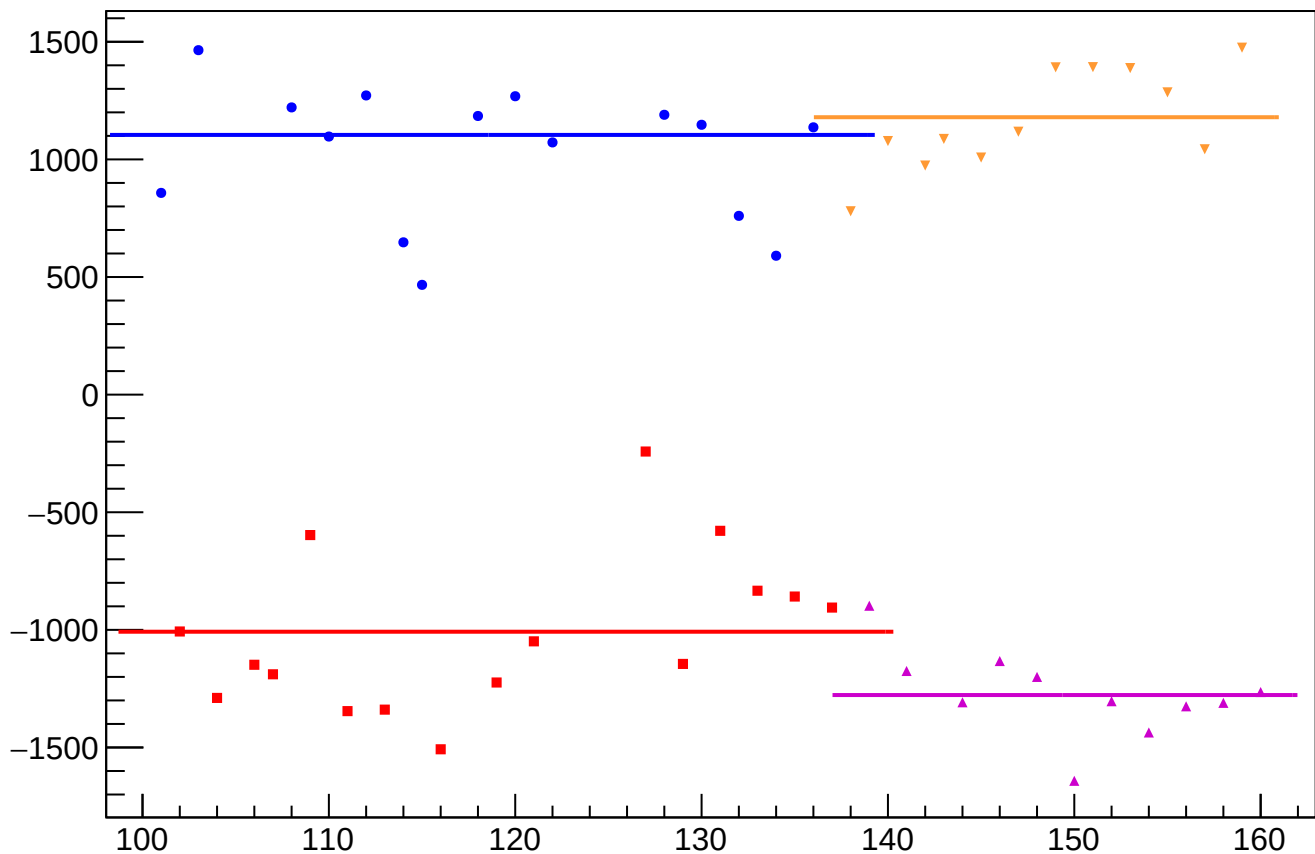
All: 266.599+/-0.000 χ^2/NDF : 255487557311

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



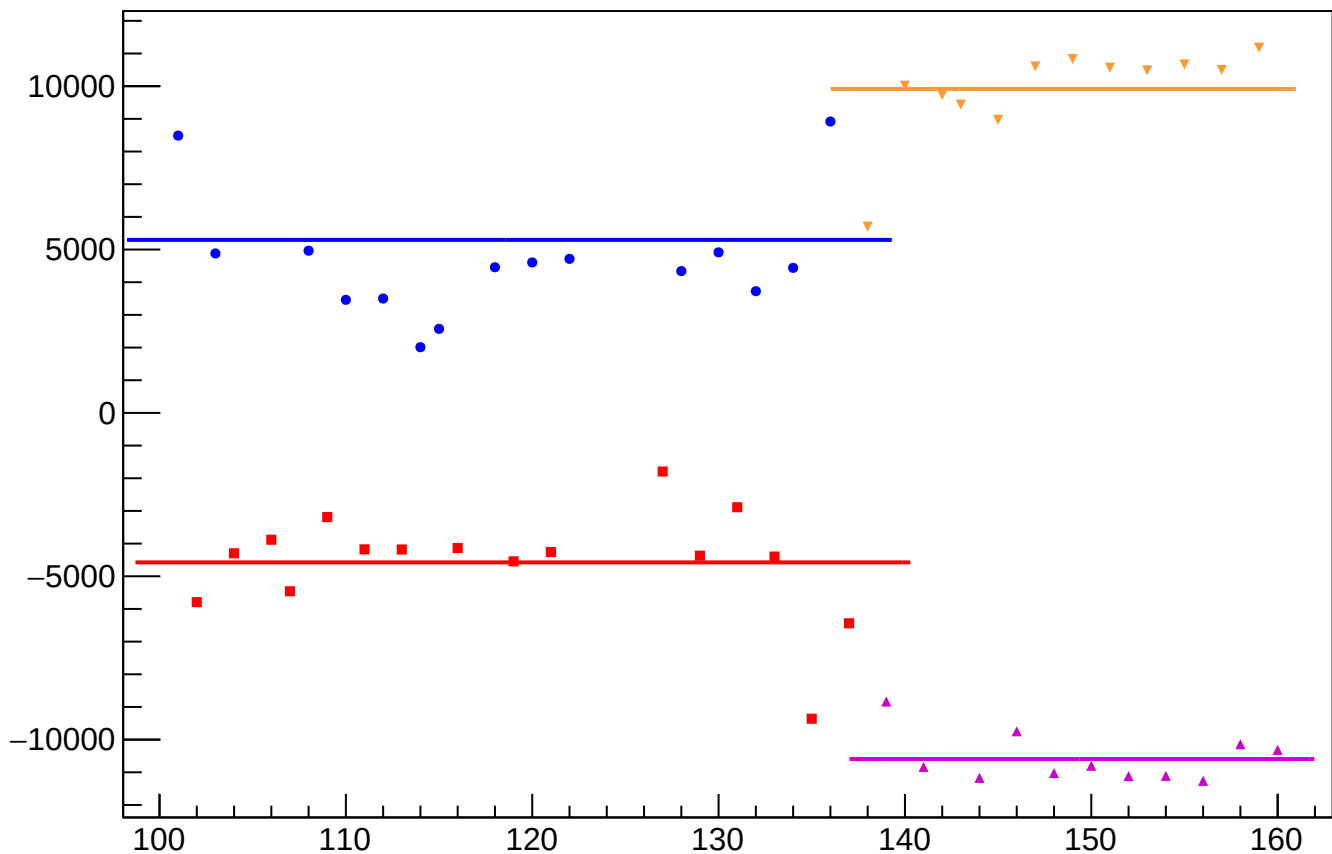
Right In: 358.080 ± 0.000 χ^2/NDF : 157922789145697858165644452090202816512.0/14
 Left Out: 148.359 ± 0.000 χ^2/NDF : 1090286331733366082581256970807803904.0/11
 Right Out: -893.897 ± 0.000 χ^2/NDF : 2075920155774201043572695656797803905024.0/15
 Left In: -149.829 ± 0.000 χ^2/NDF : 645756718172892804384604635004928000.0/10
 All: -116.258 ± 0.000 χ^2/NDF : 28499930865

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



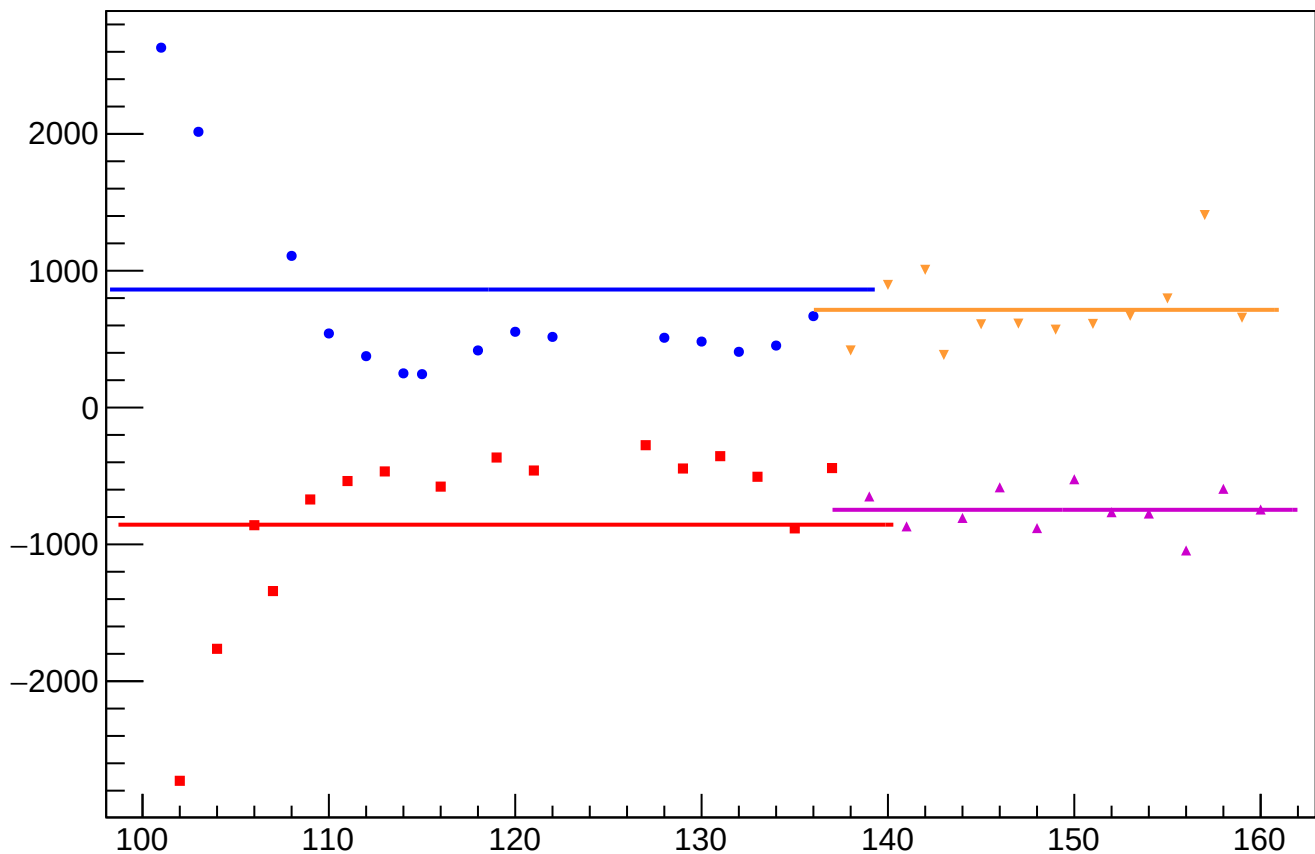
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 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

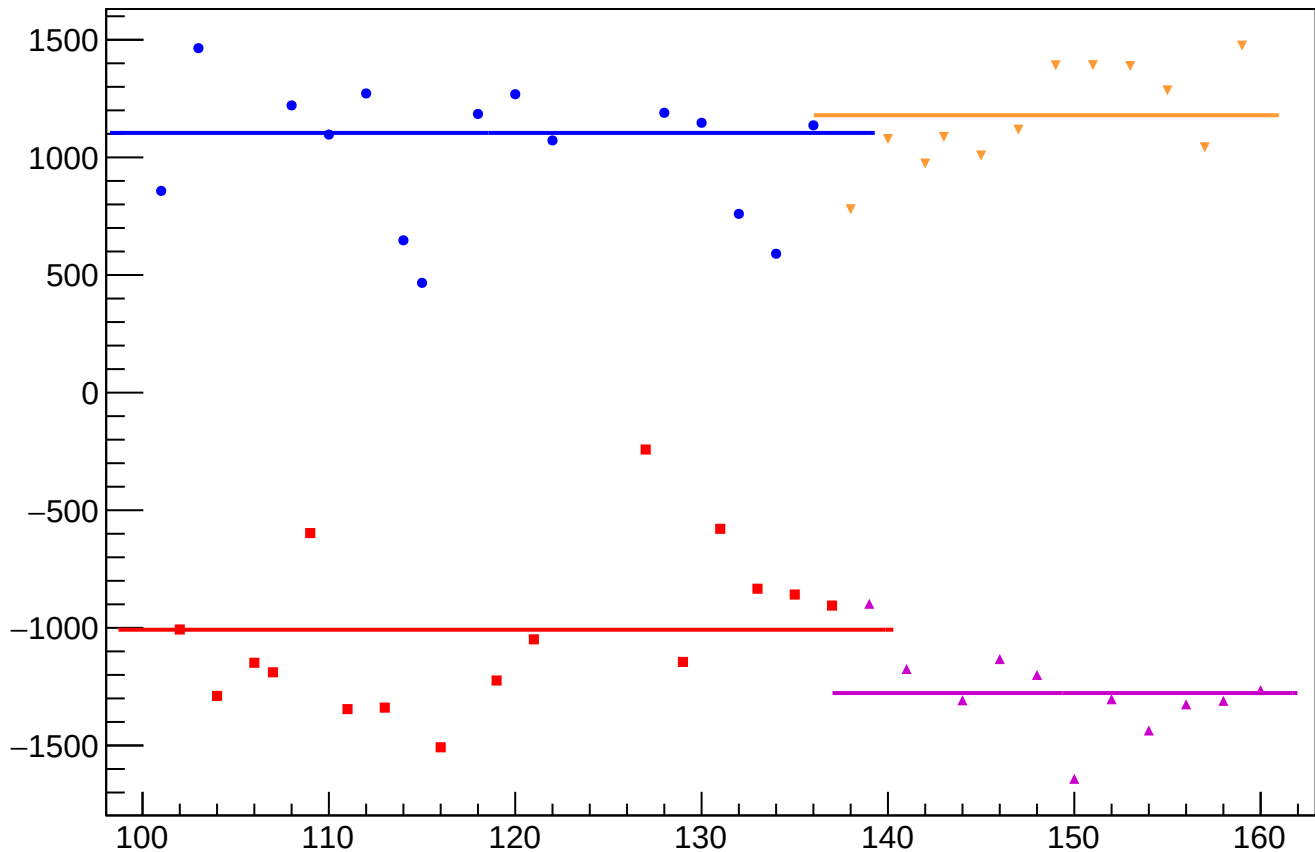
Right: -8.442+/-0.000 χ^2/NDF : 1636587396882894

In: -83.027+/-0.000 χ^2/NDF : 13454995318402178

Out: 51.744+/-0.000 χ^2/NDF : 13419429235658595

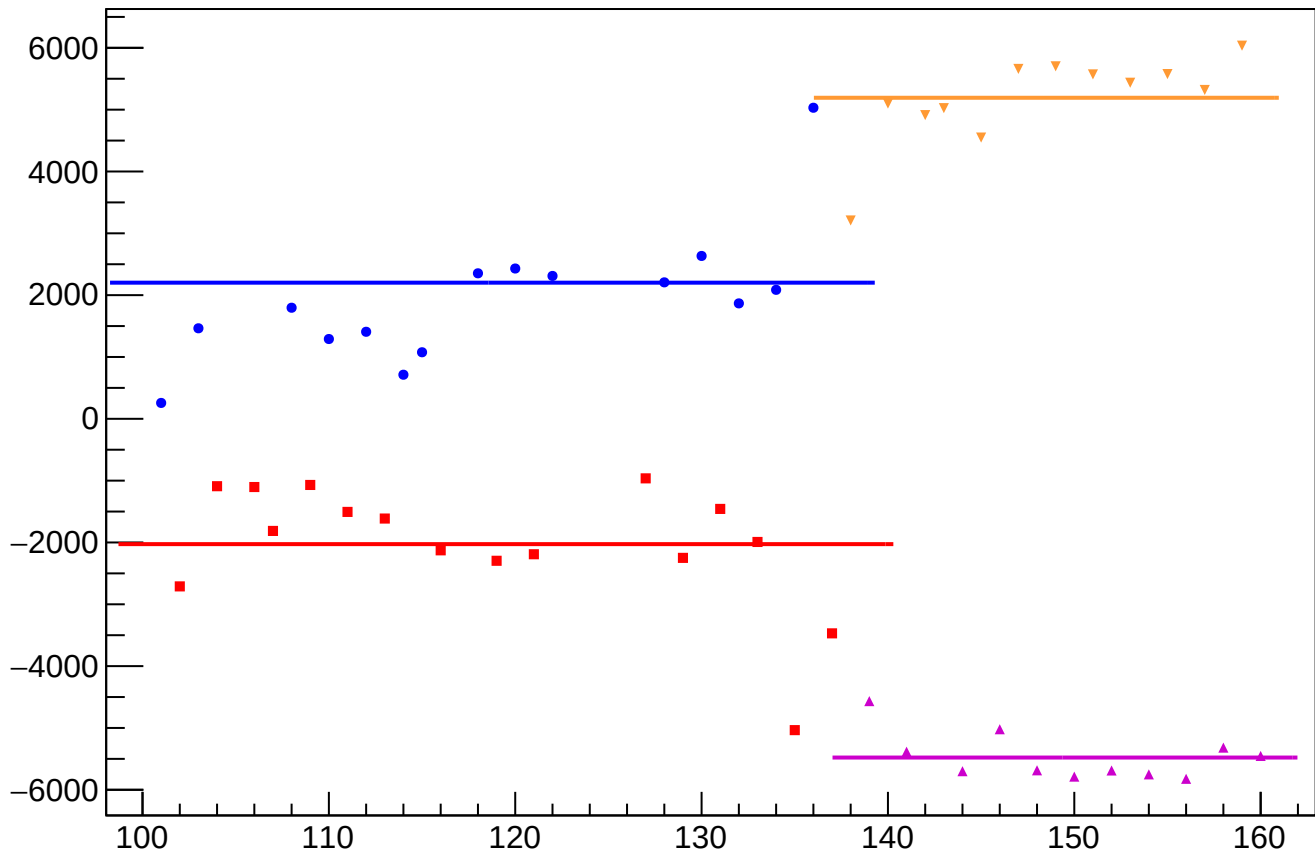
All: -15.471+/-0.000 χ^2/NDF : 270176391125

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atr1_coil3_mean vs Slug, Sign Corrected



Right In: 2201.844+/-0.000

χ^2/NDF : 1086544775216266395419904724422998622208.0/14

Left Out: 5192.476+/-0.000

χ^2/NDF : 470317118435532937200148346508624789504.0/11

Right Out: -2026.969+/-0.000

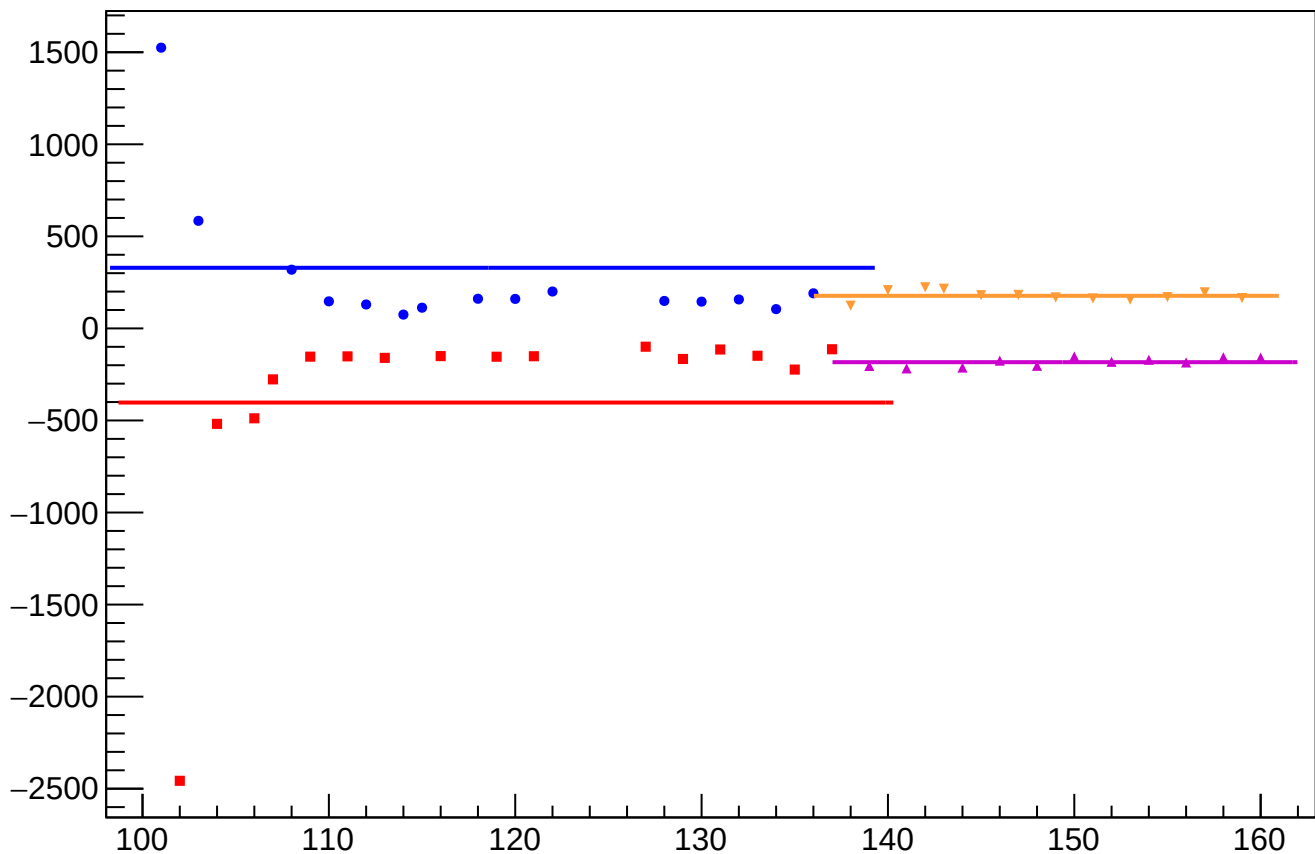
χ^2/NDF : 708626456603410705124518299956645199872.0/15

Left In: -5478.713+/-0.000

χ^2/NDF : 124186054771424011873849346802583601152.0/10

Left: -172.148+/-0.000 χ^2/NDF : 529181779614152
 Right: 58.517+/-0.000 χ^2/NDF : 7677530711207331
 In: -2309.812+/-0.000 χ^2/NDF : 236998936360445
 Out: 2146.701+/-0.000 χ^2/NDF : 212767096674295
 All: -75.903+/-0.000 χ^2/NDF : 606365125250

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229+/-0.000

χ^2/NDF : 103285029091922742033837903437132464128.0/14

Left Out: 177.101+/-0.000

χ^2/NDF : 604256347376555065664943941601984512.0/11

Right Out: -402.690+/-0.000

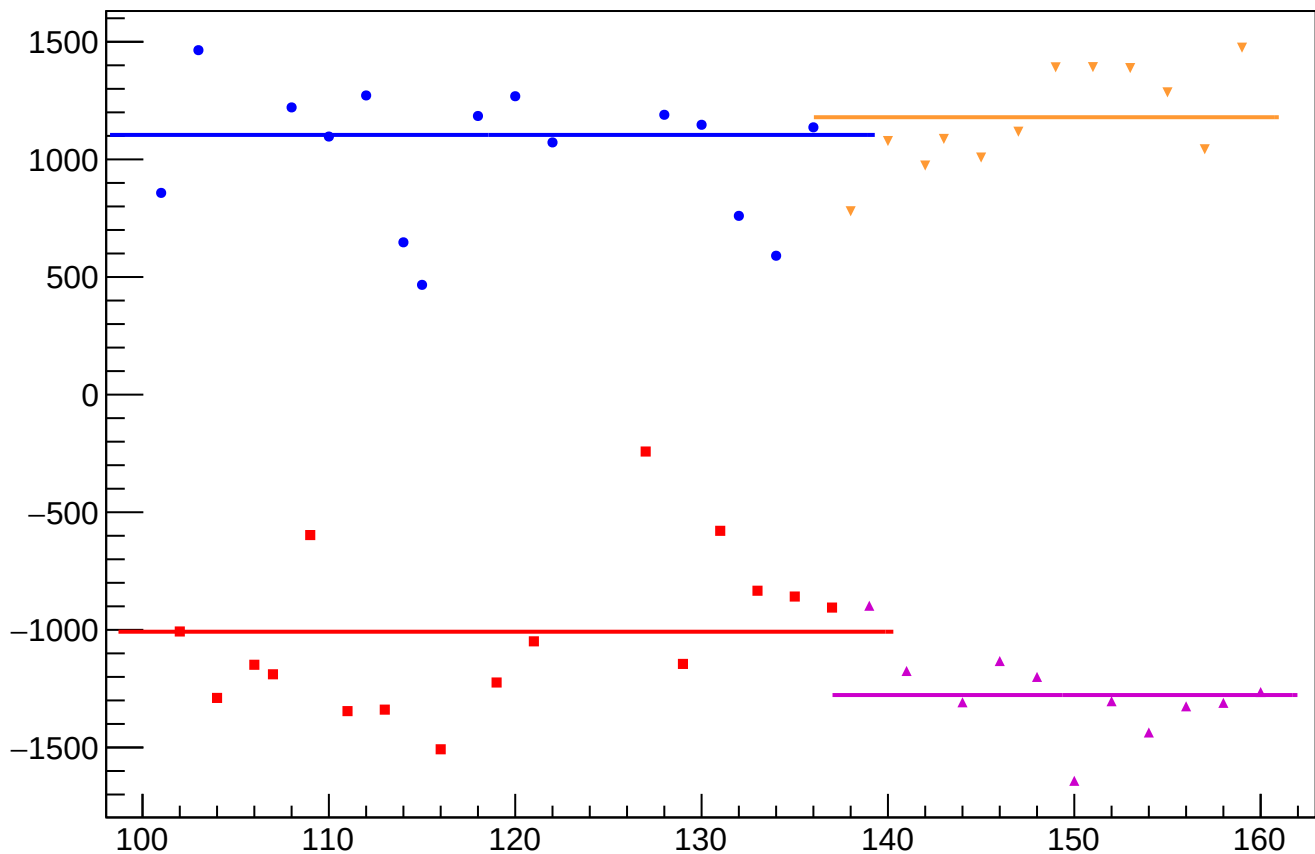
χ^2/NDF : 277636056793293374242116053515003494400.0/15

Left In: -183.411+/-0.000

χ^2/NDF : 452789814018275751637875535657304064.0/10

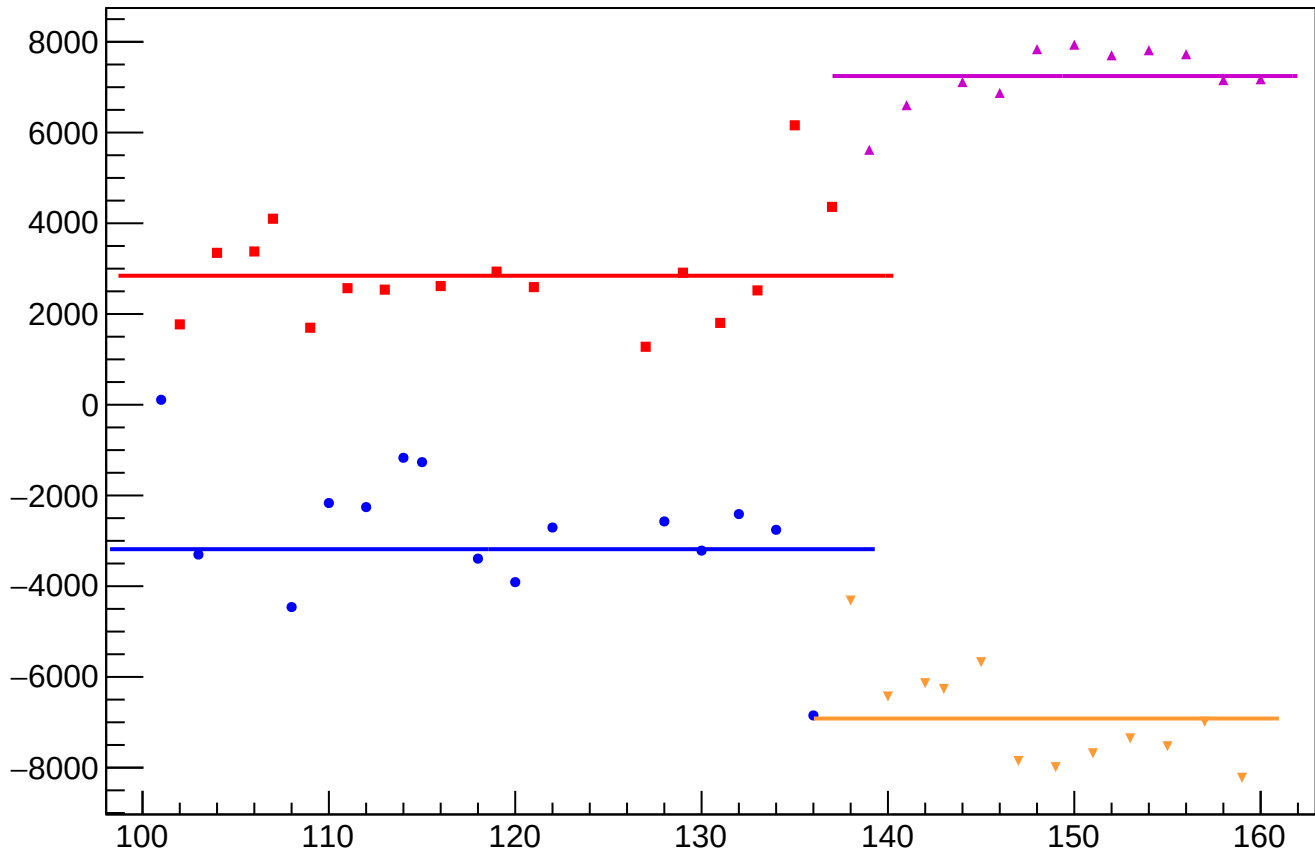
All: -19.824+/-0.000 χ^2/NDF : 618995356861

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6916.269+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1116807093678978049721043579861444067328.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.352+/-0.000 χ^2/NDF : 9367664182142015

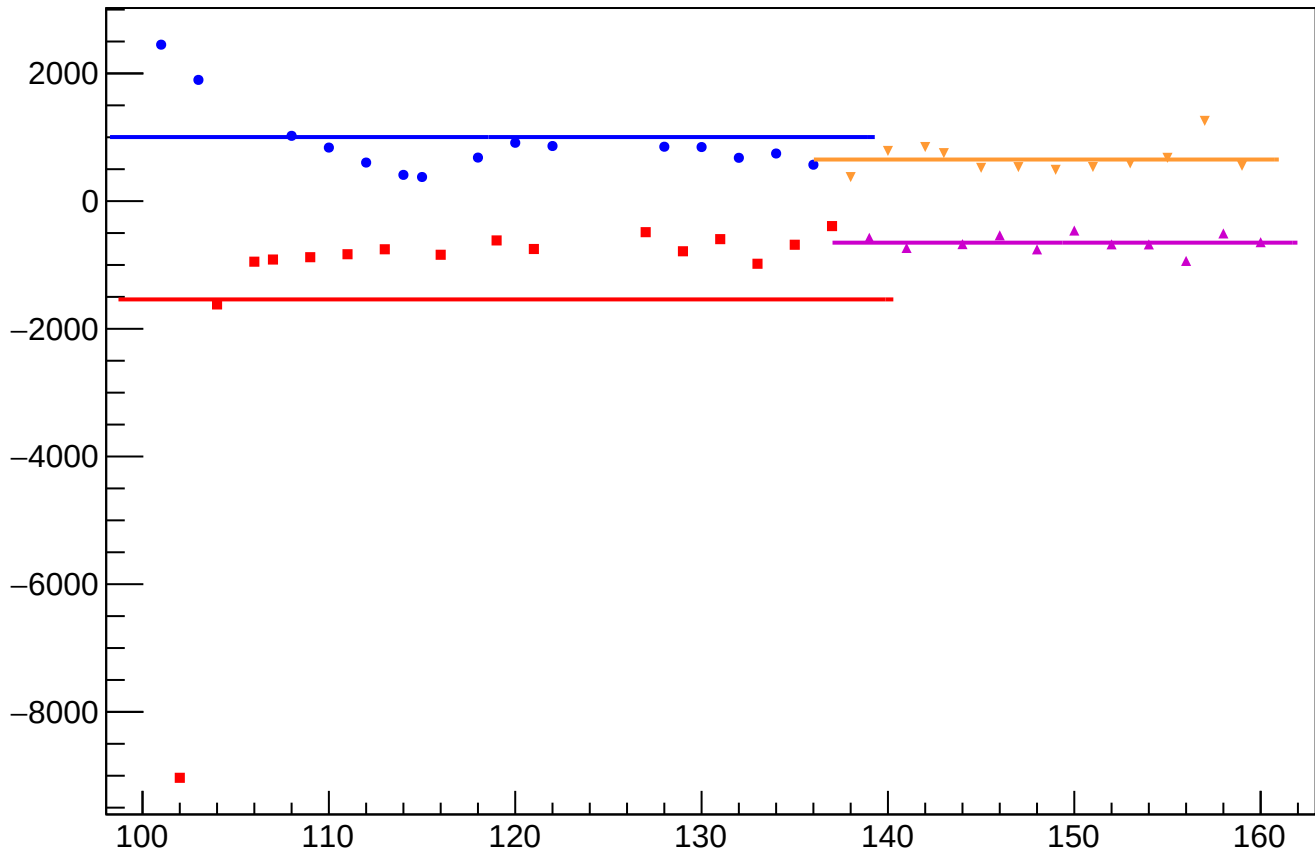
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 440076230139336

Out: -2798.729+/-0.000 χ^2/NDF : 38794467171221

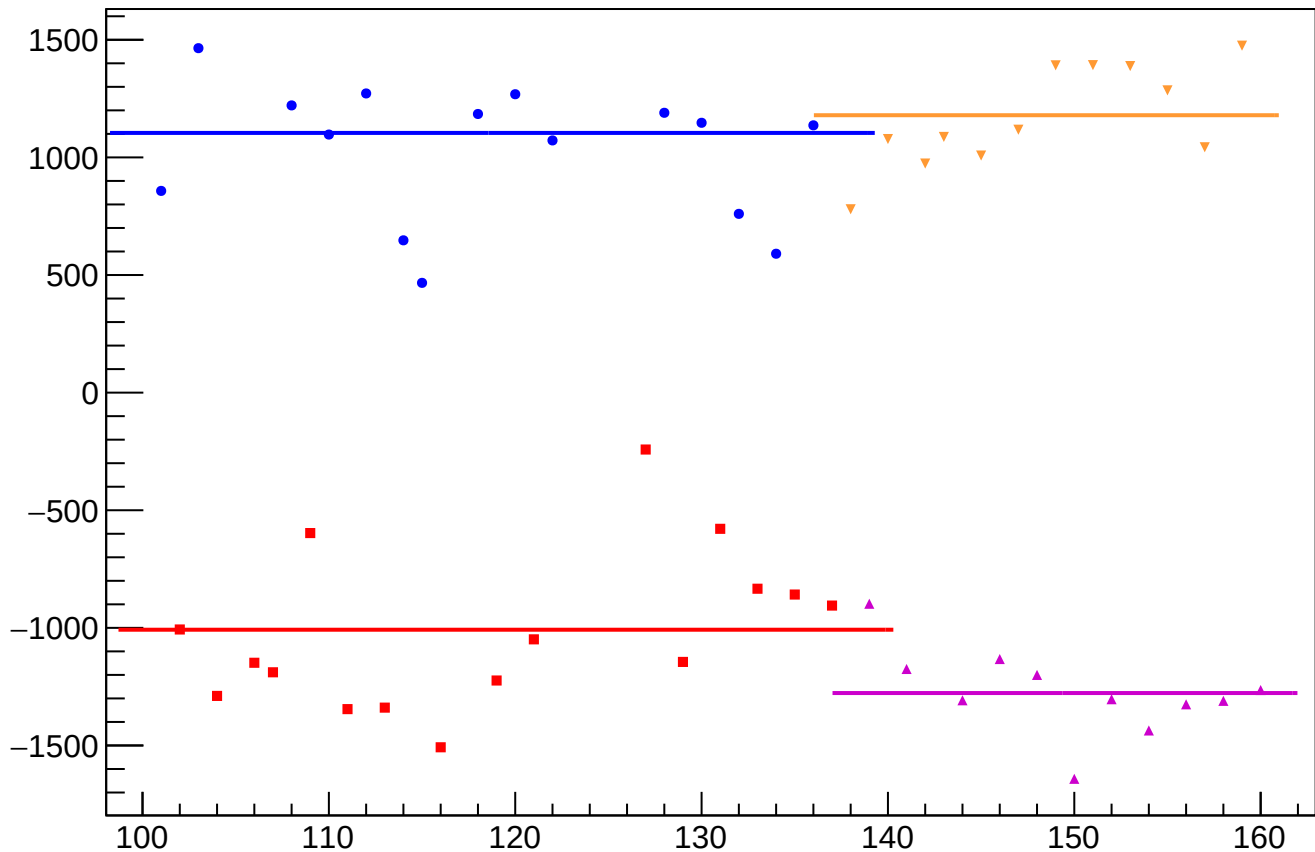
All: 64.702+/-0.000 χ^2/NDF : 1087940046919

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



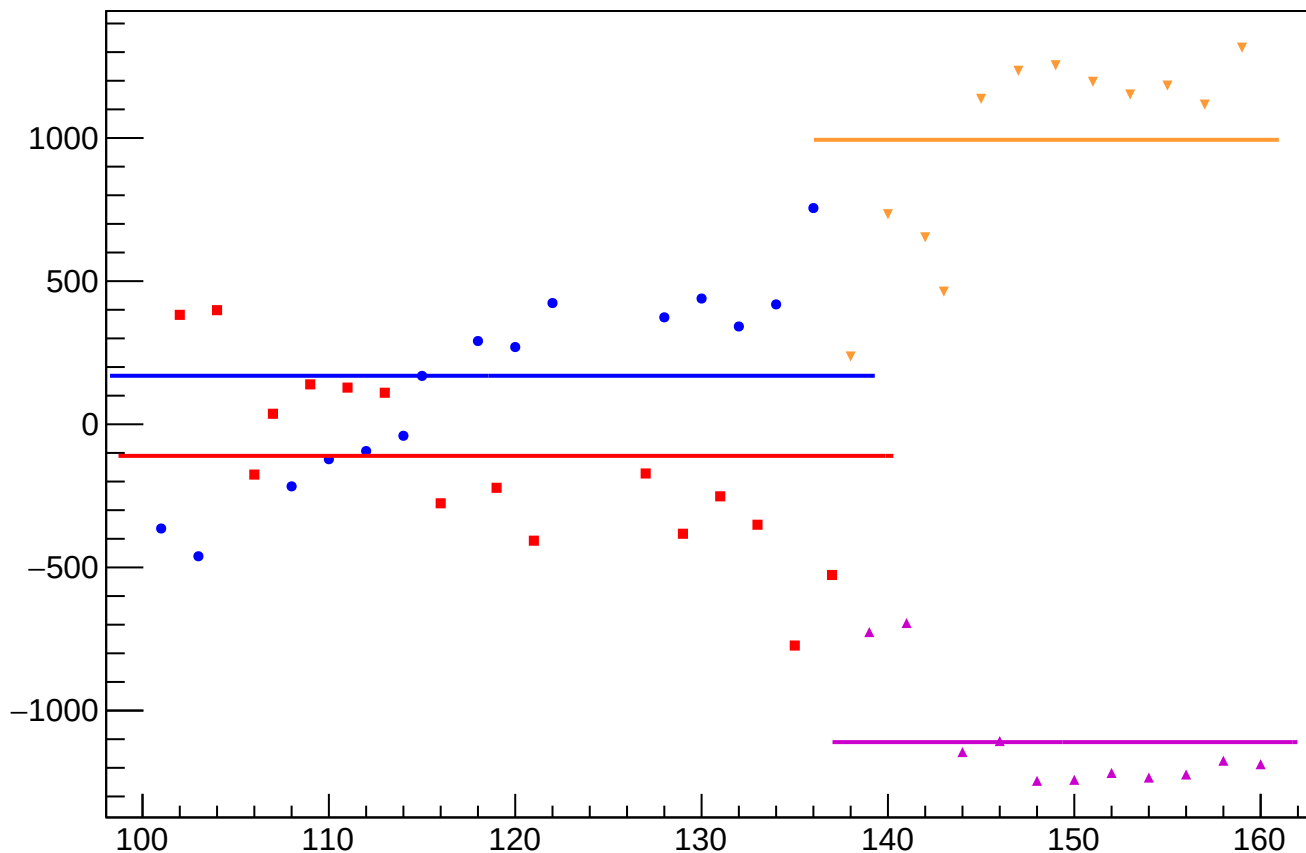
Right In: 1003.407+/-0.000 χ^2/NDF : 219815257294811198811064619822196195328.0/14
 Left Out: 651.582+/-0.000 χ^2/NDF : 45579416700188389340899783793497341952.0/11
 Right Out: -1539.568+/-0.000 χ^2/NDF : 3614774785297482293145354574125437288448.0/15
 Left In: -650.769+/-0.000 χ^2/NDF : 14776465774858799846922535858394365952.0/10
 All: -120.940+/-0.000 χ^2/NDF : 68625749232

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489 +/- 0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 993.680 +/- 0.000

χ^2/NDF : 103871744093271862136270527542037839872.0/11

Right Out: -110.289 +/- 0.000

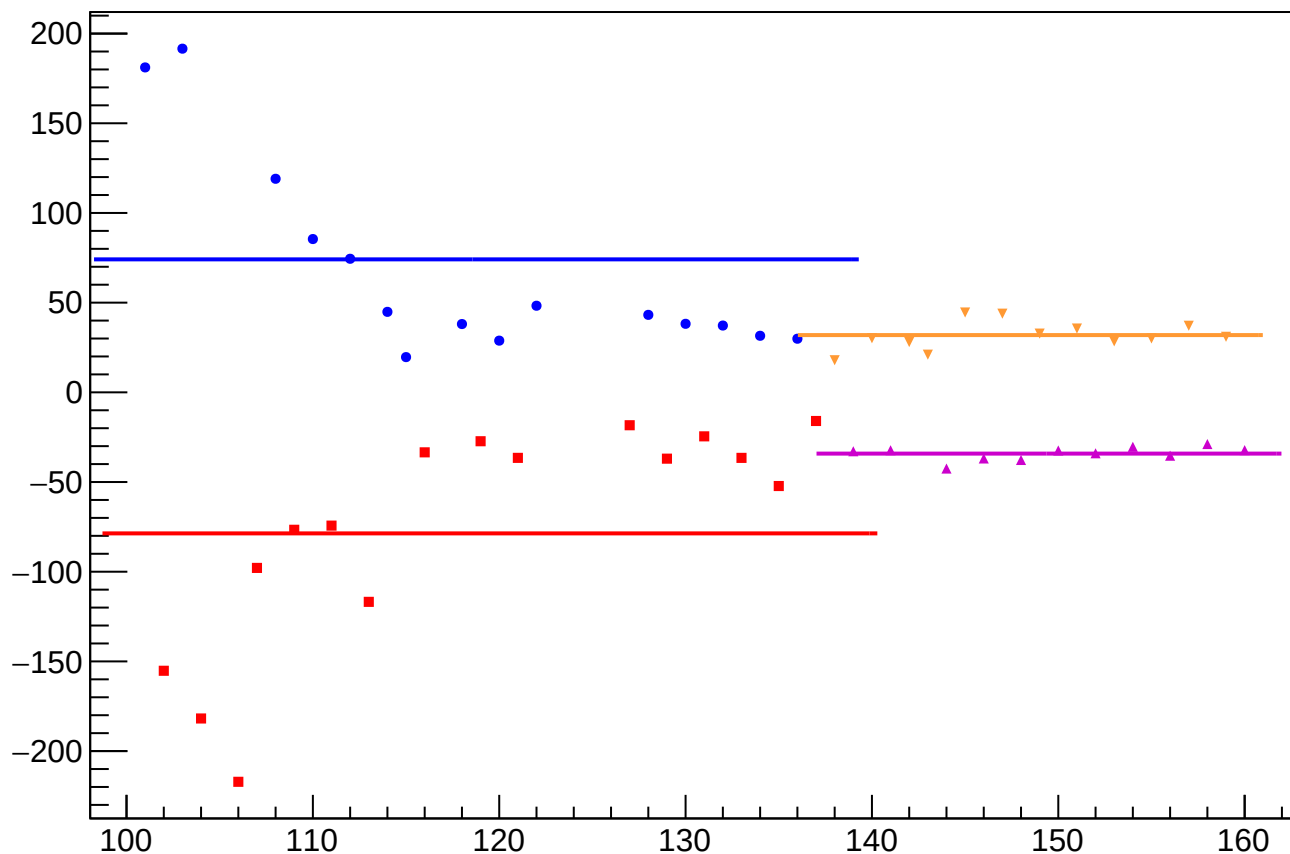
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1110.204 +/- 0.000

χ^2/NDF : 34078671675207101758695575343264169984.0/10

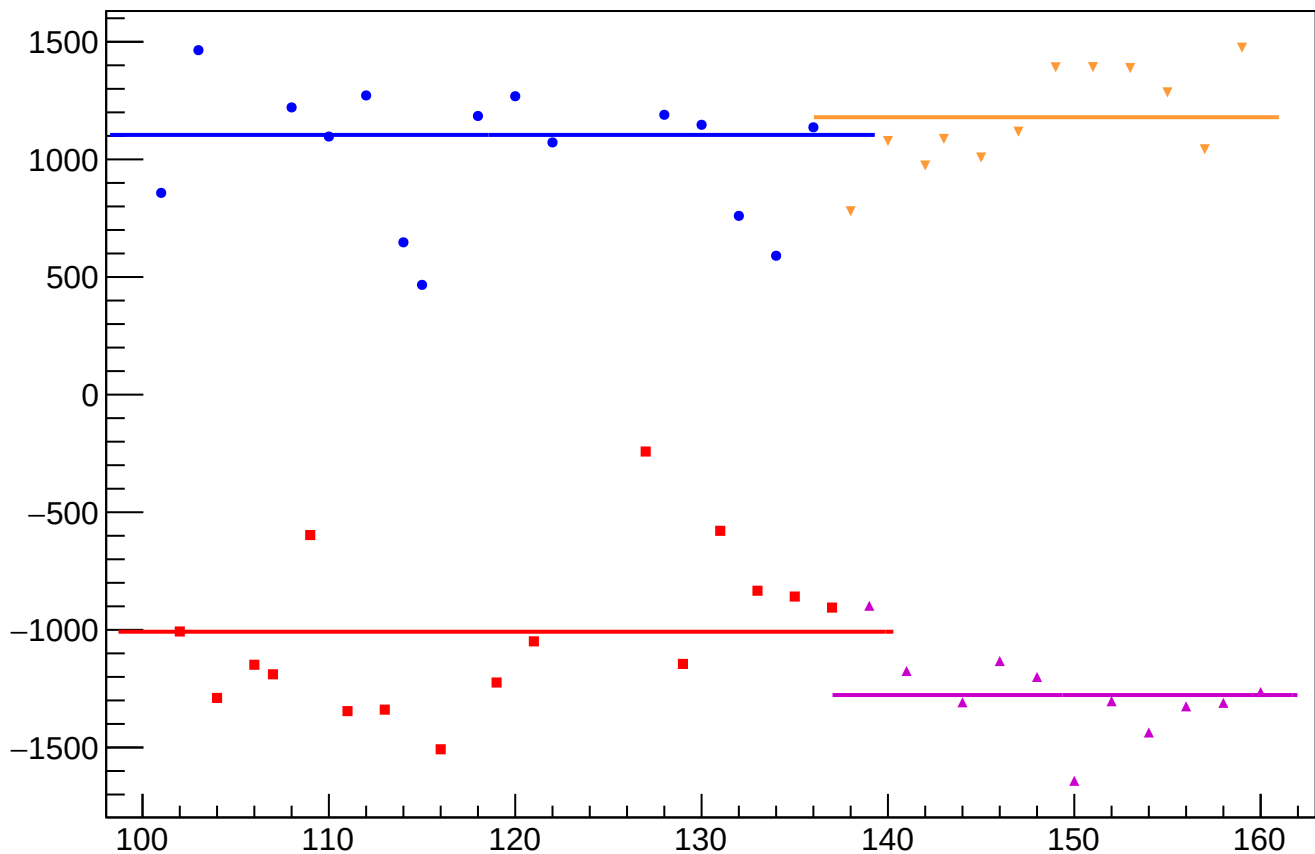
All: -25.735 +/- 0.000 χ^2/NDF : 237118807737

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



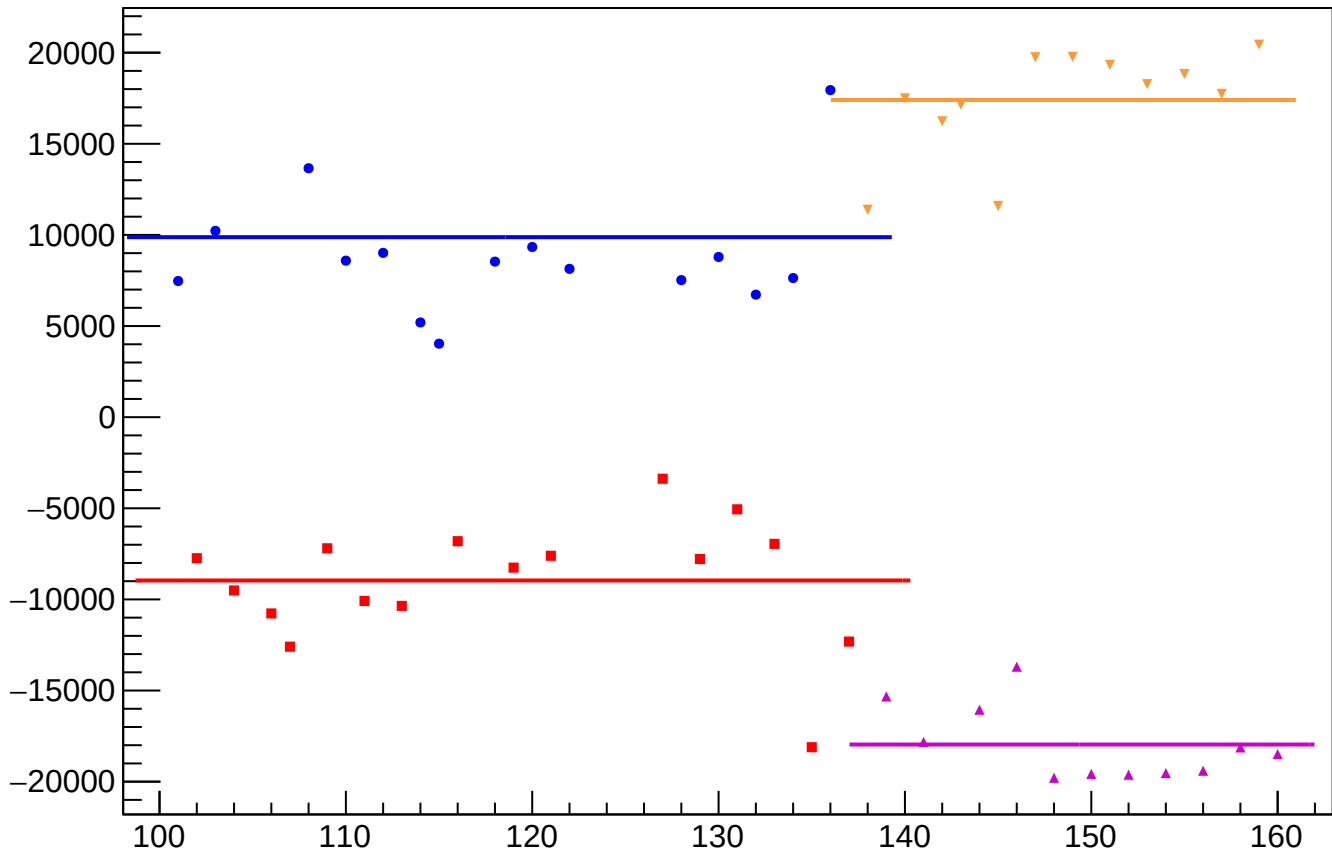
Right In: 74.129+/-0.000 χ^2/NDF : 2168375717401207322620658258081218560.0/14
 Left Out: 31.916+/-0.000 χ^2/NDF : 52391134971476446801164737802403840.0/11
 Right Out: -78.633+/-0.000 χ^2/NDF : 2343230336879830638767678903539466240.0/15
 Left In: -34.158+/-0.000 χ^2/NDF : 12535781757096828038064244290224128.0/10
 All: -2.134+/-0.000 χ^2/NDF : 1426173775487

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



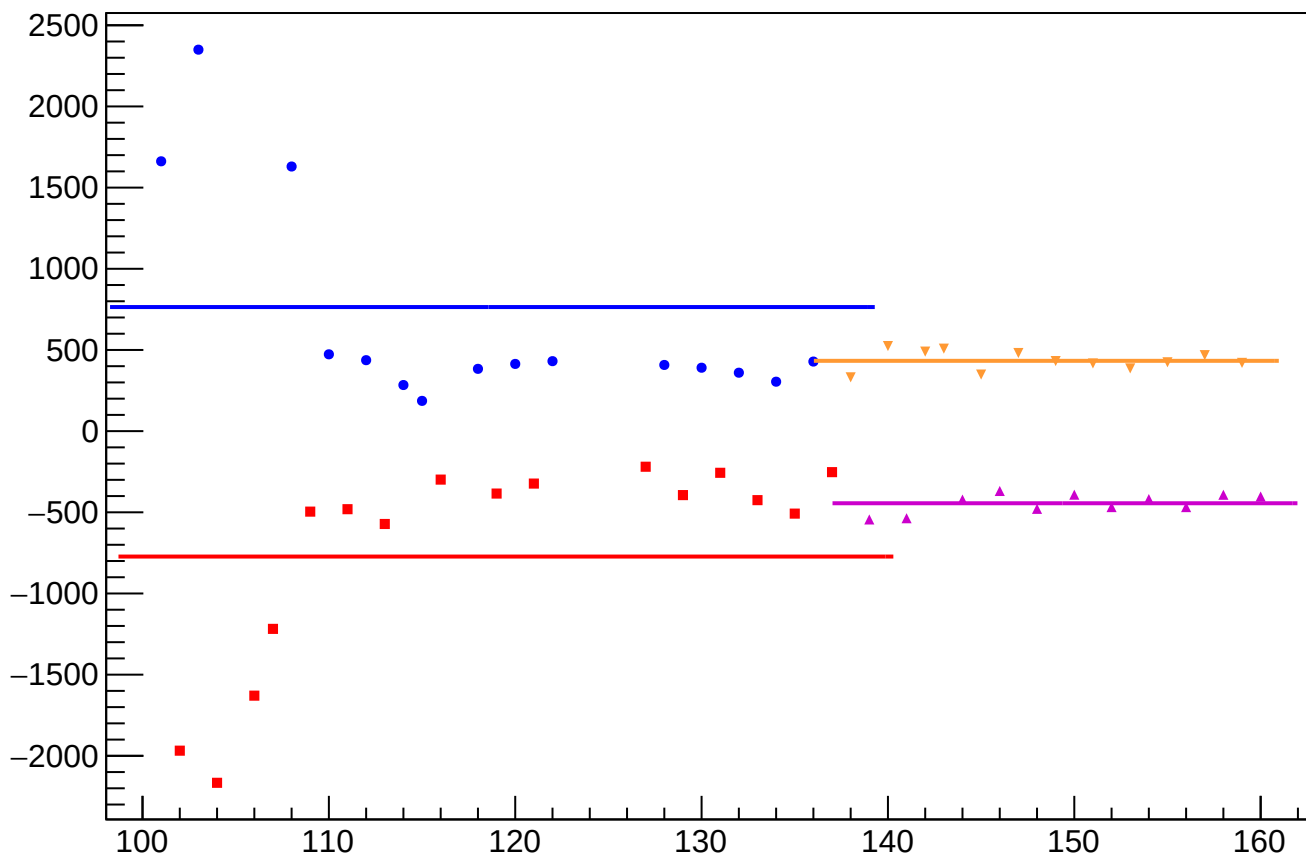
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 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

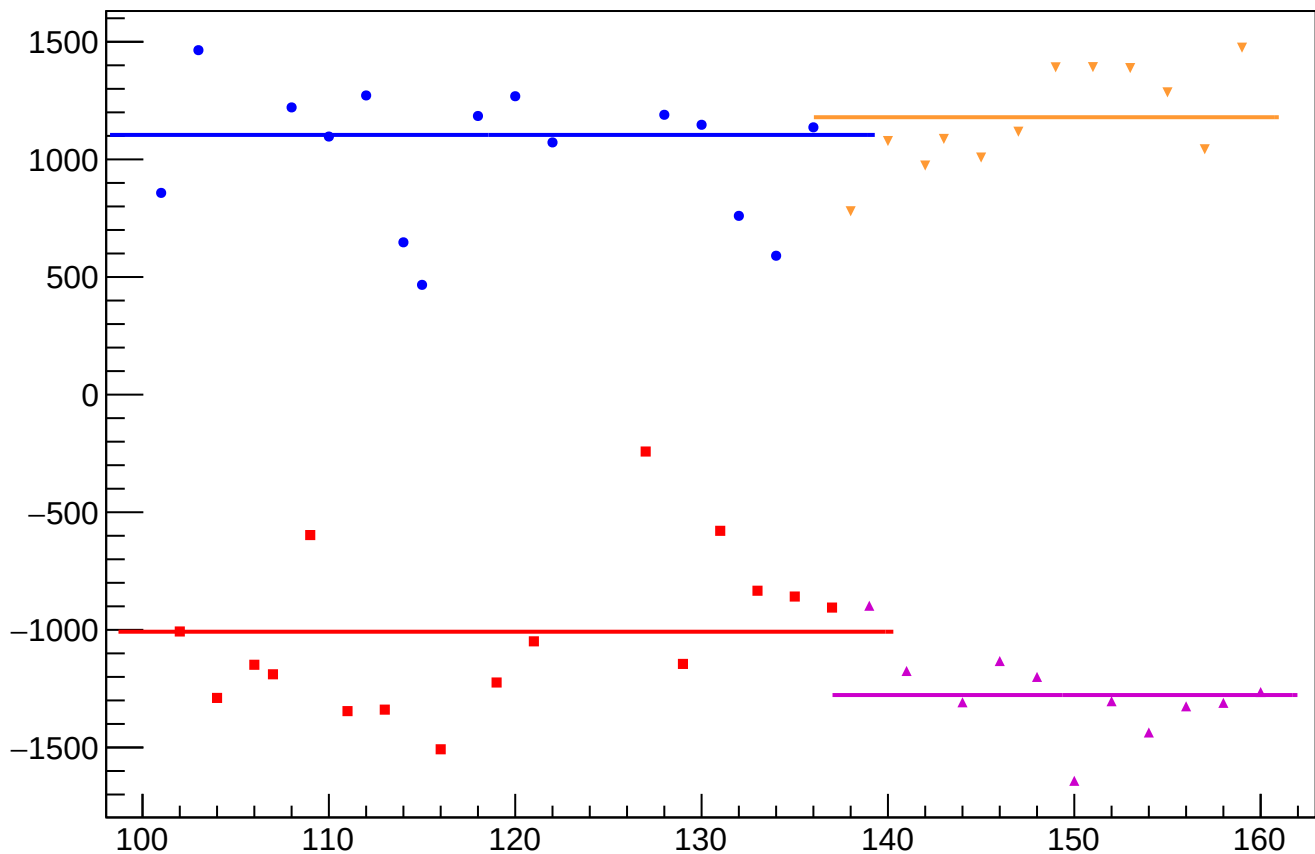
Left Out: 433.079+/-0.000 χ^2/NDF : 3070370524438239159273190119476035584.0/11

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

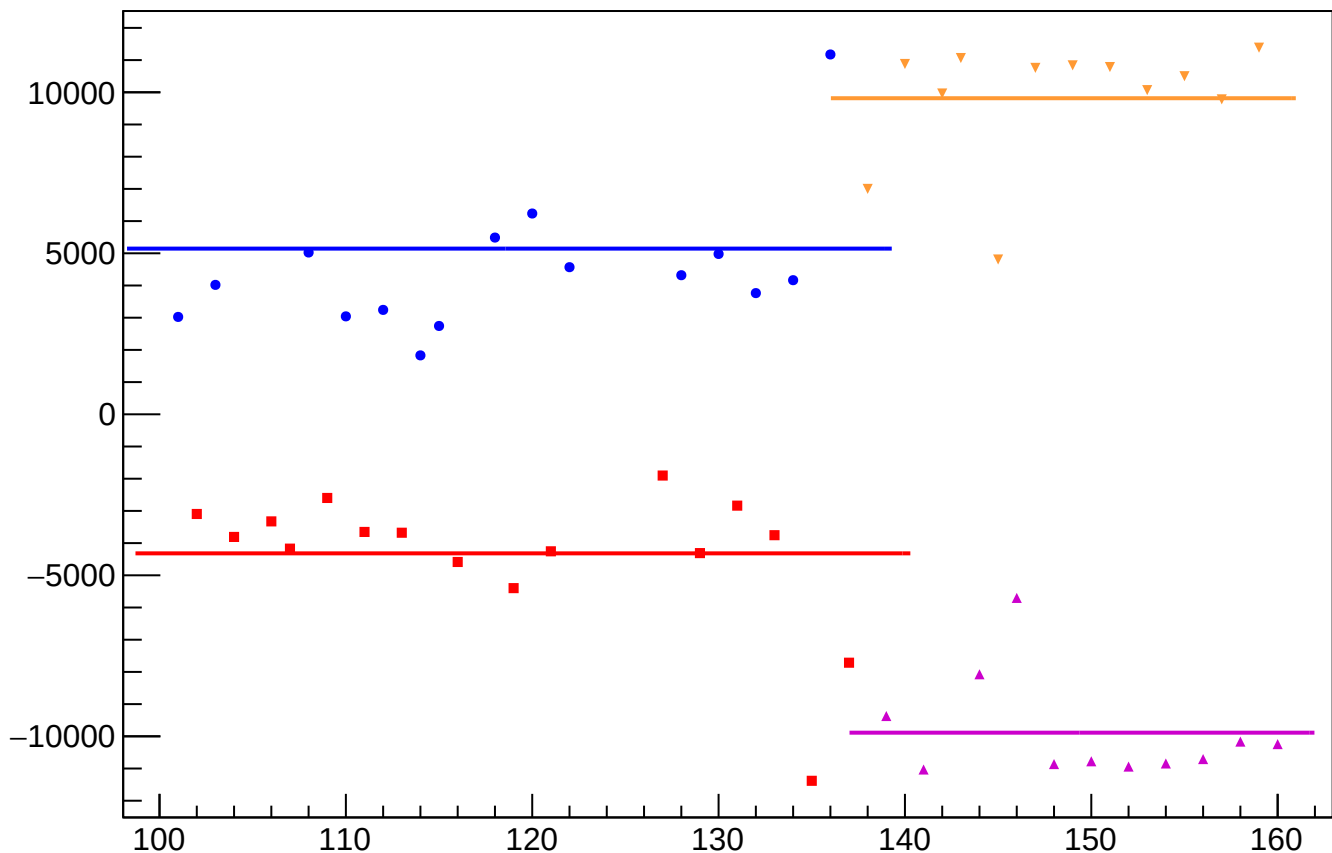
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

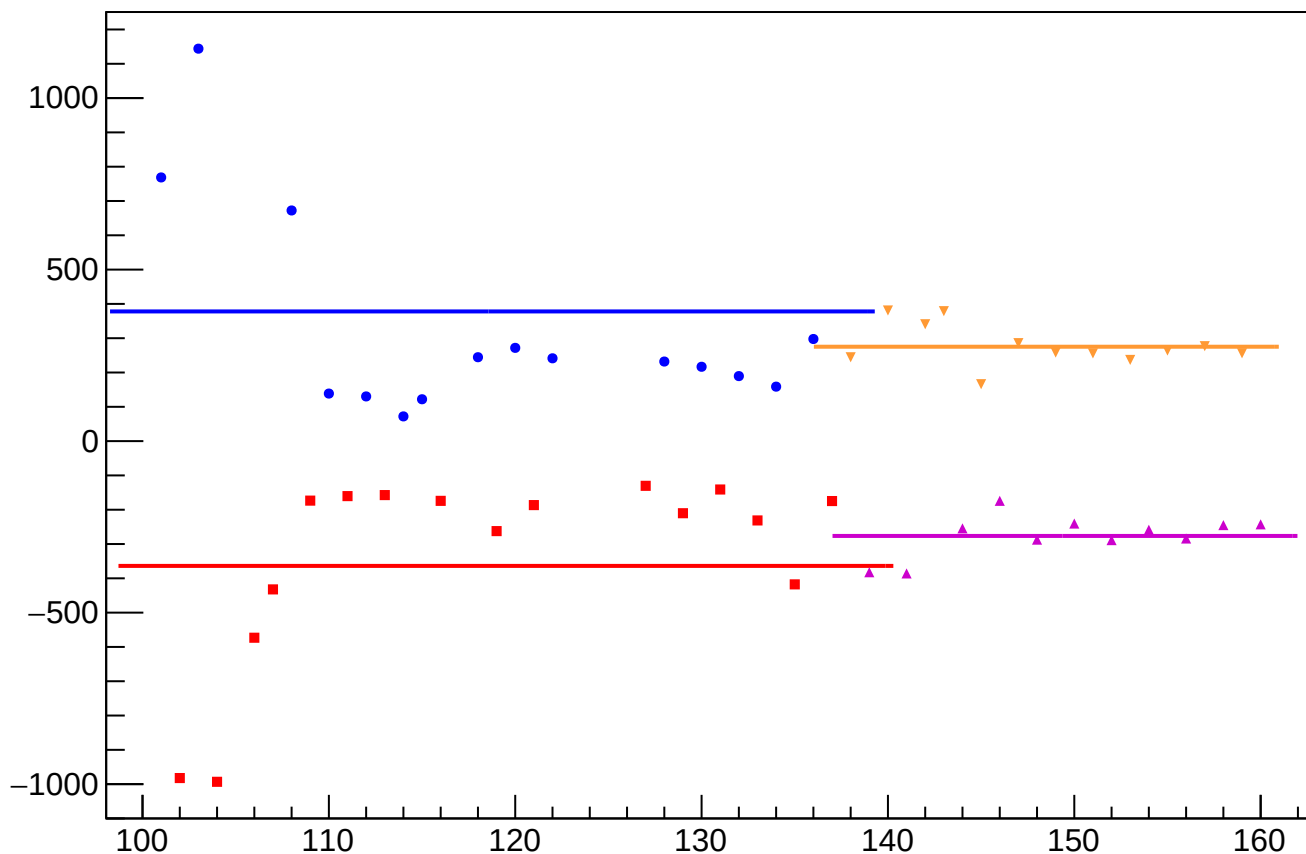
All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam3_coil3_mean vs Slug, Sign Corrected



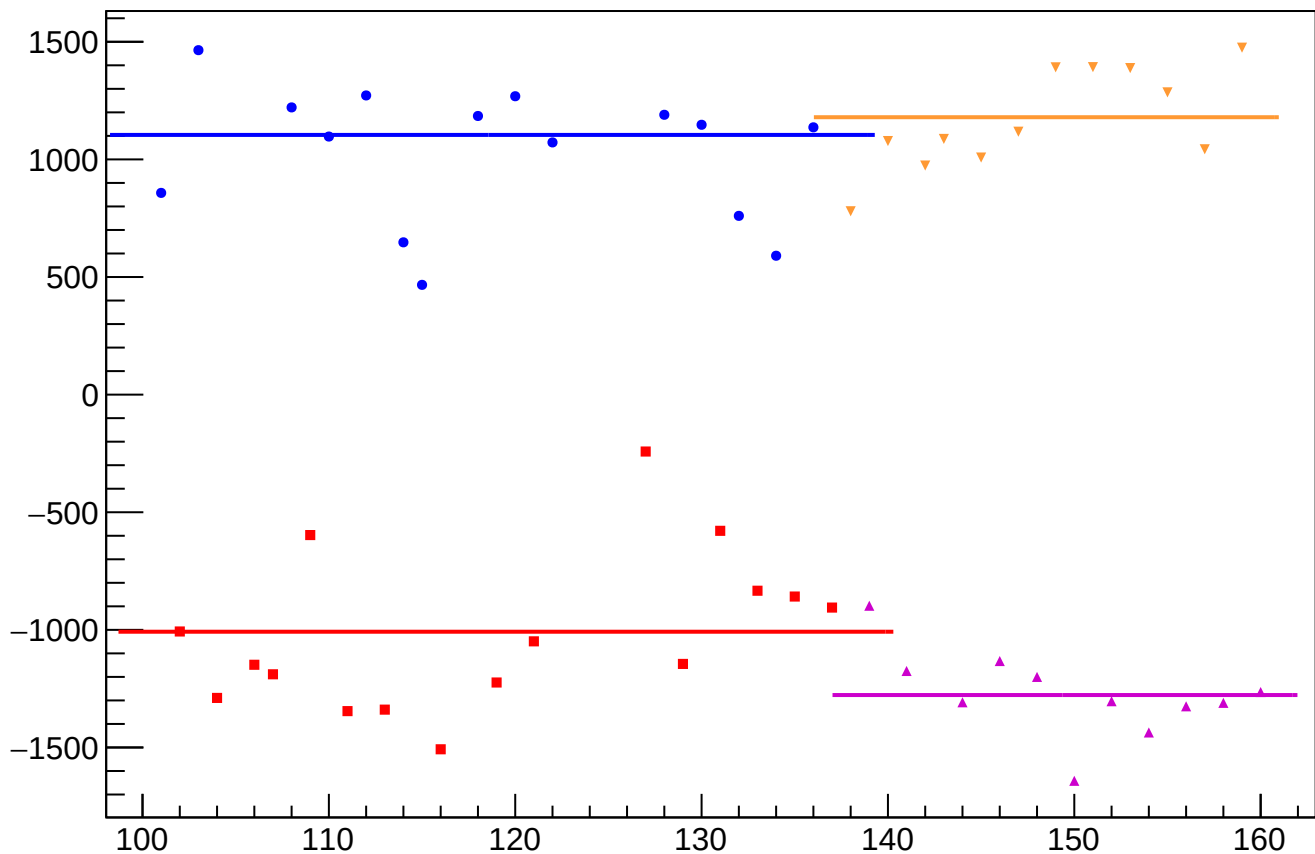
Right In: 5145.657+/-0.000	χ^2/NDF : 4272867262459372237810540195851662262272.0/14	Left: -89.265+/-0.000	χ^2/NDF : 1838935043265731
Left Out: 9815.736+/-0.000	χ^2/NDF : 3242126212507286714618316704208262266880.0/11	Right: 349.044+/-0.000	χ^2/NDF : 370788219703753
Right Out: -4318.126+/-0.000	χ^2/NDF : 3345176554564755427312533888908526616576.0/15	In: -3684.756+/-0.000	χ^2/NDF : 927030037862326
Left In: -9887.069+/-0.000	χ^2/NDF : 2278516780225824082632420288802127347712.0/10	Out: 3852.873+/-0.000	χ^2/NDF : 836176493055076
	All: 93.618+/-0.000		χ^2/NDF : 2211196592737

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



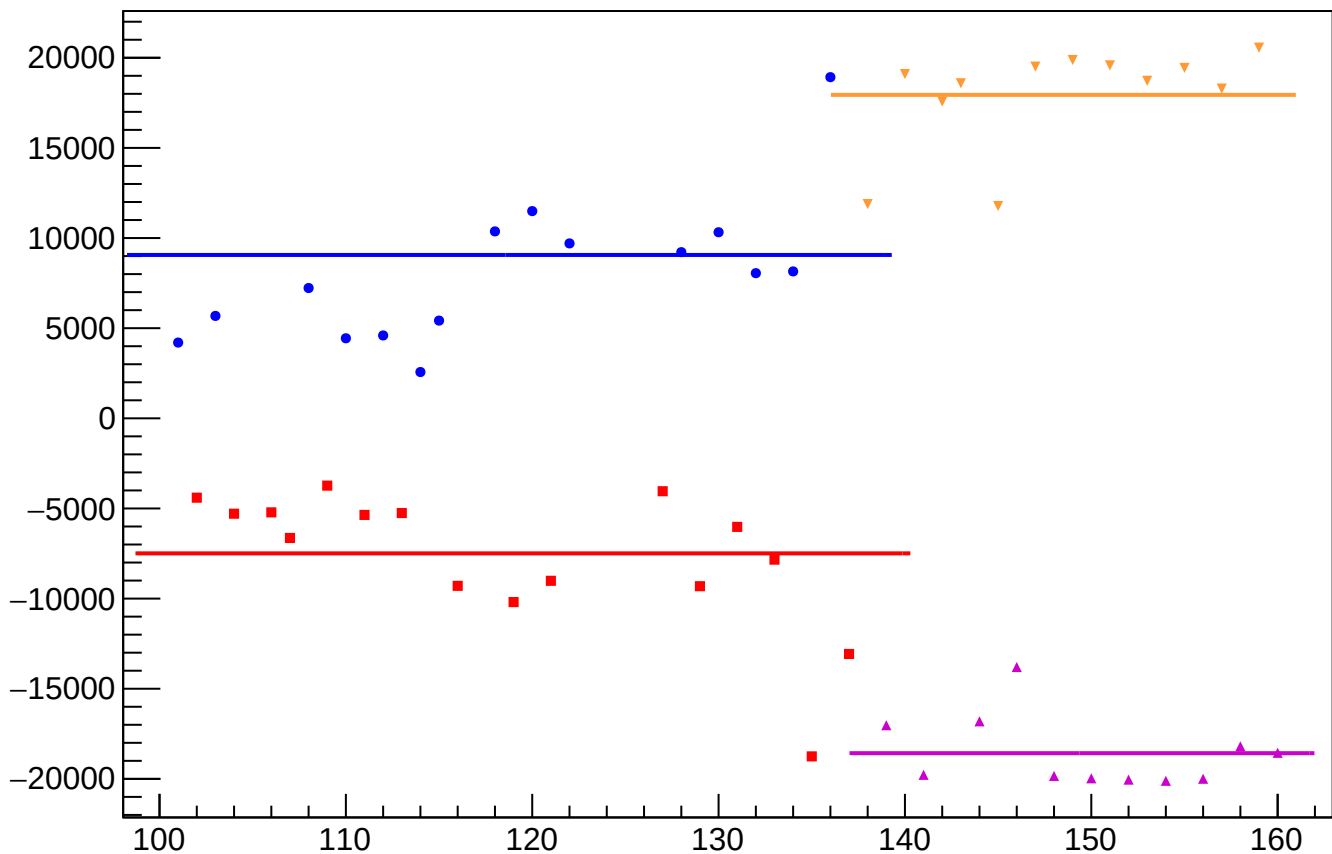
Right In: 378.052 $\pm$ 0.000 χ^2 /NDF: 61516590022593053040860760861331947520.0/14
 Left Out: 275.181 $\pm$ 0.000 χ^2 /NDF: 3063973924838483752648023856495198208.0/11
 Right Out: -363.772 $\pm$ 0.000 χ^2 /NDF: 59031337484709801804181439342706688000.0/15
 Left In: -276.429 $\pm$ 0.000 χ^2 /NDF: 3176476969276554988209041450490396672.0/10
 All: -0.376 $\pm$ 0.000 χ^2 /NDF: 4476277184699

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



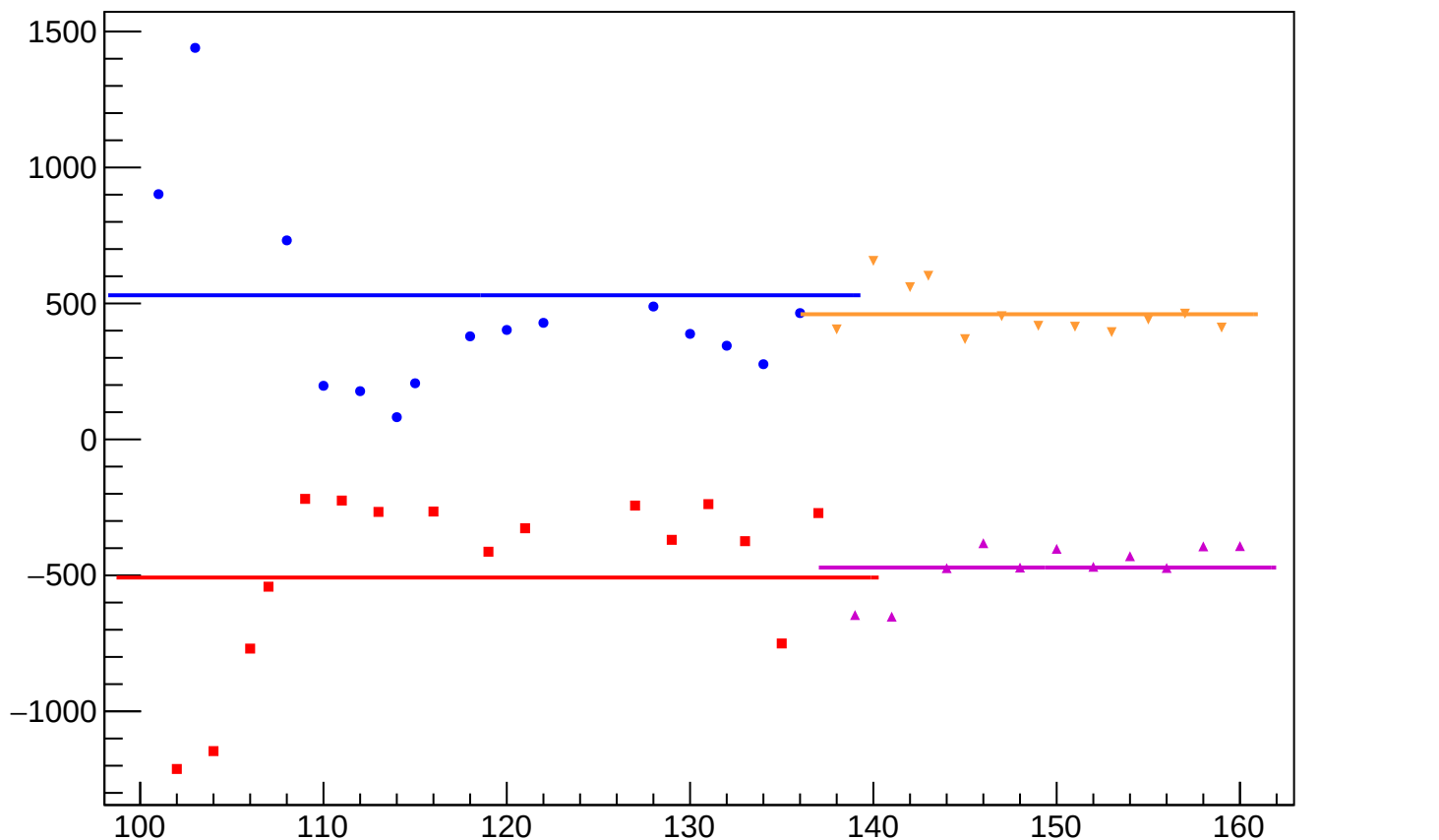
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 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

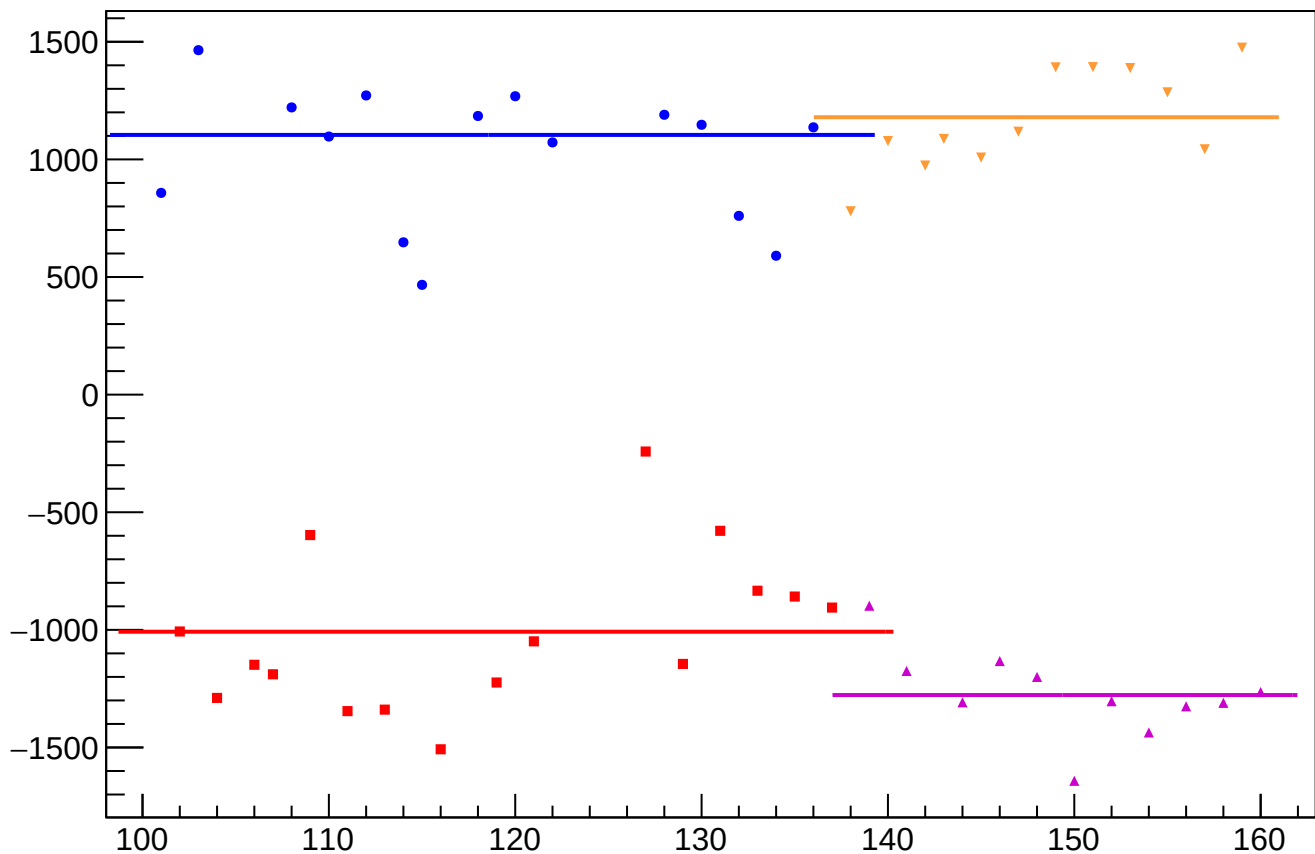
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -471.219+/-0.000

χ^2/NDF : 7445973219160336257467772011051745280.0/10

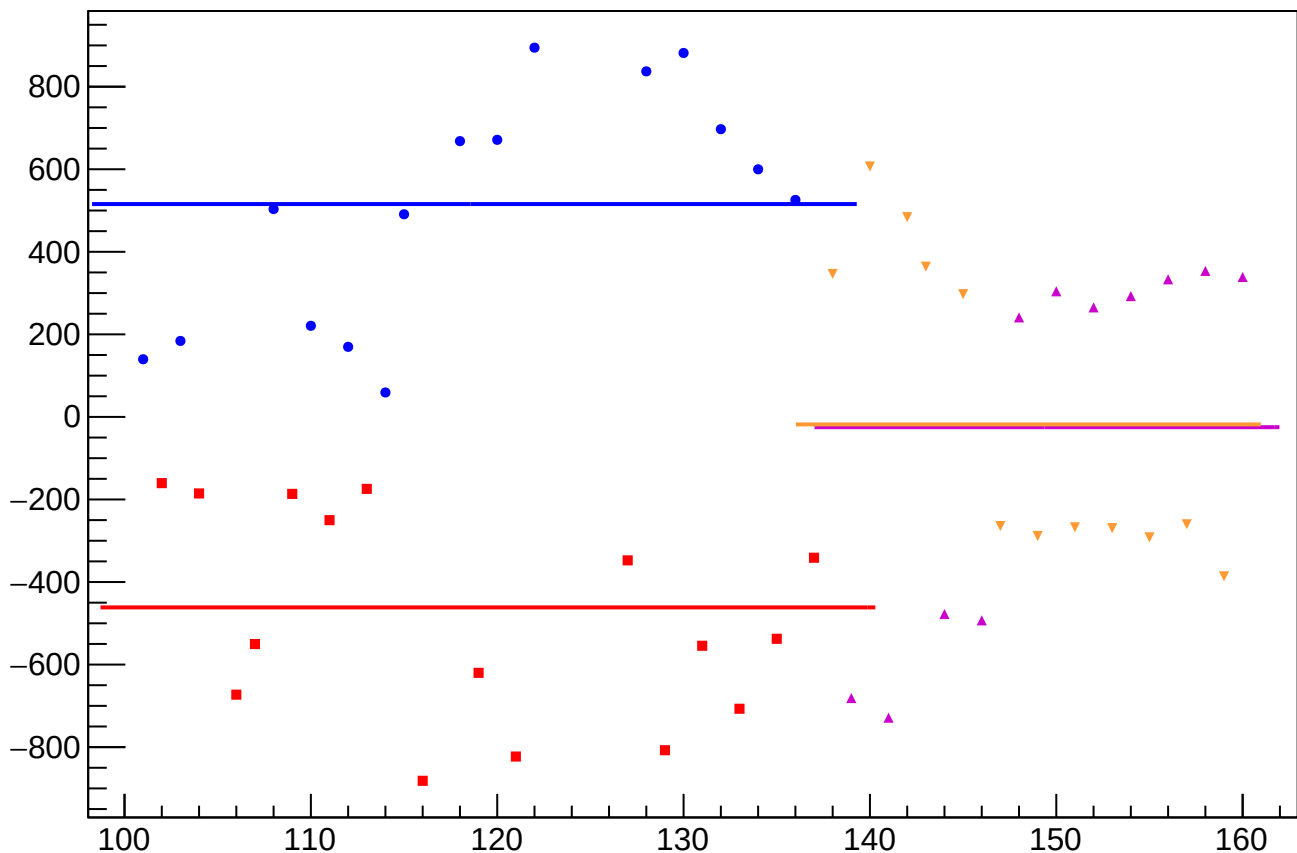
Left: -7.988+/-0.000 χ^2/NDF : 41292053384474531
 Right: 3.936+/-0.000 χ^2/NDF : 50988723963729126
 In: -58.105+/-0.000 χ^2/NDF : 46840539671479809
 Out: 51.802+/-0.000 χ^2/NDF : 44498677720954542
 All: -3.012+/-0.000 χ^2/NDF : 9229168077860

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



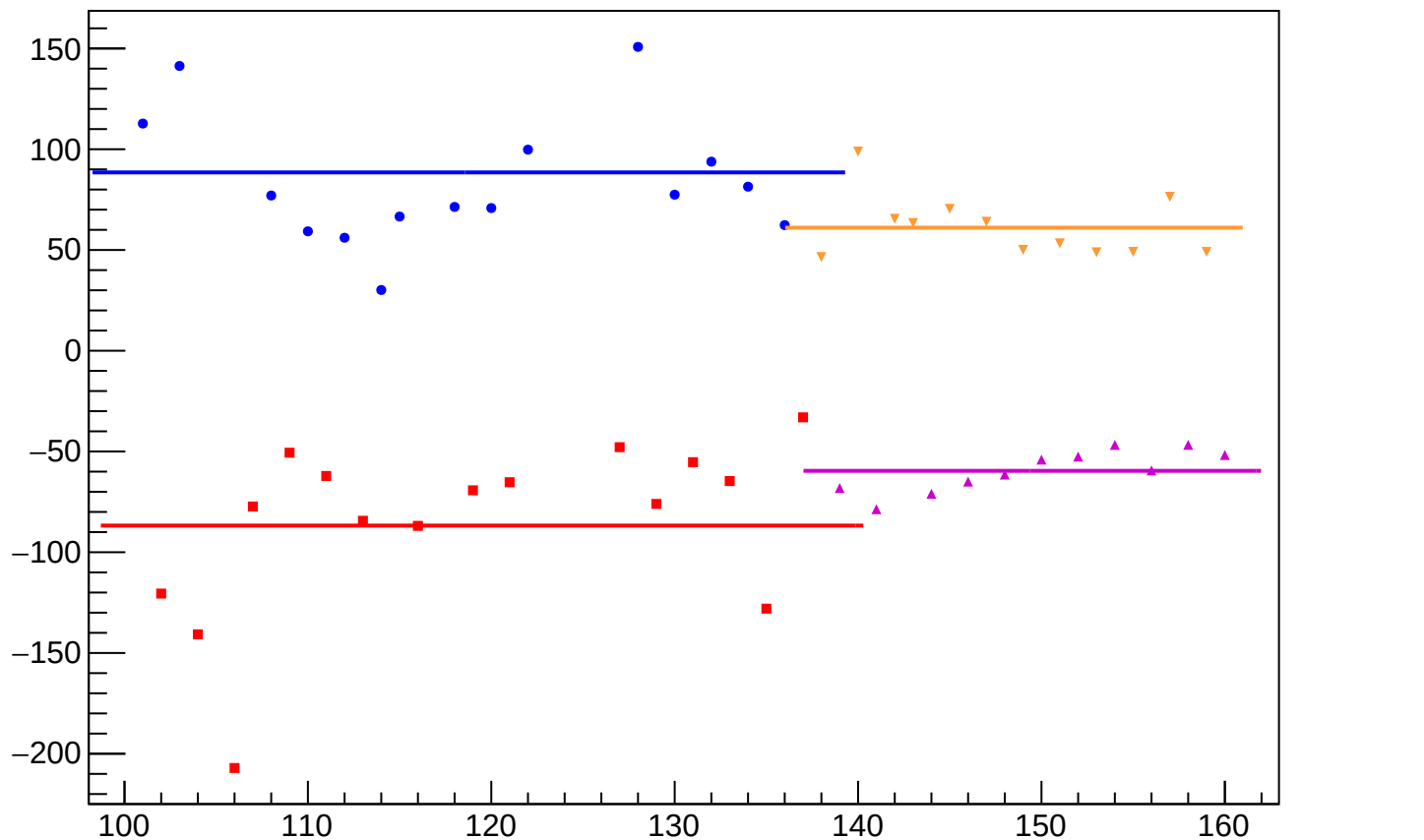
Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 +/- 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 +/- 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 +/- 0.000 χ^2/NDF : 441608022845

dit_sam5_coil3_mean vs Slug, Sign Corrected



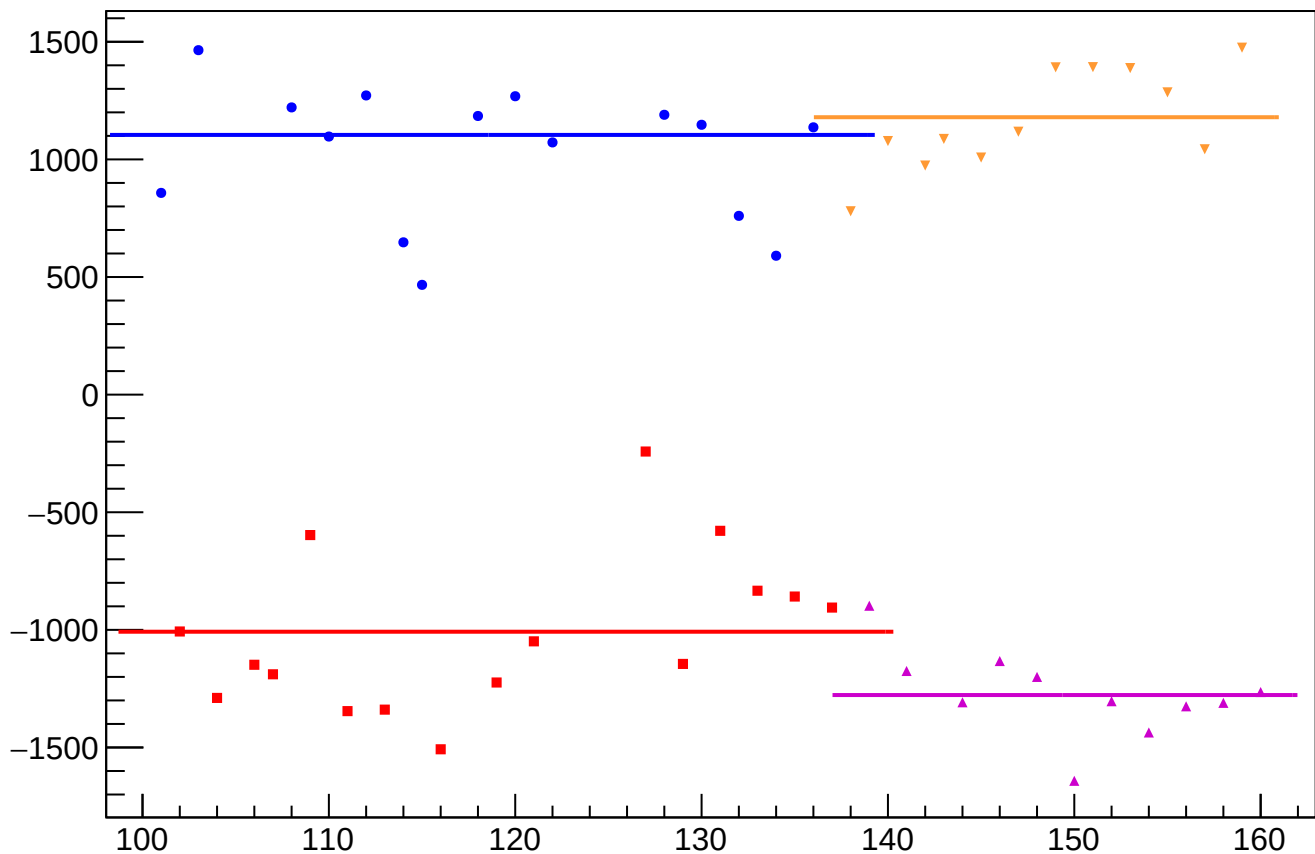
Left: -21.540 ± 0.000 $\chi^2/\text{NDF}: 2912056569899347$
 Right In: 515.635 ± 0.000 $\chi^2/\text{NDF}: 48465403420573957292673062371162324992.0/14$
 Right: 20.387 ± 0.000 $\chi^2/\text{NDF}: 4030056130167457$
 Left Out: -18.146 ± 0.000 $\chi^2/\text{NDF}: 114014627327363890146179797072763420672.0/11$
 In: 198.120 ± 0.000 $\chi^2/\text{NDF}: 33702193102447450$
 Right Out: -461.497 ± 0.000 $\chi^2/\text{NDF}: 40473746660091355928063306884368564224.0/15$
 Out: -205.189 ± 0.000 $\chi^2/\text{NDF}: 230282610229259$
 Left In: -24.898 ± 0.000 $\chi^2/\text{NDF}: 177170083146066340419686697250307702784.0/10$
 All: -4.046 ± 0.000 $\chi^2/\text{NDF}: 6955593653745$

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



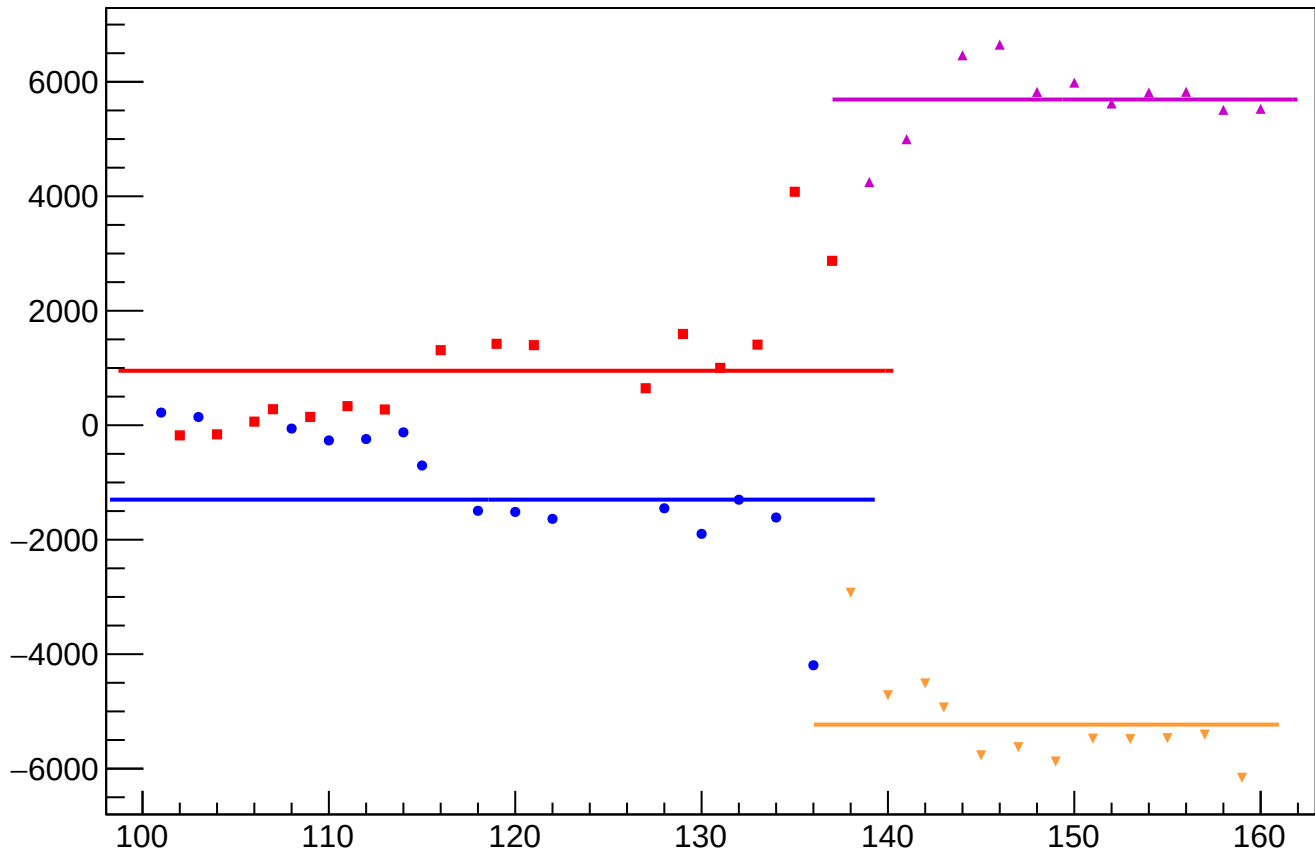
Right In: 88.493 ± 0.000 $\chi^2/\text{NDF}: 643231155193035512625817963208900608.0/14$
 Left Out: 61.067 ± 0.000 $\chi^2/\text{NDF}: 211507080213048507647331077961285632.0/11$
 Right Out: -86.773 ± 0.000 $\chi^2/\text{NDF}: 1059206766314086021240525003228708864.0/15$
 Left In: -59.604 ± 0.000 $\chi^2/\text{NDF}: 90862625181985664375323463168032768.0/10$
 All: 0.094 ± 0.000 $\chi^2/\text{NDF}: 18800505371841$

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5230.164+/-0.000

Right Out: 951.903+/-0.000

Left In: 5690.941+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 621337546754048275745011650527081005056.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 35577462072294886968040460749891436544.0/10

Left: 260.098+/-0.000 χ^2/NDF : 5578029245557142

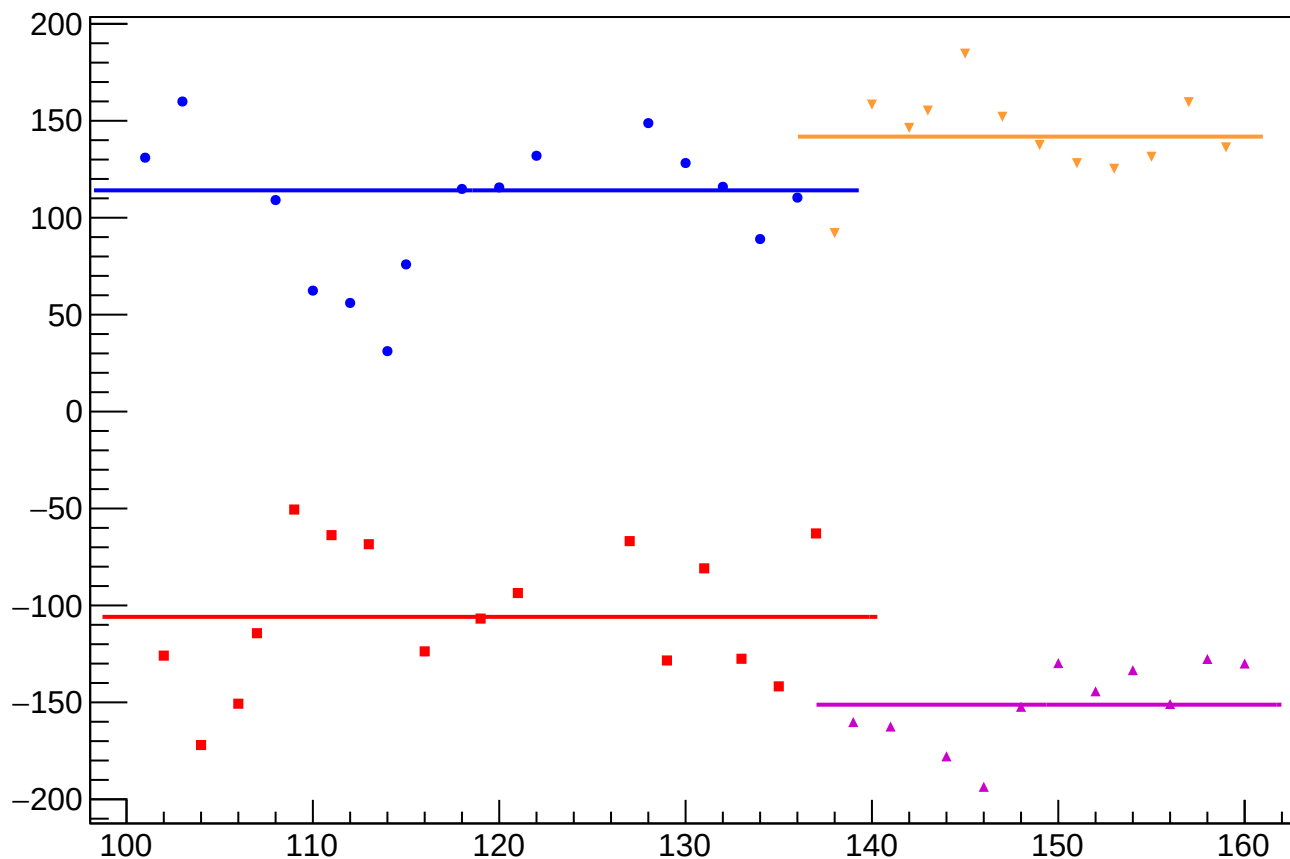
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2622.043+/-0.000 χ^2/NDF : 16199599941303

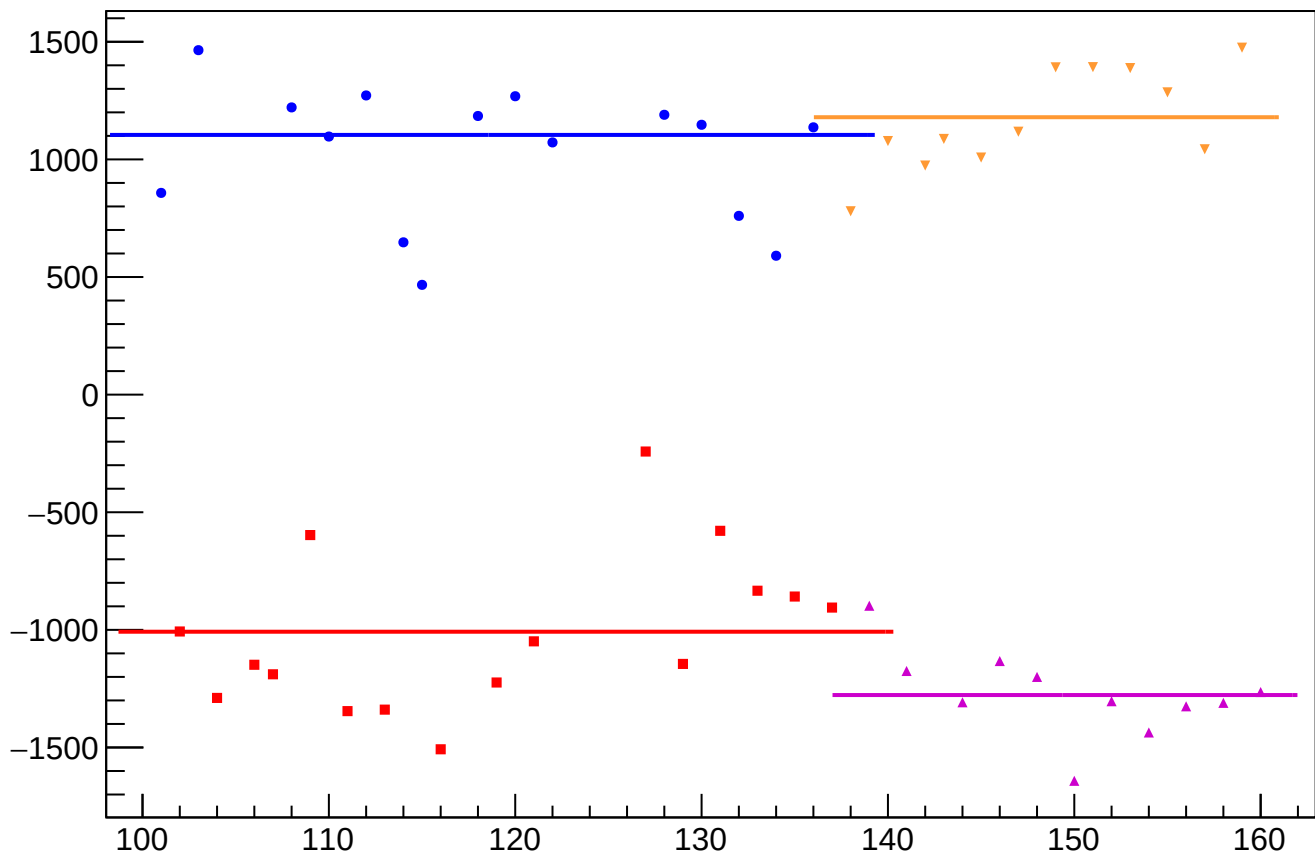
All: 85.397+/-0.000 χ^2/NDF : 5962362698239

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



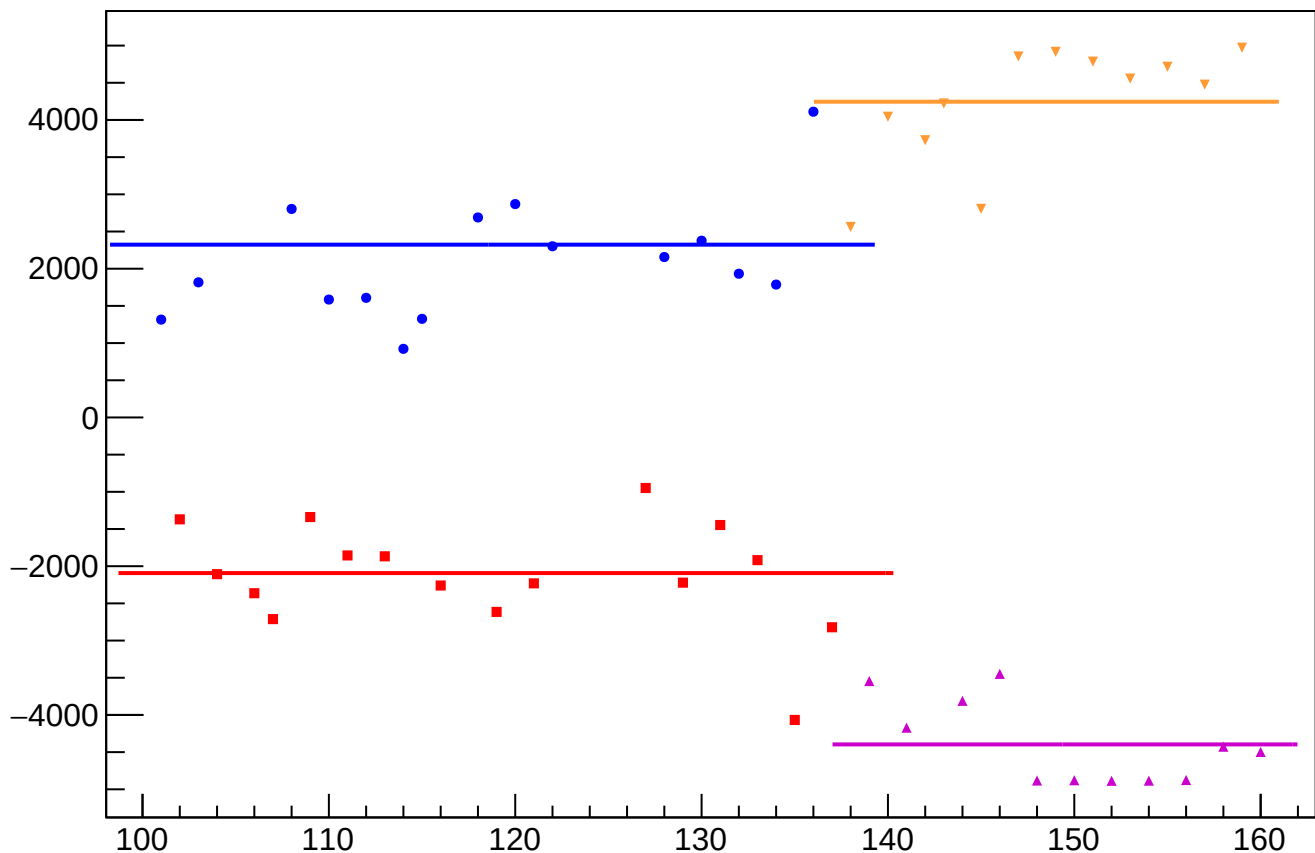
Right In: 114.118 $\pm$ 0.000 χ^2 /NDF: 607226770891525118881736460452495360.0/14
 Left Out: 141.844 $\pm$ 0.000 χ^2 /NDF: 455273254245846333149237795723673600.0/11
 Right Out: -105.890 $\pm$ 0.000 χ^2 /NDF: 851861355270591521058611007535972352.0/15
 Left In: -151.203 $\pm$ 0.000 χ^2 /NDF: 382227652604999337577431549784096768.0/10
 All: -2.103 $\pm$ 0.000 χ^2 /NDF: 5772748991096

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



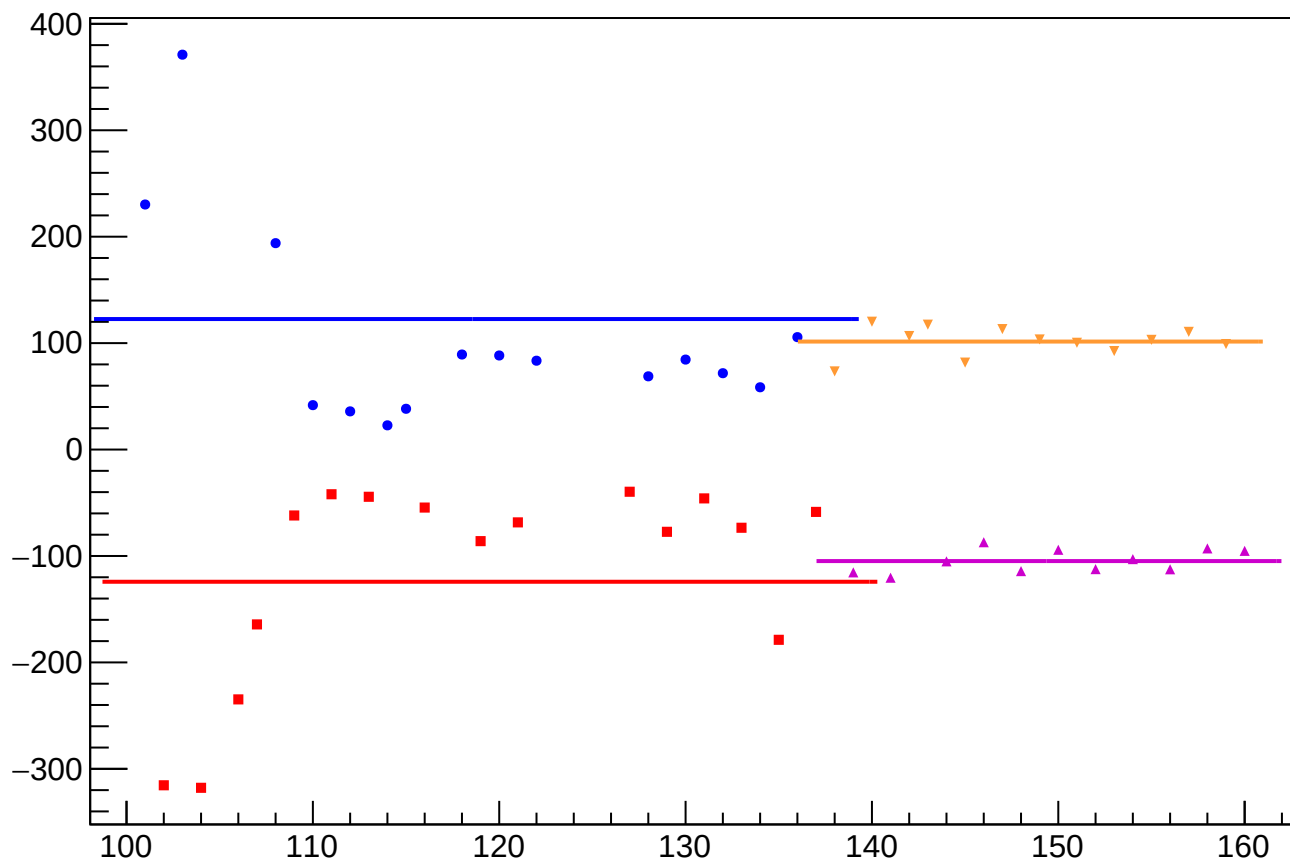
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam7_coil3_mean vs Slug, Sign Corrected



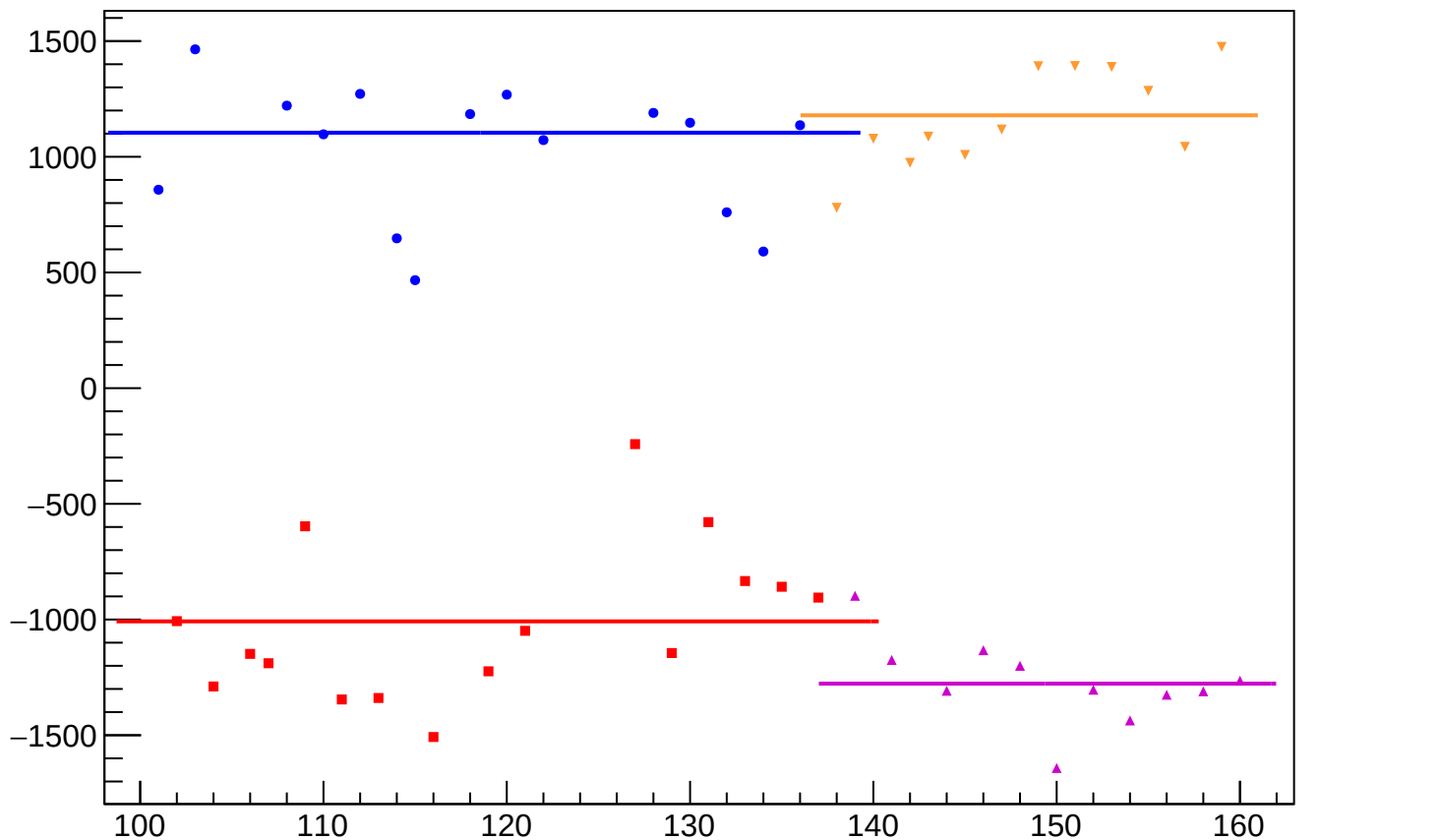
Right In: 2323.372+/-0.000 χ^2/NDF : 476371189888349375964725620757728591872.0/14
 Left Out: 4245.269+/-0.000 χ^2/NDF : 560100037882540295630660663570463719424.0/11
 Right Out: -2092.458+/-0.000 χ^2/NDF : 367126080872166122663684022473339174912.0/15
 Left In: -4396.069+/-0.000 χ^2/NDF : 270326441631367265143713722564756897792.0/10
 All: -22.065+/-0.000 χ^2/NDF : 424251896737

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



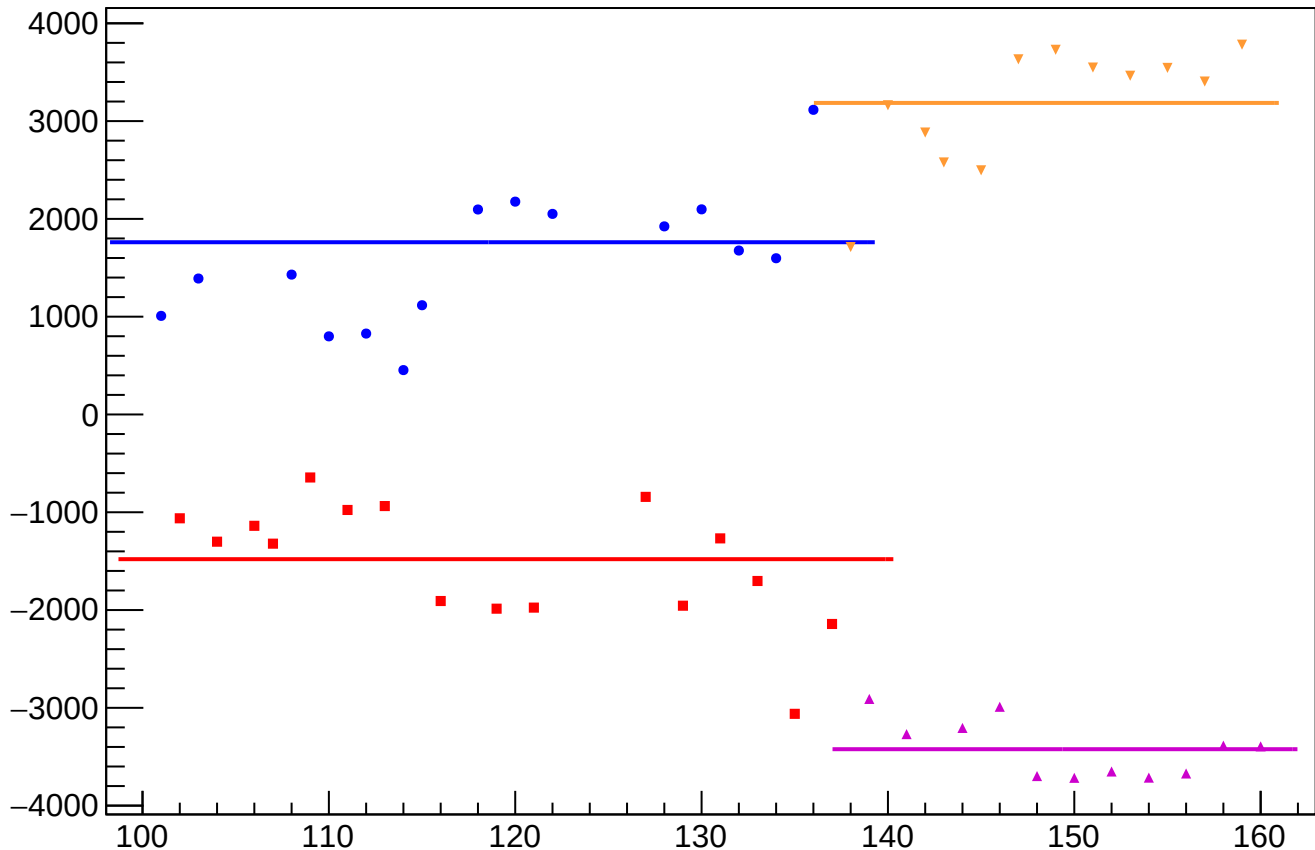
Right In: 122.622 $\pm$ 0.000 χ^2 /NDF: 5937504661187691145903235842749497344.0/14
 Left Out: 101.470 $\pm$ 0.000 χ^2 /NDF: 163606586609215515174601139620413440.0/11
 Right Out: -124.216 $\pm$ 0.000 χ^2 /NDF: 6549627589629012958791202941129719808.0/15
 Left In: -104.786 $\pm$ 0.000 χ^2 /NDF: 102013785381333837493435451846950912.0/10
 All: -2.330 $\pm$ 0.000 χ^2 /NDF: 5234216215941

dit_sam7_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_sam8_coil3_mean vs Slug, Sign Corrected



Right In: 1761.245+/-0.000

χ^2/NDF : 332206925976055306953064744993096204288.0/14

Left Out: 3185.925+/-0.000

χ^2/NDF : 334945906452981161805339150604505710592.0/11

Right Out: -1479.801+/-0.000

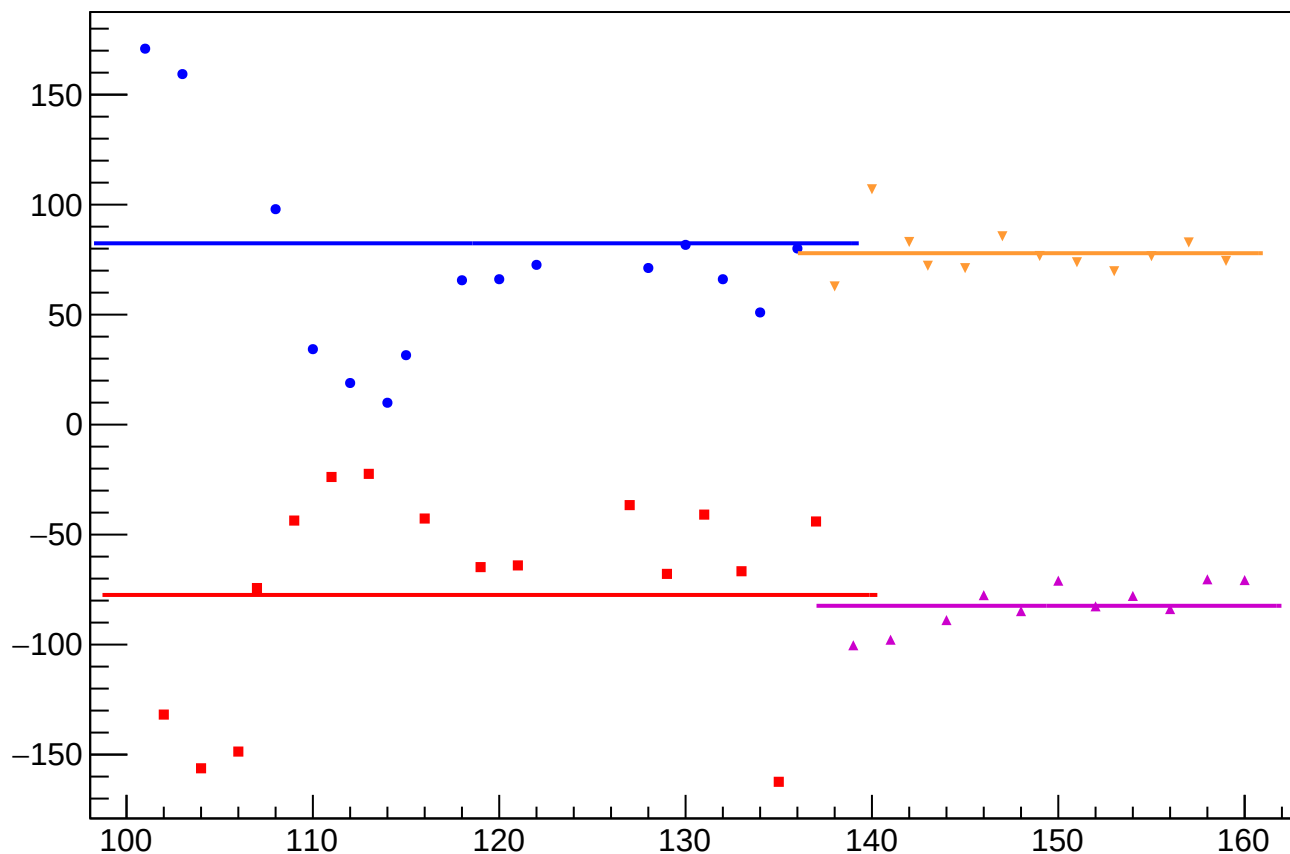
χ^2/NDF : 263467768134780968832551238609236131840.0/15

Left In: -3423.018+/-0.000

χ^2/NDF : 7453703884208882463869581727568494592.0/10

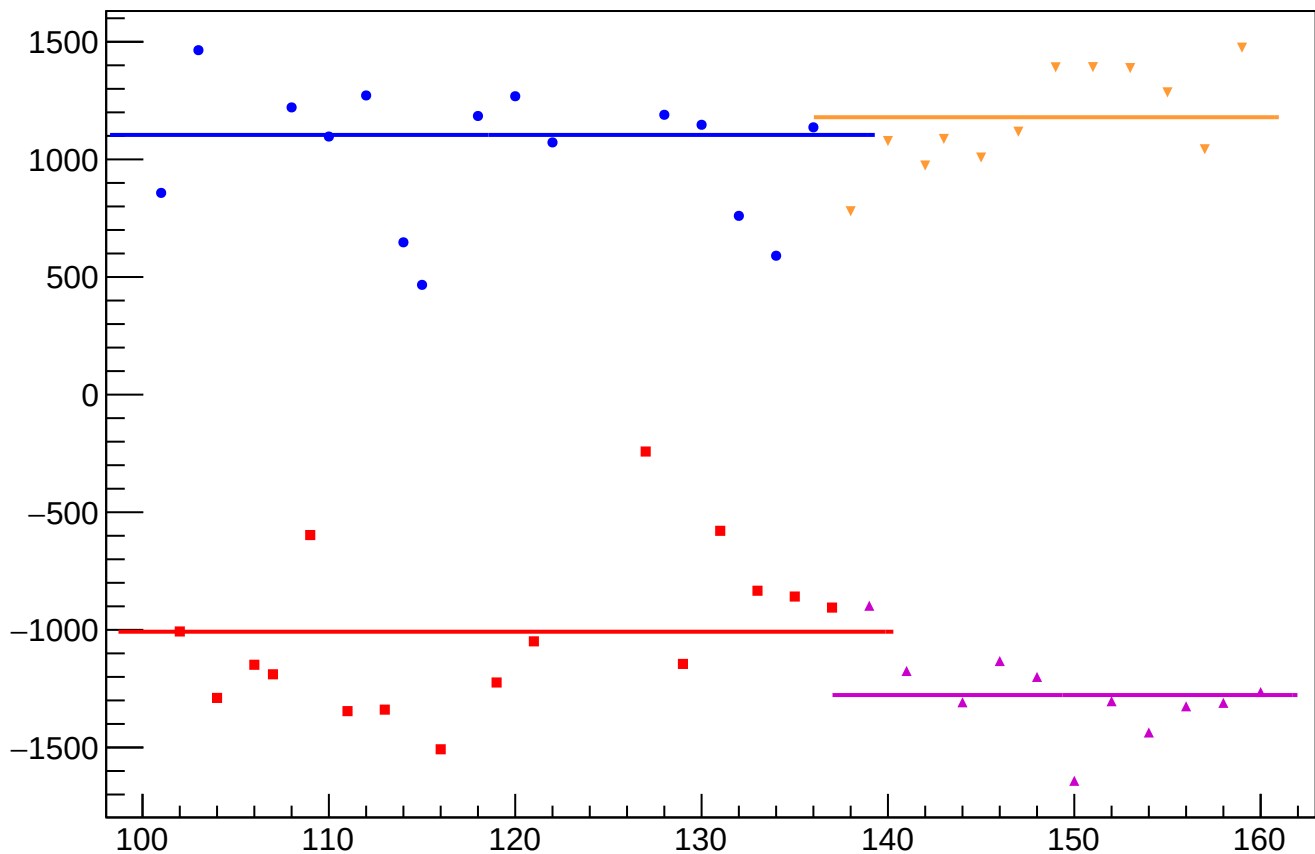
All: -30.093+/-0.000 χ^2/NDF : 245798533014

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



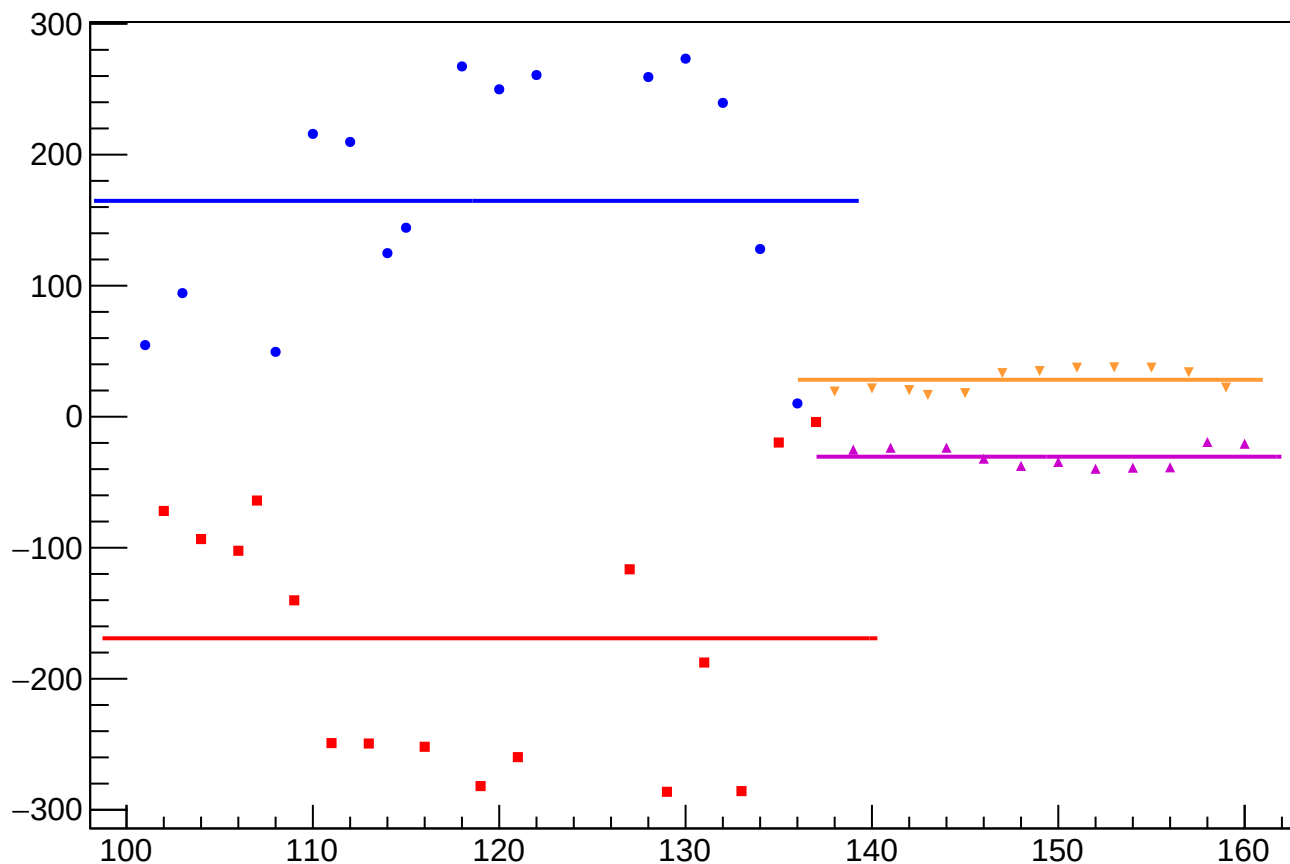
Right In: 82.422+/-0.000 χ^2/NDF : 1263633347129443757477527241185296384.0/14
 Left Out: 77.927+/-0.000 χ^2/NDF : 108816585289567770159719515210907648.0/11
 Right Out: -77.430+/-0.000 χ^2/NDF : 1515456409368458038568290276111024128.0/15
 Left In: -82.361+/-0.000 χ^2/NDF : 88160536769186096496846966890692608.0/10
 All: -0.961+/-0.000 χ^2/NDF : 2319921906530

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



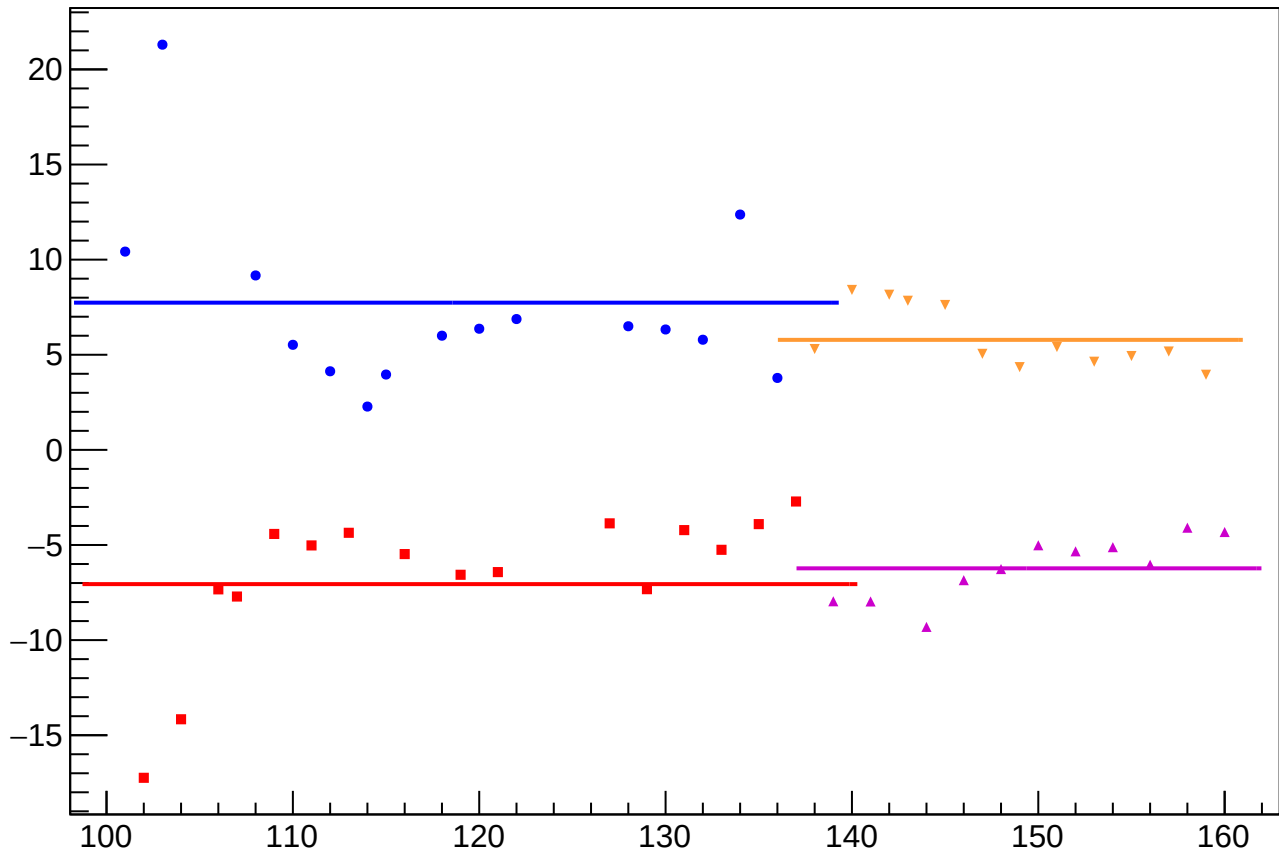
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4aX_coil7_mean vs Slug, Sign Corrected



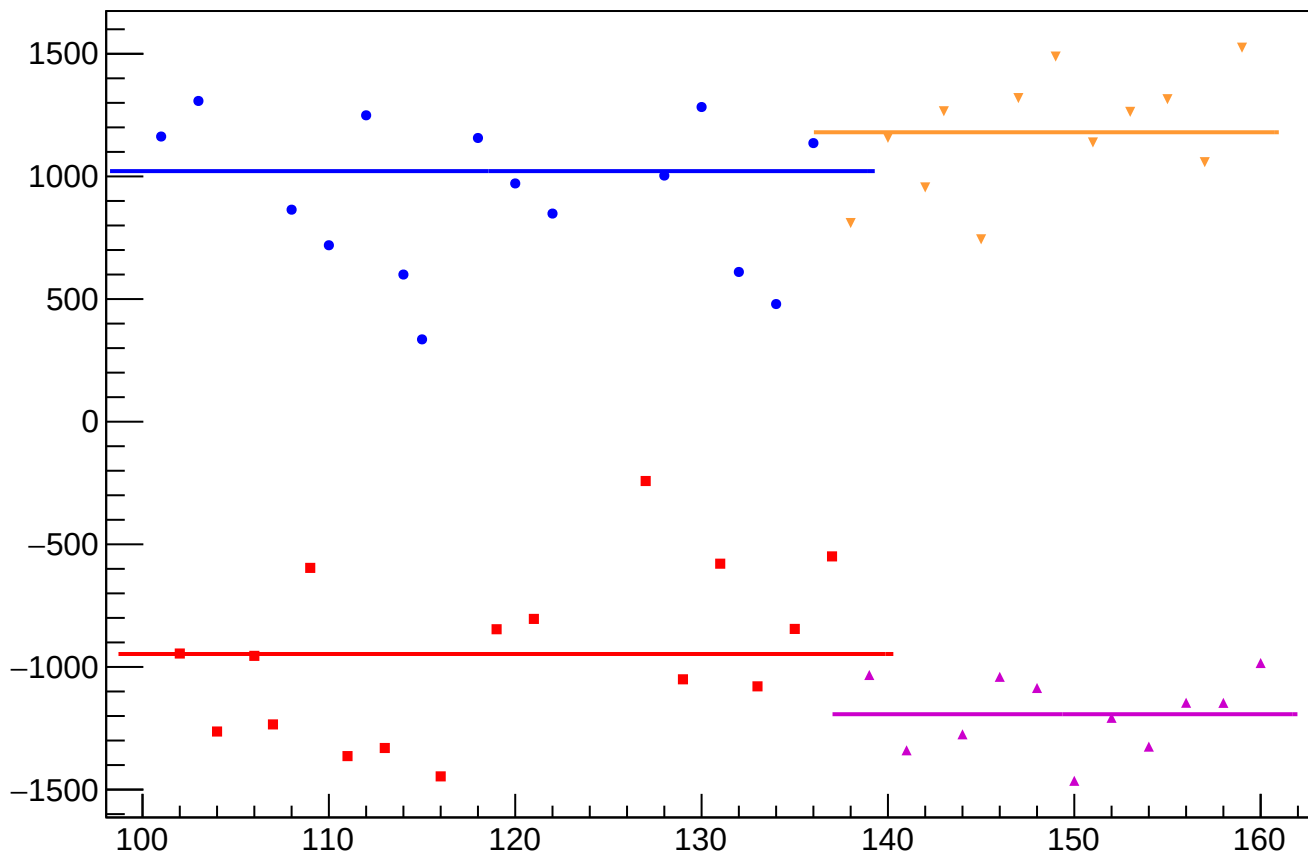
Left: -1.317 ± 0.000 $\chi^2/\text{NDF}: 16978934081589781$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.192 ± 0.000 $\chi^2/\text{NDF}: 62073928949862768083975059378536448.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 50.054 ± 0.000 $\chi^2/\text{NDF}: 209572439496556085$
 Out: -55.045 ± 0.000 $\chi^2/\text{NDF}: 2111323920107624$
 Left In: -30.507 ± 0.000 $\chi^2/\text{NDF}: 52600700148274049801586699671699456.0/10$
 All: -2.629 ± 0.000 $\chi^2/\text{NDF}: 5078015592202$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



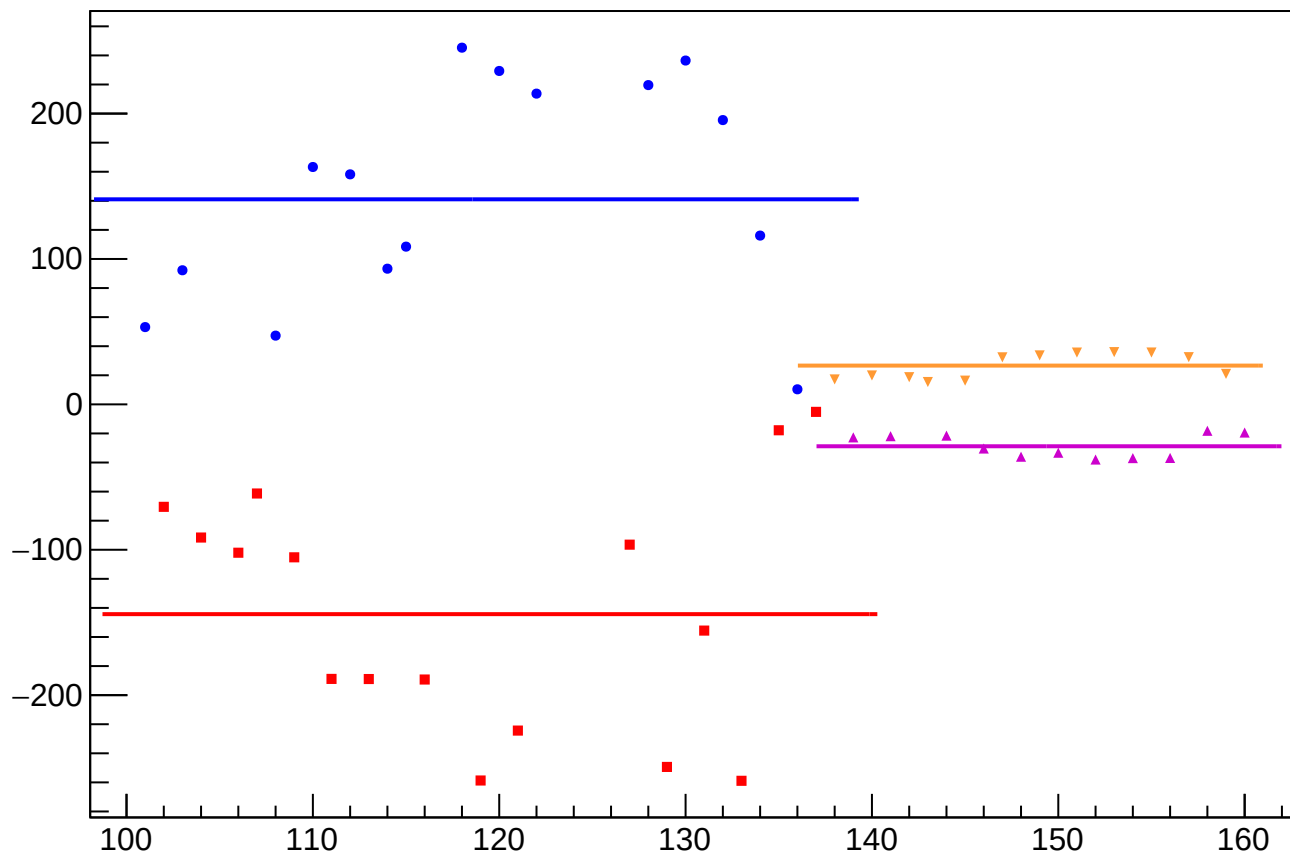
Right In: 7.738 $\pm$ 0.000 χ^2 /NDF: 15127215479234506007469492768079872.0/14
 Left Out: 5.783 $\pm$ 0.000 χ^2 /NDF: 2082103650411209995862519006101504.0/11
 Right Out: -7.057 $\pm$ 0.000 χ^2 /NDF: 11292441204139394792341242753581056.0/15
 Left In: -6.228 $\pm$ 0.000 χ^2 /NDF: 2331911751655733809355489024147456.0/10
 All: -0.049 $\pm$ 0.000 χ^2 /NDF: 1693113496789

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



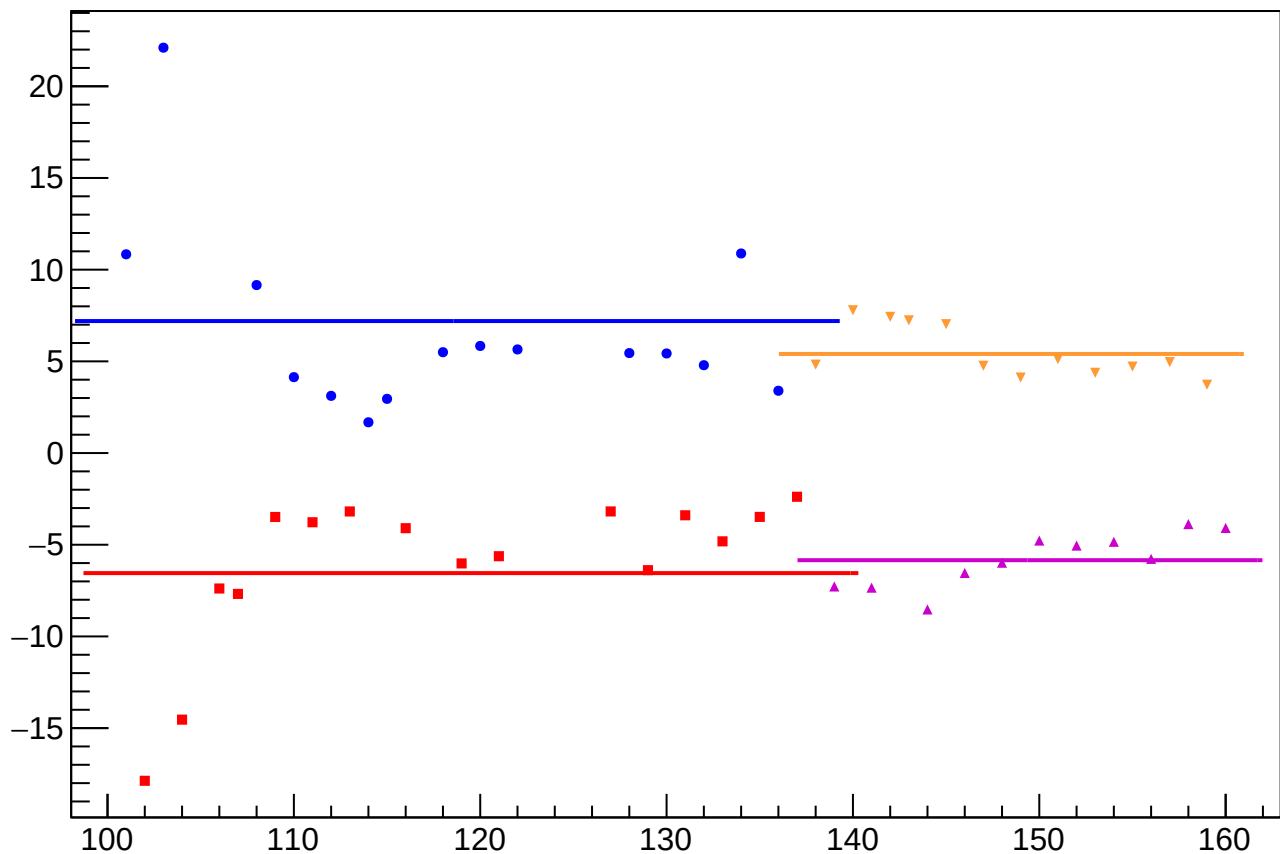
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_4eX_coil7_mean vs Slug, Sign Corrected



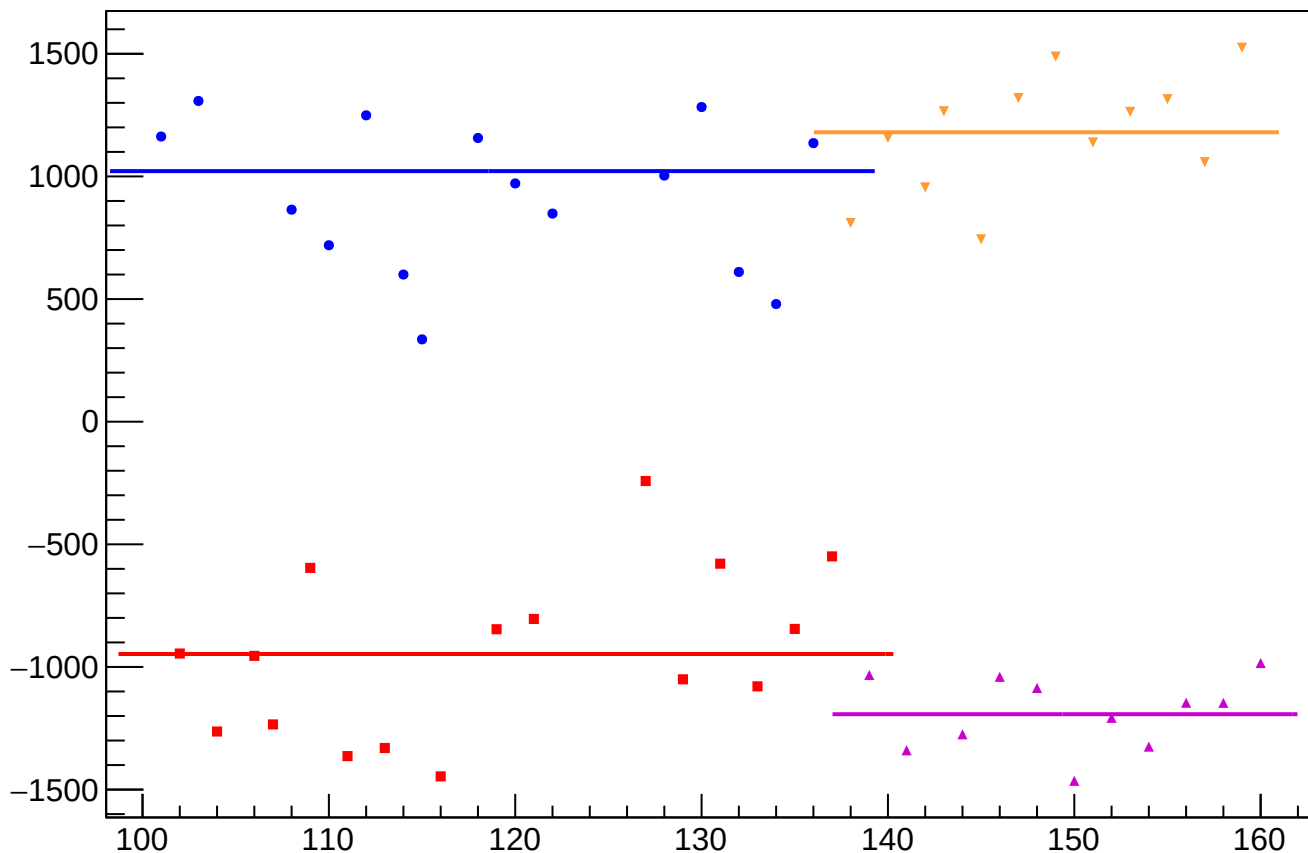
Left: -1.225 ± 0.000 $\chi^2/\text{NDF}: 15294237123103654$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Left Out: 26.669 ± 0.000 $\chi^2/\text{NDF}: 62522343114115856238629096966324224.0/11$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 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 ± 0.000 χ^2/NDF : 18212640728502785337831966963138560.0/14
 Left Out: 5.404 ± 0.000 χ^2/NDF : 1657476673222734549536062415306752.0/11
 Right Out: -6.547 ± 0.000 χ^2/NDF : 14078912505116068936230809834094592.0/15
 Left In: -5.843 ± 0.000 χ^2/NDF : 1832786837102707862400537806766080.0/10
 All: -0.049 ± 0.000 χ^2/NDF : 1562270252344

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-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

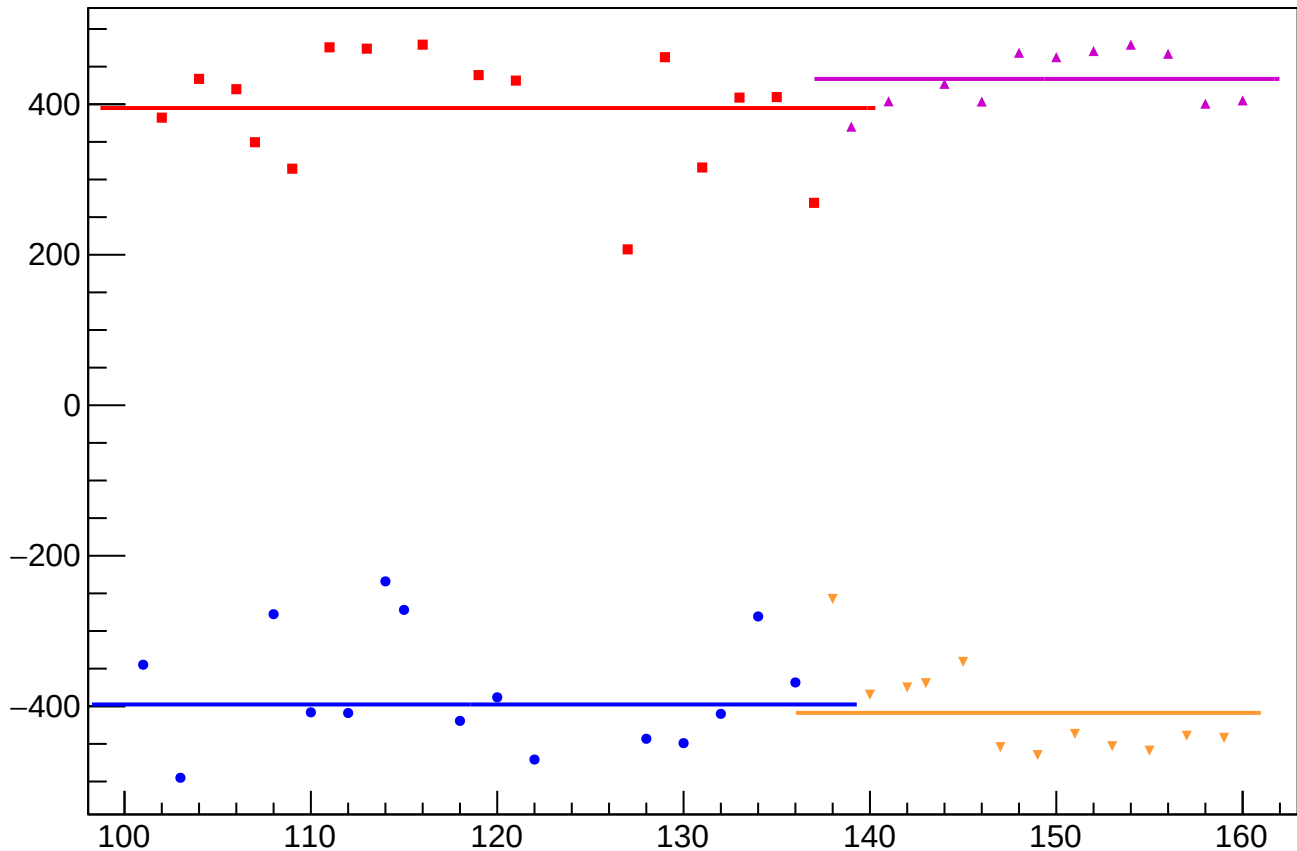
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

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

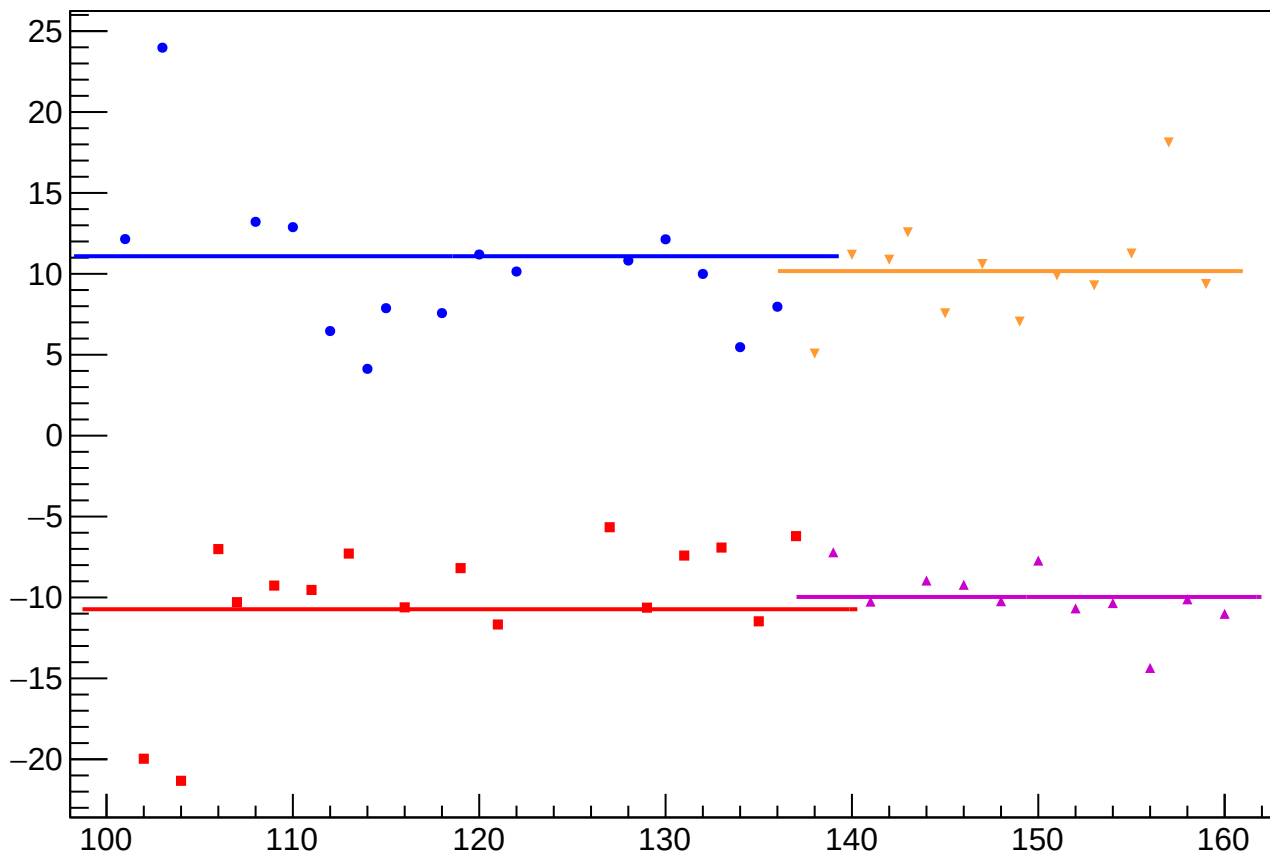
Right: 4.100+/-0.000 χ^2/NDF : 21298342988437283

In: 90.690+/-0.000 χ^2/NDF : 267298439260479340

Out: -69.697+/-0.000 χ^2/NDF : 2561673028781217

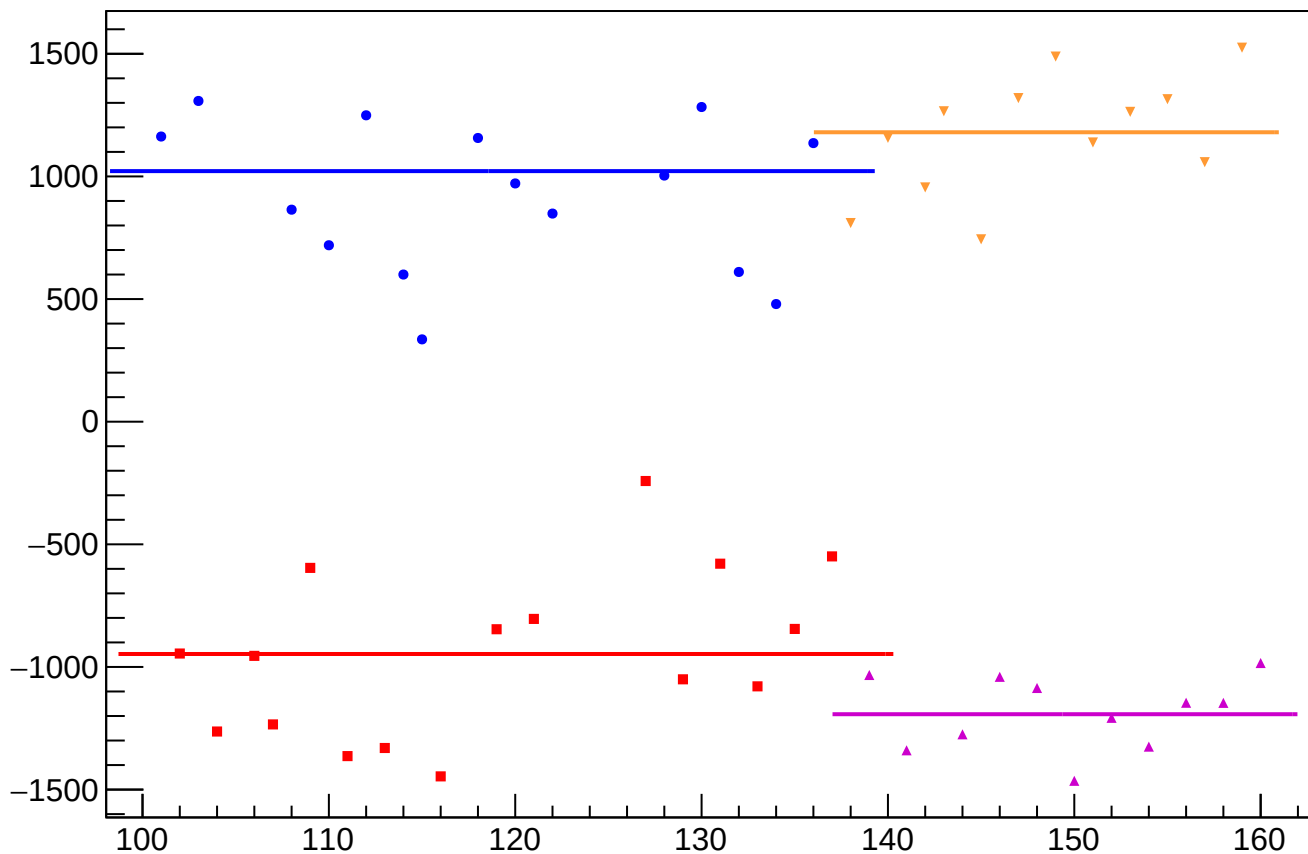
All: 10.293+/-0.000 χ^2/NDF : 5437489116587

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

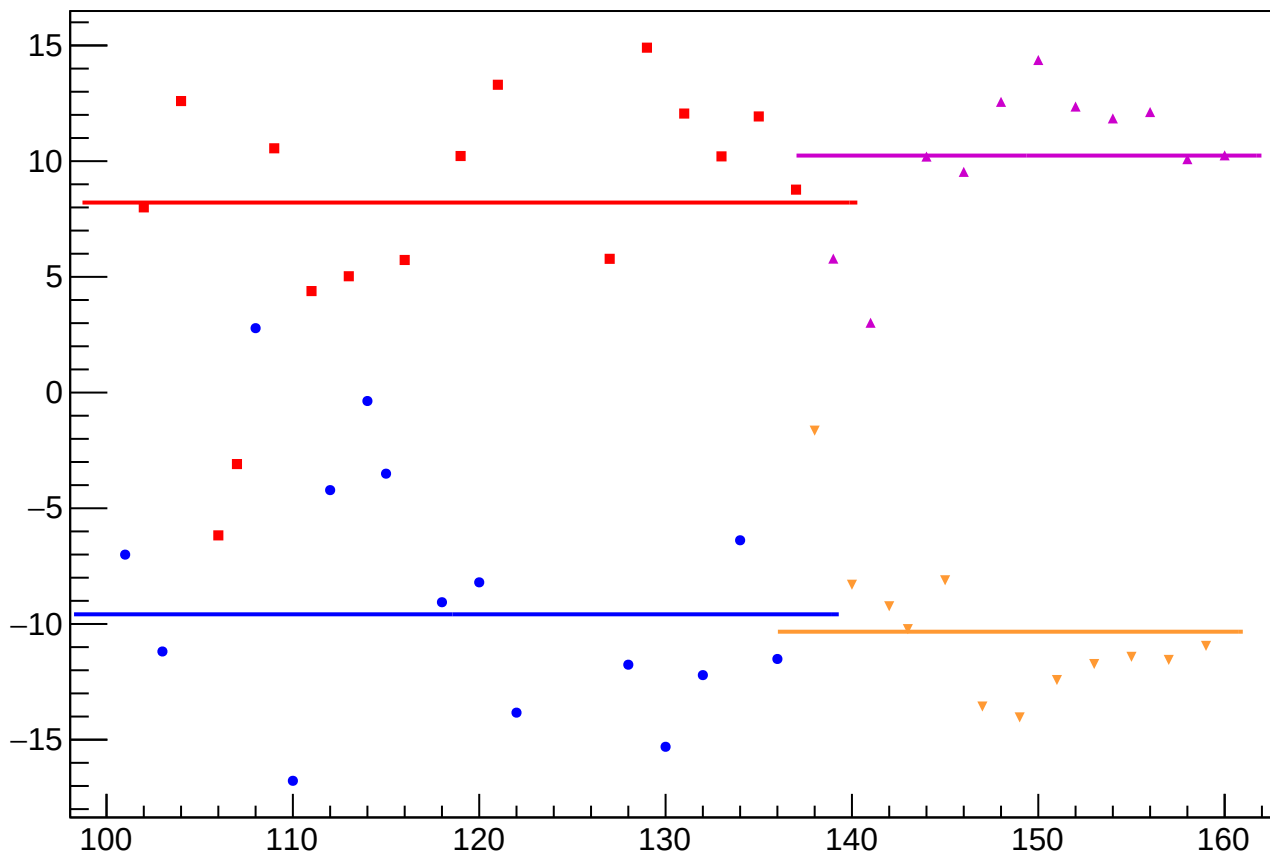
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

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

χ²/NDF: 14702679983940002820806471963377664.0/14

Left Out: -10.333+/-0.000

χ²/NDF: 9377692425026365375047041474887680.0/11

Right Out: 8.211+/-0.000

χ²/NDF: 18304237293835961465605754204454912.0/15

Left In: 10.241+/-0.000

χ²/NDF: 8992829088408430483485977772818432.0/10

Left: 0.010+/-0.000 χ²/NDF: 212884271856614194

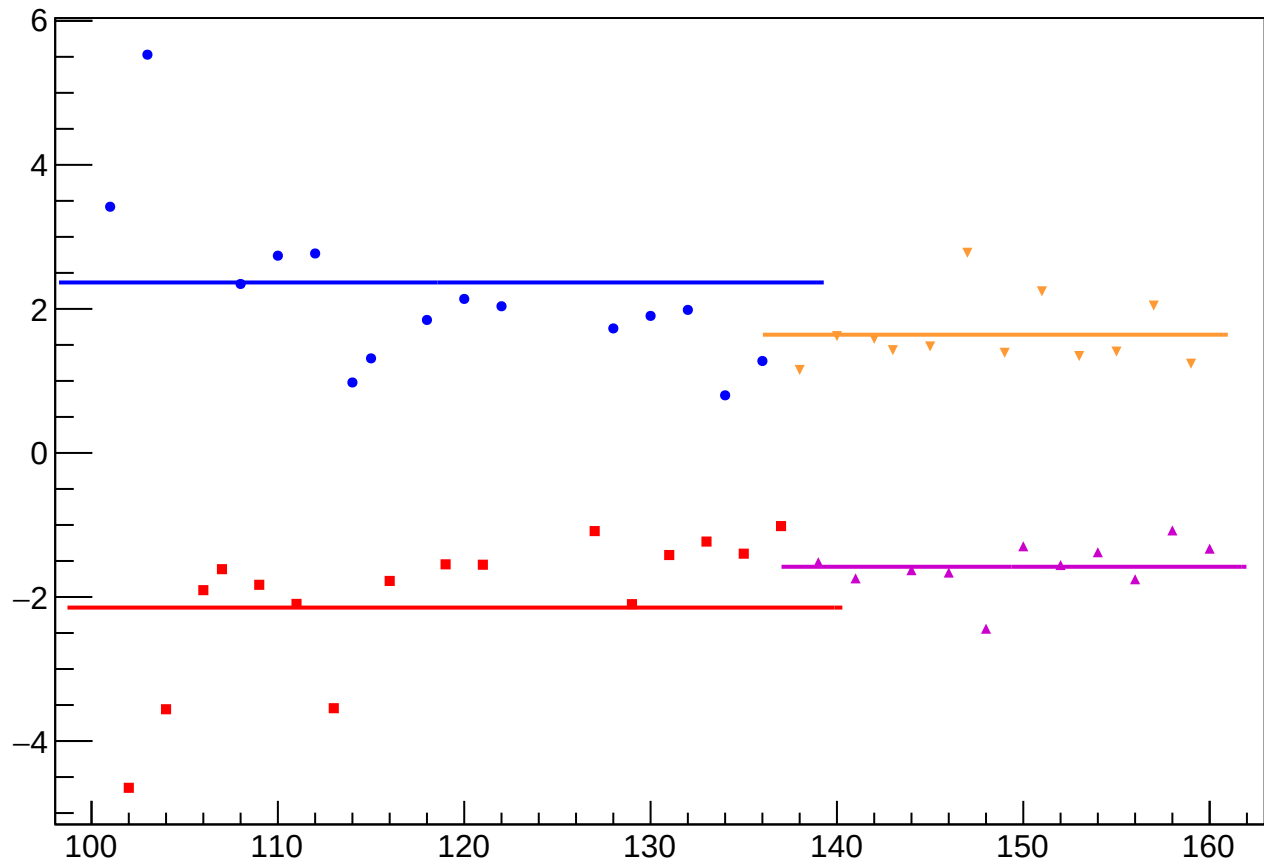
Right: -0.564+/-0.000 χ²/NDF: 1371493250181668

In: 2.062+/-0.000 χ²/NDF: 1735093437250268156

Out: -2.510+/-0.000 χ²/NDF: 16029265277756400

All: -0.229+/-0.000 χ²/NDF: 3502860386482

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.367 $\pm$ 0.000

χ^2 /NDF: 920633294546152876922066767446016.0/14

Left Out: 1.642 $\pm$ 0.000

χ^2 /NDF: 195842148226043527039909915262976.0/11

Right Out: -2.147 $\pm$ 0.000

χ^2 /NDF: 764171992480224478656127555338240.0/15

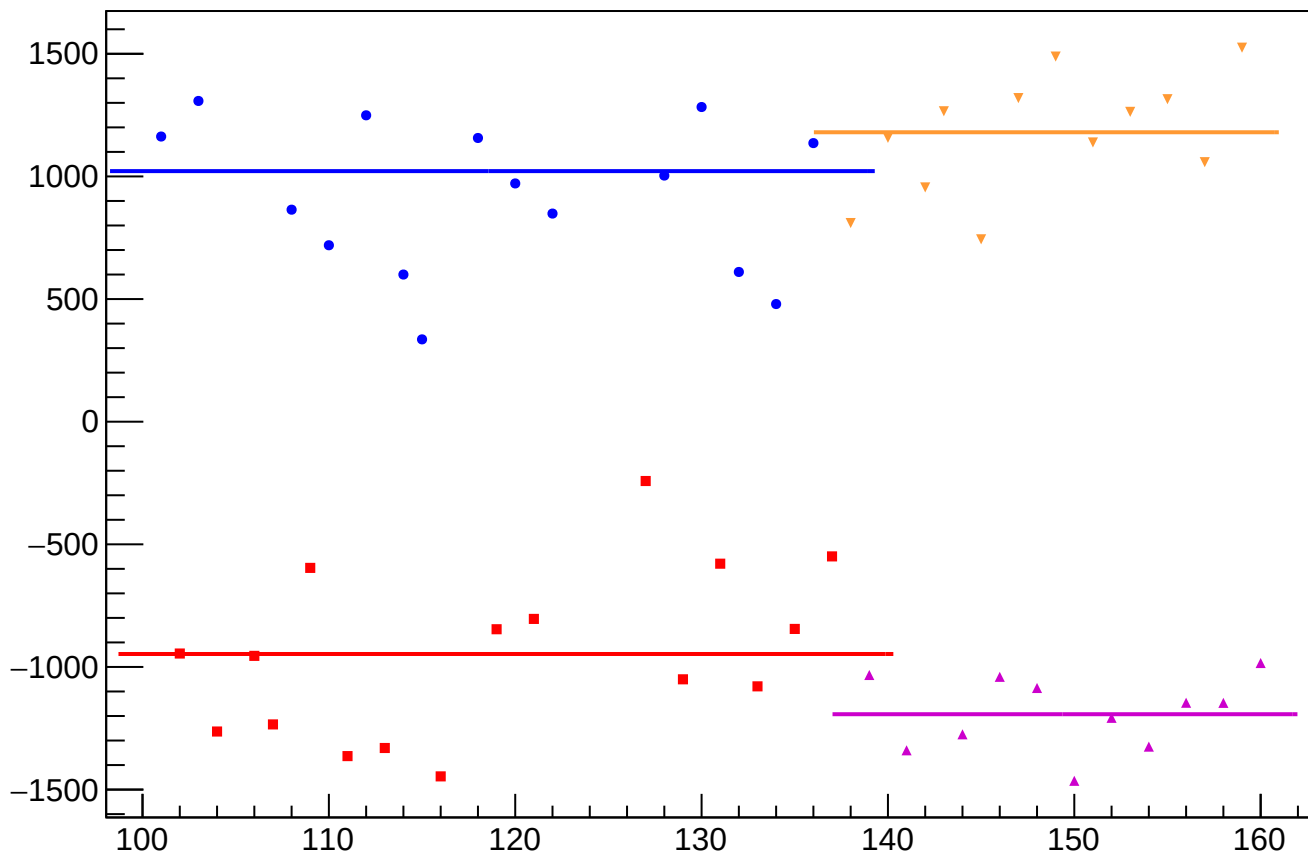
Left In: -1.580 $\pm$ 0.000

χ^2 /NDF: 104159820106689813353171792166912.0/10

All: 0.046 $\pm$ 0.000

χ^2 /NDF: 13461521258222

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

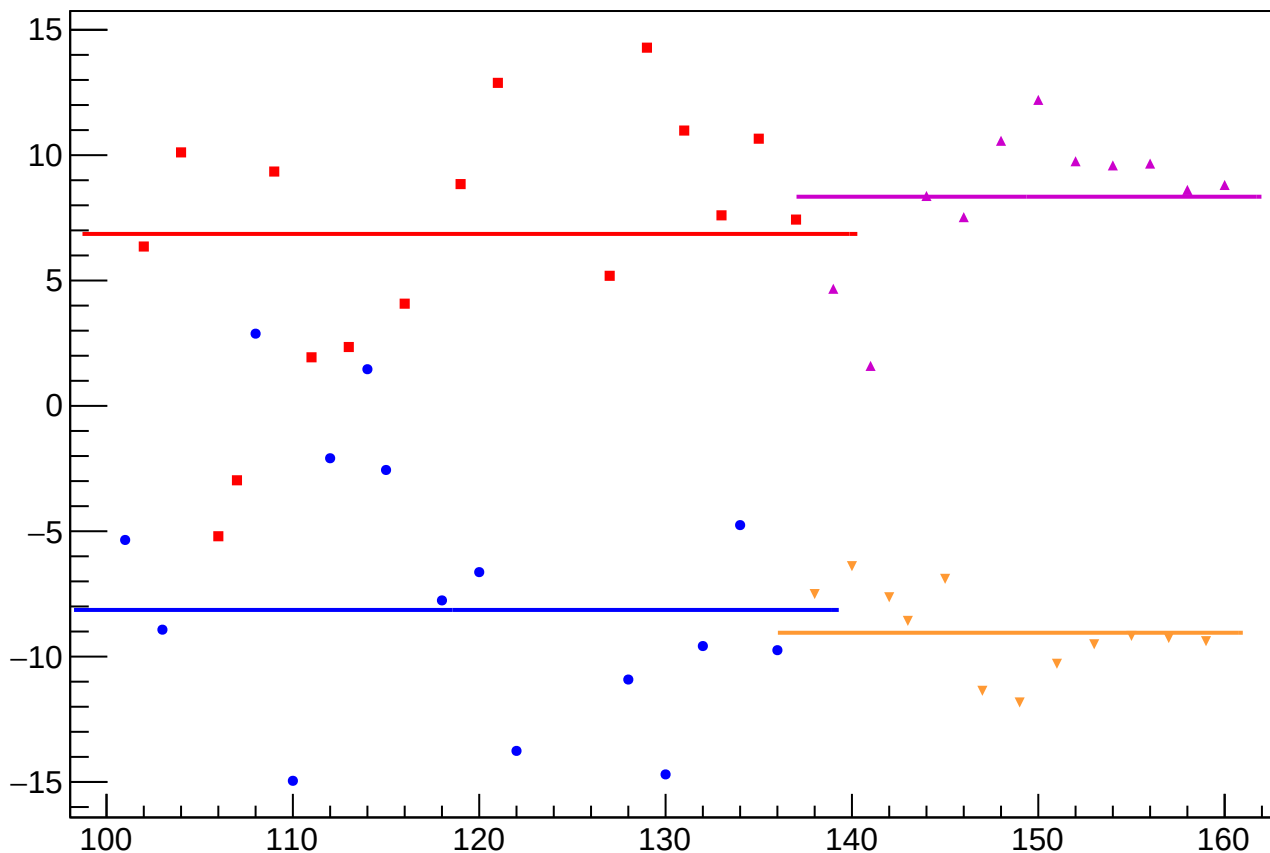
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

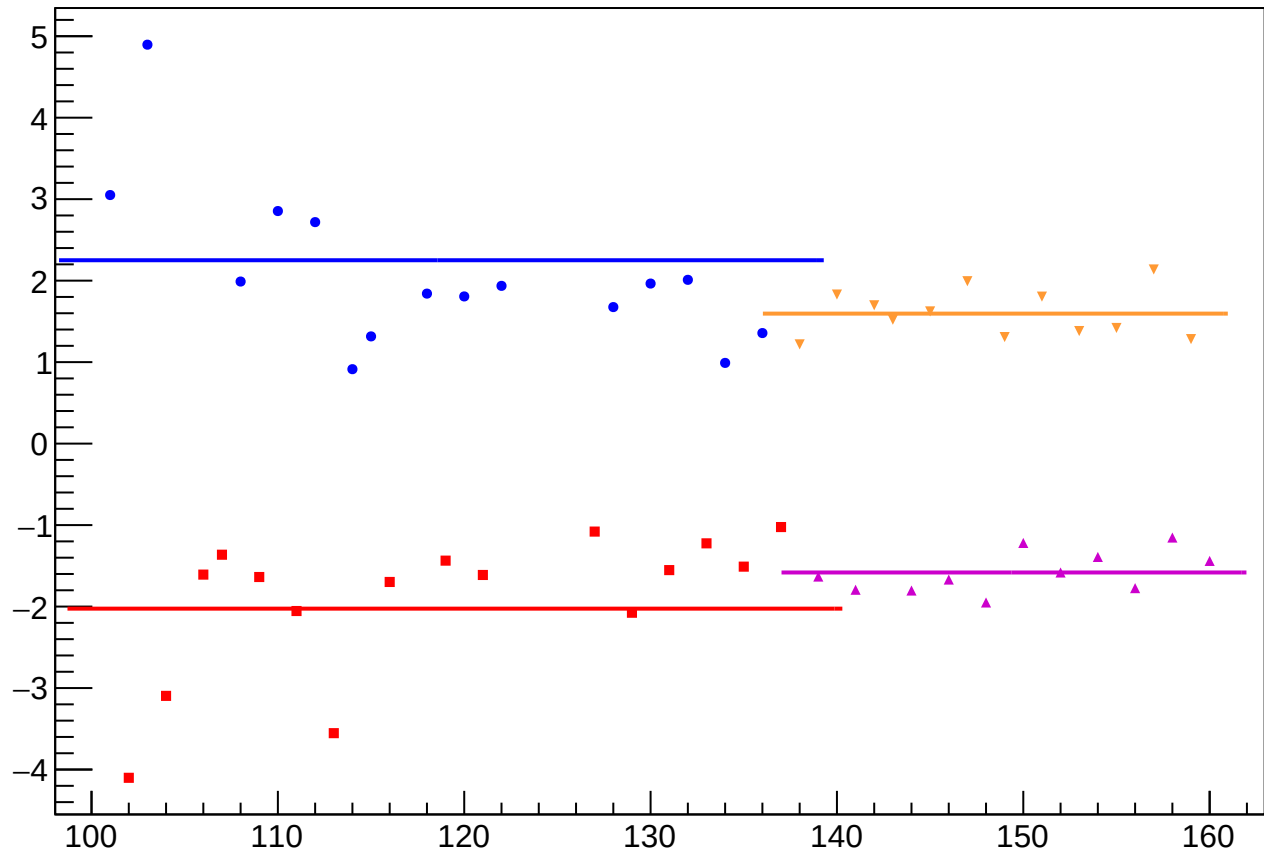
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4eY_coil7_mean vs Slug, Sign Corrected



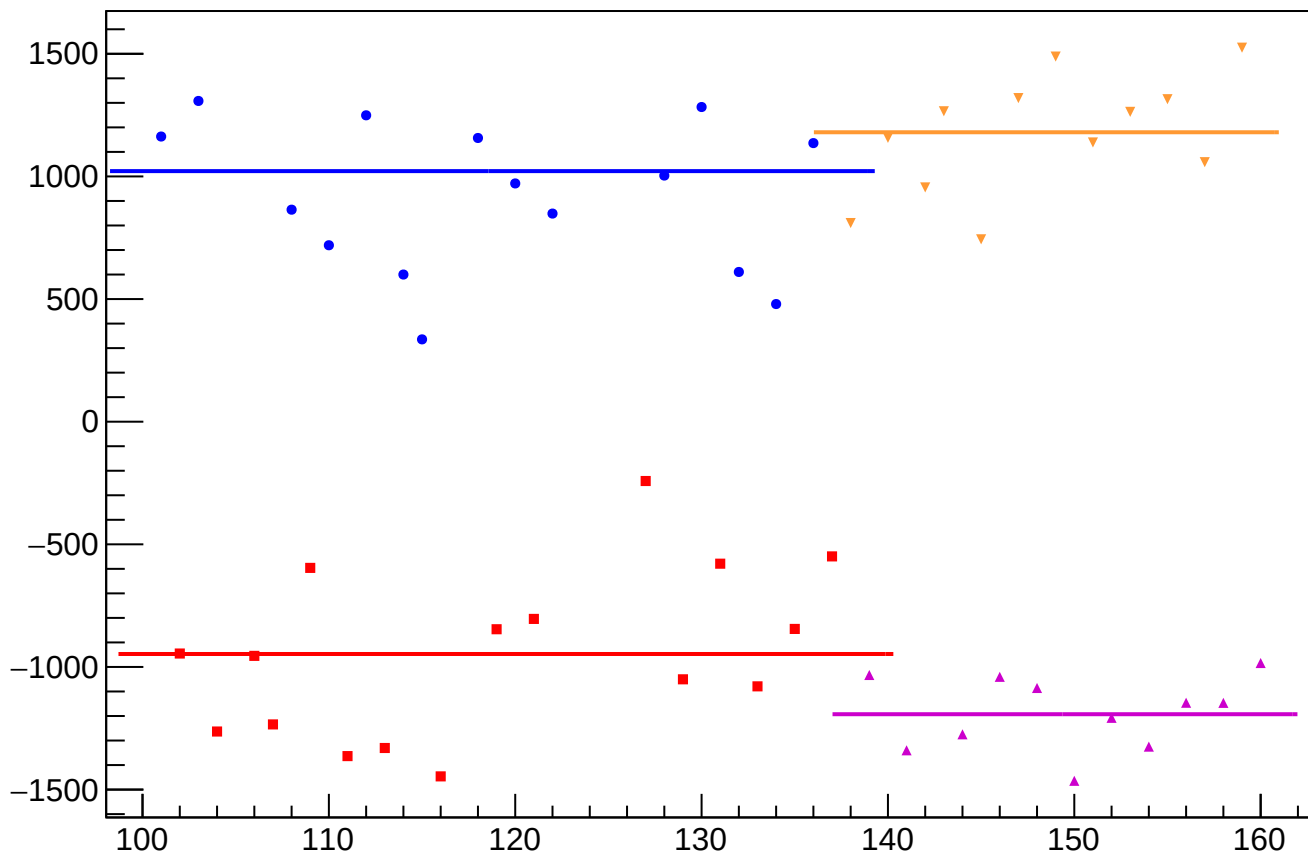
Right In: -8.139 ± 0.000 $\chi^2/\text{NDF}: 14676442649222120372533779893321728.0/14$
 Left Out: -9.049 ± 0.000 $\chi^2/\text{NDF}: 2449058506184839792133889501167616.0/11$
 Right Out: 6.859 ± 0.000 $\chi^2/\text{NDF}: 16483631561591790731352632153079808.0/15$
 Left In: 8.343 ± 0.000 $\chi^2/\text{NDF}: 7268690948063694771204756789526528.0/10$
 All: -0.402 ± 0.000 $\chi^2/\text{NDF}: 2538807042517$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



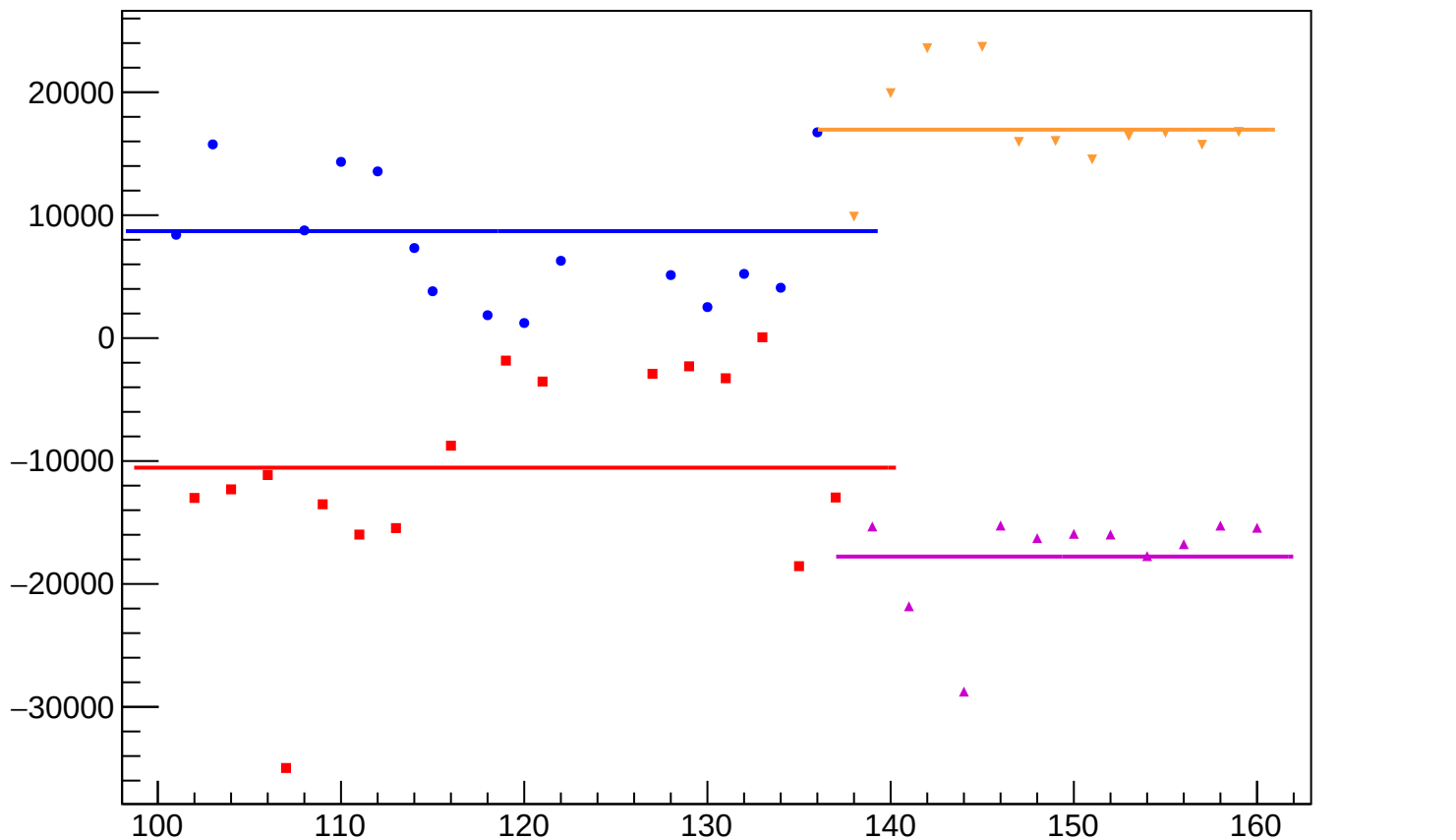
Right In: 2.250 ± 0.000 $\chi^2/\text{NDF}: 656774588136274816295442701090816.0/14$
 Left Out: 1.595 ± 0.000 $\chi^2/\text{NDF}: 76549213292208781148545230045184.0/11$
 Right Out: -2.025 ± 0.000 $\chi^2/\text{NDF}: 578717441762956454616505599918080.0/15$
 Left In: -1.582 ± 0.000 $\chi^2/\text{NDF}: 54930988145763434904897999339520.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 12024014402929$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



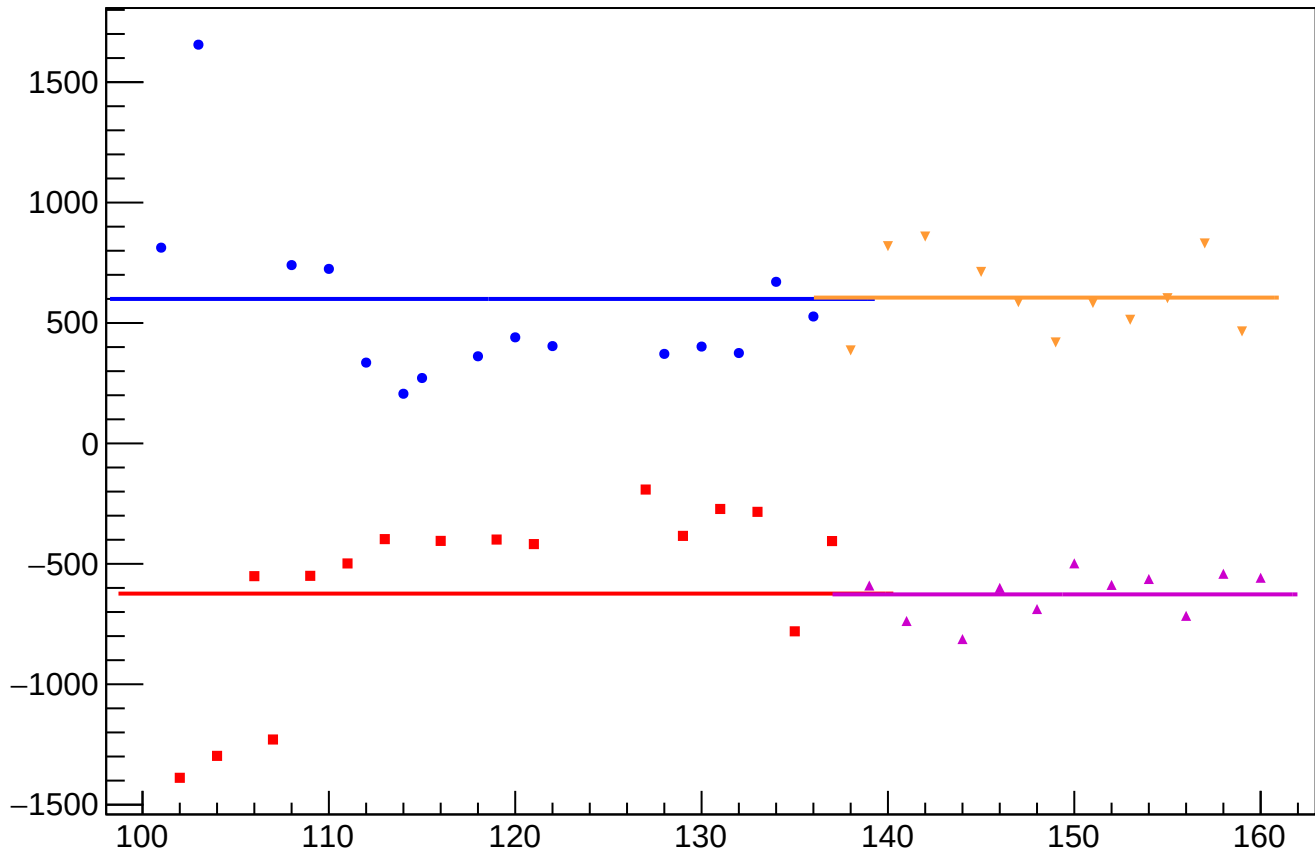
Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 +/- 0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_usl_coil7_mean vs Slug, Sign Corrected



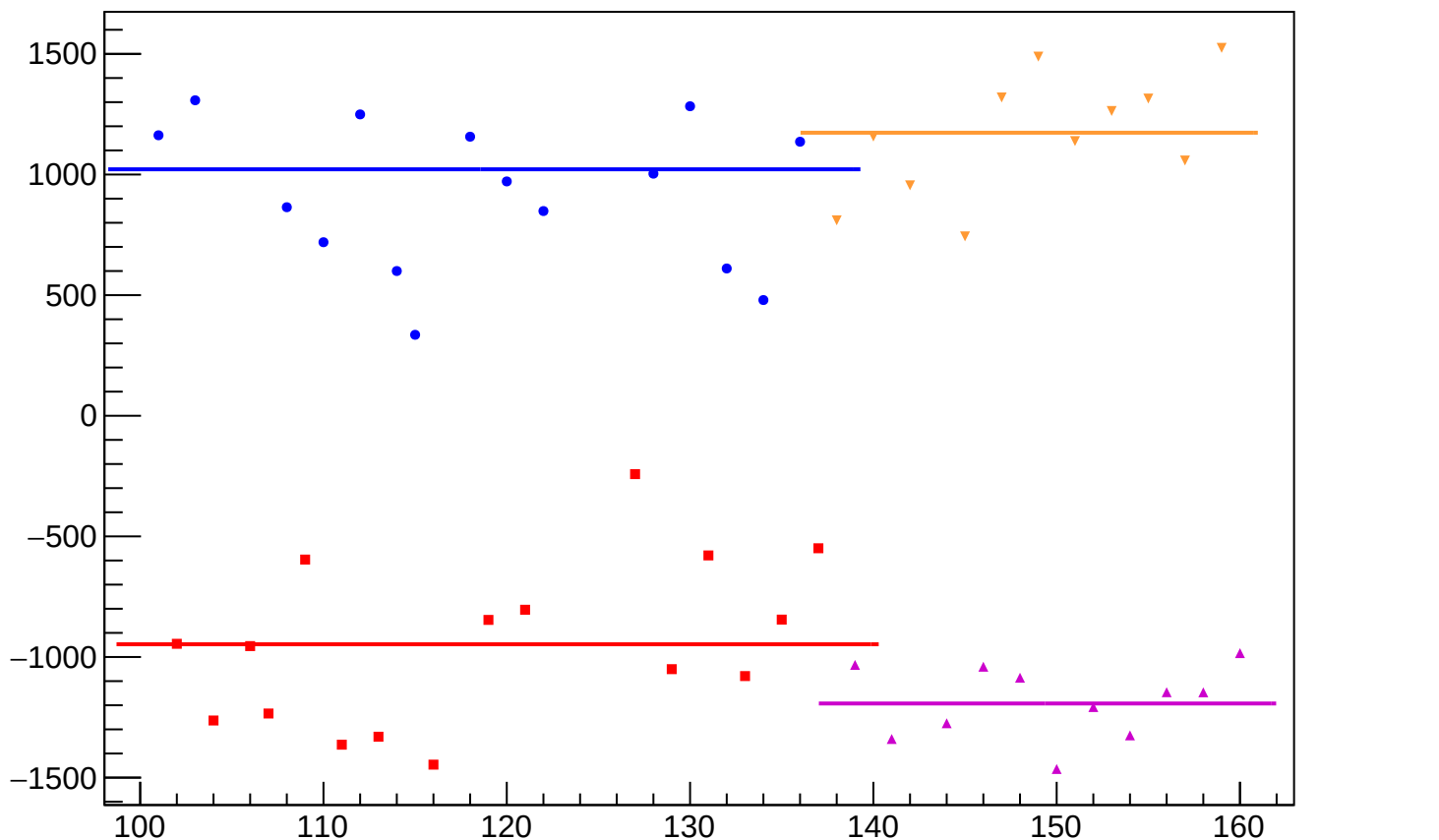
Right In: 8703.332 ± 0.000 $\chi^2/\text{NDF}: 19501133067308426859536304500819191922688.0/14$
 Left Out: 16957.575 ± 0.000 $\chi^2/\text{NDF}: 10938008625550561770285254297697243889664.0/10$
 Right Out: -10539.327 ± 0.000 $\chi^2/\text{NDF}: 46226684227836109273394062569753758662656.0/15$
 Left In: -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



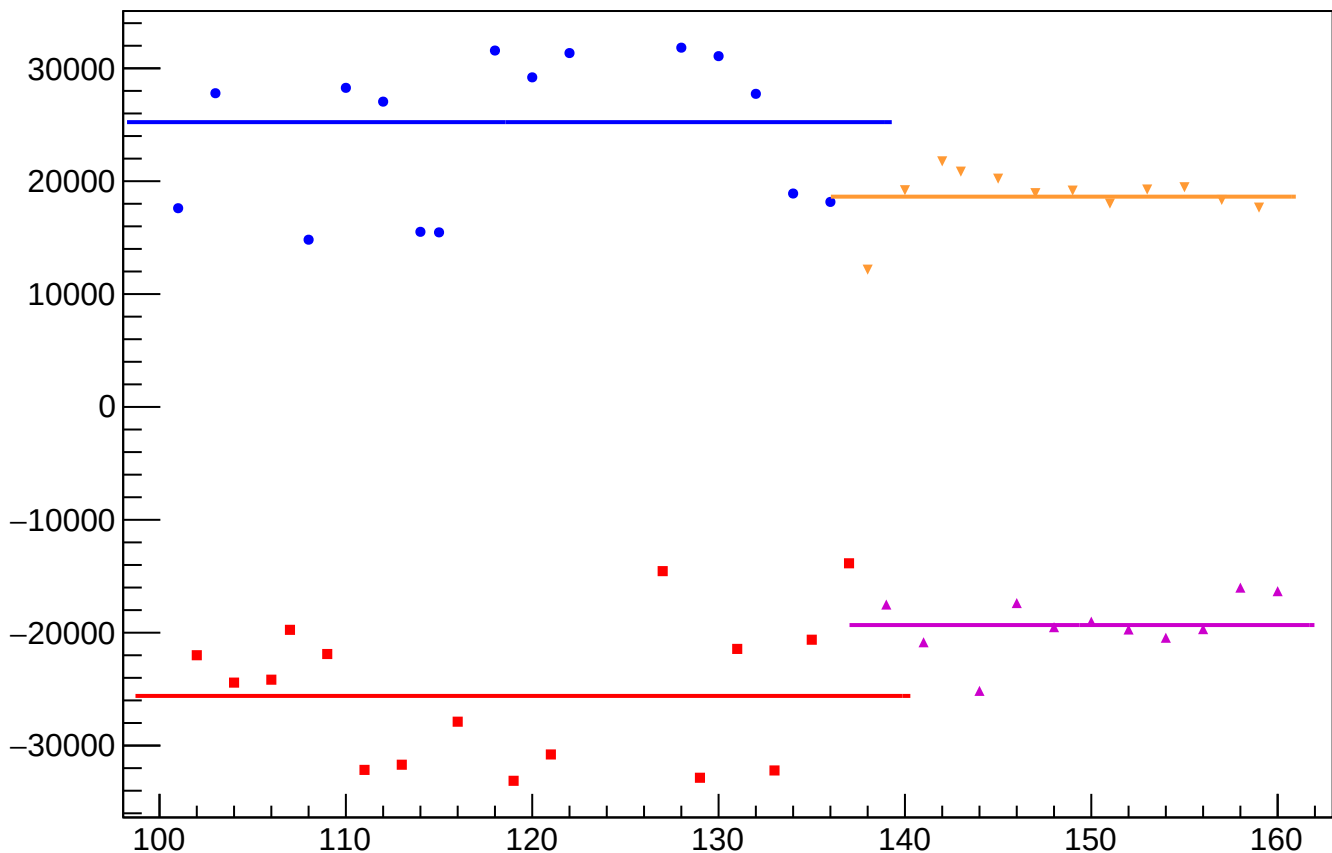
Right In: 599.849 +/- 0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 605.454 +/- 0.000 χ^2/NDF : 20600036696576889686488913862706855936.0/10
 Right Out: -623.569 +/- 0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785 +/- 0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.110 +/- 0.000 χ^2/NDF : 138304886705

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



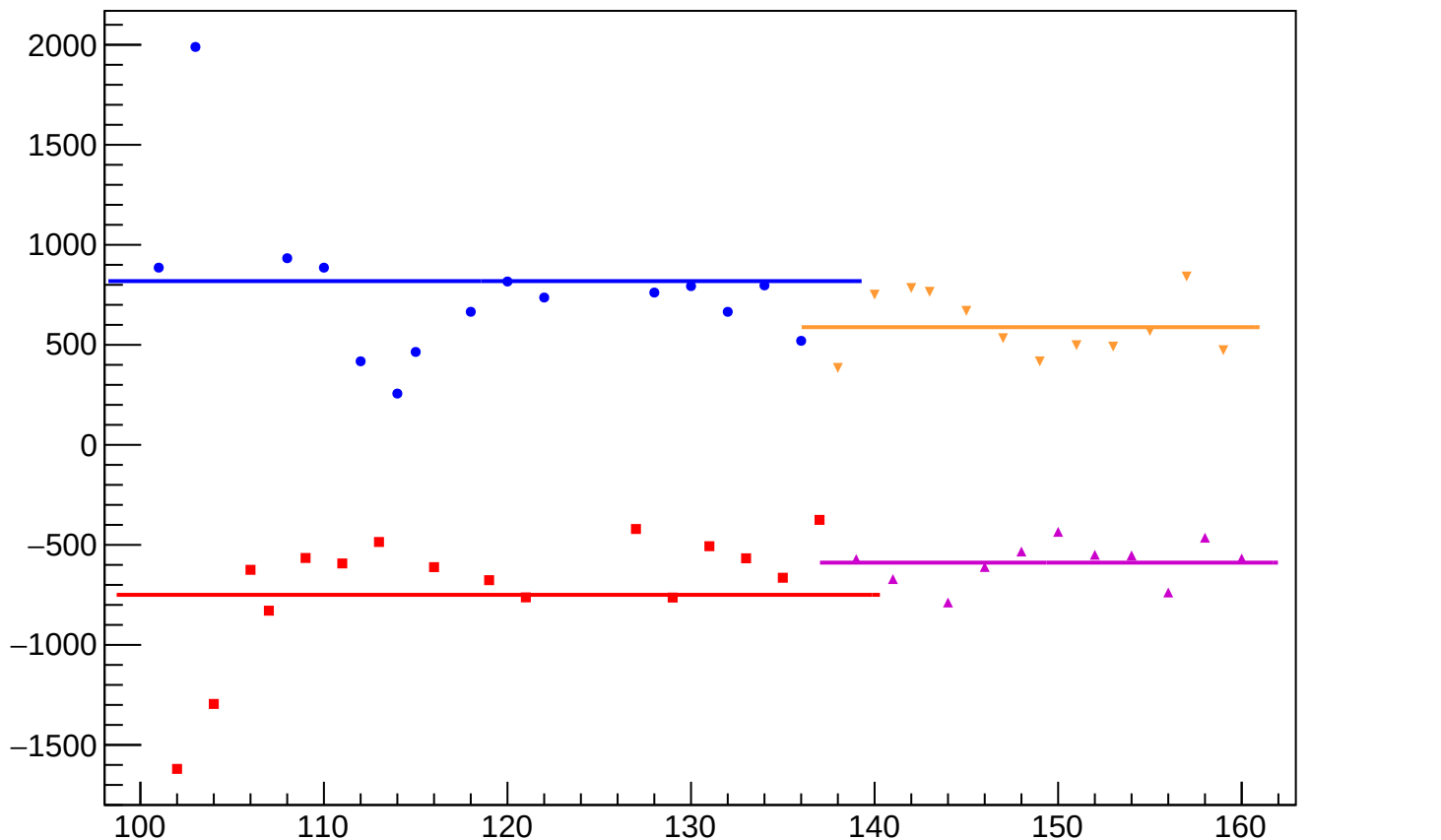
Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1173.334 +/- 0.000 χ^2/NDF : 50259225692125439679244442751924699136.0/10
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.912 +/- 0.000 χ^2/NDF : 393215150522

dit_usr_coil7_mean vs Slug, Sign Corrected



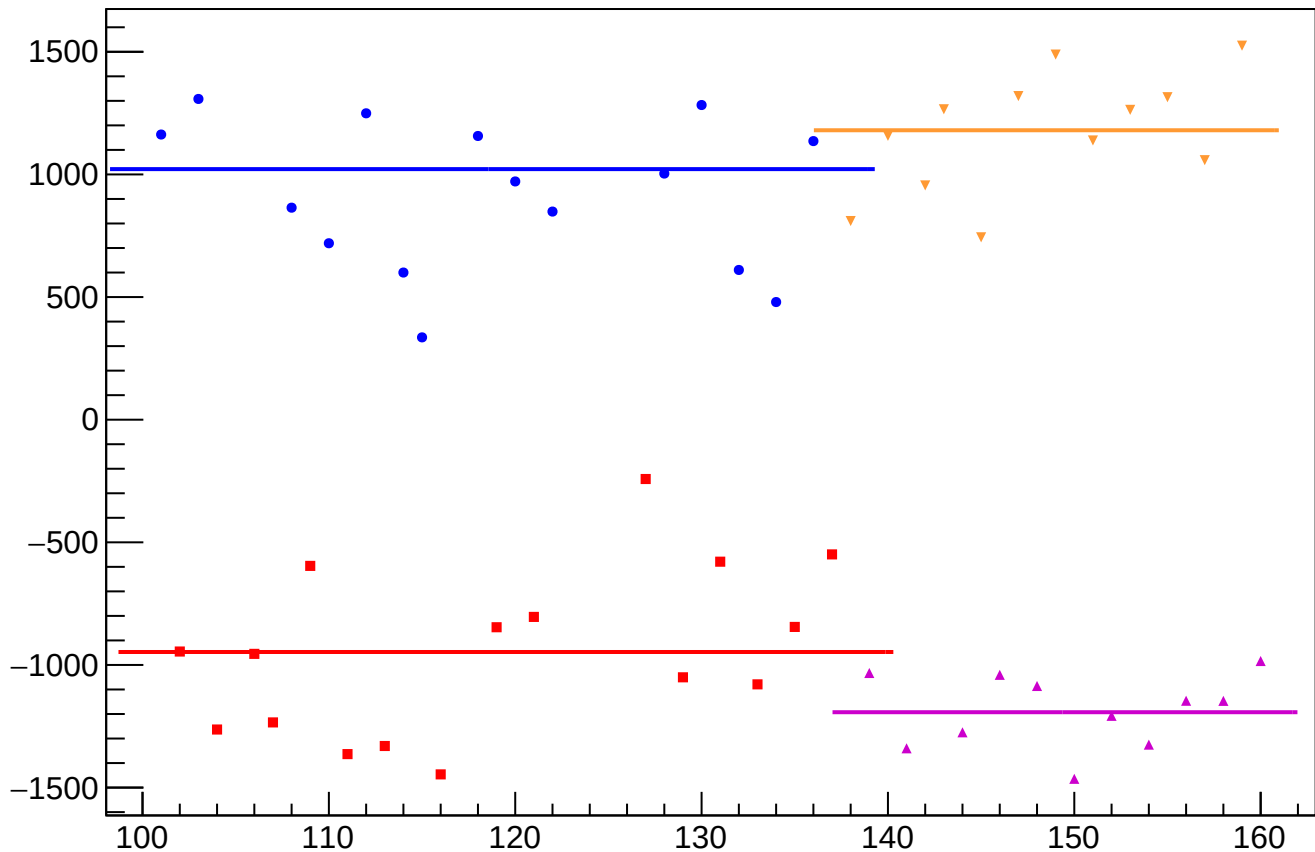
Right In: 25232.229+/-0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Left Out: 18630.609+/-0.000 χ^2/NDF : 4499157177792733453337123782201790431232.0/11
 Right Out: -25601.388+/-0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Left In: -19322.974+/-0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.976+/-0.000 χ^2/NDF : 15707826192

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 ± 0.000 $\chi^2/\text{NDF}: 105606527096911974489496802318373355520.0/14$
 Left Out: 588.391 ± 0.000 $\chi^2/\text{NDF}: 20060197377989114991296665666078113792.0/11$
 Right Out: -749.661 ± 0.000 $\chi^2/\text{NDF}: 77972691834605708706145461250669150208.0/15$
 Left In: -588.693 ± 0.000 $\chi^2/\text{NDF}: 9904386894828699094725074481582178304.0/10$
 All: 7.967 ± 0.000 $\chi^2/\text{NDF}: 16598147133155$

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

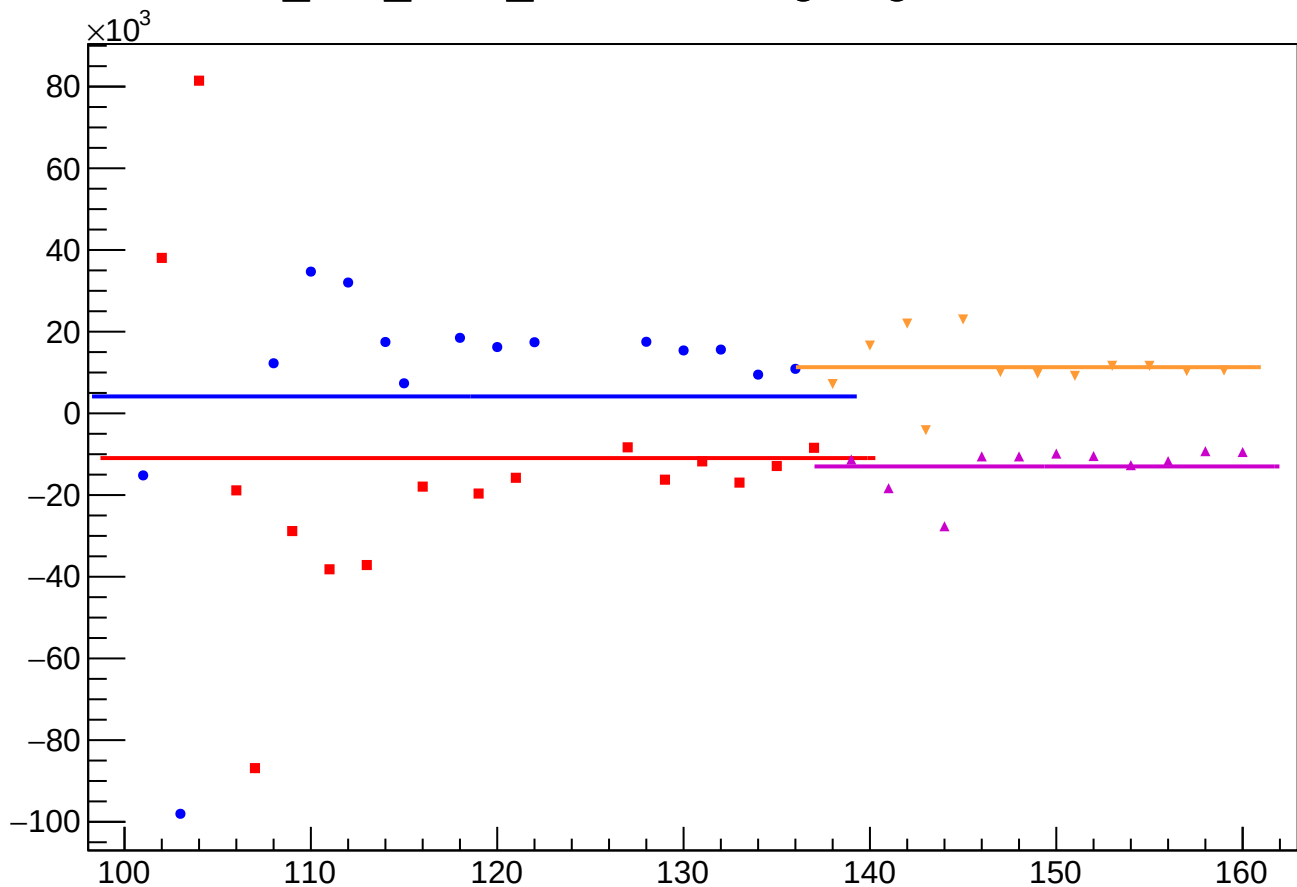
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

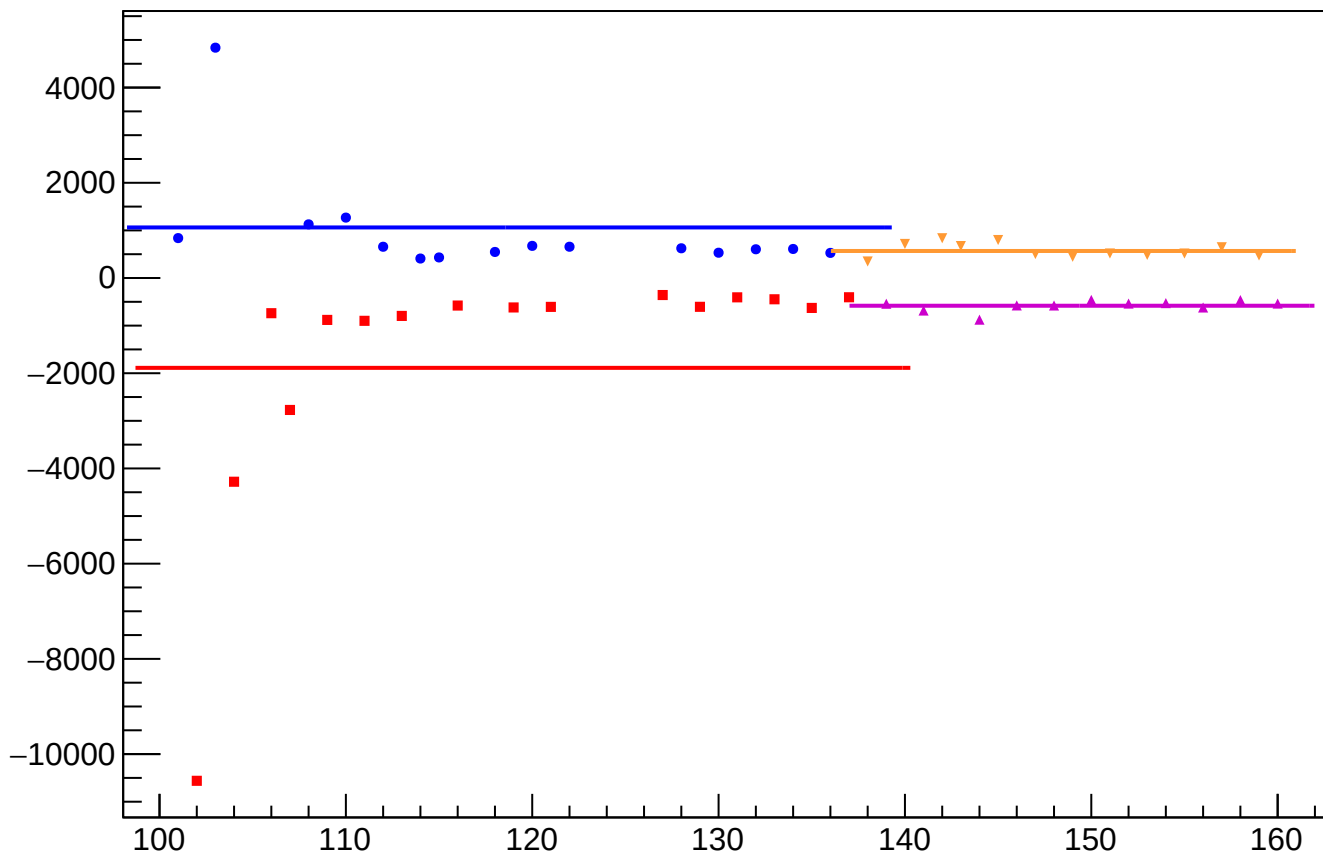
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl1_coil7_mean vs Slug, Sign Corrected



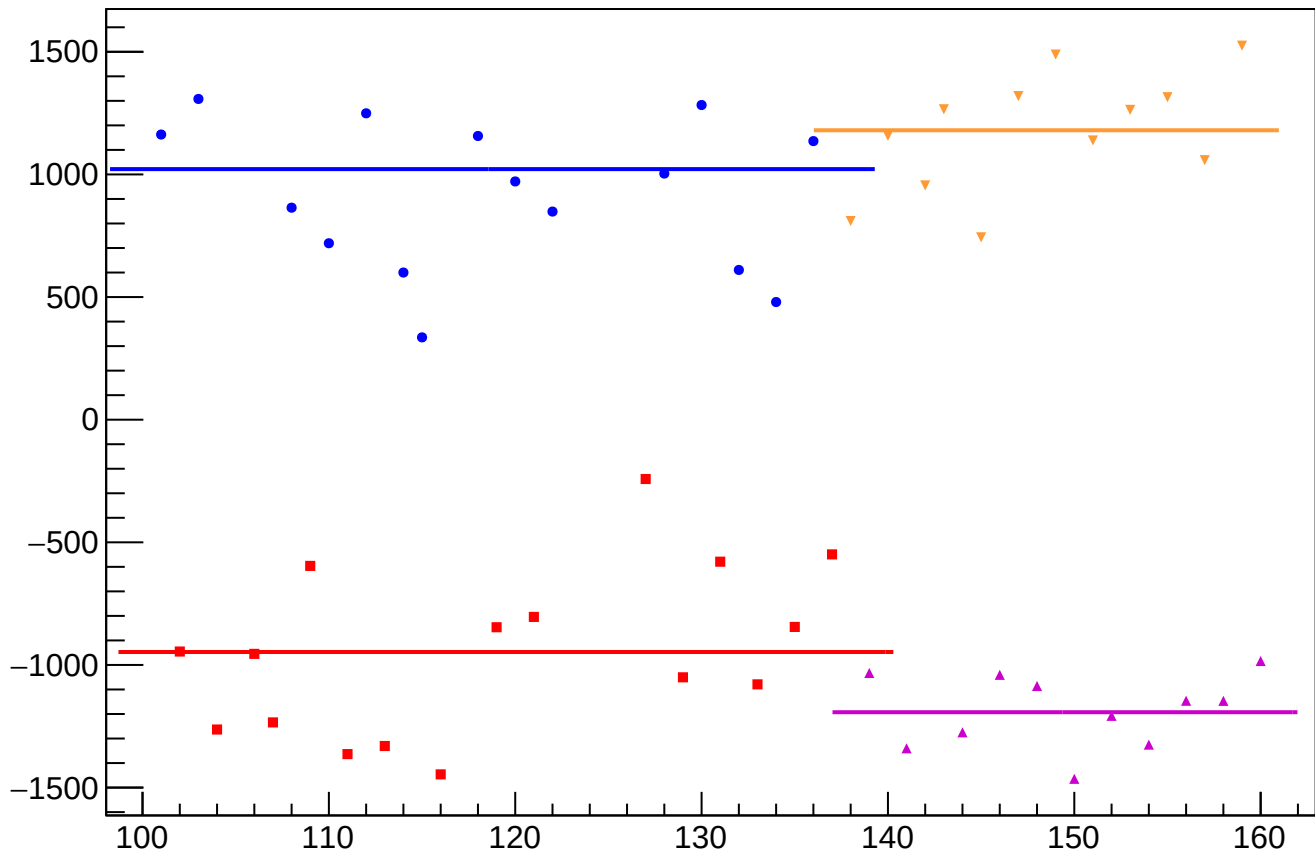
Left: -909.343+/-0.000 χ^2/NDF : 334047502497759
 Right In: 4145.268+/-0.000 χ^2/NDF : 763693998395064689637972381933507648159744.0/14
 Right: -3504.625+/-0.000 χ^2/NDF : 1712578788282
 Left Out: 11307.773+/-0.000 χ^2/NDF : 36281065862244259787300982388178548686848.0/11
 In: -5922.694+/-0.000 χ^2/NDF : 902084767732052
 Right Out: -10948.073+/-0.000 χ^2/NDF : 873949668510327201514601463115396191092736.0/15
 Out: 1918.368+/-0.000 χ^2/NDF : 110122853896245
 Left In: -12994.239+/-0.000 χ^2/NDF : 26399397473209063315648711040224276250624.0/10
 All: -1992.219+/-0.000 χ^2/NDF : 2051791747

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Left: -10.469+/-0.000 χ^2/NDF : 6372083040457971
 Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Right: -432.638+/-0.000 χ^2/NDF : 93397475225812
 Left Out: 567.733+/-0.000 χ^2/NDF : 17522884747687495168010192179255312384.0/11
 In: 96.109+/-0.000 χ^2/NDF : 199572640986063157
 Right Out: -1887.077+/-0.000 χ^2/NDF : 5525872718363845620366029387569058283520.0/15
 Out: -467.914+/-0.000 χ^2/NDF : 786707402720723
 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

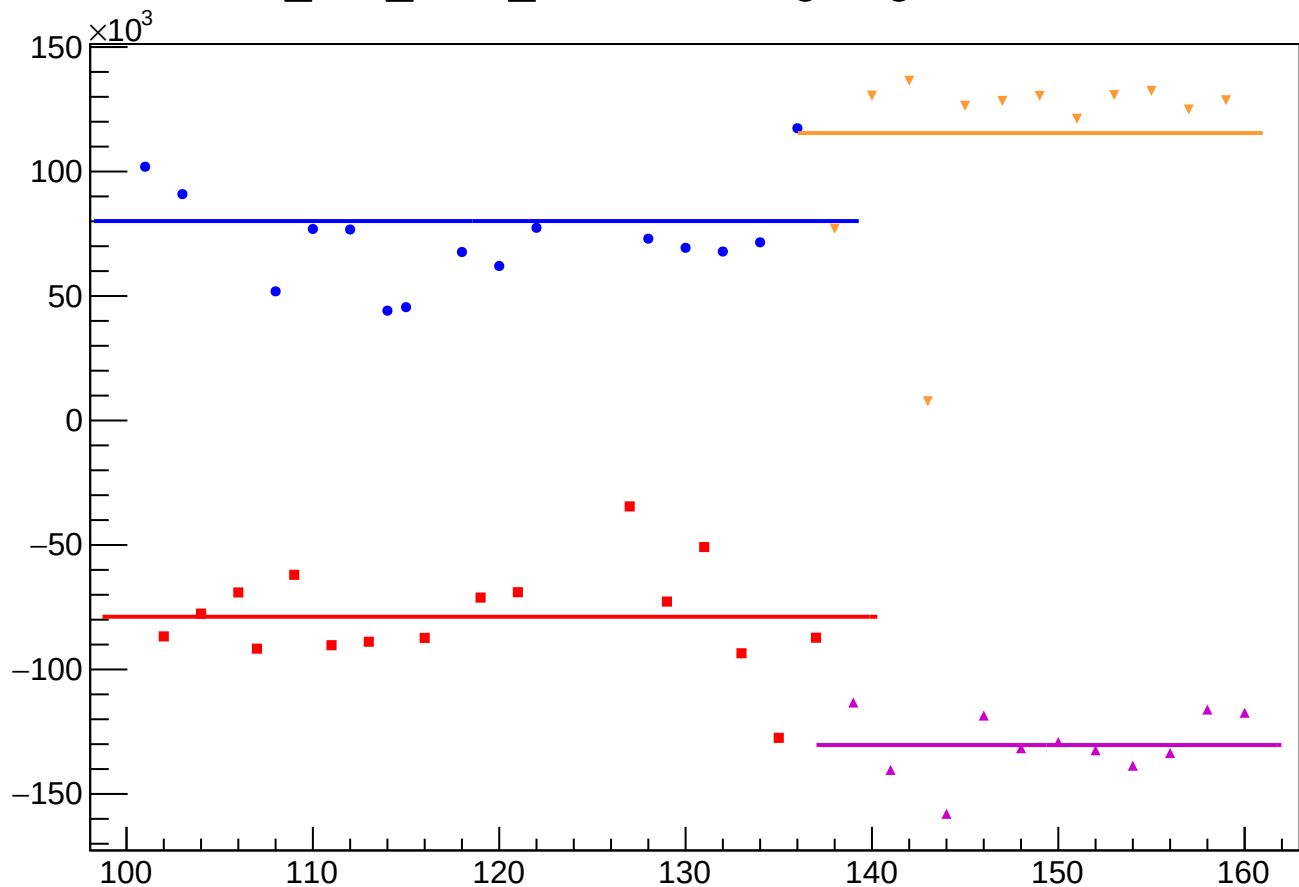
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

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

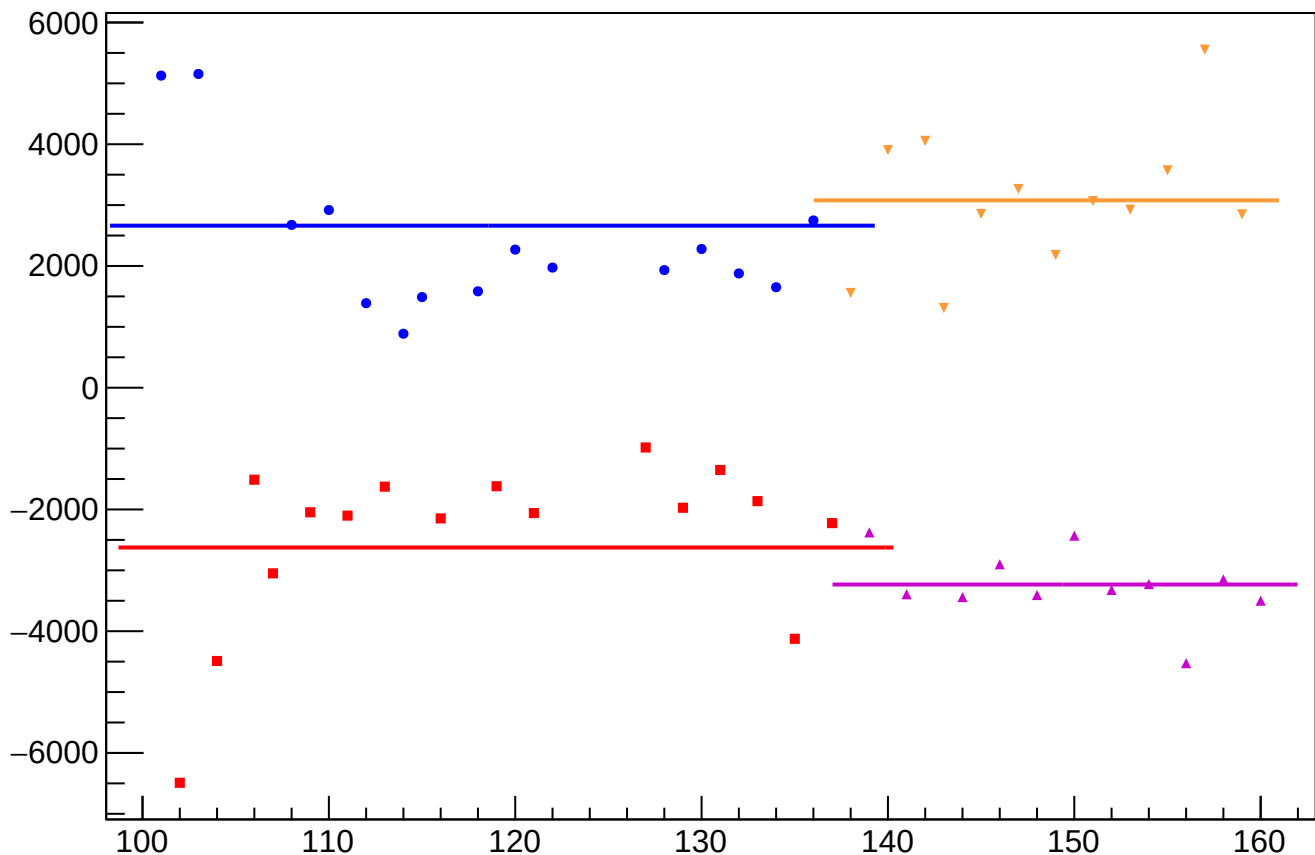
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

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

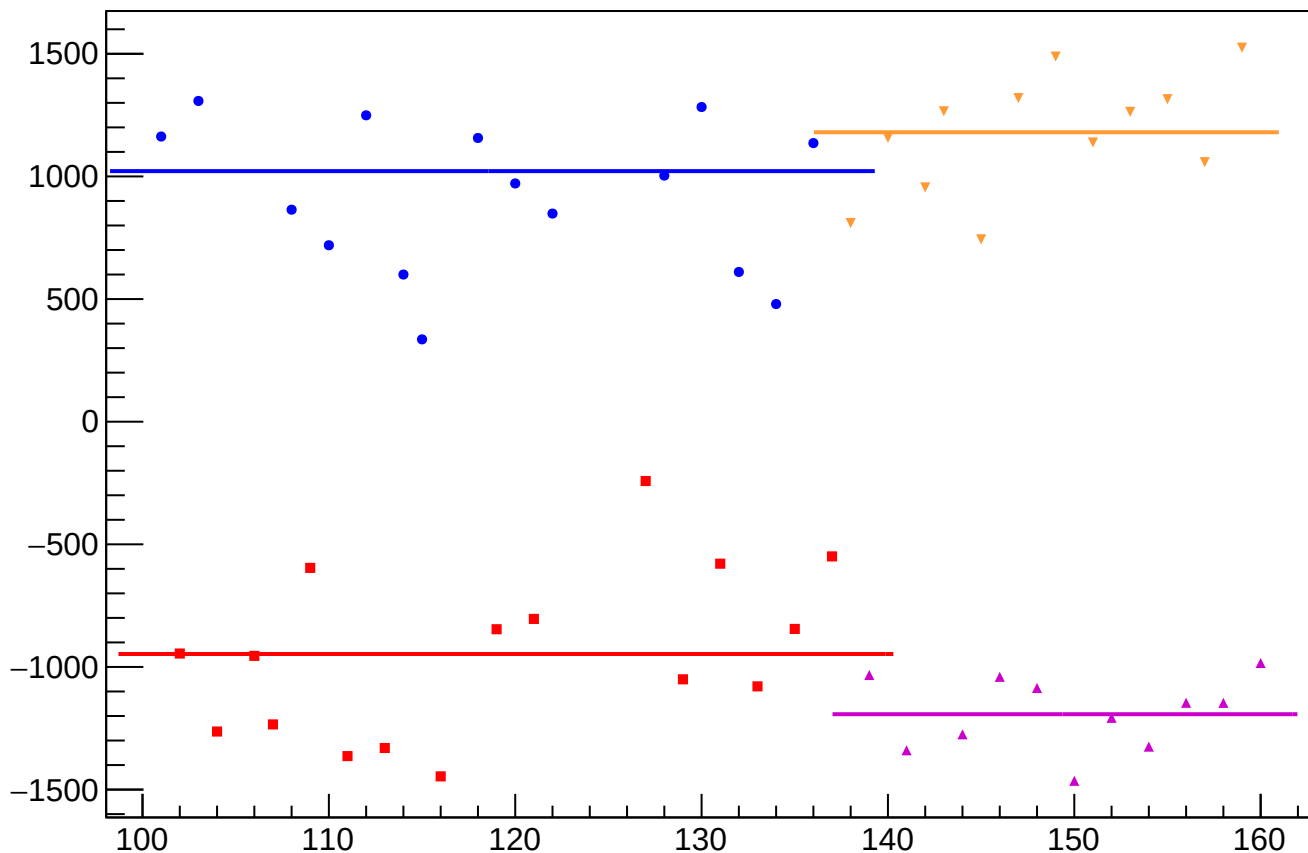
Right: -17.413+/-0.000 χ^2/NDF : 117922842657675

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

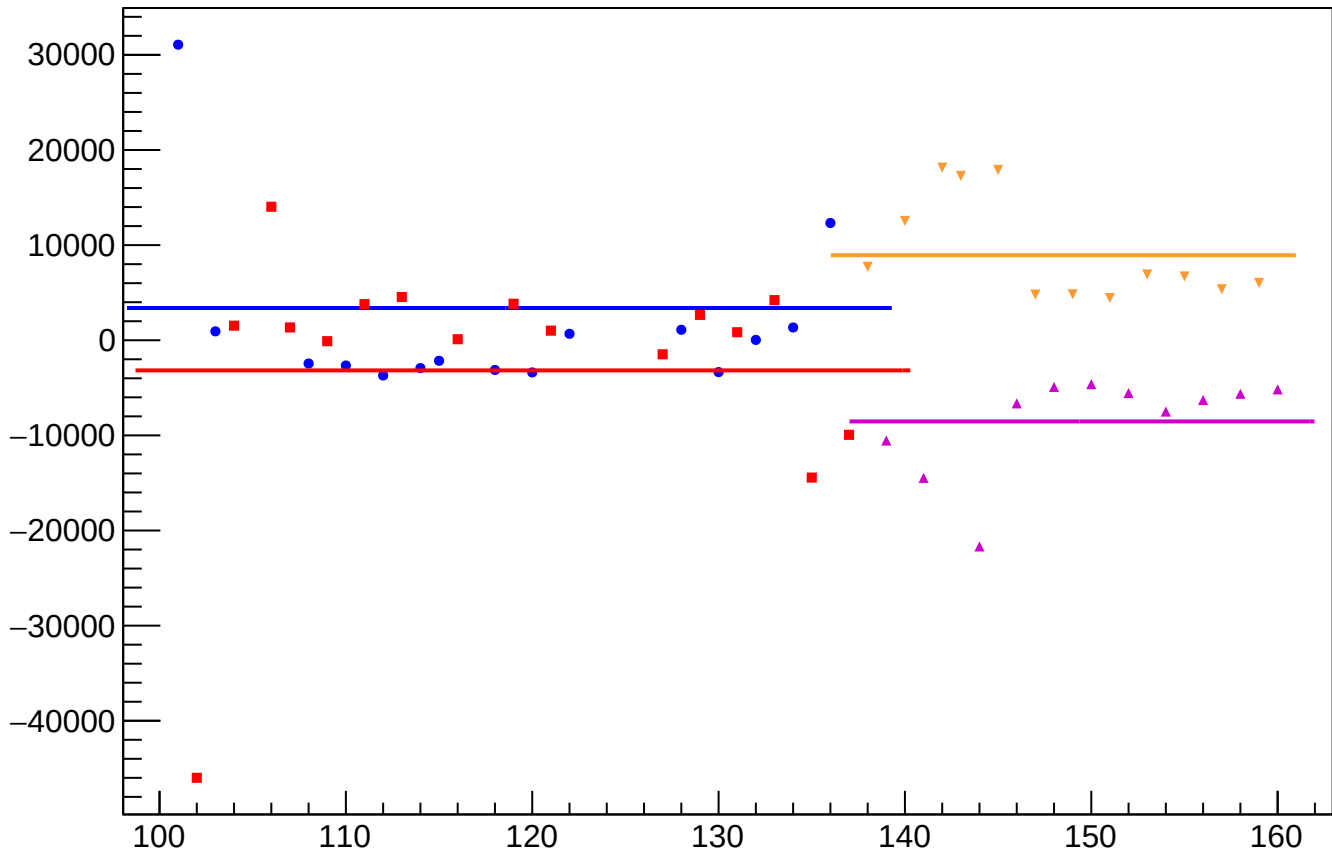
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

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

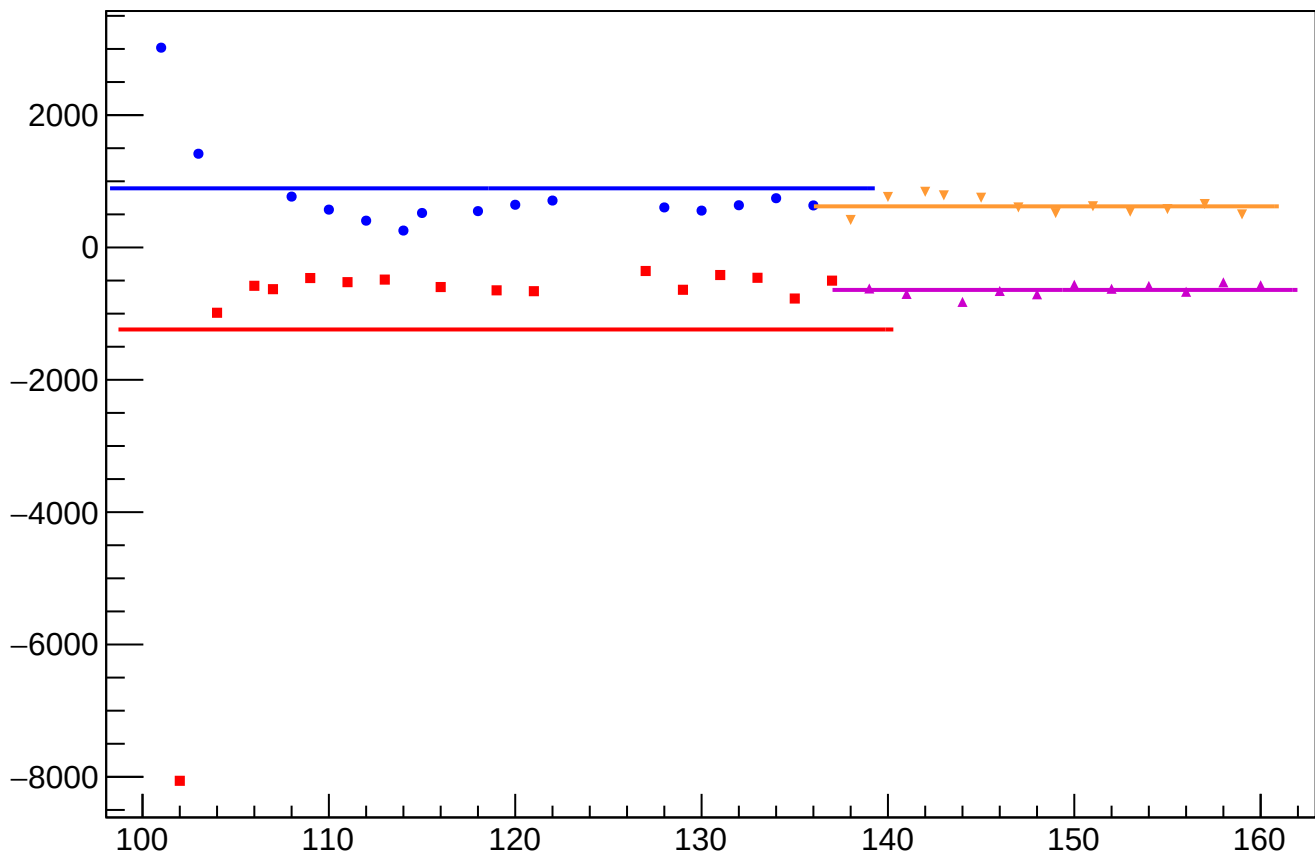
χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -8532.821+/-0.000

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

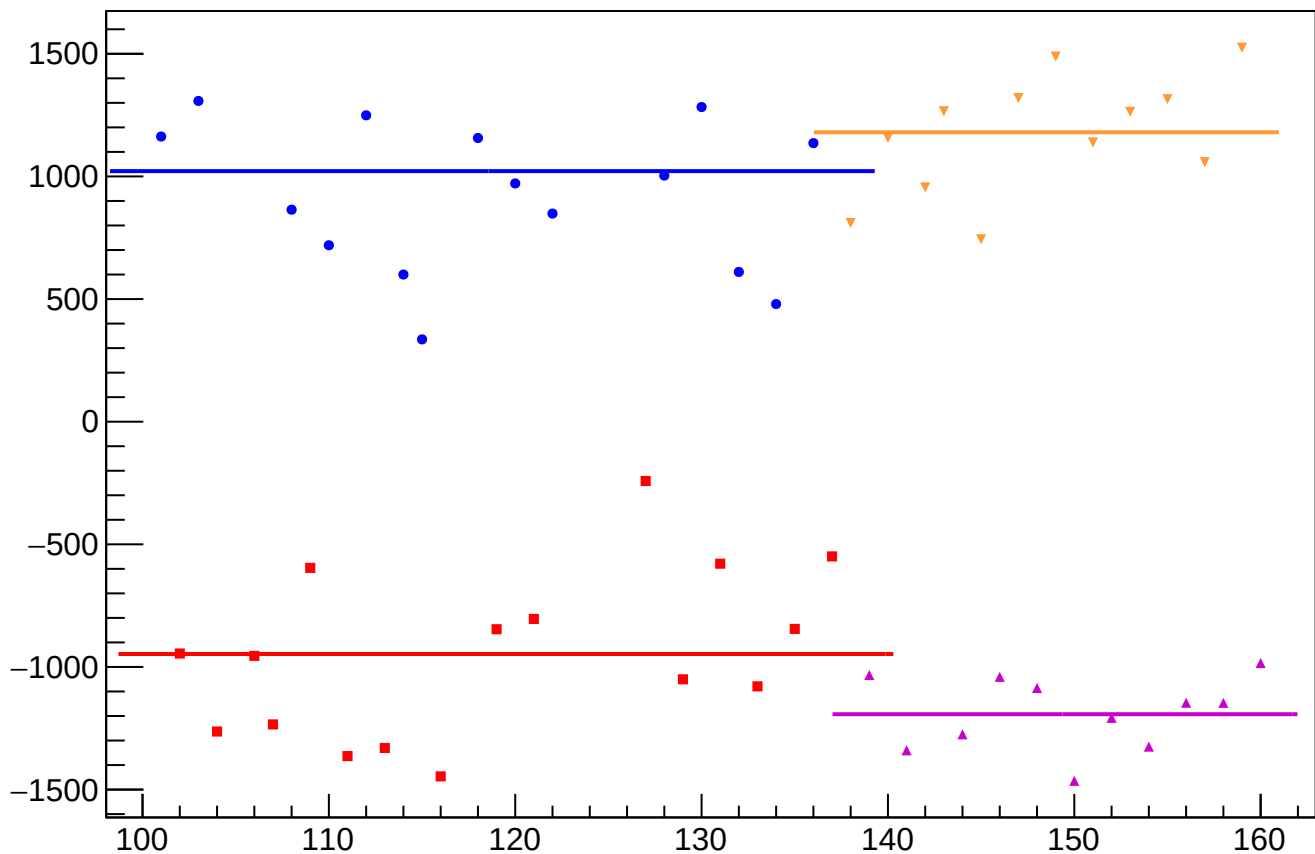
Left: 156.909+/-0.000 χ^2/NDF : 1873655199537507
 Right: 66.728+/-0.000 χ^2/NDF : 2177723560844725
 In: -3613.388+/-0.000 χ^2/NDF : 144369798447171
 Out: 3833.063+/-0.000 χ^2/NDF : 217052558141828
 All: 119.281+/-0.000 χ^2/NDF : 405144112898

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



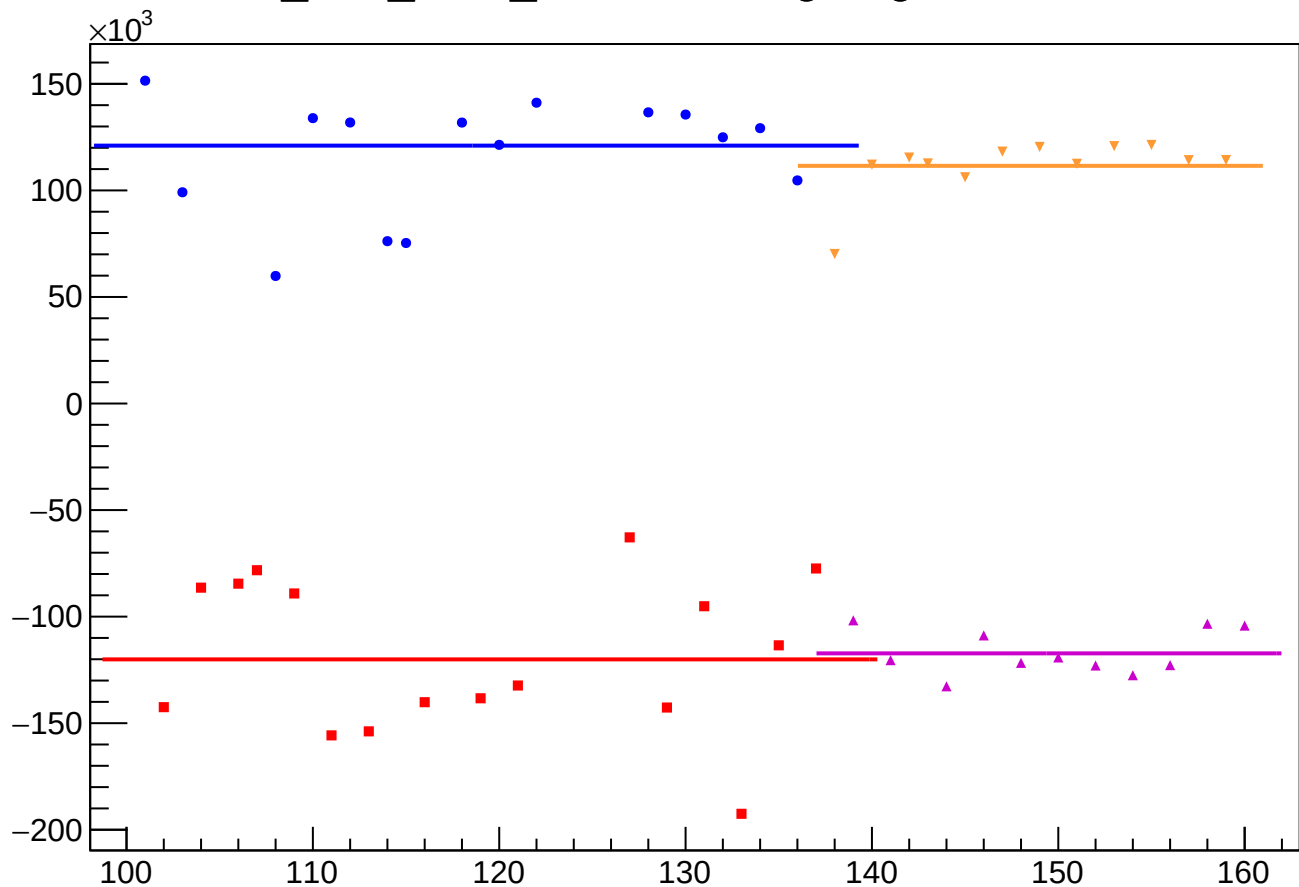
Right In: 893.683+/-0.000 χ^2/NDF : 334583619078631008932404228227359309824.0/14
 Left Out: 621.395+/-0.000 χ^2/NDF : 13220761349033595391183034930255888384.0/11
 Right Out: -1239.298+/-0.000 χ^2/NDF : 2970990859486483990408108918937565003776.0/15
 Left In: -641.490+/-0.000 χ^2/NDF : 6047241871046466320943152926715543552.0/10
 All: -86.047+/-0.000 χ^2/NDF : 557740460848

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



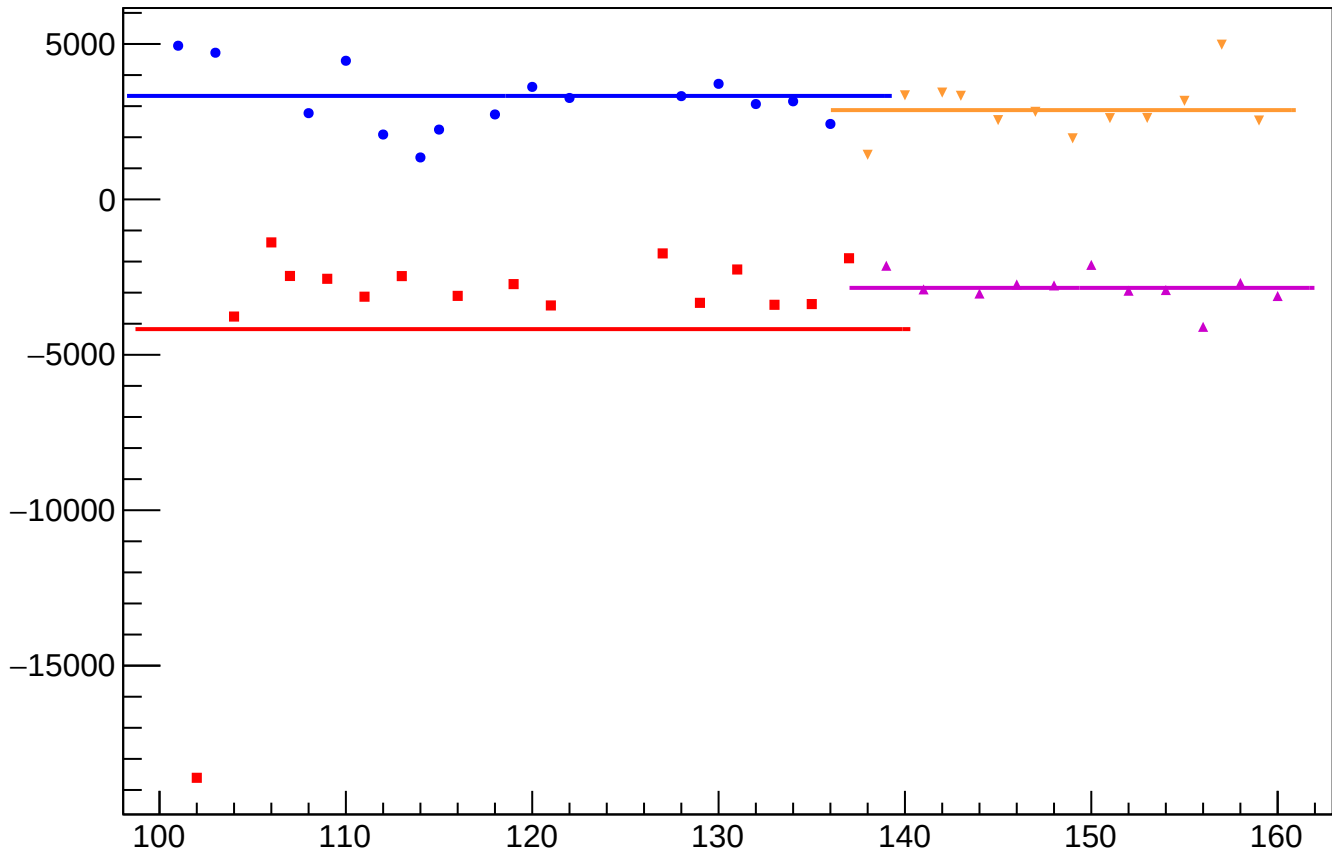
Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_atr2_coil7_mean vs Slug, Sign Corrected



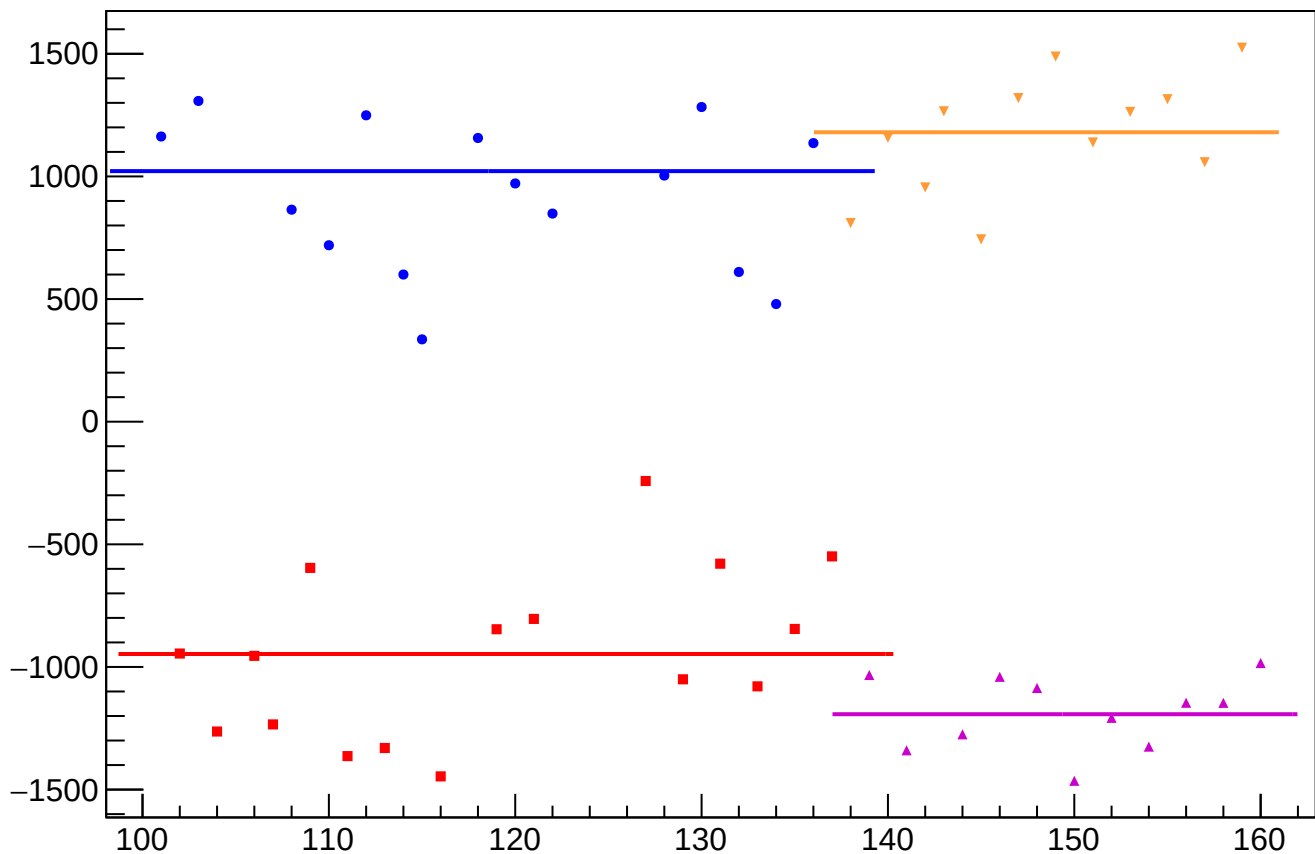
Right In: 121016.482 $\pm$ 0.000 χ^2/NDF : 358713856404303554987784975983609668173824.0/14
 Left Out: 111531.681 $\pm$ 0.000 χ^2/NDF : 162724299829921950370834246417372913074176.0/11
 Right Out: -120060.693 $\pm$ 0.000 χ^2/NDF : 828419782346707601448620310014135952736256.0/15
 Left In: -117237.465 $\pm$ 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



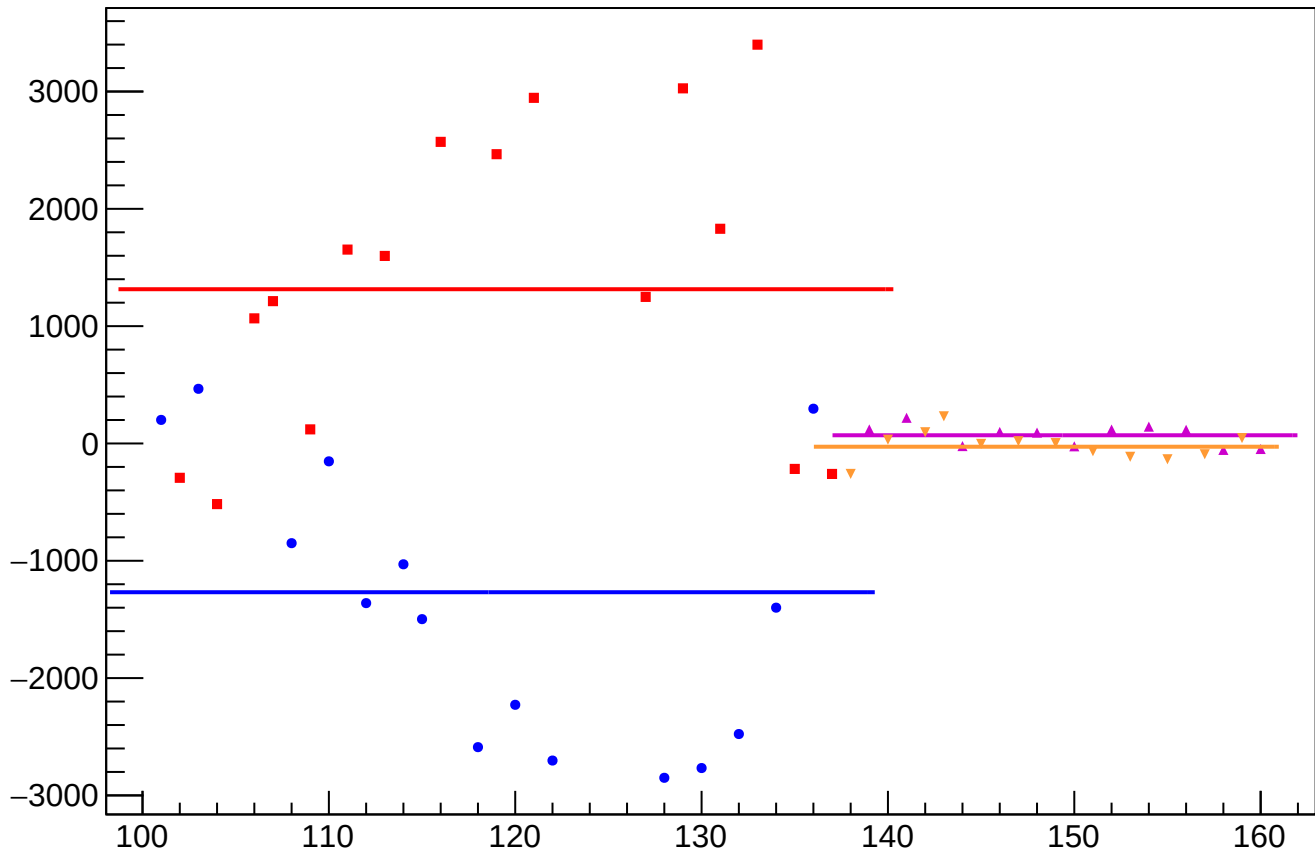
Left: -2.554 +/- 0.000 χ^2/NDF : 15921502408931202
 Right In: 3329.488 +/- 0.000 χ^2/NDF : 567034774398456376227526824513721335808.0/14
 Right: -473.285 +/- 0.000 χ^2/NDF : 32582486462967
 Left Out: 2872.567 +/- 0.000 χ^2/NDF : 662883582778902790585902196636778496000.0/11
 In: 298.400 +/- 0.000 χ^2/NDF : 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



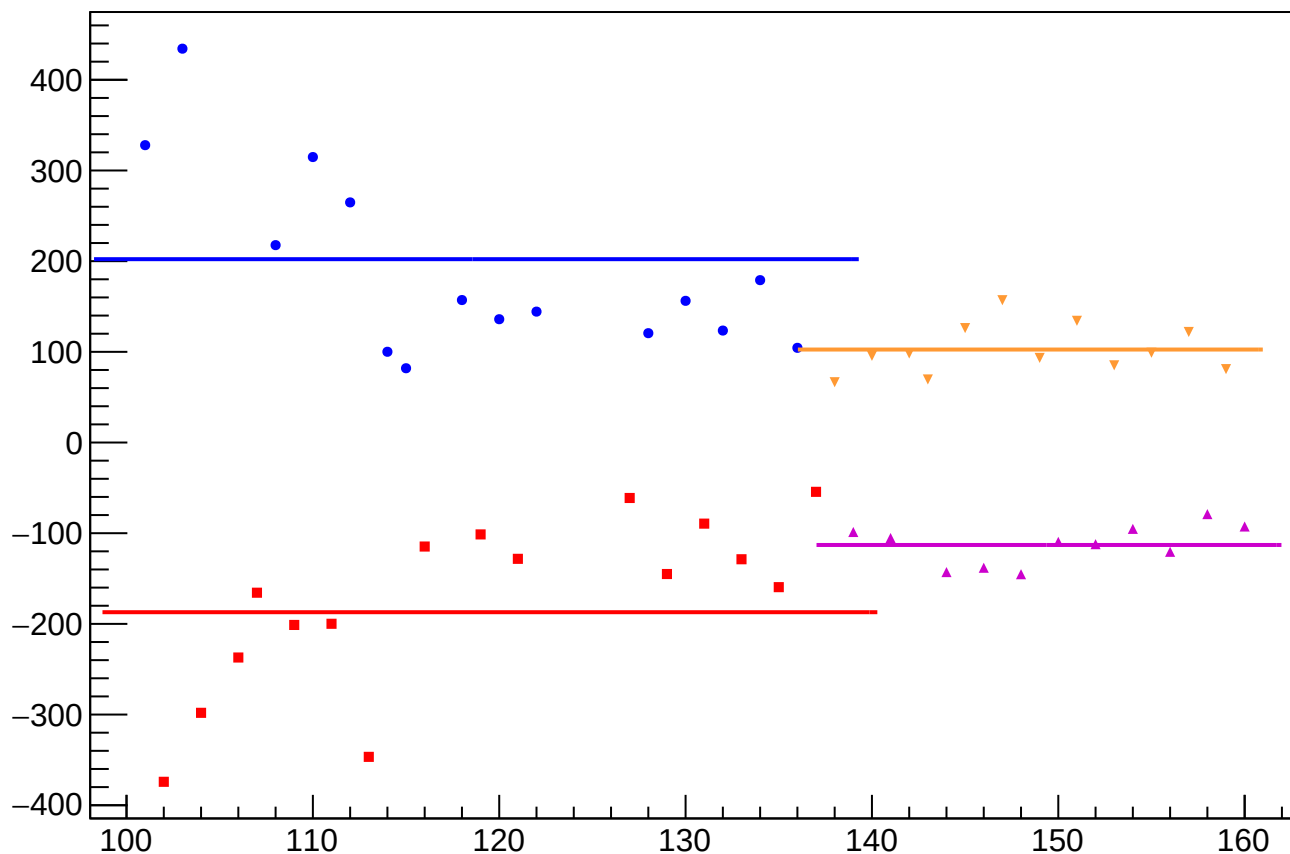
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103+/-0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687+/-0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam1_coil7_mean vs Slug, Sign Corrected



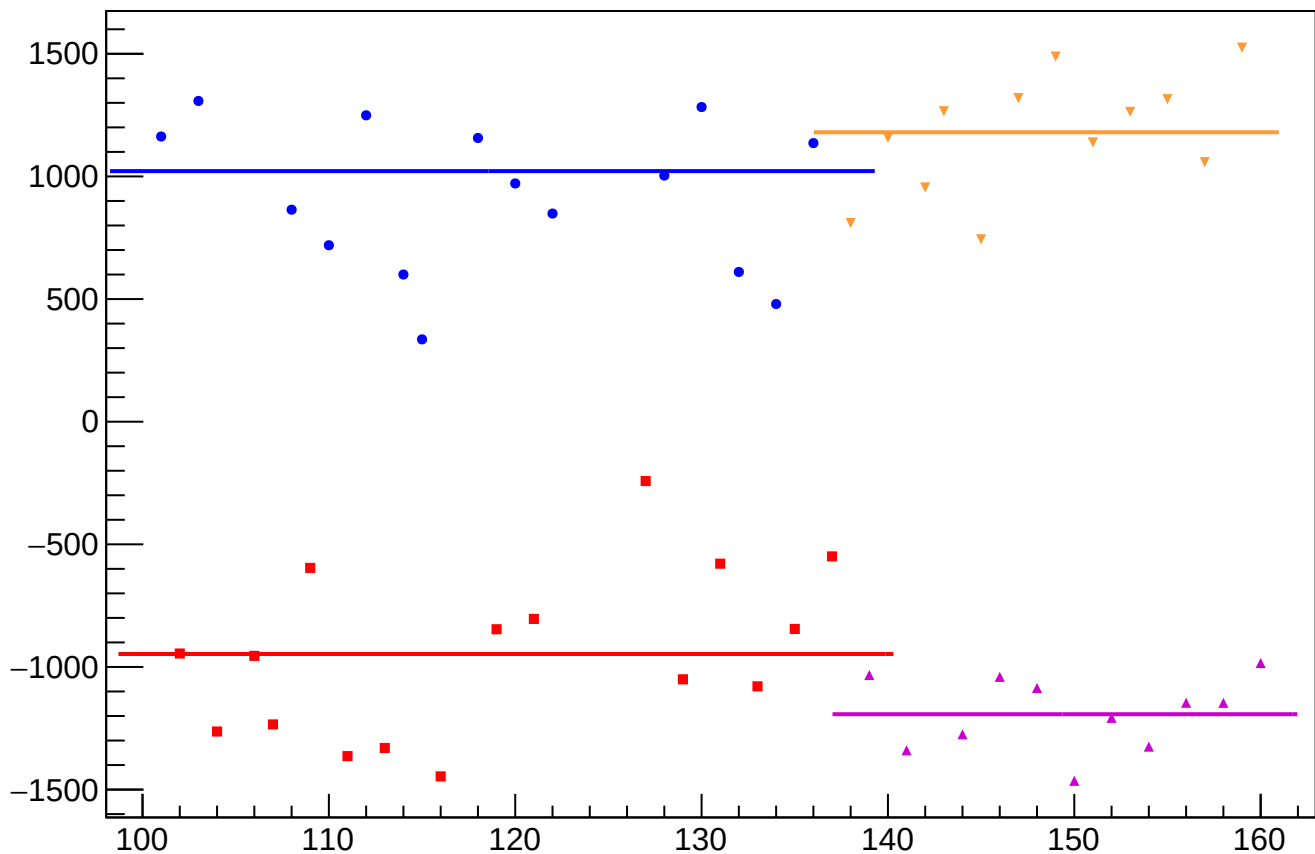
Left: 21.337 ± 0.000 $\chi^2/\text{NDF}: 2367845786701889$
 Right In: -1268.061 ± 0.000 $\chi^2/\text{NDF}: 1092280760288833856070470490800647045120.0/14$
 Right: 41.017 ± 0.000 $\chi^2/\text{NDF}: 4385100658196815$
 Left Out: -27.745 ± 0.000 $\chi^2/\text{NDF}: 12401866293776389782406733193877127168.0/11$
 In: -482.133 ± 0.000 $\chi^2/\text{NDF}: 1781620225198016$
 Right Out: 1314.767 ± 0.000 $\chi^2/\text{NDF}: 1098471313864079013714609379653260935168.0/15$
 Out: 538.641 ± 0.000 $\chi^2/\text{NDF}: 1805860646471756$
 Left In: 69.887 ± 0.000 $\chi^2/\text{NDF}: 6896729055106095492675290775544659968.0/10$
 All: 29.548 ± 0.000 $\chi^2/\text{NDF}: 4409076158029$

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 202.191+/-0.000 χ^2/NDF : 7027941052752849066369040650615128064.0/14
 Left Out: 102.547+/-0.000 χ^2/NDF : 631914374783938330949359707000668160.0/11
 Right Out: -187.126+/-0.000 χ^2/NDF : 6230029491605524746936515809941389312.0/15
 Left In: -112.981+/-0.000 χ^2/NDF : 399082569166702797505998561799569408.0/10
 All: -1.350+/-0.000 χ^2/NDF : 8557691672482

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

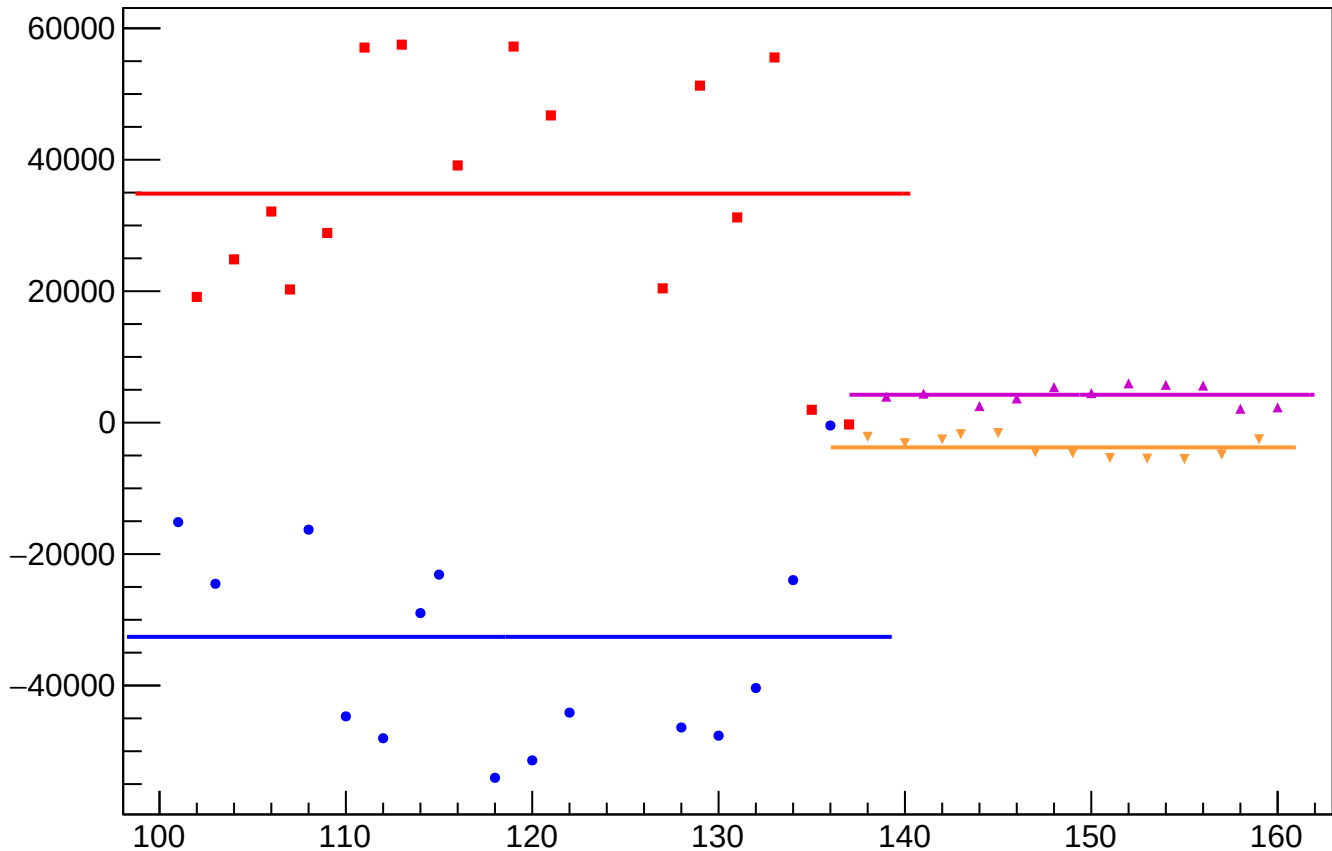
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

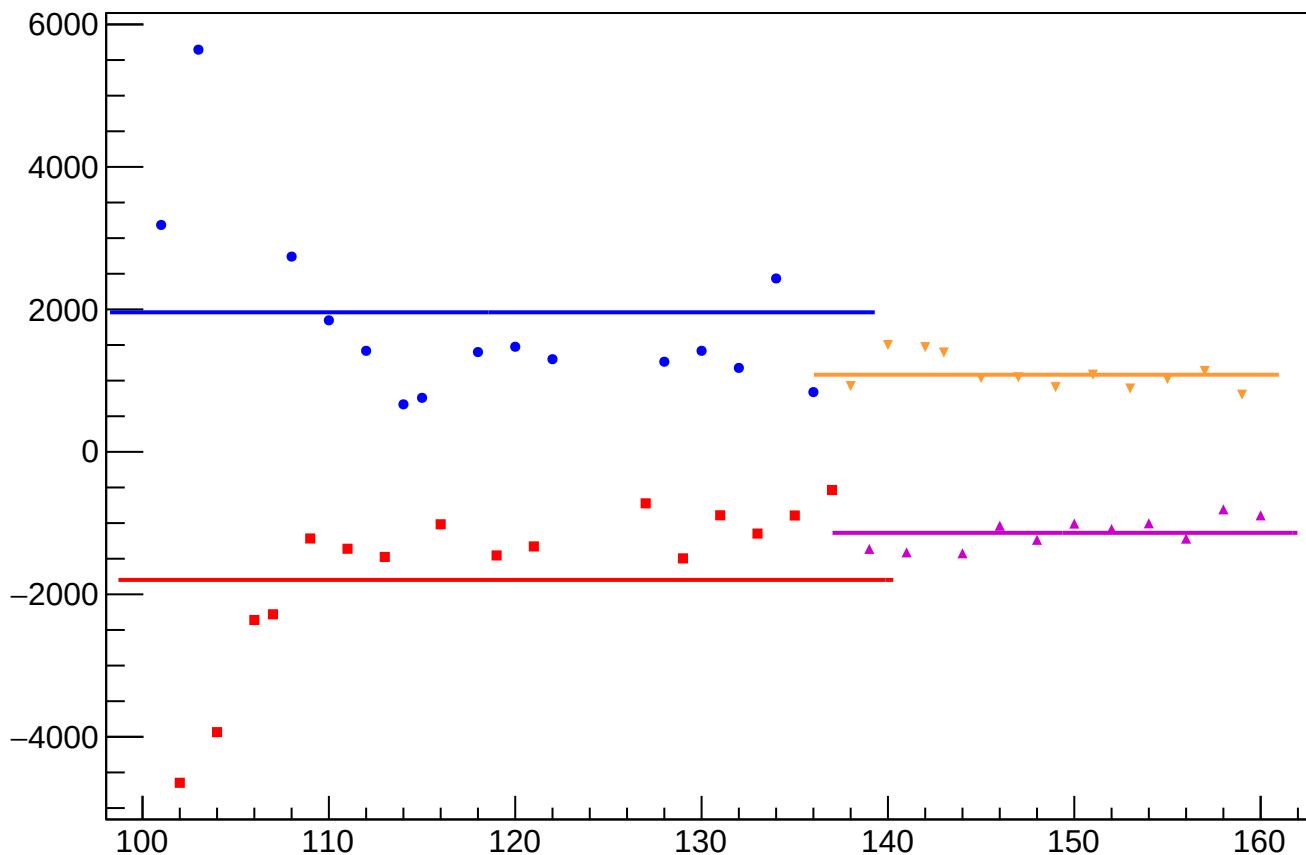
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam2_coil7_mean vs Slug, Sign Corrected



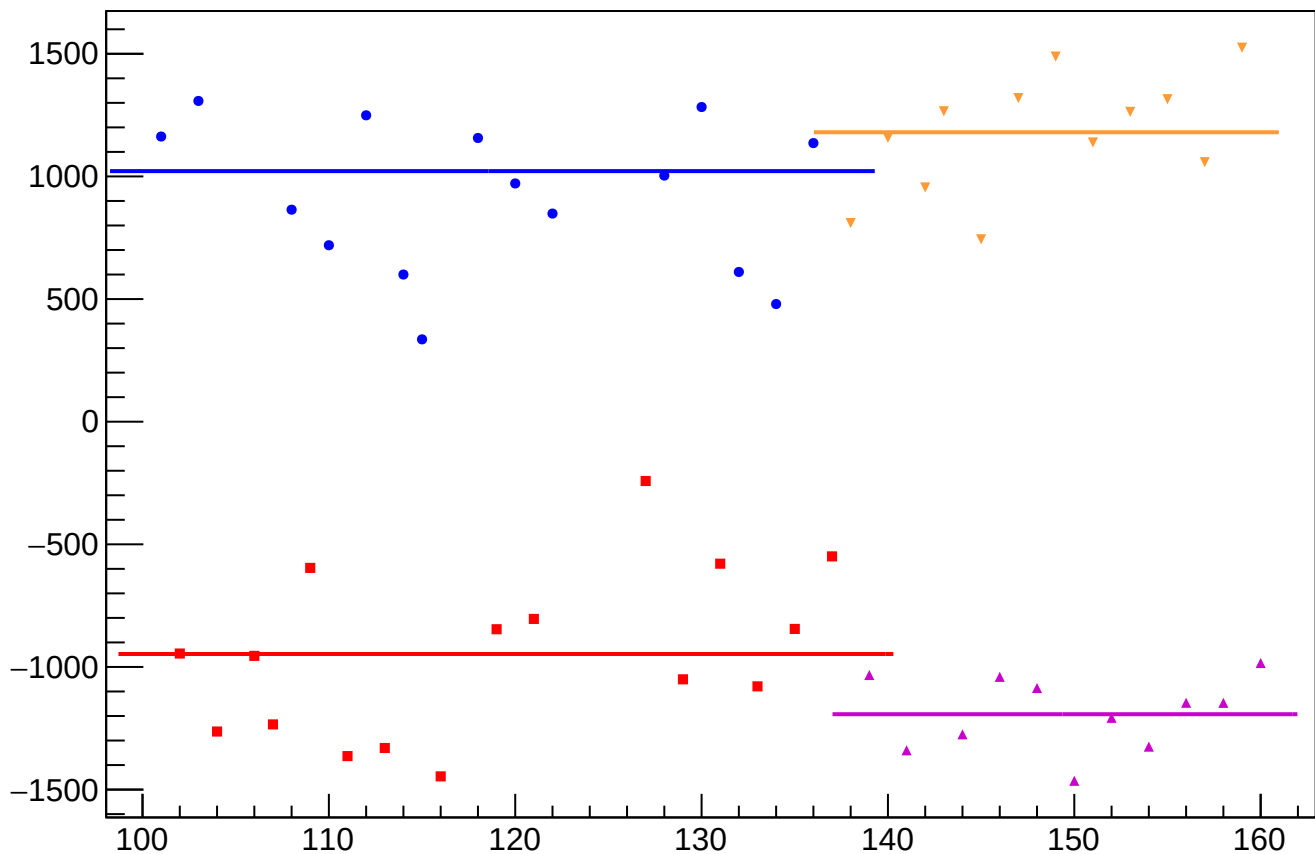
Right In: -32594.962+/-0.000 χ^2/NDF : 209150369207000564489724529020922520141824.0/14
 Left In: 4238.758+/-0.000 χ^2/NDF : 1676258877466067471746283067125033598976.0/10
 Right Out: 1587.778+/-0.000 χ^2/NDF : 19264741132603
 Left Out: -3764.764+/-0.000 χ^2/NDF : 1969097651481267133720686593450373545984.0/11
 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

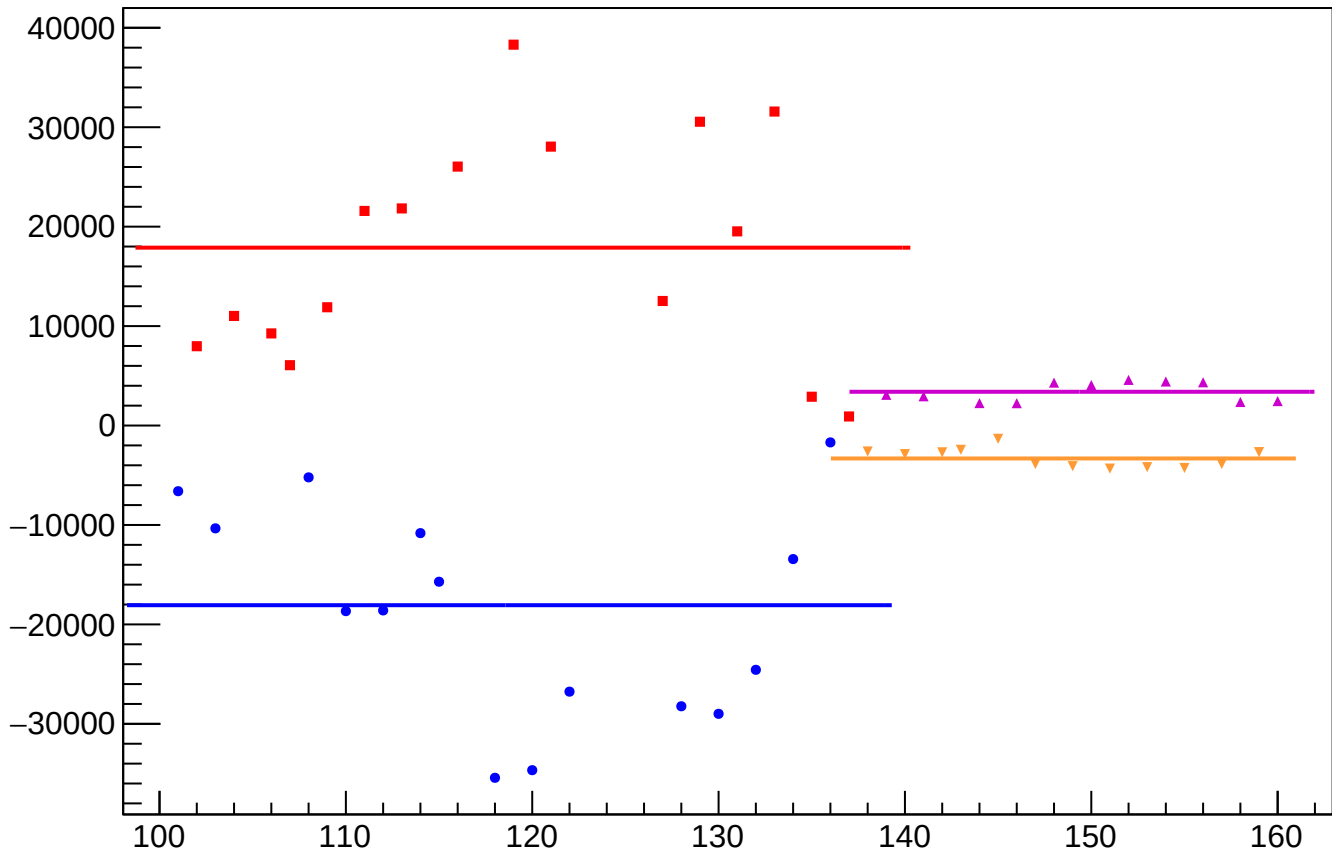
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

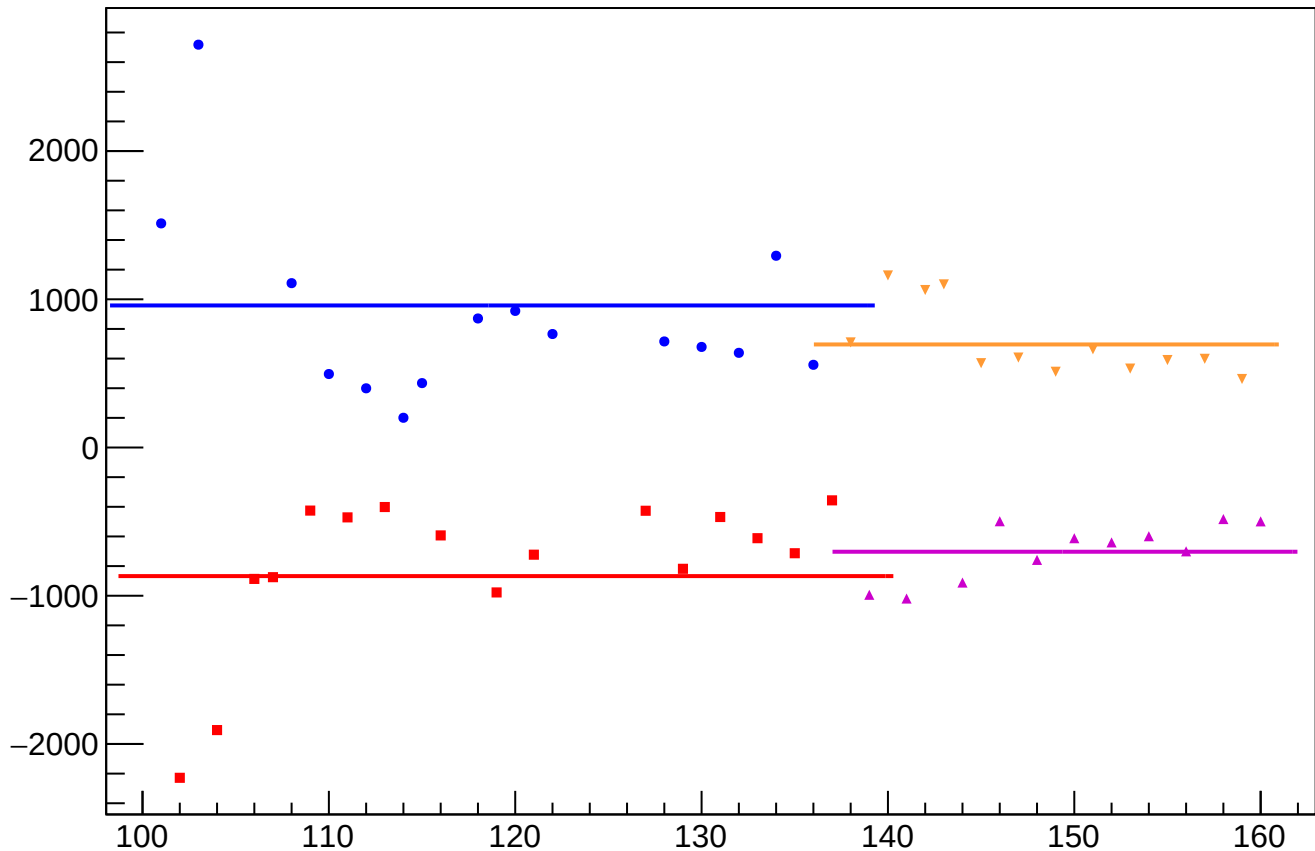
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam3_coil7_mean vs Slug, Sign Corrected



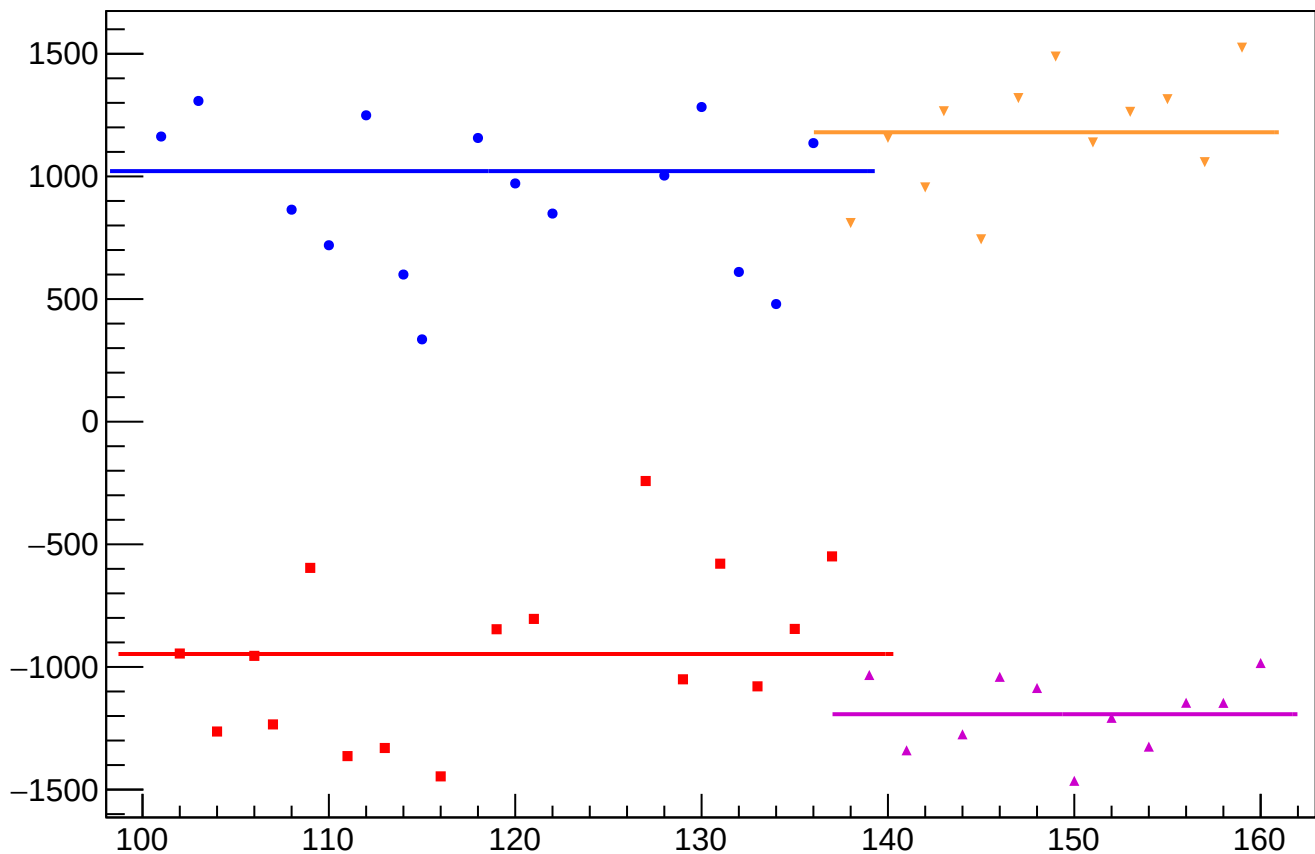
Left: 59.413+/-0.000 χ^2/NDF : 2224729910575058
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Right: 155.704+/-0.000 χ^2/NDF : 587997392225656
 Left Out: -3312.000+/-0.000 χ^2/NDF : 776933675153970093414497932746986356736.0/11
 In: -5460.979+/-0.000 χ^2/NDF : 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

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

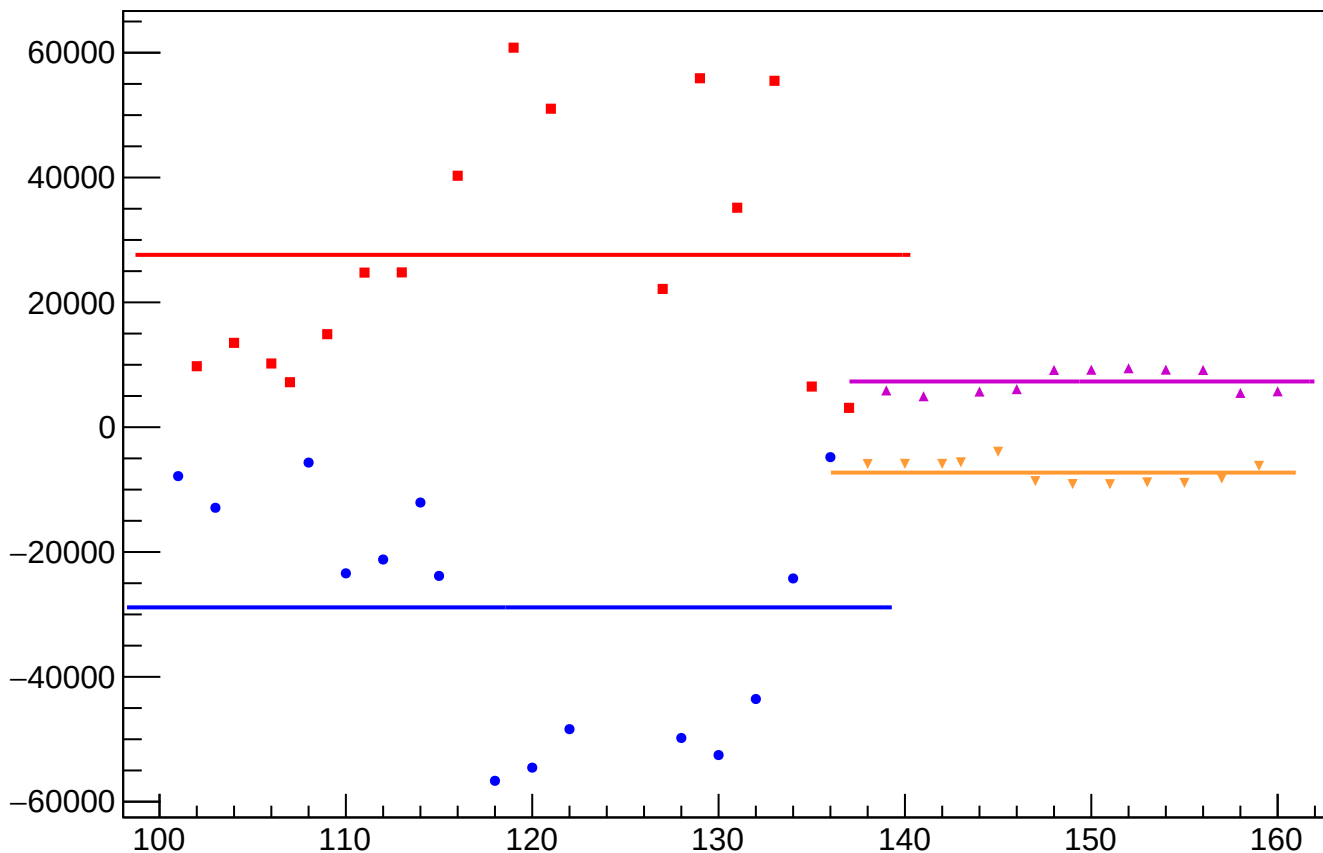
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

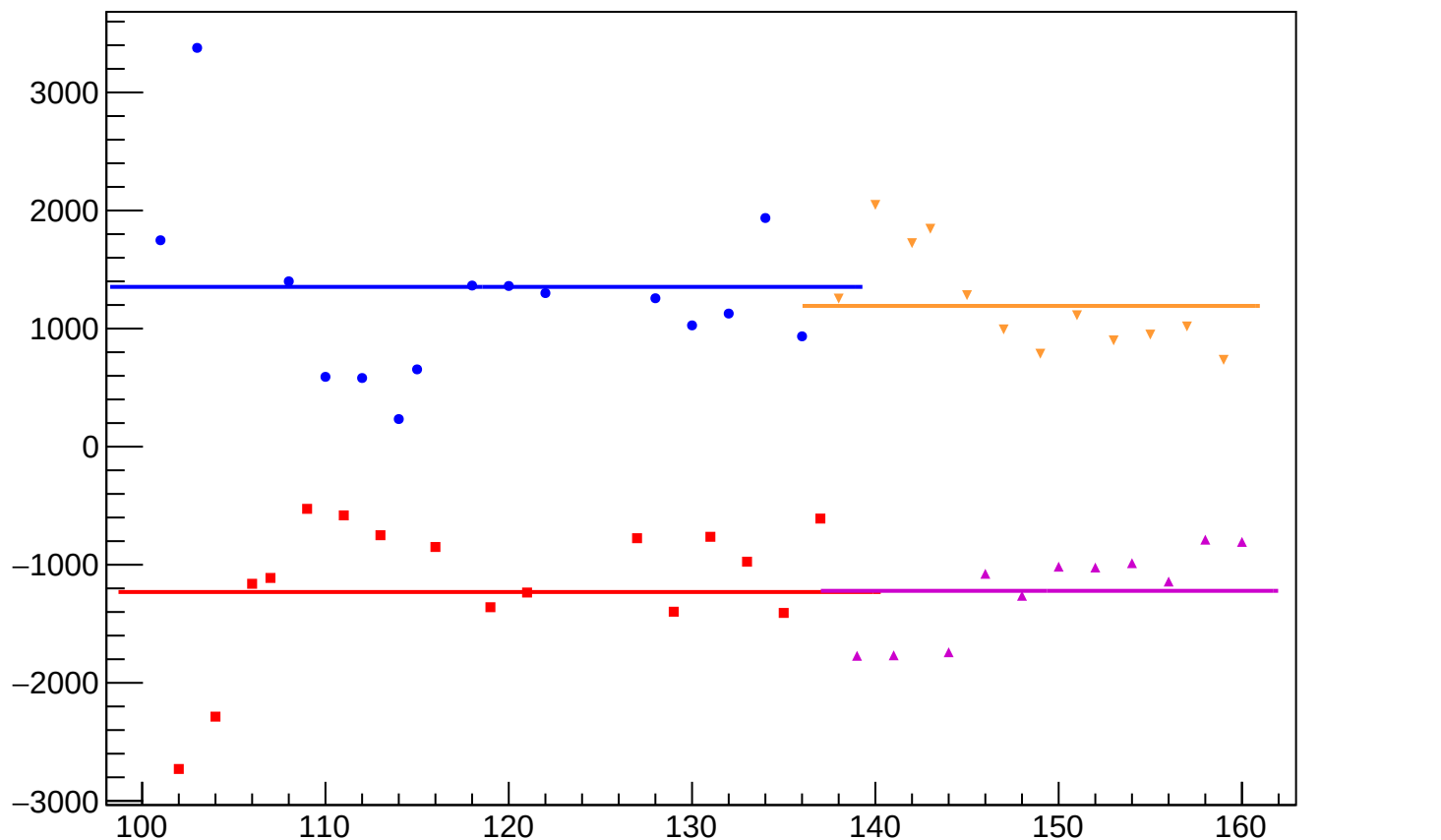
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam4_coil7_mean vs Slug, Sign Corrected



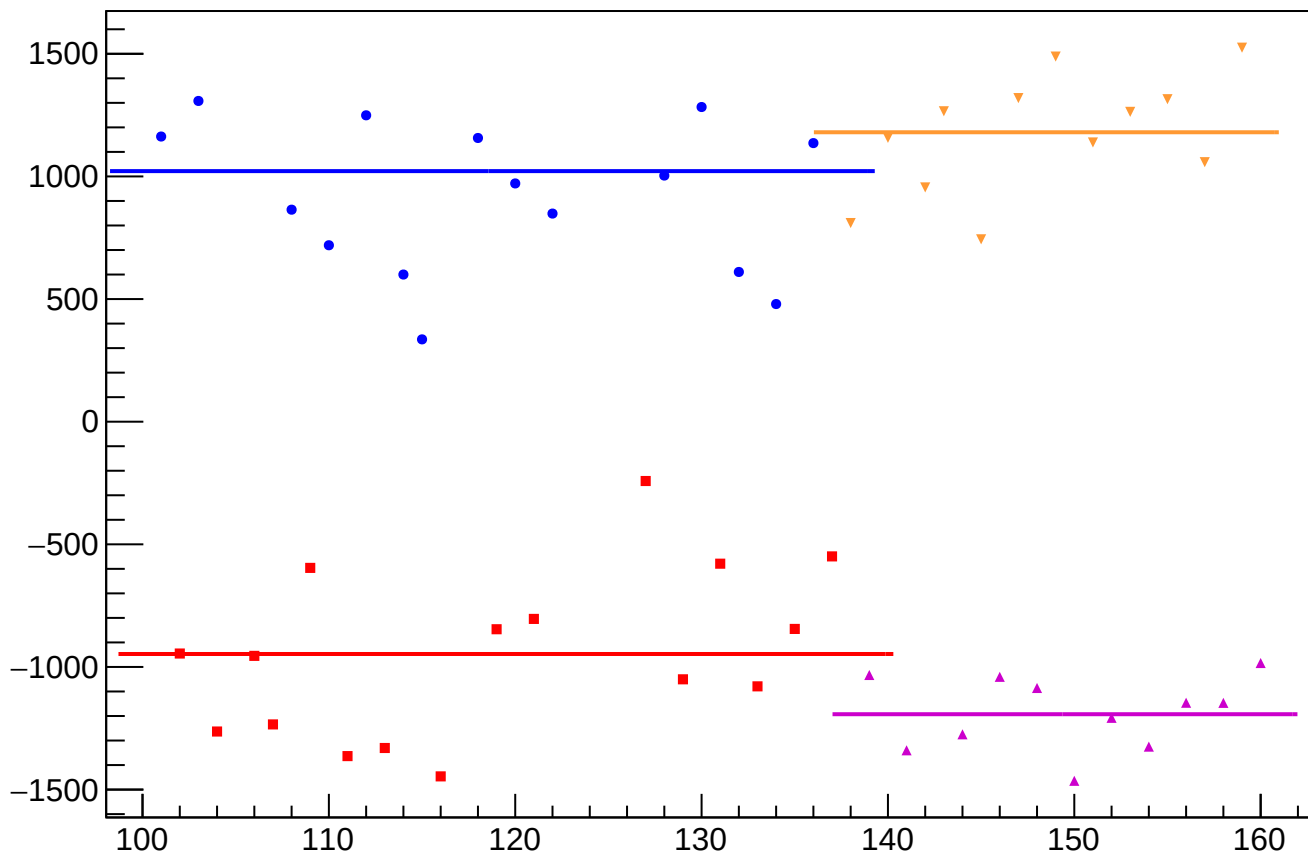
Right In: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left Out: -7277.886+/-0.000 χ^2/NDF : 2738867305918098068317388239234104557568.0/11
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Left In: 7325.095+/-0.000 χ^2/NDF : 3045991167952377112422516937599716687872.0/10
 All: -64.332+/-0.000 χ^2/NDF : 166268033579

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



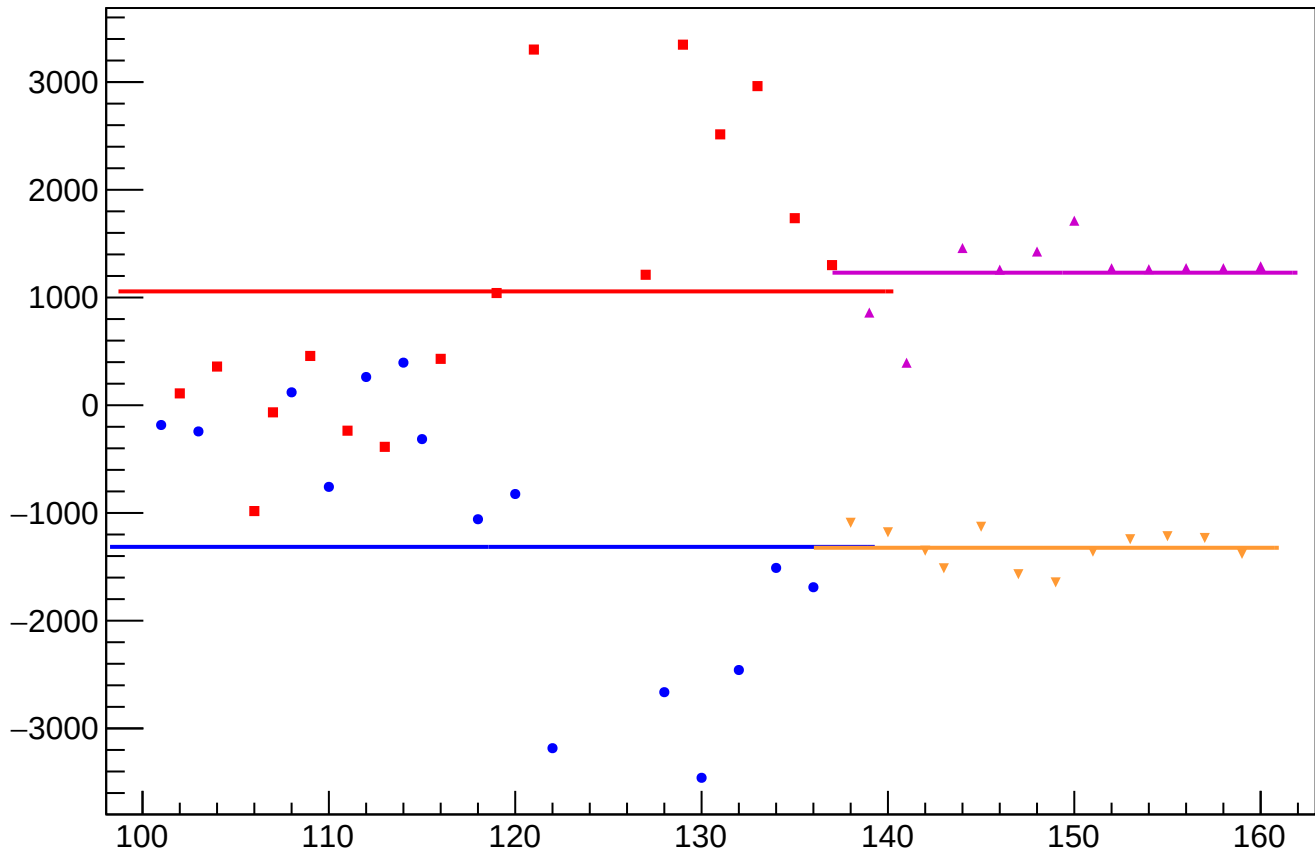
Right In: 1353.413 $\pm$ 0.000 χ^2 /NDF: 352887966702770713373861839880553758720.0/14
 Left Out: 1192.275 $\pm$ 0.000 χ^2 /NDF: 150893742871936420702627399426239365120.0/11
 Right Out: -1230.633 $\pm$ 0.000 χ^2 /NDF: 276989454129150005656872744539903754240.0/15
 Left In: -1220.761 $\pm$ 0.000 χ^2 /NDF: 116296897250486719965341990830940880896.0/10
 All: 6.116 $\pm$ 0.000 χ^2 /NDF: 57721489770329

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 Left Out: 1180.103 +/- 0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_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

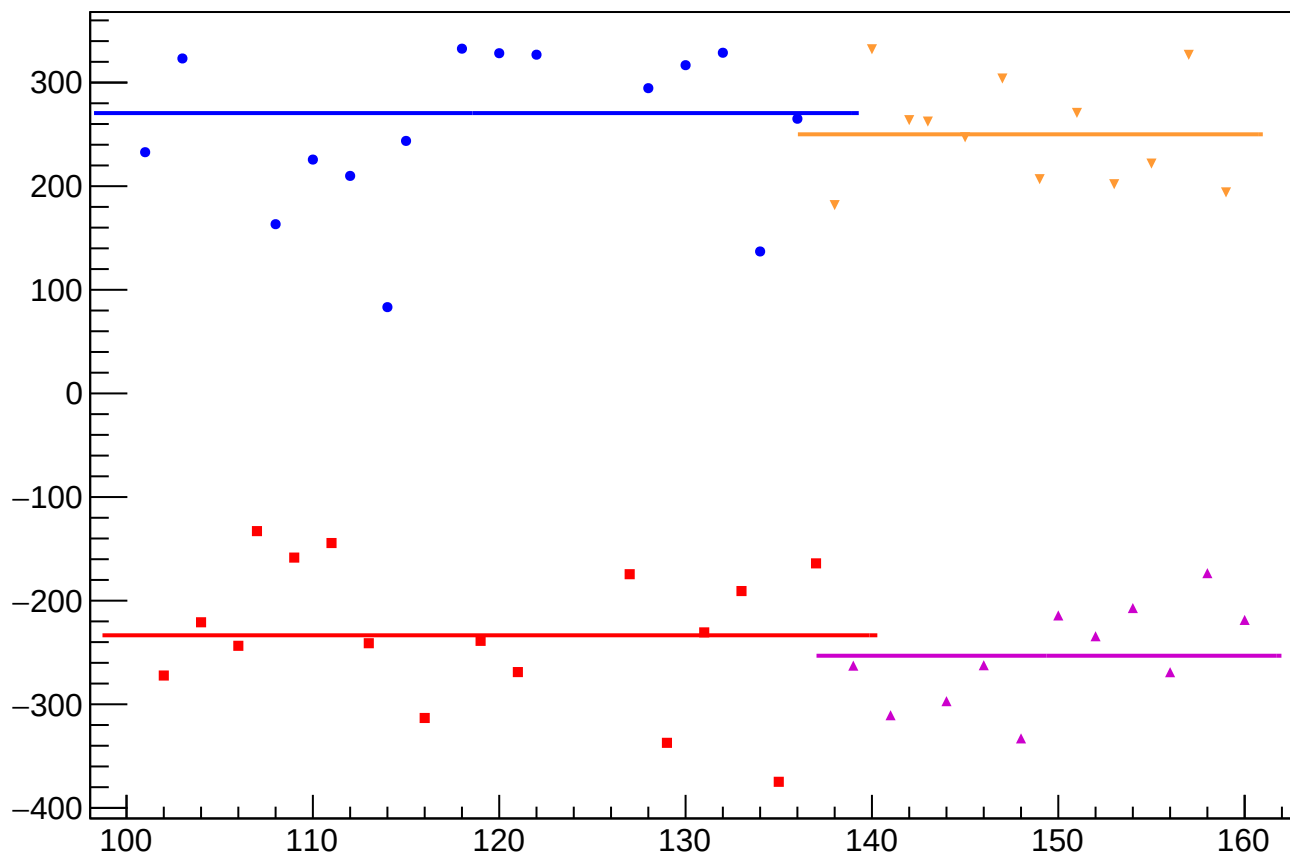
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 180.308+/-0.000 χ^2/NDF : 35361660763294785

Out: -319.095+/-0.000 χ^2/NDF : 333836126374439

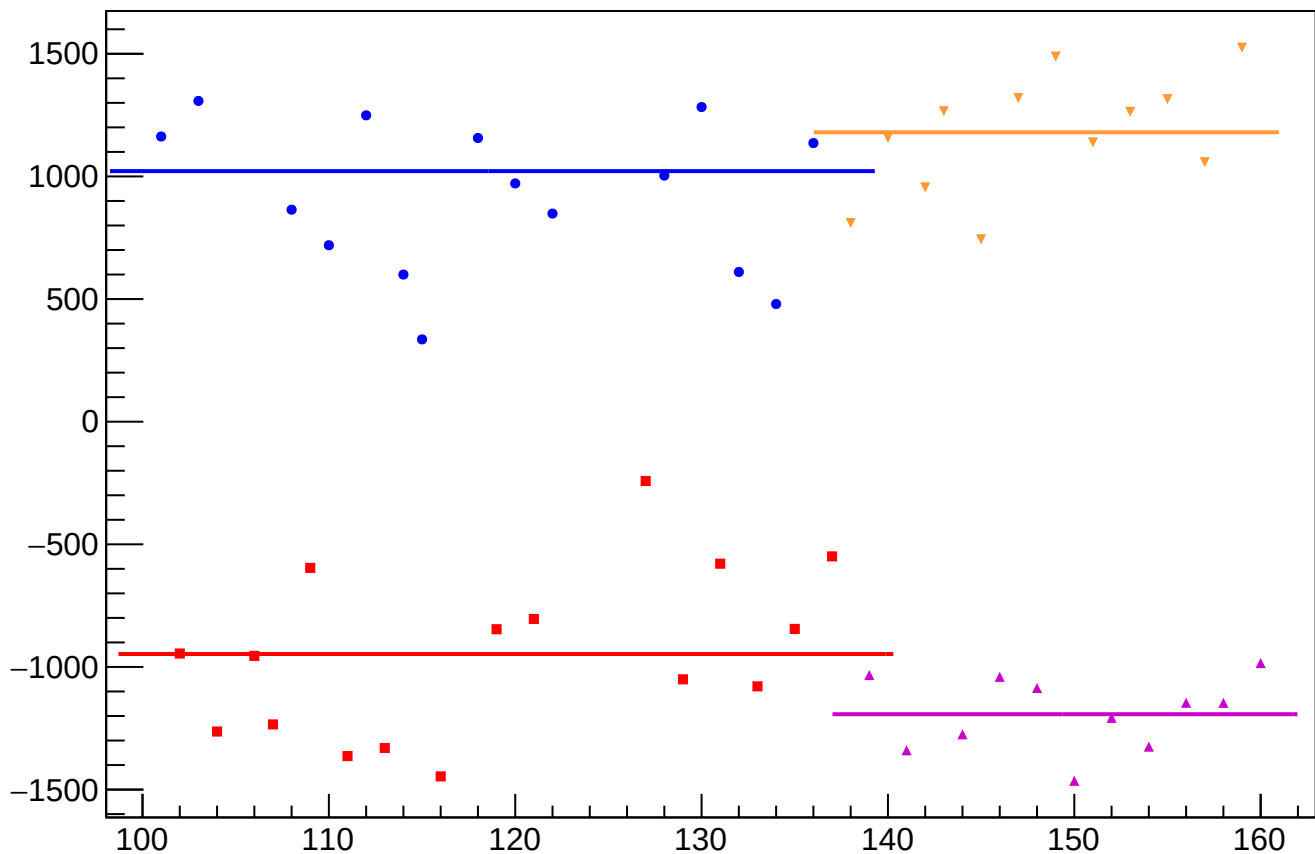
All: -70.027+/-0.000 χ^2/NDF : 707118050555

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

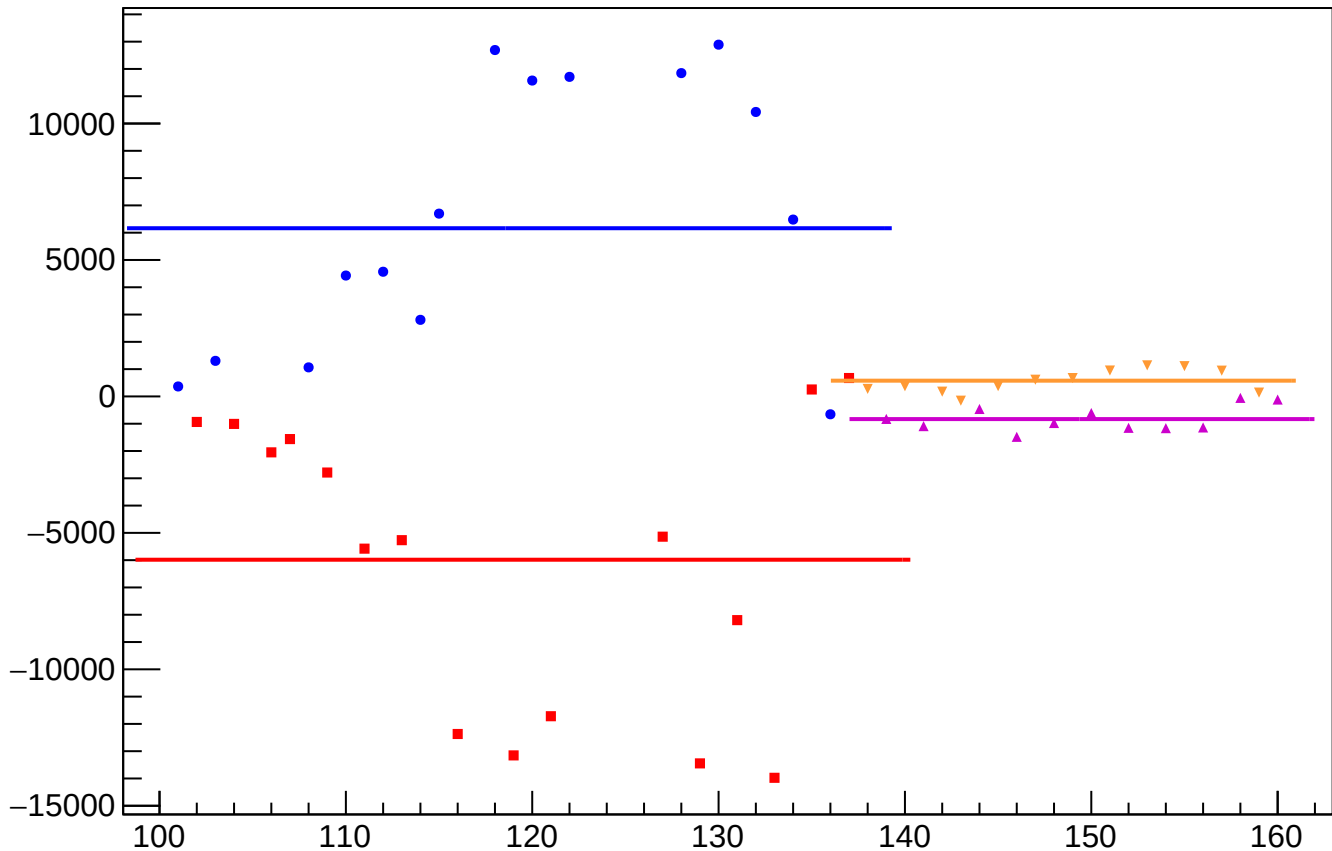
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

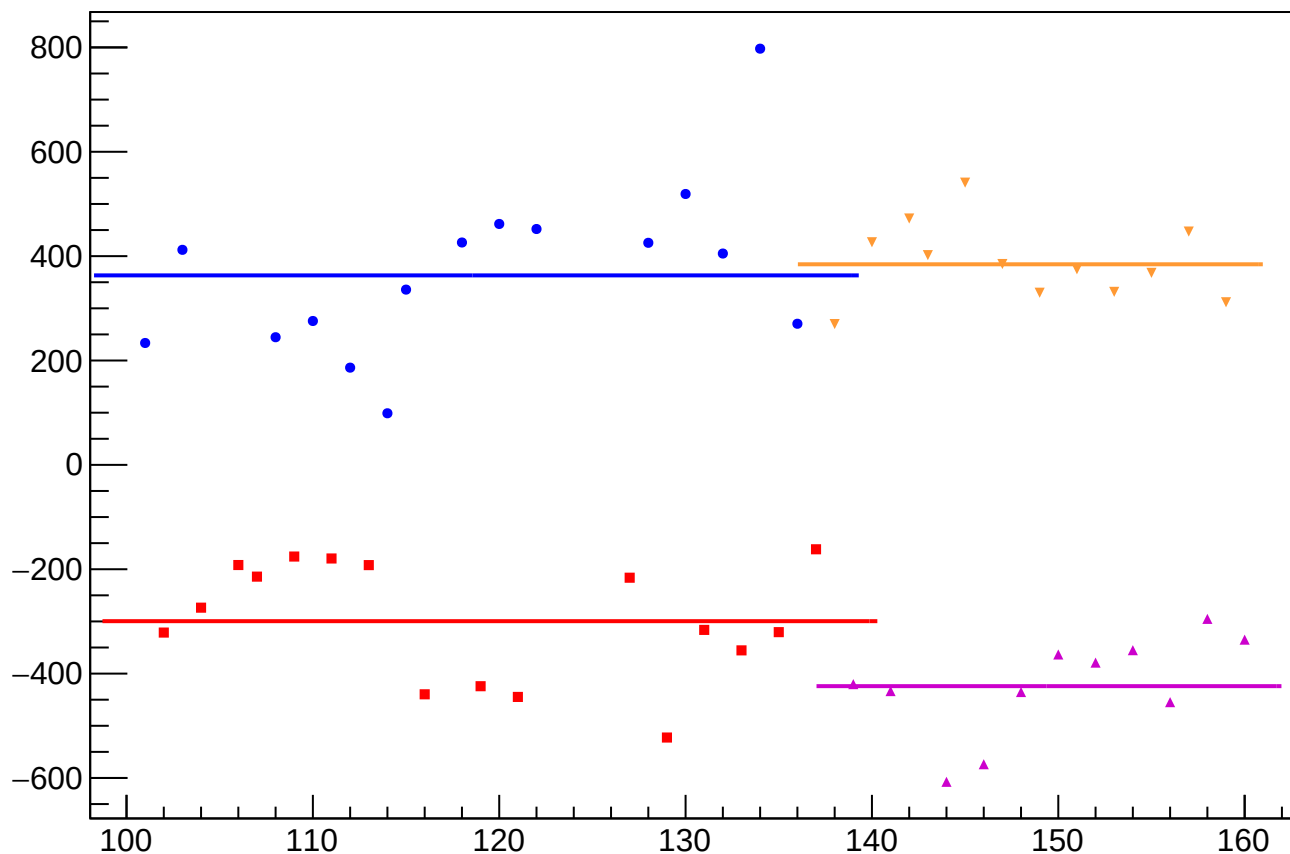
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam6_coil7_mean vs Slug, Sign Corrected



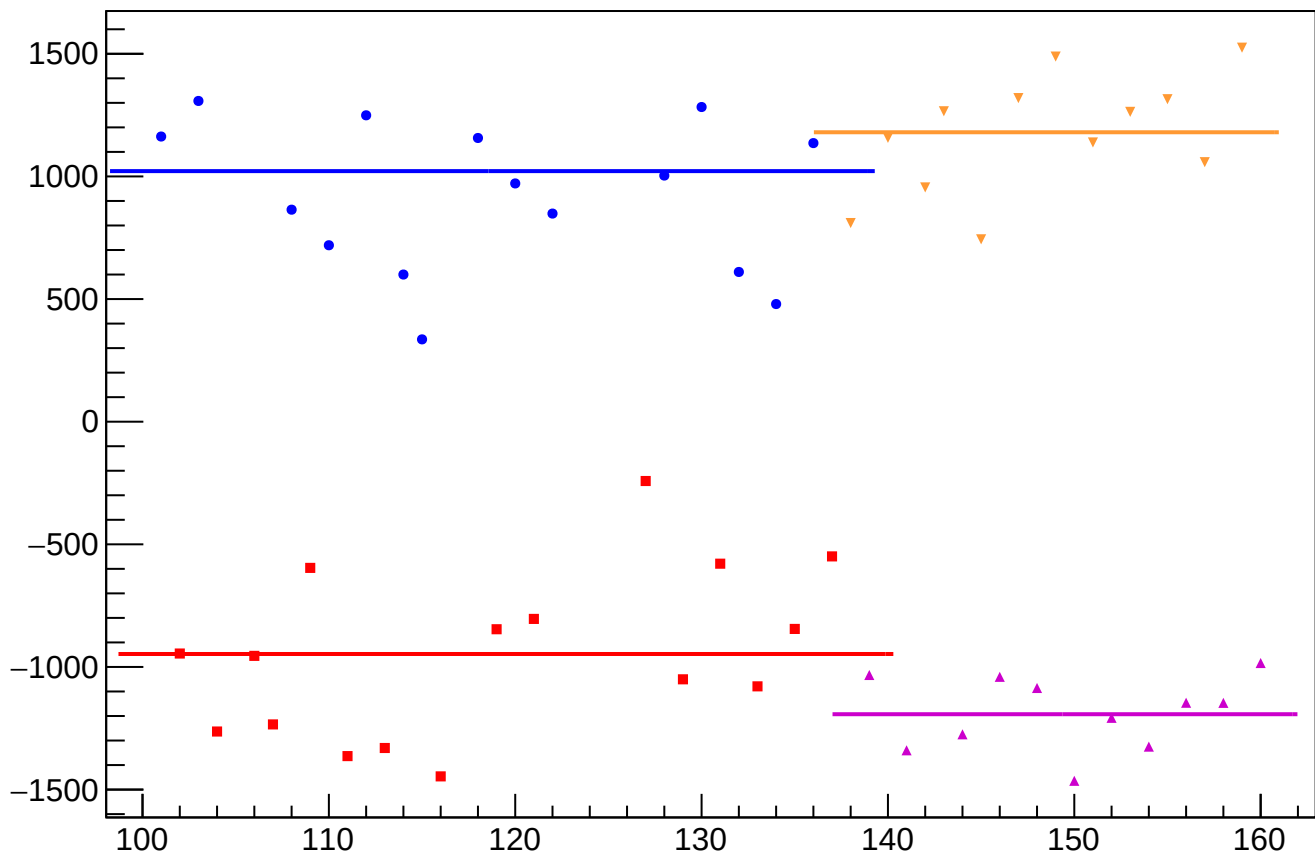
Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Left Out: 577.285+/-0.000 χ^2/NDF : 143964932817712353720884813497116917760.0/11
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 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

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

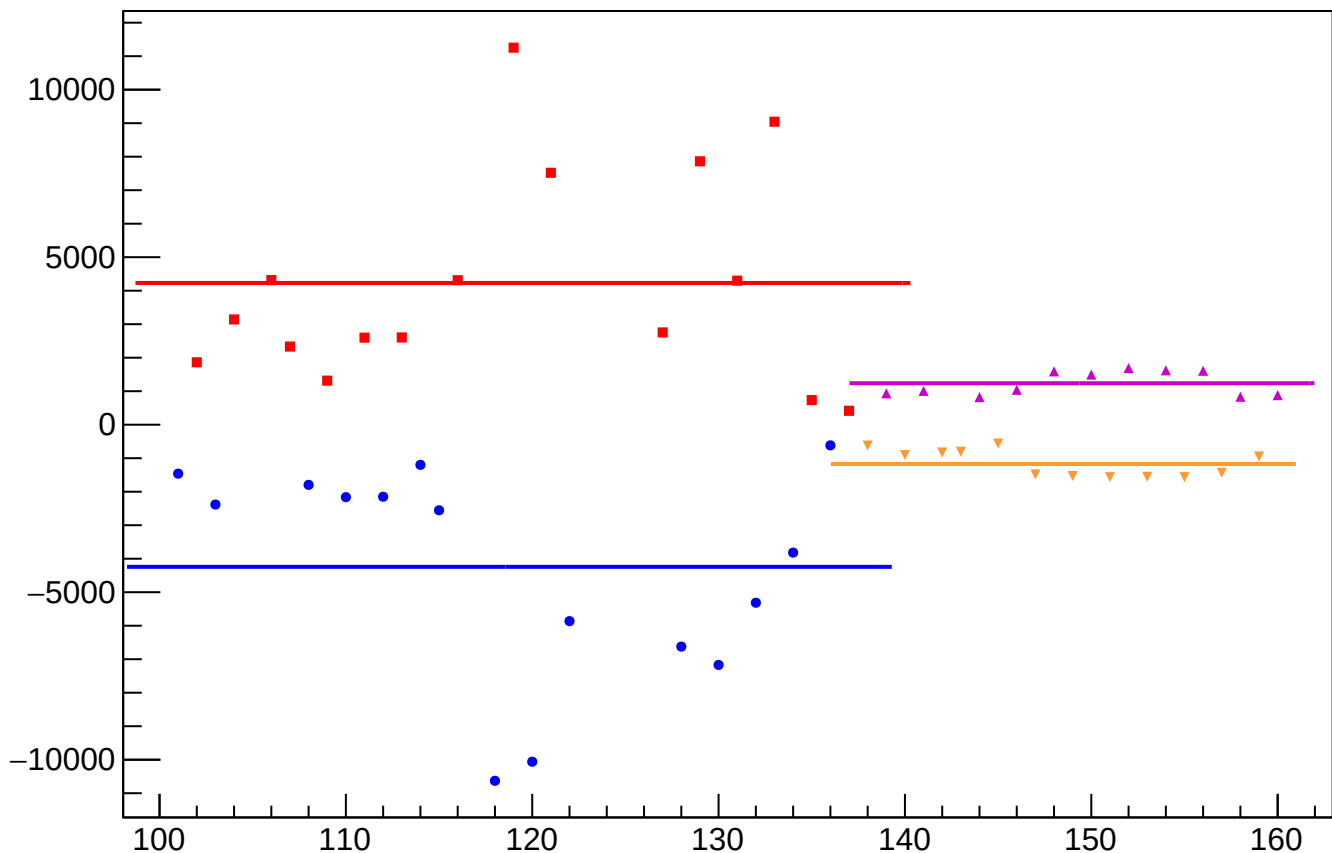
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174+/-0.000

Left Out: -1171.784+/-0.000

Right Out: 4230.978+/-0.000

Left In: 1238.776+/-0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

χ^2/NDF : 137401425112319786783295403719378599936.0/11

χ^2/NDF : 6682409528103016752204343573740930465792.0/15

χ^2/NDF : 111339045659652616720712870833504124928.0/10

Left: 40.054+/-0.000 χ^2/NDF : 29187236314249197

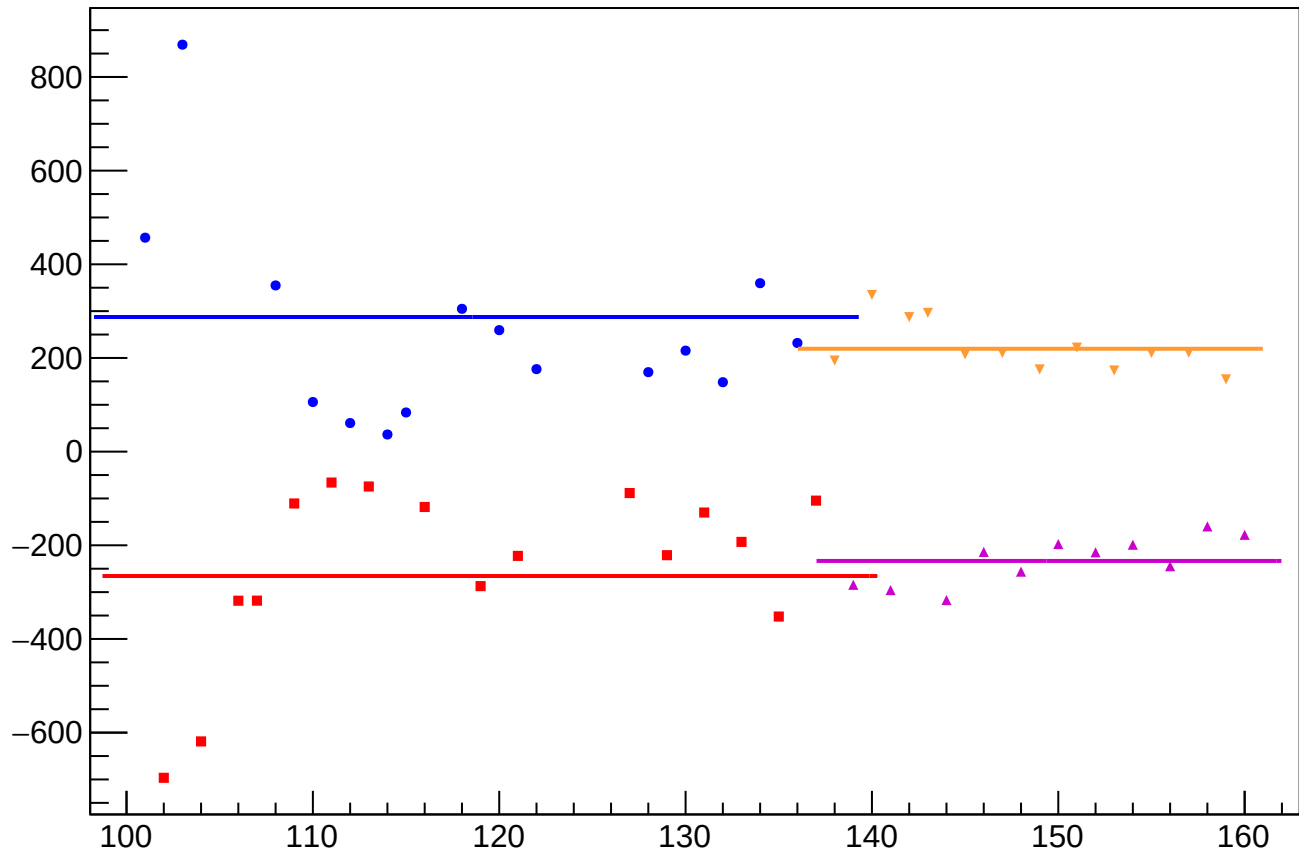
Right: 52.349+/-0.000 χ^2/NDF : 3708179263230228

In: -1022.595+/-0.000 χ^2/NDF : 183472960455815

Out: 1107.560+/-0.000 χ^2/NDF : 180754931945864

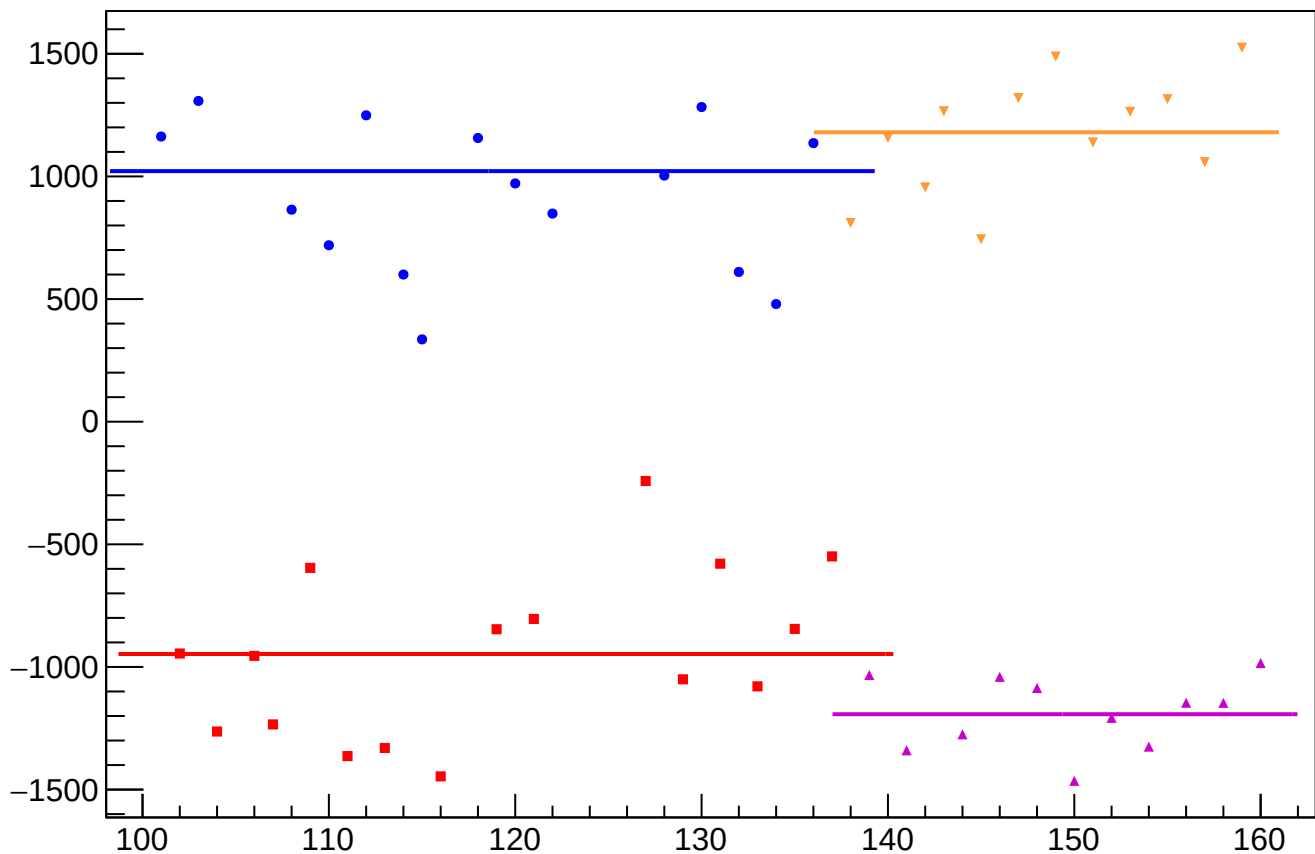
All: 45.184+/-0.000 χ^2/NDF : 4000063219777

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460 $\pm$ 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

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

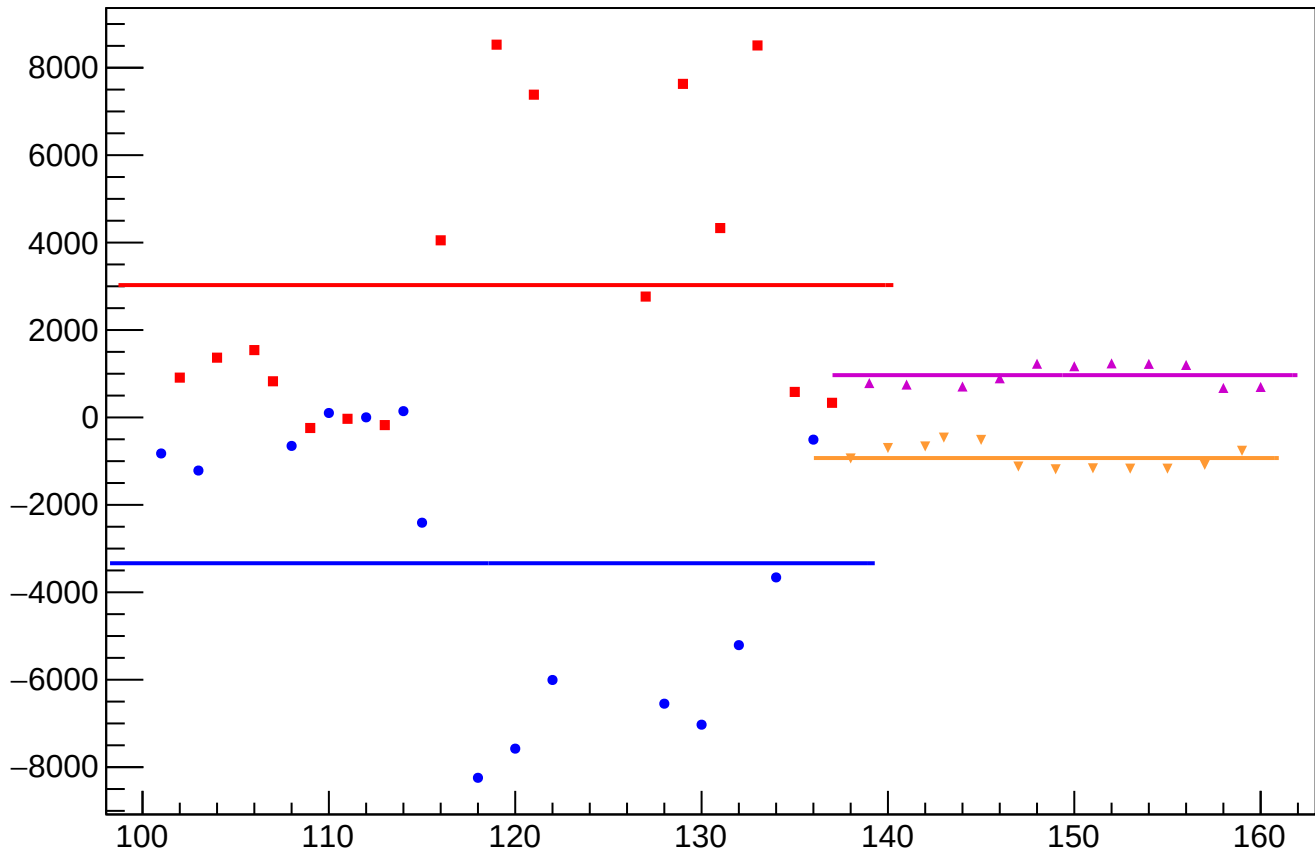
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

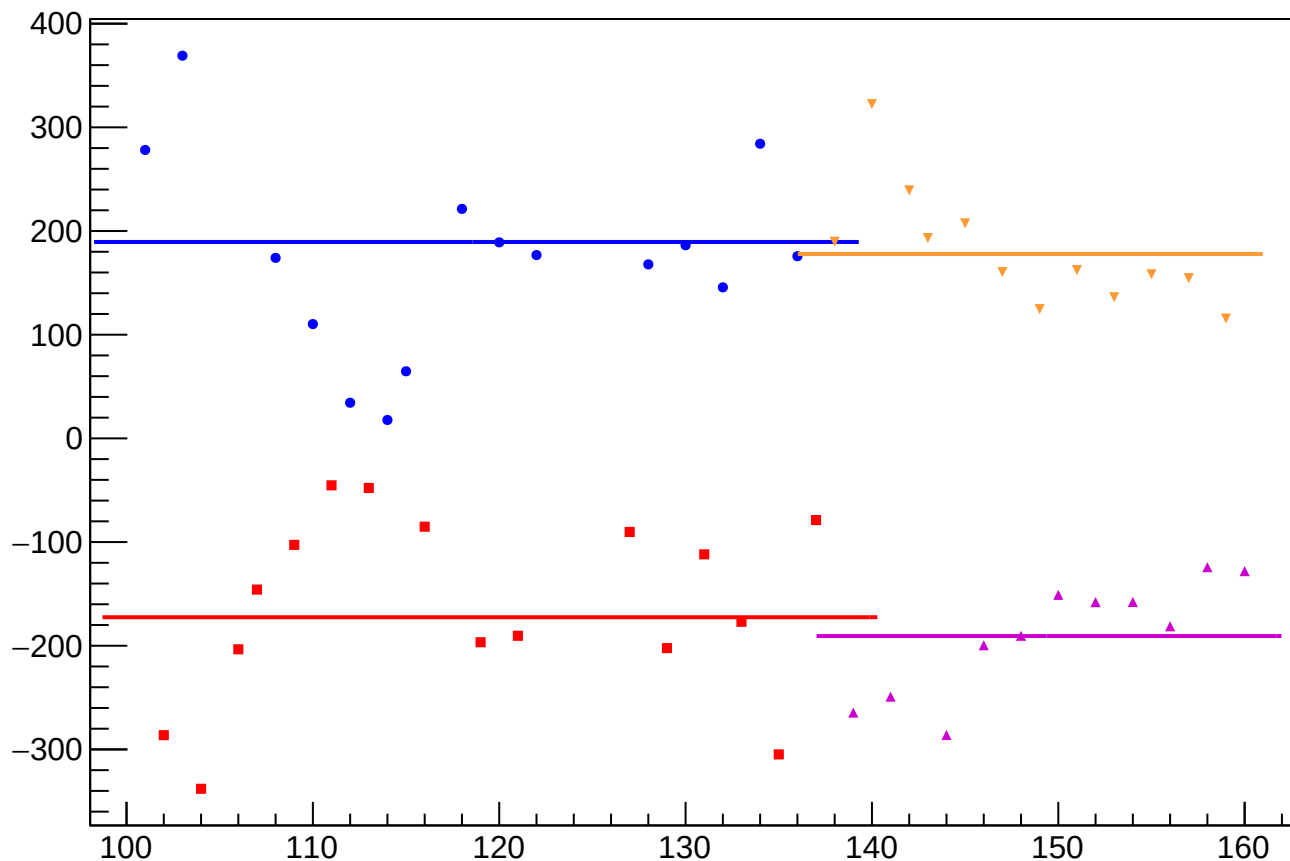
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam8_coil7_mean vs Slug, Sign Corrected



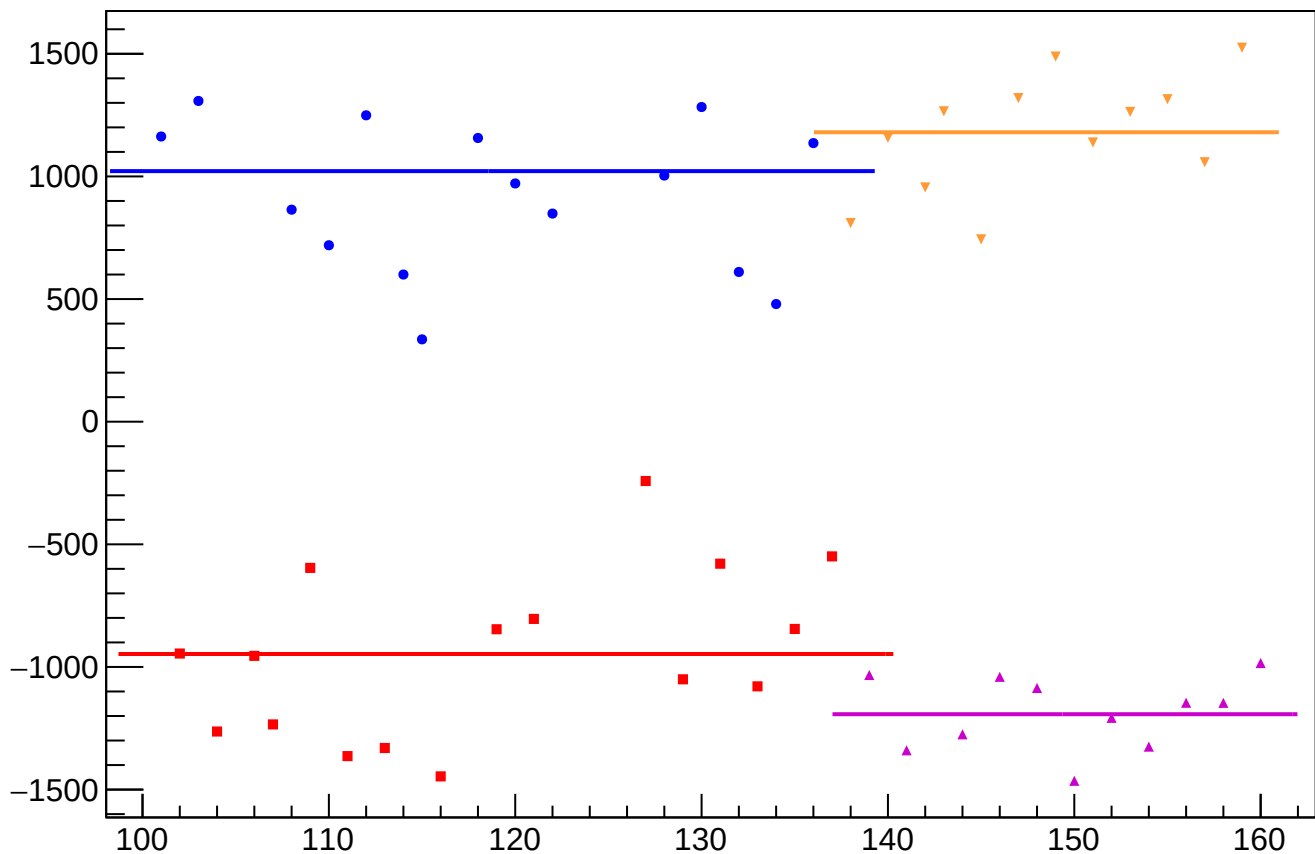
Left: 24.512 ± 0.000 $\chi^2/\text{NDF}: 1766231398282215$
 Right In: -3335.273 ± 0.000 $\chi^2/\text{NDF}: 6338087251589637529030075517152423575552.0/14$
 Left Out: -928.862 ± 0.000 $\chi^2/\text{NDF}: 62250510021534104734591710459968094208.0/11$
 Right Out: 3027.603 ± 0.000 $\chi^2/\text{NDF}: 7086157086694396583090903767581326311424.0/15$
 Left In: 967.568 ± 0.000 $\chi^2/\text{NDF}: 51461881619401718567497787720865939456.0/10$
 All: -31.746 ± 0.000 $\chi^2/\text{NDF}: 285218808380$

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



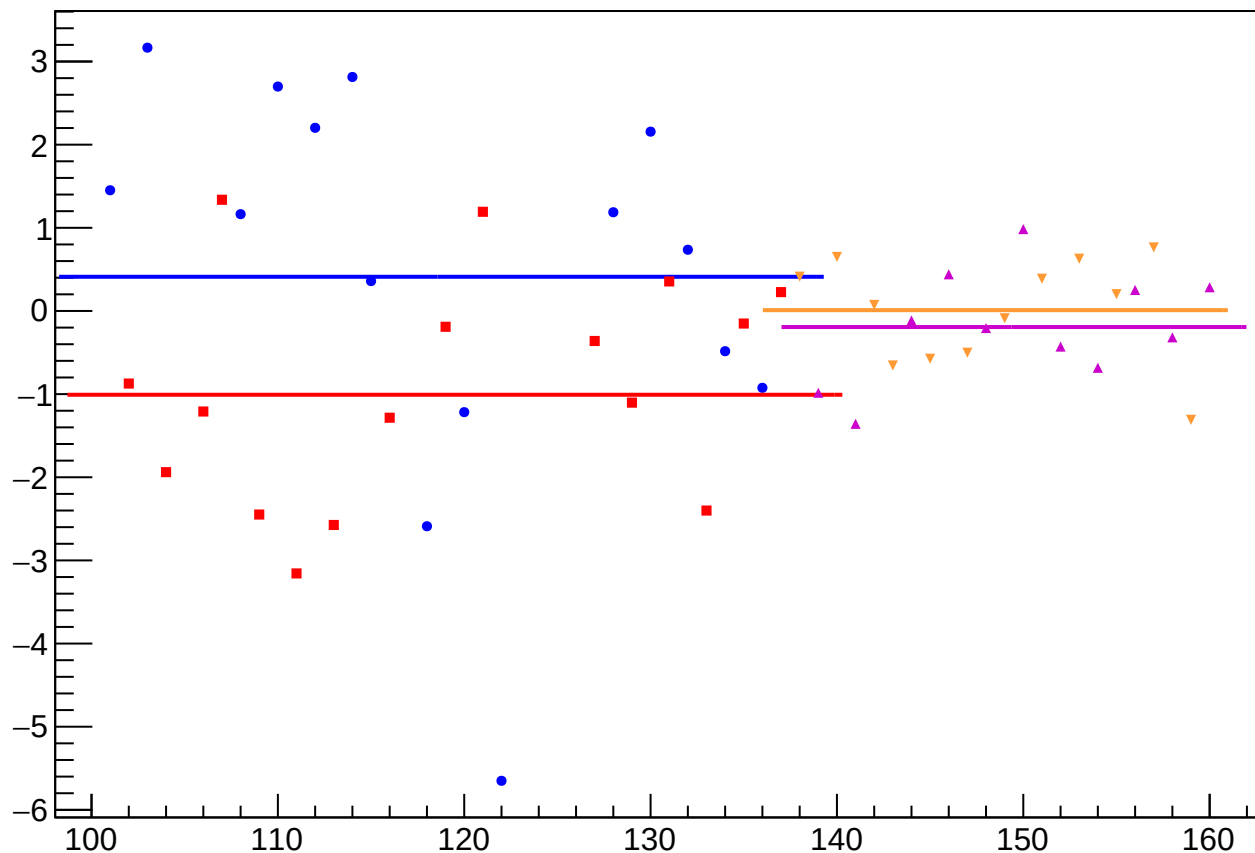
Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Left Out: 177.811 +/- 0.000 χ^2/NDF : 2793392529927944860081581234505908224.0/11
 Right Out: -172.485 +/- 0.000 χ^2/NDF : 5594813408996728261938711470404534272.0/15
 Left In: -190.641 +/- 0.000 χ^2/NDF : 2536070386684067132001548898091925504.0/10
 All: -1.818 +/- 0.000 χ^2/NDF : 1212358862395

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



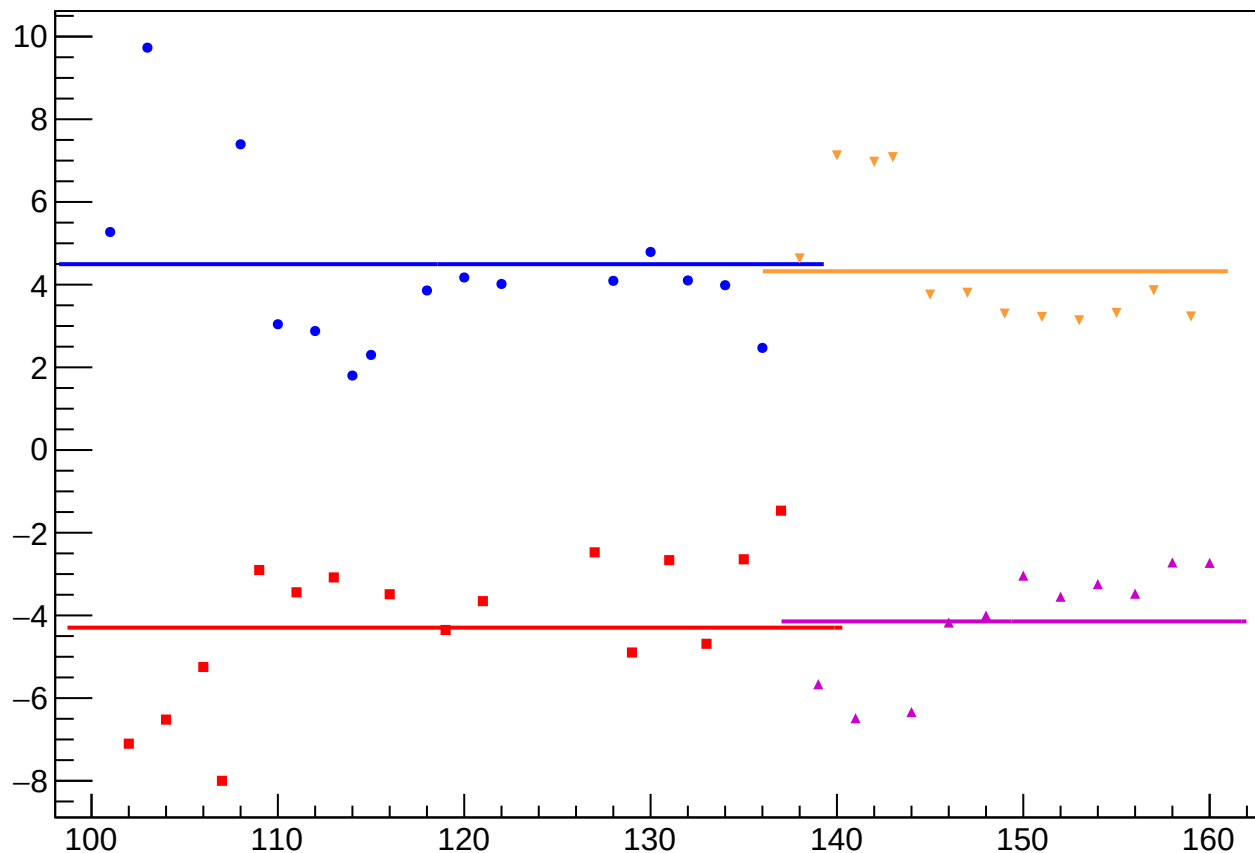
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_4aX_coil4_mean vs Slug, Sign Corrected



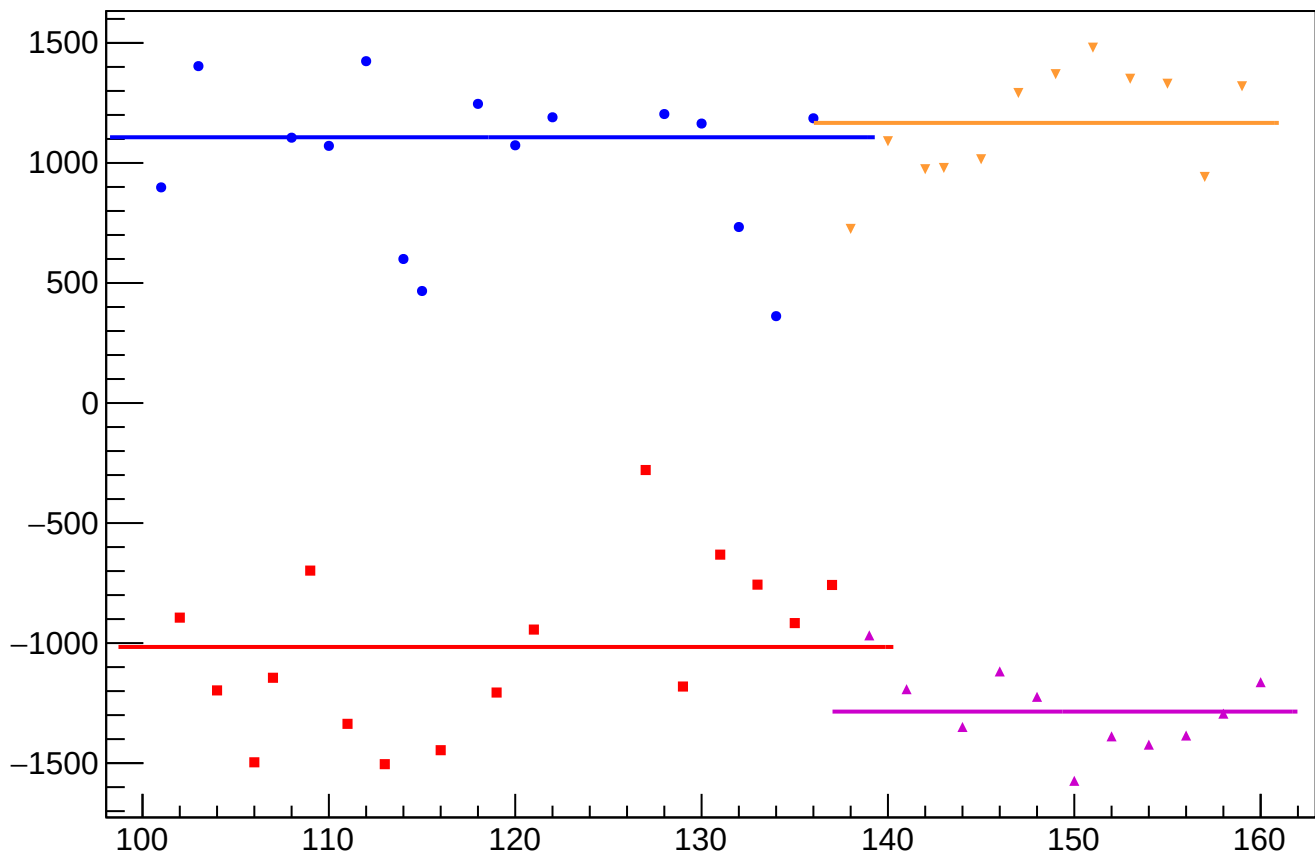
Right In: 0.411 ± 0.000 $\chi^2/\text{NDF}: 3385573506255563170053089820409856.0/14$
 Left Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 354573516648160349272665694928896.0/11$
 Right Out: -1.008 ± 0.000 $\chi^2/\text{NDF}: 1128402228144096394498047410700288.0/15$
 Left In: -0.193 ± 0.000 $\chi^2/\text{NDF}: 386133523330033860307880234713088.0/10$
 All: -0.182 ± 0.000 $\chi^2/\text{NDF}: 5971597389441$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



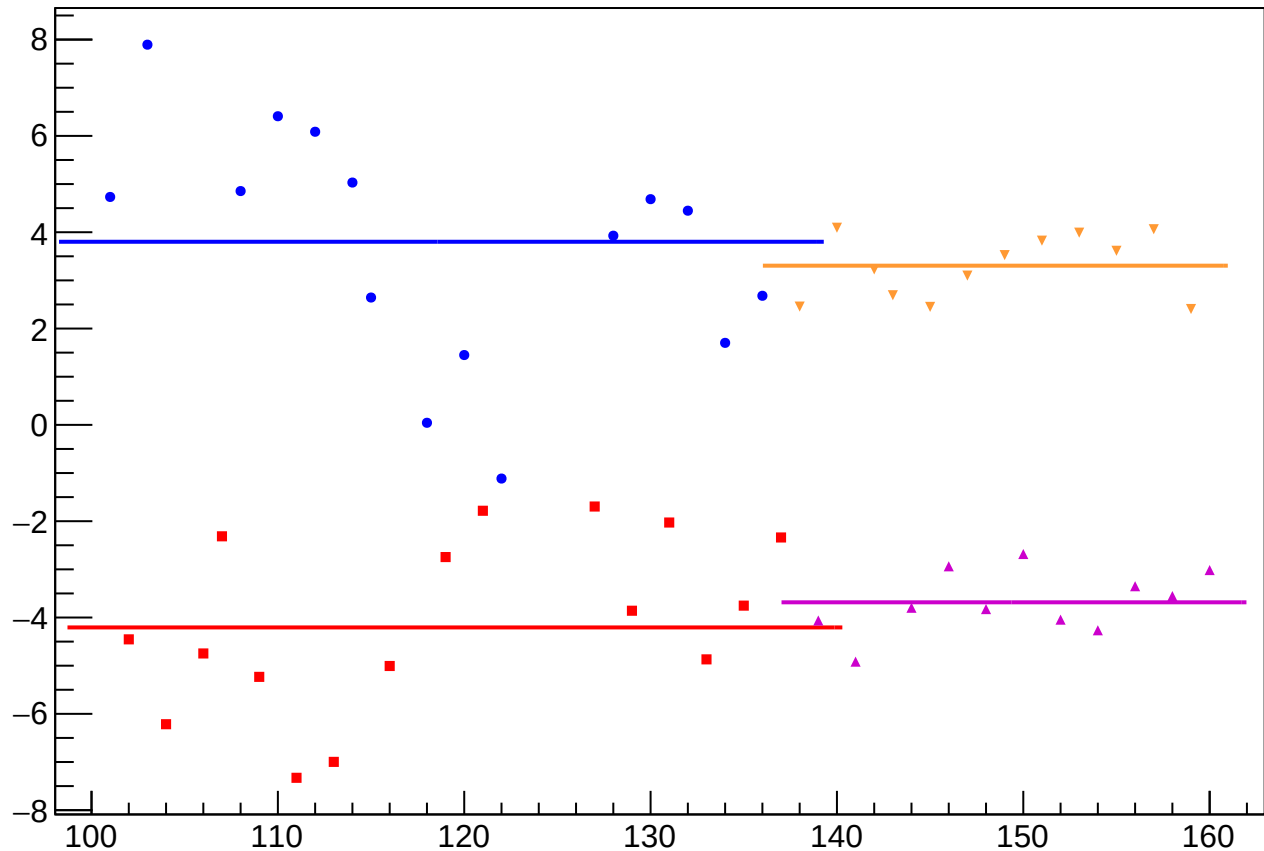
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 2742240072441097531500728791597056.0/14
 Left Out: 4.324 $\pm$ 0.000 χ^2 /NDF: 2025534969388950058407109119180800.0/11
 Right Out: -4.296 $\pm$ 0.000 χ^2 /NDF: 2011925707062051890381007475441664.0/15
 Left In: -4.145 $\pm$ 0.000 χ^2 /NDF: 1645942604303349608571849827942400.0/10
 All: 0.055 $\pm$ 0.000 χ^2 /NDF: 66802270544338

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



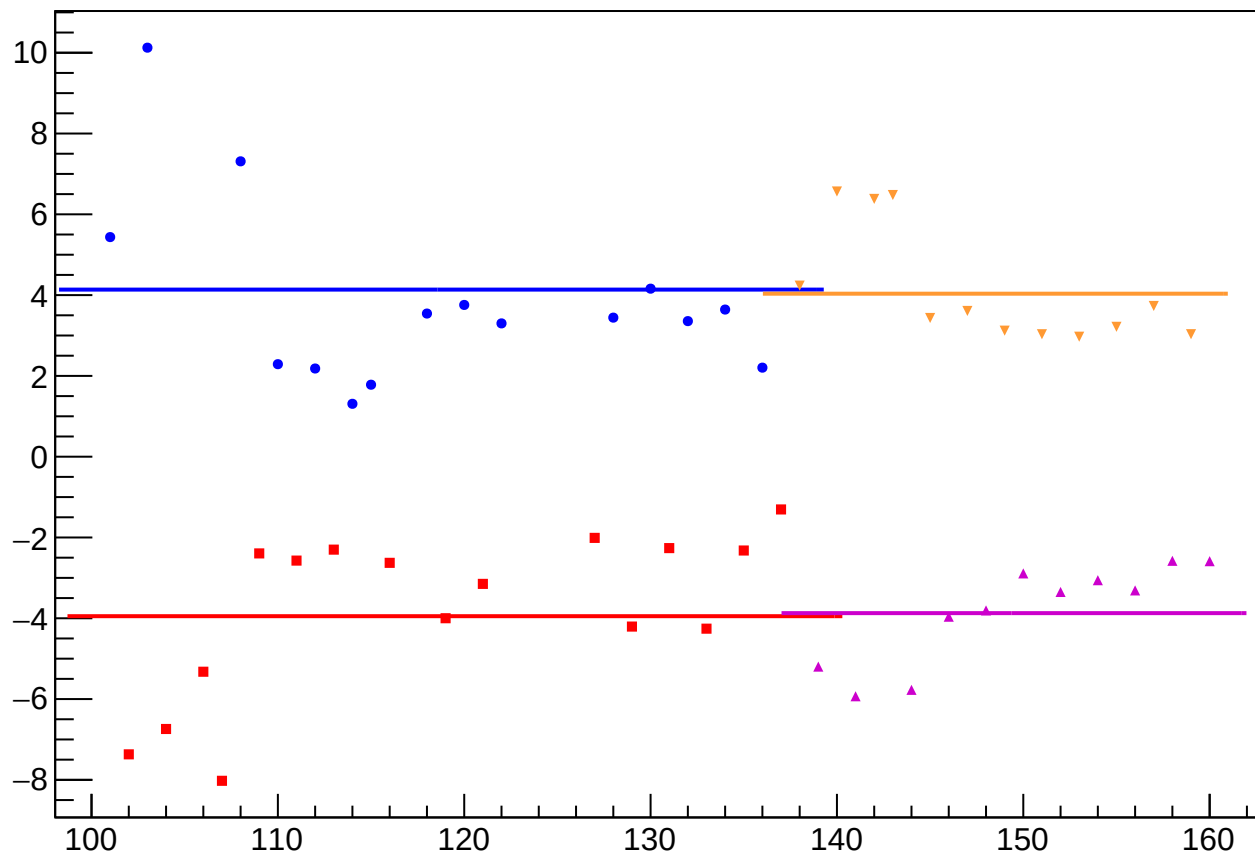
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	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



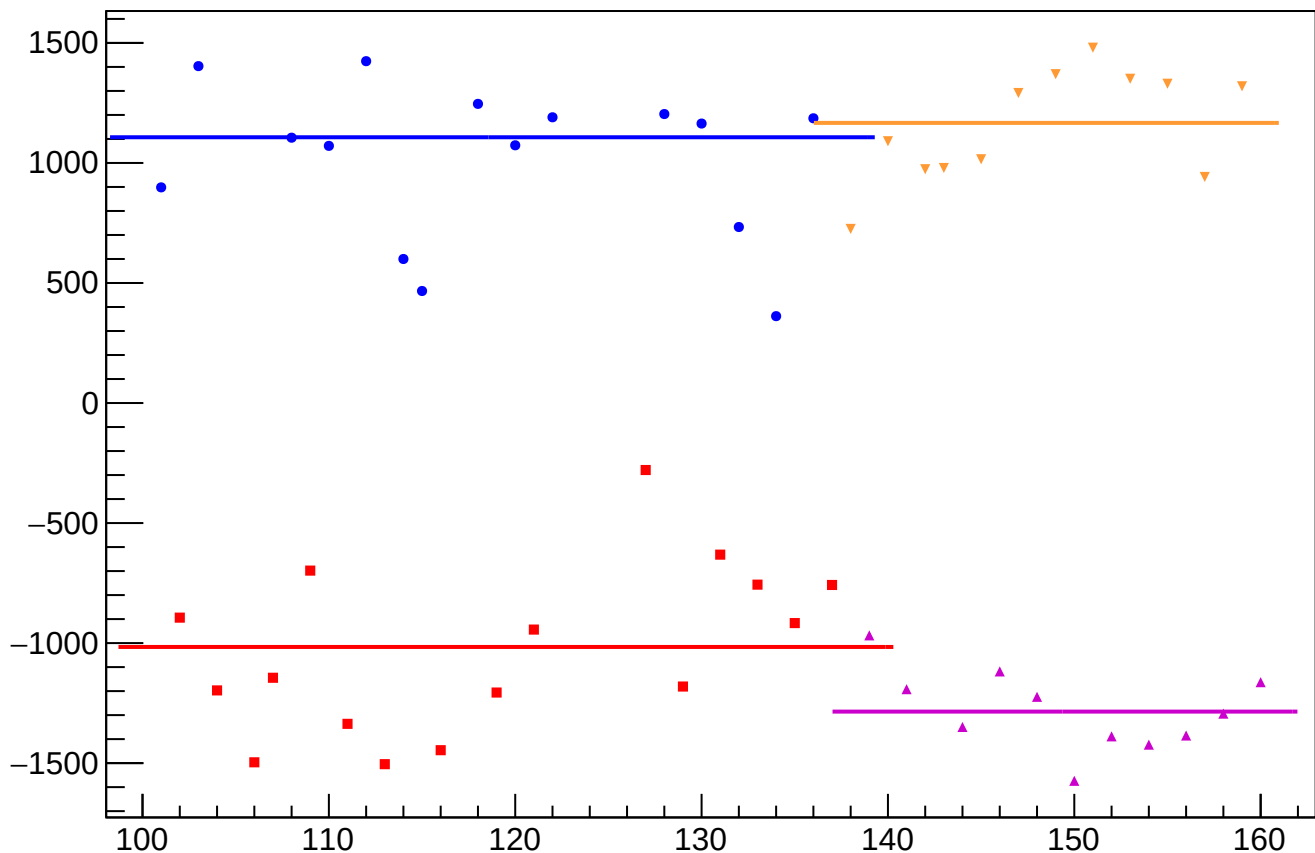
Right In: 3.802 ± 0.000 $\chi^2/\text{NDF}: 3795476074398338930564700657680384.0/14$
 Left Out: 3.305 ± 0.000 $\chi^2/\text{NDF}: 375514605339805624898679558111232.0/11$
 Right Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 2096427813341454573332265183477760.0/15$
 Left In: -3.684 ± 0.000 $\chi^2/\text{NDF}: 366001419656422310601850072596480.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 5017617766780$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



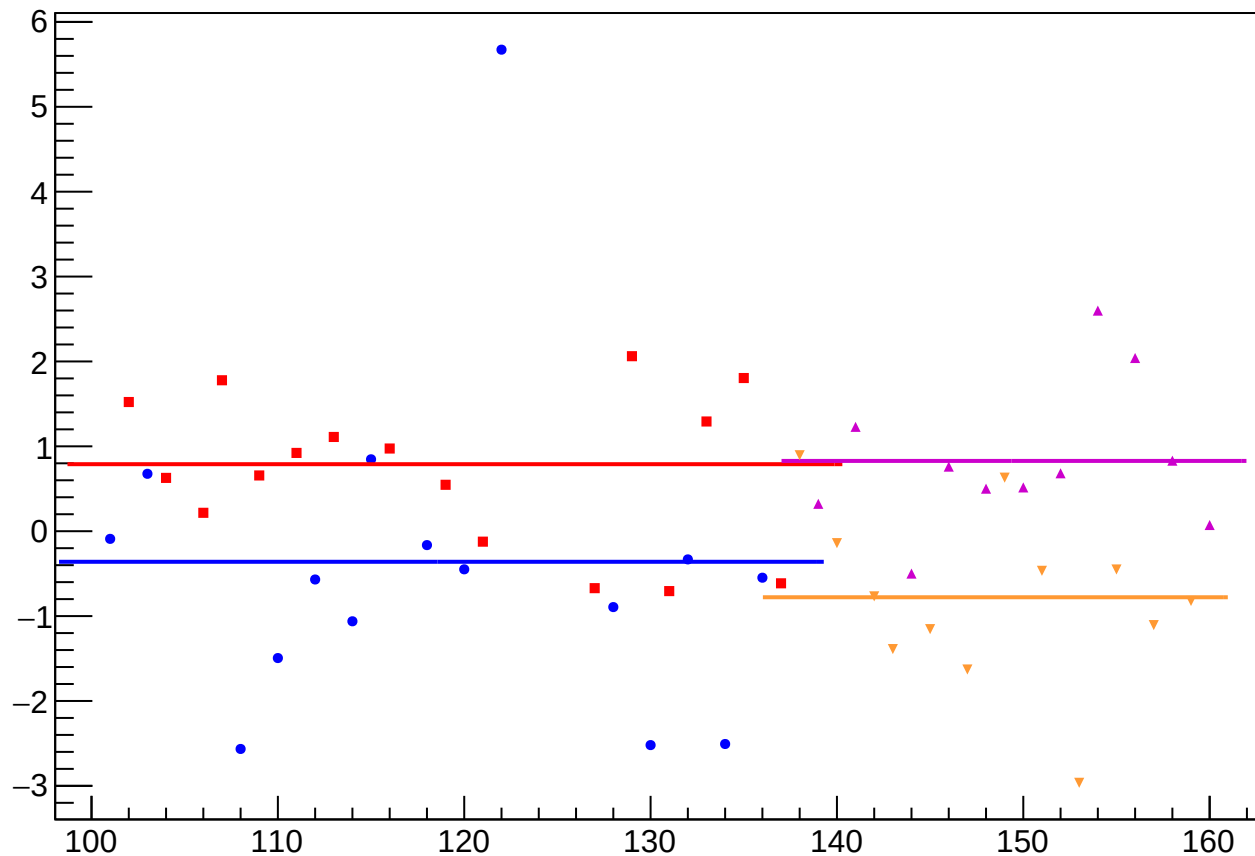
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.035 $\pm$ 0.000 χ^2 /NDF: 16092990613525785486150138363904.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59300481694443

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



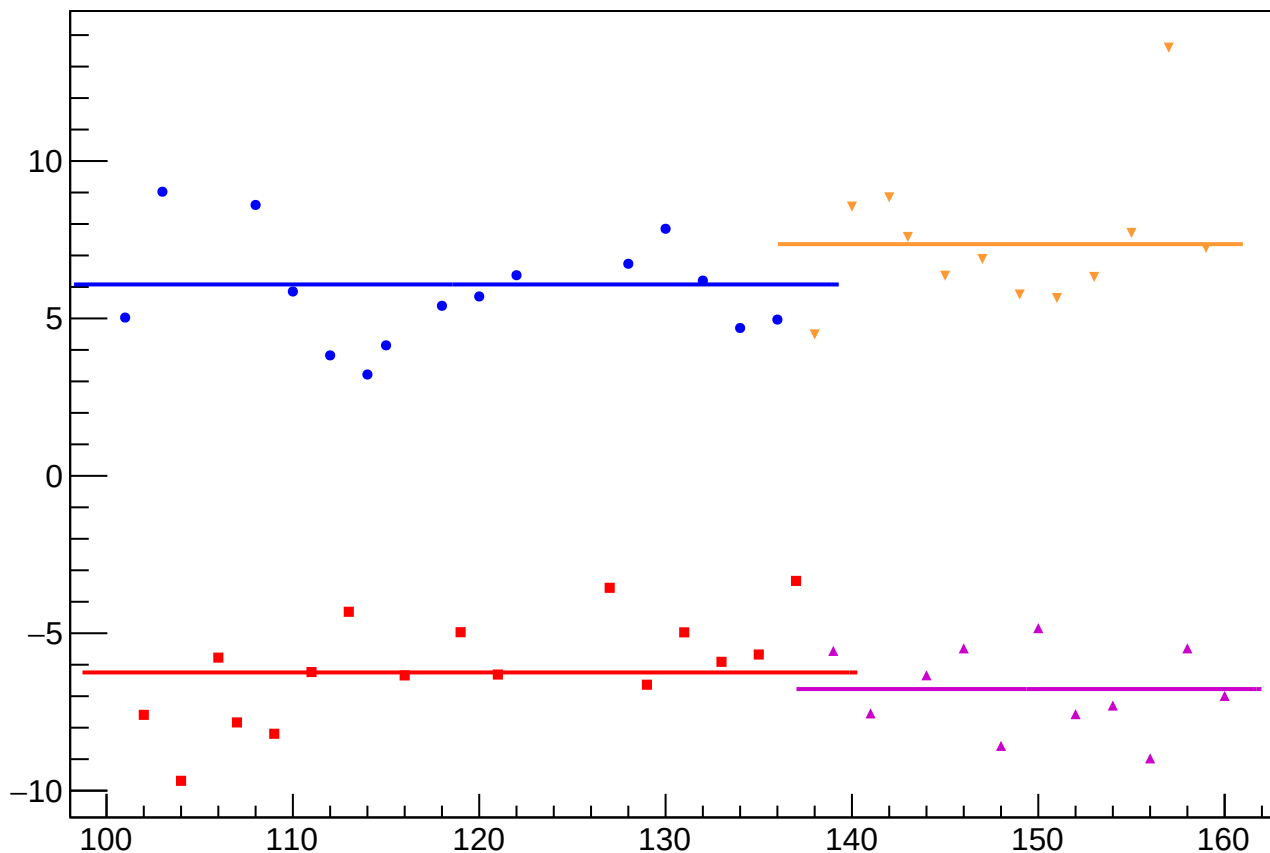
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	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



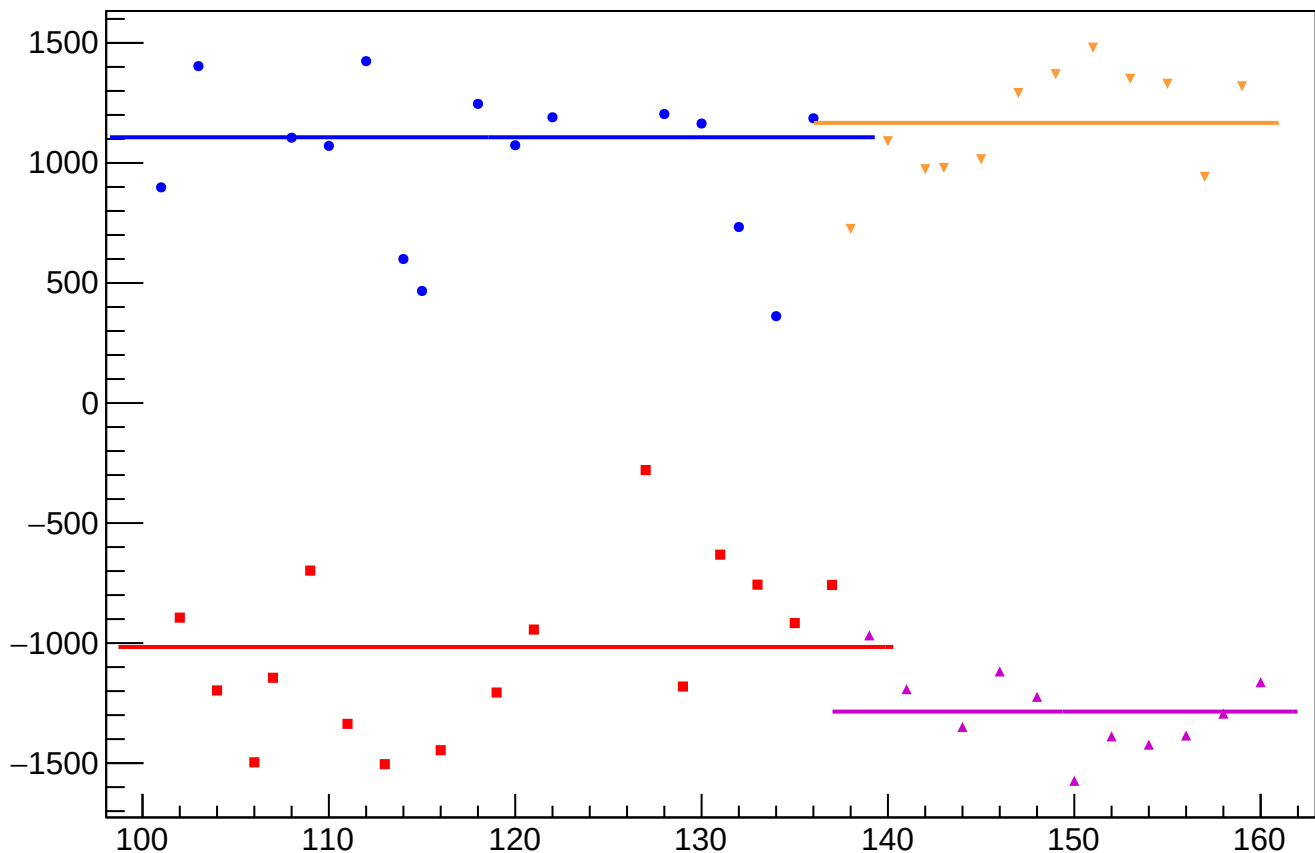
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.778 ± 0.000 χ^2/NDF : 941792568376434225486843988672512.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.828 ± 0.000 χ^2/NDF : 650173977459122524537180454387712.0/10
 All: 0.110 ± 0.000 χ^2/NDF : 58843184622867

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



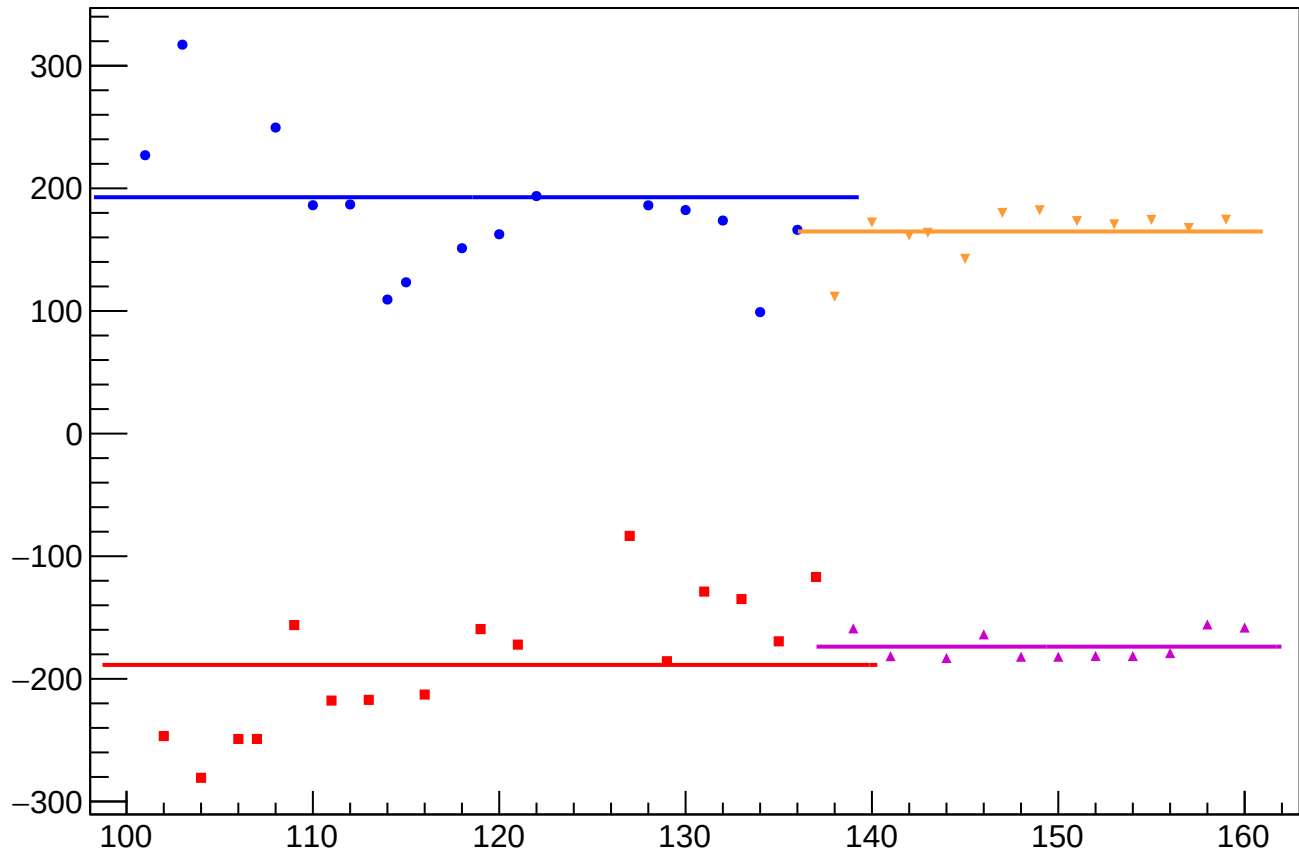
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.360 ± 0.000 $\chi^2/\text{NDF}: 4580380755239365503585140070154240.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 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

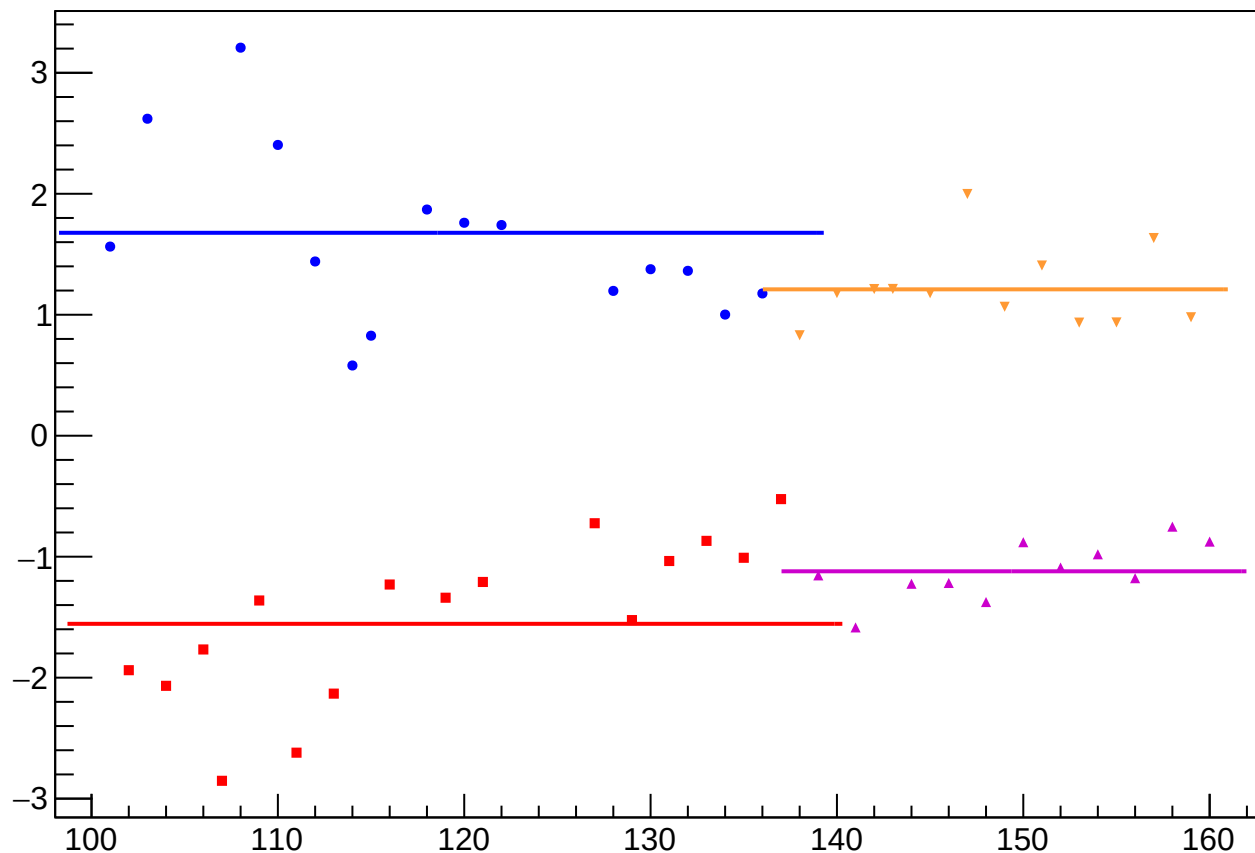
χ^2 /NDF: 1922342257287674563344204730019610624.0/15

Left In: -173.738 $\pm$ 0.000

χ^2 /NDF: 107568156923900649458795541002452992.0/10

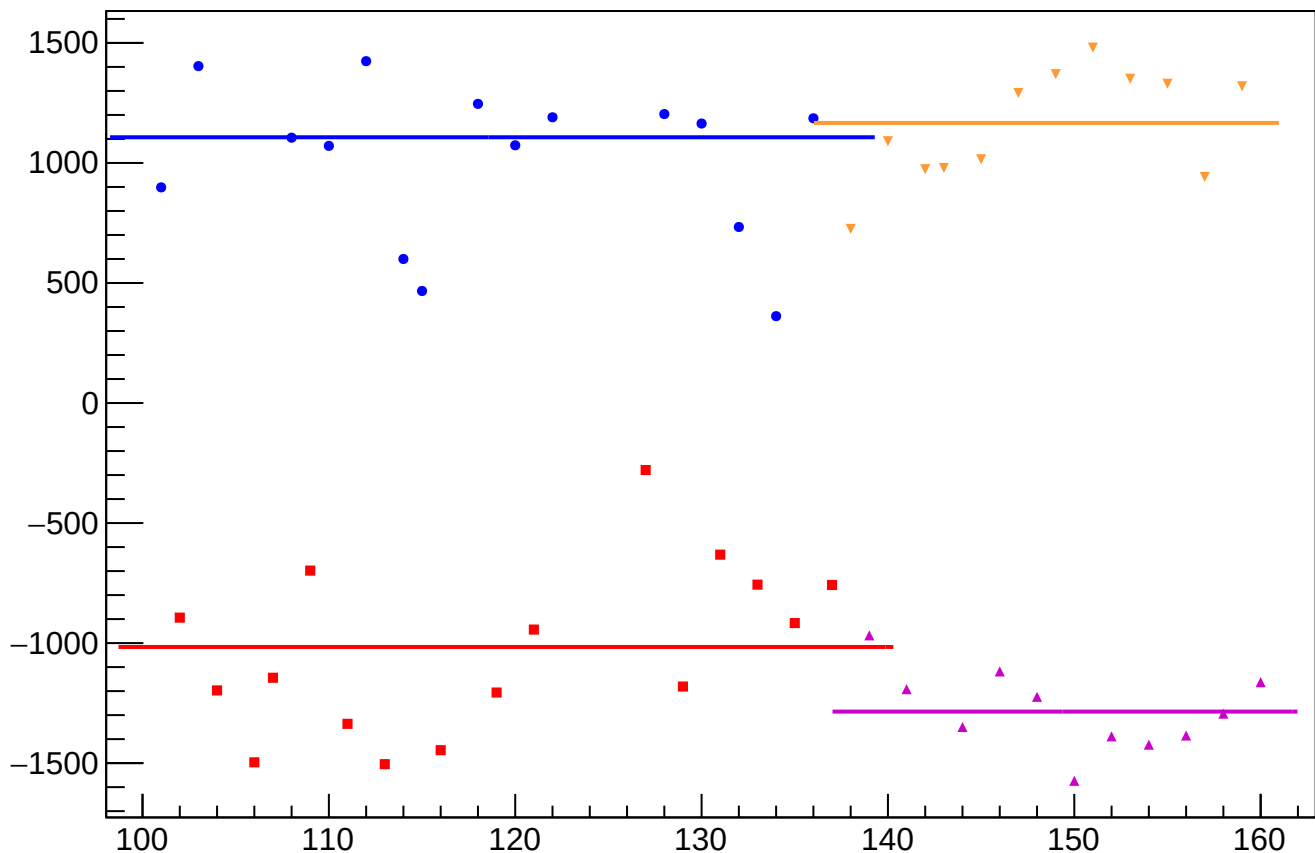
All: -3.352 $\pm$ 0.000 χ^2 /NDF: 1045358110774

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



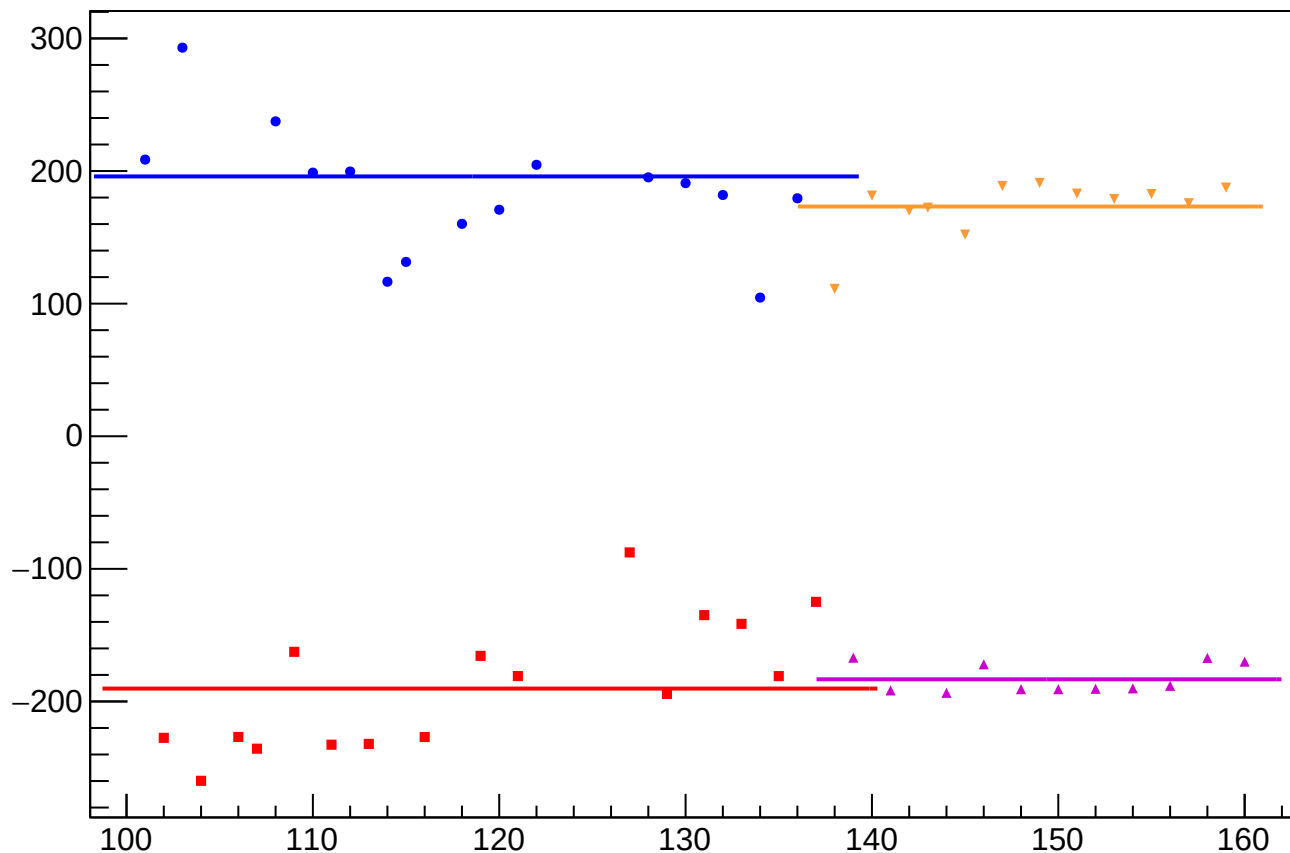
Right In: 1.677 $\pm$ 0.000 χ^2 /NDF: 241879924044788593292791559225344.0/14
 Left Out: 1.210 $\pm$ 0.000 χ^2 /NDF: 95500502458420026672384705560576.0/11
 Right Out: -1.555 $\pm$ 0.000 χ^2 /NDF: 255645951433890296827677195108352.0/15
 Left In: -1.121 $\pm$ 0.000 χ^2 /NDF: 48374896563348957372285351624704.0/10
 All: 0.039 $\pm$ 0.000 χ^2 /NDF: 65745148787562

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



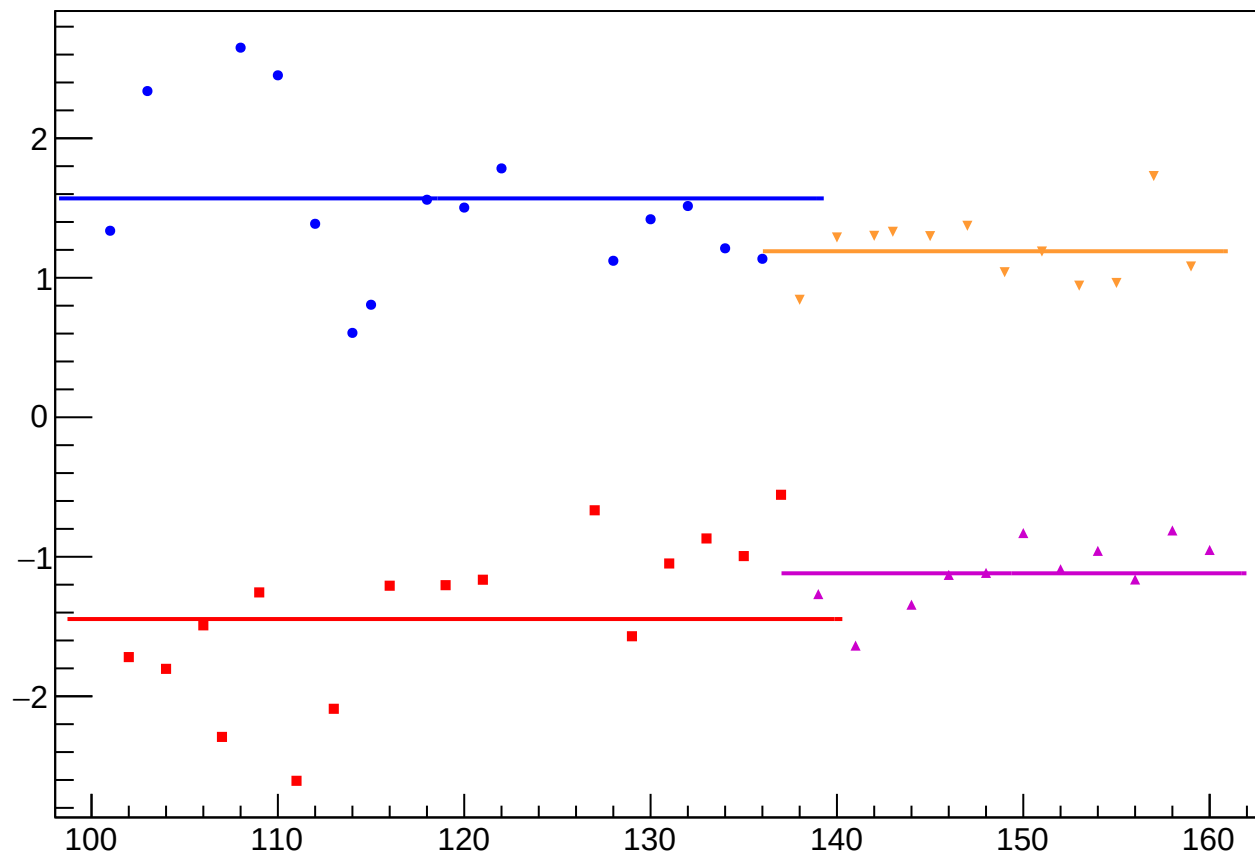
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	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



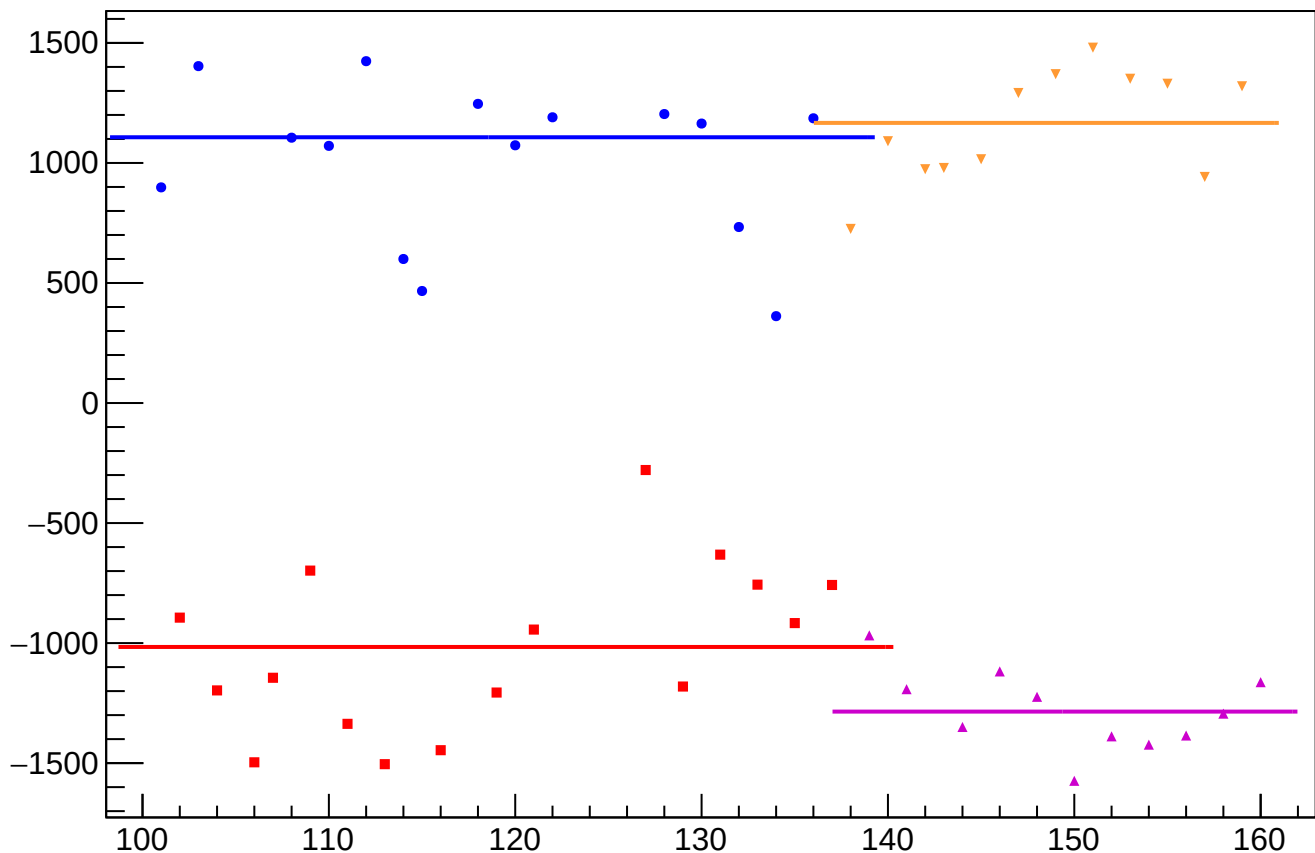
Right In: 195.940 $\pm$ 0.000 χ^2 /NDF: 1057891079869089572370479093183938560.0/14
 Left Out: 173.245 $\pm$ 0.000 χ^2 /NDF: 421189743022312956779621222954565632.0/11
 Right Out: -190.268 $\pm$ 0.000 χ^2 /NDF: 1468473073667973330267084234323656704.0/15
 Left In: -183.290 $\pm$ 0.000 χ^2 /NDF: 101738841511111417821042611832487936.0/10
 All: -3.411 $\pm$ 0.000 χ^2 /NDF: 1105507050353

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



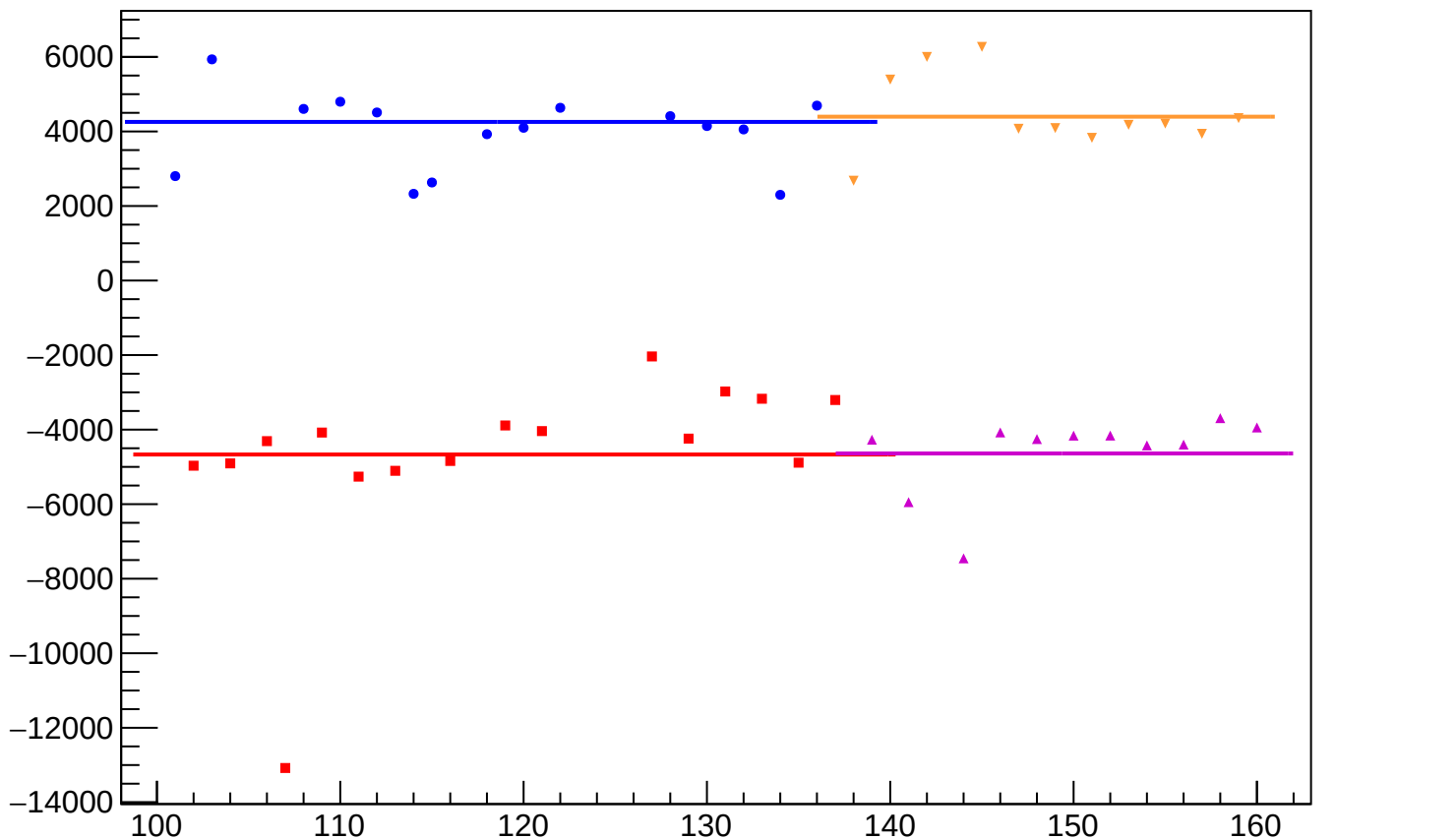
Right In: 1.569 +/- 0.000 χ^2/NDF : 162849195668123380789610540957696.0/14
 Left Out: 1.190 +/- 0.000 χ^2/NDF : 50745822936032217336144814145536.0/11
 Right Out: -1.446 +/- 0.000 χ^2/NDF : 196296653917523352443271052787712.0/15
 Left In: -1.118 +/- 0.000 χ^2/NDF : 48973496995723480911801365823488.0/10
 All: 0.034 +/- 0.000 χ^2/NDF : 58987559316177

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



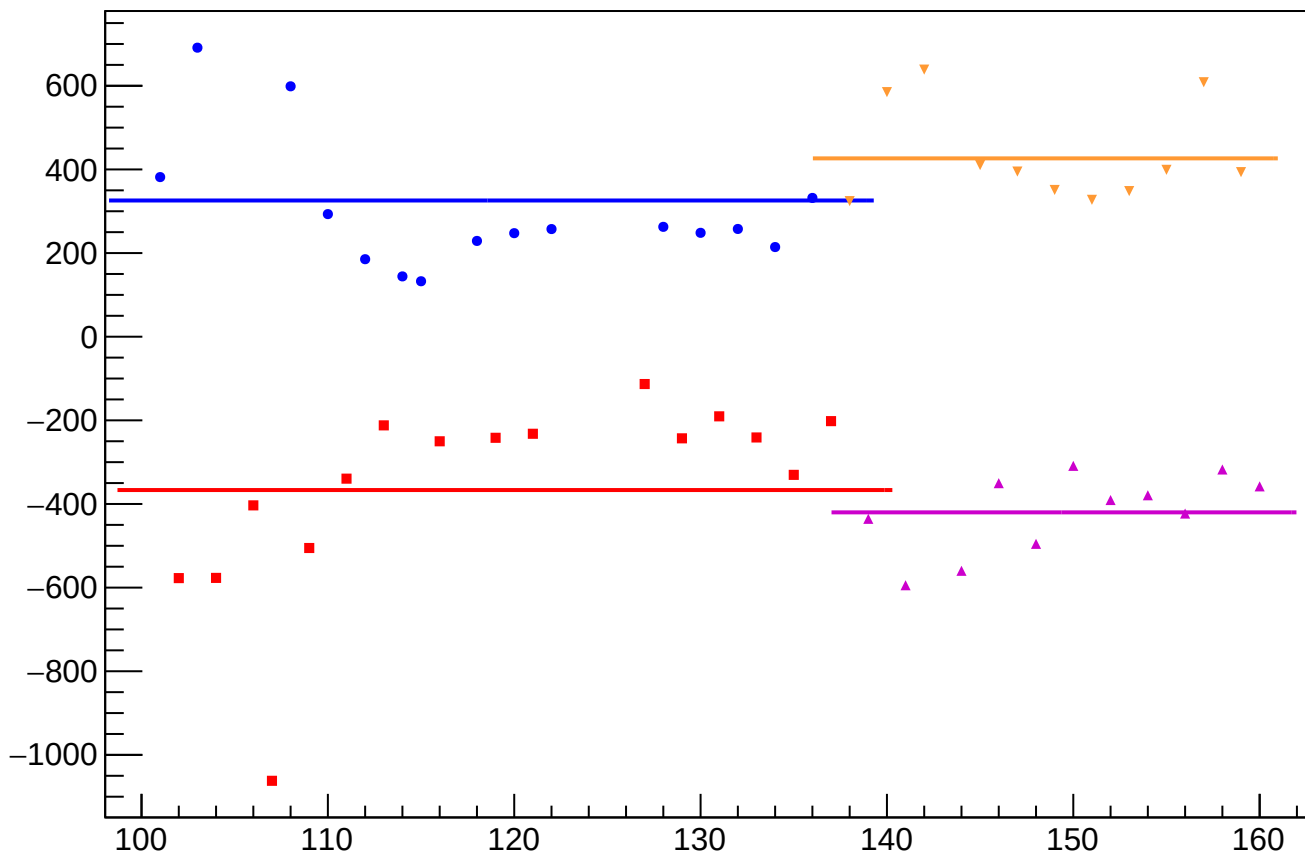
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_usl_coil4_mean vs Slug, Sign Corrected



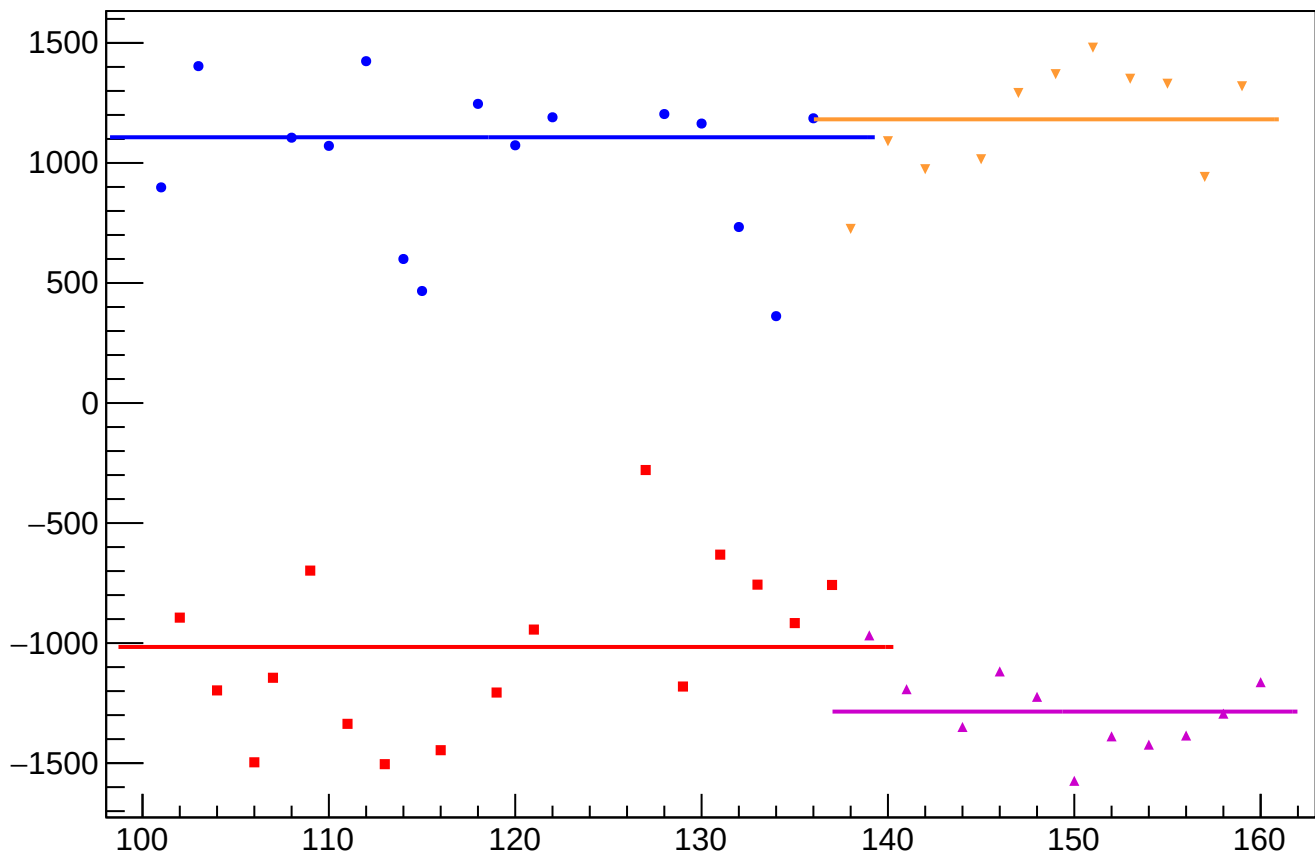
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4396.403+/-0.000 χ^2/NDF : 767686308157486440179100240552638021632.0/10
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4639.846+/-0.000 χ^2/NDF : 1058446303743243170530981239939506634752.0/10
 All: -296.246+/-0.000 χ^2/NDF : 67809743893

dit_usl_coil4_err_mean vs Slug, Sign Corrected



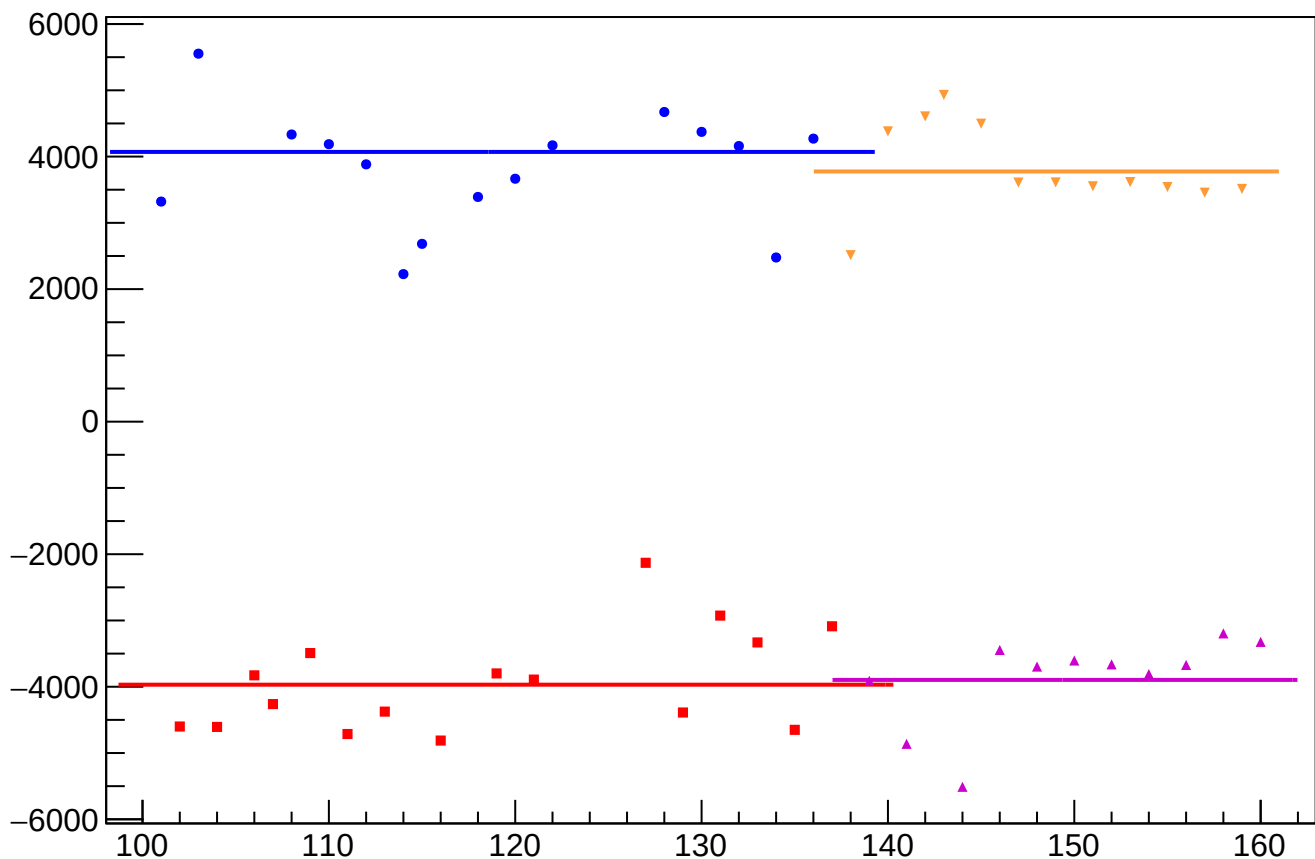
Right In: 325.732 $\pm$ 0.000 χ^2 /NDF: 14633359567940244123897242769854300160.0/14
 Left Out: 426.446 $\pm$ 0.000 χ^2 /NDF: 9564737566607591468000084323542761472.0/10
 Right Out: -366.682 $\pm$ 0.000 χ^2 /NDF: 32097250699947956409117440115398934528.0/15
 Left In: -420.062 $\pm$ 0.000 χ^2 /NDF: 7706514276709269263404419491802644480.0/10
 All: -19.474 $\pm$ 0.000 χ^2 /NDF: 538446931474

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1181.721 $\pm$ 0.000 χ^2/NDF : 42102883856321275256821029062509068288.0/10
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -47.303 $\pm$ 0.000 χ^2/NDF : 436585203886

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

Left Out: 3775.469+/-0.000

χ^2/NDF : 344611737456116155441573311529372090368.0/11

Right Out: -3968.723+/-0.000

χ^2/NDF : 359955880326194784467353369492594884608.0/15

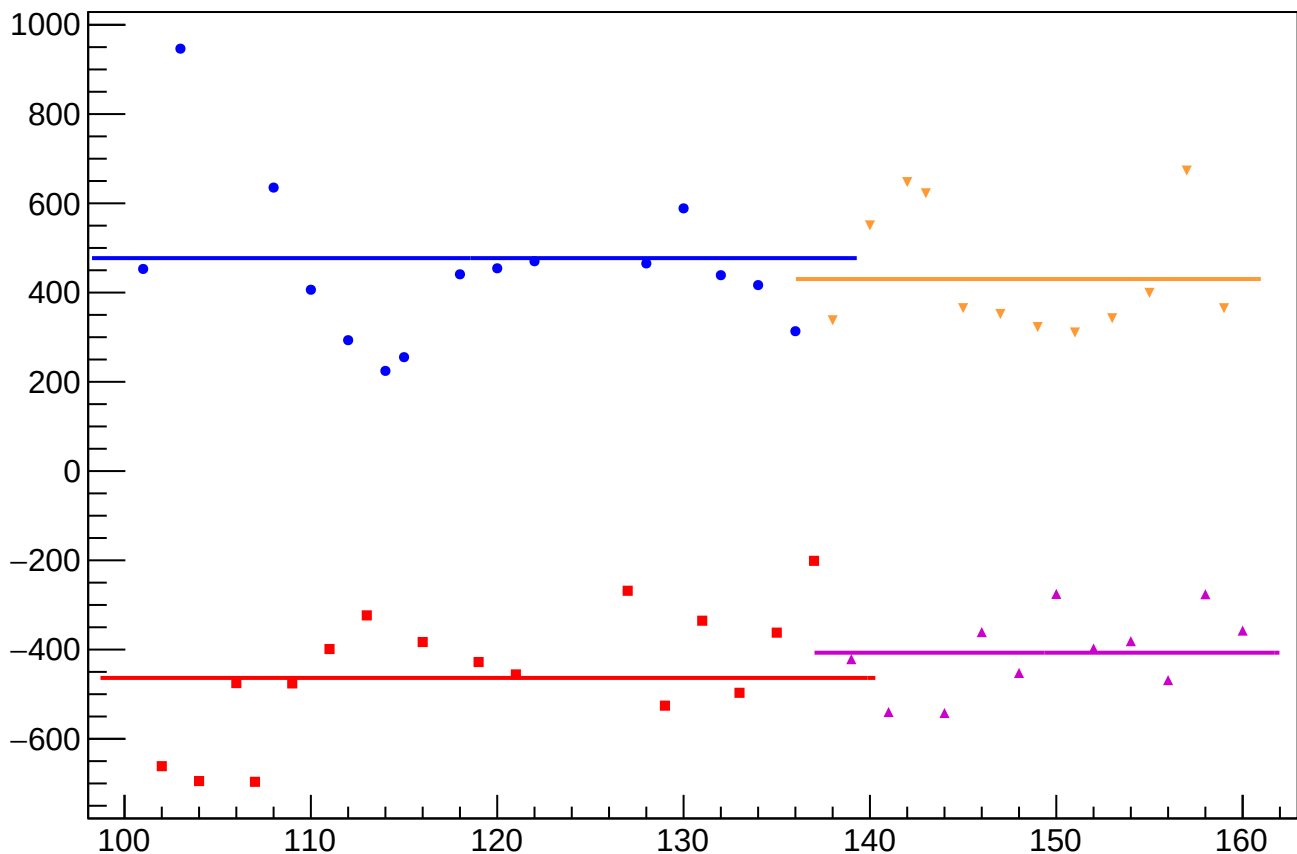
Left In: -3896.757+/-0.000

χ^2/NDF : 412530714584693730225130204014353317888.0/10

All: -49.222+/-0.000

χ^2/NDF : 497704442491

dit_usr_coil4_err_mean vs Slug, Sign Corrected



Right In: 477.186 $\pm$ 0.000

χ^2/NDF : 20455719931758379978892605184974782464.0/14

Left Out: 430.385 $\pm$ 0.000

χ^2/NDF : 15124863187063515916775500602167787520.0/11

Right Out: -463.513 $\pm$ 0.000

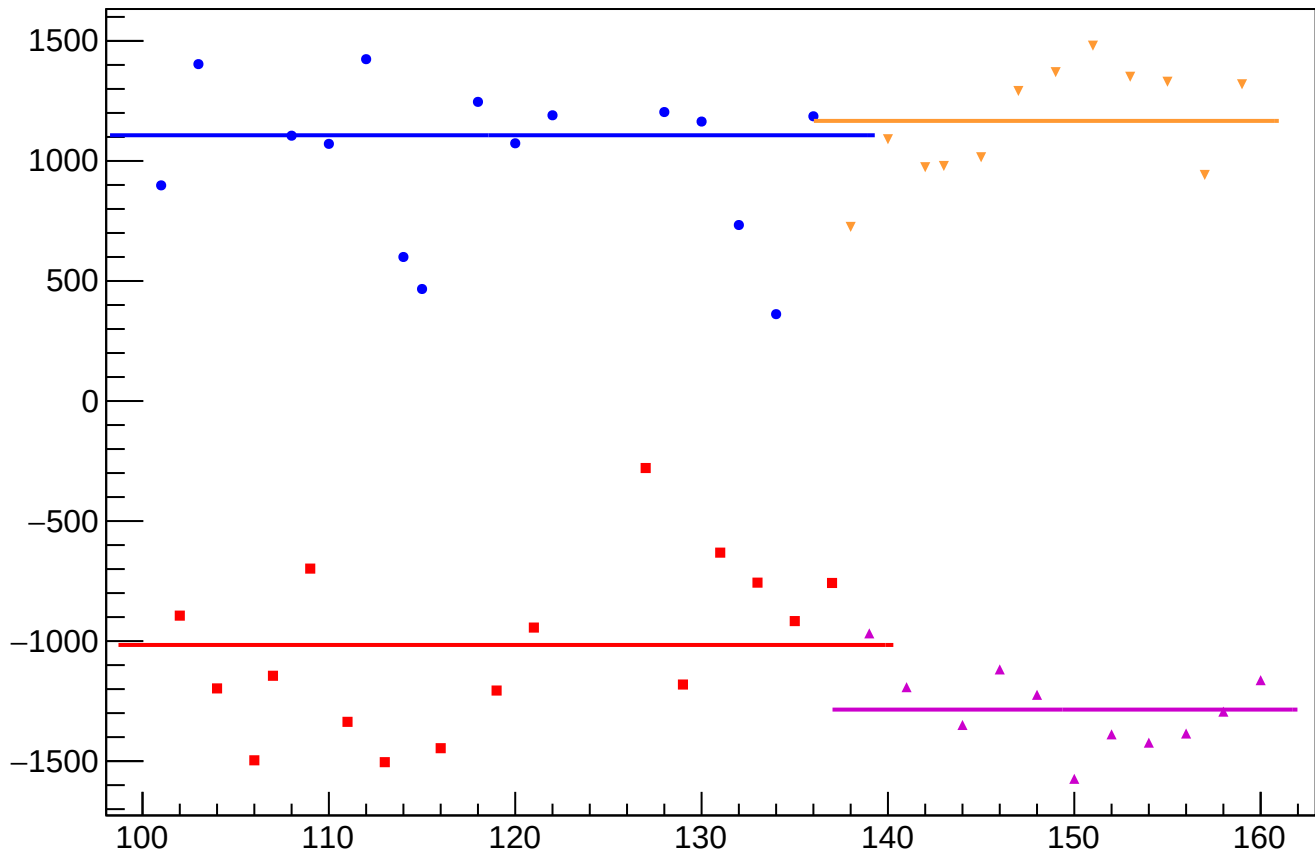
χ^2/NDF : 12556777931069903370031832388184571904.0/15

Left In: -406.990 $\pm$ 0.000

χ^2/NDF : 7014219134688394471330081136711827456.0/10

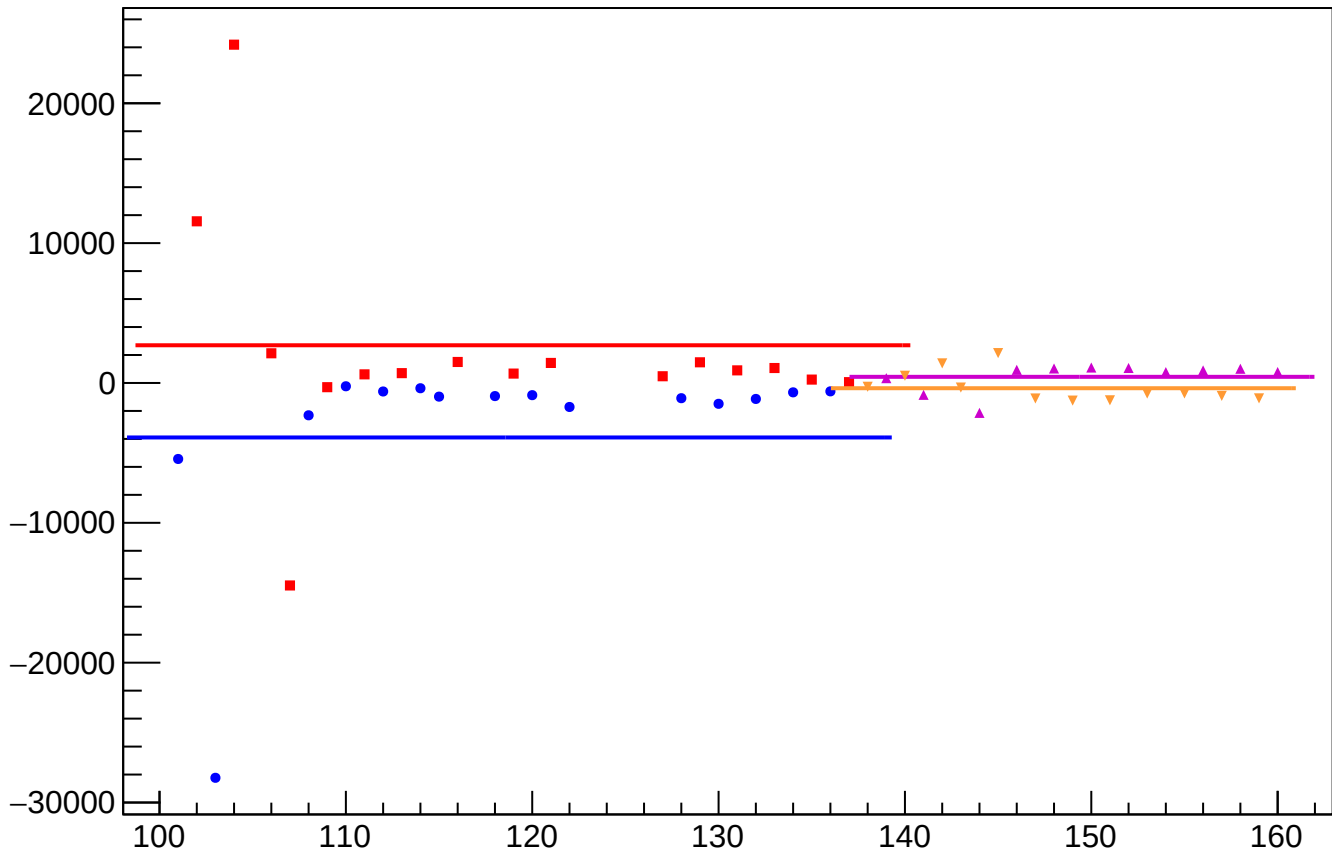
All: 5.658 $\pm$ 0.000 χ^2/NDF : 66848676133618

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected

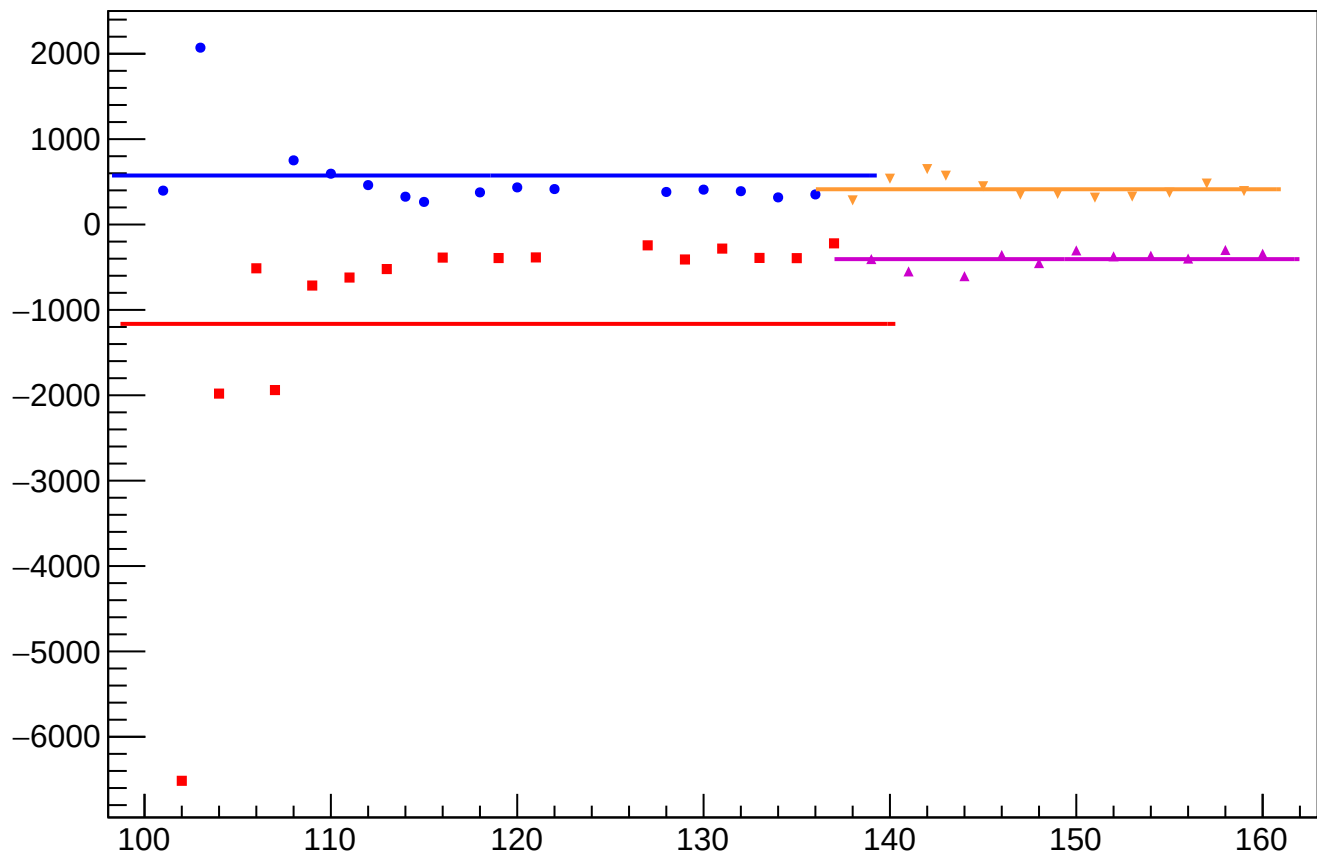


Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atl1_coil4_mean vs Slug, Sign Corrected

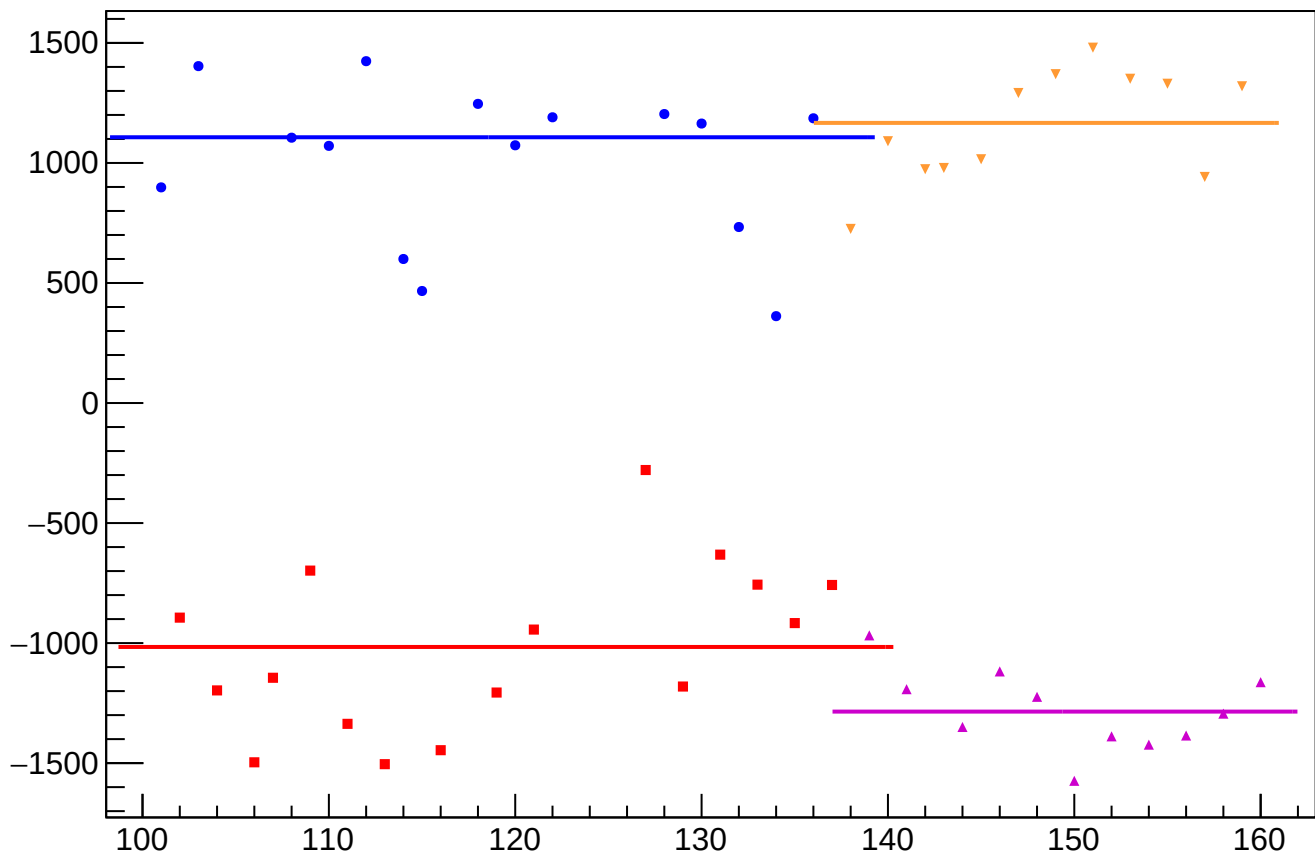


dit_atl1_coil4_err_mean vs Slug, Sign Corrected



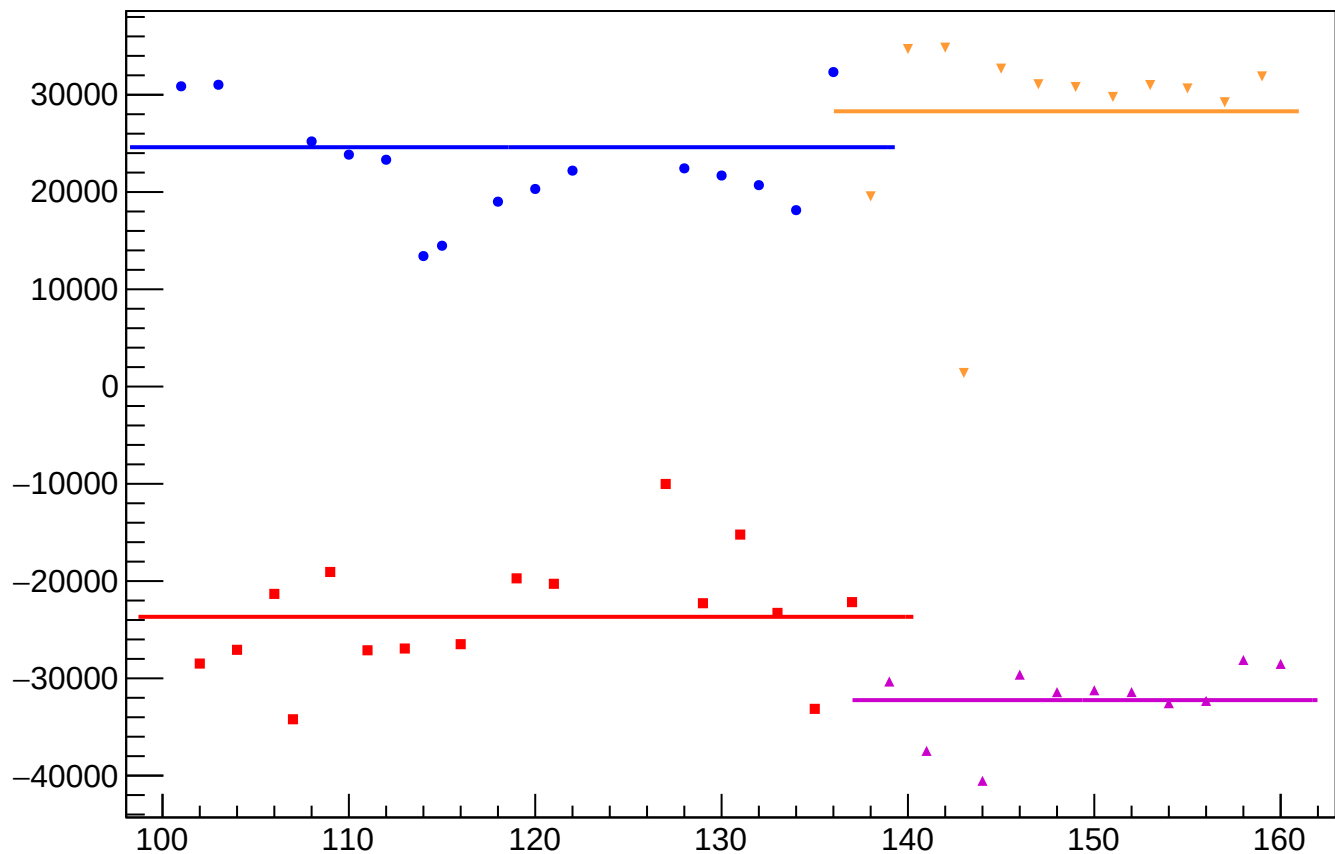
Right In: 574.055 ± 0.000 $\chi^2/\text{NDF}: 152105229889160423018493709582390525952.0/14$
 Left Out: 413.017 ± 0.000 $\chi^2/\text{NDF}: 9379796802385704003508317238748774400.0/11$
 Right Out: -1163.697 ± 0.000 $\chi^2/\text{NDF}: 2003194396475465337190154787515183136768.0/15$
 Left In: -405.371 ± 0.000 $\chi^2/\text{NDF}: 8096374045117906535343483577494929408.0/10$
 All: -127.041 ± 0.000 $\chi^2/\text{NDF}: 35467372325$

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



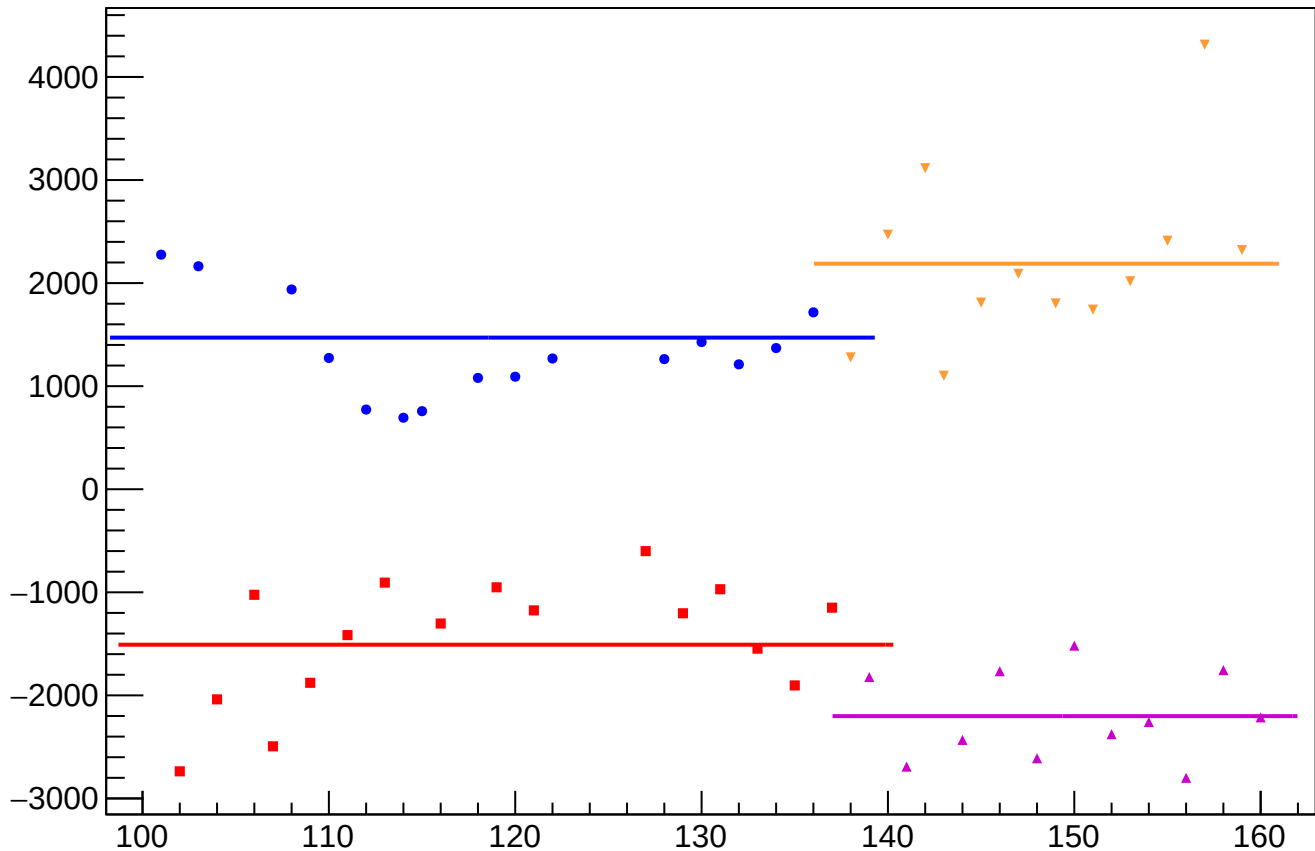
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_atl2_coil4_mean vs Slug, Sign Corrected



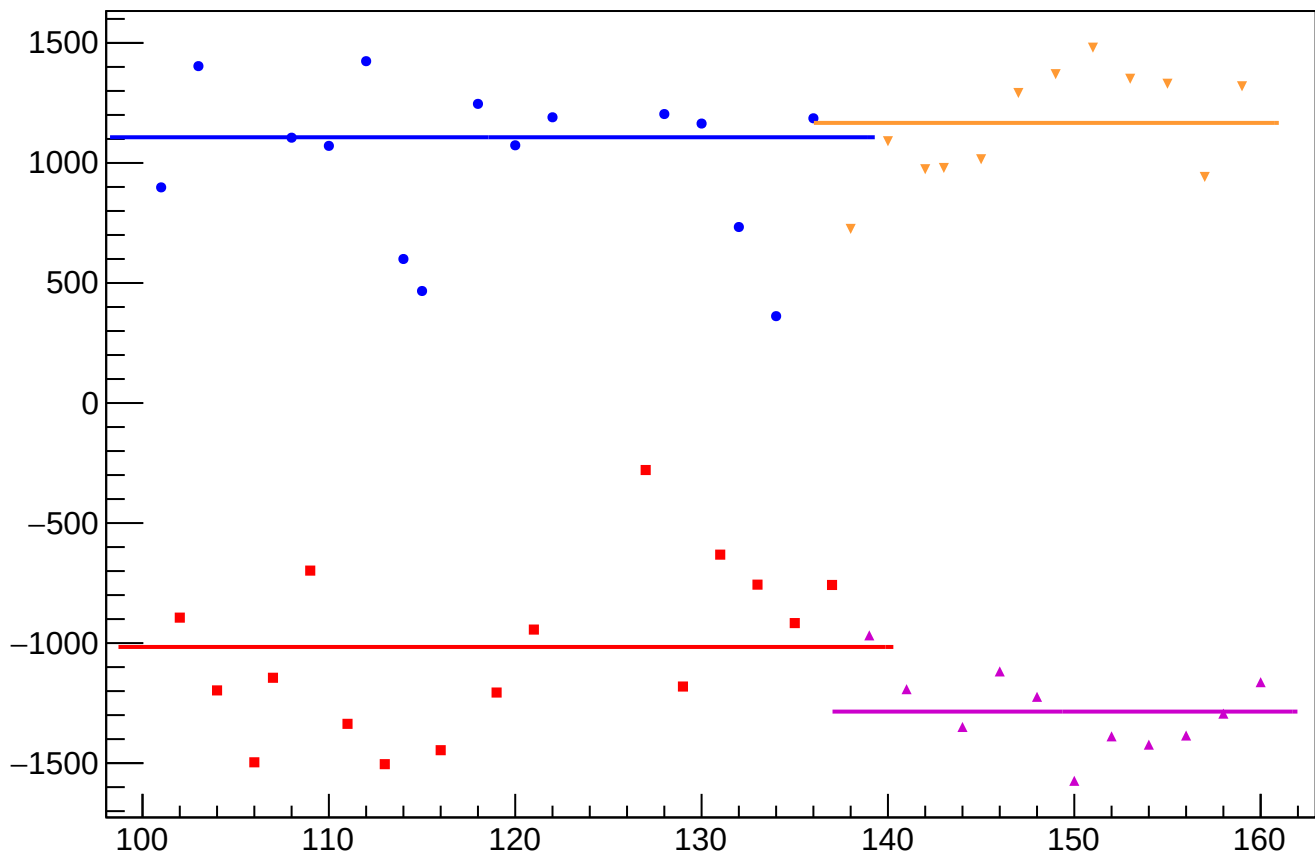
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28302.359+/-0.000 χ^2/NDF : 64743960576526073147852789326823934656512.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1185.856+/-0.000 χ^2/NDF : 2573988051

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



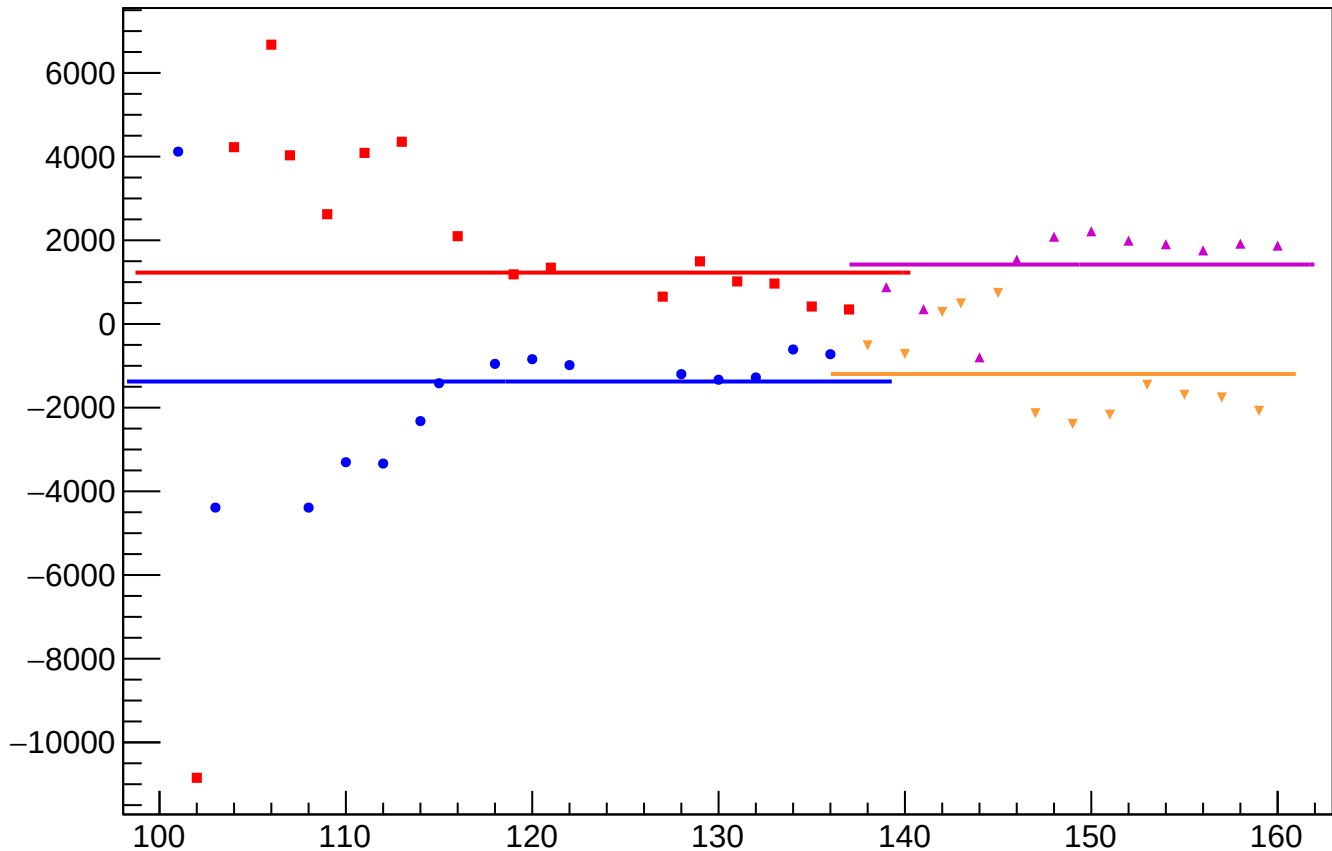
Left: -18.662 +/- 0.000 χ^2/NDF : 9604851757835687
 Right: -39.055 +/- 0.000 χ^2/NDF : 330947344548199
 In: -686.275 +/- 0.000 χ^2/NDF : 5438324784011715
 Out: 628.599 +/- 0.000 χ^2/NDF : 6113094829757836
 All: -27.171 +/- 0.000 χ^2/NDF : 129146441419

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1194.978+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1012982164343735644721296583058593415168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 120.030+/-0.000 χ^2/NDF : 4904926728039627

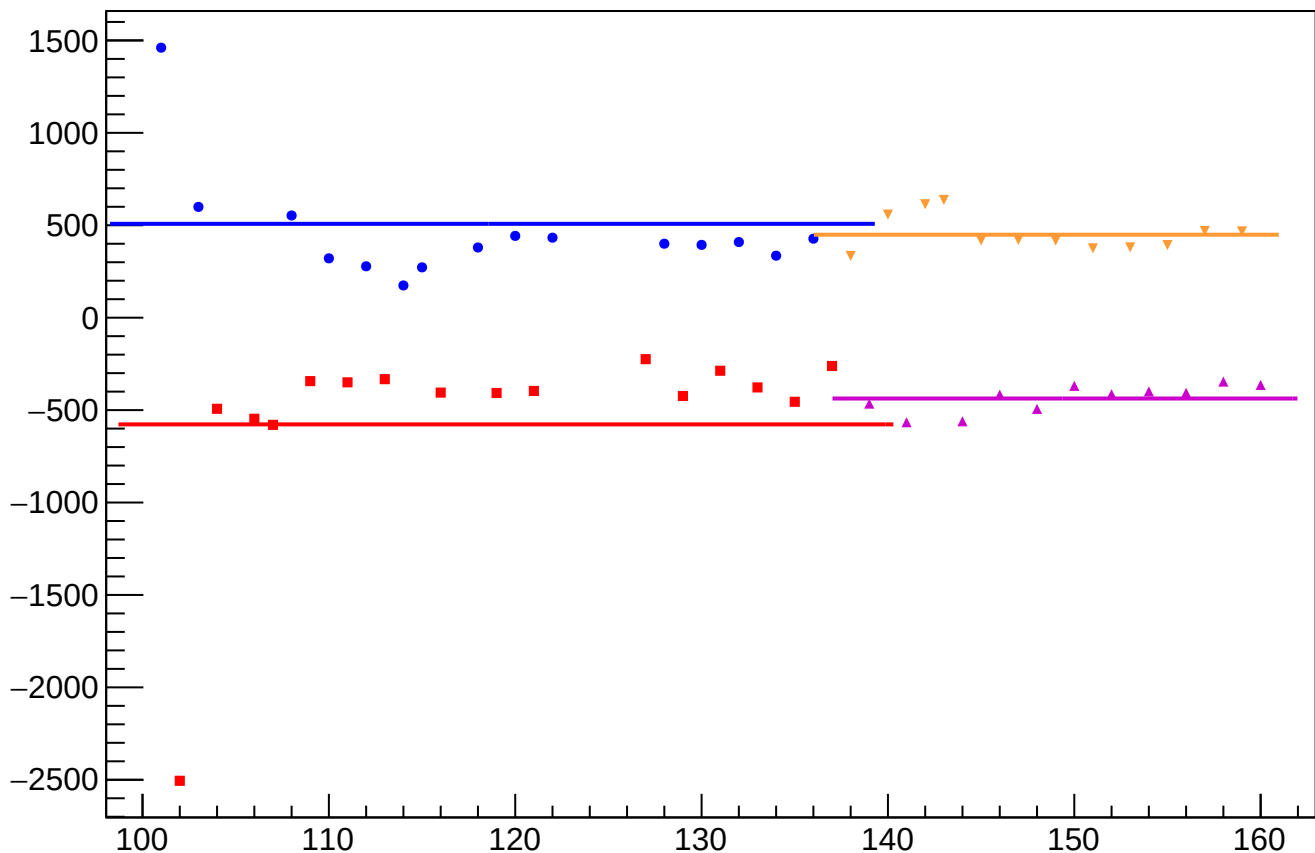
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.811+/-0.000 χ^2/NDF : 143918754957920

All: 46.783+/-0.000 χ^2/NDF : 2134436142325

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 448.905+/-0.000

χ^2/NDF : 6972444969041725929744111494148128768.0/11

Right Out: -577.250+/-0.000

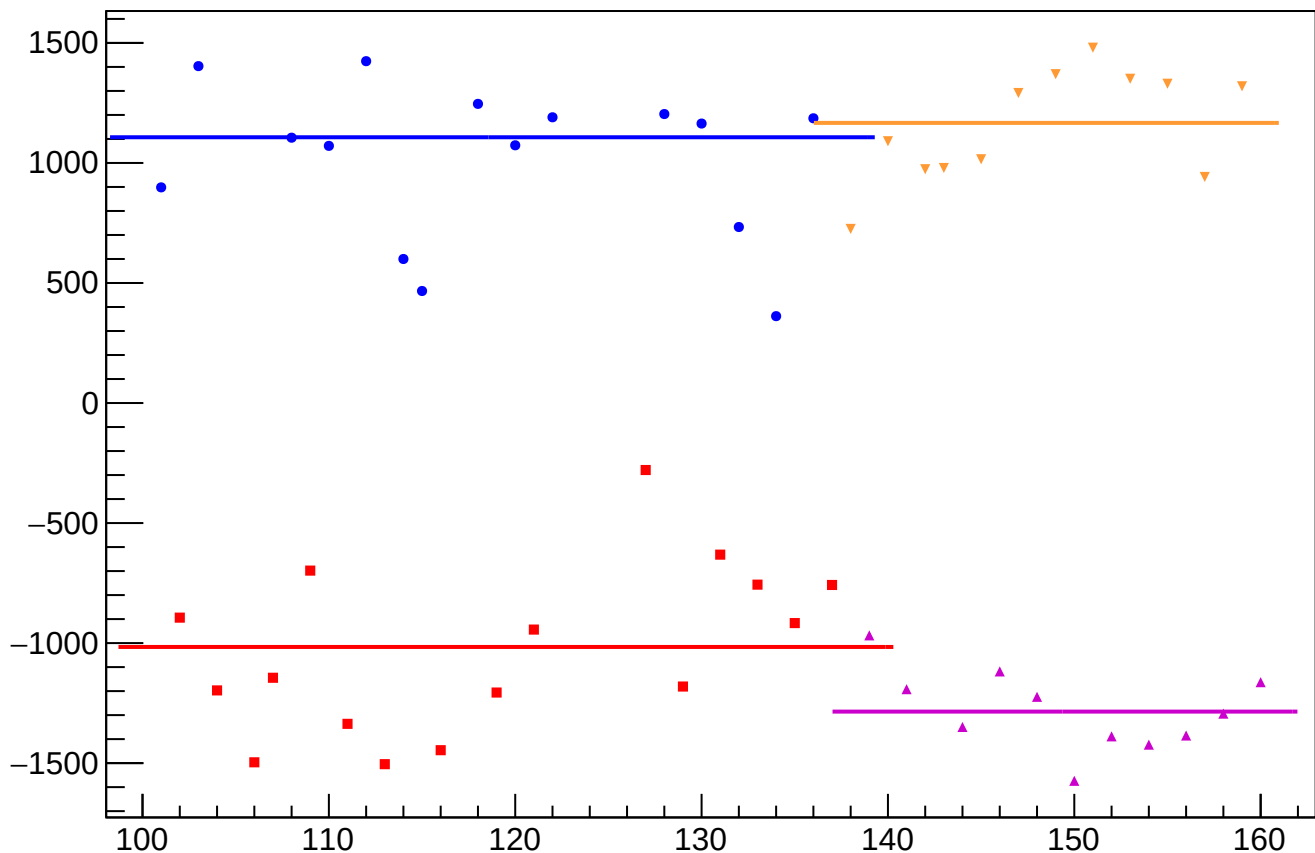
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

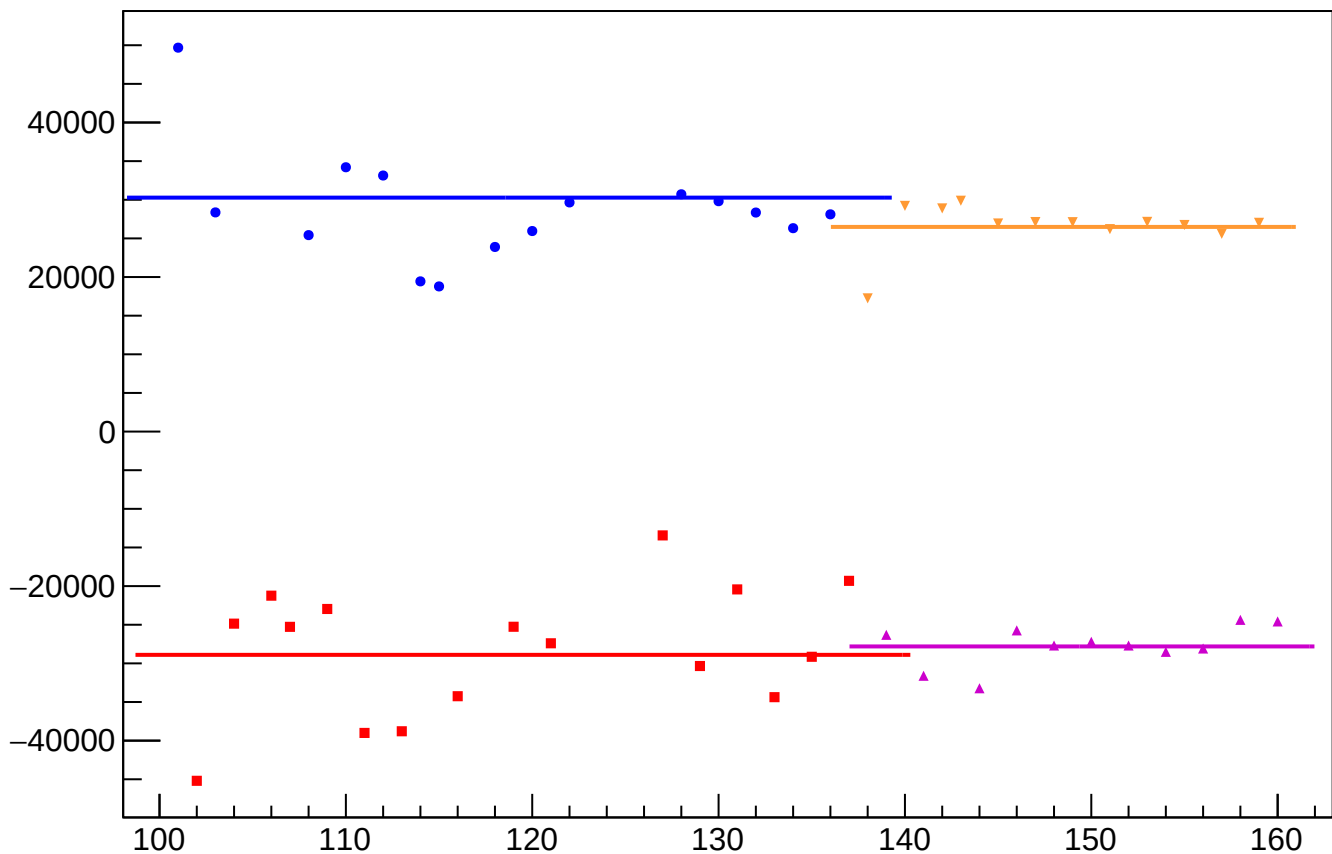
All: -15.611+/-0.000 χ^2/NDF : 106701634148

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



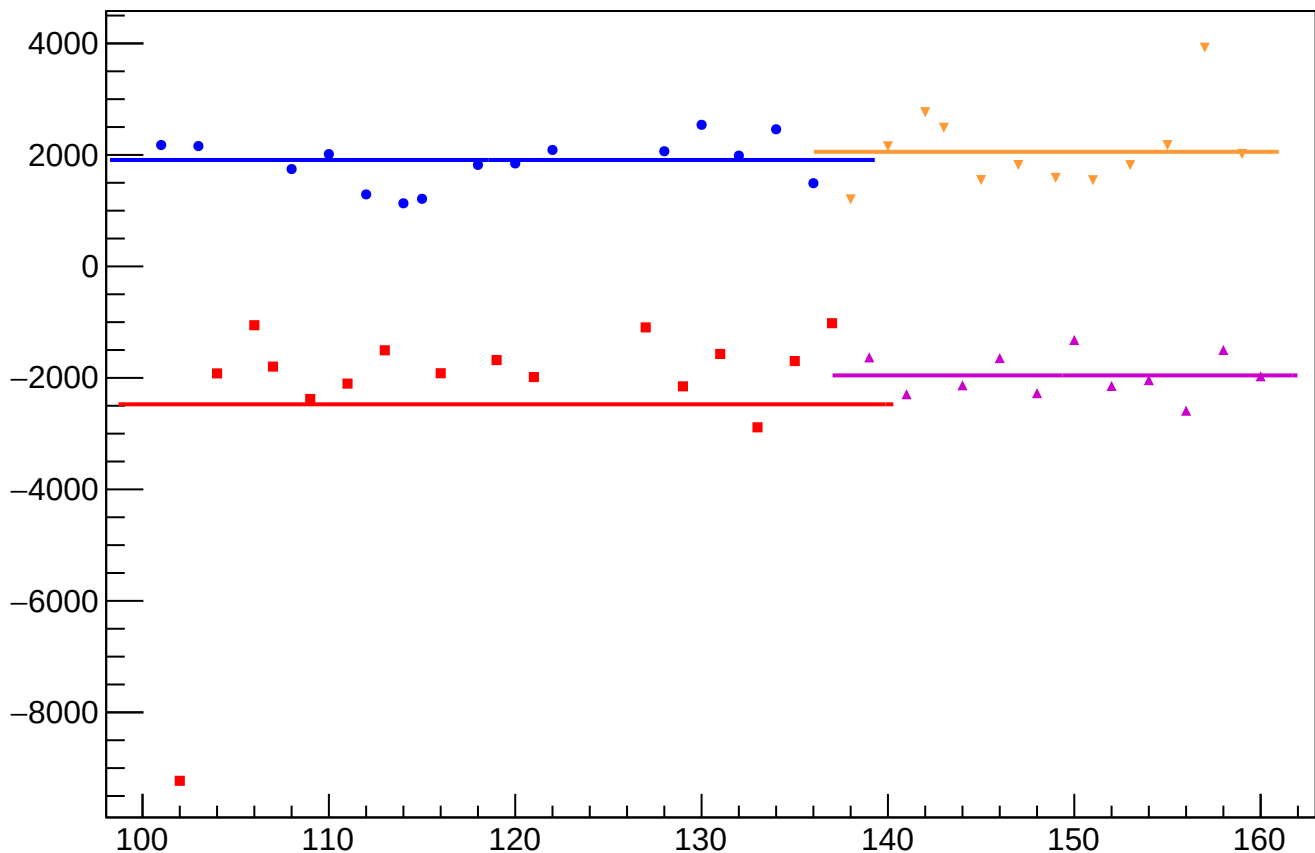
Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_atr2_coil4_mean vs Slug, Sign Corrected



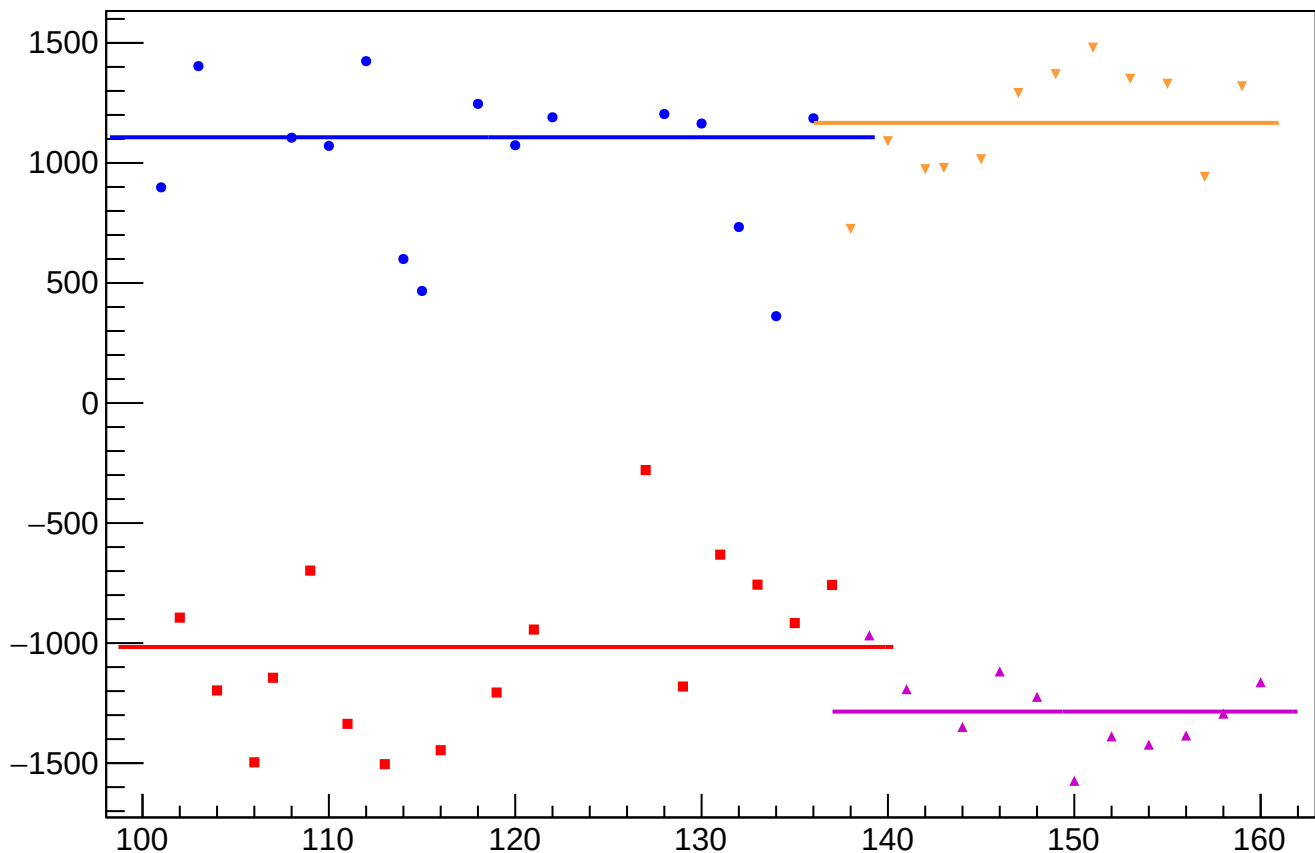
Right In: 30277.649+/-0.000 χ^2/NDF : 30975974641524142453090022540760519278592.0/14
 Left Out: 26486.725+/-0.000 χ^2/NDF : 8520993483340987429131750717035884052480.0/11
 Right Out: -28896.318+/-0.000 χ^2/NDF : 46969504058010359146250560228409714147328.0/15
 Left In: -27807.237+/-0.000 χ^2/NDF : 6193058620219899678835139815803642183680.0/10
 All: -351.512+/-0.000 χ^2/NDF : 25998642244

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



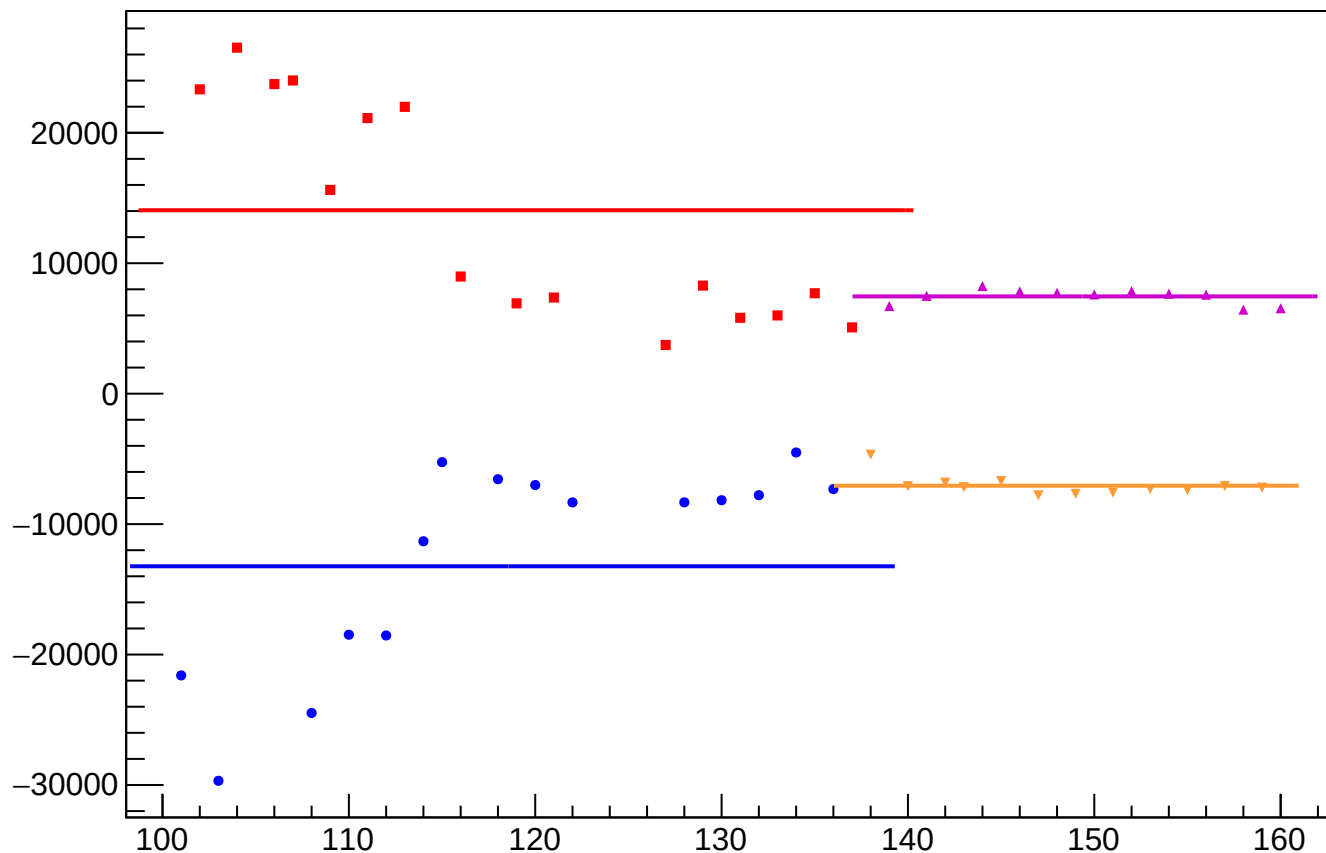
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2055.788+/-0.000 χ^2/NDF : 438010168588723075505721290768963862528.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.368+/-0.000 χ^2/NDF : 17494221106

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



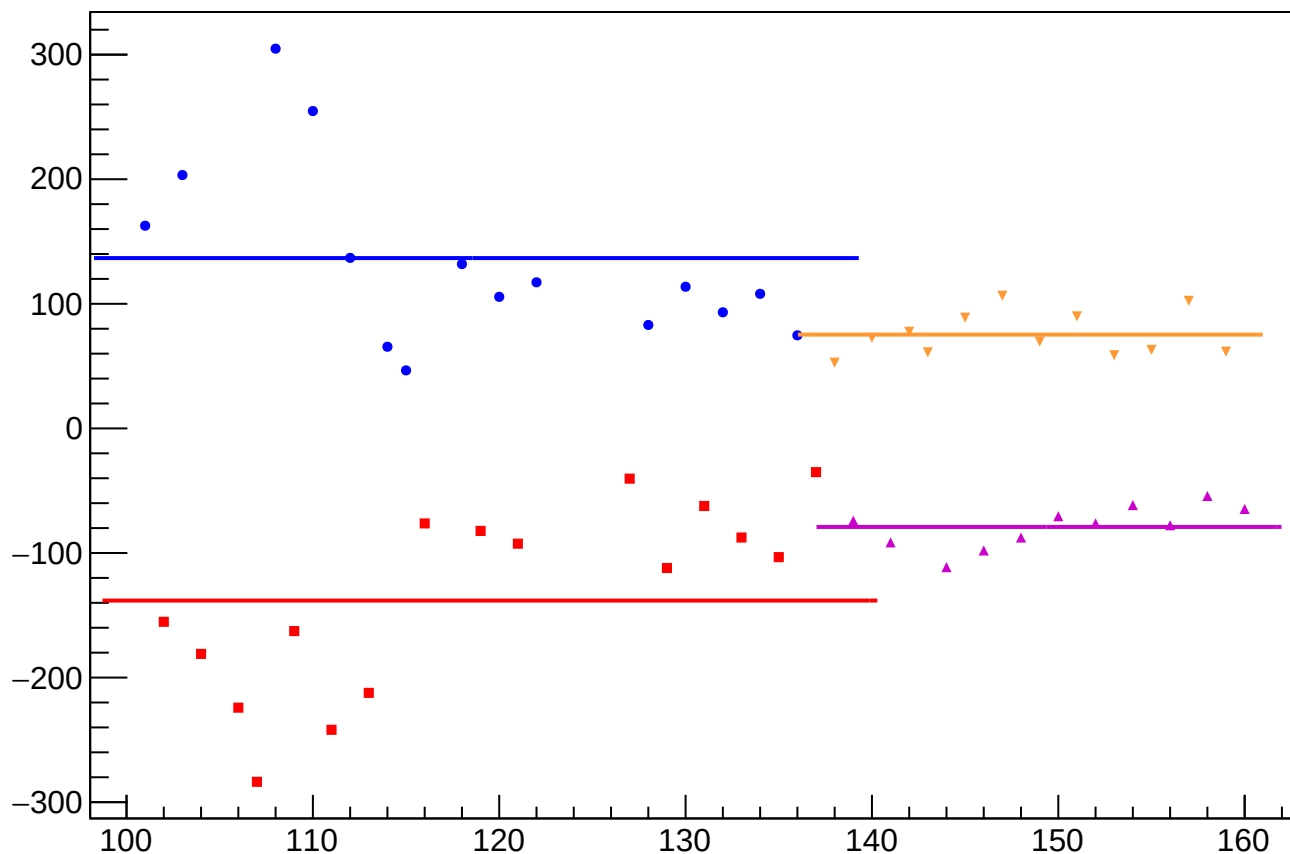
Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_sam1_coil4_mean vs Slug, Sign Corrected



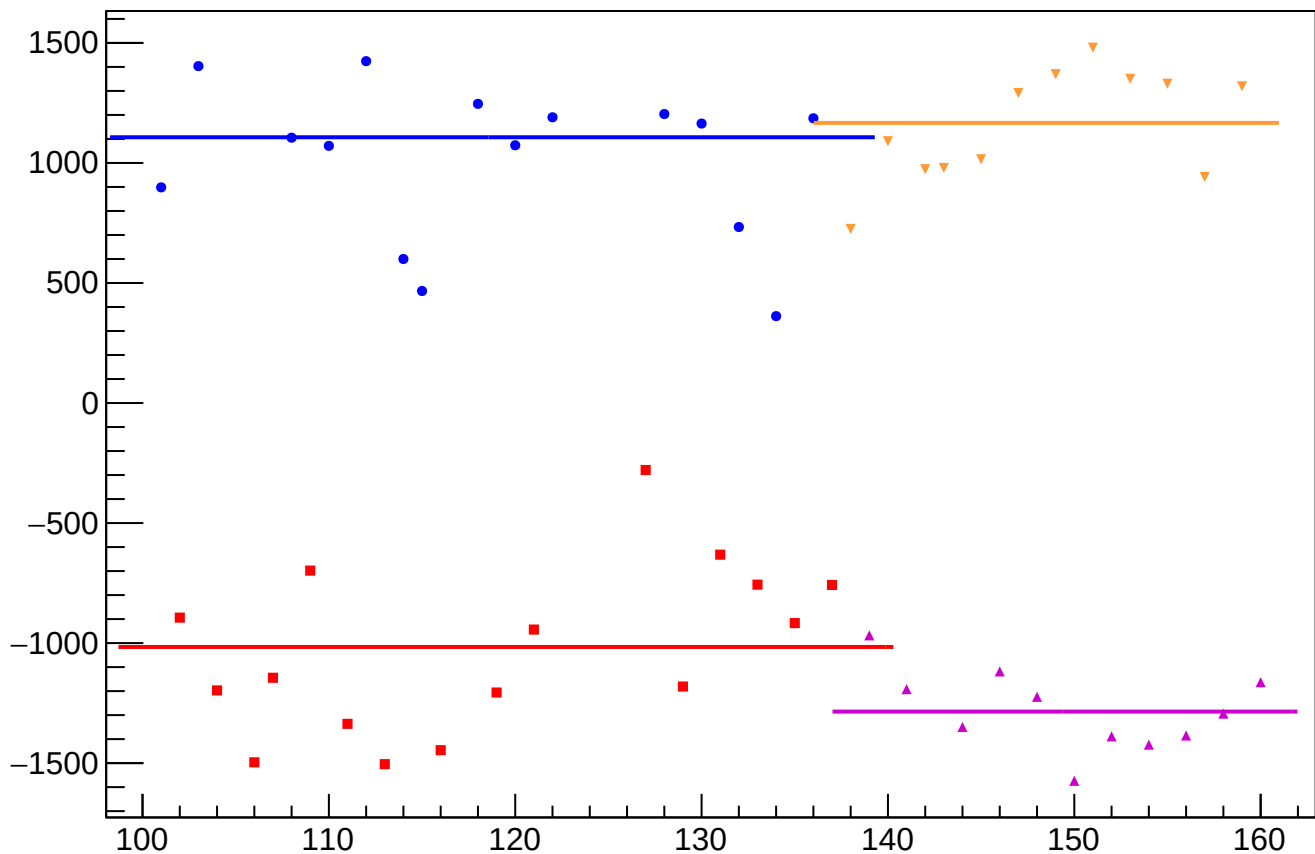
Left: 238.790+/-0.000 χ^2/NDF : 9764033800523105
 Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 Left Out: -7057.509+/-0.000 χ^2/NDF : 567022768290026836186795118569021505536.0/11
 In: -1080.099+/-0.000 χ^2/NDF : 204729341611961
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Out: 1851.692+/-0.000 χ^2/NDF : 217018548162785
 Left In: 7456.124+/-0.000 χ^2/NDF : 284554324589778558842129447316923351040.0/10
 All: 389.515+/-0.000 χ^2/NDF : 428525321735

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



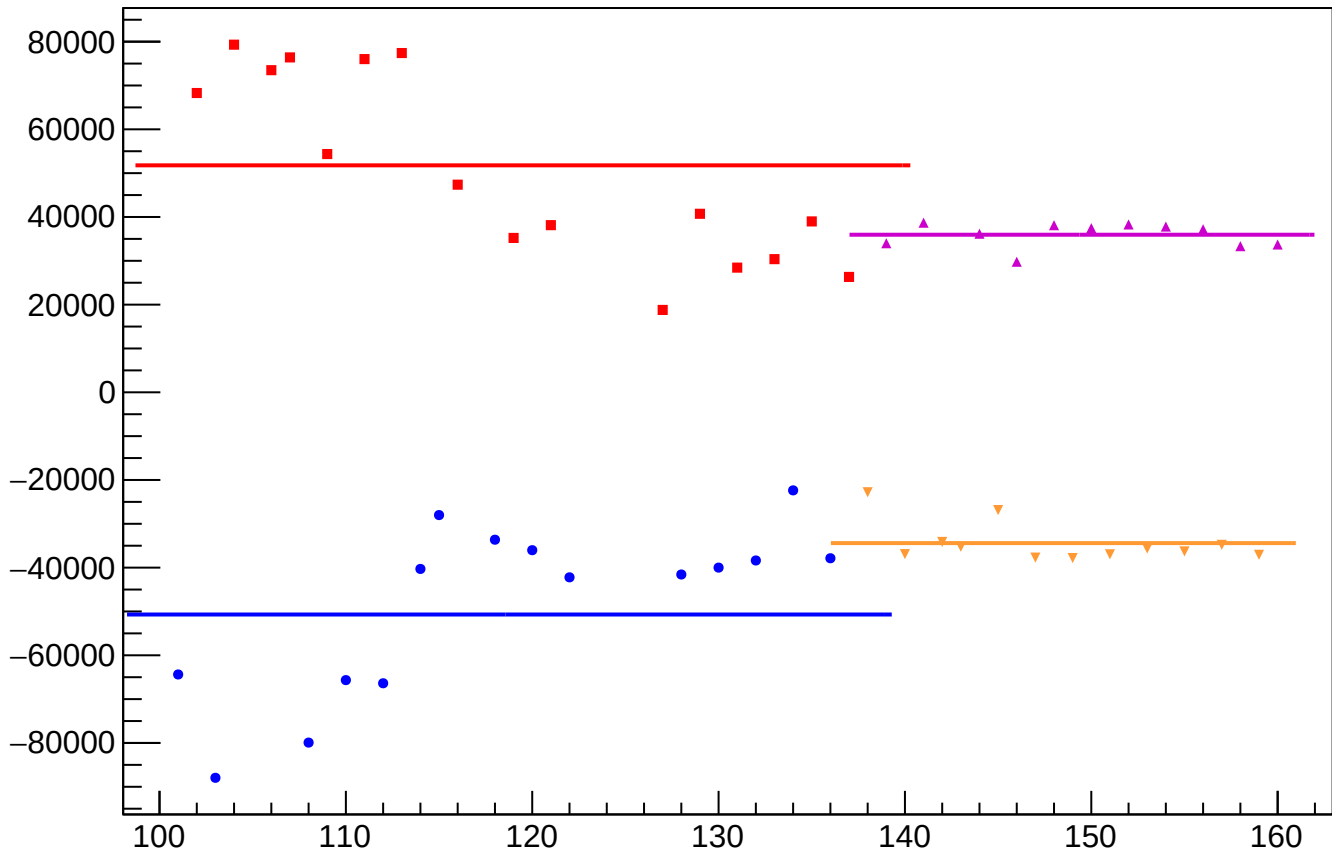
Right In: 136.711+/-0.000 χ^2/NDF : 2687065030885227126291764267456659456.0/14
 Left Out: 75.280+/-0.000 χ^2/NDF : 271565230291715258223184233837363200.0/11
 Right Out: -138.179+/-0.000 χ^2/NDF : 3230883352878636334641613561898467328.0/15
 Left In: -79.096+/-0.000 χ^2/NDF : 243975342218114768326270780809674752.0/10
 All: -2.448+/-0.000 χ^2/NDF : 4224006616846

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 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

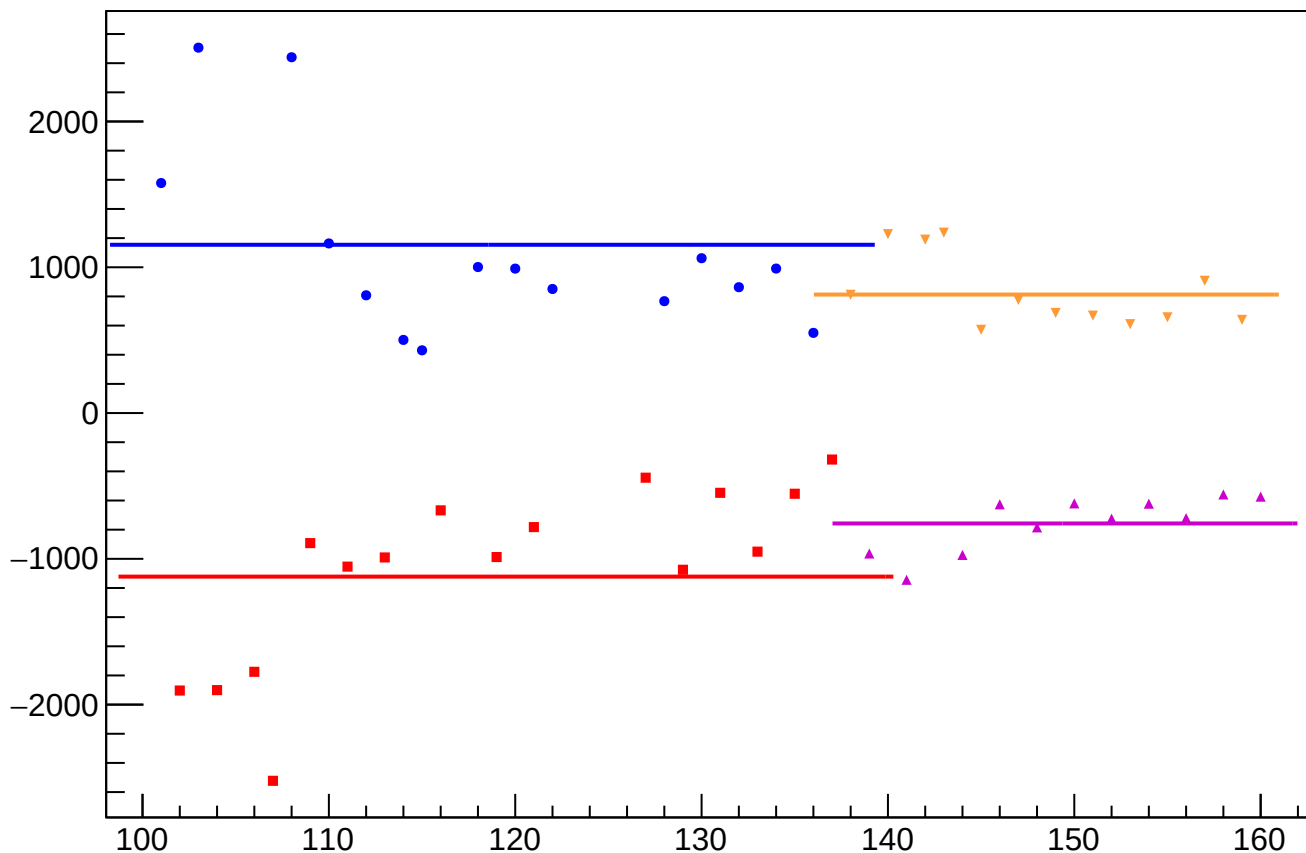
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1956.998+/-0.000 χ^2/NDF : 316504805338211

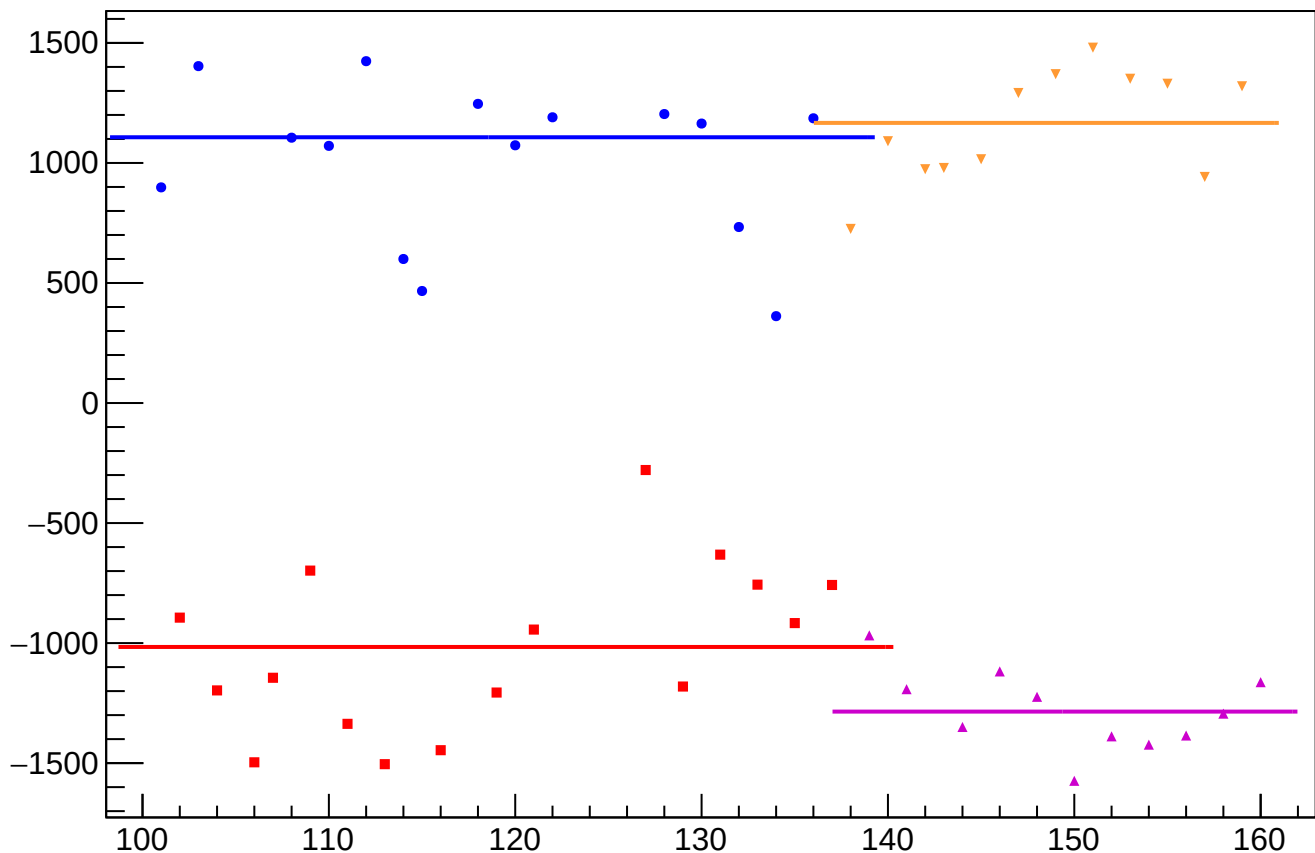
All: 1081.220+/-0.000 χ^2/NDF : 6262669489

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



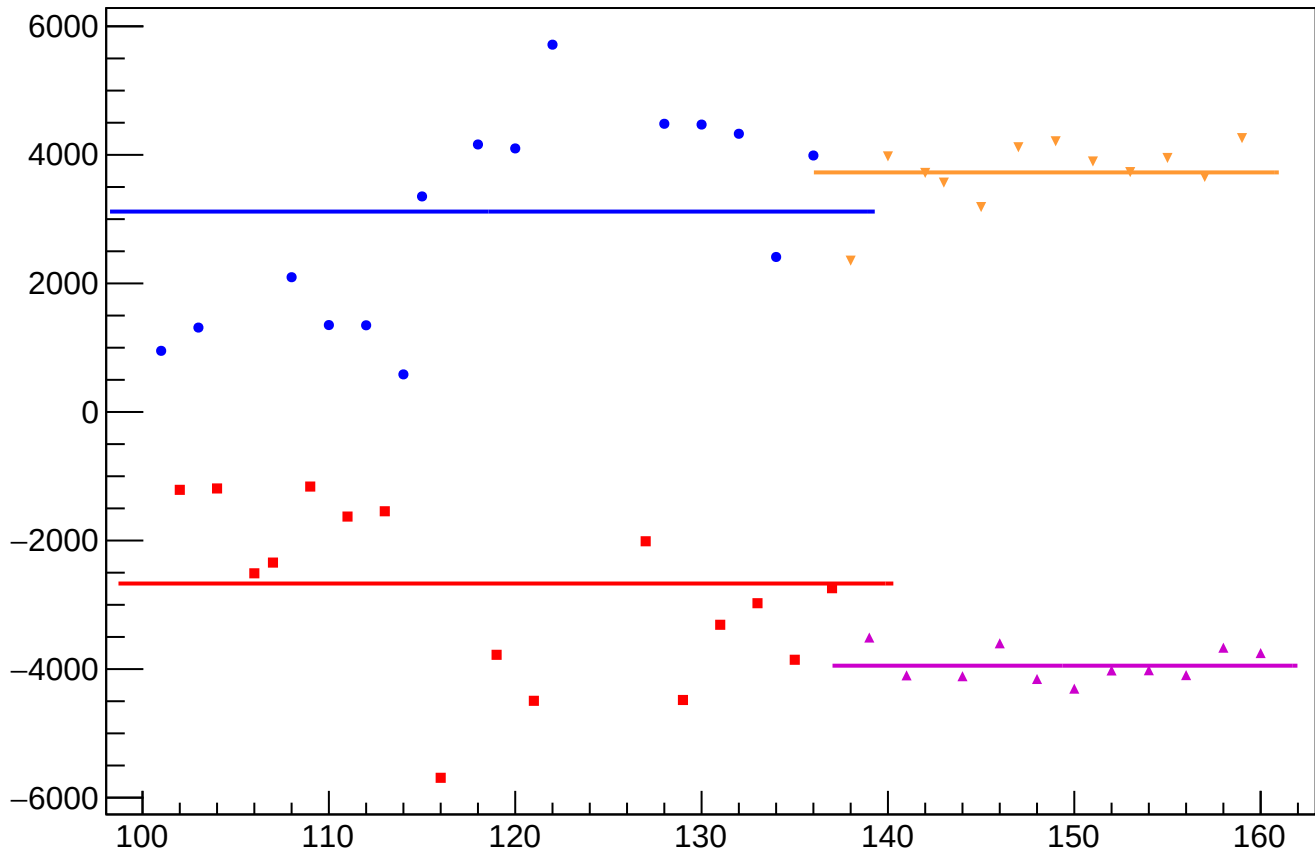
Left: 23.438+/-0.000 χ^2/NDF : 12126636203520677
 Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Right: 0.631+/-0.000 χ^2/NDF : 21797856278979973
 Left Out: 812.768+/-0.000 χ^2/NDF : 48869150953187834312923483015749828608.0/11
 In: 31.386+/-0.000 χ^2/NDF : 167352264529272497
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Out: -3.453+/-0.000 χ^2/NDF : 17183684725504016
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 All: 13.922+/-0.000 χ^2/NDF : 3392848168342

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914 $\pm$ 0.000

χ^2/NDF : 1552738593335565674554918493159210090496.0/14

Left Out: 3727.095 $\pm$ 0.000

χ^2/NDF : 237477678561542860292825834329185714176.0/11

Right Out: -2668.794 $\pm$ 0.000

χ^2/NDF : 1136406286131098596000054422131257114624.0/15

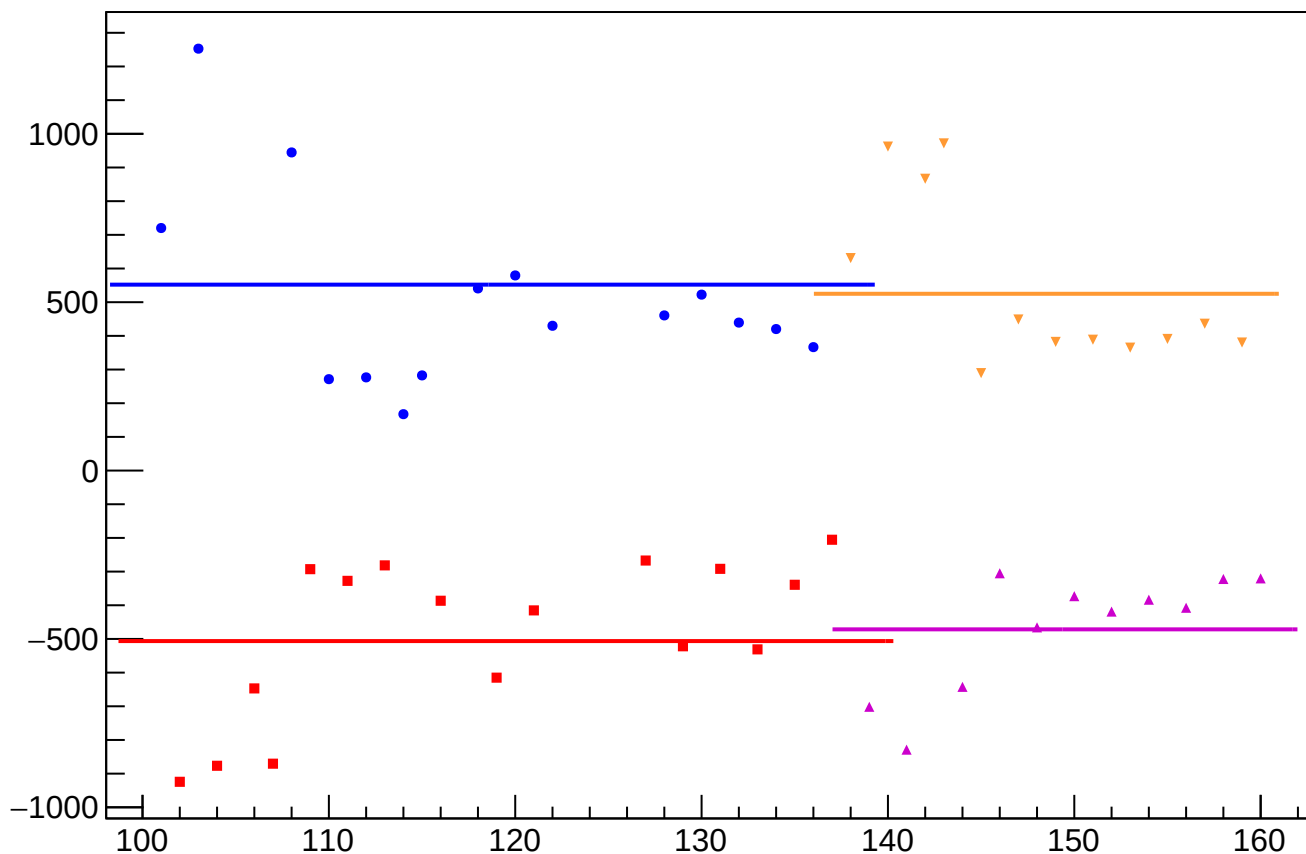
Left In: -3947.046 $\pm$ 0.000

χ^2/NDF : 56963661018859057070812095134472077312.0/10

All: 0.930 $\pm$ 0.000

χ^2/NDF : 41135190376945

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108+/-0.000 χ^2/NDF : 50739041741159119848523988236001869824.0/14

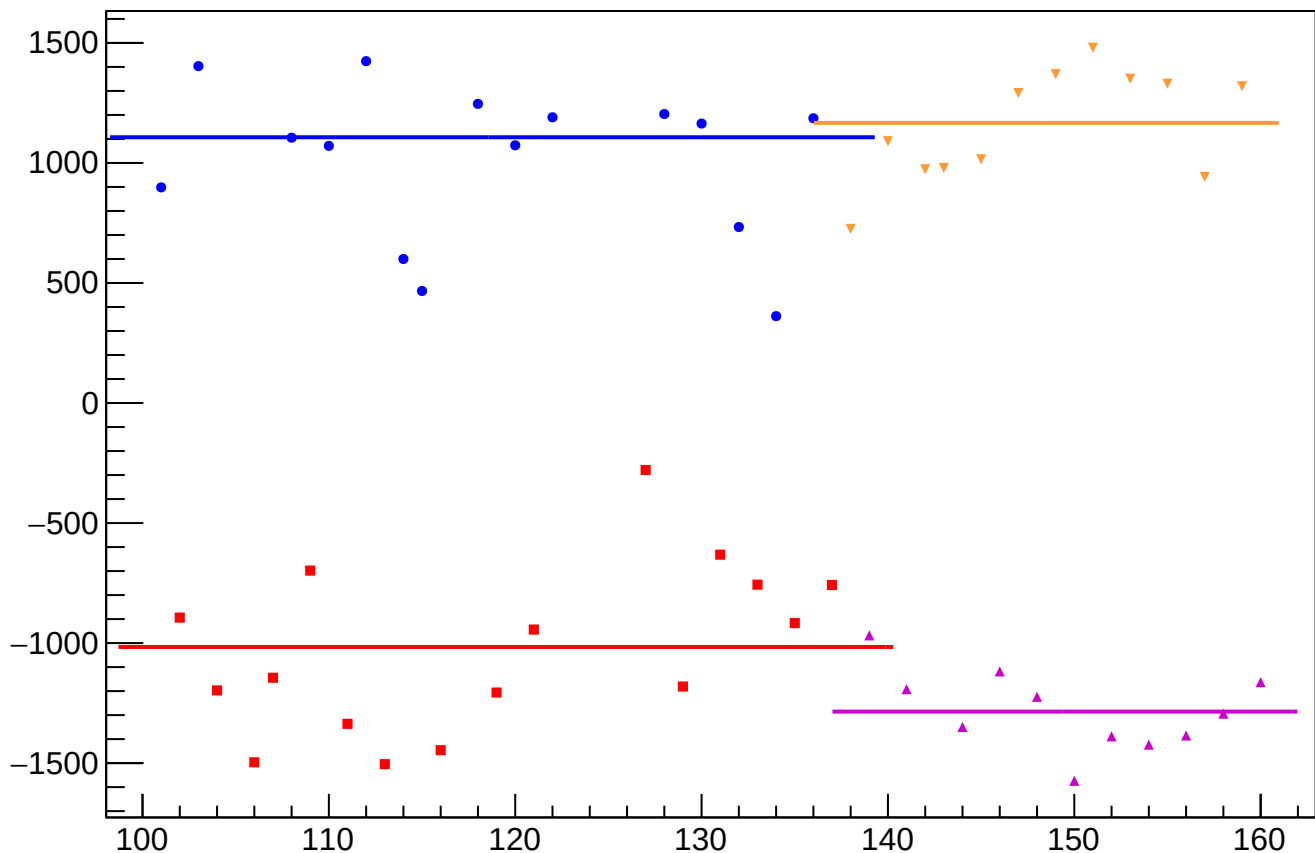
Left Out: 524.984+/-0.000 χ^2/NDF : 49120612413638370088062361036096798720.0/11

Right Out: -506.345+/-0.000 χ^2/NDF : 37181653297314883501659131806010572800.0/15

Left In: -471.540+/-0.000 χ^2/NDF : 25680884477827715914944205366363160576.0/10

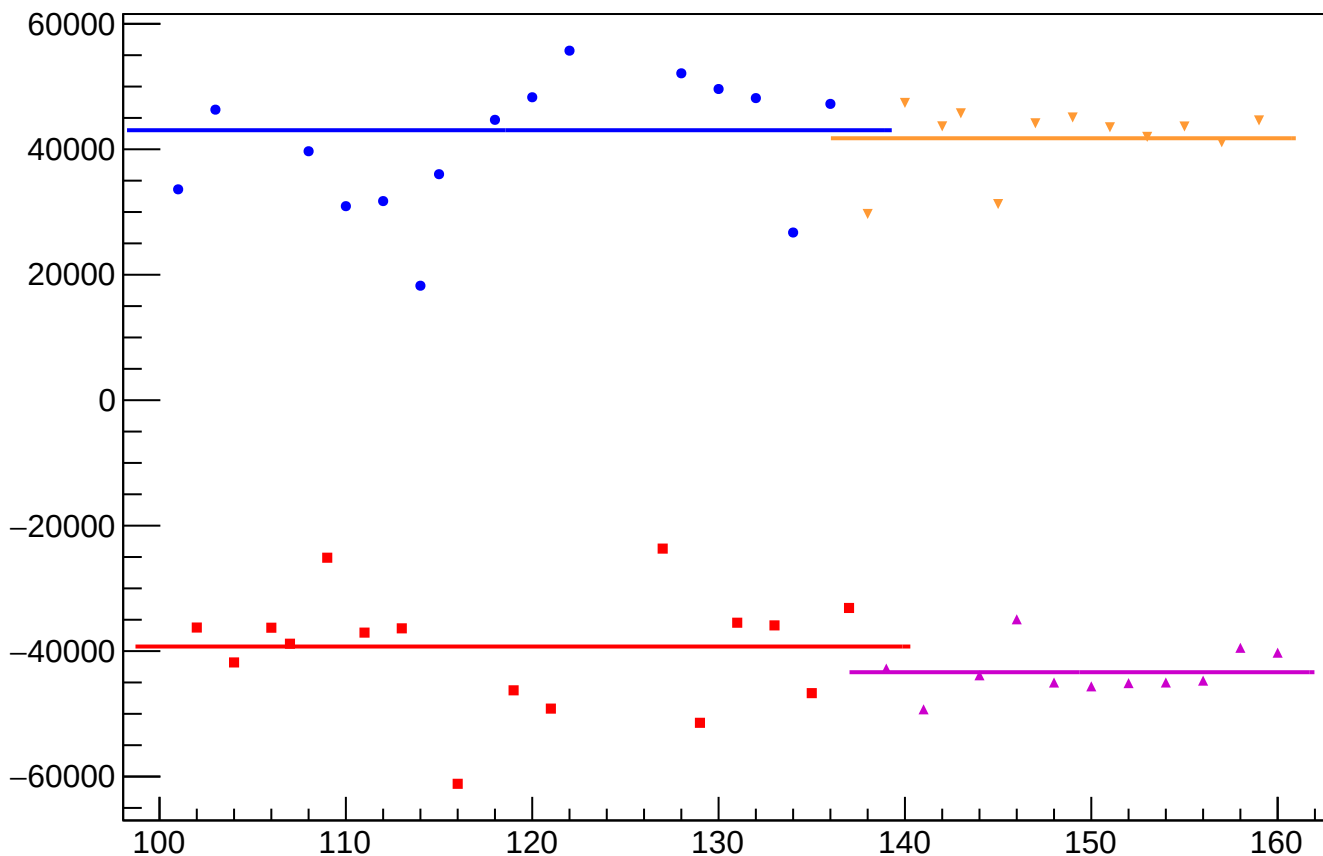
All: 20.520+/-0.000 χ^2/NDF : 9875911626514

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 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_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

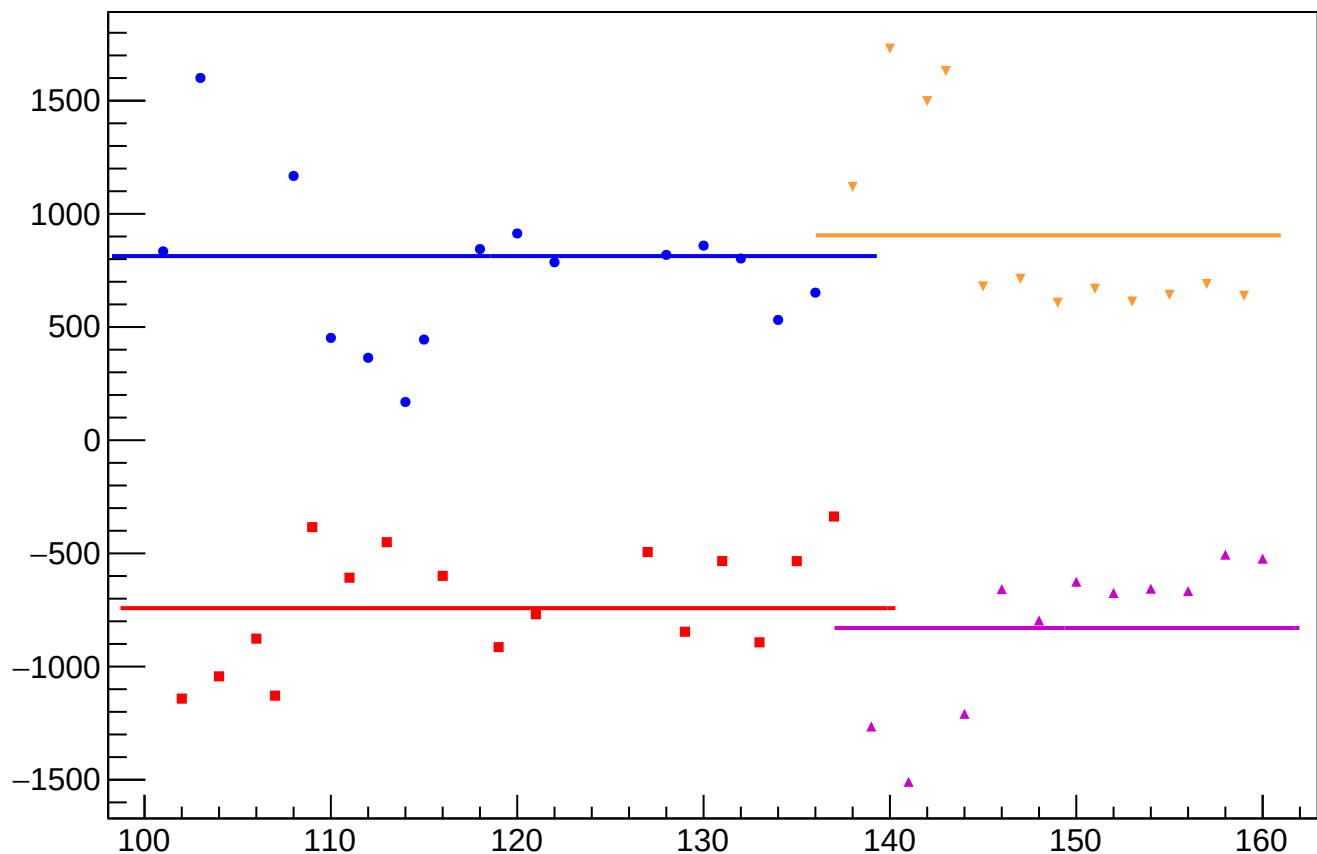
χ^2/NDF : 51873036517757666237545716605051585167360.0/15

Left In: -43364.892+/-0.000

χ^2/NDF : 12209695723681592241000188414954802511872.0/10

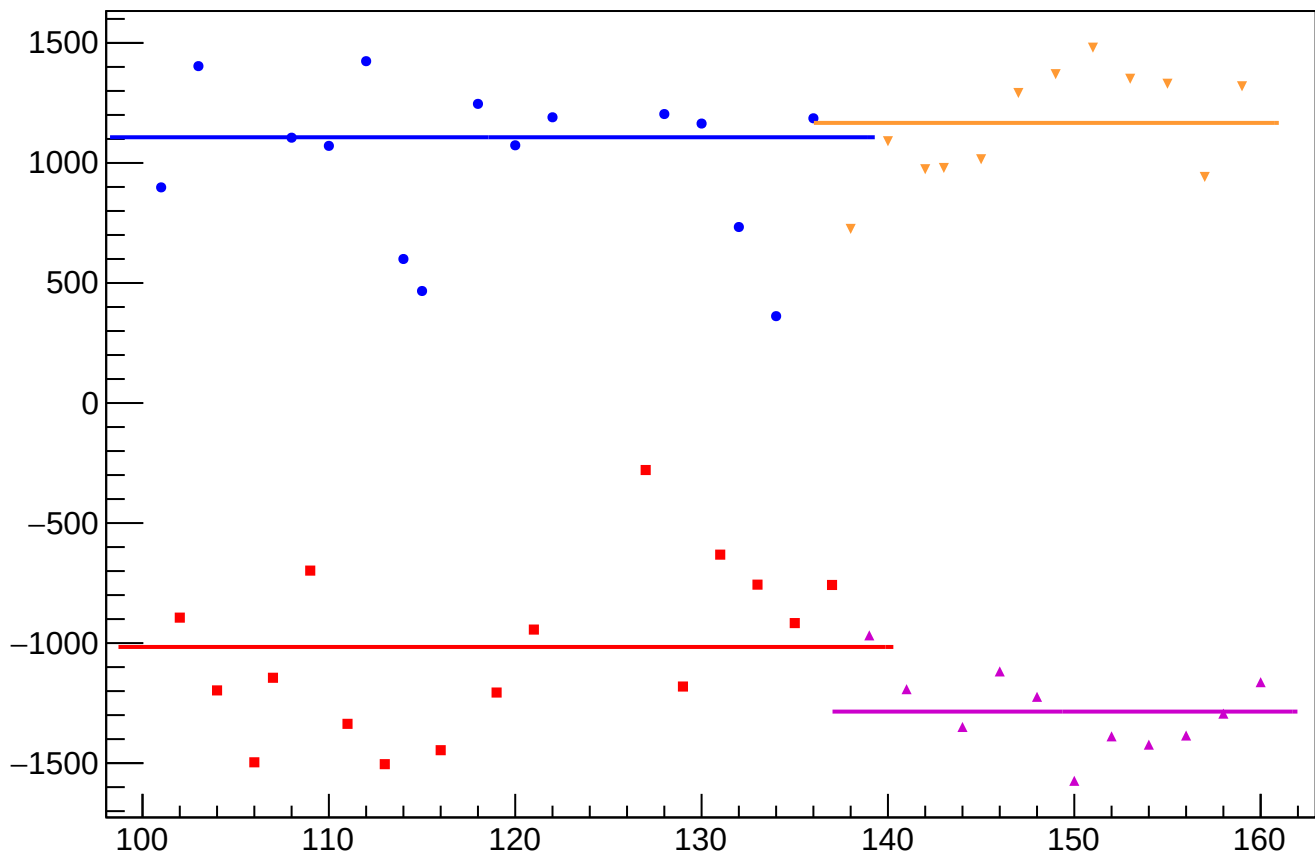
All: -51.092+/-0.000 χ^2/NDF : 570108278214

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



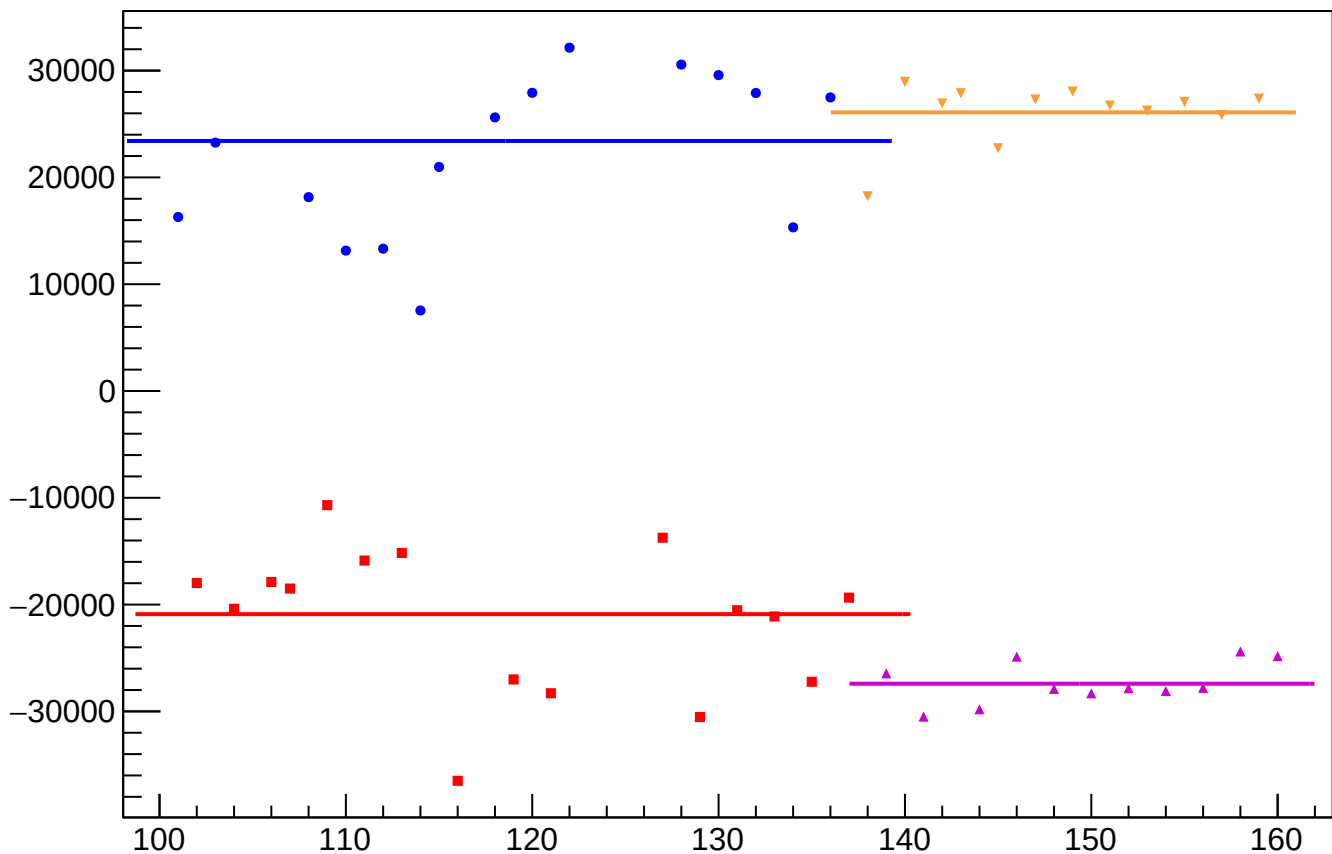
Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Left Out: 905.383+/-0.000 χ^2/NDF : 151600119297269061553878773288042233856.0/11
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Left In: -829.715+/-0.000 χ^2/NDF : 96077836071623048341749512260917657600.0/10
 All: 29.794+/-0.000 χ^2/NDF : 2538038020154

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



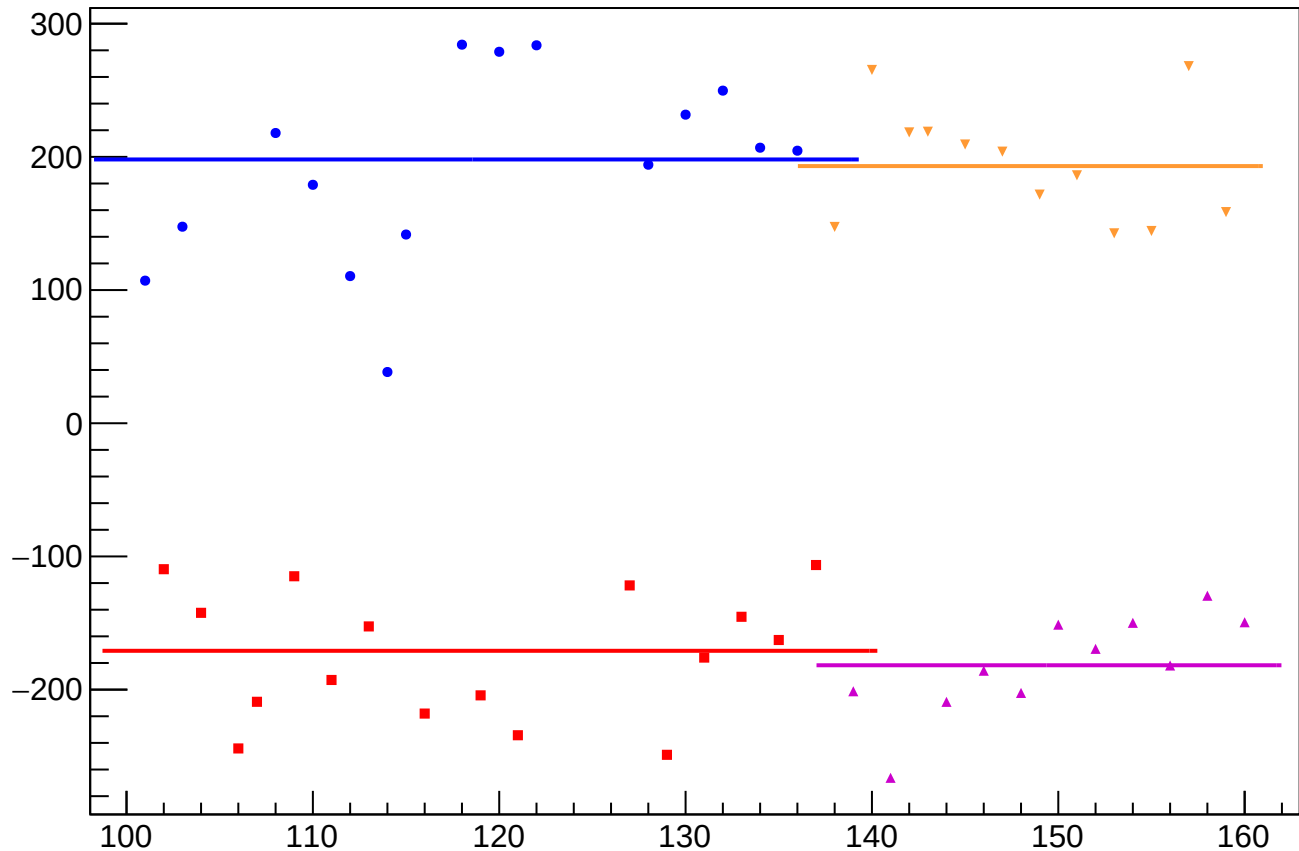
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	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

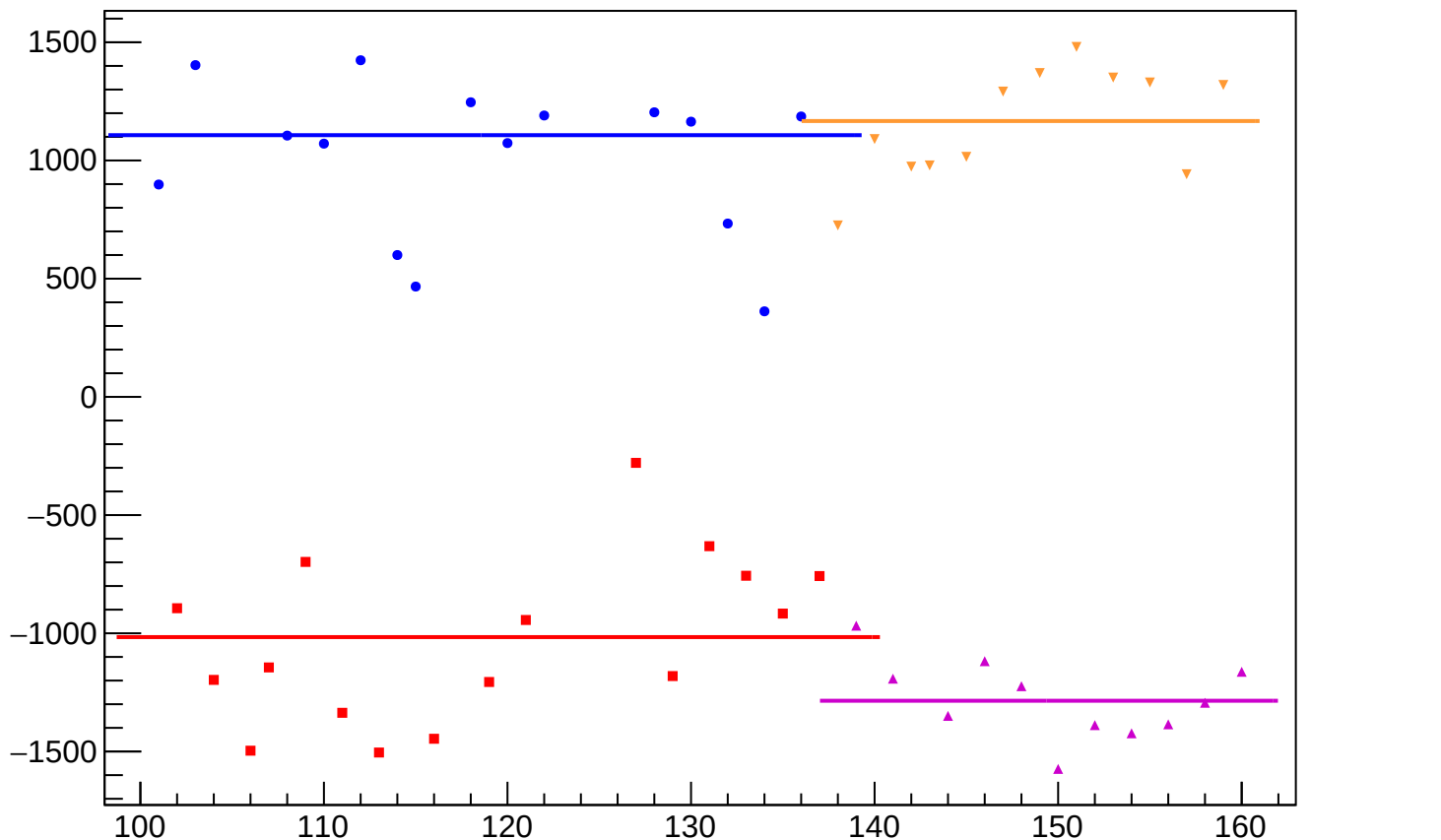
χ^2/NDF : 1418314816915016425155520631536615424.0/15

Left In: -181.711+/-0.000

χ^2/NDF : 1228549704796737698218369408017891328.0/10

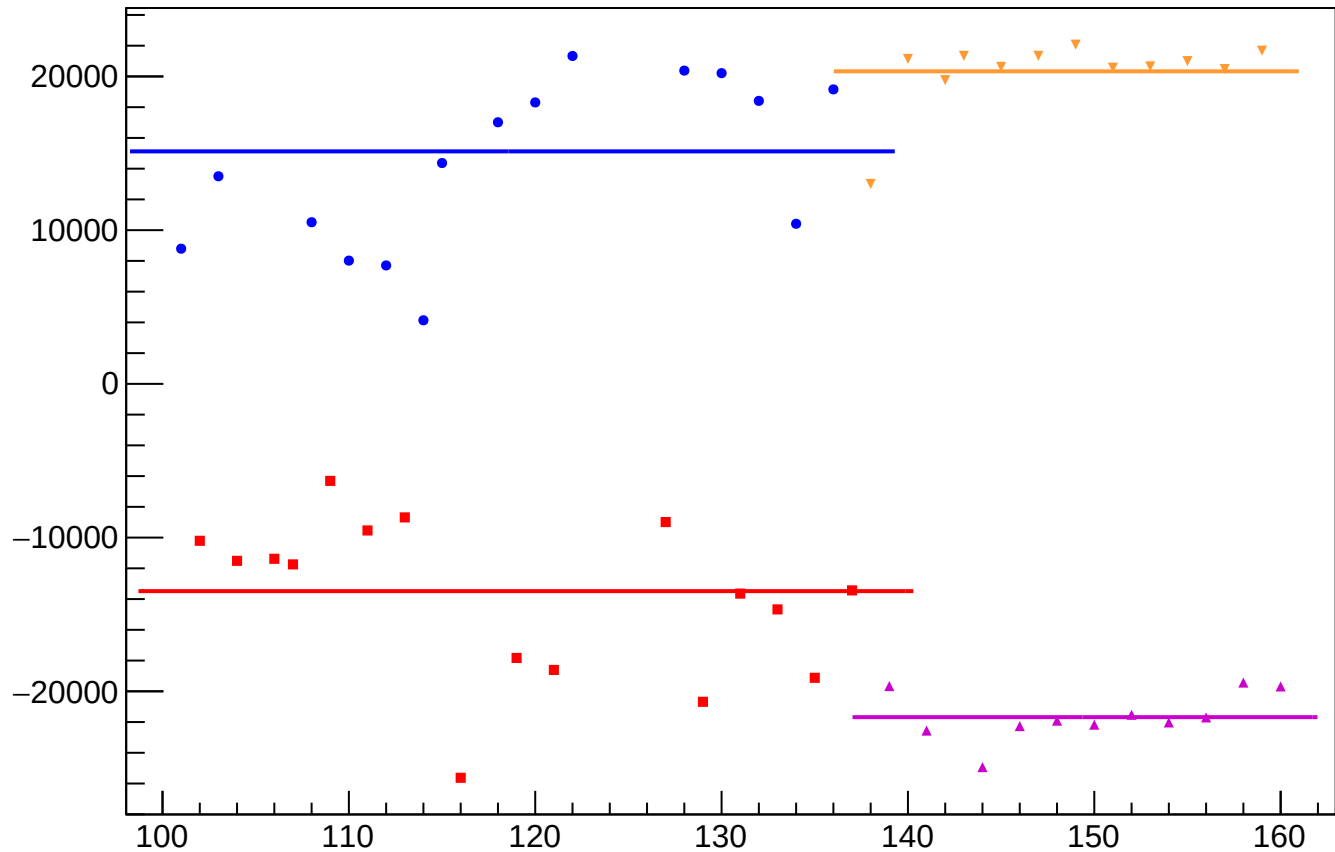
All: 7.342+/-0.000 χ^2/NDF : 11615483338933

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



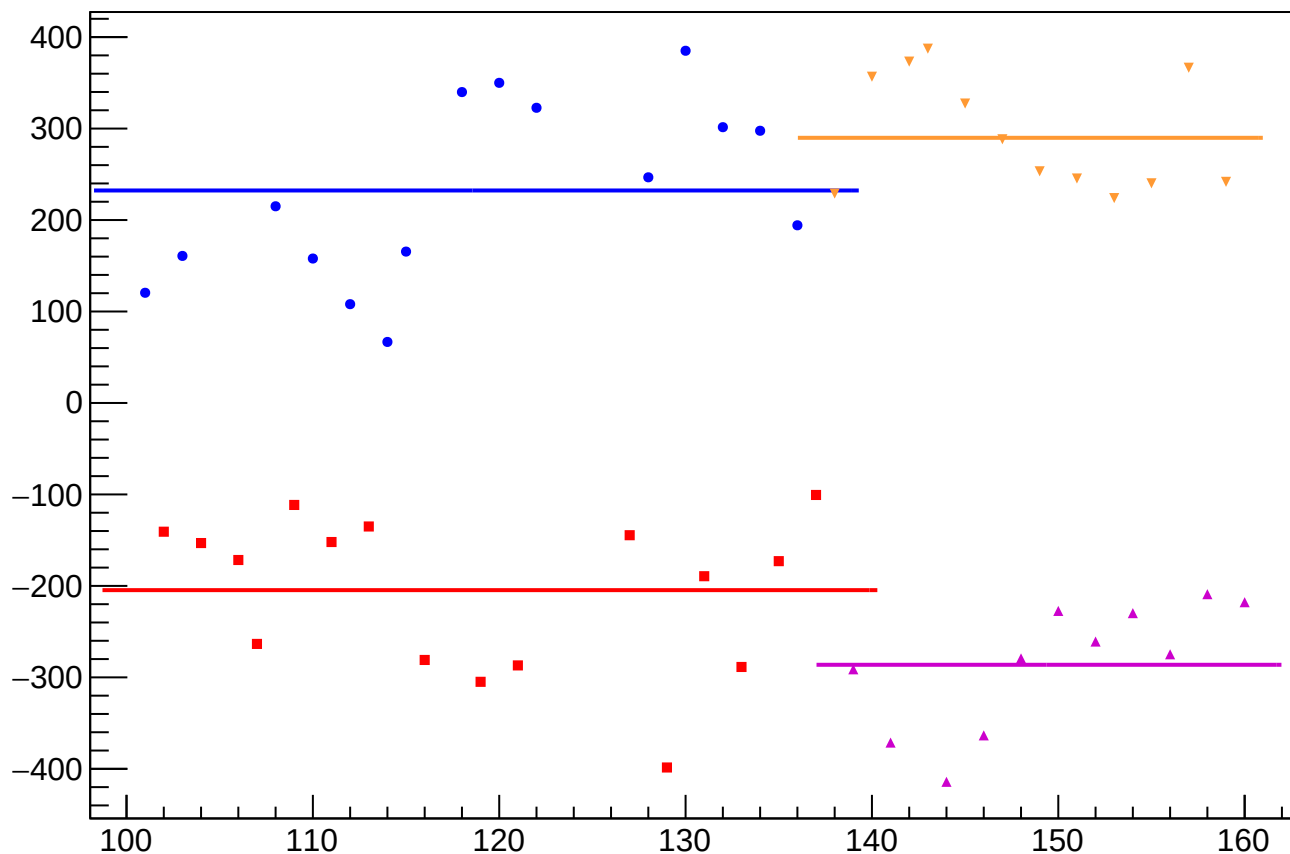
Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_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

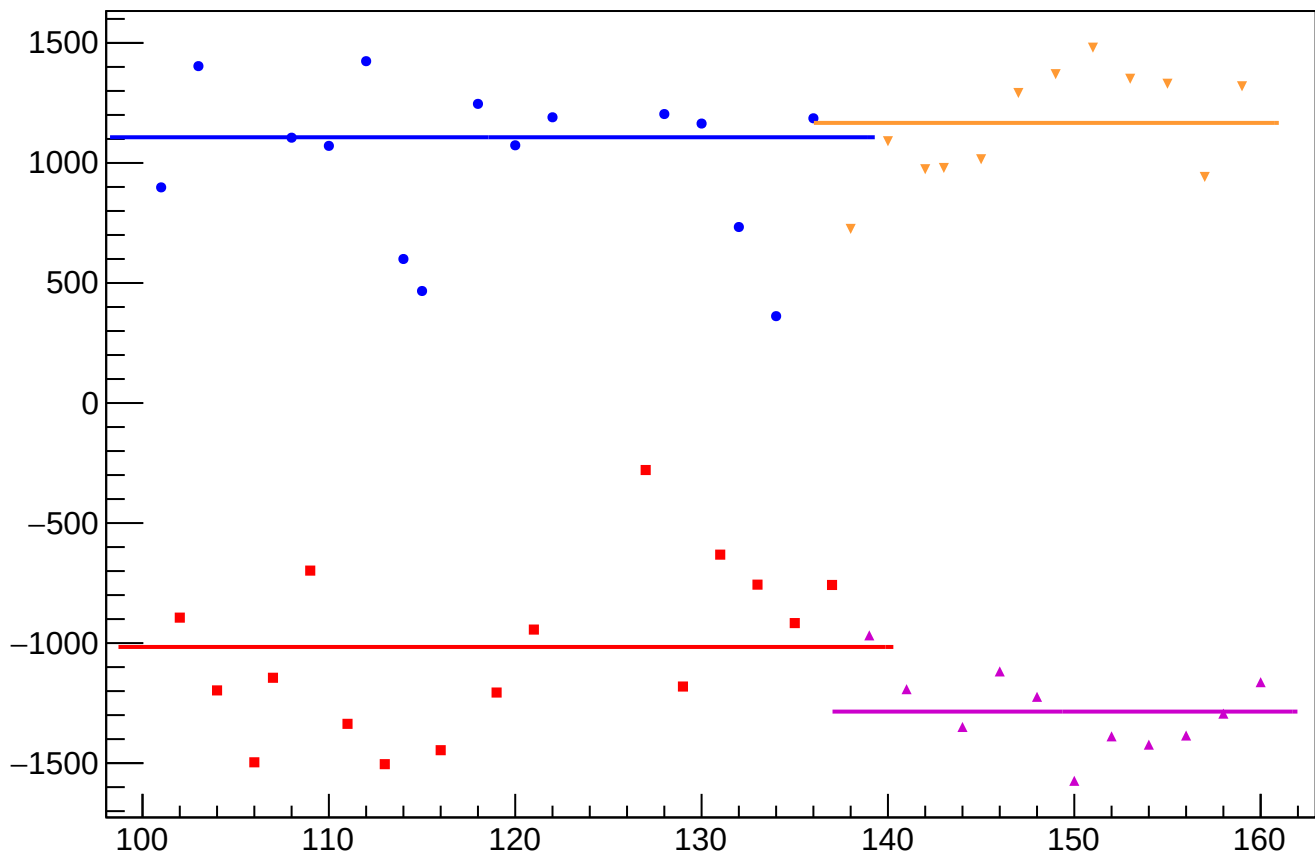
Left Out: 289.897 $\pm$ 0.000 χ^2 /NDF: 3202390993231935504147250998086205440.0/11

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

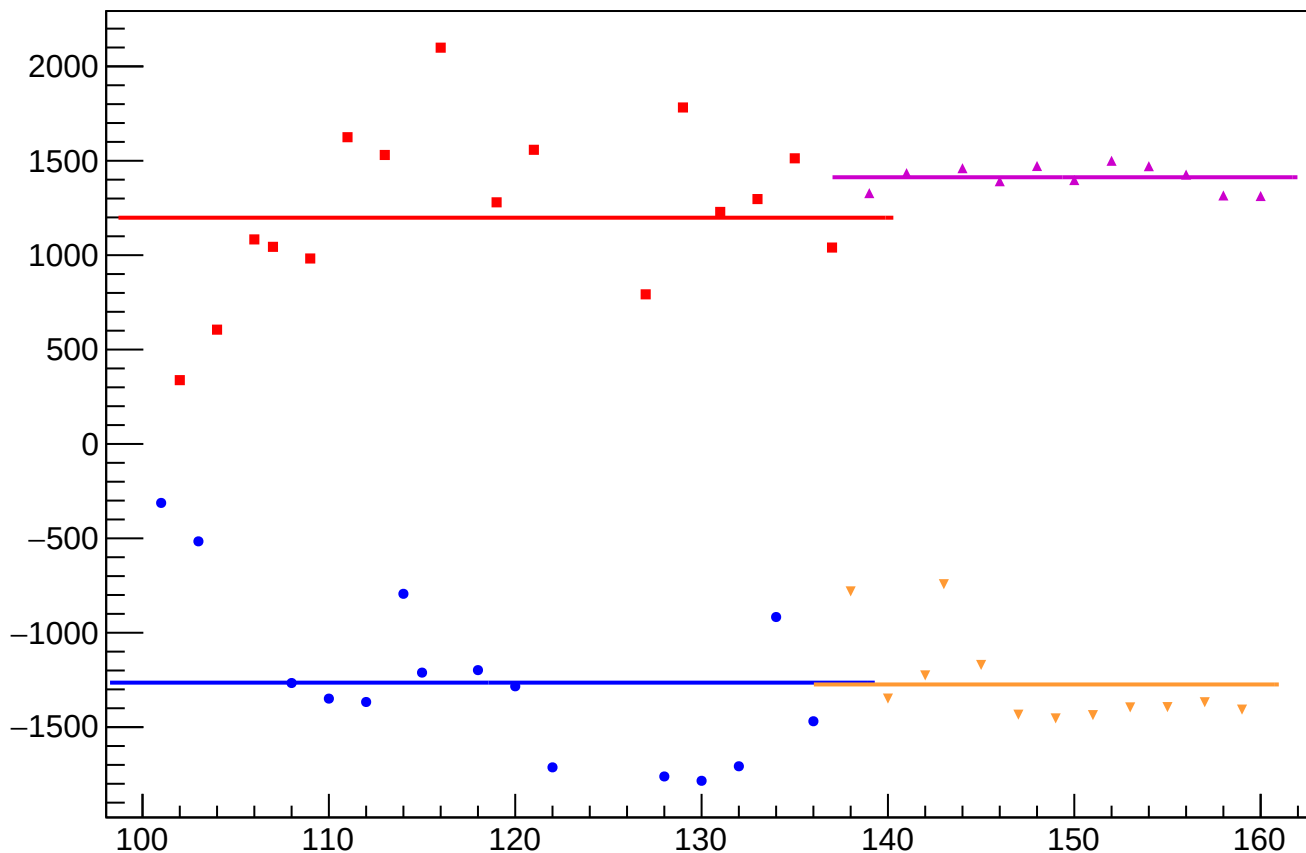
All: 4.677 $\pm$ 0.000 χ^2 /NDF: 2327138069389

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 : 72567664333509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_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

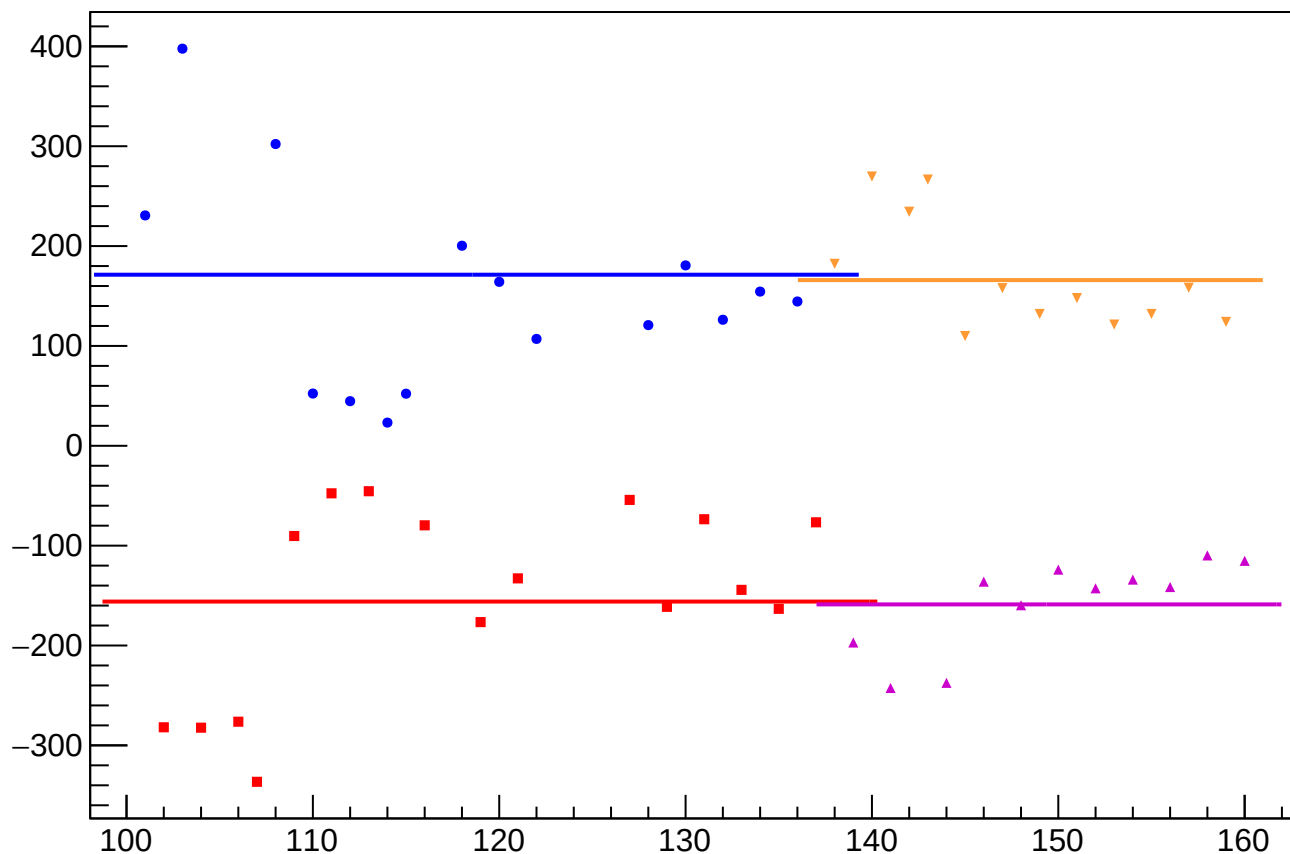
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 308.244+/-0.000 χ^2/NDF : 28760344161485338

Out: -230.846+/-0.000 χ^2/NDF : 253877034127960

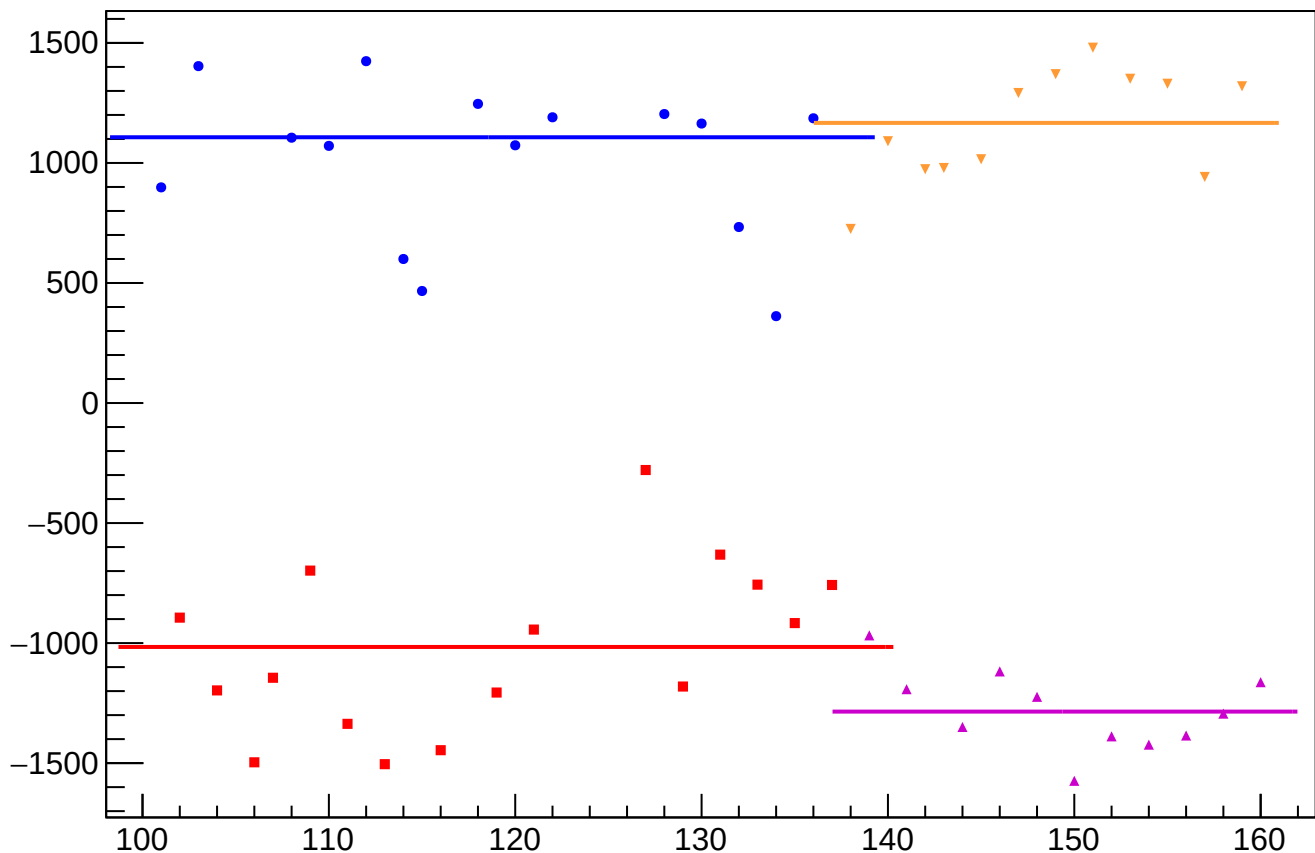
All: 38.016+/-0.000 χ^2/NDF : 5643955595721

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



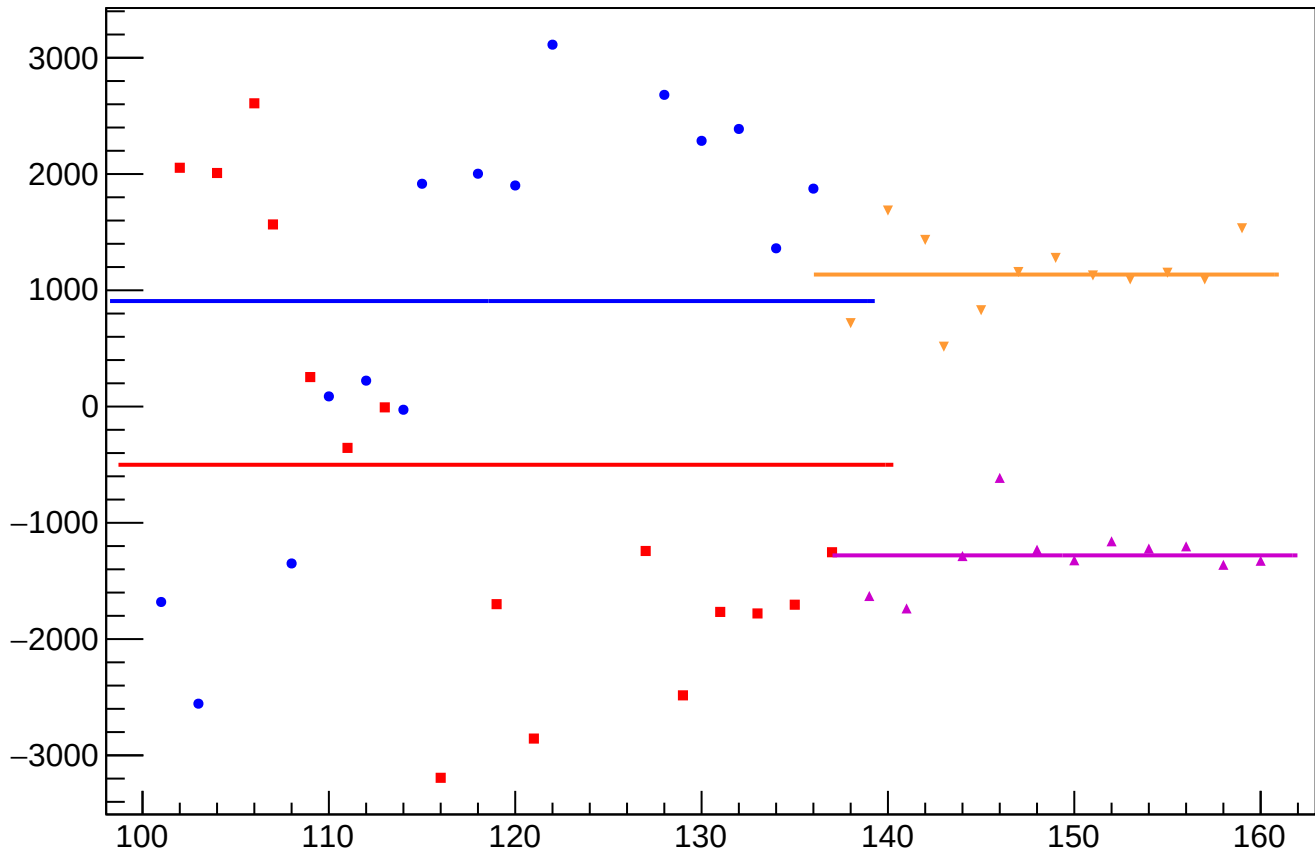
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.917+/-0.000 χ^2/NDF : 2574923375517186479088669940447707136.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 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: -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_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1135.509+/-0.000

χ^2/NDF : 90454761773489591793478678074609369088.0/11

Right Out: -500.689+/-0.000

χ^2/NDF : 2074232918749953174436803426379074895872.0/15

Left In: -1279.995+/-0.000

χ^2/NDF : 67592304703884032028559239448782438400.0/10

Left: -78.814+/-0.000 χ^2/NDF : 2838993659503494

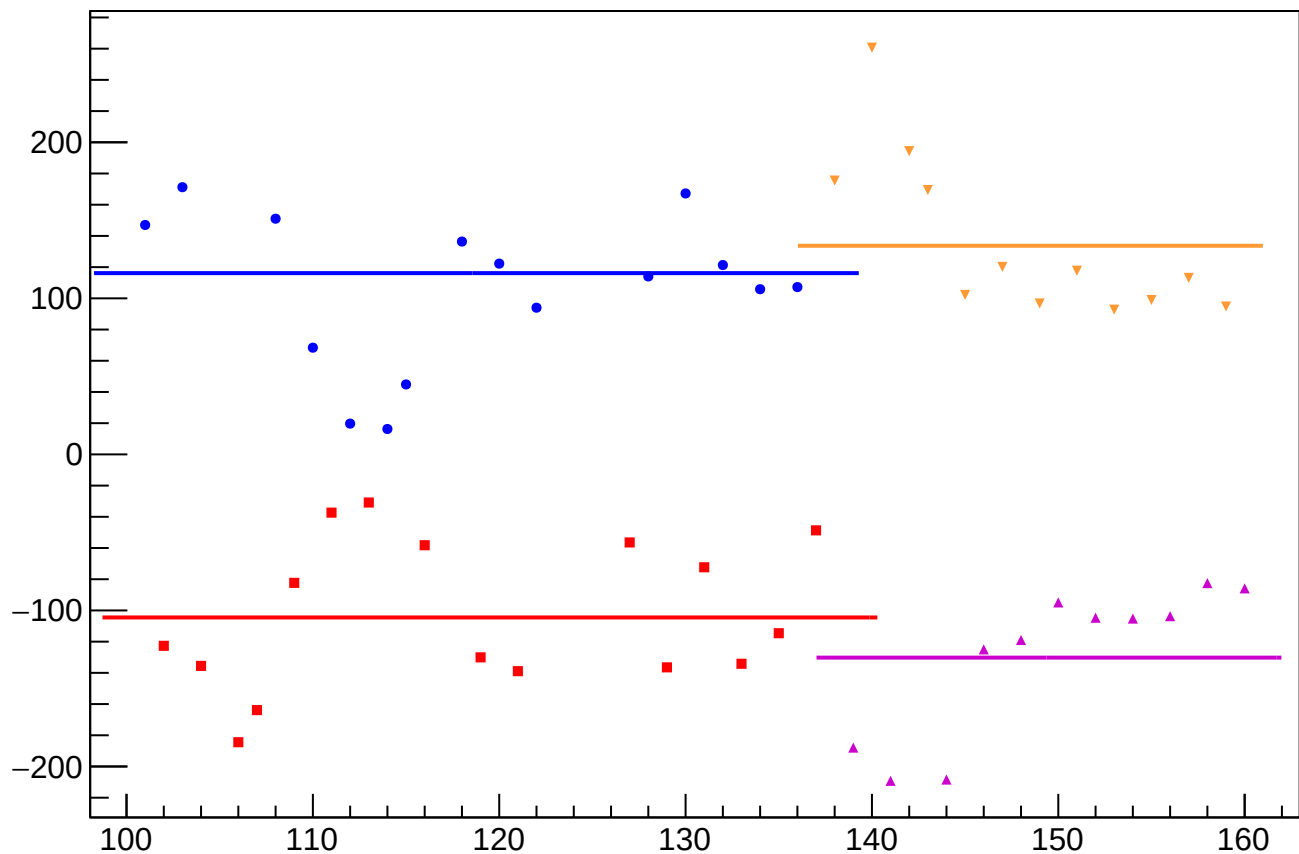
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 445.222+/-0.000 χ^2/NDF : 3197001629965650

All: 34.911+/-0.000 χ^2/NDF : 7729666433906

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159+/-0.000

χ^2/NDF : 1198526427485199785396504127288115200.0/14

Left Out: 133.695+/-0.000

χ^2/NDF : 2332238004384262852879386446827356160.0/11

Right Out: -104.501+/-0.000

χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -130.237+/-0.000

χ^2/NDF : 1968814259217478663576054483231178752.0/10

Left: 1.011+/-0.000 χ^2/NDF : 363089448385334354

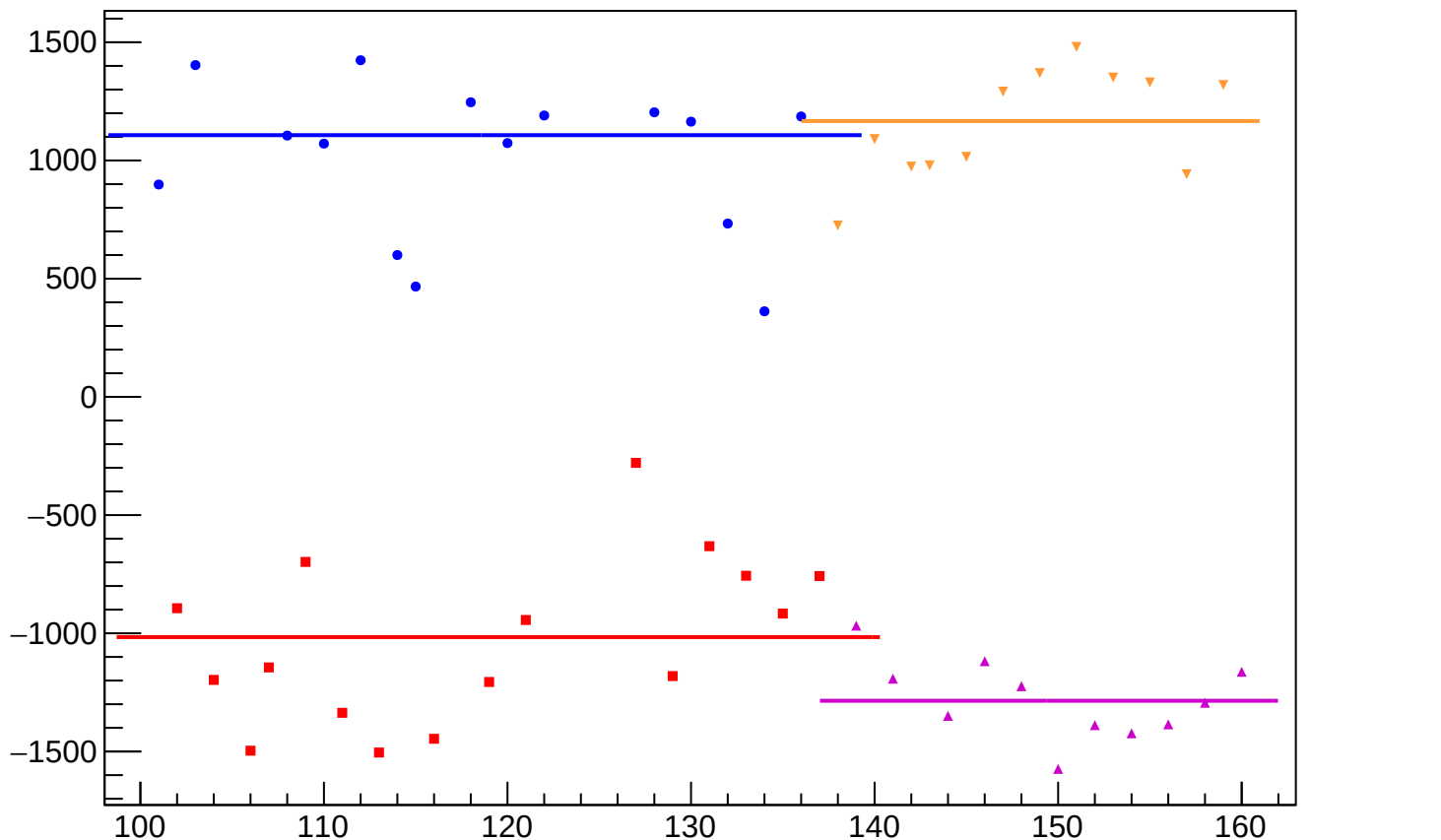
Right: 4.320+/-0.000 χ^2/NDF : 18500756430901072

In: -28.577+/-0.000 χ^2/NDF : 26312198647459661

Out: 33.204+/-0.000 χ^2/NDF : 25496298495933120

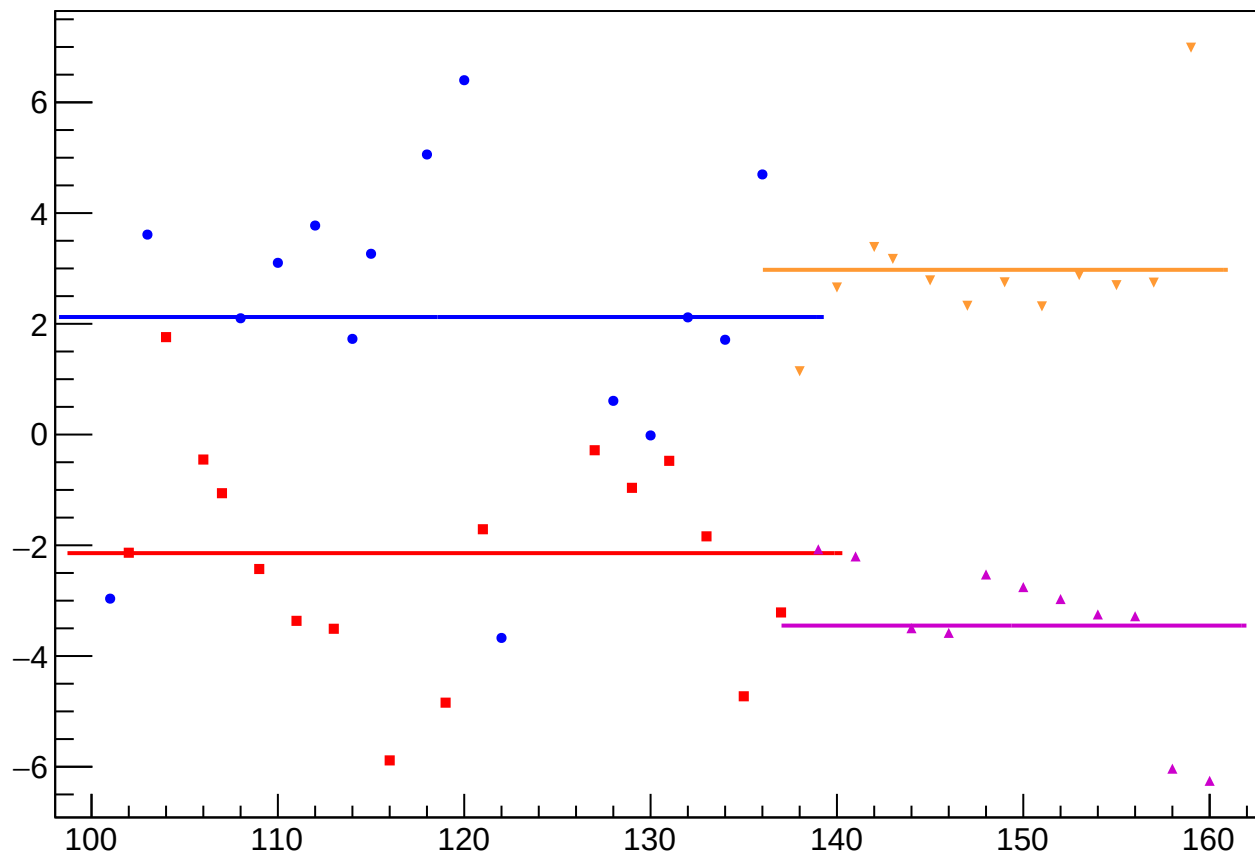
All: 2.392+/-0.000 χ^2/NDF : 54818097492999

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



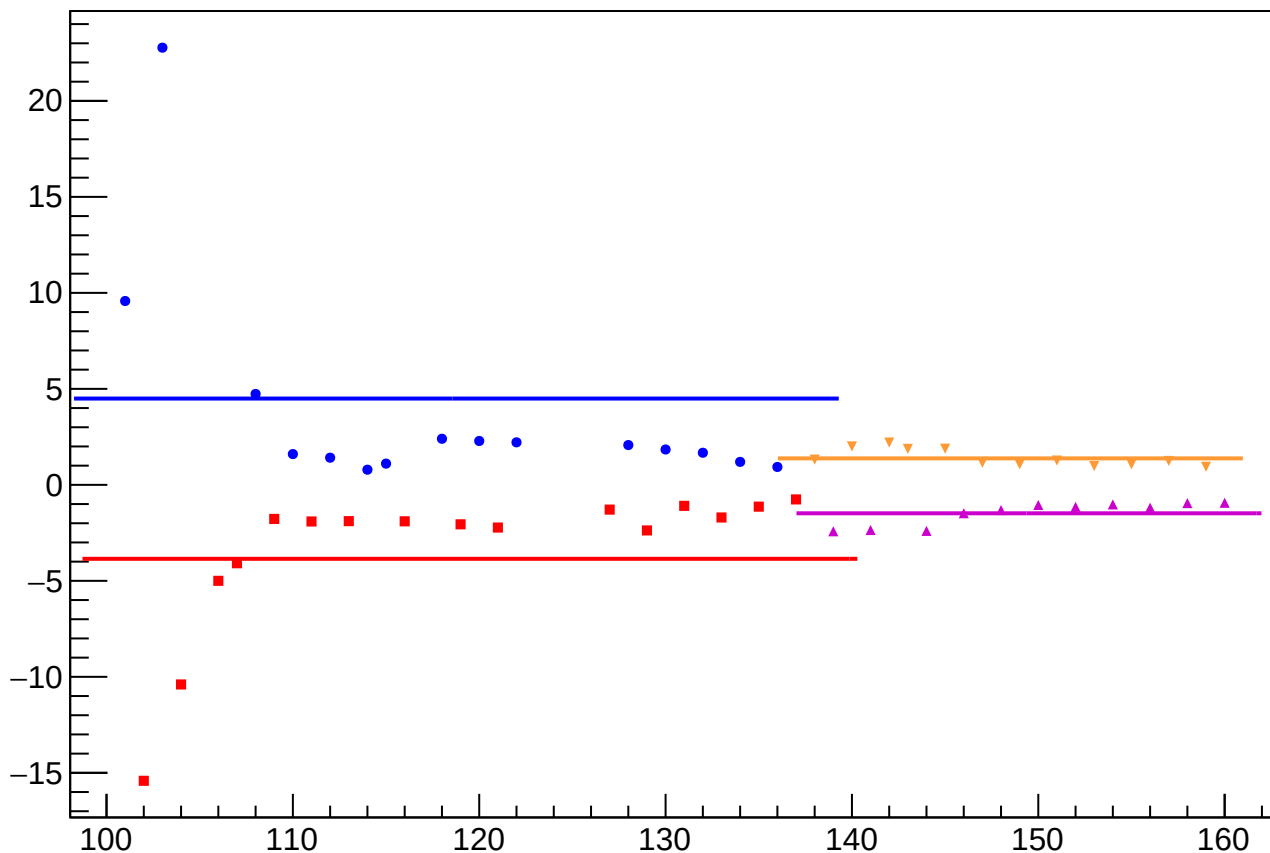
Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_4aX_coil6_mean vs Slug, Sign Corrected



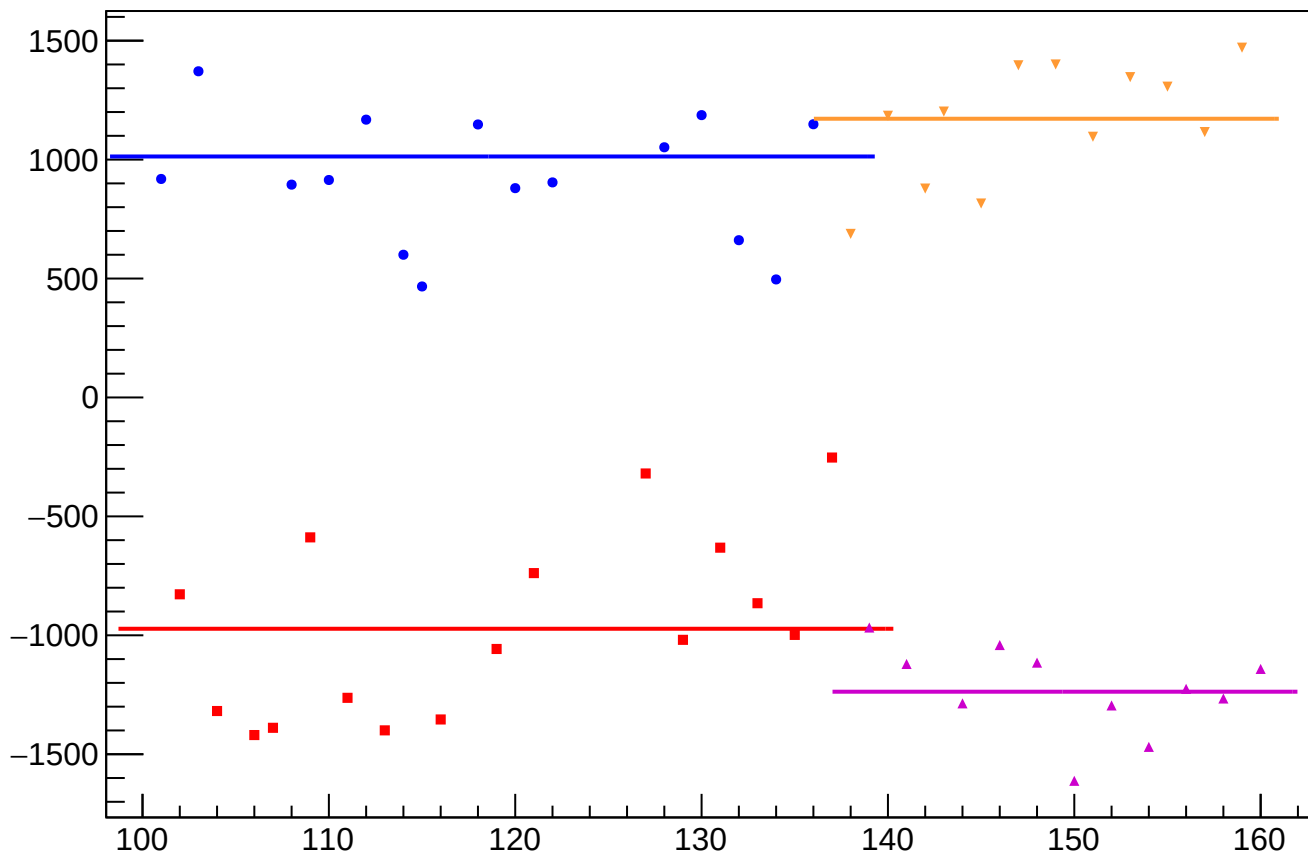
Right In: 2.123 ± 0.000 $\chi^2/\text{NDF}: 5263705922821075971022013849403392.0/14$
 Left Out: 2.975 ± 0.000 $\chi^2/\text{NDF}: 1653073452461549310648226194391040.0/11$
 Right Out: -2.142 ± 0.000 $\chi^2/\text{NDF}: 2472949940993672466161692257026048.0/15$
 Left In: -3.450 ± 0.000 $\chi^2/\text{NDF}: 1551935058842125730993767819771904.0/10$
 All: -0.165 ± 0.000 $\chi^2/\text{NDF}: 3593171973560$

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



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

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

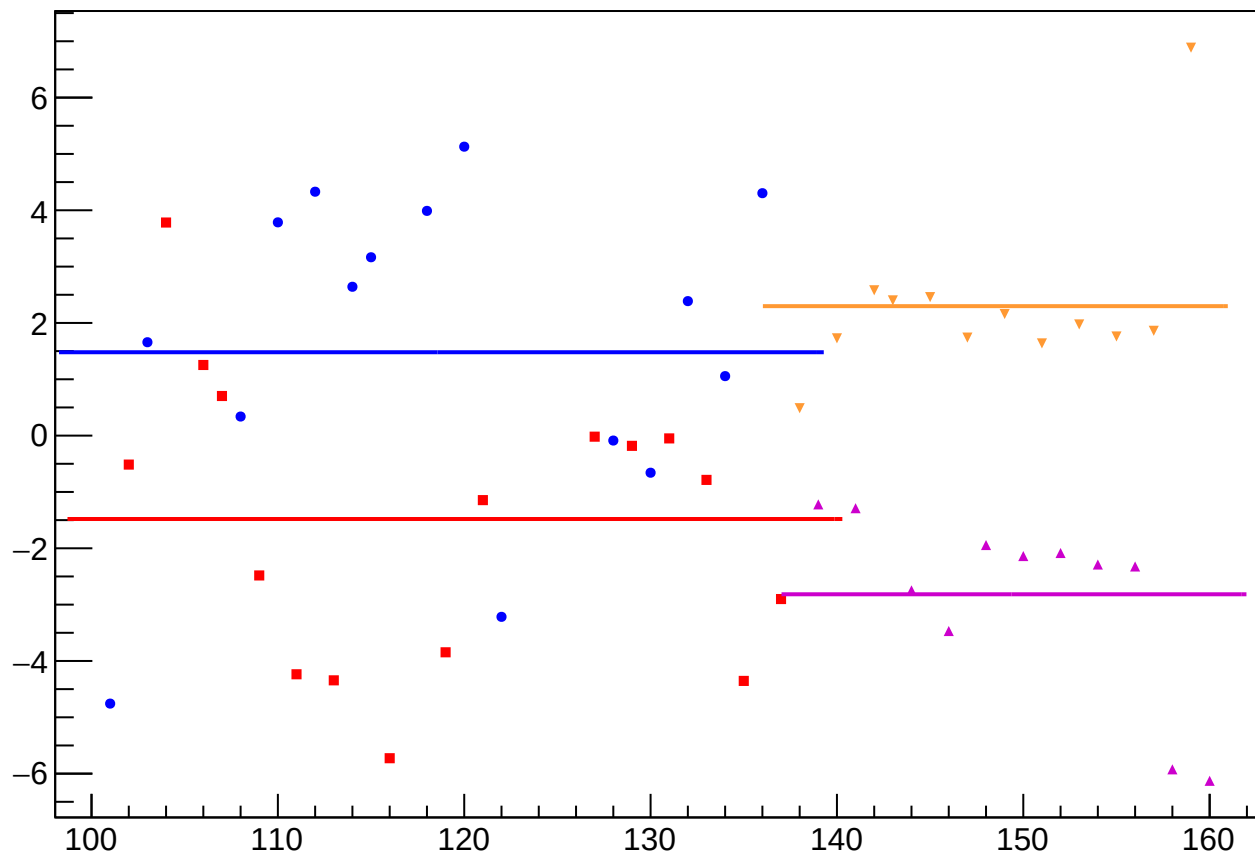
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

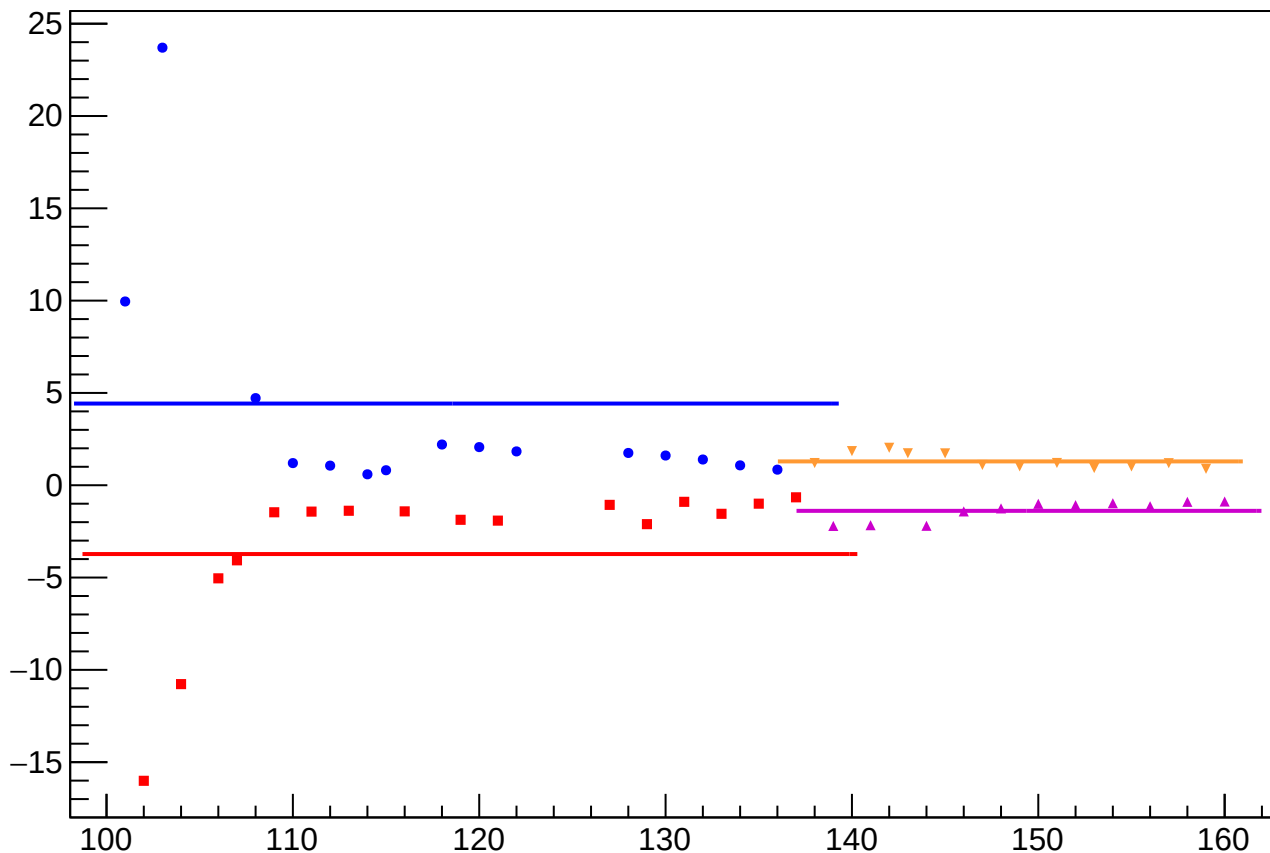
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eX_coil6_mean vs Slug, Sign Corrected



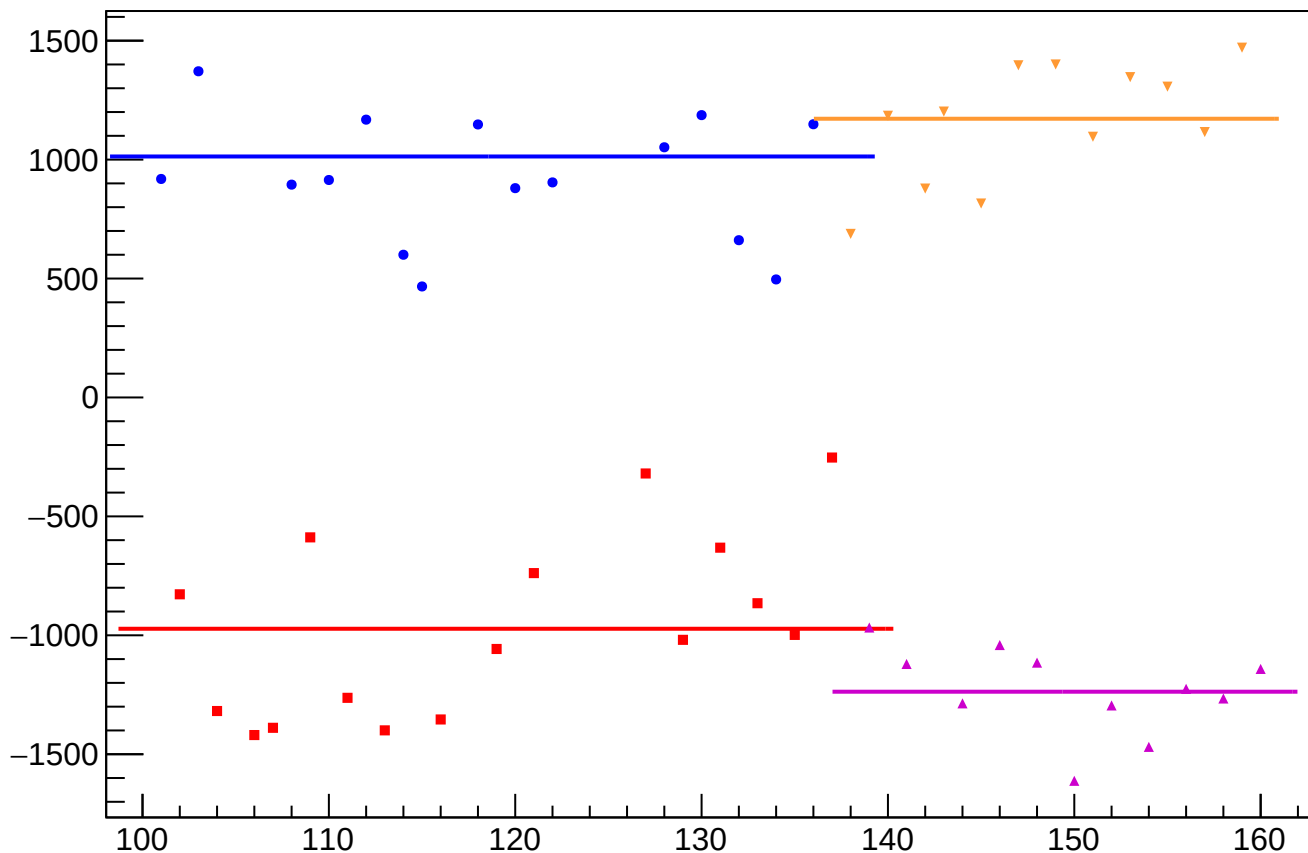
Right In: 1.480 ± 0.000 $\chi^2/\text{NDF}: 5799670695902784459055767987683328.0/14$
 Left Out: 2.298 ± 0.000 $\chi^2/\text{NDF}: 2079870991739780462593334803693568.0/11$
 Right Out: -1.480 ± 0.000 $\chi^2/\text{NDF}: 4092645800613765572662987820367872.0/15$
 Left In: -2.816 ± 0.000 $\chi^2/\text{NDF}: 2230790234579581781884760219451392.0/10$
 All: -0.168 ± 0.000 $\chi^2/\text{NDF}: 2915247501265$

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



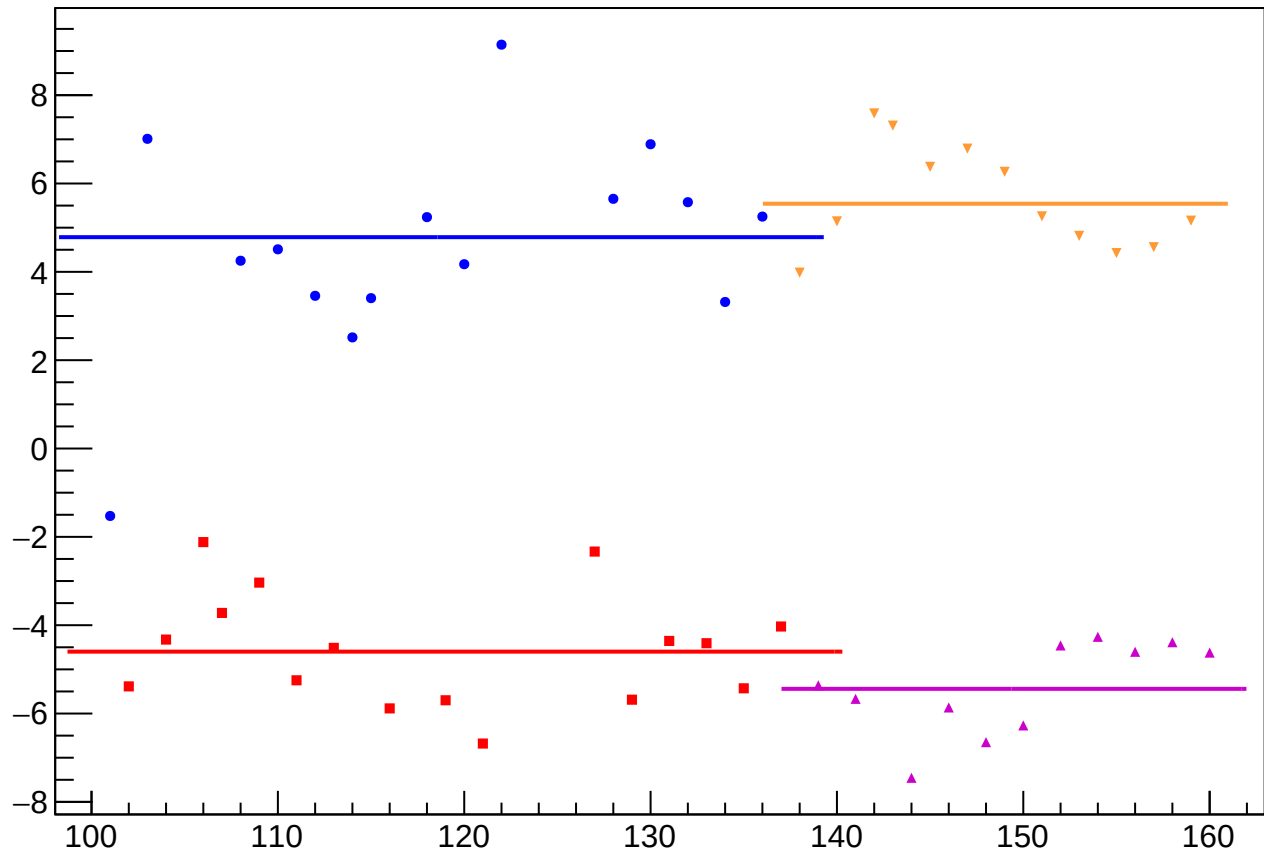
Right In: 4.424 ± 0.000 χ^2/NDF : 28257459272876210608839830473277440.0/14
 Left Out: 1.291 ± 0.000 χ^2/NDF : 119201725618452190917490324275200.0/11
 Right Out: -3.727 ± 0.000 χ^2/NDF : 13991816814749842519794284853460992.0/15
 Left In: -1.387 ± 0.000 χ^2/NDF : 245381205913734368947829561360384.0/10
 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

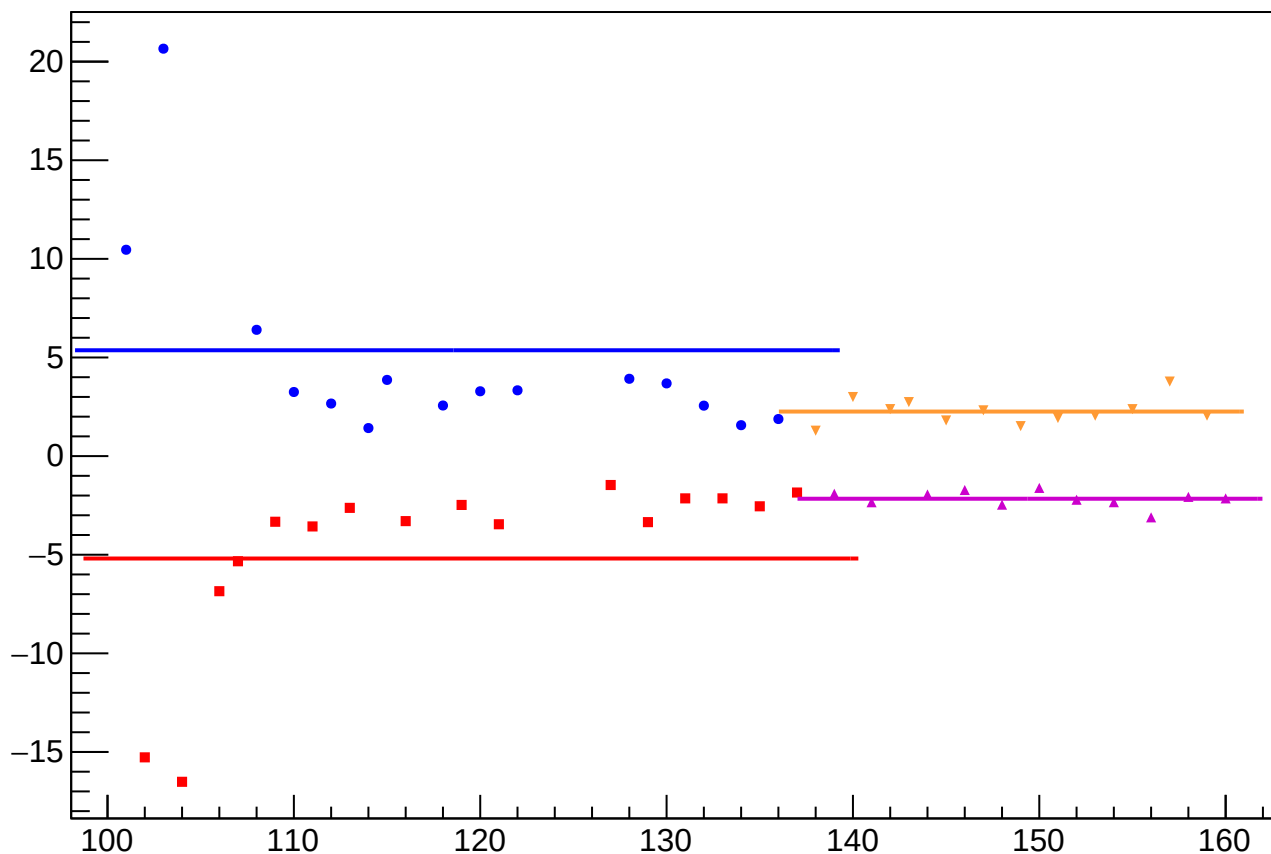
χ^2/NDF : 989607156792948633247632779640832.0/15

Left In: -5.441+/-0.000

χ^2/NDF : 969147874620390855399339032838144.0/10

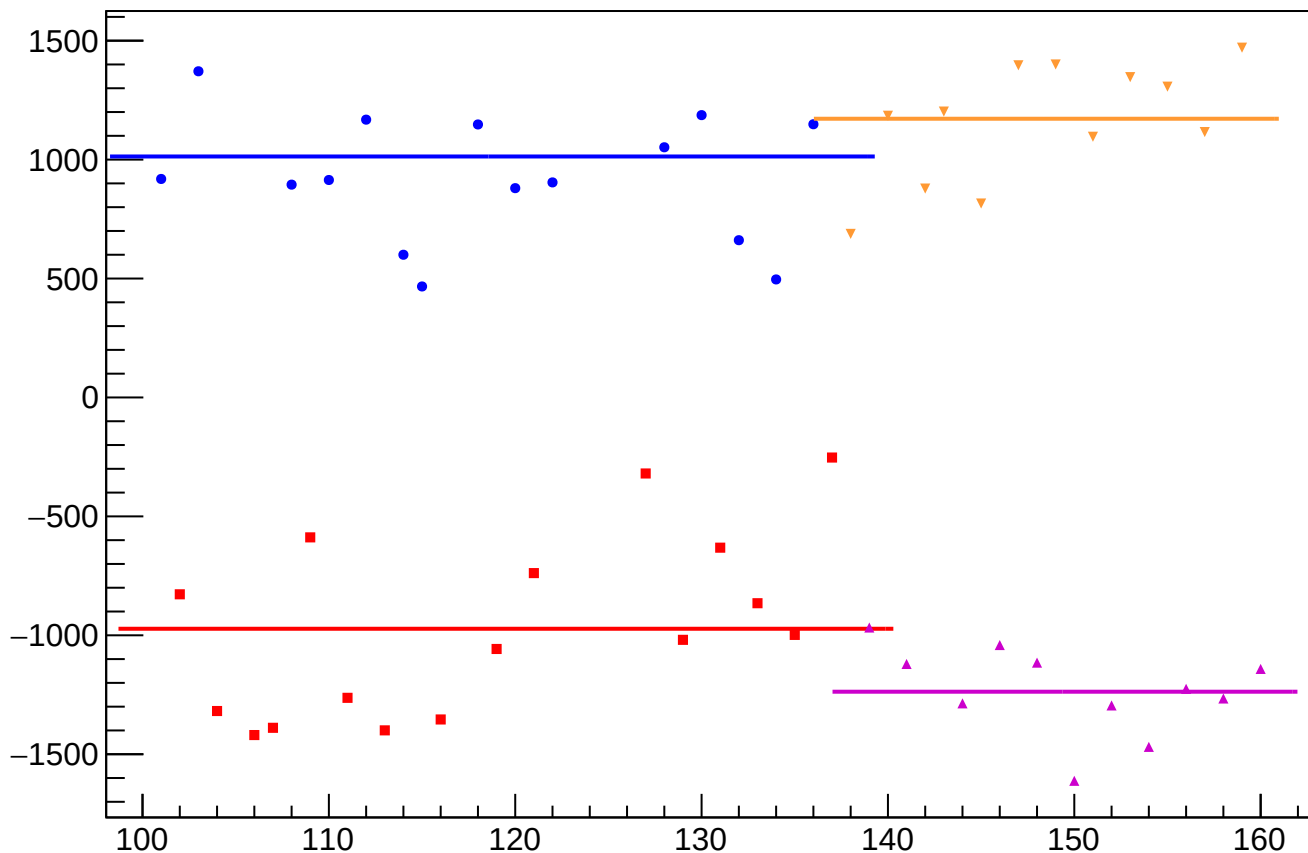
Left: 0.021+/-0.000 χ^2/NDF : 574569475069085613.0/10
 Right: 0.029+/-0.000 χ^2/NDF : 33948566568426742.0/10
 In: -1.222+/-0.000 χ^2/NDF : 448312824685683470.0/10
 Out: 1.264+/-0.000 χ^2/NDF : 417024451094656984.0/10
 All: 0.024+/-0.000 χ^2/NDF : 91405570612349.0/10

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

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

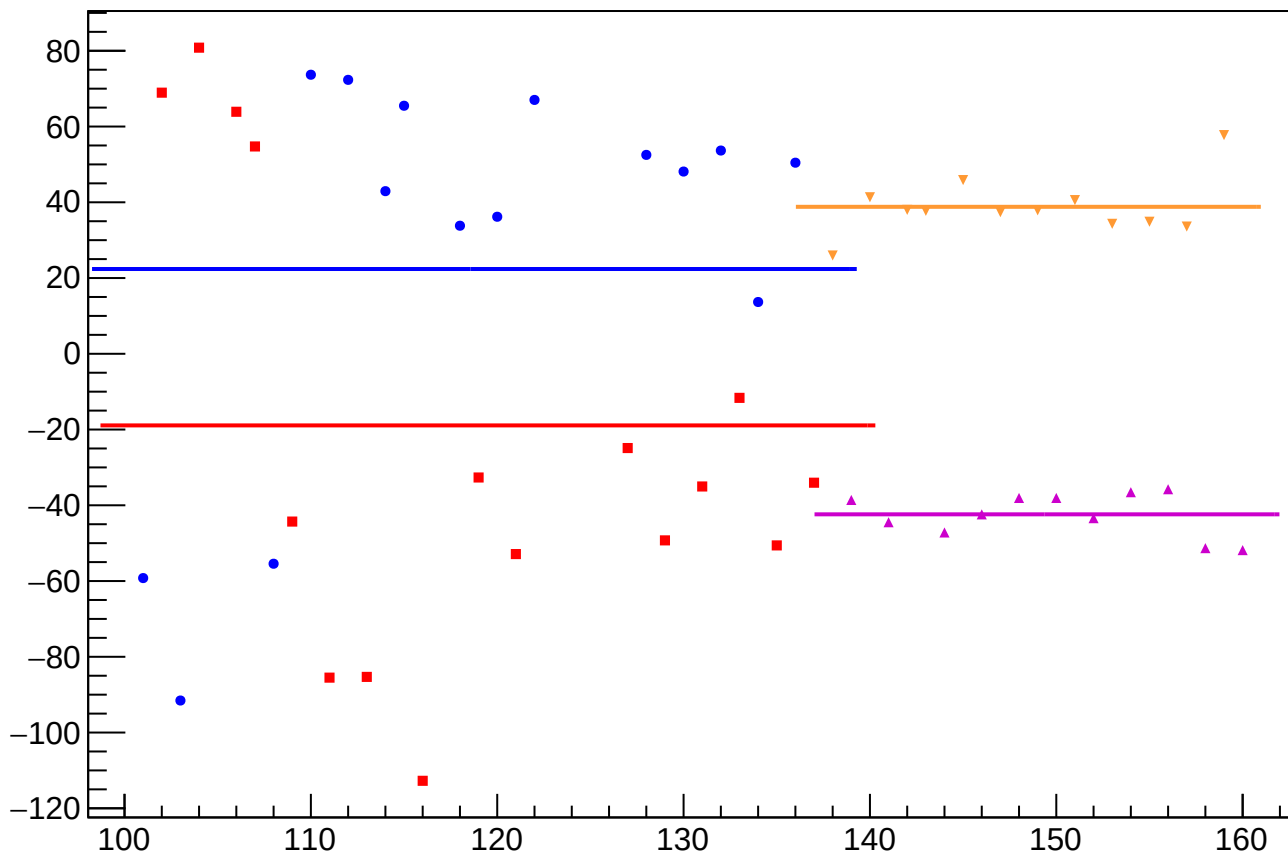
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

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_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

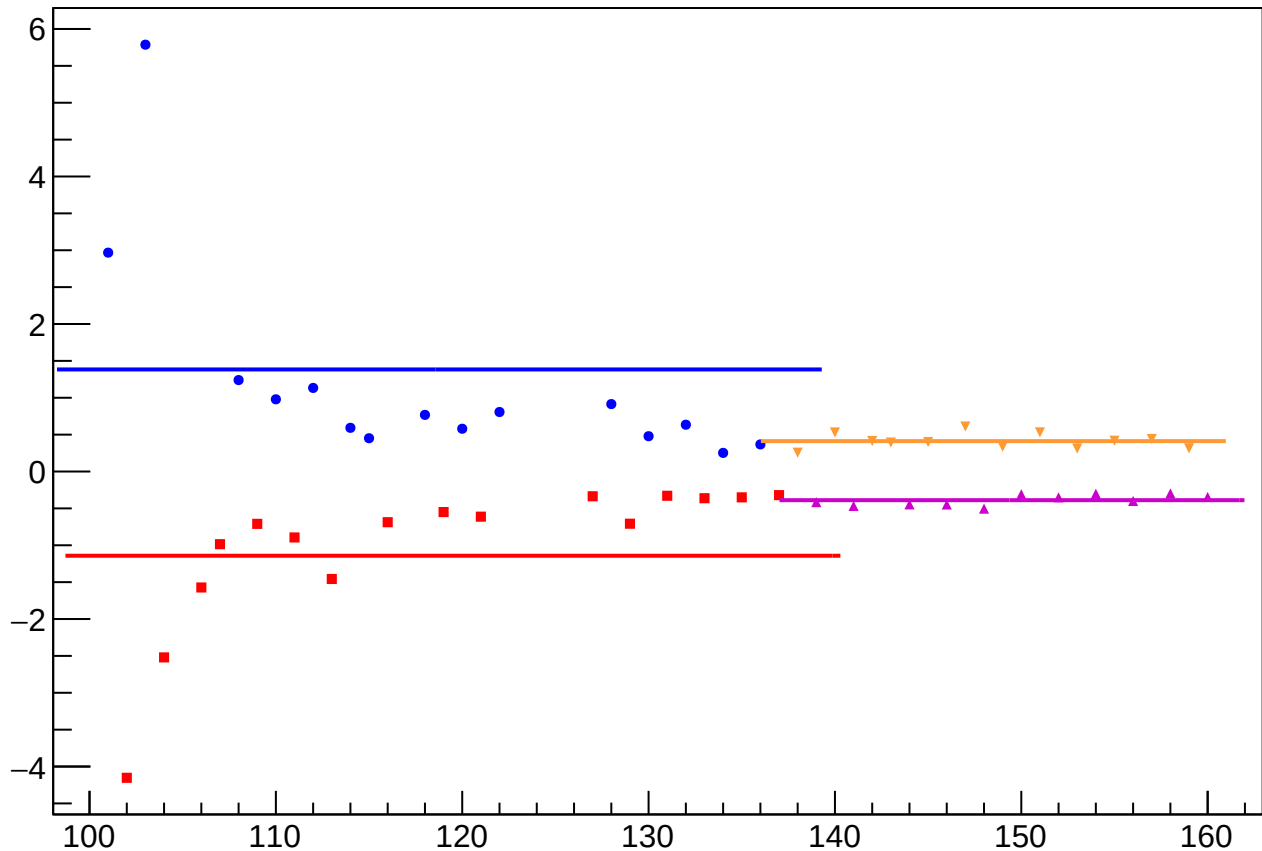
χ^2 /NDF: 2182221808408156293593993992757837824.0/15

Left In: -42.386 $\pm$ 0.000

χ^2 /NDF: 26555660128562986553016927486214144.0/10

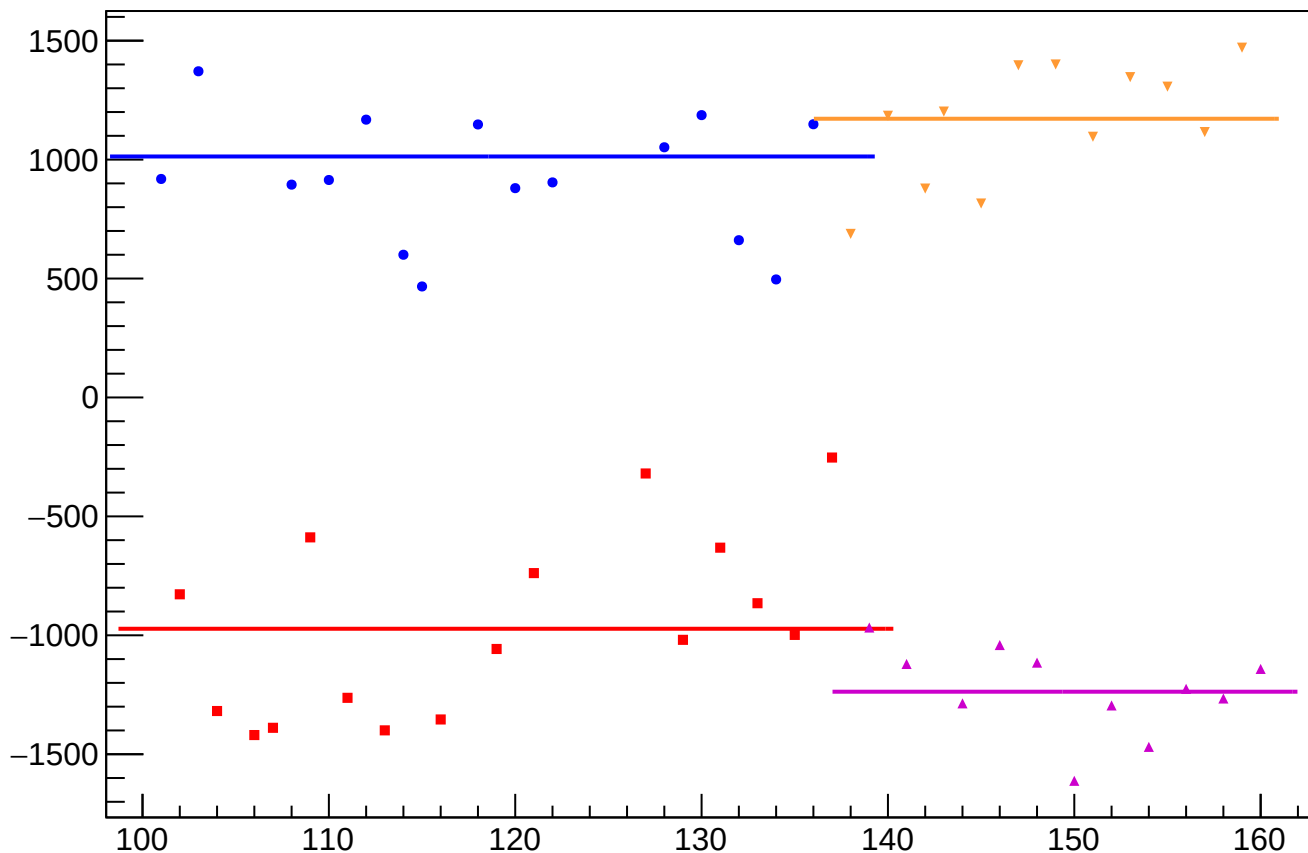
All: -0.564 $\pm$ 0.000 χ^2 /NDF: 7781760585963

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



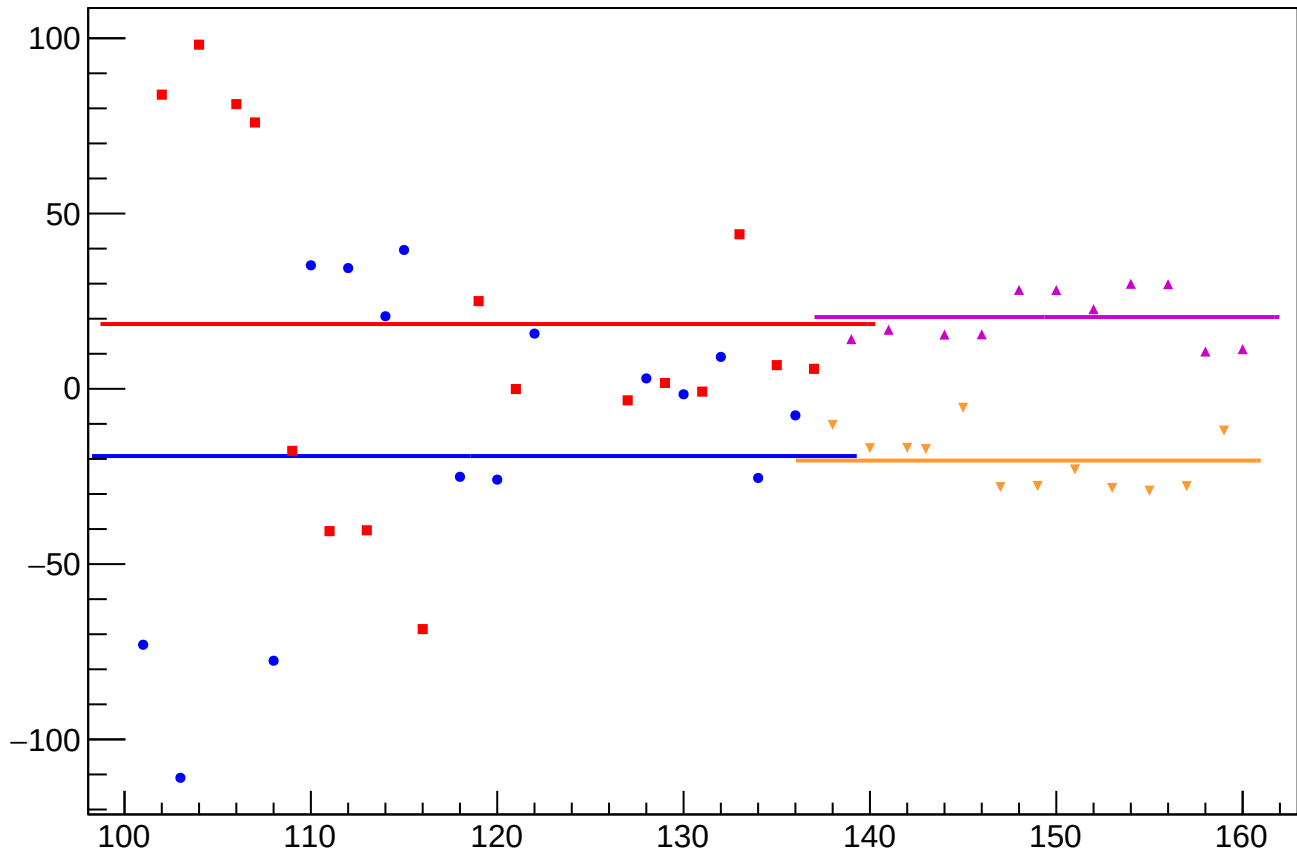
Left: 0.010 +/- 0.000 χ^2/NDF : 308495296516211564
 Right In: 1.384 +/- 0.000 χ^2/NDF : 1571159324102064120487940936695808.0/14
 Right: 0.104 +/- 0.000 χ^2/NDF : 44802957007729023
 Left Out: 0.412 +/- 0.000 χ^2/NDF : 9382414275472018674983467220992.0/11
 In: 0.343 +/- 0.000 χ^2/NDF : 2773530065340727089
 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

χ^2/NDF : 1246364705689764961102868160463241216.0/14

Left Out: -20.466+/-0.000

χ^2/NDF : 58628381923673457294433589512896512.0/11

Right Out: 18.479+/-0.000

χ^2/NDF : 1489398115046175180640331393369374720.0/15

Left In: 20.473+/-0.000

χ^2/NDF : 48484953363349820110348478937300992.0/10

Left: 0.115+/-0.000 χ^2/NDF : 877202582639736103

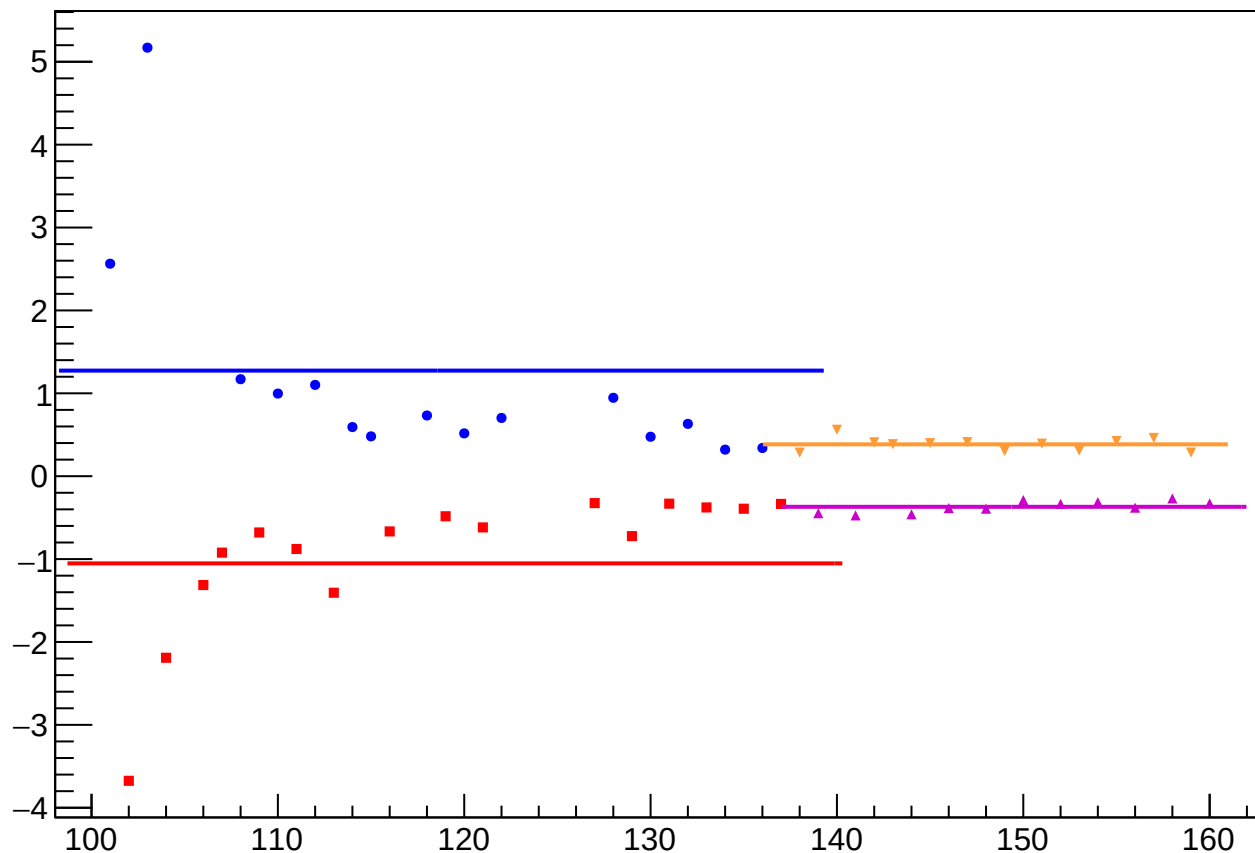
Right: -0.091+/-0.000 χ^2/NDF : 3202145485356183

In: 4.115+/-0.000 χ^2/NDF : 189413859306817838

Out: -4.035+/-0.000 χ^2/NDF : 21328659955407988

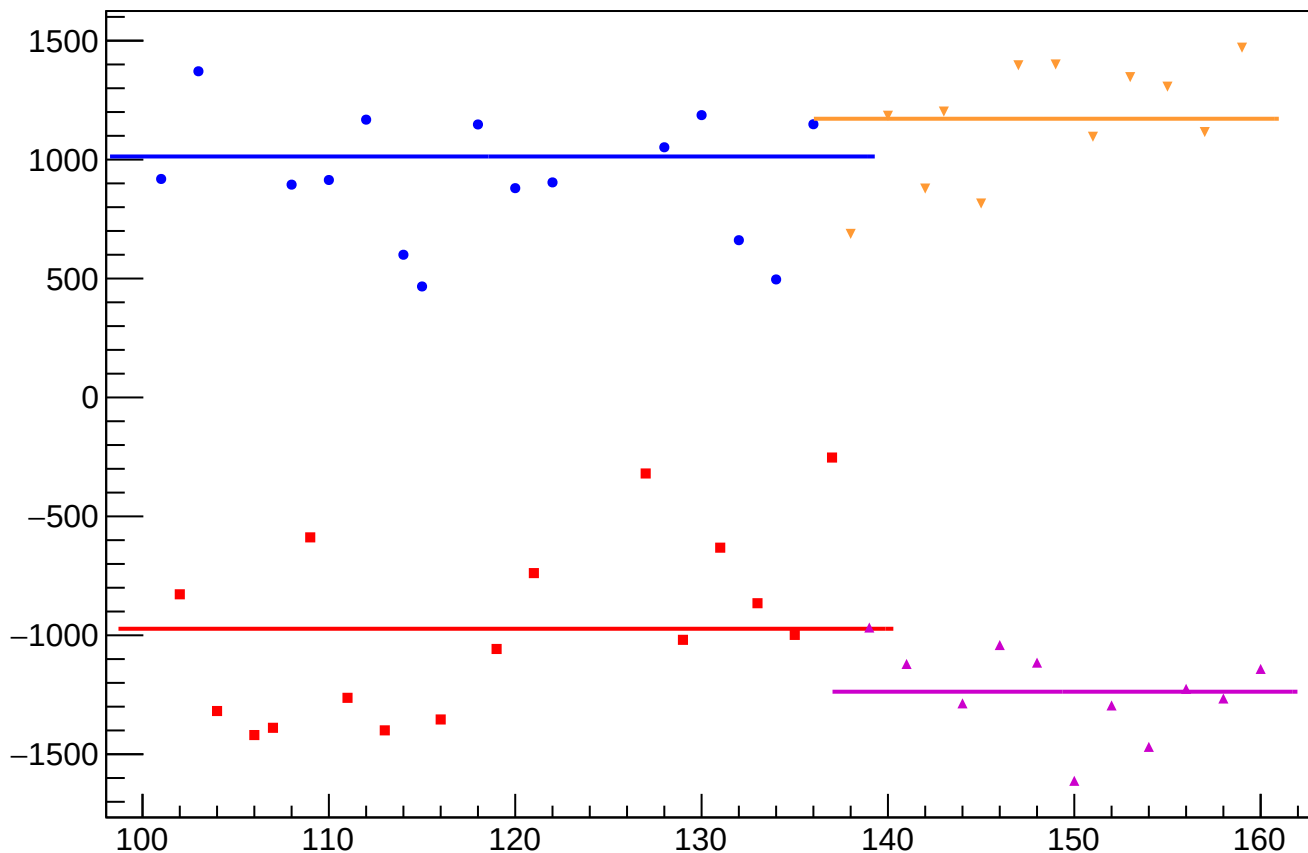
All: 0.029+/-0.000 χ^2/NDF : 40793804983027

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

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

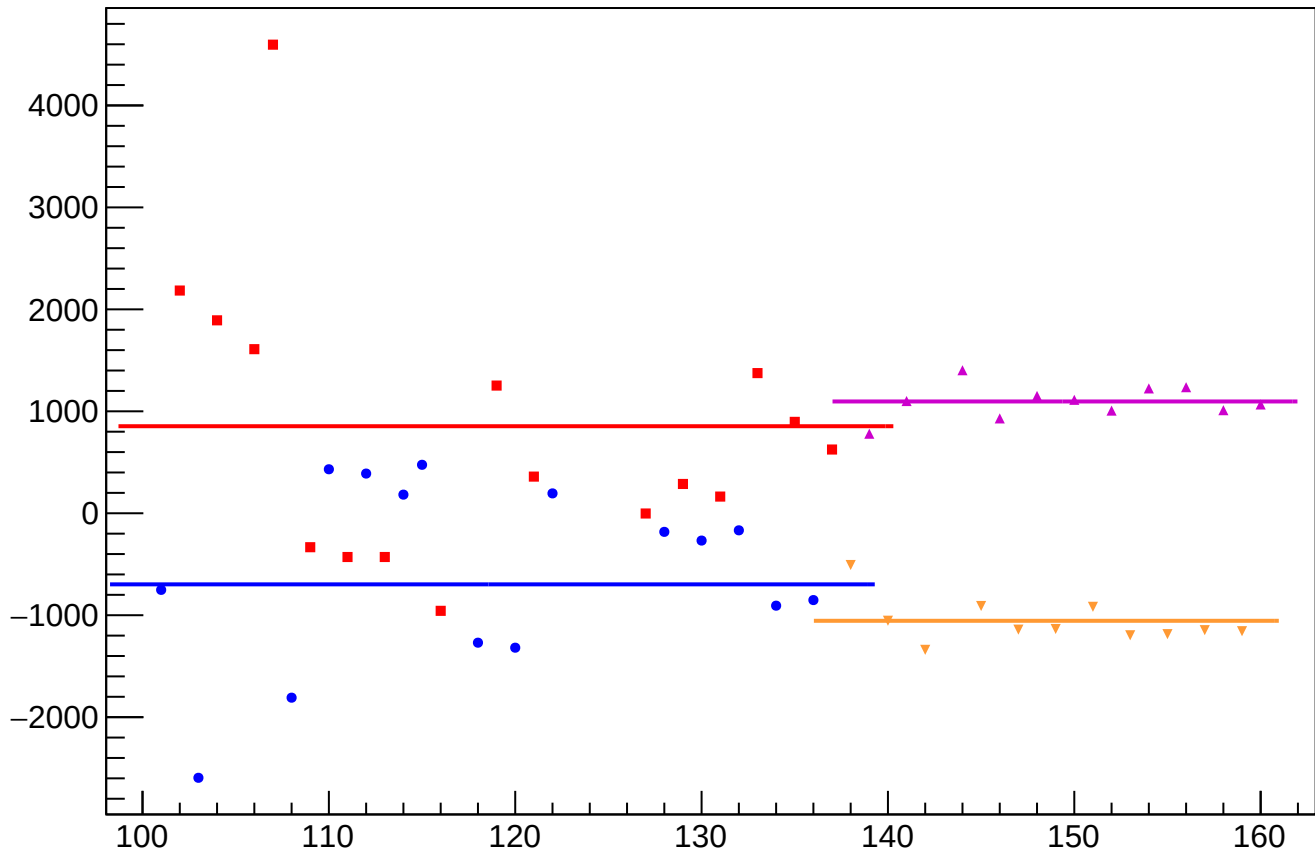
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1054.675+/-0.000

χ^2/NDF : 35893414561751289831028004535805149184.0/10

Right Out: 853.734+/-0.000

χ^2/NDF : 1078379020126412317155932275156201766912.0/15

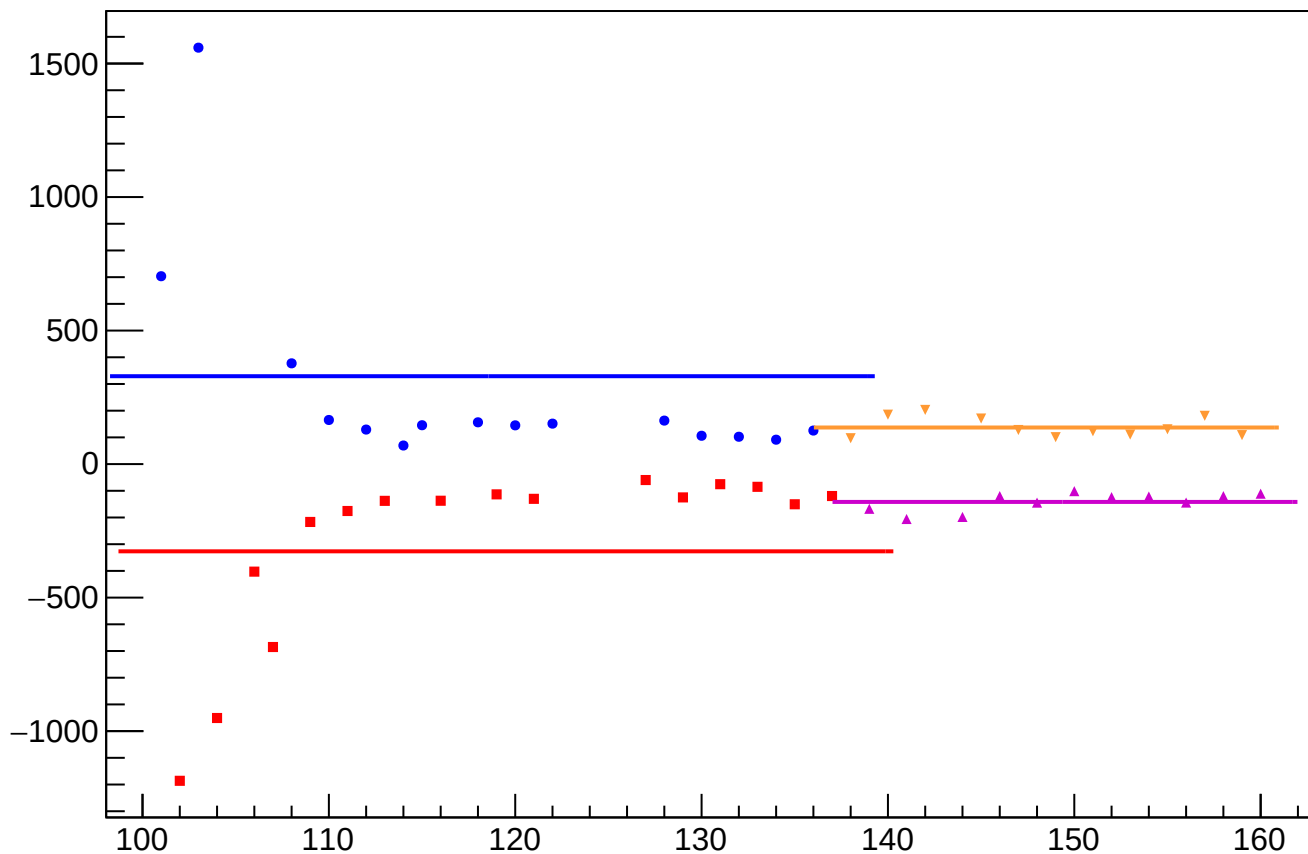
Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

All: 76.698+/-0.000

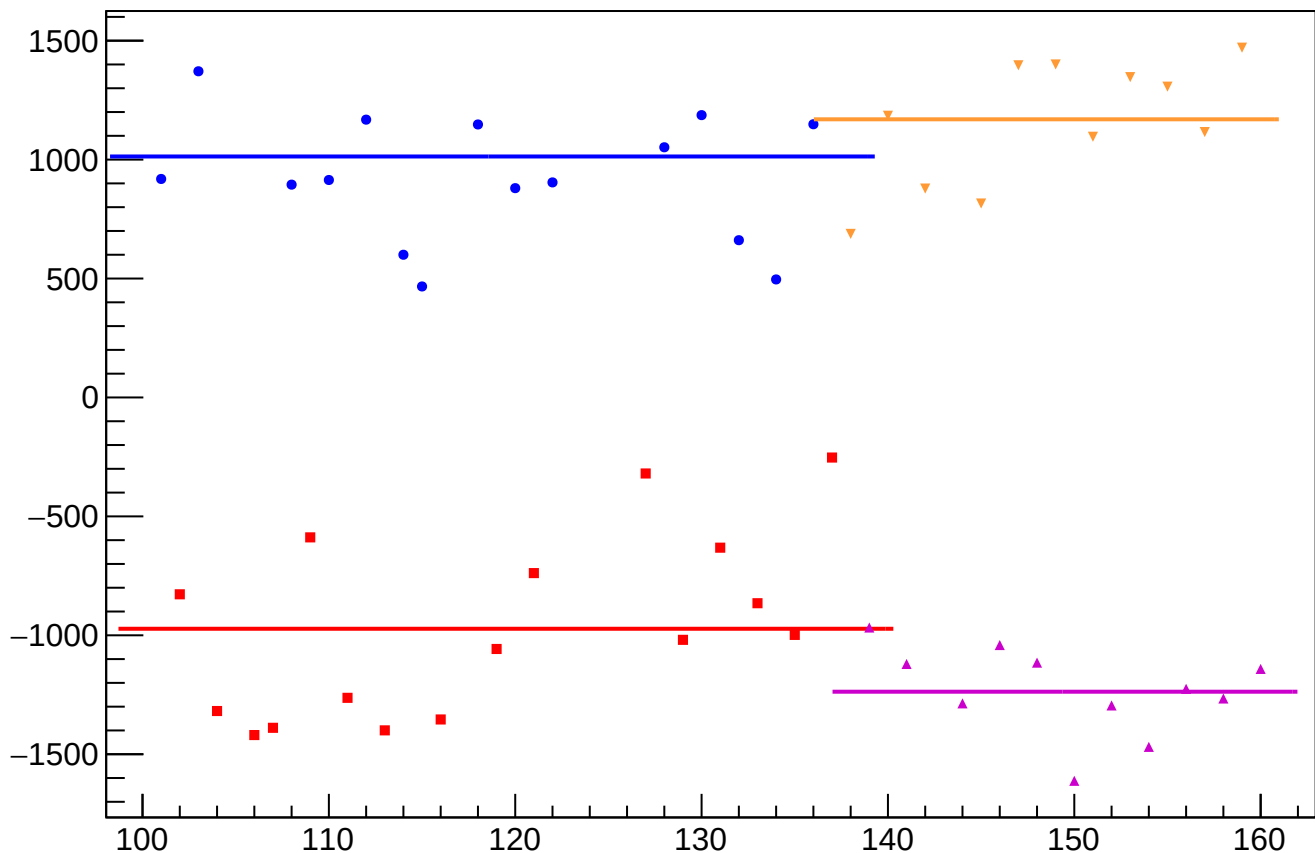
χ^2/NDF : 4464746513505

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 329.108 +/- 0.000 χ^2/NDF : 116863820700538623524207945698672377856.0/14
 Left Out: 137.012 +/- 0.000 χ^2/NDF : 1014362817438194132709655172622581760.0/10
 Right Out: -326.695 +/- 0.000 χ^2/NDF : 87569123354318020688611028415151079424.0/15
 Left In: -141.688 +/- 0.000 χ^2/NDF : 1044882408057849194081424130600599552.0/10
 All: -6.215 +/- 0.000 χ^2/NDF : 3823059515642

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1169.420+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52359058528484212152975817930553950208.0/10

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -86.182+/-0.000 χ^2/NDF : 2642058453366472

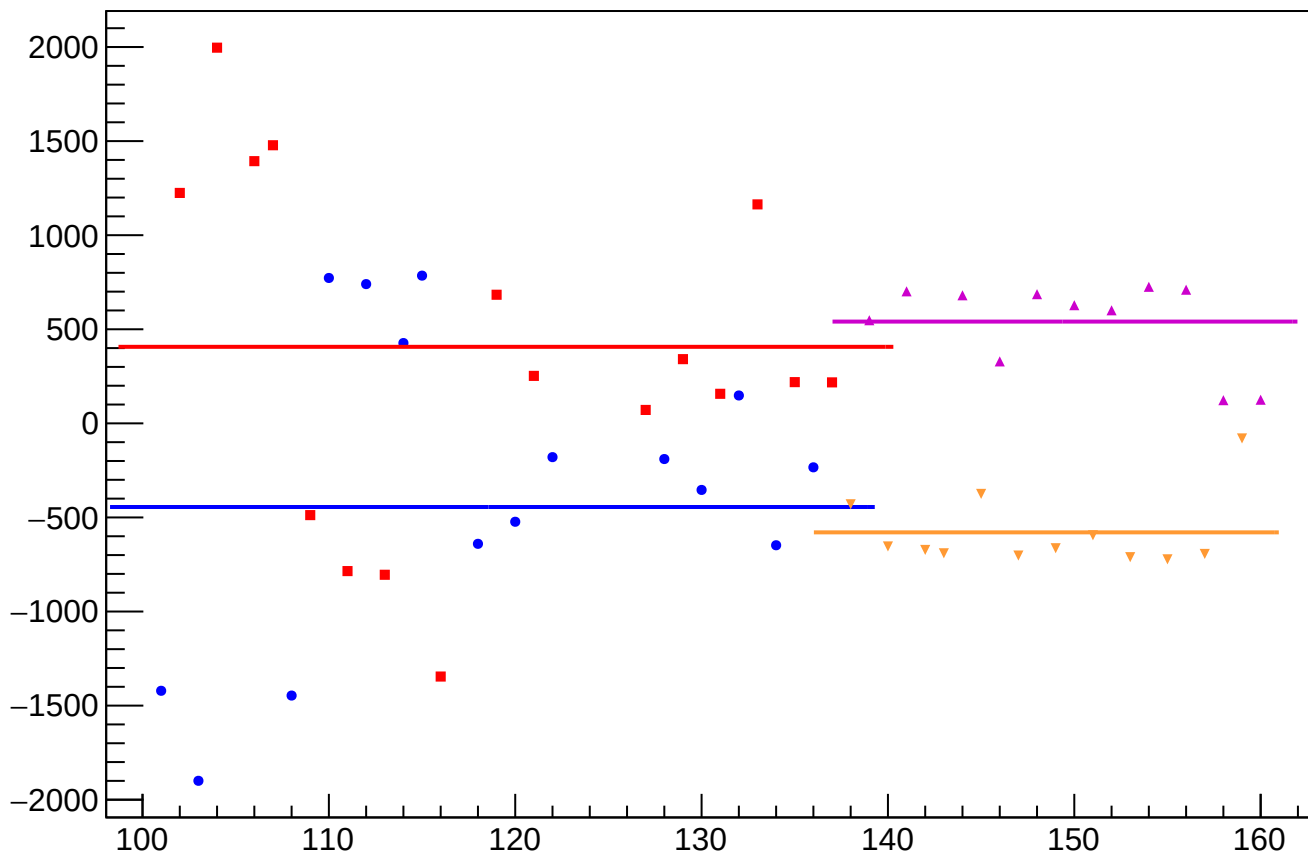
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 225.803+/-0.000 χ^2/NDF : 1843132897386969

All: -46.560+/-0.000 χ^2/NDF : 405607578172

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left: -16.168+/-0.000 χ^2/NDF : 6517518654293770

Right: -13.070+/-0.000 χ^2/NDF : 116395703795034

Left Out: -579.272+/-0.000

χ^2/NDF : 32584581524528860941595597407042666496.0/11

In: 134.297+/-0.000 χ^2/NDF : 80929743970512617

Right Out: 406.729+/-0.000

χ^2/NDF : 529122421866774810012941782239129108480.0/15

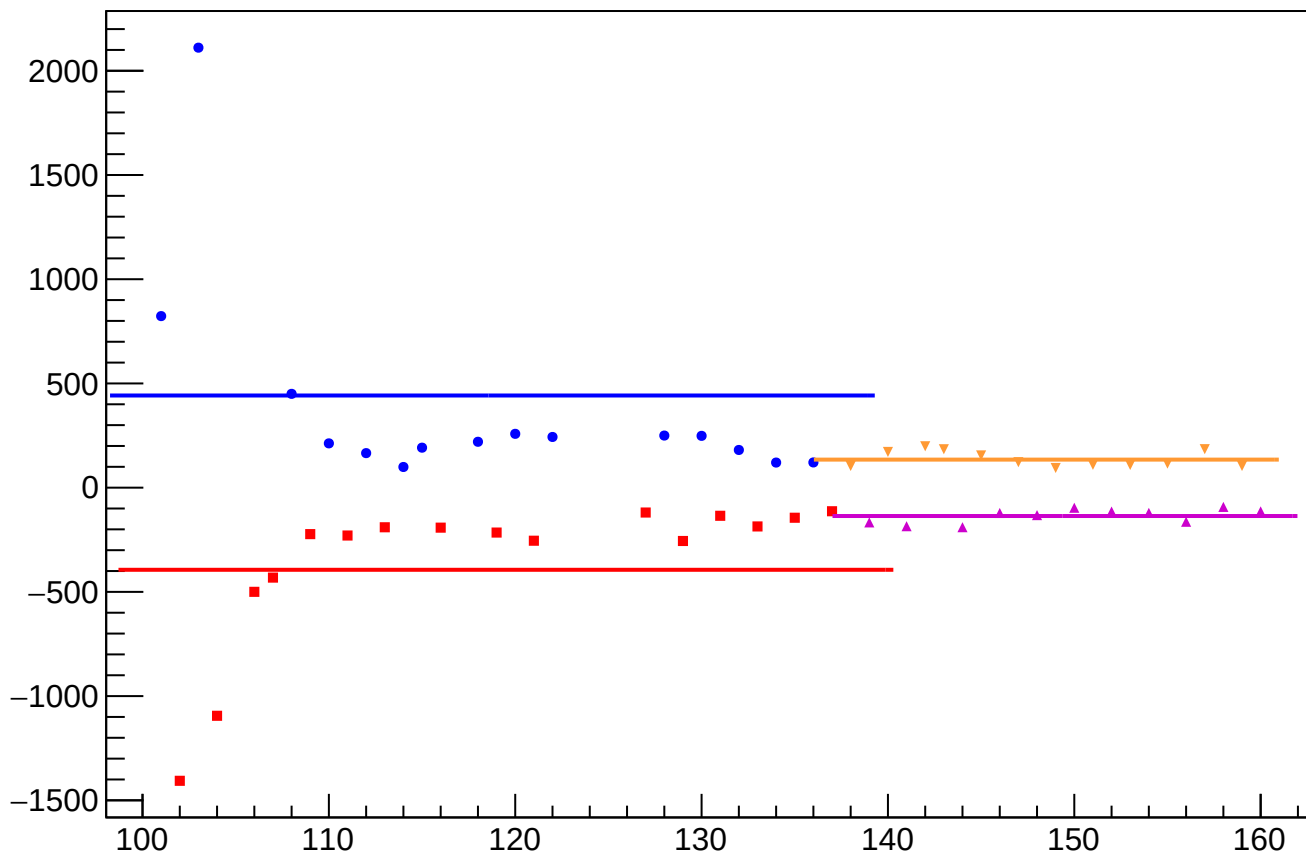
Out: -163.293+/-0.000 χ^2/NDF : 936589740364006

Left In: 540.842+/-0.000

χ^2/NDF : 42670193317497817911030367466366697472.0/10

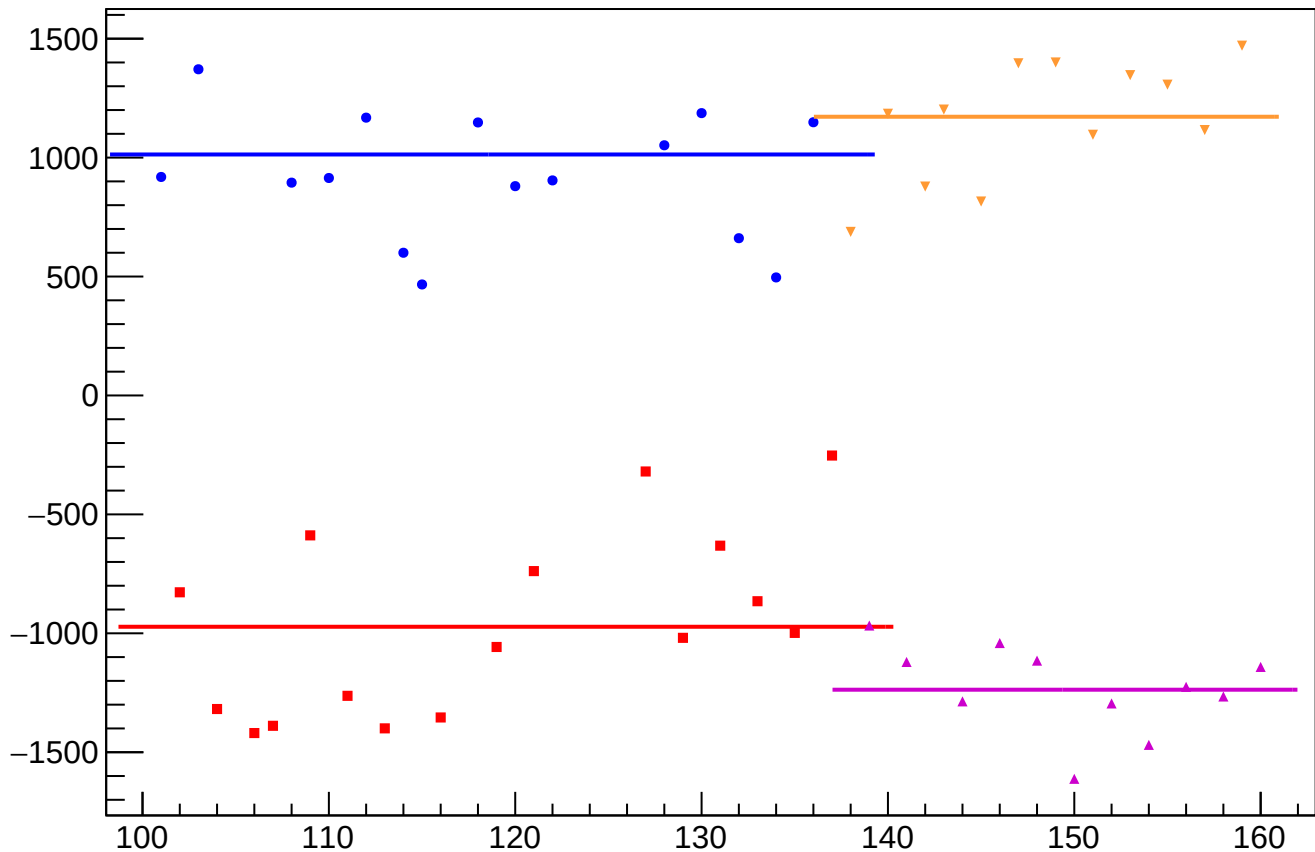
All: -14.875+/-0.000 χ^2/NDF : 181571626575

dit_usr_coil6_err_mean vs Slug, Sign Corrected



Right In: 442.162 $\pm$ 0.000 χ^2 /NDF: 204015999343694089140945697316947361792.0/14
 Left Out: 134.562 $\pm$ 0.000 χ^2 /NDF: 1123122265403287497024317633834516480.0/11
 Right Out: -394.033 $\pm$ 0.000 χ^2 /NDF: 105882611624182009489804426207740035072.0/15
 Left In: -136.040 $\pm$ 0.000 χ^2 /NDF: 1011093061479650527261127450495549440.0/10
 All: 6.795 $\pm$ 0.000 χ^2 /NDF: 57598156309211

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

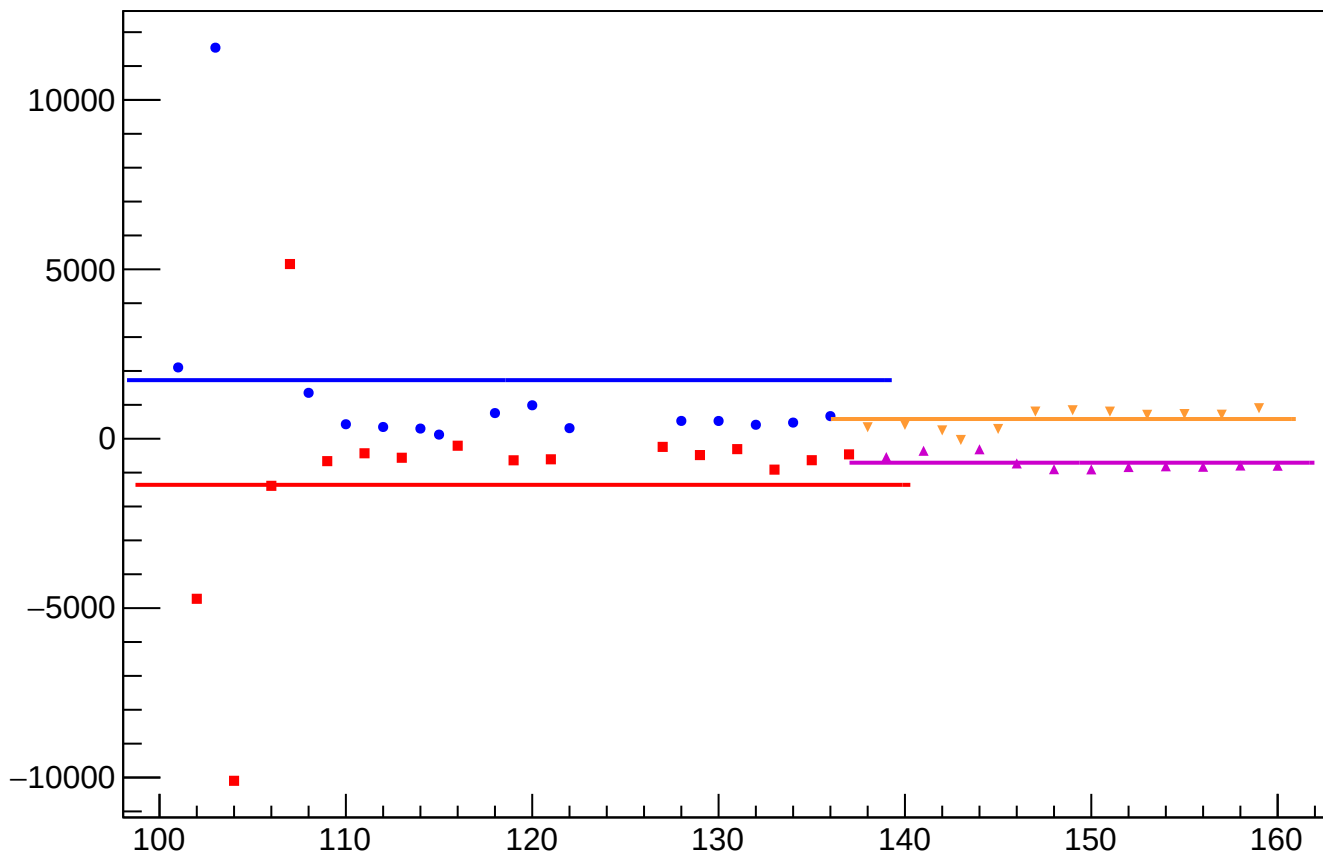
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

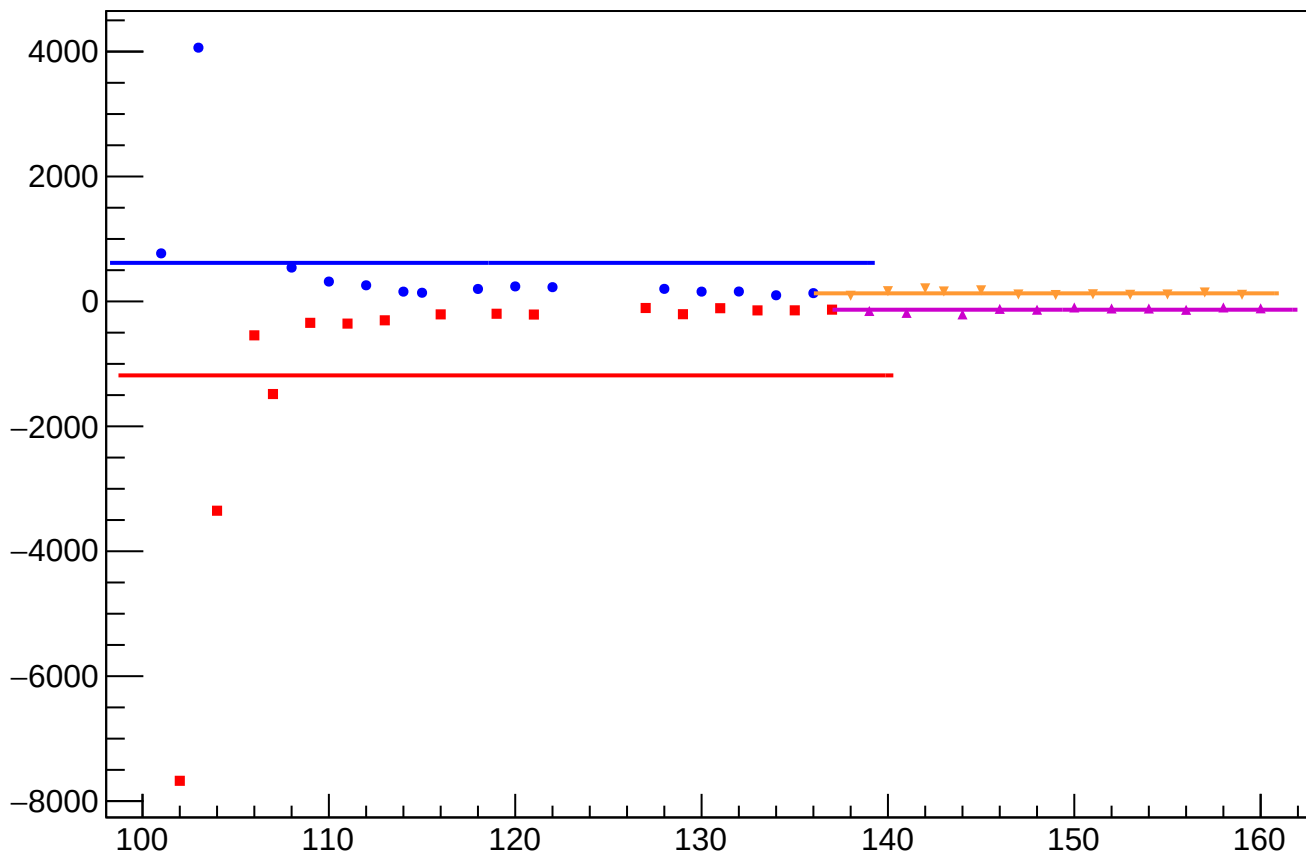
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl1_coil6_mean vs Slug, Sign Corrected



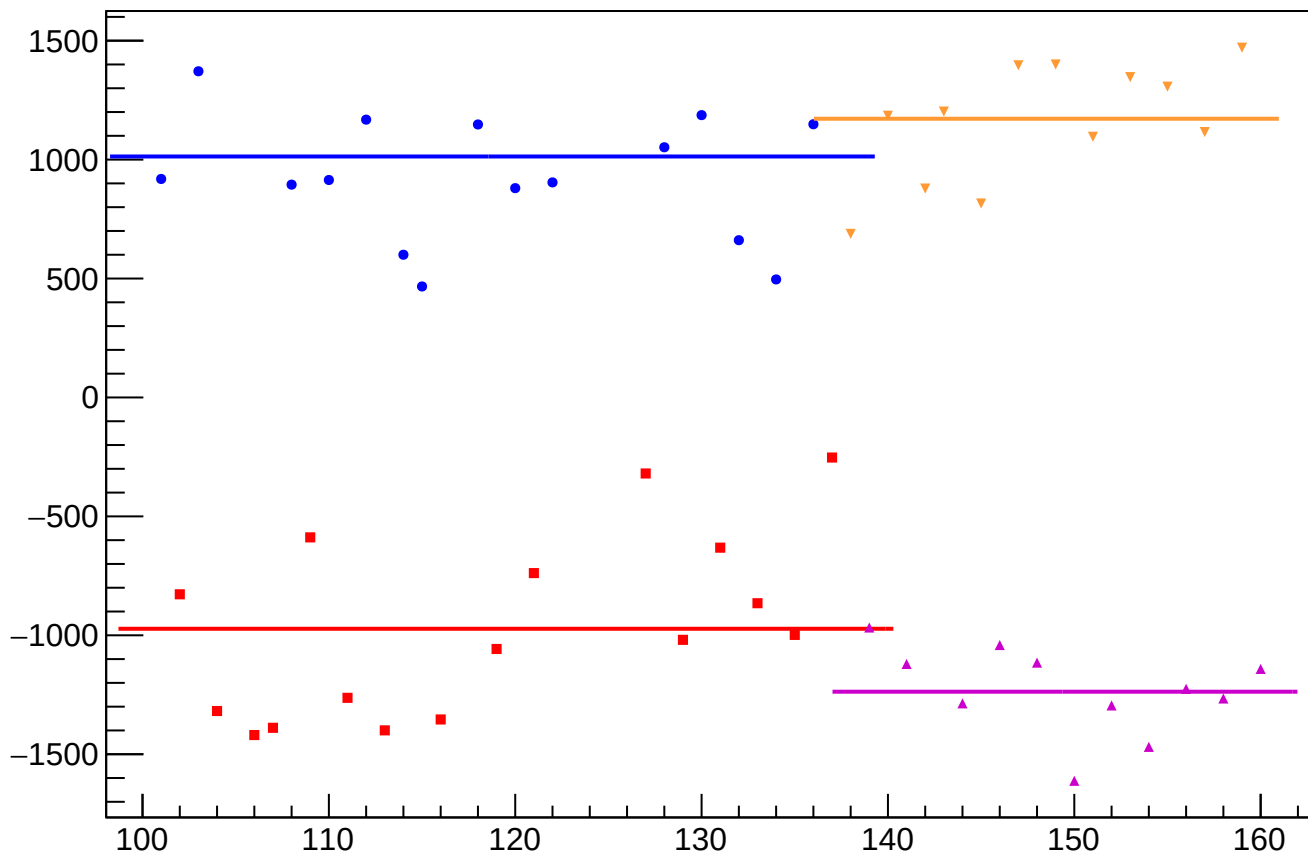
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 582.152+/-0.000 χ^2/NDF : 70083772647831486125732989768801714176.0/11
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -707.889+/-0.000 χ^2/NDF : 38116486188817980699032426002432131072.0/10
 All: 29.296+/-0.000 χ^2/NDF : 1689851779226

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



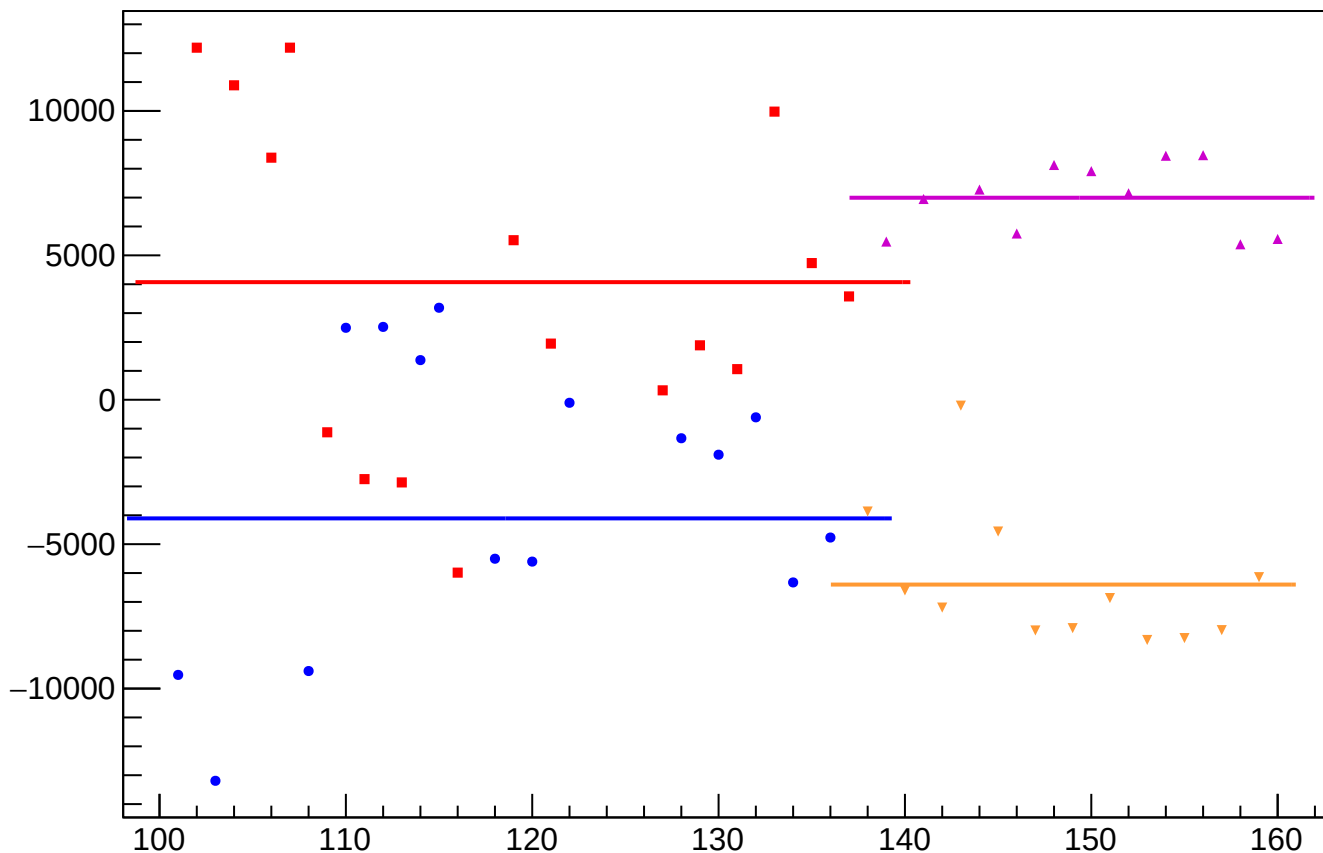
Right In: 617.343+/-0.000 χ^2/NDF : 792366012985954198345317750268755968000.0/14
 Left Out: 129.339+/-0.000 χ^2/NDF : 987271298758703212489370439899938816.0/11
 Right Out: -1184.322+/-0.000 χ^2/NDF : 3167423043121242666563535820496559931392.0/15
 Left In: -132.869+/-0.000 χ^2/NDF : 1091839085664014112201463155711279104.0/10
 All: -124.871+/-0.000 χ^2/NDF : 51271793033

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000	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_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6398.906+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4560292812943761149136938286094472970240.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 334.389+/-0.000 χ^2/NDF : 8822007925031666

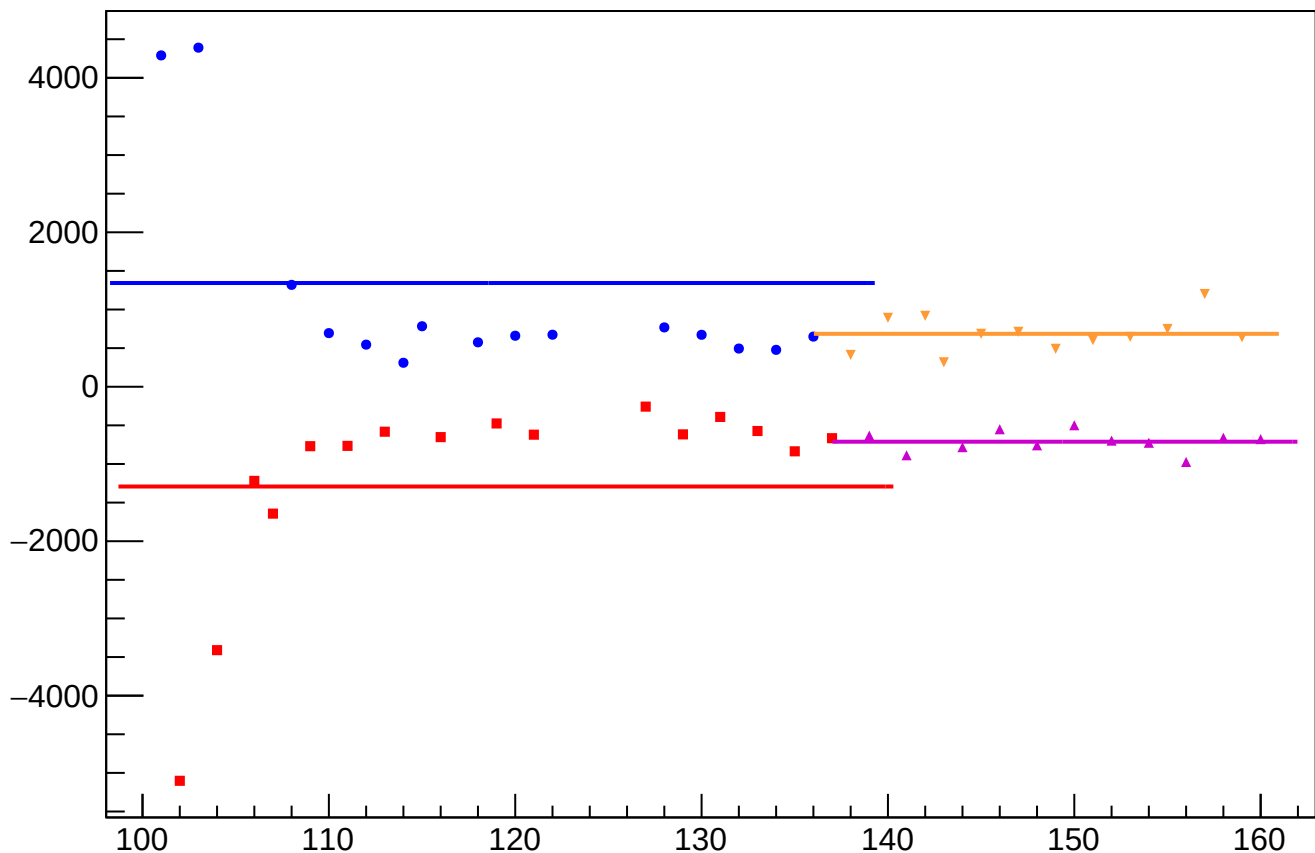
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1981.339+/-0.000 χ^2/NDF : 67205872968541

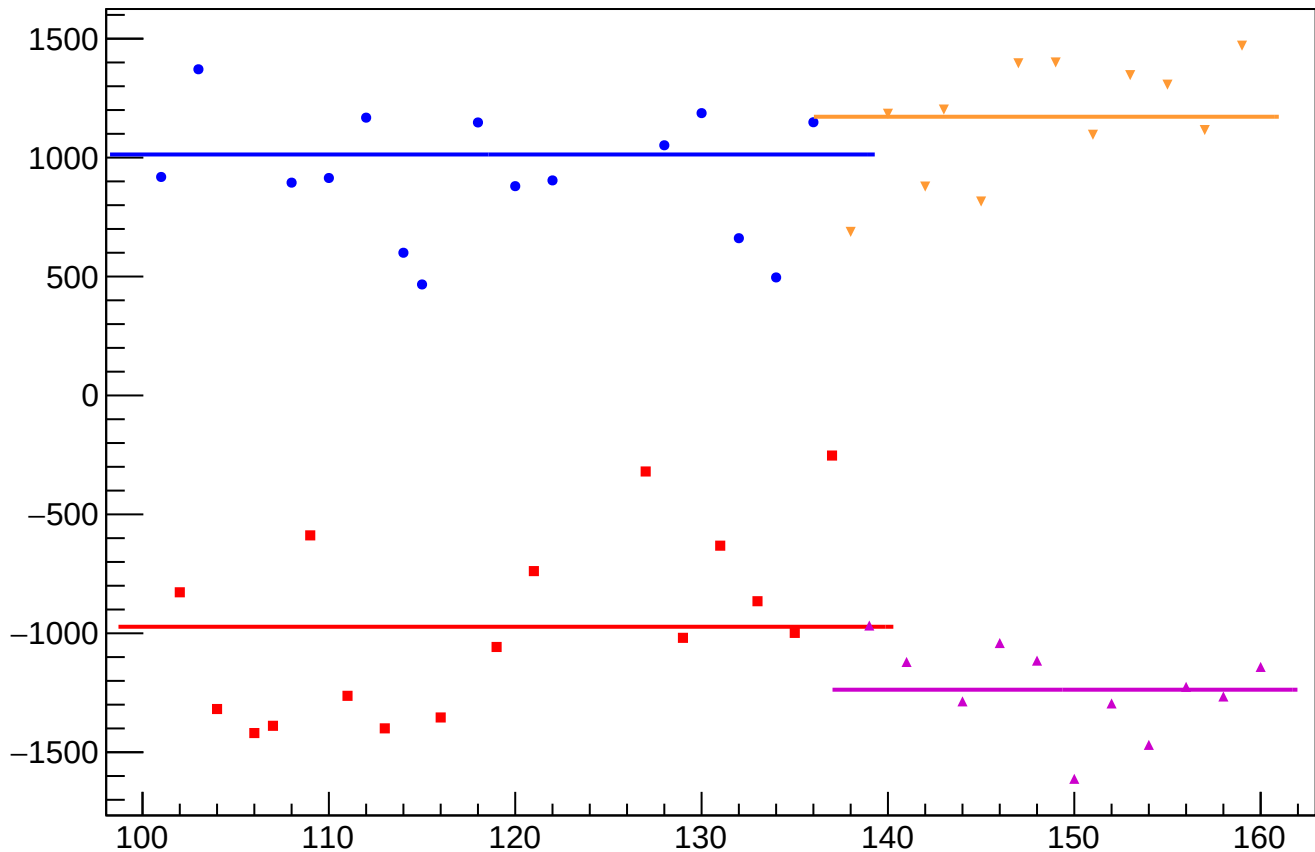
All: 210.837+/-0.000 χ^2/NDF : 145189636575

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 685.307+/-0.000 χ^2/NDF : 46333249080985813233742212153458294784.0/11
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726+/-0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.683+/-0.000 χ^2/NDF : 5884601406998

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

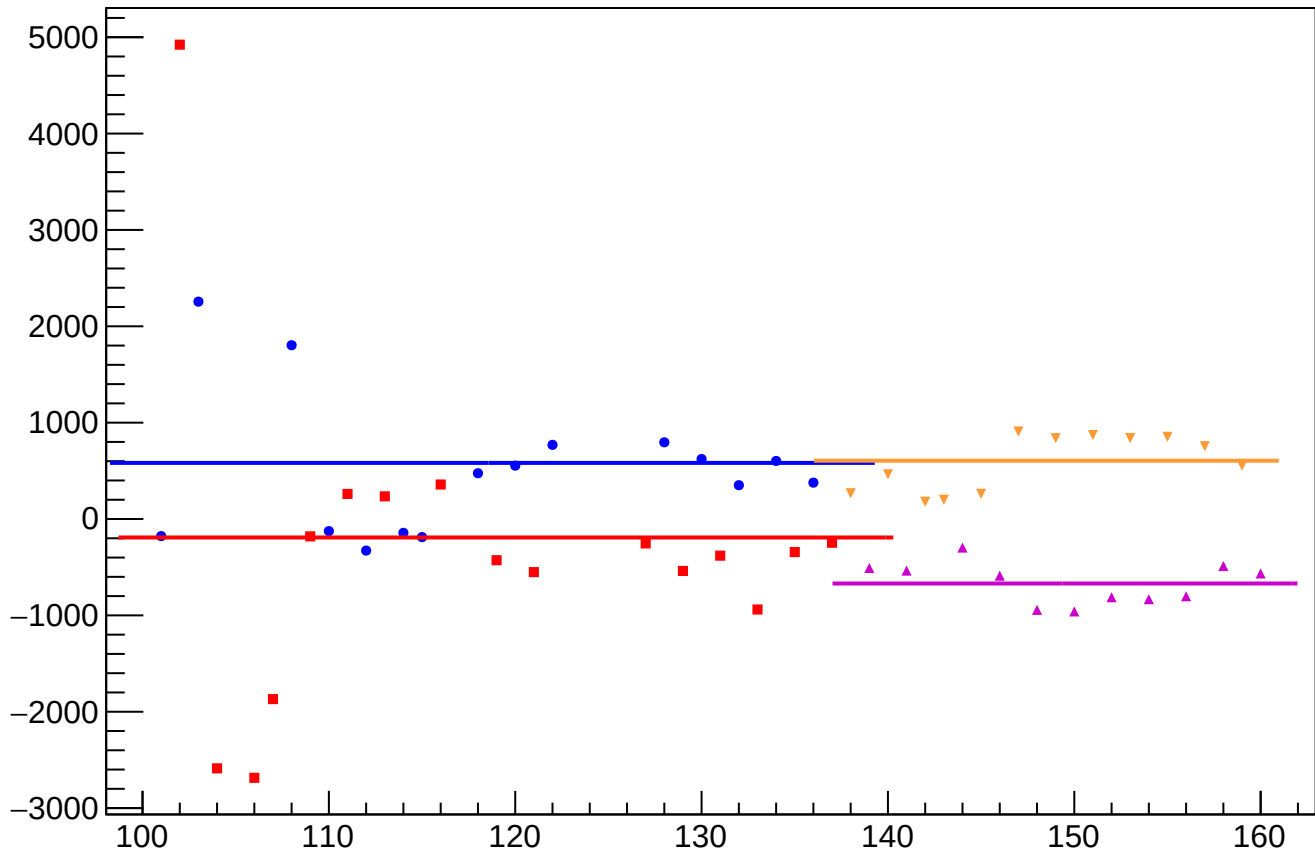
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 605.074+/-0.000

χ^2/NDF : 67912515245446196729937130882705915904.0/11

Right Out: -191.587+/-0.000

χ^2/NDF : 2168762120552346223416743005020716269568.0/15

Left In: -669.155+/-0.000

χ^2/NDF : 39481195240563617253842230522616479744.0/10

Left: -35.507+/-0.000 χ^2/NDF : 8534436967394536

Right: 190.108+/-0.000

χ^2/NDF : 270460615635385

In: -152.784+/-0.000

χ^2/NDF : 9754243982311555

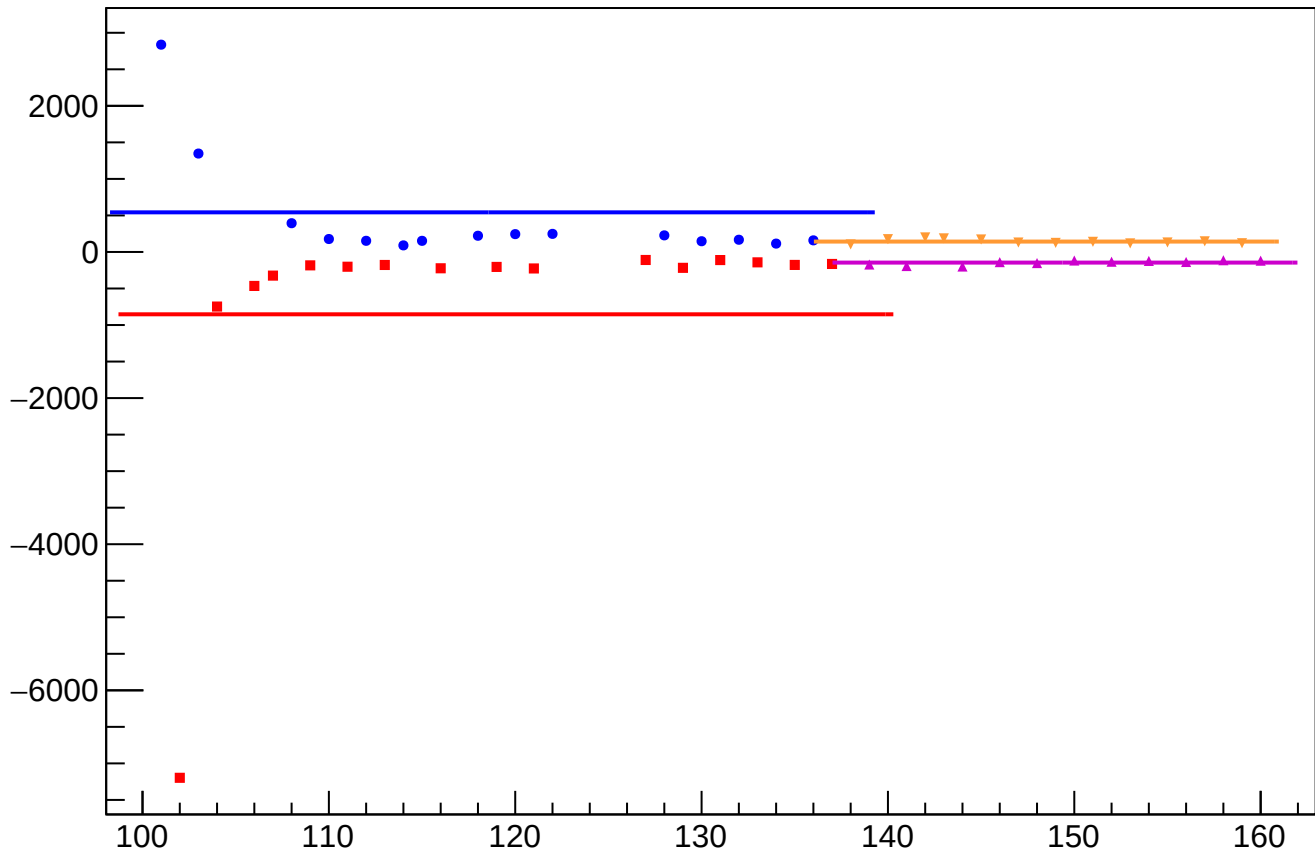
Out: 268.975+/-0.000

χ^2/NDF : 2481404905102664

All: 58.630+/-0.000

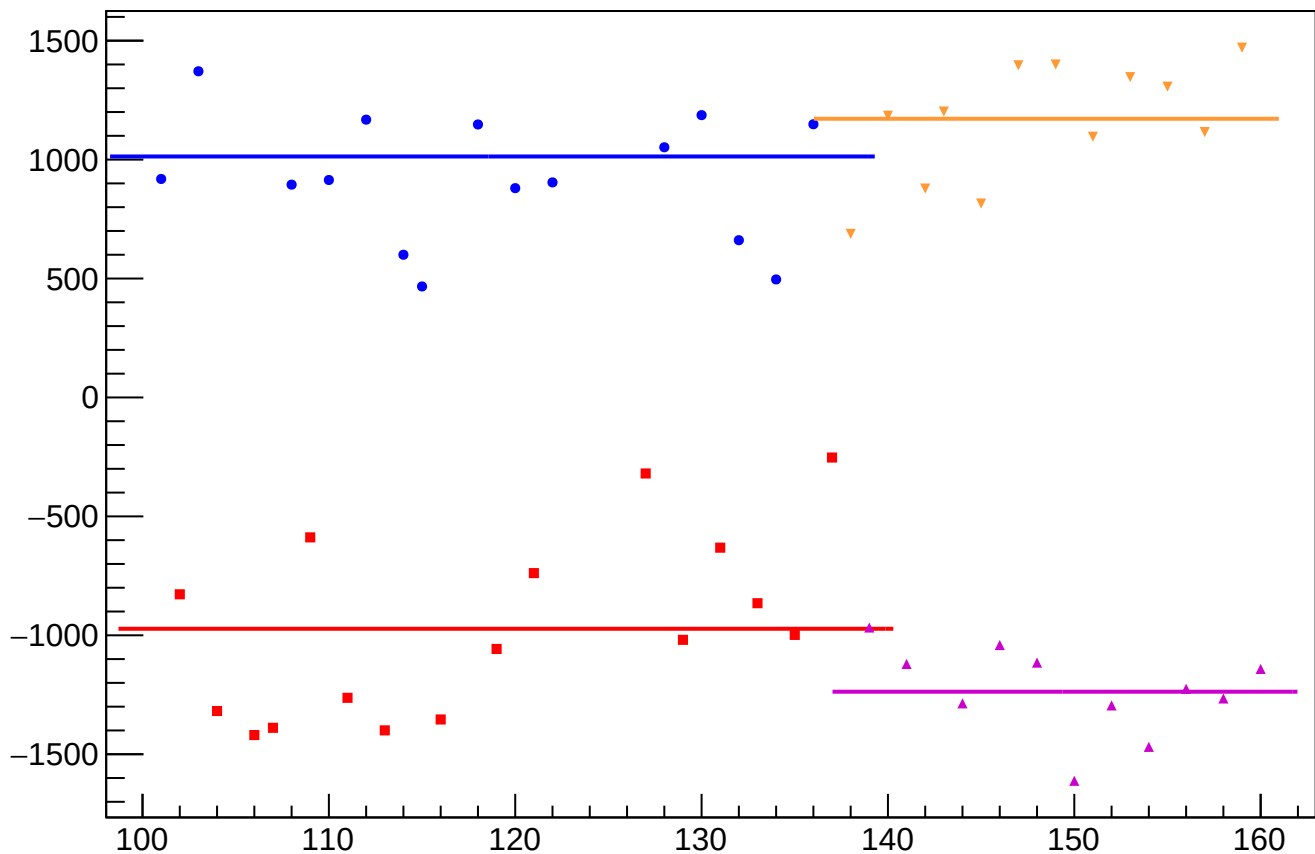
χ^2/NDF : 3597086809072

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



Left: -2.367 +/- 0.000 χ^2/NDF : 39549748395756711
 Right In: 542.328 +/- 0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Right: -164.982 +/- 0.000 χ^2/NDF : 36290648240362
 Left Out: 142.333 +/- 0.000 χ^2/NDF : 699754234994212847043453967042347008.0/11
 In: 138.288 +/- 0.000 χ^2/NDF : 5955245908966435
 Right Out: -853.203 +/- 0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Out: -277.669 +/- 0.000 χ^2/NDF : 295694420364328
 Left In: -145.502 +/- 0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.218 +/- 0.000 χ^2/NDF : 368889410963

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

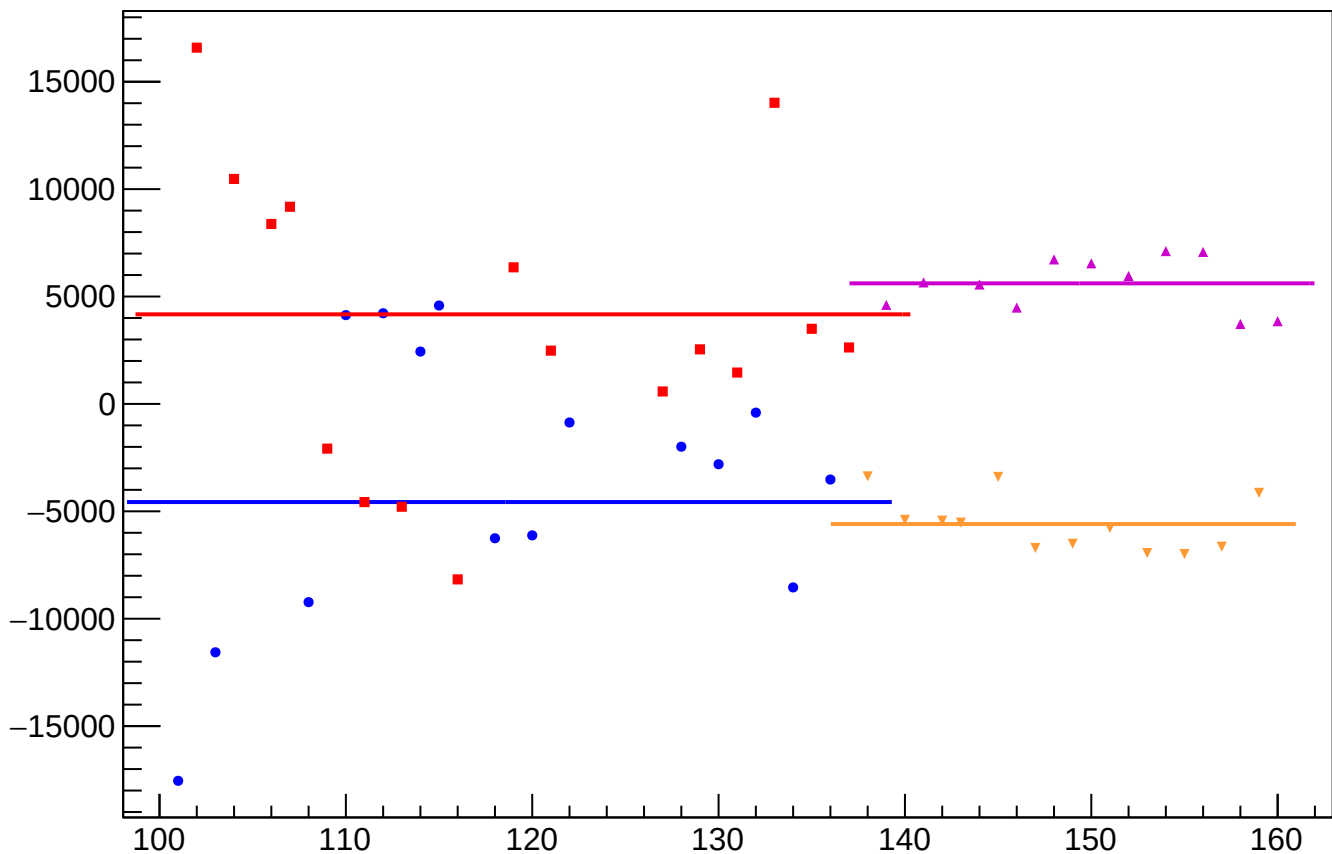
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297+/-0.000

Left Out: -5592.357+/-0.000

Right Out: 4170.773+/-0.000

Left In: 5613.024+/-0.000

χ^2/NDF : 24195052148165719540713110921977756909568.0/14

χ^2/NDF : 1502507998590915650067934753088681803776.0/11

χ^2/NDF : 30967248832187912041113909559481103024128.0/15

χ^2/NDF : 1272210659936261957248133173503170969600.0/10

Left: 40.816+/-0.000 χ^2/NDF : 60468092890171926

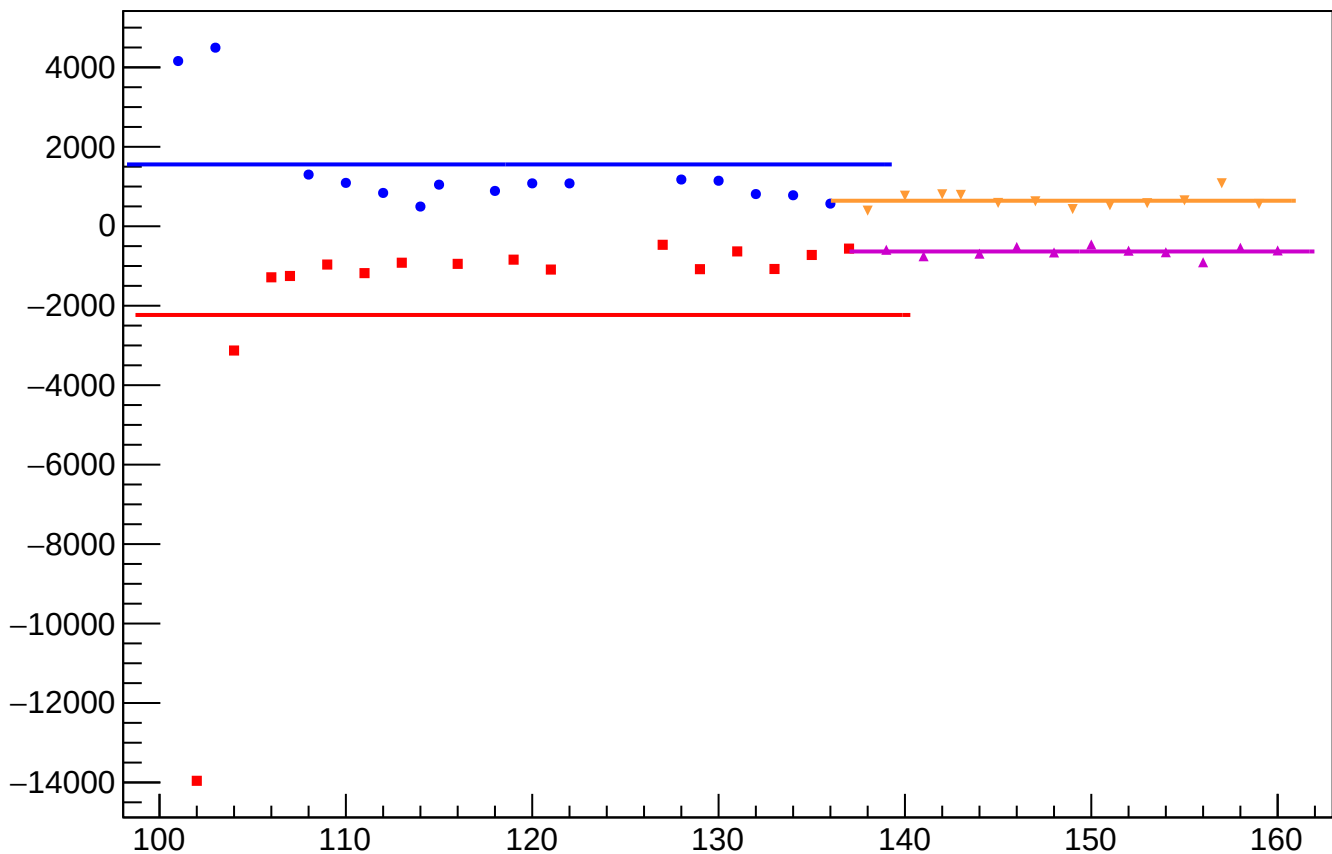
Right: -138.996+/-0.000 χ^2/NDF : 80283768430562

In: 1412.339+/-0.000 χ^2/NDF : 6498537450862054

Out: -1473.440+/-0.000 χ^2/NDF : 69224914404037

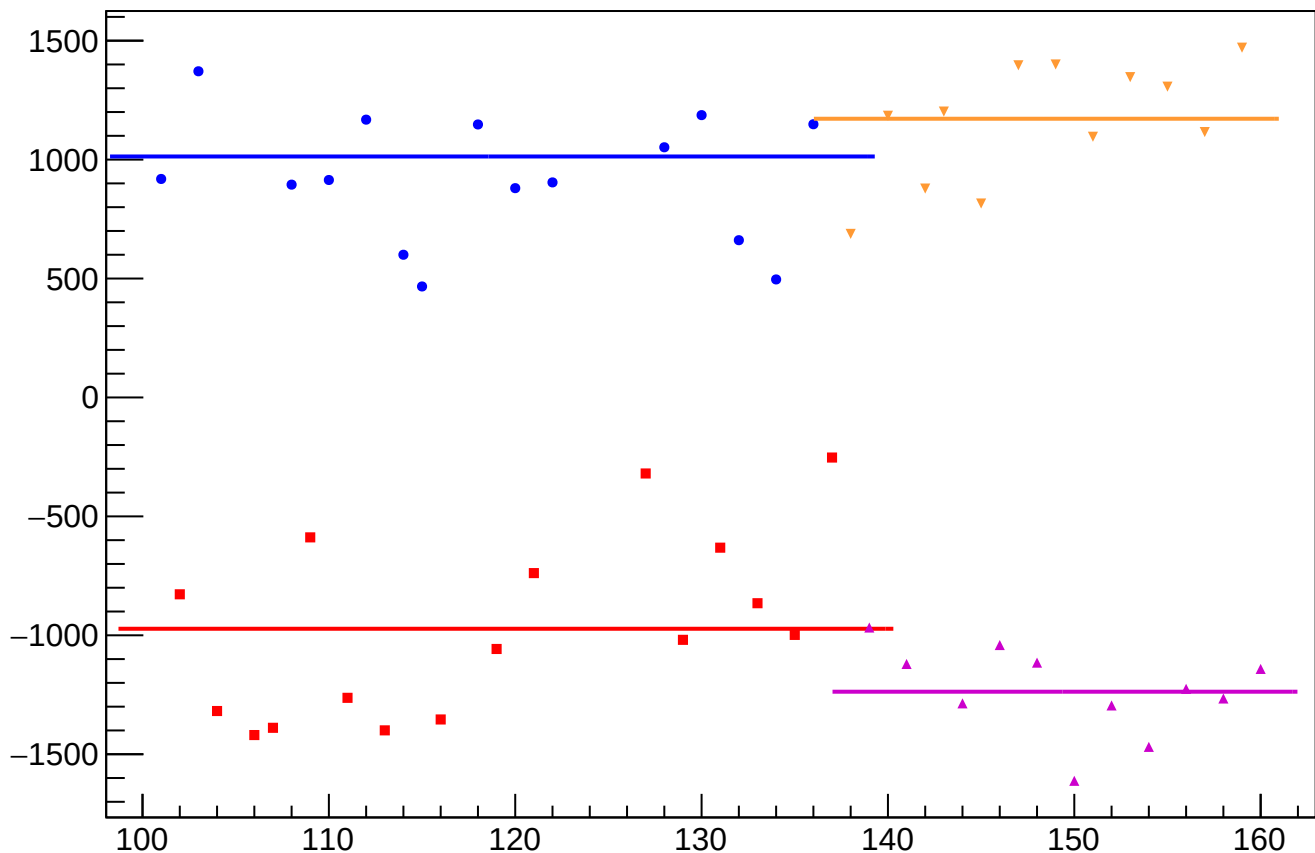
All: -34.210+/-0.000 χ^2/NDF : 140776657149

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



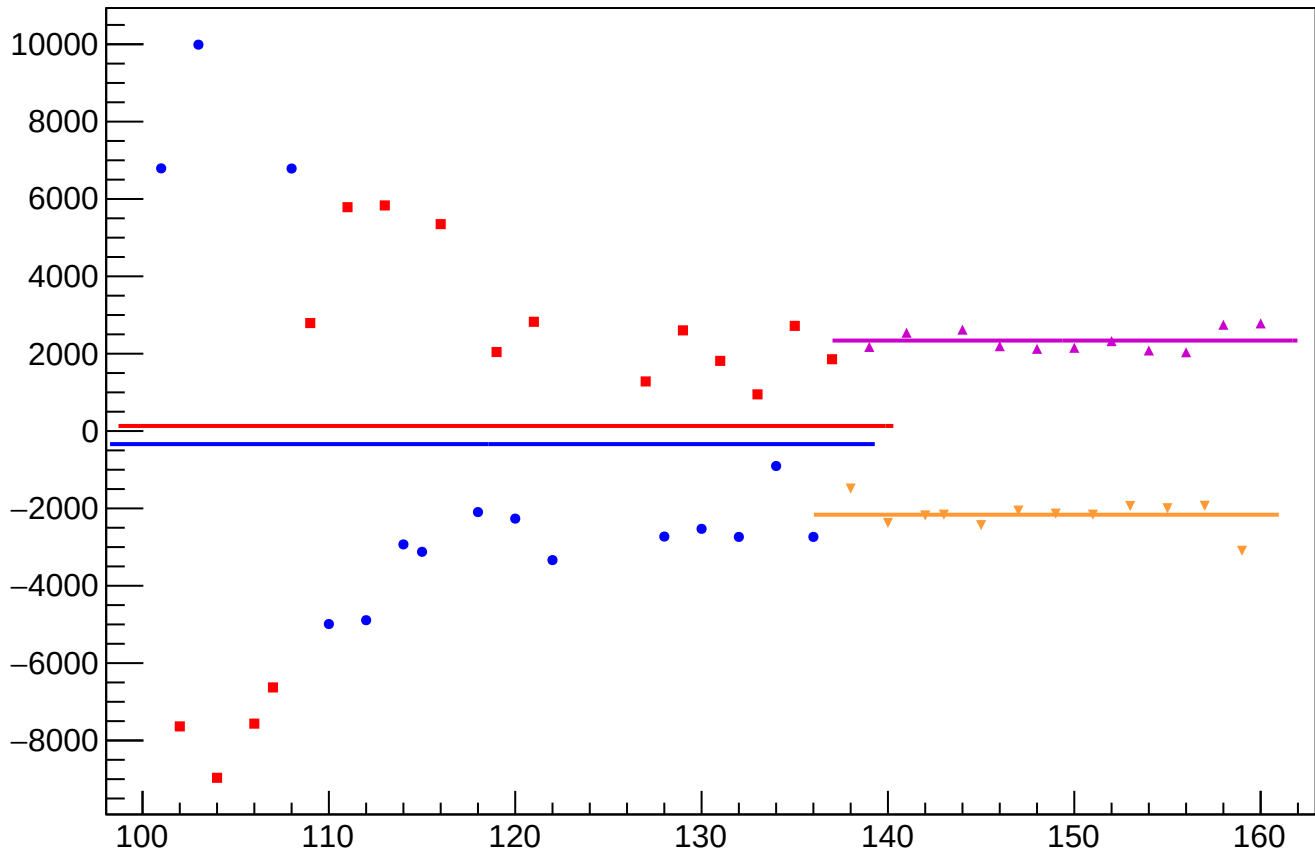
Right In: 1556.763+/-0.000 χ^2/NDF : 1139364239218600567191855131756930793472.0/14
 Left Out: 642.639+/-0.000 χ^2/NDF : 29931346030134316080818937490076336128.0/11
 Right Out: -2232.520+/-0.000 χ^2/NDF : 8990395725533930134878595569706942332928.0/15
 Left In: -634.562+/-0.000 χ^2/NDF : 12308442809403031190669556314642841600.0/10
 All: -151.463+/-0.000 χ^2/NDF : 15746462164

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865+/-0.000

χ^2/NDF : 15152515933007079891661097940762081886208.0/14

Left Out: -2162.857+/-0.000

χ^2/NDF : 126332275232930257638482620391759020032.0/11

Right Out: 131.545+/-0.000

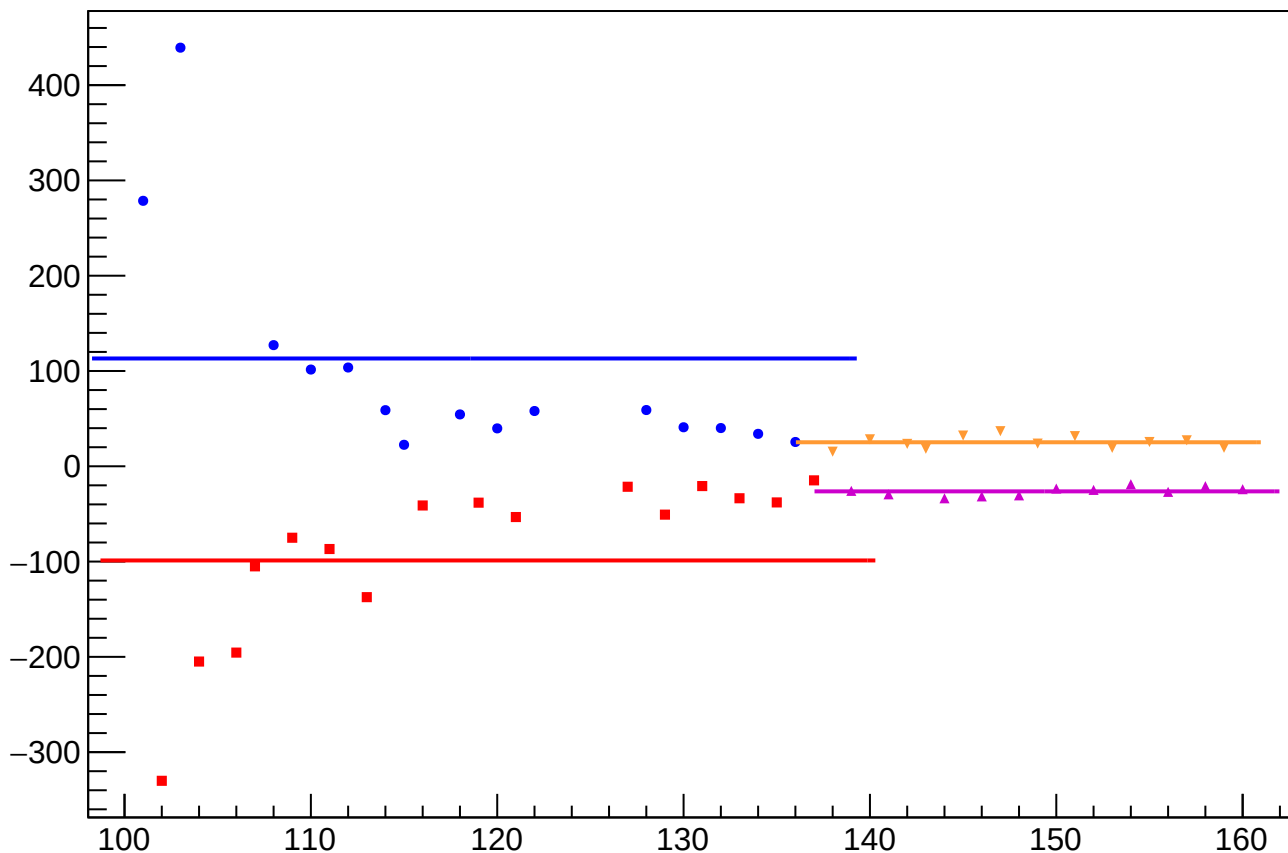
χ^2/NDF : 16473217651078877976377424419956902068224.0/15

Left In: 2339.639+/-0.000

χ^2/NDF : 62860144247456957543810906284181422080.0/10

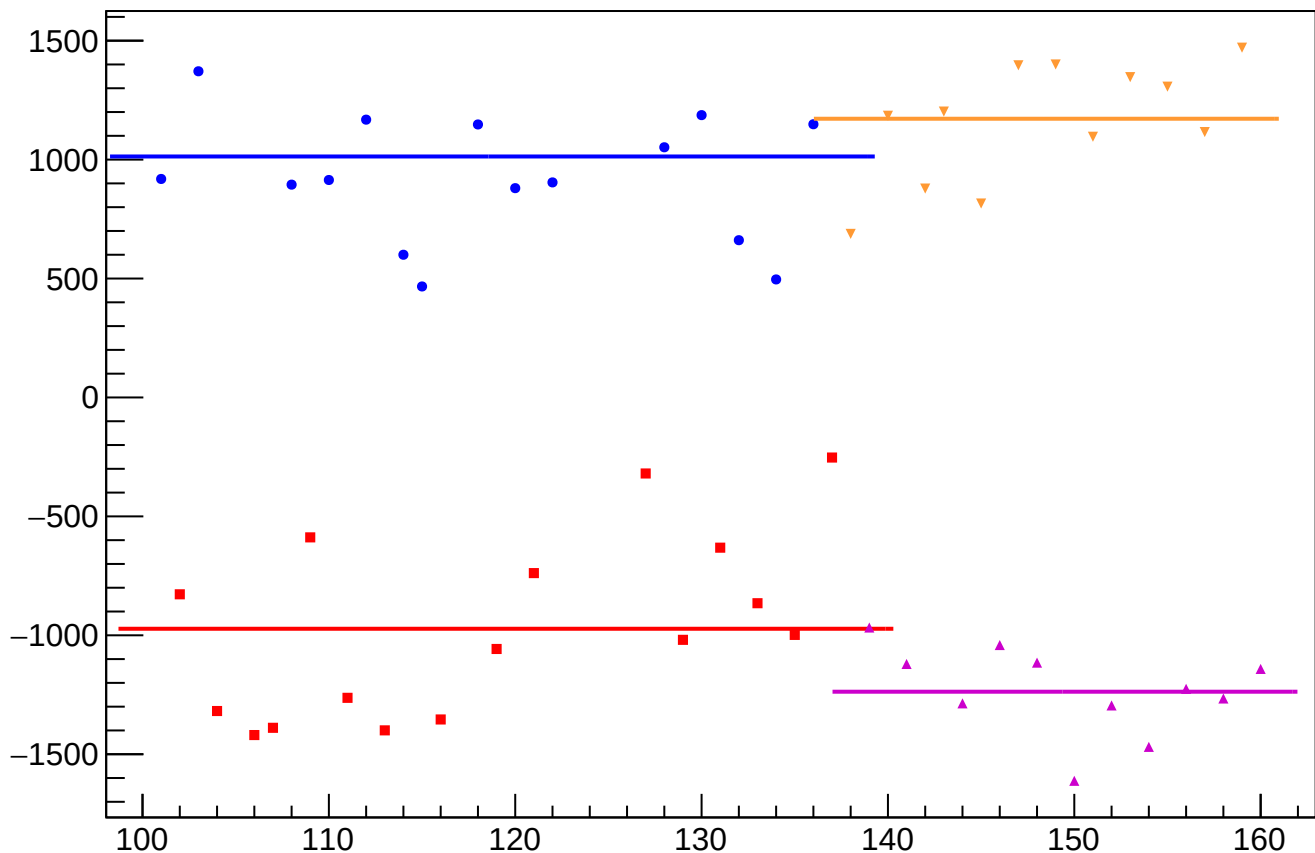
Left: 100.639+/-0.000 χ^2/NDF : 9504114139630339
 Right: -99.949+/-0.000 χ^2/NDF : 316982138957514
 In: 1234.934+/-0.000 χ^2/NDF : 1794842889484232
 Out: -1194.883+/-0.000 χ^2/NDF : 18629471707312
 All: 16.944+/-0.000 χ^2/NDF : 4123318495094

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



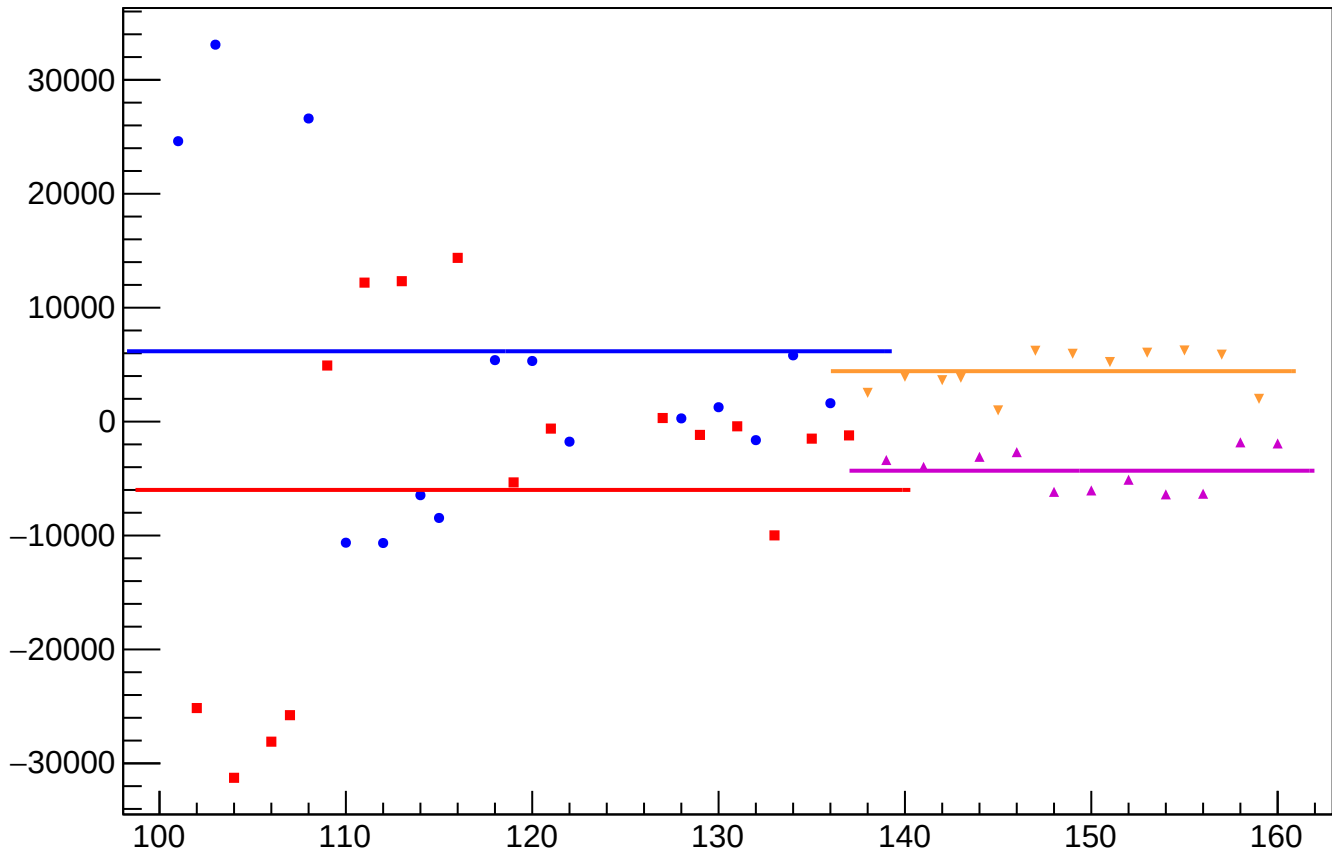
Right In: 113.134 ± 0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14
 Left Out: 25.204 ± 0.000 χ^2/NDF : 35340998729966912863138320392126464.0/11
 Right Out: -98.833 ± 0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15
 Left In: -26.331 ± 0.000 χ^2/NDF : 18142873408814573481950758043648000.0/10
 All: 1.969 ± 0.000 χ^2/NDF : 31584425444526

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



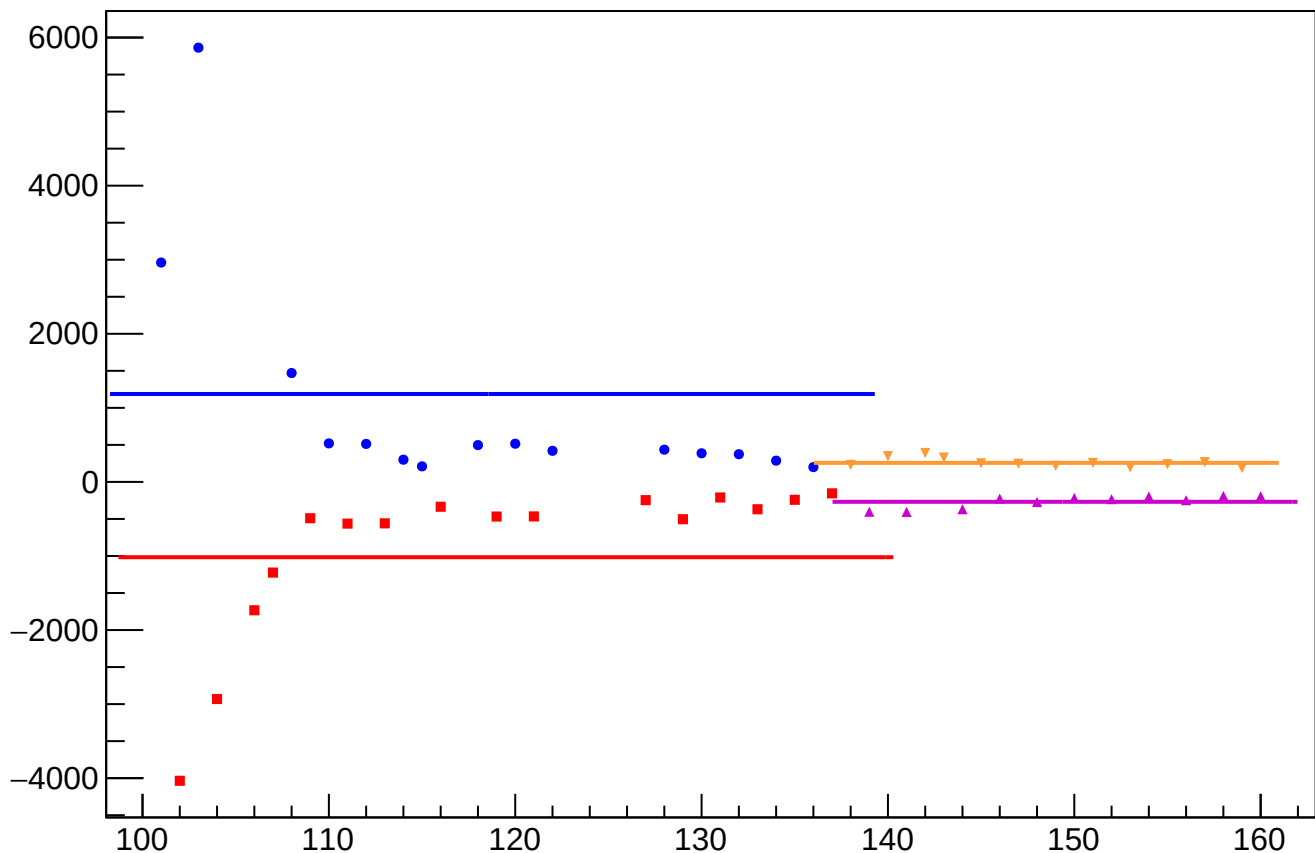
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam2_coil6_mean vs Slug, Sign Corrected



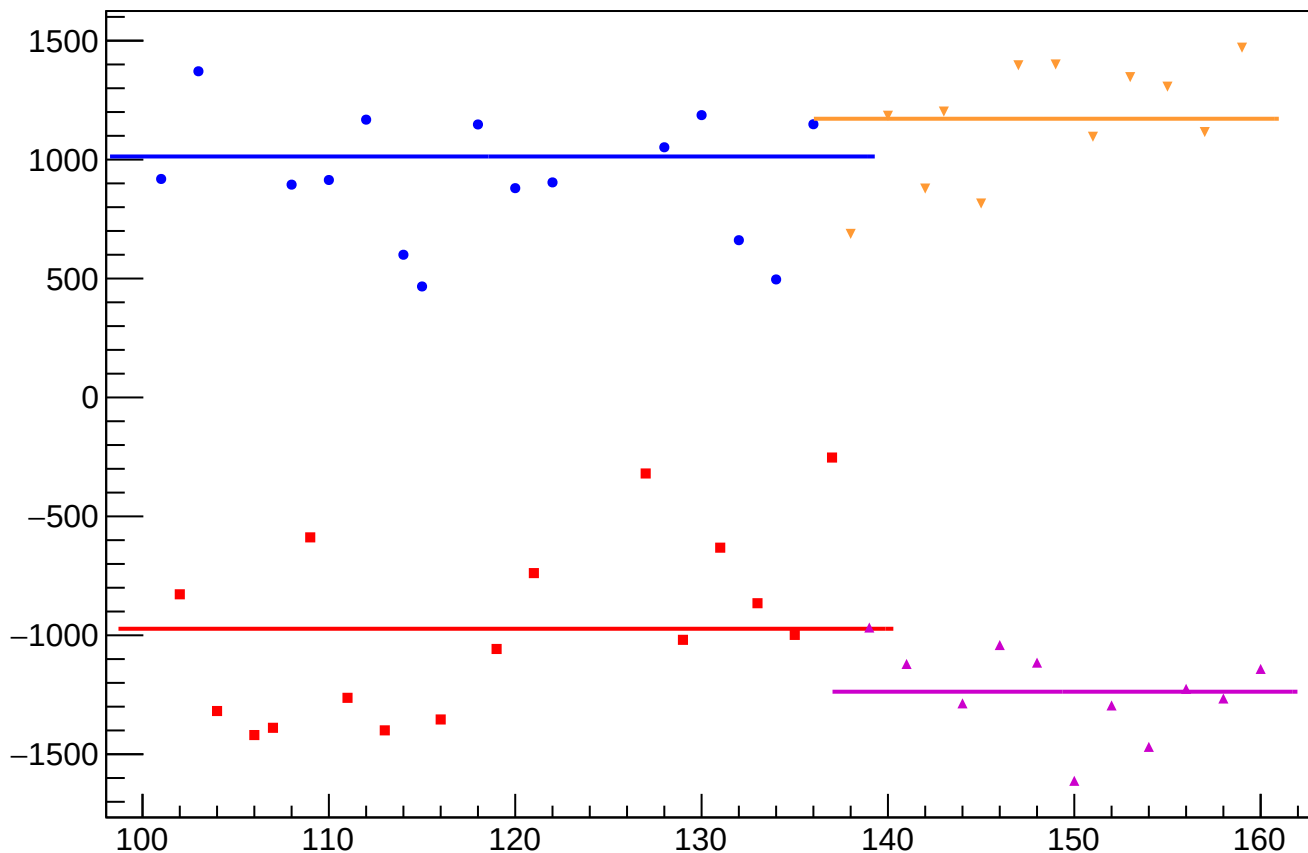
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4428.101+/-0.000 χ^2/NDF : 2900138976874387724183278190835470958592.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.962+/-0.000 χ^2/NDF : 3437312552543

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1186.846+/-0.000 χ^2/NDF : 1796463312802023303623210264680353234944.0/14
 Left Out: 257.255+/-0.000 χ^2/NDF : 2781253601465669157863687249484316672.0/11
 Right Out: -1016.732+/-0.000 χ^2/NDF : 927646003466094249558391691024825057280.0/15
 Left In: -268.493+/-0.000 χ^2/NDF : 5855734975706547823556607966386847744.0/10
 All: 25.094+/-0.000 χ^2/NDF : 4461548431254

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

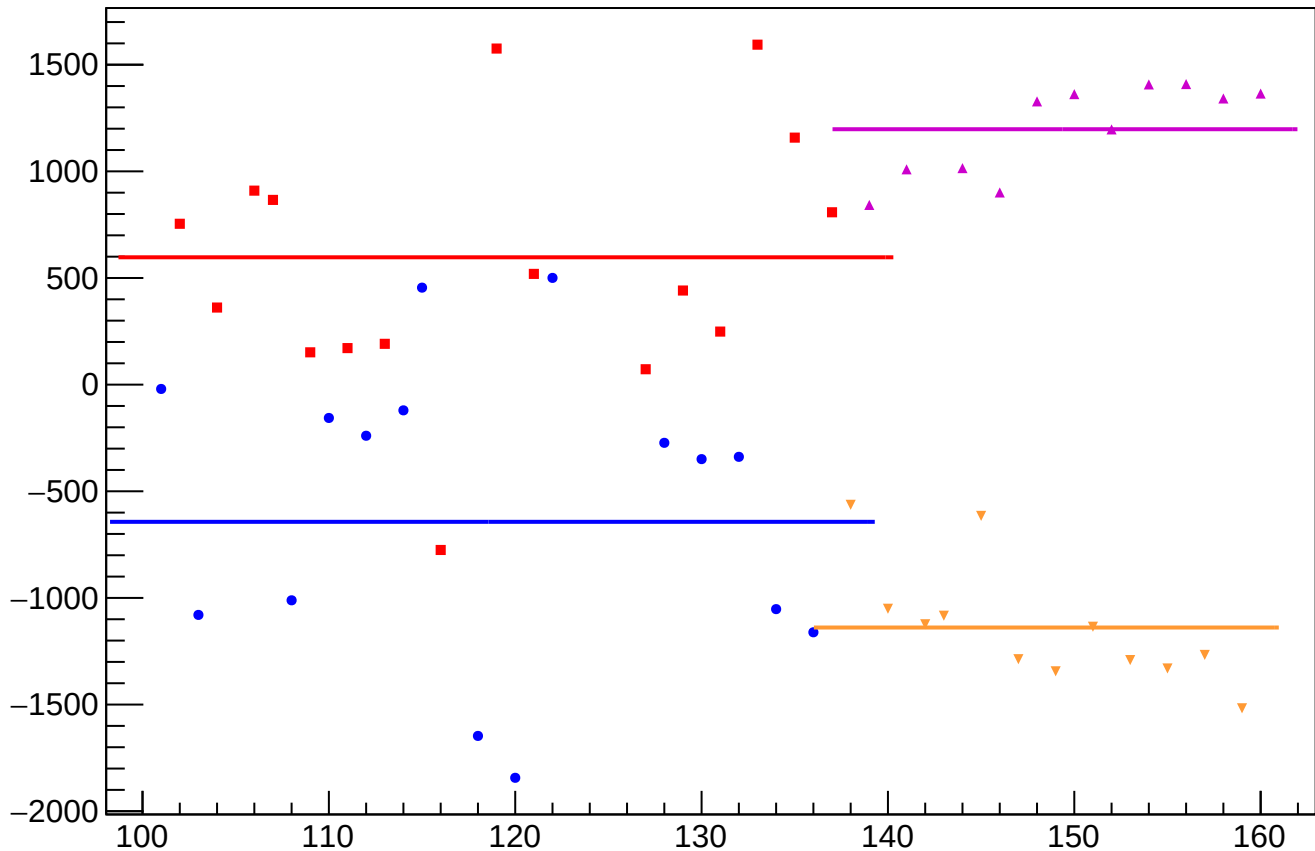
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

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_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

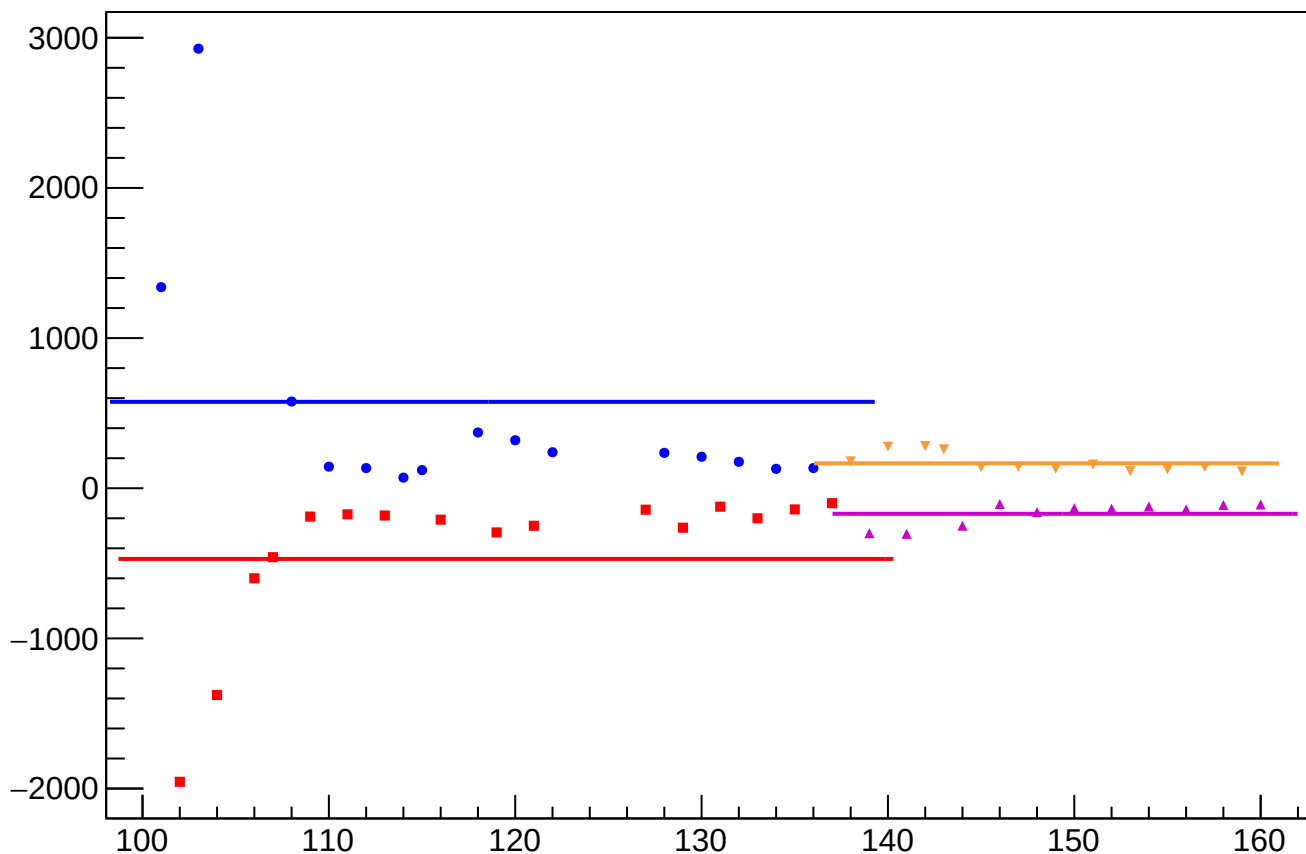
χ^2/NDF : 210733370798031449363504004319005376512.0/15

Left In: 1197.503+/-0.000

χ^2/NDF : 38624722141560961102710570239066636288.0/10

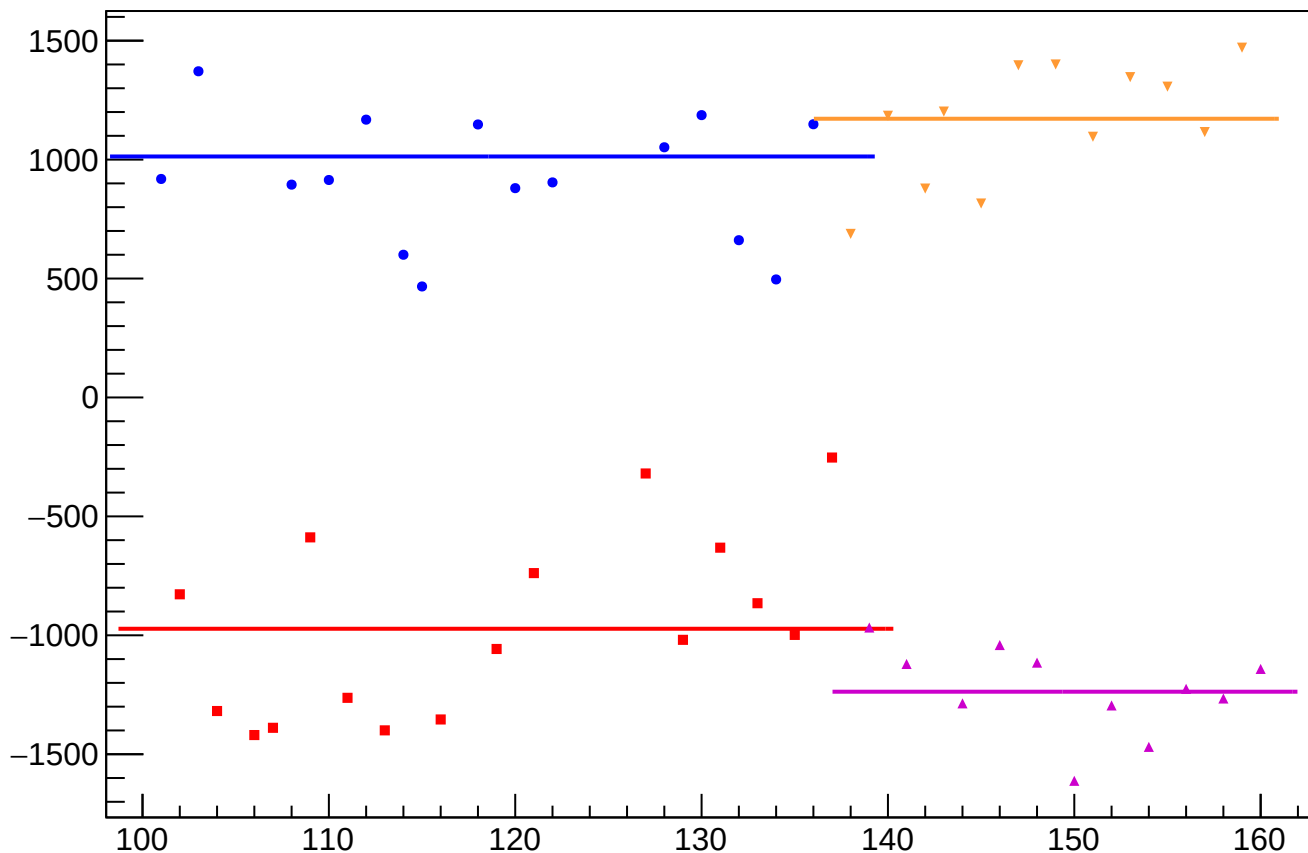
All: 14.726+/-0.000 χ^2/NDF : 3608953170188

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



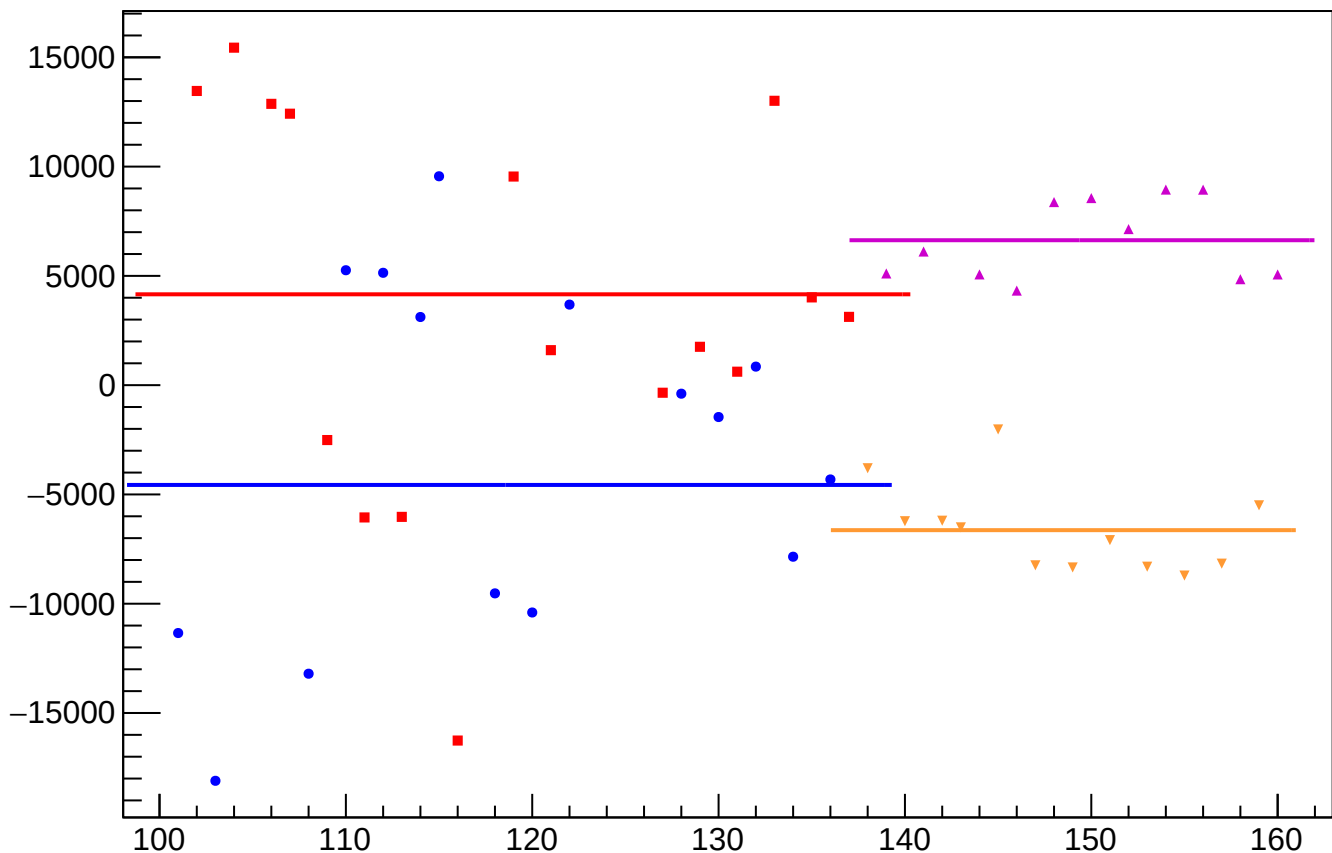
Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 166.360+/-0.000 χ^2/NDF : 3052716209295405049807129095543193600.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.262+/-0.000 χ^2/NDF : 1063737364413

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



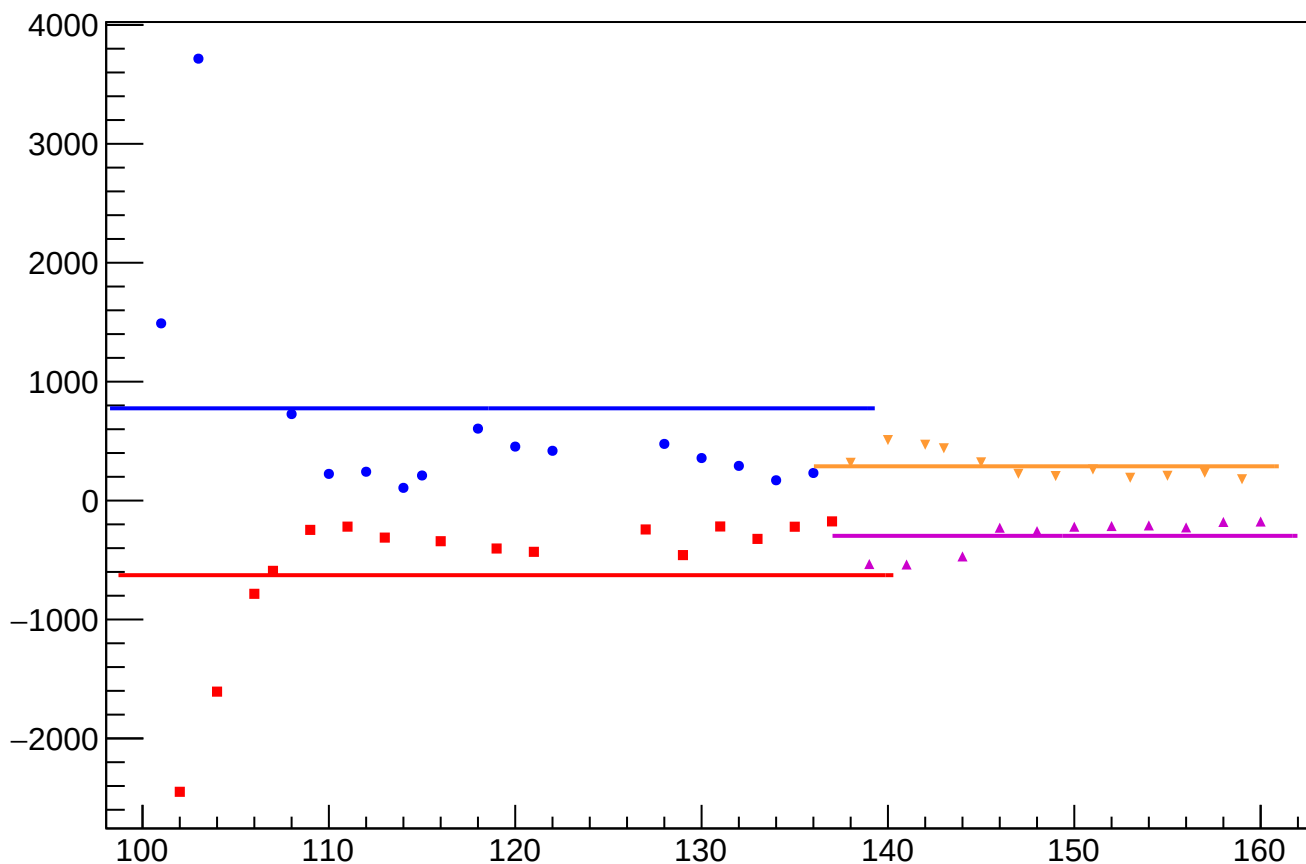
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam4_coil6_mean vs Slug, Sign Corrected



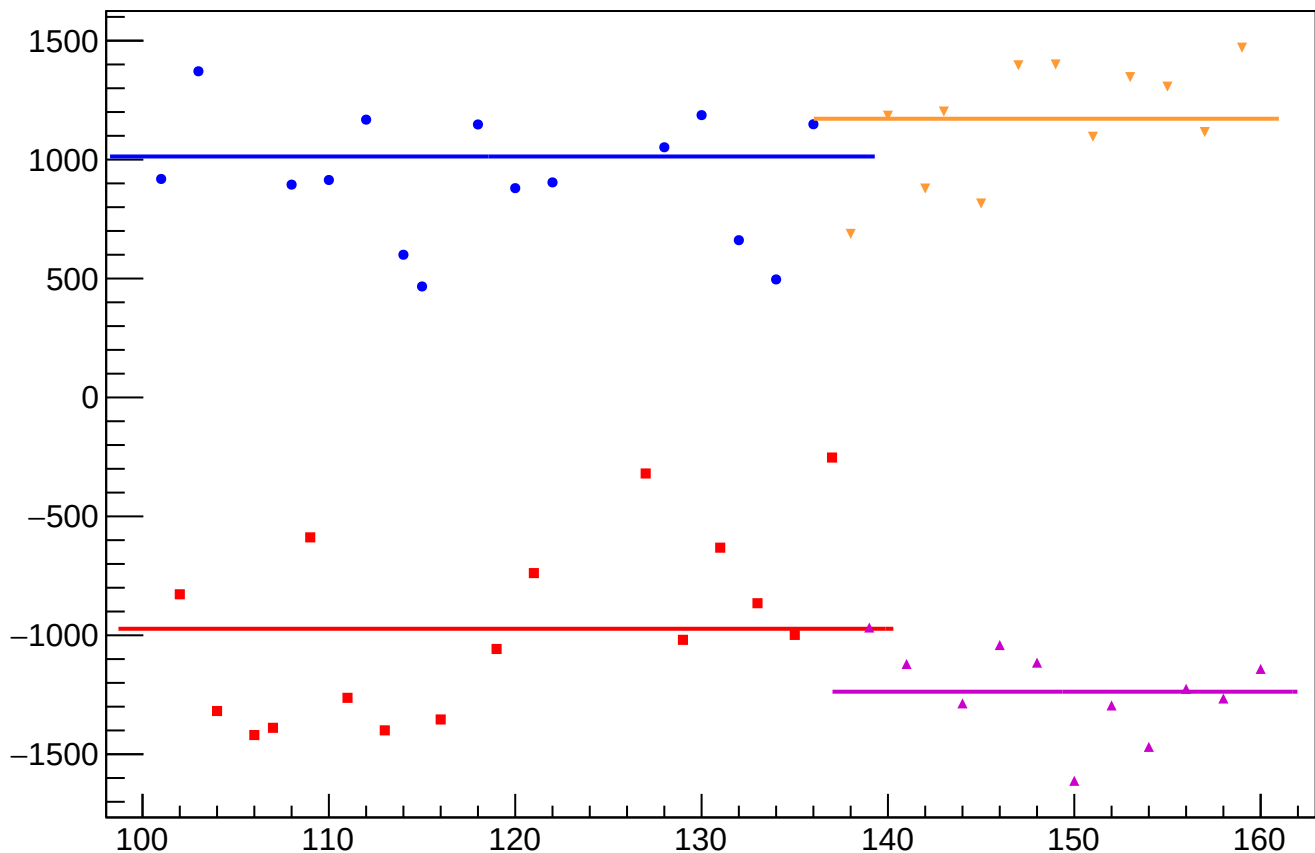
Right In: -4565.412 ± 0.000 $\chi^2/\text{NDF}: 35667768247432289984899042725155487875072.0/14$
 Left Out: -6634.457 ± 0.000 $\chi^2/\text{NDF}: 3640150880403299784339543756995645407232.0/11$
 Right Out: 4156.859 ± 0.000 $\chi^2/\text{NDF}: 45539455441659927157708443099930682195968.0/15$
 Left In: 6631.377 ± 0.000 $\chi^2/\text{NDF}: 2831140540306304869921468245145345327104.0/10$
 All: -40.212 ± 0.000 $\chi^2/\text{NDF}: 193589617431$

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



Right In: 775.824 $\pm$ 0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Left Out: 288.226 $\pm$ 0.000 χ^2/NDF : 10607349218435095296400376728725225472.0/11
 Right Out: -627.315 $\pm$ 0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Left In: -296.514 $\pm$ 0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.637 $\pm$ 0.000 χ^2/NDF : 1775565410854

dit_sam4_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

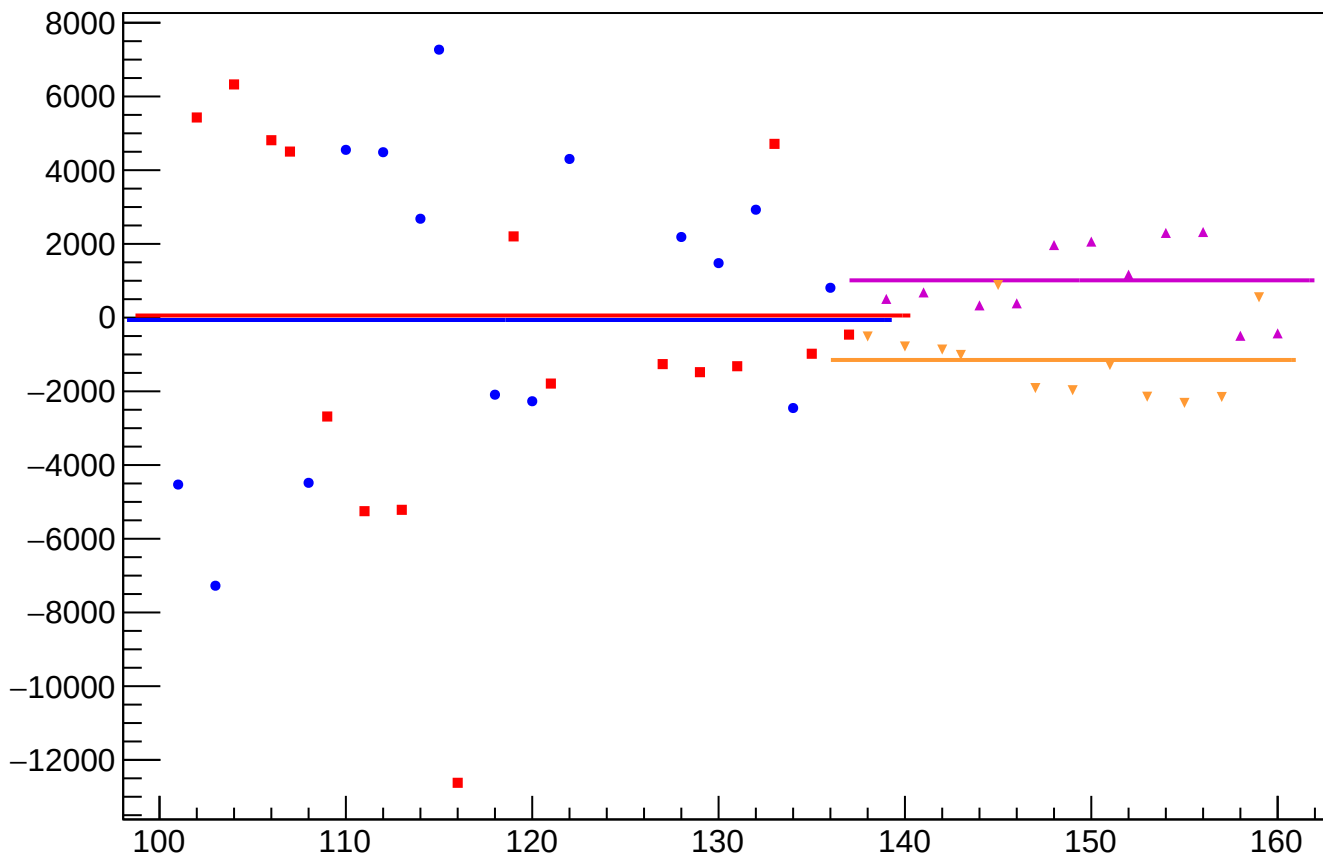
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

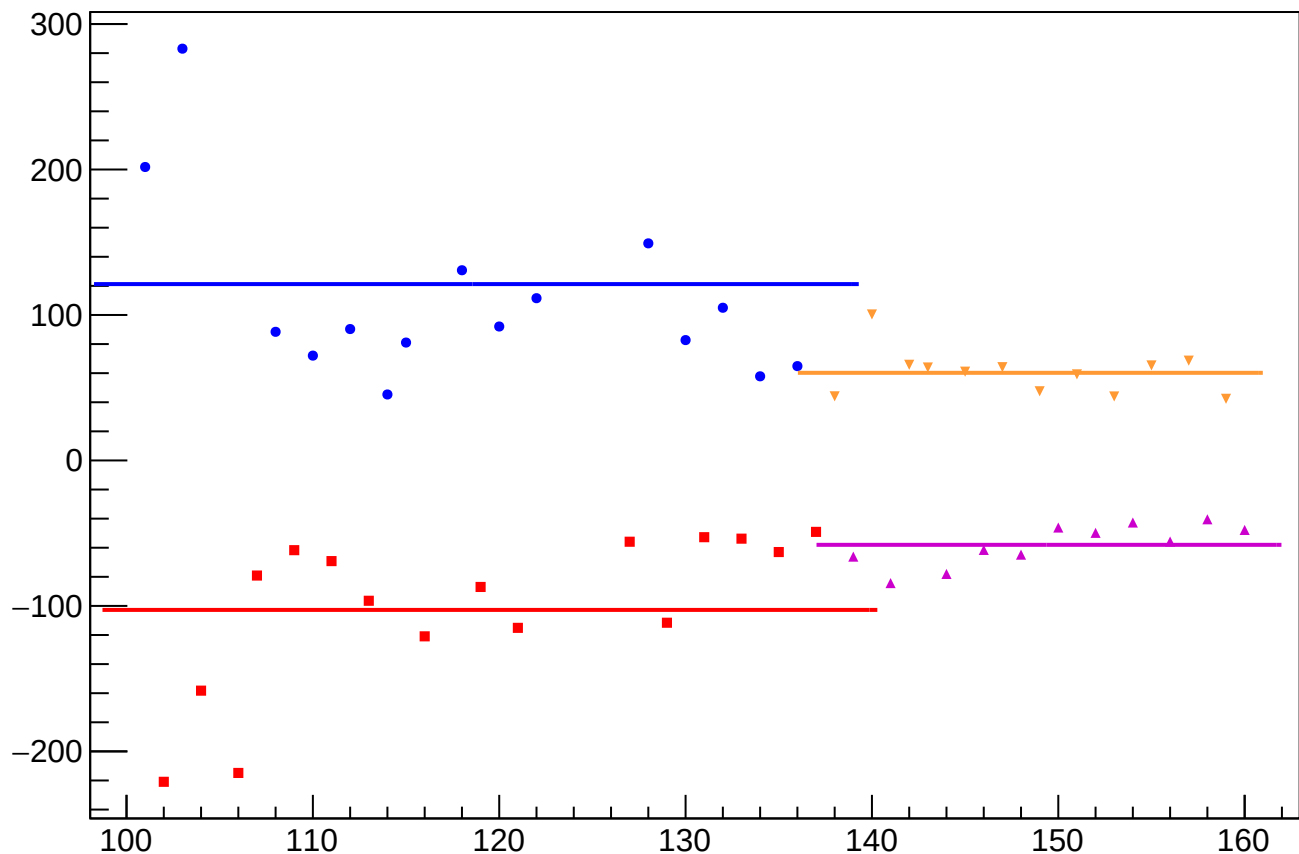
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam5_coil6_mean vs Slug, Sign Corrected



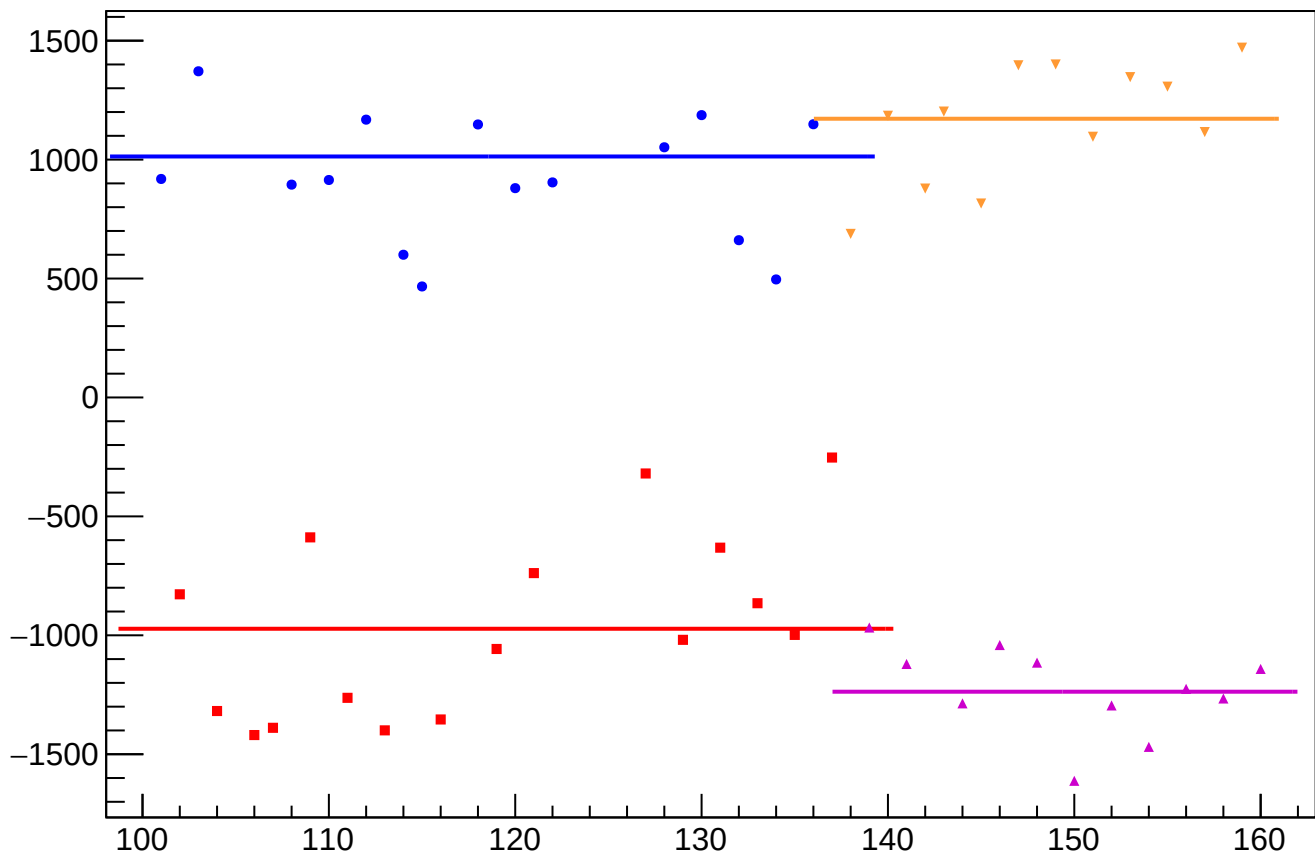
Right In: -64.751+/-0.000 χ^2/NDF : 9614223448851814191683817349989558910976.0/14
 Left Out: -1149.036+/-0.000 χ^2/NDF : 977384281251527862797157265716912586752.0/11
 Right Out: 57.229+/-0.000 χ^2/NDF : 13780958977008702301942505454387177979904.0/15
 Left In: 1011.284+/-0.000 χ^2/NDF : 903909408421874171739001543159795679232.0/10
 All: -37.934+/-0.000 χ^2/NDF : 274285540726

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



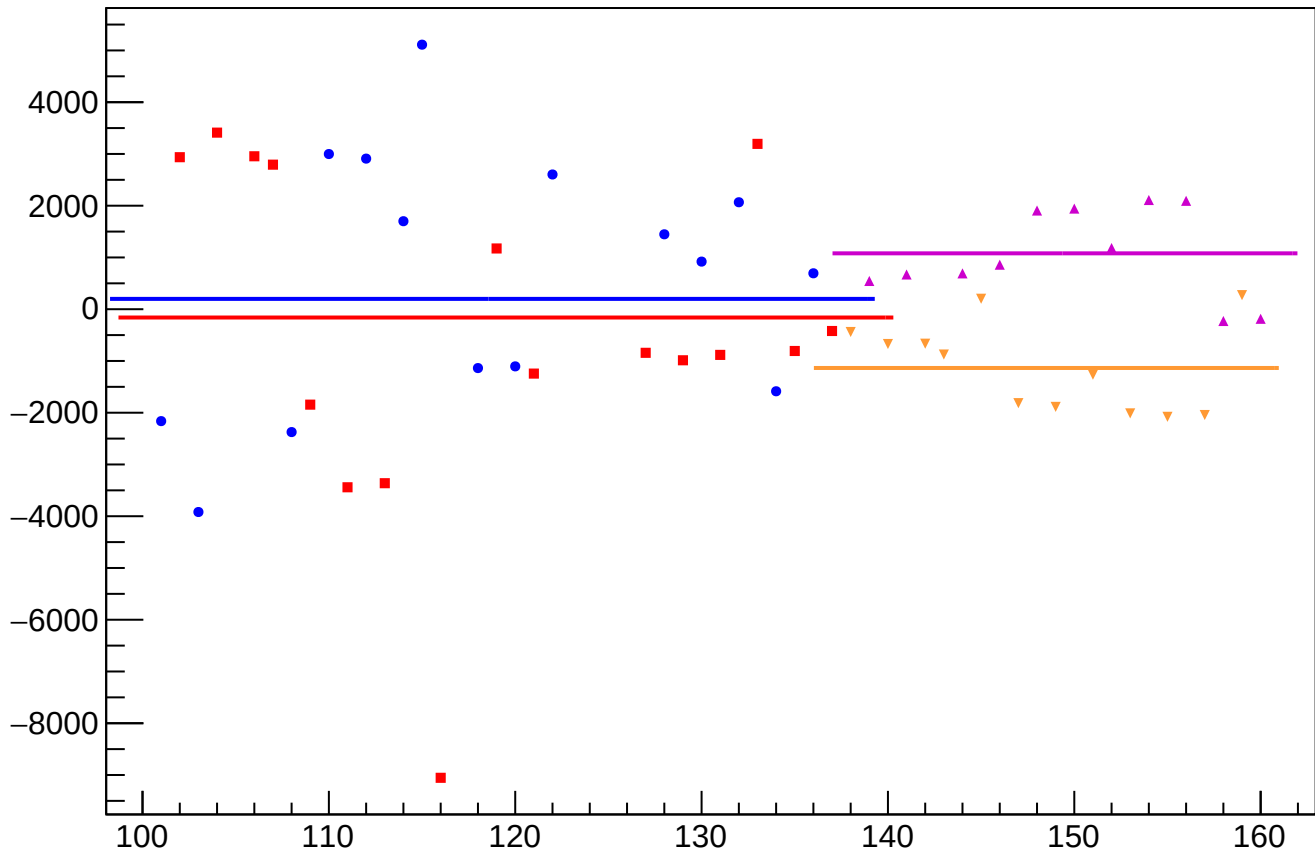
Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.239+/-0.000 χ^2/NDF : 225102554491032869548797845500329984.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.678+/-0.000 χ^2/NDF : 28056421642135

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



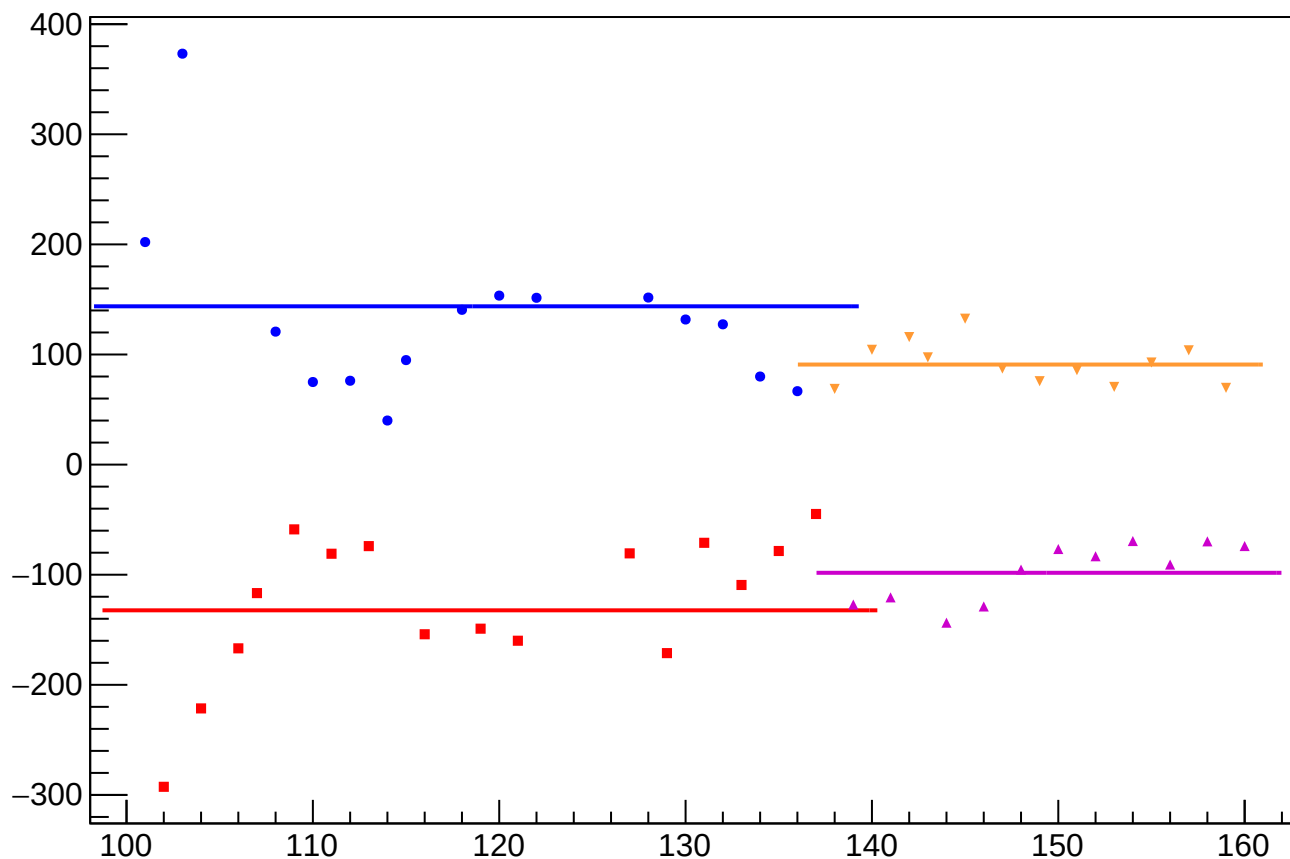
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam6_coil6_mean vs Slug, Sign Corrected



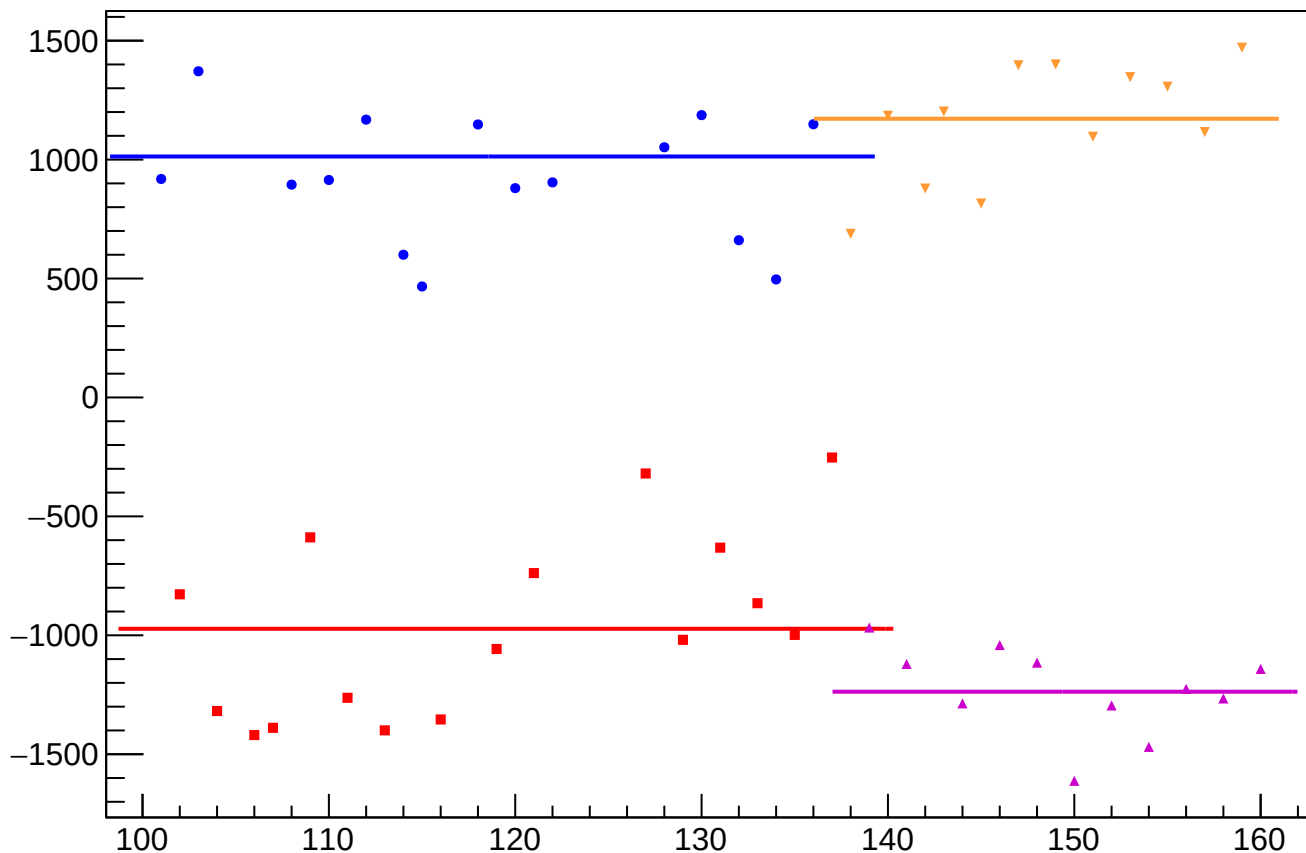
Right In: 199.503+/-0.000 χ^2/NDF : 3268159745923533825045181664876849790976.0/14
 Left: -21.924+/-0.000 χ^2/NDF : 3523794568652633
 Right: 17.033+/-0.000 χ^2/NDF : 8991370549930185
 Left Out: -1135.455+/-0.000 χ^2/NDF : 654697592596579349133010058178925166592.0/11
 In: 716.457+/-0.000 χ^2/NDF : 41781537377410598
 Right Out: -160.512+/-0.000 χ^2/NDF : 5680576709461197901526729703706251493376.0/15
 Out: -724.141+/-0.000 χ^2/NDF : 670179463757753
 Left In: 1079.555+/-0.000 χ^2/NDF : 614734398575877452858032752710912049152.0/10
 All: -5.669+/-0.000 χ^2/NDF : 1251632905272

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



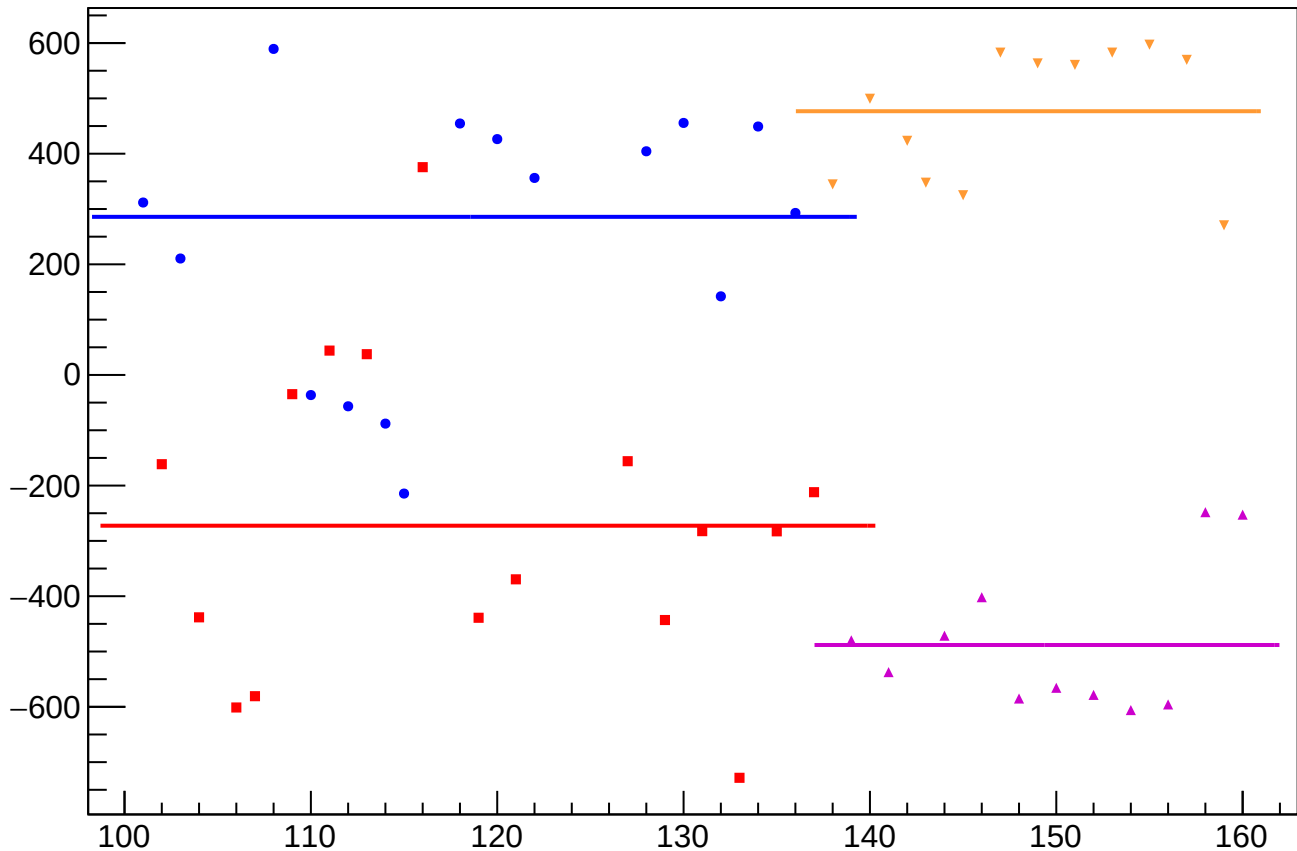
Left: -4.202+/-0.000 χ^2/NDF : 17384612750229045
 Right In: 143.764+/-0.000 χ^2/NDF : 4514785869565777849900508591821946880.0/14
 Right: 3.823+/-0.000 χ^2/NDF : 32765016379949297
 Left Out: 90.882+/-0.000 χ^2/NDF : 326242734851411629220497356388040704.0/11
 In: 1.598+/-0.000 χ^2/NDF : 2746595414560194970
 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



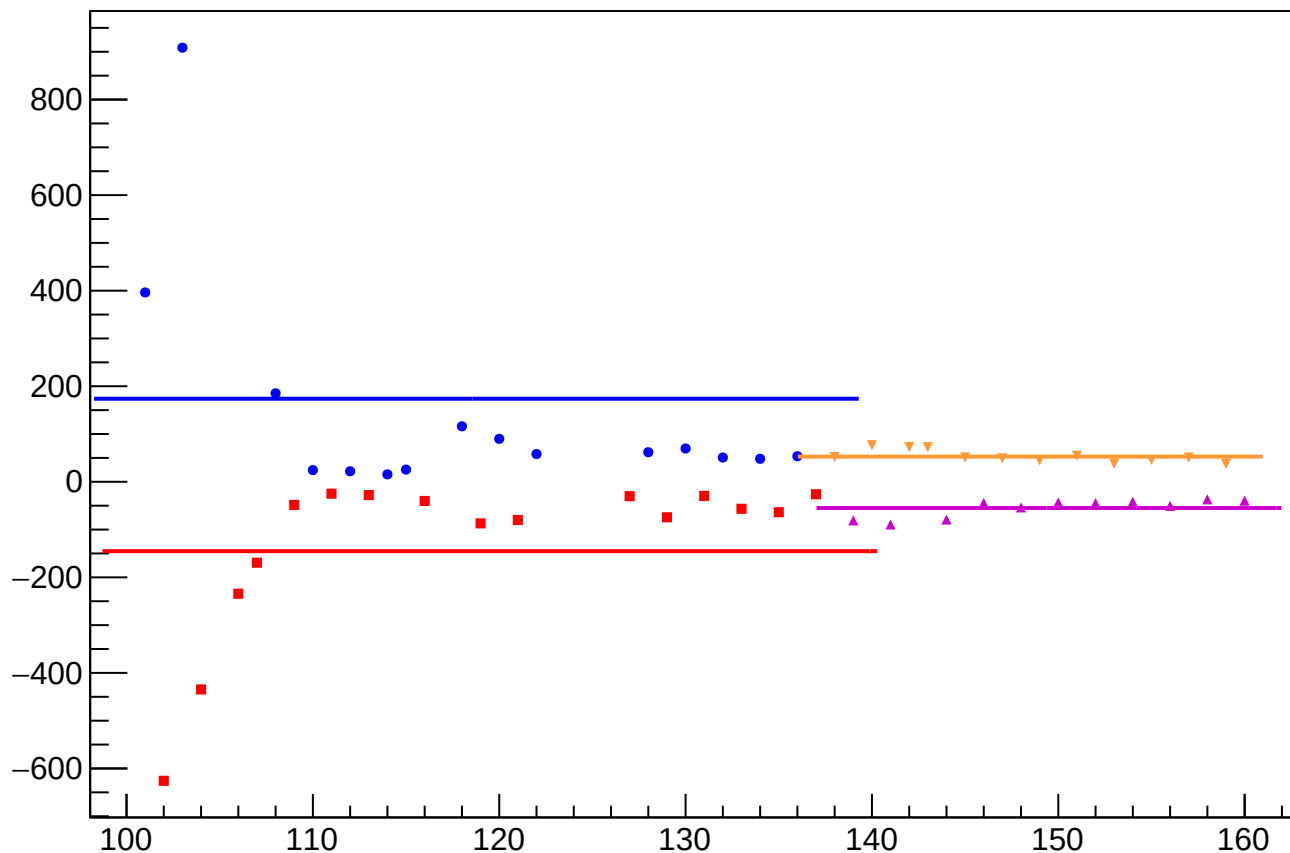
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam7_coil6_mean vs Slug, Sign Corrected



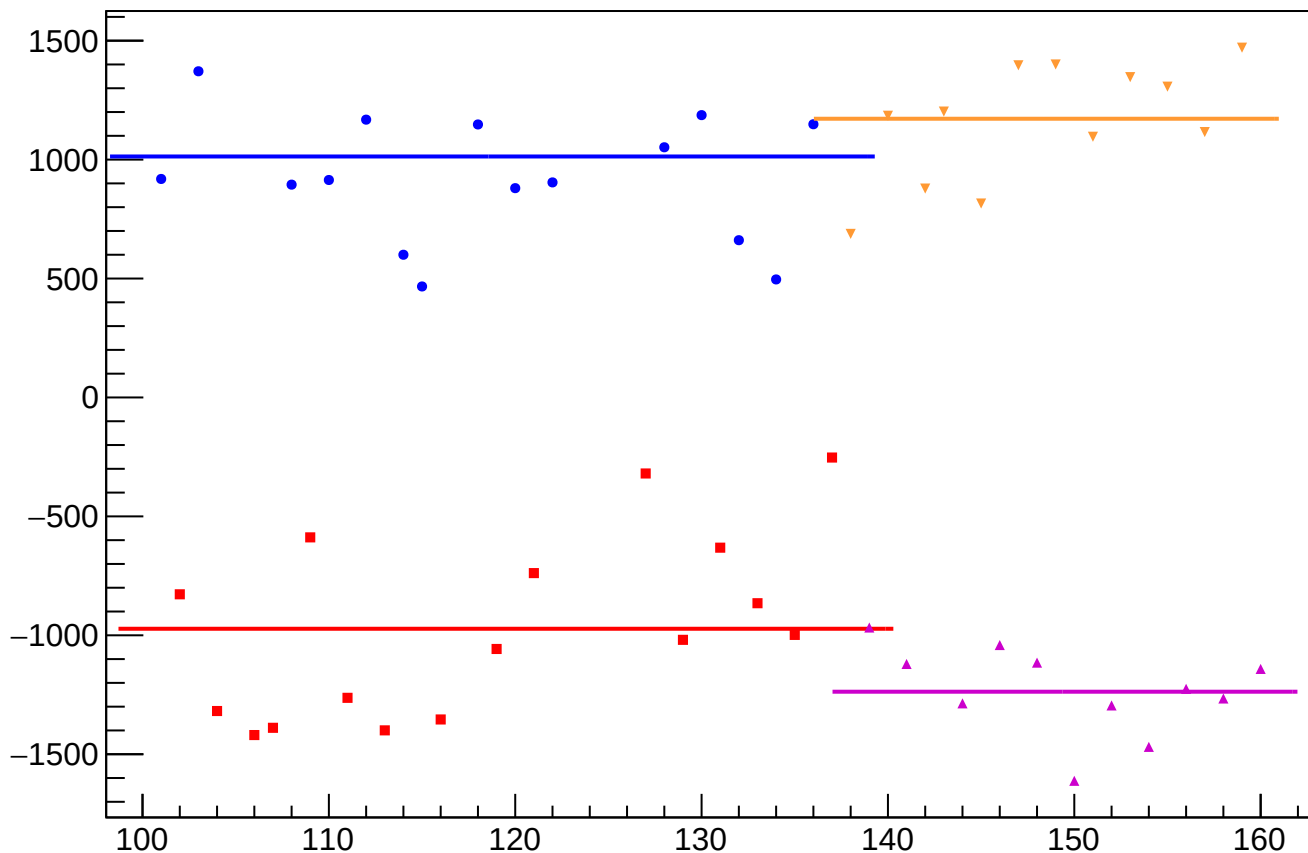
Right In: 285.856+/-0.000 χ^2/NDF : 24108244802355530064663311301086281728.0/14
 Left Out: 476.795+/-0.000 χ^2/NDF : 12695994824288000465906190934597435392.0/11
 Right Out: -272.539+/-0.000 χ^2/NDF : 44149952665075593650338713333575712768.0/15
 Left In: -488.203+/-0.000 χ^2/NDF : 13828831980358883653289432391973076992.0/10
 All: -3.669+/-0.000 χ^2/NDF : 6253273590333

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



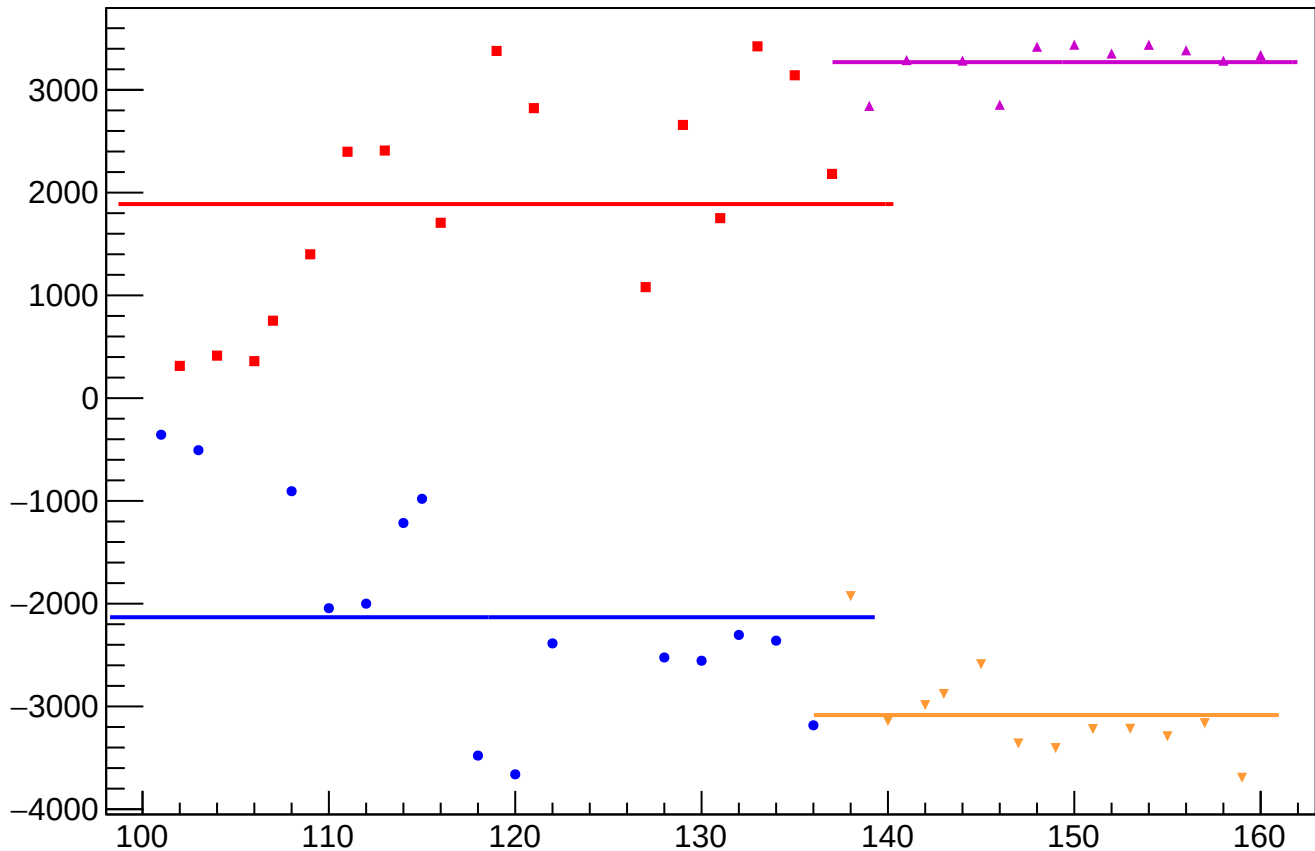
Left: -1.410 +/- 0.000 χ^2/NDF : 57550913372035412
 Right: 12.139 +/- 0.000 χ^2/NDF : 9772897307710637
 Right In: 173.871 +/- 0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Left Out: 52.656 +/- 0.000 χ^2/NDF : 140159423385887976692066167541465088.0/11
 Right Out: -145.228 +/- 0.000 χ^2/NDF : 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 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_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

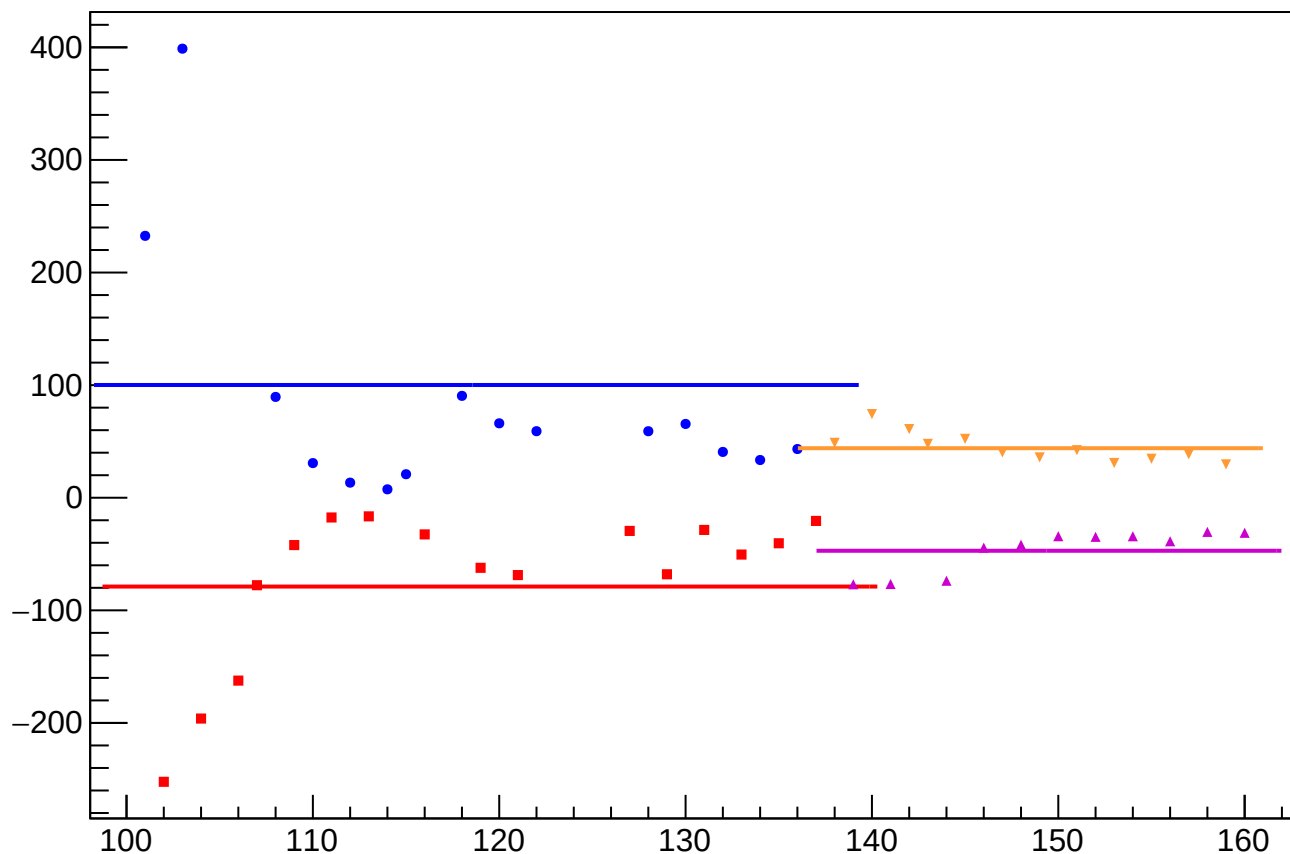
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 1188405782367471

Out: -986.042+/-0.000 χ^2/NDF : 105033900940683

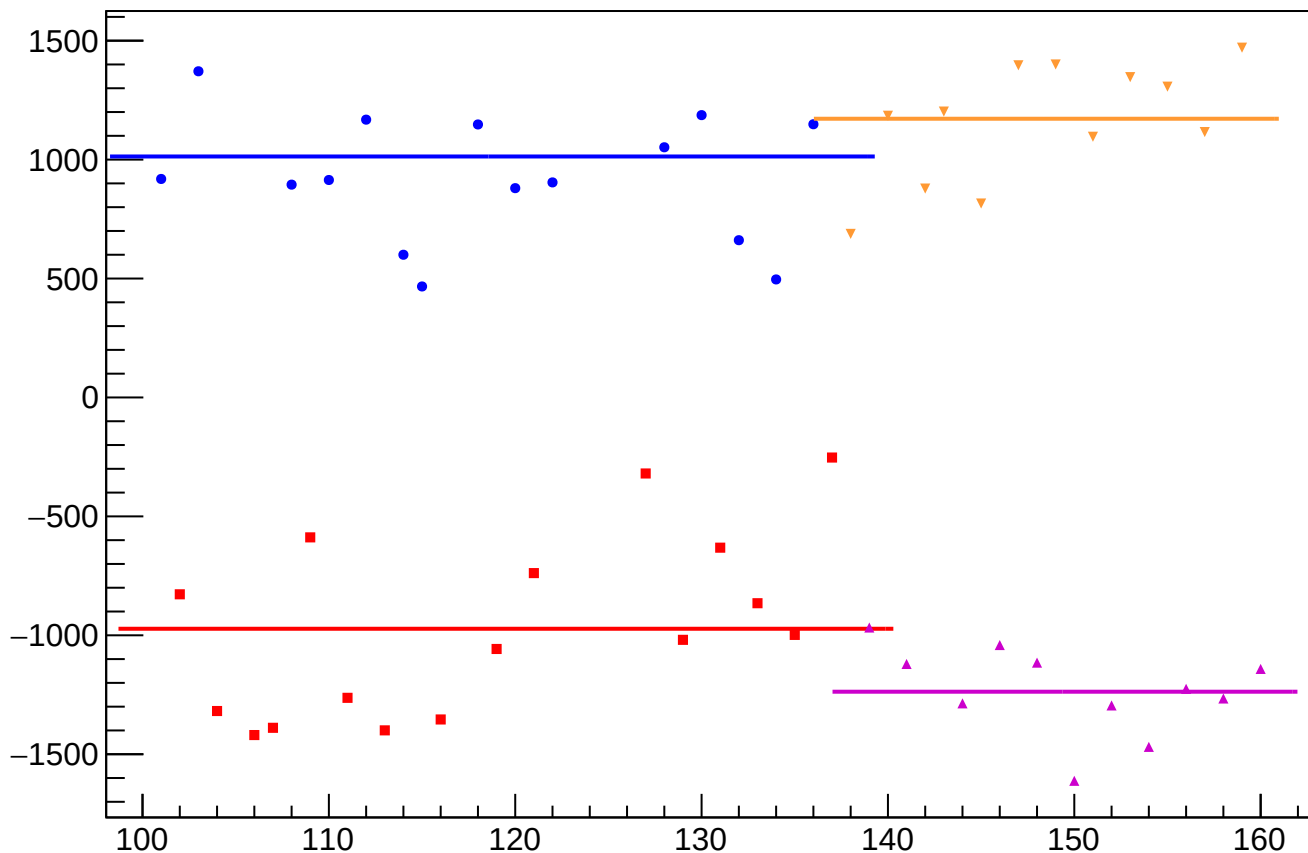
All: 24.957+/-0.000 χ^2/NDF : 2562760992420

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



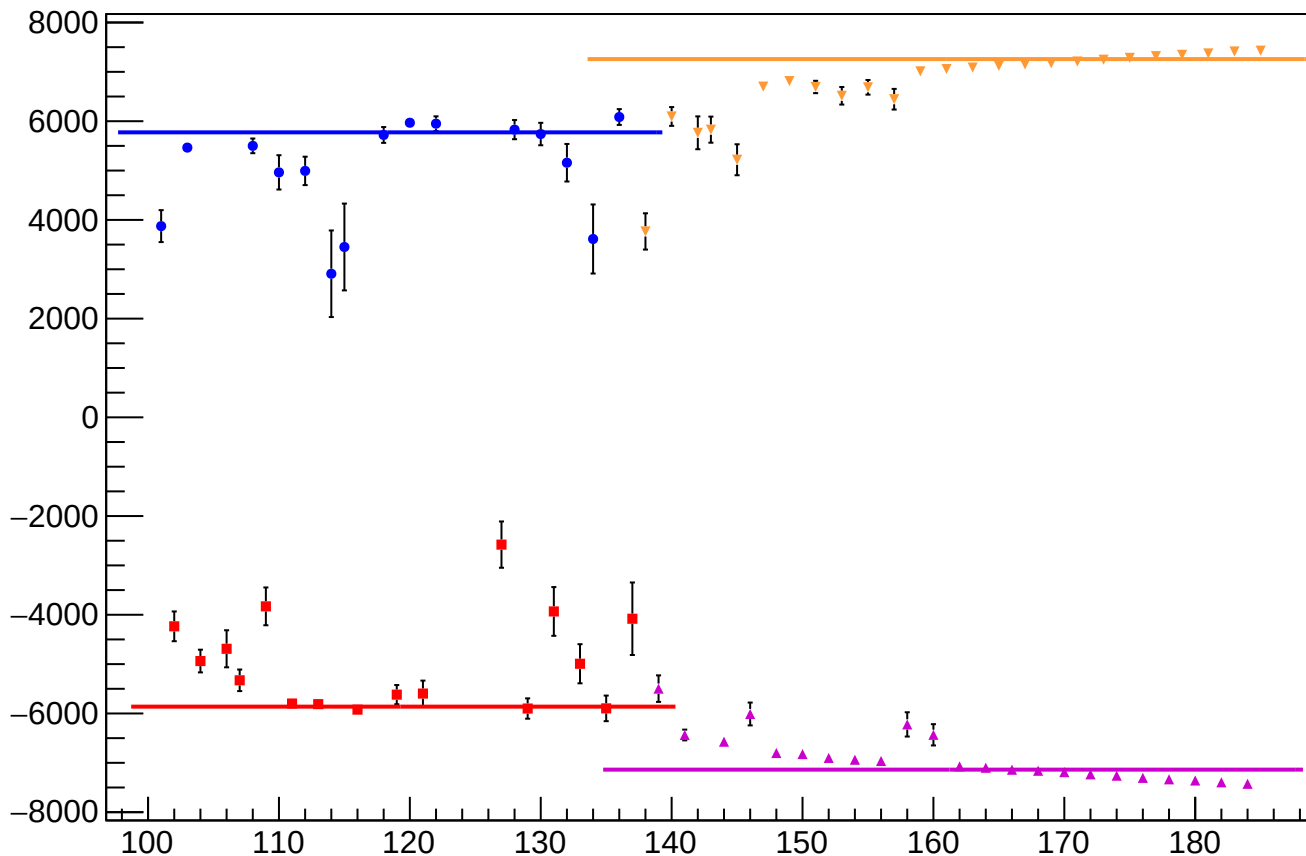
Right In: 100.135+/-0.000 χ^2/NDF : 7813910768784473081480373577053110272.0/14
 Left Out: 43.994+/-0.000 χ^2/NDF : 144038877087981194806470678002270208.0/11
 Right Out: -78.881+/-0.000 χ^2/NDF : 3525129078433901202304301512966275072.0/15
 Left In: -47.092+/-0.000 χ^2/NDF : 302550156086866534805447117402800128.0/10
 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

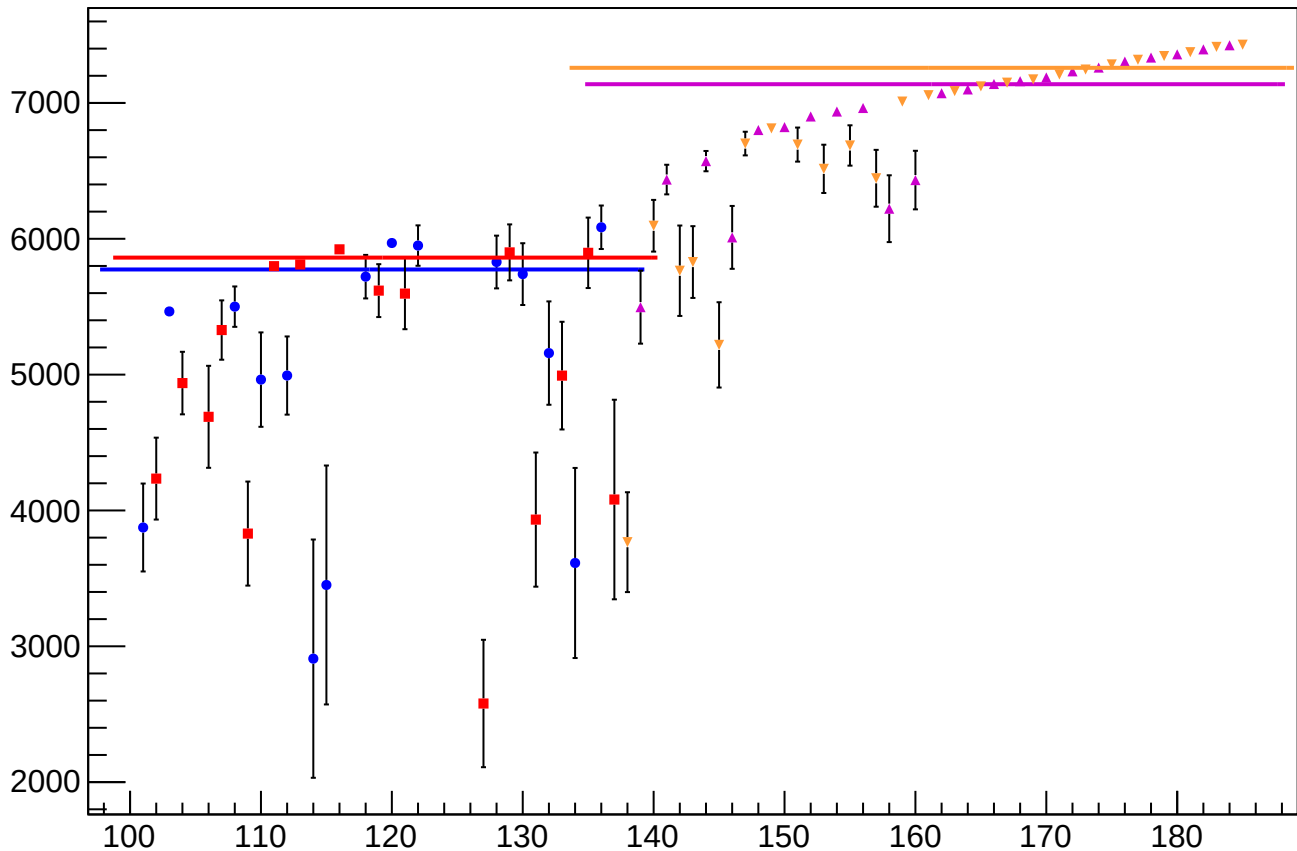
Right: -1536.191+/-0.111 χ^2/NDF : 2585354230.9/30

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

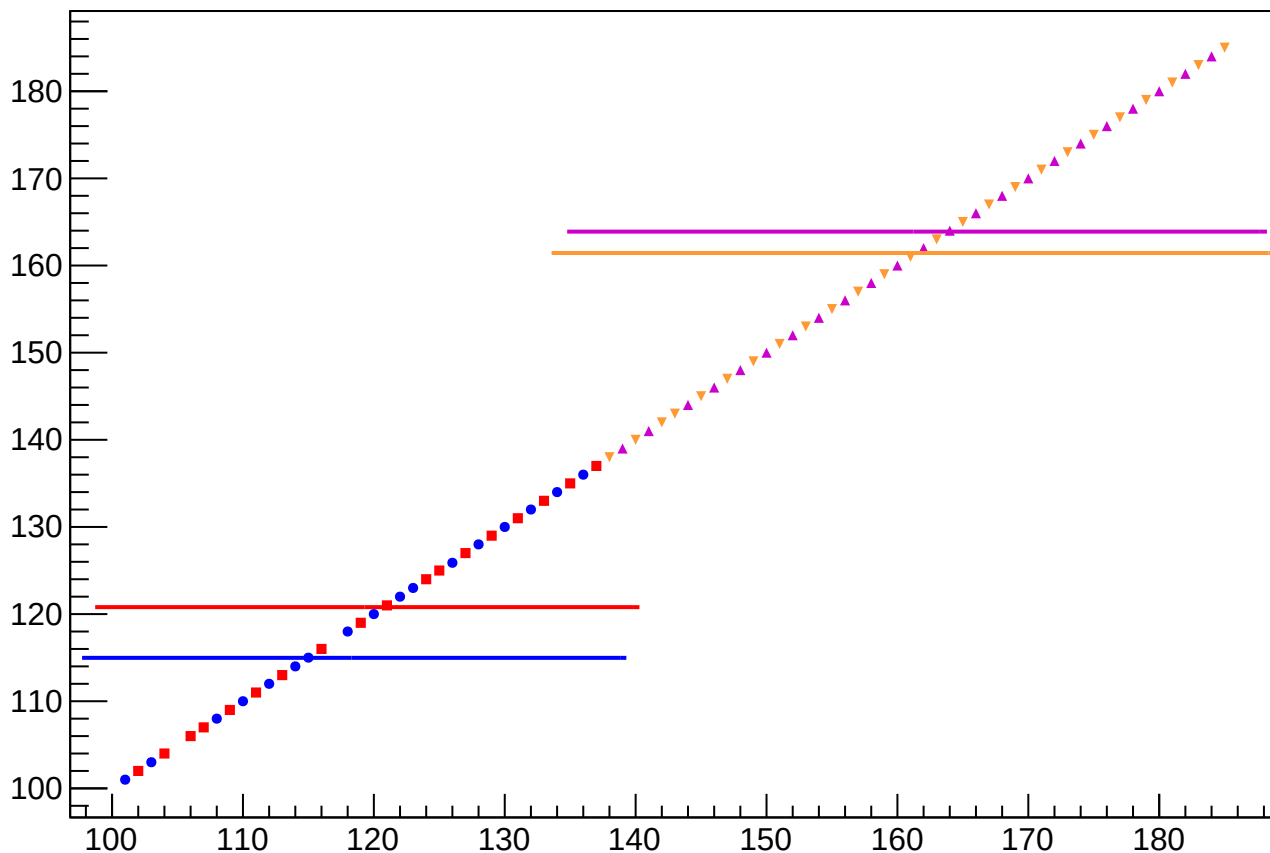
Right: 5828.993 $\pm$ 0.111 χ^2 /NDF: 2154118.4/30

In: 6828.818 $\pm$ 0.086 χ^2 /NDF: 50065585.8/37

Out: 6836.451 $\pm$ 0.077 χ^2 /NDF: 74342923.0/40

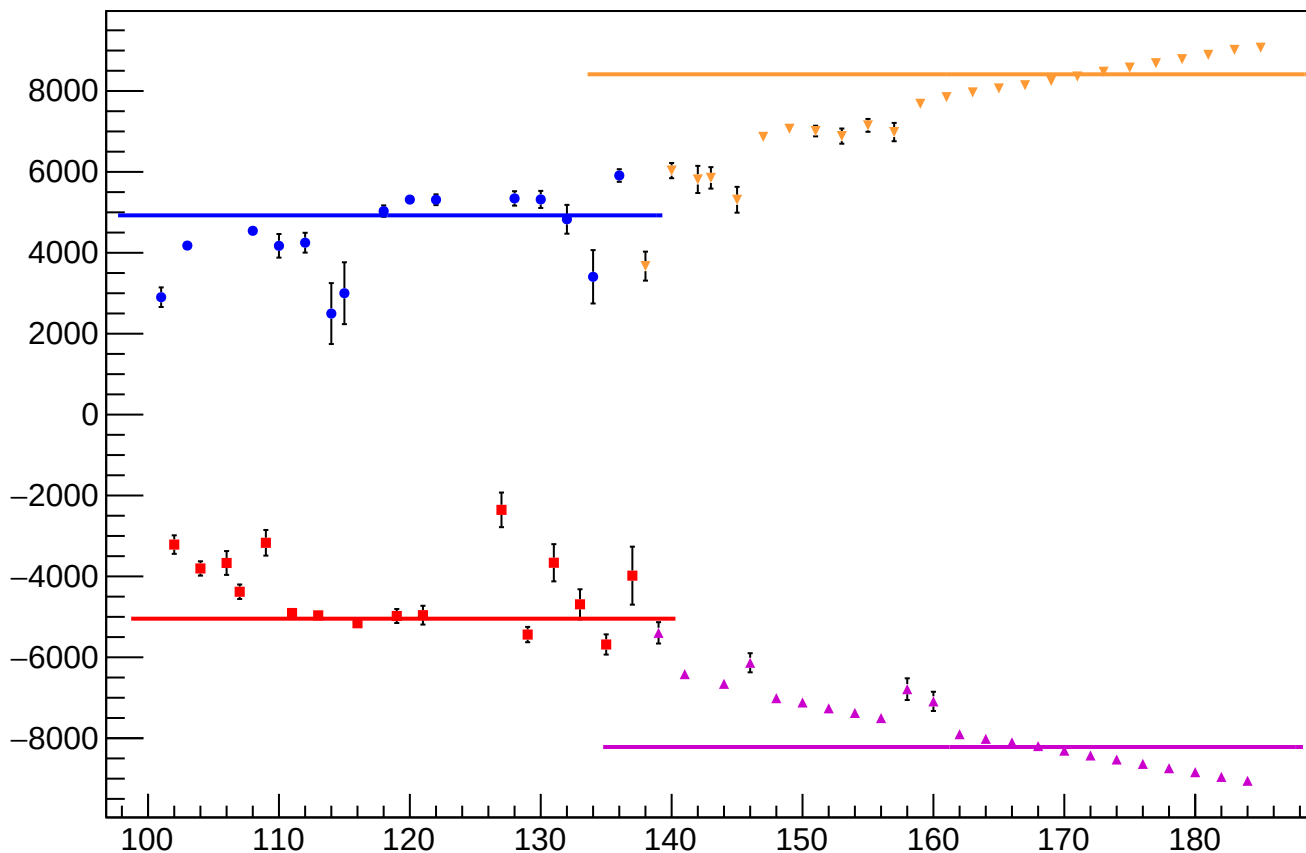
All: 6833.085 $\pm$ 0.057 χ^2 /NDF: 124412873.1

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000	χ^2/NDF : 112344936246012934714934440230912.0/16	Left: 162.851+/-0.000	χ^2/NDF : 3540465111321937
Left Out: 161.437+/-0.000	χ^2/NDF : 144351415086772086919986205949952.0/24	Right: 117.302+/-0.000	χ^2/NDF : 172044633770068
Right Out: 120.798+/-0.000	χ^2/NDF : 39759758039532944522978032353280.0/17	In: 138.150+/-0.000	χ^2/NDF : 19909207355439177
Left In: 163.890+/-0.000	χ^2/NDF : 206308926090069183709360387260416.0/22	Out: 141.079+/-0.000	χ^2/NDF : 9922053725241077
		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 $\chi^2/\text{NDF}: 921962342.7/47$

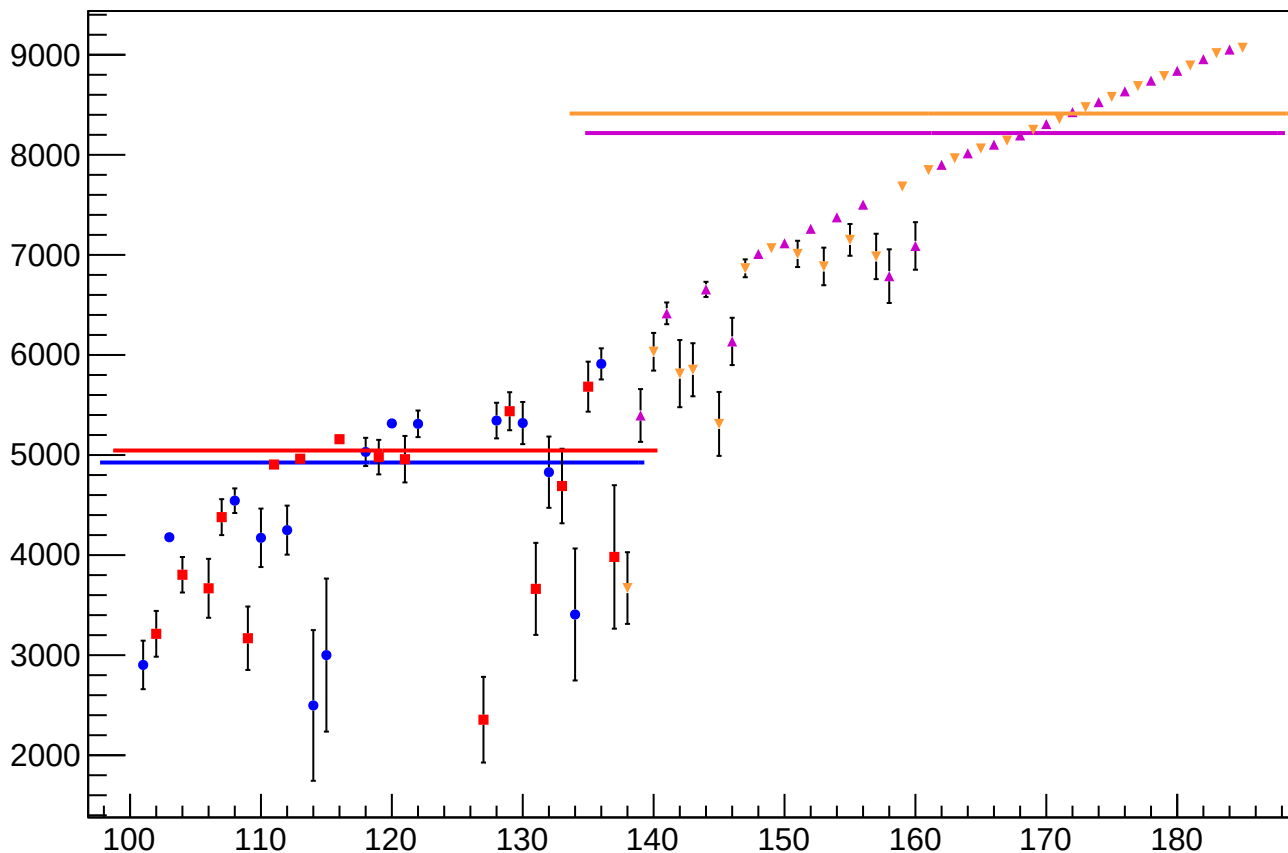
Right: -1694.510 ± 0.544 $\chi^2/\text{NDF}: 75266282.5/30$

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

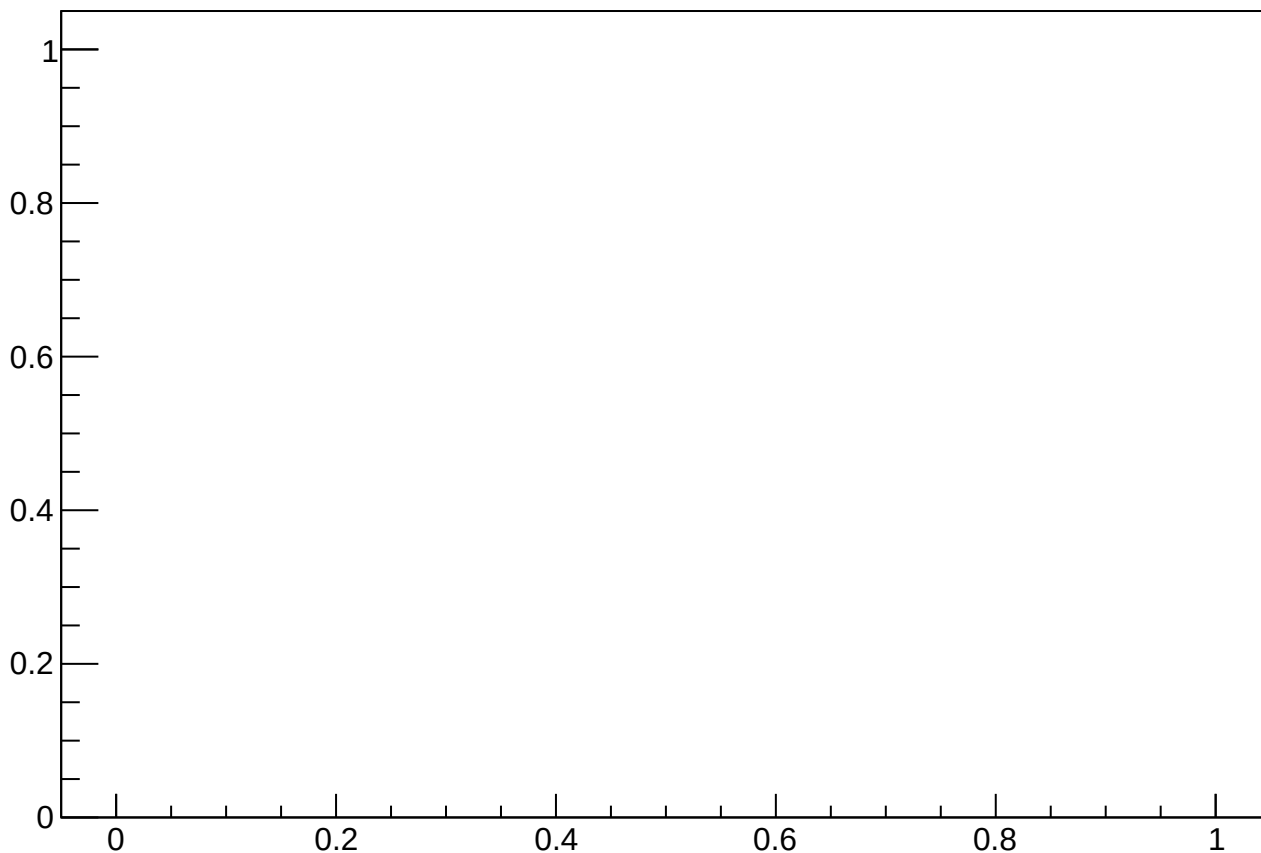
Right: 5004.922 $\pm$ 0.544 χ^2 /NDF: 372009.4/30

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+/-0.000 χ^2/NDF : 0.0/0

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata1_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

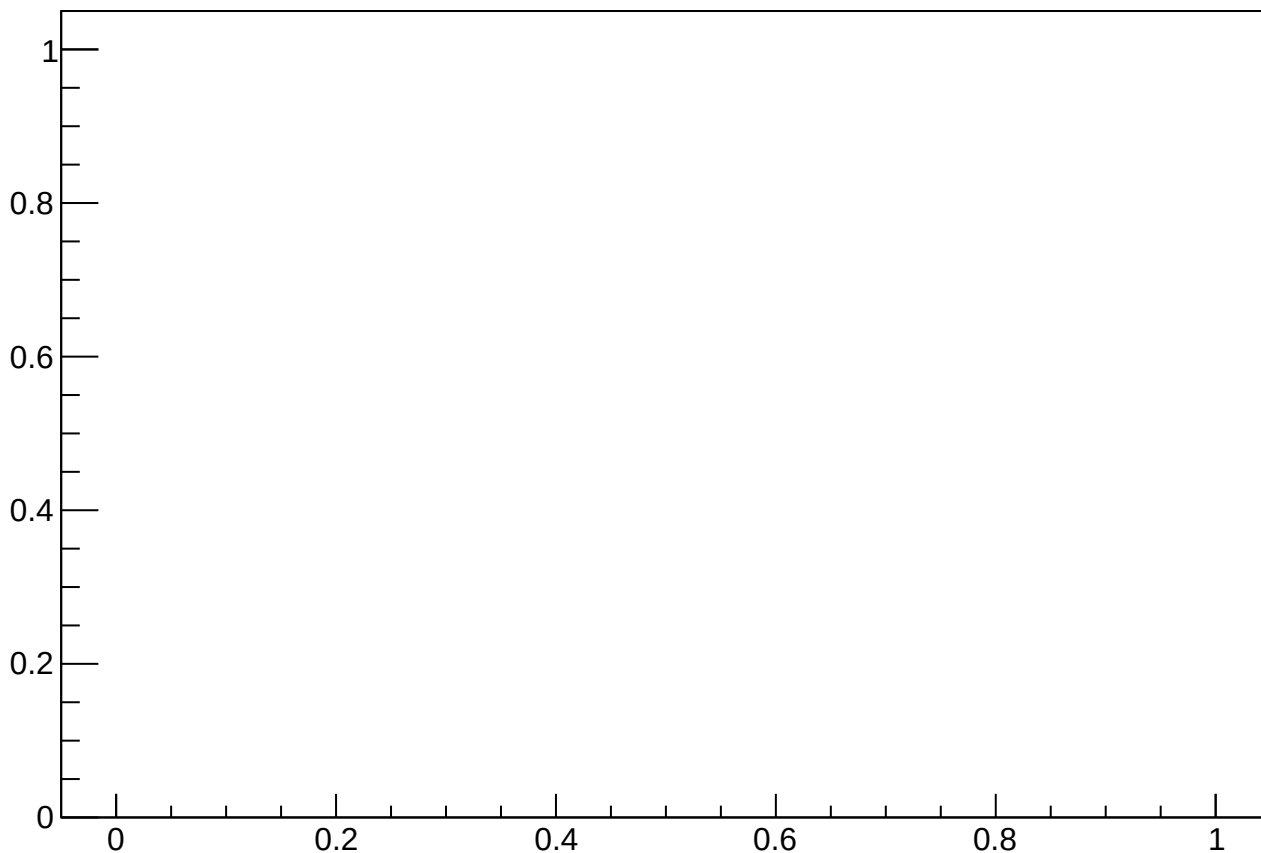
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

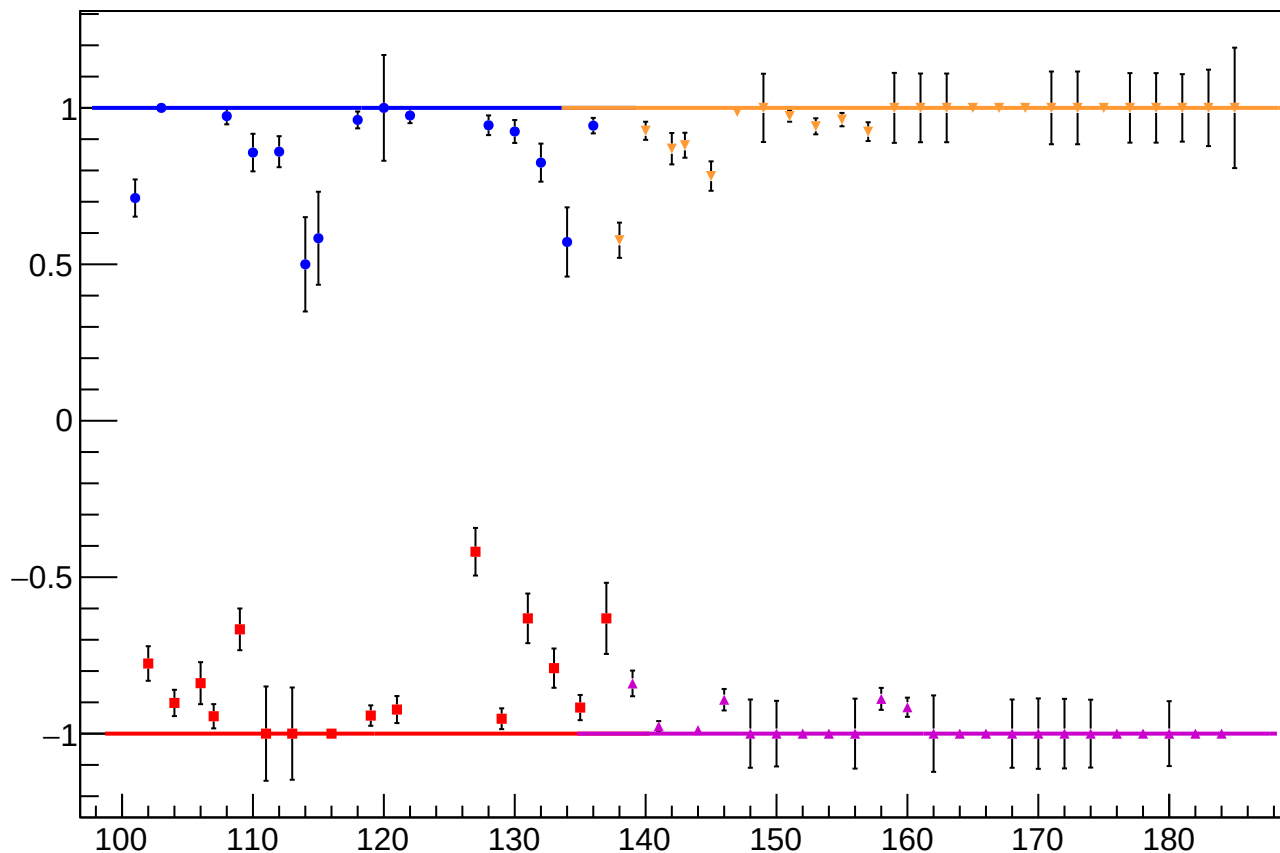
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

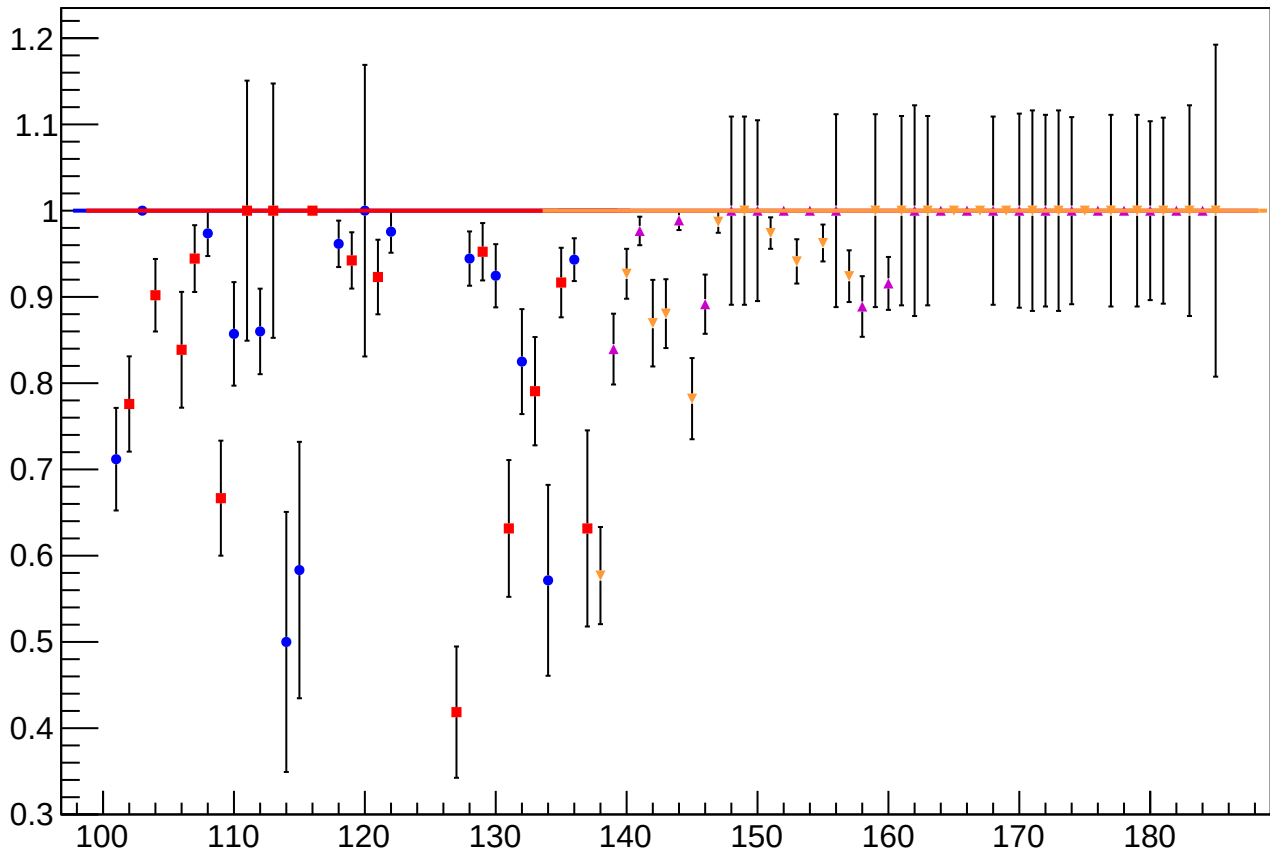
dit_flag_mean vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 $\chi^2/\text{NDF}: 95.9/14$
 Left Out: 1.000 ± 0.000 $\chi^2/\text{NDF}: 1596.8/24$
 Right Out: -1.000 ± 0.000 $\chi^2/\text{NDF}: 168.9/15$
 Left In: -1.000 ± 0.000 $\chi^2/\text{NDF}: 385.6/22$

Left: -0.308 ± 0.000 $\chi^2/\text{NDF}: 25106005466555206$
 Right: 0.398 ± 0.000 $\chi^2/\text{NDF}: 14173250084479480$
 In: -0.878 ± 0.000 $\chi^2/\text{NDF}: 441913906621430577$
 Out: 0.900 ± 0.000 $\chi^2/\text{NDF}: 192642163504562978$
 All: -0.268 ± 0.000 $\chi^2/\text{NDF}: 2731457681481$

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF : 95.9/14

Left Out: 1.000+/-0.000 χ^2/NDF :1596.8/24

Right Out: 1.000+/-0.000 χ^2/NDF : 168.9/15

Left In: 1.000+/-0.000 χ^2/NDF :385.6/22

Left: 1.000+/-0.000 χ^2/NDF : 802.6/47

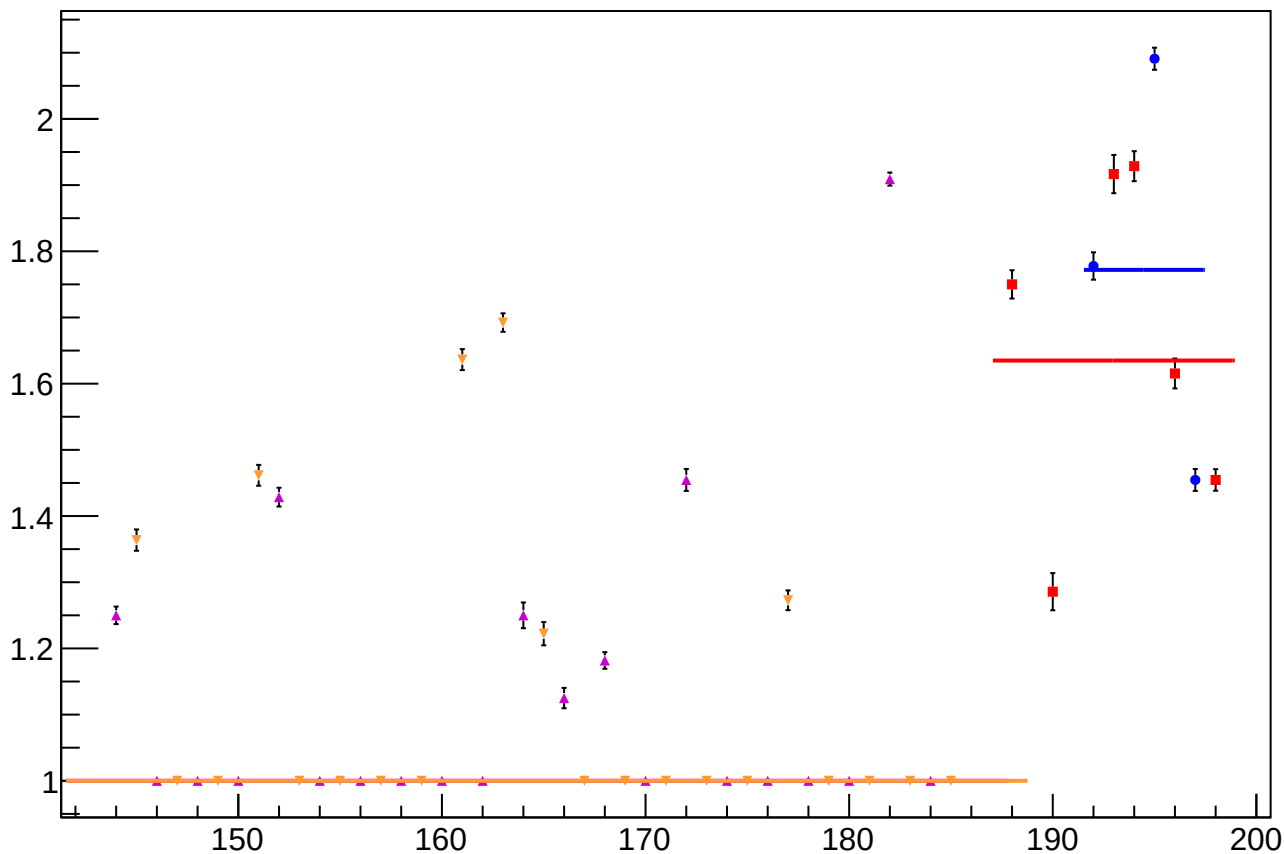
Right: 1.000+/-0.000 χ^2/NDF : 347.8/30

In: 1.000+/-0.000 χ^2/NDF :746.7/37

Out: 1.000+/-0.000 χ^2/NDF :607.7/40

All: 1.000+/-0.000 χ^2/NDF : 1354.4/78

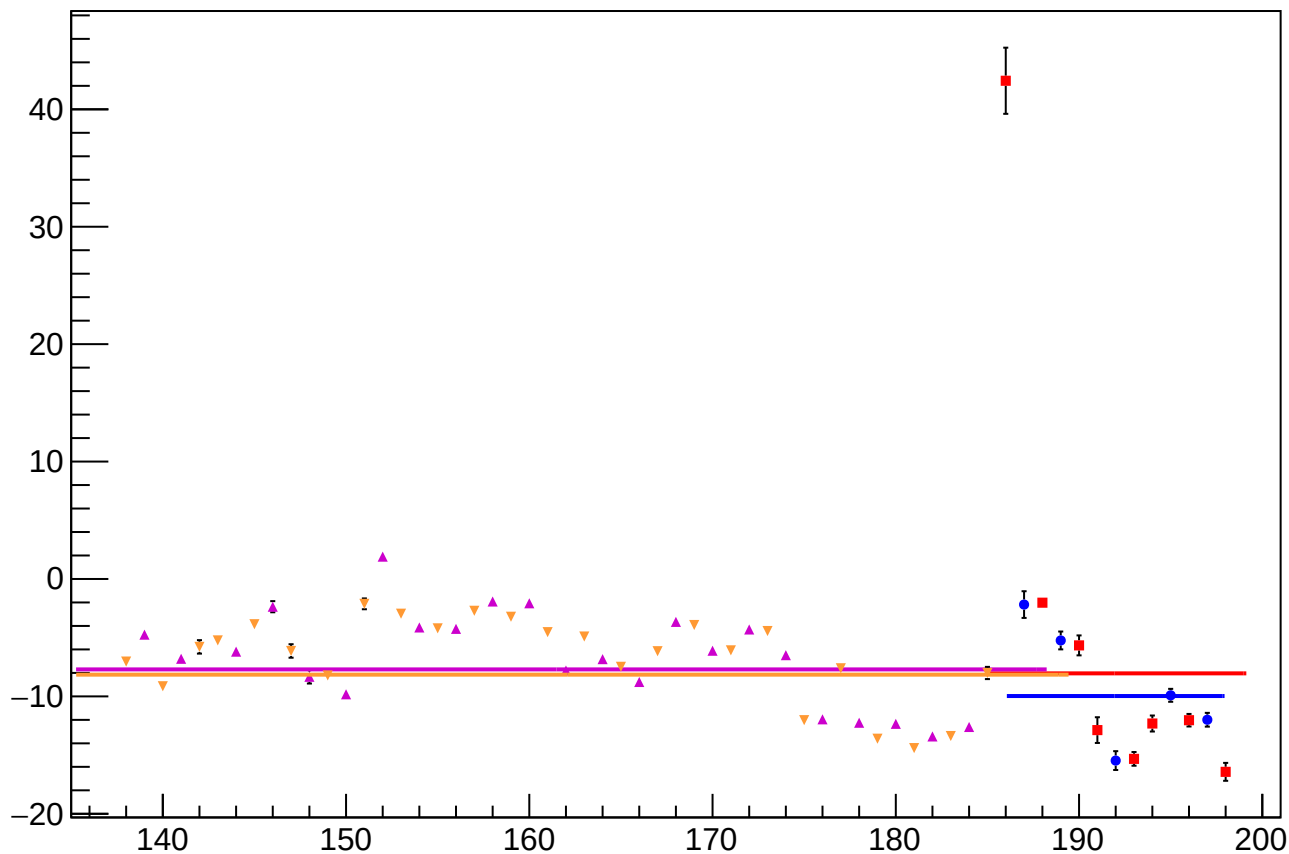
dit_segment_slope vs Slug, Sign Corrected



Right In: 1.772 $\pm$ 0.010 χ^2/NDF : 730.5/2
 Left Out: 1.000 $\pm$ 0.000 χ^2/NDF :18616.2/20
 Right Out: 1.635 $\pm$ 0.009 χ^2/NDF : 570.5/5
 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: 1.695 $\pm$ 0.007 χ^2/NDF : 1402.1/8
 In: 1.000 $\pm$ 0.000 χ^2/NDF :18515.2/23
 Out: 1.000 $\pm$ 0.000 χ^2/NDF :24159.9/26
 All: 1.000 $\pm$ 0.000 χ^2/NDF : 31083.5/50

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.970 ± 0.312 $\chi^2/\text{NDF}: 144.7/4$

Left Out: -8.149 ± 0.068 $\chi^2/\text{NDF}: 3613.1/24$

Right Out: -8.039 ± 0.216 $\chi^2/\text{NDF}: 1040.6/7$

Left In: -7.701 ± 0.068 $\chi^2/\text{NDF}: 3737.2/22$

Left: -7.928 ± 0.048 $\chi^2/\text{NDF}: 7372.0/47$

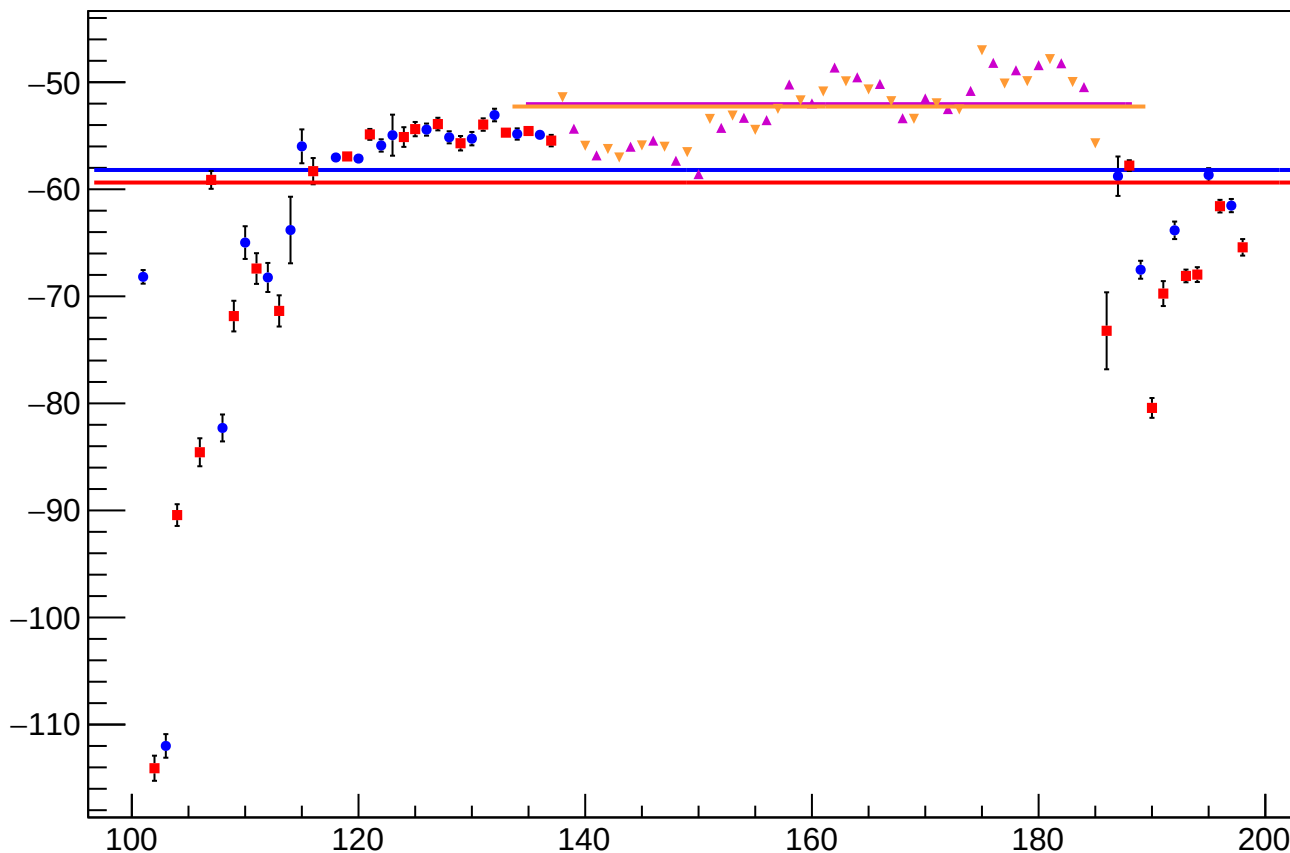
Right: -8.663 ± 0.177 $\chi^2/\text{NDF}: 1211.1/12$

In: -7.805 ± 0.067 $\chi^2/\text{NDF}: 3932.3/27$

Out: -8.139 ± 0.064 $\chi^2/\text{NDF}: 4653.9/32$

All: -7.978 ± 0.046 $\chi^2/\text{NDF}: 8599.1/60$

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -58.198 $\pm$ 0.131 χ^2 /NDF: 3676.8/21

Left Out: -52.271 $\pm$ 0.055 χ^2 /NDF:2609.6/24

Right Out: -59.371 $\pm$ 0.125 χ^2 /NDF: 5556.4/25

Left In: -52.050 $\pm$ 0.057 χ^2 /NDF:3197.5/22

Left: -52.164 $\pm$ 0.040 χ^2 /NDF: 5814.9/47

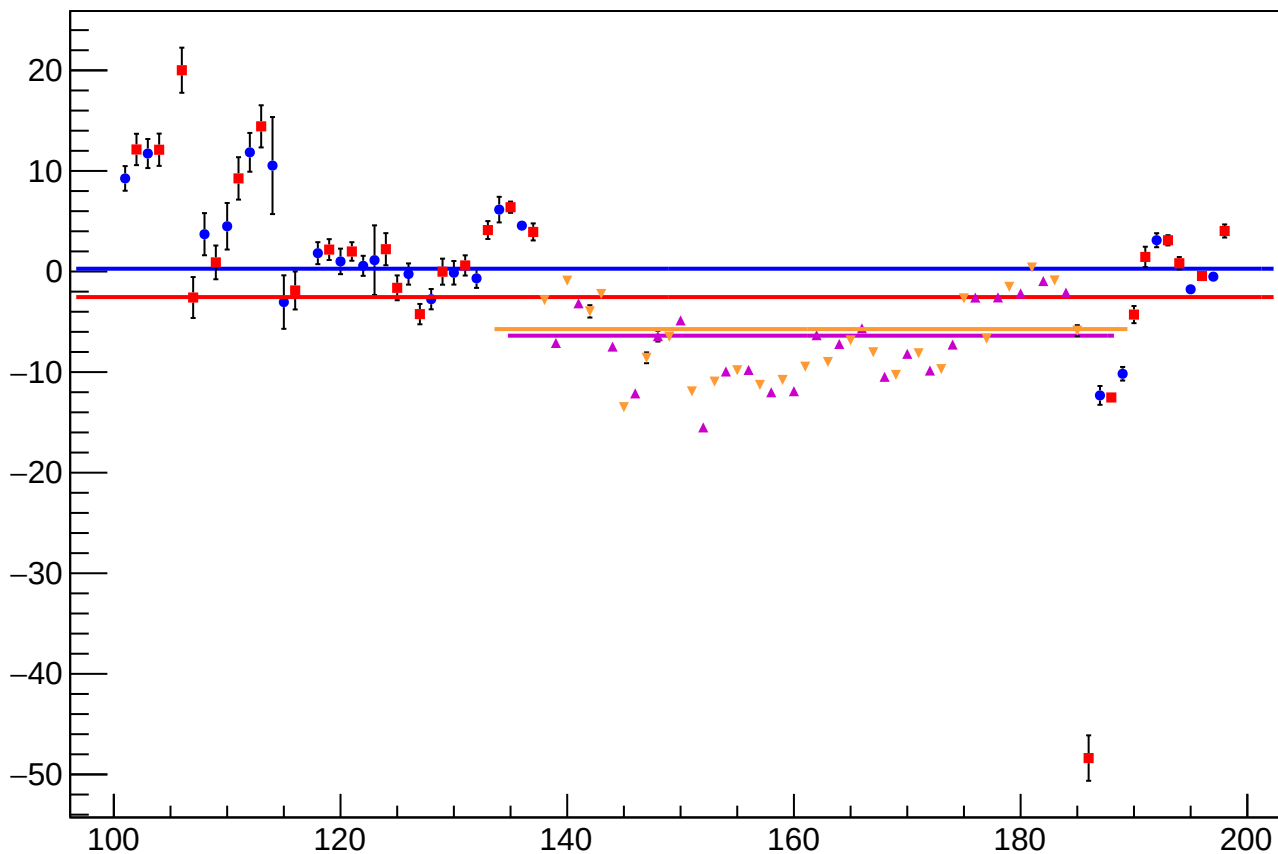
Right: -58.813 $\pm$ 0.090 χ^2 /NDF: 9275.2/47

In: -53.028 $\pm$ 0.052 χ^2 /NDF:8726.2/44

Out: -53.432 $\pm$ 0.050 χ^2 /NDF:10871.4/50

All: -53.237 $\pm$ 0.036 χ^2 /NDF: 19628.5/95

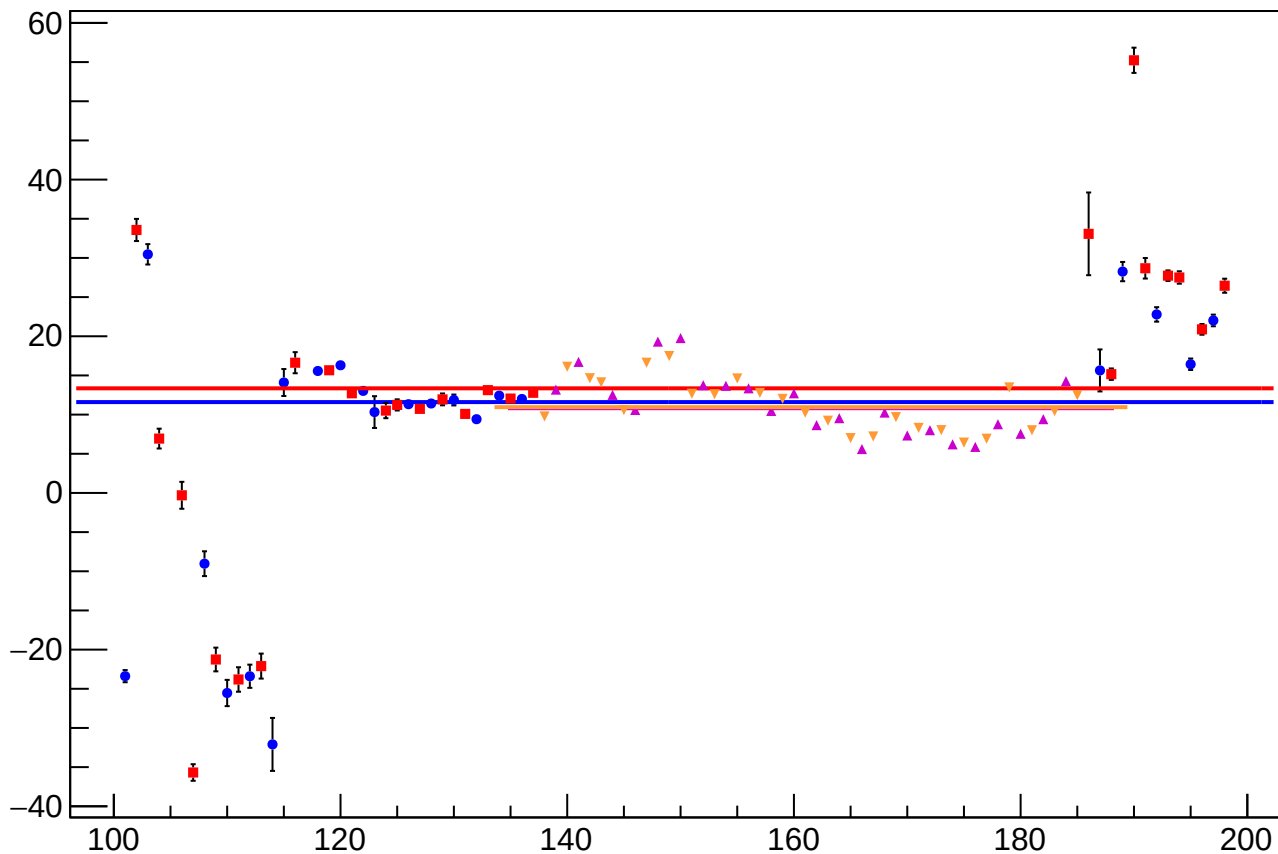
reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.278 ± 0.186 $\chi^2/\text{NDF}: 768.7/21$
 Left Out: -5.725 ± 0.068 $\chi^2/\text{NDF}: 3989.1/24$
 Right Out: -2.541 ± 0.151 $\chi^2/\text{NDF}: 2866.6/25$
 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: -1.417 ± 0.117 $\chi^2/\text{NDF}: 3773.8/47$
 In: -5.586 ± 0.064 $\chi^2/\text{NDF}: 5296.7/44$
 Out: -5.193 ± 0.062 $\chi^2/\text{NDF}: 7224.7/50$
 All: -5.382 ± 0.044 $\chi^2/\text{NDF}: 12540.8/95$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.598 $\pm$ 0.147 χ^2 /NDF: 4352.6/21

Left Out: 10.950 $\pm$ 0.062 χ^2 /NDF: 2620.4/24

Right Out: 13.354 $\pm$ 0.143 χ^2 /NDF: 6074.4/25

Left In: 10.818 $\pm$ 0.063 χ^2 /NDF: 3577.7/22

Left: 10.886 $\pm$ 0.044 χ^2 /NDF: 6200.3/47

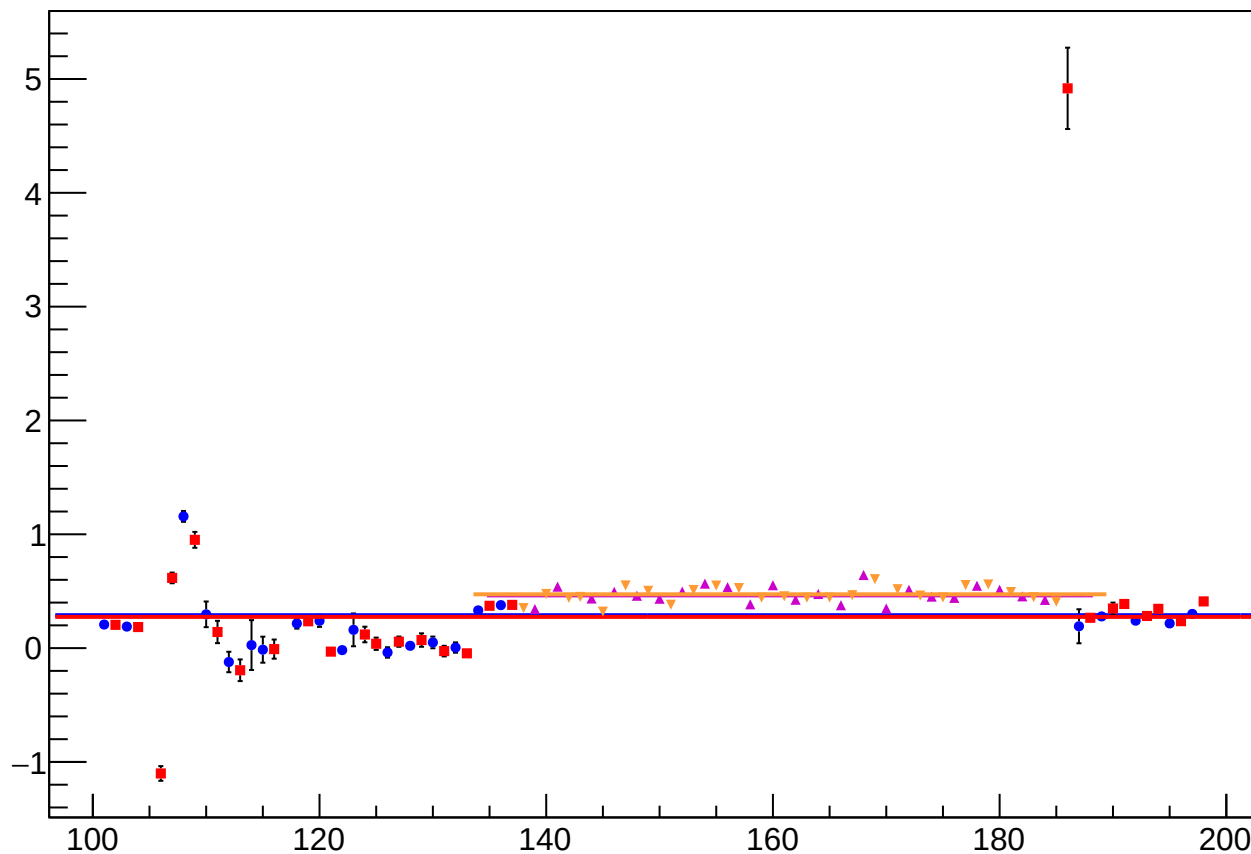
Right: 12.501 $\pm$ 0.102 χ^2 /NDF: 10500.6/47

In: 10.939 $\pm$ 0.058 χ^2 /NDF: 7954.1/44

Out: 11.327 $\pm$ 0.056 χ^2 /NDF: 8934.1/50

All: 11.138 $\pm$ 0.040 χ^2 /NDF: 16911.2/95

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.289 $\pm$ 0.007 χ^2 /NDF: 663.8/21

Left Out: 0.473 $\pm$ 0.003 χ^2 /NDF:515.0/24

Right Out: 0.275 $\pm$ 0.007 χ^2 /NDF: 1183.2/25

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

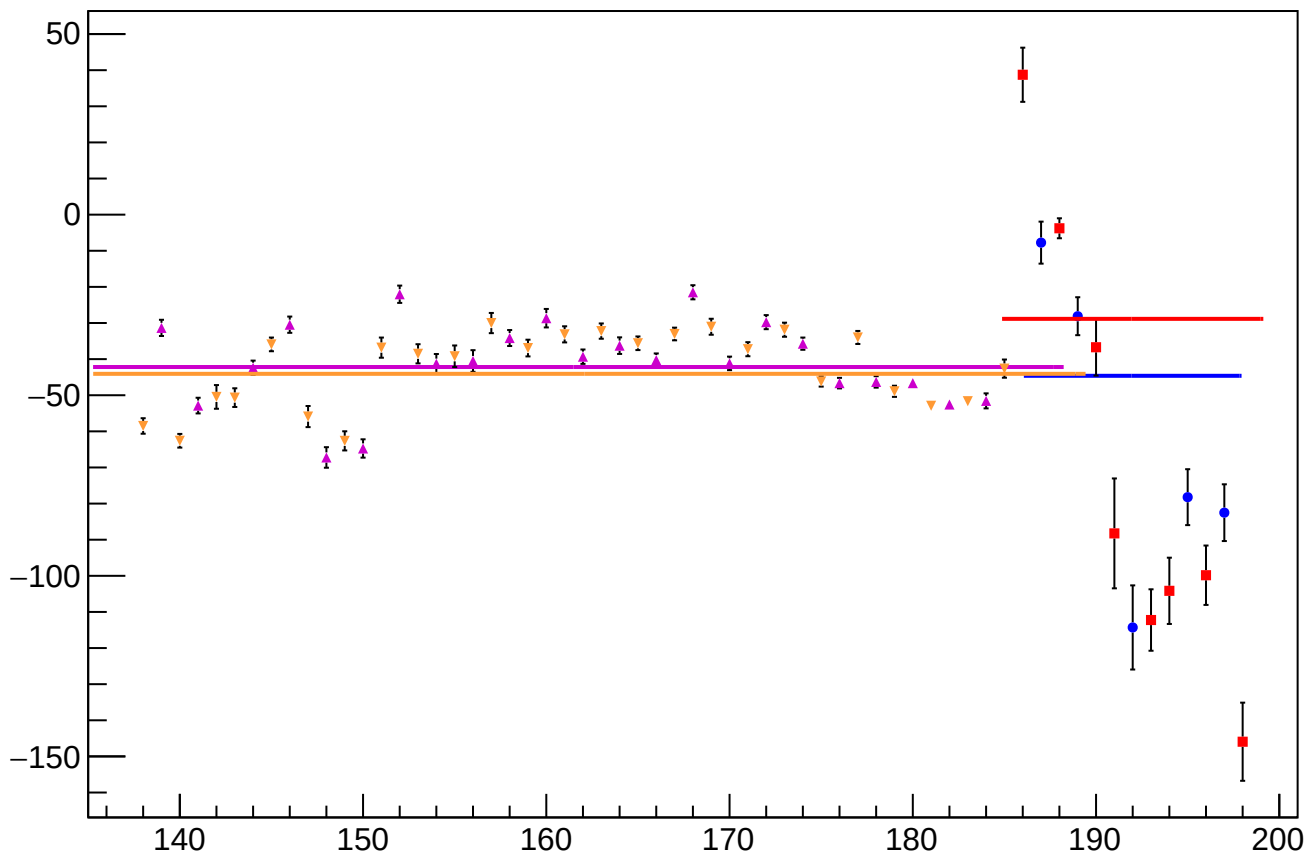
Right: 0.281 $\pm$ 0.005 χ^2 /NDF: 1849.4/47

In: 0.440 $\pm$ 0.003 χ^2 /NDF:1952.1/44

Out: 0.442 $\pm$ 0.003 χ^2 /NDF:2485.3/50

All: 0.441 $\pm$ 0.002 χ^2 /NDF: 4438.0/95

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -44.618 ± 3.071 χ^2/NDF : 127.9/4

Left Out: -44.074 ± 0.389 χ^2/NDF : 632.8/24

Right Out: -28.851 ± 2.141 χ^2/NDF : 534.8/7

Left In: -42.185 ± 0.398 χ^2/NDF : 651.0/22

Left: -43.149 ± 0.278 χ^2/NDF : 1295.4/47

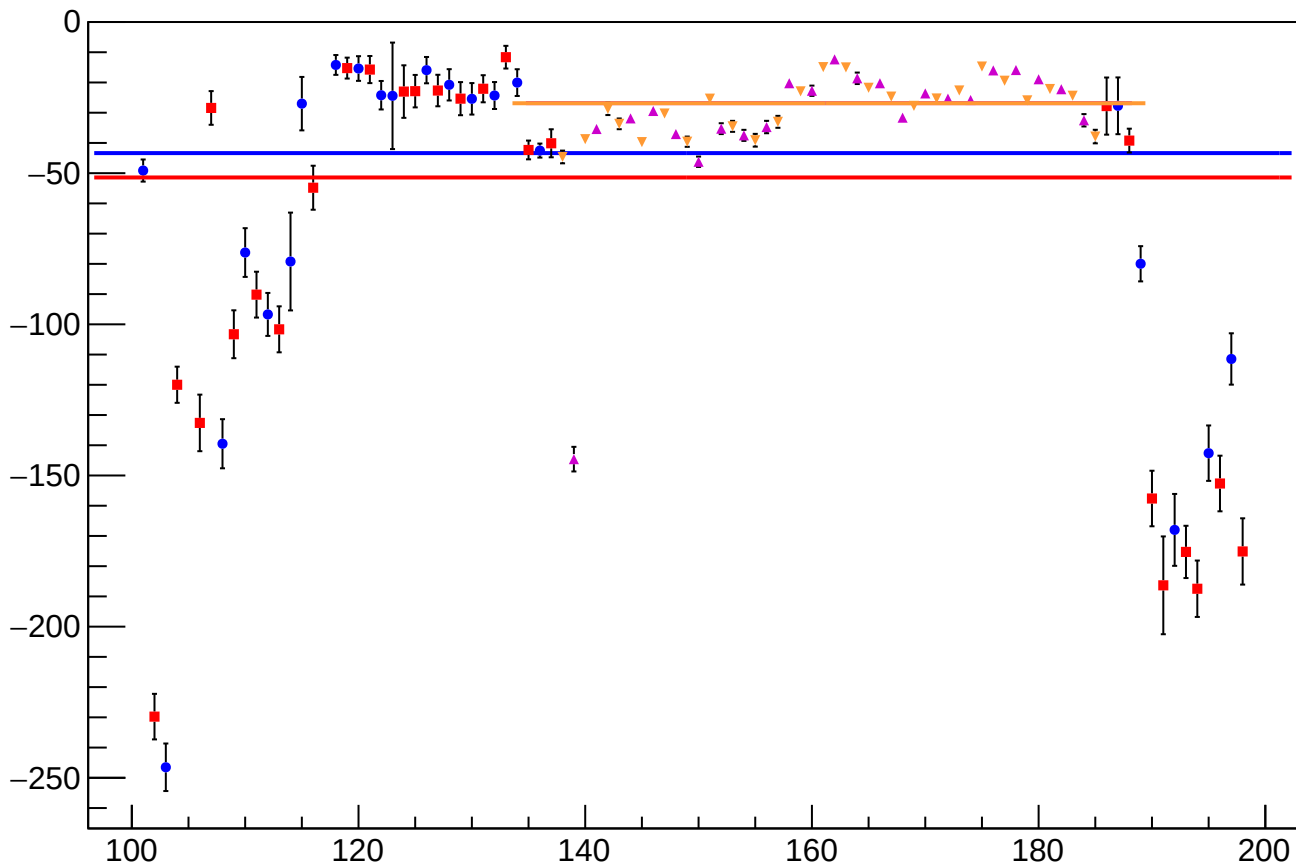
Right: -34.009 ± 1.756 χ^2/NDF : 680.5/12

In: -42.225 ± 0.394 χ^2/NDF : 779.6/27

Out: -43.587 ± 0.383 χ^2/NDF : 1216.6/32

All: -42.926 ± 0.275 χ^2/NDF : 2002.3/60

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -43.362 ± 1.086 χ^2/NDF : 1486.1/21

Left Out: -26.867 ± 0.317 χ^2/NDF : 629.1/24

Right Out: -51.421 ± 1.106 χ^2/NDF : 2216.7/25

Left In: -26.825 ± 0.325 χ^2/NDF : 1481.6/22

Left: -26.847 ± 0.227 χ^2/NDF : 2110.7/47

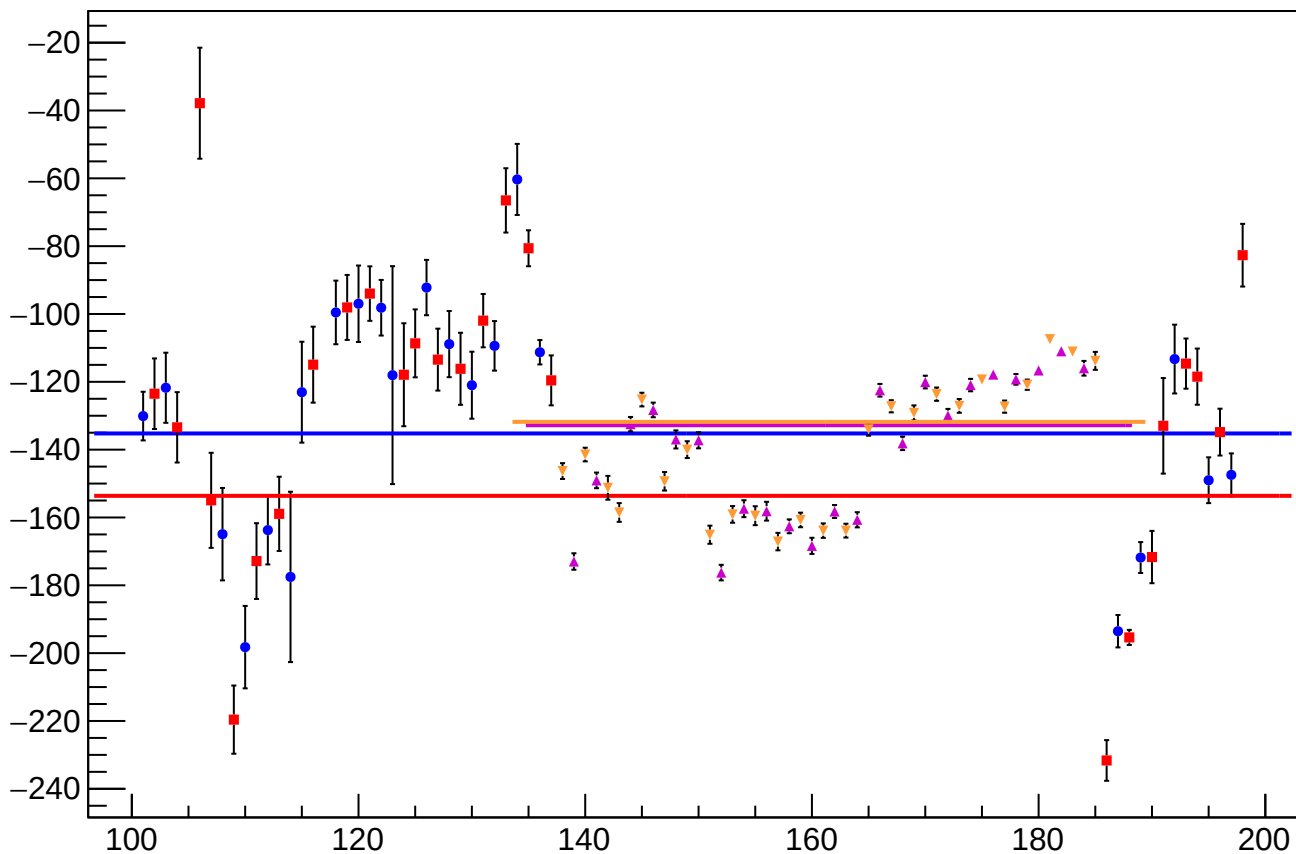
Right: -47.319 ± 0.775 χ^2/NDF : 3729.9/47

In: -28.187 ± 0.312 χ^2/NDF : 3180.3/44

Out: -28.731 ± 0.305 χ^2/NDF : 3301.3/50

All: -28.465 ± 0.218 χ^2/NDF : 6483.2/95

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -135.224 ± 1.619 $\chi^2/\text{NDF}: 463.0/21$

Left Out: -131.805 ± 0.392 $\chi^2/\text{NDF}: 2417.0/24$

Right Out: -153.616 ± 1.386 $\chi^2/\text{NDF}: 1244.8/25$

Left In: -132.799 ± 0.398 $\chi^2/\text{NDF}: 2515.9/22$

Left: -132.294 ± 0.279 $\chi^2/\text{NDF}: 4936.0/47$

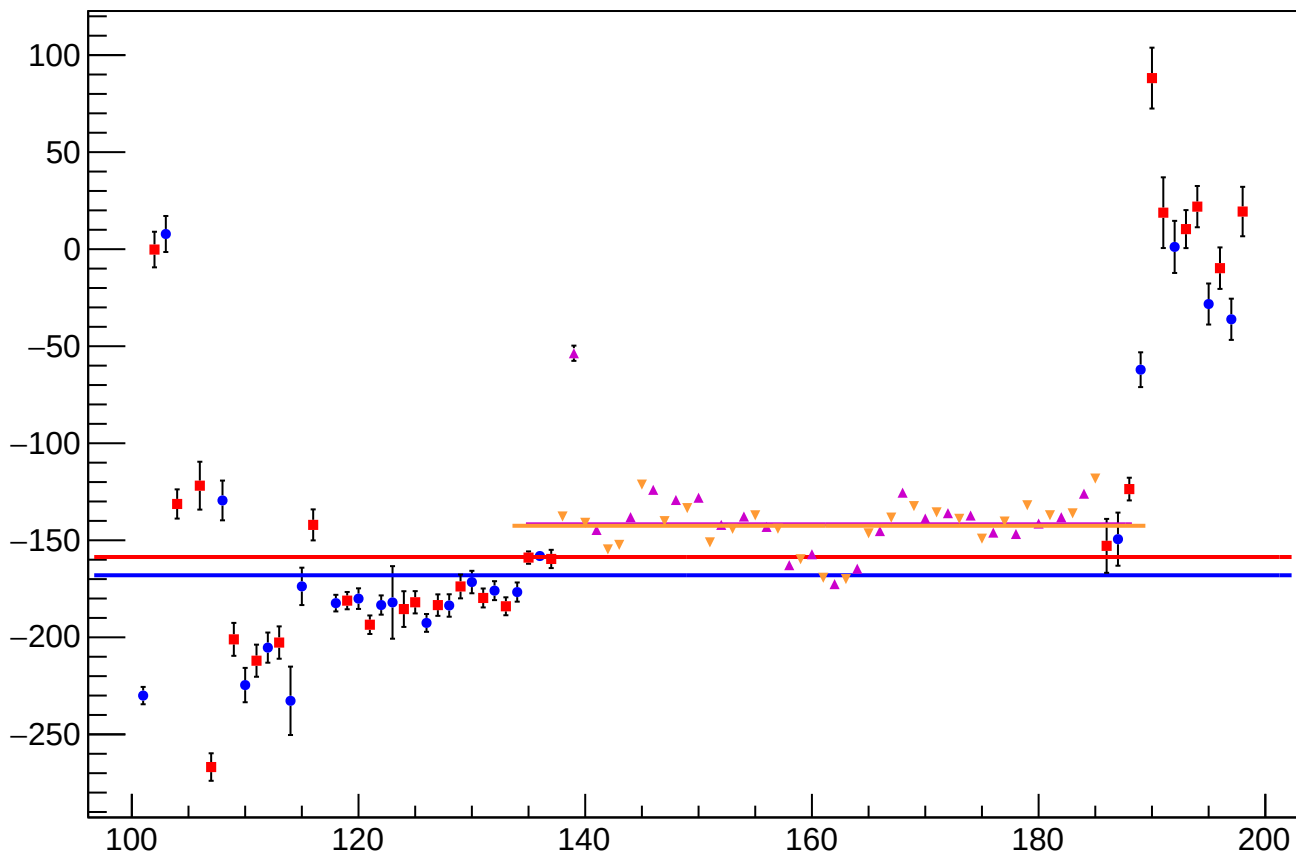
Right: -145.841 ± 1.053 $\chi^2/\text{NDF}: 1782.3/47$

In: -132.937 ± 0.386 $\chi^2/\text{NDF}: 2981.0/44$

Out: -133.422 ± 0.377 $\chi^2/\text{NDF}: 3891.2/50$

All: -133.185 ± 0.270 $\chi^2/\text{NDF}: 6873.0/95$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -168.021 ± 1.228 χ^2/NDF : 1359.0/21

Left Out: -142.517 ± 0.355 χ^2/NDF : 1144.2/24

Right Out: -158.610 ± 1.271 χ^2/NDF : 2184.7/25

Left In: -141.769 ± 0.363 χ^2/NDF : 1604.4/22

Left: -142.151 ± 0.254 χ^2/NDF : 2750.7/47

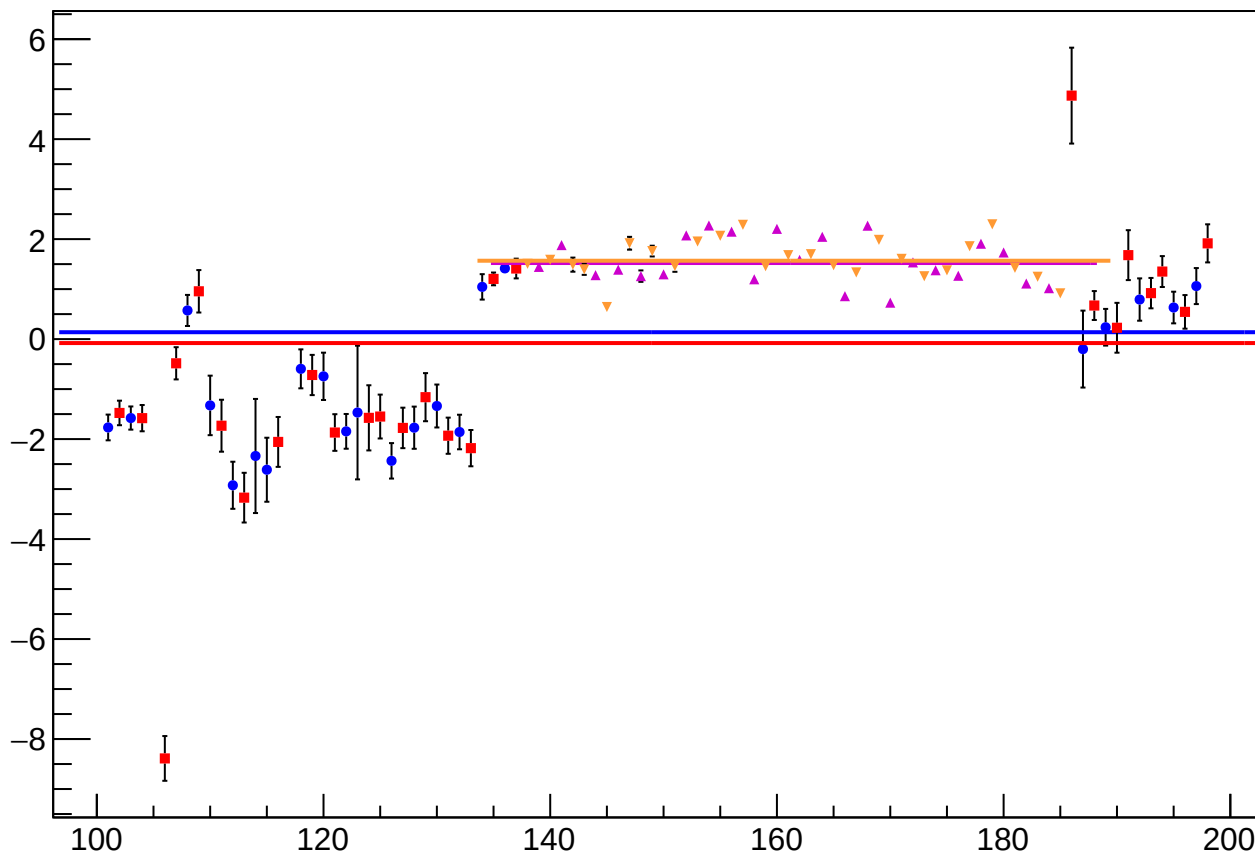
Right: -163.479 ± 0.883 χ^2/NDF : 3572.0/47

In: -143.876 ± 0.348 χ^2/NDF : 3383.9/44

Out: -143.680 ± 0.342 χ^2/NDF : 3477.5/50

All: -143.776 ± 0.244 χ^2/NDF : 6861.6/95

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.138 ± 0.063 χ^2/NDF : 538.9/21

Left Out: 1.568 ± 0.016 χ^2/NDF : 541.0/24

Right Out: -0.079 ± 0.063 χ^2/NDF : 874.3/25

Left In: 1.522 ± 0.016 χ^2/NDF : 739.1/22

Left: 1.545 ± 0.012 χ^2/NDF : 1284.1/47

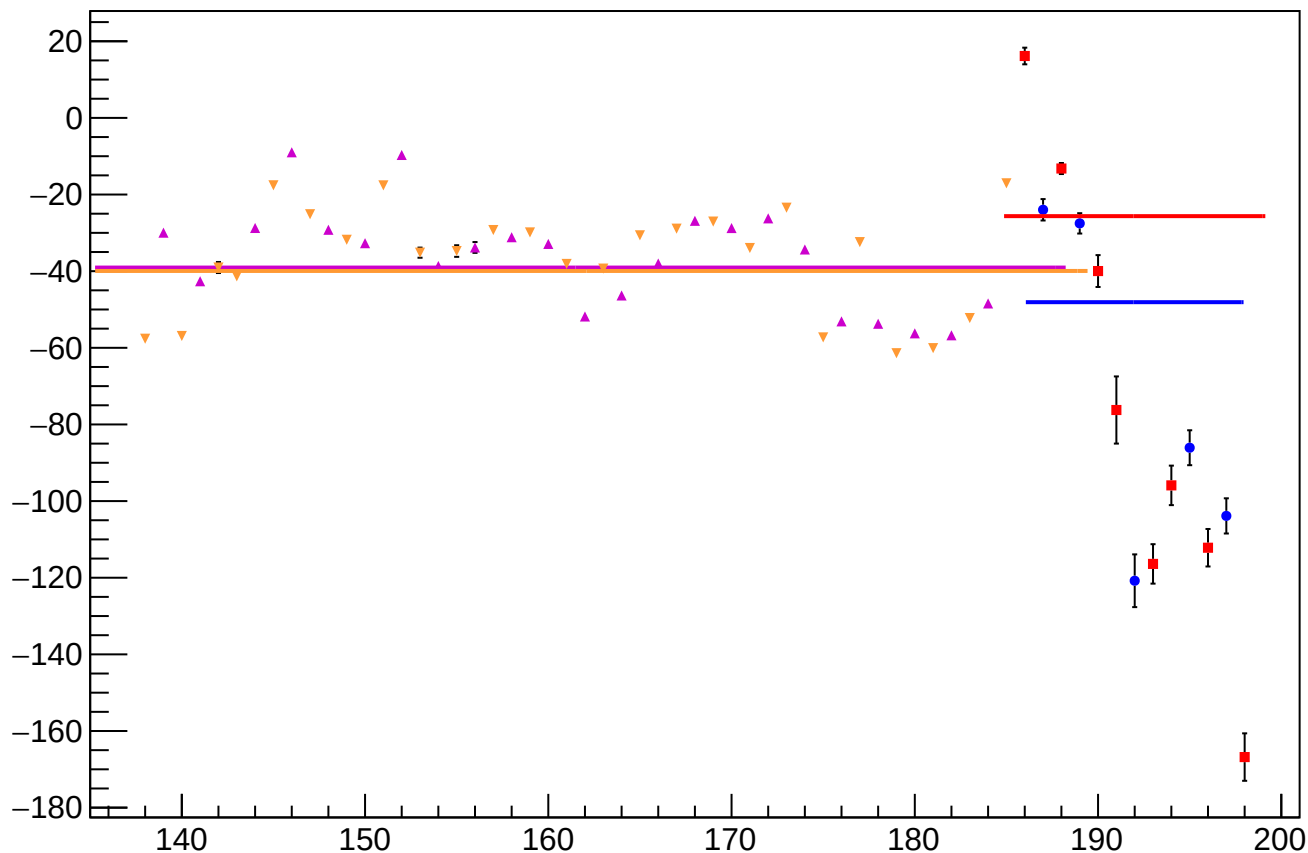
Right: 0.029 ± 0.044 χ^2/NDF : 1419.2/47

In: 1.433 ± 0.016 χ^2/NDF : 1735.6/44

Out: 1.464 ± 0.016 χ^2/NDF : 2063.6/50

All: 1.449 ± 0.011 χ^2/NDF : 3801.2/95

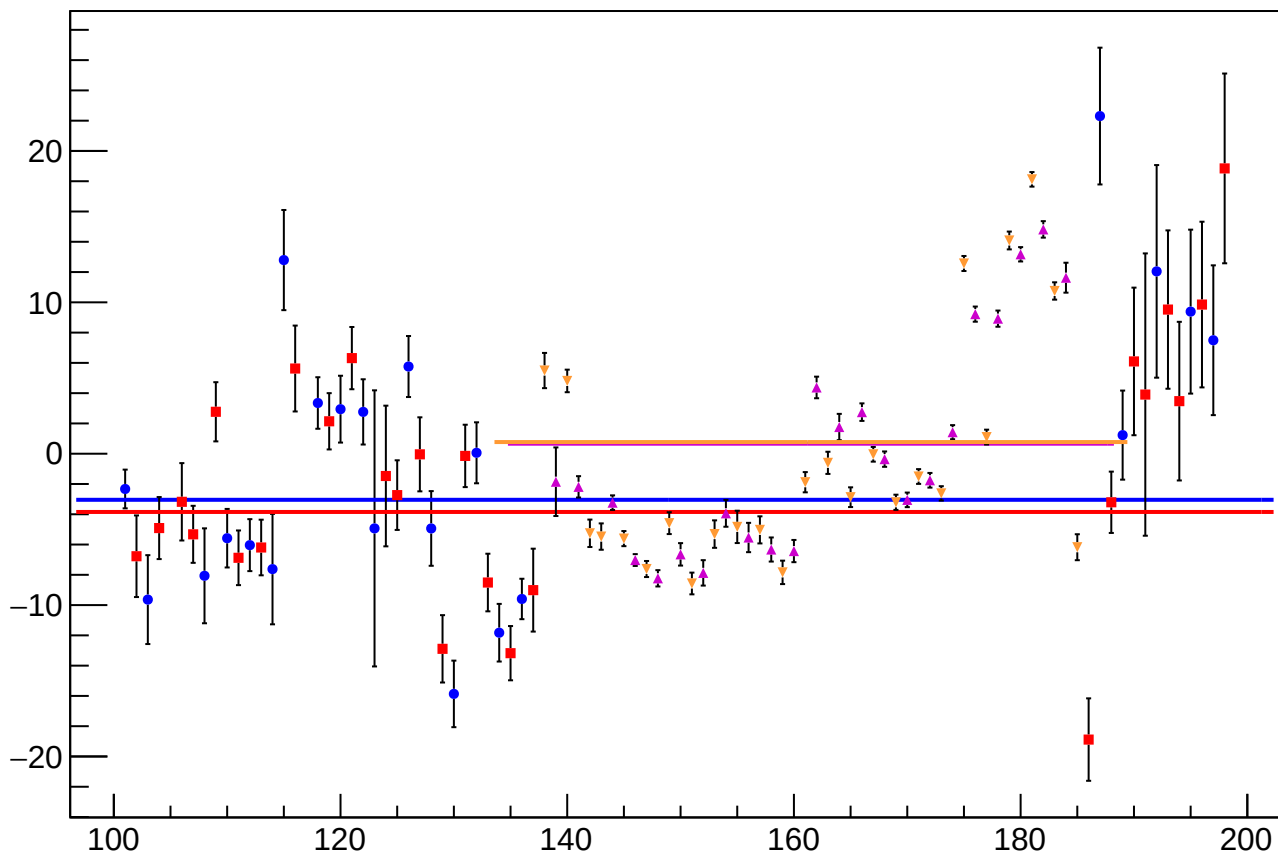
reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -48.091 ± 1.608 $\chi^2/\text{NDF}: 463.2/4$
 Left Out: -39.942 ± 0.153 $\chi^2/\text{NDF}: 9806.2/24$
 Right Out: -25.640 ± 1.049 $\chi^2/\text{NDF}: 1819.1/7$
 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: -32.345 ± 0.879 $\chi^2/\text{NDF}: 2419.1/12$
 In: -39.142 ± 0.153 $\chi^2/\text{NDF}: 9071.5/27$
 Out: -39.643 ± 0.152 $\chi^2/\text{NDF}: 11807.2/32$
 All: -39.395 ± 0.108 $\chi^2/\text{NDF}: 20884.1/60$

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.044 ± 0.480 χ^2/NDF : 215.4/21

Left Out: 0.770 ± 0.124 χ^2/NDF : 3952.9/24

Right Out: -3.848 ± 0.474 χ^2/NDF : 186.6/25

Left In: 0.662 ± 0.124 χ^2/NDF : 3340.9/22

Left: 0.716 ± 0.088 χ^2/NDF : 7294.2/47

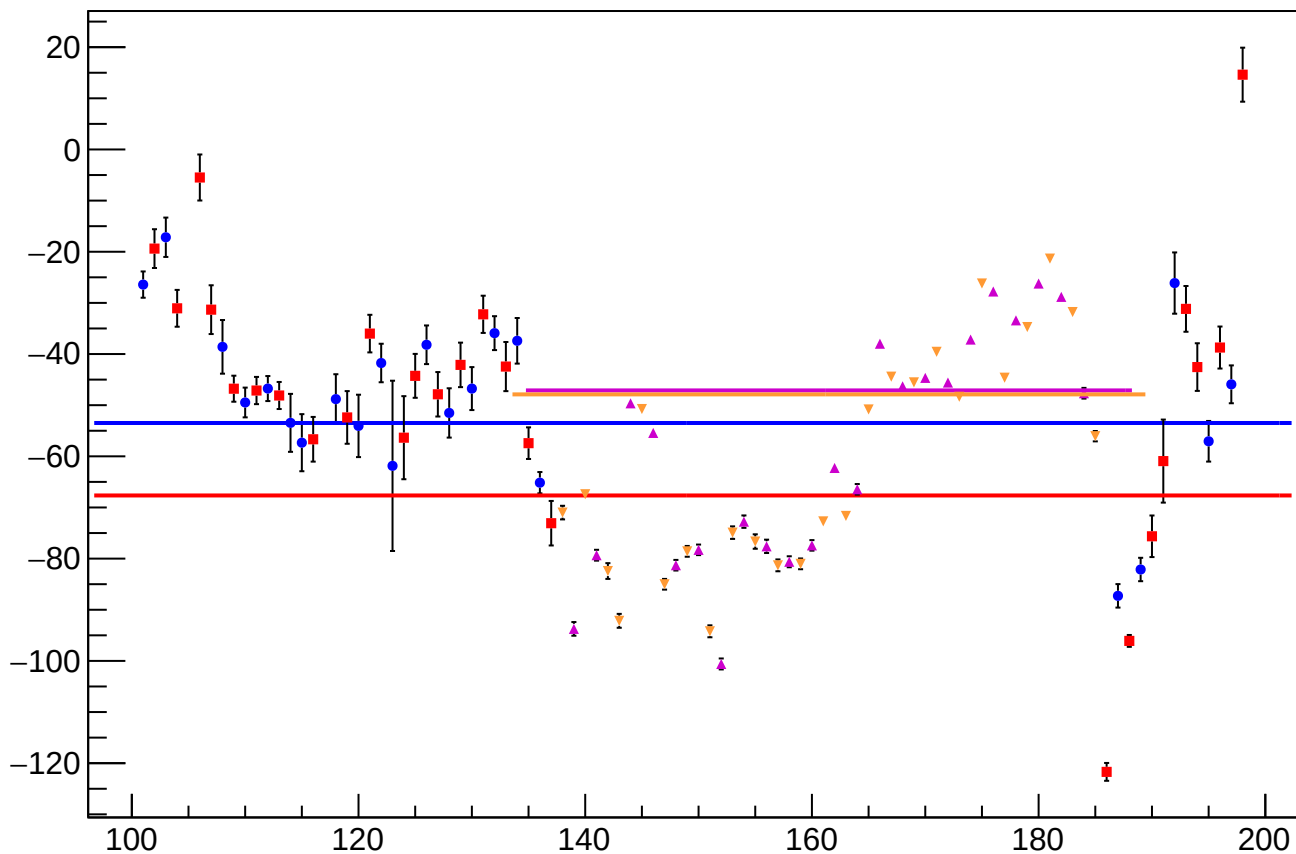
Right: -3.451 ± 0.337 χ^2/NDF : 403.4/47

In: 0.430 ± 0.120 χ^2/NDF : 3612.2/44

Out: 0.473 ± 0.120 χ^2/NDF : 4228.4/50

All: 0.451 ± 0.085 χ^2/NDF : 7840.6/95

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -53.481 ± 0.738 χ^2/NDF : 719.8/21

Left Out: -47.888 ± 0.155 χ^2/NDF : 16707.2/24

Right Out: -67.652 ± 0.616 χ^2/NDF : 2959.4/25

Left In: -47.112 ± 0.155 χ^2/NDF : 15654.8/22

Left: -47.500 ± 0.109 χ^2/NDF : 32374.6/47

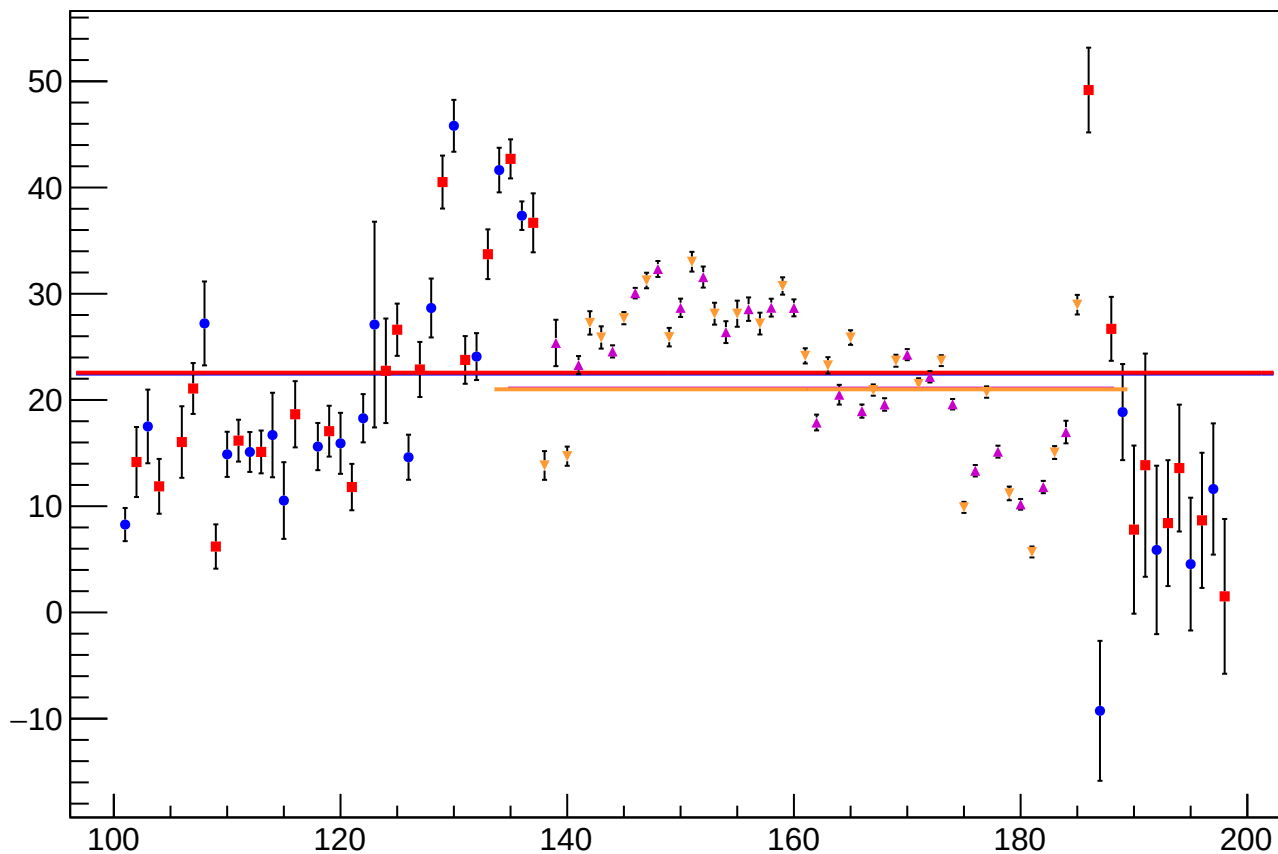
Right: -61.834 ± 0.473 χ^2/NDF : 3896.3/47

In: -47.380 ± 0.151 χ^2/NDF : 16445.9/44

Out: -49.061 ± 0.150 χ^2/NDF : 20633.9/50

All: -48.228 ± 0.107 χ^2/NDF : 37142.0/95

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.487 $\pm$ 0.544 χ^2 /NDF: 501.9/21

Left Out: 21.005 $\pm$ 0.139 χ^2 /NDF:2789.5/24

Right Out: 22.568 $\pm$ 0.547 χ^2 /NDF: 439.7/25

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

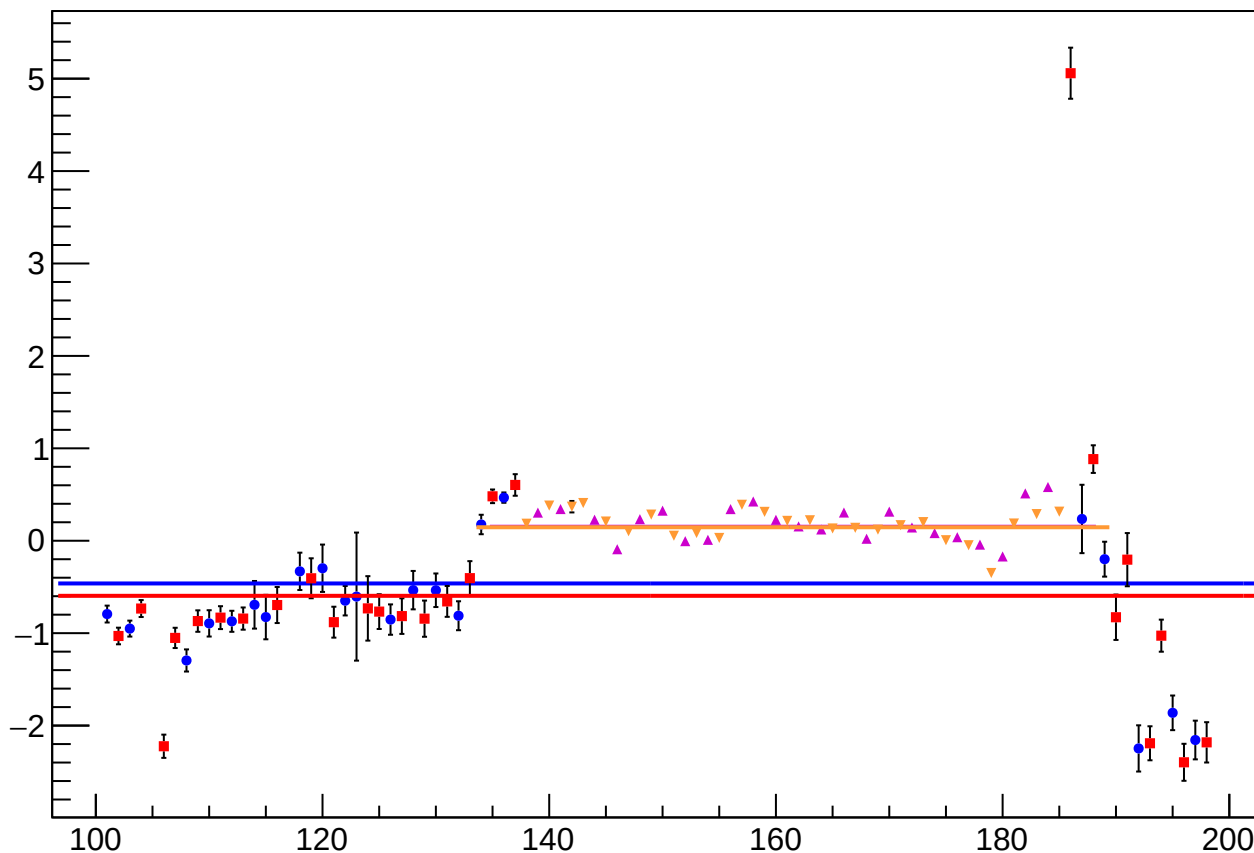
Right: 22.528 $\pm$ 0.386 χ^2 /NDF: 941.6/47

In: 21.156 $\pm$ 0.135 χ^2 /NDF:2685.0/44

Out: 21.100 $\pm$ 0.135 χ^2 /NDF:3236.9/50

All: 21.128 $\pm$ 0.095 χ^2 /NDF: 5922.0/95

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.462 ± 0.029 χ^2/NDF : 622.9/21

Left Out: 0.146 ± 0.006 χ^2/NDF : 609.8/24

Right Out: -0.596 ± 0.028 χ^2/NDF : 1286.0/25

Left In: 0.151 ± 0.006 χ^2/NDF : 873.9/22

Left: 0.149 ± 0.004 χ^2/NDF : 1484.1/47

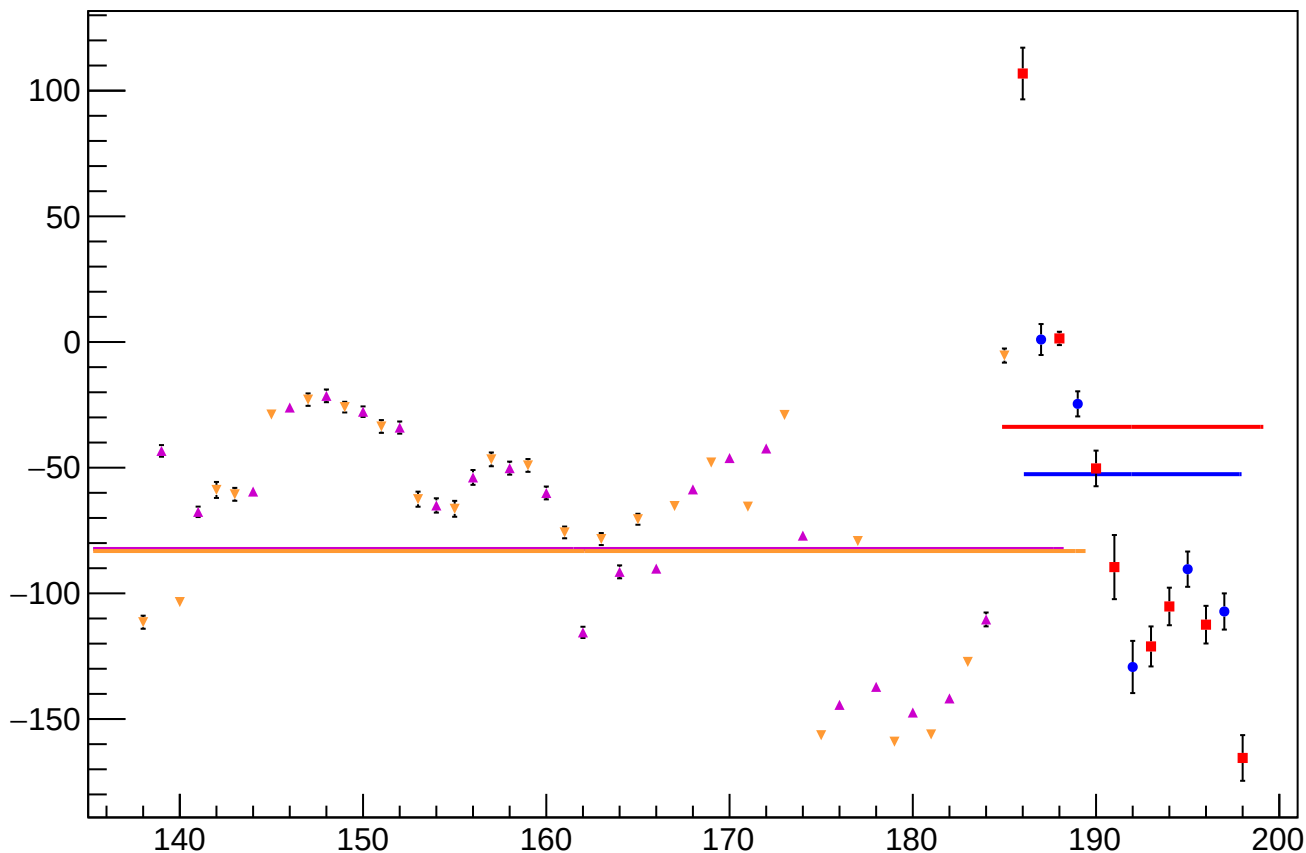
Right: -0.531 ± 0.020 χ^2/NDF : 1920.1/47

In: 0.123 ± 0.006 χ^2/NDF : 1930.5/44

Out: 0.109 ± 0.006 χ^2/NDF : 2570.1/50

All: 0.116 ± 0.004 χ^2/NDF : 4502.9/95

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -52.584 ± 2.946 χ^2/NDF : 248.0/4

Left Out: -83.163 ± 0.407 χ^2/NDF : 13794.3/24

Right Out: -33.753 ± 2.036 χ^2/NDF : 919.8/7

Left In: -82.342 ± 0.413 χ^2/NDF : 10954.9/22

Left: -82.758 ± 0.290 χ^2/NDF : 24751.3/47

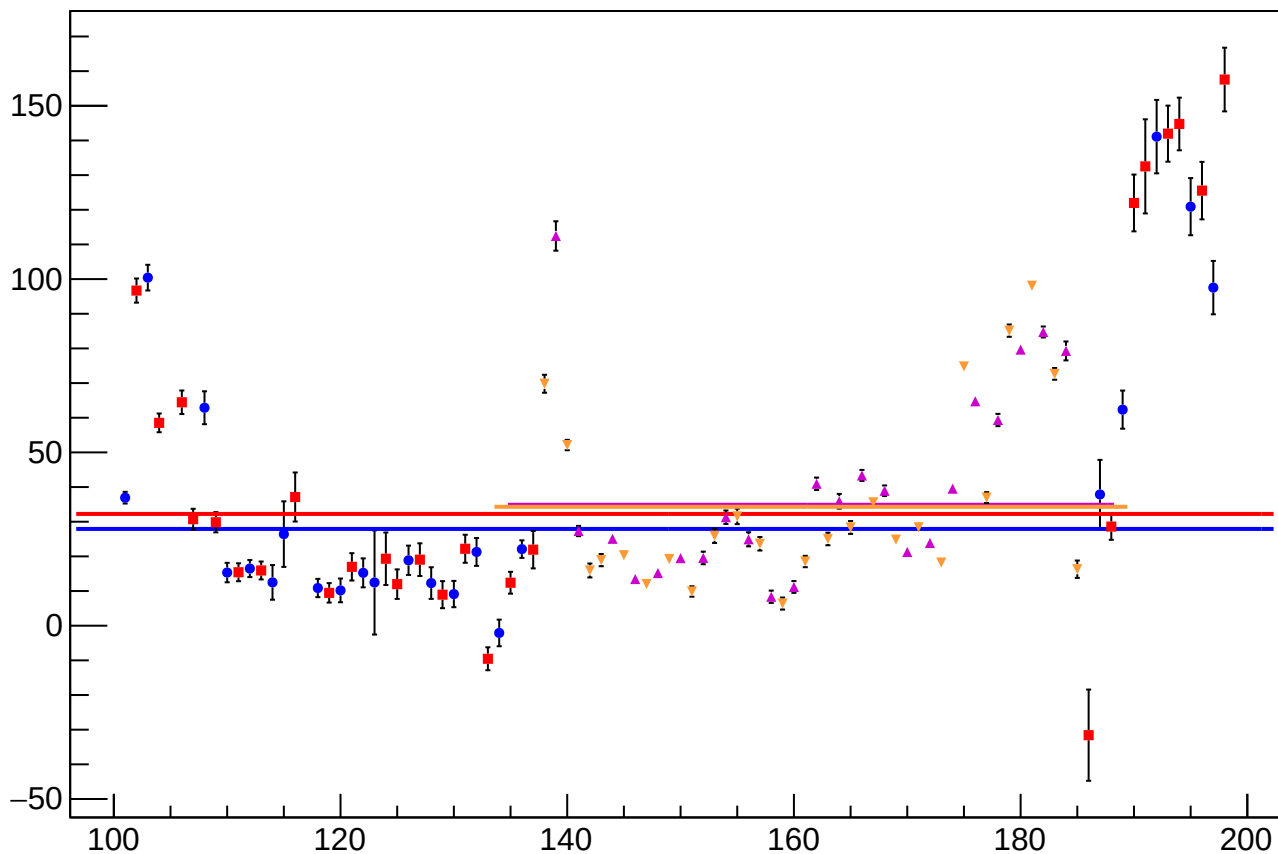
Right: -39.840 ± 1.675 χ^2/NDF : 1195.4/12

In: -81.769 ± 0.409 χ^2/NDF : 11303.0/27

Out: -81.264 ± 0.399 χ^2/NDF : 15280.3/32

All: -81.510 ± 0.286 χ^2/NDF : 26584.1/60

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.918 $\pm$ 0.780 χ^2 /NDF: 1068.8/21

Left Out: 34.306 $\pm$ 0.321 χ^2 /NDF: 6163.7/24

Right Out: 32.246 $\pm$ 0.774 χ^2 /NDF: 1883.3/25

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

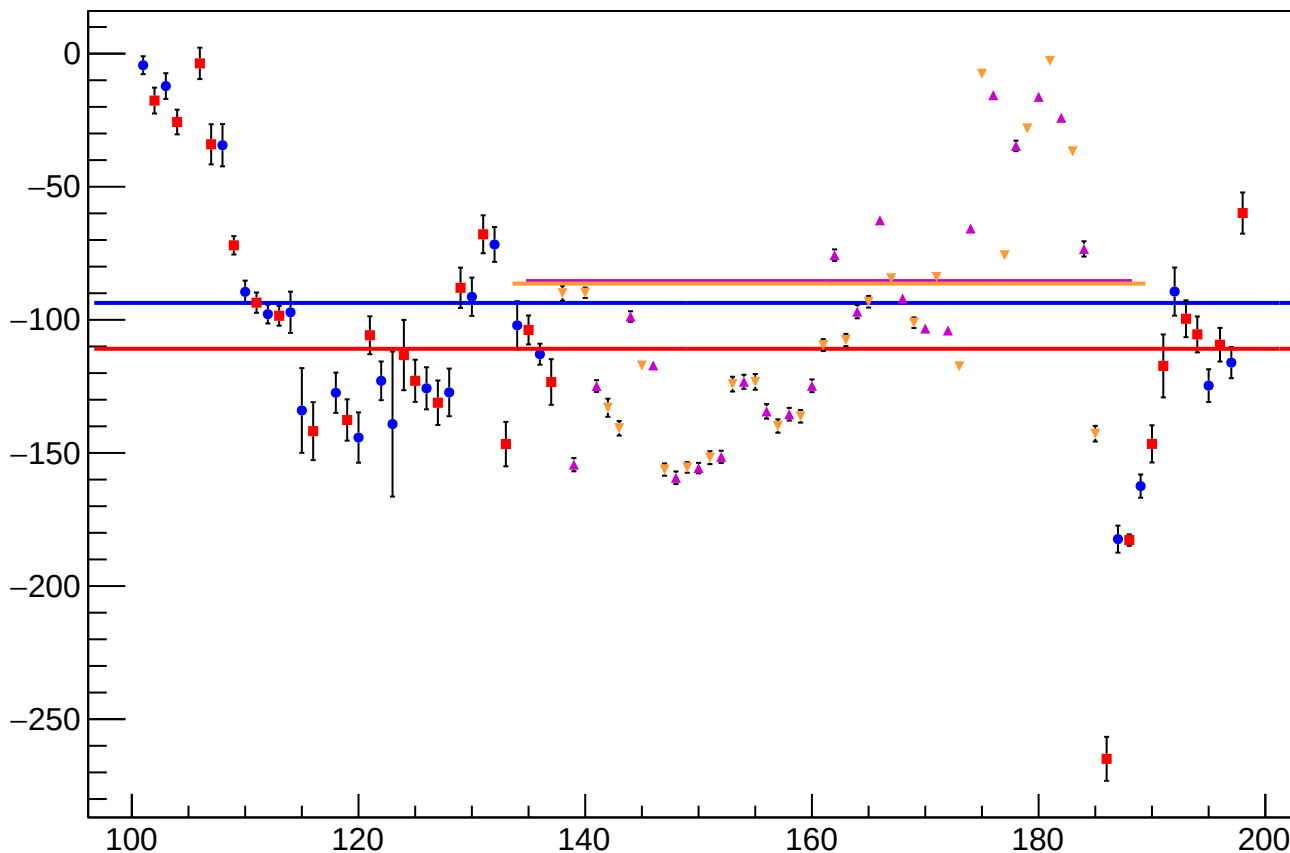
Right: 30.099 $\pm$ 0.549 χ^2 /NDF: 2967.7/47

In: 33.844 $\pm$ 0.302 χ^2 /NDF: 5891.3/44

Out: 34.004 $\pm$ 0.296 χ^2 /NDF: 8053.1/50

All: 33.925 $\pm$ 0.212 χ^2 /NDF: 13944.5/95

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -93.642 ± 1.230 χ^2/NDF : 1780.2/21

Left Out: -86.377 ± 0.409 χ^2/NDF : 14435.1/24

Right Out: -110.878 ± 1.063 χ^2/NDF : 2940.4/25

Left In: -85.441 ± 0.413 χ^2/NDF : 12998.9/22

Left: -85.914 ± 0.291 χ^2/NDF : 27436.5/47

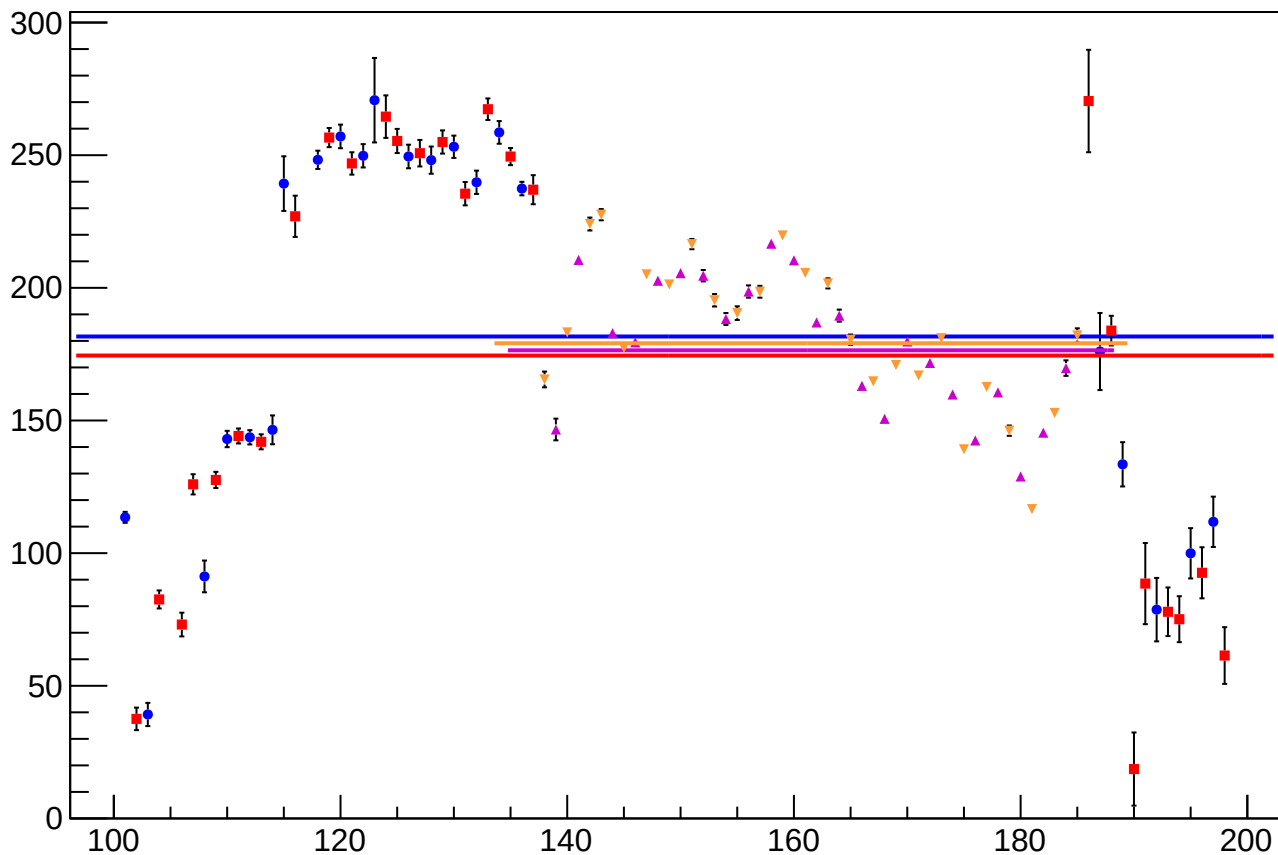
Right: -103.511 ± 0.804 χ^2/NDF : 4833.0/47

In: -86.272 ± 0.392 χ^2/NDF : 14819.0/44

Out: -89.538 ± 0.382 χ^2/NDF : 17838.2/50

All: -87.946 ± 0.273 χ^2/NDF : 32692.9/95

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 181.663 $\pm$ 0.896 χ^2 /NDF: 5645.3/21

Left Out: 179.109 $\pm$ 0.363 χ^2 /NDF: 5877.5/24

Right Out: 174.479 $\pm$ 0.893 χ^2 /NDF: 6799.4/25

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

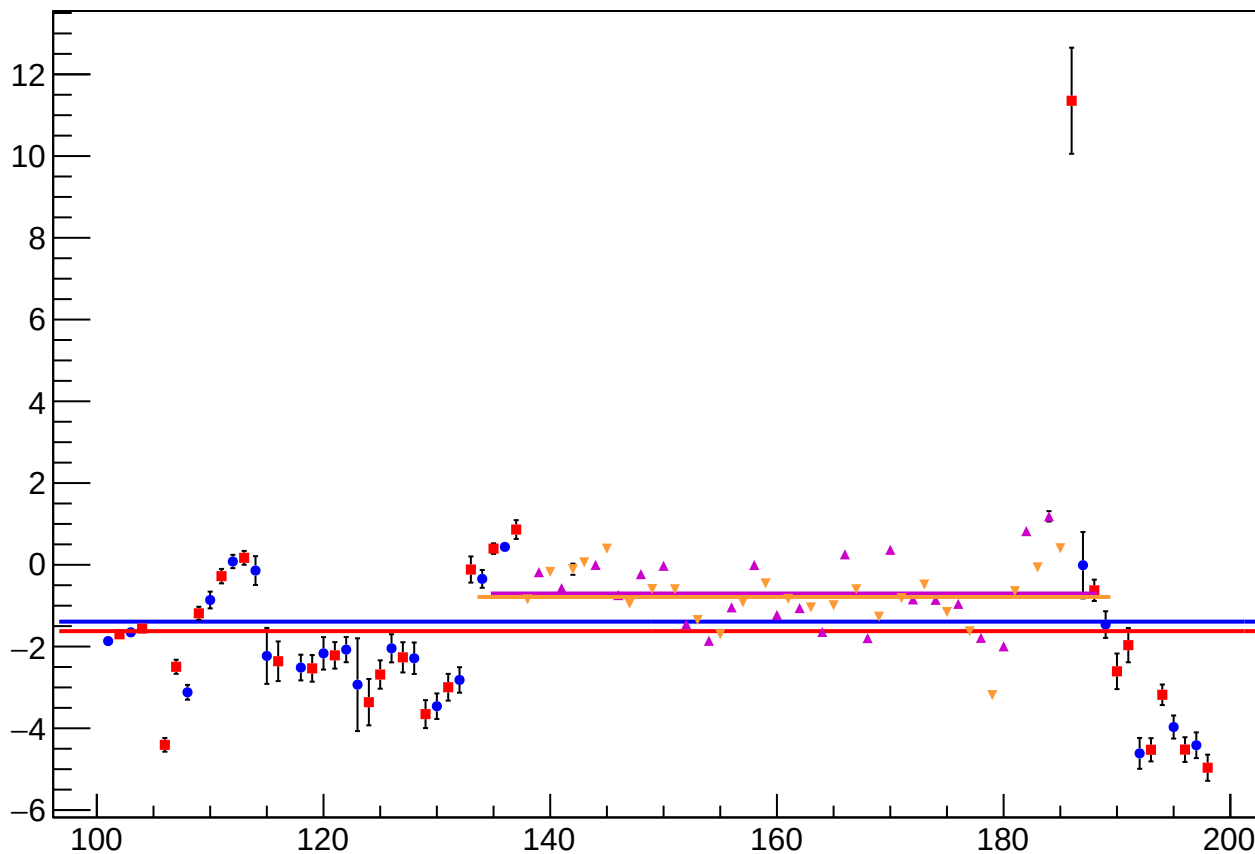
Right: 178.059 $\pm$ 0.632 χ^2 /NDF: 12476.9/47

In: 177.208 $\pm$ 0.342 χ^2 /NDF: 10116.3/44

Out: 178.453 $\pm$ 0.336 χ^2 /NDF: 12699.9/50

All: 177.841 $\pm$ 0.240 χ^2 /NDF: 22823.0/95

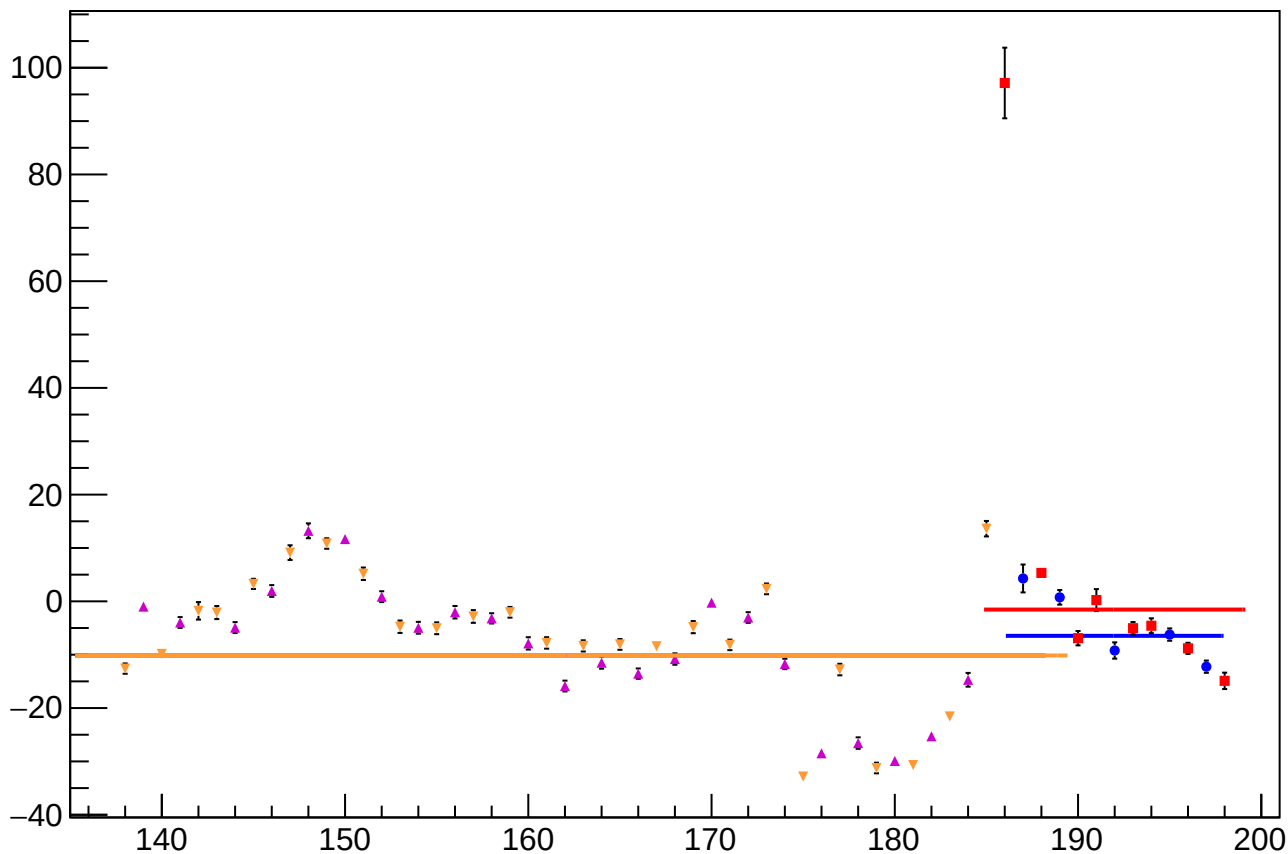
reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.391 ± 0.046 $\chi^2/\text{NDF}: 890.9/21$
 Left Out: -0.787 ± 0.017 $\chi^2/\text{NDF}: 1760.7/24$
 Right Out: -1.623 ± 0.043 $\chi^2/\text{NDF}: 1412.3/25$
 Left In: -0.702 ± 0.017 $\chi^2/\text{NDF}: 2421.3/22$

Left: -0.745 ± 0.012 $\chi^2/\text{NDF}: 4194.8/47$
 Right: -1.515 ± 0.031 $\chi^2/\text{NDF}: 2316.8/47$
 In: -0.783 ± 0.016 $\chi^2/\text{NDF}: 3510.0/44$
 Out: -0.896 ± 0.015 $\chi^2/\text{NDF}: 3504.8/50$
 All: -0.841 ± 0.011 $\chi^2/\text{NDF}: 7040.8/95$

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.464 ± 0.619 $\chi^2/\text{NDF}: 73.2/4$

Left Out: -10.147 ± 0.202 $\chi^2/\text{NDF}: 4128.5/24$

Right Out: -1.542 ± 0.413 $\chi^2/\text{NDF}: 492.1/7$

Left In: -10.149 ± 0.204 $\chi^2/\text{NDF}: 3491.7/22$

Left: -10.148 ± 0.143 $\chi^2/\text{NDF}: 7620.2/47$

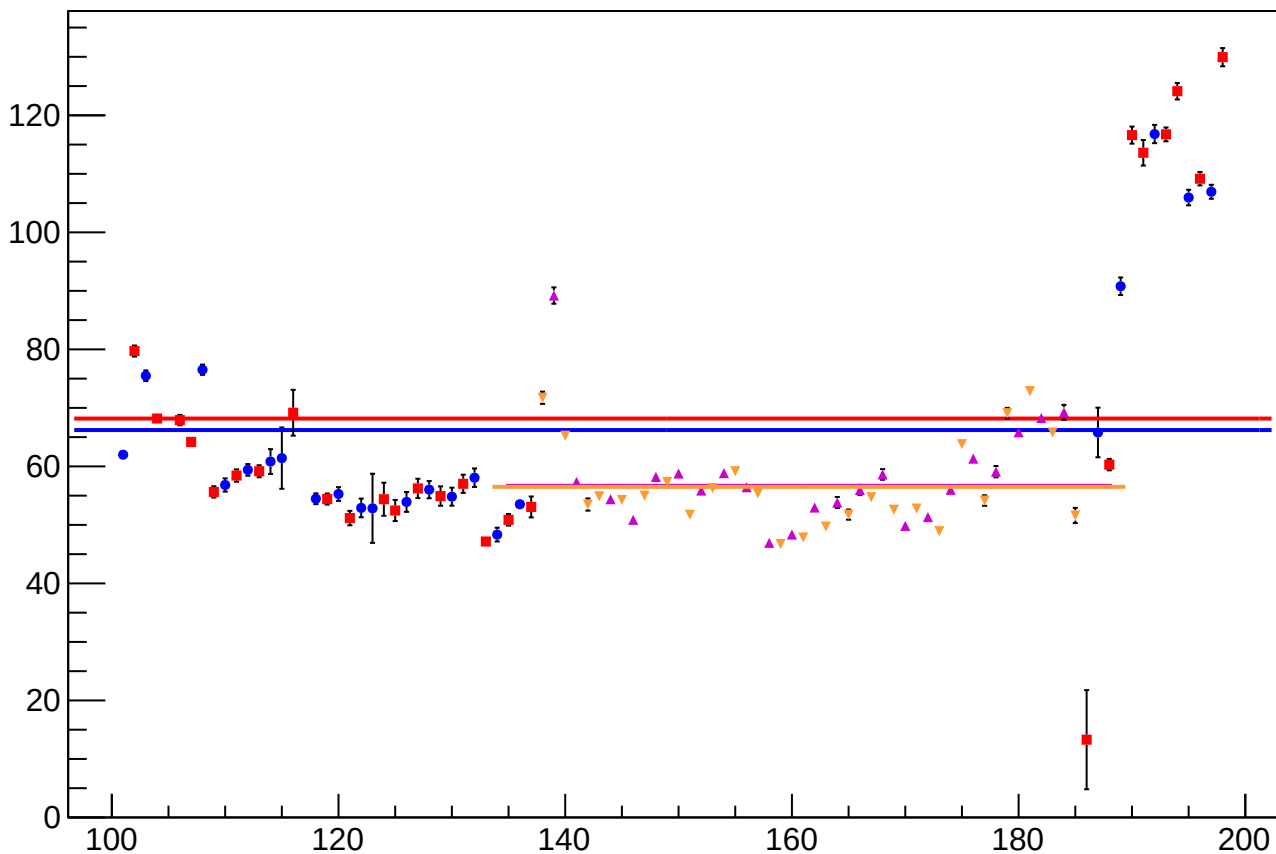
Right: -3.062 ± 0.344 $\chi^2/\text{NDF}: 609.1/12$

In: -9.788 ± 0.194 $\chi^2/\text{NDF}: 3596.9/27$

Out: -8.491 ± 0.181 $\chi^2/\text{NDF}: 4970.6/32$

All: -9.097 ± 0.132 $\chi^2/\text{NDF}: 8591.4/60$

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 66.210 $\pm$ 0.244 χ^2 /NDF: 4774.7/21

Left Out: 56.508 $\pm$ 0.159 χ^2 /NDF:1962.3/24

Right Out: 68.175 $\pm$ 0.222 χ^2 /NDF: 10295.3/25

Left In: 56.674 $\pm$ 0.165 χ^2 /NDF:1679.8/22

Left: 56.588 $\pm$ 0.114 χ^2 /NDF: 3642.7/47

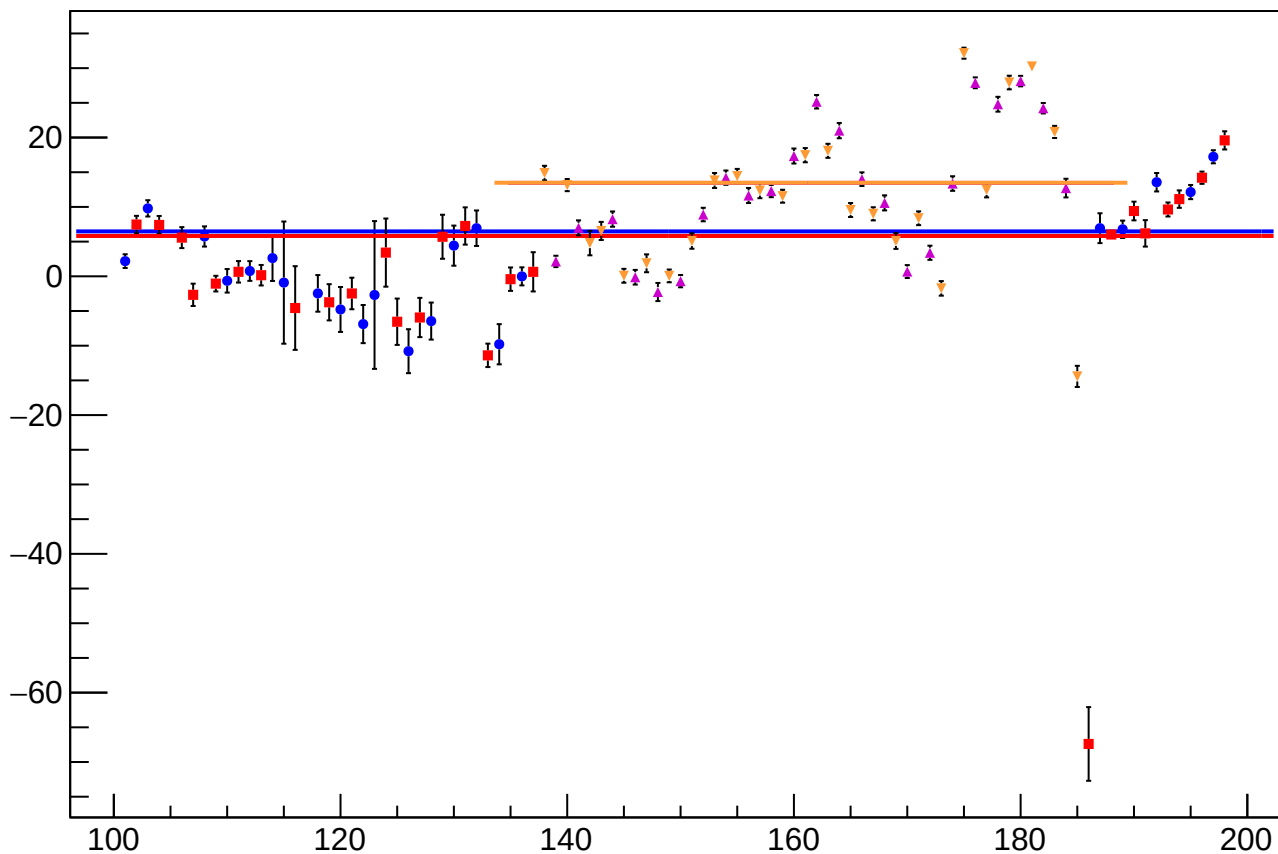
Right: 67.284 $\pm$ 0.164 χ^2 /NDF: 15105.4/47

In: 59.658 $\pm$ 0.136 χ^2 /NDF:7503.8/44

Out: 60.467 $\pm$ 0.129 χ^2 /NDF:14078.4/50

All: 60.083 $\pm$ 0.094 χ^2 /NDF: 21600.7/95

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.473 ± 0.348 χ^2/NDF : 409.4/21

Left Out: 13.485 ± 0.202 χ^2/NDF : 2731.0/24

Right Out: 5.814 ± 0.273 χ^2/NDF : 706.0/25

Left In: 13.456 ± 0.203 χ^2/NDF : 2371.9/22

Left: 13.471 ± 0.143 χ^2/NDF : 5102.9/47

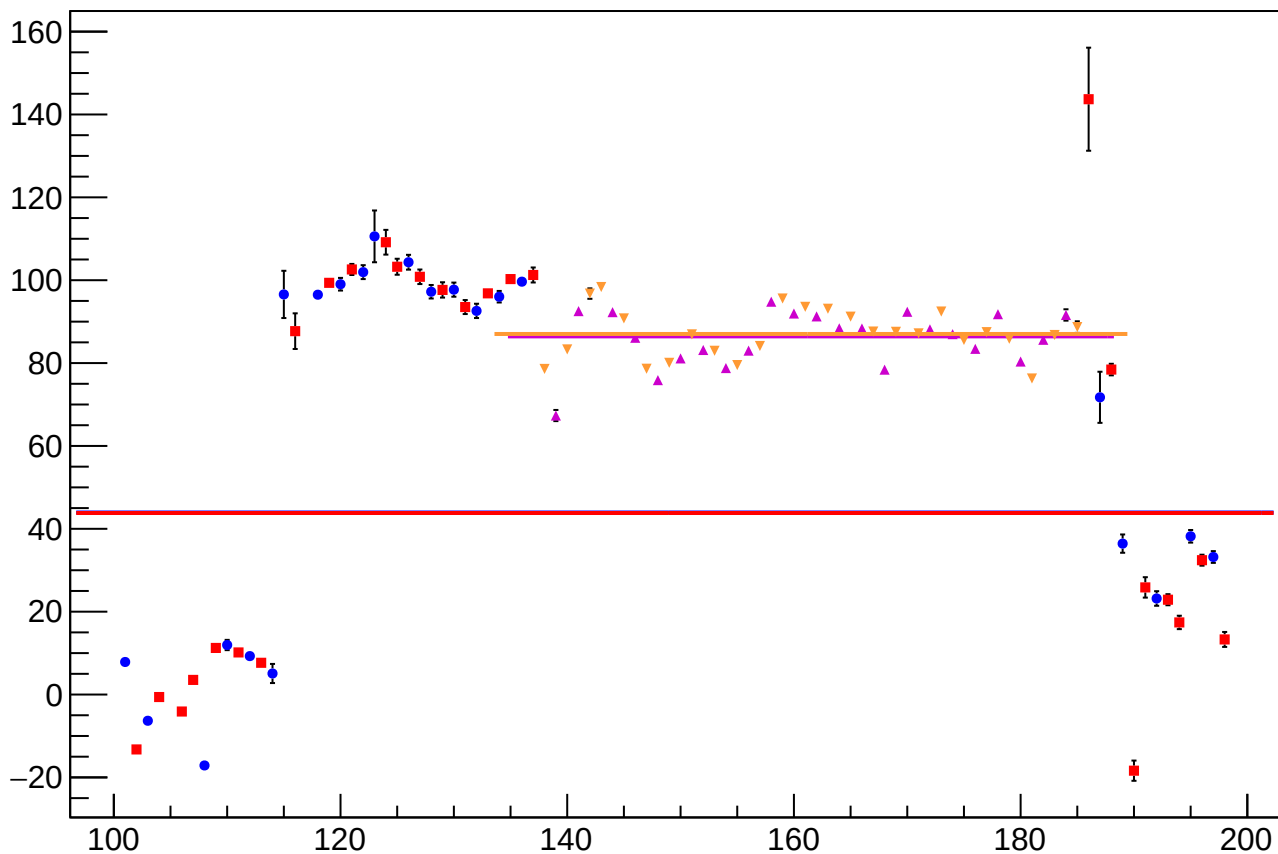
Right: 6.065 ± 0.215 χ^2/NDF : 1117.7/47

In: 11.681 ± 0.175 χ^2/NDF : 3082.0/44

Out: 10.770 ± 0.162 χ^2/NDF : 3948.3/50

All: 11.190 ± 0.119 χ^2/NDF : 7044.8/95

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.935 $\pm$ 0.284 χ^2 /NDF: 25335.1/21

Left Out: 87.023 $\pm$ 0.179 χ^2 /NDF:1057.2/24

Right Out: 43.816 $\pm$ 0.263 χ^2 /NDF: 30192.0/25

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

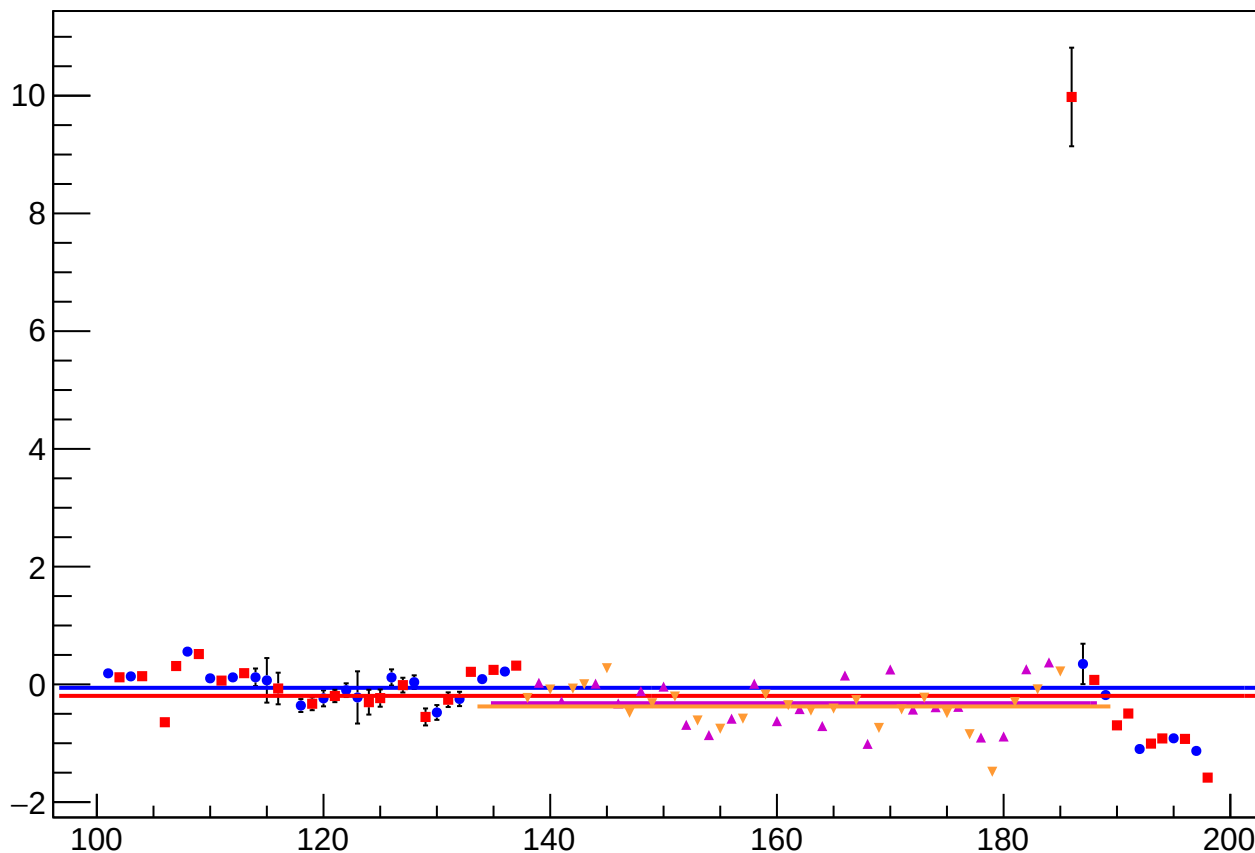
Right: 43.870 $\pm$ 0.193 χ^2 /NDF: 55527.2/47

In: 73.905 $\pm$ 0.154 χ^2 /NDF:42117.5/44

Out: 73.282 $\pm$ 0.148 χ^2 /NDF:49680.2/50

All: 73.580 $\pm$ 0.107 χ^2 /NDF: 91806.2/95

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.012 χ^2/NDF : 1854.9/21

Left Out: -0.375 ± 0.008 χ^2/NDF : 1657.5/24

Right Out: -0.195 ± 0.011 χ^2/NDF : 2853.8/25

Left In: -0.320 ± 0.008 χ^2/NDF : 2325.0/22

Left: -0.348 ± 0.006 χ^2/NDF : 4005.2/47

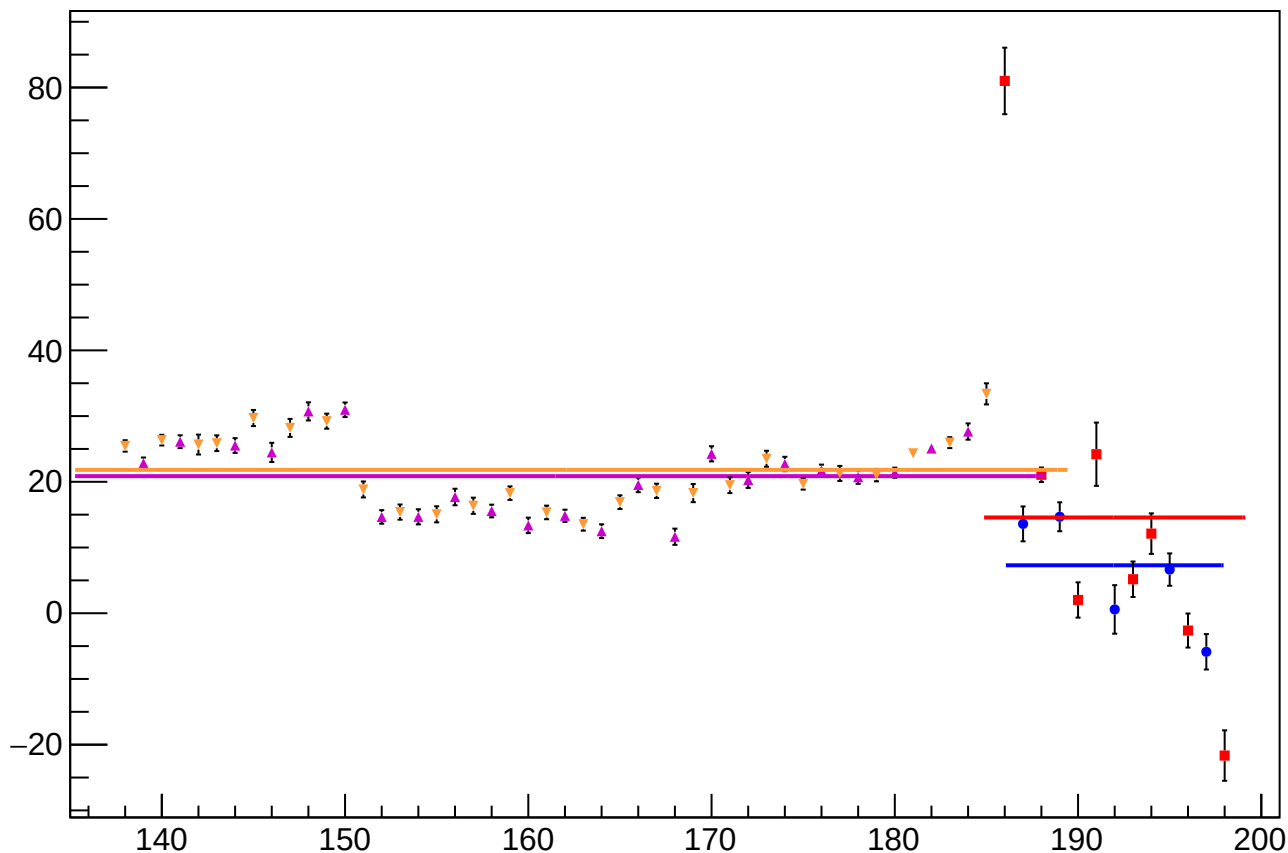
Right: -0.135 ± 0.008 χ^2/NDF : 4777.8/47

In: -0.240 ± 0.007 χ^2/NDF : 4493.1/44

Out: -0.311 ± 0.007 χ^2/NDF : 4685.2/50

All: -0.277 ± 0.005 χ^2/NDF : 9234.0/95

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 7.295 ± 1.175 $\chi^2/\text{NDF}: 44.1/4$

Left Out: 21.818 ± 0.210 $\chi^2/\text{NDF}: 522.7/24$

Right Out: 14.572 ± 0.818 $\chi^2/\text{NDF}: 378.4/7$

Left In: 20.860 ± 0.216 $\chi^2/\text{NDF}: 575.5/22$

Left: 21.351 ± 0.151 $\chi^2/\text{NDF}: 1108.3/47$

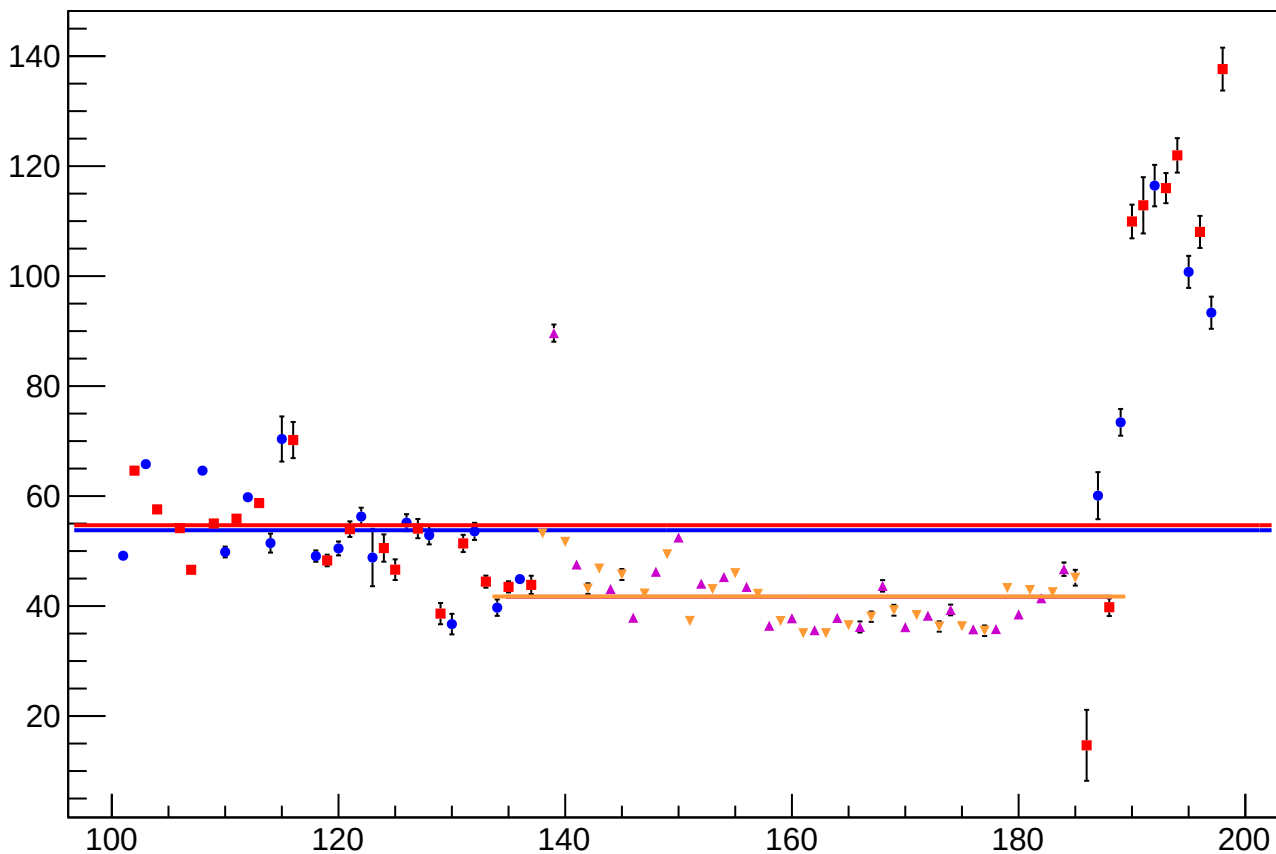
Right: 12.199 ± 0.671 $\chi^2/\text{NDF}: 448.3/12$

In: 20.419 ± 0.212 $\chi^2/\text{NDF}: 748.6/27$

Out: 21.369 ± 0.204 $\chi^2/\text{NDF}: 974.8/32$

All: 20.913 ± 0.147 $\chi^2/\text{NDF}: 1733.8/60$

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 53.786 $\pm$ 0.208 χ^2 /NDF: 1999.0/21

Left Out: 41.732 $\pm$ 0.166 χ^2 /NDF:1014.0/24

Right Out: 54.700 $\pm$ 0.222 χ^2 /NDF: 3222.7/25

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

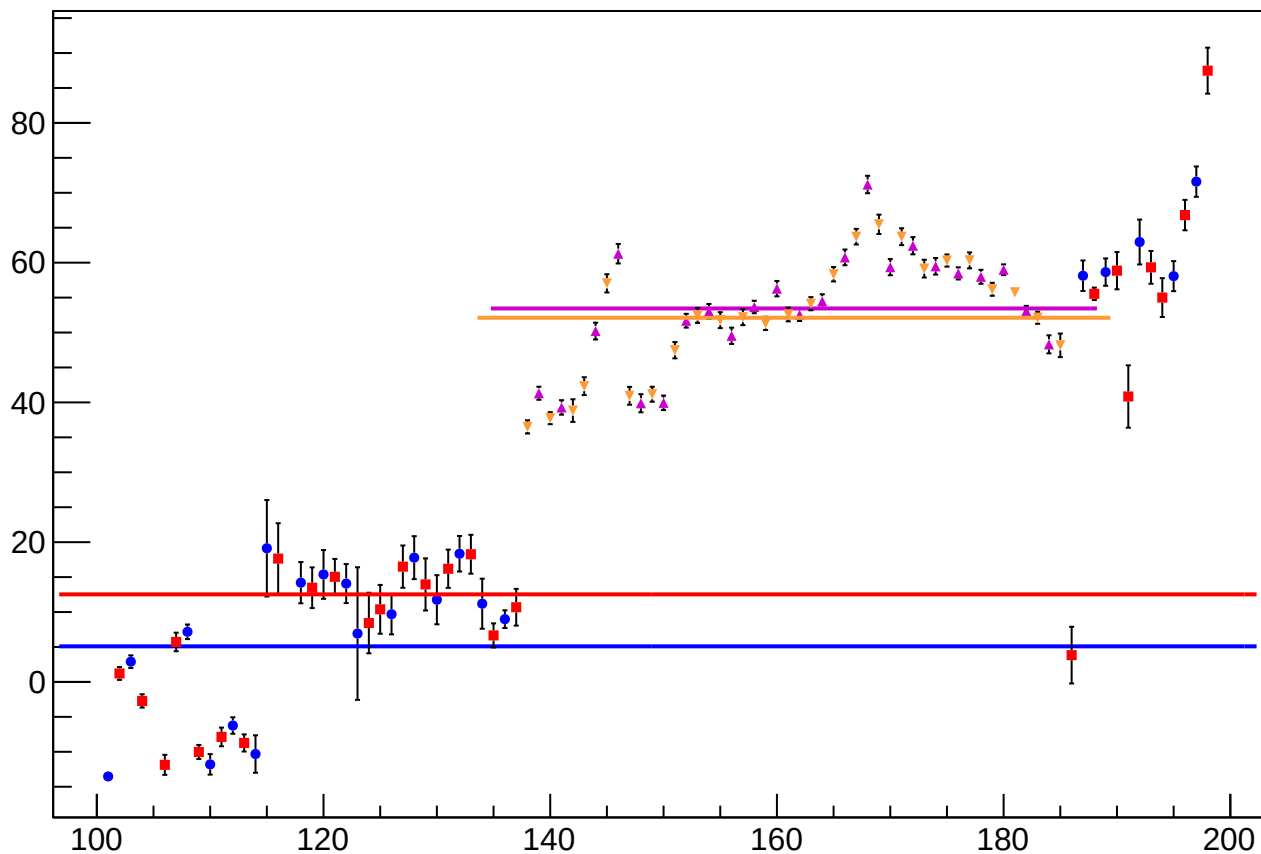
Right: 54.213 $\pm$ 0.152 χ^2 /NDF: 5230.7/47

In: 46.653 $\pm$ 0.133 χ^2 /NDF:5715.4/44

Out: 46.377 $\pm$ 0.133 χ^2 /NDF:6426.4/50

All: 46.515 $\pm$ 0.094 χ^2 /NDF: 12144.0/95

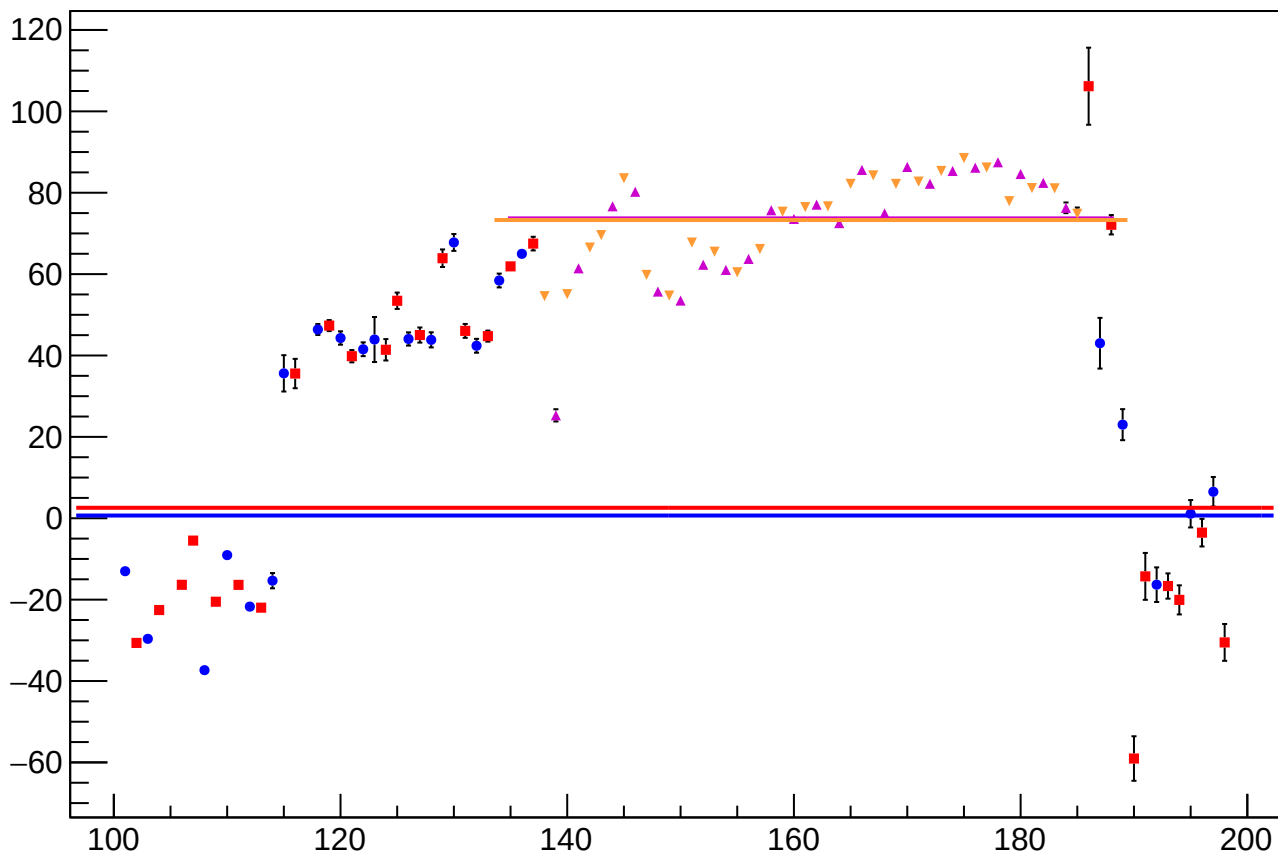
reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.092 ± 0.342 $\chi^2/\text{NDF}: 4470.2/21$
 Left Out: 52.116 ± 0.210 $\chi^2/\text{NDF}: 1445.4/24$
 Right Out: 12.530 ± 0.333 $\chi^2/\text{NDF}: 6219.4/25$
 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: 8.913 ± 0.238 $\chi^2/\text{NDF}: 10932.7/47$
 In: 39.800 ± 0.182 $\chi^2/\text{NDF}: 19990.4/44$
 Out: 40.806 ± 0.178 $\chi^2/\text{NDF}: 17774.9/50$
 All: 40.314 ± 0.127 $\chi^2/\text{NDF}: 37781.0/95$

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.673 ± 0.244 χ^2/NDF : 18523.1/21

Left Out: 73.294 ± 0.187 χ^2/NDF : 3148.2/24

Right Out: 2.576 ± 0.262 χ^2/NDF : 16624.4/25

Left In: 73.699 ± 0.194 χ^2/NDF : 3901.1/22

Left: 73.489 ± 0.135 χ^2/NDF : 7051.6/47

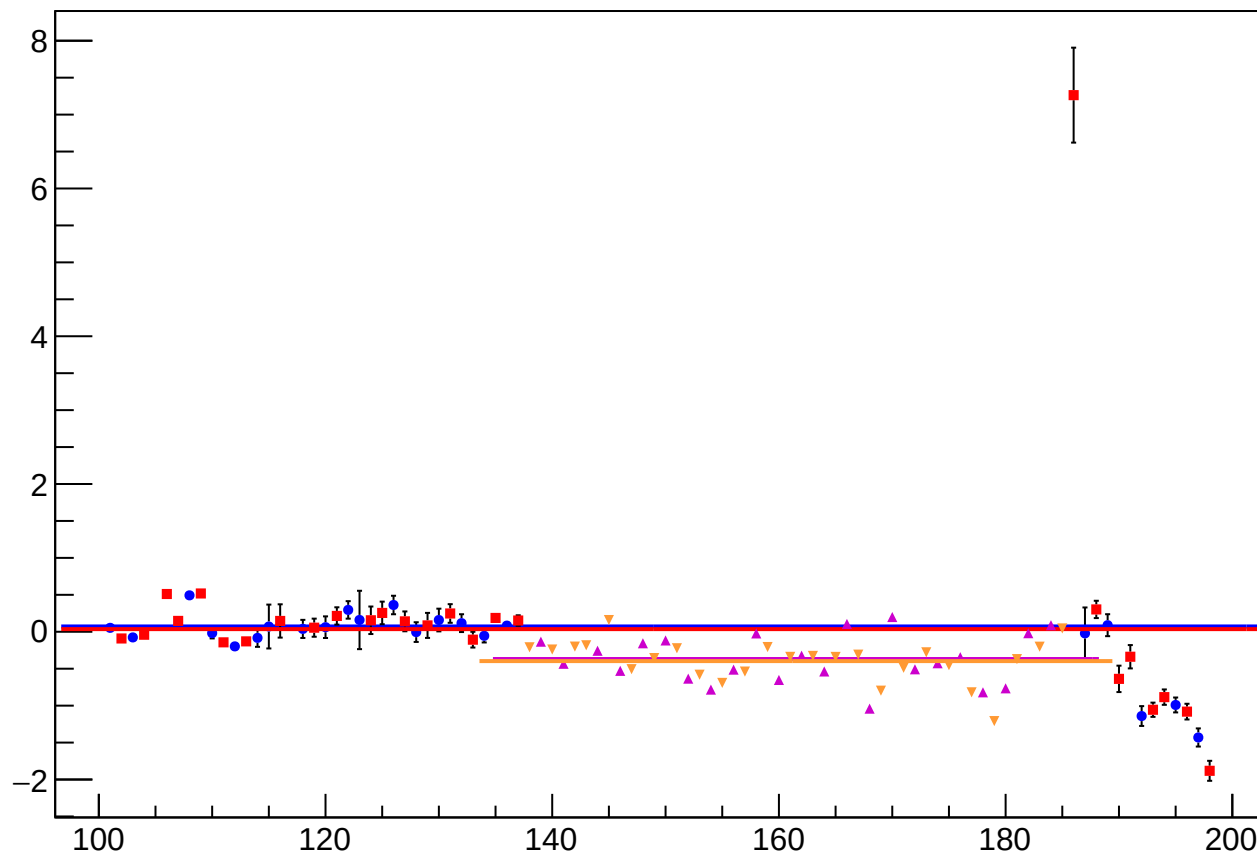
Right: 1.558 ± 0.179 χ^2/NDF : 35175.6/47

In: 45.495 ± 0.152 χ^2/NDF : 77228.9/44

Out: 49.404 ± 0.152 χ^2/NDF : 67906.6/50

All: 47.442 ± 0.108 χ^2/NDF : 145465.6/95

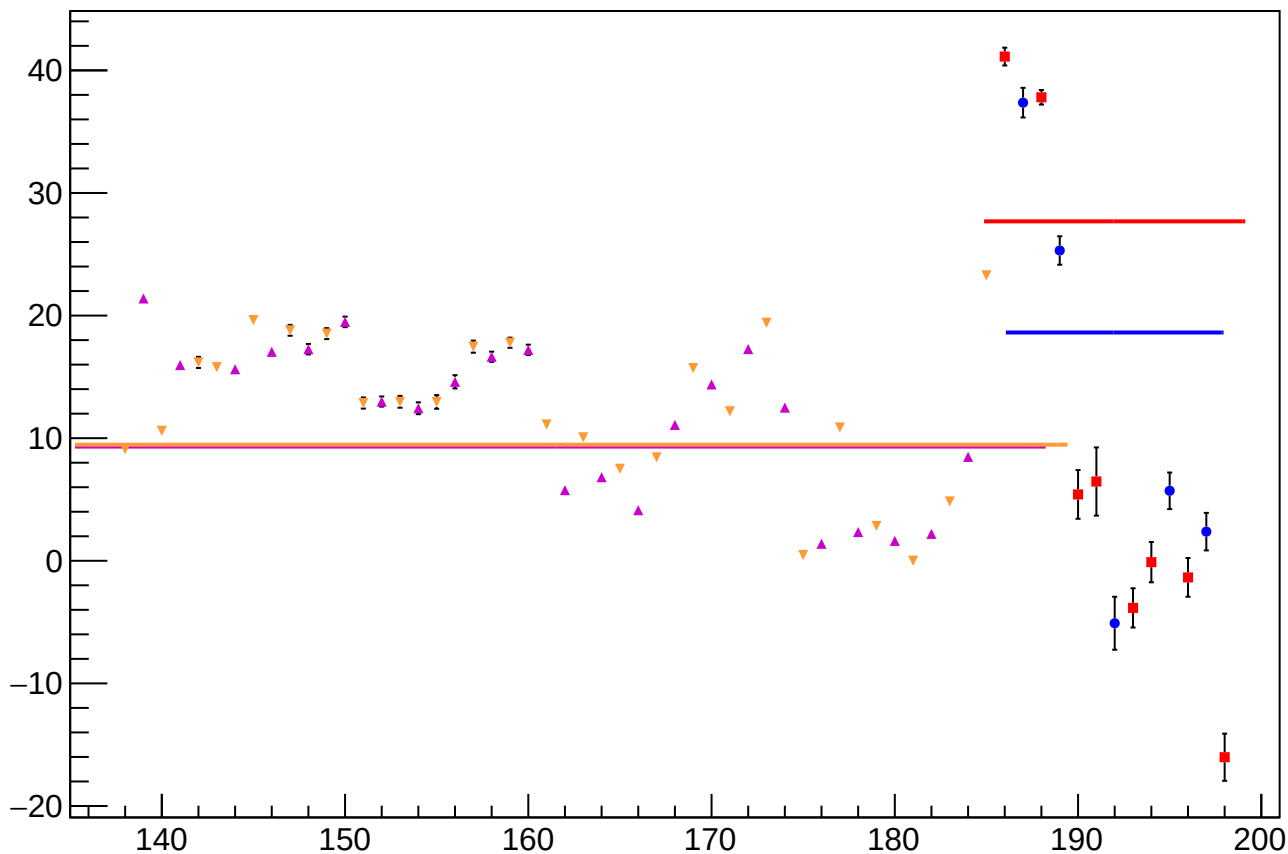
reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.011 $\chi^2/\text{NDF}: 752.2/21$
 Left Out: -0.397 ± 0.009 $\chi^2/\text{NDF}: 943.5/24$
 Right Out: 0.036 ± 0.011 $\chi^2/\text{NDF}: 1077.7/25$
 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: 0.054 ± 0.008 $\chi^2/\text{NDF}: 1835.5/47$
 In: -0.198 ± 0.007 $\chi^2/\text{NDF}: 3082.4/44$
 Out: -0.229 ± 0.007 $\chi^2/\text{NDF}: 3011.5/50$
 All: -0.214 ± 0.005 $\chi^2/\text{NDF}: 6105.2/95$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 18.621 ± 0.630 χ^2/NDF : 581.8/4

Left Out: 9.470 ± 0.061 χ^2/NDF : 12578.0/24

Right Out: 27.687 ± 0.390 χ^2/NDF : 2347.3/7

Left In: 9.315 ± 0.063 χ^2/NDF : 11007.3/22

Left: 9.394 ± 0.044 χ^2/NDF : 23588.5/47

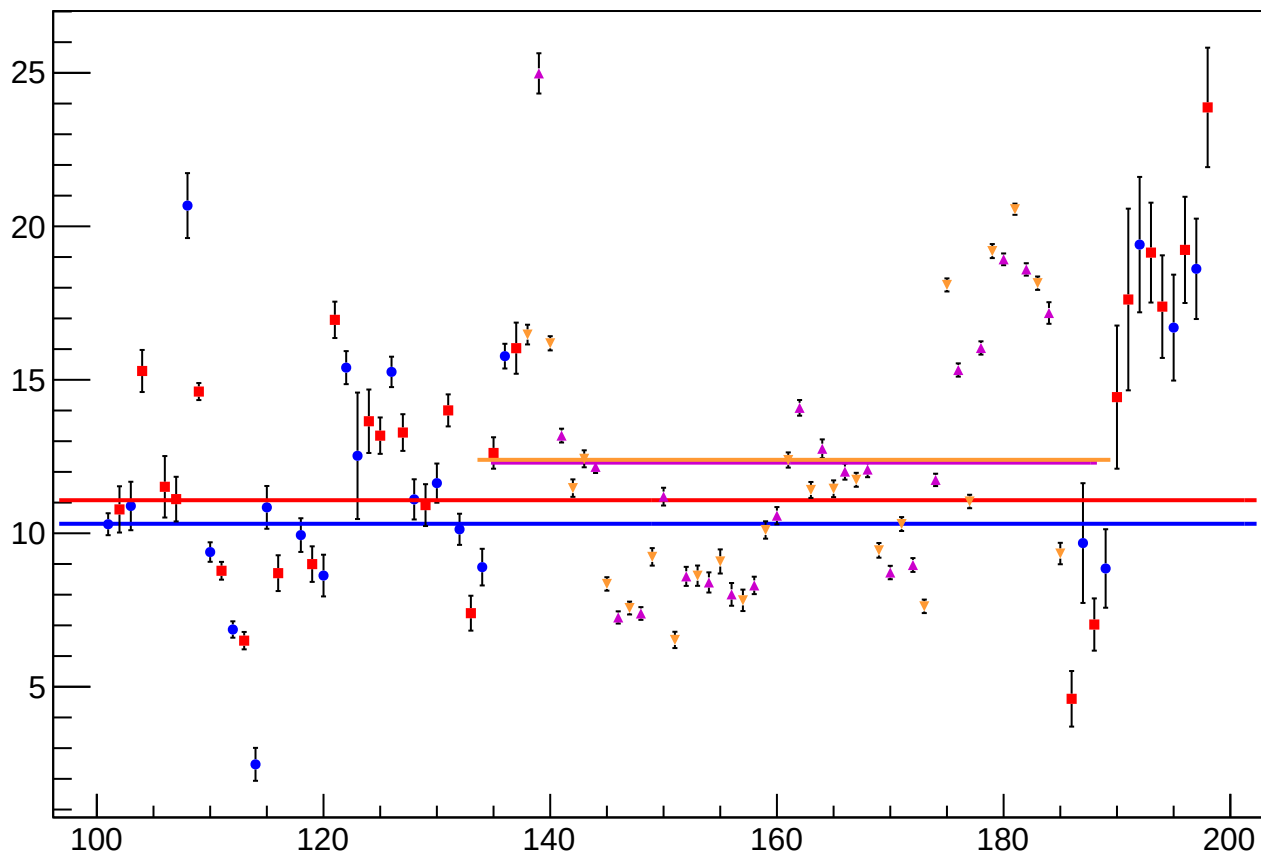
Right: 25.175 ± 0.332 χ^2/NDF : 3078.7/12

In: 9.406 ± 0.062 χ^2/NDF : 11805.0/27

Out: 9.909 ± 0.061 χ^2/NDF : 17053.2/32

All: 9.665 ± 0.043 χ^2/NDF : 28891.6/60

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.310 ± 0.117 $\chi^2/\text{NDF}: 936.0/21$

Left Out: 12.393 ± 0.050 $\chi^2/\text{NDF}: 7525.9/24$

Right Out: 11.078 ± 0.113 $\chi^2/\text{NDF}: 988.0/25$

Left In: 12.302 ± 0.051 $\chi^2/\text{NDF}: 5661.3/22$

Left: 12.349 ± 0.036 $\chi^2/\text{NDF}: 13188.8/47$

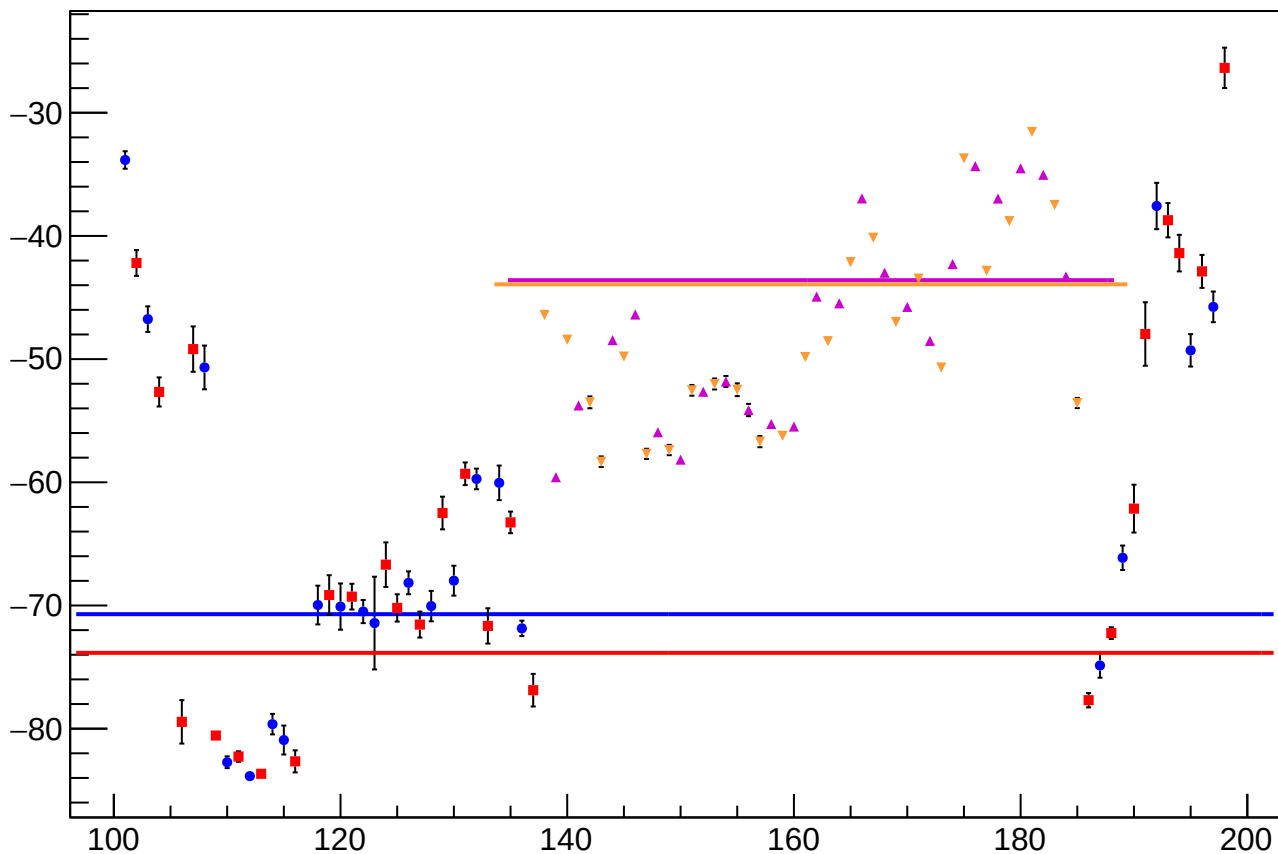
Right: 10.707 ± 0.082 $\chi^2/\text{NDF}: 1946.1/47$

In: 11.985 ± 0.047 $\chi^2/\text{NDF}: 6839.3/44$

Out: 12.180 ± 0.046 $\chi^2/\text{NDF}: 8626.9/50$

All: 12.085 ± 0.033 $\chi^2/\text{NDF}: 15475.1/95$

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -70.706 ± 0.185 $\chi^2/\text{NDF}: 6639.9/21$

Left Out: -43.930 ± 0.062 $\chi^2/\text{NDF}: 17576.0/24$

Right Out: -73.845 ± 0.158 $\chi^2/\text{NDF}: 6066.4/25$

Left In: -43.591 ± 0.063 $\chi^2/\text{NDF}: 15574.9/22$

Left: -43.763 ± 0.044 $\chi^2/\text{NDF}: 33165.5/47$

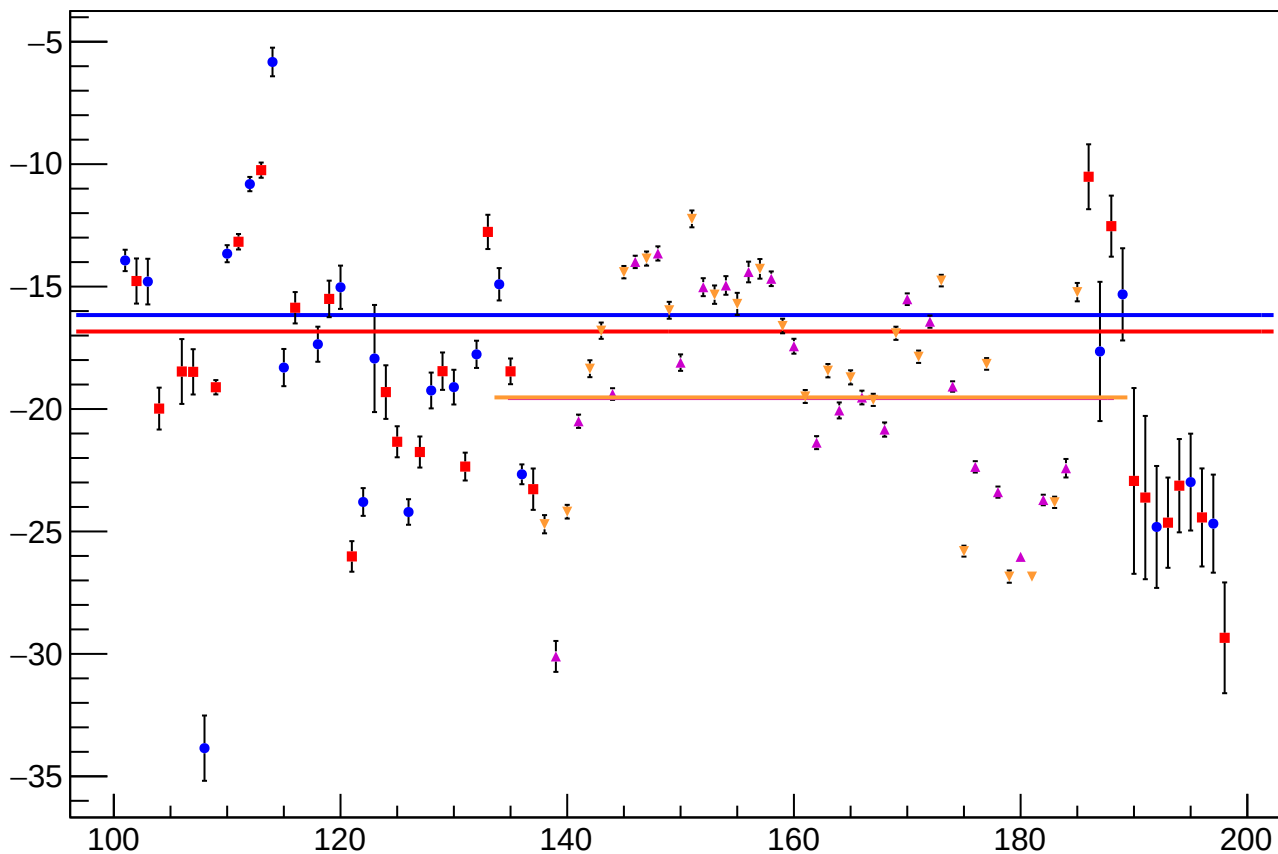
Right: -72.524 ± 0.120 $\chi^2/\text{NDF}: 12872.5/47$

In: -46.406 ± 0.060 $\chi^2/\text{NDF}: 41401.7/44$

Out: -47.926 ± 0.058 $\chi^2/\text{NDF}: 54714.7/50$

All: -47.191 ± 0.042 $\chi^2/\text{NDF}: 96451.1/95$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.163 ± 0.131 χ^2/NDF : 1683.9/21

Left Out: -19.526 ± 0.056 χ^2/NDF : 6493.0/24

Right Out: -16.834 ± 0.126 χ^2/NDF : 1321.6/25

Left In: -19.552 ± 0.057 χ^2/NDF : 4359.1/22

Left: -19.539 ± 0.040 χ^2/NDF : 10852.2/47

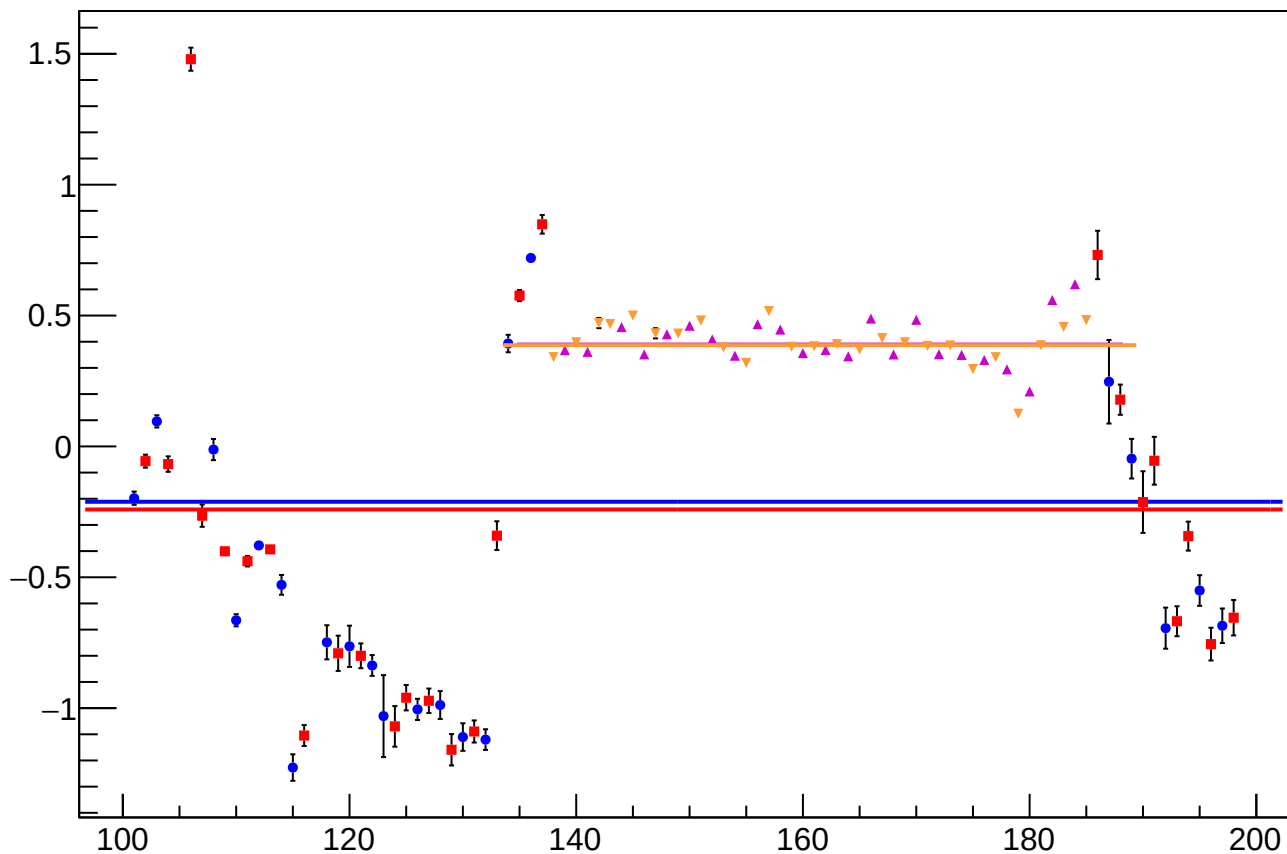
Right: -16.512 ± 0.091 χ^2/NDF : 3019.1/47

In: -19.010 ± 0.052 χ^2/NDF : 6606.1/44

Out: -19.082 ± 0.051 χ^2/NDF : 8197.0/50

All: -19.047 ± 0.037 χ^2/NDF : 14804.0/95

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.007 χ^2/NDF : 6478.1/21

Left Out: 0.387 ± 0.003 χ^2/NDF : 989.2/24

Right Out: -0.241 ± 0.007 χ^2/NDF : 6539.0/25

Left In: 0.389 ± 0.003 χ^2/NDF : 1257.1/22

Left: 0.388 ± 0.002 χ^2/NDF : 2246.7/47

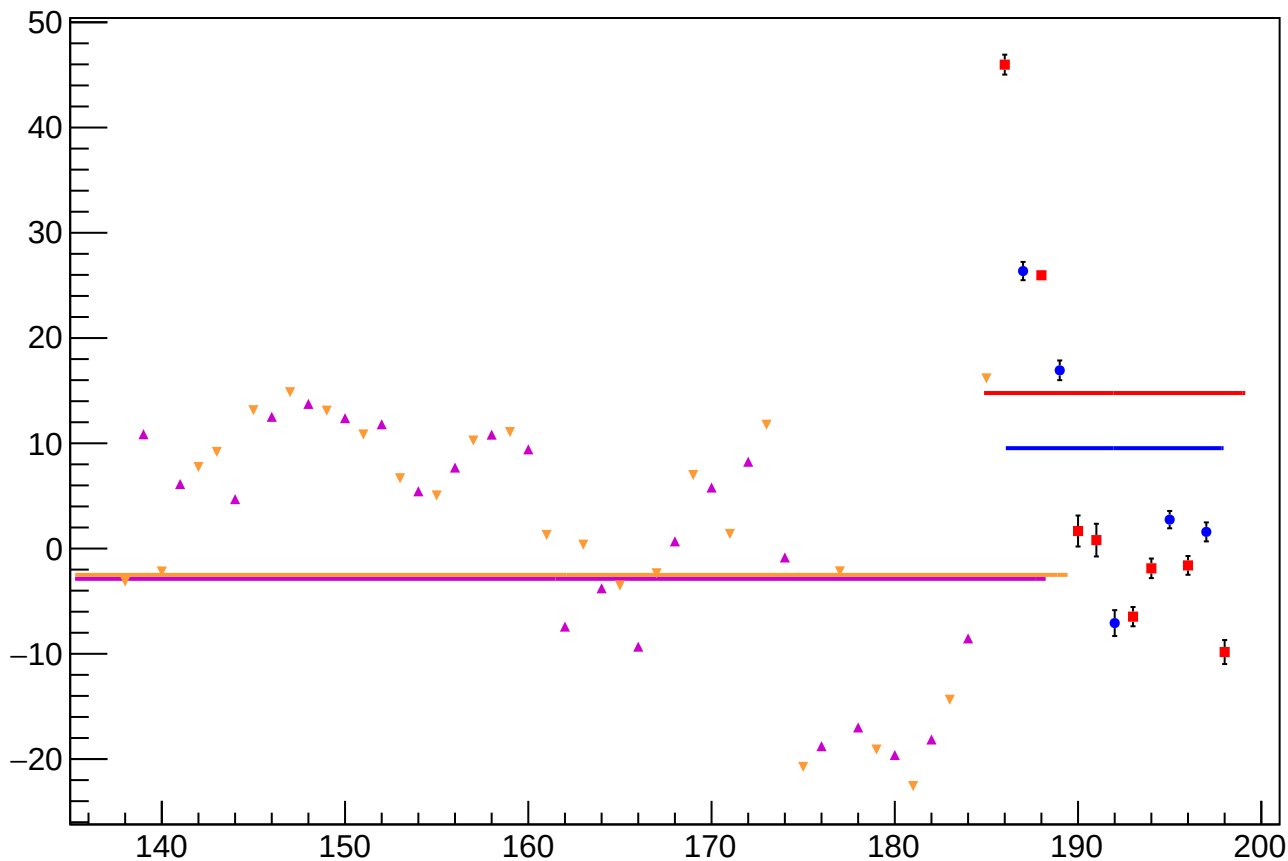
Right: -0.227 ± 0.005 χ^2/NDF : 13025.7/47

In: 0.322 ± 0.002 χ^2/NDF : 13663.5/44

Out: 0.310 ± 0.002 χ^2/NDF : 14823.2/50

All: 0.316 ± 0.002 χ^2/NDF : 28498.0/95

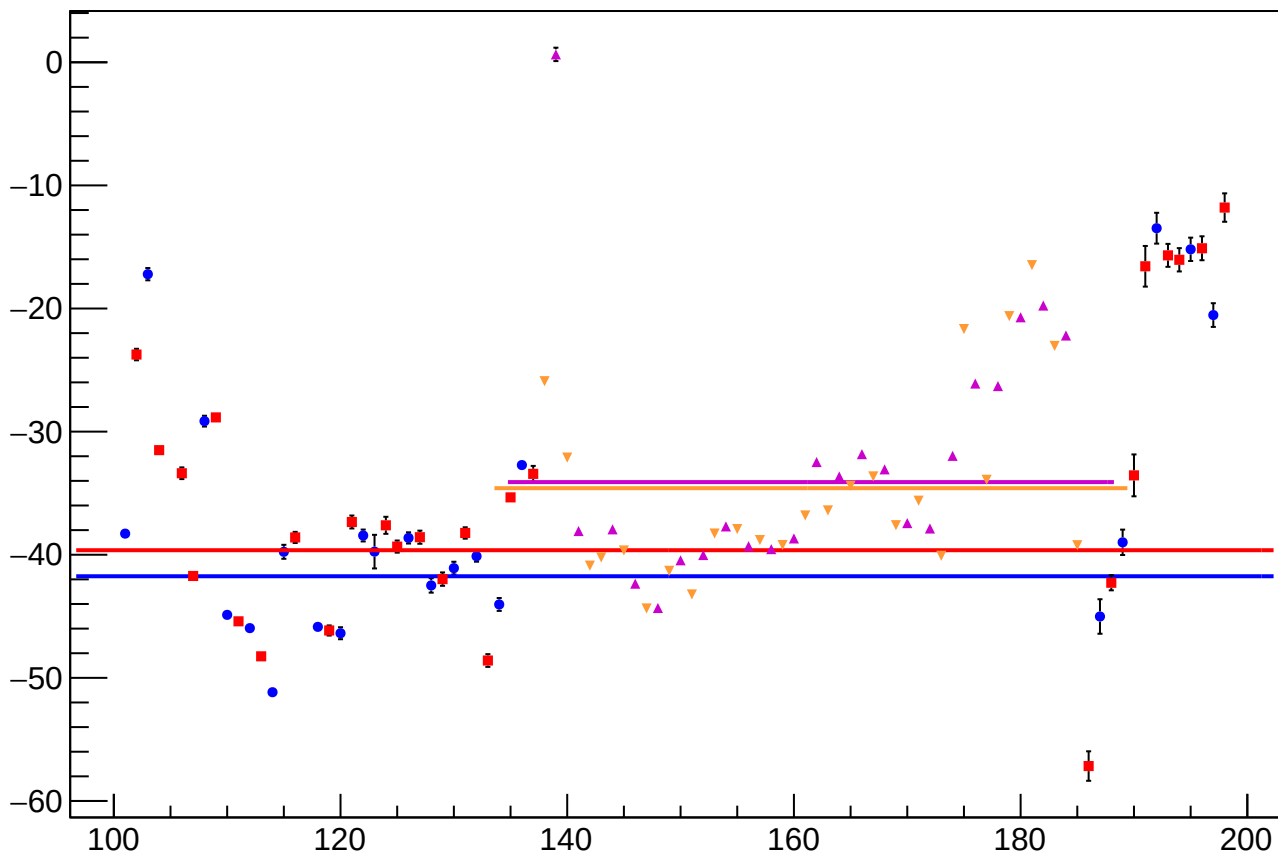
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 9.537 ± 0.414 $\chi^2/\text{NDF}: 767.3/4$
 Left Out: -2.499 ± 0.053 $\chi^2/\text{NDF}: 55930.9/24$
 Right Out: 14.776 ± 0.291 $\chi^2/\text{NDF}: 3590.2/7$
 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: 13.046 ± 0.238 $\chi^2/\text{NDF}: 4464.7/12$
 In: -2.664 ± 0.054 $\chi^2/\text{NDF}: 48031.6/27$
 Out: -1.944 ± 0.052 $\chi^2/\text{NDF}: 62938.1/32$
 All: -2.290 ± 0.038 $\chi^2/\text{NDF}: 111061.3/60$

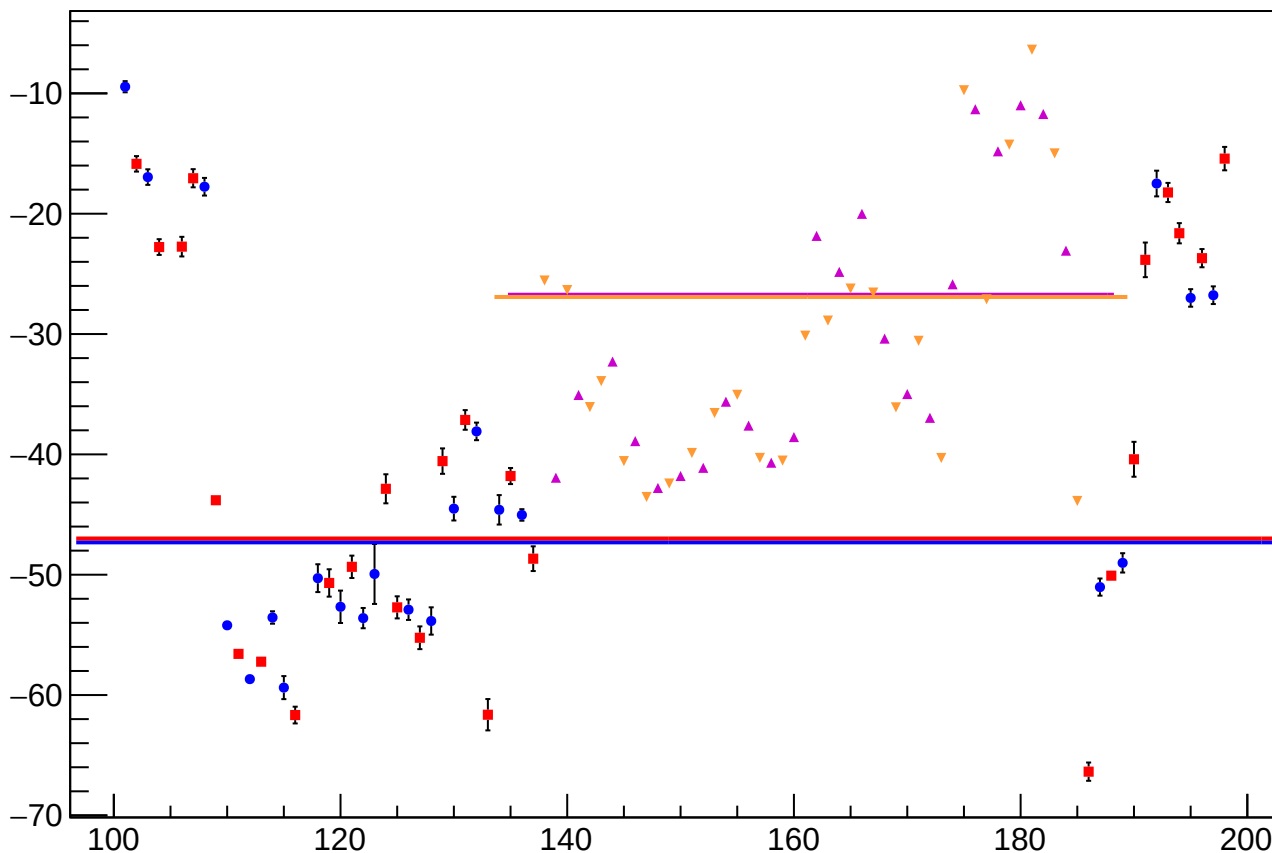
reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -41.747 ± 0.077 $\chi^2/\text{NDF}: 8396.2/21$
 Left Out: -34.594 ± 0.042 $\chi^2/\text{NDF}: 34404.6/24$
 Right Out: -39.633 ± 0.071 $\chi^2/\text{NDF}: 13871.9/25$
 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: -40.612 ± 0.052 $\chi^2/\text{NDF}: 22675.1/47$
 In: -35.980 ± 0.038 $\chi^2/\text{NDF}: 45248.8/44$
 Out: -35.889 ± 0.036 $\chi^2/\text{NDF}: 51982.5/50$
 All: -35.932 ± 0.026 $\chi^2/\text{NDF}: 97234.3/95$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -47.312 $\pm$ 0.117 χ^2 /NDF: 17158.9/21

Left Out: -26.920 $\pm$ 0.053 χ^2 /NDF: 49198.9/24

Right Out: -46.991 $\pm$ 0.098 χ^2 /NDF: 16457.0/25

Left In: -26.733 $\pm$ 0.055 χ^2 /NDF: 42643.0/22

Left: -26.829 $\pm$ 0.038 χ^2 /NDF: 91847.9/47

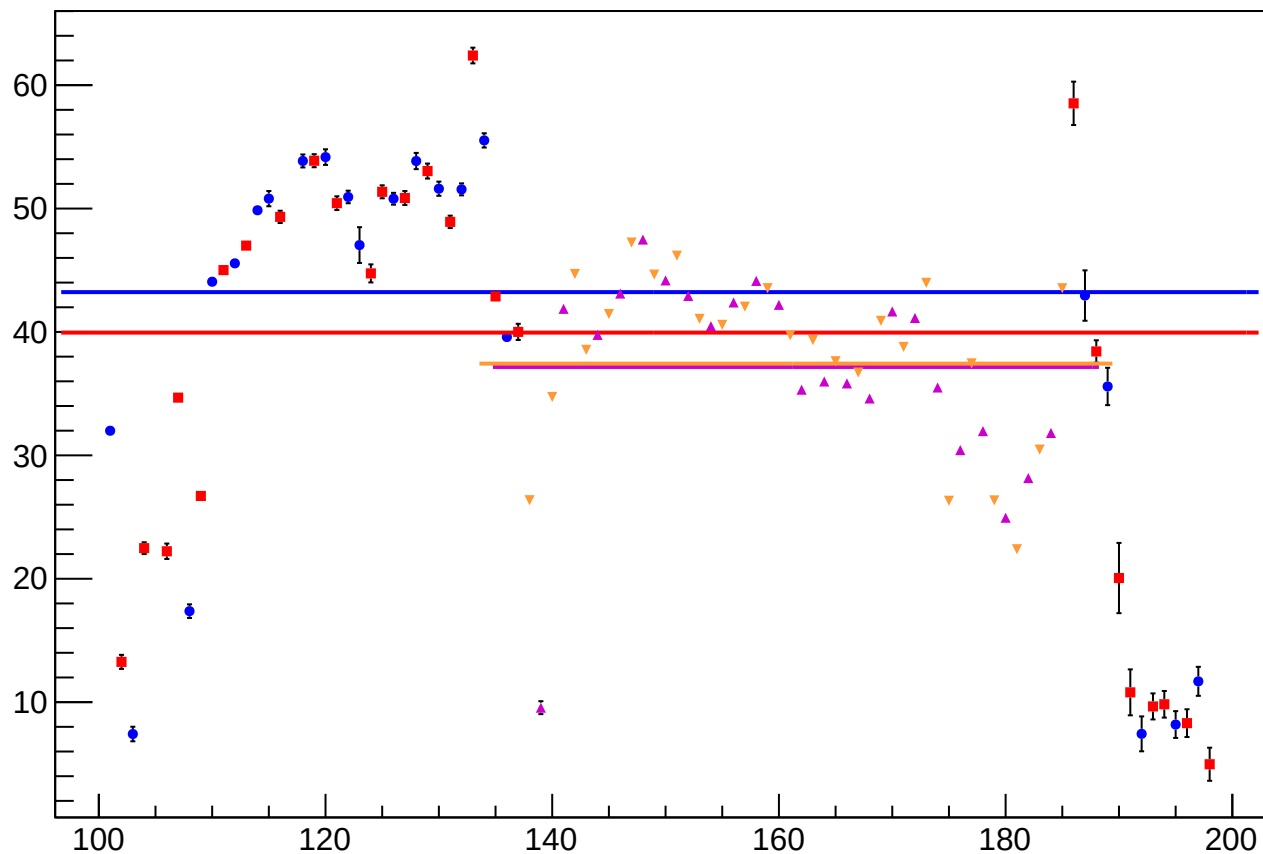
Right: -47.123 $\pm$ 0.075 χ^2 /NDF: 33620.3/47

In: -30.413 $\pm$ 0.050 χ^2 /NDF: 85089.6/44

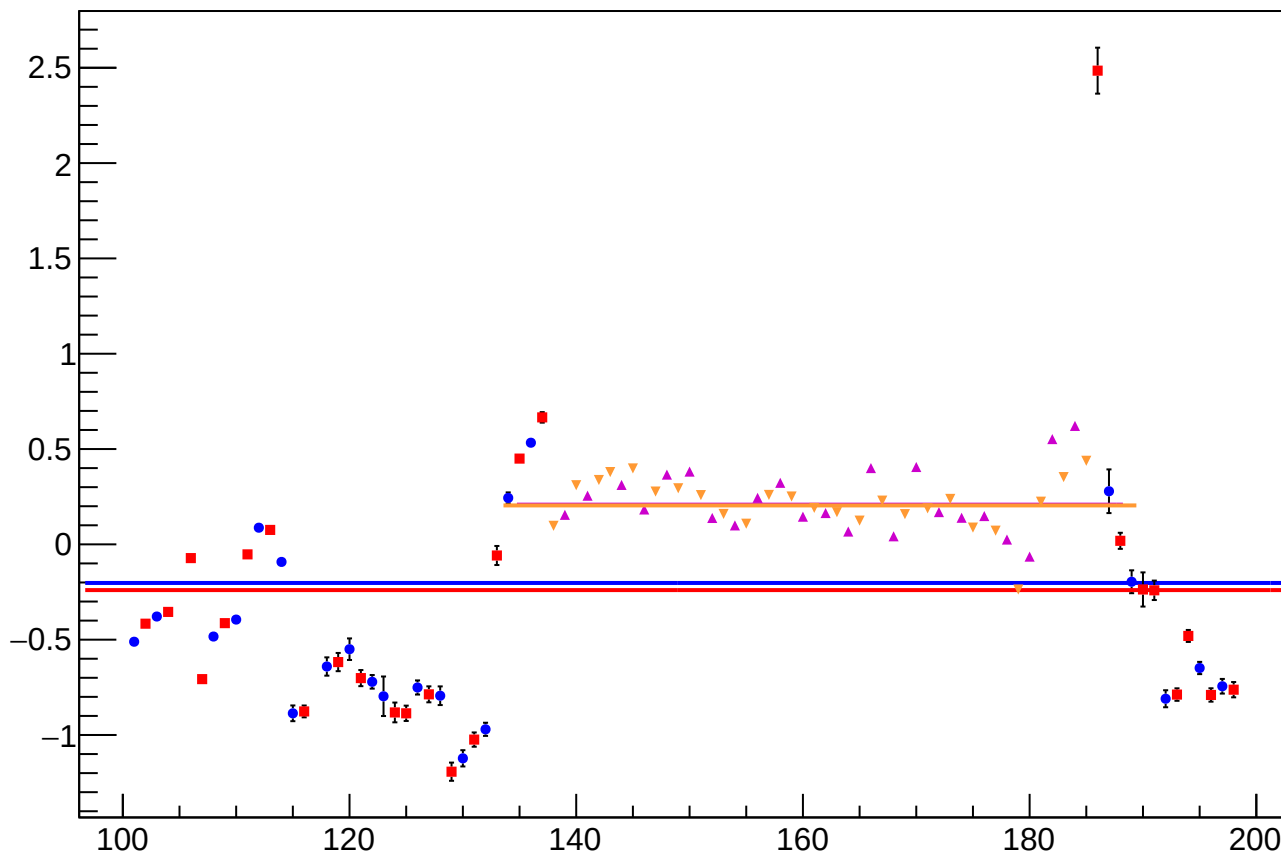
Out: -31.485 $\pm$ 0.047 χ^2 /NDF: 97865.5/50

All: -30.979 $\pm$ 0.034 χ^2 /NDF: 183201.7/95

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.202 ± 0.005 χ^2/NDF : 7997.6/21

Left Out: 0.204 ± 0.002 χ^2/NDF : 3801.8/24

Right Out: -0.240 ± 0.004 χ^2/NDF : 8788.7/25

Left In: 0.208 ± 0.002 χ^2/NDF : 5095.2/22

Left: 0.206 ± 0.002 χ^2/NDF : 8898.7/47

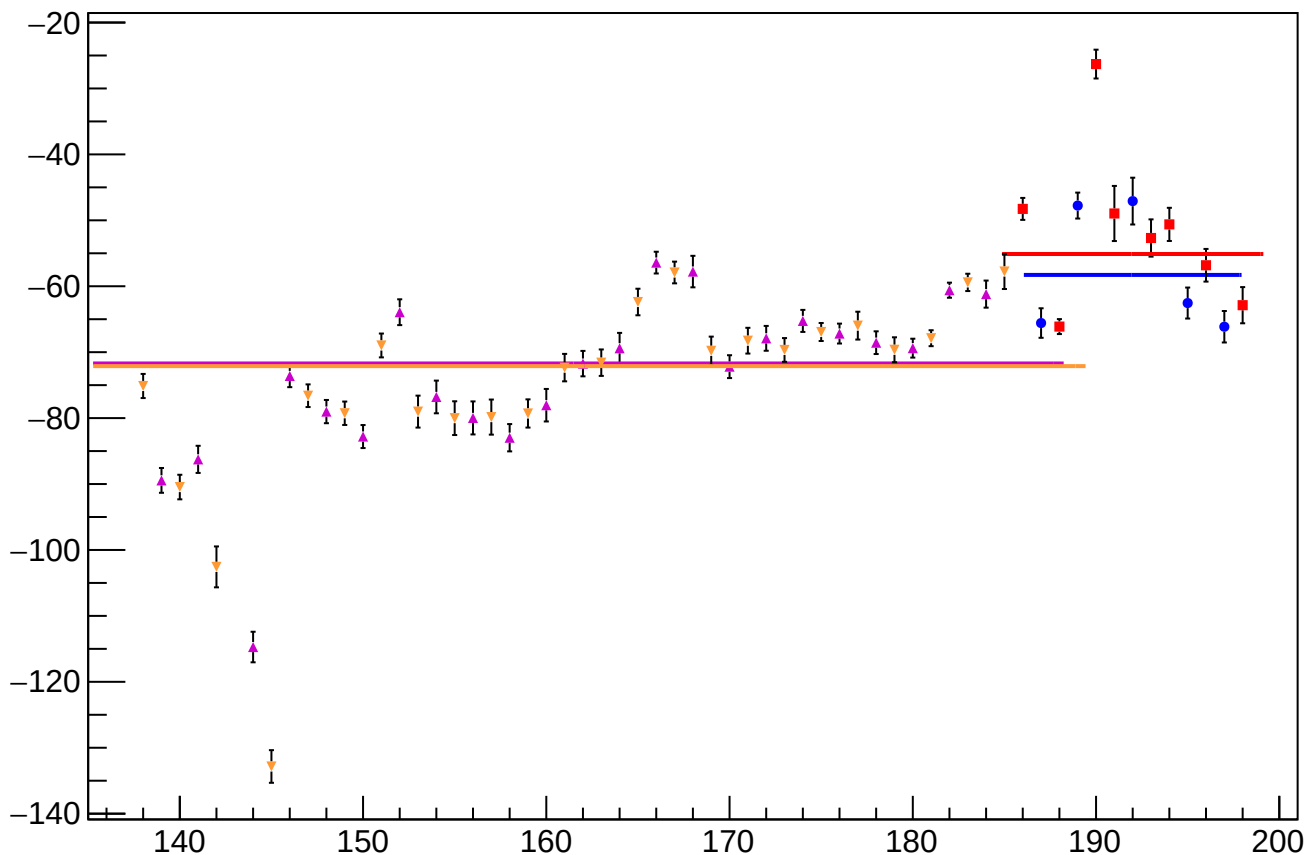
Right: -0.224 ± 0.003 χ^2/NDF : 16822.0/47

In: 0.132 ± 0.002 χ^2/NDF : 19321.4/44

Out: 0.108 ± 0.002 χ^2/NDF : 21592.1/50

All: 0.120 ± 0.001 χ^2/NDF : 40990.5/95

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -58.281 ± 1.058 χ^2/NDF : 63.3/4
 Left Out: -72.115 ± 0.383 χ^2/NDF : 1125.2/23
 Right Out: -55.108 ± 0.710 χ^2/NDF : 299.3/7
 Left In: -71.713 ± 0.380 χ^2/NDF : 884.6/22

Left: -71.913 ± 0.270 χ^2/NDF : 2010.3/46

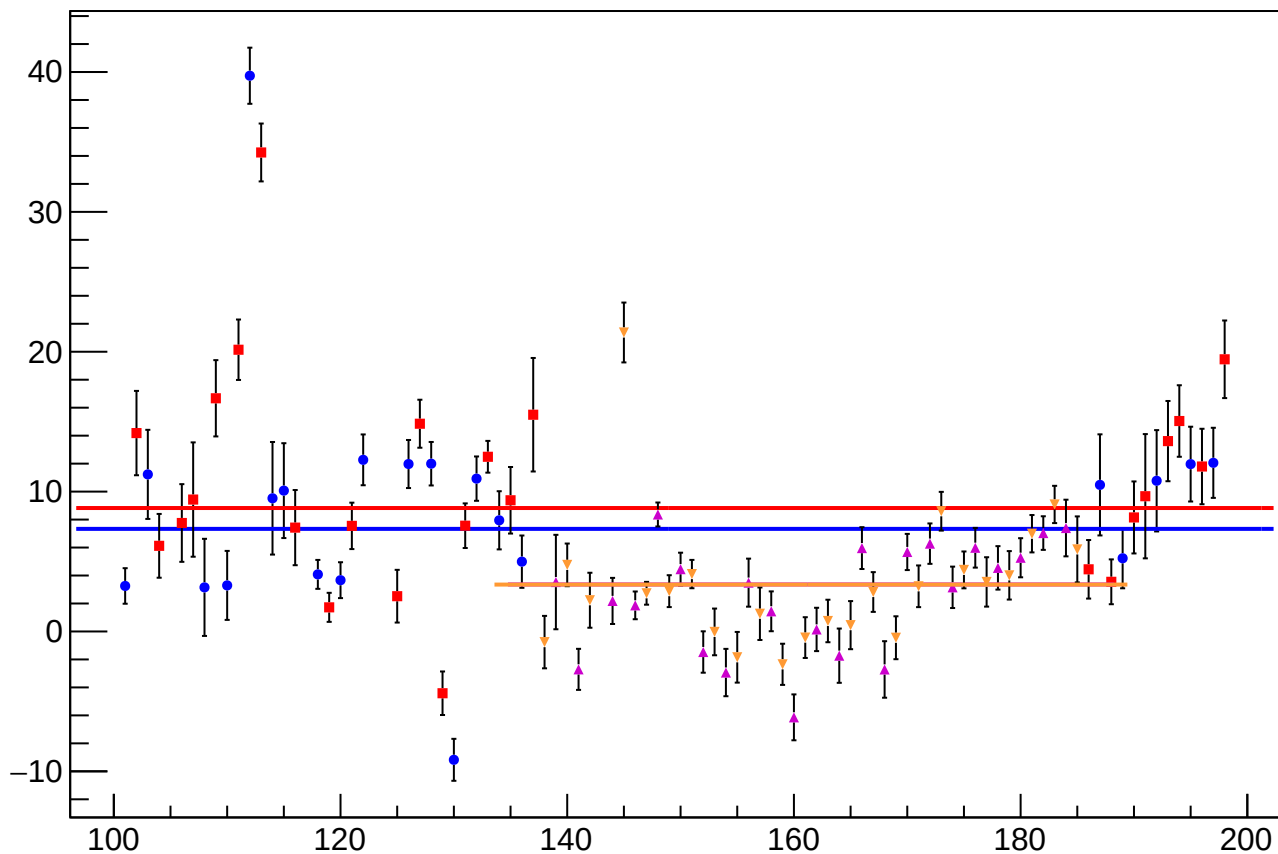
Right: -56.094 ± 0.590 χ^2/NDF : 368.8/12

In: -70.175 ± 0.358 χ^2/NDF : 1090.7/27

Out: -68.287 ± 0.337 χ^2/NDF : 1868.8/31

All: -69.174 ± 0.245 χ^2/NDF : 2974.3/59

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.335 $\pm$ 0.409 χ^2 /NDF: 456.4/20

Left Out: 3.353 $\pm$ 0.295 χ^2 /NDF:167.8/23

Right Out: 8.826 $\pm$ 0.398 χ^2 /NDF: 388.7/24

Left In: 3.360 $\pm$ 0.298 χ^2 /NDF:164.5/22

Left: 3.356 $\pm$ 0.209 χ^2 /NDF: 332.3/46

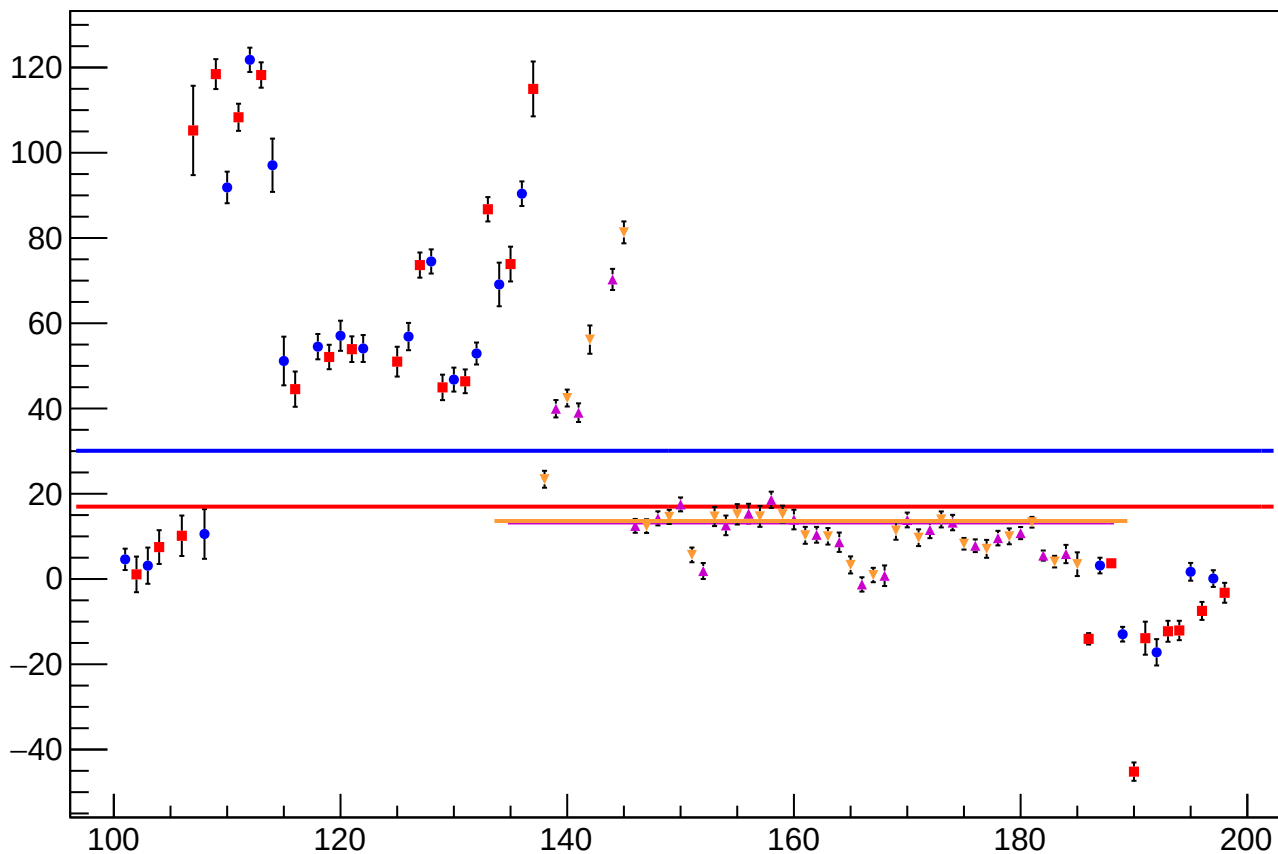
Right: 8.100 $\pm$ 0.285 χ^2 /NDF: 852.0/45

In: 4.738 $\pm$ 0.241 χ^2 /NDF:682.8/43

Out: 5.289 $\pm$ 0.237 χ^2 /NDF:678.6/48

All: 5.017 $\pm$ 0.169 χ^2 /NDF: 1364.1/92

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 30.083+/-0.612 χ^2/NDF : 4189.1/20

Left Out: 13.610+/-0.382 χ^2/NDF :1303.3/23

Right Out: 16.980+/-0.488 χ^2/NDF : 7100.9/24

Left In: 13.262+/-0.379 χ^2/NDF :1077.0/22

Left: 13.434+/-0.269 χ^2/NDF : 2380.7/46

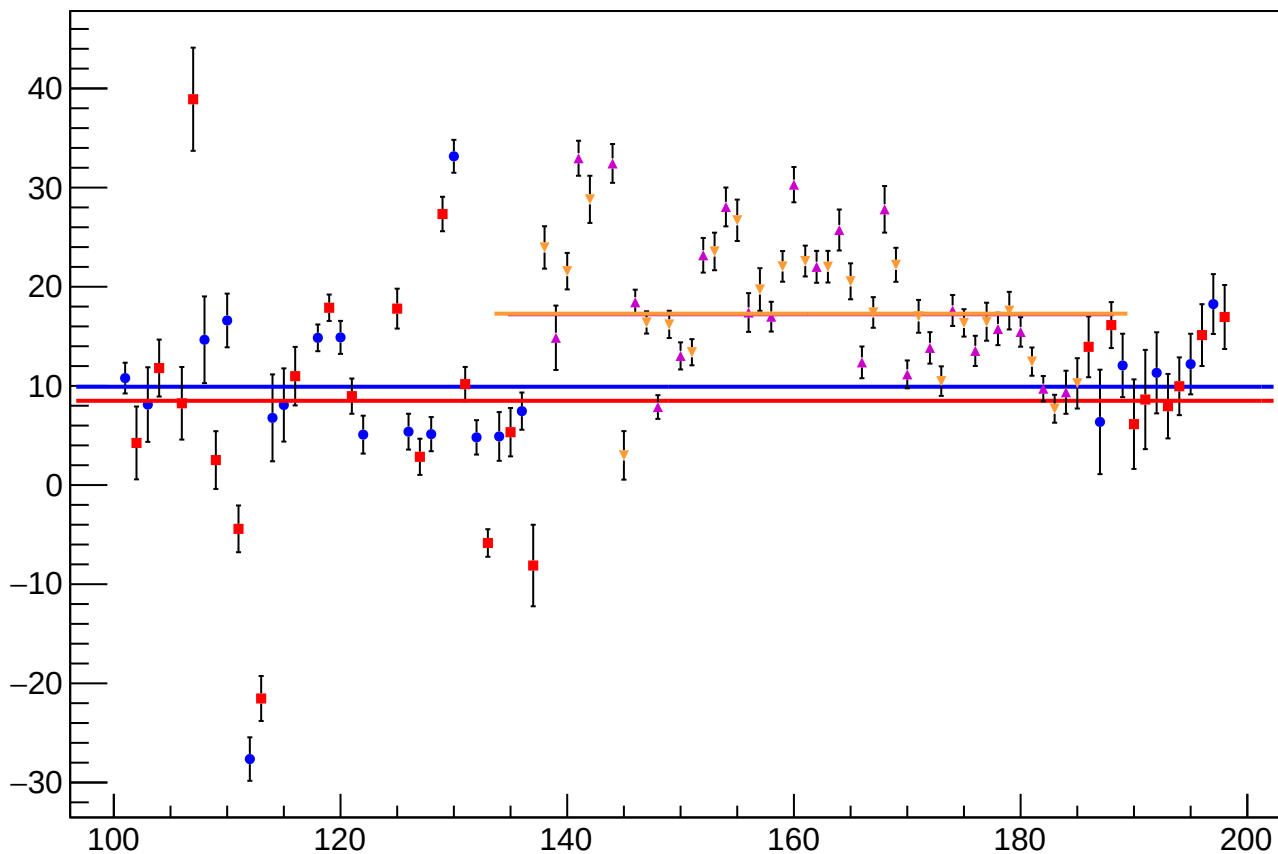
Right: 22.081+/-0.382 χ^2/NDF : 11570.3/45

In: 17.921+/-0.322 χ^2/NDF :5813.0/43

Out: 14.888+/-0.301 χ^2/NDF :8433.8/48

All: 16.302+/-0.220 χ^2/NDF : 14294.2/92

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.915 ± 0.477 $\chi^2/\text{NDF}: 564.1/20$

Left Out: 17.285 ± 0.337 $\chi^2/\text{NDF}: 244.0/23$

Right Out: 8.498 ± 0.469 $\chi^2/\text{NDF}: 596.4/24$

Left In: 17.224 ± 0.339 $\chi^2/\text{NDF}: 442.2/22$

Left: 17.255 ± 0.239 $\chi^2/\text{NDF}: 686.2/46$

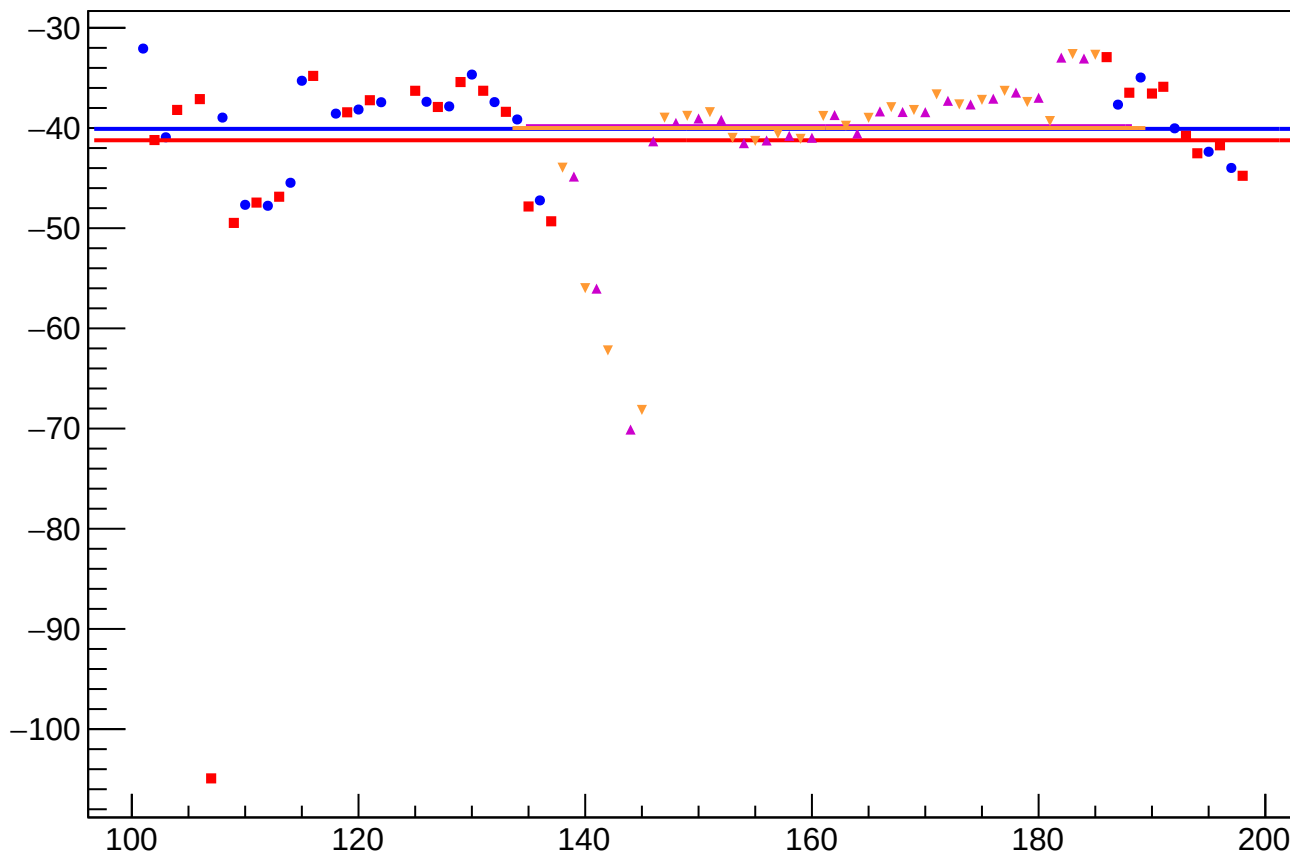
Right: 9.195 ± 0.335 $\chi^2/\text{NDF}: 1164.9/45$

In: 14.777 ± 0.276 $\chi^2/\text{NDF}: 1162.4/43$

Out: 14.296 ± 0.274 $\chi^2/\text{NDF}: 1071.7/48$

All: 14.534 ± 0.194 $\chi^2/\text{NDF}: 2235.6/92$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.085 ± 0.027 χ^2/NDF : 30341.1/20

Left Out: -40.002 ± 0.016 χ^2/NDF : 172150.1/23

Right Out: -41.223 ± 0.024 χ^2/NDF : 101155.8/24

Left In: -39.813 ± 0.016 χ^2/NDF : 145790.5/22

Left: -39.906 ± 0.011 χ^2/NDF : 318013.1/46

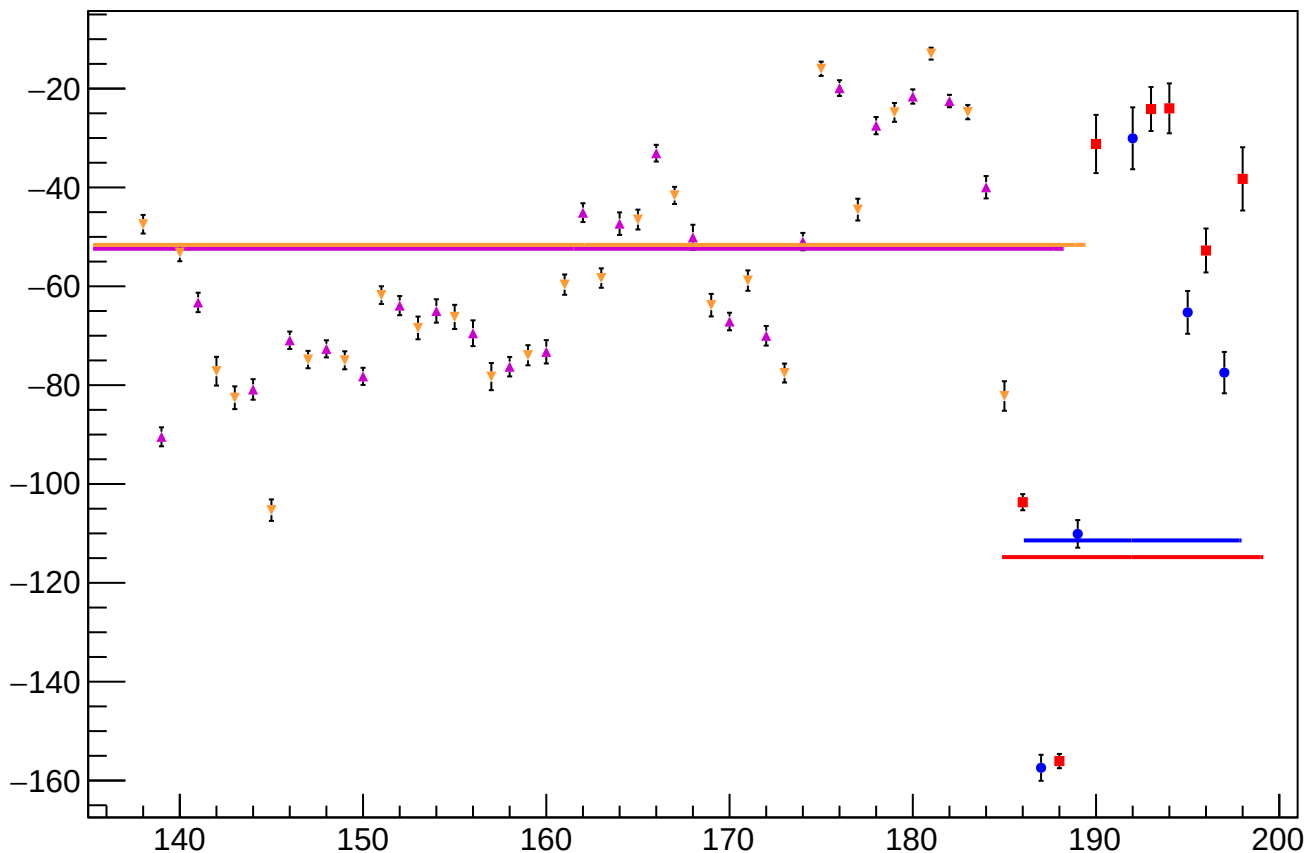
Right: -40.706 ± 0.018 χ^2/NDF : 132489.5/45

In: -39.882 ± 0.013 χ^2/NDF : 176209.0/43

Out: -40.362 ± 0.013 χ^2/NDF : 275079.8/48

All: -40.126 ± 0.009 χ^2/NDF : 451934.7/92

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -111.419 ± 1.564 $\chi^2/\text{NDF}: 653.9/4$

Left Out: -51.622 ± 0.383 $\chi^2/\text{NDF}: 4133.0/24$

Right Out: -114.794 ± 0.977 $\chi^2/\text{NDF}: 2140.1/6$

Left In: -52.409 ± 0.387 $\chi^2/\text{NDF}: 3378.7/22$

Left: -52.012 ± 0.272 $\chi^2/\text{NDF}: 7513.8/47$

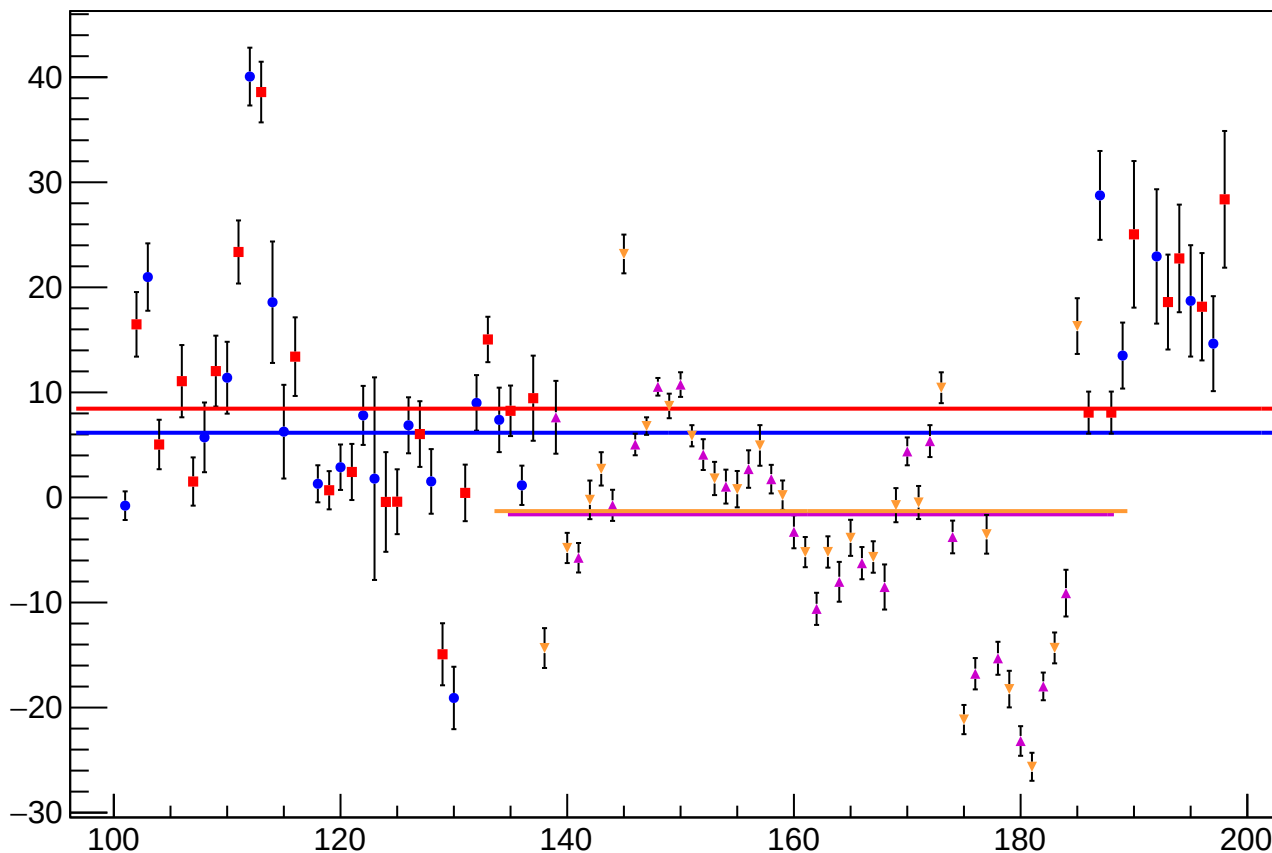
Right: -113.847 ± 0.829 $\chi^2/\text{NDF}: 2797.3/11$

In: -55.815 ± 0.376 $\chi^2/\text{NDF}: 5373.2/27$

Out: -60.057 ± 0.357 $\chi^2/\text{NDF}: 9896.5/31$

All: -58.045 ± 0.259 $\chi^2/\text{NDF}: 15336.7/59$

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: -1.450 ± 0.209 $\chi^2/\text{NDF}: 2413.6/47$

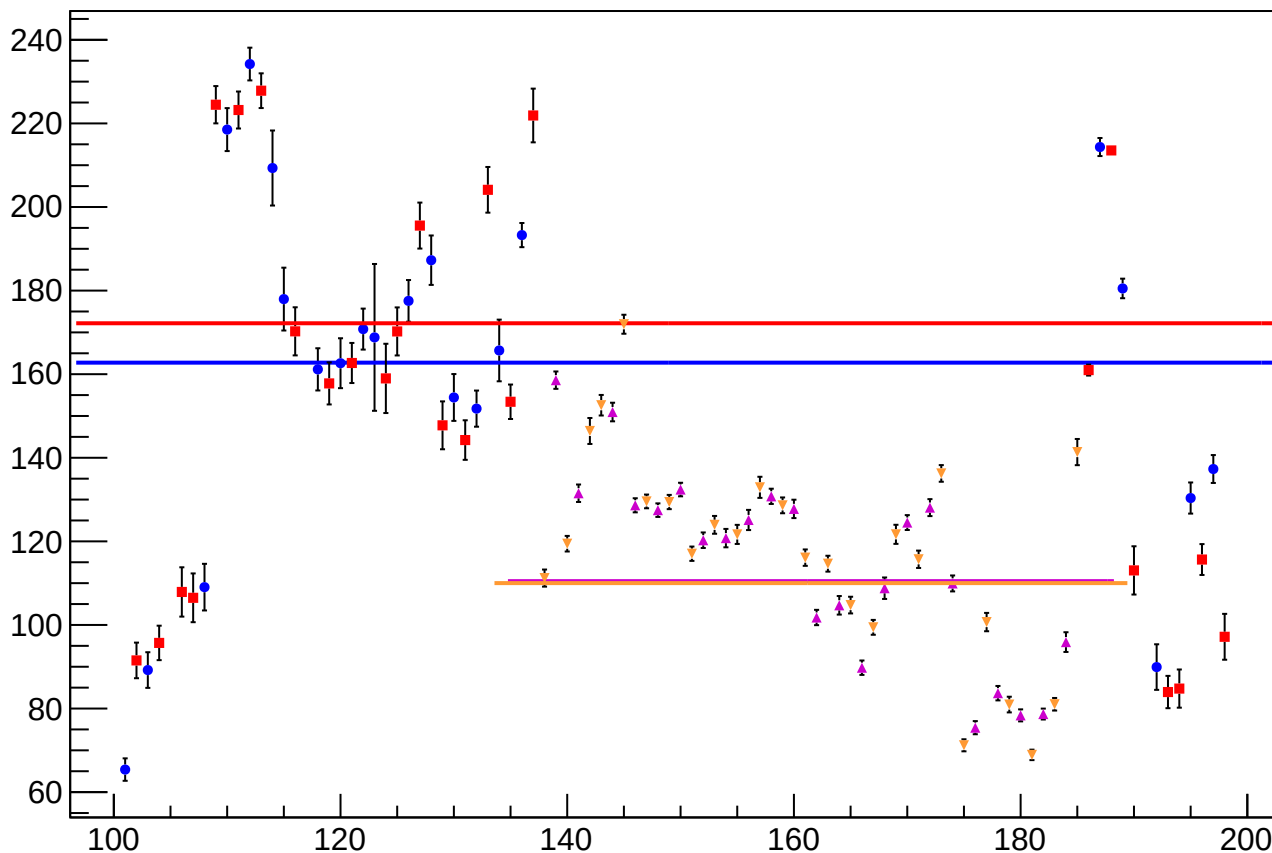
Right: 7.337 ± 0.413 $\chi^2/\text{NDF}: 660.6/46$

In: -0.023 ± 0.267 $\chi^2/\text{NDF}: 1584.1/44$

Out: 0.700 ± 0.261 $\chi^2/\text{NDF}: 1847.1/49$

All: 0.348 ± 0.187 $\chi^2/\text{NDF}: 3435.0/94$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 162.760 $\pm$ 0.859 χ^2 /NDF: 3274.8/21

Left Out: 110.012 $\pm$ 0.383 χ^2 /NDF:4537.0/24

Right Out: 172.184 $\pm$ 0.660 χ^2 /NDF: 4354.9/24

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

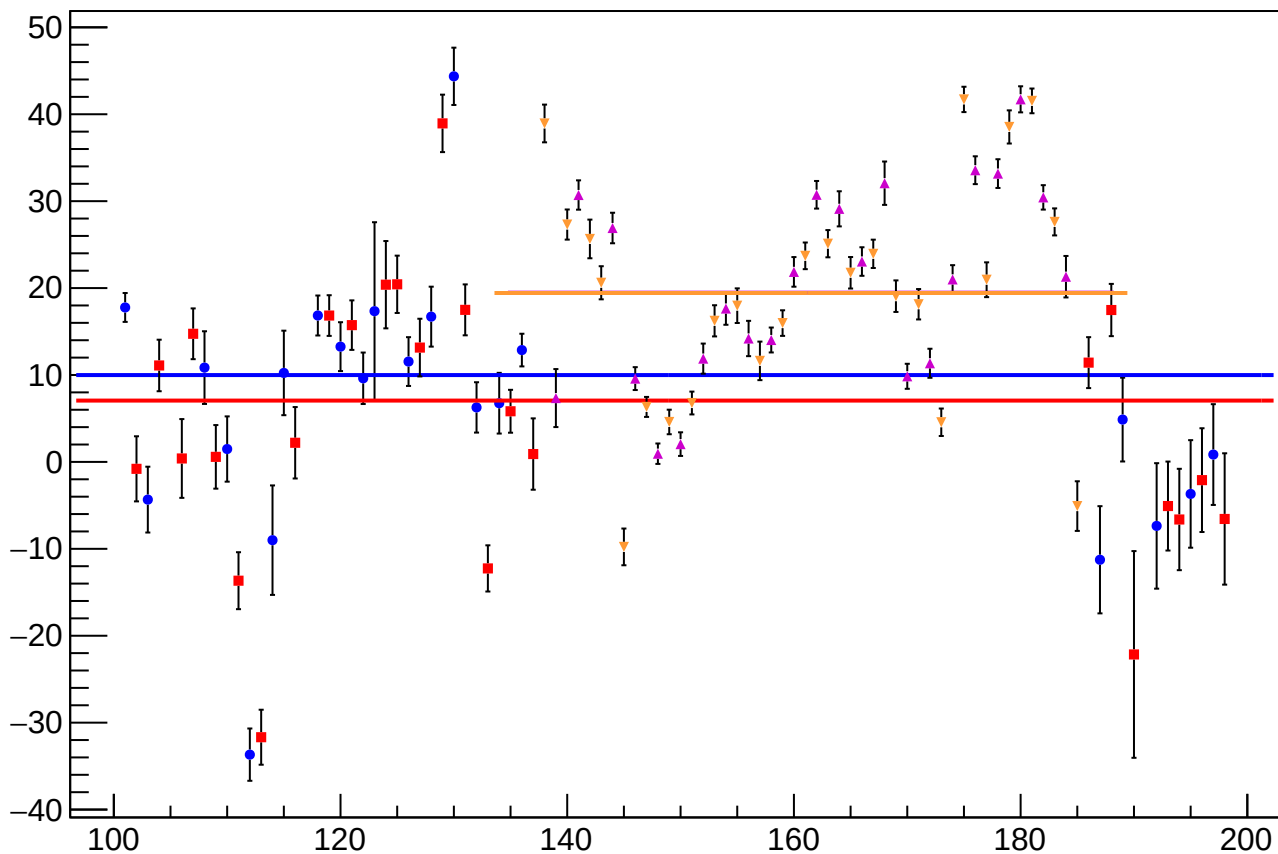
Right: 168.685 $\pm$ 0.523 χ^2 /NDF: 7705.4/46

In: 119.216 $\pm$ 0.351 χ^2 /NDF:10185.1/44

Out: 125.657 $\pm$ 0.331 χ^2 /NDF:15530.8/49

All: 122.625 $\pm$ 0.241 χ^2 /NDF: 25894.0/94

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.992 ± 0.689 $\chi^2/\text{NDF}: 415.8/21$

Left Out: 19.434 ± 0.336 $\chi^2/\text{NDF}: 1452.3/24$

Right Out: 7.056 ± 0.686 $\chi^2/\text{NDF}: 461.5/24$

Left In: 19.472 ± 0.342 $\chi^2/\text{NDF}: 1188.2/22$

Left: 19.453 ± 0.239 $\chi^2/\text{NDF}: 2640.5/47$

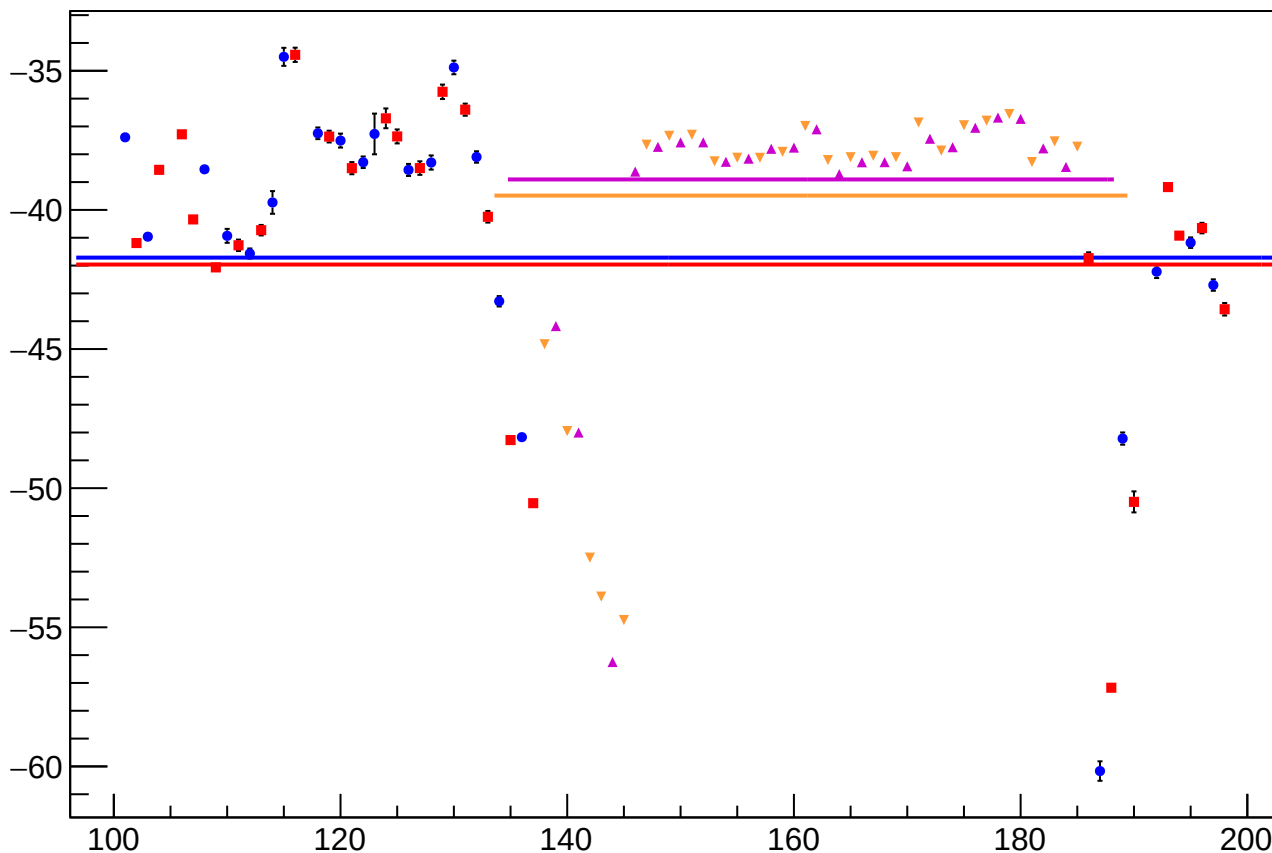
Right: 8.518 ± 0.486 $\chi^2/\text{NDF}: 886.4/46$

In: 17.599 ± 0.306 $\chi^2/\text{NDF}: 1756.1/44$

Out: 17.043 ± 0.301 $\chi^2/\text{NDF}: 2176.7/49$

All: 17.317 ± 0.215 $\chi^2/\text{NDF}: 3934.5/94$

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.714 $\pm$ 0.036 χ^2 /NDF: 16393.8/21

Left Out: -39.484 $\pm$ 0.016 χ^2 /NDF: 88877.3/24

Right Out: -41.963 $\pm$ 0.034 χ^2 /NDF: 22395.7/24

Left In: -38.905 $\pm$ 0.016 χ^2 /NDF: 54282.7/22

Left: -39.195 $\pm$ 0.011 χ^2 /NDF: 143834.7/47

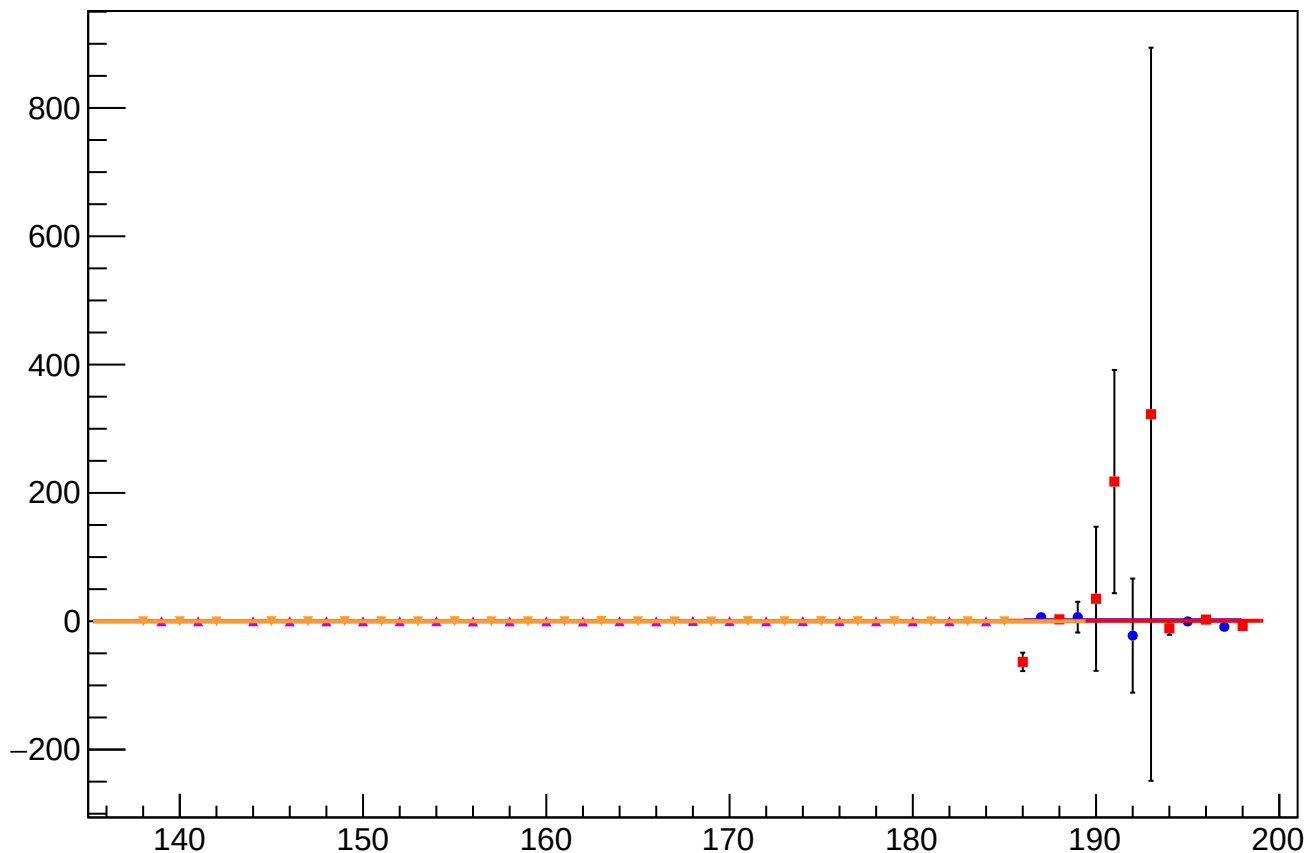
Right: -41.845 $\pm$ 0.025 χ^2 /NDF: 38814.6/46

In: -39.360 $\pm$ 0.014 χ^2 /NDF: 75801.0/44

Out: -39.918 $\pm$ 0.014 χ^2 /NDF: 115598.6/49

All: -39.642 $\pm$ 0.010 χ^2 /NDF: 192151.4/94

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.465+/-2.231 χ^2/NDF : 7.6/4

Left Out: -0.089+/-0.022 χ^2/NDF : 40.0/23

Right Out: 0.781+/-1.716 χ^2/NDF : 26.5/7

Left In: -0.026+/-0.022 χ^2/NDF : 32.3/22

Left: -0.057+/-0.016 χ^2/NDF : 76.4/46

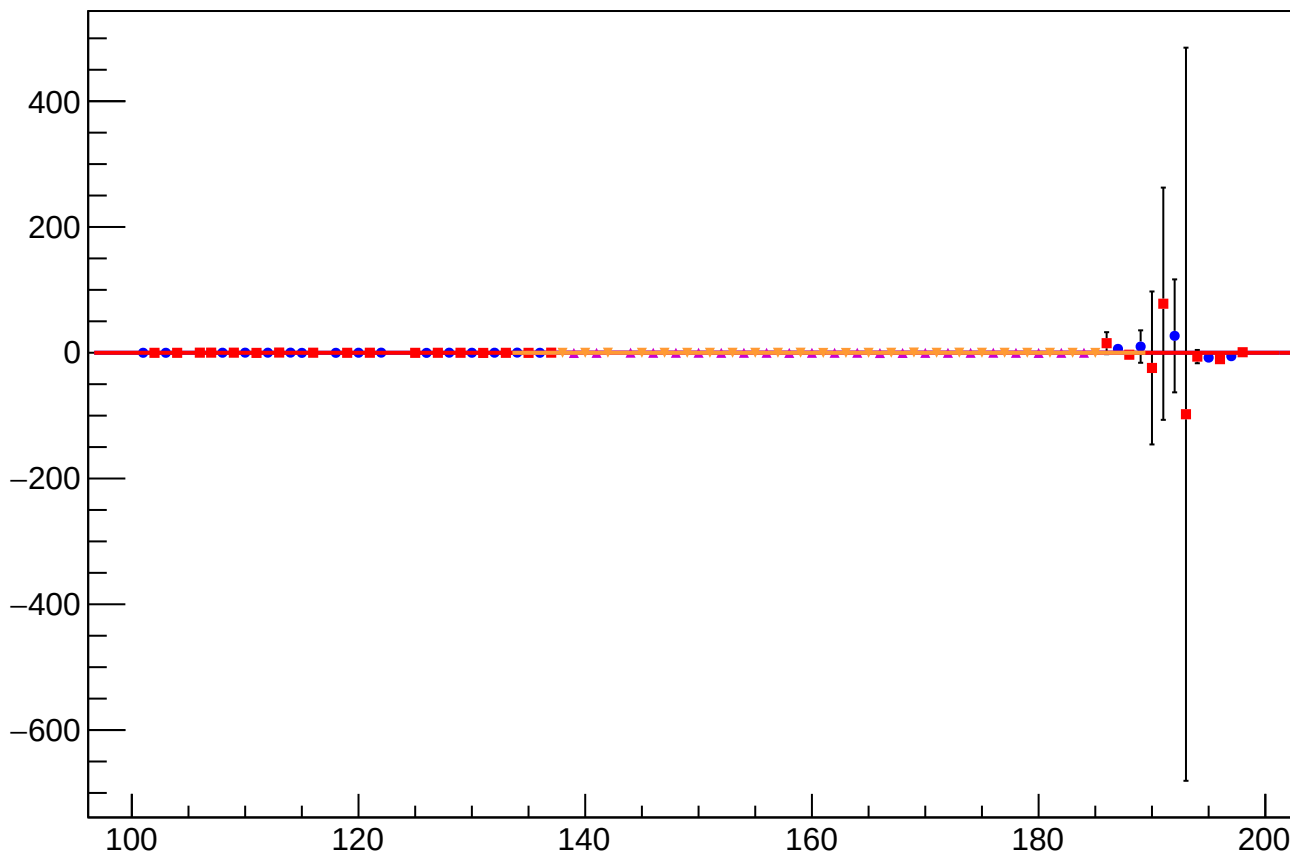
Right: 1.035+/-1.360 χ^2/NDF : 34.1/12

In: -0.025+/-0.022 χ^2/NDF : 40.3/27

Out: -0.089+/-0.022 χ^2/NDF : 66.8/31

All: -0.057+/-0.016 χ^2/NDF : 111.2/59

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.001 ± 0.028 $\chi^2/\text{NDF}: 17.4/20$

Left Out: -0.081 ± 0.017 $\chi^2/\text{NDF}: 25.8/23$

Right Out: -0.052 ± 0.029 $\chi^2/\text{NDF}: 26.5/24$

Left In: -0.055 ± 0.018 $\chi^2/\text{NDF}: 32.2/22$

Left: -0.068 ± 0.012 $\chi^2/\text{NDF}: 59.1/46$

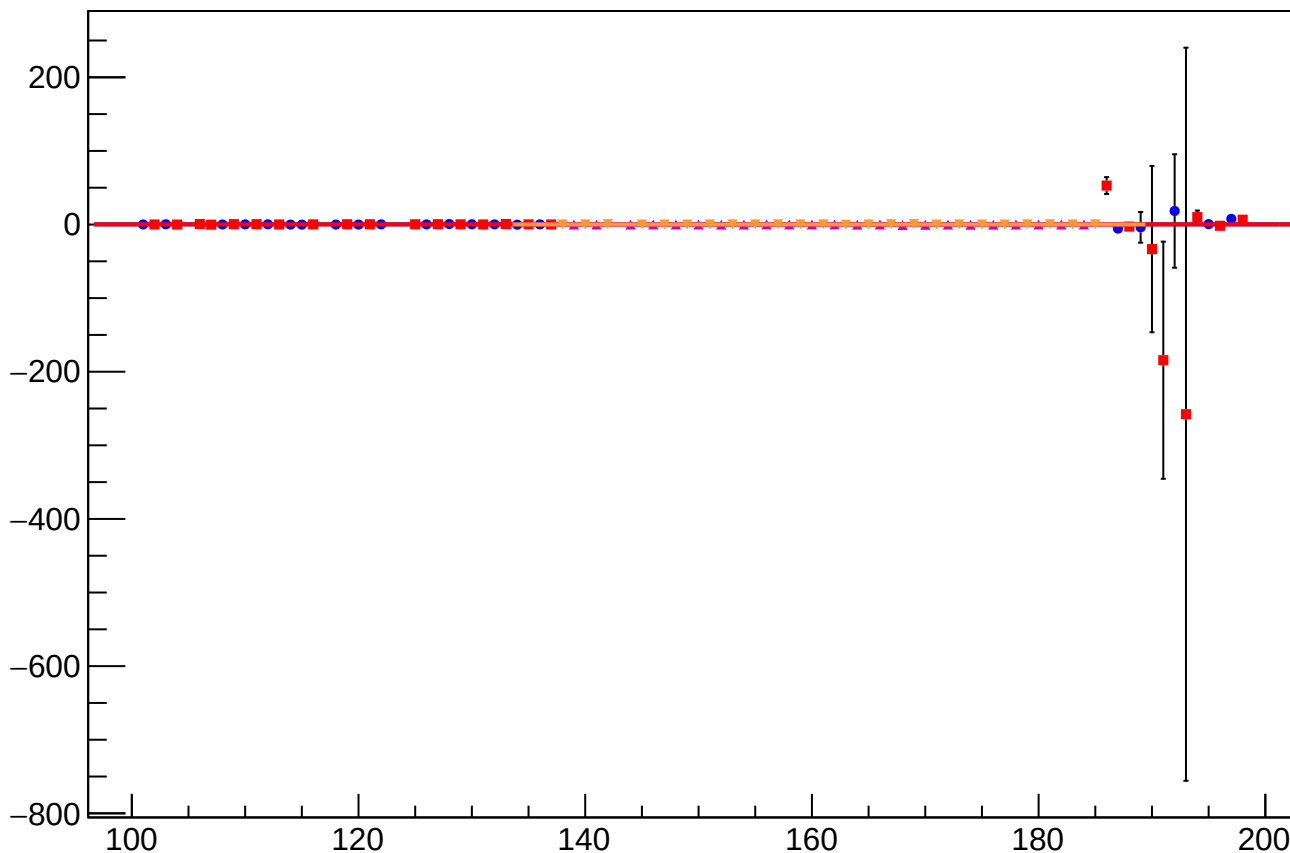
Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 45.6/45$

In: -0.039 ± 0.015 $\chi^2/\text{NDF}: 52.4/43$

Out: -0.073 ± 0.015 $\chi^2/\text{NDF}: 53.0/48$

All: -0.056 ± 0.011 $\chi^2/\text{NDF}: 108.1/92$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.170 $\pm$ 0.052 χ^2 /NDF: 23.2/20

Left Out: 0.082 $\pm$ 0.022 χ^2 /NDF:38.7/23

Right Out: 0.238 $\pm$ 0.054 χ^2 /NDF: 46.4/24

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

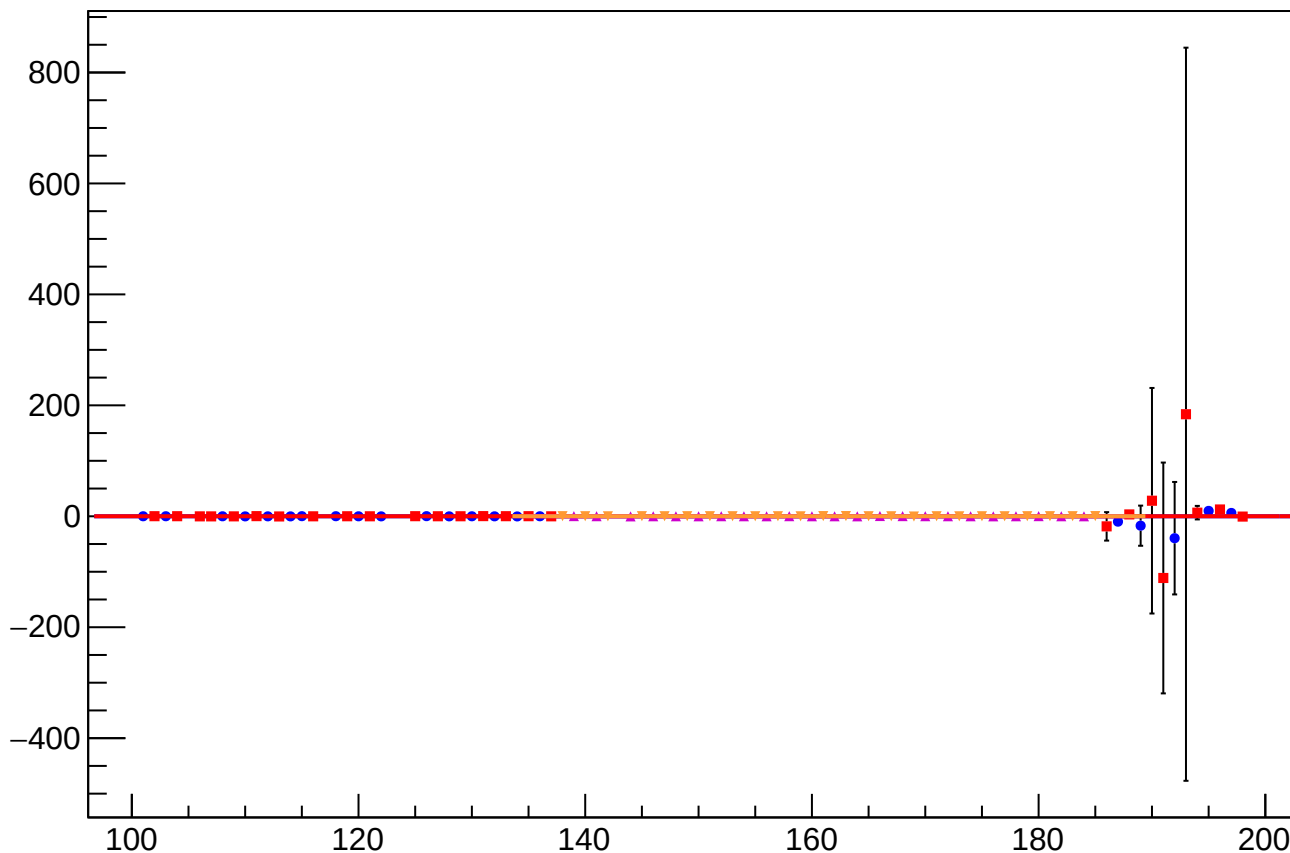
Right: 0.203 $\pm$ 0.038 χ^2 /NDF: 70.4/45

In: 0.043 $\pm$ 0.020 χ^2 /NDF:64.7/43

Out: 0.104 $\pm$ 0.020 χ^2 /NDF:92.3/48

All: 0.073 $\pm$ 0.014 χ^2 /NDF: 161.5/92

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 $\chi^2/\text{NDF}: 19.0/20$

Left Out: 0.105 ± 0.020 $\chi^2/\text{NDF}: 29.5/23$

Right Out: 0.059 ± 0.034 $\chi^2/\text{NDF}: 25.1/24$

Left In: 0.072 ± 0.020 $\chi^2/\text{NDF}: 31.7/22$

Left: 0.089 ± 0.014 $\chi^2/\text{NDF}: 62.6/46$

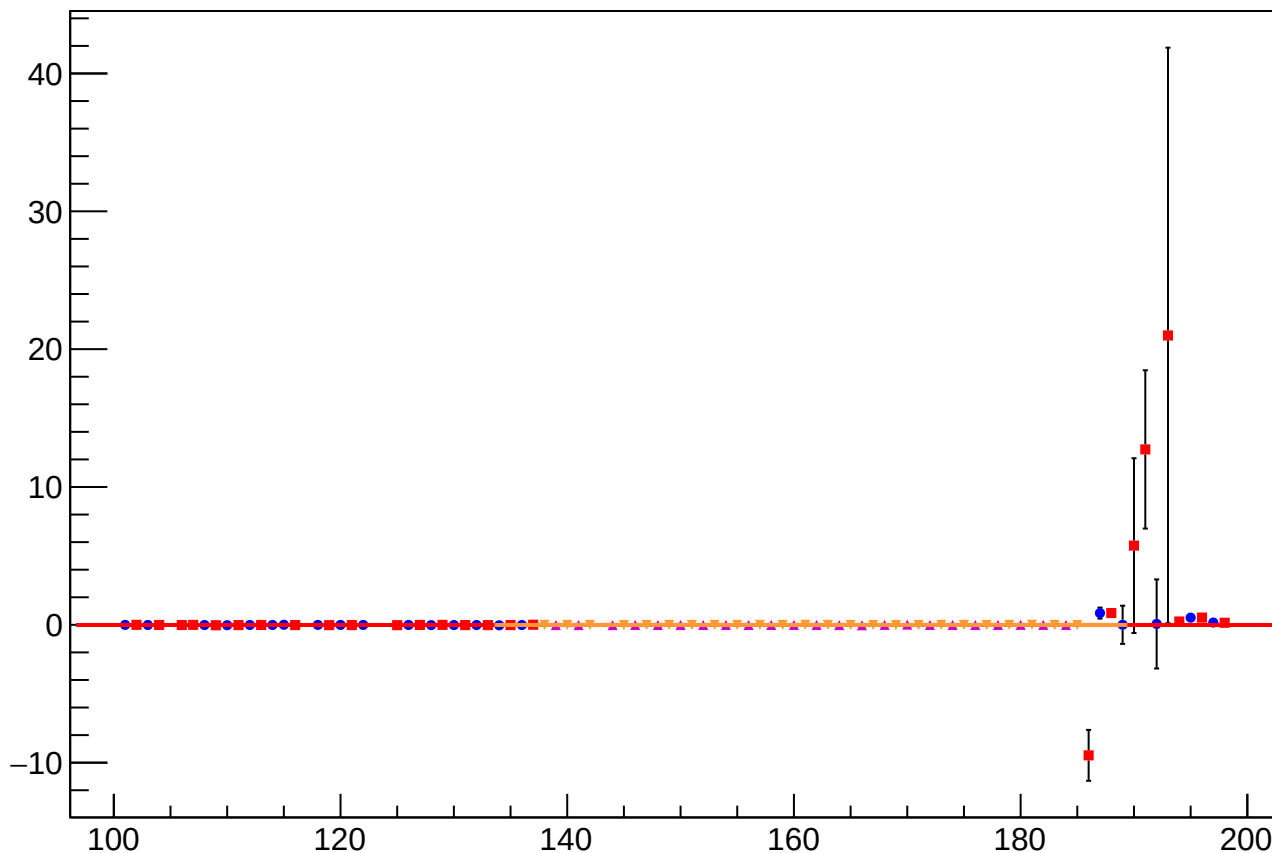
Right: 0.023 ± 0.023 $\chi^2/\text{NDF}: 46.4/45$

In: 0.050 ± 0.017 $\chi^2/\text{NDF}: 55.5/43$

Out: 0.093 ± 0.017 $\chi^2/\text{NDF}: 56.0/48$

All: 0.072 ± 0.012 $\chi^2/\text{NDF}: 114.7/92$

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 25.3/20

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.7/23

Right Out: -0.011 ± 0.002 χ^2/NDF : 78.0/24

Left In: -0.009 ± 0.001 χ^2/NDF : 42.1/22

Left: -0.008 ± 0.001 χ^2/NDF : 73.1/46

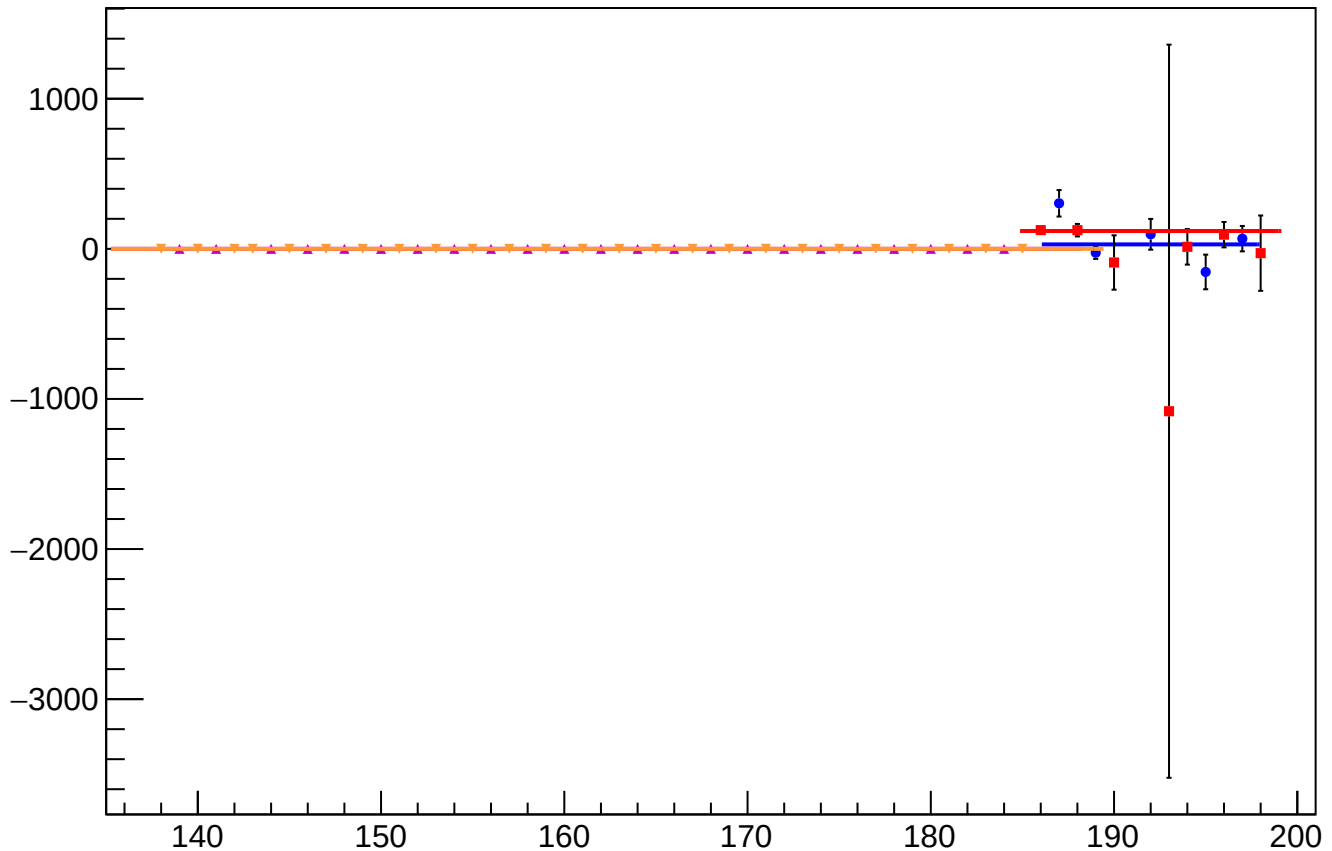
Right: -0.011 ± 0.001 χ^2/NDF : 103.5/45

In: -0.009 ± 0.001 χ^2/NDF : 69.6/43

Out: -0.009 ± 0.001 χ^2/NDF : 110.5/48

All: -0.009 ± 0.001 χ^2/NDF : 180.6/92

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.623+/-31.094 χ^2/NDF : 14.7/4

Left Out: 0.013+/-0.027 χ^2/NDF :29.2/24

Right Out: 118.819+/-16.536 χ^2/NDF : 2.9/6

Left In: 0.004+/-0.028 χ^2/NDF :28.2/22

Left: 0.009+/-0.019 χ^2/NDF : 57.4/47

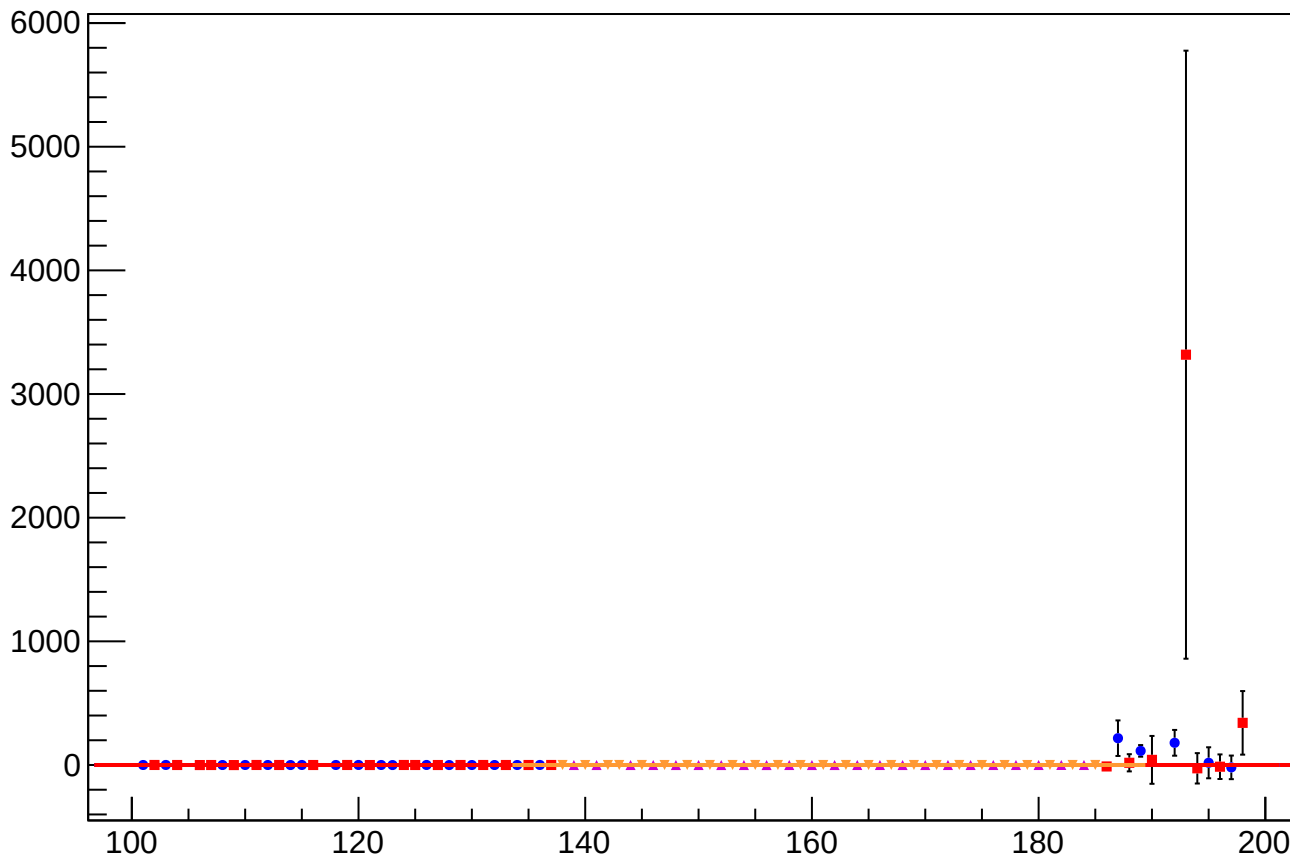
Right: 99.154+/-14.600 χ^2/NDF : 24.0/11

In: 0.004+/-0.028 χ^2/NDF :43.8/27

Out: 0.014+/-0.027 χ^2/NDF :83.7/31

All: 0.009+/-0.019 χ^2/NDF : 127.5/59

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 34.6/21

Left Out: -0.058 ± 0.021 χ^2/NDF : 25.4/24

Right Out: -0.128 ± 0.039 χ^2/NDF : 21.4/24

Left In: -0.072 ± 0.022 χ^2/NDF : 48.7/22

Left: -0.064 ± 0.015 χ^2/NDF : 74.4/47

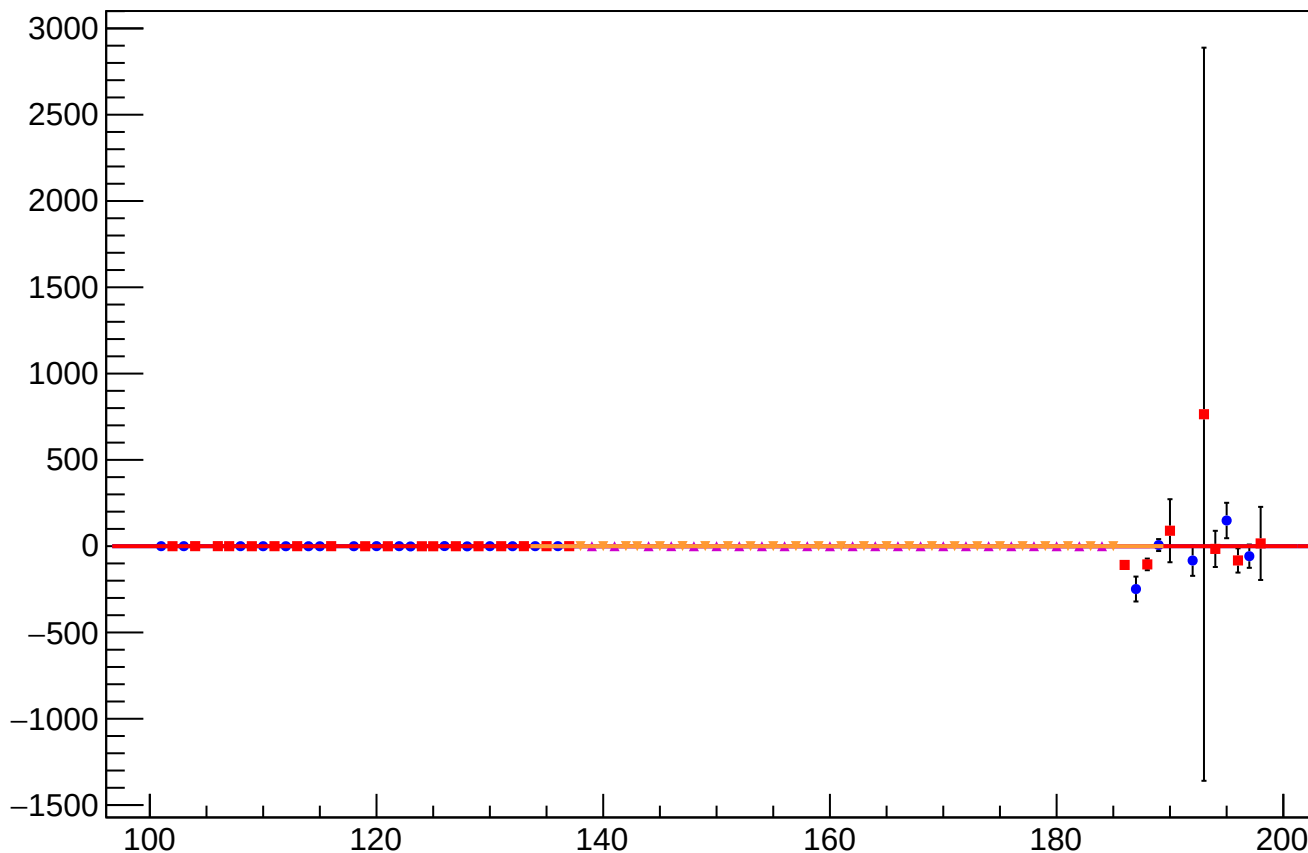
Right: -0.072 ± 0.027 χ^2/NDF : 59.8/46

In: -0.059 ± 0.019 χ^2/NDF : 84.6/44

Out: -0.074 ± 0.019 χ^2/NDF : 49.3/49

All: -0.066 ± 0.013 χ^2/NDF : 134.2/94

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.130 ± 0.067 χ^2/NDF : 39.3/21

Left Out: -0.015 ± 0.027 χ^2/NDF : 27.0/24

Right Out: -0.176 ± 0.071 χ^2/NDF : 69.7/24

Left In: -0.035 ± 0.027 χ^2/NDF : 27.7/22

Left: -0.025 ± 0.019 χ^2/NDF : 55.0/47

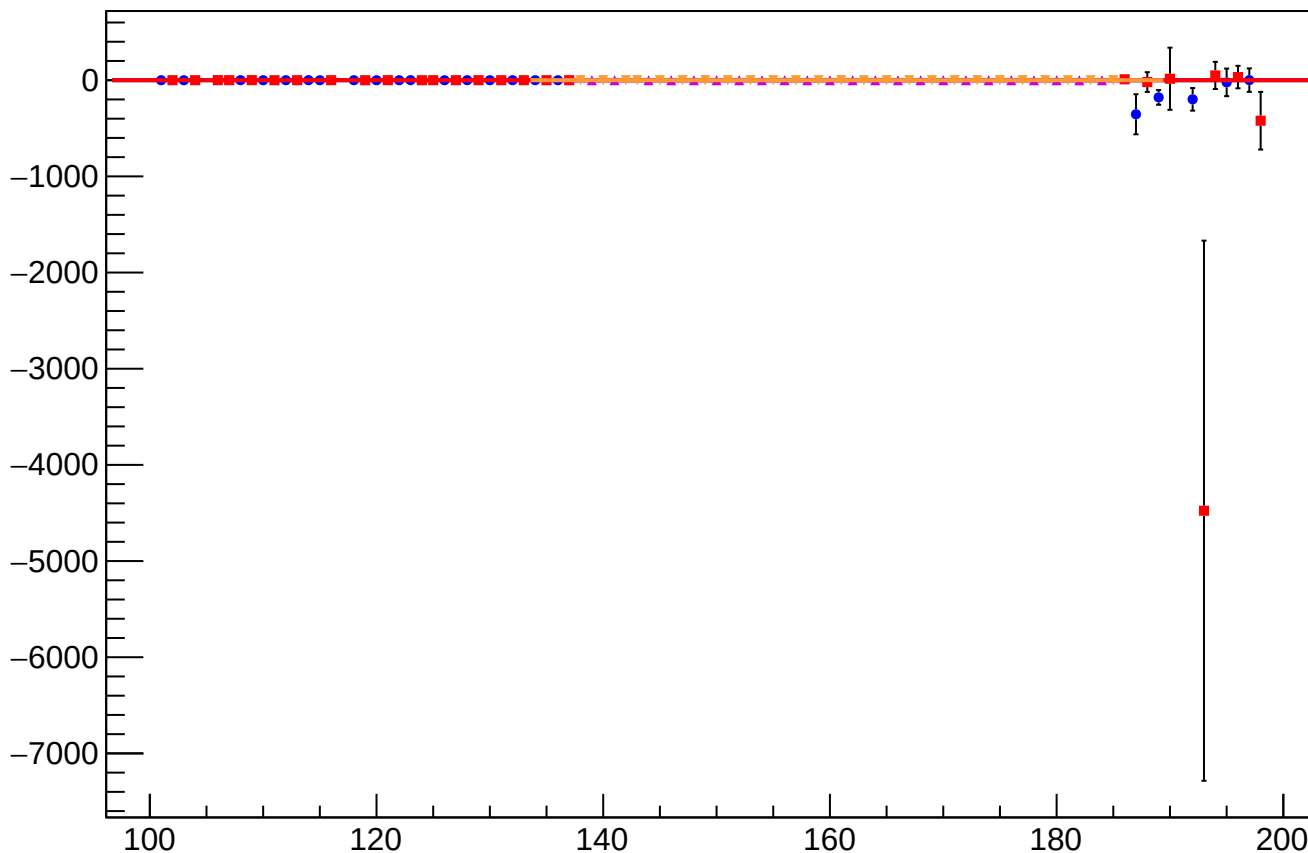
Right: -0.151 ± 0.049 χ^2/NDF : 109.2/46

In: -0.048 ± 0.025 χ^2/NDF : 68.8/44

Out: -0.035 ± 0.025 χ^2/NDF : 101.2/49

All: -0.042 ± 0.018 χ^2/NDF : 170.1/94

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 33.7/21

Left Out: 0.062+/-0.024 χ^2/NDF : 25.0/24

Right Out: 0.152+/-0.045 χ^2/NDF : 20.6/24

Left In: 0.069+/-0.025 χ^2/NDF : 51.4/22

Left: 0.065+/-0.017 χ^2/NDF : 76.5/47

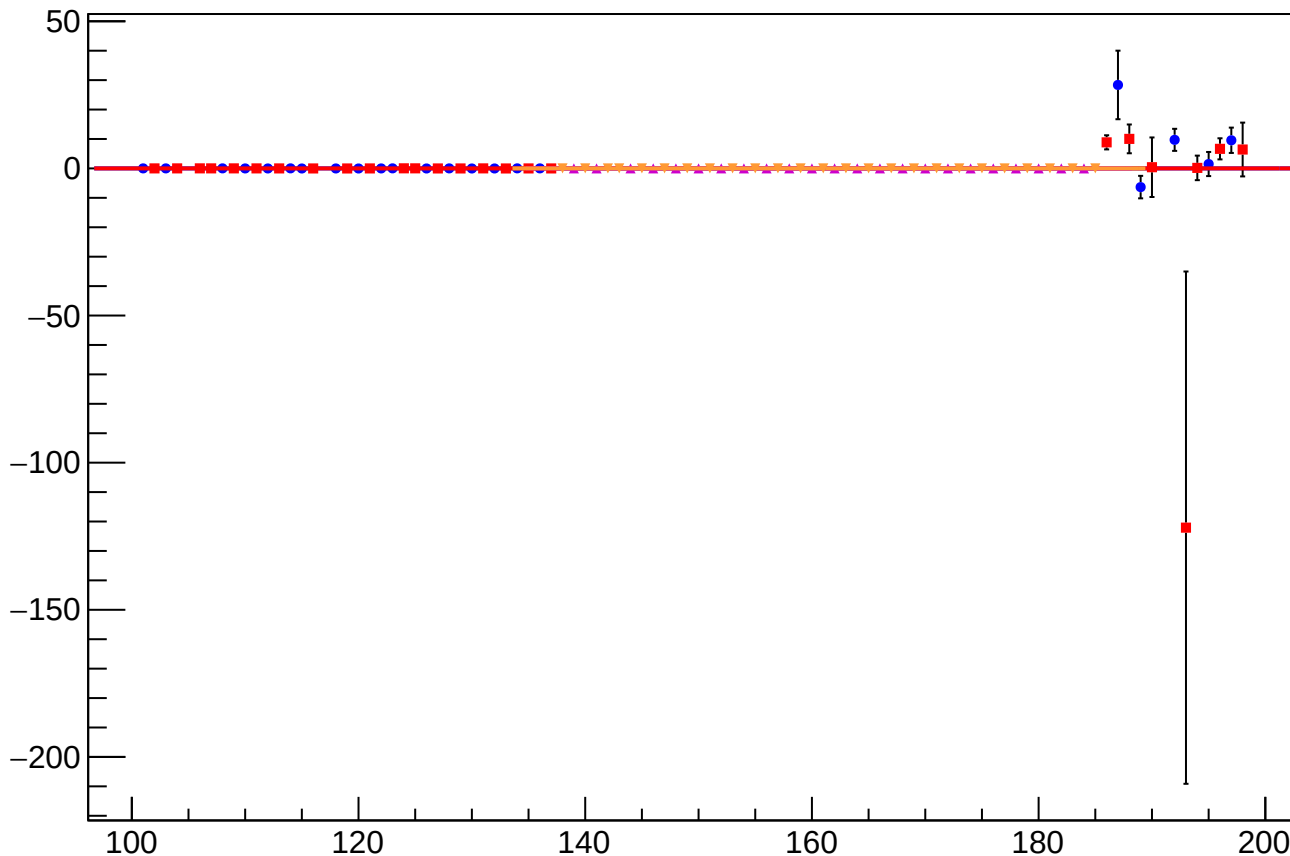
Right: 0.082+/-0.031 χ^2/NDF : 58.7/46

In: 0.057+/-0.021 χ^2/NDF : 86.1/44

Out: 0.081+/-0.021 χ^2/NDF : 48.7/49

All: 0.069+/-0.015 χ^2/NDF : 135.5/94

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 52.9/21

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 25.9/24

Right Out: 0.002 $\pm$ 0.002 χ^2 /NDF: 44.3/24

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

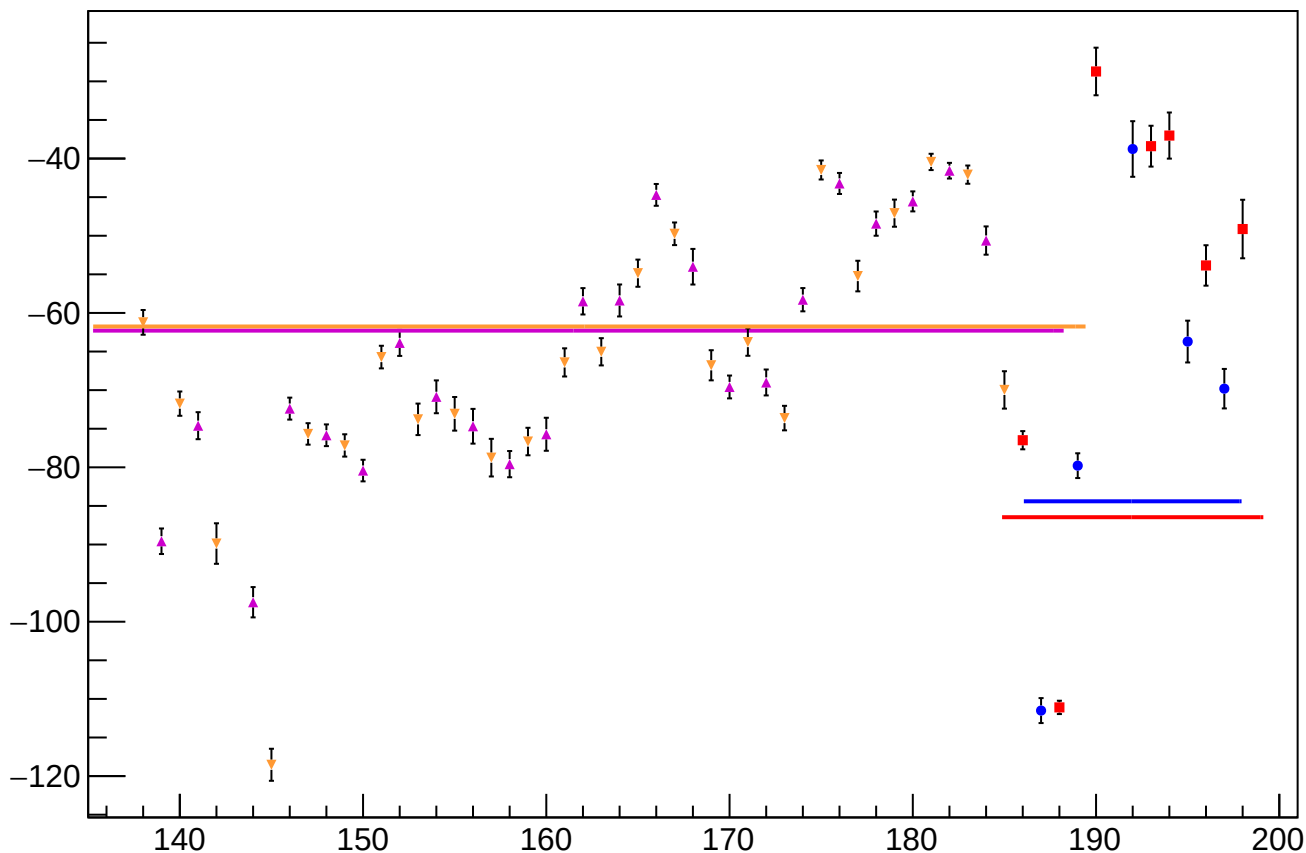
Right: 0.002 $\pm$ 0.002 χ^2 /NDF: 97.3/46

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 78.8/44

Out: 0.007 $\pm$ 0.001 χ^2 /NDF: 75.5/49

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 154.3/94

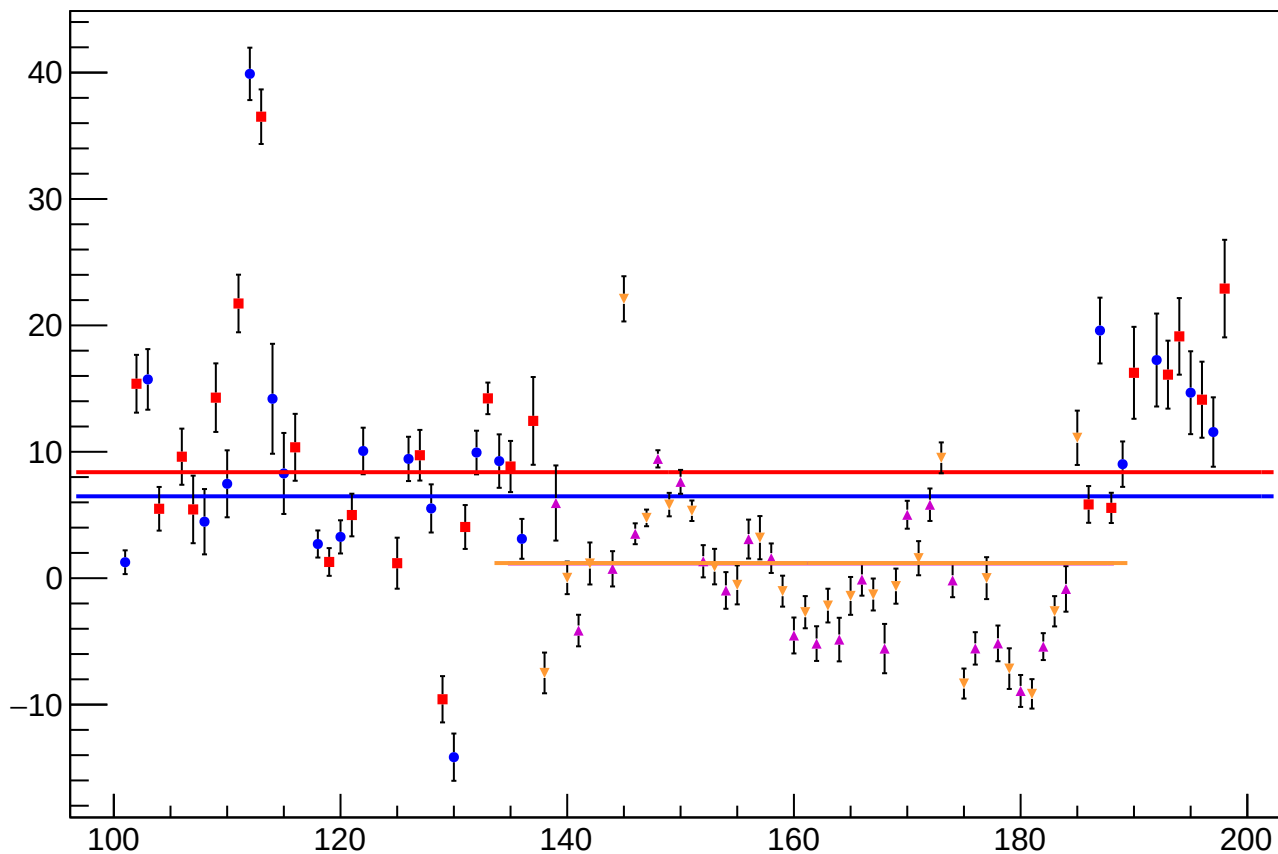
reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -84.401 ± 0.938 χ^2/NDF : 540.7/4
 Left Out: -61.756 ± 0.334 χ^2/NDF : 2509.2/23
 Right Out: -86.461 ± 0.616 χ^2/NDF : 2091.2/6
 Left In: -62.290 ± 0.331 χ^2/NDF : 2265.0/22

Left: -62.025 ± 0.235 χ^2/NDF : 4775.5/46
 Right: -85.840 ± 0.515 χ^2/NDF : 2635.2/11
 In: -64.741 ± 0.312 χ^2/NDF : 3299.9/27
 Out: -67.363 ± 0.294 χ^2/NDF : 5843.6/30
 All: -66.133 ± 0.214 χ^2/NDF : 9180.9/58

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.478 ± 0.397 $\chi^2/\text{NDF}: 512.9/20$

Left Out: 1.197 ± 0.252 $\chi^2/\text{NDF}: 526.1/23$

Right Out: 8.387 ± 0.392 $\chi^2/\text{NDF}: 459.8/23$

Left In: 1.171 ± 0.255 $\chi^2/\text{NDF}: 466.2/22$

Left: 1.184 ± 0.179 $\chi^2/\text{NDF}: 992.3/46$

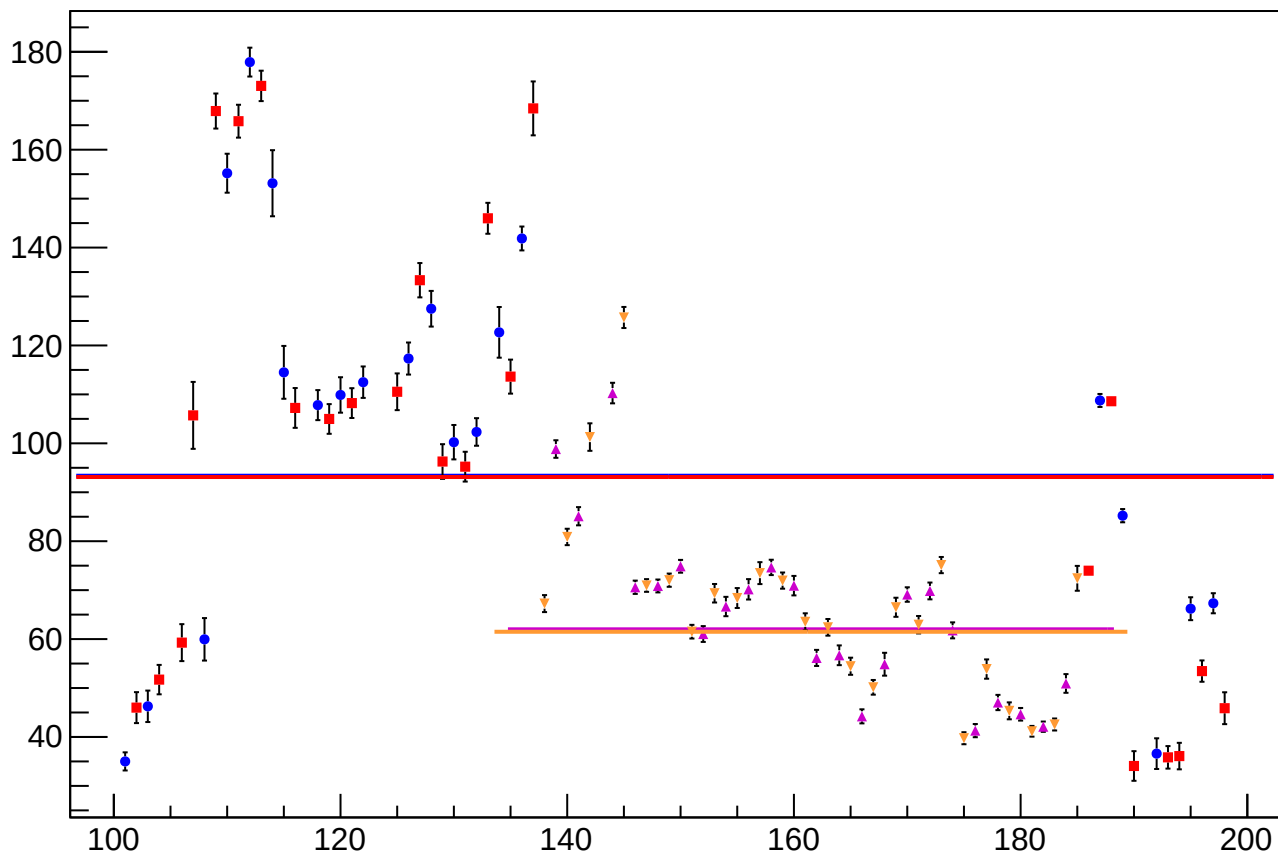
Right: 7.445 ± 0.279 $\chi^2/\text{NDF}: 984.3/44$

In: 2.717 ± 0.214 $\chi^2/\text{NDF}: 1105.5/43$

Out: 3.304 ± 0.212 $\chi^2/\text{NDF}: 1223.5/47$

All: 3.013 ± 0.151 $\chi^2/\text{NDF}: 2332.8/91$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 93.379 $\pm$ 0.562 χ^2 /NDF: 3878.0/20

Left Out: 61.496 $\pm$ 0.332 χ^2 /NDF:2610.2/23

Right Out: 93.118 $\pm$ 0.432 χ^2 /NDF: 5666.0/23

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

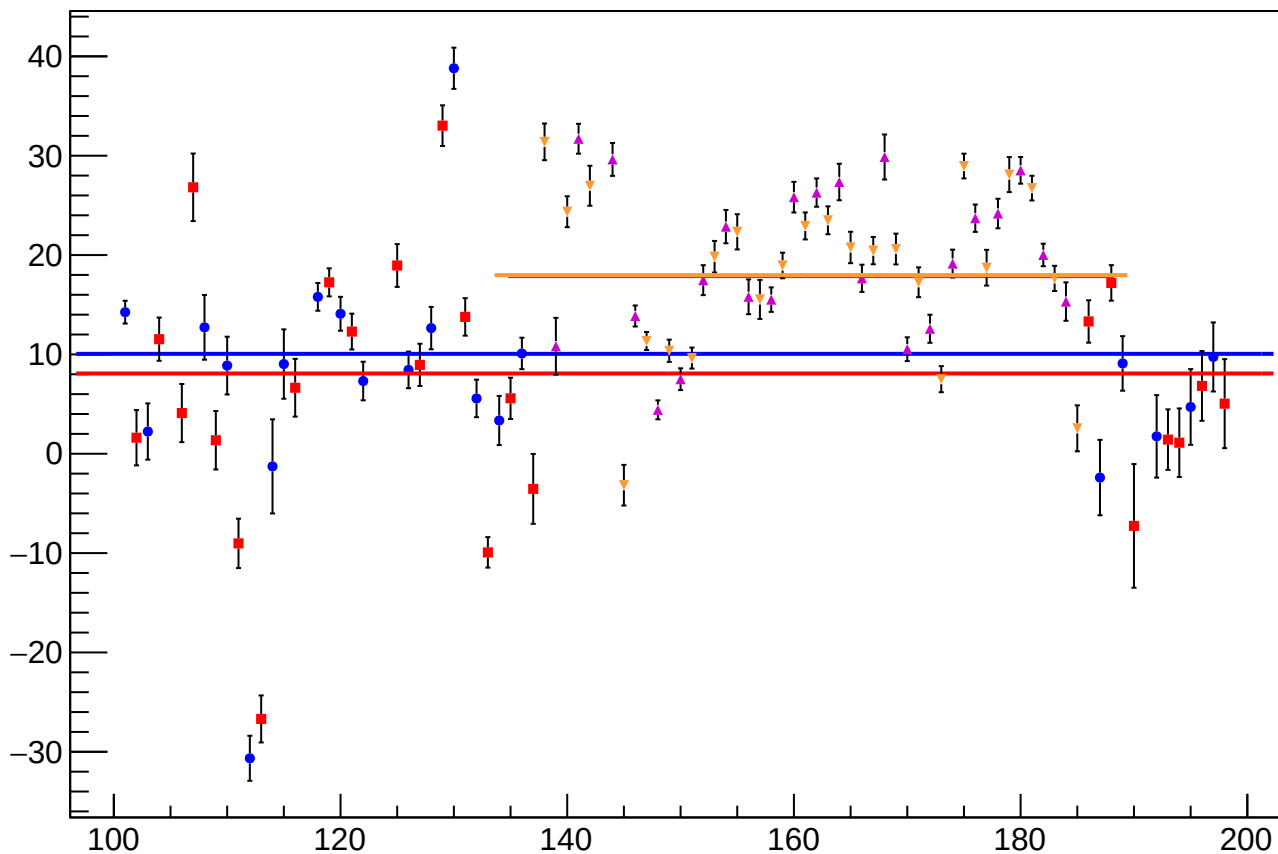
Right: 93.215 $\pm$ 0.343 χ^2 /NDF: 9544.1/44

In: 70.010 $\pm$ 0.284 χ^2 /NDF:8720.3/43

Out: 73.235 $\pm$ 0.263 χ^2 /NDF:11638.2/47

All: 71.742 $\pm$ 0.193 χ^2 /NDF: 20427.9/91

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.055 ± 0.469 $\chi^2/\text{NDF}: 599.2/20$

Left Out: 17.979 ± 0.291 $\chi^2/\text{NDF}: 674.8/23$

Right Out: 8.079 ± 0.471 $\chi^2/\text{NDF}: 737.2/23$

Left In: 17.881 ± 0.292 $\chi^2/\text{NDF}: 730.9/22$

Left: 17.930 ± 0.206 $\chi^2/\text{NDF}: 1405.8/46$

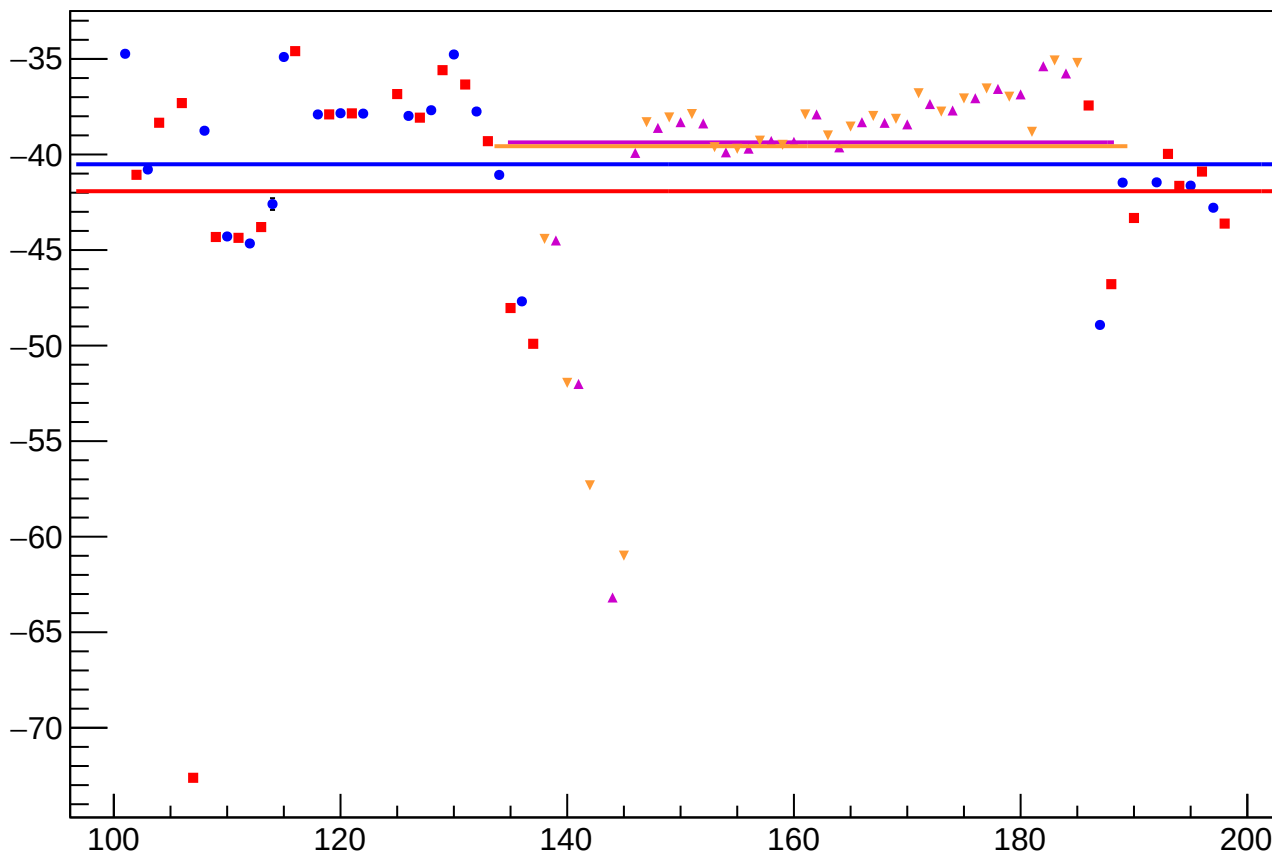
Right: 9.072 ± 0.333 $\chi^2/\text{NDF}: 1345.2/44$

In: 15.700 ± 0.248 $\chi^2/\text{NDF}: 1530.8/43$

Out: 15.250 ± 0.247 $\chi^2/\text{NDF}: 1731.5/47$

All: 15.475 ± 0.175 $\chi^2/\text{NDF}: 3263.9/91$

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.512 ± 0.025 $\chi^2/\text{NDF}: 27457.7/20$

Left Out: -39.567 ± 0.014 $\chi^2/\text{NDF}: 141152.0/23$

Right Out: -41.922 ± 0.024 $\chi^2/\text{NDF}: 64597.4/23$

Left In: -39.368 ± 0.014 $\chi^2/\text{NDF}: 117958.1/22$

Left: -39.466 ± 0.010 $\chi^2/\text{NDF}: 259216.7/46$

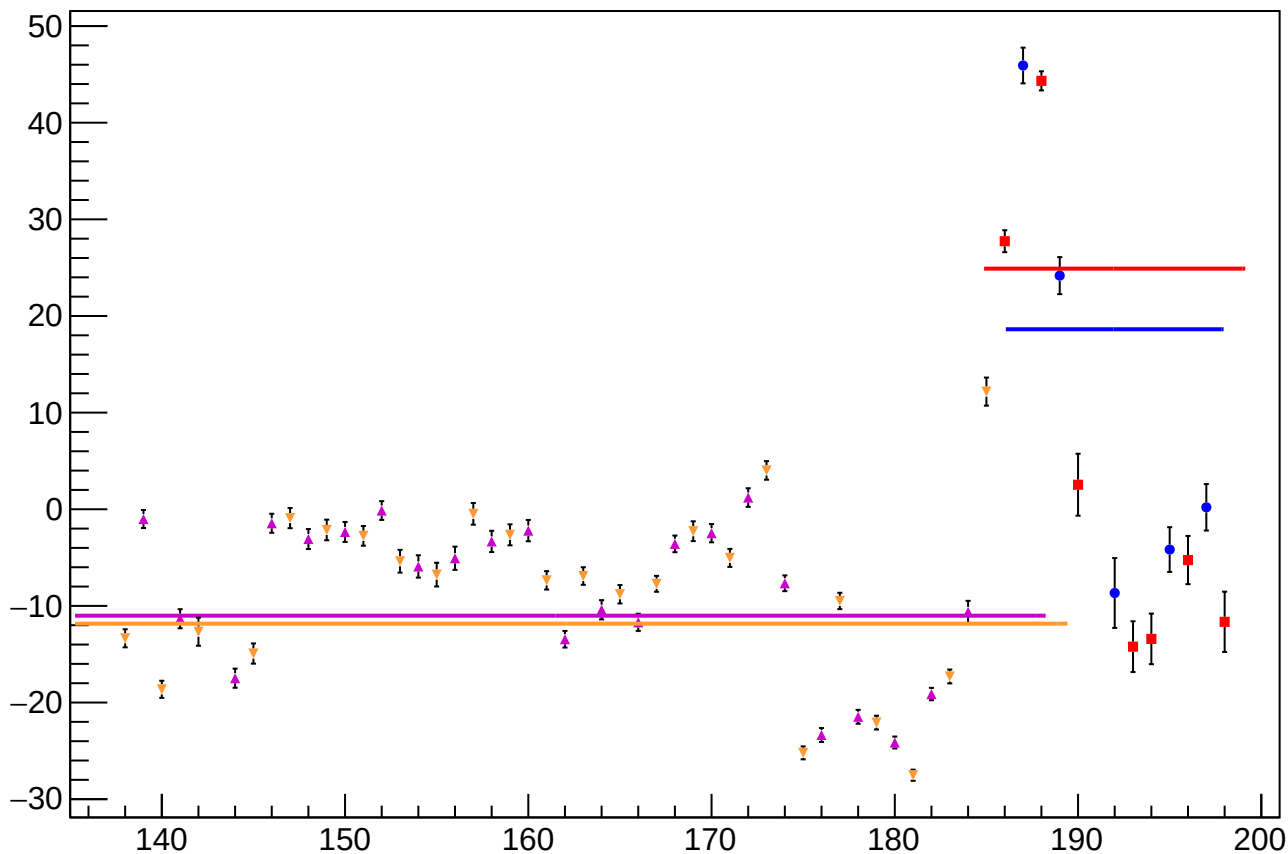
Right: -41.257 ± 0.017 $\chi^2/\text{NDF}: 93684.1/44$

In: -39.621 ± 0.012 $\chi^2/\text{NDF}: 146995.5/43$

Out: -40.148 ± 0.012 $\chi^2/\text{NDF}: 213006.4/47$

All: -39.885 ± 0.008 $\chi^2/\text{NDF}: 360976.5/91$

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



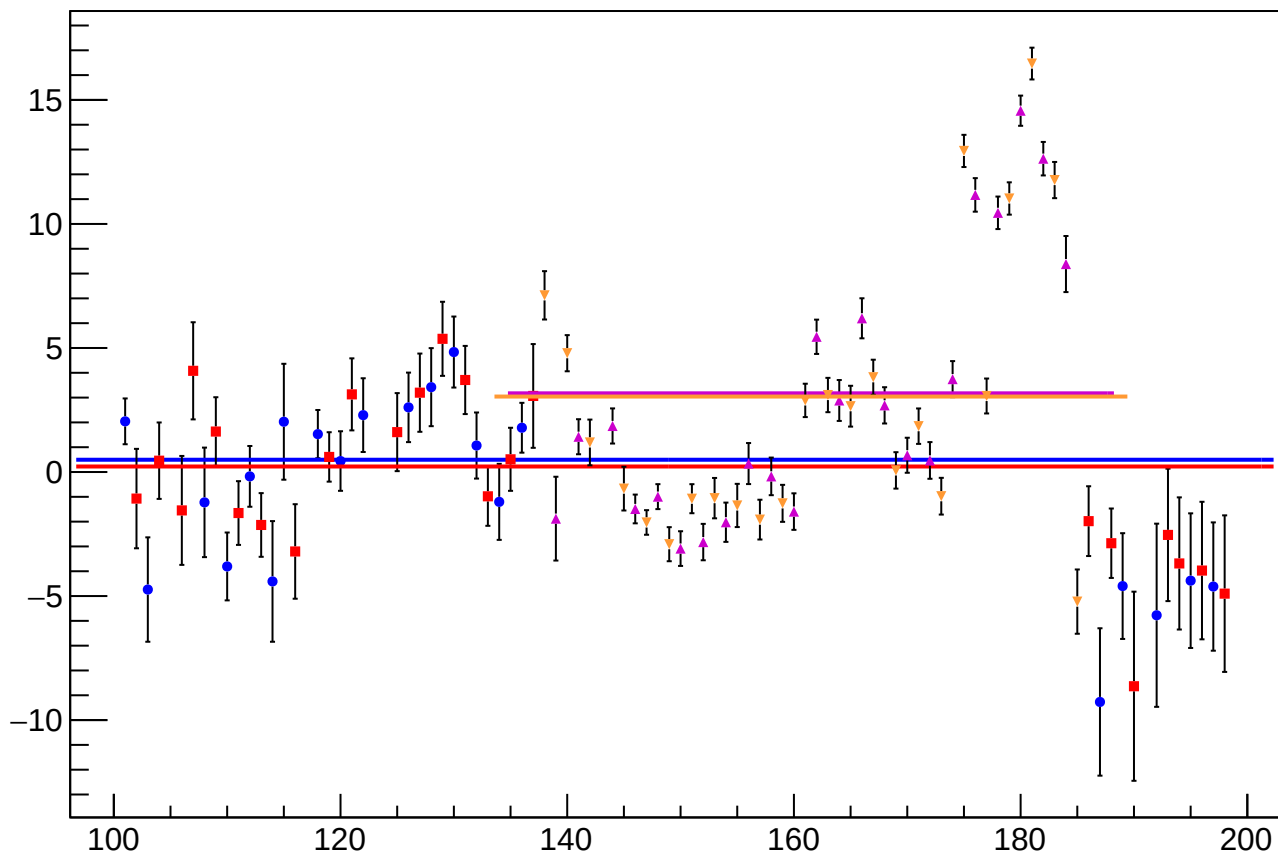
Right In: 18.626 $\pm$ 0.999 χ^2/NDF : 439.9/4
 Left Out: -11.837 $\pm$ 0.187 χ^2/NDF : 2742.4/23
 Right Out: 24.899 $\pm$ 0.639 χ^2/NDF : 1159.1/6
 Left In: -11.014 $\pm$ 0.187 χ^2/NDF : 2116.6/22

Left: -11.426 $\pm$ 0.132 χ^2/NDF : 4868.7/46
 Right: 23.078 $\pm$ 0.538 χ^2/NDF : 1626.9/11

In: -10.009 $\pm$ 0.184 χ^2/NDF : 3406.8/27
 Out: -8.946 $\pm$ 0.179 χ^2/NDF : 6945.4/30

All: -9.464 $\pm$ 0.128 χ^2/NDF : 10369.3/58

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.495 ± 0.326 χ^2/NDF : 71.4/20

Left Out: 3.042 ± 0.148 χ^2/NDF : 1452.6/23

Right Out: 0.223 ± 0.323 χ^2/NDF : 65.4/23

Left In: 3.172 ± 0.150 χ^2/NDF : 1297.9/22

Left: 3.106 ± 0.105 χ^2/NDF : 2750.9/46

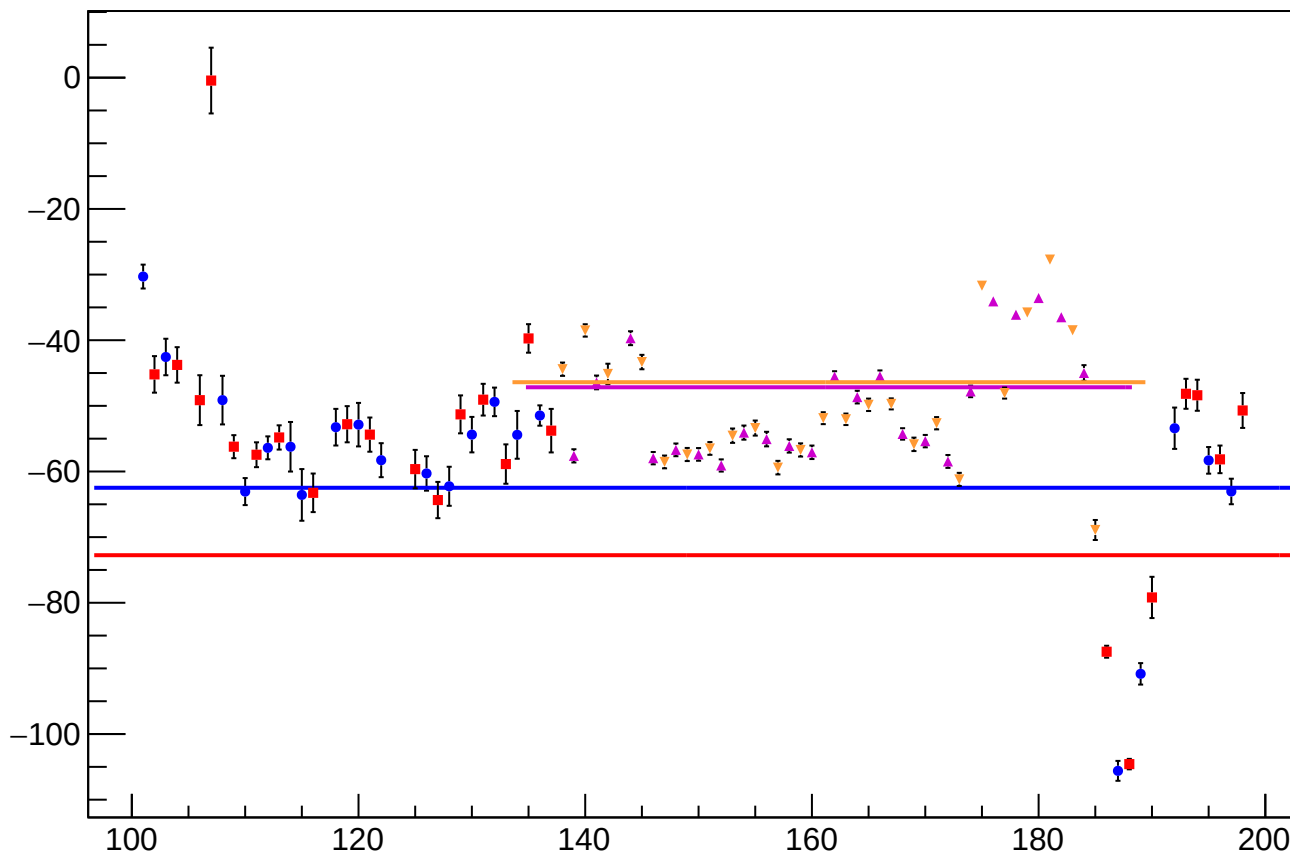
Right: 0.358 ± 0.229 χ^2/NDF : 137.1/44

In: 2.705 ± 0.136 χ^2/NDF : 1425.2/43

Out: 2.555 ± 0.134 χ^2/NDF : 1580.9/47

All: 2.629 ± 0.096 χ^2/NDF : 3006.6/91

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.481 ± 0.495 χ^2/NDF : 1638.1/20

Left Out: -46.398 ± 0.187 χ^2/NDF : 3289.4/23

Right Out: -72.754 ± 0.401 χ^2/NDF : 3481.8/23

Left In: -47.170 ± 0.186 χ^2/NDF : 2526.3/22

Left: -46.784 ± 0.132 χ^2/NDF : 5824.3/46

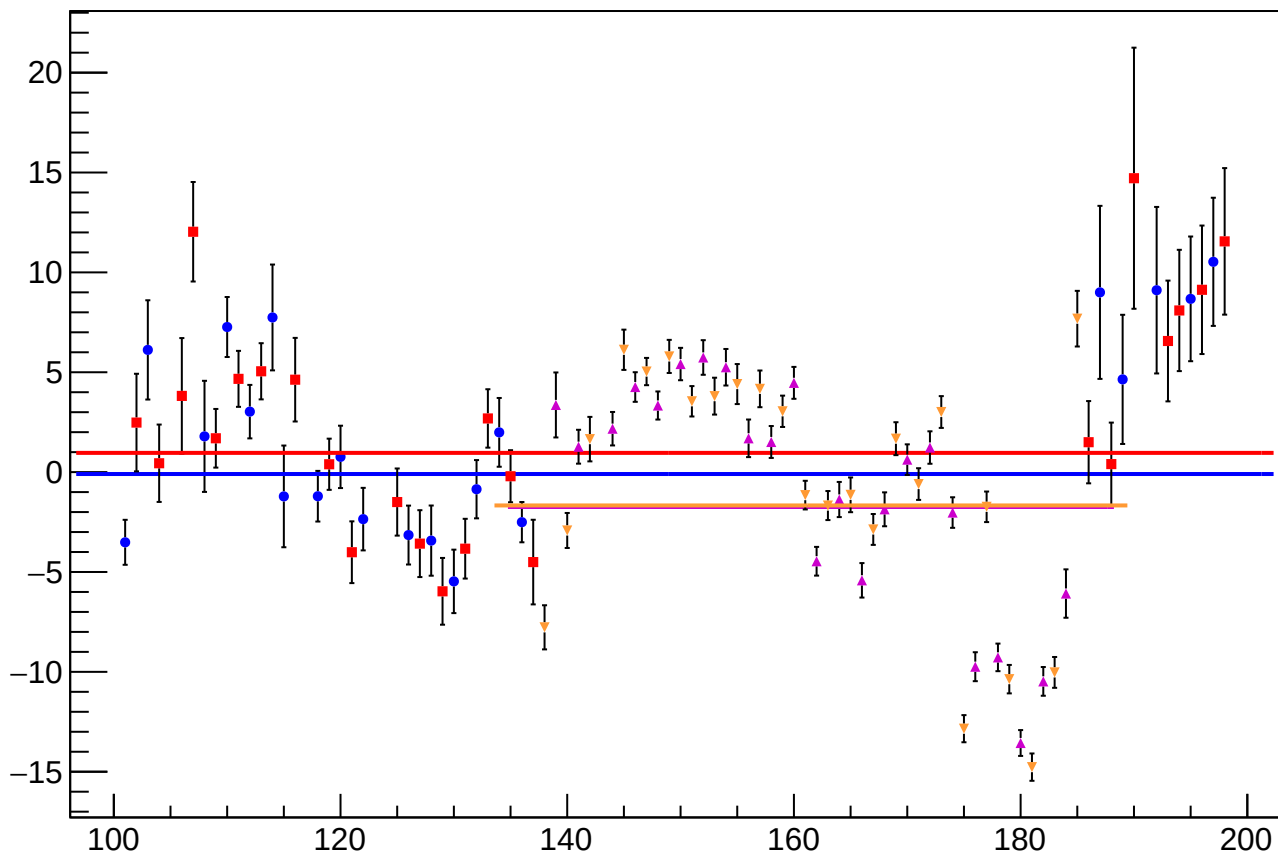
Right: -68.685 ± 0.311 χ^2/NDF : 5380.5/44

In: -49.076 ± 0.174 χ^2/NDF : 5003.5/43

Out: -51.096 ± 0.169 χ^2/NDF : 10329.6/47

All: -50.117 ± 0.121 χ^2/NDF : 15402.3/91

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.095 ± 0.373 χ^2/NDF : 114.6/20

Left Out: -1.668 ± 0.167 χ^2/NDF : 1479.3/23

Right Out: 0.963 ± 0.375 χ^2/NDF : 124.6/23

Left In: -1.746 ± 0.168 χ^2/NDF : 1254.1/22

Left: -1.707 ± 0.119 χ^2/NDF : 2733.5/46

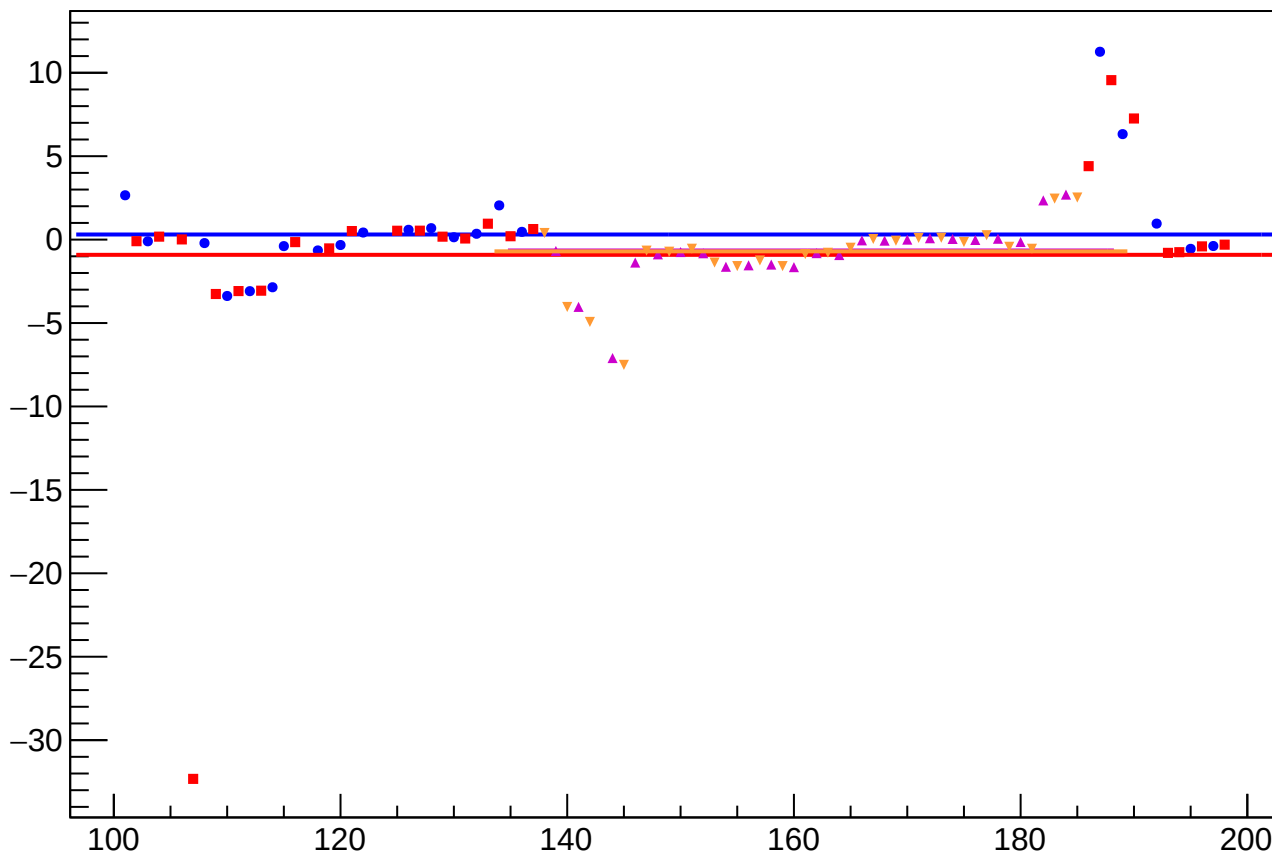
Right: 0.431 ± 0.264 χ^2/NDF : 243.2/44

In: -1.466 ± 0.154 χ^2/NDF : 1385.0/43

Out: -1.232 ± 0.153 χ^2/NDF : 1645.1/47

All: -1.349 ± 0.108 χ^2/NDF : 3031.2/91

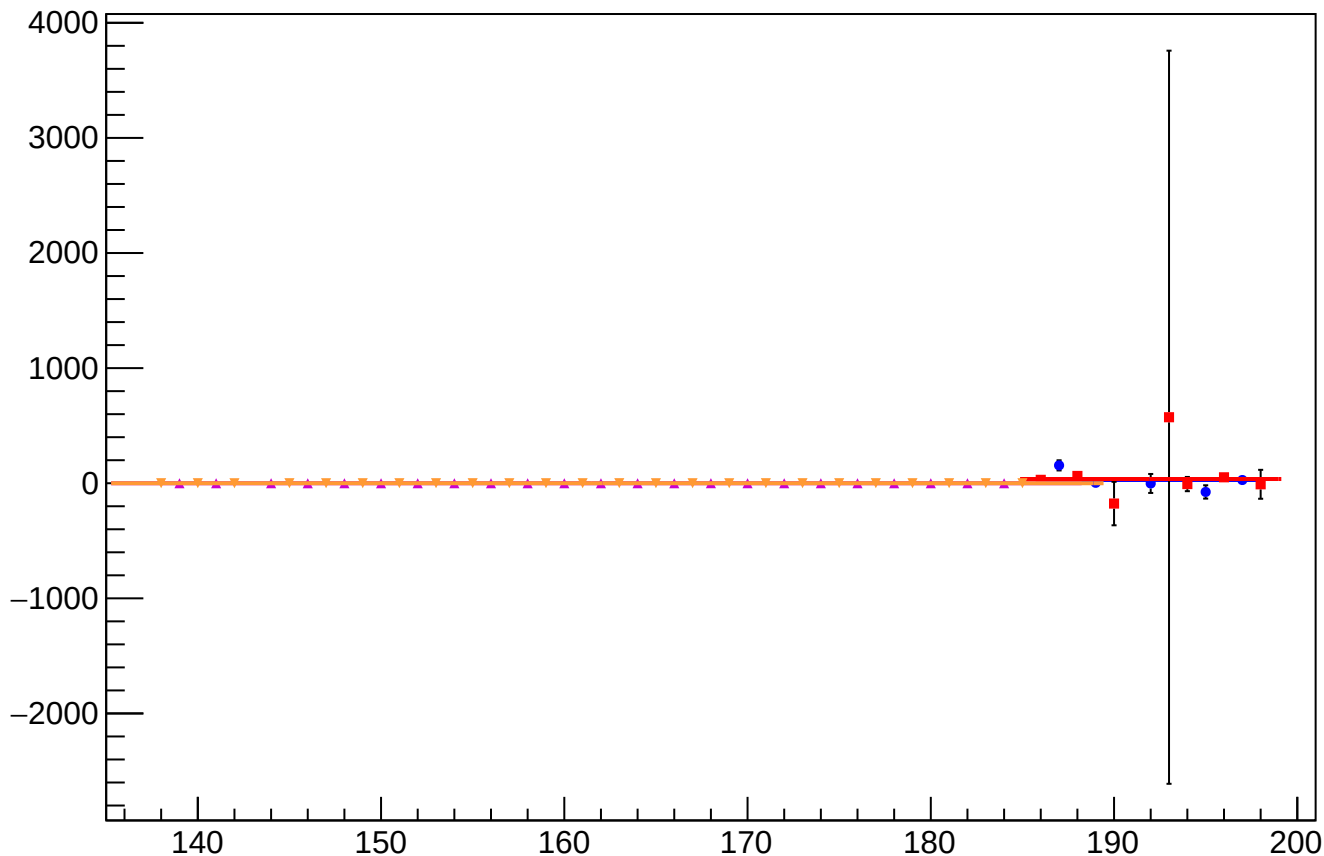
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.307 ± 0.020 $\chi^2/\text{NDF}: 9431.4/20$
 Left Out: -0.703 ± 0.008 $\chi^2/\text{NDF}: 53770.3/23$
 Right Out: -0.912 ± 0.019 $\chi^2/\text{NDF}: 92134.7/23$
 Left In: -0.651 ± 0.008 $\chi^2/\text{NDF}: 44167.1/22$

Left: -0.677 ± 0.005 $\chi^2/\text{NDF}: 97959.9/46$
 Right: -0.324 ± 0.014 $\chi^2/\text{NDF}: 103483.4/44$
 In: -0.530 ± 0.007 $\chi^2/\text{NDF}: 55597.6/43$
 Out: -0.731 ± 0.007 $\chi^2/\text{NDF}: 146006.5/47$
 All: -0.631 ± 0.005 $\chi^2/\text{NDF}: 202003.0/91$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 28.418+/-19.254 χ^2/NDF : 12.3/4

Left Out: -0.038+/-0.018 χ^2/NDF : 35.6/23

Right Out: 36.727+/-9.979 χ^2/NDF : 4.0/6

Left In: -0.009+/-0.018 χ^2/NDF : 35.3/22

Left: -0.024+/-0.013 χ^2/NDF : 72.1/46

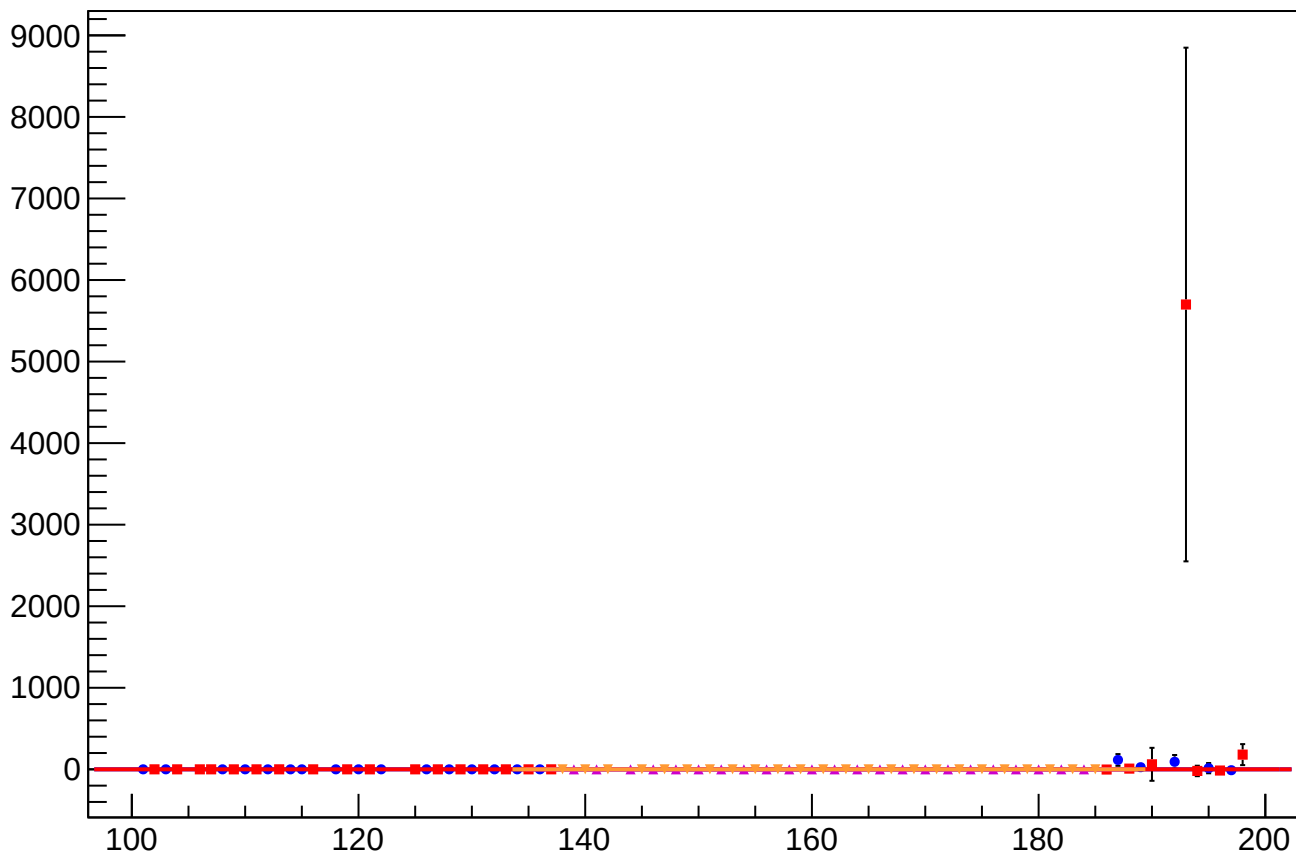
Right: 34.967+/-8.860 χ^2/NDF : 16.5/11

In: -0.009+/-0.018 χ^2/NDF : 49.8/27

Out: -0.038+/-0.018 χ^2/NDF : 53.2/30

All: -0.024+/-0.013 χ^2/NDF : 104.3/58

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 16.7/20

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.092 ± 0.025 χ^2/NDF : 14.8/23

Left In: -0.065 ± 0.014 χ^2/NDF : 40.4/22

Left: -0.069 ± 0.010 χ^2/NDF : 68.3/46

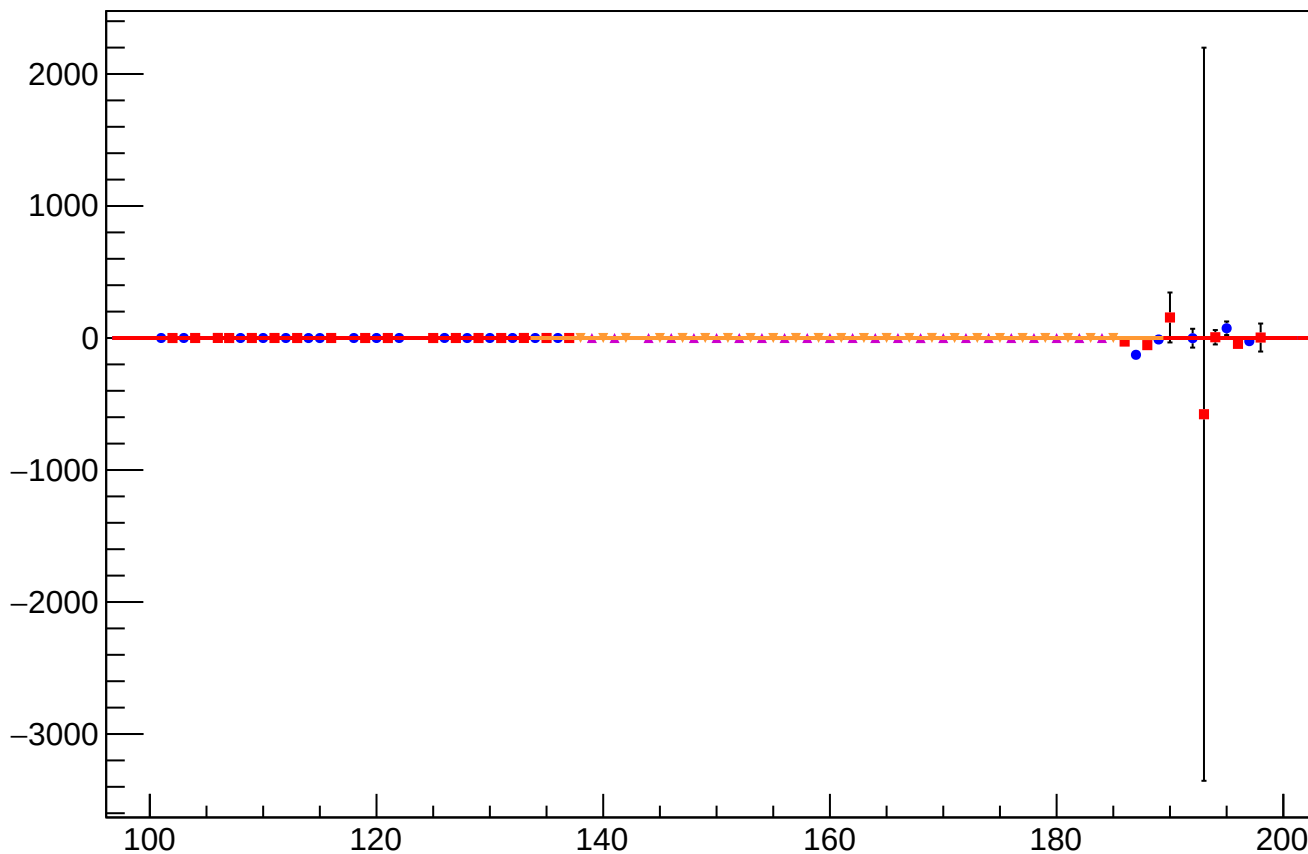
Right: -0.050 ± 0.017 χ^2/NDF : 37.0/44

In: -0.051 ± 0.012 χ^2/NDF : 60.8/43

Out: -0.078 ± 0.012 χ^2/NDF : 43.1/47

All: -0.064 ± 0.009 χ^2/NDF : 106.3/91

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.043 χ^2/NDF : 24.8/20

Left Out: 0.036+/-0.018 χ^2/NDF :32.4/23

Right Out: 0.028+/-0.045 χ^2/NDF : 28.3/23

Left In: -0.010+/-0.018 χ^2/NDF :37.1/22

Left: 0.013+/-0.013 χ^2/NDF : 72.8/46

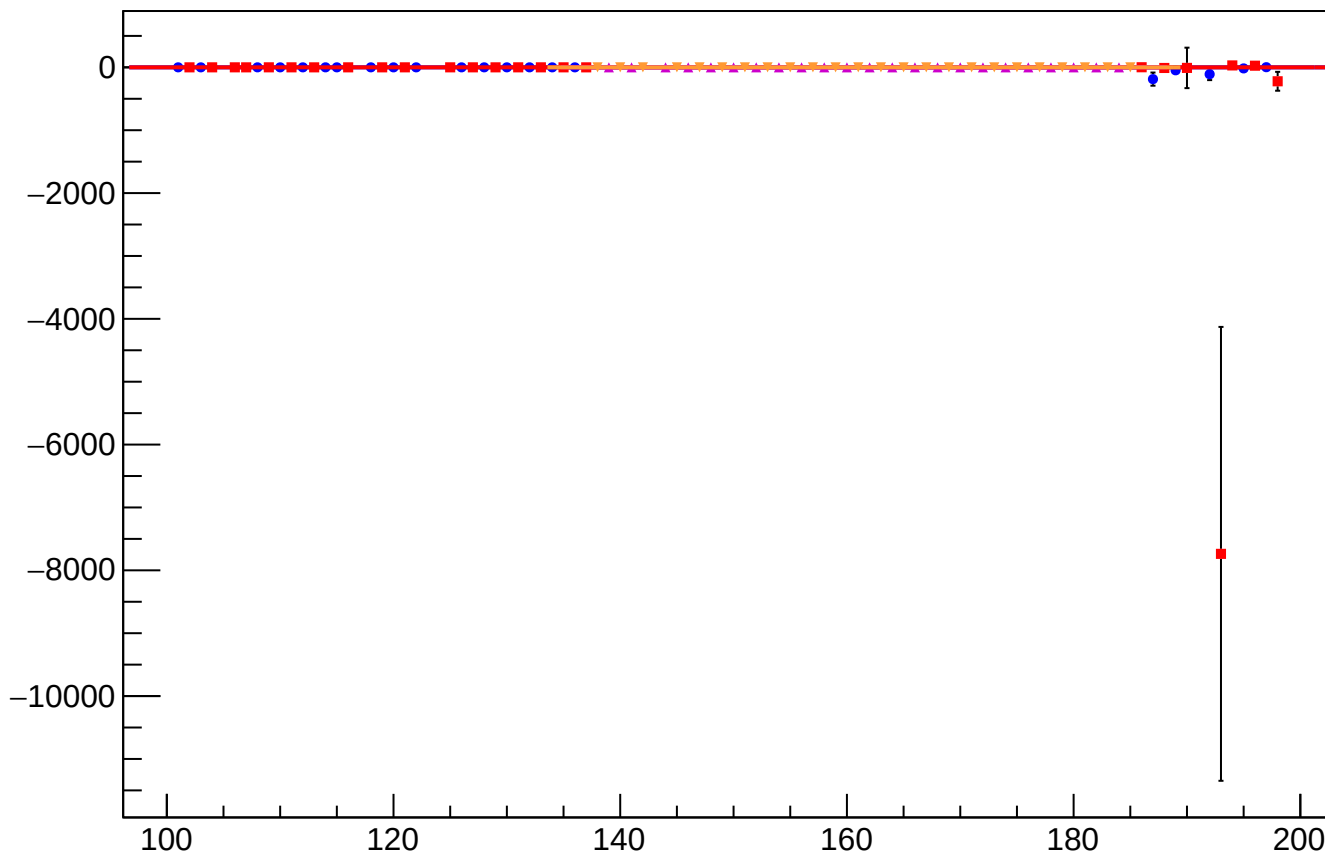
Right: 0.023+/-0.031 χ^2/NDF : 53.1/44

In: -0.006+/-0.017 χ^2/NDF :62.2/43

Out: 0.035+/-0.017 χ^2/NDF :60.7/47

All: 0.014+/-0.012 χ^2/NDF : 126.0/91

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 17.5/20

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF: 27.8/23

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 15.1/23

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

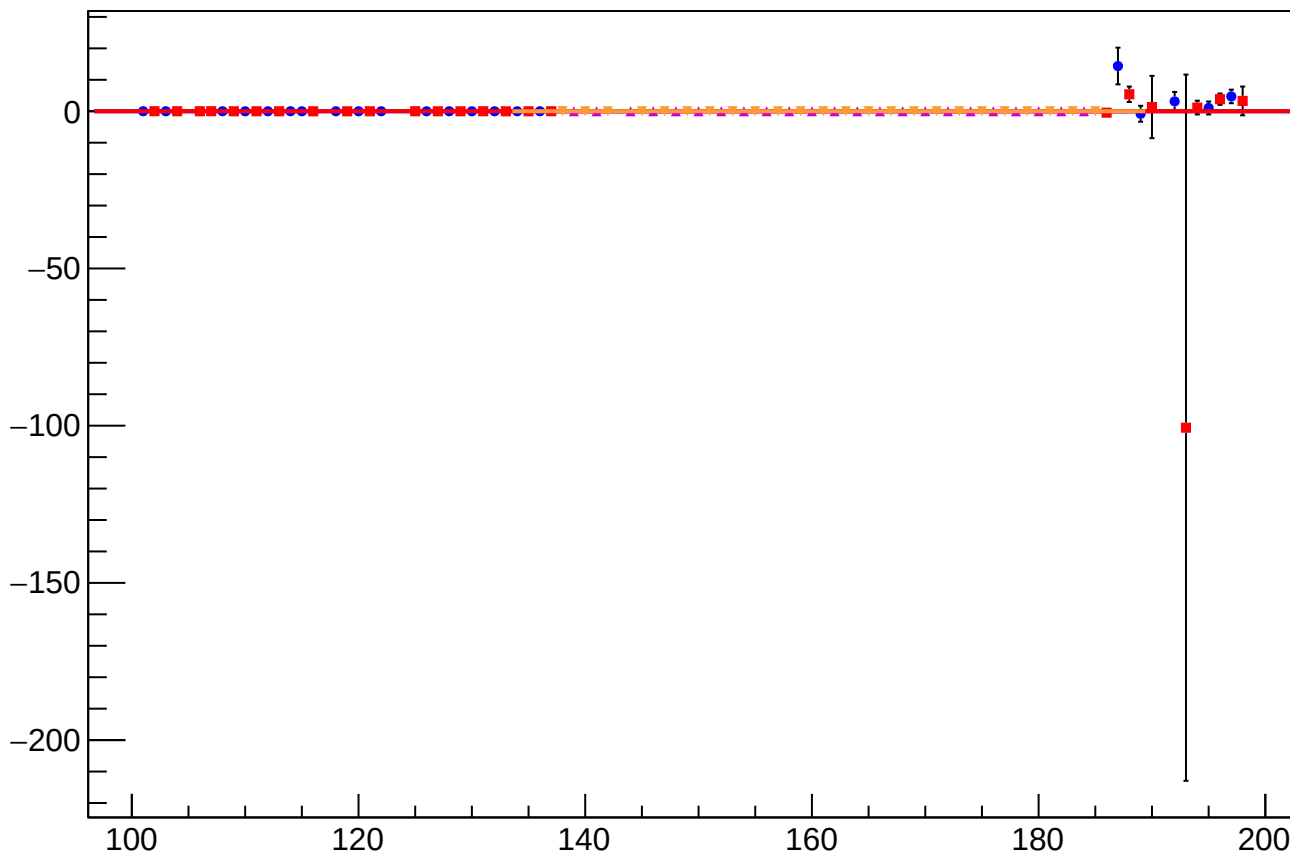
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 39.5/44

In: 0.054 $\pm$ 0.014 χ^2 /NDF: 65.7/43

Out: 0.092 $\pm$ 0.014 χ^2 /NDF: 43.4/47

All: 0.073 $\pm$ 0.010 χ^2 /NDF: 112.7/91

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 34.9/20

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.9/23

Right Out: -0.004 ± 0.001 χ^2/NDF : 34.8/23

Left In: 0.000 ± 0.001 χ^2/NDF : 22.4/22

Left: 0.000 ± 0.001 χ^2/NDF : 46.3/46

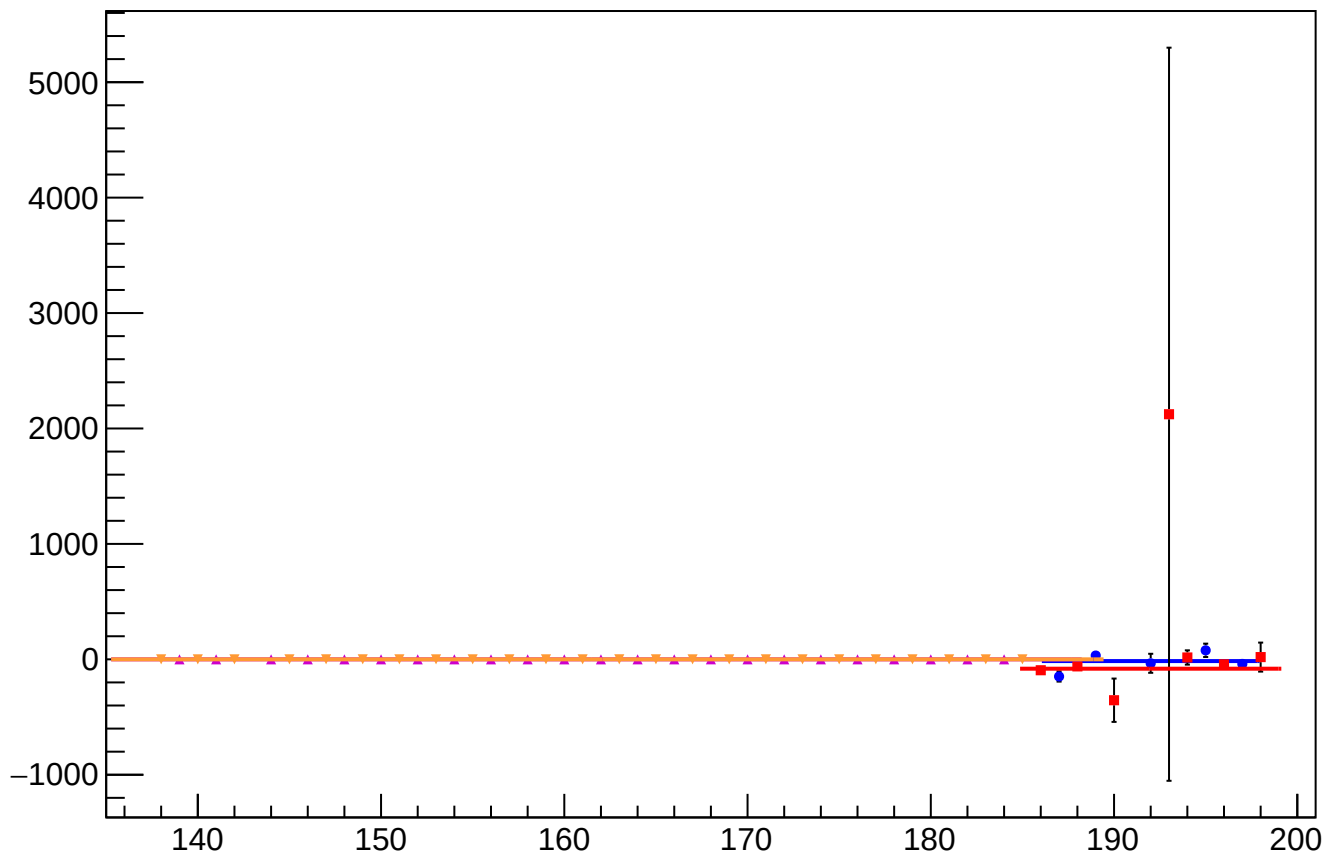
Right: -0.005 ± 0.001 χ^2/NDF : 70.0/44

In: -0.001 ± 0.001 χ^2/NDF : 69.4/43

Out: -0.001 ± 0.001 χ^2/NDF : 66.6/47

All: -0.001 ± 0.000 χ^2/NDF : 136.2/91

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.063 ± 19.240 χ^2/NDF : 14.8/4

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -81.127 ± 9.982 χ^2/NDF : 8.7/6

Left In: -0.010 ± 0.018 χ^2/NDF : 33.3/22

Left: -0.031 ± 0.013 χ^2/NDF : 73.3/46

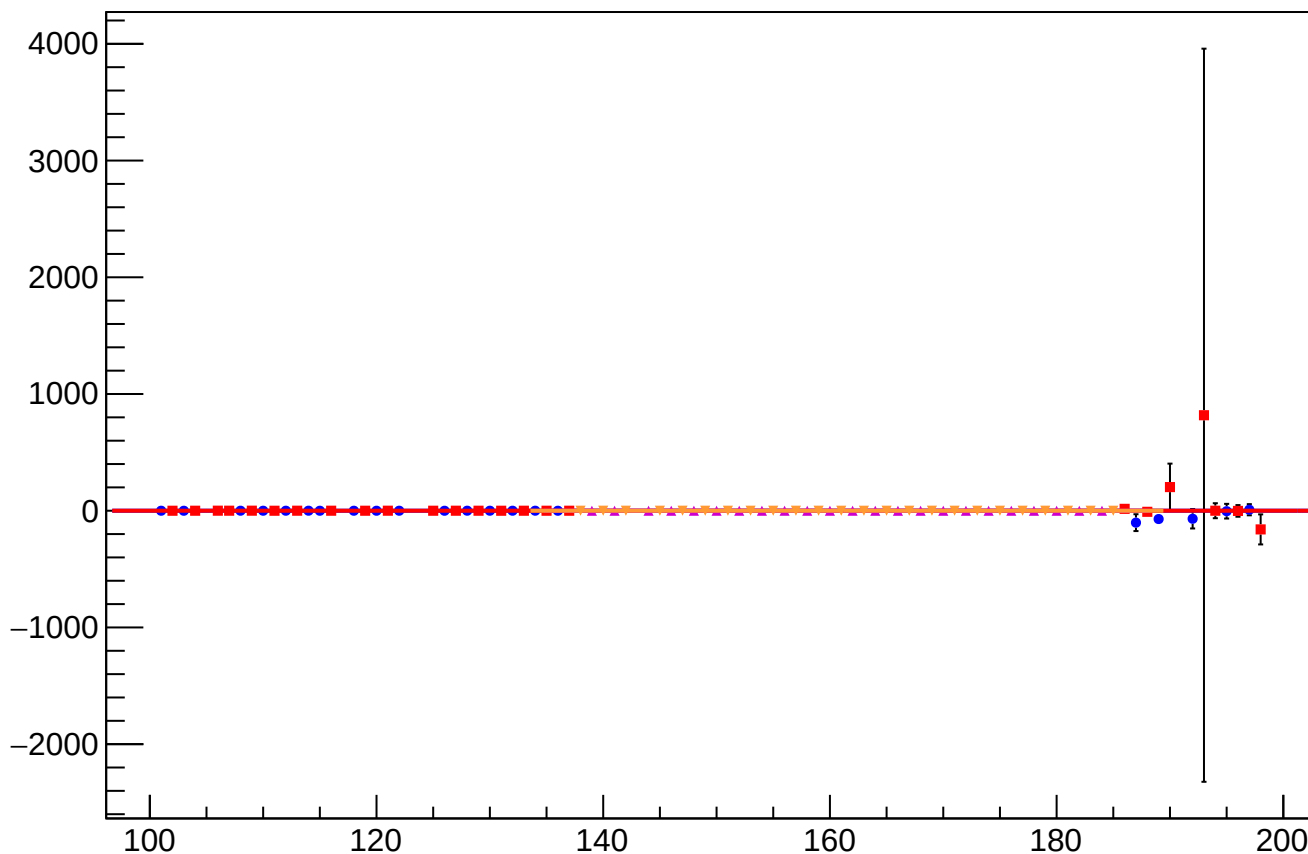
Right: -67.116 ± 8.860 χ^2/NDF : 32.8/11

In: -0.010 ± 0.018 χ^2/NDF : 48.7/27

Out: -0.052 ± 0.018 χ^2/NDF : 111.9/30

All: -0.031 ± 0.013 χ^2/NDF : 163.4/58

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2 /NDF: 32.8/20

Left Out: -0.010 $\pm$ 0.014 χ^2 /NDF:29.5/23

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 31.0/23

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

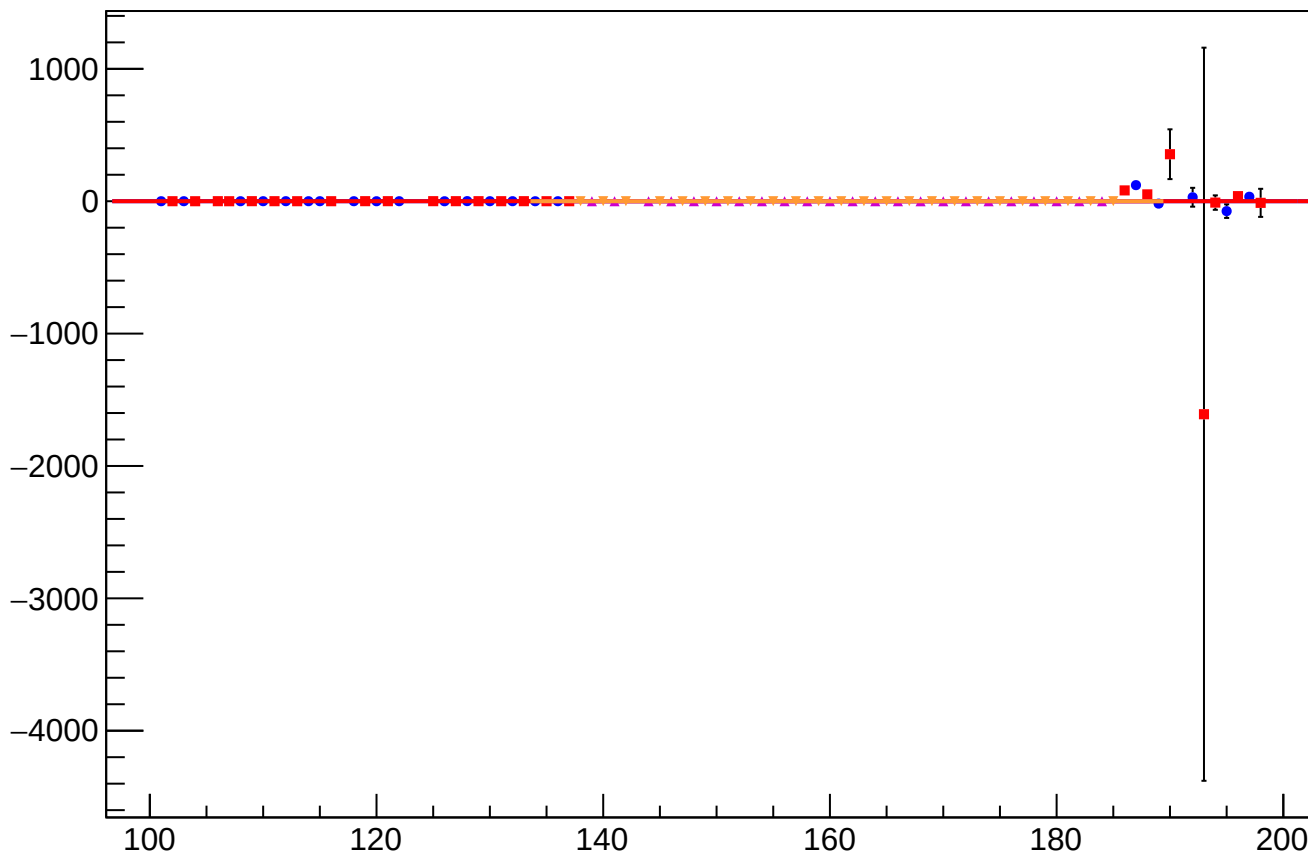
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 64.5/44

In: 0.006 $\pm$ 0.012 χ^2 /NDF:83.1/43

Out: 0.002 $\pm$ 0.012 χ^2 /NDF:63.6/47

All: 0.004 $\pm$ 0.009 χ^2 /NDF: 146.7/91

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.043 χ^2 /NDF: 43.8/20

Left Out: 0.048 $\pm$ 0.018 χ^2 /NDF:35.4/23

Right Out: 0.204 $\pm$ 0.045 χ^2 /NDF: 96.5/23

Left In: 0.021 $\pm$ 0.018 χ^2 /NDF:34.0/22

Left: 0.034 $\pm$ 0.013 χ^2 /NDF: 70.5/46

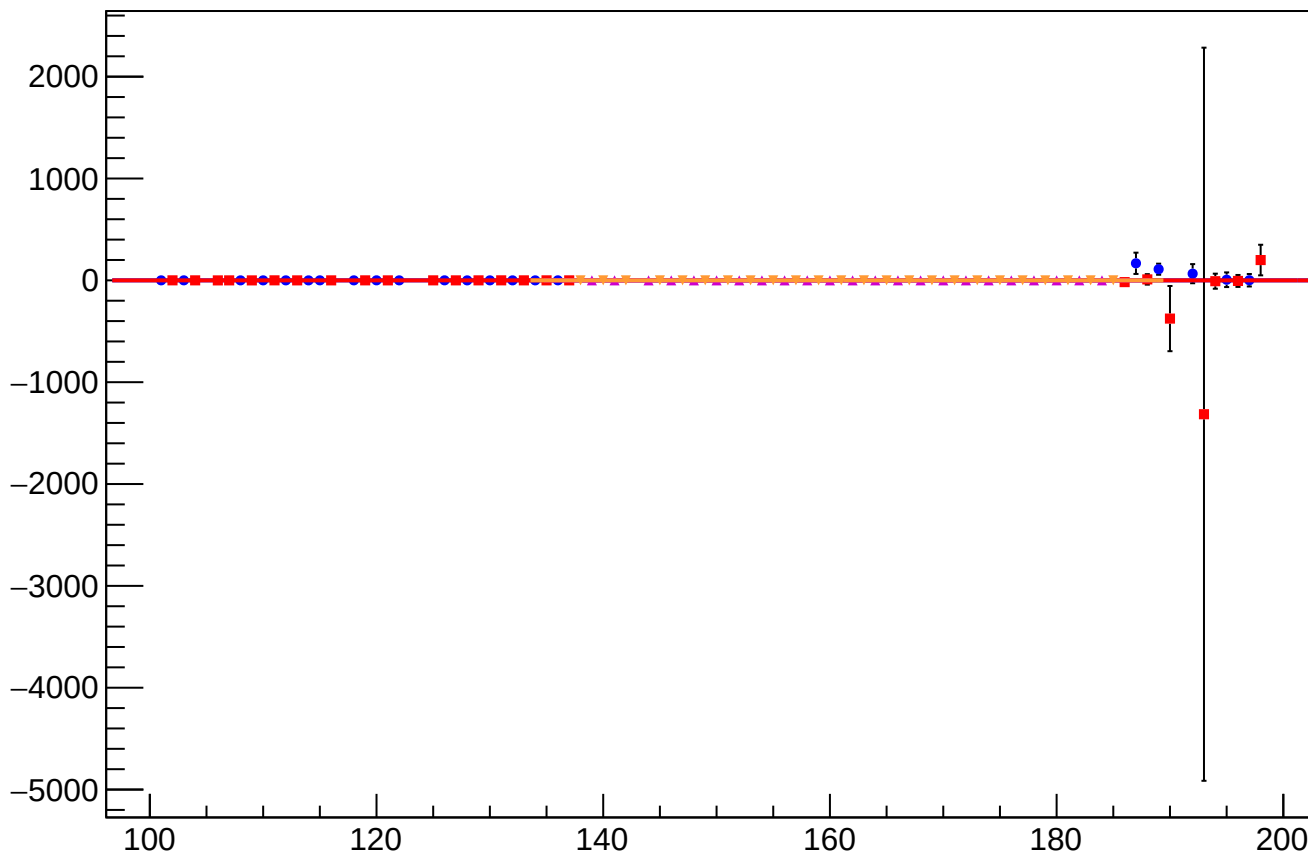
Right: 0.177 $\pm$ 0.031 χ^2 /NDF: 141.0/44

In: 0.041 $\pm$ 0.017 χ^2 /NDF:85.8/43

Out: 0.069 $\pm$ 0.017 χ^2 /NDF:142.2/47

All: 0.055 $\pm$ 0.012 χ^2 /NDF: 229.5/91

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 χ^2/NDF : 32.3/20

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.2/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 29.0/23

Left In: 0.007 ± 0.016 χ^2/NDF : 50.7/22

Left: 0.014 ± 0.011 χ^2/NDF : 84.2/46

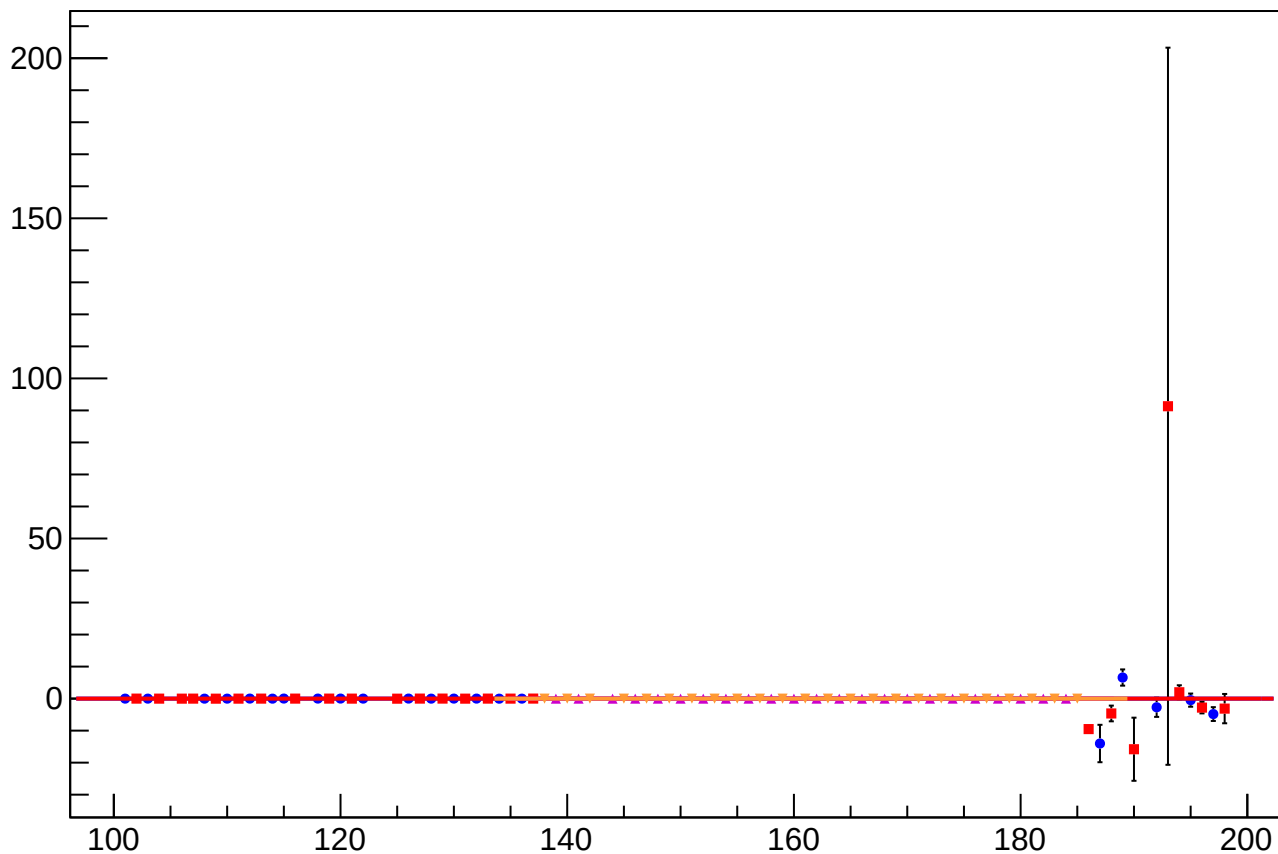
Right: -0.030 ± 0.020 χ^2/NDF : 62.1/44

In: 0.002 ± 0.014 χ^2/NDF : 83.4/43

Out: 0.004 ± 0.014 χ^2/NDF : 66.8/47

All: 0.003 ± 0.010 χ^2/NDF : 150.2/91

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2/NDF : 47.4/20

Left Out: -0.008+/-0.001 χ^2/NDF :31.9/23

Right Out: -0.006+/-0.001 χ^2/NDF : 68.3/23

Left In: -0.009+/-0.001 χ^2/NDF :39.2/22

Left: -0.008+/-0.001 χ^2/NDF : 71.4/46

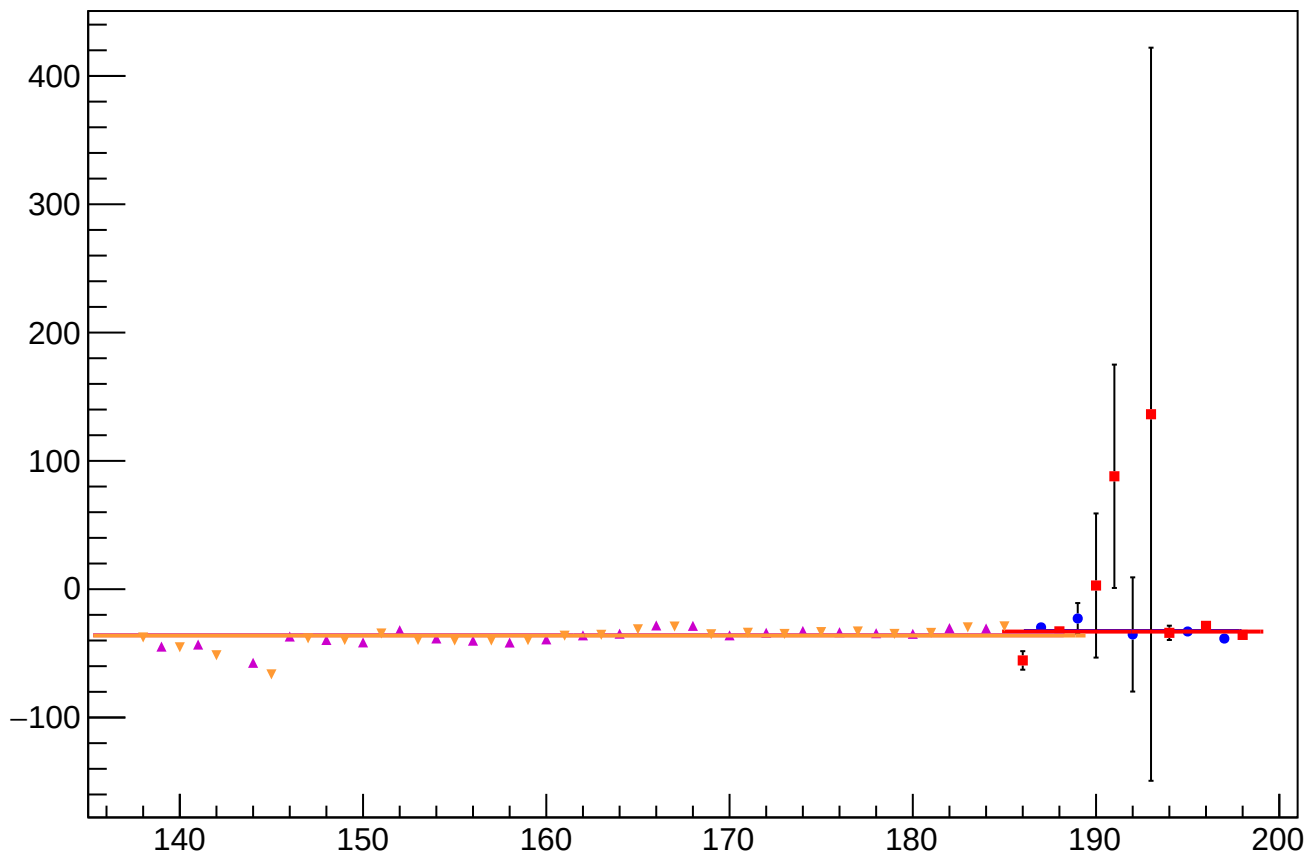
Right: -0.006+/-0.001 χ^2/NDF : 115.7/44

In: -0.008+/-0.001 χ^2/NDF :89.4/43

Out: -0.008+/-0.001 χ^2/NDF :101.9/47

All: -0.008+/-0.000 χ^2/NDF : 191.5/91

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.600 ± 1.328 χ^2/NDF : 7.9/4

Left Out: -36.110 ± 0.192 χ^2/NDF : 1118.4/23

Right Out: -33.039 ± 1.009 χ^2/NDF : 15.5/7

Left In: -35.869 ± 0.191 χ^2/NDF : 887.1/22

Left: -35.989 ± 0.135 χ^2/NDF : 2006.3/46

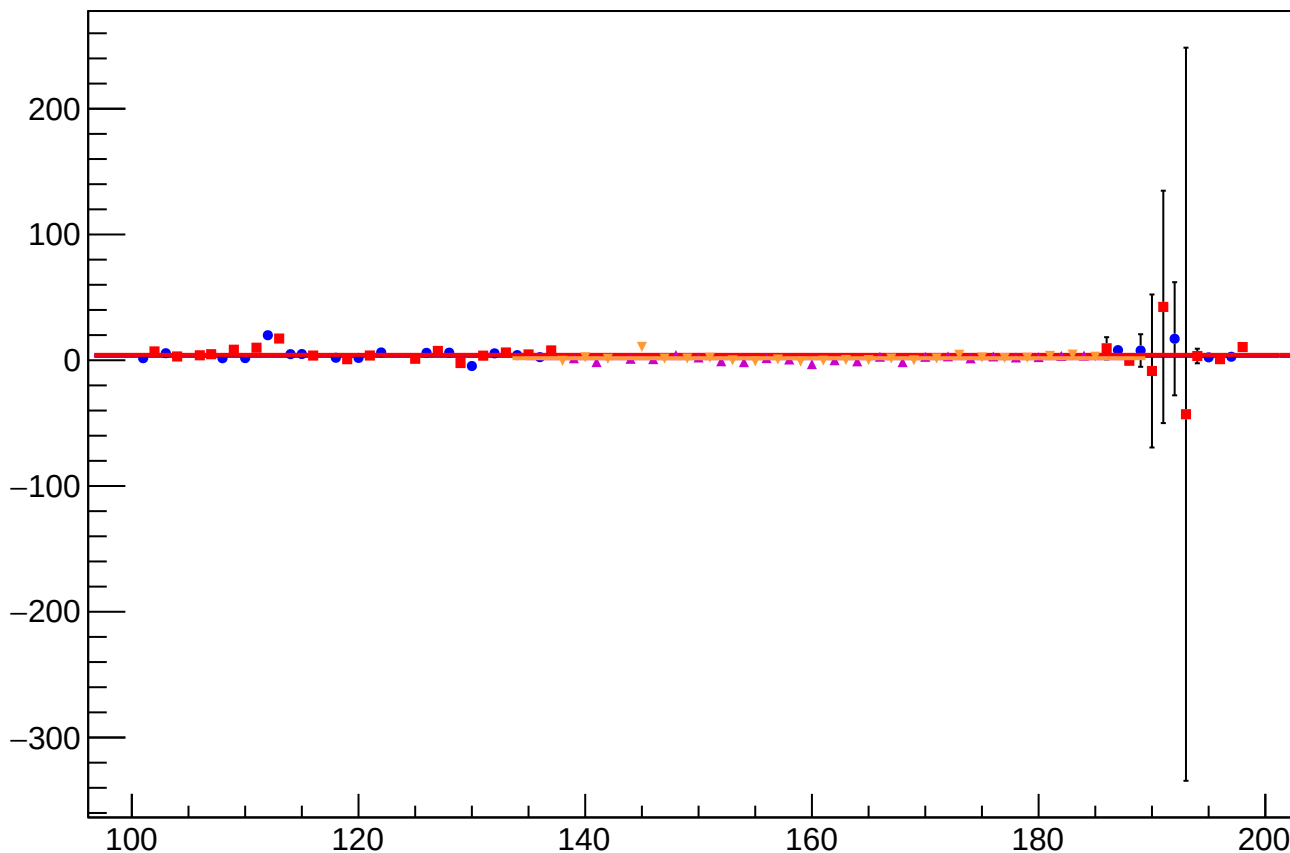
Right: -32.878 ± 0.803 χ^2/NDF : 23.4/12

In: -35.803 ± 0.189 χ^2/NDF : 900.9/27

Out: -36.003 ± 0.189 χ^2/NDF : 1142.8/31

All: -35.903 ± 0.133 χ^2/NDF : 2044.3/59

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.544 $\pm$ 0.216 χ^2 /NDF: 449.2/20

Left Out: 1.632 $\pm$ 0.148 χ^2 /NDF:166.7/23

Right Out: 4.304 $\pm$ 0.223 χ^2 /NDF: 362.4/24

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

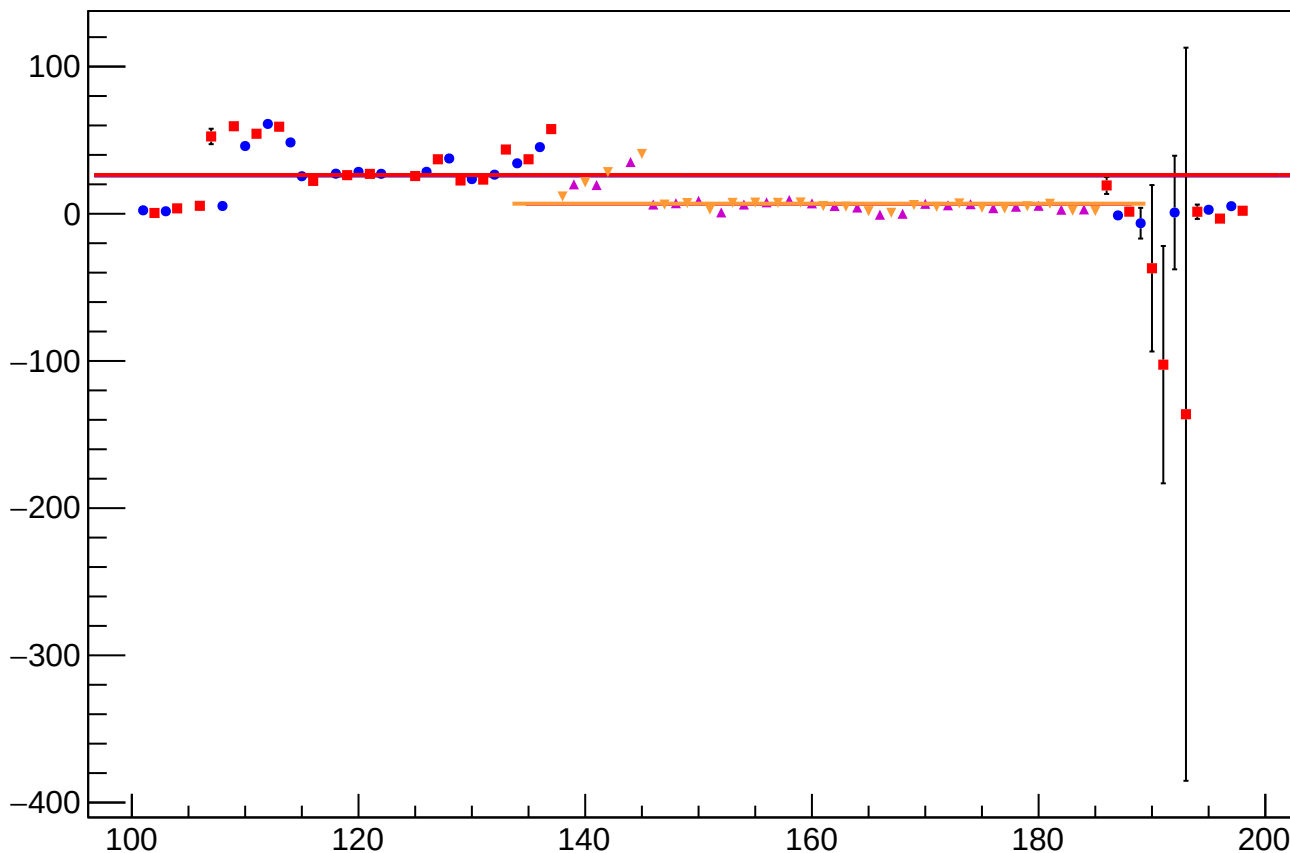
Right: 3.912 $\pm$ 0.155 χ^2 /NDF: 817.6/45

In: 2.260 $\pm$ 0.123 χ^2 /NDF:665.8/43

Out: 2.449 $\pm$ 0.123 χ^2 /NDF:629.0/48

All: 2.354 $\pm$ 0.087 χ^2 /NDF: 1296.0/92

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 26.004 $\pm$ 0.390 χ^2 /NDF: 2075.6/20

Left Out: 6.855 $\pm$ 0.191 χ^2 /NDF:1298.7/23

Right Out: 26.336 $\pm$ 0.377 χ^2 /NDF: 2806.6/24

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

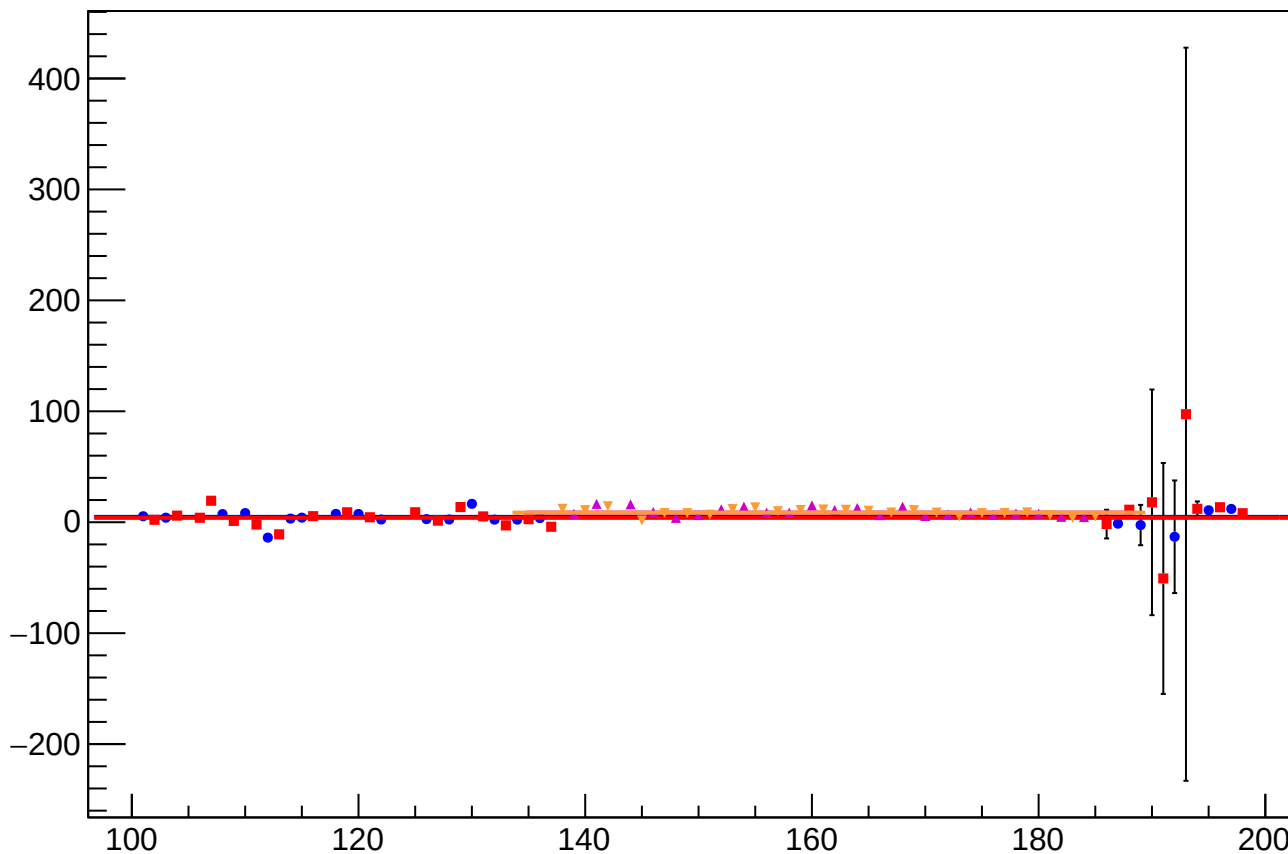
Right: 26.175 $\pm$ 0.271 χ^2 /NDF: 4882.6/45

In: 10.349 $\pm$ 0.171 χ^2 /NDF:5147.6/43

Out: 10.853 $\pm$ 0.171 χ^2 /NDF:6231.7/48

All: 10.601 $\pm$ 0.121 χ^2 /NDF: 11383.7/92

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.831+/-0.250 χ^2/NDF : 562.9/20

Left Out: 8.697+/-0.169 χ^2/NDF :241.1/23

Right Out: 3.953+/-0.256 χ^2/NDF : 583.1/24

Left In: 8.659+/-0.170 χ^2/NDF :438.0/22

Left: 8.678+/-0.120 χ^2/NDF : 679.2/46

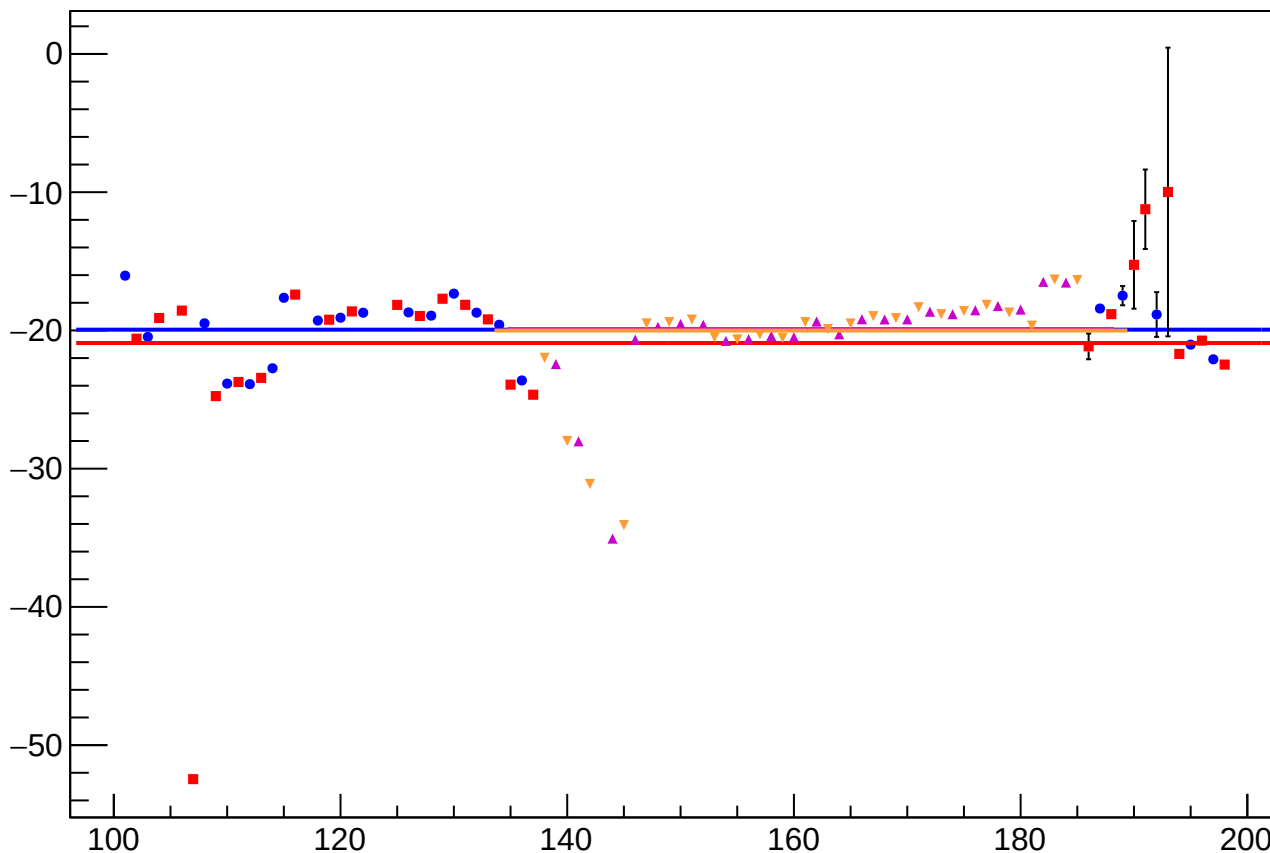
Right: 4.404+/-0.179 χ^2/NDF : 1152.0/45

In: 7.449+/-0.140 χ^2/NDF :1161.8/43

Out: 7.261+/-0.141 χ^2/NDF :1062.8/48

All: 7.356+/-0.099 χ^2/NDF : 2225.5/92

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.946 $\pm$ 0.015 χ^2 /NDF: 26552.3/20

Left Out: -20.007 $\pm$ 0.008 χ^2 /NDF: 171647.2/23

Right Out: -20.910 $\pm$ 0.015 χ^2 /NDF: 93164.5/24

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

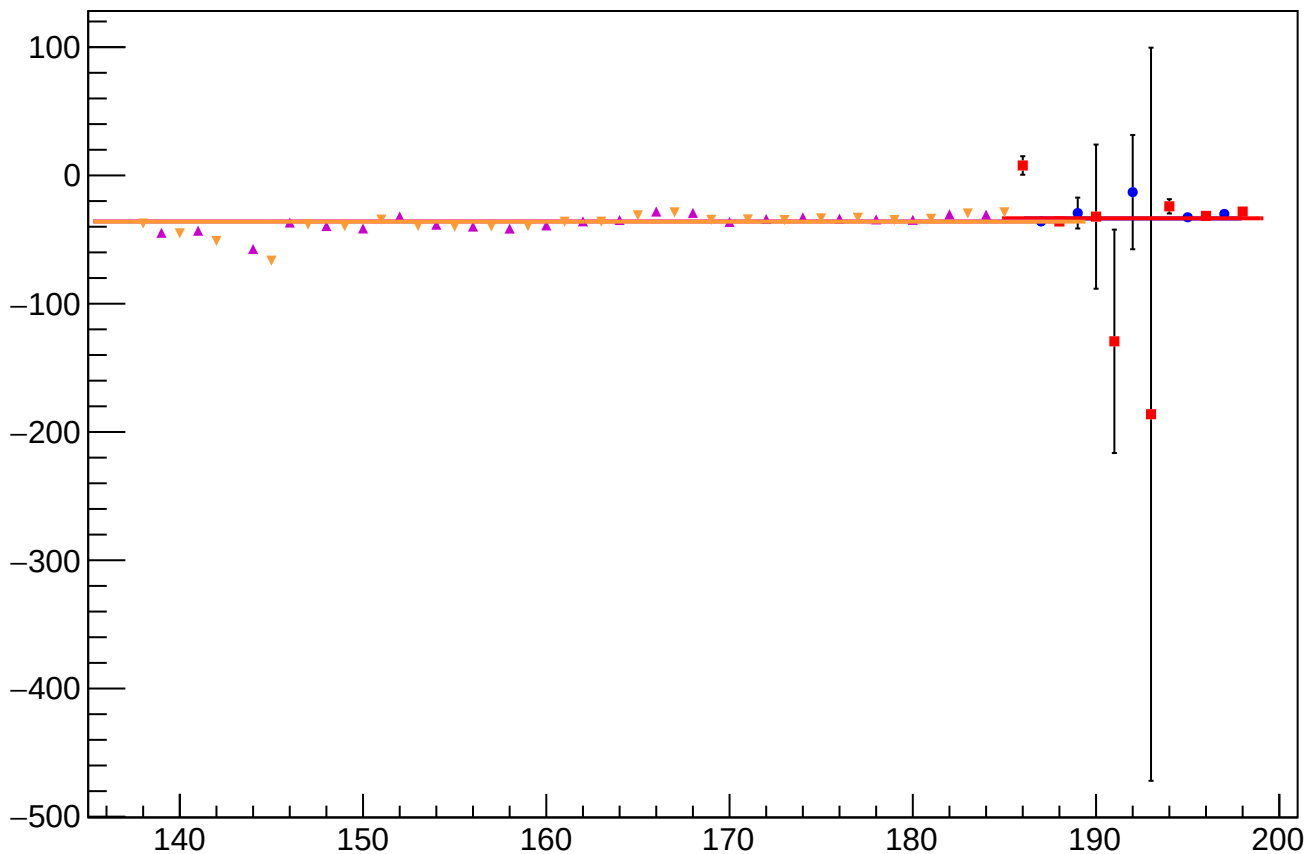
Right: -20.426 $\pm$ 0.011 χ^2 /NDF: 121706.6/45

In: -19.919 $\pm$ 0.007 χ^2 /NDF: 172043.4/43

Out: -20.196 $\pm$ 0.007 χ^2 /NDF: 267558.4/48

All: -20.056 $\pm$ 0.005 χ^2 /NDF: 440388.5/92

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.567 ± 1.333 χ^2/NDF : 3.8/4

Left Out: -36.019 ± 0.192 χ^2/NDF : 1125.4/23

Right Out: -33.424 ± 1.012 χ^2/NDF : 44.2/7

Left In: -35.856 ± 0.191 χ^2/NDF : 875.9/22

Left: -35.937 ± 0.135 χ^2/NDF : 2001.6/46

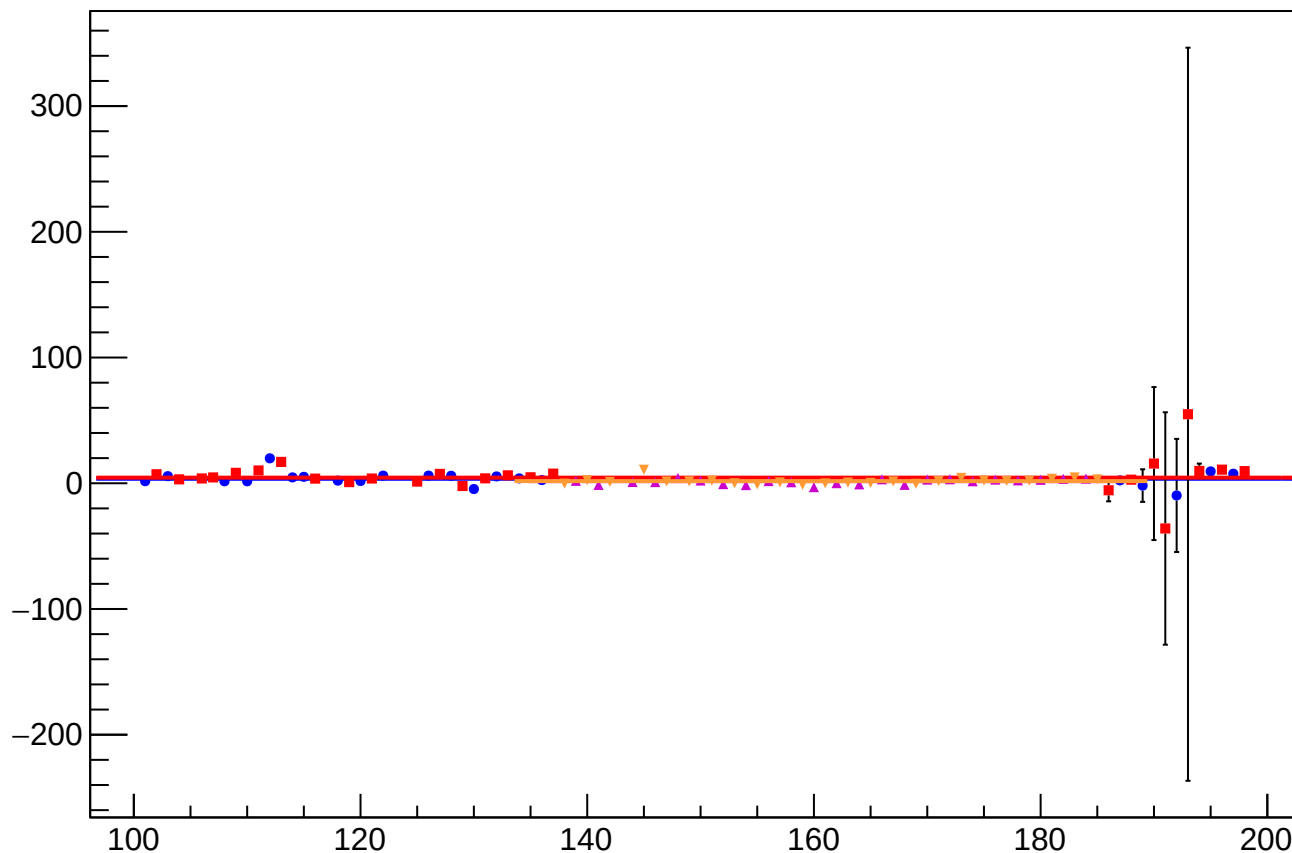
Right: -33.476 ± 0.806 χ^2/NDF : 47.9/12

In: -35.810 ± 0.189 χ^2/NDF : 882.5/27

Out: -35.929 ± 0.188 χ^2/NDF : 1175.9/31

All: -35.869 ± 0.133 χ^2/NDF : 2058.6/59

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.574 $\pm$ 0.216 χ^2 /NDF: 449.0/20

Left Out: 1.721 $\pm$ 0.148 χ^2 /NDF:168.3/23

Right Out: 4.460 $\pm$ 0.222 χ^2 /NDF: 353.0/24

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

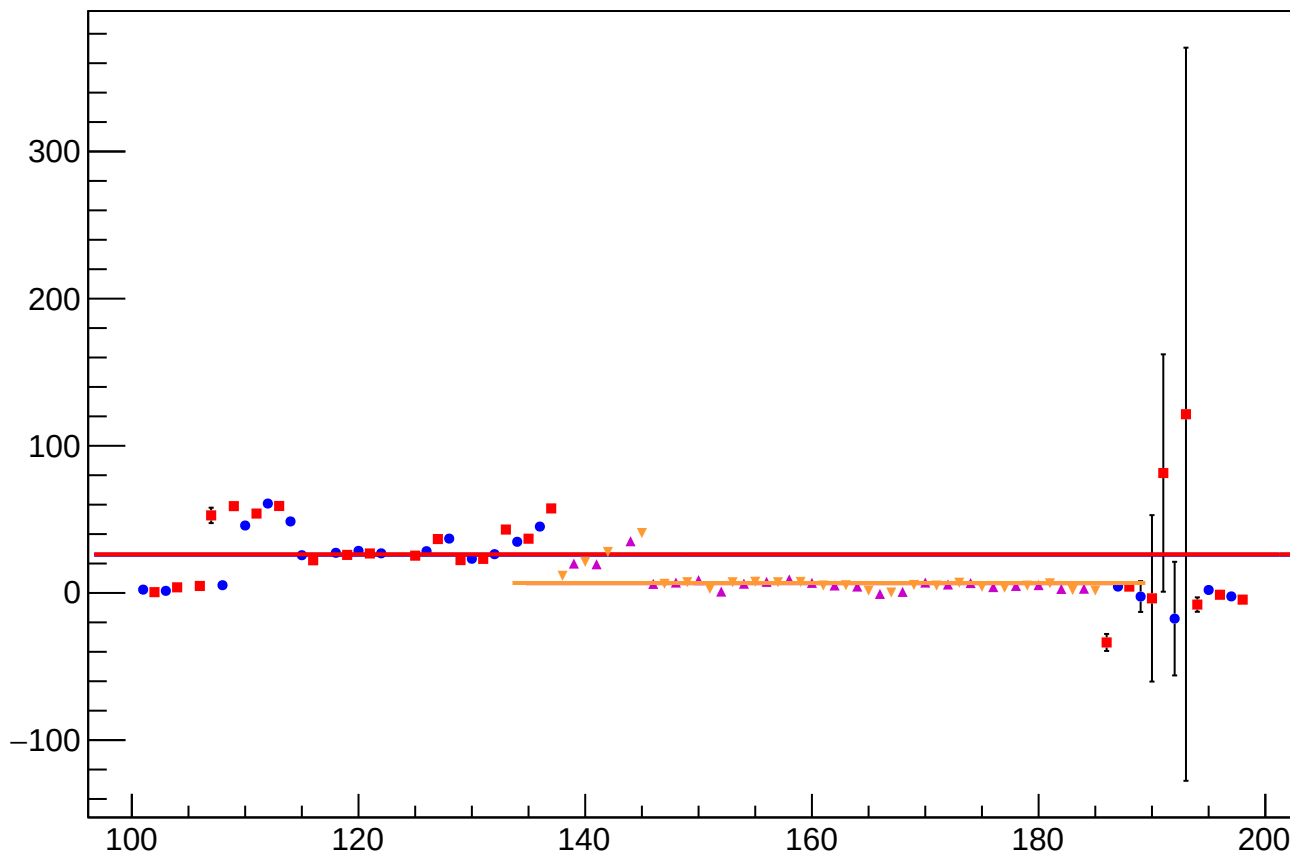
Right: 4.003 $\pm$ 0.155 χ^2 /NDF: 810.2/45

In: 2.315 $\pm$ 0.123 χ^2 /NDF:663.6/43

Out: 2.558 $\pm$ 0.123 χ^2 /NDF:626.5/48

All: 2.436 $\pm$ 0.087 χ^2 /NDF: 1292.1/92

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.968 $\pm$ 0.390 χ^2 /NDF: 2031.9/20

Left Out: 6.767 $\pm$ 0.191 χ^2 /NDF:1301.2/23

Right Out: 26.270 $\pm$ 0.377 χ^2 /NDF: 2777.3/24

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

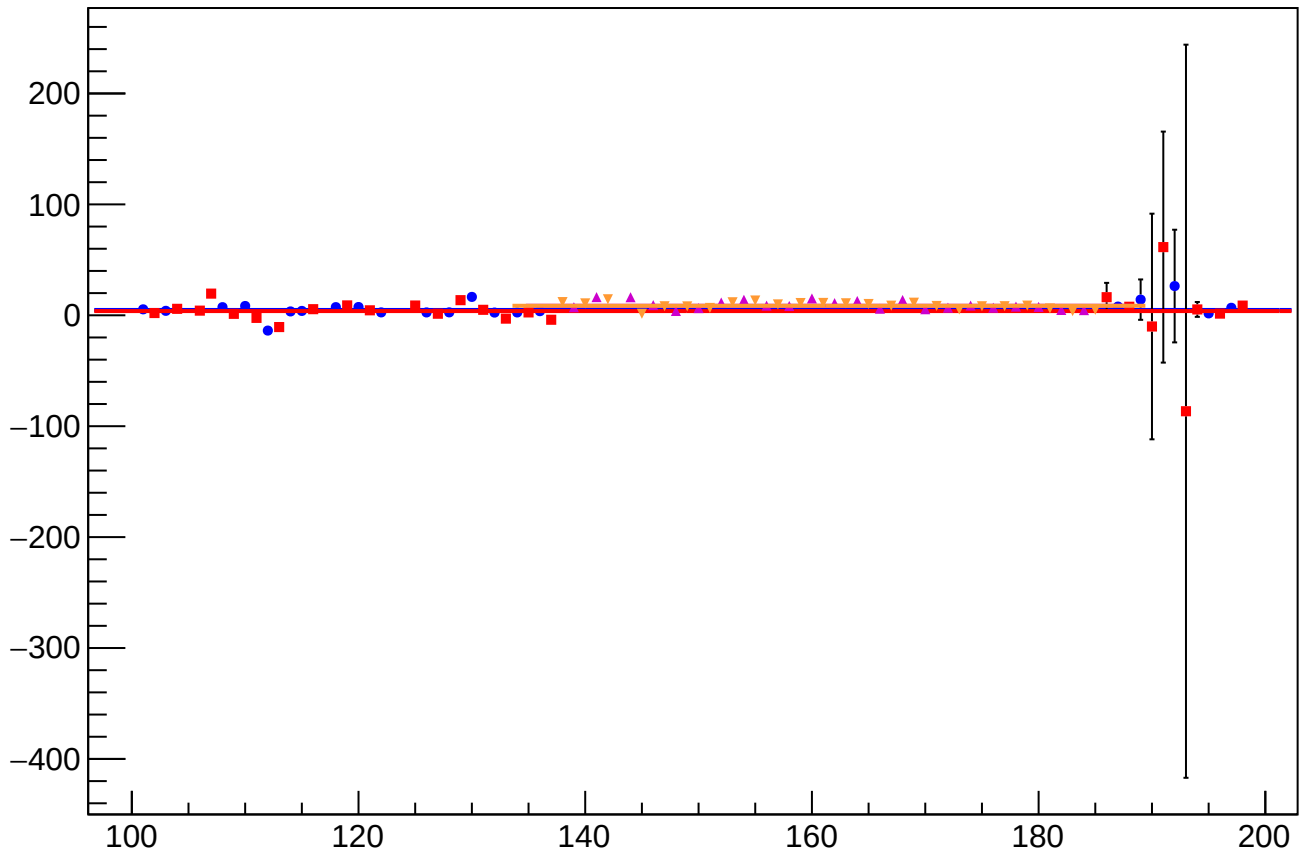
Right: 26.124 $\pm$ 0.271 χ^2 /NDF: 4809.5/45

In: 10.336 $\pm$ 0.171 χ^2 /NDF:5091.7/43

Out: 10.765 $\pm$ 0.171 χ^2 /NDF:6210.2/48

All: 10.550 $\pm$ 0.121 χ^2 /NDF: 11305.0/92

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.802 ± 0.249 χ^2/NDF : 551.9/20

Left Out: 8.588 ± 0.169 χ^2/NDF : 245.6/23

Right Out: 3.796 ± 0.256 χ^2/NDF : 568.2/24

Left In: 8.573 ± 0.170 χ^2/NDF : 443.4/22

Left: 8.581 ± 0.120 χ^2/NDF : 689.0/46

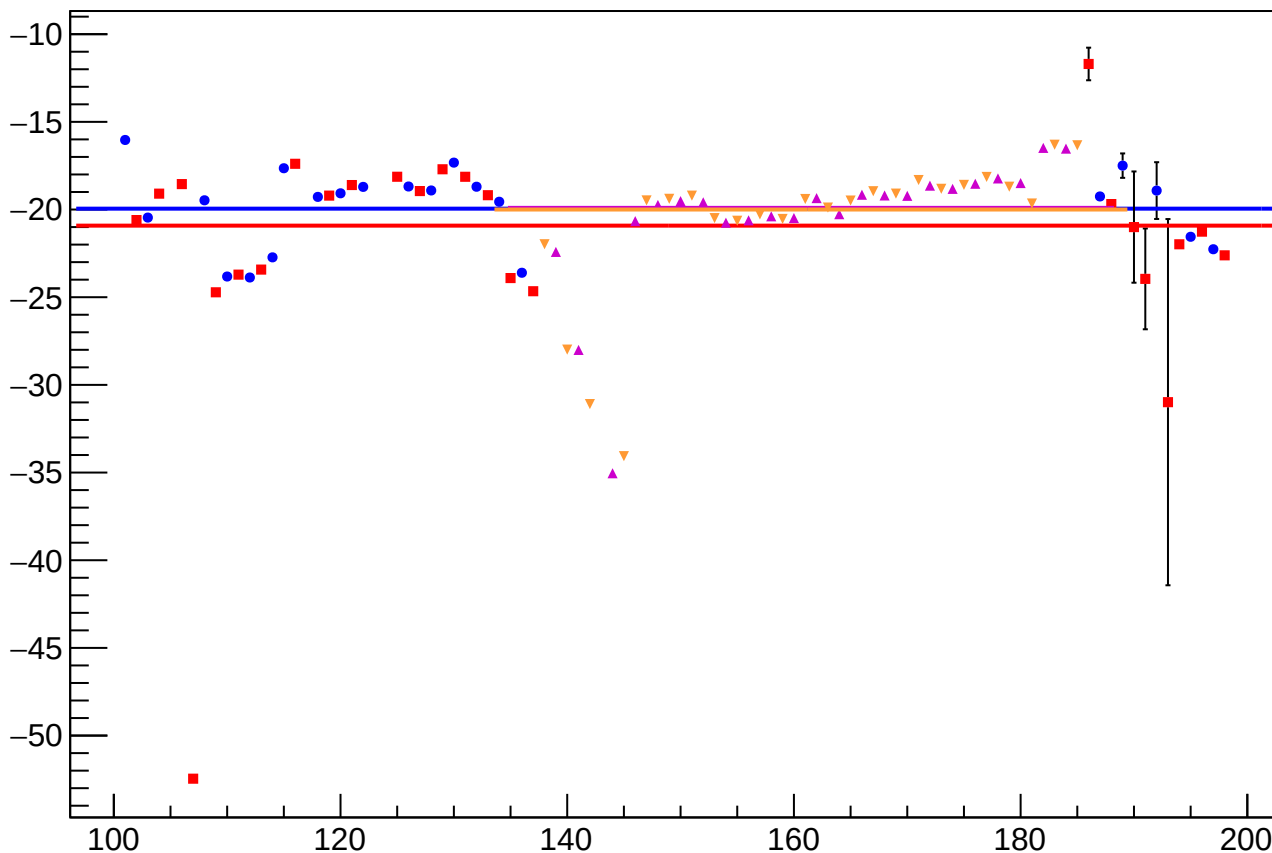
Right: 4.312 ± 0.179 χ^2/NDF : 1128.0/45

In: 7.380 ± 0.140 χ^2/NDF : 1151.6/43

Out: 7.138 ± 0.141 χ^2/NDF : 1057.7/48

All: 7.260 ± 0.099 χ^2/NDF : 2210.7/92

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.950 $\pm$ 0.015 χ^2 /NDF: 26684.5/20

Left Out: -19.999 $\pm$ 0.008 χ^2 /NDF: 171834.0/23

Right Out: -20.918 $\pm$ 0.015 χ^2 /NDF: 93280.2/24

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

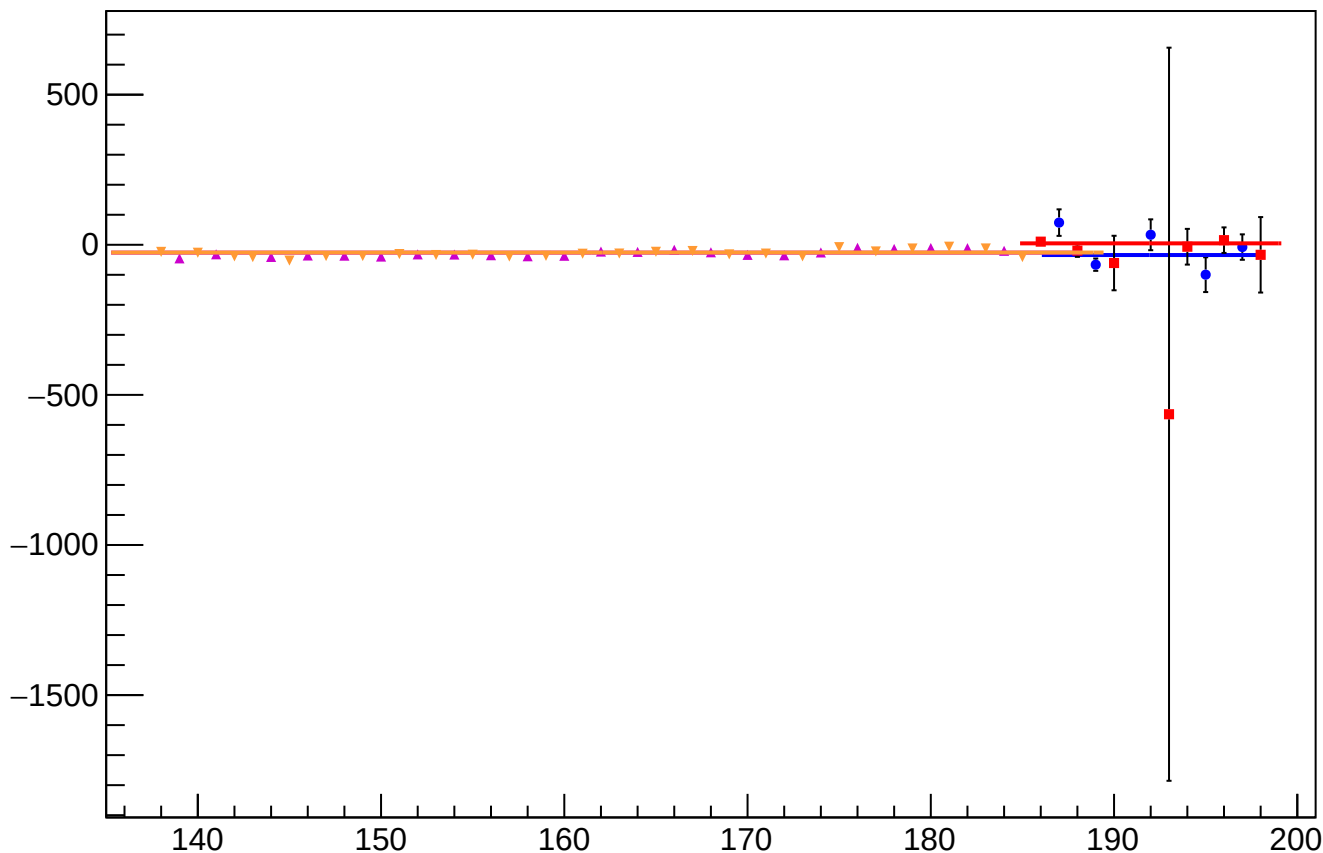
Right: -20.432 $\pm$ 0.011 χ^2 /NDF: 121971.8/45

In: -19.914 $\pm$ 0.007 χ^2 /NDF: 172038.2/43

Out: -20.192 $\pm$ 0.007 χ^2 /NDF: 267959.2/48

All: -20.052 $\pm$ 0.005 χ^2 /NDF: 440788.8/92

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.142 ± 15.590 χ^2/NDF : 11.8/4

Left Out: -25.804 ± 0.192 χ^2/NDF : 4127.8/24

Right Out: 4.730 ± 8.297 χ^2/NDF : 2.6/6

Left In: -26.204 ± 0.194 χ^2/NDF : 3377.8/22

Left: -26.002 ± 0.137 χ^2/NDF : 7507.7/47

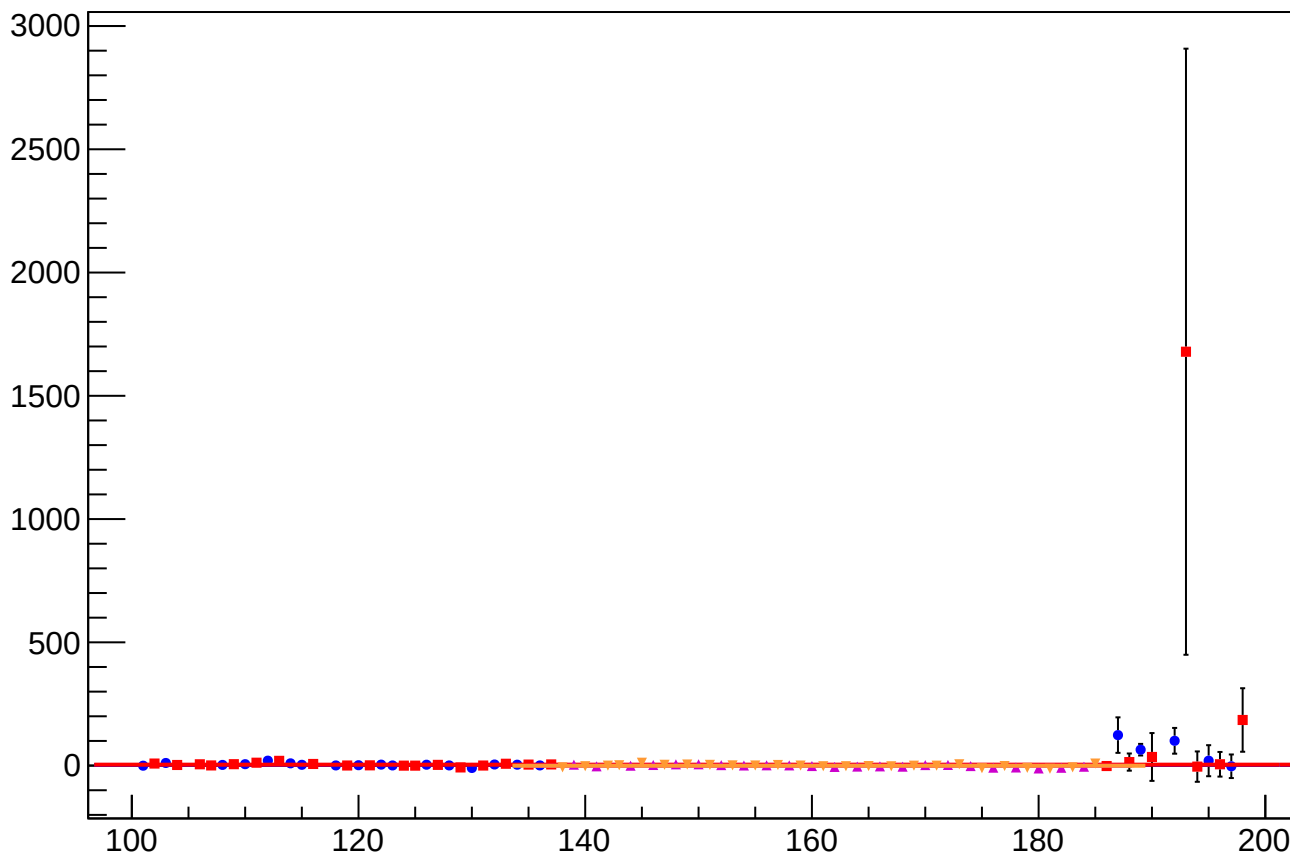
Right: -3.850 ± 7.325 χ^2/NDF : 19.3/11

In: -26.205 ± 0.194 χ^2/NDF : 3389.9/27

Out: -25.788 ± 0.192 χ^2/NDF : 4143.9/31

All: -25.994 ± 0.137 χ^2/NDF : 7536.1/59

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.460+/-0.311 χ^2/NDF : 308.7/21

Left Out: -0.681+/-0.147 χ^2/NDF :1314.3/24

Right Out: 3.724+/-0.327 χ^2/NDF : 273.4/24

Left In: -0.842+/-0.150 χ^2/NDF :1071.6/22

Left: -0.760+/-0.105 χ^2/NDF : 2386.5/47

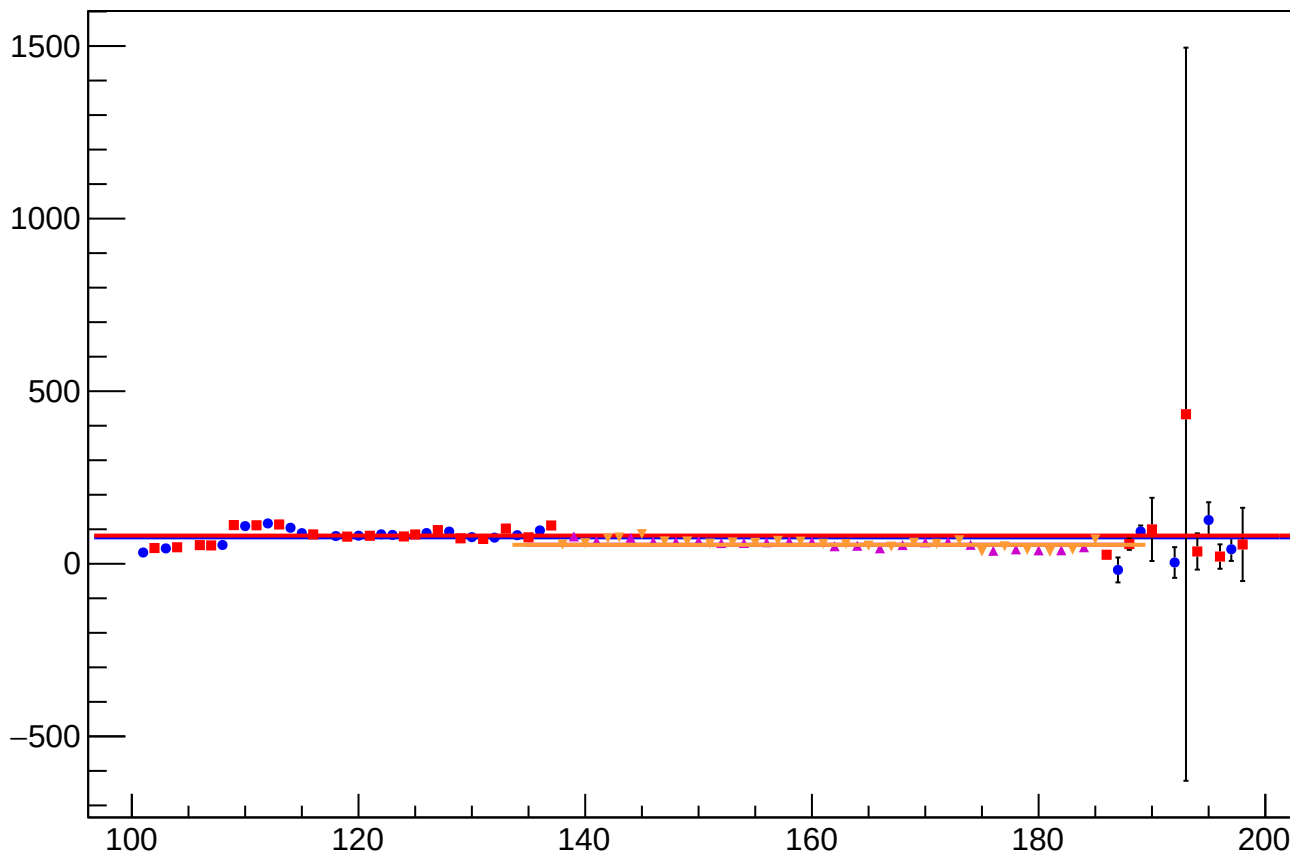
Right: 3.061+/-0.225 χ^2/NDF : 589.9/46

In: -0.218+/-0.135 χ^2/NDF :1471.8/44

Out: 0.057+/-0.134 χ^2/NDF :1738.8/49

All: -0.079+/-0.095 χ^2/NDF : 3212.8/94

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.552 $\pm$ 0.573 χ^2 /NDF: 2266.0/21

Left Out: 55.000 $\pm$ 0.192 χ^2 /NDF: 4524.8/24

Right Out: 81.684 $\pm$ 0.590 χ^2 /NDF: 1607.9/24

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

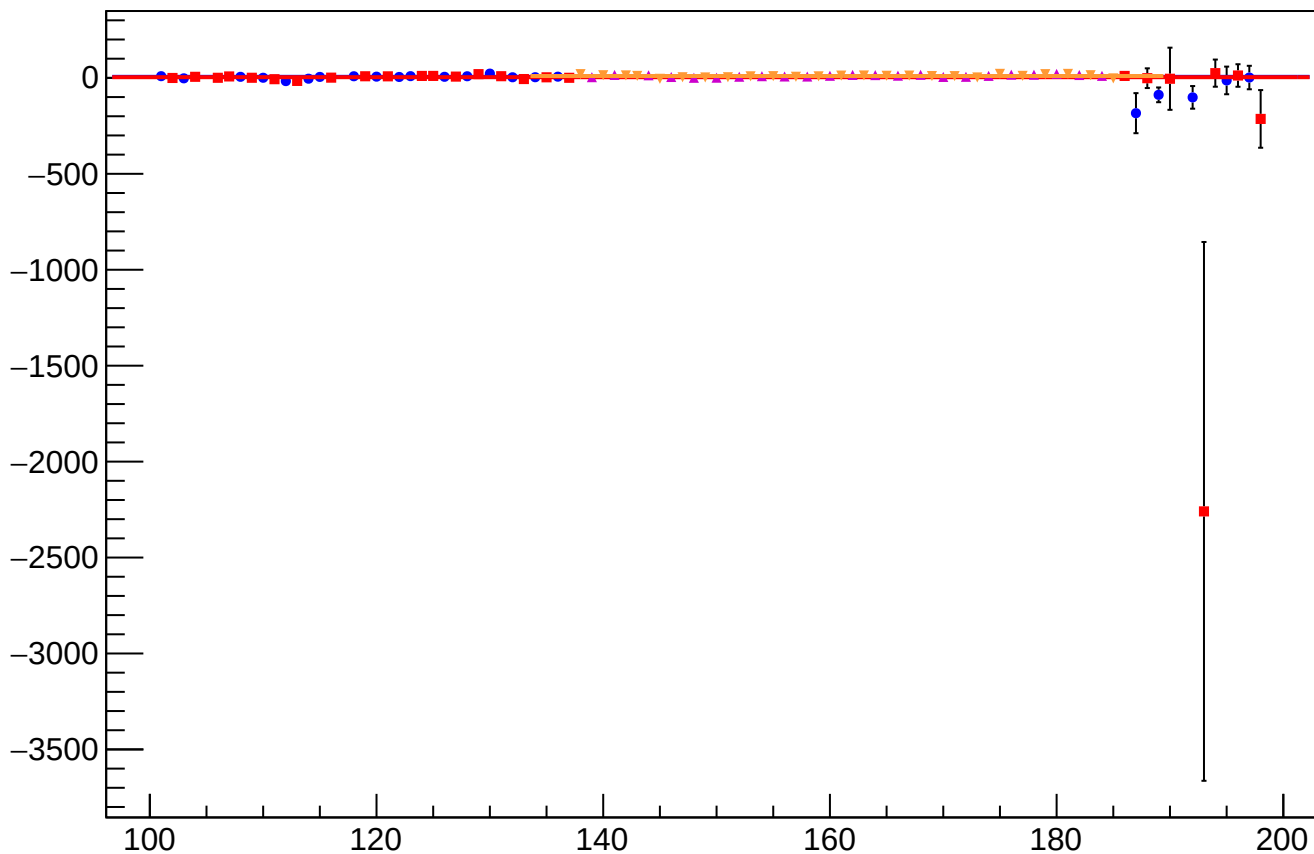
Right: 79.040 $\pm$ 0.411 χ^2 /NDF: 3912.9/46

In: 57.396 $\pm$ 0.183 χ^2 /NDF: 7336.3/44

Out: 57.548 $\pm$ 0.182 χ^2 /NDF: 7980.0/49

All: 57.472 $\pm$ 0.129 χ^2 /NDF: 15316.7/94

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.427 $\pm$ 0.357 χ^2 /NDF: 400.1/21

Left Out: 9.750 $\pm$ 0.168 χ^2 /NDF:1449.2/24

Right Out: 3.582 $\pm$ 0.375 χ^2 /NDF: 428.0/24

Left In: 9.775 $\pm$ 0.171 χ^2 /NDF:1165.6/22

Left: 9.762 $\pm$ 0.120 χ^2 /NDF: 2614.7/47

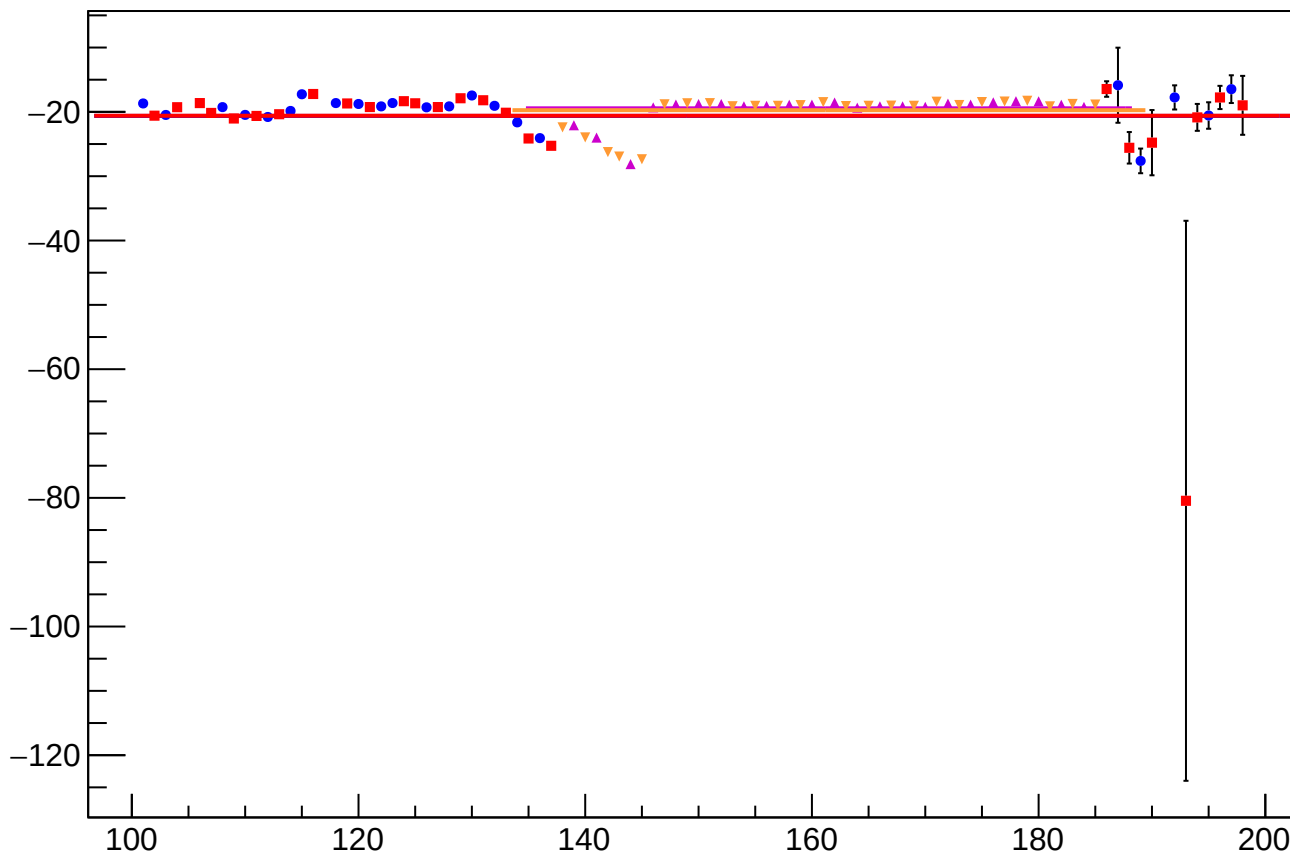
Right: 4.550 $\pm$ 0.259 χ^2 /NDF: 840.7/46

In: 8.963 $\pm$ 0.154 χ^2 /NDF:1686.1/44

Out: 8.719 $\pm$ 0.153 χ^2 /NDF:2102.1/49

All: 8.840 $\pm$ 0.109 χ^2 /NDF: 3789.4/94

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 $\pm$ 0.019 χ^2 /NDF: 12510.5/21

Left Out: -19.738 $\pm$ 0.008 χ^2 /NDF: 88495.2/24

Right Out: -20.601 $\pm$ 0.019 χ^2 /NDF: 11972.2/24

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

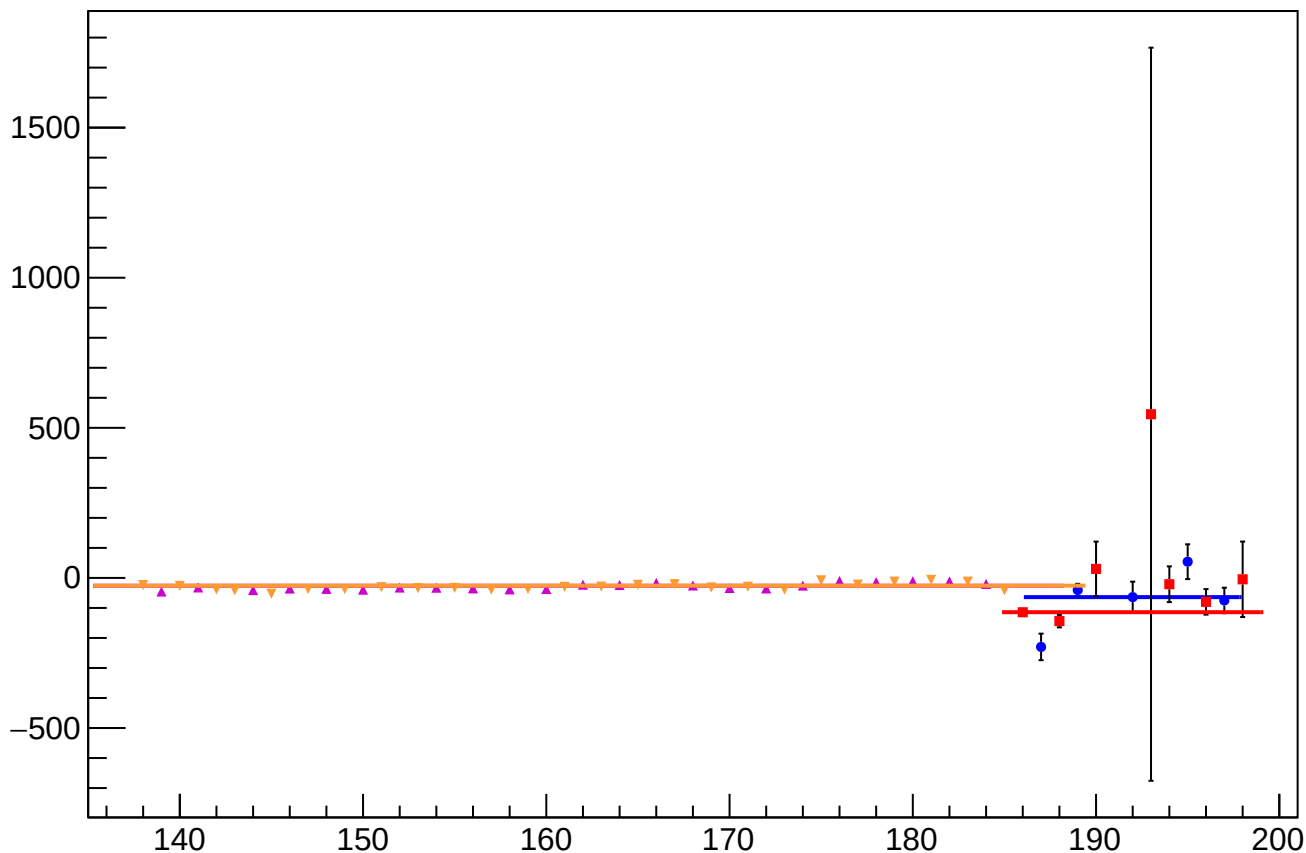
Right: -20.616 $\pm$ 0.014 χ^2 /NDF: 24483.9/46

In: -19.619 $\pm$ 0.007 χ^2 /NDF: 69770.7/44

Out: -19.861 $\pm$ 0.007 χ^2 /NDF: 102156.9/49

All: -19.740 $\pm$ 0.005 χ^2 /NDF: 172473.1/94

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -63.973 ± 15.602 $\chi^2/\text{NDF}: 19.7/4$

Left Out: -25.814 ± 0.192 $\chi^2/\text{NDF}: 4094.6/24$

Right Out: -114.168 ± 8.303 $\chi^2/\text{NDF}: 8.7/6$

Left In: -26.200 ± 0.194 $\chi^2/\text{NDF}: 3344.6/22$

Left: -26.005 ± 0.137 $\chi^2/\text{NDF}: 7441.2/47$

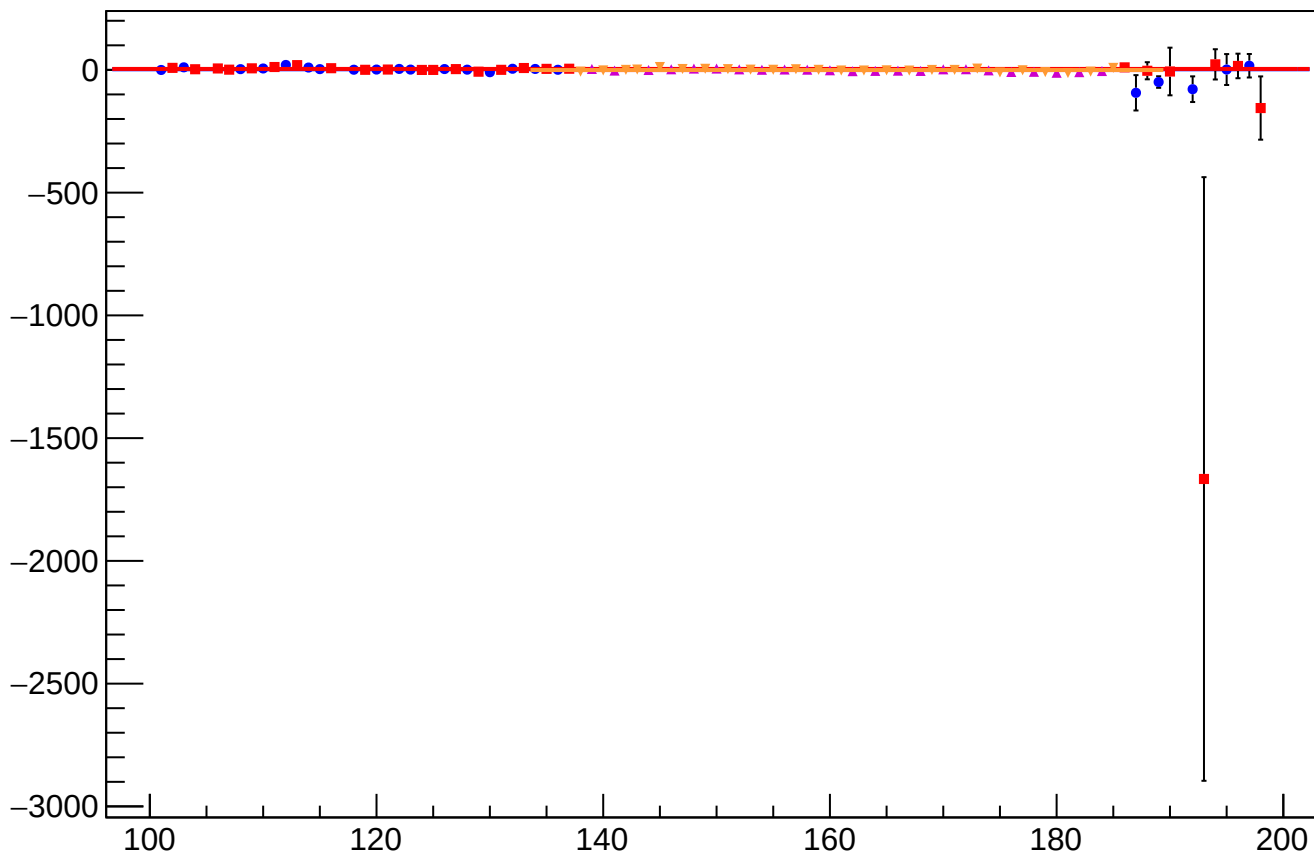
Right: -103.090 ± 7.330 $\chi^2/\text{NDF}: 36.4/11$

In: -26.206 ± 0.194 $\chi^2/\text{NDF}: 3370.2/27$

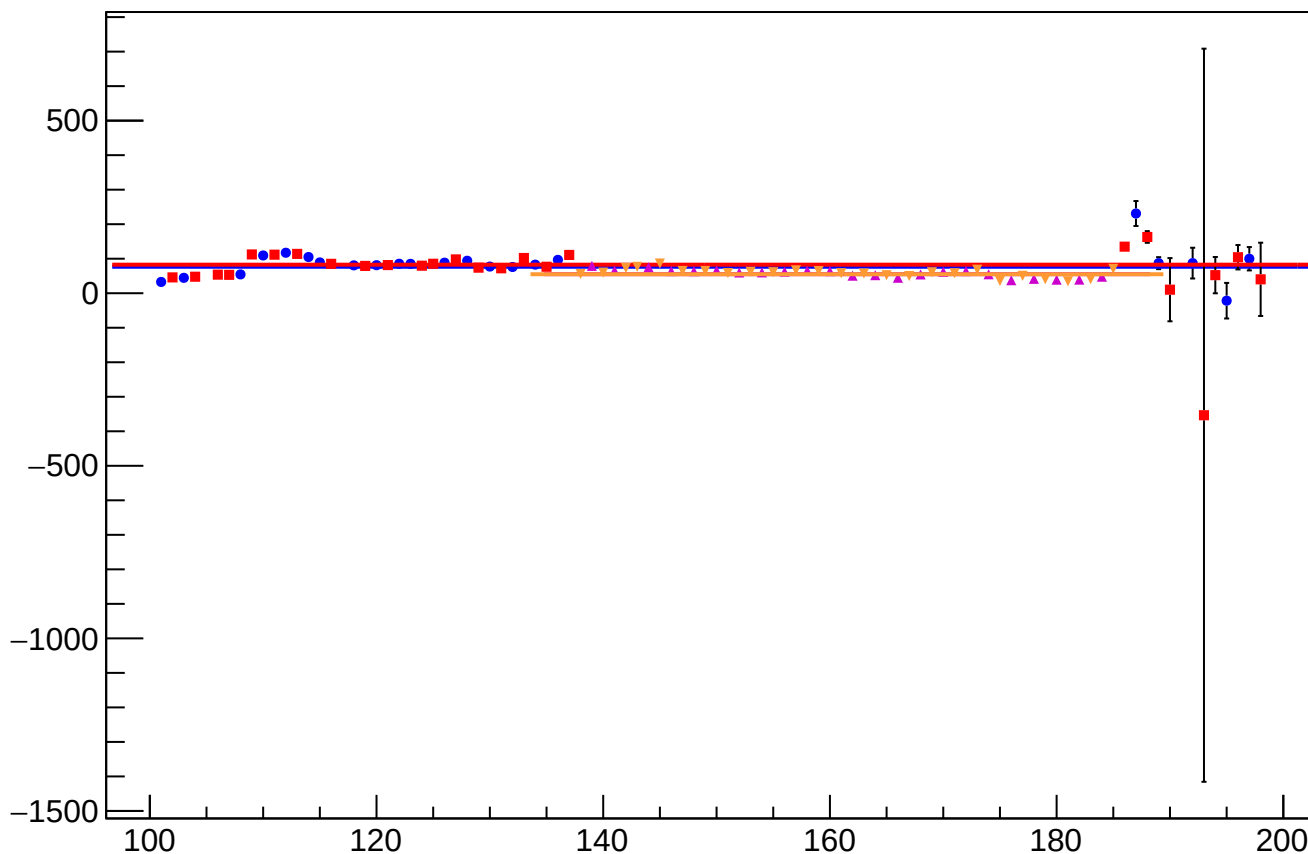
Out: -25.862 ± 0.192 $\chi^2/\text{NDF}: 4216.5/31$

All: -26.032 ± 0.137 $\chi^2/\text{NDF}: 7588.2/59$

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.733+/-0.573 χ^2/NDF : 2287.8/21

Left Out: 55.008+/-0.192 χ^2/NDF : 4502.1/24

Right Out: 82.668+/-0.591 χ^2/NDF : 1622.1/24

Left In: 55.252+/-0.193 χ^2/NDF : 3786.2/22

Left: 55.129+/-0.136 χ^2/NDF : 8289.0/47

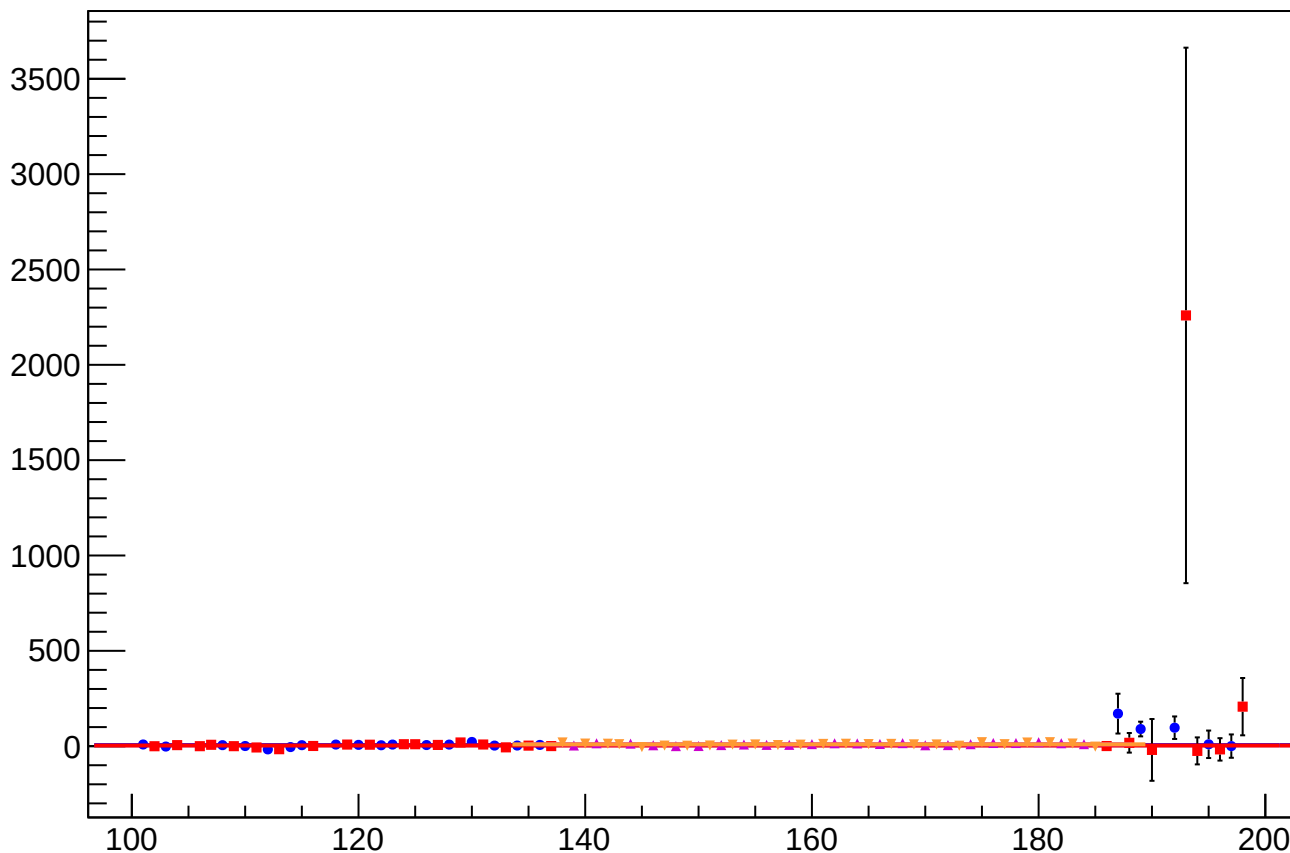
Right: 79.610+/-0.411 χ^2/NDF : 3962.0/46

In: 57.439+/-0.183 χ^2/NDF : 7336.1/44

Out: 57.649+/-0.183 χ^2/NDF : 8106.8/49

All: 57.544+/-0.129 χ^2/NDF : 15443.6/94

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.452 $\pm$ 0.357 χ^2 /NDF: 395.7/21

Left Out: 9.691 $\pm$ 0.168 χ^2 /NDF:1440.3/24

Right Out: 3.423 $\pm$ 0.376 χ^2 /NDF: 427.7/24

Left In: 9.708 $\pm$ 0.171 χ^2 /NDF:1198.0/22

Left: 9.699 $\pm$ 0.120 χ^2 /NDF: 2638.3/47

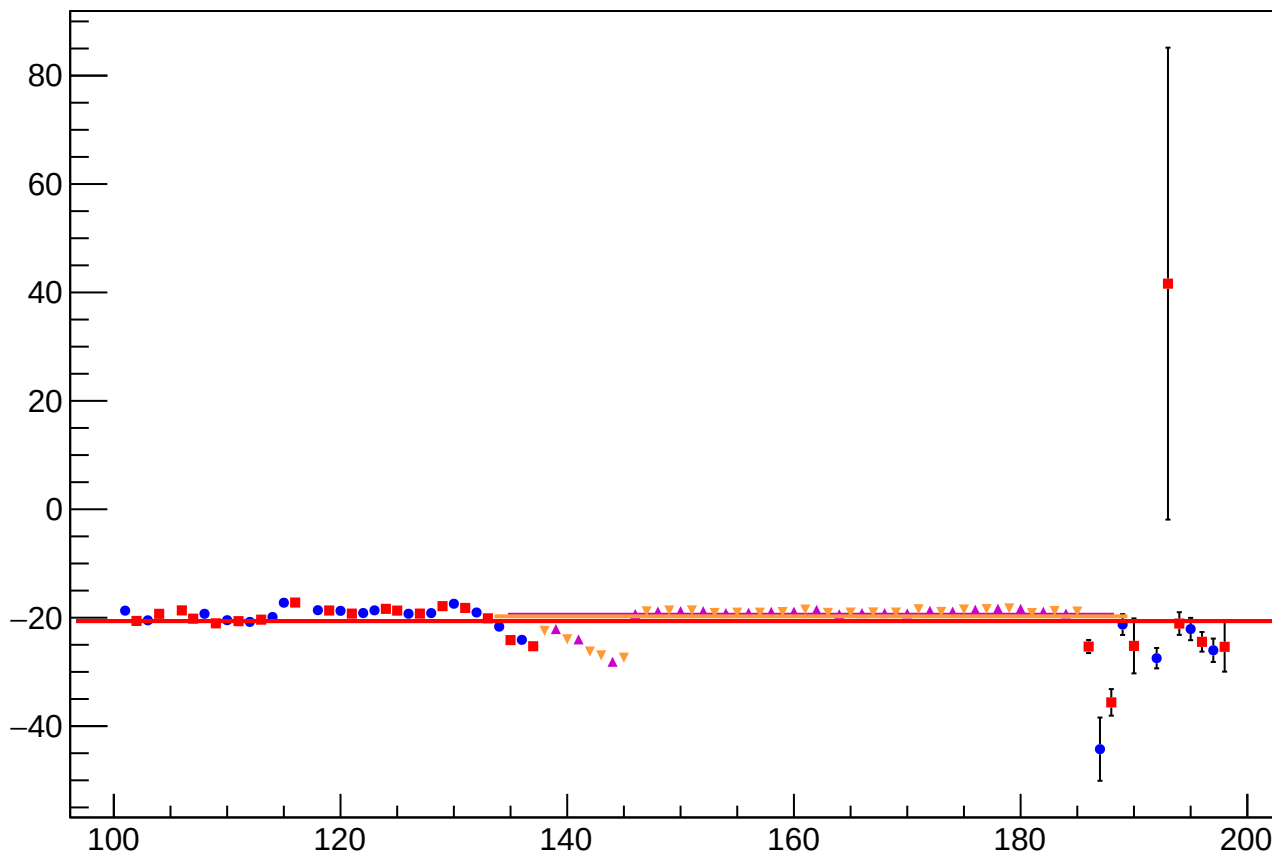
Right: 4.488 $\pm$ 0.259 χ^2 /NDF: 838.7/46

In: 8.913 $\pm$ 0.155 χ^2 /NDF:1709.0/44

Out: 8.643 $\pm$ 0.154 χ^2 /NDF:2099.9/49

All: 8.777 $\pm$ 0.109 χ^2 /NDF: 3810.4/94

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.633 $\pm$ 0.019 χ^2 /NDF: 12567.2/21

Left Out: -19.746 $\pm$ 0.008 χ^2 /NDF: 88374.4/24

Right Out: -20.608 $\pm$ 0.019 χ^2 /NDF: 11961.7/24

Left In: -19.457 $\pm$ 0.008 χ^2 /NDF: 53995.4/22

Left: -19.602 $\pm$ 0.006 χ^2 /NDF: 143036.3/47

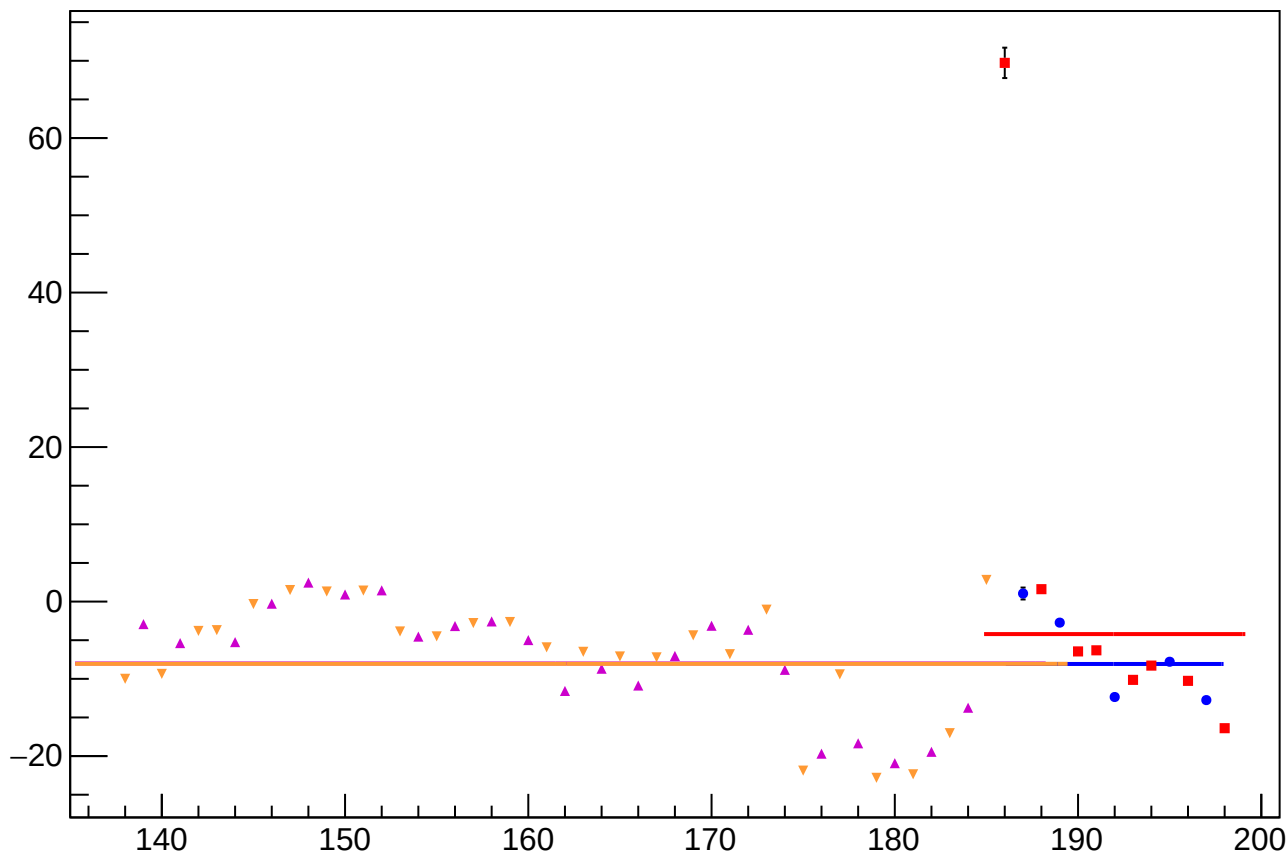
Right: -20.621 $\pm$ 0.014 χ^2 /NDF: 24529.8/46

In: -19.627 $\pm$ 0.007 χ^2 /NDF: 69743.5/44

Out: -19.868 $\pm$ 0.007 χ^2 /NDF: 102020.0/49

All: -19.748 $\pm$ 0.005 χ^2 /NDF: 172305.0/94

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



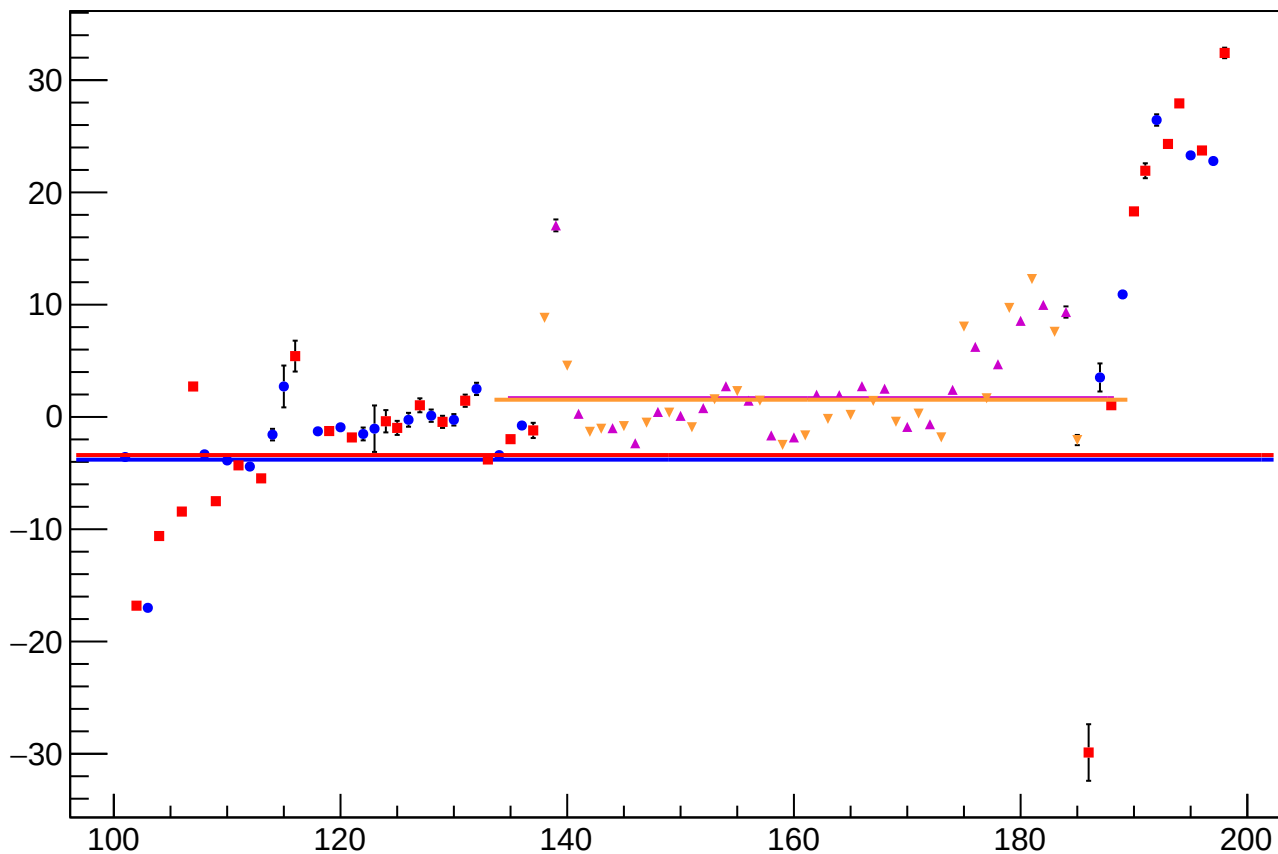
Right In: -8.077 ± 0.192 $\chi^2/\text{NDF}: 576.9/4$
 Left Out: -8.058 ± 0.070 $\chi^2/\text{NDF}: 12532.2/24$
 Right Out: -4.207 ± 0.125 $\chi^2/\text{NDF}: 3746.7/7$
 Left In: -8.010 ± 0.071 $\chi^2/\text{NDF}: 10631.2/22$

Left: -8.034 ± 0.050 $\chi^2/\text{NDF}: 23163.6/47$
 Right: -5.359 ± 0.105 $\chi^2/\text{NDF}: 4609.7/12$

In: -8.018 ± 0.067 $\chi^2/\text{NDF}: 11208.2/27$
 Out: -7.128 ± 0.061 $\chi^2/\text{NDF}: 17000.8/32$

All: -7.535 ± 0.045 $\chi^2/\text{NDF}: 28305.1/60$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.802 ± 0.053 $\chi^2/\text{NDF}: 23832.2/21$

Left Out: 1.535 ± 0.055 $\chi^2/\text{NDF}: 4816.7/24$

Right Out: -3.393 ± 0.056 $\chi^2/\text{NDF}: 39936.1/25$

Left In: 1.673 ± 0.056 $\chi^2/\text{NDF}: 4106.3/22$

Left: 1.602 ± 0.039 $\chi^2/\text{NDF}: 8926.1/47$

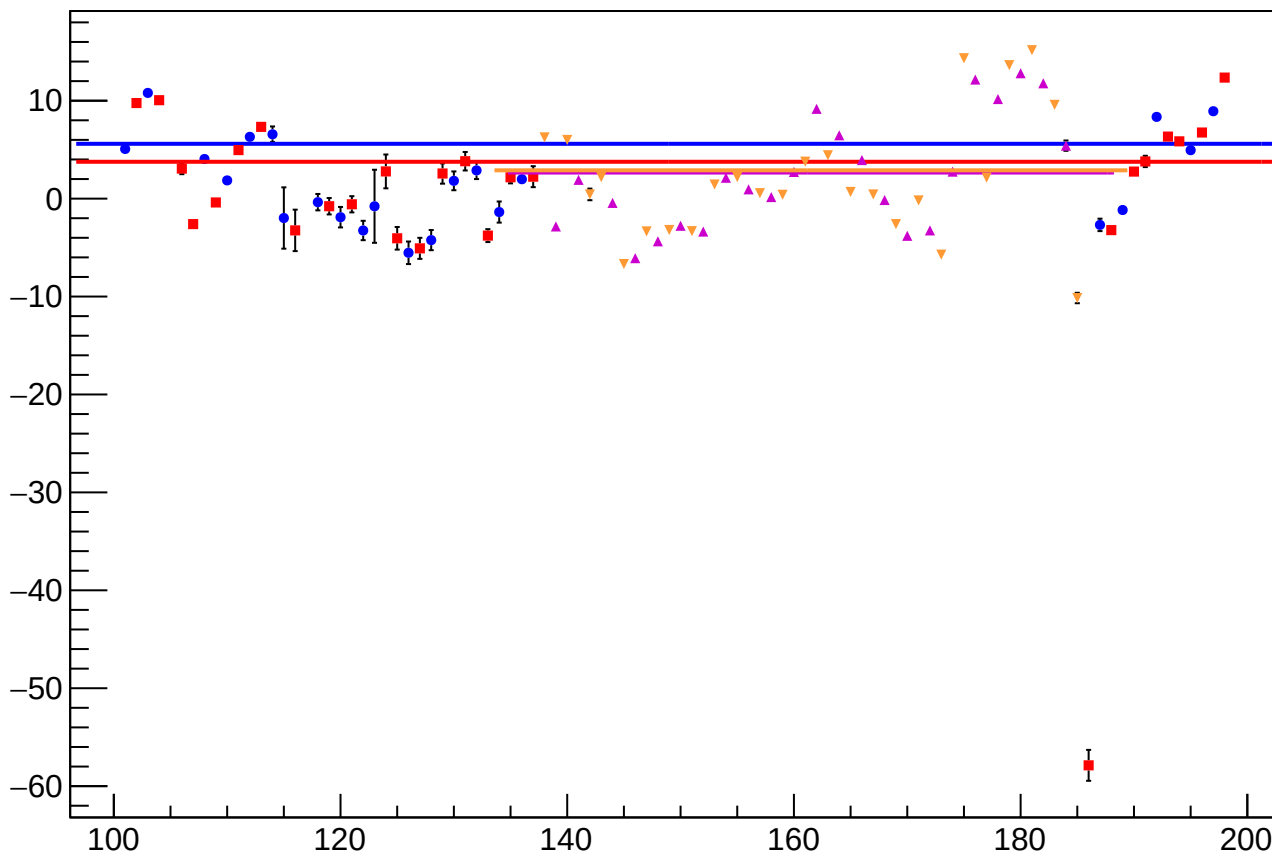
Right: -3.607 ± 0.038 $\chi^2/\text{NDF}: 63796.6/47$

In: -1.236 ± 0.039 $\chi^2/\text{NDF}: 32943.4/44$

Out: -0.879 ± 0.039 $\chi^2/\text{NDF}: 48759.3/50$

All: -1.059 ± 0.027 $\chi^2/\text{NDF}: 81744.9/95$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.599 $\pm$ 0.079 χ^2 /NDF: 2165.9/21

Left Out: 2.891 $\pm$ 0.070 χ^2 /NDF:8889.4/24

Right Out: 3.764 $\pm$ 0.071 χ^2 /NDF: 7275.3/25

Left In: 2.663 $\pm$ 0.071 χ^2 /NDF:7308.8/22

Left: 2.778 $\pm$ 0.050 χ^2 /NDF: 16203.4/47

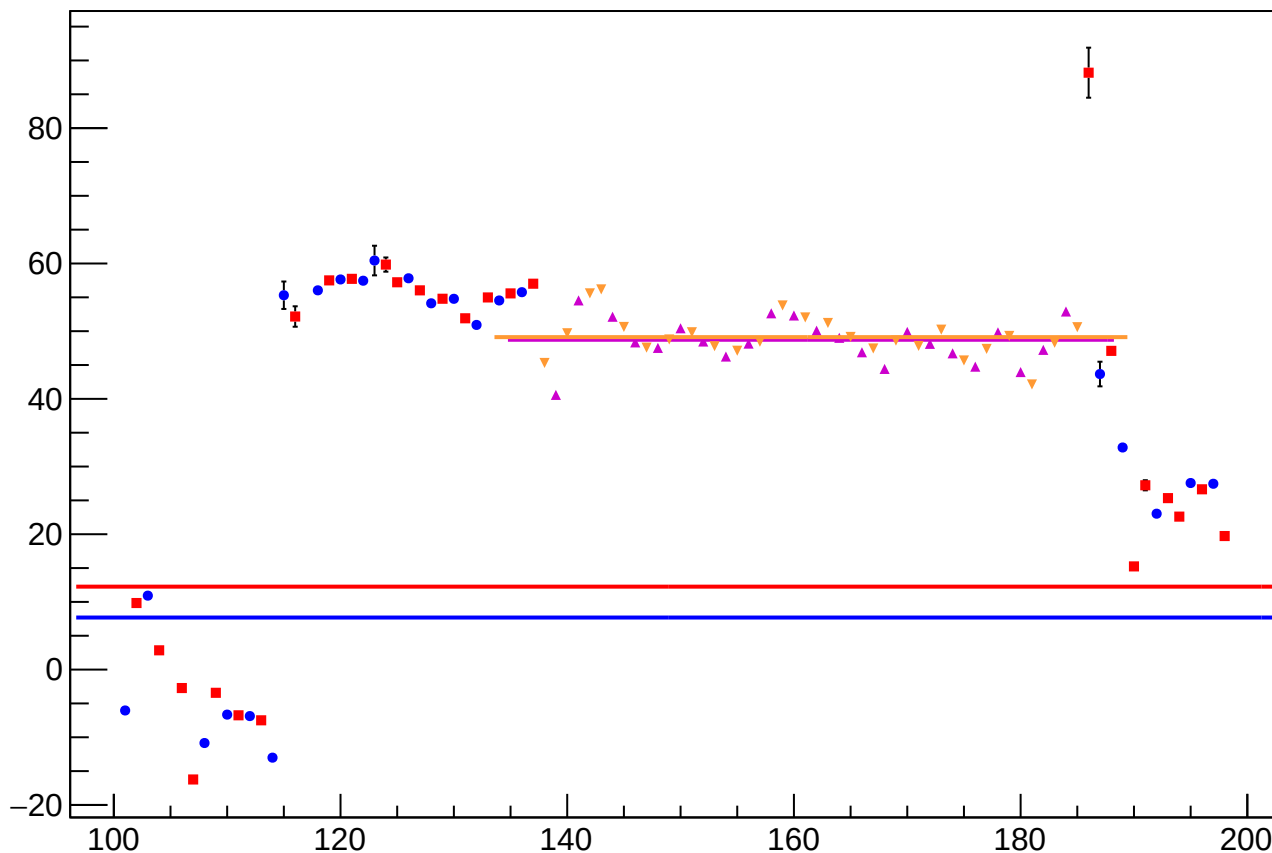
Right: 4.591 $\pm$ 0.053 χ^2 /NDF: 9738.7/47

In: 3.978 $\pm$ 0.053 χ^2 /NDF:10240.1/44

Out: 3.321 $\pm$ 0.050 χ^2 /NDF:16240.4/50

All: 3.633 $\pm$ 0.036 χ^2 /NDF: 26562.0/95

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 7.692 $\pm$ 0.063 χ^2 /NDF: 130137.2/21

Left Out: 49.121 $\pm$ 0.062 χ^2 /NDF:2165.4/24

Right Out: 12.255 $\pm$ 0.066 χ^2 /NDF: 133547.2/25

Left In: 48.731 $\pm$ 0.064 χ^2 /NDF:2117.7/22

Left: 48.931 $\pm$ 0.044 χ^2 /NDF: 4302.5/47

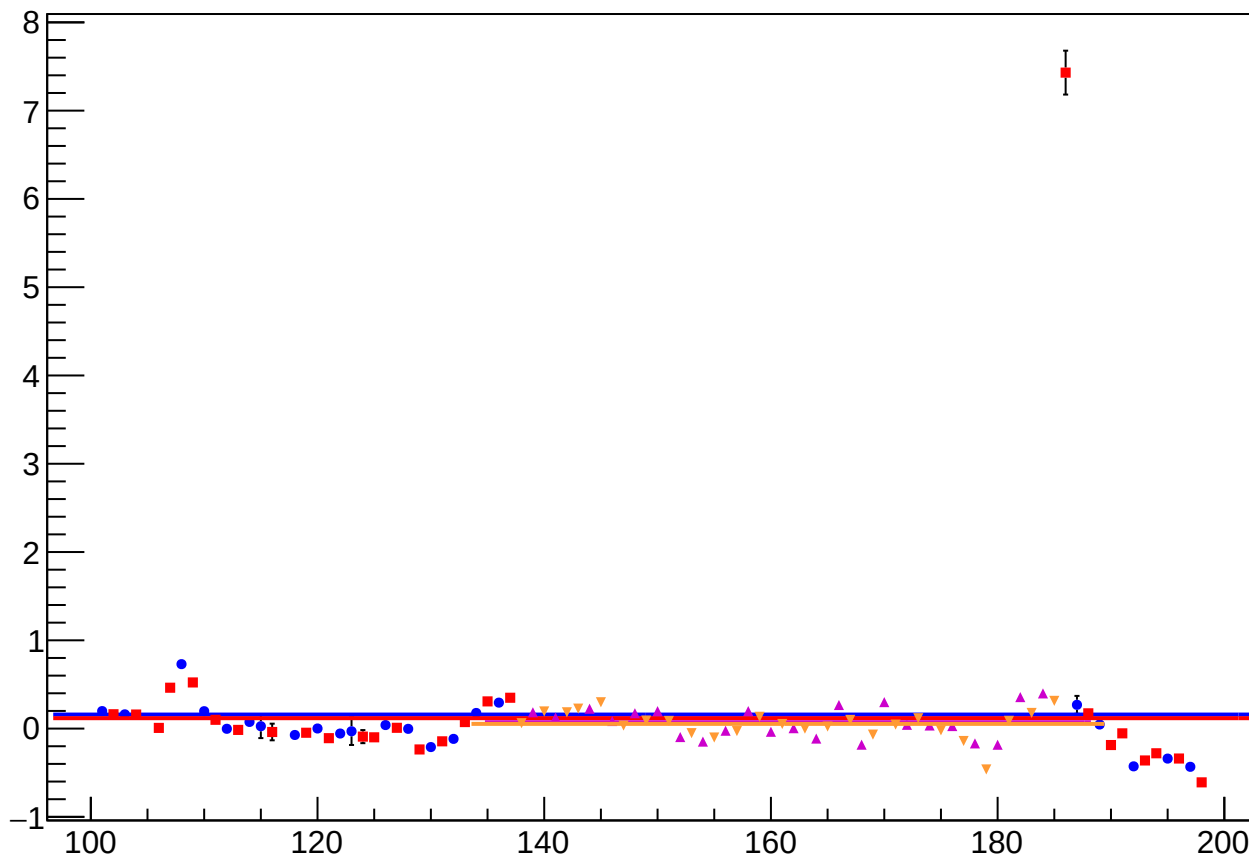
Right: 9.847 $\pm$ 0.046 χ^2 /NDF: 266181.0/47

In: 27.954 $\pm$ 0.045 χ^2 /NDF:343331.3/44

Out: 31.971 $\pm$ 0.045 χ^2 /NDF:300815.0/50

All: 29.936 $\pm$ 0.032 χ^2 /NDF: 648138.0/95

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.159+/-0.003 χ^2/NDF : 8341.6/21

Left Out: 0.053+/-0.003 χ^2/NDF : 2369.3/24

Right Out: 0.118+/-0.003 χ^2/NDF : 9388.4/25

Left In: 0.072+/-0.003 χ^2/NDF : 3272.0/22

Left: 0.063+/-0.002 χ^2/NDF : 5662.5/47

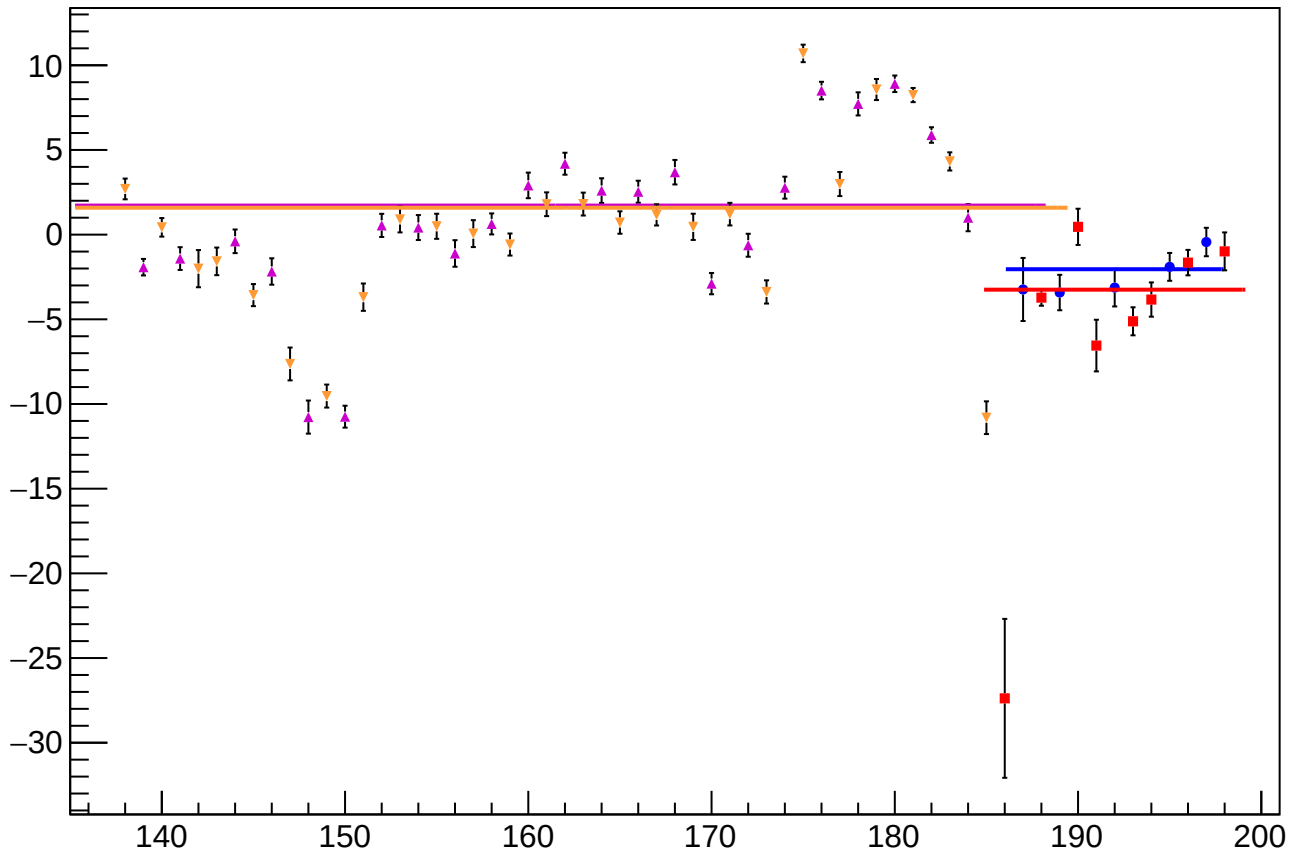
Right: 0.137+/-0.002 χ^2/NDF : 17858.6/47

In: 0.119+/-0.002 χ^2/NDF : 12119.1/44

Out: 0.089+/-0.002 χ^2/NDF : 12046.4/50

All: 0.104+/-0.001 χ^2/NDF : 24286.1/95

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.042 ± 0.451 χ^2/NDF : 6.8/4
 Left Out: 1.590 ± 0.133 χ^2/NDF : 1457.4/24
 Right Out: -3.249 ± 0.305 χ^2/NDF : 58.2/7
 Left In: 1.715 ± 0.134 χ^2/NDF : 1313.5/22

Left: 1.652 ± 0.094 χ^2/NDF : 2771.4/47
 Right: -2.871 ± 0.253 χ^2/NDF : 69.9/12
 In: 1.410 ± 0.129 χ^2/NDF : 1384.0/27
 Out: 0.817 ± 0.122 χ^2/NDF : 1727.1/32
 All: 1.098 ± 0.088 χ^2/NDF : 3122.3/60

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -63.832 ± 0.203 χ^2/NDF : 3917.6/21

Left Out: -54.701 ± 0.106 χ^2/NDF : 1124.5/24

Right Out: -65.639 ± 0.183 χ^2/NDF : 8048.9/25

Left In: -54.677 ± 0.109 χ^2/NDF : 1140.6/22

Left: -54.689 ± 0.076 χ^2/NDF : 2265.1/47

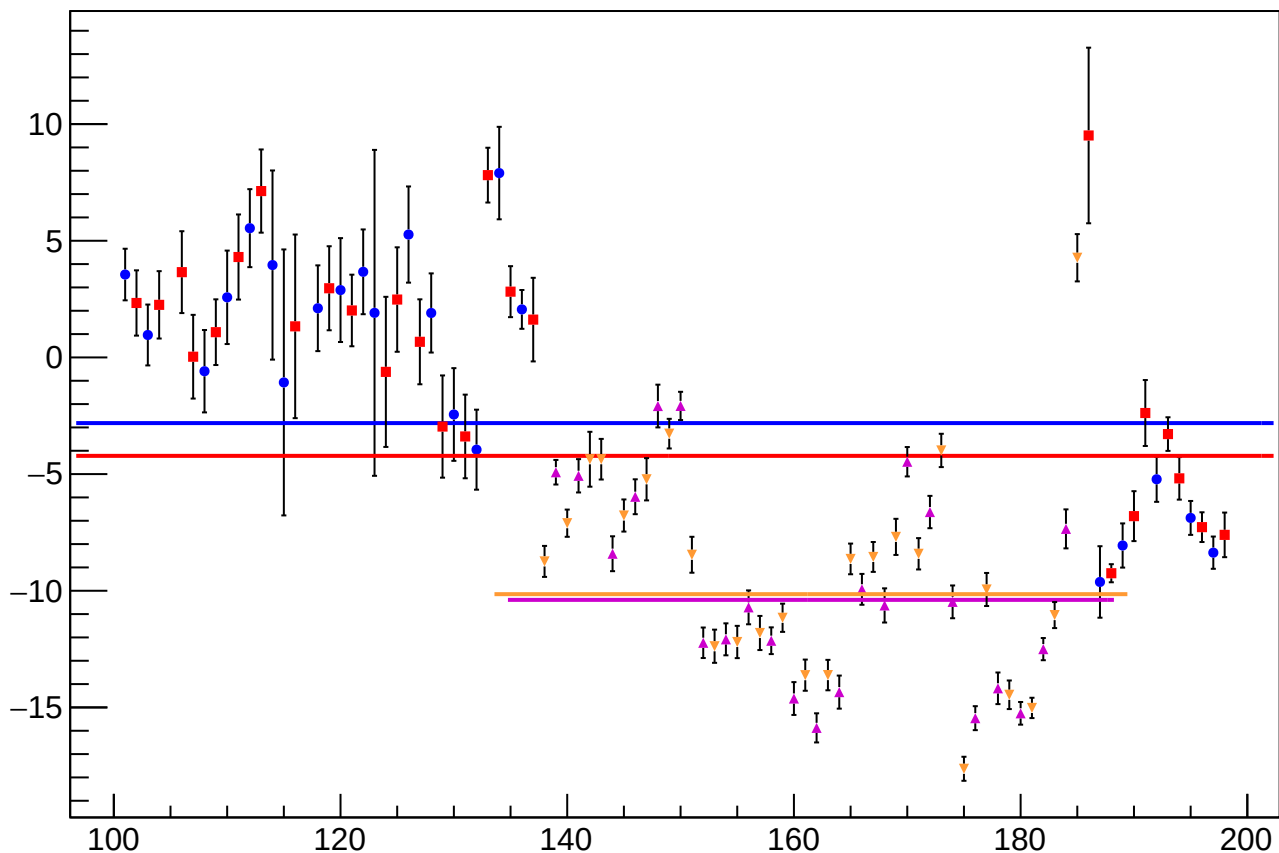
Right: -64.829 ± 0.136 χ^2/NDF : 12010.0/47

In: -56.733 ± 0.096 χ^2/NDF : 6629.3/44

Out: -57.441 ± 0.092 χ^2/NDF : 11841.8/50

All: -57.105 ± 0.066 χ^2/NDF : 18499.4/95

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.814 ± 0.280 χ^2/NDF : 344.7/21

Left Out: -10.146 ± 0.133 χ^2/NDF : 1051.2/24

Right Out: -4.218 ± 0.217 χ^2/NDF : 581.5/25

Left In: -10.391 ± 0.134 χ^2/NDF : 1024.8/22

Left: -10.268 ± 0.094 χ^2/NDF : 2077.6/47

Right: -3.694 ± 0.171 χ^2/NDF : 941.9/47

In: -8.987 ± 0.121 χ^2/NDF : 1964.3/44

Out: -8.521 ± 0.113 χ^2/NDF : 2176.7/50

All: -8.739 ± 0.083 χ^2/NDF : 4148.9/95

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.791 ± 0.234 χ^2/NDF : 6381.7/21

Left Out: -37.983 ± 0.119 χ^2/NDF : 936.9/24

Right Out: -26.034 ± 0.215 χ^2/NDF : 10447.5/25

Left In: -37.784 ± 0.122 χ^2/NDF : 1079.7/22

Left: -37.886 ± 0.085 χ^2/NDF : 2018.0/47

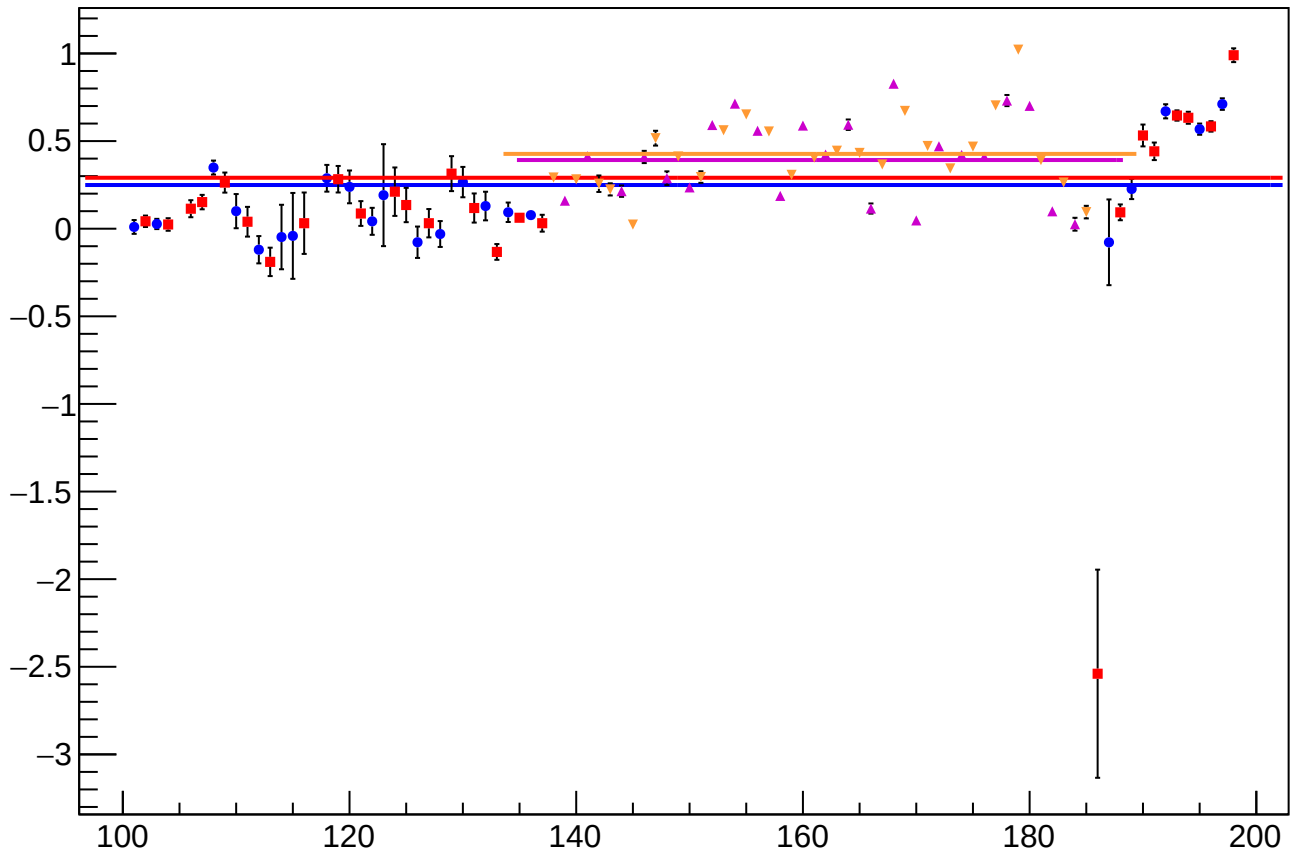
Right: -27.295 ± 0.158 χ^2/NDF : 16904.6/47

In: -35.863 ± 0.108 χ^2/NDF : 8624.1/44

Out: -35.175 ± 0.104 χ^2/NDF : 13754.0/50

All: -35.506 ± 0.075 χ^2/NDF : 22399.0/95

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.249 ± 0.011 $\chi^2/\text{NDF}: 641.3/21$

Left Out: 0.427 ± 0.005 $\chi^2/\text{NDF}: 1293.3/24$

Right Out: 0.291 ± 0.009 $\chi^2/\text{NDF}: 1127.0/25$

Left In: 0.392 ± 0.005 $\chi^2/\text{NDF}: 1835.6/22$

Left: 0.409 ± 0.004 $\chi^2/\text{NDF}: 3150.1/47$

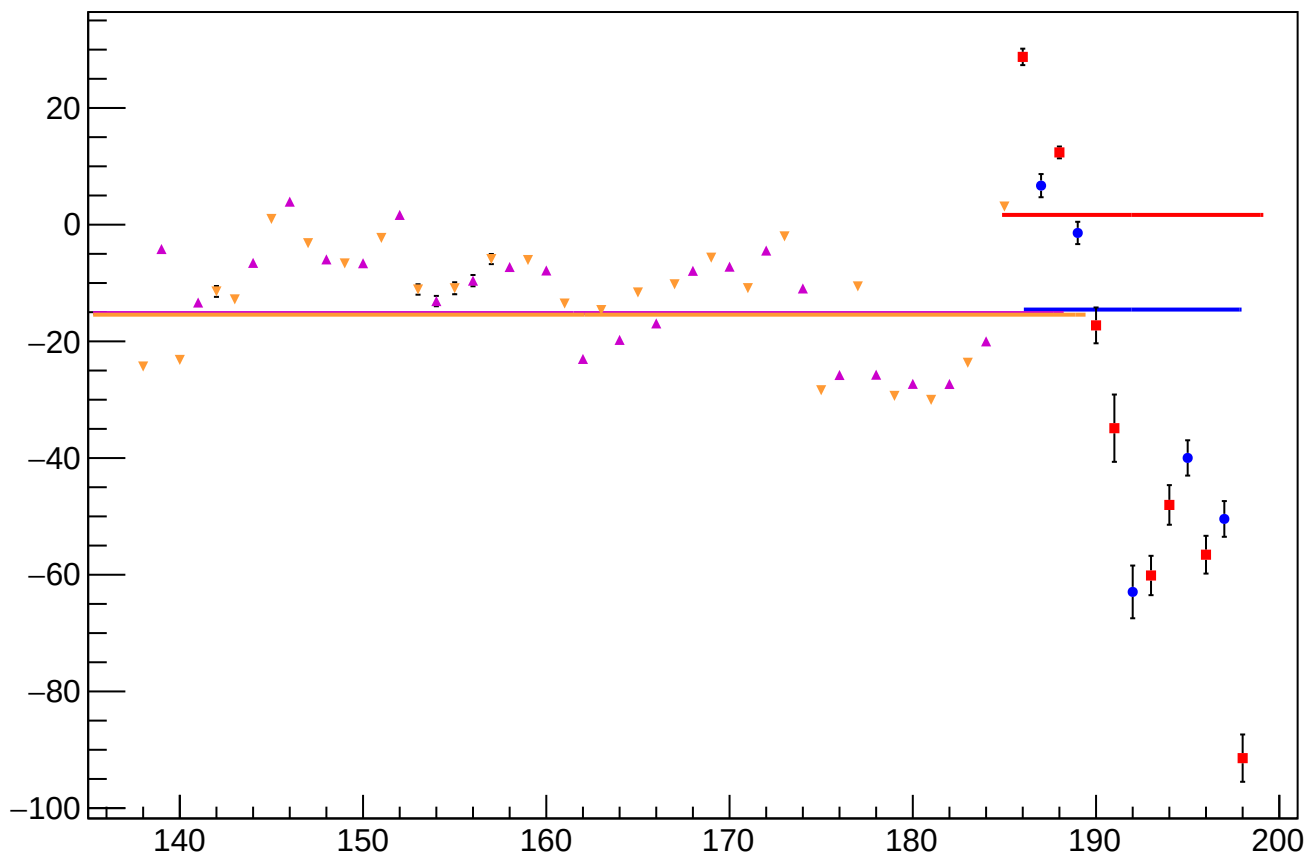
Right: 0.273 ± 0.007 $\chi^2/\text{NDF}: 1777.0/47$

In: 0.362 ± 0.005 $\chi^2/\text{NDF}: 2622.2/44$

Out: 0.393 ± 0.005 $\chi^2/\text{NDF}: 2581.2/50$

All: 0.378 ± 0.003 $\chi^2/\text{NDF}: 5223.9/95$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.551 ± 1.124 $\chi^2/\text{NDF}: 484.2/4$

Left Out: -15.427 ± 0.105 $\chi^2/\text{NDF}: 10499.6/24$

Right Out: 1.673 ± 0.717 $\chi^2/\text{NDF}: 1960.2/7$

Left In: -15.151 ± 0.106 $\chi^2/\text{NDF}: 8744.3/22$

Left: -15.290 ± 0.075 $\chi^2/\text{NDF}: 19247.4/47$

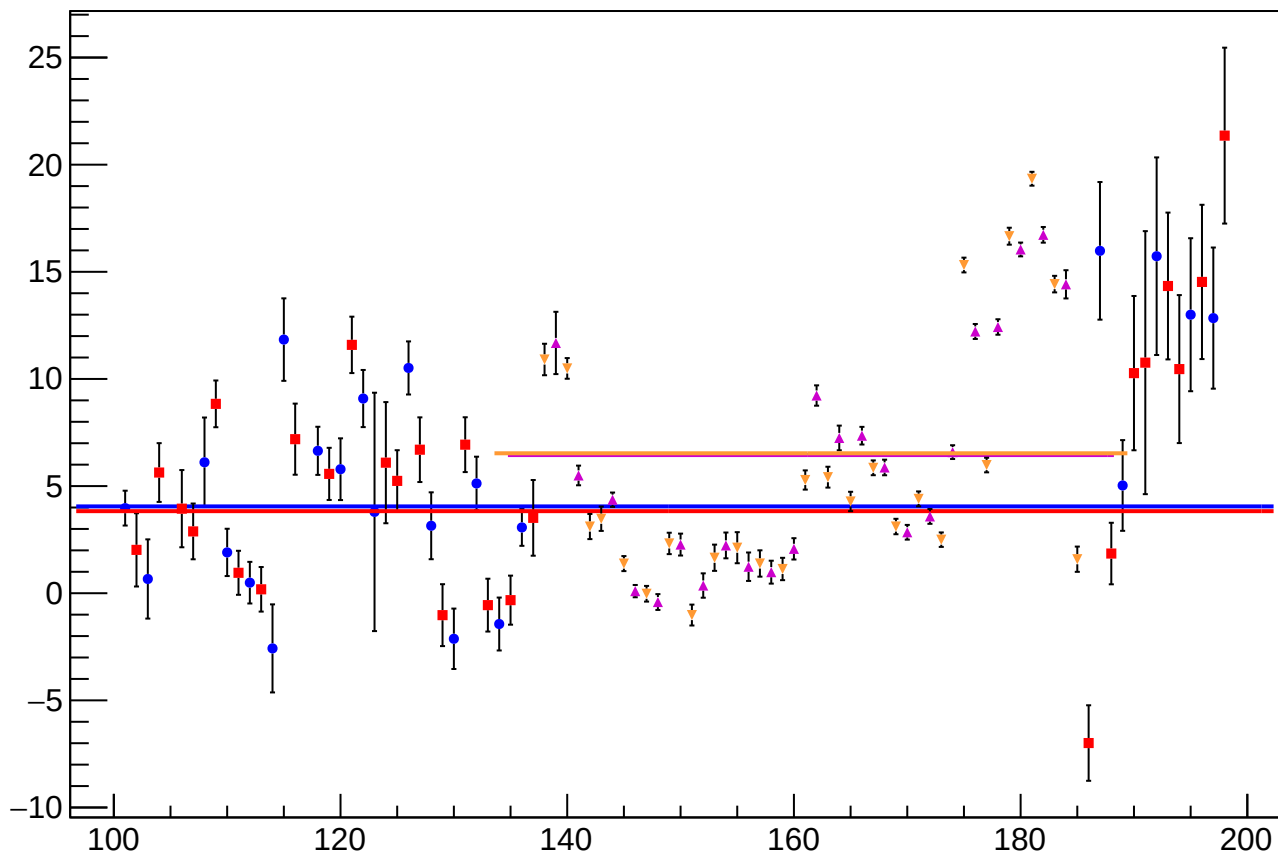
Right: -3.021 ± 0.604 $\chi^2/\text{NDF}: 2592.5/12$

In: -15.146 ± 0.106 $\chi^2/\text{NDF}: 9228.8/27$

Out: -15.066 ± 0.104 $\chi^2/\text{NDF}: 13016.6/32$

All: -15.105 ± 0.074 $\chi^2/\text{NDF}: 22245.7/60$

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.051 $\pm$ 0.301 χ^2 /NDF: 171.7/21

Left Out: 6.531 $\pm$ 0.086 χ^2 /NDF:4969.5/24

Right Out: 3.830 $\pm$ 0.299 χ^2 /NDF: 218.0/25

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

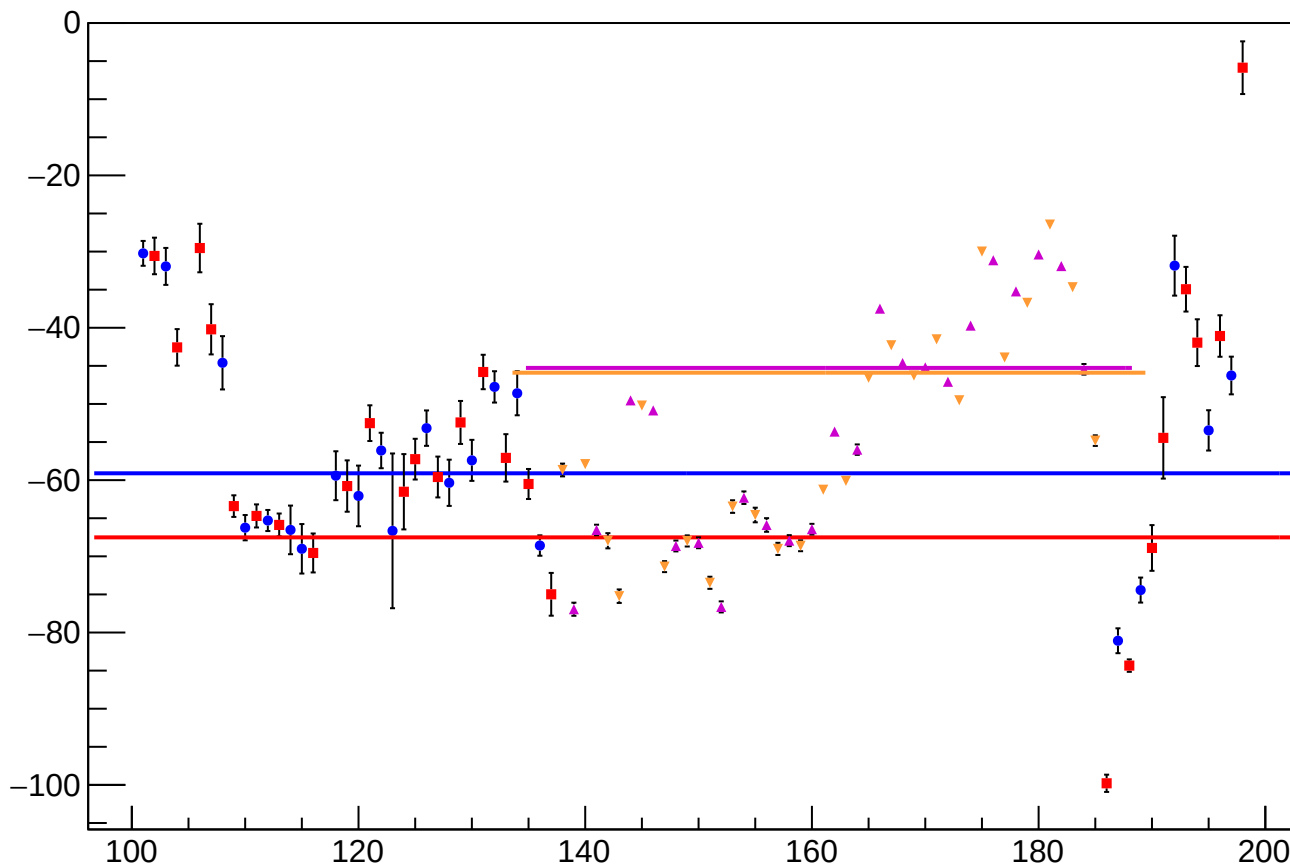
Right: 3.940 $\pm$ 0.212 χ^2 /NDF: 389.9/47

In: 6.268 $\pm$ 0.083 χ^2 /NDF:4186.0/44

Out: 6.326 $\pm$ 0.082 χ^2 /NDF:5263.0/50

All: 6.297 $\pm$ 0.058 χ^2 /NDF: 9449.2/95

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.101 ± 0.470 χ^2/NDF : 960.4/21

Left Out: -45.897 ± 0.106 χ^2/NDF : 17133.8/24

Right Out: -67.511 ± 0.397 χ^2/NDF : 2639.2/25

Left In: -45.268 ± 0.107 χ^2/NDF : 15775.7/22

Left: -45.584 ± 0.075 χ^2/NDF : 32927.0/47

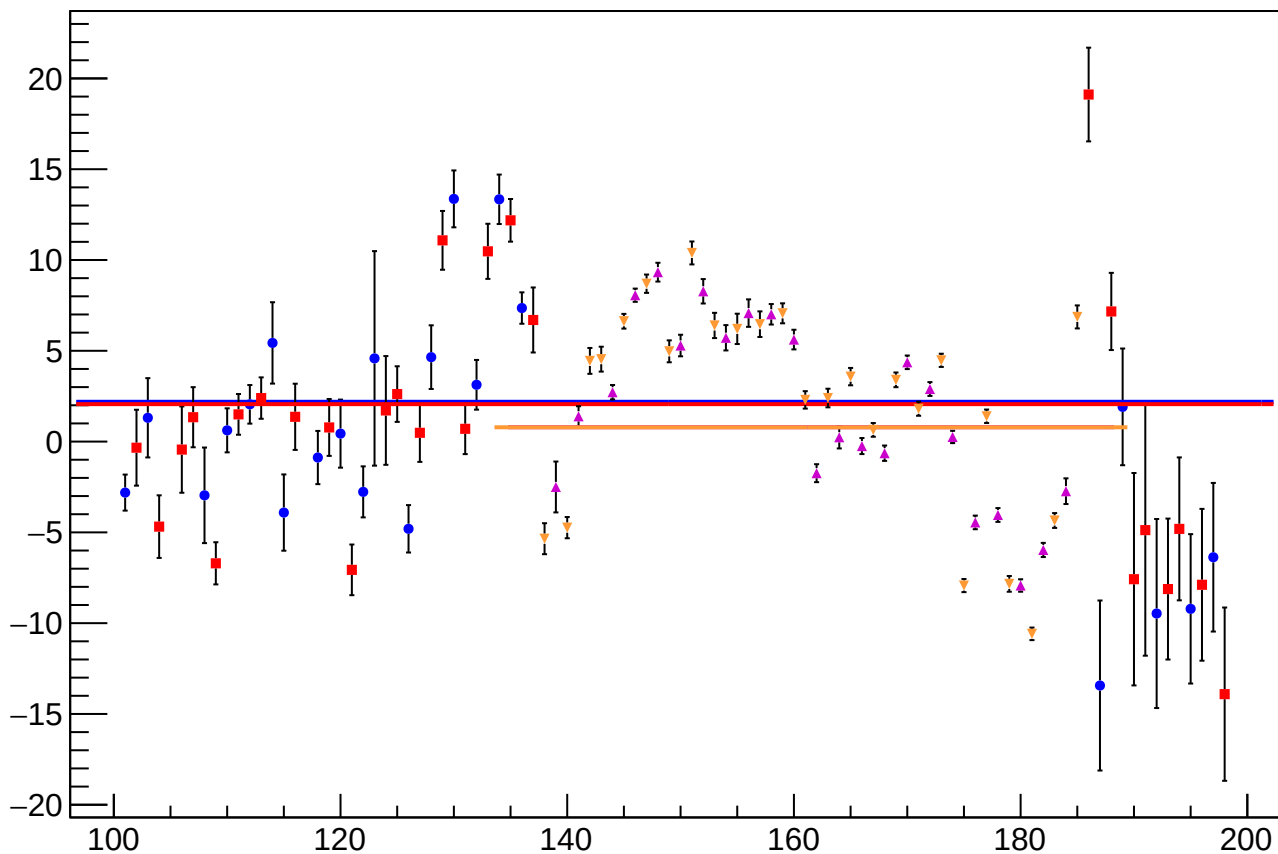
Right: -64.008 ± 0.303 χ^2/NDF : 3786.3/47

In: -45.946 ± 0.104 χ^2/NDF : 17559.0/44

Out: -47.342 ± 0.103 χ^2/NDF : 22534.7/50

All: -46.654 ± 0.073 χ^2/NDF : 40184.9/95

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.191 $\pm$ 0.340 χ^2 /NDF: 272.5/21

Left Out: 0.787 $\pm$ 0.096 χ^2 /NDF:3746.7/24

Right Out: 2.062 $\pm$ 0.341 χ^2 /NDF: 343.7/25

Left In: 0.791 $\pm$ 0.096 χ^2 /NDF:2697.7/22

Left: 0.789 $\pm$ 0.068 χ^2 /NDF: 6444.4/47

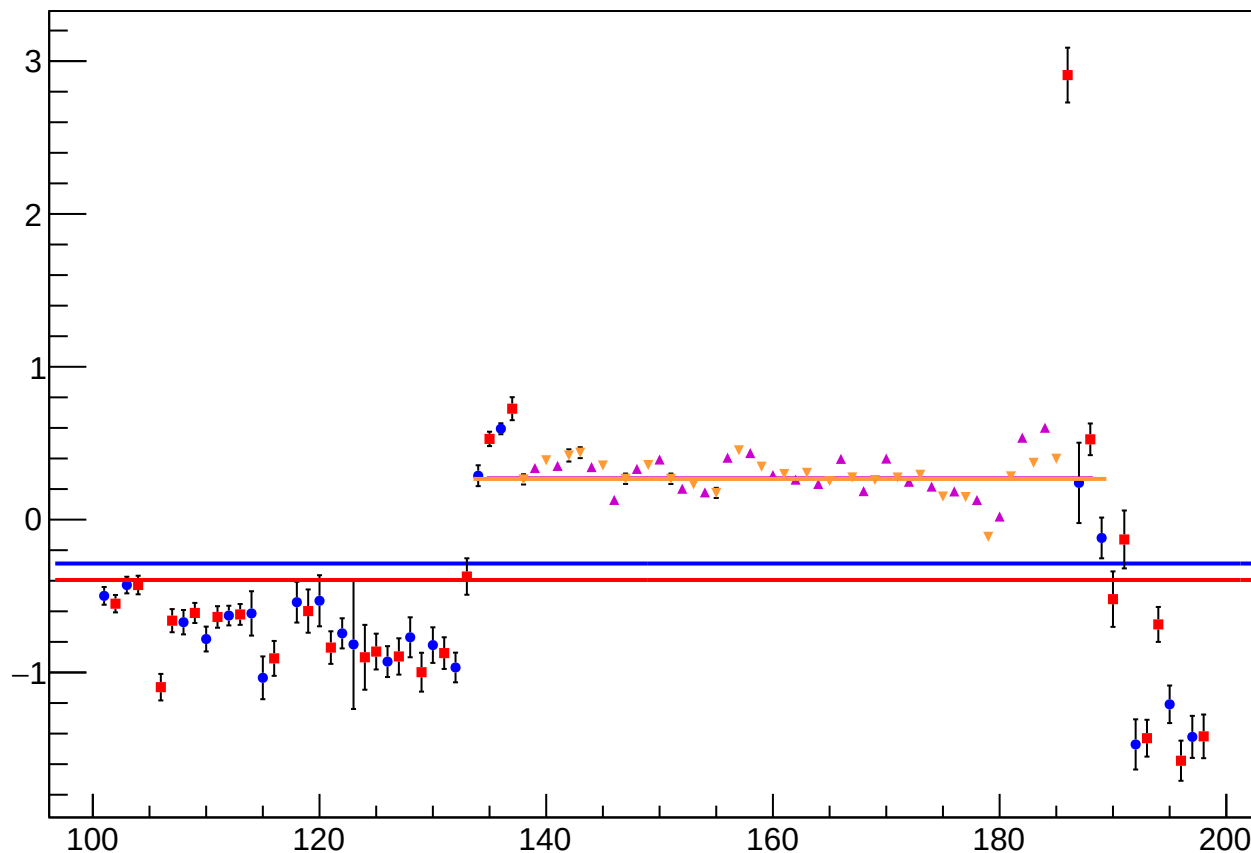
Right: 2.127 $\pm$ 0.241 χ^2 /NDF: 616.2/47

In: 0.895 $\pm$ 0.093 χ^2 /NDF:2985.9/44

Out: 0.879 $\pm$ 0.092 χ^2 /NDF:4103.4/50

All: 0.887 $\pm$ 0.065 χ^2 /NDF: 7089.3/95

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.018 χ^2/NDF : 1147.9/21

Left Out: 0.266 ± 0.004 χ^2/NDF : 698.1/24

Right Out: -0.395 ± 0.018 χ^2/NDF : 1480.6/25

Left In: 0.270 ± 0.004 χ^2/NDF : 973.5/22

Left: 0.268 ± 0.003 χ^2/NDF : 1672.0/47

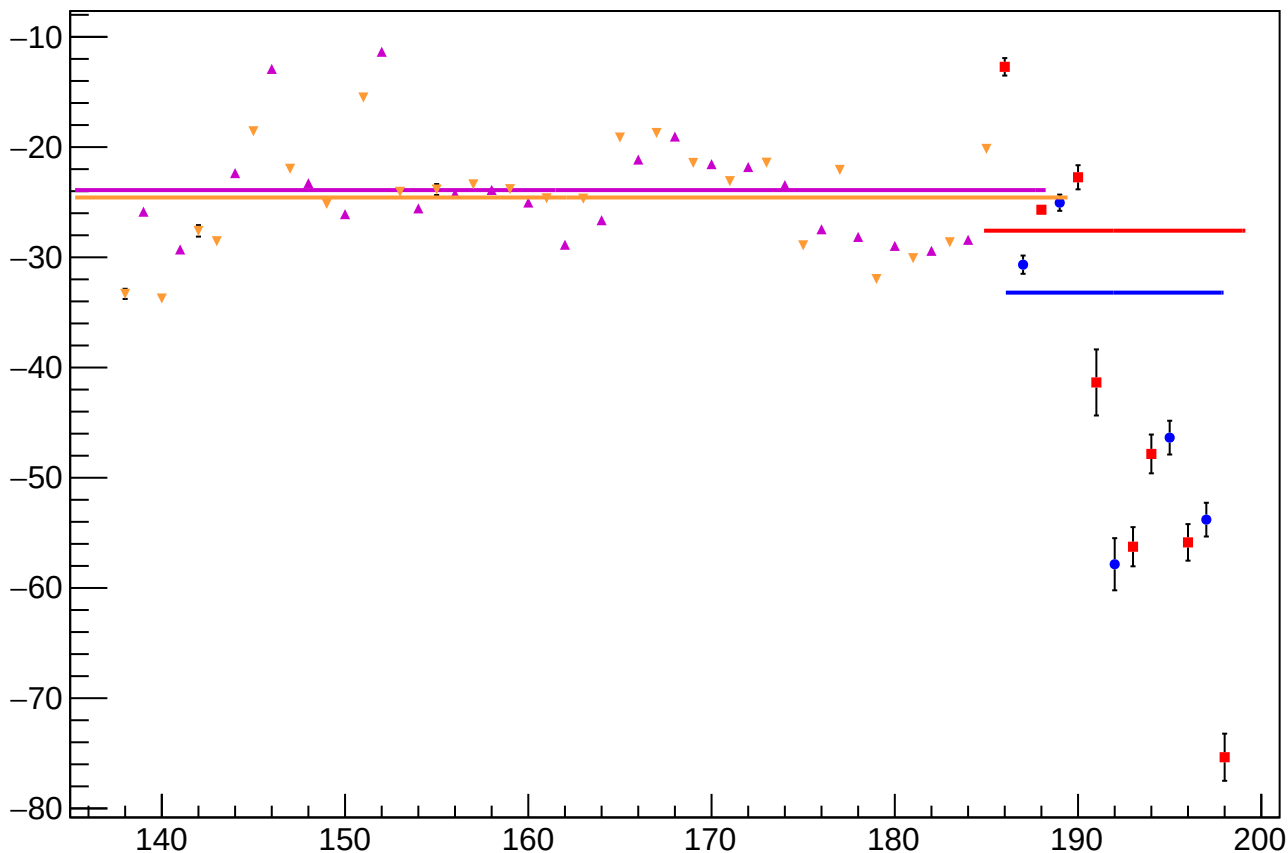
Right: -0.343 ± 0.013 χ^2/NDF : 2646.5/47

In: 0.239 ± 0.004 χ^2/NDF : 3012.4/44

Out: 0.228 ± 0.004 χ^2/NDF : 3499.2/50

All: 0.234 ± 0.003 χ^2/NDF : 6515.0/95

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.204 ± 0.480 $\chi^2/\text{NDF}: 495.6/4$
 Left Out: -24.571 ± 0.051 $\chi^2/\text{NDF}: 8610.0/24$
 Right Out: -27.584 ± 0.331 $\chi^2/\text{NDF}: 1593.9/7$
 Left In: -23.902 ± 0.051 $\chi^2/\text{NDF}: 9158.9/22$

Left: -24.236 ± 0.036 $\chi^2/\text{NDF}: 17855.2/47$

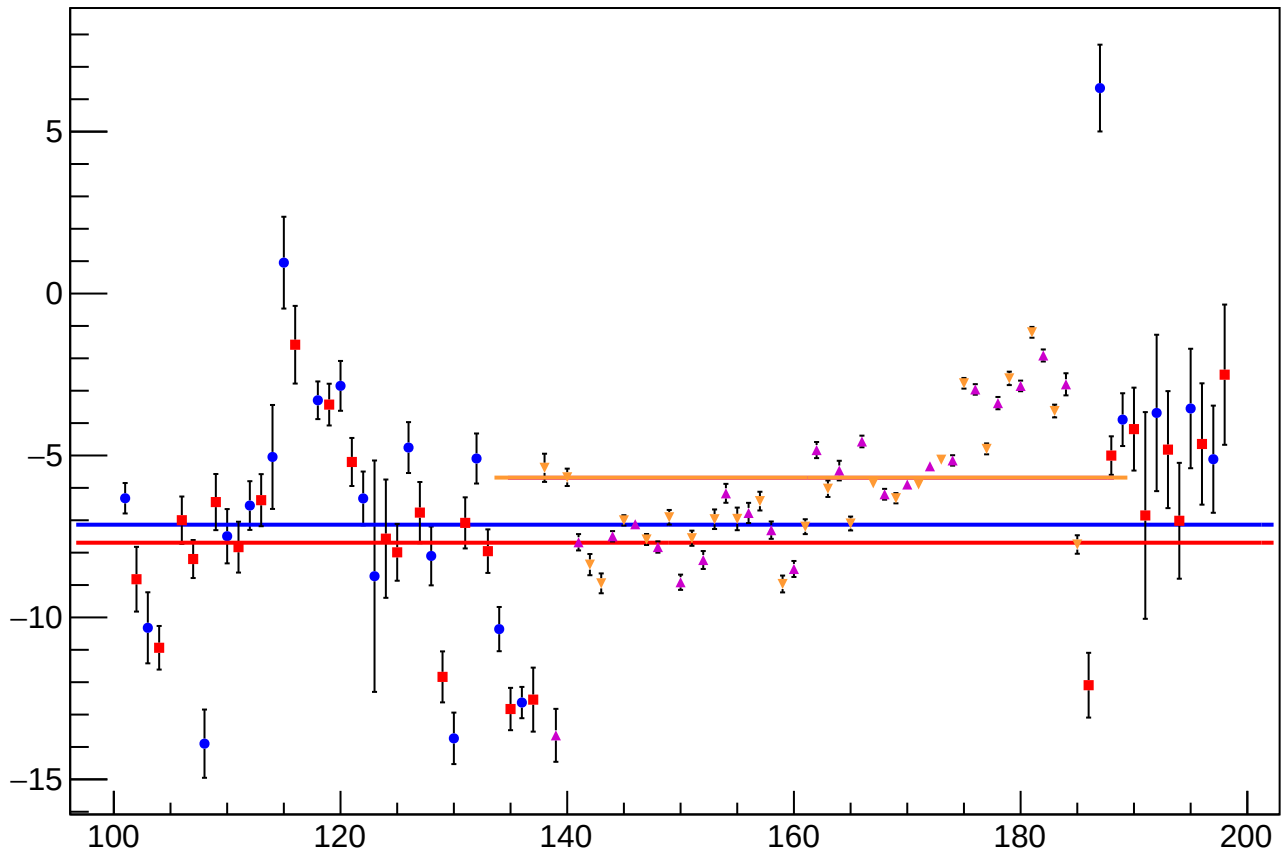
Right: -29.393 ± 0.272 $\chi^2/\text{NDF}: 2182.4/12$

In: -24.005 ± 0.051 $\chi^2/\text{NDF}: 10025.9/27$

Out: -24.641 ± 0.050 $\chi^2/\text{NDF}: 10284.9/32$

All: -24.324 ± 0.036 $\chi^2/\text{NDF}: 20390.1/60$

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.137 ± 0.177 χ^2/NDF : 525.6/21

Left Out: -5.683 ± 0.041 χ^2/NDF : 2231.0/24

Right Out: -7.693 ± 0.170 χ^2/NDF : 285.8/25

Left In: -5.690 ± 0.041 χ^2/NDF : 2328.2/22

Left: -5.686 ± 0.029 χ^2/NDF : 4559.2/47

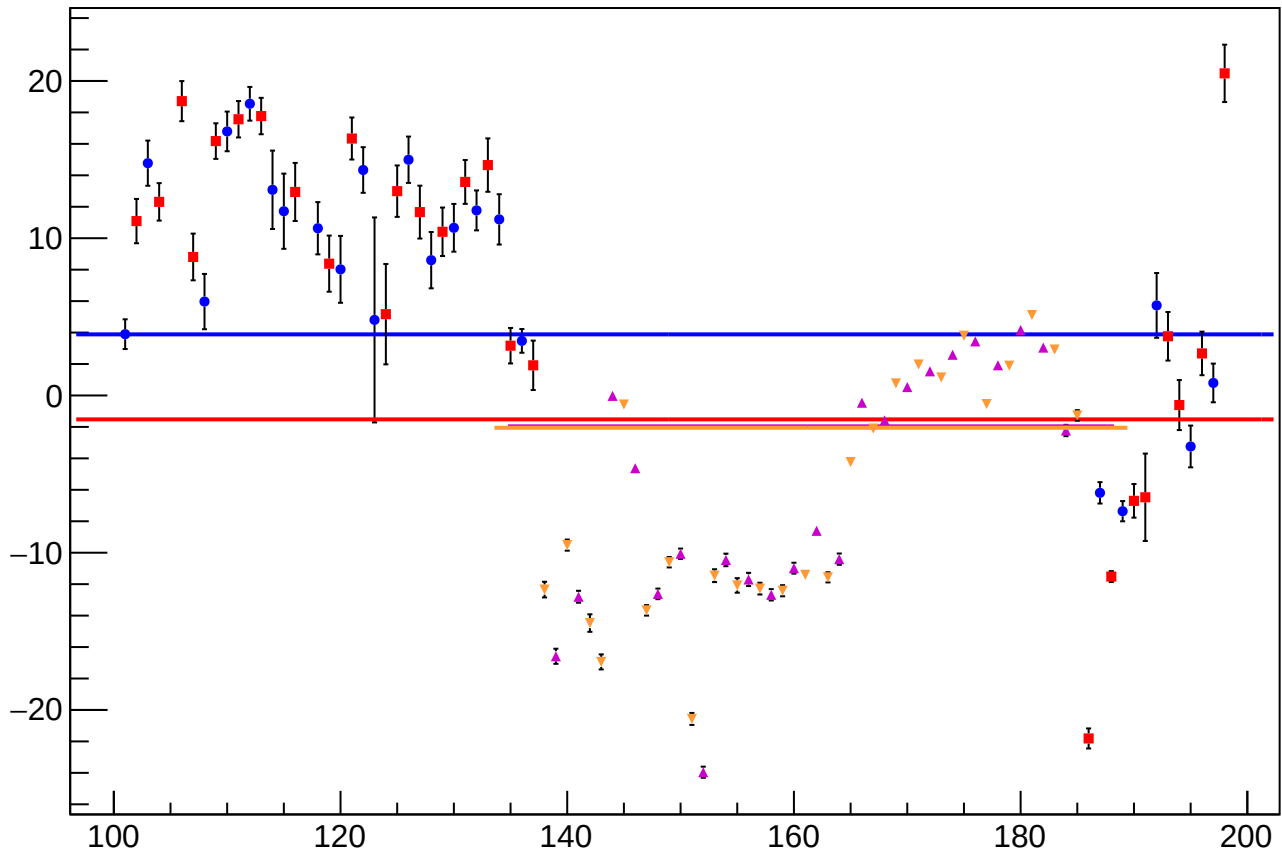
Right: -7.426 ± 0.123 χ^2/NDF : 816.4/47

In: -5.762 ± 0.040 χ^2/NDF : 2917.3/44

Out: -5.794 ± 0.040 χ^2/NDF : 2648.7/50

All: -5.778 ± 0.028 χ^2/NDF : 5566.3/95

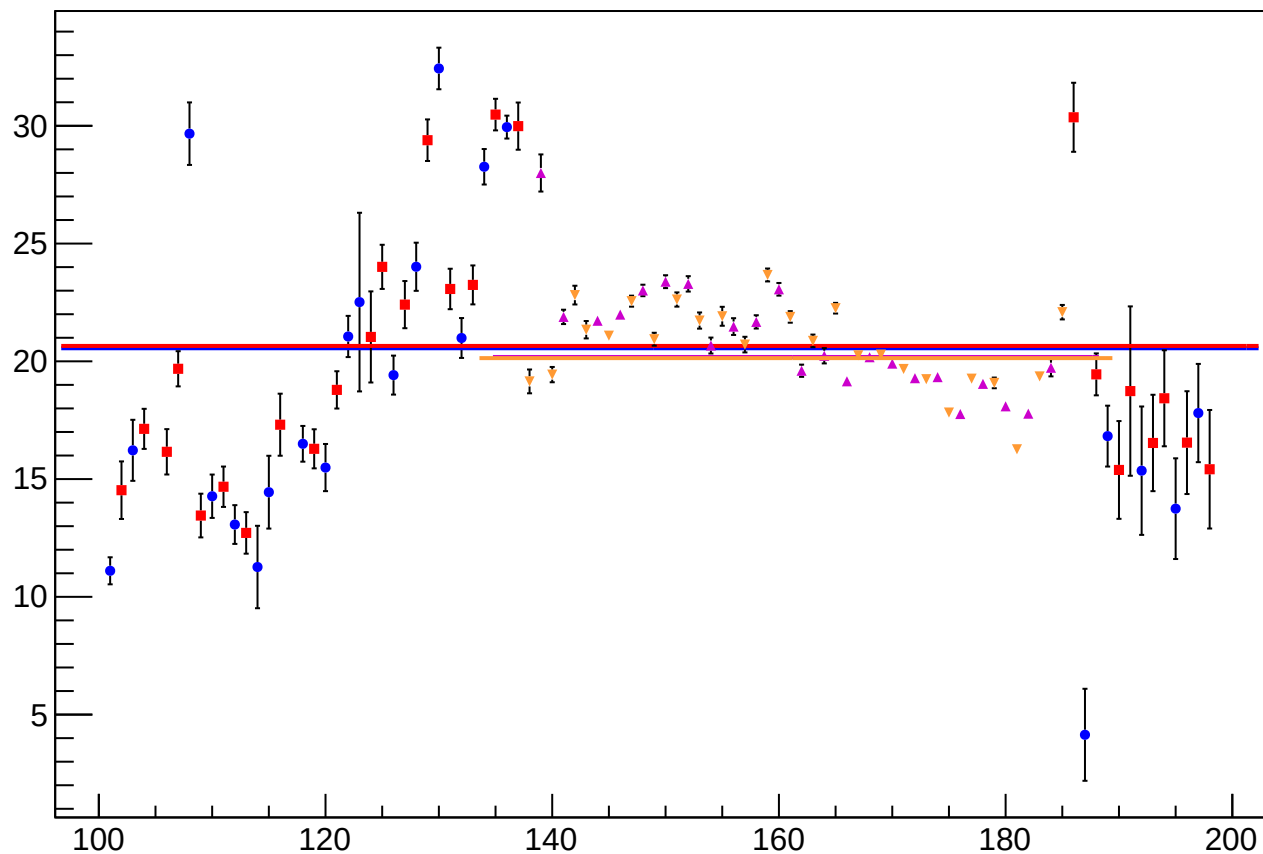
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.886 ± 0.259 $\chi^2/\text{NDF}: 1151.7/21$
 Left Out: -2.055 ± 0.051 $\chi^2/\text{NDF}: 16042.5/24$
 Right Out: -1.521 ± 0.211 $\chi^2/\text{NDF}: 4056.0/25$
 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: 0.632 ± 0.164 $\chi^2/\text{NDF}: 5469.1/47$
 In: -1.745 ± 0.050 $\chi^2/\text{NDF}: 17133.8/44$
 Out: -2.025 ± 0.050 $\chi^2/\text{NDF}: 20104.5/50$
 All: -1.885 ± 0.035 $\chi^2/\text{NDF}: 37254.1/95$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.555 $\pm$ 0.203 χ^2 /NDF: 1323.7/21

Left Out: 20.136 $\pm$ 0.046 χ^2 /NDF: 1414.2/24

Right Out: 20.654 $\pm$ 0.200 χ^2 /NDF: 794.0/25

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

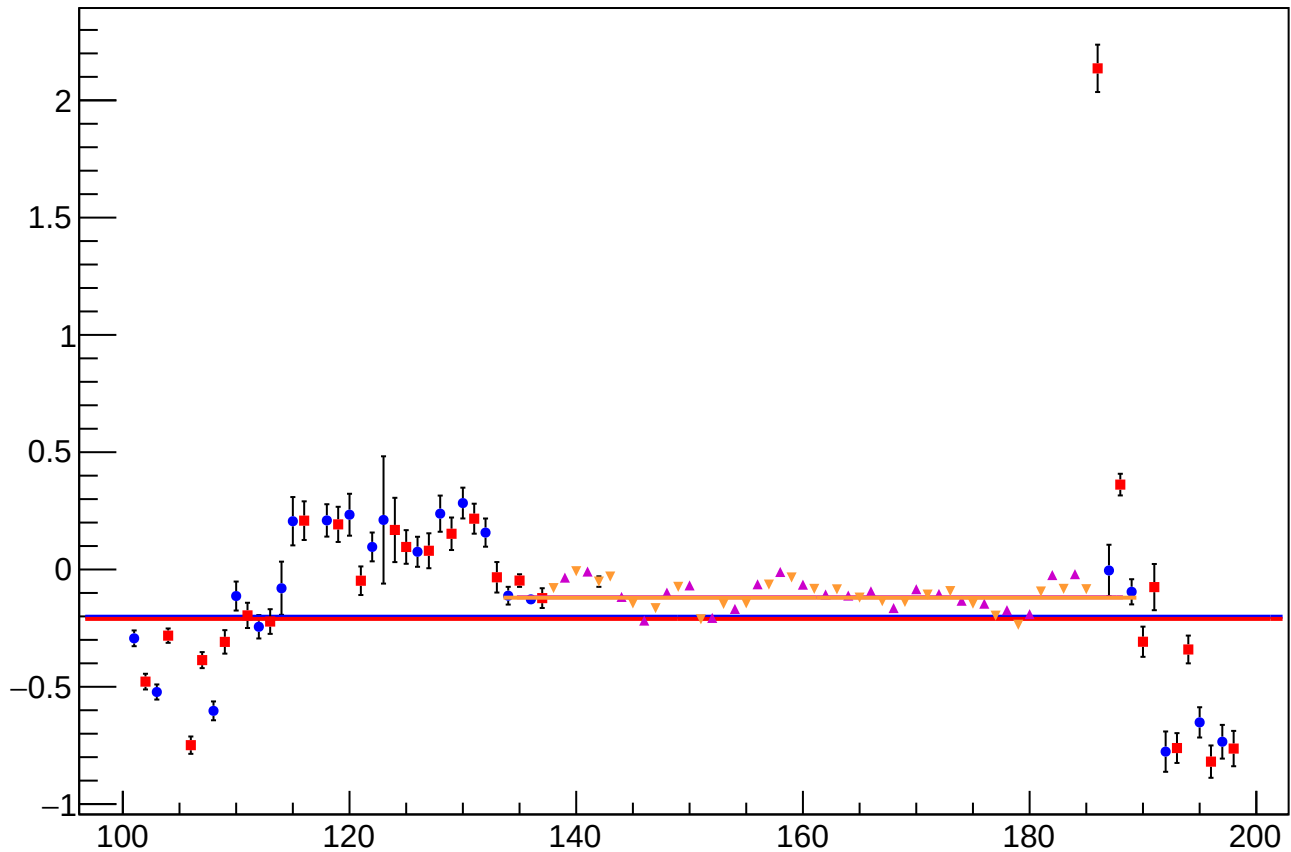
Right: 20.605 $\pm$ 0.143 χ^2 /NDF: 2117.9/47

In: 20.202 $\pm$ 0.045 χ^2 /NDF: 2797.6/44

Out: 20.162 $\pm$ 0.045 χ^2 /NDF: 2214.6/50

All: 20.182 $\pm$ 0.032 χ^2 /NDF: 5012.6/95

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.201 ± 0.011 χ^2/NDF : 626.8/21

Left Out: -0.120 ± 0.002 χ^2/NDF : 532.4/24

Right Out: -0.211 ± 0.010 χ^2/NDF : 1445.8/25

Left In: -0.118 ± 0.002 χ^2/NDF : 727.5/22

Left: -0.119 ± 0.001 χ^2/NDF : 1260.2/47

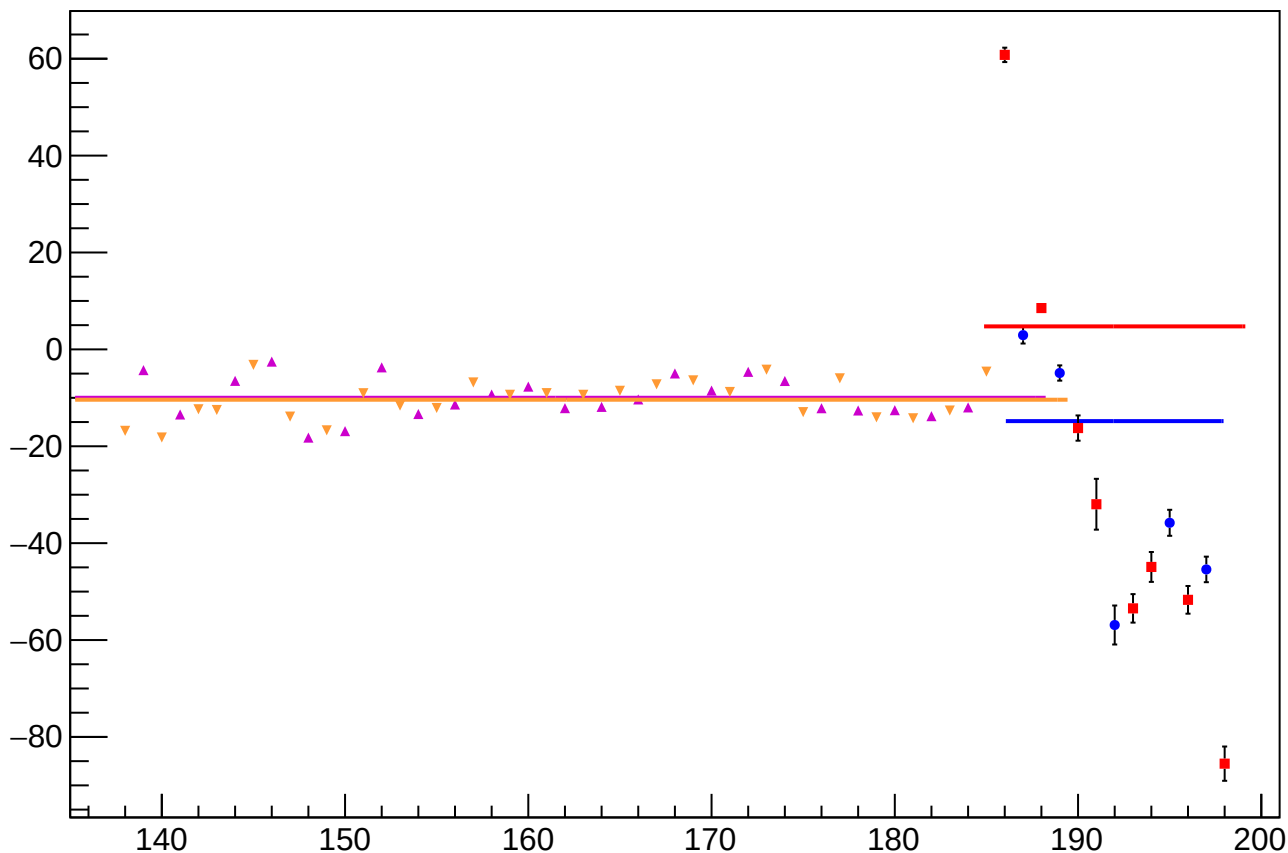
Right: -0.206 ± 0.007 χ^2/NDF : 2073.0/47

In: -0.122 ± 0.002 χ^2/NDF : 1413.6/44

Out: -0.124 ± 0.002 χ^2/NDF : 2057.7/50

All: -0.123 ± 0.001 χ^2/NDF : 3471.9/95

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected

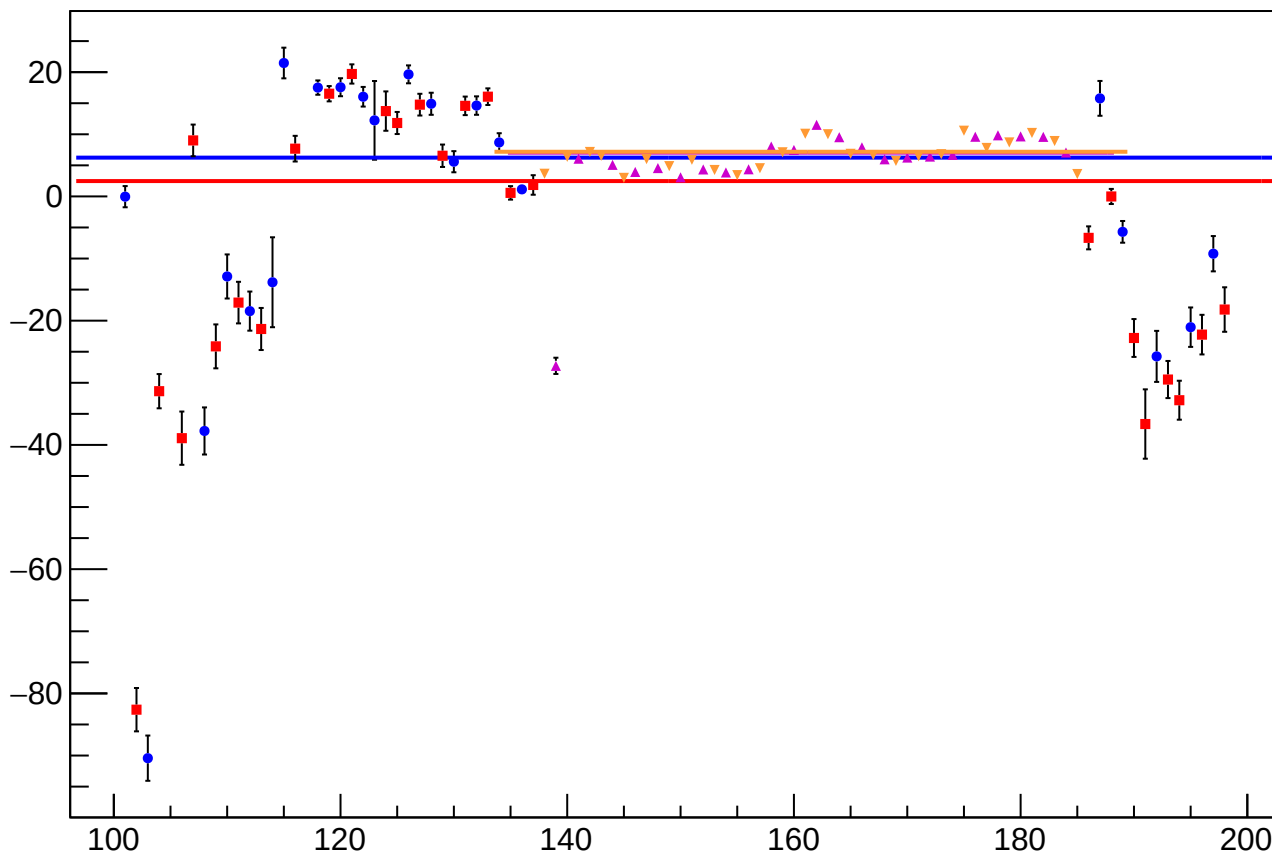


Right In: -14.807 ± 0.962 $\chi^2/\text{NDF}: 450.0/4$
 Left Out: -10.392 ± 0.088 $\chi^2/\text{NDF}: 2112.5/24$
 Right Out: 4.745 ± 0.644 $\chi^2/\text{NDF}: 3246.2/7$
 Left In: -9.990 ± 0.089 $\chi^2/\text{NDF}: 1794.2/22$

Left: -10.194 ± 0.063 $\chi^2/\text{NDF}: 3917.0/47$
 Right: -1.300 ± 0.535 $\chi^2/\text{NDF}: 3981.6/12$
 In: -10.031 ± 0.089 $\chi^2/\text{NDF}: 2269.0/27$
 Out: -10.115 ± 0.087 $\chi^2/\text{NDF}: 5901.7/32$

All: -10.074 ± 0.062 $\chi^2/\text{NDF}: 8171.2/60$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.242 ± 0.381 χ^2/NDF : 1594.7/21

Left Out: 7.187 ± 0.074 χ^2/NDF : 916.3/24

Right Out: 2.469 ± 0.384 χ^2/NDF : 1993.0/25

Left In: 7.043 ± 0.074 χ^2/NDF : 1604.6/22

Left: 7.115 ± 0.052 χ^2/NDF : 2522.8/47

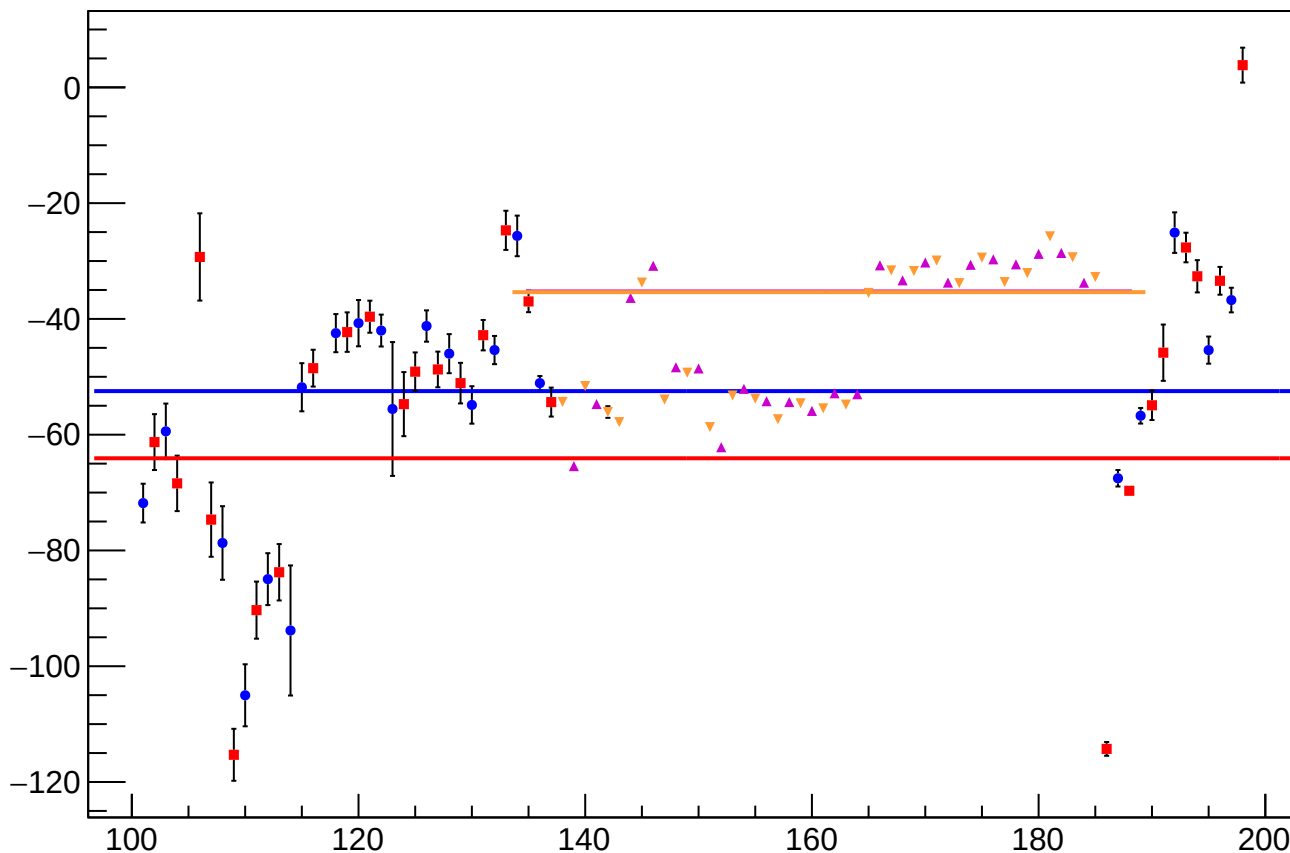
Right: 4.370 ± 0.270 χ^2/NDF : 3636.5/47

In: 7.014 ± 0.073 χ^2/NDF : 3203.6/44

Out: 7.020 ± 0.072 χ^2/NDF : 3055.3/50

All: 7.017 ± 0.051 χ^2/NDF : 6258.8/95

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.471 $\pm$ 0.545 χ^2 /NDF: 583.6/21

Left Out: -35.377 $\pm$ 0.089 χ^2 /NDF:12628.3/24

Right Out: -64.077 $\pm$ 0.442 χ^2 /NDF: 3711.2/25

Left In: -35.260 $\pm$ 0.090 χ^2 /NDF:11769.2/22

Left: -35.319 $\pm$ 0.063 χ^2 /NDF: 24398.4/47

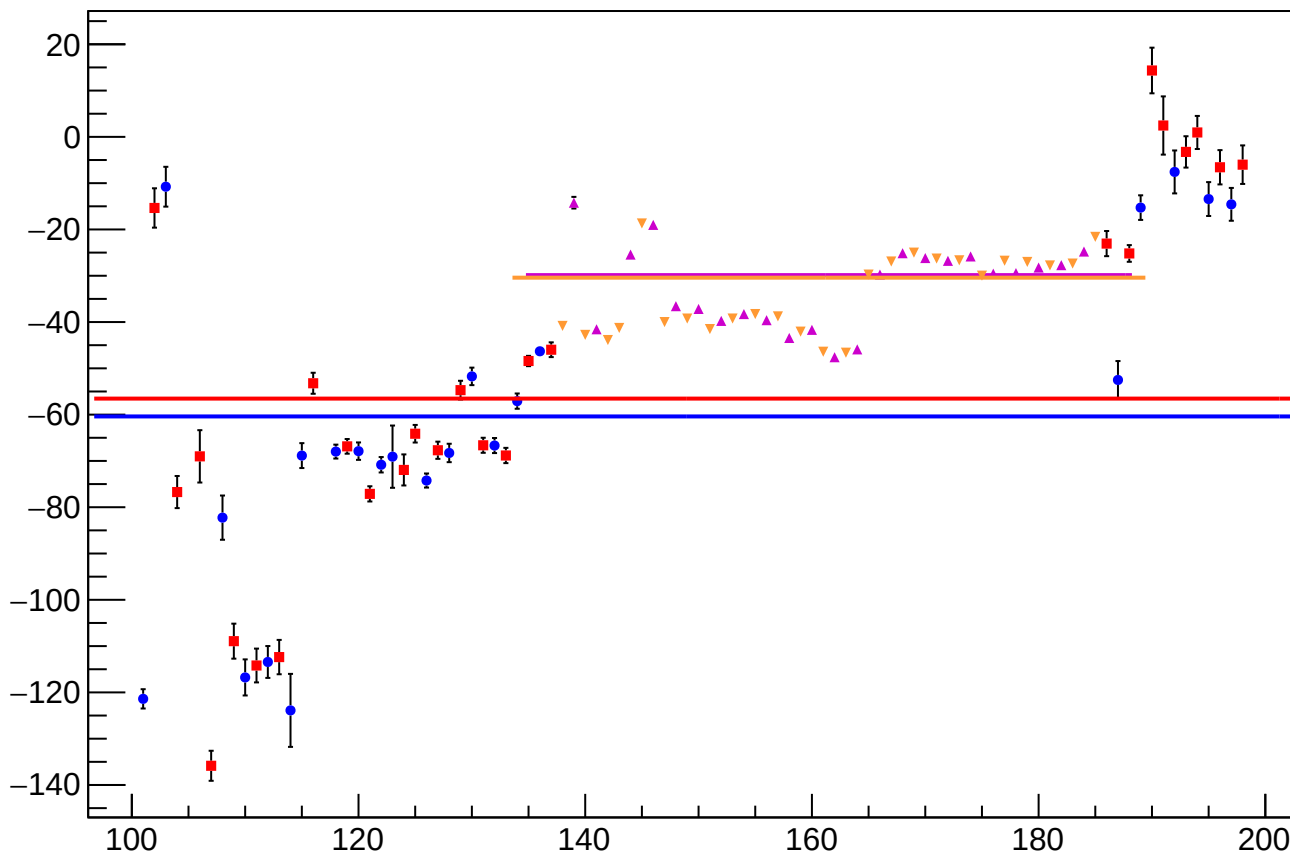
Right: -59.476 $\pm$ 0.343 χ^2 /NDF: 4568.4/47

In: -35.714 $\pm$ 0.089 χ^2 /NDF:13323.2/44

Out: -36.498 $\pm$ 0.087 χ^2 /NDF:20394.8/50

All: -36.112 $\pm$ 0.062 χ^2 /NDF: 33757.7/95

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -60.390 ± 0.429 $\chi^2/\text{NDF}: 2821.7/21$

Left Out: -30.415 ± 0.082 $\chi^2/\text{NDF}: 8132.2/24$

Right Out: -56.536 ± 0.443 $\chi^2/\text{NDF}: 3449.3/25$

Left In: -29.863 ± 0.082 $\chi^2/\text{NDF}: 7145.9/22$

Left: -30.141 ± 0.058 $\chi^2/\text{NDF}: 15300.8/47$

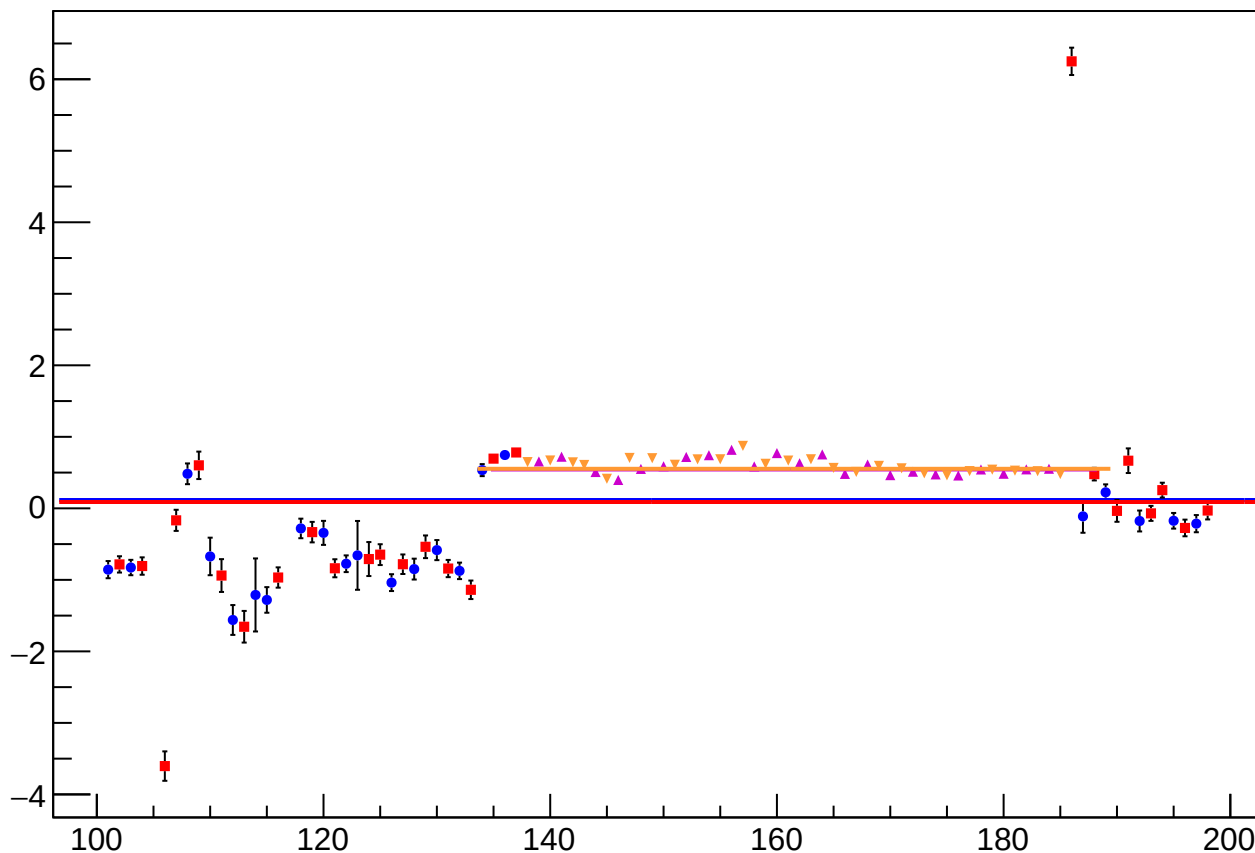
Right: -58.526 ± 0.308 $\chi^2/\text{NDF}: 6310.0/47$

In: -30.948 ± 0.081 $\chi^2/\text{NDF}: 14860.5/44$

Out: -31.273 ± 0.080 $\chi^2/\text{NDF}: 14945.1/50$

All: -31.111 ± 0.057 $\chi^2/\text{NDF}: 29813.8/95$

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.116 $\pm$ 0.022 χ^2 /NDF: 1012.3/21

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF:542.9/24

Right Out: 0.089 $\pm$ 0.022 χ^2 /NDF: 2264.8/25

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

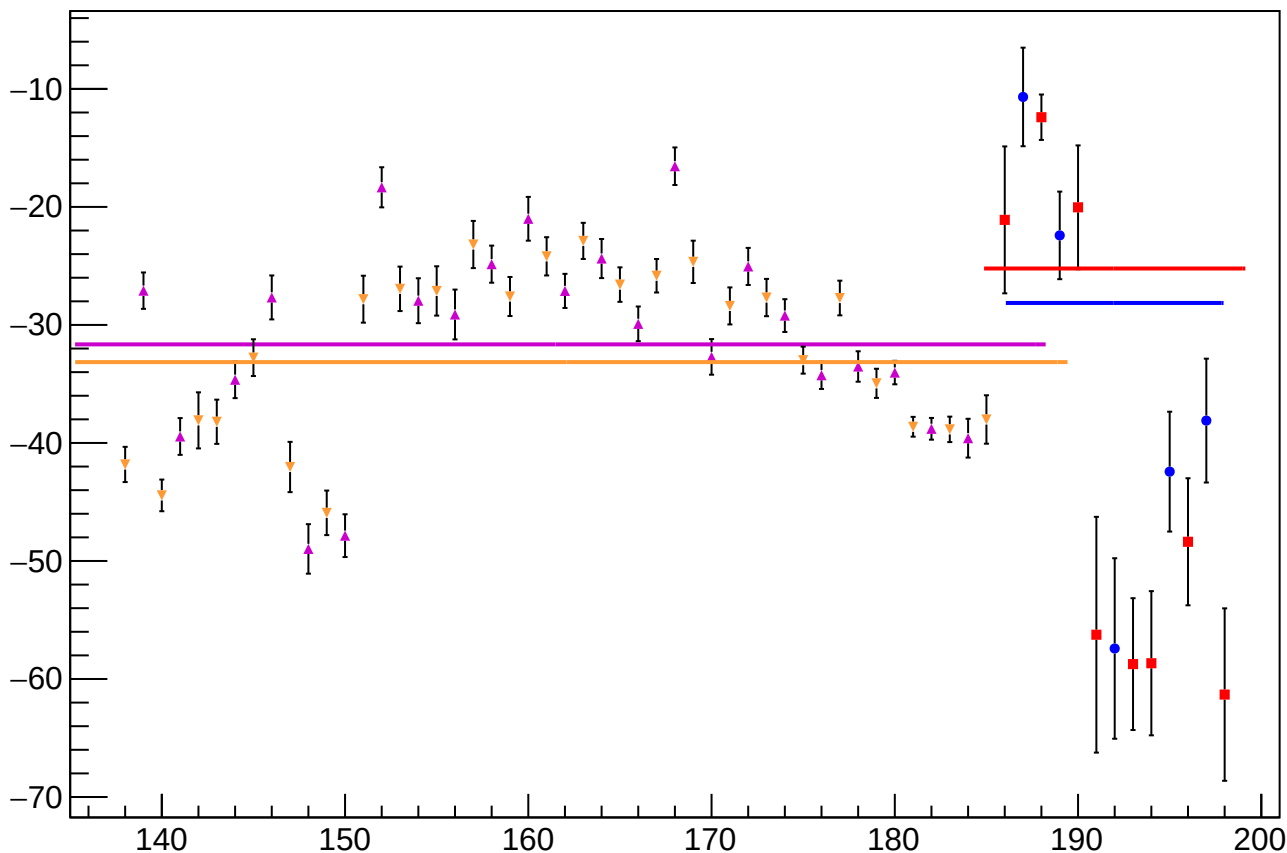
Right: 0.103 $\pm$ 0.016 χ^2 /NDF: 3277.9/47

In: 0.532 $\pm$ 0.004 χ^2 /NDF:2032.9/44

Out: 0.540 $\pm$ 0.004 χ^2 /NDF:3228.3/50

All: 0.536 $\pm$ 0.003 χ^2 /NDF: 5264.1/95

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.137 ± 2.121 χ^2/NDF : 46.0/4
 Left Out: -33.148 ± 0.301 χ^2/NDF : 500.0/24
 Right Out: -25.218 ± 1.483 χ^2/NDF : 164.4/7
 Left In: -31.647 ± 0.308 χ^2/NDF : 546.9/22

Left: -32.414 ± 0.215 χ^2/NDF : 1059.0/47
 Right: -26.177 ± 1.216 χ^2/NDF : 211.7/12

In: -31.575 ± 0.304 χ^2/NDF : 595.6/27
 Out: -32.835 ± 0.295 χ^2/NDF : 691.8/32

All: -32.225 ± 0.212 χ^2/NDF : 1296.3/60

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -49.717 ± 0.695 $\chi^2/\text{NDF}: 1515.9/21$

Left Out: -34.256 ± 0.242 $\chi^2/\text{NDF}: 693.3/24$

Right Out: -54.473 ± 0.708 $\chi^2/\text{NDF}: 2431.8/25$

Left In: -34.189 ± 0.250 $\chi^2/\text{NDF}: 1546.1/22$

Left: -34.224 ± 0.174 $\chi^2/\text{NDF}: 2239.5/47$

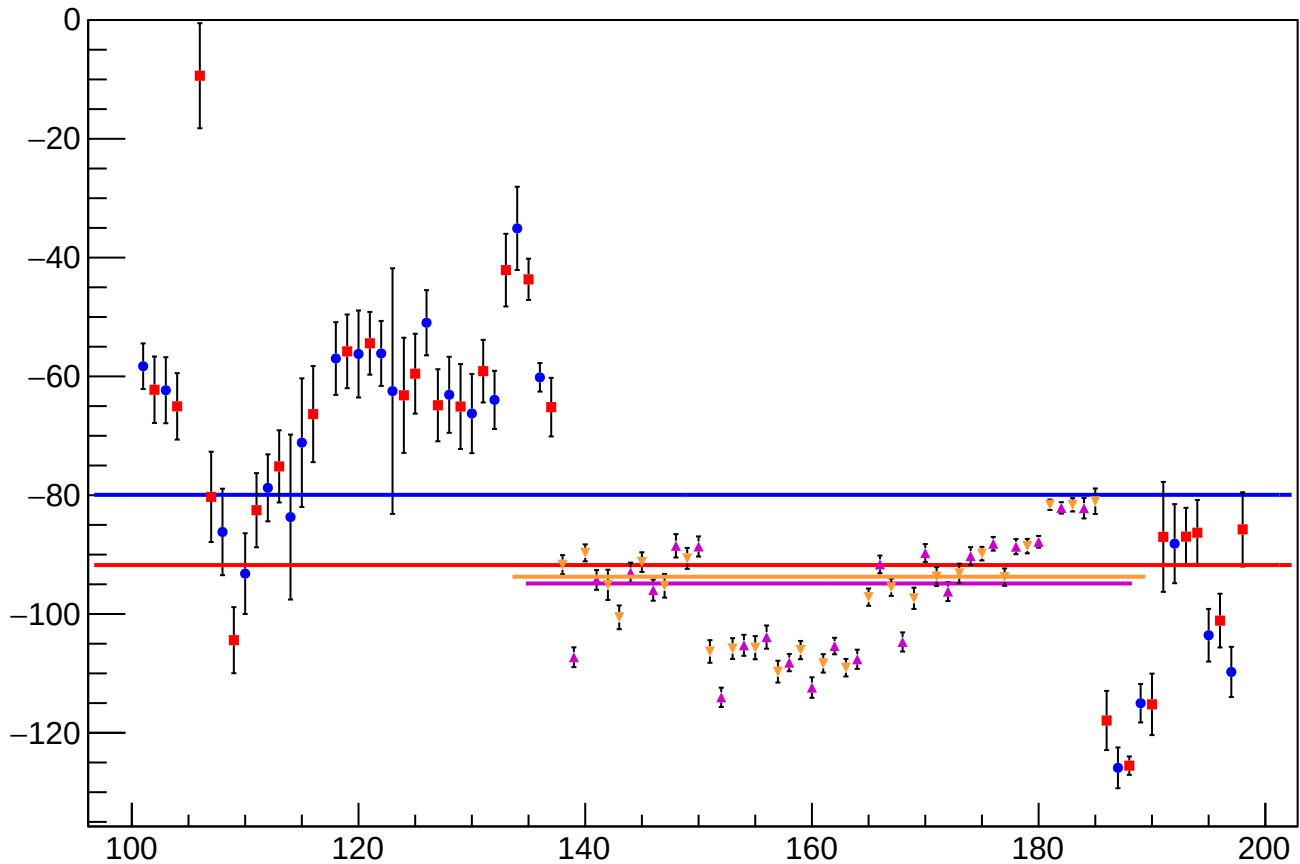
Right: -52.052 ± 0.496 $\chi^2/\text{NDF}: 3970.7/47$

In: -35.971 ± 0.235 $\chi^2/\text{NDF}: 3504.0/44$

Out: -36.374 ± 0.229 $\chi^2/\text{NDF}: 3855.6/50$

All: -36.178 ± 0.164 $\chi^2/\text{NDF}: 7361.2/95$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -79.936 ± 1.059 $\chi^2/\text{NDF}: 626.4/21$

Left Out: -93.719 ± 0.302 $\chi^2/\text{NDF}: 878.2/24$

Right Out: -91.761 ± 0.922 $\chi^2/\text{NDF}: 1167.7/25$

Left In: -94.861 ± 0.307 $\chi^2/\text{NDF}: 985.5/22$

Left: -94.280 ± 0.215 $\chi^2/\text{NDF}: 1870.7/47$

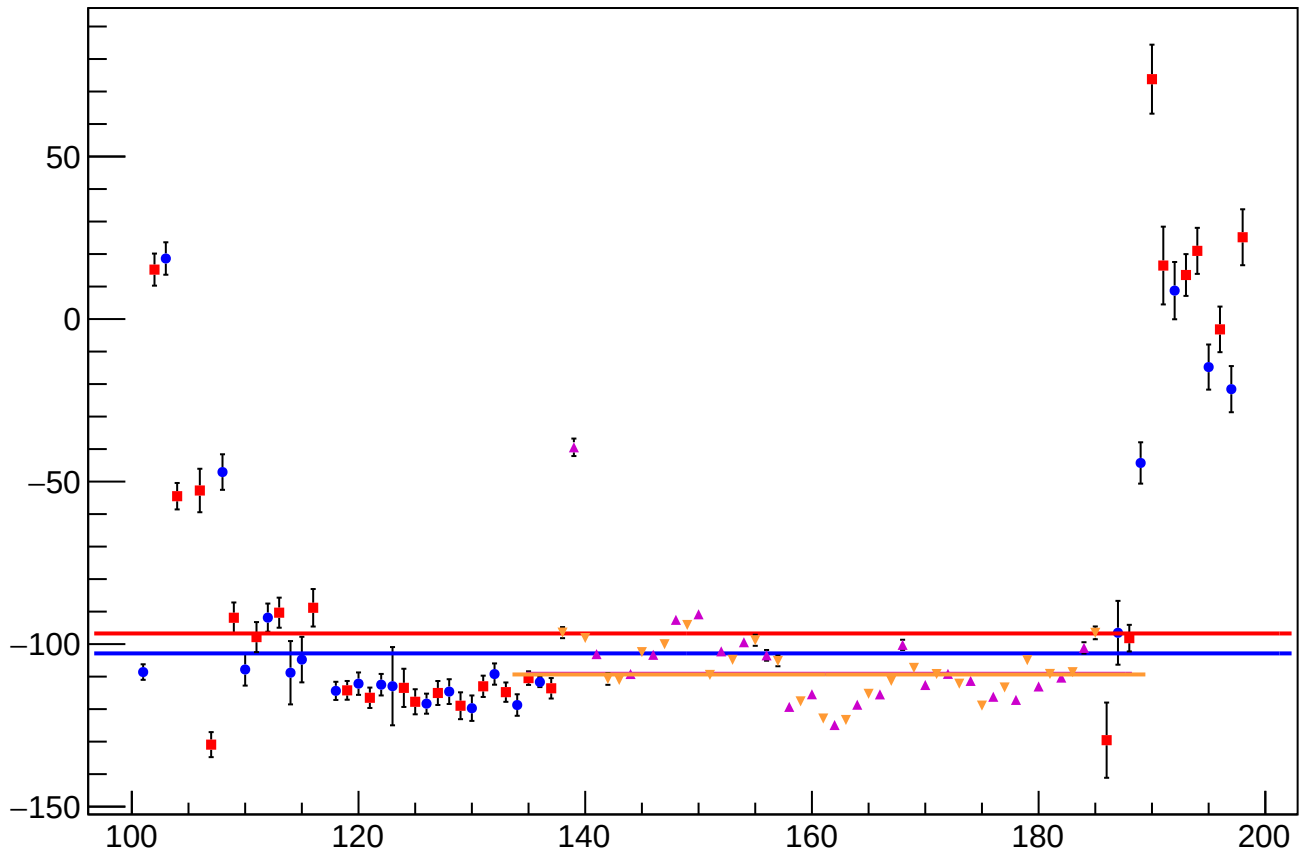
Right: -86.663 ± 0.695 $\chi^2/\text{NDF}: 1865.0/47$

In: -93.701 ± 0.295 $\chi^2/\text{NDF}: 1795.2/44$

Out: -93.529 ± 0.287 $\chi^2/\text{NDF}: 2049.9/50$

All: -93.612 ± 0.206 $\chi^2/\text{NDF}: 3845.3/95$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -102.858 ± 0.789 $\chi^2/\text{NDF}: 1393.2/21$

Left Out: -109.338 ± 0.272 $\chi^2/\text{NDF}: 826.2/24$

Right Out: -96.724 ± 0.815 $\chi^2/\text{NDF}: 2355.4/25$

Left In: -109.126 ± 0.279 $\chi^2/\text{NDF}: 1578.7/22$

Left: -109.235 ± 0.195 $\chi^2/\text{NDF}: 2405.2/47$

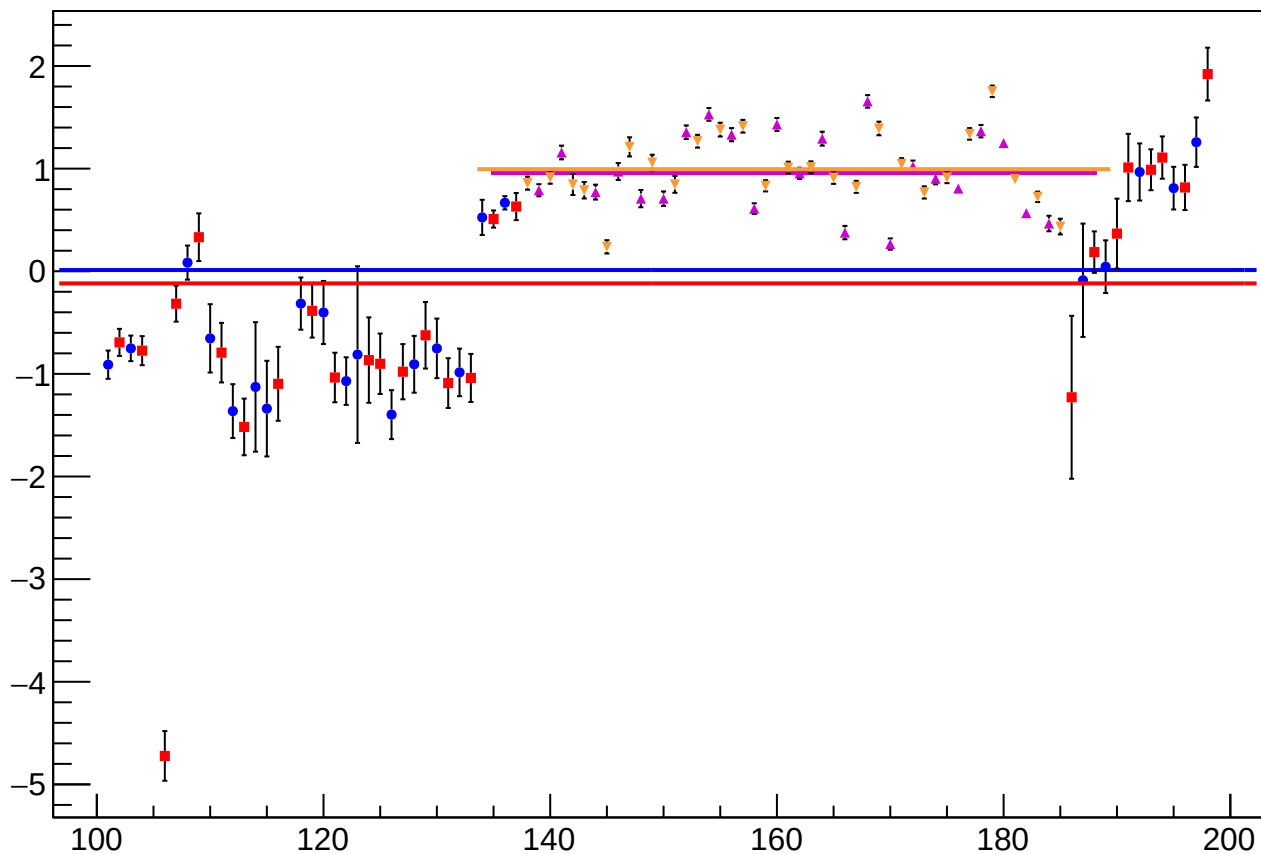
Right: -99.890 ± 0.567 $\chi^2/\text{NDF}: 3777.8/47$

In: -108.429 ± 0.263 $\chi^2/\text{NDF}: 3028.0/44$

Out: -108.074 ± 0.258 $\chi^2/\text{NDF}: 3397.3/50$

All: -108.248 ± 0.184 $\chi^2/\text{NDF}: 6426.3/95$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.012 ± 0.040 χ^2/NDF : 387.2/21

Left Out: 0.995 ± 0.012 χ^2/NDF : 635.3/24

Right Out: -0.118 ± 0.039 χ^2/NDF : 768.7/25

Left In: 0.957 ± 0.013 χ^2/NDF : 896.5/22

Left: 0.976 ± 0.009 χ^2/NDF : 1536.3/47

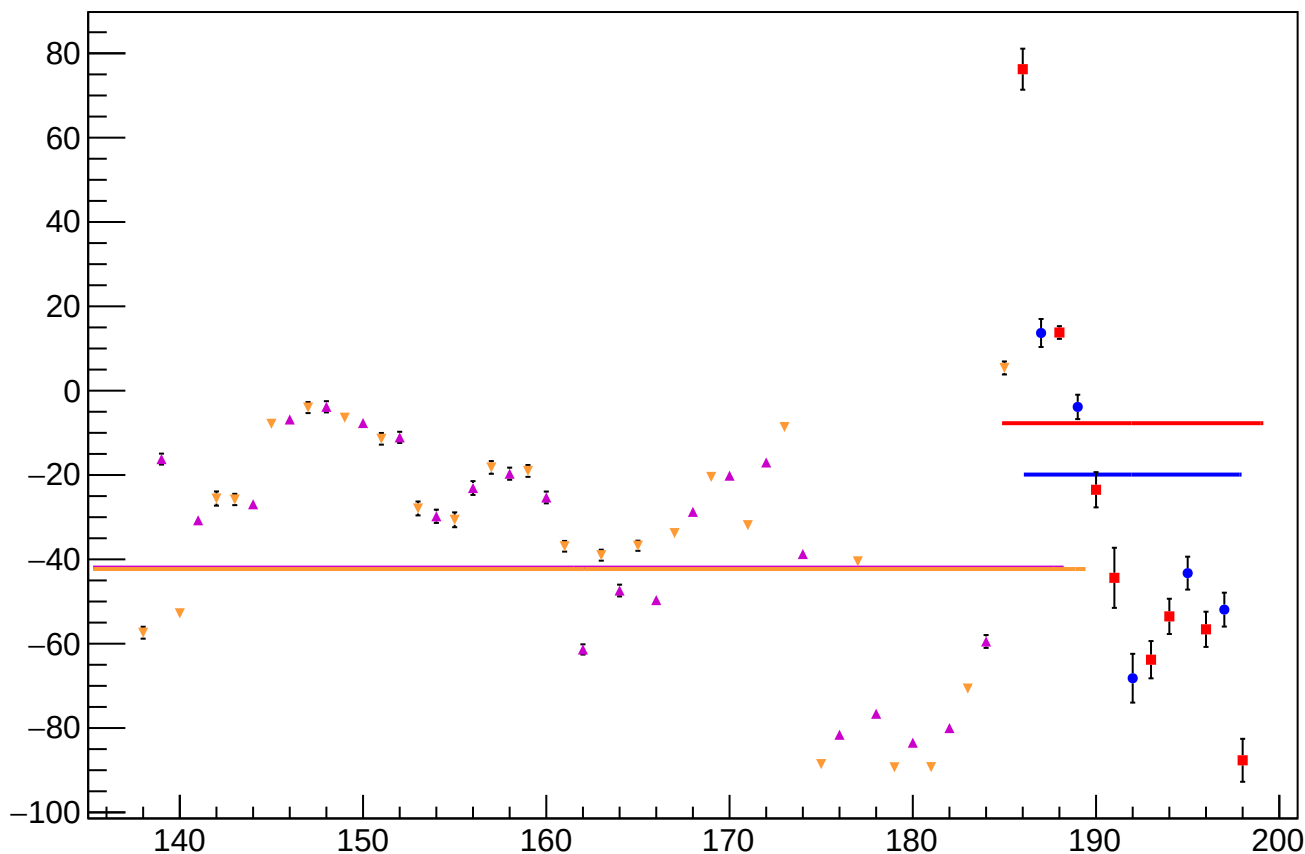
Right: -0.054 ± 0.028 χ^2/NDF : 1161.3/47

In: 0.870 ± 0.012 χ^2/NDF : 1798.1/44

Out: 0.894 ± 0.012 χ^2/NDF : 2129.6/50

All: 0.882 ± 0.008 χ^2/NDF : 3929.6/95

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -19.897 ± 1.649 $\chi^2/\text{NDF}: 302.0/4$

Left Out: -42.295 ± 0.222 $\chi^2/\text{NDF}: 18267.5/24$

Right Out: -7.714 ± 1.144 $\chi^2/\text{NDF}: 1206.1/7$

Left In: -41.955 ± 0.226 $\chi^2/\text{NDF}: 14723.4/22$

Left: -42.128 ± 0.159 $\chi^2/\text{NDF}: 32992.1/47$

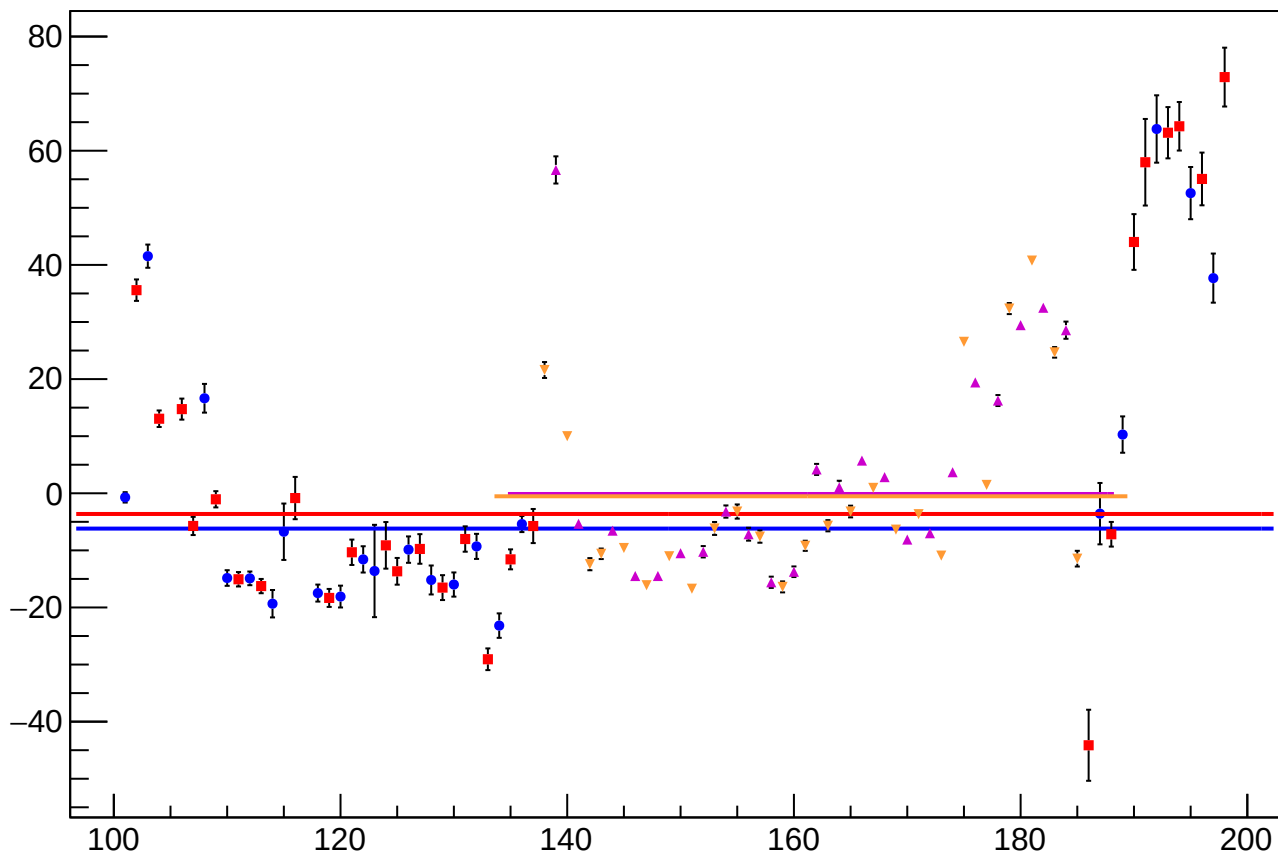
Right: -11.675 ± 0.940 $\chi^2/\text{NDF}: 1544.9/12$

In: -41.549 ± 0.224 $\chi^2/\text{NDF}: 15201.1/27$

Out: -41.036 ± 0.218 $\chi^2/\text{NDF}: 20353.4/32$

All: -41.286 ± 0.156 $\chi^2/\text{NDF}: 35557.2/60$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



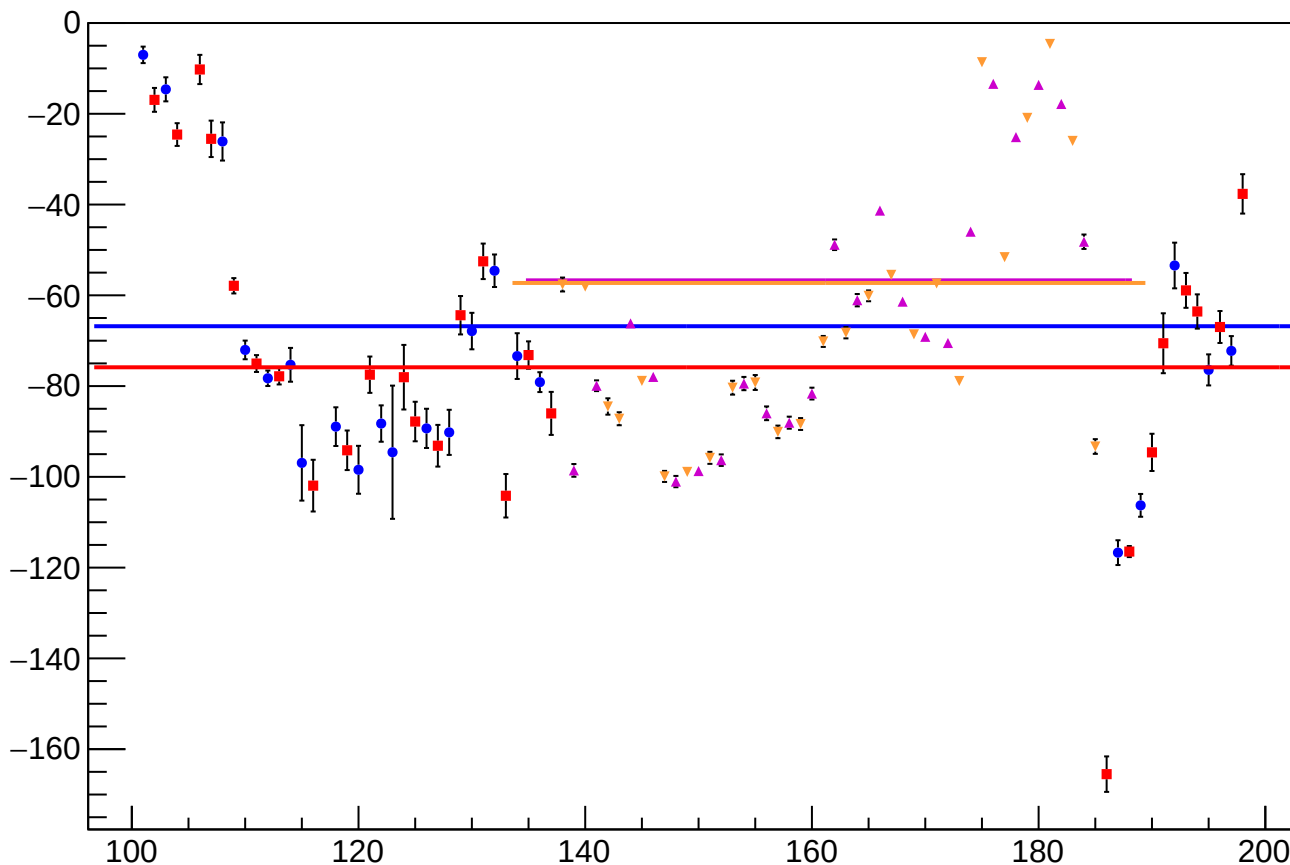
Right In: -6.186 ± 0.417 $\chi^2/\text{NDF}: 1434.1/21$
 Left Out: -0.527 ± 0.175 $\chi^2/\text{NDF}: 8707.9/24$
 Right Out: -3.625 ± 0.412 $\chi^2/\text{NDF}: 2282.6/25$
 Left In: -0.125 ± 0.179 $\chi^2/\text{NDF}: 6925.0/22$

Left: -0.331 ± 0.125 $\chi^2/\text{NDF}: 15635.5/47$
 Right: -4.888 ± 0.293 $\chi^2/\text{NDF}: 3735.8/47$

In: -1.063 ± 0.164 $\chi^2/\text{NDF}: 8537.4/44$
 Out: -1.000 ± 0.161 $\chi^2/\text{NDF}: 11038.5/50$

All: -1.031 ± 0.115 $\chi^2/\text{NDF}: 19575.9/95$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.811 ± 0.657 χ^2/NDF : 2422.4/21

Left Out: -57.276 ± 0.224 χ^2/NDF : 18511.1/24

Right Out: -75.860 ± 0.569 χ^2/NDF : 3524.2/25

Left In: -56.705 ± 0.226 χ^2/NDF : 16547.5/22

Left: -56.993 ± 0.159 χ^2/NDF : 35061.8/47

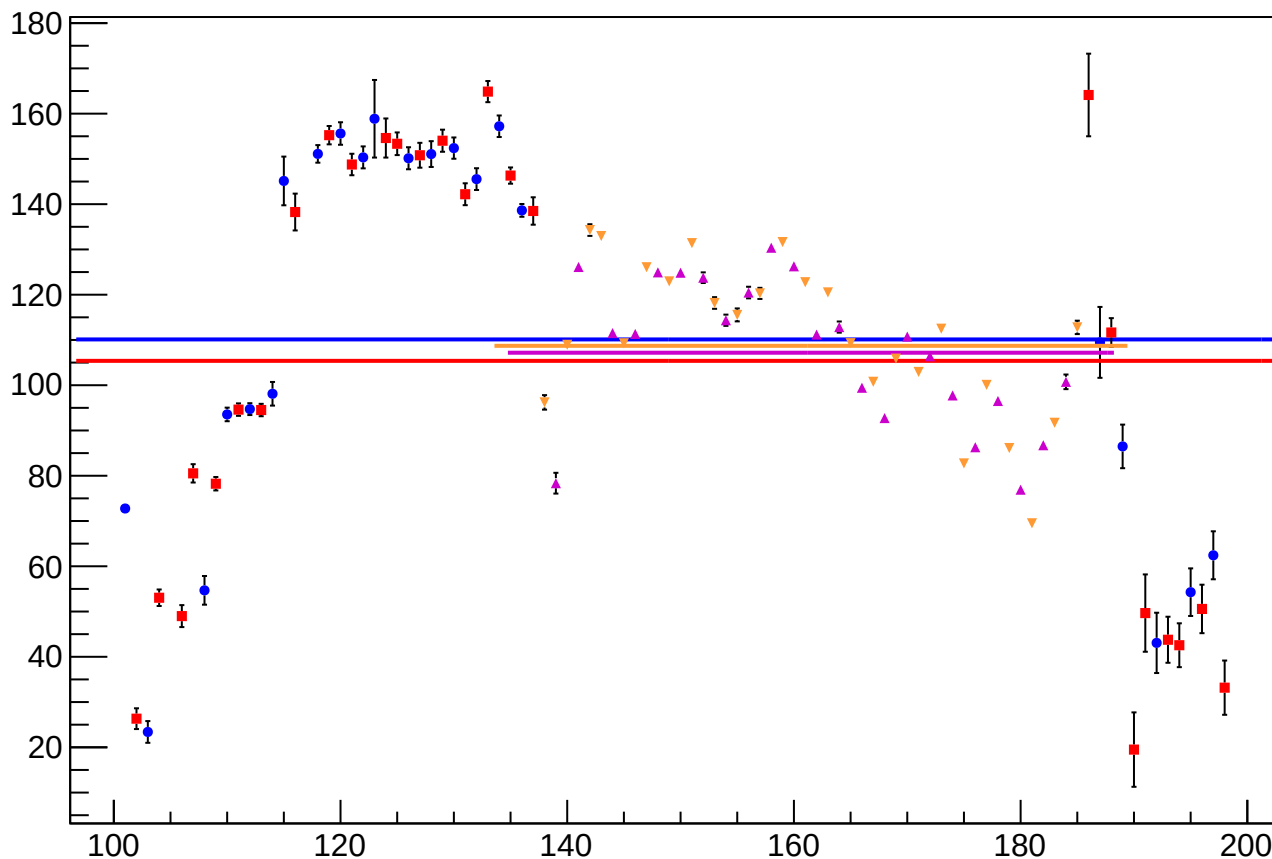
Right: -71.980 ± 0.430 χ^2/NDF : 6055.0/47

In: -57.775 ± 0.214 χ^2/NDF : 19181.7/44

Out: -59.762 ± 0.208 χ^2/NDF : 22959.6/50

All: -58.795 ± 0.149 χ^2/NDF : 42185.6/95

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 110.117 $\pm$ 0.478 χ^2 /NDF: 6287.9/21

Left Out: 108.709 $\pm$ 0.198 χ^2 /NDF: 7297.0/24

Right Out: 105.385 $\pm$ 0.473 χ^2 /NDF: 7613.2/25

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

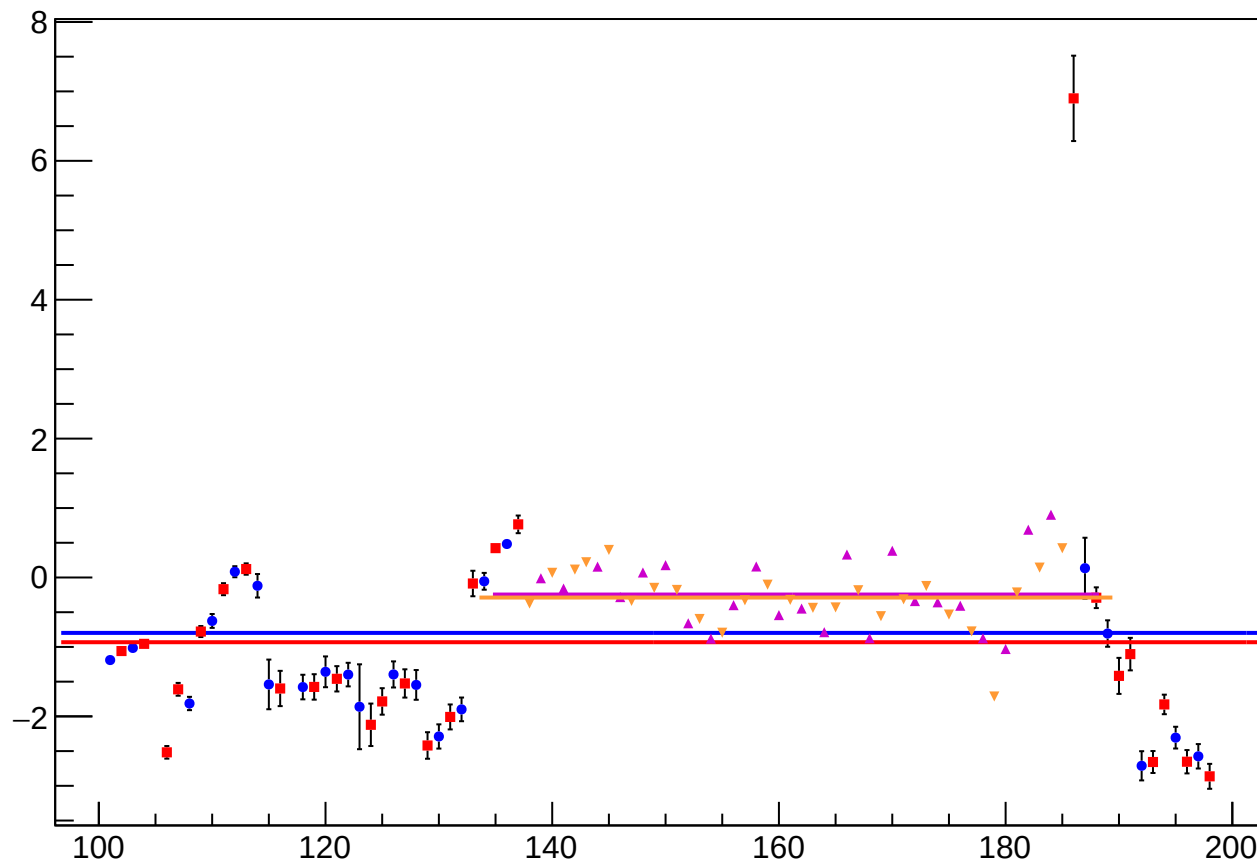
Right: 107.726 $\pm$ 0.336 χ^2 /NDF: 13950.6/47

In: 107.624 $\pm$ 0.186 χ^2 /NDF: 11912.3/44

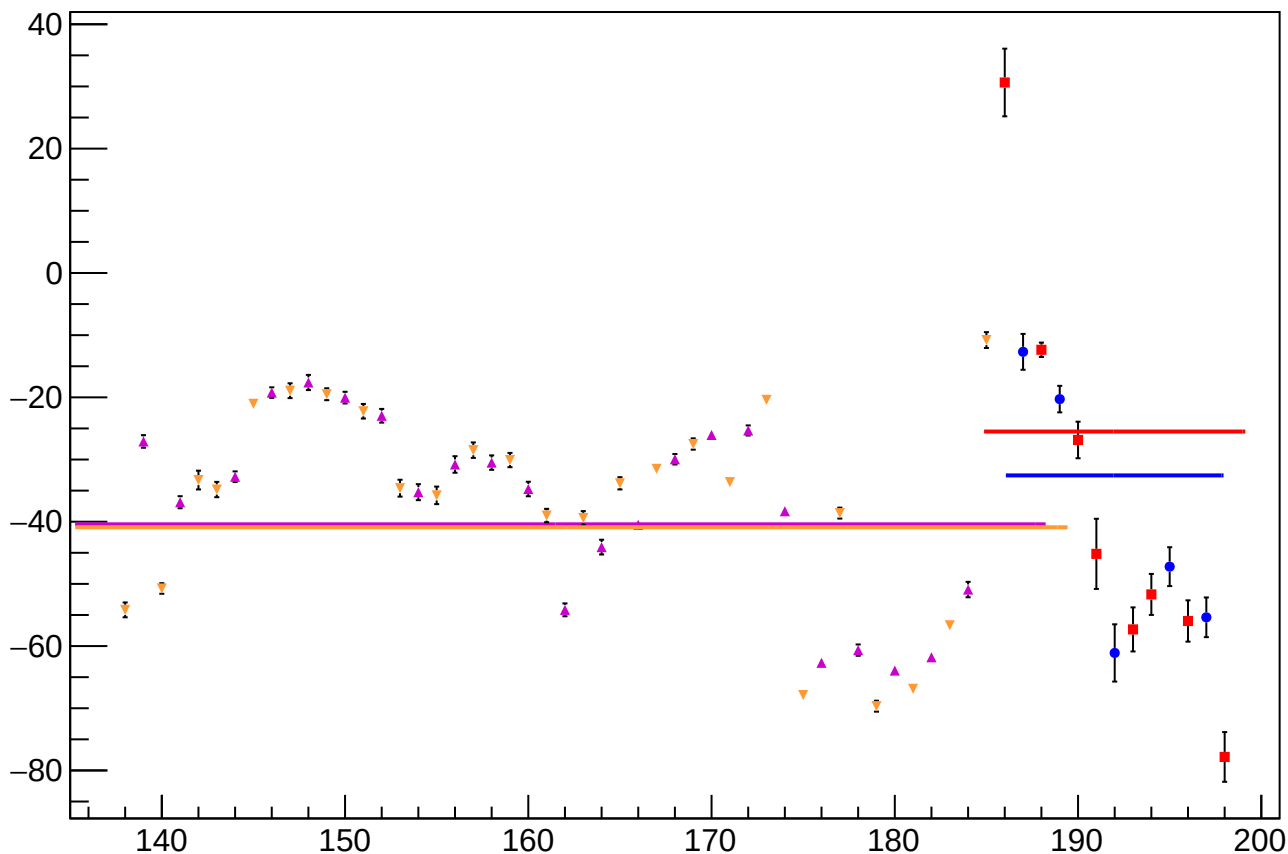
Out: 108.214 $\pm$ 0.182 χ^2 /NDF: 14952.2/50

All: 107.925 $\pm$ 0.130 χ^2 /NDF: 26869.6/95

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



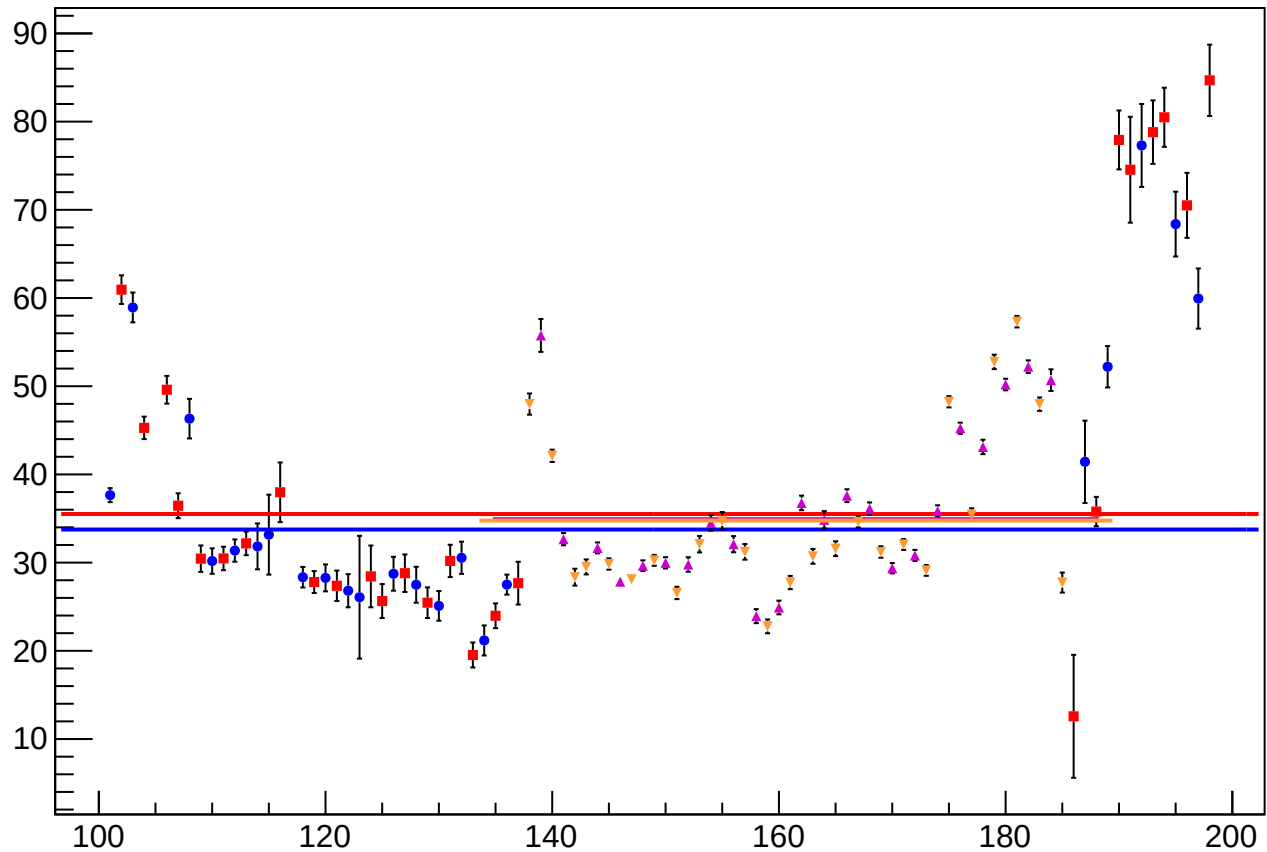
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -32.553 ± 1.305 $\chi^2/\text{NDF}: 192.1/4$
 Left Out: -40.897 ± 0.186 $\chi^2/\text{NDF}: 9114.7/24$
 Right Out: -25.499 ± 0.893 $\chi^2/\text{NDF}: 647.5/7$
 Left In: -40.422 ± 0.189 $\chi^2/\text{NDF}: 7030.2/22$

Left: -40.662 ± 0.133 $\chi^2/\text{NDF}: 16148.1/47$
 Right: -27.748 ± 0.737 $\chi^2/\text{NDF}: 859.6/12$
 In: -40.260 ± 0.187 $\chi^2/\text{NDF}: 7257.9/27$
 Out: -40.253 ± 0.182 $\chi^2/\text{NDF}: 10047.4/32$
 All: -40.256 ± 0.131 $\chi^2/\text{NDF}: 17305.4/60$

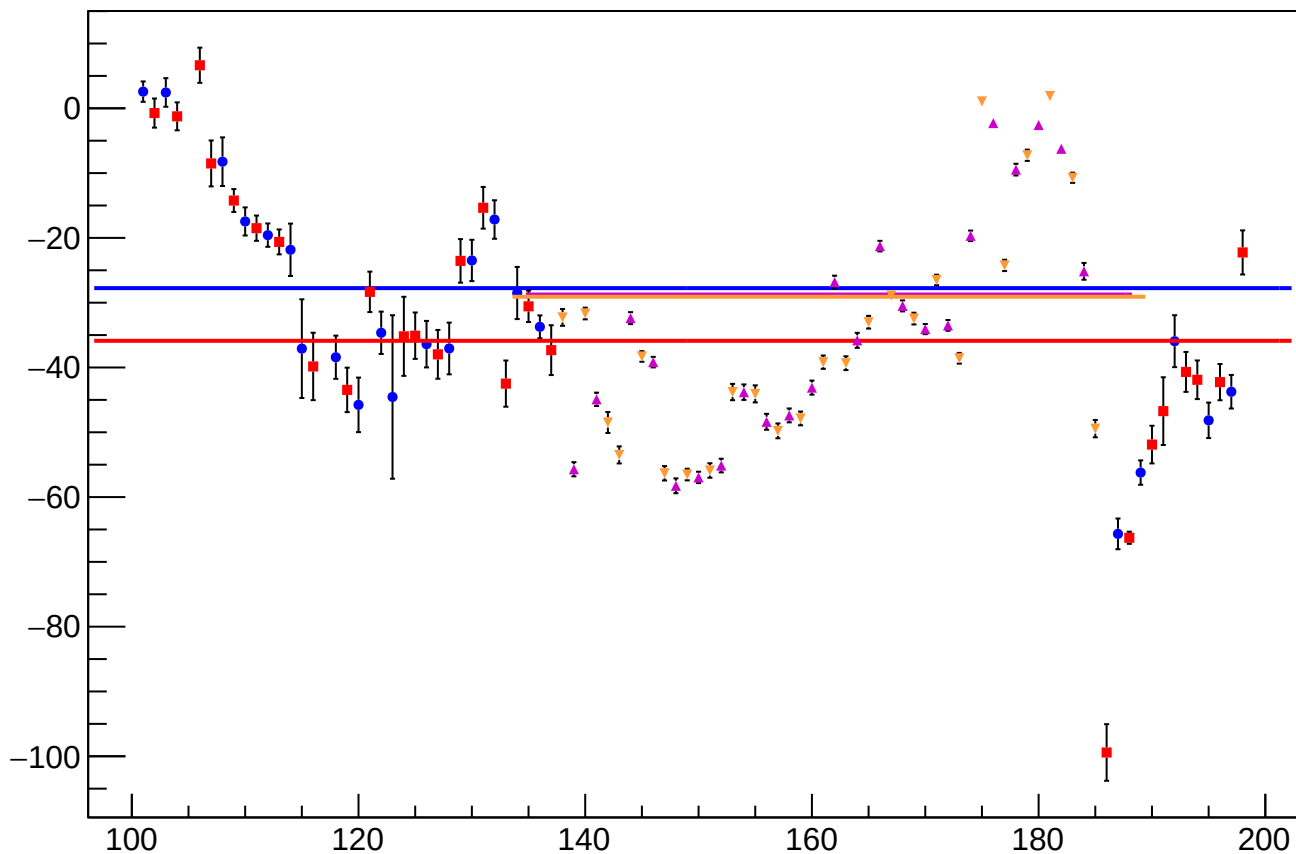
reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 33.752 $\pm$ 0.362 χ^2 /NDF: 765.8/21
 Left Out: 34.768 $\pm$ 0.148 χ^2 /NDF:3677.3/24
 Right Out: 35.509 $\pm$ 0.360 χ^2 /NDF: 1542.9/25
 Left In: 34.928 $\pm$ 0.151 χ^2 /NDF:2688.4/22

Left: 34.846 $\pm$ 0.106 χ^2 /NDF: 6366.3/47
 Right: 34.636 $\pm$ 0.255 χ^2 /NDF: 2320.5/47
 In: 34.754 $\pm$ 0.139 χ^2 /NDF:3463.1/44
 Out: 34.875 $\pm$ 0.137 χ^2 /NDF:5223.9/50
 All: 34.815 $\pm$ 0.098 χ^2 /NDF: 8687.4/95

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -27.753 ± 0.571 χ^2/NDF : 1286.5/21

Left Out: -29.080 ± 0.187 χ^2/NDF : 10059.5/24

Right Out: -35.881 ± 0.490 χ^2/NDF : 2507.6/25

Left In: -28.735 ± 0.189 χ^2/NDF : 9155.5/22

Left: -28.909 ± 0.133 χ^2/NDF : 19216.6/47

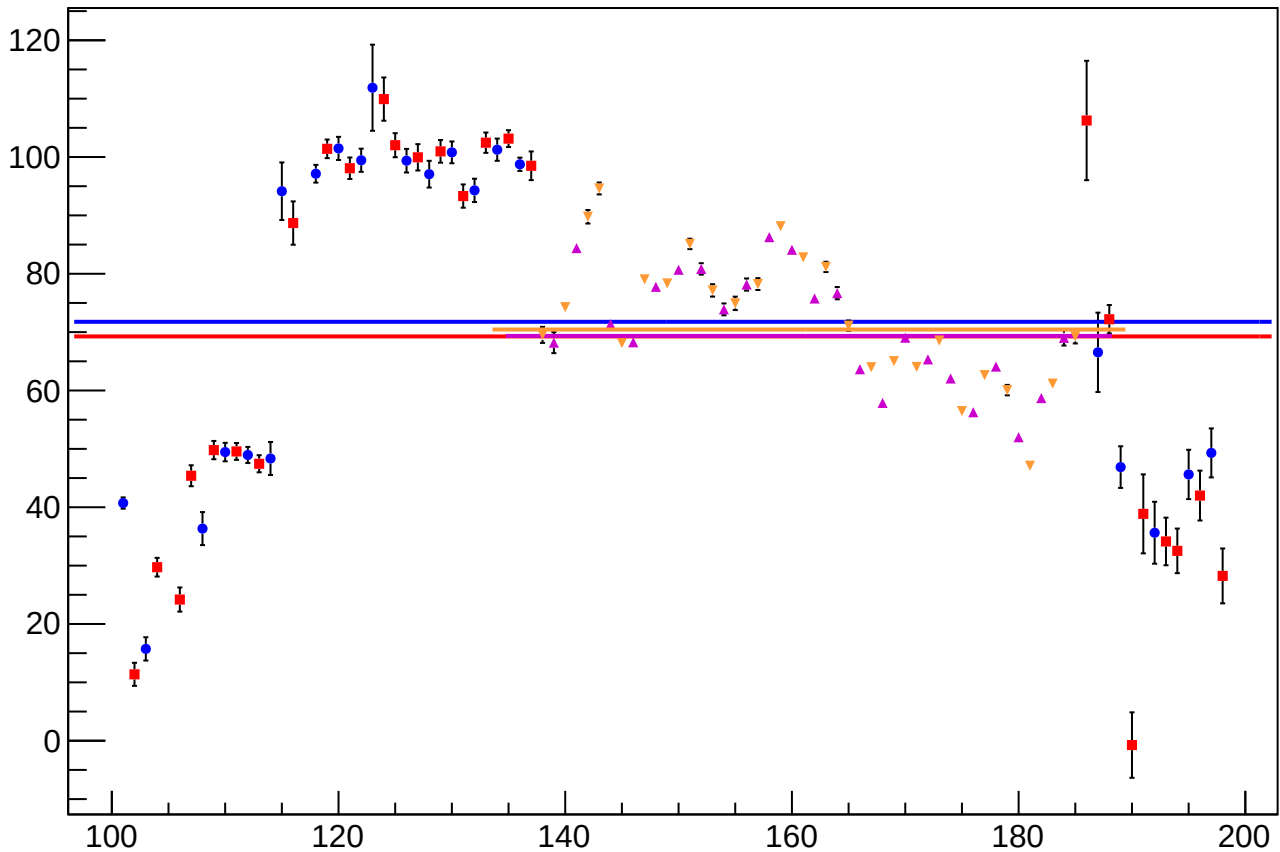
Right: -32.438 ± 0.372 χ^2/NDF : 3910.7/47

In: -28.639 ± 0.179 χ^2/NDF : 10444.6/44

Out: -29.948 ± 0.175 χ^2/NDF : 12735.3/50

All: -29.310 ± 0.125 χ^2/NDF : 23207.3/95

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.771 ± 0.417 $\chi^2/\text{NDF}: 4907.3/21$

Left Out: 70.450 ± 0.167 $\chi^2/\text{NDF}: 4484.7/24$

Right Out: 69.265 ± 0.417 $\chi^2/\text{NDF}: 5862.0/25$

Left In: 69.350 ± 0.170 $\chi^2/\text{NDF}: 3330.7/22$

Left: 69.910 ± 0.119 $\chi^2/\text{NDF}: 7836.8/47$

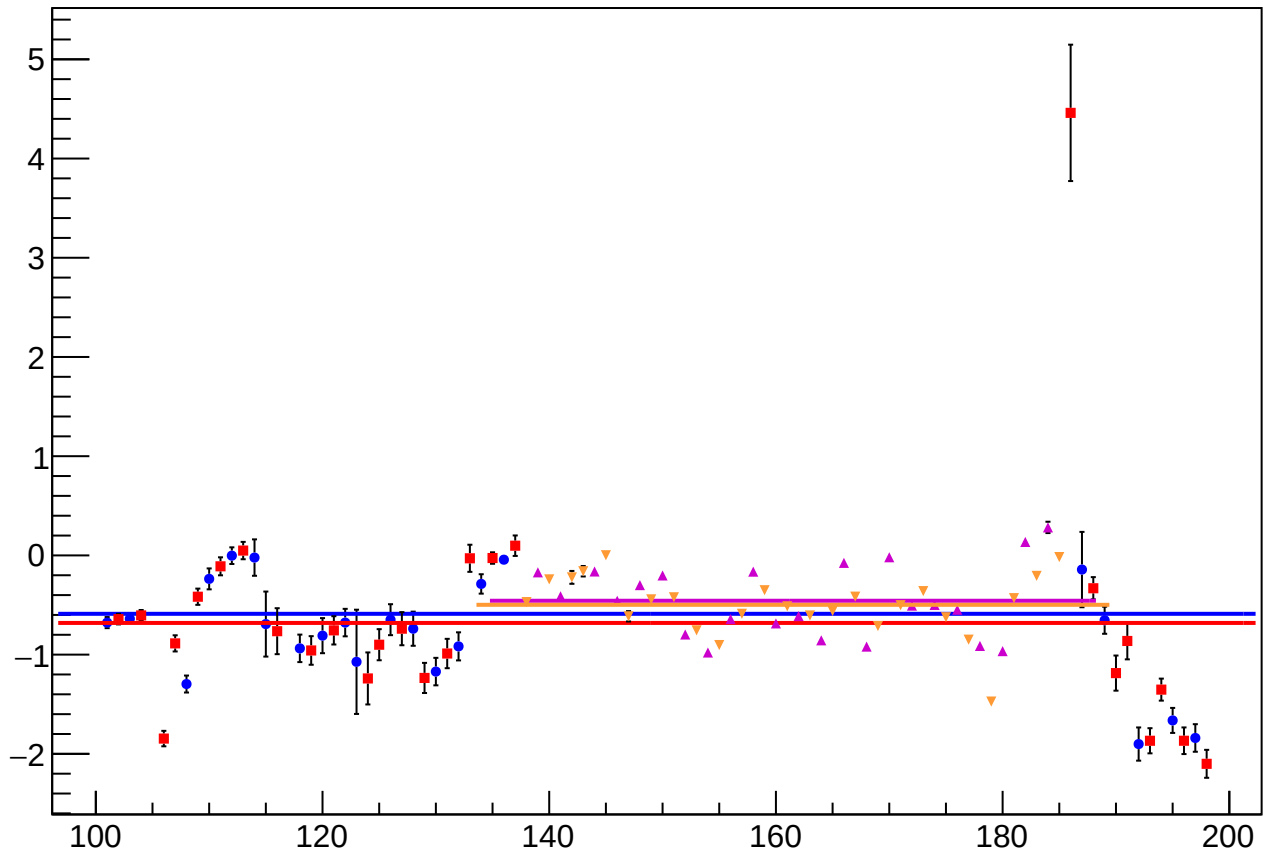
Right: 70.518 ± 0.295 $\chi^2/\text{NDF}: 10787.4/47$

In: 69.695 ± 0.157 $\chi^2/\text{NDF}: 8267.0/44$

Out: 70.286 ± 0.155 $\chi^2/\text{NDF}: 10353.7/50$

All: 69.995 ± 0.110 $\chi^2/\text{NDF}: 18627.8/95$

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.589 ± 0.021 χ^2/NDF : 536.4/21

Left Out: -0.498 ± 0.008 χ^2/NDF : 1440.7/24

Right Out: -0.681 ± 0.020 χ^2/NDF : 967.8/25

Left In: -0.457 ± 0.008 χ^2/NDF : 1975.2/22

Left: -0.478 ± 0.005 χ^2/NDF : 3430.2/47

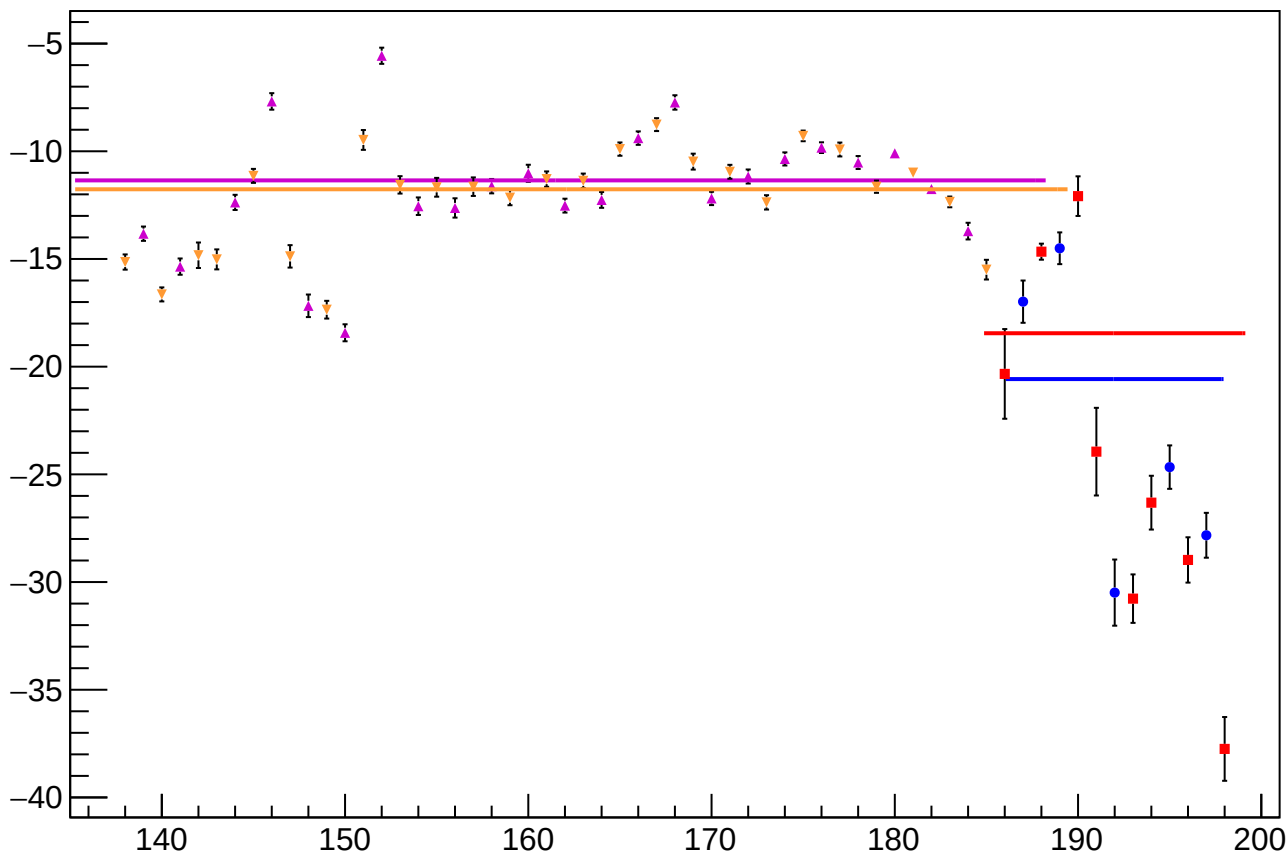
Right: -0.638 ± 0.014 χ^2/NDF : 1514.3/47

In: -0.472 ± 0.007 χ^2/NDF : 2545.6/44

Out: -0.521 ± 0.007 χ^2/NDF : 2482.7/50

All: -0.497 ± 0.005 χ^2/NDF : 5051.7/95

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -20.576 ± 0.438 $\chi^2/\text{NDF}: 187.9/4$
 Left Out: -11.764 ± 0.067 $\chi^2/\text{NDF}: 1025.9/24$
 Right Out: -18.448 ± 0.293 $\chi^2/\text{NDF}: 589.1/7$
 Left In: -11.352 ± 0.068 $\chi^2/\text{NDF}: 1280.6/22$

Left: -11.561 ± 0.048 $\chi^2/\text{NDF}: 2325.4/47$

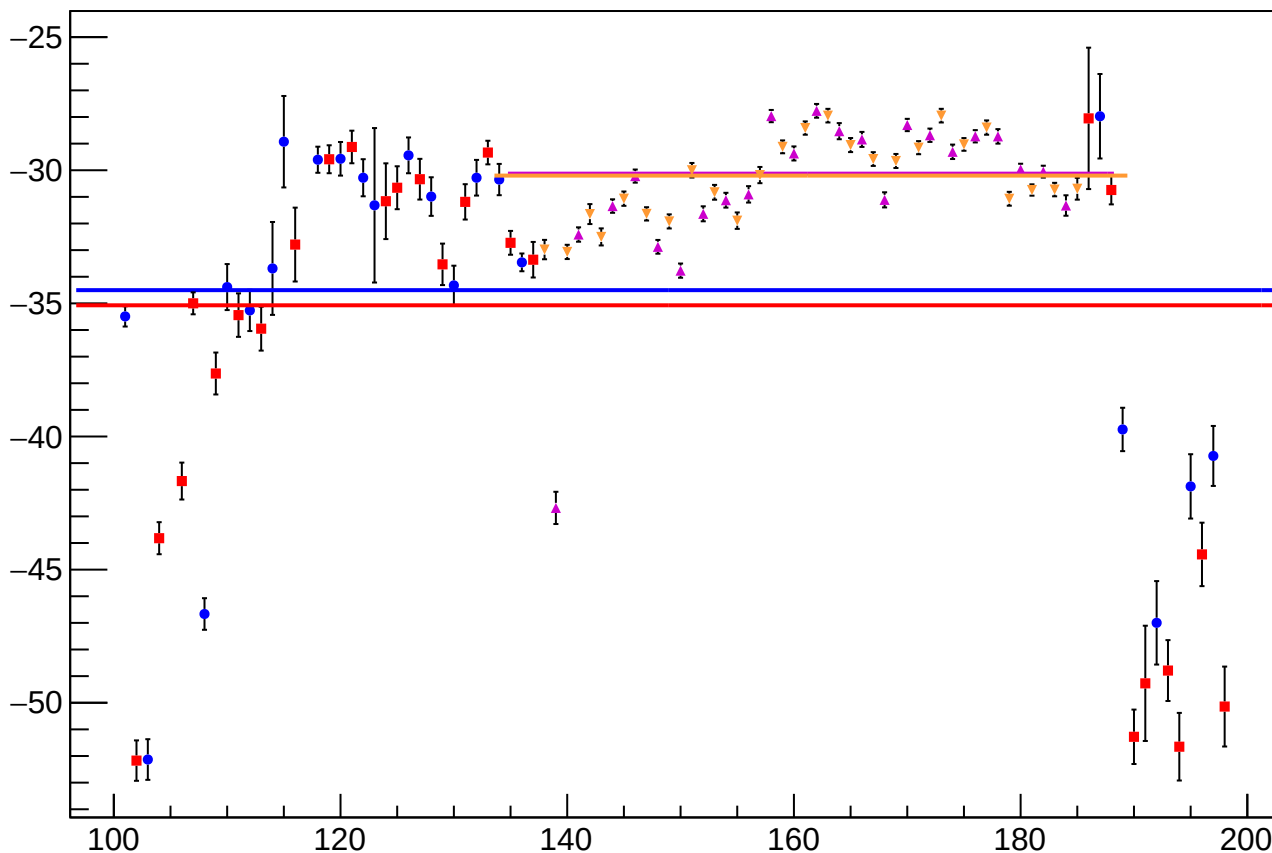
Right: -19.105 ± 0.243 $\chi^2/\text{NDF}: 793.3/12$

In: -11.567 ± 0.067 $\chi^2/\text{NDF}: 1901.4/27$

Out: -12.095 ± 0.065 $\chi^2/\text{NDF}: 2110.3/32$

All: -11.838 ± 0.047 $\chi^2/\text{NDF}: 4043.7/60$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.503 ± 0.145 χ^2/NDF : 1539.6/21

Left Out: -30.201 ± 0.054 χ^2/NDF : 725.7/24

Right Out: -35.072 ± 0.140 χ^2/NDF : 2186.4/25

Left In: -30.128 ± 0.055 χ^2/NDF : 1290.4/22

Left: -30.165 ± 0.039 χ^2/NDF : 2017.0/47

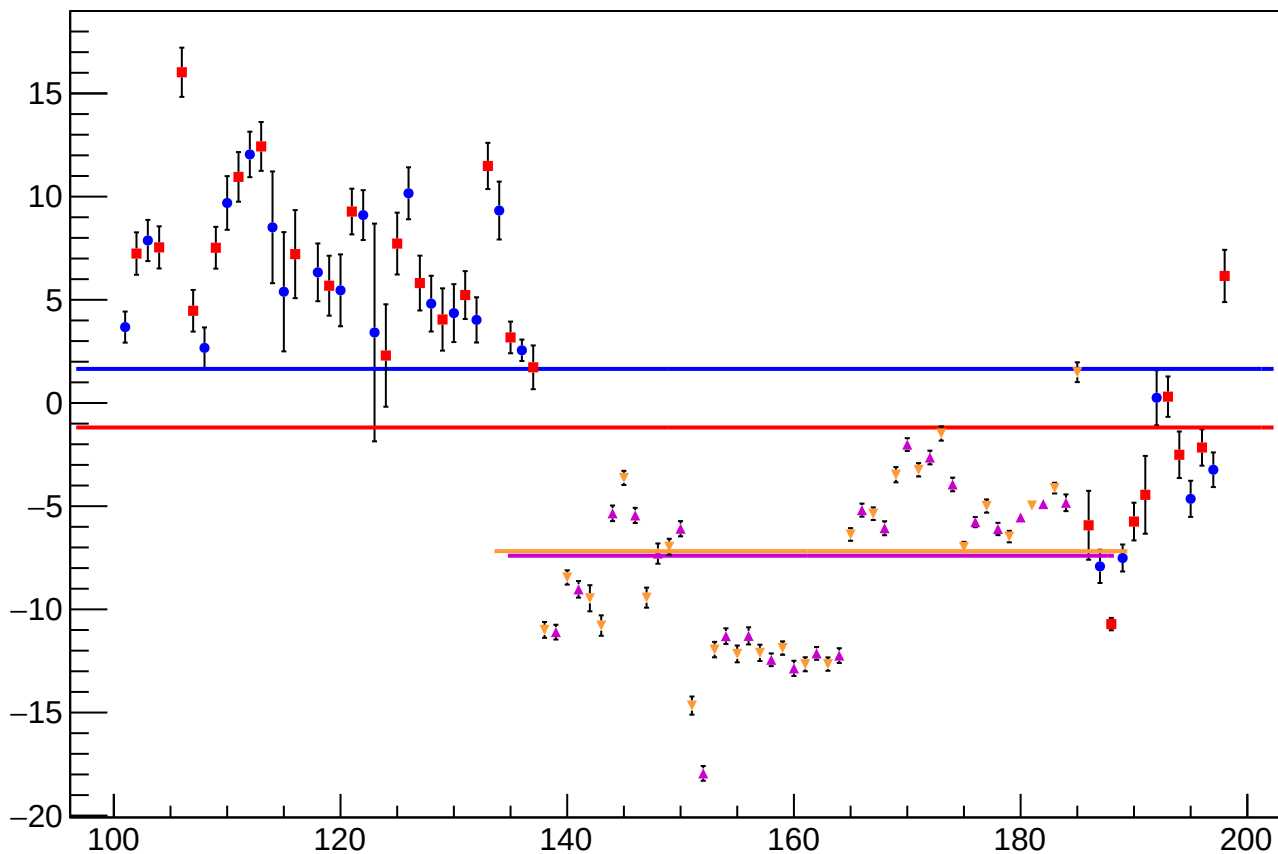
Right: -34.797 ± 0.101 χ^2/NDF : 3734.0/47

In: -30.687 ± 0.052 χ^2/NDF : 3628.6/44

Out: -30.832 ± 0.050 χ^2/NDF : 3968.2/50

All: -30.762 ± 0.036 χ^2/NDF : 7600.8/95

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



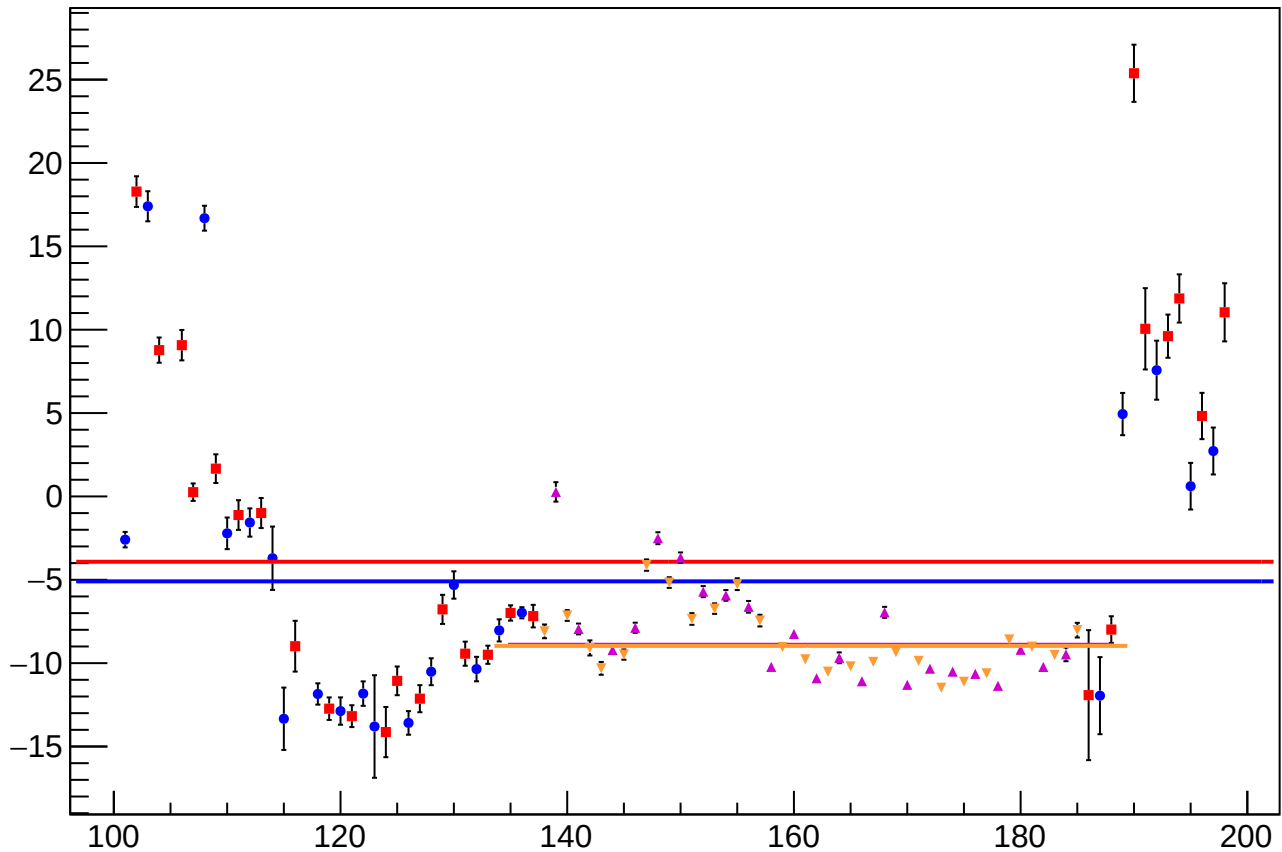
Right In: 1.652 ± 0.219 $\chi^2/\text{NDF}: 752.6/21$
 Left Out: -7.180 ± 0.067 $\chi^2/\text{NDF}: 3015.8/24$
 Right Out: -1.187 ± 0.183 $\chi^2/\text{NDF}: 2172.2/25$
 Left In: -7.400 ± 0.068 $\chi^2/\text{NDF}: 3134.9/22$

Left: -7.289 ± 0.048 $\chi^2/\text{NDF}: 6156.0/47$
 Right: -0.018 ± 0.140 $\chi^2/\text{NDF}: 3024.0/47$

In: -6.611 ± 0.065 $\chi^2/\text{NDF}: 5452.2/44$
 Out: -6.472 ± 0.063 $\chi^2/\text{NDF}: 6135.0/50$

All: -6.539 ± 0.045 $\chi^2/\text{NDF}: 11589.6/95$

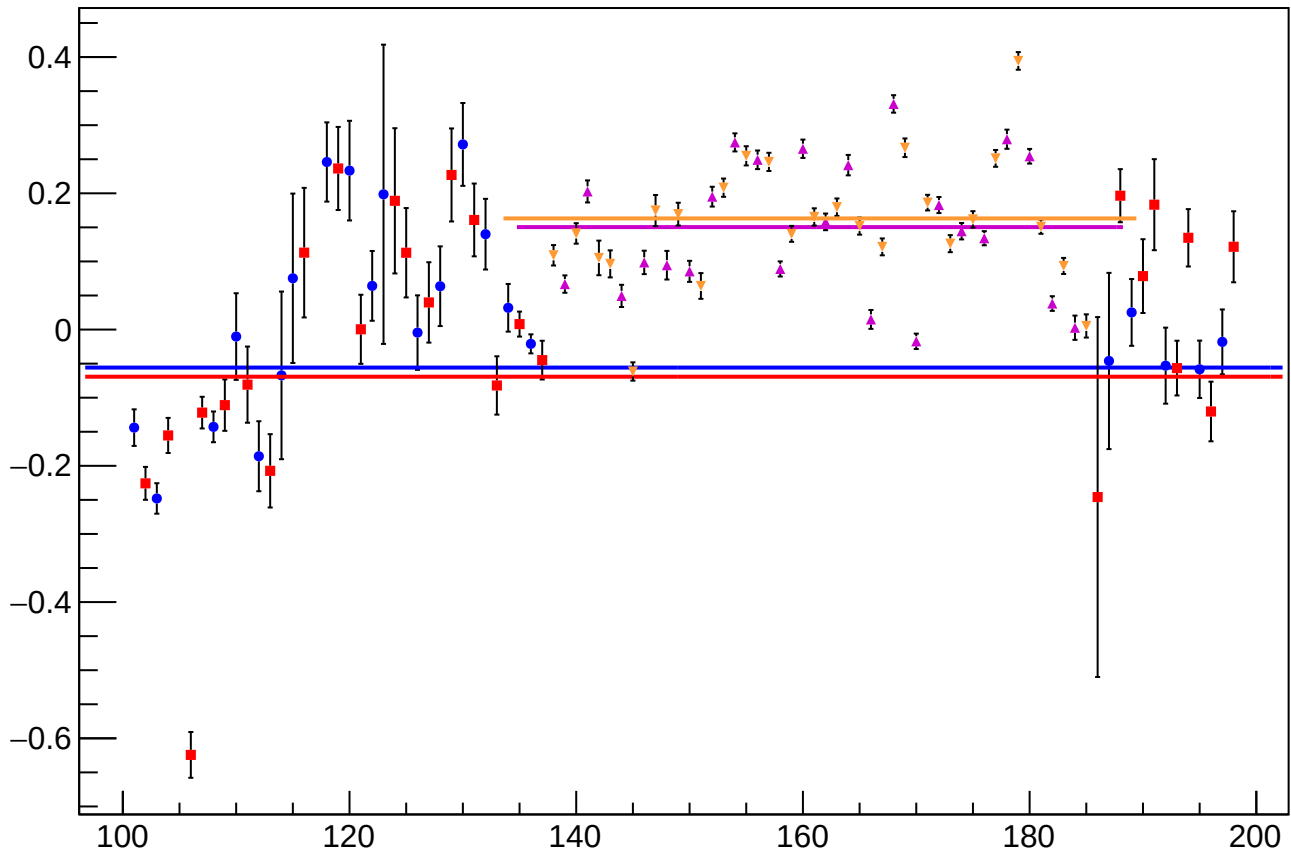
reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.095 ± 0.165 χ^2/NDF : 2302.8/21
 Left Out: -8.965 ± 0.060 χ^2/NDF : 876.6/24
 Right Out: -3.918 ± 0.163 χ^2/NDF : 2729.5/25
 Left In: -8.898 ± 0.061 χ^2/NDF : 1584.0/22

Left: -8.932 ± 0.043 χ^2/NDF : 2461.2/47
 Right: -4.501 ± 0.116 χ^2/NDF : 5058.1/47
 In: -8.433 ± 0.058 χ^2/NDF : 4353.9/44
 Out: -8.360 ± 0.057 χ^2/NDF : 4446.3/50
 All: -8.396 ± 0.040 χ^2/NDF : 8800.9/95

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.056 ± 0.008 χ^2/NDF : 221.1/21

Left Out: 0.163 ± 0.003 χ^2/NDF : 1011.4/24

Right Out: -0.069 ± 0.008 χ^2/NDF : 549.5/25

Left In: 0.150 ± 0.003 χ^2/NDF : 1296.5/22

Left: 0.157 ± 0.002 χ^2/NDF : 2318.7/47

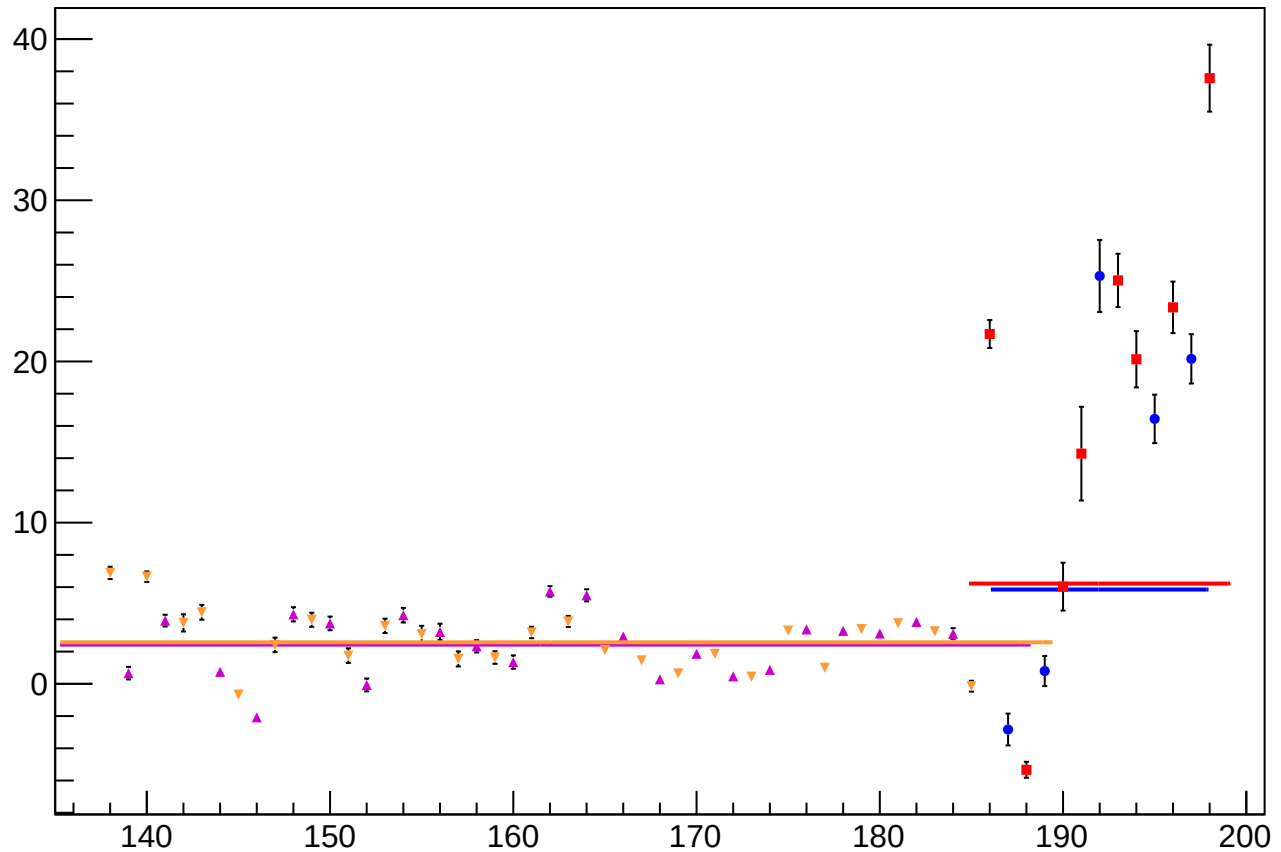
Right: -0.063 ± 0.005 χ^2/NDF : 772.1/47

In: 0.128 ± 0.003 χ^2/NDF : 2124.7/44

Out: 0.137 ± 0.003 χ^2/NDF : 2389.6/50

All: 0.132 ± 0.002 χ^2/NDF : 4519.6/95

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 5.849+/-0.556 χ^2/NDF : 319.0/4

Left Out: 2.575+/-0.058 χ^2/NDF : 868.1/24

Right Out: 6.218+/-0.371 χ^2/NDF : 1404.3/7

Left In: 2.433+/-0.059 χ^2/NDF : 882.9/22

Left: 2.505+/-0.042 χ^2/NDF : 1754.0/47

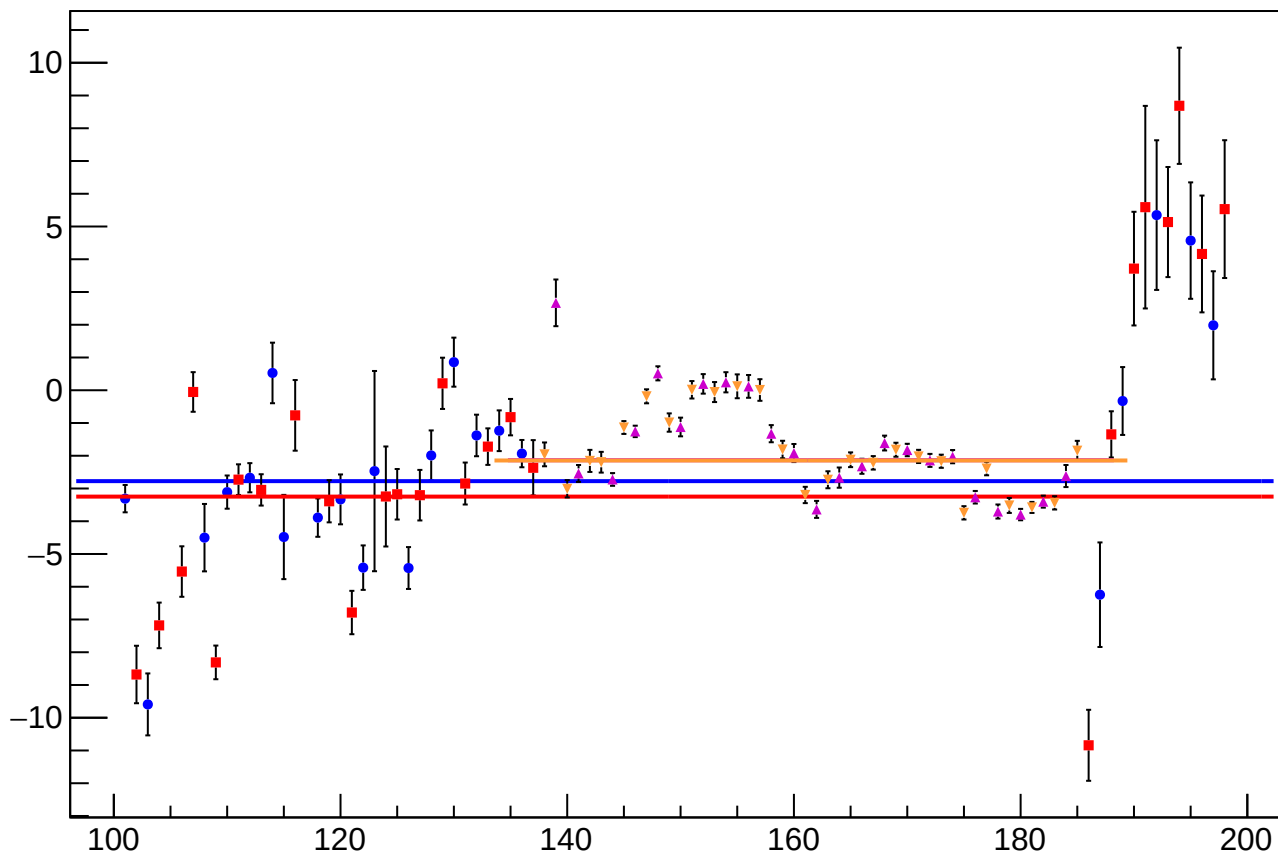
Right: 6.105+/-0.308 χ^2/NDF : 1723.6/12

In: 2.471+/-0.059 χ^2/NDF : 1239.3/27

Out: 2.664+/-0.058 χ^2/NDF : 2366.6/32

All: 2.569+/-0.041 χ^2/NDF : 3611.4/60

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.775 ± 0.150 $\chi^2/\text{NDF}: 195.9/21$

Left Out: -2.145 ± 0.048 $\chi^2/\text{NDF}: 572.6/24$

Right Out: -3.248 ± 0.147 $\chi^2/\text{NDF}: 472.2/25$

Left In: -2.137 ± 0.048 $\chi^2/\text{NDF}: 693.6/22$

Left: -2.141 ± 0.034 $\chi^2/\text{NDF}: 1266.1/47$

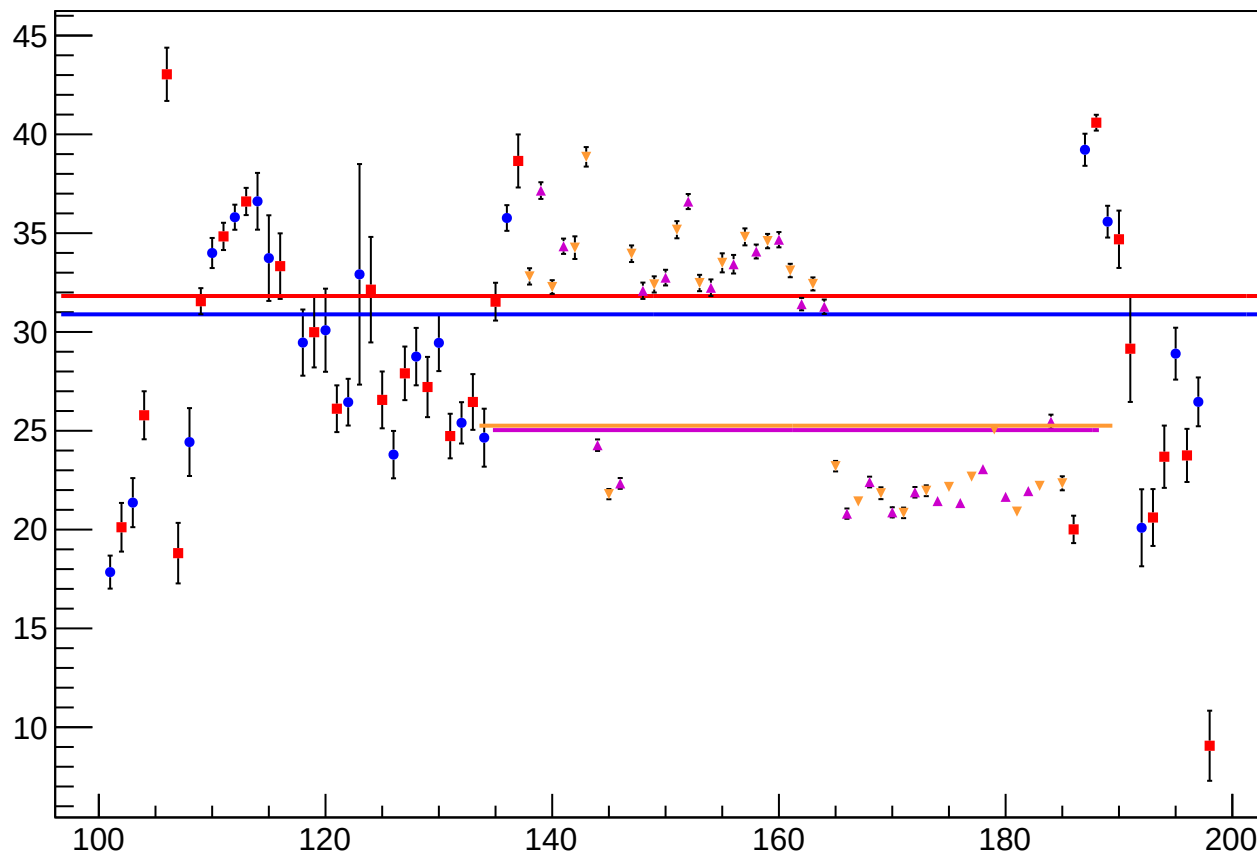
Right: -3.016 ± 0.105 $\chi^2/\text{NDF}: 673.1/47$

In: -2.197 ± 0.046 $\chi^2/\text{NDF}: 905.8/44$

Out: -2.250 ± 0.045 $\chi^2/\text{NDF}: 1095.7/50$

All: -2.223 ± 0.032 $\chi^2/\text{NDF}: 2002.2/95$

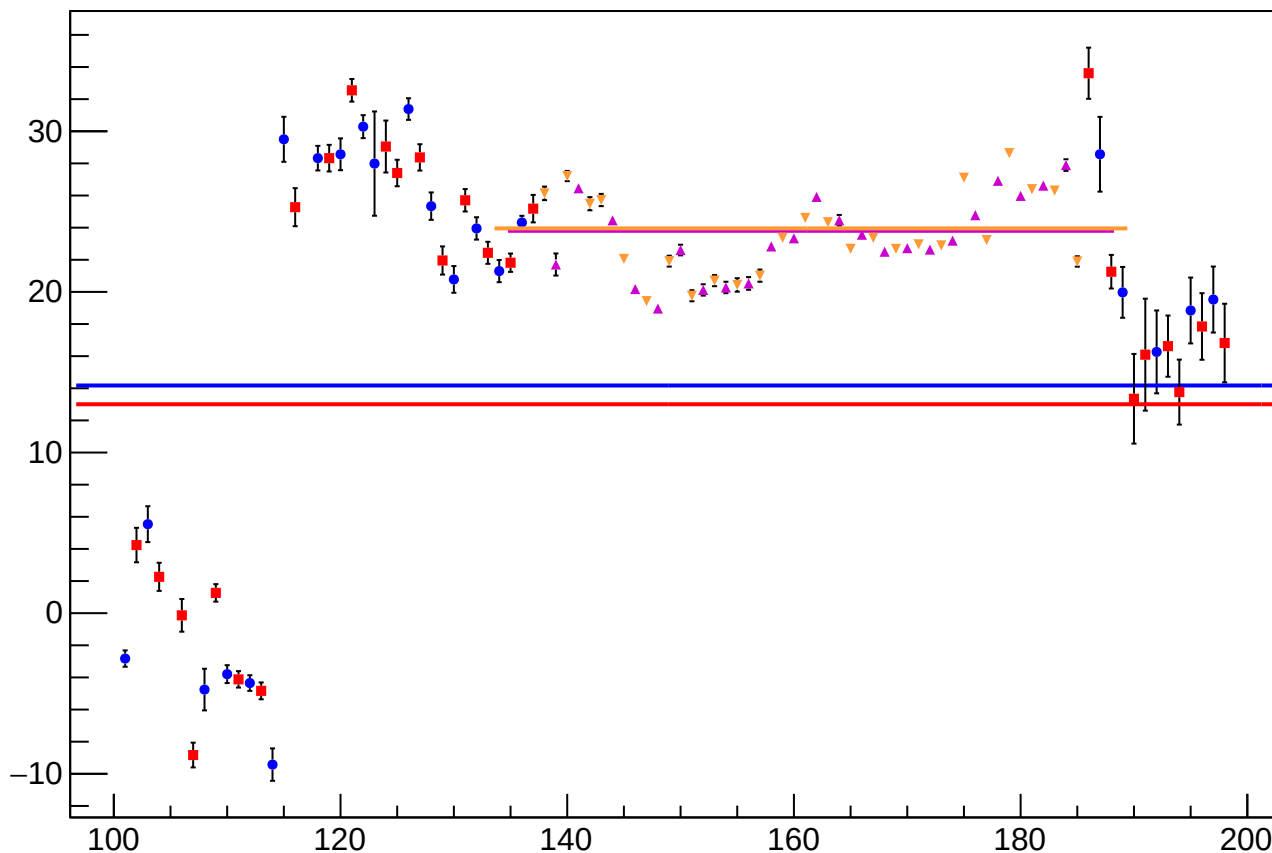
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 30.892 $\pm$ 0.232 χ^2 /NDF: 751.3/21
 Left Out: 25.258 $\pm$ 0.059 χ^2 /NDF:8135.5/24
 Right Out: 31.820 $\pm$ 0.198 χ^2 /NDF: 1523.2/25
 Left In: 25.034 $\pm$ 0.059 χ^2 /NDF:7690.0/22

Left: 25.147 $\pm$ 0.042 χ^2 /NDF: 15832.7/47
 Right: 31.427 $\pm$ 0.151 χ^2 /NDF: 2283.7/47
 In: 25.395 $\pm$ 0.058 χ^2 /NDF:9040.8/44
 Out: 25.790 $\pm$ 0.056 χ^2 /NDF:10665.1/50
 All: 25.596 $\pm$ 0.040 χ^2 /NDF: 19730.0/95

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.175 $\pm$ 0.169 χ^2 /NDF: 7457.9/21

Left Out: 23.953 $\pm$ 0.053 χ^2 /NDF:1915.9/24

Right Out: 13.005 $\pm$ 0.168 χ^2 /NDF: 7216.0/25

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

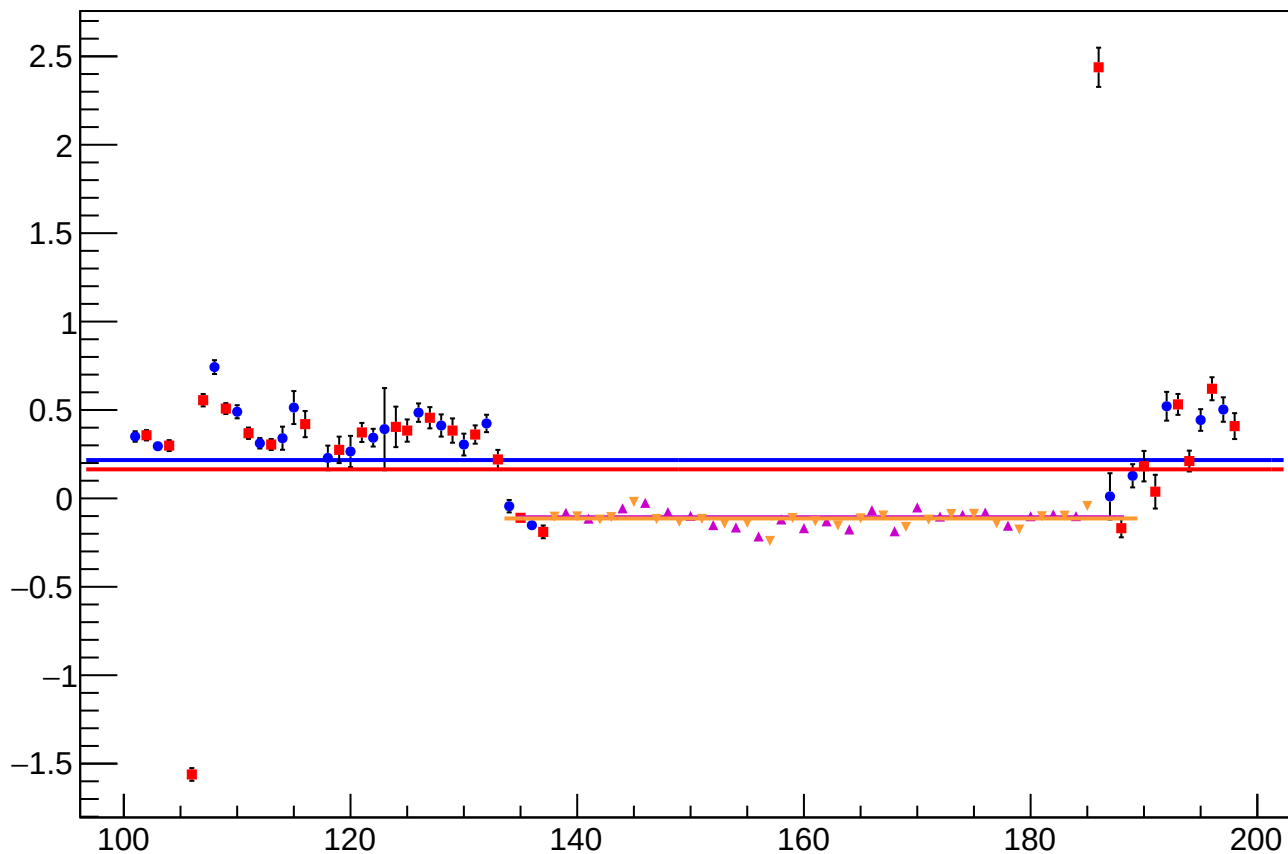
Right: 13.586 $\pm$ 0.119 χ^2 /NDF: 14698.0/47

In: 22.915 $\pm$ 0.051 χ^2 /NDF:12166.4/44

Out: 22.952 $\pm$ 0.051 χ^2 /NDF:13002.5/50

All: 22.934 $\pm$ 0.036 χ^2 /NDF: 25169.2/95

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.217 ± 0.009 $\chi^2/\text{NDF}: 896.7/21$

Left Out: -0.114 ± 0.002 $\chi^2/\text{NDF}: 290.8/24$

Right Out: 0.164 ± 0.009 $\chi^2/\text{NDF}: 3580.0/25$

Left In: -0.107 ± 0.002 $\chi^2/\text{NDF}: 322.0/22$

Left: -0.110 ± 0.002 $\chi^2/\text{NDF}: 616.8/47$

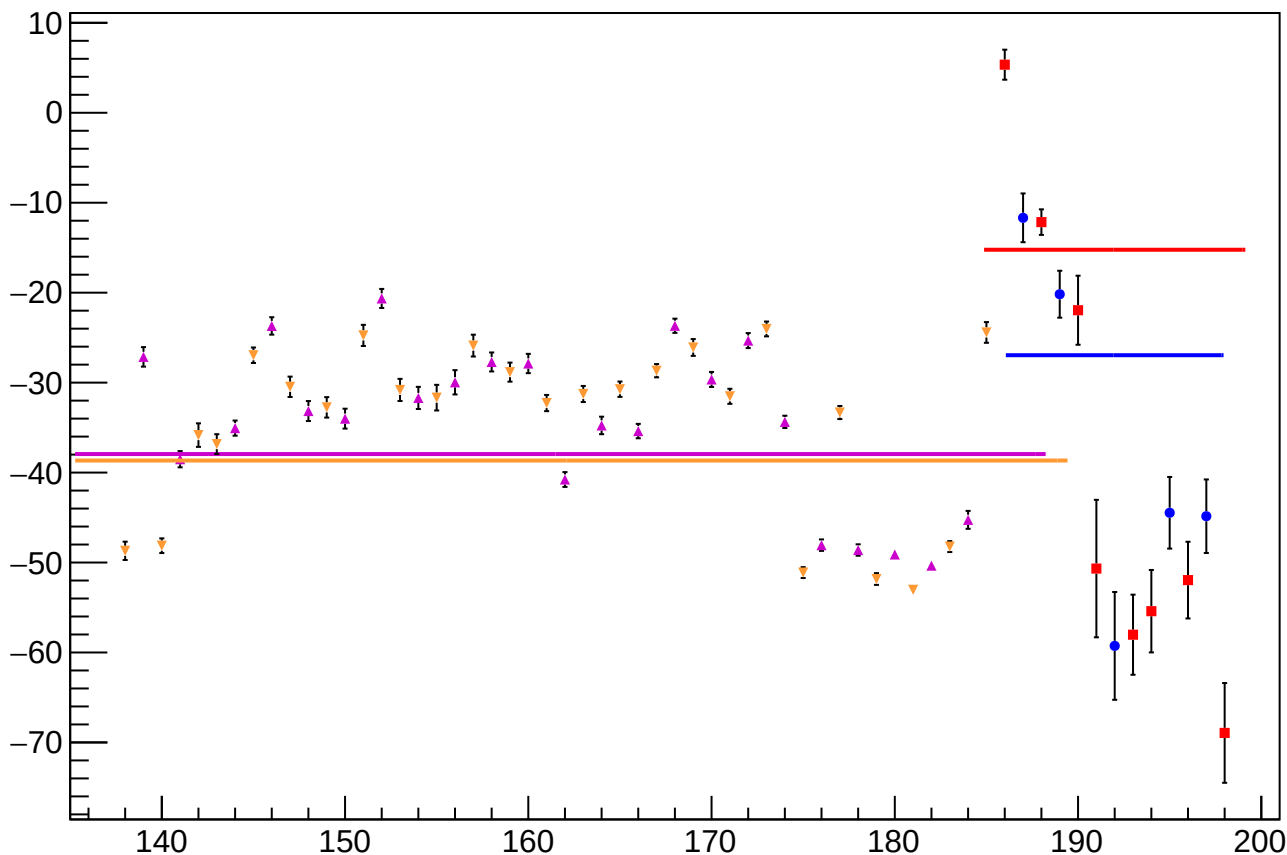
Right: 0.189 ± 0.006 $\chi^2/\text{NDF}: 4494.4/47$

In: -0.084 ± 0.002 $\chi^2/\text{NDF}: 2419.6/44$

Out: -0.093 ± 0.002 $\chi^2/\text{NDF}: 4833.9/50$

All: -0.089 ± 0.002 $\chi^2/\text{NDF}: 7260.6/95$

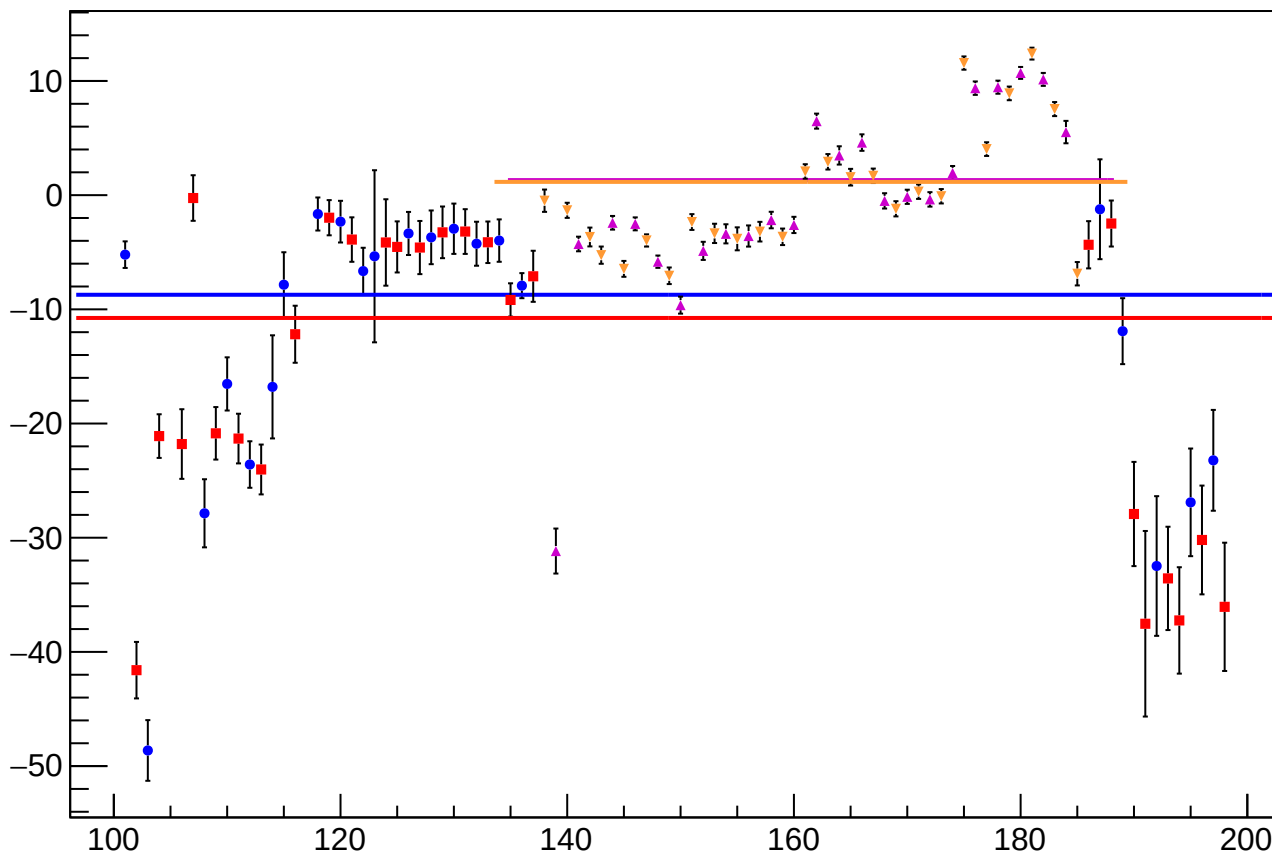
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -26.951 ± 1.518 $\chi^2/\text{NDF}: 106.1/4$
 Left Out: -38.660 ± 0.169 $\chi^2/\text{NDF}: 4073.8/24$
 Right Out: -15.226 ± 0.943 $\chi^2/\text{NDF}: 518.5/7$
 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: -18.490 ± 0.801 $\chi^2/\text{NDF}: 667.7/12$
 In: -37.799 ± 0.171 $\chi^2/\text{NDF}: 3291.0/27$
 Out: -37.928 ± 0.167 $\chi^2/\text{NDF}: 5190.7/32$
 All: -37.865 ± 0.120 $\chi^2/\text{NDF}: 8482.0/60$

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.724 ± 0.448 χ^2/NDF : 458.0/21

Left Out: 1.163 ± 0.136 χ^2/NDF : 1786.1/24

Right Out: -10.755 ± 0.454 χ^2/NDF : 557.6/25

Left In: 1.319 ± 0.139 χ^2/NDF : 2080.7/22

Left: 1.239 ± 0.097 χ^2/NDF : 3867.4/47

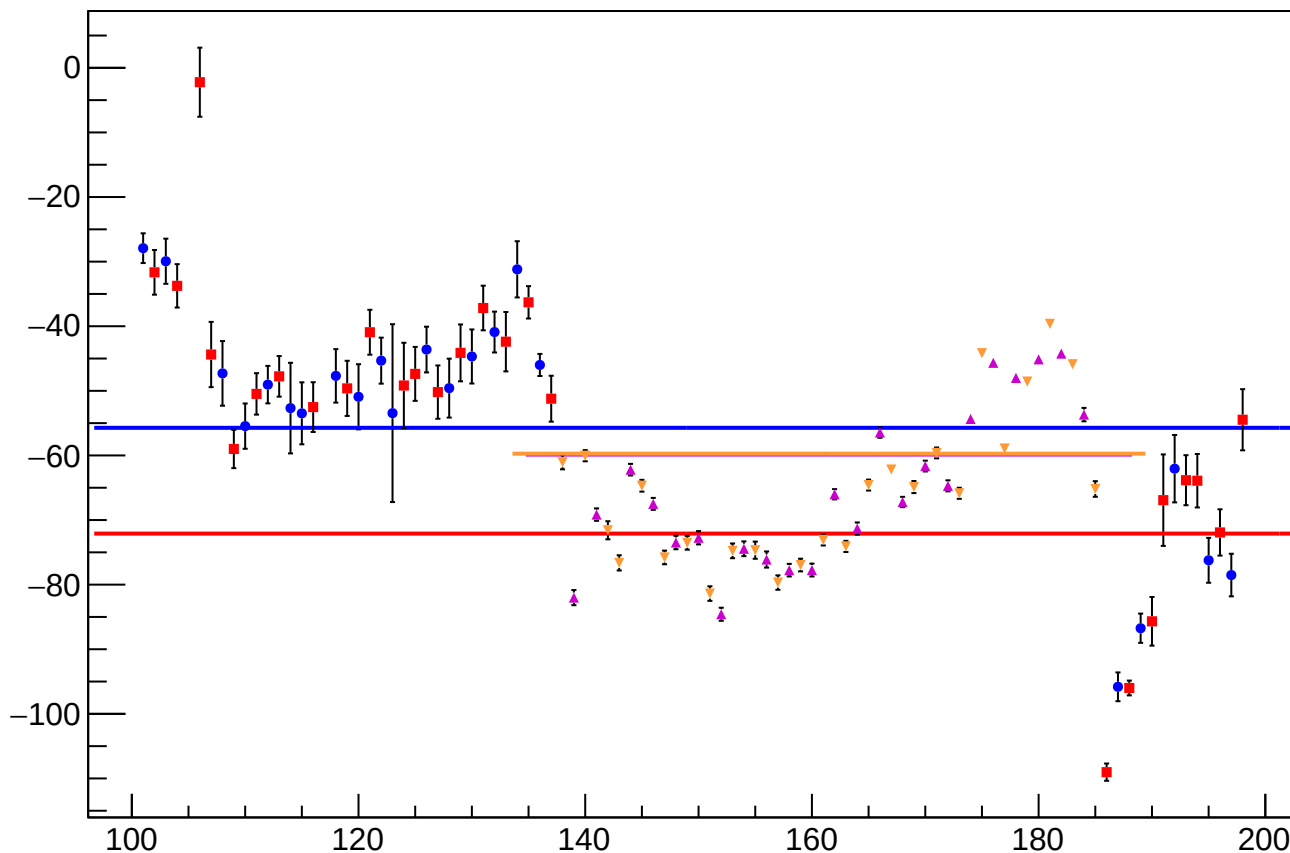
Right: -9.726 ± 0.319 χ^2/NDF : 1025.7/47

In: 0.432 ± 0.133 χ^2/NDF : 2996.5/44

Out: 0.178 ± 0.131 χ^2/NDF : 2975.3/50

All: 0.303 ± 0.093 χ^2/NDF : 5973.7/95

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -55.723 ± 0.699 χ^2/NDF : 924.7/21

Left Out: -59.724 ± 0.170 χ^2/NDF : 5789.8/24

Right Out: -72.097 ± 0.579 χ^2/NDF : 2457.3/25

Left In: -59.864 ± 0.173 χ^2/NDF : 5275.1/22

Left: -59.793 ± 0.121 χ^2/NDF : 11065.1/47

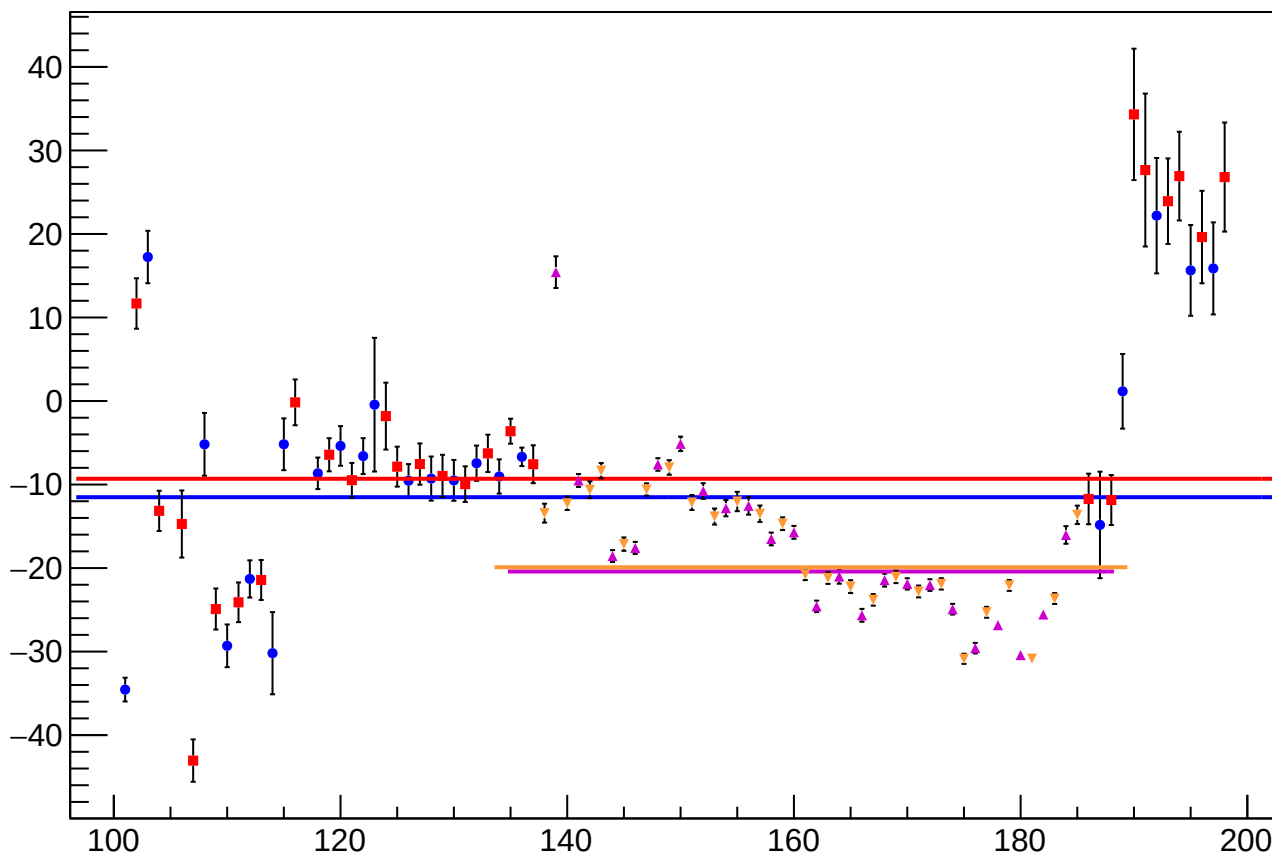
Right: -65.436 ± 0.446 χ^2/NDF : 3707.3/47

In: -59.626 ± 0.168 χ^2/NDF : 6232.8/44

Out: -60.710 ± 0.163 χ^2/NDF : 8667.2/50

All: -60.182 ± 0.117 χ^2/NDF : 14921.5/95

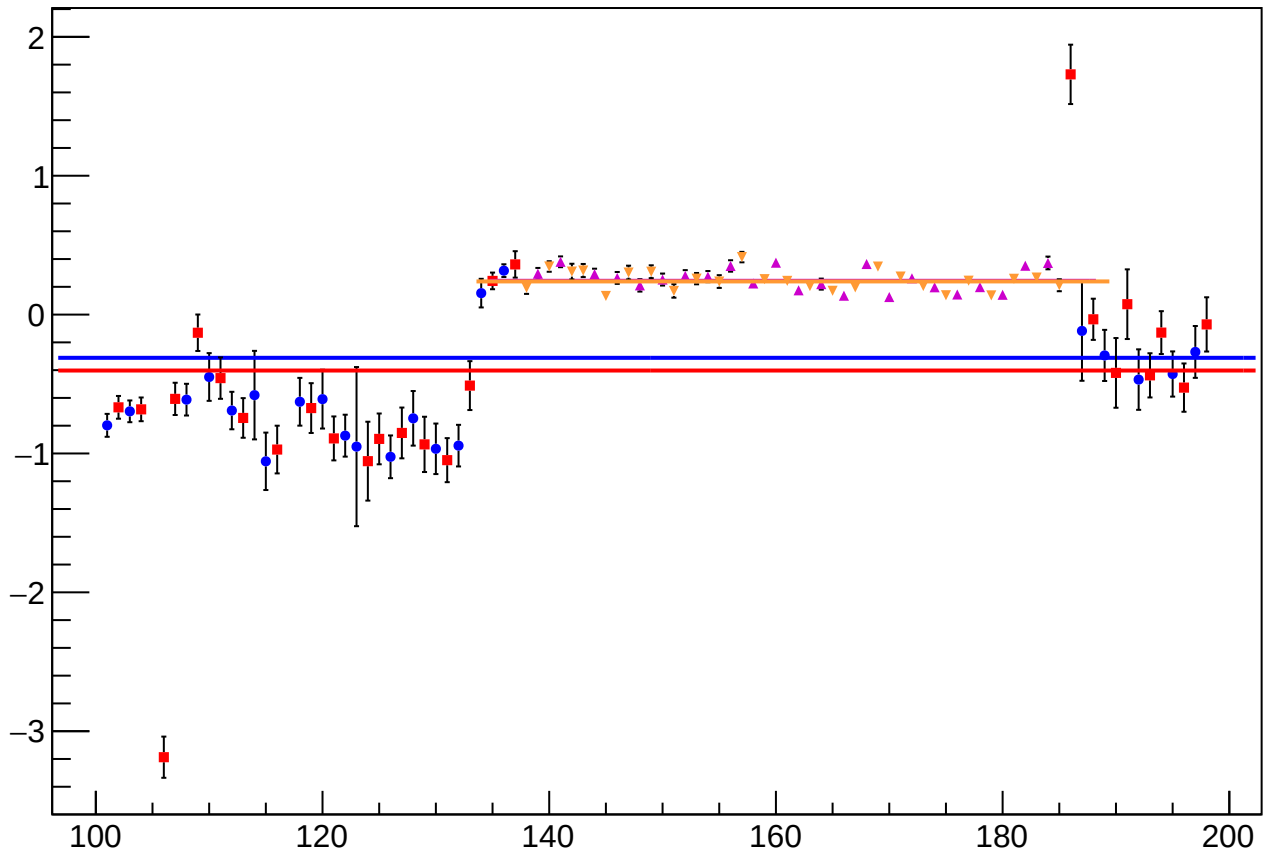
reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -11.516 ± 0.509 $\chi^2/\text{NDF}: 560.3/21$
 Left Out: -19.902 ± 0.153 $\chi^2/\text{NDF}: 1904.7/24$
 Right Out: -9.308 ± 0.525 $\chi^2/\text{NDF}: 563.6/25$
 Left In: -20.412 ± 0.156 $\chi^2/\text{NDF}: 2345.4/22$

Left: -20.152 ± 0.109 $\chi^2/\text{NDF}: 4255.5/47$
 Right: -10.446 ± 0.365 $\chi^2/\text{NDF}: 1133.1/47$
 In: -19.646 ± 0.149 $\chi^2/\text{NDF}: 3185.2/44$
 Out: -19.070 ± 0.147 $\chi^2/\text{NDF}: 2844.1/50$
 All: -19.354 ± 0.105 $\chi^2/\text{NDF}: 6036.9/95$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.311 ± 0.026 χ^2/NDF : 373.8/21

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.5/24

Right Out: -0.403 ± 0.026 χ^2/NDF : 748.3/25

Left In: 0.243 ± 0.007 χ^2/NDF : 139.2/22

Left: 0.241 ± 0.005 χ^2/NDF : 232.9/47

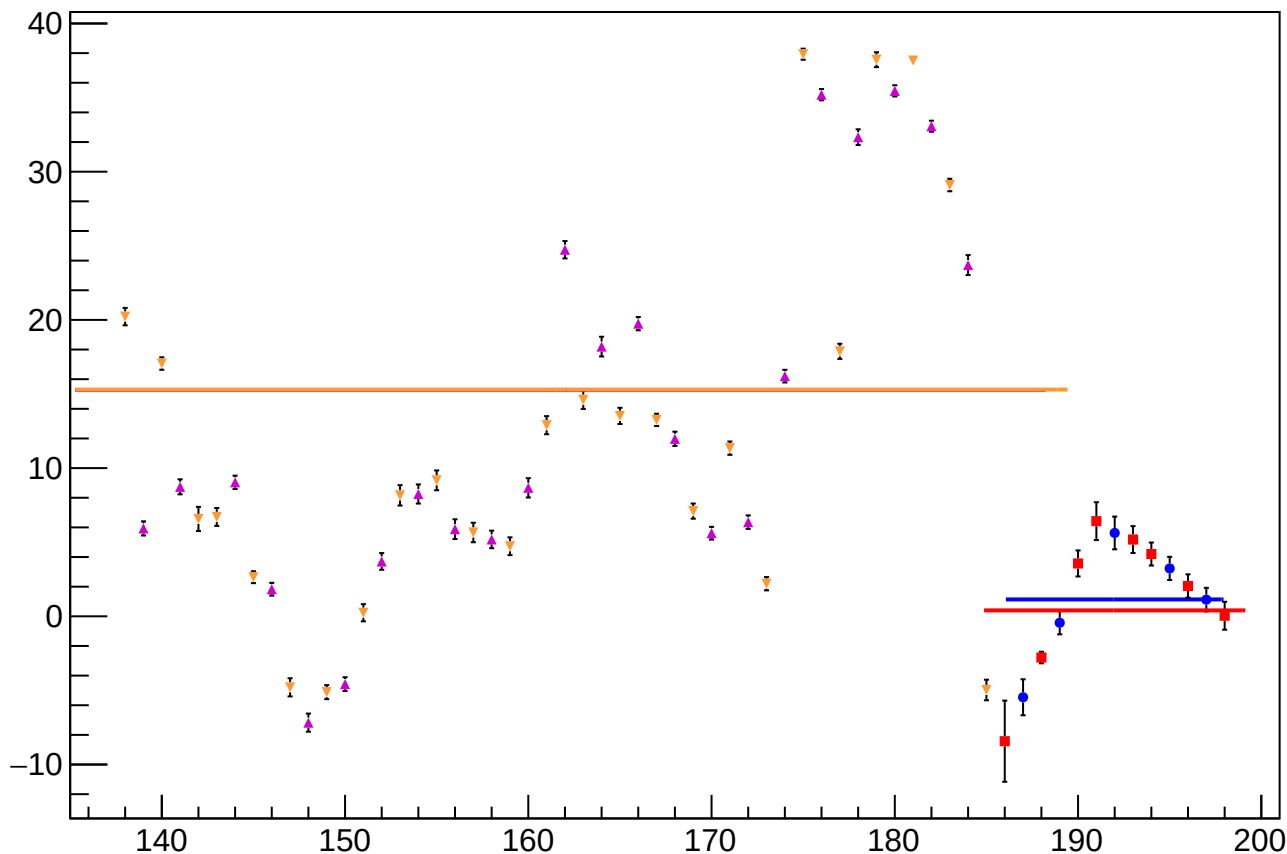
Right: -0.357 ± 0.019 χ^2/NDF : 1128.2/47

In: 0.205 ± 0.007 χ^2/NDF : 927.2/44

Out: 0.196 ± 0.007 χ^2/NDF : 1402.4/50

All: 0.200 ± 0.005 χ^2/NDF : 2330.6/95

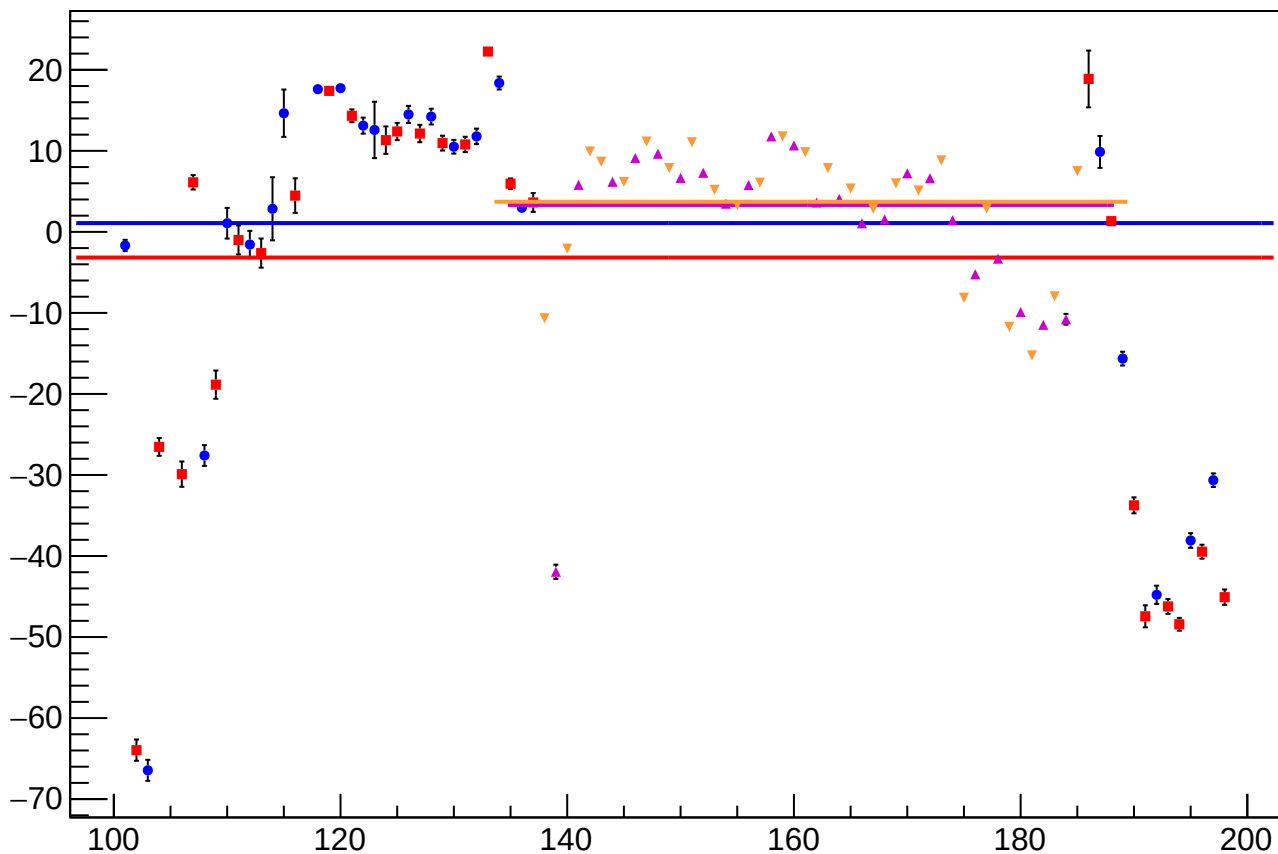
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.140 $\pm$ 0.396 χ^2 /NDF: 57.4/4
 Left Out: 15.298 $\pm$ 0.101 χ^2 /NDF:19135.0/24
 Right Out: 0.401 $\pm$ 0.265 χ^2 /NDF: 168.9/7
 Left In: 15.268 $\pm$ 0.102 χ^2 /NDF:16406.3/22

Left: 15.283 $\pm$ 0.072 χ^2 /NDF: 35541.3/47
 Right: 0.628 $\pm$ 0.220 χ^2 /NDF: 228.7/12
 In: 14.389 $\pm$ 0.099 χ^2 /NDF:17654.4/27
 Out: 13.414 $\pm$ 0.094 χ^2 /NDF:22072.6/32
 All: 13.878 $\pm$ 0.068 χ^2 /NDF: 39777.9/60

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.088 ± 0.194 $\chi^2/\text{NDF}: 11789.9/21$

Left Out: 3.717 ± 0.079 $\chi^2/\text{NDF}: 9201.0/24$

Right Out: -3.166 ± 0.177 $\chi^2/\text{NDF}: 20682.4/25$

Left In: 3.327 ± 0.081 $\chi^2/\text{NDF}: 8830.5/22$

Left: 3.527 ± 0.057 $\chi^2/\text{NDF}: 18043.4/47$

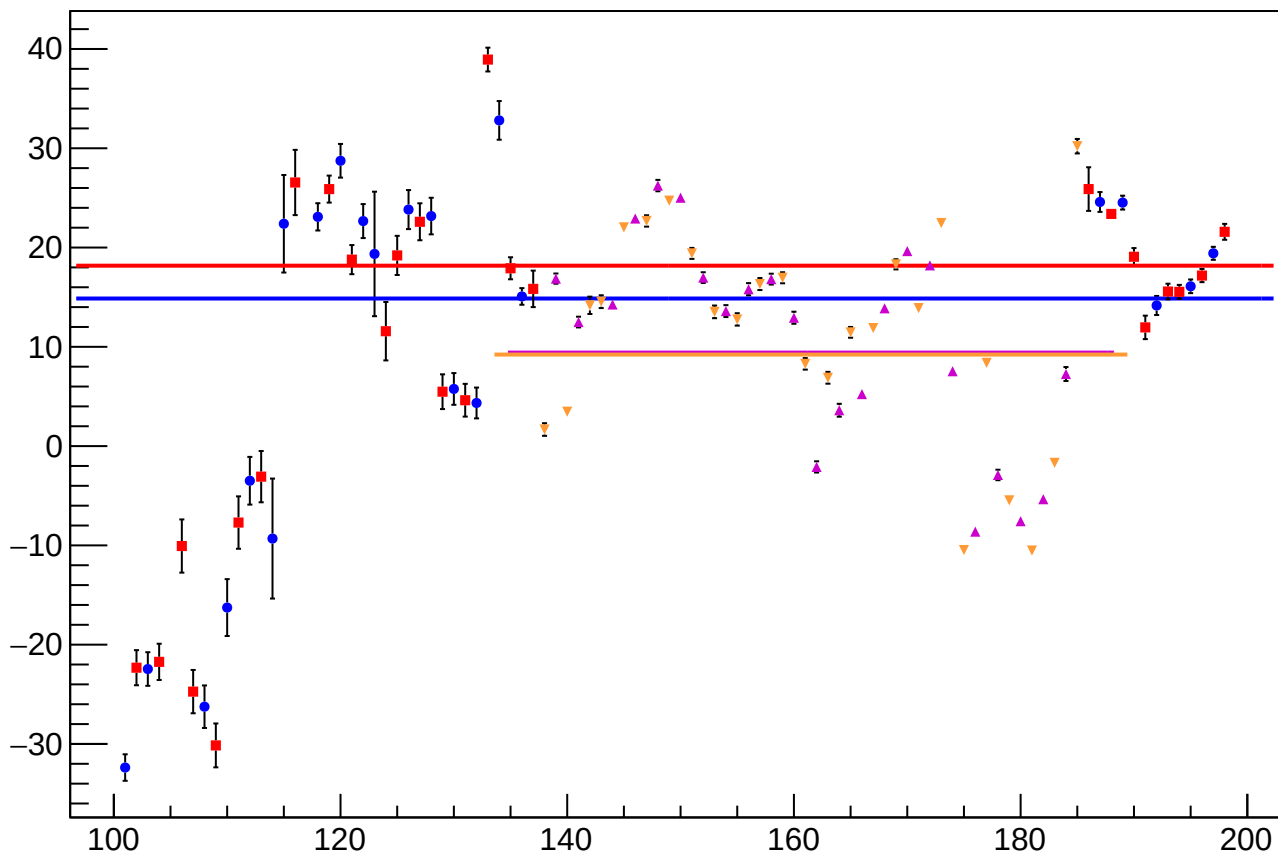
Right: -1.228 ± 0.131 $\chi^2/\text{NDF}: 32735.1/47$

In: 2.993 ± 0.075 $\chi^2/\text{NDF}: 20734.2/44$

Out: 2.576 ± 0.072 $\chi^2/\text{NDF}: 31143.5/50$

All: 2.777 ± 0.052 $\chi^2/\text{NDF}: 51893.8/95$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.866 $\pm$ 0.264 χ^2 /NDF: 2968.2/21

Left Out: 9.220 $\pm$ 0.101 χ^2 /NDF:13617.0/24

Right Out: 18.173 $\pm$ 0.198 χ^2 /NDF: 2973.4/25

Left In: 9.420 $\pm$ 0.102 χ^2 /NDF:12078.1/22

Left: 9.319 $\pm$ 0.072 χ^2 /NDF: 25697.1/47

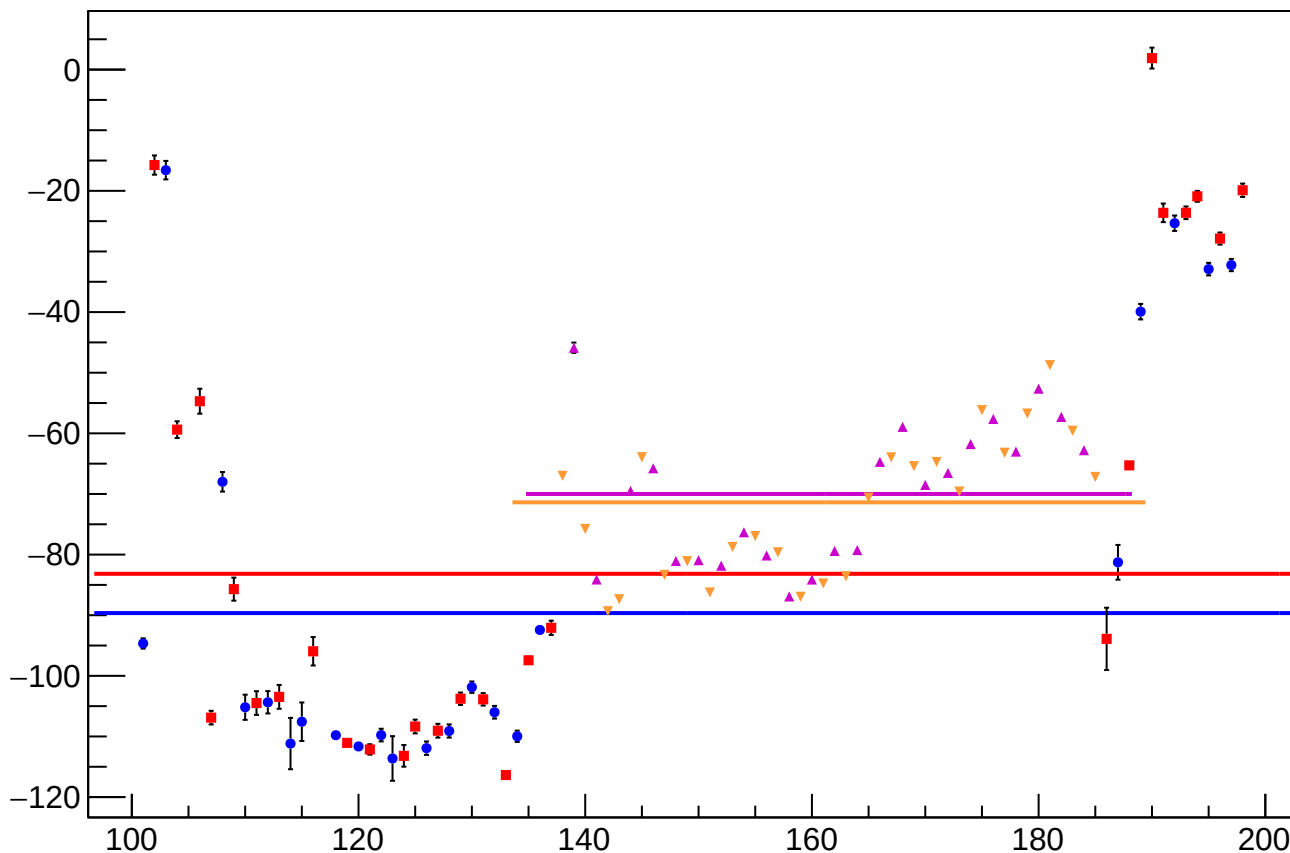
Right: 16.981 $\pm$ 0.158 χ^2 /NDF: 6042.1/47

In: 10.128 $\pm$ 0.095 χ^2 /NDF:15417.0/44

Out: 11.069 $\pm$ 0.090 χ^2 /NDF:18210.8/50

All: 10.625 $\pm$ 0.065 χ^2 /NDF: 33679.4/95

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -89.648 ± 0.226 χ^2/NDF : 16847.2/21

Left Out: -71.379 ± 0.089 χ^2/NDF : 16226.2/24

Right Out: -83.171 ± 0.210 χ^2/NDF : 30754.4/25

Left In: -69.999 ± 0.091 χ^2/NDF : 13188.0/22

Left: -70.704 ± 0.064 χ^2/NDF : 29530.5/47

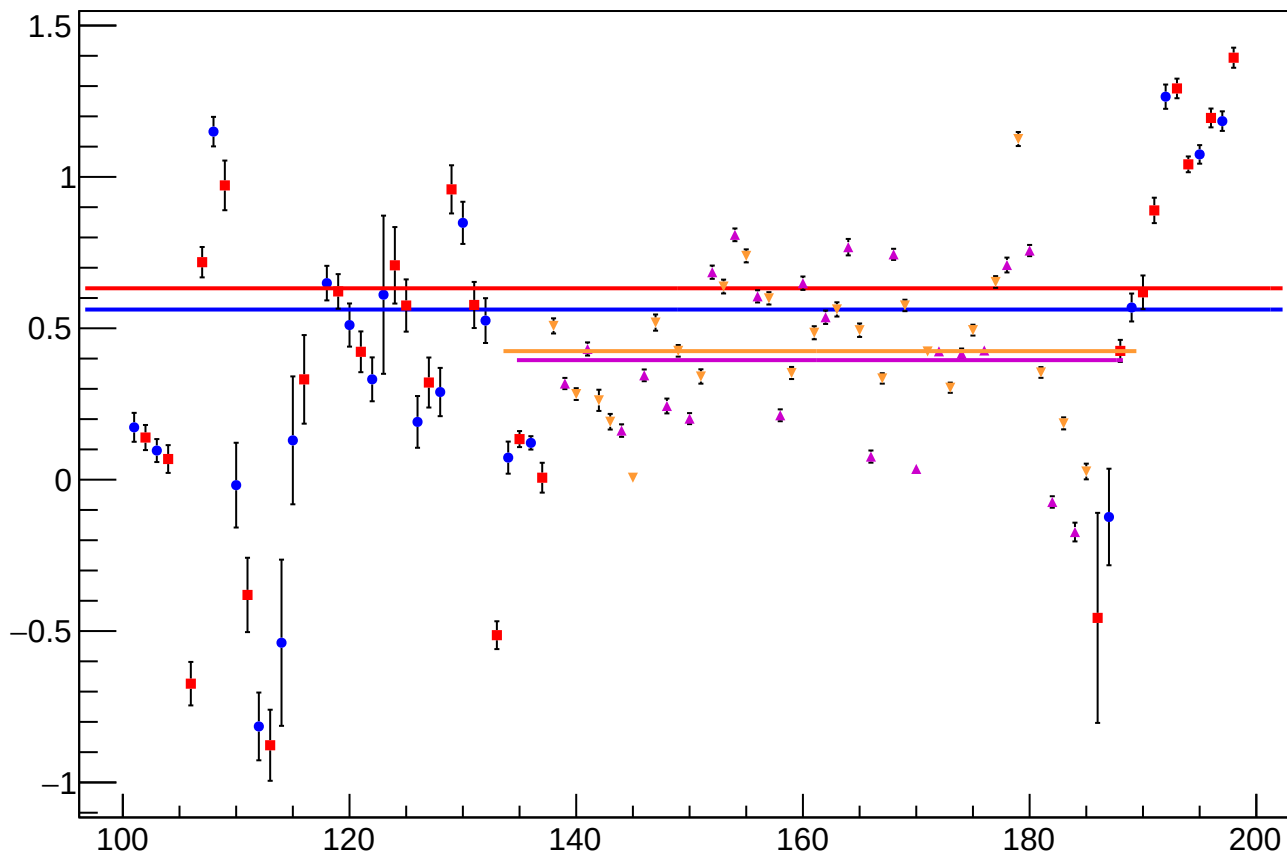
Right: -86.165 ± 0.154 χ^2/NDF : 48042.2/47

In: -72.755 ± 0.085 χ^2/NDF : 36516.6/44

Out: -73.193 ± 0.082 χ^2/NDF : 49652.5/50

All: -72.980 ± 0.059 χ^2/NDF : 86182.8/95

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.562 ± 0.011 χ^2/NDF : 2069.6/21

Left Out: 0.425 ± 0.004 χ^2/NDF : 2866.9/24

Right Out: 0.632 ± 0.009 χ^2/NDF : 3654.1/25

Left In: 0.395 ± 0.004 χ^2/NDF : 4063.1/22

Left: 0.410 ± 0.003 χ^2/NDF : 6956.2/47

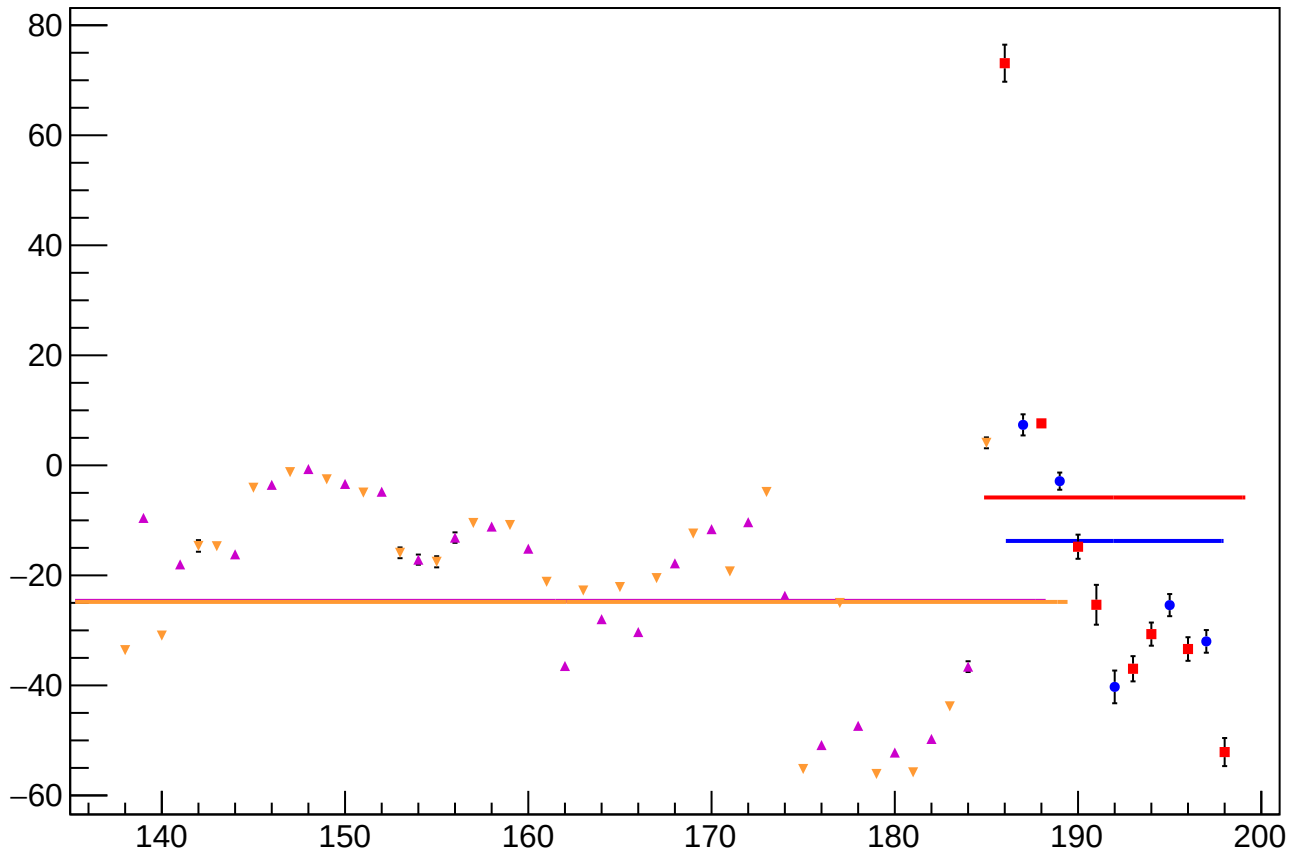
Right: 0.602 ± 0.007 χ^2/NDF : 5748.0/47

In: 0.416 ± 0.004 χ^2/NDF : 6343.5/44

Out: 0.458 ± 0.004 χ^2/NDF : 6936.5/50

All: 0.438 ± 0.003 χ^2/NDF : 13340.3/95

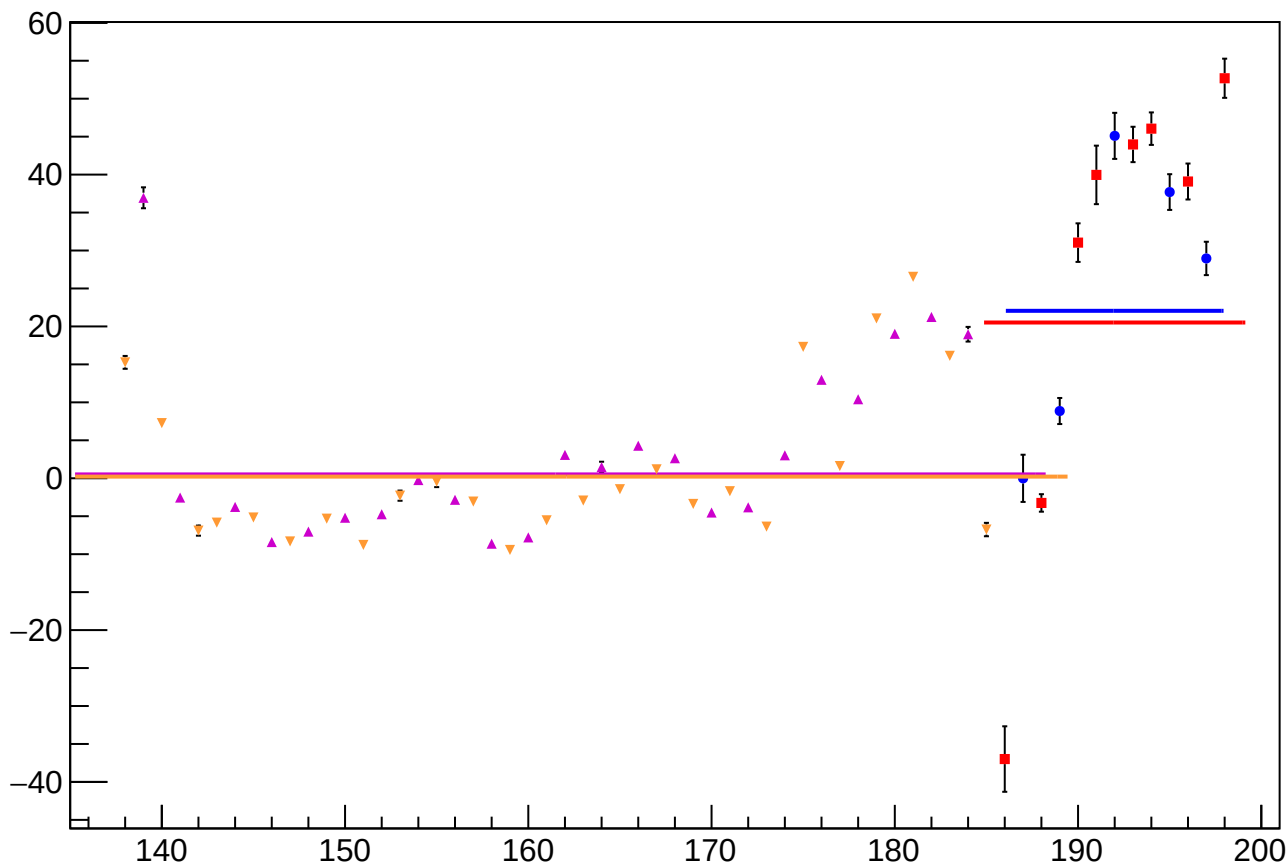
reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.742 ± 0.885 χ^2/NDF : 360.9/4
 Left Out: -24.824 ± 0.140 χ^2/NDF : 18274.6/24
 Right Out: -5.839 ± 0.606 χ^2/NDF : 1695.2/7
 Left In: -24.635 ± 0.142 χ^2/NDF : 14947.9/22

Left: -24.731 ± 0.100 χ^2/NDF : 33223.4/47
 Right: -8.365 ± 0.500 χ^2/NDF : 2110.4/12
 In: -24.361 ± 0.140 χ^2/NDF : 15456.5/27
 Out: -23.868 ± 0.136 χ^2/NDF : 20900.4/32
 All: -24.107 ± 0.098 χ^2/NDF : 36363.3/60

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.056 $\pm$ 1.032 χ^2 /NDF: 221.2/4

Left Out: 0.218 $\pm$ 0.109 χ^2 /NDF:8252.6/24

Right Out: 20.517 $\pm$ 0.754 χ^2 /NDF: 1106.2/7

Left In: 0.507 $\pm$ 0.112 χ^2 /NDF:6626.9/22

Left: 0.358 $\pm$ 0.078 χ^2 /NDF: 14883.0/47

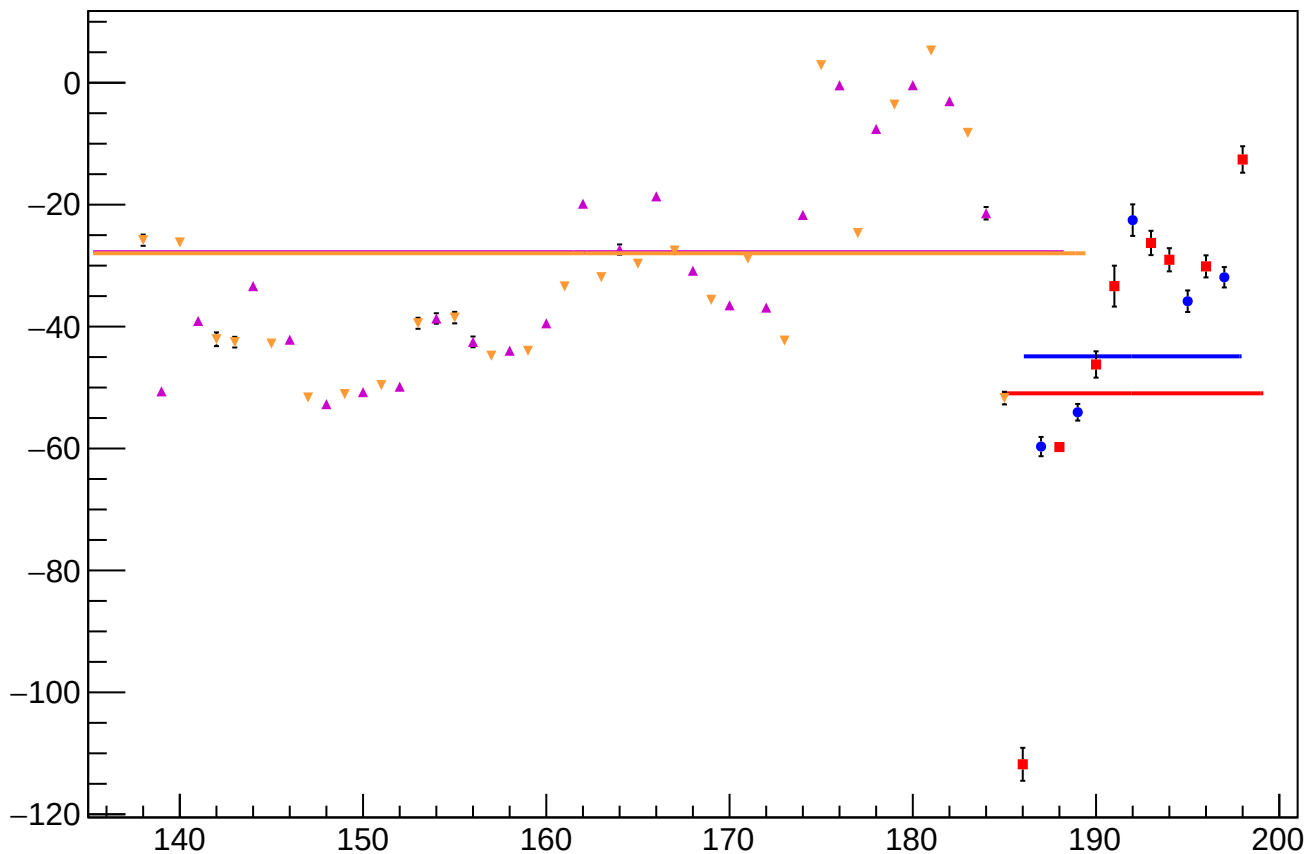
Right: 21.052 $\pm$ 0.609 χ^2 /NDF: 1328.9/12

In: 0.757 $\pm$ 0.111 χ^2 /NDF:7279.0/27

Out: 0.632 $\pm$ 0.108 χ^2 /NDF:10069.2/32

All: 0.692 $\pm$ 0.077 χ^2 /NDF: 17348.9/60

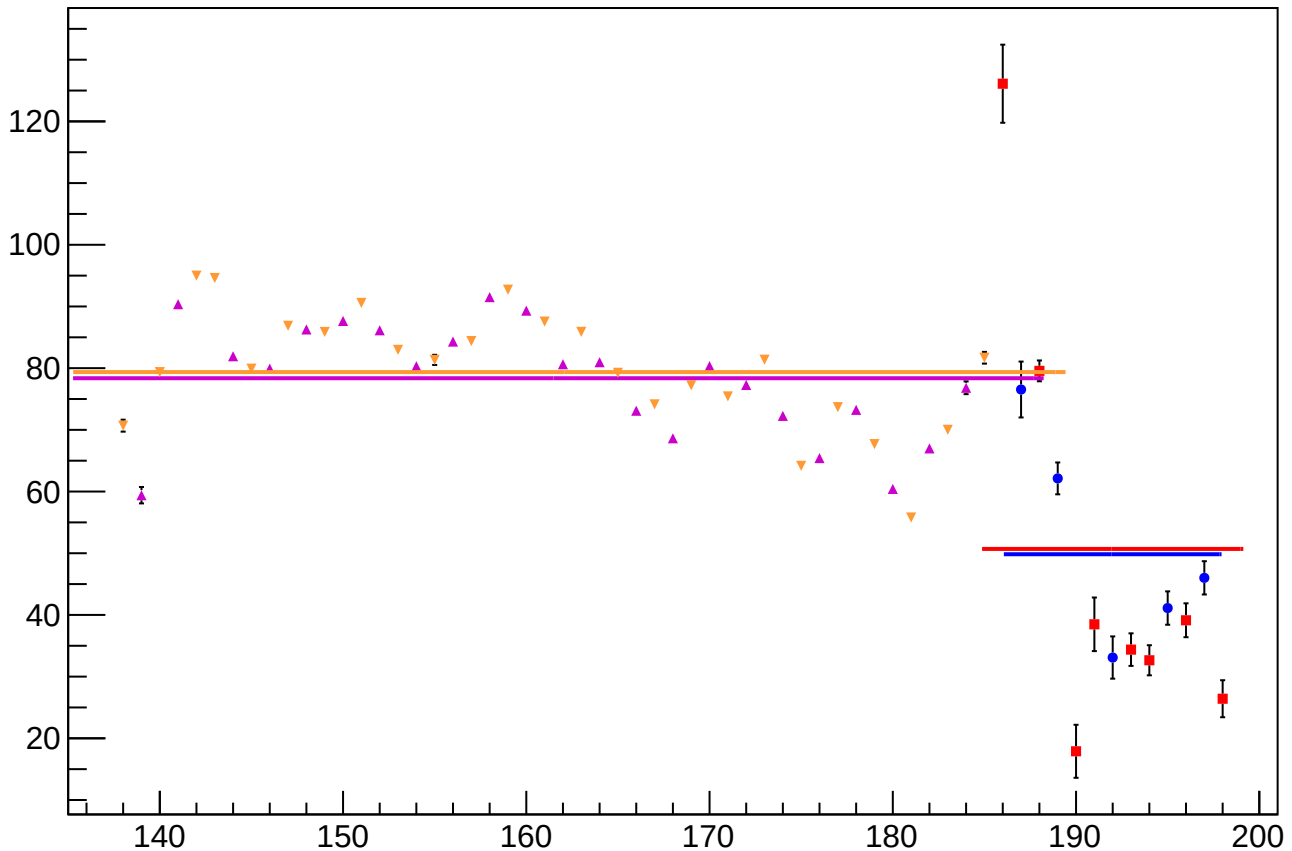
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.882 ± 0.753 $\chi^2/\text{NDF}: 293.9/4$
 Left Out: -27.977 ± 0.140 $\chi^2/\text{NDF}: 17079.0/24$
 Right Out: -50.949 ± 0.508 $\chi^2/\text{NDF}: 1453.3/7$
 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: -49.049 ± 0.421 $\chi^2/\text{NDF}: 1791.8/12$
 In: -28.381 ± 0.139 $\chi^2/\text{NDF}: 15984.7/27$
 Out: -29.600 ± 0.135 $\chi^2/\text{NDF}: 20430.5/32$
 All: -29.009 ± 0.097 $\chi^2/\text{NDF}: 36454.6/60$

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.838+/-1.338 χ^2/NDF : 93.8/4

Left Out: 79.364+/-0.123 χ^2/NDF : 5966.3/24

Right Out: 50.698+/-0.981 χ^2/NDF : 677.4/7

Left In: 78.367+/-0.126 χ^2/NDF : 4735.5/22

Left: 78.877+/-0.088 χ^2/NDF : 10733.6/47

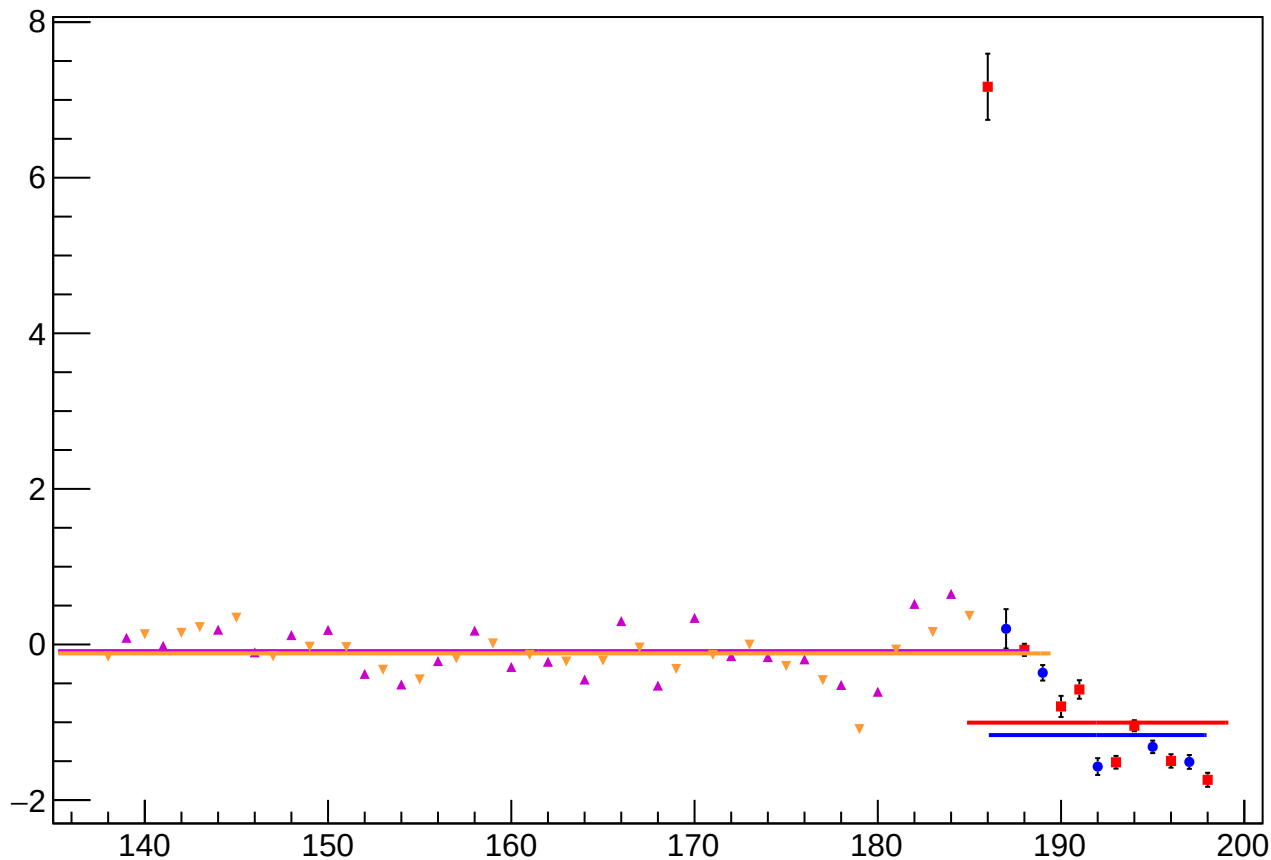
Right: 50.397+/-0.791 χ^2/NDF : 771.5/12

In: 78.115+/-0.126 χ^2/NDF : 5279.6/27

Out: 78.917+/-0.123 χ^2/NDF : 7484.3/32

All: 78.526+/-0.088 χ^2/NDF : 12784.8/60

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.165 ± 0.046 χ^2/NDF : 126.0/4

Left Out: -0.115 ± 0.006 χ^2/NDF : 2288.7/24

Right Out: -1.005 ± 0.033 χ^2/NDF : 667.2/7

Left In: -0.085 ± 0.006 χ^2/NDF : 3148.4/22

Left: -0.100 ± 0.004 χ^2/NDF : 5450.5/47

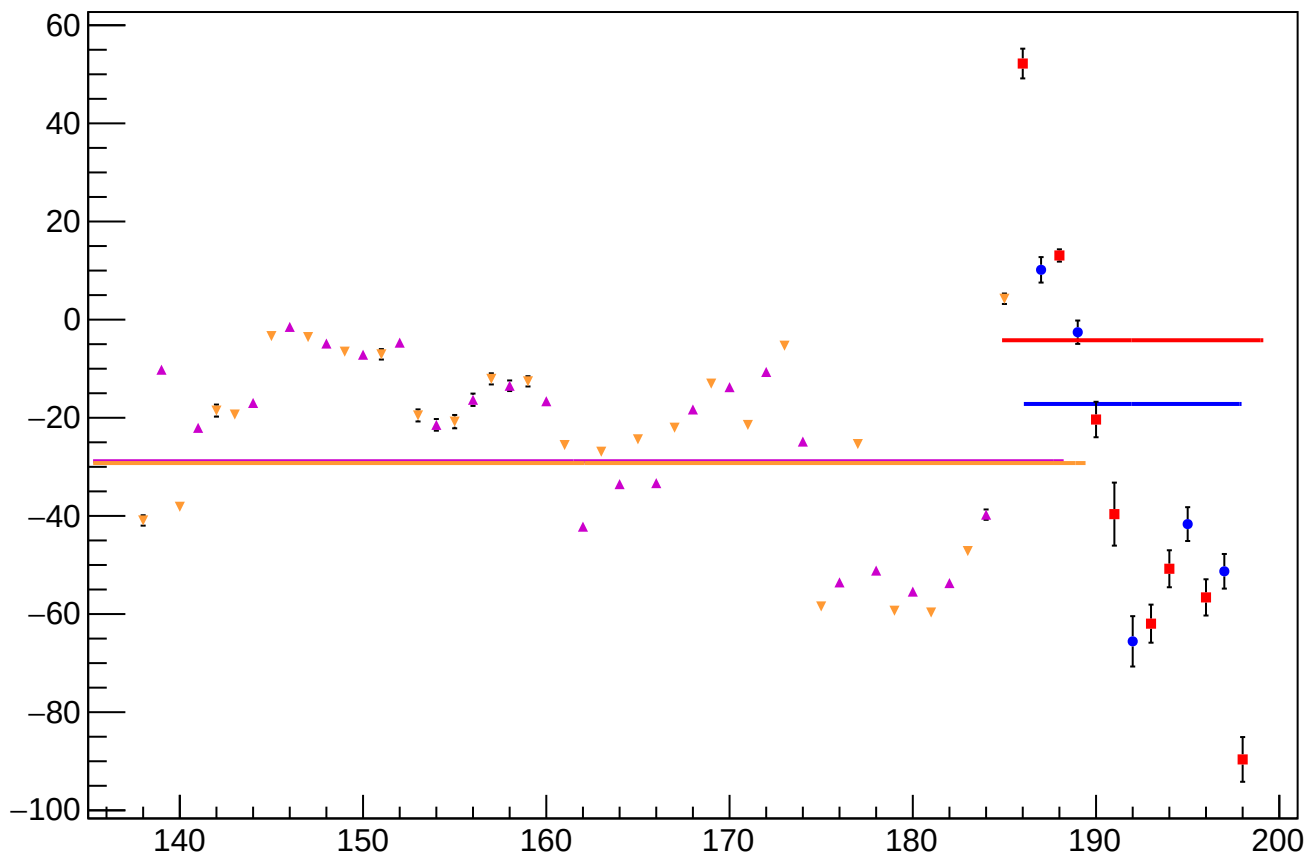
Right: -1.060 ± 0.027 χ^2/NDF : 801.2/12

In: -0.102 ± 0.006 χ^2/NDF : 3827.4/27

Out: -0.140 ± 0.006 χ^2/NDF : 3649.8/32

All: -0.121 ± 0.004 χ^2/NDF : 7499.5/60

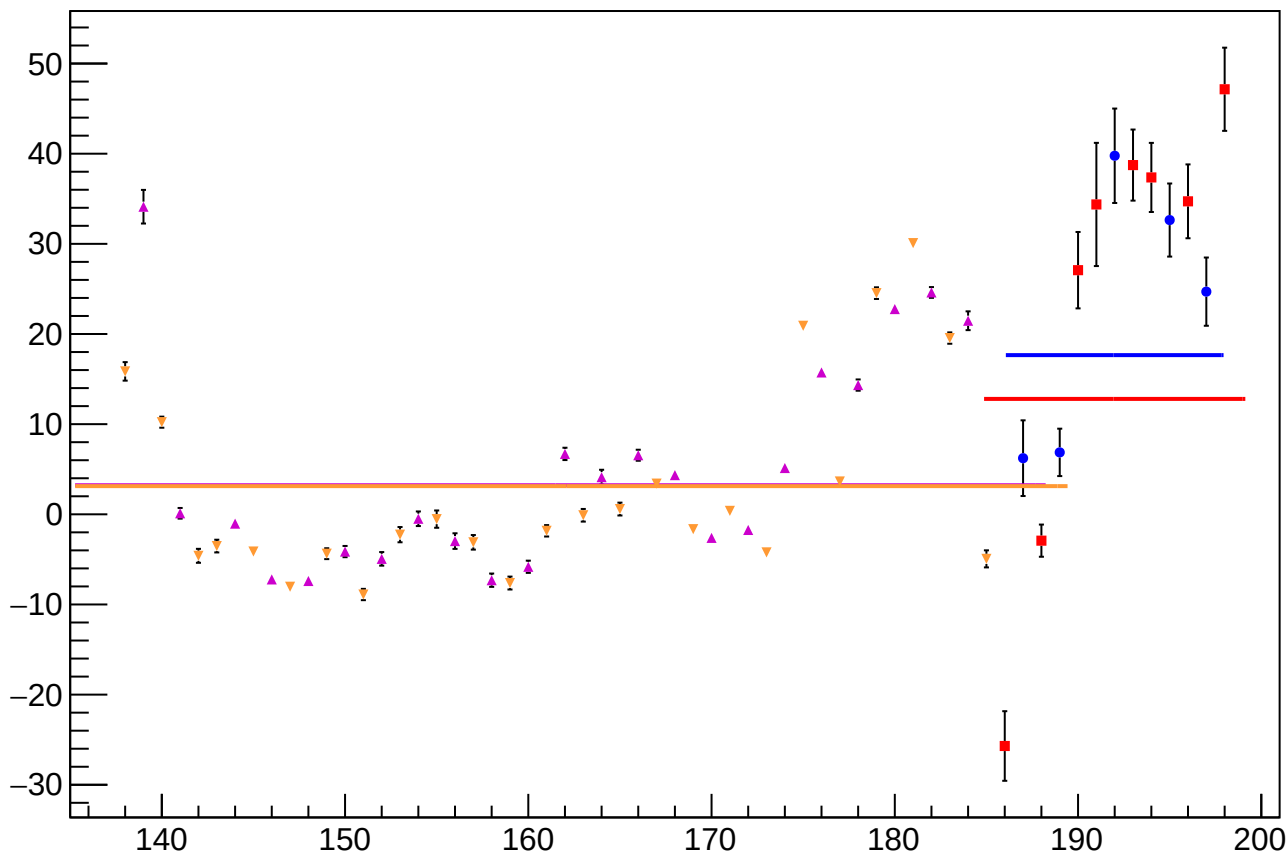
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.184 ± 1.377 $\chi^2/\text{NDF}: 381.3/4$
 Left Out: -29.227 ± 0.157 $\chi^2/\text{NDF}: 16880.0/24$
 Right Out: -4.200 ± 0.951 $\chi^2/\text{NDF}: 1513.7/7$
 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: -8.392 ± 0.783 $\chi^2/\text{NDF}: 1955.2/12$
 In: -28.703 ± 0.158 $\chi^2/\text{NDF}: 14005.8/27$
 Out: -28.563 ± 0.155 $\chi^2/\text{NDF}: 19067.8/32$
 All: -28.632 ± 0.111 $\chi^2/\text{NDF}: 33074.1/60$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.657 $\pm$ 1.647 χ^2 /NDF: 59.2/4

Left Out: 3.126 $\pm$ 0.125 χ^2 /NDF:8049.0/24

Right Out: 12.801 $\pm$ 1.198 χ^2 /NDF: 366.8/7

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

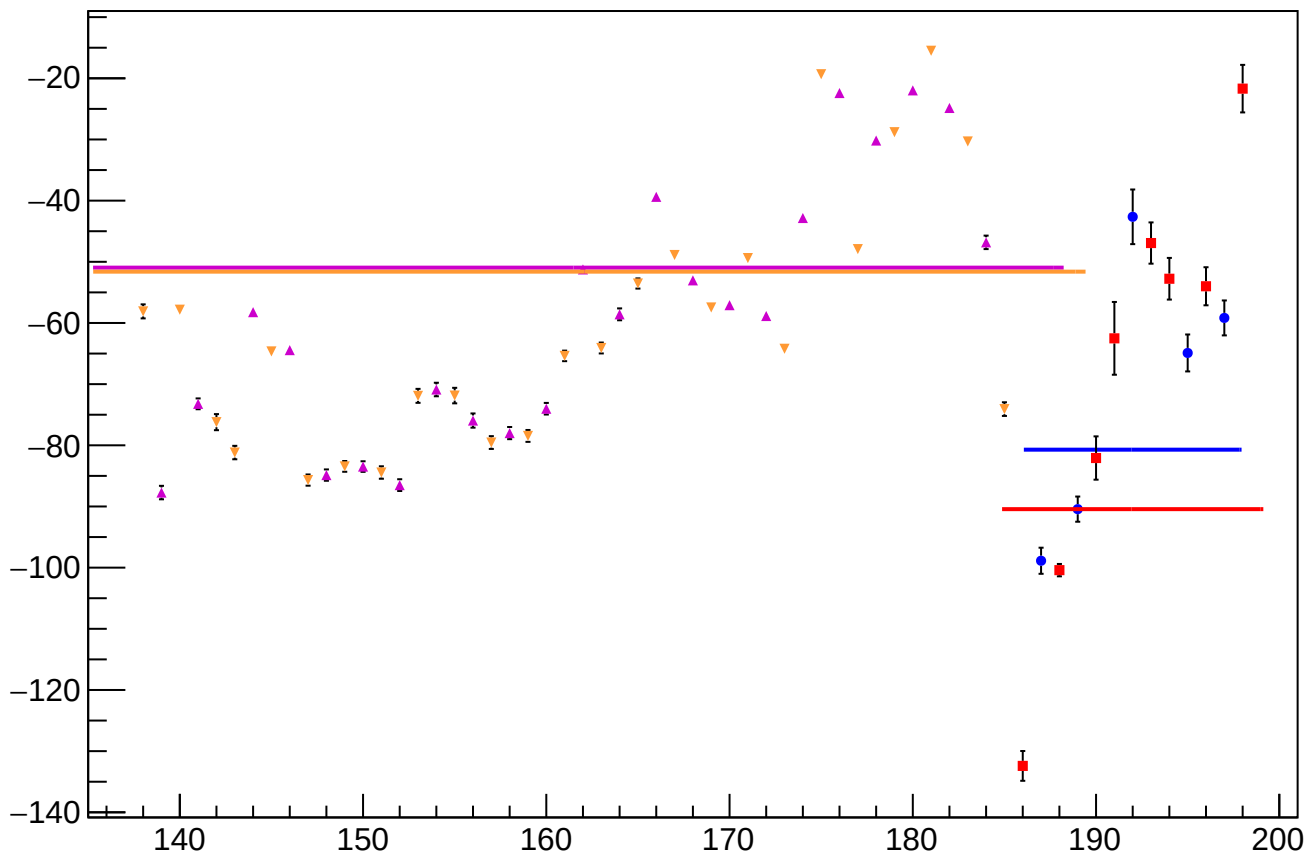
Right: 14.481 $\pm$ 0.969 χ^2 /NDF: 431.7/12

In: 3.309 $\pm$ 0.126 χ^2 /NDF:6409.5/27

Out: 3.229 $\pm$ 0.124 χ^2 /NDF:8480.3/32

All: 3.268 $\pm$ 0.088 χ^2 /NDF: 14890.1/60

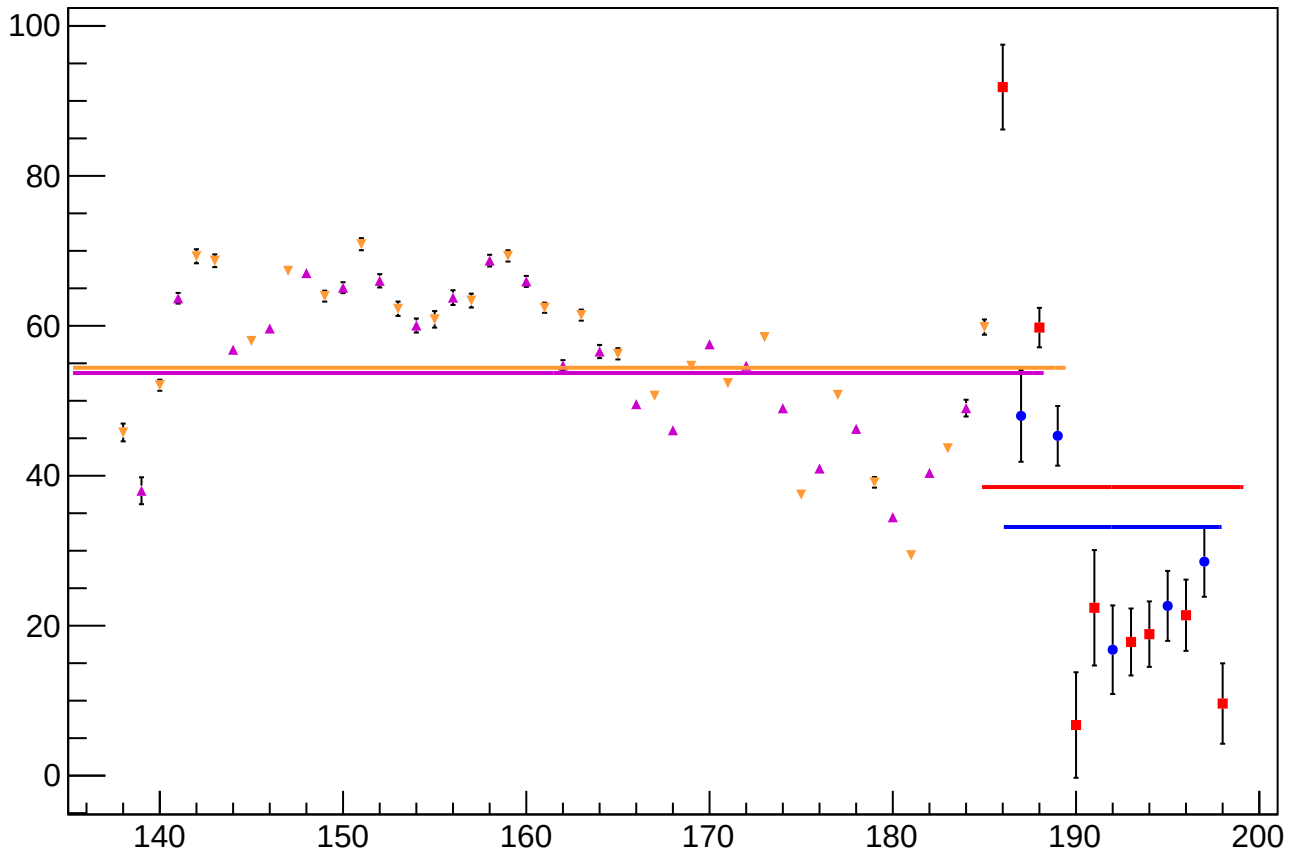
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -80.713 ± 1.164 $\chi^2/\text{NDF}: 251.7/4$
 Left Out: -51.610 ± 0.158 $\chi^2/\text{NDF}: 19384.9/24$
 Right Out: -90.437 ± 0.791 $\chi^2/\text{NDF}: 1160.8/7$
 Left In: -50.954 ± 0.159 $\chi^2/\text{NDF}: 17472.2/22$

Left: -51.285 ± 0.112 $\chi^2/\text{NDF}: 36865.6/47$
 Right: -87.367 ± 0.654 $\chi^2/\text{NDF}: 1460.2/12$
 In: -51.502 ± 0.158 $\chi^2/\text{NDF}: 18365.3/27$
 Out: -53.103 ± 0.155 $\chi^2/\text{NDF}: 22863.7/32$
 All: -52.317 ± 0.111 $\chi^2/\text{NDF}: 41281.3/60$

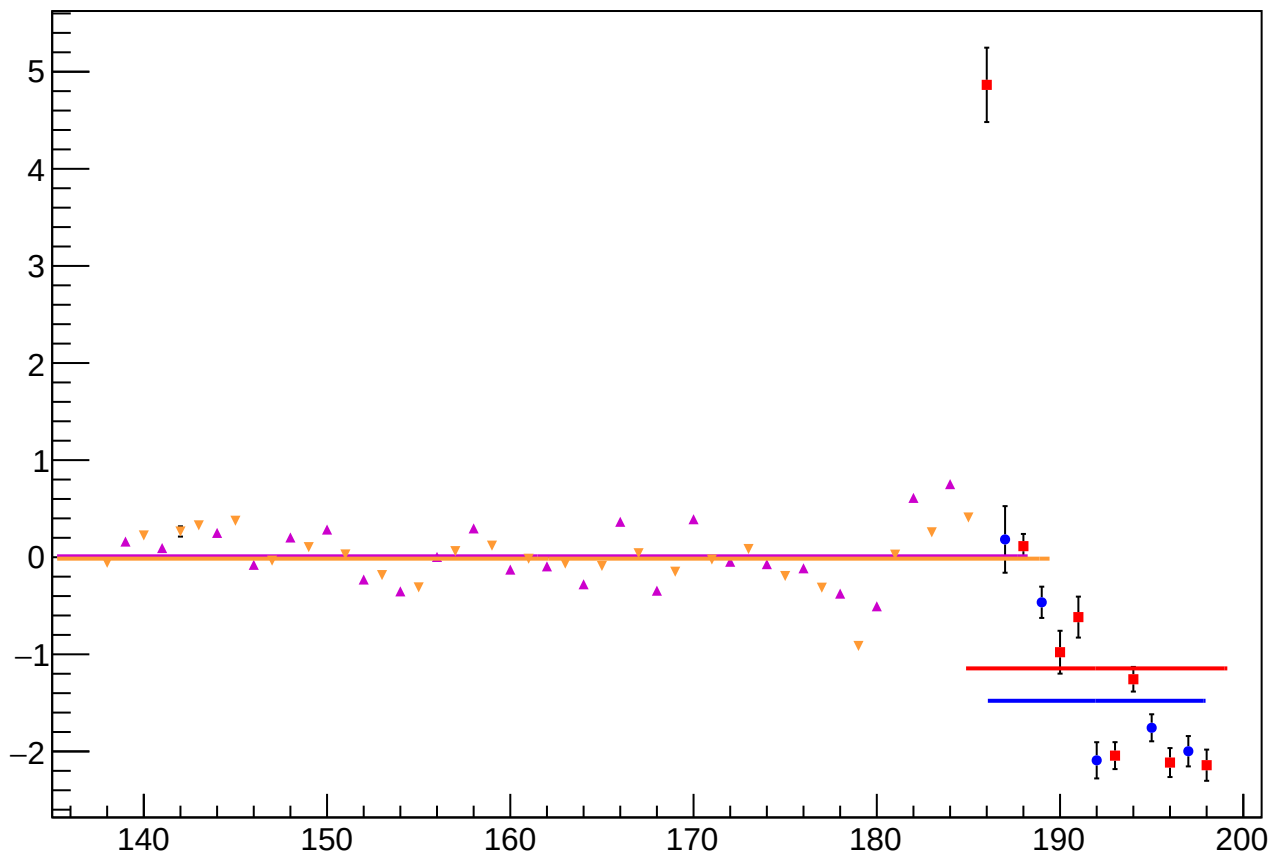
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.164 ± 2.182 $\chi^2/\text{NDF}: 28.9/4$
 Left Out: 54.407 ± 0.141 $\chi^2/\text{NDF}: 6200.4/24$
 Right Out: 38.493 ± 1.593 $\chi^2/\text{NDF}: 262.4/7$
 Left In: 53.704 ± 0.143 $\chi^2/\text{NDF}: 4603.5/22$

Left: 54.060 ± 0.100 $\chi^2/\text{NDF}: 10816.3/47$
 Right: 36.641 ± 1.287 $\chi^2/\text{NDF}: 295.2/12$
 In: 53.616 ± 0.142 $\chi^2/\text{NDF}: 4720.6/27$
 Out: 54.284 ± 0.140 $\chi^2/\text{NDF}: 6561.9/32$
 All: 53.955 ± 0.100 $\chi^2/\text{NDF}: 11293.7/60$

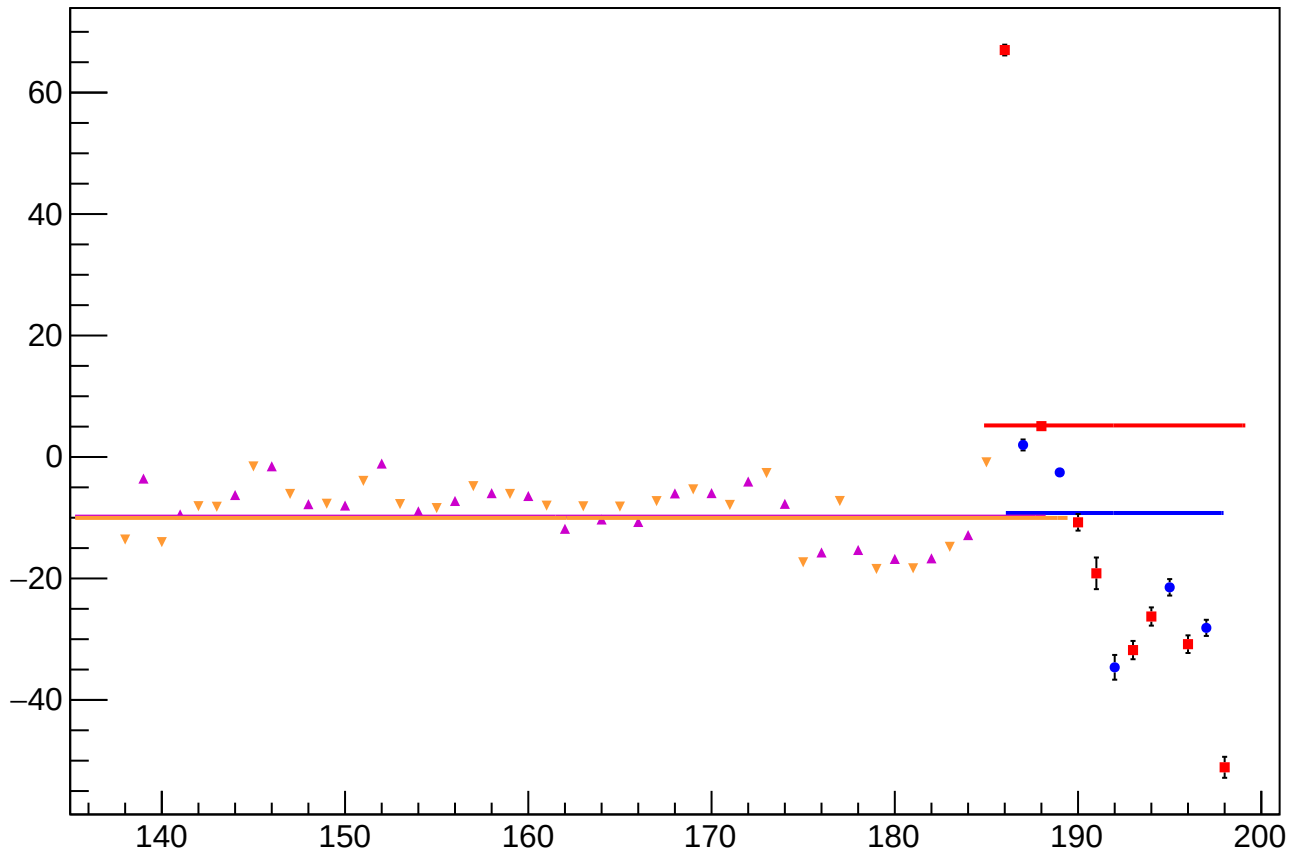
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.478 ± 0.077 $\chi^2/\text{NDF}: 89.0/4$
 Left Out: -0.015 ± 0.006 $\chi^2/\text{NDF}: 1645.9/24$
 Right Out: -1.145 ± 0.057 $\chi^2/\text{NDF}: 476.7/7$
 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: -1.262 ± 0.046 $\chi^2/\text{NDF}: 577.8/12$
 In: -0.001 ± 0.007 $\chi^2/\text{NDF}: 2688.0/27$
 Out: -0.029 ± 0.006 $\chi^2/\text{NDF}: 2514.4/32$
 All: -0.015 ± 0.005 $\chi^2/\text{NDF}: 5211.8/60$

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.219+/-0.498 χ^2/NDF : 658.8/4

Left Out: -10.030+/-0.051 χ^2/NDF :12530.2/24

Right Out: 5.195+/-0.339 χ^2/NDF : 7821.8/7

Left In: -9.820+/-0.051 χ^2/NDF :9468.8/22

Left: -9.926+/-0.036 χ^2/NDF : 22007.5/47

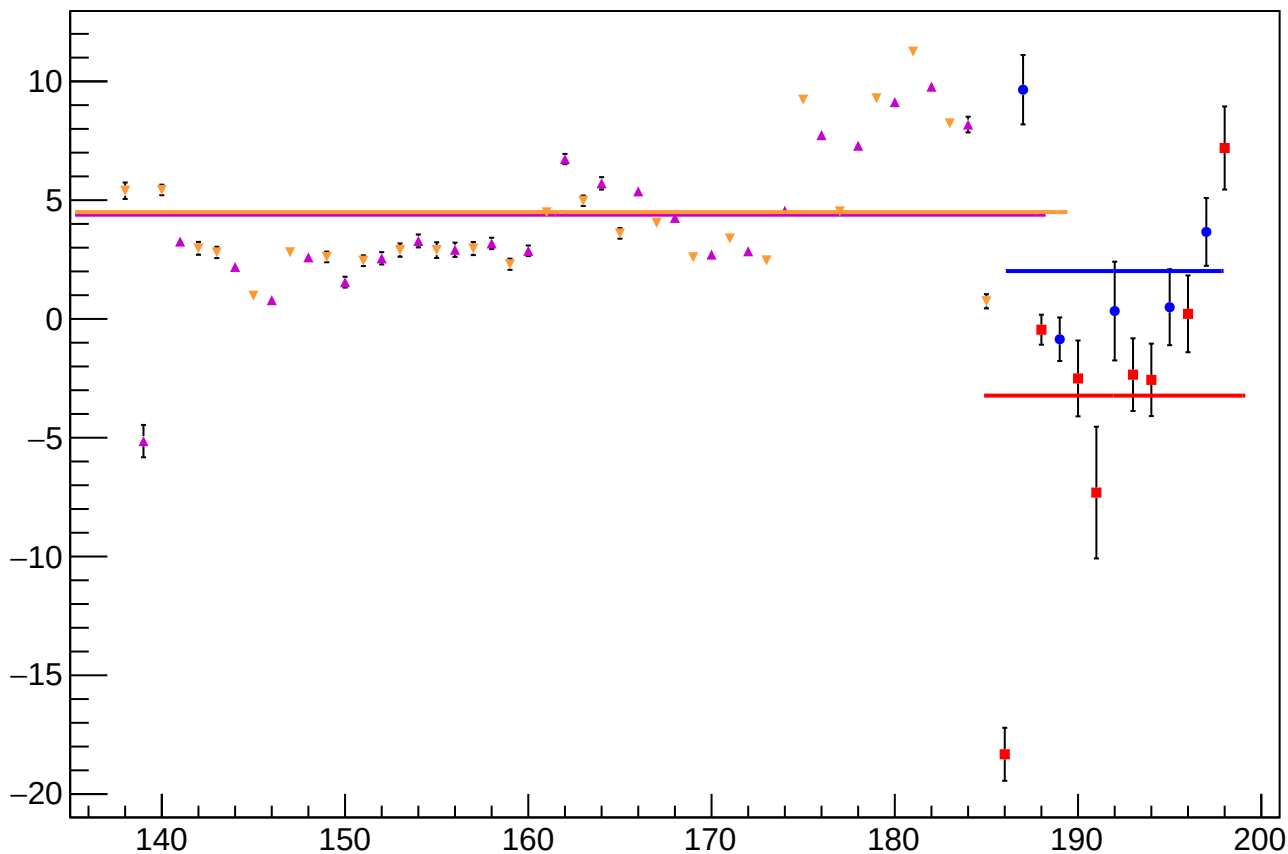
Right: 0.625+/-0.280 χ^2/NDF : 9053.2/12

In: -9.814+/-0.051 χ^2/NDF :10129.1/27

Out: -9.697+/-0.050 χ^2/NDF :22322.7/32

All: -9.754+/-0.036 χ^2/NDF : 32454.4/60

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.016 $\pm$ 0.601 χ^2 /NDF: 40.0/4

Left Out: 4.499 $\pm$ 0.041 χ^2 /NDF: 4809.3/24

Right Out: -3.228 $\pm$ 0.430 χ^2 /NDF: 245.3/7

Left In: 4.388 $\pm$ 0.041 χ^2 /NDF: 4266.4/22

Left: 4.444 $\pm$ 0.029 χ^2 /NDF: 9079.4/47

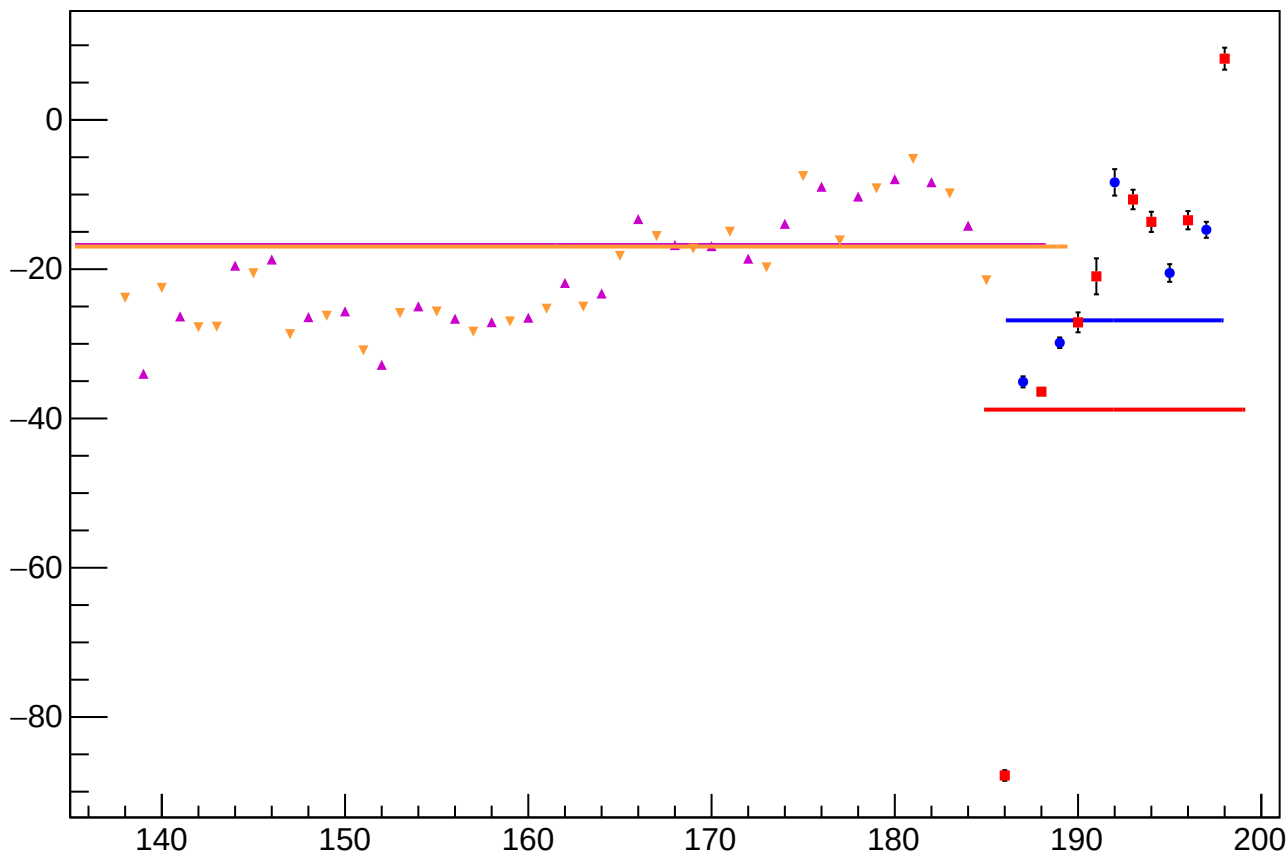
Right: -1.452 $\pm$ 0.350 χ^2 /NDF: 335.7/12

In: 4.377 $\pm$ 0.041 χ^2 /NDF: 4321.9/27

Out: 4.430 $\pm$ 0.041 χ^2 /NDF: 5374.5/32

All: 4.404 $\pm$ 0.029 χ^2 /NDF: 9697.2/60

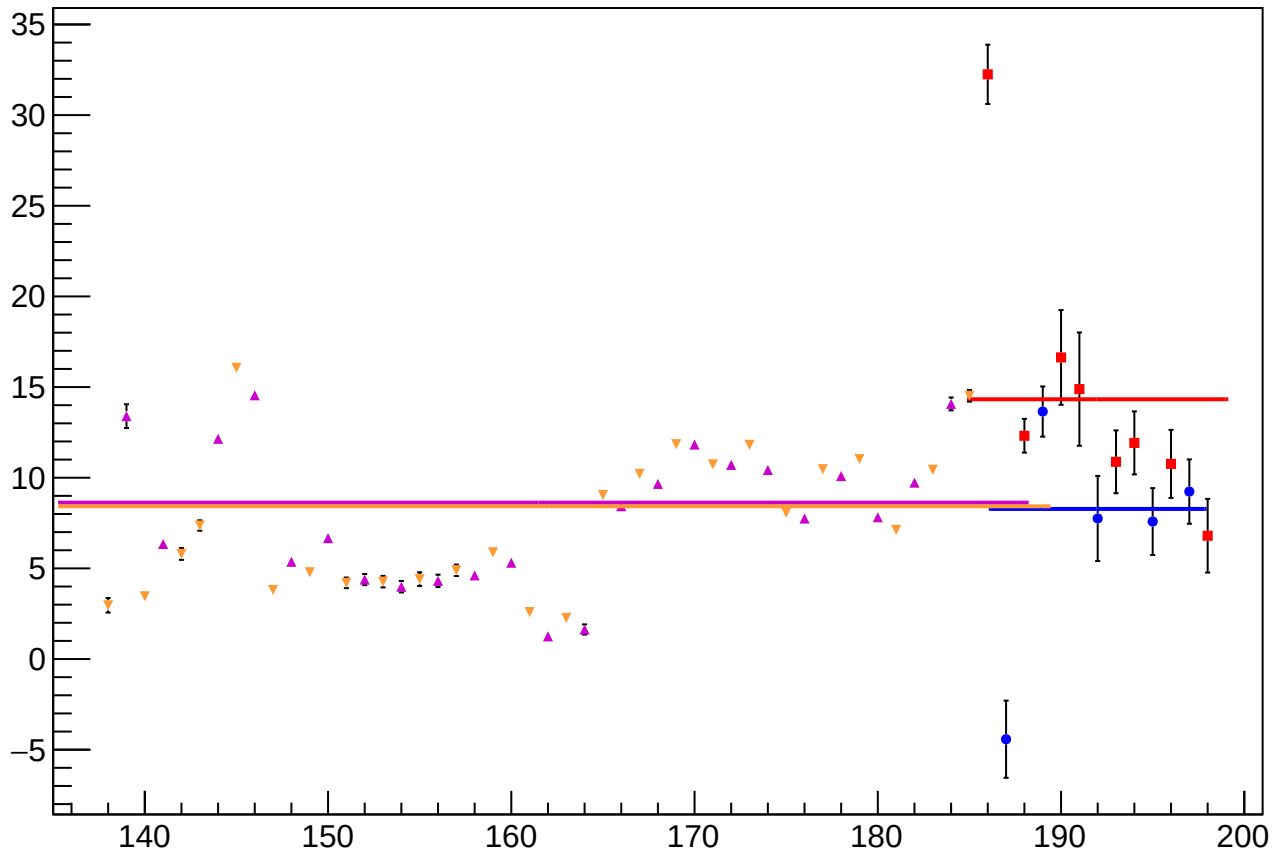
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -26.855 $\pm$ 0.419 χ^2 /NDF: 406.6/4
 Left Out: -16.965 $\pm$ 0.051 χ^2 /NDF:21902.1/24
 Right Out: -38.814 $\pm$ 0.281 χ^2 /NDF: 7187.0/7
 Left In: -16.764 $\pm$ 0.051 χ^2 /NDF:19037.7/22

Left: -16.865 $\pm$ 0.036 χ^2 /NDF: 40947.4/47
 Right: -35.111 $\pm$ 0.233 χ^2 /NDF: 8156.2/12
 In: -16.913 $\pm$ 0.051 χ^2 /NDF:20016.0/27
 Out: -17.668 $\pm$ 0.050 χ^2 /NDF:34959.7/32
 All: -17.295 $\pm$ 0.036 χ^2 /NDF: 55086.6/60

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.279+/-0.807 χ^2/NDF : 51.1/4

Left Out: 8.424+/-0.046 χ^2/NDF : 6478.6/24

Right Out: 14.327+/-0.581 χ^2/NDF : 148.8/7

Left In: 8.626+/-0.046 χ^2/NDF : 5531.9/22

Left: 8.524+/-0.032 χ^2/NDF : 12020.2/47

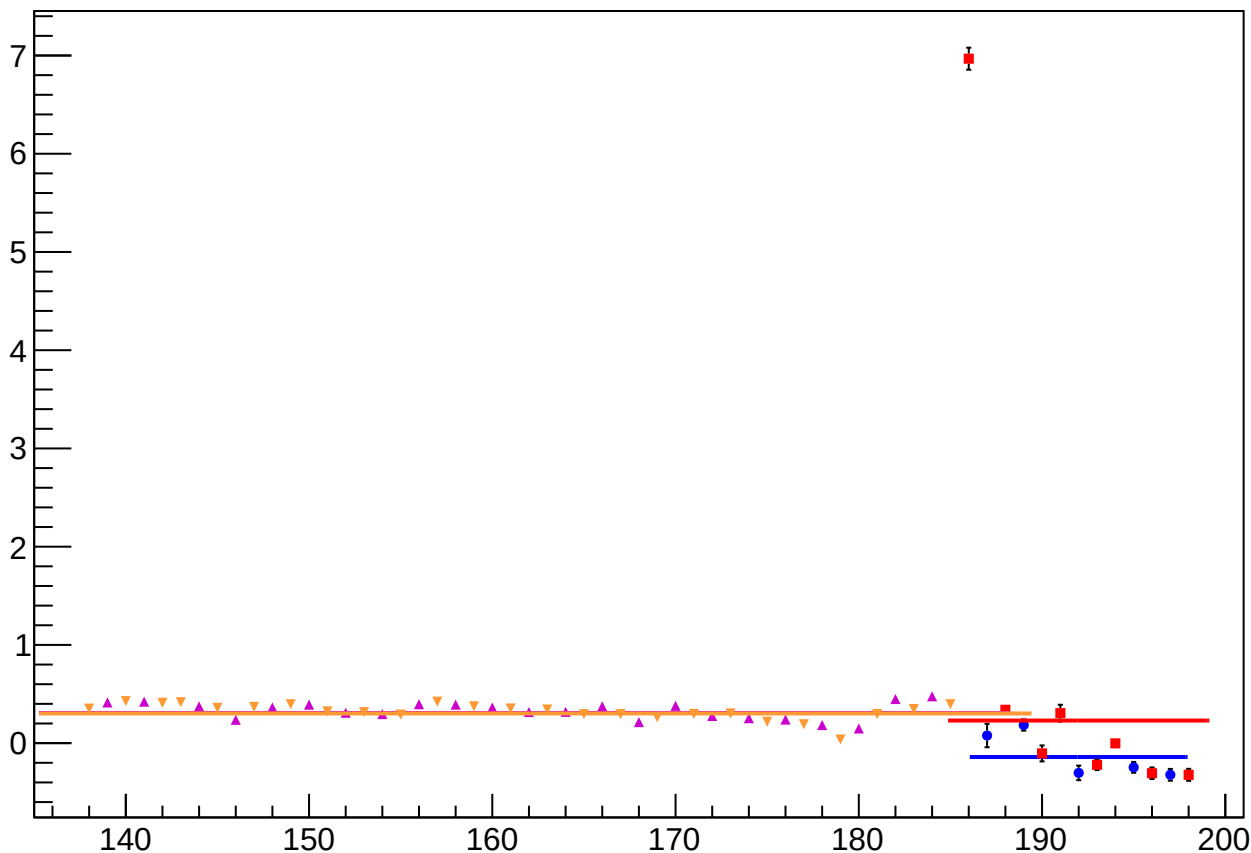
Right: 12.264+/-0.471 χ^2/NDF : 236.9/12

In: 8.625+/-0.046 χ^2/NDF : 5583.2/27

Out: 8.460+/-0.045 χ^2/NDF : 6730.1/32

All: 8.542+/-0.032 χ^2/NDF : 12319.8/60

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.141 ± 0.029 $\chi^2/\text{NDF}: 53.2/4$

Left Out: 0.302 ± 0.002 $\chi^2/\text{NDF}: 1589.8/24$

Right Out: 0.230 ± 0.022 $\chi^2/\text{NDF}: 3886.4/7$

Left In: 0.307 ± 0.002 $\chi^2/\text{NDF}: 1716.8/22$

Left: 0.305 ± 0.001 $\chi^2/\text{NDF}: 3309.3/47$

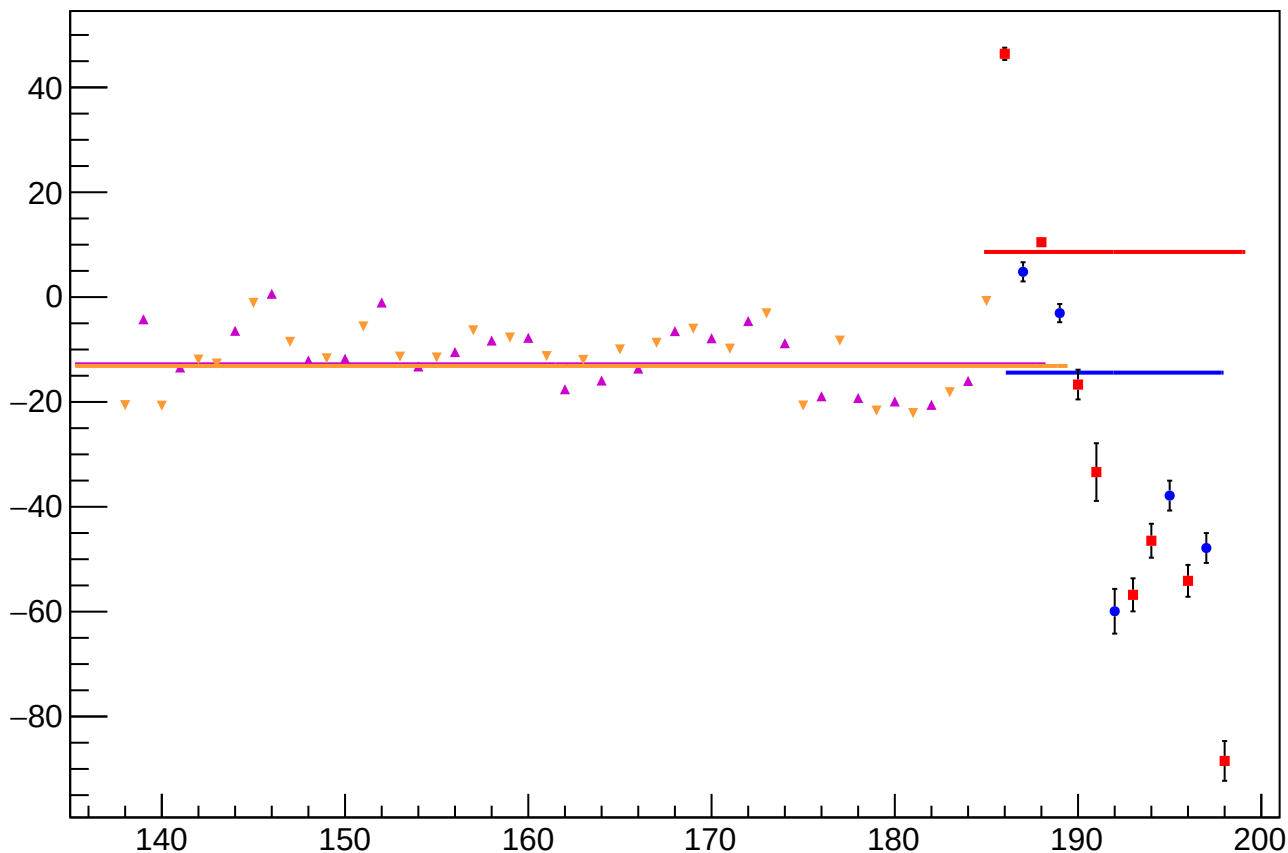
Right: 0.100 ± 0.017 $\chi^2/\text{NDF}: 4044.1/12$

In: 0.305 ± 0.002 $\chi^2/\text{NDF}: 2003.4/27$

Out: 0.302 ± 0.002 $\chi^2/\text{NDF}: 5487.4/32$

All: 0.303 ± 0.001 $\chi^2/\text{NDF}: 7492.0/60$

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.407 ± 1.035 $\chi^2/\text{NDF}: 473.3/4$
 Left Out: -13.133 ± 0.094 $\chi^2/\text{NDF}: 5974.5/24$
 Right Out: 8.613 ± 0.643 $\chi^2/\text{NDF}: 2993.0/7$
 Left In: -12.823 ± 0.095 $\chi^2/\text{NDF}: 4841.5/22$

Left: -12.979 ± 0.067 $\chi^2/\text{NDF}: 10821.3/47$

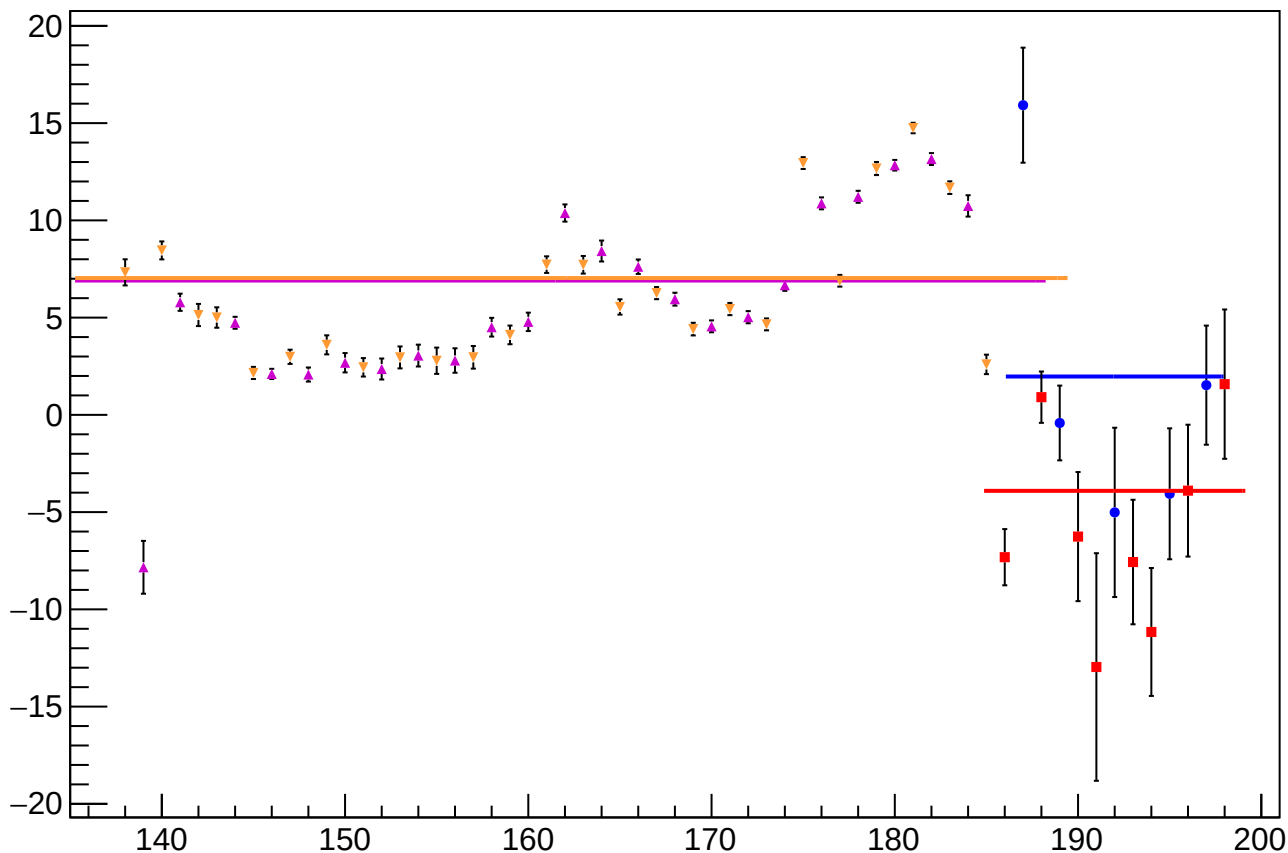
Right: 2.201 ± 0.546 $\chi^2/\text{NDF}: 3823.1/12$

In: -12.836 ± 0.094 $\chi^2/\text{NDF}: 5317.1/27$

Out: -12.680 ± 0.093 $\chi^2/\text{NDF}: 10086.7/32$

All: -12.757 ± 0.066 $\chi^2/\text{NDF}: 15405.2/60$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.972 ± 1.257 $\chi^2/\text{NDF}: 29.6/4$

Left Out: 7.034 ± 0.077 $\chi^2/\text{NDF}: 2657.5/24$

Right Out: -3.907 ± 0.812 $\chi^2/\text{NDF}: 30.0/7$

Left In: 6.906 ± 0.077 $\chi^2/\text{NDF}: 2442.8/22$

Left: 6.970 ± 0.055 $\chi^2/\text{NDF}: 5101.7/47$

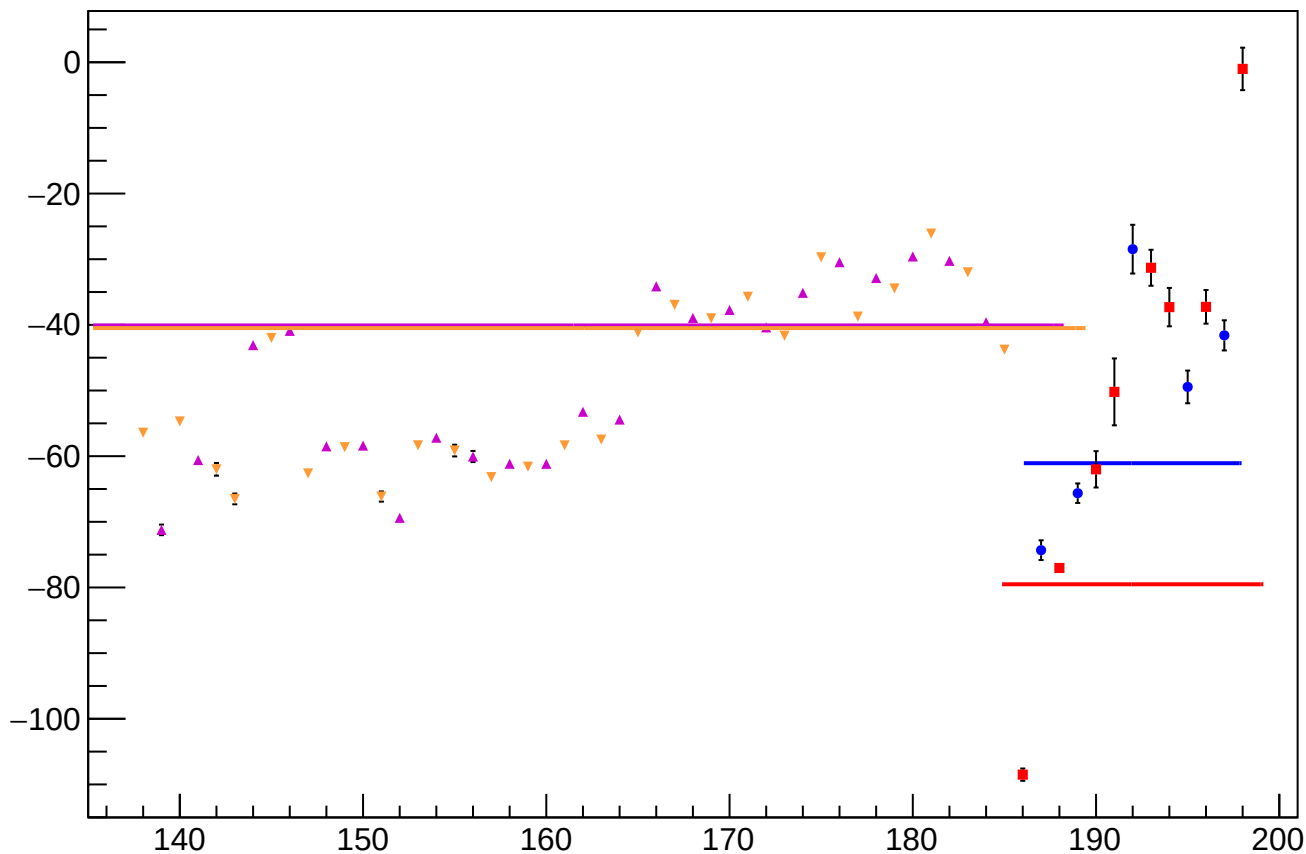
Right: -2.177 ± 0.682 $\chi^2/\text{NDF}: 75.0/12$

In: 6.888 ± 0.077 $\chi^2/\text{NDF}: 2487.8/27$

Out: 6.936 ± 0.077 $\chi^2/\text{NDF}: 2867.5/32$

All: 6.912 ± 0.055 $\chi^2/\text{NDF}: 5355.5/60$

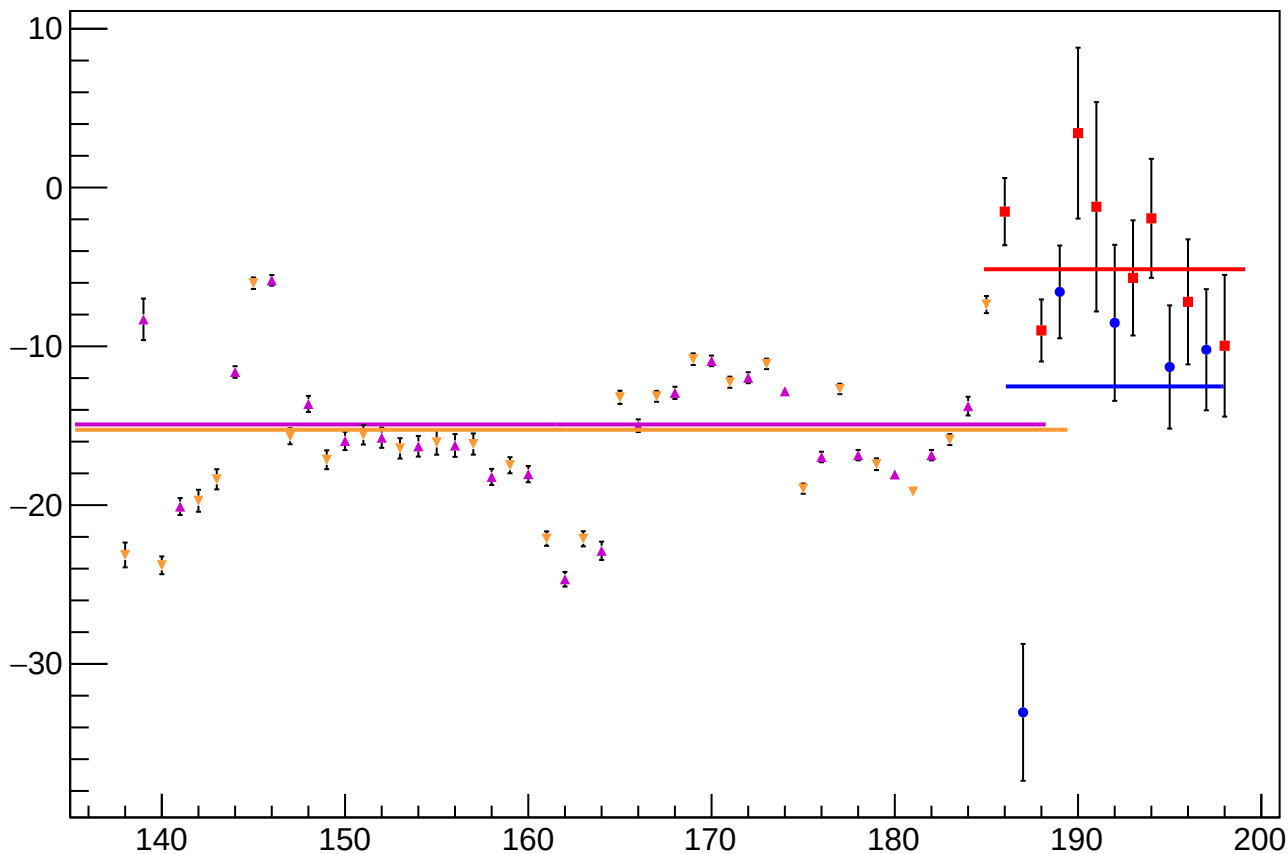
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.069 ± 0.871 χ^2/NDF : 257.9/4
 Left Out: -40.492 ± 0.095 χ^2/NDF : 15435.0/24
 Right Out: -79.514 ± 0.528 χ^2/NDF : 2424.0/7
 Left In: -40.091 ± 0.095 χ^2/NDF : 14103.5/22

Left: -40.292 ± 0.067 χ^2/NDF : 29547.4/47
 Right: -74.549 ± 0.452 χ^2/NDF : 3009.8/12
 In: -40.339 ± 0.095 χ^2/NDF : 14934.9/27
 Out: -41.709 ± 0.093 χ^2/NDF : 23140.6/32
 All: -41.034 ± 0.066 χ^2/NDF : 38181.8/60

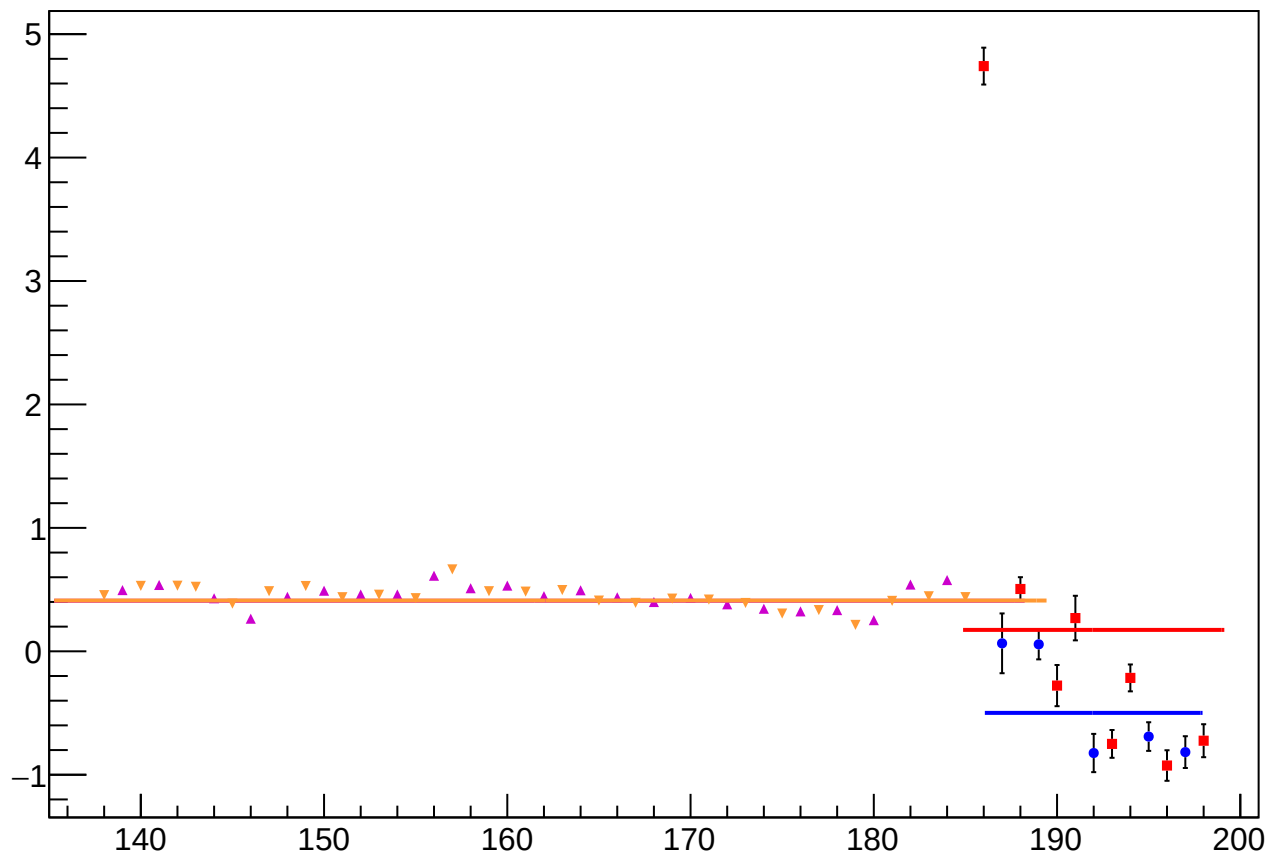
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.524 ± 1.696 $\chi^2/\text{NDF}: 28.0/4$
 Left Out: -15.254 ± 0.086 $\chi^2/\text{NDF}: 2594.4/24$
 Right Out: -5.145 ± 1.115 $\chi^2/\text{NDF}: 11.9/7$
 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: -7.372 ± 0.932 $\chi^2/\text{NDF}: 53.1/12$
 In: -14.913 ± 0.086 $\chi^2/\text{NDF}: 2237.7/27$
 Out: -15.195 ± 0.086 $\chi^2/\text{NDF}: 2688.0/32$
 All: -15.055 ± 0.061 $\chi^2/\text{NDF}: 4931.0/60$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.499 ± 0.062 χ^2/NDF : 39.4/4

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.8/24

Right Out: 0.174 ± 0.044 χ^2/NDF : 1158.6/7

Left In: 0.409 ± 0.004 χ^2/NDF : 561.9/22

Left: 0.410 ± 0.003 χ^2/NDF : 990.8/47

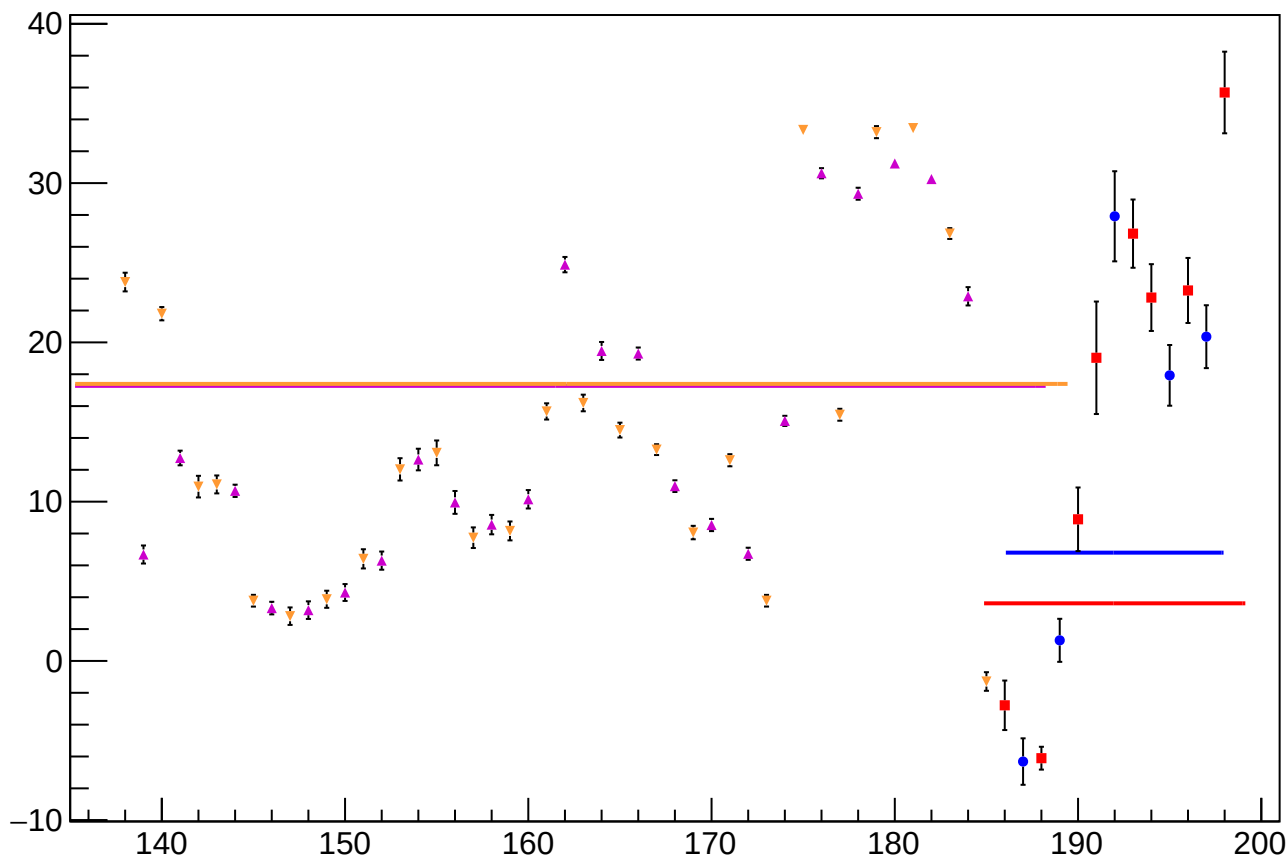
Right: -0.055 ± 0.036 χ^2/NDF : 1275.7/12

In: 0.406 ± 0.004 χ^2/NDF : 815.3/27

Out: 0.410 ± 0.004 χ^2/NDF : 1615.7/32

All: 0.408 ± 0.003 χ^2/NDF : 2431.5/60

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.799 $\pm$ 0.773 χ^2 /NDF: 234.5/4

Left Out: 17.393 $\pm$ 0.087 χ^2 /NDF:16305.7/24

Right Out: 3.617 $\pm$ 0.532 χ^2 /NDF: 677.3/7

Left In: 17.271 $\pm$ 0.088 χ^2 /NDF:12892.2/22

Left: 17.333 $\pm$ 0.062 χ^2 /NDF: 29198.9/47

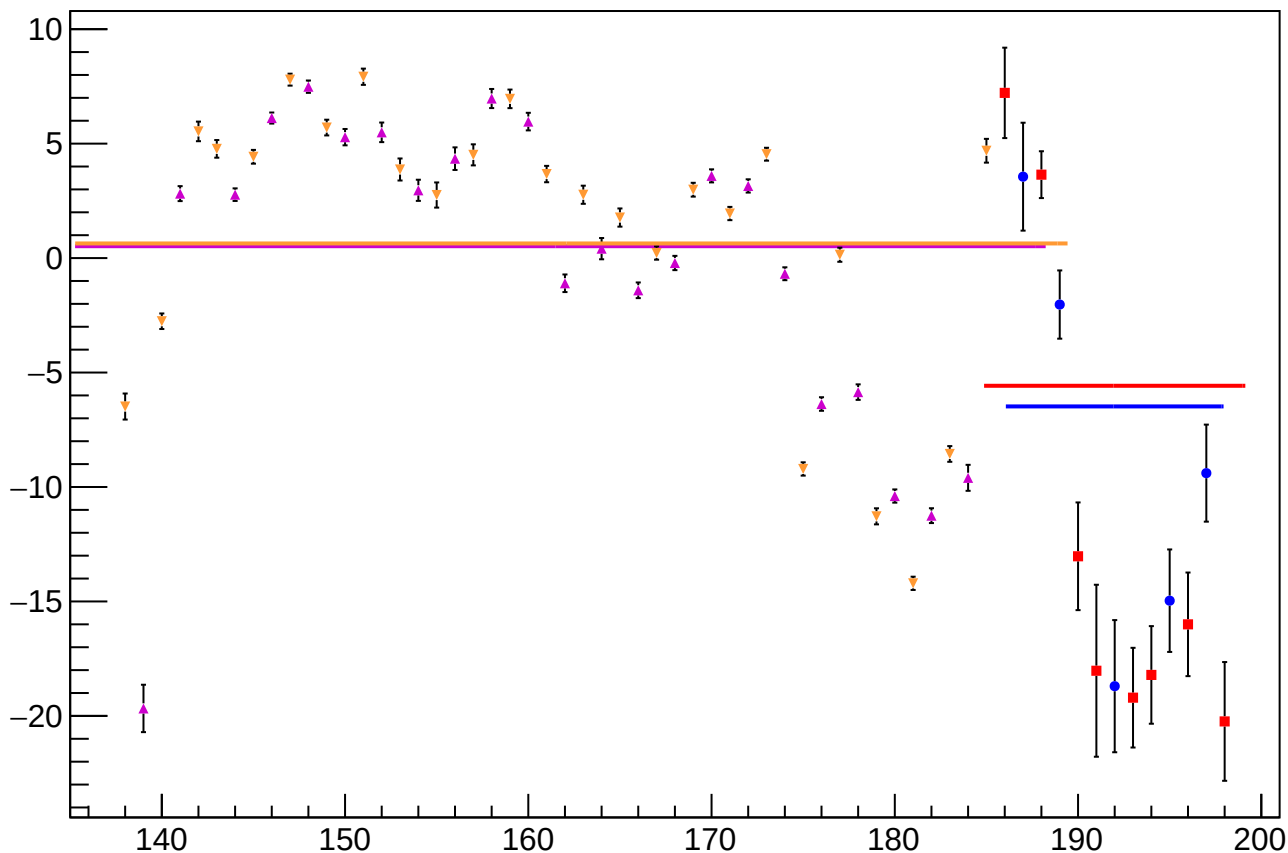
Right: 4.641 $\pm$ 0.438 χ^2 /NDF: 923.3/12

In: 17.135 $\pm$ 0.088 χ^2 /NDF:13307.9/27

Out: 17.033 $\pm$ 0.086 χ^2 /NDF:17635.2/32

All: 17.083 $\pm$ 0.062 χ^2 /NDF: 30943.8/60

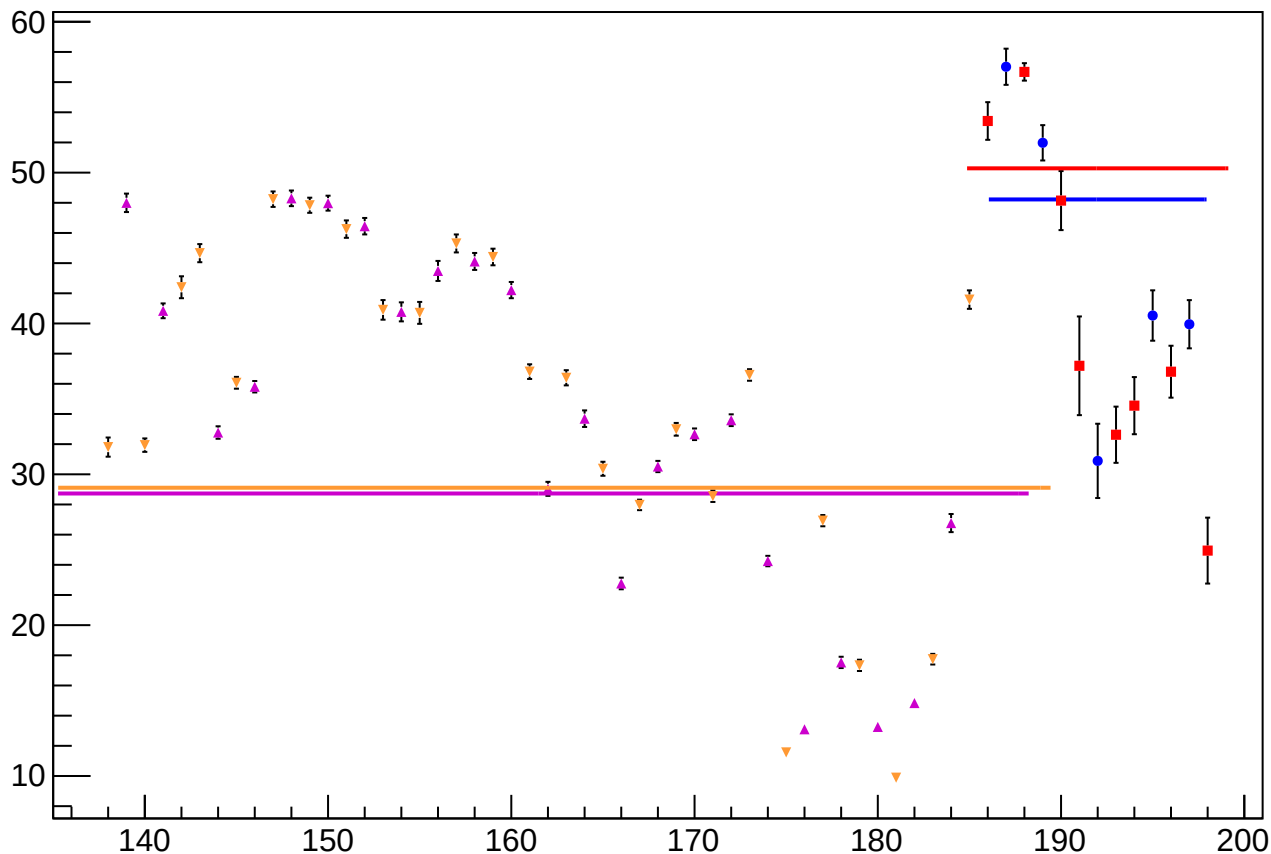
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.480 ± 0.924 χ^2/NDF : 61.2/4
 Left Out: 0.639 ± 0.070 χ^2/NDF : 8514.9/24
 Right Out: -5.578 ± 0.668 χ^2/NDF : 271.7/7
 Left In: 0.519 ± 0.071 χ^2/NDF : 6776.8/22

Left: 0.580 ± 0.050 χ^2/NDF : 15293.1/47
 Right: -5.888 ± 0.541 χ^2/NDF : 333.5/12
 In: 0.479 ± 0.070 χ^2/NDF : 6895.1/27
 Out: 0.573 ± 0.069 χ^2/NDF : 8872.2/32
 All: 0.526 ± 0.049 χ^2/NDF : 15768.2/60

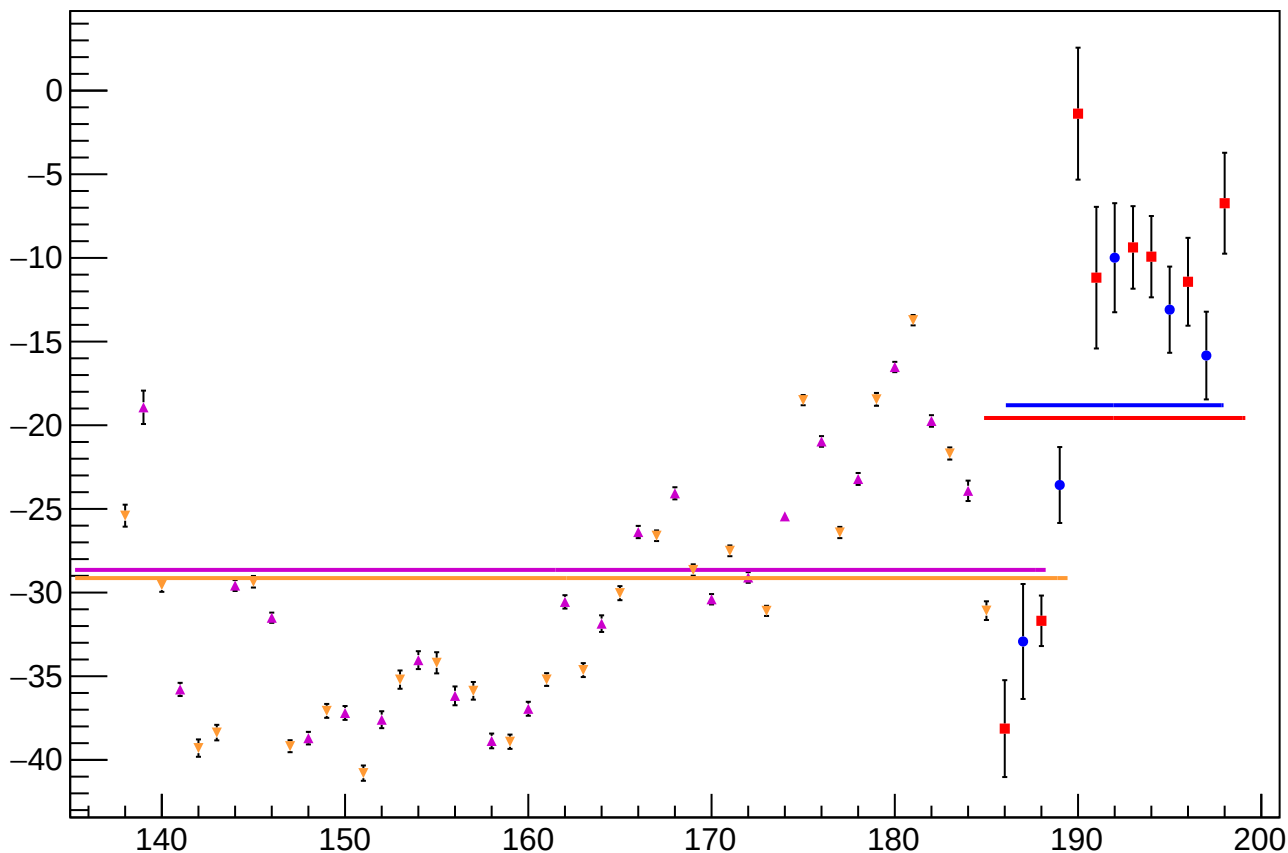
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 48.223 $\pm$ 0.654 χ^2 /NDF: 161.7/4
 Left Out: 29.110 $\pm$ 0.088 χ^2 /NDF:18845.8/24
 Right Out: 50.285 $\pm$ 0.443 χ^2 /NDF: 500.4/7
 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: 49.636 $\pm$ 0.367 χ^2 /NDF: 668.9/12
 In: 29.081 $\pm$ 0.088 χ^2 /NDF:18072.1/27
 Out: 29.913 $\pm$ 0.086 χ^2 /NDF:21545.3/32
 All: 29.505 $\pm$ 0.062 χ^2 /NDF: 39662.9/60

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



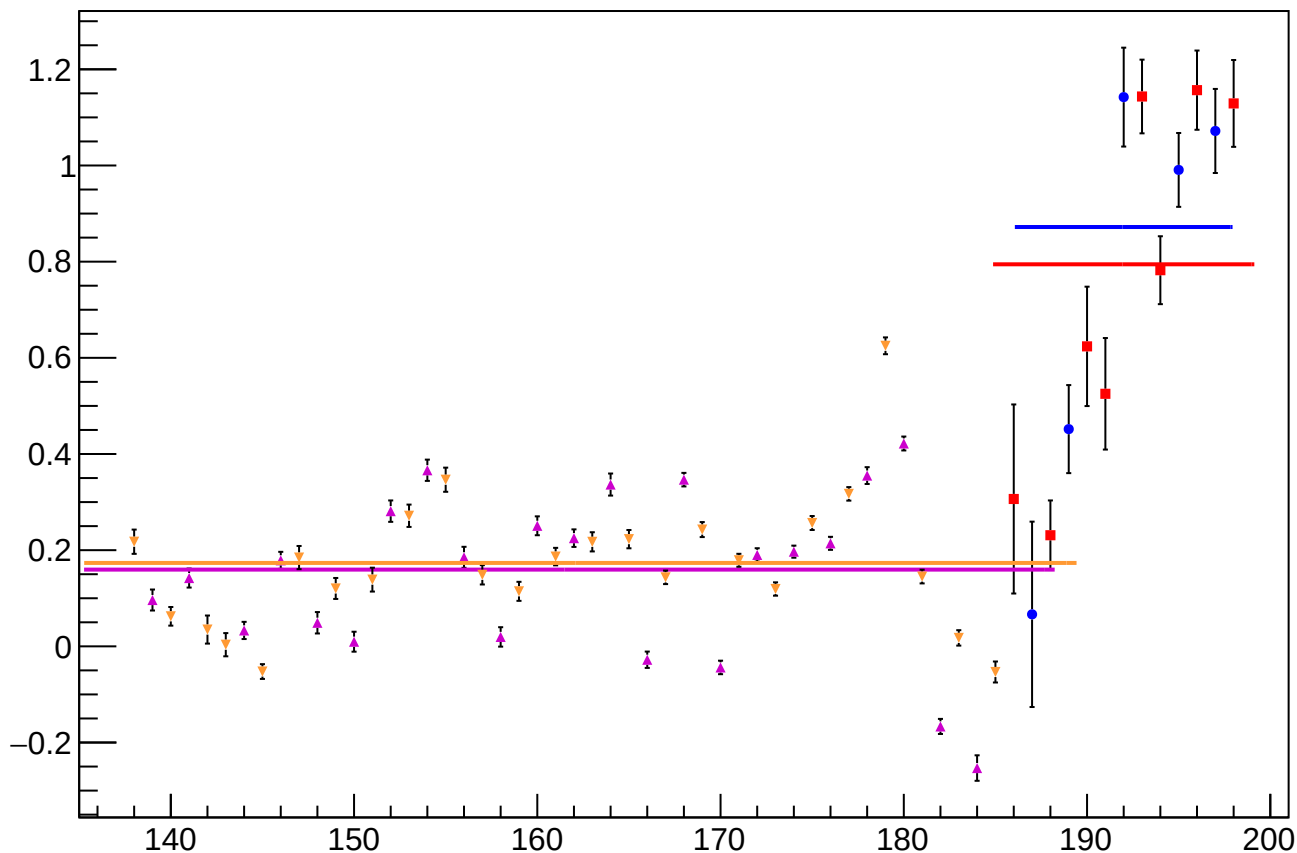
Right In: -18.804 ± 1.222 $\chi^2/\text{NDF}: 34.8/4$
 Left Out: -29.134 ± 0.078 $\chi^2/\text{NDF}: 8998.0/24$
 Right Out: -19.566 ± 0.888 $\chi^2/\text{NDF}: 191.4/7$
 Left In: -28.645 ± 0.080 $\chi^2/\text{NDF}: 6693.5/22$

Left: -28.893 ± 0.056 $\chi^2/\text{NDF}: 15710.7/47$
 Right: -19.303 ± 0.719 $\chi^2/\text{NDF}: 226.5/12$

In: -28.603 ± 0.079 $\chi^2/\text{NDF}: 6792.9/27$
 Out: -29.060 ± 0.078 $\chi^2/\text{NDF}: 9304.5/32$

All: -28.835 ± 0.056 $\chi^2/\text{NDF}: 16114.3/60$

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.872 ± 0.043 $\chi^2/\text{NDF}: 53.0/4$

Left Out: 0.173 ± 0.004 $\chi^2/\text{NDF}: 1468.8/24$

Right Out: 0.794 ± 0.032 $\chi^2/\text{NDF}: 127.9/7$

Left In: 0.160 ± 0.004 $\chi^2/\text{NDF}: 2063.7/22$

Left: 0.167 ± 0.003 $\chi^2/\text{NDF}: 3539.9/47$

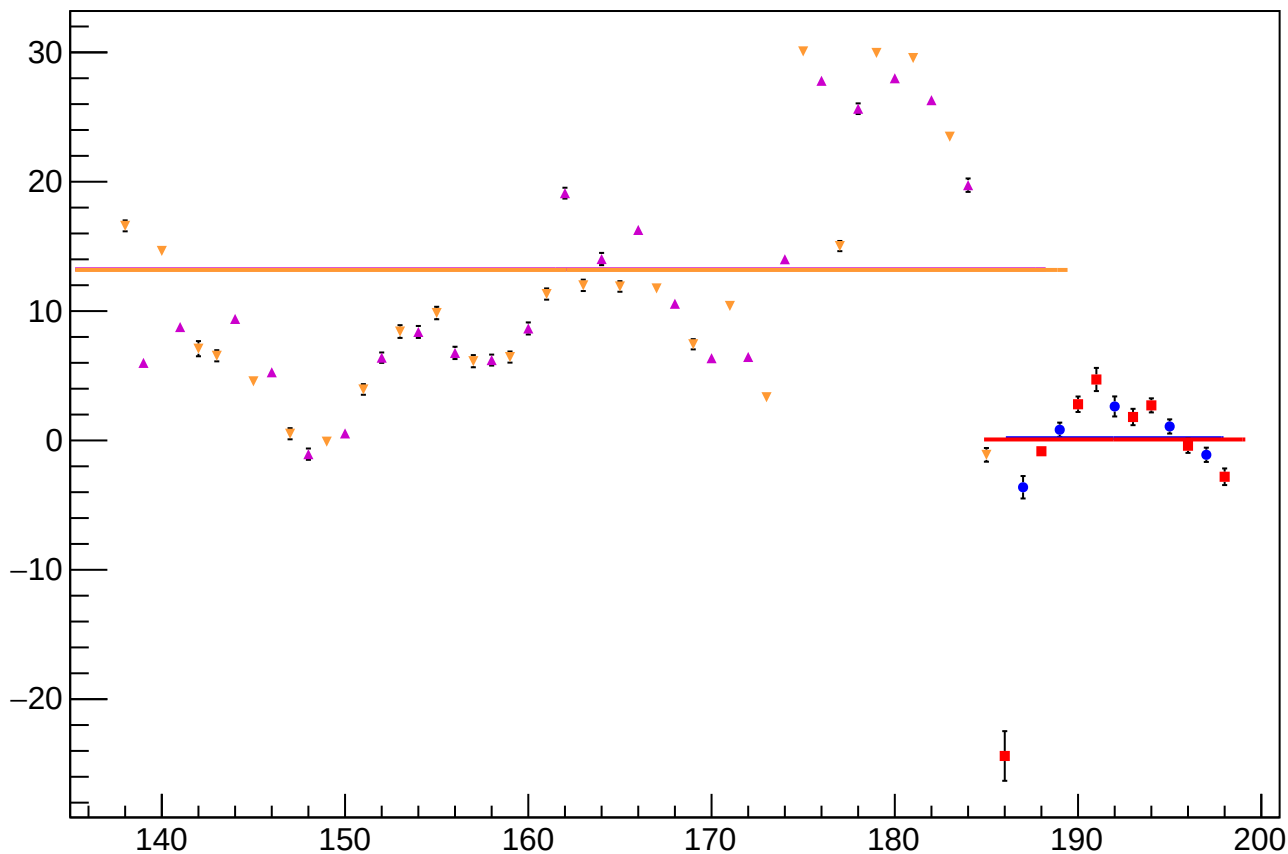
Right: 0.822 ± 0.025 $\chi^2/\text{NDF}: 183.1/12$

In: 0.165 ± 0.004 $\chi^2/\text{NDF}: 2389.5/27$

Out: 0.181 ± 0.004 $\chi^2/\text{NDF}: 1976.5/32$

All: 0.173 ± 0.003 $\chi^2/\text{NDF}: 4376.8/60$

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.173+/-0.279 χ^2/NDF : 38.7/4

Left Out: 13.181+/-0.075 χ^2/NDF :17039.3/24

Right Out: 0.075+/-0.188 χ^2/NDF : 272.4/7

Left In: 13.228+/-0.077 χ^2/NDF :14126.1/22

Left: 13.204+/-0.054 χ^2/NDF : 31165.6/47

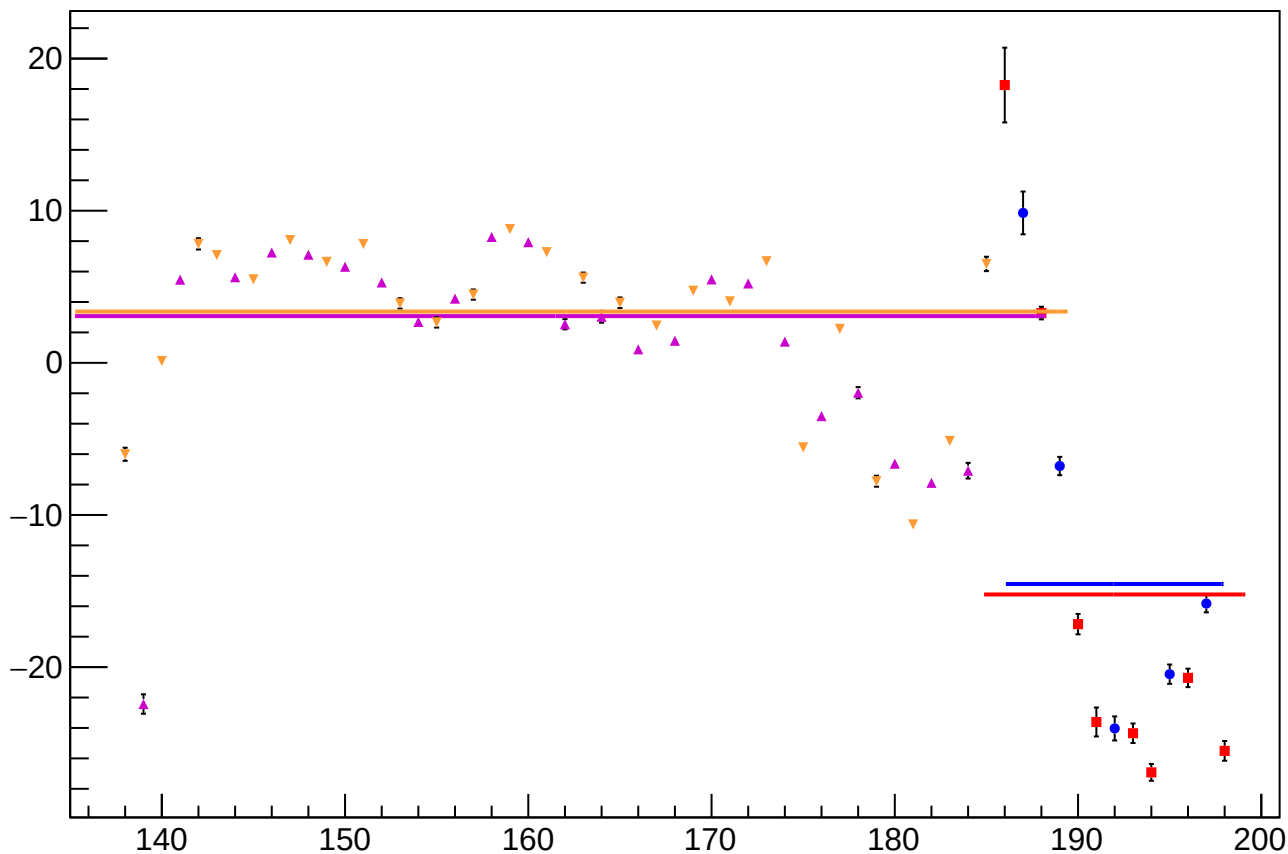
Right: 0.106+/-0.156 χ^2/NDF : 311.1/12

In: 12.310+/-0.074 χ^2/NDF :16205.6/27

Out: 11.358+/-0.070 χ^2/NDF :21517.5/32

All: 11.808+/-0.051 χ^2/NDF : 37810.7/60

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -14.537 ± 0.311 χ^2/NDF : 703.2/4

Left Out: 3.372 ± 0.059 χ^2/NDF : 8053.7/24

Right Out: -15.225 ± 0.223 χ^2/NDF : 3245.4/7

Left In: 3.071 ± 0.060 χ^2/NDF : 7269.0/22

Left: 3.226 ± 0.042 χ^2/NDF : 15335.5/47

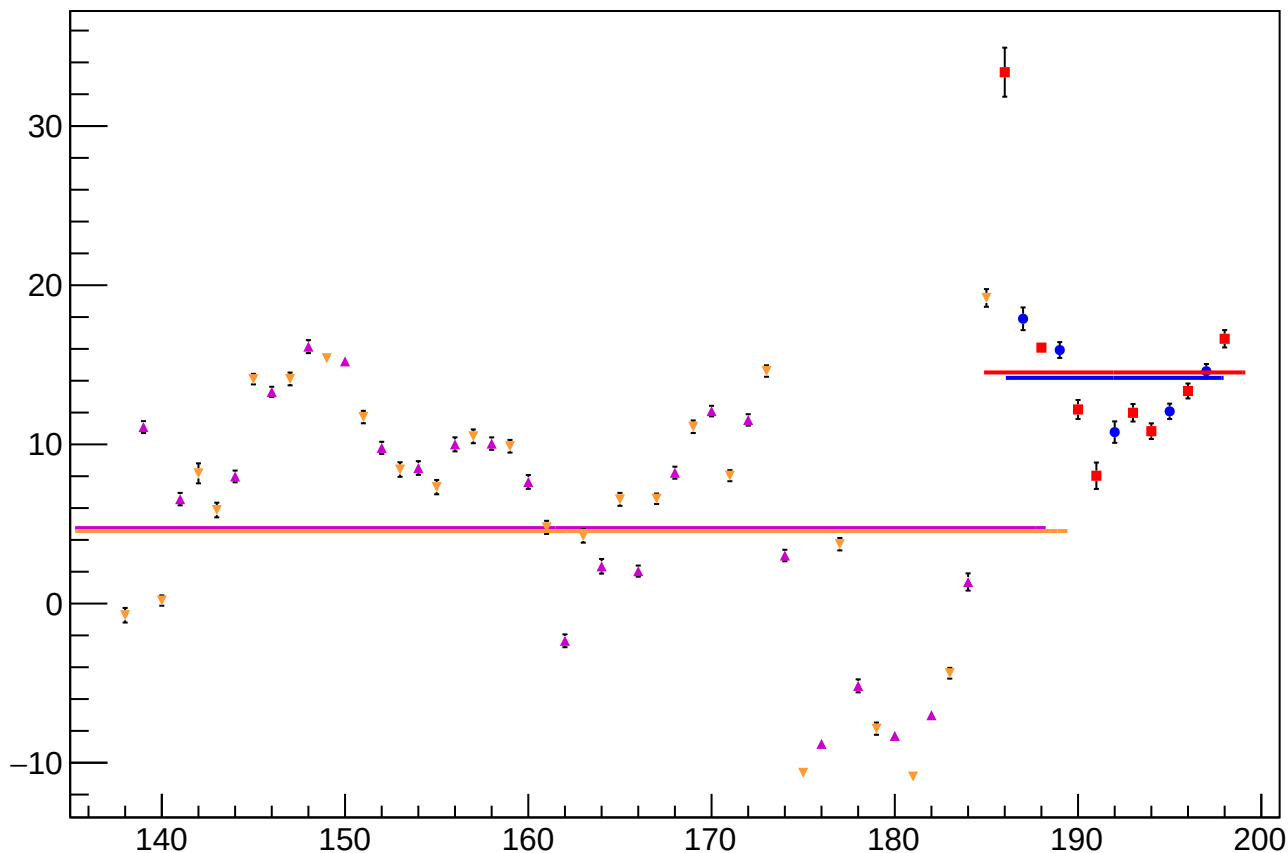
Right: -14.992 ± 0.181 χ^2/NDF : 3951.8/12

In: 2.433 ± 0.059 χ^2/NDF : 11054.8/27

Out: 2.173 ± 0.057 χ^2/NDF : 17803.1/32

All: 2.297 ± 0.041 χ^2/NDF : 28867.9/60

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.179+/-0.240 χ^2/NDF : 84.7/4

Left Out: 4.557+/-0.076 χ^2/NDF :13588.4/24

Right Out: 14.520+/-0.160 χ^2/NDF : 371.7/7

Left In: 4.741+/-0.076 χ^2/NDF :11418.2/22

Left: 4.648+/-0.054 χ^2/NDF : 25009.5/47

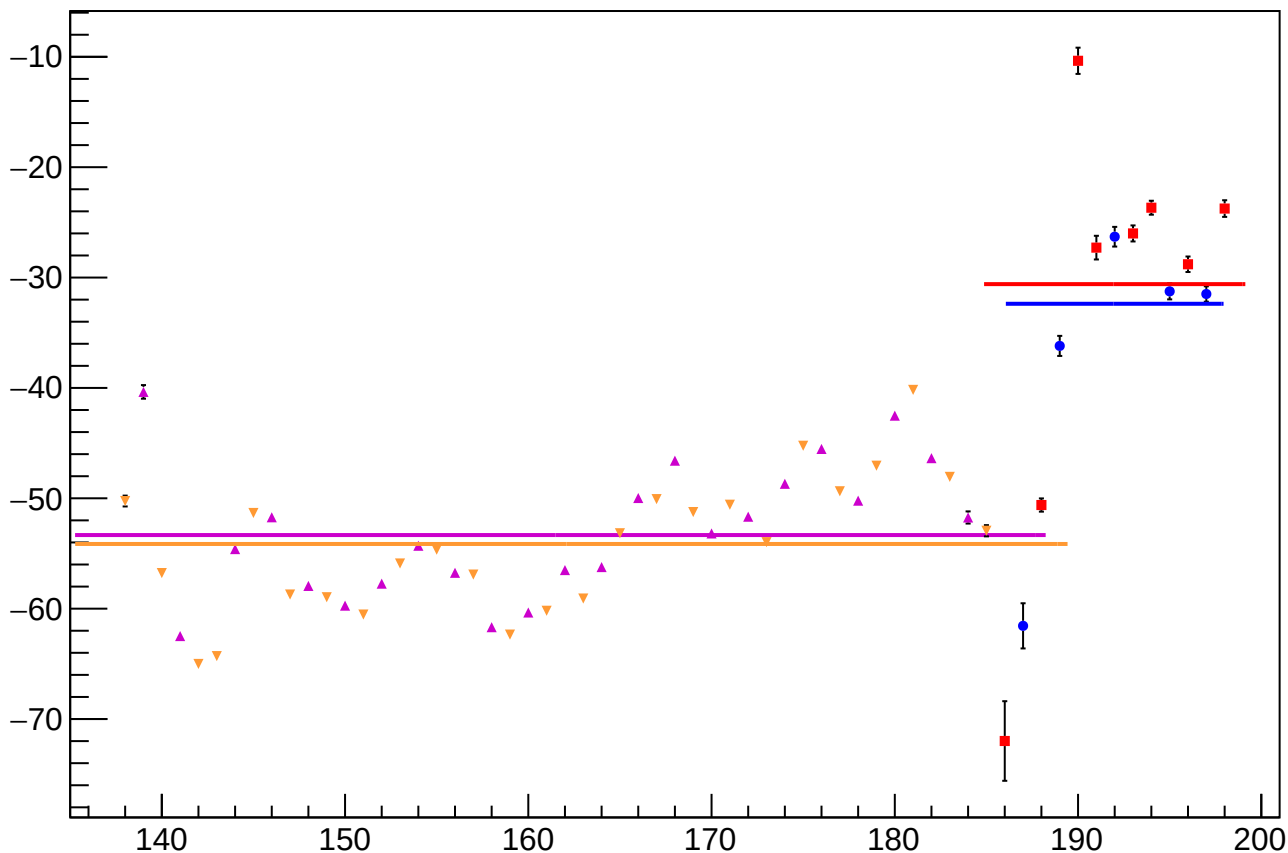
Right: 14.415+/-0.133 χ^2/NDF : 457.8/12

In: 5.609+/-0.073 χ^2/NDF :12906.0/27

Out: 6.376+/-0.068 χ^2/NDF :17136.6/32

All: 6.017+/-0.050 χ^2/NDF : 30101.6/60

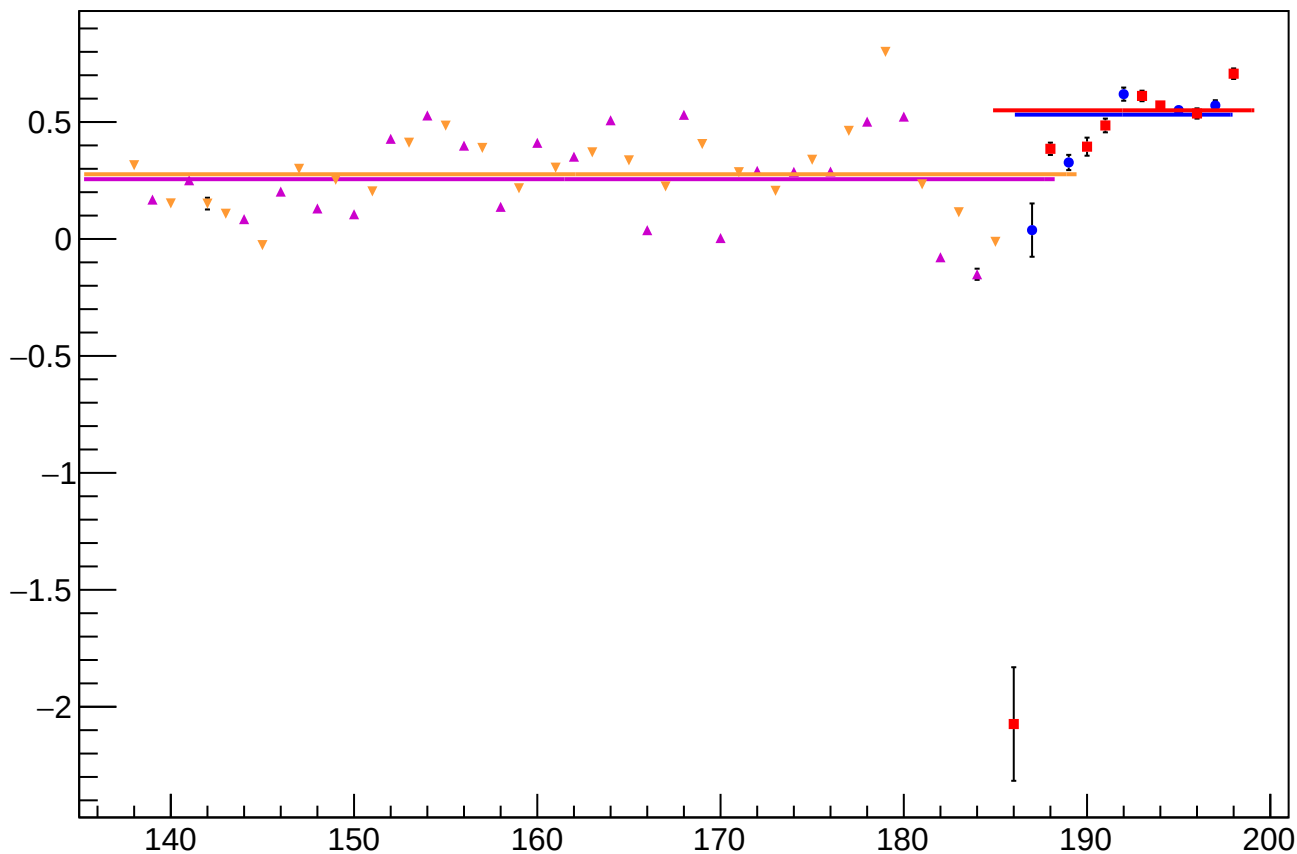
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.376 ± 0.388 $\chi^2/\text{NDF}: 271.3/4$
 Left Out: -54.139 ± 0.067 $\chi^2/\text{NDF}: 8301.1/24$
 Right Out: -30.595 ± 0.281 $\chi^2/\text{NDF}: 1797.1/7$
 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: -31.209 ± 0.228 $\chi^2/\text{NDF}: 2082.3/12$
 In: -52.701 ± 0.067 $\chi^2/\text{NDF}: 10043.4/27$
 Out: -52.891 ± 0.065 $\chi^2/\text{NDF}: 16730.3/32$
 All: -52.799 ± 0.047 $\chi^2/\text{NDF}: 26777.9/60$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.532 $\pm$ 0.012 χ^2 /NDF: 71.8/4

Left Out: 0.277 $\pm$ 0.003 χ^2 /NDF:2606.0/24

Right Out: 0.550 $\pm$ 0.009 χ^2 /NDF: 233.9/7

Left In: 0.256 $\pm$ 0.003 χ^2 /NDF:3644.0/22

Left: 0.266 $\pm$ 0.002 χ^2 /NDF: 6273.6/47

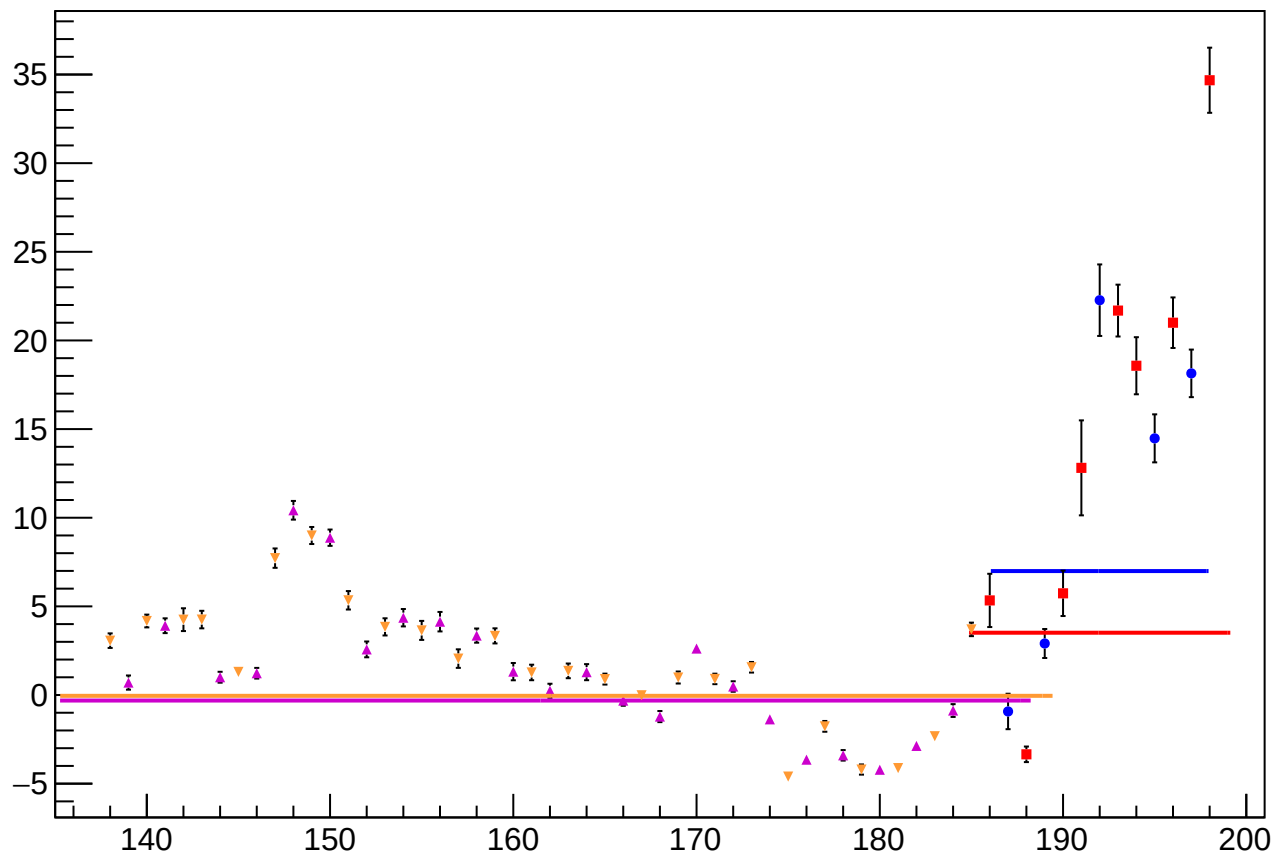
Right: 0.544 $\pm$ 0.007 χ^2 /NDF: 307.1/12

In: 0.272 $\pm$ 0.003 χ^2 /NDF:4177.6/27

Out: 0.305 $\pm$ 0.003 χ^2 /NDF:3661.1/32

All: 0.289 $\pm$ 0.002 χ^2 /NDF: 7902.3/60

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.991 ± 0.510 χ^2/NDF : 244.7/4

Left Out: -0.046 ± 0.066 χ^2/NDF : 2628.9/24

Right Out: 3.514 ± 0.353 χ^2/NDF : 940.8/7

Left In: -0.312 ± 0.067 χ^2/NDF : 2252.6/22

Left: -0.177 ± 0.047 χ^2/NDF : 4889.5/47

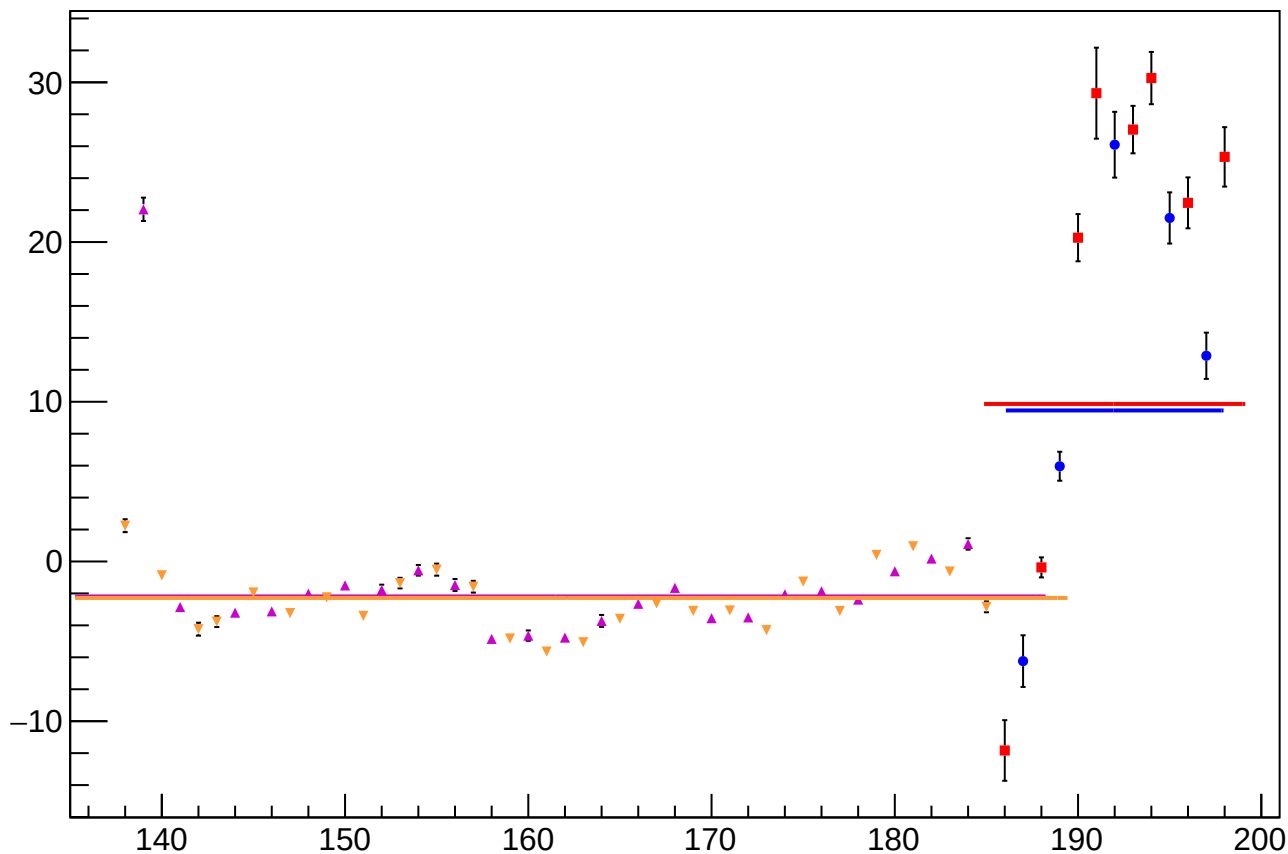
Right: 4.640 ± 0.290 χ^2/NDF : 1216.9/12

In: -0.188 ± 0.066 χ^2/NDF : 2698.8/27

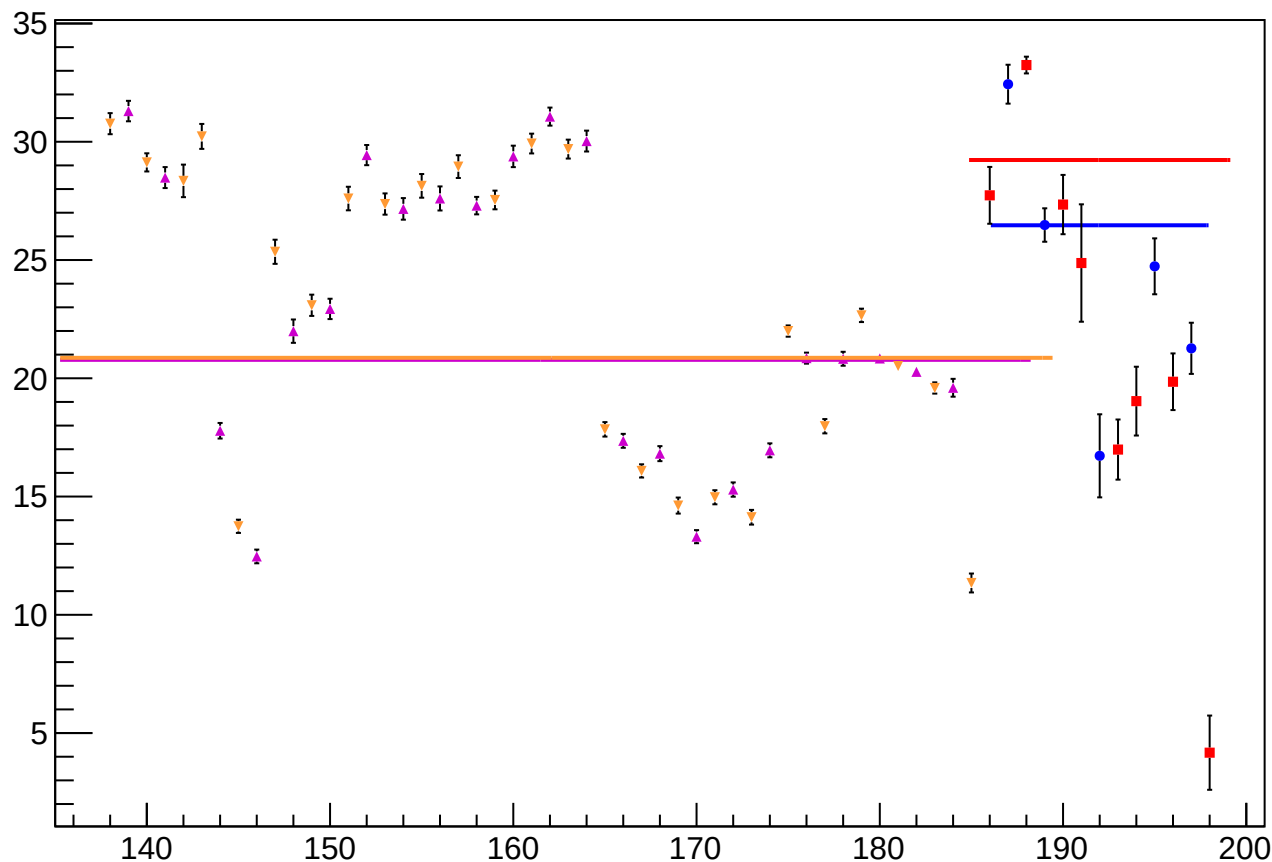
Out: 0.075 ± 0.065 χ^2/NDF : 3668.0/32

All: -0.054 ± 0.046 χ^2/NDF : 6374.7/60

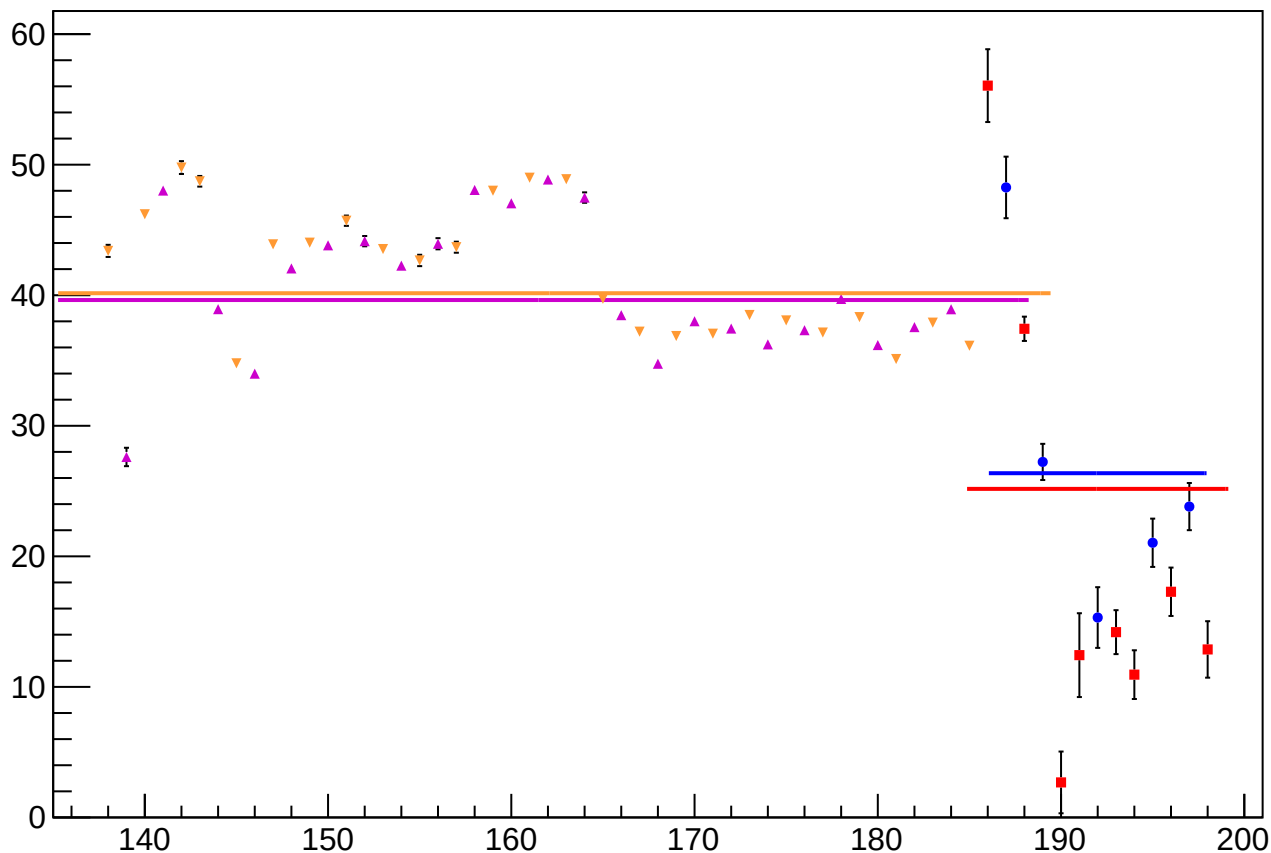
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



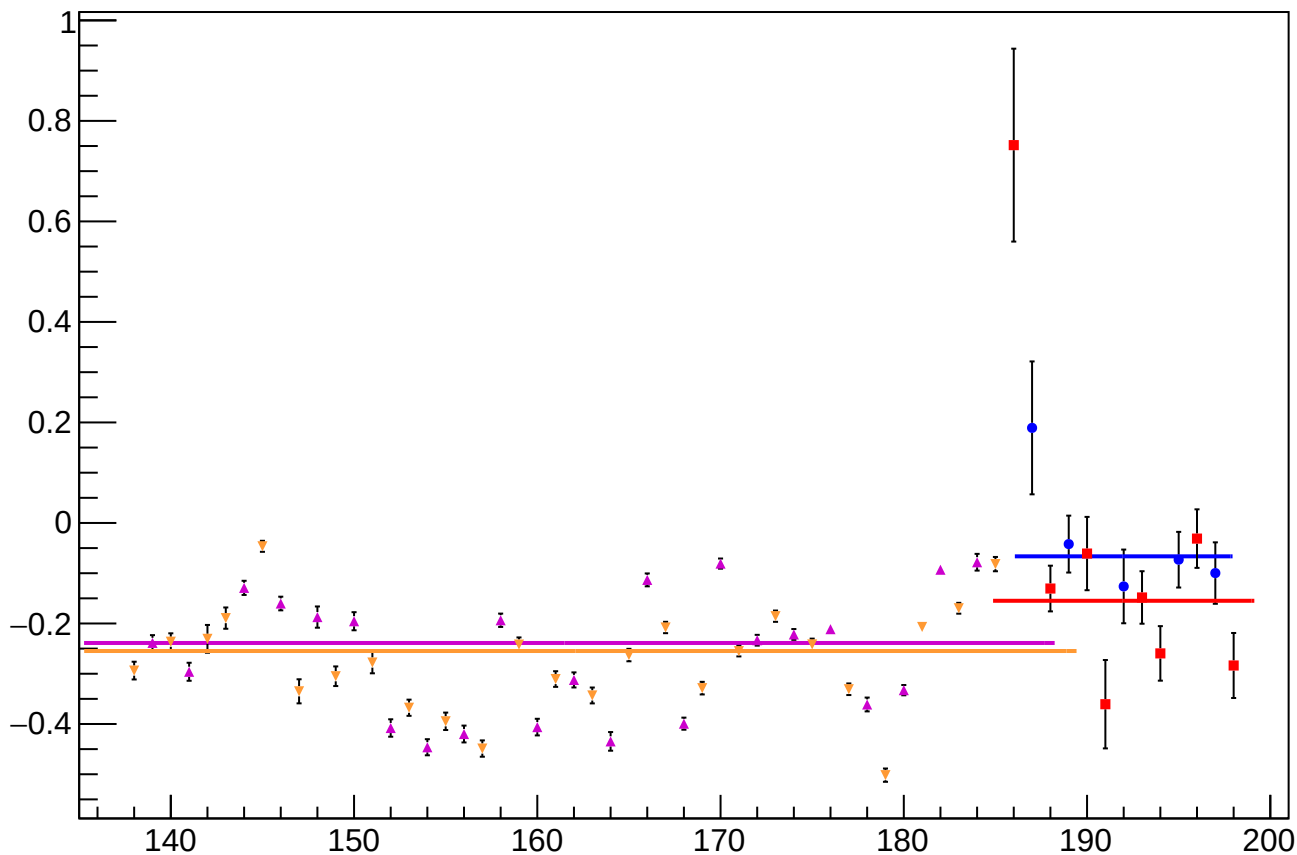
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 26.368 $\pm$ 0.821 χ^2/NDF : 119.5/4
 Left Out: 40.154 $\pm$ 0.060 χ^2/NDF : 5861.6/24
 Right Out: 25.168 $\pm$ 0.608 χ^2/NDF : 553.7/7
 Left In: 39.632 $\pm$ 0.061 χ^2/NDF : 5343.3/22

Left: 39.896 $\pm$ 0.043 χ^2/NDF : 11241.6/47
 Right: 25.593 $\pm$ 0.489 χ^2/NDF : 674.6/12
 In: 39.559 $\pm$ 0.061 χ^2/NDF : 5722.5/27
 Out: 40.007 $\pm$ 0.060 χ^2/NDF : 7017.2/32
 All: 39.786 $\pm$ 0.043 χ^2/NDF : 12767.0/60

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.066 ± 0.030 χ^2/NDF : 4.9/4

Left Out: -0.255 ± 0.003 χ^2/NDF : 1417.7/24

Right Out: -0.155 ± 0.022 χ^2/NDF : 42.0/7

Left In: -0.239 ± 0.003 χ^2/NDF : 1750.0/22

Left: -0.247 ± 0.002 χ^2/NDF : 3184.5/47

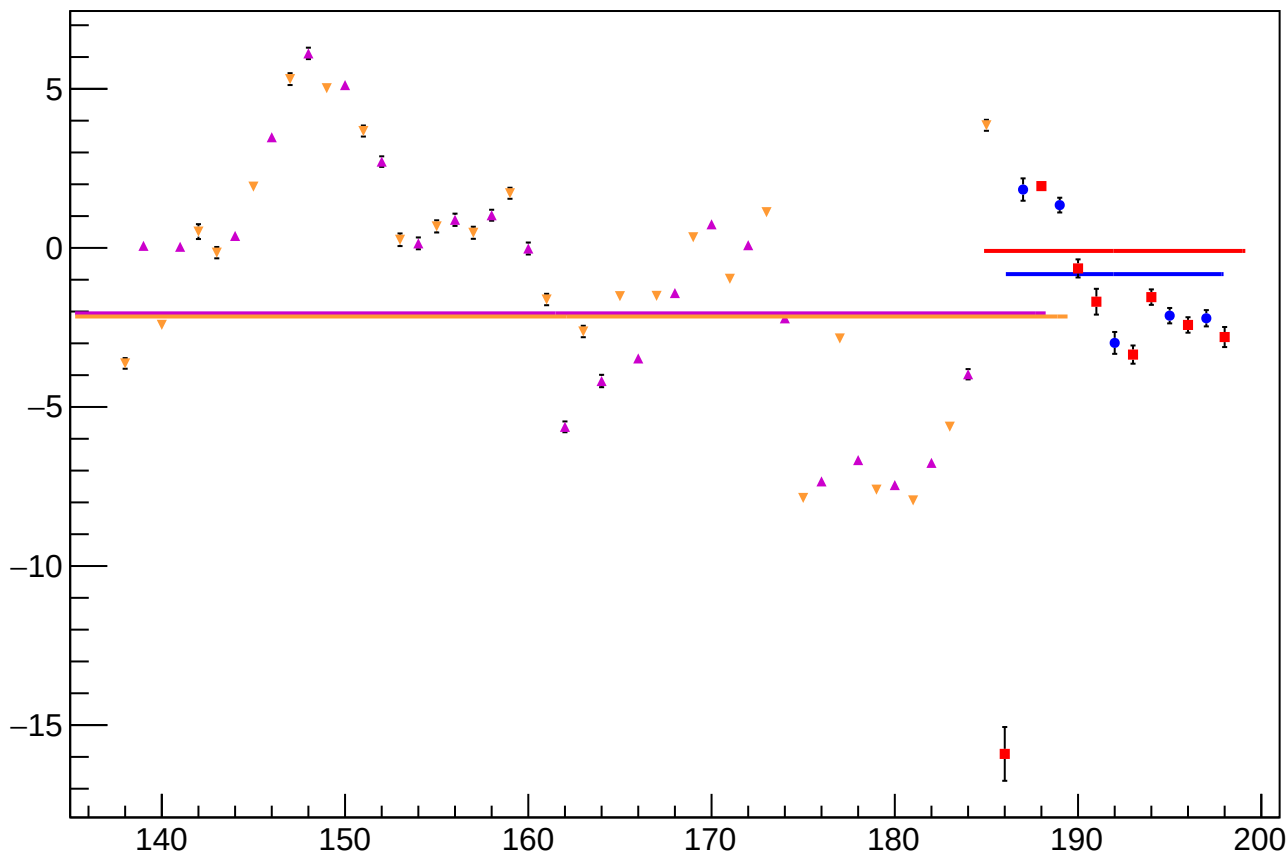
Right: -0.123 ± 0.018 χ^2/NDF : 52.6/12

In: -0.237 ± 0.003 χ^2/NDF : 1788.8/27

Out: -0.253 ± 0.003 χ^2/NDF : 1480.0/32

All: -0.245 ± 0.002 χ^2/NDF : 3285.7/60

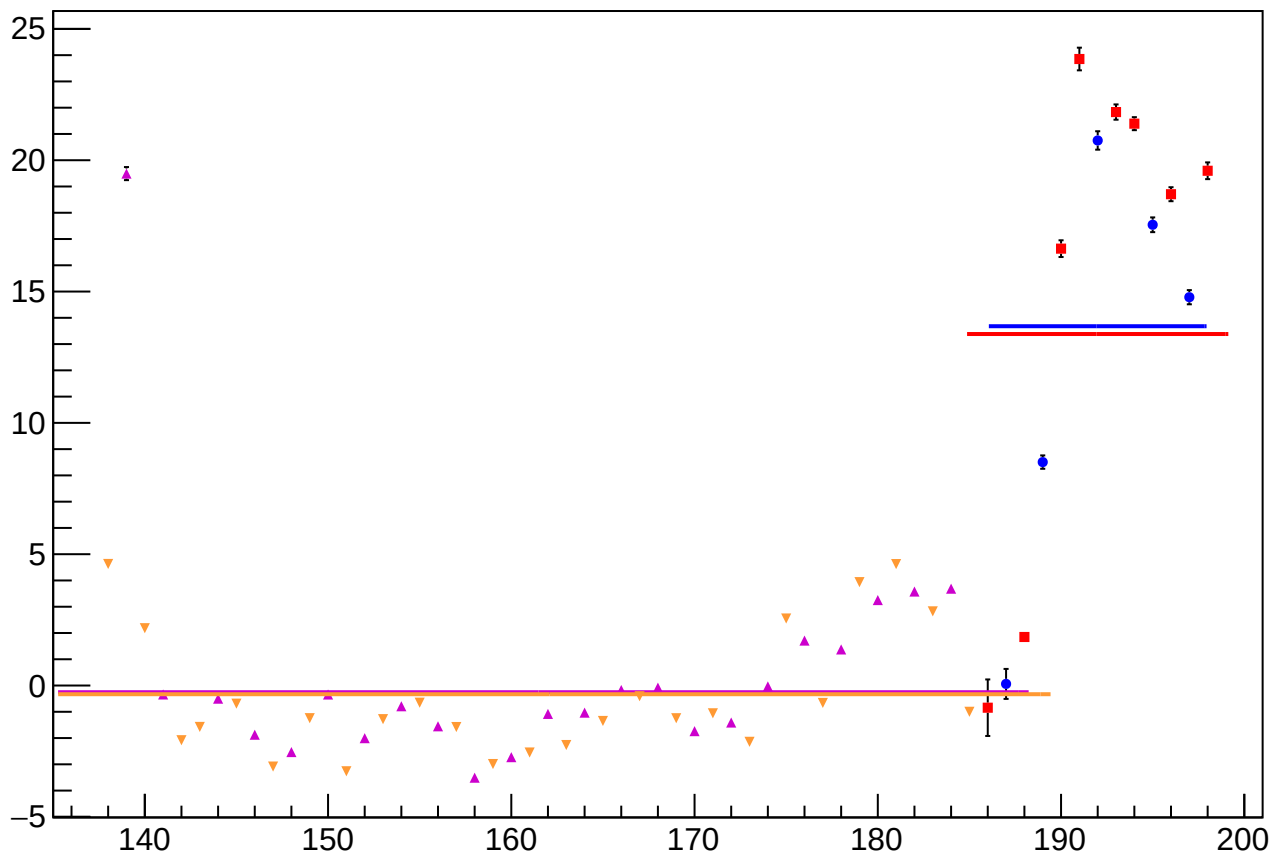
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.824 +/- 0.122 χ^2/NDF : 242.6/4
 Left Out: -2.156 +/- 0.026 χ^2/NDF : 24501.3/24
 Right Out: -0.095 +/- 0.079 χ^2/NDF : 1044.8/7
 Left In: -2.058 +/- 0.026 χ^2/NDF : 23343.8/22

Left: -2.107 +/- 0.018 χ^2/NDF : 47852.3/47
 Right: -0.312 +/- 0.066 χ^2/NDF : 1312.5/12
 In: -2.004 +/- 0.025 χ^2/NDF : 23684.5/27
 Out: -1.961 +/- 0.024 χ^2/NDF : 26157.6/32
 All: -1.982 +/- 0.018 χ^2/NDF : 49843.7/60

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.680 $\pm$ 0.137 χ^2 /NDF: 1595.2/4

Left Out: -0.331 $\pm$ 0.021 χ^2 /NDF:12552.3/24

Right Out: 13.383 $\pm$ 0.097 χ^2 /NDF: 8646.3/7

Left In: -0.255 $\pm$ 0.021 χ^2 /NDF:14162.0/22

Left: -0.293 $\pm$ 0.015 χ^2 /NDF: 26721.1/47

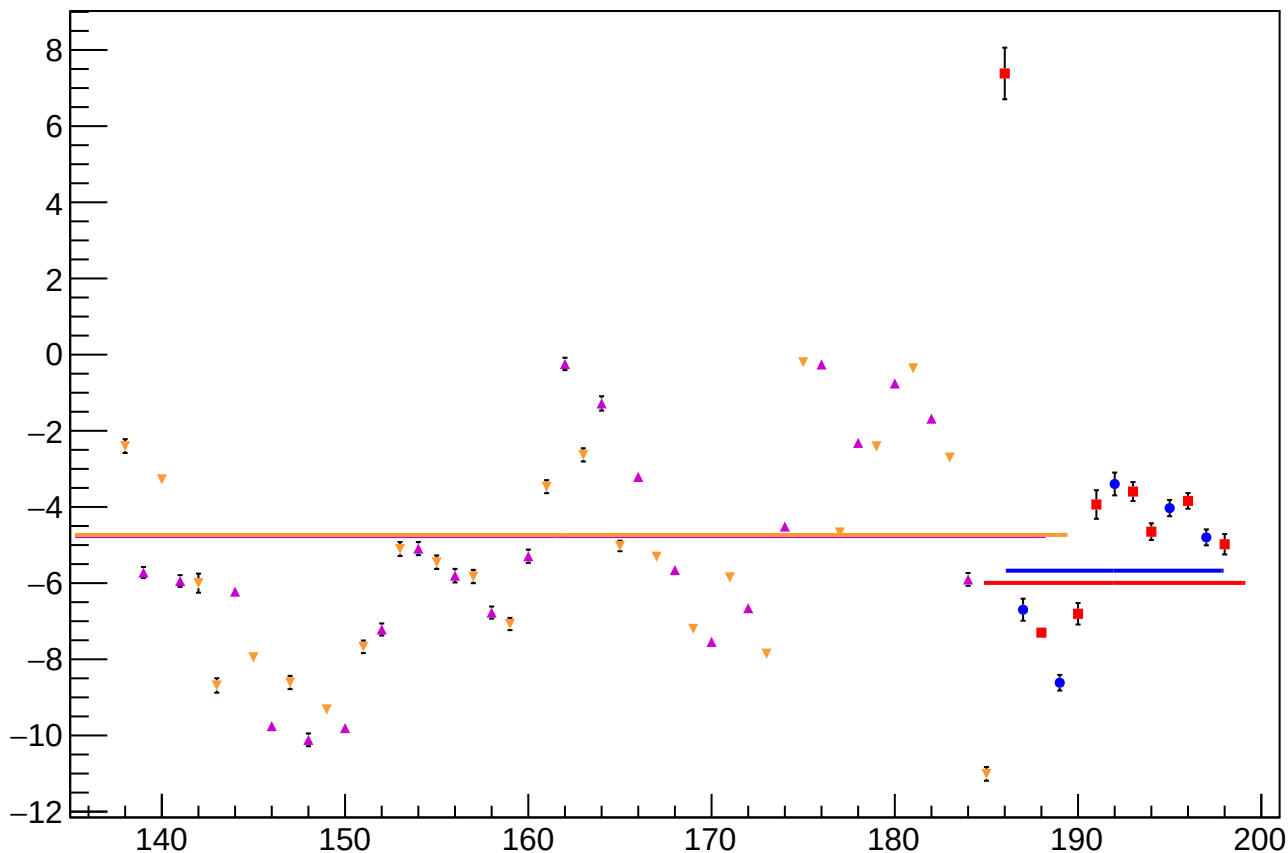
Right: 13.482 $\pm$ 0.079 χ^2 /NDF: 10244.6/12

In: 0.060 $\pm$ 0.021 χ^2 /NDF:25823.8/27

Out: 0.264 $\pm$ 0.020 χ^2 /NDF:40373.0/32

All: 0.164 $\pm$ 0.014 χ^2 /NDF: 66246.7/60

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -5.673 $\pm$ 0.105 χ^2 /NDF: 350.5/4
 Left Out: -4.734 $\pm$ 0.026 χ^2 /NDF:13188.7/24
 Right Out: -5.994 $\pm$ 0.067 χ^2 /NDF: 898.7/7
 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

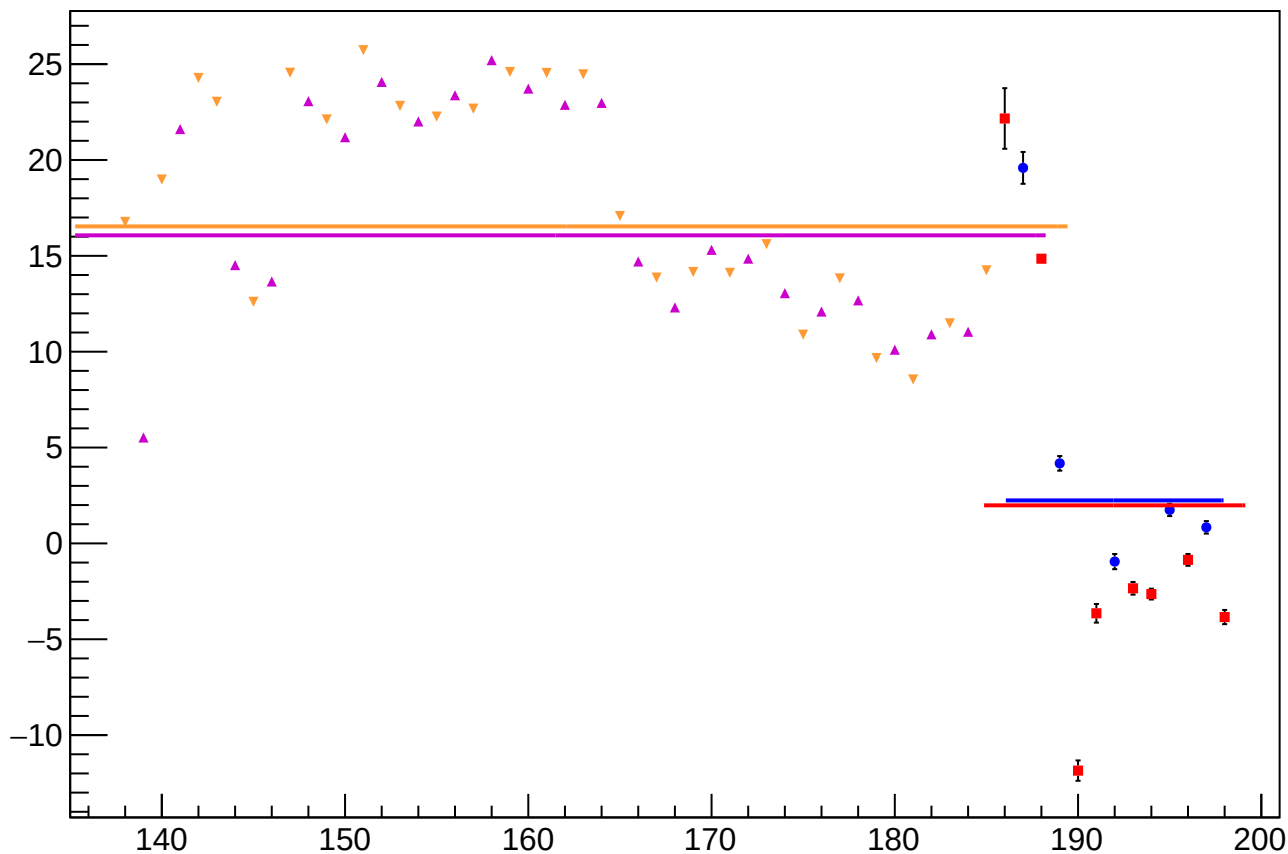
Right: -5.900 $\pm$ 0.056 χ^2 /NDF: 1255.8/12

In: -4.817 $\pm$ 0.025 χ^2 /NDF:14584.6/27

Out: -4.898 $\pm$ 0.024 χ^2 /NDF:14395.1/32

All: -4.859 $\pm$ 0.017 χ^2 /NDF: 28985.0/60

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.243 ± 0.172 $\chi^2/\text{NDF}: 547.2/4$

Left Out: 16.536 ± 0.023 $\chi^2/\text{NDF}: 53546.9/24$

Right Out: 1.985 ± 0.123 $\chi^2/\text{NDF}: 4774.0/7$

Left In: 16.069 ± 0.023 $\chi^2/\text{NDF}: 42736.3/22$

Left: 16.306 ± 0.016 $\chi^2/\text{NDF}: 96483.6/47$

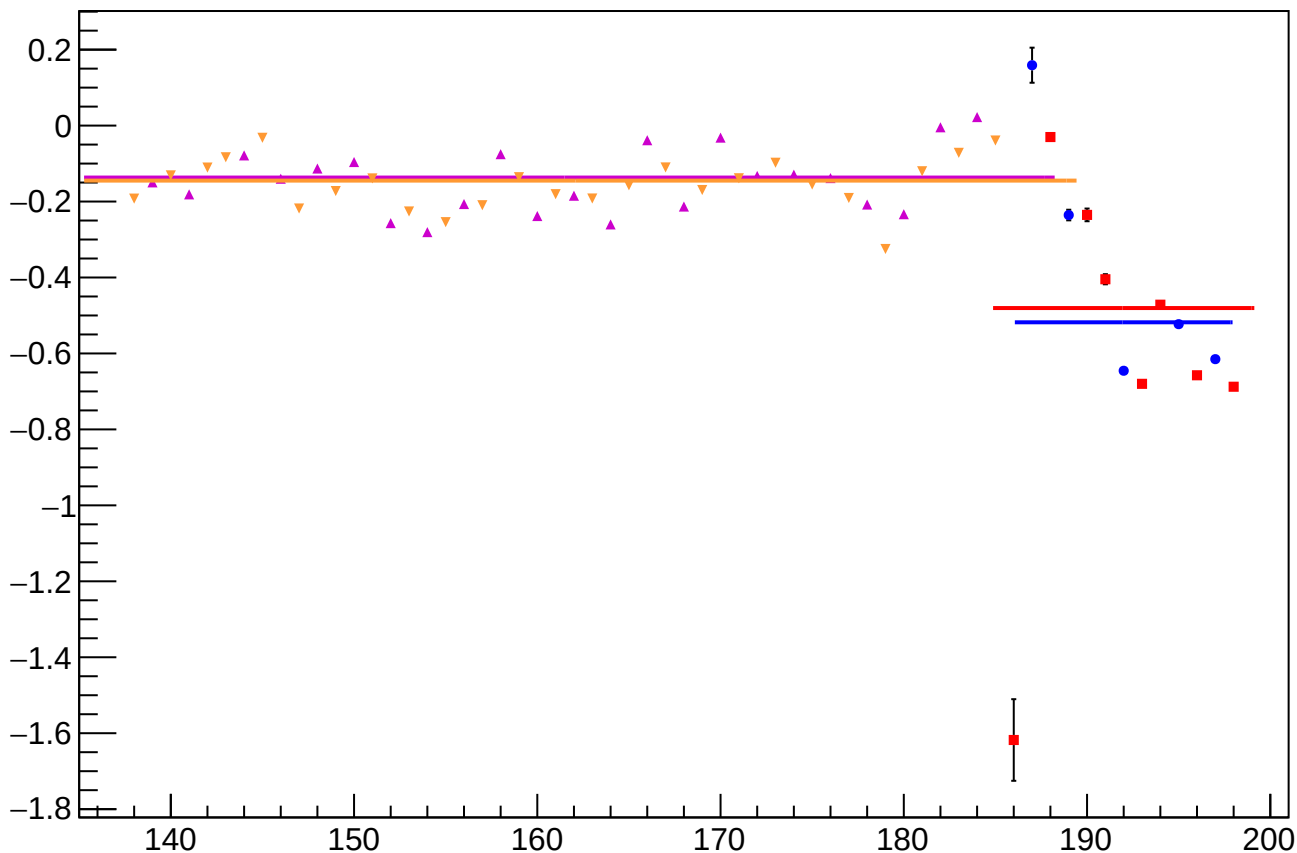
Right: 2.072 ± 0.100 $\chi^2/\text{NDF}: 5322.7/12$

In: 15.816 ± 0.023 $\chi^2/\text{NDF}: 49632.8/27$

Out: 16.038 ± 0.023 $\chi^2/\text{NDF}: 71821.7/32$

All: 15.929 ± 0.016 $\chi^2/\text{NDF}: 121500.7/60$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.518 ± 0.006 χ^2/NDF : 814.0/4

Left Out: -0.145 ± 0.001 χ^2/NDF : 3755.1/24

Right Out: -0.480 ± 0.004 χ^2/NDF : 3294.7/7

Left In: -0.137 ± 0.001 χ^2/NDF : 5383.4/22

Left: -0.141 ± 0.001 χ^2/NDF : 9167.1/47

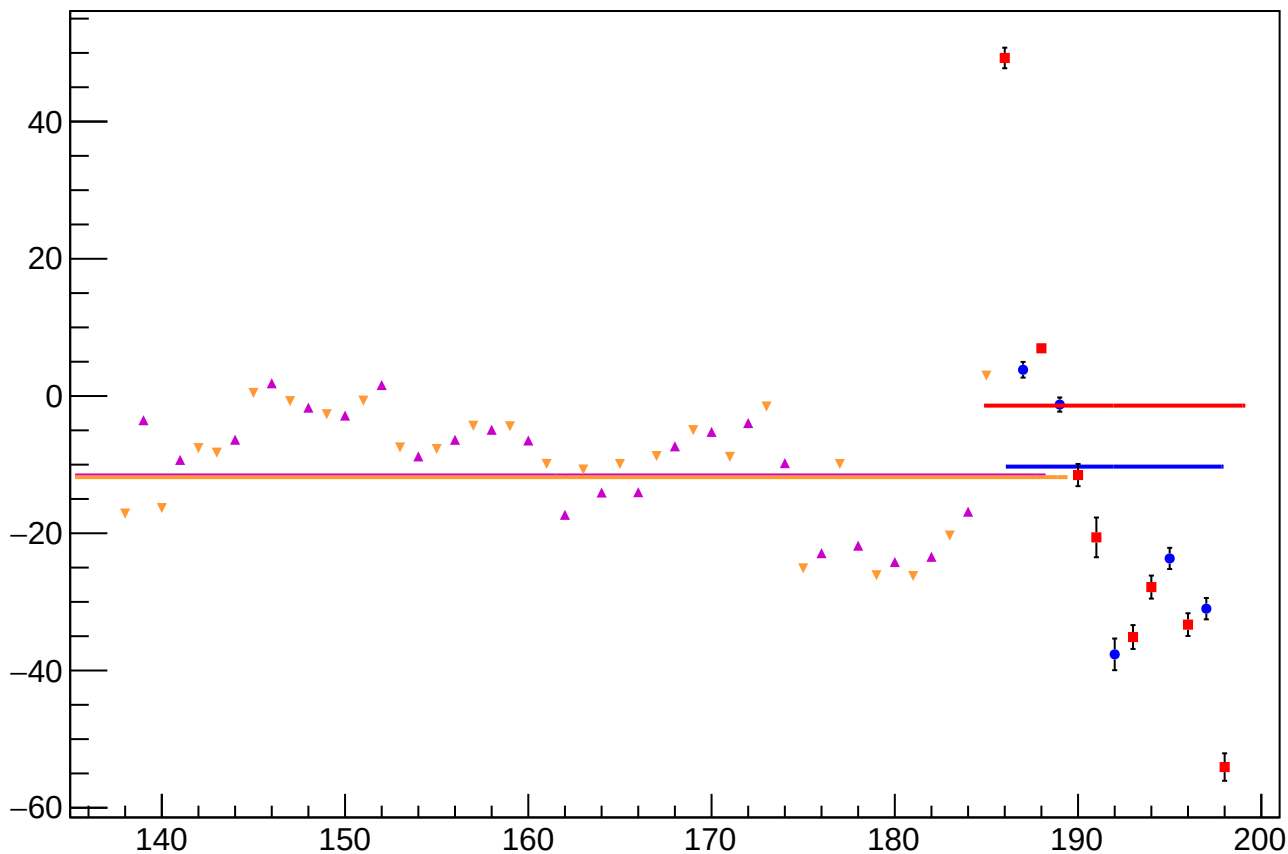
Right: -0.493 ± 0.003 χ^2/NDF : 4138.5/12

In: -0.150 ± 0.001 χ^2/NDF : 10708.5/27

Out: -0.166 ± 0.001 χ^2/NDF : 13560.1/32

All: -0.159 ± 0.001 χ^2/NDF : 24391.8/60

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Left: -11.703 ± 0.050 $\chi^2/\text{NDF}: 31526.7/47$

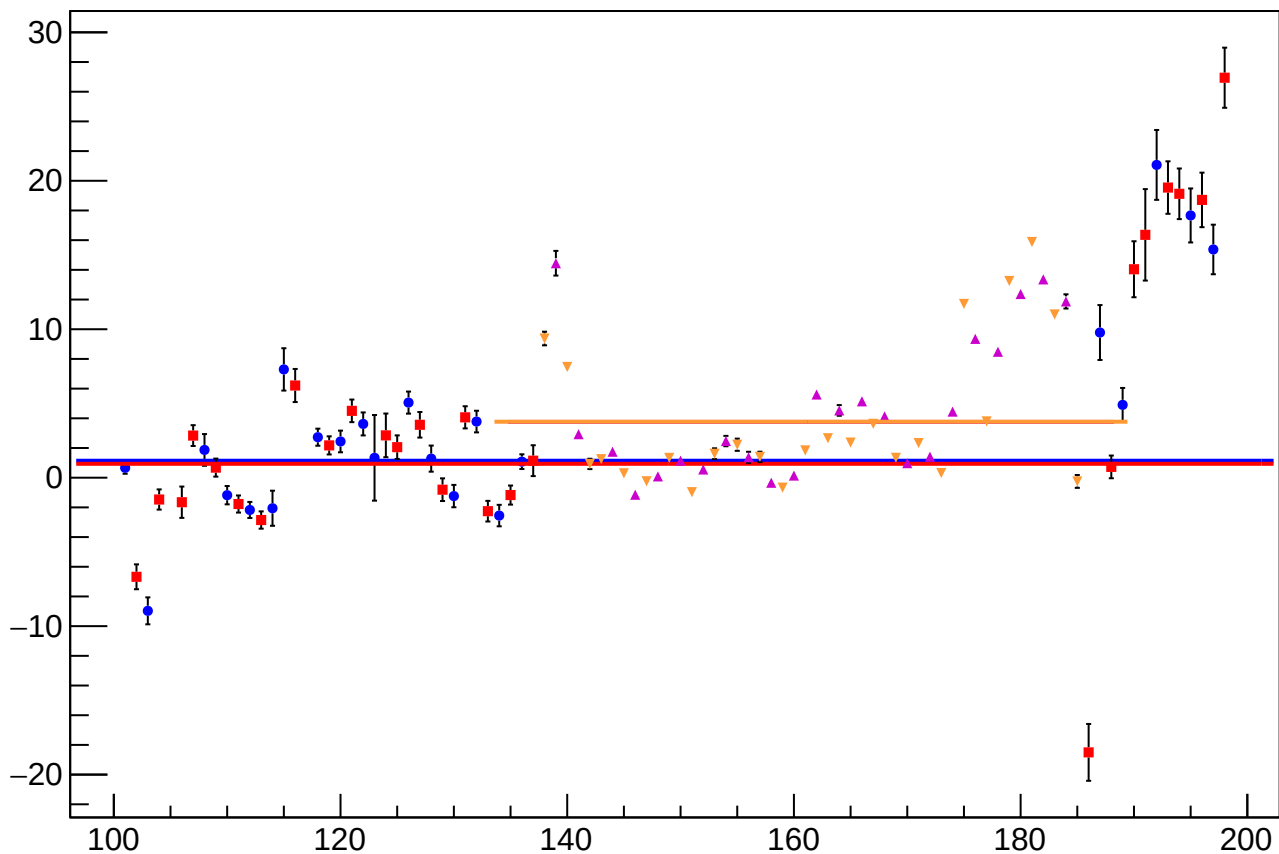
Right: -4.264 ± 0.344 $\chi^2/\text{NDF}: 3922.4/12$

In: -11.562 ± 0.071 $\chi^2/\text{NDF}: 14869.6/27$

Out: -11.535 ± 0.069 $\chi^2/\text{NDF}: 21036.6/32$

All: -11.549 ± 0.050 $\chi^2/\text{NDF}: 35906.4/60$

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.142 ± 0.165 $\chi^2/\text{NDF}: 561.2/21$

Left Out: 3.770 ± 0.056 $\chi^2/\text{NDF}: 7420.4/24$

Right Out: 0.936 ± 0.166 $\chi^2/\text{NDF}: 948.9/25$

Left In: 3.755 ± 0.056 $\chi^2/\text{NDF}: 5655.2/22$

Left: 3.763 ± 0.040 $\chi^2/\text{NDF}: 13075.6/47$

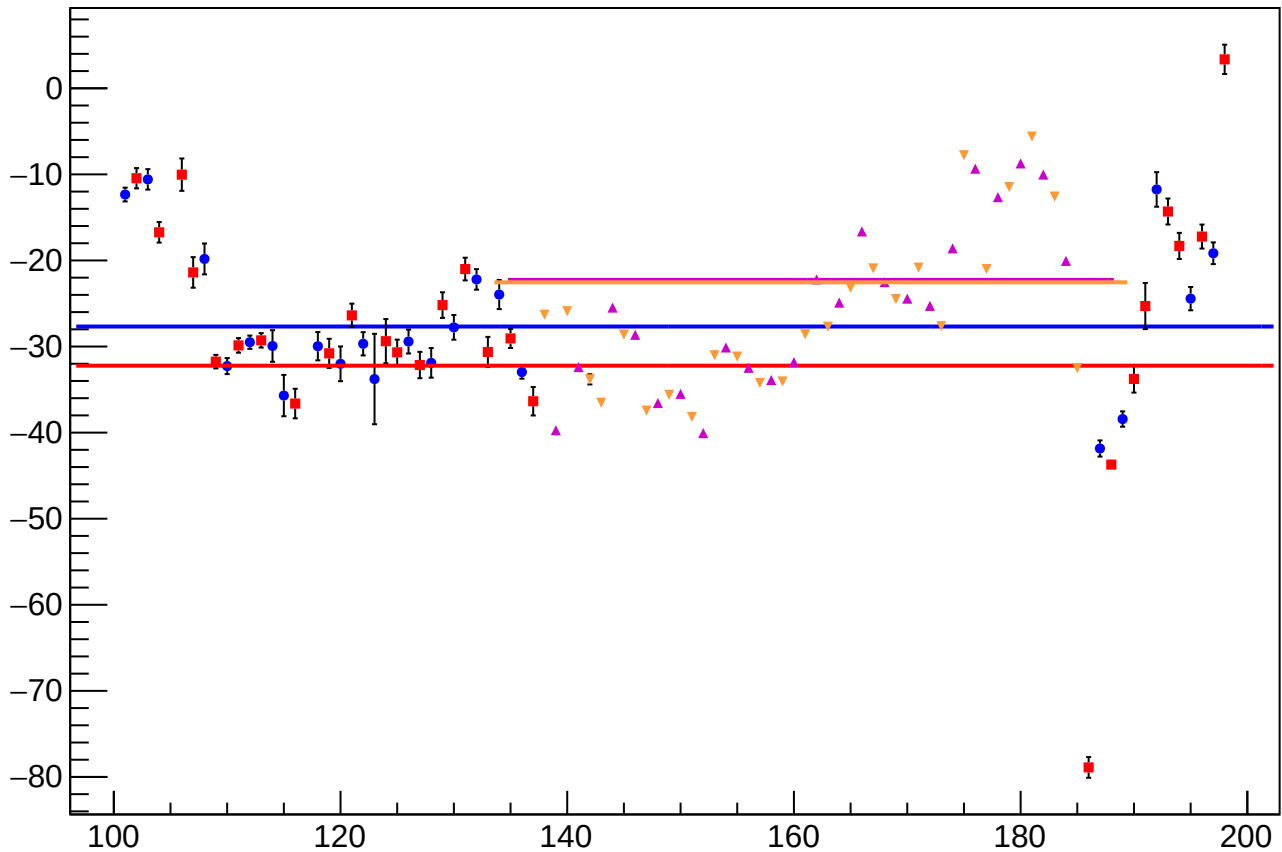
Right: 1.040 ± 0.117 $\chi^2/\text{NDF}: 1510.9/47$

In: 3.480 ± 0.053 $\chi^2/\text{NDF}: 6442.1/44$

Out: 3.484 ± 0.053 $\chi^2/\text{NDF}: 8631.4/50$

All: 3.482 ± 0.038 $\chi^2/\text{NDF}: 15073.5/95$

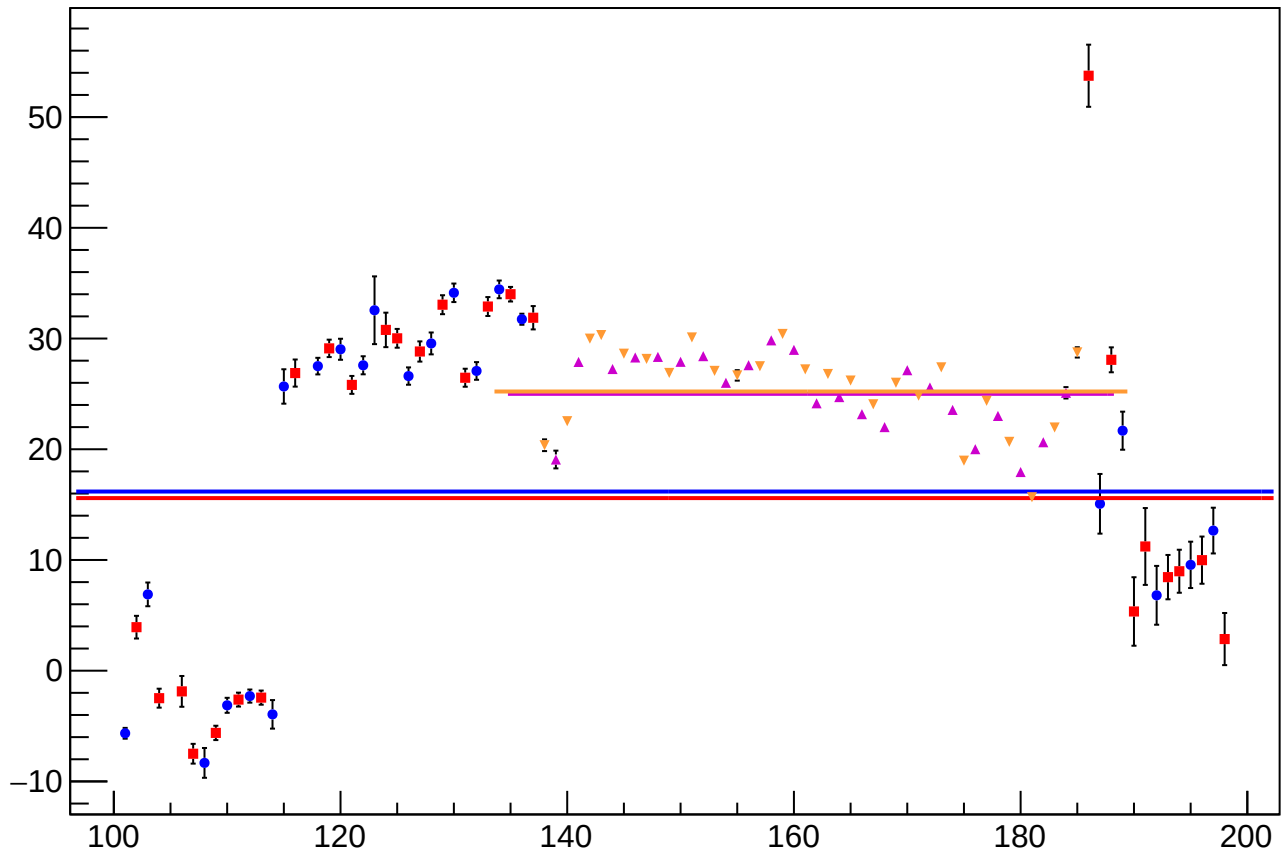
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -27.675 ± 0.259 $\chi^2/\text{NDF}: 1211.2/21$
 Left Out: -22.540 ± 0.071 $\chi^2/\text{NDF}: 19751.6/24$
 Right Out: -32.224 ± 0.226 $\chi^2/\text{NDF}: 3832.3/25$
 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: -30.250 ± 0.170 $\chi^2/\text{NDF}: 5218.8/47$
 In: -22.641 ± 0.069 $\chi^2/\text{NDF}: 19457.5/44$
 Out: -23.403 ± 0.068 $\chi^2/\text{NDF}: 25251.8/50$
 All: -23.028 ± 0.048 $\chi^2/\text{NDF}: 44771.8/95$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.182 $\pm$ 0.187 χ^2 /NDF: 7647.2/21

Left Out: 25.216 $\pm$ 0.063 χ^2 /NDF:3738.3/24

Right Out: 15.588 $\pm$ 0.190 χ^2 /NDF: 7650.3/25

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

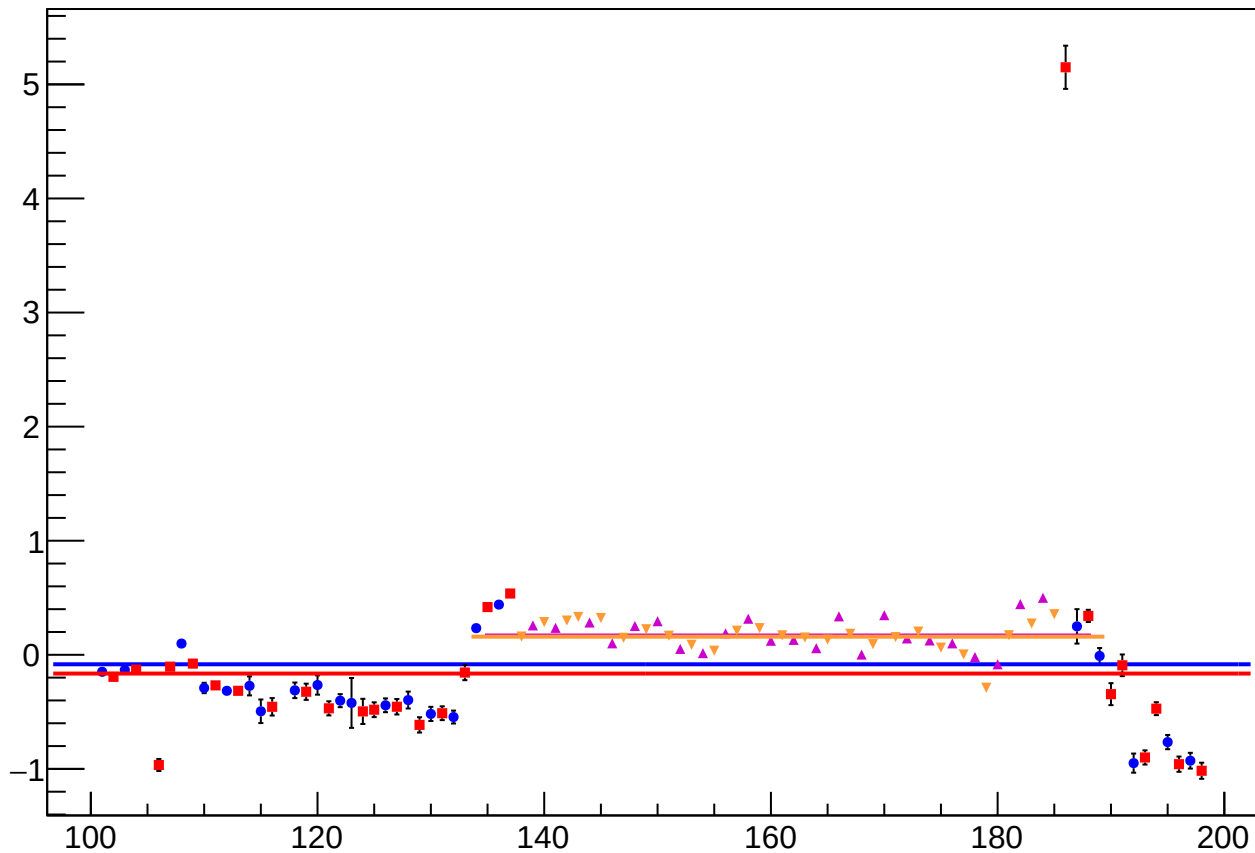
Right: 15.889 $\pm$ 0.133 χ^2 /NDF: 15302.5/47

In: 24.093 $\pm$ 0.060 χ^2 /NDF:12369.2/44

Out: 24.268 $\pm$ 0.060 χ^2 /NDF:13706.7/50

All: 24.182 $\pm$ 0.042 χ^2 /NDF: 26080.3/95

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.083 ± 0.010 χ^2/NDF : 1417.6/21

Left Out: 0.159 ± 0.003 χ^2/NDF : 1856.8/24

Right Out: -0.164 ± 0.010 χ^2/NDF : 2510.6/25

Left In: 0.169 ± 0.003 χ^2/NDF : 2430.7/22

Left: 0.164 ± 0.002 χ^2/NDF : 4293.8/47

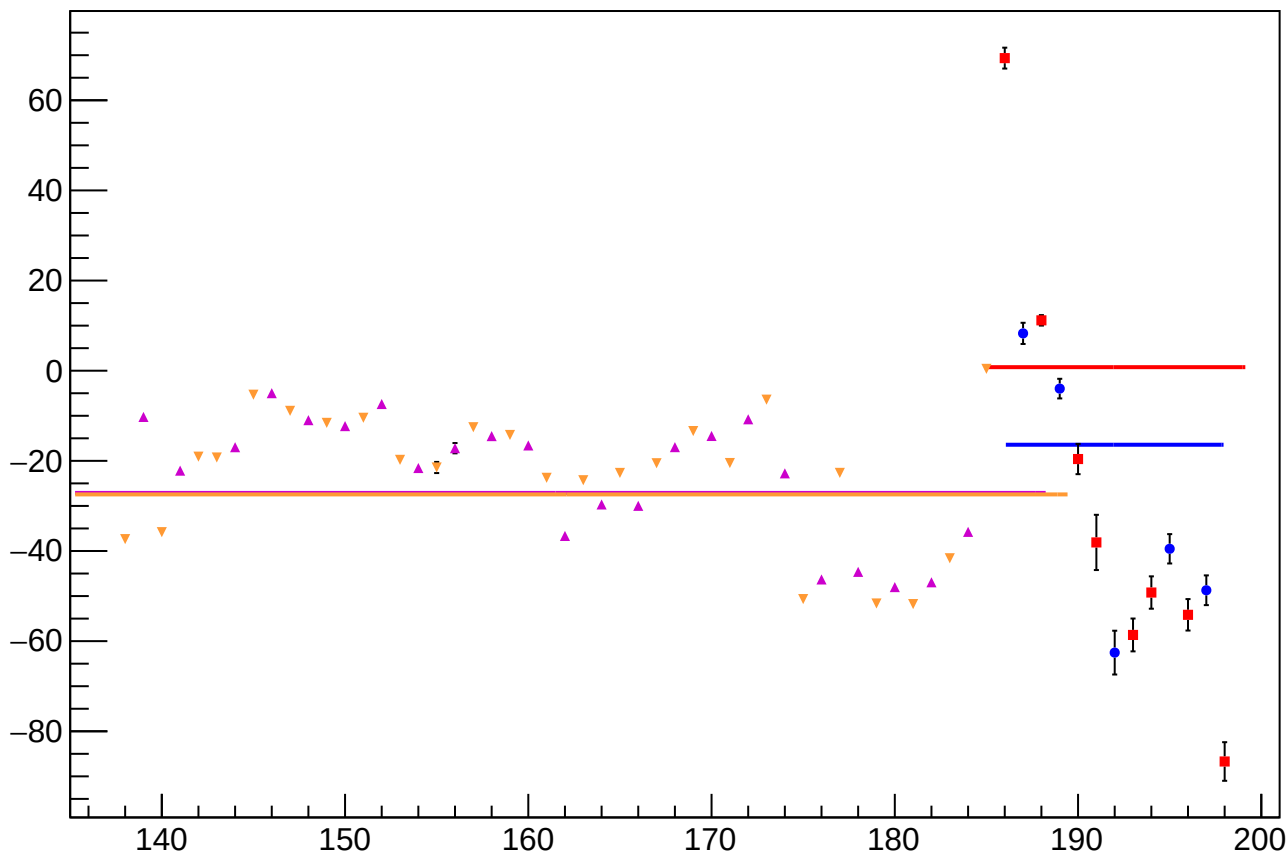
Right: -0.125 ± 0.007 χ^2/NDF : 3963.1/47

In: 0.149 ± 0.003 χ^2/NDF : 4449.4/44

Out: 0.132 ± 0.003 χ^2/NDF : 5409.9/50

All: 0.141 ± 0.002 χ^2/NDF : 9877.5/95

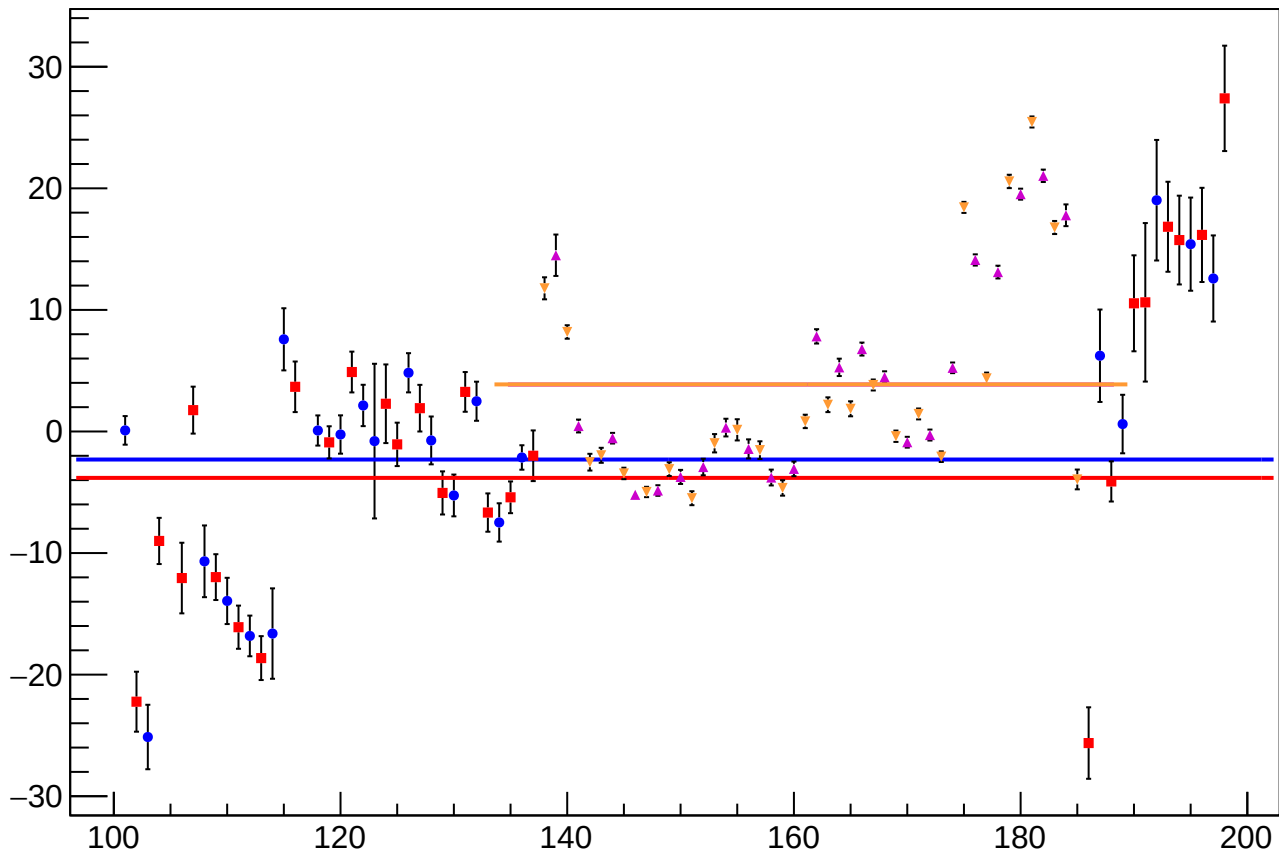
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.425 ± 1.270 $\chi^2/\text{NDF}: 379.3/4$
 Left Out: -27.447 ± 0.137 $\chi^2/\text{NDF}: 14820.6/24$
 Right Out: 0.786 ± 0.866 $\chi^2/\text{NDF}: 2157.3/7$
 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: -4.681 ± 0.716 $\chi^2/\text{NDF}: 2662.0/12$
 In: -26.988 ± 0.138 $\chi^2/\text{NDF}: 11893.1/27$
 Out: -26.757 ± 0.135 $\chi^2/\text{NDF}: 18014.4/32$
 All: -26.871 ± 0.097 $\chi^2/\text{NDF}: 29908.9/60$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.307 ± 0.394 χ^2/NDF : 348.0/21

Left Out: 3.873 ± 0.109 χ^2/NDF : 6906.0/24

Right Out: -3.817 ± 0.398 χ^2/NDF : 509.4/25

Left In: 3.861 ± 0.111 χ^2/NDF : 5438.4/22

Left: 3.867 ± 0.078 χ^2/NDF : 12344.4/47

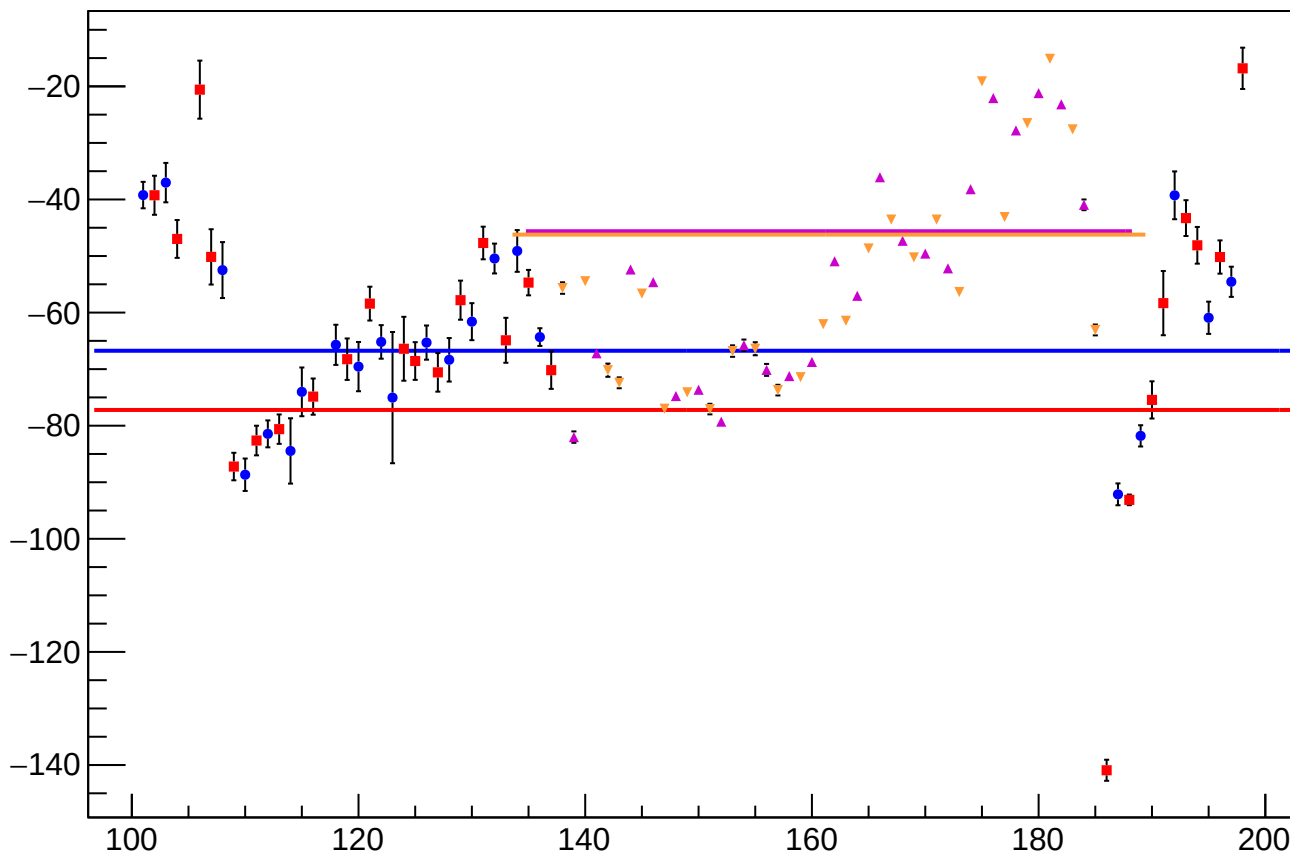
Right: -3.054 ± 0.280 χ^2/NDF : 864.7/47

In: 3.408 ± 0.107 χ^2/NDF : 6013.8/44

Out: 3.331 ± 0.106 χ^2/NDF : 7763.0/50

All: 3.369 ± 0.075 χ^2/NDF : 13777.0/95

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.749 ± 0.608 χ^2/NDF : 700.2/21

Left Out: -46.213 ± 0.138 χ^2/NDF : 19981.0/24

Right Out: -77.216 ± 0.520 χ^2/NDF : 2711.5/25

Left In: -45.616 ± 0.139 χ^2/NDF : 17743.8/22

Left: -45.917 ± 0.098 χ^2/NDF : 37734.0/47

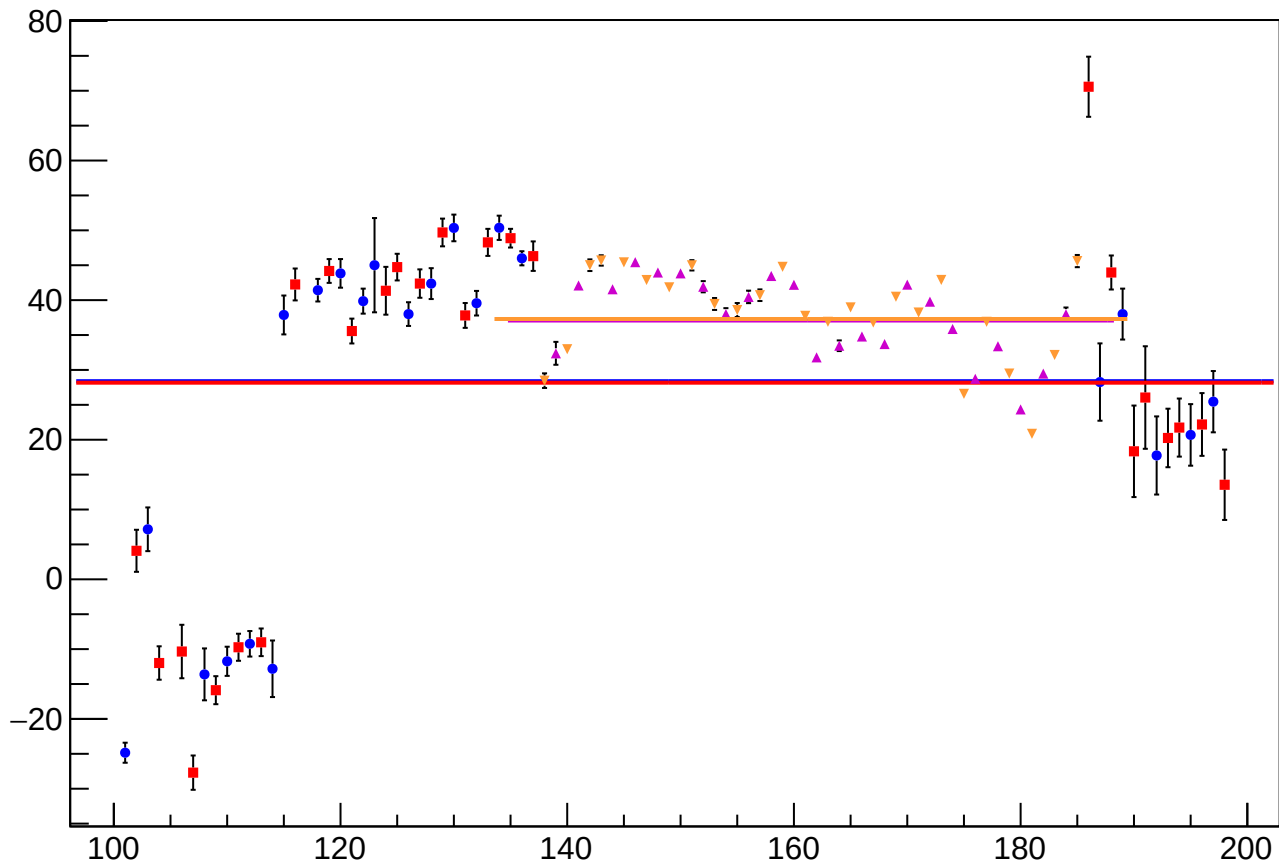
Right: -72.794 ± 0.395 χ^2/NDF : 3583.0/47

In: -46.669 ± 0.136 χ^2/NDF : 19592.7/44

Out: -48.257 ± 0.133 χ^2/NDF : 26013.9/50

All: -47.476 ± 0.095 χ^2/NDF : 45676.3/95

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.389 $\pm$ 0.446 χ^2 /NDF: 3344.3/21

Left Out: 37.298 $\pm$ 0.123 χ^2 /NDF:3113.0/24

Right Out: 28.173 $\pm$ 0.455 χ^2 /NDF: 3186.7/25

Left In: 37.079 $\pm$ 0.125 χ^2 /NDF:2405.4/22

Left: 37.190 $\pm$ 0.088 χ^2 /NDF: 5519.9/47

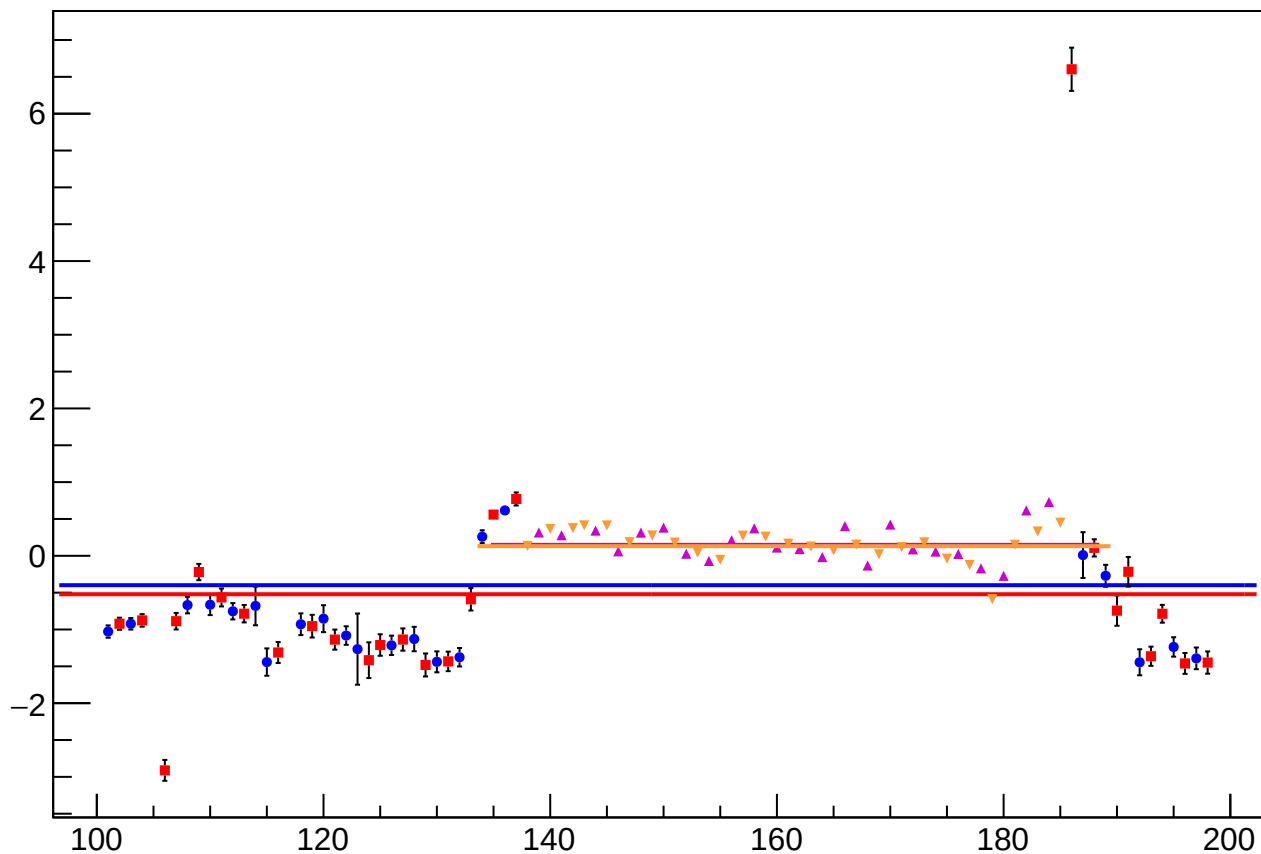
Right: 28.284 $\pm$ 0.319 χ^2 /NDF: 6531.2/47

In: 36.449 $\pm$ 0.120 χ^2 /NDF:6102.0/44

Out: 36.676 $\pm$ 0.119 χ^2 /NDF:6674.0/50

All: 36.564 $\pm$ 0.084 χ^2 /NDF: 12777.8/95

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.399 ± 0.024 χ^2/NDF : 1145.3/21

Left Out: 0.130 ± 0.006 χ^2/NDF : 1419.7/24

Right Out: -0.522 ± 0.023 χ^2/NDF : 1915.3/25

Left In: 0.149 ± 0.006 χ^2/NDF : 1813.7/22

Left: 0.139 ± 0.004 χ^2/NDF : 3238.6/47

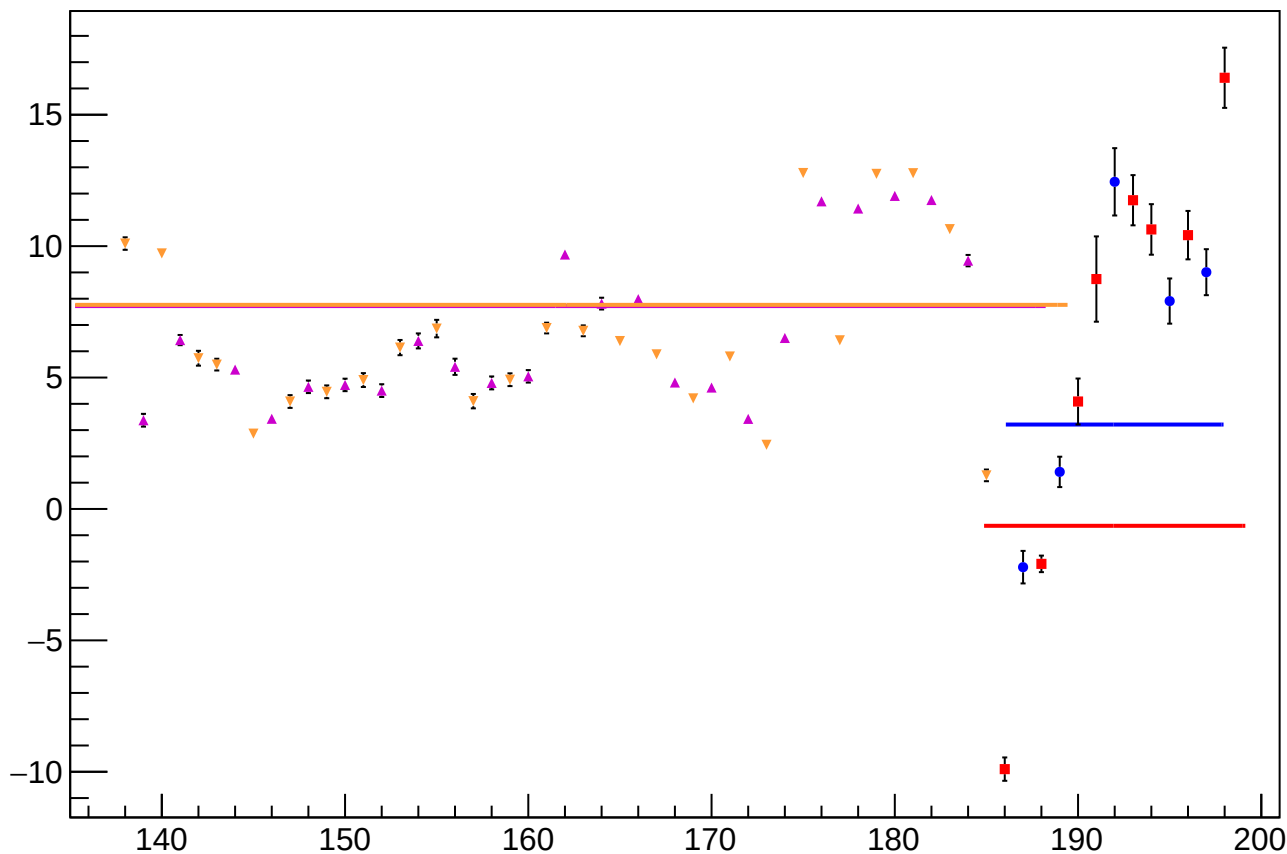
Right: -0.461 ± 0.017 χ^2/NDF : 3074.3/47

In: 0.118 ± 0.006 χ^2/NDF : 3470.1/44

Out: 0.094 ± 0.005 χ^2/NDF : 4081.6/50

All: 0.106 ± 0.004 χ^2/NDF : 7561.4/95

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.212 $\pm$ 0.336 χ^2 /NDF: 212.3/4

Left Out: 7.766 $\pm$ 0.034 χ^2 /NDF:11703.8/24

Right Out: -0.641 $\pm$ 0.218 χ^2 /NDF: 1189.5/7

Left In: 7.719 $\pm$ 0.035 χ^2 /NDF:8490.5/22

Left: 7.743 $\pm$ 0.025 χ^2 /NDF: 20195.2/47

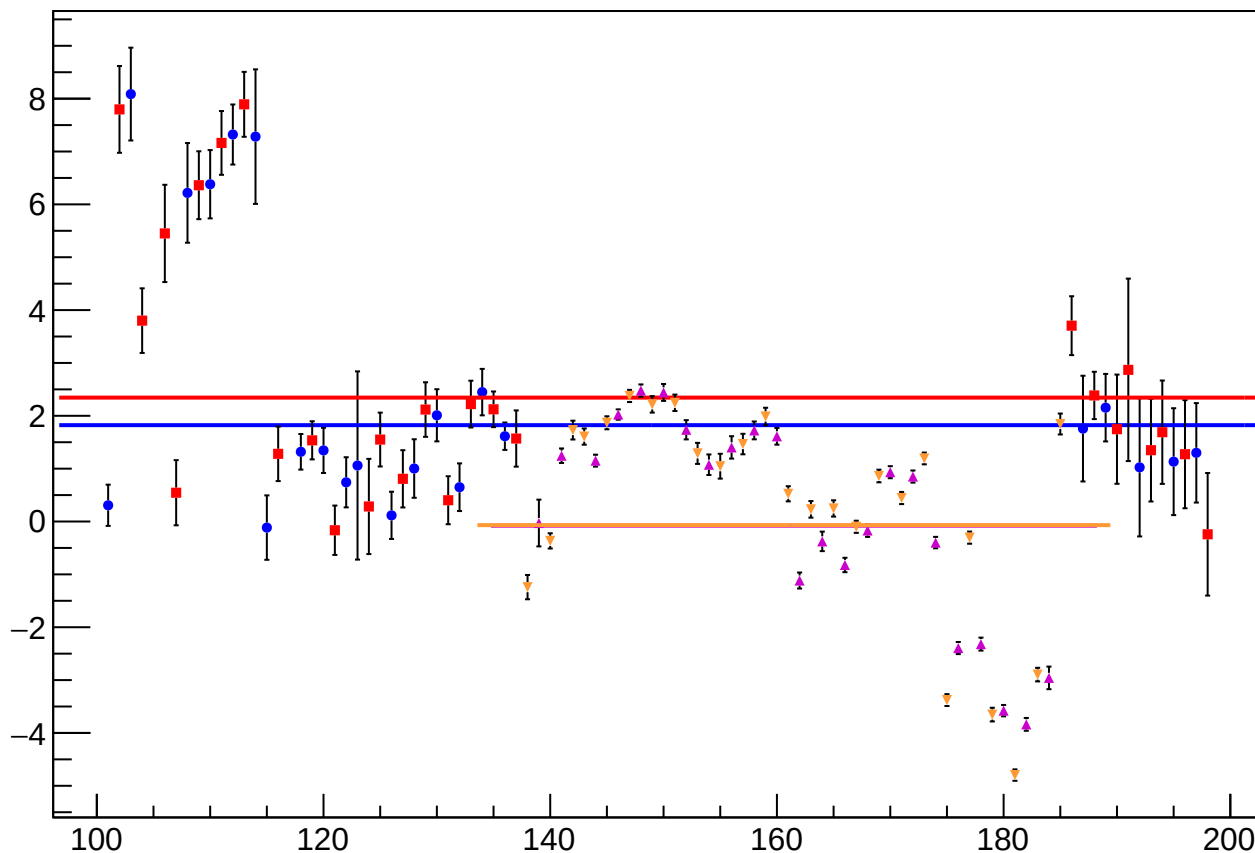
Right: 0.504 $\pm$ 0.183 χ^2 /NDF: 1494.4/12

In: 7.671 $\pm$ 0.035 χ^2 /NDF:8881.1/27

Out: 7.562 $\pm$ 0.034 χ^2 /NDF:14339.9/32

All: 7.616 $\pm$ 0.024 χ^2 /NDF: 23226.0/60

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



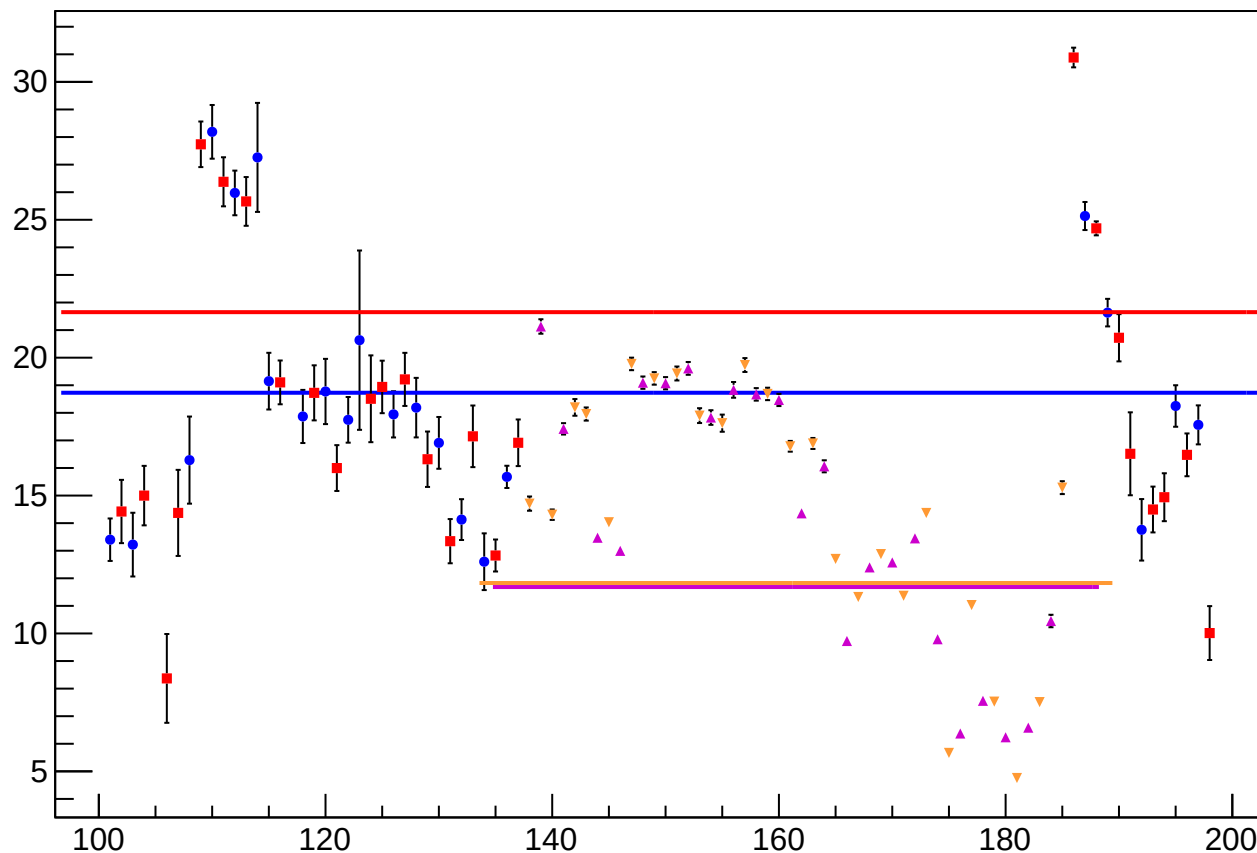
Right In: 1.823 ± 0.112 $\chi^2/\text{NDF}: 296.3/21$
 Left Out: -0.069 ± 0.028 $\chi^2/\text{NDF}: 6033.5/24$
 Right Out: 2.344 ± 0.112 $\chi^2/\text{NDF}: 343.2/25$
 Left In: -0.079 ± 0.028 $\chi^2/\text{NDF}: 4989.1/22$

Left: -0.074 ± 0.020 $\chi^2/\text{NDF}: 11022.7/47$
 Right: 2.082 ± 0.079 $\chi^2/\text{NDF}: 650.4/47$

In: 0.035 ± 0.027 $\chi^2/\text{NDF}: 5558.7/44$
 Out: 0.072 ± 0.027 $\chi^2/\text{NDF}: 6813.6/50$

All: 0.054 ± 0.019 $\chi^2/\text{NDF}: 12373.2/95$

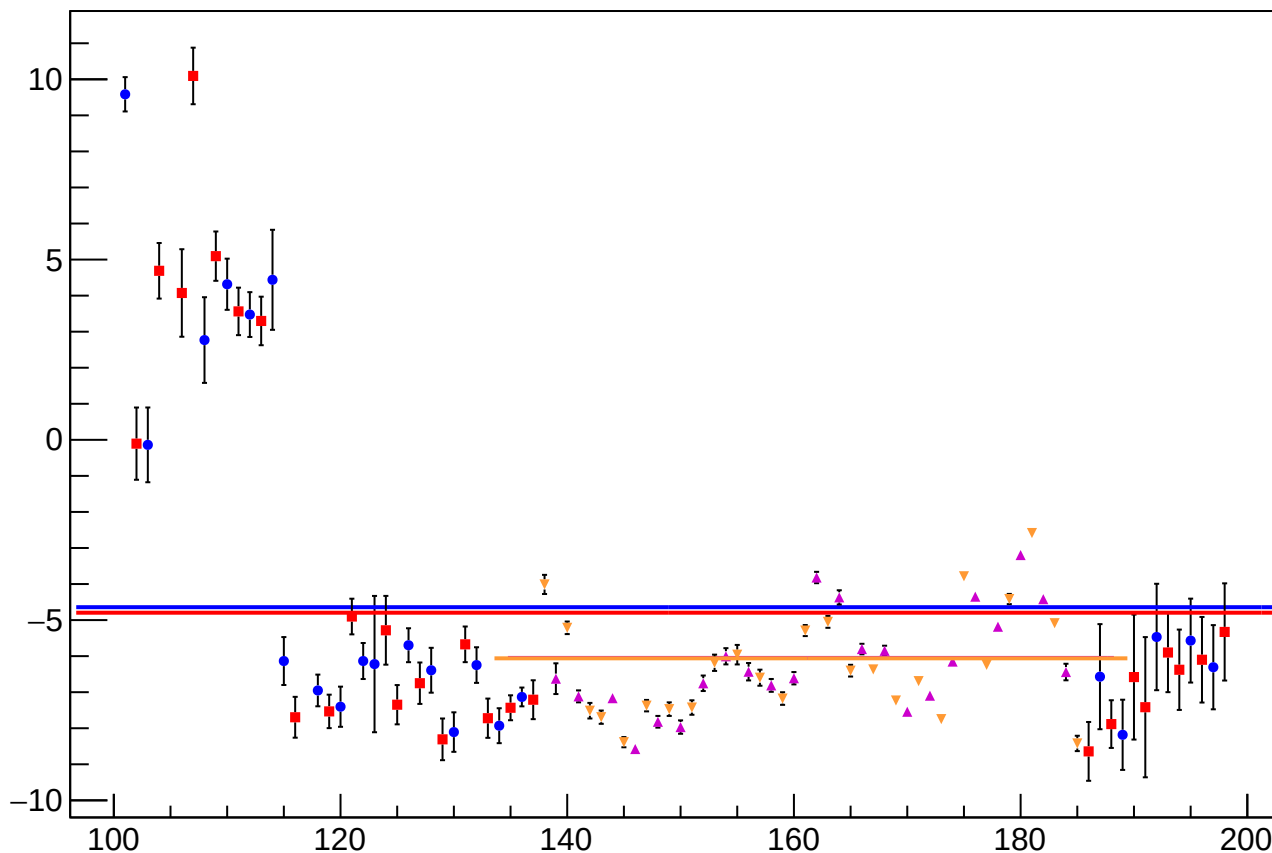
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.728 ± 0.170 $\chi^2/\text{NDF}: 620.6/21$
 Left Out: 11.830 ± 0.035 $\chi^2/\text{NDF}: 19032.5/24$
 Right Out: 21.651 ± 0.139 $\chi^2/\text{NDF}: 1914.3/25$
 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: 20.472 ± 0.108 $\chi^2/\text{NDF}: 2712.0/47$
 In: 11.972 ± 0.034 $\chi^2/\text{NDF}: 19201.7/44$
 Out: 12.403 ± 0.034 $\chi^2/\text{NDF}: 25617.1/50$
 All: 12.191 ± 0.024 $\chi^2/\text{NDF}: 44899.3/95$

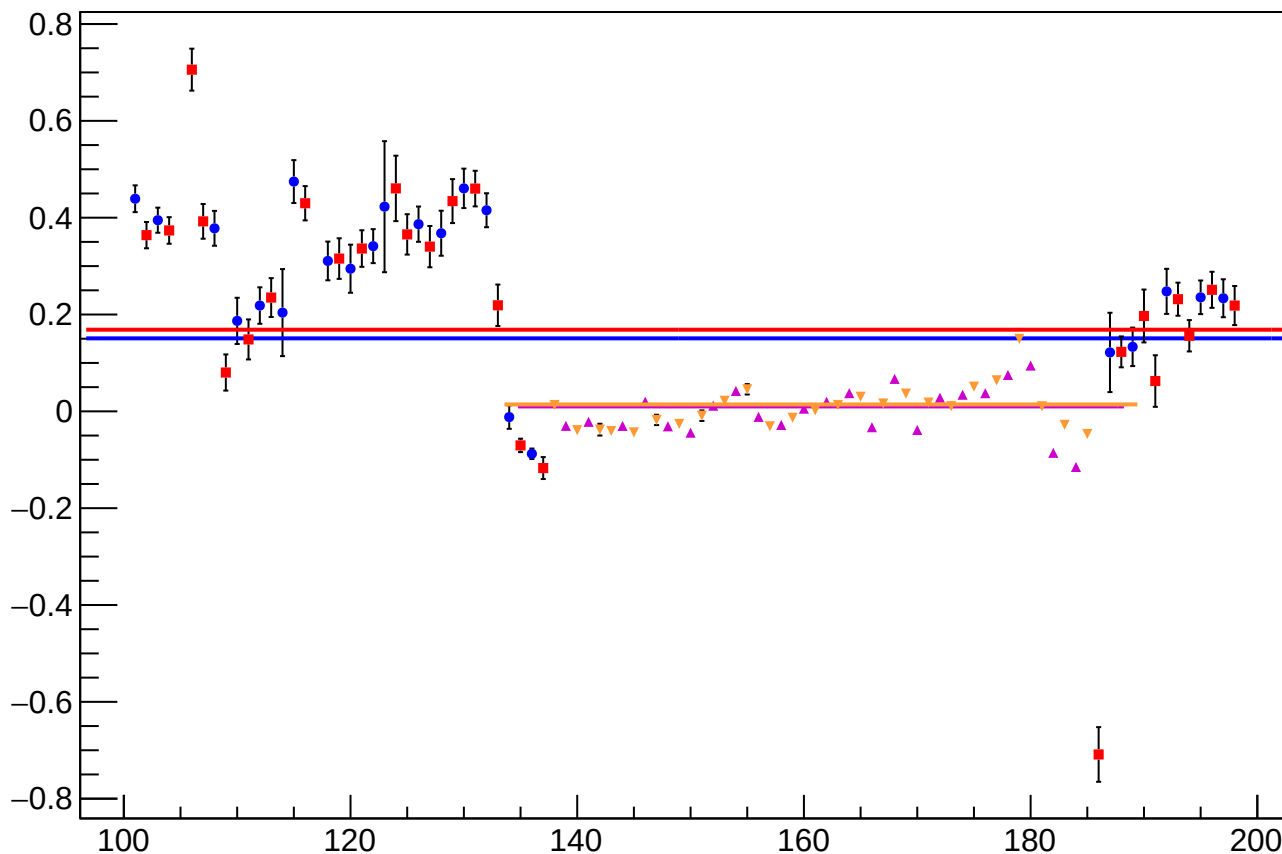
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.642 ± 0.126 $\chi^2/\text{NDF}: 1608.9/21$
 Left Out: -6.061 ± 0.031 $\chi^2/\text{NDF}: 2649.3/24$
 Right Out: -4.795 ± 0.129 $\chi^2/\text{NDF}: 1394.7/25$
 Left In: -6.050 ± 0.032 $\chi^2/\text{NDF}: 2303.3/22$

Left: -6.055 ± 0.022 $\chi^2/\text{NDF}: 4952.7/47$
 Right: -4.717 ± 0.090 $\chi^2/\text{NDF}: 3004.3/47$
 In: -5.966 ± 0.031 $\chi^2/\text{NDF}: 4029.8/44$
 Out: -5.990 ± 0.030 $\chi^2/\text{NDF}: 4135.5/50$
 All: -5.978 ± 0.022 $\chi^2/\text{NDF}: 8165.6/95$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.151 $\pm$ 0.007 χ^2 /NDF: 1076.6/21

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF:950.9/24

Right Out: 0.169 $\pm$ 0.007 χ^2 /NDF: 1263.4/25

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

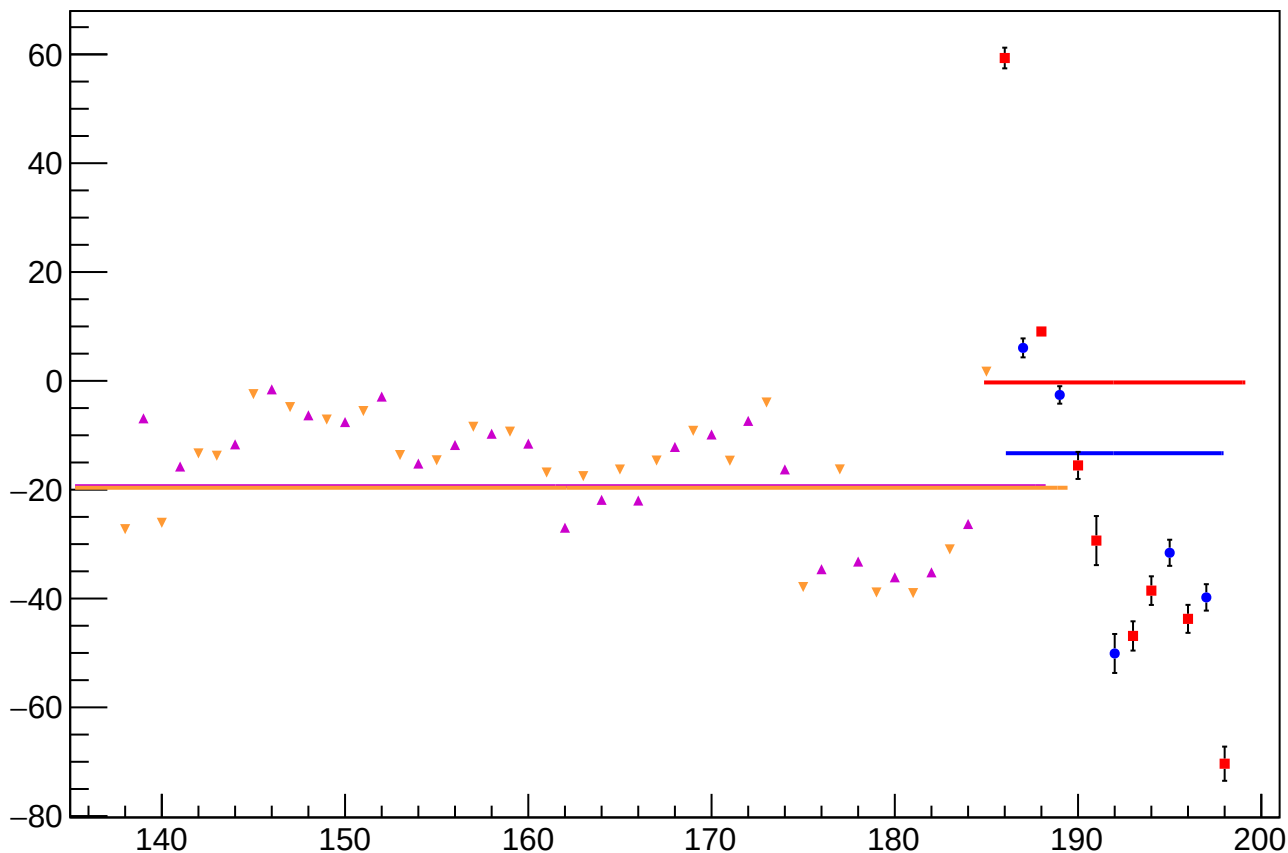
Right: 0.160 $\pm$ 0.005 χ^2 /NDF: 2343.7/47

In: 0.017 $\pm$ 0.001 χ^2 /NDF:2732.0/44

Out: 0.021 $\pm$ 0.001 χ^2 /NDF:2745.9/50

All: 0.019 $\pm$ 0.001 χ^2 /NDF: 5483.5/95

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -13.295 ± 0.937 $\chi^2/\text{NDF}: 451.1/4$
 Left Out: -19.642 ± 0.103 $\chi^2/\text{NDF}: 15730.6/24$
 Right Out: -0.291 ± 0.644 $\chi^2/\text{NDF}: 2479.2/7$
 Left In: -19.355 ± 0.105 $\chi^2/\text{NDF}: 12417.1/22$

Left: -19.501 ± 0.074 $\chi^2/\text{NDF}: 28151.5/47$

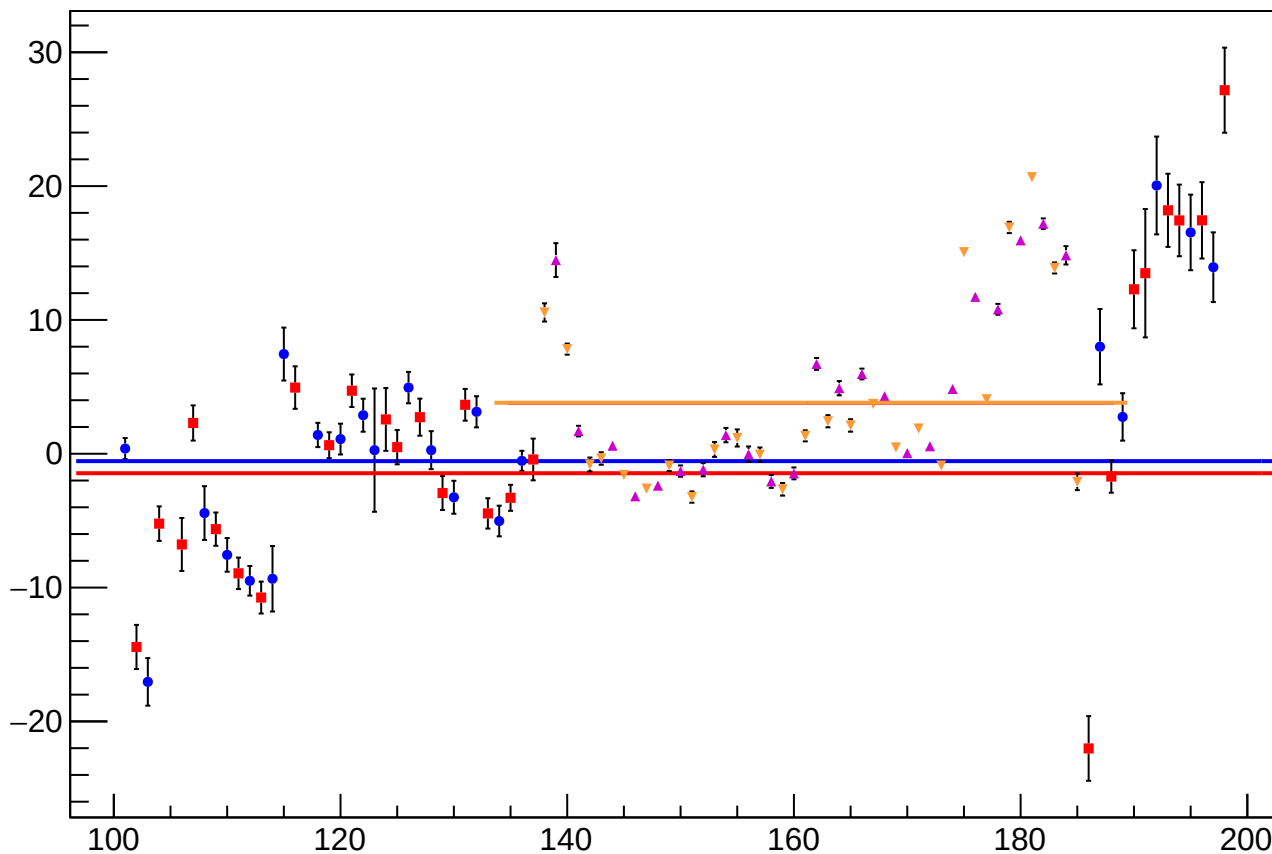
Right: -4.463 ± 0.530 $\chi^2/\text{NDF}: 3061.2/12$

In: -19.281 ± 0.104 $\chi^2/\text{NDF}: 12909.5/27$

Out: -19.156 ± 0.102 $\chi^2/\text{NDF}: 19090.9/32$

All: -19.217 ± 0.073 $\chi^2/\text{NDF}: 32001.1/60$

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.551 ± 0.281 χ^2/NDF : 396.0/21

Left Out: 3.811 ± 0.082 χ^2/NDF : 7118.3/24

Right Out: -1.454 ± 0.284 χ^2/NDF : 621.2/25

Left In: 3.795 ± 0.083 χ^2/NDF : 5534.4/22

Left: 3.803 ± 0.059 χ^2/NDF : 12652.7/47

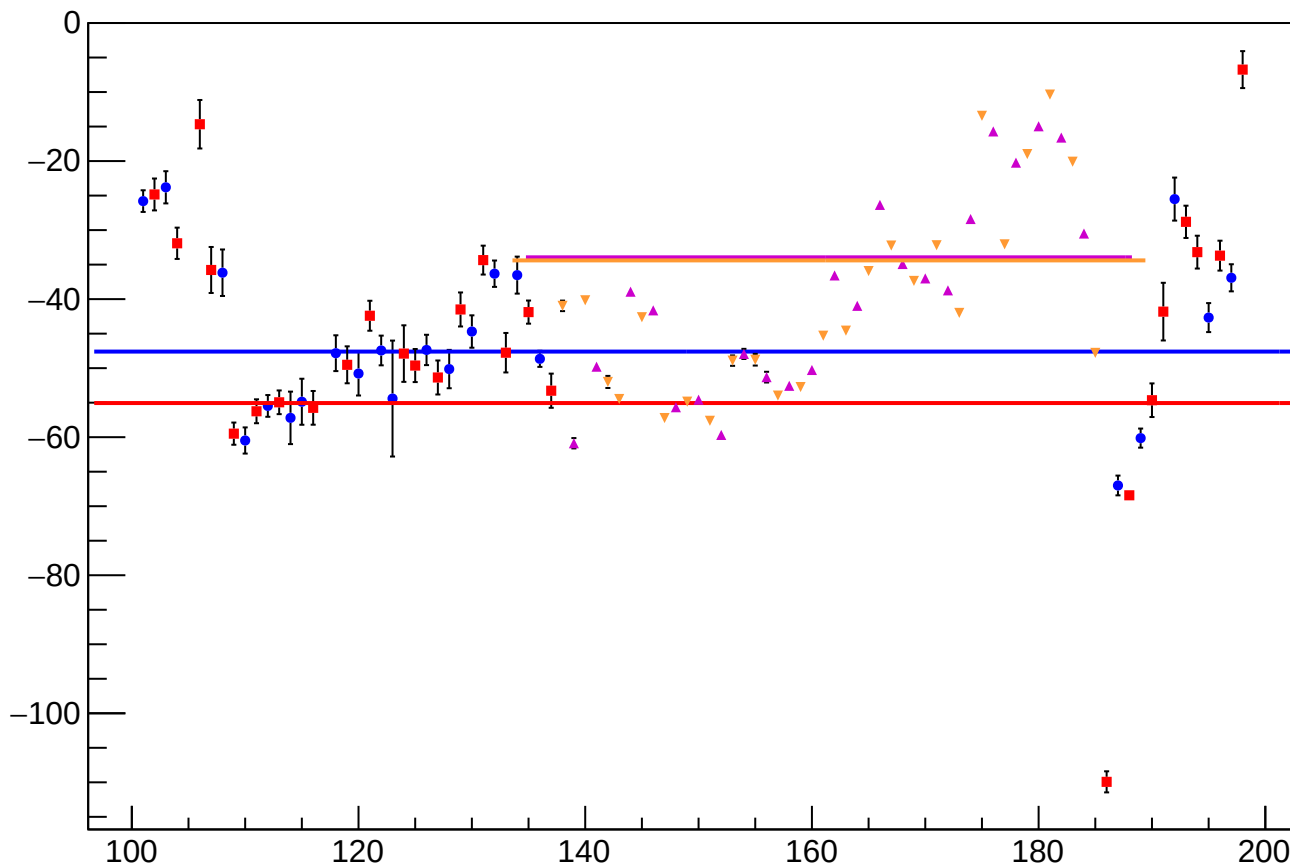
Right: -0.998 ± 0.200 χ^2/NDF : 1022.3/47

In: 3.444 ± 0.080 χ^2/NDF : 6150.6/44

Out: 3.402 ± 0.079 χ^2/NDF : 8057.2/50

All: 3.423 ± 0.056 χ^2/NDF : 14208.0/95

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -47.599 ± 0.436 χ^2/NDF : 798.8/21

Left Out: -34.389 ± 0.104 χ^2/NDF : 20032.2/24

Right Out: -55.055 ± 0.376 χ^2/NDF : 3010.0/25

Left In: -33.946 ± 0.105 χ^2/NDF : 17855.4/22

Left: -34.169 ± 0.074 χ^2/NDF : 37896.7/47

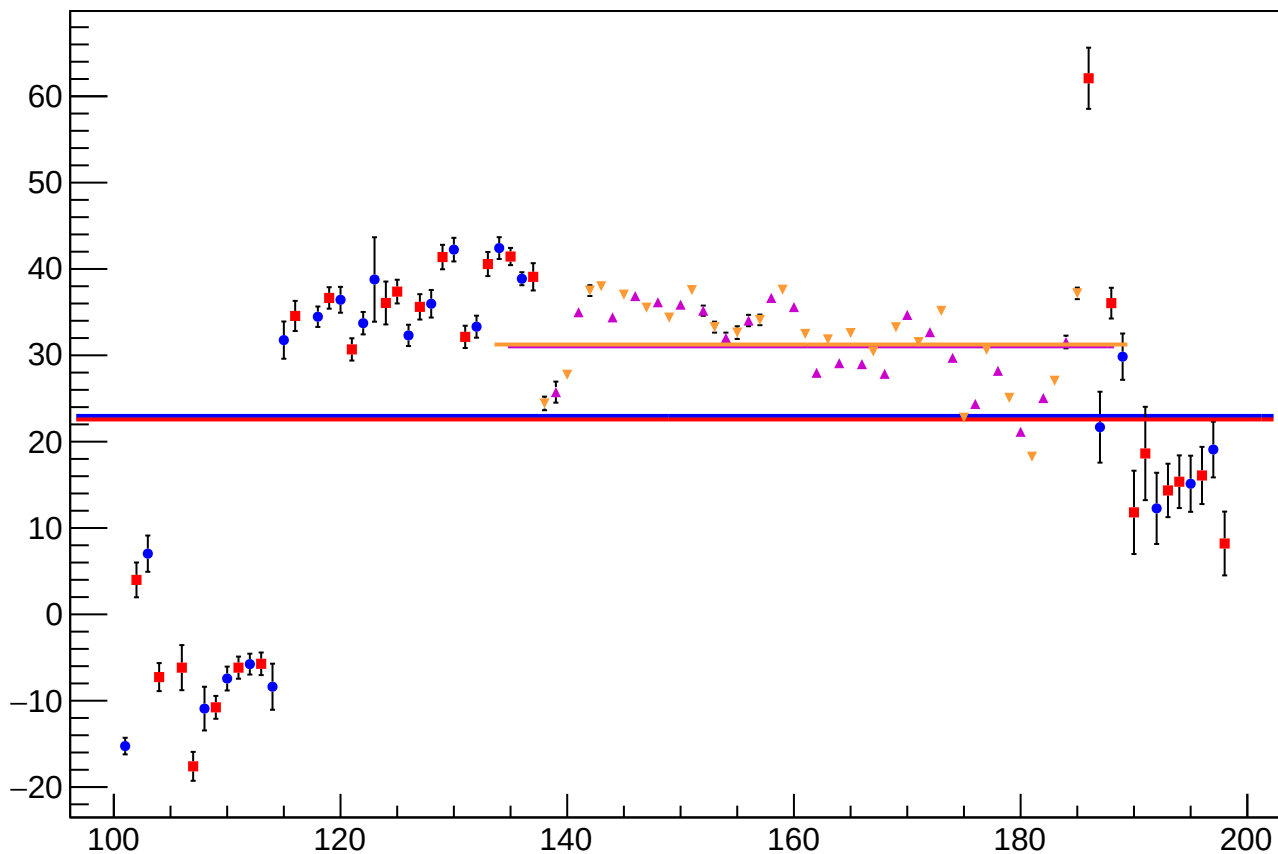
Right: -51.872 ± 0.285 χ^2/NDF : 3976.5/47

In: -34.693 ± 0.102 χ^2/NDF : 19581.5/44

Out: -35.859 ± 0.100 χ^2/NDF : 25845.7/50

All: -35.285 ± 0.072 χ^2/NDF : 45493.8/95

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.981 $\pm$ 0.319 χ^2 /NDF: 4366.7/21

Left Out: 31.252 $\pm$ 0.093 χ^2 /NDF:3305.3/24

Right Out: 22.571 $\pm$ 0.325 χ^2 /NDF: 4246.9/25

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

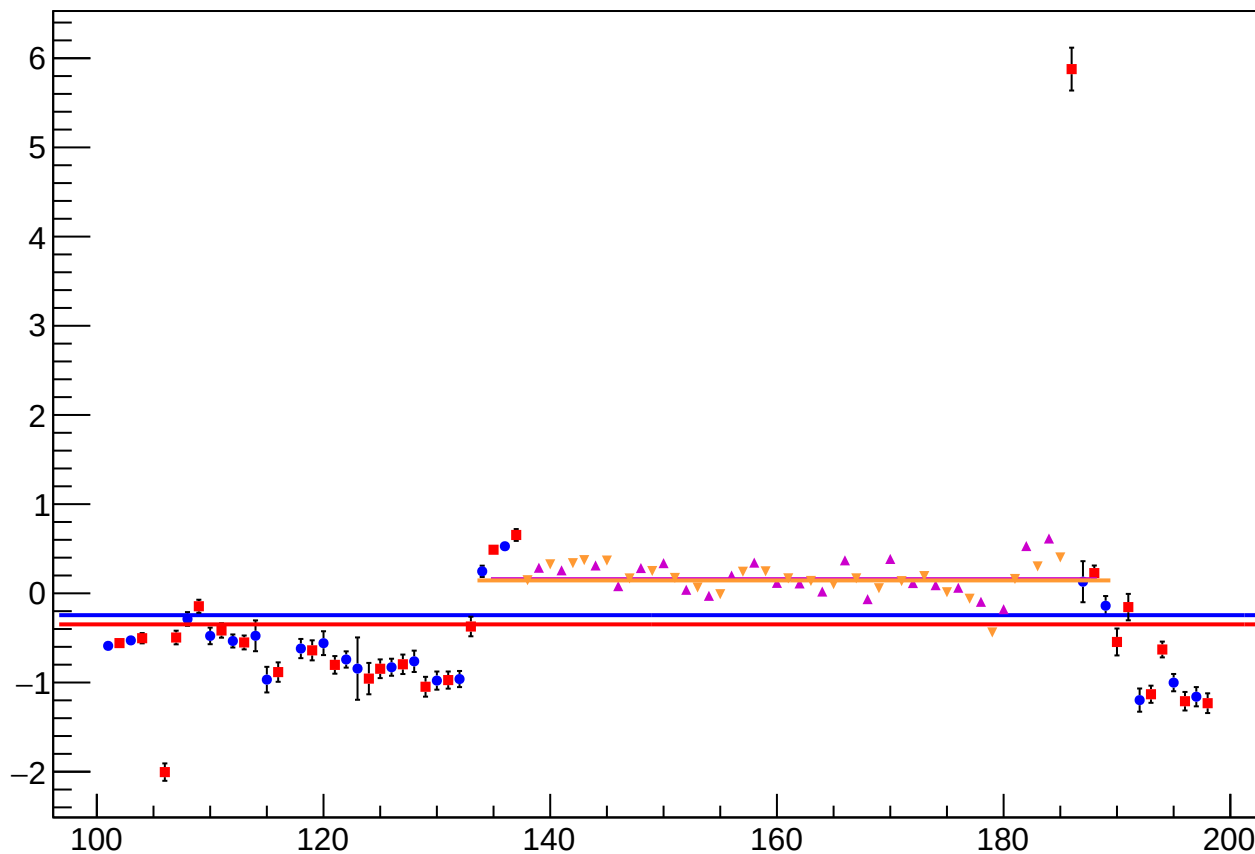
Right: 22.780 $\pm$ 0.227 χ^2 /NDF: 8614.4/47

In: 30.396 $\pm$ 0.090 χ^2 /NDF:7444.4/44

Out: 30.600 $\pm$ 0.089 χ^2 /NDF:8213.6/50

All: 30.499 $\pm$ 0.063 χ^2 /NDF: 15660.6/95

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.245 ± 0.017 χ^2/NDF : 1200.2/21

Left Out: 0.145 ± 0.004 χ^2/NDF : 1572.6/24

Right Out: -0.348 ± 0.017 χ^2/NDF : 2109.7/25

Left In: 0.159 ± 0.004 χ^2/NDF : 2020.5/22

Left: 0.152 ± 0.003 χ^2/NDF : 3598.6/47

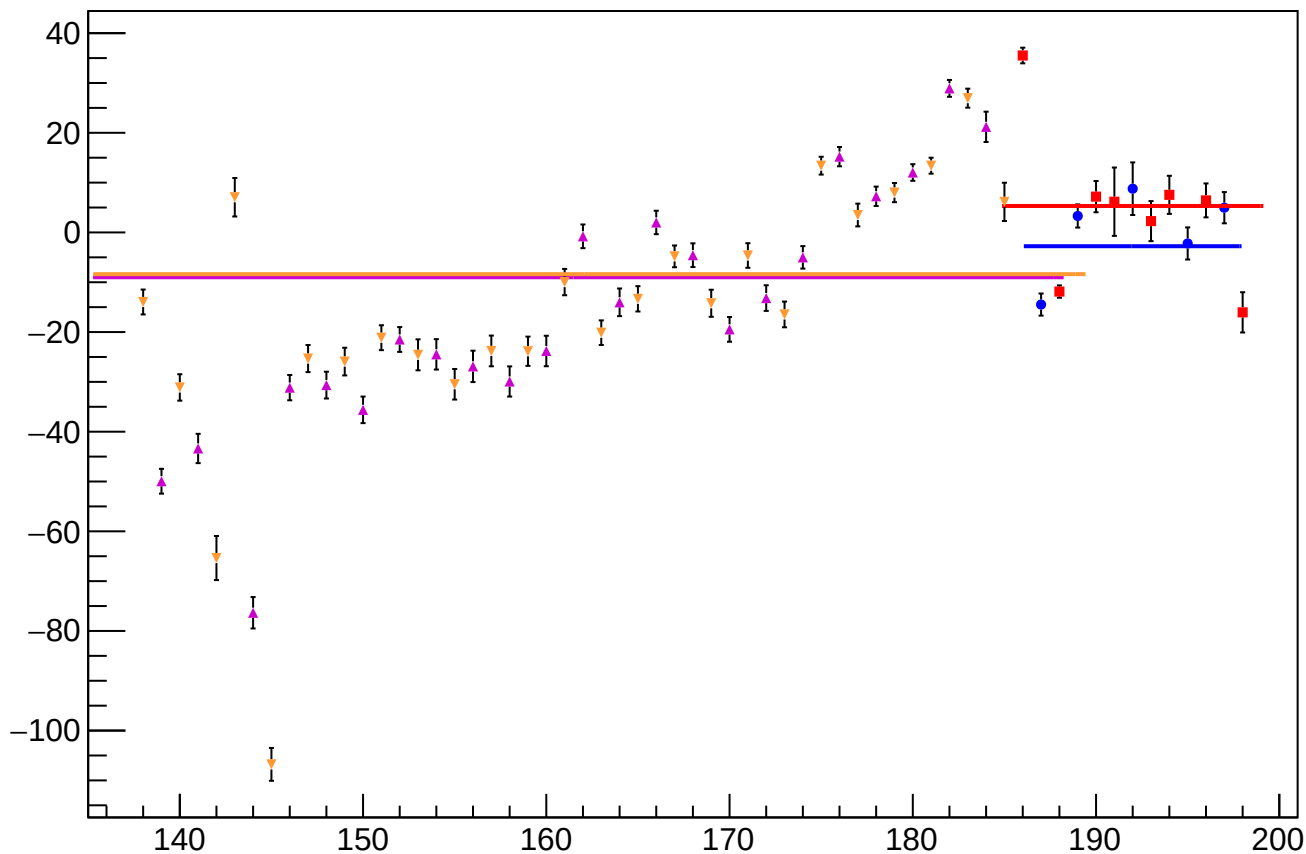
Right: -0.297 ± 0.012 χ^2/NDF : 3329.1/47

In: 0.134 ± 0.004 χ^2/NDF : 3762.1/44

Out: 0.114 ± 0.004 χ^2/NDF : 4518.4/50

All: 0.124 ± 0.003 χ^2/NDF : 8292.2/95

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.767 $\pm$ 1.268 χ^2 /NDF: 45.5/4

Left Out: -8.375 $\pm$ 0.500 χ^2 /NDF:2224.0/24

Right Out: 5.310 $\pm$ 0.828 χ^2 /NDF: 591.2/7

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

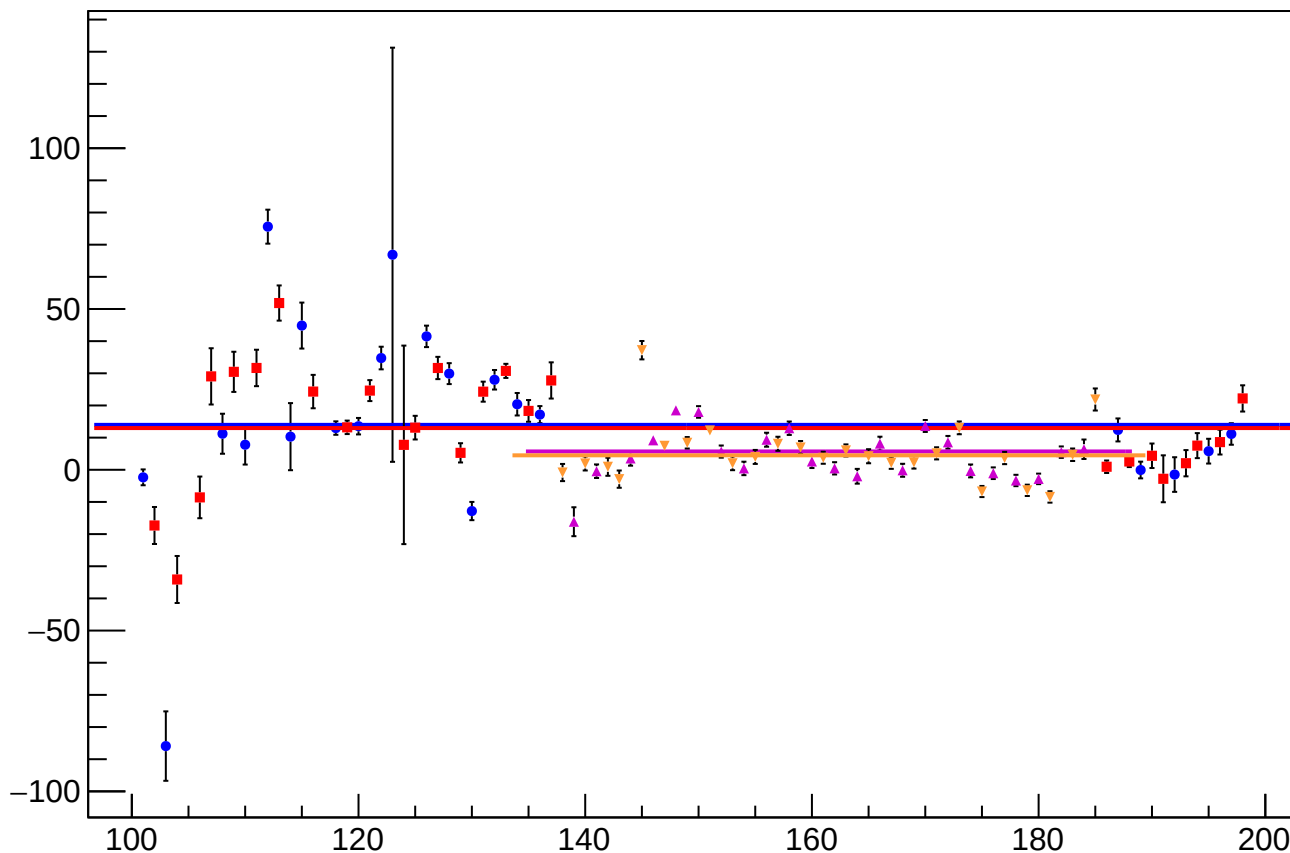
Right: 2.894 $\pm$ 0.694 χ^2 /NDF: 665.2/12

In: -8.143 $\pm$ 0.469 χ^2 /NDF:2374.6/27

Out: -4.718 $\pm$ 0.428 χ^2 /NDF:3015.2/32

All: -6.274 $\pm$ 0.316 χ^2 /NDF: 5418.9/60

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.969 $\pm$ 0.743 χ^2 /NDF: 571.5/21

Left Out: 4.494 $\pm$ 0.393 χ^2 /NDF: 372.1/24

Right Out: 12.971 $\pm$ 0.678 χ^2 /NDF: 394.3/25

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

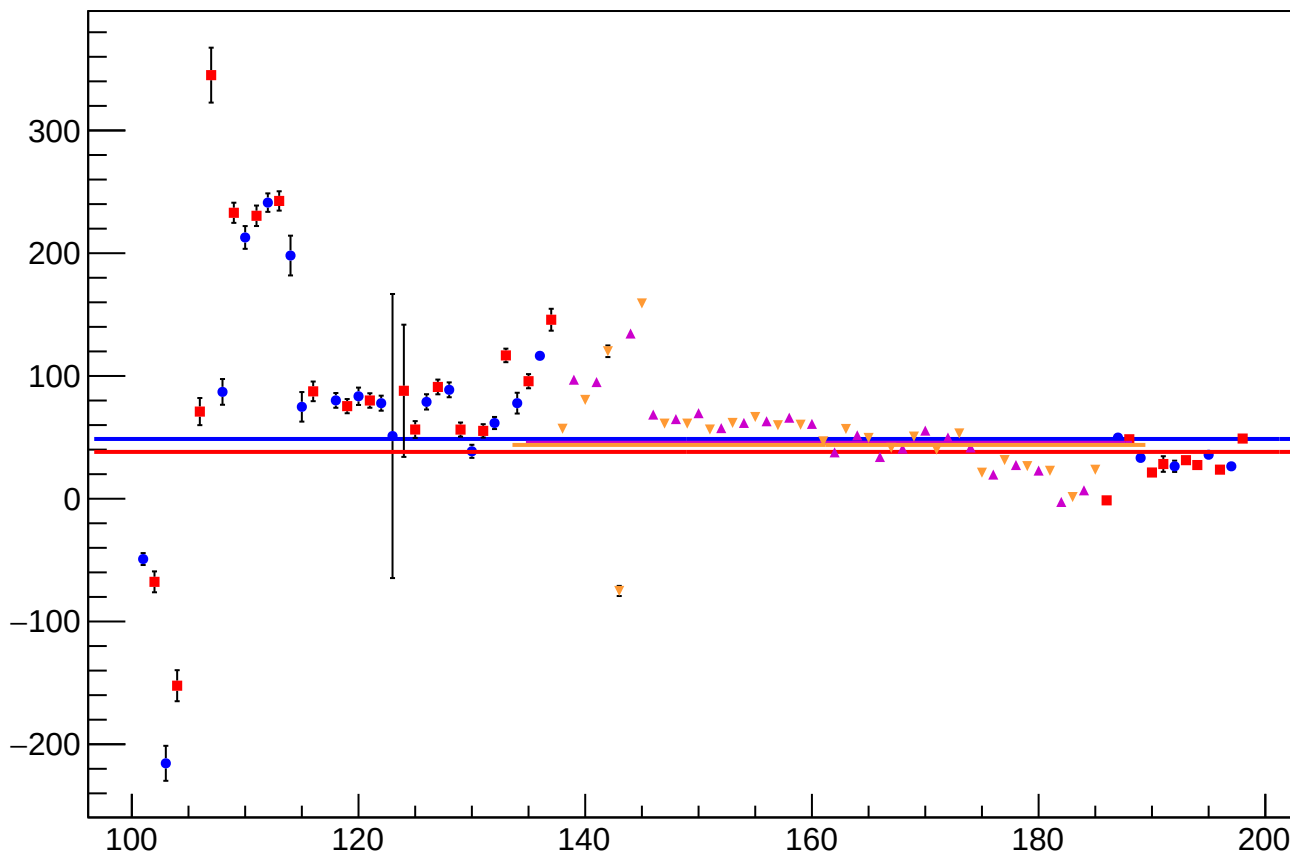
Right: 13.424 $\pm$ 0.501 χ^2 /NDF: 966.8/47

In: 7.579 $\pm$ 0.354 χ^2 /NDF: 996.3/44

Out: 6.624 $\pm$ 0.340 χ^2 /NDF: 883.5/50

All: 7.081 $\pm$ 0.245 χ^2 /NDF: 1883.5/95

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 48.683 $\pm$ 0.889 χ^2 /NDF: 2442.6/21

Left Out: 43.840 $\pm$ 0.499 χ^2 /NDF: 3680.9/24

Right Out: 38.138 $\pm$ 0.635 χ^2 /NDF: 4203.4/25

Left In: 45.559 $\pm$ 0.502 χ^2 /NDF: 3152.4/22

Left: 44.693 $\pm$ 0.354 χ^2 /NDF: 6839.2/47

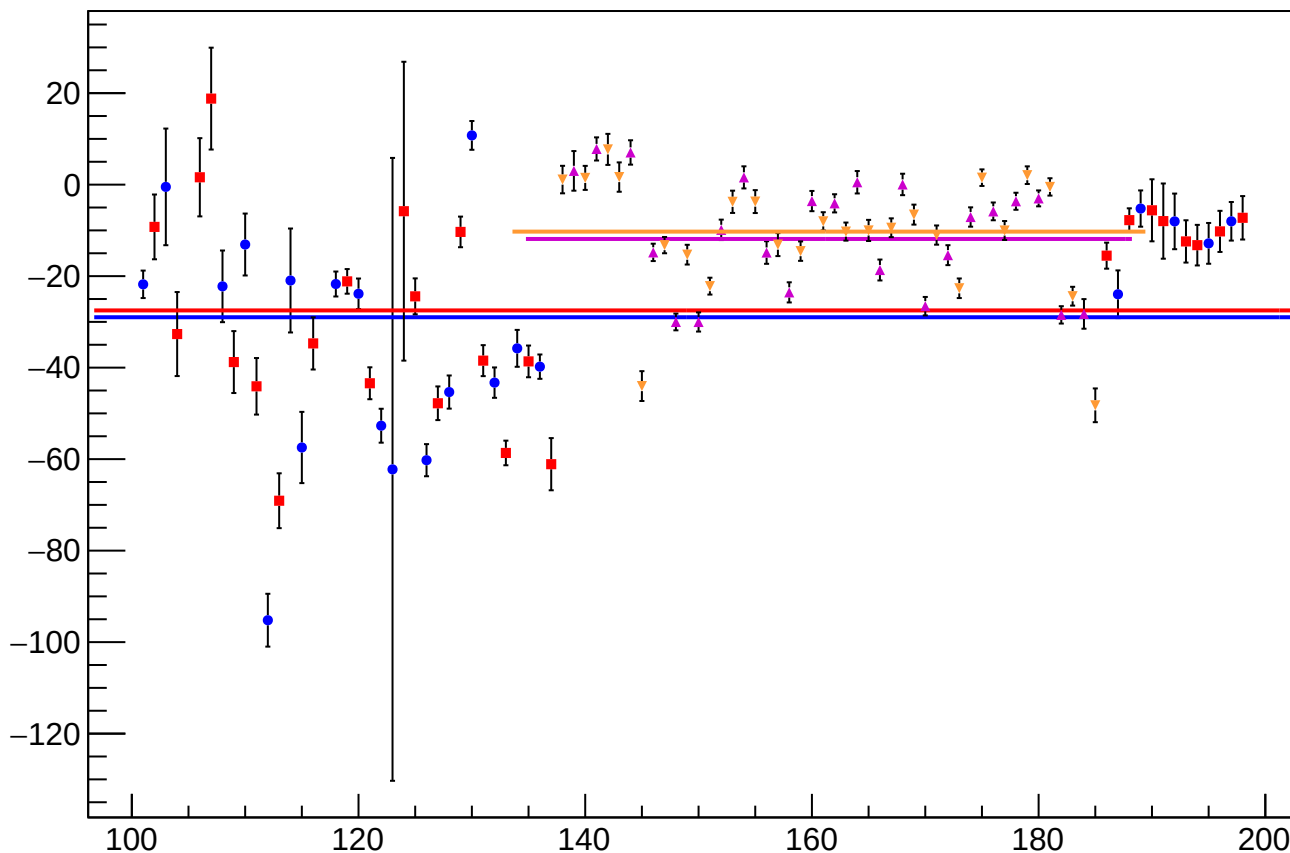
Right: 41.697 $\pm$ 0.517 χ^2 /NDF: 6739.2/47

In: 46.315 $\pm$ 0.437 χ^2 /NDF: 5604.4/44

Out: 41.662 $\pm$ 0.392 χ^2 /NDF: 7934.2/50

All: 43.736 $\pm$ 0.292 χ^2 /NDF: 13601.3/95

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.984 ± 0.879 χ^2/NDF : 596.8/21

Left Out: -10.267 ± 0.445 χ^2/NDF : 553.7/24

Right Out: -27.493 ± 0.830 χ^2/NDF : 515.5/25

Left In: -11.875 ± 0.455 χ^2/NDF : 668.4/22

Left: -11.053 ± 0.318 χ^2/NDF : 1228.5/47

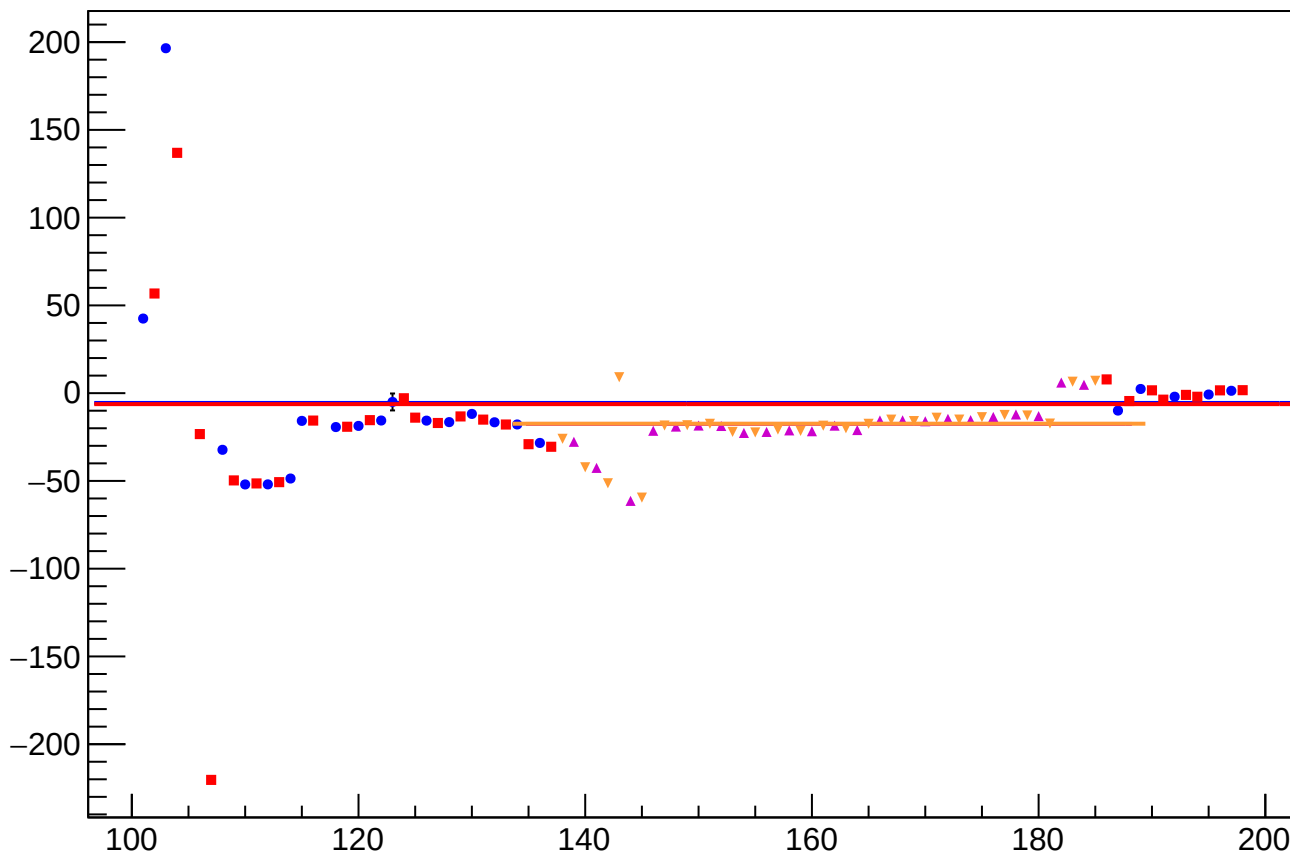
Right: -28.196 ± 0.604 χ^2/NDF : 1113.8/47

In: -15.485 ± 0.404 χ^2/NDF : 1563.9/44

Out: -14.109 ± 0.392 χ^2/NDF : 1403.5/50

All: -14.776 ± 0.281 χ^2/NDF : 2973.4/95

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -5.585 ± 0.046 χ^2/NDF : 585206.6/21

Left Out: -17.411 ± 0.020 χ^2/NDF : 320231.3/24

Right Out: -6.250 ± 0.041 χ^2/NDF : 579221.2/25

Left In: -17.552 ± 0.021 χ^2/NDF : 261900.3/22

Left: -17.481 ± 0.015 χ^2/NDF : 582155.3/47

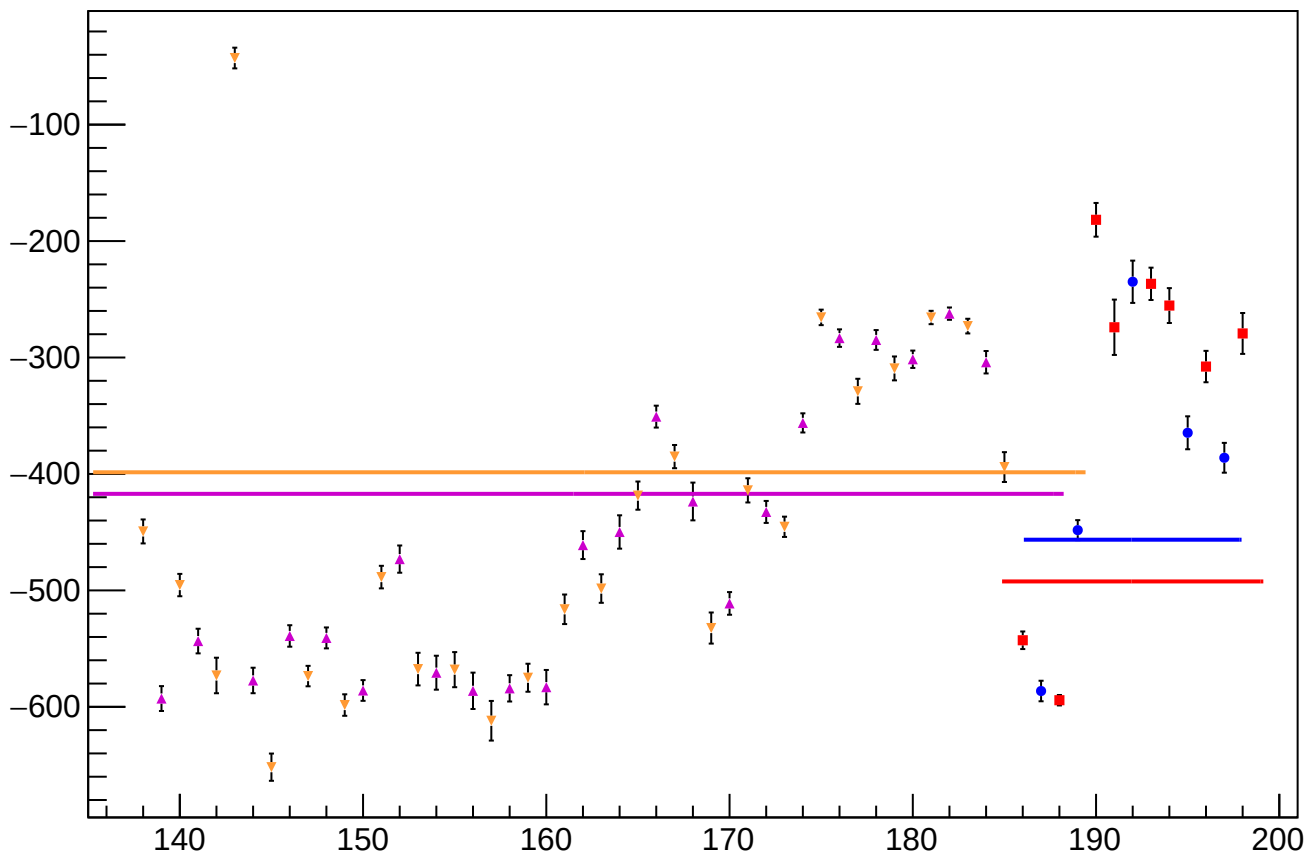
Right: -5.958 ± 0.031 χ^2/NDF : 1164542.9/47

In: -15.581 ± 0.019 χ^2/NDF : 902737.3/44

Out: -15.202 ± 0.018 χ^2/NDF : 958538.2/50

All: -15.386 ± 0.013 χ^2/NDF : 1861484.7/95

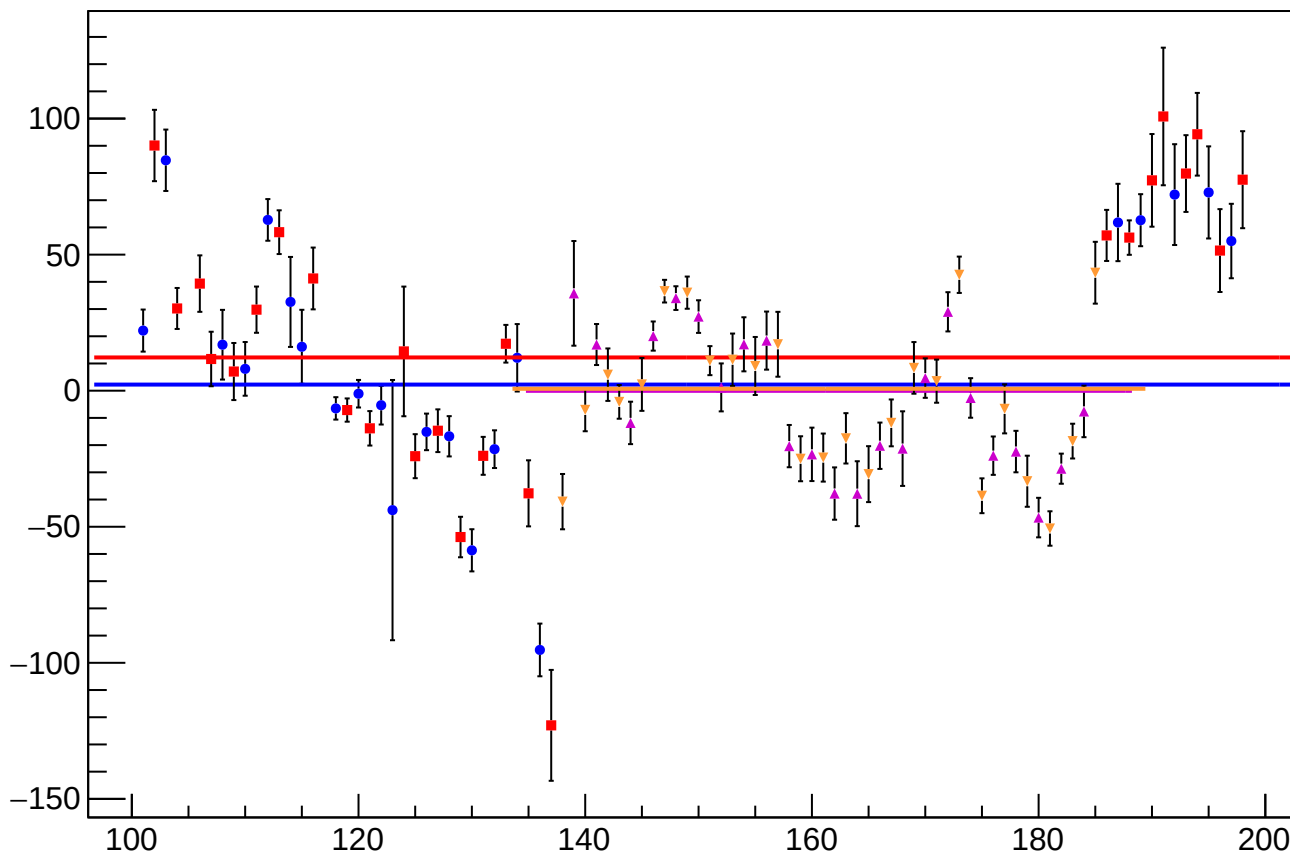
reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -456.461 $\pm$ 4.964 χ^2 /NDF: 439.3/4
 Left Out: -398.556 $\pm$ 1.962 χ^2 /NDF:5659.5/24
 Right Out: -492.300 $\pm$ 3.294 χ^2 /NDF: 2030.3/7
 Left In: -417.080 $\pm$ 1.997 χ^2 /NDF:3958.5/22

Left: -407.653 $\pm$ 1.399 χ^2 /NDF: 9661.9/47
 Right: -481.345 $\pm$ 2.745 χ^2 /NDF: 2505.8/12
 In: -422.564 $\pm$ 1.853 χ^2 /NDF:4452.0/27
 Out: -423.099 $\pm$ 1.685 χ^2 /NDF:8287.8/32
 All: -422.857 $\pm$ 1.247 χ^2 /NDF: 12739.9/60

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.246 ± 1.802 $\chi^2/\text{NDF}: 428.5/21$

Left Out: 0.697 ± 1.510 $\chi^2/\text{NDF}: 349.9/24$

Right Out: 12.216 ± 1.744 $\chi^2/\text{NDF}: 498.4/25$

Left In: -0.052 ± 1.571 $\chi^2/\text{NDF}: 264.1/22$

Left: 0.337 ± 1.089 $\chi^2/\text{NDF}: 614.1/47$

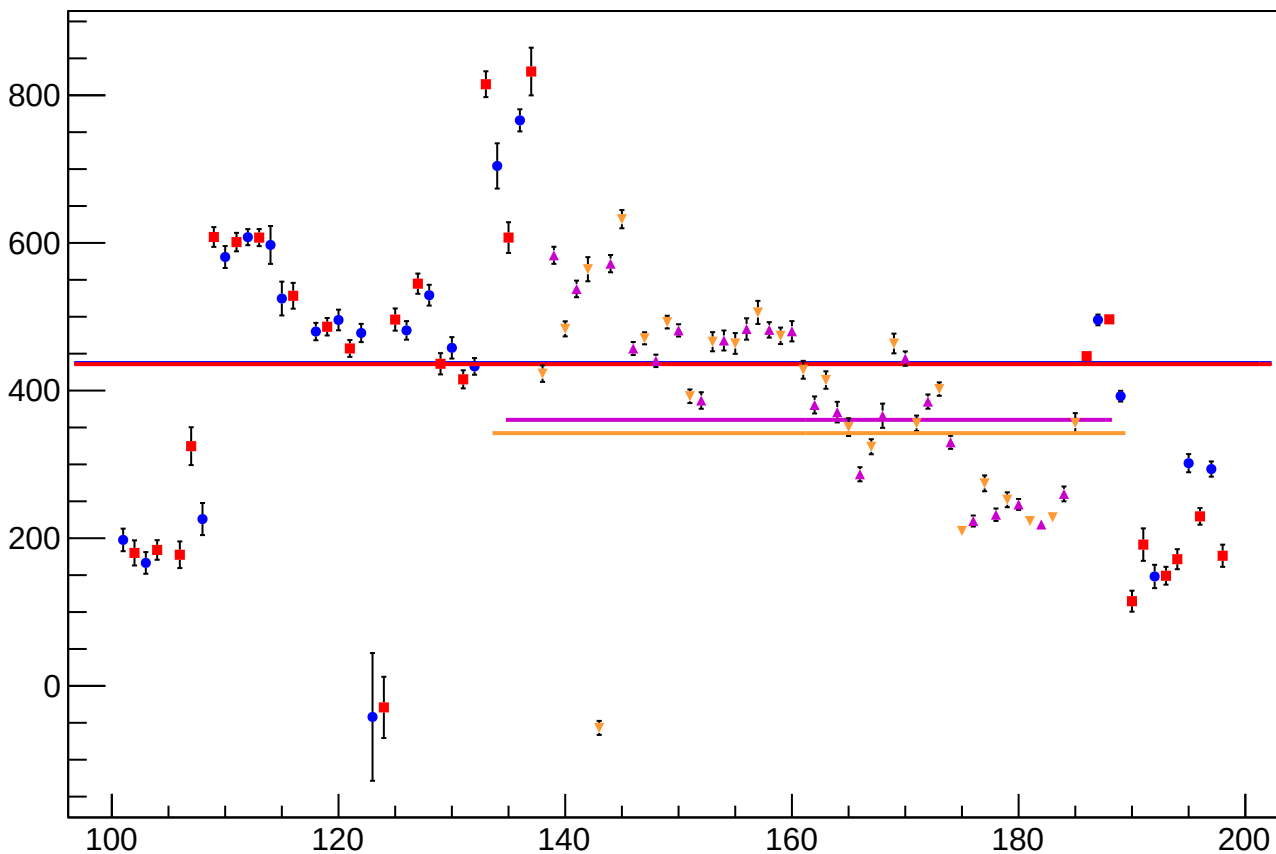
Right: 7.393 ± 1.253 $\chi^2/\text{NDF}: 942.7/47$

In: 0.940 ± 1.184 $\chi^2/\text{NDF}: 693.5/44$

Out: 5.633 ± 1.142 $\chi^2/\text{NDF}: 873.3/50$

All: 3.372 ± 0.822 $\chi^2/\text{NDF}: 1574.9/95$

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 437.248 $\pm$ 2.734 χ^2 /NDF: 2510.7/21

Left Out: 342.368 $\pm$ 1.970 χ^2 /NDF:5181.7/24

Right Out: 435.792 $\pm$ 2.155 χ^2 /NDF: 4806.3/25

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

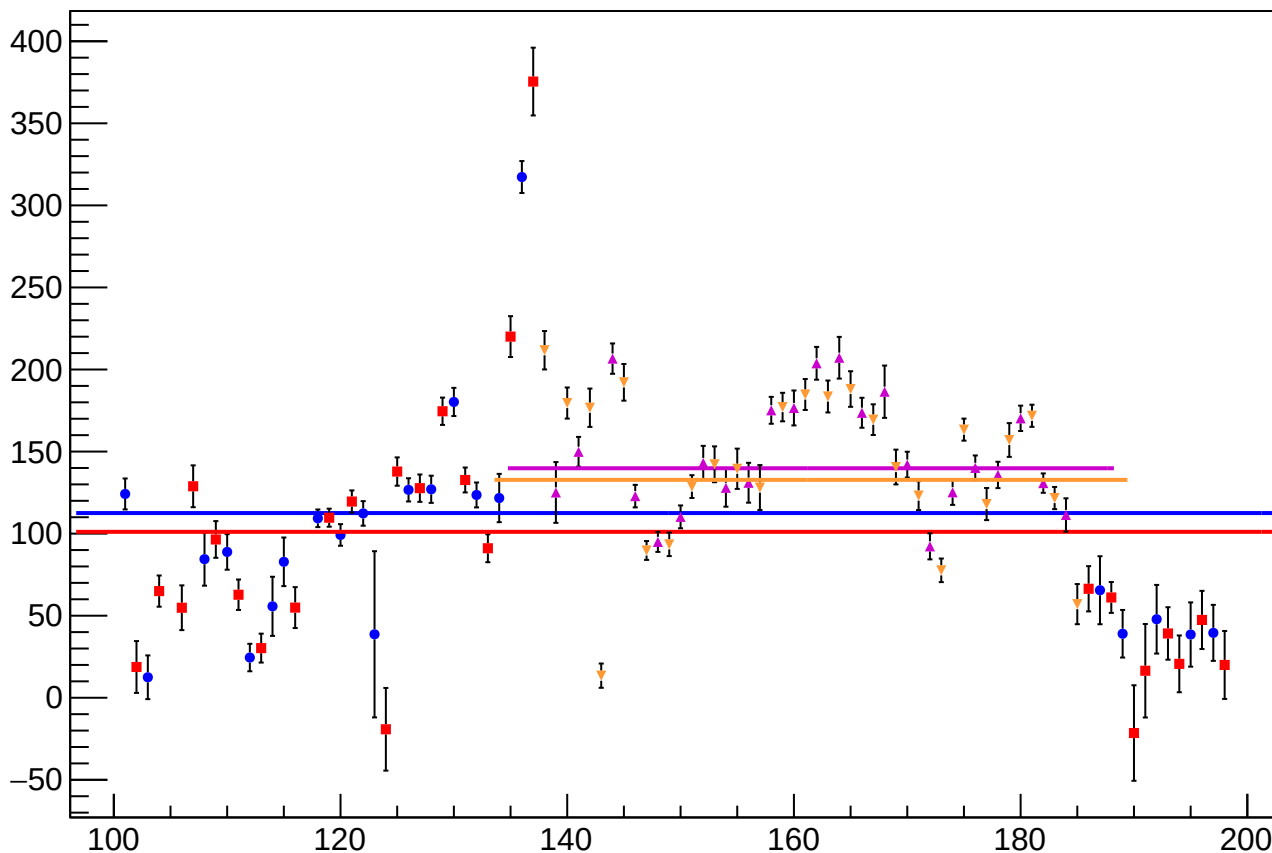
Right: 436.350 $\pm$ 1.693 χ^2 /NDF: 7317.2/47

In: 387.082 $\pm$ 1.612 χ^2 /NDF:6476.7/44

Out: 384.884 $\pm$ 1.454 χ^2 /NDF:11011.7/50

All: 385.870 $\pm$ 1.080 χ^2 /NDF: 17489.4/95

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 112.532 $\pm$ 2.116 χ^2 /NDF: 785.2/21

Left Out: 132.762 $\pm$ 1.736 χ^2 /NDF: 749.6/24

Right Out: 101.098 $\pm$ 2.058 χ^2 /NDF: 691.2/25

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

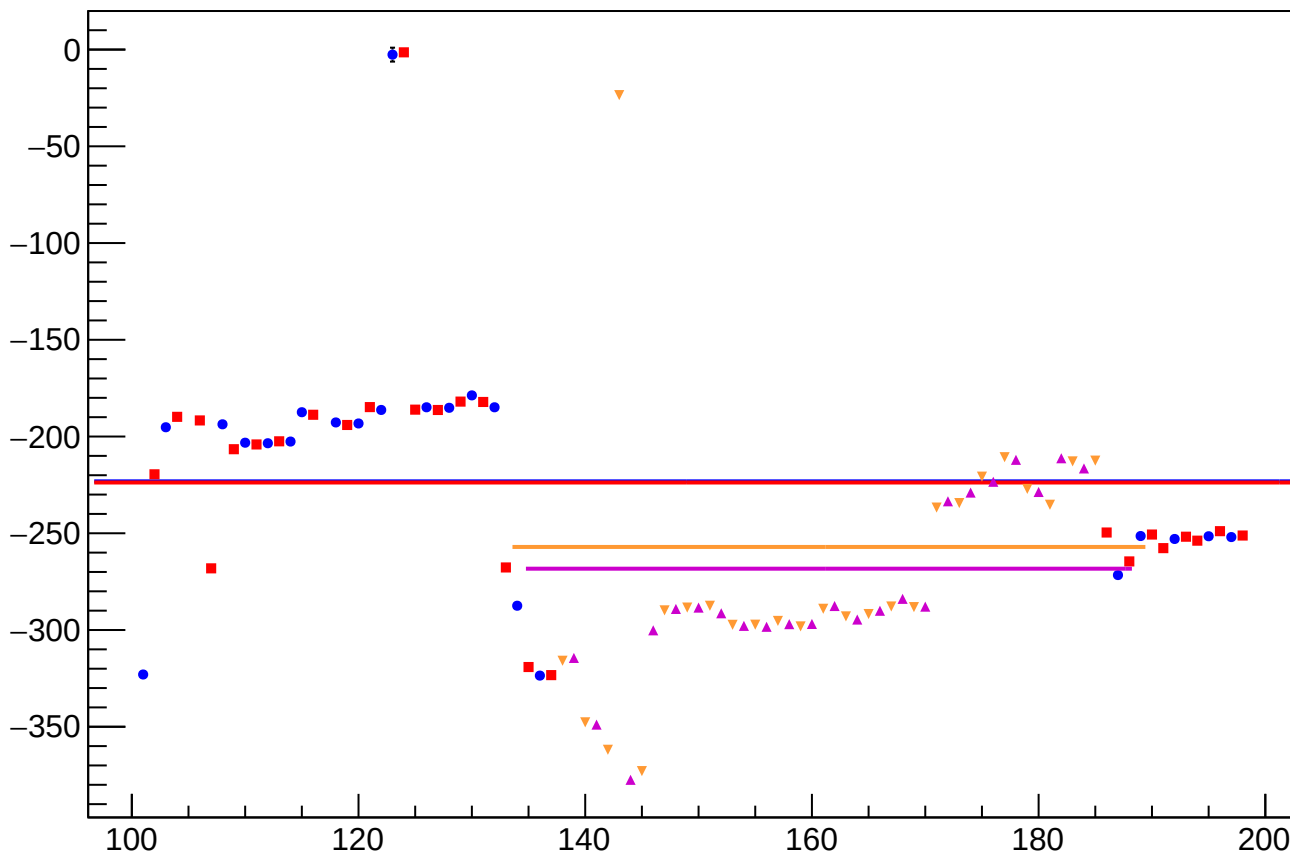
Right: 106.657 $\pm$ 1.475 χ^2 /NDF: 1491.4/47

In: 128.444 $\pm$ 1.366 χ^2 /NDF: 1203.9/44

Out: 119.603 $\pm$ 1.327 χ^2 /NDF: 1579.1/50

All: 123.894 $\pm$ 0.952 χ^2 /NDF: 2804.6/95

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -223.163 ± 0.123 $\chi^2/\text{NDF}: 159834.3/21$

Left Out: -257.067 ± 0.082 $\chi^2/\text{NDF}: 665762.3/24$

Right Out: -223.763 ± 0.111 $\chi^2/\text{NDF}: 141738.7/25$

Left In: -268.305 ± 0.083 $\chi^2/\text{NDF}: 264853.3/22$

Left: -262.619 ± 0.059 $\chi^2/\text{NDF}: 939831.3/47$

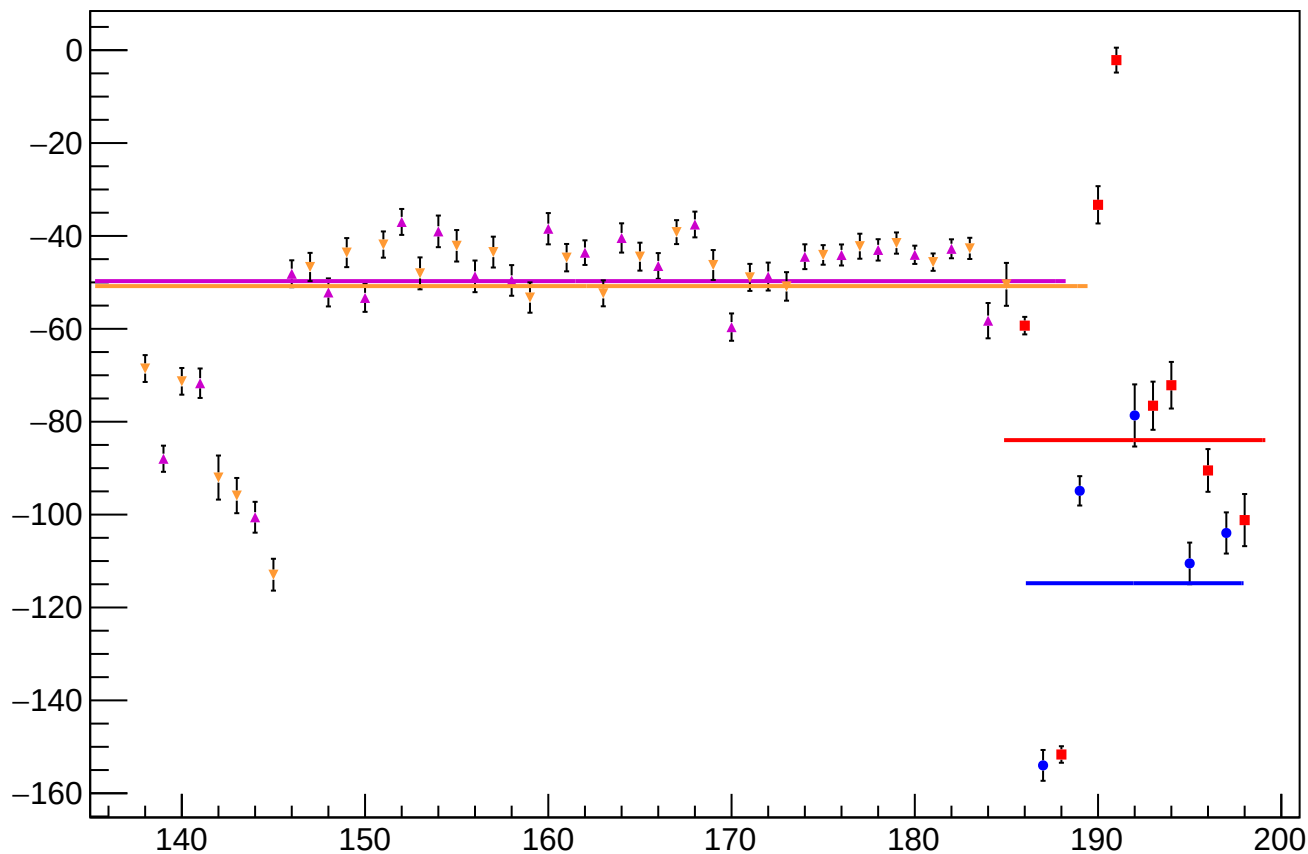
Right: -223.493 ± 0.083 $\chi^2/\text{NDF}: 301586.0/47$

In: -254.152 ± 0.069 $\chi^2/\text{NDF}: 516836.1/44$

Out: -245.292 ± 0.066 $\chi^2/\text{NDF}: 865430.1/50$

All: -249.536 ± 0.048 $\chi^2/\text{NDF}: 1390858.3/95$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -114.775 ± 1.784 χ^2/NDF : 215.4/4

Left Out: -50.802 ± 0.574 χ^2/NDF : 752.7/24

Right Out: -83.965 ± 1.024 χ^2/NDF : 2727.2/7

Left In: -49.728 ± 0.581 χ^2/NDF : 601.0/22

Left: -50.272 ± 0.408 χ^2/NDF : 1355.3/47

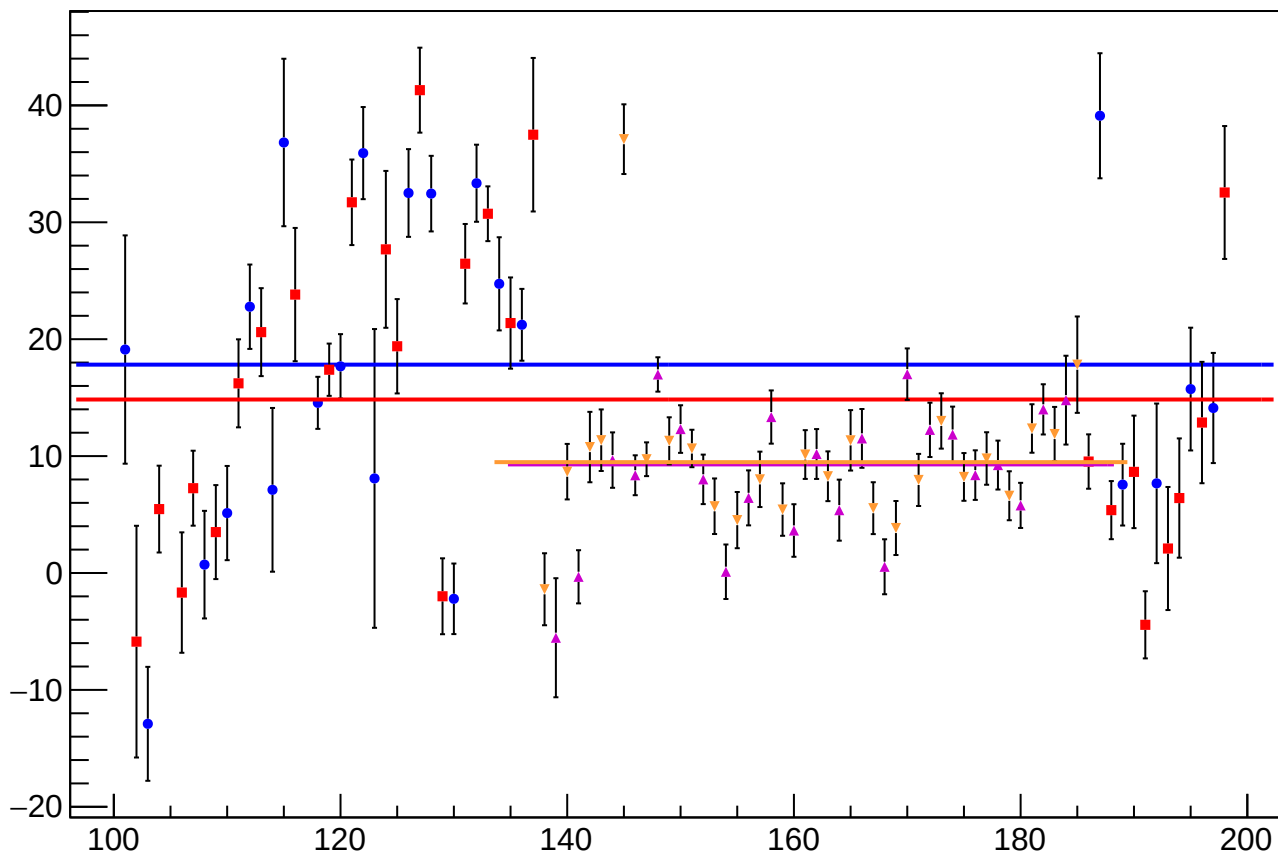
Right: -91.596 ± 0.888 χ^2/NDF : 3166.9/12

In: -55.972 ± 0.553 χ^2/NDF : 2017.6/27

Out: -58.729 ± 0.501 χ^2/NDF : 4278.2/32

All: -57.487 ± 0.371 χ^2/NDF : 6309.5/60

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.823 ± 0.834 χ^2/NDF : 232.3/21

Left Out: 9.483 ± 0.447 χ^2/NDF : 133.0/24

Right Out: 14.841 ± 0.709 χ^2/NDF : 304.1/25

Left In: 9.289 ± 0.461 χ^2/NDF : 125.6/22

Left: 9.389 ± 0.321 χ^2/NDF : 258.8/47

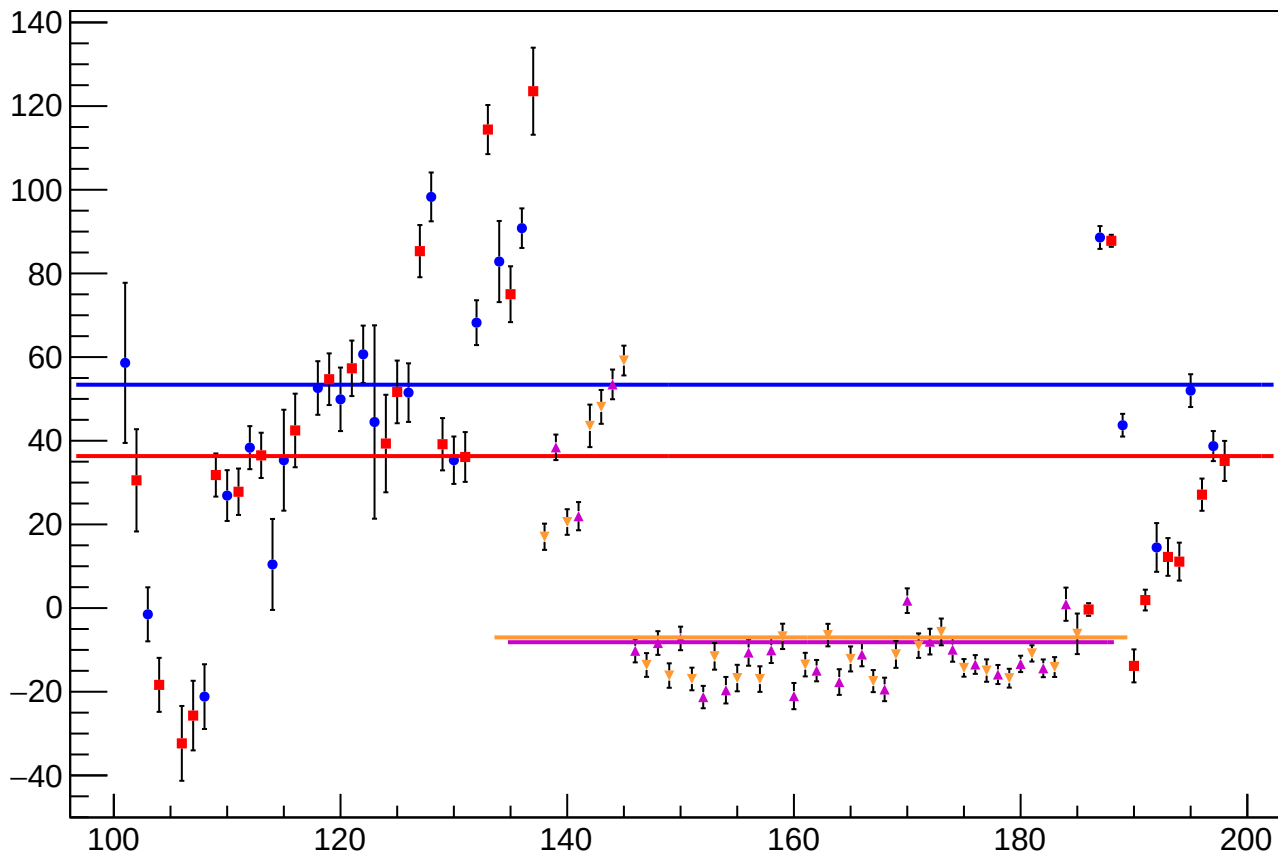
Right: 16.092 ± 0.540 χ^2/NDF : 543.8/47

In: 11.285 ± 0.403 χ^2/NDF : 438.2/44

Out: 11.008 ± 0.378 χ^2/NDF : 478.1/50

All: 11.137 ± 0.276 χ^2/NDF : 916.5/95

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 53.396 ± 1.117 $\chi^2/\text{NDF}: 601.7/21$

Left Out: -7.007 ± 0.572 $\chi^2/\text{NDF}: 899.2/24$

Right Out: 36.336 ± 0.756 $\chi^2/\text{NDF}: 2849.3/25$

Left In: -8.158 ± 0.578 $\chi^2/\text{NDF}: 753.9/22$

Left: -7.577 ± 0.406 $\chi^2/\text{NDF}: 1655.2/47$

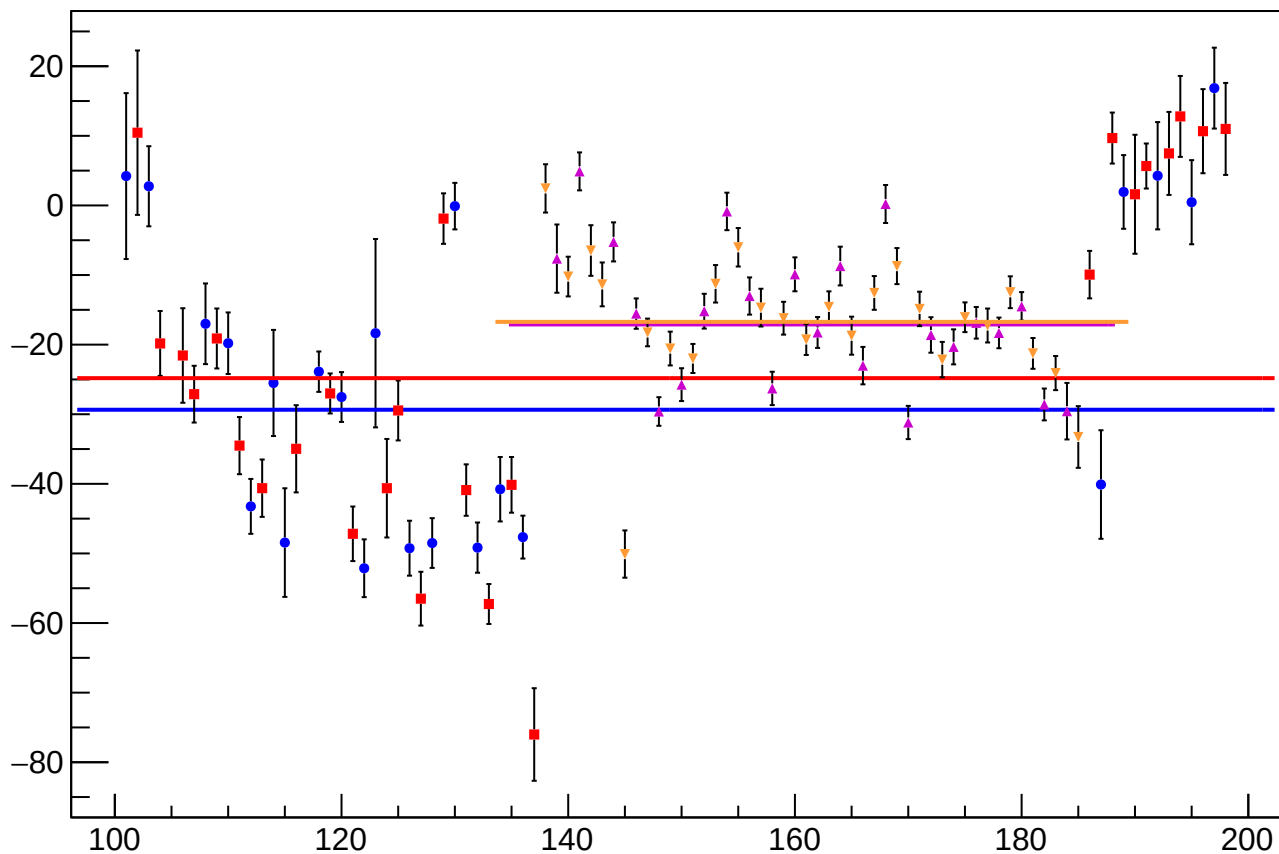
Right: 41.698 ± 0.626 $\chi^2/\text{NDF}: 3610.9/47$

In: 4.830 ± 0.513 $\chi^2/\text{NDF}: 3751.3/44$

Out: 8.762 ± 0.456 $\chi^2/\text{NDF}: 5838.0/50$

All: 7.026 ± 0.341 $\chi^2/\text{NDF}: 9622.1/95$

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -29.354 ± 0.970 χ^2/NDF : 447.1/21

Left Out: -16.727 ± 0.508 χ^2/NDF : 223.3/24

Right Out: -24.815 ± 0.847 χ^2/NDF : 743.3/25

Left In: -17.100 ± 0.520 χ^2/NDF : 328.1/22

Left: -16.909 ± 0.363 χ^2/NDF : 551.7/47

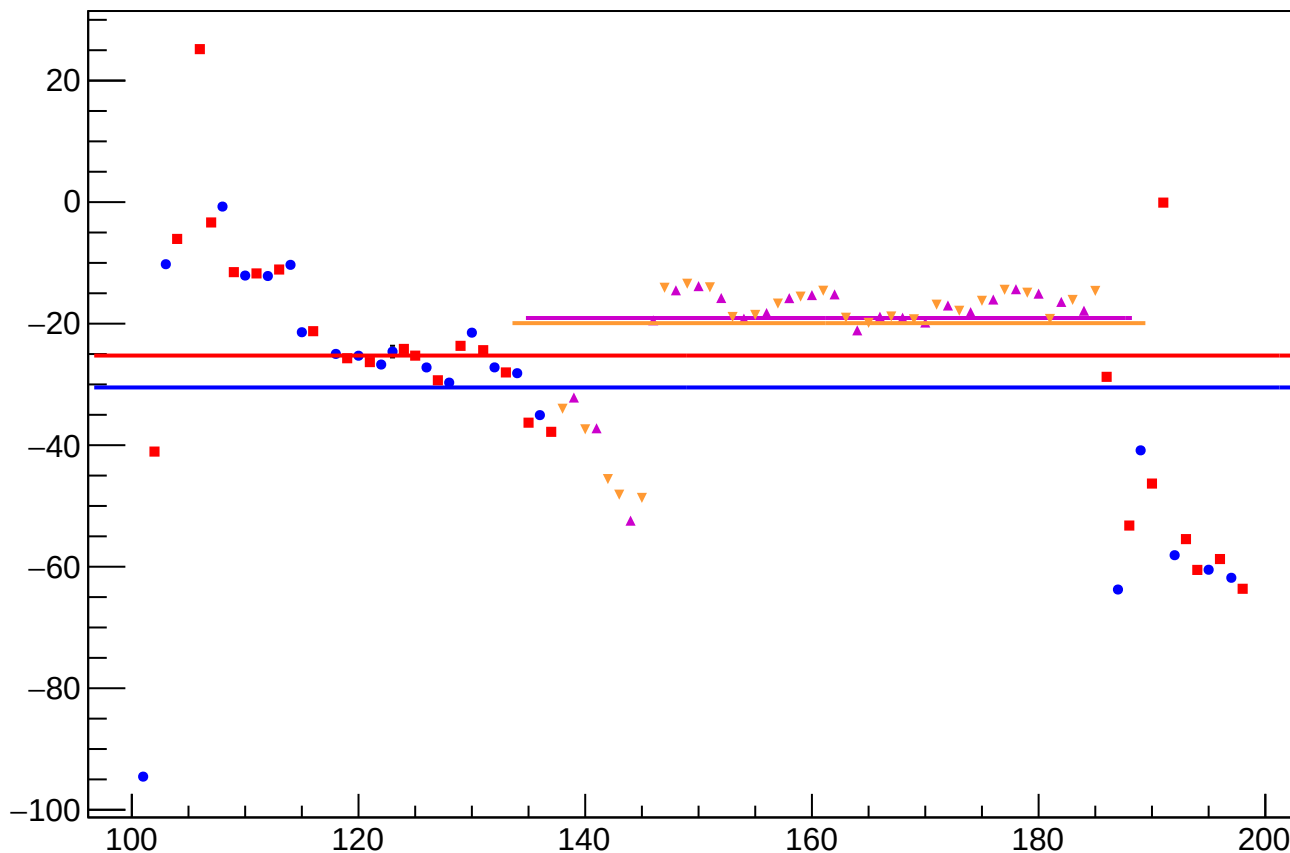
Right: -26.780 ± 0.638 χ^2/NDF : 1202.8/47

In: -19.840 ± 0.459 χ^2/NDF : 899.0/44

Out: -18.864 ± 0.436 χ^2/NDF : 1033.7/50

All: -19.327 ± 0.316 χ^2/NDF : 1935.1/95

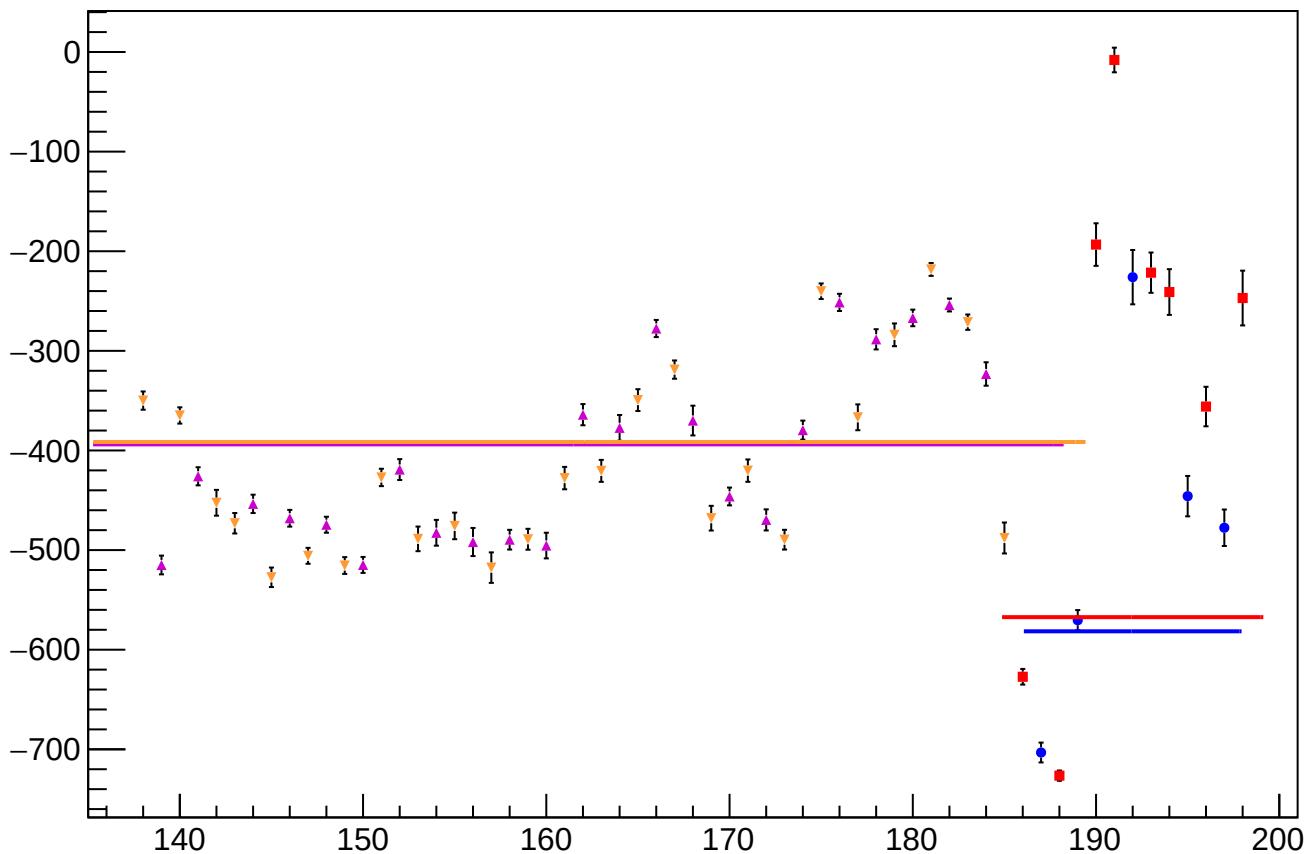
reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -30.499 ± 0.051 $\chi^2/\text{NDF}: 147476.7/21$
 Left Out: -19.915 ± 0.023 $\chi^2/\text{NDF}: 141090.6/24$
 Right Out: -25.249 ± 0.040 $\chi^2/\text{NDF}: 343529.5/25$
 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: -27.296 ± 0.032 $\chi^2/\text{NDF}: 497585.9/47$
 In: -21.110 ± 0.021 $\chi^2/\text{NDF}: 282176.6/44$
 Out: -21.248 ± 0.020 $\chi^2/\text{NDF}: 497679.3/50$
 All: -21.183 ± 0.015 $\chi^2/\text{NDF}: 779878.1/95$

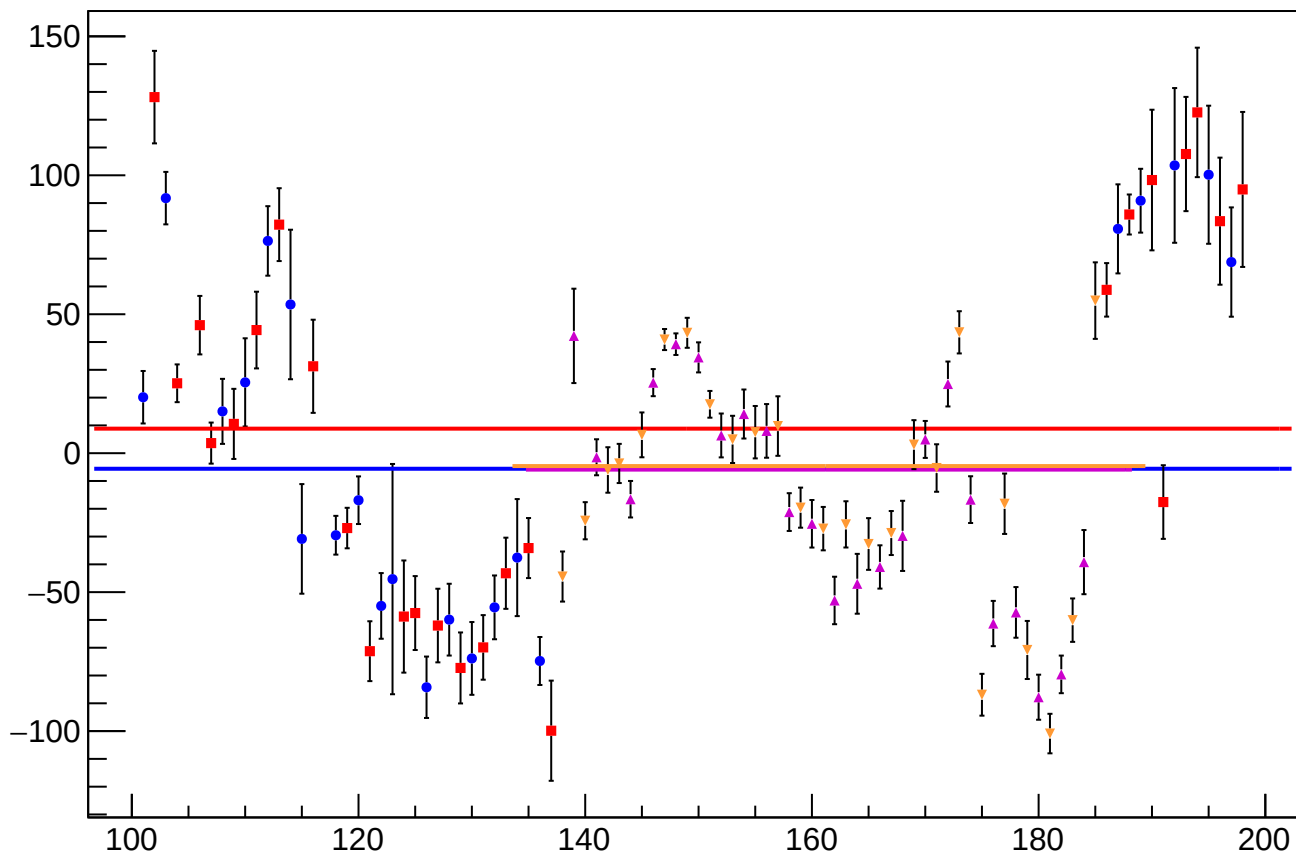
reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -581.533+/-6.143 χ^2/NDF : 397.1/4
 Left Out: -391.476+/-1.973 χ^2/NDF : 2708.6/24
 Right Out: -567.315+/-3.769 χ^2/NDF : 4097.4/7
 Left In: -393.904+/-1.998 χ^2/NDF : 2280.8/22

Left: -392.674+/-1.404 χ^2/NDF : 4990.1/47
 Right: -571.203+/-3.212 χ^2/NDF : 4498.4/12
 In: -411.852+/-1.900 χ^2/NDF : 3521.6/27
 Out: -429.287+/-1.748 χ^2/NDF : 8514.9/32
 All: -421.296+/-1.286 χ^2/NDF : 12082.1/60

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.601 ± 2.615 $\chi^2/\text{NDF}: 530.4/21$

Left Out: -4.635 ± 1.467 $\chi^2/\text{NDF}: 771.4/24$

Right Out: 8.832 ± 2.289 $\chi^2/\text{NDF}: 639.2/25$

Left In: -5.906 ± 1.513 $\chi^2/\text{NDF}: 657.5/22$

Left: -5.251 ± 1.053 $\chi^2/\text{NDF}: 1429.3/47$

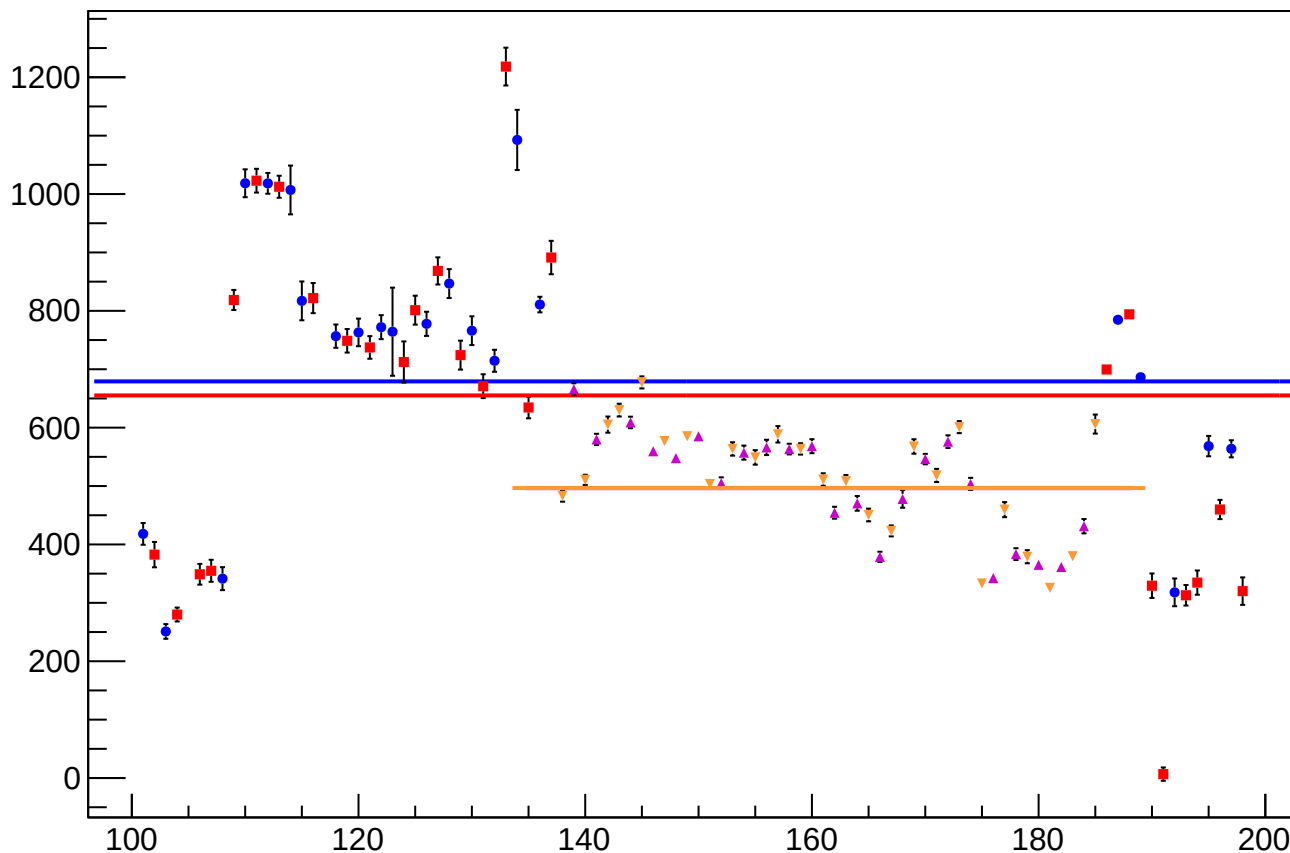
Right: 2.570 ± 1.723 $\chi^2/\text{NDF}: 1186.8/47$

In: -5.829 ± 1.310 $\chi^2/\text{NDF}: 1187.9/44$

Out: -0.713 ± 1.235 $\chi^2/\text{NDF}: 1435.1/50$

All: -3.122 ± 0.899 $\chi^2/\text{NDF}: 2631.1/95$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 679.178+/-3.580 χ^2/NDF : 3088.1/21

Left Out: 496.535+/-1.971 χ^2/NDF :2589.1/24

Right Out: 655.175+/-2.599 χ^2/NDF : 8637.6/25

Left In: 496.393+/-1.985 χ^2/NDF :2295.8/22

Left: 496.465+/-1.399 χ^2/NDF : 4884.9/47

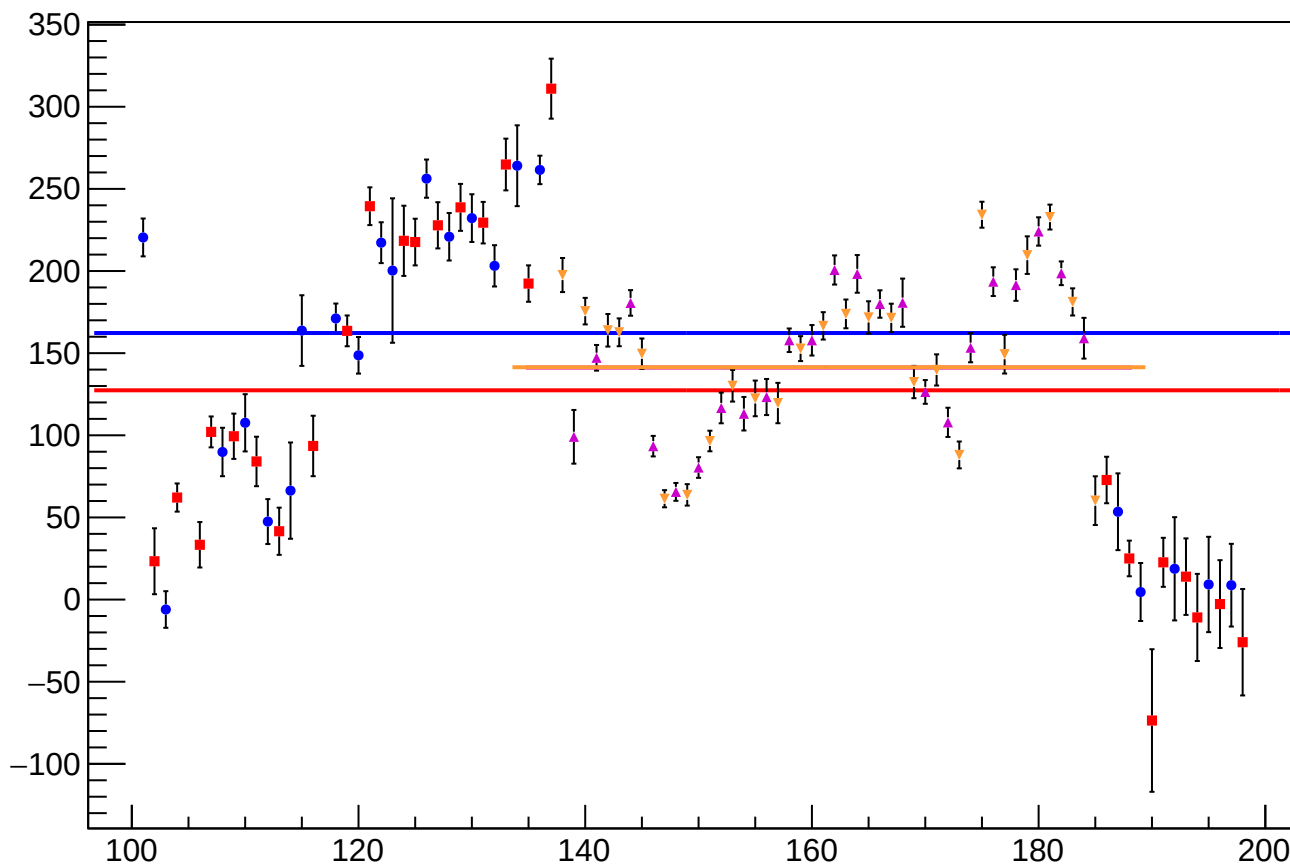
Right: 663.458+/-2.103 χ^2/NDF : 11755.2/47

In: 539.388+/-1.736 χ^2/NDF :7377.5/44

Out: 554.473+/-1.570 χ^2/NDF :13592.3/50

All: 547.685+/-1.165 χ^2/NDF : 21011.4/95

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 162.264 $\pm$ 3.067 χ^2 /NDF: 842.5/21

Left Out: 141.430 $\pm$ 1.704 χ^2 /NDF:957.7/24

Right Out: 127.388 $\pm$ 2.755 χ^2 /NDF: 1018.5/25

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

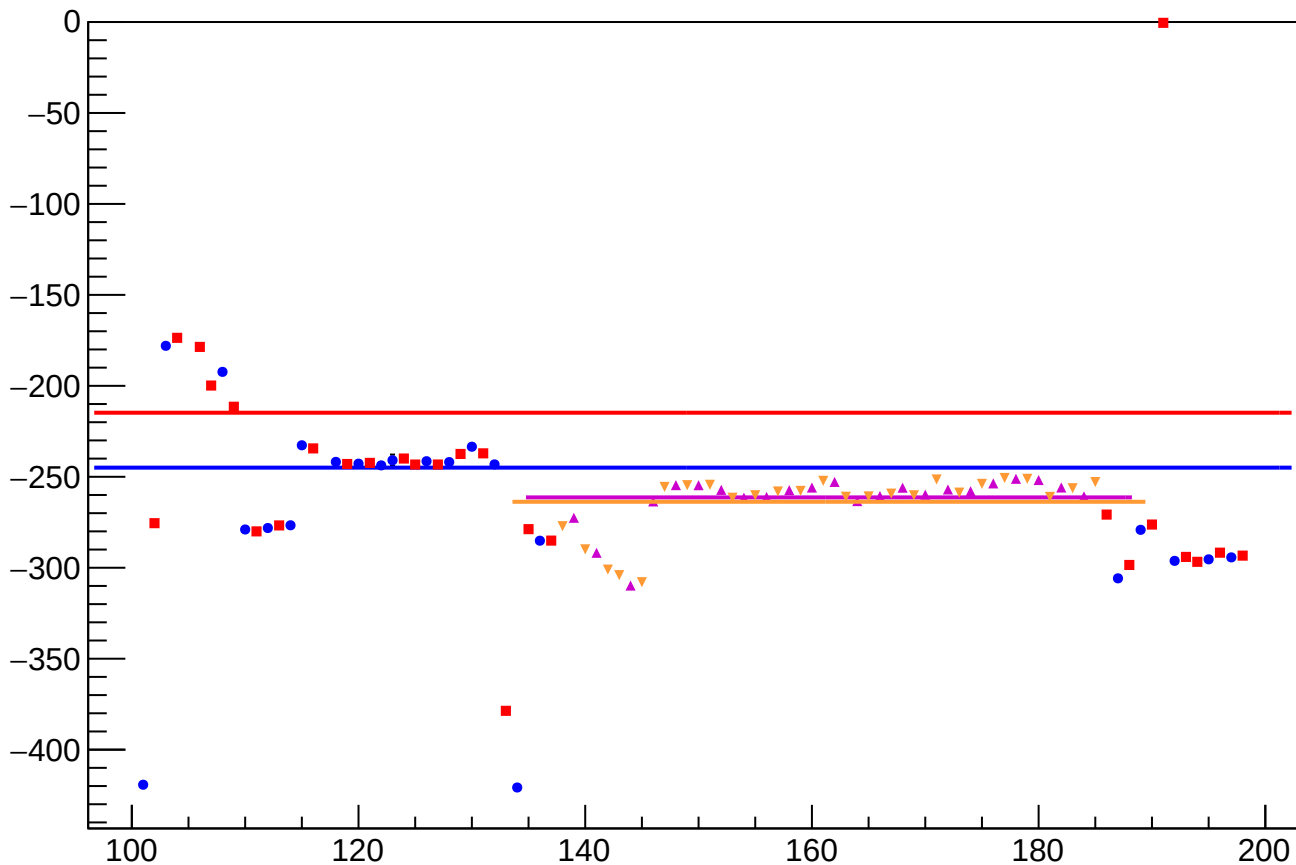
Right: 142.965 $\pm$ 2.050 χ^2 /NDF: 1932.5/47

In: 146.382 $\pm$ 1.516 χ^2 /NDF:1622.1/44

Out: 137.545 $\pm$ 1.449 χ^2 /NDF:1995.0/50

All: 141.765 $\pm$ 1.048 χ^2 /NDF: 3634.9/95

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -244.970+/-0.150 χ^2/NDF : 181670.4/21

Left Out: -263.734+/-0.081 χ^2/NDF : 37922.0/24

Right Out: -214.779+/-0.129 χ^2/NDF : 439940.6/25

Left In: -261.325+/-0.082 χ^2/NDF : 23449.2/22

Left: -262.533+/-0.058 χ^2/NDF : 61807.4/47

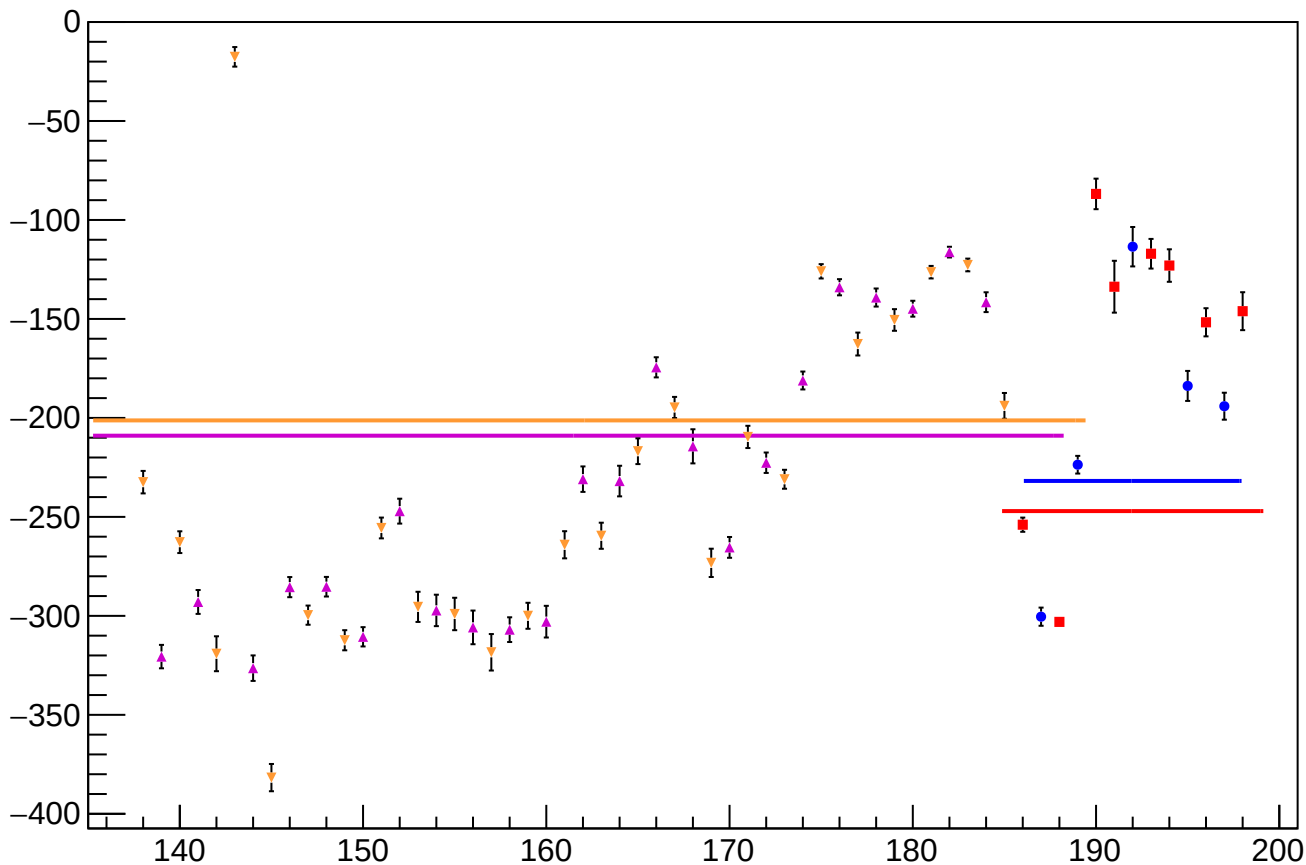
Right: -227.666+/-0.098 χ^2/NDF : 644953.3/47

In: -257.572+/-0.072 χ^2/NDF : 214327.8/44

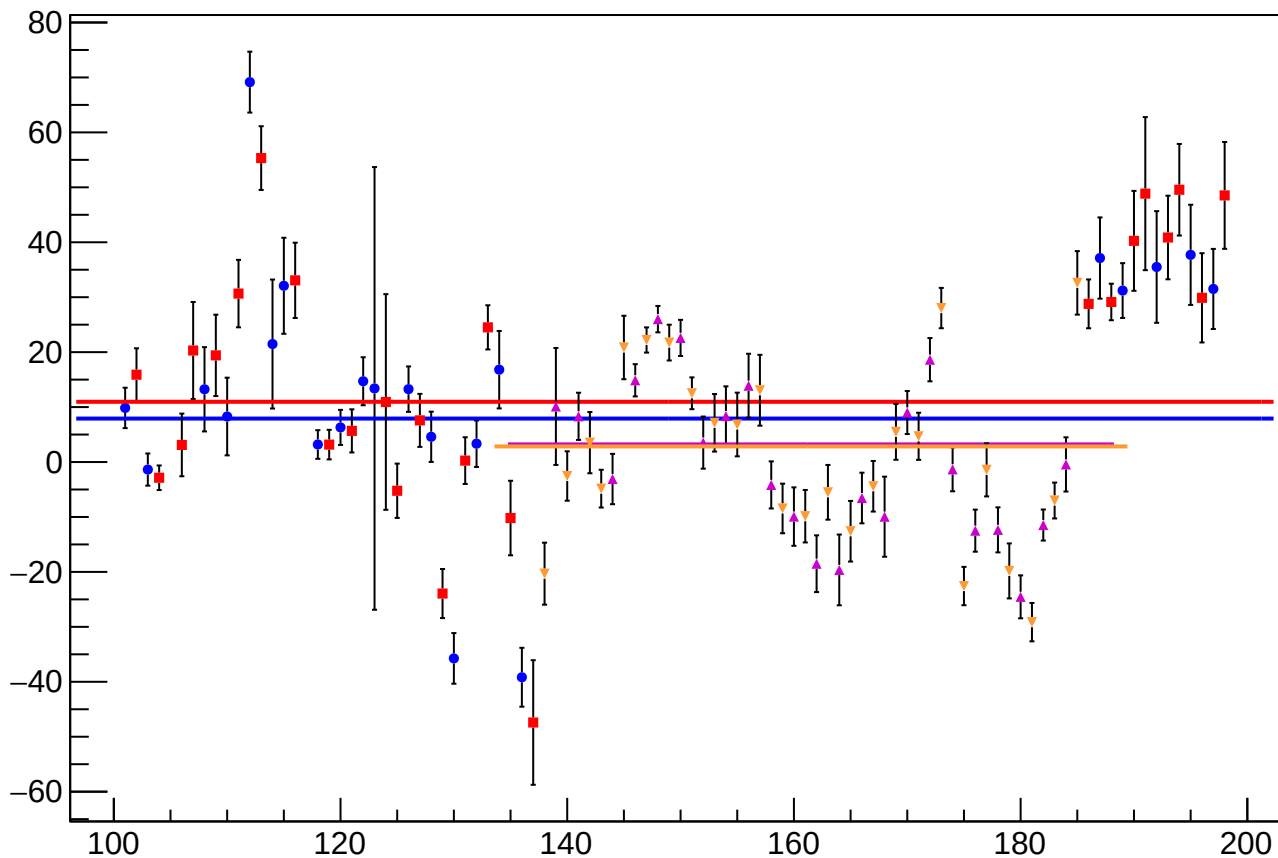
Out: -249.793+/-0.069 χ^2/NDF : 580696.3/50

All: -253.529+/-0.050 χ^2/NDF : 801147.2/95

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.910 ± 1.030 $\chi^2/\text{NDF}: 385.6/21$

Left Out: 2.841 ± 0.824 $\chi^2/\text{NDF}: 420.6/24$

Right Out: 10.965 ± 0.960 $\chi^2/\text{NDF}: 380.2/25$

Left In: 3.208 ± 0.854 $\chi^2/\text{NDF}: 323.8/22$

Left: 3.018 ± 0.593 $\chi^2/\text{NDF}: 744.6/47$

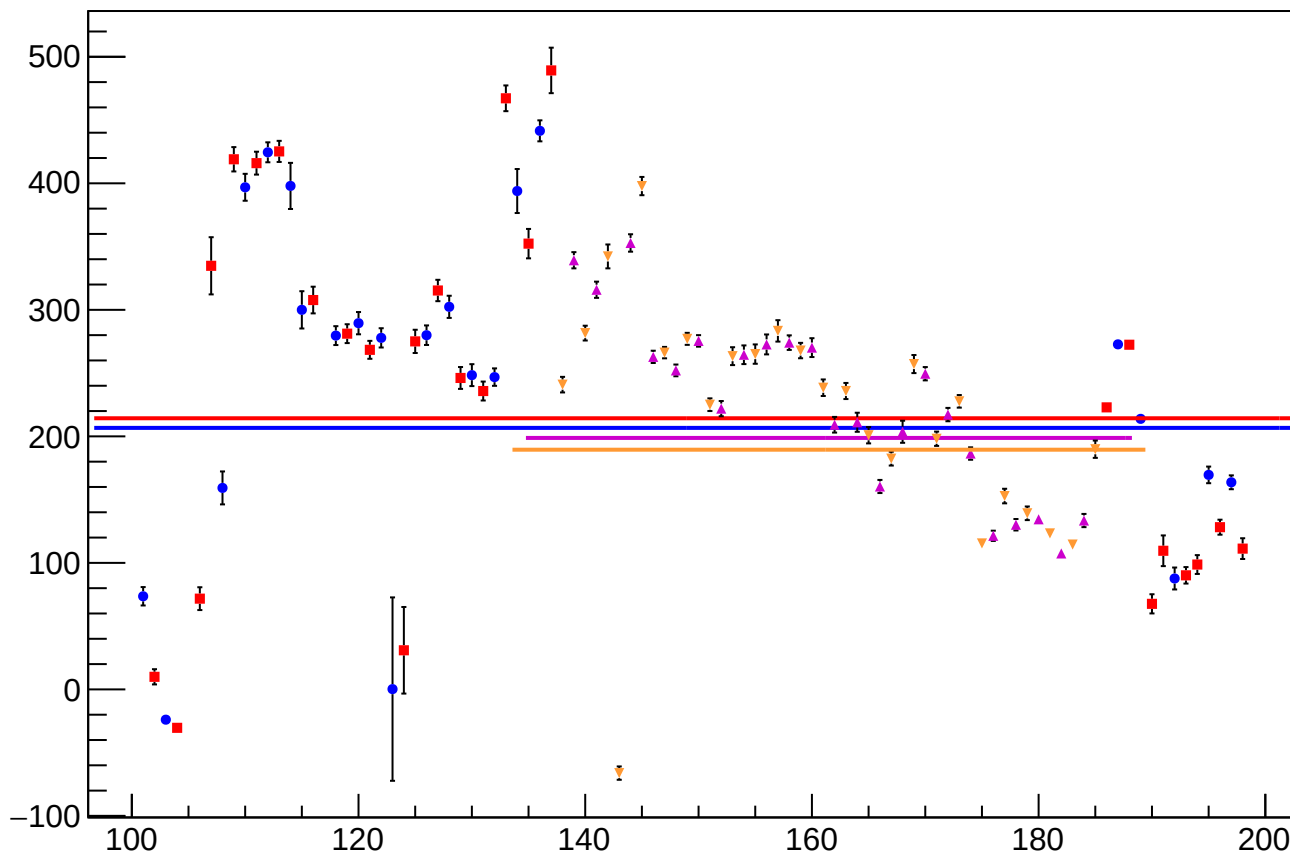
Right: 9.545 ± 0.702 $\chi^2/\text{NDF}: 770.5/47$

In: 5.124 ± 0.658 $\chi^2/\text{NDF}: 721.8/44$

Out: 6.286 ± 0.625 $\chi^2/\text{NDF}: 842.0/50$

All: 5.734 ± 0.453 $\chi^2/\text{NDF}: 1565.4/95$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 206.699 $\pm$ 1.463 χ^2 /NDF: 7352.5/21

Left Out: 189.453 $\pm$ 1.070 χ^2 /NDF:6649.7/24

Right Out: 214.304 $\pm$ 1.137 χ^2 /NDF: 10624.2/25

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

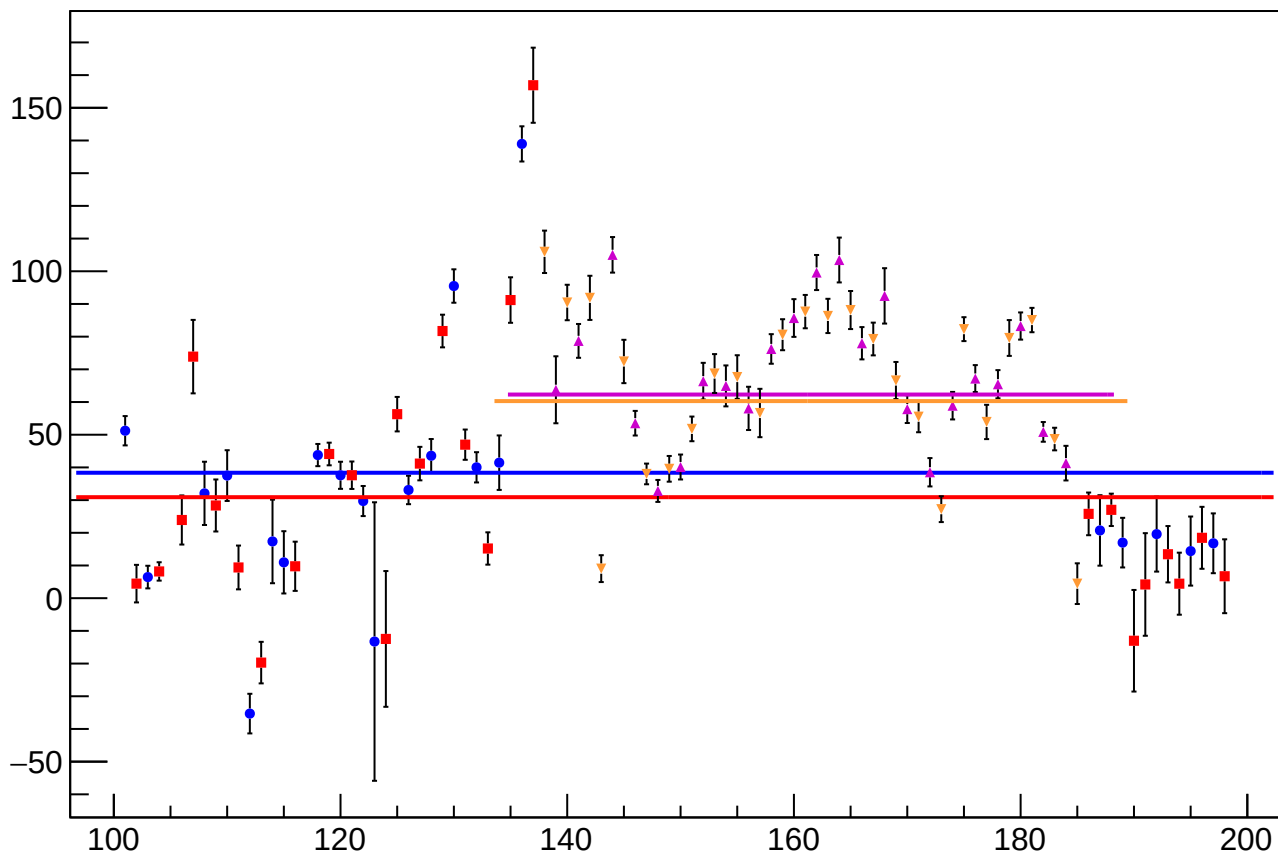
Right: 211.439 $\pm$ 0.898 χ^2 /NDF: 17993.6/47

In: 201.554 $\pm$ 0.868 χ^2 /NDF:11961.6/44

Out: 201.119 $\pm$ 0.779 χ^2 /NDF:17527.3/50

All: 201.313 $\pm$ 0.580 χ^2 /NDF: 29489.0/95

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.368 ± 1.215 $\chi^2/\text{NDF}: 761.0/21$

Left Out: 60.287 ± 0.945 $\chi^2/\text{NDF}: 714.8/24$

Right Out: 30.894 ± 1.154 $\chi^2/\text{NDF}: 583.7/25$

Left In: 62.290 ± 0.971 $\chi^2/\text{NDF}: 411.6/22$

Left: 61.261 ± 0.677 $\chi^2/\text{NDF}: 1128.6/47$

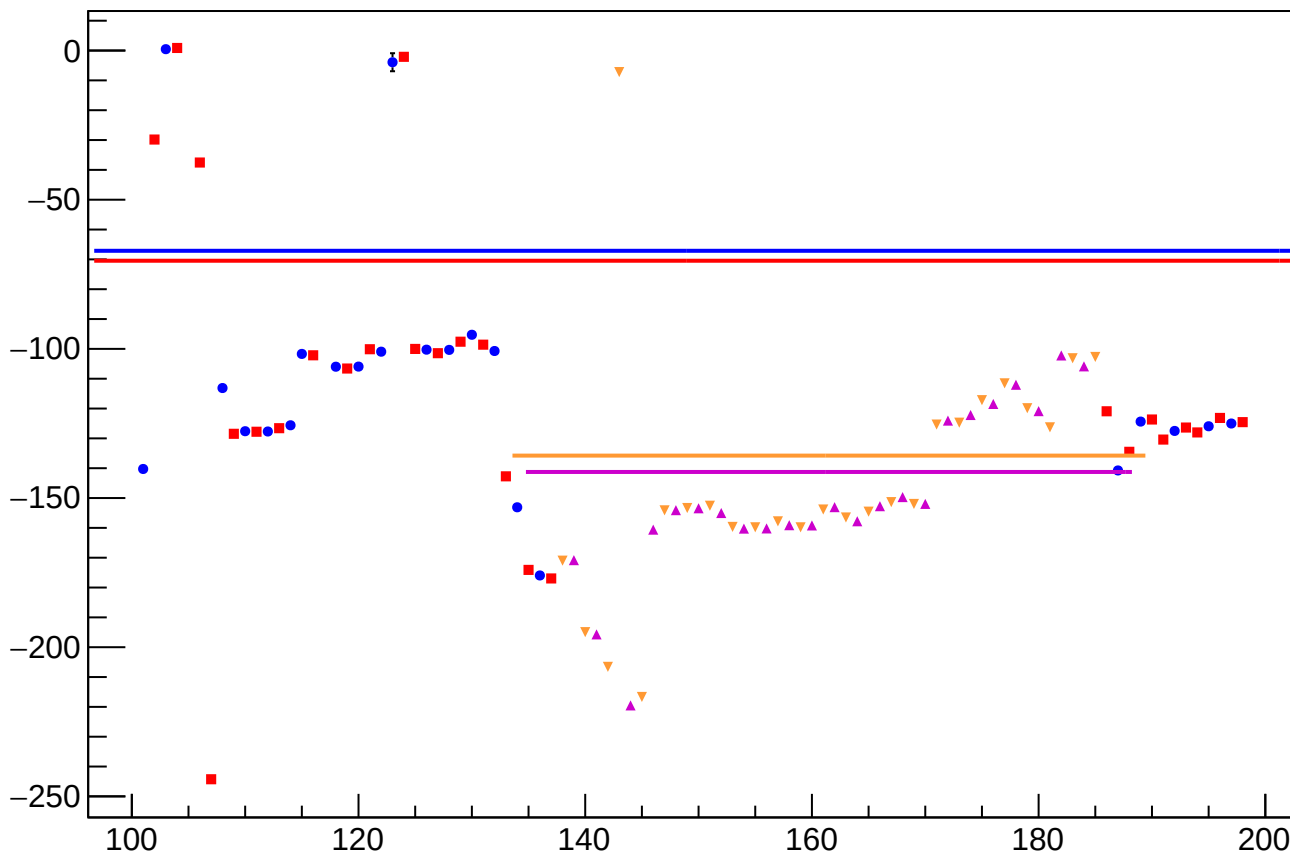
Right: 34.436 ± 0.837 $\chi^2/\text{NDF}: 1364.6/47$

In: 52.968 ± 0.759 $\chi^2/\text{NDF}: 1409.1/44$

Out: 48.483 ± 0.731 $\chi^2/\text{NDF}: 1687.0/50$

All: 50.642 ± 0.526 $\chi^2/\text{NDF}: 3114.2/95$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -67.124 $\pm$ 0.057 χ^2 /NDF: 1268128.9/21

Left Out: -135.775 $\pm$ 0.045 χ^2 /NDF: 742021.1/24

Right Out: -70.456 $\pm$ 0.053 χ^2 /NDF: 1315707.0/25

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

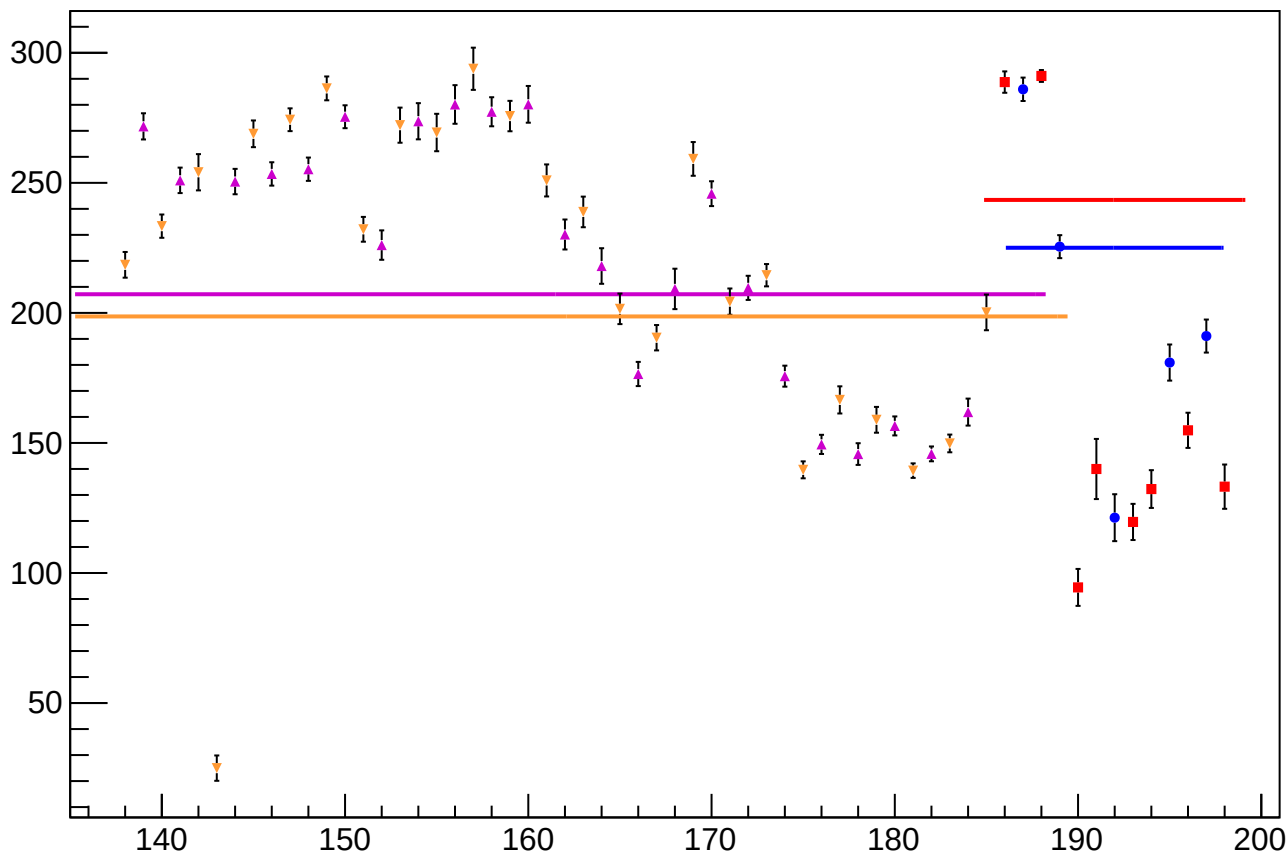
Right: -68.911 $\pm$ 0.039 χ^2 /NDF: 2585643.2/47

In: -112.956 $\pm$ 0.035 χ^2 /NDF: 2649456.2/44

Out: -108.866 $\pm$ 0.034 χ^2 /NDF: 2938517.0/50

All: -110.840 $\pm$ 0.025 χ^2 /NDF: 5594855.1/95

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Left: 202.817 $\pm$ 0.690 χ^2/NDF : 6816.4/47

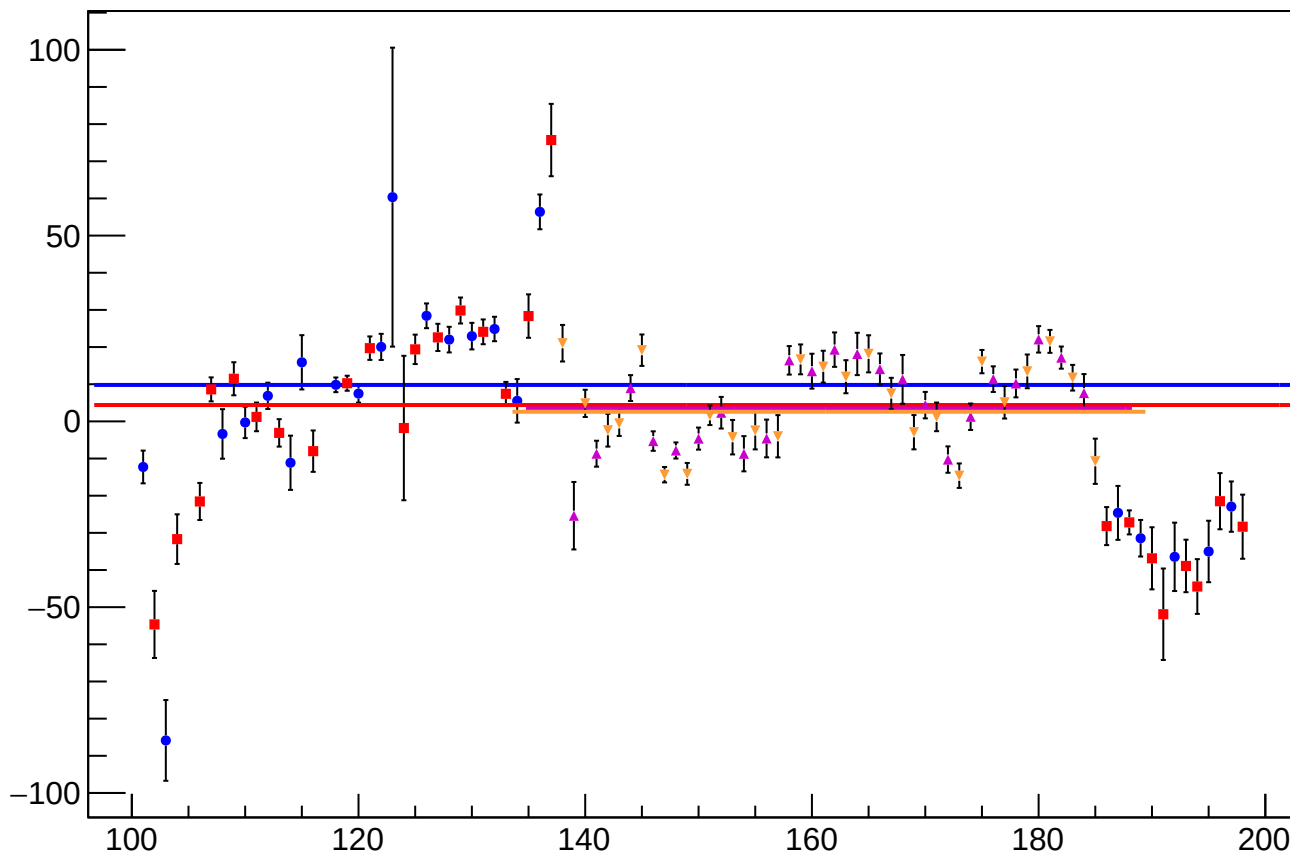
Right: 237.753 $\pm$ 1.396 χ^2/NDF : 2391.5/12

In: 209.558 $\pm$ 0.918 χ^2/NDF : 3060.2/27

Out: 209.772 $\pm$ 0.838 χ^2/NDF : 6650.7/32

All: 209.674 $\pm$ 0.619 χ^2/NDF : 9710.9/60

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.809 ± 0.880 χ^2/NDF : 481.5/21

Left Out: 2.595 ± 0.744 χ^2/NDF : 274.3/24

Right Out: 4.402 ± 0.841 χ^2/NDF : 632.1/25

Left In: 3.478 ± 0.772 χ^2/NDF : 194.7/22

Left: 3.020 ± 0.536 χ^2/NDF : 469.7/47

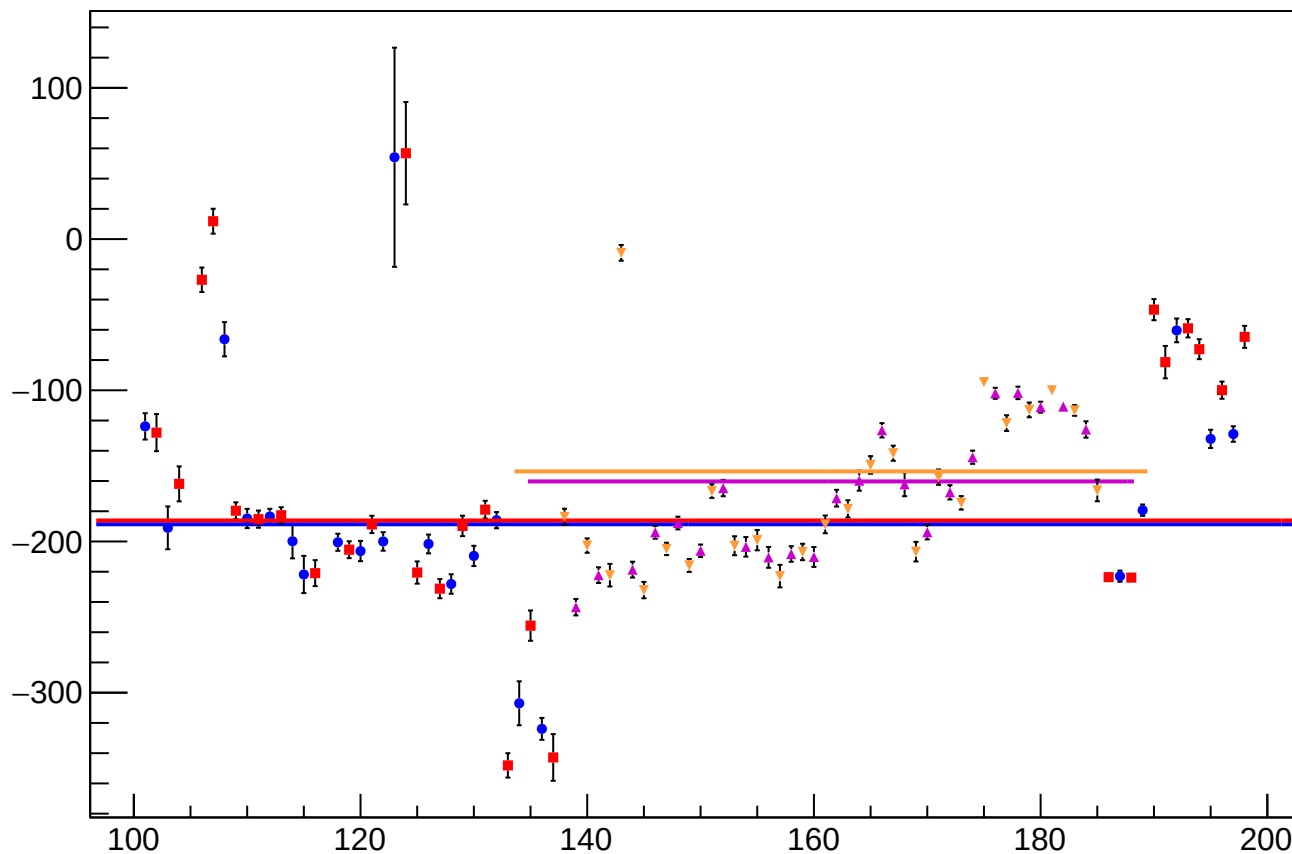
Right: 6.983 ± 0.608 χ^2/NDF : 1133.4/47

In: 6.231 ± 0.580 χ^2/NDF : 705.5/44

Out: 3.388 ± 0.557 χ^2/NDF : 909.0/50

All: 4.752 ± 0.402 χ^2/NDF : 1627.0/95

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -188.603+/-1.359 χ^2/NDF : 1256.6/21

Left Out: -153.649+/-0.970 χ^2/NDF : 2930.9/24

Right Out: -186.094+/-1.076 χ^2/NDF : 3995.7/25

Left In: -160.279+/-0.985 χ^2/NDF : 2049.4/22

Left: -156.913+/-0.691 χ^2/NDF : 5003.3/47

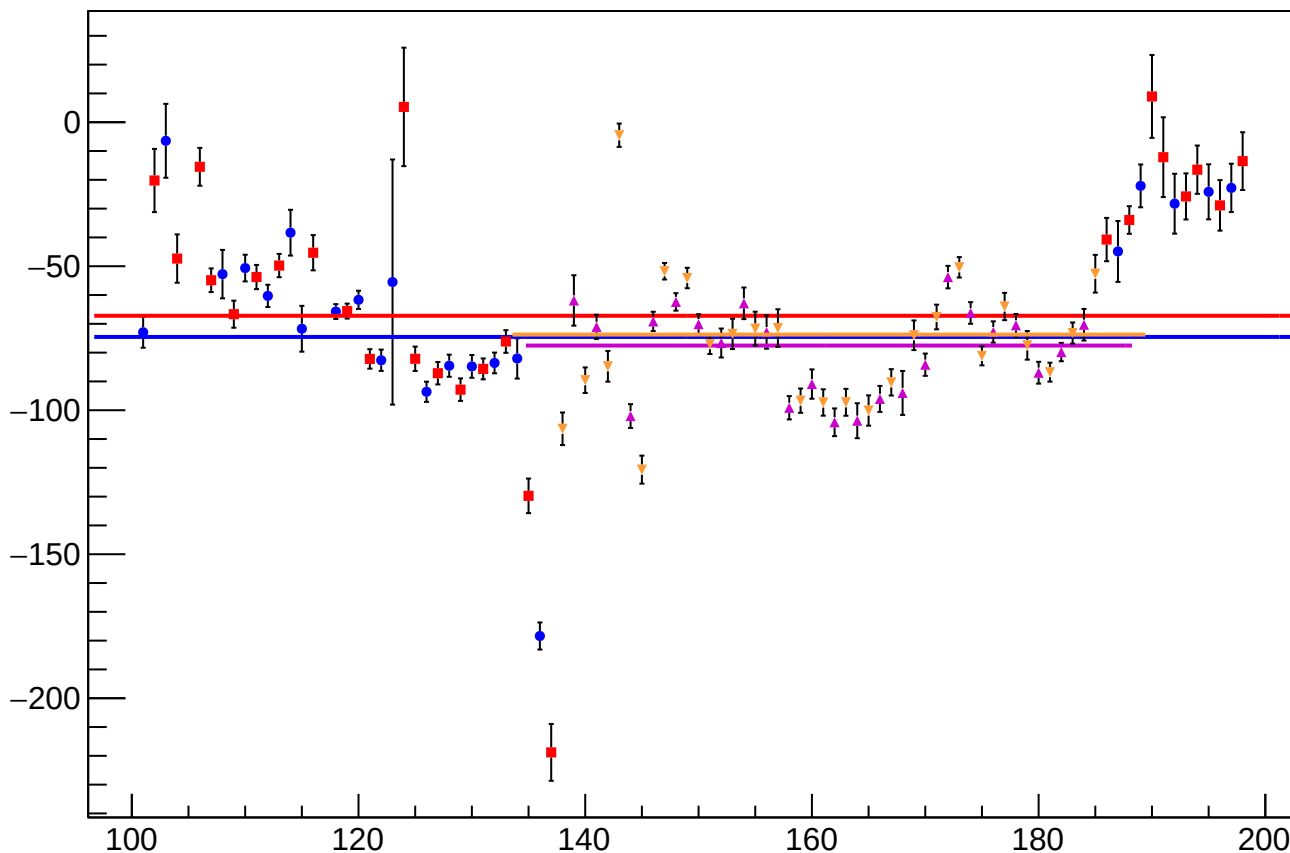
Right: -187.061+/-0.844 χ^2/NDF : 5254.4/47

In: -170.033+/-0.798 χ^2/NDF : 3590.9/44

Out: -168.185+/-0.721 χ^2/NDF : 7428.0/50

All: -169.016+/-0.535 χ^2/NDF : 11021.8/95

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -74.552 ± 1.030 χ^2/NDF : 811.1/21

Left Out: -73.741 ± 0.855 χ^2/NDF : 728.3/24

Right Out: -67.205 ± 0.989 χ^2/NDF : 841.9/25

Left In: -77.545 ± 0.880 χ^2/NDF : 252.7/22

Left: -75.587 ± 0.613 χ^2/NDF : 990.6/47

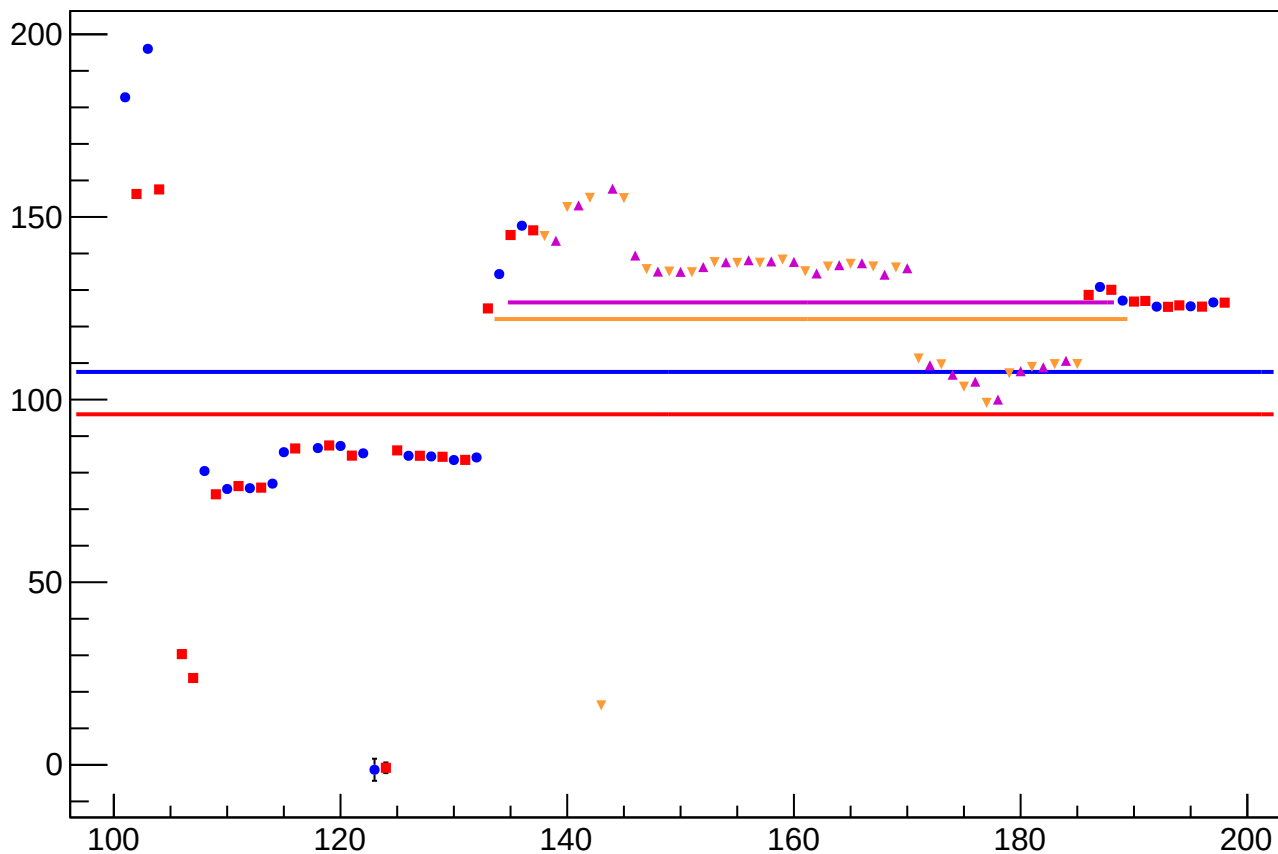
Right: -70.727 ± 0.713 χ^2/NDF : 1679.5/47

In: -76.283 ± 0.669 χ^2/NDF : 1068.8/44

Out: -70.946 ± 0.647 χ^2/NDF : 1595.2/50

All: -73.523 ± 0.465 χ^2/NDF : 2696.8/95

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 107.575 $\pm$ 0.063 χ^2 /NDF: 294306.2/21

Left Out: 122.046 $\pm$ 0.040 χ^2 /NDF: 437985.3/24

Right Out: 95.975 $\pm$ 0.055 χ^2 /NDF: 529855.6/25

Left In: 126.605 $\pm$ 0.041 χ^2 /NDF: 164757.9/22

Left: 124.300 $\pm$ 0.029 χ^2 /NDF: 609027.6/47

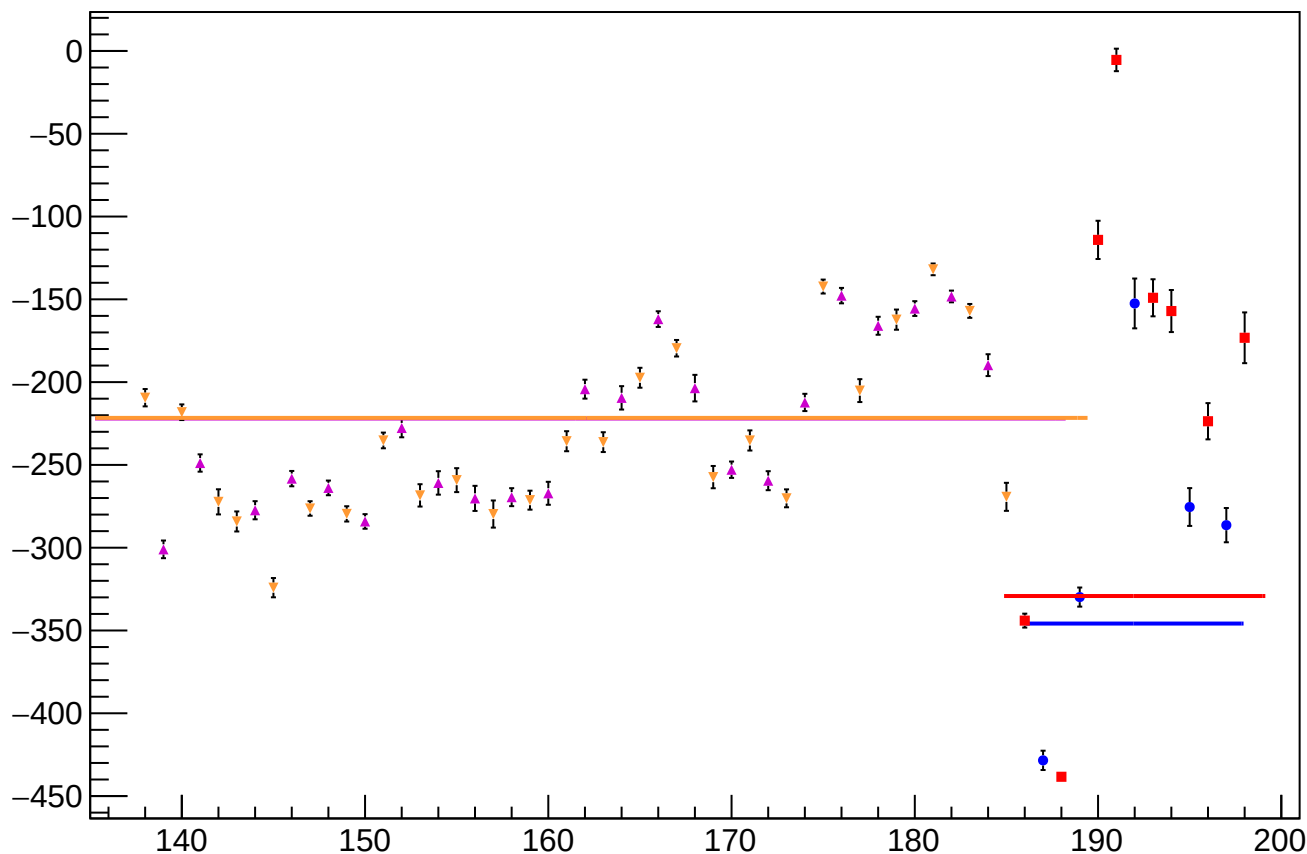
Right: 100.921 $\pm$ 0.041 χ^2 /NDF: 843388.0/47

In: 121.009 $\pm$ 0.034 χ^2 /NDF: 522746.4/44

Out: 112.819 $\pm$ 0.032 χ^2 /NDF: 1115000.2/50

All: 116.687 $\pm$ 0.024 χ^2 /NDF: 1667739.6/95

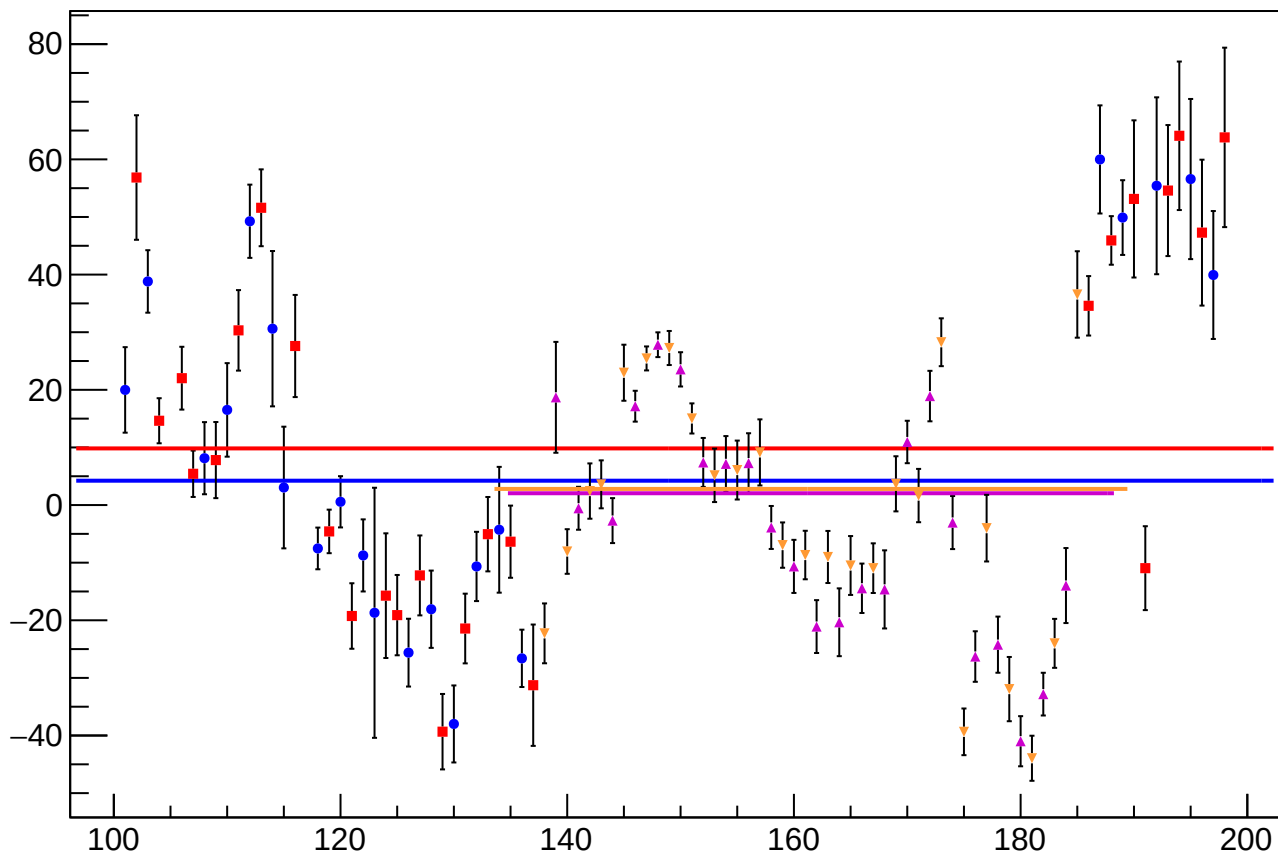
reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -345.813 ± 3.517 $\chi^2/\text{NDF}: 444.5/4$
 Left Out: -221.606 ± 1.087 $\chi^2/\text{NDF}: 2565.8/24$
 Right Out: -329.182 ± 2.128 $\chi^2/\text{NDF}: 4559.8/7$
 Left In: -221.980 ± 1.098 $\chi^2/\text{NDF}: 2190.6/22$

Left: -221.791 ± 0.773 $\chi^2/\text{NDF}: 4756.5/47$
 Right: -333.638 ± 1.820 $\chi^2/\text{NDF}: 5020.6/12$
 In: -232.982 ± 1.048 $\chi^2/\text{NDF}: 3764.9/27$
 Out: -243.882 ± 0.968 $\chi^2/\text{NDF}: 9152.7/32$
 All: -238.864 ± 0.711 $\chi^2/\text{NDF}: 12976.0/60$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.227+/-1.430 χ^2/NDF : 361.0/21

Left Out: 2.800+/-0.810 χ^2/NDF : 685.5/24

Right Out: 9.831+/-1.240 χ^2/NDF : 431.0/25

Left In: 2.050+/-0.833 χ^2/NDF : 592.6/22

Left: 2.436+/-0.581 χ^2/NDF : 1278.5/47

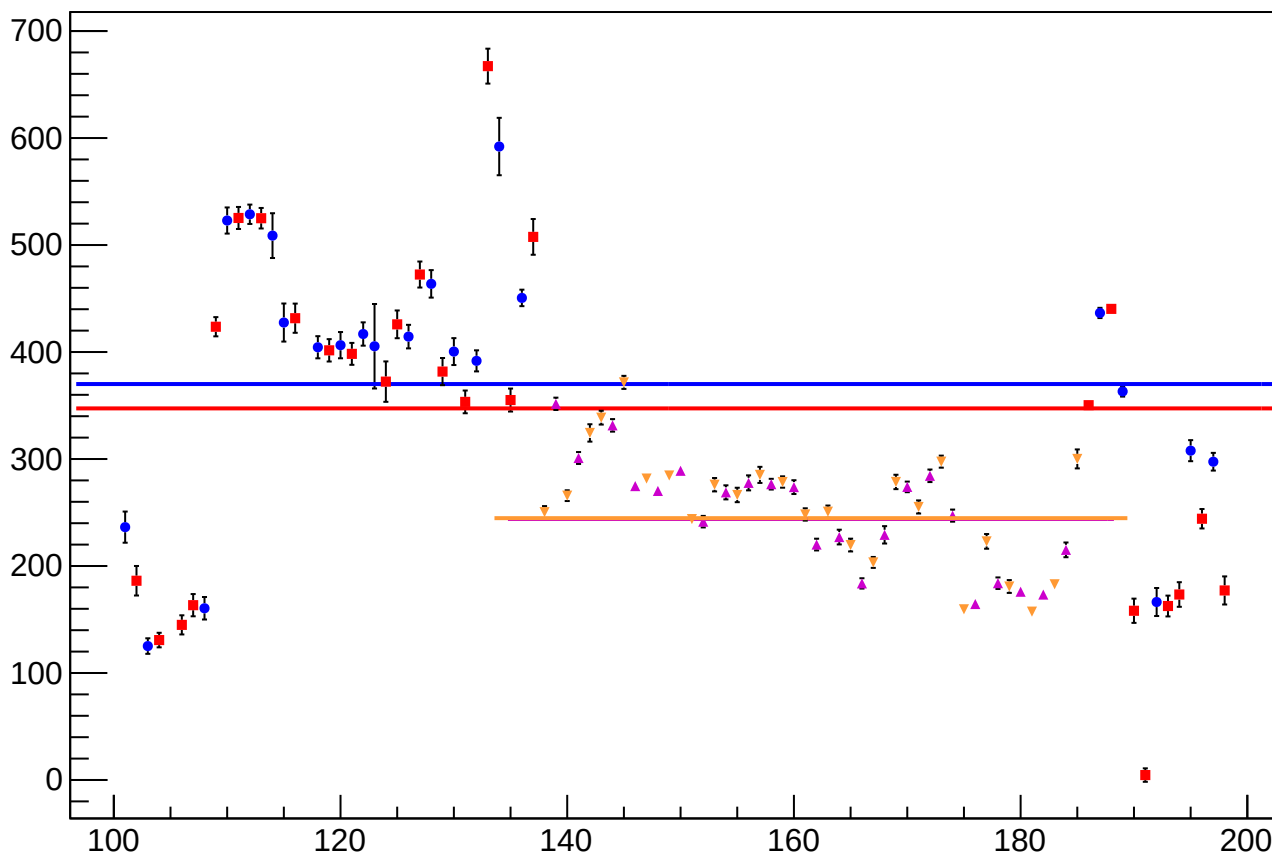
Right: 7.424+/-0.937 χ^2/NDF : 800.7/47

In: 2.602+/-0.720 χ^2/NDF : 955.3/44

Out: 4.900+/-0.678 χ^2/NDF : 1139.1/50

All: 3.820+/-0.493 χ^2/NDF : 2099.8/95

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 370.067 $\pm$ 2.007 χ^2 /NDF: 2987.2/21

Left Out: 244.716 $\pm$ 1.085 χ^2 /NDF:2565.7/24

Right Out: 347.302 $\pm$ 1.447 χ^2 /NDF: 8989.6/25

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

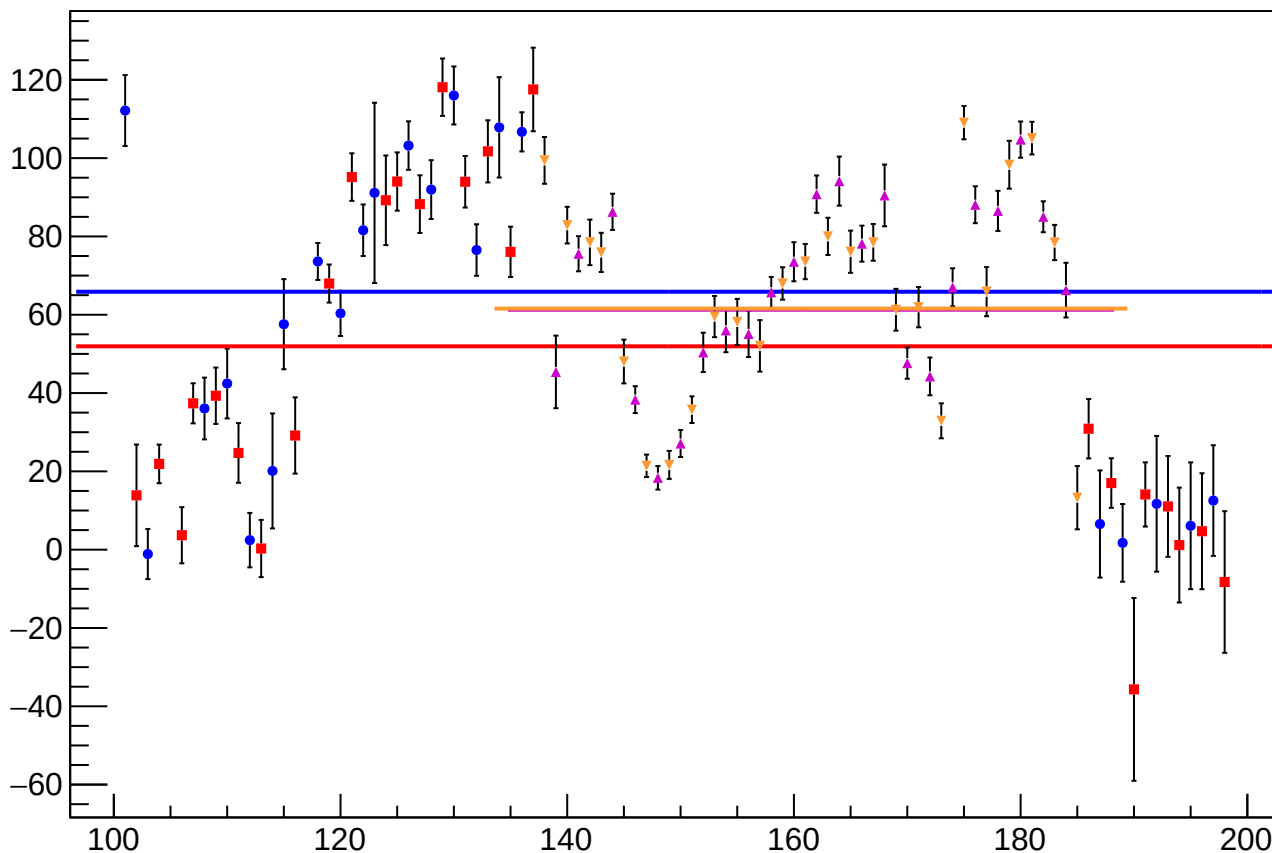
Right: 355.087 $\pm$ 1.173 χ^2 /NDF: 12061.4/47

In: 272.674 $\pm$ 0.958 χ^2 /NDF:8332.9/44

Out: 281.628 $\pm$ 0.868 χ^2 /NDF:14774.7/50

All: 277.592 $\pm$ 0.643 χ^2 /NDF: 23155.5/95

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 65.874 $\pm$ 1.674 χ^2 /NDF: 533.4/21

Left Out: 61.575 $\pm$ 0.939 χ^2 /NDF:870.3/24

Right Out: 51.936 $\pm$ 1.487 χ^2 /NDF: 629.2/25

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

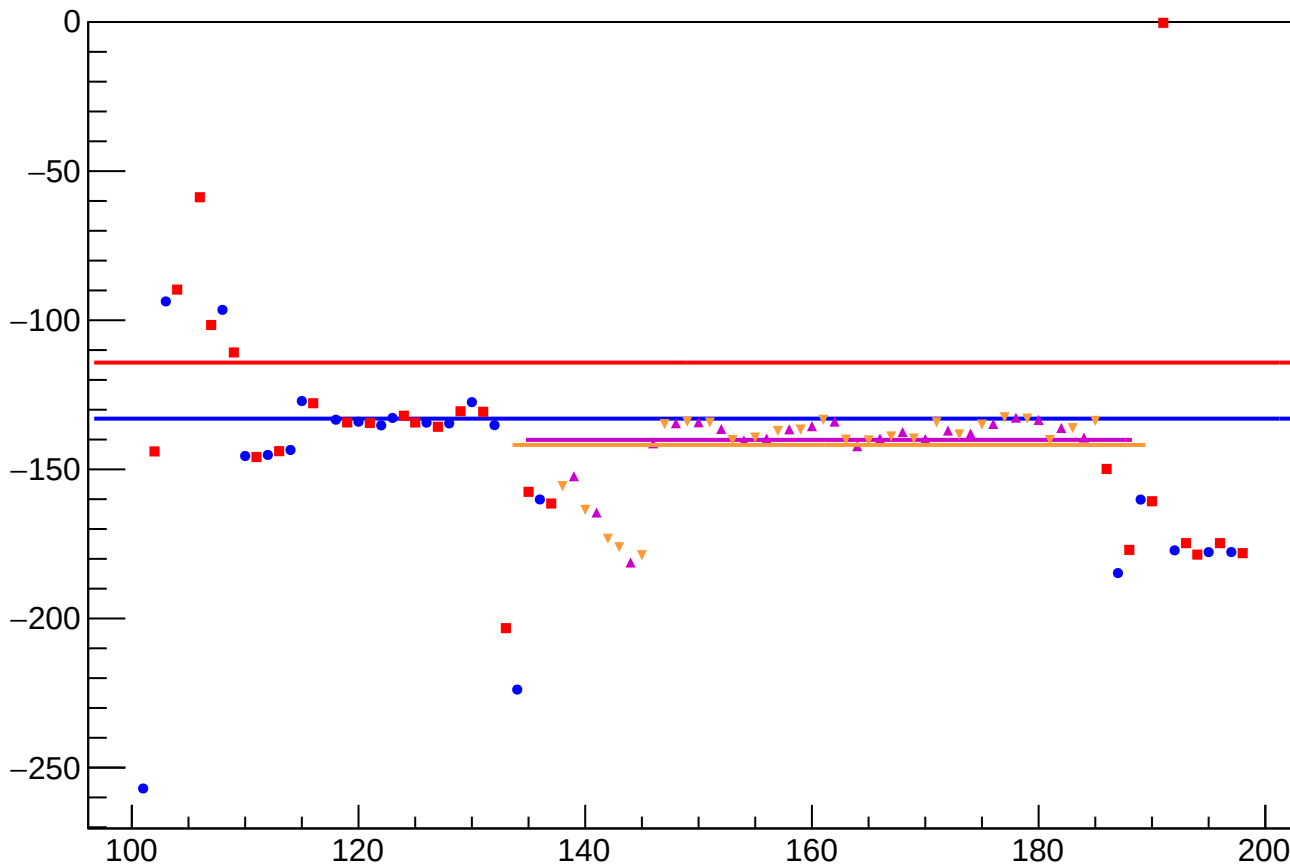
Right: 58.085 $\pm$ 1.112 χ^2 /NDF: 1201.4/47

In: 62.420 $\pm$ 0.832 χ^2 /NDF:1241.8/44

Out: 58.828 $\pm$ 0.794 χ^2 /NDF:1529.6/50

All: 60.540 $\pm$ 0.574 χ^2 /NDF: 2781.1/95

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -132.988+/-0.084 χ^2/NDF : 202459.9/21

Left Out: -141.811+/-0.045 χ^2/NDF : 77727.6/24

Right Out: -114.193+/-0.071 χ^2/NDF : 537850.3/25

Left In: -140.112+/-0.045 χ^2/NDF : 48400.6/22

Left: -140.962+/-0.032 χ^2/NDF : 126846.5/47

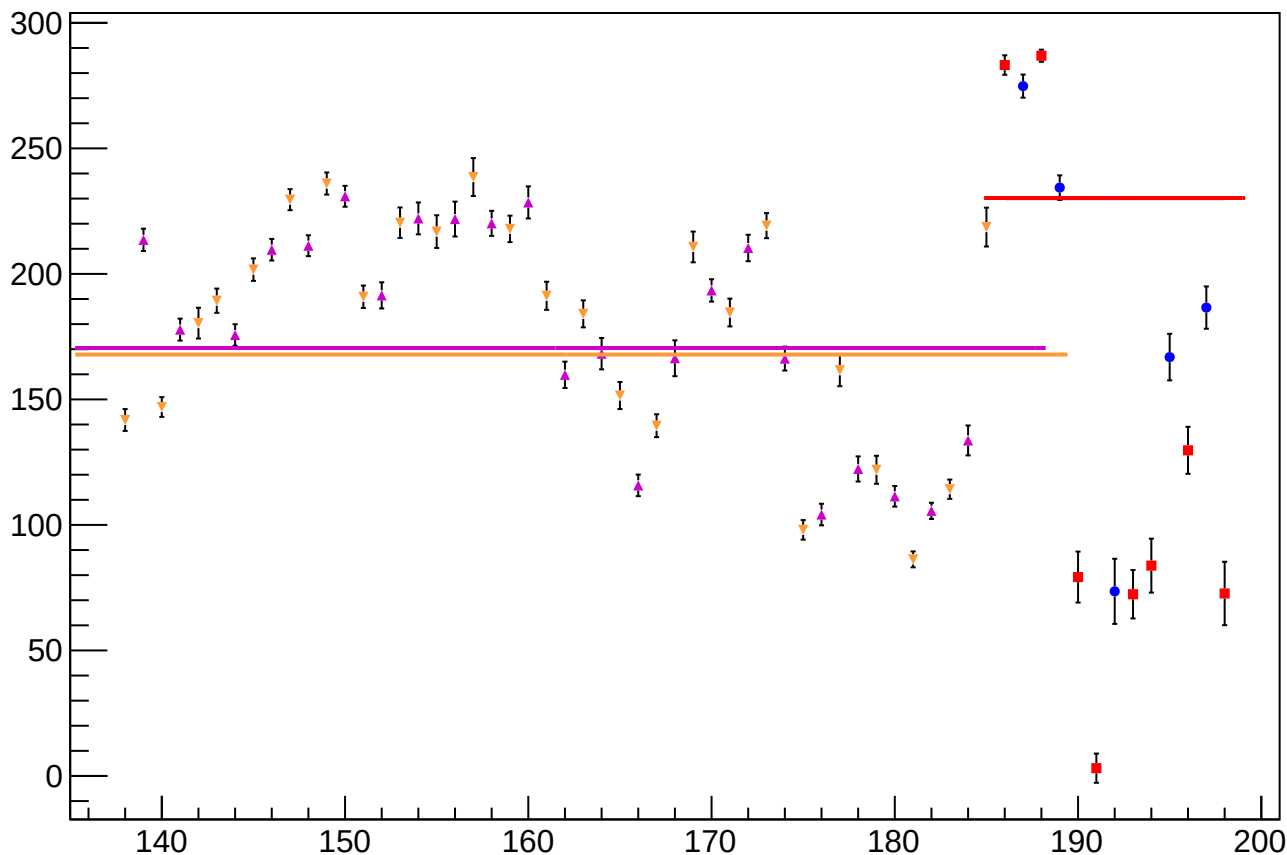
Right: -122.059+/-0.054 χ^2/NDF : 769724.2/47

In: -138.520+/-0.040 χ^2/NDF : 256503.7/44

Out: -133.928+/-0.038 χ^2/NDF : 724010.3/50

All: -136.128+/-0.027 χ^2/NDF : 987552.4/95

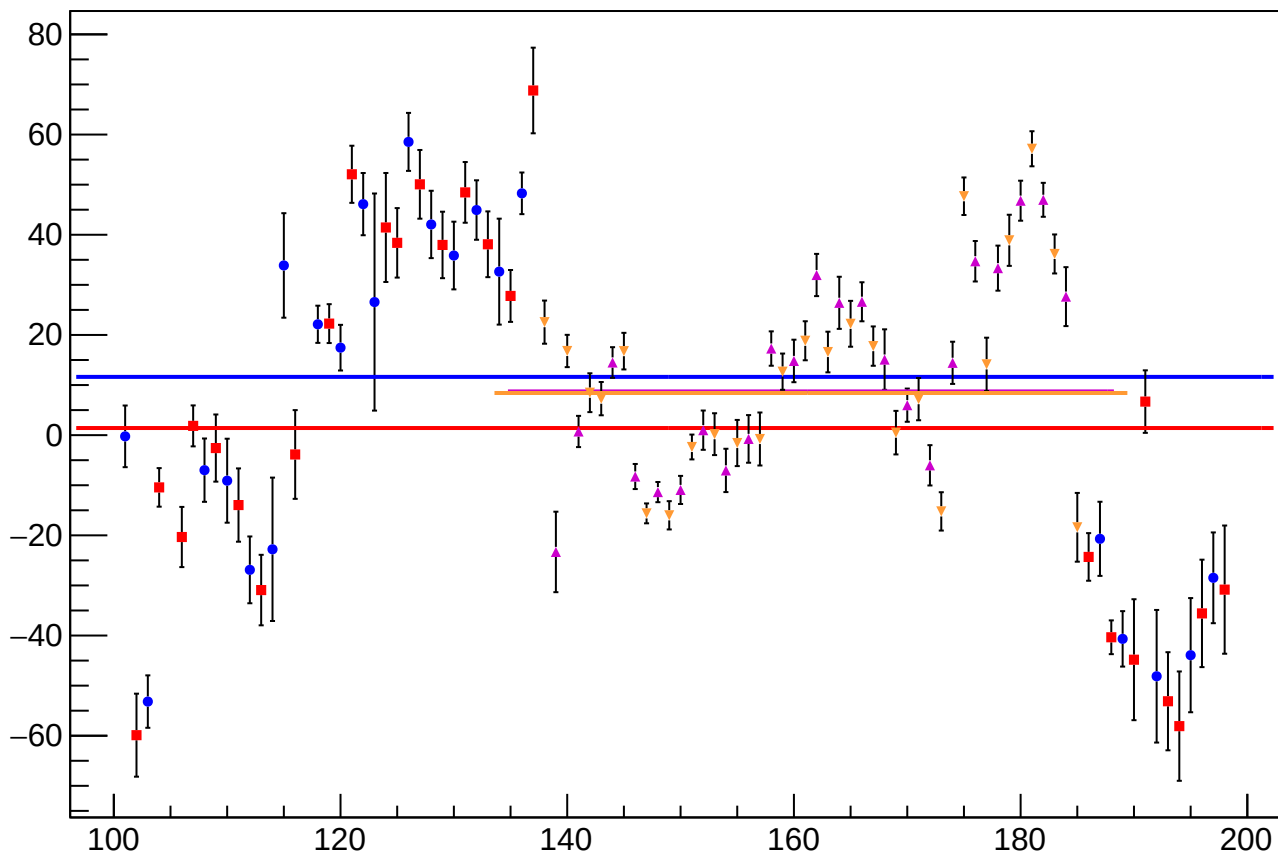
reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 230.185 ± 2.878 $\chi^2/\text{NDF}: 314.0/4$
 Left Out: 167.868 ± 0.973 $\chi^2/\text{NDF}: 2465.4/24$
 Right Out: 230.237 ± 1.783 $\chi^2/\text{NDF}: 3205.0/7$
 Left In: 170.487 ± 0.991 $\chi^2/\text{NDF}: 2036.5/22$

Left: 169.154 ± 0.695 $\chi^2/\text{NDF}: 4505.5/47$
 Right: 230.223 ± 1.516 $\chi^2/\text{NDF}: 3519.0/12$
 In: 176.817 ± 0.937 $\chi^2/\text{NDF}: 2735.1/27$
 Out: 182.192 ± 0.854 $\chi^2/\text{NDF}: 6613.2/32$
 All: 179.752 ± 0.631 $\chi^2/\text{NDF}: 9366.3/60$

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.630 ± 1.369 $\chi^2/\text{NDF}: 640.9/21$

Left Out: 8.415 ± 0.731 $\chi^2/\text{NDF}: 750.6/24$

Right Out: 1.422 ± 1.184 $\chi^2/\text{NDF}: 790.8/25$

Left In: 8.730 ± 0.757 $\chi^2/\text{NDF}: 630.1/22$

Left: 8.567 ± 0.526 $\chi^2/\text{NDF}: 1380.7/47$

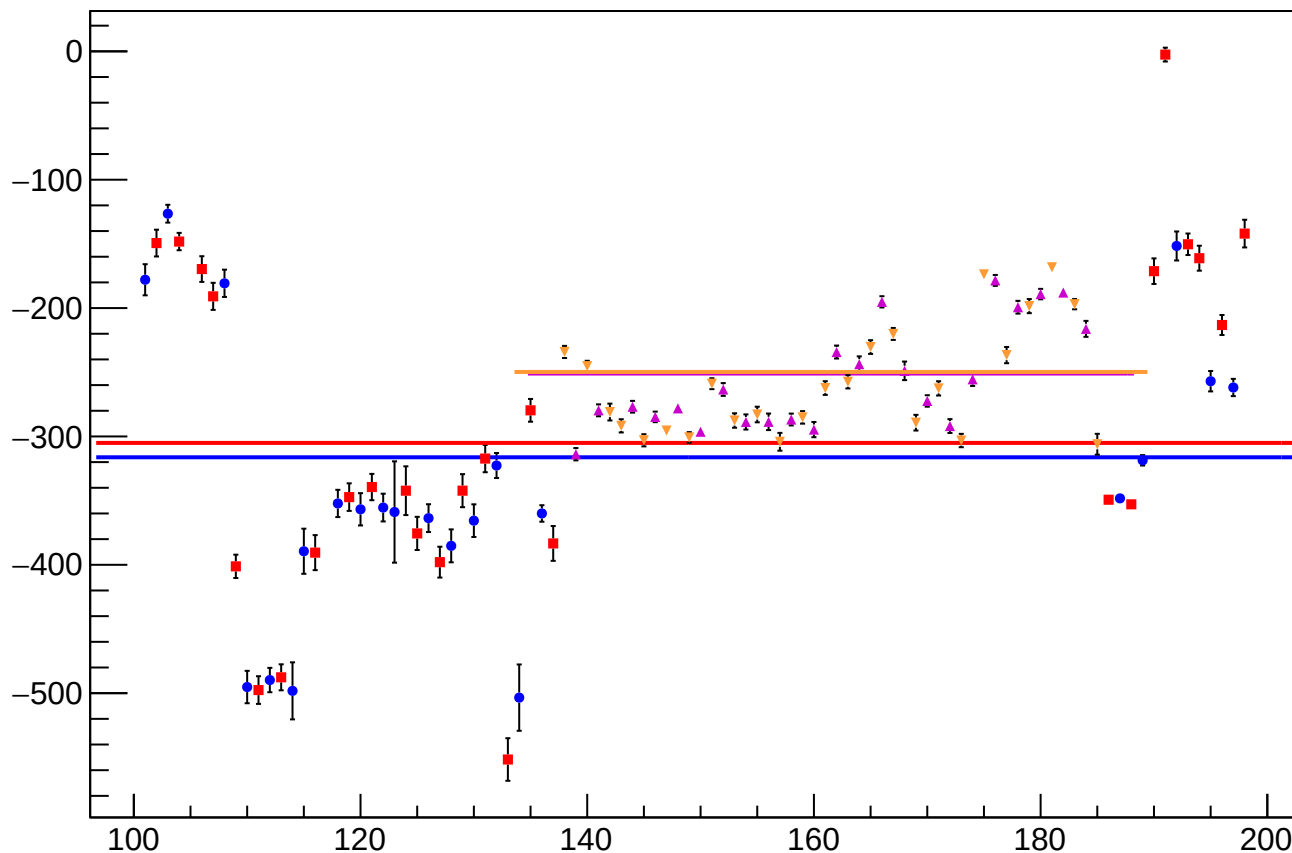
Right: 5.787 ± 0.896 $\chi^2/\text{NDF}: 1463.5/47$

In: 9.408 ± 0.662 $\chi^2/\text{NDF}: 1274.4/44$

Out: 6.484 ± 0.622 $\chi^2/\text{NDF}: 1566.6/50$

All: 7.854 ± 0.453 $\chi^2/\text{NDF}: 2851.4/95$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -316.238 ± 1.776 $\chi^2/\text{NDF}: 2264.4/21$

Left Out: -249.759 ± 0.975 $\chi^2/\text{NDF}: 2232.5/24$

Right Out: -305.041 ± 1.268 $\chi^2/\text{NDF}: 7320.0/25$

Left In: -251.002 ± 0.987 $\chi^2/\text{NDF}: 1958.3/22$

Left: -250.374 ± 0.694 $\chi^2/\text{NDF}: 4191.7/47$

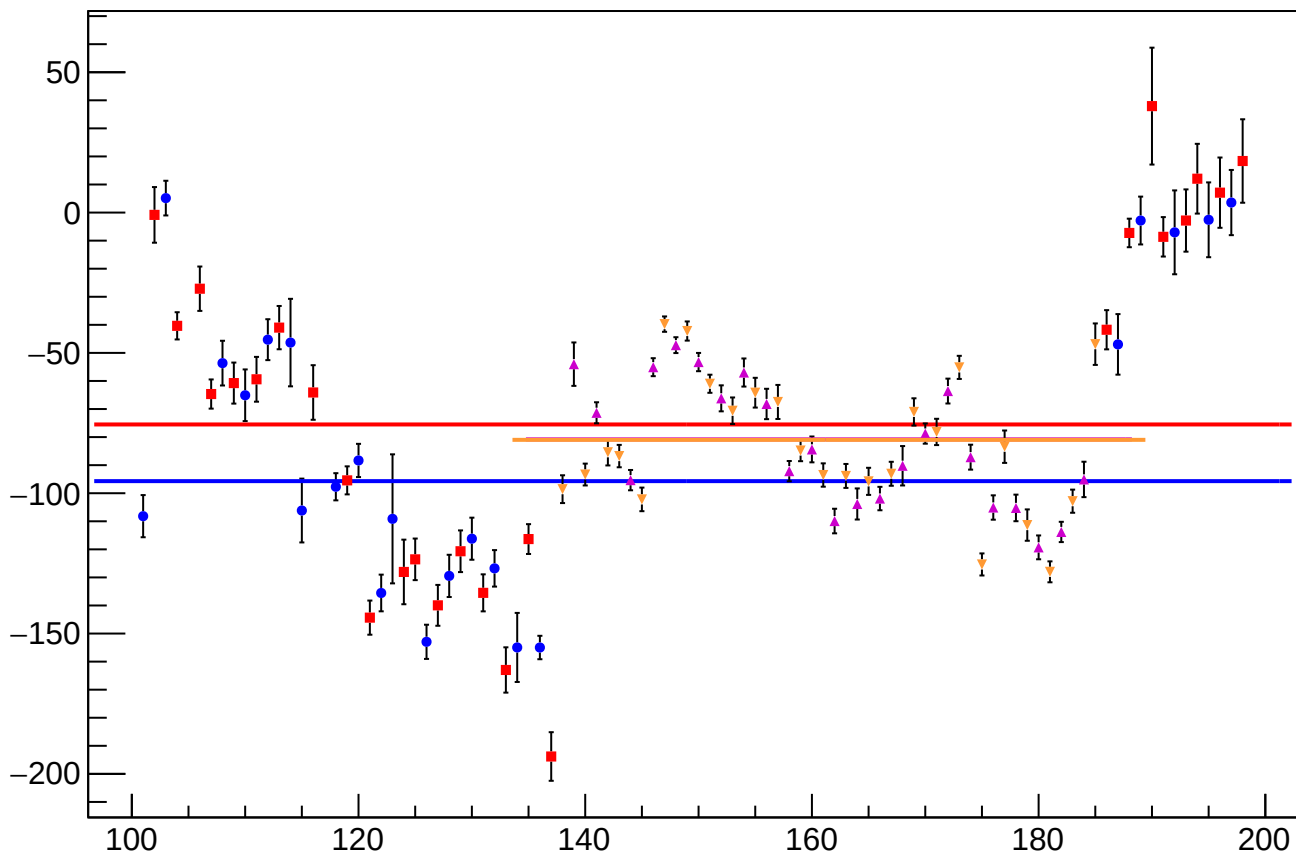
Right: -308.820 ± 1.032 $\chi^2/\text{NDF}: 9610.7/47$

In: -266.386 ± 0.863 $\chi^2/\text{NDF}: 5253.5/44$

Out: -270.308 ± 0.773 $\chi^2/\text{NDF}: 10747.1/50$

All: -268.561 ± 0.576 $\chi^2/\text{NDF}: 16012.0/95$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.692 ± 1.604 χ^2/NDF : 1065.9/21

Left Out: -80.981 ± 0.846 χ^2/NDF : 911.2/24

Right Out: -75.499 ± 1.426 χ^2/NDF : 1448.2/25

Left In: -80.803 ± 0.870 χ^2/NDF : 695.4/22

Left: -80.895 ± 0.606 χ^2/NDF : 1606.6/47

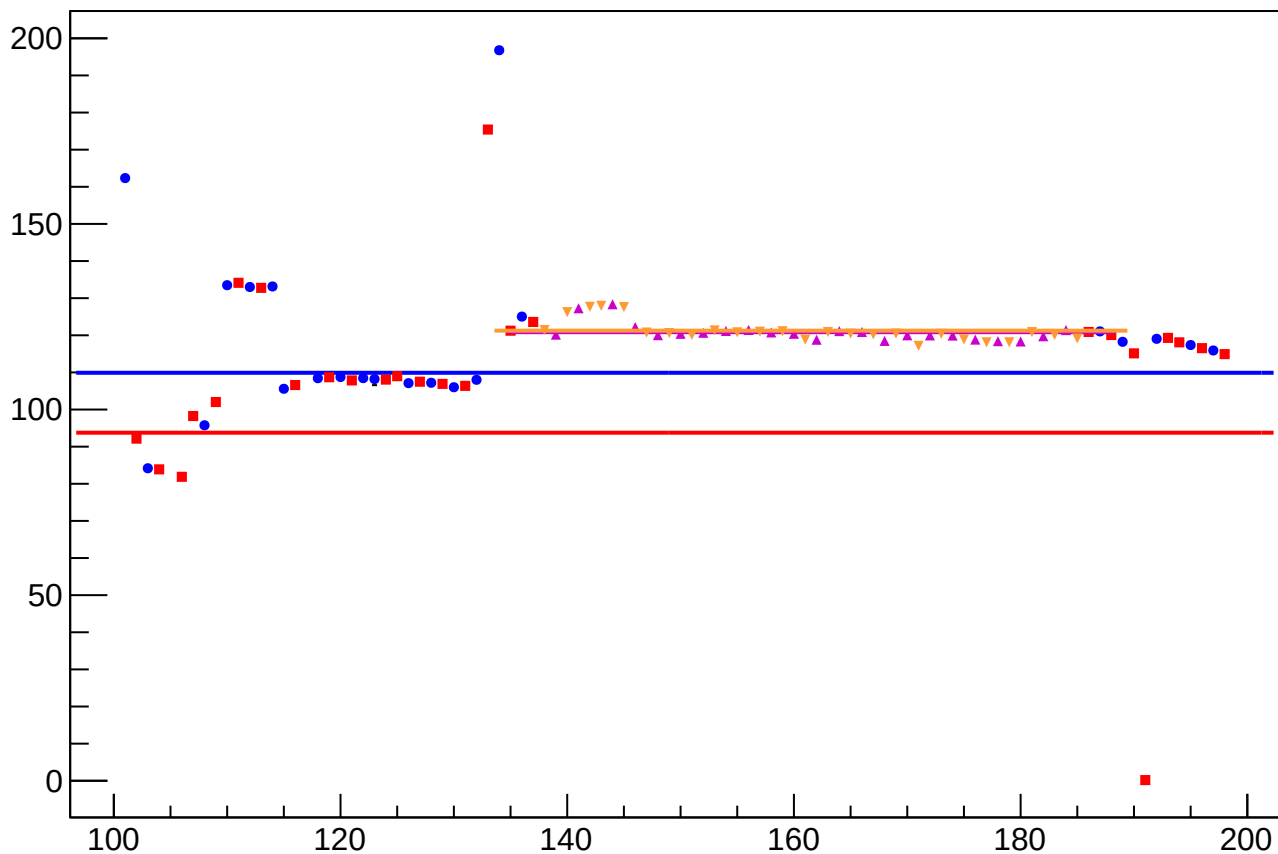
Right: -84.413 ± 1.066 χ^2/NDF : 2602.6/47

In: -84.186 ± 0.765 χ^2/NDF : 1827.9/44

Out: -79.554 ± 0.728 χ^2/NDF : 2370.4/50

All: -81.755 ± 0.527 χ^2/NDF : 4217.5/95

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 109.905 $\pm$ 0.078 χ^2 /NDF: 75265.5/21

Left Out: 121.248 $\pm$ 0.040 χ^2 /NDF: 4820.1/24

Right Out: 93.763 $\pm$ 0.066 χ^2 /NDF: 330408.7/25

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

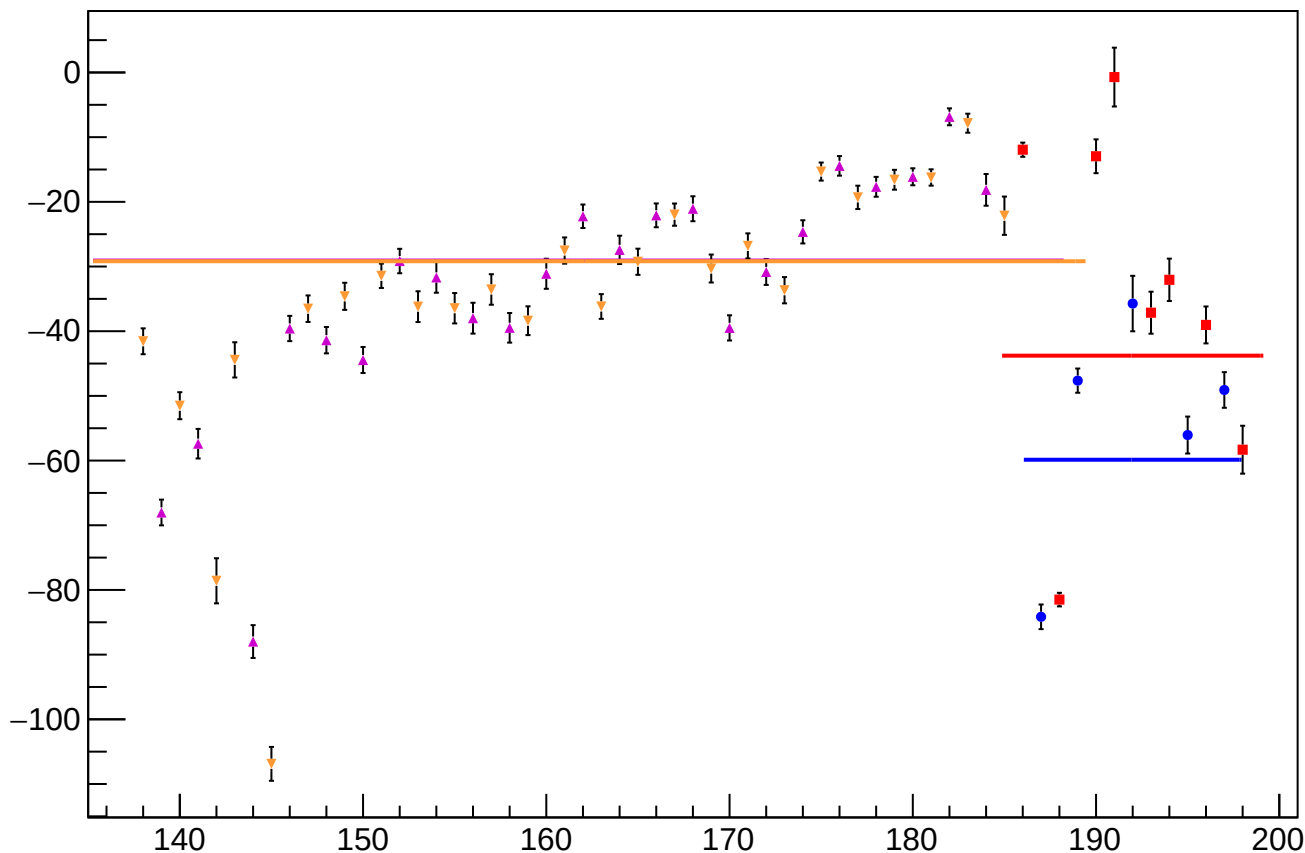
Right: 100.463 $\pm$ 0.050 χ^2 /NDF: 430728.3/47

In: 118.512 $\pm$ 0.036 χ^2 /NDF: 94102.9/44

Out: 113.756 $\pm$ 0.034 χ^2 /NDF: 462518.3/50

All: 116.022 $\pm$ 0.025 χ^2 /NDF: 565778.2/95

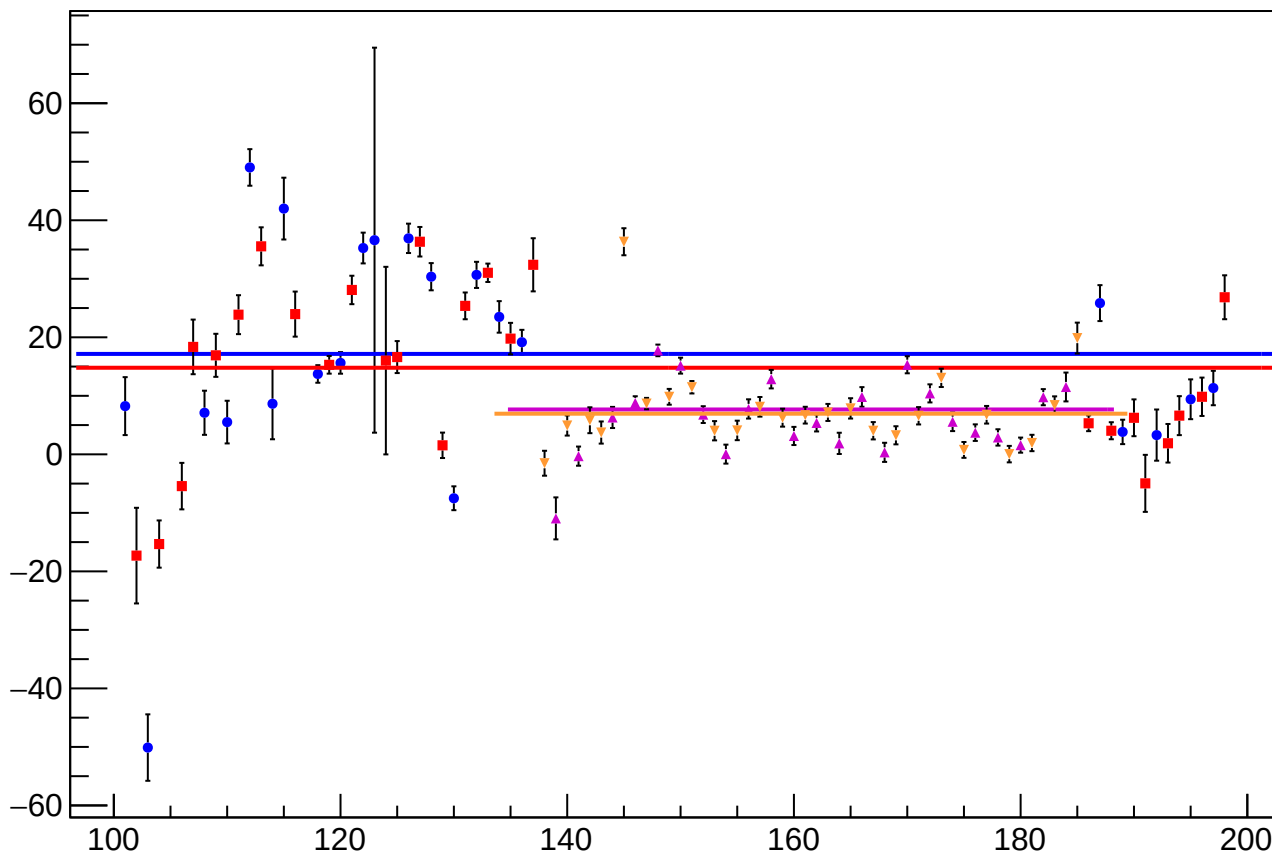
reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -59.871 ± 1.073 $\chi^2/\text{NDF}: 253.8/4$
 Left Out: -29.182 ± 0.389 $\chi^2/\text{NDF}: 1880.4/24$
 Right Out: -43.781 ± 0.657 $\chi^2/\text{NDF}: 2396.6/7$
 Left In: -29.073 ± 0.394 $\chi^2/\text{NDF}: 1872.4/22$

Left: -29.128 ± 0.277 $\chi^2/\text{NDF}: 3752.8/47$
 Right: -48.171 ± 0.560 $\chi^2/\text{NDF}: 2814.0/12$
 In: -32.731 ± 0.370 $\chi^2/\text{NDF}: 2852.5/27$
 Out: -32.974 ± 0.335 $\chi^2/\text{NDF}: 4642.4/32$
 All: -32.864 ± 0.248 $\chi^2/\text{NDF}: 7495.2/60$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.161 $\pm$ 0.577 χ^2 /NDF: 694.4/21

Left Out: 6.943 $\pm$ 0.304 χ^2 /NDF:322.6/24

Right Out: 14.797 $\pm$ 0.505 χ^2 /NDF: 601.0/25

Left In: 7.666 $\pm$ 0.313 χ^2 /NDF:341.1/22

Left: 7.294 $\pm$ 0.218 χ^2 /NDF: 666.5/47

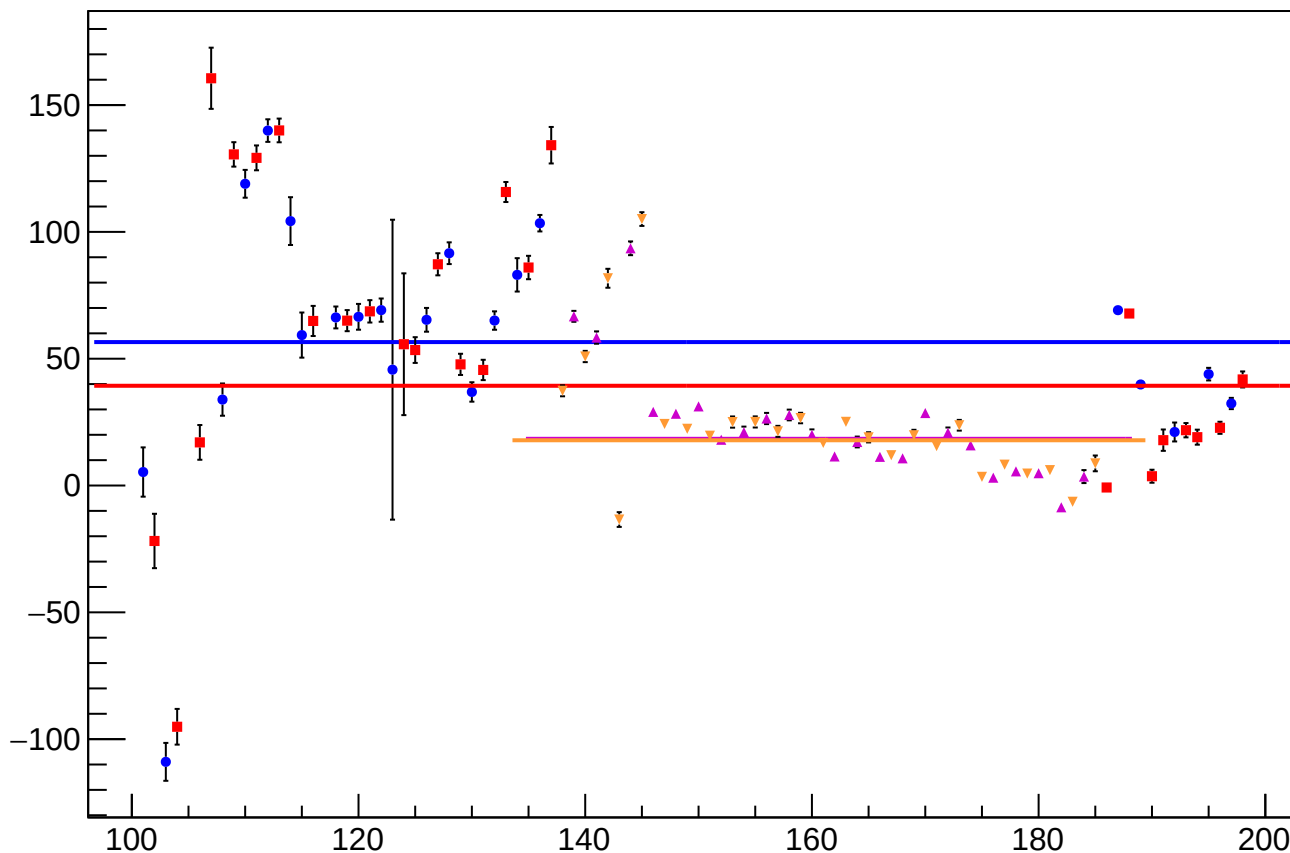
Right: 15.822 $\pm$ 0.380 χ^2 /NDF: 1304.9/47

In: 9.823 $\pm$ 0.275 χ^2 /NDF:1244.8/44

Out: 9.030 $\pm$ 0.260 χ^2 /NDF:1101.4/50

All: 9.404 $\pm$ 0.189 χ^2 /NDF: 2350.6/95

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 56.556 $\pm$ 0.725 χ^2 /NDF: 1790.5/21

Left Out: 17.841 $\pm$ 0.388 χ^2 /NDF: 2399.7/24

Right Out: 39.330 $\pm$ 0.494 χ^2 /NDF: 6132.2/25

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

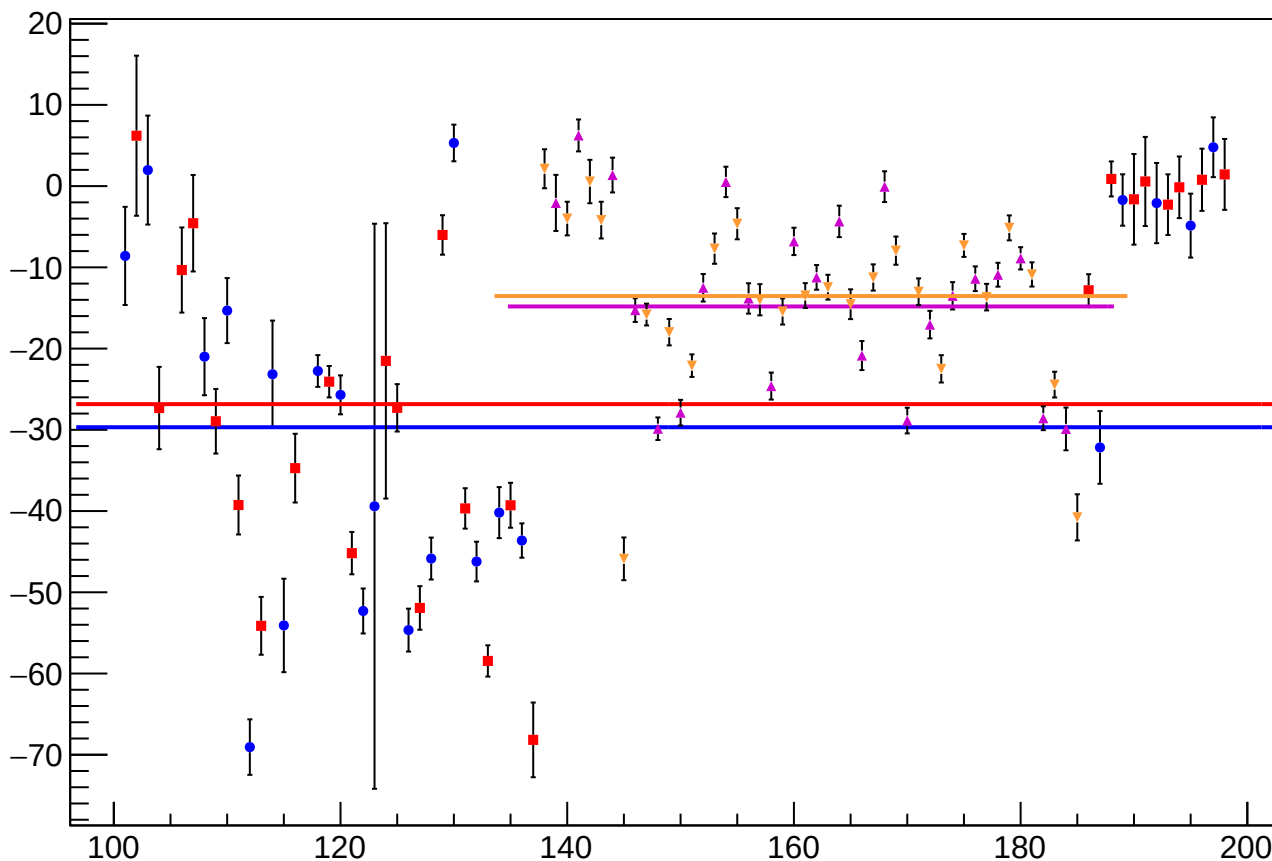
Right: 44.796 $\pm$ 0.409 χ^2 /NDF: 8307.9/47

In: 27.014 $\pm$ 0.344 χ^2 /NDF: 6401.2/44

Out: 26.027 $\pm$ 0.305 χ^2 /NDF: 9701.4/50

All: 26.461 $\pm$ 0.228 χ^2 /NDF: 16107.2/95

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -29.681 ± 0.678 χ^2/NDF : 991.3/21

Left Out: -13.535 ± 0.345 χ^2/NDF : 574.6/24

Right Out: -26.839 ± 0.616 χ^2/NDF : 1167.0/25

Left In: -14.815 ± 0.353 χ^2/NDF : 838.2/22

Left: -14.159 ± 0.247 χ^2/NDF : 1419.5/47

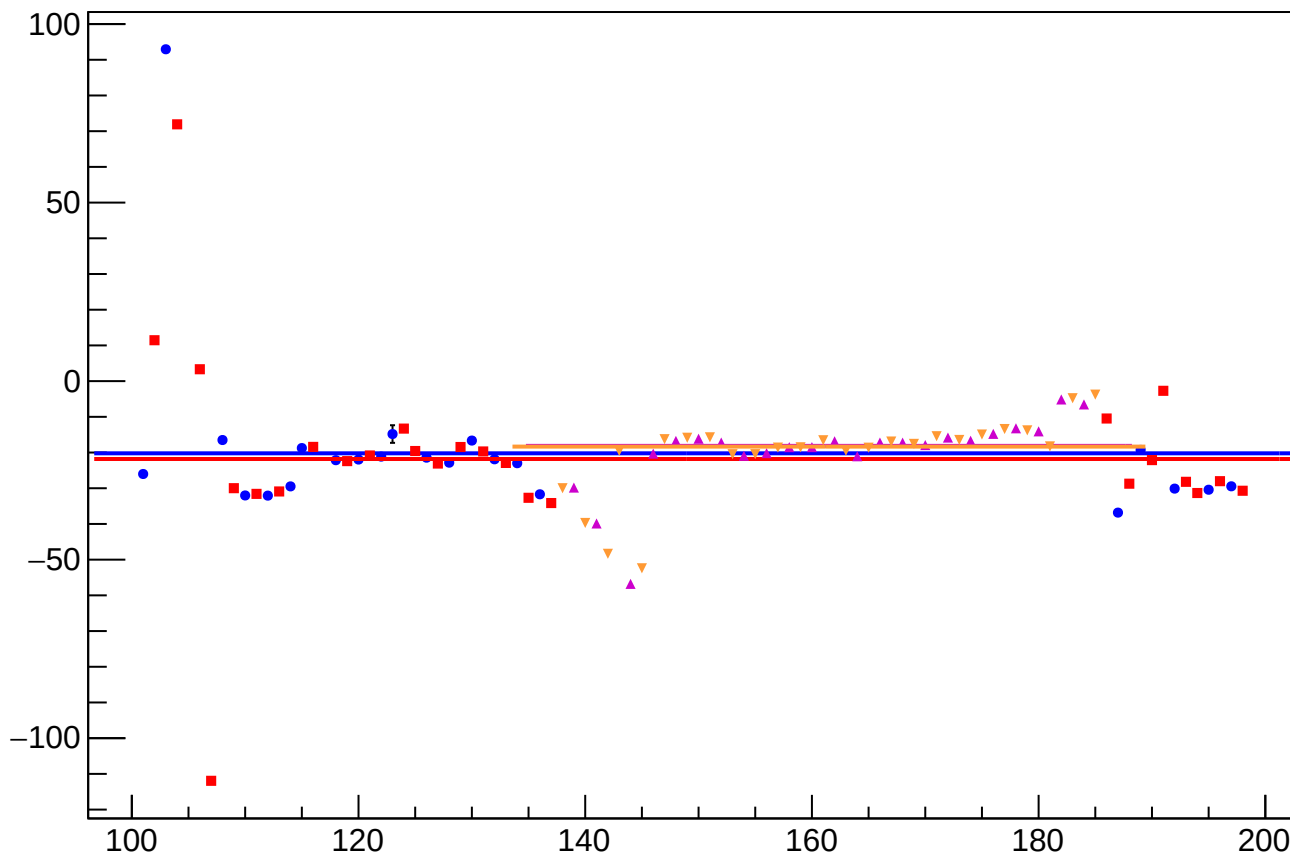
Right: -28.123 ± 0.456 χ^2/NDF : 2167.9/47

In: -17.986 ± 0.313 χ^2/NDF : 2207.5/44

Out: -16.711 ± 0.301 χ^2/NDF : 2097.2/50

All: -17.322 ± 0.217 χ^2/NDF : 4313.3/95

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.218 $\pm$ 0.036 χ^2 /NDF: 502989.8/21

Left Out: -18.337 $\pm$ 0.016 χ^2 /NDF: 283793.3/24

Right Out: -21.808 $\pm$ 0.032 χ^2 /NDF: 482221.2/25

Left In: -18.135 $\pm$ 0.016 χ^2 /NDF: 245650.3/22

Left: -18.237 $\pm$ 0.011 χ^2 /NDF: 529524.6/47

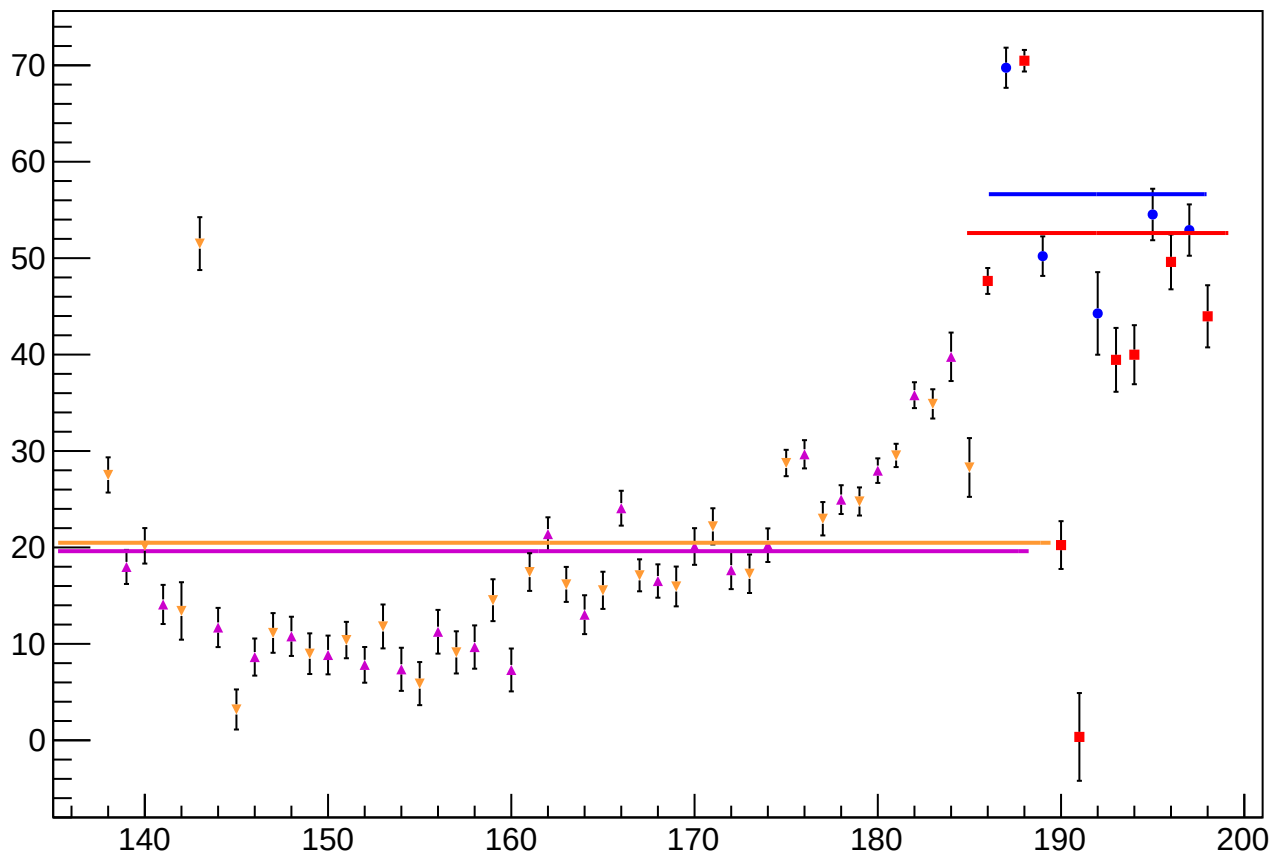
Right: -21.119 $\pm$ 0.024 χ^2 /NDF: 986290.6/47

In: -18.473 $\pm$ 0.015 χ^2 /NDF: 751384.7/44

Out: -19.028 $\pm$ 0.014 χ^2 /NDF: 775528.4/50

All: -18.759 $\pm$ 0.010 χ^2 /NDF: 1527652.0/95

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 56.634 $\pm$ 1.115 χ^2 /NDF: 60.4/4

Left Out: 20.485 $\pm$ 0.374 χ^2 /NDF: 615.7/24

Right Out: 52.606 $\pm$ 0.710 χ^2 /NDF: 612.2/7

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

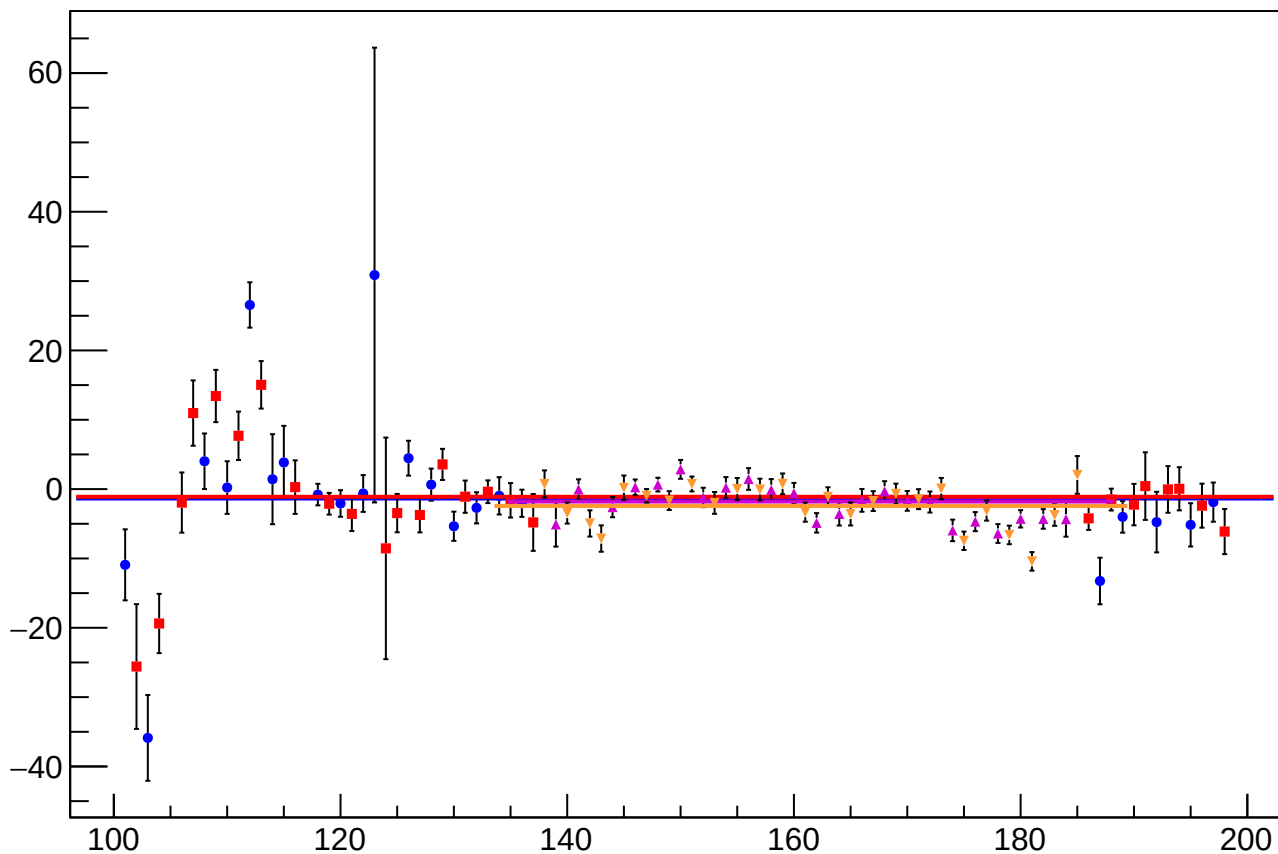
Right: 53.769 $\pm$ 0.599 χ^2 /NDF: 681.9/12

In: 23.441 $\pm$ 0.359 χ^2 /NDF: 1621.8/27

Out: 27.448 $\pm$ 0.331 χ^2 /NDF: 2830.1/32

All: 25.606 $\pm$ 0.243 χ^2 /NDF: 4519.5/60

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.354 ± 0.587 χ^2/NDF : 138.1/21

Left Out: -2.429 ± 0.293 χ^2/NDF : 103.7/24

Right Out: -1.104 ± 0.526 χ^2/NDF : 91.3/25

Left In: -1.791 ± 0.301 χ^2/NDF : 70.1/22

Left: -2.119 ± 0.210 χ^2/NDF : 176.1/47

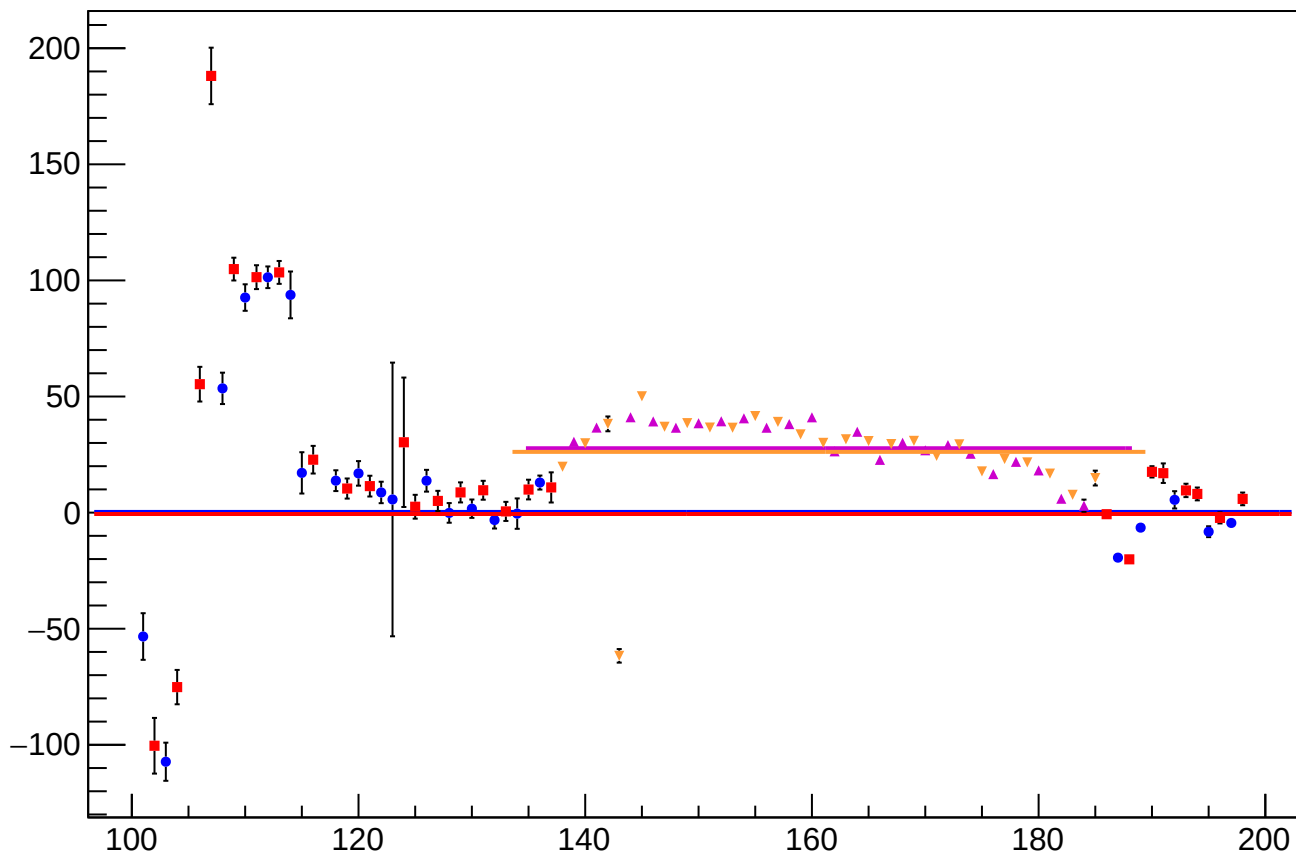
Right: -1.215 ± 0.392 χ^2/NDF : 229.4/47

In: -1.700 ± 0.268 χ^2/NDF : 208.6/44

Out: -2.115 ± 0.256 χ^2/NDF : 199.9/50

All: -1.917 ± 0.185 χ^2/NDF : 409.7/95

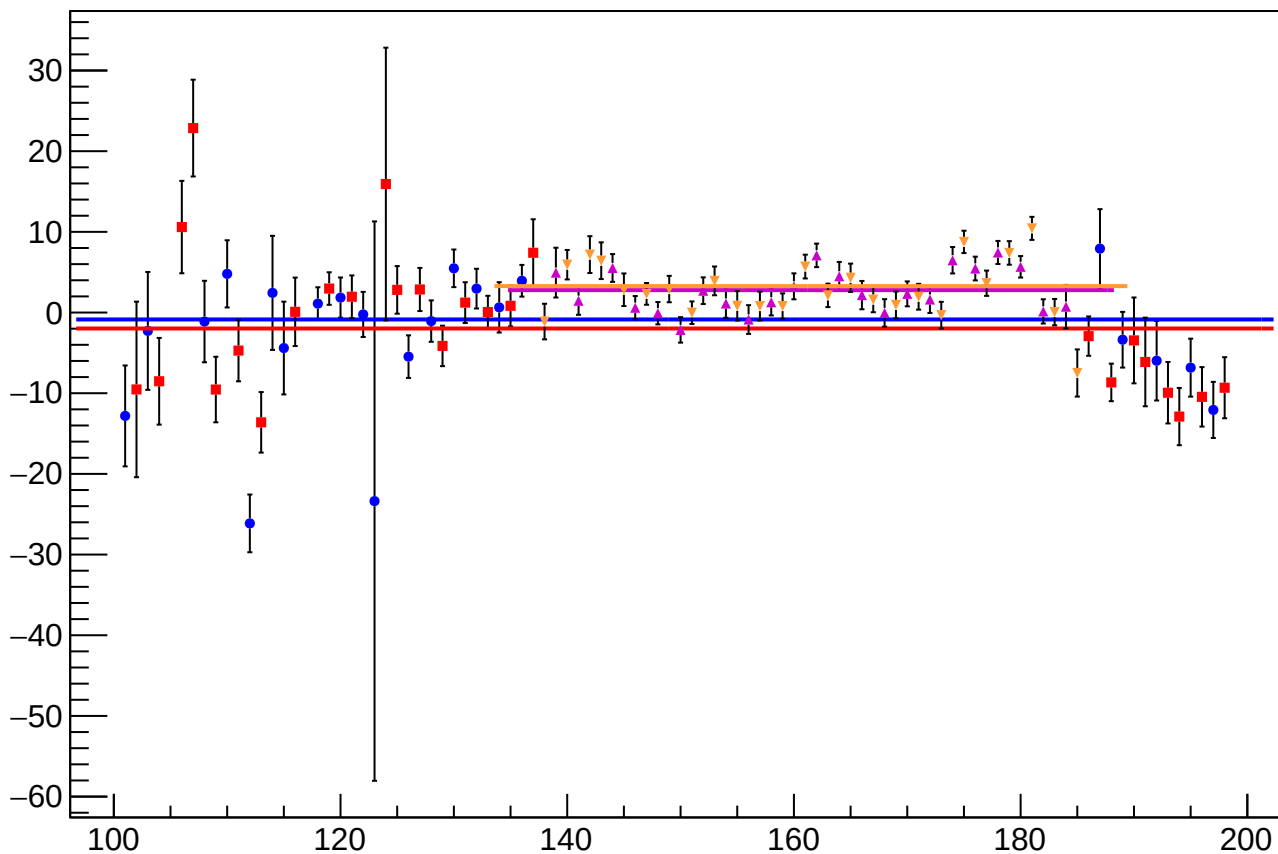
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.295 ± 0.748 χ^2/NDF : 1299.3/21
 Left Out: 26.164 ± 0.373 χ^2/NDF : 1577.6/24
 Right Out: -0.595 ± 0.533 χ^2/NDF : 2392.1/25
 Left In: 27.725 ± 0.377 χ^2/NDF : 805.1/22

Left: 26.936 ± 0.265 χ^2/NDF : 2391.3/47
 Right: -0.296 ± 0.434 χ^2/NDF : 3692.4/47
 In: 22.182 ± 0.336 χ^2/NDF : 3176.0/44
 Out: 17.363 ± 0.305 χ^2/NDF : 5663.8/50
 All: 19.540 ± 0.226 χ^2/NDF : 8952.2/95

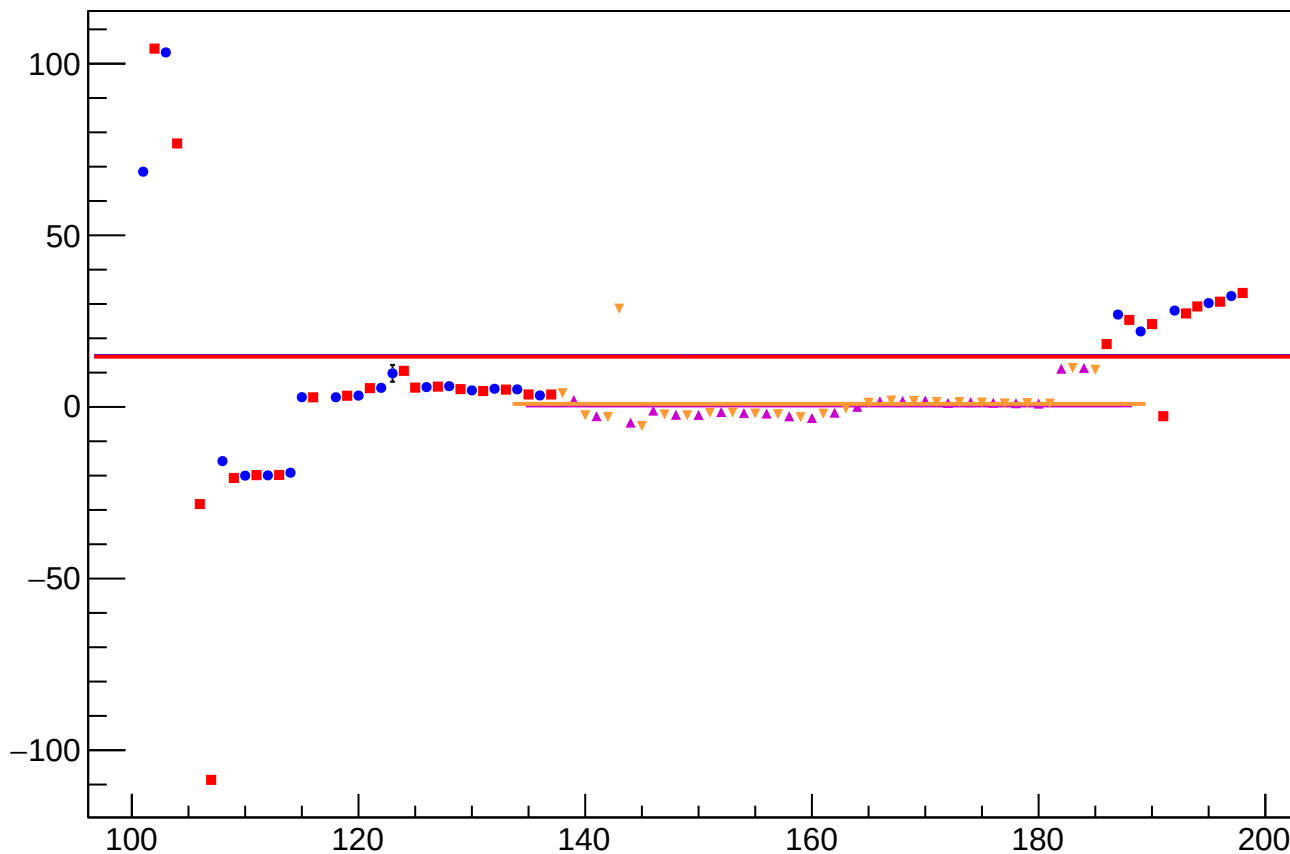
reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.858 ± 0.684 χ^2/NDF : 95.7/21
 Left Out: 3.275 ± 0.332 χ^2/NDF : 101.8/24
 Right Out: -1.976 ± 0.633 χ^2/NDF : 94.7/25
 Left In: 2.777 ± 0.340 χ^2/NDF : 66.5/22

Left: 3.032 ± 0.238 χ^2/NDF : 169.4/47
 Right: -1.460 ± 0.465 χ^2/NDF : 191.8/47
 In: 2.056 ± 0.305 χ^2/NDF : 184.8/44
 Out: 2.143 ± 0.294 χ^2/NDF : 250.4/50
 All: 2.101 ± 0.212 χ^2/NDF : 435.3/95

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 14.815+/-0.036 χ^2/NDF : 439174.3/21

Left Out: 0.898+/-0.015 χ^2/NDF :108195.0/24

Right Out: 14.662+/-0.032 χ^2/NDF : 669500.1/25

Left In: 0.448+/-0.015 χ^2/NDF :50533.6/22

Left: 0.675+/-0.011 χ^2/NDF : 159162.0/47

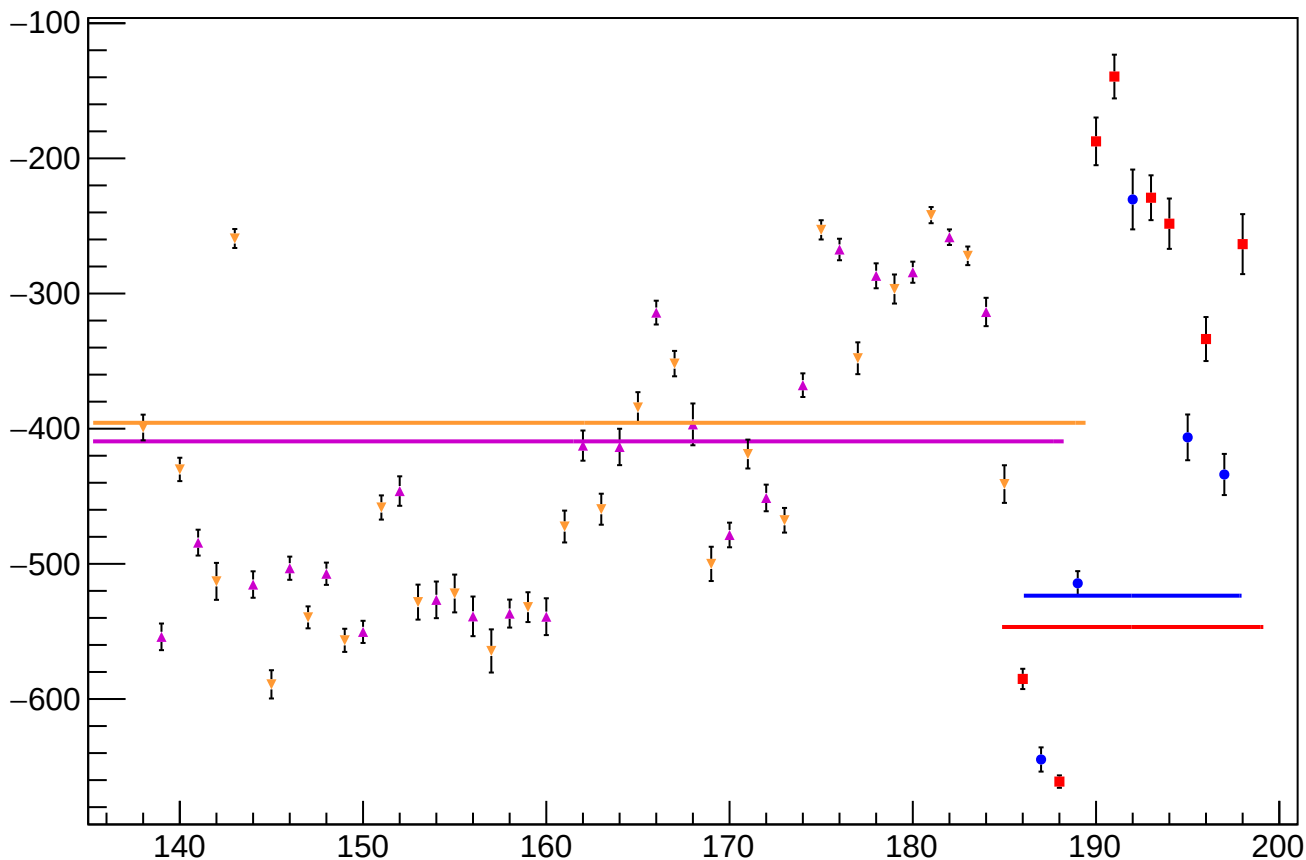
Right: 14.729+/-0.024 χ^2/NDF : 1108684.5/47

In: 2.664+/-0.014 χ^2/NDF :624687.9/44

Out: 3.464+/-0.014 χ^2/NDF :930325.9/50

All: 3.076+/-0.010 χ^2/NDF : 1556665.1/95

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -523.554 $\pm$ 5.369 χ^2 /NDF: 441.8/4

Left Out: -395.638 $\pm$ 1.909 χ^2 /NDF:3704.0/24

Right Out: -546.713 $\pm$ 3.440 χ^2 /NDF: 2651.9/7

Left In: -409.377 $\pm$ 1.971 χ^2 /NDF:3096.1/22

Left: -402.287 $\pm$ 1.371 χ^2 /NDF: 6825.2/47

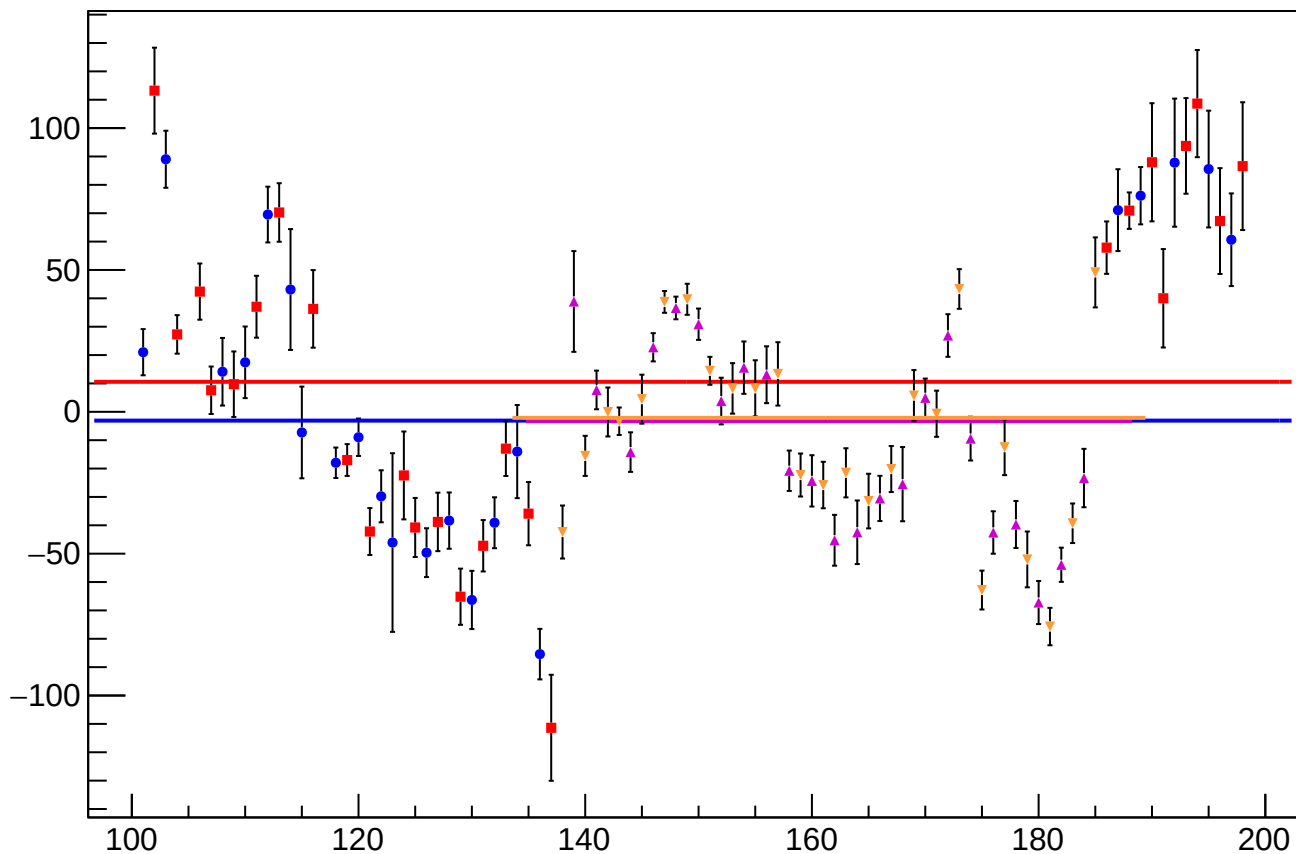
Right: -539.974 $\pm$ 2.896 χ^2 /NDF: 3107.0/12

In: -422.943 $\pm$ 1.851 χ^2 /NDF:3936.5/27

Out: -431.217 $\pm$ 1.669 χ^2 /NDF:7830.9/32

All: -427.505 $\pm$ 1.239 χ^2 /NDF: 11778.4/60

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.098 ± 2.182 $\chi^2/\text{NDF}: 495.7/21$

Left Out: -2.133 ± 1.435 $\chi^2/\text{NDF}: 562.8/24$

Right Out: 10.582 ± 2.011 $\chi^2/\text{NDF}: 590.2/25$

Left In: -3.290 ± 1.517 $\chi^2/\text{NDF}: 454.5/22$

Left: -2.680 ± 1.042 $\chi^2/\text{NDF}: 1017.6/47$

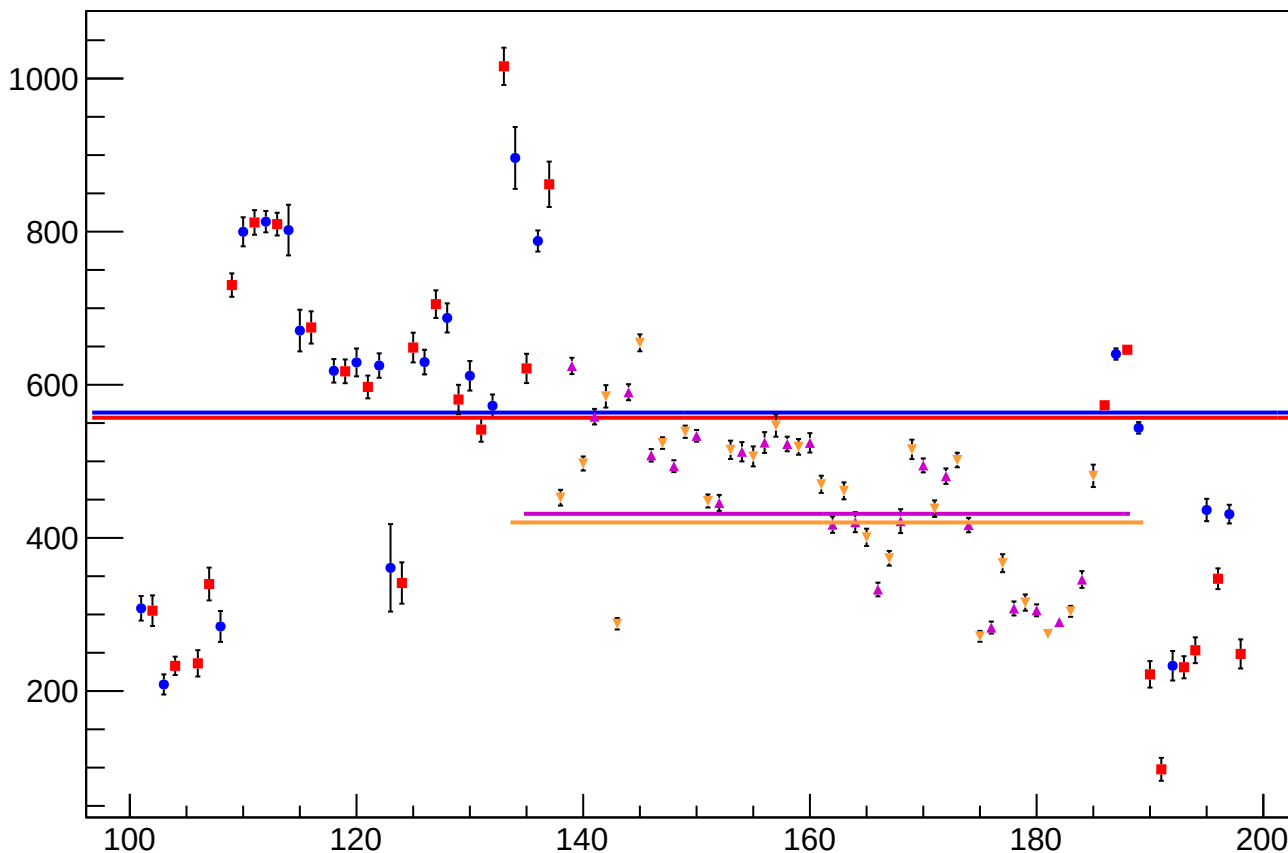
Right: 4.300 ± 1.479 $\chi^2/\text{NDF}: 1107.1/47$

In: -3.227 ± 1.245 $\chi^2/\text{NDF}: 950.2/44$

Out: 2.156 ± 1.168 $\chi^2/\text{NDF}: 1179.5/50$

All: -0.363 ± 0.852 $\chi^2/\text{NDF}: 2139.6/95$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 563.712 $\pm$ 3.104 χ^2 /NDF: 2766.8/21

Left Out: 420.181 $\pm$ 1.916 χ^2 /NDF:3241.0/24

Right Out: 556.984 $\pm$ 2.334 χ^2 /NDF: 5933.1/25

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

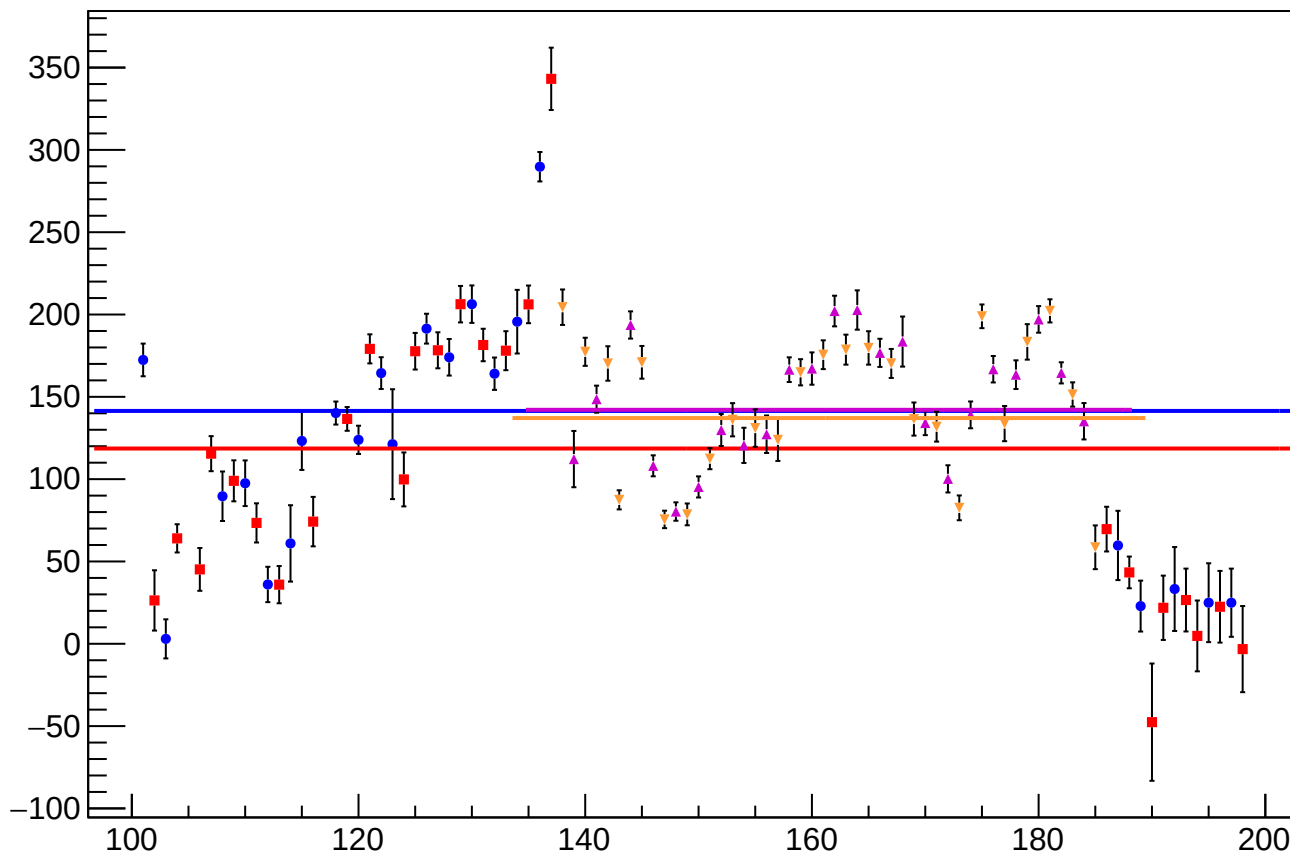
Right: 559.413 $\pm$ 1.865 χ^2 /NDF: 8702.9/47

In: 469.288 $\pm$ 1.660 χ^2 /NDF:6959.7/44

Out: 475.250 $\pm$ 1.481 χ^2 /NDF:11227.1/50

All: 472.608 $\pm$ 1.105 χ^2 /NDF: 18194.0/95

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 141.441 $\pm$ 2.566 χ^2 /NDF: 794.5/21

Left Out: 137.107 $\pm$ 1.663 χ^2 /NDF:738.9/24

Right Out: 118.605 $\pm$ 2.402 χ^2 /NDF: 829.9/25

Left In: 142.123 $\pm$ 1.740 χ^2 /NDF:463.8/22

Left: 139.501 $\pm$ 1.202 χ^2 /NDF: 1207.0/47

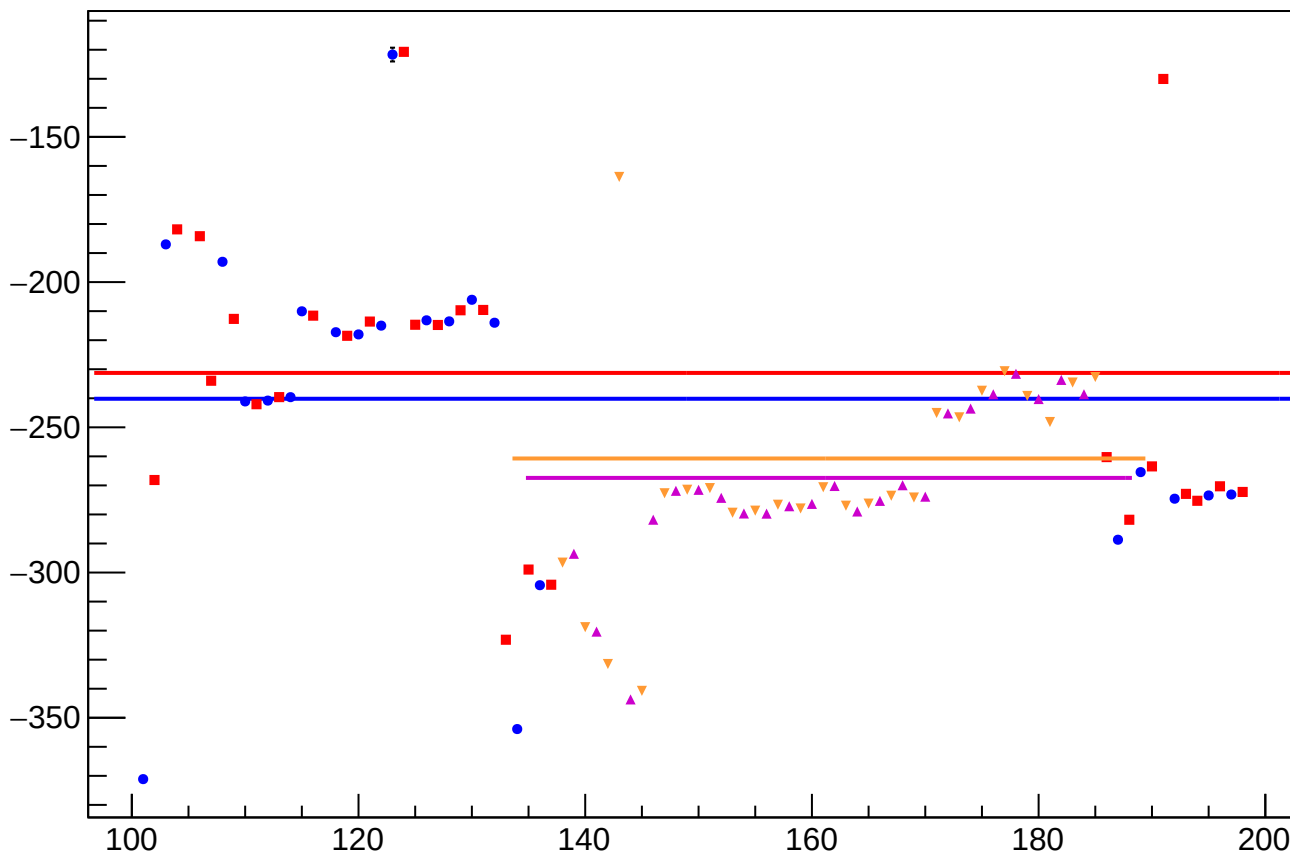
Right: 129.271 $\pm$ 1.753 χ^2 /NDF: 1666.7/47

In: 141.908 $\pm$ 1.440 χ^2 /NDF:1258.3/44

Out: 131.113 $\pm$ 1.367 χ^2 /NDF:1608.9/50

All: 136.229 $\pm$ 0.991 χ^2 /NDF: 2896.8/95

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -240.167+/-0.137 χ^2/NDF : 155675.2/21

Left Out: -260.729+/-0.080 χ^2/NDF : 220125.6/24

Right Out: -231.268+/-0.121 χ^2/NDF : 157818.7/25

Left In: -267.416+/-0.081 χ^2/NDF : 98892.0/22

Left: -263.998+/-0.057 χ^2/NDF : 322472.0/47

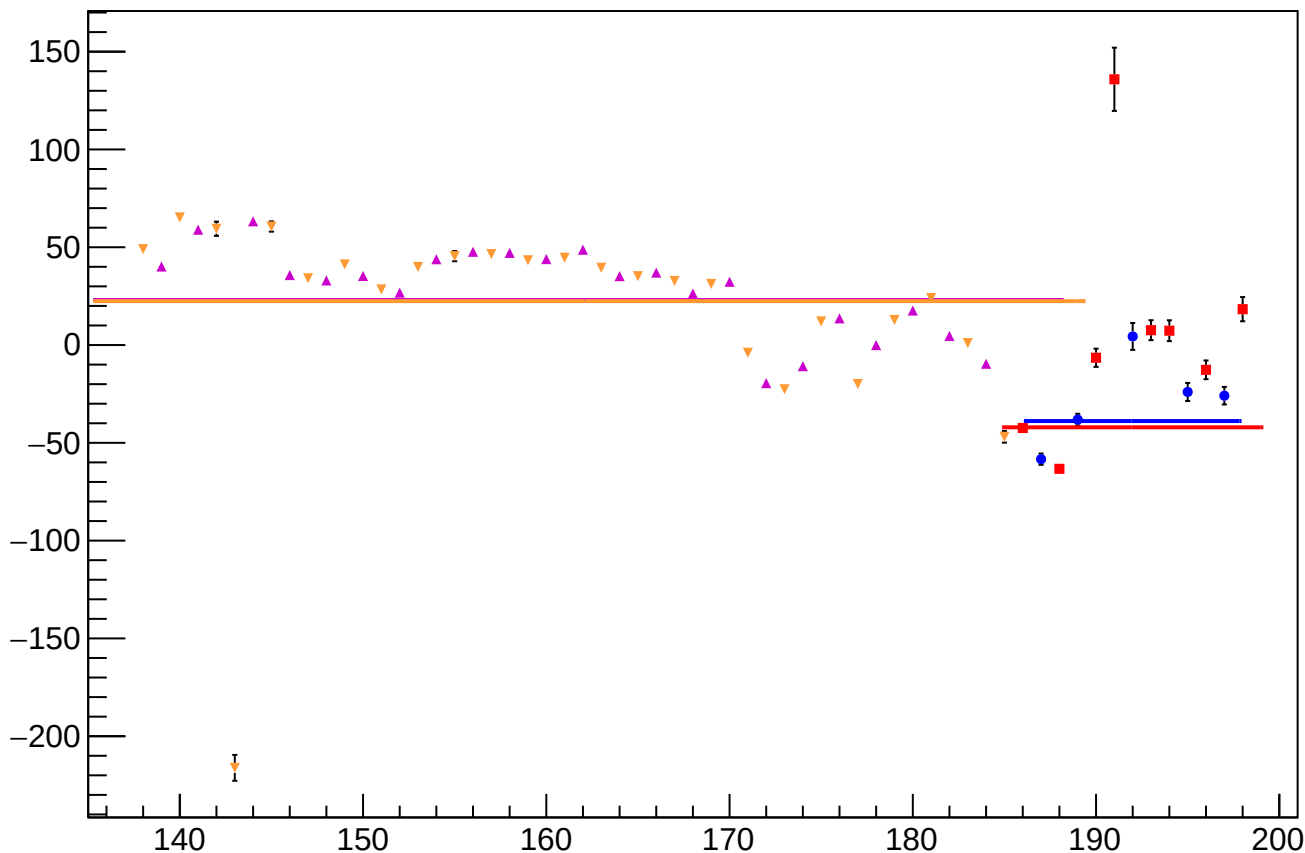
Right: -235.189+/-0.091 χ^2/NDF : 315866.0/47

In: -260.287+/-0.070 χ^2/NDF : 283928.5/44

Out: -251.867+/-0.067 χ^2/NDF : 419206.2/50

All: -255.868+/-0.048 χ^2/NDF : 710749.2/95

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -38.866 ± 1.691 $\chi^2/\text{NDF}: 103.8/4$

Left Out: 22.446 ± 0.399 $\chi^2/\text{NDF}: 4935.8/24$

Right Out: -42.063 ± 1.036 $\chi^2/\text{NDF}: 678.1/7$

Left In: 23.019 ± 0.400 $\chi^2/\text{NDF}: 2819.9/22$

Left: 22.732 ± 0.282 $\chi^2/\text{NDF}: 7756.7/47$

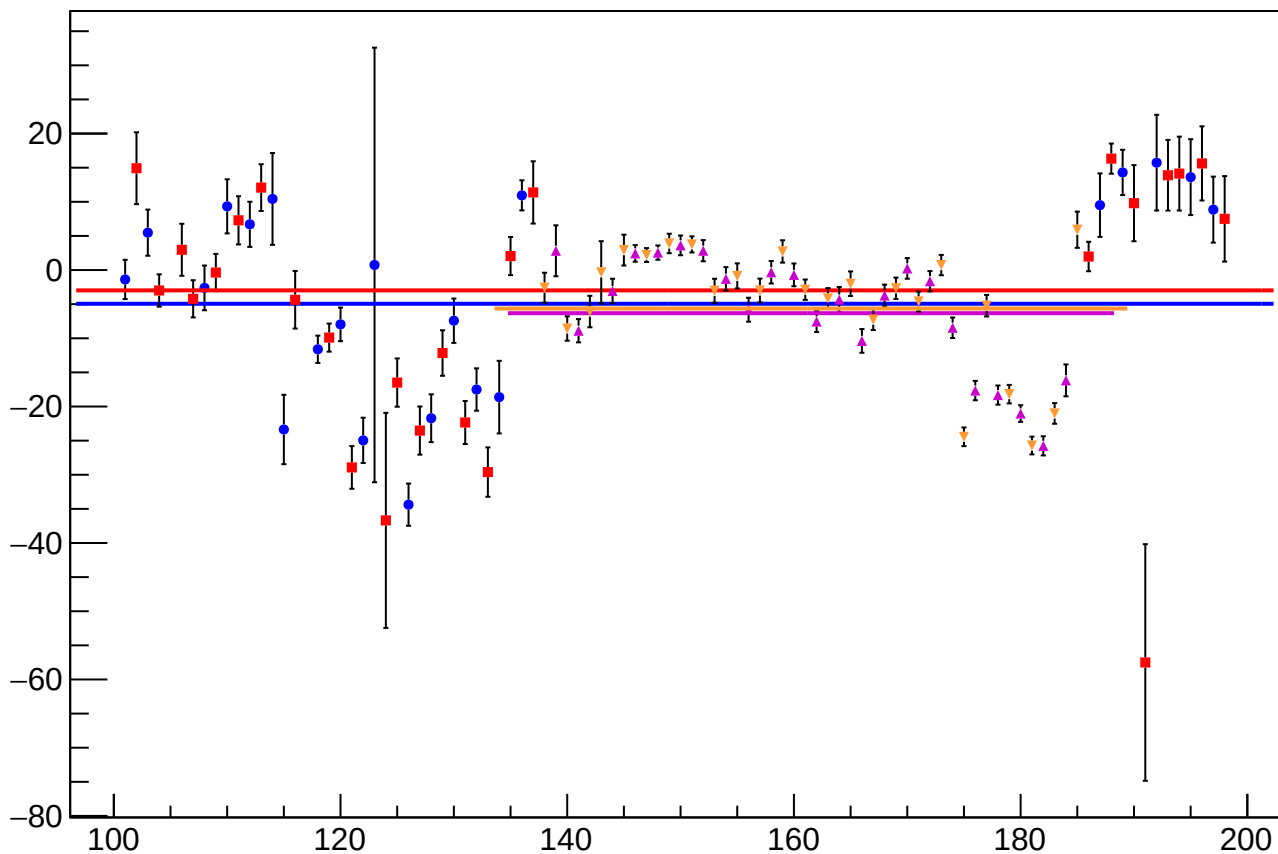
Right: -41.191 ± 0.883 $\chi^2/\text{NDF}: 784.5/12$

In: 19.742 ± 0.389 $\chi^2/\text{NDF}: 4192.8/27$

Out: 14.116 ± 0.372 $\chi^2/\text{NDF}: 8991.7/32$

All: 16.805 ± 0.269 $\chi^2/\text{NDF}: 13293.7/60$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.940 ± 0.729 χ^2/NDF : 364.7/21

Left Out: -5.639 ± 0.316 χ^2/NDF : 891.5/24

Right Out: -2.979 ± 0.659 χ^2/NDF : 420.8/25

Left In: -6.323 ± 0.320 χ^2/NDF : 784.4/22

Left: -5.976 ± 0.225 χ^2/NDF : 1678.2/47

Right: -3.860 ± 0.489 χ^2/NDF : 789.5/47

In: -6.100 ± 0.293 χ^2/NDF : 1152.1/44

Out: -5.142 ± 0.285 χ^2/NDF : 1325.6/50

All: -5.606 ± 0.204 χ^2/NDF : 2483.2/95

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 122.945 $\pm$ 0.998 χ^2 /NDF: 2314.1/21

Left Out: 57.816 $\pm$ 0.398 χ^2 /NDF:4331.5/24

Right Out: 125.214 $\pm$ 0.721 χ^2 /NDF: 3045.2/25

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

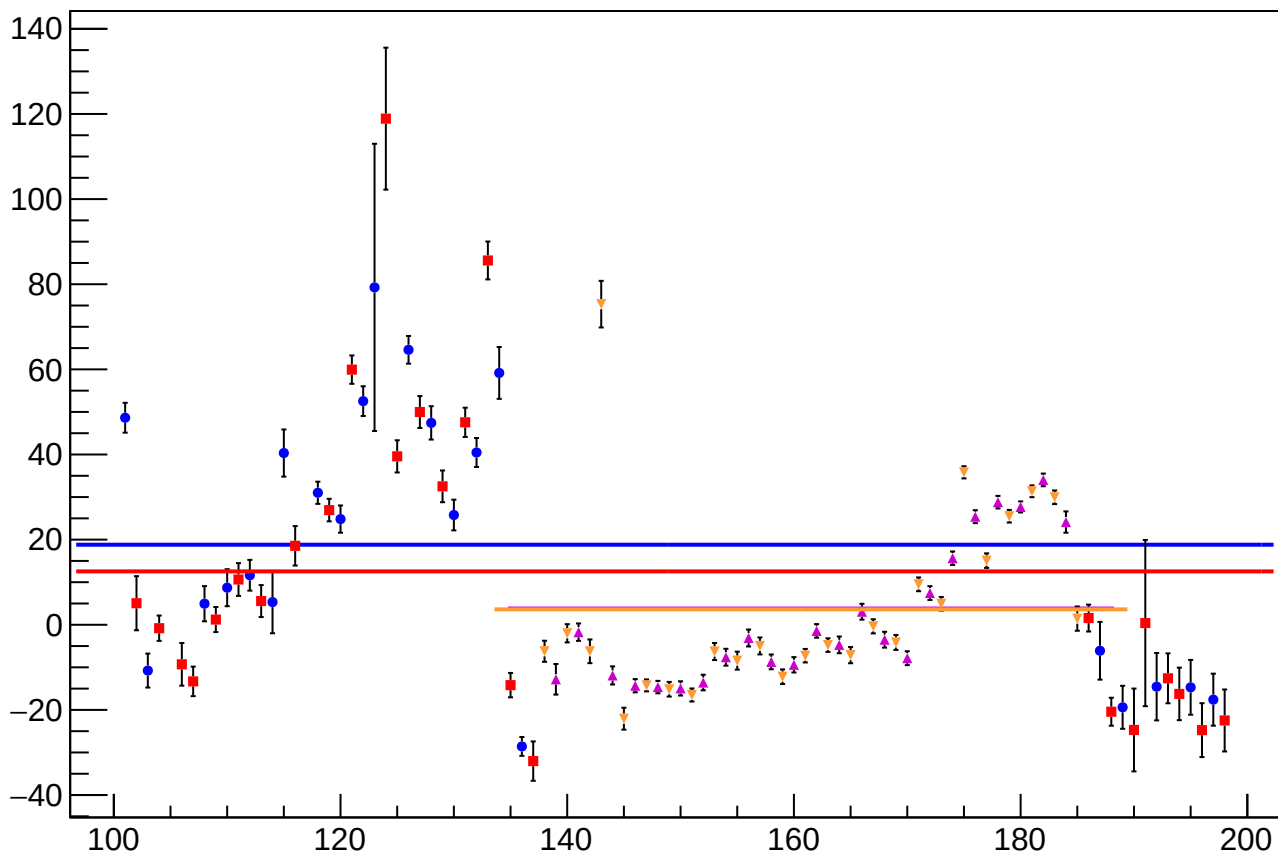
Right: 124.436 $\pm$ 0.584 χ^2 /NDF: 5362.8/47

In: 66.245 $\pm$ 0.370 χ^2 /NDF:7915.3/44

Out: 73.569 $\pm$ 0.348 χ^2 /NDF:14078.7/50

All: 70.124 $\pm$ 0.254 χ^2 /NDF: 22201.9/95

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 18.807 ± 0.847 χ^2/NDF : 1237.5/21

Left Out: 3.615 ± 0.357 χ^2/NDF : 2501.2/24

Right Out: 12.539 ± 0.786 χ^2/NDF : 1347.2/25

Left In: 3.812 ± 0.361 χ^2/NDF : 2203.5/22

Left: 3.712 ± 0.254 χ^2/NDF : 4704.8/47

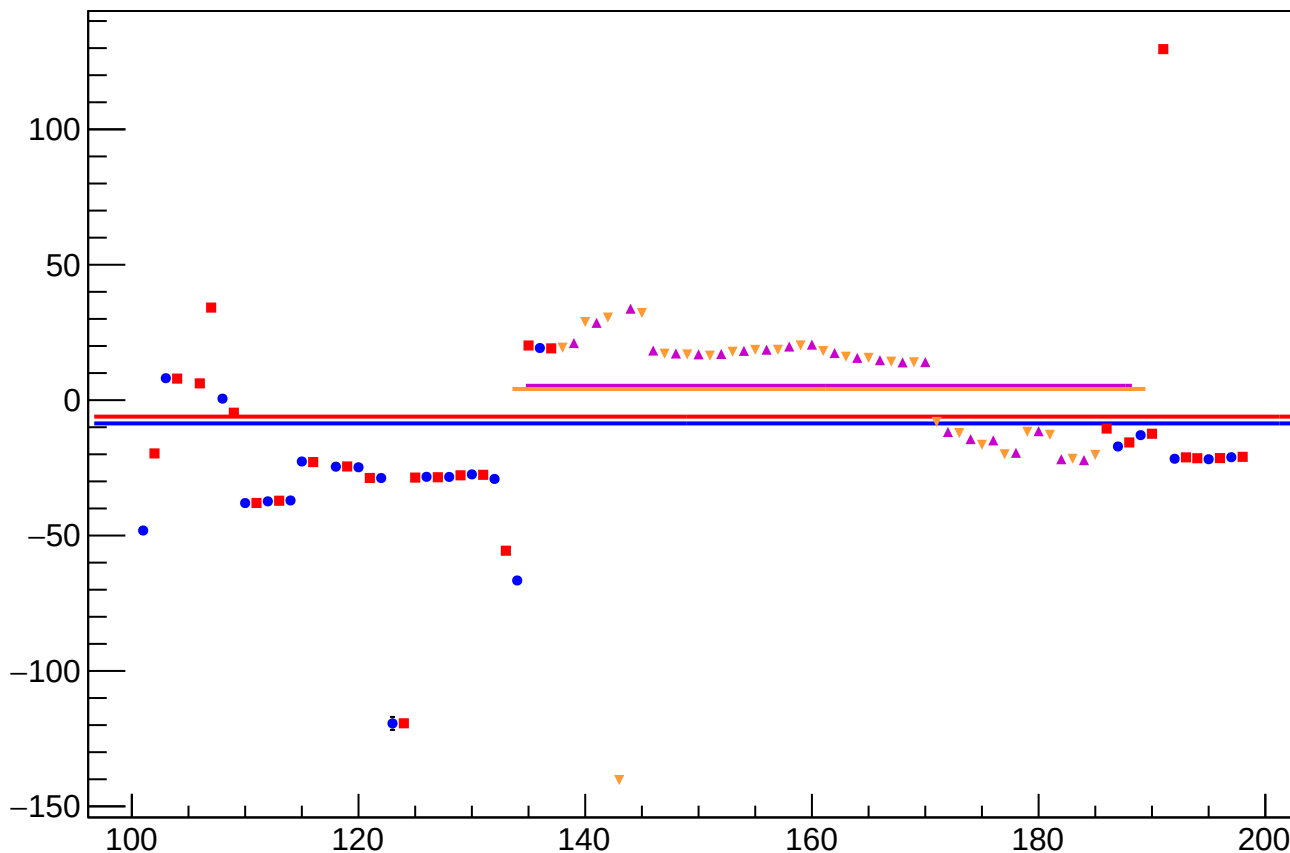
Right: 15.438 ± 0.576 χ^2/NDF : 2614.1/47

In: 6.112 ± 0.332 χ^2/NDF : 3706.1/44

Out: 5.140 ± 0.325 χ^2/NDF : 3955.3/50

All: 5.616 ± 0.232 χ^2/NDF : 7665.8/95

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.595 ± 0.042 $\chi^2/\text{NDF}: 279660.8/21$

Left Out: 4.121 ± 0.016 $\chi^2/\text{NDF}: 1340176.5/24$

Right Out: -6.088 ± 0.039 $\chi^2/\text{NDF}: 362685.7/25$

Left In: 5.305 ± 0.016 $\chi^2/\text{NDF}: 1089610.2/22$

Left: 4.714 ± 0.012 $\chi^2/\text{NDF}: 2432407.5/47$

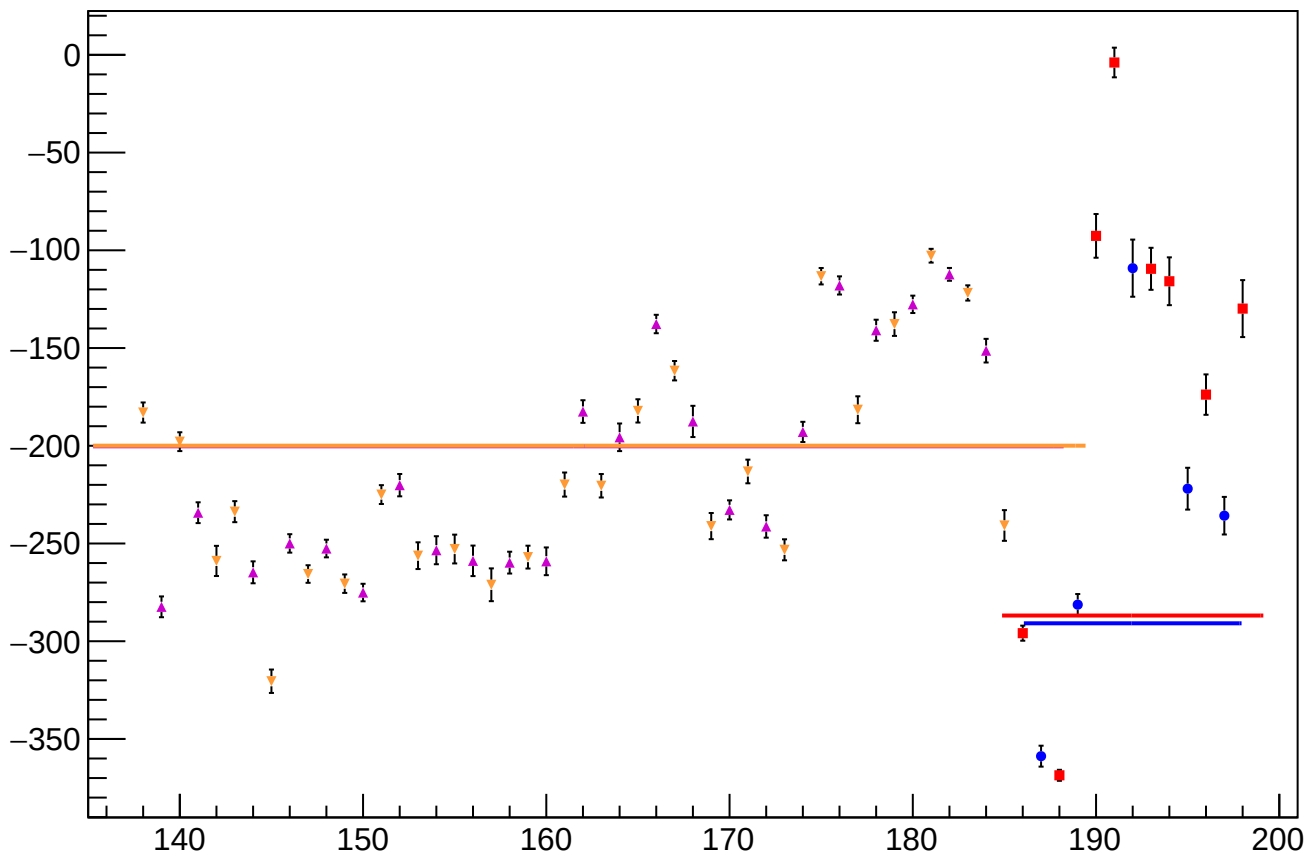
Right: -7.245 ± 0.029 $\chi^2/\text{NDF}: 644250.9/47$

In: 3.487 ± 0.015 $\chi^2/\text{NDF}: 1463785.9/44$

Out: 2.595 ± 0.015 $\chi^2/\text{NDF}: 1761008.4/50$

All: 3.037 ± 0.011 $\chi^2/\text{NDF}: 3226522.5/95$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -290.831 ± 3.281 χ^2/NDF : 392.8/4

Left Out: -199.957 ± 1.082 χ^2/NDF : 3220.5/24

Right Out: -286.855 ± 2.006 χ^2/NDF : 3246.0/7

Left In: -200.276 ± 1.093 χ^2/NDF : 3013.8/22

Left: -200.115 ± 0.769 χ^2/NDF : 6234.3/47

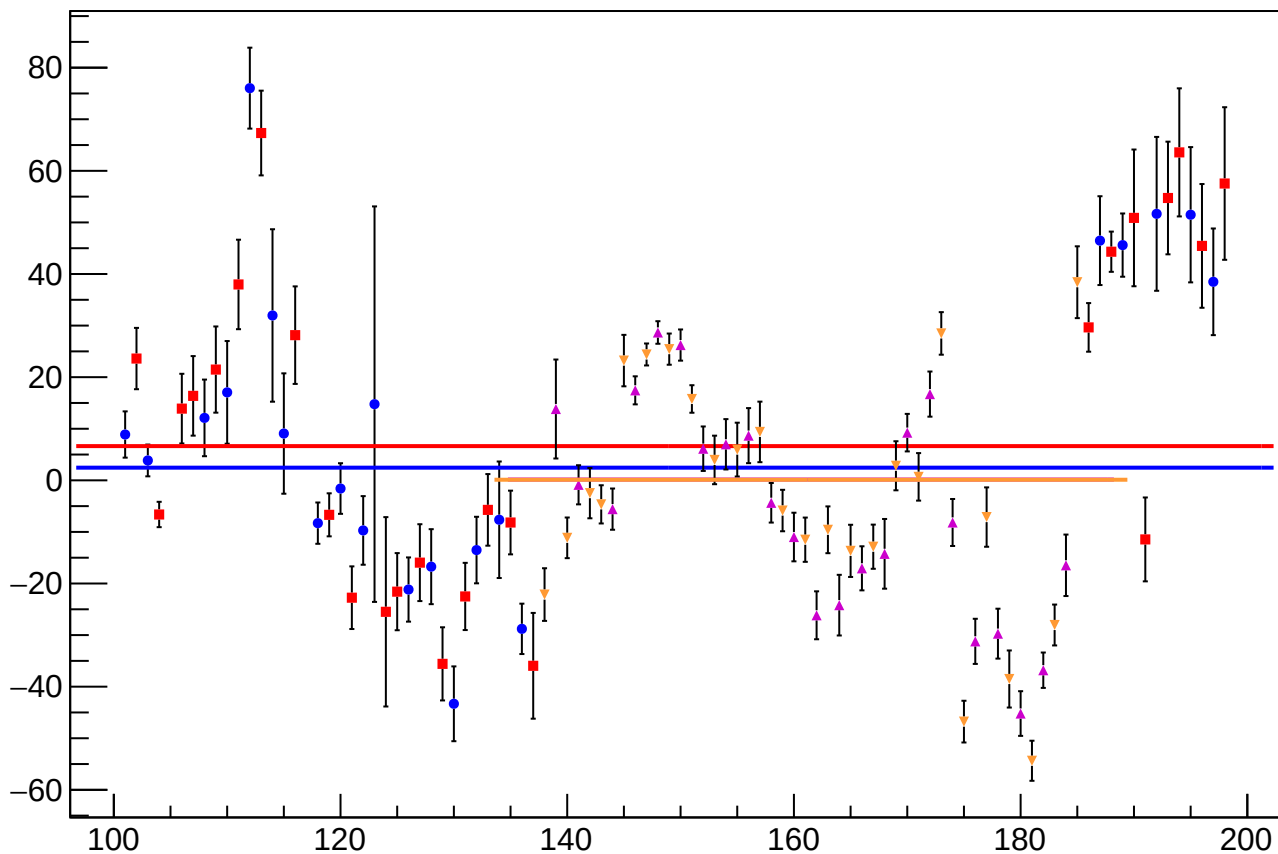
Right: -287.937 ± 1.711 χ^2/NDF : 3639.9/12

In: -209.328 ± 1.037 χ^2/NDF : 4092.3/27

Out: -219.528 ± 0.952 χ^2/NDF : 7920.4/32

All: -214.864 ± 0.701 χ^2/NDF : 12065.2/60

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.457 ± 1.367 χ^2/NDF : 330.6/21

Left Out: 0.116 ± 0.810 χ^2/NDF : 830.1/24

Right Out: 6.636 ± 1.224 χ^2/NDF : 453.9/25

Left In: 0.153 ± 0.836 χ^2/NDF : 719.6/22

Left: 0.134 ± 0.582 χ^2/NDF : 1549.7/47

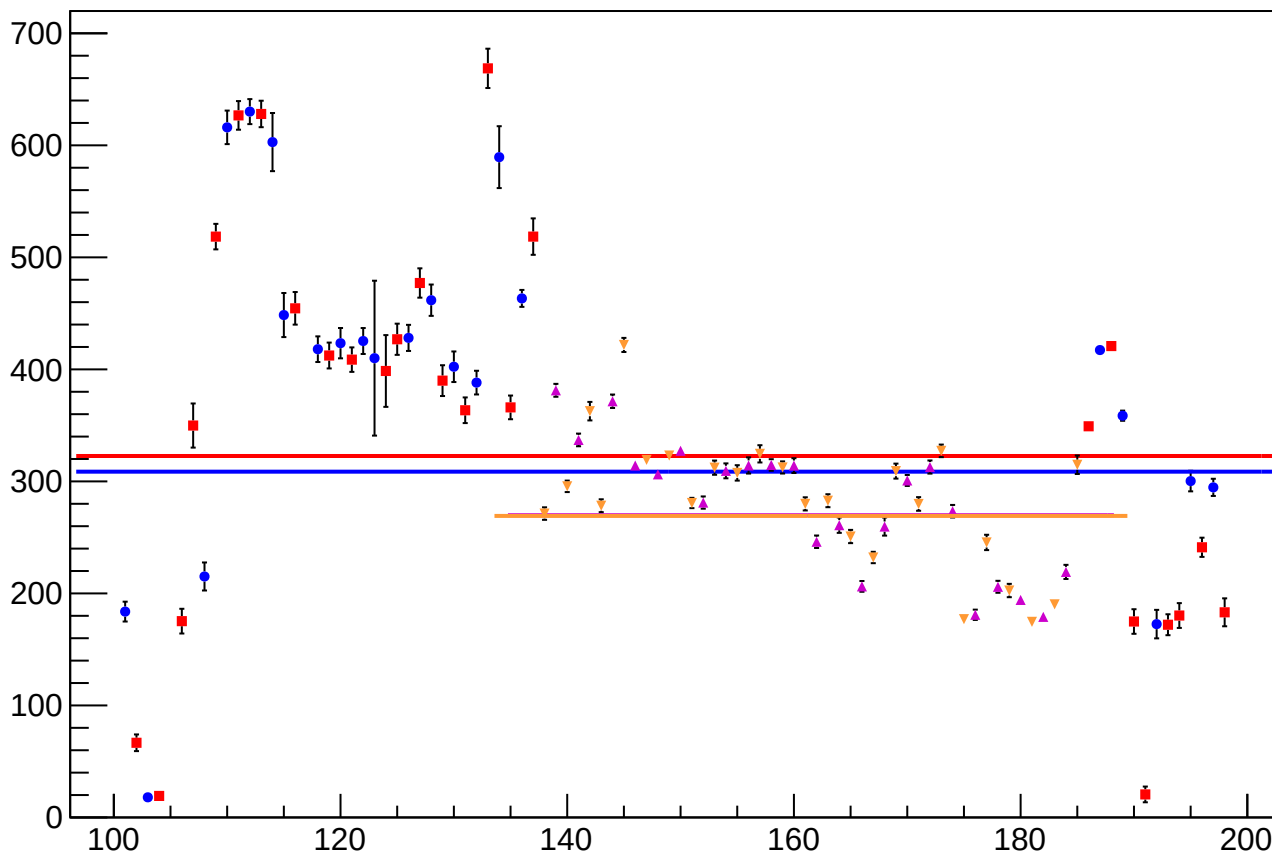
Right: 4.777 ± 0.912 χ^2/NDF : 789.7/47

In: 0.780 ± 0.713 χ^2/NDF : 1052.3/44

Out: 2.104 ± 0.676 χ^2/NDF : 1303.7/50

All: 1.478 ± 0.491 χ^2/NDF : 2357.9/95

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 308.681+/-1.832 χ^2/NDF : 8799.7/21

Left Out: 269.181+/-1.081 χ^2/NDF : 3148.5/24

Right Out: 322.674+/-1.368 χ^2/NDF : 13393.9/25

Left In: 269.798+/-1.087 χ^2/NDF : 3234.9/22

Left: 269.488+/-0.766 χ^2/NDF : 6383.6/47

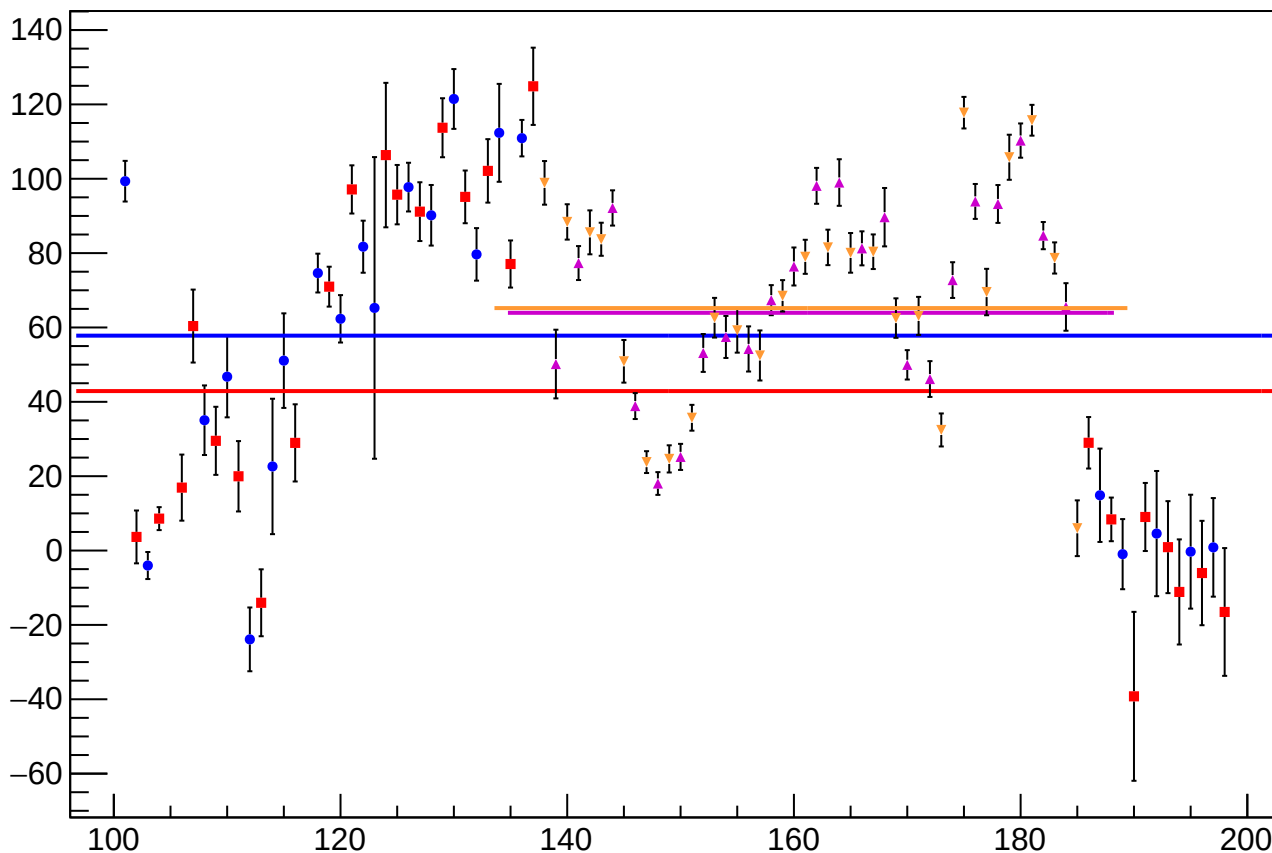
Right: 317.664+/-1.096 χ^2/NDF : 22231.0/47

In: 279.927+/-0.935 χ^2/NDF : 12367.9/44

Out: 289.742+/-0.848 χ^2/NDF : 17483.9/50

All: 285.311+/-0.628 χ^2/NDF : 29912.3/95

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 57.800 ± 1.609 $\chi^2/\text{NDF}: 823.8/21$

Left Out: 65.214 ± 0.938 $\chi^2/\text{NDF}: 1005.7/24$

Right Out: 42.892 ± 1.486 $\chi^2/\text{NDF}: 793.7/25$

Left In: 63.944 ± 0.961 $\chi^2/\text{NDF}: 803.4/22$

Left: 64.594 ± 0.671 $\chi^2/\text{NDF}: 1809.9/47$

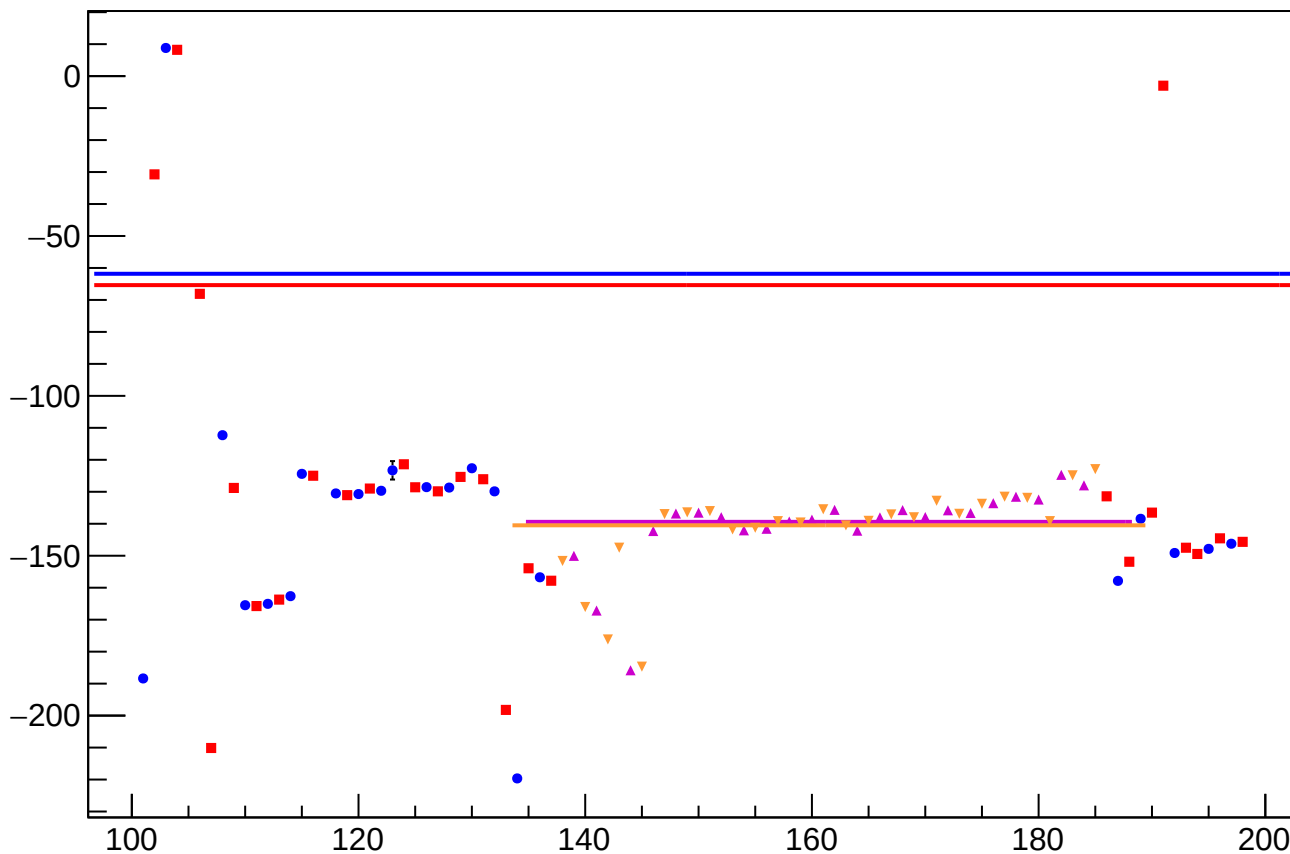
Right: 49.754 ± 1.092 $\chi^2/\text{NDF}: 1663.9/47$

In: 62.330 ± 0.825 $\chi^2/\text{NDF}: 1637.9/44$

Out: 58.853 ± 0.793 $\chi^2/\text{NDF}: 1960.7/50$

All: 60.524 ± 0.572 $\chi^2/\text{NDF}: 3607.9/95$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -61.820 ± 0.067 $\chi^2/\text{NDF}: 1385708.3/21$

Left Out: -140.489 ± 0.045 $\chi^2/\text{NDF}: 77350.7/24$

Right Out: -65.365 ± 0.064 $\chi^2/\text{NDF}: 1282767.6/25$

Left In: -139.406 ± 0.045 $\chi^2/\text{NDF}: 62878.4/22$

Left: -139.949 ± 0.032 $\chi^2/\text{NDF}: 140521.6/47$

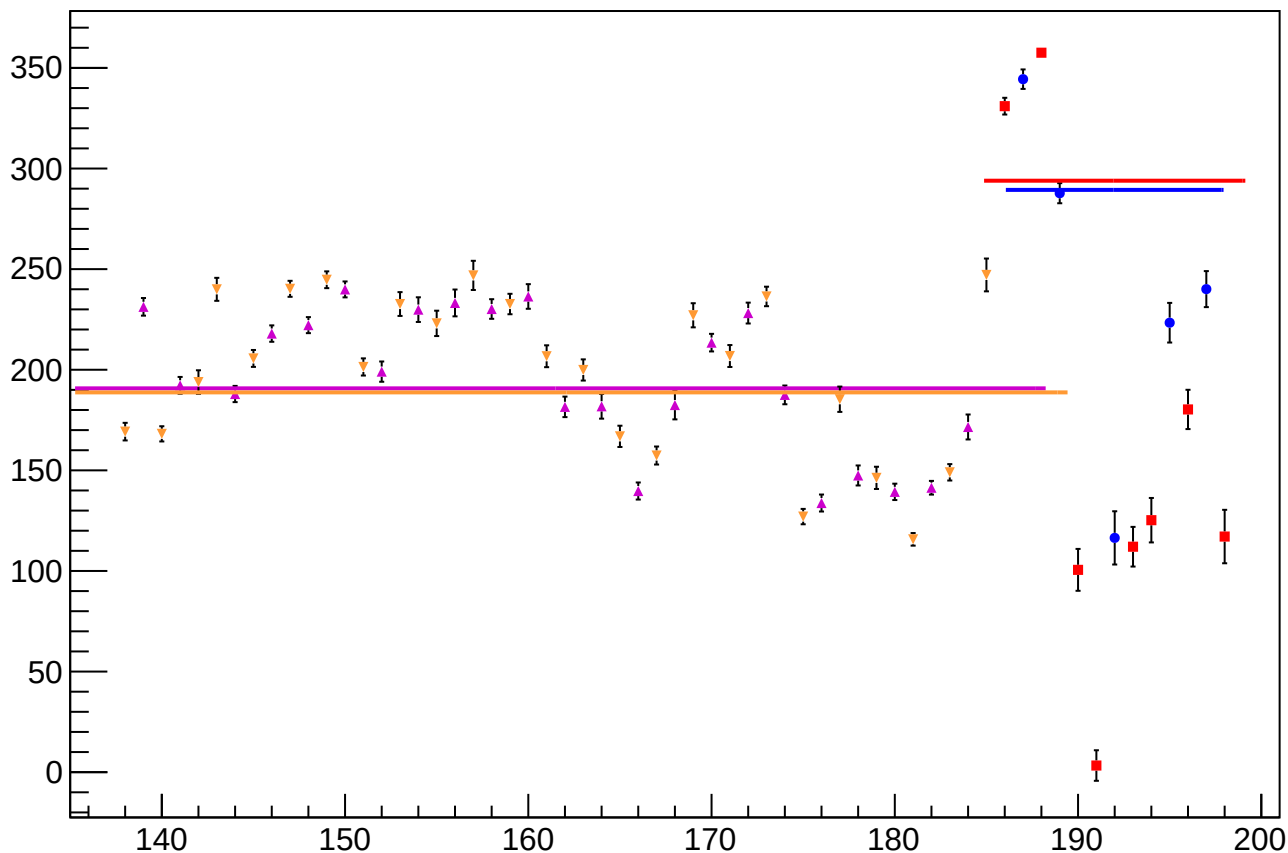
Right: -63.681 ± 0.046 $\chi^2/\text{NDF}: 2669943.2/47$

In: -115.443 ± 0.037 $\chi^2/\text{NDF}: 2373413.1/44$

Out: -115.762 ± 0.037 $\chi^2/\text{NDF}: 2290116.5/50$

All: -115.605 ± 0.026 $\chi^2/\text{NDF}: 4663567.0/95$

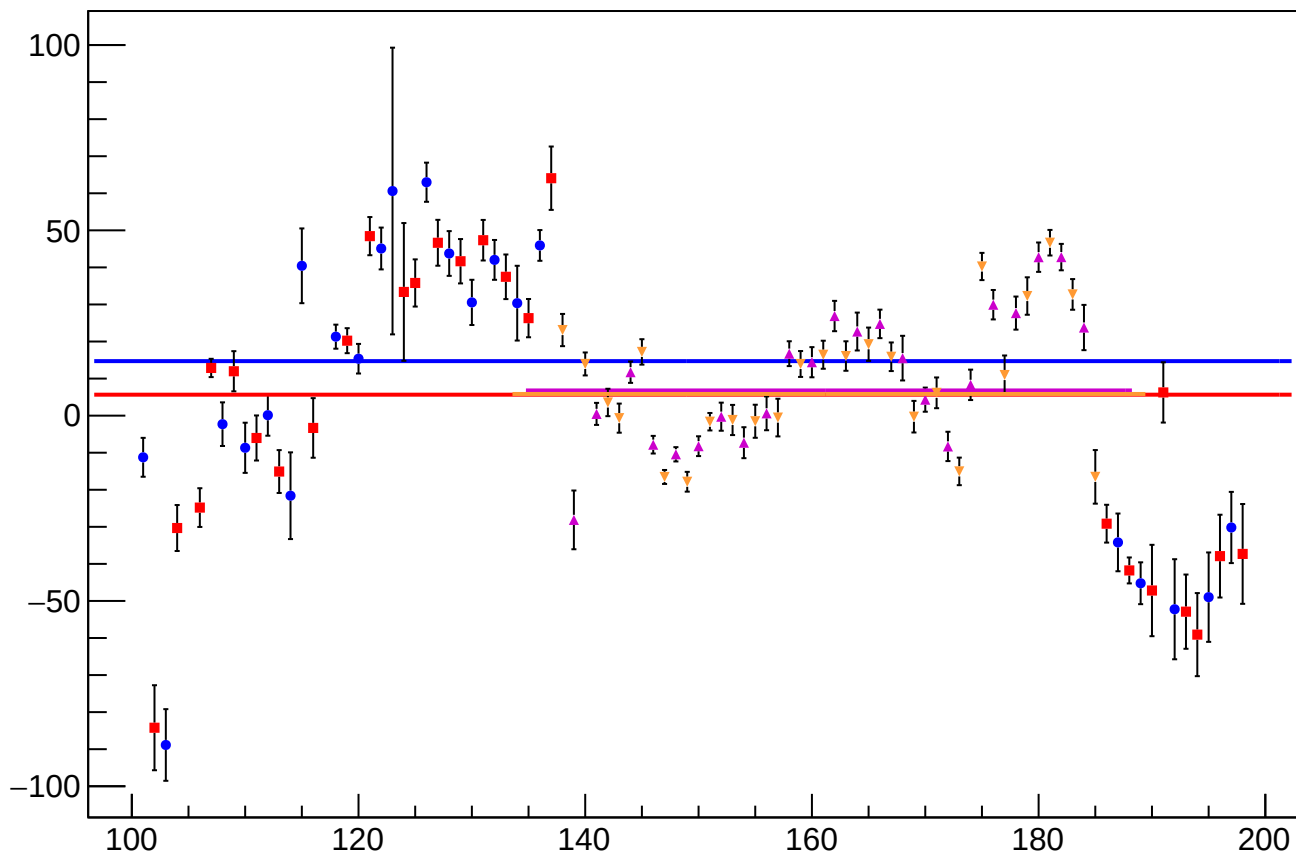
reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 289.384 $\pm$ 2.998 χ^2 /NDF: 375.4/4
 Left Out: 188.749 $\pm$ 0.958 χ^2 /NDF:1968.6/24
 Right Out: 293.951 $\pm$ 1.895 χ^2 /NDF: 3422.5/7
 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: 292.647 $\pm$ 1.602 χ^2 /NDF: 3799.5/12
 In: 200.116 $\pm$ 0.924 χ^2 /NDF:2776.7/27
 Out: 210.166 $\pm$ 0.855 χ^2 /NDF:7845.7/32
 All: 205.529 $\pm$ 0.627 χ^2 /NDF: 10686.1/60

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.712 $\pm$ 1.290 χ^2 /NDF: 642.0/21

Left Out: 5.851 $\pm$ 0.714 χ^2 /NDF:650.6/24

Right Out: 5.656 $\pm$ 1.095 χ^2 /NDF: 839.1/25

Left In: 6.797 $\pm$ 0.735 χ^2 /NDF:525.8/22

Left: 6.311 $\pm$ 0.512 χ^2 /NDF: 1177.3/47

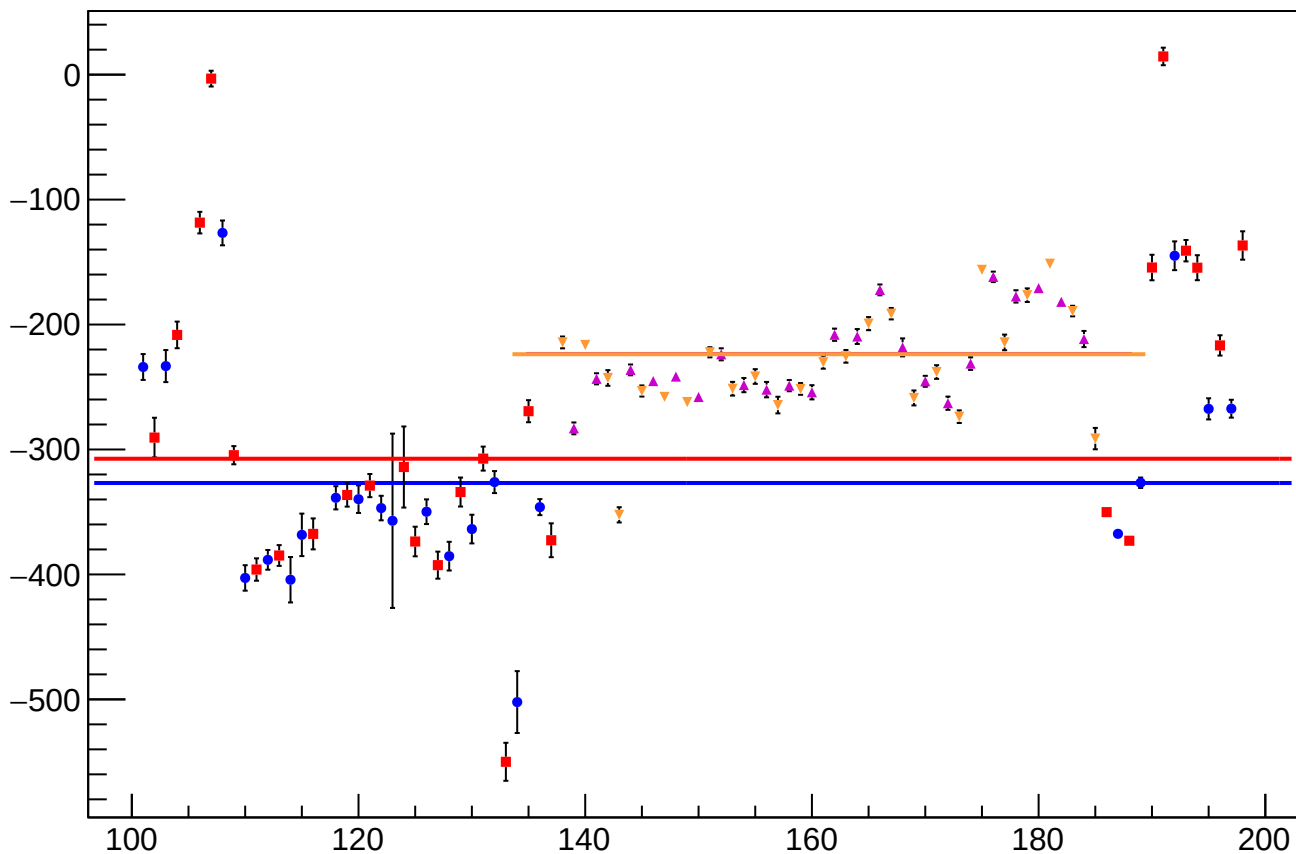
Right: 9.450 $\pm$ 0.835 χ^2 /NDF: 1509.6/47

In: 8.736 $\pm$ 0.638 χ^2 /NDF:1196.2/44

Out: 5.793 $\pm$ 0.598 χ^2 /NDF:1489.7/50

All: 7.169 $\pm$ 0.437 χ^2 /NDF: 2697.2/95

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -326.809 ± 1.783 χ^2/NDF : 1261.3/21

Left Out: -223.752 ± 0.958 χ^2/NDF : 2021.5/24

Right Out: -307.399 ± 1.292 χ^2/NDF : 8020.8/25

Left In: -223.554 ± 0.966 χ^2/NDF : 1286.5/22

Left: -223.654 ± 0.680 χ^2/NDF : 3308.0/47

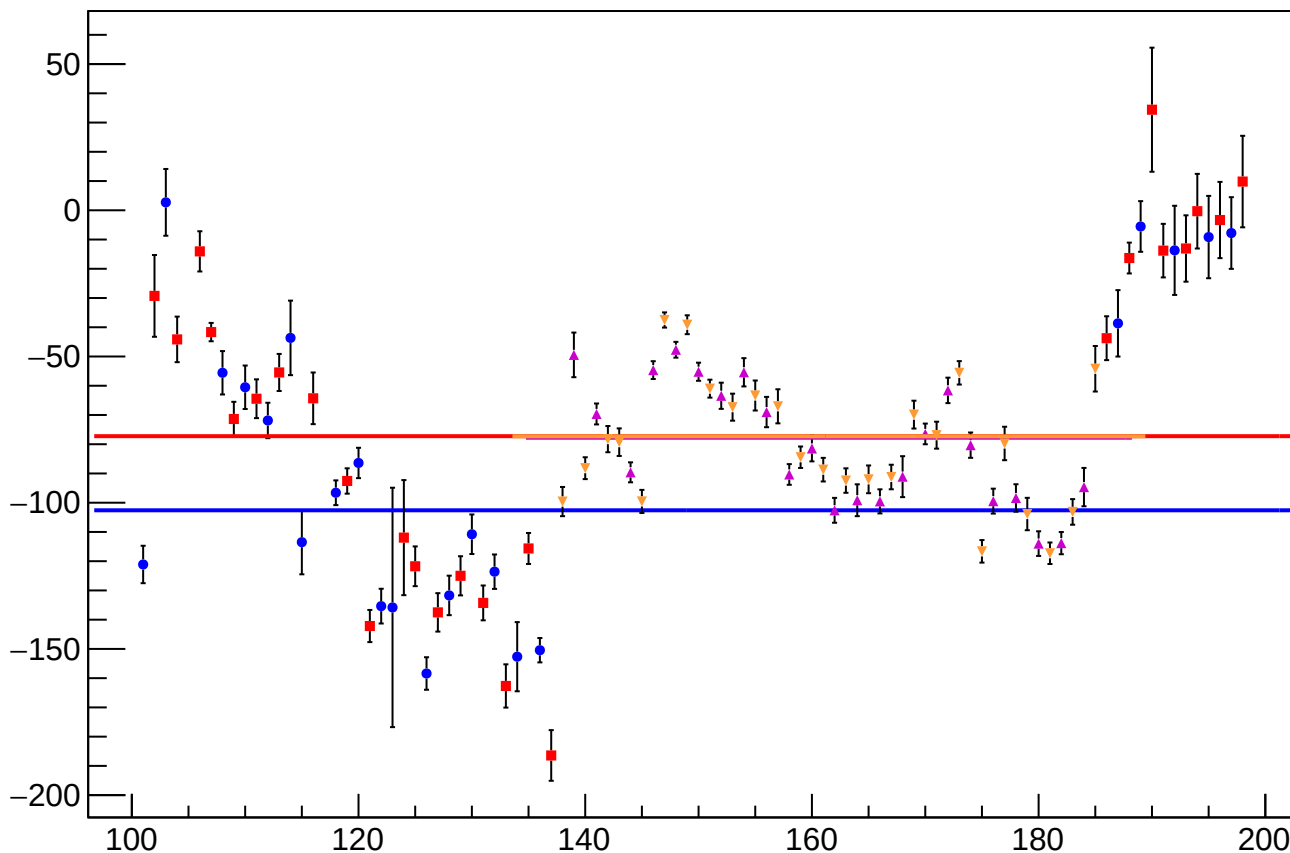
Right: -314.085 ± 1.046 χ^2/NDF : 9359.7/47

In: -246.969 ± 0.849 χ^2/NDF : 5140.9/44

Out: -253.412 ± 0.770 χ^2/NDF : 12745.8/50

All: -250.506 ± 0.570 χ^2/NDF : 17918.3/95

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -102.595 ± 1.509 $\chi^2/\text{NDF}: 835.3/21$

Left Out: -77.296 ± 0.829 $\chi^2/\text{NDF}: 844.6/24$

Right Out: -77.247 ± 1.317 $\chi^2/\text{NDF}: 1391.4/25$

Left In: -77.777 ± 0.847 $\chi^2/\text{NDF}: 624.5/22$

Left: -77.531 ± 0.592 $\chi^2/\text{NDF}: 1469.2/47$

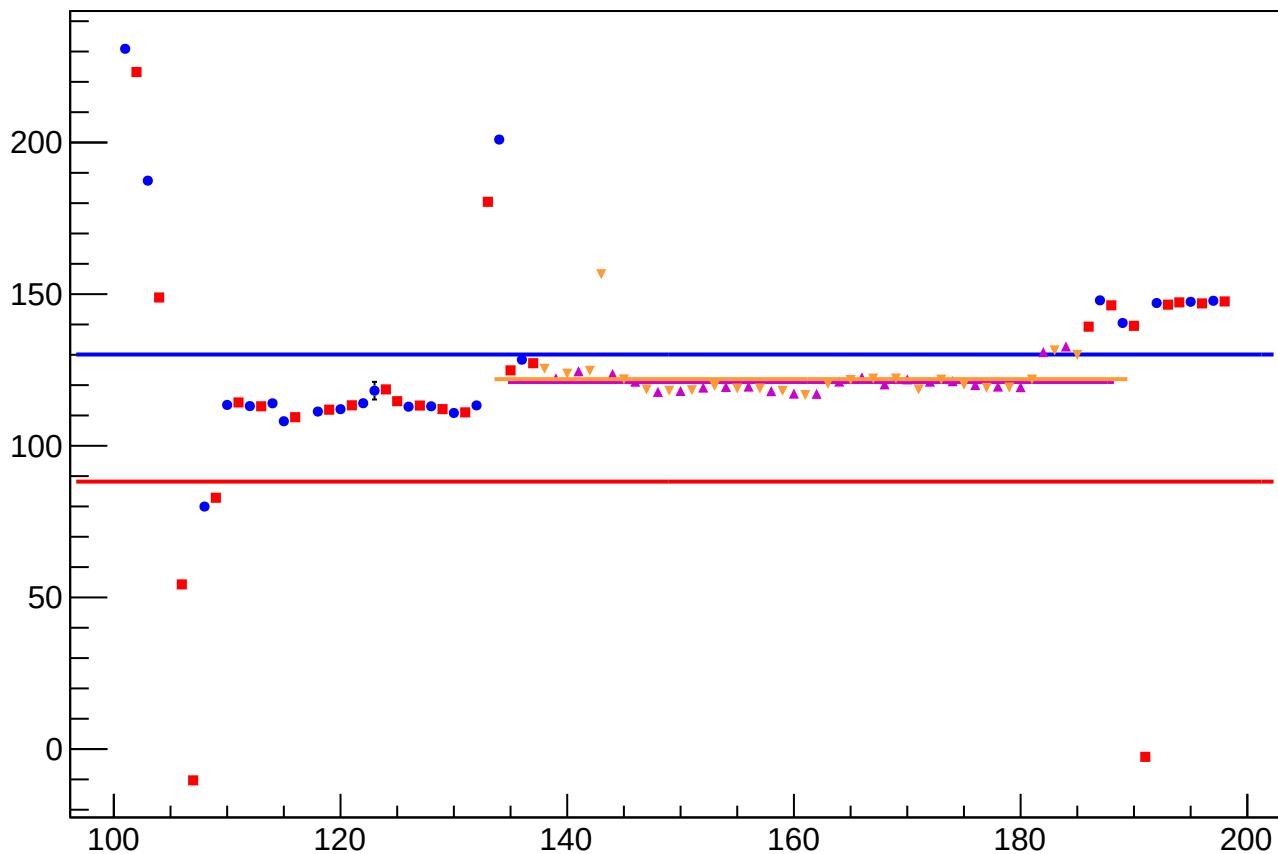
Right: -88.199 ± 0.992 $\chi^2/\text{NDF}: 2386.9/47$

In: -83.717 ± 0.738 $\chi^2/\text{NDF}: 1665.4/44$

Out: -77.282 ± 0.701 $\chi^2/\text{NDF}: 2236.0/50$

All: -80.334 ± 0.509 $\chi^2/\text{NDF}: 3941.3/95$

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 130.098 $\pm$ 0.082 χ^2/NDF : 195116.6/21

Left Out: 121.972 $\pm$ 0.039 χ^2/NDF : 27431.1/24

Right Out: 88.189 $\pm$ 0.065 χ^2/NDF : 1033985.7/25

Left In: 121.045 $\pm$ 0.040 χ^2/NDF : 7903.5/22

Left: 121.510 $\pm$ 0.028 χ^2/NDF : 35609.5/47

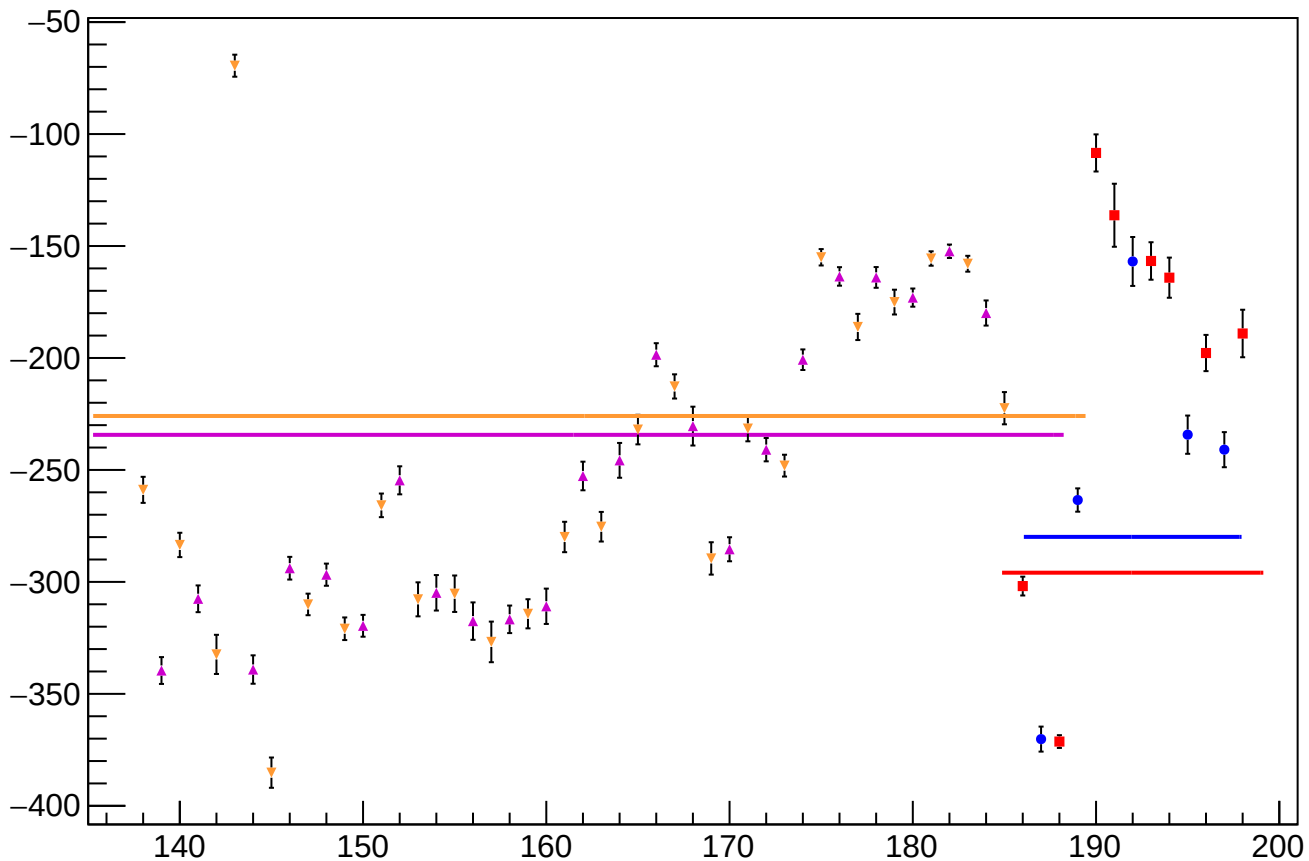
Right: 104.488 $\pm$ 0.051 χ^2/NDF : 1389797.0/47

In: 122.764 $\pm$ 0.036 χ^2/NDF : 212960.1/44

Out: 112.904 $\pm$ 0.034 χ^2/NDF : 1257839.5/50

All: 117.574 $\pm$ 0.025 χ^2/NDF : 1511159.3/95

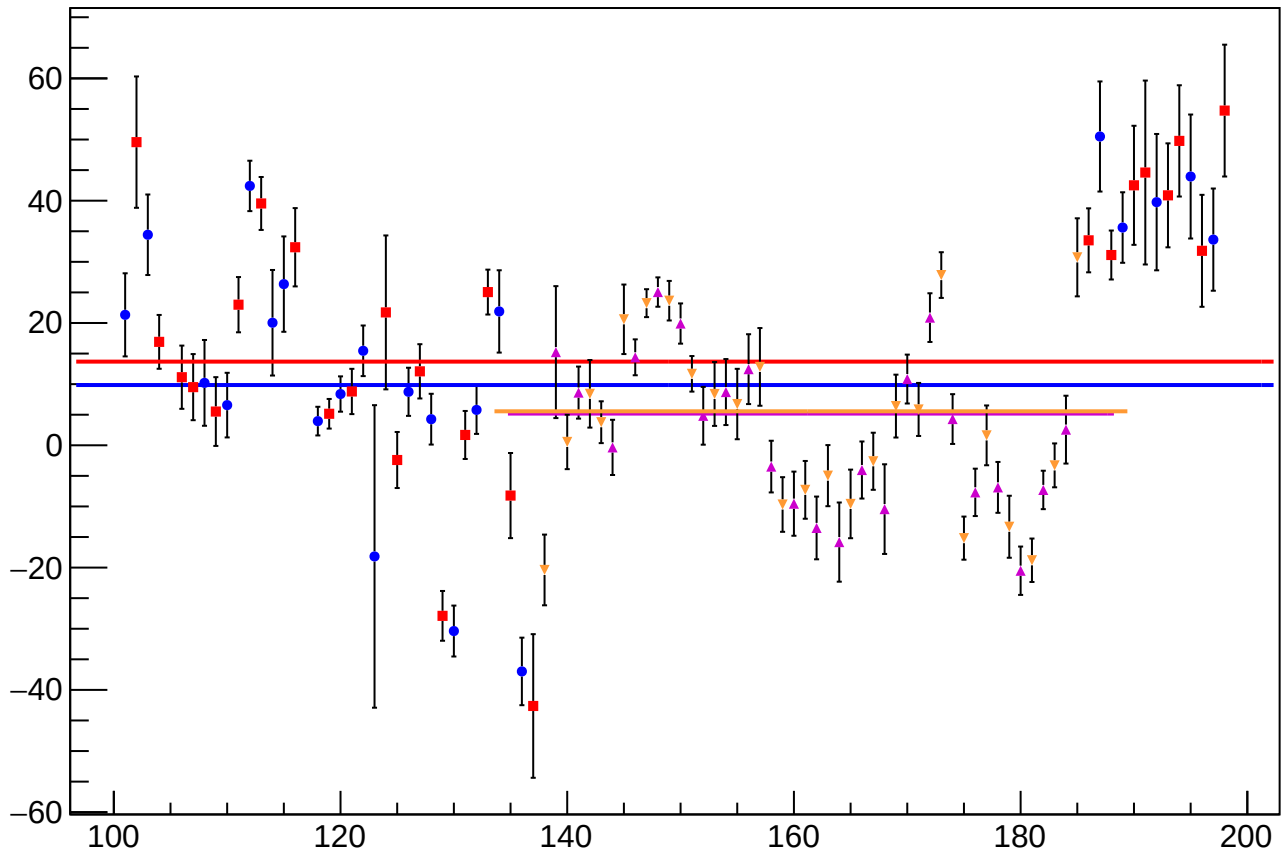
reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -279.893 ± 3.053 $\chi^2/\text{NDF}: 451.5/4$
 Left Out: -225.905 ± 1.083 $\chi^2/\text{NDF}: 4669.2/24$
 Right Out: -295.887 ± 2.000 $\chi^2/\text{NDF}: 2082.0/7$
 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: -291.084 ± 1.673 $\chi^2/\text{NDF}: 2552.8/12$
 In: -239.600 ± 1.038 $\chi^2/\text{NDF}: 4240.5/27$
 Out: -241.782 ± 0.953 $\chi^2/\text{NDF}: 7697.7/32$
 All: -240.785 ± 0.702 $\chi^2/\text{NDF}: 11940.6/60$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.854 ± 1.039 χ^2/NDF : 333.6/21

Left Out: 5.558 ± 0.832 χ^2/NDF : 313.4/24

Right Out: 13.683 ± 0.987 χ^2/NDF : 337.0/25

Left In: 5.186 ± 0.867 χ^2/NDF : 243.2/22

Left: 5.380 ± 0.600 χ^2/NDF : 556.7/47

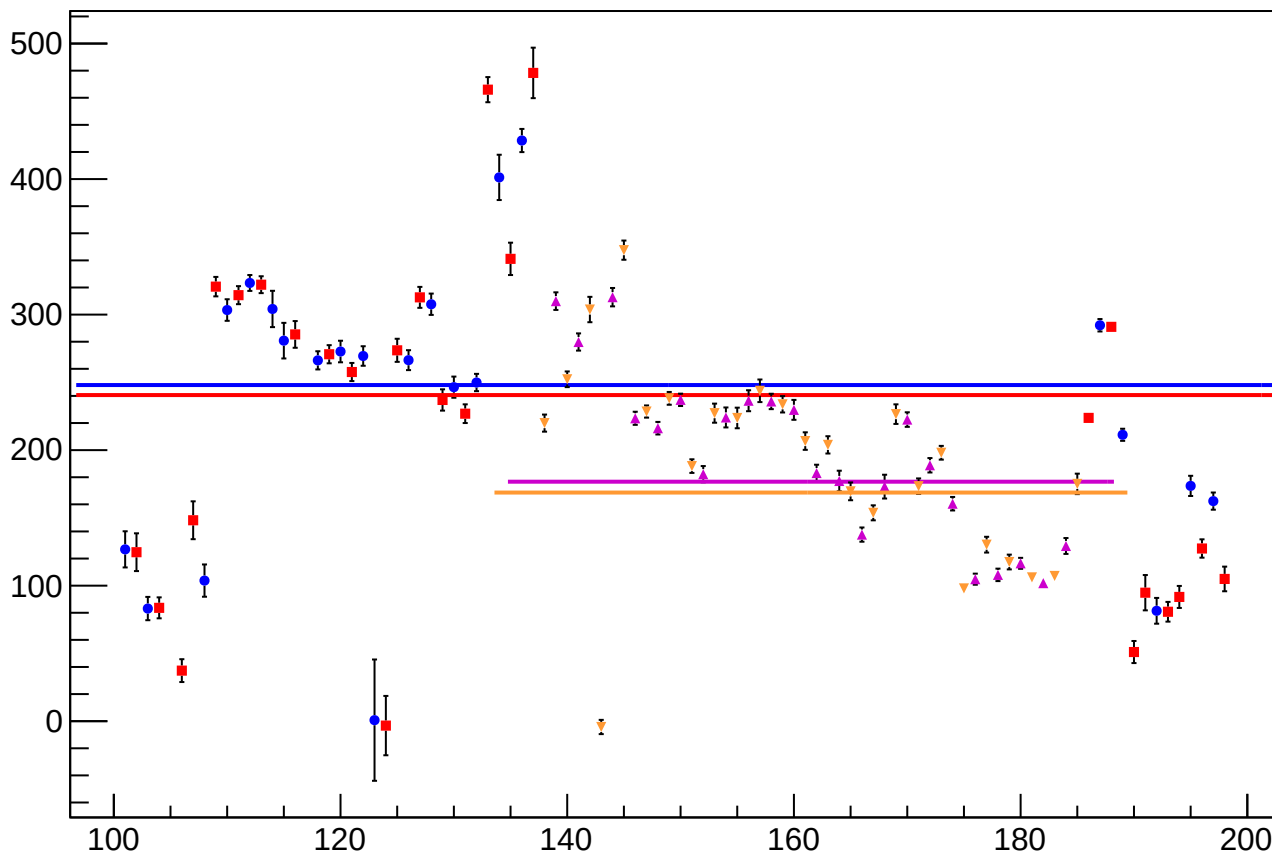
Right: 11.867 ± 0.716 χ^2/NDF : 677.7/47

In: 7.101 ± 0.666 χ^2/NDF : 588.7/44

Out: 8.932 ± 0.636 χ^2/NDF : 690.0/50

All: 8.058 ± 0.460 χ^2/NDF : 1282.6/95

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 248.024 $\pm$ 1.612 χ^2 /NDF: 2233.4/21

Left Out: 168.699 $\pm$ 1.086 χ^2 /NDF:4238.2/24

Right Out: 240.631 $\pm$ 1.269 χ^2 /NDF: 5119.4/25

Left In: 176.711 $\pm$ 1.102 χ^2 /NDF:3234.3/22

Left: 172.648 $\pm$ 0.774 χ^2 /NDF: 7499.3/47

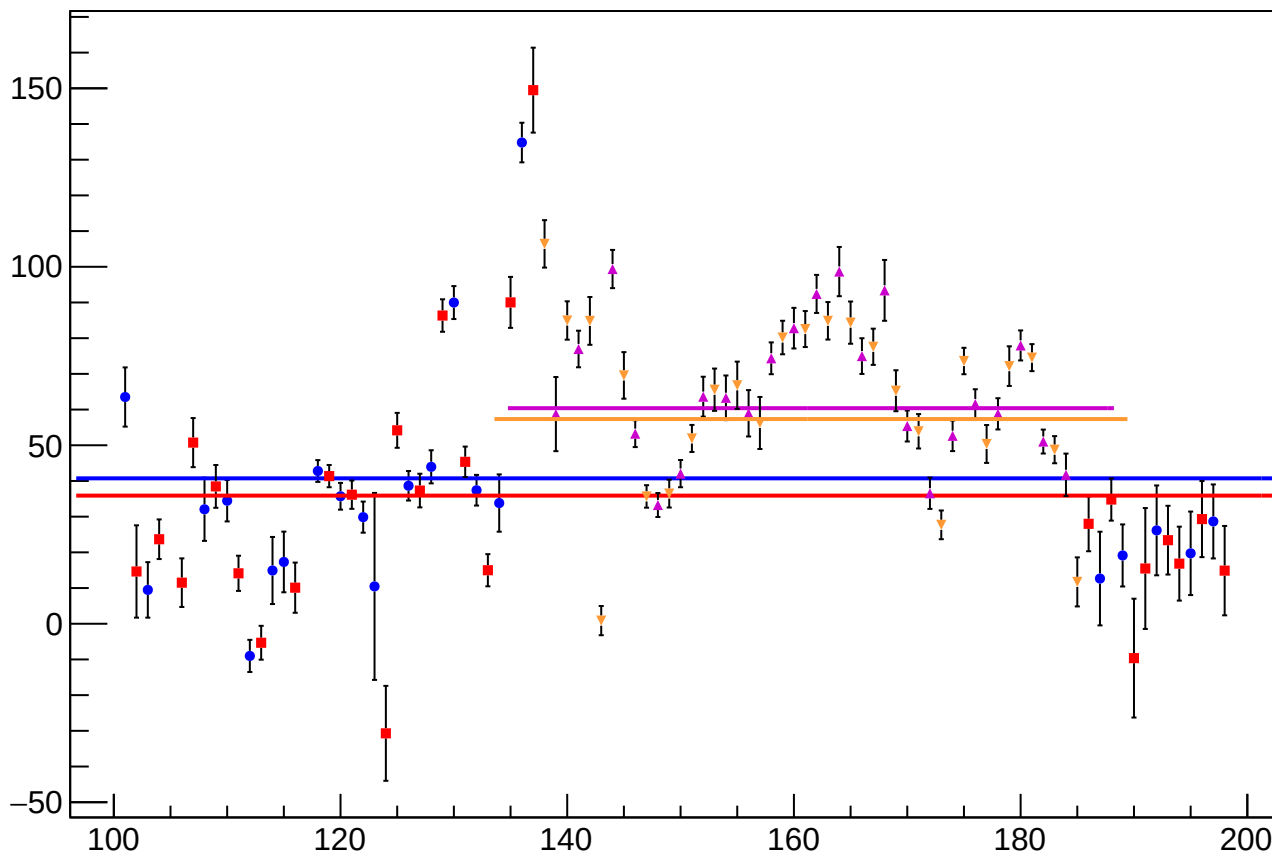
Right: 243.458 $\pm$ 0.997 χ^2 /NDF: 7365.8/47

In: 199.417 $\pm$ 0.910 χ^2 /NDF:6801.4/44

Out: 199.135 $\pm$ 0.825 χ^2 /NDF:11212.4/50

All: 199.262 $\pm$ 0.611 χ^2 /NDF: 18013.8/95

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.735 $\pm$ 1.216 χ^2 /NDF: 593.3/21

Left Out: 57.343 $\pm$ 0.956 χ^2 /NDF:641.5/24

Right Out: 35.895 $\pm$ 1.162 χ^2 /NDF: 492.2/25

Left In: 60.392 $\pm$ 0.987 χ^2 /NDF:341.2/22

Left: 58.819 $\pm$ 0.687 χ^2 /NDF: 987.6/47

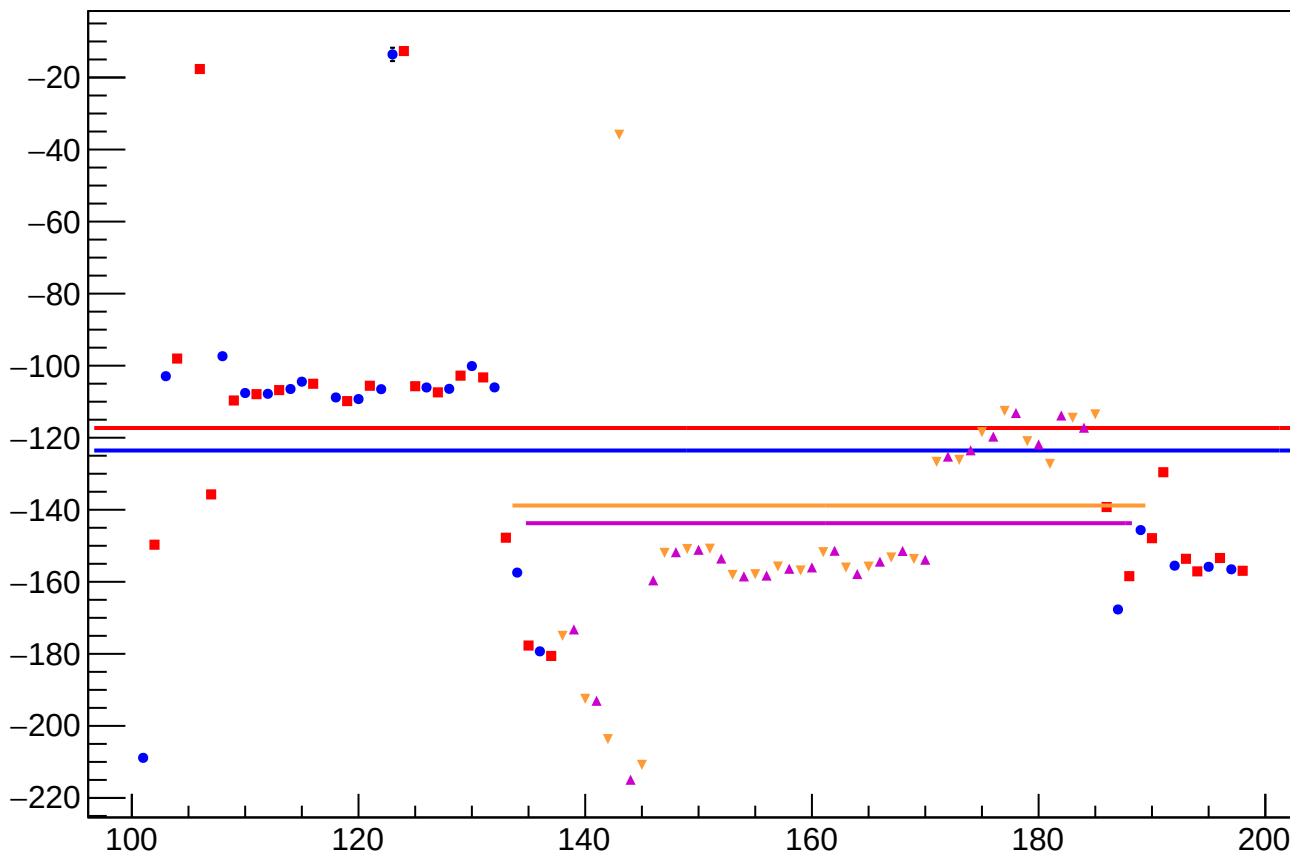
Right: 38.205 $\pm$ 0.840 χ^2 /NDF: 1093.7/47

In: 52.582 $\pm$ 0.766 χ^2 /NDF:1092.0/44

Out: 48.682 $\pm$ 0.738 χ^2 /NDF:1336.8/50

All: 50.559 $\pm$ 0.532 χ^2 /NDF: 2442.3/95

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -123.552+/-0.071 χ^2/NDF : 179341.3/21

Left Out: -138.821+/-0.045 χ^2/NDF : 525537.6/24

Right Out: -117.301+/-0.063 χ^2/NDF : 425181.2/25

Left In: -143.726+/-0.046 χ^2/NDF : 260994.5/22

Left: -141.241+/-0.032 χ^2/NDF : 792316.4/47

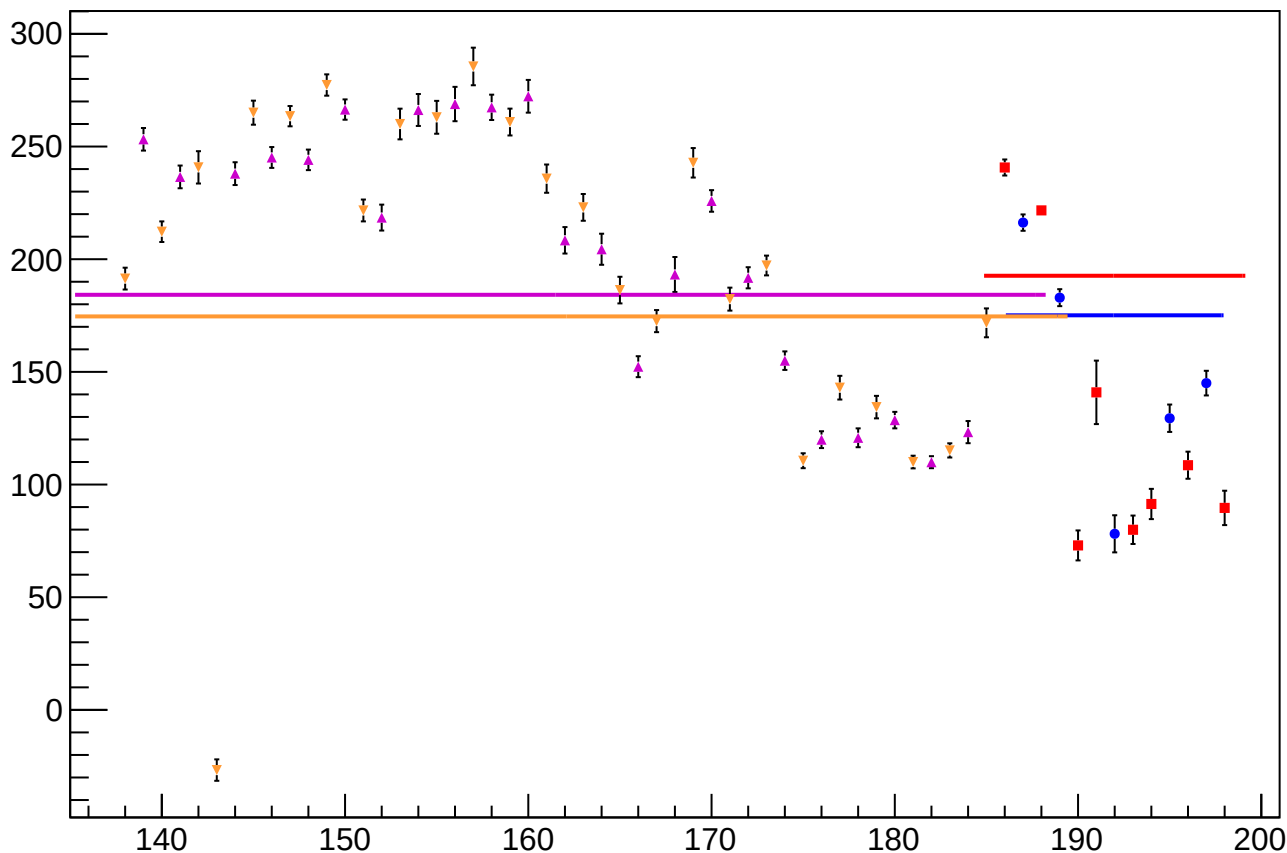
Right: -120.051+/-0.047 χ^2/NDF : 608829.1/47

In: -137.812+/-0.039 χ^2/NDF : 496947.3/44

Out: -131.512+/-0.037 χ^2/NDF : 1027355.8/50

All: -134.513+/-0.027 χ^2/NDF : 1538254.3/95

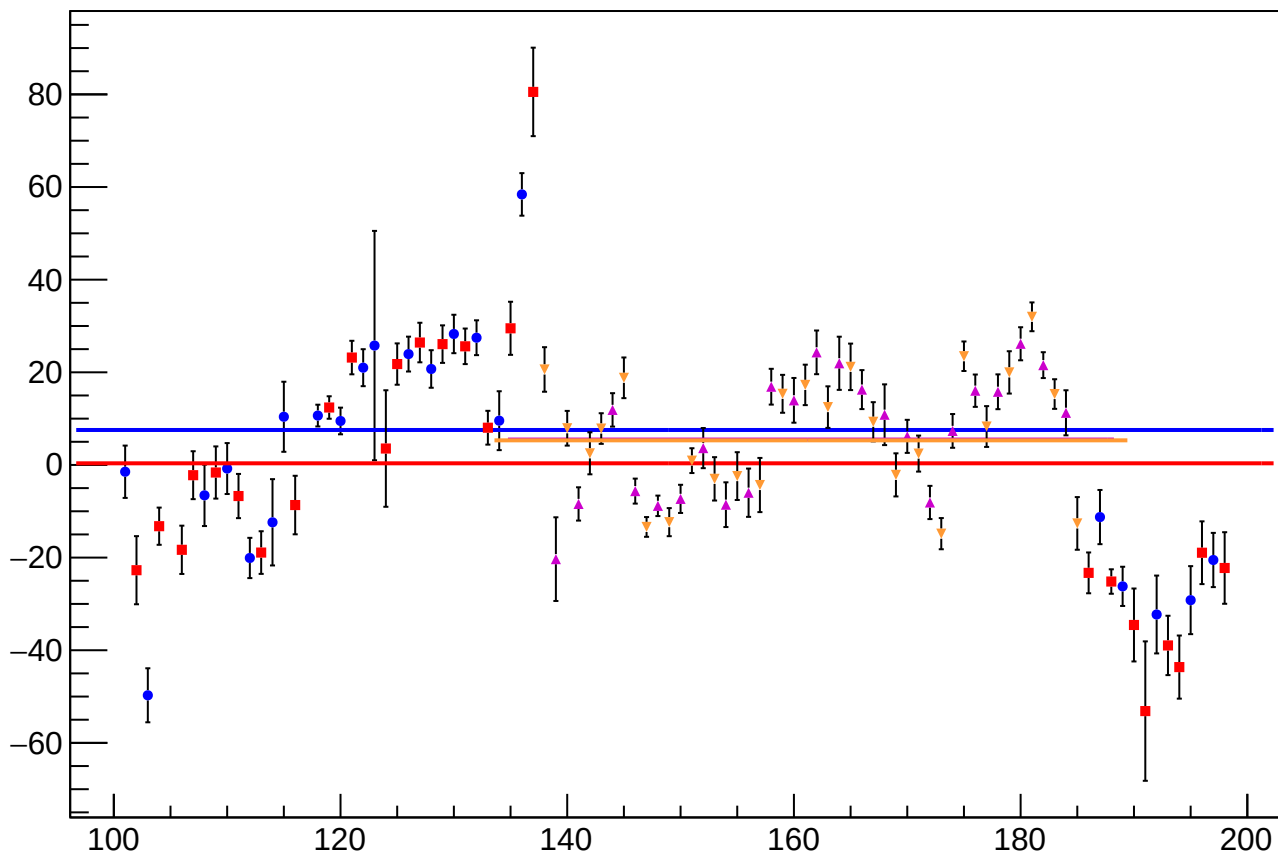
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 175.104 $\pm$ 2.124 χ^2 /NDF: 358.1/4
 Left Out: 174.613 $\pm$ 0.969 χ^2 /NDF:5551.3/24
 Right Out: 192.657 $\pm$ 1.433 χ^2 /NDF: 1686.7/7
 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: 187.165 $\pm$ 1.188 χ^2 /NDF: 2091.7/12
 In: 182.589 $\pm$ 0.895 χ^2 /NDF:4010.3/27
 Out: 180.272 $\pm$ 0.803 χ^2 /NDF:7346.7/32
 All: 181.305 $\pm$ 0.598 χ^2 /NDF: 11360.7/60

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.549 ± 0.979 χ^2/NDF : 514.7/21

Left Out: 5.314 ± 0.750 χ^2/NDF : 345.1/24

Right Out: 0.355 ± 0.911 χ^2/NDF : 616.0/25

Left In: 5.483 ± 0.779 χ^2/NDF : 259.1/22

Left: 5.396 ± 0.540 χ^2/NDF : 604.2/47

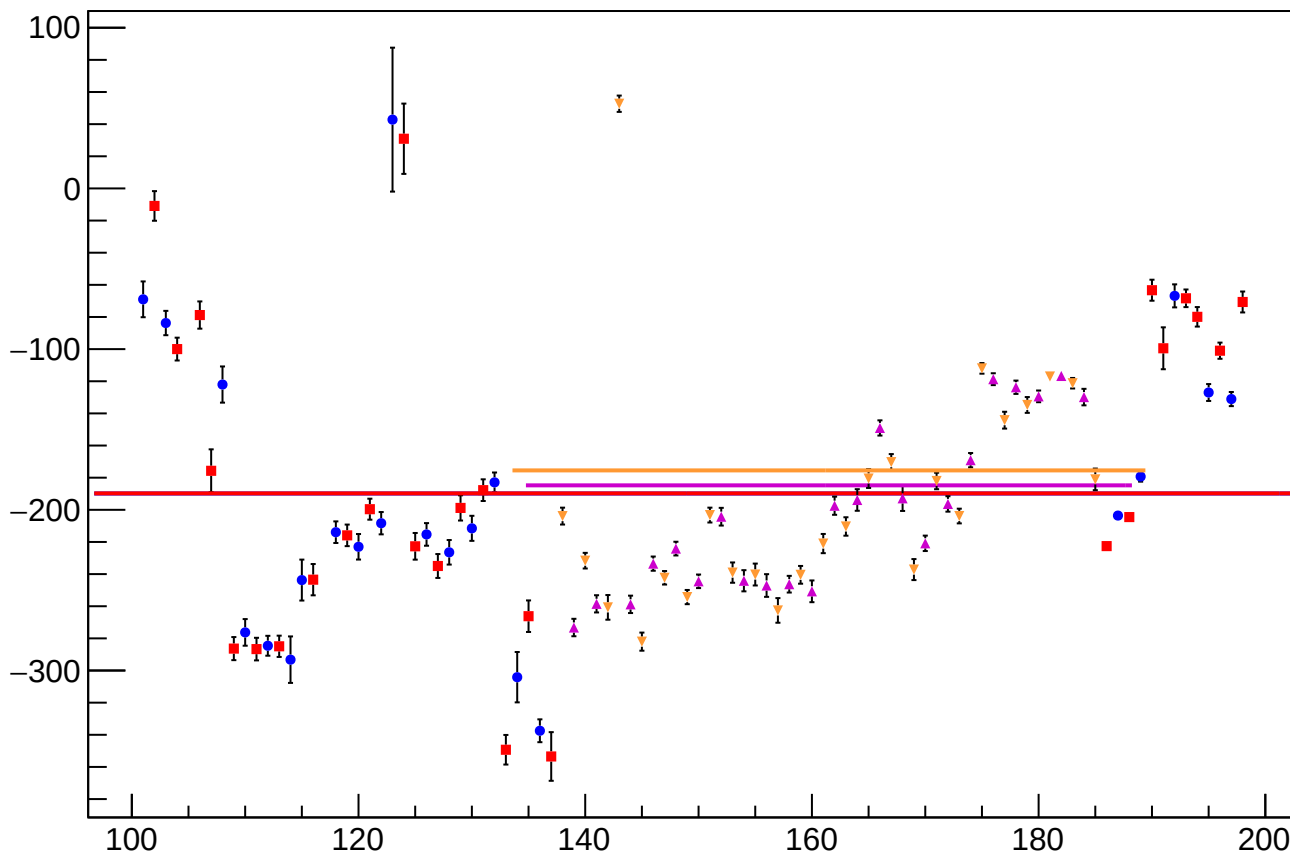
Right: 3.695 ± 0.667 χ^2/NDF : 1159.7/47

In: 6.285 ± 0.609 χ^2/NDF : 776.5/44

Out: 3.309 ± 0.579 χ^2/NDF : 978.8/50

All: 4.721 ± 0.420 χ^2/NDF : 1767.8/95

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -189.851 ± 1.326 $\chi^2/\text{NDF}: 2005.3/21$

Left Out: -175.470 ± 0.974 $\chi^2/\text{NDF}: 5103.8/24$

Right Out: -189.767 ± 1.005 $\chi^2/\text{NDF}: 4083.3/25$

Left In: -184.774 ± 0.987 $\chi^2/\text{NDF}: 3082.4/22$

Left: -180.060 ± 0.693 $\chi^2/\text{NDF}: 8231.2/47$

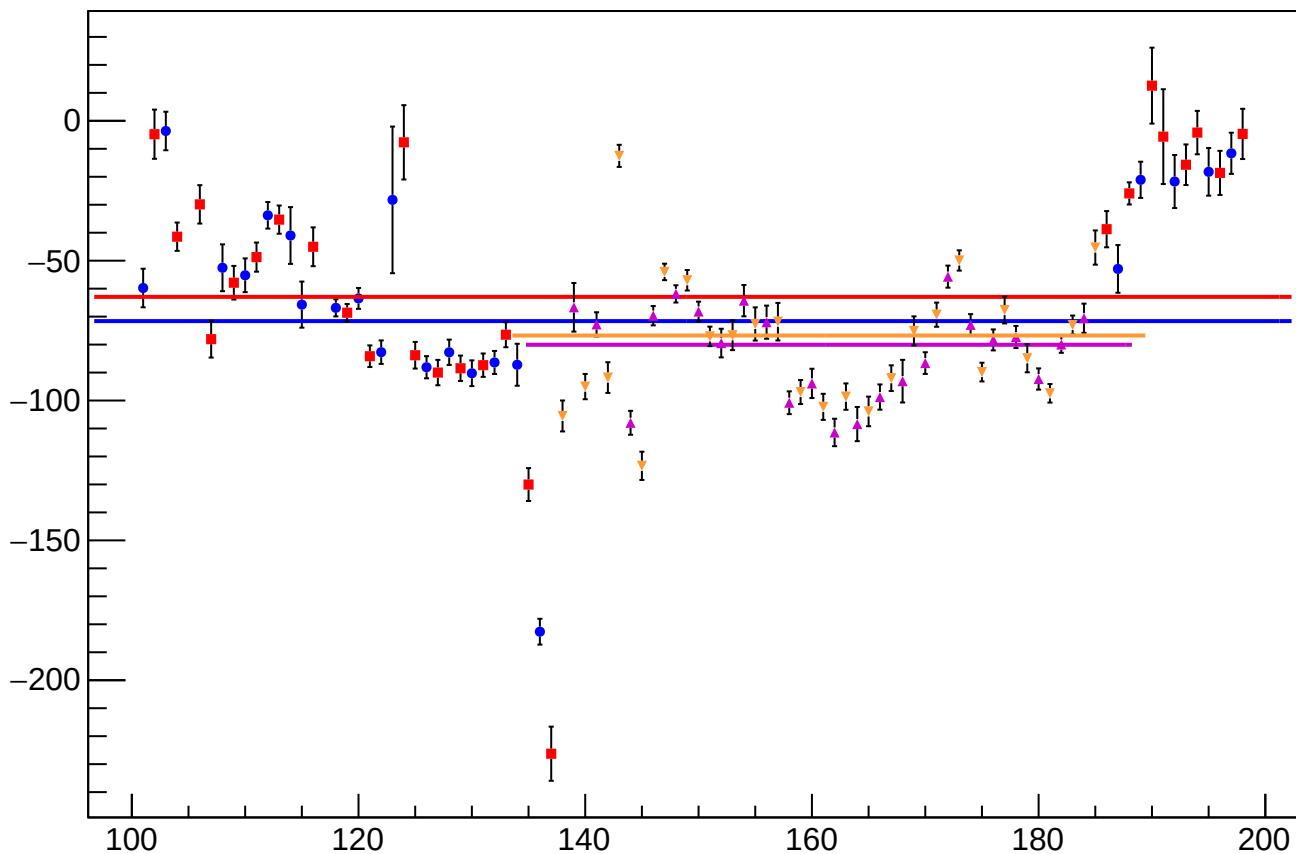
Right: -189.798 ± 0.801 $\chi^2/\text{NDF}: 6088.6/47$

In: -186.583 ± 0.792 $\chi^2/\text{NDF}: 5097.1/44$

Out: -182.396 ± 0.699 $\chi^2/\text{NDF}: 9291.5/50$

All: -184.231 ± 0.524 $\chi^2/\text{NDF}: 14404.3/95$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -71.601 ± 1.152 $\chi^2/\text{NDF}: 1038.5/21$

Left Out: -76.747 ± 0.861 $\chi^2/\text{NDF}: 746.8/24$

Right Out: -62.935 ± 1.088 $\chi^2/\text{NDF}: 1047.9/25$

Left In: -80.068 ± 0.886 $\chi^2/\text{NDF}: 286.8/22$

Left: -78.359 ± 0.617 $\chi^2/\text{NDF}: 1040.8/47$

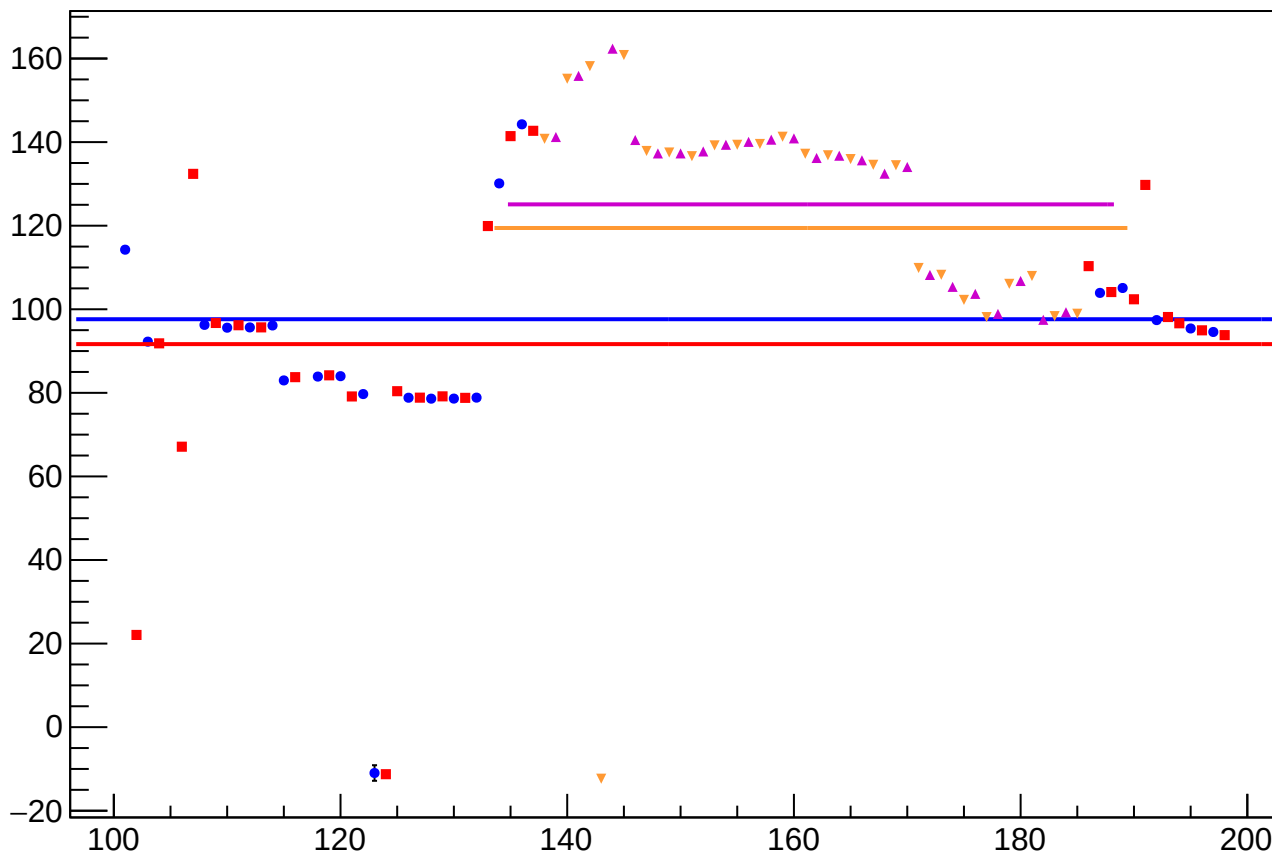
Right: -67.021 ± 0.791 $\chi^2/\text{NDF}: 2116.3/47$

In: -76.920 ± 0.702 $\chi^2/\text{NDF}: 1359.3/44$

Out: -71.431 ± 0.675 $\chi^2/\text{NDF}: 1893.8/50$

All: -74.066 ± 0.487 $\chi^2/\text{NDF}: 3284.8/95$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.617 $\pm$ 0.064 χ^2 /NDF: 95526.0/21

Left Out: 119.448 $\pm$ 0.041 χ^2 /NDF: 660075.8/24

Right Out: 91.661 $\pm$ 0.056 χ^2 /NDF: 240041.5/25

Left In: 125.101 $\pm$ 0.041 χ^2 /NDF: 222793.3/22

Left: 122.242 $\pm$ 0.029 χ^2 /NDF: 892441.6/47

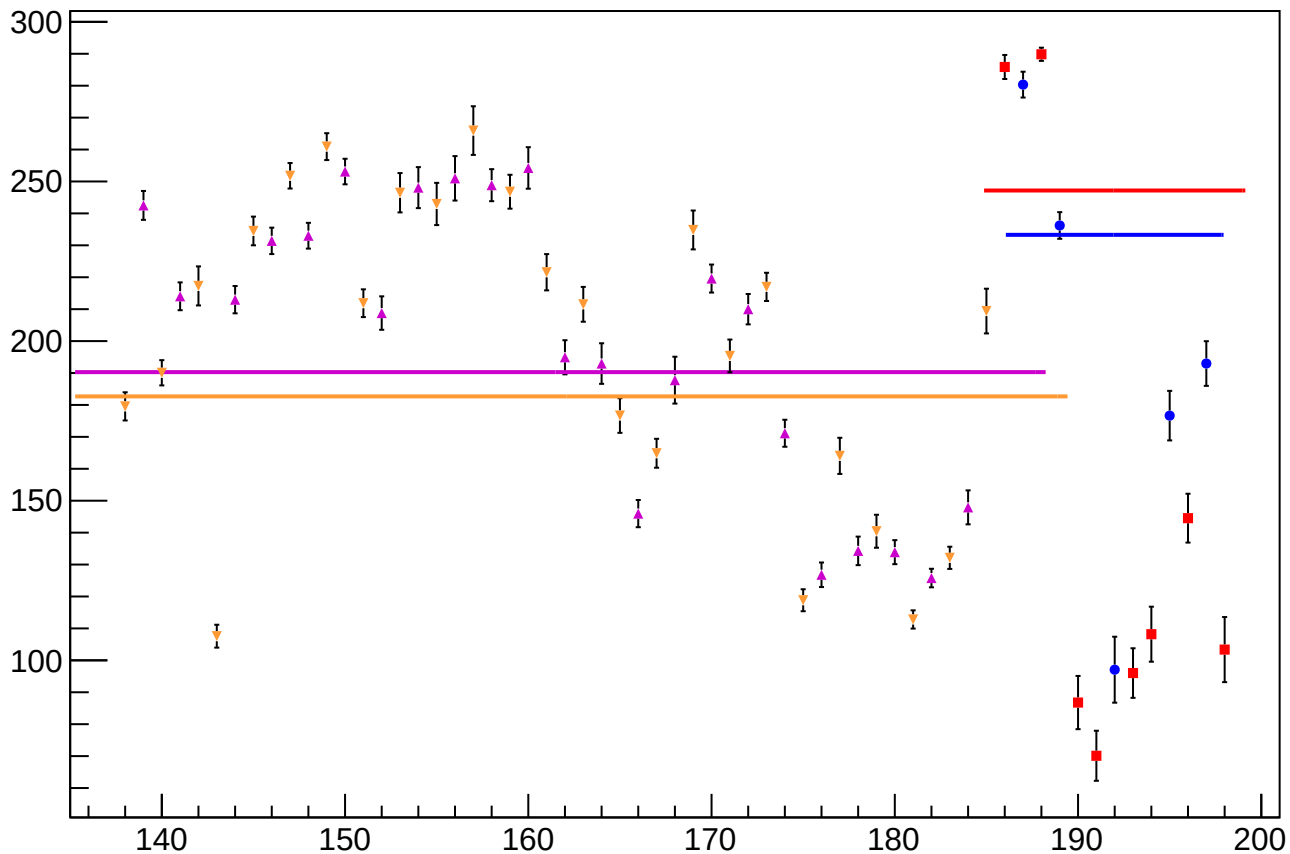
Right: 94.231 $\pm$ 0.042 χ^2 /NDF: 340493.9/47

In: 117.074 $\pm$ 0.035 χ^2 /NDF: 448932.2/44

Out: 109.809 $\pm$ 0.033 χ^2 /NDF: 1062397.3/50

All: 113.253 $\pm$ 0.024 χ^2 /NDF: 1534547.8/95

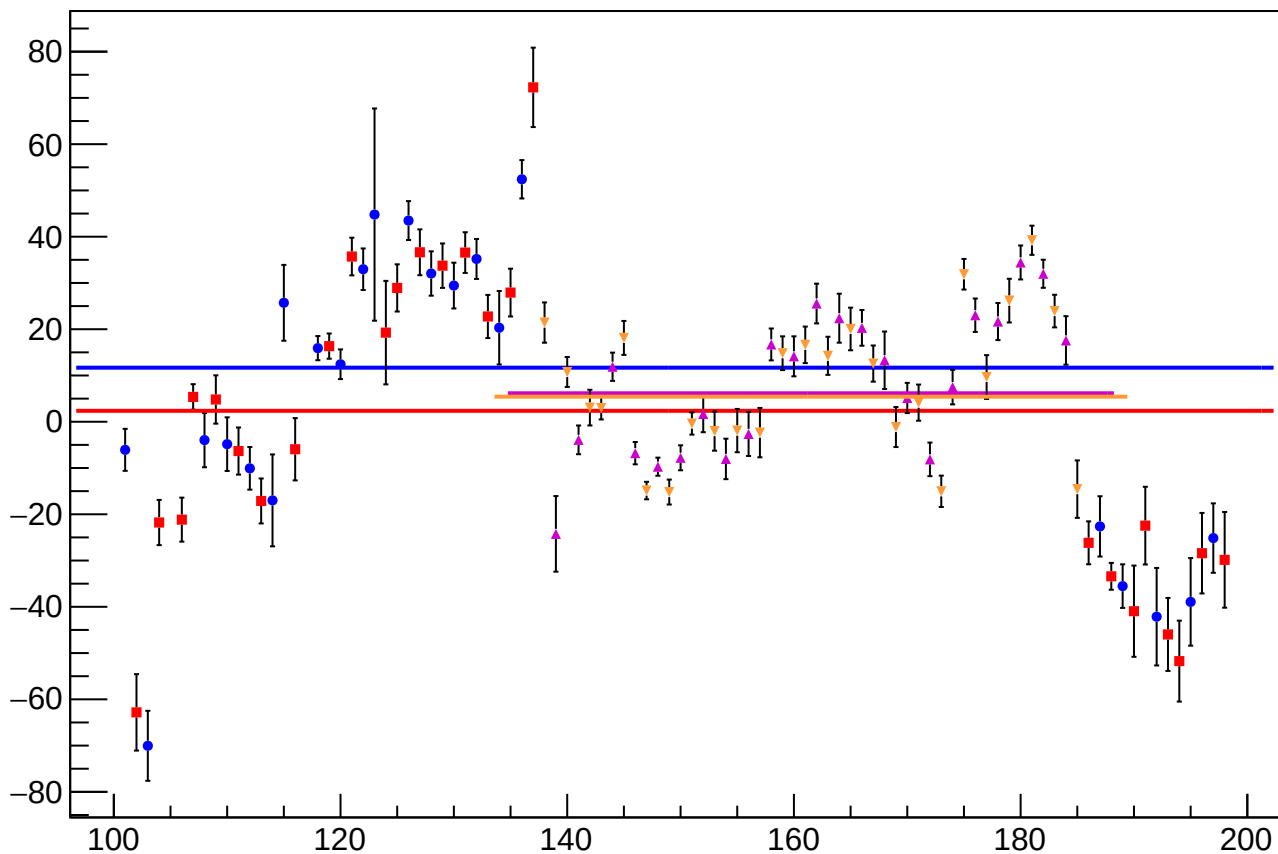
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 233.284 ± 2.463 $\chi^2/\text{NDF}: 396.1/4$
 Left Out: 182.672 ± 0.919 $\chi^2/\text{NDF}: 3230.7/24$
 Right Out: 247.173 ± 1.598 $\chi^2/\text{NDF}: 2429.6/7$
 Left In: 190.279 ± 0.949 $\chi^2/\text{NDF}: 2452.9/22$

Left: 186.352 ± 0.660 $\chi^2/\text{NDF}: 5716.7/47$
 Right: 243.060 ± 1.340 $\chi^2/\text{NDF}: 2848.1/12$
 In: 195.837 ± 0.885 $\chi^2/\text{NDF}: 3114.4/27$
 Out: 198.694 ± 0.796 $\chi^2/\text{NDF}: 6885.2/32$
 All: 197.417 ± 0.592 $\chi^2/\text{NDF}: 10005.4/60$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.690 ± 1.074 χ^2/NDF : 630.3/21

Left Out: 5.425 ± 0.693 χ^2/NDF : 525.2/24

Right Out: 2.366 ± 0.959 χ^2/NDF : 832.4/25

Left In: 6.151 ± 0.730 χ^2/NDF : 410.6/22

Left: 5.769 ± 0.502 χ^2/NDF : 936.2/47

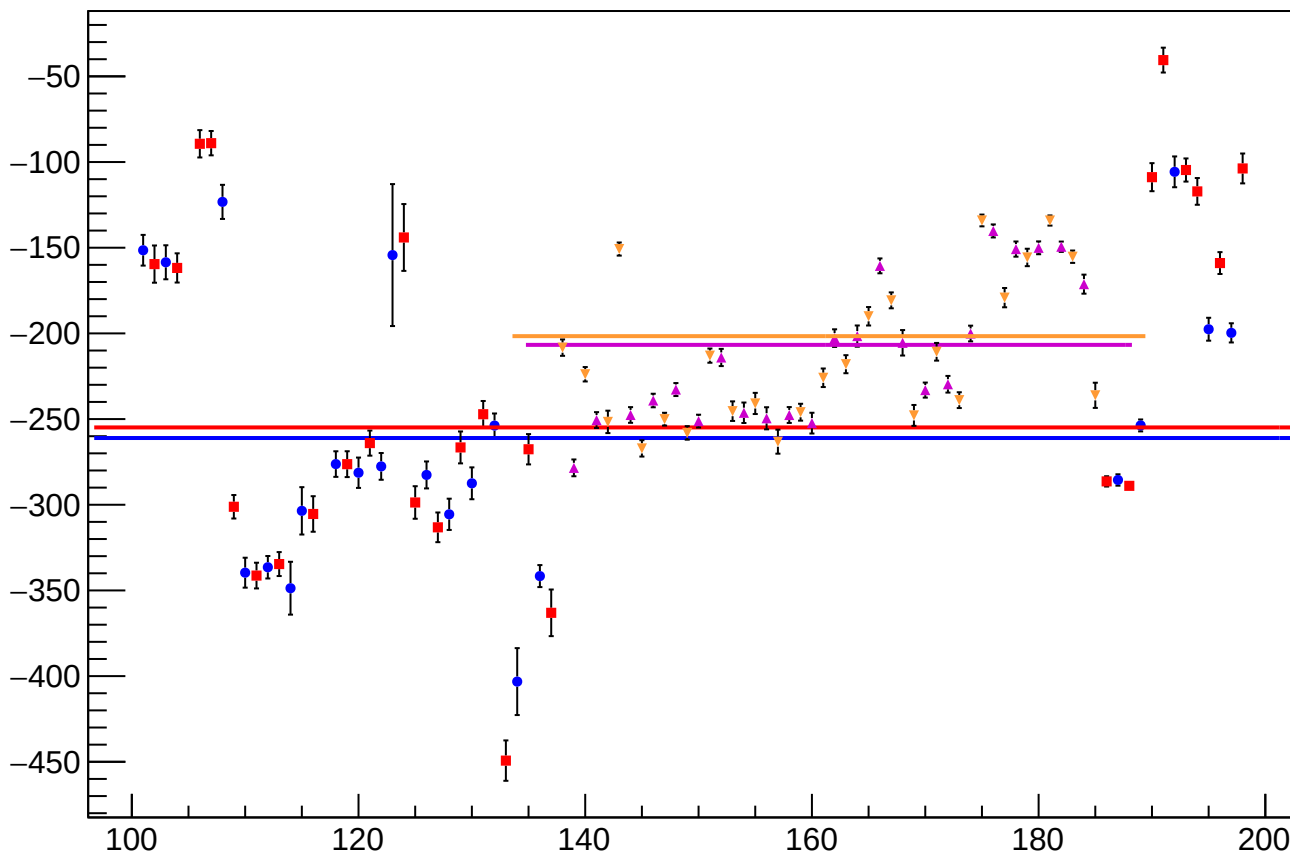
Right: 6.503 ± 0.715 χ^2/NDF : 1504.7/47

In: 7.902 ± 0.604 χ^2/NDF : 1059.1/44

Out: 4.376 ± 0.562 χ^2/NDF : 1364.3/50

All: 6.012 ± 0.411 χ^2/NDF : 2441.7/95

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -261.052 ± 1.487 $\chi^2/\text{NDF}: 1542.2/21$

Left Out: -201.610 ± 0.922 $\chi^2/\text{NDF}: 2462.4/24$

Right Out: -254.874 ± 1.100 $\chi^2/\text{NDF}: 5008.6/25$

Left In: -206.700 ± 0.946 $\chi^2/\text{NDF}: 2134.9/22$

Left: -204.091 ± 0.660 $\chi^2/\text{NDF}: 4612.2/47$

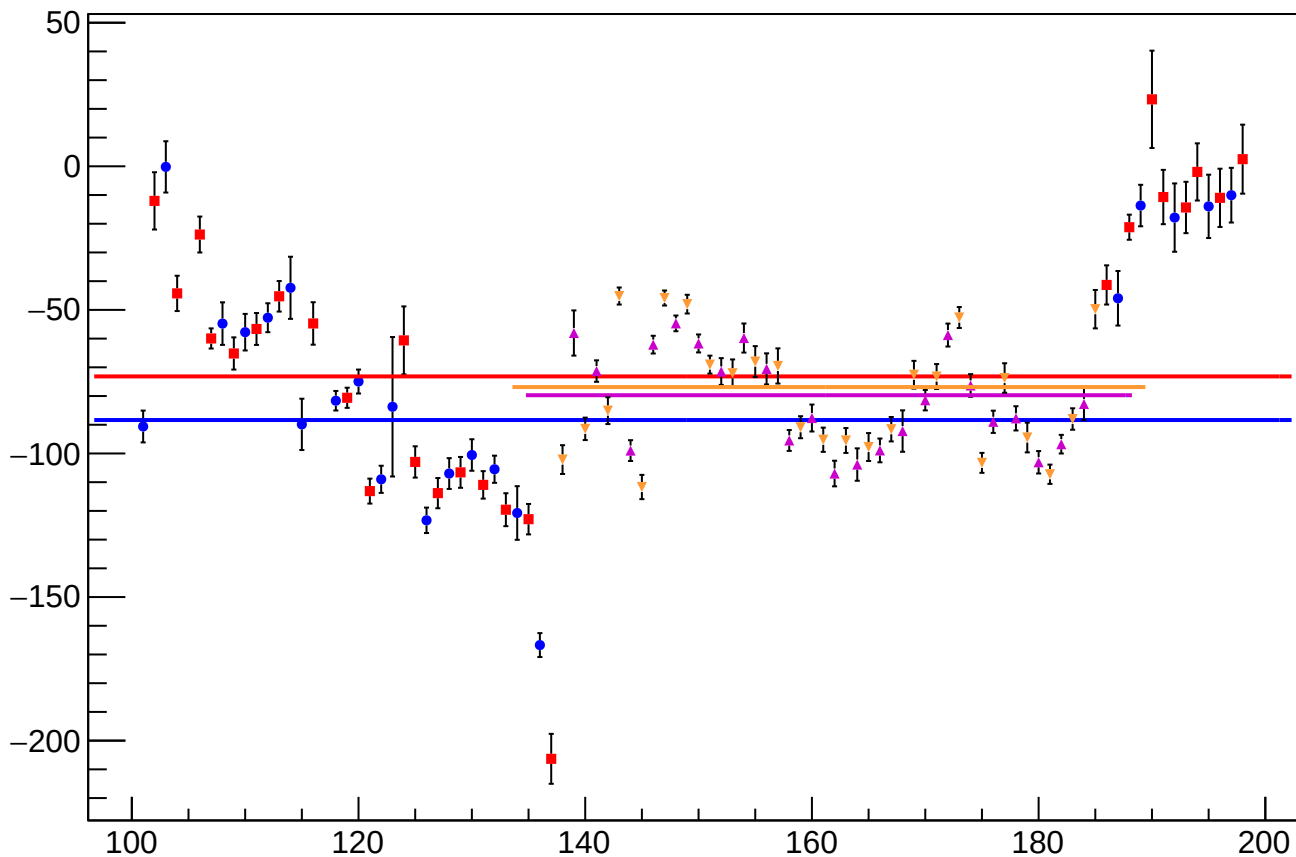
Right: -257.060 ± 0.884 $\chi^2/\text{NDF}: 6561.9/47$

In: -222.369 ± 0.798 $\chi^2/\text{NDF}: 4628.5/44$

Out: -223.605 ± 0.707 $\chi^2/\text{NDF}: 8847.8/50$

All: -223.062 ± 0.529 $\chi^2/\text{NDF}: 13477.7/95$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -88.359 ± 1.262 χ^2/NDF : 976.2/21

Left Out: -76.870 ± 0.802 χ^2/NDF : 758.7/24

Right Out: -73.168 ± 1.149 χ^2/NDF : 1260.6/25

Left In: -79.719 ± 0.837 χ^2/NDF : 415.2/22

Left: -78.232 ± 0.579 χ^2/NDF : 1179.9/47

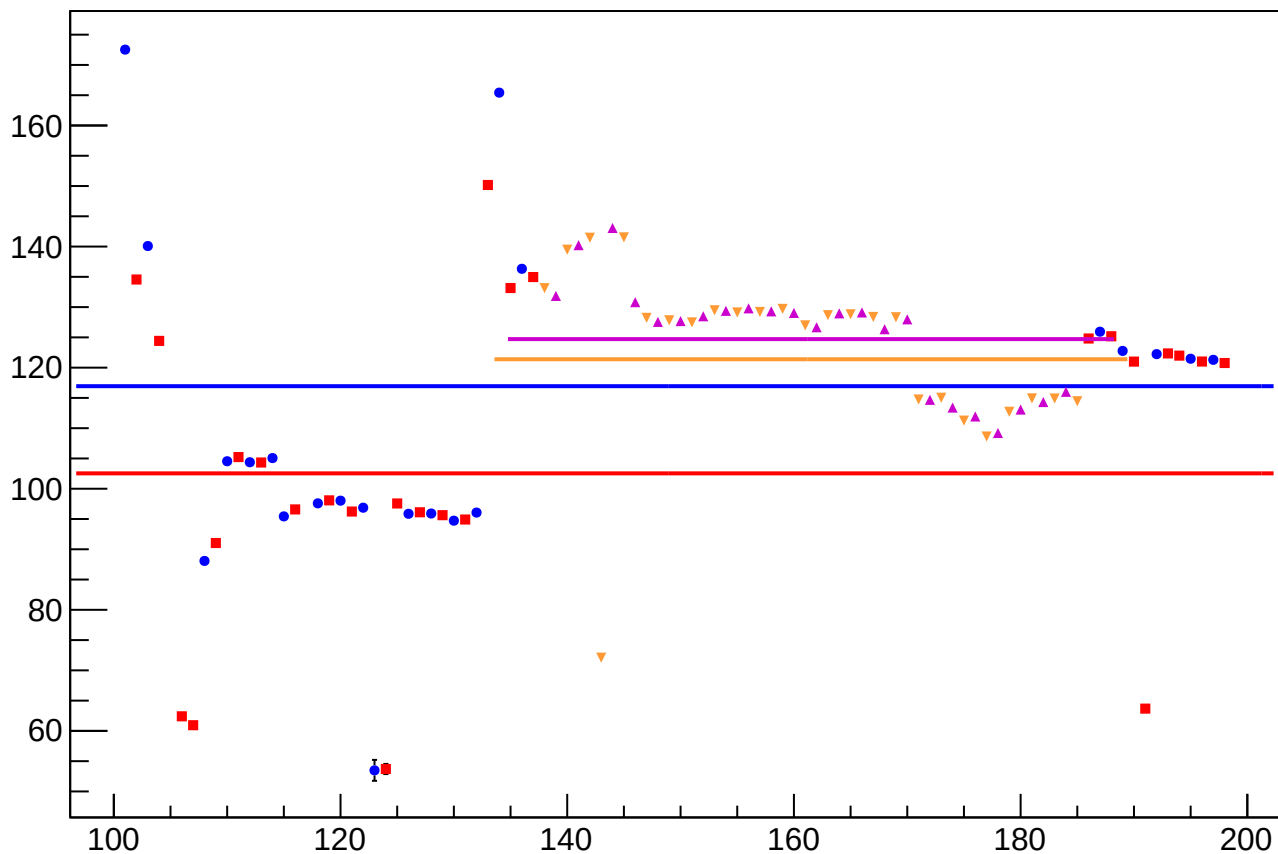
Right: -80.055 ± 0.849 χ^2/NDF : 2316.1/47

In: -82.362 ± 0.698 χ^2/NDF : 1423.9/44

Out: -75.658 ± 0.657 χ^2/NDF : 2026.4/50

All: -78.811 ± 0.478 χ^2/NDF : 3499.2/95

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 116.938 $\pm$ 0.070 χ^2 /NDF: 107763.9/21

Left Out: 121.385 $\pm$ 0.038 χ^2 /NDF:164871.1/24

Right Out: 102.539 $\pm$ 0.058 χ^2 /NDF: 223997.3/25

Left In: 124.714 $\pm$ 0.039 χ^2 /NDF:51750.7/22

Left: 123.014 $\pm$ 0.027 χ^2 /NDF: 220328.2/47

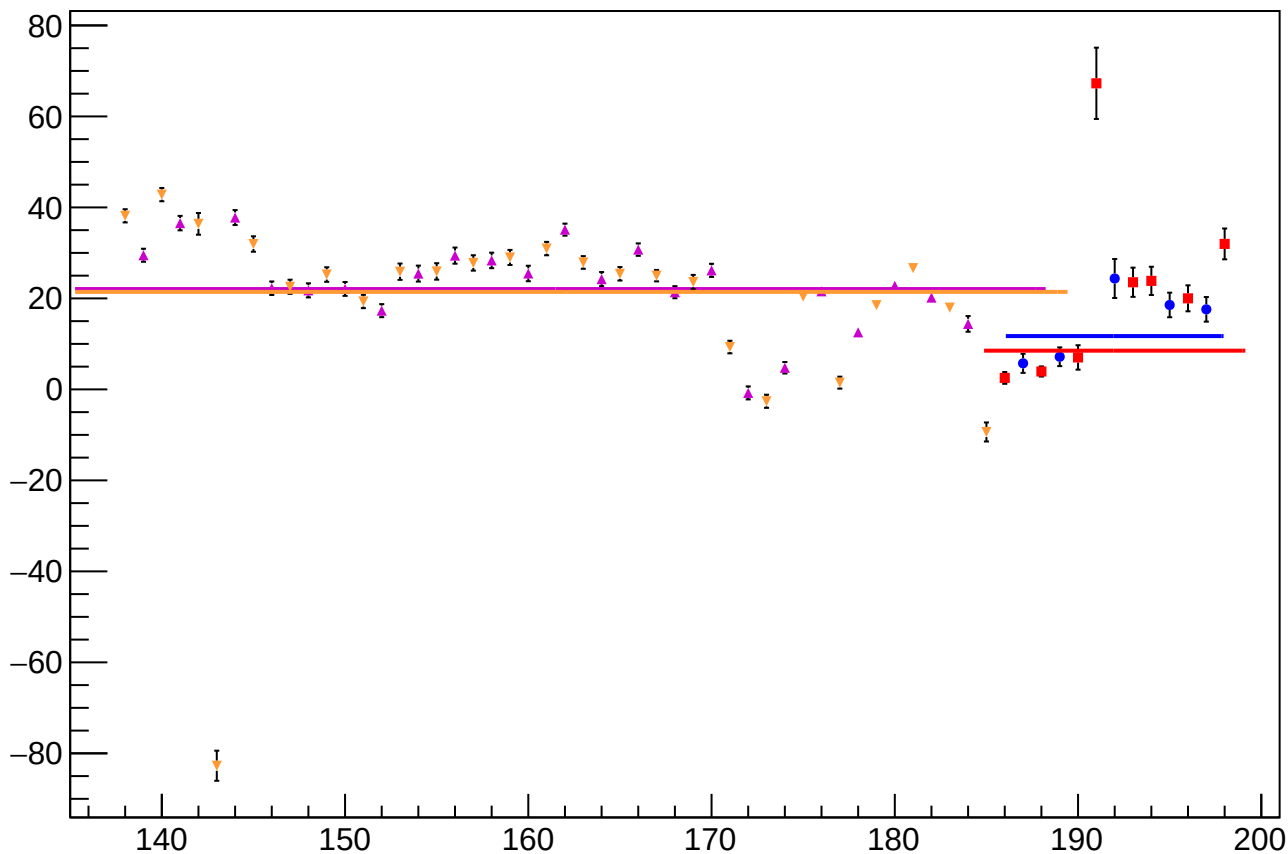
Right: 108.386 $\pm$ 0.045 χ^2 /NDF: 356605.9/47

In: 122.883 $\pm$ 0.034 χ^2 /NDF:168839.5/44

Out: 115.701 $\pm$ 0.032 χ^2 /NDF:462066.2/50

All: 119.053 $\pm$ 0.023 χ^2 /NDF: 654460.1/95

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 11.716 $\pm$ 1.124 χ^2 /NDF: 32.9/4

Left Out: 21.435 $\pm$ 0.283 χ^2 /NDF:2406.2/24

Right Out: 8.511 $\pm$ 0.713 χ^2 /NDF: 205.4/7

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

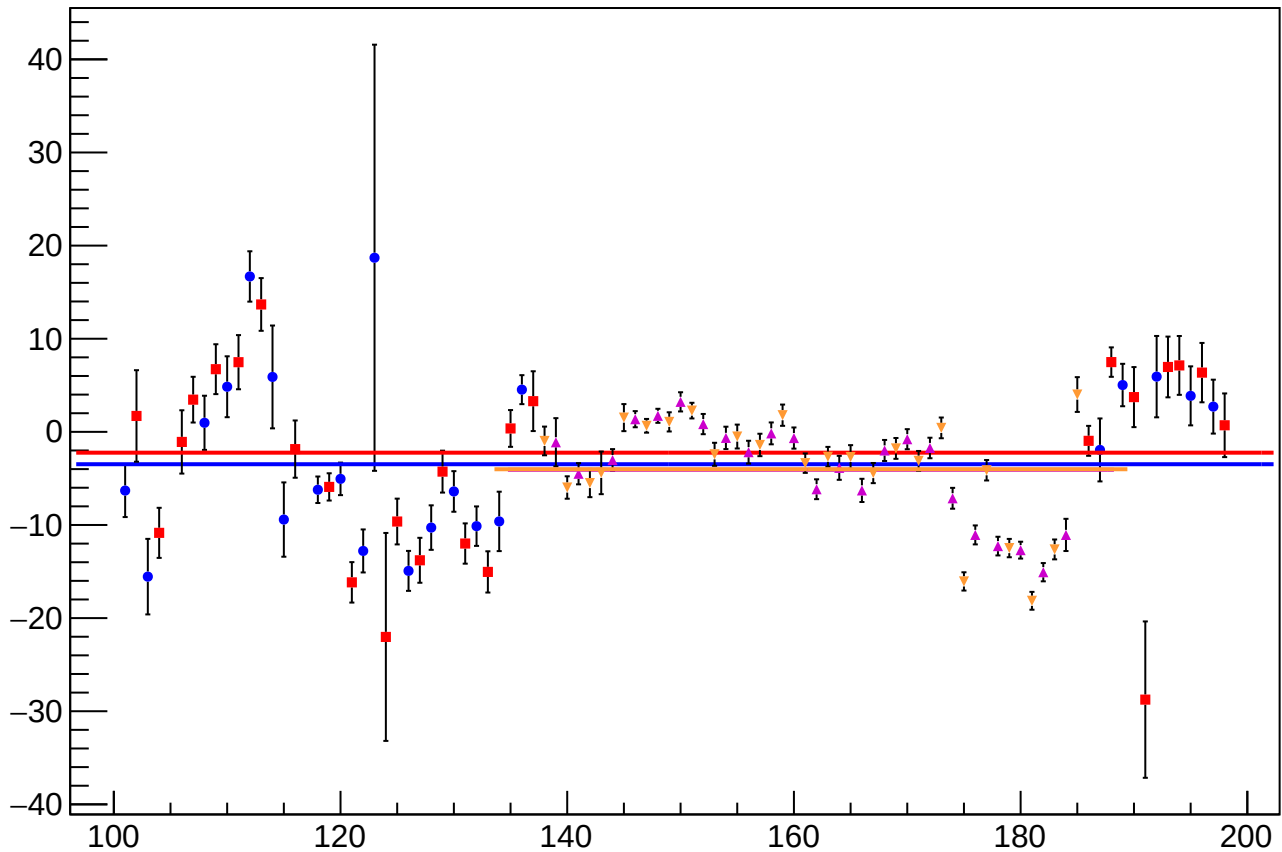
Right: 9.430 $\pm$ 0.602 χ^2 /NDF: 244.1/12

In: 21.433 $\pm$ 0.276 χ^2 /NDF:1053.7/27

Out: 19.679 $\pm$ 0.263 χ^2 /NDF:2895.7/32

All: 20.514 $\pm$ 0.190 χ^2 /NDF: 3970.7/60

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.475 ± 0.532 $\chi^2/\text{NDF}: 208.2/21$

Left Out: -4.015 ± 0.223 $\chi^2/\text{NDF}: 731.7/24$

Right Out: -2.236 ± 0.489 $\chi^2/\text{NDF}: 288.9/25$

Left In: -4.069 ± 0.227 $\chi^2/\text{NDF}: 580.1/22$

Left: -4.042 ± 0.159 $\chi^2/\text{NDF}: 1311.8/47$

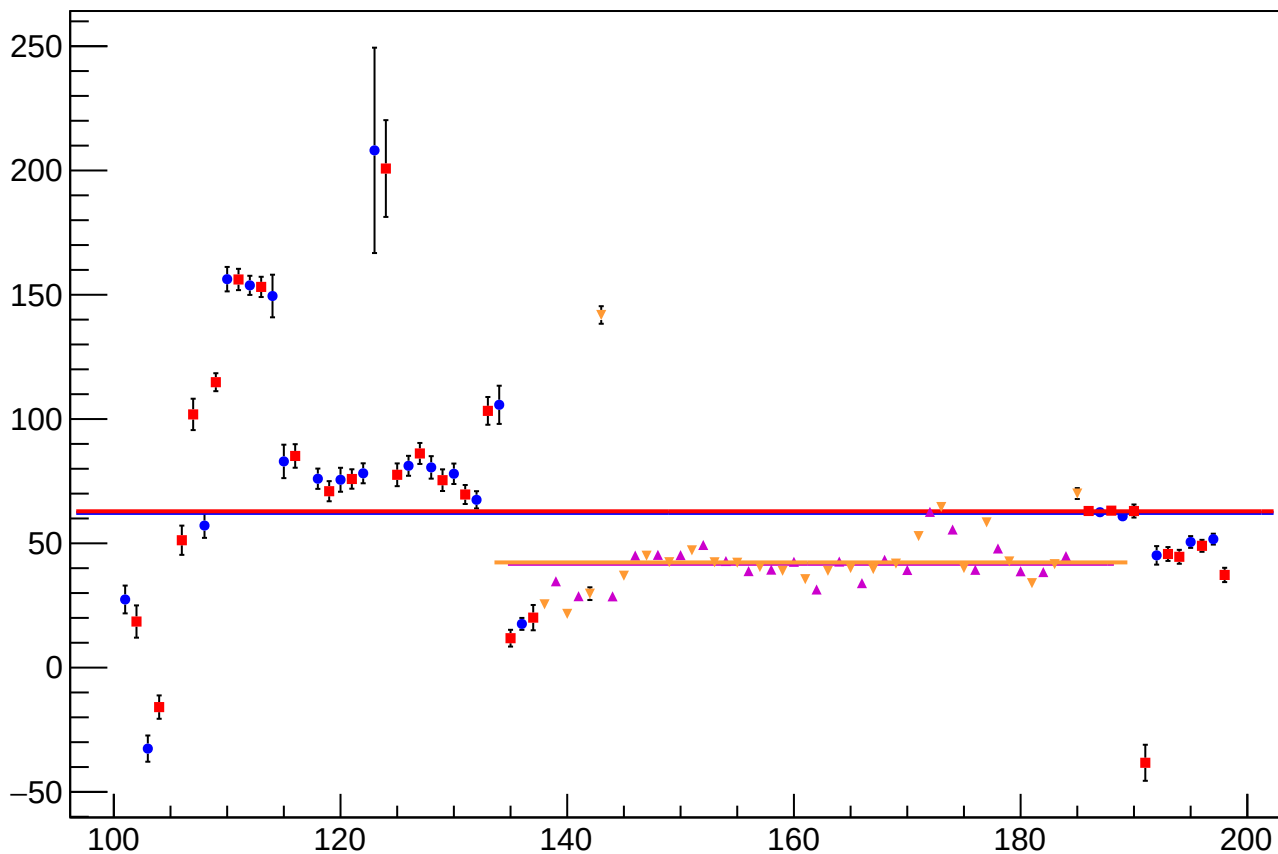
Right: -2.802 ± 0.360 $\chi^2/\text{NDF}: 500.1/47$

In: -3.978 ± 0.209 $\chi^2/\text{NDF}: 789.4/44$

Out: -3.708 ± 0.203 $\chi^2/\text{NDF}: 1031.6/50$

All: -3.839 ± 0.146 $\chi^2/\text{NDF}: 1821.8/95$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 62.241 $\pm$ 0.711 χ^2 /NDF: 1957.3/21

Left Out: 42.322 $\pm$ 0.282 χ^2 /NDF:1855.5/24

Right Out: 62.888 $\pm$ 0.516 χ^2 /NDF: 2421.2/25

Left In: 41.755 $\pm$ 0.283 χ^2 /NDF:659.6/22

Left: 42.039 $\pm$ 0.200 χ^2 /NDF: 2517.1/47

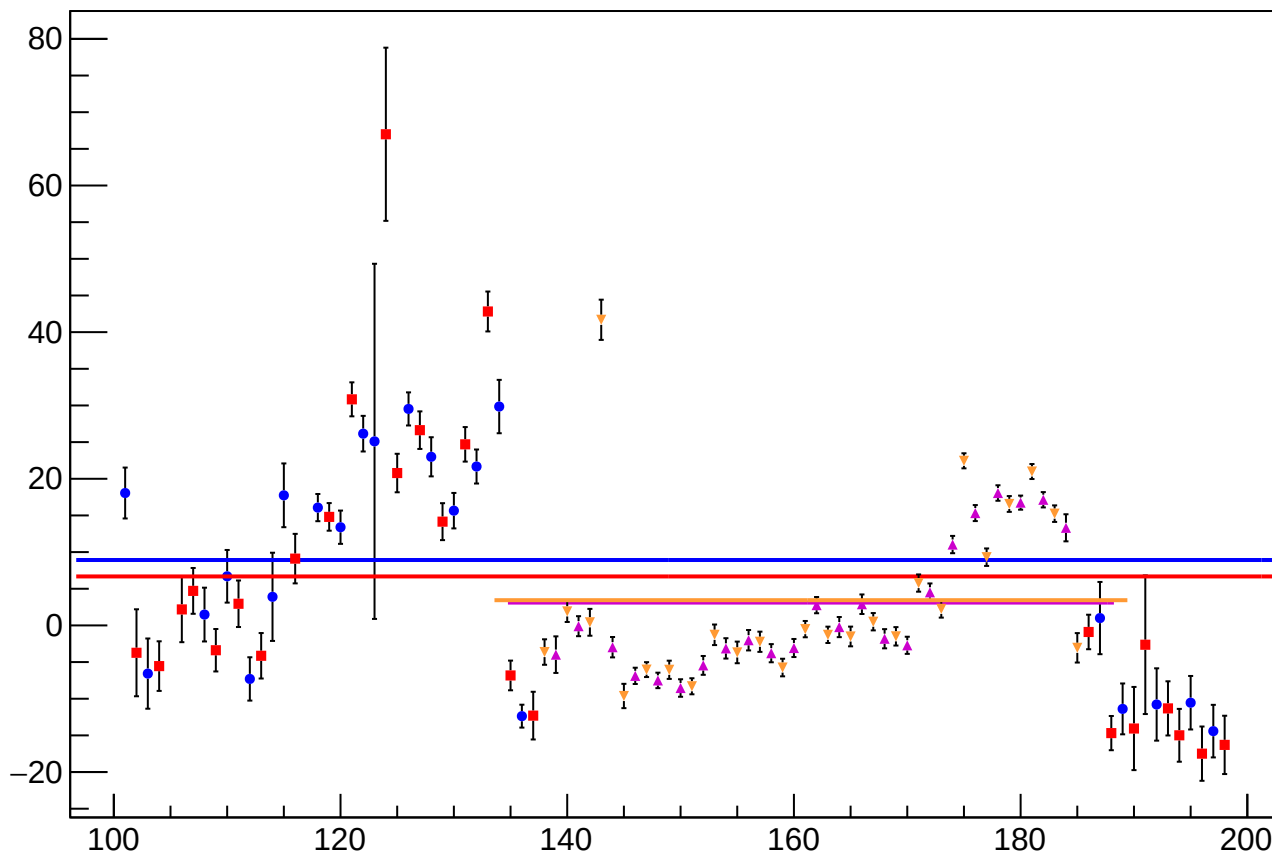
Right: 62.664 $\pm$ 0.418 χ^2 /NDF: 4379.0/47

In: 44.555 $\pm$ 0.263 χ^2 /NDF:3332.9/44

Out: 47.047 $\pm$ 0.248 χ^2 /NDF:5498.0/50

All: 45.876 $\pm$ 0.180 χ^2 /NDF: 8878.6/95

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.921 ± 0.617 χ^2/NDF : 618.0/21

Left Out: 3.439 ± 0.252 χ^2/NDF : 1647.7/24

Right Out: 6.680 ± 0.582 χ^2/NDF : 853.0/25

Left In: 3.114 ± 0.256 χ^2/NDF : 1273.1/22

Left: 3.279 ± 0.180 χ^2/NDF : 2921.5/47

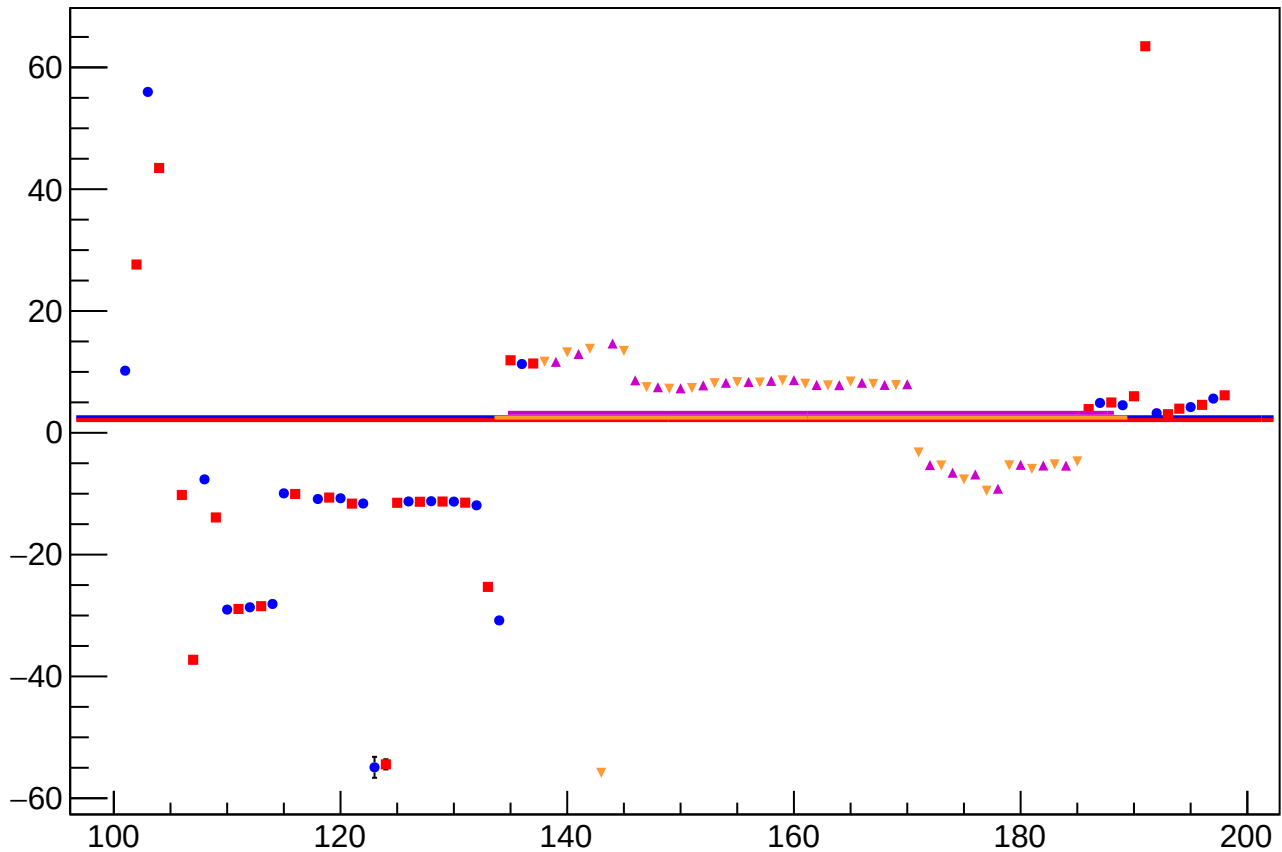
Right: 7.734 ± 0.423 χ^2/NDF : 1478.1/47

In: 3.968 ± 0.237 χ^2/NDF : 1966.6/44

Out: 3.953 ± 0.232 χ^2/NDF : 2526.8/50

All: 3.961 ± 0.166 χ^2/NDF : 4493.4/95

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.554 $\pm$ 0.032 χ^2 /NDF: 360941.8/21

Left Out: 2.497 $\pm$ 0.012 χ^2 /NDF: 588138.5/24

Right Out: 2.084 $\pm$ 0.029 χ^2 /NDF: 425152.7/25

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

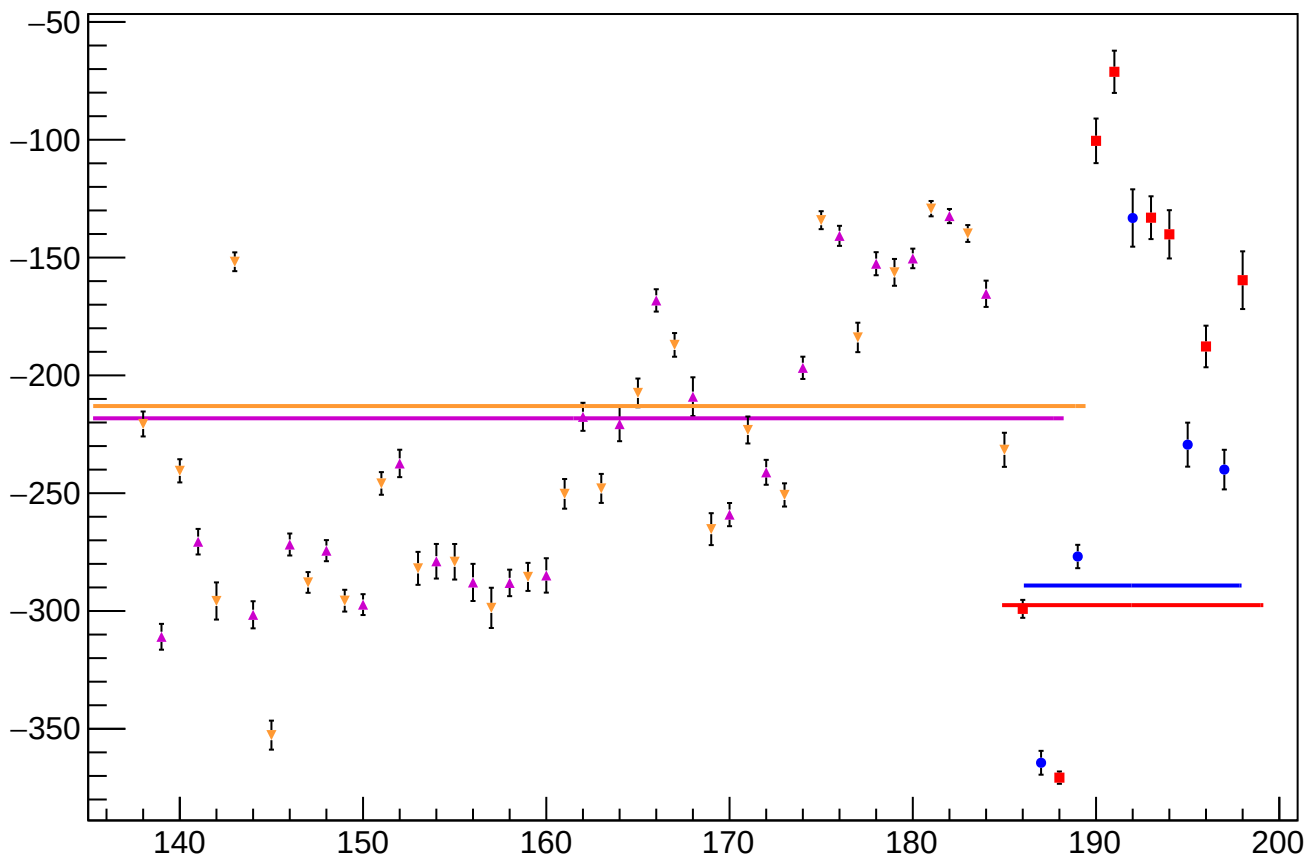
Right: 2.297 $\pm$ 0.021 χ^2 /NDF: 786213.7/47

In: 3.196 $\pm$ 0.011 χ^2 /NDF: 771008.8/44

Out: 2.440 $\pm$ 0.011 χ^2 /NDF: 1013466.6/50

All: 2.812 $\pm$ 0.008 χ^2 /NDF: 1786915.7/95

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -289.184 ± 2.986 $\chi^2/\text{NDF}: 466.5/4$

Left Out: -213.020 ± 1.035 $\chi^2/\text{NDF}: 3826.2/24$

Right Out: -297.513 ± 1.889 $\chi^2/\text{NDF}: 2701.8/7$

Left In: -218.216 ± 1.063 $\chi^2/\text{NDF}: 3499.0/22$

Left: -215.550 ± 0.742 $\chi^2/\text{NDF}: 7337.5/47$

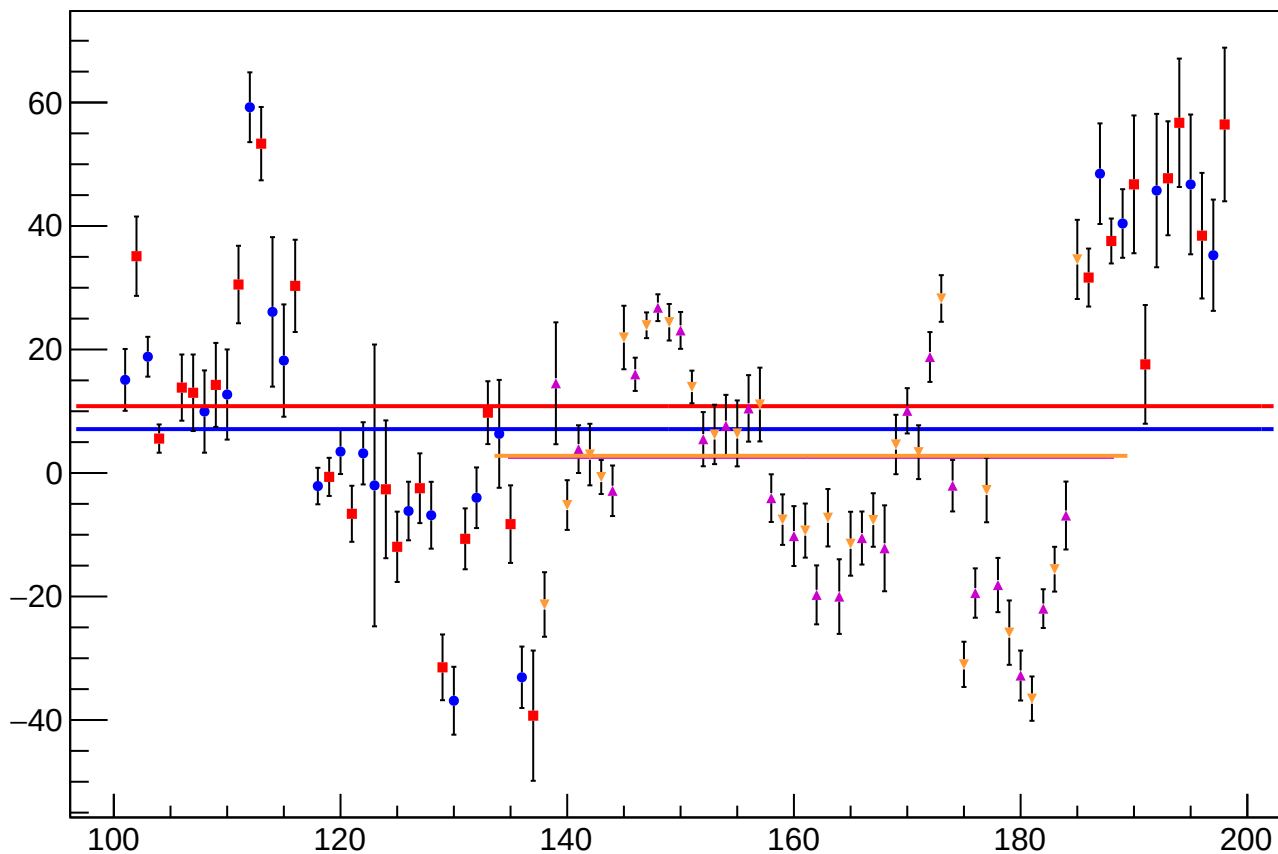
Right: -295.132 ± 1.597 $\chi^2/\text{NDF}: 3173.9/12$

In: -226.195 ± 1.001 $\chi^2/\text{NDF}: 4466.8/27$

Out: -232.538 ± 0.908 $\chi^2/\text{NDF}: 8066.2/32$

All: -229.676 ± 0.673 $\chi^2/\text{NDF}: 12555.0/60$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.106 ± 1.162 $\chi^2/\text{NDF}: 359.3/21$

Left Out: 2.786 ± 0.780 $\chi^2/\text{NDF}: 582.0/24$

Right Out: 10.823 ± 1.043 $\chi^2/\text{NDF}: 394.5/25$

Left In: 2.619 ± 0.821 $\chi^2/\text{NDF}: 477.6/22$

Left: 2.707 ± 0.565 $\chi^2/\text{NDF}: 1059.7/47$

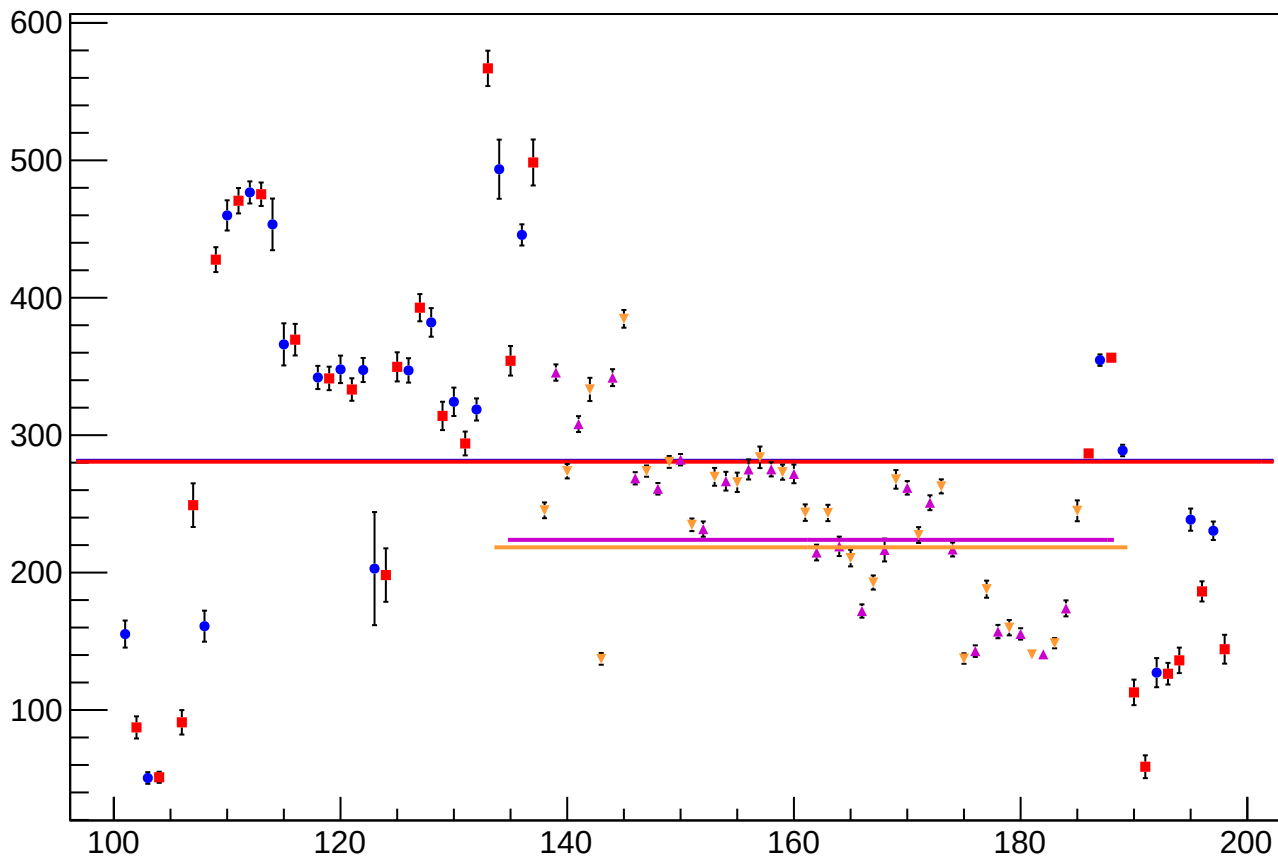
Right: 9.165 ± 0.776 $\chi^2/\text{NDF}: 759.5/47$

In: 4.111 ± 0.670 $\chi^2/\text{NDF}: 846.8/44$

Out: 5.669 ± 0.625 $\chi^2/\text{NDF}: 1014.6/50$

All: 4.945 ± 0.457 $\chi^2/\text{NDF}: 1864.3/95$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 281.347+/-1.644 χ^2/NDF : 5733.8/21

Left Out: 218.389+/-1.038 χ^2/NDF :3696.7/24

Right Out: 280.717+/-1.244 χ^2/NDF : 9849.7/25

Left In: 223.827+/-1.058 χ^2/NDF :3444.7/22

Left: 221.054+/-0.741 χ^2/NDF : 7154.8/47

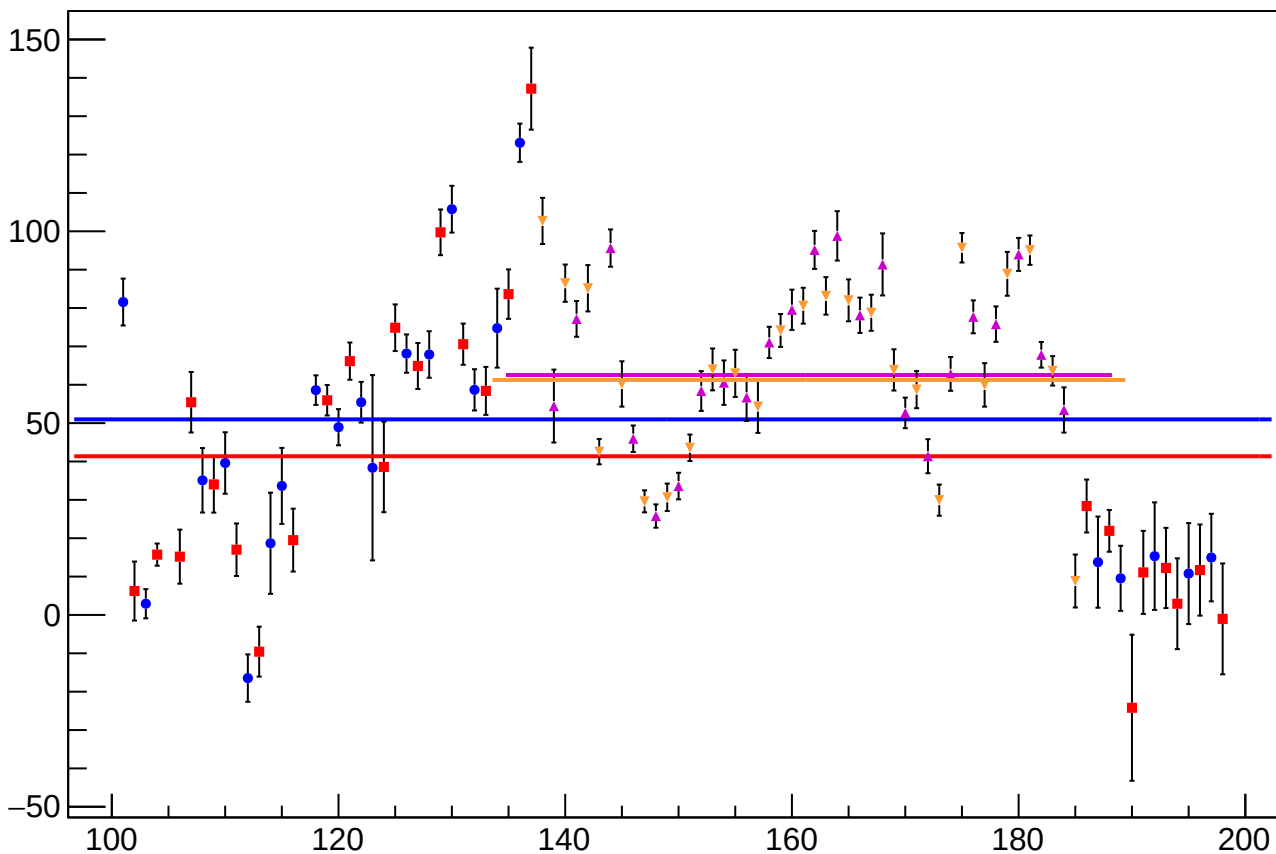
Right: 280.946+/-0.992 χ^2/NDF : 15583.6/47

In: 240.679+/-0.890 χ^2/NDF :10043.8/44

Out: 243.969+/-0.797 χ^2/NDF :15026.9/50

All: 242.505+/-0.594 χ^2/NDF : 25078.2/95

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 50.979 ± 1.367 χ^2/NDF : 698.5/21

Left Out: 61.240 ± 0.903 χ^2/NDF : 718.8/24

Right Out: 41.364 ± 1.255 χ^2/NDF : 609.7/25

Left In: 62.538 ± 0.940 χ^2/NDF : 520.0/22

Left: 61.862 ± 0.651 χ^2/NDF : 1239.8/47

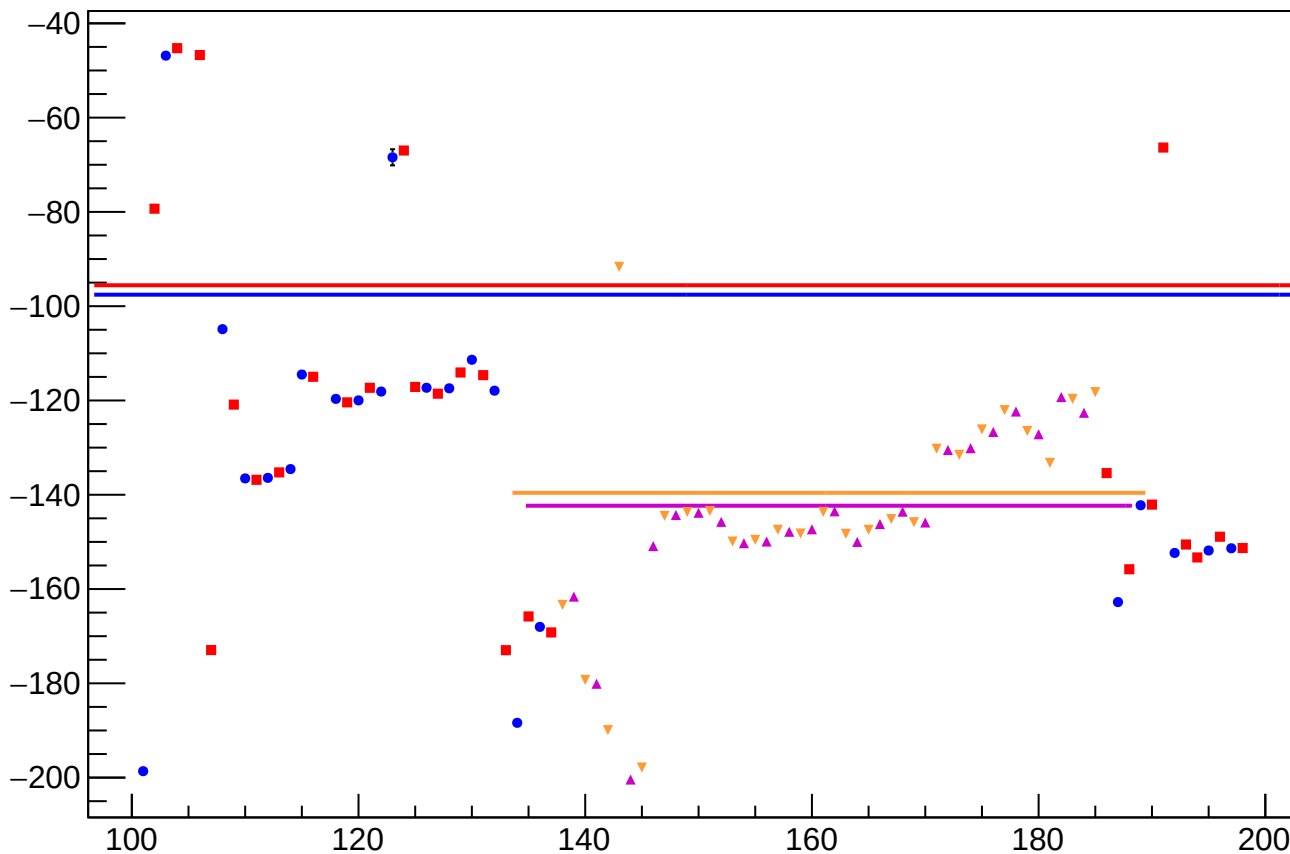
Right: 45.762 ± 0.925 χ^2/NDF : 1335.1/47

In: 58.826 ± 0.775 χ^2/NDF : 1267.0/44

Out: 54.465 ± 0.733 χ^2/NDF : 1493.8/50

All: 56.525 ± 0.532 χ^2/NDF : 2777.6/95

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -97.562 $\pm$ 0.064 χ^2 /NDF: 619614.2/21

Left Out: -139.585 $\pm$ 0.043 χ^2 /NDF: 243895.1/24

Right Out: -95.558 $\pm$ 0.058 χ^2 /NDF: 669717.2/25

Left In: -142.326 $\pm$ 0.044 χ^2 /NDF: 144642.3/22

Left: -140.930 $\pm$ 0.031 χ^2 /NDF: 390521.6/47

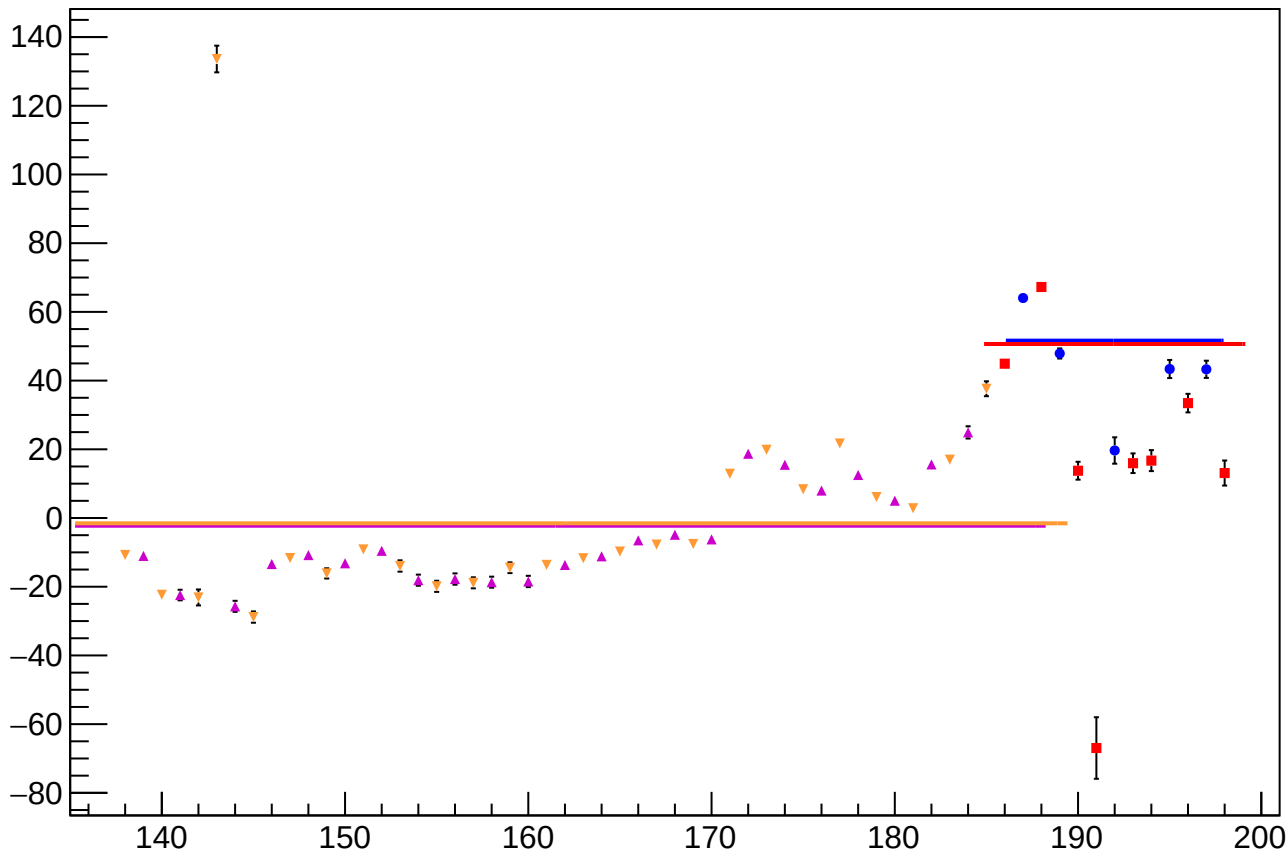
Right: -96.467 $\pm$ 0.043 χ^2 /NDF: 1289871.6/47

In: -127.914 $\pm$ 0.036 χ^2 /NDF: 1098915.5/44

Out: -123.943 $\pm$ 0.035 χ^2 /NDF: 1284343.6/50

All: -125.842 $\pm$ 0.025 χ^2 /NDF: 2389553.0/95

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 51.627 $\pm$ 0.862 χ^2 /NDF: 176.0/4

Left Out: -1.540 $\pm$ 0.268 χ^2 /NDF: 4129.1/24

Right Out: 50.659 $\pm$ 0.527 χ^2 /NDF: 1293.8/7

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

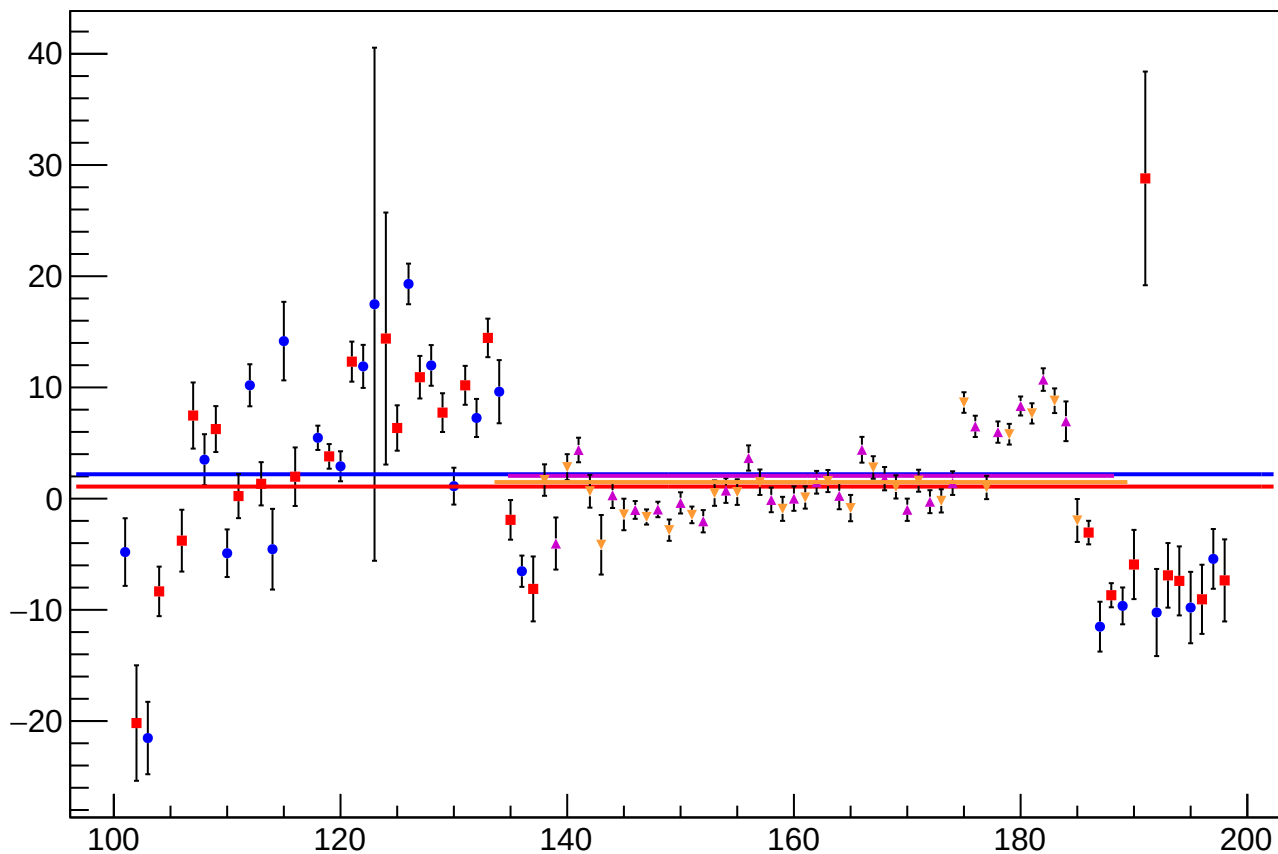
Right: 50.922 $\pm$ 0.449 χ^2 /NDF: 1470.8/12

In: 2.554 $\pm$ 0.257 χ^2 /NDF: 6295.2/27

Out: 9.181 $\pm$ 0.239 χ^2 /NDF: 13230.9/32

All: 6.115 $\pm$ 0.175 χ^2 /NDF: 19882.8/60

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.191 ± 0.426 $\chi^2/\text{NDF}: 428.7/21$

Left Out: 1.492 ± 0.210 $\chi^2/\text{NDF}: 258.3/24$

Right Out: 1.084 ± 0.386 $\chi^2/\text{NDF}: 383.1/25$

Left In: 2.051 ± 0.215 $\chi^2/\text{NDF}: 275.4/22$

Left: 1.766 ± 0.150 $\chi^2/\text{NDF}: 537.2/47$

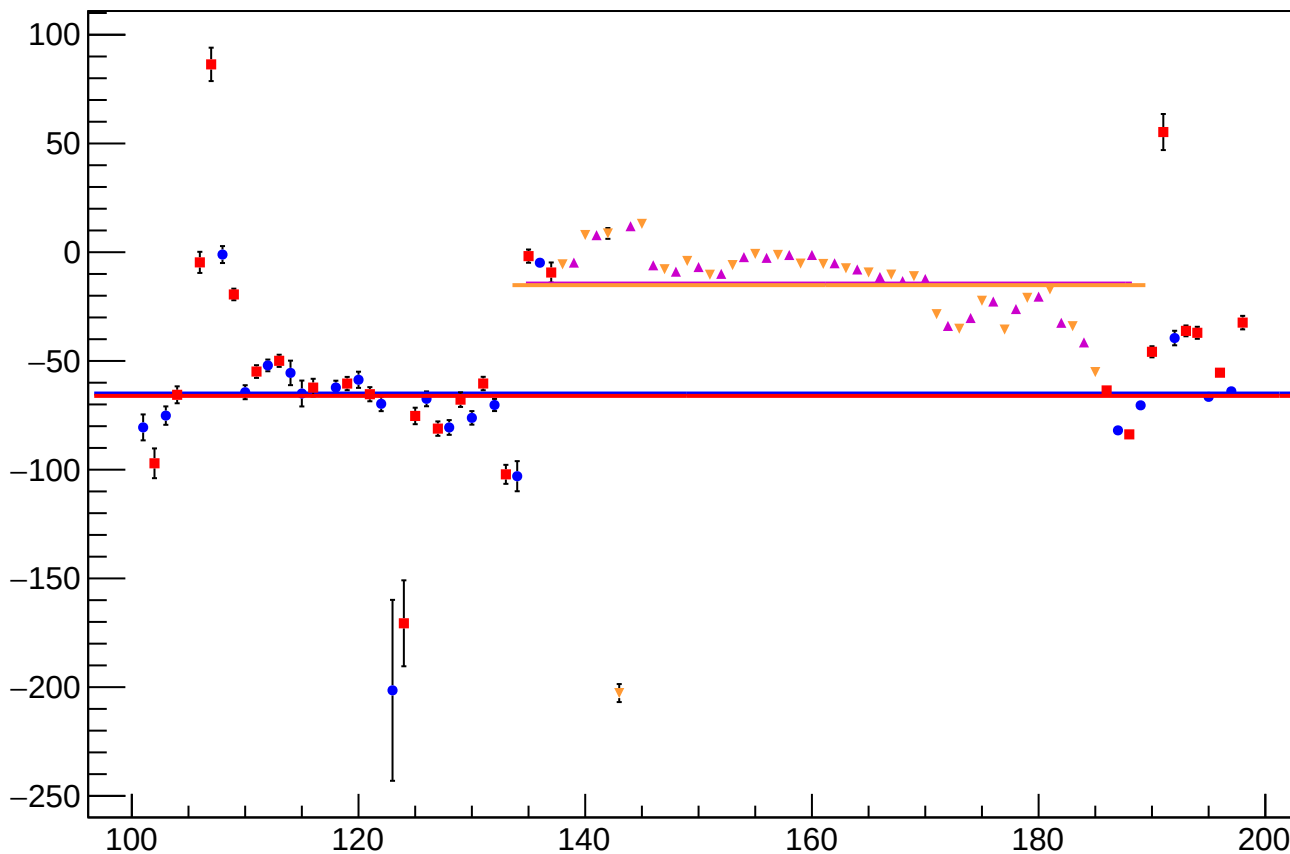
Right: 1.583 ± 0.286 $\chi^2/\text{NDF}: 815.5/47$

In: 2.080 ± 0.192 $\chi^2/\text{NDF}: 704.2/44$

Out: 1.398 ± 0.185 $\chi^2/\text{NDF}: 642.3/50$

All: 1.726 ± 0.133 $\chi^2/\text{NDF}: 1353.0/95$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -64.983+/-0.551 χ^2/NDF : 1461.6/21

Left Out: -15.140+/-0.267 χ^2/NDF : 4451.9/24

Right Out: -66.061+/-0.384 χ^2/NDF : 3148.9/25

Left In: -14.415+/-0.268 χ^2/NDF : 2065.7/22

Left: -14.779+/-0.189 χ^2/NDF : 6521.3/47

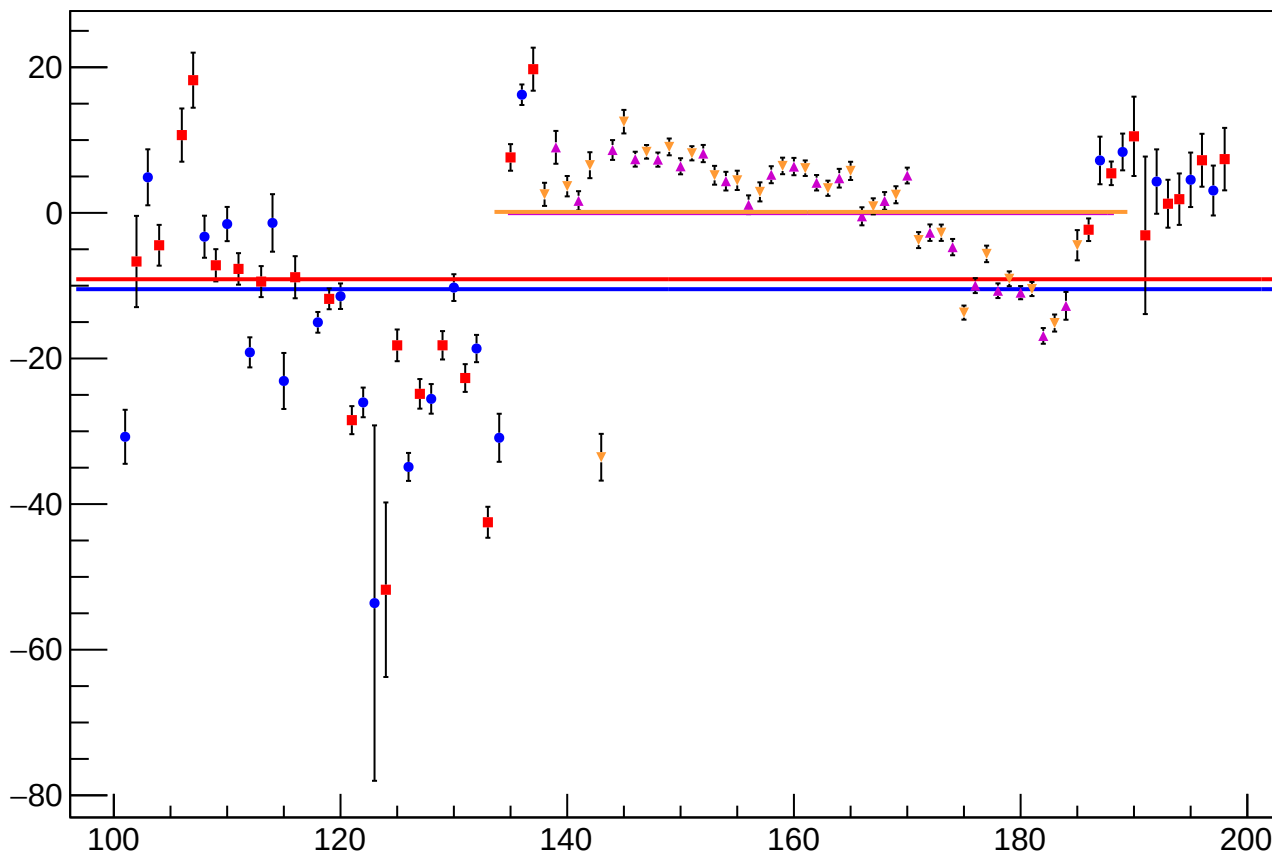
Right: -65.709+/-0.315 χ^2/NDF : 4613.1/47

In: -24.093+/-0.241 χ^2/NDF : 10338.2/44

Out: -31.735+/-0.219 χ^2/NDF : 19467.2/50

All: -28.278+/-0.162 χ^2/NDF : 30355.8/95

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.481 ± 0.499 χ^2/NDF : 932.4/21

Left Out: 0.133 ± 0.238 χ^2/NDF : 1146.9/24

Right Out: -9.115 ± 0.467 χ^2/NDF : 945.4/25

Left In: -0.036 ± 0.242 χ^2/NDF : 1027.6/22

Left: 0.049 ± 0.170 χ^2/NDF : 2174.8/47

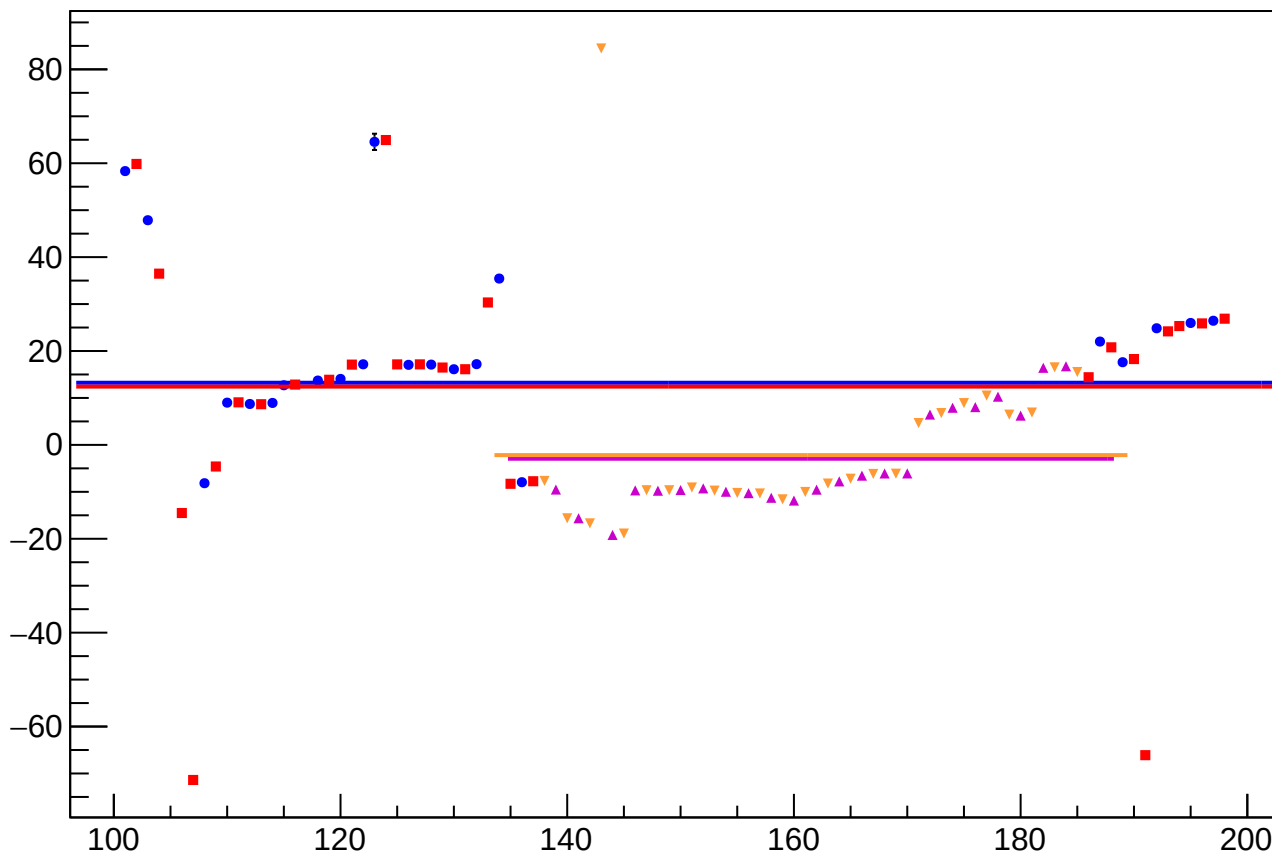
Right: -9.753 ± 0.341 χ^2/NDF : 1881.8/47

In: -2.030 ± 0.218 χ^2/NDF : 2314.5/44

Out: -1.780 ± 0.212 χ^2/NDF : 2403.7/50

All: -1.902 ± 0.152 χ^2/NDF : 4718.9/95

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.240+/-0.027 χ^2/NDF : 425021.4/21

Left Out: -2.176+/-0.011 χ^2/NDF : 1047394.9/24

Right Out: 12.419+/-0.025 χ^2/NDF : 699384.5/25

Left In: -2.949+/-0.011 χ^2/NDF : 770702.4/22

Left: -2.562+/-0.008 χ^2/NDF : 1820593.2/47

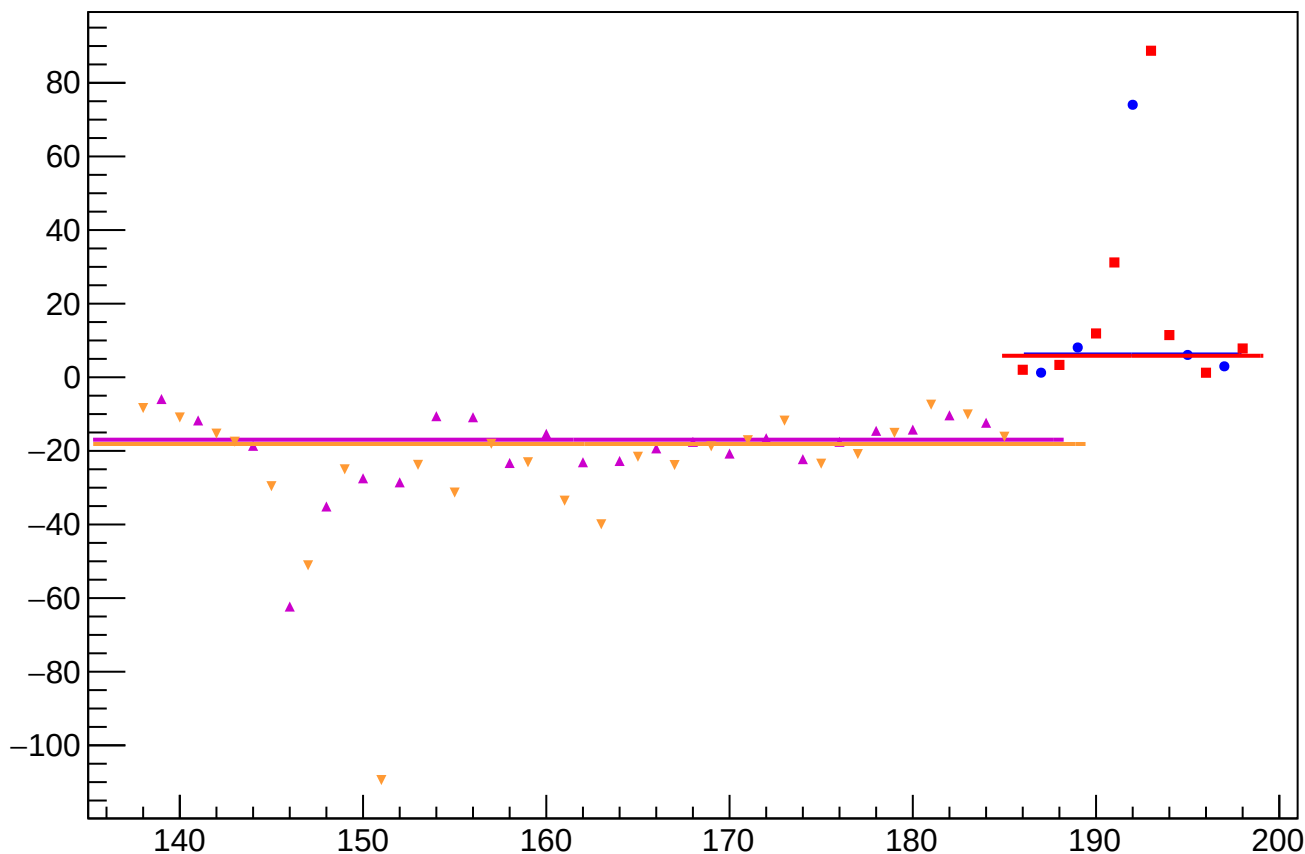
Right: 12.796+/-0.018 χ^2/NDF : 1124907.2/47

In: -0.655+/-0.010 χ^2/NDF : 1505383.5/44

Out: 0.185+/-0.010 χ^2/NDF : 2035550.1/50

All: -0.229+/-0.007 χ^2/NDF : 3544412.4/95

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



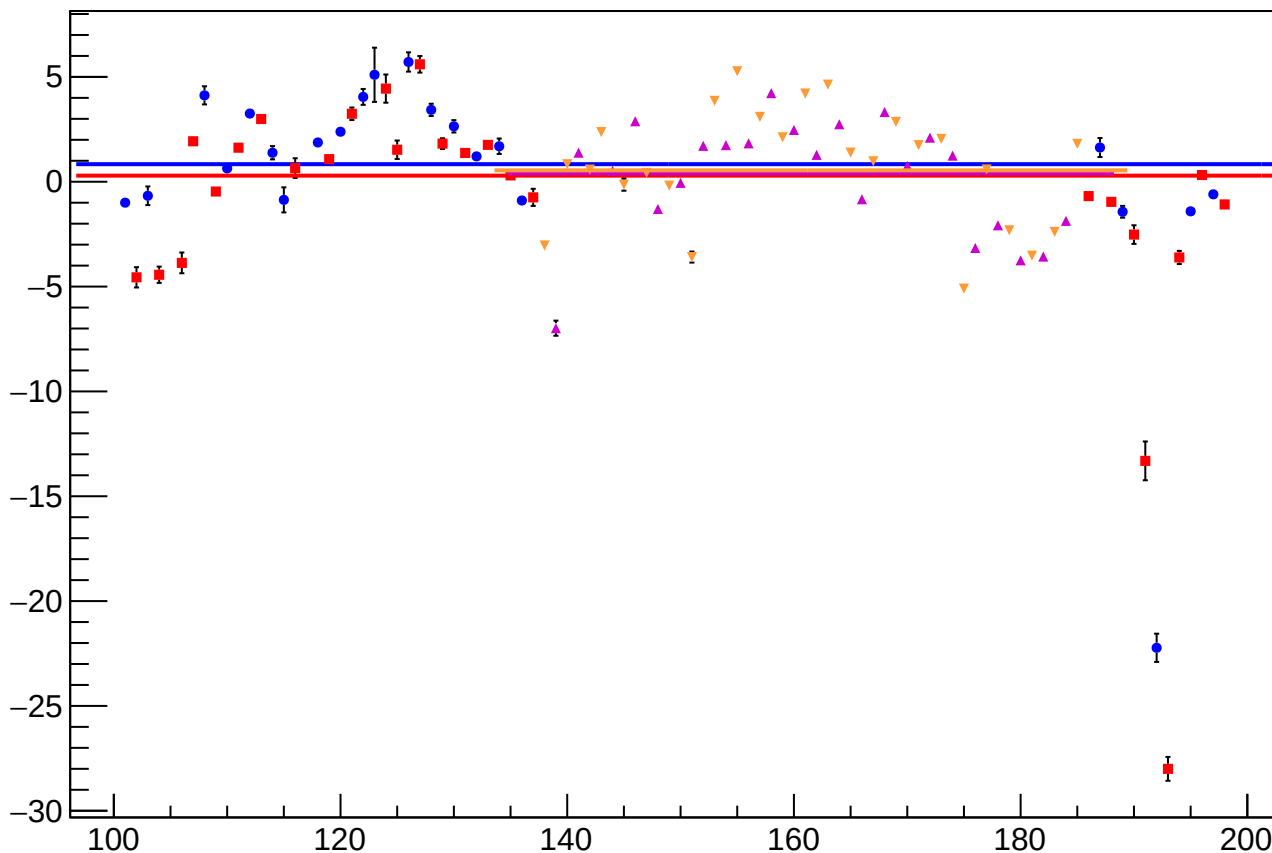
Right In: 6.196 ± 0.099 $\chi^2/\text{NDF}: 11330.6/4$
 Left Out: -18.127 ± 0.039 $\chi^2/\text{NDF}: 88514.4/24$
 Right Out: 5.844 ± 0.074 $\chi^2/\text{NDF}: 24859.2/7$
 Left In: -16.958 ± 0.038 $\chi^2/\text{NDF}: 44759.9/22$

Left: -17.528 ± 0.027 $\chi^2/\text{NDF}: 133736.2/47$
 Right: 5.970 ± 0.060 $\chi^2/\text{NDF}: 36197.9/12$

In: -14.002 ± 0.035 $\chi^2/\text{NDF}: 103490.3/27$
 Out: -12.963 ± 0.035 $\chi^2/\text{NDF}: 194935.7/32$

All: -13.468 ± 0.025 $\chi^2/\text{NDF}: 298866.0/60$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.838 ± 0.054 $\chi^2/\text{NDF}: 2255.6/21$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7067.6/24$

Right Out: 0.291 ± 0.049 $\chi^2/\text{NDF}: 4134.6/25$

Left In: 0.398 ± 0.031 $\chi^2/\text{NDF}: 6286.3/22$

Left: 0.467 ± 0.022 $\chi^2/\text{NDF}: 13364.5/47$

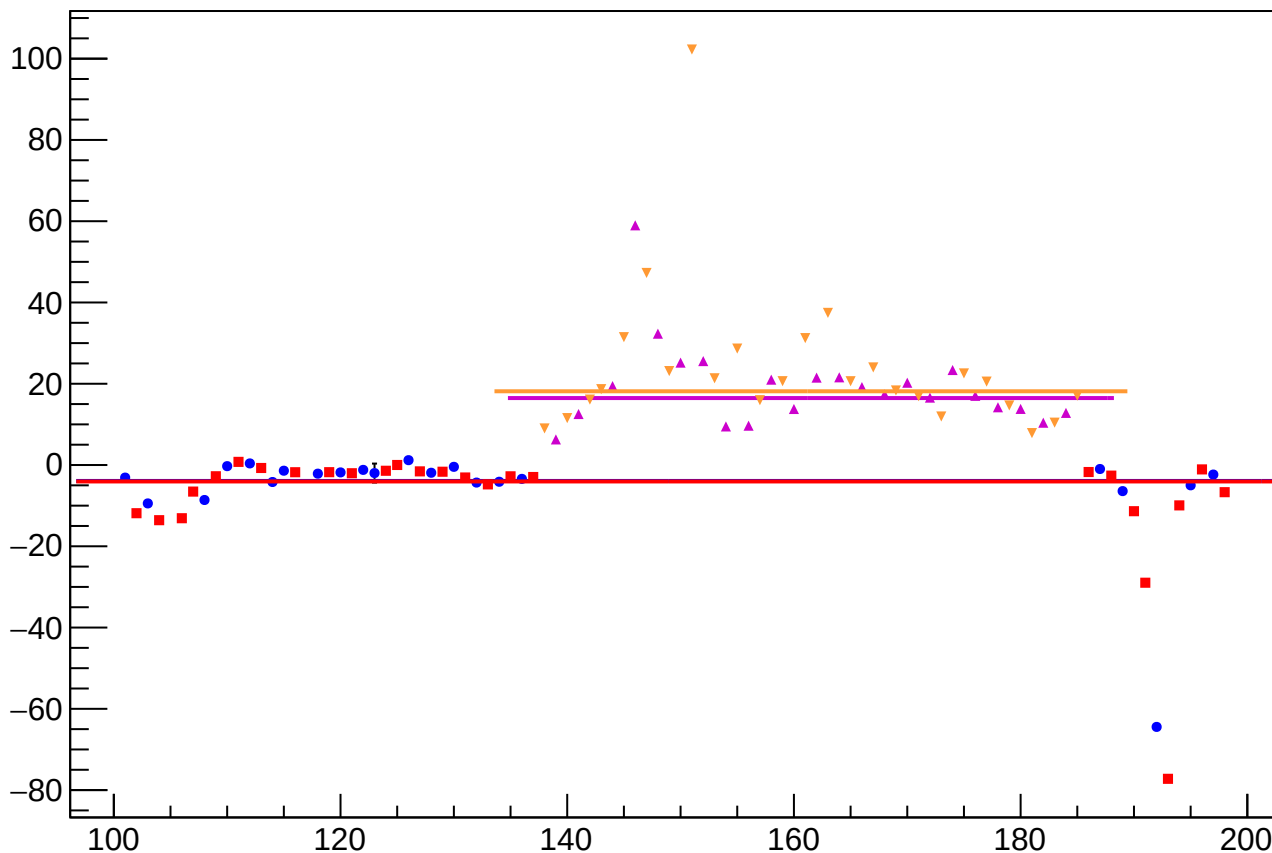
Right: 0.540 ± 0.036 $\chi^2/\text{NDF}: 6446.2/47$

In: 0.506 ± 0.027 $\chi^2/\text{NDF}: 8592.2/44$

Out: 0.467 ± 0.027 $\chi^2/\text{NDF}: 11220.4/50$

All: 0.487 ± 0.019 $\chi^2/\text{NDF}: 19813.6/95$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -3.923 ± 0.066 $\chi^2/\text{NDF}: 12302.6/21$

Left Out: 18.147 ± 0.039 $\chi^2/\text{NDF}: 77805.7/24$

Right Out: -4.044 ± 0.052 $\chi^2/\text{NDF}: 26479.8/25$

Left In: 16.477 ± 0.038 $\chi^2/\text{NDF}: 41326.5/22$

Left: 17.279 ± 0.027 $\chi^2/\text{NDF}: 120078.9/47$

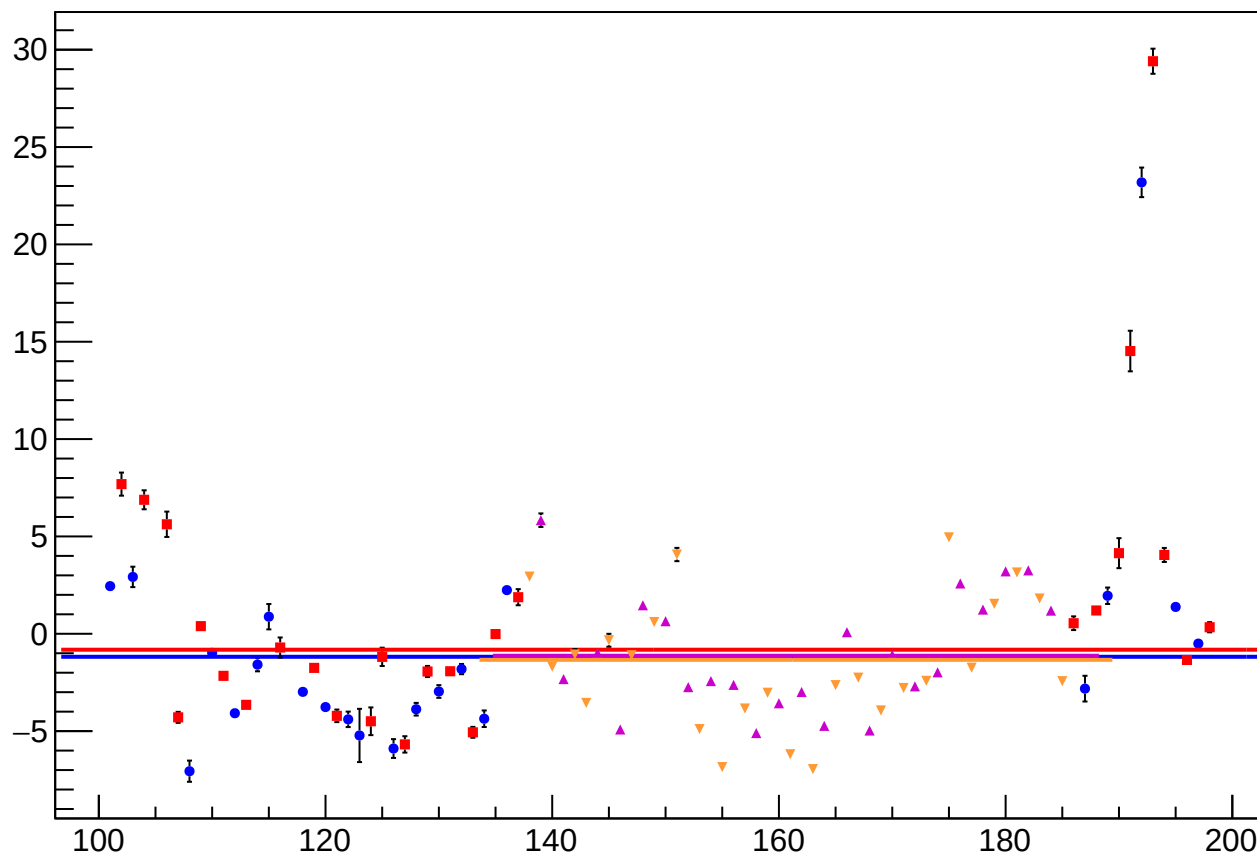
Right: -3.997 ± 0.041 $\chi^2/\text{NDF}: 38784.5/47$

In: 11.511 ± 0.033 $\chi^2/\text{NDF}: 125198.2/44$

Out: 10.170 ± 0.031 $\chi^2/\text{NDF}: 219867.2/50$

All: 10.811 ± 0.023 $\chi^2/\text{NDF}: 345941.2/95$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.182 ± 0.063 χ^2/NDF : 2627.4/21

Left Out: -1.338 ± 0.036 χ^2/NDF : 7920.8/24

Right Out: -0.819 ± 0.058 χ^2/NDF : 4377.0/25

Left In: -1.129 ± 0.034 χ^2/NDF : 6778.7/22

Left: -1.228 ± 0.025 χ^2/NDF : 14717.3/47

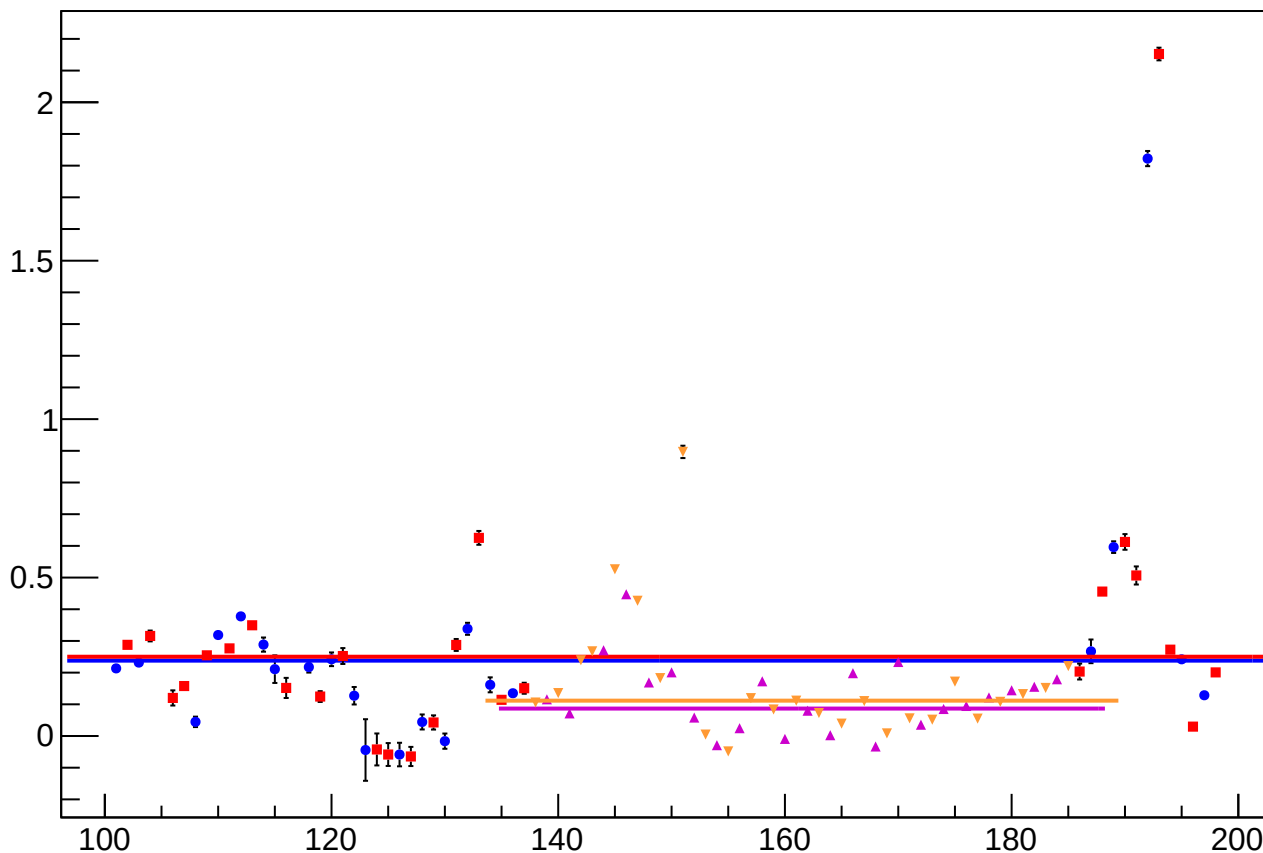
Right: -0.984 ± 0.043 χ^2/NDF : 7022.4/47

In: -1.141 ± 0.030 χ^2/NDF : 9406.7/44

Out: -1.193 ± 0.031 χ^2/NDF : 12356.1/50

All: -1.166 ± 0.021 χ^2/NDF : 21764.2/95

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.238 $\pm$ 0.003 χ^2 /NDF: 5707.8/21

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF: 4459.9/24

Right Out: 0.250 $\pm$ 0.003 χ^2 /NDF: 11638.3/25

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

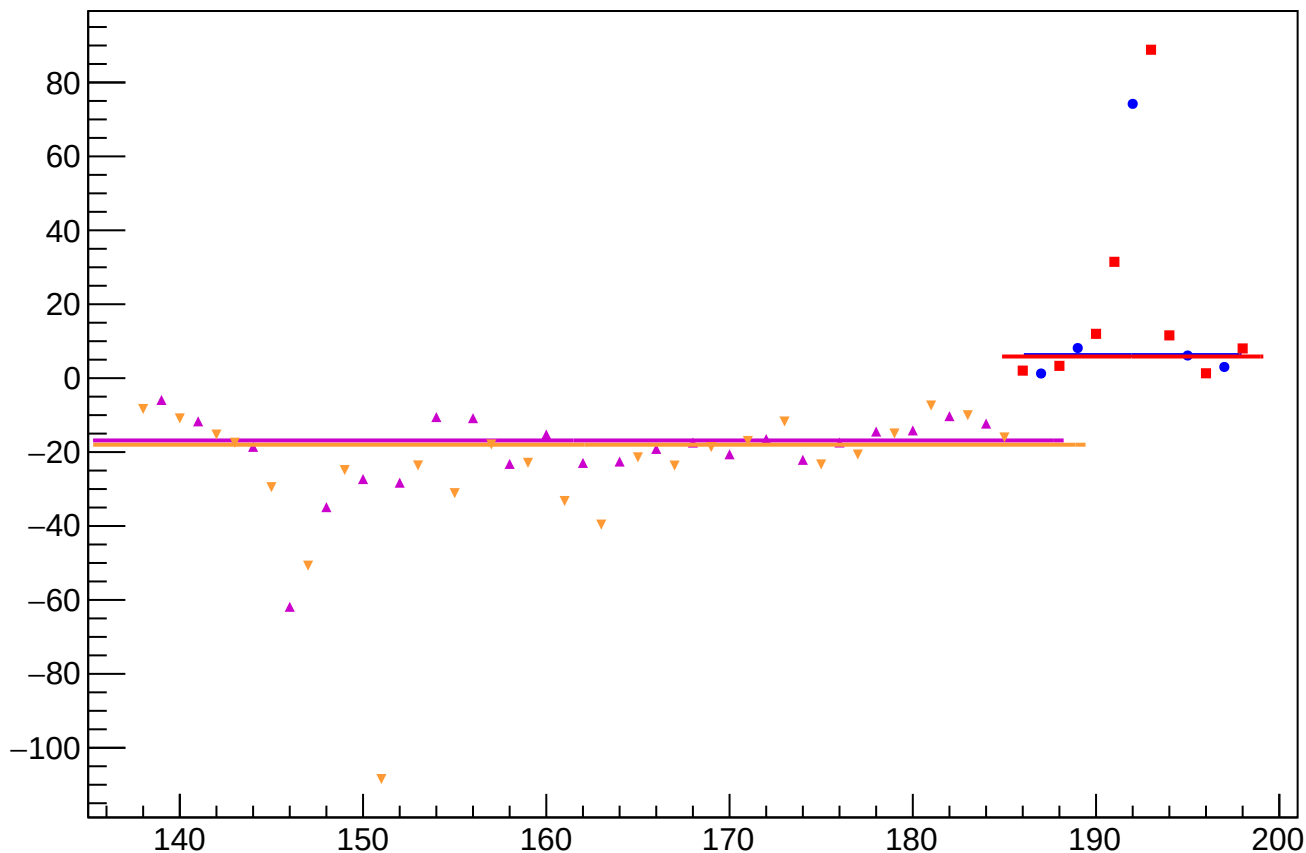
Right: 0.245 $\pm$ 0.002 χ^2 /NDF: 17354.6/47

In: 0.115 $\pm$ 0.001 χ^2 /NDF: 11257.9/44

Out: 0.146 $\pm$ 0.001 χ^2 /NDF: 17948.7/50

All: 0.130 $\pm$ 0.001 χ^2 /NDF: 29469.5/95

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.246 ± 0.099 $\chi^2/\text{NDF}: 11459.3/4$

Left Out: -18.004 ± 0.039 $\chi^2/\text{NDF}: 88352.2/24$

Right Out: 5.858 ± 0.074 $\chi^2/\text{NDF}: 25209.2/7$

Left In: -16.854 ± 0.038 $\chi^2/\text{NDF}: 44680.7/22$

Left: -17.415 ± 0.027 $\chi^2/\text{NDF}: 133485.7/47$

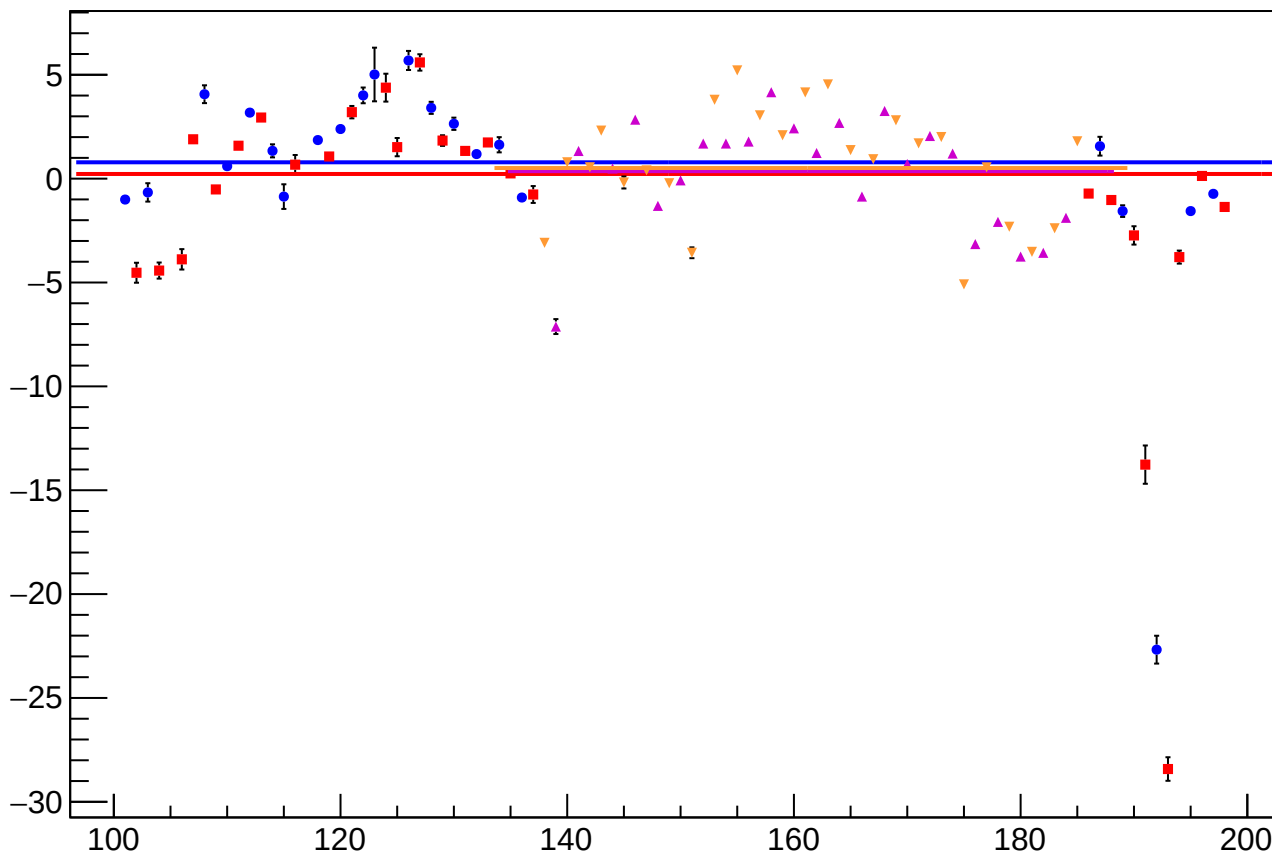
Right: 5.996 ± 0.059 $\chi^2/\text{NDF}: 36678.5/12$

In: -13.916 ± 0.035 $\chi^2/\text{NDF}: 103768.5/27$

Out: -12.848 ± 0.034 $\chi^2/\text{NDF}: 195778.8/32$

All: -13.366 ± 0.025 $\chi^2/\text{NDF}: 300019.1/60$

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.787 ± 0.054 $\chi^2/\text{NDF}: 2340.4/21$

Left Out: 0.511 ± 0.032 $\chi^2/\text{NDF}: 7053.0/24$

Right Out: 0.225 ± 0.049 $\chi^2/\text{NDF}: 4286.4/25$

Left In: 0.361 ± 0.030 $\chi^2/\text{NDF}: 6273.5/22$

Left: 0.432 ± 0.022 $\chi^2/\text{NDF}: 13338.0/47$

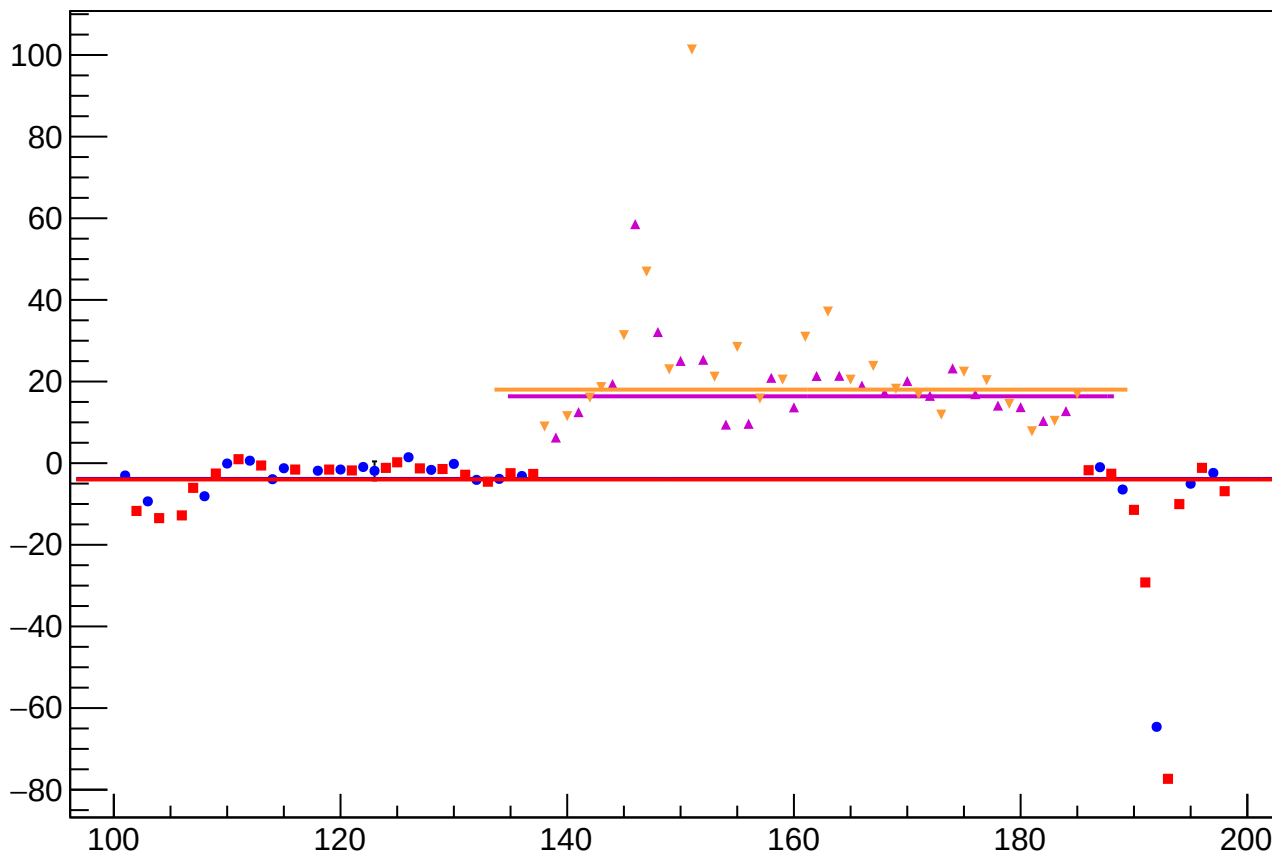
Right: 0.480 ± 0.036 $\chi^2/\text{NDF}: 6686.6/47$

In: 0.465 ± 0.026 $\chi^2/\text{NDF}: 8661.5/44$

Out: 0.425 ± 0.027 $\chi^2/\text{NDF}: 11363.3/50$

All: 0.445 ± 0.019 $\chi^2/\text{NDF}: 20025.9/95$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -3.866 ± 0.066 $\chi^2/\text{NDF}: 12515.3/21$

Left Out: 18.023 ± 0.039 $\chi^2/\text{NDF}: 77674.0/24$

Right Out: -3.990 ± 0.052 $\chi^2/\text{NDF}: 26920.8/25$

Left In: 16.377 ± 0.037 $\chi^2/\text{NDF}: 41253.5/22$

Left: 17.168 ± 0.027 $\chi^2/\text{NDF}: 119859.6/47$

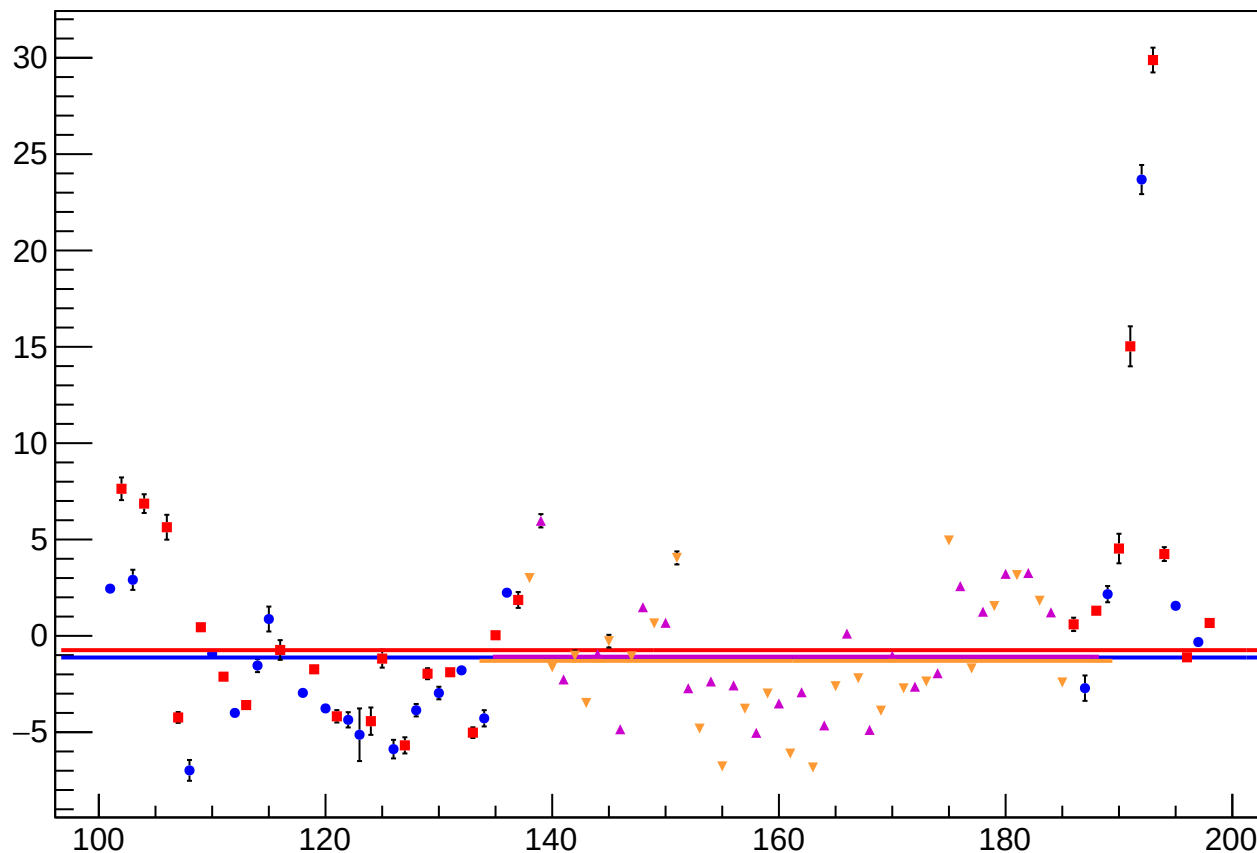
Right: -3.943 ± 0.041 $\chi^2/\text{NDF}: 39438.3/47$

In: 11.464 ± 0.033 $\chi^2/\text{NDF}: 124968.4/44$

Out: 10.099 ± 0.031 $\chi^2/\text{NDF}: 220114.2/50$

All: 10.751 ± 0.022 $\chi^2/\text{NDF}: 346002.3/95$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.123 ± 0.063 $\chi^2/\text{NDF}: 2699.2/21$

Left Out: -1.297 ± 0.036 $\chi^2/\text{NDF}: 7903.2/24$

Right Out: -0.743 ± 0.057 $\chi^2/\text{NDF}: 4519.9/25$

Left In: -1.081 ± 0.034 $\chi^2/\text{NDF}: 6764.0/22$

Left: -1.183 ± 0.025 $\chi^2/\text{NDF}: 14686.6/47$

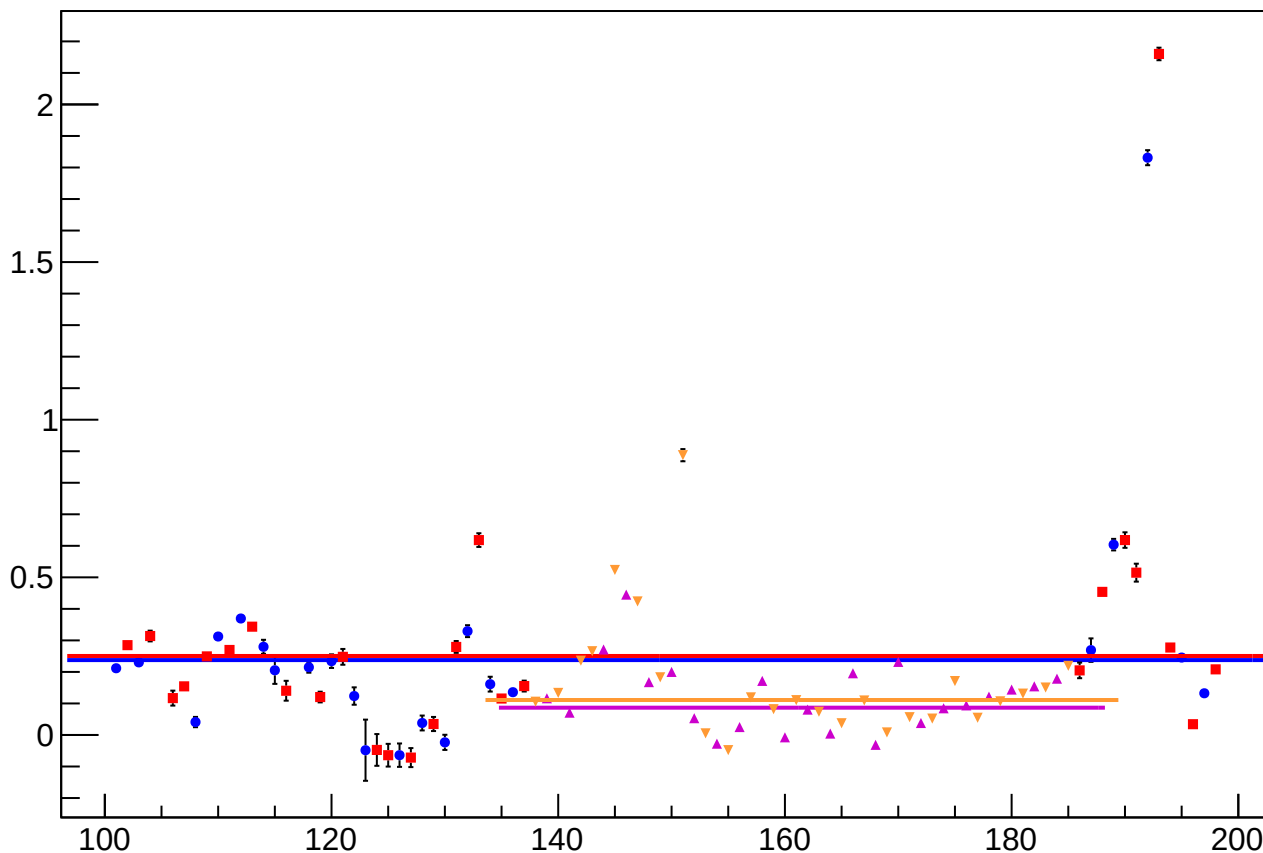
Right: -0.916 ± 0.042 $\chi^2/\text{NDF}: 7239.1/47$

In: -1.090 ± 0.030 $\chi^2/\text{NDF}: 9463.6/44$

Out: -1.143 ± 0.030 $\chi^2/\text{NDF}: 12490.4/50$

All: -1.116 ± 0.021 $\chi^2/\text{NDF}: 21955.5/95$

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.238+/-0.003 χ^2/NDF : 5799.4/21

Left Out: 0.111+/-0.002 χ^2/NDF : 4452.0/24

Right Out: 0.251+/-0.003 χ^2/NDF : 11774.4/25

Left In: 0.087+/-0.001 χ^2/NDF : 3631.4/22

Left: 0.098+/-0.001 χ^2/NDF : 8208.0/47

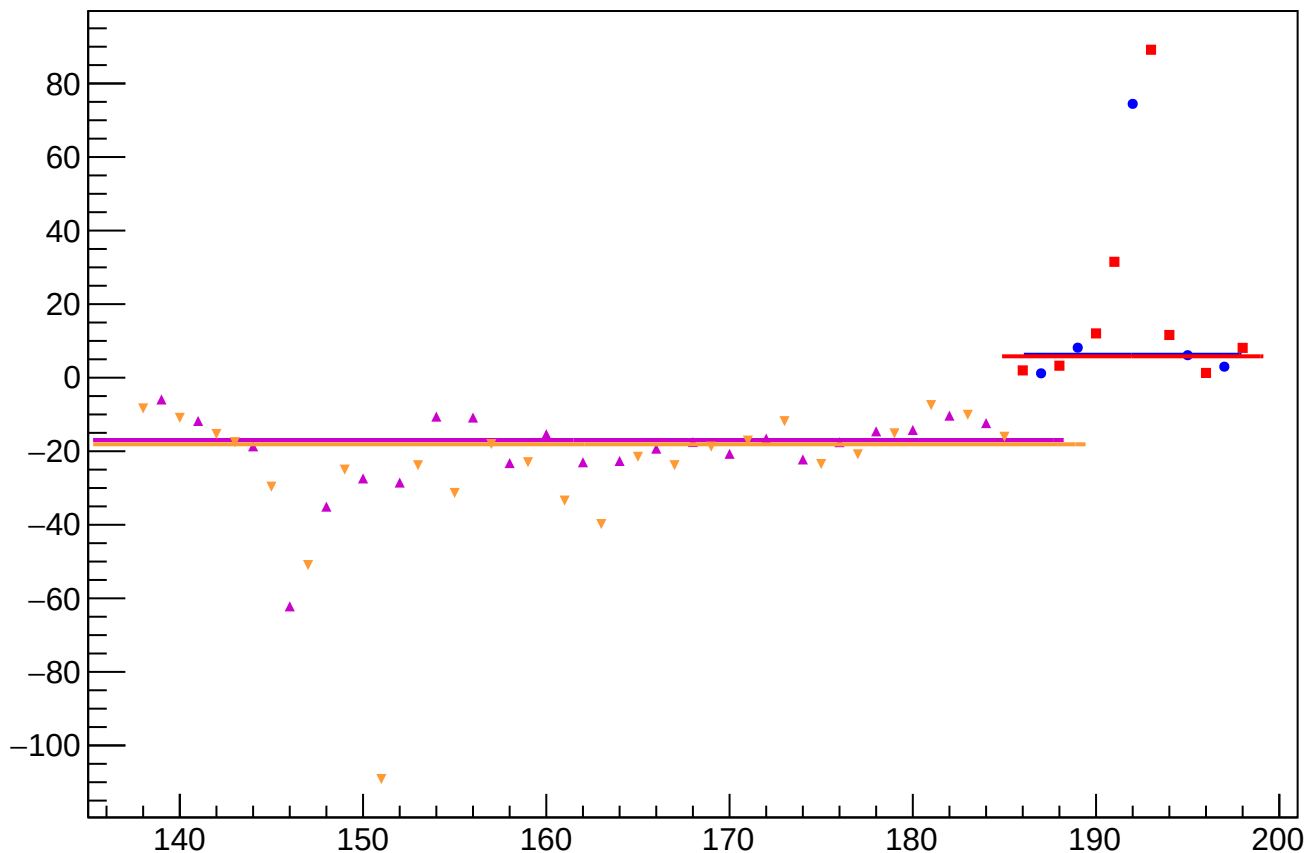
Right: 0.245+/-0.002 χ^2/NDF : 17583.6/47

In: 0.114+/-0.001 χ^2/NDF : 11330.2/44

Out: 0.145+/-0.001 χ^2/NDF : 18127.4/50

All: 0.129+/-0.001 χ^2/NDF : 29717.9/95

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.237 ± 0.099 $\chi^2/\text{NDF}: 11471.3/4$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88488.2/24$

Right Out: 5.809 ± 0.074 $\chi^2/\text{NDF}: 25230.5/7$

Left In: -16.945 ± 0.038 $\chi^2/\text{NDF}: 44756.2/22$

Left: -17.514 ± 0.027 $\chi^2/\text{NDF}: 133707.4/47$

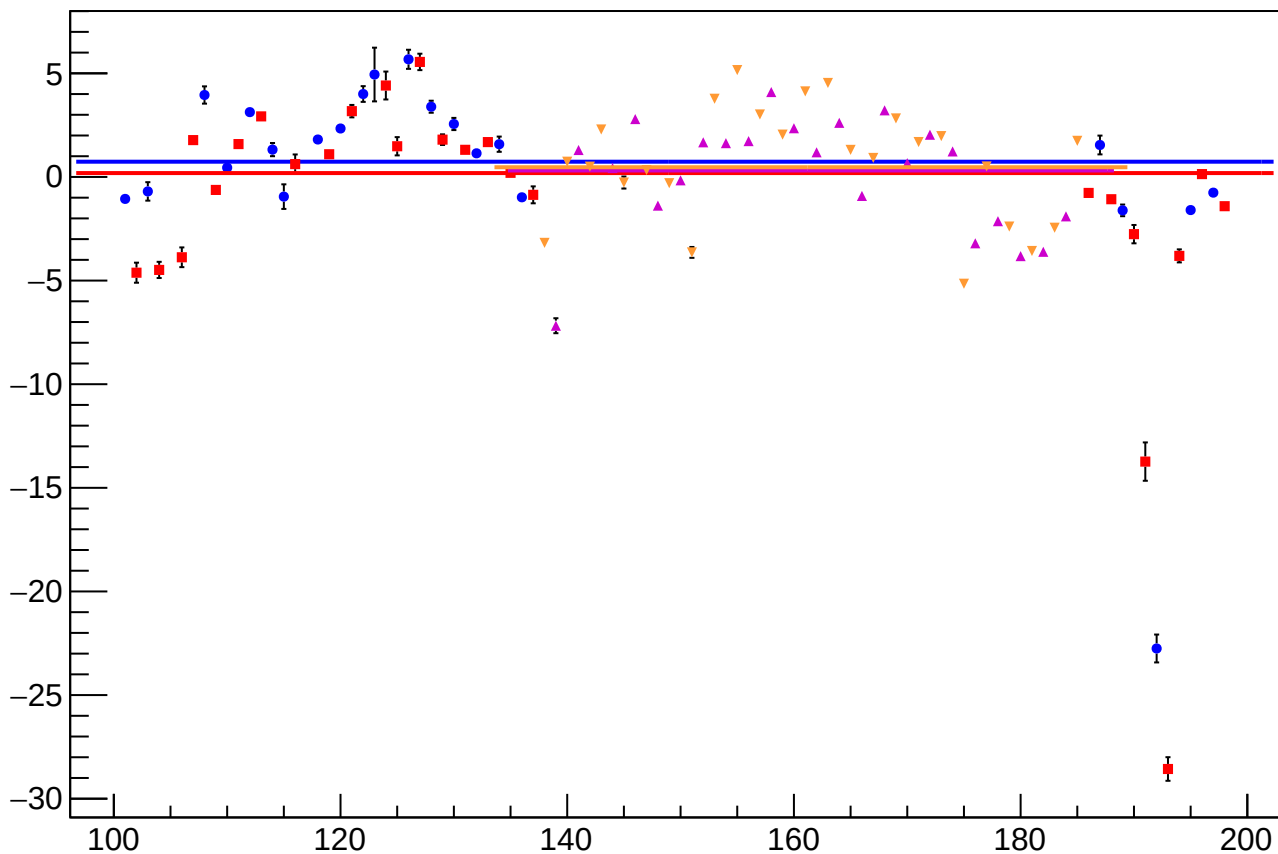
Right: 5.961 ± 0.059 $\chi^2/\text{NDF}: 36713.7/12$

In: -14.007 ± 0.035 $\chi^2/\text{NDF}: 103644.3/27$

Out: -12.921 ± 0.034 $\chi^2/\text{NDF}: 196001.7/32$

All: -13.448 ± 0.025 $\chi^2/\text{NDF}: 300130.7/60$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.736 $\pm$ 0.054 χ^2 /NDF: 2329.9/21

Left Out: 0.469 $\pm$ 0.032 χ^2 /NDF: 7076.8/24

Right Out: 0.187 $\pm$ 0.049 χ^2 /NDF: 4285.4/25

Left In: 0.313 $\pm$ 0.031 χ^2 /NDF: 6235.0/22

Left: 0.386 $\pm$ 0.022 χ^2 /NDF: 13324.1/47

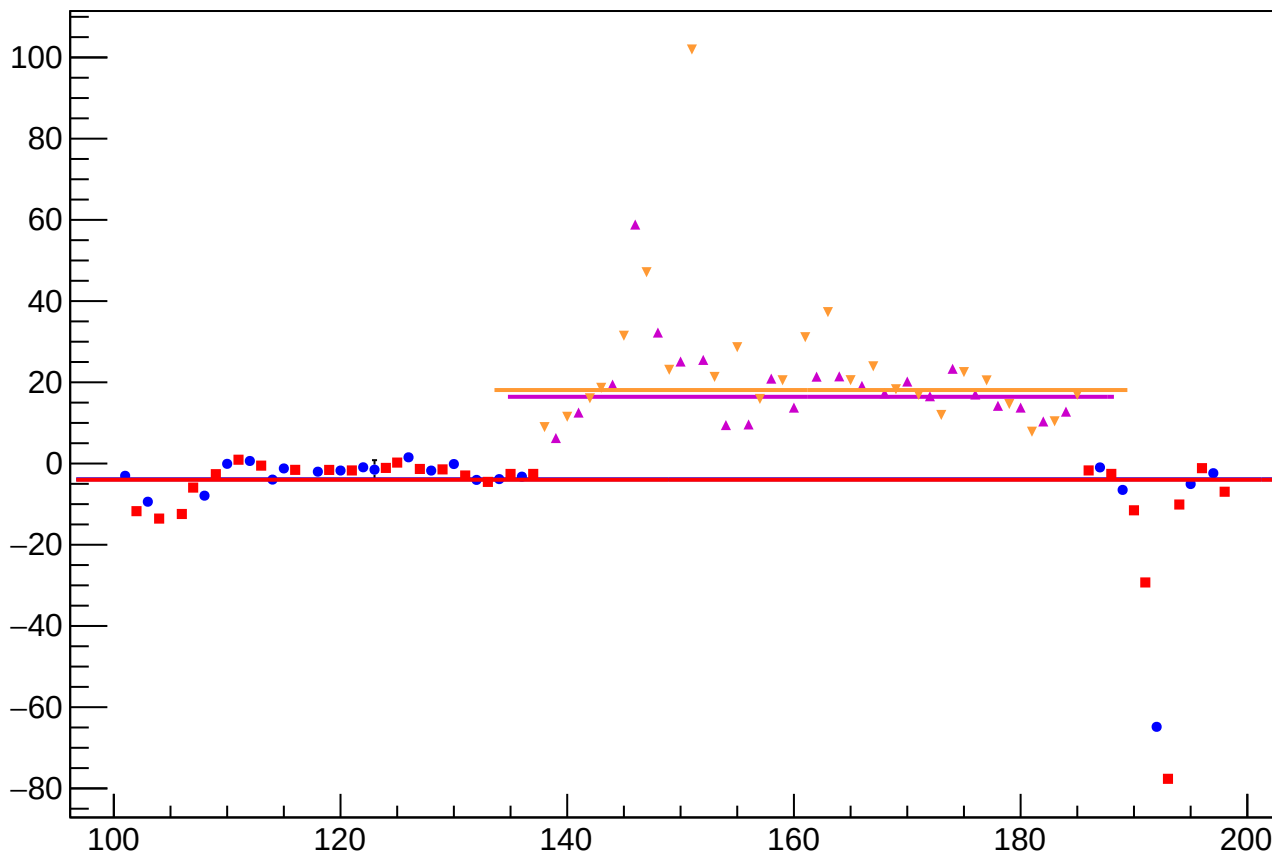
Right: 0.436 $\pm$ 0.036 χ^2 /NDF: 6671.9/47

In: 0.416 $\pm$ 0.027 χ^2 /NDF: 8611.6/44

Out: 0.384 $\pm$ 0.027 χ^2 /NDF: 11385.1/50

All: 0.400 $\pm$ 0.019 χ^2 /NDF: 19997.4/95

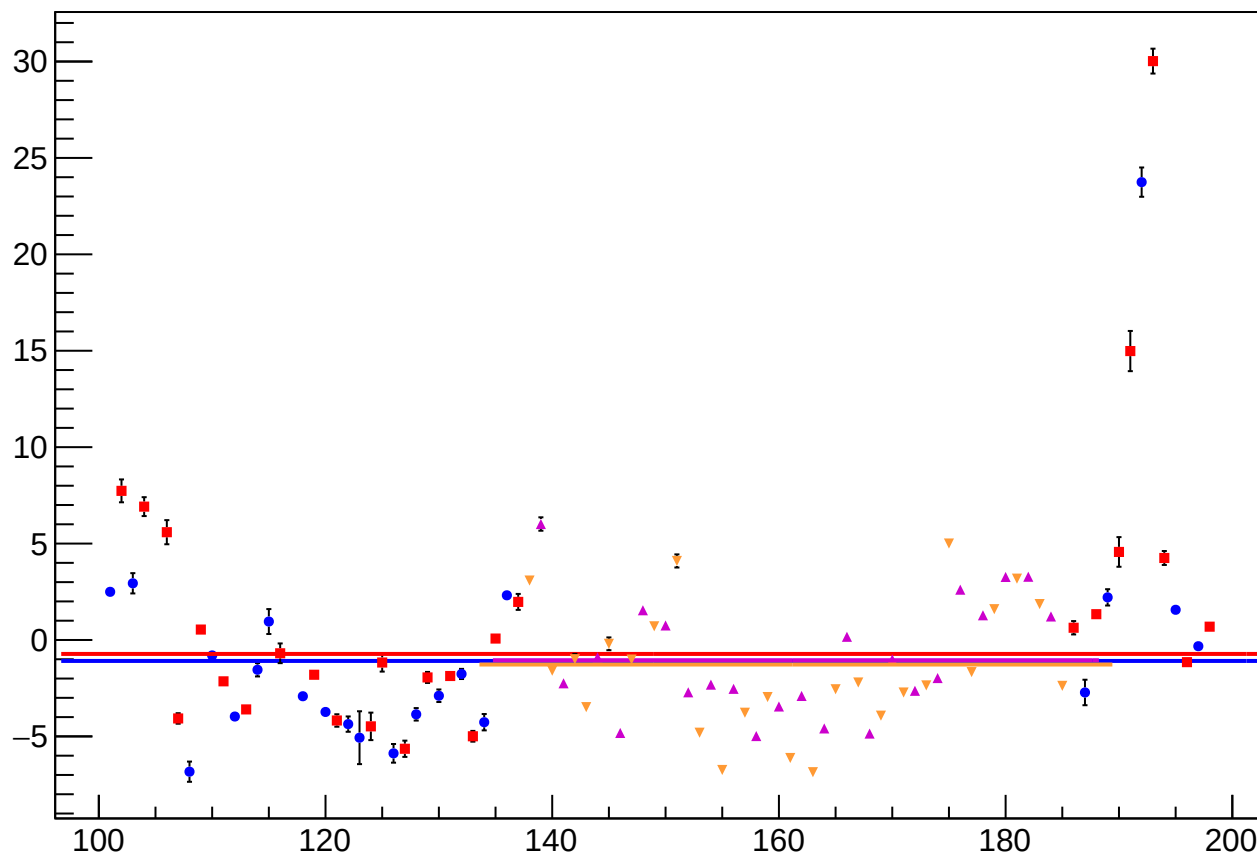
reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -3.884 ± 0.066 $\chi^2/\text{NDF}: 12519.1/21$
 Left Out: 18.098 ± 0.039 $\chi^2/\text{NDF}: 77793.7/24$
 Right Out: -3.992 ± 0.052 $\chi^2/\text{NDF}: 26917.5/25$
 Left In: 16.431 ± 0.038 $\chi^2/\text{NDF}: 41337.1/22$

Left: 17.232 ± 0.027 $\chi^2/\text{NDF}: 120078.5/47$
 Right: -3.951 ± 0.041 $\chi^2/\text{NDF}: 39438.2/47$
 In: 11.515 ± 0.033 $\chi^2/\text{NDF}: 124808.9/44$
 Out: 10.126 ± 0.031 $\chi^2/\text{NDF}: 220330.7/50$
 All: 10.789 ± 0.023 $\chi^2/\text{NDF}: 346084.7/95$

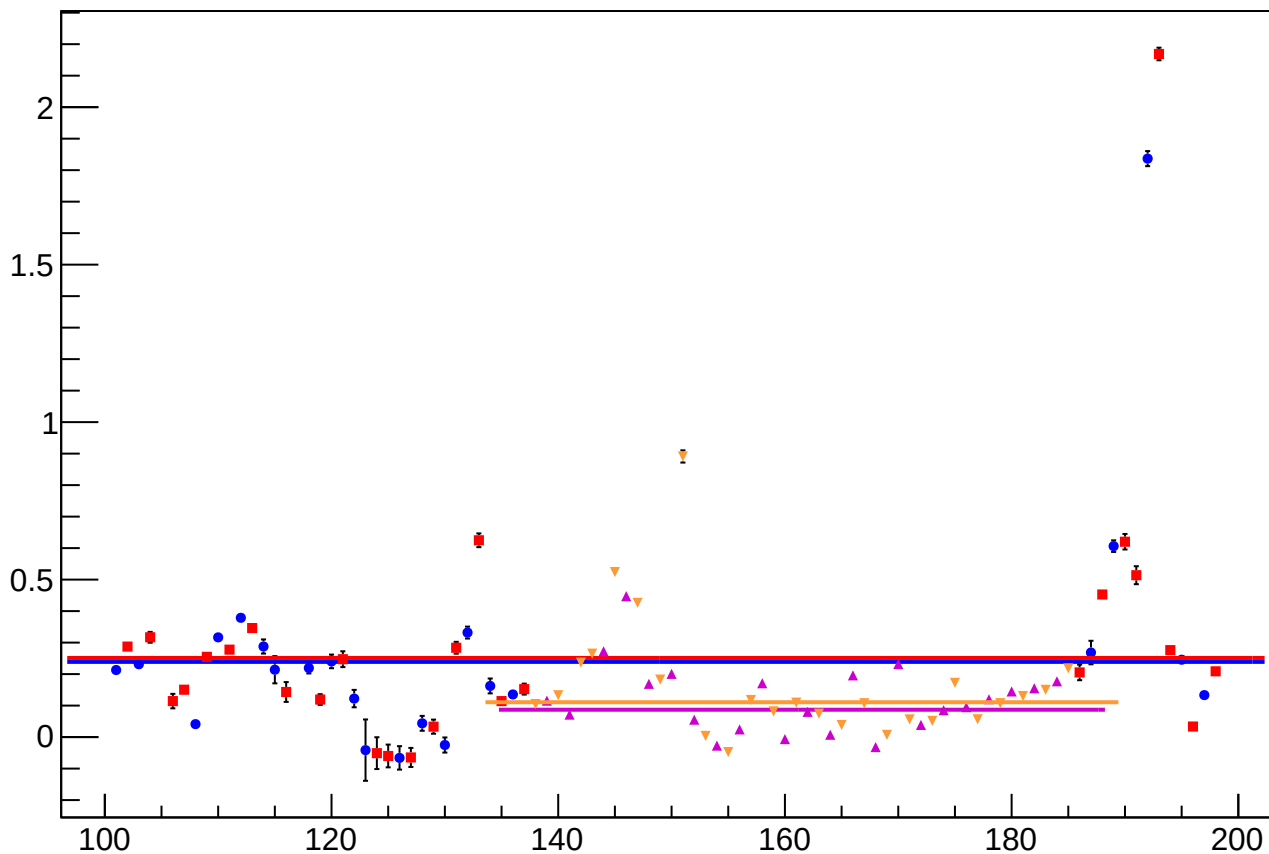
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.087 ± 0.063 $\chi^2/\text{NDF}: 2692.4/21$
 Left Out: -1.273 ± 0.036 $\chi^2/\text{NDF}: 7931.0/24$
 Right Out: -0.723 ± 0.058 $\chi^2/\text{NDF}: 4522.9/25$
 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: -0.888 ± 0.043 $\chi^2/\text{NDF}: 7233.3/47$
 In: -1.058 ± 0.030 $\chi^2/\text{NDF}: 9405.6/44$
 Out: -1.120 ± 0.030 $\chi^2/\text{NDF}: 12519.4/50$
 All: -1.088 ± 0.021 $\chi^2/\text{NDF}: 21927.1/95$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.239 $\pm$ 0.003 χ^2 /NDF: 5815.5/21

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF:4430.3/24

Right Out: 0.251 $\pm$ 0.003 χ^2 /NDF: 11789.5/25

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

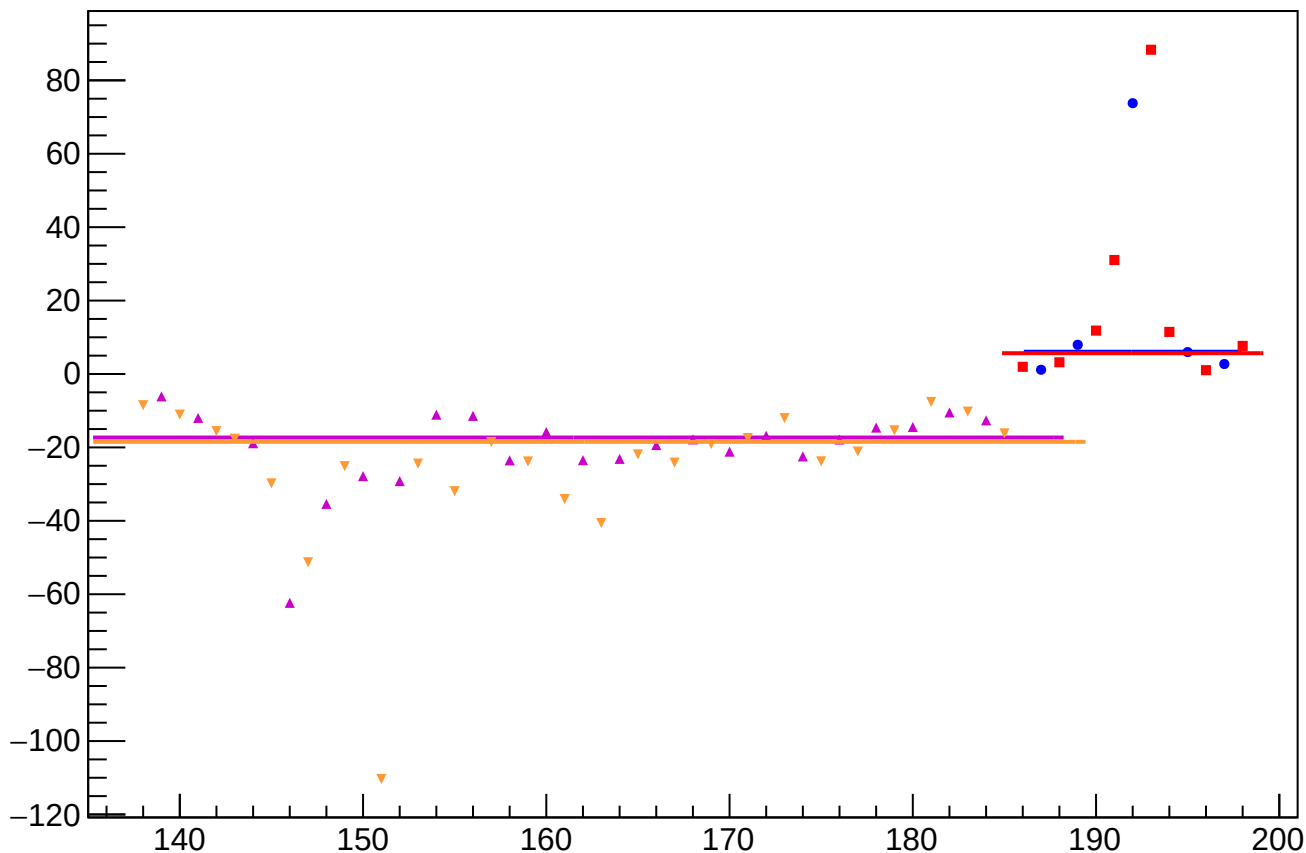
Right: 0.246 $\pm$ 0.002 χ^2 /NDF: 17613.6/47

In: 0.115 $\pm$ 0.001 χ^2 /NDF:11326.7/44

Out: 0.146 $\pm$ 0.001 χ^2 /NDF:18129.3/50

All: 0.130 $\pm$ 0.001 χ^2 /NDF: 29707.6/95

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.061 ± 0.100 $\chi^2/\text{NDF}: 11252.1/4$

Left Out: -18.478 ± 0.040 $\chi^2/\text{NDF}: 87856.5/24$

Right Out: 5.667 ± 0.074 $\chi^2/\text{NDF}: 24708.5/7$

Left In: -17.309 ± 0.039 $\chi^2/\text{NDF}: 43807.0/22$

Left: -17.879 ± 0.028 $\chi^2/\text{NDF}: 132106.2/47$

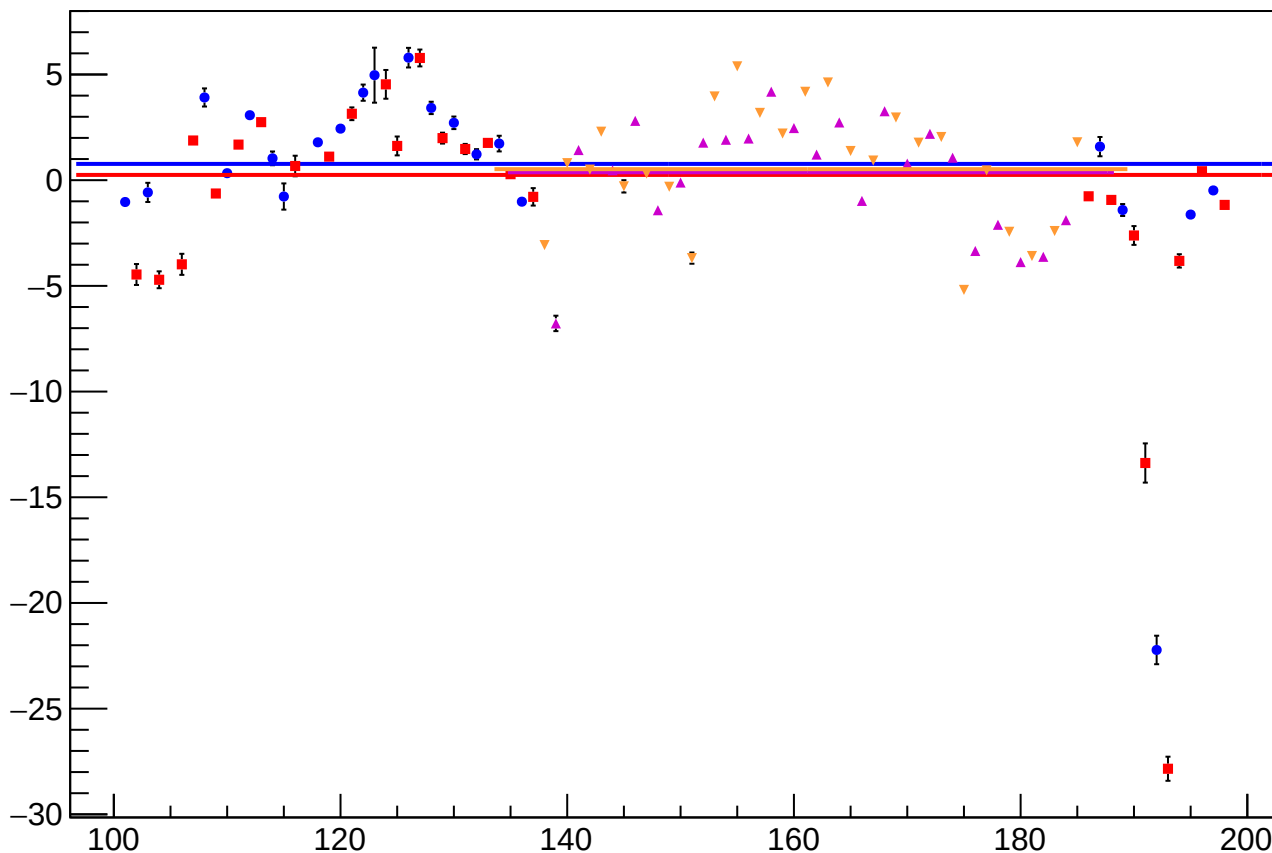
Right: 5.806 ± 0.060 $\chi^2/\text{NDF}: 35970.7/12$

In: -14.254 ± 0.036 $\chi^2/\text{NDF}: 102483.6/27$

Out: -13.084 ± 0.035 $\chi^2/\text{NDF}: 195001.1/32$

All: -13.650 ± 0.025 $\chi^2/\text{NDF}: 298024.9/60$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.770 $\pm$ 0.055 χ^2 /NDF: 2234.8/21

Left Out: 0.522 $\pm$ 0.033 χ^2 /NDF:7038.3/24

Right Out: 0.249 $\pm$ 0.050 χ^2 /NDF: 4101.3/25

Left In: 0.373 $\pm$ 0.031 χ^2 /NDF:6263.9/22

Left: 0.443 $\pm$ 0.023 χ^2 /NDF: 13312.8/47

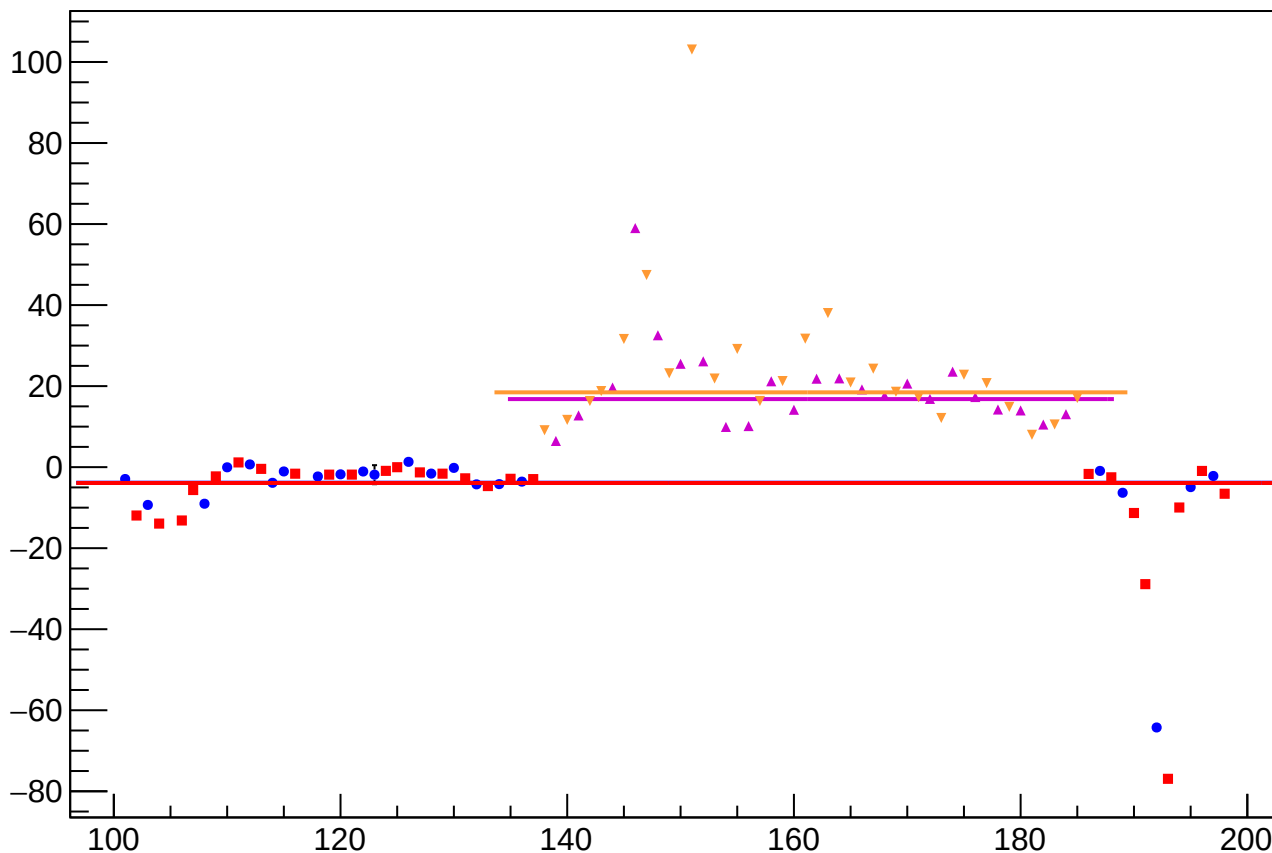
Right: 0.486 $\pm$ 0.037 χ^2 /NDF: 6385.6/47

In: 0.471 $\pm$ 0.027 χ^2 /NDF:8538.3/44

Out: 0.439 $\pm$ 0.028 χ^2 /NDF:11160.4/50

All: 0.455 $\pm$ 0.019 χ^2 /NDF: 19699.3/95

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -3.841 ± 0.067 $\chi^2/\text{NDF}: 12239.9/21$

Left Out: 18.463 ± 0.040 $\chi^2/\text{NDF}: 77193.5/24$

Right Out: -3.909 ± 0.052 $\chi^2/\text{NDF}: 26367.0/25$

Left In: 16.798 ± 0.038 $\chi^2/\text{NDF}: 40258.9/22$

Left: 17.599 ± 0.028 $\chi^2/\text{NDF}: 118354.8/47$

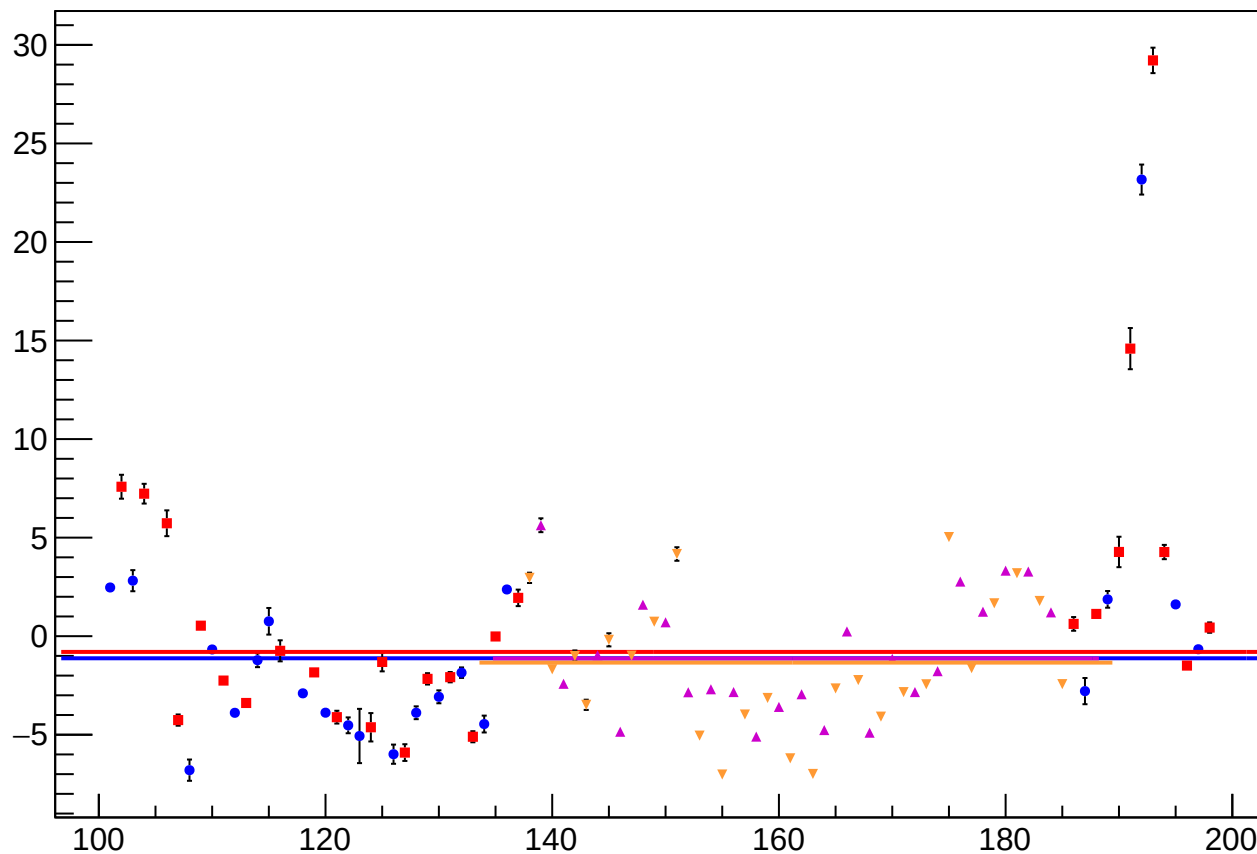
Right: -3.883 ± 0.041 $\chi^2/\text{NDF}: 38607.5/47$

In: 11.698 ± 0.033 $\chi^2/\text{NDF}: 123792.6/44$

Out: 10.244 ± 0.032 $\chi^2/\text{NDF}: 218910.8/50$

All: 10.936 ± 0.023 $\chi^2/\text{NDF}: 343700.5/95$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.122 ± 0.064 $\chi^2/\text{NDF}: 2607.5/21$

Left Out: -1.341 ± 0.037 $\chi^2/\text{NDF}: 7886.0/24$

Right Out: -0.798 ± 0.059 $\chi^2/\text{NDF}: 4344.1/25$

Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6743.4/22$

Left: -1.231 ± 0.025 $\chi^2/\text{NDF}: 14646.5/47$

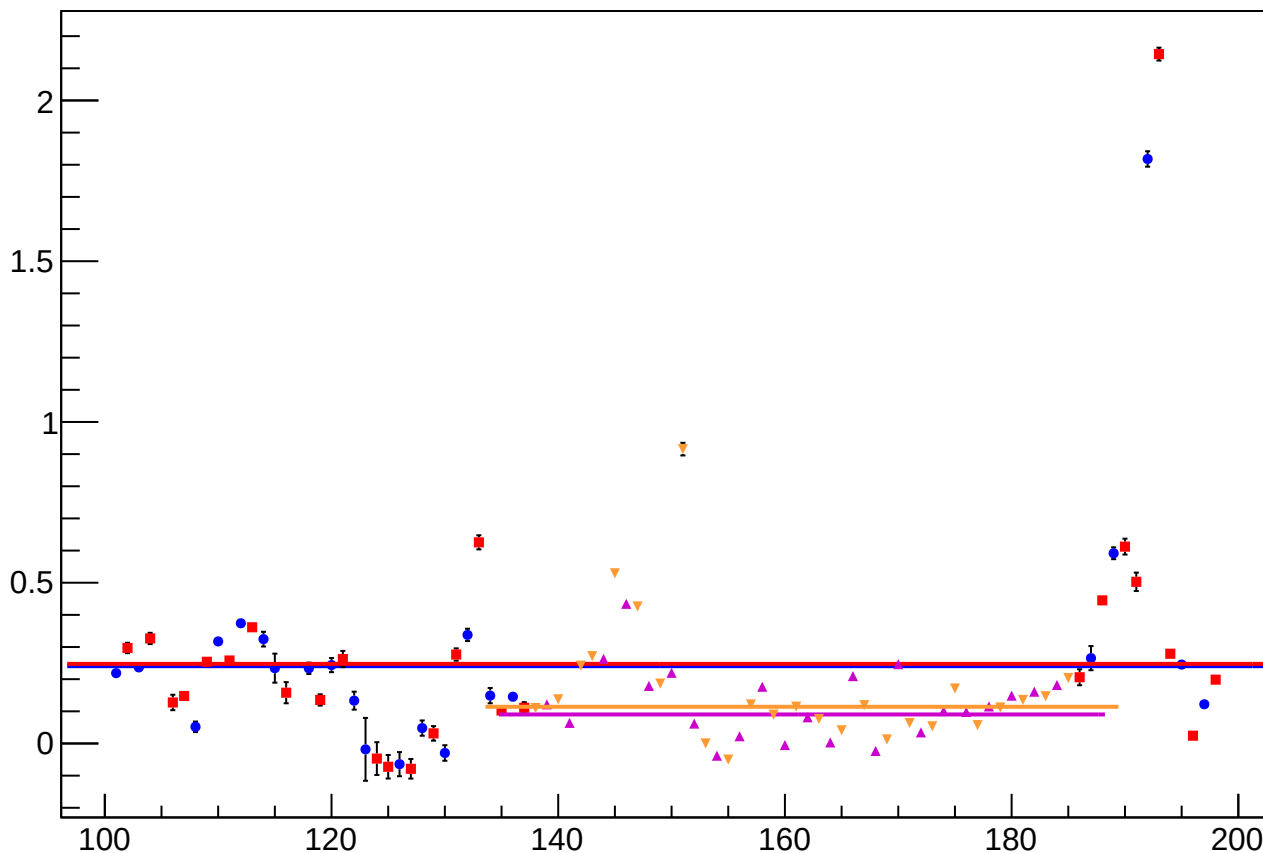
Right: -0.945 ± 0.043 $\chi^2/\text{NDF}: 6965.5/47$

In: -1.129 ± 0.031 $\chi^2/\text{NDF}: 9350.9/44$

Out: -1.188 ± 0.031 $\chi^2/\text{NDF}: 12291.7/50$

All: -1.158 ± 0.022 $\chi^2/\text{NDF}: 21644.5/95$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.240+/-0.003 χ^2/NDF : 5634.9/21

Left Out: 0.114+/-0.002 χ^2/NDF : 4382.5/24

Right Out: 0.248+/-0.003 χ^2/NDF : 11633.1/25

Left In: 0.090+/-0.002 χ^2/NDF : 3679.2/22

Left: 0.101+/-0.001 χ^2/NDF : 8175.2/47

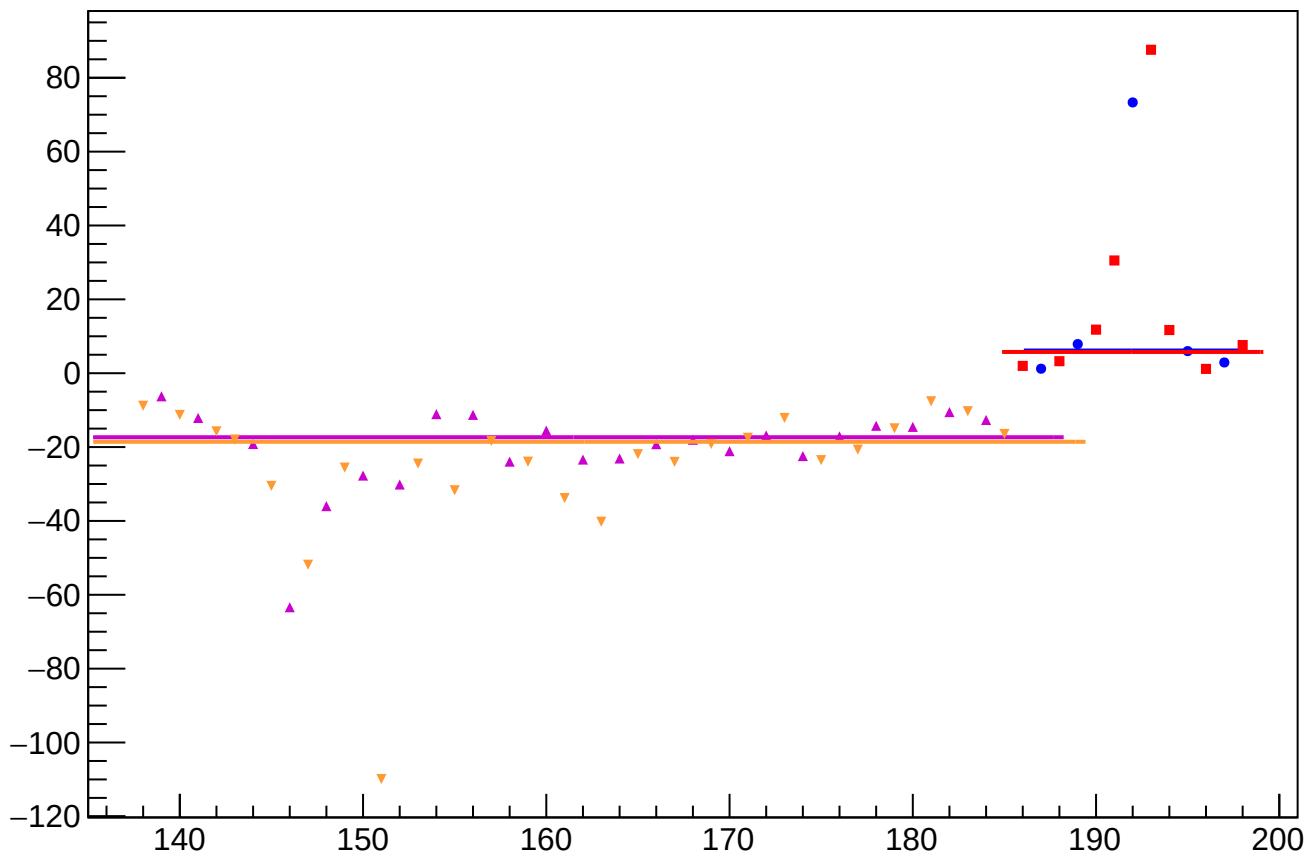
Right: 0.244+/-0.002 χ^2/NDF : 17270.8/47

In: 0.118+/-0.001 χ^2/NDF : 11122.0/44

Out: 0.148+/-0.001 χ^2/NDF : 17684.0/50

All: 0.133+/-0.001 χ^2/NDF : 29024.1/95

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.145 ± 0.101 $\chi^2/\text{NDF}: 10940.8/4$

Left Out: -18.565 ± 0.040 $\chi^2/\text{NDF}: 86349.5/24$

Right Out: 5.757 ± 0.075 $\chi^2/\text{NDF}: 24095.4/7$

Left In: -17.335 ± 0.039 $\chi^2/\text{NDF}: 44078.7/22$

Left: -17.934 ± 0.028 $\chi^2/\text{NDF}: 130909.9/47$

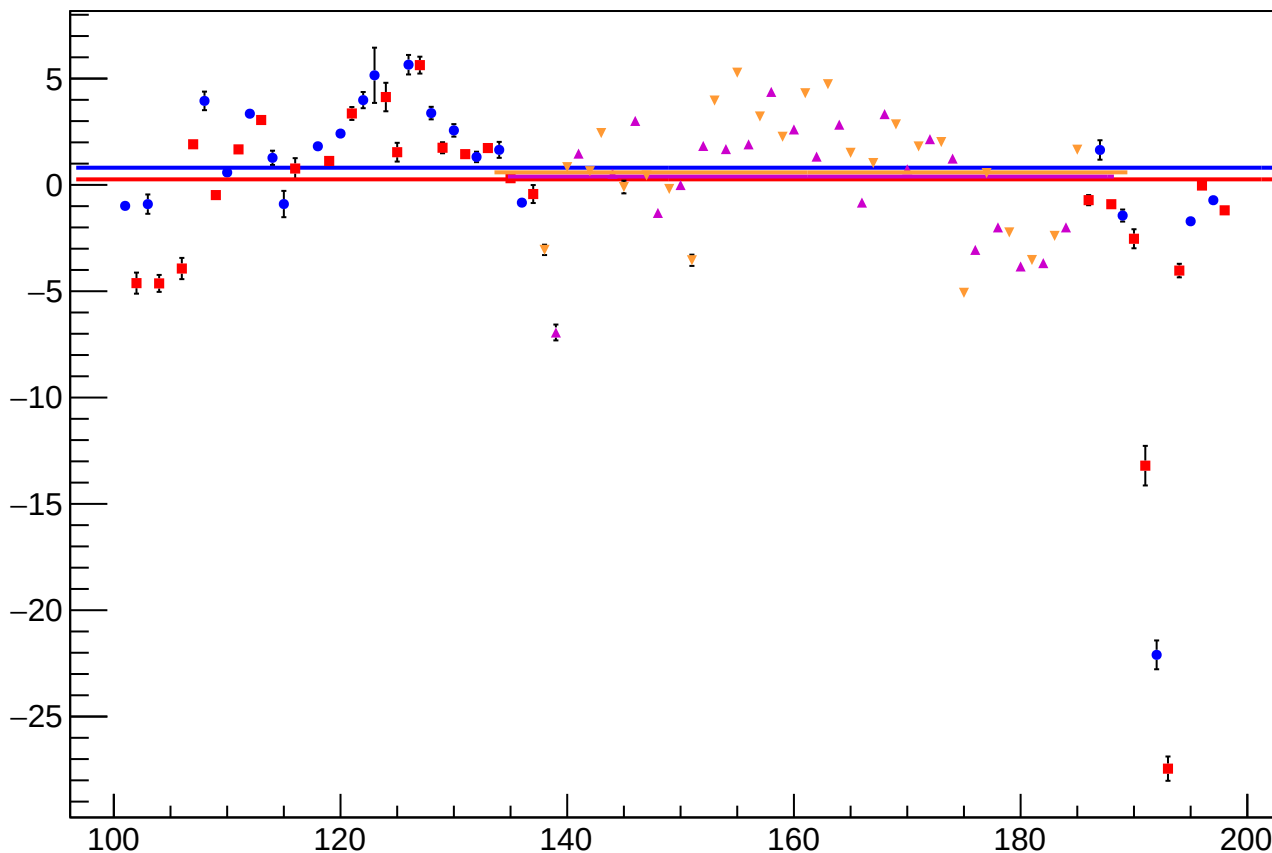
Right: 5.895 ± 0.060 $\chi^2/\text{NDF}: 35045.6/12$

In: -14.273 ± 0.037 $\chi^2/\text{NDF}: 101940.9/27$

Out: -13.156 ± 0.035 $\chi^2/\text{NDF}: 192093.6/32$

All: -13.697 ± 0.025 $\chi^2/\text{NDF}: 294516.8/60$

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.809+/-0.055 χ^2/NDF : 2223.3/21

Left Out: 0.590+/-0.033 χ^2/NDF : 6780.3/24

Right Out: 0.261+/-0.051 χ^2/NDF : 4026.3/25

Left In: 0.394+/-0.032 χ^2/NDF : 6112.7/22

Left: 0.487+/-0.023 χ^2/NDF : 12911.2/47

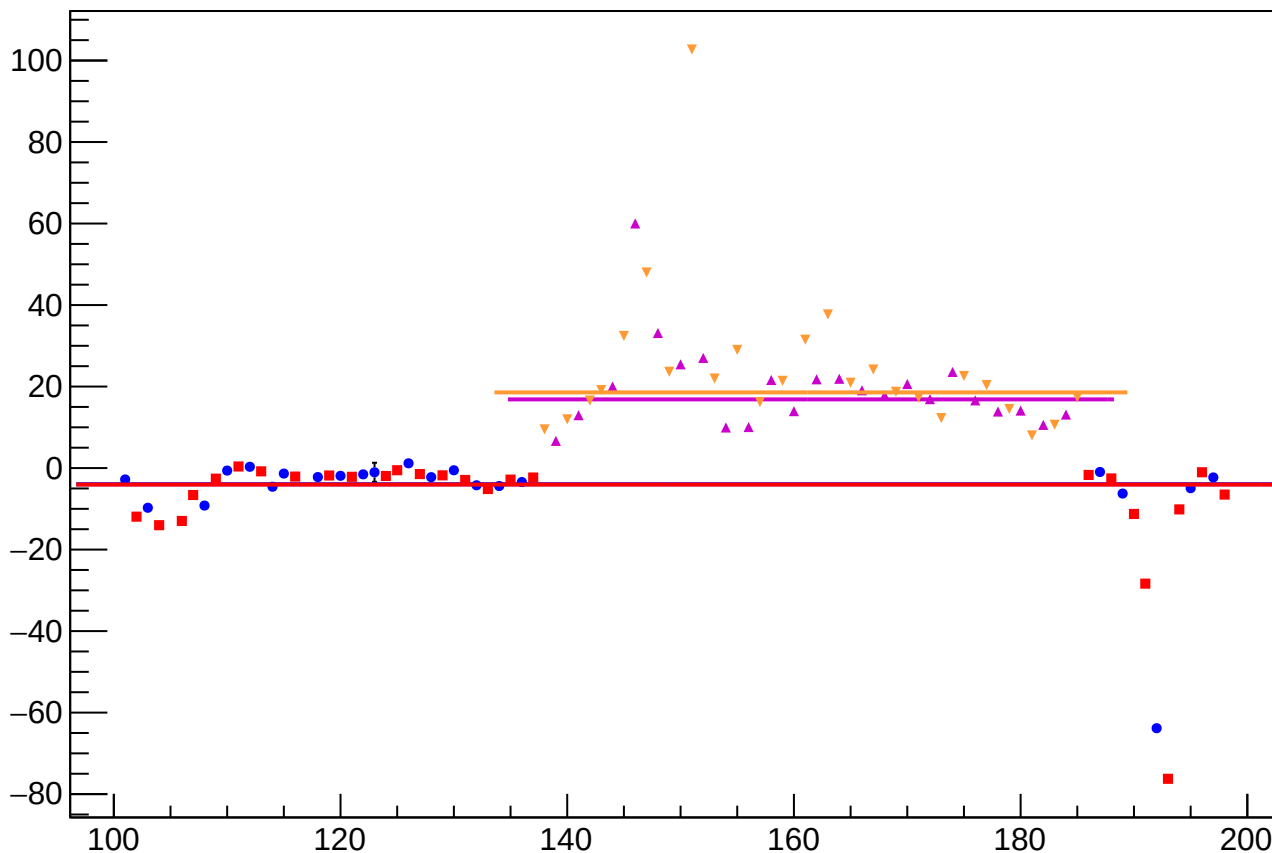
Right: 0.510+/-0.037 χ^2/NDF : 6303.2/47

In: 0.497+/-0.027 χ^2/NDF : 8378.4/44

Out: 0.491+/-0.028 χ^2/NDF : 10836.3/50

All: 0.494+/-0.020 χ^2/NDF : 19214.7/95

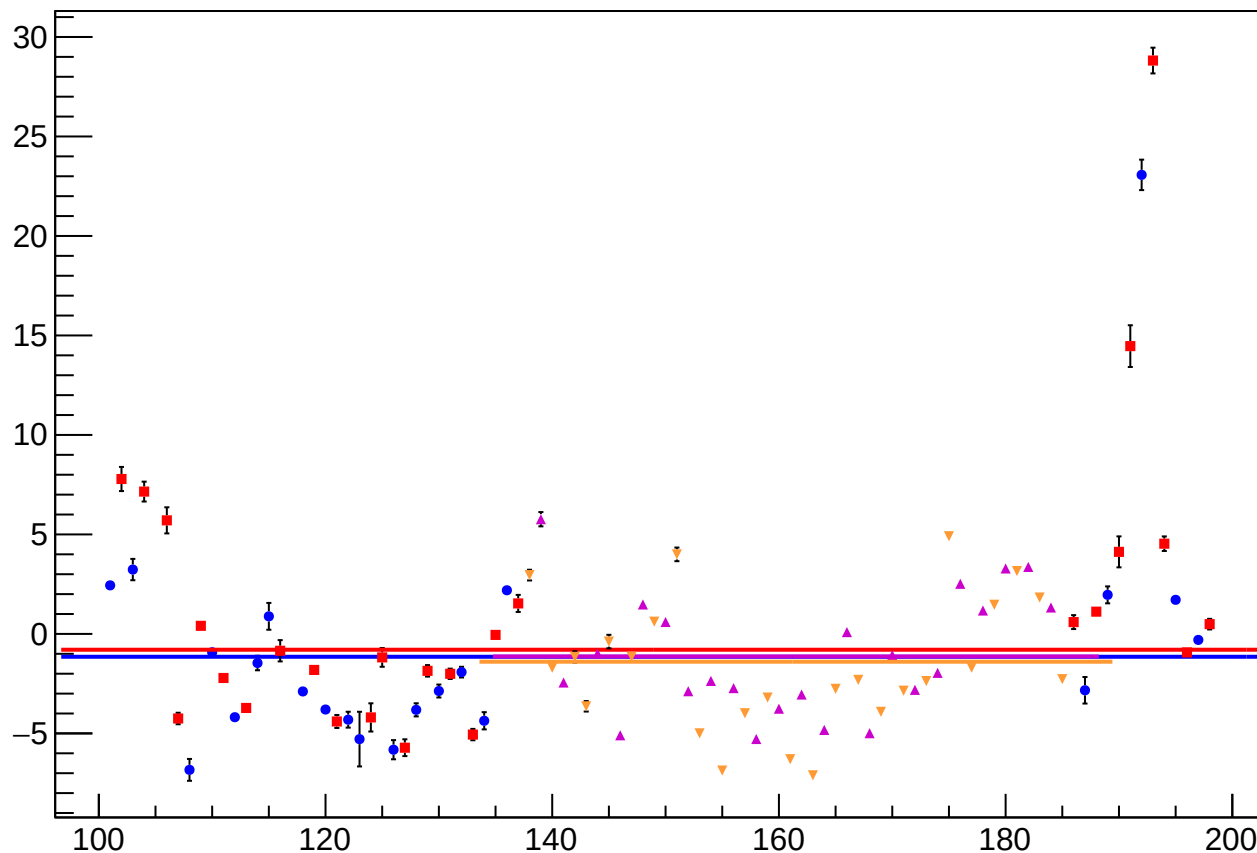
reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -3.970±/0.068 χ^2/NDF : 11818.0/21
 Left Out: 18.569±/0.040 χ^2/NDF : 75983.2/24
 Right Out: -4.043±/0.053 χ^2/NDF : 25572.9/25
 Left In: 16.854±/0.039 χ^2/NDF : 40590.0/22

Left: 17.679±/0.028 χ^2/NDF : 117514.0/47
 Right: -4.015±/0.042 χ^2/NDF : 37391.6/47
 In: 11.732±/0.034 χ^2/NDF : 123365.8/44
 Out: 10.323±/0.032 χ^2/NDF : 216375.5/50
 All: 10.994±/0.023 χ^2/NDF : 340658.5/95

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected

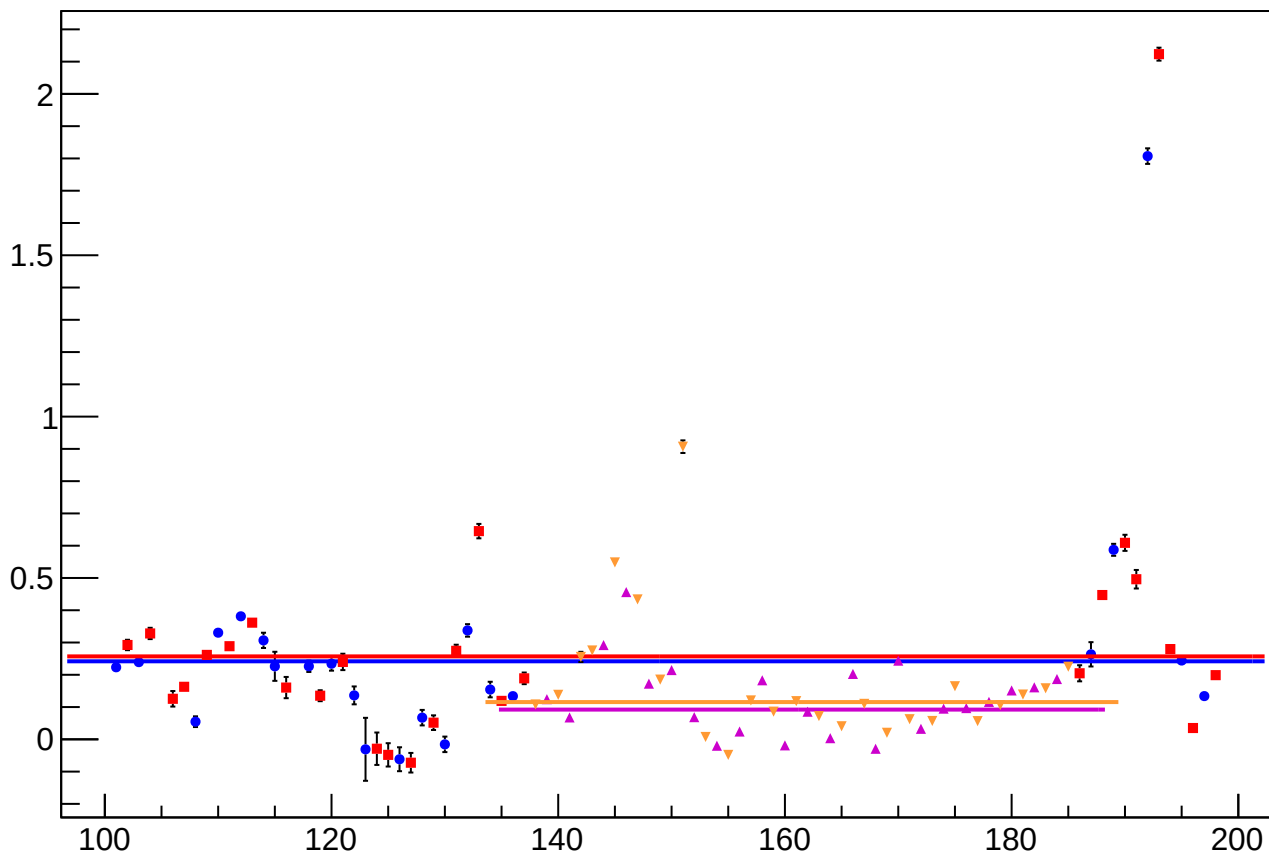


Right In: -1.149 ± 0.065 $\chi^2/\text{NDF}: 2565.3/21$
 Left Out: -1.397 ± 0.037 $\chi^2/\text{NDF}: 7631.3/24$
 Right Out: -0.795 ± 0.059 $\chi^2/\text{NDF}: 4255.7/25$
 Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6638.3/22$

Left: -1.258 ± 0.025 $\chi^2/\text{NDF}: 14296.5/47$
 Right: -0.956 ± 0.044 $\chi^2/\text{NDF}: 6837.2/47$
 In: -1.136 ± 0.031 $\chi^2/\text{NDF}: 9203.7/44$
 Out: -1.229 ± 0.031 $\chi^2/\text{NDF}: 11960.9/50$

All: -1.182 ± 0.022 $\chi^2/\text{NDF}: 21169.1/95$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.242 ± 0.003 $\chi^2/\text{NDF}: 5468.3/21$

Left Out: 0.115 ± 0.002 $\chi^2/\text{NDF}: 4423.4/24$

Right Out: 0.257 ± 0.003 $\chi^2/\text{NDF}: 11113.9/25$

Left In: 0.092 ± 0.002 $\chi^2/\text{NDF}: 3632.6/22$

Left: 0.103 ± 0.001 $\chi^2/\text{NDF}: 8162.4/47$

Right: 0.250 ± 0.002 $\chi^2/\text{NDF}: 16594.6/47$

In: 0.120 ± 0.001 $\chi^2/\text{NDF}: 10853.4/44$

Out: 0.151 ± 0.001 $\chi^2/\text{NDF}: 17356.7/50$

All: 0.135 ± 0.001 $\chi^2/\text{NDF}: 28442.2/95$