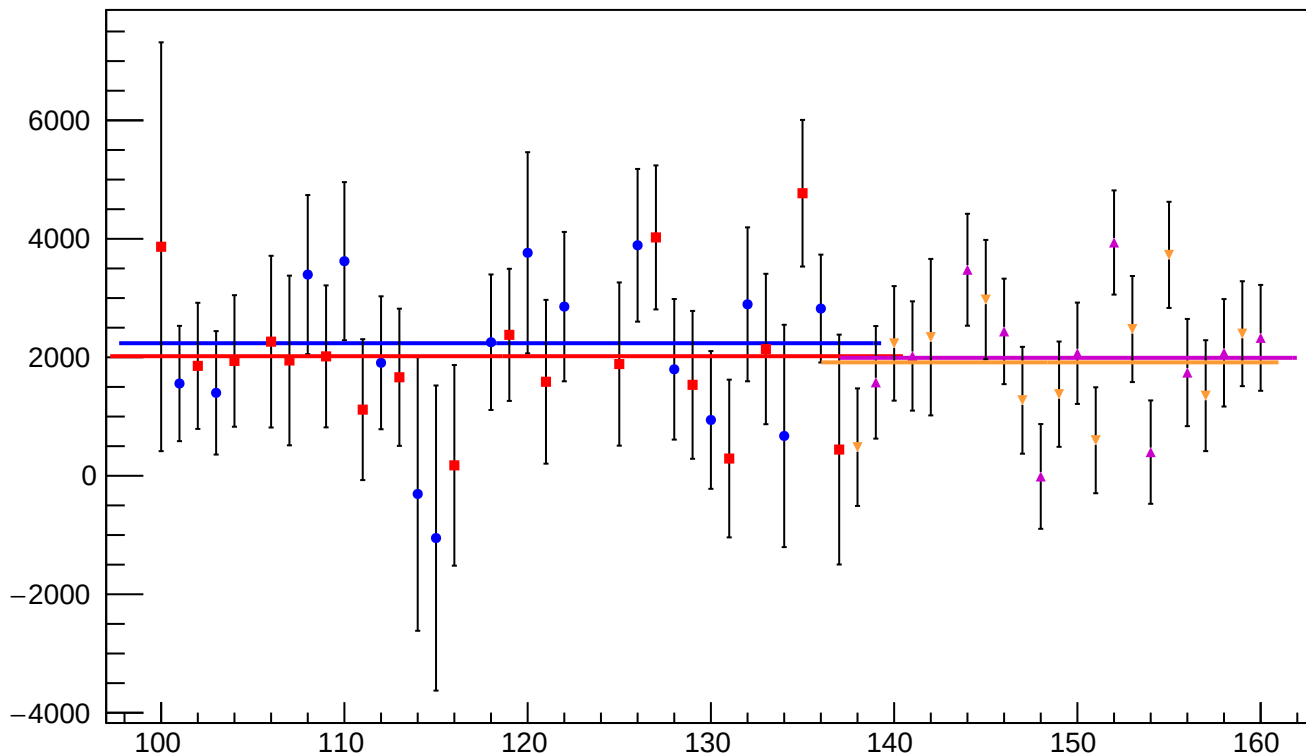


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2237.929+/-314.642

Left Out: 1915.006+/-285.125

Right Out: 2018.625+/-308.362

Left In: 1991.370+/-271.114

χ^2/NDF : 11.3/15

χ^2/NDF : 11.6/10

χ^2/NDF : 12.6/17

χ^2/NDF : 16.5/10

Left: 1955.111+/-196.473

Right: 2126.067+/-220.232

In: 2096.428+/-205.386

Out: 1962.765+/-209.347

All: 2030.873+/-146.610

χ^2/NDF : 28.1/21

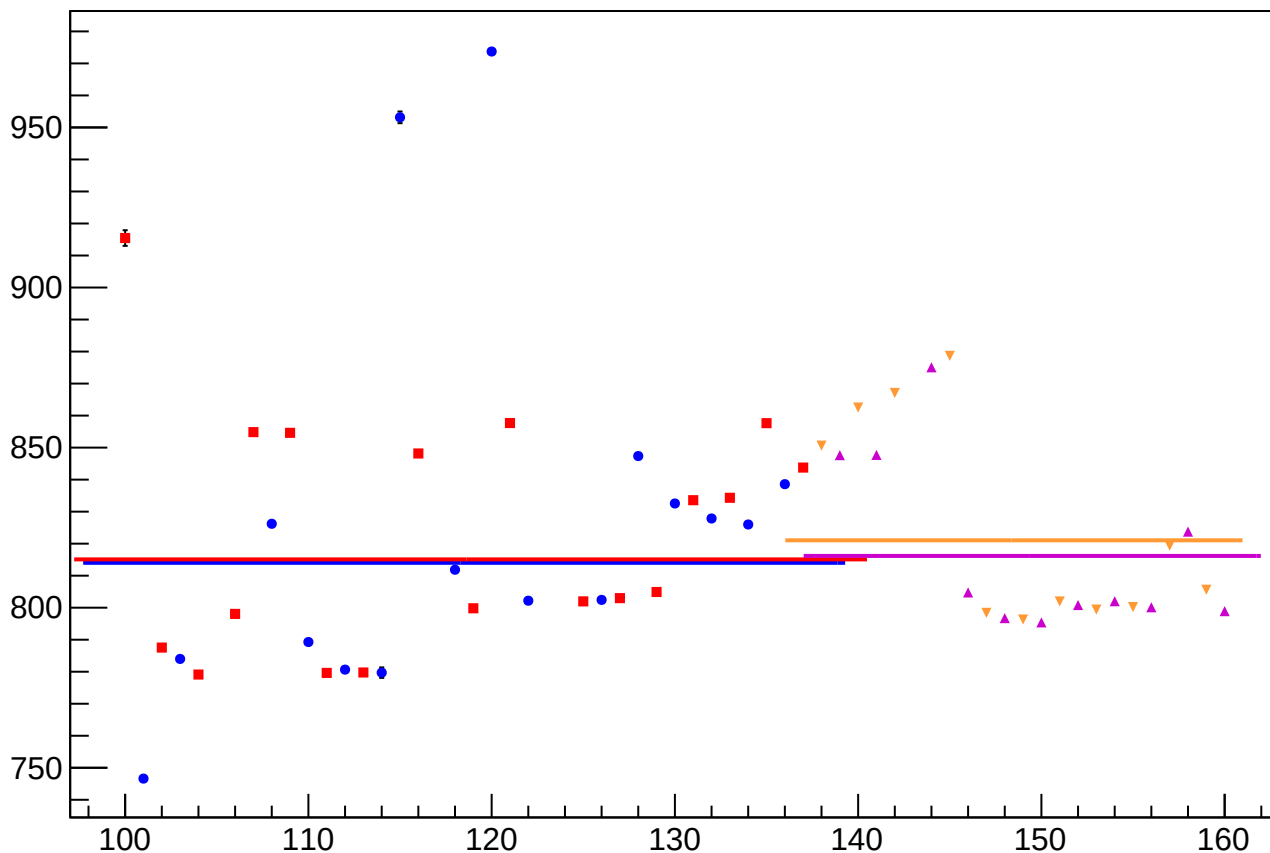
χ^2/NDF : 24.1/33

χ^2/NDF : 28.2/26

χ^2/NDF : 24.2/28

χ^2/NDF : 52.6/55

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 814.021 $\pm$ 0.222 χ^2 /NDF: 42041.6/15

Left Out: 821.043 $\pm$ 0.202 χ^2 /NDF:21020.0/10

Right Out: 815.084 $\pm$ 0.218 χ^2 /NDF: 19959.3/17

Left In: 816.169 $\pm$ 0.192 χ^2 /NDF:17433.0/10

Left: 818.483 $\pm$ 0.139 χ^2 /NDF: 38759.9/21

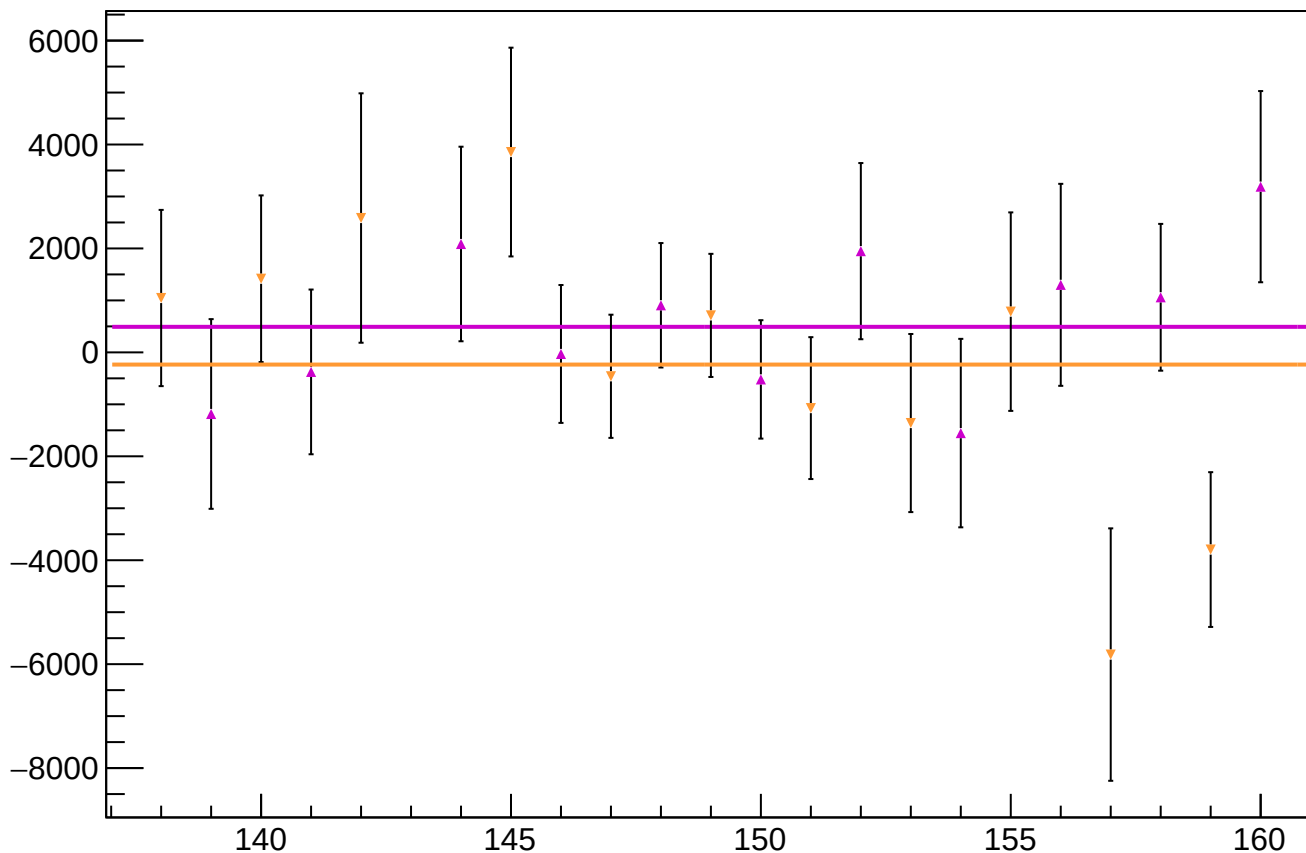
Right: 814.563 $\pm$ 0.156 χ^2 /NDF: 62012.6/33

In: 815.254 $\pm$ 0.145 χ^2 /NDF:59528.2/26

Out: 818.296 $\pm$ 0.148 χ^2 /NDF:41381.8/28

All: 816.746 $\pm$ 0.104 χ^2 /NDF: 101125.3/55

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -234.758+/-479.230 χ^2/NDF :19.9/10

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

Left In: 491.609+/-459.645 χ^2/NDF :7.4/10

Left: 143.571+/-331.726 χ^2/NDF : 28.5/21

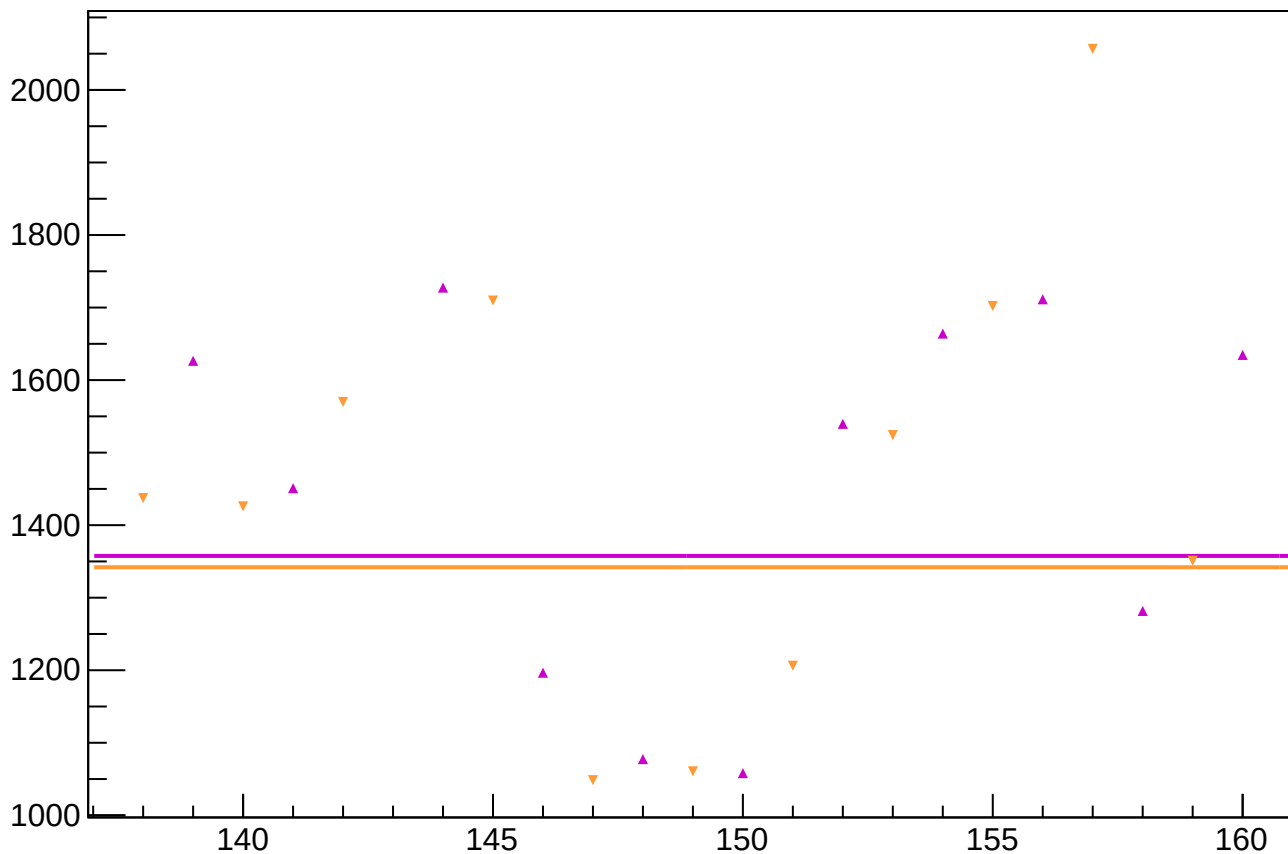
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 491.609+/-459.645 χ^2/NDF :7.4/10

Out: -234.758+/-479.230 χ^2/NDF :19.9/10

All: 143.571+/-331.726 χ^2/NDF : 28.5/21

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1341.982+/-0.339 χ^2/NDF :619007.8/10

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

Left In: 1357.618+/-0.325 χ^2/NDF :603201.4/10

Left: 1350.126+/-0.235 χ^2/NDF : 1223318.1/21

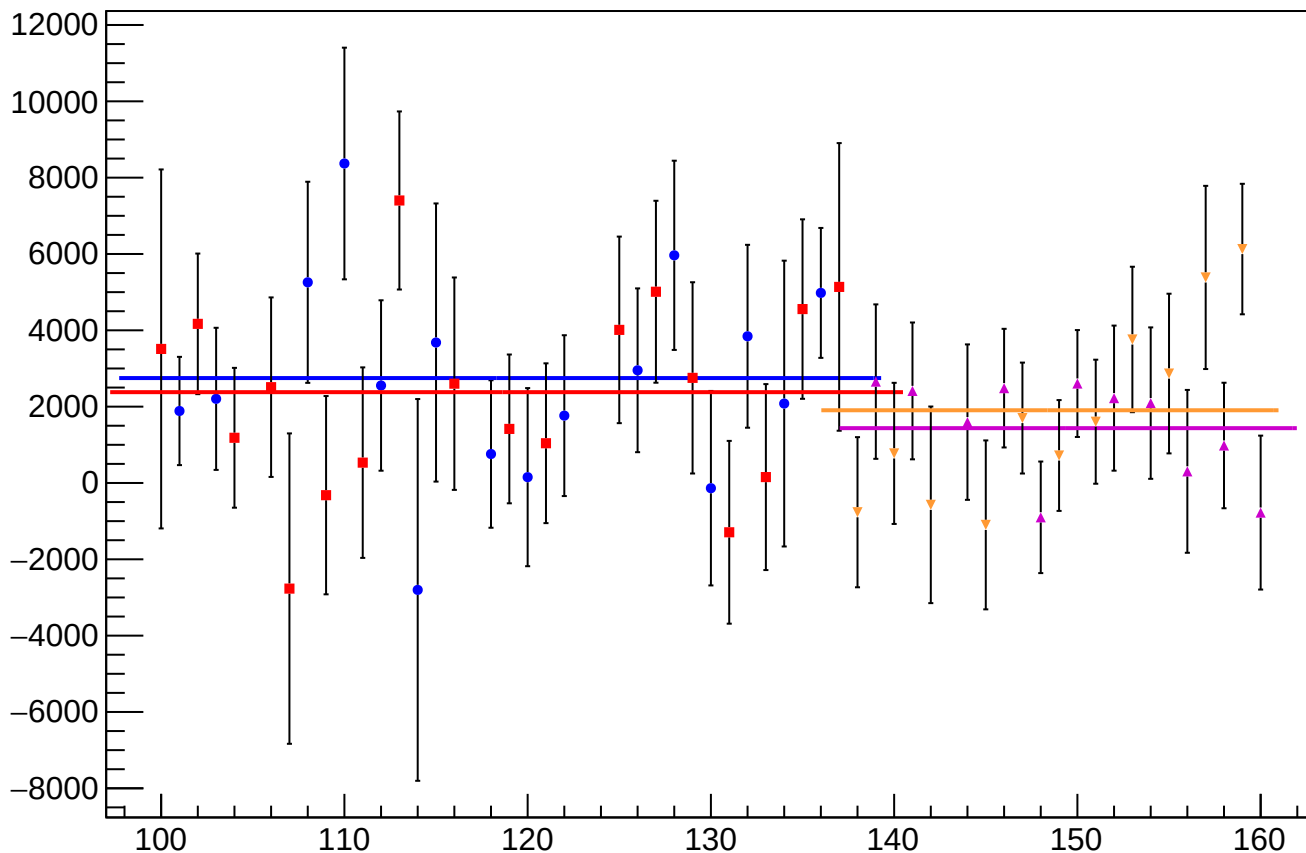
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1357.618+/-0.325 χ^2/NDF :603201.4/10

Out: 1341.982+/-0.339 χ^2/NDF :619007.8/10

All: 1350.126+/-0.235 χ^2/NDF : 1223318.1/21

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1905.132 $\pm$ 554.516 χ^2 /NDF:15.1/10

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

Left In: 1436.356 $\pm$ 530.396 χ^2 /NDF:6.2/10

Left: 1660.327 $\pm$ 383.290 χ^2 /NDF: 21.7/21

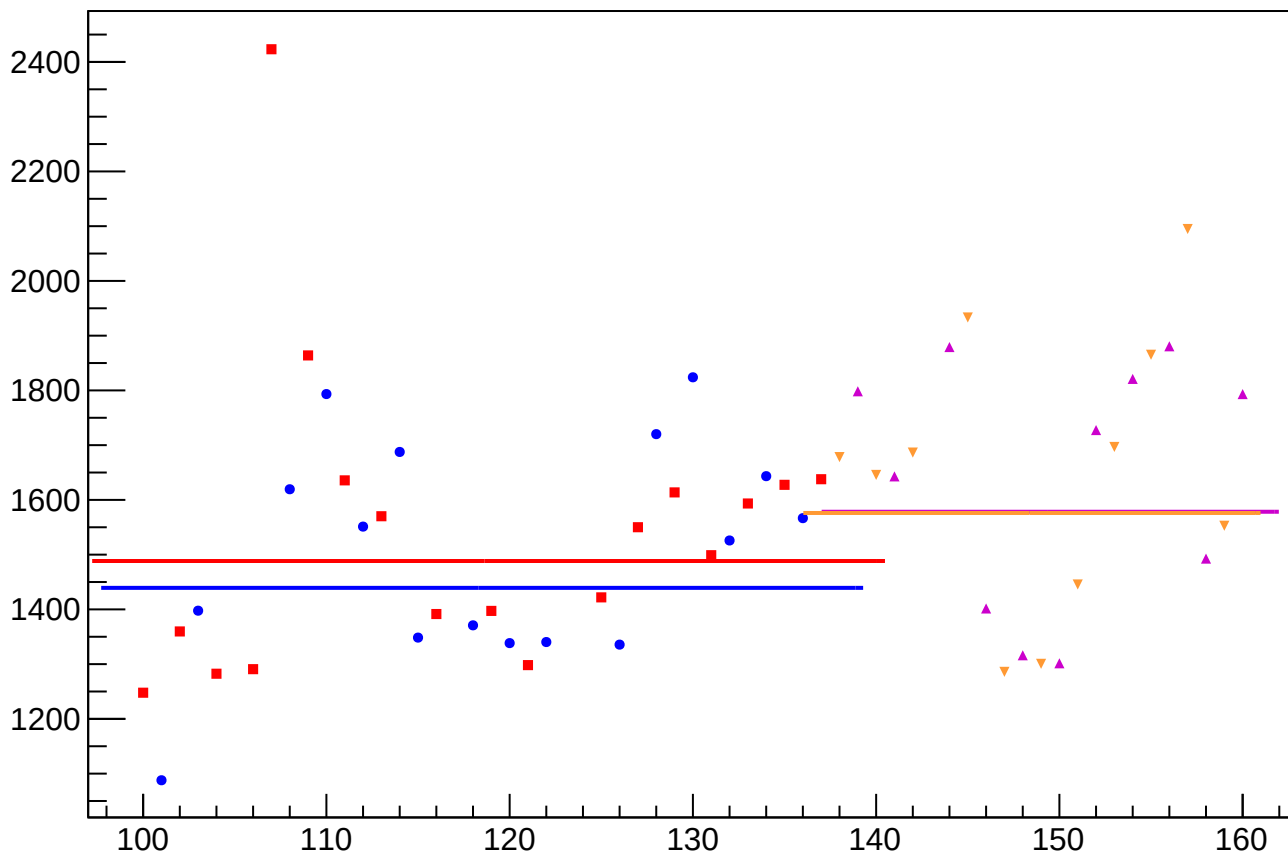
Right: 2566.079 $\pm$ 400.174 χ^2 /NDF: 30.0/33

In: 2053.531 $\pm$ 386.040 χ^2 /NDF:22.6/26

Out: 2136.191 $\pm$ 397.113 χ^2 /NDF:31.6/28

All: 2093.693 $\pm$ 276.803 χ^2 /NDF: 54.3/55

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1576.112 $\pm$ 0.392 χ^2/NDF : 368688.5/10

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

Left In: 1578.353 $\pm$ 0.375 χ^2/NDF : 348735.3/10

Left: 1577.282 $\pm$ 0.271 χ^2/NDF : 717440.8/21

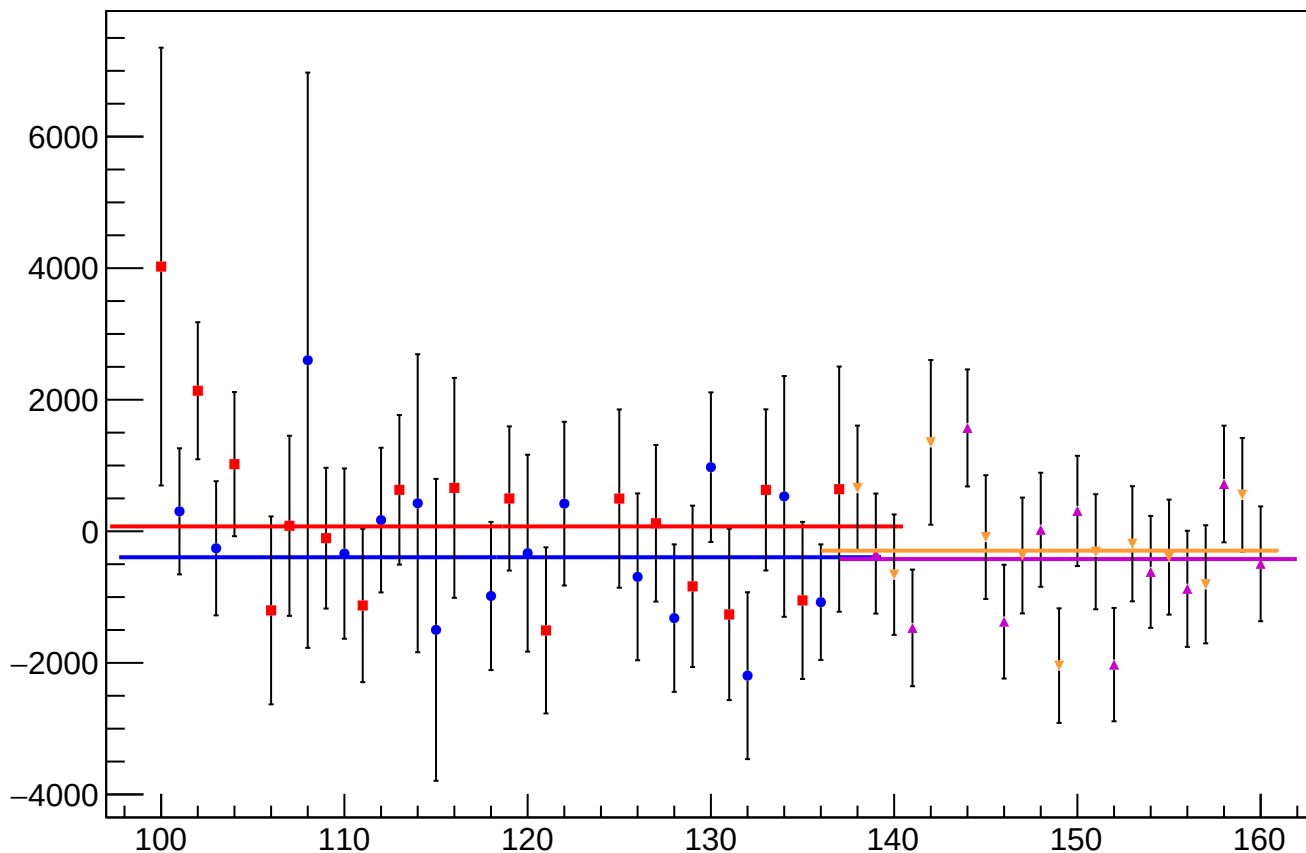
Right: 1463.597 $\pm$ 0.283 χ^2/NDF : 541697.1/33

In: 1512.977 $\pm$ 0.273 χ^2/NDF : 691209.9/26

Out: 1533.376 $\pm$ 0.281 χ^2/NDF : 649399.1/28

All: 1522.888 $\pm$ 0.196 χ^2/NDF : 1343322.3/55

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -294.306 ± 275.402 χ^2/NDF : 8.3/10

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

Left In: -421.886 ± 263.252 χ^2/NDF : 14.1/10

Left: -360.972 ± 190.297 χ^2/NDF : 22.5/21

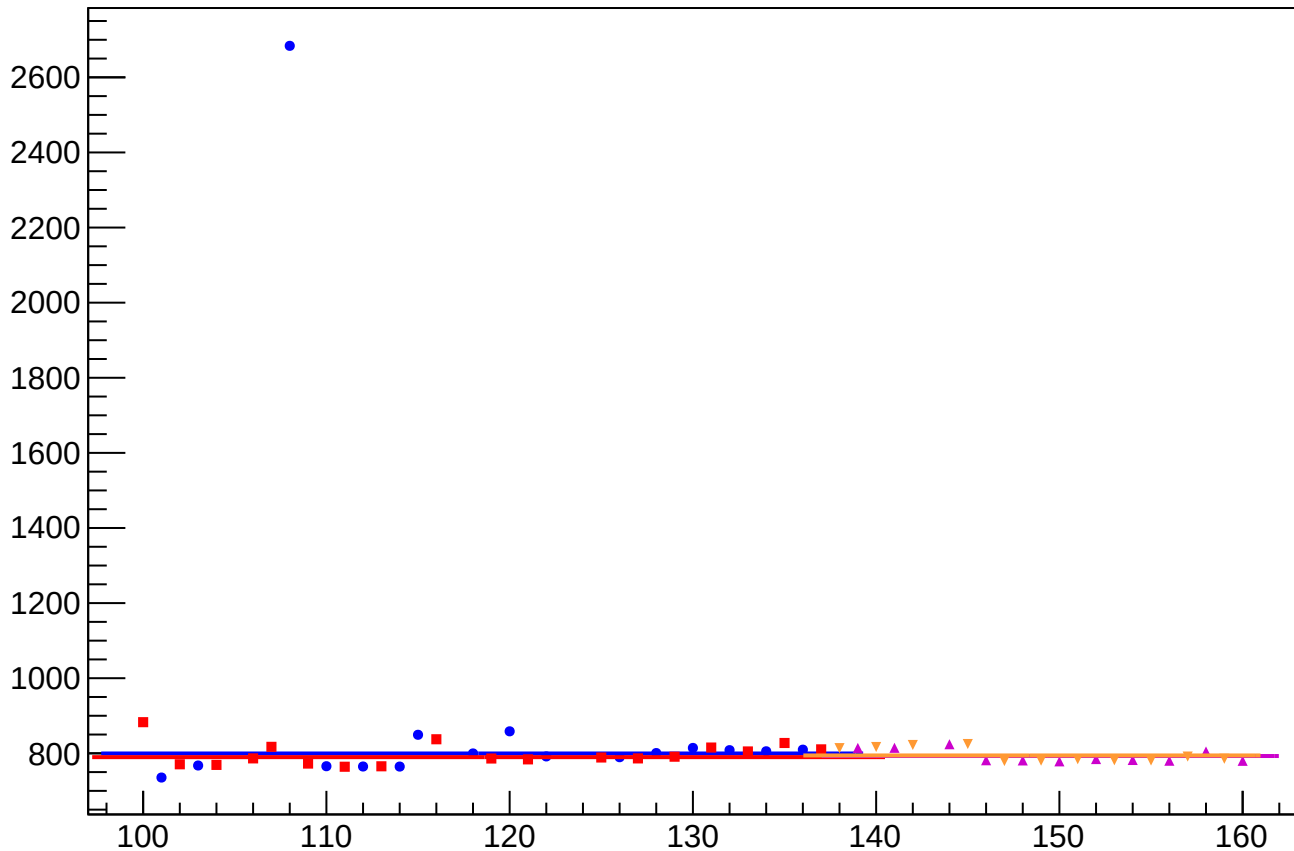
Right: -148.721 ± 216.034 χ^2/NDF : 21.5/33

In: -410.490 ± 201.514 χ^2/NDF : 21.5/26

Out: -124.757 ± 202.380 χ^2/NDF : 22.1/28

All: -268.237 ± 142.797 χ^2/NDF : 44.6/55

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 799.537+/-0.221 χ^2/NDF : 391185.9/15

Left Out: 794.312+/-0.195 χ^2/NDF : 7618.8/10

Right Out: 789.794+/-0.211 χ^2/NDF : 11174.9/17

Left In: 792.803+/-0.186 χ^2/NDF : 7789.7/10

Left: 793.524+/-0.135 χ^2/NDF : 15439.9/21

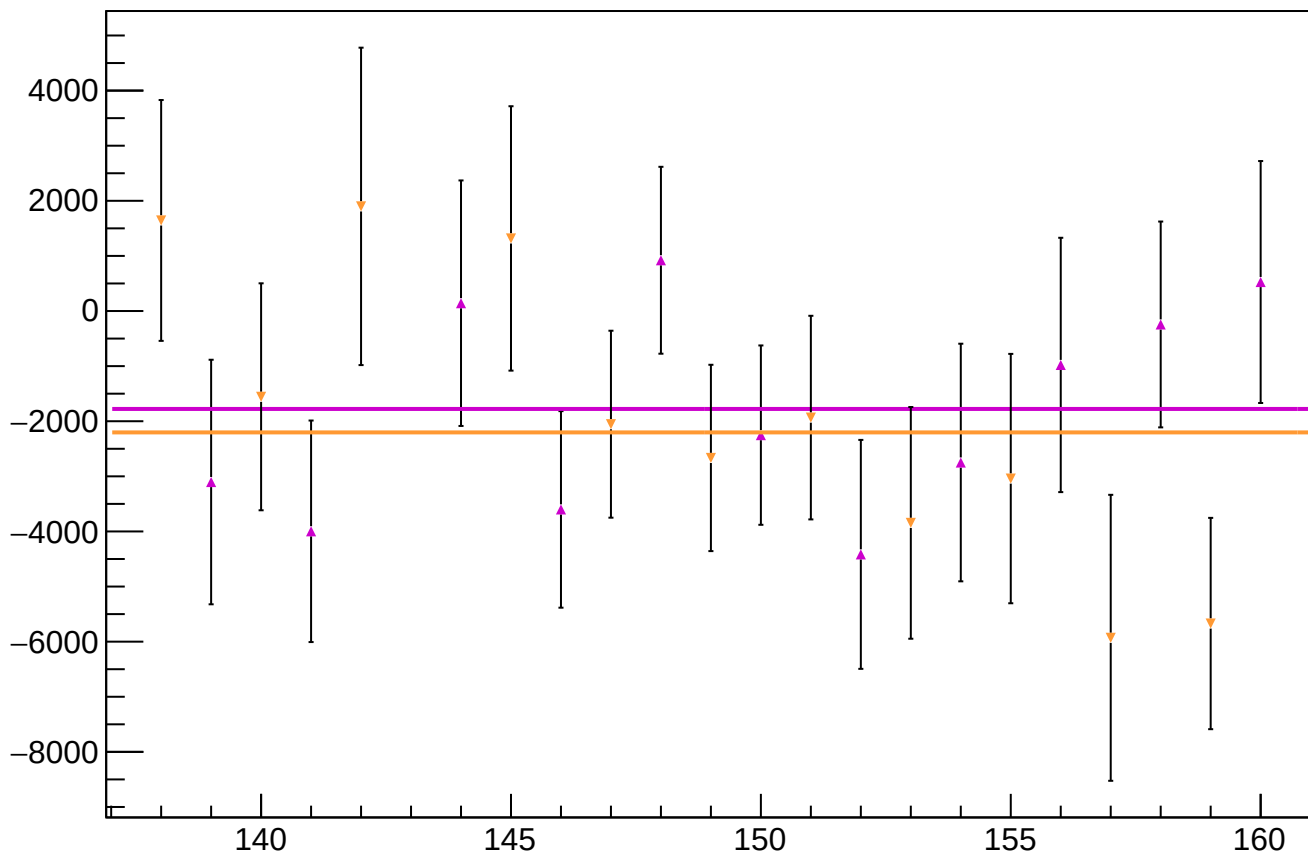
Right: 794.430+/-0.153 χ^2/NDF : 403375.5/33

In: 795.591+/-0.142 χ^2/NDF : 399517.5/26

Out: 792.234+/-0.143 χ^2/NDF : 19041.4/28

All: 793.920+/-0.101 χ^2/NDF : 418835.2/55

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -2202.753+/-623.529 χ^2/NDF :13.6/10

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

Left In: -1777.028+/-595.403 χ^2/NDF :9.7/10

Left: -1980.072+/-430.613 χ^2/NDF : 23.5/21

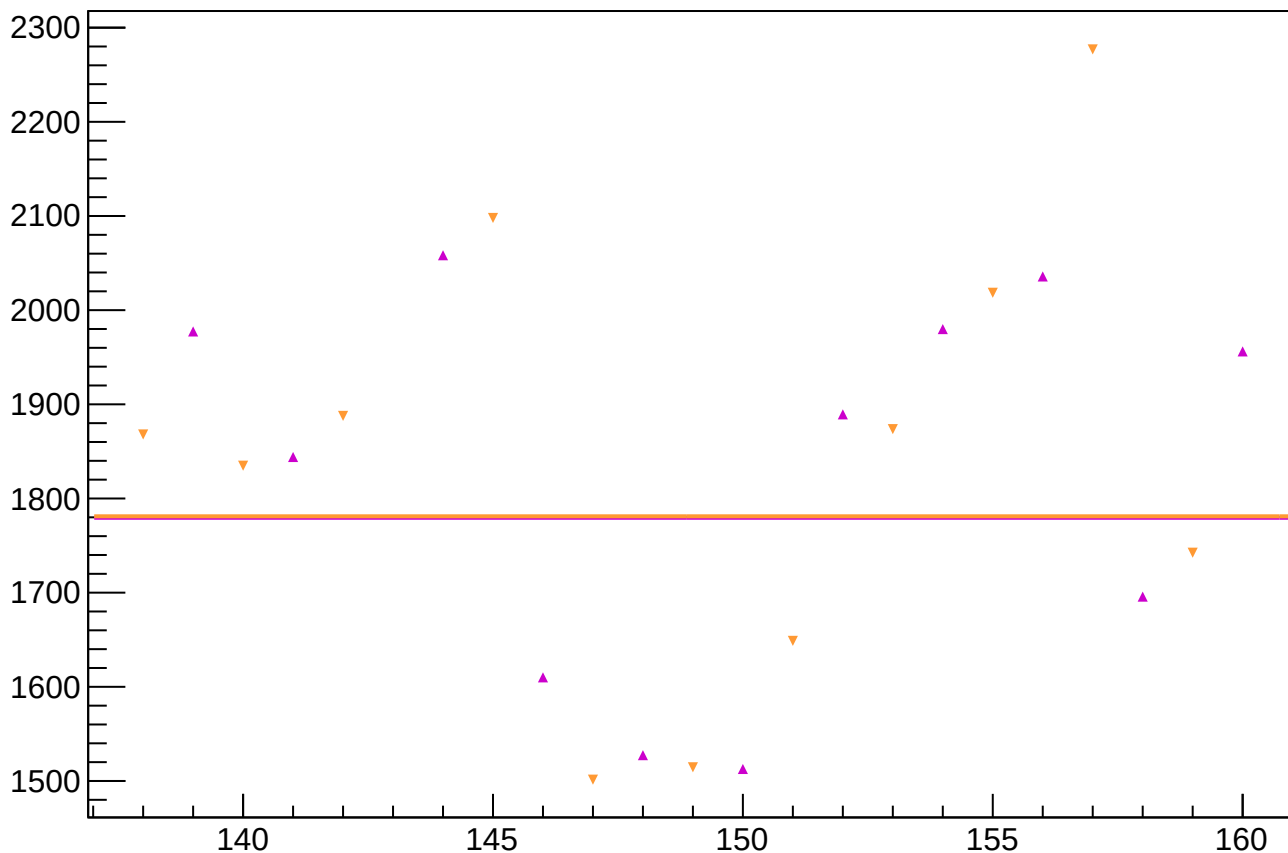
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1777.028+/-595.403 χ^2/NDF :9.7/10

Out: -2202.753+/-623.529 χ^2/NDF :13.6/10

All: -1980.072+/-430.613 χ^2/NDF : 23.5/21

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1781.081+/-0.441 χ^2/NDF :256236.8/10

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

Left In: 1779.525+/-0.421 χ^2/NDF :229810.0/10

Left: 1780.267+/-0.304 χ^2/NDF : 486053.3/21

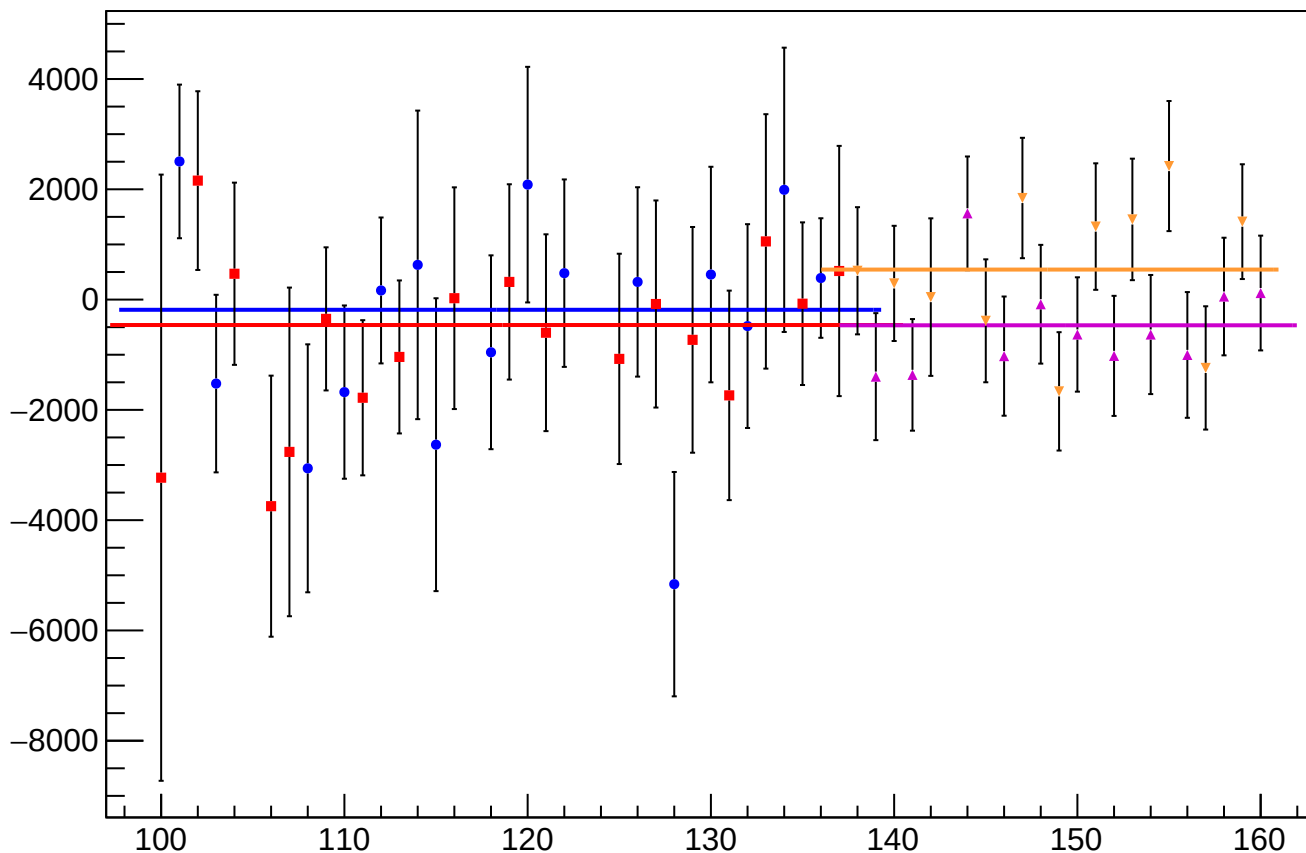
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1779.525+/-0.421 χ^2/NDF :229810.0/10

Out: 1781.081+/-0.441 χ^2/NDF :256236.8/10

All: 1780.267+/-0.304 χ^2/NDF : 486053.3/21

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -185.054 ± 431.495 χ^2/NDF : 16.6/15

Left Out: 544.230 ± 339.104 χ^2/NDF : 13.4/10

Right Out: -461.253 ± 426.921 χ^2/NDF : 8.3/17

Left In: -466.227 ± 322.872 χ^2/NDF : 6.8/10

Left: 14.240 ± 233.833 χ^2/NDF : 24.9/21

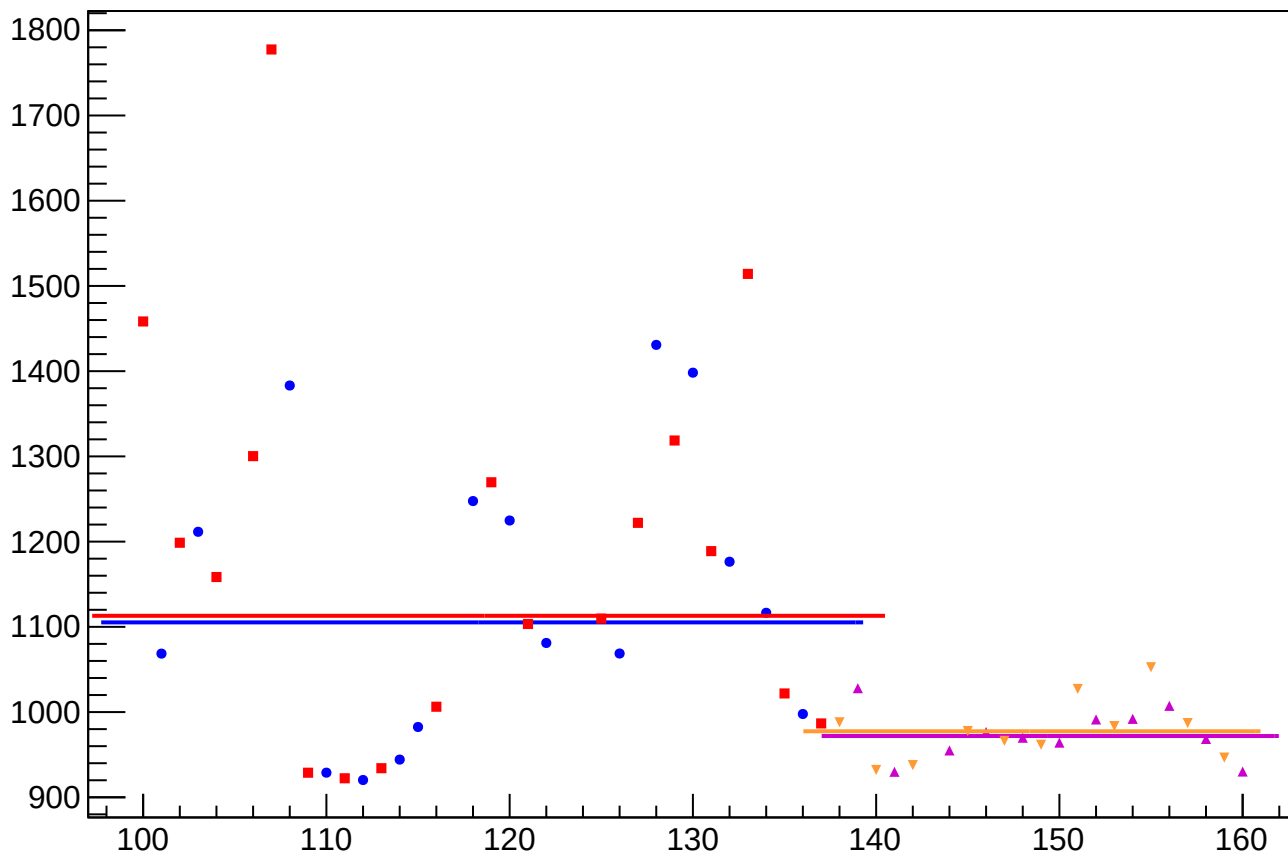
Right: -324.625 ± 303.483 χ^2/NDF : 25.2/33

In: -365.304 ± 258.513 χ^2/NDF : 23.7/26

Out: 155.261 ± 265.532 χ^2/NDF : 25.2/28

All: -111.993 ± 185.228 χ^2/NDF : 50.8/55

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 977.471 $\pm$ 0.240 χ^2/NDF : 19974.4/10

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

Left In: 971.904 $\pm$ 0.228 χ^2/NDF : 15370.6/10

Left: 974.551 $\pm$ 0.165 χ^2/NDF : 35627.7/21

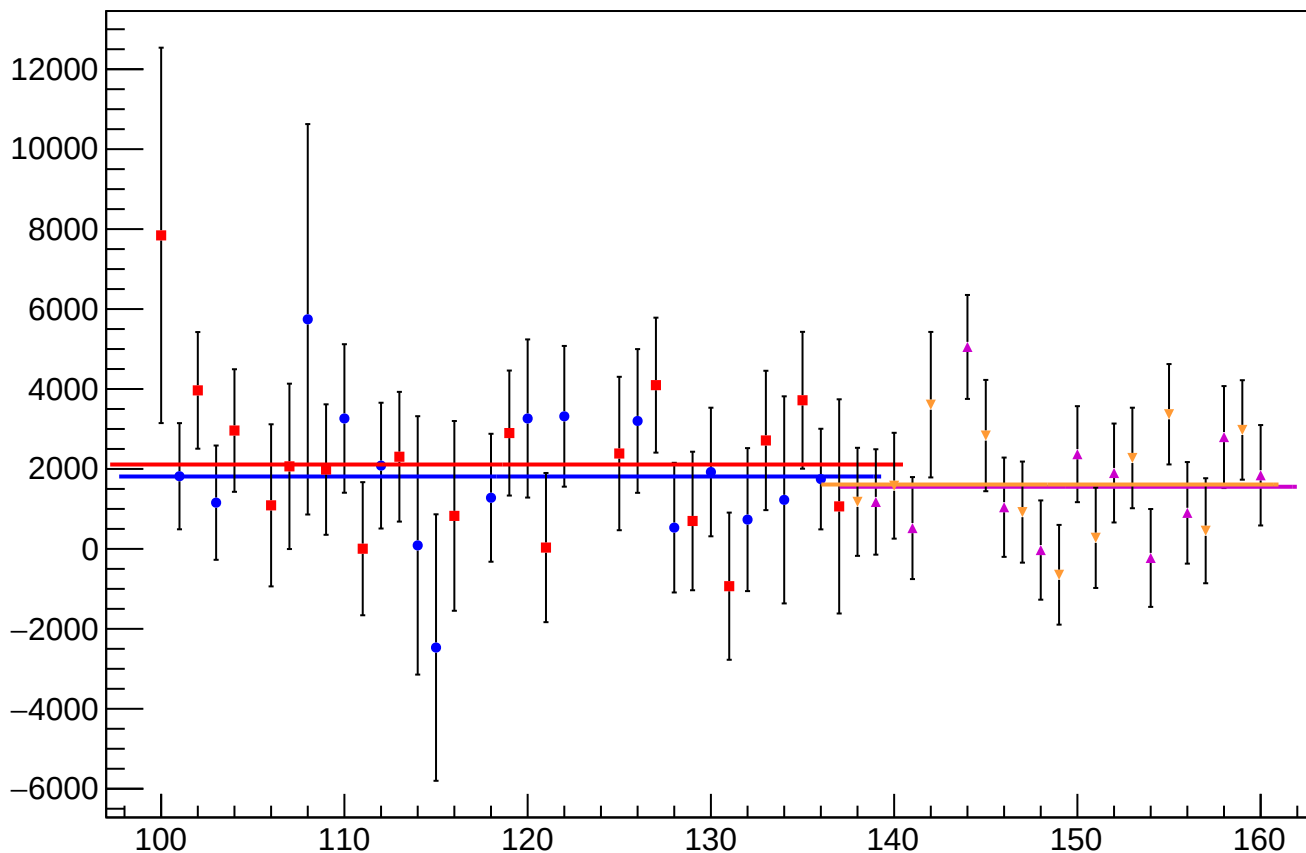
Right: 1109.146 $\pm$ 0.215 χ^2/NDF : 618686.6/33

In: 1019.761 $\pm$ 0.183 χ^2/NDF : 393156.0/26

Out: 1029.890 $\pm$ 0.188 χ^2/NDF : 506507.4/28

All: 1024.690 $\pm$ 0.131 χ^2/NDF : 901157.5/55

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1811.054+/-442.142 χ^2/NDF : 6.5/15

Left Out: 1610.458+/-397.454 χ^2/NDF :11.0/10

Right Out: 2111.004+/-427.676 χ^2/NDF : 13.0/17

Left In: 1554.305+/-379.056 χ^2/NDF :13.7/10

Left: 1581.052+/-274.307 χ^2/NDF : 24.7/21

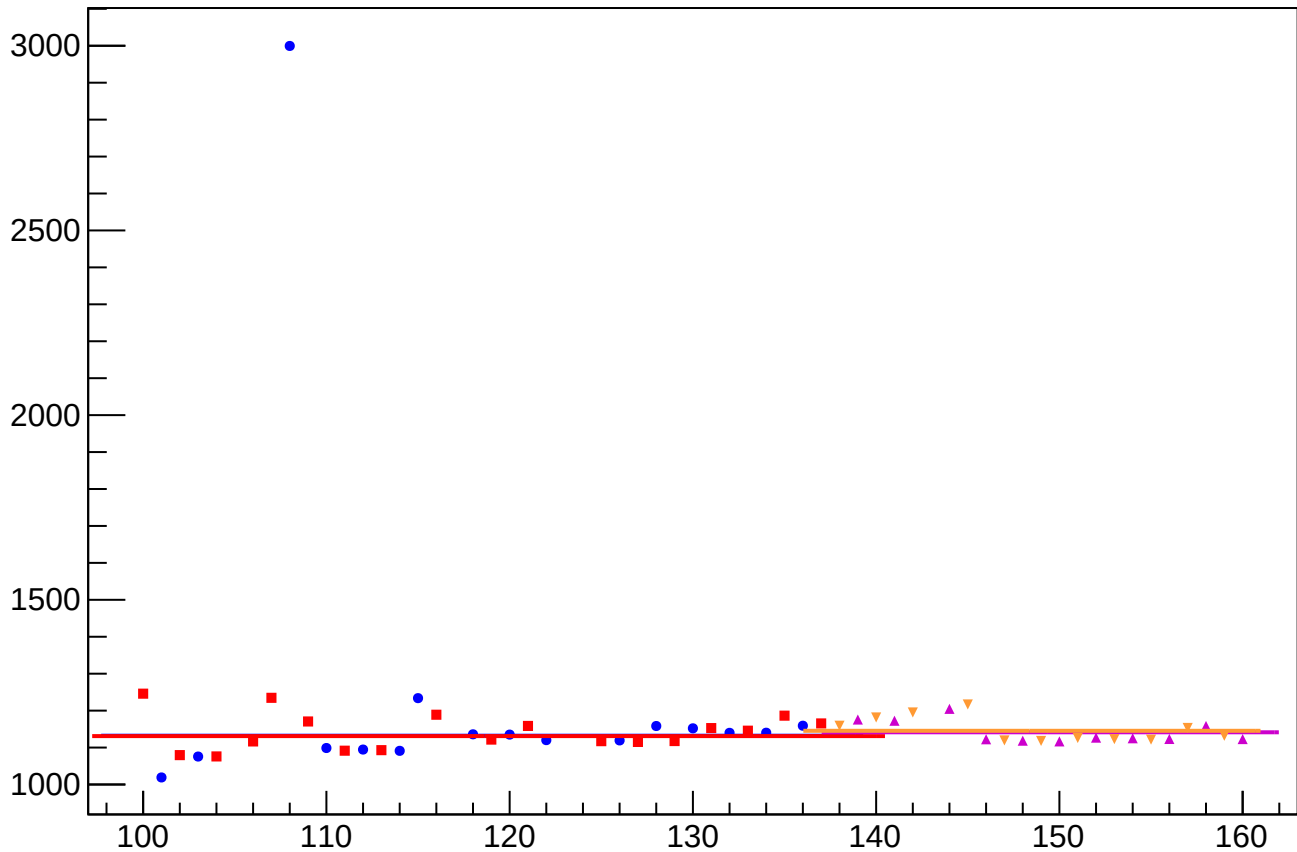
Right: 1966.016+/-307.400 χ^2/NDF : 19.7/33

In: 1663.071+/-287.776 χ^2/NDF :20.3/26

Out: 1842.422+/-291.141 χ^2/NDF :24.8/28

All: 1751.704+/-204.668 χ^2/NDF : 45.3/55

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1145.382+/-0.281 χ^2/NDF :12395.5/10

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

Left In: 1141.345+/-0.268 χ^2/NDF :11131.6/10

Left: 1143.268+/-0.194 χ^2/NDF : 23635.2/21

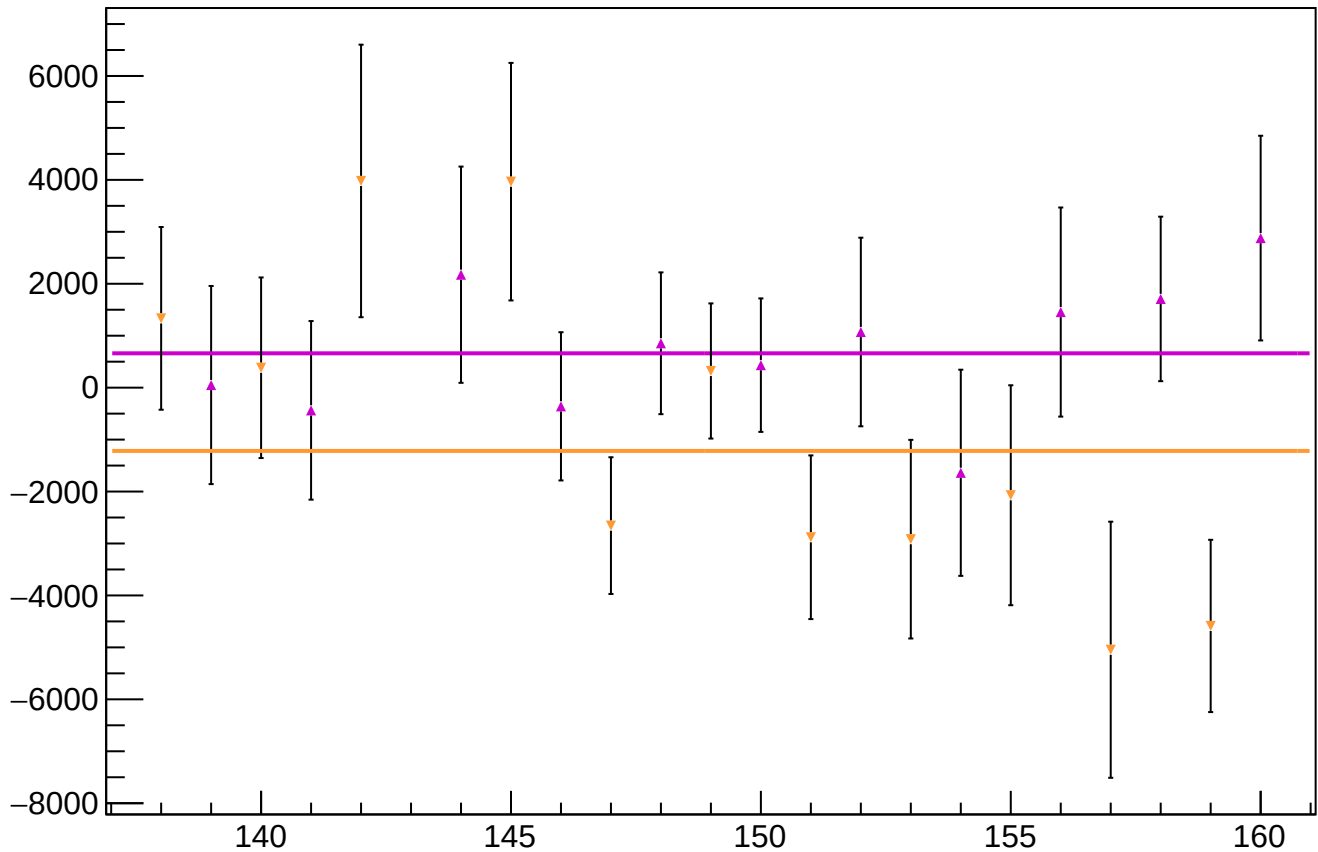
Right: 1131.528+/-0.217 χ^2/NDF : 335751.3/33

In: 1137.418+/-0.203 χ^2/NDF :327664.7/26

Out: 1138.725+/-0.206 χ^2/NDF :33325.5/28

All: 1138.064+/-0.145 χ^2/NDF : 361010.6/55

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -1217.824+/-527.999 χ^2/NDF :23.2/10

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

Left In: 660.995+/-503.871 χ^2/NDF :4.9/10

Left: -234.507+/-364.522 χ^2/NDF : 34.7/21

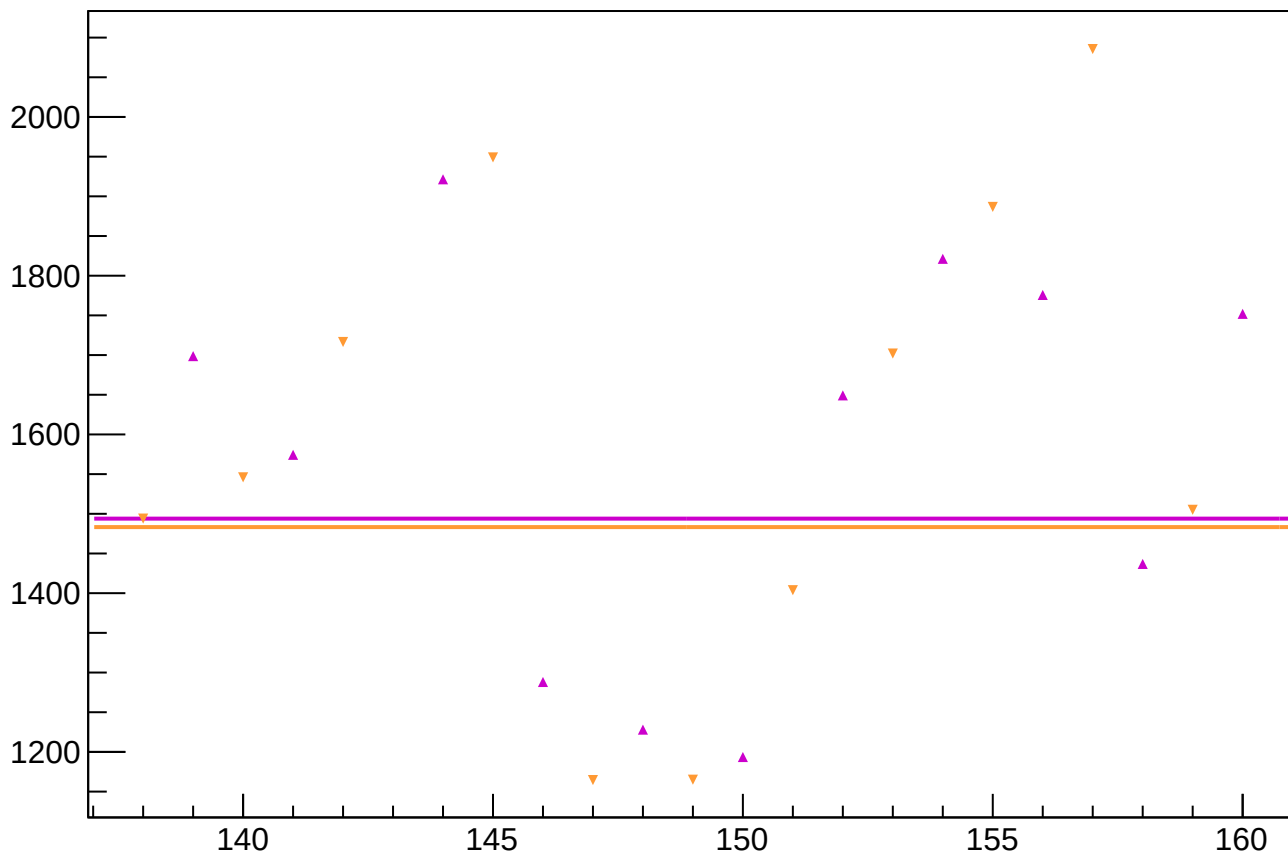
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 660.995+/-503.871 χ^2/NDF :4.9/10

Out: -1217.824+/-527.999 χ^2/NDF :23.2/10

All: -234.507+/-364.522 χ^2/NDF : 34.7/21

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1483.251+/-0.373 χ^2/NDF :562127.3/10

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

Left In: 1493.926+/-0.356 χ^2/NDF :483798.2/10

Left: 1488.838+/-0.258 χ^2/NDF : 1046353.3/21

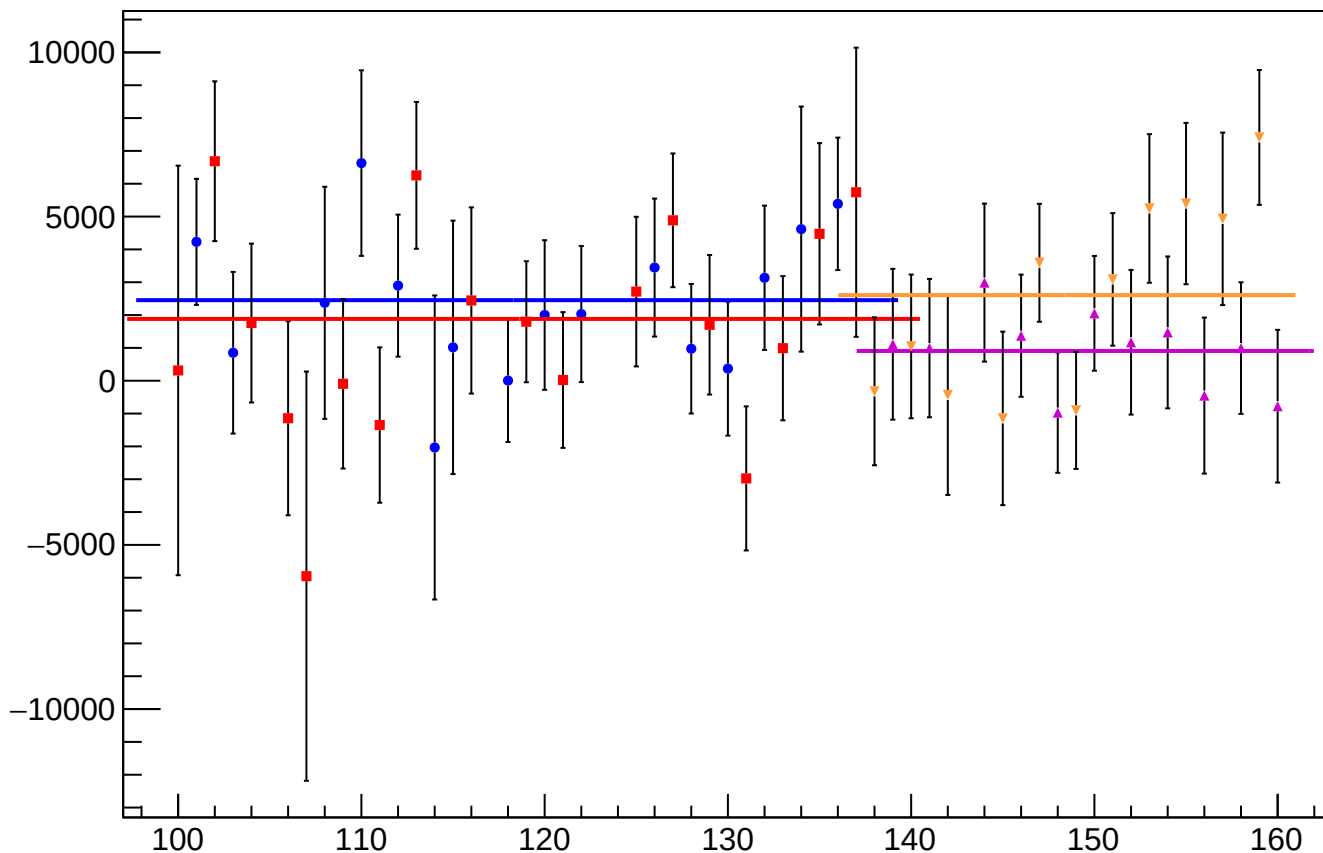
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1493.926+/-0.356 χ^2/NDF :483798.2/10

Out: 1483.251+/-0.373 χ^2/NDF :562127.3/10

All: 1488.838+/-0.258 χ^2/NDF : 1046353.3/21

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2608.269 $\pm$ 663.691 χ^2 /NDF:18.4/10

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

Left In: 906.388 $\pm$ 631.812 χ^2 /NDF:3.2/10

Left: 1715.475 $\pm$ 457.613 χ^2 /NDF: 25.0/21

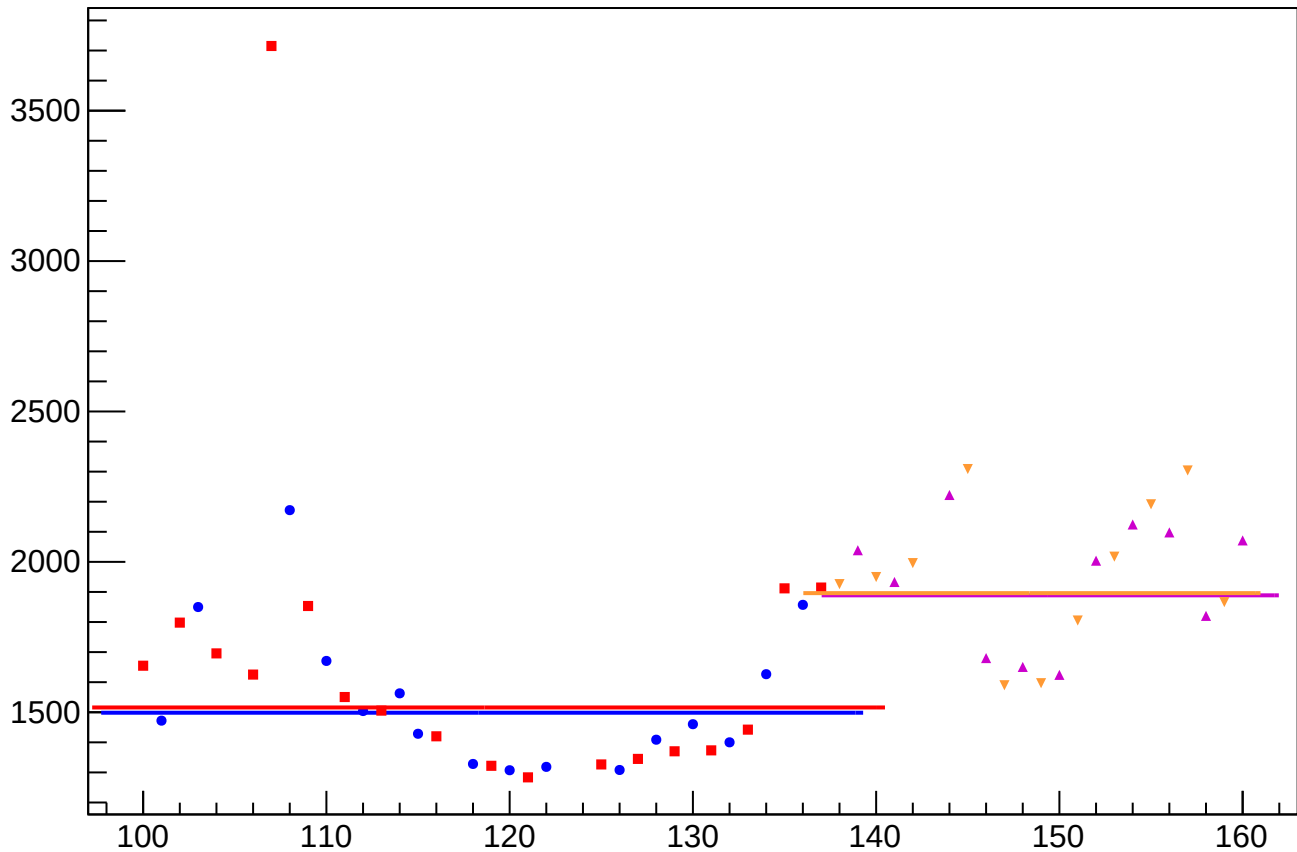
Right: 2167.665 $\pm$ 412.771 χ^2 /NDF: 34.0/33

In: 1740.379 $\pm$ 428.980 χ^2 /NDF:17.2/26

Out: 2198.865 $\pm$ 438.089 χ^2 /NDF:41.8/28

All: 1964.805 $\pm$ 306.504 χ^2 /NDF: 59.6/55

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1896.074 $\pm$ 0.469 χ^2/NDF : 254403.0/10

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

Left In: 1888.748 $\pm$ 0.447 χ^2/NDF : 208852.1/10

Left: 1892.231 $\pm$ 0.324 χ^2/NDF : 463383.0/21

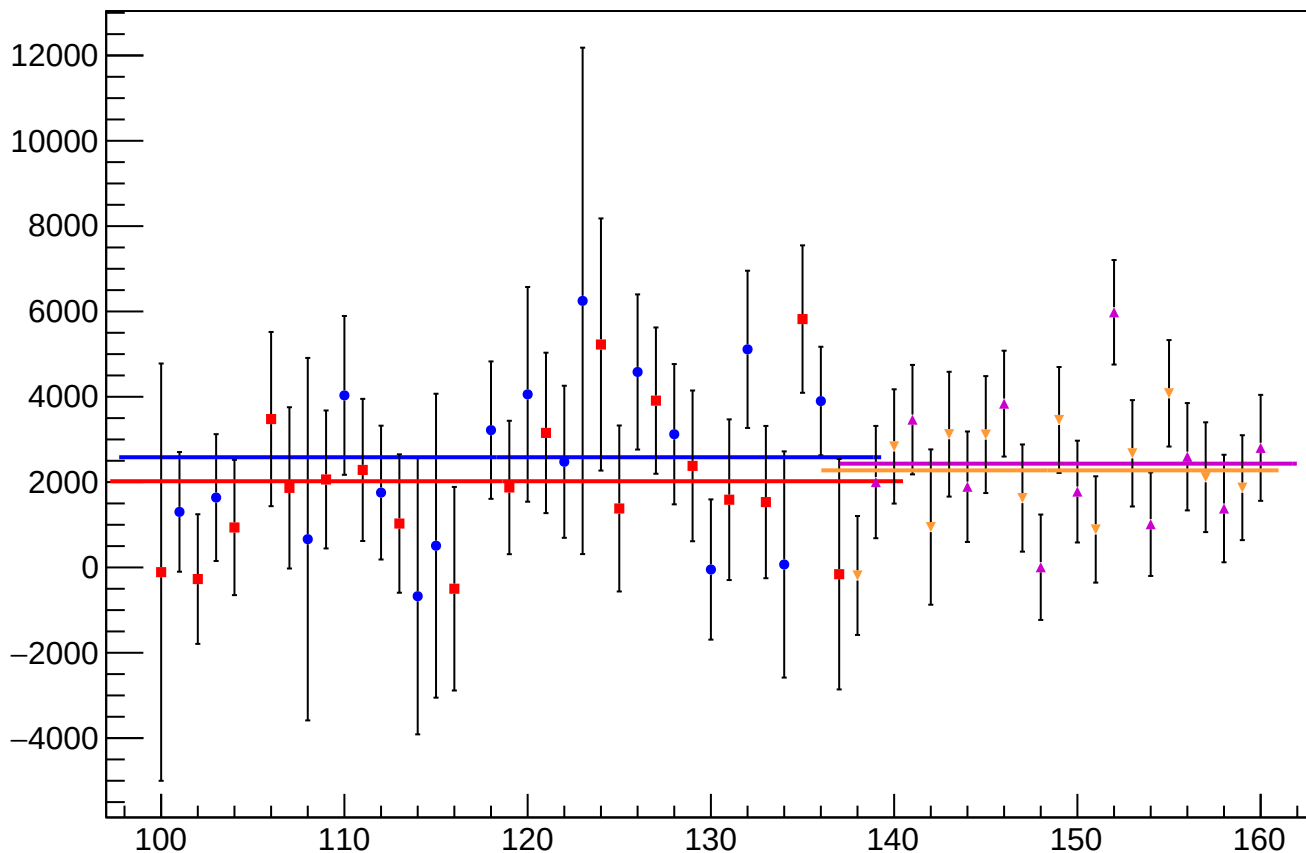
Right: 1507.233 $\pm$ 0.292 χ^2/NDF : 740243.9/33

In: 1678.395 $\pm$ 0.303 χ^2/NDF : 878962.4/26

Out: 1681.571 $\pm$ 0.310 χ^2/NDF : 1105163.5/28

All: 1679.950 $\pm$ 0.217 χ^2/NDF : 1984179.5/55

dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2275.708 $\pm$ 382.029 χ^2 /NDF:9.3/11

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

Left In: 2432.644 $\pm$ 376.776 χ^2 /NDF:16.9/10

Left: 2355.262 $\pm$ 268.259 χ^2 /NDF: 26.3/22

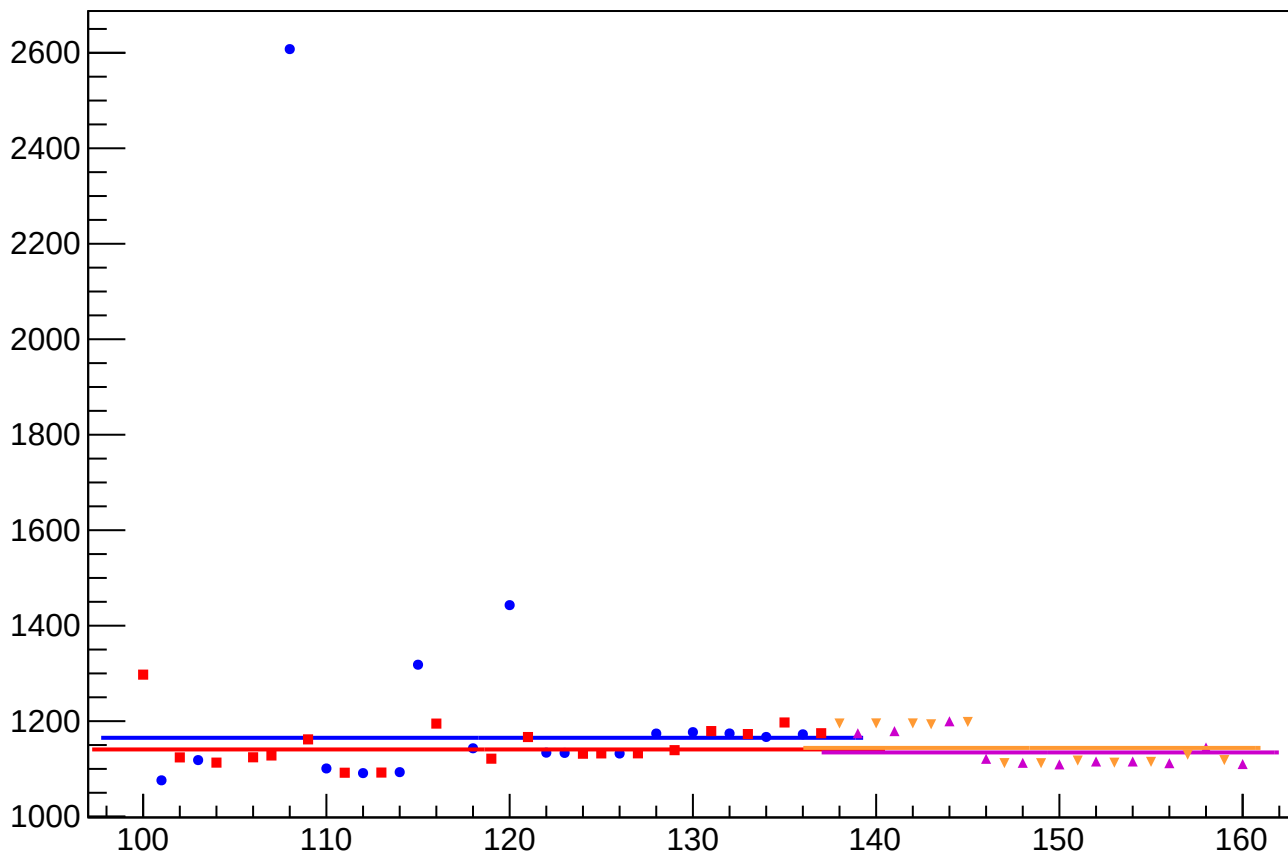
Right: 2284.984 $\pm$ 310.688 χ^2 /NDF: 26.6/35

In: 2494.090 $\pm$ 289.726 χ^2 /NDF:29.3/27

Out: 2162.279 $\pm$ 284.639 χ^2 /NDF:23.0/30

All: 2325.246 $\pm$ 203.045 χ^2 /NDF: 52.9/58

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1165.146 ± 0.320 $\chi^2/\text{NDF}: 278570.1/16$

Left Out: 1143.988 ± 0.270 $\chi^2/\text{NDF}: 19608.6/11$

Right Out: 1140.752 ± 0.302 $\chi^2/\text{NDF}: 12717.7/18$

Left In: 1134.486 ± 0.266 $\chi^2/\text{NDF}: 13601.4/10$

Left: 1139.171 ± 0.190 $\chi^2/\text{NDF}: 33837.2/22$

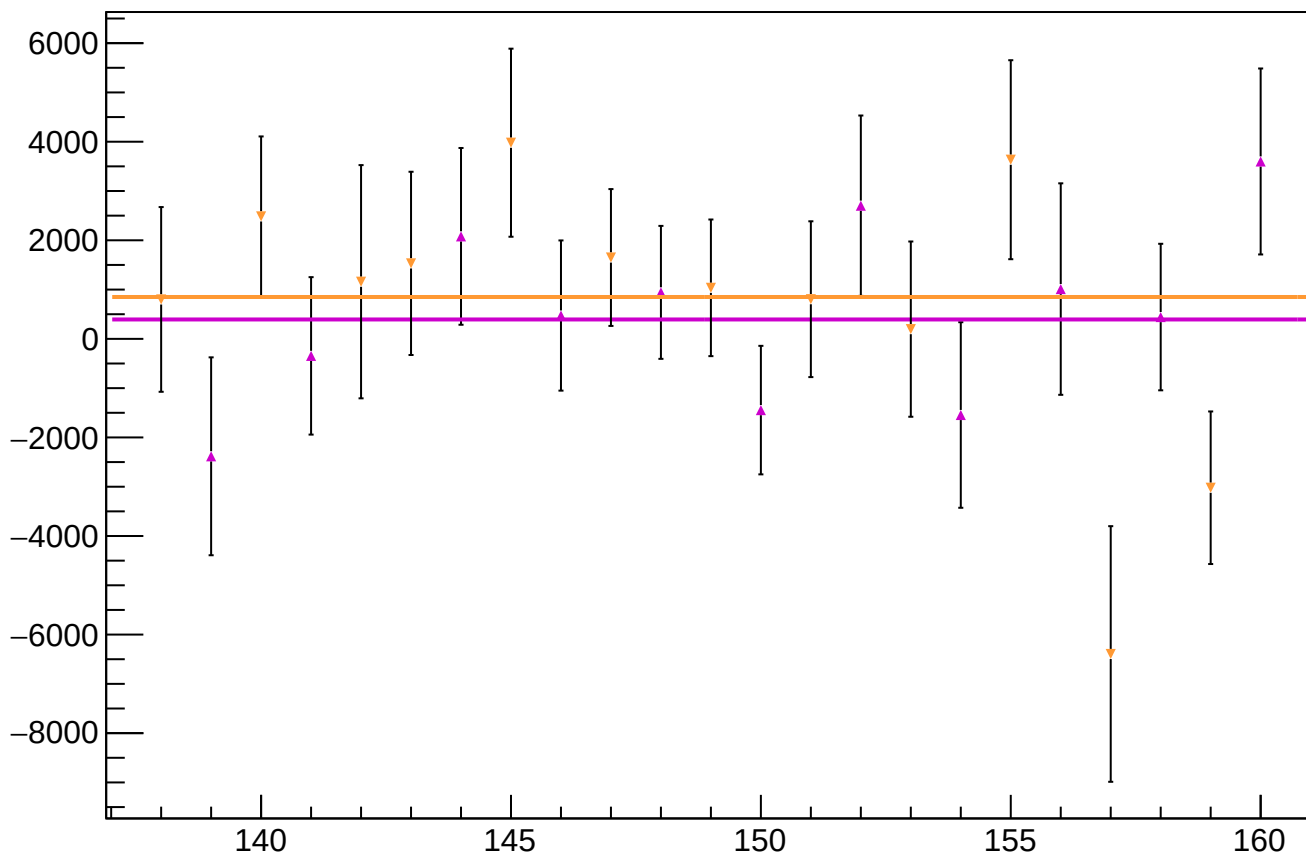
Right: 1152.217 ± 0.220 $\chi^2/\text{NDF}: 294359.2/35$

In: 1147.017 ± 0.205 $\chi^2/\text{NDF}: 297584.2/27$

Out: 1142.548 ± 0.201 $\chi^2/\text{NDF}: 32390.1/30$

All: 1144.743 ± 0.144 $\chi^2/\text{NDF}: 330216.4/58$

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 849.418+/-501.584 χ^2/NDF :20.3/11

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

Left In: 393.497+/-496.836 χ^2/NDF :10.8/10

Left: 619.290+/-352.983 χ^2/NDF : 31.5/22

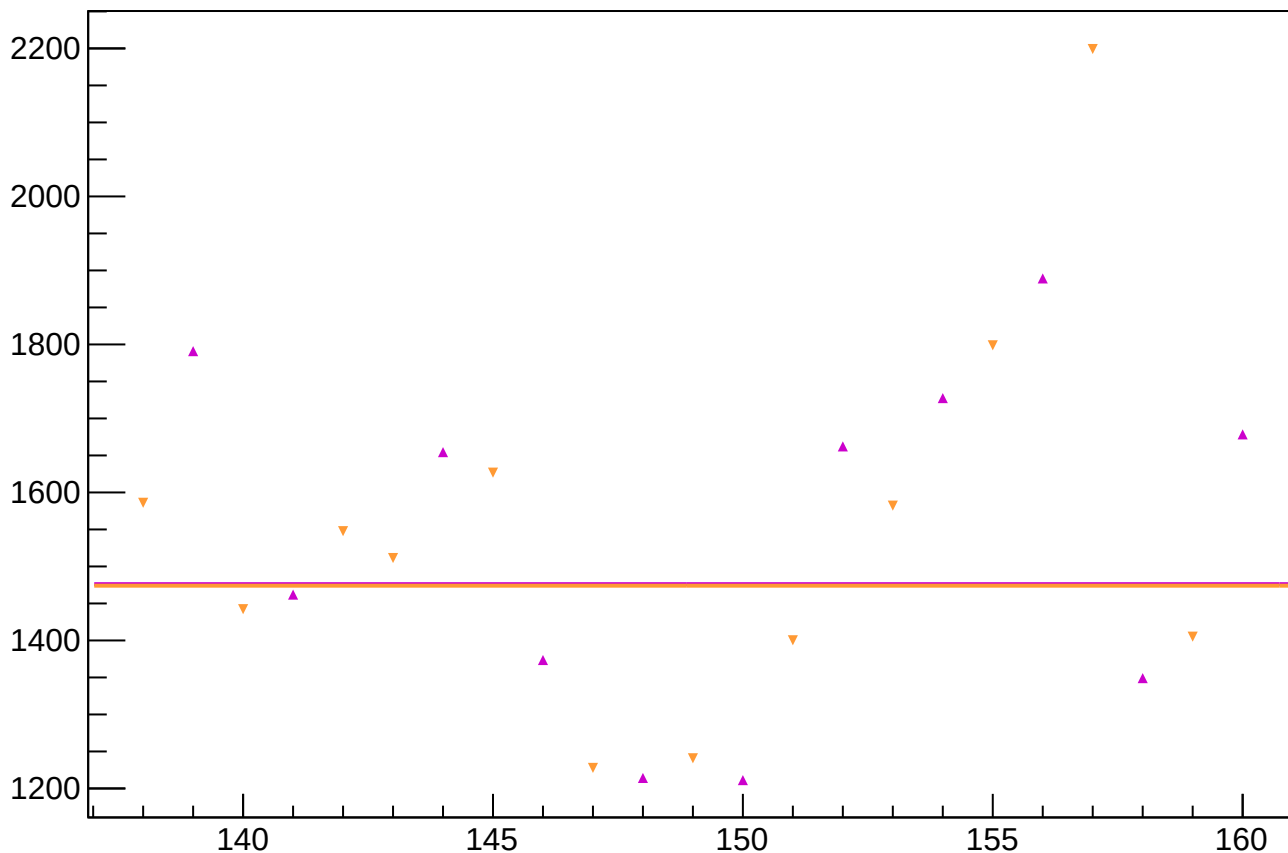
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 393.497+/-496.836 χ^2/NDF :10.8/10

Out: 849.418+/-501.584 χ^2/NDF :20.3/11

All: 619.290+/-352.983 χ^2/NDF : 31.5/22

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1474.030+/-0.355 χ^2/NDF :366889.8/11

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

Left In: 1476.046+/-0.351 χ^2/NDF :404197.1/10

Left: 1475.048+/-0.250 χ^2/NDF : 771103.2/22

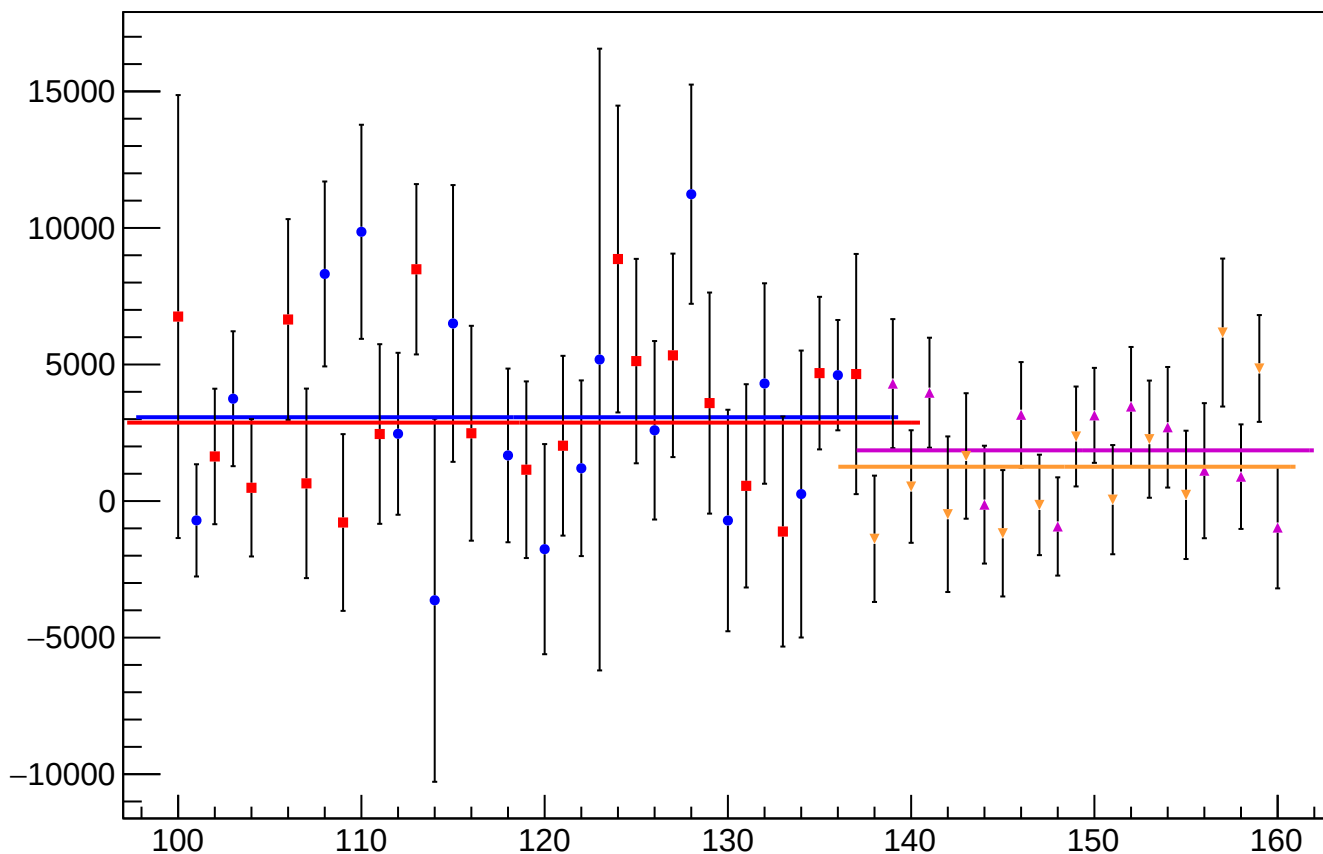
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1476.046+/-0.351 χ^2/NDF :404197.1/10

Out: 1474.030+/-0.355 χ^2/NDF :366889.8/11

All: 1475.048+/-0.250 χ^2/NDF : 771103.2/22

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1257.056 $\pm$ 624.655 χ^2 /NDF: 11.3/11

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

Left In: 1856.771 $\pm$ 619.914 χ^2 /NDF: 9.1/10

Left: 1559.198 $\pm$ 440.012 χ^2 /NDF: 20.9/22

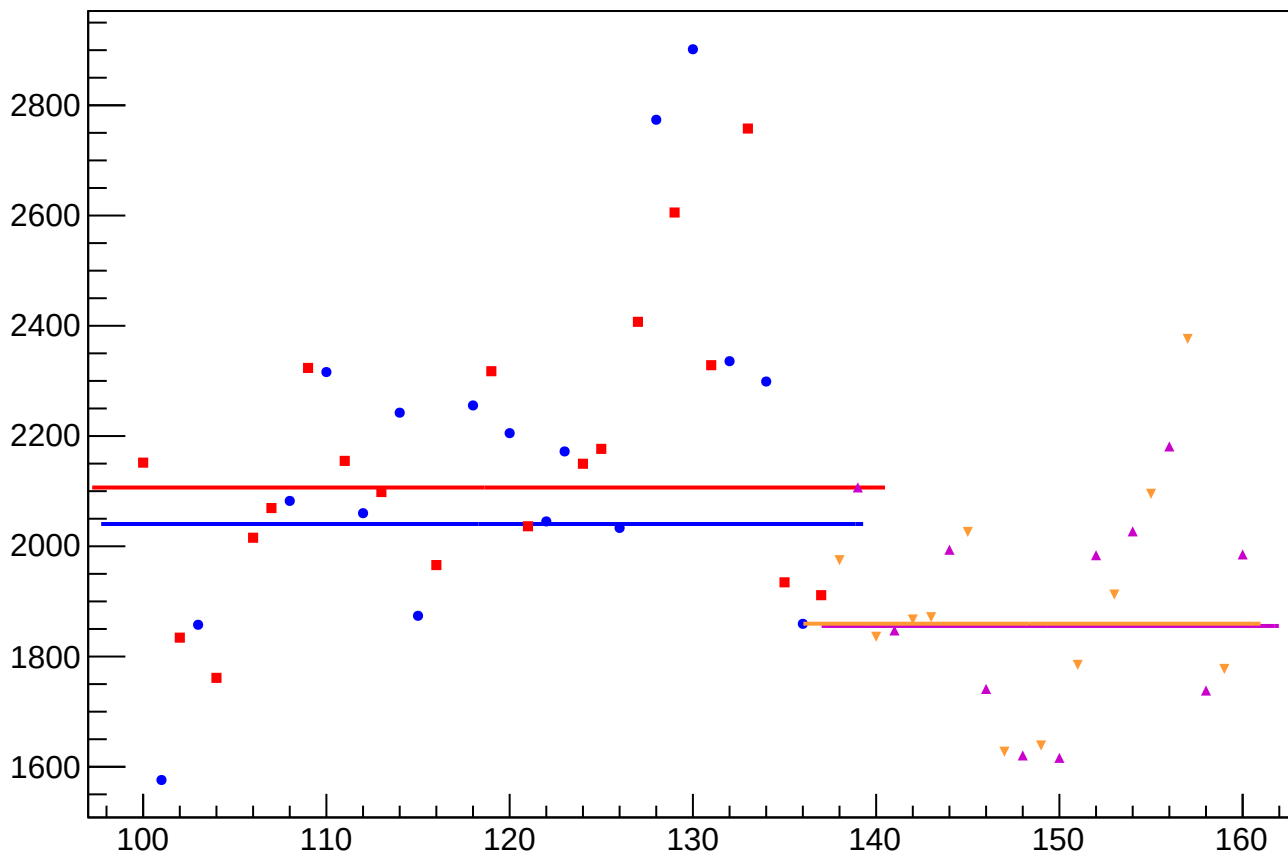
Right: 2970.754 $\pm$ 563.242 χ^2 /NDF: 30.1/35

In: 2313.365 $\pm$ 489.494 χ^2 /NDF: 29.0/27

Out: 1873.398 $\pm$ 491.257 χ^2 /NDF: 25.5/30

All: 2094.172 $\pm$ 346.746 χ^2 /NDF: 54.9/58

asym_usr_rms vs Slug, Sign Corrected



Right In: 2040.433 ± 0.564 $\chi^2/\text{NDF}: 331339.9/16$

Left Out: 1859.575 ± 0.442 $\chi^2/\text{NDF}: 177102.2/11$

Right Out: 2106.624 ± 0.562 $\chi^2/\text{NDF}: 195414.9/18$

Left In: 1855.489 ± 0.438 $\chi^2/\text{NDF}: 177826.0/10$

Left: 1857.517 ± 0.311 $\chi^2/\text{NDF}: 354971.3/22$

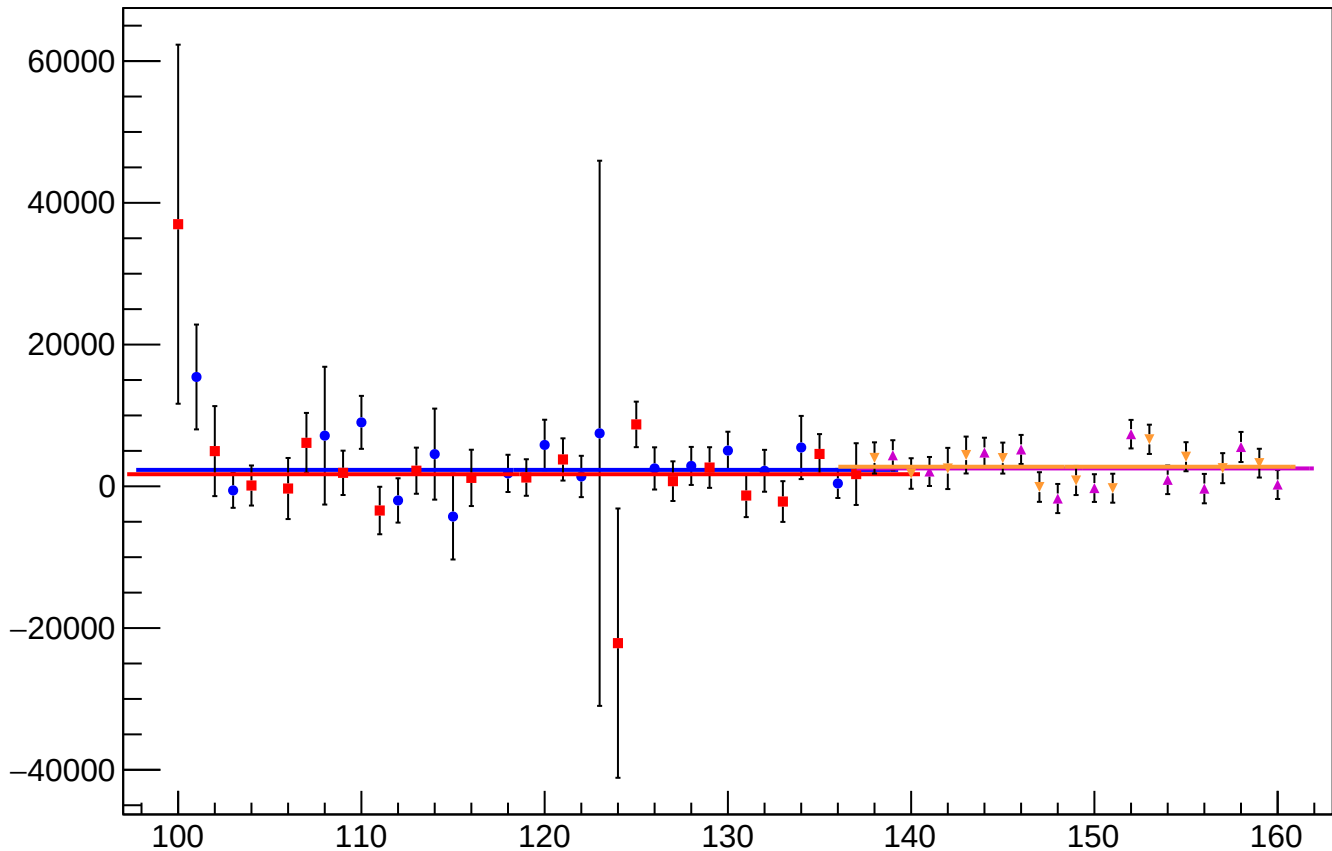
Right: 2073.628 ± 0.398 $\chi^2/\text{NDF}: 533659.8/35$

In: 1925.122 ± 0.346 $\chi^2/\text{NDF}: 576188.3/27$

Out: 1953.825 ± 0.347 $\chi^2/\text{NDF}: 491864.1/30$

All: 1939.422 ± 0.245 $\chi^2/\text{NDF}: 1071478.6/58$

dit_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2763.138 $\pm$ 627.374 χ^2 /NDF:10.3/11

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

Left In: 2522.800 $\pm$ 618.681 χ^2 /NDF:21.5/10

Left: 2641.292 $\pm$ 440.515 χ^2 /NDF: 31.8/22

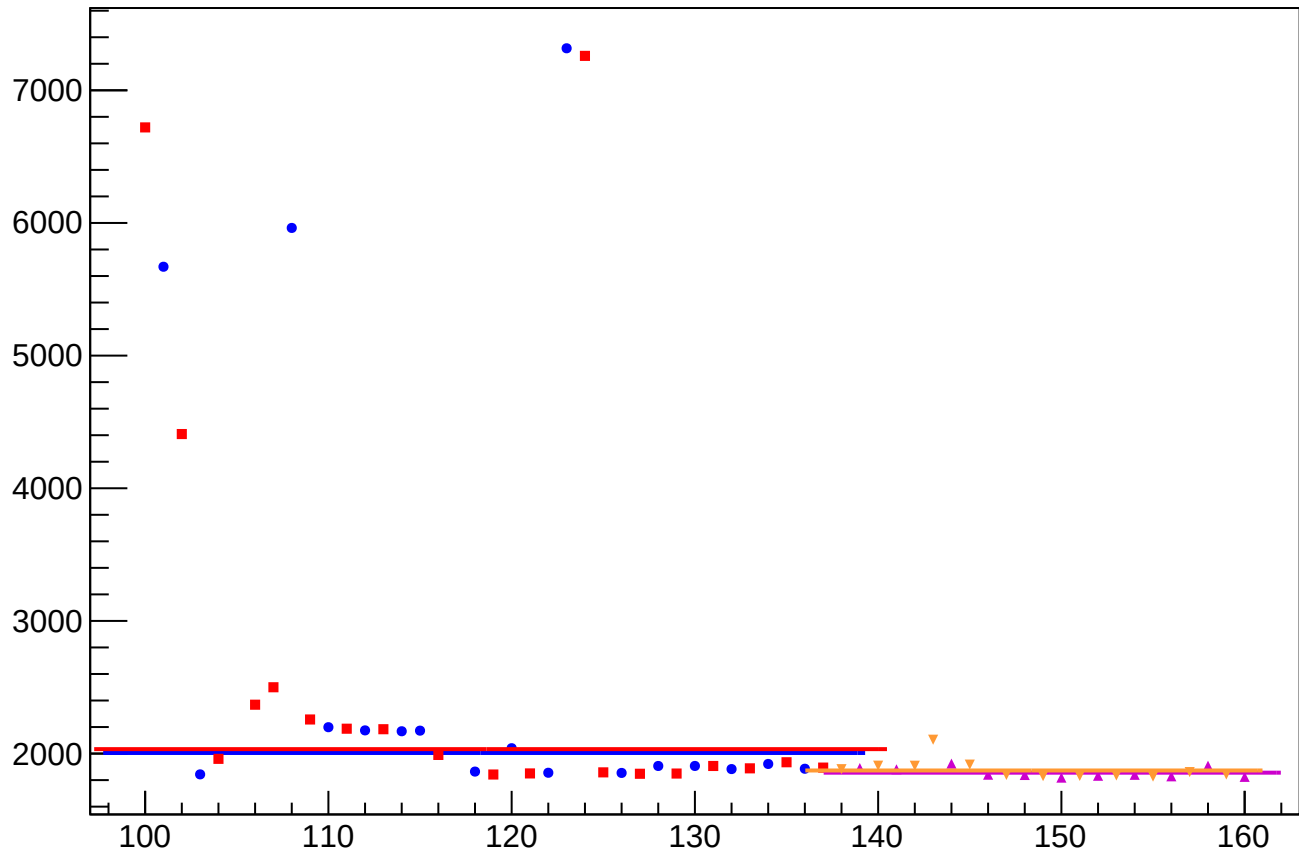
Right: 2005.073 $\pm$ 560.015 χ^2 /NDF: 32.3/35

In: 2446.714 $\pm$ 489.734 χ^2 /NDF:36.3/27

Out: 2349.524 $\pm$ 489.562 χ^2 /NDF:28.5/30

All: 2398.102 $\pm$ 346.234 χ^2 /NDF: 64.9/58

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1872.548+/-0.444 χ^2/NDF : 21996.4/11

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

Left In: 1856.073+/-0.437 χ^2/NDF : 6390.1/10

Left: 1864.196+/-0.311 χ^2/NDF : 29085.8/22

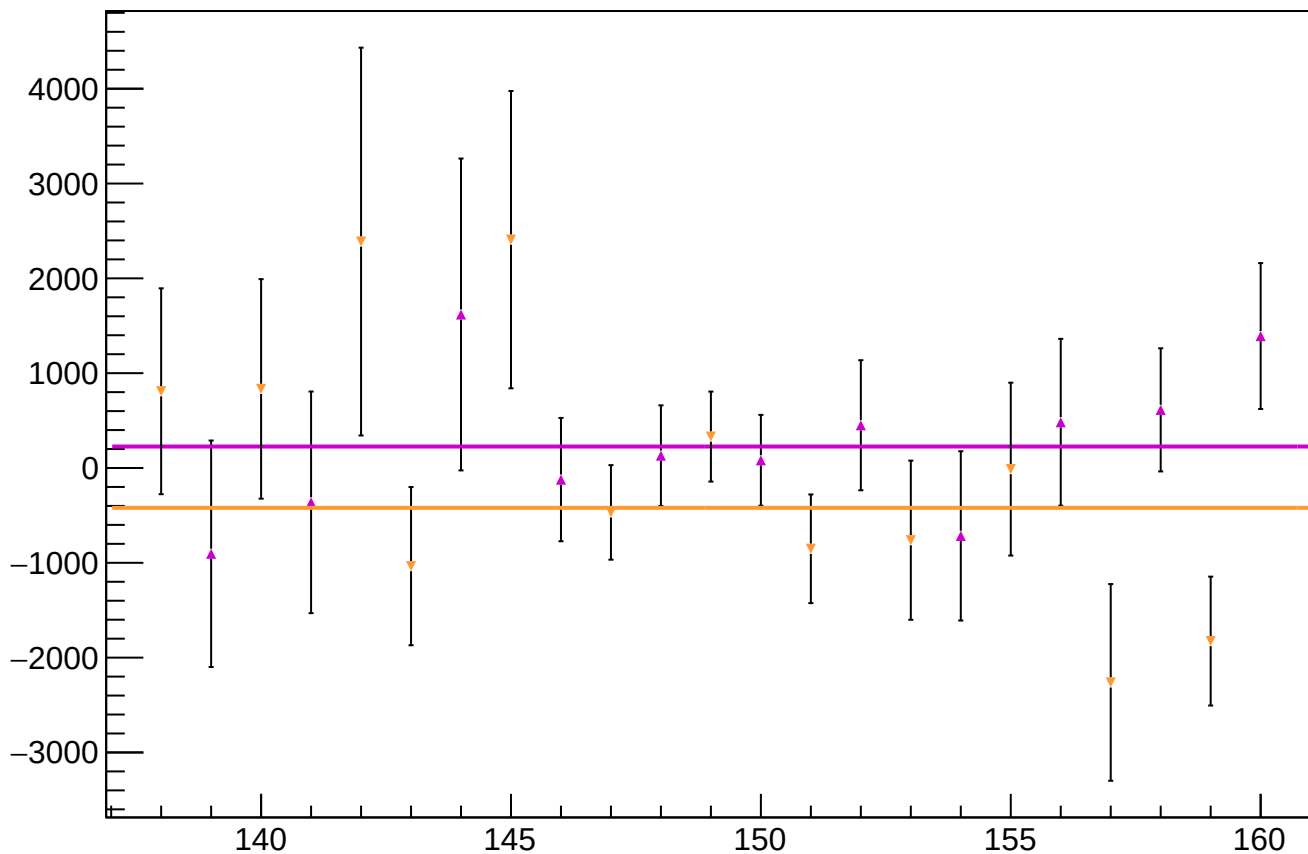
Right: 2019.360+/-0.396 χ^2/NDF : 1528357.7/35

In: 1911.515+/-0.346 χ^2/NDF : 965416.1/27

Out: 1935.489+/-0.346 χ^2/NDF : 684479.0/30

All: 1923.506+/-0.245 χ^2/NDF : 1652292.3/58

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -420.297+/-218.720 χ^2/NDF :19.0/11

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

Left In: 226.458+/-219.189 χ^2/NDF :6.2/10

Left: -97.613+/-154.824 χ^2/NDF : 29.6/22

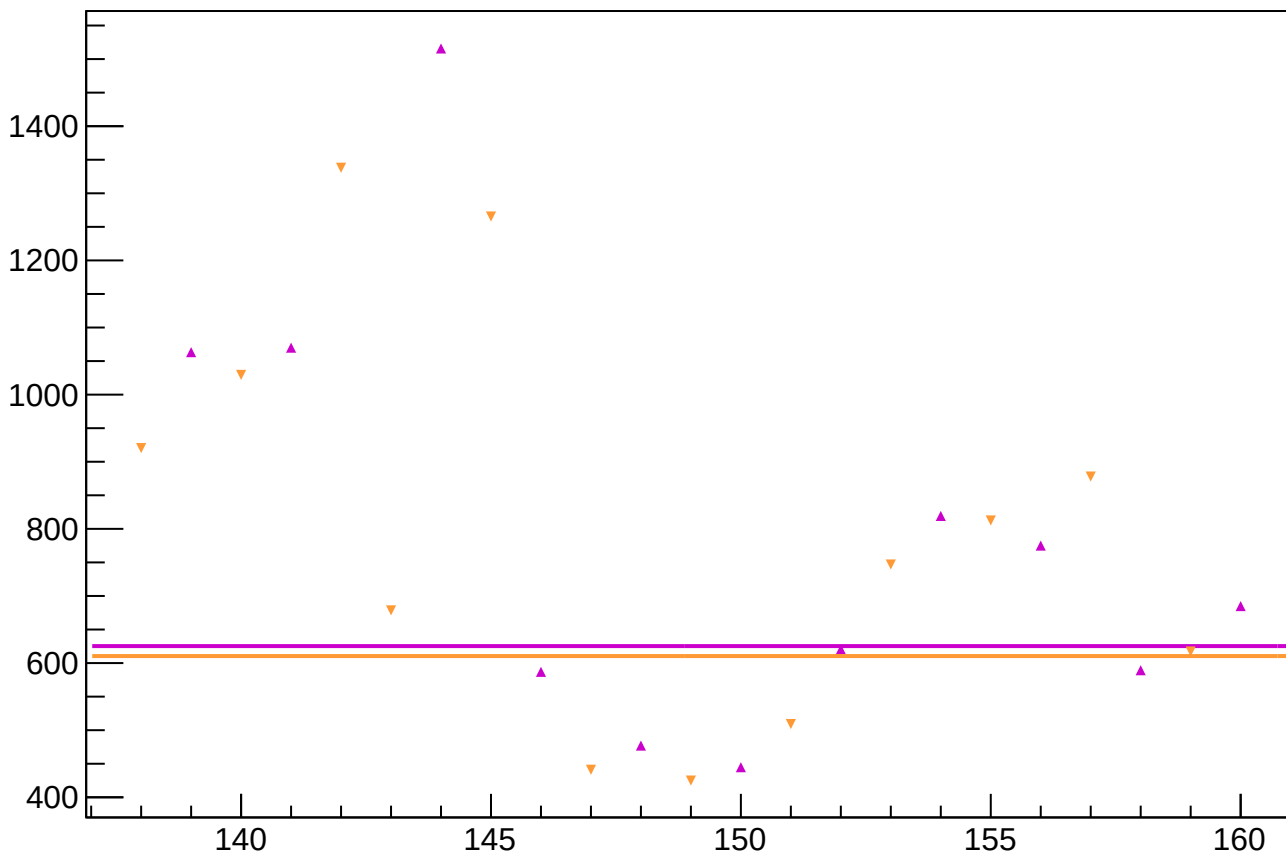
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 226.458+/-219.189 χ^2/NDF :6.2/10

Out: -420.297+/-218.720 χ^2/NDF :19.0/11

All: -97.613+/-154.824 χ^2/NDF : 29.6/22

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 610.454+/-0.155 χ^2/NDF :1923880.1/11

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

Left In: 625.311+/-0.155 χ^2/NDF :1762604.8/10

Left: 617.867+/-0.109 χ^2/NDF : 3691088.8/22

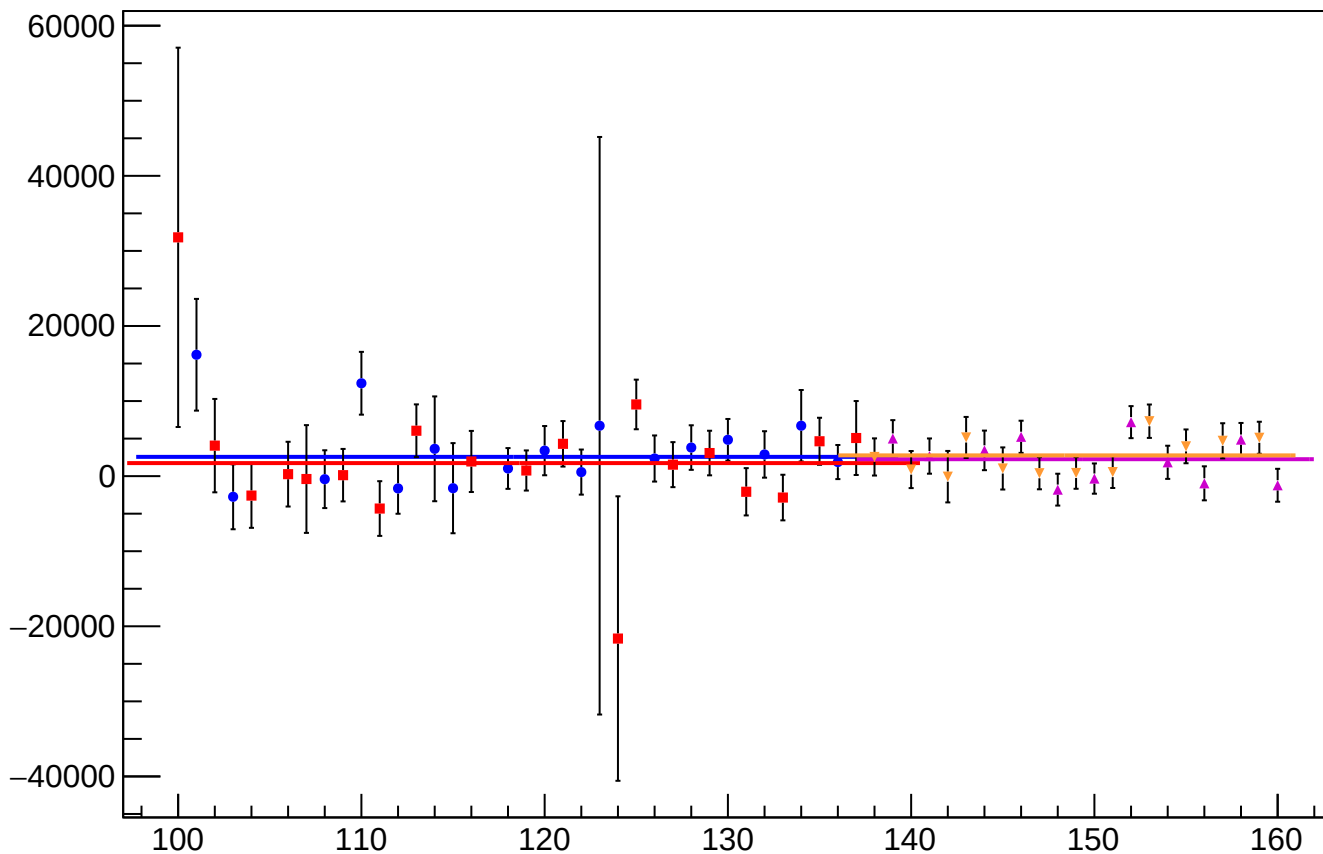
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 625.311+/-0.155 χ^2/NDF :1762604.8/10

Out: 610.454+/-0.155 χ^2/NDF :1923880.1/11

All: 617.867+/-0.109 χ^2/NDF : 3691088.8/22

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2764.420+/-683.471 χ^2/NDF :12.4/11

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

Left In: 2256.349+/-672.595 χ^2/NDF :20.0/10

Left: 2506.310+/-479.395 χ^2/NDF : 32.7/22

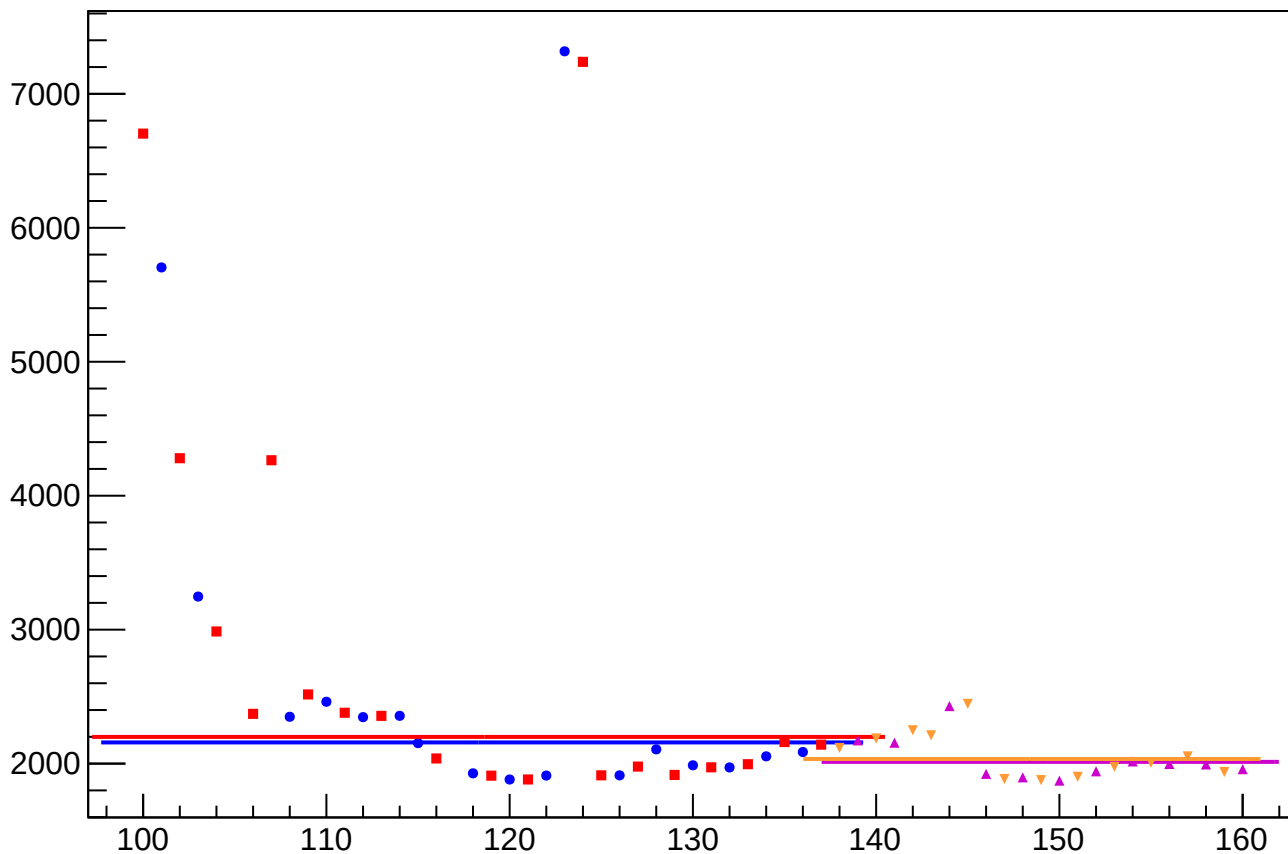
Right: 2150.830+/-604.316 χ^2/NDF : 36.5/35

In: 2374.838+/-528.887 χ^2/NDF :35.7/27

Out: 2363.080+/-533.419 χ^2/NDF :33.8/30

All: 2369.009+/-375.572 χ^2/NDF : 69.4/58

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2034.491 $\pm$ 0.483 χ^2 /NDF:103990.4/11

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

Left In: 2013.017 $\pm$ 0.476 χ^2 /NDF:88676.6/10

Left: 2023.582 $\pm$ 0.339 χ^2 /NDF: 193670.1/22

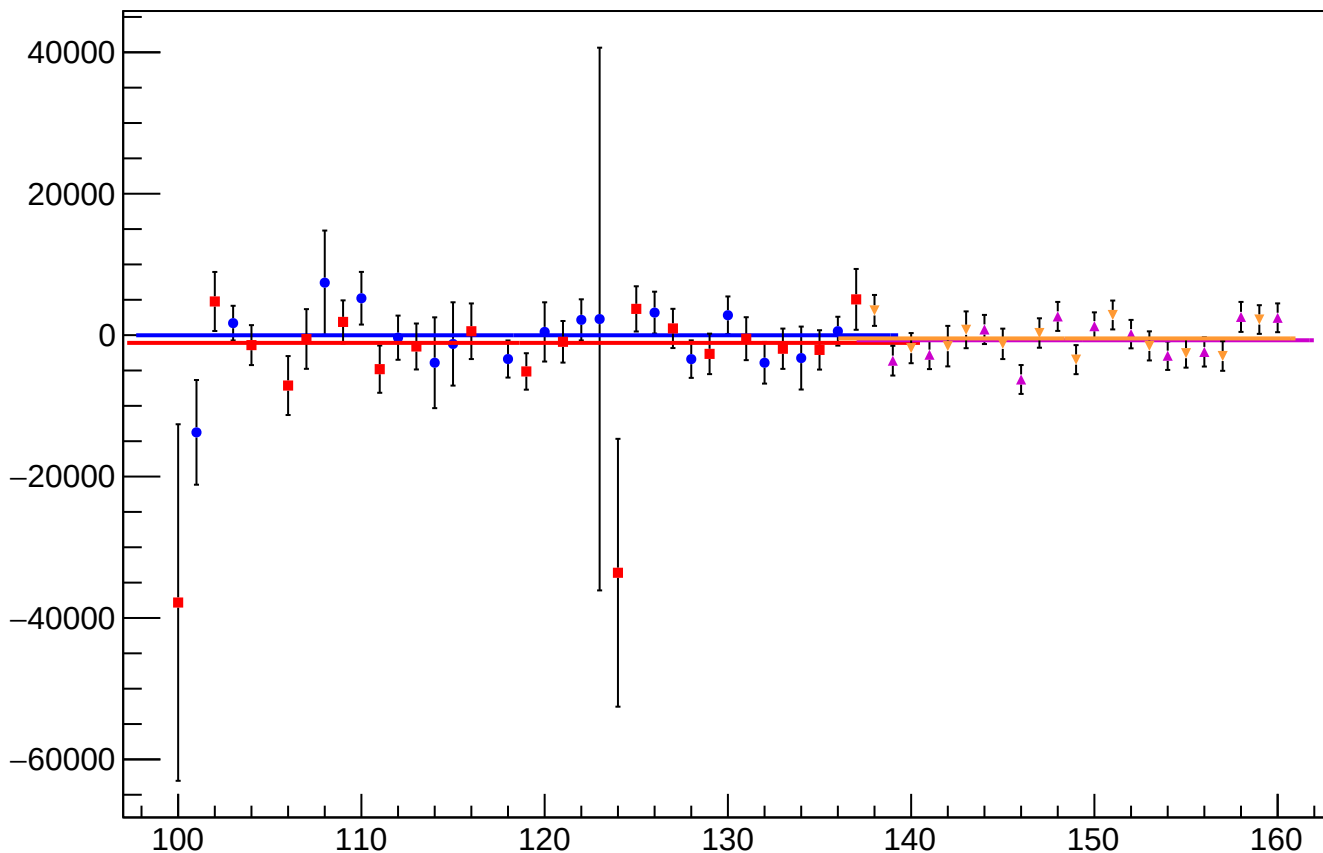
Right: 2178.816 $\pm$ 0.427 χ^2 /NDF: 1519207.5/35

In: 2068.410 $\pm$ 0.374 χ^2 /NDF:838080.0/27

Out: 2098.930 $\pm$ 0.377 χ^2 /NDF:952493.6/30

All: 2083.540 $\pm$ 0.266 χ^2 /NDF: 1793875.3/58

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -18.275 ± 801.405 $\chi^2/\text{NDF}: 15.8/16$

Left Out: -463.078 ± 623.981 $\chi^2/\text{NDF}: 13.5/11$

Right Out: -1095.433 ± 769.722 $\chi^2/\text{NDF}: 19.4/18$

Left In: -724.872 ± 616.226 $\chi^2/\text{NDF}: 21.4/10$

Left: -595.612 ± 438.454 $\chi^2/\text{NDF}: 35.0/22$

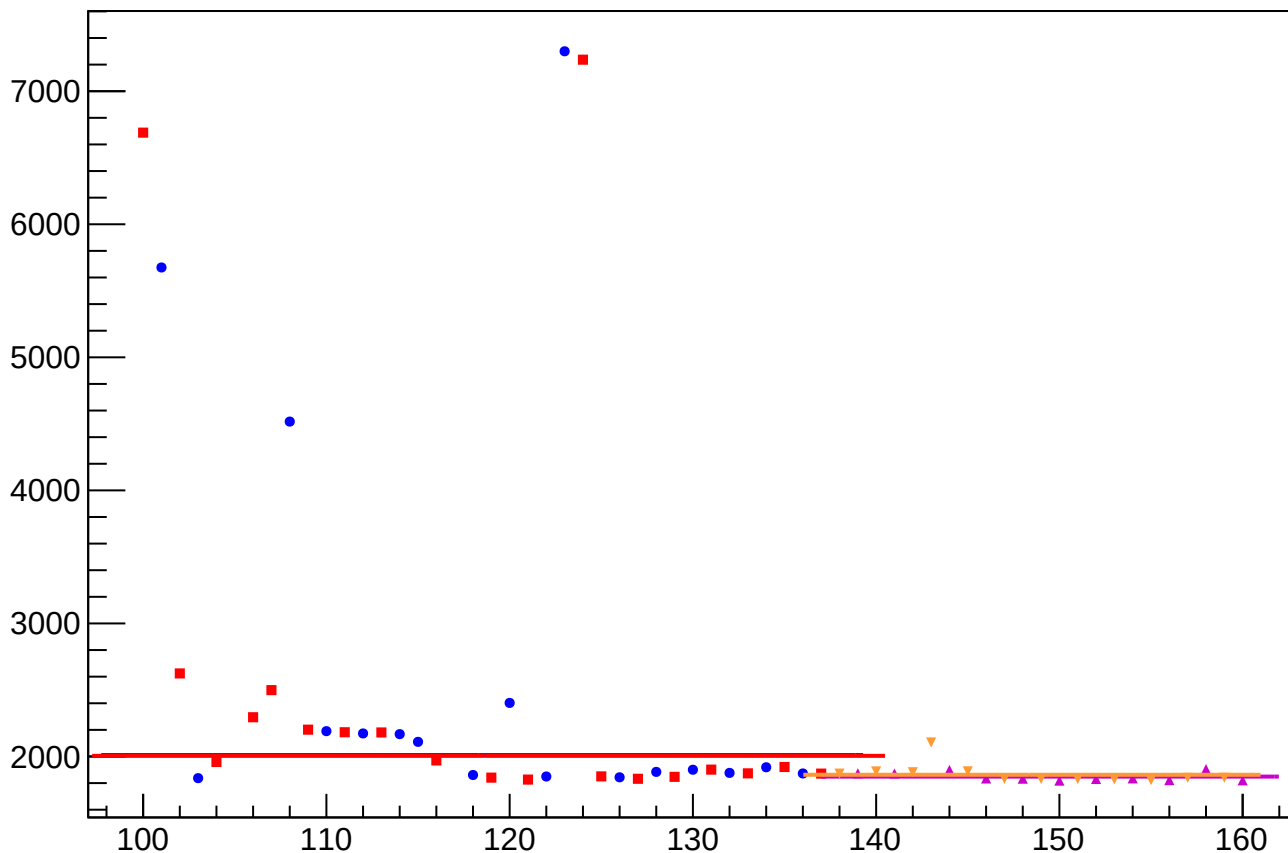
Right: -578.567 ± 555.139 $\chi^2/\text{NDF}: 36.2/35$

In: -462.325 ± 488.506 $\chi^2/\text{NDF}: 37.8/27$

Out: -713.844 ± 484.717 $\chi^2/\text{NDF}: 33.3/30$

All: -589.064 ± 344.079 $\chi^2/\text{NDF}: 71.2/58$

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2010.272+/-0.567 χ^2/NDF : 839746.7/16

Left Out: 1862.545+/-0.441 χ^2/NDF : 21326.8/11

Right Out: 2004.882+/-0.544 χ^2/NDF : 367513.0/18

Left In: 1848.829+/-0.436 χ^2/NDF : 4784.9/10

Left: 1855.601+/-0.310 χ^2/NDF : 26601.0/22

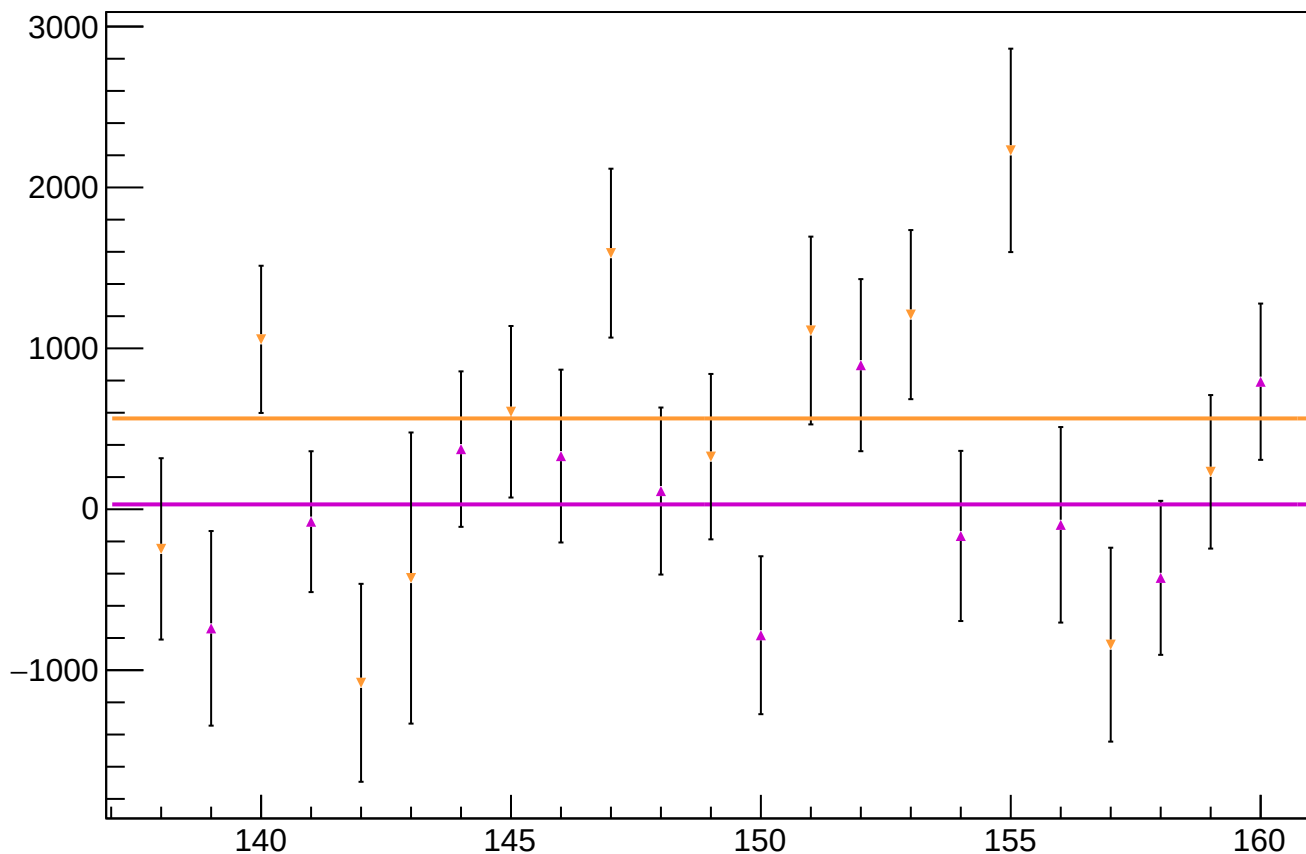
Right: 2007.469+/-0.393 χ^2/NDF : 1207306.7/35

In: 1908.816+/-0.345 χ^2/NDF : 895538.1/27

Out: 1918.991+/-0.343 χ^2/NDF : 430109.8/30

All: 1913.943+/-0.243 χ^2/NDF : 1326085.1/58

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 564.511+/-160.264 χ^2/NDF :30.9/11

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

Left In: 30.276+/-154.381 χ^2/NDF :11.4/10

Left: 287.409+/-111.185 χ^2/NDF : 48.1/22

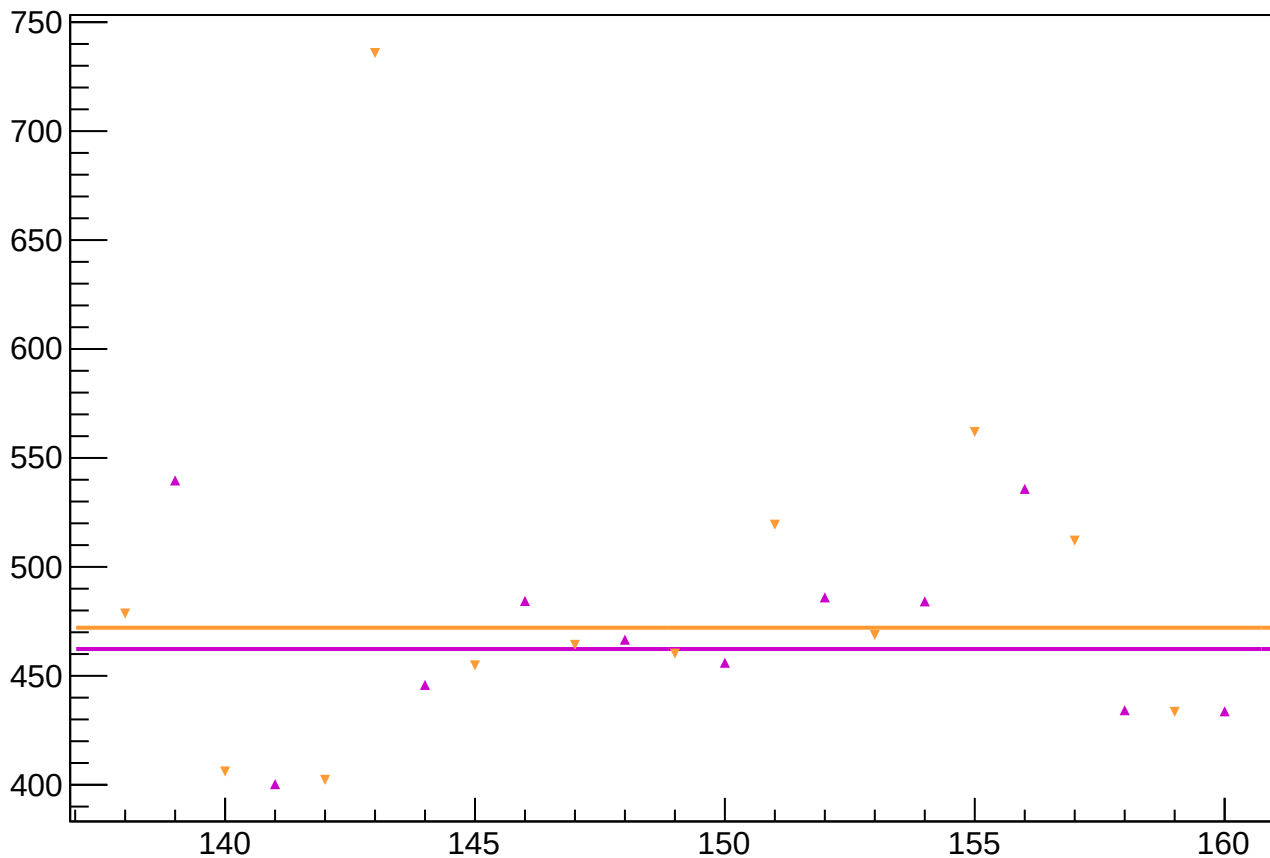
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 30.276+/-154.381 χ^2/NDF :11.4/10

Out: 564.511+/-160.264 χ^2/NDF :30.9/11

All: 287.409+/-111.185 χ^2/NDF : 48.1/22

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 472.097+/-0.113 χ^2/NDF :316736.4/11

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

Left In: 462.321+/-0.109 χ^2/NDF :129477.5/10

Left: 467.026+/-0.079 χ^2/NDF : 450074.0/22

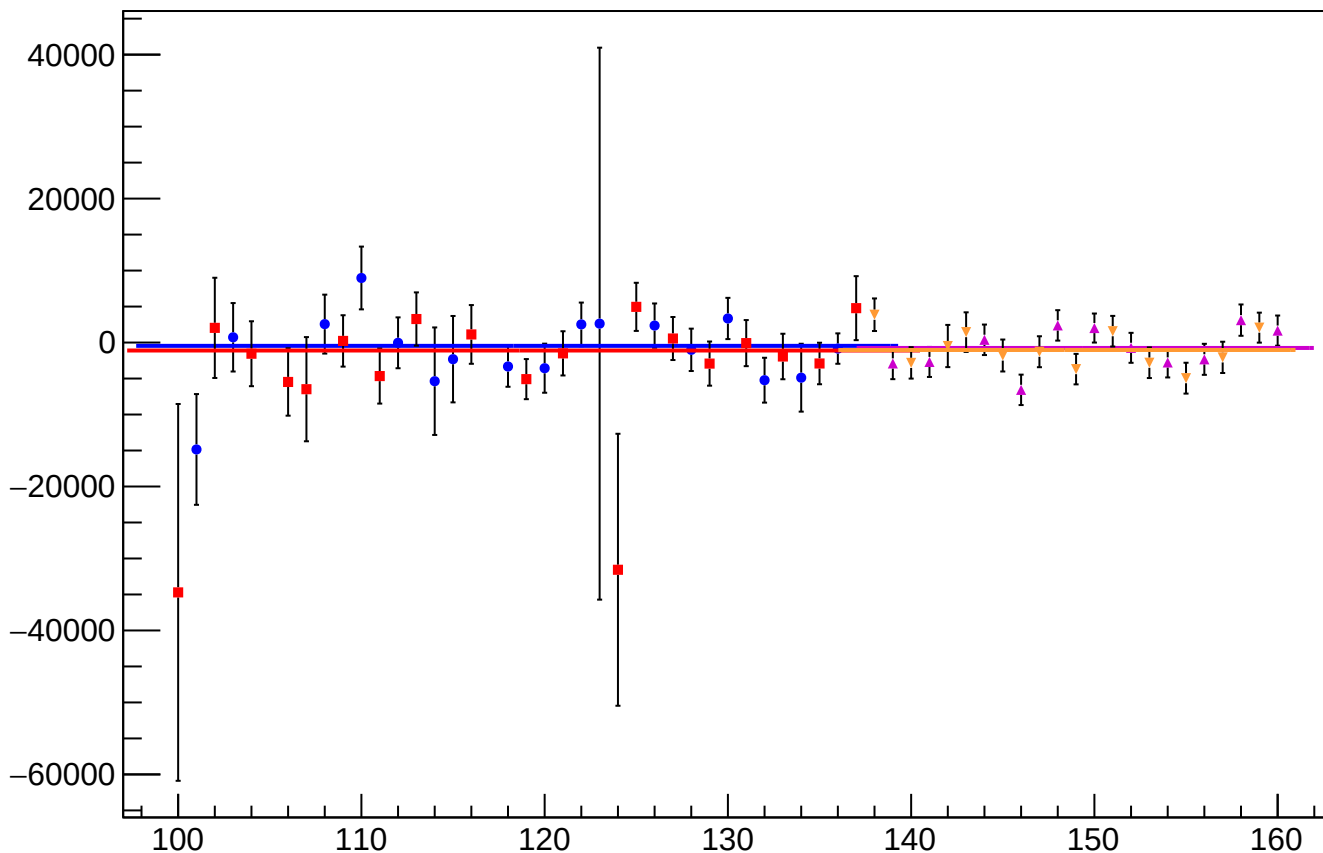
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 462.321+/-0.109 χ^2/NDF :129477.5/10

Out: 472.097+/-0.113 χ^2/NDF :316736.4/11

All: 467.026+/-0.079 χ^2/NDF : 450074.0/22

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -1032.456 ± 645.739 χ^2/NDF : 15.9/11

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

Left In: -750.835 ± 636.068 χ^2/NDF : 19.7/10

Left: -889.521 ± 453.148 χ^2/NDF : 35.7/22

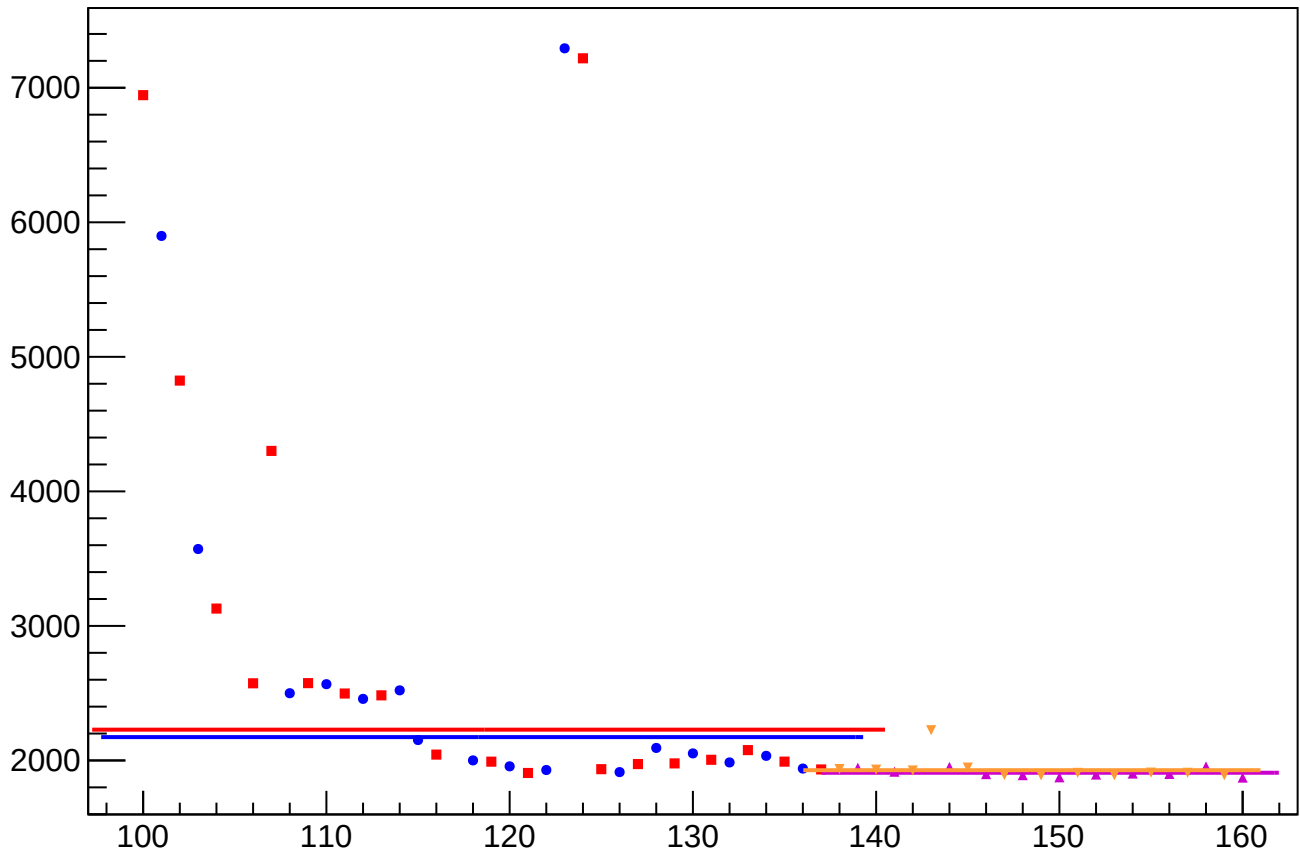
Right: -780.562 ± 612.463 χ^2/NDF : 35.2/35

In: -648.196 ± 512.469 χ^2/NDF : 37.9/27

Out: -1058.088 ± 517.916 χ^2/NDF : 32.8/30

All: -850.975 ± 364.281 χ^2/NDF : 71.0/58

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1927.494+/-0.457 χ^2/NDF : 26517.9/11

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

Left In: 1908.617+/-0.450 χ^2/NDF : 3850.3/10

Left: 1917.913+/-0.320 χ^2/NDF : 31235.6/22

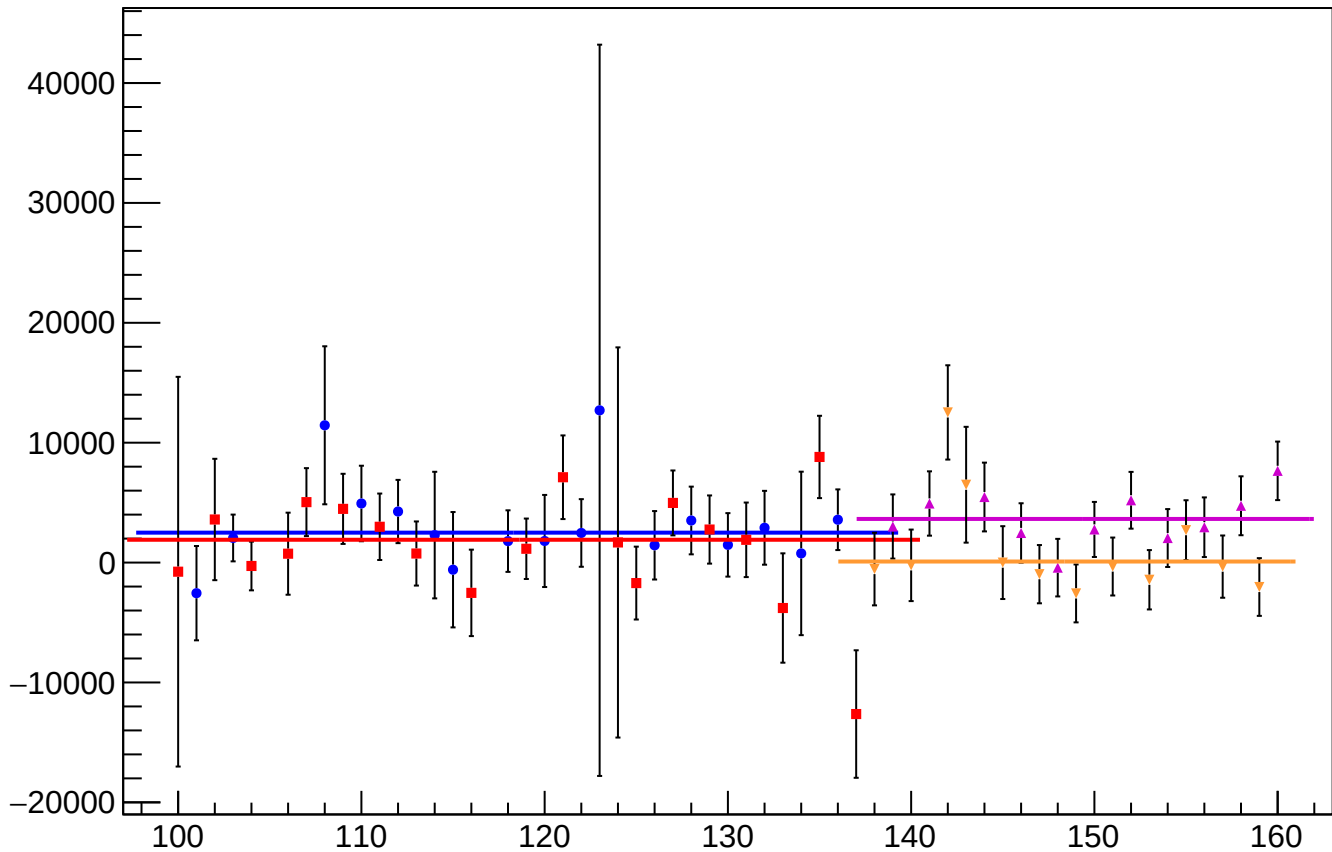
Right: 2201.146+/-0.433 χ^2/NDF : 1705309.7/35

In: 2001.568+/-0.362 χ^2/NDF : 930935.1/27

Out: 2035.007+/-0.366 χ^2/NDF : 1077806.2/30

All: 2018.111+/-0.258 χ^2/NDF : 2012954.0/58

dit_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 87.884 $\pm$ 792.052 χ^2/NDF : 15.5/11

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

Left In: 3639.711 $\pm$ 751.439 χ^2/NDF : 7.8/10

Left: 1957.189 $\pm$ 545.140 χ^2/NDF : 33.9/22

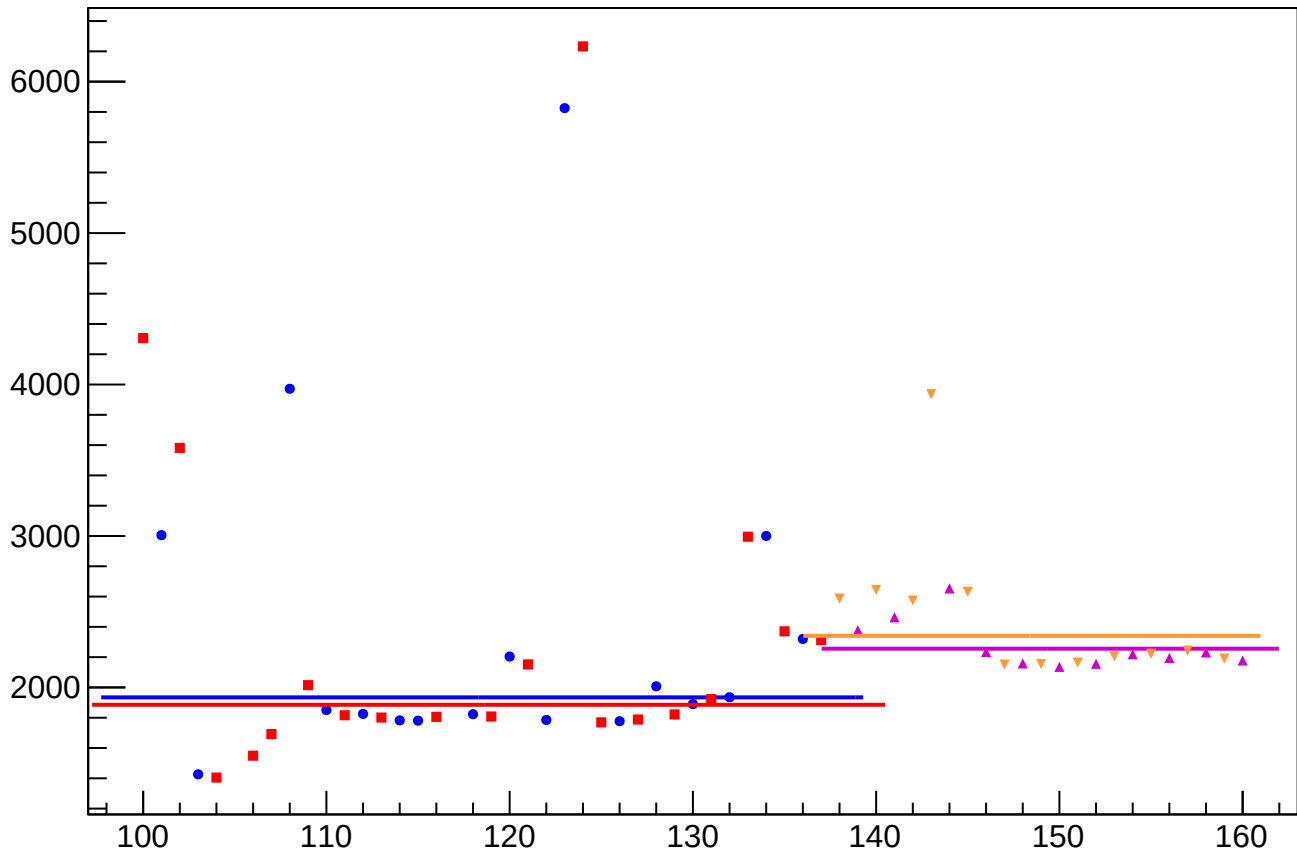
Right: 2187.370 $\pm$ 531.779 χ^2/NDF : 29.7/35

In: 3080.837 $\pm$ 537.208 χ^2/NDF : 14.8/27

Out: 1060.946 $\pm$ 539.470 χ^2/NDF : 41.8/30

All: 2075.135 $\pm$ 380.661 χ^2/NDF : 63.6/58

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1934.404+/-0.543 χ^2/NDF : 638920.4/16

Left Out: 2340.671+/-0.560 χ^2/NDF :333329.2/11

Right Out: 1885.547+/-0.521 χ^2/NDF : 752091.8/18

Left In: 2255.843+/-0.531 χ^2/NDF :70982.6/10

Left: 2296.027+/-0.385 χ^2/NDF : 416385.3/22

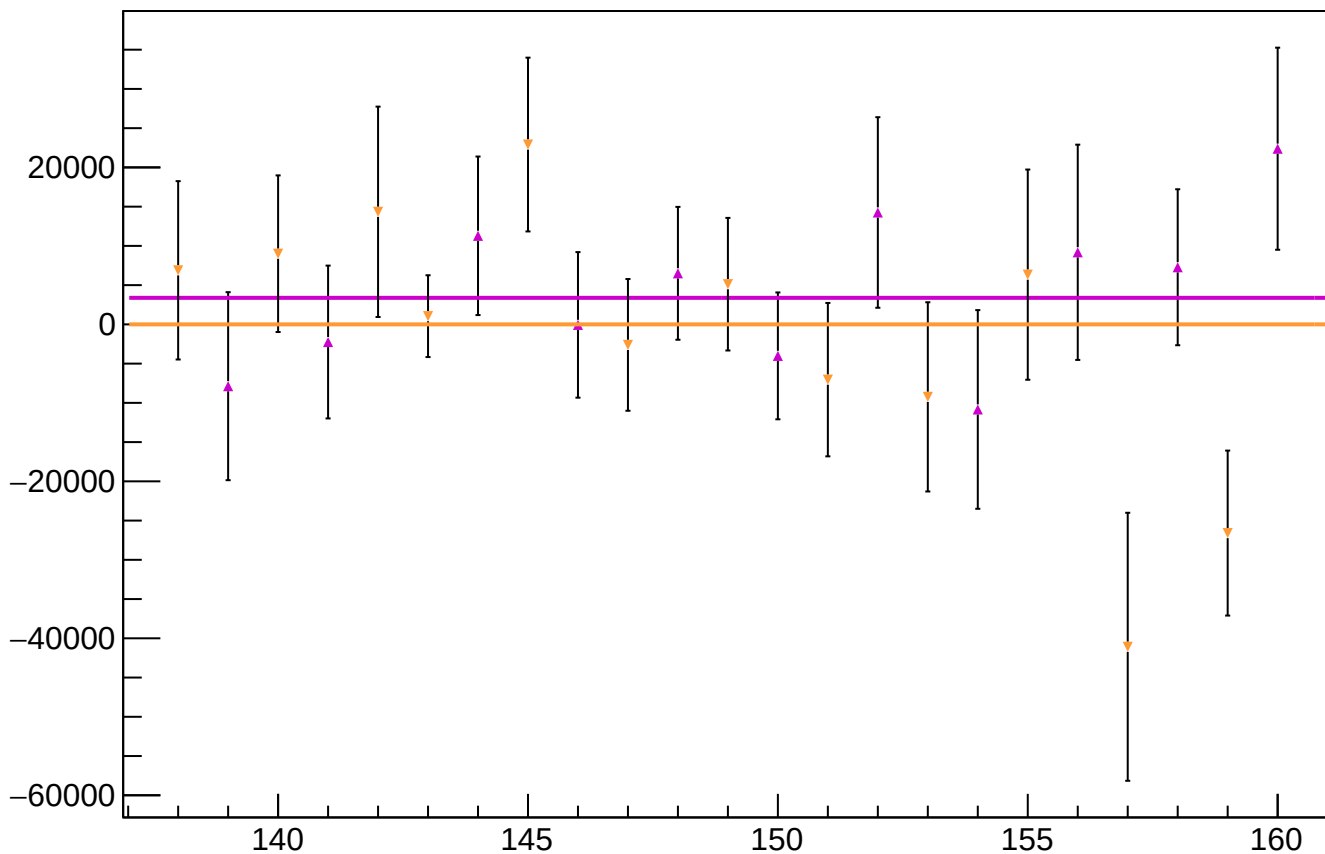
Right: 1908.949+/-0.376 χ^2/NDF : 1395226.1/35

In: 2098.688+/-0.380 χ^2/NDF :888827.1/27

Out: 2096.639+/-0.381 χ^2/NDF :1439499.9/30

All: 2097.668+/-0.269 χ^2/NDF : 2328341.5/58

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.894+/-2753.041 χ^2/NDF :20.6/11

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

Left In: 3381.569+/-3120.063 χ^2/NDF :7.5/10

Left: 1480.789+/-2064.320 χ^2/NDF : 28.8/22

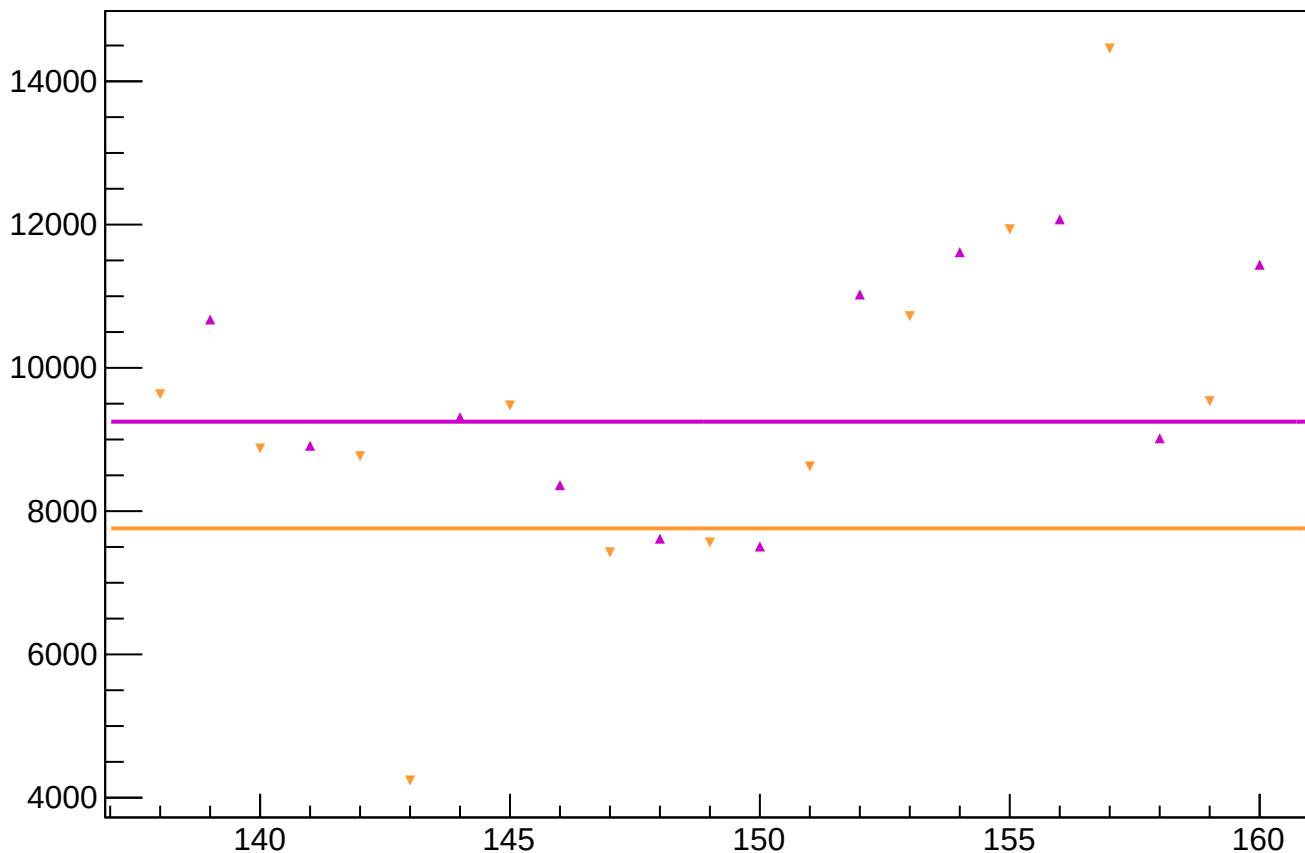
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3381.569+/-3120.063 χ^2/NDF :7.5/10

Out: 0.894+/-2753.041 χ^2/NDF :20.6/11

All: 1480.789+/-2064.320 χ^2/NDF : 28.8/22

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 7759.089+/-1.947 χ^2/NDF :1750411.4/11

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

Left In: 9248.712+/-2.206 χ^2/NDF :472938.3/10

Left: 8411.173+/-1.460 χ^2/NDF : 2479670.7/22

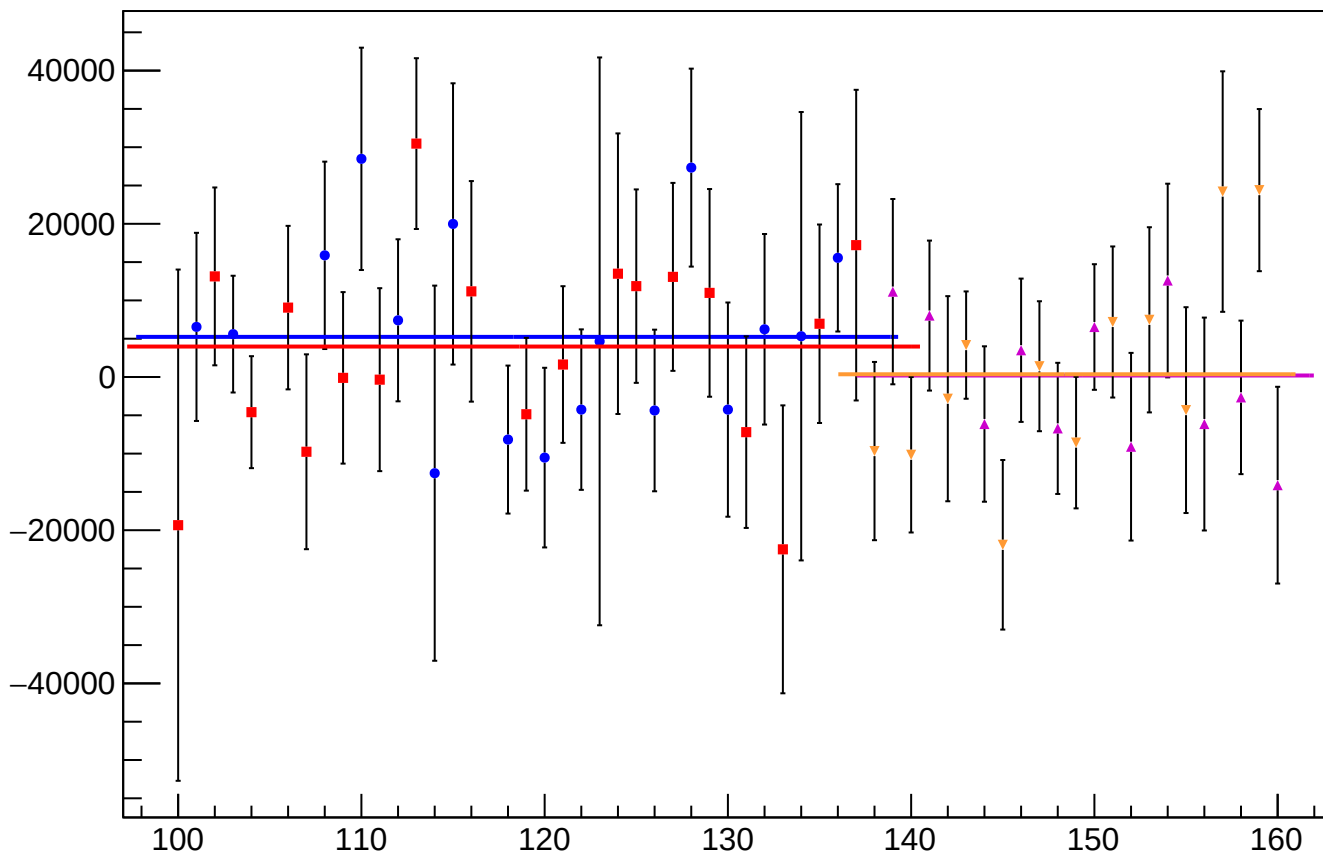
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9248.712+/-2.206 χ^2/NDF :472938.3/10

Out: 7759.089+/-1.947 χ^2/NDF :1750411.4/11

All: 8411.173+/-1.460 χ^2/NDF : 2479670.7/22

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 356.703+/-2957.628 χ^2/NDF : 15.7/11

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

Left In: 197.250+/-3145.732 χ^2/NDF : 6.3/10

Left: 281.886+/-2154.791 χ^2/NDF : 22.0/22

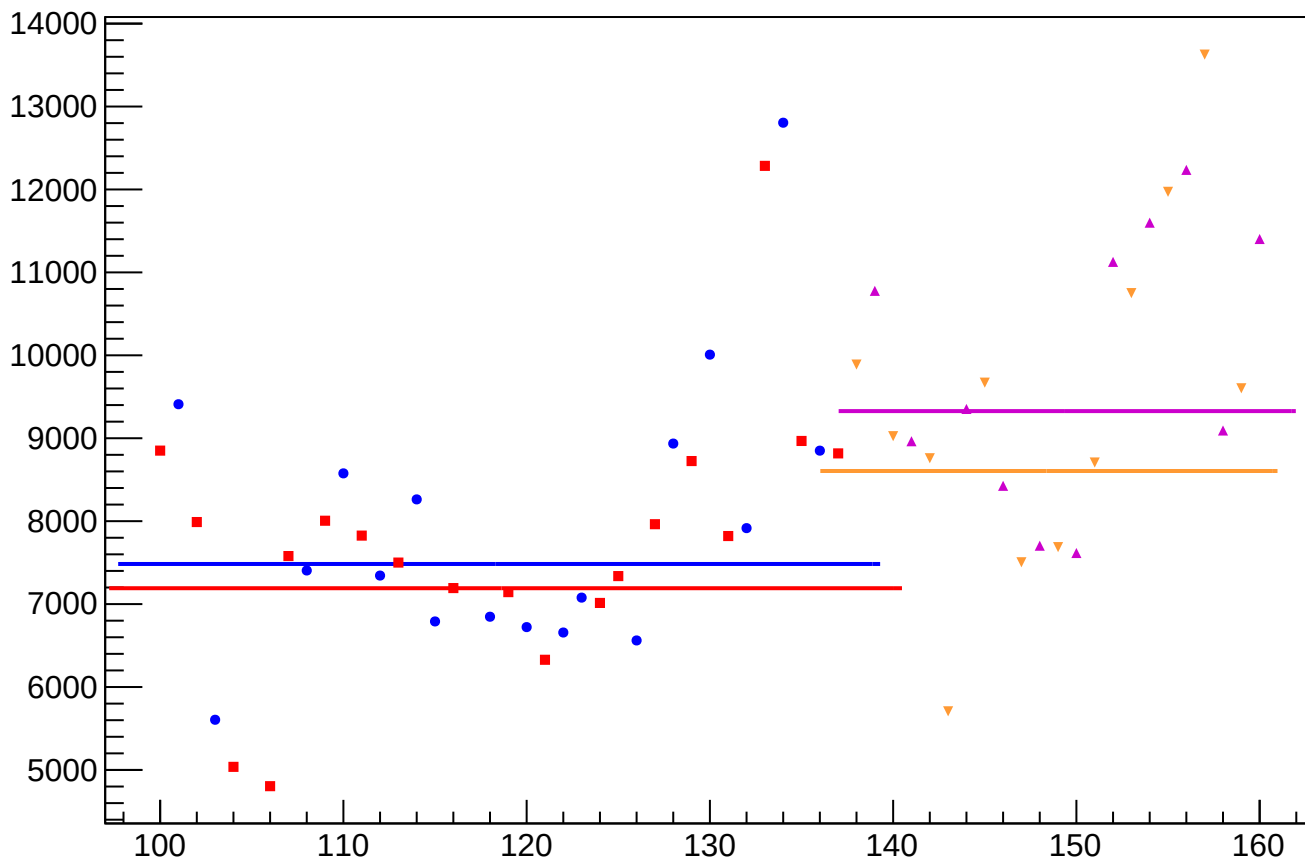
Right: 4573.057+/-2025.948 χ^2/NDF : 30.2/35

In: 2882.876+/-2150.346 χ^2/NDF : 22.1/27

Out: 2271.578+/-2029.664 χ^2/NDF : 32.1/30

All: 2559.593+/-1476.010 χ^2/NDF : 54.3/58

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 8605.005 +/- 2.091 χ^2/NDF : 856455.2/11

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

Left In: 9327.298 +/- 2.224 χ^2/NDF : 457803.7/10

Left: 8943.912 +/- 1.524 χ^2/NDF : 1370226.4/22

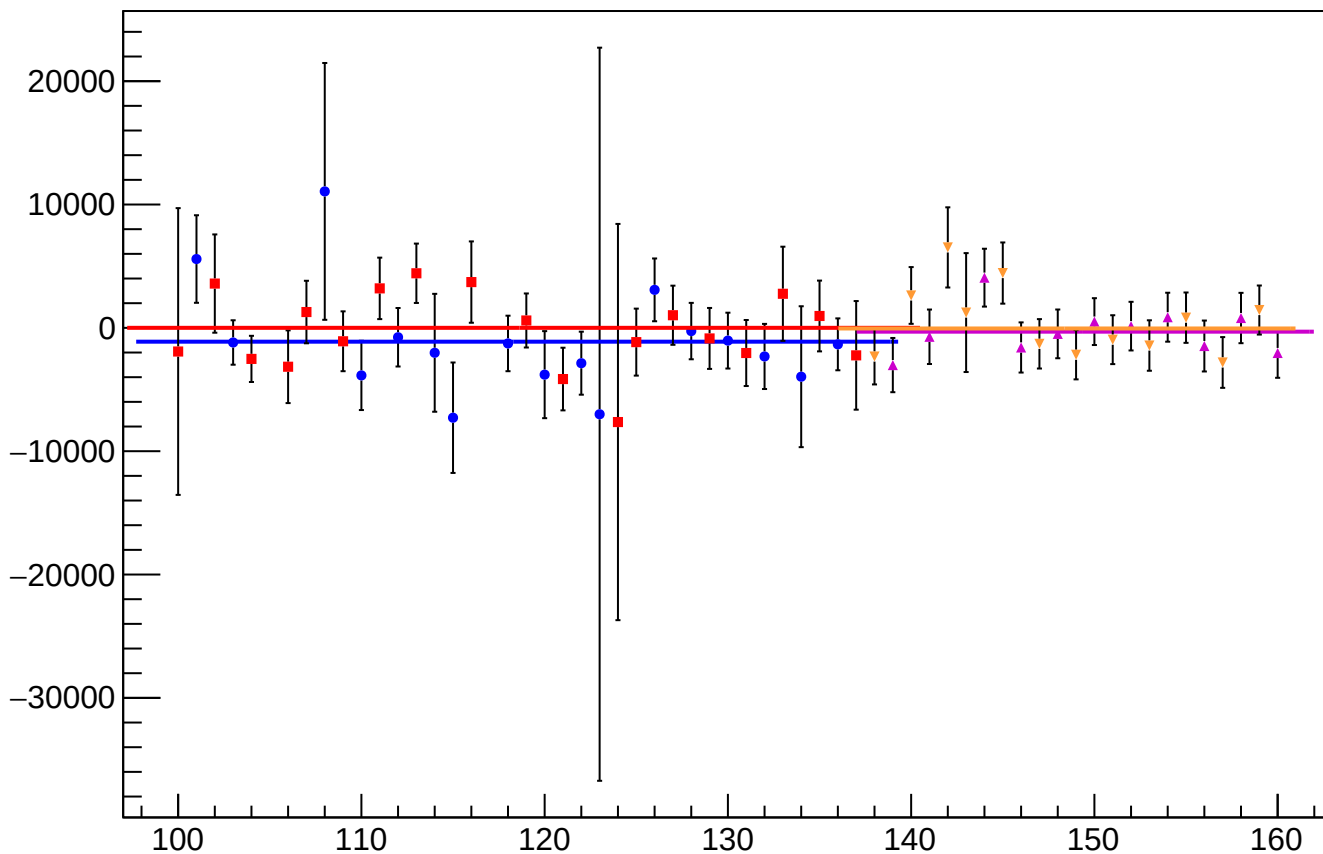
Right: 7329.673 +/- 1.432 χ^2/NDF : 1000940.7/35

In: 8345.190 +/- 1.521 χ^2/NDF : 1255534.5/27

Out: 7857.053 +/- 1.435 χ^2/NDF : 1656937.4/30

All: 8087.027 +/- 1.044 χ^2/NDF : 2966979.9/58

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -1120.496 ± 679.161 χ^2/NDF : 12.3/16

Left Out: -49.873 ± 644.526 χ^2/NDF : 14.5/11

Right Out: 2.515 ± 639.678 χ^2/NDF : 15.5/18

Left In: -308.715 ± 619.931 χ^2/NDF : 7.4/10

Left: -184.327 ± 446.800 χ^2/NDF : 22.0/22

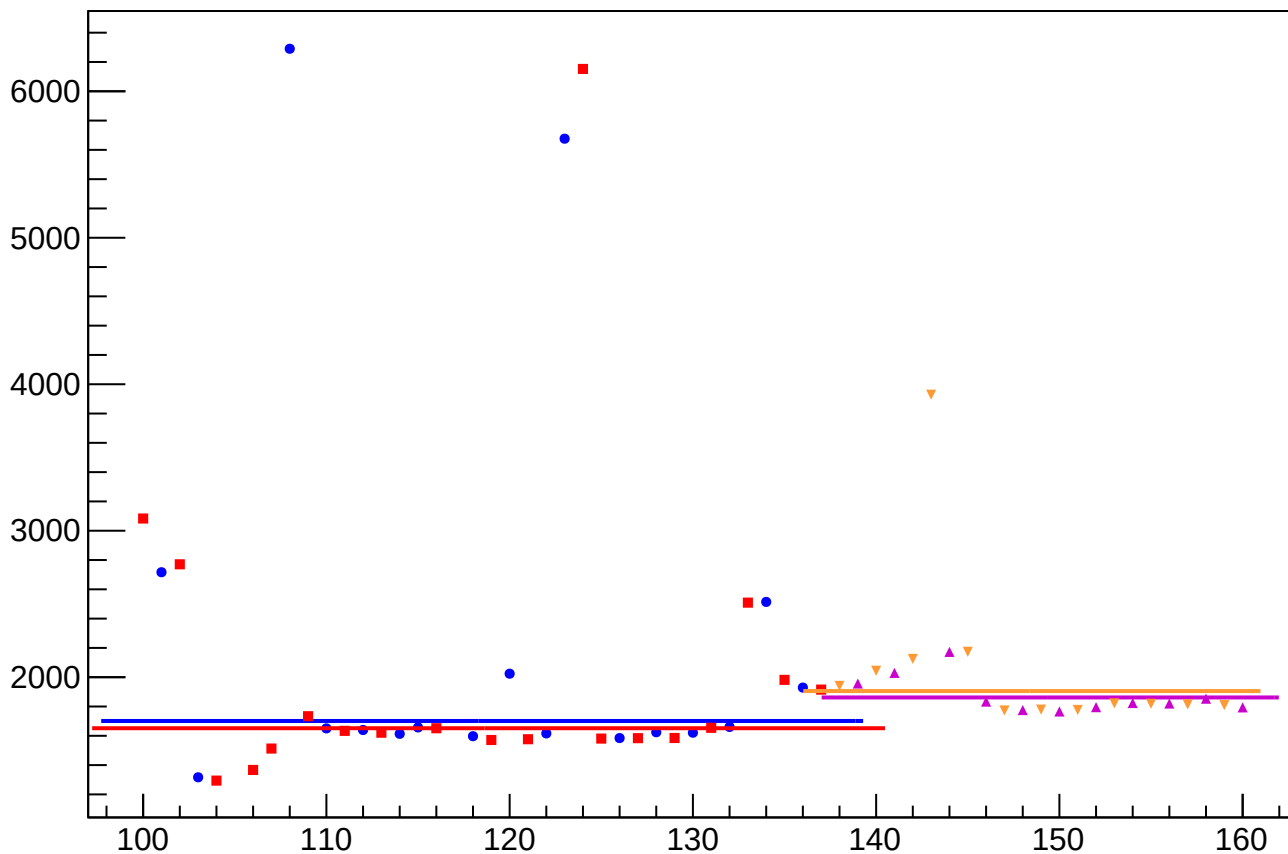
Right: -525.400 ± 465.654 χ^2/NDF : 29.2/35

In: -677.670 ± 457.868 χ^2/NDF : 20.4/27

Out: -23.481 ± 454.025 χ^2/NDF : 30.0/30

All: -347.819 ± 322.394 χ^2/NDF : 51.5/58

dit_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 1905.458 $\pm$ 0.456 χ^2/NDF : 433280.4/11

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

Left In: 1861.766 $\pm$ 0.438 χ^2/NDF : 65887.0/10

Left: 1882.762 $\pm$ 0.316 χ^2/NDF : 503941.4/22

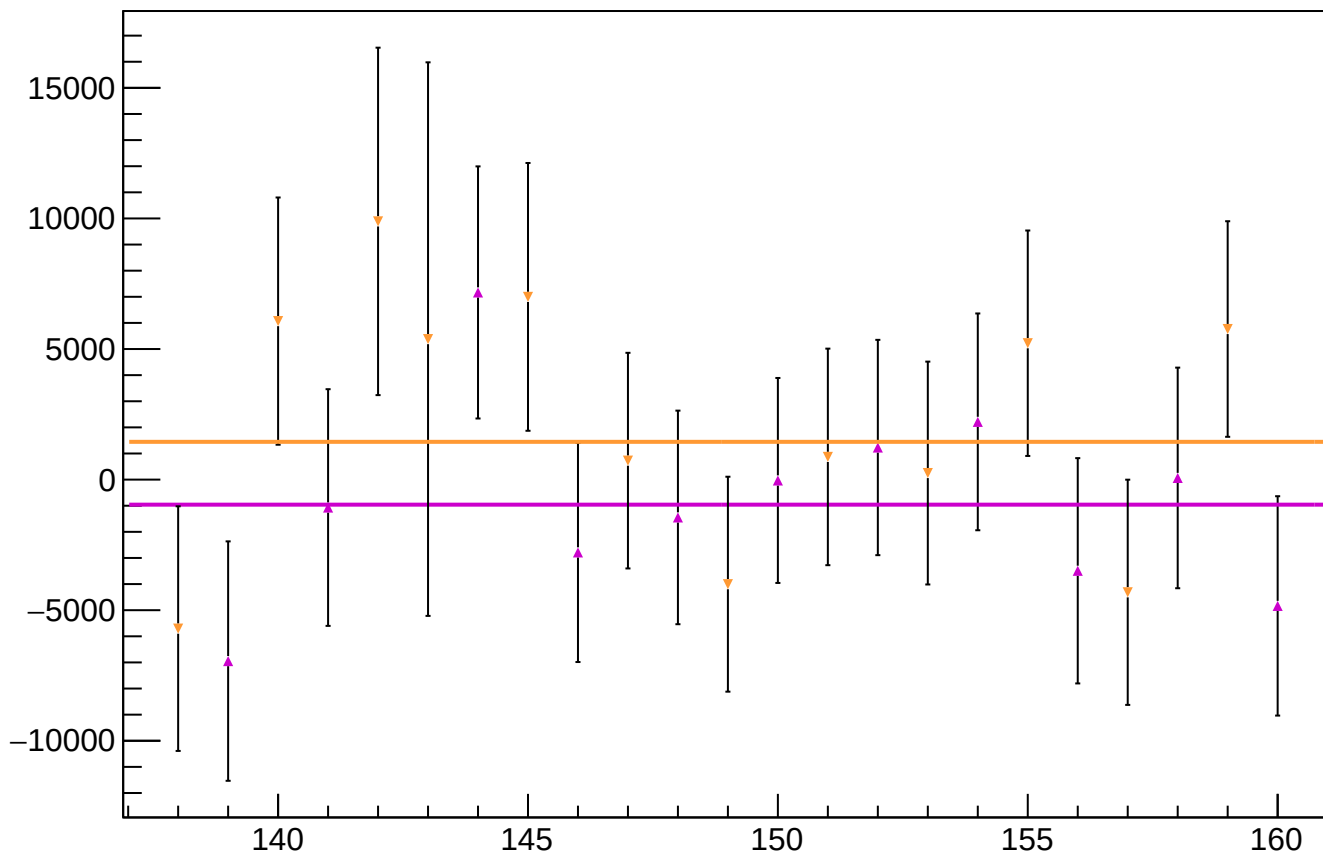
Right: 1675.026 $\pm$ 0.329 χ^2/NDF : 1373201.9/35

In: 1788.826 $\pm$ 0.324 χ^2/NDF : 905522.9/27

Out: 1777.638 $\pm$ 0.321 χ^2/NDF : 1178260.7/30

All: 1783.185 $\pm$ 0.228 χ^2/NDF : 2084385.7/58

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 1446.661+/-1340.161 χ^2/NDF :11.7/11

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

Left In: -959.235+/-1286.587 χ^2/NDF :6.9/10

Left: 194.665+/-928.116 χ^2/NDF : 20.3/22

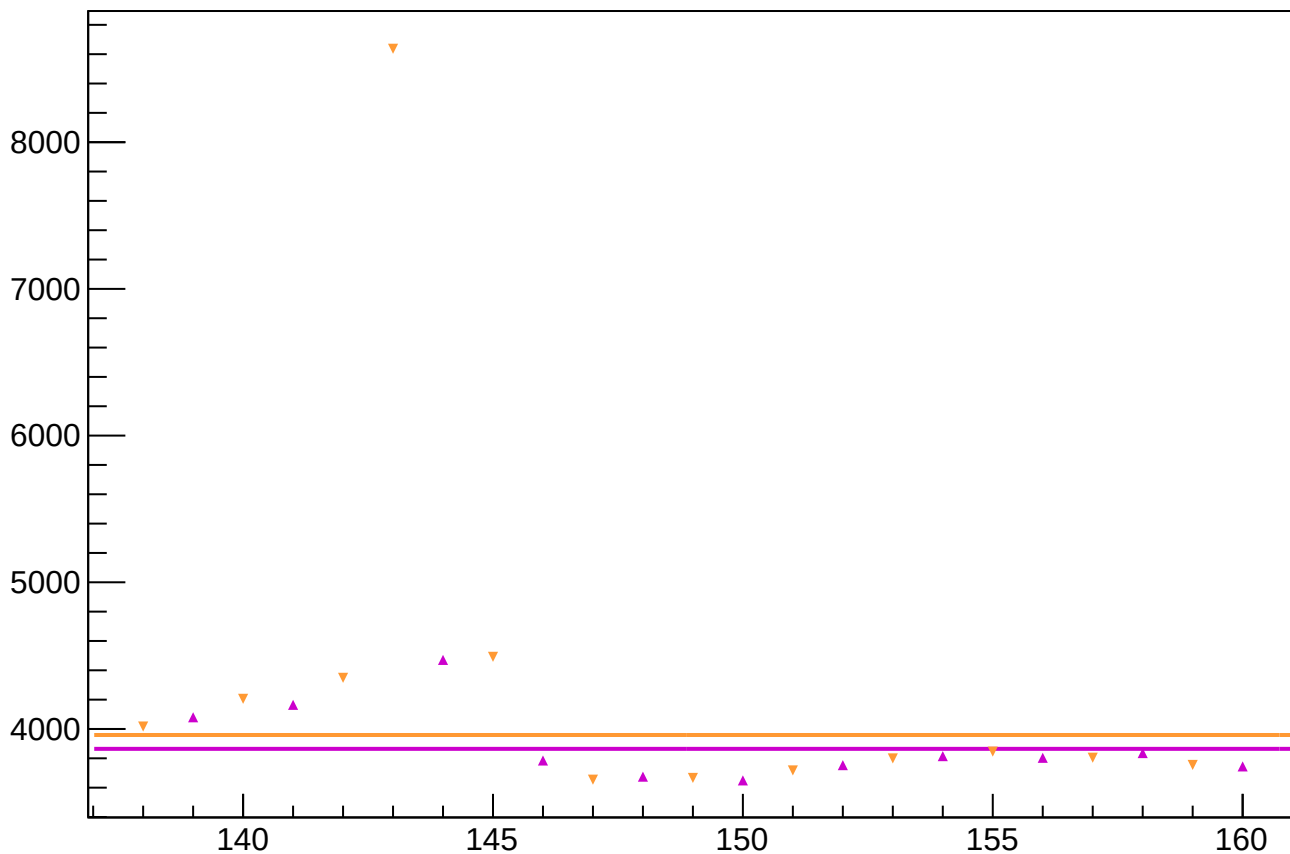
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -959.235+/-1286.587 χ^2/NDF :6.9/10

Out: 1446.661+/-1340.161 χ^2/NDF :11.7/11

All: 194.665+/-928.116 χ^2/NDF : 20.3/22

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3958.986+/-0.948 χ^2/NDF :463295.1/11

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

Left In: 3864.563+/-0.910 χ^2/NDF :59624.0/10

Left: 3909.849+/-0.656 χ^2/NDF : 528085.6/22

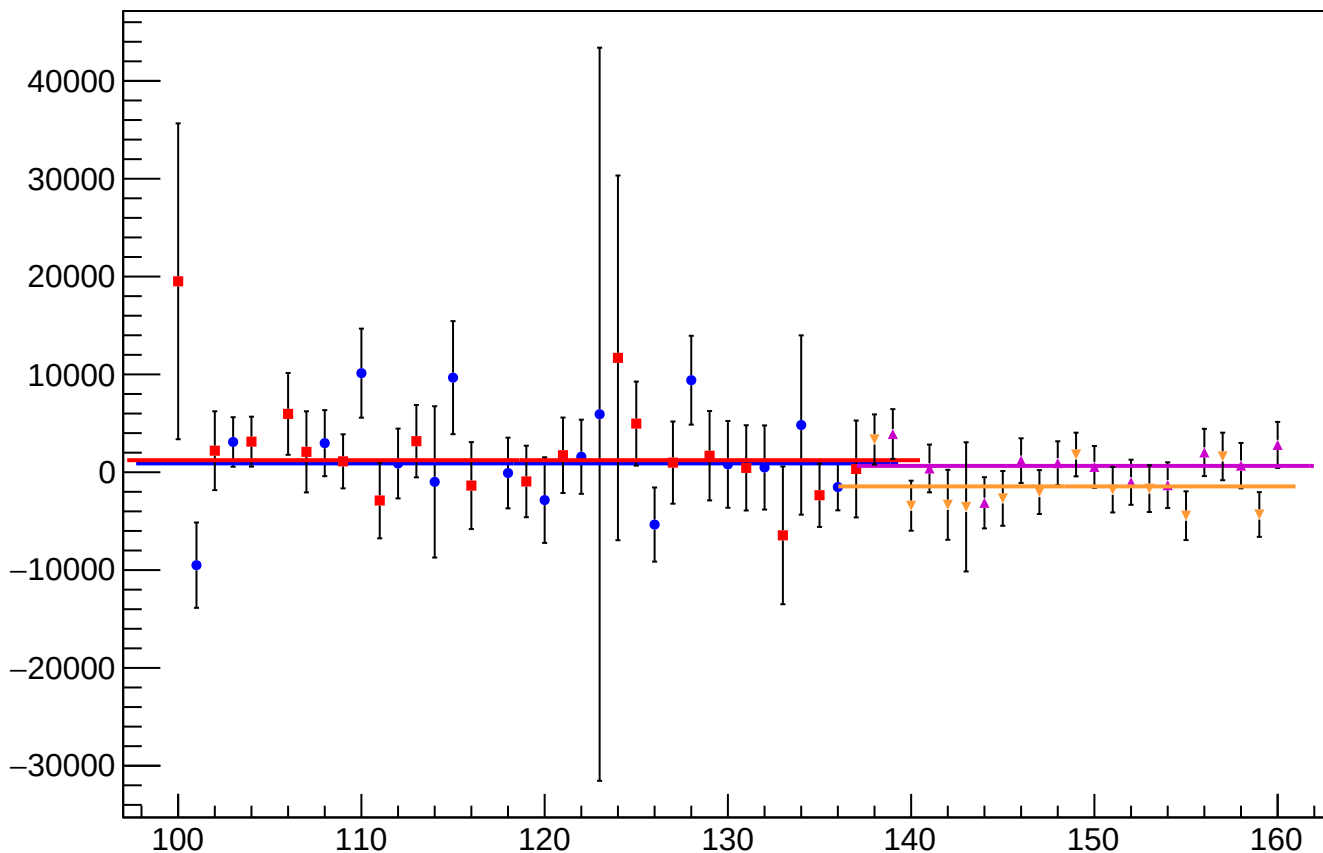
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3864.563+/-0.910 χ^2/NDF :59624.0/10

Out: 3958.986+/-0.948 χ^2/NDF :463295.1/11

All: 3909.849+/-0.656 χ^2/NDF : 528085.6/22

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -1447.129+/-742.037 χ^2/NDF : 11.5/11

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

Left In: 648.116+/-709.245 χ^2/NDF : 6.2/10

Left: -352.188+/-512.713 χ^2/NDF : 21.9/22

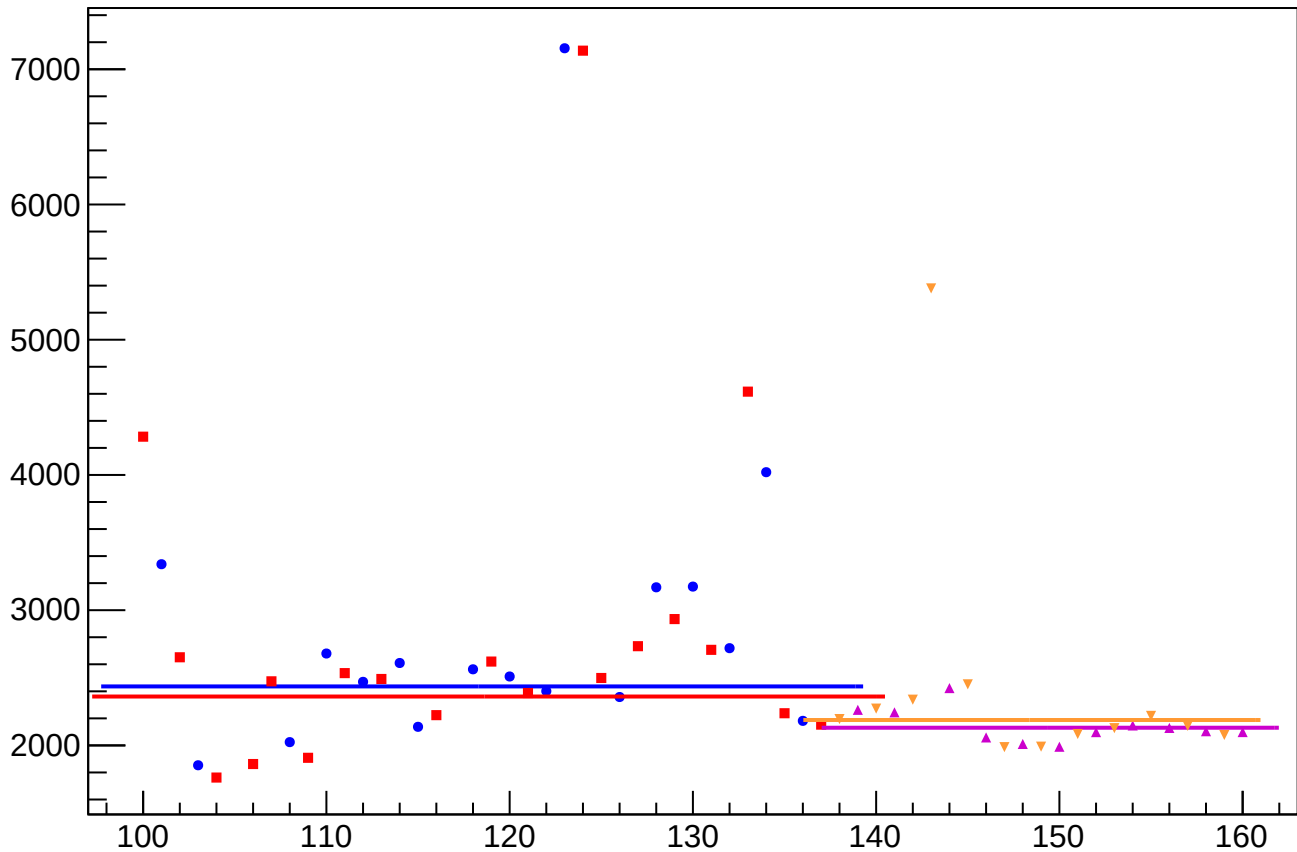
Right: 1073.549+/-666.754 χ^2/NDF : 30.6/35

In: 737.978+/-570.850 χ^2/NDF : 27.8/27

Out: -398.534+/-578.818 χ^2/NDF : 25.5/30

All: 177.599+/-406.440 χ^2/NDF : 55.3/58

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.256+/-0.680 χ^2/NDF : 468552.3/16

Left Out: 2187.821+/-0.525 χ^2/NDF : 533126.2/11

Right Out: 2361.558+/-0.654 χ^2/NDF : 655845.9/18

Left In: 2130.791+/-0.502 χ^2/NDF : 52332.8/10

Left: 2158.018+/-0.363 χ^2/NDF : 591632.7/22

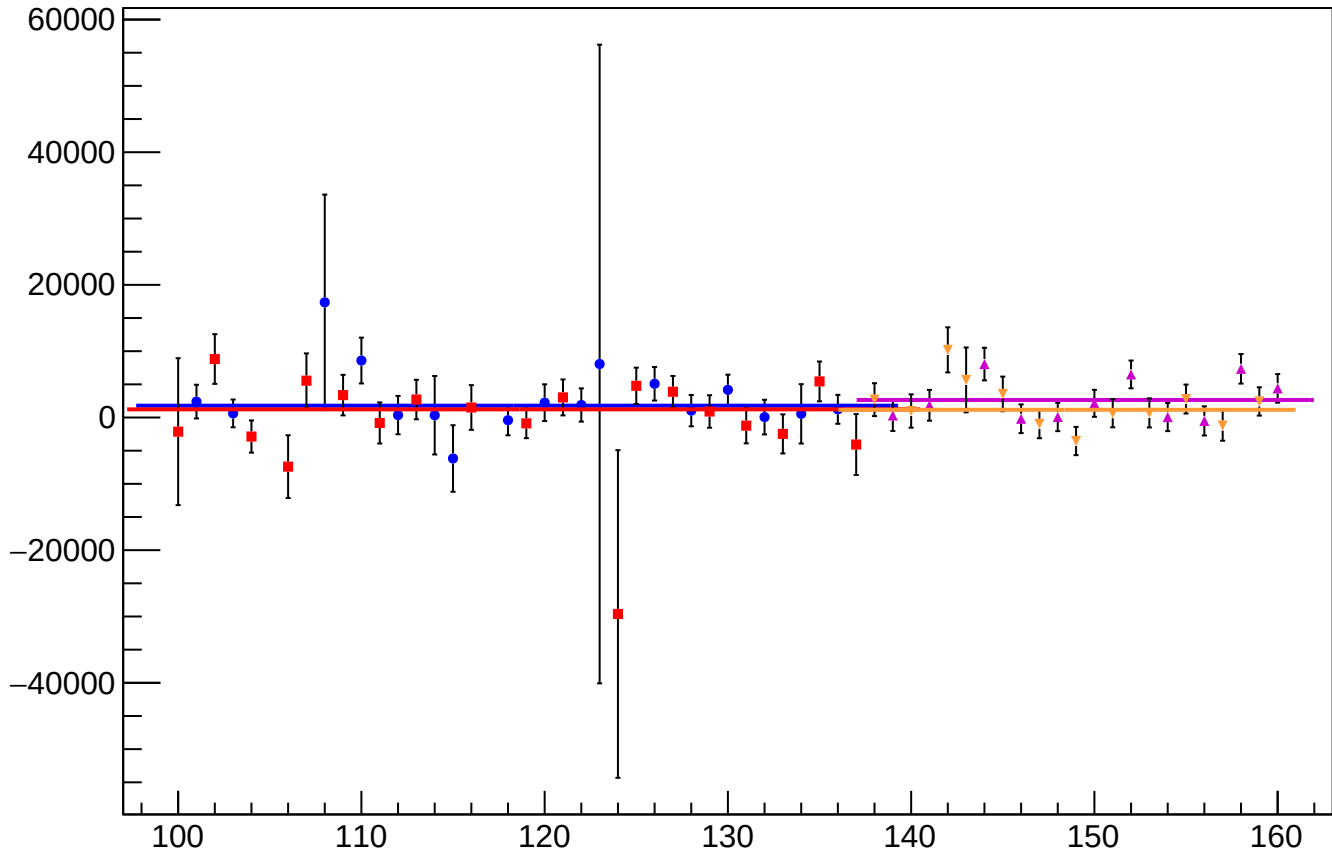
Right: 2397.448+/-0.471 χ^2/NDF : 1130664.2/35

In: 2238.371+/-0.404 χ^2/NDF : 651542.1/27

Out: 2255.846+/-0.409 χ^2/NDF : 1231900.3/30

All: 2246.987+/-0.287 χ^2/NDF : 1884366.6/58

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1783.505+/-694.403 χ^2/NDF : 12.4/16

Left Out: 1165.143+/-693.350 χ^2/NDF : 17.1/11

Right Out: 1229.293+/-708.144 χ^2/NDF : 24.2/18

Left In: 2645.489+/-661.437 χ^2/NDF : 21.2/10

Left: 1940.167+/-478.591 χ^2/NDF : 40.7/22

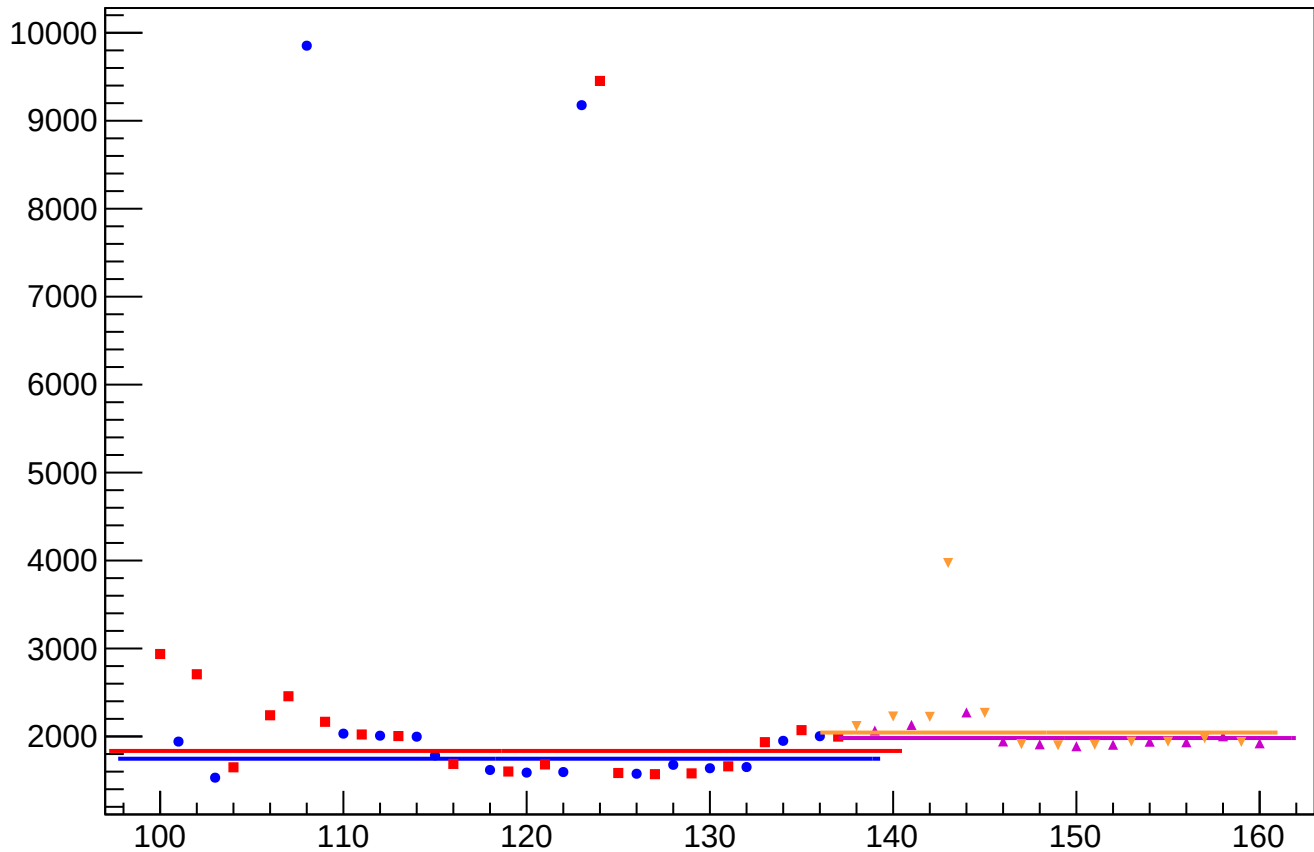
Right: 1511.828+/-495.804 χ^2/NDF : 37.0/35

In: 2235.443+/-478.937 χ^2/NDF : 34.4/27

Out: 1196.541+/-495.420 χ^2/NDF : 41.3/30

All: 1733.562+/-344.340 χ^2/NDF : 78.0/58

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1746.836 $\pm$ 0.491 χ^2 /NDF: 682484.5/16

Left Out: 2044.355 $\pm$ 0.490 χ^2 /NDF: 384041.2/11

Right Out: 1835.413 $\pm$ 0.500 χ^2 /NDF: 550402.9/18

Left In: 1982.041 $\pm$ 0.468 χ^2 /NDF: 52112.6/10

Left: 2011.731 $\pm$ 0.338 χ^2 /NDF: 444611.6/22

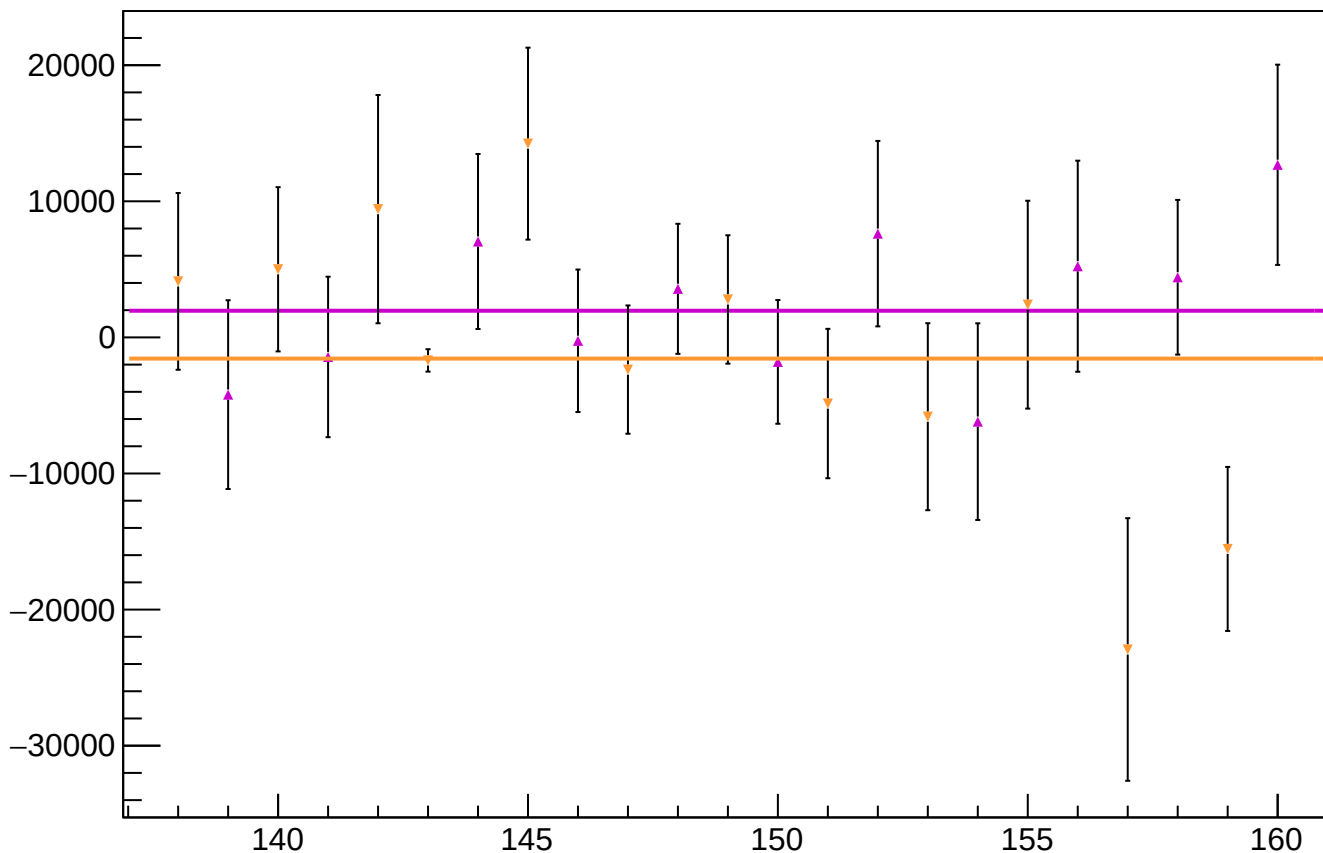
Right: 1790.310 $\pm$ 0.350 χ^2 /NDF: 1248859.1/35

In: 1870.154 $\pm$ 0.339 χ^2 /NDF: 854900.1/27

Out: 1941.964 $\pm$ 0.350 χ^2 /NDF: 1023448.6/30

All: 1904.866 $\pm$ 0.243 χ^2 /NDF: 1900082.7/58

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1556.514+/-754.434 χ^2/NDF :20.9/11

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

Left In: 1958.718+/-1798.281 χ^2/NDF :7.2/10

Left: -1030.411+/-695.691 χ^2/NDF : 31.3/22

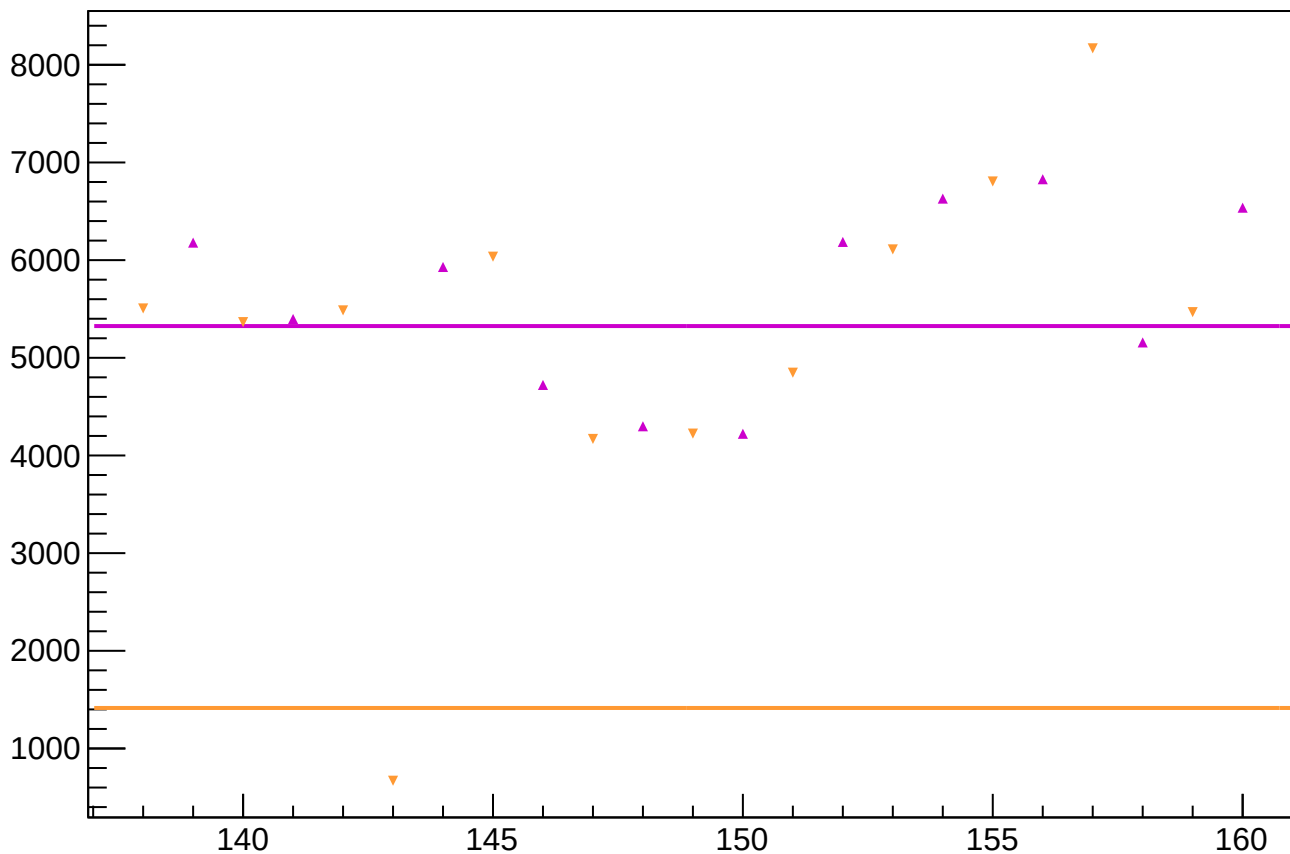
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1958.718+/-1798.281 χ^2/NDF :7.2/10

Out: -1556.514+/-754.434 χ^2/NDF :20.9/11

All: -1030.411+/-695.691 χ^2/NDF : 31.3/22

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1414.787+/-0.533 χ^2/NDF :10604264.3/11

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

Left In: 5325.030+/-1.272 χ^2/NDF :513304.0/10

Left: 2000.010+/-0.492 χ^2/NDF : 19158618.4/22

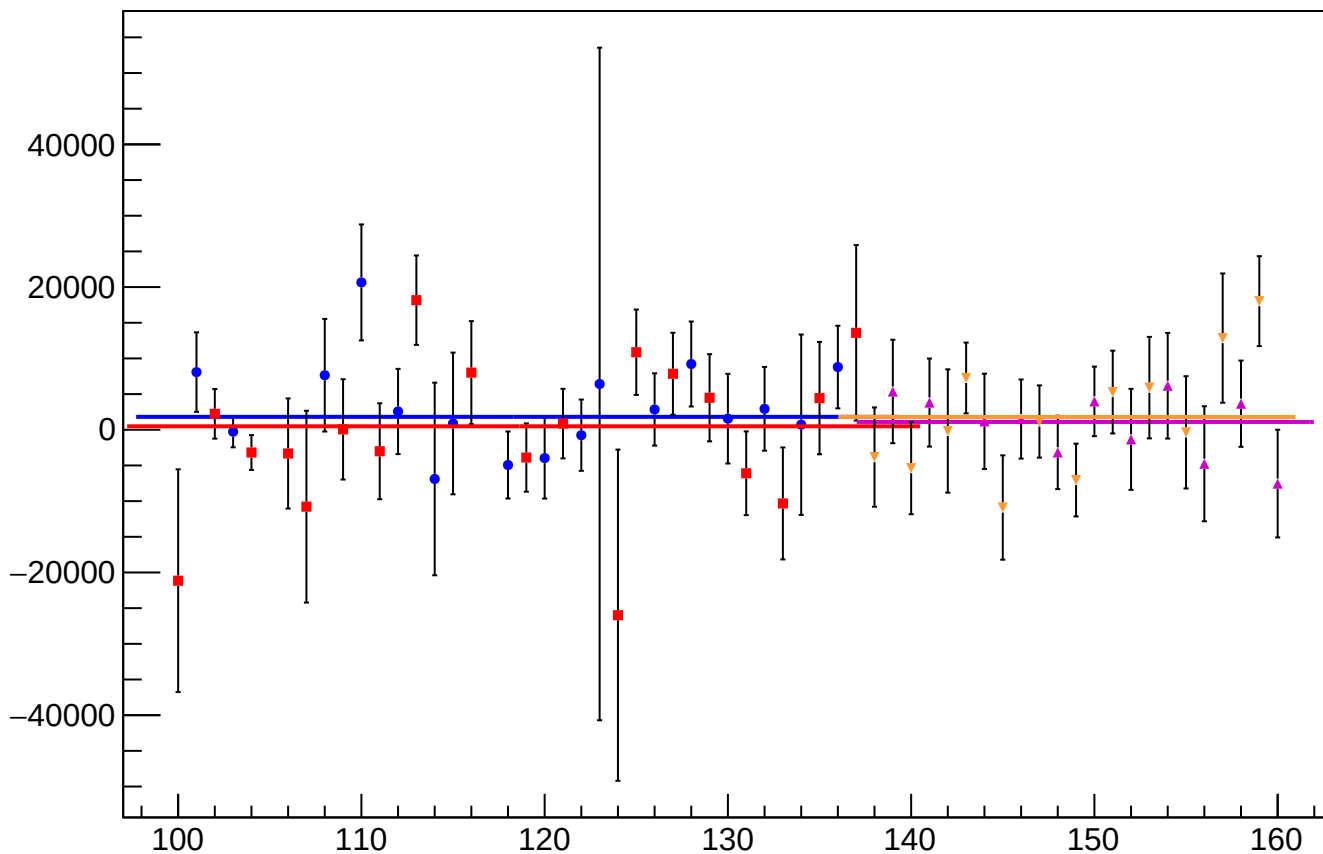
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5325.030+/-1.272 χ^2/NDF :513304.0/10

Out: 1414.787+/-0.533 χ^2/NDF :10604264.3/11

All: 2000.010+/-0.492 χ^2/NDF : 19158618.4/22

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1793.805+/-1832.174 χ^2/NDF : 18.1/11

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

Left In: 1097.093+/-1894.579 χ^2/NDF : 4.2/10

Left: 1457.112+/-1317.052 χ^2/NDF : 22.3/22

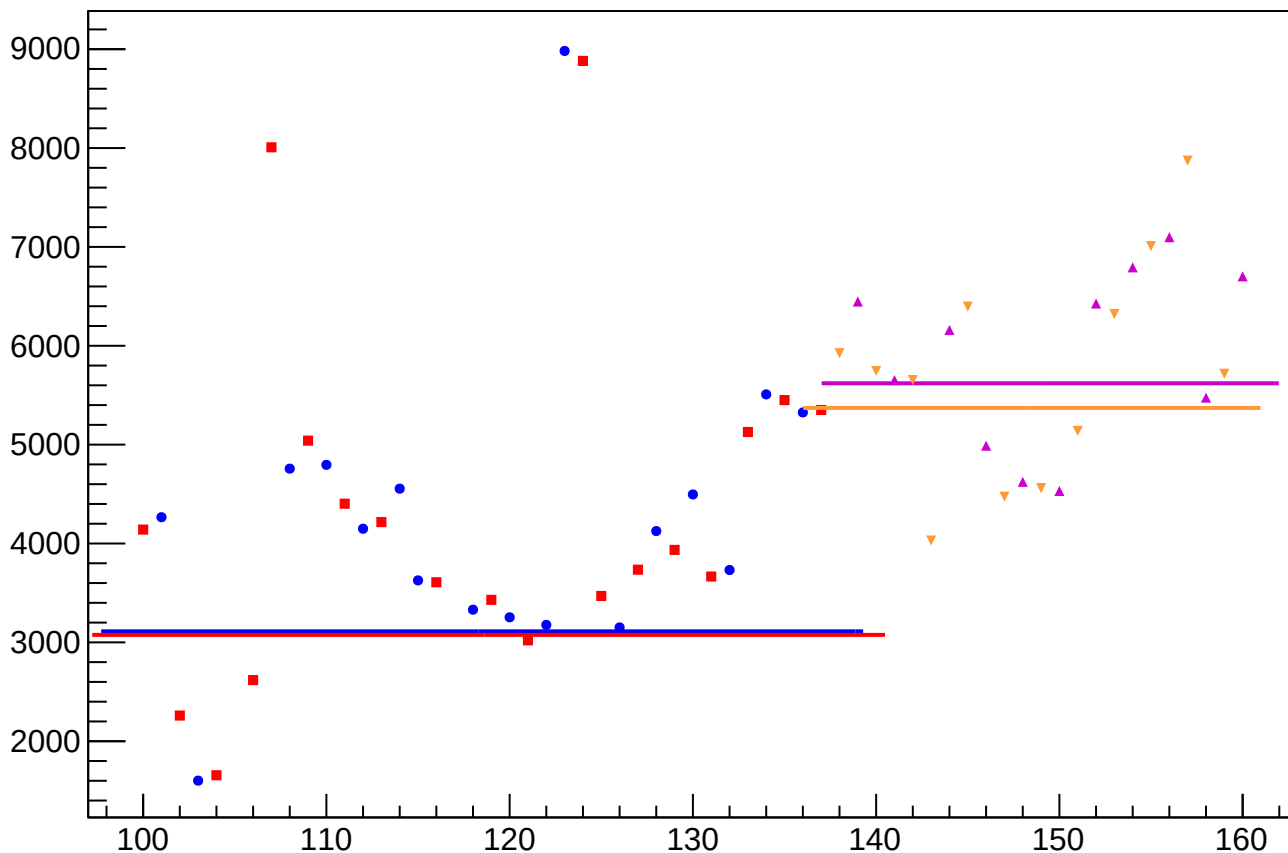
Right: 1143.505+/-914.731 χ^2/NDF : 42.0/35

In: 1584.377+/-1072.656 χ^2/NDF : 19.3/27

Out: 919.262+/-1052.633 χ^2/NDF : 44.9/30

All: 1245.554+/-751.303 χ^2/NDF : 64.4/58

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.560+/-0.920 χ^2/NDF : 1878991.5/16

Left Out: 5371.493+/-1.296 χ^2/NDF : 604642.5/11

Right Out: 3075.800+/-0.896 χ^2/NDF : 2009557.4/18

Left In: 5620.707+/-1.340 χ^2/NDF : 425325.3/10

Left: 5491.928+/-0.931 χ^2/NDF : 1047850.1/22

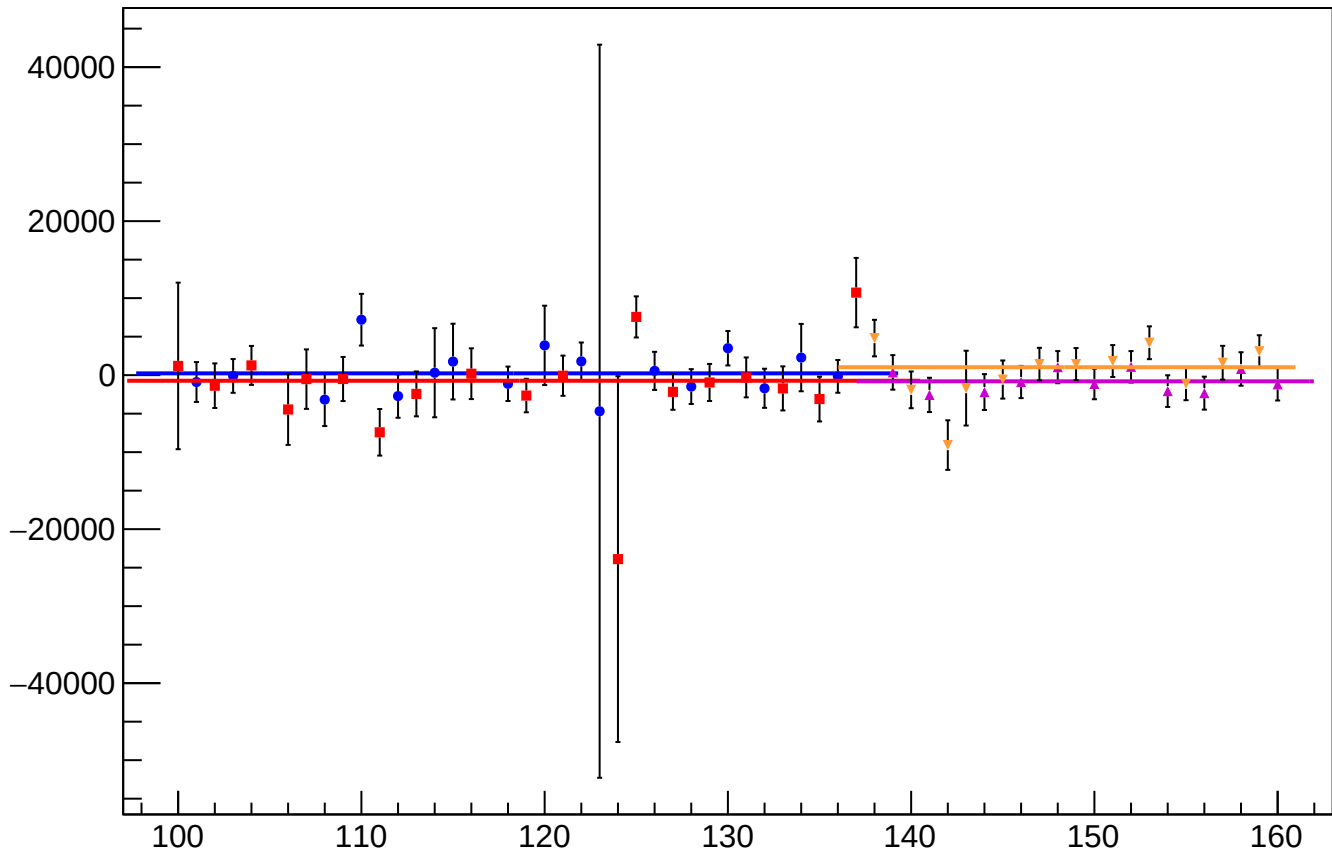
Right: 3093.209+/-0.642 χ^2/NDF : 3889323.9/35

In: 3915.860+/-0.758 χ^2/NDF : 4687821.6/27

Out: 3818.836+/-0.737 χ^2/NDF : 4737863.0/30

All: 3865.958+/-0.529 χ^2/NDF : 9434100.6/58

dit_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 1029.821 $\pm$ 670.730 χ^2/NDF : 19.2/11

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

Left In: -801.616 $\pm$ 641.432 χ^2/NDF : 4.4/10

Left: 73.230 $\pm$ 463.573 χ^2/NDF : 27.5/22

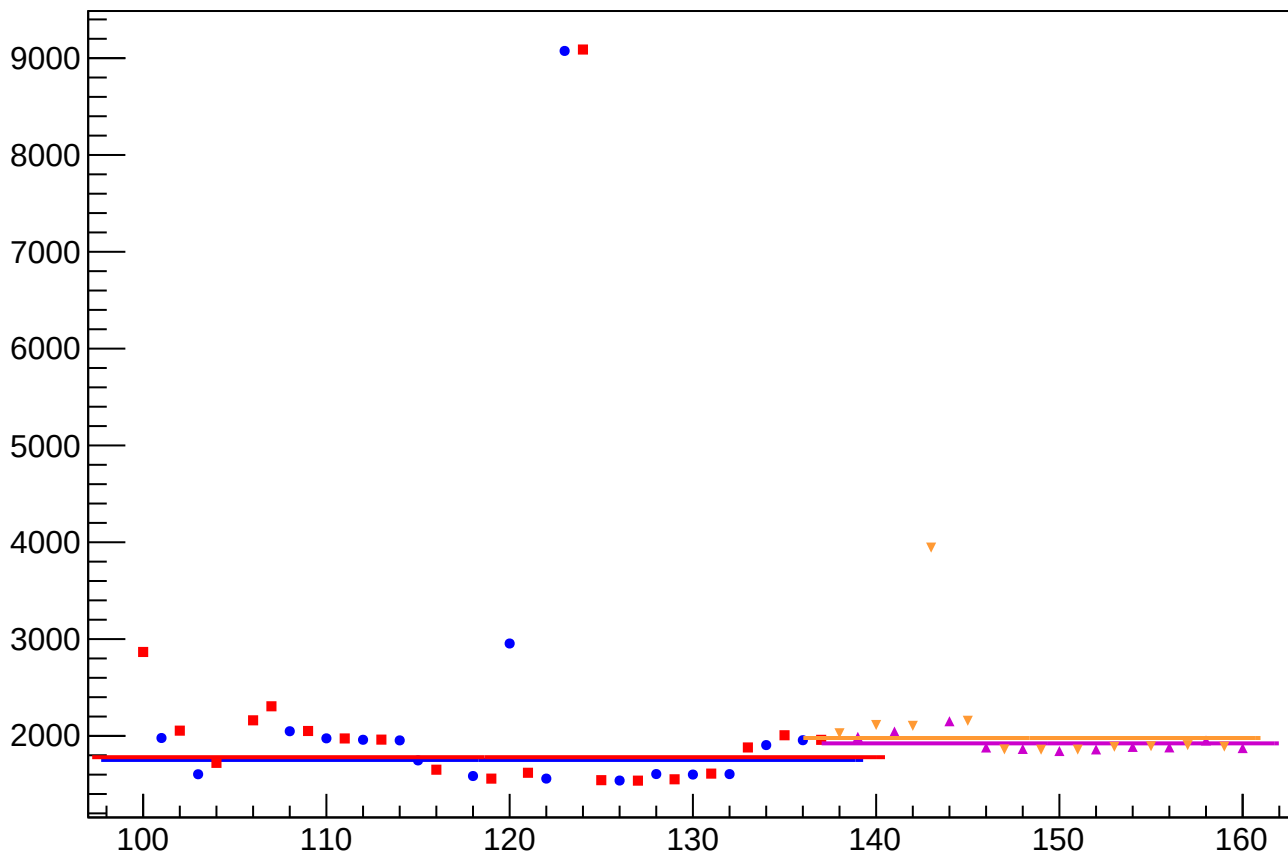
Right: -248.748 $\pm$ 484.705 χ^2/NDF : 38.3/35

In: -319.911 $\pm$ 468.775 χ^2/NDF : 17.1/27

Out: 169.249 $\pm$ 478.961 χ^2/NDF : 48.4/30

All: -80.587 $\pm$ 335.017 χ^2/NDF : 66.0/58

dit_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1978.429+/-0.474 χ^2/NDF : 380796.1/11

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

Left In: 1923.027+/-0.454 χ^2/NDF : 37320.9/10

Left: 1949.491+/-0.328 χ^2/NDF : 425244.3/22

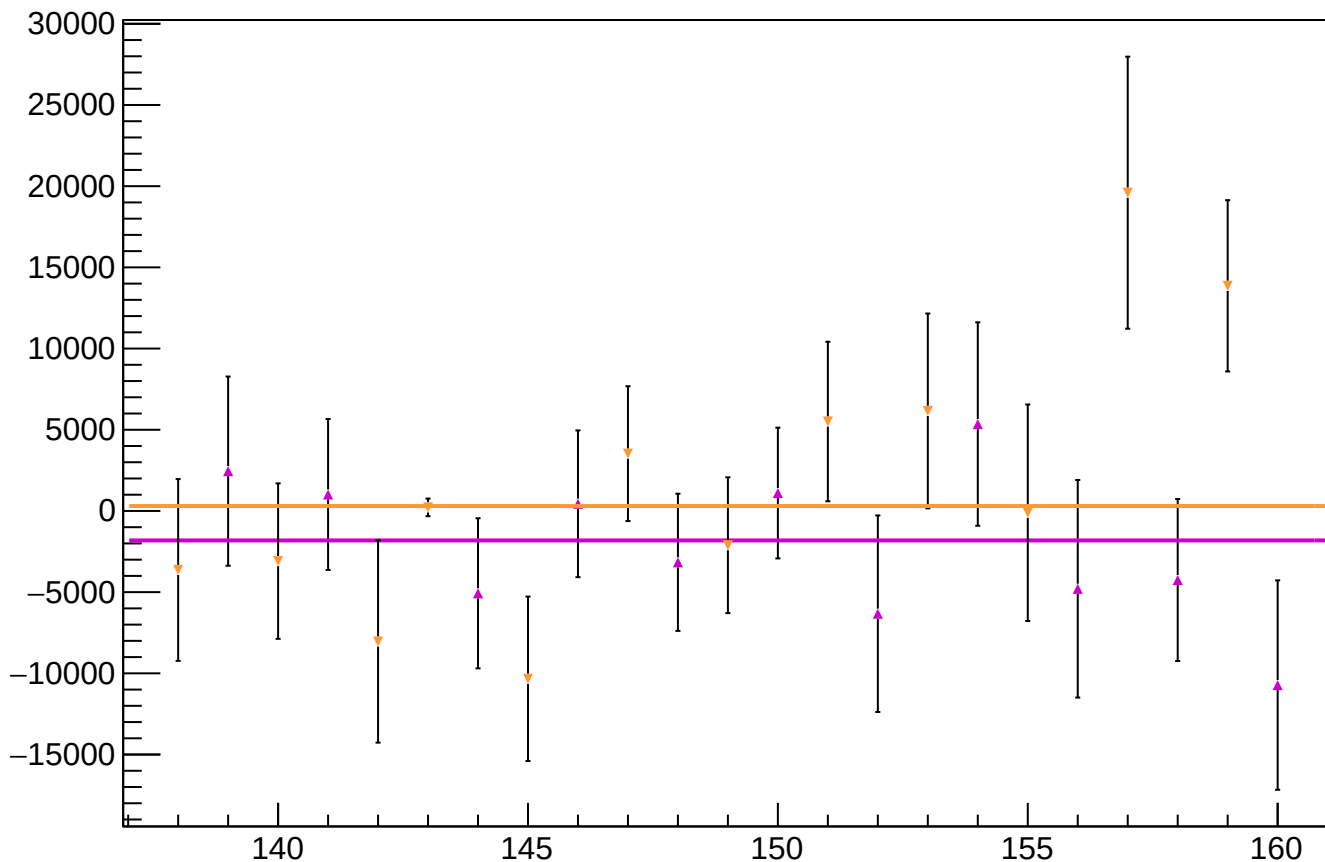
Right: 1766.106+/-0.342 χ^2/NDF : 730940.0/35

In: 1843.277+/-0.331 χ^2/NDF : 404578.7/27

Out: 1881.128+/-0.338 χ^2/NDF : 894866.2/30

All: 1861.810+/-0.237 χ^2/NDF : 1305829.8/58

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 302.218+/-513.670 χ^2/NDF :22.2/11

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

Left In: -1814.777+/-1527.557 χ^2/NDF :6.5/10

Left: 87.154+/-486.880 χ^2/NDF : 30.4/22

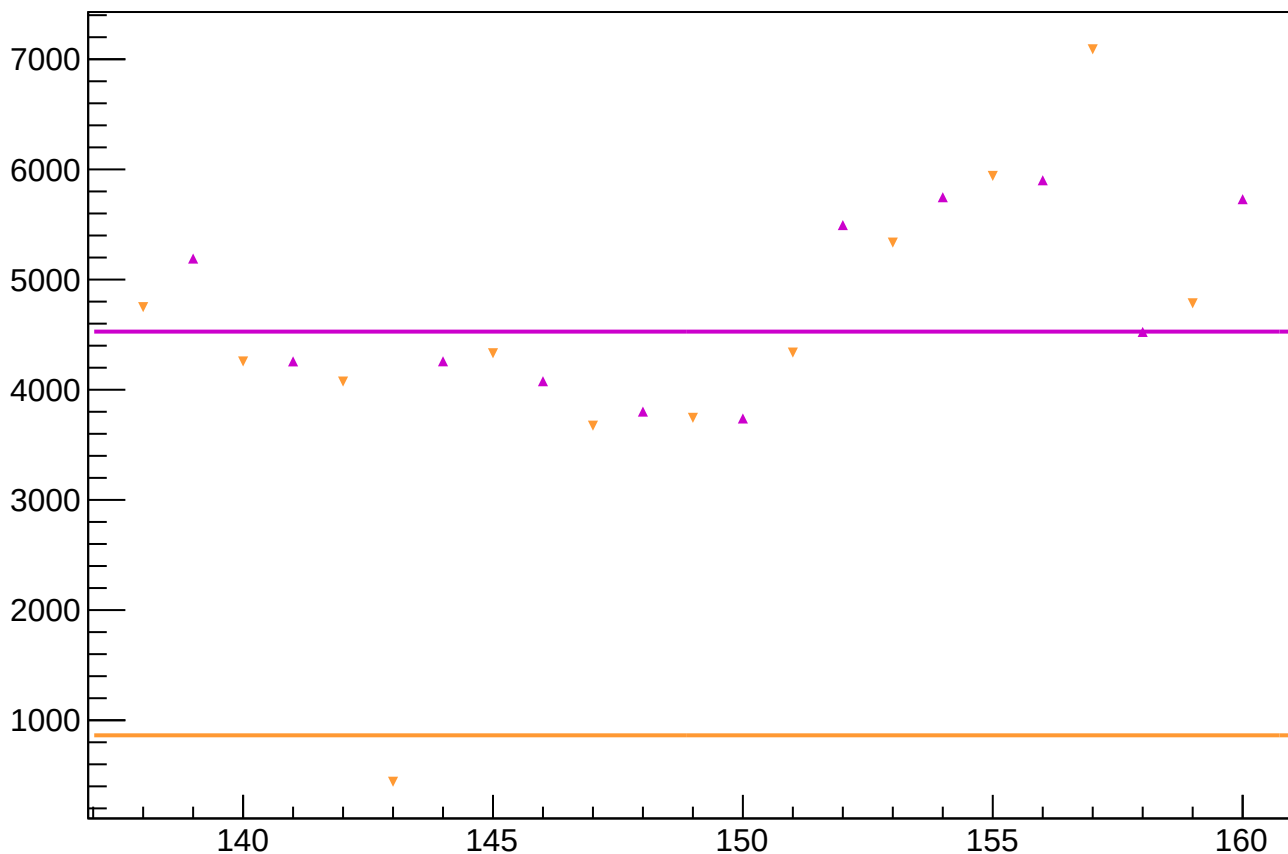
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1814.777+/-1527.557 χ^2/NDF :6.5/10

Out: 302.218+/-513.670 χ^2/NDF :22.2/11

All: 87.154+/-486.880 χ^2/NDF : 30.4/22

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 863.231+/-0.363 χ^2/NDF :11992606.9/11

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

Left In: 4527.691+/-1.080 χ^2/NDF :475599.5/10

Left: 1235.502+/-0.344 χ^2/NDF : 22808433.1/22

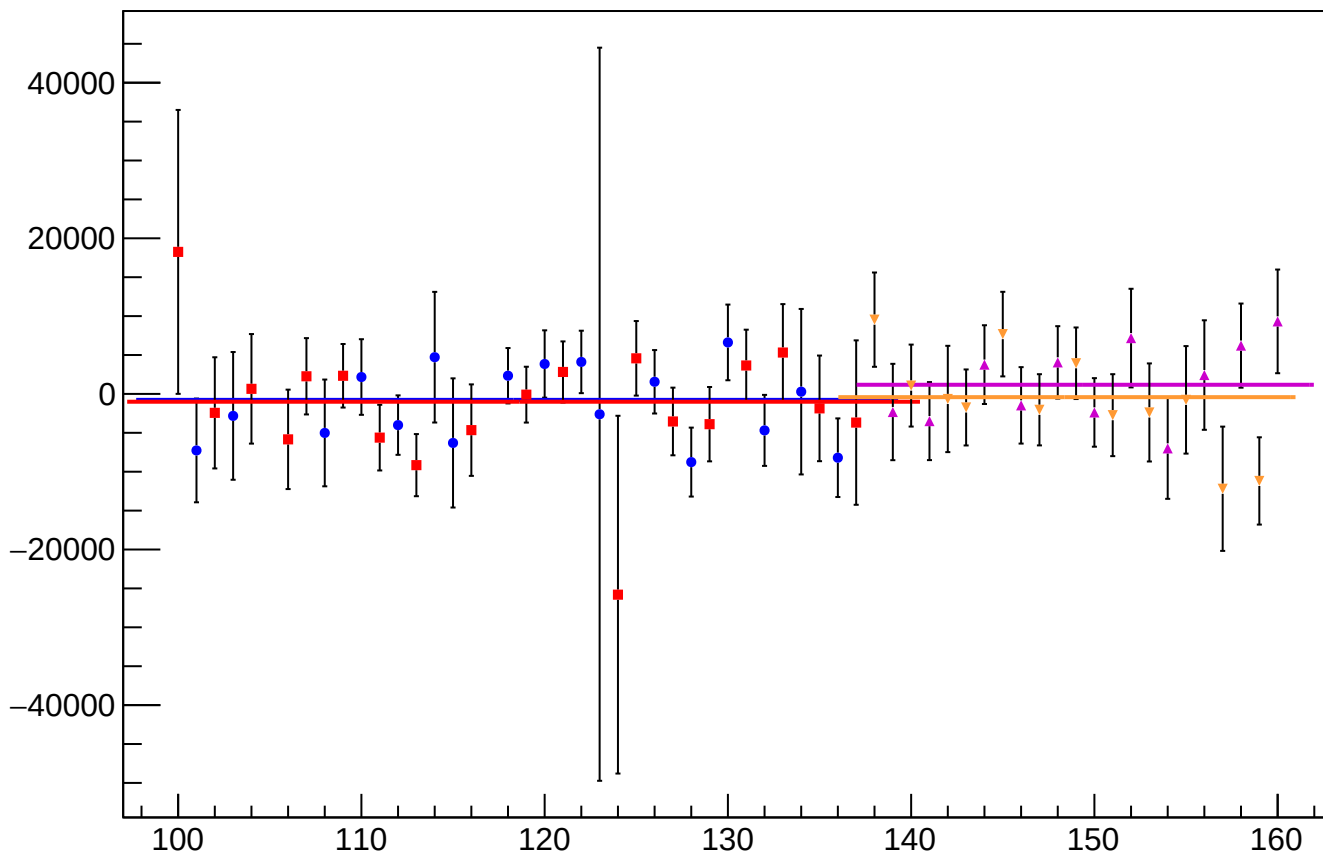
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4527.691+/-1.080 χ^2/NDF :475599.5/10

Out: 863.231+/-0.363 χ^2/NDF :11992606.9/11

All: 1235.502+/-0.344 χ^2/NDF : 22808433.1/22

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: -416.867+/-1611.424 χ^2/NDF : 12.3/11

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

Left In: 1175.230+/-1644.798 χ^2/NDF : 7.7/10

Left: 362.865+/-1151.067 χ^2/NDF : 20.4/22

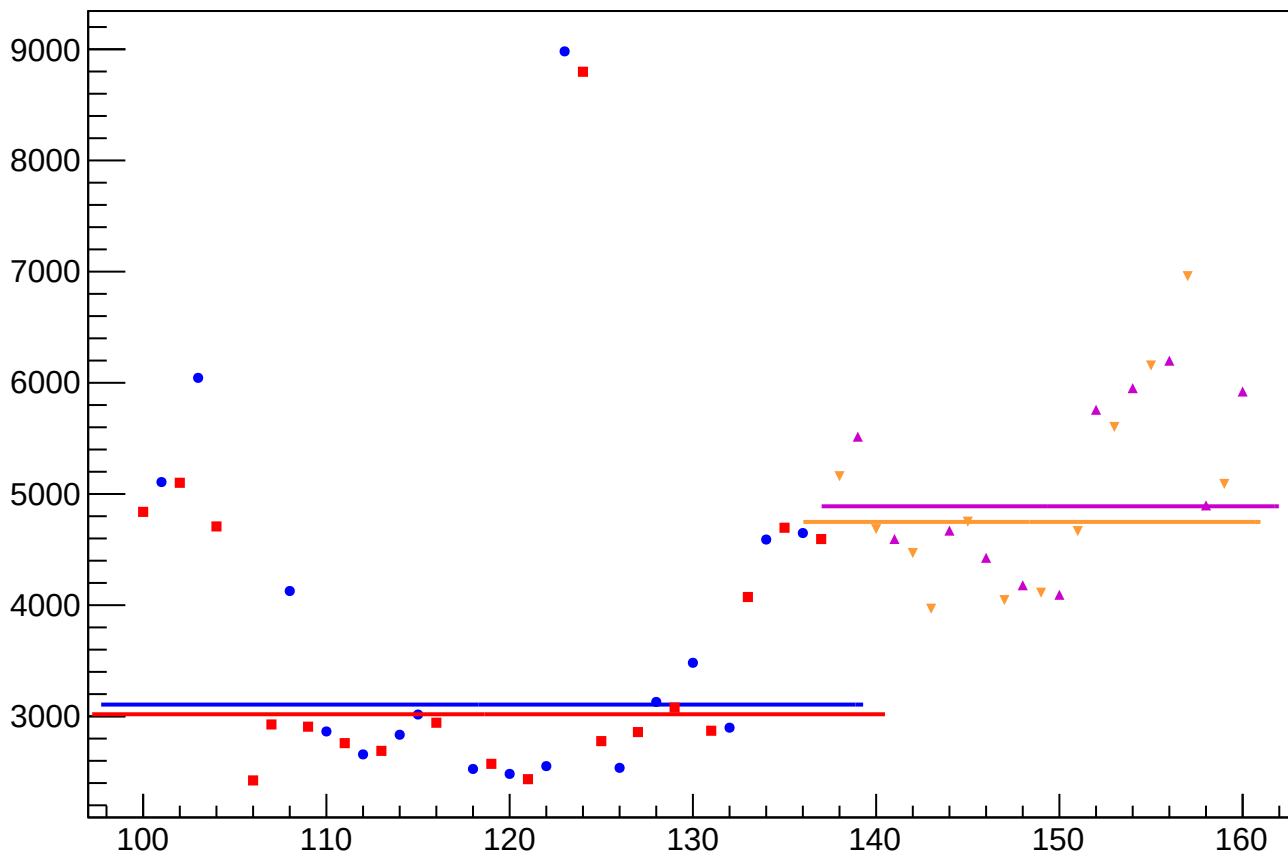
Right: -890.508+/-861.557 χ^2/NDF : 30.6/35

In: -56.388+/-994.056 χ^2/NDF : 24.1/27

Out: -797.063+/-957.849 χ^2/NDF : 27.4/30

All: -440.460+/-689.747 χ^2/NDF : 51.7/58

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3105.849 $\pm$ 0.882 χ^2/NDF : 959826.4/16

Left Out: 4748.756 $\pm$ 1.139 χ^2/NDF : 430218.0/11

Right Out: 3018.781 $\pm$ 0.832 χ^2/NDF : 794275.0/18

Left In: 4889.322 $\pm$ 1.163 χ^2/NDF : 369164.9/10

Left: 4817.599 $\pm$ 0.814 χ^2/NDF : 806836.1/22

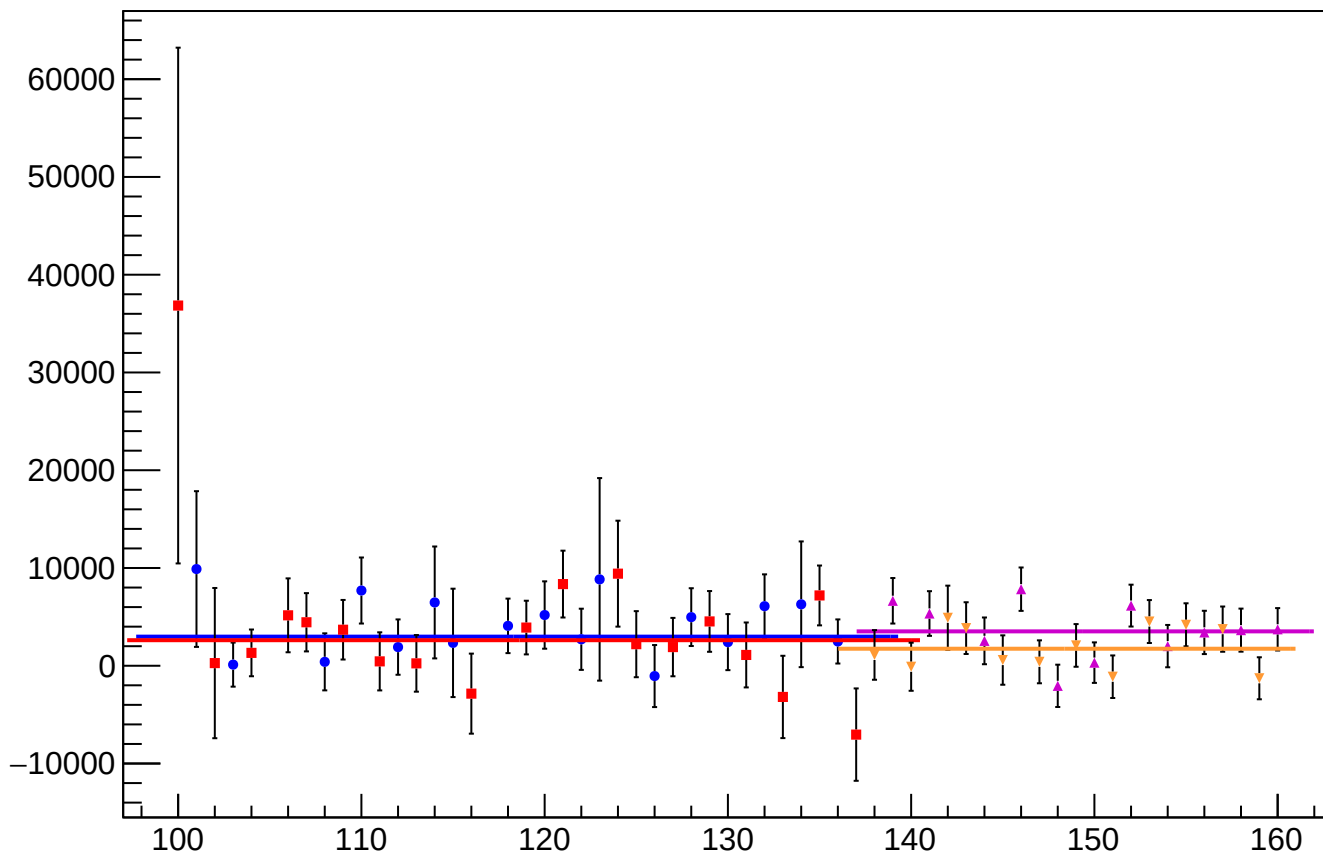
Right: 3059.752 $\pm$ 0.605 χ^2/NDF : 1759257.8/35

In: 3757.269 $\pm$ 0.703 χ^2/NDF : 2821573.4/27

Out: 3620.154 $\pm$ 0.672 χ^2/NDF : 2728296.6/30

All: 3685.612 $\pm$ 0.486 χ^2/NDF : 5569756.2/58

dit_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1741.807+/-680.712 χ^2/NDF :10.1/11

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

Left In: 3517.401+/-665.987 χ^2/NDF :17.4/10

Left: 2649.017+/-476.044 χ^2/NDF : 31.0/22

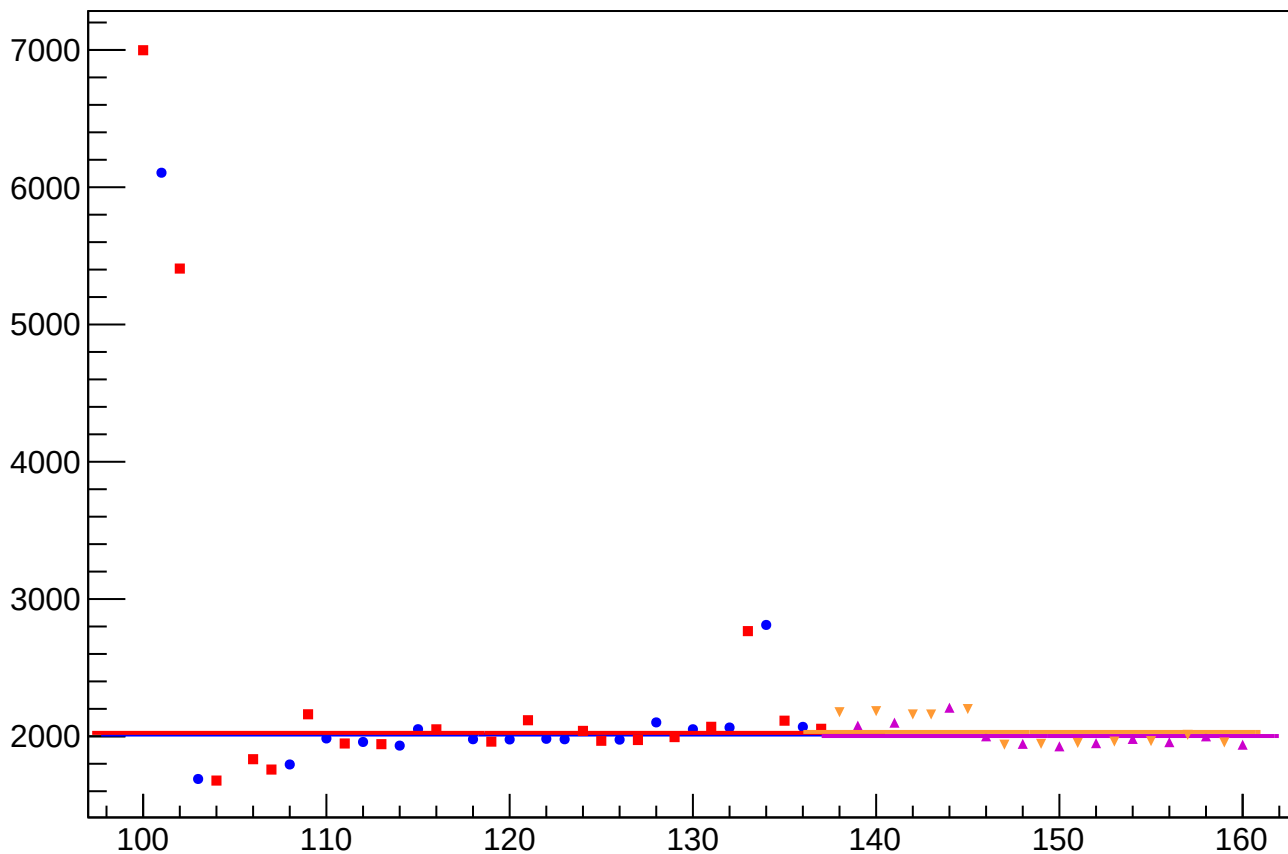
Right: 2793.353+/-558.079 χ^2/NDF : 29.6/35

In: 3295.278+/-510.628 χ^2/NDF :27.5/27

Out: 2117.073+/-513.784 χ^2/NDF :30.4/30

All: 2709.806+/-362.179 χ^2/NDF : 60.6/58

dit_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 2031.801 $\pm$ 0.481 χ^2 /NDF:46359.7/11

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

Left In: 2002.089 $\pm$ 0.471 χ^2 /NDF:28520.6/10

Left: 2016.620 $\pm$ 0.337 χ^2 /NDF: 76827.2/22

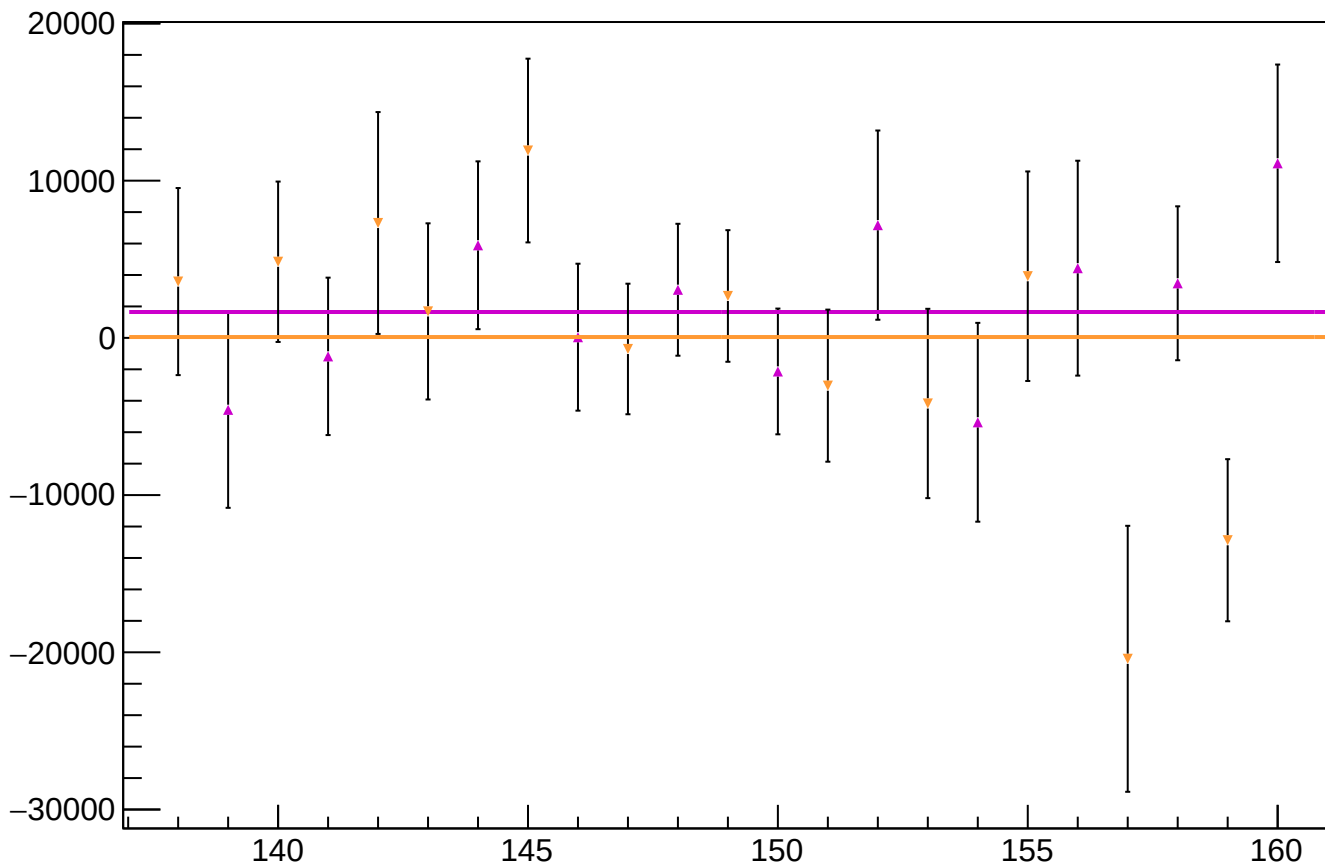
Right: 2019.103 $\pm$ 0.395 χ^2 /NDF: 1215366.0/35

In: 2006.563 $\pm$ 0.361 χ^2 /NDF:646447.0/27

Out: 2028.904 $\pm$ 0.363 χ^2 /NDF:643866.4/30

All: 2017.666 $\pm$ 0.256 χ^2 /NDF: 1292216.1/58

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 53.245+/-1566.711 χ^2/NDF :20.3/11

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

Left In: 1645.835+/-1567.642 χ^2/NDF :7.7/10

Left: 849.067+/-1108.161 χ^2/NDF : 28.5/22

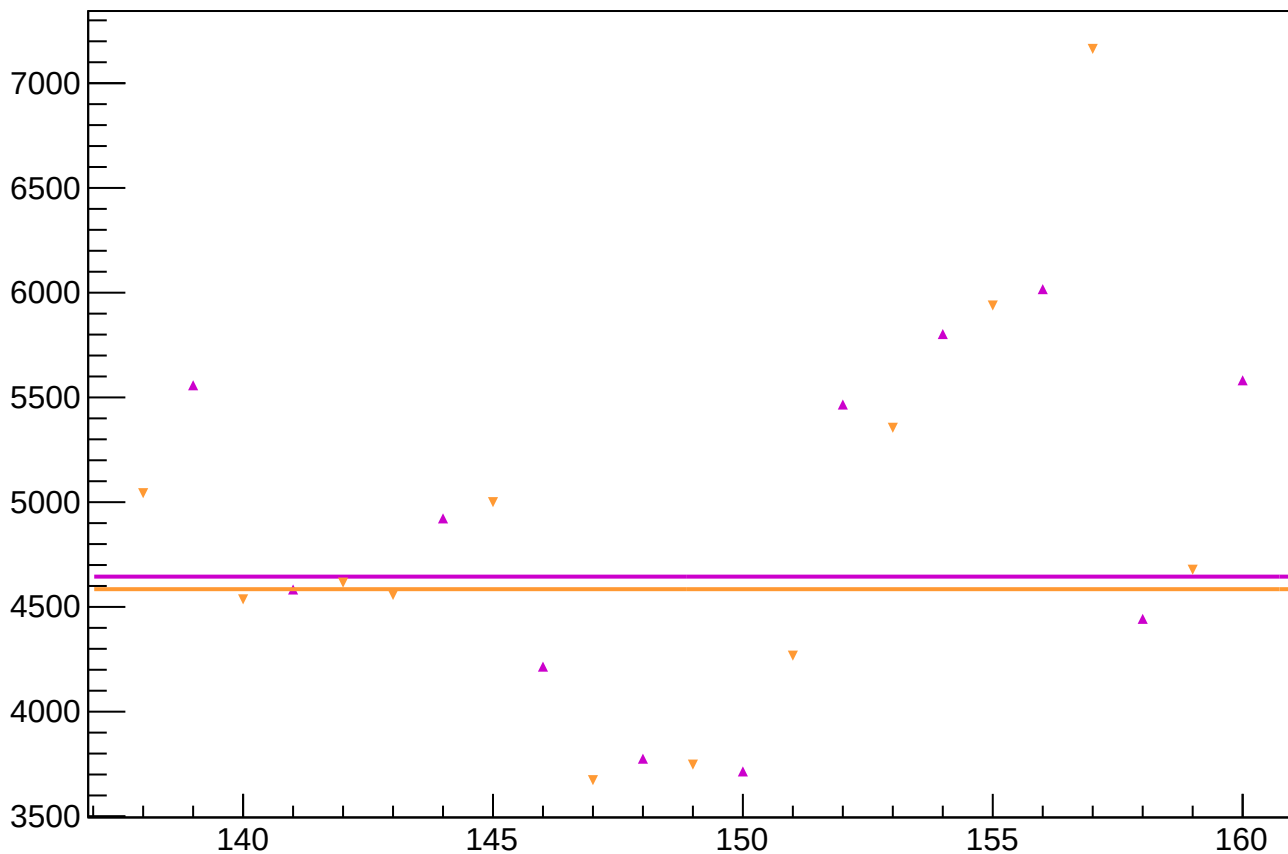
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1645.835+/-1567.642 χ^2/NDF :7.7/10

Out: 53.245+/-1566.711 χ^2/NDF :20.3/11

All: 849.067+/-1108.161 χ^2/NDF : 28.5/22

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4584.686+/-1.108 χ^2/NDF : 509157.9/11

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

Left In: 4644.618+/-1.108 χ^2/NDF : 492346.5/10

Left: 4614.634+/-0.784 χ^2/NDF : 1002966.8/22

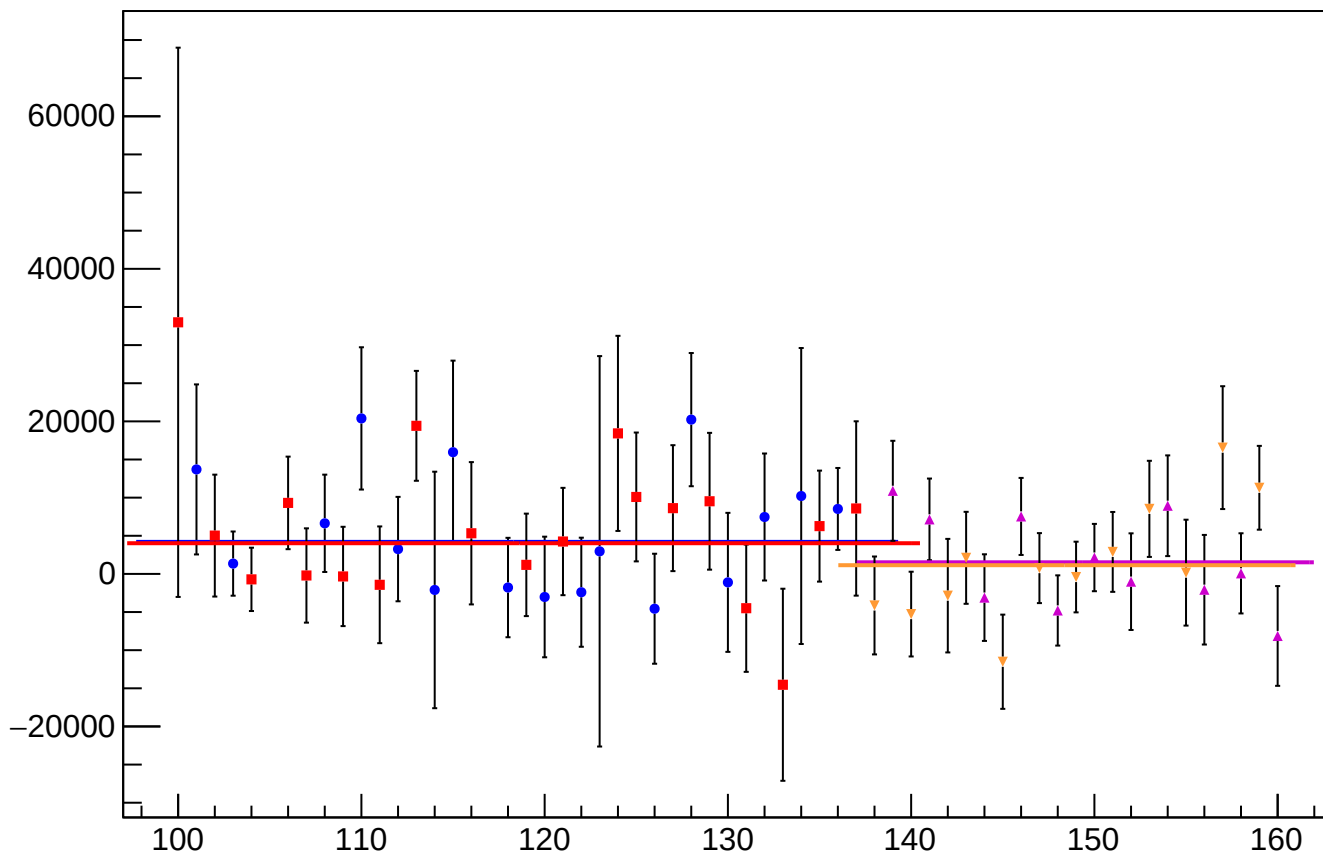
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4644.618+/-1.108 χ^2/NDF : 492346.5/10

Out: 4584.686+/-1.108 χ^2/NDF : 509157.9/11

All: 4614.634+/-0.784 χ^2/NDF : 1002966.8/22

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4198.770 $\pm$ 1857.803 χ^2/NDF : 14.1/16

Left Out: 1141.663 $\pm$ 1682.055 χ^2/NDF : 15.2/11

Right Out: 4023.682 $\pm$ 1725.187 χ^2/NDF : 14.8/18

Left In: 1521.365 $\pm$ 1681.557 χ^2/NDF : 11.1/10

Left: 1331.570 $\pm$ 1189.216 χ^2/NDF : 26.3/22

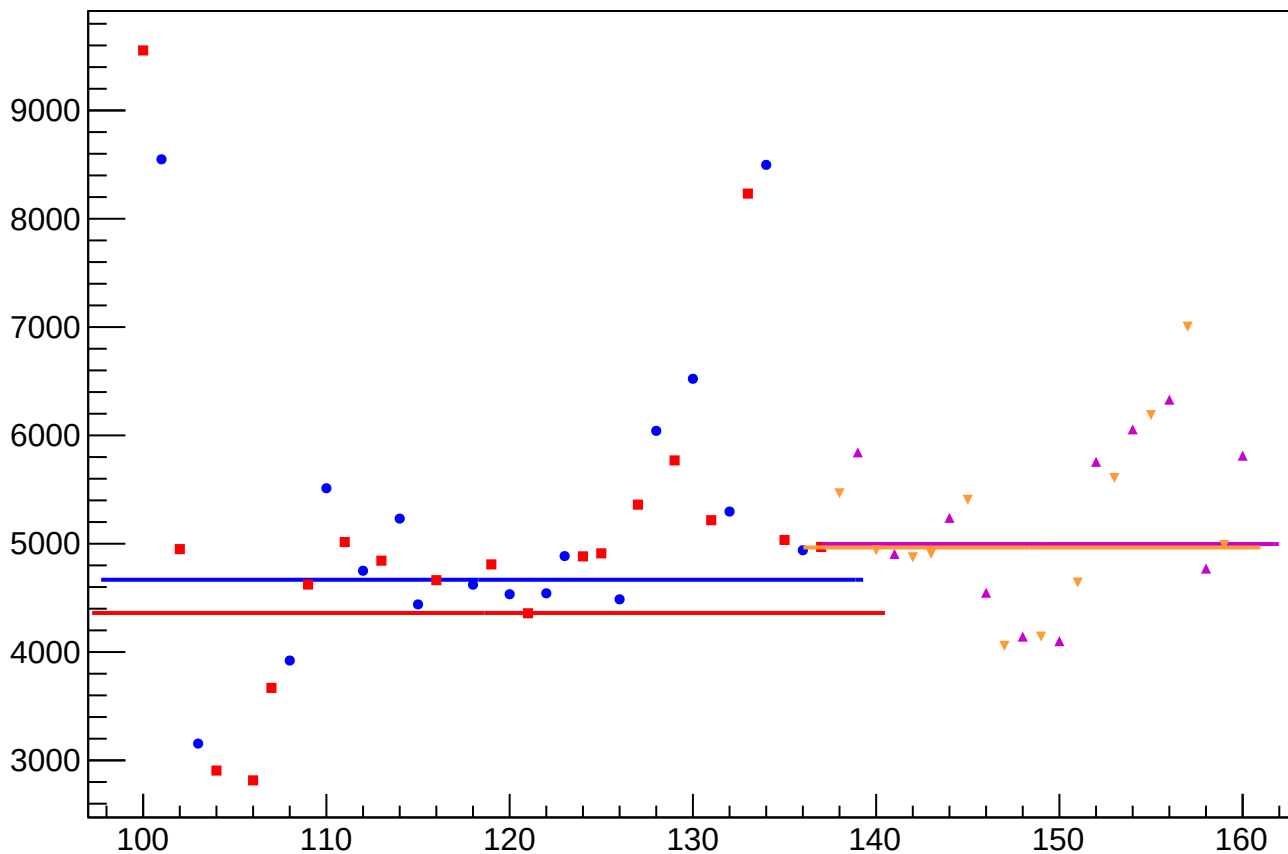
Right: 4104.755 $\pm$ 1264.177 χ^2/NDF : 29.0/35

In: 2727.074 $\pm$ 1246.705 χ^2/NDF : 26.3/27

Out: 2546.194 $\pm$ 1204.352 χ^2/NDF : 31.5/30

All: 2633.509 $\pm$ 866.192 χ^2/NDF : 57.8/58

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 4965.223 $\pm$ 1.189 χ^2/NDF : 383044.6/11

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

Left In: 4997.021 $\pm$ 1.189 χ^2/NDF : 388518.1/10

Left: 4981.127 $\pm$ 0.841 χ^2/NDF : 771920.2/22

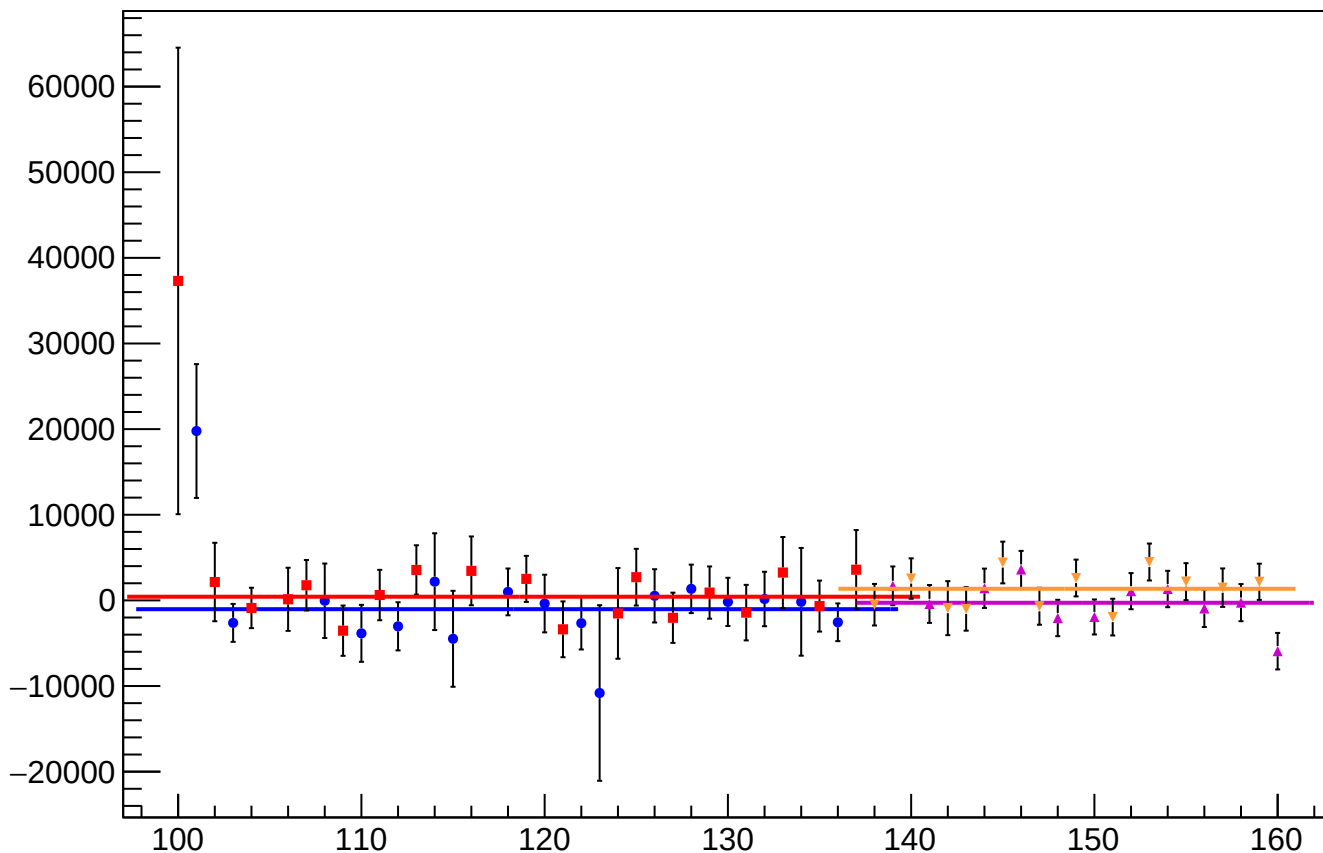
Right: 4501.800 $\pm$ 0.891 χ^2/NDF : 1640064.7/35

In: 4848.615 $\pm$ 0.882 χ^2/NDF : 1200968.3/27

Out: 4668.806 $\pm$ 0.849 χ^2/NDF : 1342482.4/30

All: 4755.350 $\pm$ 0.612 χ^2/NDF : 2565029.8/58

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1027.051+/-796.597 χ^2/NDF : 13.1/16

Left Out: 1356.304+/-663.280 χ^2/NDF : 9.8/11

Right Out: 428.488+/-760.817 χ^2/NDF : 10.8/18

Left In: -278.700+/-651.620 χ^2/NDF : 14.0/10

Left: 524.305+/-464.832 χ^2/NDF : 26.9/22

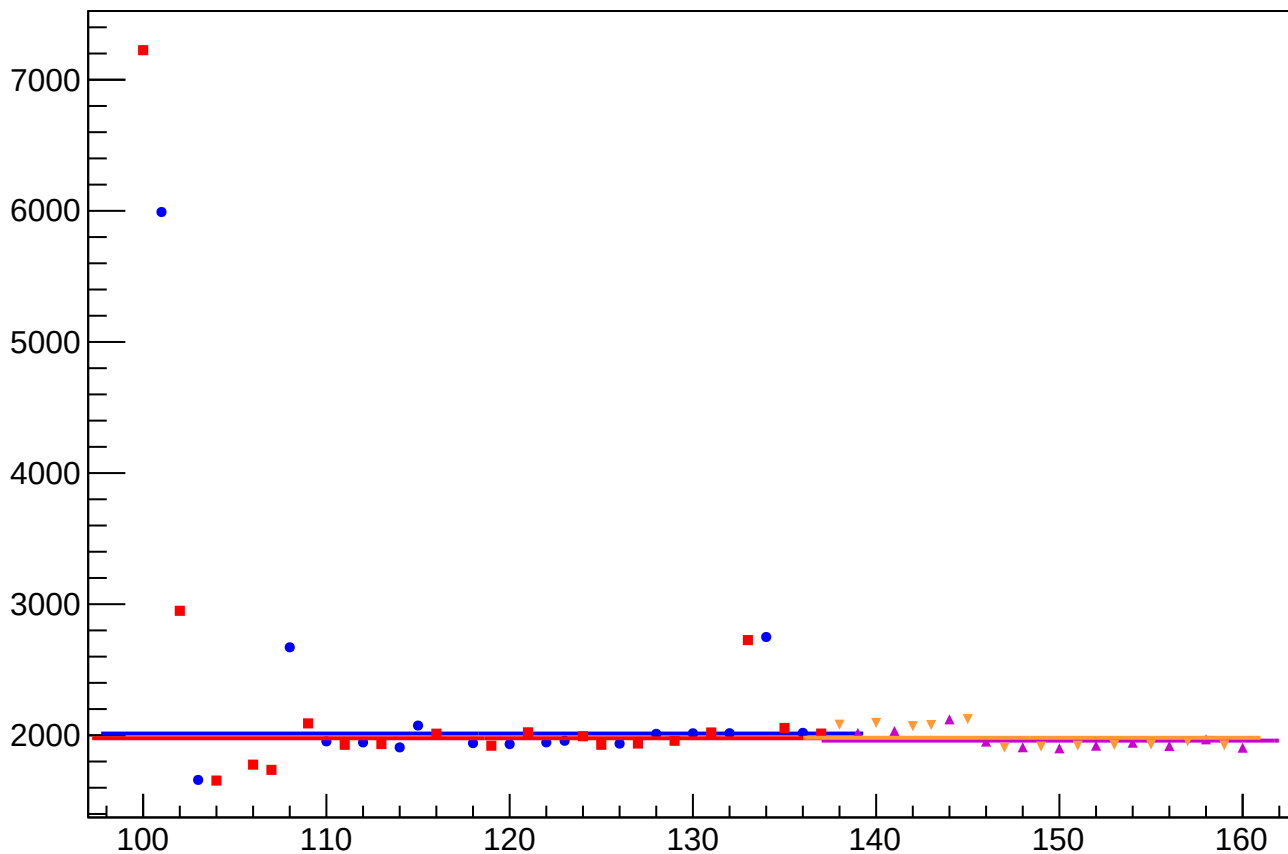
Right: -265.860+/-550.193 χ^2/NDF : 25.6/35

In: -578.704+/-504.370 χ^2/NDF : 27.6/27

Out: 955.646+/-499.961 χ^2/NDF : 21.4/30

All: 195.206+/-355.074 χ^2/NDF : 53.7/58

dit_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1981.135+/-0.469 χ^2/NDF : 29410.8/11

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

Left In: 1959.506+/-0.461 χ^2/NDF : 19200.6/10

Left: 1970.129+/-0.329 χ^2/NDF : 49693.7/22

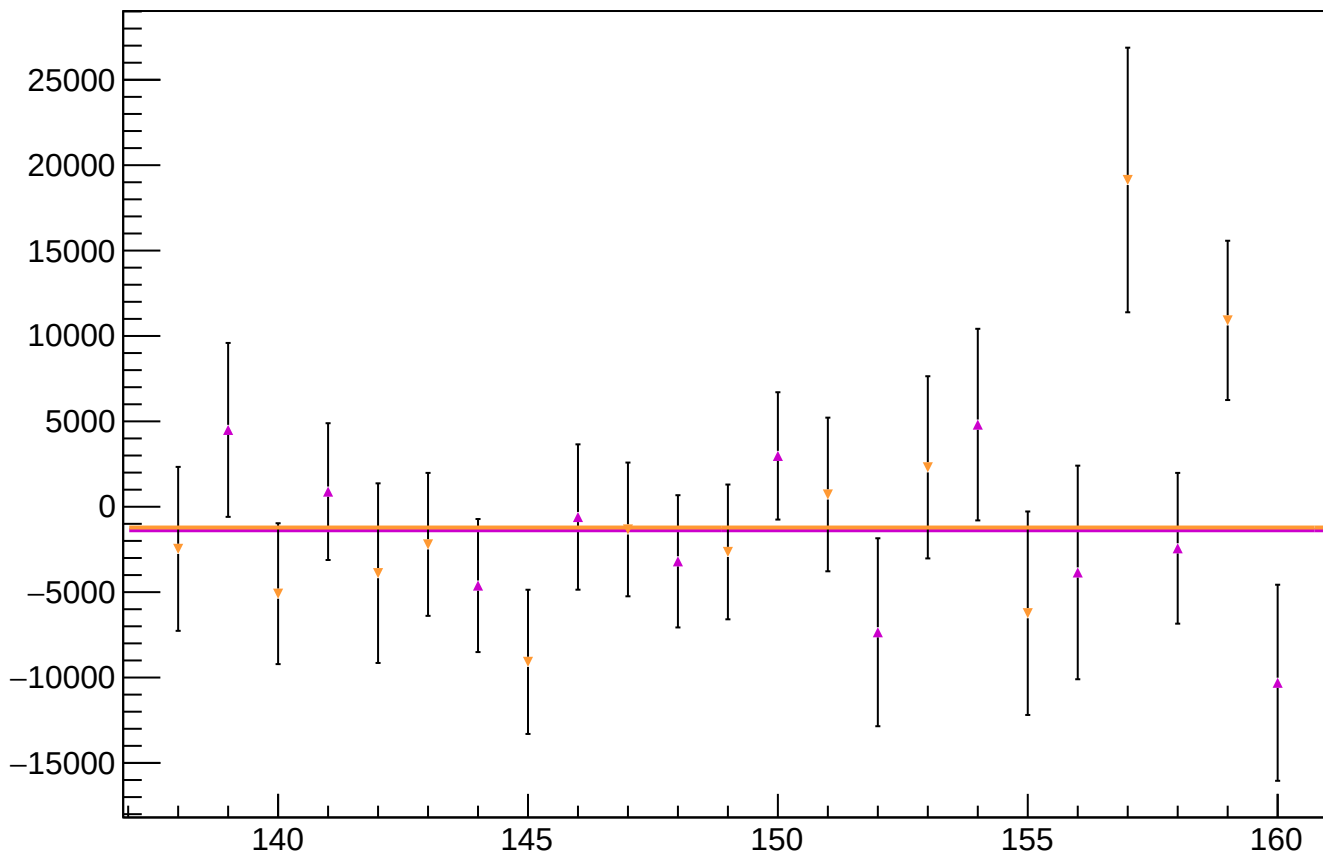
Right: 1994.568+/-0.389 χ^2/NDF : 947053.5/35

In: 1981.059+/-0.357 χ^2/NDF : 674707.3/27

Out: 1979.583+/-0.353 χ^2/NDF : 324335.3/30

All: 1980.314+/-0.251 χ^2/NDF : 999051.3/58

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1216.636+/-1340.653 χ^2/NDF :19.9/11

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

Left In: -1375.810+/-1370.056 χ^2/NDF :9.0/10

Left: -1294.496+/-958.211 χ^2/NDF : 28.9/22

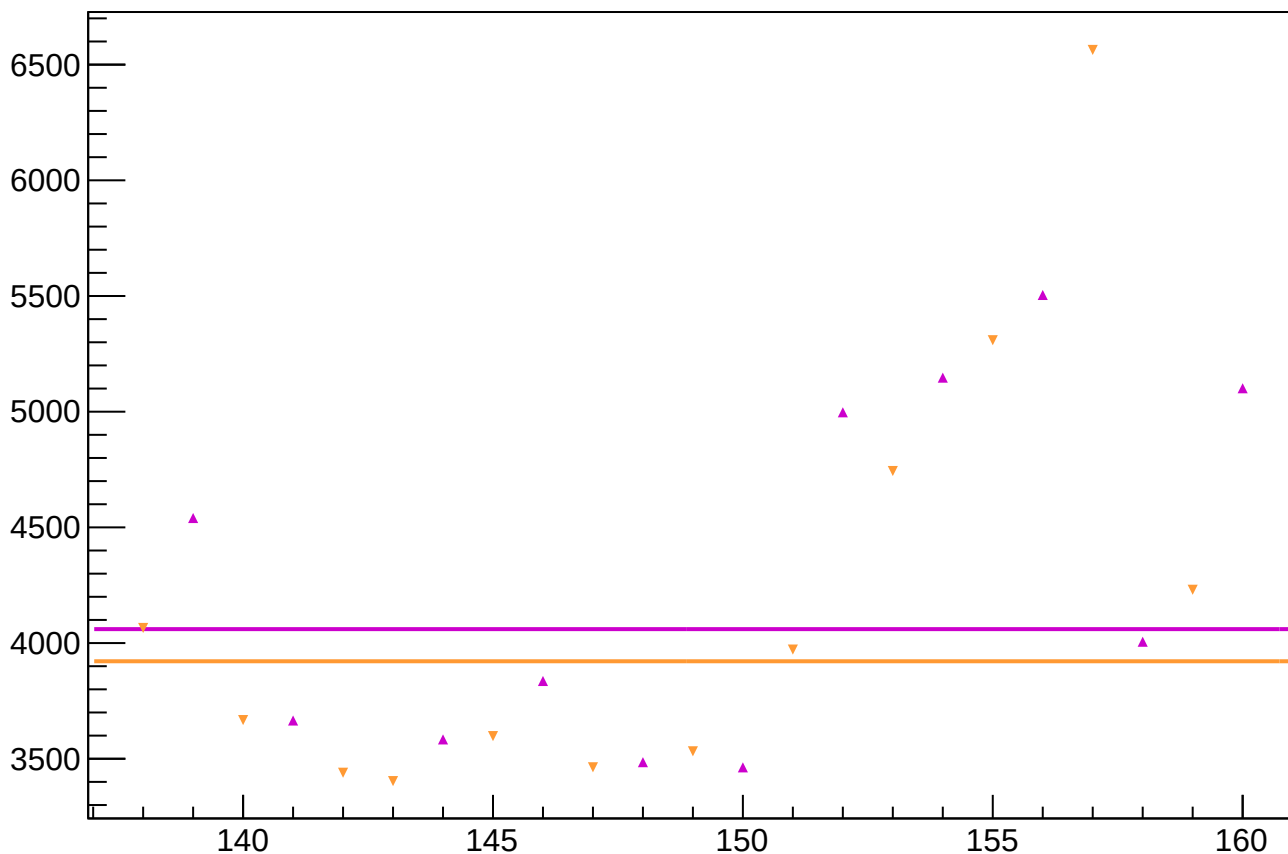
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1375.810+/-1370.056 χ^2/NDF :9.0/10

Out: -1216.636+/-1340.653 χ^2/NDF :19.9/11

All: -1294.496+/-958.211 χ^2/NDF : 28.9/22

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3921.343+/-0.948 χ^2/NDF :513100.2/11

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

Left In: 4060.251+/-0.969 χ^2/NDF :474057.1/10

Left: 3989.291+/-0.678 χ^2/NDF : 997660.0/22

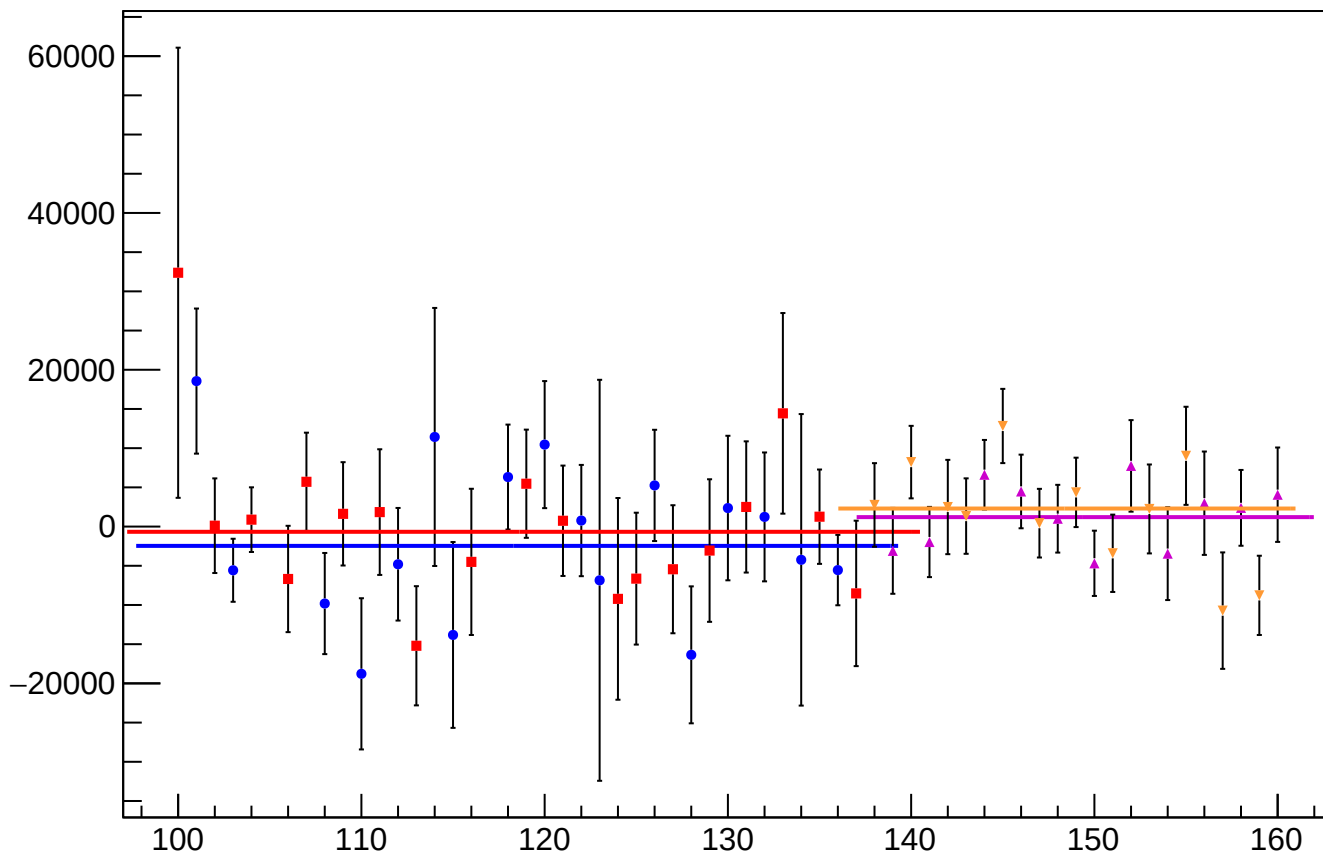
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4060.251+/-0.969 χ^2/NDF :474057.1/10

Out: 3921.343+/-0.948 χ^2/NDF :513100.2/11

All: 3989.291+/-0.678 χ^2/NDF : 997660.0/22

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 2301.604 $\pm$ 1481.335 χ^2 /NDF: 17.4/11

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

Left In: 1205.002 $\pm$ 1504.148 χ^2 /NDF: 7.3/10

Left: 1761.682 $\pm$ 1055.435 χ^2 /NDF: 25.0/22

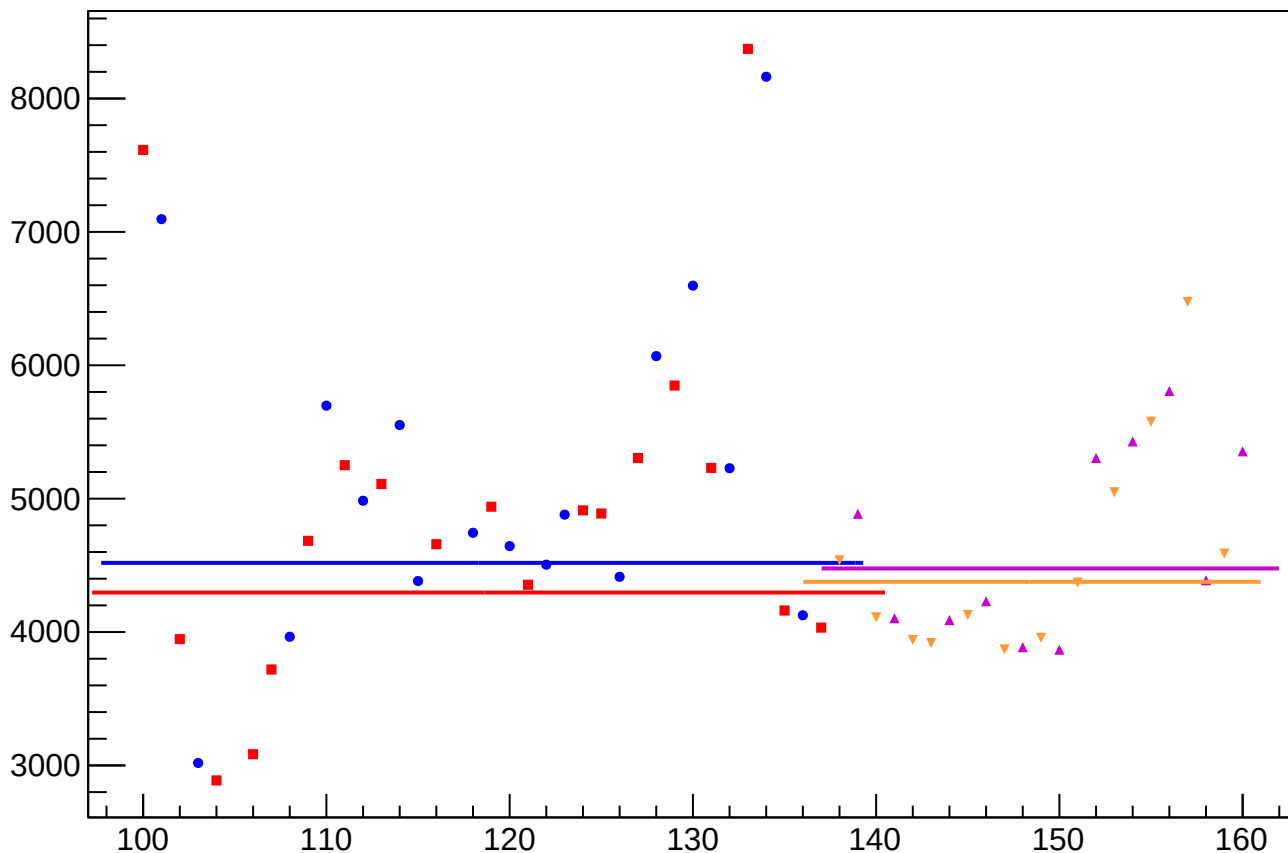
Right: -1508.905 $\pm$ 1231.122 χ^2 /NDF: 33.3/35

In: -305.547 $\pm$ 1153.495 χ^2 /NDF: 30.6/27

Out: 1011.984 $\pm$ 1113.919 χ^2 /NDF: 31.0/30

All: 376.208 $\pm$ 801.286 χ^2 /NDF: 62.3/58

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4518.684+/-1.271 χ^2/NDF : 770226.9/16

Left Out: 4376.590+/-1.047 χ^2/NDF : 352328.7/11

Right Out: 4296.379+/-1.188 χ^2/NDF : 771702.5/18

Left In: 4476.885+/-1.064 χ^2/NDF : 342619.3/10

Left: 4425.971+/-0.746 χ^2/NDF : 699462.0/22

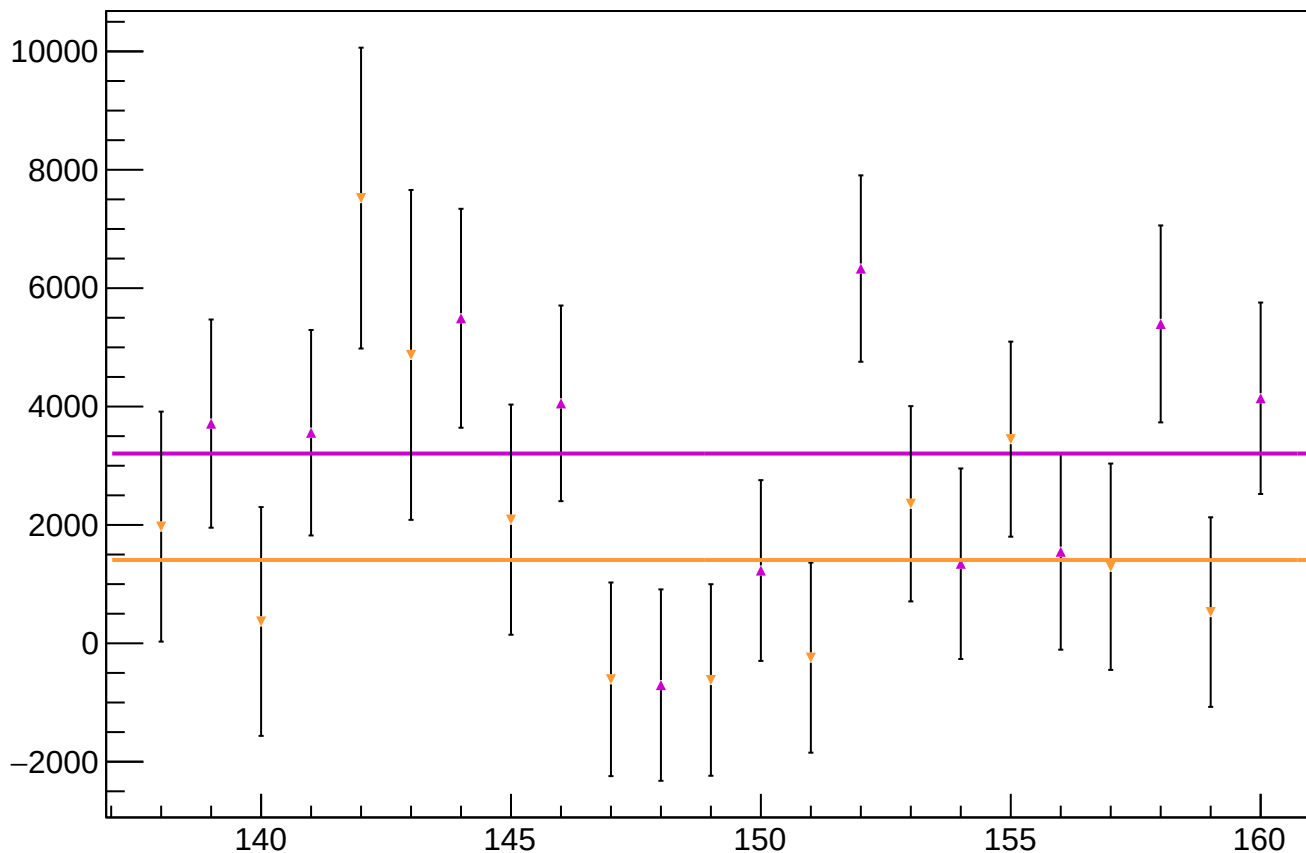
Right: 4400.071+/-0.868 χ^2/NDF : 1558255.2/35

In: 4494.102+/-0.816 χ^2/NDF : 1113482.4/27

Out: 4341.516+/-0.786 χ^2/NDF : 1126595.3/30

All: 4414.962+/-0.566 χ^2/NDF : 2258229.2/58

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1407.082 $\pm$ 521.326 χ^2 /NDF:14.1/11

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

Left In: 3206.022 $\pm$ 498.546 χ^2 /NDF:17.8/10

Left: 2346.713 $\pm$ 360.309 χ^2 /NDF: 38.2/22

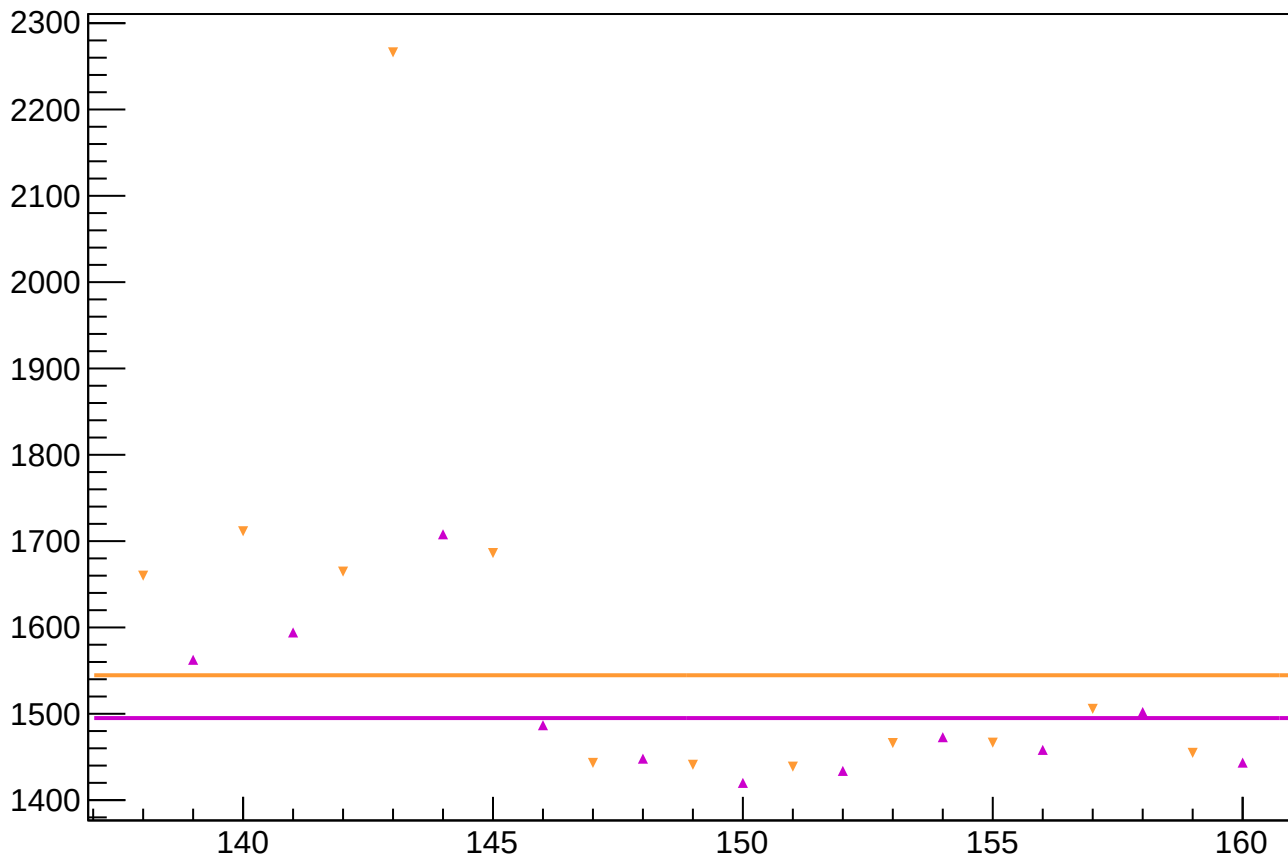
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 3206.022 $\pm$ 498.546 χ^2 /NDF:17.8/10

Out: 1407.082 $\pm$ 521.326 χ^2 /NDF:14.1/11

All: 2346.713 $\pm$ 360.309 χ^2 /NDF: 38.2/22

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1544.631+/-0.369 χ^2/NDF :212054.6/11

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

Left In: 1495.027+/-0.353 χ^2/NDF :49018.5/10

Left: 1518.722+/-0.255 χ^2/NDF : 270530.6/22

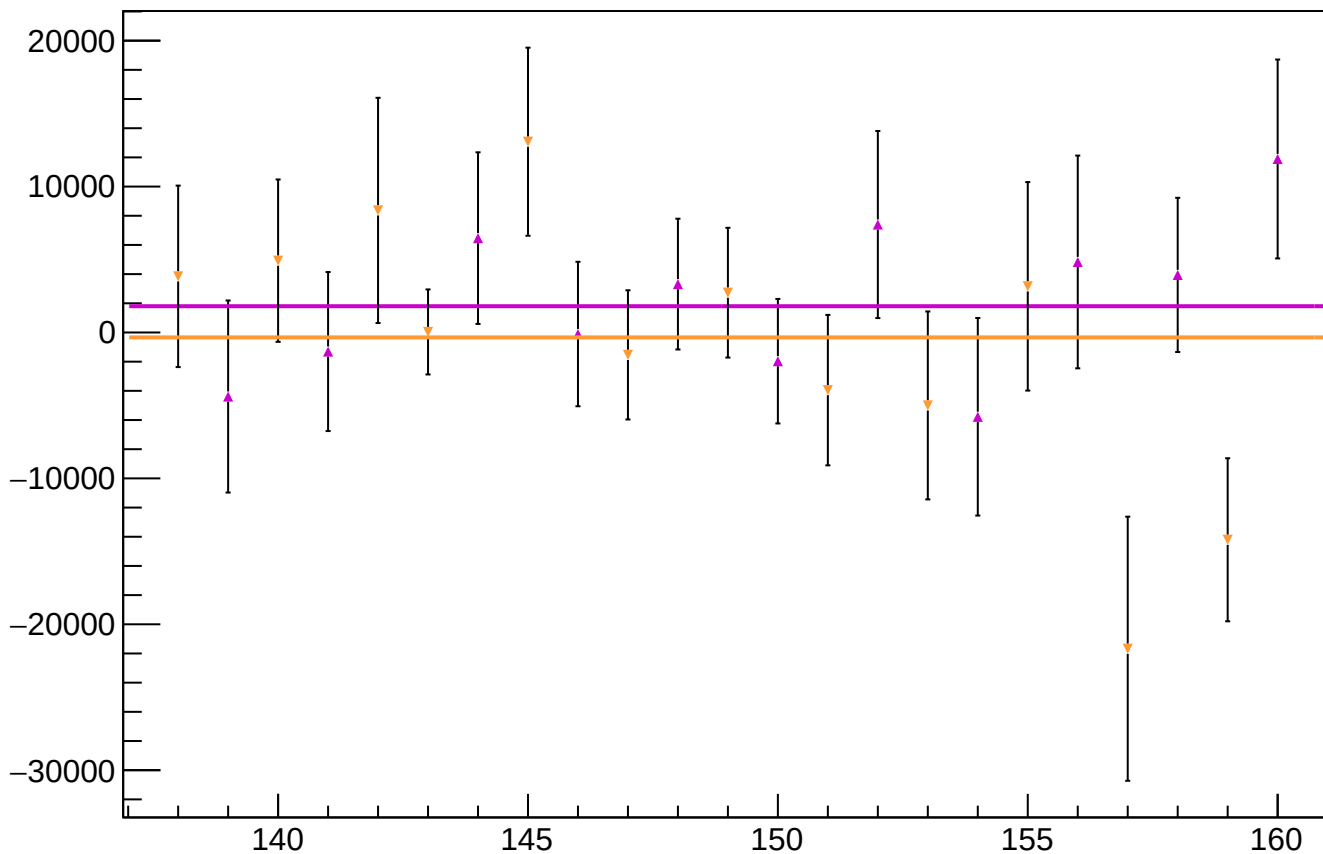
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1495.027+/-0.353 χ^2/NDF :49018.5/10

Out: 1544.631+/-0.369 χ^2/NDF :212054.6/11

All: 1518.722+/-0.255 χ^2/NDF : 270530.6/22

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -336.129+/-1500.968 χ^2/NDF :20.5/11

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

Left In: 1800.649+/-1682.056 χ^2/NDF :7.4/10

Left: 611.087+/-1119.915 χ^2/NDF : 28.8/22

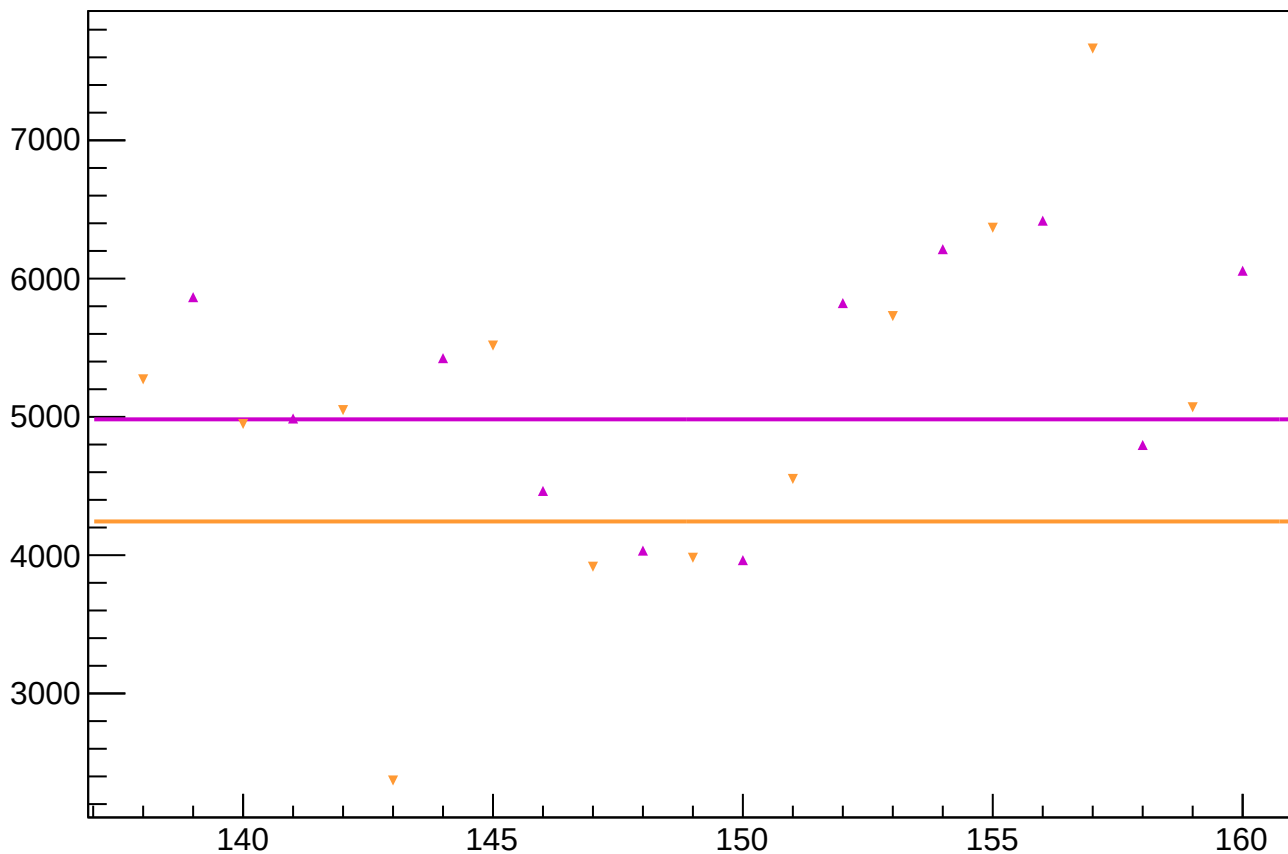
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1800.649+/-1682.056 χ^2/NDF :7.4/10

Out: -336.129+/-1500.968 χ^2/NDF :20.5/11

All: 611.087+/-1119.915 χ^2/NDF : 28.8/22

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4243.839+/-1.061 χ^2/NDF :1649981.9/11

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

Left In: 4982.199+/-1.189 χ^2/NDF :503080.6/10

Left: 4571.148+/-0.792 χ^2/NDF : 2367605.4/22

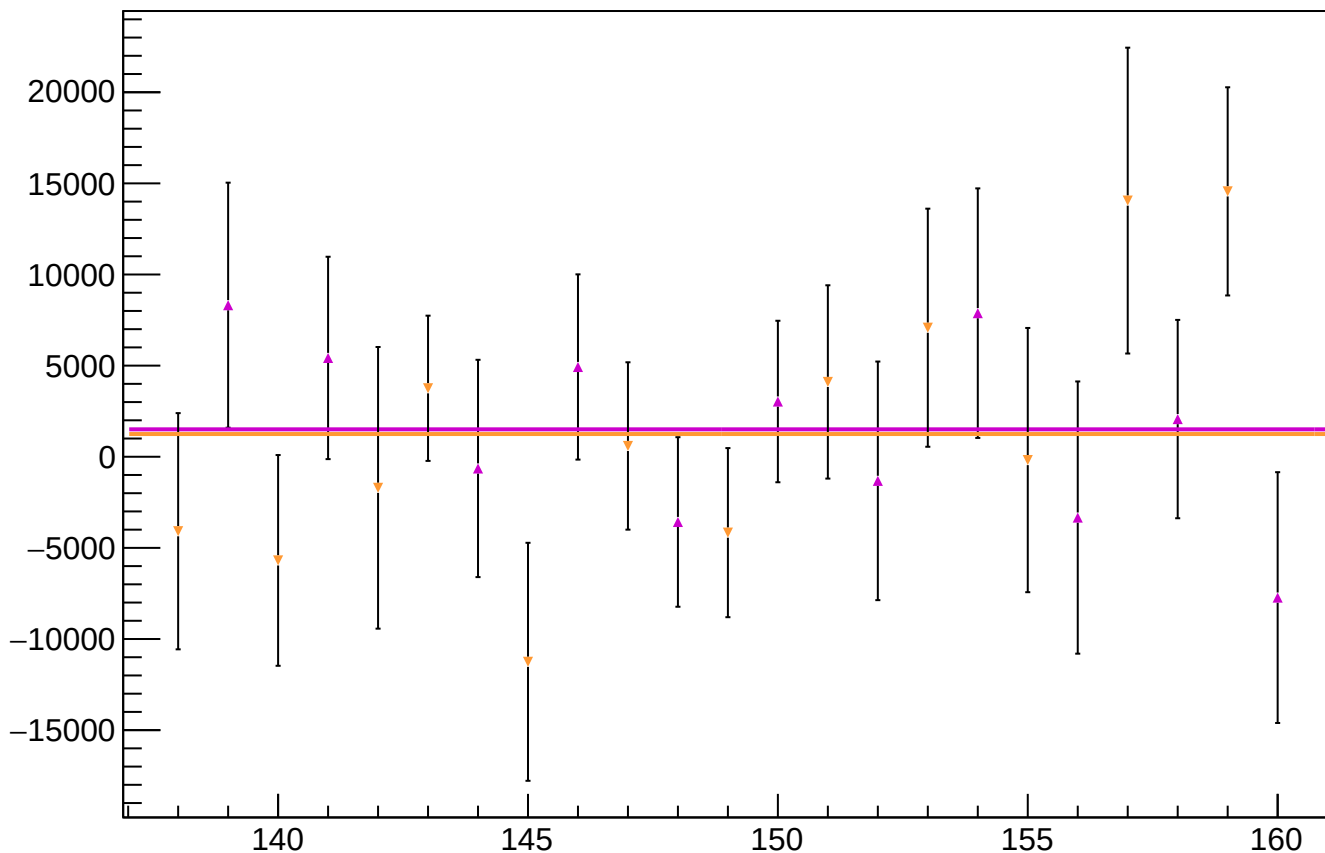
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4982.199+/-1.189 χ^2/NDF :503080.6/10

Out: 4243.839+/-1.061 χ^2/NDF :1649981.9/11

All: 4571.148+/-0.792 χ^2/NDF : 2367605.4/22

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1246.521+/-1635.866 χ^2/NDF :16.6/11

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

Left In: 1504.707+/-1724.972 χ^2/NDF :6.7/10

Left: 1368.773+/-1186.984 χ^2/NDF : 23.3/22

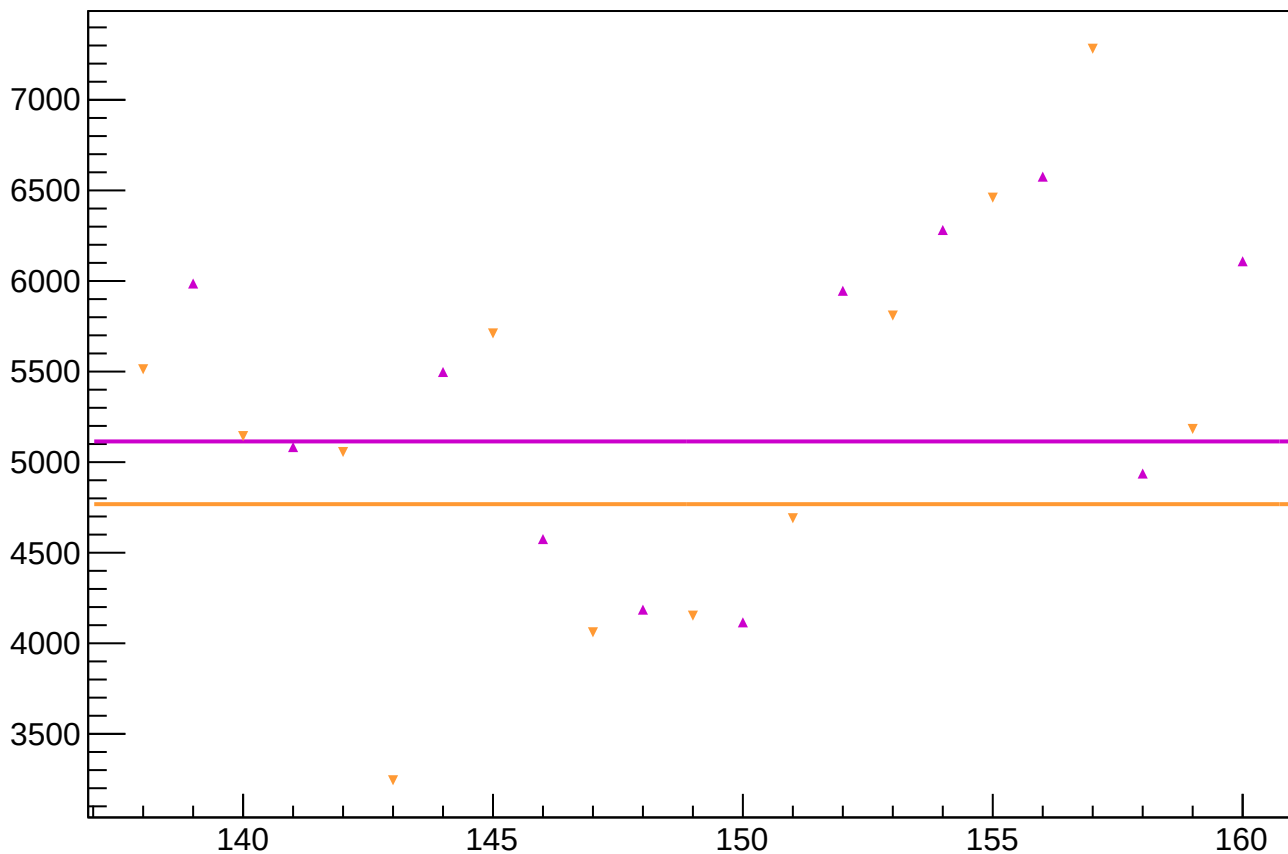
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1504.707+/-1724.972 χ^2/NDF :6.7/10

Out: 1246.521+/-1635.866 χ^2/NDF :16.6/11

All: 1368.773+/-1186.984 χ^2/NDF : 23.3/22

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 4768.058+/-1.157 χ^2/NDF :804971.4/11

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

Left In: 5114.341+/-1.220 χ^2/NDF :456694.3/10

Left: 4932.025+/-0.839 χ^2/NDF : 1304100.4/22

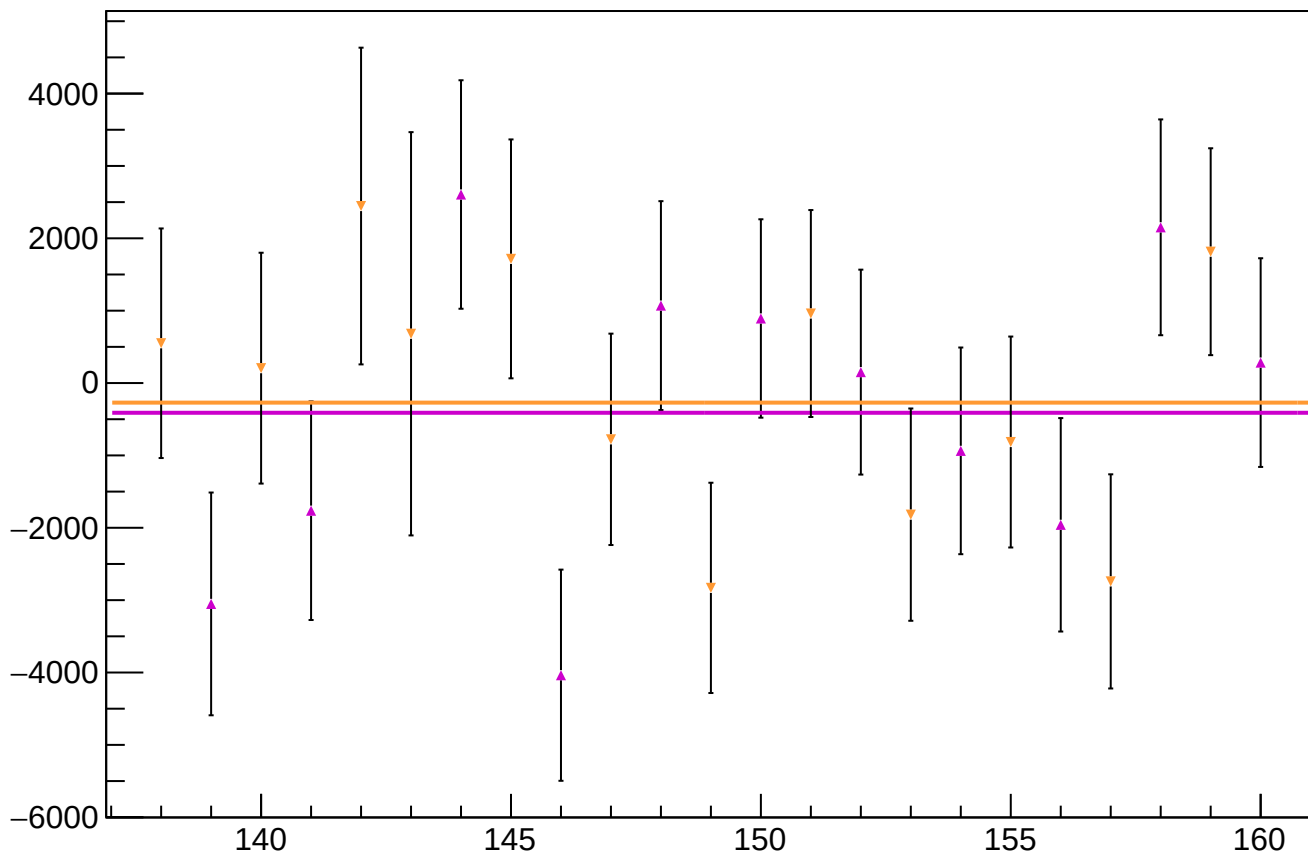
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5114.341+/-1.220 χ^2/NDF :456694.3/10

Out: 4768.058+/-1.157 χ^2/NDF :804971.4/11

All: 4932.025+/-0.839 χ^2/NDF : 1304100.4/22

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

Left Out: -270.437+/-456.026 χ^2/NDF :13.6/11

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

Left In: -410.791+/-441.777 χ^2/NDF :20.1/10

Left: -342.841+/-317.301 χ^2/NDF : 33.8/22

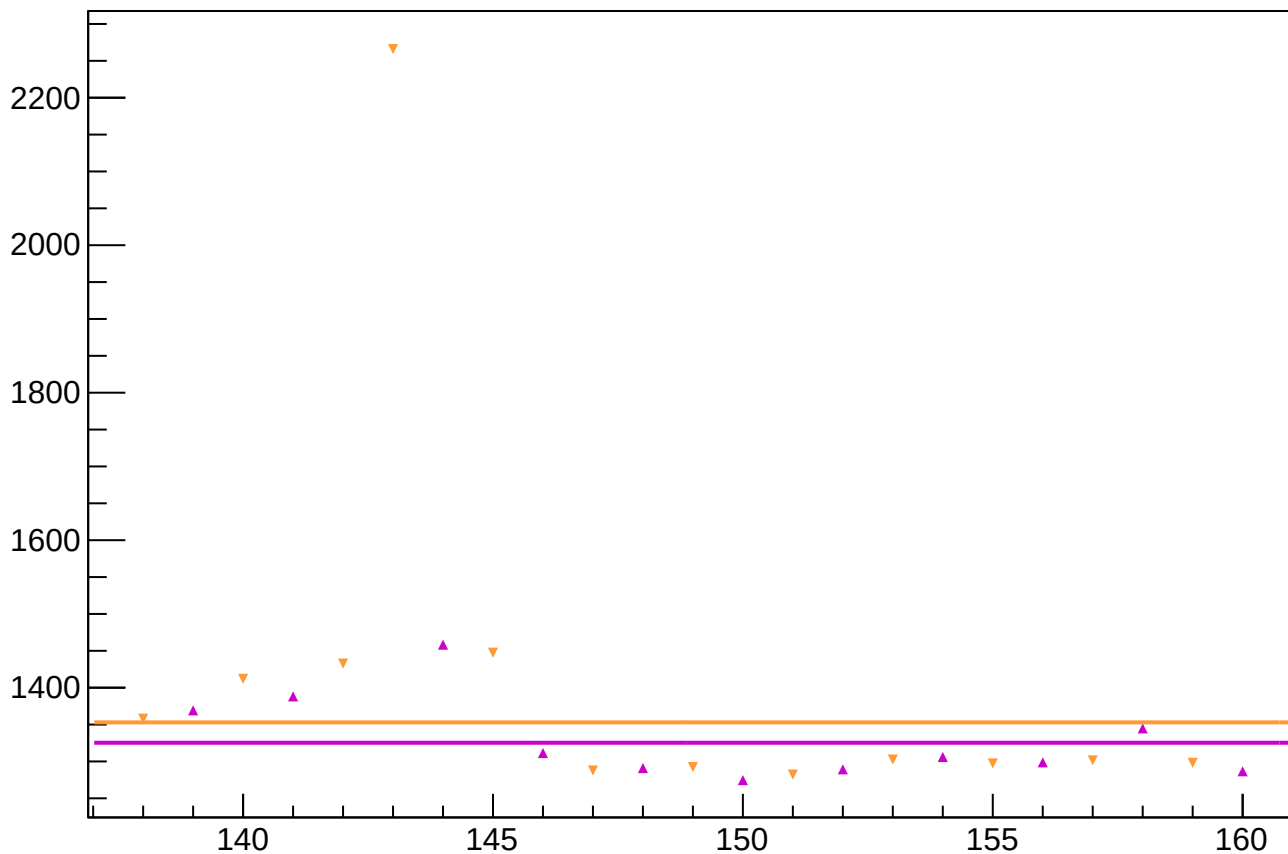
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -410.791+/-441.777 χ^2/NDF :20.1/10

Out: -270.437+/-456.026 χ^2/NDF :13.6/11

All: -342.841+/-317.301 χ^2/NDF : 33.8/22

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1352.981+/-0.322 χ^2/NDF :249694.9/11

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

Left In: 1325.360+/-0.312 χ^2/NDF :27421.0/10

Left: 1338.732+/-0.224 χ^2/NDF : 280901.0/22

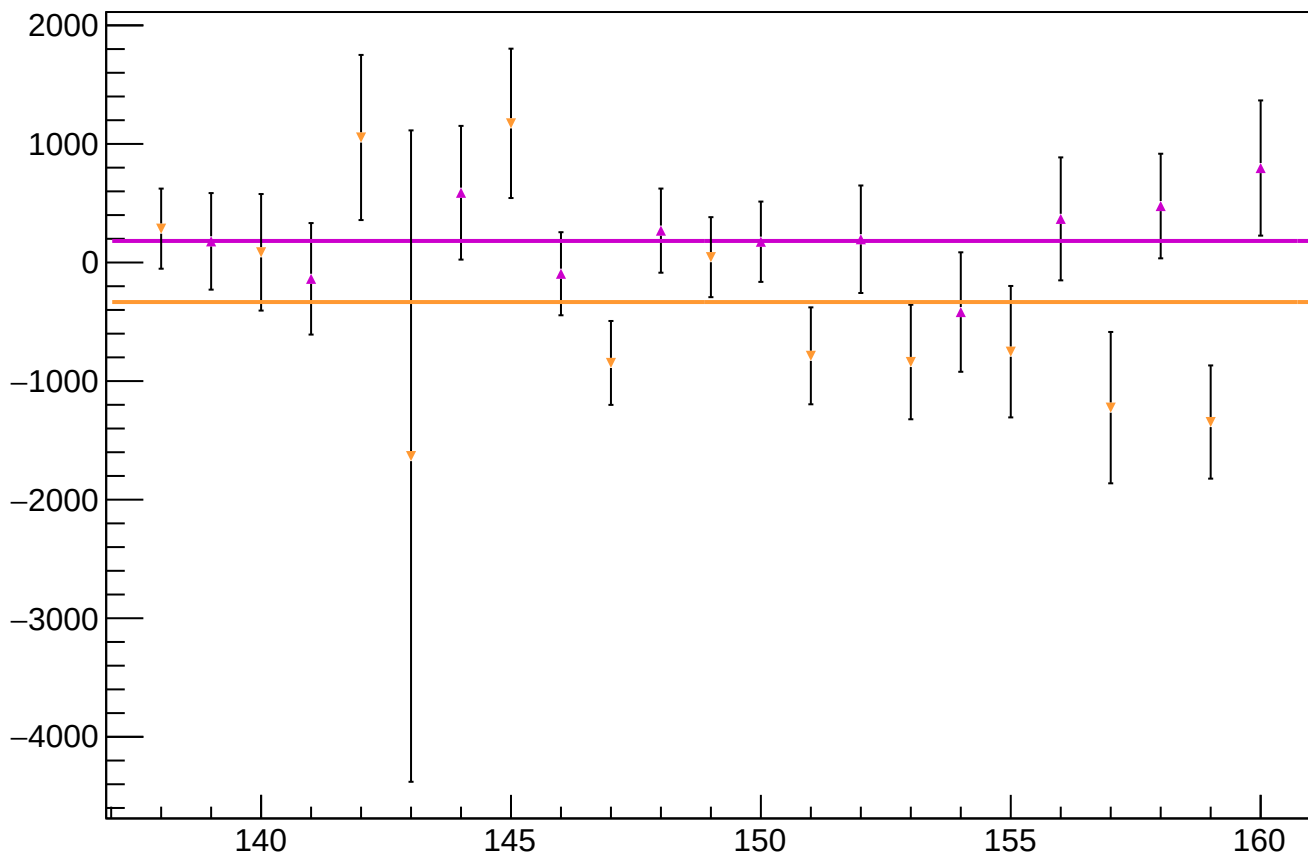
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1325.360+/-0.312 χ^2/NDF :27421.0/10

Out: 1352.981+/-0.322 χ^2/NDF :249694.9/11

All: 1338.732+/-0.224 χ^2/NDF : 280901.0/22

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -333.403+/-135.135 χ^2/NDF :26.7/11

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

Left In: 181.787+/-129.909 χ^2/NDF :4.8/10

Left: -65.653+/-93.652 χ^2/NDF : 39.1/22

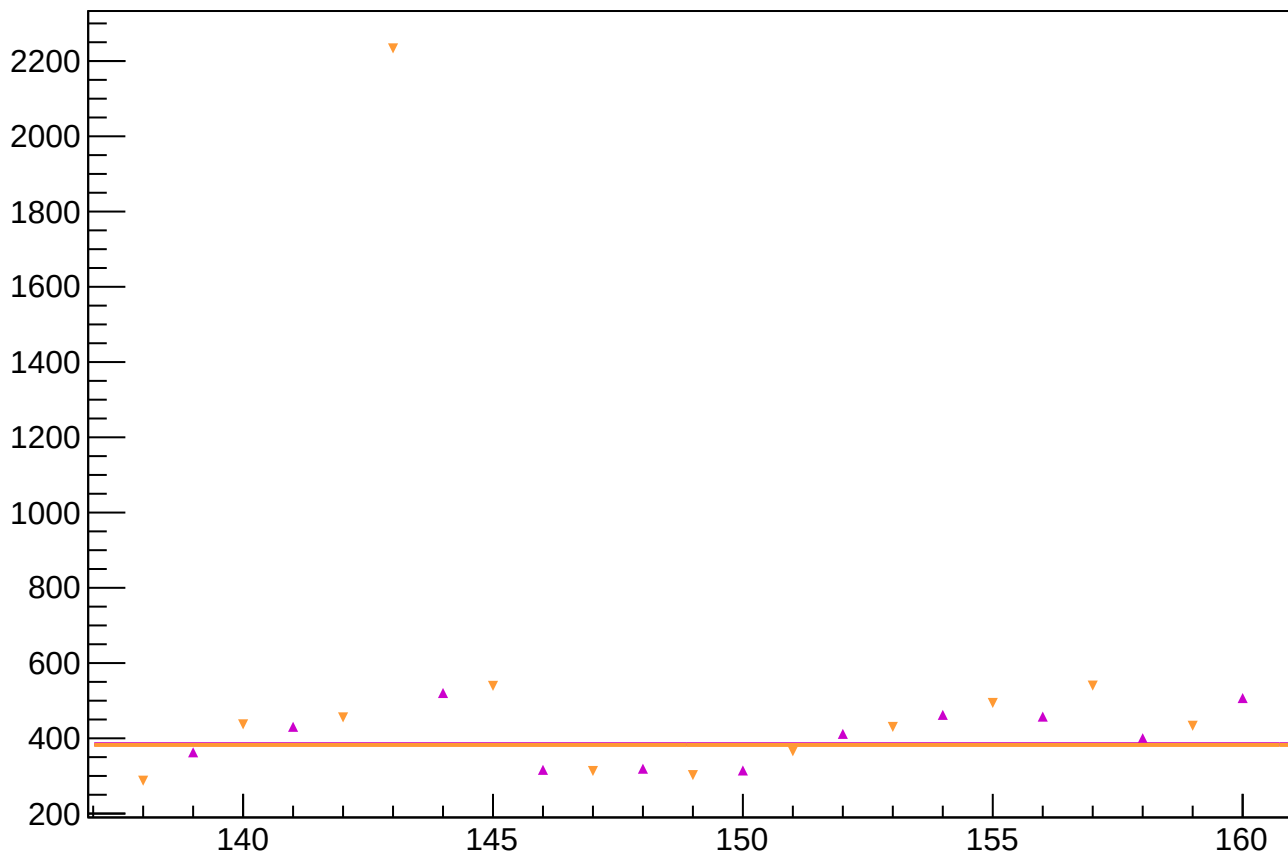
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 181.787+/-129.909 χ^2/NDF :4.8/10

Out: -333.403+/-135.135 χ^2/NDF :26.7/11

All: -65.653+/-93.652 χ^2/NDF : 39.1/22

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 382.479+/-0.096 χ^2/NDF :1676637.9/11

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

Left In: 384.378+/-0.092 χ^2/NDF :559877.1/10

Left: 383.466+/-0.066 χ^2/NDF : 2236720.3/22

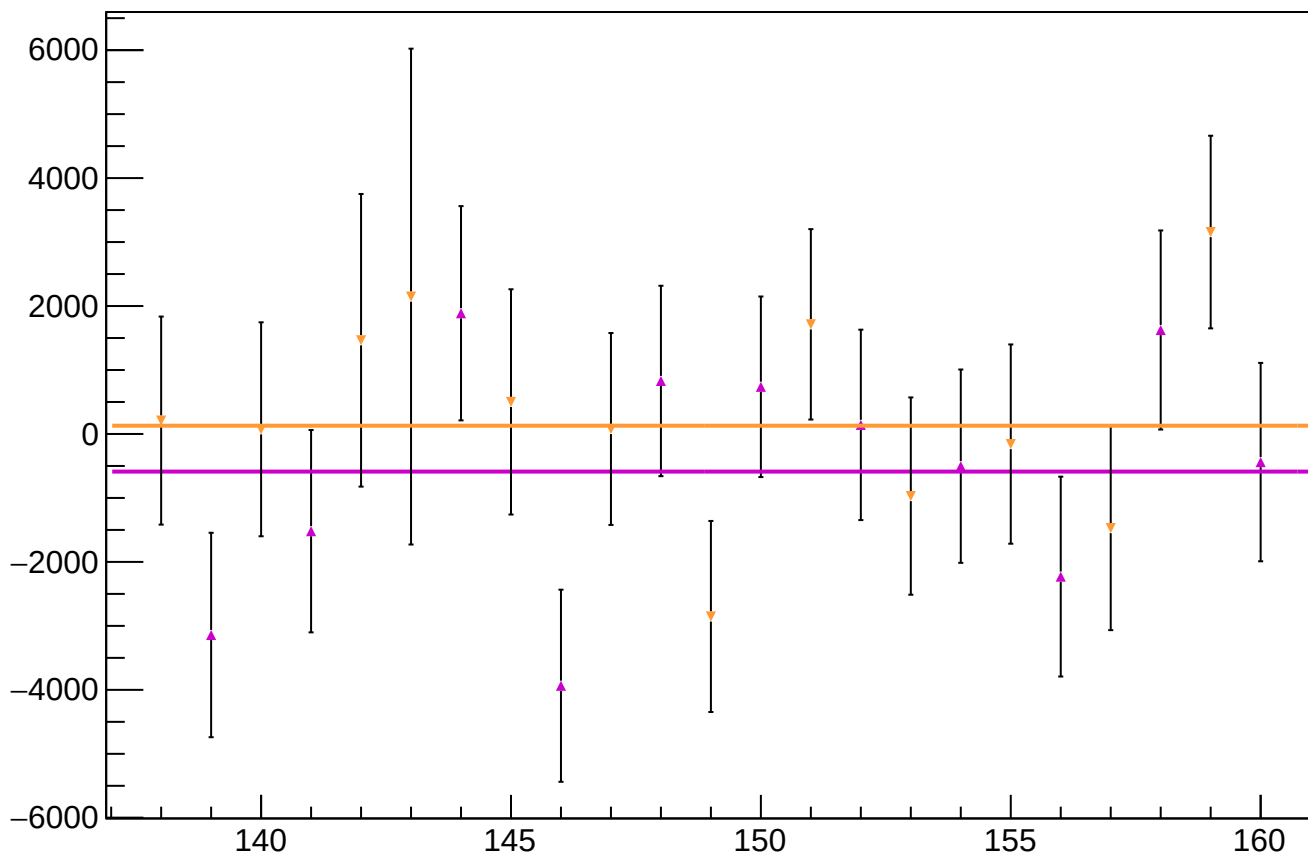
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 384.378+/-0.092 χ^2/NDF :559877.1/10

Out: 382.479+/-0.096 χ^2/NDF :1676637.9/11

All: 383.466+/-0.066 χ^2/NDF : 2236720.3/22

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

Left Out: 129.282+/-480.716 χ^2/NDF :11.4/11

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

Left In: -587.989+/-462.561 χ^2/NDF :15.2/10

Left: -243.153+/-333.314 χ^2/NDF : 27.8/22

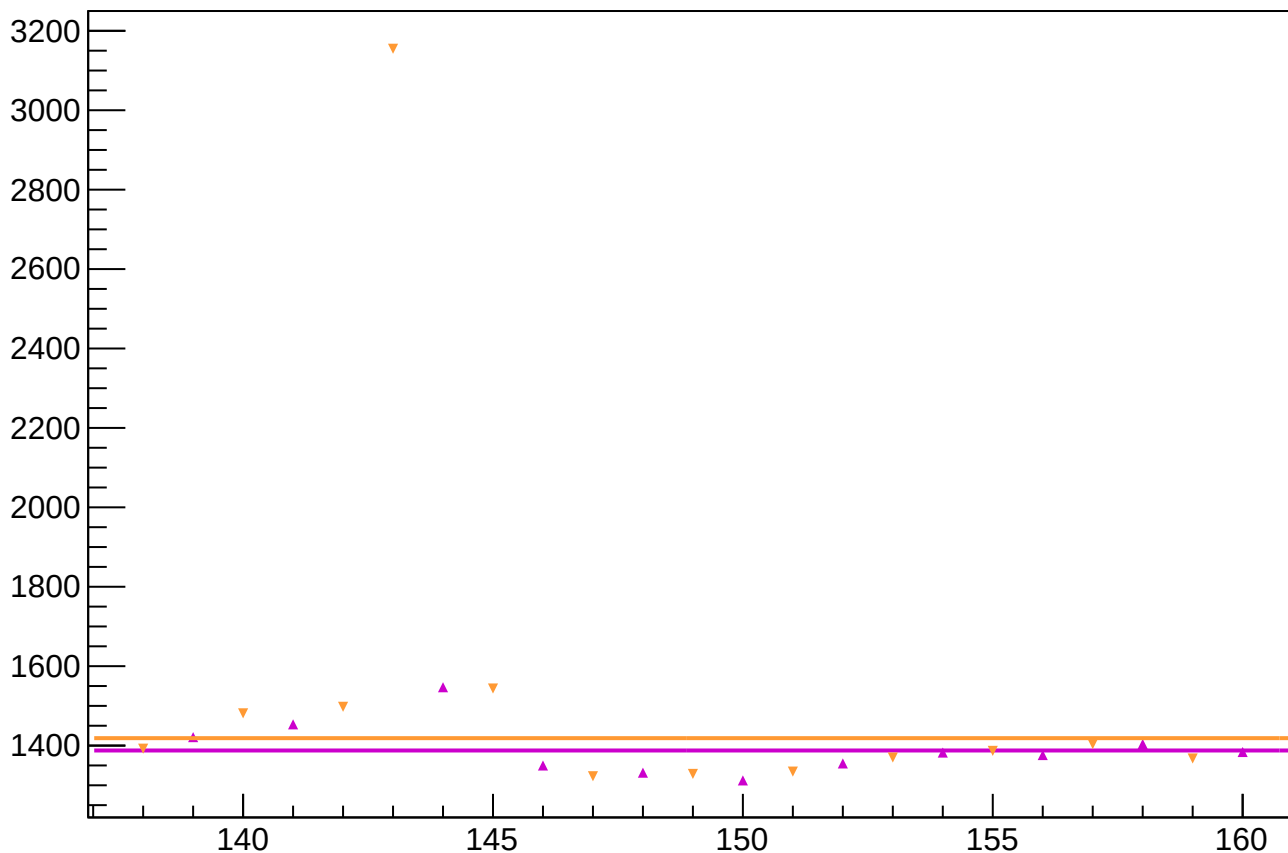
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -587.989+/-462.561 χ^2/NDF :15.2/10

Out: 129.282+/-480.716 χ^2/NDF :11.4/11

All: -243.153+/-333.314 χ^2/NDF : 27.8/22

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1418.722+/-0.340 χ^2/NDF :444325.5/11

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

Left In: 1387.671+/-0.327 χ^2/NDF :33566.2/10

Left: 1402.599+/-0.236 χ^2/NDF : 482224.5/22

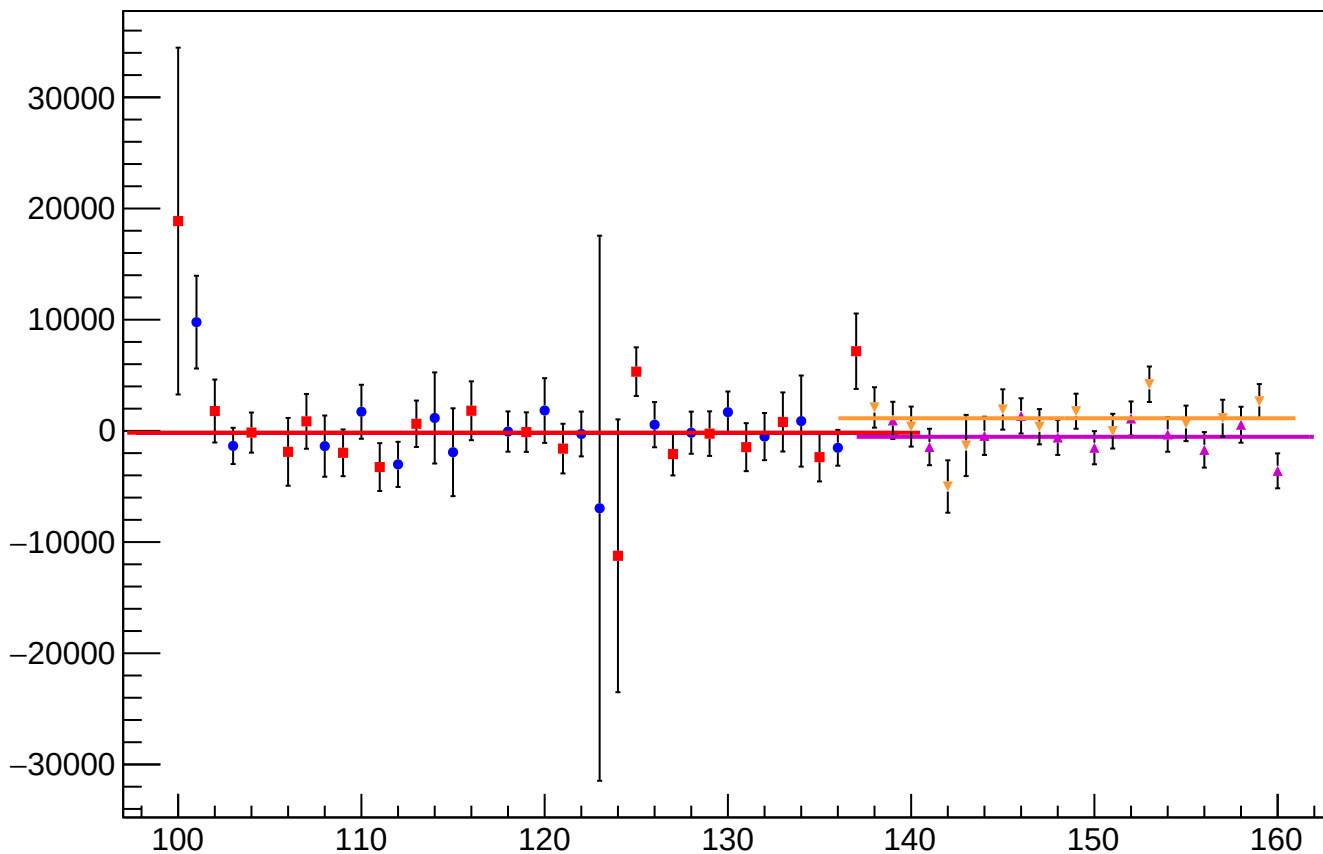
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1387.671+/-0.327 χ^2/NDF :33566.2/10

Out: 1418.722+/-0.340 χ^2/NDF :444325.5/11

All: 1402.599+/-0.236 χ^2/NDF : 482224.5/22

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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

Left Out: 1137.320 $\pm$ 499.971 χ^2 /NDF:13.9/11

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

Left In: -532.282 $\pm$ 479.965 χ^2 /NDF:8.9/10

Left: 268.449 $\pm$ 346.243 χ^2 /NDF: 28.6/22

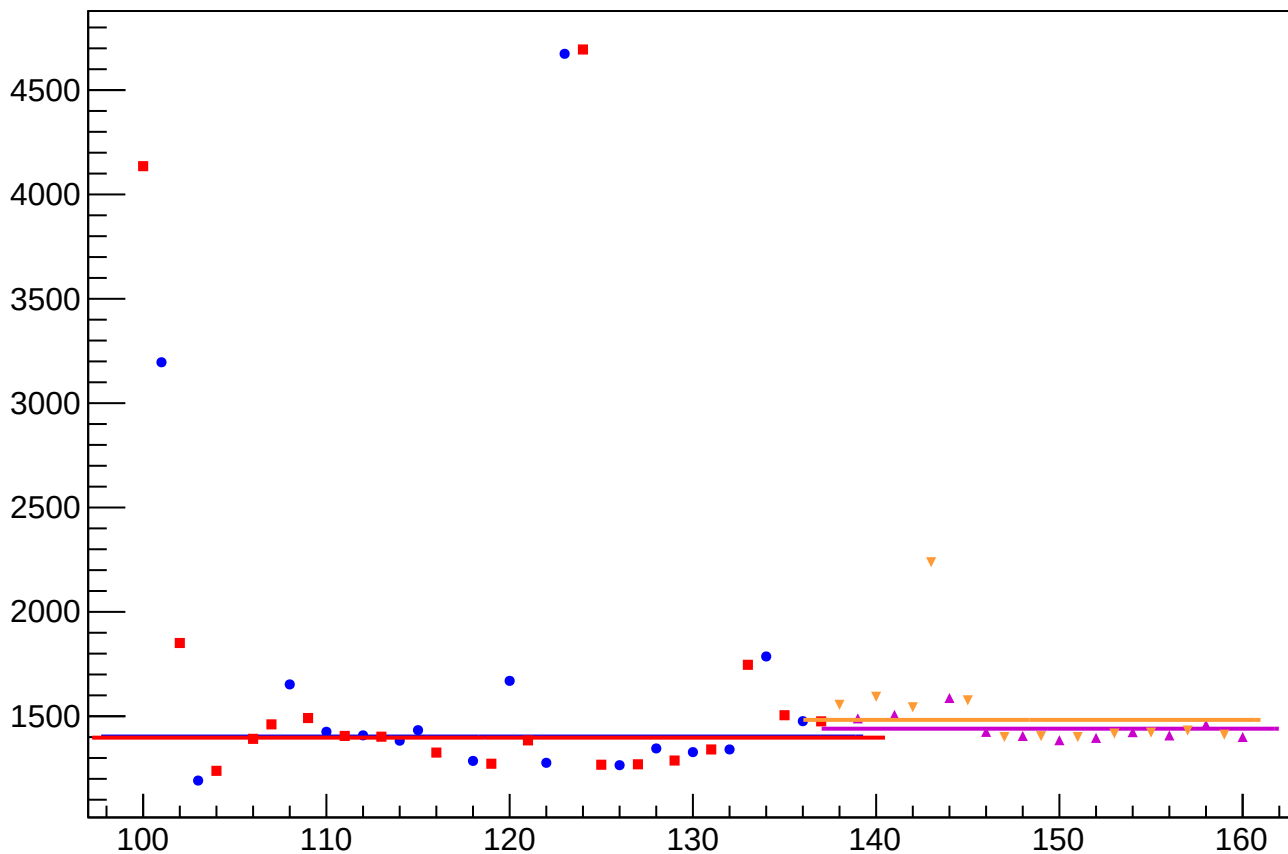
Right: -169.758 $\pm$ 386.953 χ^2 /NDF: 32.4/35

In: -379.233 $\pm$ 362.944 χ^2 /NDF:20.9/27

Out: 536.363 $\pm$ 366.900 χ^2 /NDF:37.7/30

All: 73.602 $\pm$ 258.027 χ^2 /NDF: 61.7/58

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



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

Left Out: 1482.510 $\pm$ 0.354 χ^2 /NDF:196143.1/11

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

Left In: 1440.311 $\pm$ 0.339 χ^2 /NDF:27816.1/10

Left: 1460.549 $\pm$ 0.245 χ^2 /NDF: 231374.0/22

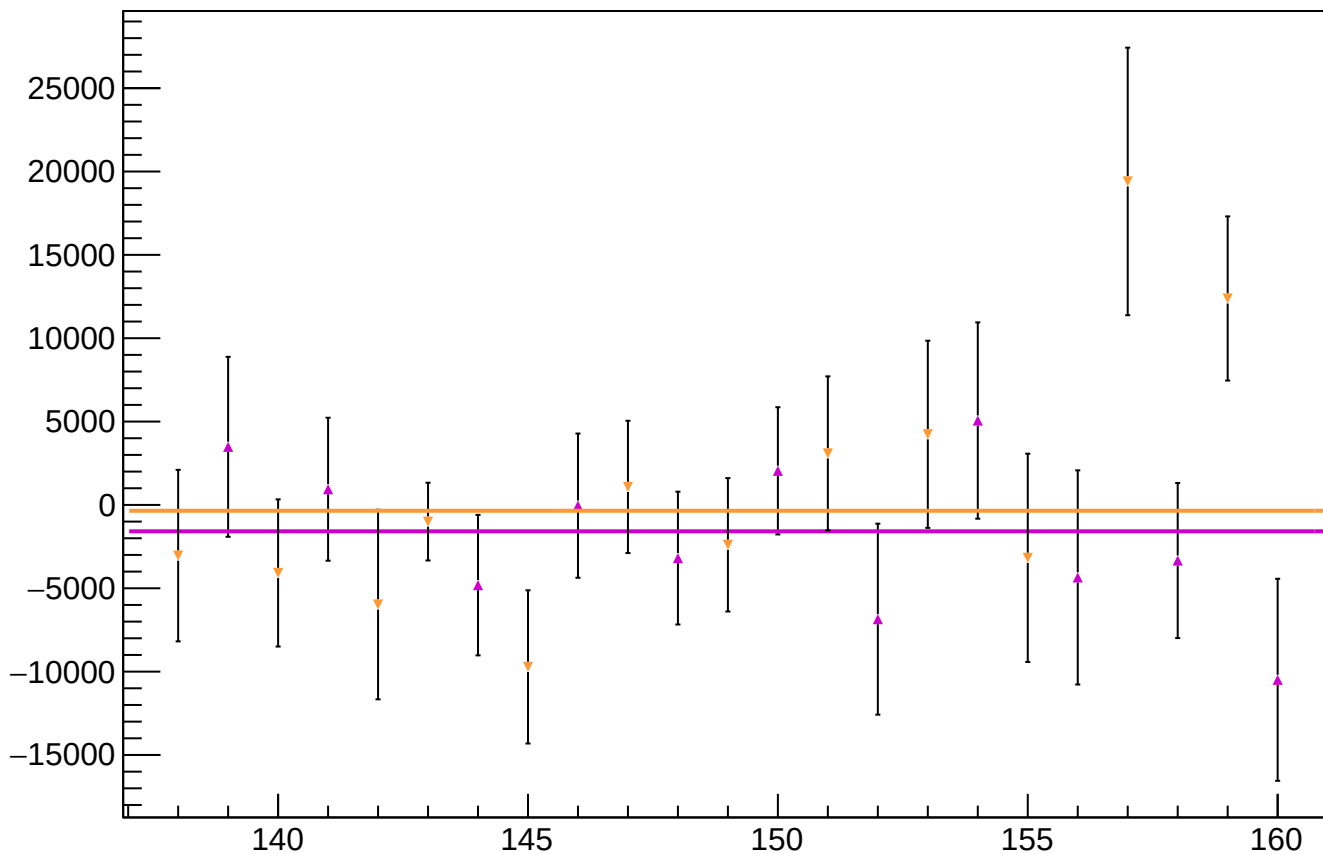
Right: 1400.004 $\pm$ 0.274 χ^2 /NDF: 879784.5/35

In: 1424.210 $\pm$ 0.257 χ^2 /NDF:559398.6/27

Out: 1443.229 $\pm$ 0.259 χ^2 /NDF:576244.0/30

All: 1433.619 $\pm$ 0.182 χ^2 /NDF: 1138359.5/58

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -349.993+/-1251.815 χ^2/NDF :20.8/11

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

Left In: -1582.751+/-1432.742 χ^2/NDF :7.6/10

Left: -883.666+/-942.685 χ^2/NDF : 28.8/22

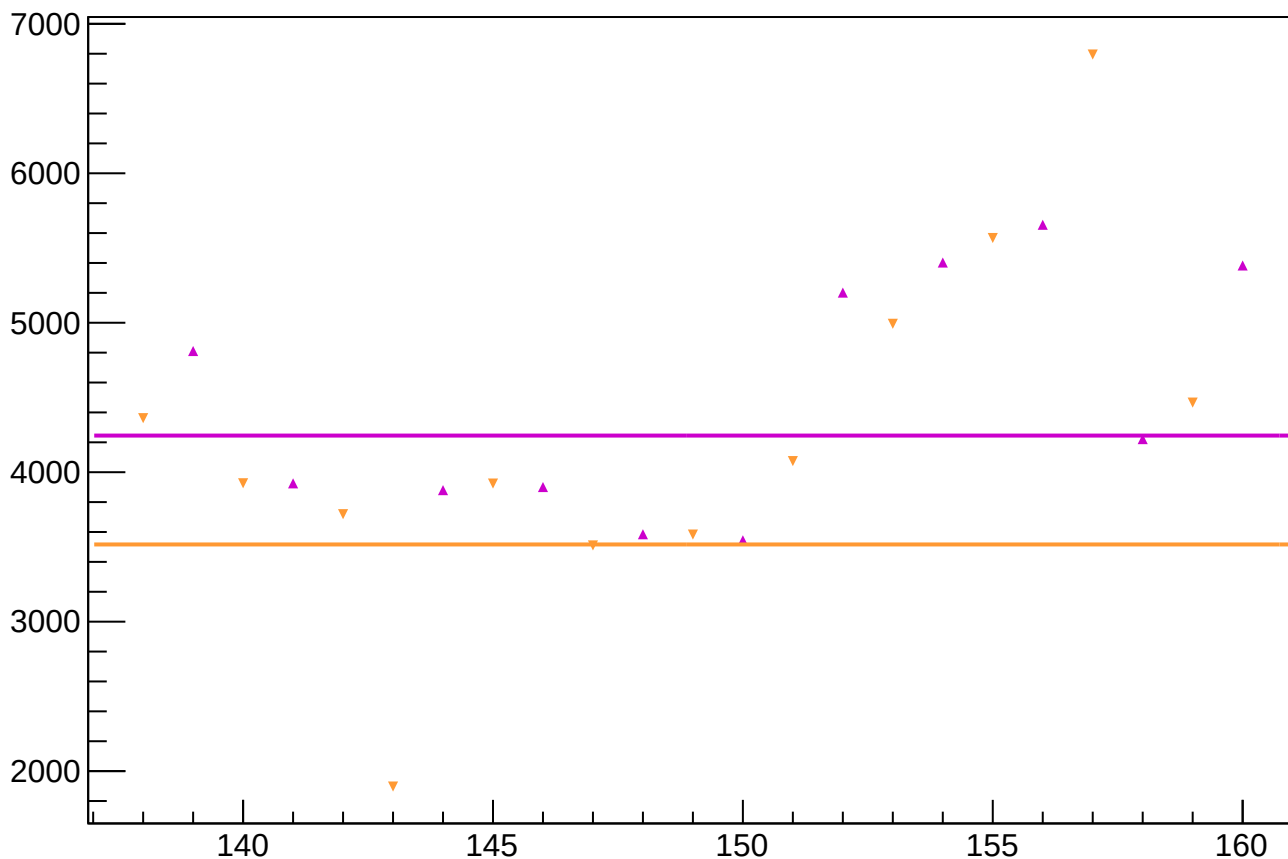
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1582.751+/-1432.742 χ^2/NDF :7.6/10

Out: -349.993+/-1251.815 χ^2/NDF :20.8/11

All: -883.666+/-942.685 χ^2/NDF : 28.8/22

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 3516.600+/-0.885 χ^2/NDF :1845574.0/11

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

Left In: 4245.123+/-1.013 χ^2/NDF :483302.5/10

Left: 3831.985+/-0.667 χ^2/NDF : 2622123.1/22

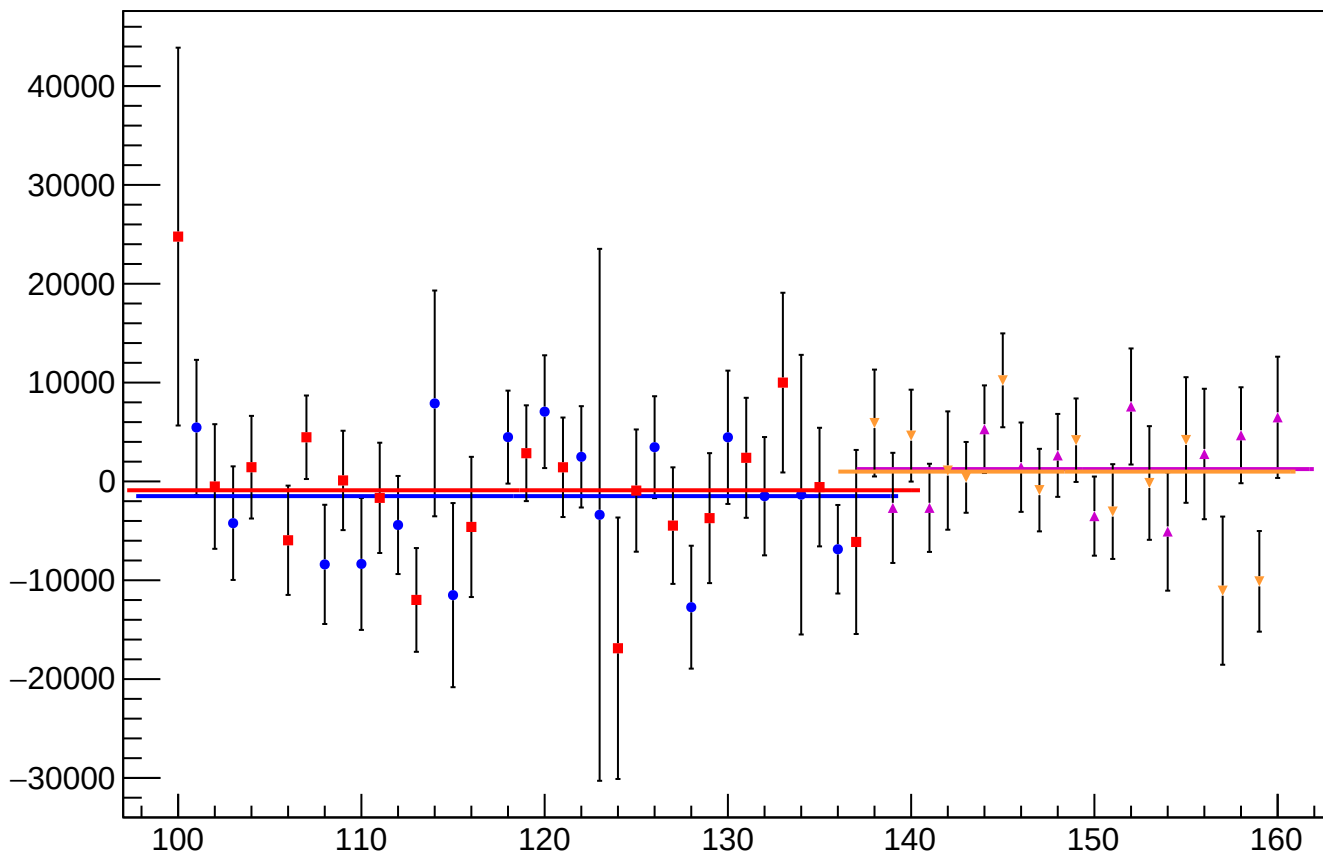
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4245.123+/-1.013 χ^2/NDF :483302.5/10

Out: 3516.600+/-0.885 χ^2/NDF :1845574.0/11

All: 3831.985+/-0.667 χ^2/NDF : 2622123.1/22

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1487.038 ± 1499.116 $\chi^2/\text{NDF}: 16.7/16$

Left Out: 994.307 ± 1415.729 $\chi^2/\text{NDF}: 14.4/11$

Right Out: -894.160 ± 1378.910 $\chi^2/\text{NDF}: 14.1/18$

Left In: 1248.496 ± 1490.146 $\chi^2/\text{NDF}: 7.2/10$

Left: 1114.896 ± 1026.371 $\chi^2/\text{NDF}: 21.5/22$

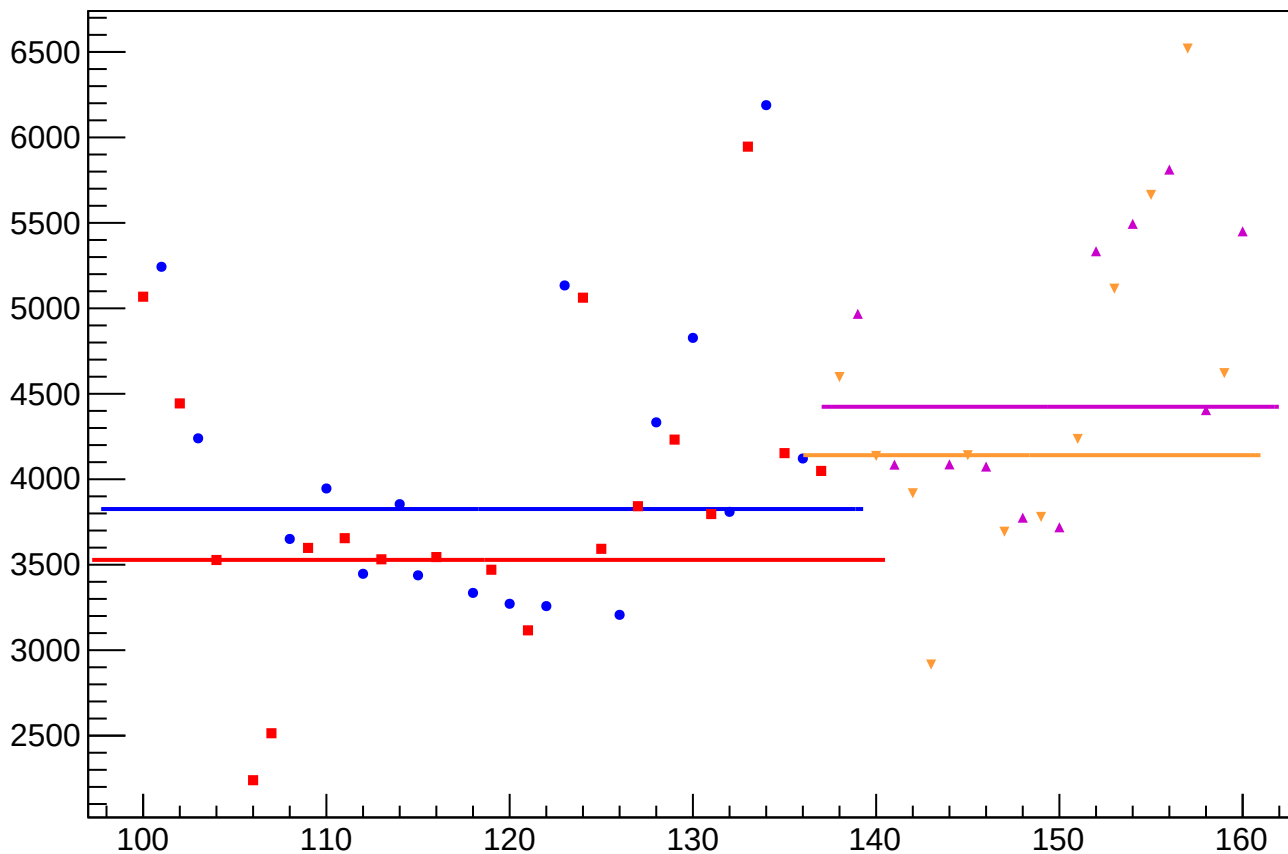
Right: -1165.879 ± 1014.876 $\chi^2/\text{NDF}: 30.9/35$

In: -111.062 ± 1056.849 $\chi^2/\text{NDF}: 25.5/27$

Out: 25.198 ± 987.797 $\chi^2/\text{NDF}: 29.4/30$

All: -38.336 ± 721.656 $\chi^2/\text{NDF}: 54.9/58$

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3825.844+/-1.060 χ^2/NDF : 334404.3/16

Left Out: 4140.850+/-1.001 χ^2/NDF : 680707.9/11

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

Left In: 4424.102+/-1.054 χ^2/NDF : 420363.3/10

Left: 4275.227+/-0.726 χ^2/NDF : 1139052.4/22

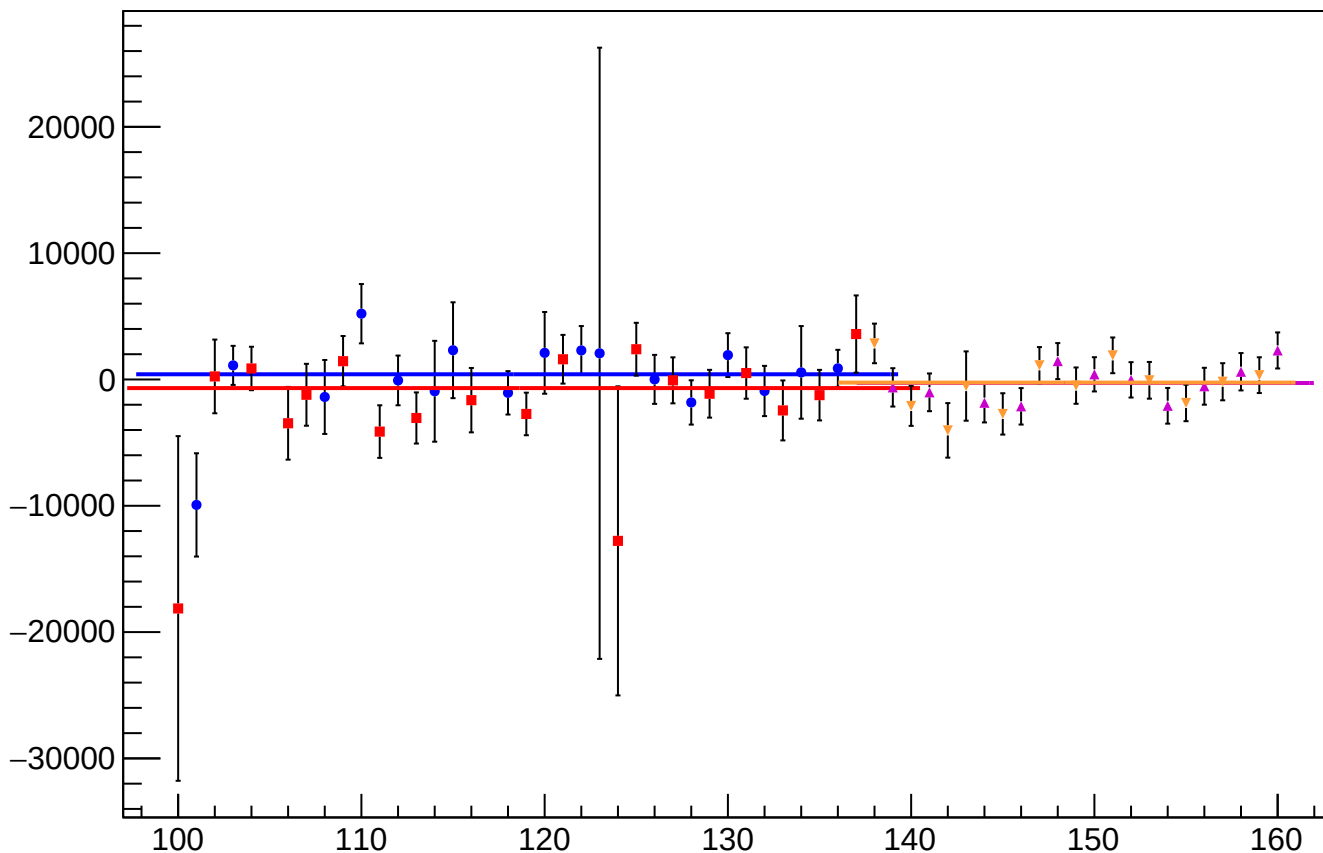
Right: 3663.316+/-0.714 χ^2/NDF : 932858.8/35

In: 4126.760+/-0.747 χ^2/NDF : 914987.8/27

Out: 3823.707+/-0.695 χ^2/NDF : 1429976.2/30

All: 3964.303+/-0.509 χ^2/NDF : 2433124.8/58

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 411.419+/-527.980 χ^2/NDF : 16.5/16

Left Out: -246.878+/-451.410 χ^2/NDF :15.3/11

Right Out: -682.176+/-510.196 χ^2/NDF : 18.0/18

Left In: -280.826+/-436.994 χ^2/NDF :10.0/10

Left: -264.403+/-313.974 χ^2/NDF : 25.3/22

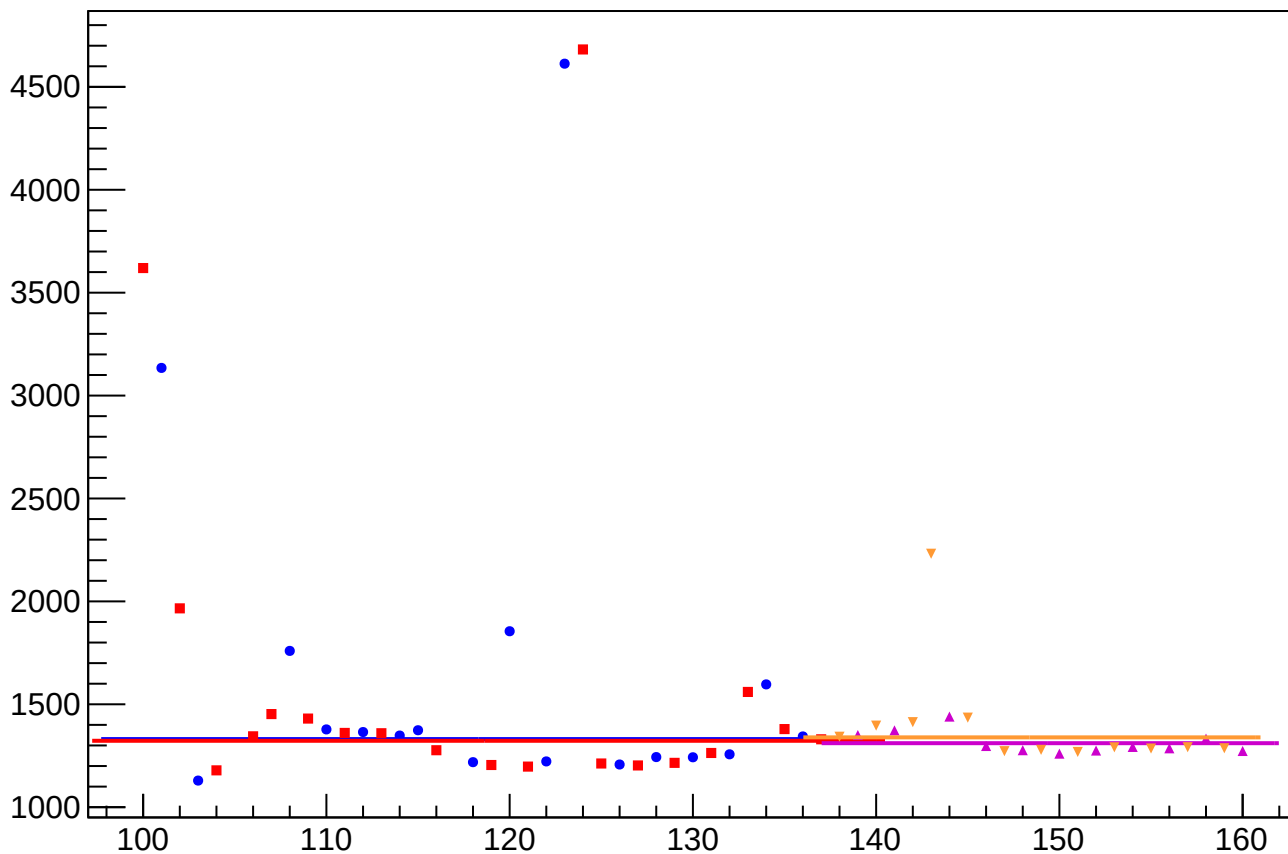
Right: -154.107+/-366.889 χ^2/NDF : 36.8/35

In: 0.601+/-336.644 χ^2/NDF :27.5/27

Out: -438.015+/-338.077 χ^2/NDF :33.8/30

All: -217.775+/-238.548 χ^2/NDF : 62.2/58

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



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

Left Out: 1339.252 $\pm$ 0.319 χ^2 /NDF:246072.9/11

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

Left In: 1311.008 $\pm$ 0.309 χ^2 /NDF:26764.5/10

Left: 1324.672 $\pm$ 0.222 χ^2 /NDF: 276879.4/22

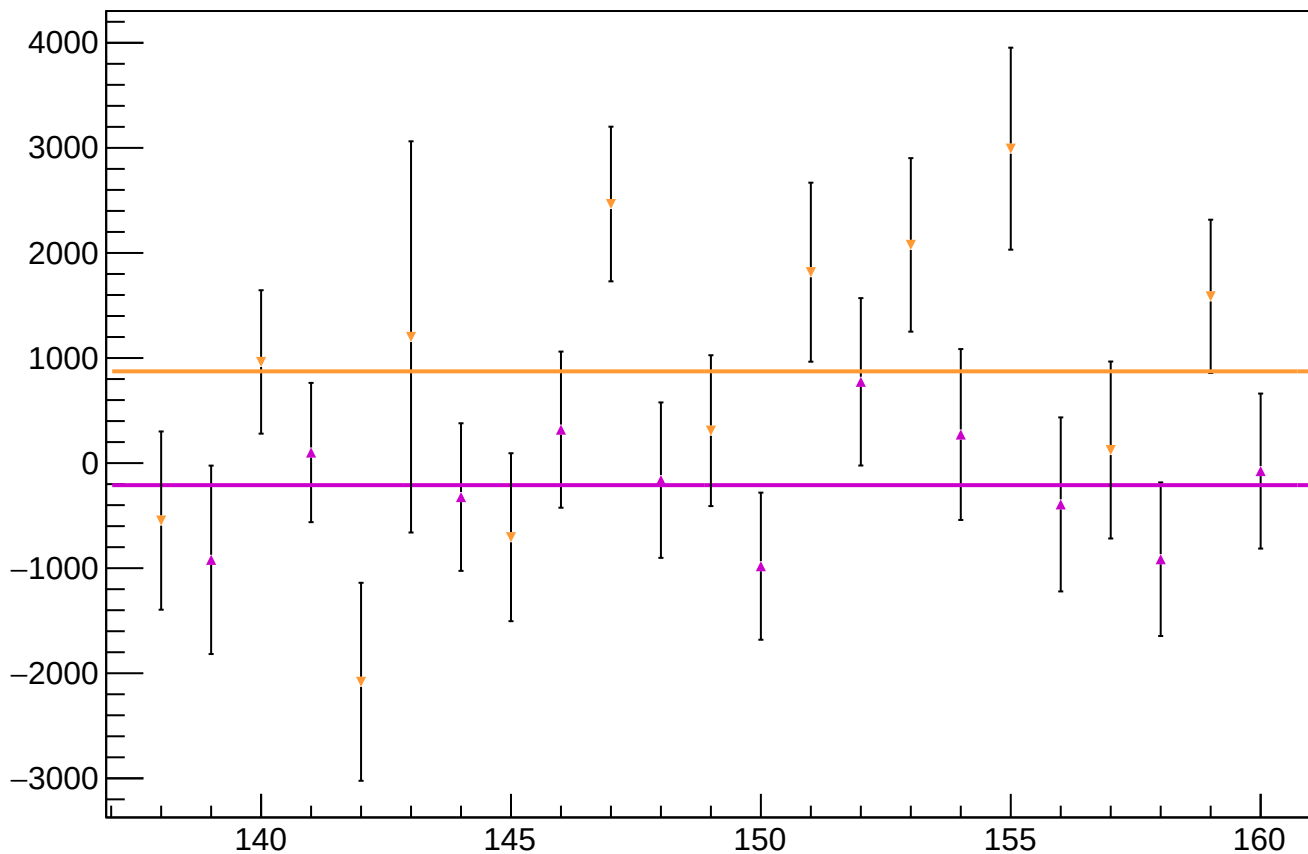
Right: 1326.657 $\pm$ 0.259 χ^2 /NDF: 998136.6/35

In: 1319.090 $\pm$ 0.238 χ^2 /NDF:631922.0/27

Out: 1331.987 $\pm$ 0.239 χ^2 /NDF:641666.5/30

All: 1325.511 $\pm$ 0.169 χ^2 /NDF: 1275049.7/58

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 873.385 $\pm$ 238.908 χ^2 /NDF:31.8/11

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

Left In: -209.750 $\pm$ 226.544 χ^2 /NDF:5.5/10

Left: 303.066 $\pm$ 164.388 χ^2 /NDF: 48.2/22

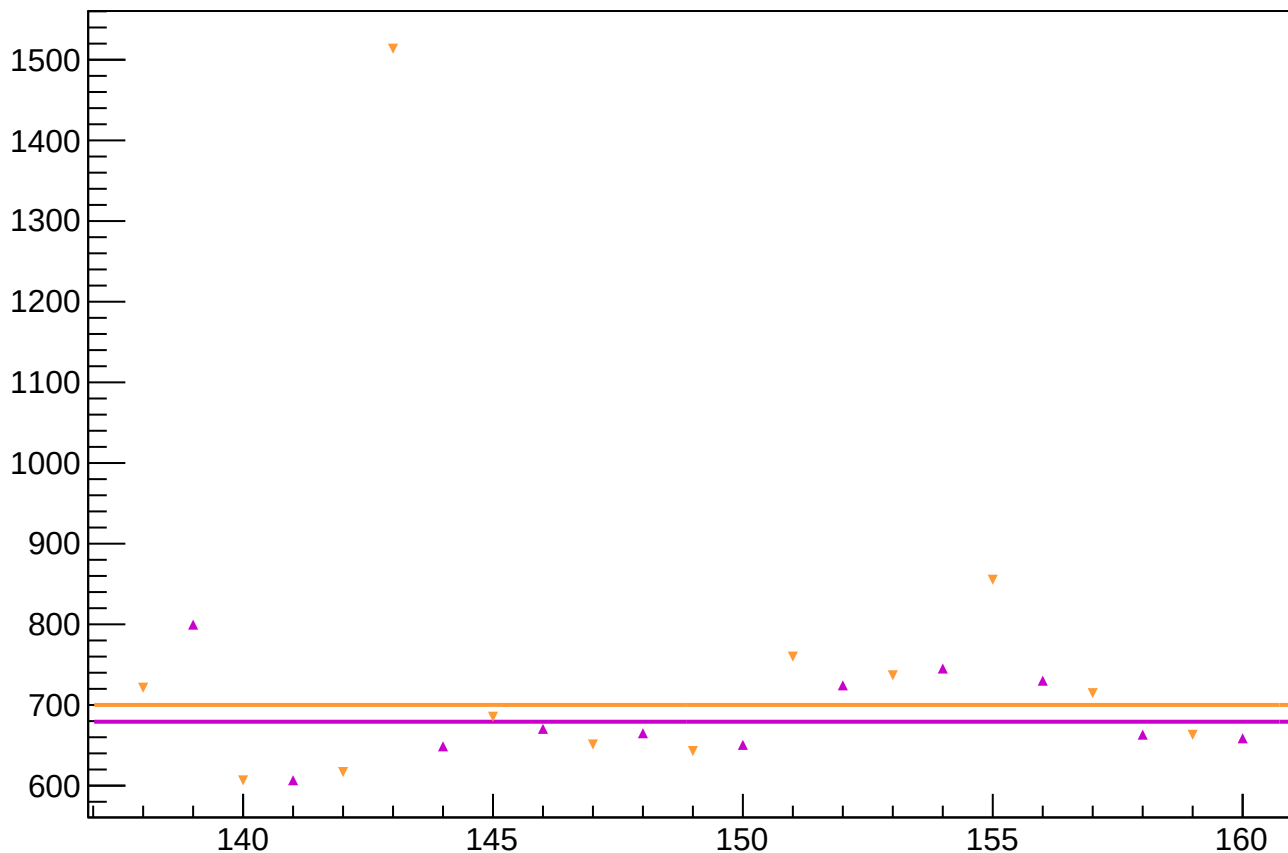
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -209.750 $\pm$ 226.544 χ^2 /NDF:5.5/10

Out: 873.385 $\pm$ 238.908 χ^2 /NDF:31.8/11

All: 303.066 $\pm$ 164.388 χ^2 /NDF: 48.2/22

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 700.091 $\pm$ 0.169 χ^2/NDF :530445.9/11

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

Left In: 679.240 $\pm$ 0.160 χ^2/NDF :97790.3/10

Left: 689.112 $\pm$ 0.116 χ^2/NDF : 636258.1/22

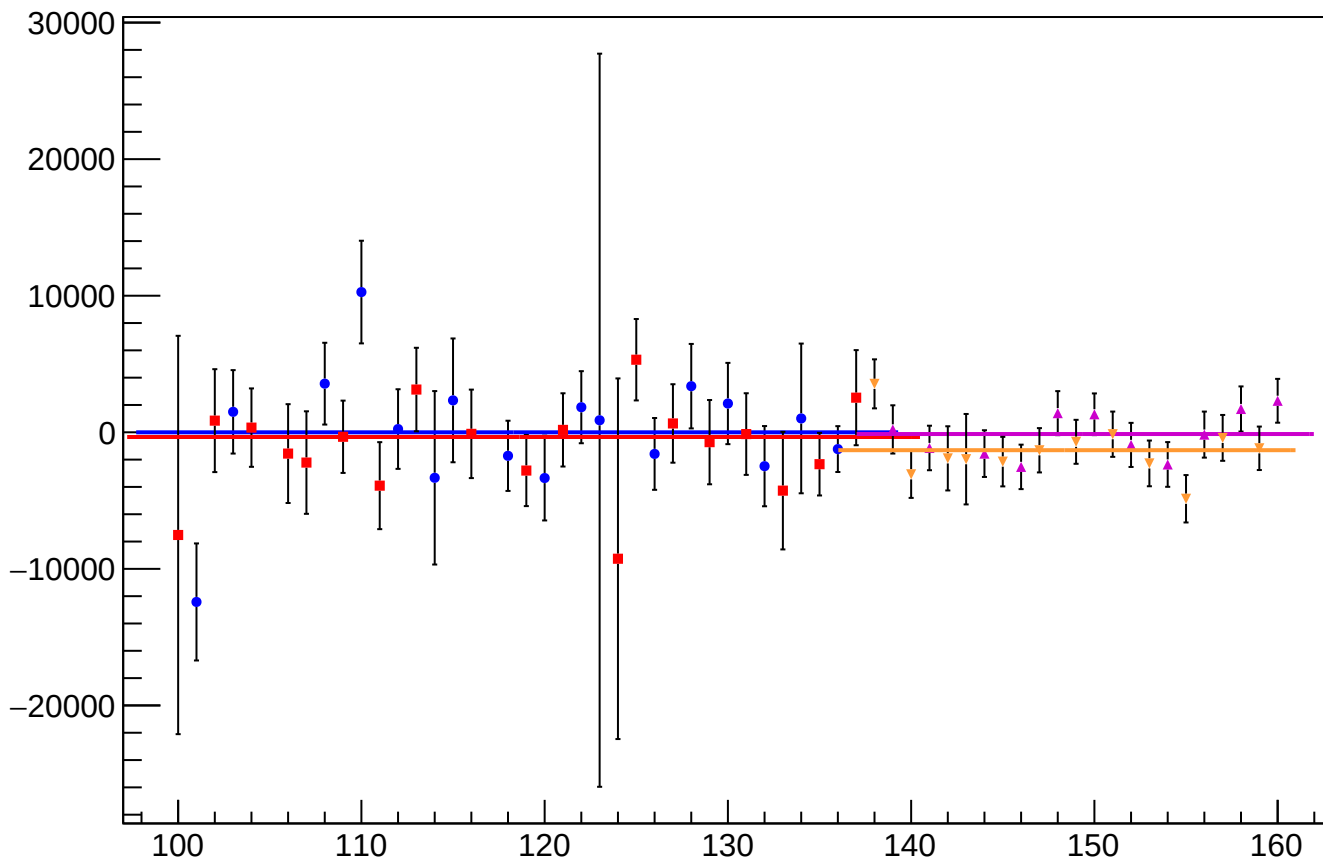
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 679.240 $\pm$ 0.160 χ^2/NDF :97790.3/10

Out: 700.091 $\pm$ 0.169 χ^2/NDF :530445.9/11

All: 689.112 $\pm$ 0.116 χ^2/NDF : 636258.1/22

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -2.204 ± 745.061 χ^2/NDF : 23.5/16

Left Out: -1310.545 ± 513.575 χ^2/NDF : 14.2/11

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

Left In: -126.960 ± 494.246 χ^2/NDF : 10.7/10

Left: -696.062 ± 356.122 χ^2/NDF : 27.7/22

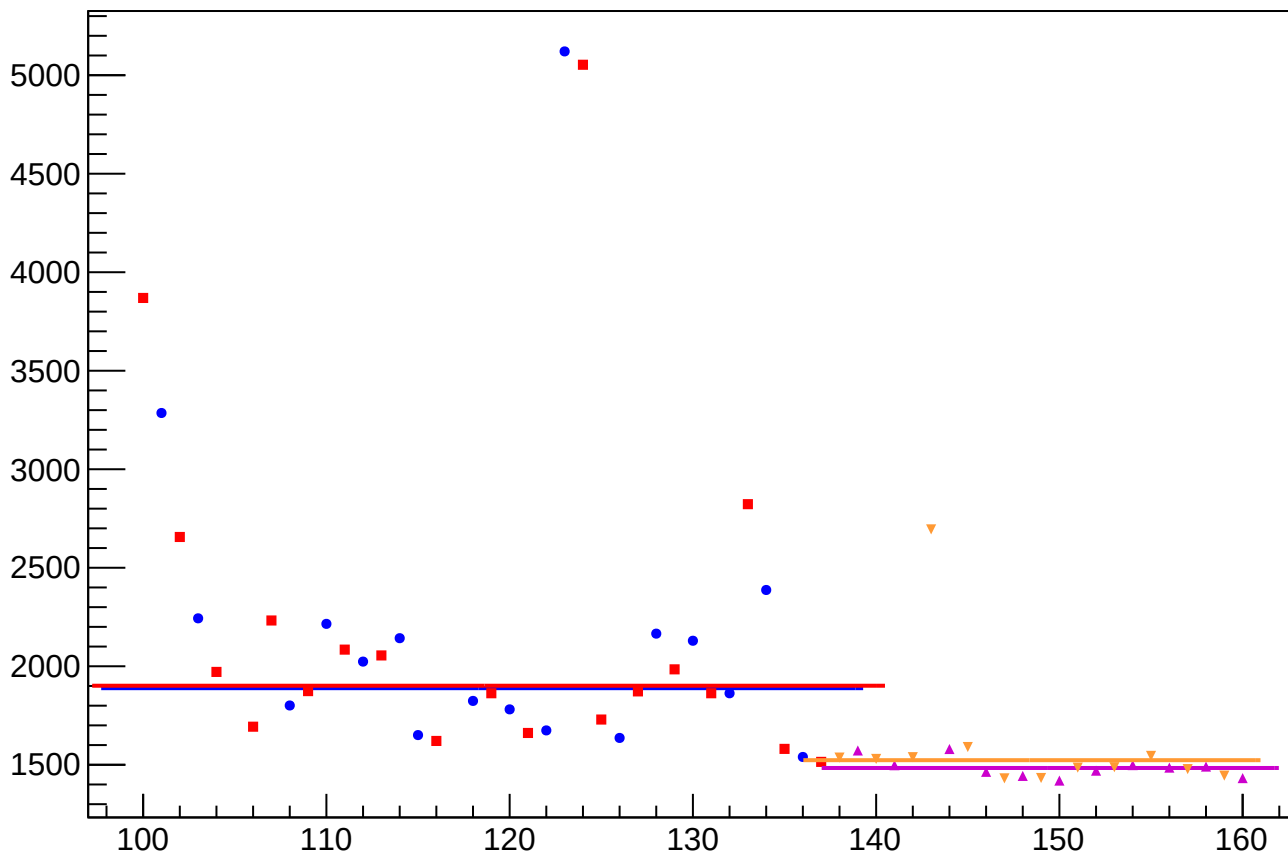
Right: -176.305 ± 522.783 χ^2/NDF : 34.3/35

In: -88.837 ± 411.865 χ^2/NDF : 34.3/27

Out: -993.091 ± 420.745 χ^2/NDF : 26.0/30

All: -531.321 ± 294.322 χ^2/NDF : 62.7/58

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



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

Left Out: 1523.347+/-0.363 χ^2/NDF : 274567.8/11

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

Left In: 1483.753+/-0.349 χ^2/NDF : 18982.1/10

Left: 1502.791+/-0.252 χ^2/NDF : 299721.5/22

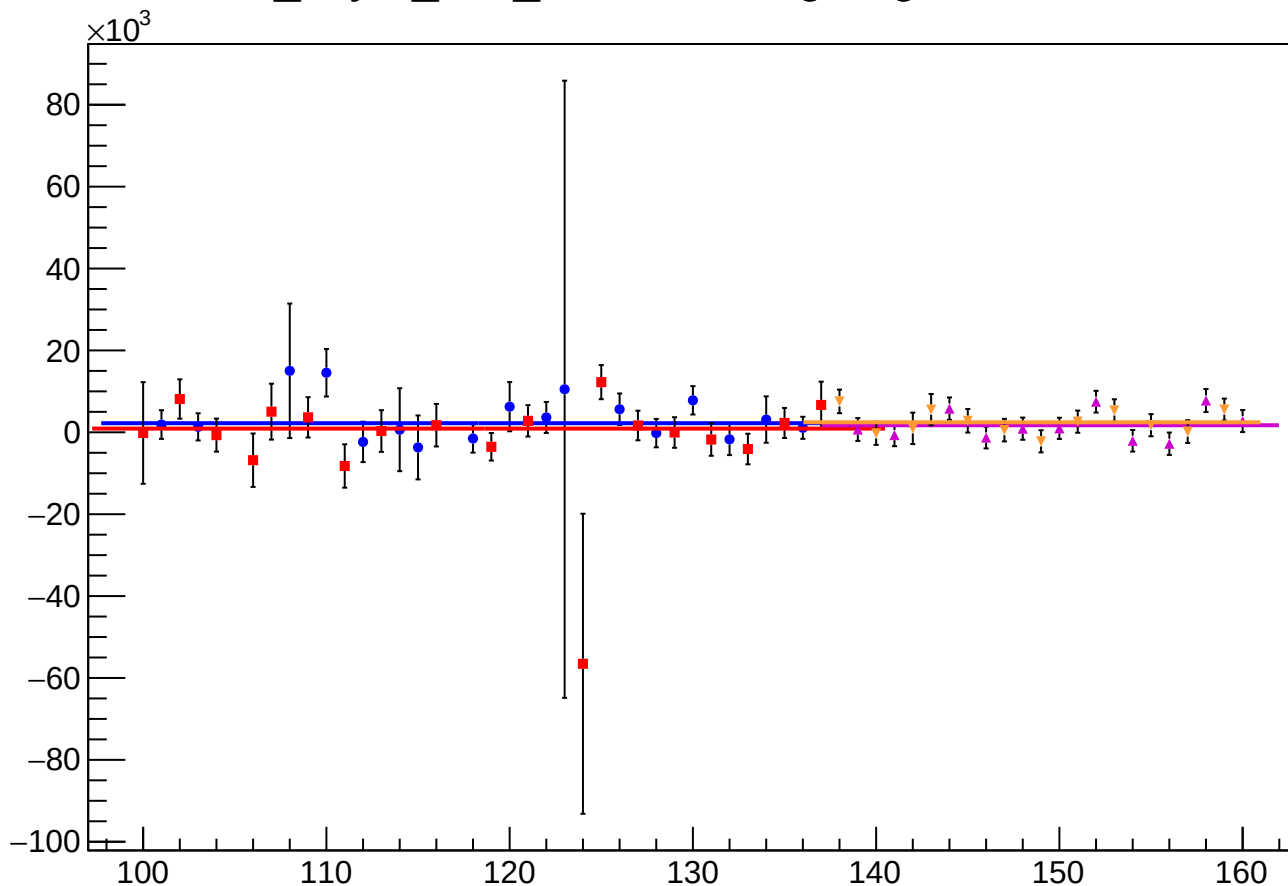
Right: 1895.125+/-0.370 χ^2/NDF : 927550.0/35

In: 1607.532+/-0.291 χ^2/NDF : 895317.2/27

Out: 1647.616+/-0.298 χ^2/NDF : 1092083.3/30

All: 1627.146+/-0.208 χ^2/NDF : 1996670.3/58

dit_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2446.125 $\pm$ 831.017 χ^2 /NDF:11.5/11

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

Left In: 1727.436 $\pm$ 814.022 χ^2 /NDF:18.8/10

Left: 2079.356 $\pm$ 581.516 χ^2 /NDF: 30.7/22

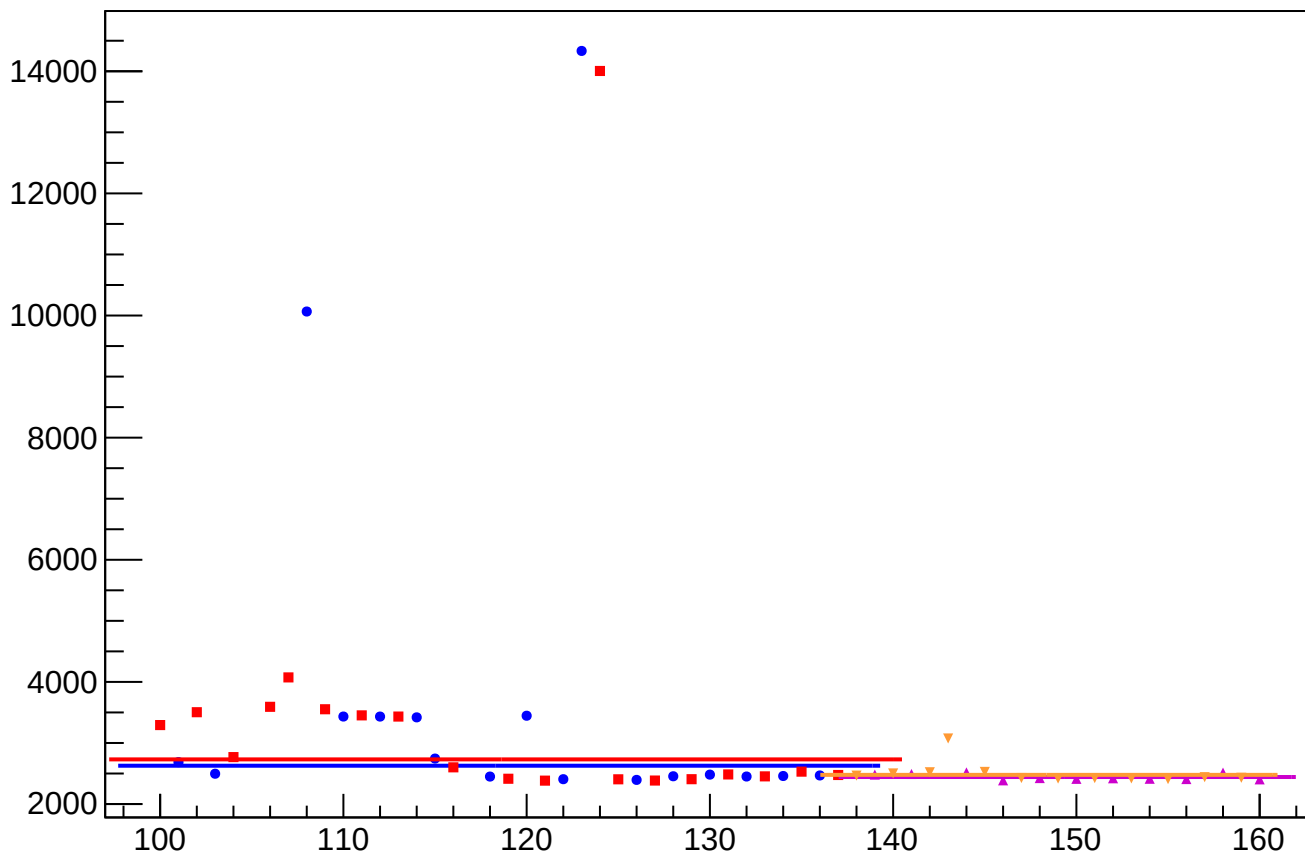
Right: 1572.479 $\pm$ 737.556 χ^2 /NDF: 37.3/35

In: 1917.577 $\pm$ 640.847 χ^2 /NDF:32.5/27

Out: 1851.499 $\pm$ 650.878 χ^2 /NDF:35.7/30

All: 1885.051 $\pm$ 456.652 χ^2 /NDF: 68.3/58

dit_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2477.785+/-0.588 χ^2/NDF : 55566.8/11

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

Left In: 2442.596+/-0.576 χ^2/NDF : 6180.6/10

Left: 2459.827+/-0.411 χ^2/NDF : 63577.5/22

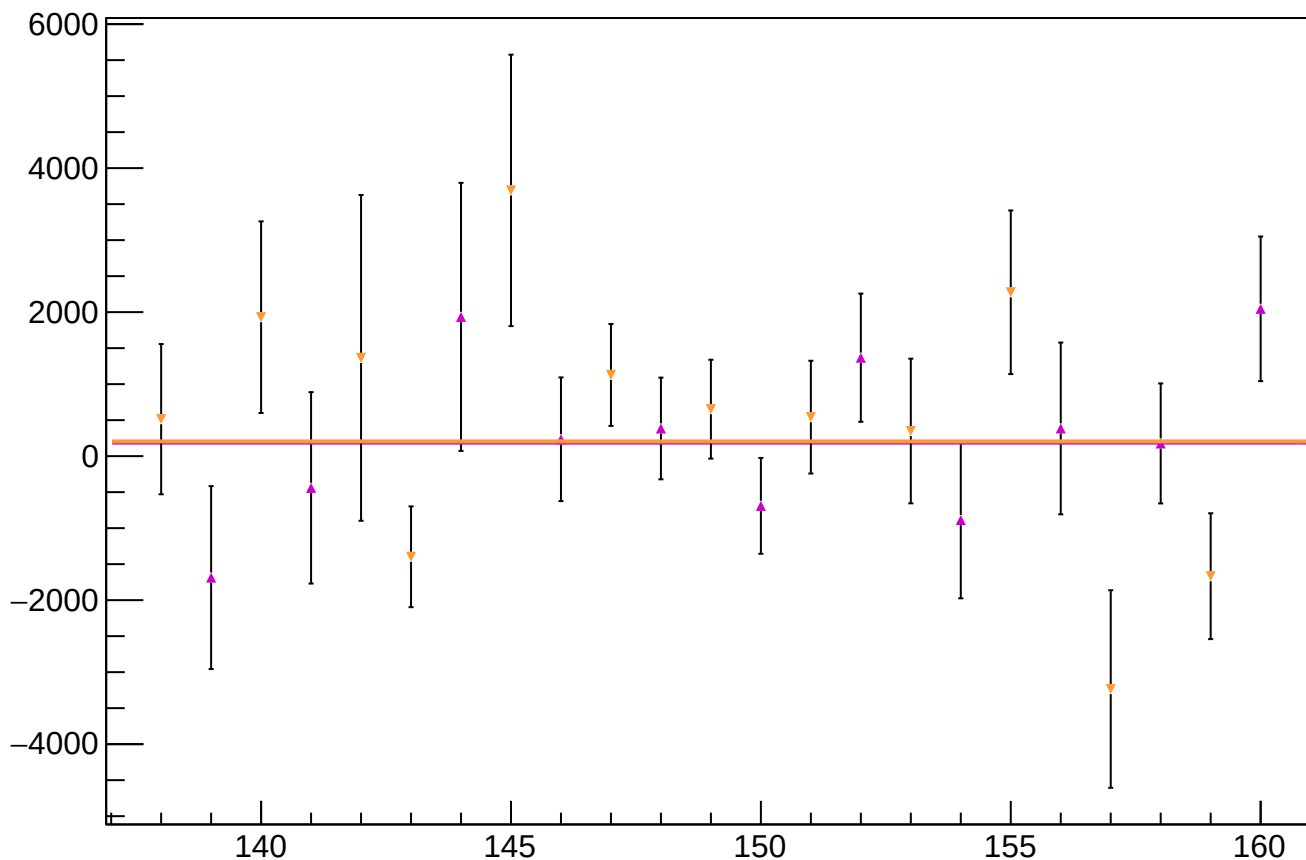
Right: 2679.043+/-0.522 χ^2/NDF : 1252488.0/35

In: 2512.927+/-0.453 χ^2/NDF : 689843.3/27

Out: 2575.770+/-0.460 χ^2/NDF : 725706.8/30

All: 2543.861+/-0.323 χ^2/NDF : 1425016.9/58

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 204.687+/-273.601 χ^2/NDF :27.2/11

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

Left In: 188.226+/-284.758 χ^2/NDF :11.3/10

Left: 196.785+/-197.291 χ^2/NDF : 38.5/22

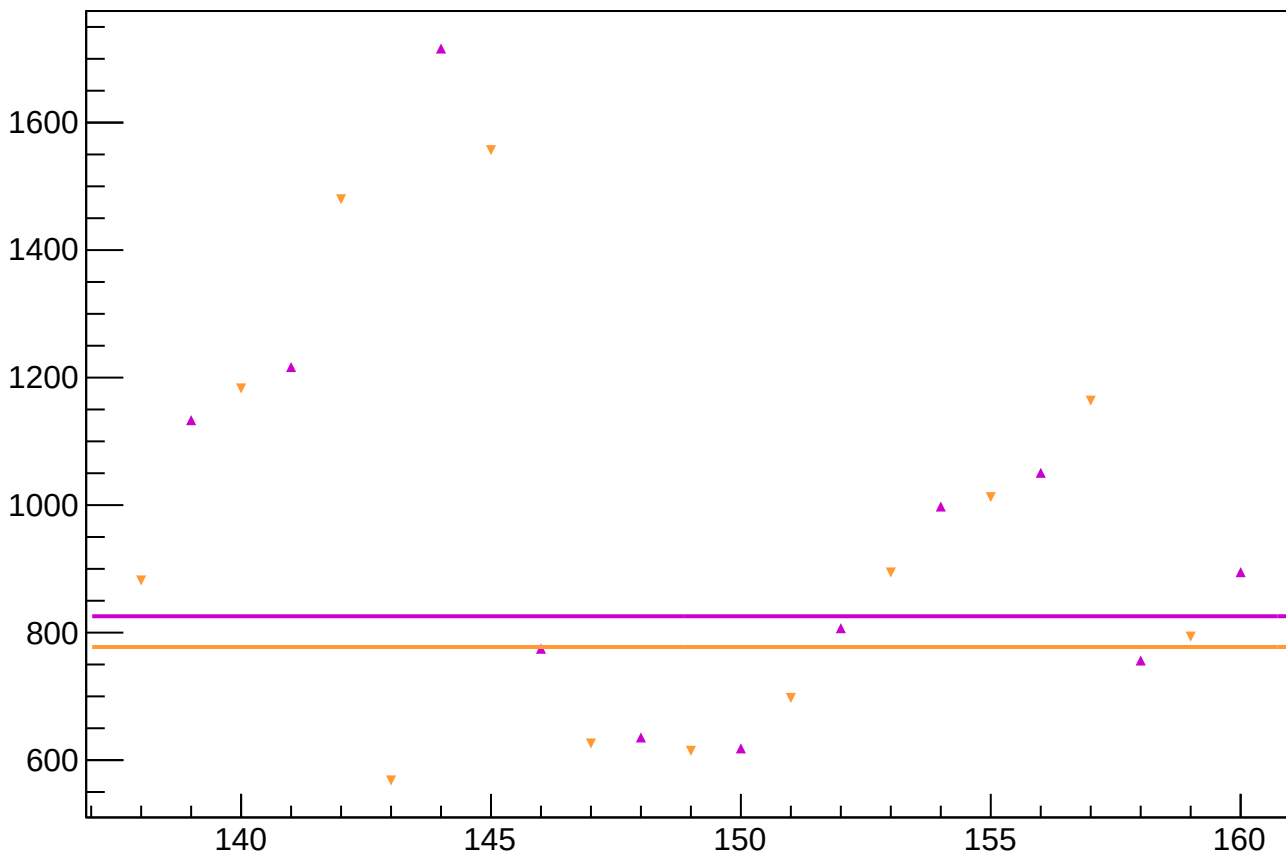
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 188.226+/-284.758 χ^2/NDF :11.3/10

Out: 204.687+/-273.601 χ^2/NDF :27.2/11

All: 196.785+/-197.291 χ^2/NDF : 38.5/22

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 777.456+/-0.193 χ^2/NDF :1416166.8/11

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

Left In: 825.665+/-0.201 χ^2/NDF :1239112.1/10

Left: 800.598+/-0.140 χ^2/NDF : 2685085.8/22

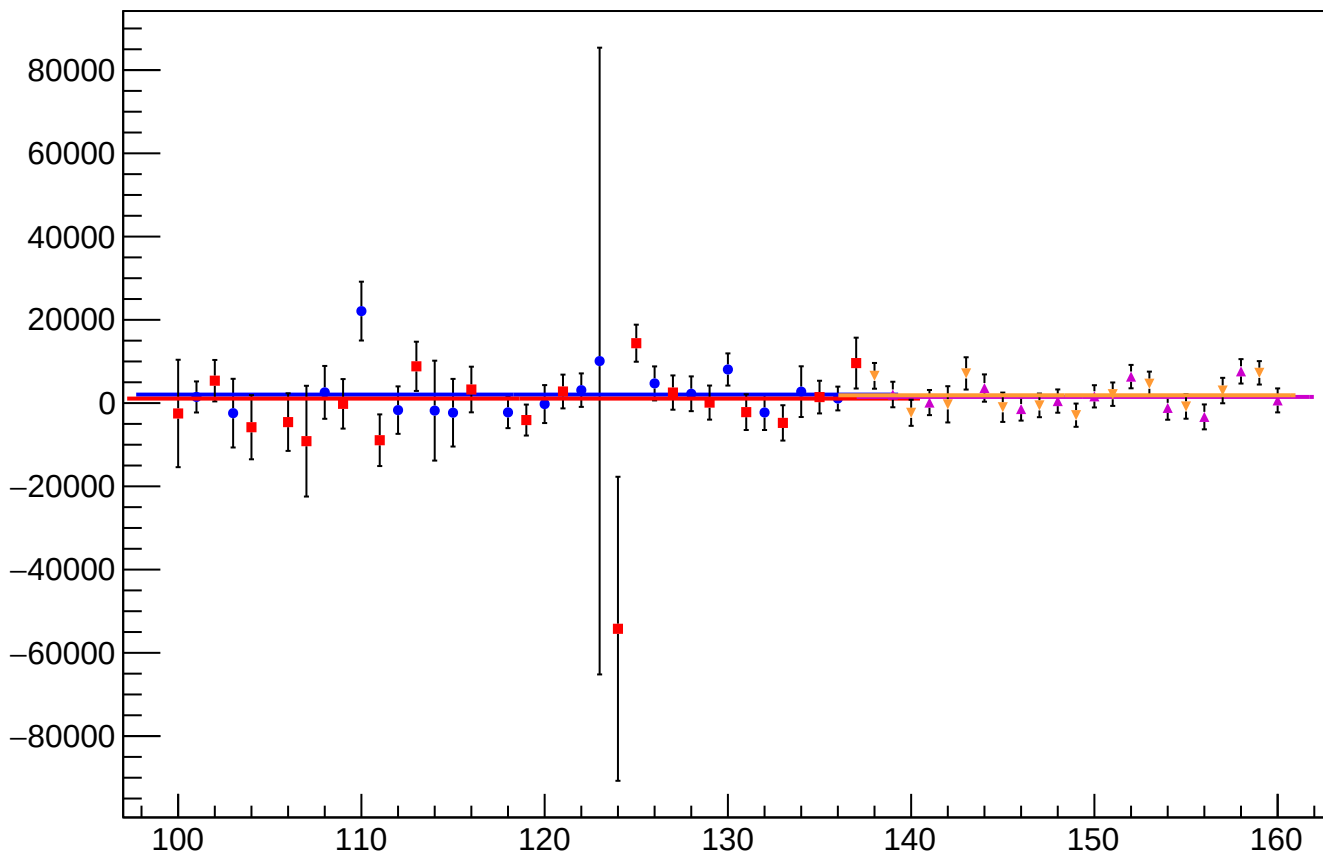
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 825.665+/-0.201 χ^2/NDF :1239112.1/10

Out: 777.456+/-0.193 χ^2/NDF :1416166.8/11

All: 800.598+/-0.140 χ^2/NDF : 2685085.8/22

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2037.803+/-1151.419 χ^2/NDF : 14.8/16

Left Out: 1878.257+/-893.737 χ^2/NDF :16.1/11

Right Out: 1080.125+/-1186.666 χ^2/NDF : 25.3/18

Left In: 1481.629+/-875.626 χ^2/NDF :12.8/10

Left: 1675.883+/-625.466 χ^2/NDF : 29.0/22

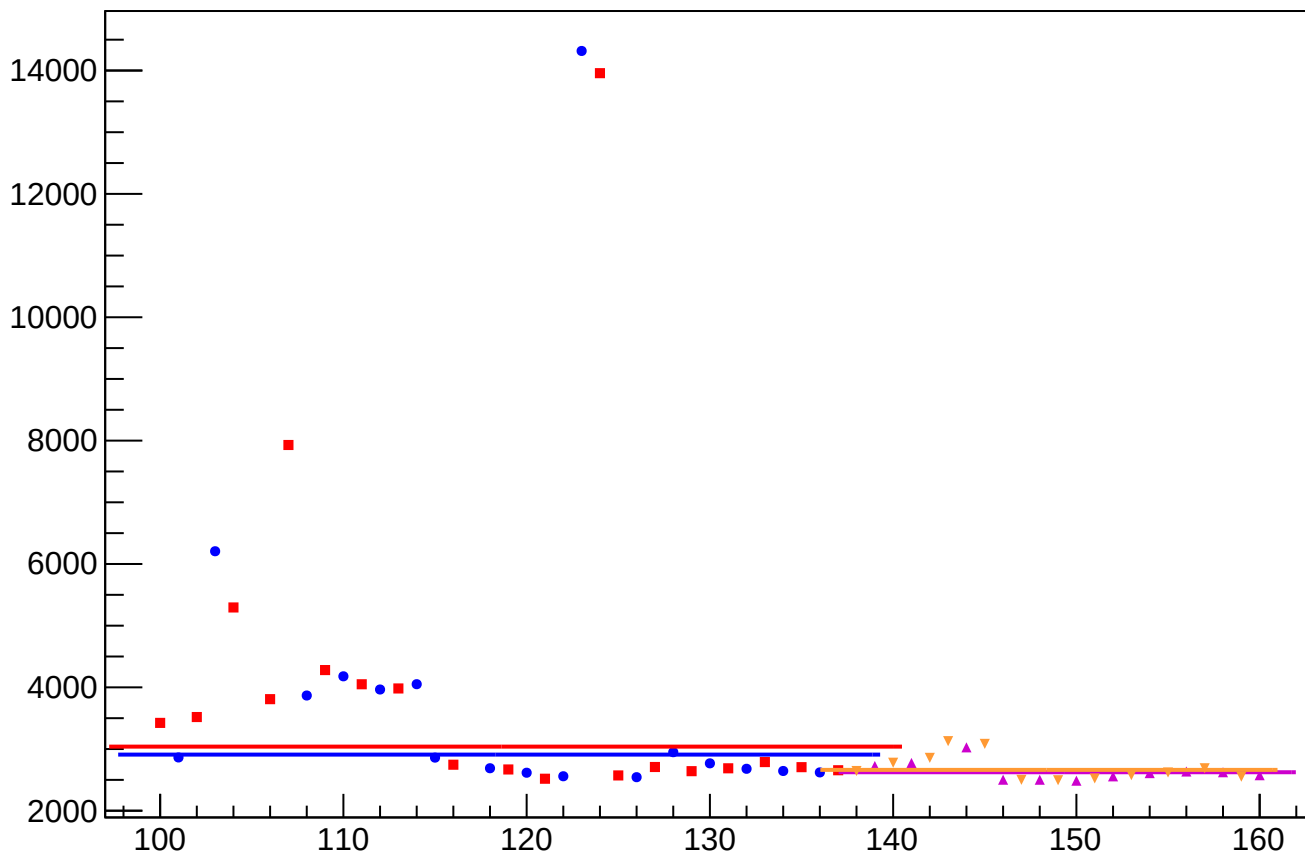
Right: 1573.398+/-826.356 χ^2/NDF : 40.5/35

In: 1685.420+/-696.981 χ^2/NDF :27.8/27

Out: 1589.386+/-713.909 χ^2/NDF :41.7/30

All: 1638.555+/-498.717 χ^2/NDF : 69.5/58

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2909.732 ± 0.814 $\chi^2/\text{NDF}: 641894.7/16$

Left Out: 2661.937 ± 0.632 $\chi^2/\text{NDF}: 88133.6/11$

Right Out: 3039.118 ± 0.839 $\chi^2/\text{NDF}: 1011306.5/18$

Left In: 2623.786 ± 0.619 $\chi^2/\text{NDF}: 51996.1/10$

Left: 2642.471 ± 0.442 $\chi^2/\text{NDF}: 141989.1/22$

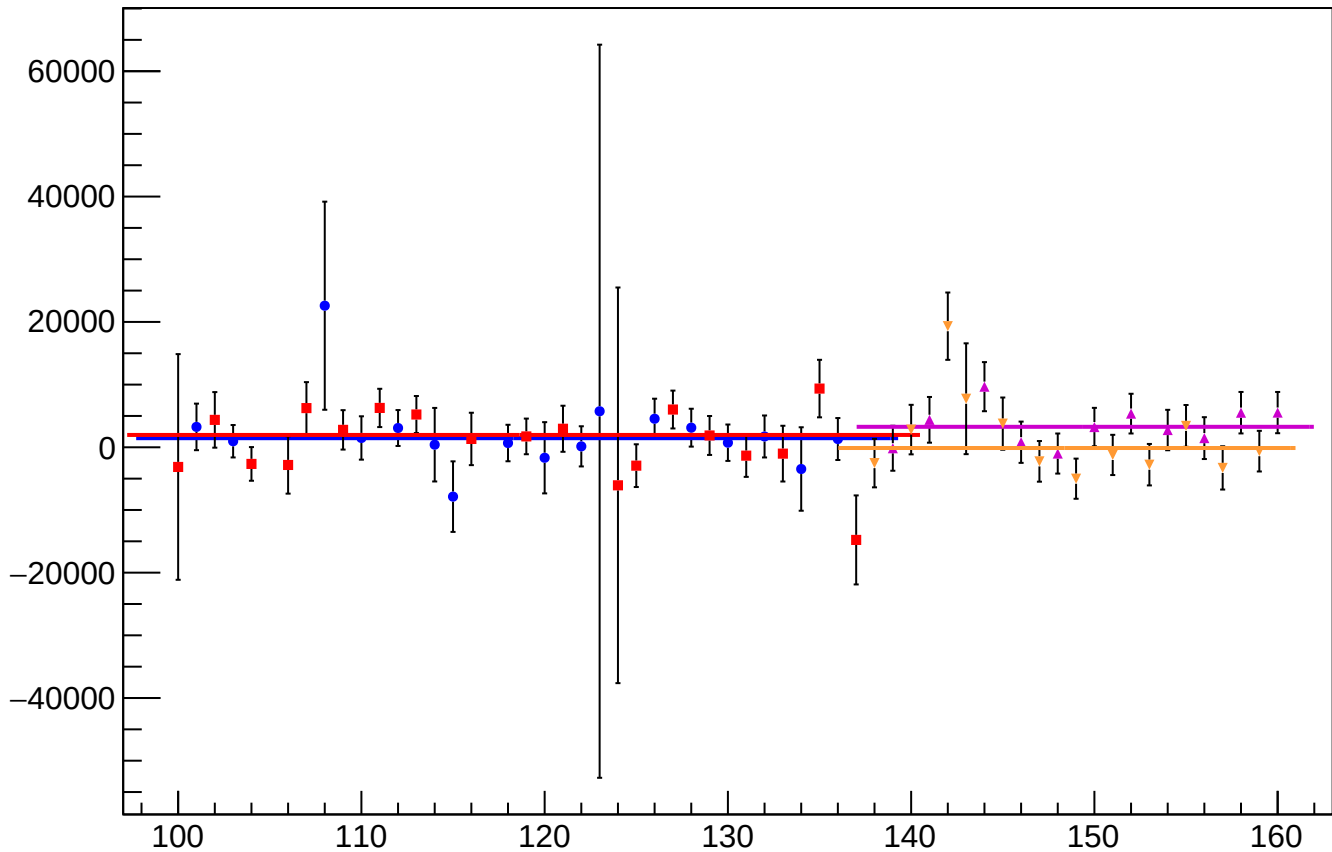
Right: 2972.475 ± 0.584 $\chi^2/\text{NDF}: 1665447.8/35$

In: 2728.561 ± 0.493 $\chi^2/\text{NDF}: 772042.1/27$

Out: 2798.451 ± 0.505 $\chi^2/\text{NDF}: 1228365.5/30$

All: 2762.668 ± 0.353 $\chi^2/\text{NDF}: 2010221.5/58$

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1451.980+/-889.008 χ^2/NDF : 7.4/16

Left Out: -114.644+/-1062.410 χ^2/NDF :21.2/11

Right Out: 1969.182+/-850.490 χ^2/NDF : 22.4/18

Left In: 3267.734+/-1008.137 χ^2/NDF :7.7/10

Left: 1665.144+/-731.295 χ^2/NDF : 34.3/22

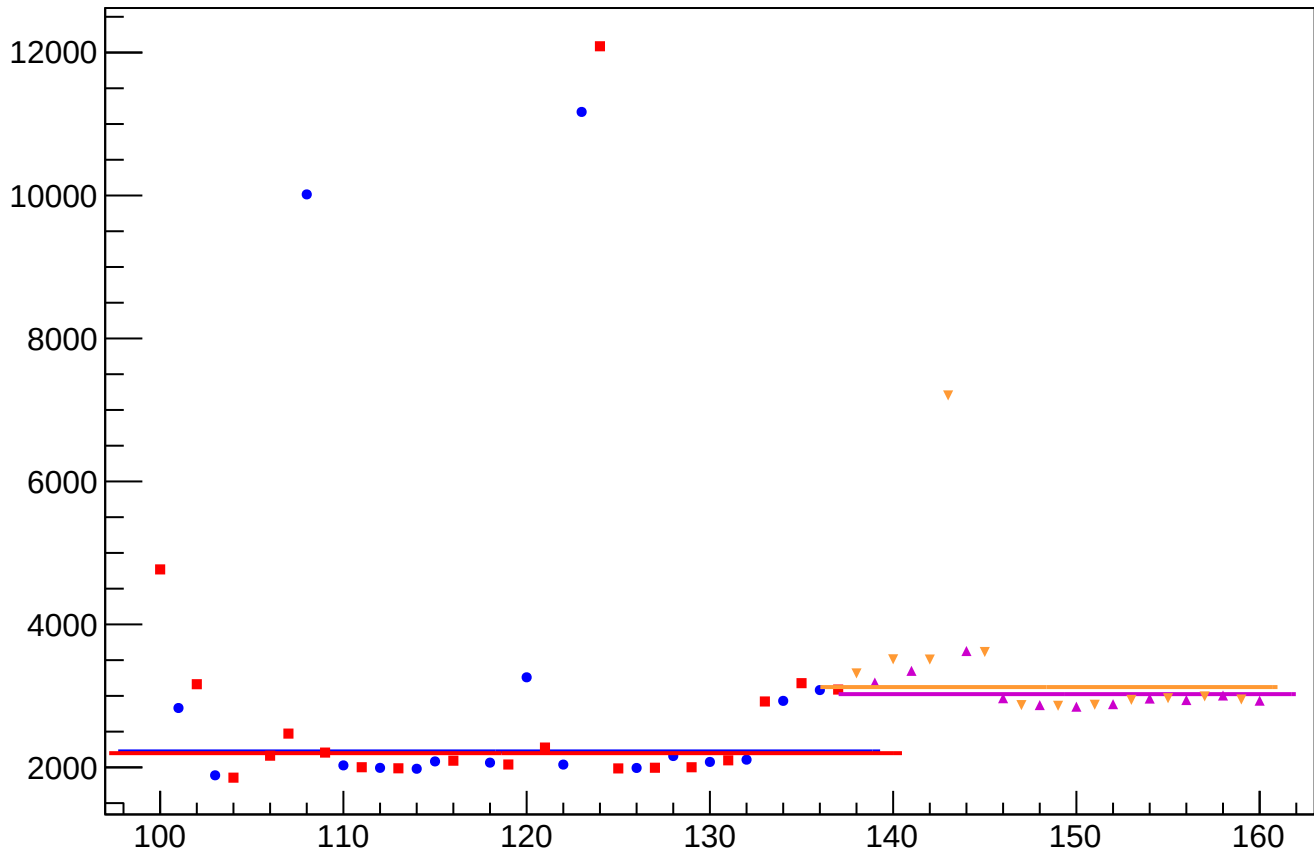
Right: 1722.028+/-614.553 χ^2/NDF : 30.0/35

In: 2246.287+/-666.784 χ^2/NDF :16.9/27

Out: 1155.326+/-663.950 χ^2/NDF :46.0/30

All: 1698.483+/-470.482 χ^2/NDF : 64.2/58

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2223.132+/-0.629 χ^2/NDF : 850289.4/16

Left Out: 3123.253+/-0.751 χ^2/NDF :544380.1/11

Right Out: 2198.760+/-0.601 χ^2/NDF : 602418.1/18

Left In: 3024.561+/-0.713 χ^2/NDF :86696.1/10

Left: 3071.322+/-0.517 χ^2/NDF : 640157.7/22

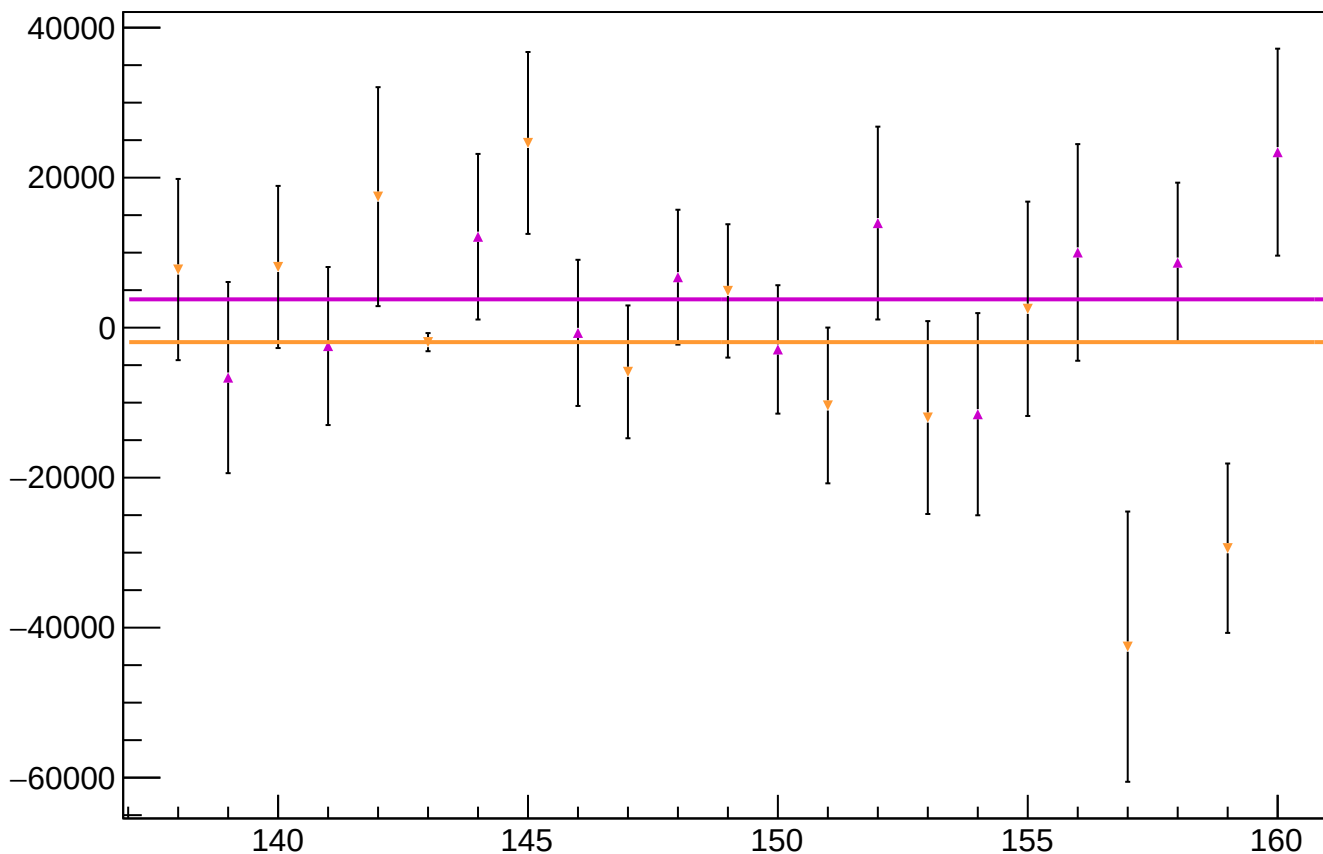
Right: 2210.398+/-0.434 χ^2/NDF : 1453492.9/35

In: 2573.719+/-0.471 χ^2/NDF :1648002.6/27

Out: 2559.510+/-0.469 χ^2/NDF :2070284.9/30

All: 2566.581+/-0.333 χ^2/NDF : 3718743.7/58

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1929.983+/-1141.116 χ^2/NDF :21.2/11

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

Left In: 3773.932+/-3327.493 χ^2/NDF :6.9/10

Left: -1329.764+/-1079.408 χ^2/NDF : 30.7/22

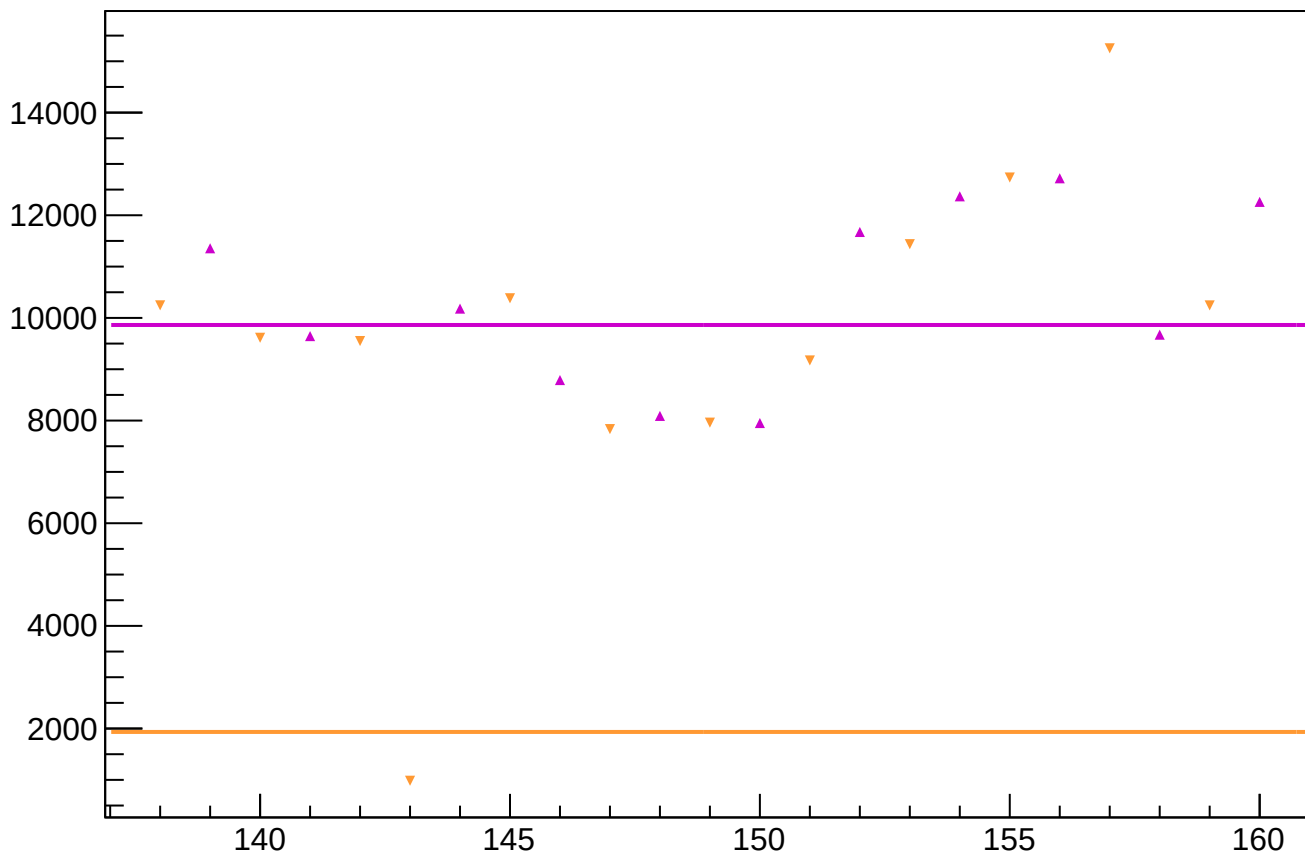
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3773.932+/-3327.493 χ^2/NDF :6.9/10

Out: -1929.983+/-1141.116 χ^2/NDF :21.2/11

All: -1329.764+/-1079.408 χ^2/NDF : 30.7/22

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1933.830+/-0.807 χ^2/NDF :11897623.9/11

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

Left In: 9862.340+/-2.353 χ^2/NDF :479714.4/10

Left: 2768.142+/-0.763 χ^2/NDF : 22537266.6/22

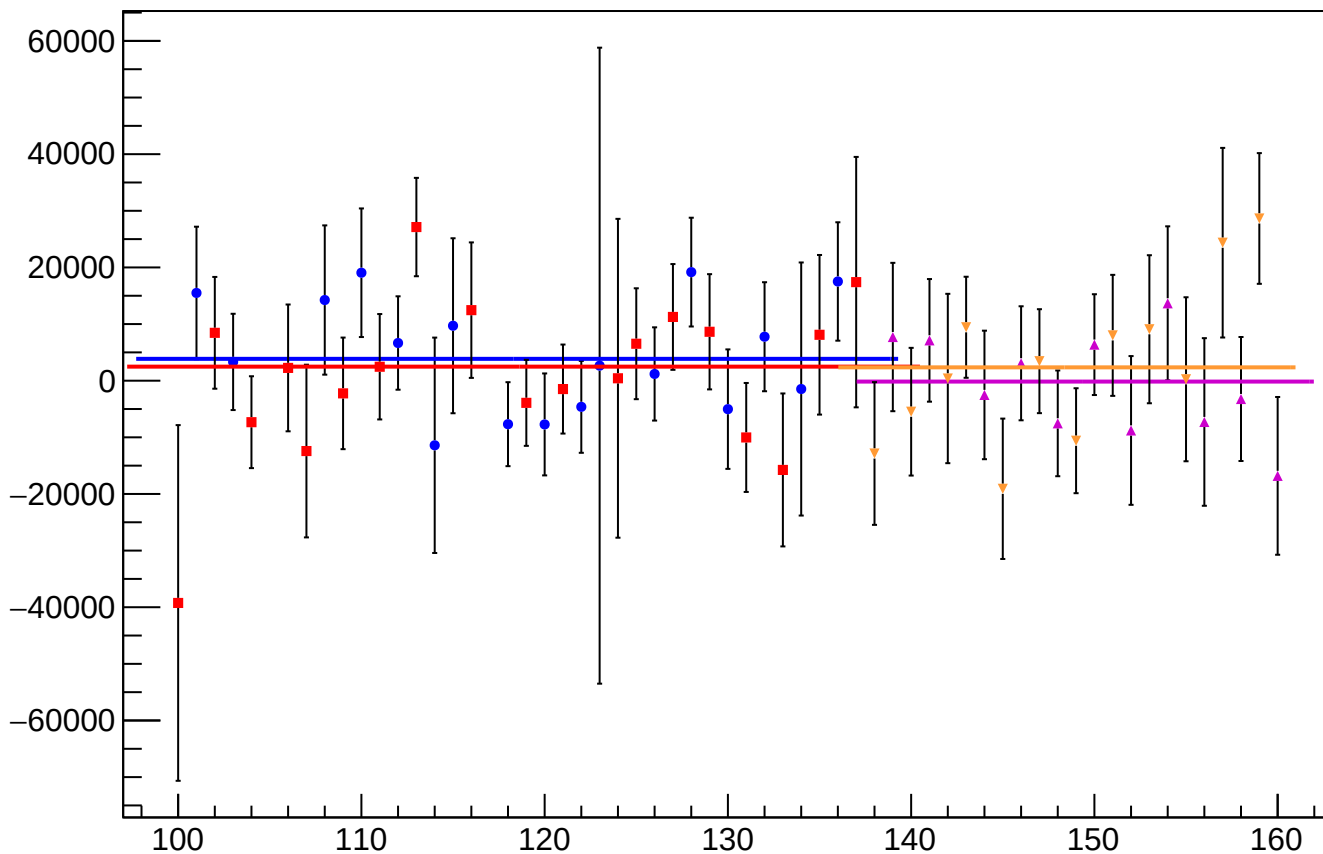
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9862.340+/-2.353 χ^2/NDF :479714.4/10

Out: 1933.830+/-0.807 χ^2/NDF :11897623.9/11

All: 2768.142+/-0.763 χ^2/NDF : 22537266.6/22

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3859.866 $\pm$ 2508.782 χ^2 /NDF: 14.8/16

Left Out: 2356.043 $\pm$ 3302.553 χ^2 /NDF:15.0/11

Right Out: 2482.925 $\pm$ 2421.310 χ^2 /NDF: 20.0/18

Left In: -155.830 $\pm$ 3422.850 χ^2 /NDF:5.3/10

Left: 1145.022 $\pm$ 2376.648 χ^2 /NDF: 20.6/22

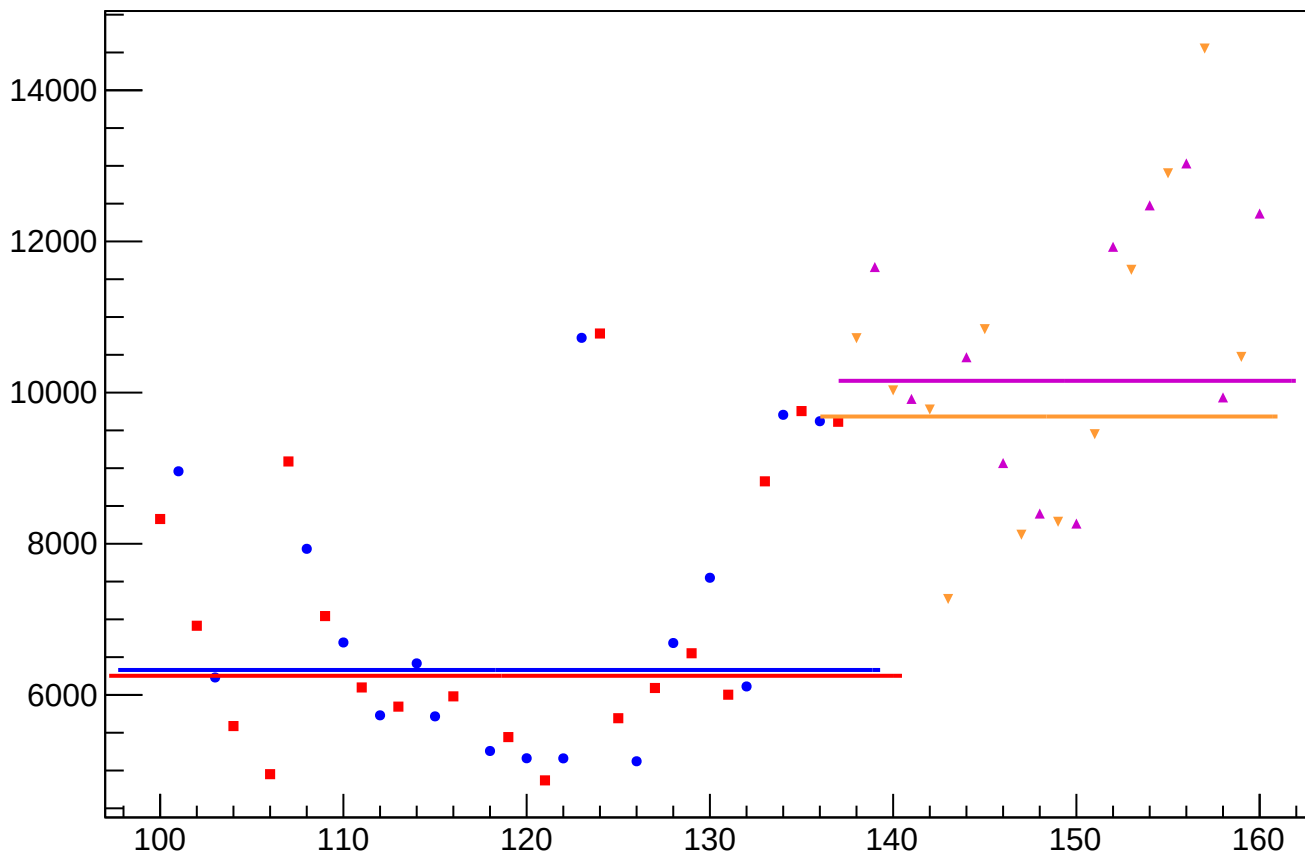
Right: 3146.972 $\pm$ 1742.228 χ^2 /NDF: 35.0/35

In: 2456.485 $\pm$ 2023.463 χ^2 /NDF:21.0/27

Out: 2438.566 $\pm$ 1952.715 χ^2 /NDF:35.1/30

All: 2447.207 $\pm$ 1405.124 χ^2 /NDF: 56.1/58

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6330.291+/-1.774 χ^2/NDF : 593395.6/16

Left Out: 9683.674+/-2.335 χ^2/NDF : 604840.1/11

Right Out: 6253.330+/-1.712 χ^2/NDF : 535355.5/18

Left In: 10155.900+/-2.420 χ^2/NDF : 434642.3/10

Left: 9911.343+/-1.681 χ^2/NDF : 1059196.8/22

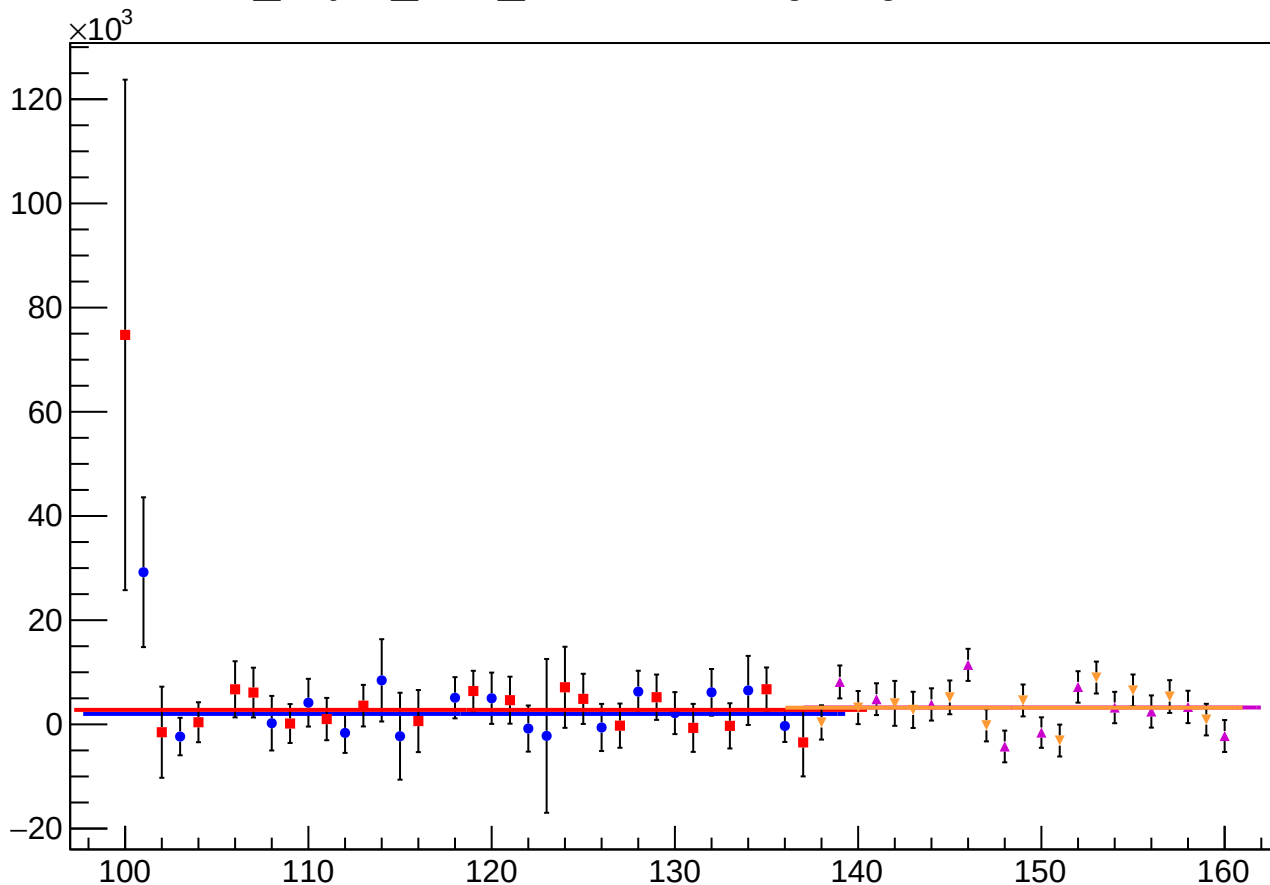
Right: 6290.444+/-1.232 χ^2/NDF : 1129725.5/35

In: 7667.234+/-1.431 χ^2/NDF : 2653292.9/27

Out: 7452.525+/-1.381 χ^2/NDF : 2543644.3/30

All: 7556.057+/-0.994 χ^2/NDF : 5208597.5/58

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2005.383+/-1134.240 χ^2/NDF : 12.1/16

Left Out: 3201.525+/-926.816 χ^2/NDF : 12.6/11

Right Out: 2781.006+/-1086.164 χ^2/NDF : 9.9/18

Left In: 3237.719+/-922.013 χ^2/NDF : 23.5/10

Left: 3219.716+/-653.653 χ^2/NDF : 36.1/22

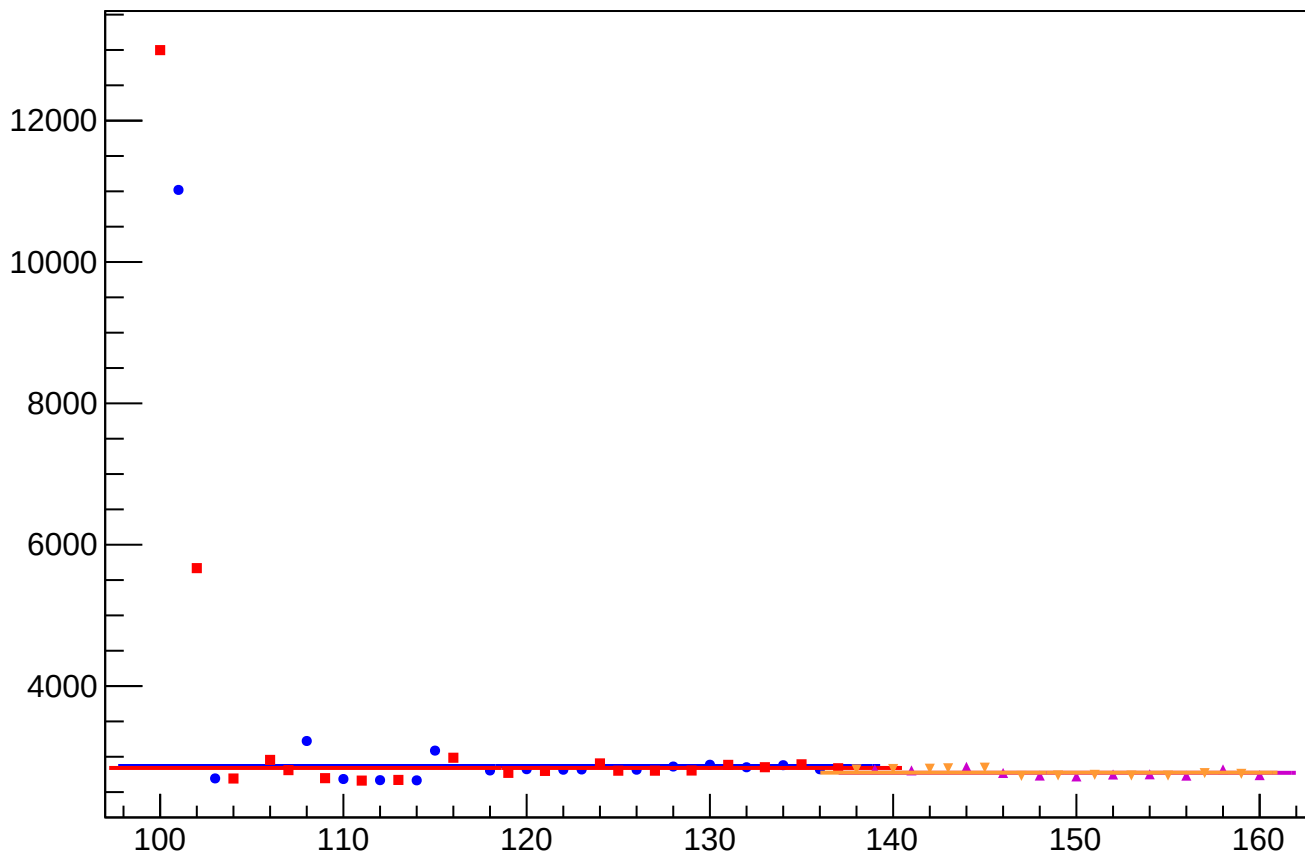
Right: 2409.980+/-784.479 χ^2/NDF : 22.2/35

In: 2747.400+/-715.450 χ^2/NDF : 36.3/27

Out: 3024.346+/-705.030 χ^2/NDF : 22.6/30

All: 2887.905+/-502.175 χ^2/NDF : 58.9/58

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2869.197+/-0.802 χ^2/NDF : 669900.5/16

Left Out: 2775.291+/-0.655 χ^2/NDF : 4624.0/11

Right Out: 2841.561+/-0.768 χ^2/NDF : 312523.0/18

Left In: 2772.637+/-0.652 χ^2/NDF : 4462.6/10

Left: 2773.957+/-0.462 χ^2/NDF : 9094.8/22

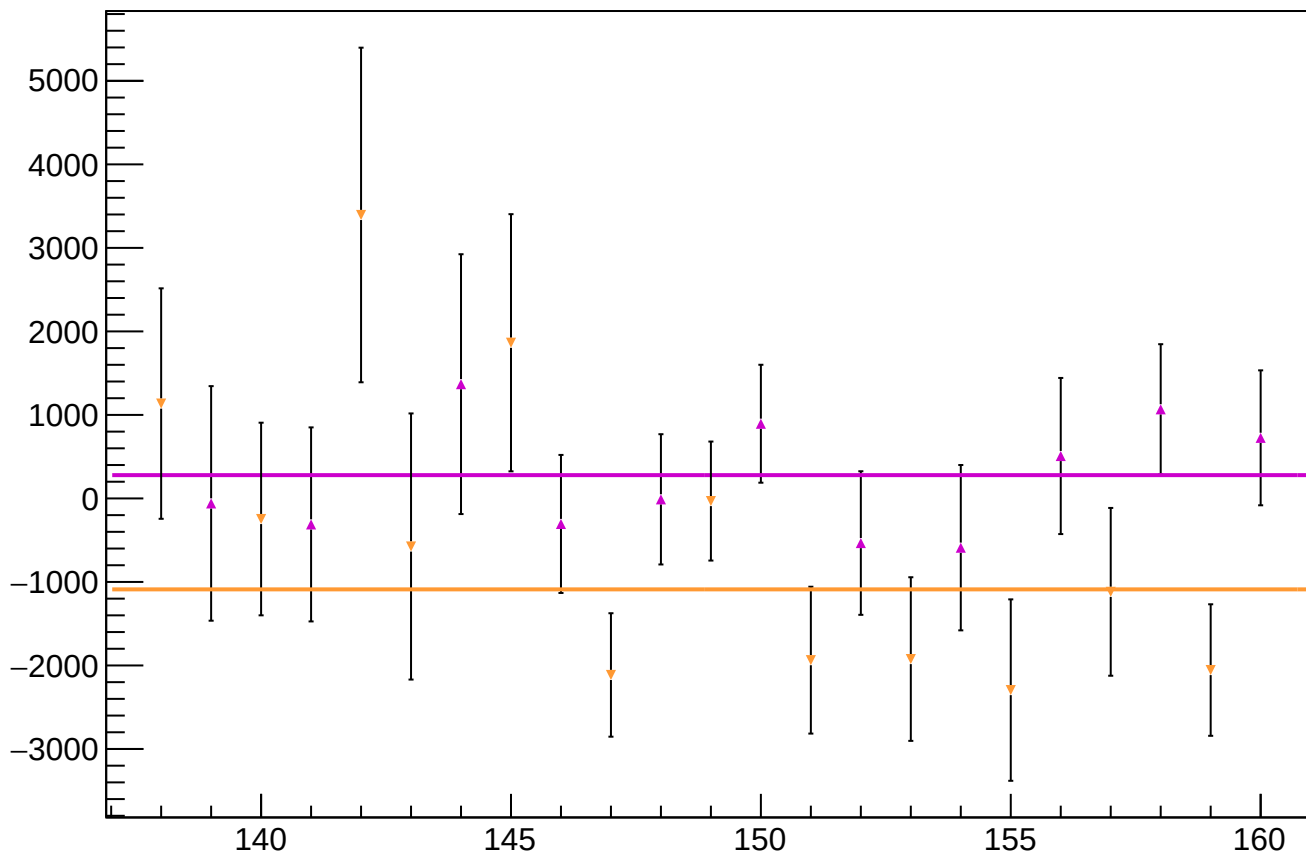
Right: 2854.781+/-0.555 χ^2/NDF : 983042.8/35

In: 2811.056+/-0.506 χ^2/NDF : 683090.8/27

Out: 2803.213+/-0.499 χ^2/NDF : 321455.1/30

All: 2807.077+/-0.355 χ^2/NDF : 1004667.8/58

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -1088.955+/-289.537 χ^2/NDF :20.4/11

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

Left In: 278.970+/-272.456 χ^2/NDF :5.3/10

Left: -363.453+/-198.419 χ^2/NDF : 37.5/22

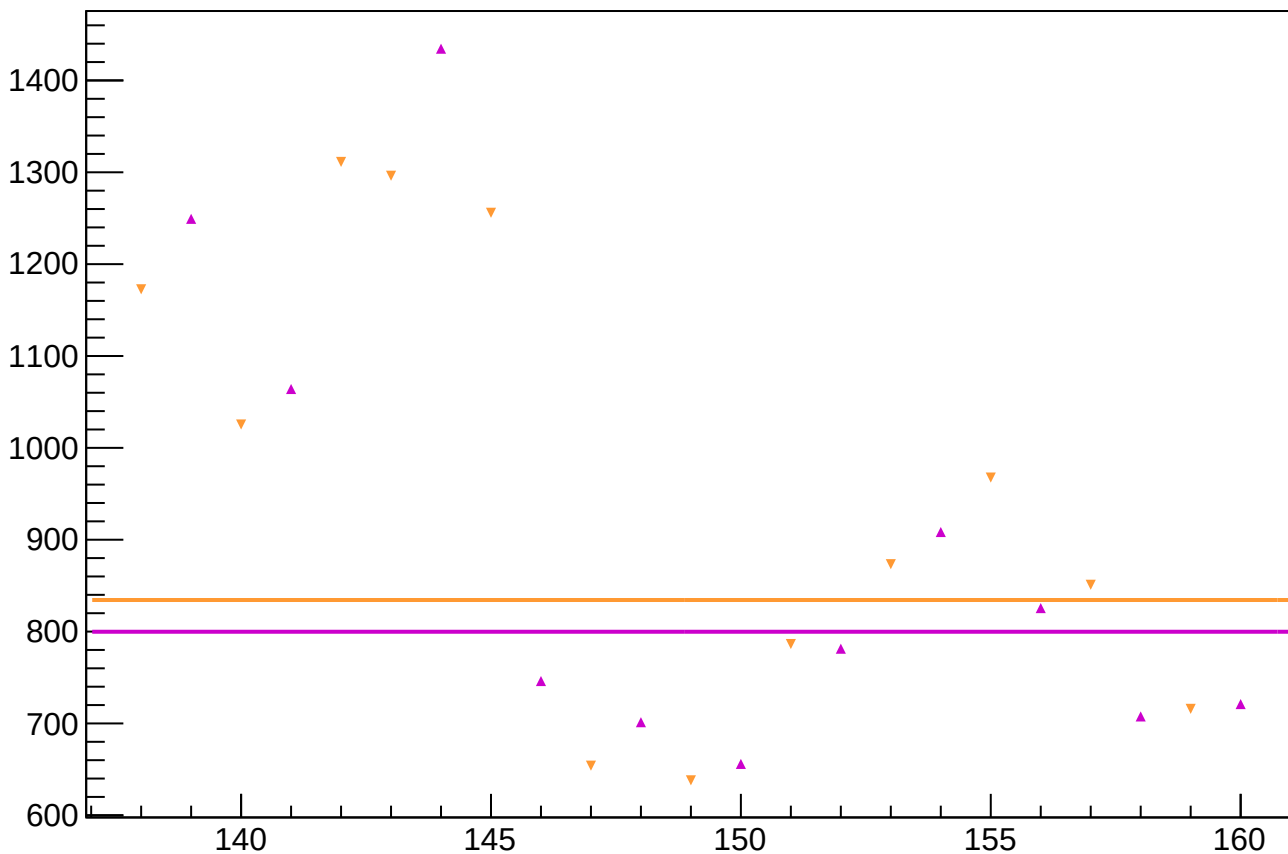
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 278.970+/-272.456 χ^2/NDF :5.3/10

Out: -1088.955+/-289.537 χ^2/NDF :20.4/11

All: -363.453+/-198.419 χ^2/NDF : 37.5/22

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 834.375+/-0.205 χ^2/NDF :962398.3/11

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

Left In: 799.818+/-0.193 χ^2/NDF :838231.0/10

Left: 816.047+/-0.140 χ^2/NDF : 1815739.6/22

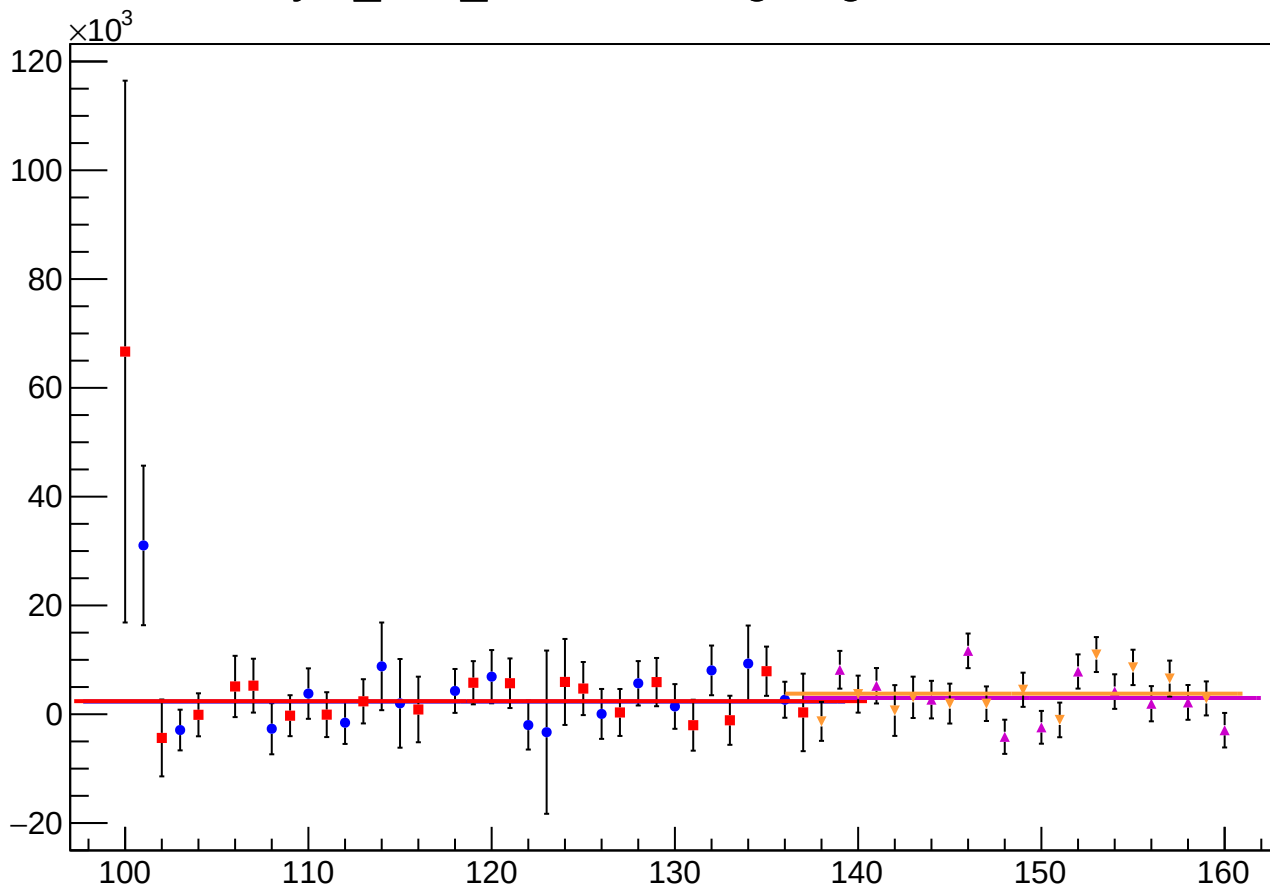
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 799.818+/-0.193 χ^2/NDF :838231.0/10

Out: 834.375+/-0.205 χ^2/NDF :962398.3/11

All: 816.047+/-0.140 χ^2/NDF : 1815739.6/22

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2330.134+/-1156.555 χ^2/NDF : 14.4/16

Left Out: 3783.855+/-981.161 χ^2/NDF :13.4/11

Right Out: 2403.750+/-1110.093 χ^2/NDF : 10.1/18

Left In: 2985.990+/-969.553 χ^2/NDF :24.7/10

Left: 3380.175+/-689.645 χ^2/NDF : 38.5/22

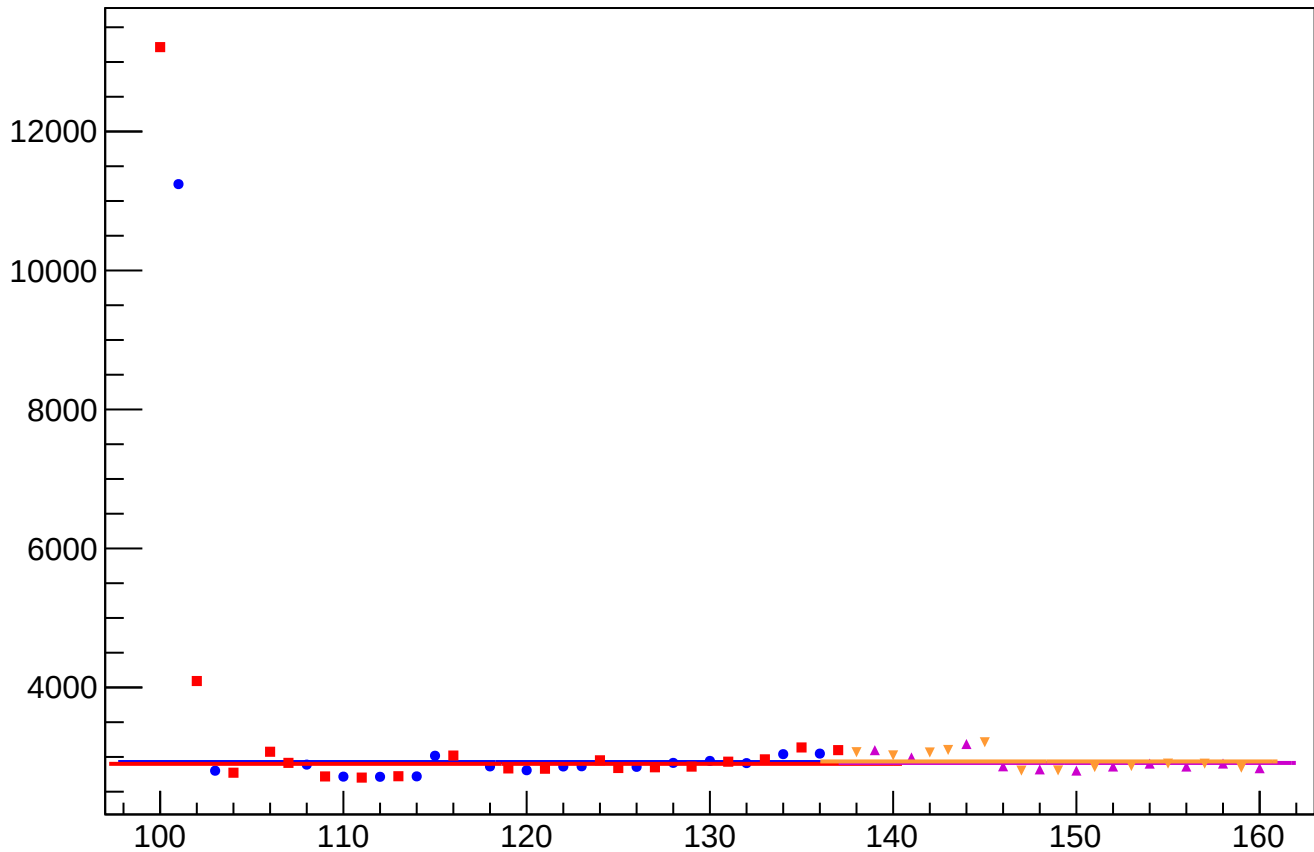
Right: 2368.450+/-800.876 χ^2/NDF : 24.5/35

In: 2715.305+/-743.009 χ^2/NDF :39.3/27

Out: 3178.568+/-735.163 χ^2/NDF :24.4/30

All: 2949.395+/-522.591 χ^2/NDF : 63.8/58

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2926.610 $\pm$ 0.818 χ^2 /NDF: 662794.4/16

Left Out: 2935.297 $\pm$ 0.694 χ^2 /NDF: 31709.0/11

Right Out: 2900.827 $\pm$ 0.785 χ^2 /NDF: 169866.6/18

Left In: 2913.740 $\pm$ 0.686 χ^2 /NDF: 26312.6/10

Left: 2924.390 $\pm$ 0.488 χ^2 /NDF: 58510.1/22

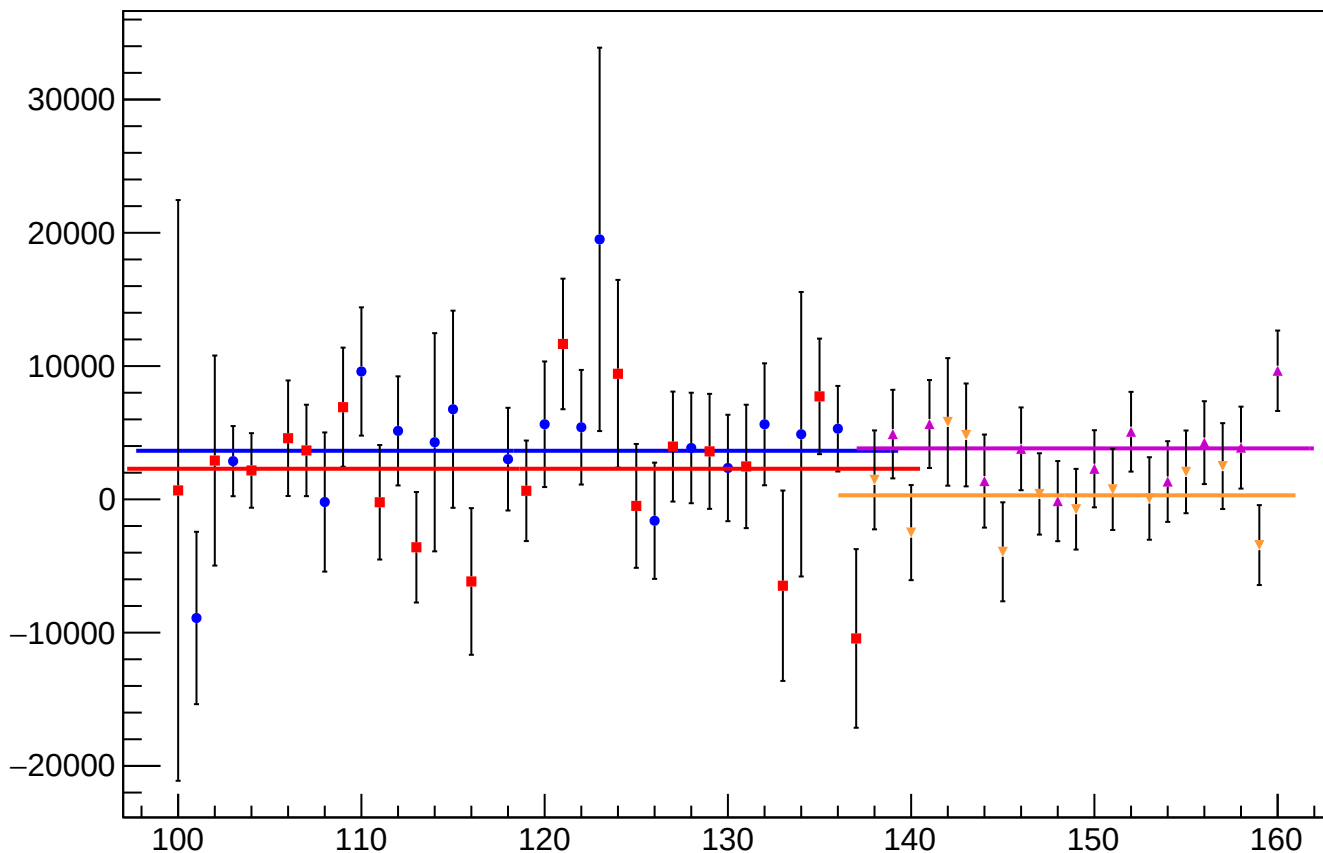
Right: 2913.190 $\pm$ 0.566 χ^2 /NDF: 833178.3/35

In: 2919.052 $\pm$ 0.525 χ^2 /NDF: 689252.4/27

Out: 2920.179 $\pm$ 0.520 χ^2 /NDF: 202658.3/30

All: 2919.622 $\pm$ 0.370 χ^2 /NDF: 891913.0/58

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3645.268 $\pm$ 1091.486 χ^2/NDF : 9.9/16

Left Out: 303.657 $\pm$ 964.705 χ^2/NDF : 7.2/11

Right Out: 2295.846 $\pm$ 1046.865 χ^2/NDF : 18.4/18

Left In: 3823.033 $\pm$ 937.391 χ^2/NDF : 7.5/10

Left: 2113.872 $\pm$ 672.285 χ^2/NDF : 21.6/22

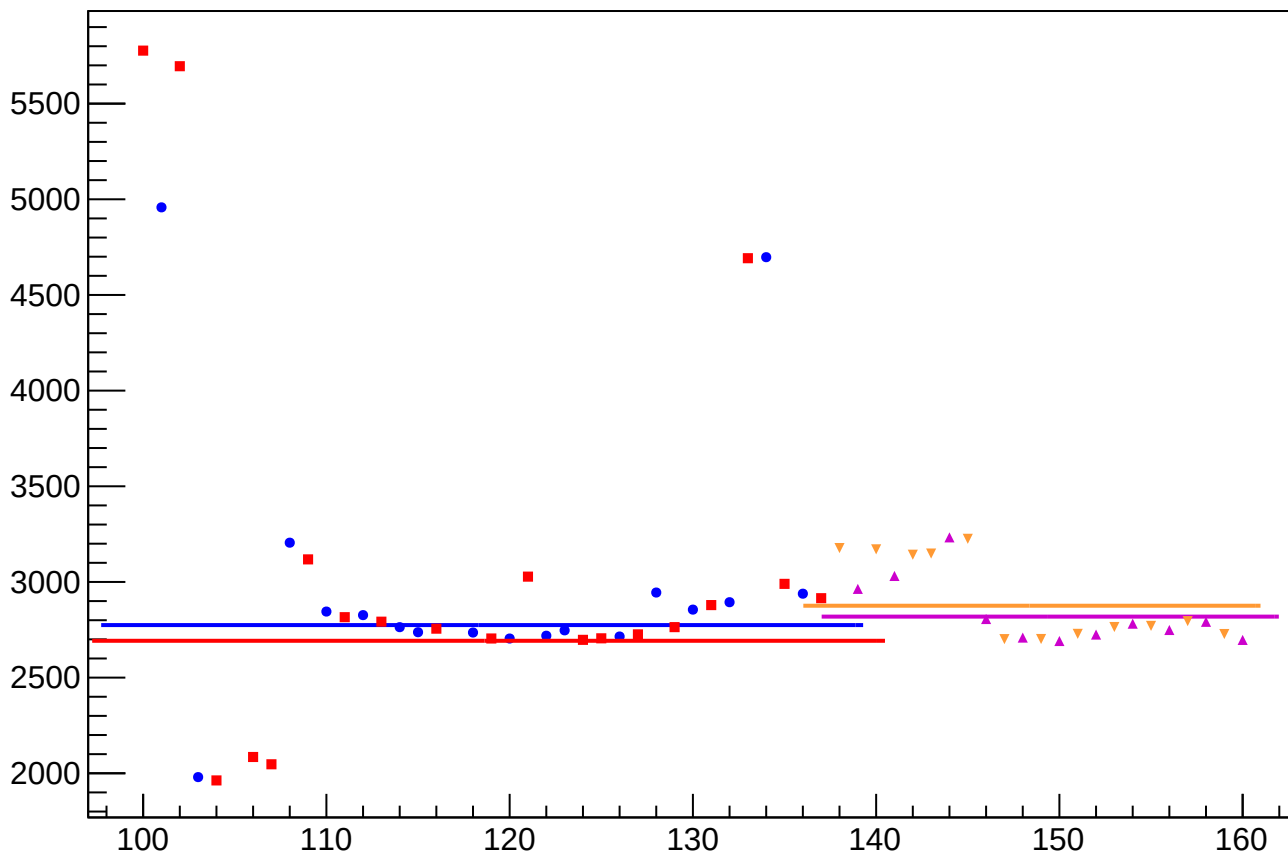
Right: 2942.410 $\pm$ 755.528 χ^2/NDF : 29.1/35

In: 3747.575 $\pm$ 711.131 χ^2/NDF : 17.4/27

Out: 1218.519 $\pm$ 709.419 χ^2/NDF : 27.6/30

All: 2480.000 $\pm$ 502.239 χ^2/NDF : 51.3/58

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2774.617 $\pm$ 0.772 χ^2 /NDF: 501680.3/16

Left Out: 2875.737 $\pm$ 0.682 χ^2 /NDF: 89569.8/11

Right Out: 2692.509 $\pm$ 0.740 χ^2 /NDF: 780267.3/18

Left In: 2818.855 $\pm$ 0.663 χ^2 /NDF: 53512.9/10

Left: 2846.479 $\pm$ 0.475 χ^2 /NDF: 146659.1/22

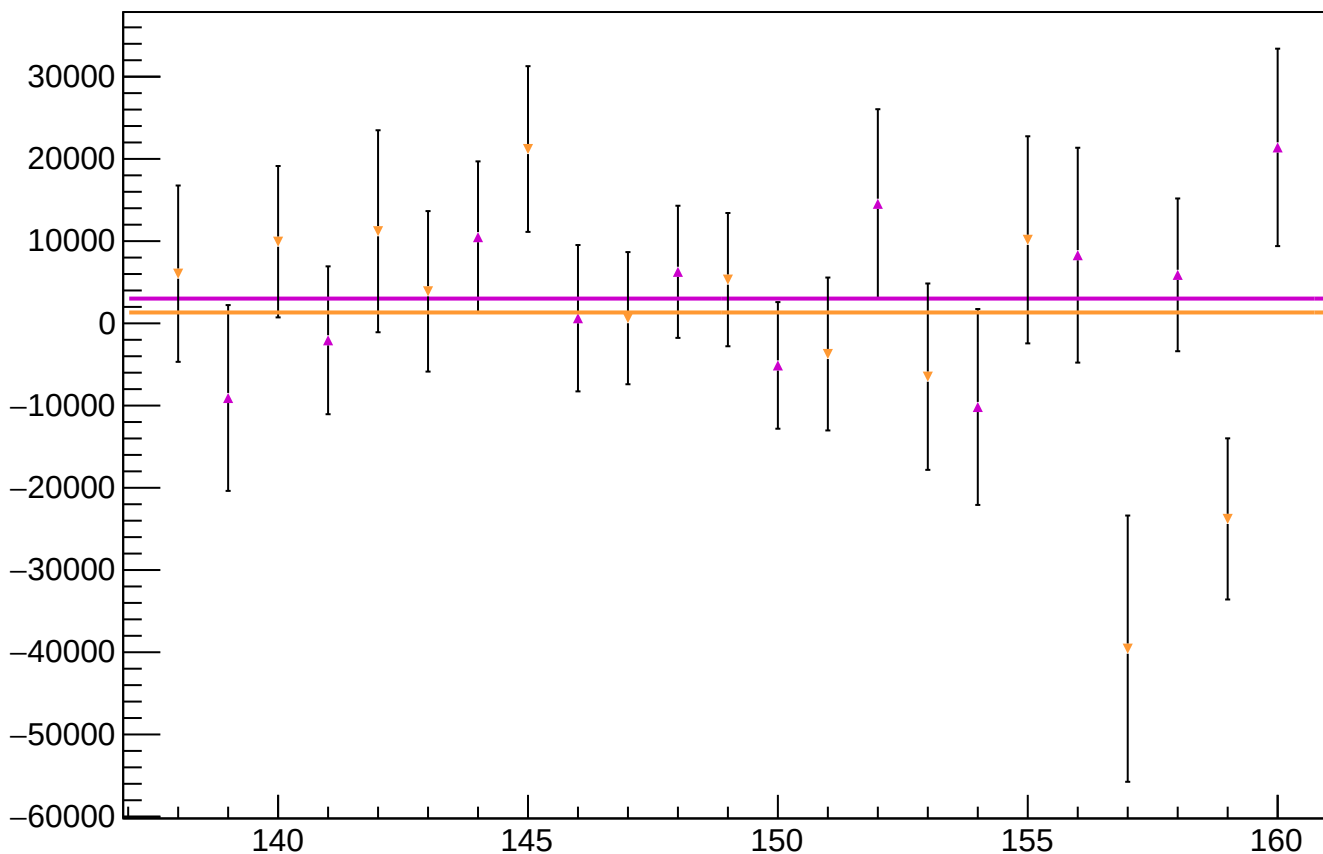
Right: 2731.837 $\pm$ 0.534 χ^2 /NDF: 1287844.4/35

In: 2800.077 $\pm$ 0.503 χ^2 /NDF: 557083.9/27

Out: 2791.565 $\pm$ 0.502 χ^2 /NDF: 902980.7/30

All: 2795.810 $\pm$ 0.355 χ^2 /NDF: 1460208.2/58

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 1323.170+/-2910.404 χ^2/NDF :20.1/11

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

Left In: 3012.872+/-2936.847 χ^2/NDF :8.3/10

Left: 2160.380+/-2067.252 χ^2/NDF : 28.6/22

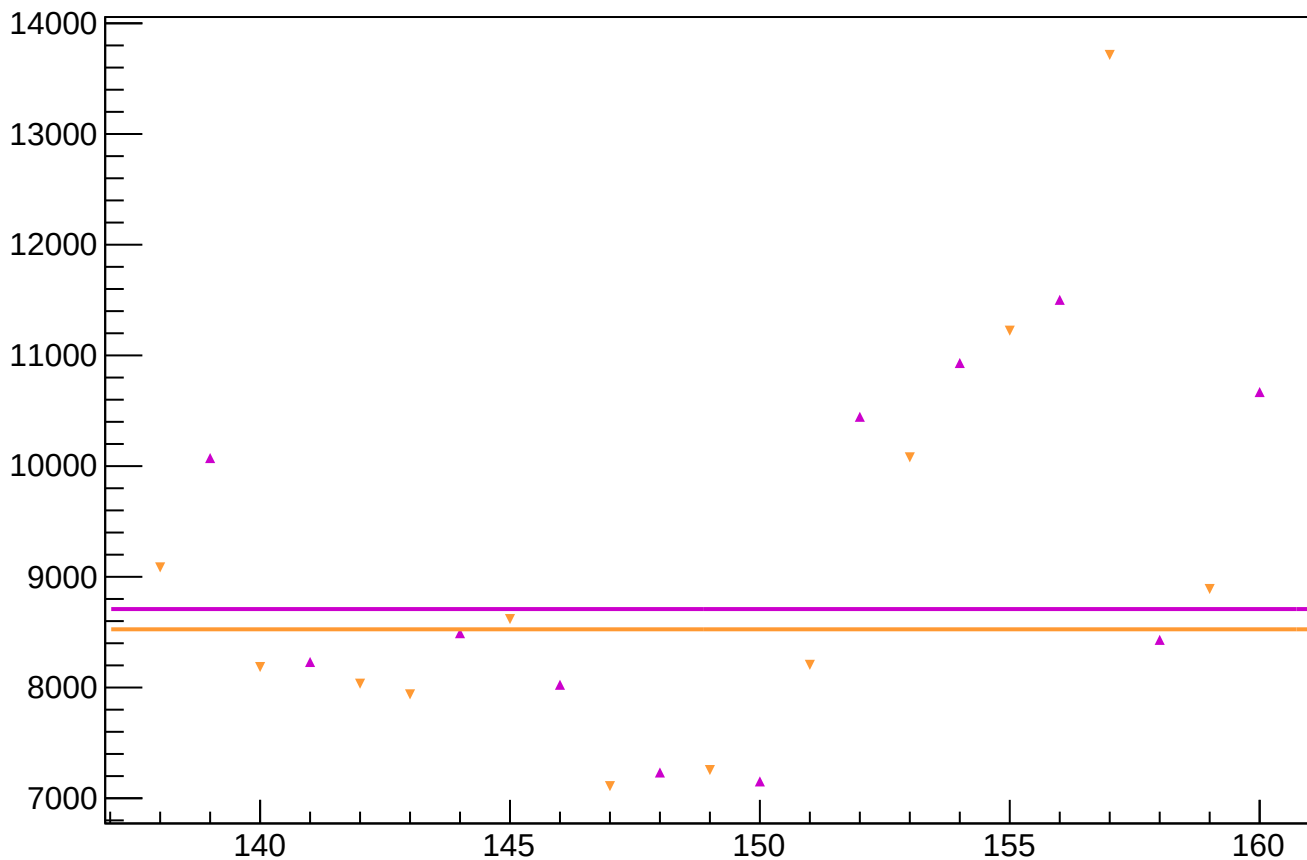
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3012.872+/-2936.847 χ^2/NDF :8.3/10

Out: 1323.170+/-2910.404 χ^2/NDF :20.1/11

All: 2160.380+/-2067.252 χ^2/NDF : 28.6/22

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8525.908+/-2.058 χ^2 /NDF:469982.6/11

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

Left In: 8708.764+/-2.077 χ^2 /NDF:458700.0/10

Left: 8616.509+/-1.462 χ^2 /NDF: 932594.2/22

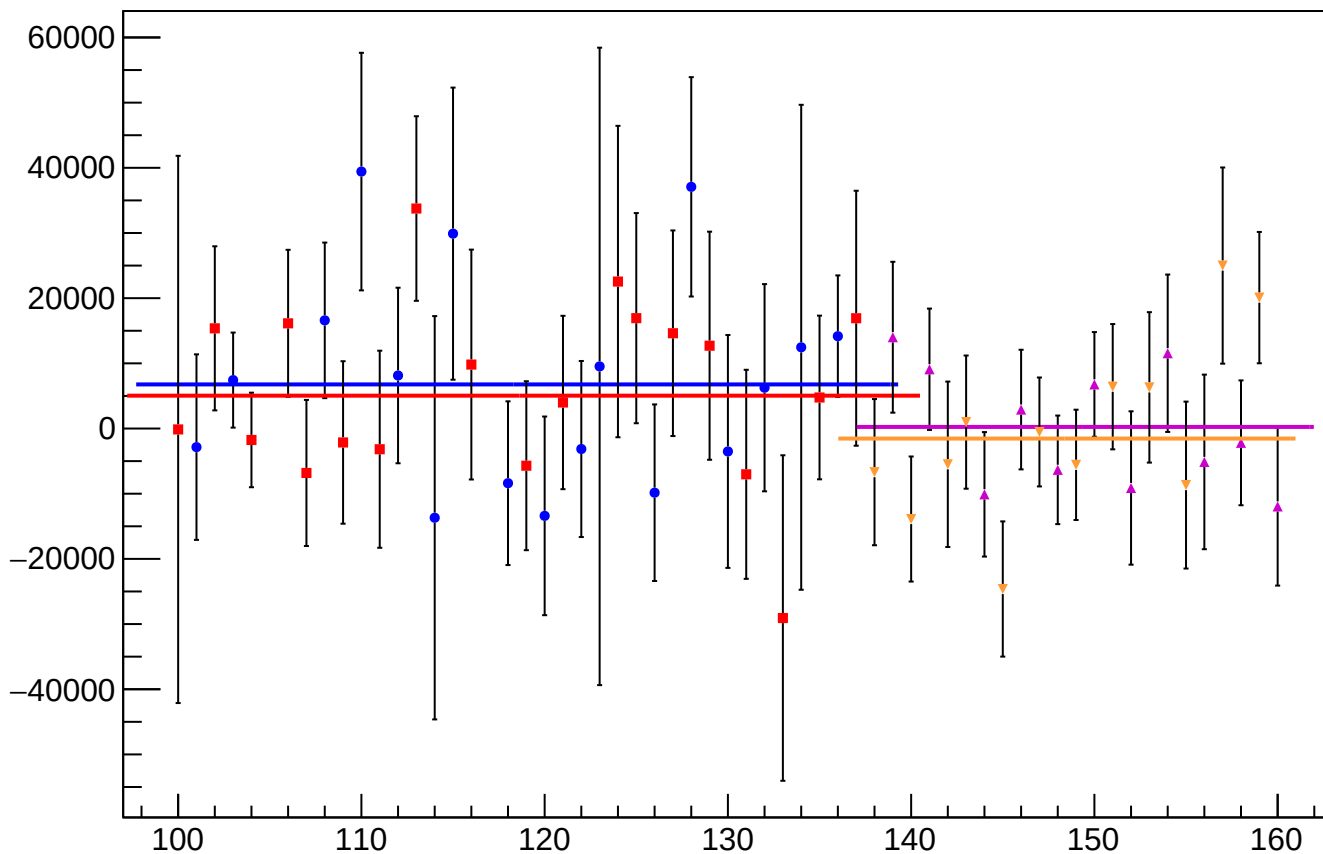
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 8708.764+/-2.077 χ^2 /NDF:458700.0/10

Out: 8525.908+/-2.058 χ^2 /NDF:469982.6/11

All: 8616.509+/-1.462 χ^2 /NDF: 932594.2/22

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6767.402+/-3387.139 χ^2/NDF : 15.3/16

Left Out: -1539.066+/-3003.076 χ^2/NDF : 16.4/11

Right Out: 5041.440+/-3167.616 χ^2/NDF : 13.6/18

Left In: 245.391+/-3027.265 χ^2/NDF : 7.6/10

Left: -653.995+/-2131.996 χ^2/NDF : 24.2/22

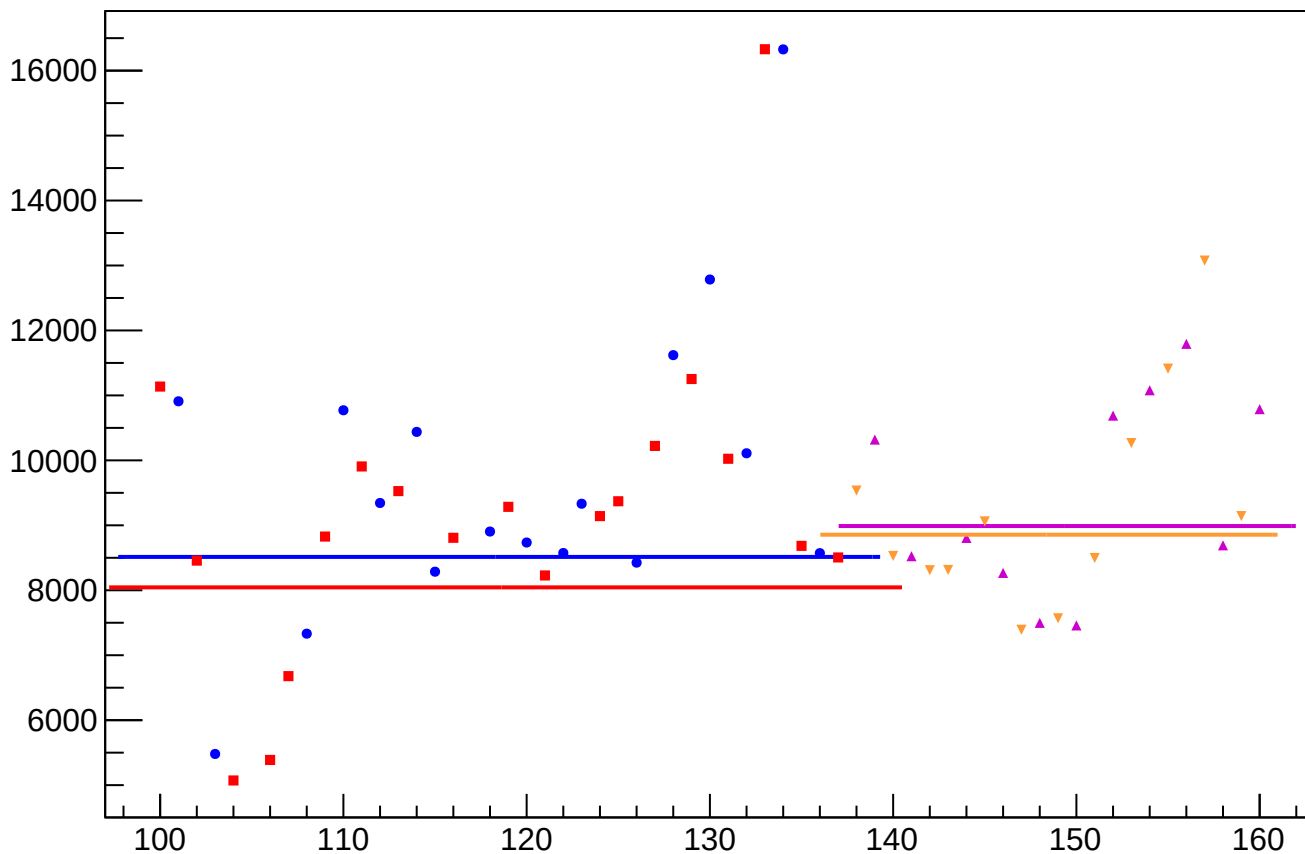
Right: 5846.682+/-2313.559 χ^2/NDF : 29.1/35

In: 3141.633+/-2257.147 χ^2/NDF : 25.0/27

Out: 1575.844+/-2179.343 χ^2/NDF : 32.3/30

All: 2331.288+/-1567.813 χ^2/NDF : 57.5/58

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8513.665 $\pm$ 2.395 χ^2/NDF : 762614.5/16

Left Out: 8855.518 $\pm$ 2.123 χ^2/NDF : 398701.2/11

Right Out: 8044.739 $\pm$ 2.240 χ^2/NDF : 952310.5/18

Left In: 8988.948 $\pm$ 2.141 χ^2/NDF : 416453.8/10

Left: 8921.698 $\pm$ 1.508 χ^2/NDF : 817113.3/22

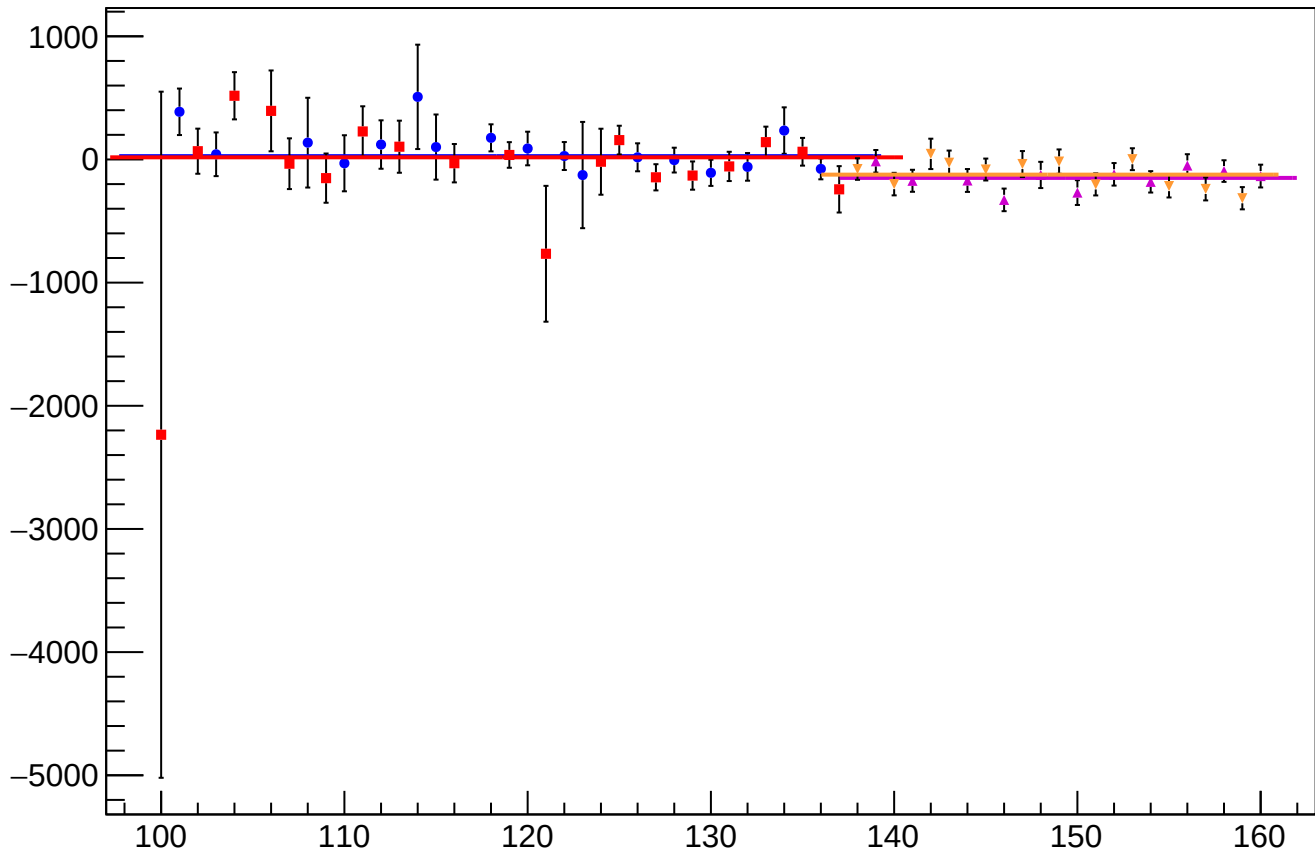
Right: 8263.507 $\pm$ 1.636 χ^2/NDF : 1735374.5/35

In: 8777.888 $\pm$ 1.596 χ^2/NDF : 1200960.3/27

Out: 8471.718 $\pm$ 1.541 χ^2/NDF : 1420020.6/30

All: 8619.433 $\pm$ 1.109 χ^2/NDF : 2640025.9/58

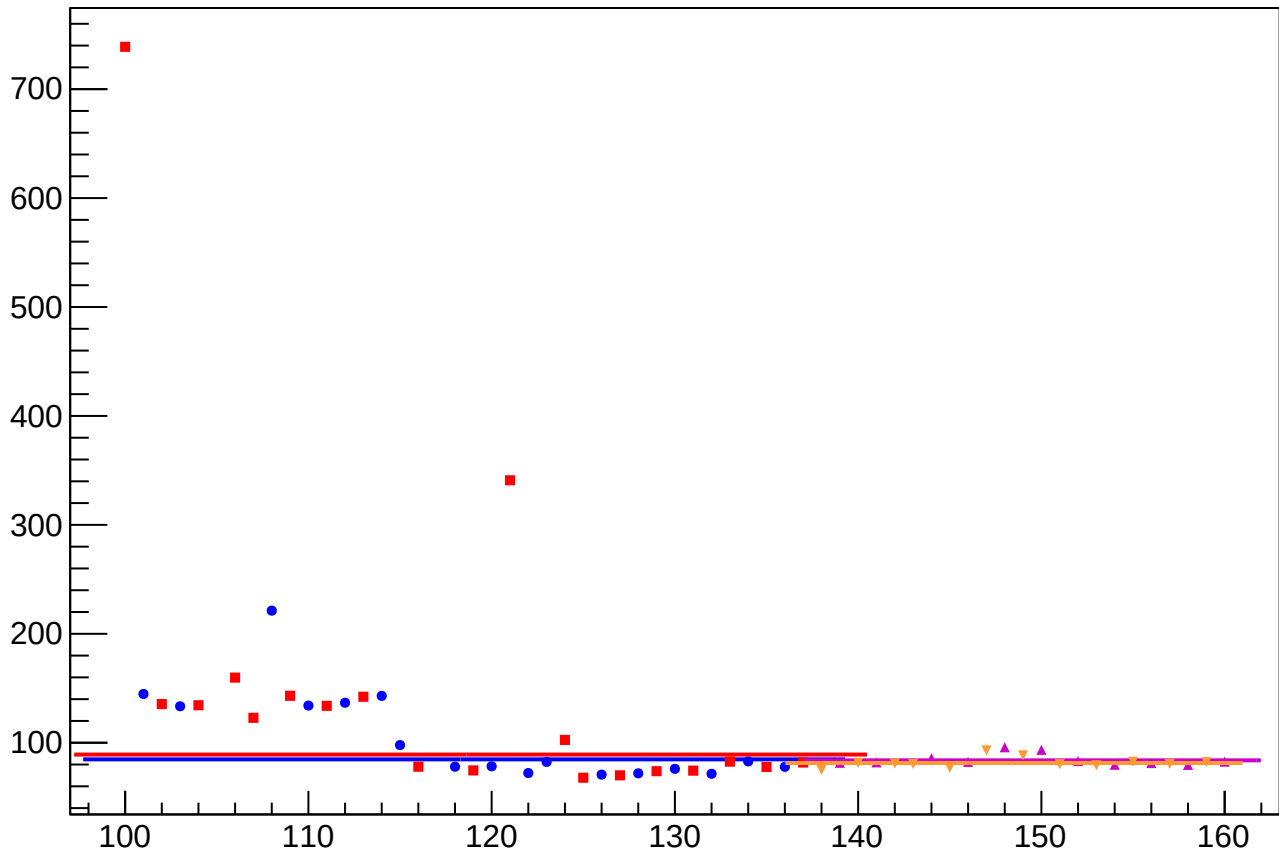
dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 26.932 ± 34.029 $\chi^2/\text{NDF}: 12.6/16$
Left Out: -123.234 ± 27.276 $\chi^2/\text{NDF}: 15.7/11$
Right Out: 17.368 ± 35.548 $\chi^2/\text{NDF}: 21.9/18$
Left In: -149.709 ± 27.914 $\chi^2/\text{NDF}: 9.4/10$

Left: -136.165 ± 19.509 $\chi^2/\text{NDF}: 25.5/22$
Right: 22.359 ± 24.581 $\chi^2/\text{NDF}: 34.5/35$
In: -78.656 ± 21.582 $\chi^2/\text{NDF}: 38.1/27$
Out: -71.131 ± 21.639 $\chi^2/\text{NDF}: 47.4/30$
All: -74.904 ± 15.281 $\chi^2/\text{NDF}: 85.5/58$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.737 $\pm$ 0.024 χ^2 /NDF: 1064420.0/16

Left Out: 81.386 $\pm$ 0.019 χ^2 /NDF: 52073.5/11

Right Out: 89.143 $\pm$ 0.025 χ^2 /NDF: 1559269.8/18

Left In: 83.835 $\pm$ 0.020 χ^2 /NDF: 57859.7/10

Left: 82.582 $\pm$ 0.014 χ^2 /NDF: 117806.9/22

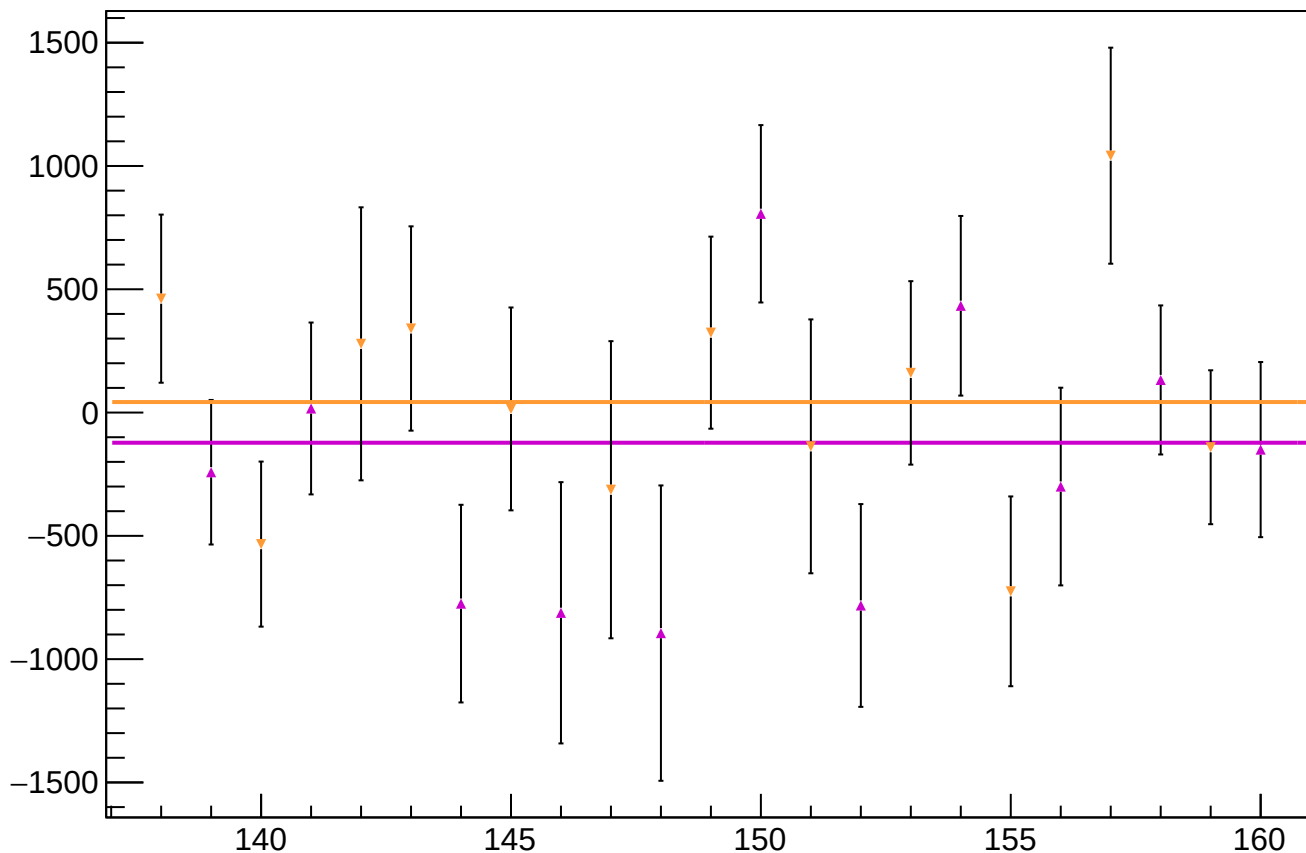
Right: 86.844 $\pm$ 0.017 χ^2 /NDF: 2639723.0/35

In: 84.198 $\pm$ 0.015 χ^2 /NDF: 1123119.7/27

Out: 84.261 $\pm$ 0.015 χ^2 /NDF: 1671283.5/30

All: 84.229 $\pm$ 0.011 χ^2 /NDF: 2794411.7/58

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 42.651+/-115.389 χ^2/NDF :15.8/11

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

Left In: -122.363+/-112.704 χ^2/NDF :18.8/10

Left: -41.798+/-80.626 χ^2/NDF : 35.7/22

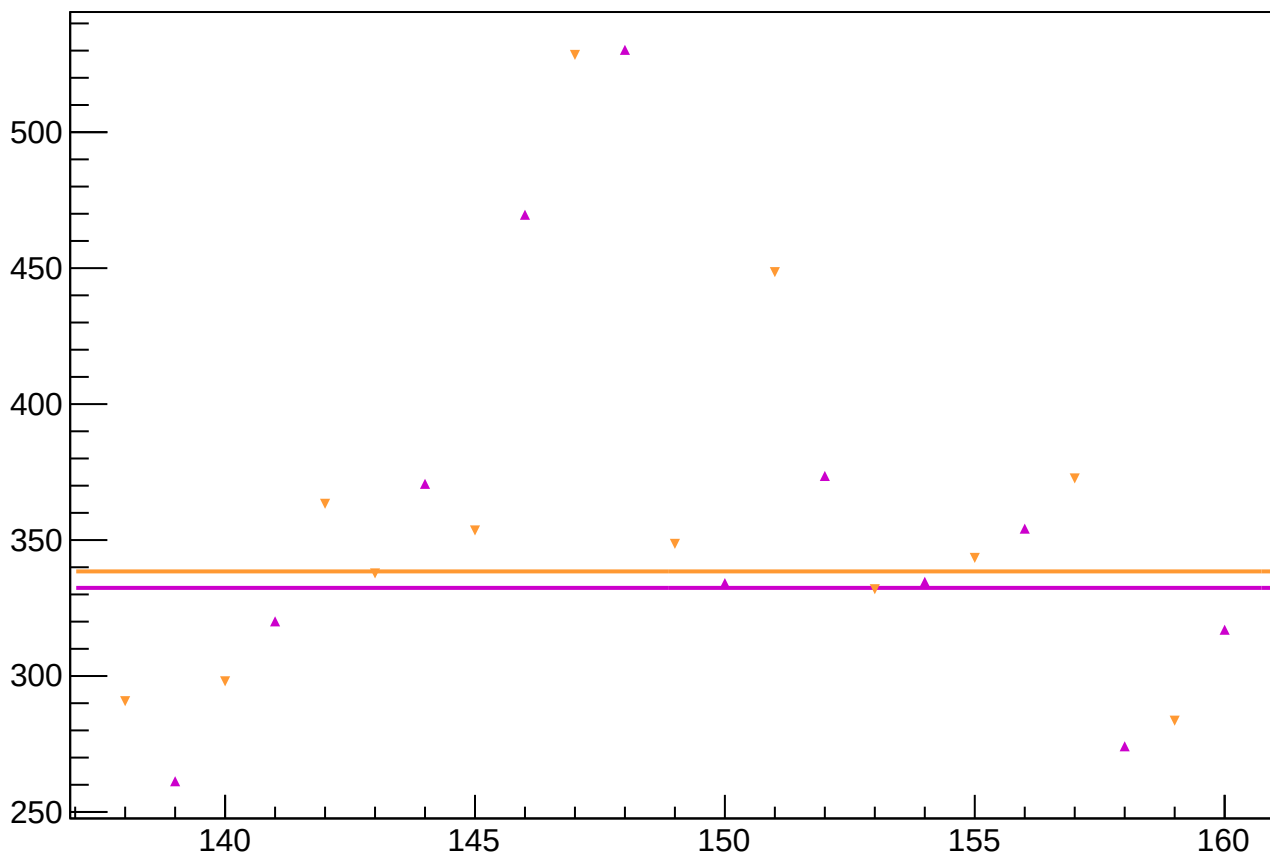
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -122.363+/-112.704 χ^2/NDF :18.8/10

Out: 42.651+/-115.389 χ^2/NDF :15.8/11

All: -41.798+/-80.626 χ^2/NDF : 35.7/22

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 338.471+/-0.082 χ^2/NDF : 441649.4/11

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

Left In: 332.410+/-0.080 χ^2/NDF : 595048.6/10

Left: 335.369+/-0.057 χ^2/NDF : 1039522.7/22

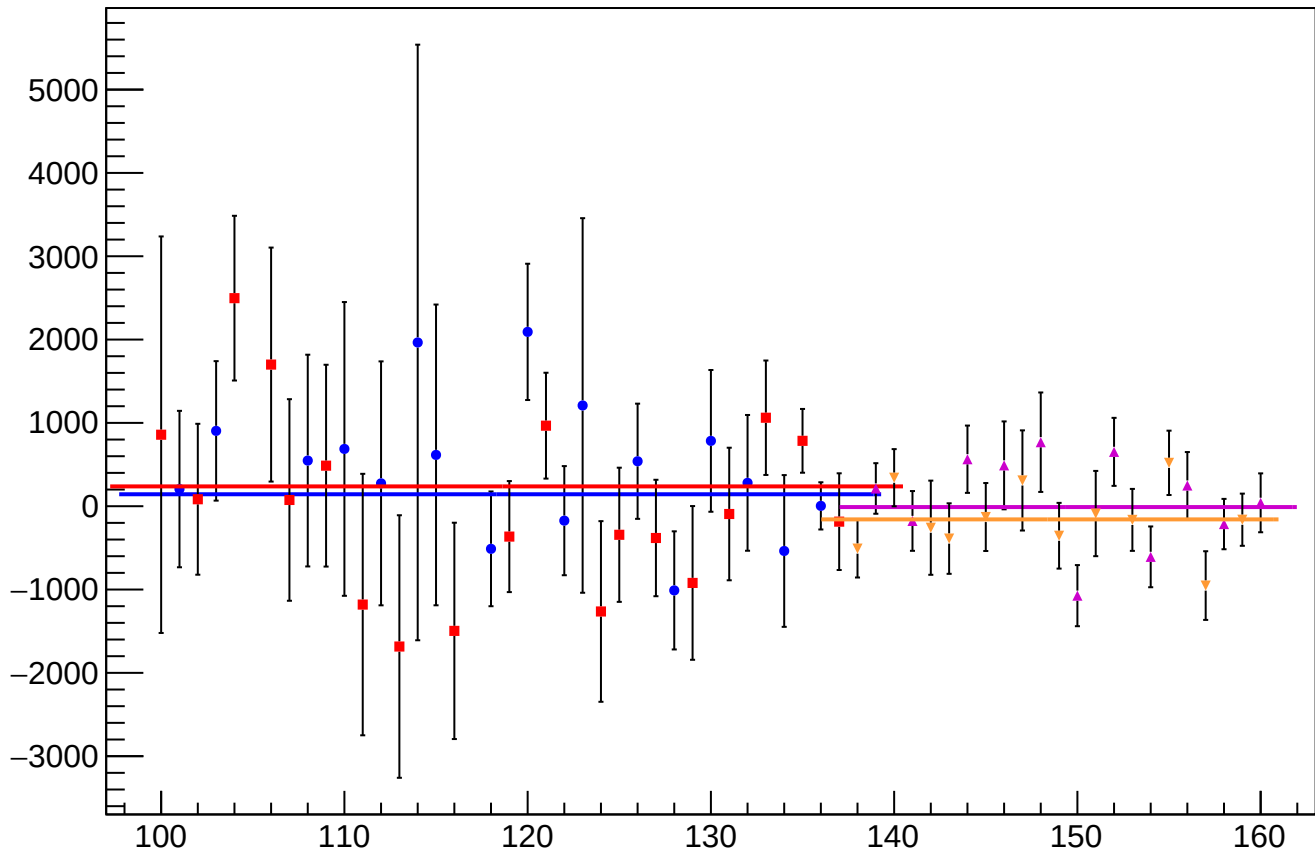
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 332.410+/-0.080 χ^2/NDF : 595048.6/10

Out: 338.471+/-0.082 χ^2/NDF : 441649.4/11

All: 335.369+/-0.057 χ^2/NDF : 1039522.7/22

asym_sam1_mean vs Slug, Sign Corrected



Right In: 143.486 $\pm$ 179.237 χ^2 /NDF: 12.8/16

Left Out: -158.138 $\pm$ 115.806 χ^2 /NDF:11.2/11

Right Out: 237.821 $\pm$ 183.995 χ^2 /NDF: 21.7/18

Left In: -10.273 $\pm$ 113.754 χ^2 /NDF:20.0/10

Left: -82.884 $\pm$ 81.152 χ^2 /NDF: 32.0/22

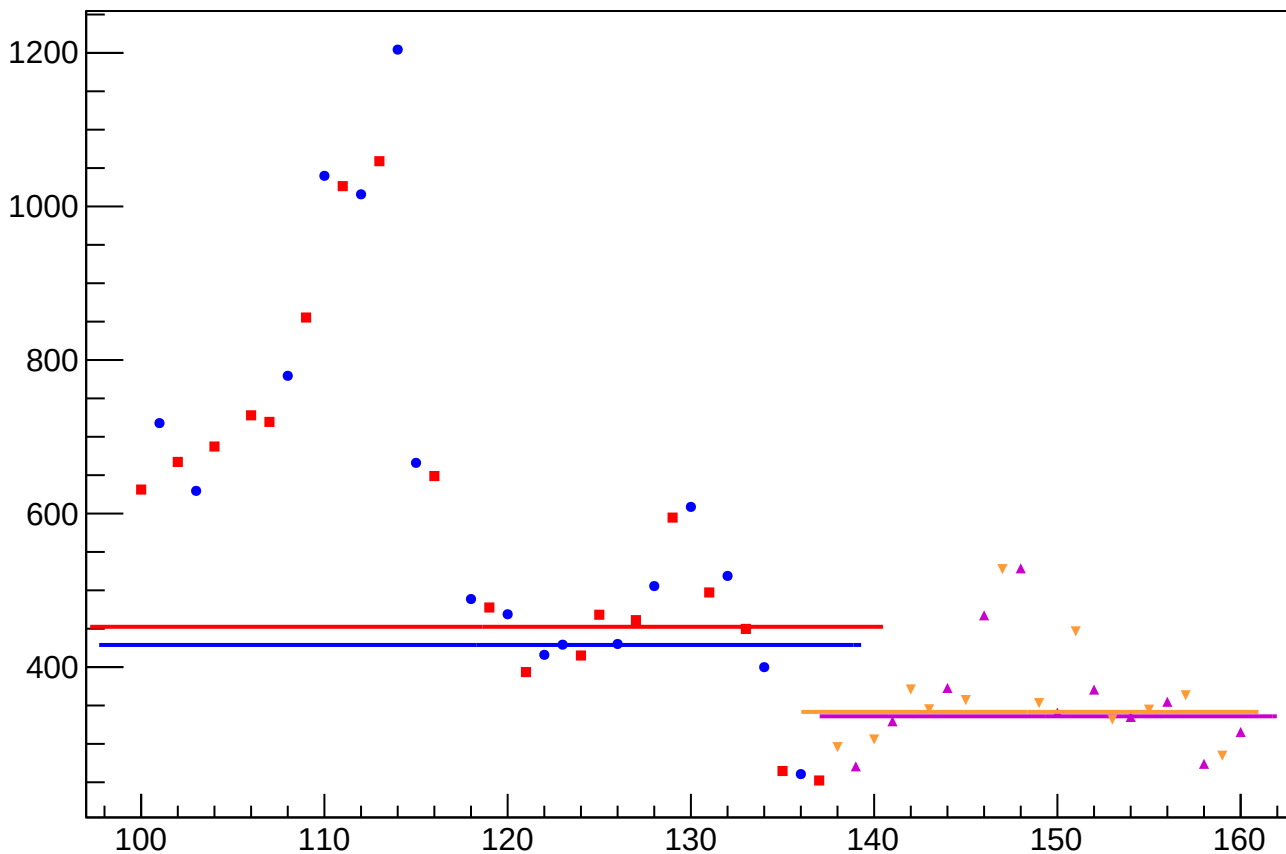
Right: 189.418 $\pm$ 128.389 χ^2 /NDF: 34.6/35

In: 33.877 $\pm$ 96.044 χ^2 /NDF:33.3/27

Out: -45.789 $\pm$ 98.009 χ^2 /NDF:36.1/30

All: -5.149 $\pm$ 68.598 χ^2 /NDF: 69.8/58

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.856+/-0.127 χ^2/NDF : 2012329.6/16

Left Out: 341.649+/-0.082 χ^2/NDF : 415816.6/11

Right Out: 452.517+/-0.130 χ^2/NDF : 2039238.5/18

Left In: 335.891+/-0.080 χ^2/NDF : 552420.6/10

Left: 338.719+/-0.057 χ^2/NDF : 970753.1/22

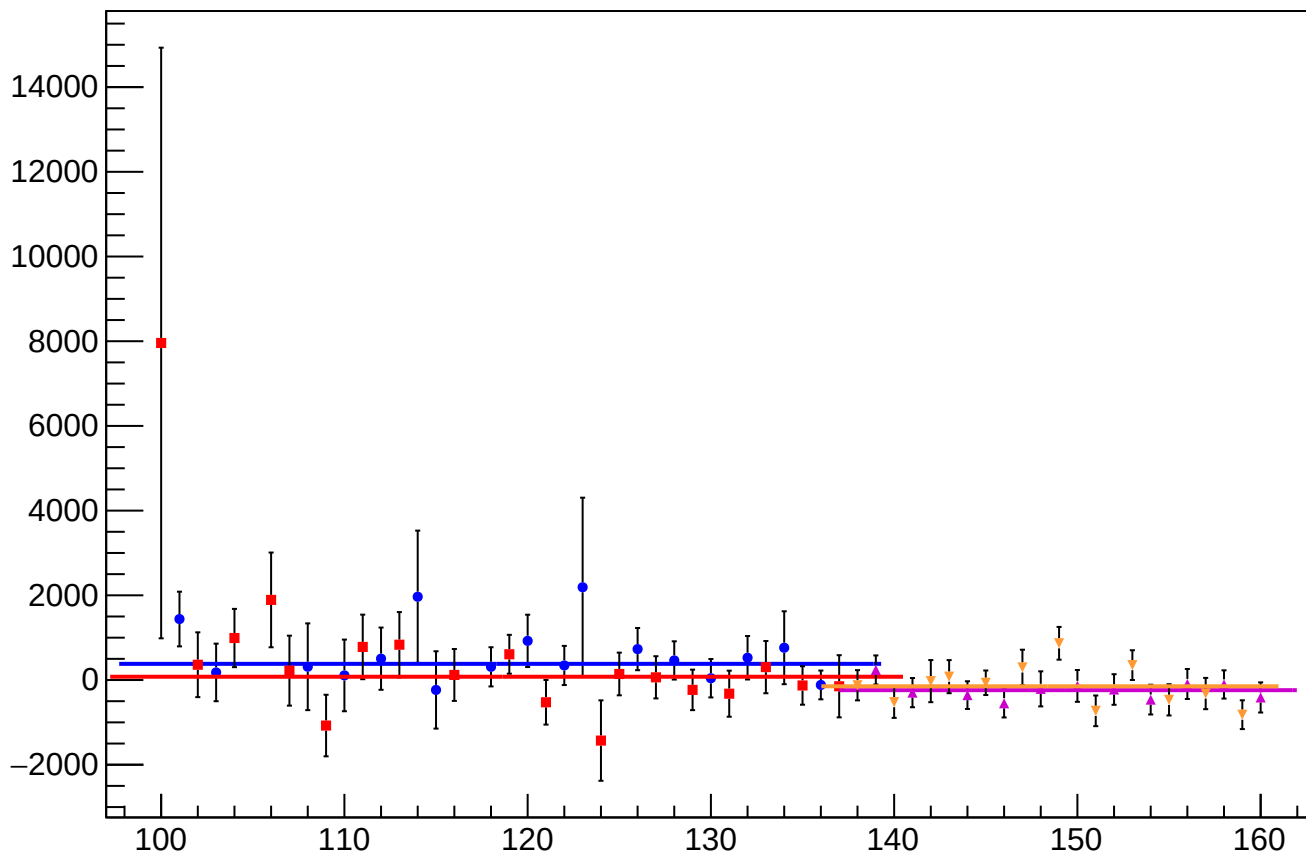
Right: 440.377+/-0.091 χ^2/NDF : 4068538.6/35

In: 362.585+/-0.068 χ^2/NDF : 2948294.1/27

Out: 373.107+/-0.069 χ^2/NDF : 2975175.8/30

All: 367.739+/-0.049 χ^2/NDF : 5935228.7/58

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 381.893 ± 141.192 χ^2/NDF : 9.4/16

Left Out: -147.758 ± 105.968 χ^2/NDF : 19.0/11

Right Out: 77.490 ± 143.469 χ^2/NDF : 16.8/18

Left In: -239.768 ± 106.146 χ^2/NDF : 4.0/10

Left: -193.686 ± 74.993 χ^2/NDF : 23.3/22

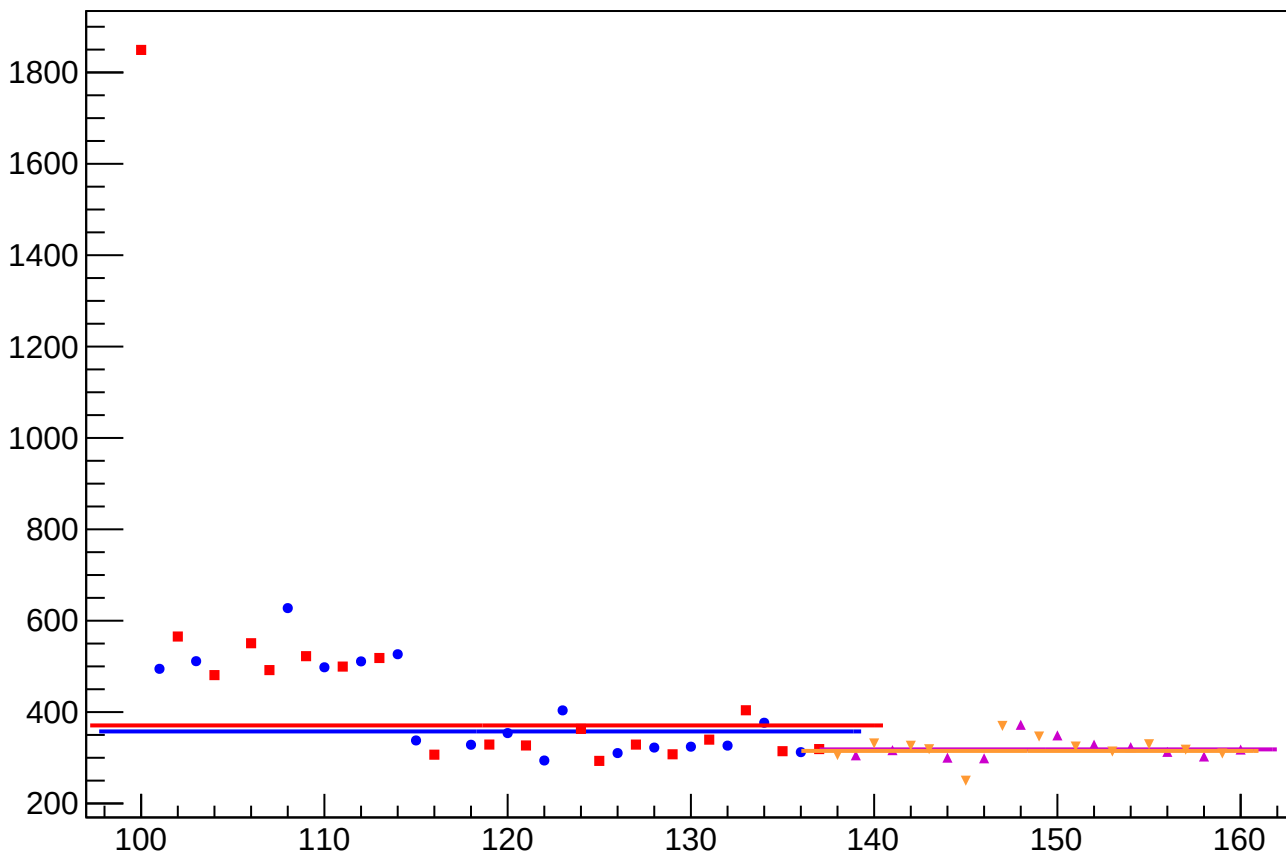
Right: 232.126 ± 100.633 χ^2/NDF : 28.5/35

In: -15.290 ± 84.844 χ^2/NDF : 25.8/27

Out: -68.250 ± 85.238 χ^2/NDF : 37.3/30

All: -41.647 ± 60.133 χ^2/NDF : 63.3/58

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 357.664+/-0.100 χ^2/NDF : 629671.7/16

Left Out: 315.017+/-0.075 χ^2/NDF : 160493.2/11

Right Out: 370.794+/-0.101 χ^2/NDF : 784786.3/18

Left In: 318.361+/-0.075 χ^2/NDF : 69858.0/10

Left: 316.686+/-0.053 χ^2/NDF : 231345.0/22

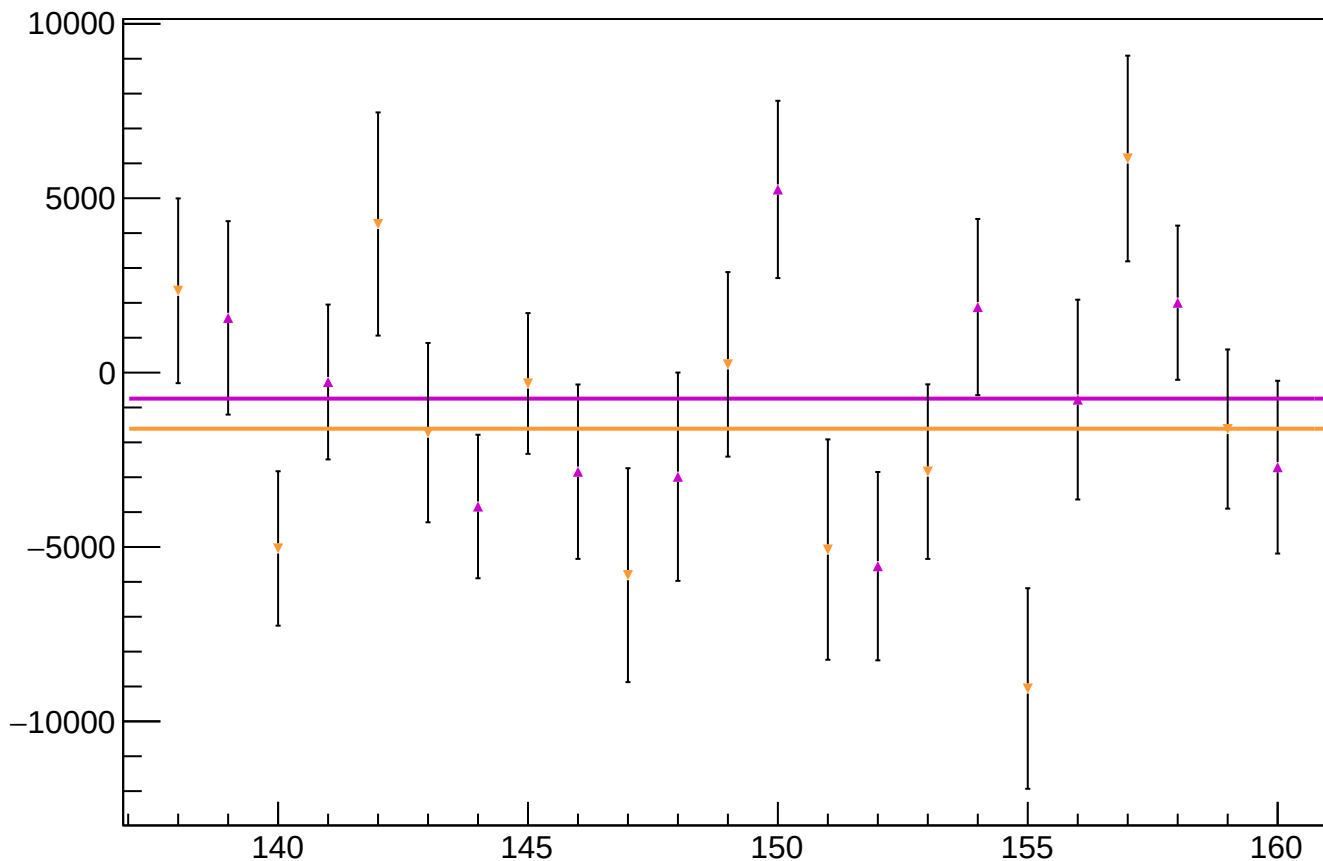
Right: 364.124+/-0.071 χ^2/NDF : 1422966.9/35

In: 332.553+/-0.060 χ^2/NDF : 798546.5/27

Out: 334.705+/-0.060 χ^2/NDF : 1140864.1/30

All: 333.624+/-0.043 χ^2/NDF : 1940051.2/58

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1608.681+/-749.900 χ^2/NDF :25.8/11

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

Left In: -745.470+/-749.635 χ^2/NDF :16.3/10

Left: -1176.923+/-530.166 χ^2/NDF : 42.8/22

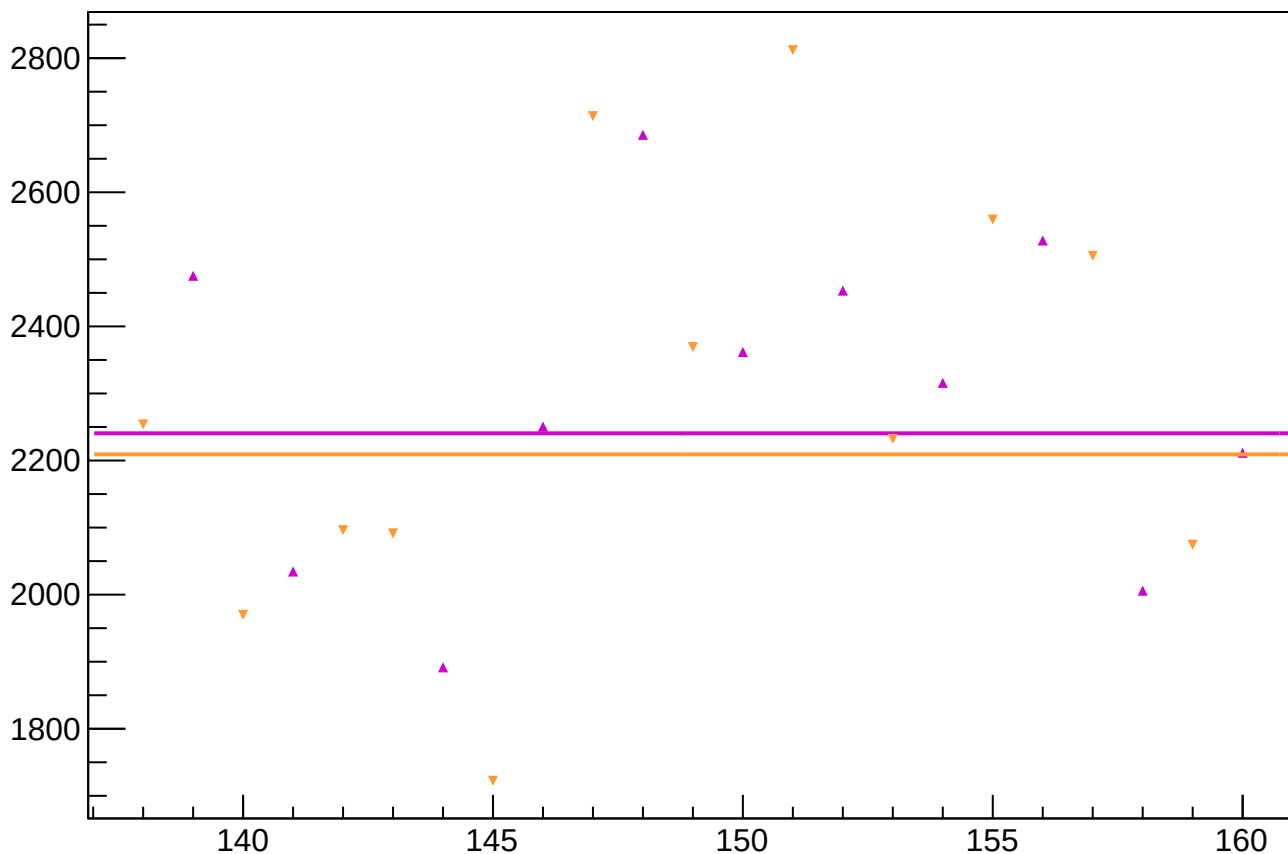
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -745.470+/-749.635 χ^2/NDF :16.3/10

Out: -1608.681+/-749.900 χ^2/NDF :25.8/11

All: -1176.923+/-530.166 χ^2/NDF : 42.8/22

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2209.248+/-0.530 χ^2/NDF :338190.7/11

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

Left In: 2240.543+/-0.530 χ^2/NDF :195290.8/10

Left: 2224.901+/-0.375 χ^2/NDF : 535223.7/22

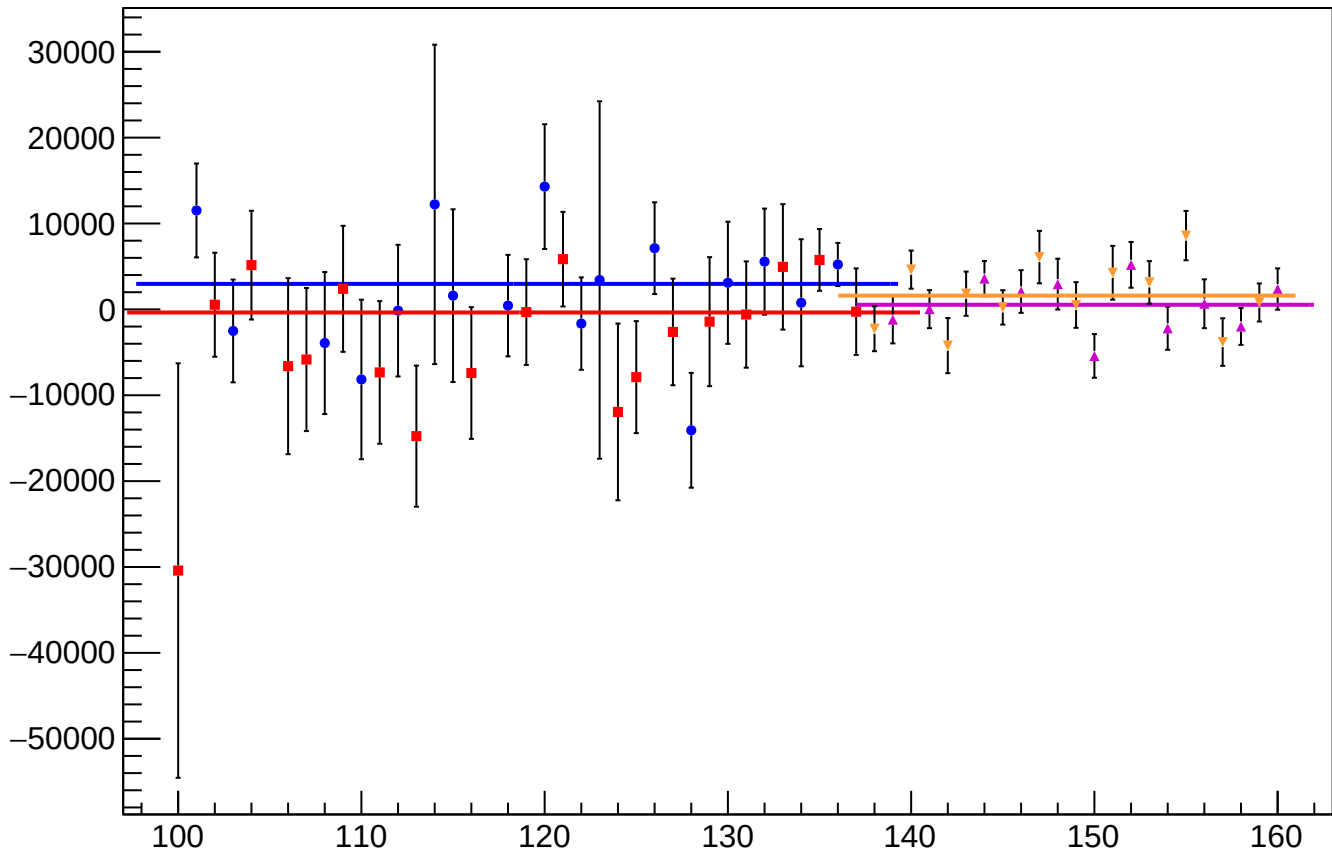
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2240.543+/-0.530 χ^2/NDF :195290.8/10

Out: 2209.248+/-0.530 χ^2/NDF :338190.7/11

All: 2224.901+/-0.375 χ^2/NDF : 535223.7/22

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2969.125+/-1440.489 χ^2/NDF : 17.4/16

Left Out: 1604.695+/-741.984 χ^2/NDF : 21.1/11

Right Out: -358.685+/-1507.064 χ^2/NDF : 15.3/18

Left In: 537.016+/-741.943 χ^2/NDF : 15.4/10

Left: 1070.826+/-524.647 χ^2/NDF : 37.5/22

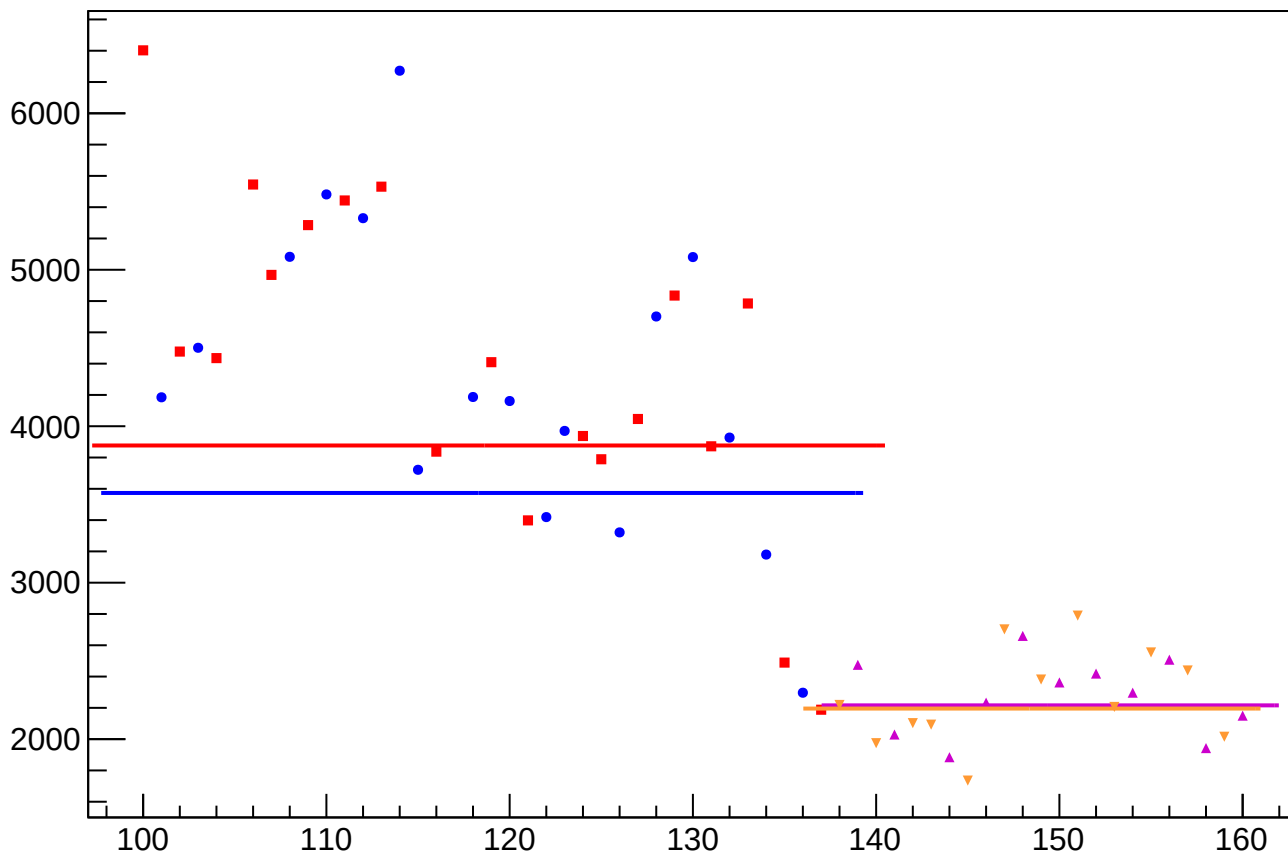
Right: 1380.346+/-1041.320 χ^2/NDF : 35.3/35

In: 1046.949+/-659.592 χ^2/NDF : 35.0/27

Out: 1221.633+/-665.679 χ^2/NDF : 37.8/30

All: 1133.489+/-468.539 χ^2/NDF : 72.9/58

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3573.470+/-1.019 χ^2/NDF : 1088731.5/16

Left Out: 2195.455+/-0.525 χ^2/NDF : 327370.6/11

Right Out: 3876.914+/-1.066 χ^2/NDF : 988409.8/18

Left In: 2215.915+/-0.525 χ^2/NDF : 204448.2/10

Left: 2205.686+/-0.371 χ^2/NDF : 532579.3/22

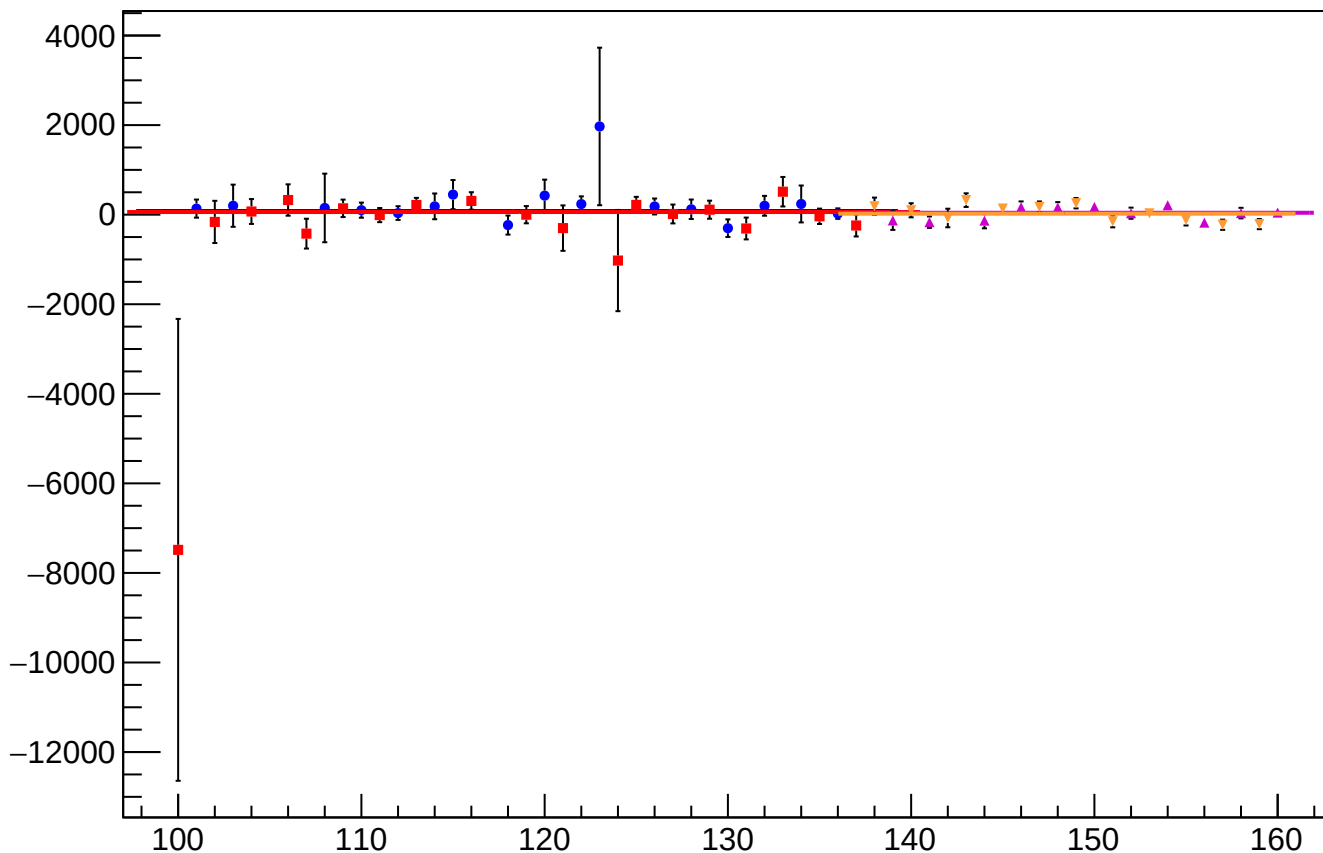
Right: 3718.342+/-0.736 χ^2/NDF : 2119512.7/35

In: 2500.550+/-0.466 χ^2/NDF : 2697075.1/27

Out: 2523.514+/-0.471 χ^2/NDF : 3319693.2/30

All: 2511.926+/-0.331 χ^2/NDF : 6017969.3/58

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 81.851+/-51.907 χ^2/NDF : 11.5/16

Left Out: 21.855+/-37.392 χ^2/NDF :23.6/11

Right Out: 59.008+/-53.165 χ^2/NDF : 16.4/18

Left In: 42.309+/-36.973 χ^2/NDF :14.2/10

Left: 32.198+/-26.291 χ^2/NDF : 37.9/22

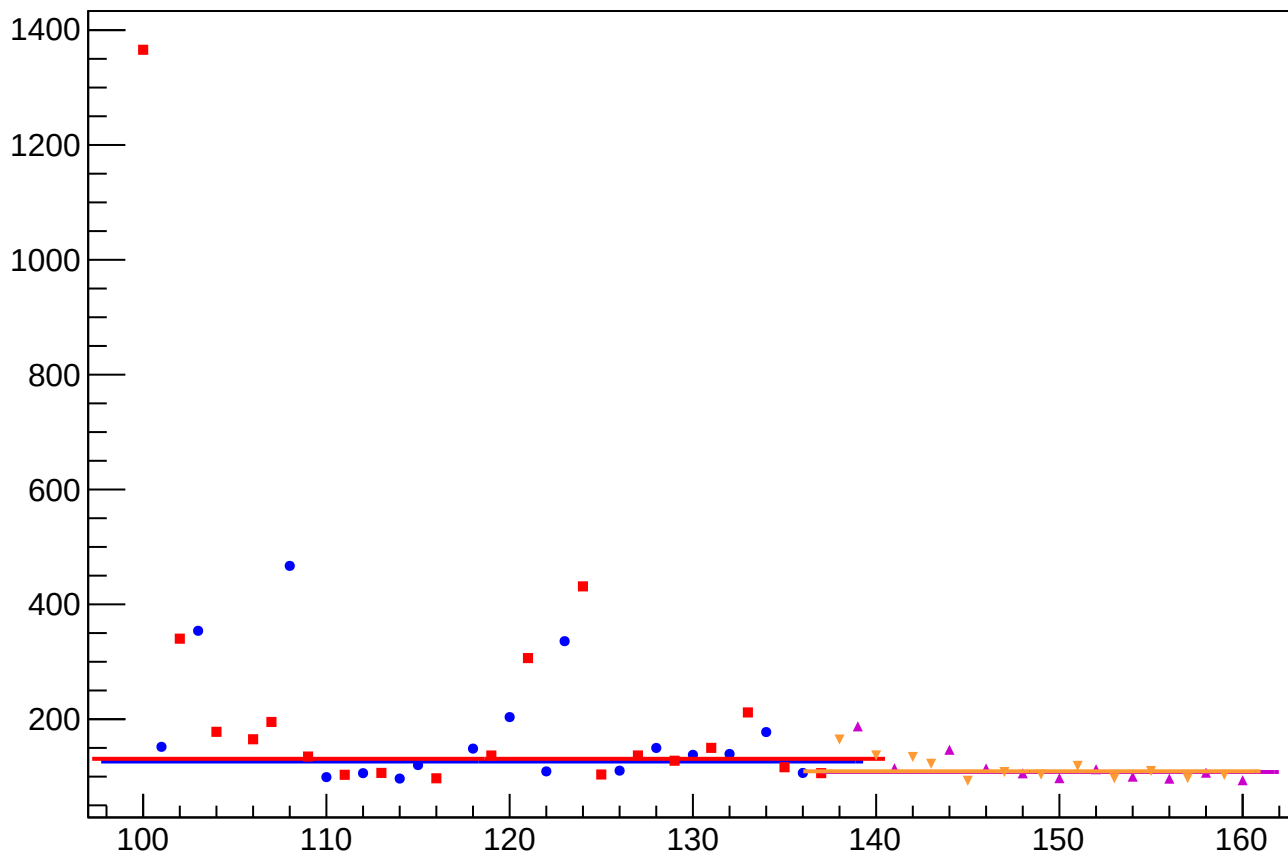
Right: 70.703+/-37.141 χ^2/NDF : 28.1/35

In: 55.618+/-30.114 χ^2/NDF :26.1/27

Out: 34.151+/-30.585 χ^2/NDF :40.3/30

All: 45.051+/-21.459 χ^2/NDF : 66.7/58

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 126.339 $\pm$ 0.037 χ^2 /NDF: 1310585.0/16

Left Out: 109.269 $\pm$ 0.026 χ^2 /NDF:379919.9/11

Right Out: 131.007 $\pm$ 0.038 χ^2 /NDF: 1429260.8/18

Left In: 108.045 $\pm$ 0.026 χ^2 /NDF:487388.3/10

Left: 108.650 $\pm$ 0.019 χ^2 /NDF: 868392.0/22

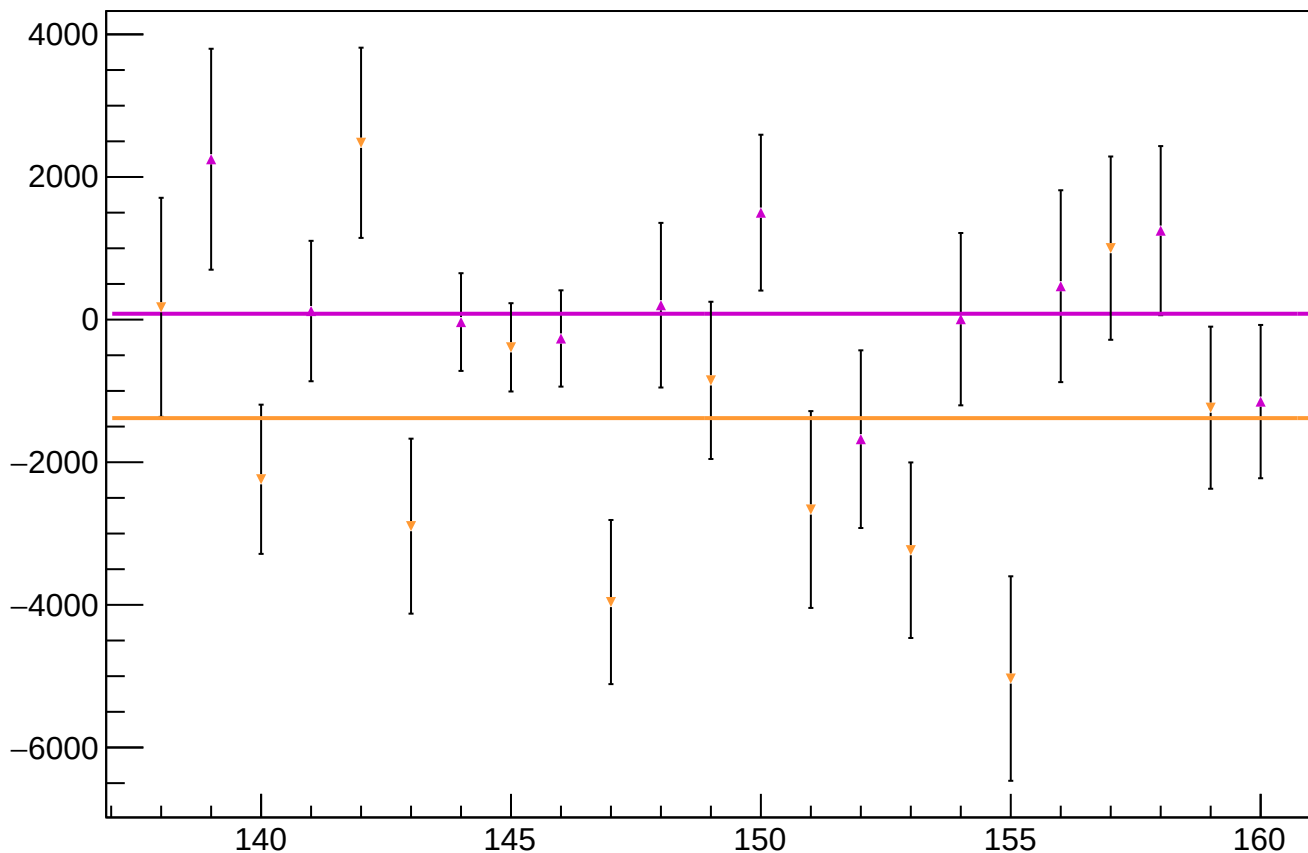
Right: 128.617 $\pm$ 0.026 χ^2 /NDF: 2747739.0/35

In: 114.202 $\pm$ 0.021 χ^2 /NDF:1962791.8/27

Out: 116.463 $\pm$ 0.022 χ^2 /NDF:2032888.5/30

All: 115.315 $\pm$ 0.015 χ^2 /NDF: 4001229.1/58

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1381.365+/-319.414 χ^2/NDF :32.5/11

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

Left In: 82.298+/-304.018 χ^2/NDF :8.3/10

Left: -613.411+/-220.215 χ^2/NDF : 51.8/22

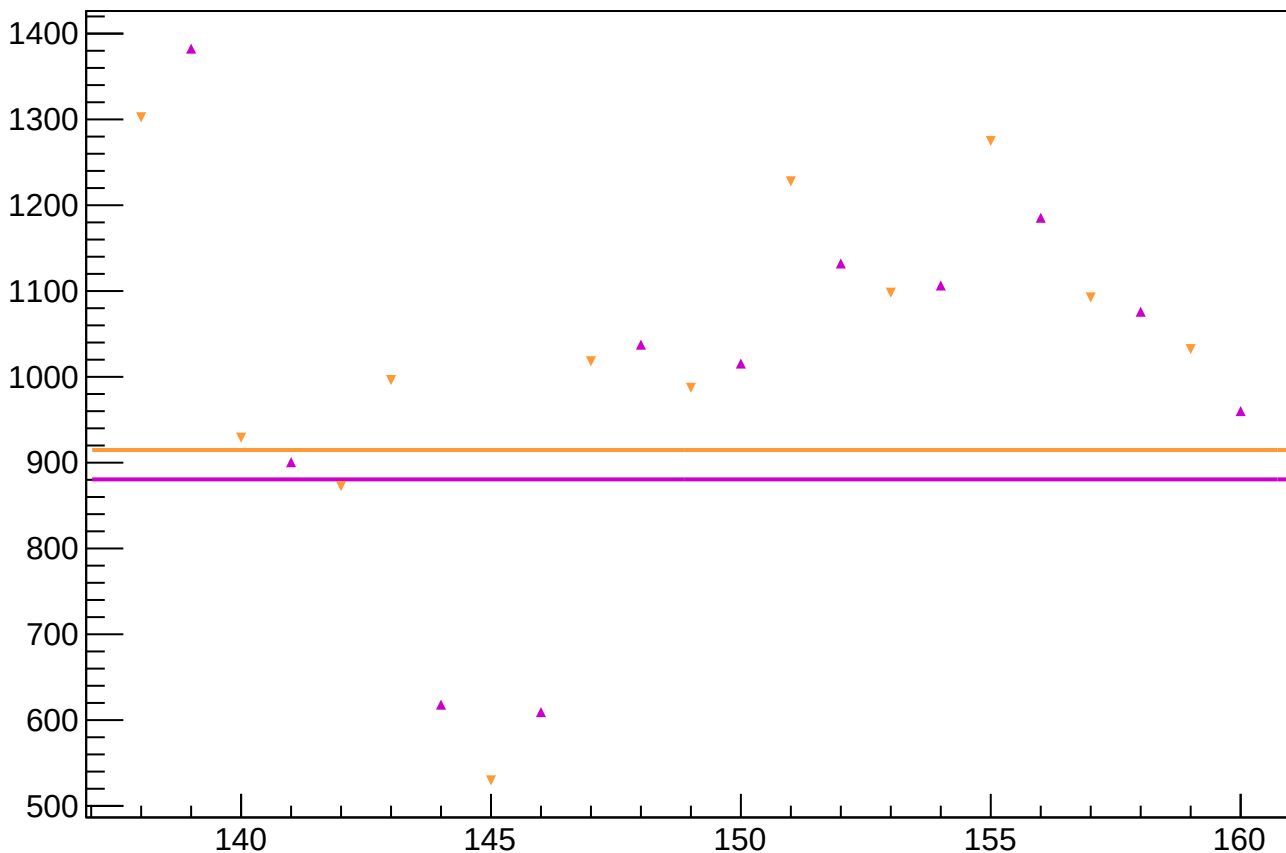
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 82.298+/-304.018 χ^2/NDF :8.3/10

Out: -1381.365+/-319.414 χ^2/NDF :32.5/11

All: -613.411+/-220.215 χ^2/NDF : 51.8/22

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 914.775+/-0.226 χ^2/NDF :1270165.7/11

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

Left In: 880.507+/-0.215 χ^2/NDF :1214302.8/10

Left: 896.795+/-0.156 χ^2/NDF : 2496546.2/22

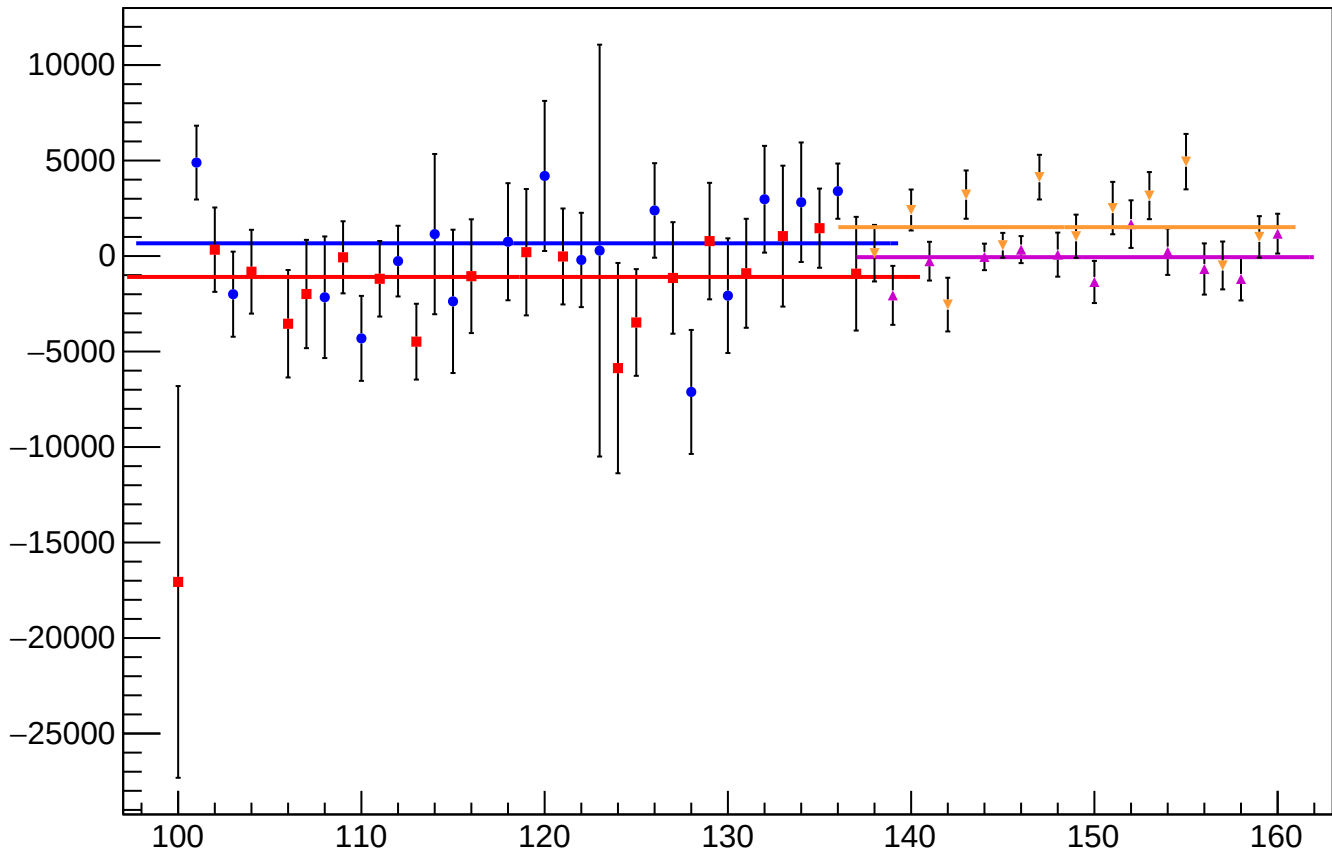
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 880.507+/-0.215 χ^2/NDF :1214302.8/10

Out: 914.775+/-0.226 χ^2/NDF :1270165.7/11

All: 896.795+/-0.156 χ^2/NDF : 2496546.2/22

asym_sam3_mean vs Slug, Sign Corrected



Right In: 666.453 $\pm$ 618.839 χ^2/NDF : 25.6/16

Left Out: 1513.006 $\pm$ 324.735 χ^2/NDF : 29.7/11

Right Out: -1094.278 $\pm$ 602.639 χ^2/NDF : 11.0/18

Left In: -58.395 $\pm$ 306.780 χ^2/NDF : 8.0/10

Left: 682.662 $\pm$ 223.004 χ^2/NDF : 50.1/22

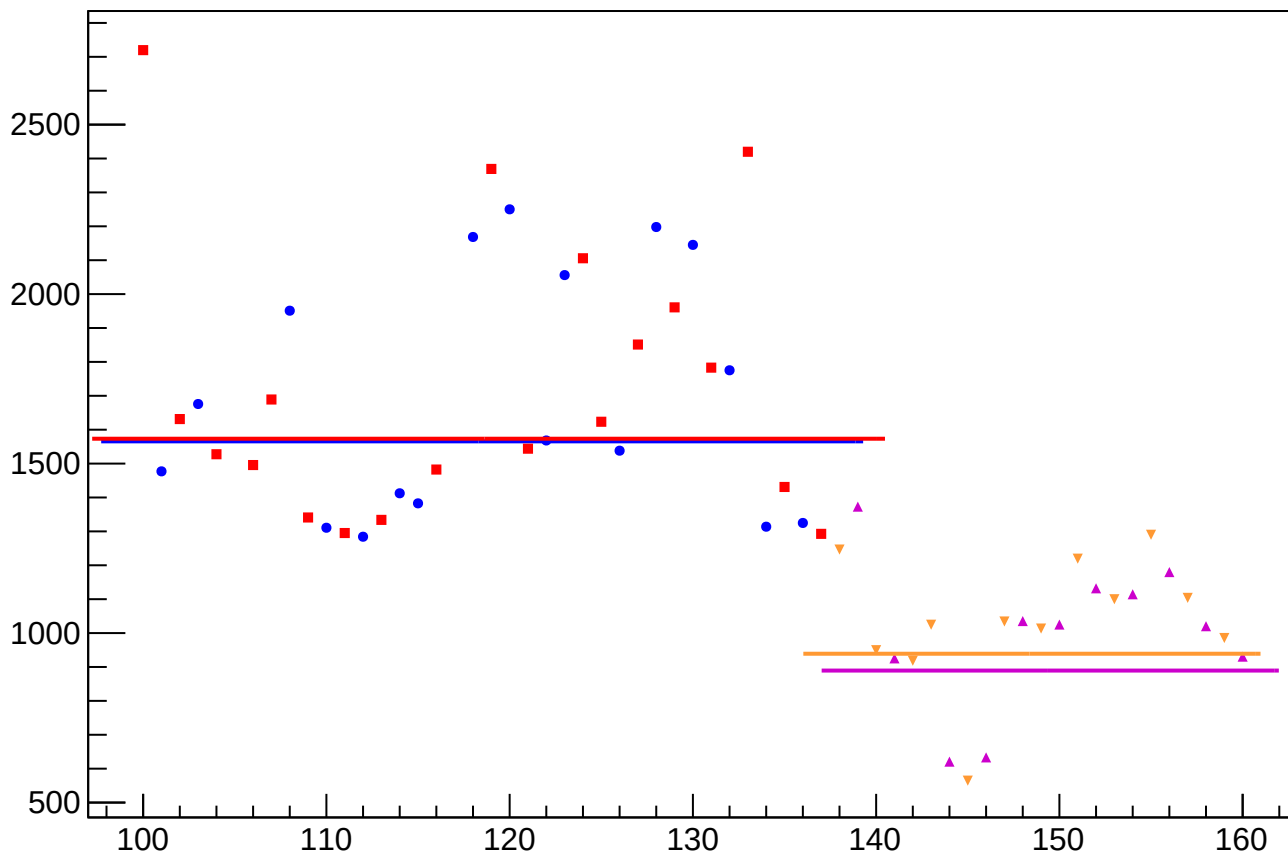
Right: -237.260 $\pm$ 431.744 χ^2/NDF : 40.8/35

In: 84.597 $\pm$ 274.859 χ^2/NDF : 34.8/27

Out: 926.300 $\pm$ 285.873 χ^2/NDF : 55.2/30

All: 488.923 $\pm$ 198.134 χ^2/NDF : 94.5/58

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1565.623 $\pm$ 0.438 χ^2 /NDF: 490790.2/16

Left Out: 939.051 $\pm$ 0.230 χ^2 /NDF: 1053948.7/11

Right Out: 1573.366 $\pm$ 0.426 χ^2 /NDF: 462040.3/18

Left In: 889.405 $\pm$ 0.217 χ^2 /NDF: 1091462.5/10

Left: 912.818 $\pm$ 0.158 χ^2 /NDF: 2170111.6/22

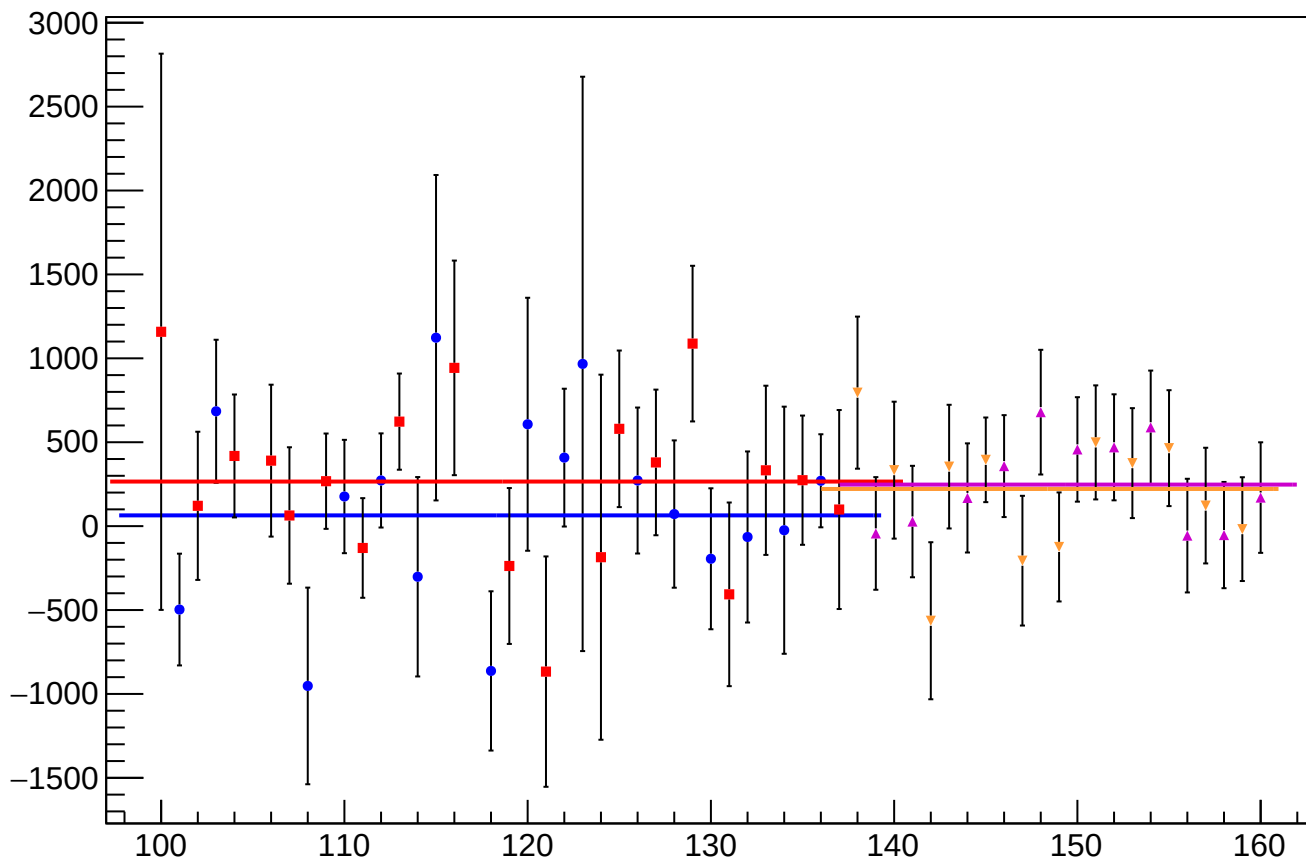
Right: 1569.597 $\pm$ 0.305 χ^2 /NDF: 952991.2/35

In: 1022.804 $\pm$ 0.194 χ^2 /NDF: 3499223.0/27

Out: 1081.788 $\pm$ 0.202 χ^2 /NDF: 3233153.5/30

All: 1051.138 $\pm$ 0.140 χ^2 /NDF: 6776619.7/58

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 64.087 ± 105.336 $\chi^2/\text{NDF}: 16.8/16$

Left Out: 221.475 ± 100.034 $\chi^2/\text{NDF}: 9.5/11$

Right Out: 265.661 ± 99.379 $\chi^2/\text{NDF}: 14.7/18$

Left In: 247.524 ± 98.780 $\chi^2/\text{NDF}: 6.5/10$

Left: 234.664 ± 70.287 $\chi^2/\text{NDF}: 16.0/22$

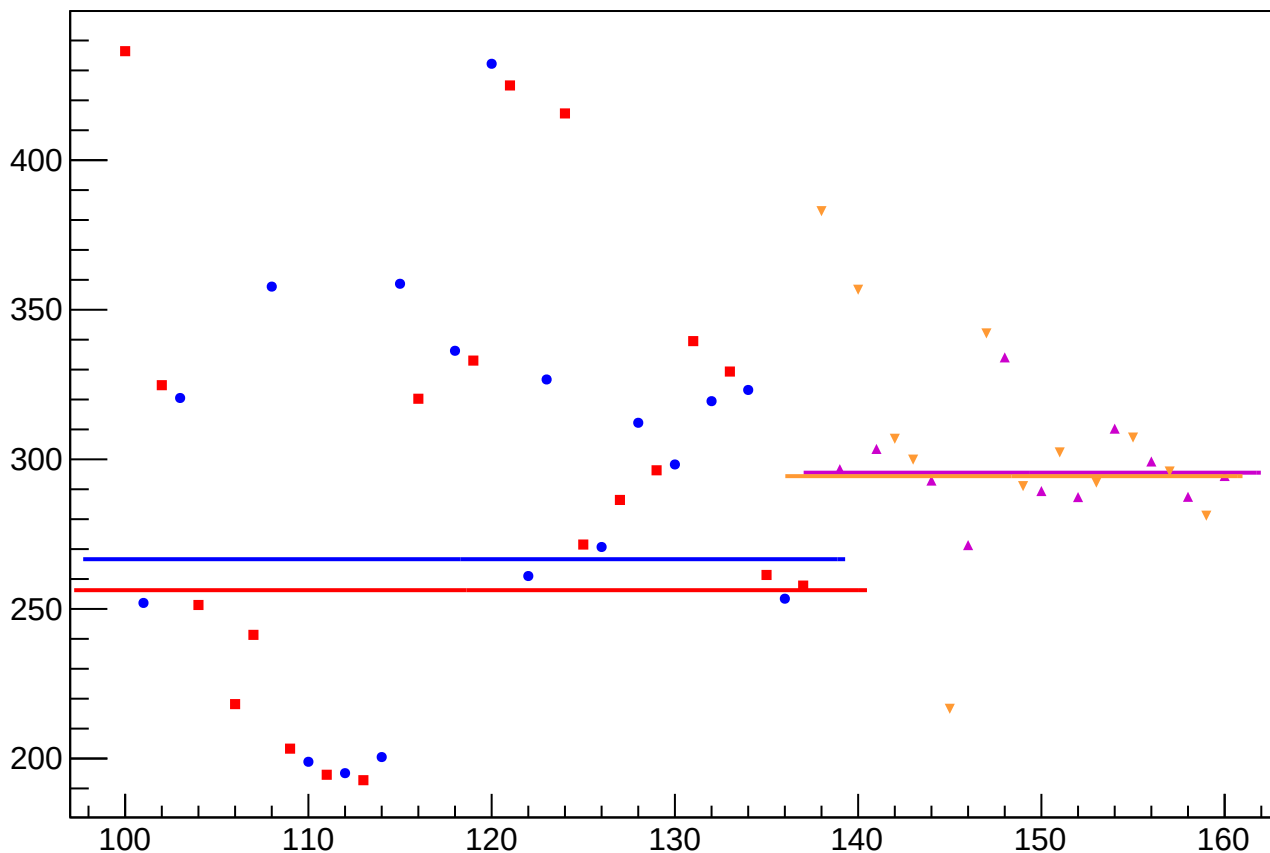
Right: 170.735 ± 72.286 $\chi^2/\text{NDF}: 33.4/35$

In: 161.691 ± 72.055 $\chi^2/\text{NDF}: 24.8/27$

Out: 243.713 ± 70.502 $\chi^2/\text{NDF}: 24.3/30$

All: 203.595 ± 50.392 $\chi^2/\text{NDF}: 49.8/58$

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.624 $\pm$ 0.074 χ^2 /NDF: 550752.5/16

Left Out: 294.383 $\pm$ 0.071 χ^2 /NDF:353374.5/11

Right Out: 256.268 $\pm$ 0.070 χ^2 /NDF: 696896.2/18

Left In: 295.544 $\pm$ 0.070 χ^2 /NDF:42985.2/10

Left: 294.971 $\pm$ 0.050 χ^2 /NDF: 396496.0/22

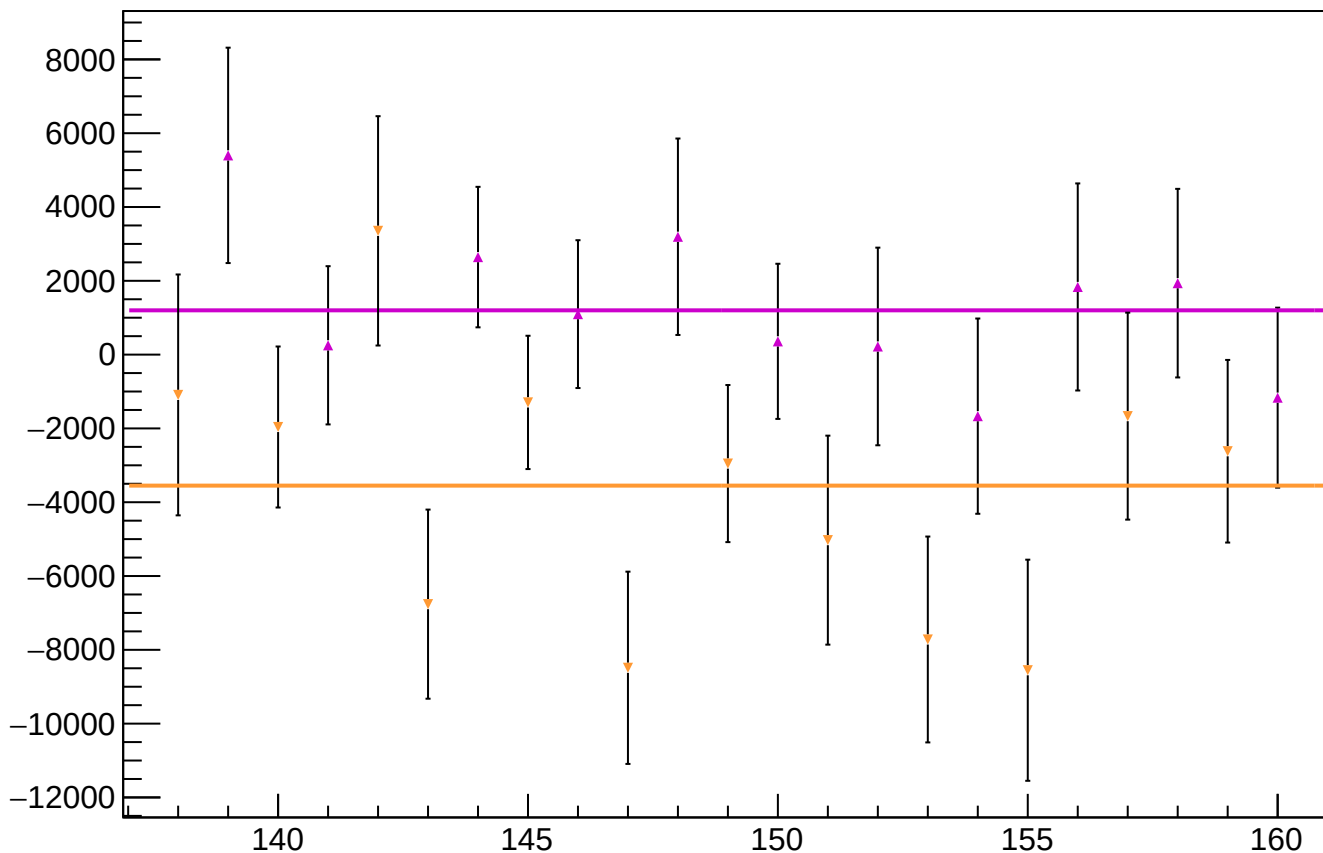
Right: 261.145 $\pm$ 0.051 χ^2 /NDF: 1257876.6/35

In: 282.012 $\pm$ 0.051 χ^2 /NDF:673947.4/27

Out: 275.201 $\pm$ 0.050 χ^2 /NDF:1196398.6/30

All: 278.532 $\pm$ 0.036 χ^2 /NDF: 1879476.4/58

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3550.034+/-727.490 χ^2/NDF :18.7/11

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

Left In: 1200.064+/-714.625 χ^2/NDF :5.9/10

Left: -1132.612+/-509.804 χ^2/NDF : 46.4/22

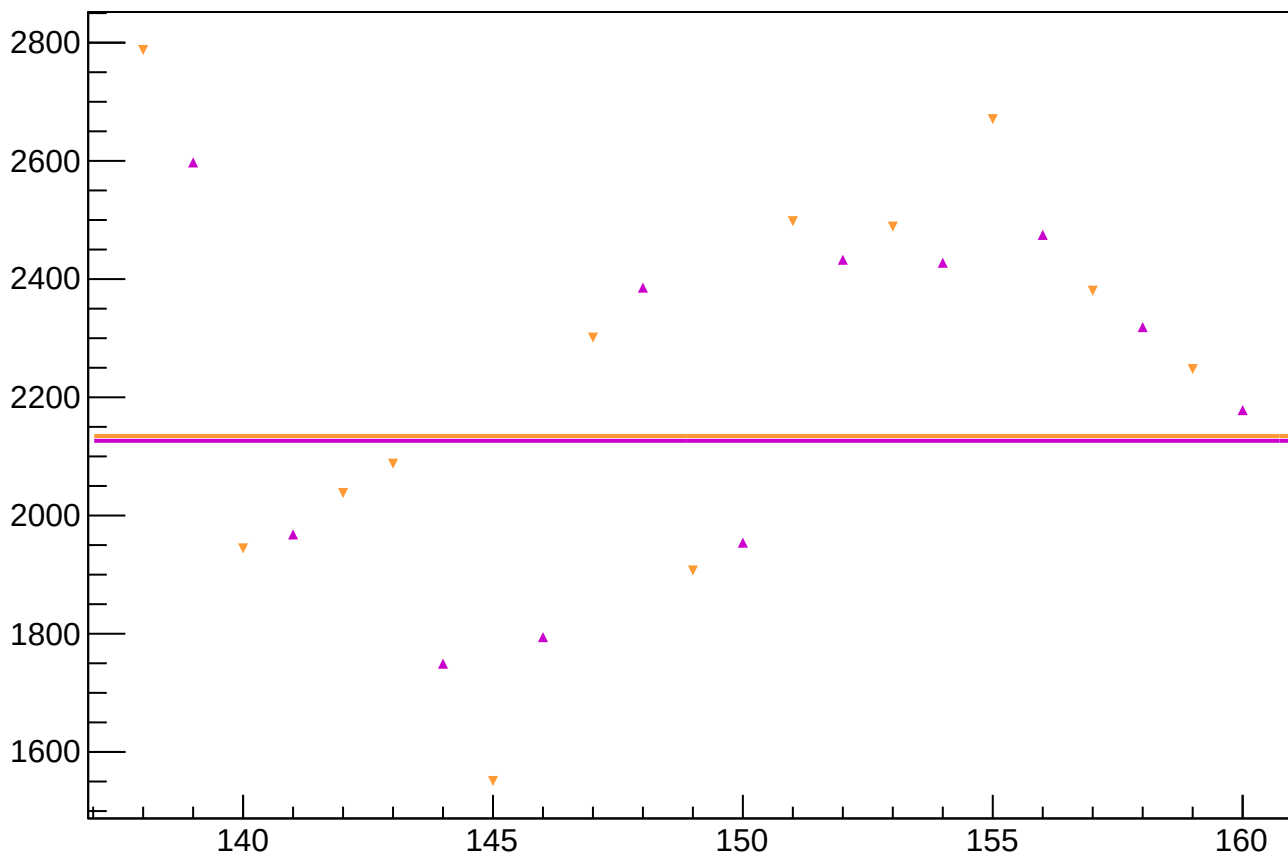
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1200.064+/-714.625 χ^2/NDF :5.9/10

Out: -3550.034+/-727.490 χ^2/NDF :18.7/11

All: -1132.612+/-509.804 χ^2/NDF : 46.4/22

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2134.465+/-0.514 χ^2/NDF :486522.5/11

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

Left In: 2126.358+/-0.505 χ^2/NDF :324020.7/10

Left: 2130.339+/-0.360 χ^2/NDF : 810669.6/22

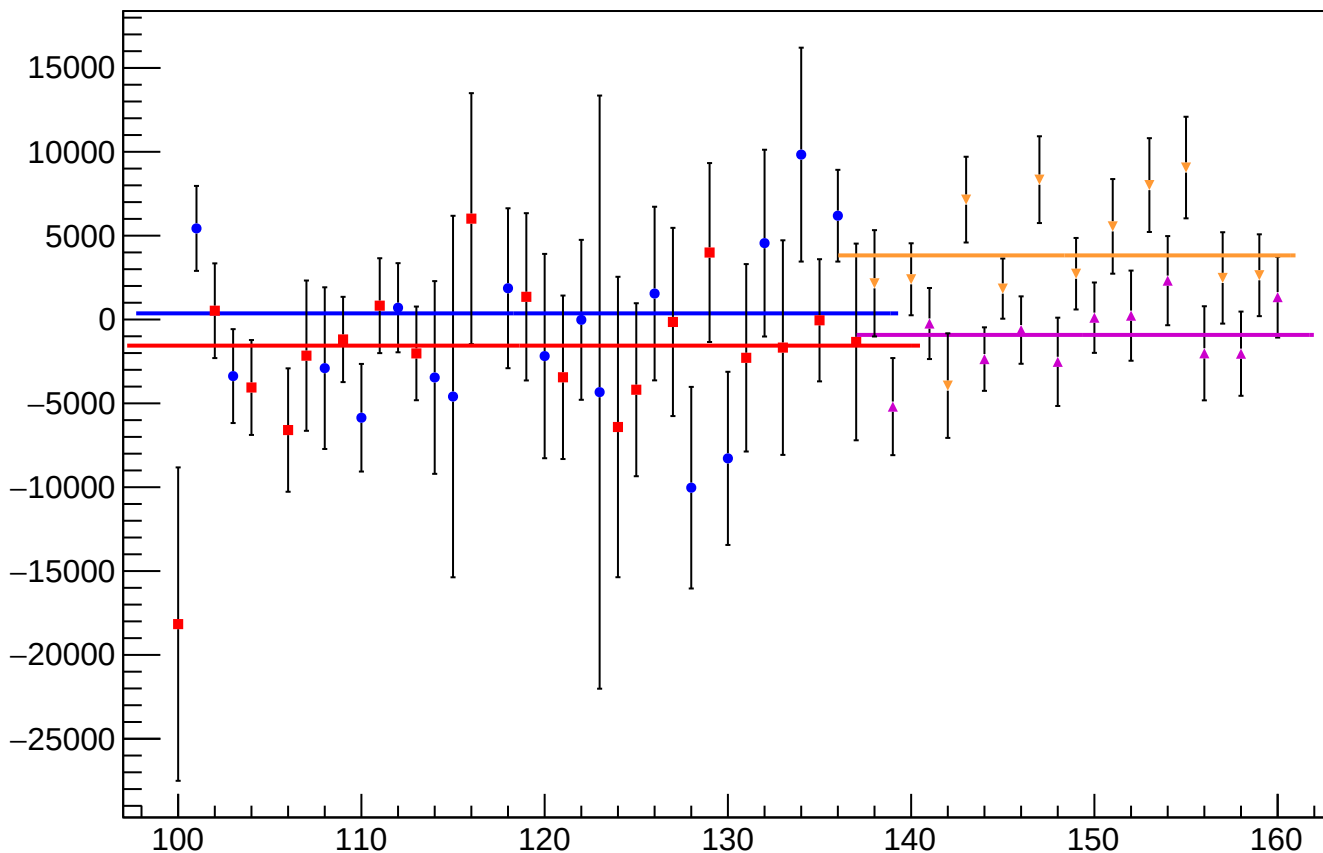
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2126.358+/-0.505 χ^2/NDF :324020.7/10

Out: 2134.465+/-0.514 χ^2/NDF :486522.5/11

All: 2130.339+/-0.360 χ^2/NDF : 810669.6/22

asym_sam4_mean vs Slug, Sign Corrected



Right In: 366.454 ± 992.480 $\chi^2/\text{NDF}: 24.2/16$

Left Out: 3823.095 ± 722.231 $\chi^2/\text{NDF}: 19.2/11$

Right Out: -1557.388 ± 924.003 $\chi^2/\text{NDF}: 10.5/18$

Left In: -918.483 ± 711.139 $\chi^2/\text{NDF}: 6.4/10$

Left: 1415.615 ± 506.727 $\chi^2/\text{NDF}: 47.5/22$

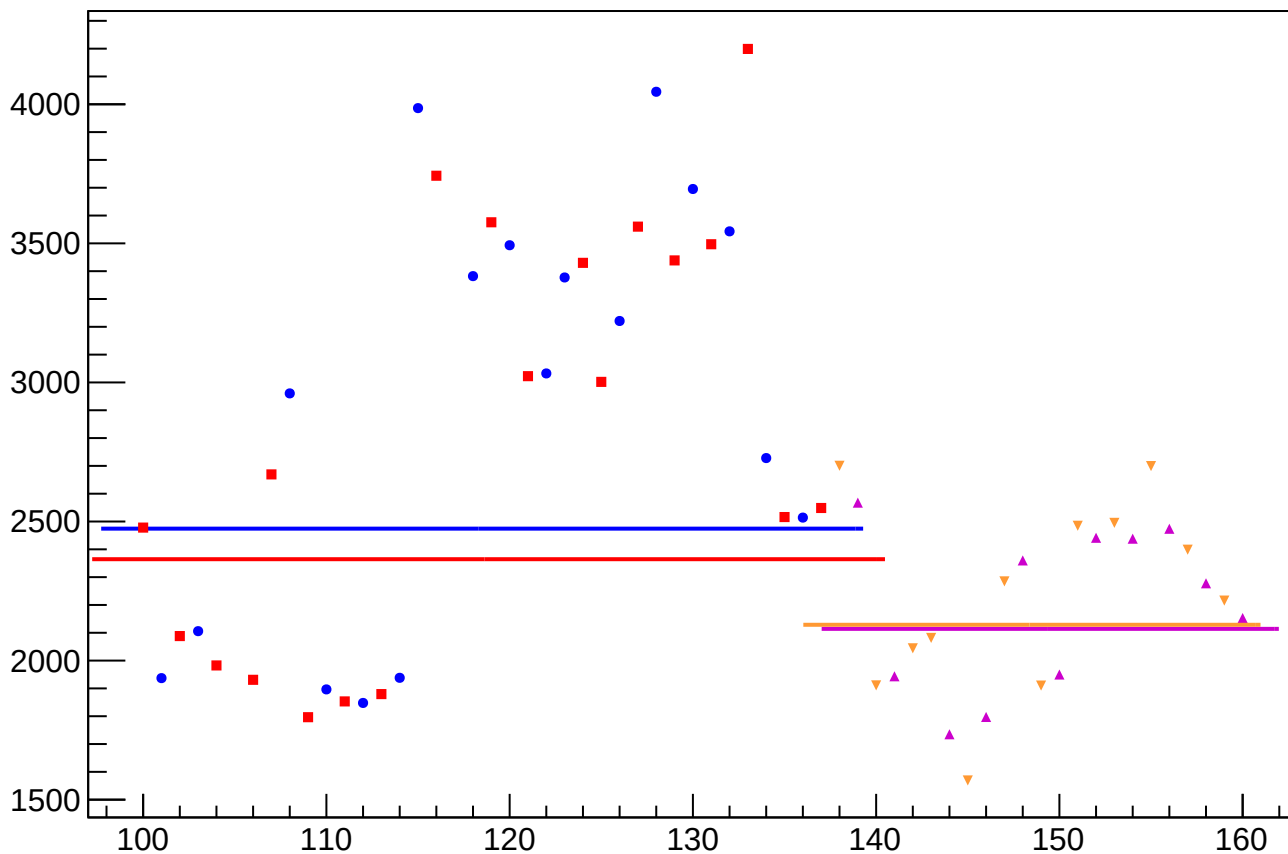
Right: -664.120 ± 676.282 $\chi^2/\text{NDF}: 36.7/35$

In: -482.580 ± 578.064 $\chi^2/\text{NDF}: 31.7/27$

Out: 1782.555 ± 569.030 $\chi^2/\text{NDF}: 50.8/30$

All: 667.826 ± 405.521 $\chi^2/\text{NDF}: 90.3/58$

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2474.389 $\pm$ 0.702 χ^2/NDF : 906262.1/16

Left Out: 2128.747 $\pm$ 0.511 χ^2/NDF : 469737.7/11

Right Out: 2364.507 $\pm$ 0.653 χ^2/NDF : 1023402.8/18

Left In: 2114.061 $\pm$ 0.503 χ^2/NDF : 322925.5/10

Left: 2121.290 $\pm$ 0.358 χ^2/NDF : 793083.1/22

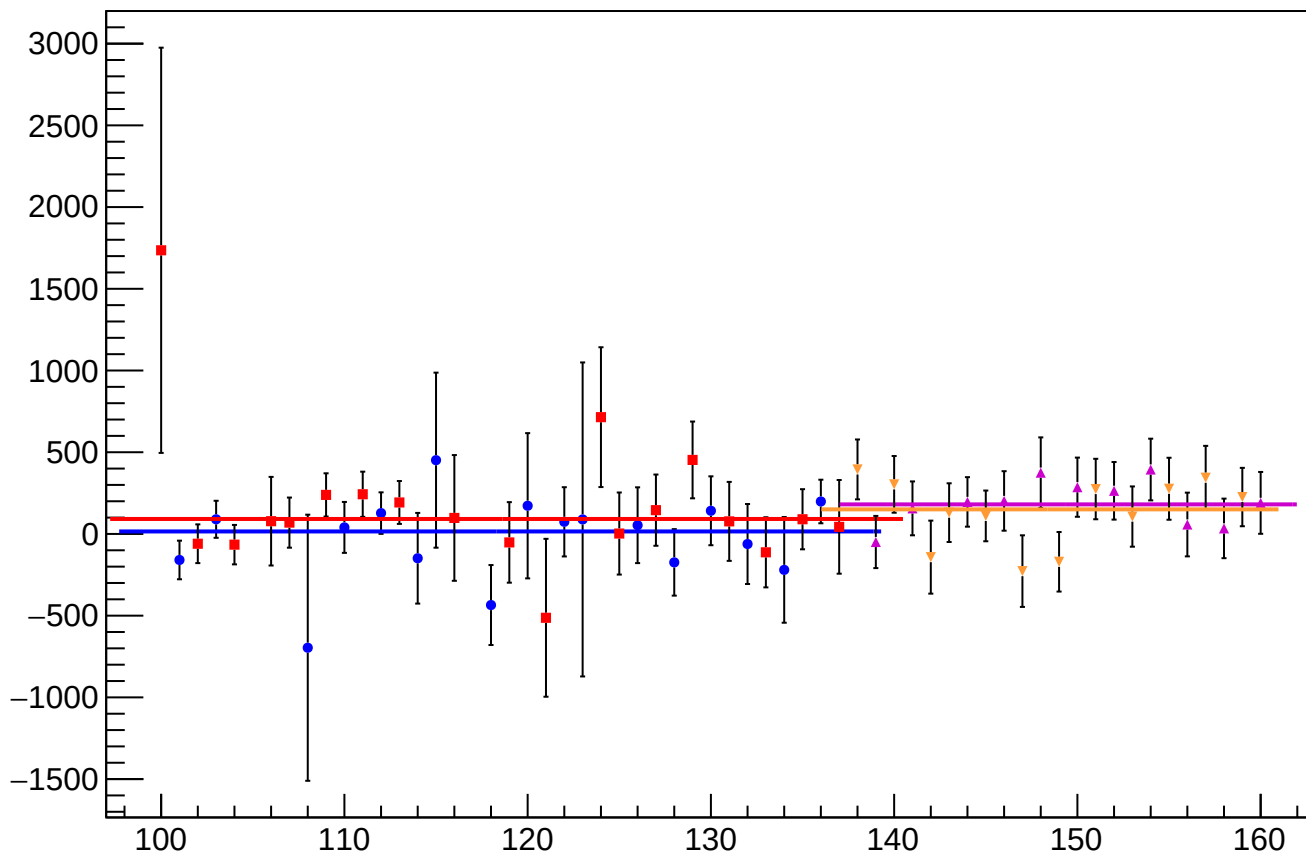
Right: 2415.527 $\pm$ 0.478 χ^2/NDF : 1942797.3/35

In: 2236.299 $\pm$ 0.409 χ^2/NDF : 1403378.5/27

Out: 2218.158 $\pm$ 0.402 χ^2/NDF : 1573965.2/30

All: 2227.086 $\pm$ 0.287 χ^2/NDF : 2978344.0/58

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 15.303 $\pm$ 46.443 χ^2/NDF : 12.6/16

Left Out: 150.384 $\pm$ 53.403 χ^2/NDF : 12.5/11

Right Out: 91.634 $\pm$ 43.318 χ^2/NDF : 15.7/18

Left In: 180.866 $\pm$ 53.731 χ^2/NDF : 5.8/10

Left: 165.532 $\pm$ 37.877 χ^2/NDF : 18.5/22

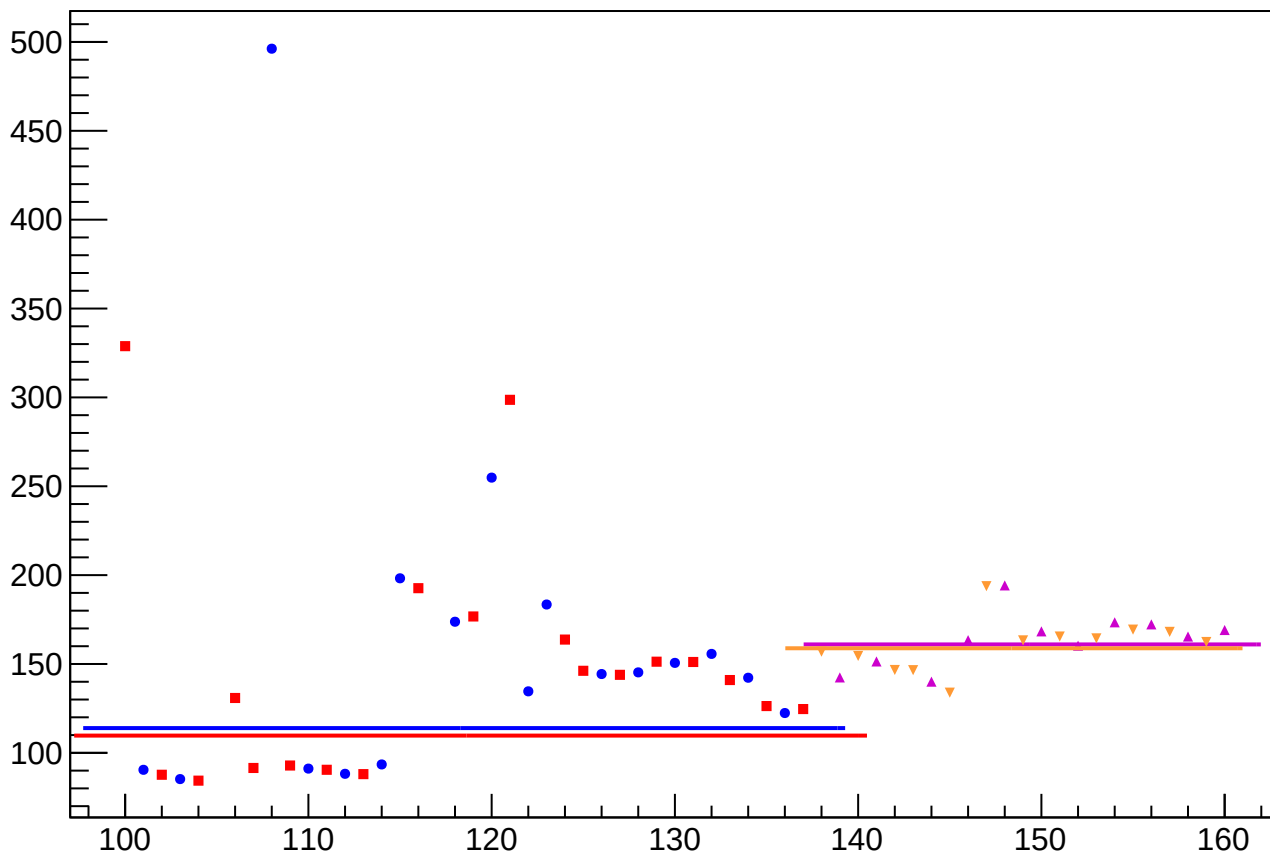
Right: 56.123 $\pm$ 31.678 χ^2/NDF : 29.7/35

In: 86.104 $\pm$ 35.137 χ^2/NDF : 23.8/27

Out: 114.949 $\pm$ 33.642 χ^2/NDF : 28.9/30

All: 101.153 $\pm$ 24.300 χ^2/NDF : 53.1/58

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.932 $\pm$ 0.033 χ^2/NDF : 1407849.3/16

Left Out: 158.845 $\pm$ 0.038 χ^2/NDF :136502.8/11

Right Out: 109.709 $\pm$ 0.031 χ^2/NDF : 1242014.6/18

Left In: 161.007 $\pm$ 0.038 χ^2/NDF :143258.9/10

Left: 159.919 $\pm$ 0.027 χ^2/NDF : 281390.4/22

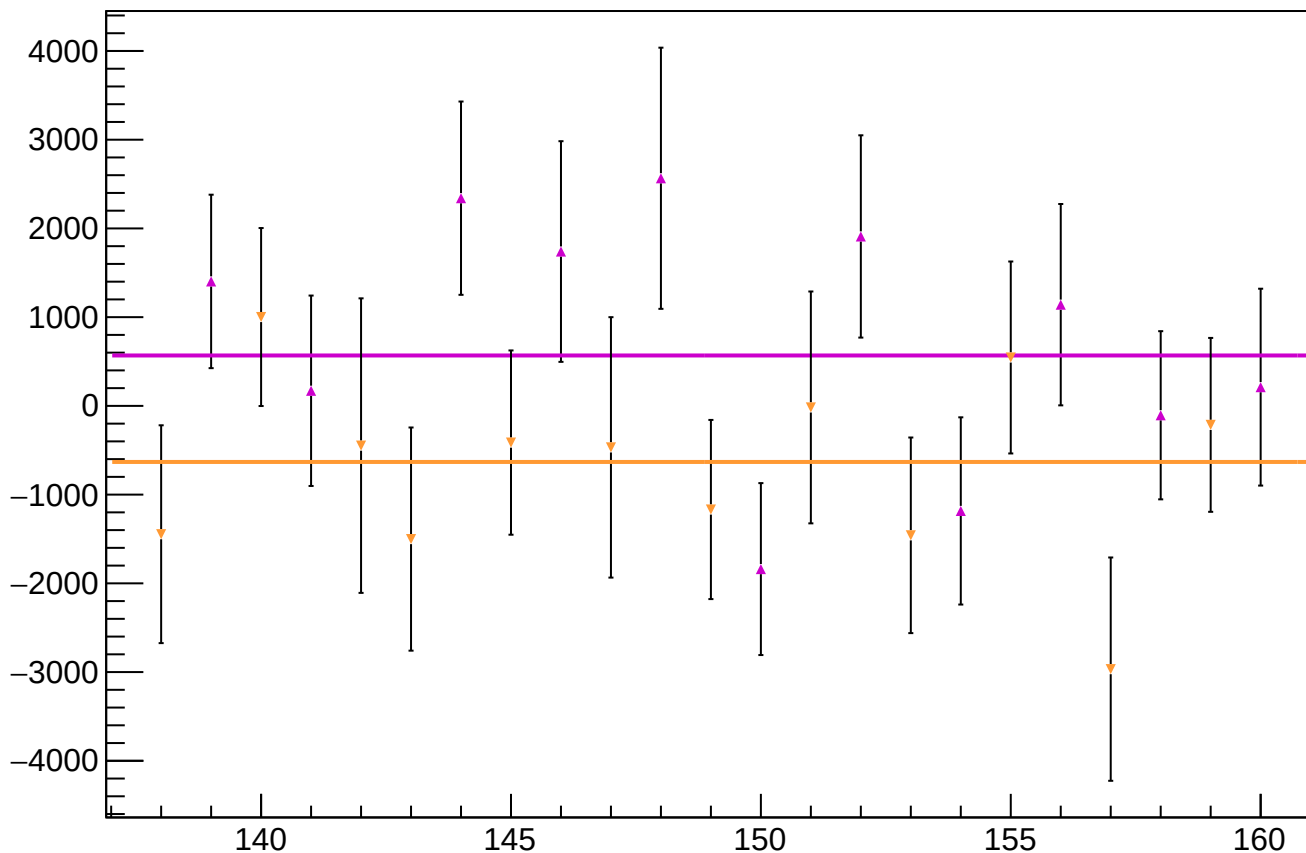
Right: 111.674 $\pm$ 0.022 χ^2/NDF : 2658703.6/35

In: 134.063 $\pm$ 0.025 χ^2/NDF :2429806.5/27

Out: 129.209 $\pm$ 0.024 χ^2/NDF :2399723.2/30

All: 131.531 $\pm$ 0.017 χ^2/NDF : 4849440.5/58

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -631.889+/-334.040 χ^2/NDF : 9.5/11

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

Left In: 568.179+/-327.869 χ^2/NDF : 17.4/10

Left: -20.668+/-233.990 χ^2/NDF : 33.5/22

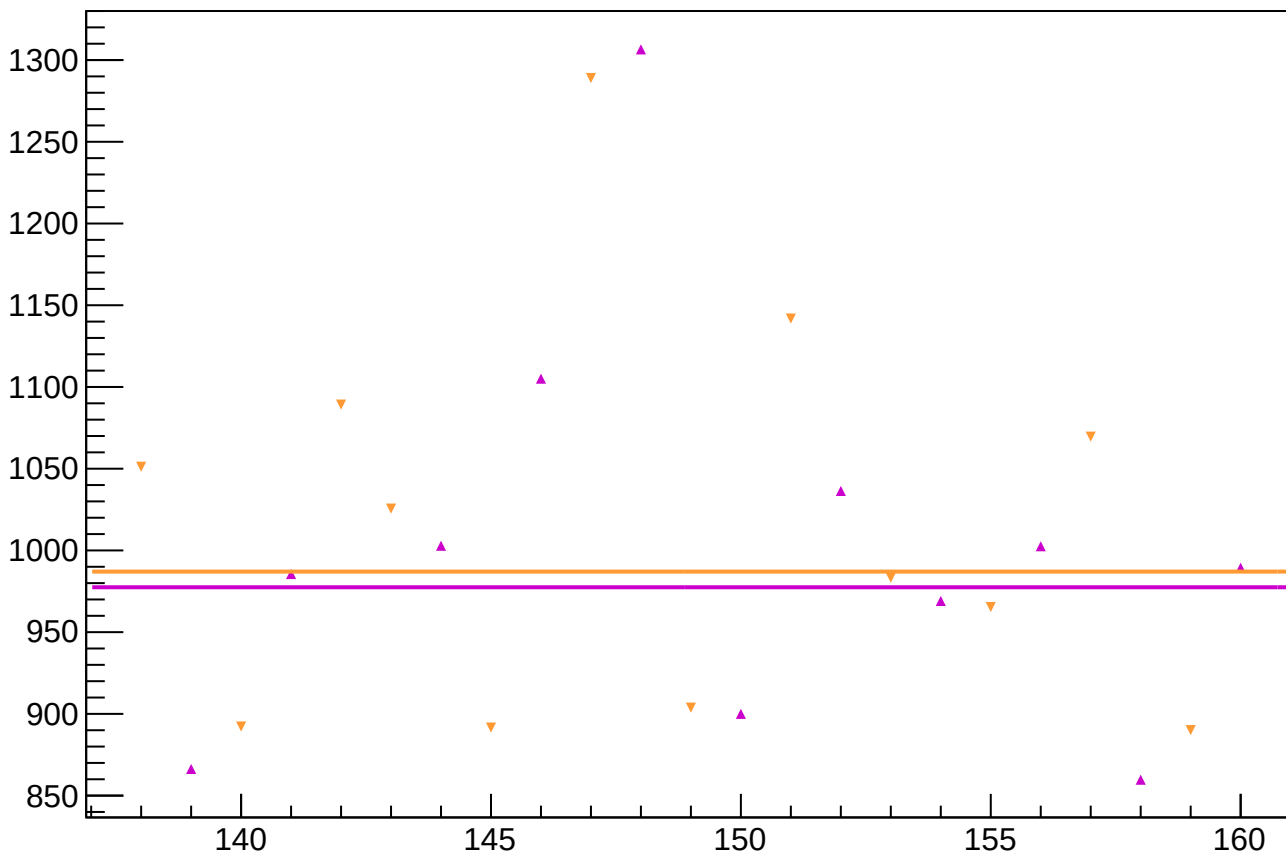
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 568.179+/-327.869 χ^2/NDF : 17.4/10

Out: -631.889+/-334.040 χ^2/NDF : 9.5/11

All: -20.668+/-233.990 χ^2/NDF : 33.5/22

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 987.057+/-0.236 χ^2/NDF :205029.8/11

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

Left In: 977.464+/-0.232 χ^2/NDF :198443.1/10

Left: 982.171+/-0.165 χ^2/NDF : 404313.0/22

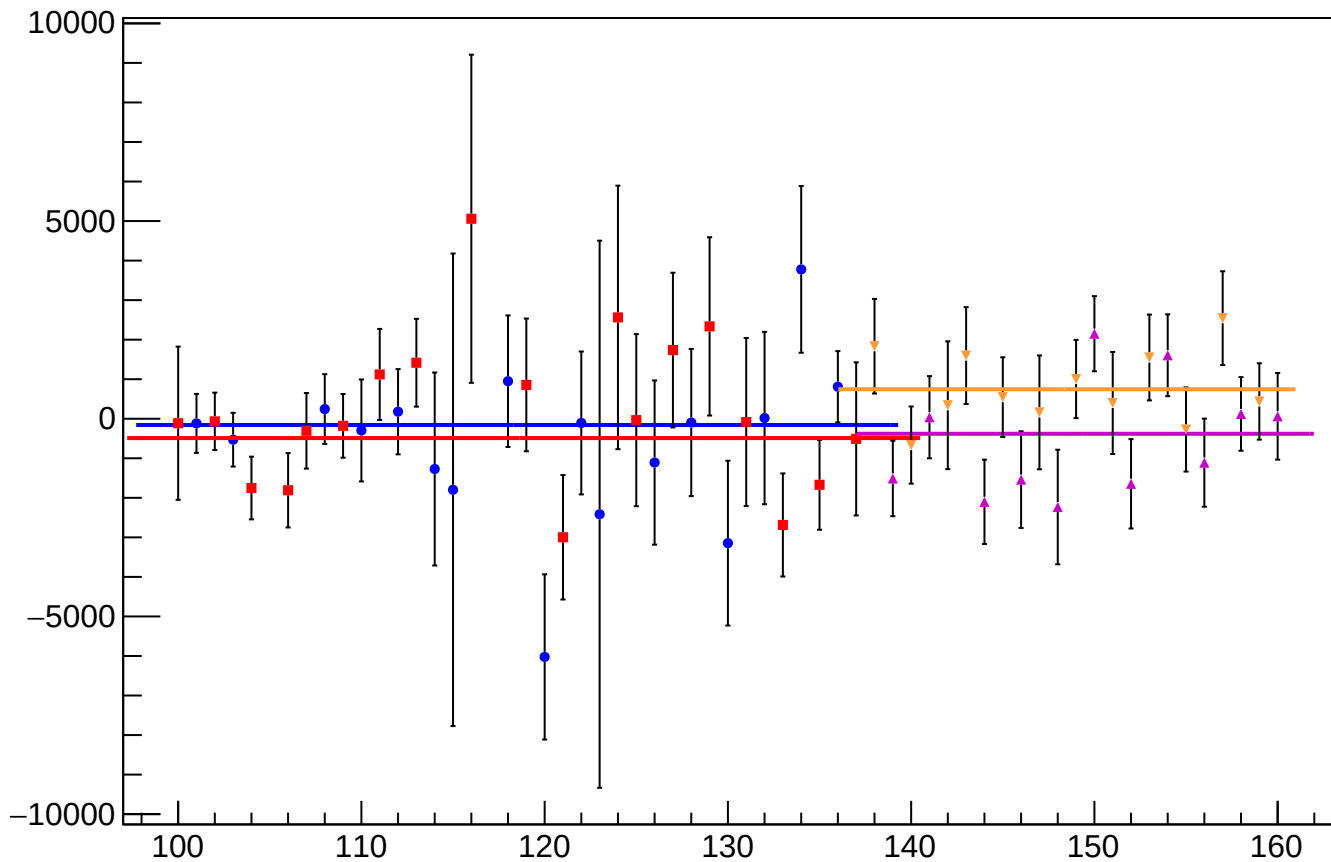
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 977.464+/-0.232 χ^2/NDF :198443.1/10

Out: 987.057+/-0.236 χ^2/NDF :205029.8/11

All: 982.171+/-0.165 χ^2/NDF : 404313.0/22

asym_sam5_mean vs Slug, Sign Corrected



Right In: -157.178 ± 312.499 $\chi^2/\text{NDF}: 16.2/16$

Left Out: 745.898 ± 326.113 $\chi^2/\text{NDF}: 7.7/11$

Right Out: -488.583 ± 282.758 $\chi^2/\text{NDF}: 22.6/18$

Left In: -379.768 ± 321.653 $\chi^2/\text{NDF}: 19.6/10$

Left: 175.315 ± 229.004 $\chi^2/\text{NDF}: 33.3/22$

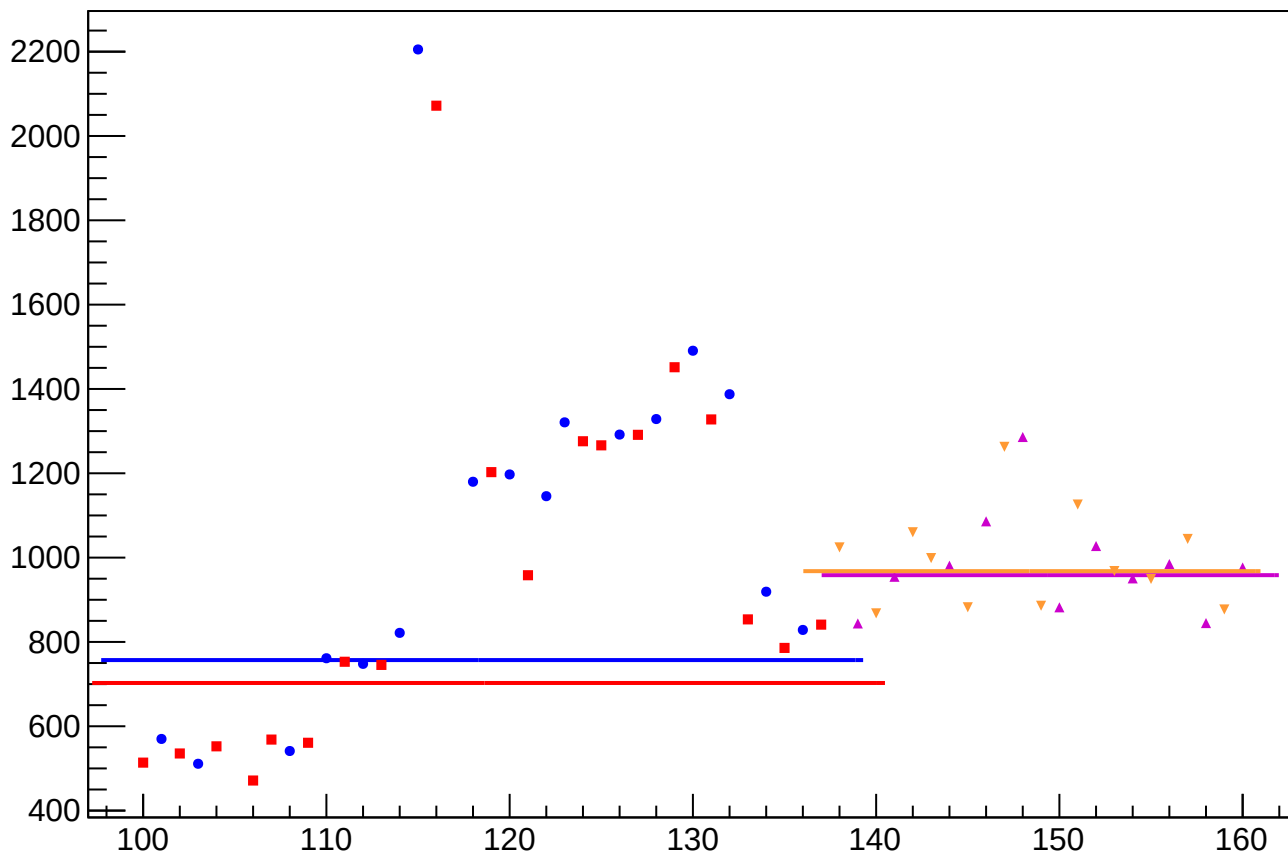
Right: -339.397 ± 209.669 $\chi^2/\text{NDF}: 39.5/35$

In: -265.261 ± 224.137 $\chi^2/\text{NDF}: 36.1/27$

Out: 41.200 ± 213.636 $\chi^2/\text{NDF}: 38.5/30$

All: -104.684 ± 154.643 $\chi^2/\text{NDF}: 75.6/58$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.985 $\pm$ 0.221 χ^2 /NDF: 1711285.9/16

Left Out: 967.901 $\pm$ 0.231 χ^2 /NDF:202073.3/11

Right Out: 702.656 $\pm$ 0.200 χ^2 /NDF: 1689579.7/18

Left In: 958.383 $\pm$ 0.227 χ^2 /NDF:205743.5/10

Left: 963.076 $\pm$ 0.162 χ^2 /NDF: 408680.3/22

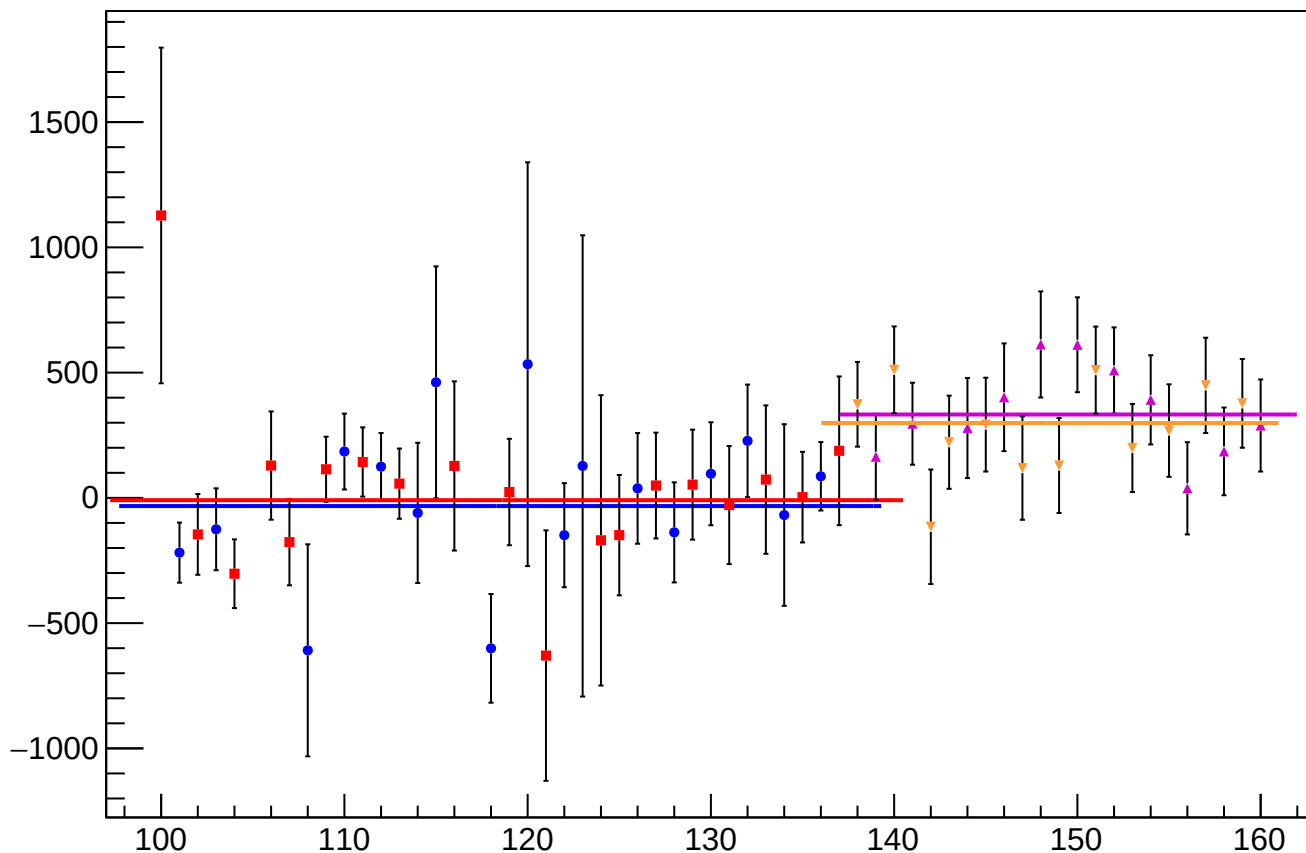
Right: 727.113 $\pm$ 0.148 χ^2 /NDF: 3434103.1/35

In: 854.777 $\pm$ 0.158 χ^2 /NDF:2320388.9/27

Out: 816.487 $\pm$ 0.151 χ^2 /NDF:2646928.3/30

All: 834.714 $\pm$ 0.109 χ^2 /NDF: 4997901.4/58

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.694±48.431 χ^2/NDF : 19.7/16

Left Out: 298.721±53.413 χ^2/NDF : 9.4/11

Right Out: -9.277±45.600 χ^2/NDF : 14.7/18

Left In: 332.800±55.430 χ^2/NDF : 9.6/10

Left: 315.129±38.462 χ^2/NDF : 19.1/22

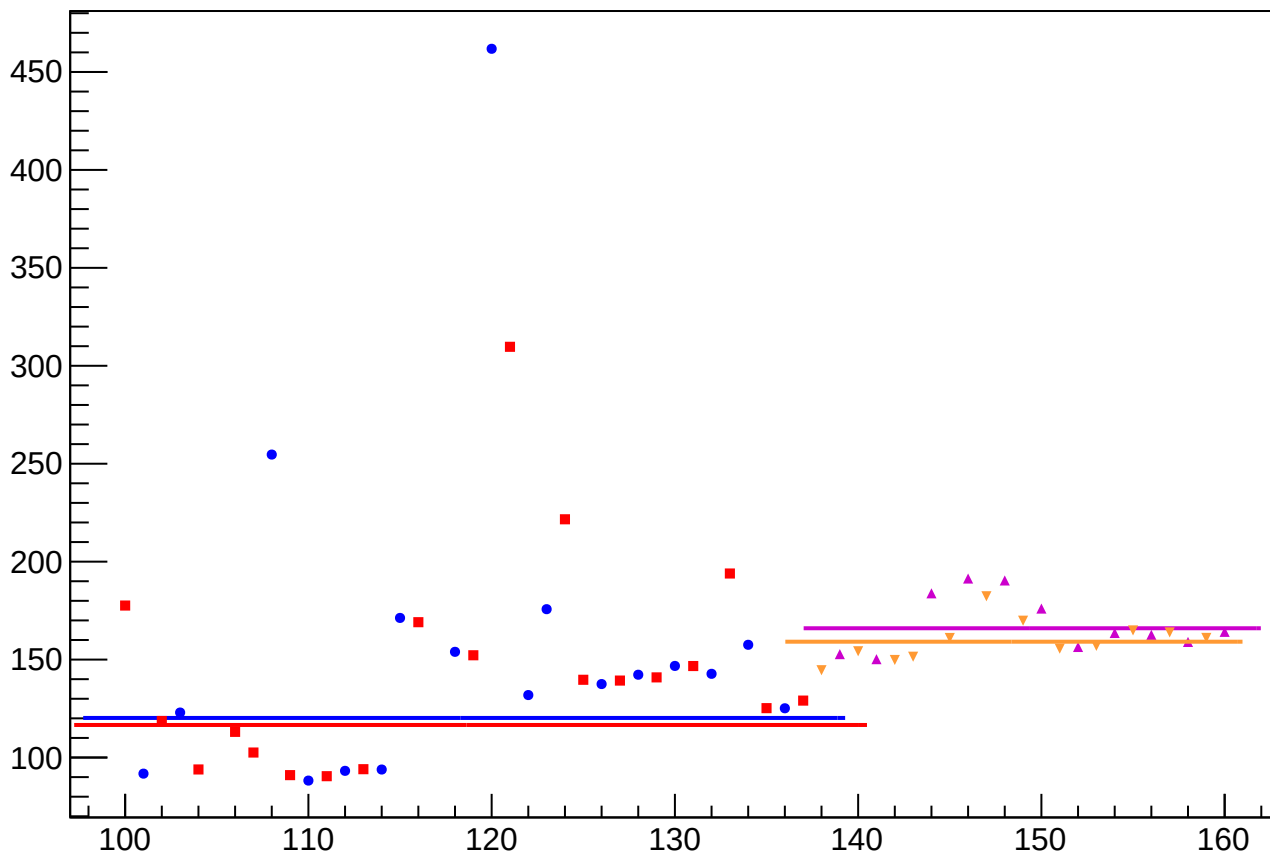
Right: -20.281±33.200 χ^2/NDF : 34.6/35

In: 125.534±36.471 χ^2/NDF : 54.0/27

Out: 120.568±34.680 χ^2/NDF : 43.3/30

All: 122.926±25.132 χ^2/NDF : 97.3/58

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.207 $\pm$ 0.034 χ^2 /NDF: 1062326.6/16

Left Out: 159.133 $\pm$ 0.038 χ^2 /NDF: 59623.0/11

Right Out: 116.618 $\pm$ 0.032 χ^2 /NDF: 997956.6/18

Left In: 165.996 $\pm$ 0.039 χ^2 /NDF: 117097.1/10

Left: 162.437 $\pm$ 0.027 χ^2 /NDF: 192616.7/22

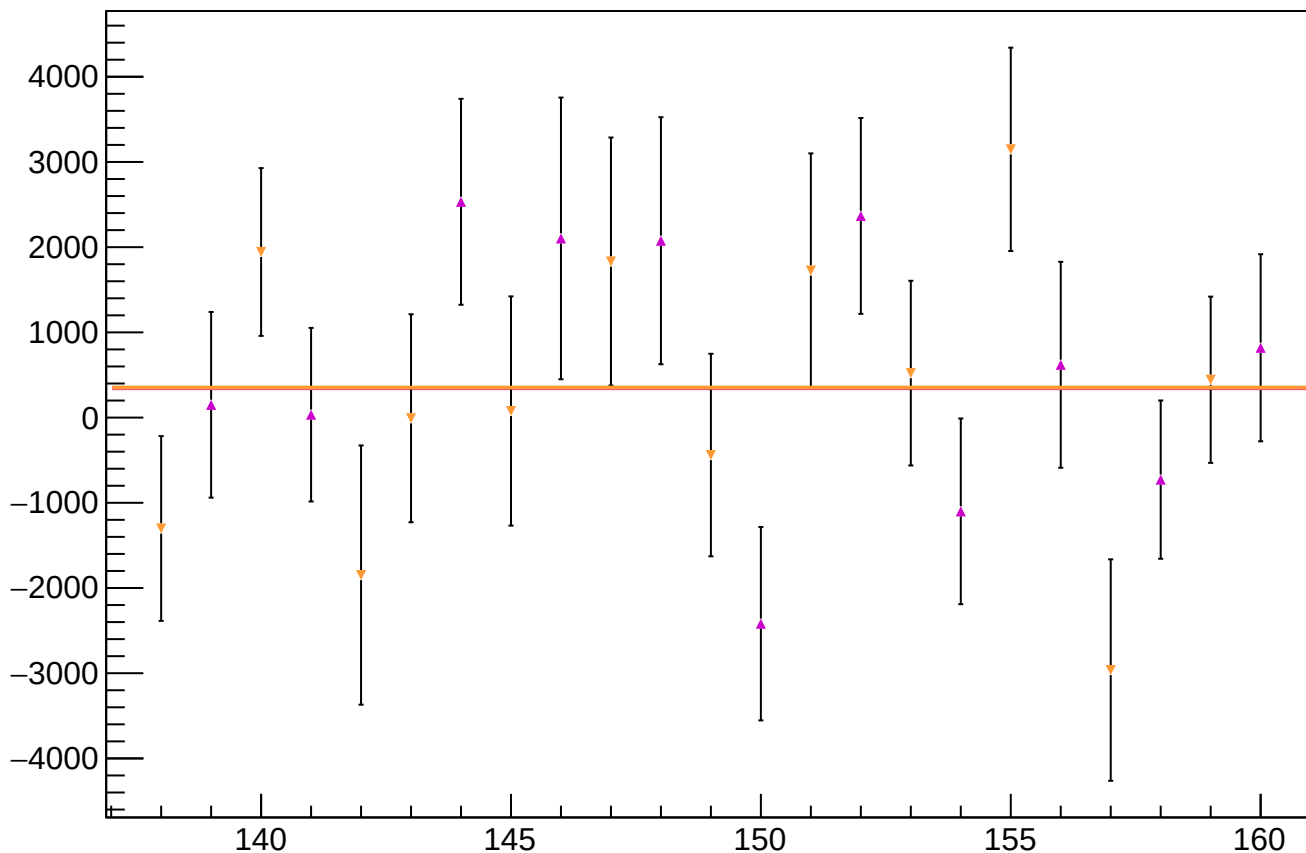
Right: 118.304 $\pm$ 0.023 χ^2 /NDF: 2066104.2/35

In: 140.029 $\pm$ 0.026 χ^2 /NDF: 1953359.7/27

Out: 134.541 $\pm$ 0.025 χ^2 /NDF: 1790514.8/30

All: 137.147 $\pm$ 0.018 χ^2 /NDF: 3767658.0/58

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 351.783+/-344.147 χ^2/NDF :21.7/11

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

Left In: 345.773+/-345.406 χ^2/NDF :18.3/10

Left: 348.789+/-243.792 χ^2/NDF : 40.0/22

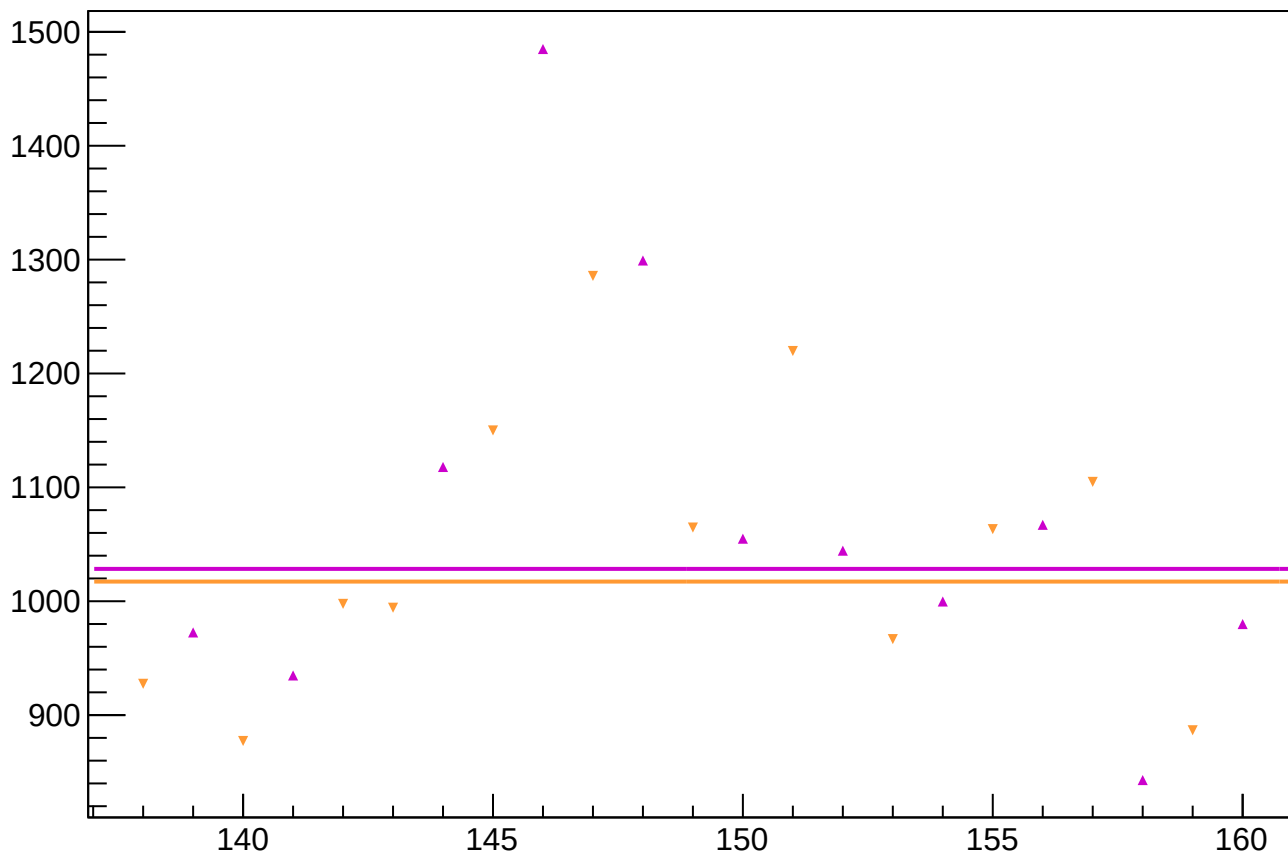
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 345.773+/-345.406 χ^2/NDF :18.3/10

Out: 351.783+/-344.147 χ^2/NDF :21.7/11

All: 348.789+/-243.792 χ^2/NDF : 40.0/22

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1017.267+/-0.243 χ^2/NDF :241444.5/11

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

Left In: 1028.410+/-0.244 χ^2/NDF :344007.9/10

Left: 1022.818+/-0.172 χ^2/NDF : 586497.0/22

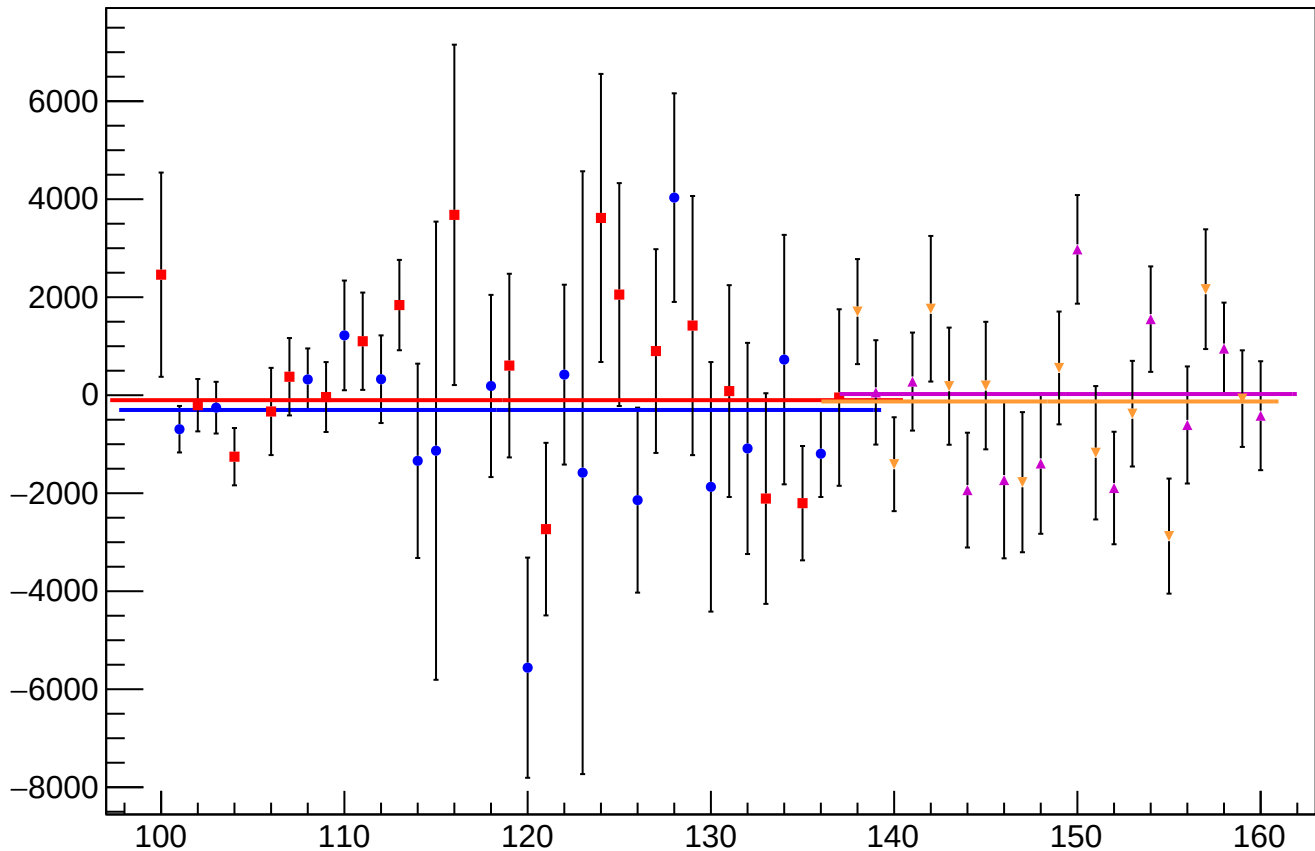
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1028.410+/-0.244 χ^2/NDF :344007.9/10

Out: 1017.267+/-0.243 χ^2/NDF :241444.5/11

All: 1022.818+/-0.172 χ^2/NDF : 586497.0/22

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.000 ± 250.042 χ^2/NDF : 16.8/16

Left Out: -127.473 ± 337.633 χ^2/NDF : 17.8/11

Right Out: -100.857 ± 245.981 χ^2/NDF : 22.5/18

Left In: 24.075 ± 341.591 χ^2/NDF : 18.4/10

Left: -52.582 ± 240.130 χ^2/NDF : 36.3/22

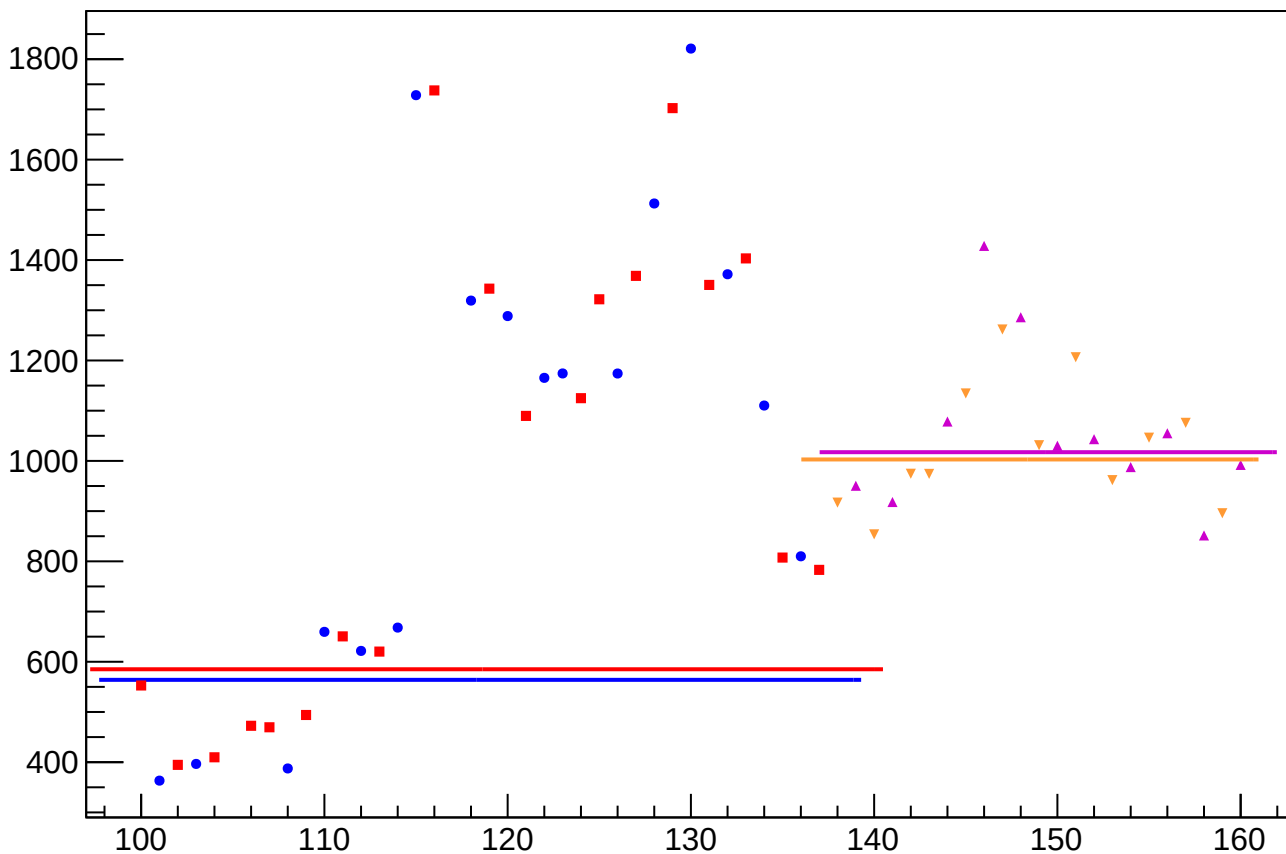
Right: -199.290 ± 175.353 χ^2/NDF : 39.7/35

In: -187.588 ± 201.764 χ^2/NDF : 35.8/27

Out: -110.086 ± 198.813 χ^2/NDF : 40.3/30

All: -148.266 ± 141.614 χ^2/NDF : 76.2/58

asym_sam6_rms vs Slug, Sign Corrected



Right In: 564.003 $\pm$ 0.177 χ^2 /NDF: 3261491.3/16

Left Out: 1002.881 $\pm$ 0.239 χ^2 /NDF:231536.9/11

Right Out: 585.070 $\pm$ 0.174 χ^2 /NDF: 2820837.8/18

Left In: 1017.371 $\pm$ 0.242 χ^2 /NDF:303768.8/10

Left: 1010.042 $\pm$ 0.170 χ^2 /NDF: 537126.0/22

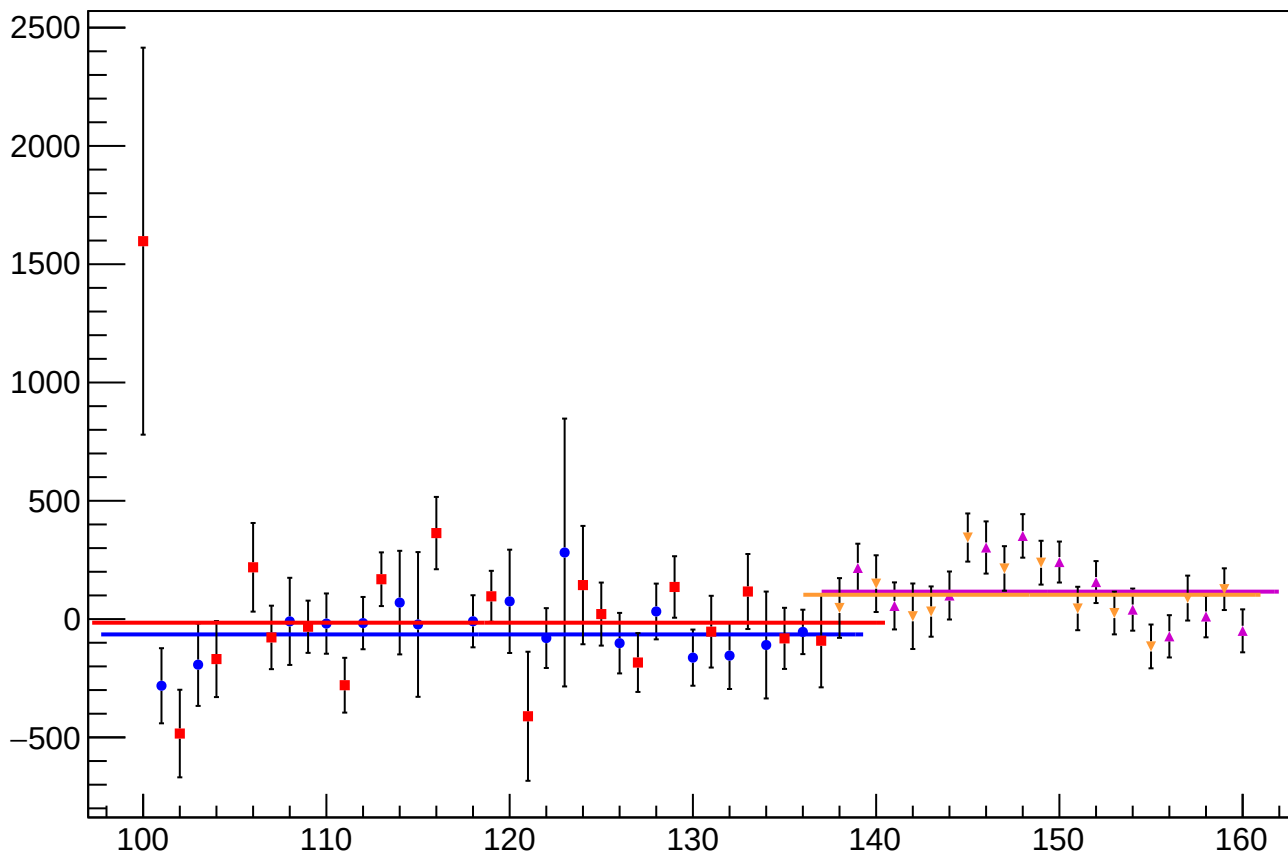
Right: 574.709 $\pm$ 0.124 χ^2 /NDF: 6089543.5/35

In: 722.174 $\pm$ 0.143 χ^2 /NDF:5859190.3/27

Out: 729.940 $\pm$ 0.141 χ^2 /NDF:5053105.9/30

All: 726.115 $\pm$ 0.100 χ^2 /NDF: 10913799.5/58

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.797 $\pm$ 34.629 χ^2/NDF : 6.2/16

Left Out: 102.824 $\pm$ 28.909 χ^2/NDF :17.2/11

Right Out: -15.294 $\pm$ 33.422 χ^2/NDF : 35.0/18

Left In: 116.014 $\pm$ 28.214 χ^2/NDF :23.0/10

Left: 109.580 $\pm$ 20.191 χ^2/NDF : 40.3/22

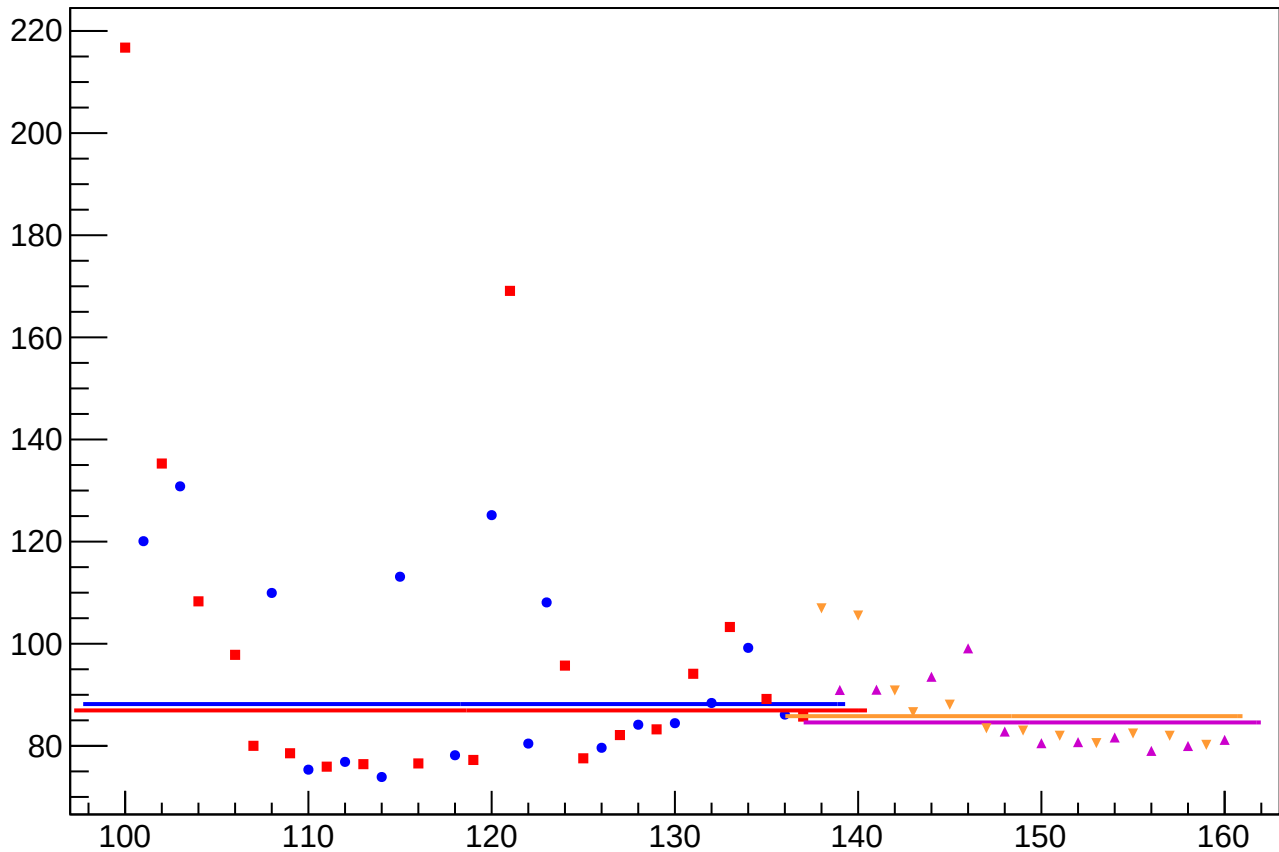
Right: -39.167 $\pm$ 24.048 χ^2/NDF : 42.2/35

In: 43.877 $\pm$ 21.873 χ^2/NDF :45.6/27

Out: 52.273 $\pm$ 21.864 χ^2/NDF :59.3/30

All: 48.077 $\pm$ 15.464 χ^2/NDF : 105.0/58

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 88.186 ± 0.024 χ^2/NDF : 394447.7/16

Left Out: 85.819 ± 0.020 χ^2/NDF : 141344.6/11

Right Out: 86.943 ± 0.024 χ^2/NDF : 531359.9/18

Left In: 84.588 ± 0.020 χ^2/NDF : 93376.6/10

Left: 85.188 ± 0.014 χ^2/NDF : 236579.9/22

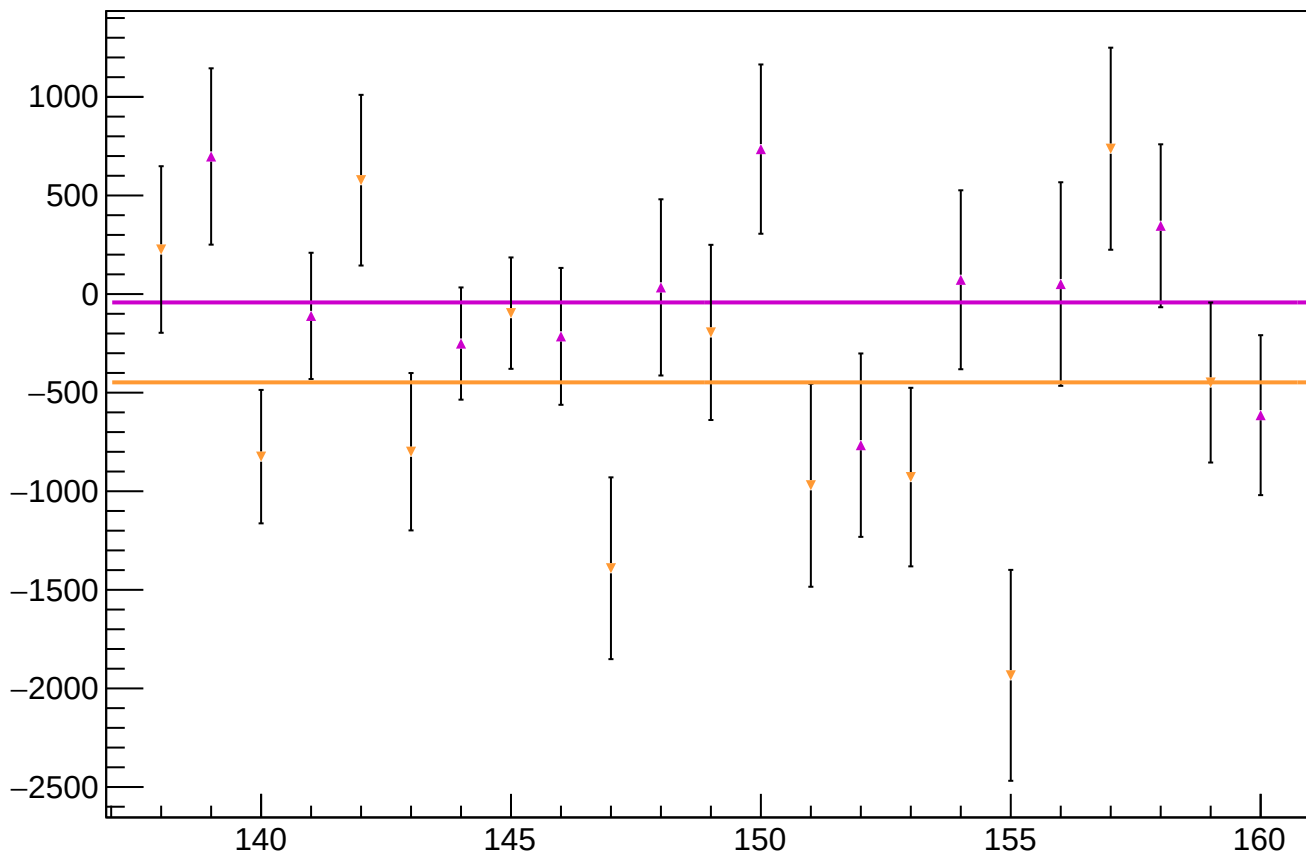
Right: 87.542 ± 0.017 χ^2/NDF : 927142.1/35

In: 86.023 ± 0.015 χ^2/NDF : 500803.7/27

Out: 86.300 ± 0.015 χ^2/NDF : 673997.7/30

All: 86.162 ± 0.011 χ^2/NDF : 1174961.6/58

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -447.814+/-119.279 χ^2/NDF :31.4/11

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

Left In: -42.423+/-118.671 χ^2/NDF :12.3/10

Left: -244.083+/-84.127 χ^2/NDF : 49.5/22

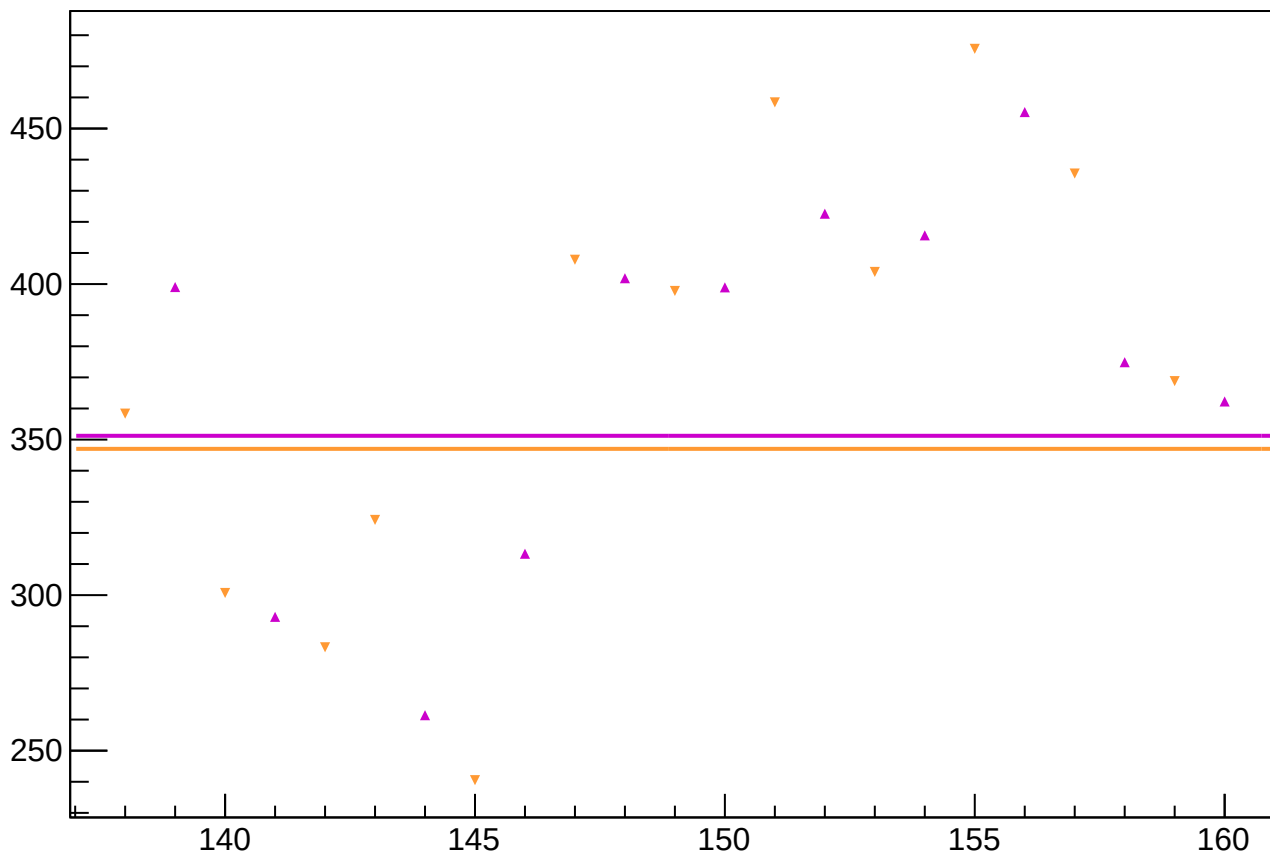
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -42.423+/-118.671 χ^2/NDF :12.3/10

Out: -447.814+/-119.279 χ^2/NDF :31.4/11

All: -244.083+/-84.127 χ^2/NDF : 49.5/22

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 347.026+/-0.084 χ^2/NDF : 740383.7/11

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

Left In: 351.224+/-0.084 χ^2/NDF : 539286.0/10

Left: 349.136+/-0.059 χ^2/NDF : 1280914.3/22

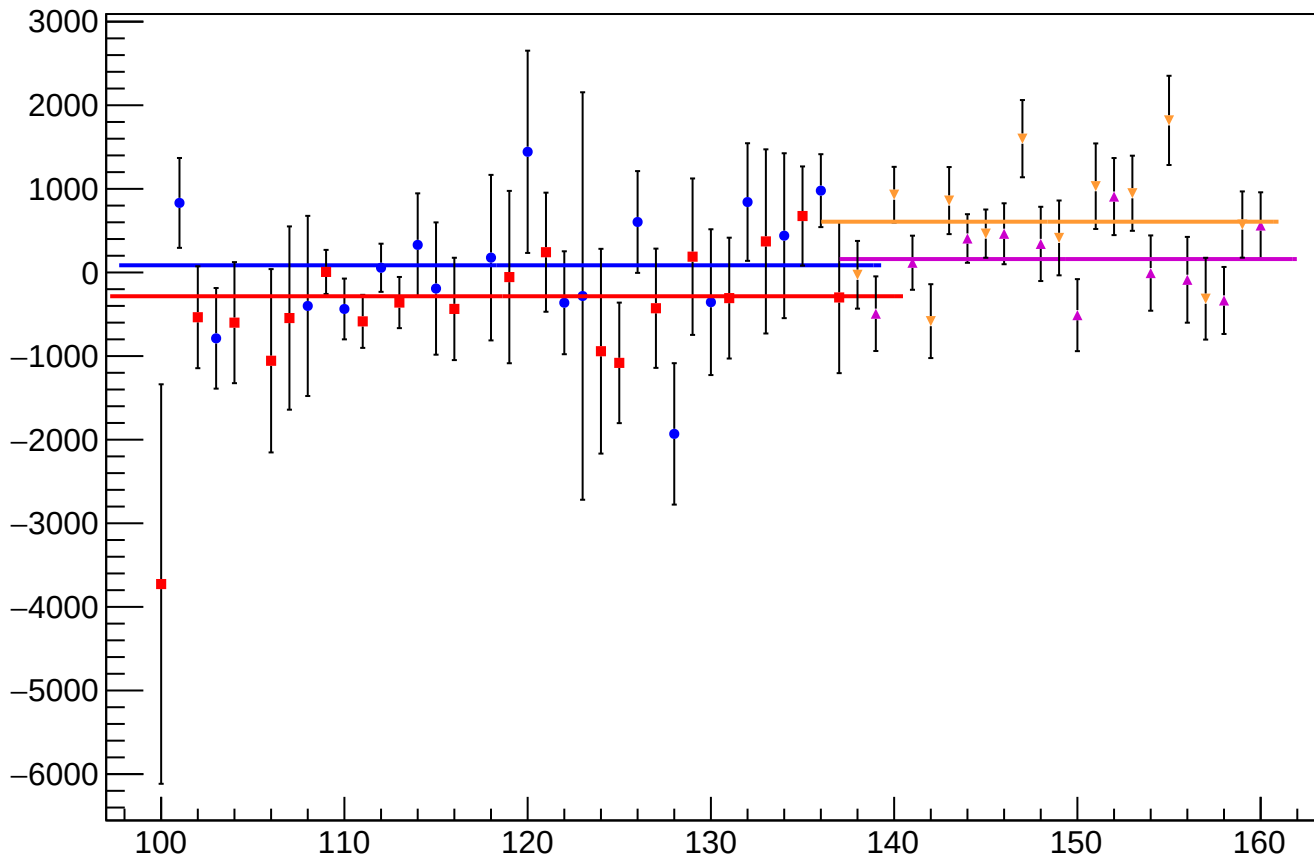
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 351.224+/-0.084 χ^2/NDF : 539286.0/10

Out: 347.026+/-0.084 χ^2/NDF : 740383.7/11

All: 349.136+/-0.059 χ^2/NDF : 1280914.3/22

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.810 ± 142.601 χ^2/NDF : 20.6/16

Left Out: 607.176 ± 118.670 χ^2/NDF : 26.1/11

Right Out: -284.456 ± 129.599 χ^2/NDF : 10.6/18

Left In: 160.365 ± 119.192 χ^2/NDF : 11.7/10

Left: 384.751 ± 84.096 χ^2/NDF : 44.8/22

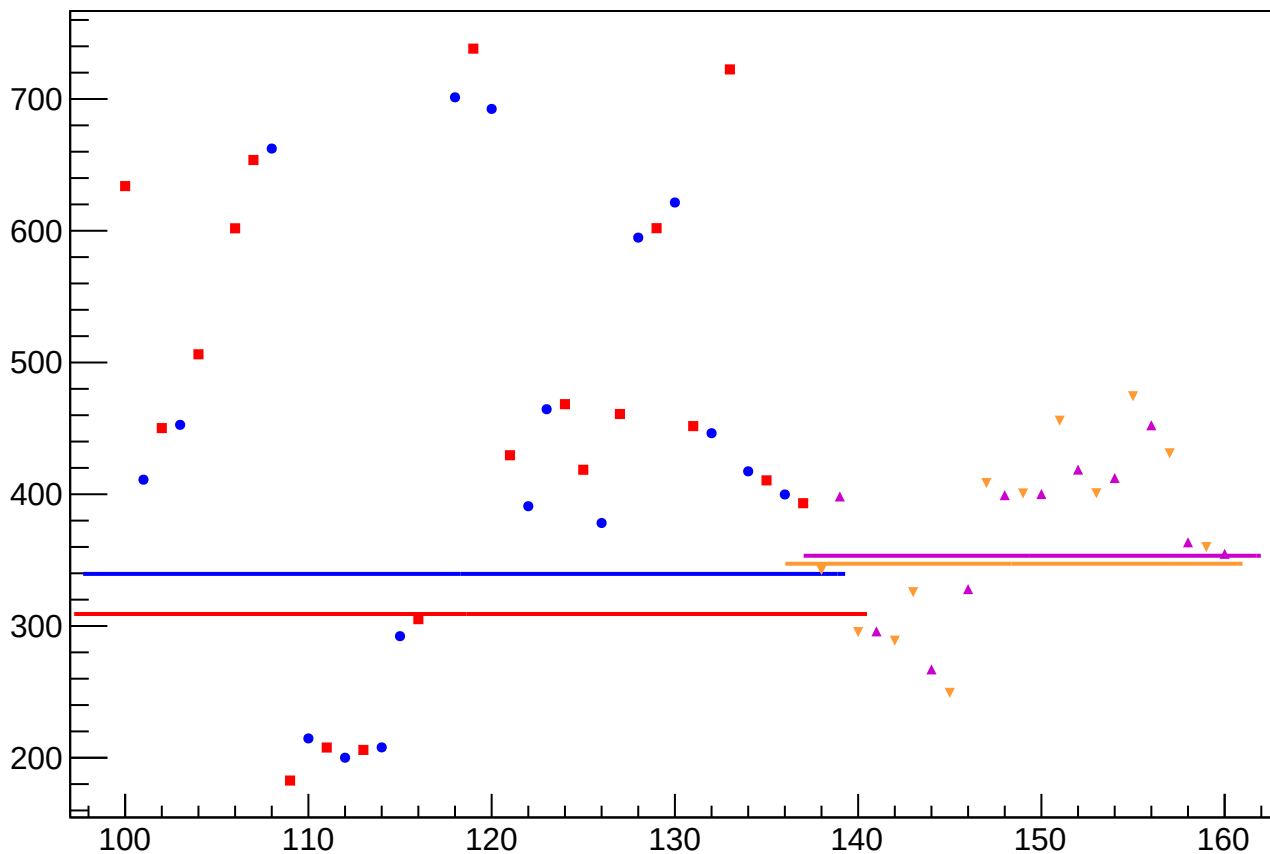
Right: -116.969 ± 95.908 χ^2/NDF : 34.9/35

In: 129.701 ± 91.453 χ^2/NDF : 32.4/27

Out: 200.536 ± 87.521 χ^2/NDF : 62.4/30

All: 166.674 ± 63.231 χ^2/NDF : 95.2/58

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.553+/-0.101 χ^2/NDF : 2042244.1/16

Left Out: 347.255+/-0.084 χ^2/NDF : 677071.7/11

Right Out: 309.105+/-0.092 χ^2/NDF : 2730308.7/18

Left In: 353.333+/-0.084 χ^2/NDF : 464468.2/10

Left: 350.281+/-0.059 χ^2/NDF : 1144151.9/22

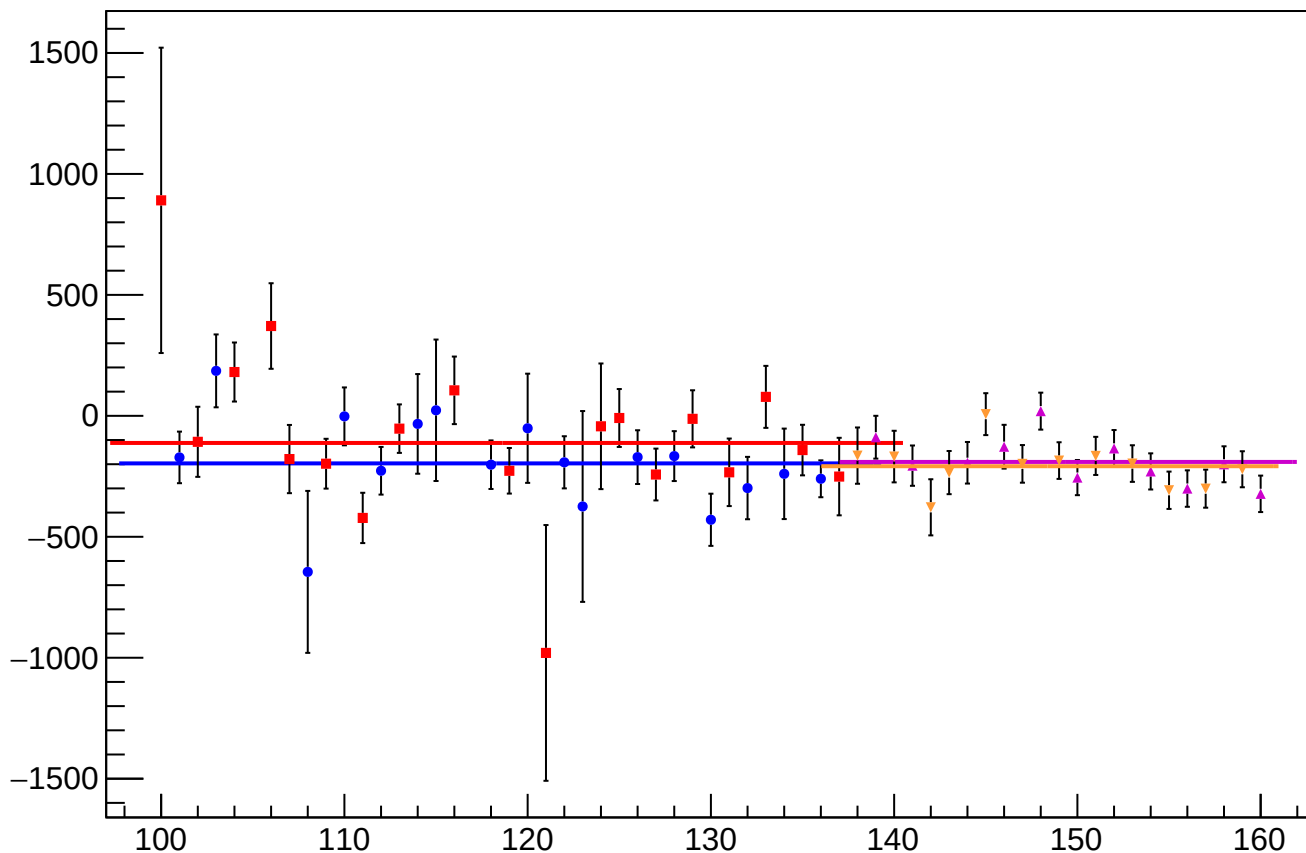
Right: 322.878+/-0.068 χ^2/NDF : 4822487.1/35

In: 347.665+/-0.065 χ^2/NDF : 2517708.1/27

Out: 329.856+/-0.062 χ^2/NDF : 3501648.2/30

All: 338.370+/-0.045 χ^2/NDF : 6058943.5/58

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.599 ± 30.399 $\chi^2/\text{NDF}: 19.0/16$

Left Out: -208.292 ± 24.395 $\chi^2/\text{NDF}: 12.2/11$

Right Out: -112.097 ± 29.622 $\chi^2/\text{NDF}: 39.3/18$

Left In: -190.544 ± 23.735 $\chi^2/\text{NDF}: 16.2/10$

Left: -199.175 ± 17.012 $\chi^2/\text{NDF}: 28.7/22$

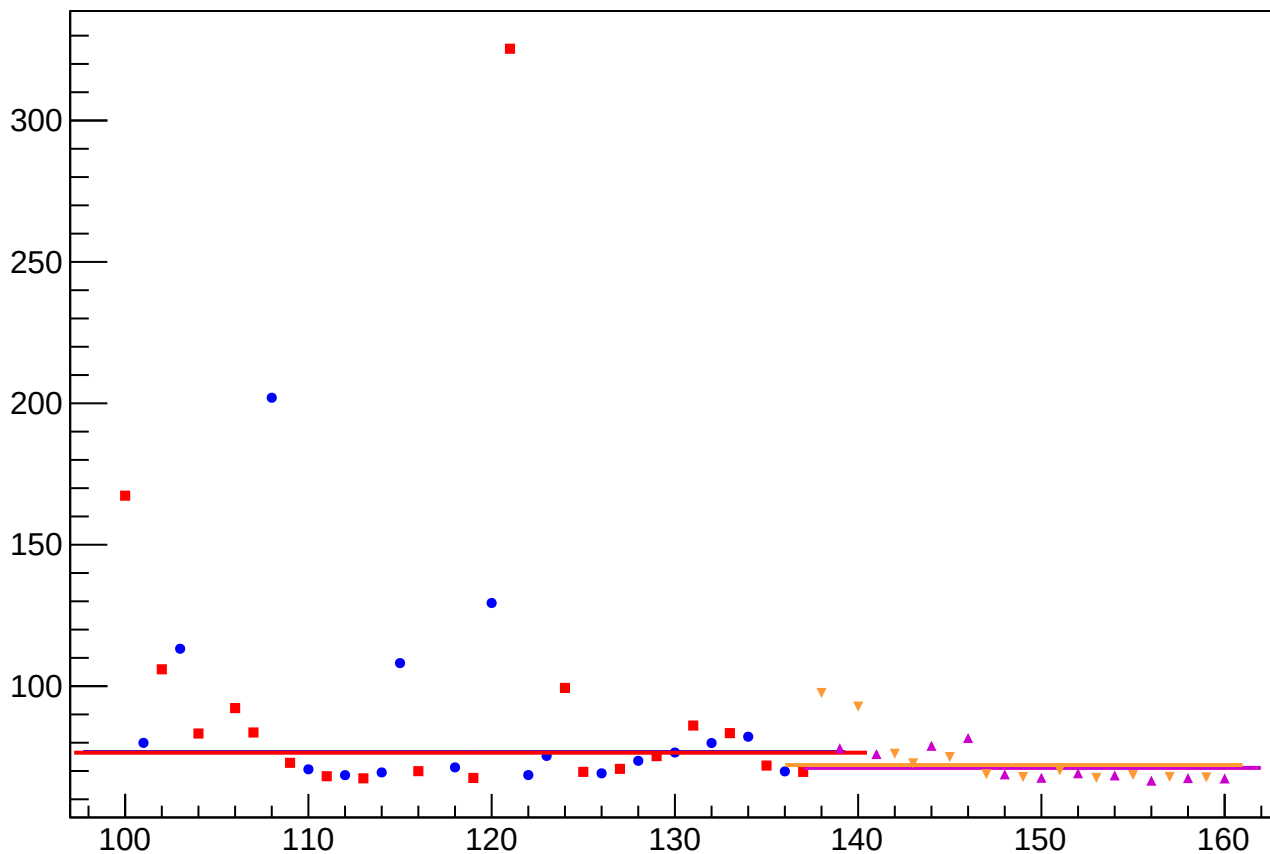
Right: -153.254 ± 21.215 $\chi^2/\text{NDF}: 62.3/35$

In: -192.837 ± 18.708 $\chi^2/\text{NDF}: 35.3/27$

Out: -169.417 ± 18.831 $\chi^2/\text{NDF}: 57.8/30$

All: -181.204 ± 13.272 $\chi^2/\text{NDF}: 93.9/58$

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 76.692 $\pm$ 0.021 χ^2 /NDF: 600348.1/16

Left Out: 72.105 $\pm$ 0.017 χ^2 /NDF:210615.6/11

Right Out: 76.479 $\pm$ 0.021 χ^2 /NDF: 699361.8/18

Left In: 71.094 $\pm$ 0.017 χ^2 /NDF:89961.8/10

Left: 71.585 $\pm$ 0.012 χ^2 /NDF: 302341.3/22

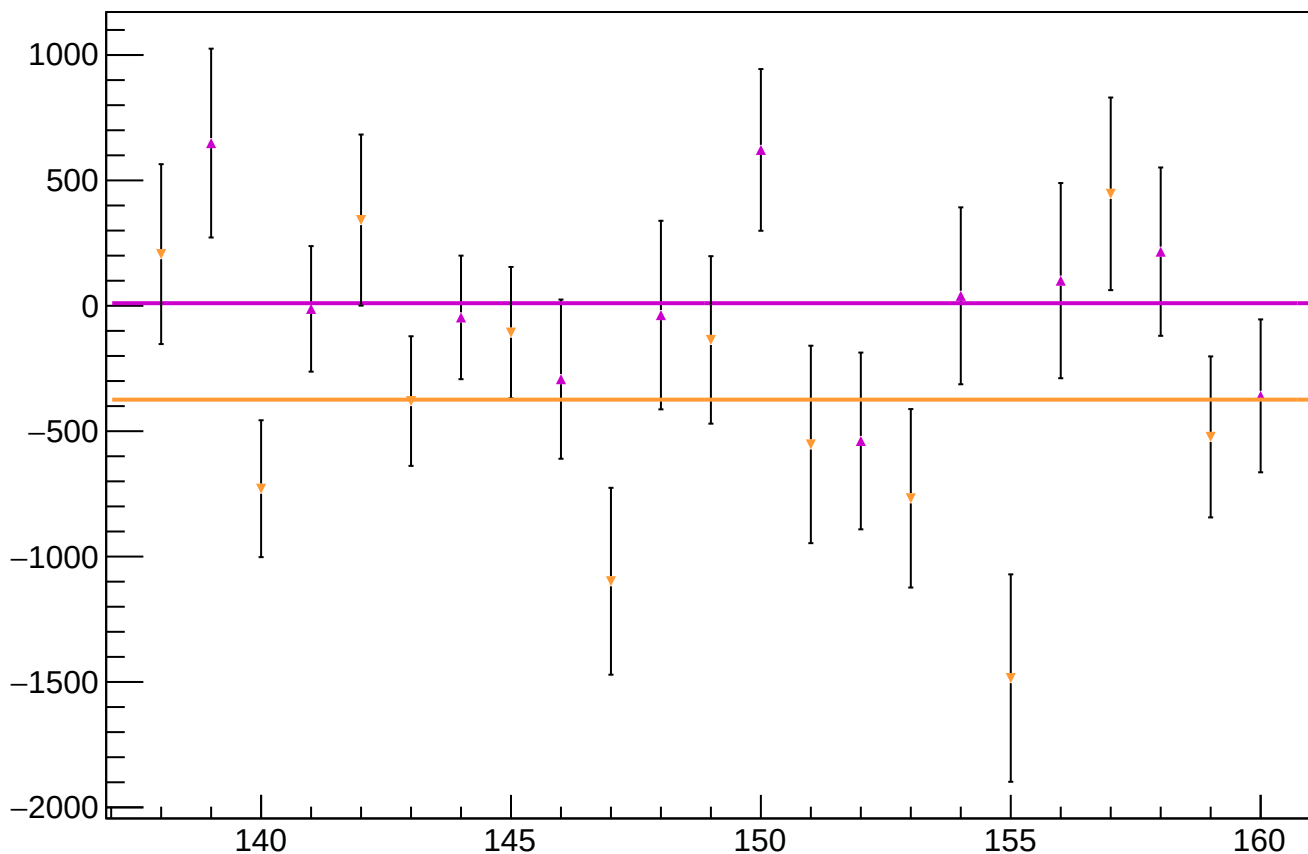
Right: 76.583 $\pm$ 0.015 χ^2 /NDF: 1299760.4/35

In: 73.214 $\pm$ 0.013 χ^2 /NDF:732450.3/27

Out: 73.872 $\pm$ 0.013 χ^2 /NDF:935964.7/30

All: 73.541 $\pm$ 0.009 χ^2 /NDF: 1669645.2/58

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -374.227+/-94.409 χ^2/NDF :27.5/11

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

Left In: 10.403+/-96.028 χ^2/NDF :11.8/10

Left: -185.181+/-67.322 χ^2/NDF : 47.4/22

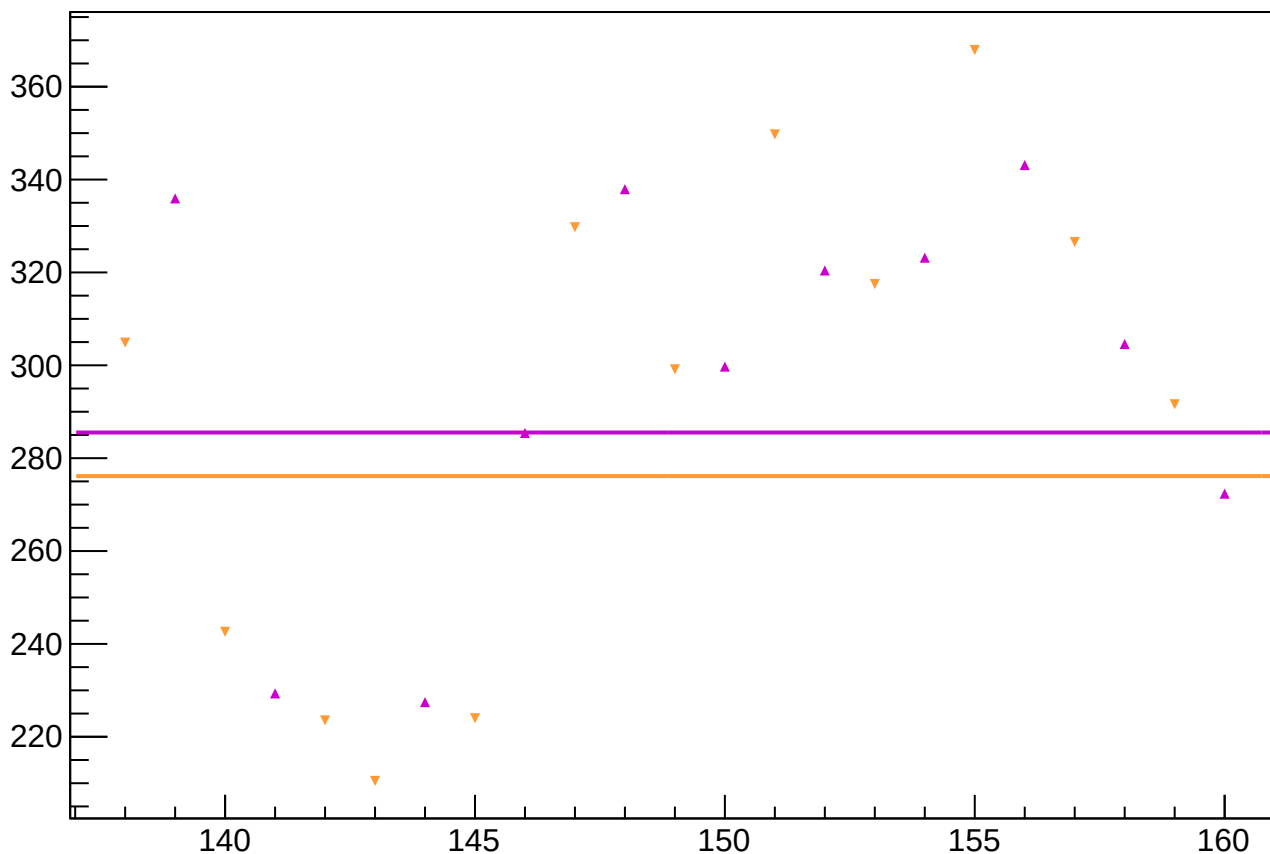
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 10.403+/-96.028 χ^2/NDF :11.8/10

Out: -374.227+/-94.409 χ^2/NDF :27.5/11

All: -185.181+/-67.322 χ^2/NDF : 47.4/22

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 276.137+/-0.067 χ^2/NDF : 584248.6/11

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

Left In: 285.528+/-0.068 χ^2/NDF : 386866.6/10

Left: 280.753+/-0.048 χ^2/NDF : 980842.4/22

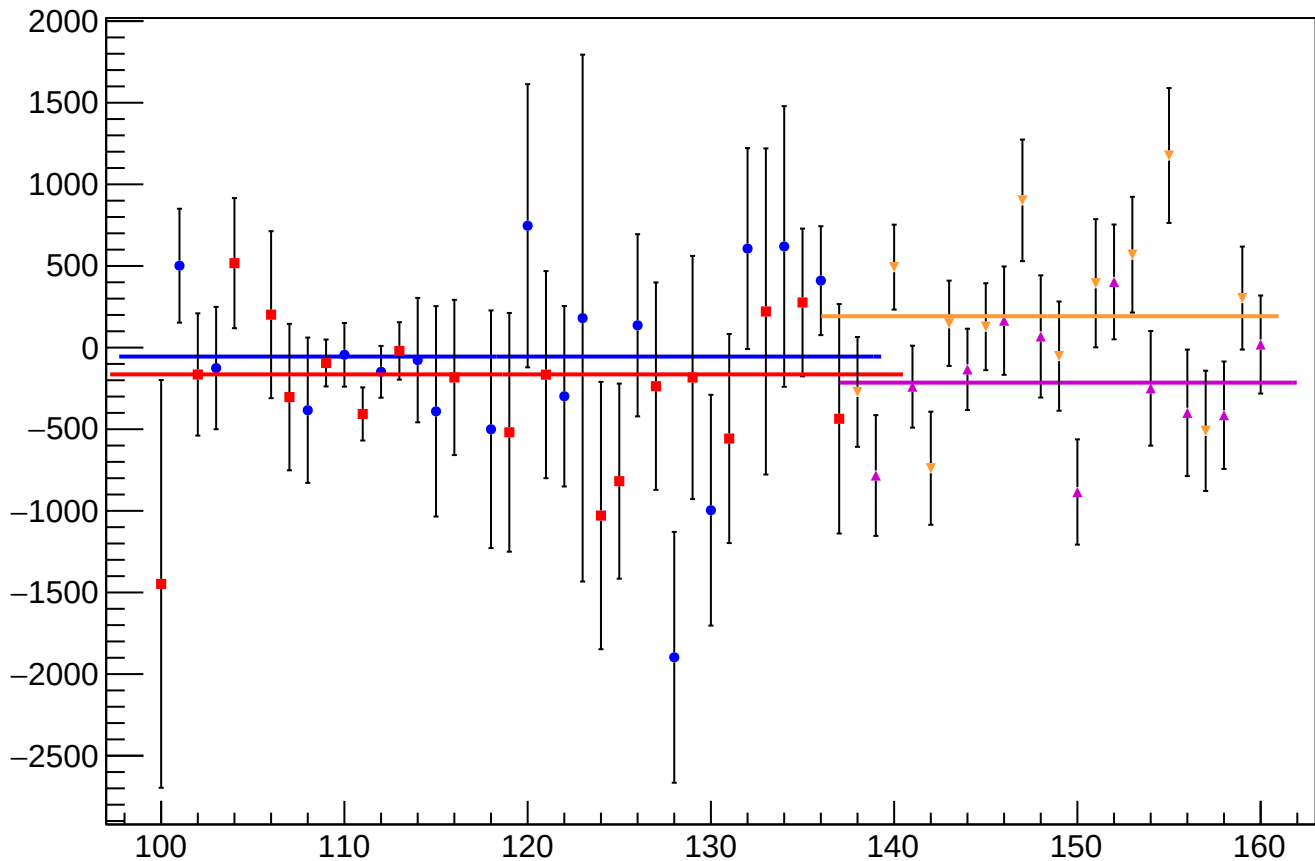
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 285.528+/-0.068 χ^2/NDF : 386866.6/10

Out: 276.137+/-0.067 χ^2/NDF : 584248.6/11

All: 280.753+/-0.048 χ^2/NDF : 980842.4/22

asym_sam8_mean vs Slug, Sign Corrected



Right In: -54.933 ± 90.355 $\chi^2/\text{NDF}: 16.5/16$

Left Out: 192.276 ± 93.430 $\chi^2/\text{NDF}: 25.5/11$

Right Out: -164.141 ± 76.903 $\chi^2/\text{NDF}: 11.9/18$

Left In: -214.592 ± 96.069 $\chi^2/\text{NDF}: 13.0/10$

Left: -5.492 ± 66.979 $\chi^2/\text{NDF}: 47.7/22$

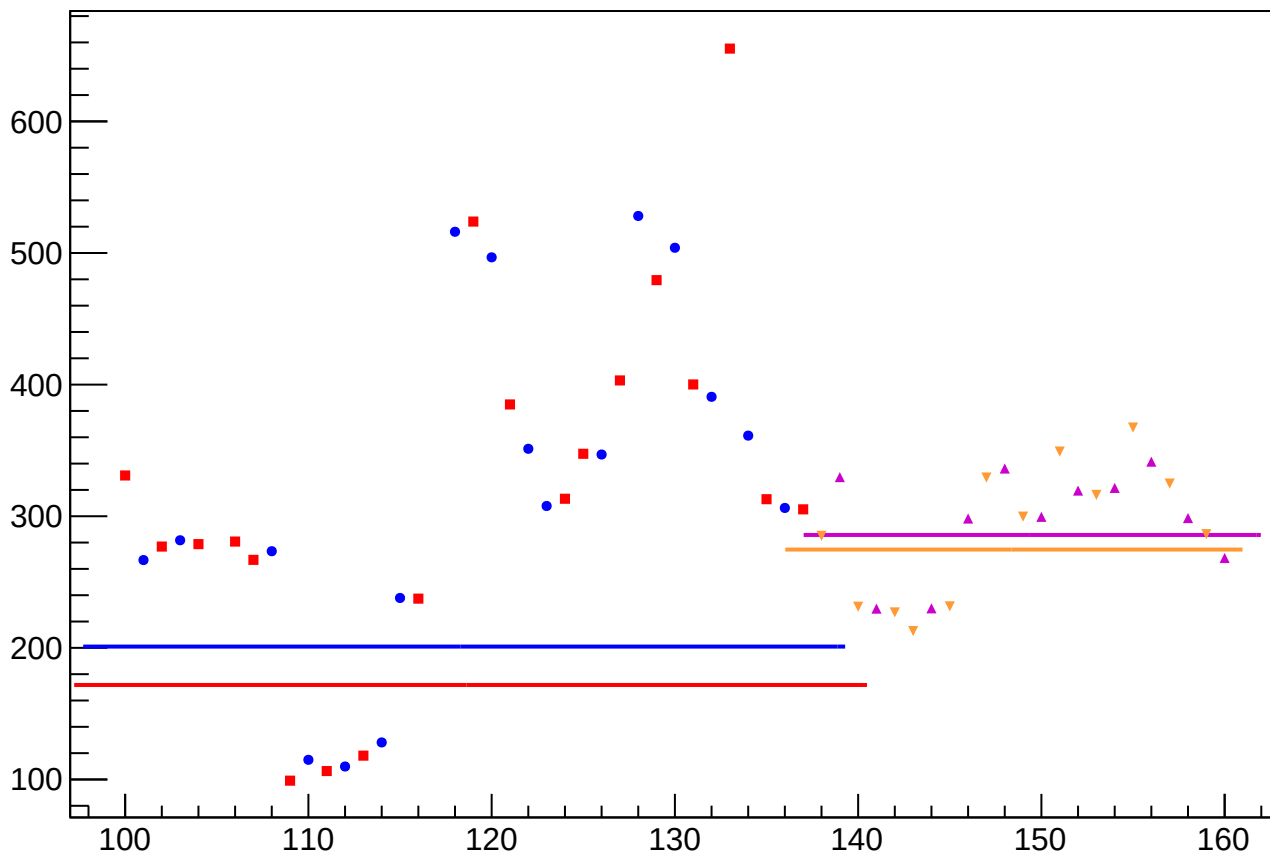
Right: -118.264 ± 58.563 $\chi^2/\text{NDF}: 29.3/35$

In: -129.873 ± 65.818 $\chi^2/\text{NDF}: 31.0/27$

Out: -20.192 ± 59.376 $\chi^2/\text{NDF}: 46.1/30$

All: -69.403 ± 44.087 $\chi^2/\text{NDF}: 78.6/58$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.971+/-0.064 χ^2/NDF : 3436154.0/16

Left Out: 274.683+/-0.066 χ^2/NDF :554866.4/11

Right Out: 171.794+/-0.054 χ^2/NDF : 4092634.7/18

Left In: 285.777+/-0.068 χ^2/NDF :361104.7/10

Left: 280.075+/-0.047 χ^2/NDF : 929677.5/22

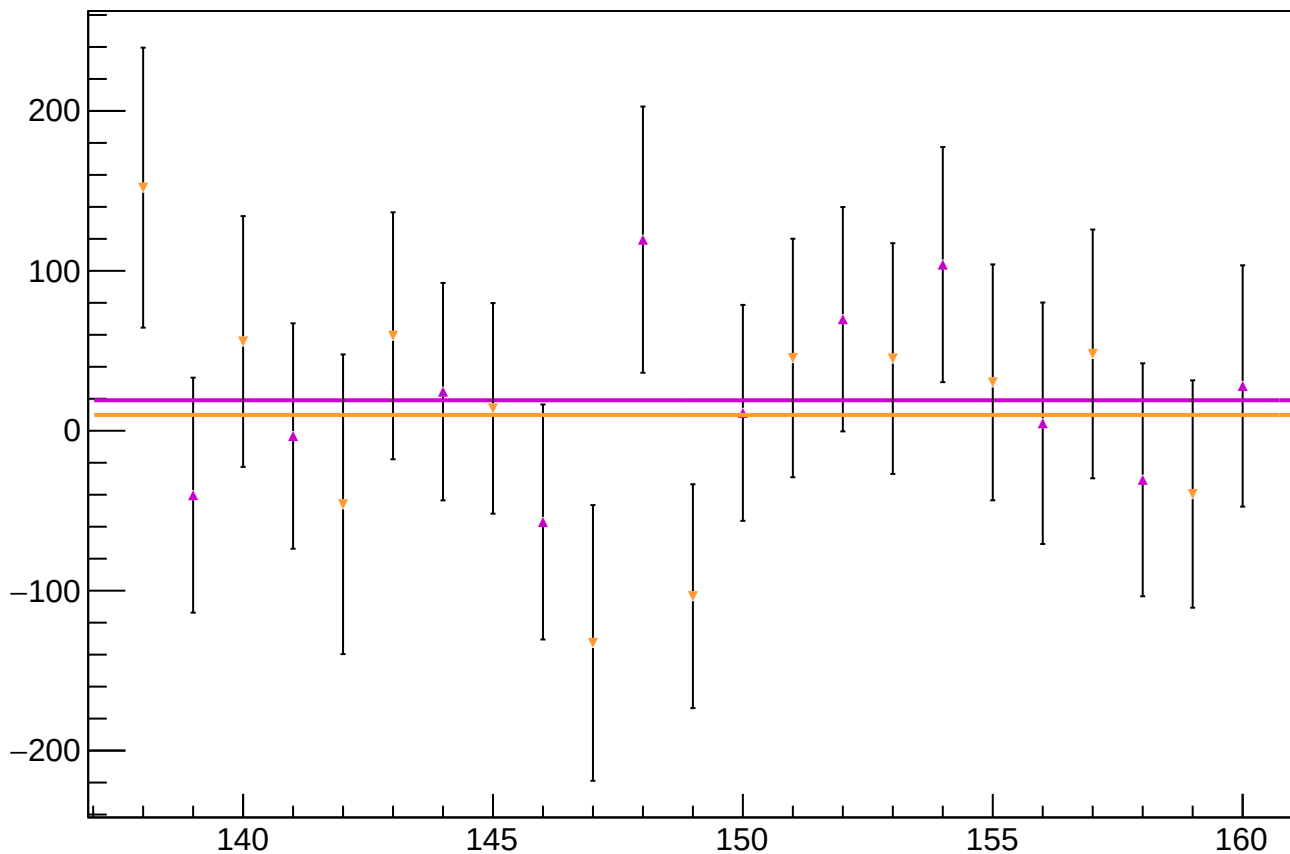
Right: 184.051+/-0.041 χ^2/NDF : 7649725.9/35

In: 240.777+/-0.047 χ^2/NDF :4624250.9/27

Out: 213.349+/-0.042 χ^2/NDF :6093384.6/30

All: 225.655+/-0.031 χ^2/NDF : 10909122.5/58

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 9.897 $\pm$ 22.017 χ^2 /NDF:10.4/11

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

Left In: 19.071 $\pm$ 21.928 χ^2 /NDF:5.7/10

Left: 14.502 $\pm$ 15.537 χ^2 /NDF: 16.1/22

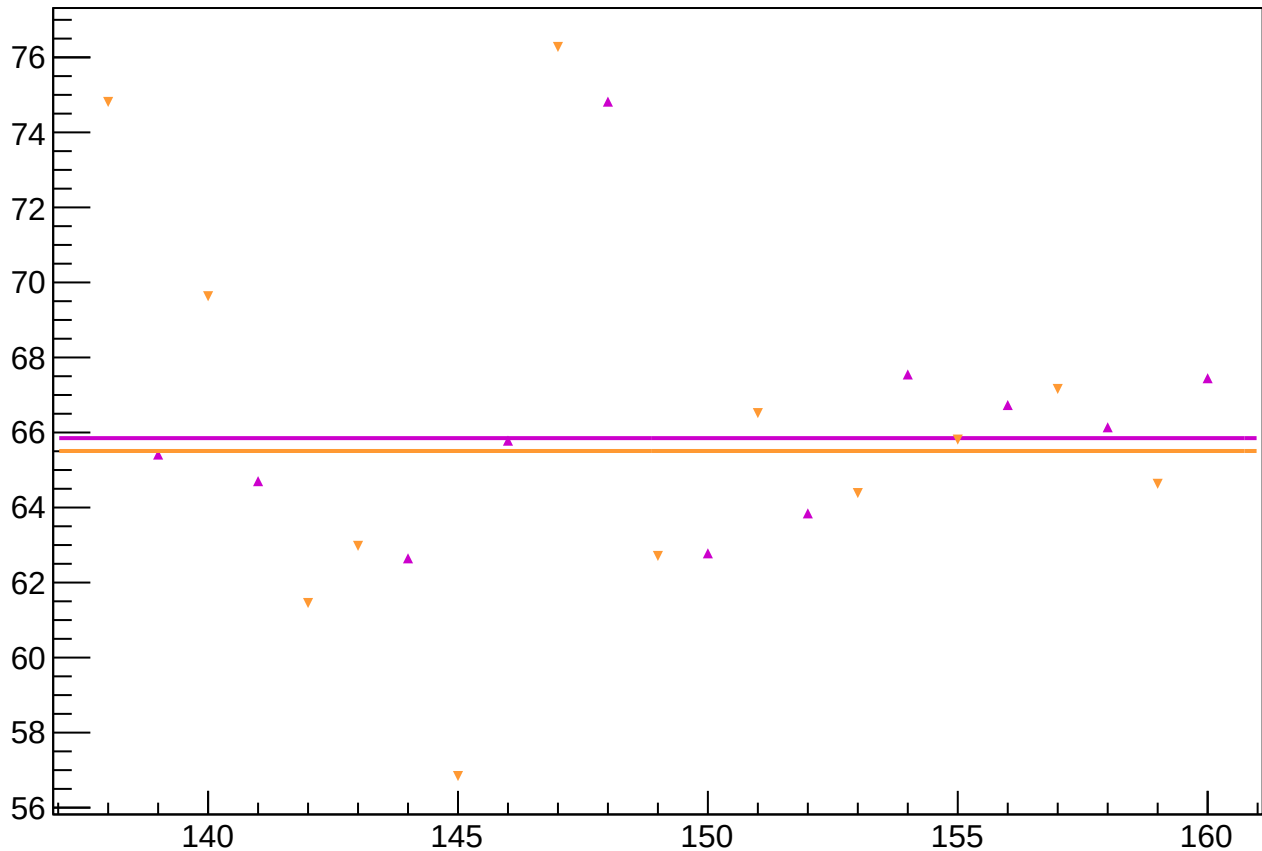
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 19.071 $\pm$ 21.928 χ^2 /NDF:5.7/10

Out: 9.897 $\pm$ 22.017 χ^2 /NDF:10.4/11

All: 14.502 $\pm$ 15.537 χ^2 /NDF: 16.1/22

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 65.507+/-0.016 χ^2/NDF :105158.5/11

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

Left In: 65.850+/-0.016 χ^2/NDF :36298.5/10

Left: 65.679+/-0.011 χ^2/NDF : 141700.4/22

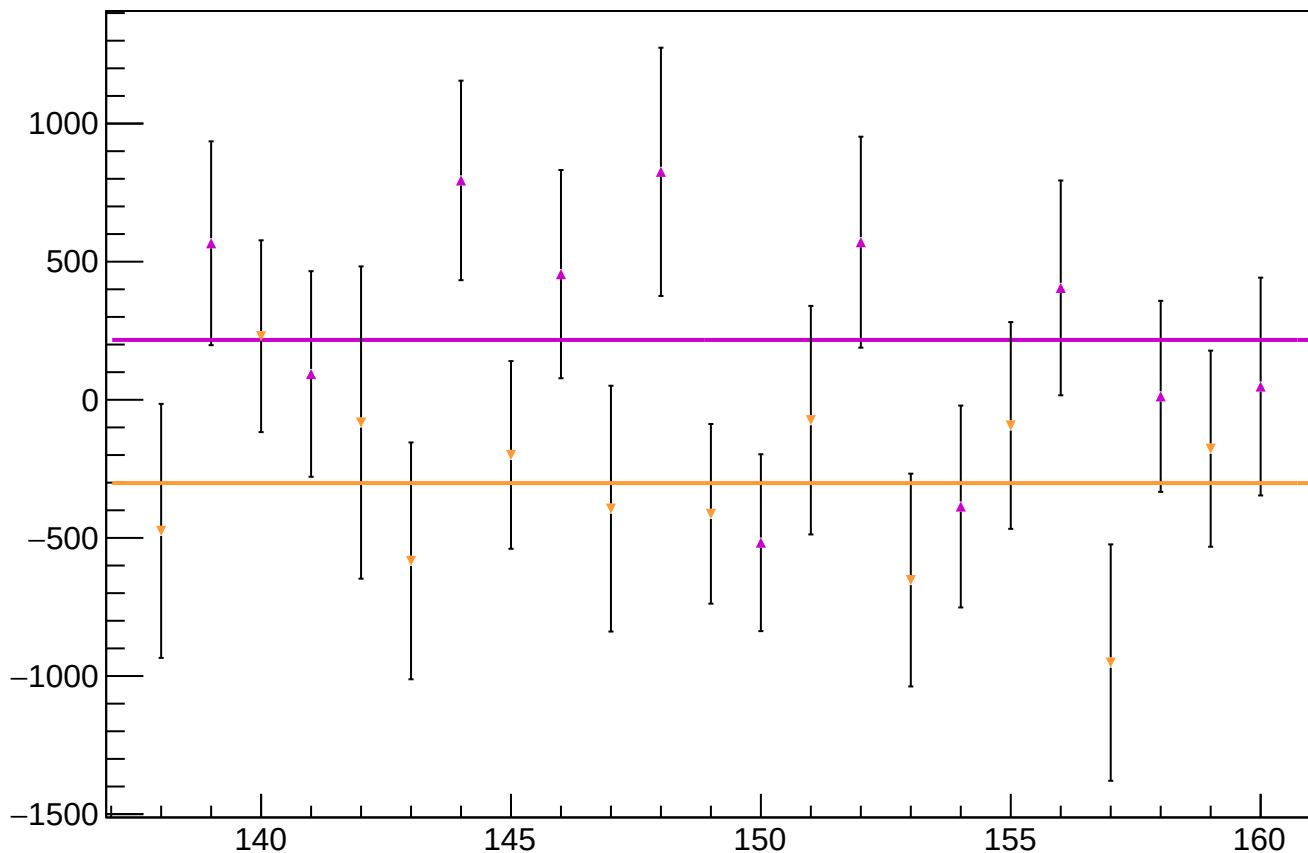
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.850+/-0.016 χ^2/NDF :36298.5/10

Out: 65.507+/-0.016 χ^2/NDF :105158.5/11

All: 65.679+/-0.011 χ^2/NDF : 141700.4/22

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -301.497+/-113.310 χ^2/NDF : 7.2/11

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

Left In: 216.705+/-111.989 χ^2/NDF : 15.4/10

Left: -39.357+/-79.651 χ^2/NDF : 33.2/22

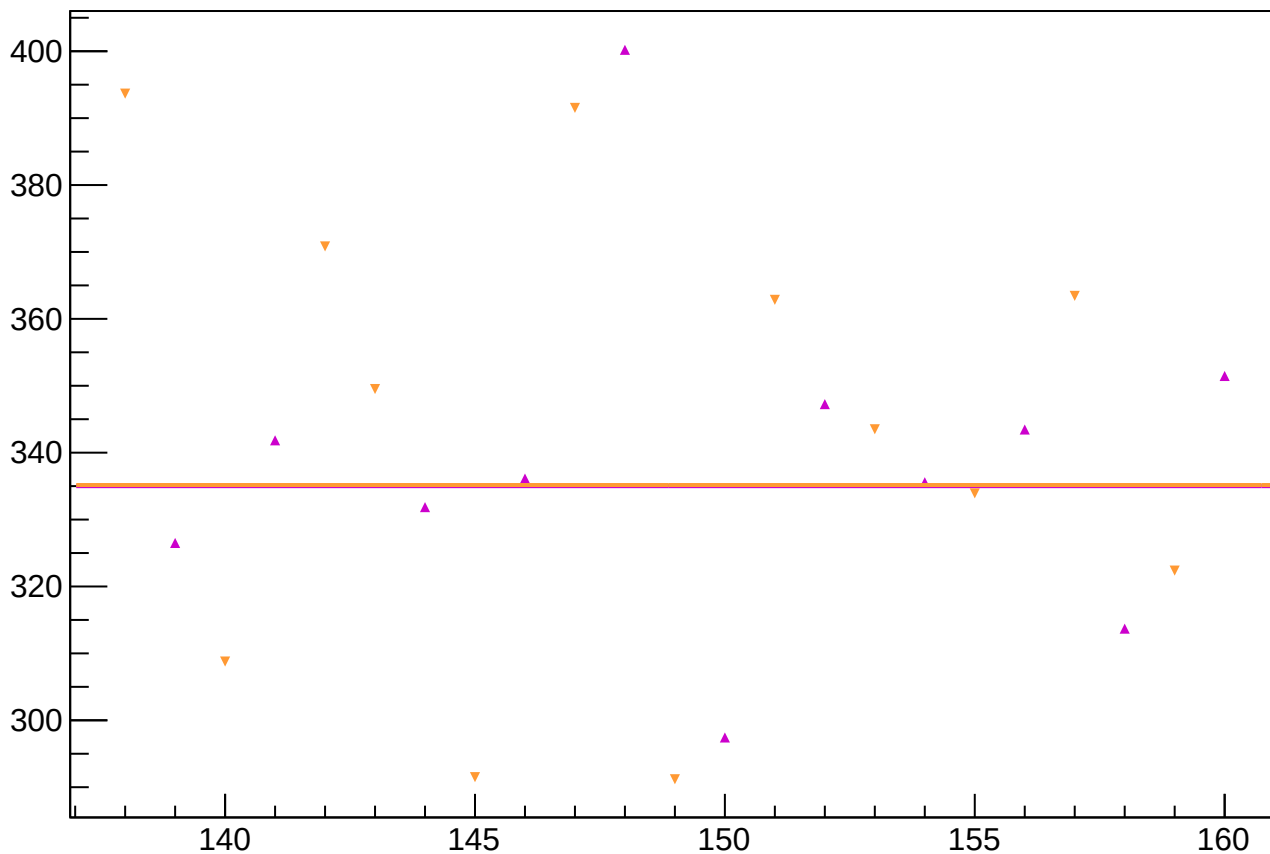
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 216.705+/-111.989 χ^2/NDF : 15.4/10

Out: -301.497+/-113.310 χ^2/NDF : 7.2/11

All: -39.357+/-79.651 χ^2/NDF : 33.2/22

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 335.163+/-0.080 χ^2/NDF :177051.1/11

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

Left In: 334.994+/-0.079 χ^2/NDF :85627.6/10

Left: 335.078+/-0.056 χ^2/NDF : 262681.0/22

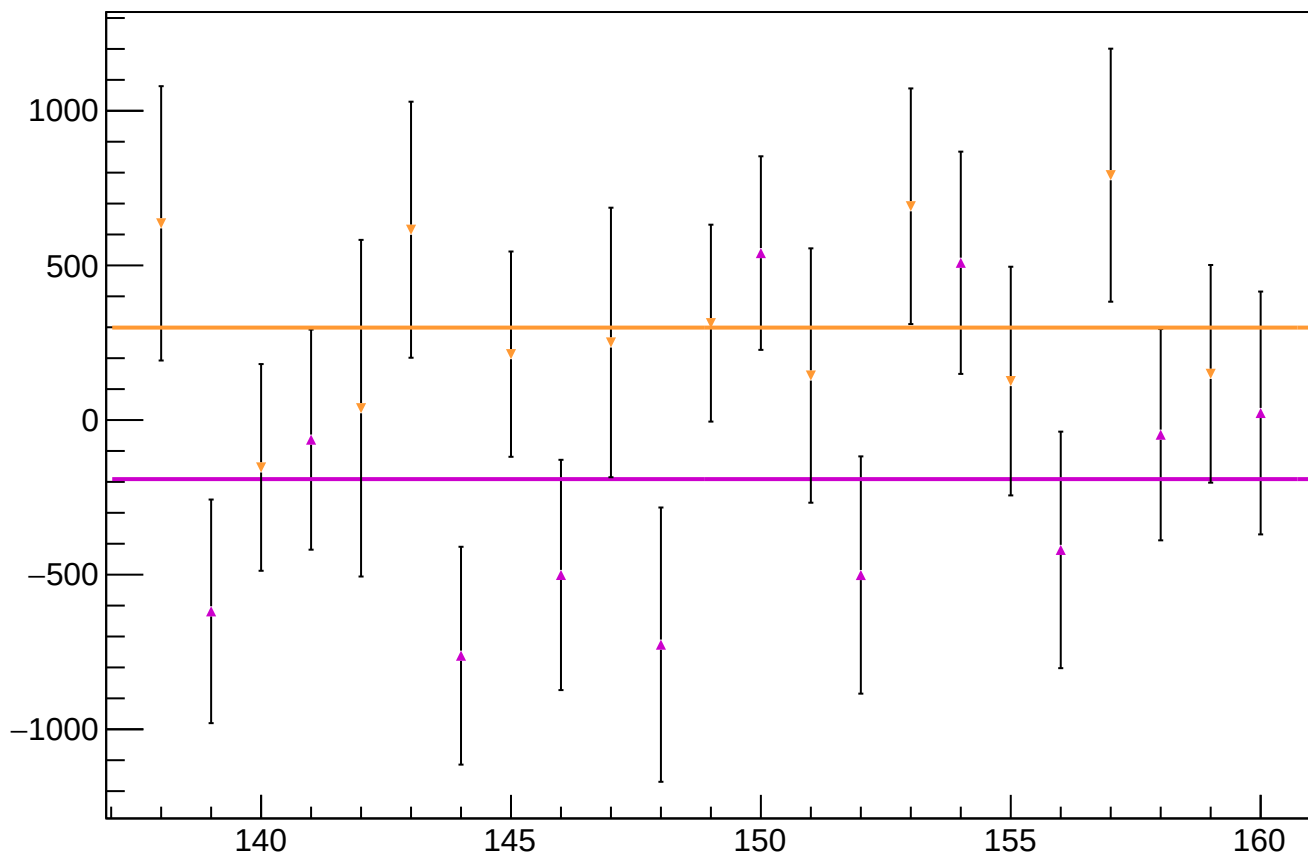
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 334.994+/-0.079 χ^2/NDF :85627.6/10

Out: 335.163+/-0.080 χ^2/NDF :177051.1/11

All: 335.078+/-0.056 χ^2/NDF : 262681.0/22

asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 298.939+/-110.692 χ^2/NDF :6.4/11

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

Left In: -191.035+/-110.066 χ^2/NDF :17.0/10

Left: 52.562+/-78.049 χ^2/NDF : 33.2/22

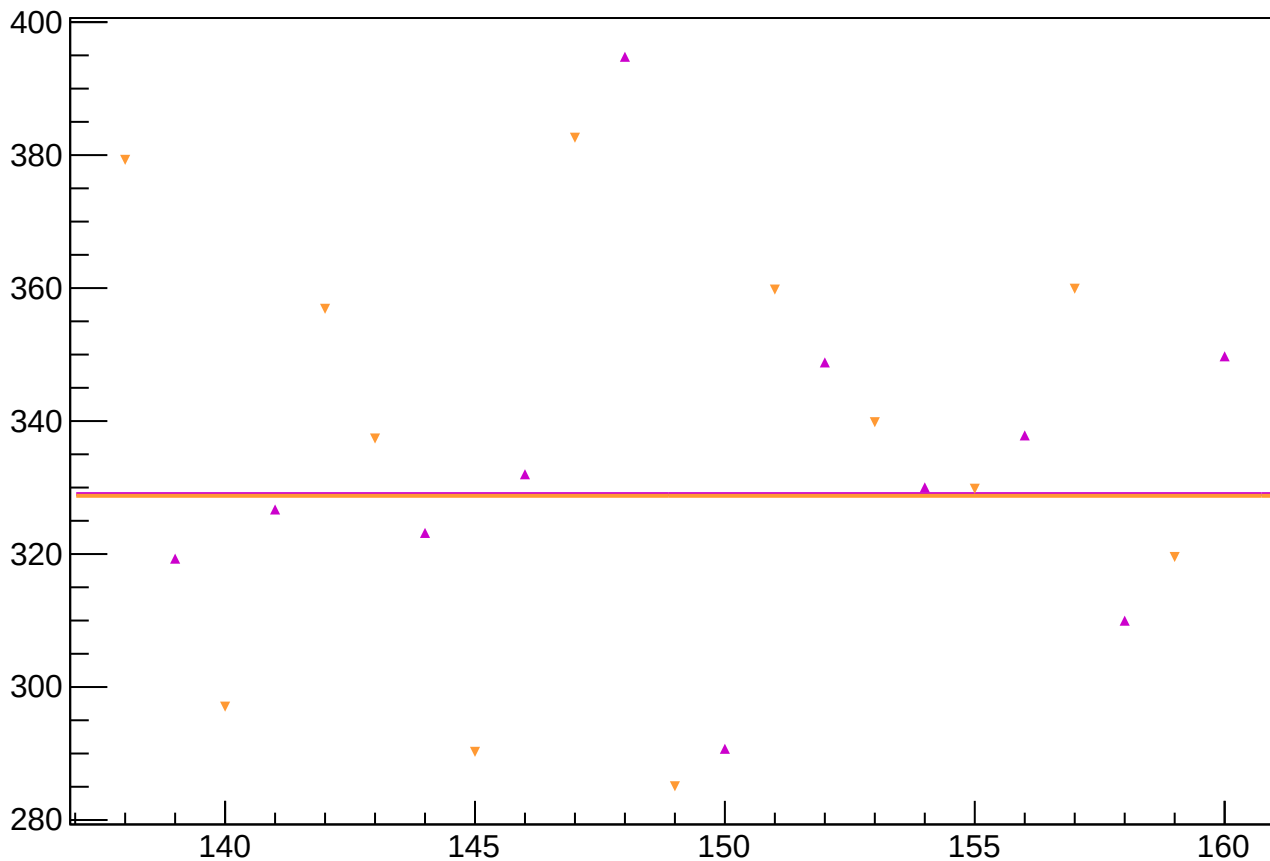
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -191.035+/-110.066 χ^2/NDF :17.0/10

Out: 298.939+/-110.692 χ^2/NDF :6.4/11

All: 52.562+/-78.049 χ^2/NDF : 33.2/22

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 328.763+/-0.078 χ^2/NDF :171313.9/11

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

Left In: 329.011+/-0.078 χ^2/NDF :94343.0/10

Left: 328.888+/-0.055 χ^2/NDF : 265662.0/22

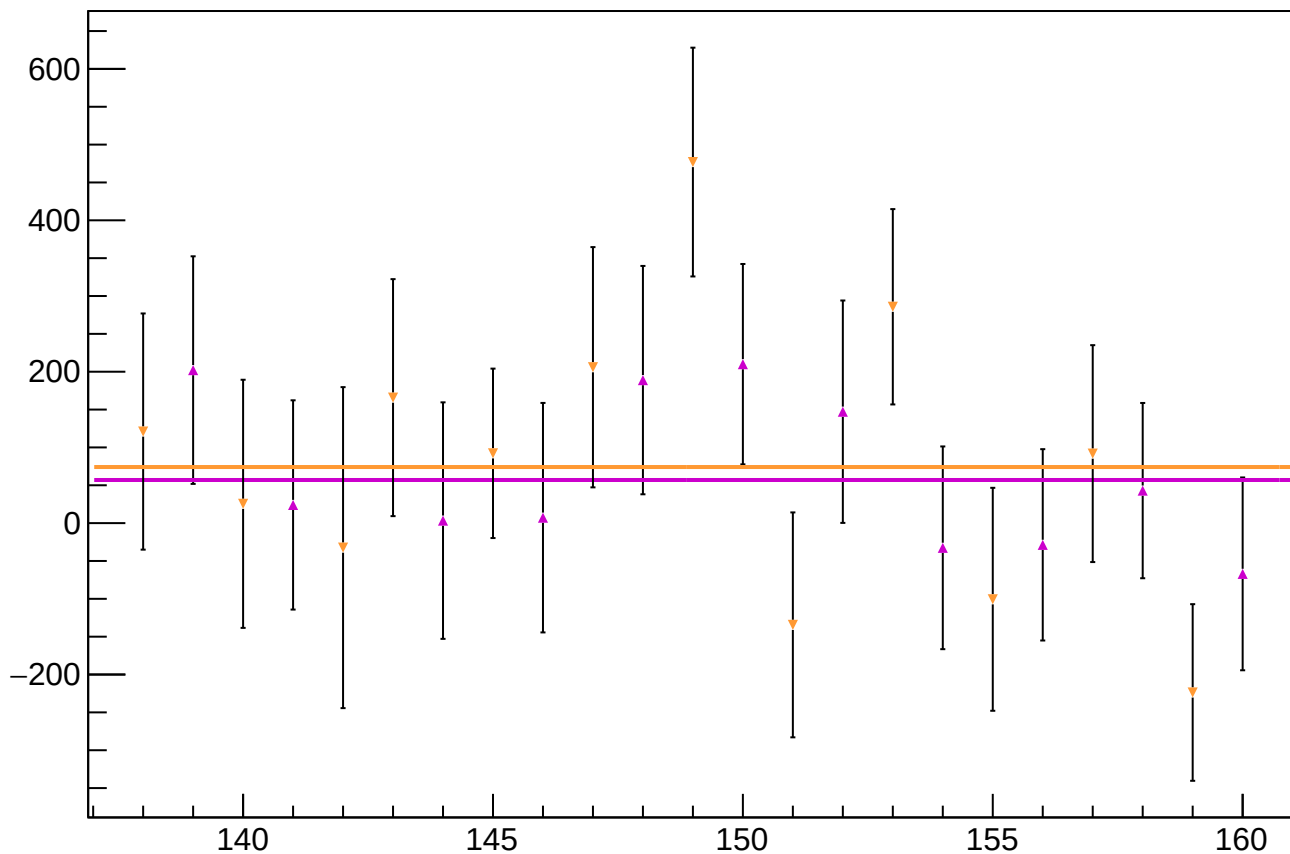
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 329.011+/-0.078 χ^2/NDF :94343.0/10

Out: 328.763+/-0.078 χ^2/NDF :171313.9/11

All: 328.888+/-0.055 χ^2/NDF : 265662.0/22

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 74.099+/-41.578 χ^2/NDF :21.2/11

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

Left In: 56.969+/-41.409 χ^2/NDF :5.6/10

Left: 65.499+/-29.340 χ^2/NDF : 26.8/22

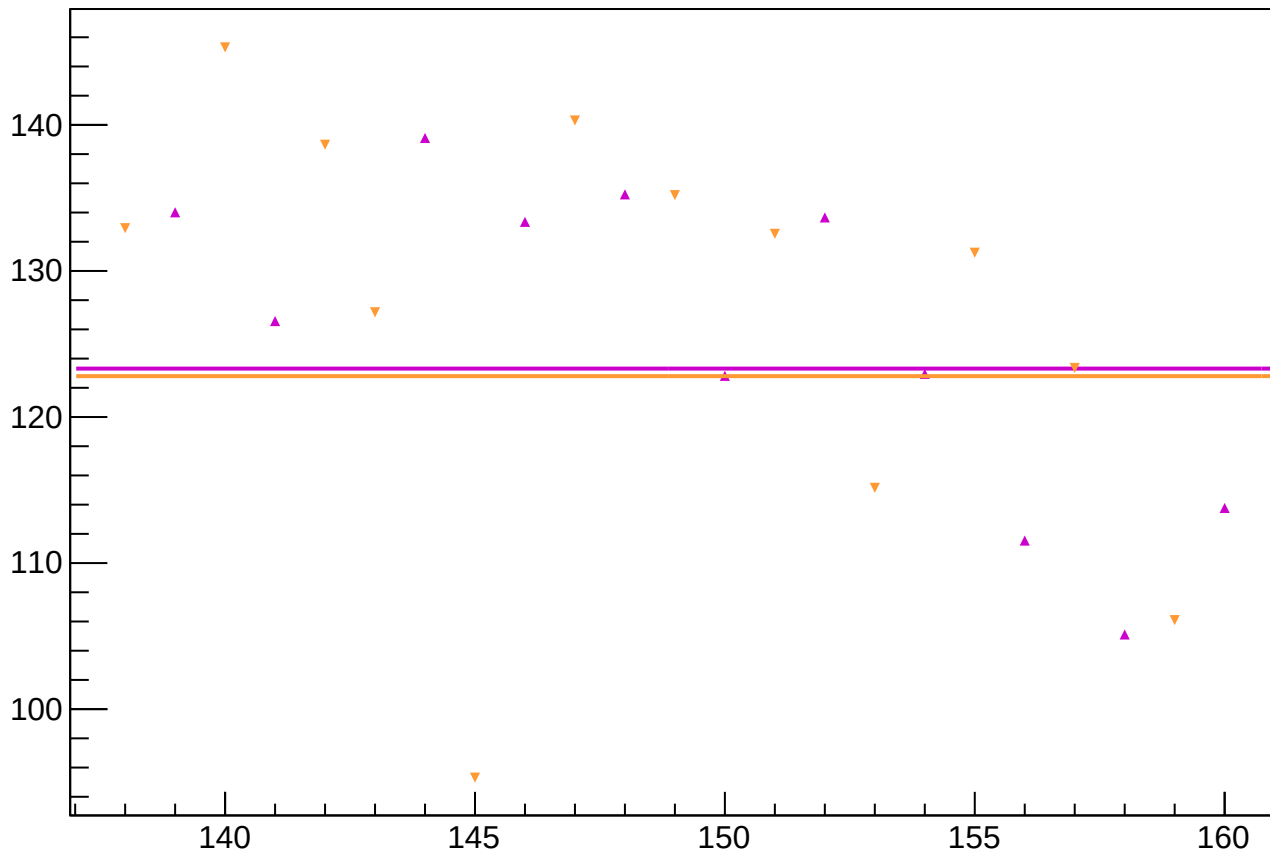
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 56.969+/-41.409 χ^2/NDF :5.6/10

Out: 74.099+/-41.578 χ^2/NDF :21.2/11

All: 65.499+/-29.340 χ^2/NDF : 26.8/22

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 122.798+/-0.029 χ^2/NDF :280627.5/11

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

Left In: 123.316+/-0.029 χ^2/NDF :140985.4/10

Left: 123.058+/-0.021 χ^2/NDF : 421768.7/22

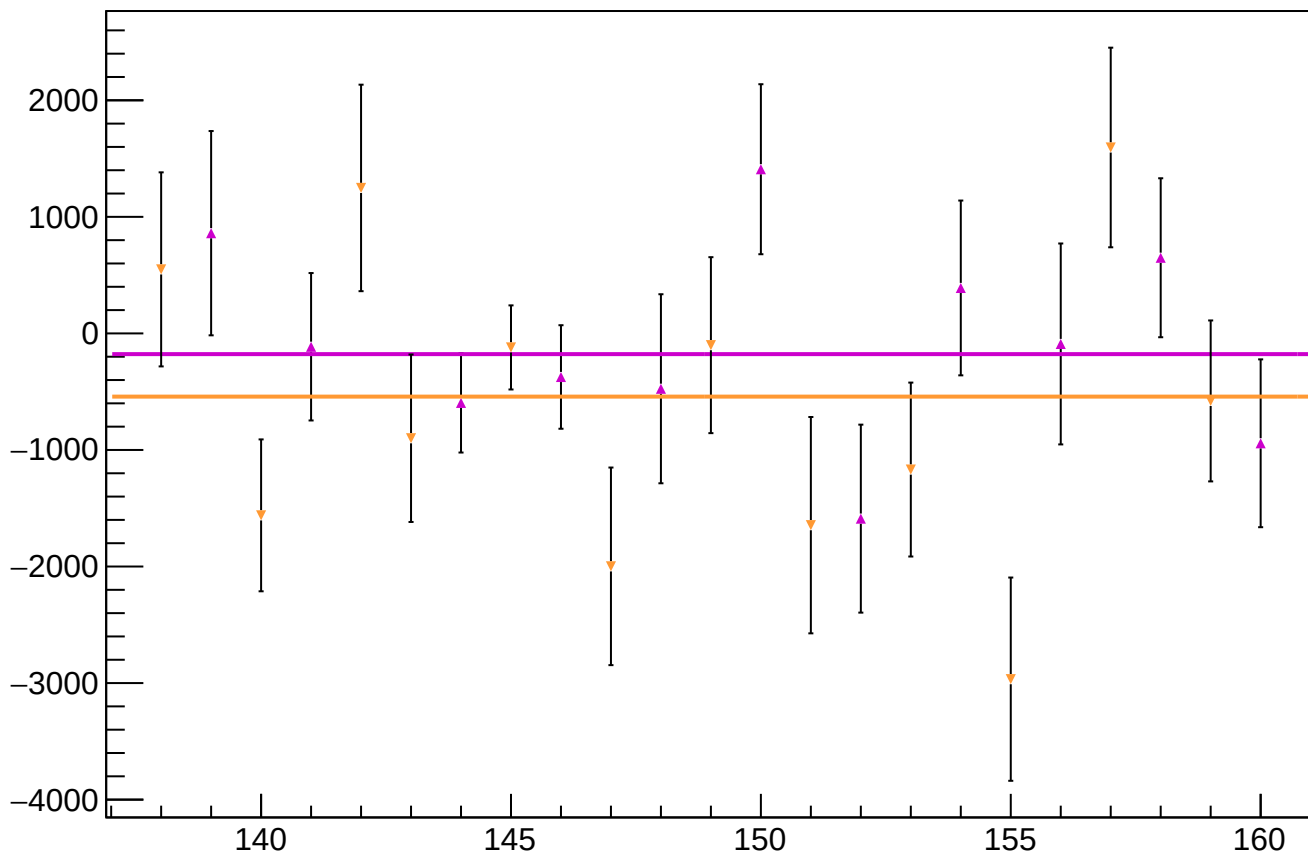
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 123.316+/-0.029 χ^2/NDF :140985.4/10

Out: 122.798+/-0.029 χ^2/NDF :280627.5/11

All: 123.058+/-0.021 χ^2/NDF : 421768.7/22

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -542.271+/-197.738 χ^2/NDF :29.2/11

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

Left In: -177.725+/-194.171 χ^2/NDF :13.7/10

Left: -356.680+/-138.544 χ^2/NDF : 44.6/22

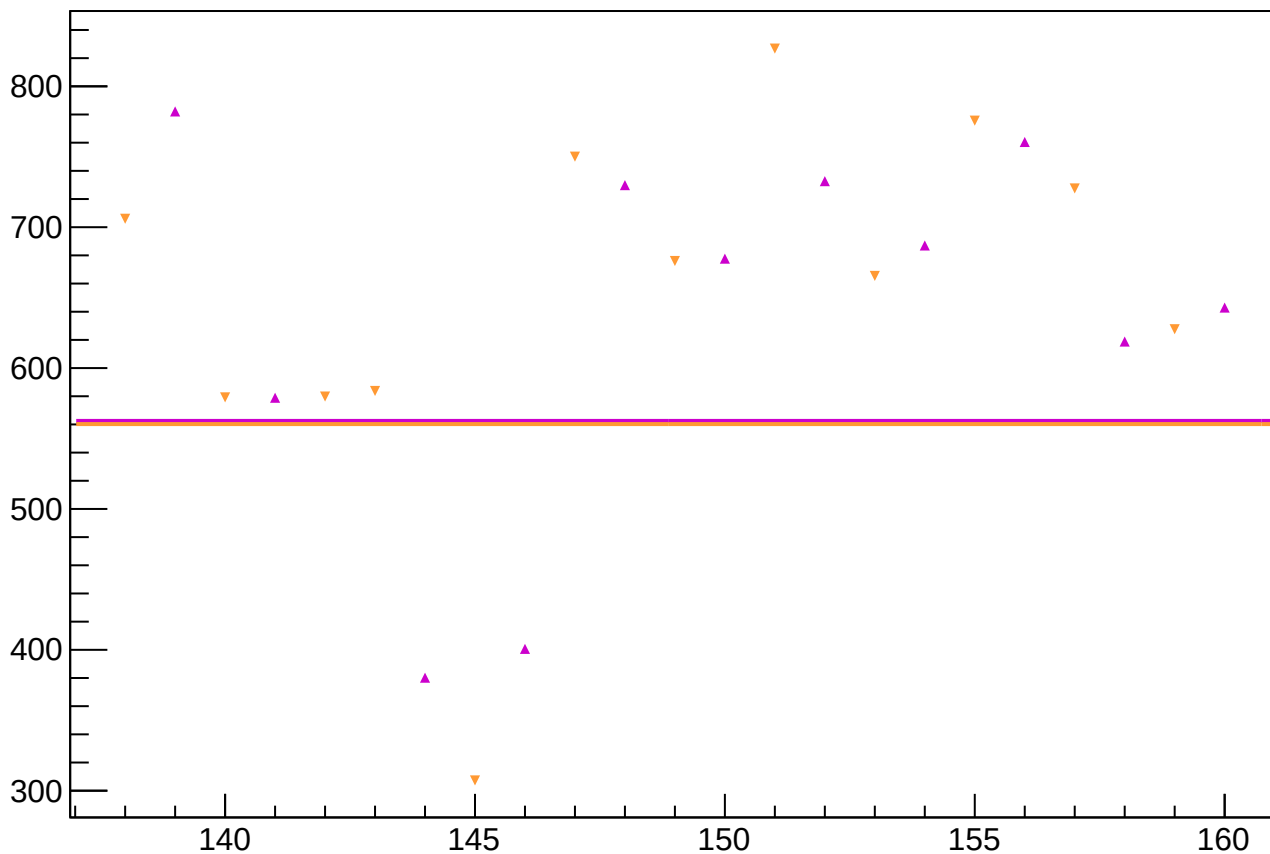
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -177.725+/-194.171 χ^2/NDF :13.7/10

Out: -542.271+/-197.738 χ^2/NDF :29.2/11

All: -356.680+/-138.544 χ^2/NDF : 44.6/22

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 560.242+/-0.140 χ^2/NDF :1618950.5/11

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

Left In: 562.496+/-0.137 χ^2/NDF :1182049.7/10

Left: 561.390+/-0.098 χ^2/NDF : 2801132.5/22

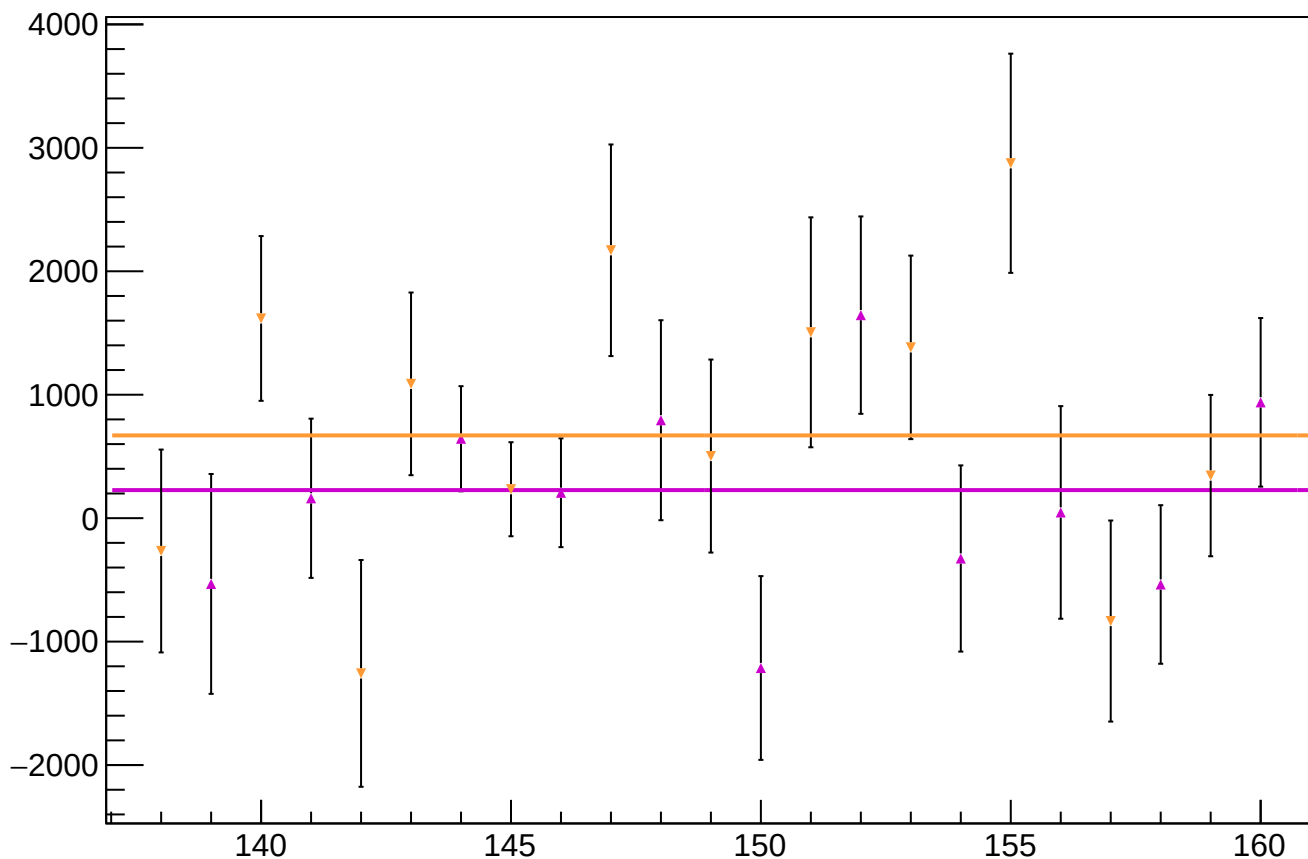
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 562.496+/-0.137 χ^2/NDF :1182049.7/10

Out: 560.242+/-0.140 χ^2/NDF :1618950.5/11

All: 561.390+/-0.098 χ^2/NDF : 2801132.5/22

asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 670.419+/-201.160 χ^2/NDF :24.0/11

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

Left In: 227.332+/-192.812 χ^2/NDF :12.2/10

Left: 439.491+/-139.196 χ^2/NDF : 38.7/22

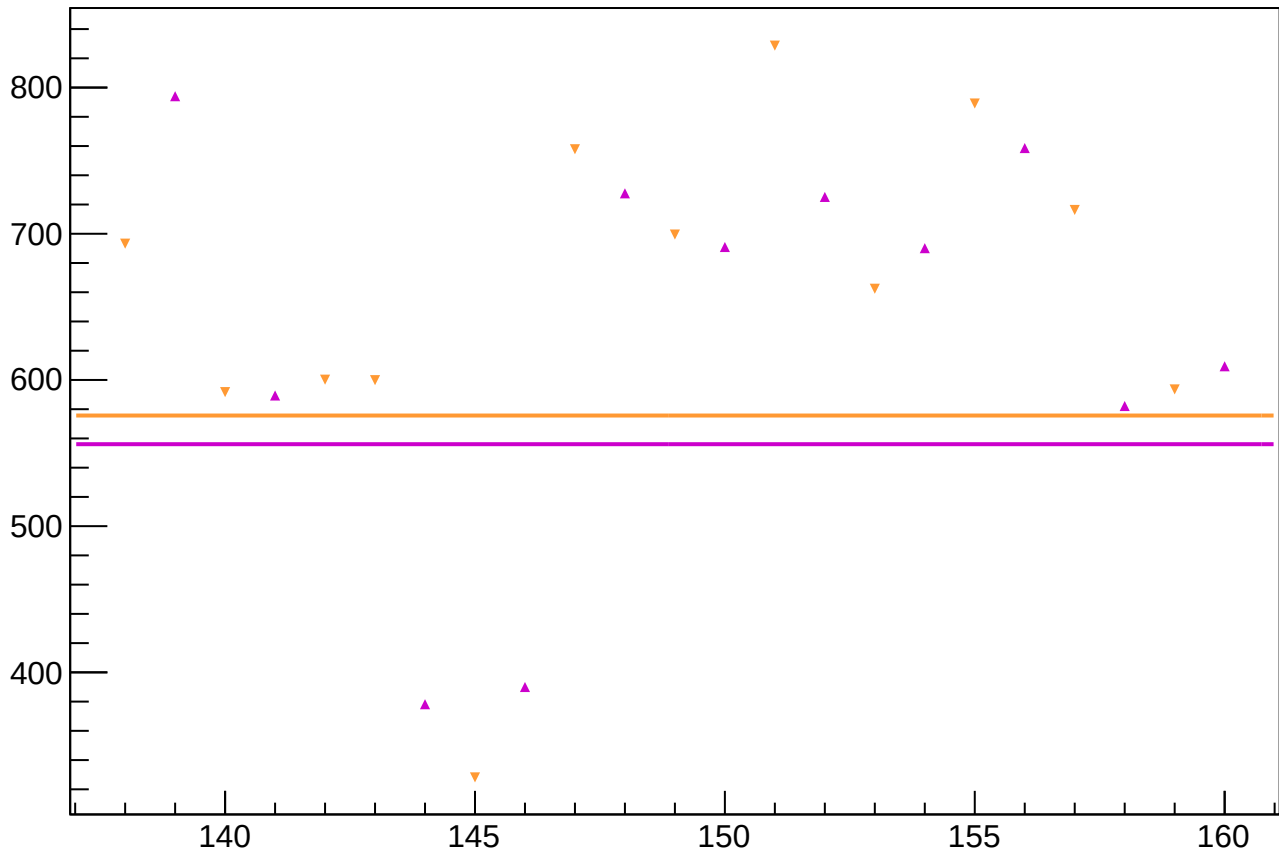
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 227.332+/-192.812 χ^2/NDF :12.2/10

Out: 670.419+/-201.160 χ^2/NDF :24.0/11

All: 439.491+/-139.196 χ^2/NDF : 38.7/22

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 575.676+/-0.142 χ^2/NDF :1382578.8/11

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

Left In: 556.064+/-0.136 χ^2/NDF :1215579.0/10

Left: 565.454+/-0.098 χ^2/NDF : 2608065.4/22

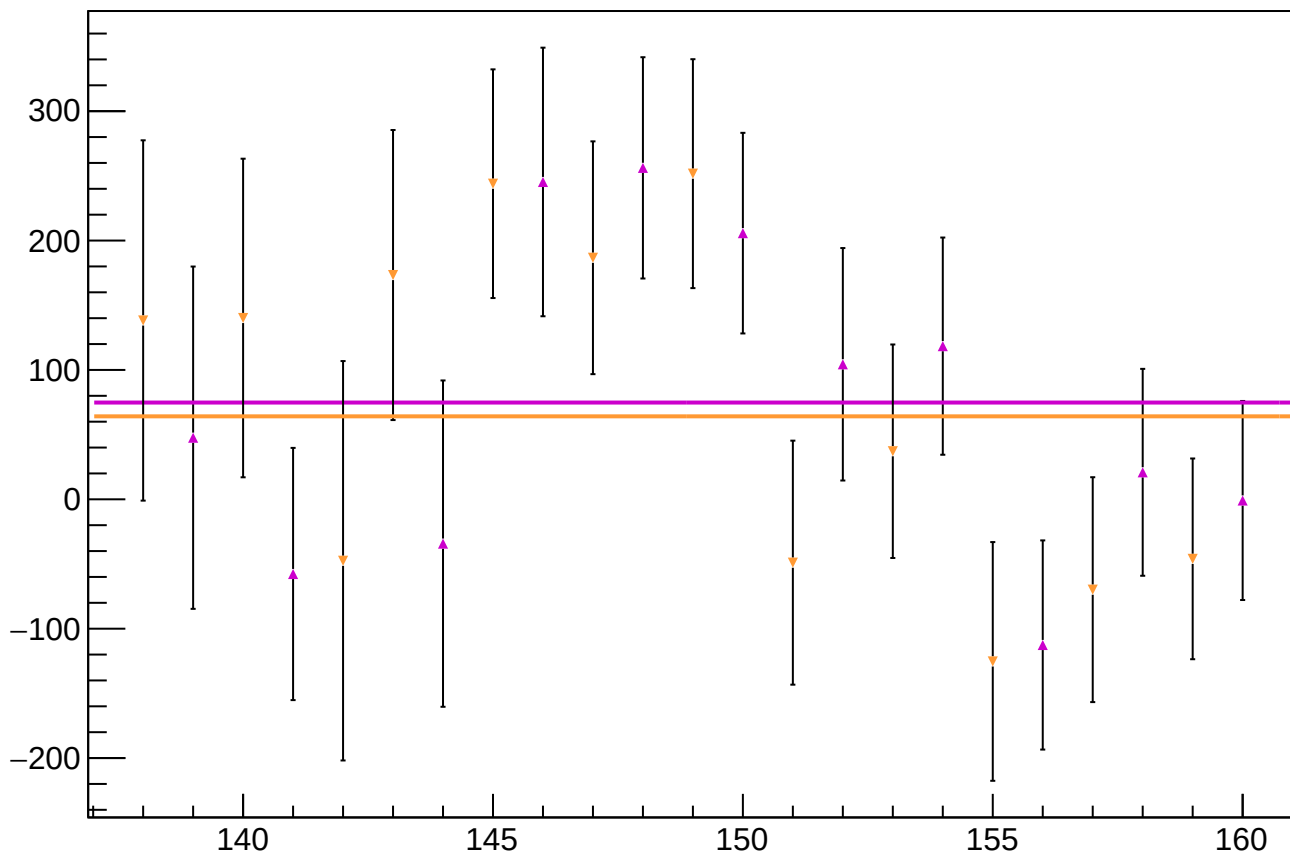
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 556.064+/-0.136 χ^2/NDF :1215579.0/10

Out: 575.676+/-0.142 χ^2/NDF :1382578.8/11

All: 565.454+/-0.098 χ^2/NDF : 2608065.4/22

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 64.131 $\pm$ 27.801 χ^2 /NDF:22.8/11

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

Left In: 74.792 $\pm$ 27.062 χ^2 /NDF:19.9/10

Left: 69.605 $\pm$ 19.392 χ^2 /NDF: 42.7/22

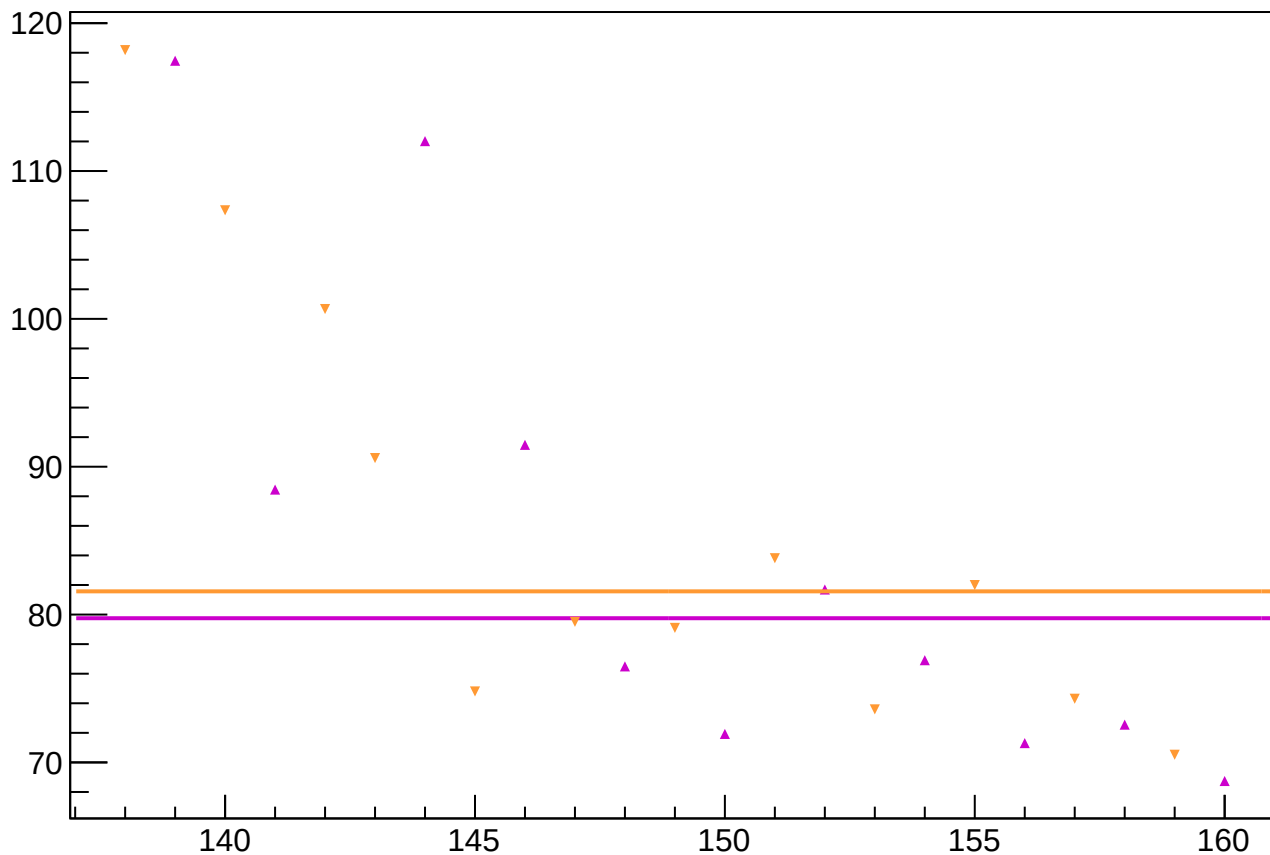
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 74.792 $\pm$ 27.062 χ^2 /NDF:19.9/10

Out: 64.131 $\pm$ 27.801 χ^2 /NDF:22.8/11

All: 69.605 $\pm$ 19.392 χ^2 /NDF: 42.7/22

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 81.570+/-0.020 χ^2/NDF :358192.4/11

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

Left In: 79.752+/-0.019 χ^2/NDF :440411.5/10

Left: 80.637+/-0.014 χ^2/NDF : 802995.2/22

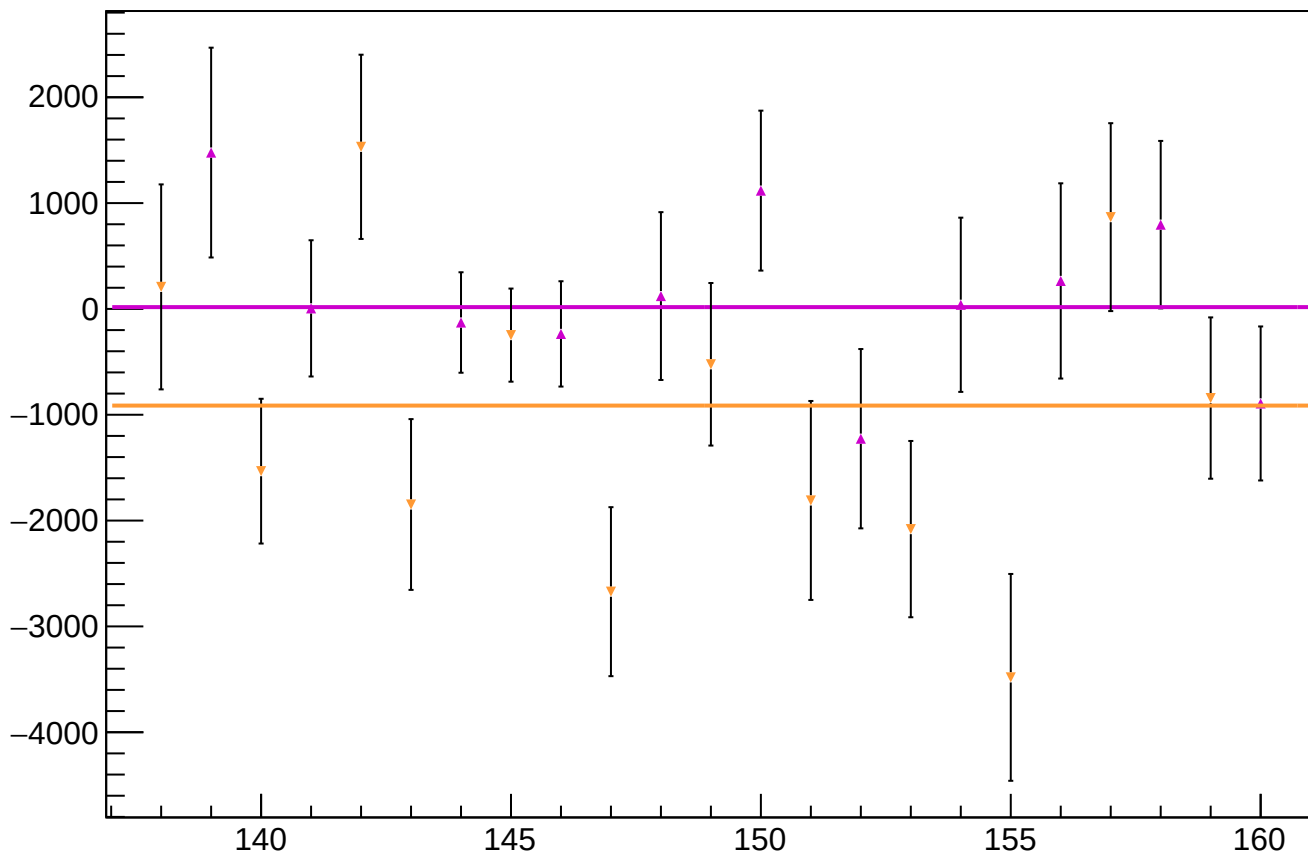
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 79.752+/-0.019 χ^2/NDF :440411.5/10

Out: 81.570+/-0.020 χ^2/NDF :358192.4/11

All: 80.637+/-0.014 χ^2/NDF : 802995.2/22

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -913.381+/-217.696 χ^2/NDF :32.6/11

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

Left In: 17.066+/-209.527 χ^2/NDF :9.4/10

Left: -430.374+/-150.963 χ^2/NDF : 51.5/22

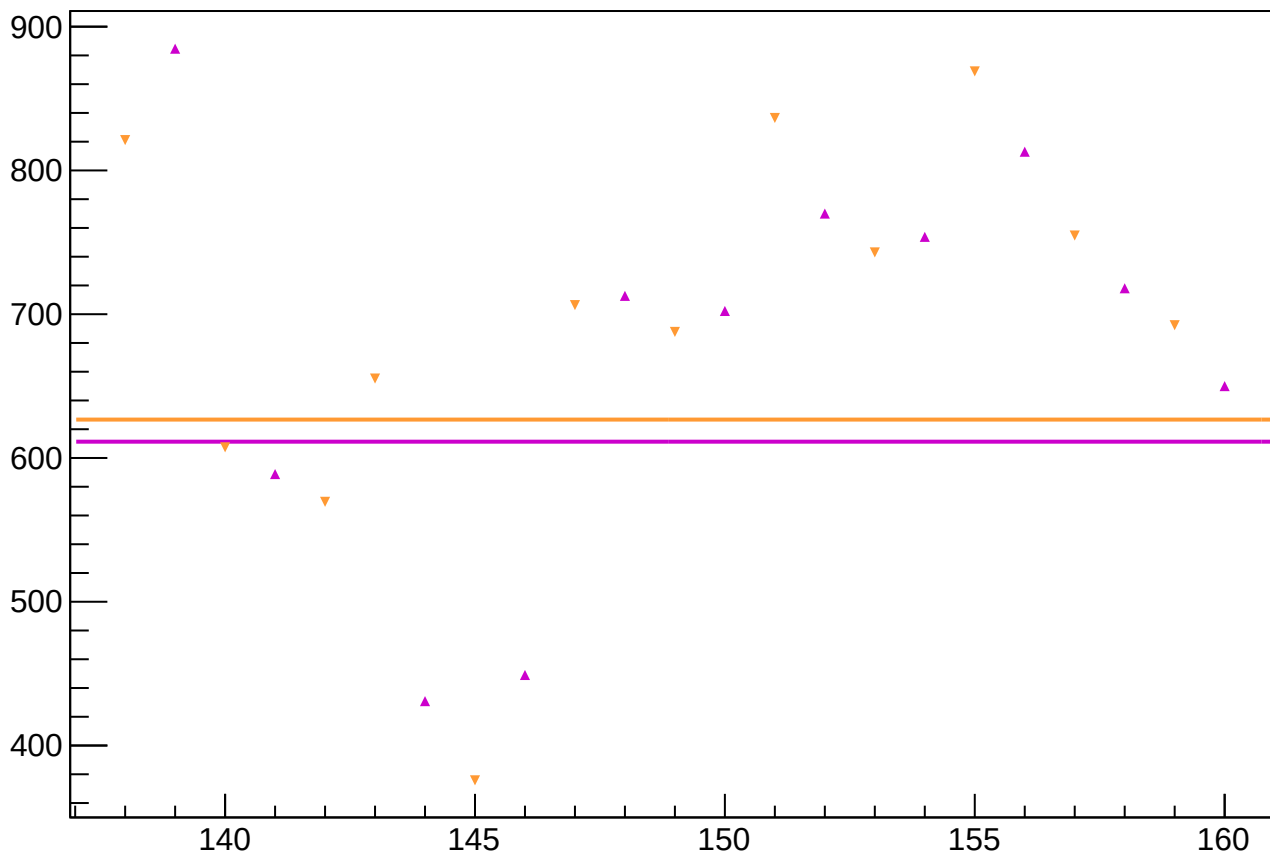
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 17.066+/-209.527 χ^2/NDF :9.4/10

Out: -913.381+/-217.696 χ^2/NDF :32.6/11

All: -430.374+/-150.963 χ^2/NDF : 51.5/22

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 626.709+/-0.154 χ^2/NDF :1094333.0/11

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

Left In: 611.339+/-0.148 χ^2/NDF :985601.8/10

Left: 618.730+/-0.107 χ^2/NDF : 2085109.8/22

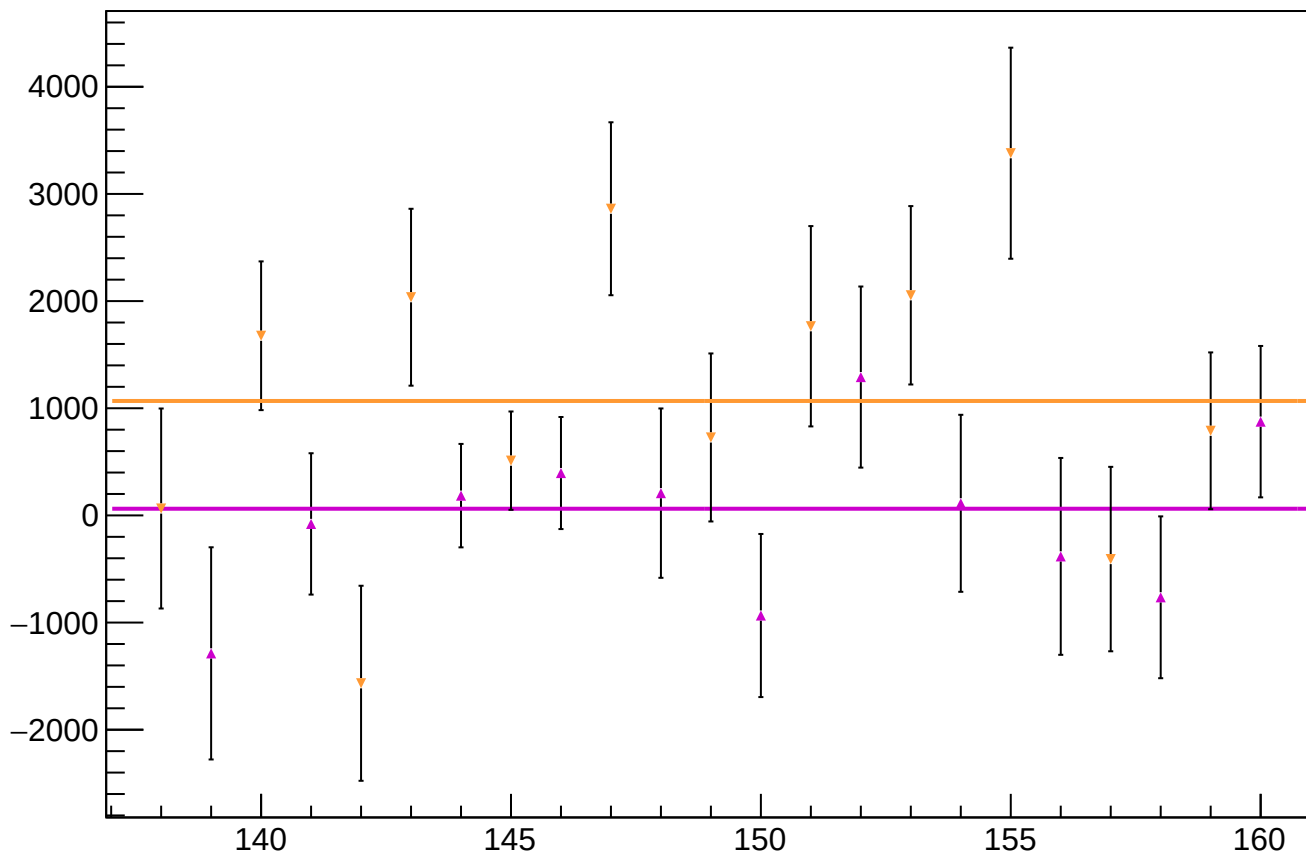
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 611.339+/-0.148 χ^2/NDF :985601.8/10

Out: 626.709+/-0.154 χ^2/NDF :1094333.0/11

All: 618.730+/-0.107 χ^2/NDF : 2085109.8/22

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 1067.901+/-220.057 χ^2/NDF :28.8/11

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

Left In: 62.267+/-211.264 χ^2/NDF :9.0/10

Left: 544.592+/-152.400 χ^2/NDF : 48.7/22

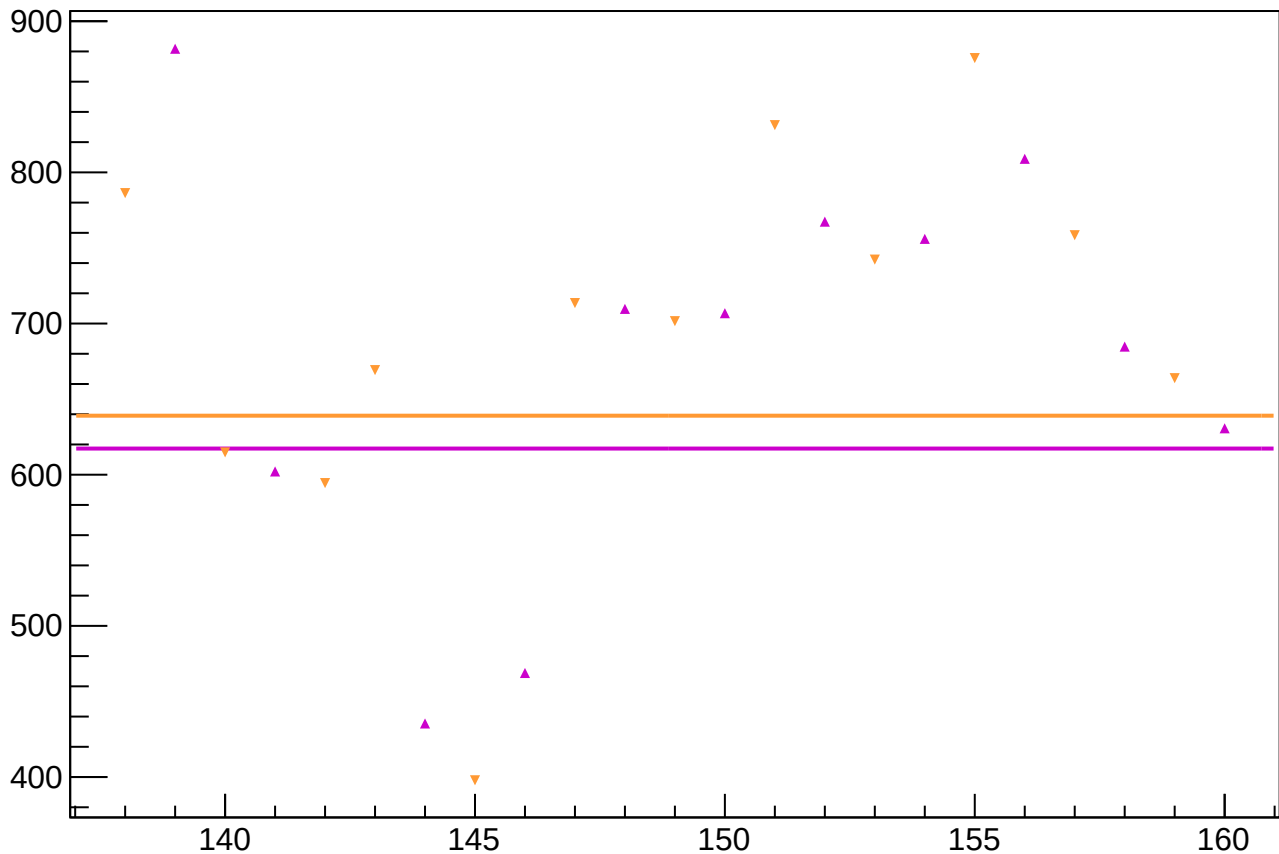
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.267+/-211.264 χ^2/NDF :9.0/10

Out: 1067.901+/-220.057 χ^2/NDF :28.8/11

All: 544.592+/-152.400 χ^2/NDF : 48.7/22

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 639.042+/-0.156 χ^2/NDF :913600.0/11

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

Left In: 617.295+/-0.149 χ^2/NDF :867250.4/10

Left: 627.726+/-0.108 χ^2/NDF : 1791014.8/22

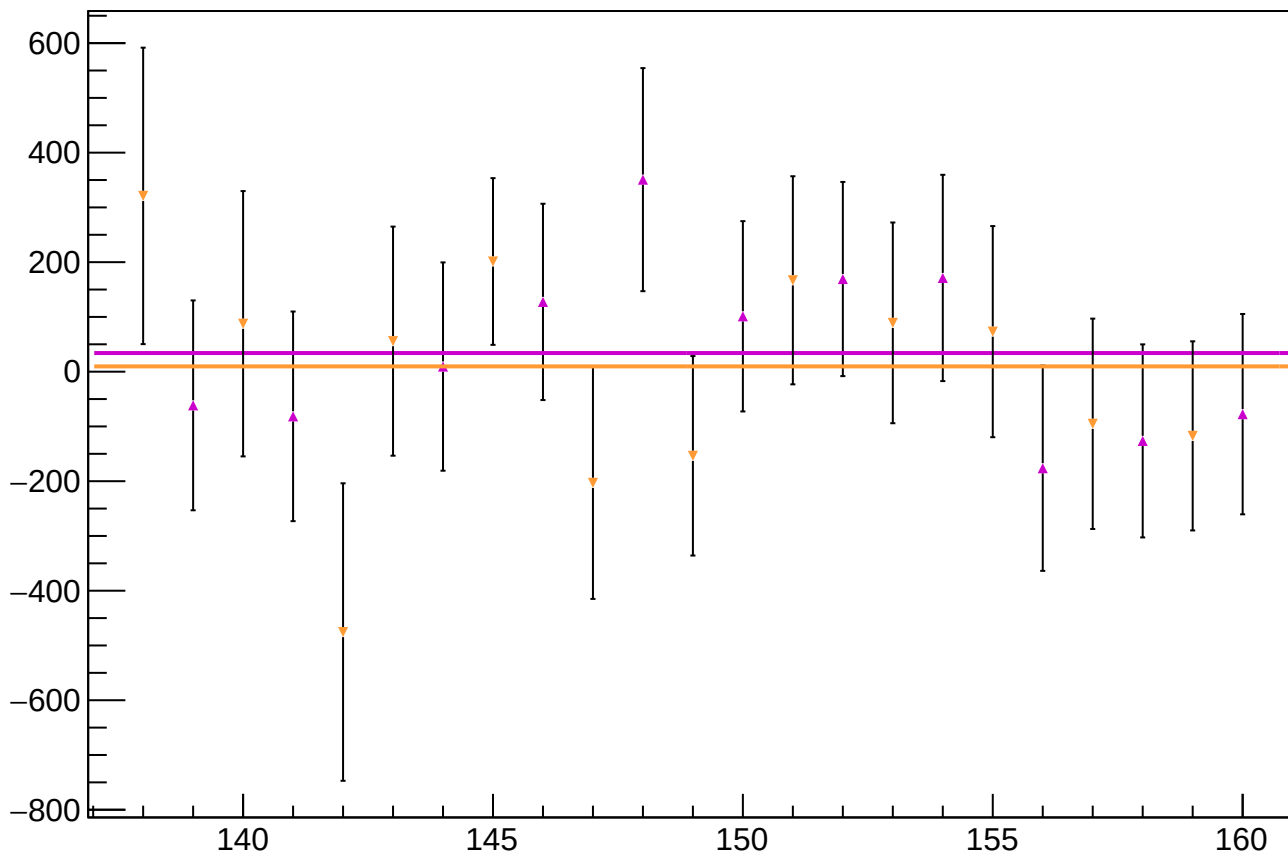
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 617.295+/-0.149 χ^2/NDF :867250.4/10

Out: 639.042+/-0.156 χ^2/NDF :913600.0/11

All: 627.726+/-0.108 χ^2/NDF : 1791014.8/22

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 9.632 $\pm$ 57.010 χ^2 /NDF:9.9/11

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

Left In: 34.034 $\pm$ 55.812 χ^2 /NDF:7.0/10

Left: 22.092 $\pm$ 39.882 χ^2 /NDF: 17.0/22

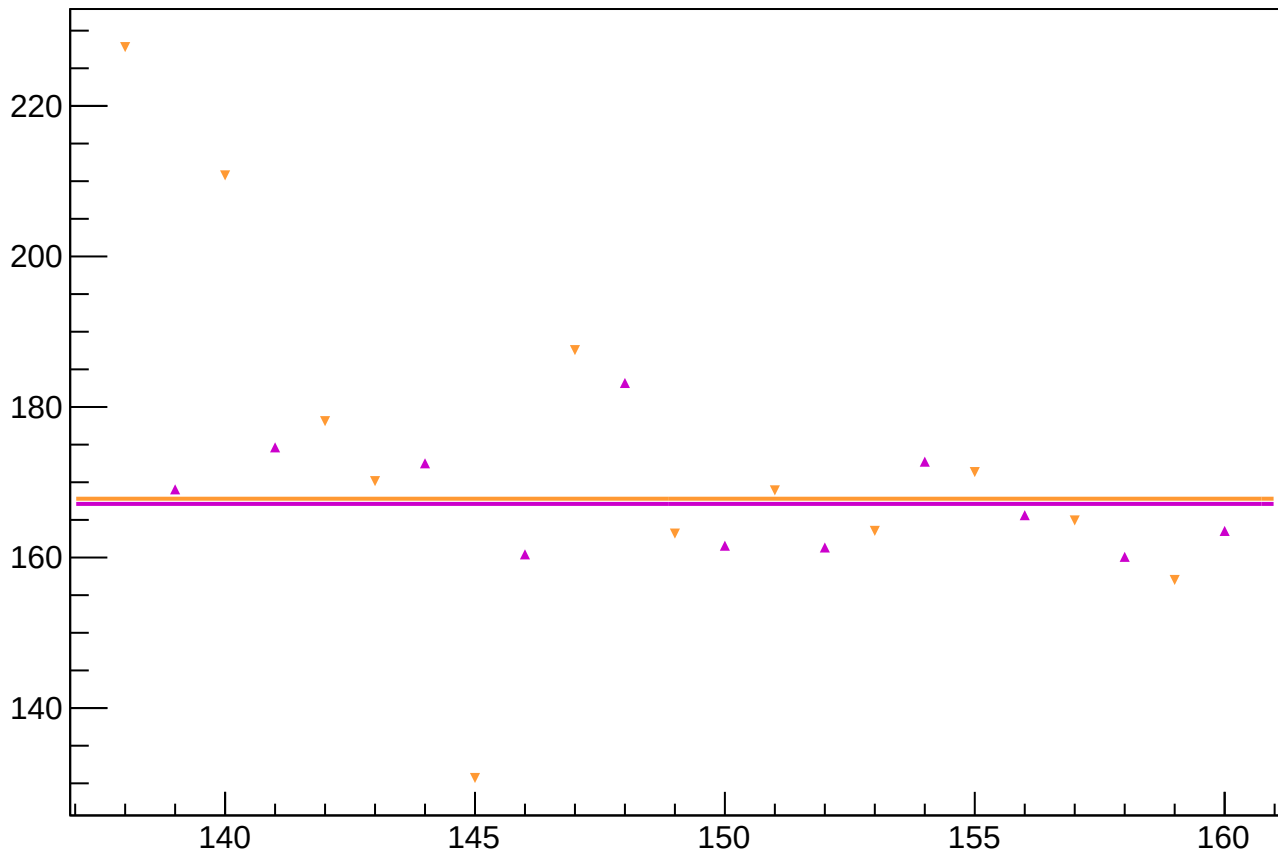
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 34.034 $\pm$ 55.812 χ^2 /NDF:7.0/10

Out: 9.632 $\pm$ 57.010 χ^2 /NDF:9.9/11

All: 22.092 $\pm$ 39.882 χ^2 /NDF: 17.0/22

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 167.815+/-0.040 χ^2/NDF :311840.7/11

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

Left In: 167.123+/-0.039 χ^2/NDF :30160.3/10

Left: 167.462+/-0.028 χ^2/NDF : 342151.4/22

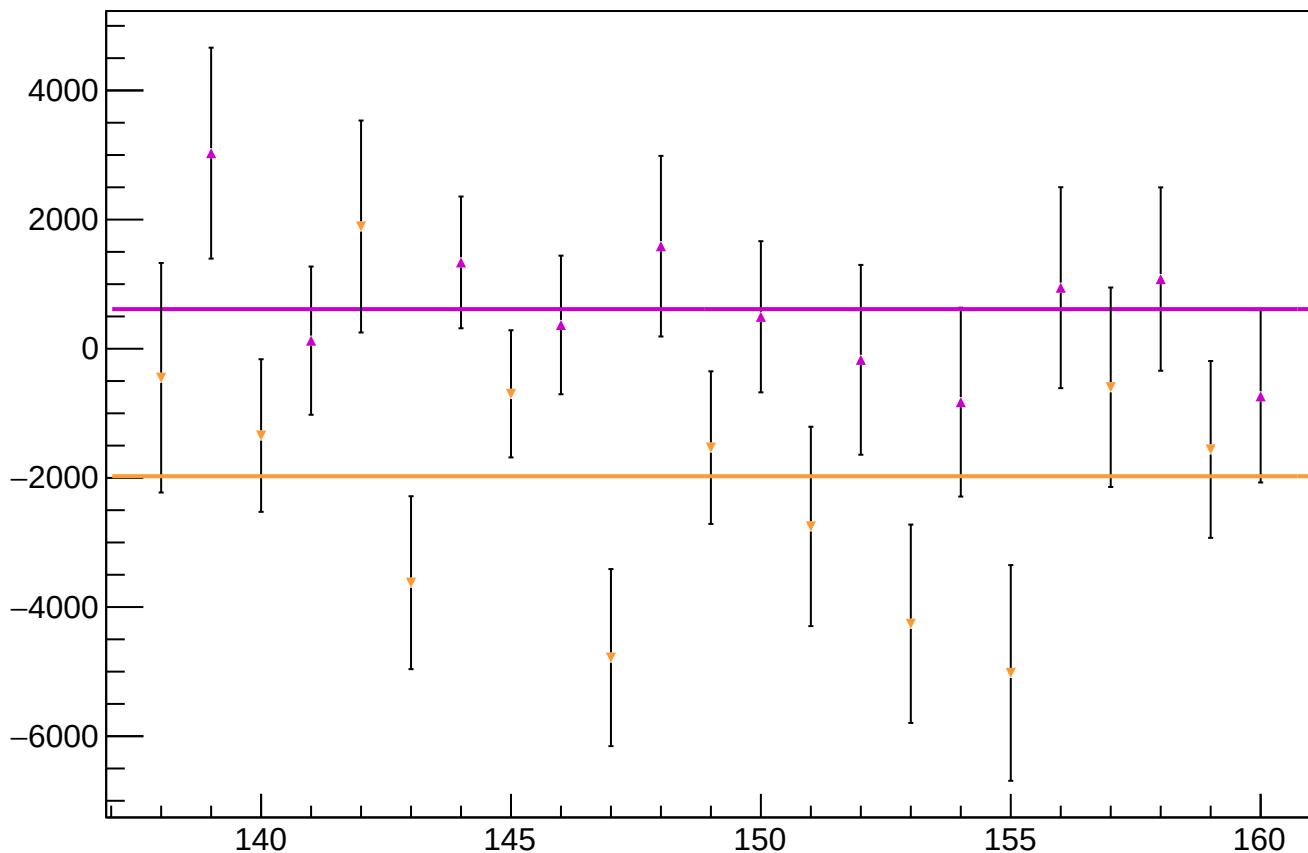
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 167.123+/-0.039 χ^2/NDF :30160.3/10

Out: 167.815+/-0.040 χ^2/NDF :311840.7/11

All: 167.462+/-0.028 χ^2/NDF : 342151.4/22

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1973.959+/-395.400 χ^2/NDF :20.8/11

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

Left In: 613.861+/-389.058 χ^2/NDF :5.9/10

Left: -659.131+/-277.320 χ^2/NDF : 48.4/22

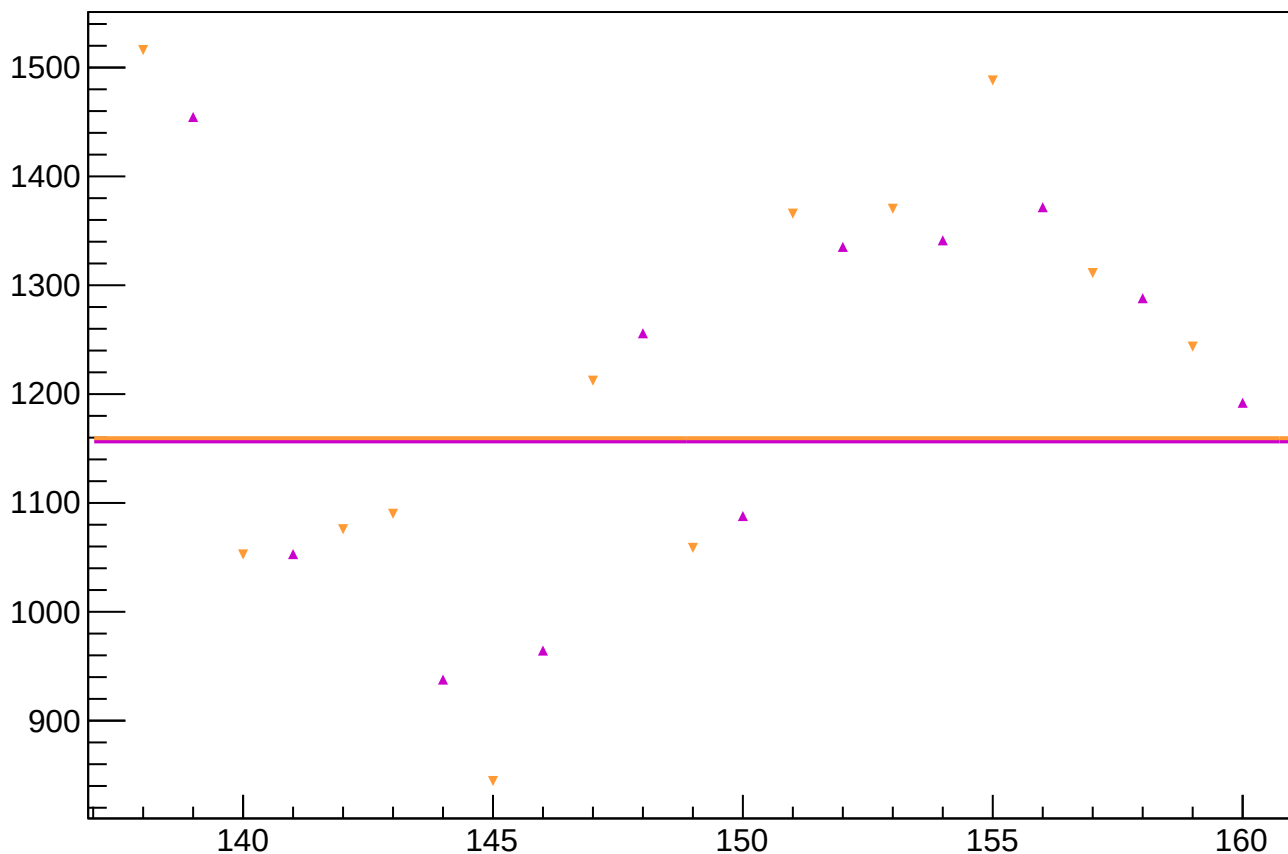
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 613.861+/-389.058 χ^2/NDF :5.9/10

Out: -1973.959+/-395.400 χ^2/NDF :20.8/11

All: -659.131+/-277.320 χ^2/NDF : 48.4/22

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1159.484+/-0.280 χ^2/NDF :507253.1/11

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

Left In: 1156.550+/-0.275 χ^2/NDF :374316.8/10

Left: 1157.993+/-0.196 χ^2/NDF : 881625.9/22

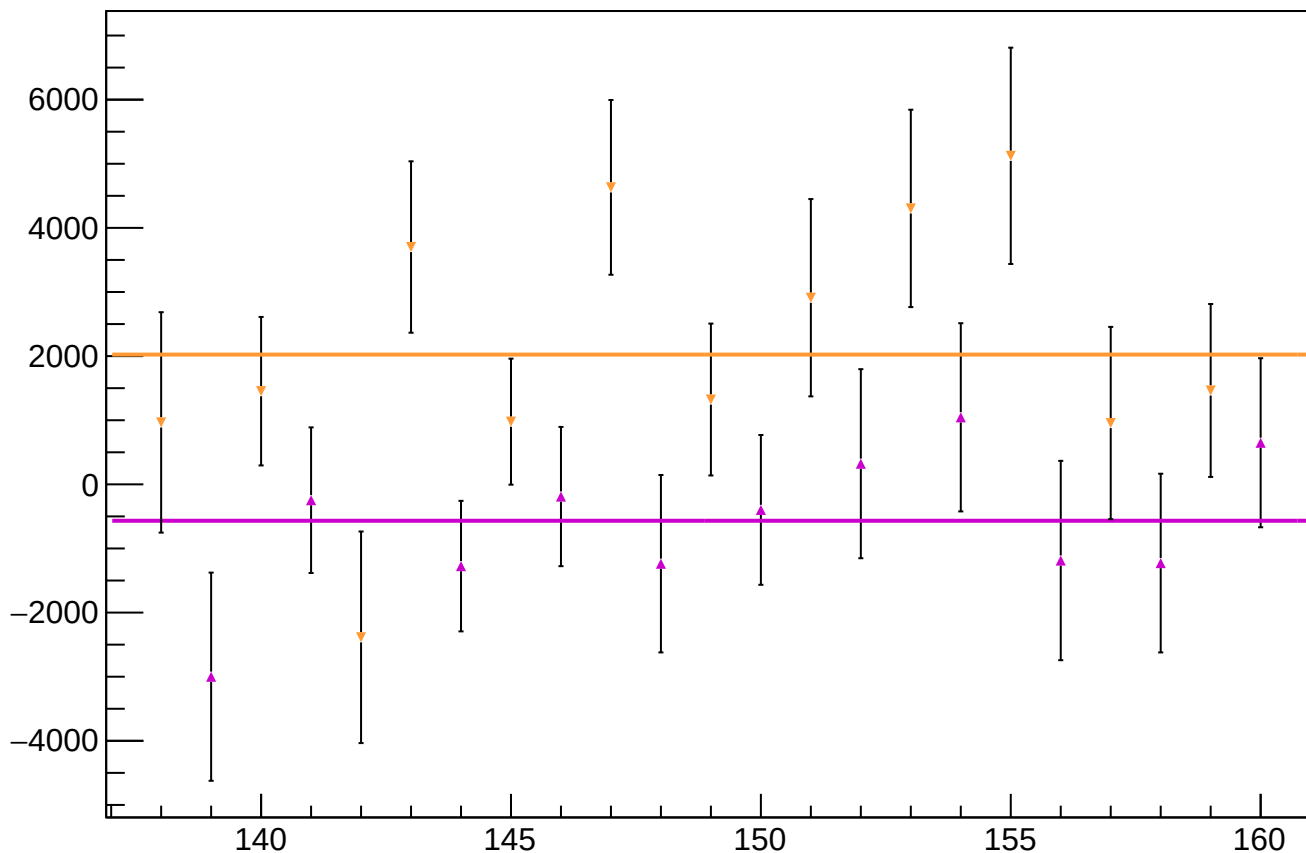
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1156.550+/-0.275 χ^2/NDF :374316.8/10

Out: 1159.484+/-0.280 χ^2/NDF :507253.1/11

All: 1157.993+/-0.196 χ^2/NDF : 881625.9/22

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 2023.937+/-392.581 χ^2/NDF :21.1/11

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

Left In: -567.825+/-387.729 χ^2/NDF :6.0/10

Left: 711.939+/-275.865 χ^2/NDF : 49.1/22

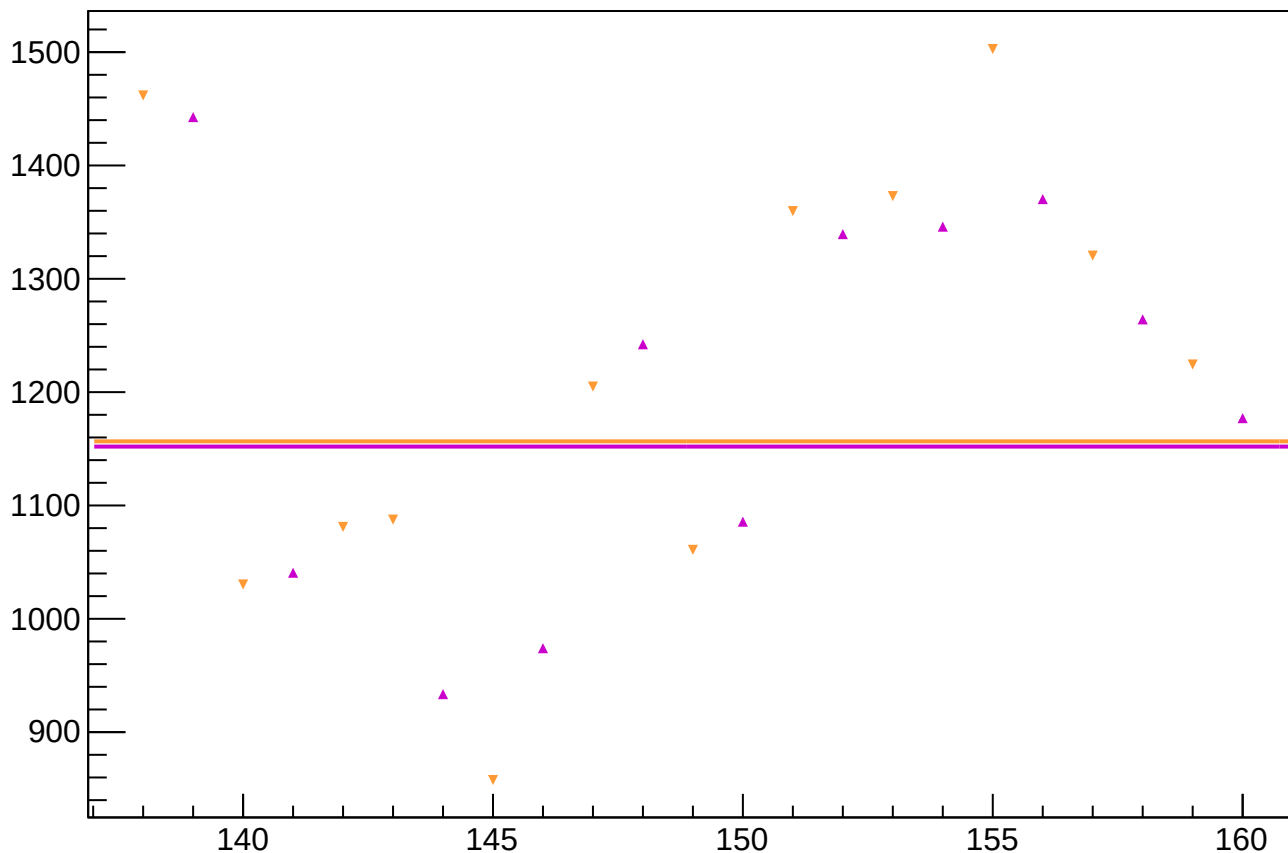
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -567.825+/-387.729 χ^2/NDF :6.0/10

Out: 2023.937+/-392.581 χ^2/NDF :21.1/11

All: 711.939+/-275.865 χ^2/NDF : 49.1/22

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 1156.590+/-0.278 χ^2/NDF : 484401.0/11

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

Left In: 1151.953+/-0.274 χ^2/NDF : 364567.3/10

Left: 1154.243+/-0.195 χ^2/NDF : 849109.6/22

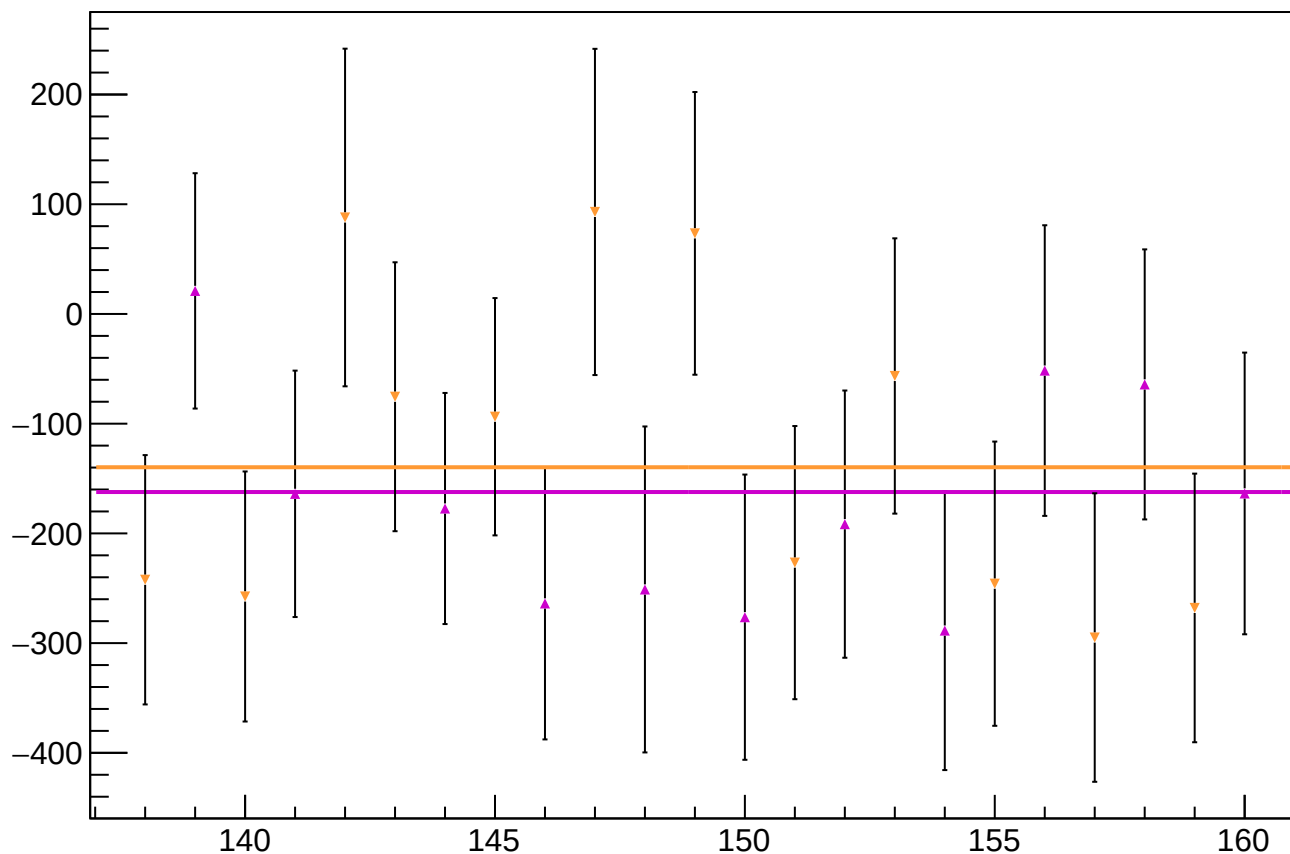
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1151.953+/-0.274 χ^2/NDF : 364567.3/10

Out: 1156.590+/-0.278 χ^2/NDF : 484401.0/11

All: 1154.243+/-0.195 χ^2/NDF : 849109.6/22

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -139.713+/-36.119 χ^2/NDF :13.8/11

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

Left In: -162.298+/-36.786 χ^2/NDF :7.1/10

Left: -150.799+/-25.773 χ^2/NDF : 21.1/22

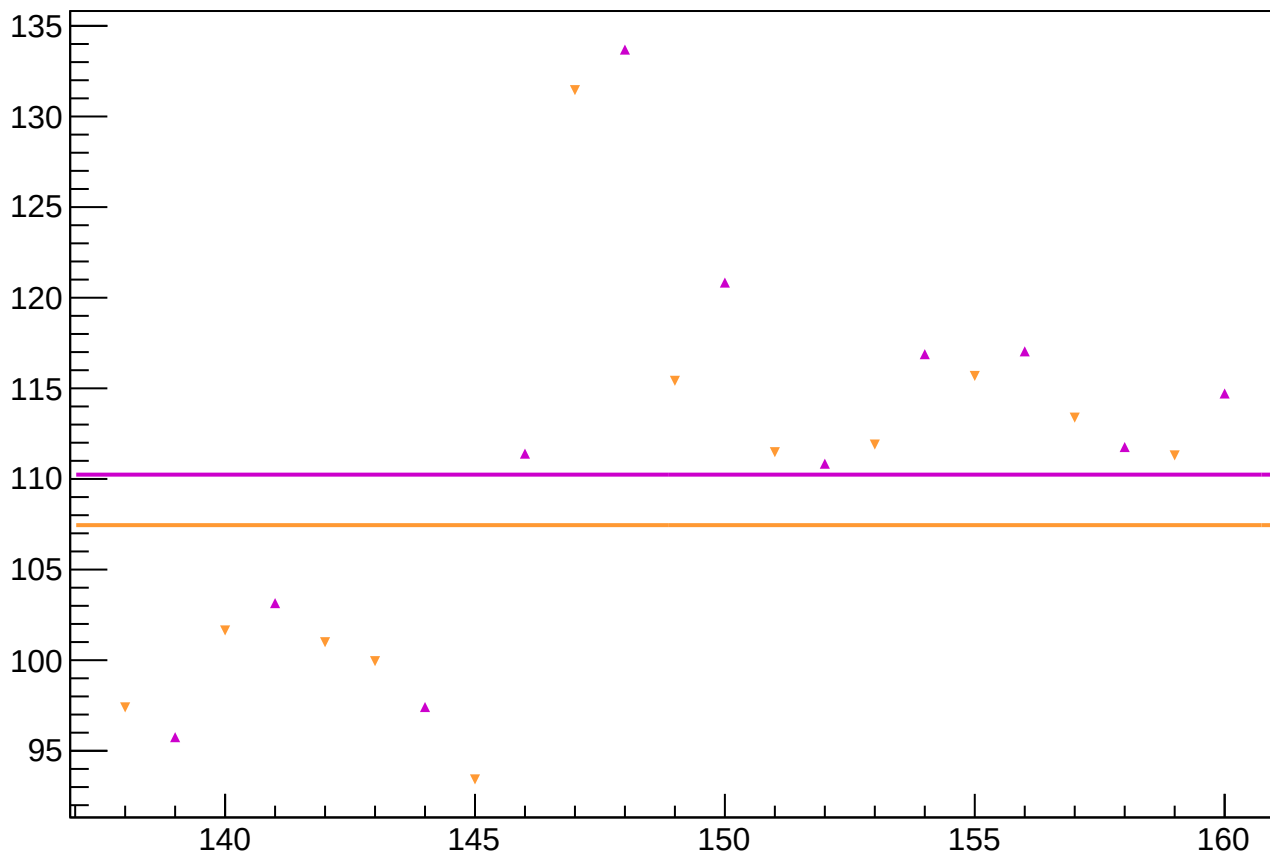
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -162.298+/-36.786 χ^2/NDF :7.1/10

Out: -139.713+/-36.119 χ^2/NDF :13.8/11

All: -150.799+/-25.773 χ^2/NDF : 21.1/22

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 107.452+/-0.026 χ^2/NDF :144050.0/11

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

Left In: 110.239+/-0.026 χ^2/NDF :150952.1/10

Left: 108.820+/-0.018 χ^2/NDF : 300847.1/22

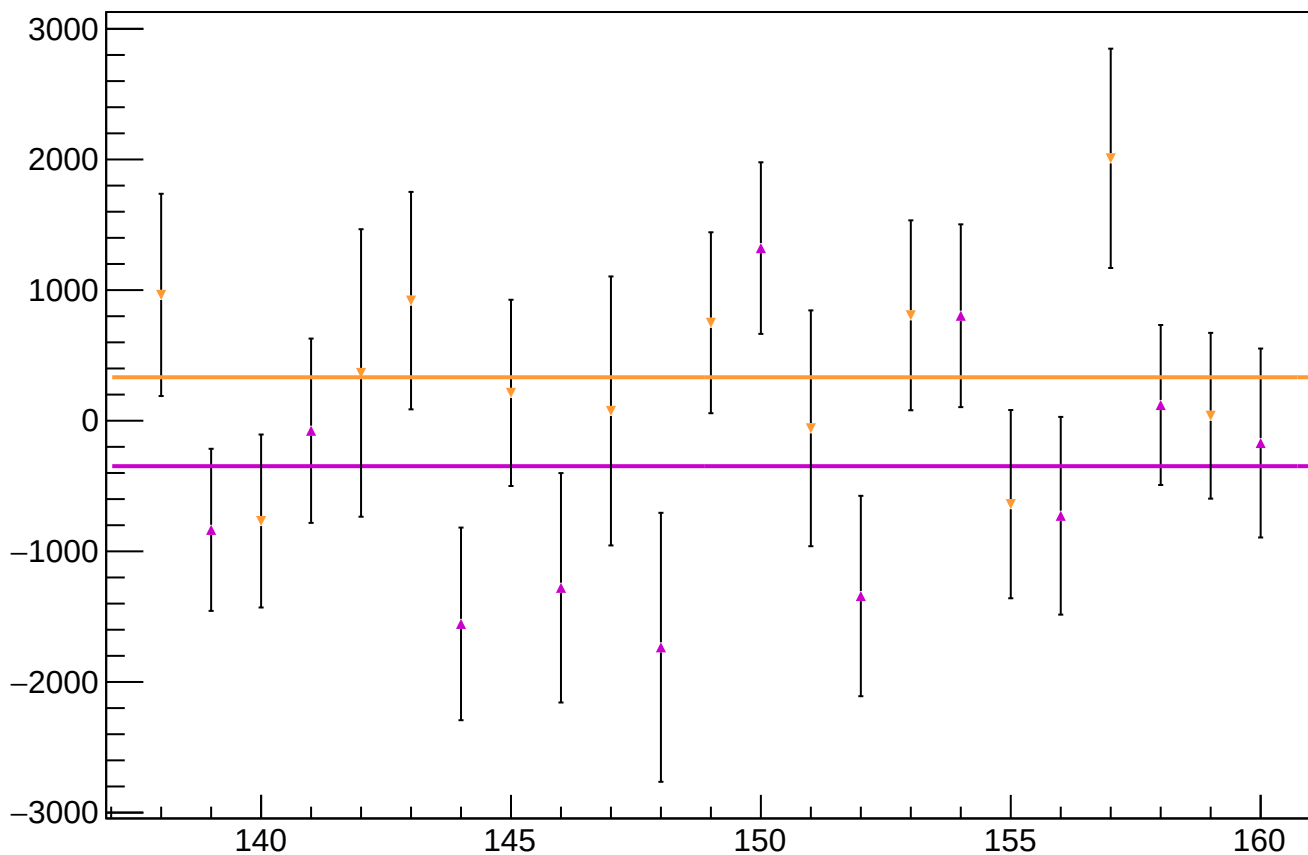
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 110.239+/-0.026 χ^2/NDF :150952.1/10

Out: 107.452+/-0.026 χ^2/NDF :144050.0/11

All: 108.820+/-0.018 χ^2/NDF : 300847.1/22

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 332.749+/-222.705 χ^2/NDF : 11.0/11

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

Left In: -347.965+/-217.857 χ^2/NDF : 18.1/10

Left: -15.098+/-155.734 χ^2/NDF : 33.9/22

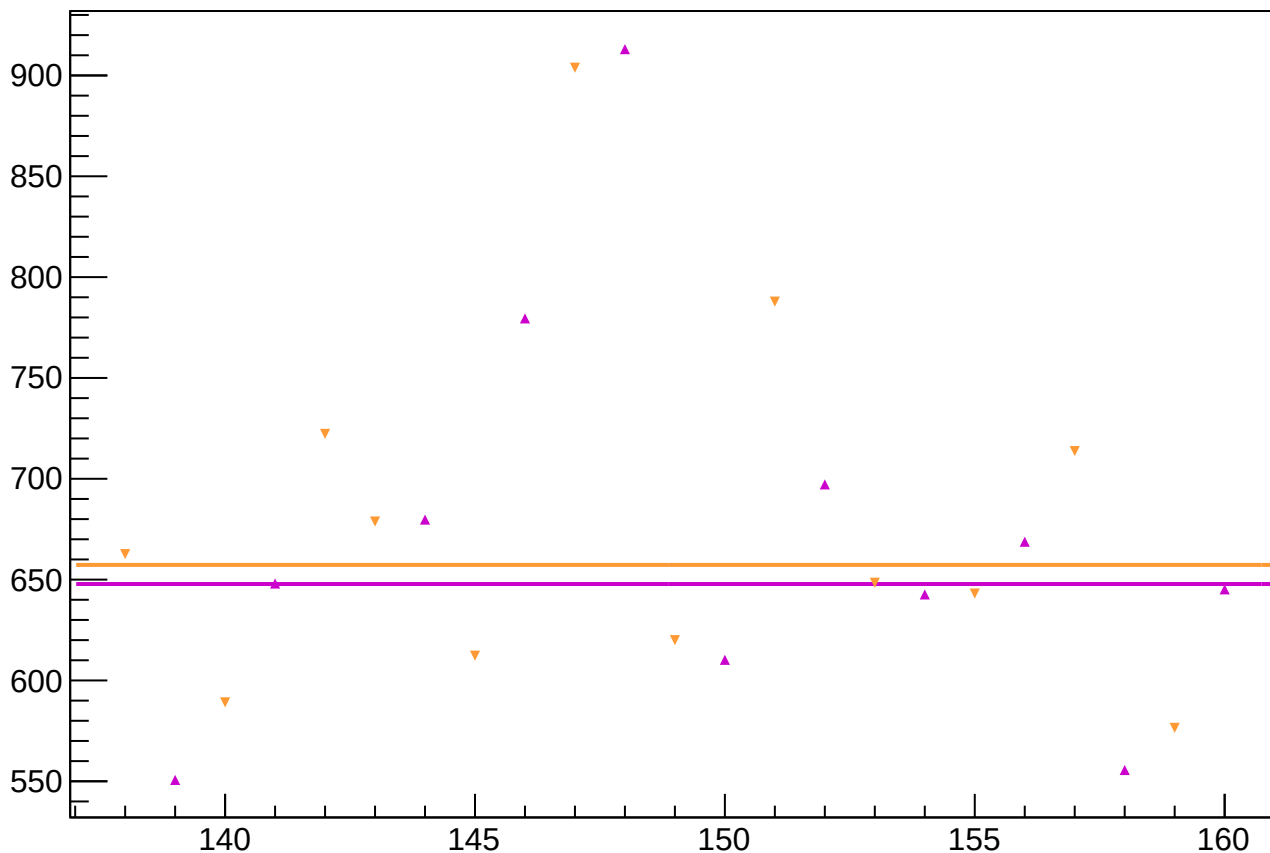
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -347.965+/-217.857 χ^2/NDF : 18.1/10

Out: 332.749+/-222.705 χ^2/NDF : 11.0/11

All: -15.098+/-155.734 χ^2/NDF : 33.9/22

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 657.288+/-0.157 χ^2/NDF :242417.2/11

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

Left In: 647.813+/-0.154 χ^2/NDF :292368.9/10

Left: 652.447+/-0.110 χ^2/NDF : 536636.0/22

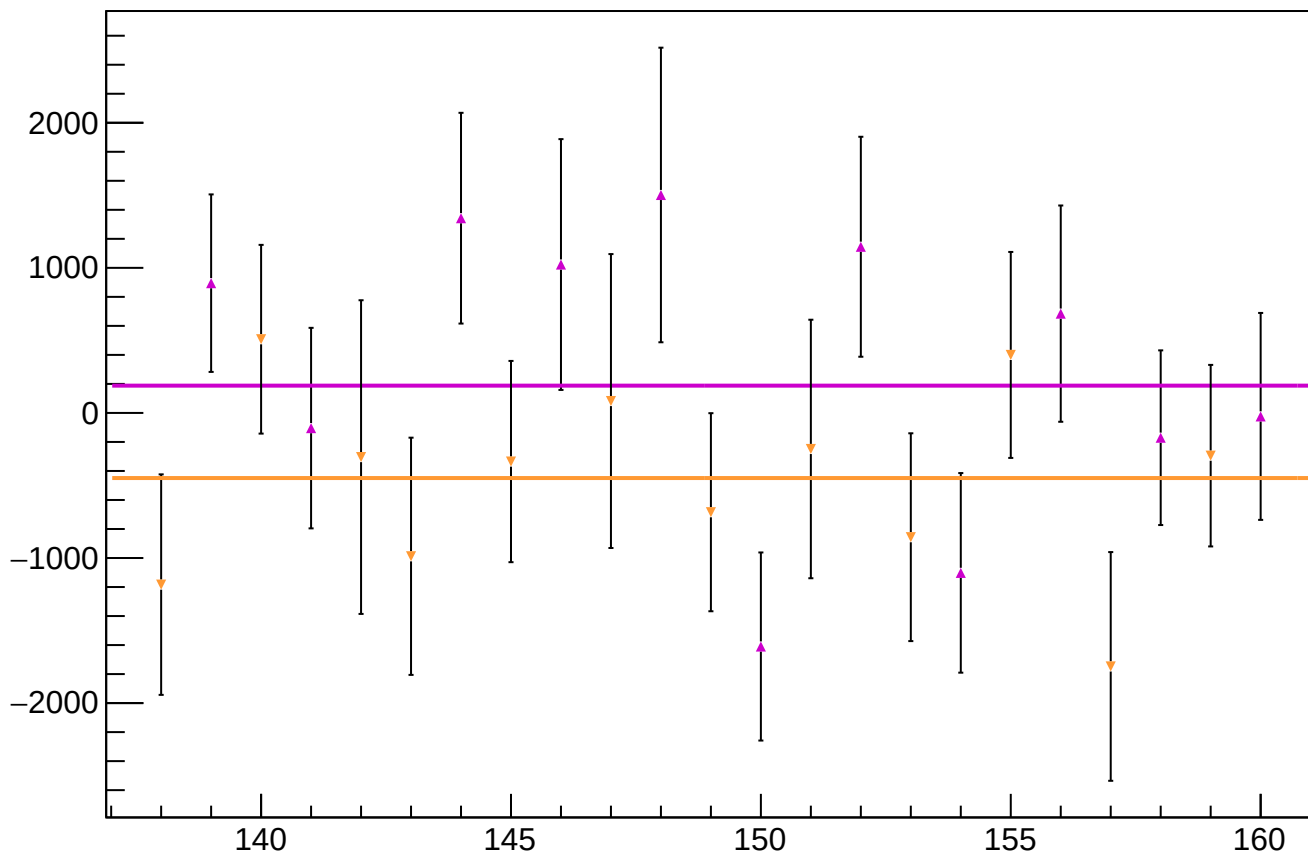
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 647.813+/-0.154 χ^2/NDF :292368.9/10

Out: 657.288+/-0.157 χ^2/NDF :242417.2/11

All: 652.447+/-0.110 χ^2/NDF : 536636.0/22

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -448.802 ± 218.194 $\chi^2/\text{NDF}: 8.5/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 188.109 ± 214.527 $\chi^2/\text{NDF}: 20.3/10$

Left: -124.950 ± 152.973 $\chi^2/\text{NDF}: 33.2/22$

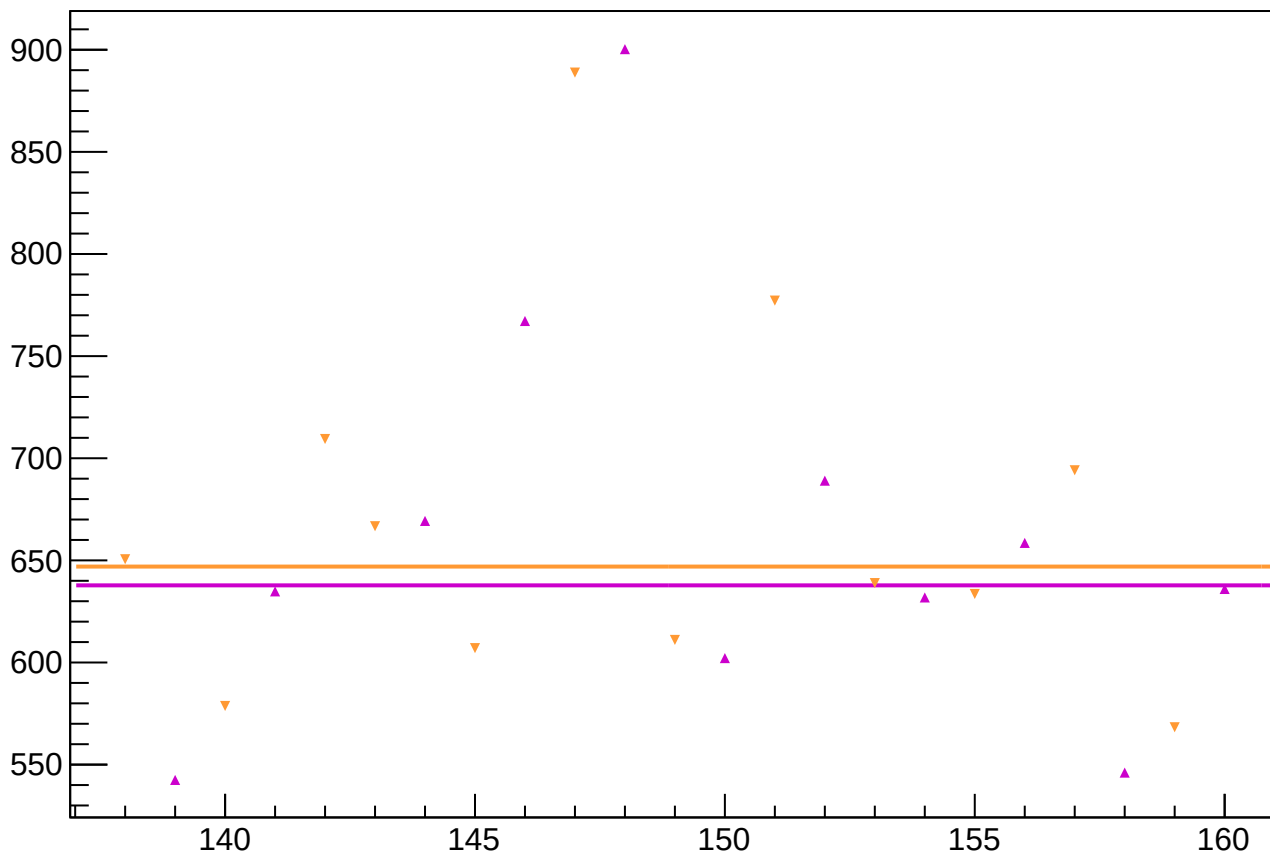
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 188.109 ± 214.527 $\chi^2/\text{NDF}: 20.3/10$

Out: -448.802 ± 218.194 $\chi^2/\text{NDF}: 8.5/11$

All: -124.950 ± 152.973 $\chi^2/\text{NDF}: 33.2/22$

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 646.967+/-0.154 χ^2/NDF :238567.2/11

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

Left In: 637.769+/-0.152 χ^2/NDF :294143.7/10

Left: 642.290+/-0.108 χ^2/NDF : 534517.9/22

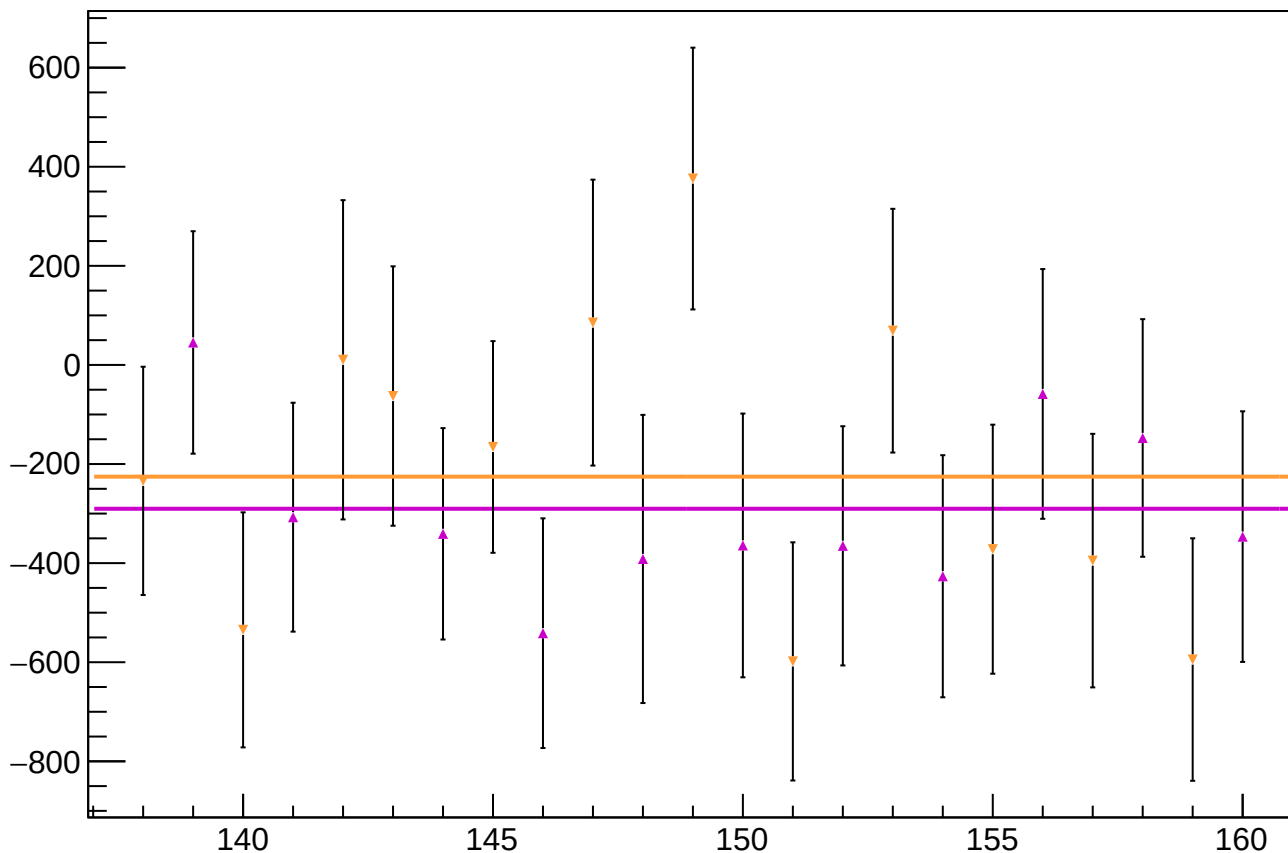
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 637.769+/-0.152 χ^2/NDF :294143.7/10

Out: 646.967+/-0.154 χ^2/NDF :238567.2/11

All: 642.290+/-0.108 χ^2/NDF : 534517.9/22

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -225.465+/-72.402 χ^2/NDF :15.9/11

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

Left In: -290.265+/-72.968 χ^2/NDF :5.3/10

Left: -257.612+/-51.395 χ^2/NDF : 21.7/22

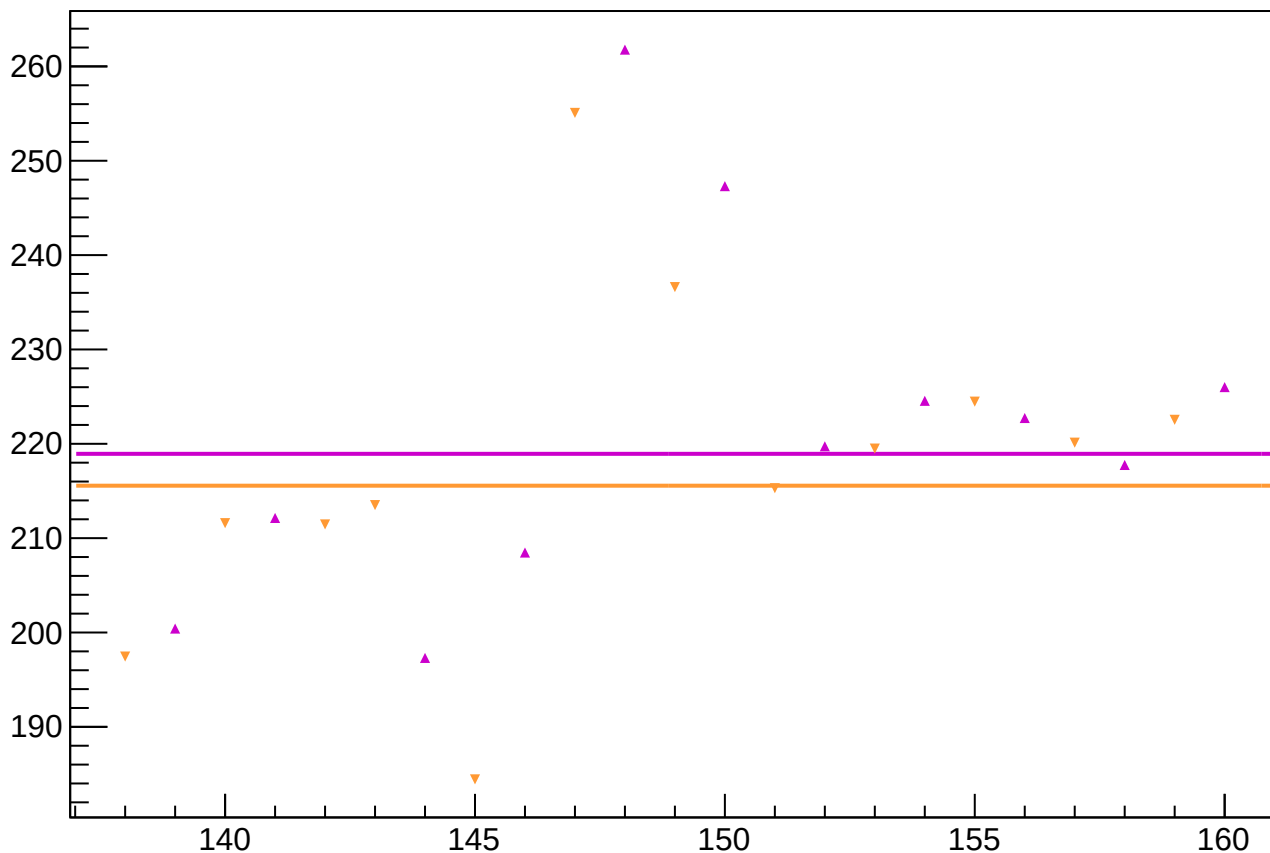
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -290.265+/-72.968 χ^2/NDF :5.3/10

Out: -225.465+/-72.402 χ^2/NDF :15.9/11

All: -257.612+/-51.395 χ^2/NDF : 21.7/22

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 215.560+/-0.051 χ^2/NDF :111338.9/11

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

Left In: 218.938+/-0.052 χ^2/NDF :109266.8/10

Left: 217.236+/-0.036 χ^2/NDF : 222764.5/22

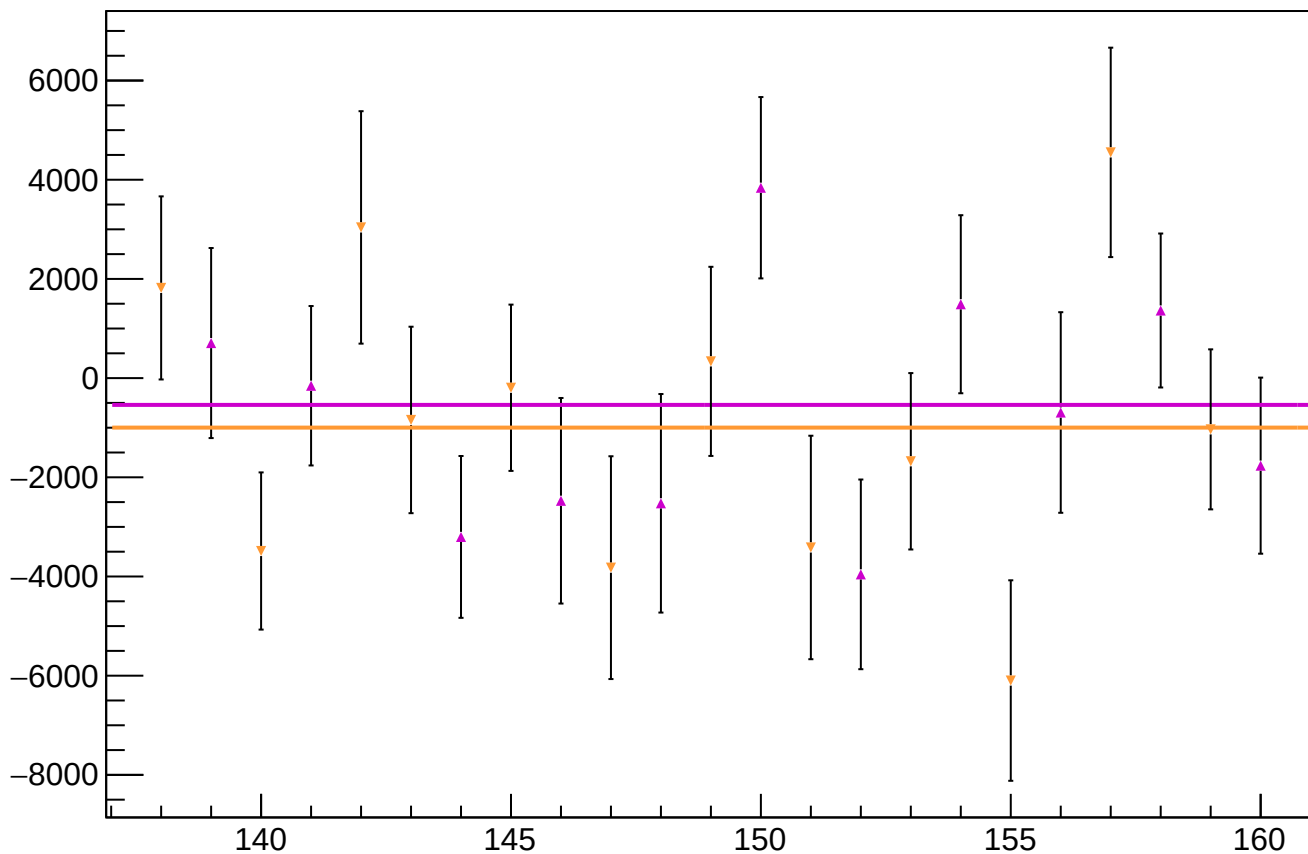
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 218.938+/-0.052 χ^2/NDF :109266.8/10

Out: 215.560+/-0.051 χ^2/NDF :111338.9/11

All: 217.236+/-0.036 χ^2/NDF : 222764.5/22

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -997.839+/-546.164 χ^2/NDF :24.6/11

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

Left In: -540.068+/-547.687 χ^2/NDF :17.0/10

Left: -769.591+/-386.734 χ^2/NDF : 42.0/22

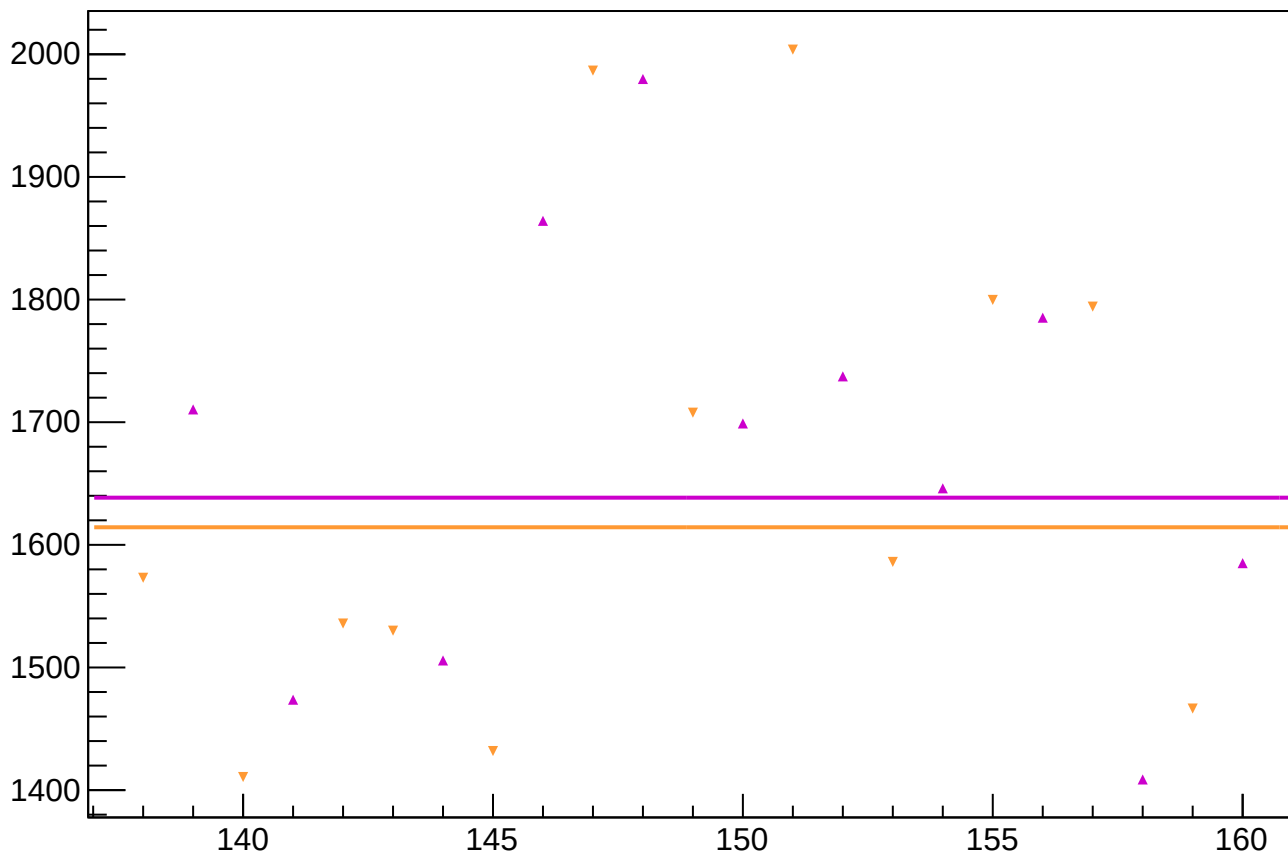
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -540.068+/-547.687 χ^2/NDF :17.0/10

Out: -997.839+/-546.164 χ^2/NDF :24.6/11

All: -769.591+/-386.734 χ^2/NDF : 42.0/22

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1614.327+/-0.386 χ^2/NDF :232155.8/11

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

Left In: 1638.462+/-0.387 χ^2/NDF :172564.3/10

Left: 1626.361+/-0.273 χ^2/NDF : 406667.4/22

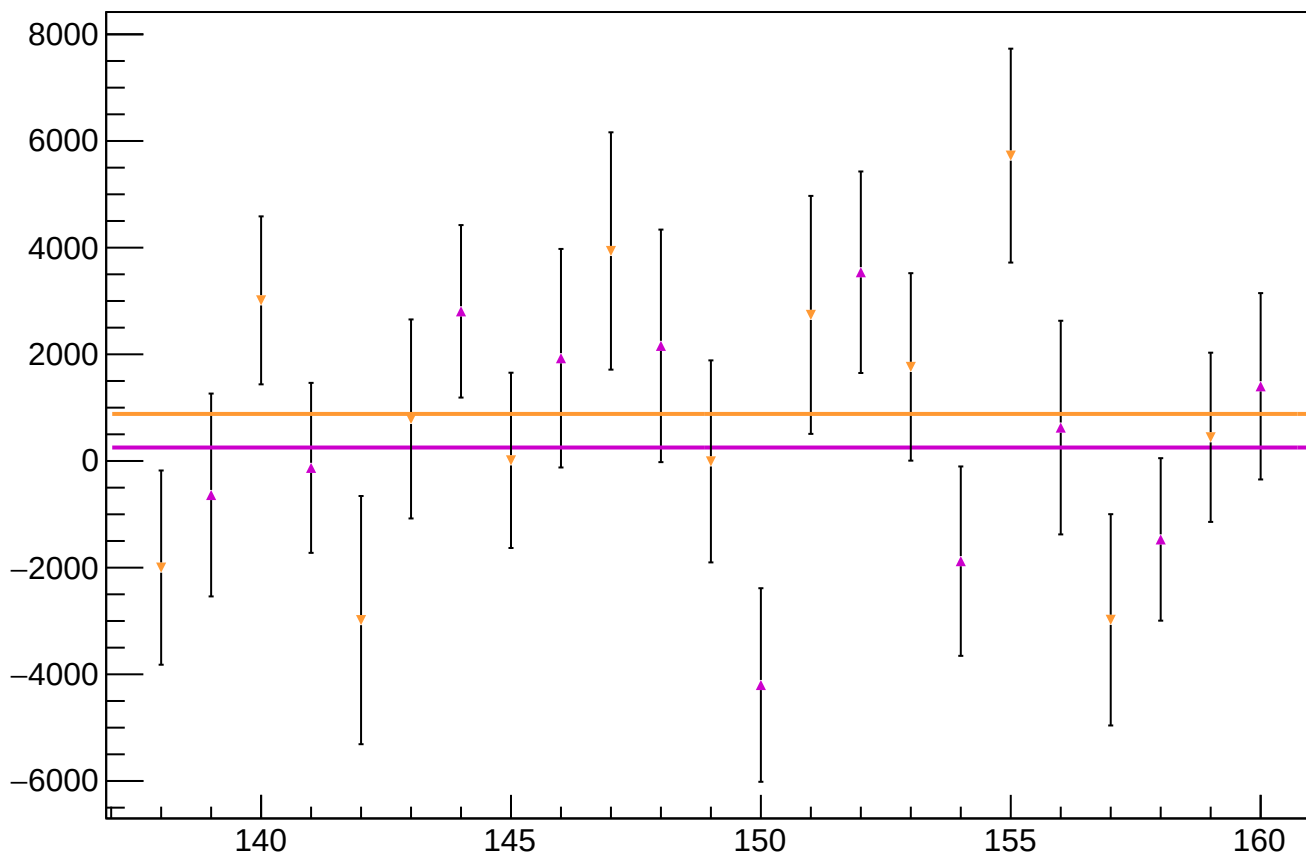
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1638.462+/-0.387 χ^2/NDF :172564.3/10

Out: 1614.327+/-0.386 χ^2/NDF :232155.8/11

All: 1626.361+/-0.273 χ^2/NDF : 406667.4/22

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 882.380+/-538.121 χ^2/NDF :20.1/11

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

Left In: 252.523+/-541.530 χ^2/NDF :16.4/10

Left: 569.441+/-381.709 χ^2/NDF : 37.2/22

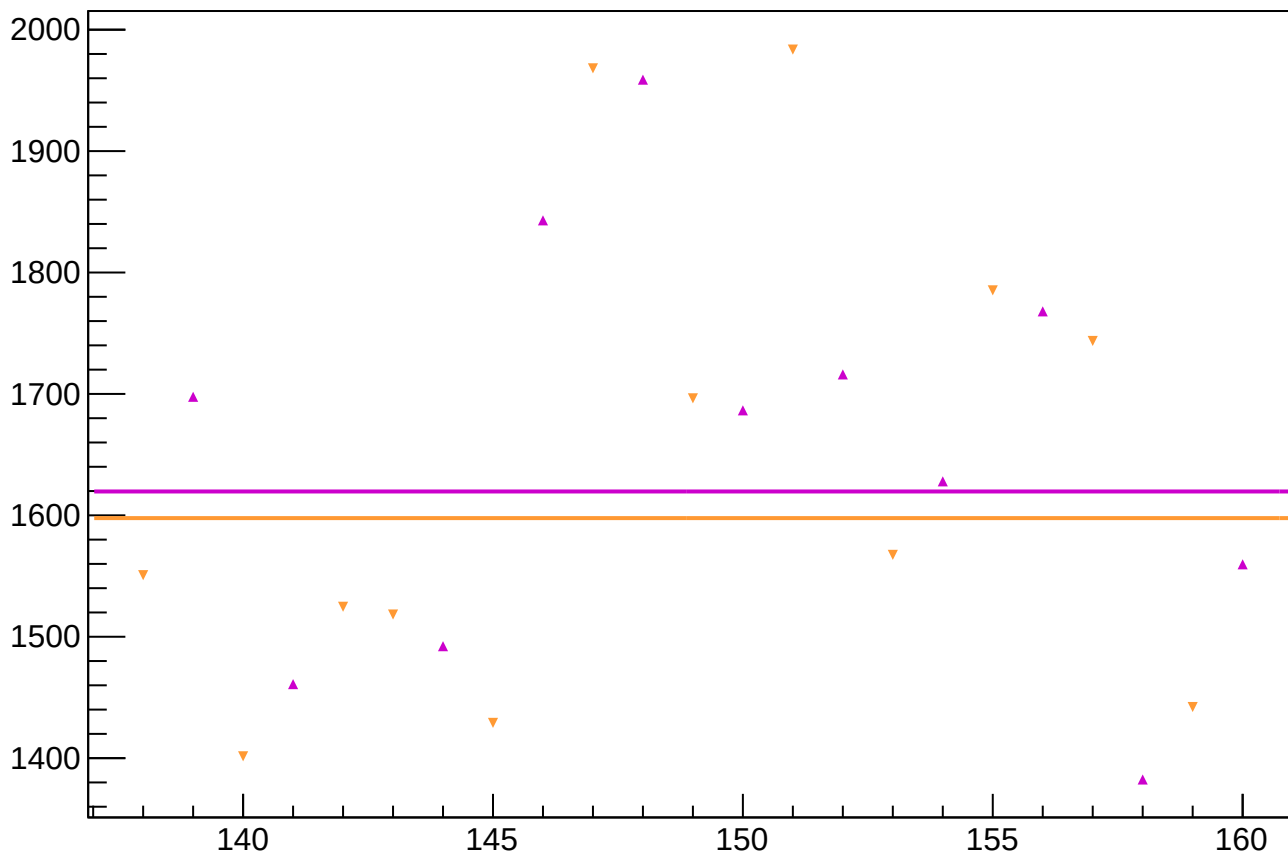
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 252.523+/-541.530 χ^2/NDF :16.4/10

Out: 882.380+/-538.121 χ^2/NDF :20.1/11

All: 569.441+/-381.709 χ^2/NDF : 37.2/22

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 1597.718+/-0.381 χ^2/NDF :227924.8/11

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

Left In: 1619.655+/-0.383 χ^2/NDF :177583.6/10

Left: 1608.617+/-0.270 χ^2/NDF : 407159.8/22

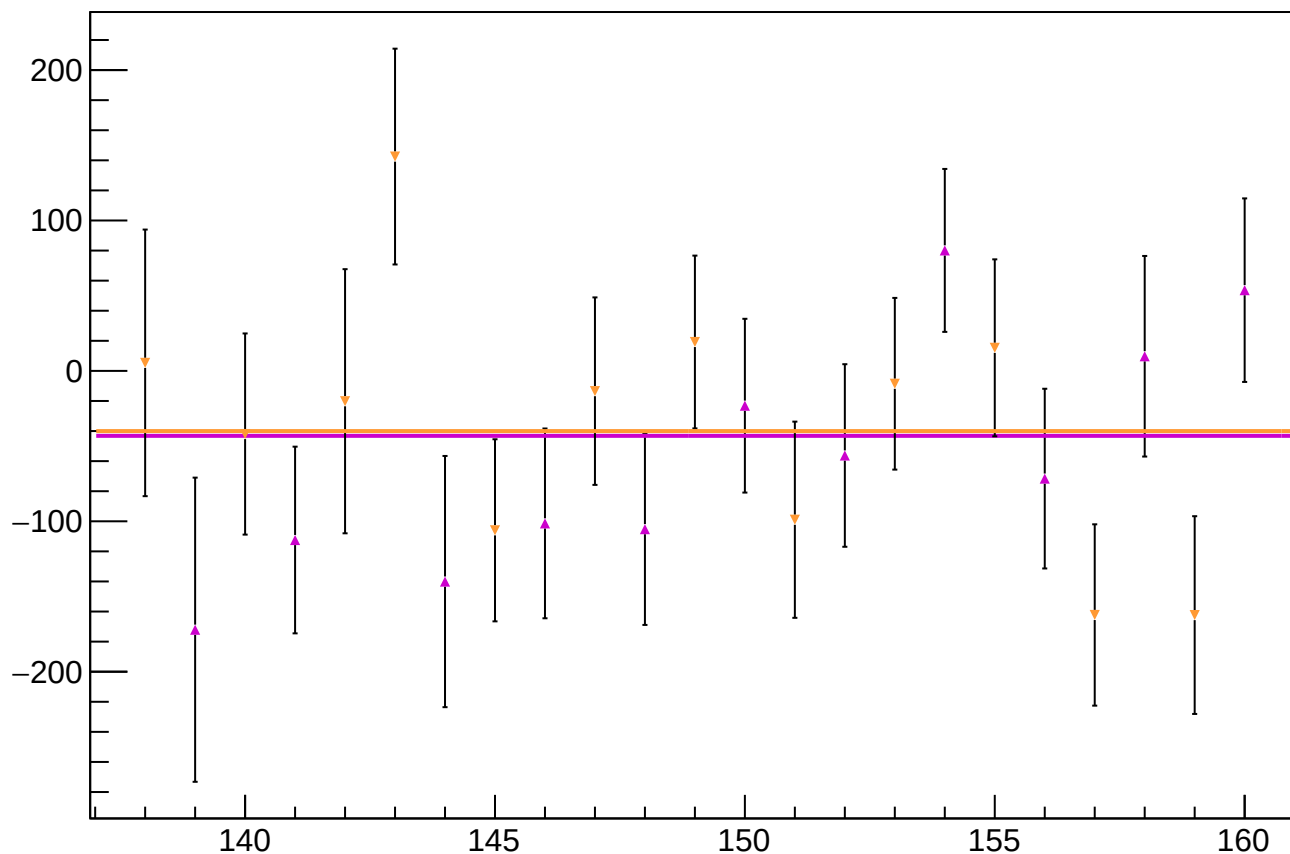
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1619.655+/-0.383 χ^2/NDF :177583.6/10

Out: 1597.718+/-0.381 χ^2/NDF :227924.8/11

All: 1608.617+/-0.270 χ^2/NDF : 407159.8/22

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -40.019+/-18.745 χ^2/NDF :18.8/11

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

Left In: -43.174+/-19.301 χ^2/NDF :14.7/10

Left: -41.551+/-13.447 χ^2/NDF : 33.6/22

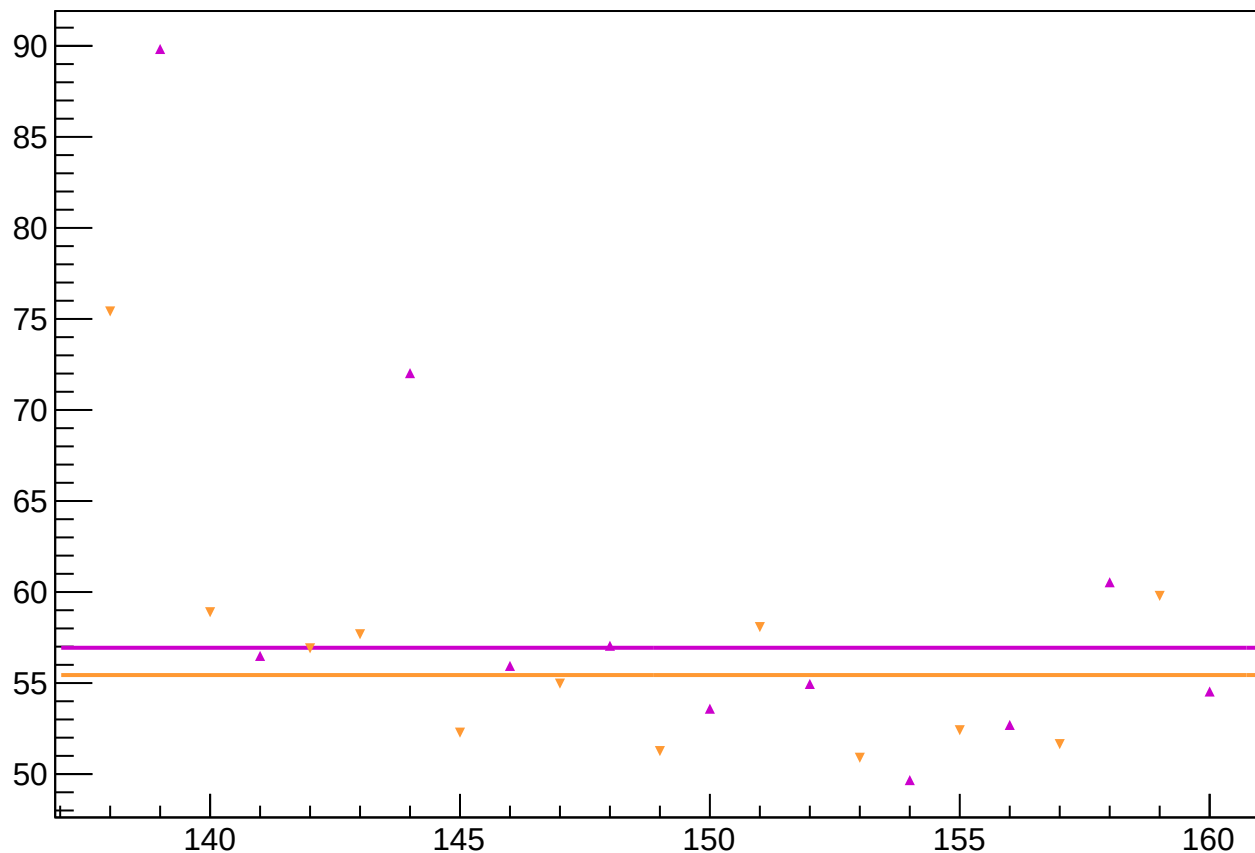
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -43.174+/-19.301 χ^2/NDF :14.7/10

Out: -40.019+/-18.745 χ^2/NDF :18.8/11

All: -41.551+/-13.447 χ^2/NDF : 33.6/22

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 55.439+/-0.013 χ^2/NDF :163475.3/11

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

Left In: 56.938+/-0.014 χ^2/NDF :341344.4/10

Left: 56.167+/-0.010 χ^2/NDF : 511023.4/22

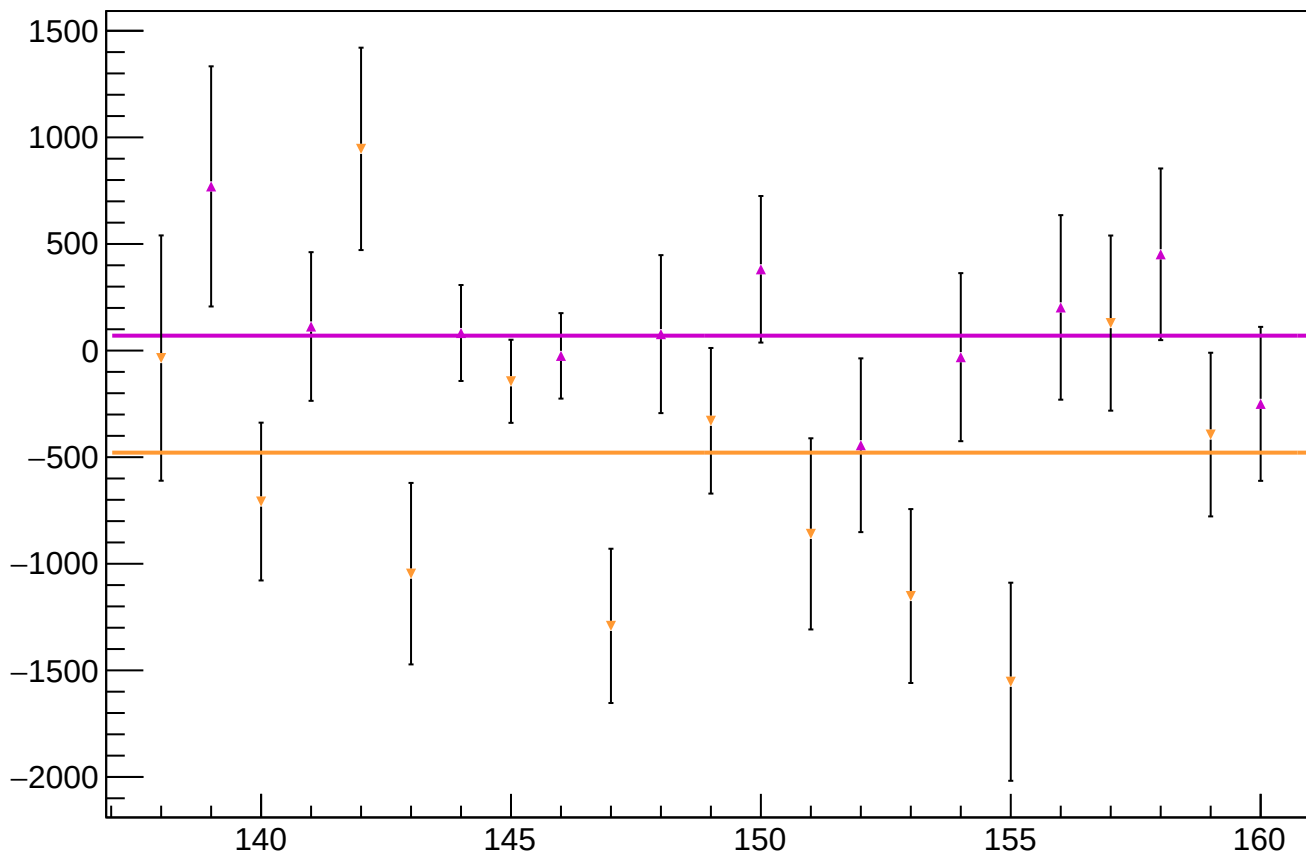
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 56.938+/-0.014 χ^2/NDF :341344.4/10

Out: 55.439+/-0.013 χ^2/NDF :163475.3/11

All: 56.167+/-0.010 χ^2/NDF : 511023.4/22

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -478.723 $\pm$ 104.736 χ^2 /NDF:31.0/11

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

Left In: 69.966 $\pm$ 98.351 χ^2 /NDF:6.0/10

Left: -187.145 $\pm$ 71.696 χ^2 /NDF: 51.6/22

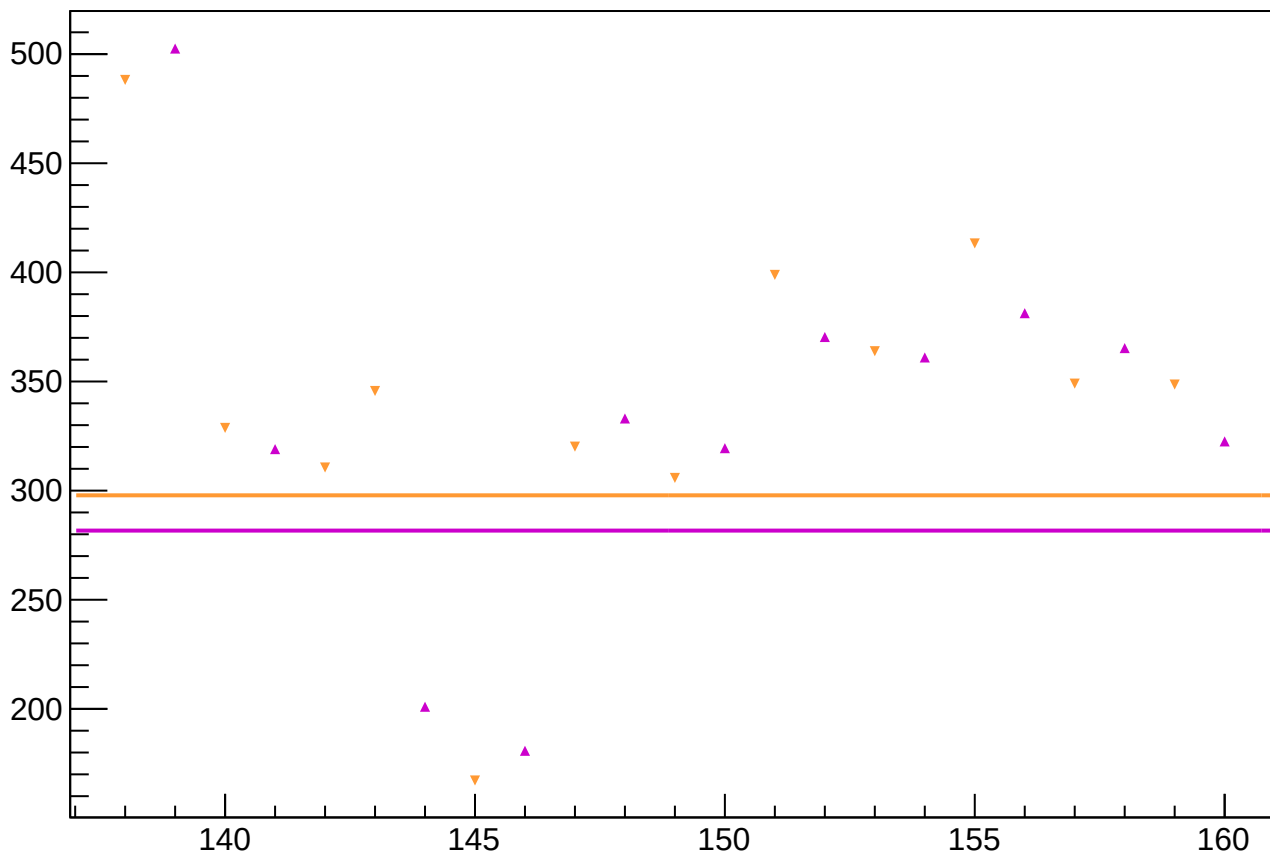
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 69.966 $\pm$ 98.351 χ^2 /NDF:6.0/10

Out: -478.723 $\pm$ 104.736 χ^2 /NDF:31.0/11

All: -187.145 $\pm$ 71.696 χ^2 /NDF: 51.6/22

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 297.849+/-0.074 χ^2/NDF :1510753.8/11

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

Left In: 281.689+/-0.070 χ^2/NDF :1550258.0/10

Left: 289.261+/-0.051 χ^2/NDF : 3086310.8/22

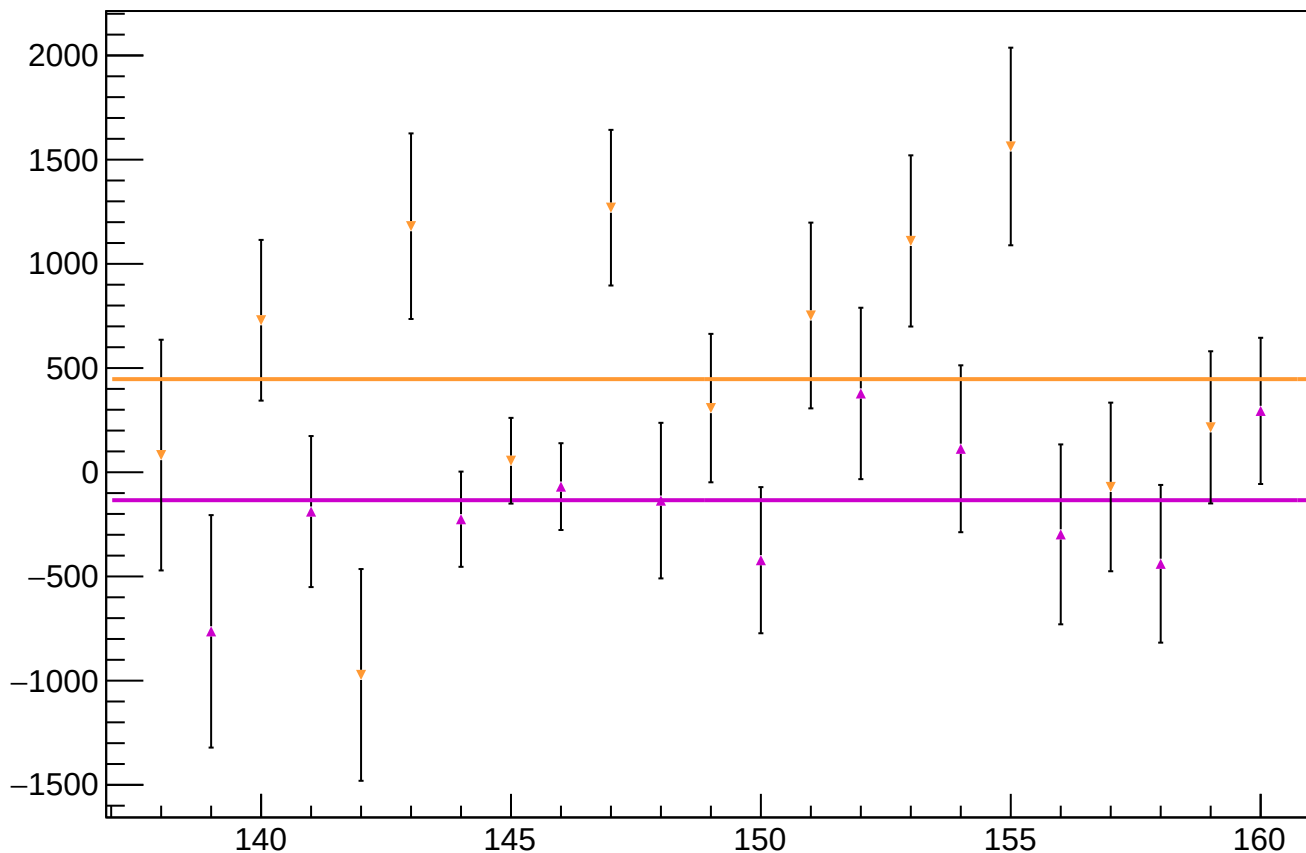
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 281.689+/-0.070 χ^2/NDF :1550258.0/10

Out: 297.849+/-0.074 χ^2/NDF :1510753.8/11

All: 289.261+/-0.051 χ^2/NDF : 3086310.8/22

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: 446.818+/-107.445 χ^2/NDF :30.8/11

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

Left In: -134.079+/-99.511 χ^2/NDF :6.4/10

Left: 134.133+/-73.009 χ^2/NDF : 53.0/22

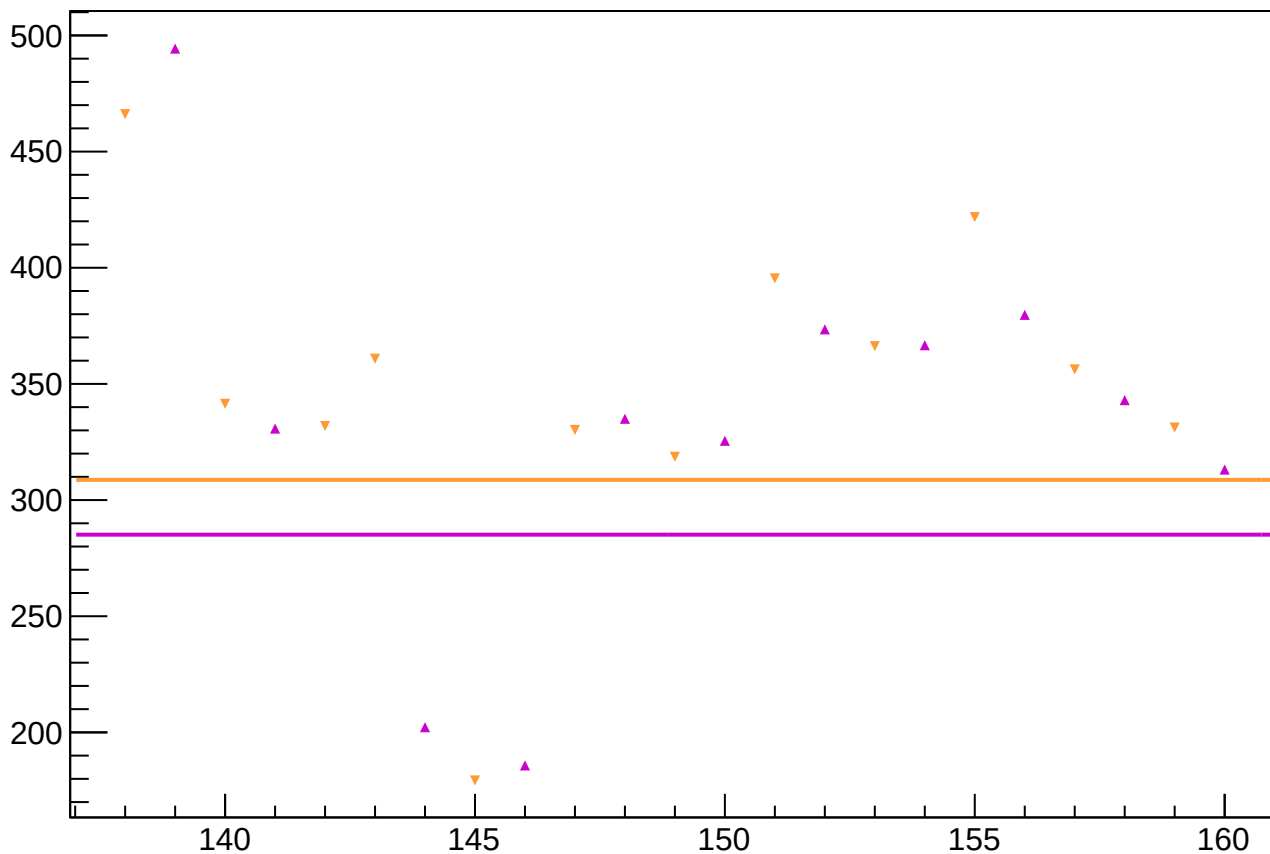
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -134.079+/-99.511 χ^2/NDF :6.4/10

Out: 446.818+/-107.445 χ^2/NDF :30.8/11

All: 134.133+/-73.009 χ^2/NDF : 53.0/22

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 308.703+/-0.076 χ^2/NDF :1271450.2/11

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

Left In: 285.110+/-0.070 χ^2/NDF :1424801.4/10

Left: 296.003+/-0.052 χ^2/NDF : 2748158.1/22

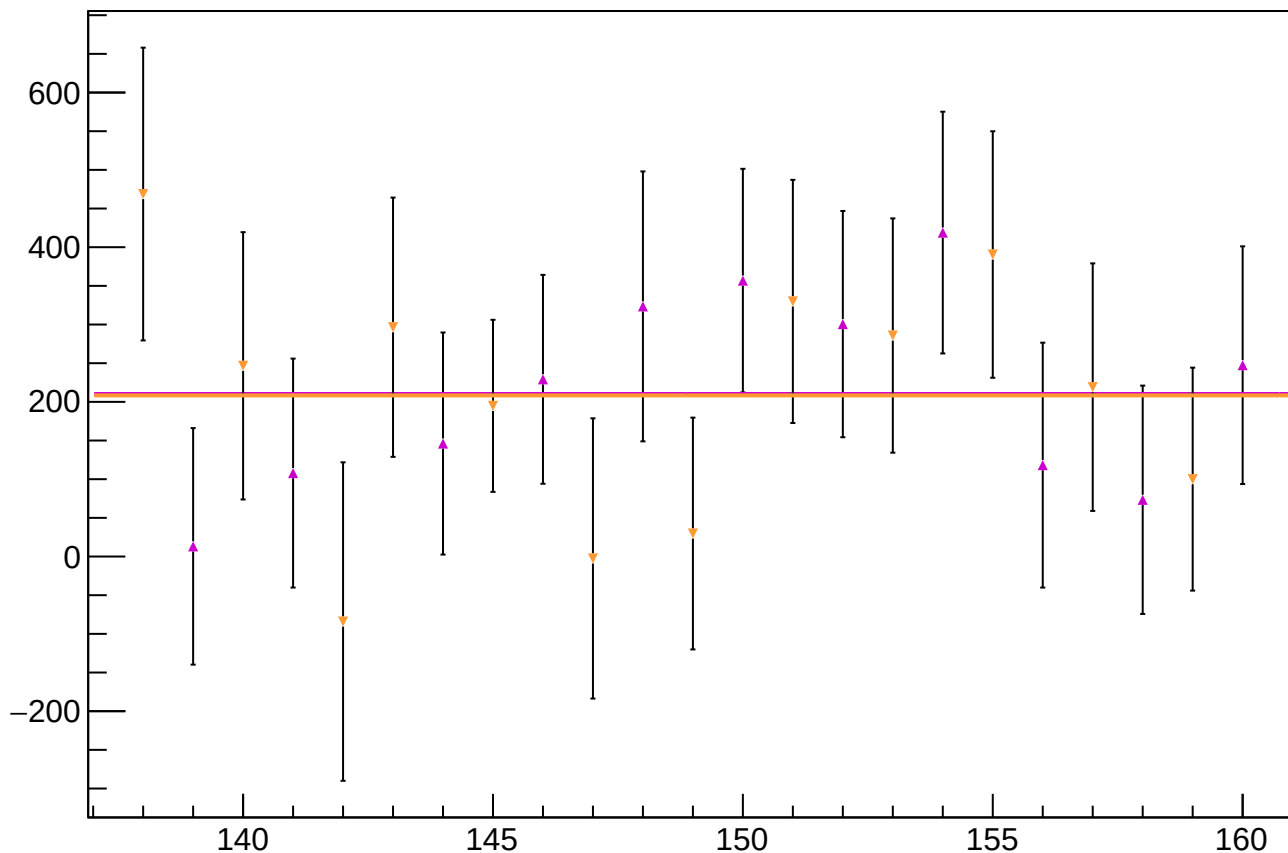
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 285.110+/-0.070 χ^2/NDF :1424801.4/10

Out: 308.703+/-0.076 χ^2/NDF :1271450.2/11

All: 296.003+/-0.052 χ^2/NDF : 2748158.1/22

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 208.345+/-45.318 χ^2/NDF :9.8/11

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

Left In: 210.128+/-45.262 χ^2/NDF :7.2/10

Left: 209.237+/-32.025 χ^2/NDF : 17.0/22

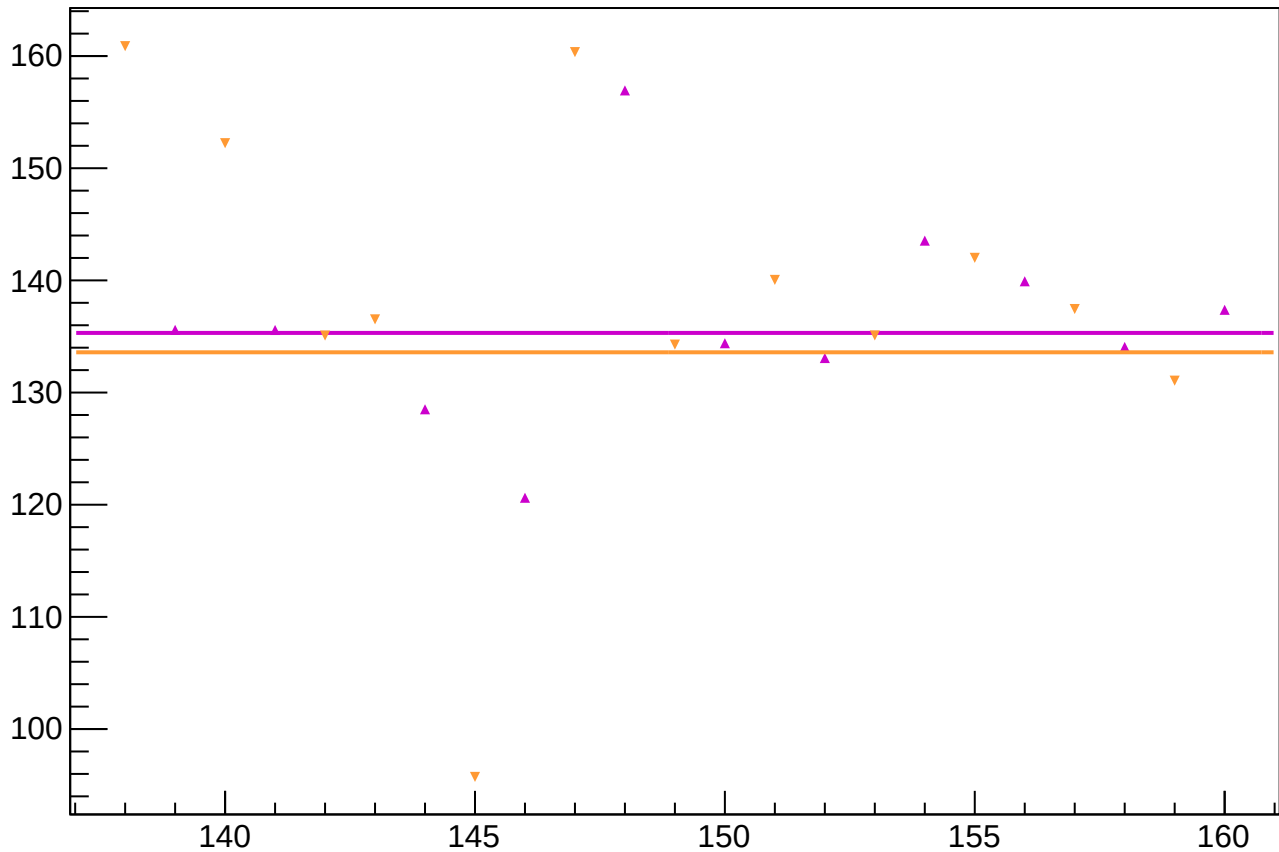
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 210.128+/-45.262 χ^2/NDF :7.2/10

Out: 208.345+/-45.318 χ^2/NDF :9.8/11

All: 209.237+/-32.025 χ^2/NDF : 17.0/22

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 133.589+/-0.032 χ^2/NDF : 351717.6/11

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

Left In: 135.317+/-0.032 χ^2/NDF : 67152.5/10

Left: 134.454+/-0.023 χ^2/NDF : 420325.9/22

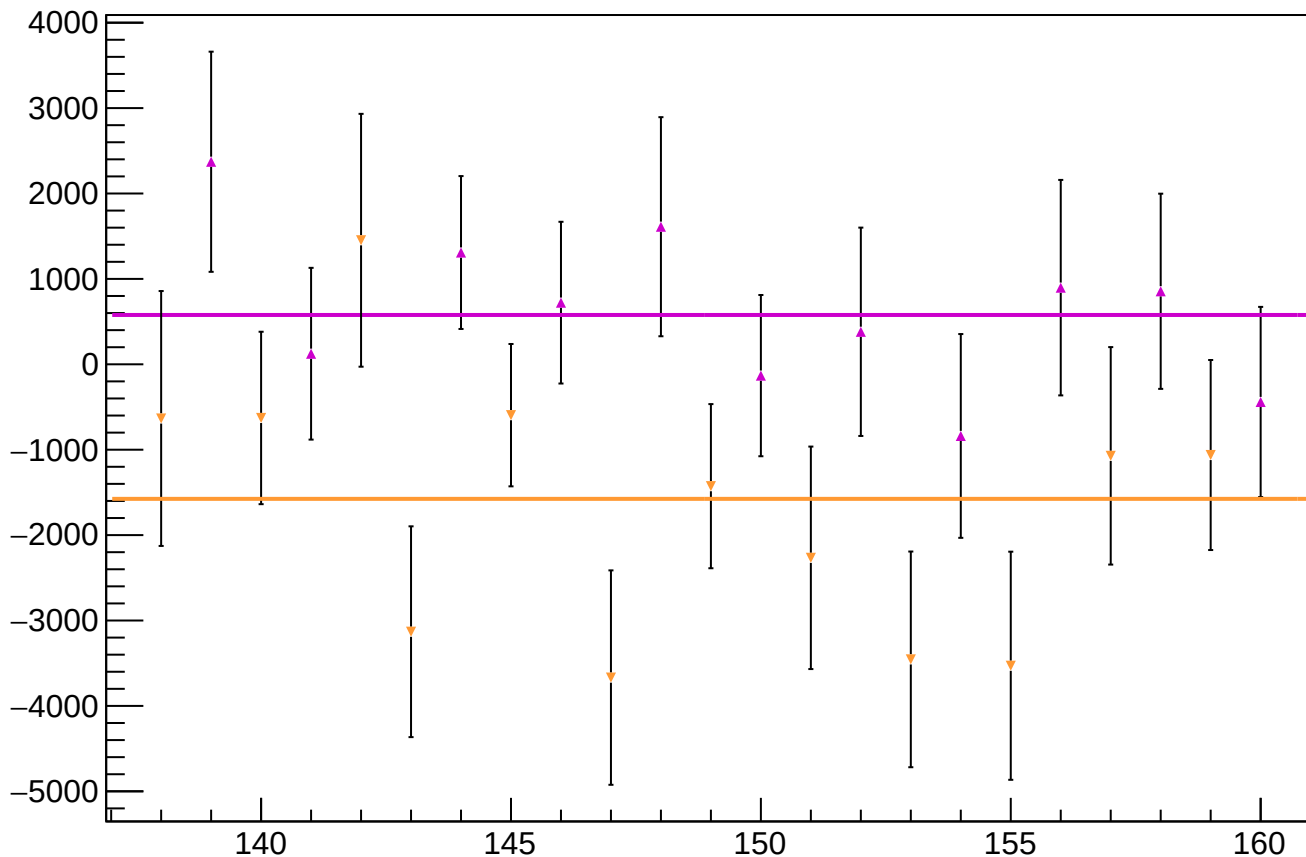
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 135.317+/-0.032 χ^2/NDF : 67152.5/10

Out: 133.589+/-0.032 χ^2/NDF : 351717.6/11

All: 134.454+/-0.023 χ^2/NDF : 420325.9/22

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1575.501+/-335.161 χ^2/NDF : 16.2/11

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

Left In: 577.636+/-328.620 χ^2/NDF : 6.4/10

Left: -477.720+/-234.648 χ^2/NDF : 43.7/22

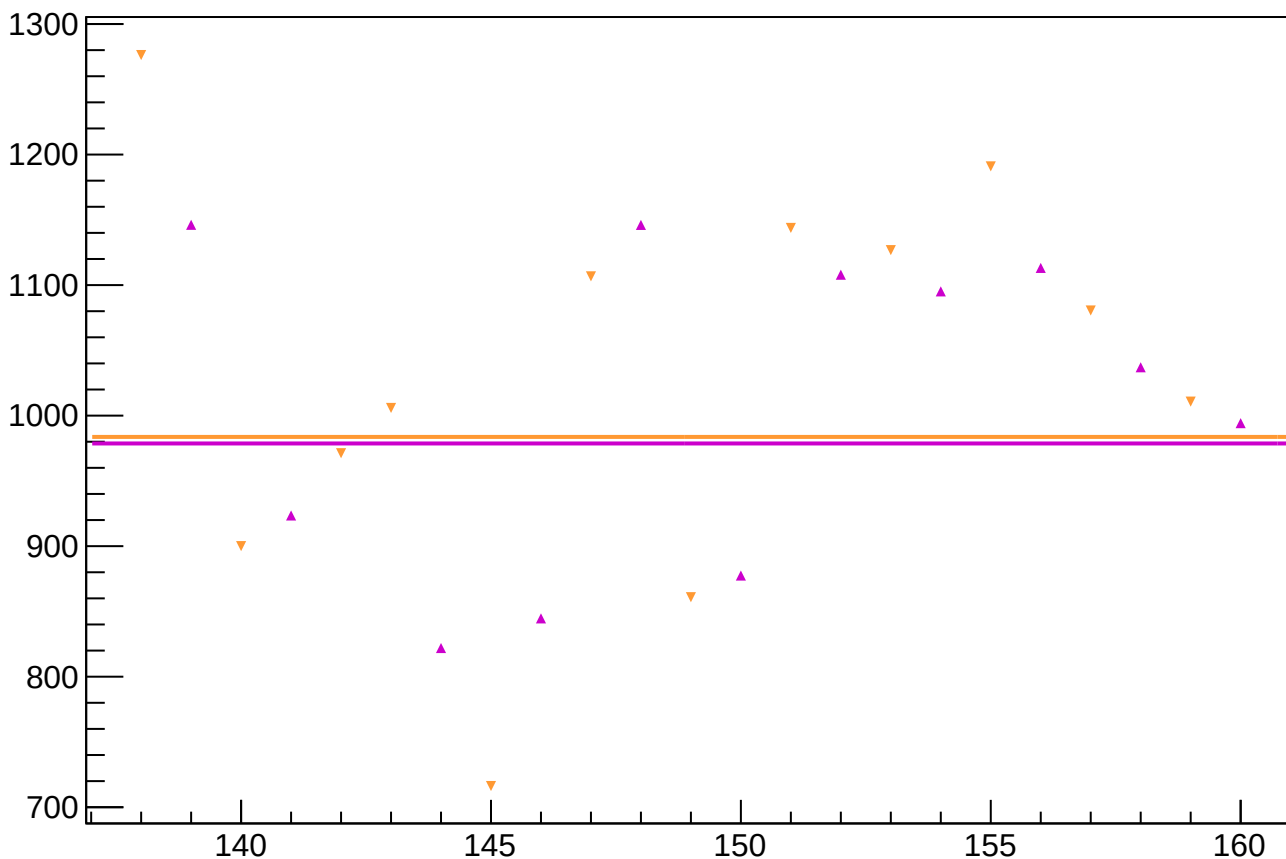
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 577.636+/-328.620 χ^2/NDF : 6.4/10

Out: -1575.501+/-335.161 χ^2/NDF : 16.2/11

All: -477.720+/-234.648 χ^2/NDF : 43.7/22

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 983.689+/-0.237 χ^2/NDF :466016.5/11

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

Left In: 978.671+/-0.232 χ^2/NDF :268112.0/10

Left: 981.131+/-0.166 χ^2/NDF : 734357.1/22

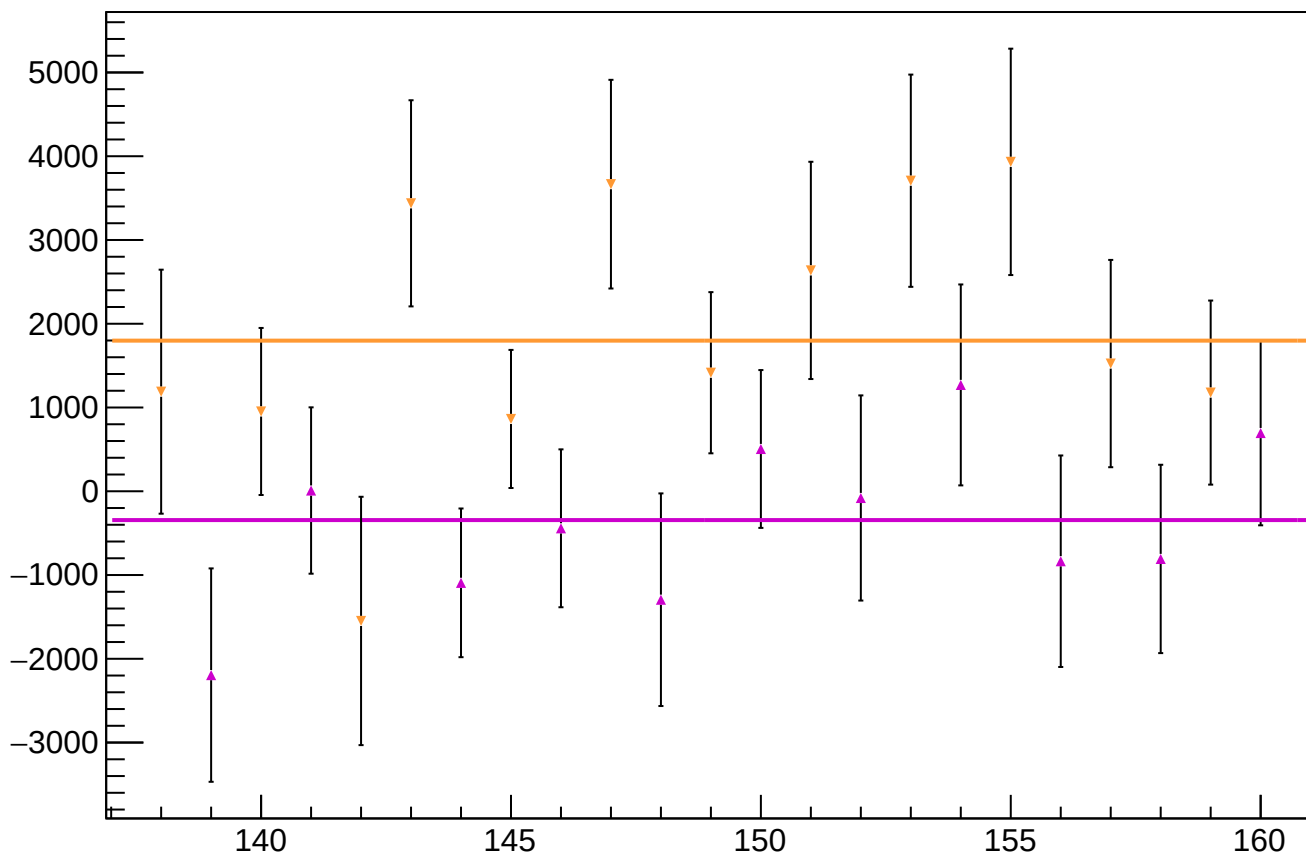
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 978.671+/-0.232 χ^2/NDF :268112.0/10

Out: 983.689+/-0.237 χ^2/NDF :466016.5/11

All: 981.131+/-0.166 χ^2/NDF : 734357.1/22

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 1798.355+/-332.684 χ^2/NDF :17.0/11

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

Left In: -344.005+/-326.575 χ^2/NDF :7.4/10

Left: 707.324+/-233.053 χ^2/NDF : 45.5/22

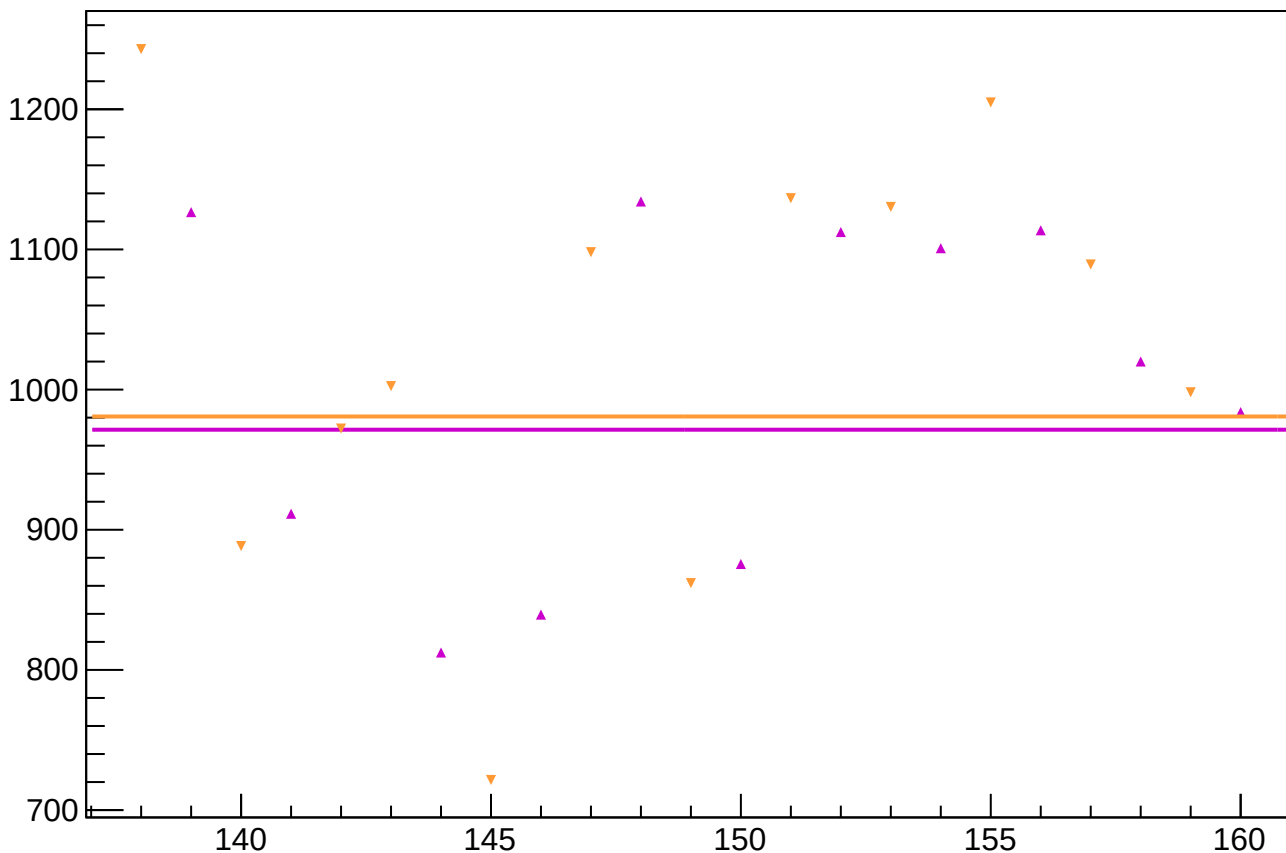
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -344.005+/-326.575 χ^2/NDF :7.4/10

Out: 1798.355+/-332.684 χ^2/NDF :17.0/11

All: 707.324+/-233.053 χ^2/NDF : 45.5/22

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 980.814+/-0.235 χ^2/NDF :456360.5/11

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

Left In: 971.379+/-0.231 χ^2/NDF :273153.8/10

Left: 976.009+/-0.165 χ^2/NDF : 730333.4/22

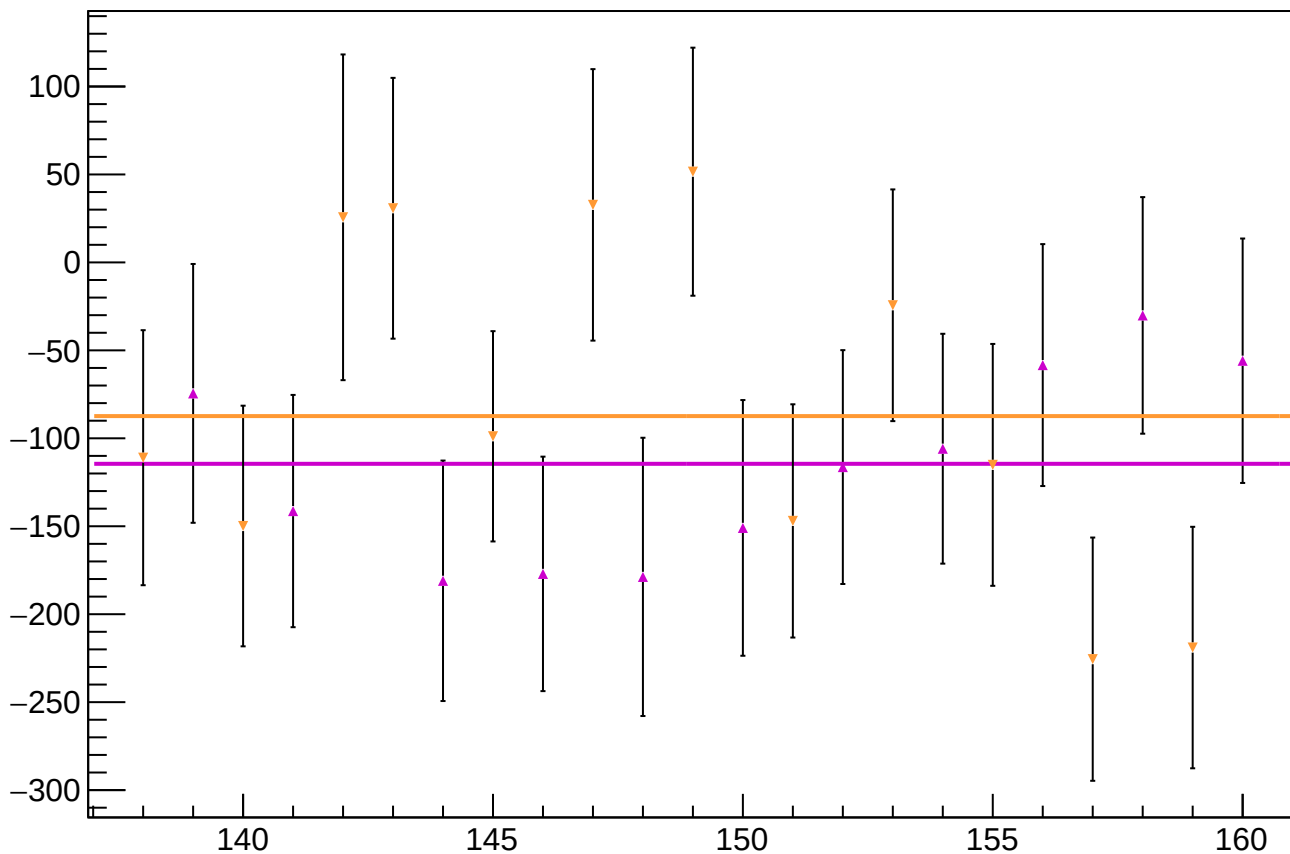
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 971.379+/-0.231 χ^2/NDF :273153.8/10

Out: 980.814+/-0.235 χ^2/NDF :456360.5/11

All: 976.009+/-0.165 χ^2/NDF : 730333.4/22

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left Out: -87.375 $\pm$ 20.234 χ^2 /NDF:20.9/11

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

Left In: -114.502 $\pm$ 20.839 χ^2 /NDF:6.2/10

Left: -100.539 $\pm$ 14.517 χ^2 /NDF: 27.9/22

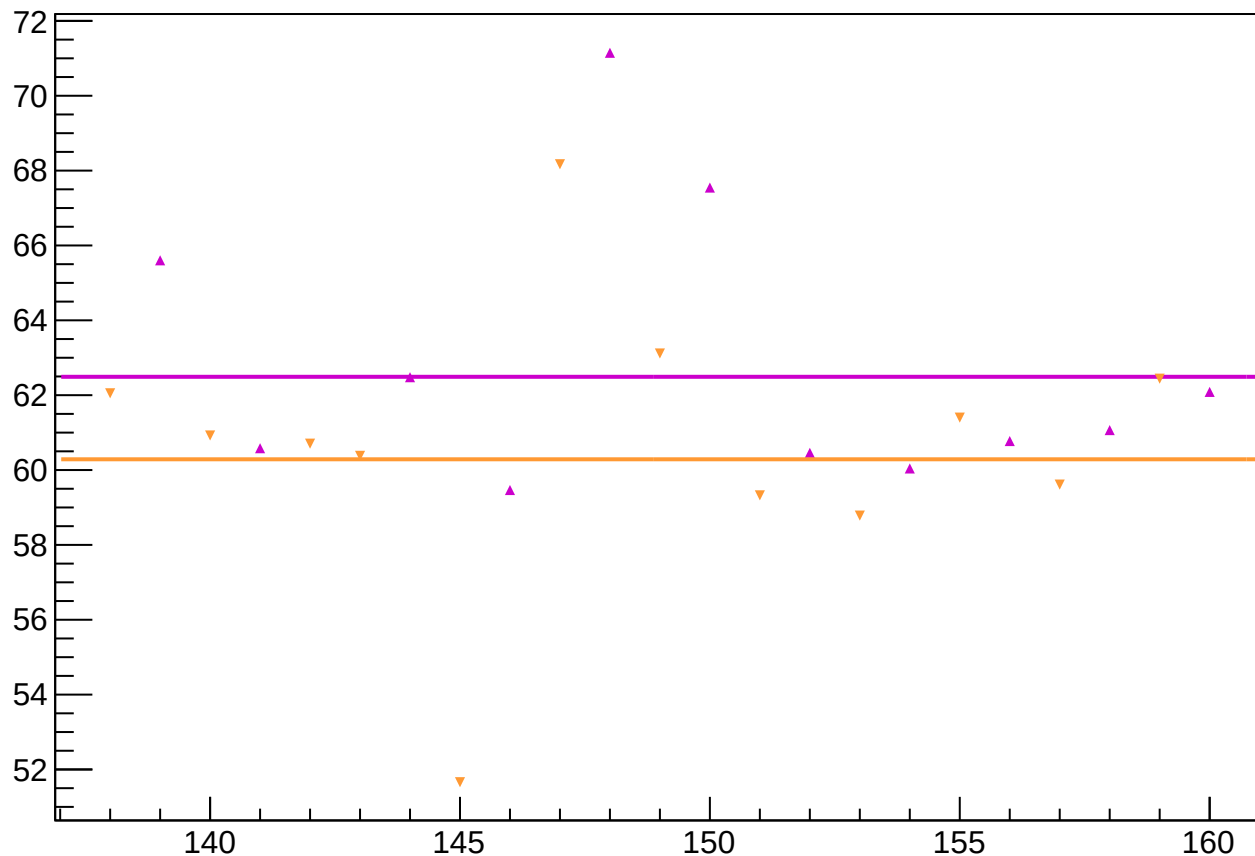
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -114.502 $\pm$ 20.839 χ^2 /NDF:6.2/10

Out: -87.375 $\pm$ 20.234 χ^2 /NDF:20.9/11

All: -100.539 $\pm$ 14.517 χ^2 /NDF: 27.9/22

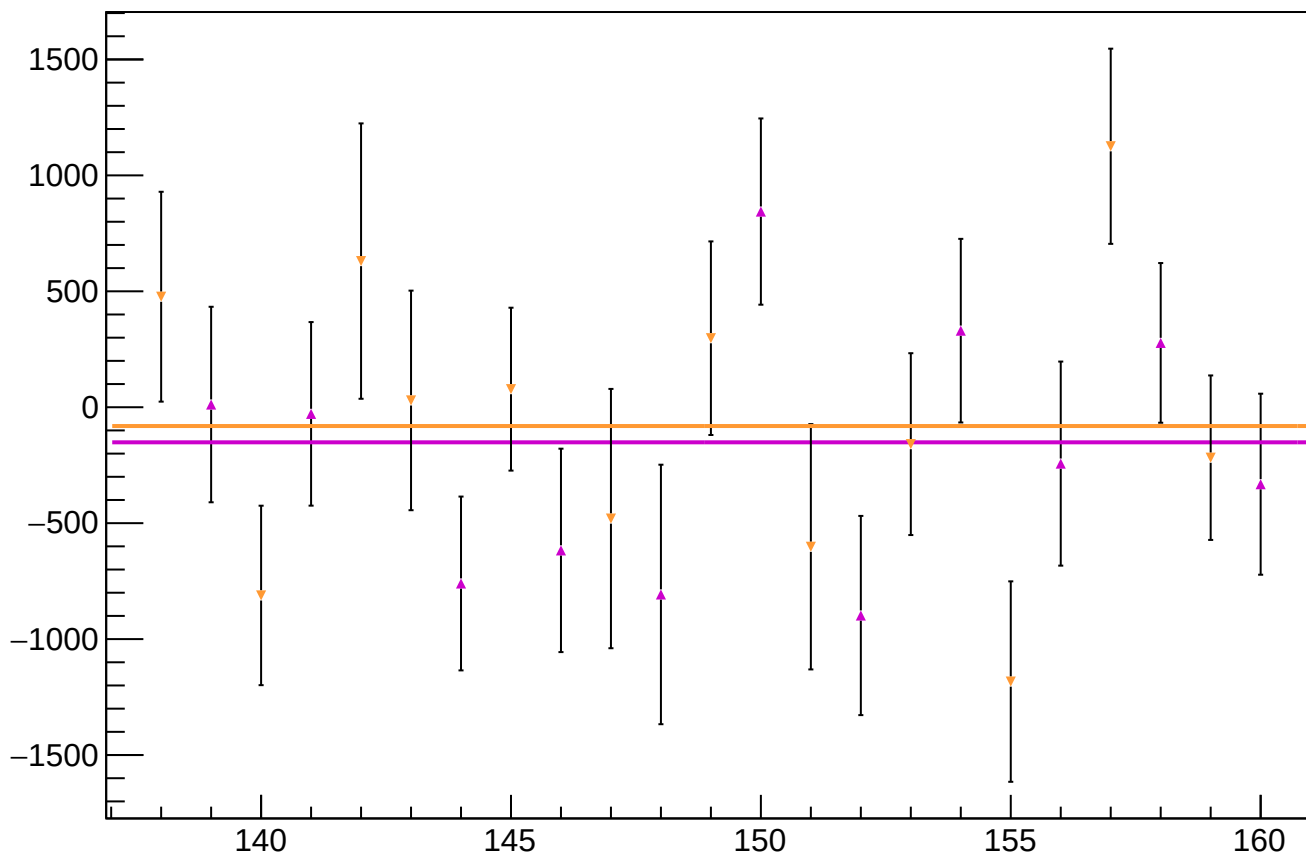
dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 60.287+/-0.014 χ^2/NDF : 71295.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 62.491+/-0.015 χ^2/NDF : 49893.9/10

Left: 61.357+/-0.010 χ^2/NDF : 132706.9/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 62.491+/-0.015 χ^2/NDF : 49893.9/10
 Out: 60.287+/-0.014 χ^2/NDF : 71295.8/11
 All: 61.357+/-0.010 χ^2/NDF : 132706.9/22

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -81.062+/-124.115 χ^2/NDF :24.0/11

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

Left In: -151.311+/-123.400 χ^2/NDF :17.8/10

Left: -116.389+/-87.509 χ^2/NDF : 42.0/22

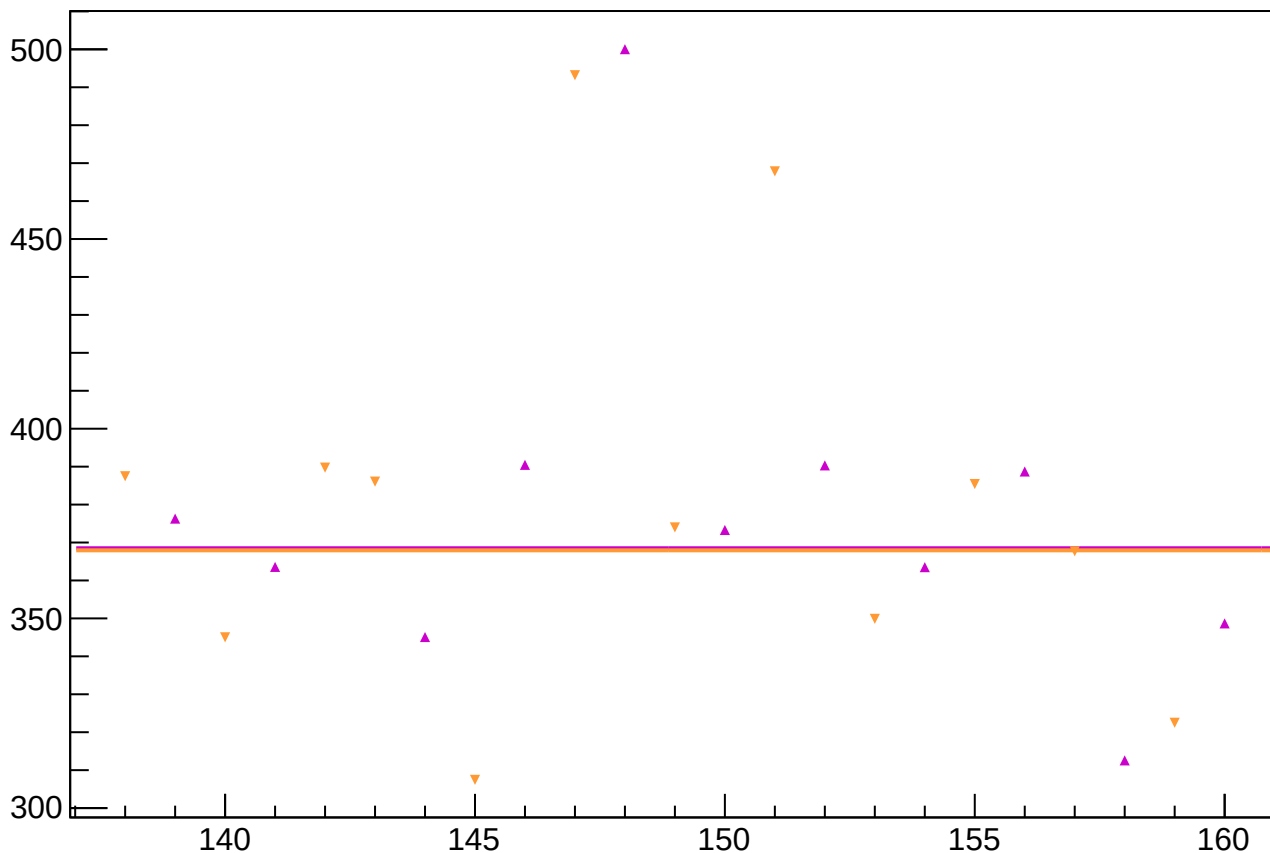
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -151.311+/-123.400 χ^2/NDF :17.8/10

Out: -81.062+/-124.115 χ^2/NDF :24.0/11

All: -116.389+/-87.509 χ^2/NDF : 42.0/22

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 367.941+/-0.088 χ^2/NDF :288077.5/11

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

Left In: 368.489+/-0.087 χ^2/NDF :192223.2/10

Left: 368.217+/-0.062 χ^2/NDF : 480320.4/22

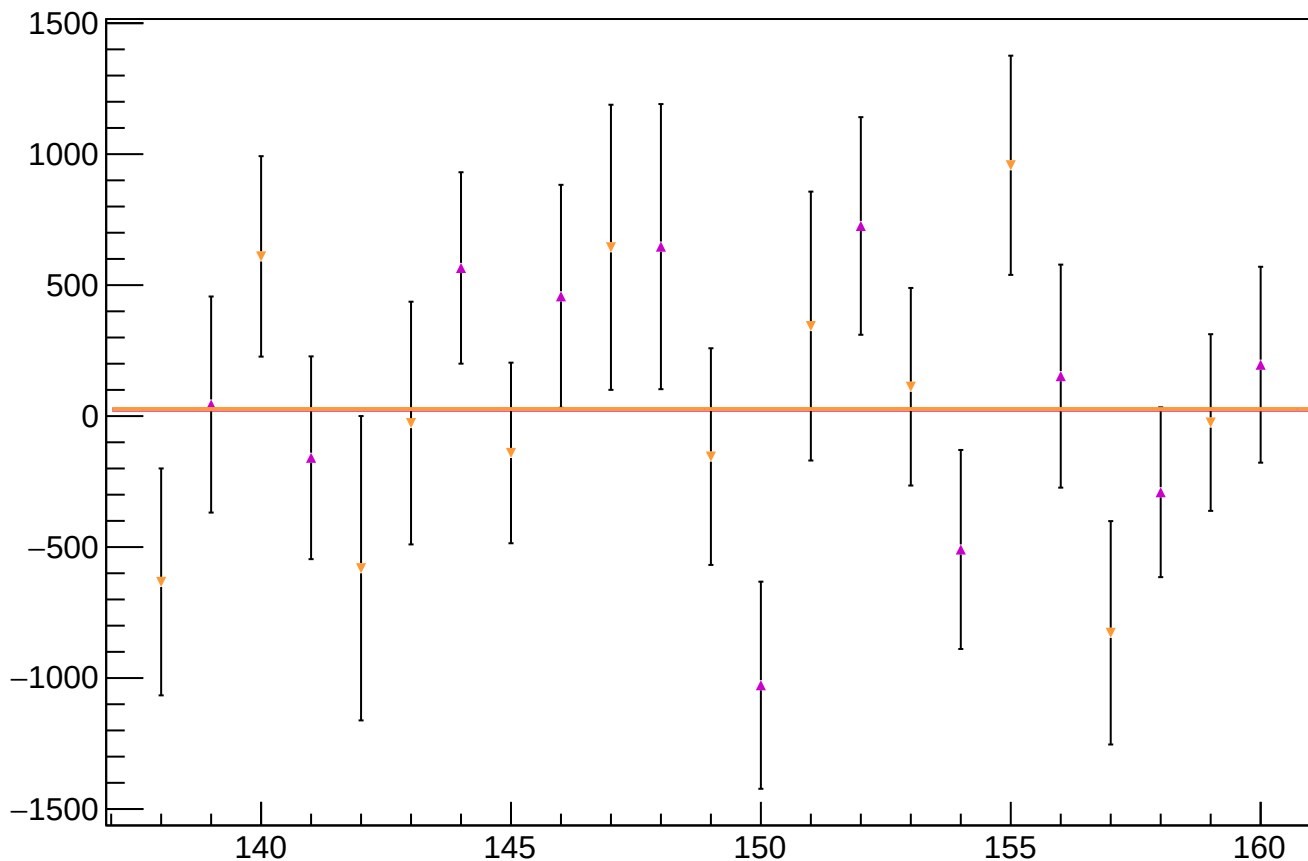
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 368.489+/-0.087 χ^2/NDF :192223.2/10

Out: 367.941+/-0.088 χ^2/NDF :288077.5/11

All: 368.217+/-0.062 χ^2/NDF : 480320.4/22

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left Out: 26.783 $\pm$ 121.044 χ^2 /NDF:16.9/11

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

Left In: 24.570 $\pm$ 119.306 χ^2 /NDF:17.9/10

Left: 25.661 $\pm$ 84.970 χ^2 /NDF: 34.8/22

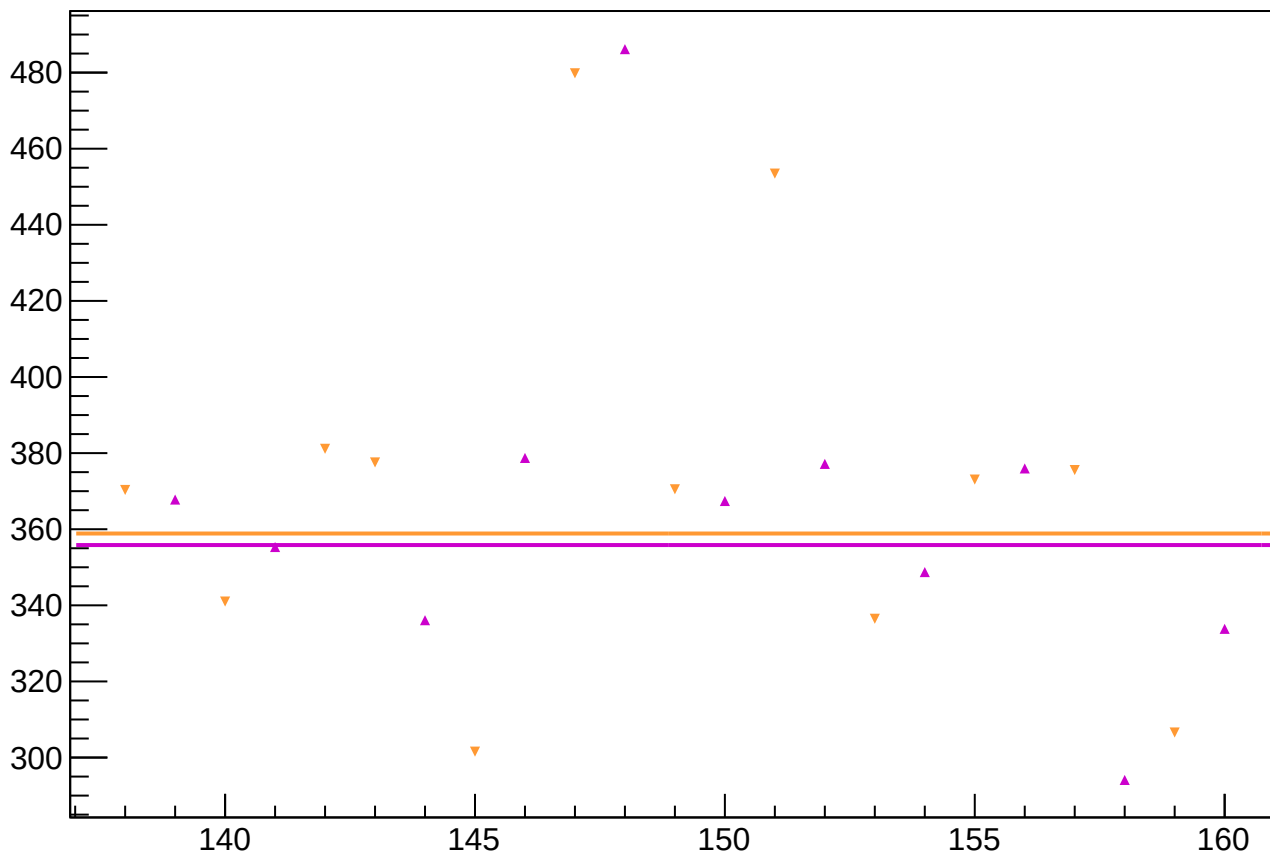
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 24.570 $\pm$ 119.306 χ^2 /NDF:17.9/10

Out: 26.783 $\pm$ 121.044 χ^2 /NDF:16.9/11

All: 25.661 $\pm$ 84.970 χ^2 /NDF: 34.8/22

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 358.873+/-0.086 χ^2/NDF :296018.9/11

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

Left In: 355.841+/-0.084 χ^2/NDF :219651.0/10

Left: 357.335+/-0.060 χ^2/NDF : 516306.4/22

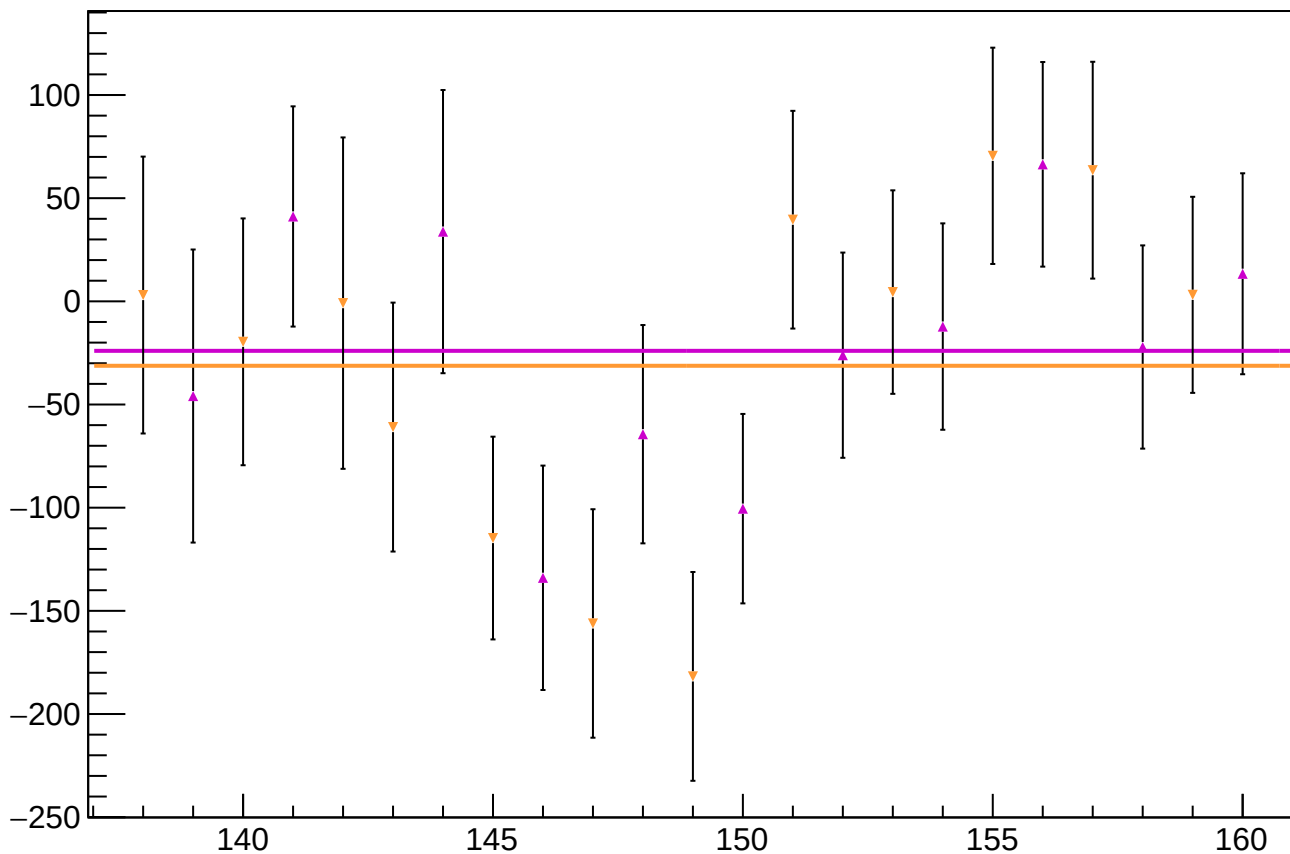
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 355.841+/-0.084 χ^2/NDF :219651.0/10

Out: 358.873+/-0.086 χ^2/NDF :296018.9/11

All: 357.335+/-0.060 χ^2/NDF : 516306.4/22

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -31.229 ± 15.807 $\chi^2/\text{NDF}: 27.4/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -23.986 ± 15.858 $\chi^2/\text{NDF}: 13.7/10$

Left: -27.619 ± 11.195 $\chi^2/\text{NDF}: 41.2/22$

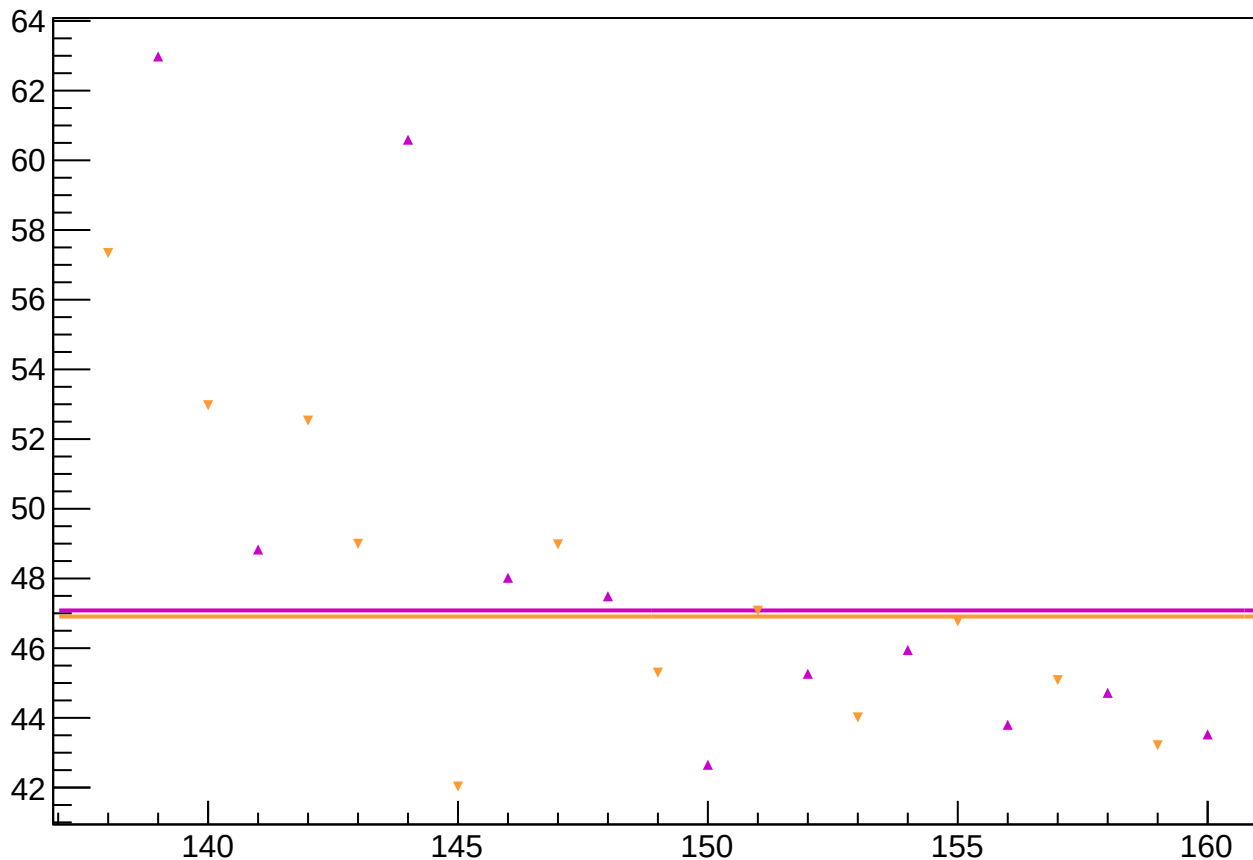
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -23.986 ± 15.858 $\chi^2/\text{NDF}: 13.7/10$

Out: -31.229 ± 15.807 $\chi^2/\text{NDF}: 27.4/11$

All: -27.619 ± 11.195 $\chi^2/\text{NDF}: 41.2/22$

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



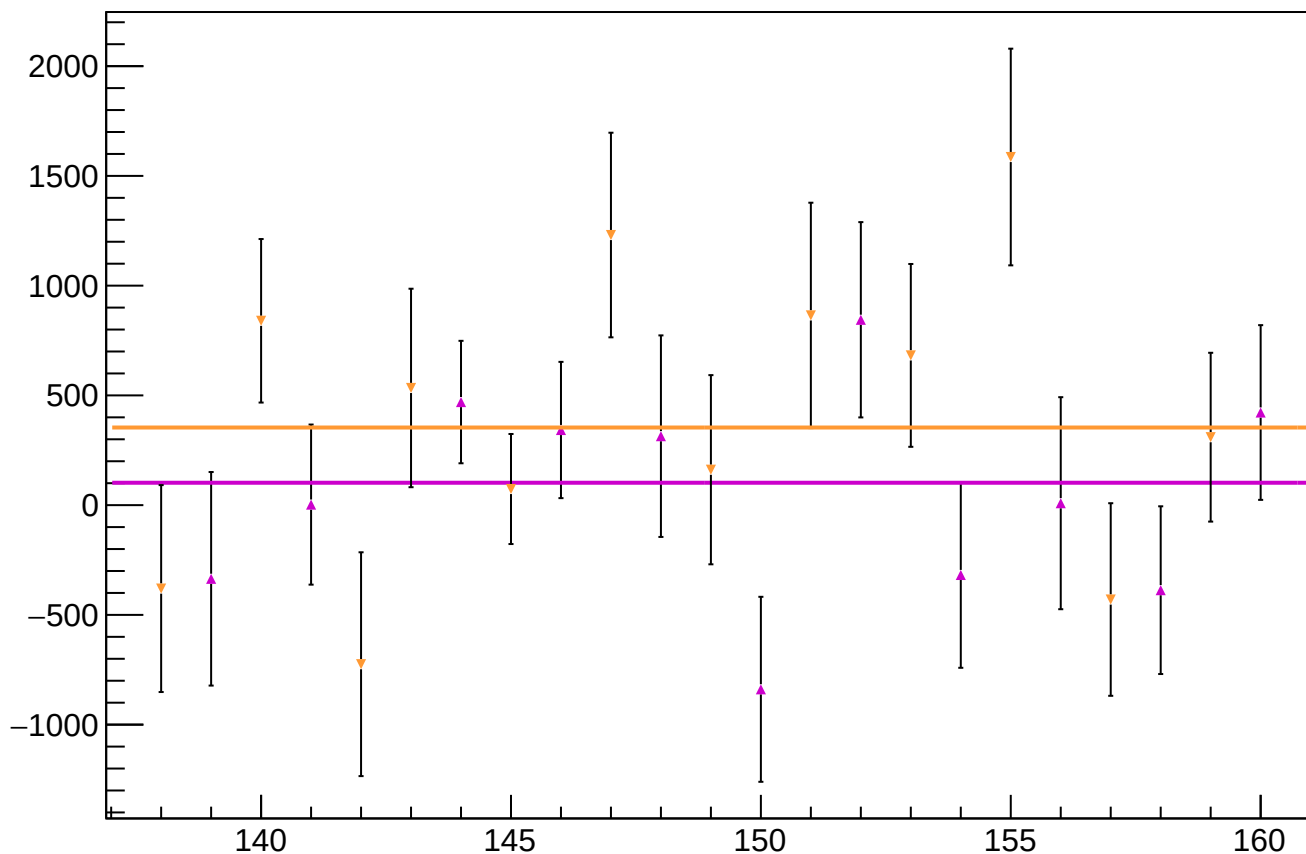
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 46.908+/-0.011 χ^2/NDF :127074.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 47.083+/-0.011 χ^2/NDF :226960.4/10

Left: 46.995+/-0.008 χ^2/NDF : 354155.4/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.083+/-0.011 χ^2/NDF :226960.4/10
 Out: 46.908+/-0.011 χ^2/NDF :127074.0/11

All: 46.995+/-0.008 χ^2/NDF : 354155.4/22

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 353.662+/-117.878 χ^2/NDF :24.8/11

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

Left In: 102.031+/-116.685 χ^2/NDF :14.5/10

Left: 226.567+/-82.927 χ^2/NDF : 41.6/22

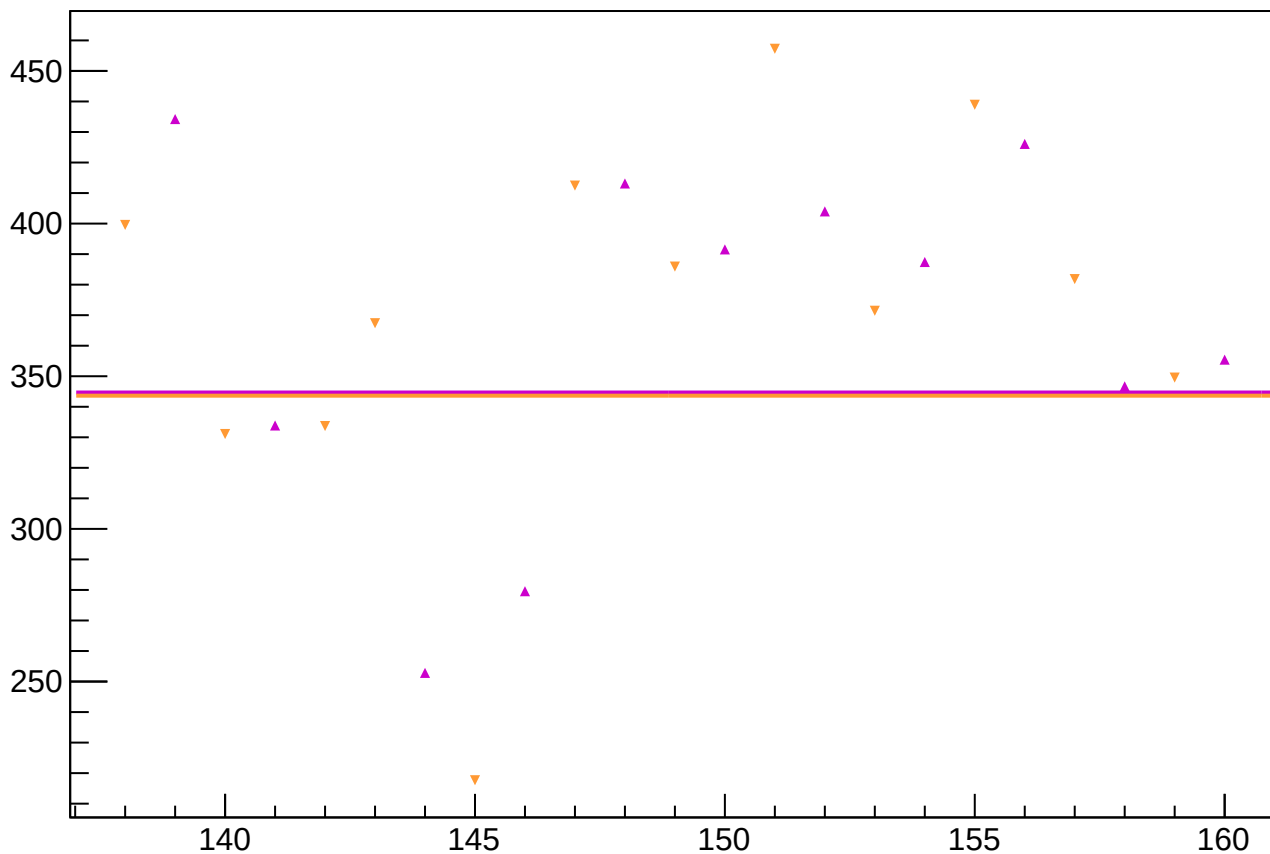
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 102.031+/-116.685 χ^2/NDF :14.5/10

Out: 353.662+/-117.878 χ^2/NDF :24.8/11

All: 226.567+/-82.927 χ^2/NDF : 41.6/22

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 343.635+/-0.083 χ^2/NDF :801556.6/11

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

Left In: 344.671+/-0.083 χ^2/NDF :557889.8/10

Left: 344.158+/-0.059 χ^2/NDF : 1359524.4/22

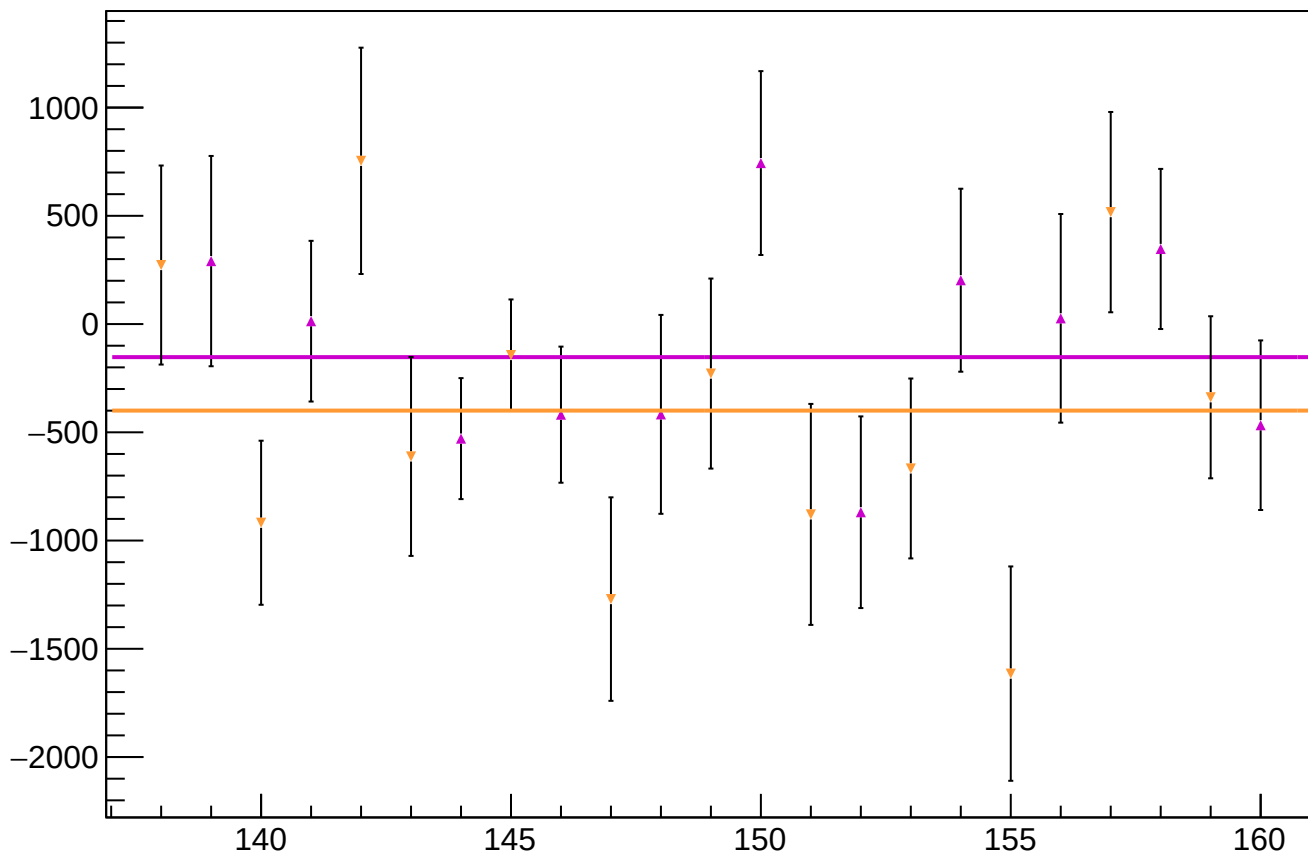
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.671+/-0.083 χ^2/NDF :557889.8/10

Out: 343.635+/-0.083 χ^2/NDF :801556.6/11

All: 344.158+/-0.059 χ^2/NDF : 1359524.4/22

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -399.660+/-119.106 χ^2/NDF :24.9/11

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

Left In: -152.713+/-116.600 χ^2/NDF :14.3/10

Left: -273.561+/-83.321 χ^2/NDF : 41.4/22

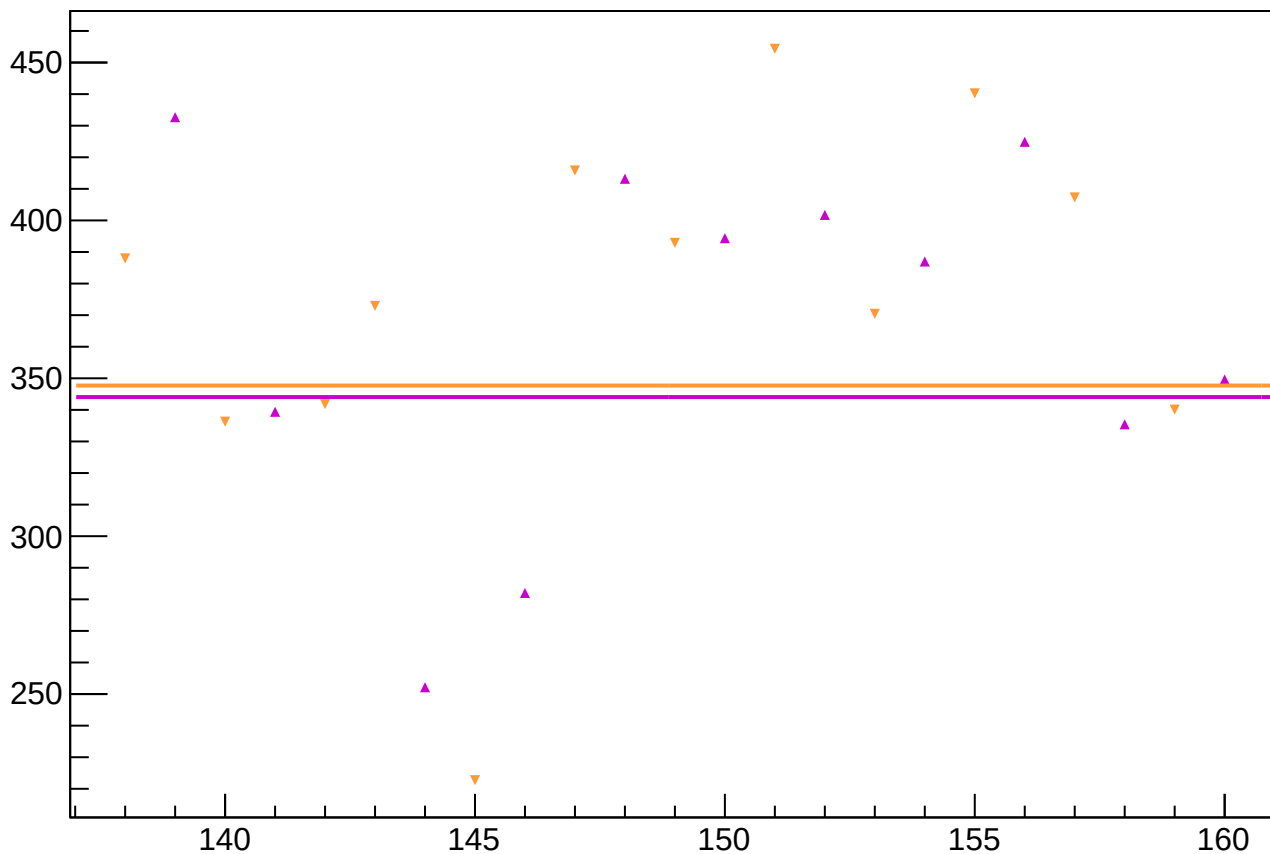
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -152.713+/-116.600 χ^2/NDF :14.3/10

Out: -399.660+/-119.106 χ^2/NDF :24.9/11

All: -273.561+/-83.321 χ^2/NDF : 41.4/22

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 347.701+/-0.084 χ^2/NDF : 757320.7/11

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

Left In: 344.059+/-0.082 χ^2/NDF : 546994.0/10

Left: 345.842+/-0.059 χ^2/NDF : 1305269.5/22

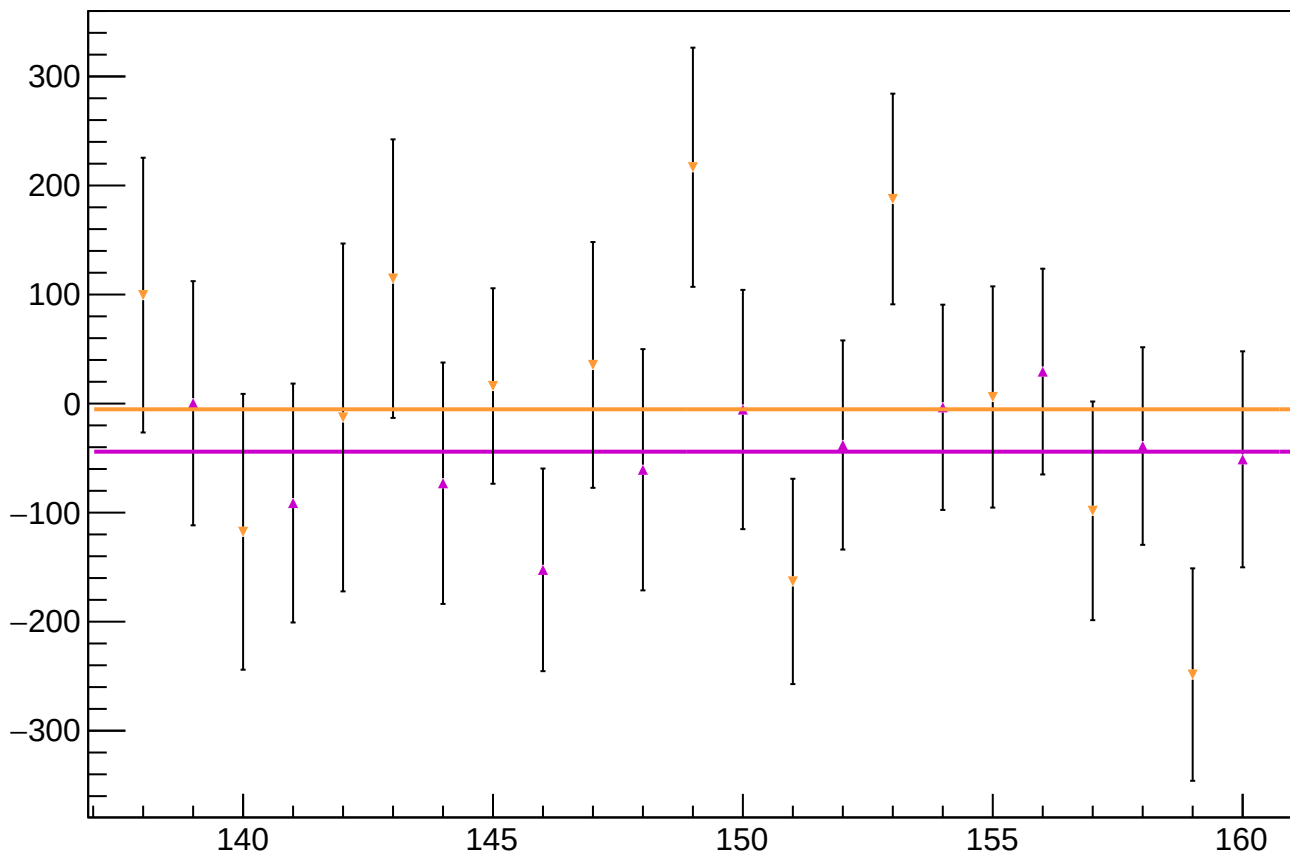
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.059+/-0.082 χ^2/NDF : 546994.0/10

Out: 347.701+/-0.084 χ^2/NDF : 757320.7/11

All: 345.842+/-0.059 χ^2/NDF : 1305269.5/22

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -5.240 ± 31.092 $\chi^2/\text{NDF}: 20.6/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -44.112 ± 30.385 $\chi^2/\text{NDF}: 2.7/10$

Left: -25.123 ± 21.731 $\chi^2/\text{NDF}: 24.1/22$

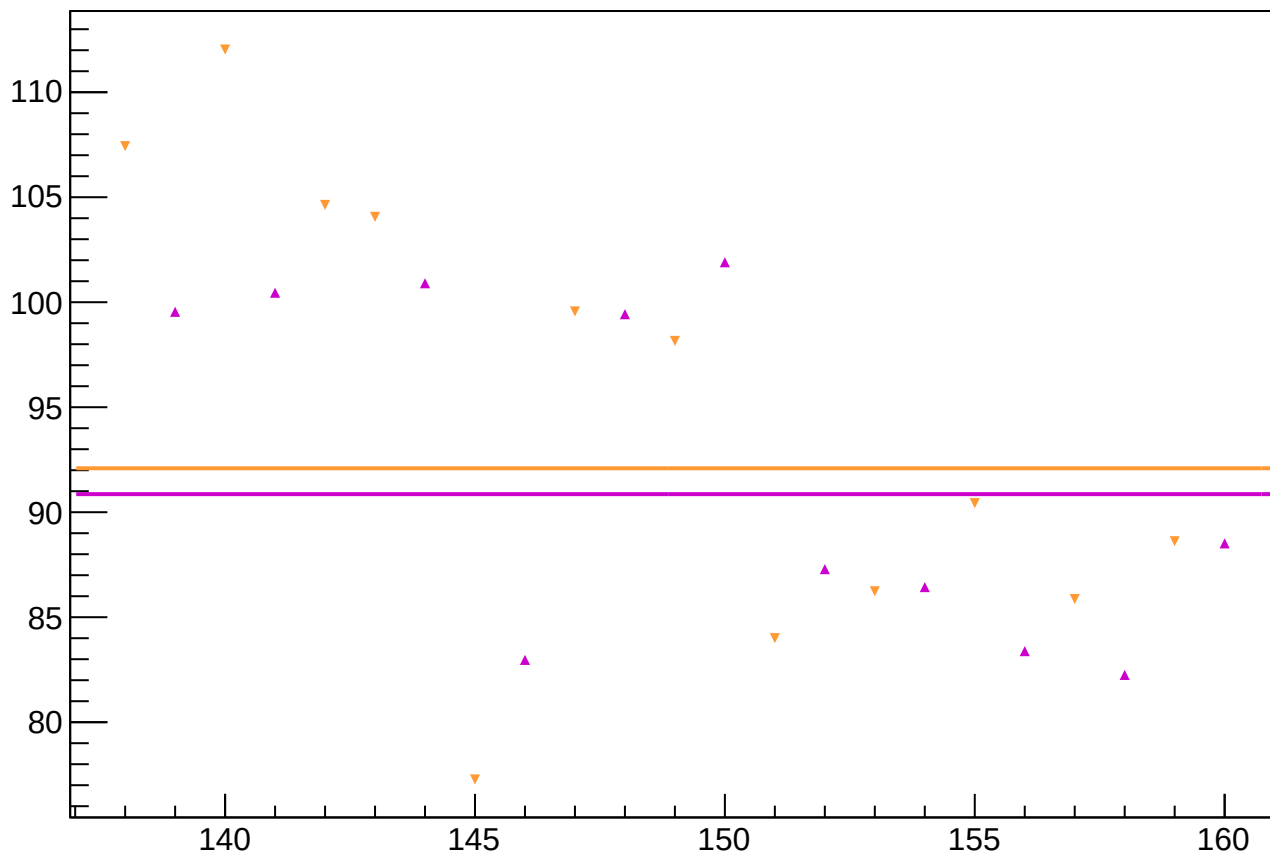
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -44.112 ± 30.385 $\chi^2/\text{NDF}: 2.7/10$

Out: -5.240 ± 31.092 $\chi^2/\text{NDF}: 20.6/11$

All: -25.123 ± 21.731 $\chi^2/\text{NDF}: 24.1/22$

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 92.092+/-0.022 χ^2/NDF :211781.8/11

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

Left In: 90.861+/-0.021 χ^2/NDF :129453.5/10

Left: 91.462+/-0.015 χ^2/NDF : 342840.6/22

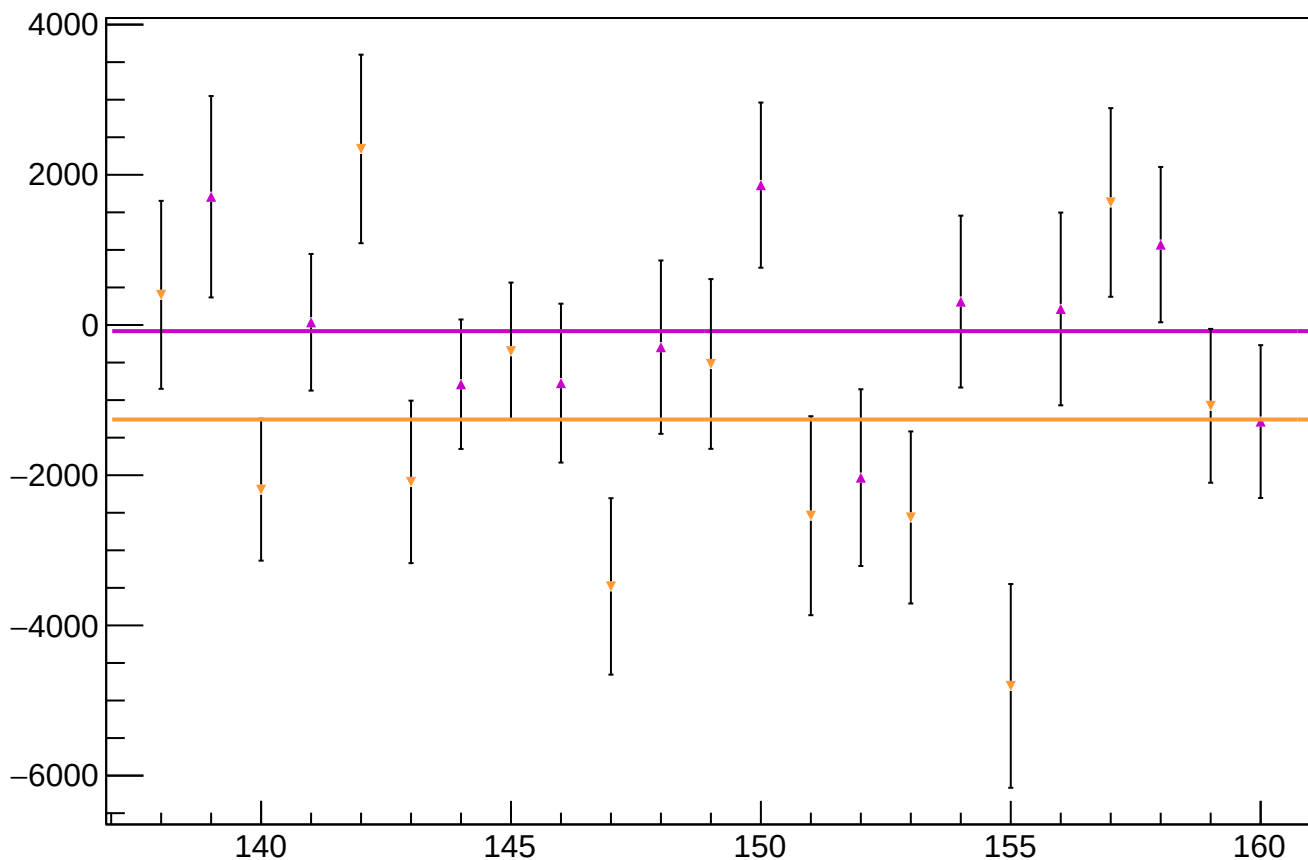
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 90.861+/-0.021 χ^2/NDF :129453.5/10

Out: 92.092+/-0.022 χ^2/NDF :211781.8/11

All: 91.462+/-0.015 χ^2/NDF : 342840.6/22

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1258.364+/-325.931 χ^2/NDF :31.0/11

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

Left In: -81.519+/-323.145 χ^2/NDF :11.6/10

Left: -664.891+/-229.476 χ^2/NDF : 49.1/22

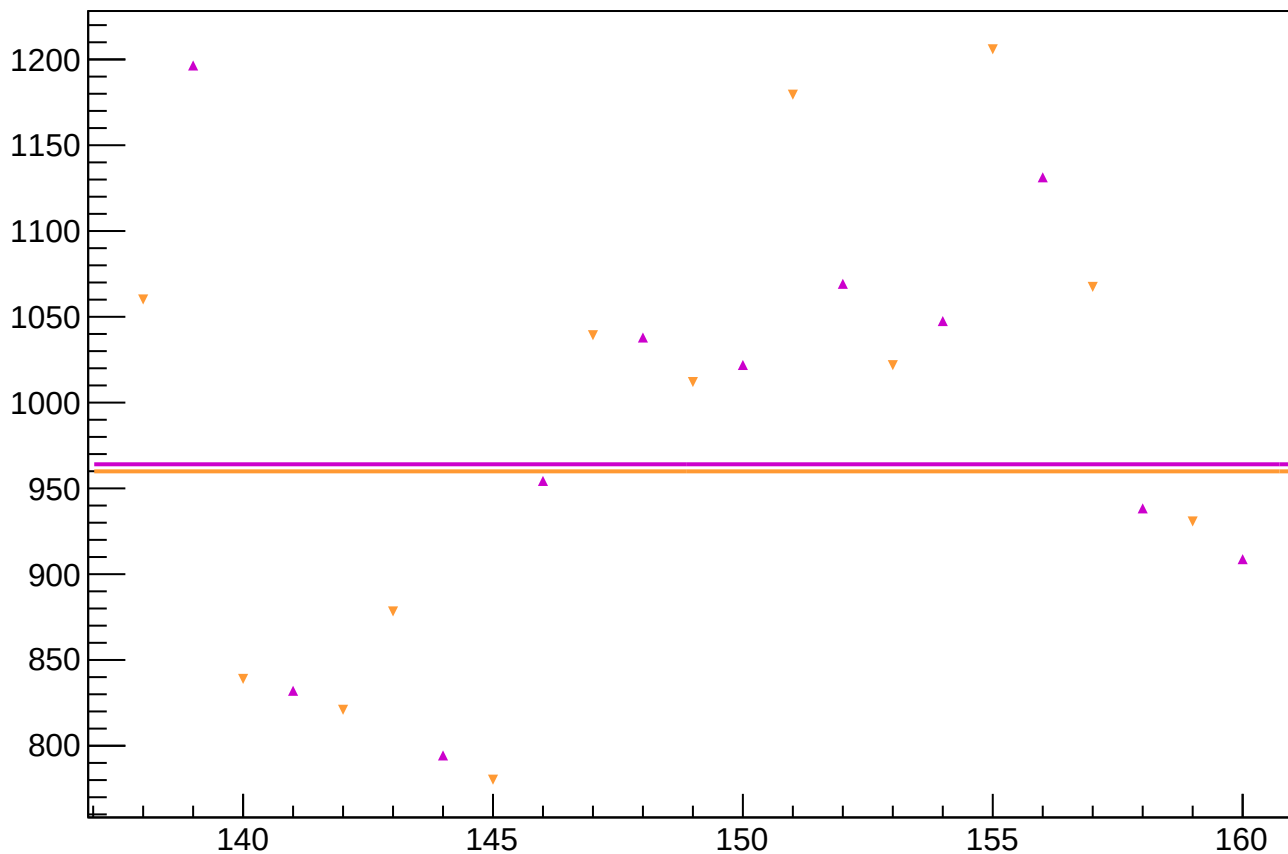
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -81.519+/-323.145 χ^2/NDF :11.6/10

Out: -1258.364+/-325.931 χ^2/NDF :31.0/11

All: -664.891+/-229.476 χ^2/NDF : 49.1/22

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 959.928+/-0.230 χ^2/NDF :314877.9/11

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

Left In: 964.044+/-0.228 χ^2/NDF :261403.6/10

Left: 962.004+/-0.162 χ^2/NDF : 576442.3/22

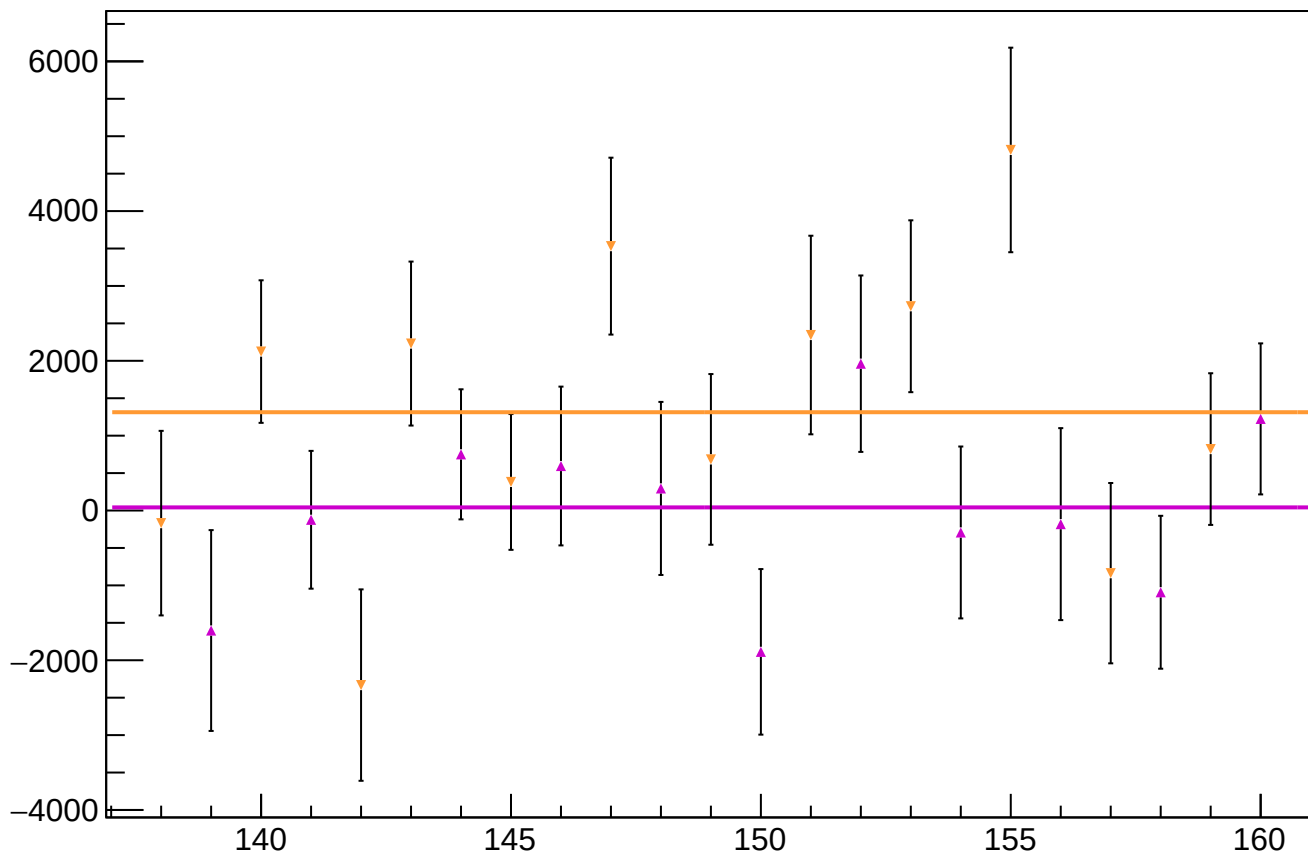
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 964.044+/-0.228 χ^2/NDF :261403.6/10

Out: 959.928+/-0.230 χ^2/NDF :314877.9/11

All: 962.004+/-0.162 χ^2/NDF : 576442.3/22

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: 1313.280+/-325.556 χ^2/NDF :28.0/11

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

Left In: 41.848+/-323.685 χ^2/NDF :10.9/10

Left: 673.899+/-229.539 χ^2/NDF : 46.6/22

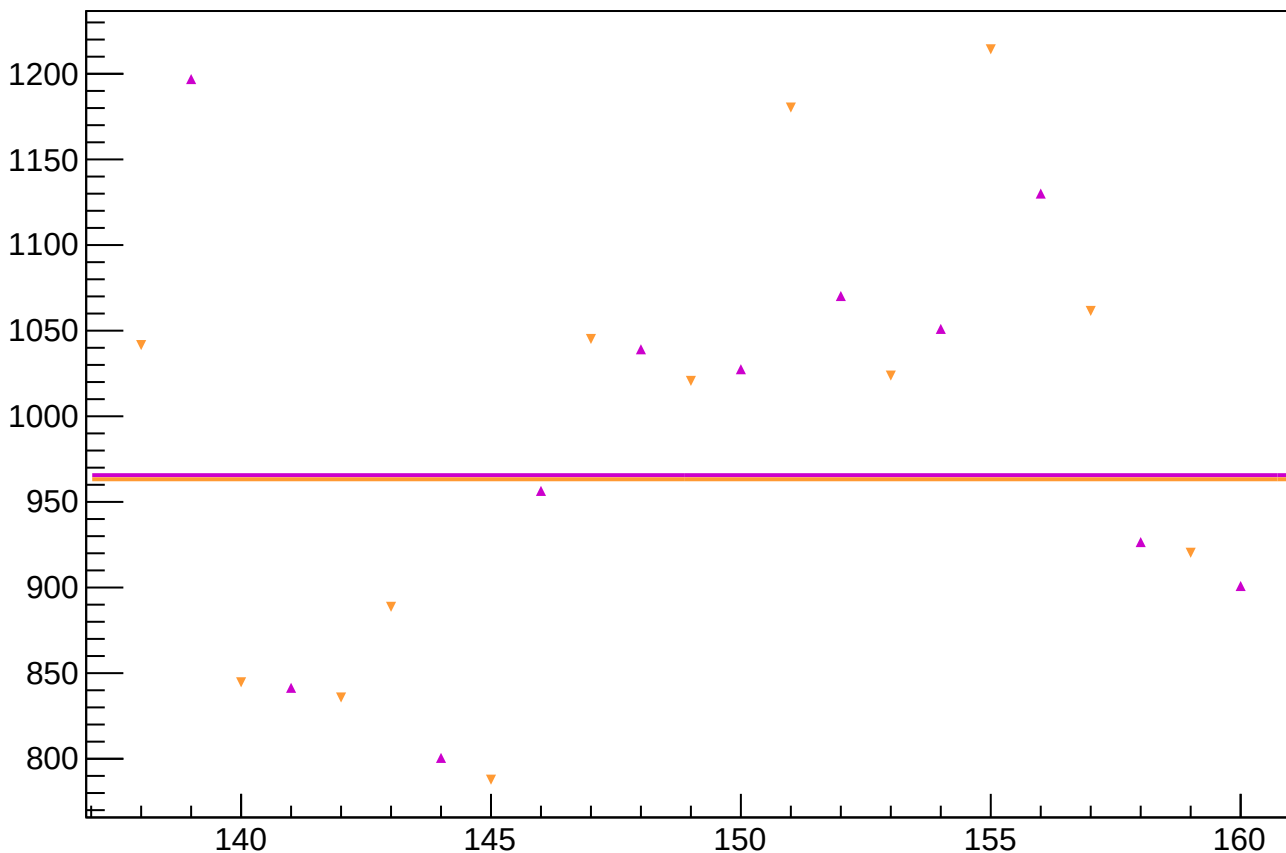
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 41.848+/-323.685 χ^2/NDF :10.9/10

Out: 1313.280+/-325.556 χ^2/NDF :28.0/11

All: 673.899+/-229.539 χ^2/NDF : 46.6/22

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 963.222+/-0.230 χ^2/NDF :301337.1/11

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

Left In: 965.607+/-0.229 χ^2/NDF :253476.5/10

Left: 964.422+/-0.162 χ^2/NDF : 554867.6/22

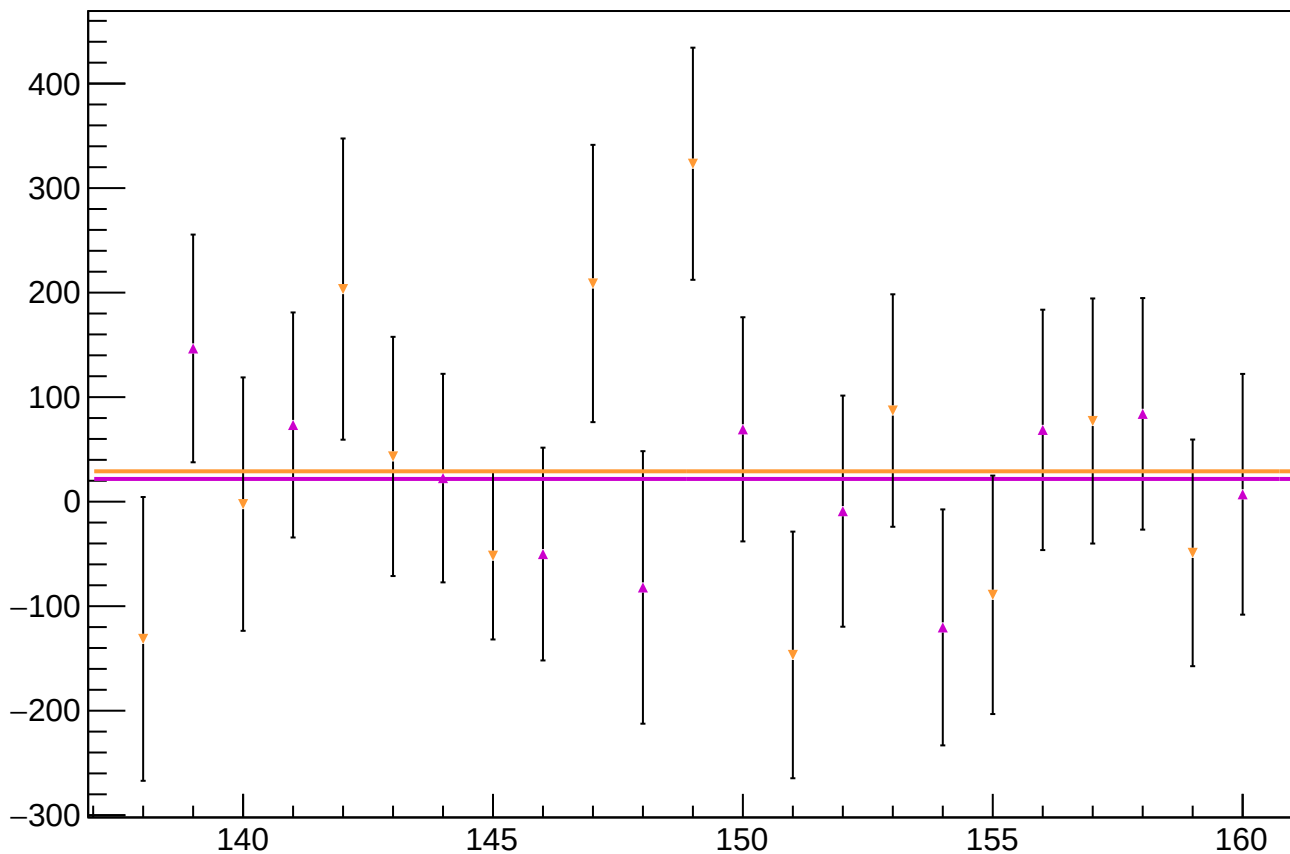
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 965.607+/-0.229 χ^2/NDF :253476.5/10

Out: 963.222+/-0.230 χ^2/NDF :301337.1/11

All: 964.422+/-0.162 χ^2/NDF : 554867.6/22

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 29.044 $\pm$ 32.829 χ^2 /NDF:17.1/11

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

Left In: 21.731 $\pm$ 33.220 χ^2 /NDF:5.0/10

Left: 25.431 $\pm$ 23.351 χ^2 /NDF: 22.1/22

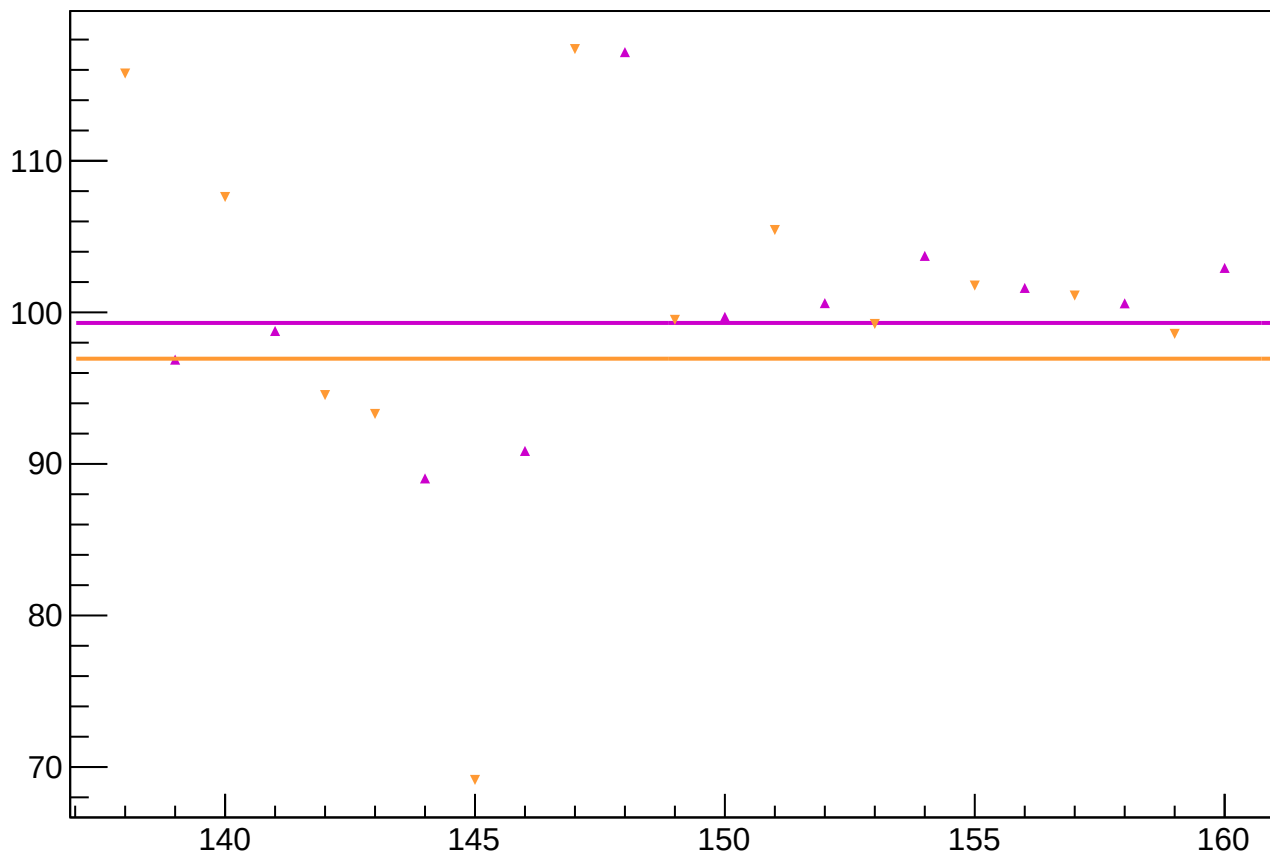
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 21.731 $\pm$ 33.220 χ^2 /NDF:5.0/10

Out: 29.044 $\pm$ 32.829 χ^2 /NDF:17.1/11

All: 25.431 $\pm$ 23.351 χ^2 /NDF: 22.1/22

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 96.944+/-0.023 χ^2/NDF :363403.1/11

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

Left In: 99.303+/-0.023 χ^2/NDF :79974.9/10

Left: 98.109+/-0.017 χ^2/NDF : 448478.7/22

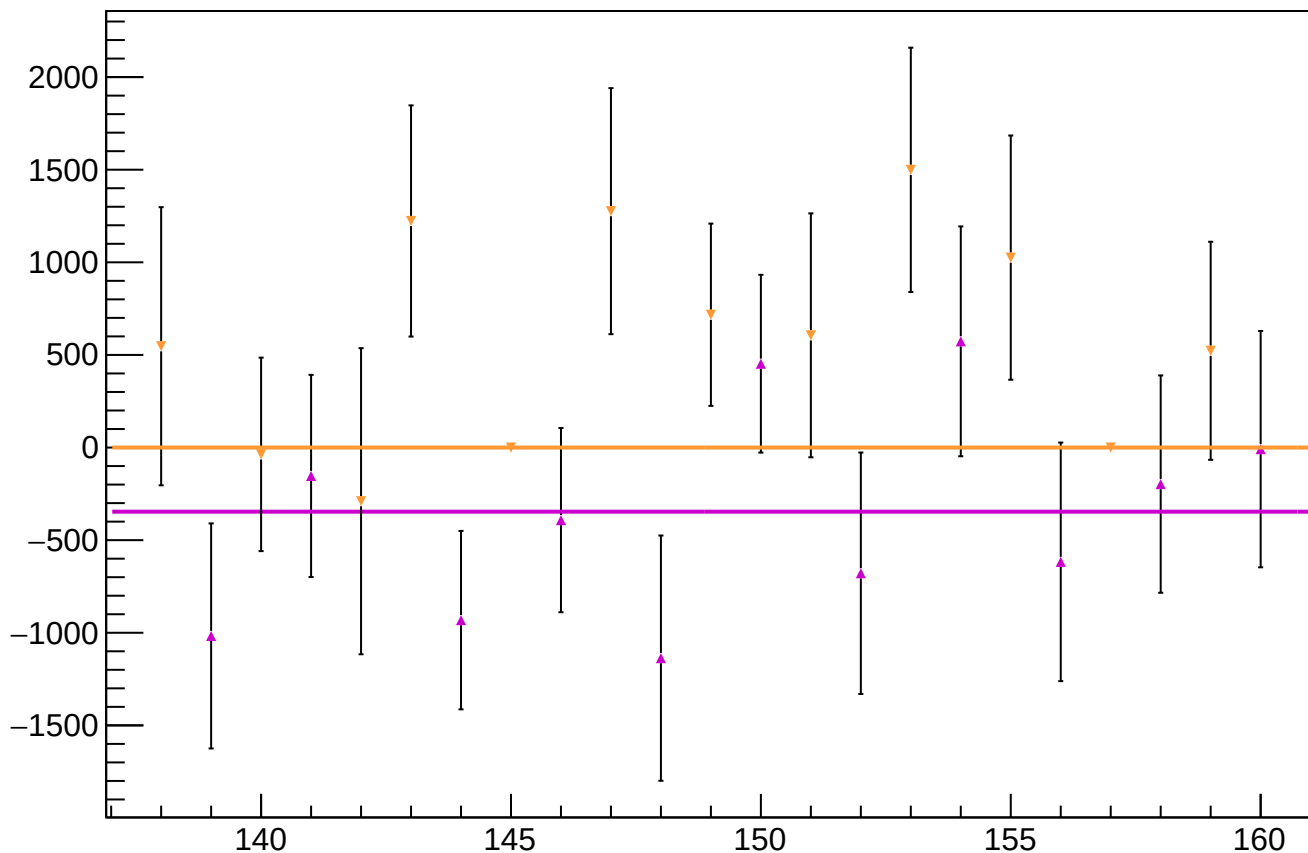
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 99.303+/-0.023 χ^2/NDF :79974.9/10

Out: 96.944+/-0.023 χ^2/NDF :363403.1/11

All: 98.109+/-0.017 χ^2/NDF : 448478.7/22

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF :19.8/11

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

Left In: -346.204+/-172.087 χ^2/NDF :10.0/10

Left: -0.000+/-0.000 χ^2/NDF : 33.9/22

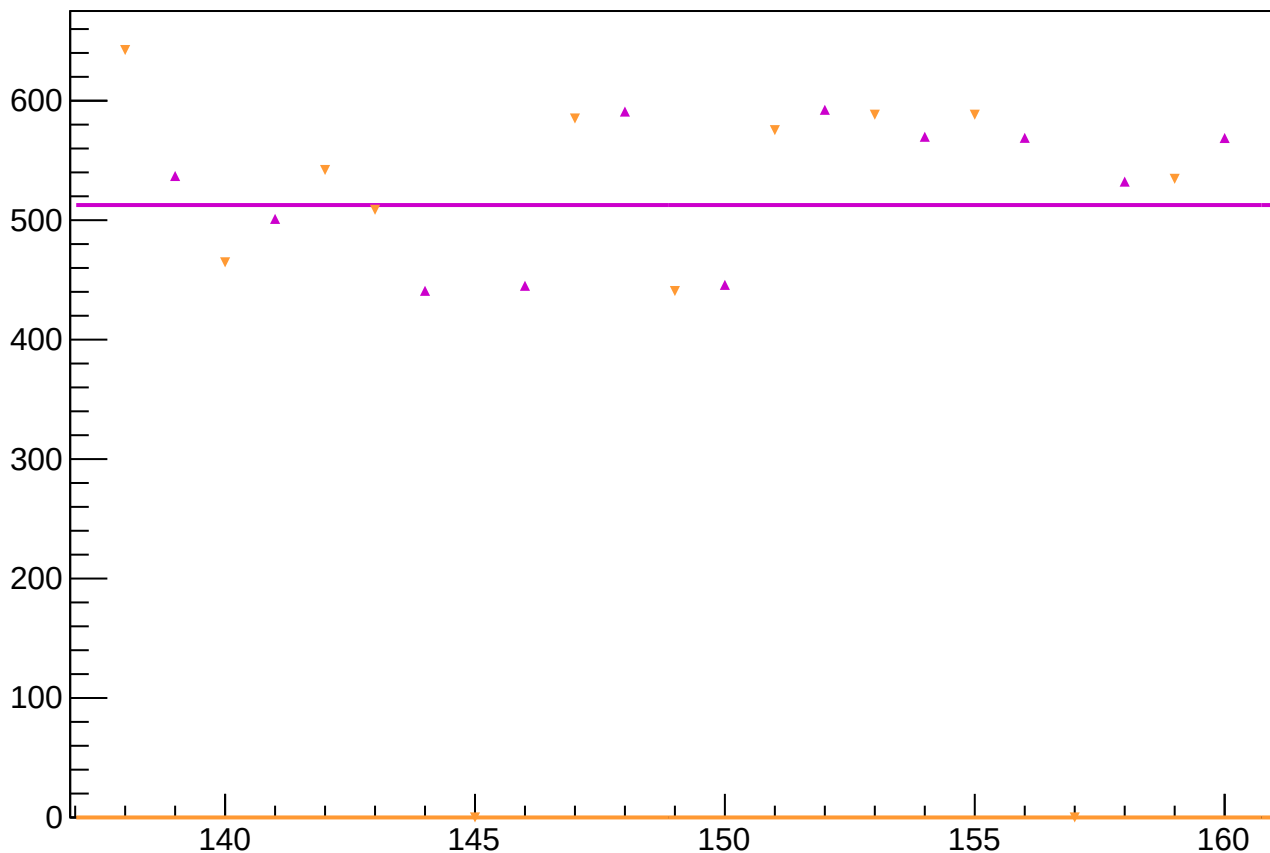
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -346.204+/-172.087 χ^2/NDF :10.0/10

Out: -0.000+/-0.000 χ^2/NDF :19.8/11

All: -0.000+/-0.000 χ^2/NDF : 33.9/22

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF :14752565.3/11

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

Left In: 512.669+/-0.122 χ^2/NDF :232102.1/10

Left: 0.000+/-0.000 χ^2/NDF : 32735165.5/22

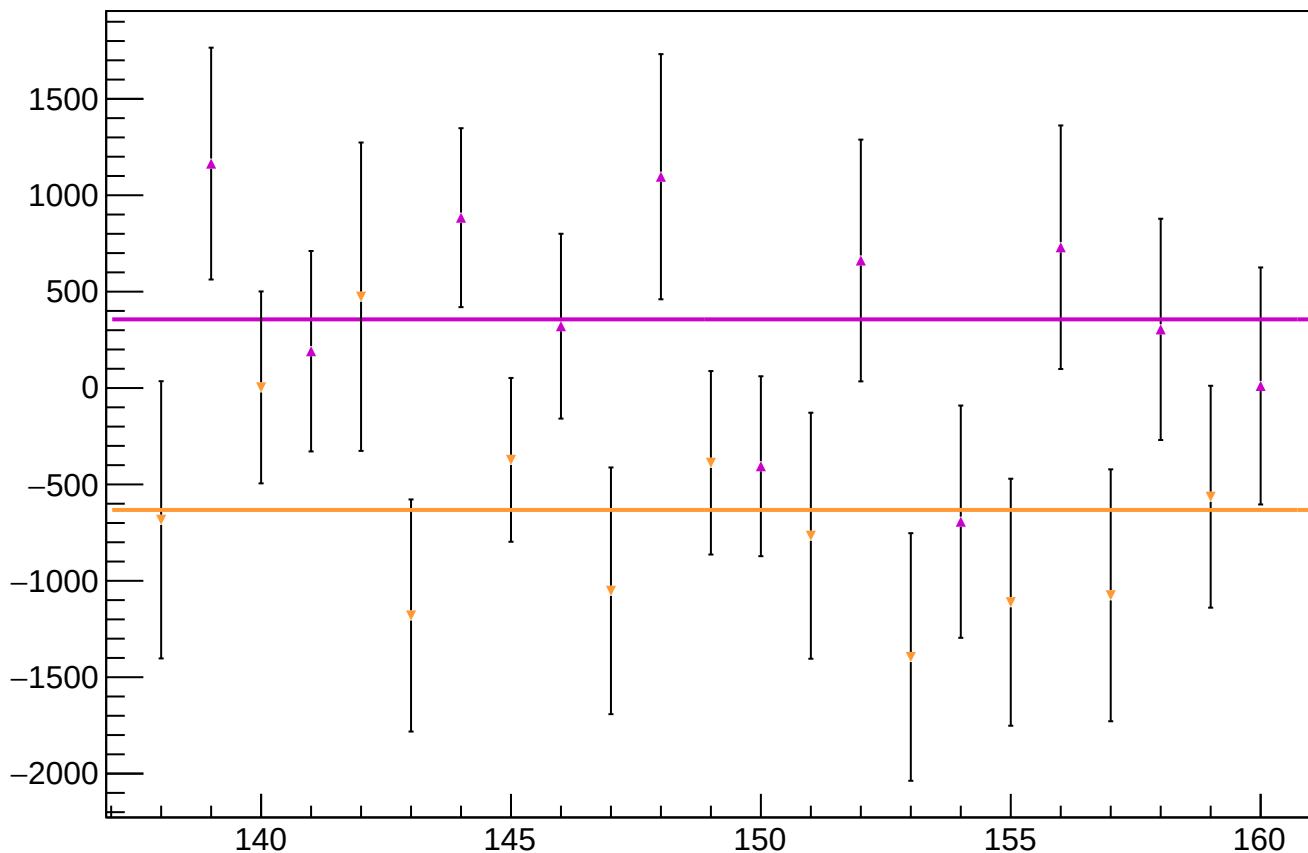
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 512.669+/-0.122 χ^2/NDF :232102.1/10

Out: 0.000+/-0.000 χ^2/NDF :14752565.3/11

All: 0.000+/-0.000 χ^2/NDF : 32735165.5/22

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -632.170+/-168.149 χ^2/NDF : 7.9/11

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

Left In: 356.220+/-166.639 χ^2/NDF : 11.2/10

Left: -133.516+/-118.362 χ^2/NDF : 36.5/22

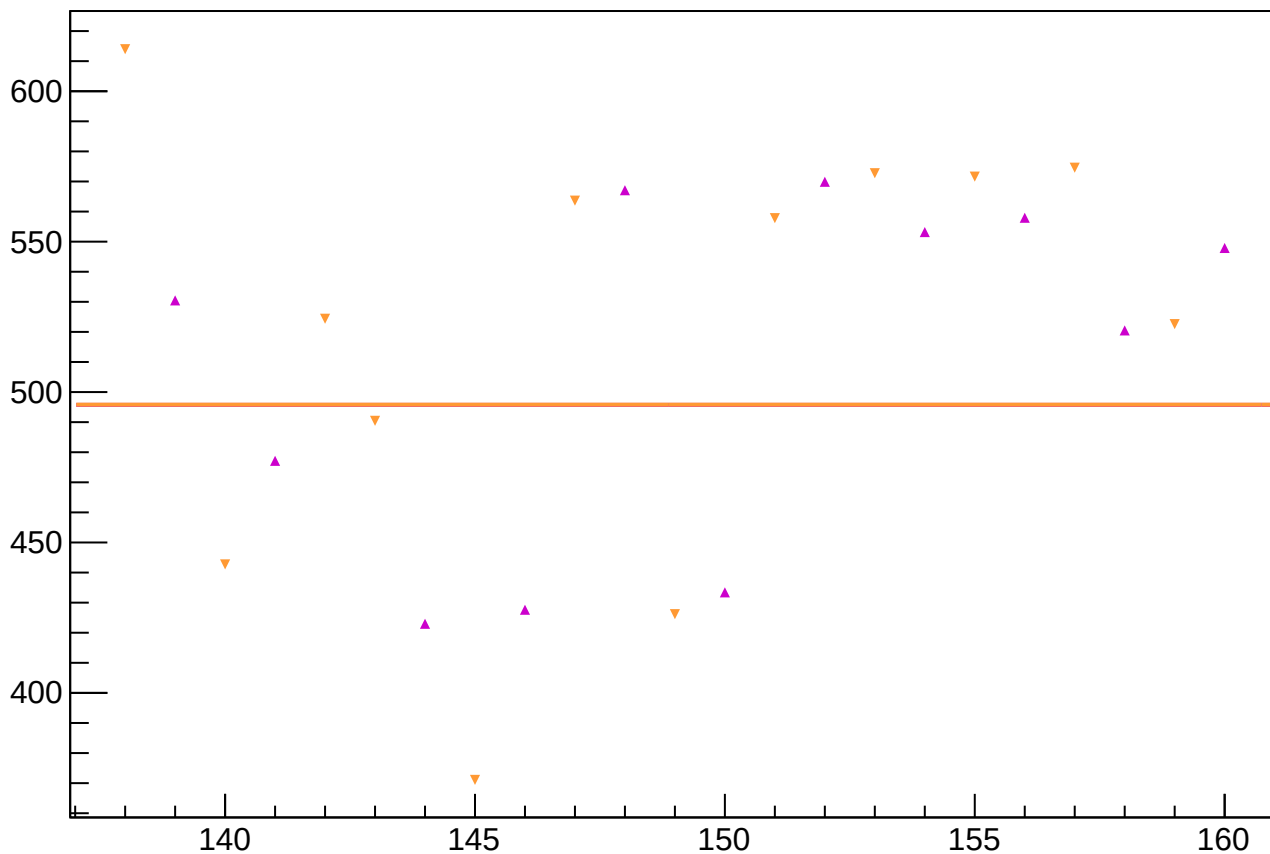
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 356.220+/-166.639 χ^2/NDF : 11.2/10

Out: -632.170+/-168.149 χ^2/NDF : 7.9/11

All: -133.516+/-118.362 χ^2/NDF : 36.5/22

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 495.812+/-0.119 χ^2/NDF : 426120.4/11

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

Left In: 495.733+/-0.118 χ^2/NDF : 243268.7/10

Left: 495.772+/-0.084 χ^2/NDF : 669389.4/22

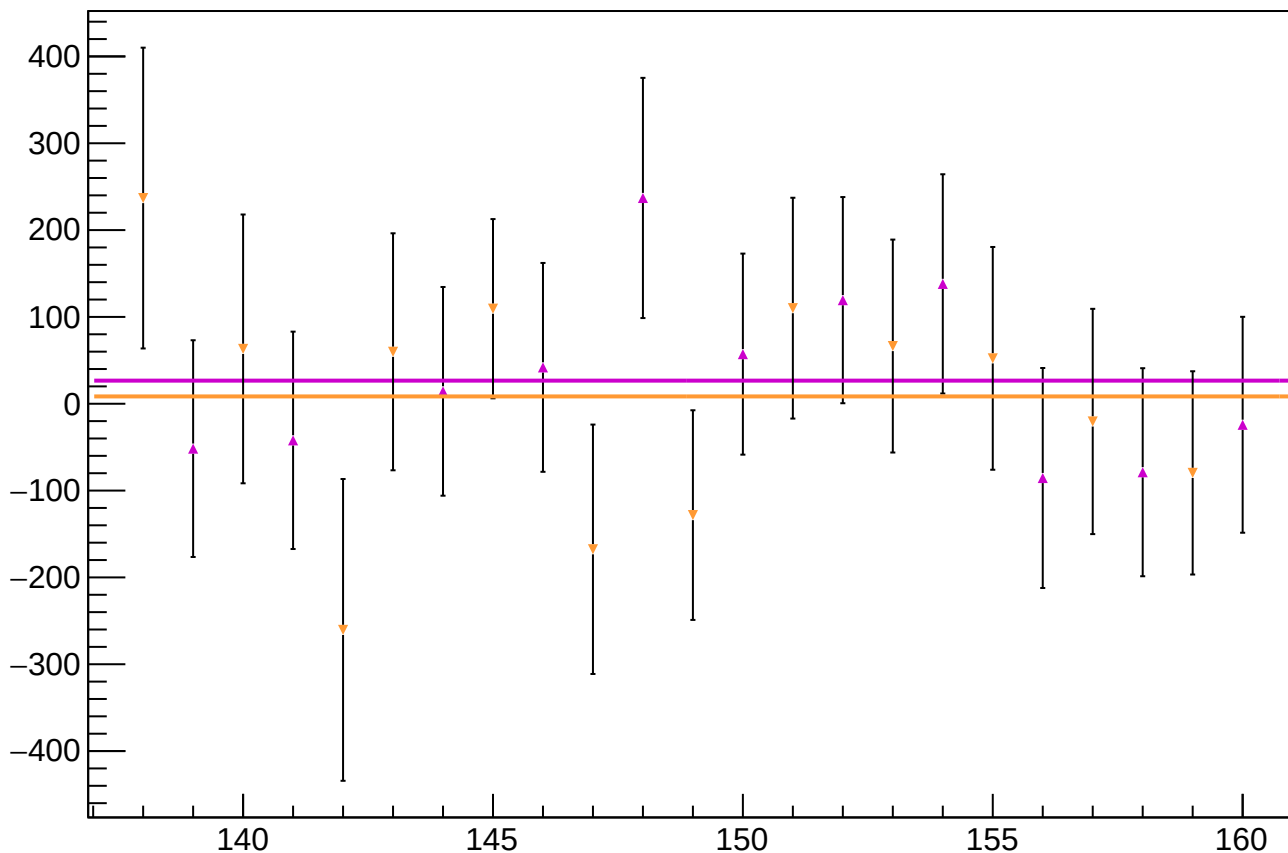
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 495.733+/-0.118 χ^2/NDF : 243268.7/10

Out: 495.812+/-0.119 χ^2/NDF : 426120.4/11

All: 495.772+/-0.084 χ^2/NDF : 669389.4/22

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 8.433 $\pm$ 37.948 χ^2 /NDF:9.7/11

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

Left In: 26.623 $\pm$ 37.174 χ^2 /NDF:6.2/10

Left: 17.715 $\pm$ 26.556 χ^2 /NDF: 16.1/22

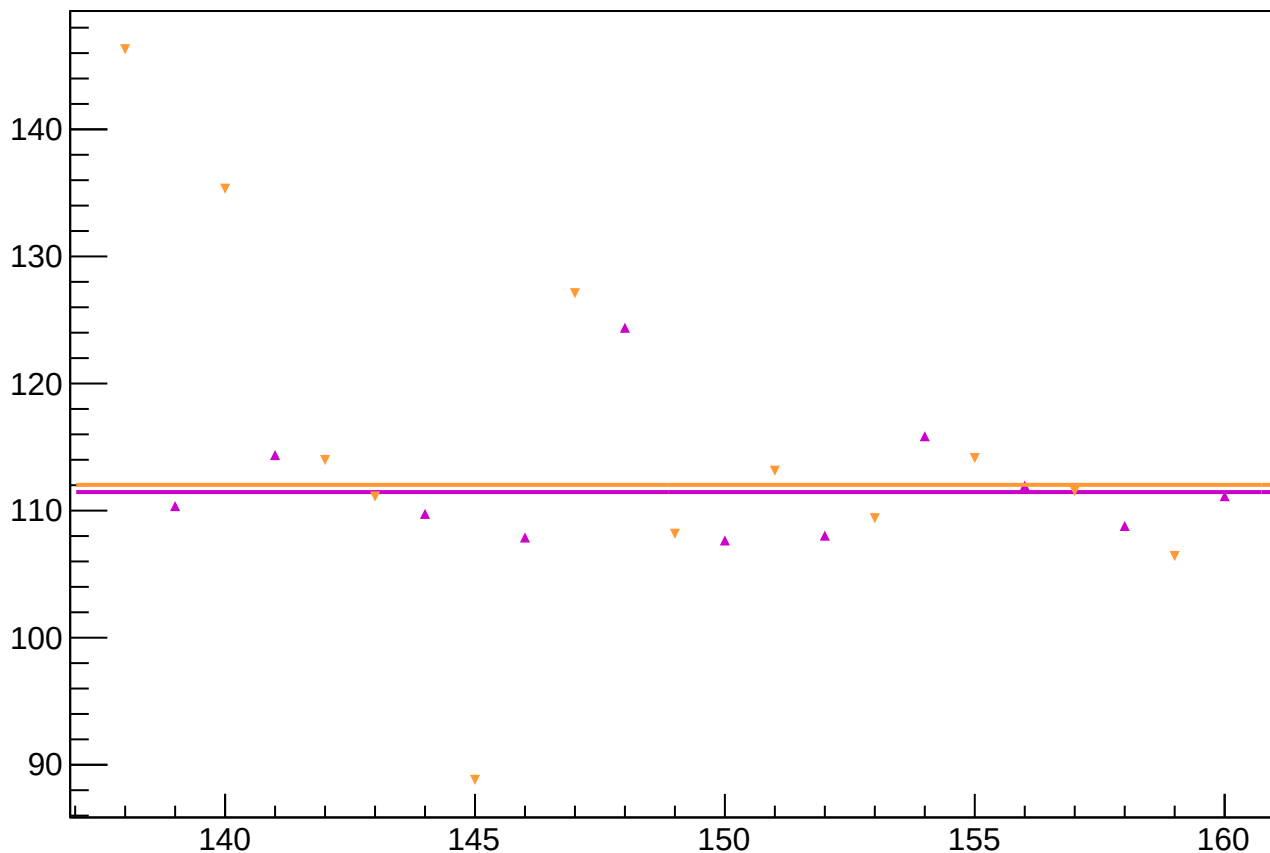
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 26.623 $\pm$ 37.174 χ^2 /NDF:6.2/10

Out: 8.433 $\pm$ 37.948 χ^2 /NDF:9.7/11

All: 17.715 $\pm$ 26.556 χ^2 /NDF: 16.1/22

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 112.030+/-0.027 χ^2/NDF :255481.1/11

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

Left In: 111.458+/-0.026 χ^2/NDF :28174.9/10

Left: 111.738+/-0.019 χ^2/NDF : 283887.6/22

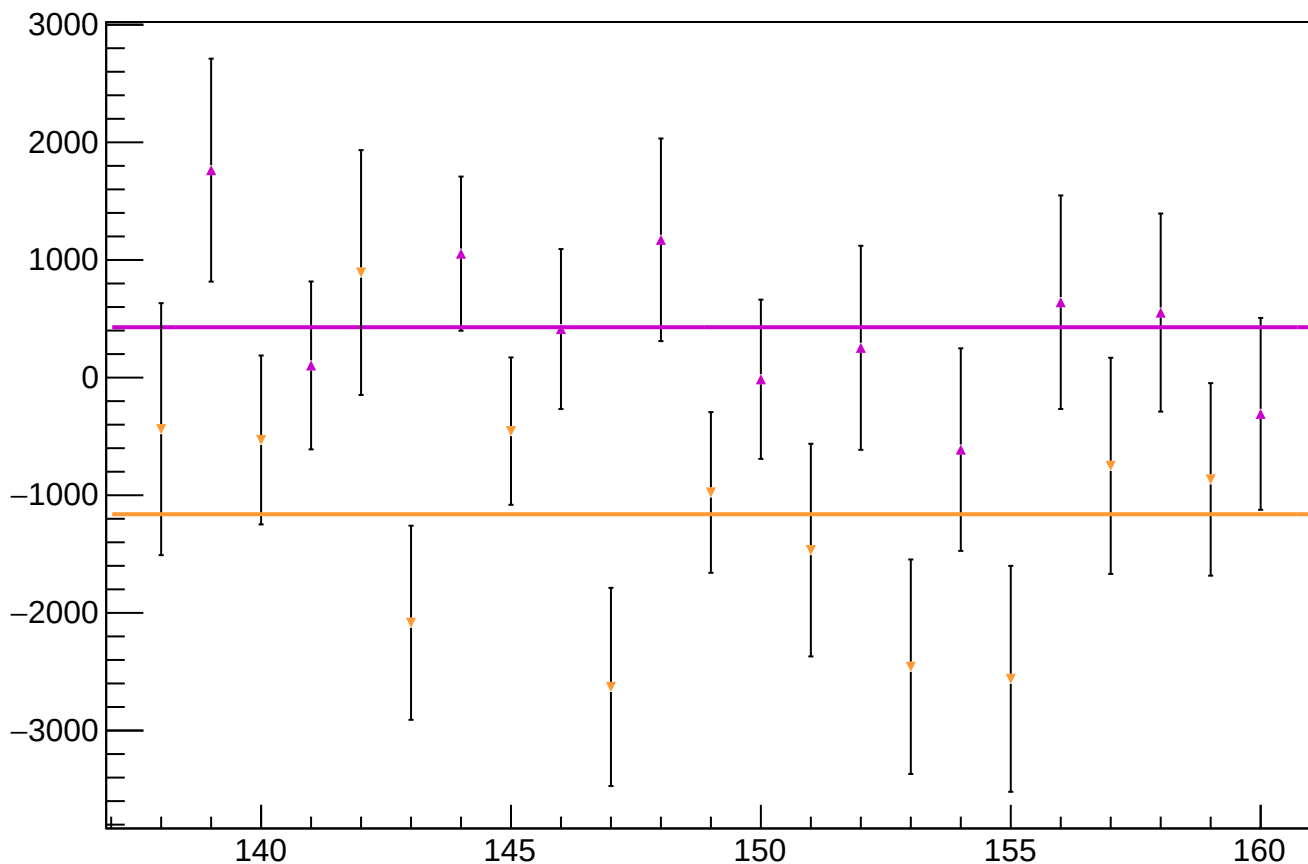
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 111.458+/-0.026 χ^2/NDF :28174.9/10

Out: 112.030+/-0.027 χ^2/NDF :255481.1/11

All: 111.738+/-0.019 χ^2/NDF : 283887.6/22

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1161.117+/-239.076 χ^2/NDF :15.4/11

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

Left In: 428.387+/-236.300 χ^2/NDF :6.7/10

Left: -357.085+/-168.062 χ^2/NDF : 44.4/22

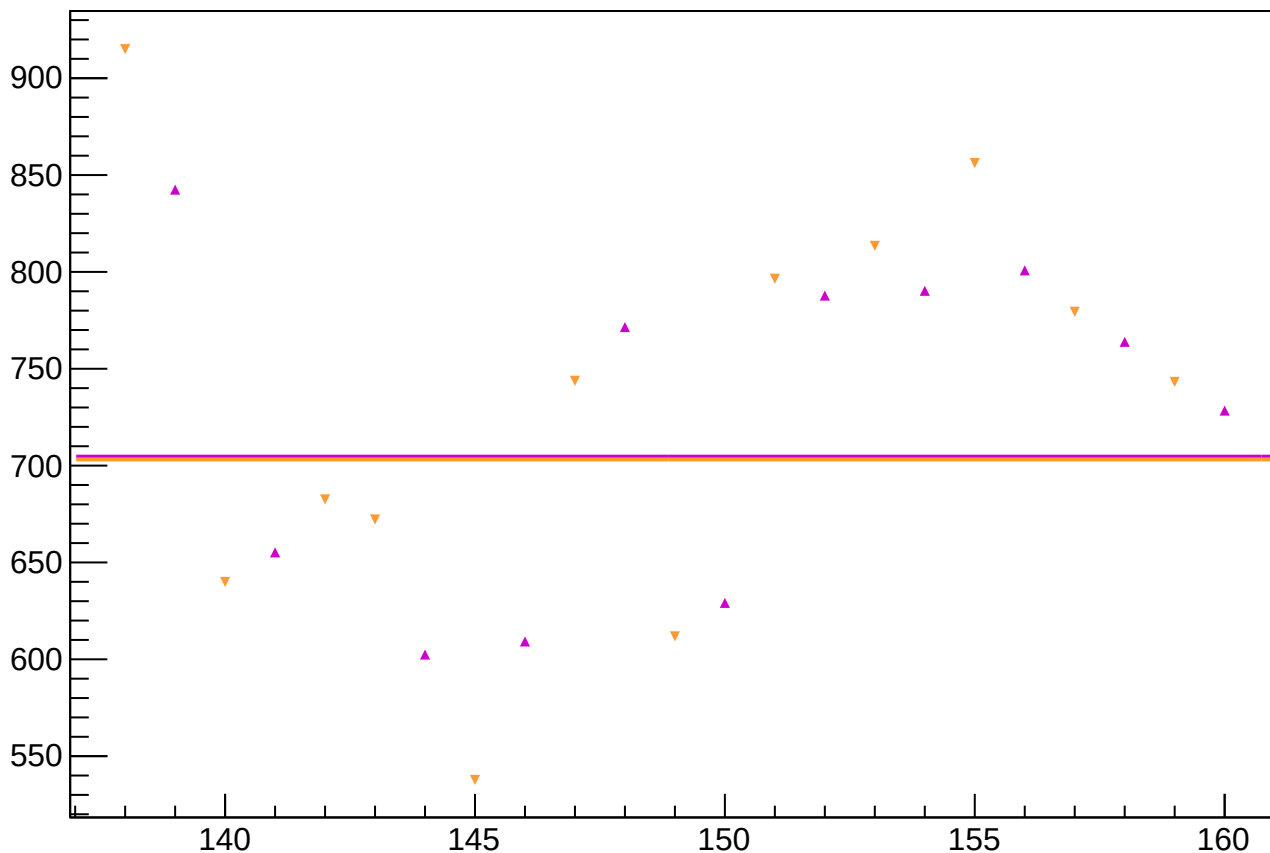
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 428.387+/-236.300 χ^2/NDF :6.7/10

Out: -1161.117+/-239.076 χ^2/NDF :15.4/11

All: -357.085+/-168.062 χ^2/NDF : 44.4/22

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 703.192+/-0.169 χ^2/NDF :397201.9/11

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

Left In: 704.609+/-0.167 χ^2/NDF :249164.4/10

Left: 703.909+/-0.119 χ^2/NDF : 646401.9/22

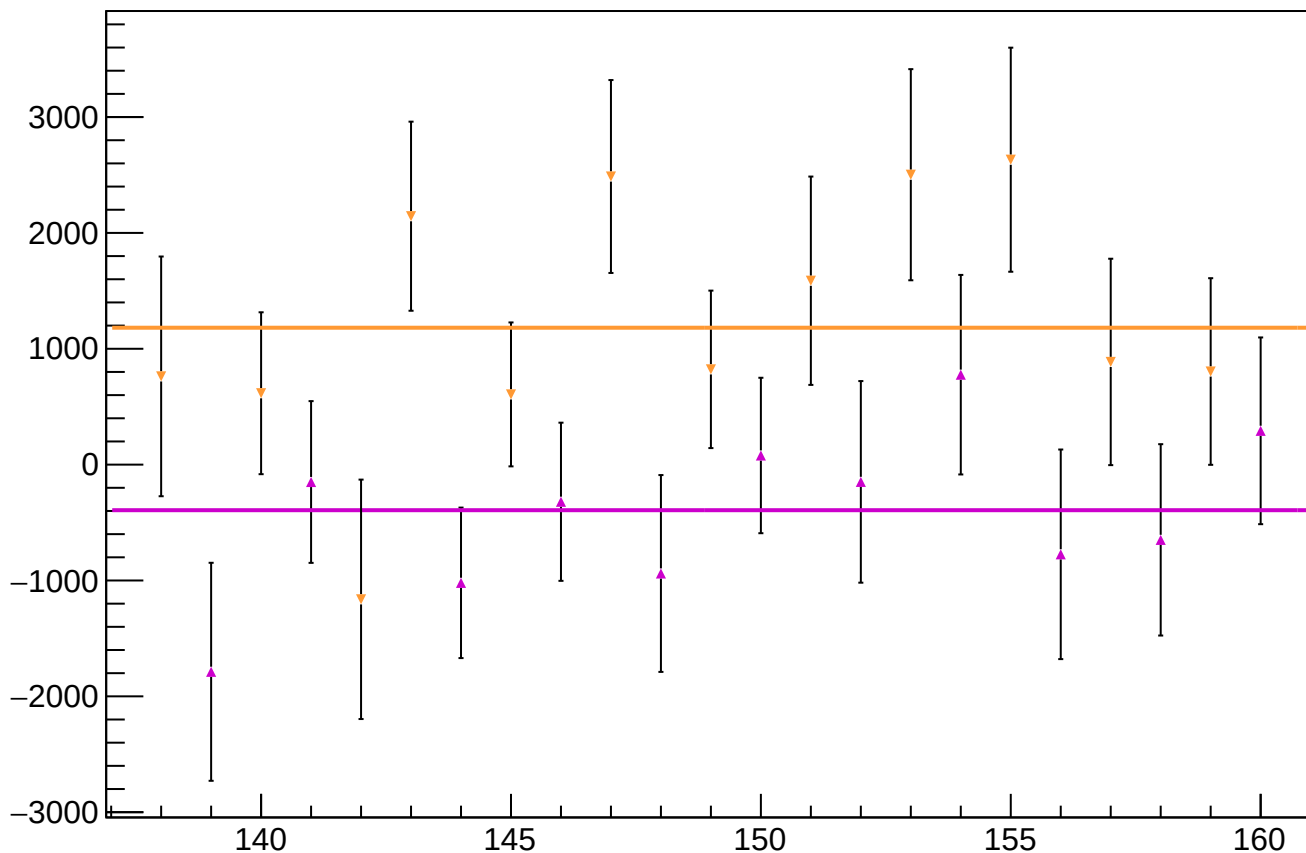
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 704.609+/-0.167 χ^2/NDF :249164.4/10

Out: 703.192+/-0.169 χ^2/NDF :397201.9/11

All: 703.909+/-0.119 χ^2/NDF : 646401.9/22

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1181.729 $\pm$ 236.134 χ^2 /NDF:15.8/11

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

Left In: -393.312 $\pm$ 234.374 χ^2 /NDF:7.1/10

Left: 388.317 $\pm$ 166.347 χ^2 /NDF: 45.3/22

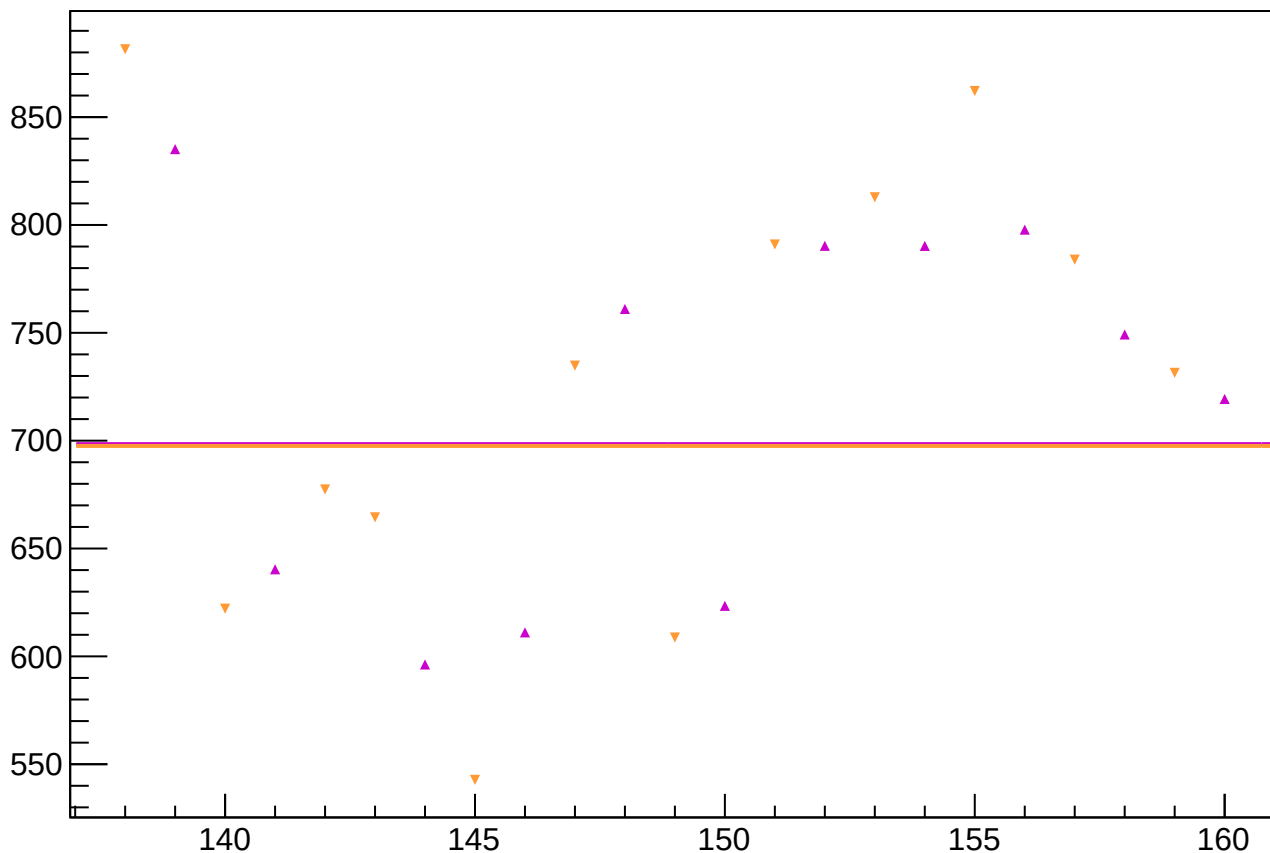
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -393.312 $\pm$ 234.374 χ^2 /NDF:7.1/10

Out: 1181.729 $\pm$ 236.134 χ^2 /NDF:15.8/11

All: 388.317 $\pm$ 166.347 χ^2 /NDF: 45.3/22

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 697.569+/-0.167 χ^2/NDF :386832.0/11

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

Left In: 698.393+/-0.166 χ^2/NDF :252334.2/10

Left: 697.984+/-0.118 χ^2/NDF : 639178.5/22

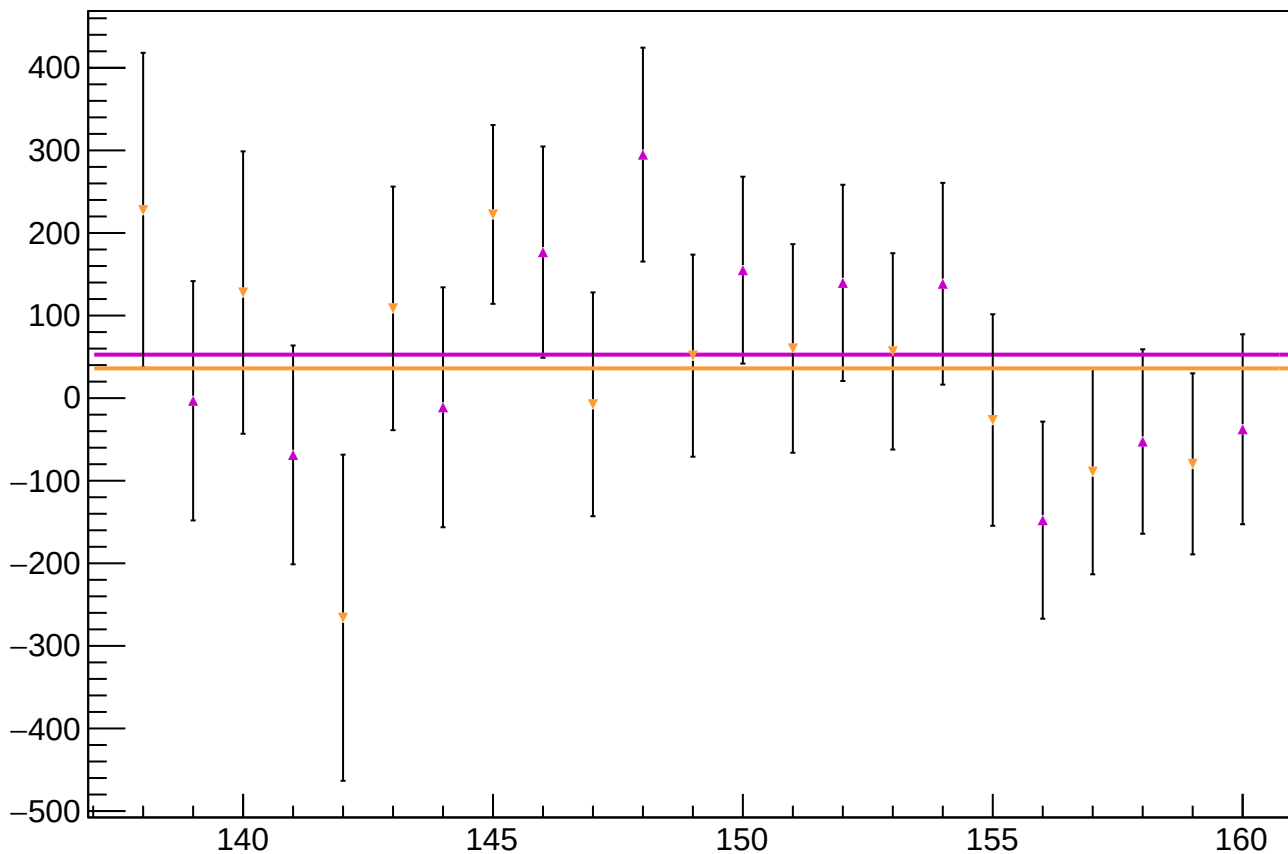
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 698.393+/-0.166 χ^2/NDF :252334.2/10

Out: 697.569+/-0.167 χ^2/NDF :386832.0/11

All: 697.984+/-0.118 χ^2/NDF : 639178.5/22

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 36.061 $\pm$ 38.285 χ^2 /NDF:9.4/11

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

Left In: 52.663 $\pm$ 37.409 χ^2 /NDF:11.8/10

Left: 44.554 $\pm$ 26.756 χ^2 /NDF: 21.3/22

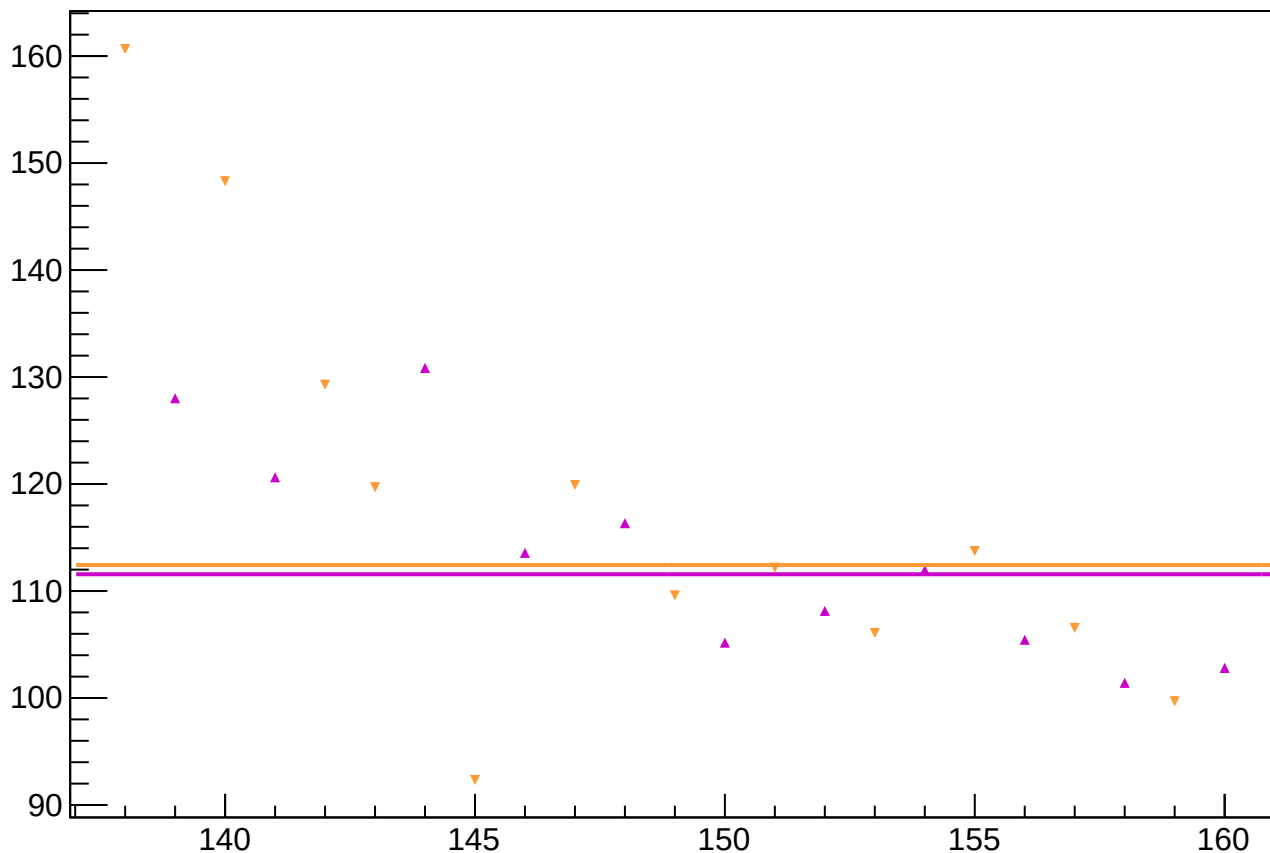
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 52.663 $\pm$ 37.409 χ^2 /NDF:11.8/10

Out: 36.061 $\pm$ 38.285 χ^2 /NDF:9.4/11

All: 44.554 $\pm$ 26.756 χ^2 /NDF: 21.3/22

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 112.428+/-0.027 χ^2/NDF : 348951.3/11

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

Left In: 111.567+/-0.026 χ^2/NDF : 115012.5/10

Left: 111.988+/-0.019 χ^2/NDF : 464481.0/22

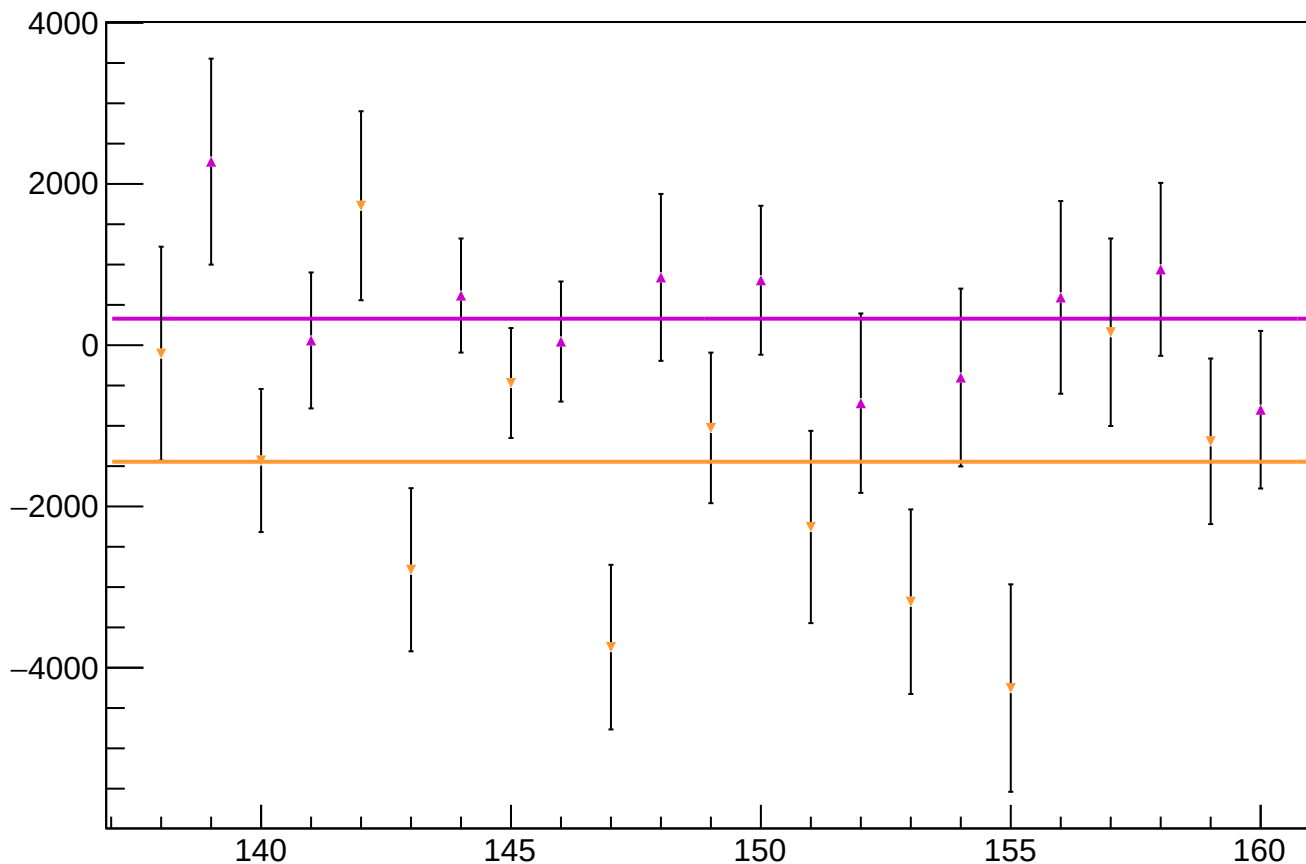
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 111.567+/-0.026 χ^2/NDF : 115012.5/10

Out: 112.428+/-0.027 χ^2/NDF : 348951.3/11

All: 111.988+/-0.019 χ^2/NDF : 464481.0/22

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1445.325+/-294.111 χ^2/NDF : 26.9/11

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

Left In: 329.008+/-286.607 χ^2/NDF : 6.3/10

Left: -535.235+/-205.264 χ^2/NDF : 51.9/22

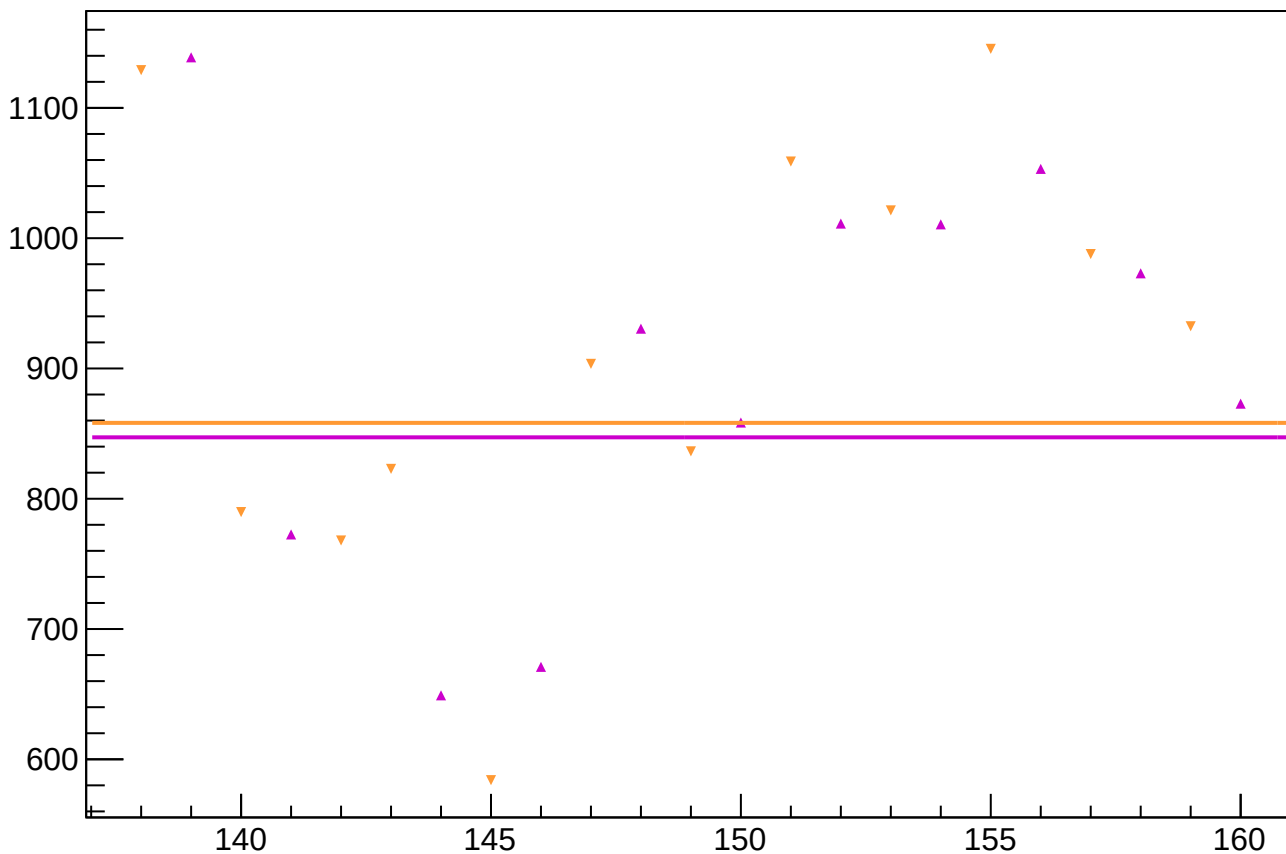
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 329.008+/-286.607 χ^2/NDF : 6.3/10

Out: -1445.325+/-294.111 χ^2/NDF : 26.9/11

All: -535.235+/-205.264 χ^2/NDF : 51.9/22

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 858.240+/-0.208 χ^2/NDF : 670463.6/11

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

Left In: 847.135+/-0.203 χ^2/NDF : 577758.0/10

Left: 852.544+/-0.145 χ^2/NDF : 1249684.1/22

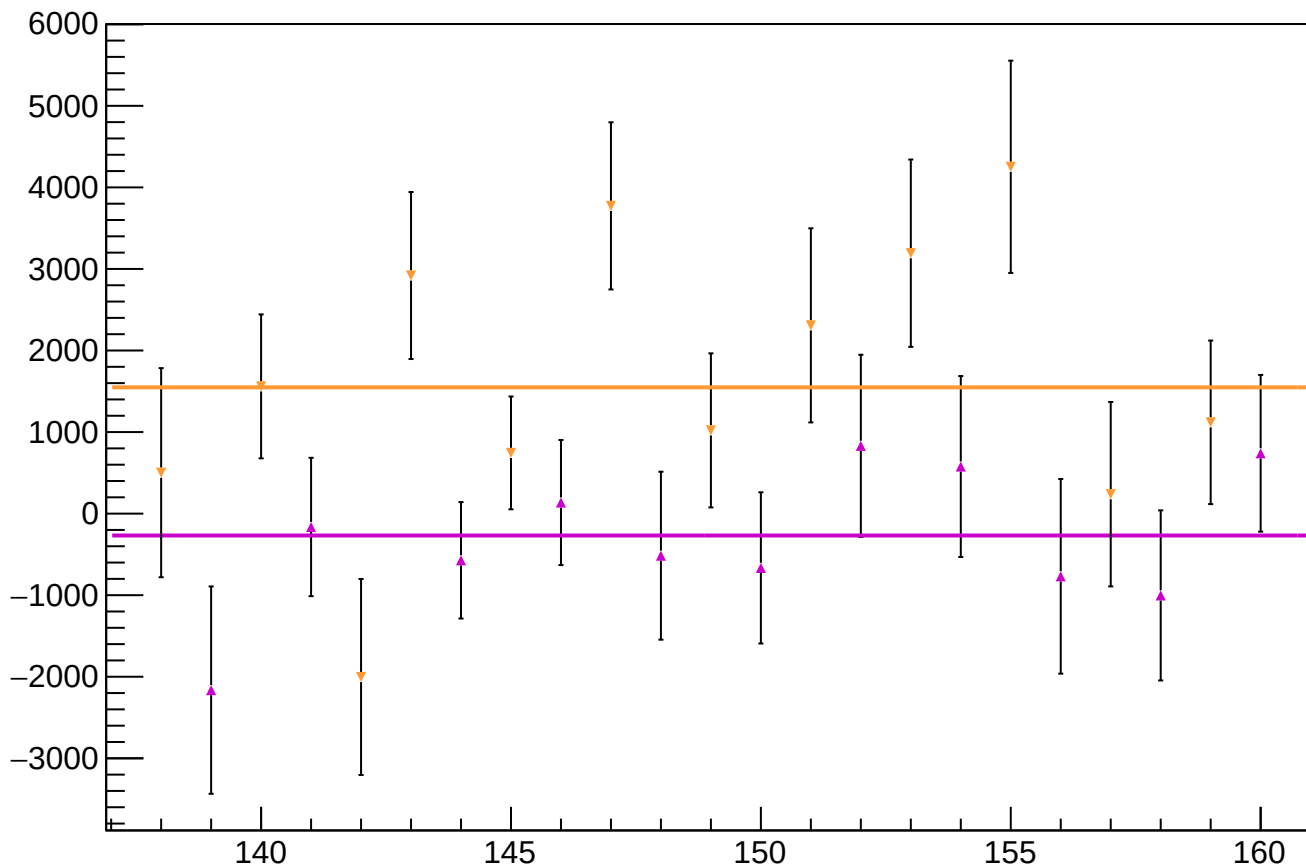
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 847.135+/-0.203 χ^2/NDF : 577758.0/10

Out: 858.240+/-0.208 χ^2/NDF : 670463.6/11

All: 852.544+/-0.145 χ^2/NDF : 1249684.1/22

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1548.438+/-294.422 χ^2/NDF :25.9/11

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

Left In: -268.210+/-287.518 χ^2/NDF :6.3/10

Left: 618.565+/-205.704 χ^2/NDF : 51.6/22

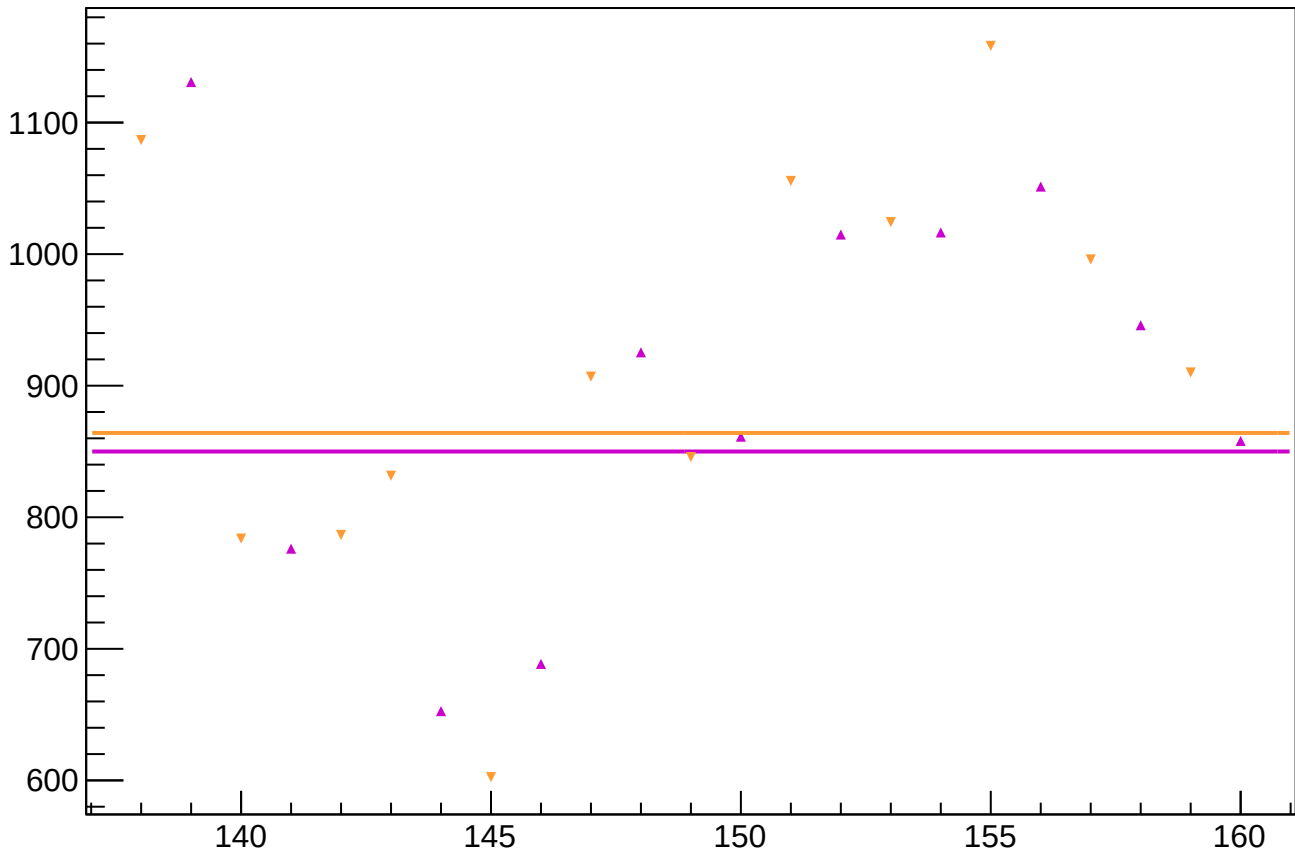
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -268.210+/-287.518 χ^2/NDF :6.3/10

Out: 1548.438+/-294.422 χ^2/NDF :25.9/11

All: 618.565+/-205.704 χ^2/NDF : 51.6/22

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 864.098+/-0.208 χ^2/NDF : 602162.0/11

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

Left In: 849.972+/-0.203 χ^2/NDF : 527801.0/10

Left: 856.868+/-0.145 χ^2/NDF : 1132319.4/22

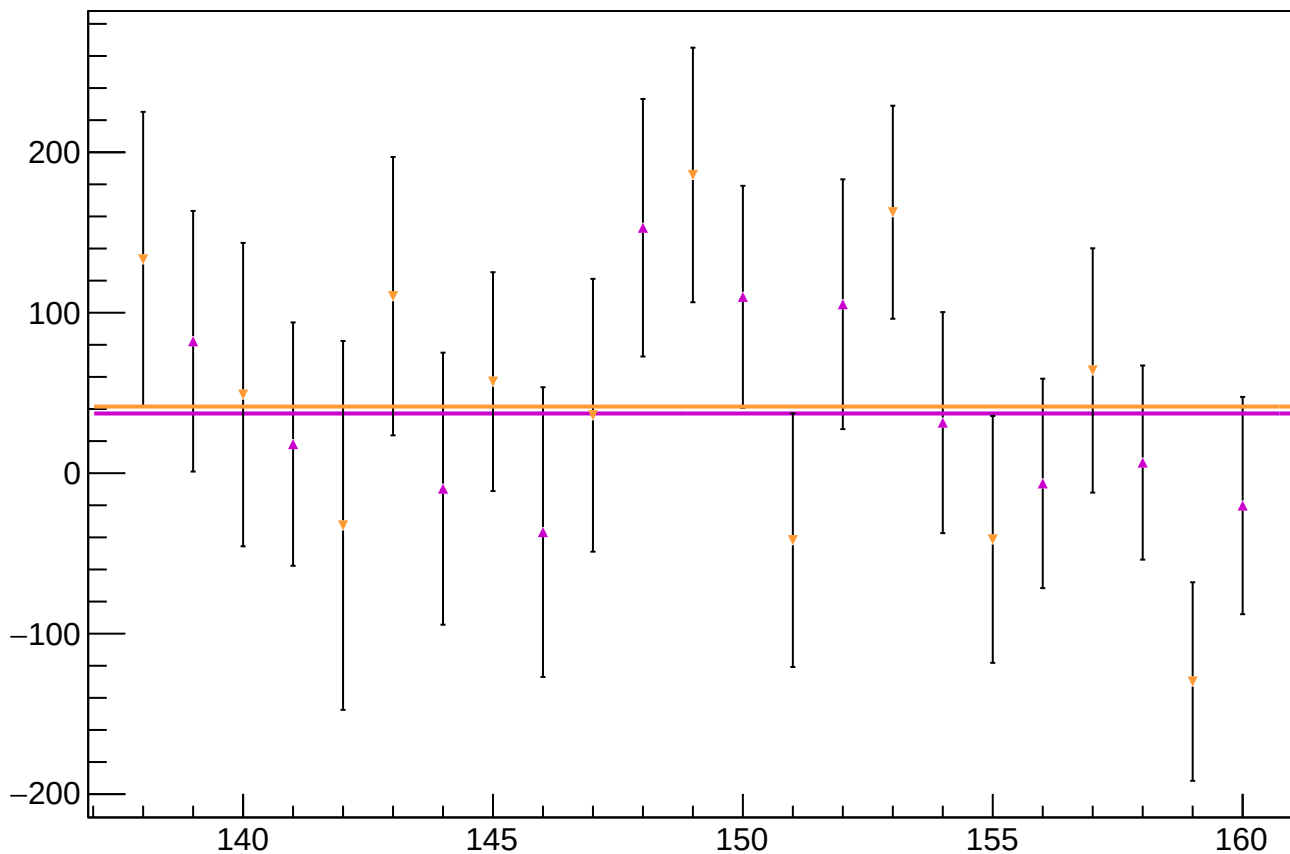
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 849.972+/-0.203 χ^2/NDF : 527801.0/10

Out: 864.098+/-0.208 χ^2/NDF : 602162.0/11

All: 856.868+/-0.145 χ^2/NDF : 1132319.4/22

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 41.516 $\pm$ 22.696 χ^2 /NDF:18.8/11

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

Left In: 37.211 $\pm$ 22.065 χ^2 /NDF:6.7/10

Left: 39.303 $\pm$ 15.821 χ^2 /NDF: 25.5/22

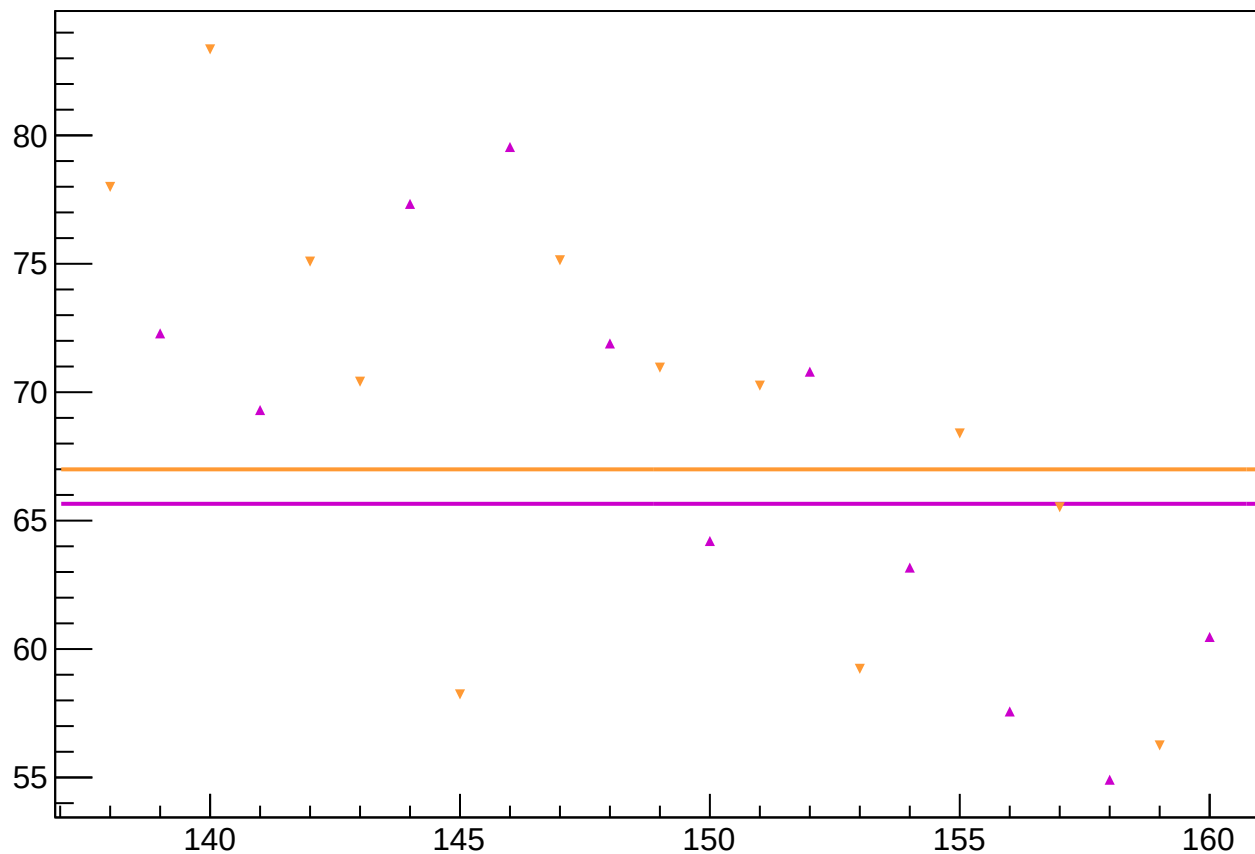
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 37.211 $\pm$ 22.065 χ^2 /NDF:6.7/10

Out: 41.516 $\pm$ 22.696 χ^2 /NDF:18.8/11

All: 39.303 $\pm$ 15.821 χ^2 /NDF: 25.5/22

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.996 $\pm$ 0.016 χ^2/NDF :250371.5/11

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

Left In: 65.655 $\pm$ 0.016 χ^2/NDF :233153.0/10

Left: 66.307 $\pm$ 0.011 χ^2/NDF : 487116.2/22

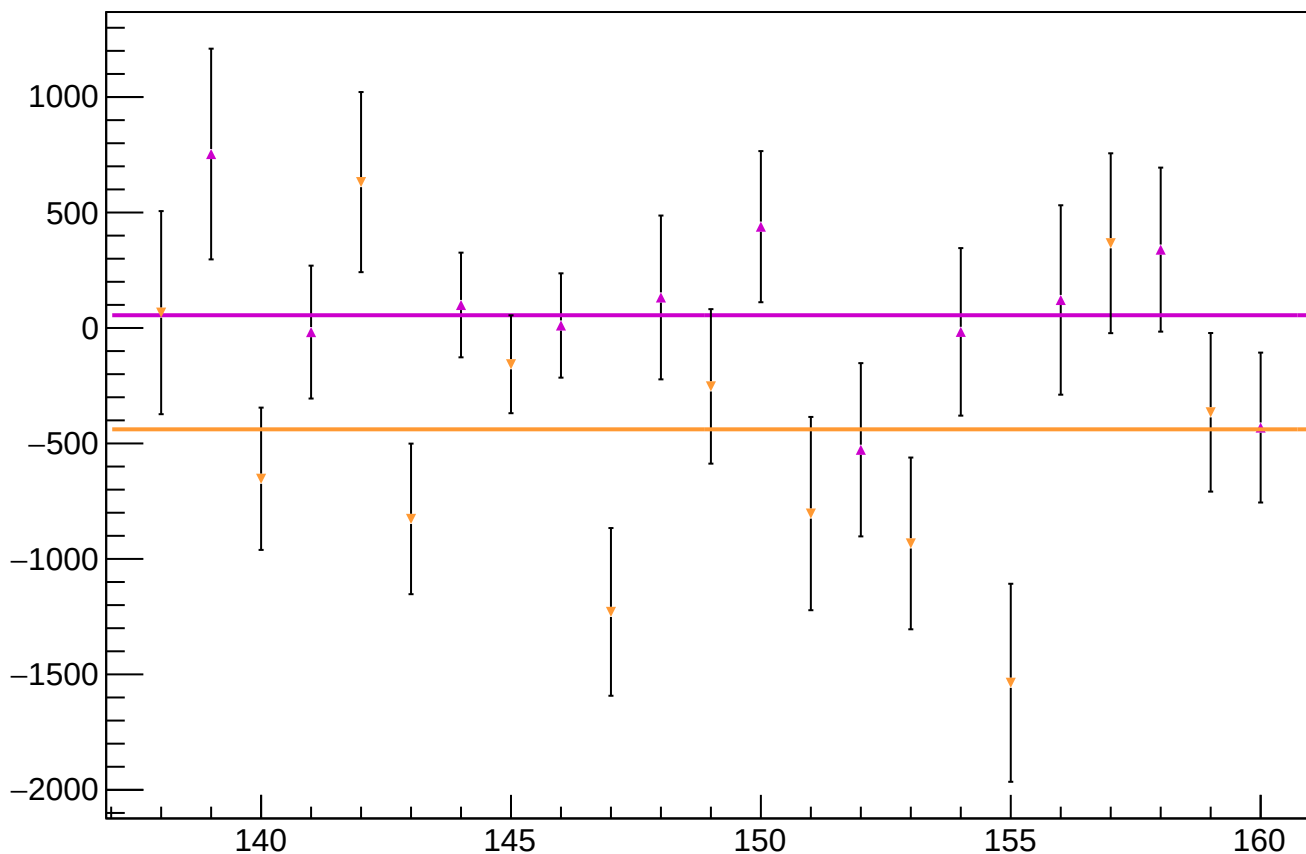
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 65.655 $\pm$ 0.016 χ^2/NDF :233153.0/10

Out: 66.996 $\pm$ 0.016 χ^2/NDF :250371.5/11

All: 66.307 $\pm$ 0.011 χ^2/NDF : 487116.2/22

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -438.848+/-98.093 χ^2/NDF :31.0/11

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

Left In: 55.203+/-94.783 χ^2/NDF :9.3/10

Left: -183.345+/-68.162 χ^2/NDF : 53.4/22

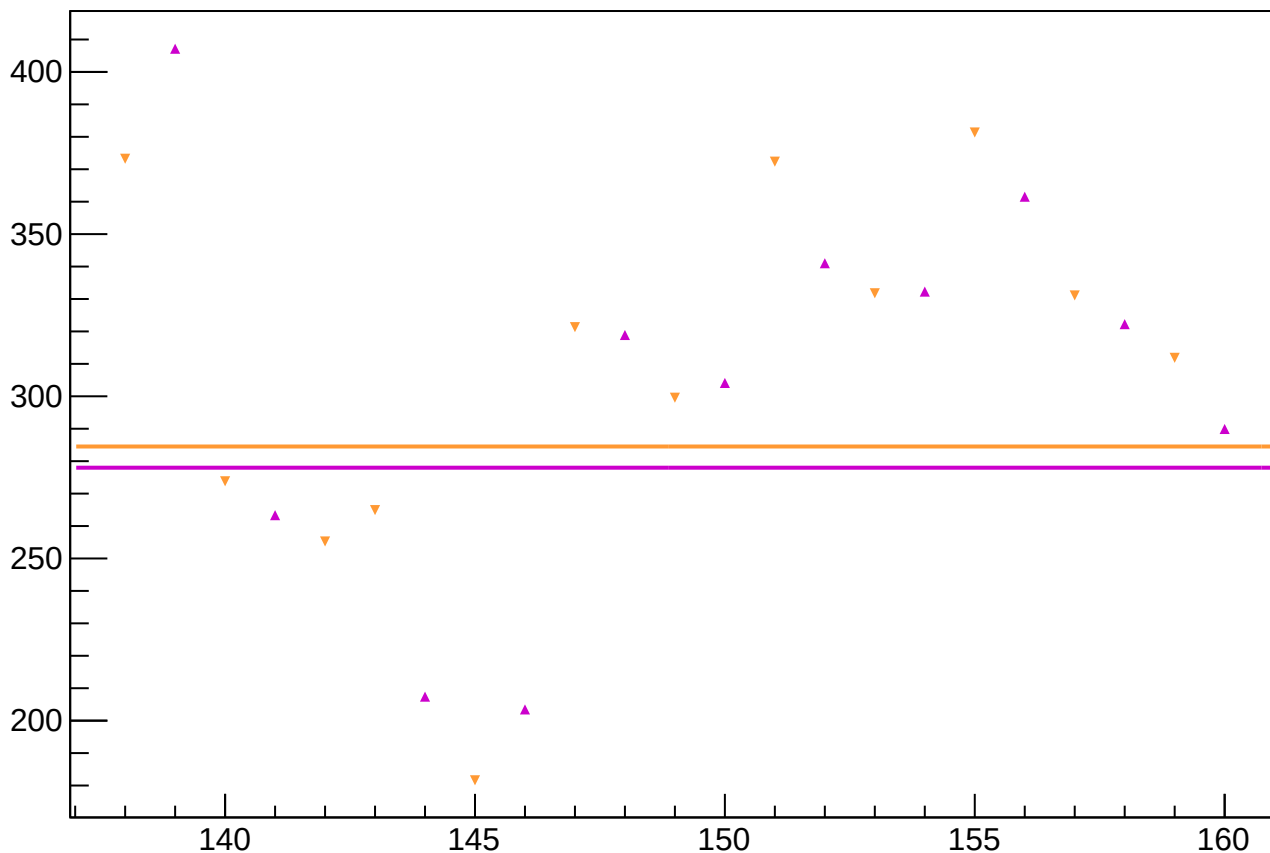
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 55.203+/-94.783 χ^2/NDF :9.3/10

Out: -438.848+/-98.093 χ^2/NDF :31.0/11

All: -183.345+/-68.162 χ^2/NDF : 53.4/22

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 284.522+/-0.069 χ^2/NDF : 862024.4/11

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

Left In: 277.986+/-0.067 χ^2/NDF : 834593.8/10

Left: 281.142+/-0.048 χ^2/NDF : 1701210.3/22

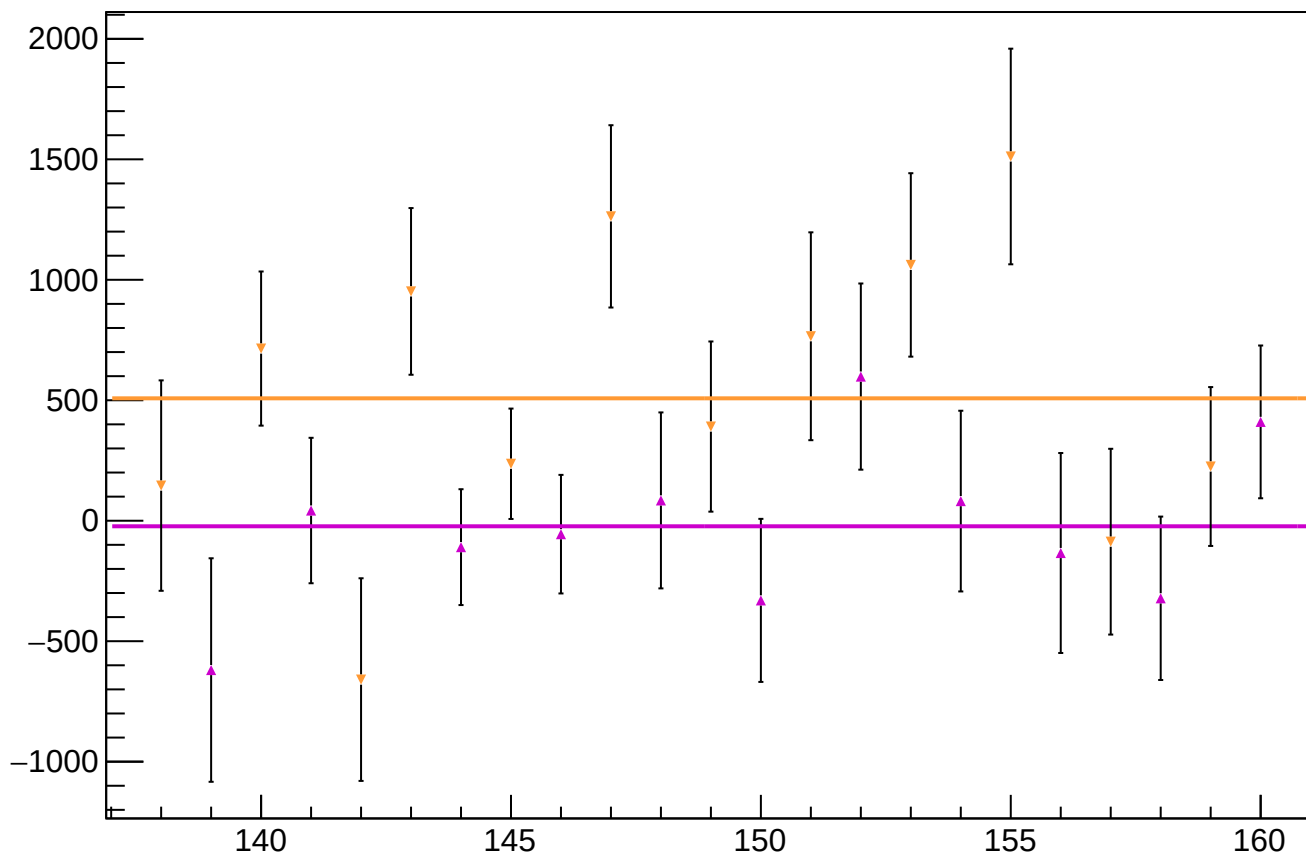
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 277.986+/-0.067 χ^2/NDF : 834593.8/10

Out: 284.522+/-0.069 χ^2/NDF : 862024.4/11

All: 281.142+/-0.048 χ^2/NDF : 1701210.3/22

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 508.015+/-101.912 χ^2/NDF : 26.6/11

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

Left In: -23.055+/-98.085 χ^2/NDF : 8.1/10

Left: 232.320+/-70.671 χ^2/NDF : 48.8/22

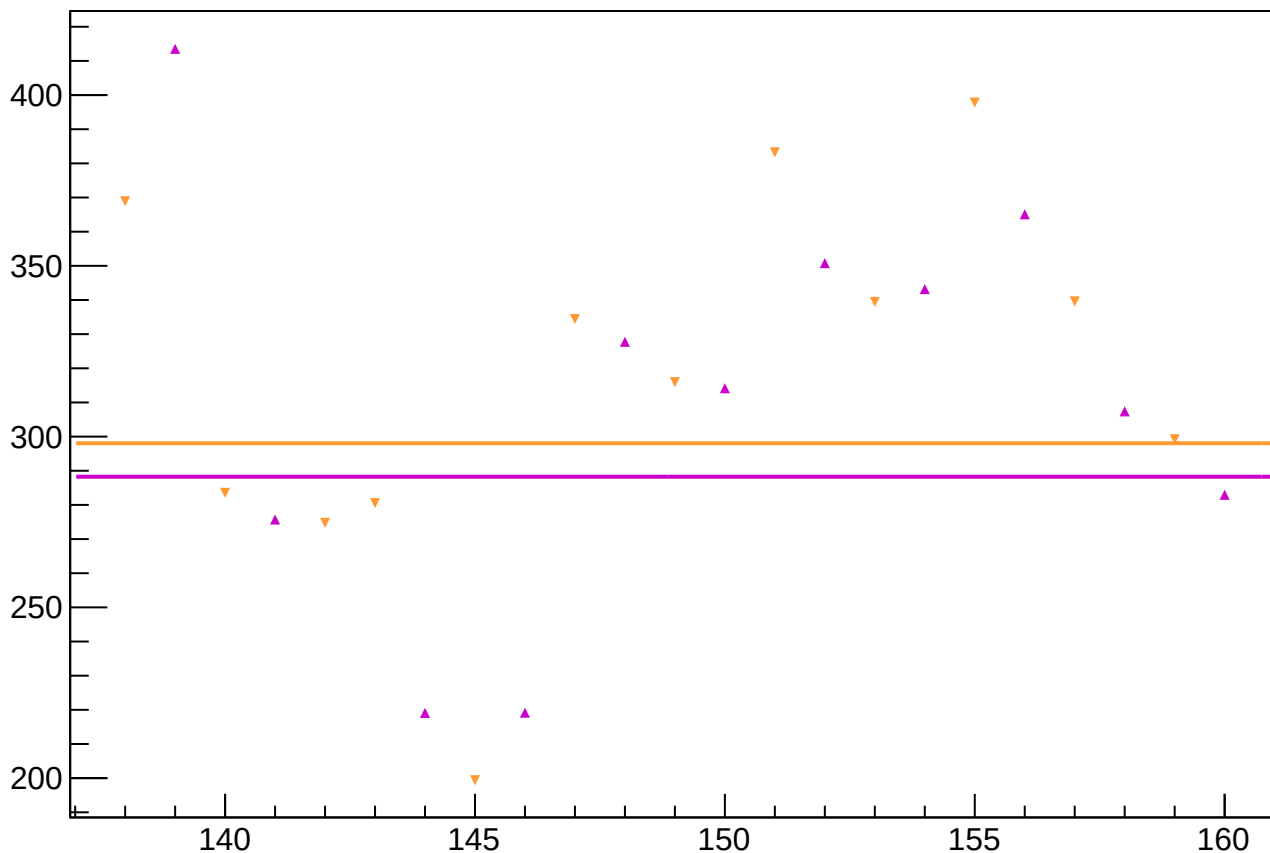
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -23.055+/-98.085 χ^2/NDF : 8.1/10

Out: 508.015+/-101.912 χ^2/NDF : 26.6/11

All: 232.320+/-70.671 χ^2/NDF : 48.8/22

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 298.057+/-0.072 χ^2/NDF : 686917.1/11

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

Left In: 288.254+/-0.069 χ^2/NDF : 678522.2/10

Left: 292.968+/-0.050 χ^2/NDF : 1375046.0/22

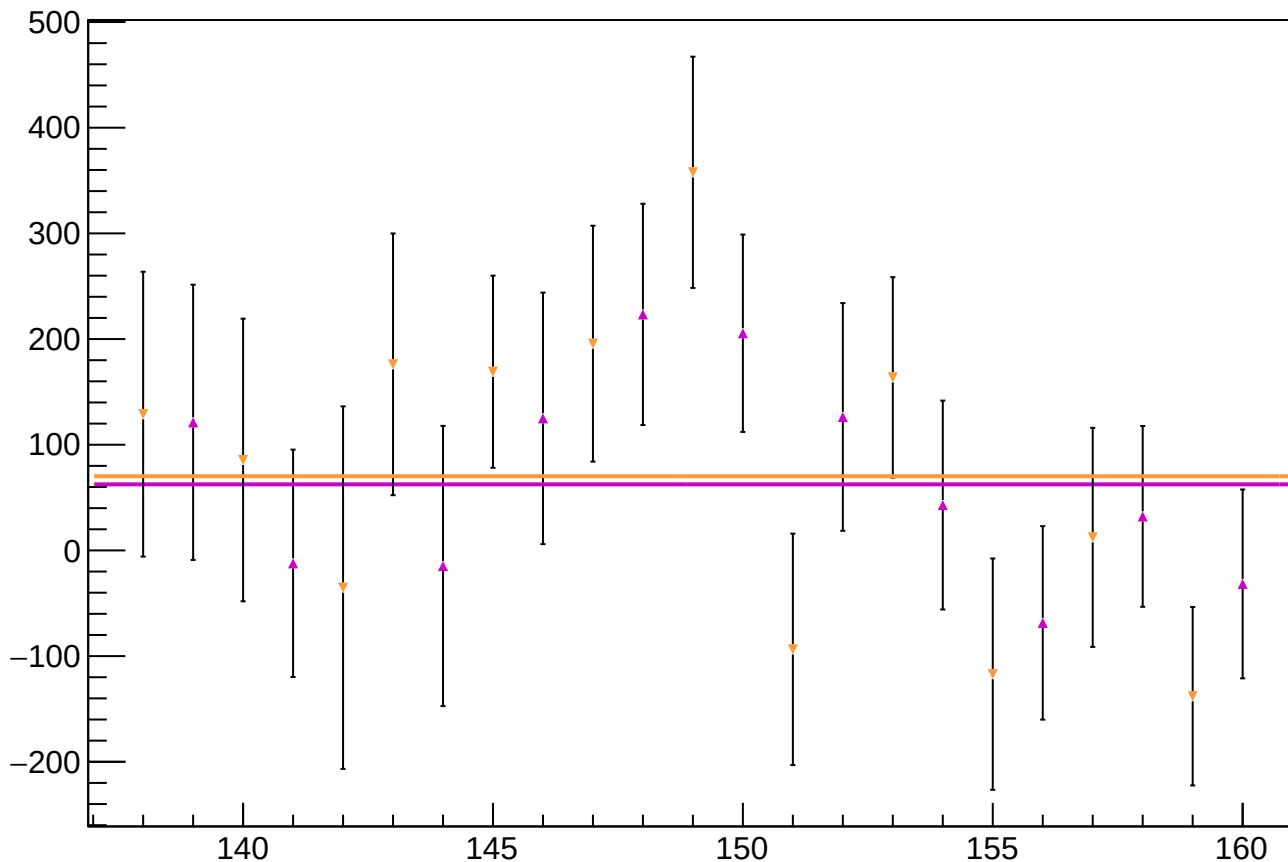
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 288.254+/-0.069 χ^2/NDF : 678522.2/10

Out: 298.057+/-0.072 χ^2/NDF : 686917.1/11

All: 292.968+/-0.050 χ^2/NDF : 1375046.0/22

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 70.204+/-31.521 χ^2/NDF :23.2/11

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

Left In: 62.512+/-30.882 χ^2/NDF :9.7/10

Left: 66.280+/-22.059 χ^2/NDF : 32.9/22

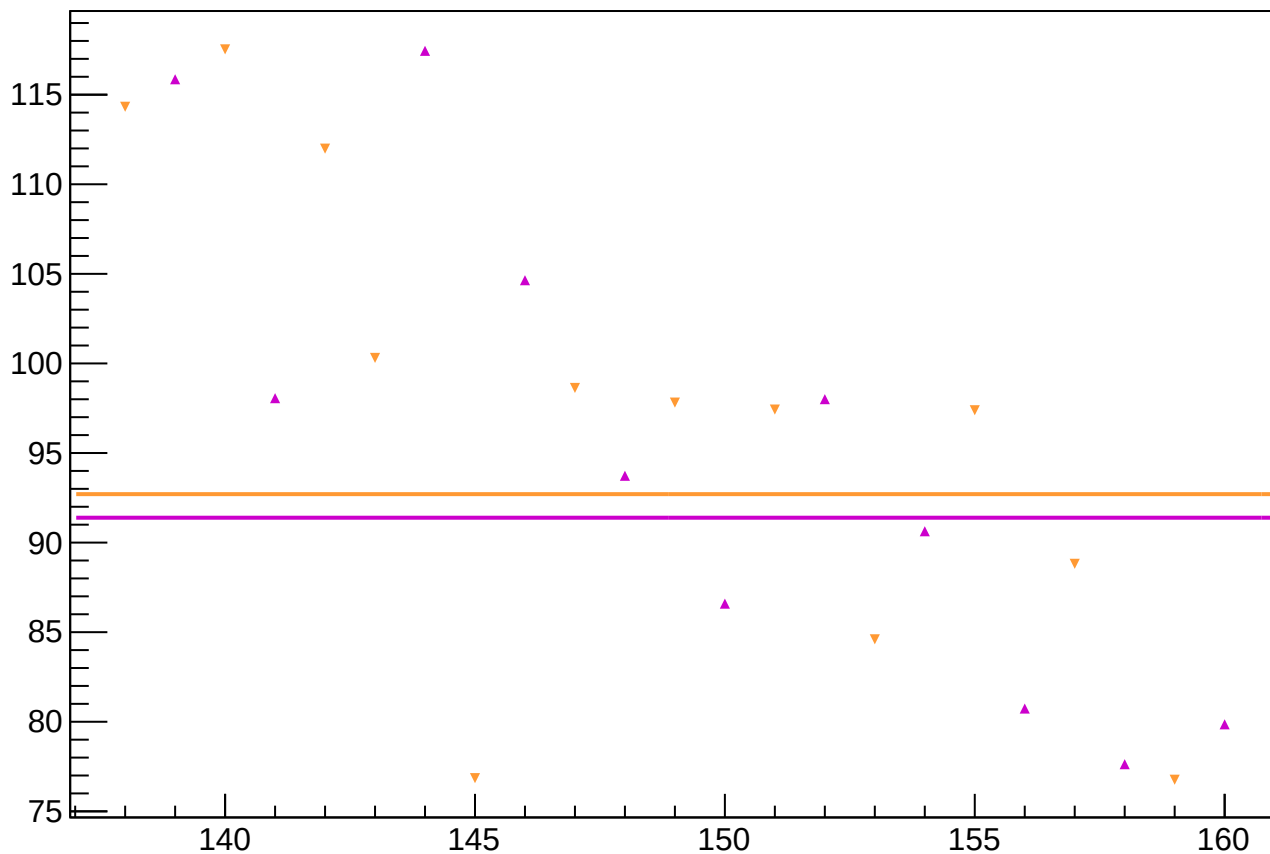
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.512+/-30.882 χ^2/NDF :9.7/10

Out: 70.204+/-31.521 χ^2/NDF :23.2/11

All: 66.280+/-22.059 χ^2/NDF : 32.9/22

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 92.704+/-0.022 χ^2/NDF :320154.5/11

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

Left In: 91.389+/-0.022 χ^2/NDF :306463.1/10

Left: 92.033+/-0.016 χ^2/NDF : 628394.8/22

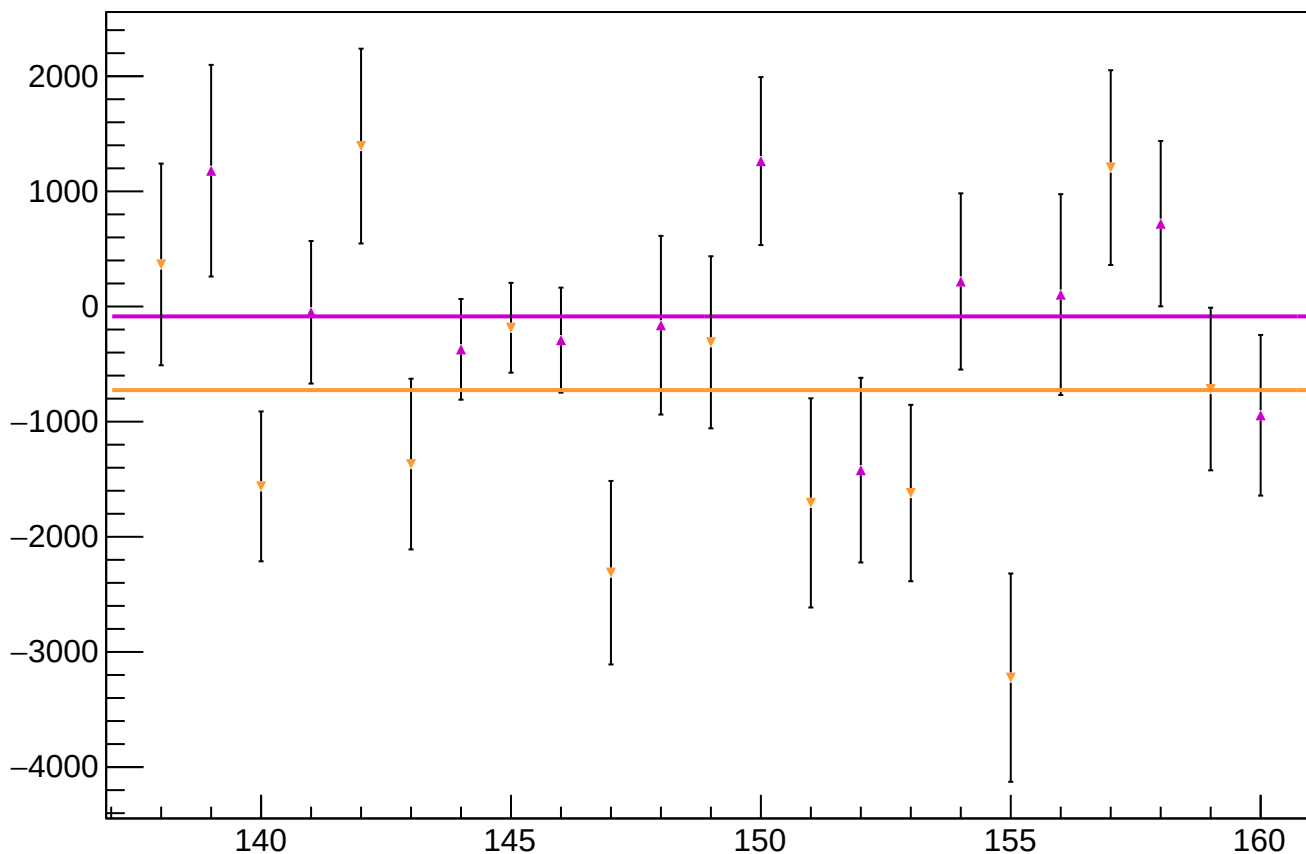
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 91.389+/-0.022 χ^2/NDF :306463.1/10

Out: 92.704+/-0.022 χ^2/NDF :320154.5/11

All: 92.033+/-0.016 χ^2/NDF : 628394.8/22

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -725.887+/-202.606 χ^2/NDF :31.8/11

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

Left In: -85.889+/-196.300 χ^2/NDF :11.7/10

Left: -395.774+/-140.982 χ^2/NDF : 48.7/22

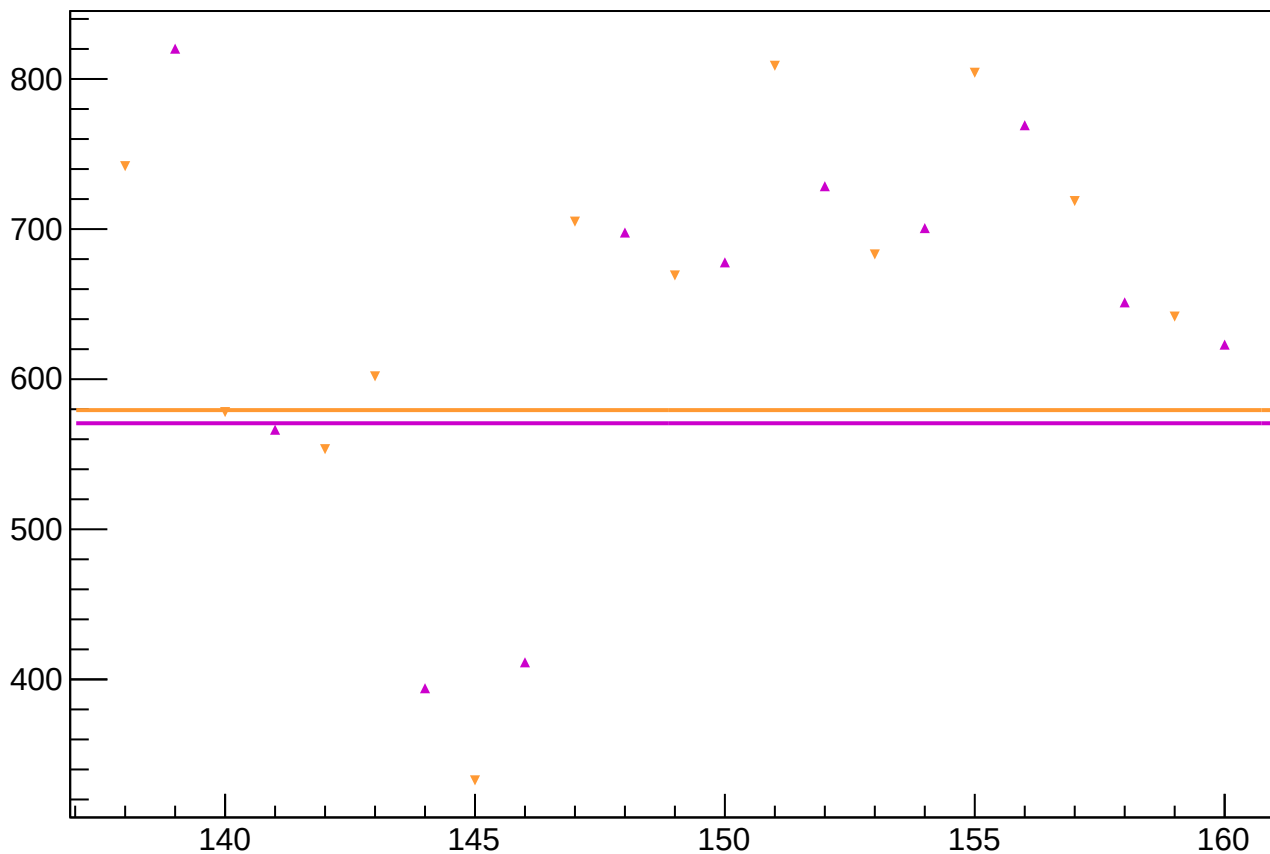
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -85.889+/-196.300 χ^2/NDF :11.7/10

Out: -725.887+/-202.606 χ^2/NDF :31.8/11

All: -395.774+/-140.982 χ^2/NDF : 48.7/22

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 579.401+/-0.143 χ^2/NDF :1308202.4/11

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

Left In: 570.647+/-0.139 χ^2/NDF :1089977.2/10

Left: 574.886+/-0.100 χ^2/NDF : 2400105.7/22

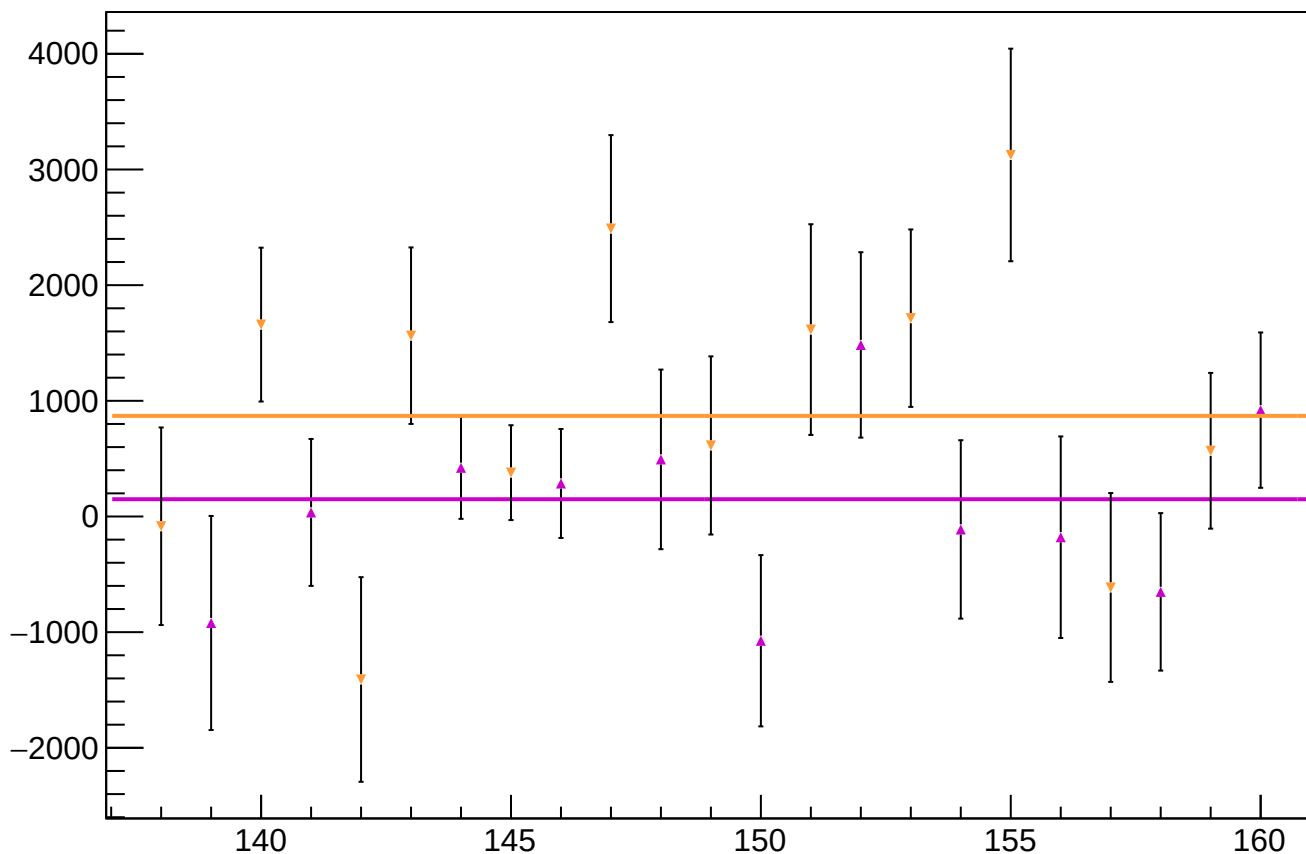
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 570.647+/-0.139 χ^2/NDF :1089977.2/10

Out: 579.401+/-0.143 χ^2/NDF :1308202.4/11

All: 574.886+/-0.100 χ^2/NDF : 2400105.7/22

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 869.766+/-205.901 χ^2/NDF :27.1/11

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

Left In: 149.274+/-197.287 χ^2/NDF :10.5/10

Left: 494.134+/-142.451 χ^2/NDF : 44.0/22

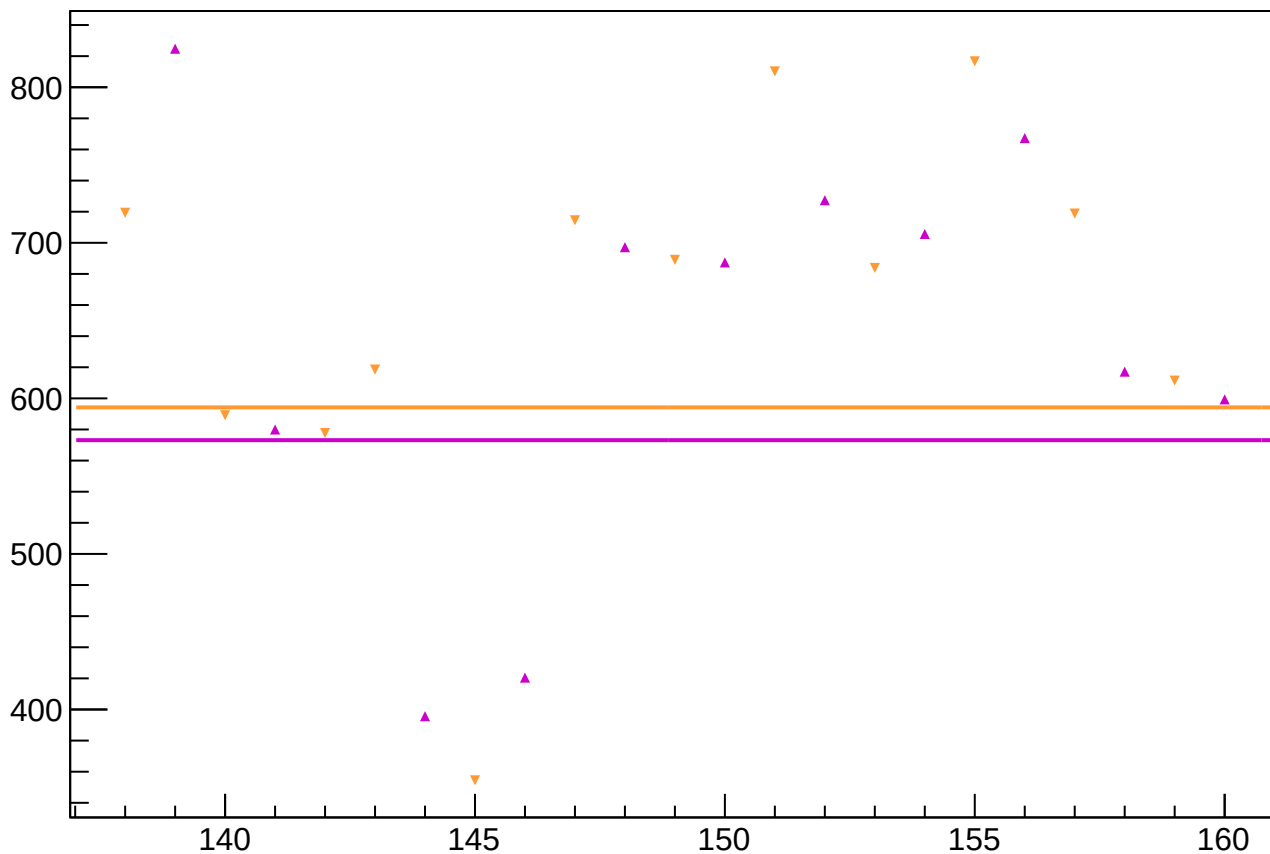
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 149.274+/-197.287 χ^2/NDF :10.5/10

Out: 869.766+/-205.901 χ^2/NDF :27.1/11

All: 494.134+/-142.451 χ^2/NDF : 44.0/22

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 594.189+/-0.146 χ^2/NDF :1109100.5/11

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

Left In: 573.132+/-0.140 χ^2/NDF :1023675.4/10

Left: 583.211+/-0.101 χ^2/NDF : 2143681.8/22

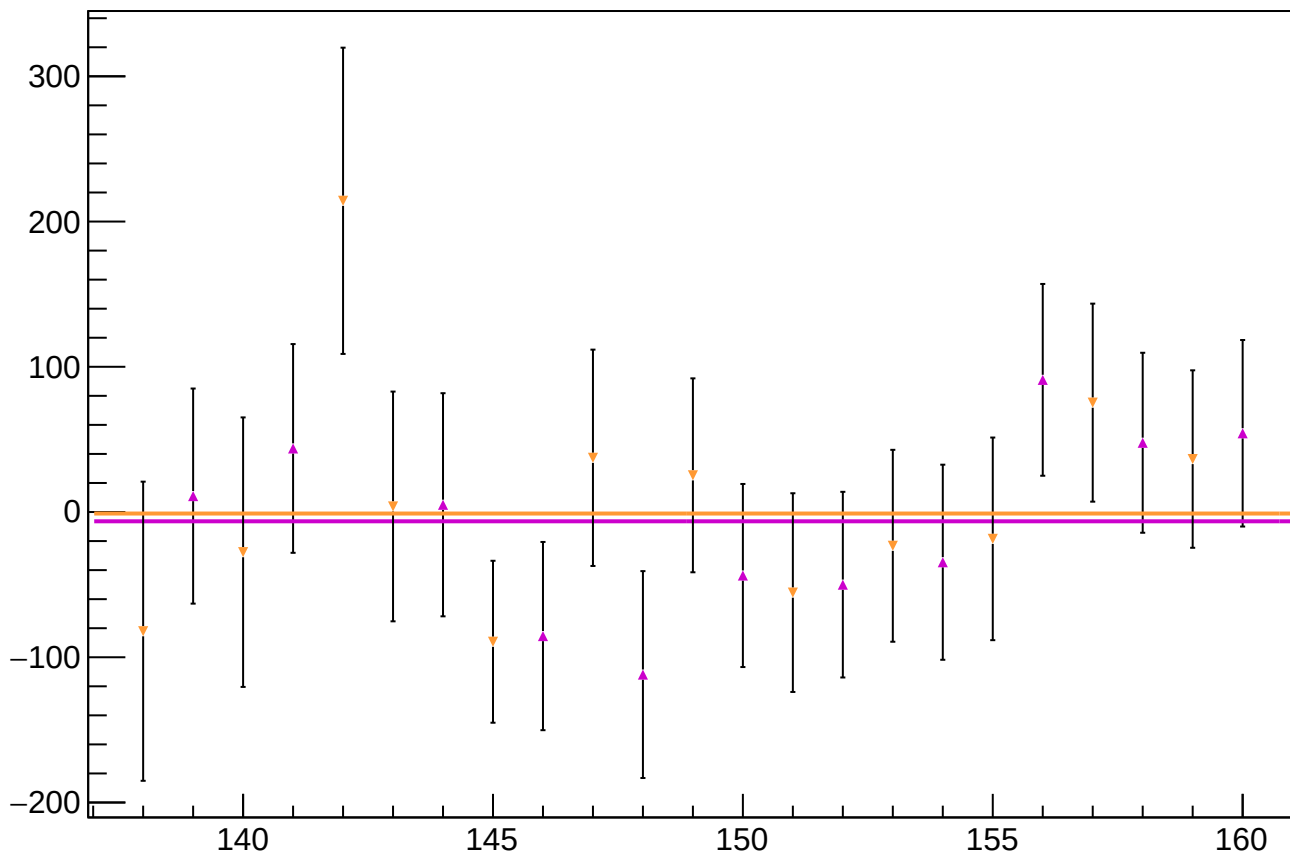
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 573.132+/-0.140 χ^2/NDF :1023675.4/10

Out: 594.189+/-0.146 χ^2/NDF :1109100.5/11

All: 583.211+/-0.101 χ^2/NDF : 2143681.8/22

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -1.036+/-20.770 χ^2/NDF :10.2/11

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

Left In: -6.390+/-20.281 χ^2/NDF :9.1/10

Left: -3.777+/-14.511 χ^2/NDF : 19.3/22

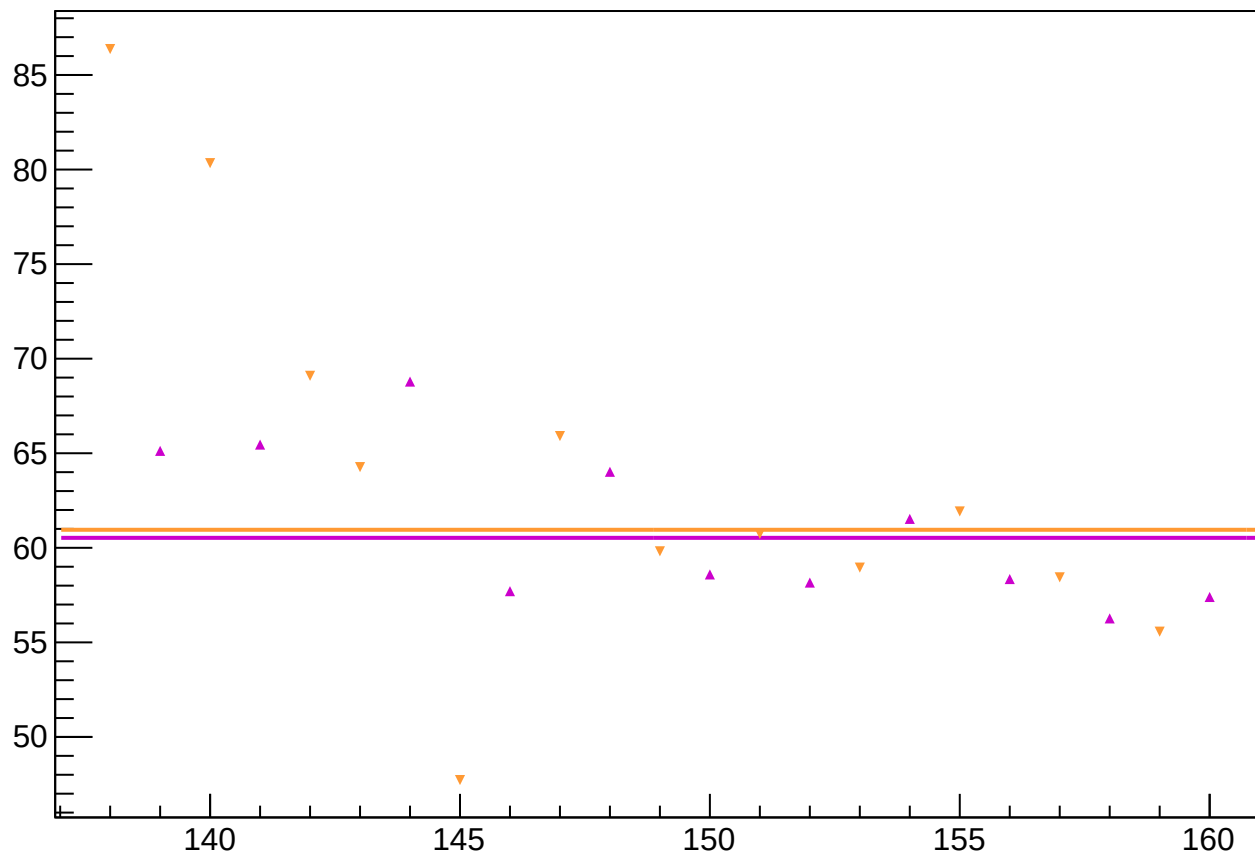
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.390+/-20.281 χ^2/NDF :9.1/10

Out: -1.036+/-20.770 χ^2/NDF :10.2/11

All: -3.777+/-14.511 χ^2/NDF : 19.3/22

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 60.954+/-0.015 χ^2/NDF :367203.6/11

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

Left In: 60.527+/-0.014 χ^2/NDF :70311.0/10

Left: 60.735+/-0.010 χ^2/NDF : 437945.8/22

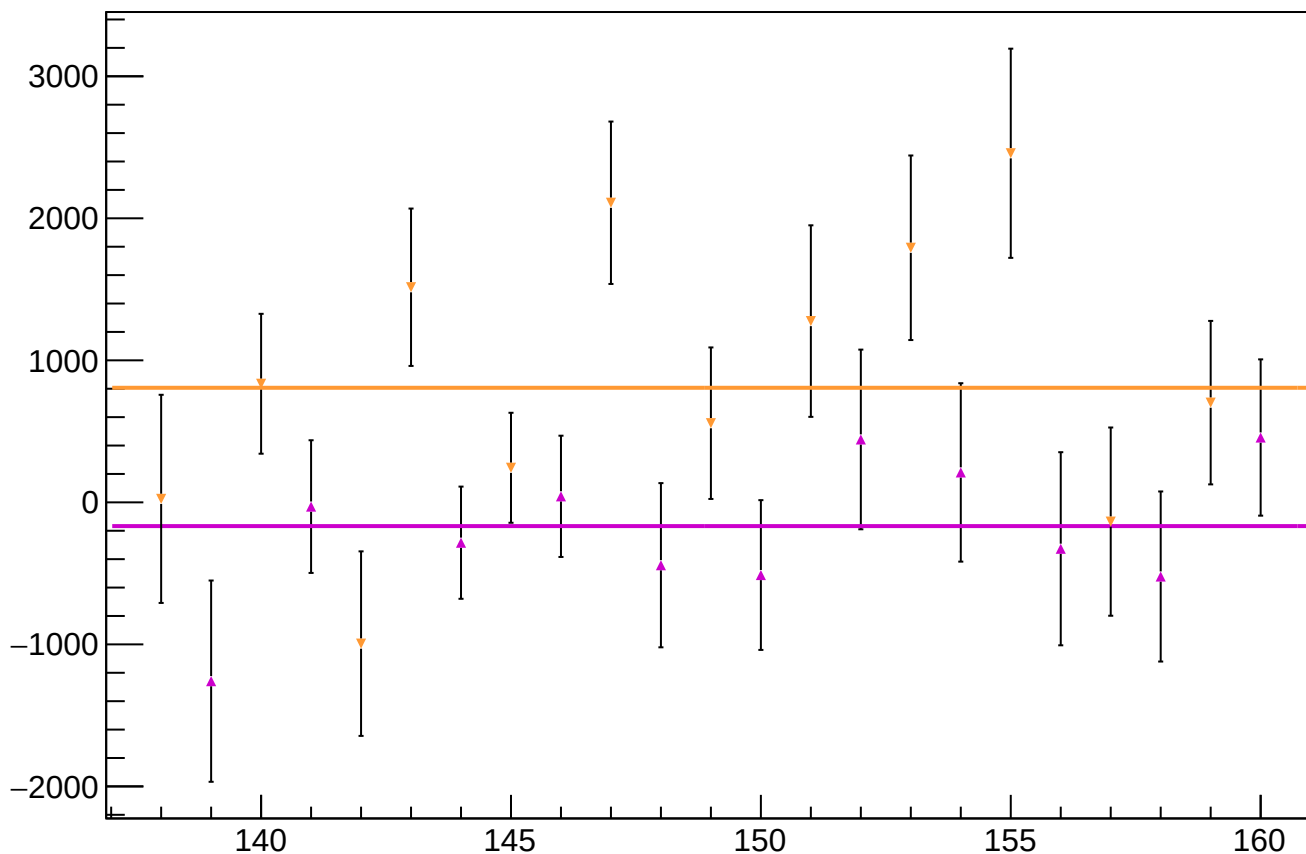
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.527+/-0.014 χ^2/NDF :70311.0/10

Out: 60.954+/-0.015 χ^2/NDF :367203.6/11

All: 60.735+/-0.010 χ^2/NDF : 437945.8/22

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 806.755+/-165.378 χ^2/NDF : 27.9/11

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

Left In: -167.168+/-161.482 χ^2/NDF : 6.4/10

Left: 308.185+/-115.538 χ^2/NDF : 52.0/22

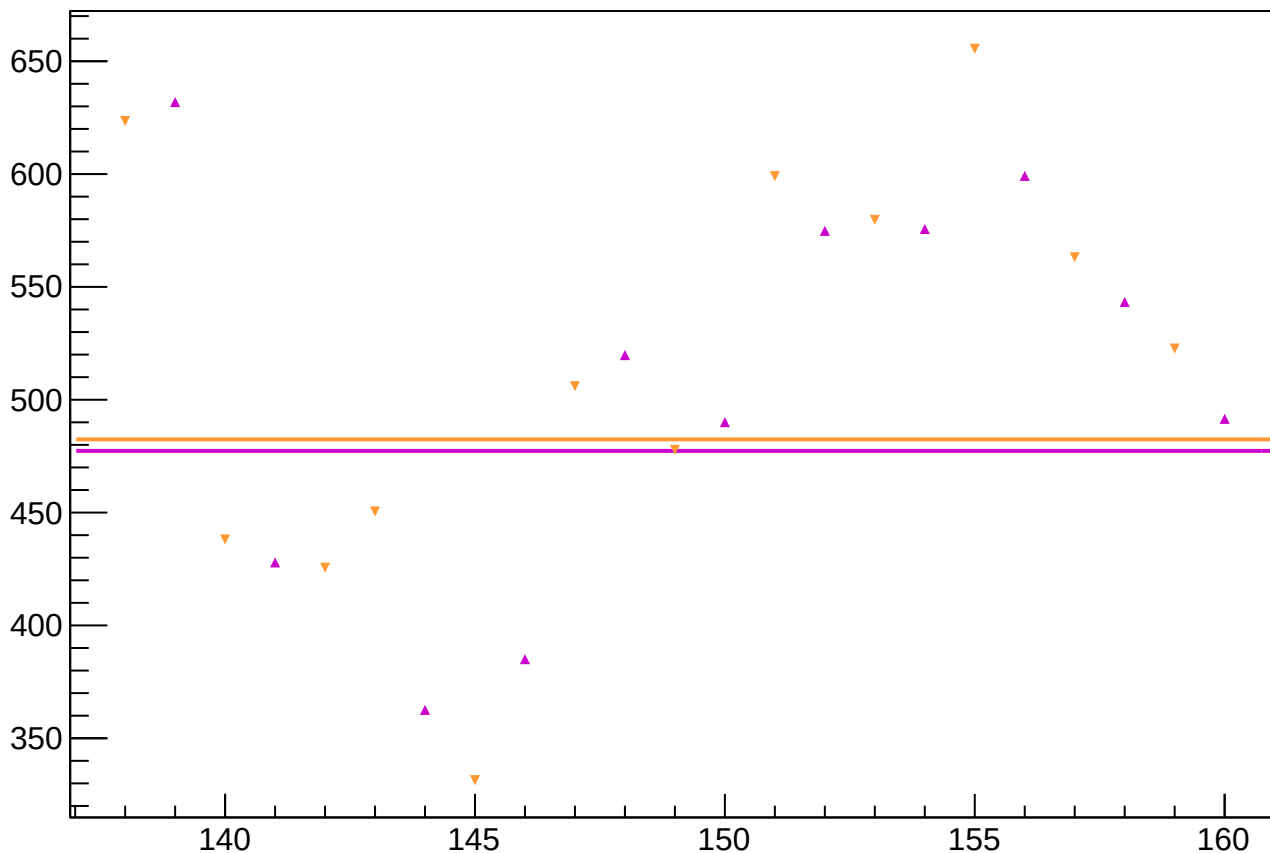
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -167.168+/-161.482 χ^2/NDF : 6.4/10

Out: 806.755+/-165.378 χ^2/NDF : 27.9/11

All: 308.185+/-115.538 χ^2/NDF : 52.0/22

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 482.451+/-0.117 χ^2/NDF : 674561.3/11

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

Left In: 477.345+/-0.114 χ^2/NDF : 578185.3/10

Left: 479.837+/-0.082 χ^2/NDF : 1253722.7/22

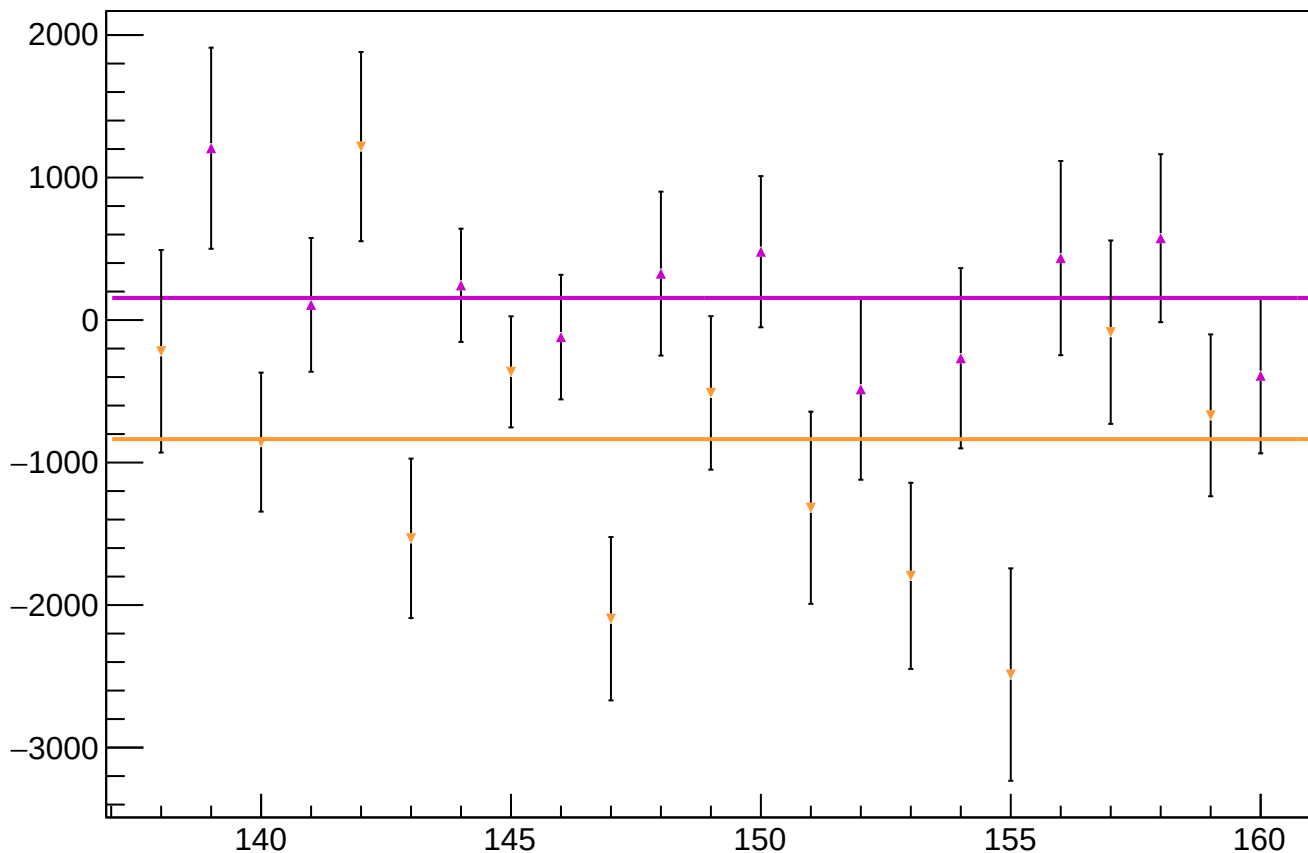
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 477.345+/-0.114 χ^2/NDF : 578185.3/10

Out: 482.451+/-0.117 χ^2/NDF : 674561.3/11

All: 479.837+/-0.082 χ^2/NDF : 1253722.7/22

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -835.561+/-165.366 χ^2/NDF :27.5/11

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

Left In: 155.212+/-162.056 χ^2/NDF :6.3/10

Left: -330.159+/-115.744 χ^2/NDF : 52.1/22

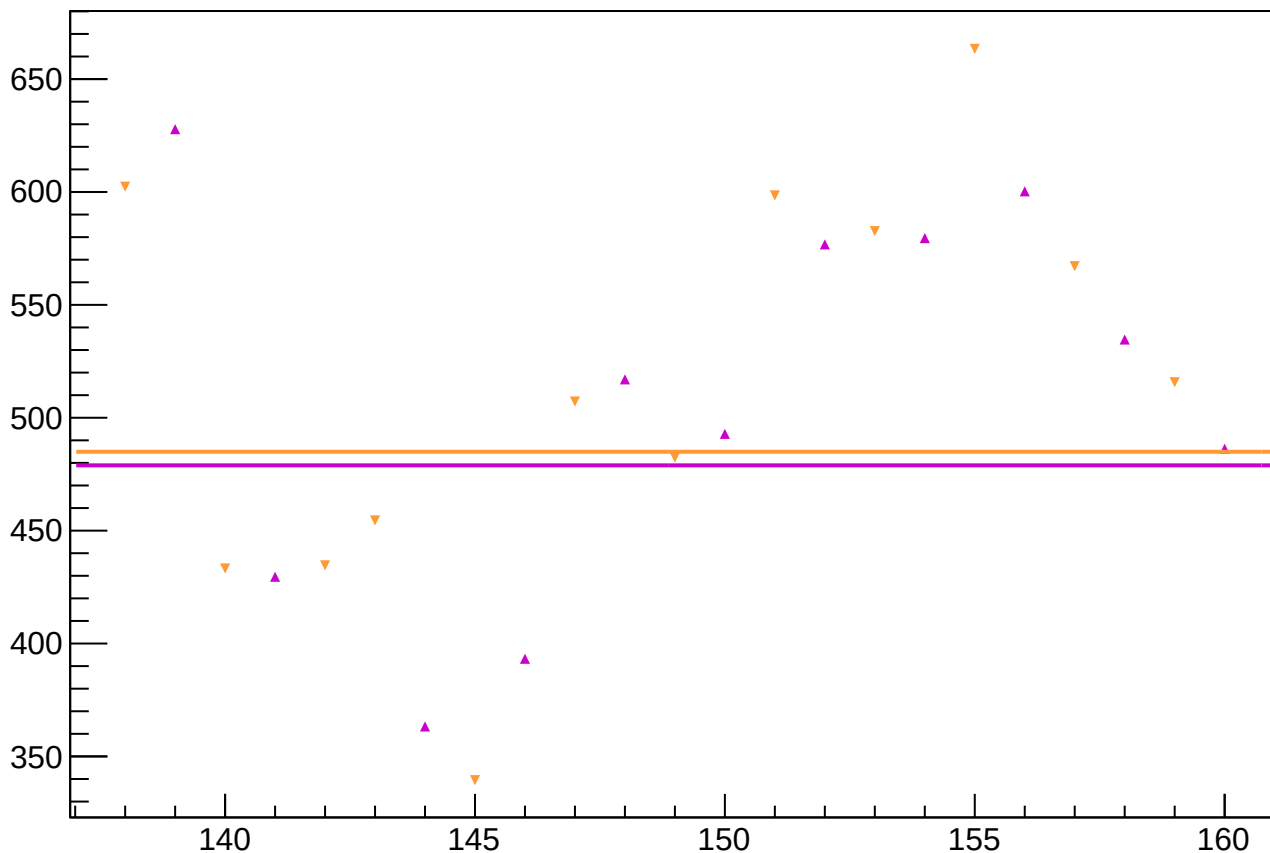
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 155.212+/-162.056 χ^2/NDF :6.3/10

Out: -835.561+/-165.366 χ^2/NDF :27.5/11

All: -330.159+/-115.744 χ^2/NDF : 52.1/22

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 484.935+/-0.117 χ^2/NDF : 630477.8/11

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

Left In: 478.923+/-0.115 χ^2/NDF : 547503.1/10

Left: 481.868+/-0.082 χ^2/NDF : 1179329.5/22

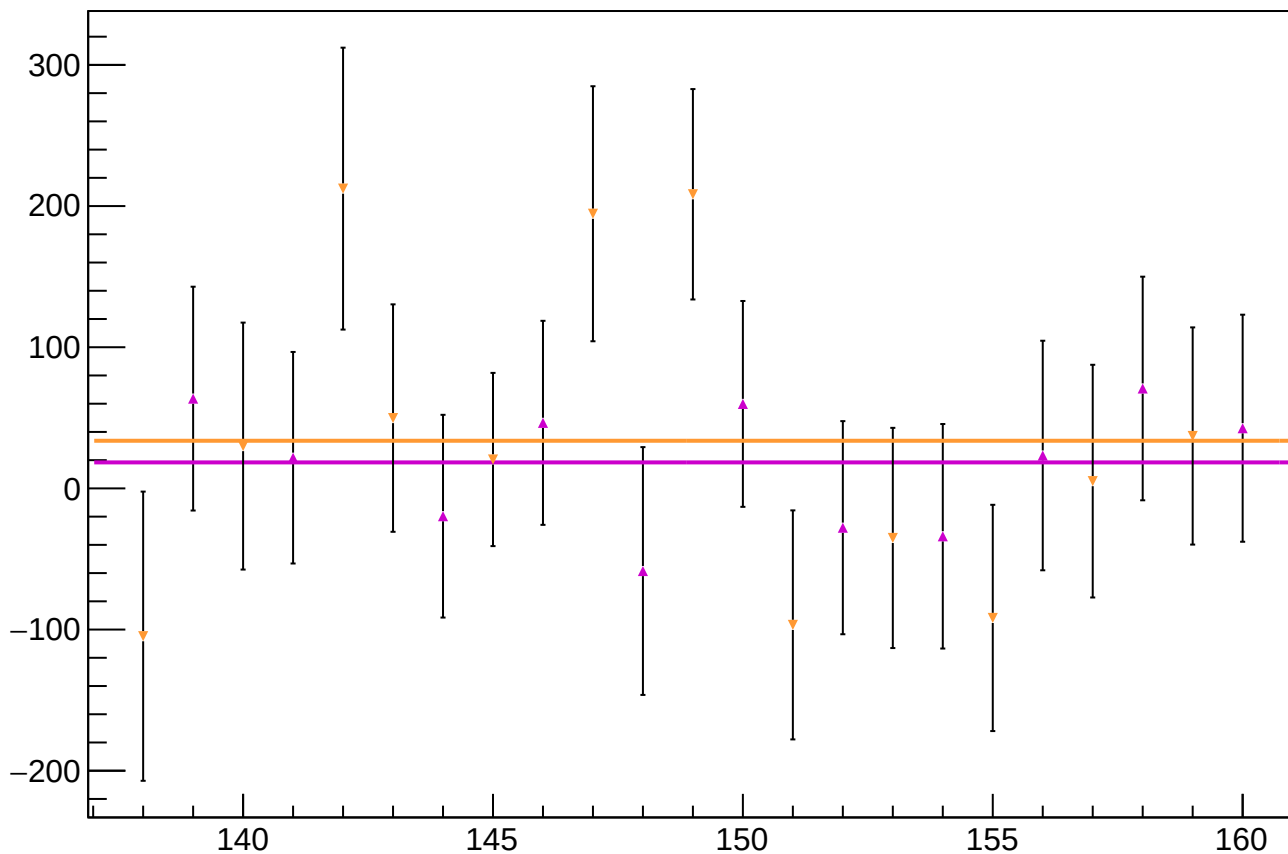
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 478.923+/-0.115 χ^2/NDF : 547503.1/10

Out: 484.935+/-0.117 χ^2/NDF : 630477.8/11

All: 481.868+/-0.082 χ^2/NDF : 1179329.5/22

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 33.748 $\pm$ 23.333 χ^2 /NDF:19.7/11

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

Left In: 18.414 $\pm$ 23.317 χ^2 /NDF:3.2/10

Left: 26.076 $\pm$ 16.493 χ^2 /NDF: 23.1/22

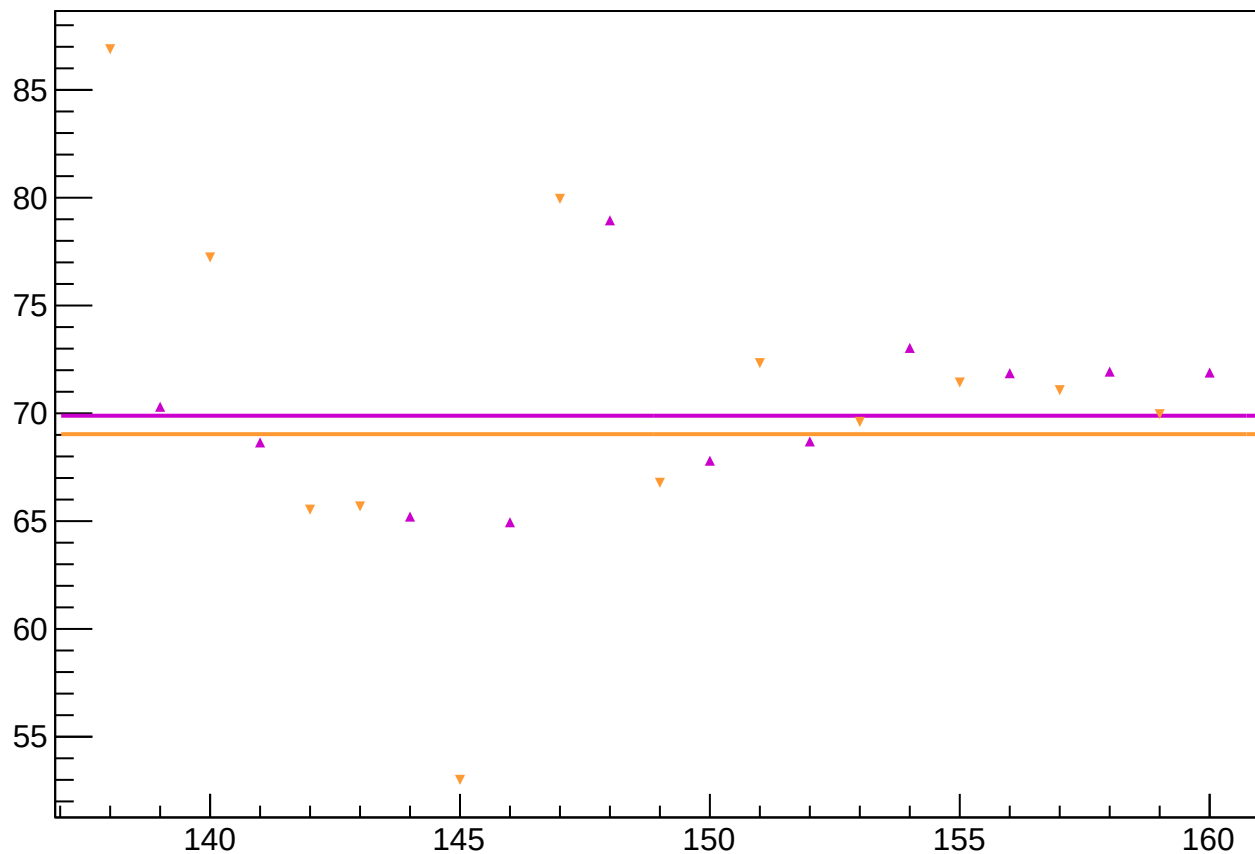
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 18.414 $\pm$ 23.317 χ^2 /NDF:3.2/10

Out: 33.748 $\pm$ 23.333 χ^2 /NDF:19.7/11

All: 26.076 $\pm$ 16.493 χ^2 /NDF: 23.1/22

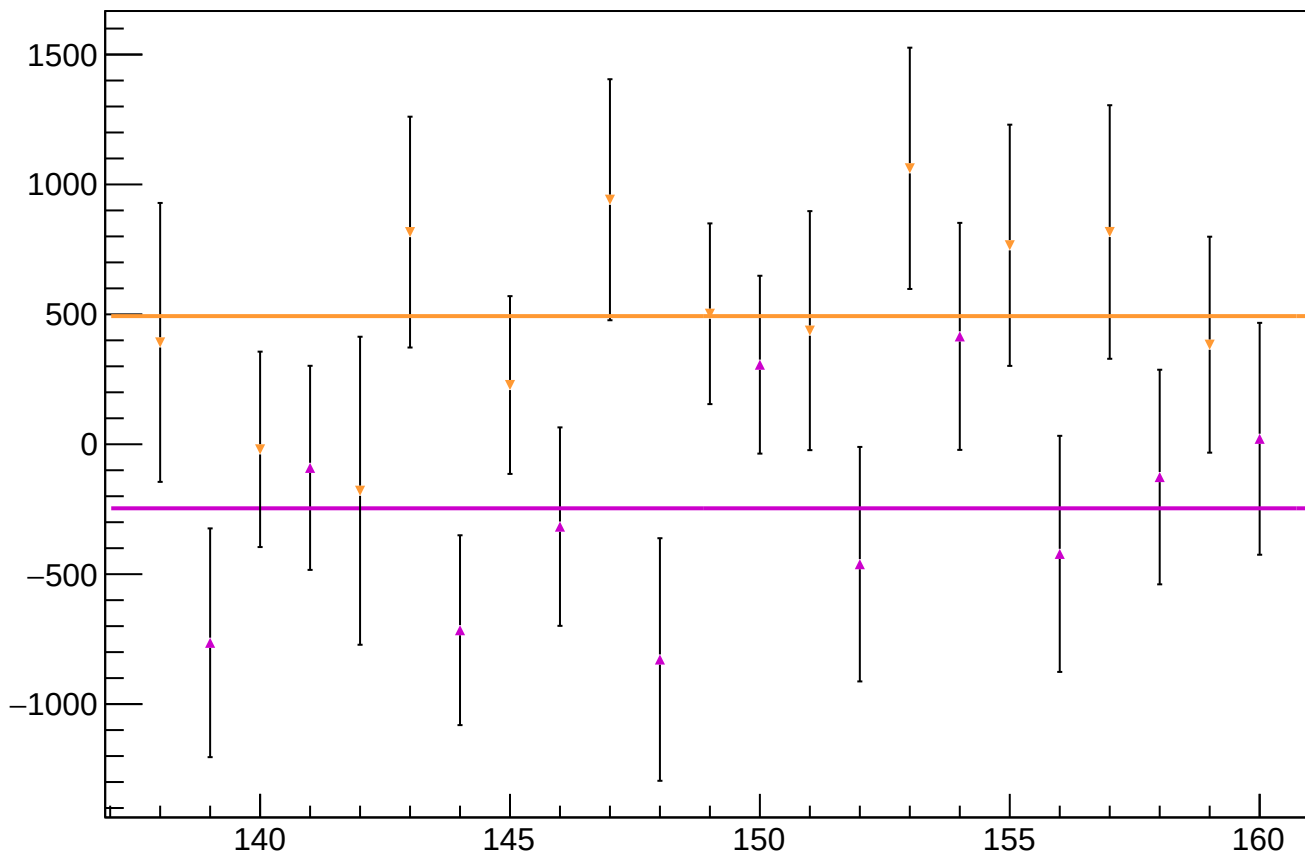
dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: 69.034+/-0.016 χ^2 /NDF:258553.4/11
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: 69.889+/-0.016 χ^2 /NDF:48767.4/10

Left: 69.462+/-0.012 χ^2 /NDF: 308664.7/22
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: 69.889+/-0.016 χ^2 /NDF:48767.4/10
 Out: 69.034+/-0.016 χ^2 /NDF:258553.4/11
 All: 69.462+/-0.012 χ^2 /NDF: 308664.7/22

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 493.247+/-125.089 χ^2/NDF : 7.6/11

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

Left In: -246.482+/-124.042 χ^2/NDF : 10.5/10

Left: 120.273+/-88.079 χ^2/NDF : 35.7/22

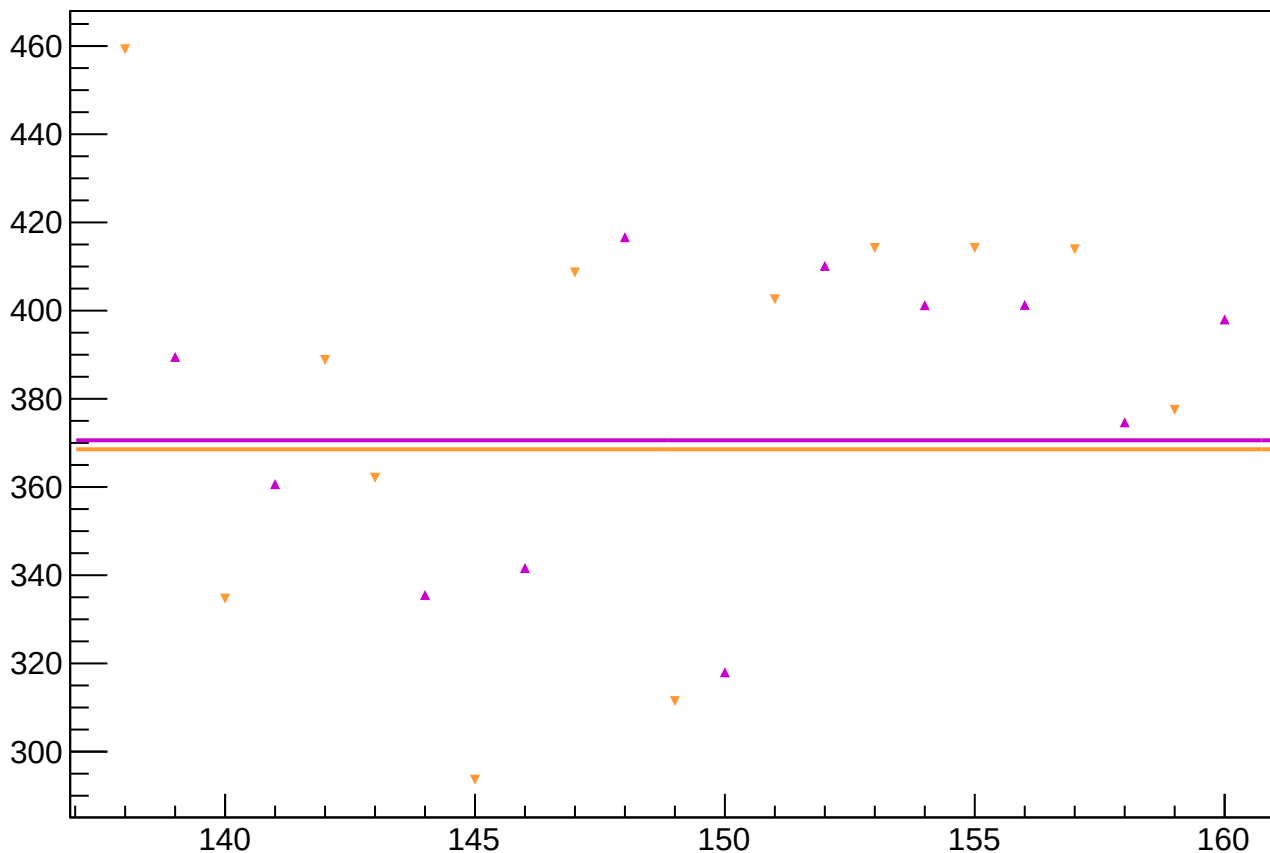
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -246.482+/-124.042 χ^2/NDF : 10.5/10

Out: 493.247+/-125.089 χ^2/NDF : 7.6/11

All: 120.273+/-88.079 χ^2/NDF : 35.7/22

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 368.558+/-0.088 χ^2/NDF :308669.5/11

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

Left In: 370.590+/-0.088 χ^2/NDF :143698.1/10

Left: 369.582+/-0.062 χ^2/NDF : 452633.6/22

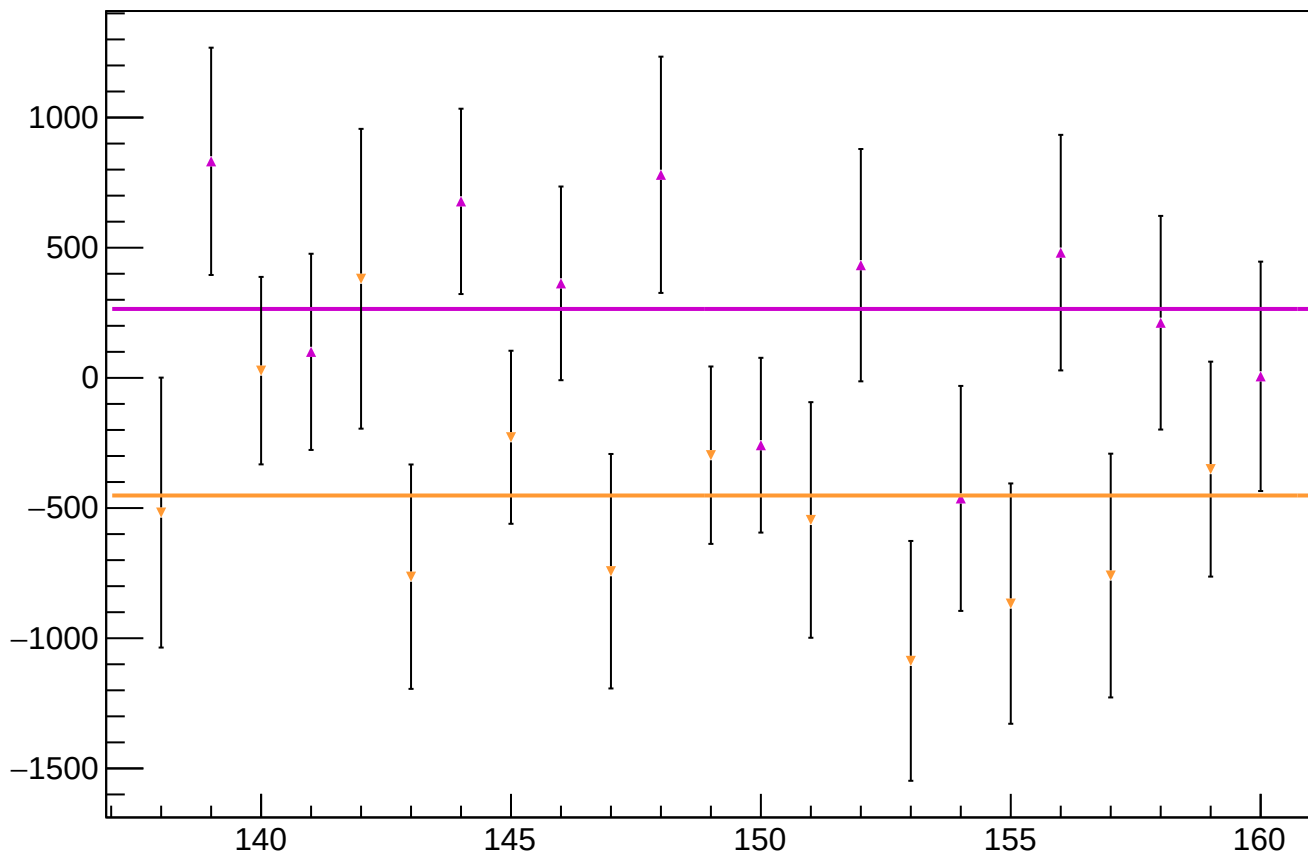
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 370.590+/-0.088 χ^2/NDF :143698.1/10

Out: 368.558+/-0.088 χ^2/NDF :308669.5/11

All: 369.582+/-0.062 χ^2/NDF : 452633.6/22

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -451.729 $\pm$ 122.024 χ^2 /NDF:8.7/11

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

Left In: 264.786 $\pm$ 121.712 χ^2 /NDF:10.6/10

Left: -92.556 $\pm$ 86.174 χ^2 /NDF: 36.6/22

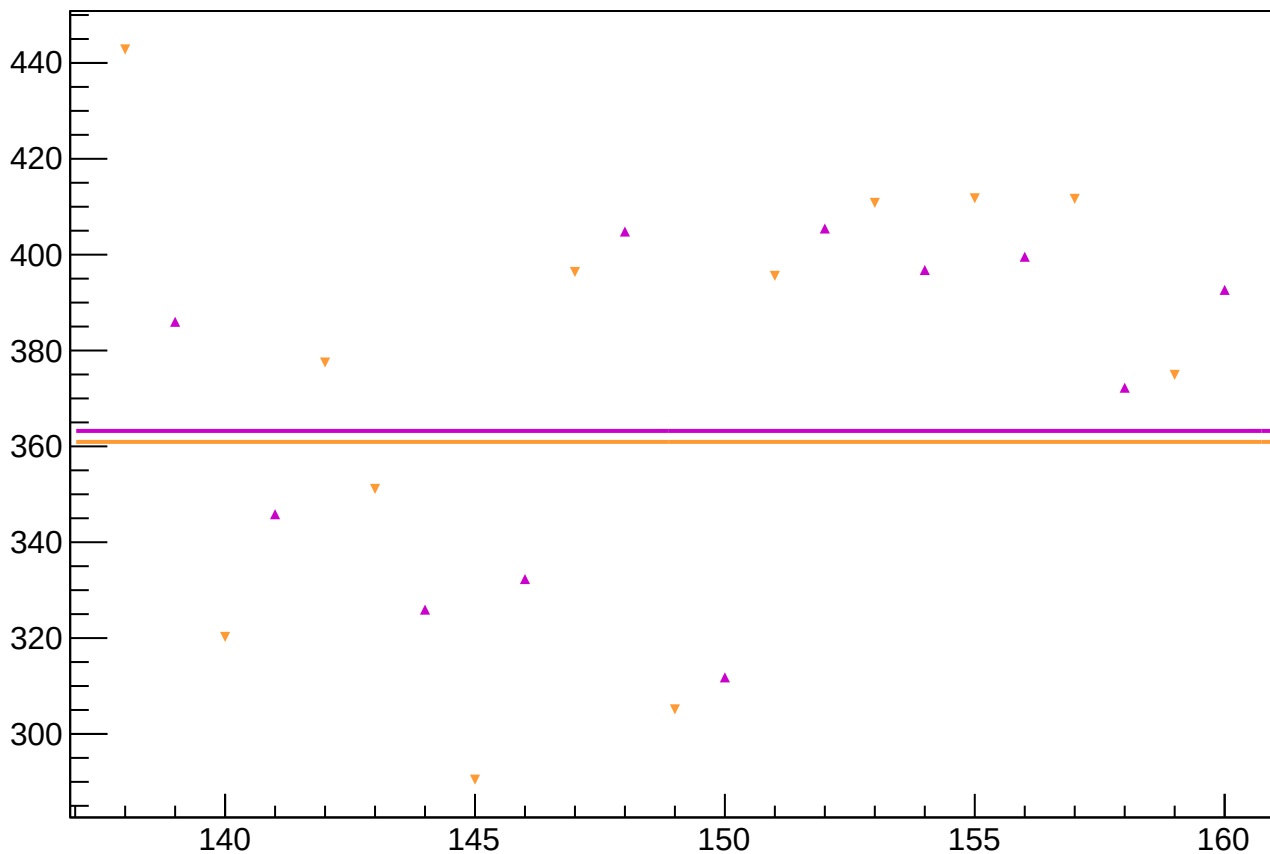
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 264.786 $\pm$ 121.712 χ^2 /NDF:10.6/10

Out: -451.729 $\pm$ 122.024 χ^2 /NDF:8.7/11

All: -92.556 $\pm$ 86.174 χ^2 /NDF: 36.6/22

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 360.934+/-0.086 χ^2/NDF :319334.4/11

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

Left In: 363.224+/-0.086 χ^2/NDF :162003.7/10

Left: 362.082+/-0.061 χ^2/NDF : 481691.0/22

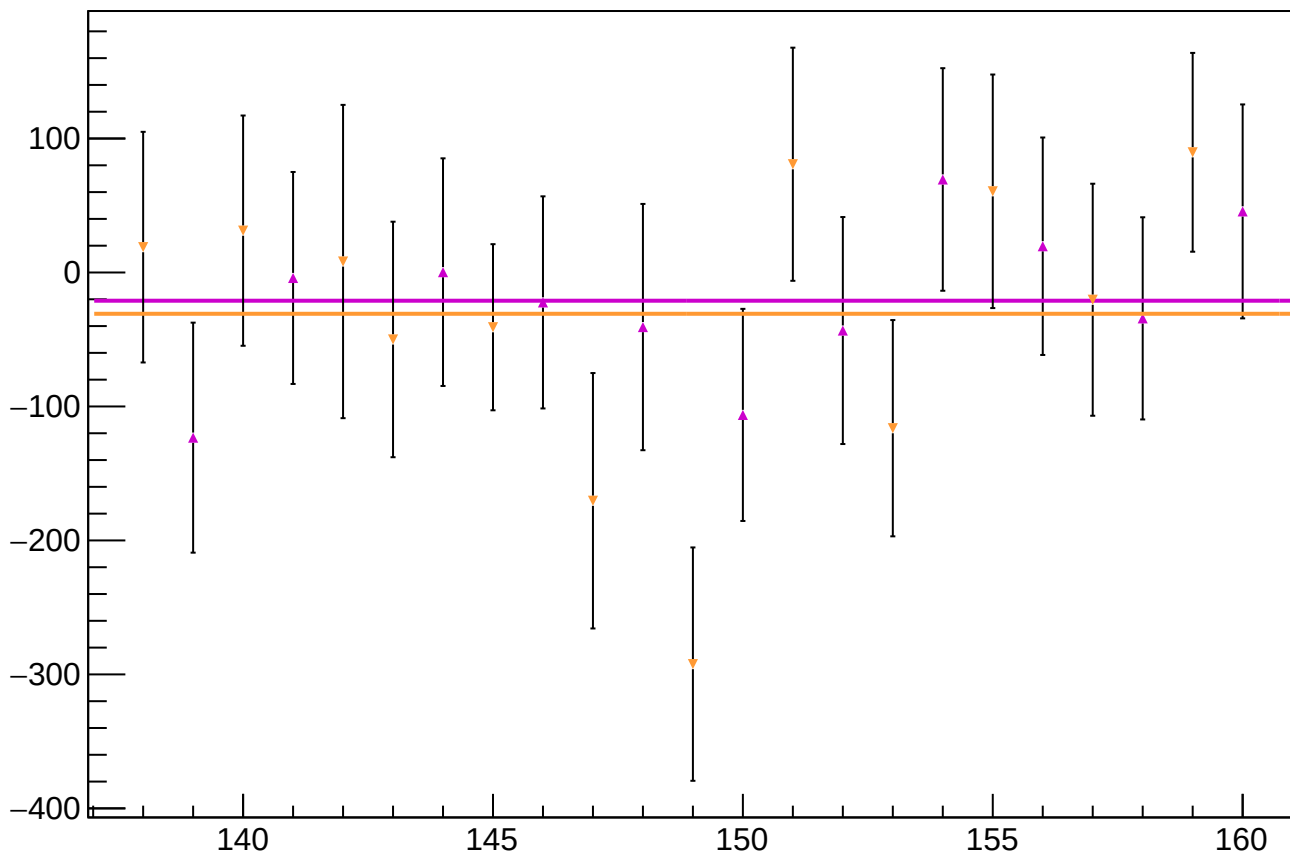
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 363.224+/-0.086 χ^2/NDF :162003.7/10

Out: 360.934+/-0.086 χ^2/NDF :319334.4/11

All: 362.082+/-0.061 χ^2/NDF : 481691.0/22

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -30.823 $\pm$ 24.203 χ^2 /NDF:18.7/11

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

Left In: -21.070 $\pm$ 24.692 χ^2 /NDF:5.0/10

Left: -26.044 $\pm$ 17.284 χ^2 /NDF: 23.8/22

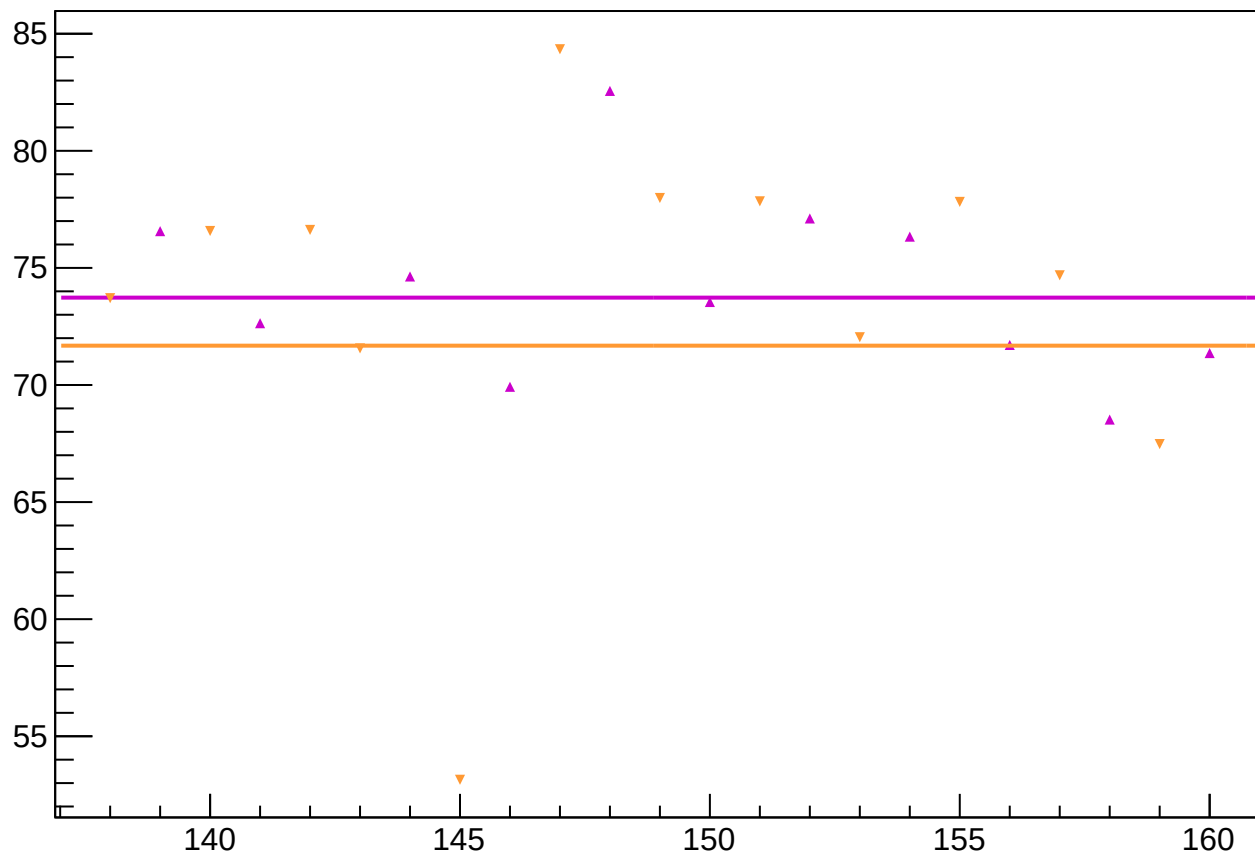
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -21.070 $\pm$ 24.692 χ^2 /NDF:5.0/10

Out: -30.823 $\pm$ 24.203 χ^2 /NDF:18.7/11

All: -26.044 $\pm$ 17.284 χ^2 /NDF: 23.8/22

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 71.680+/-0.017 χ^2/NDF :264545.6/11

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

Left In: 73.731+/-0.017 χ^2/NDF :43556.3/10

Left: 72.685+/-0.012 χ^2/NDF : 315140.5/22

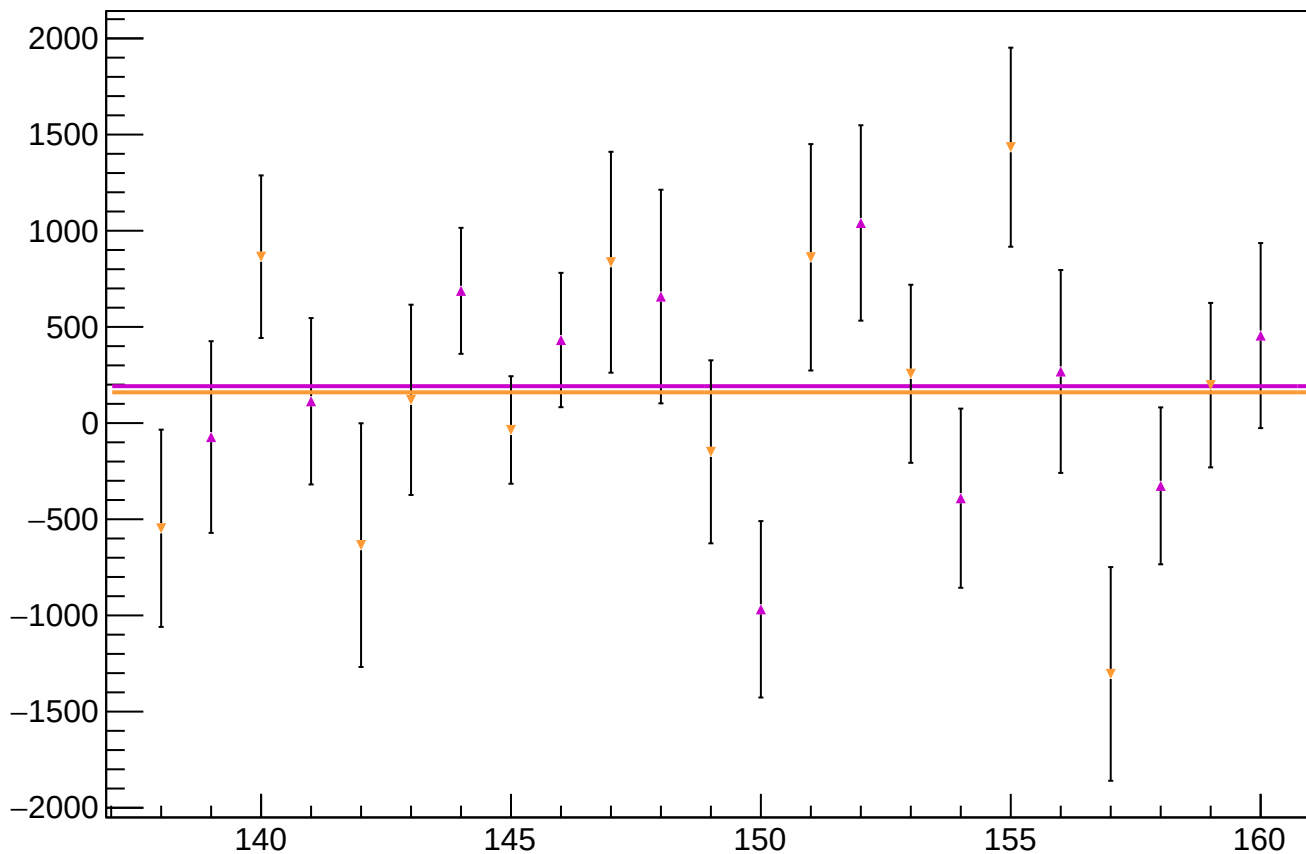
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 73.731+/-0.017 χ^2/NDF :43556.3/10

Out: 71.680+/-0.017 χ^2/NDF :264545.6/11

All: 72.685+/-0.012 χ^2/NDF : 315140.5/22

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 159.831+/-133.361 χ^2/NDF :23.0/11

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

Left In: 191.908+/-132.097 χ^2/NDF :16.5/10

Left: 176.022+/-93.850 χ^2/NDF : 39.5/22

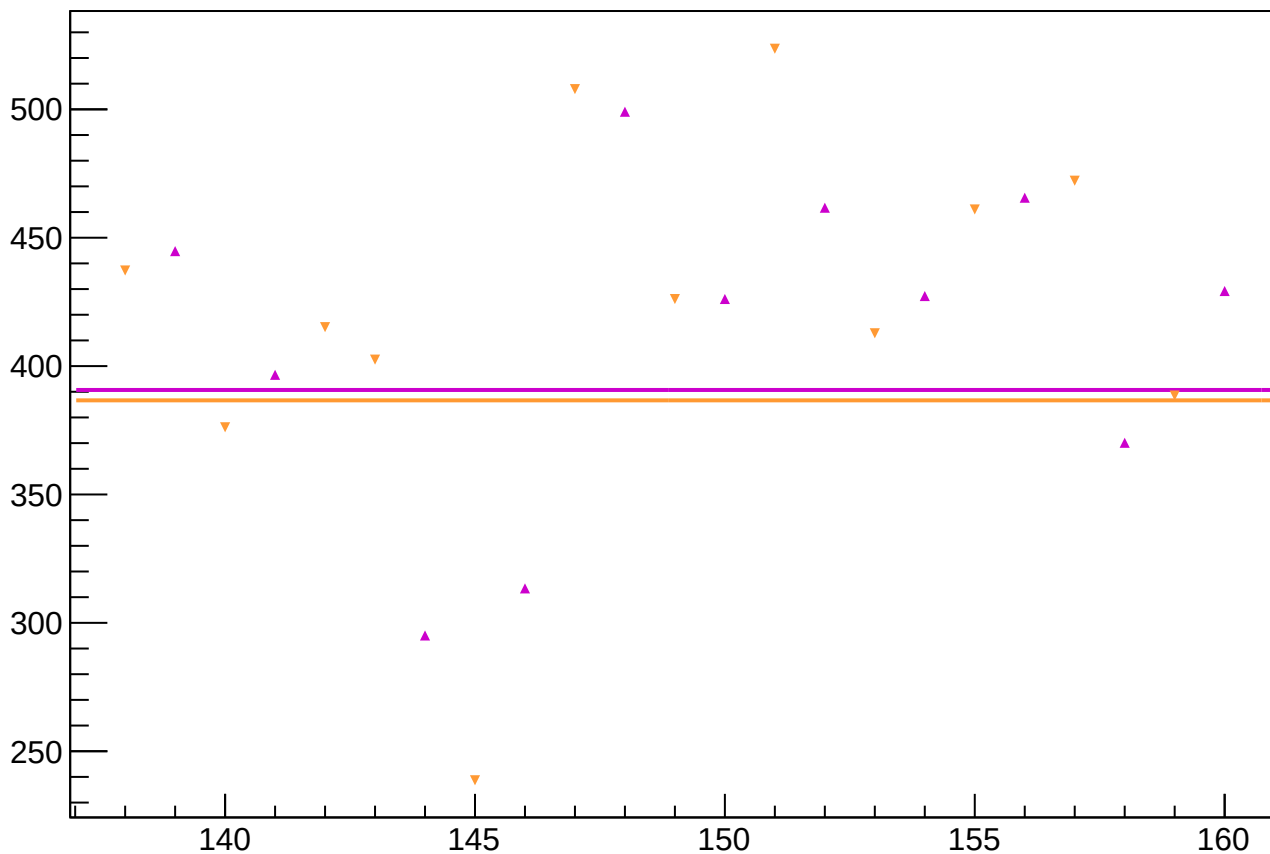
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 191.908+/-132.097 χ^2/NDF :16.5/10

Out: 159.831+/-133.361 χ^2/NDF :23.0/11

All: 176.022+/-93.850 χ^2/NDF : 39.5/22

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 386.661+/-0.094 χ^2/NDF : 893491.0/11

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

Left In: 390.705+/-0.093 χ^2/NDF : 490118.2/10

Left: 388.702+/-0.066 χ^2/NDF : 1384537.5/22

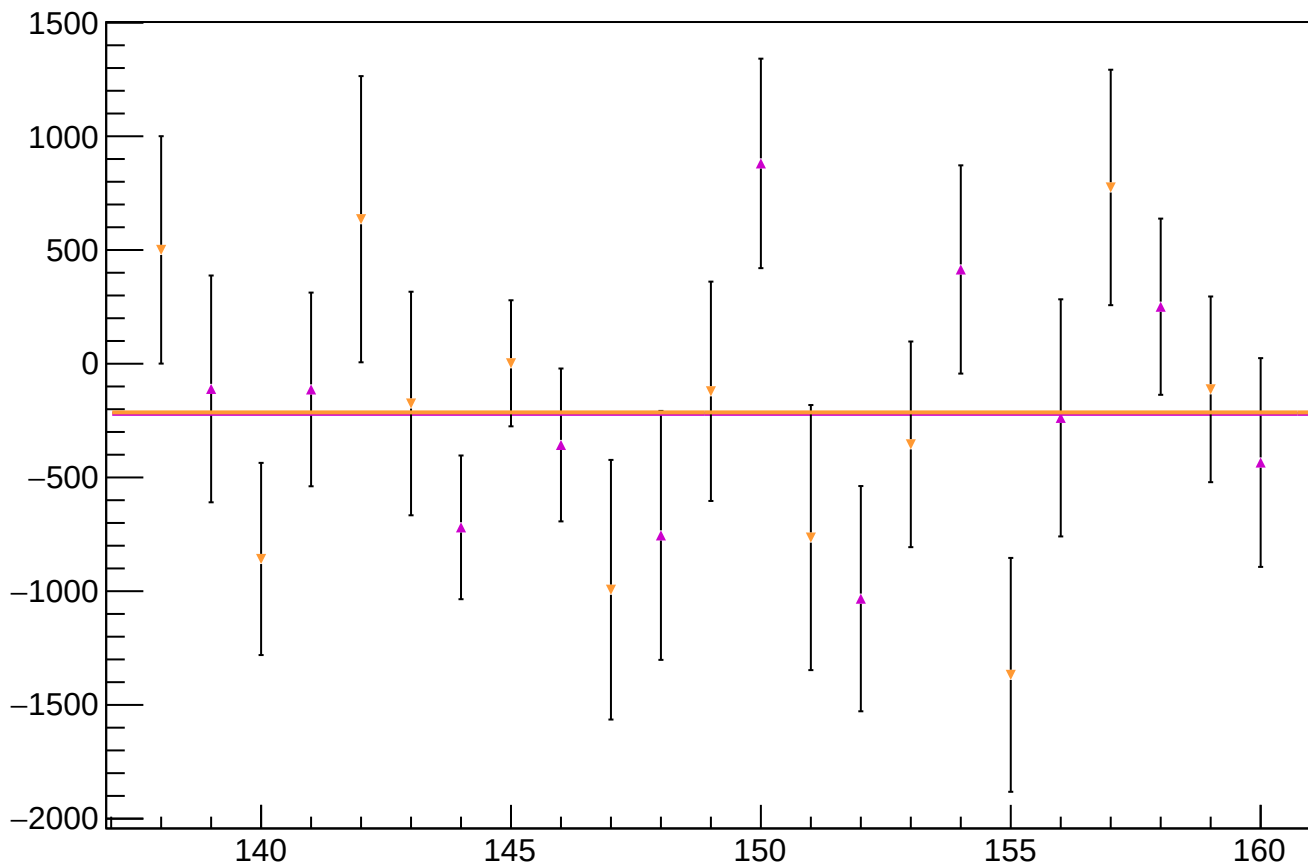
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 390.705+/-0.093 χ^2/NDF : 490118.2/10

Out: 386.661+/-0.094 χ^2/NDF : 893491.0/11

All: 388.702+/-0.066 χ^2/NDF : 1384537.5/22

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -213.963+/-131.280 χ^2/NDF :18.4/11

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

Left In: -220.295+/-128.650 χ^2/NDF :15.8/10

Left: -217.193+/-91.885 χ^2/NDF : 34.2/22

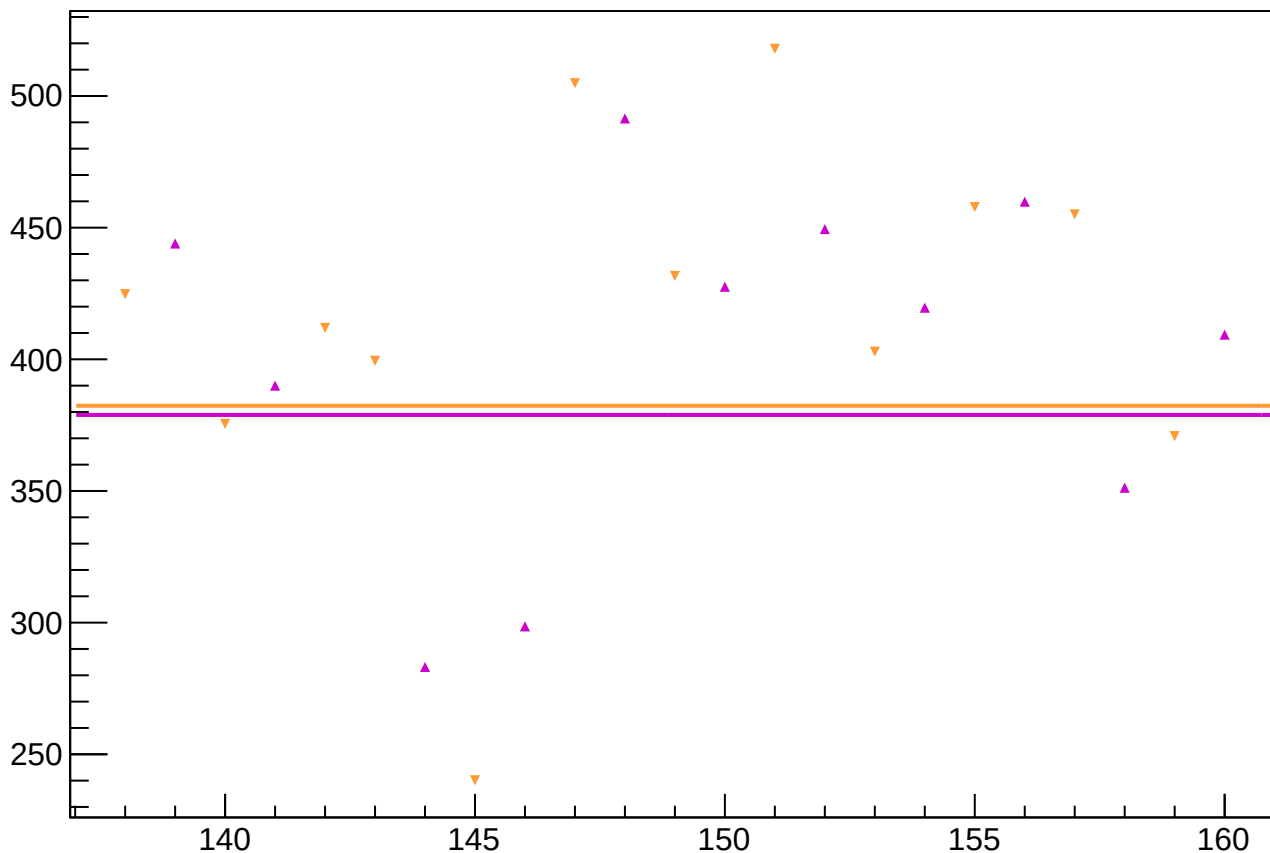
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -220.295+/-128.650 χ^2/NDF :15.8/10

Out: -213.963+/-131.280 χ^2/NDF :18.4/11

All: -217.193+/-91.885 χ^2/NDF : 34.2/22

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 382.366+/-0.093 χ^2/NDF :858208.6/11

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

Left In: 378.874+/-0.091 χ^2/NDF :564133.2/10

Left: 380.584+/-0.065 χ^2/NDF : 1423063.7/22

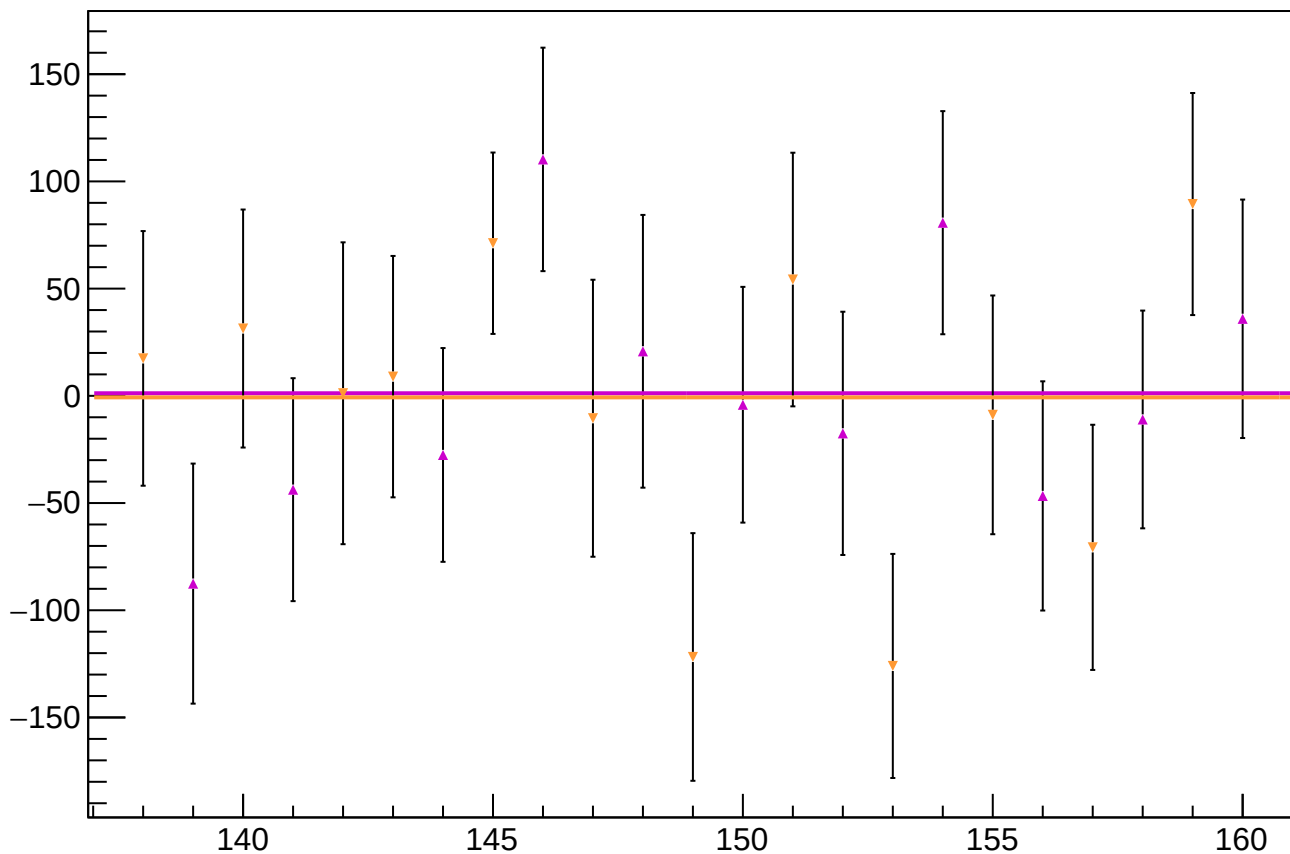
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 378.874+/-0.091 χ^2/NDF :564133.2/10

Out: 382.366+/-0.093 χ^2/NDF :858208.6/11

All: 380.584+/-0.065 χ^2/NDF : 1423063.7/22

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -0.721+/-16.058 χ^2/NDF :18.9/11

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

Left In: 1.196+/-16.266 χ^2/NDF :11.8/10

Left: 0.225+/-11.428 χ^2/NDF : 30.7/22

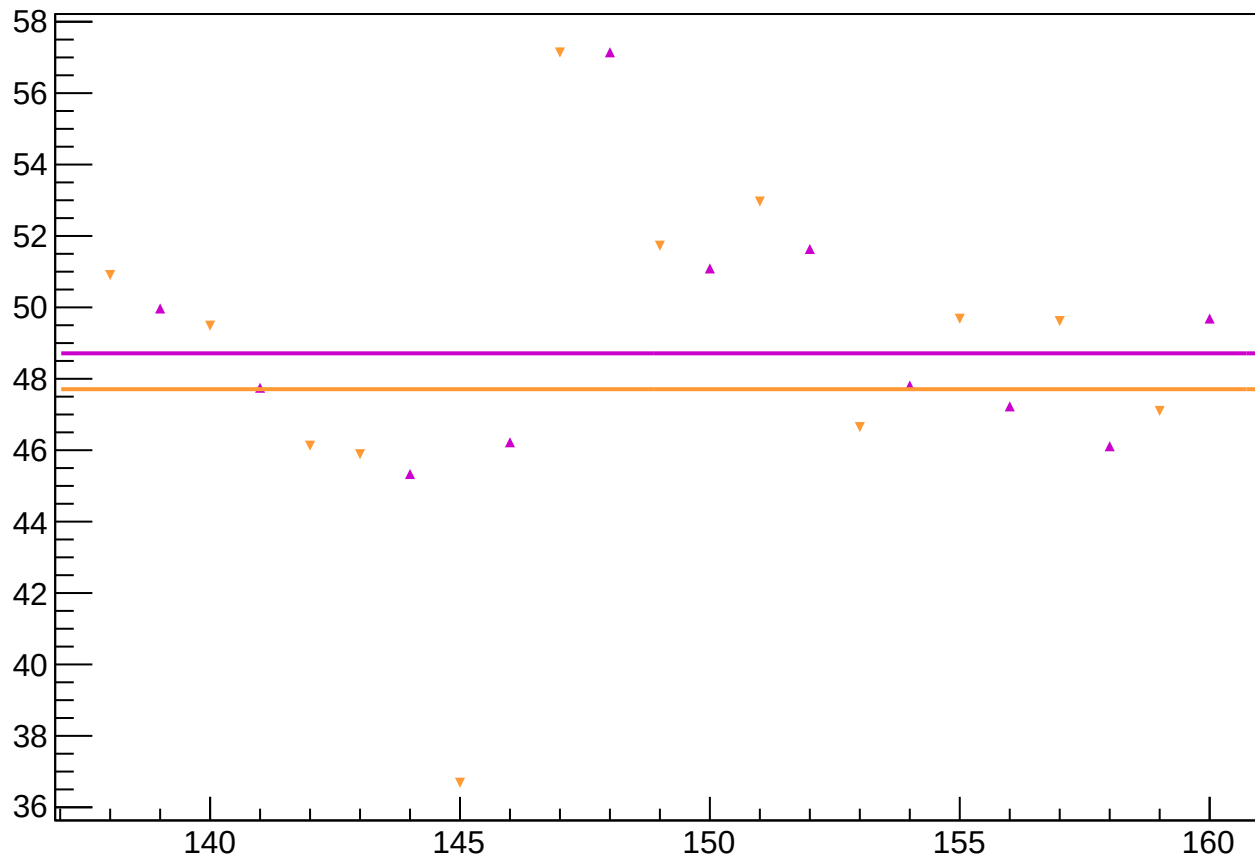
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1.196+/-16.266 χ^2/NDF :11.8/10

Out: -0.721+/-16.058 χ^2/NDF :18.9/11

All: 0.225+/-11.428 χ^2/NDF : 30.7/22

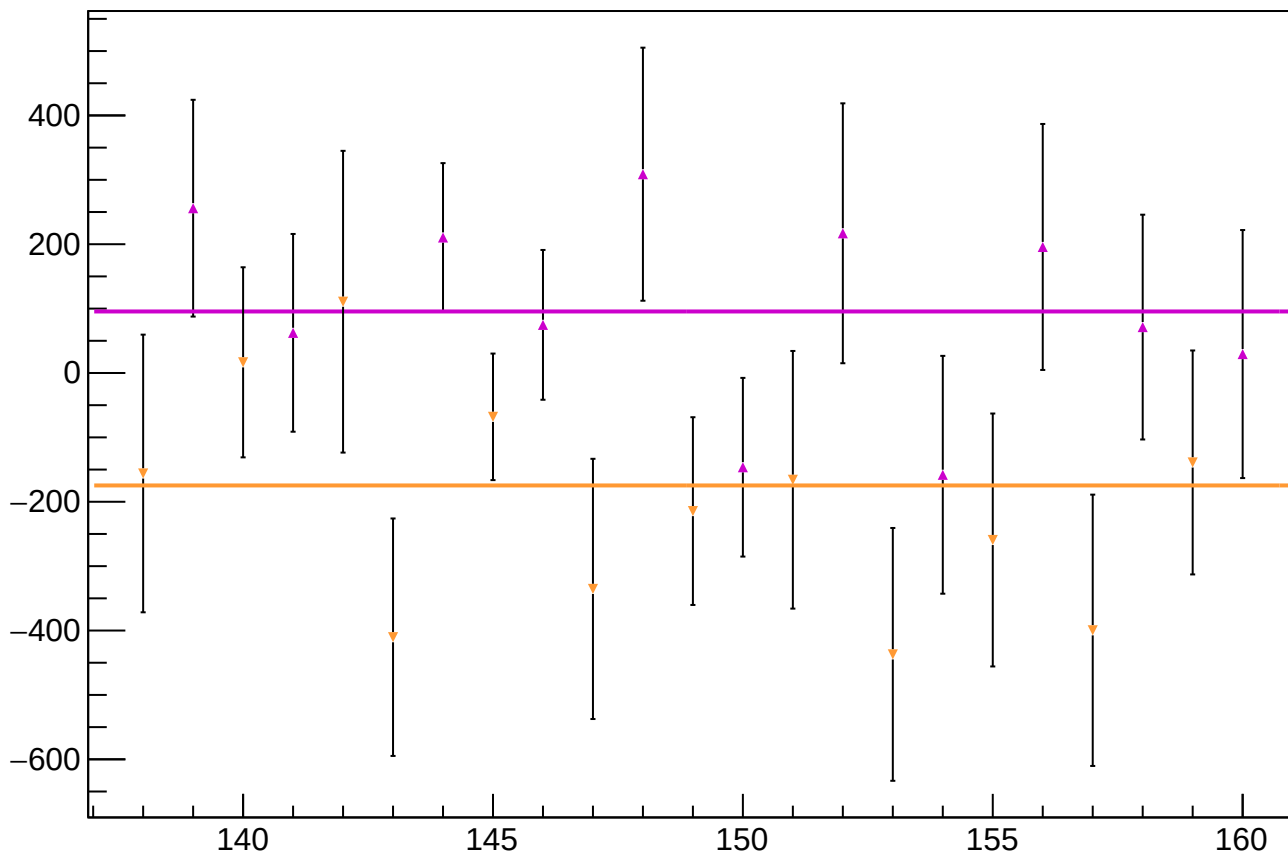
dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 47.709+/-0.011 χ^2/NDF :220709.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 48.713+/-0.012 χ^2/NDF :67660.6/10

Left: 48.205+/-0.008 χ^2/NDF : 292231.1/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 48.713+/-0.012 χ^2/NDF :67660.6/10
 Out: 47.709+/-0.011 χ^2/NDF :220709.0/11
 All: 48.205+/-0.008 χ^2/NDF : 292231.1/22

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -174.658+/-48.646 χ^2/NDF : 9.8/11

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

Left In: 95.550+/-47.380 χ^2/NDF : 8.9/10

Left: -35.992+/-33.942 χ^2/NDF : 34.5/22

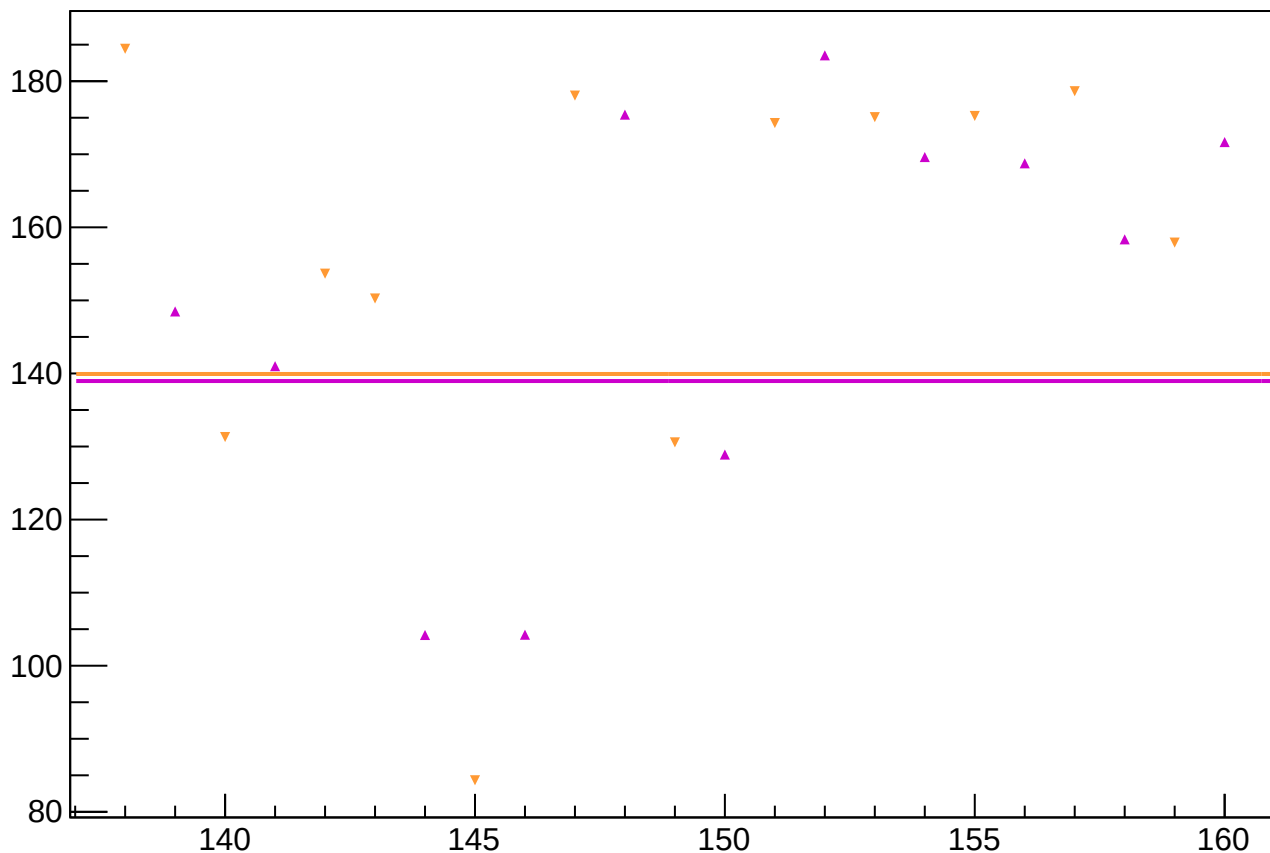
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 95.550+/-47.380 χ^2/NDF : 8.9/10

Out: -174.658+/-48.646 χ^2/NDF : 9.8/11

All: -35.992+/-33.942 χ^2/NDF : 34.5/22

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 139.928+/-0.034 χ^2/NDF :1101694.6/11

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

Left In: 138.963+/-0.034 χ^2/NDF :729158.9/10

Left: 139.433+/-0.024 χ^2/NDF : 1831257.1/22

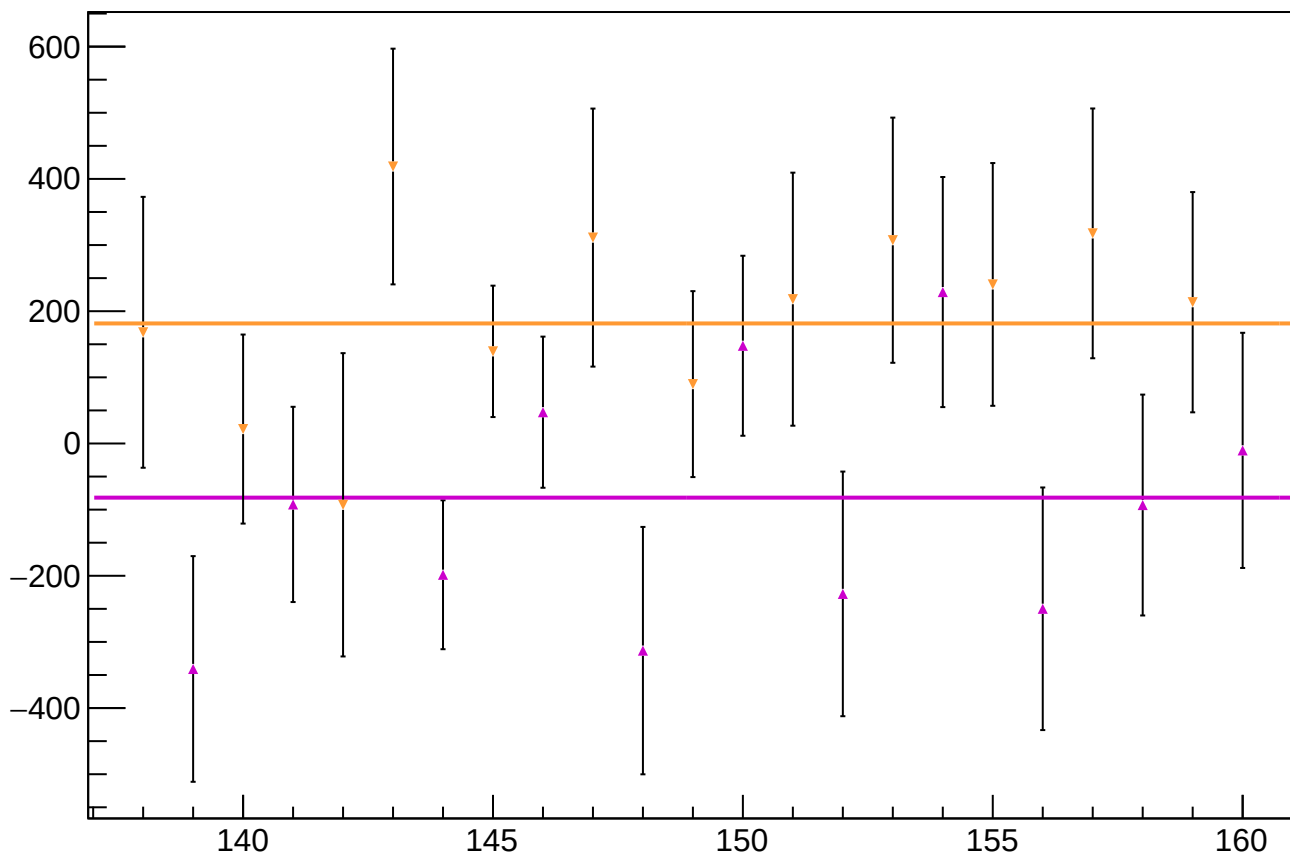
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 138.963+/-0.034 χ^2/NDF :729158.9/10

Out: 139.928+/-0.034 χ^2/NDF :1101694.6/11

All: 139.433+/-0.024 χ^2/NDF : 1831257.1/22

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 181.498+/-47.043 χ^2/NDF :6.7/11

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

Left In: -81.872+/-45.740 χ^2/NDF :13.9/10

Left: 46.117+/-32.794 χ^2/NDF : 36.6/22

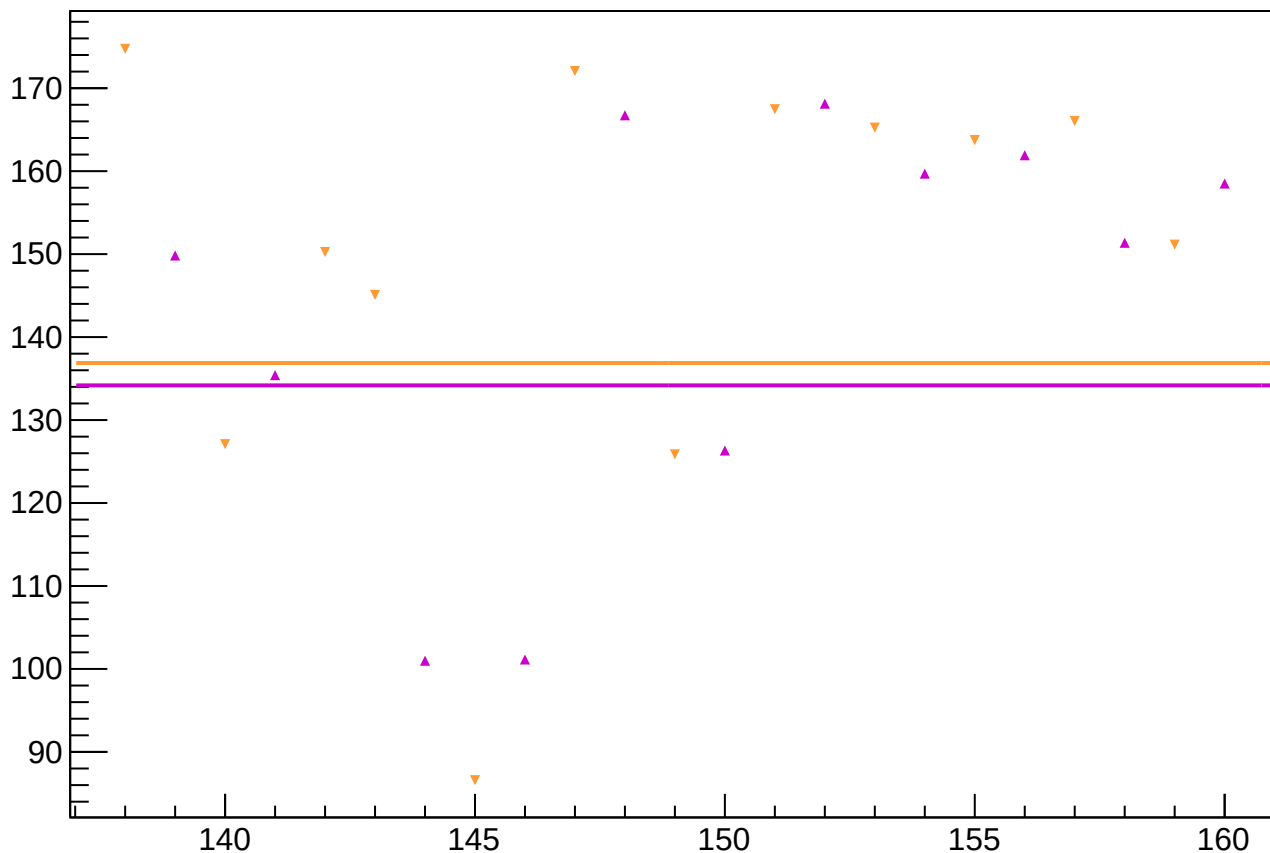
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -81.872+/-45.740 χ^2/NDF :13.9/10

Out: 181.498+/-47.043 χ^2/NDF :6.7/11

All: 46.117+/-32.794 χ^2/NDF : 36.6/22

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 136.874+/-0.033 χ^2/NDF : 882081.0/11

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

Left In: 134.177+/-0.032 χ^2/NDF : 640299.1/10

Left: 135.488+/-0.023 χ^2/NDF : 1525758.9/22

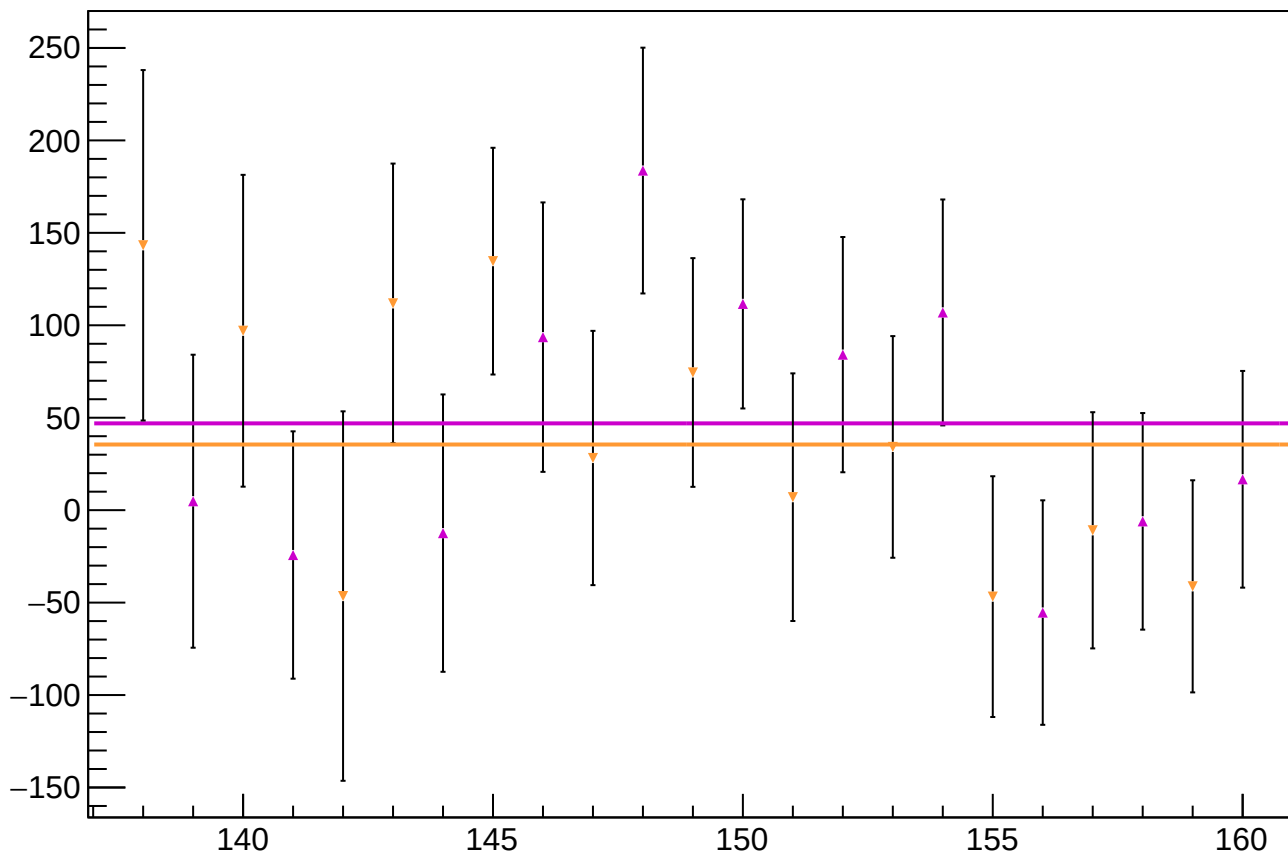
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 134.177+/-0.032 χ^2/NDF : 640299.1/10

Out: 136.874+/-0.033 χ^2/NDF : 882081.0/11

All: 135.488+/-0.023 χ^2/NDF : 1525758.9/22

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 35.512 $\pm$ 19.796 χ^2 /NDF:10.6/11

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

Left In: 46.946 $\pm$ 19.403 χ^2 /NDF:13.2/10

Left: 41.344 $\pm$ 13.857 χ^2 /NDF: 24.0/22

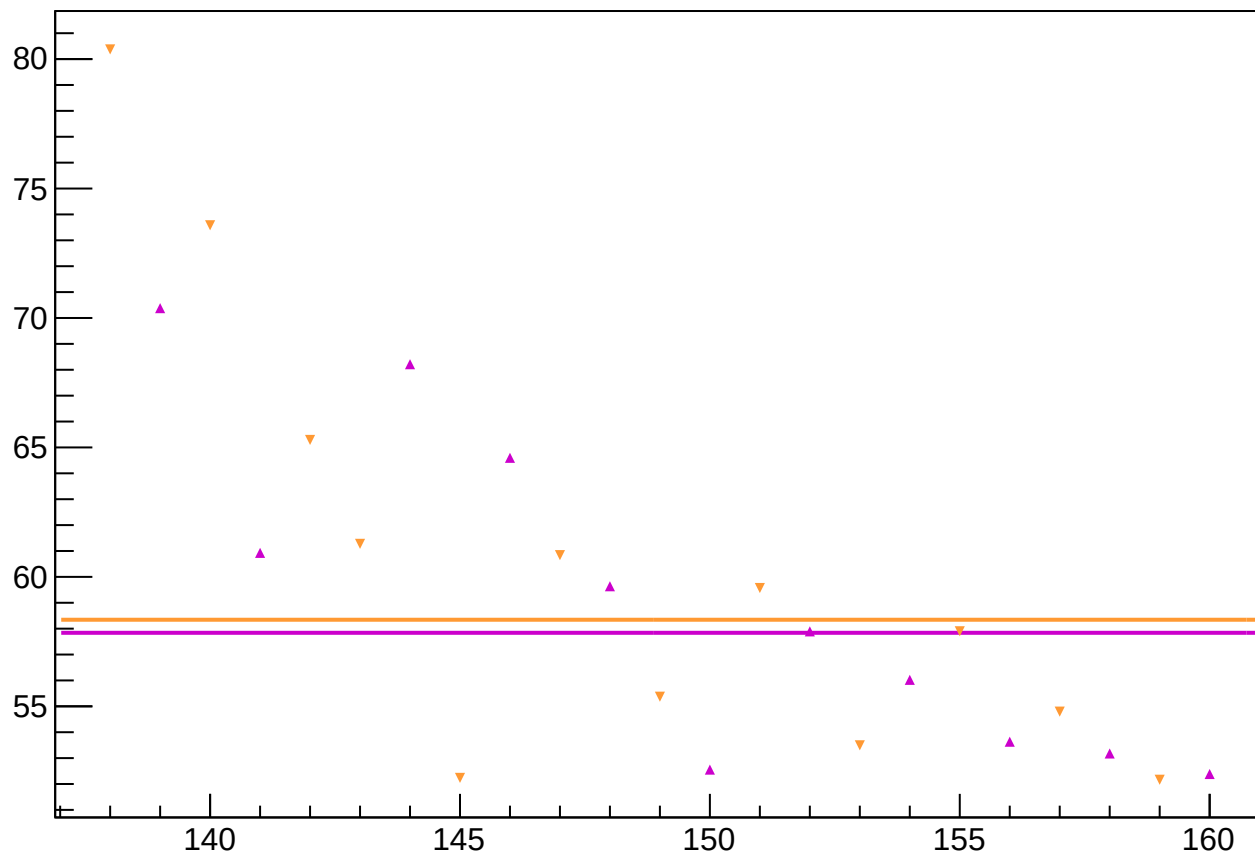
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 46.946 $\pm$ 19.403 χ^2 /NDF:13.2/10

Out: 35.512 $\pm$ 19.796 χ^2 /NDF:10.6/11

All: 41.344 $\pm$ 13.857 χ^2 /NDF: 24.0/22

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 58.344+/-0.014 χ^2/NDF :256375.2/11

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

Left In: 57.840+/-0.014 χ^2/NDF :170089.3/10

Left: 58.087+/-0.010 χ^2/NDF : 427127.3/22

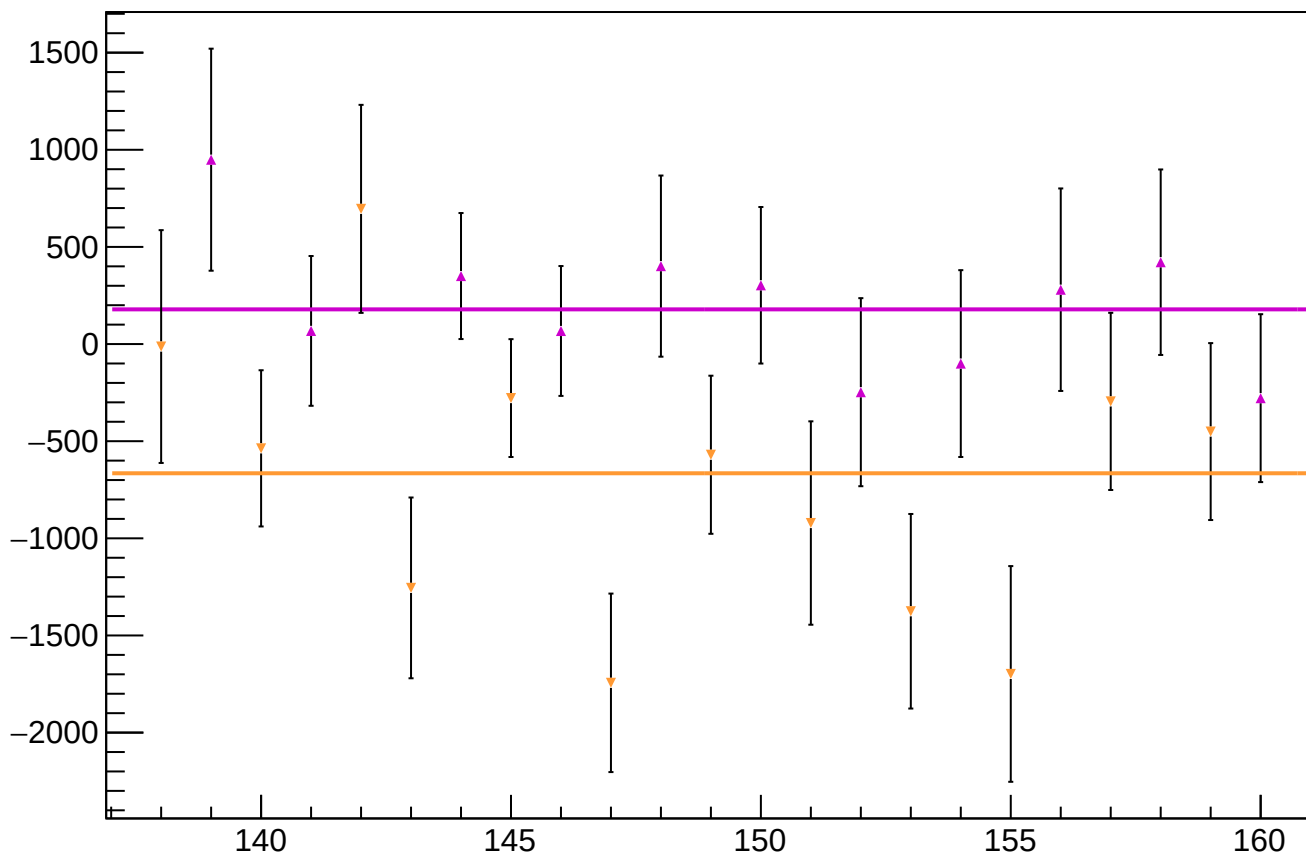
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.840+/-0.014 χ^2/NDF :170089.3/10

Out: 58.344+/-0.014 χ^2/NDF :256375.2/11

All: 58.087+/-0.010 χ^2/NDF : 427127.3/22

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -665.118+/-129.922 χ^2/NDF :23.1/11

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

Left In: 178.572+/-128.005 χ^2/NDF :5.1/10

Left: -237.003+/-91.183 χ^2/NDF : 49.7/22

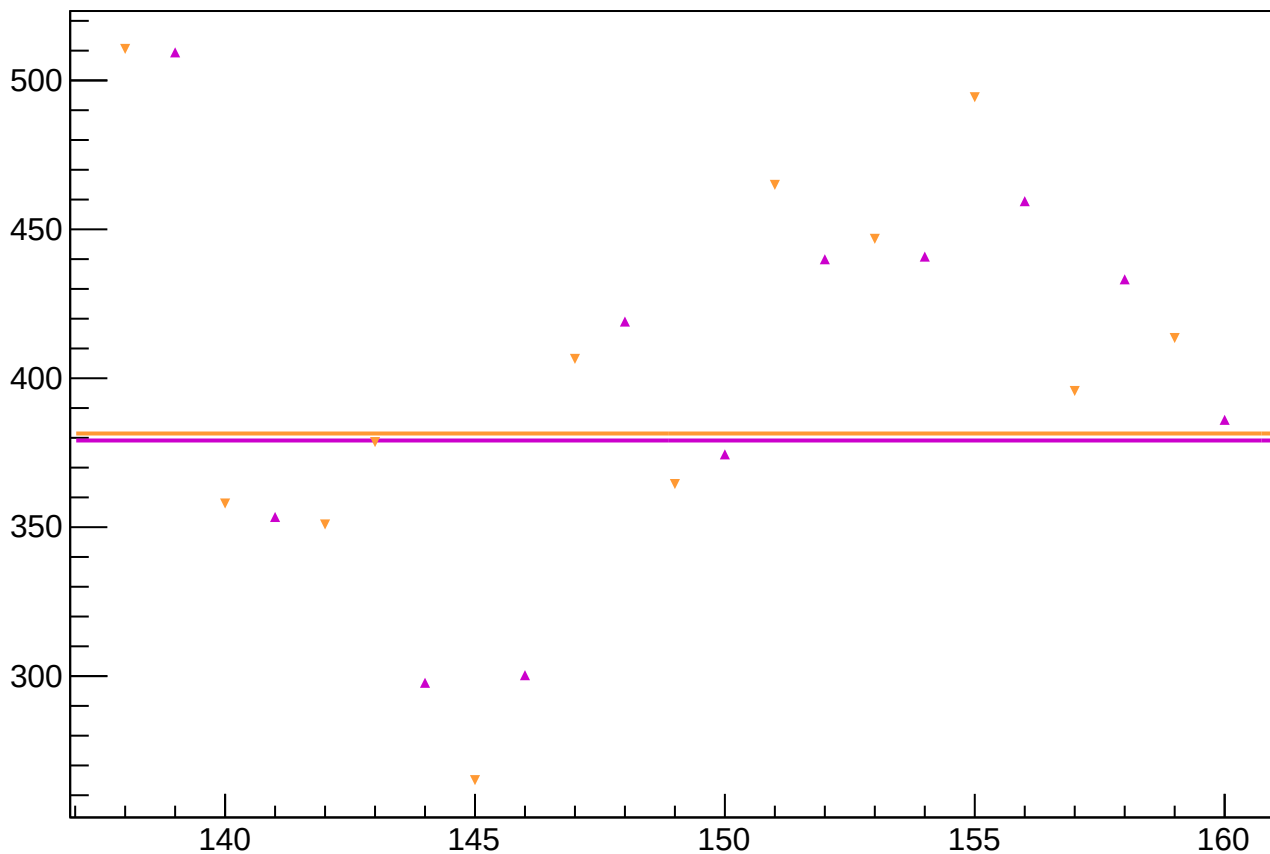
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 178.572+/-128.005 χ^2/NDF :5.1/10

Out: -665.118+/-129.922 χ^2/NDF :23.1/11

All: -237.003+/-91.183 χ^2/NDF : 49.7/22

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 381.454+/-0.092 χ^2/NDF :589748.4/11

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

Left In: 379.107+/-0.091 χ^2/NDF :503135.8/10

Left: 380.263+/-0.064 χ^2/NDF : 1093215.2/22

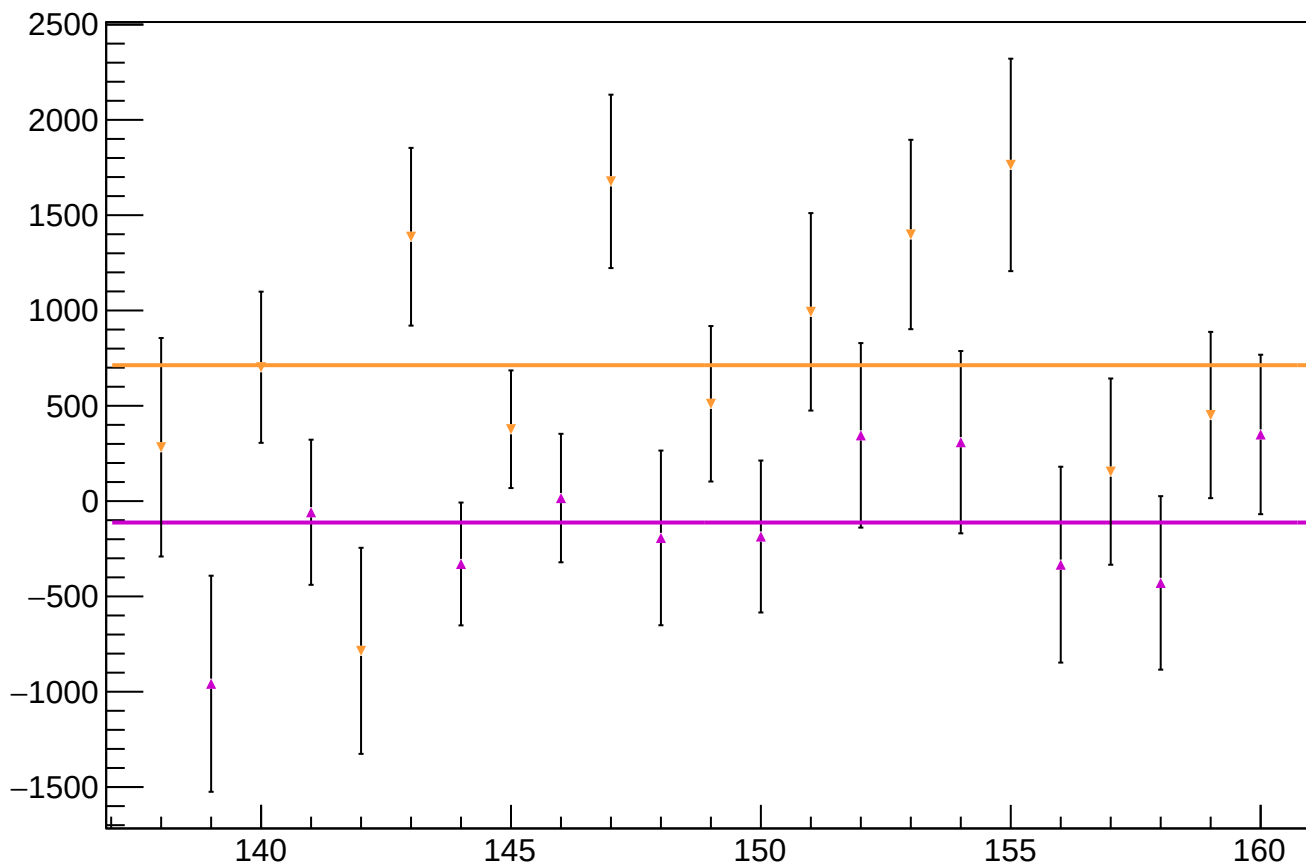
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 379.107+/-0.091 χ^2/NDF :503135.8/10

Out: 381.454+/-0.092 χ^2/NDF :589748.4/11

All: 380.263+/-0.064 χ^2/NDF : 1093215.2/22

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 713.006+/-129.945 χ^2/NDF : 23.7/11

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

Left In: -112.391+/-126.502 χ^2/NDF : 6.5/10

Left: 289.225+/-90.643 χ^2/NDF : 50.9/22

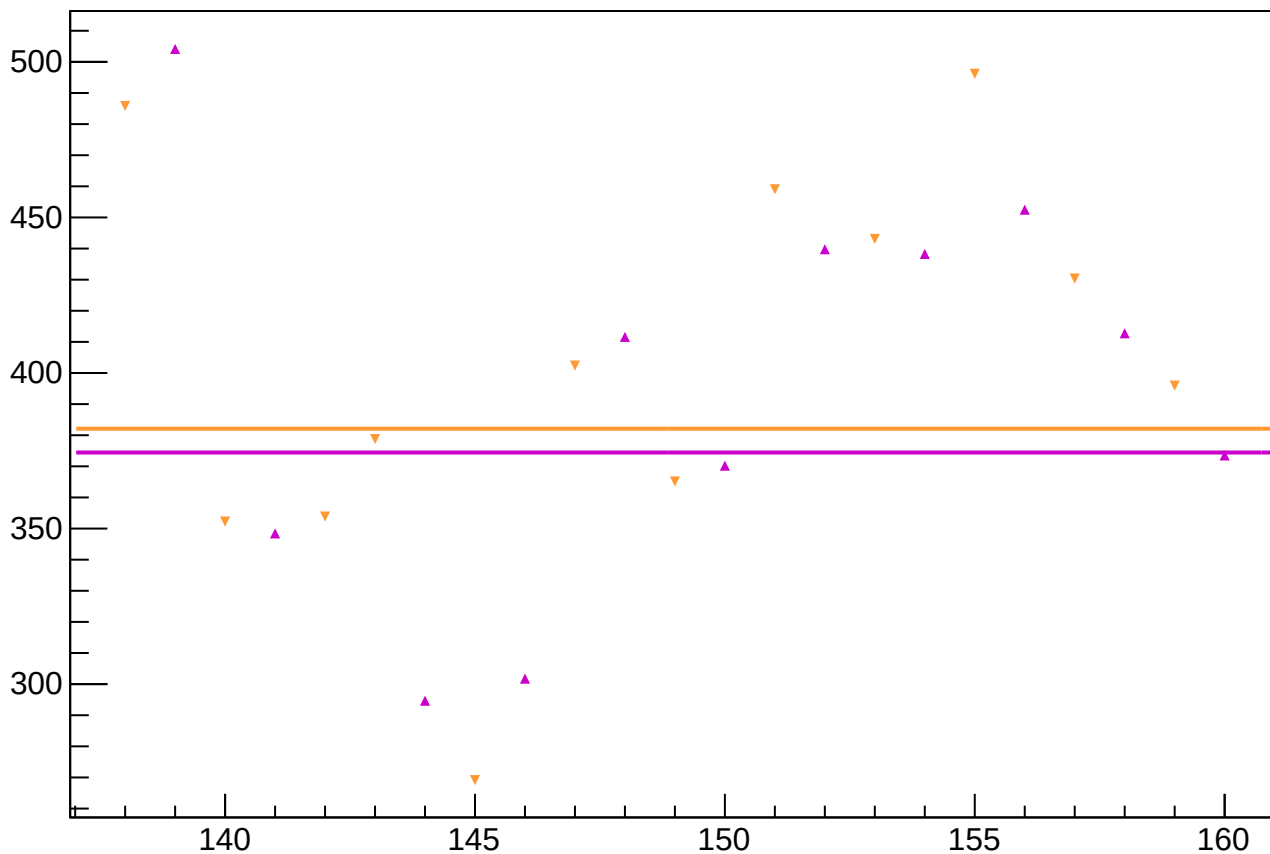
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -112.391+/-126.502 χ^2/NDF : 6.5/10

Out: 713.006+/-129.945 χ^2/NDF : 23.7/11

All: 289.225+/-90.643 χ^2/NDF : 50.9/22

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 382.100+/-0.092 χ^2/NDF :537465.7/11

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

Left In: 374.446+/-0.089 χ^2/NDF :475593.7/10

Left: 378.170+/-0.064 χ^2/NDF : 1016622.6/22

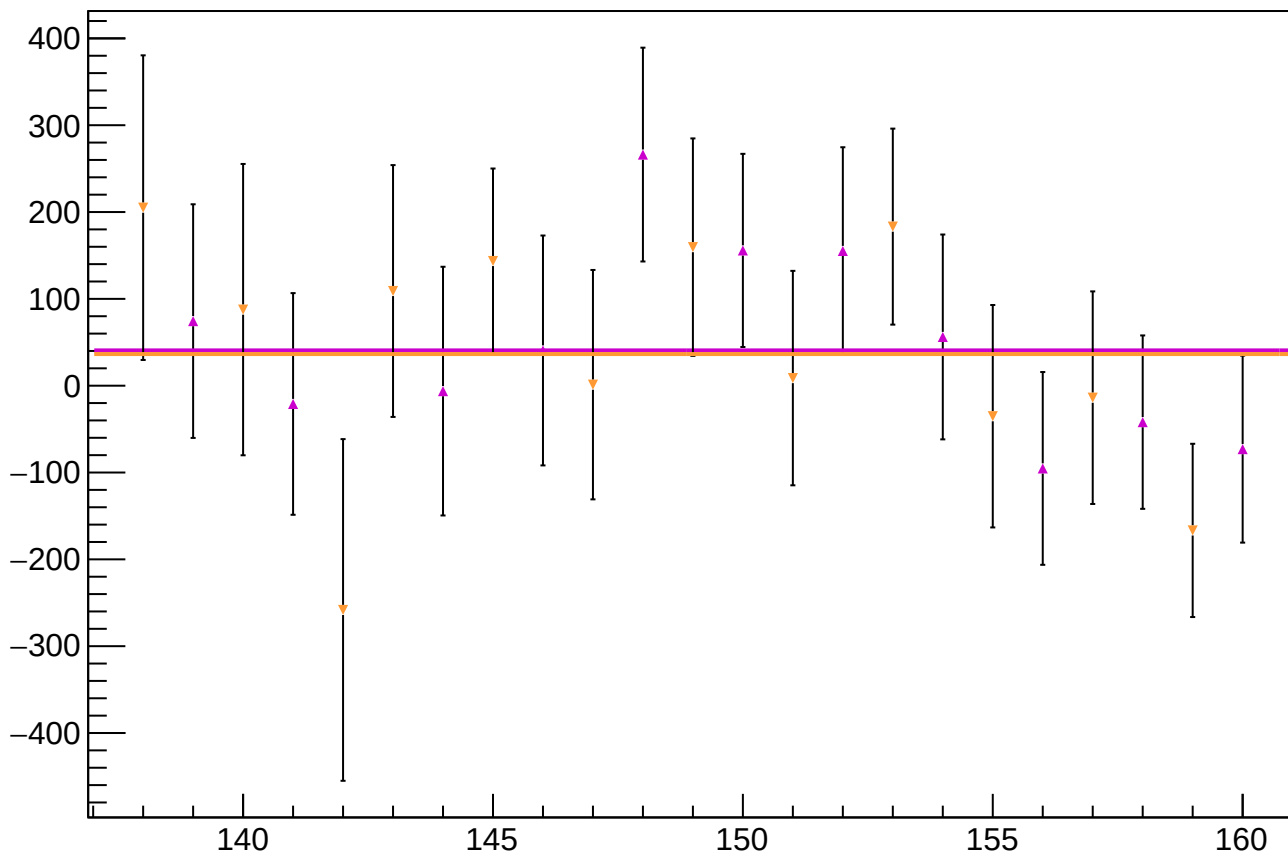
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 374.446+/-0.089 χ^2/NDF :475593.7/10

Out: 382.100+/-0.092 χ^2/NDF :537465.7/11

All: 378.170+/-0.064 χ^2/NDF : 1016622.6/22

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 36.431 $\pm$ 37.196 χ^2 /NDF:11.9/11

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

Left In: 40.648 $\pm$ 35.832 χ^2 /NDF:9.1/10

Left: 38.618 $\pm$ 25.806 χ^2 /NDF: 21.0/22

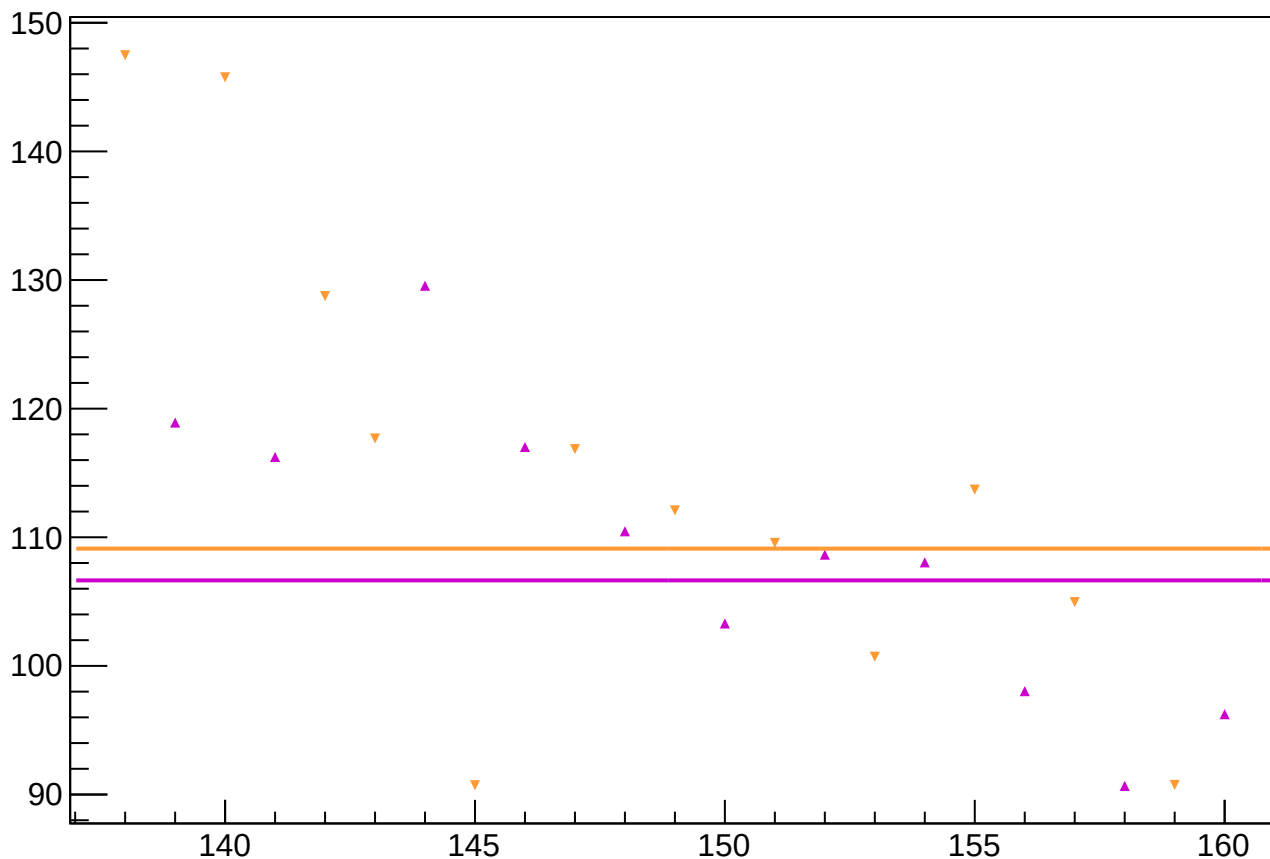
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 40.648 $\pm$ 35.832 χ^2 /NDF:9.1/10

Out: 36.431 $\pm$ 37.196 χ^2 /NDF:11.9/11

All: 38.618 $\pm$ 25.806 χ^2 /NDF: 21.0/22

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 109.118+/-0.026 χ^2/NDF :369315.7/11

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

Left In: 106.648+/-0.025 χ^2/NDF :177858.9/10

Left: 107.837+/-0.018 χ^2/NDF : 551748.5/22

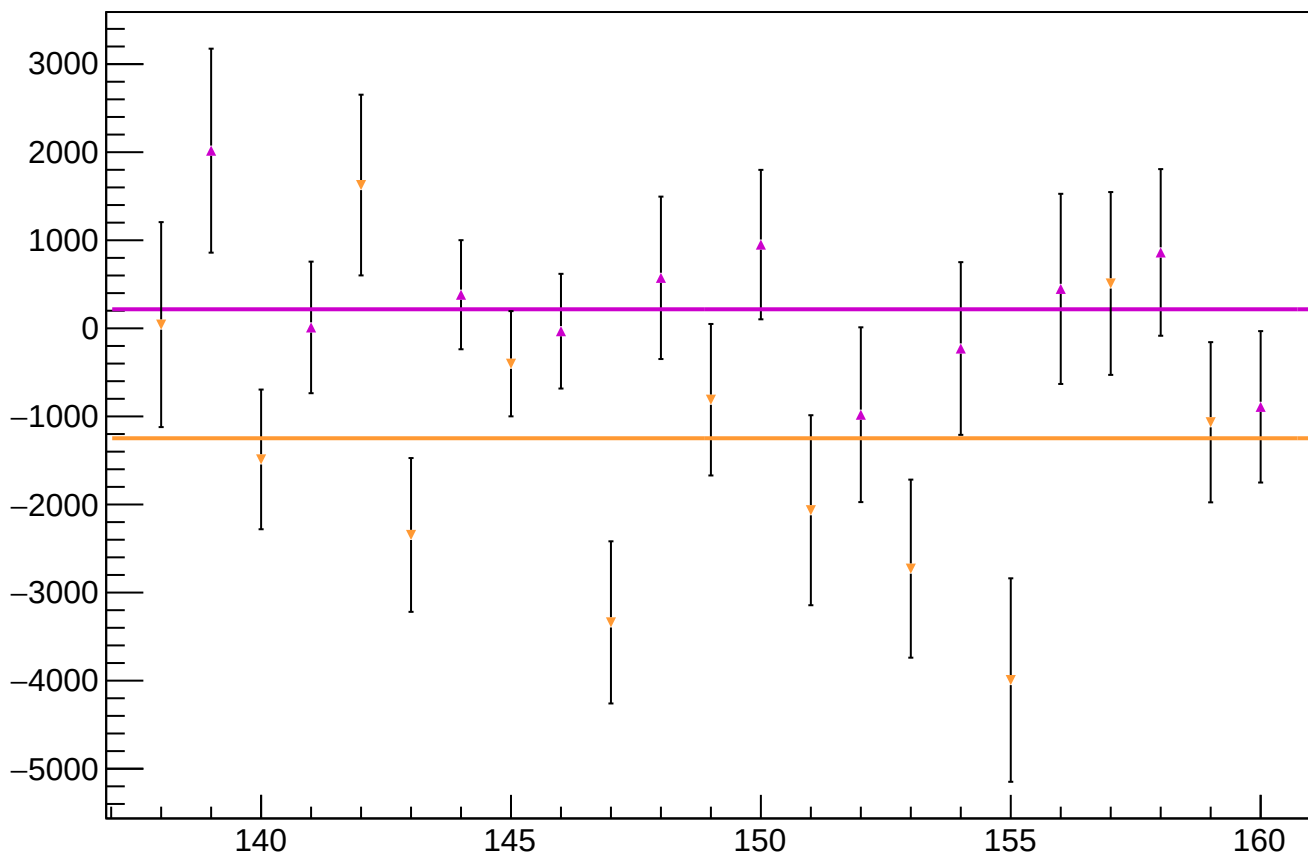
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 106.648+/-0.025 χ^2/NDF :177858.9/10

Out: 109.118+/-0.026 χ^2/NDF :369315.7/11

All: 107.837+/-0.018 χ^2/NDF : 551748.5/22

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1247.866+/-261.275 χ^2/NDF :29.4/11

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

Left In: 216.508+/-254.379 χ^2/NDF :7.4/10

Left: -496.099+/-182.262 χ^2/NDF : 53.0/22

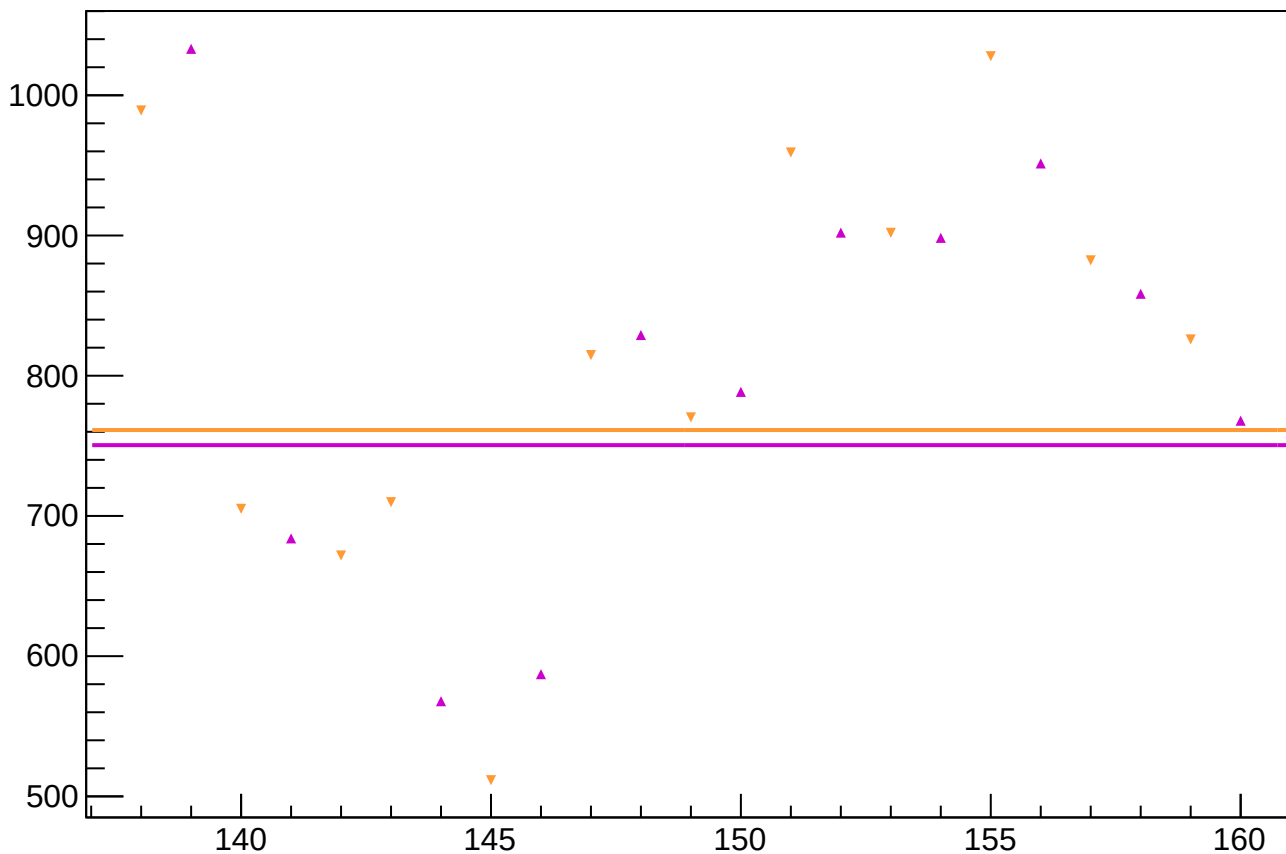
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 216.508+/-254.379 χ^2/NDF :7.4/10

Out: -1247.866+/-261.275 χ^2/NDF :29.4/11

All: -496.099+/-182.262 χ^2/NDF : 53.0/22

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 761.264+/-0.185 χ^2/NDF : 715161.2/11

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

Left In: 750.484+/-0.180 χ^2/NDF : 641494.7/10

Left: 755.730+/-0.129 χ^2/NDF : 1358403.5/22

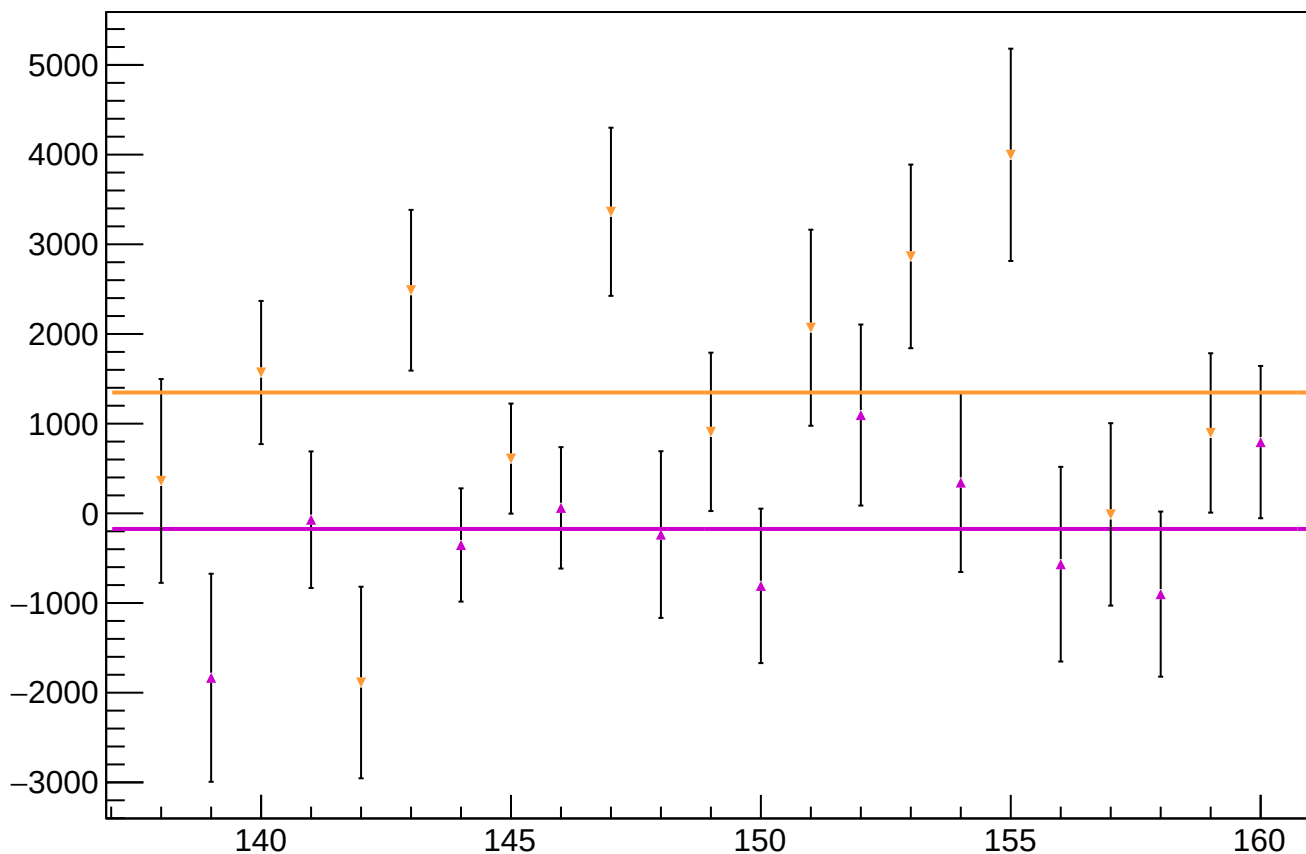
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 750.484+/-0.180 χ^2/NDF : 641494.7/10

Out: 761.264+/-0.185 χ^2/NDF : 715161.2/11

All: 755.730+/-0.129 χ^2/NDF : 1358403.5/22

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 1347.477+/-264.618 χ^2/NDF :27.6/11

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

Left In: -174.121+/-257.626 χ^2/NDF :6.7/10

Left: 566.310+/-184.592 χ^2/NDF : 51.3/22

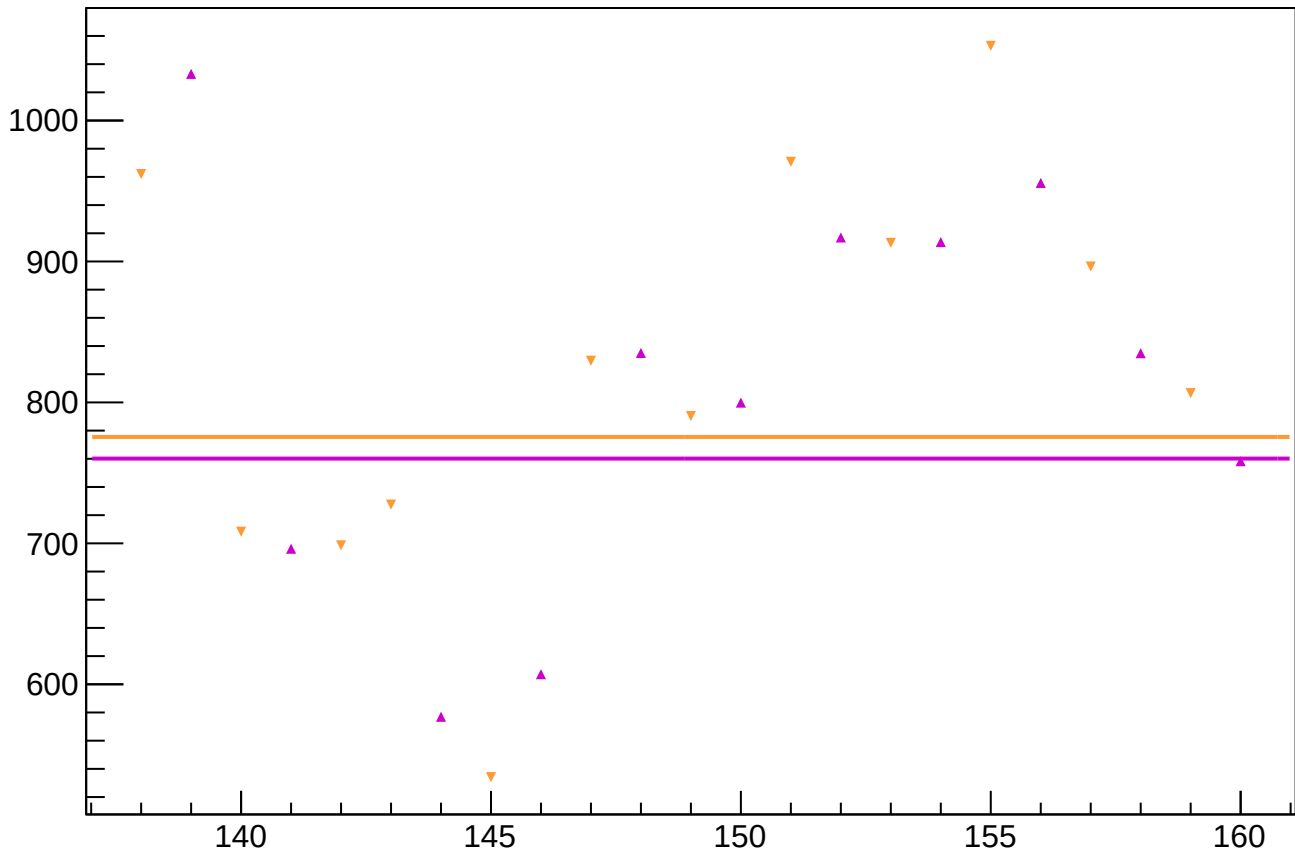
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -174.121+/-257.626 χ^2/NDF :6.7/10

Out: 1347.477+/-264.618 χ^2/NDF :27.6/11

All: 566.310+/-184.592 χ^2/NDF : 51.3/22

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 775.497+/-0.187 χ^2/NDF : 641555.3/11

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

Left In: 760.145+/-0.182 χ^2/NDF : 586426.9/10

Left: 767.615+/-0.131 χ^2/NDF : 1231438.4/22

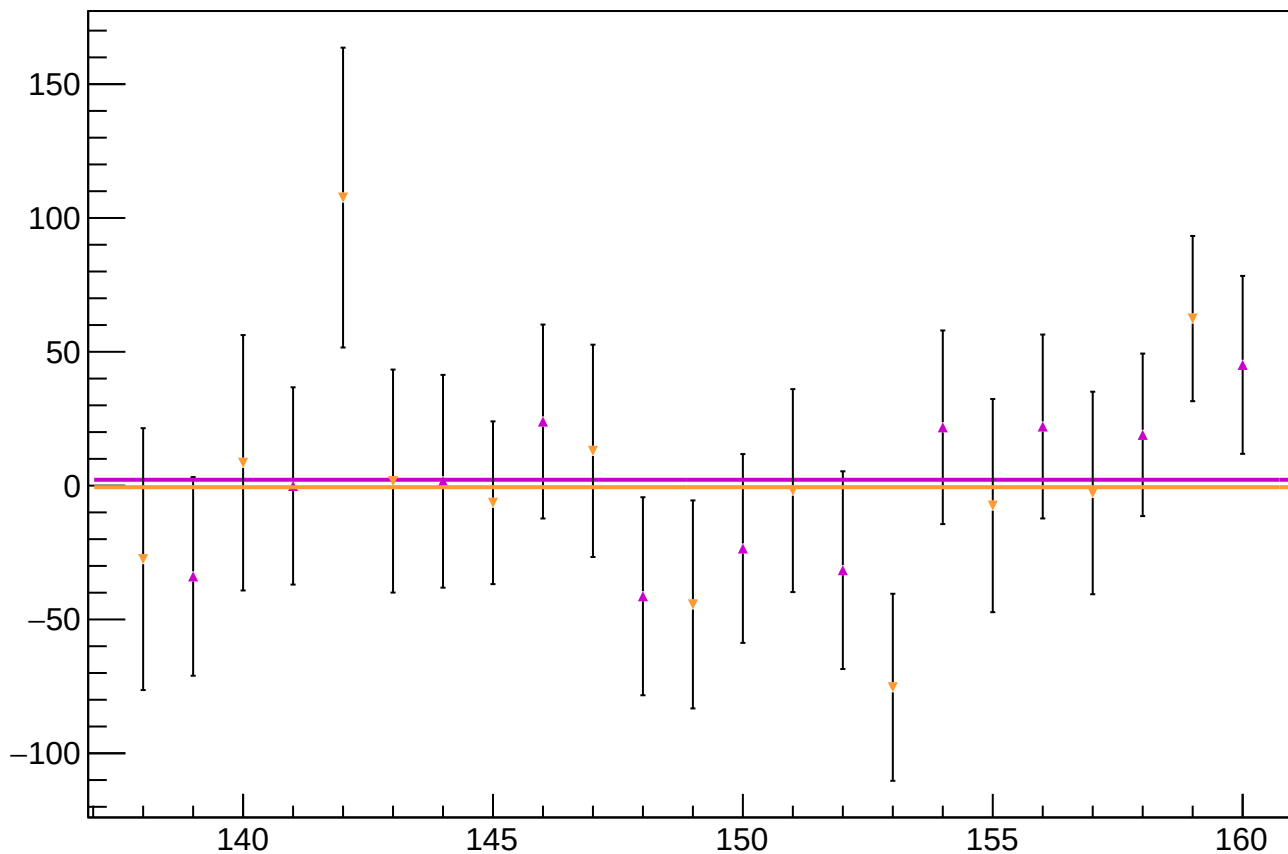
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 760.145+/-0.182 χ^2/NDF : 586426.9/10

Out: 775.497+/-0.187 χ^2/NDF : 641555.3/11

All: 767.615+/-0.131 χ^2/NDF : 1231438.4/22

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -0.579 ± 11.163 $\chi^2/\text{NDF}: 14.3/11$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 2.192 ± 10.705 $\chi^2/\text{NDF}: 6.7/10$

Left: 0.865 ± 7.726 $\chi^2/\text{NDF}: 21.0/22$

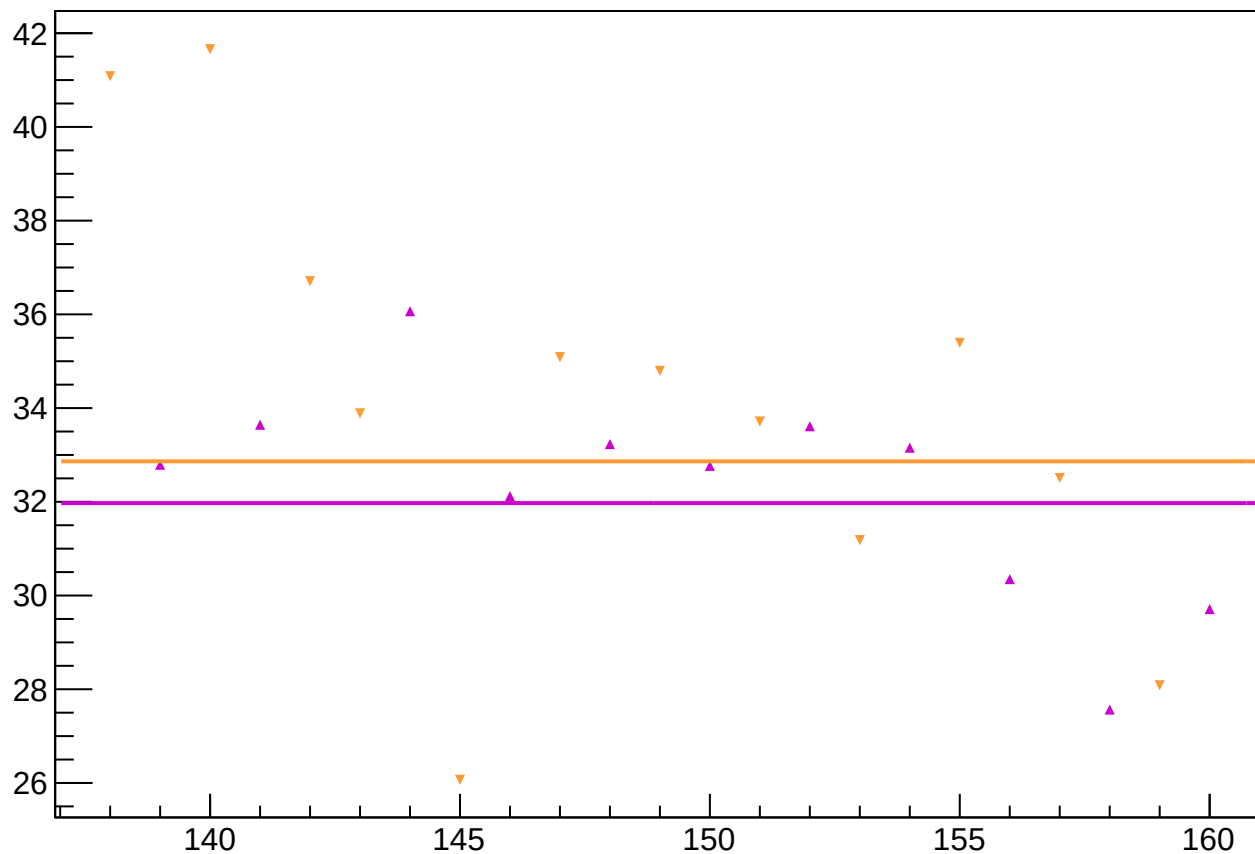
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 2.192 ± 10.705 $\chi^2/\text{NDF}: 6.7/10$

Out: -0.579 ± 11.163 $\chi^2/\text{NDF}: 14.3/11$

All: 0.865 ± 7.726 $\chi^2/\text{NDF}: 21.0/22$

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 32.864+/-0.008 χ^2/NDF :307963.3/11

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

Left In: 31.972+/-0.008 χ^2/NDF :91608.6/10

Left: 32.399+/-0.005 χ^2/NDF : 406215.5/22

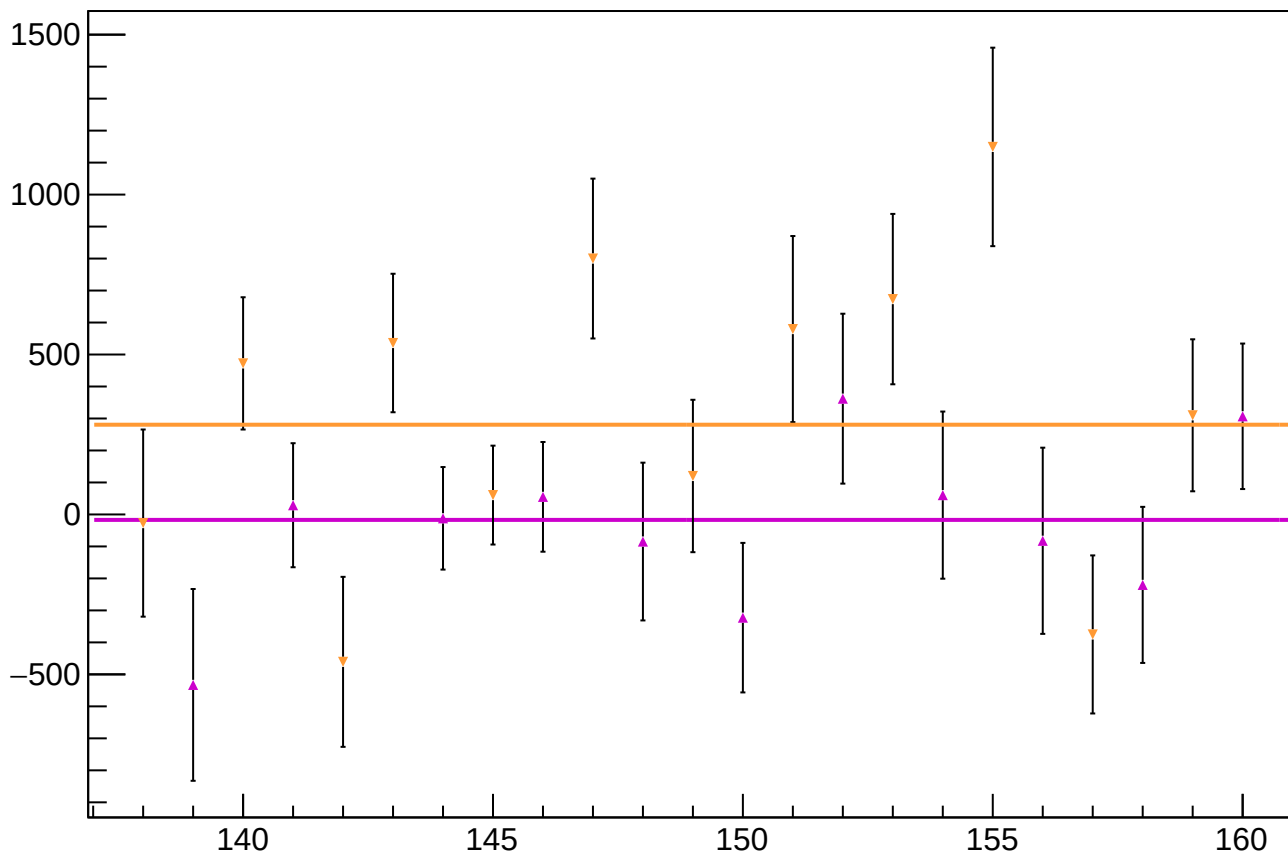
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 31.972+/-0.008 χ^2/NDF :91608.6/10

Out: 32.864+/-0.008 χ^2/NDF :307963.3/11

All: 32.399+/-0.005 χ^2/NDF : 406215.5/22

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 280.561 $\pm$ 67.969 χ^2 /NDF:36.1/11

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

Left In: -17.022 $\pm$ 67.094 χ^2 /NDF:9.9/10

Left: 129.841 $\pm$ 47.749 χ^2 /NDF: 55.6/22

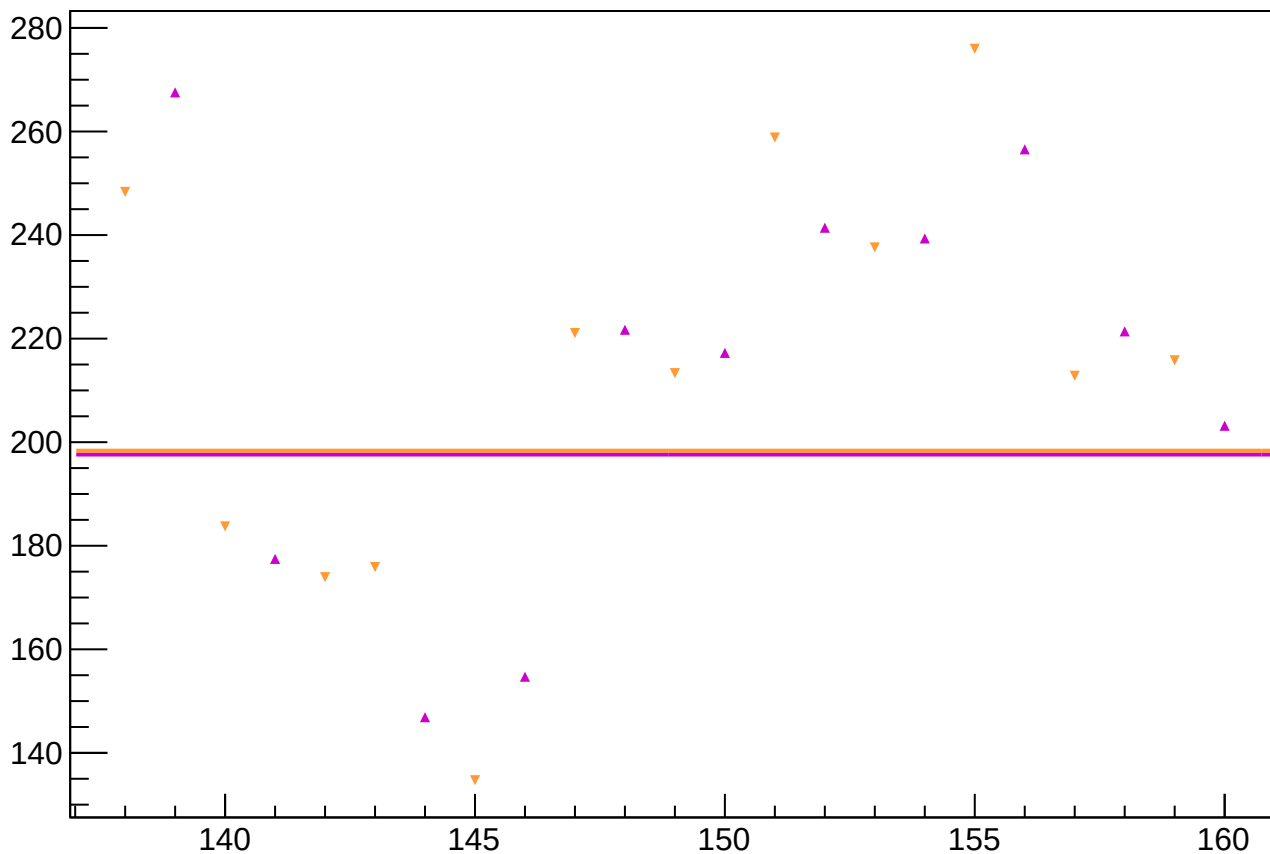
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.022 $\pm$ 67.094 χ^2 /NDF:9.9/10

Out: 280.561 $\pm$ 67.969 χ^2 /NDF:36.1/11

All: 129.841 $\pm$ 47.749 χ^2 /NDF: 55.6/22

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 198.365+/-0.048 χ^2/NDF : 742945.0/11

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

Left In: 197.618+/-0.047 χ^2/NDF : 696737.7/10

Left: 197.986+/-0.034 χ^2/NDF : 1439805.1/22

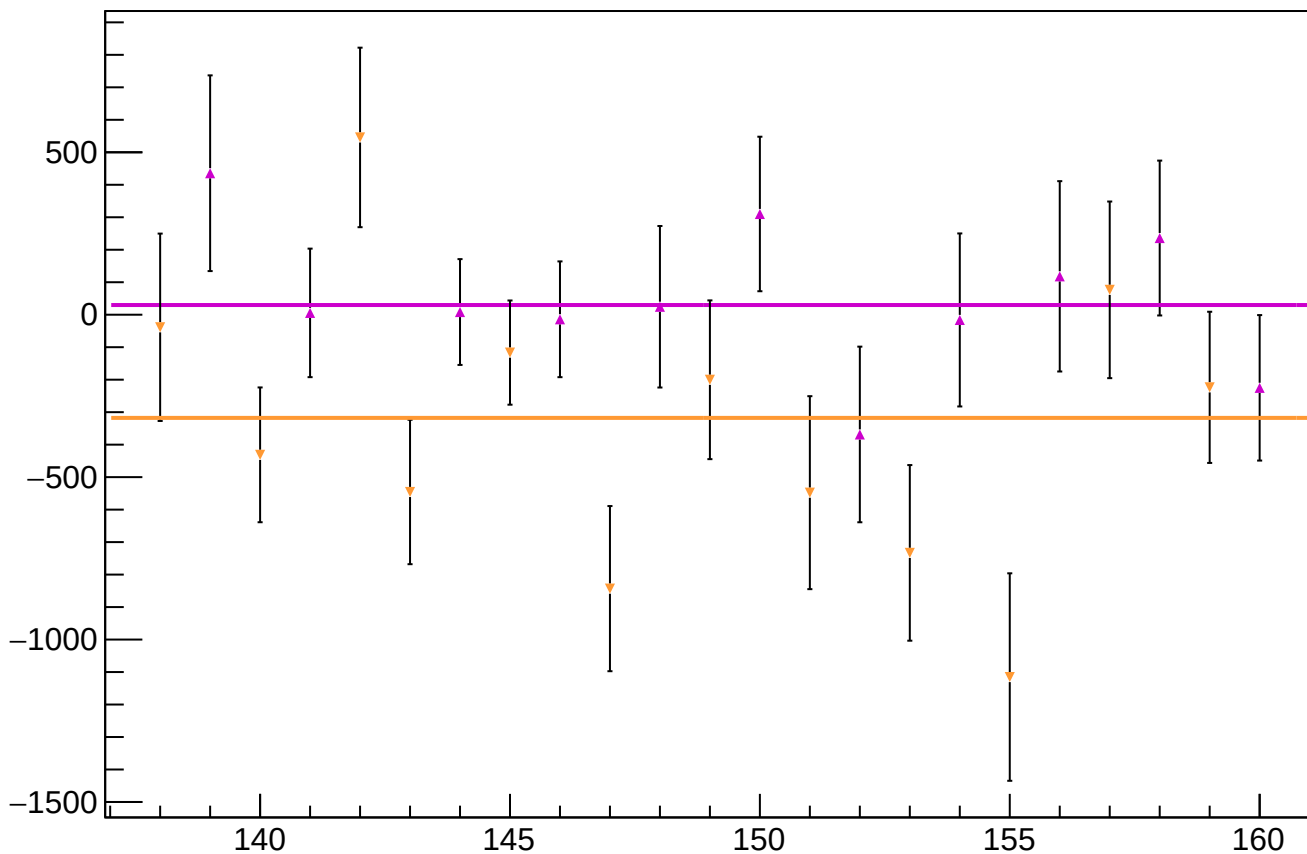
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 197.618+/-0.047 χ^2/NDF : 696737.7/10

Out: 198.365+/-0.048 χ^2/NDF : 742945.0/11

All: 197.986+/-0.034 χ^2/NDF : 1439805.1/22

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -317.607 ± 69.585 χ^2/NDF : 29.6/11

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: 29.827 ± 67.945 χ^2/NDF : 7.6/10

Left: -139.750 ± 48.614 χ^2/NDF : 50.0/22

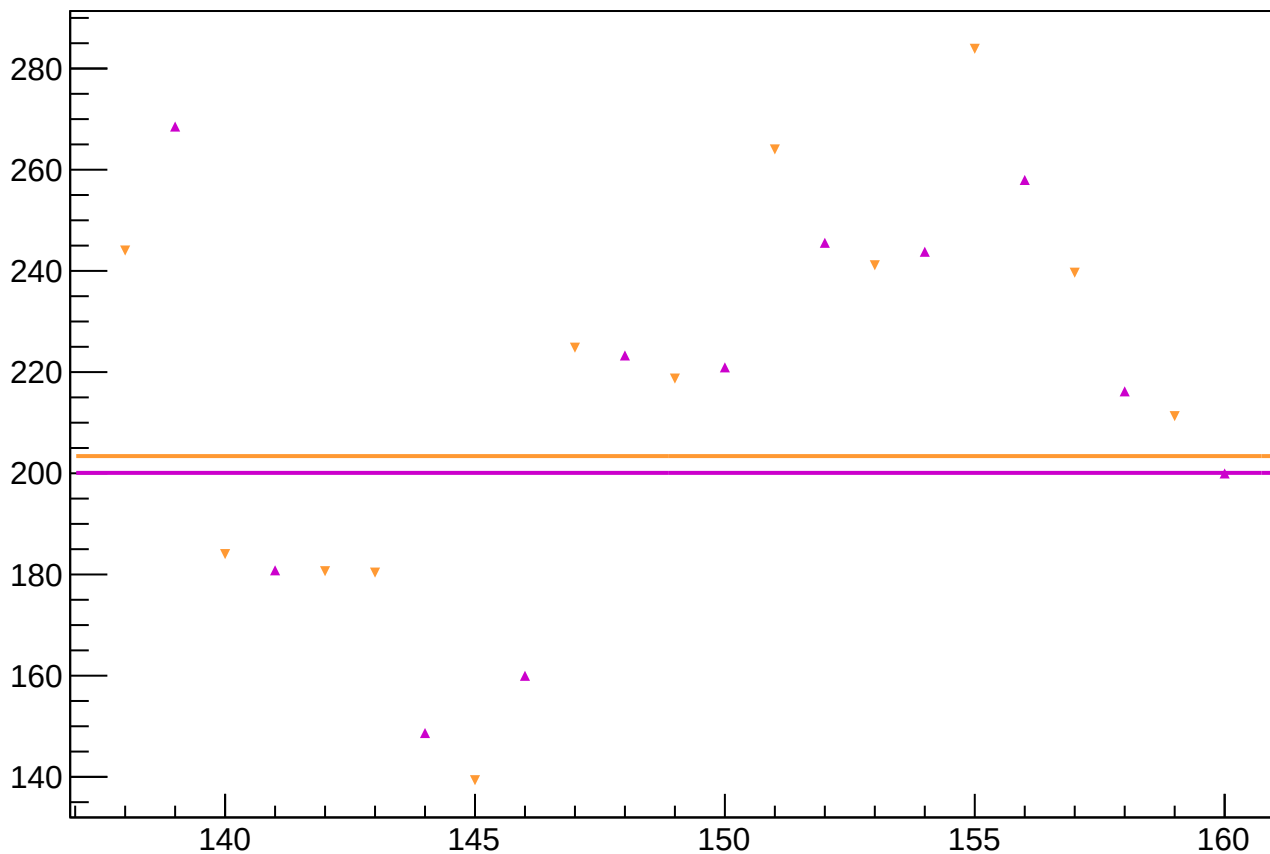
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: 29.827 ± 67.945 χ^2/NDF : 7.6/10

Out: -317.607 ± 69.585 χ^2/NDF : 29.6/11

All: -139.750 ± 48.614 χ^2/NDF : 50.0/22

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 203.399+/-0.049 χ^2/NDF : 720489.7/11

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

Left In: 200.082+/-0.048 χ^2/NDF : 653395.2/10

Left: 201.701+/-0.034 χ^2/NDF : 1376211.2/22

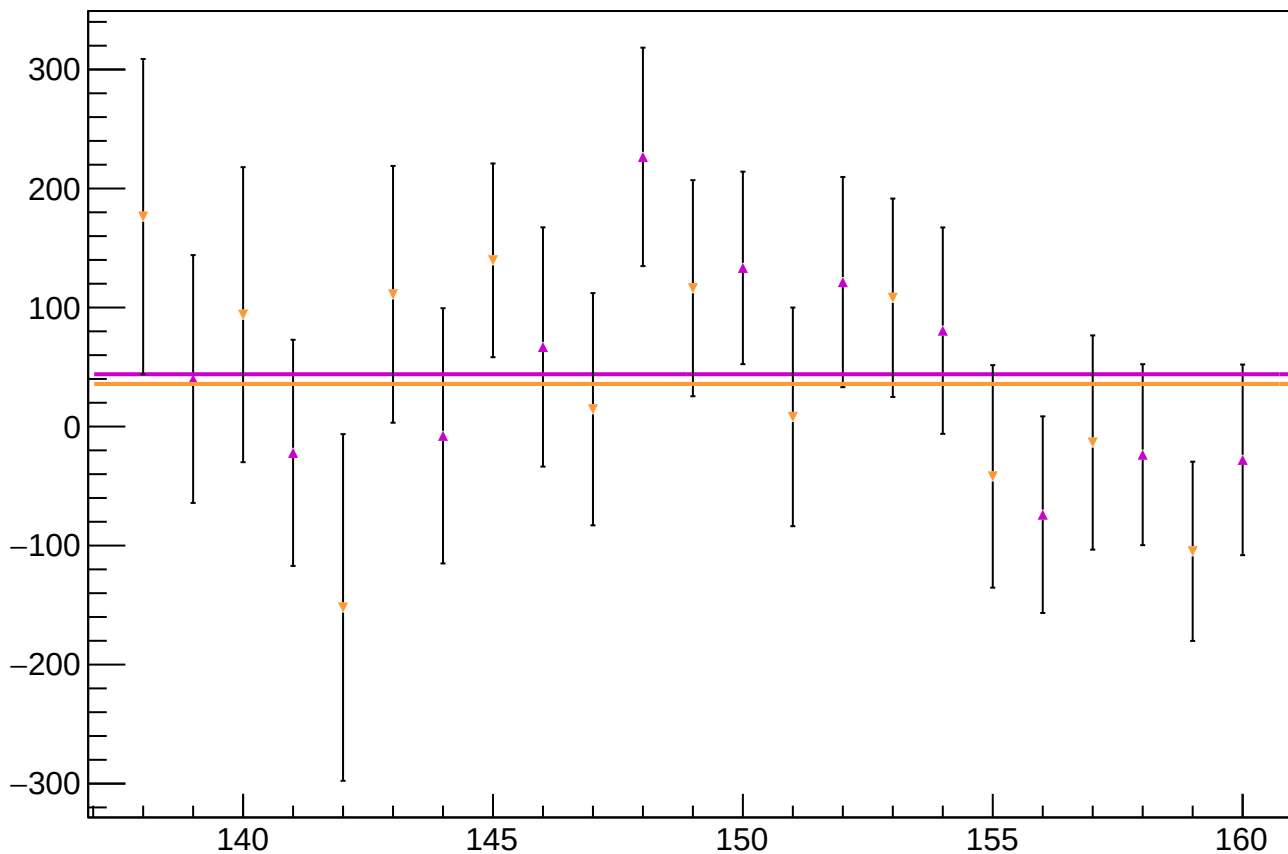
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 200.082+/-0.048 χ^2/NDF : 653395.2/10

Out: 203.399+/-0.049 χ^2/NDF : 720489.7/11

All: 201.701+/-0.034 χ^2/NDF : 1376211.2/22

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 35.793 $\pm$ 27.636 χ^2 /NDF:11.3/11

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

Left In: 43.969 $\pm$ 26.750 χ^2 /NDF:10.5/10

Left: 40.014 $\pm$ 19.221 χ^2 /NDF: 21.9/22

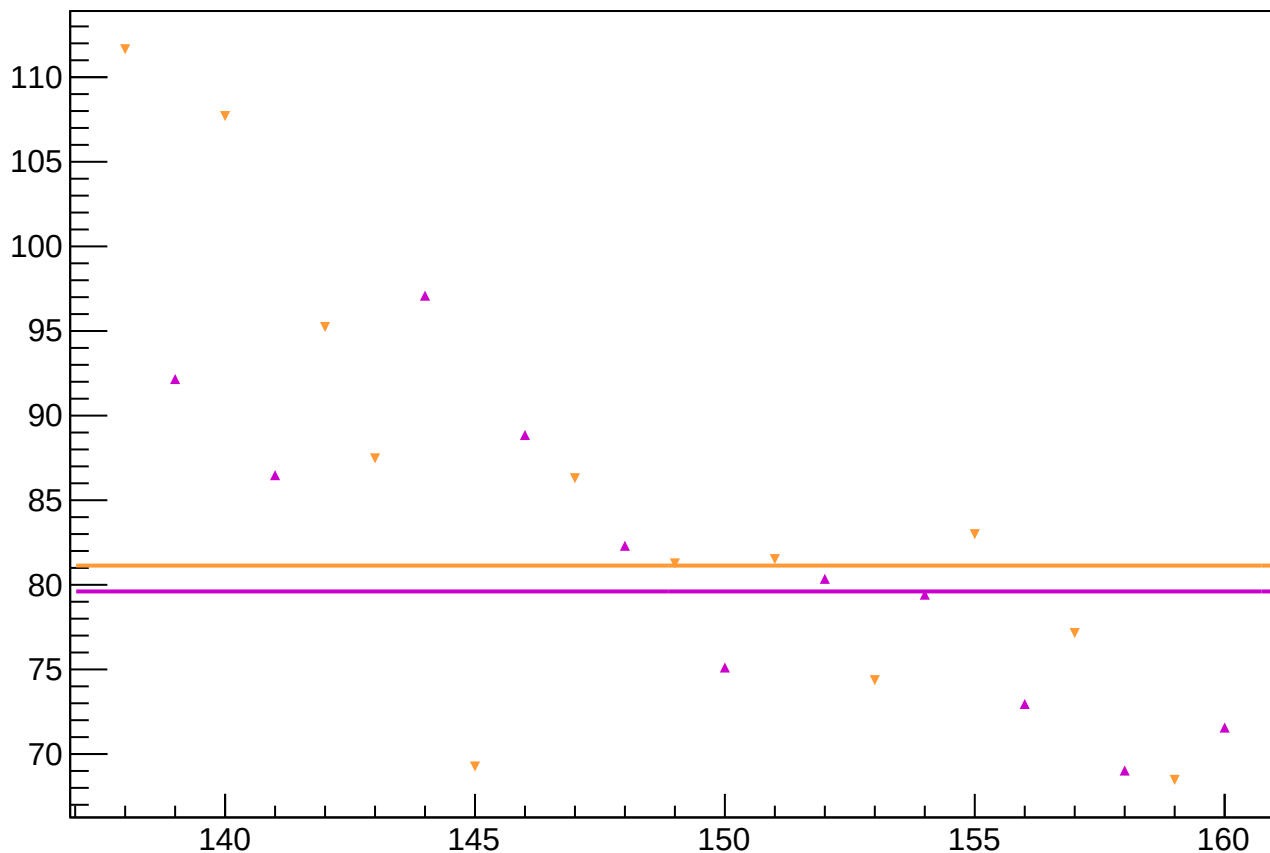
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 43.969 $\pm$ 26.750 χ^2 /NDF:10.5/10

Out: 35.793 $\pm$ 27.636 χ^2 /NDF:11.3/11

All: 40.014 $\pm$ 19.221 χ^2 /NDF: 21.9/22

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 81.137+/-0.020 χ^2/NDF :346435.3/11

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

Left In: 79.609+/-0.019 χ^2/NDF :189601.7/10

Left: 80.348+/-0.014 χ^2/NDF : 539196.4/22

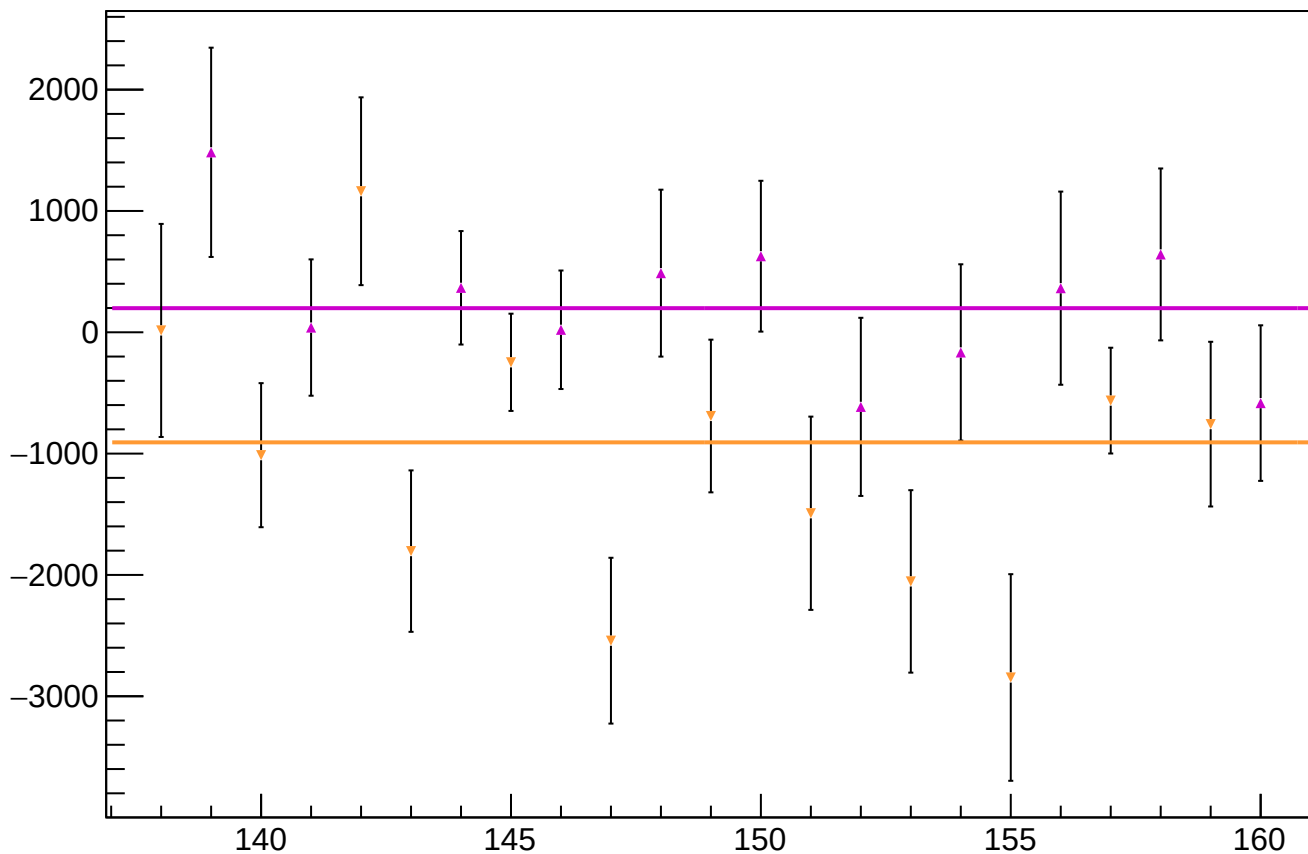
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 79.609+/-0.019 χ^2/NDF :189601.7/10

Out: 81.137+/-0.020 χ^2/NDF :346435.3/11

All: 80.348+/-0.014 χ^2/NDF : 539196.4/22

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -907.323 $\pm$ 179.280 χ^2 /NDF:27.4/11

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

Left In: 198.746 $\pm$ 189.897 χ^2 /NDF:6.6/10

Left: -386.071 $\pm$ 130.362 χ^2 /NDF: 51.9/22

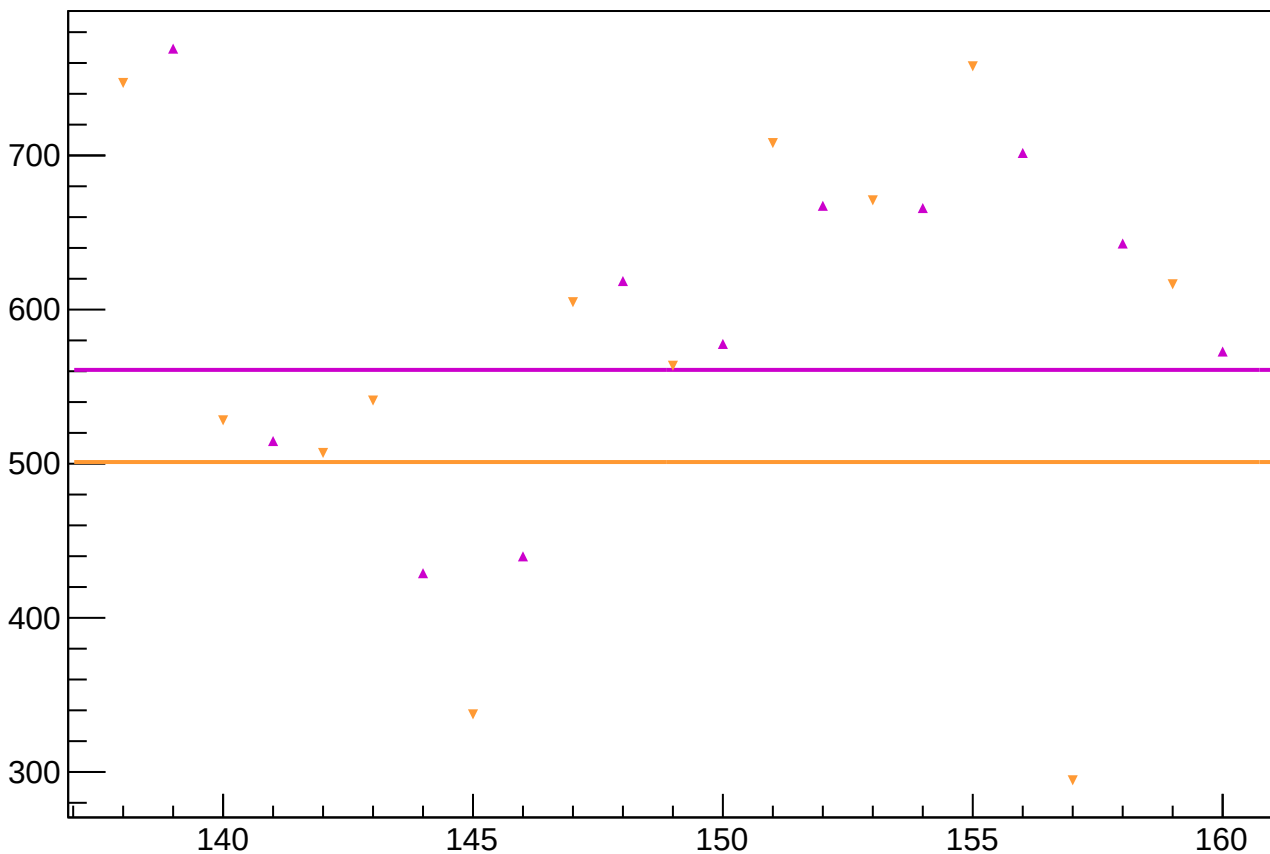
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 198.746 $\pm$ 189.897 χ^2 /NDF:6.6/10

Out: -907.323 $\pm$ 179.280 χ^2 /NDF:27.4/11

All: -386.071 $\pm$ 130.362 χ^2 /NDF: 51.9/22

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 501.096+/-0.127 χ^2/NDF :1493229.6/11

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

Left In: 560.883+/-0.134 χ^2/NDF :601520.6/10

Left: 529.271+/-0.092 χ^2/NDF : 2199572.1/22

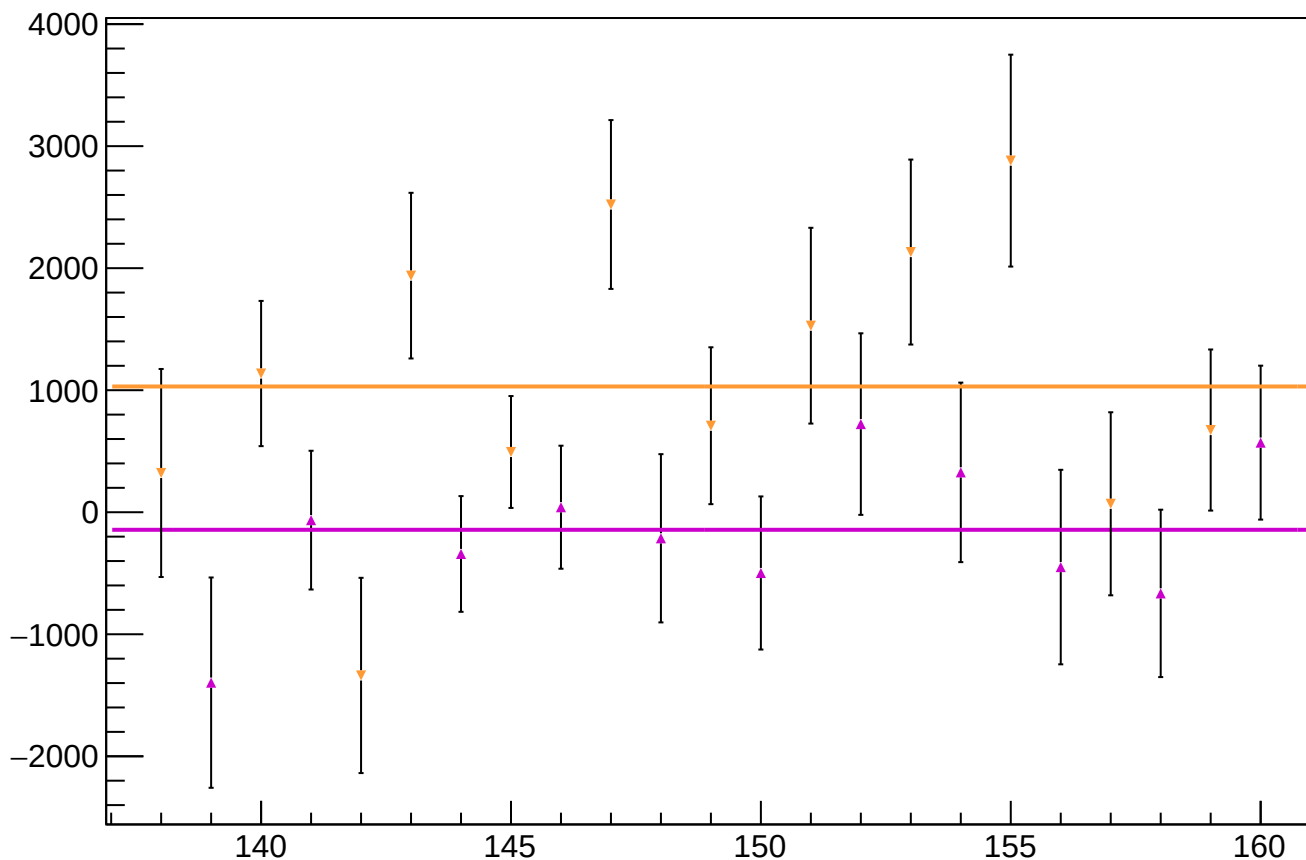
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 560.883+/-0.134 χ^2/NDF :601520.6/10

Out: 501.096+/-0.127 χ^2/NDF :1493229.6/11

All: 529.271+/-0.092 χ^2/NDF : 2199572.1/22

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 1030.450+/-196.514 χ^2/NDF :26.5/11

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

Left In: -143.896+/-191.262 χ^2/NDF :6.5/10

Left: 427.375+/-137.062 χ^2/NDF : 51.4/22

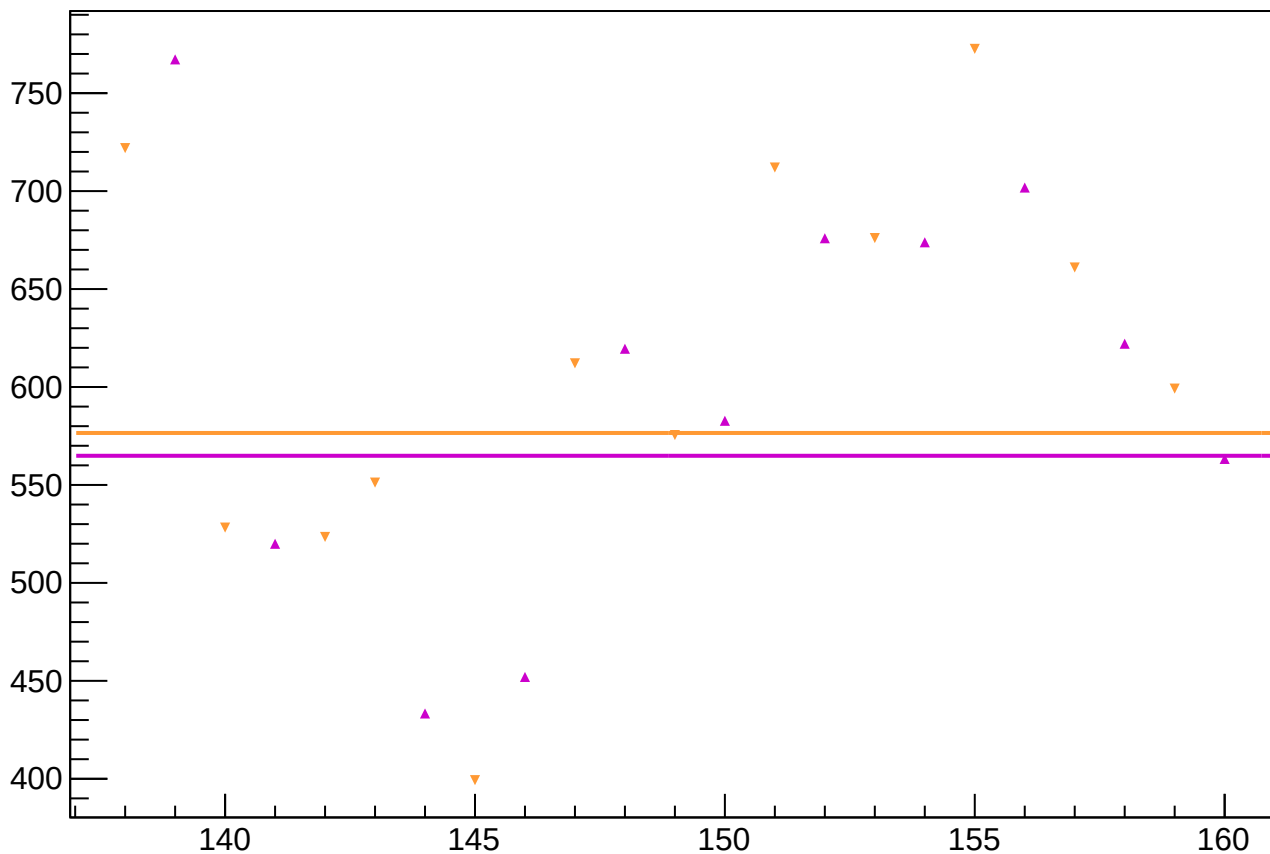
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -143.896+/-191.262 χ^2/NDF :6.5/10

Out: 1030.450+/-196.514 χ^2/NDF :26.5/11

All: 427.375+/-137.062 χ^2/NDF : 51.4/22

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 576.535+/-0.139 χ^2/NDF : 608427.7/11

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

Left In: 564.892+/-0.135 χ^2/NDF : 552586.6/10

Left: 570.556+/-0.097 χ^2/NDF : 1164619.7/22

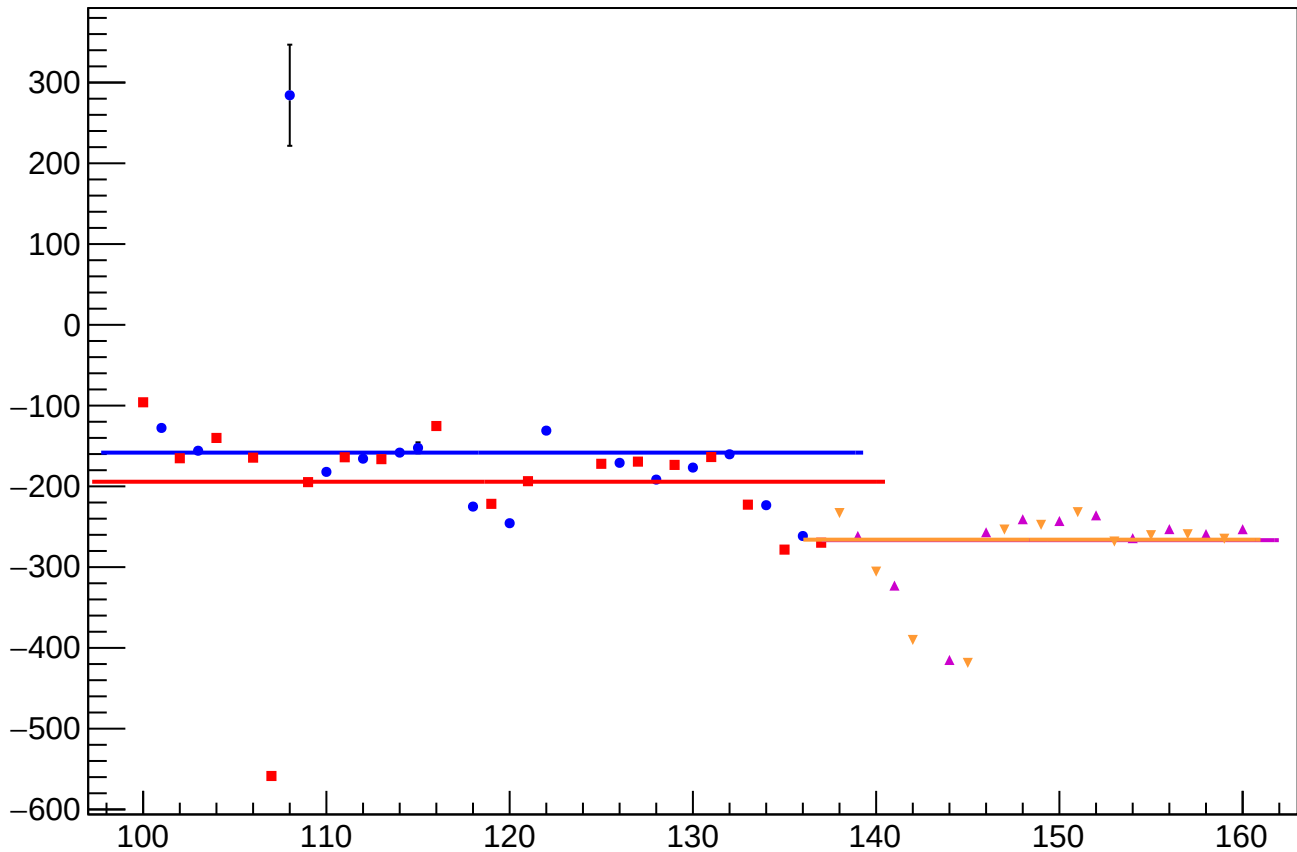
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 564.892+/-0.135 χ^2/NDF : 552586.6/10

Out: 576.535+/-0.139 χ^2/NDF : 608427.7/11

All: 570.556+/-0.097 χ^2/NDF : 1164619.7/22

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222 $\pm$ 0.000 χ^2 /NDF: 117166.2/15

Left Out: -265.996 $\pm$ 0.177 χ^2 /NDF: 25255.5/10

Right Out: -194.268 $\pm$ 0.165 χ^2 /NDF: 176560.4/17

Left In: -266.611 $\pm$ 0.180 χ^2 /NDF: 44095.7/10

Left: -266.300 $\pm$ 0.126 χ^2 /NDF: 69357.1/21

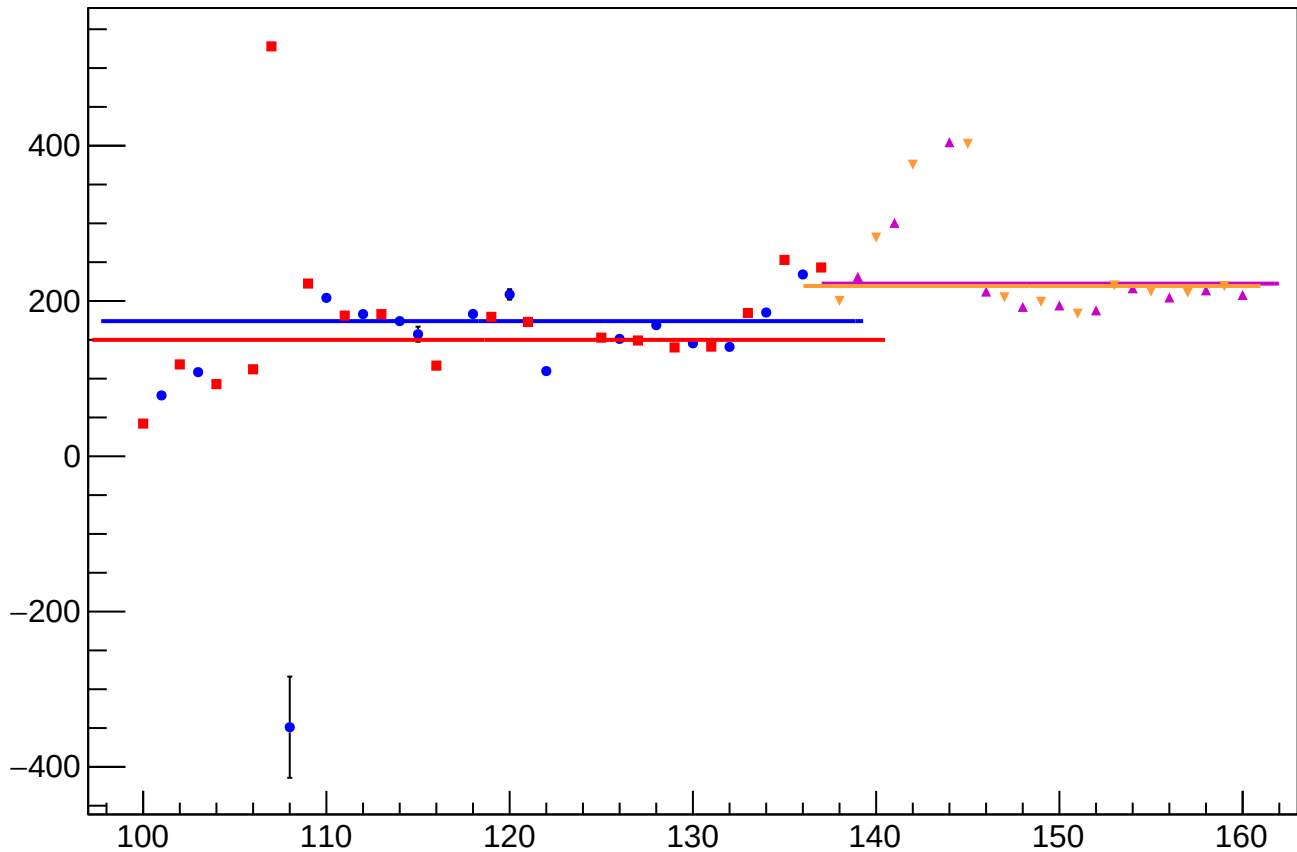
Right: -158.222 $\pm$ 0.000 χ^2 /NDF: 341369.6/33

In: -158.222 $\pm$ 0.000 χ^2 /NDF: 525660.2/26

Out: -227.566 $\pm$ 0.121 χ^2 /NDF: 289393.0/28

All: -158.222 $\pm$ 0.000 χ^2 /NDF: 1144151.4/55

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085+/-0.000 χ^2/NDF : 53377.4/15

Left Out: 219.373+/-0.176 χ^2/NDF : 33227.2/10

Right Out: 149.948+/-0.196 χ^2/NDF : 167846.4/17

Left In: 222.383+/-0.181 χ^2/NDF : 62219.2/10

Left: 220.836+/-0.126 χ^2/NDF : 95588.5/21

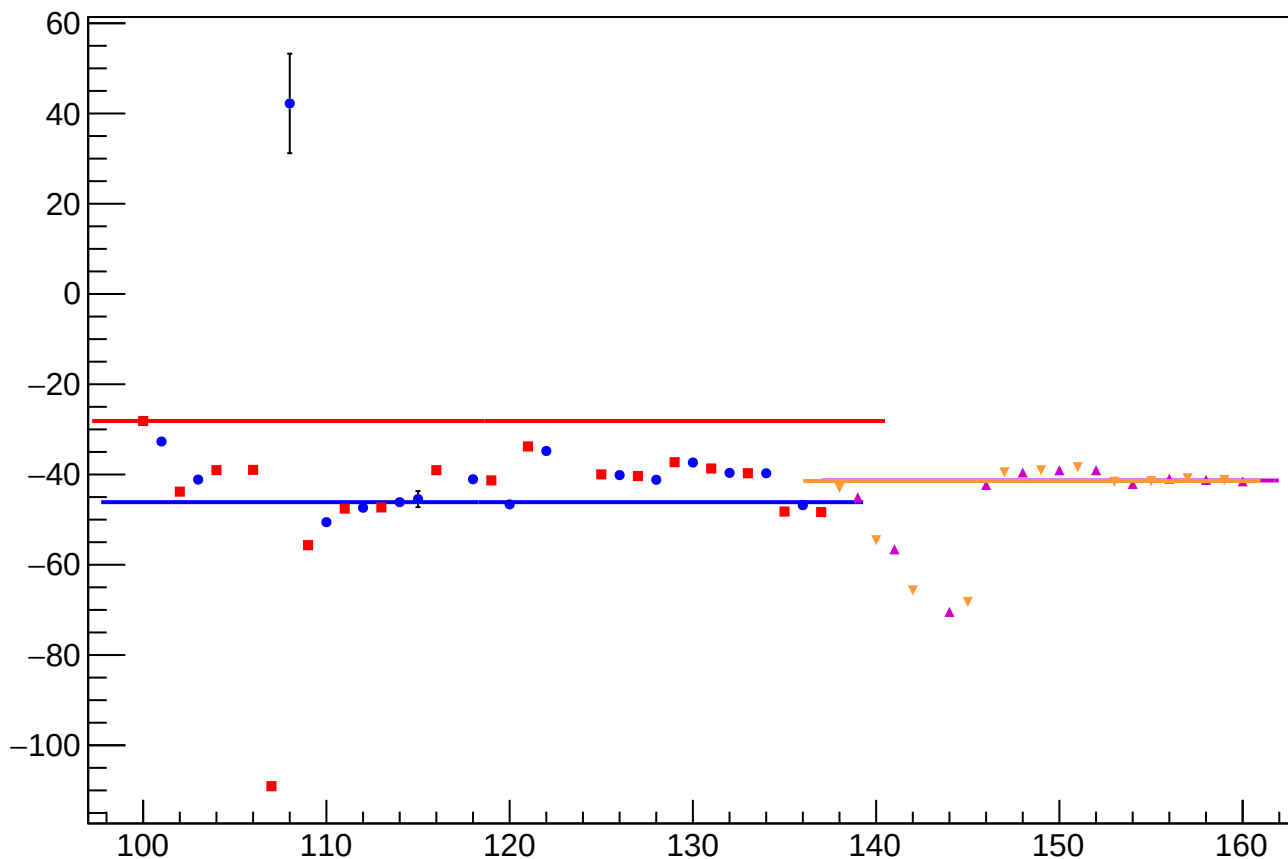
Right: 174.085+/-0.000 χ^2/NDF : 236460.5/33

In: 174.085+/-0.000 χ^2/NDF : 186822.0/26

Out: 188.307+/-0.131 χ^2/NDF : 270721.5/28

All: 174.085+/-0.000 χ^2/NDF : 469365.3/55

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126+/-0.000 χ^2/NDF : 201273.7/15

Left Out: -41.439+/-0.009 χ^2/NDF : 84258.0/10

Right Out: -28.139+/-0.000 χ^2/NDF : 746939.9/17

Left In: -41.326+/-0.010 χ^2/NDF : 154793.4/10

Left: -41.392+/-0.007 χ^2/NDF : 239125.5/21

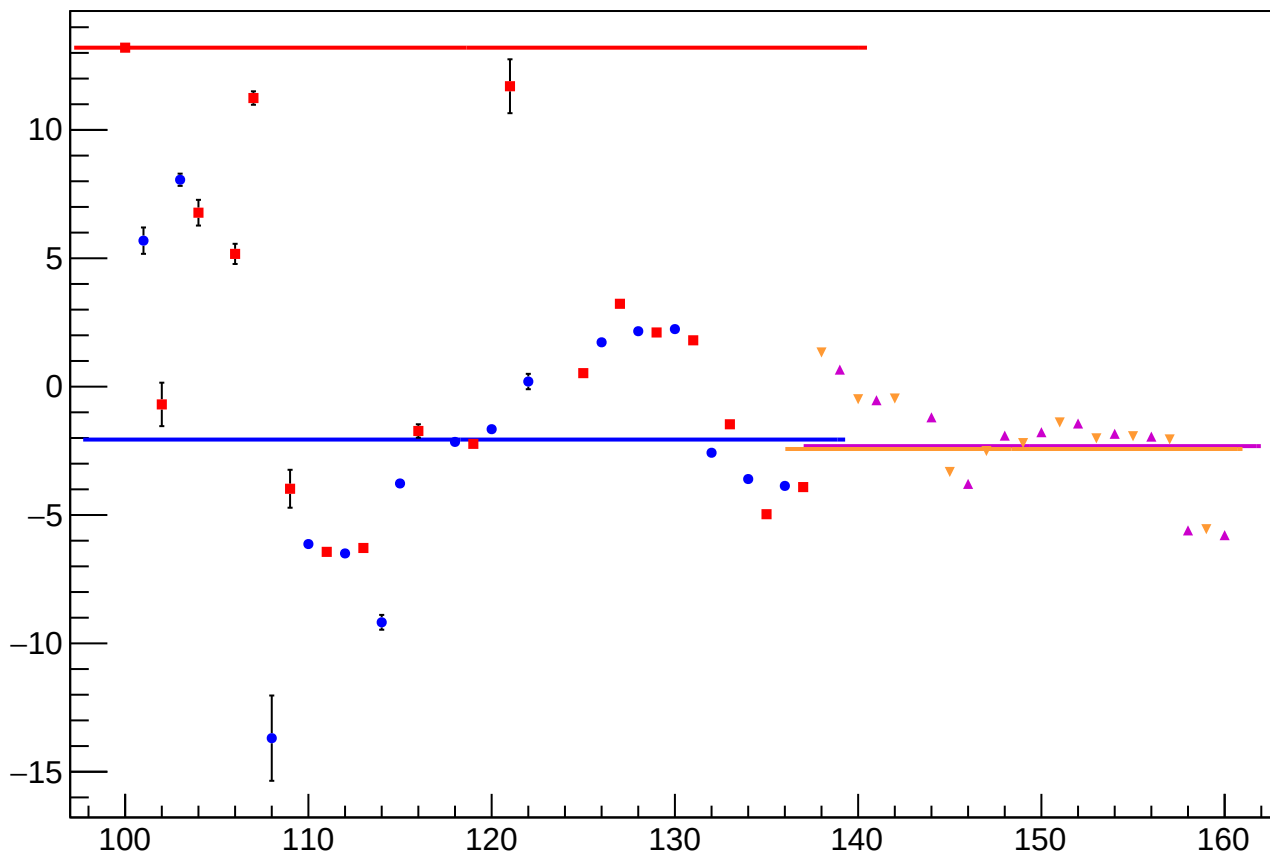
Right: -39.778+/-0.000 χ^2/NDF : 248795993231659

In: -46.126+/-0.000 χ^2/NDF : 582698.9/26

Out: -28.139+/-0.000 χ^2/NDF : 3232677.9/28

All: -39.778+/-0.000 χ^2/NDF : 248795993231

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -2.061 ± 0.018 $\chi^2/\text{NDF}: 25665.1/15$

Left Out: -2.428 ± 0.010 $\chi^2/\text{NDF}: 29900.1/10$

Right Out: 13.204 ± 0.000 $\chi^2/\text{NDF}: 509721.0/17$

Left In: -2.316 ± 0.008 $\chi^2/\text{NDF}: 47355.9/10$

Left: -2.359 ± 0.006 $\chi^2/\text{NDF}: 77340.8/21$

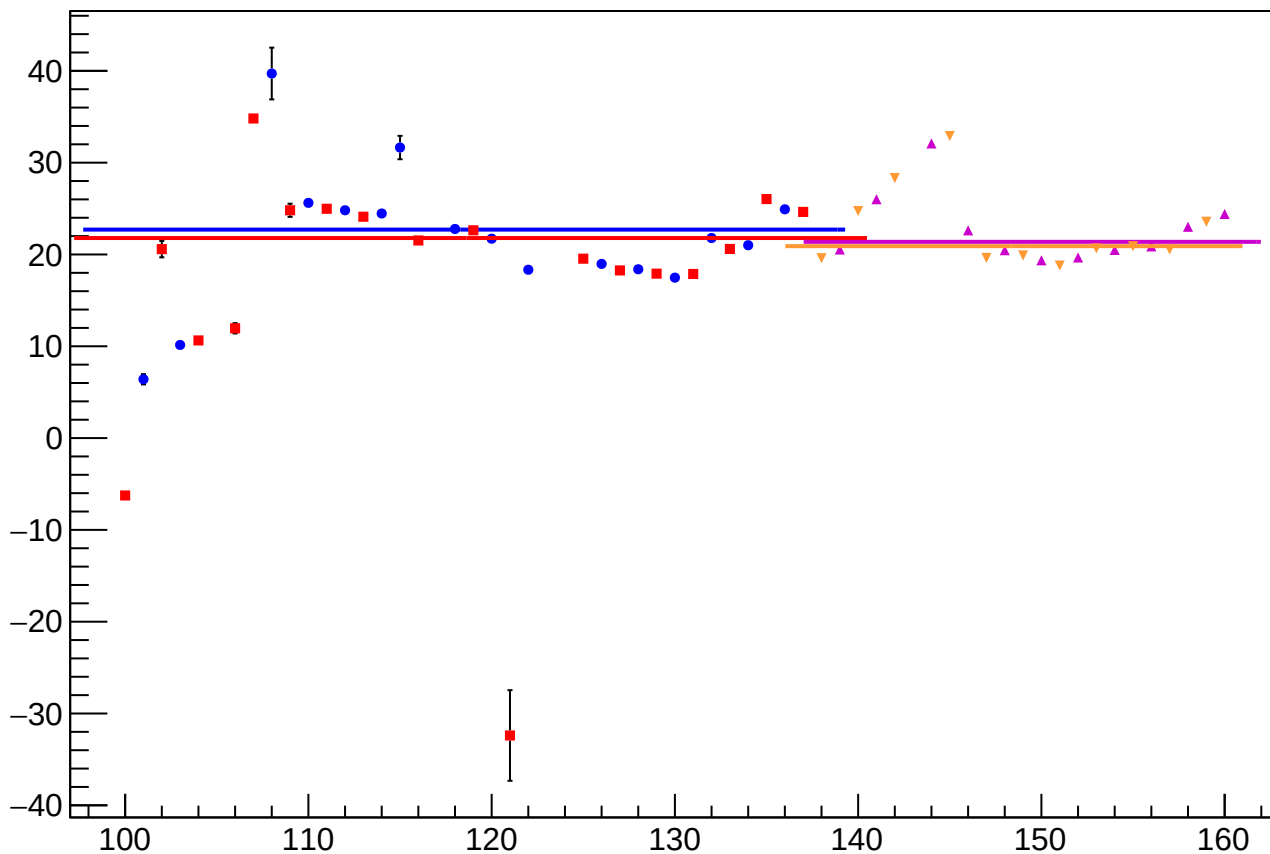
Right: 13.204 ± 0.000 $\chi^2/\text{NDF}: 1268800.5/33$

In: -2.278 ± 0.007 $\chi^2/\text{NDF}: 73195.0/26$

Out: 13.204 ± 0.000 $\chi^2/\text{NDF}: 3227290.3/28$

All: 13.204 ± 0.000 $\chi^2/\text{NDF}: 8274026.0/55$

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.711 $\pm$ 0.019 χ^2 /NDF: 22767.9/15

Left Out: 20.906 $\pm$ 0.011 χ^2 /NDF:21853.2/10

Right Out: 21.790 $\pm$ 0.022 χ^2 /NDF: 26670.9/17

Left In: 21.378 $\pm$ 0.009 χ^2 /NDF:52695.5/10

Left: 21.196 $\pm$ 0.007 χ^2 /NDF: 75604.2/21

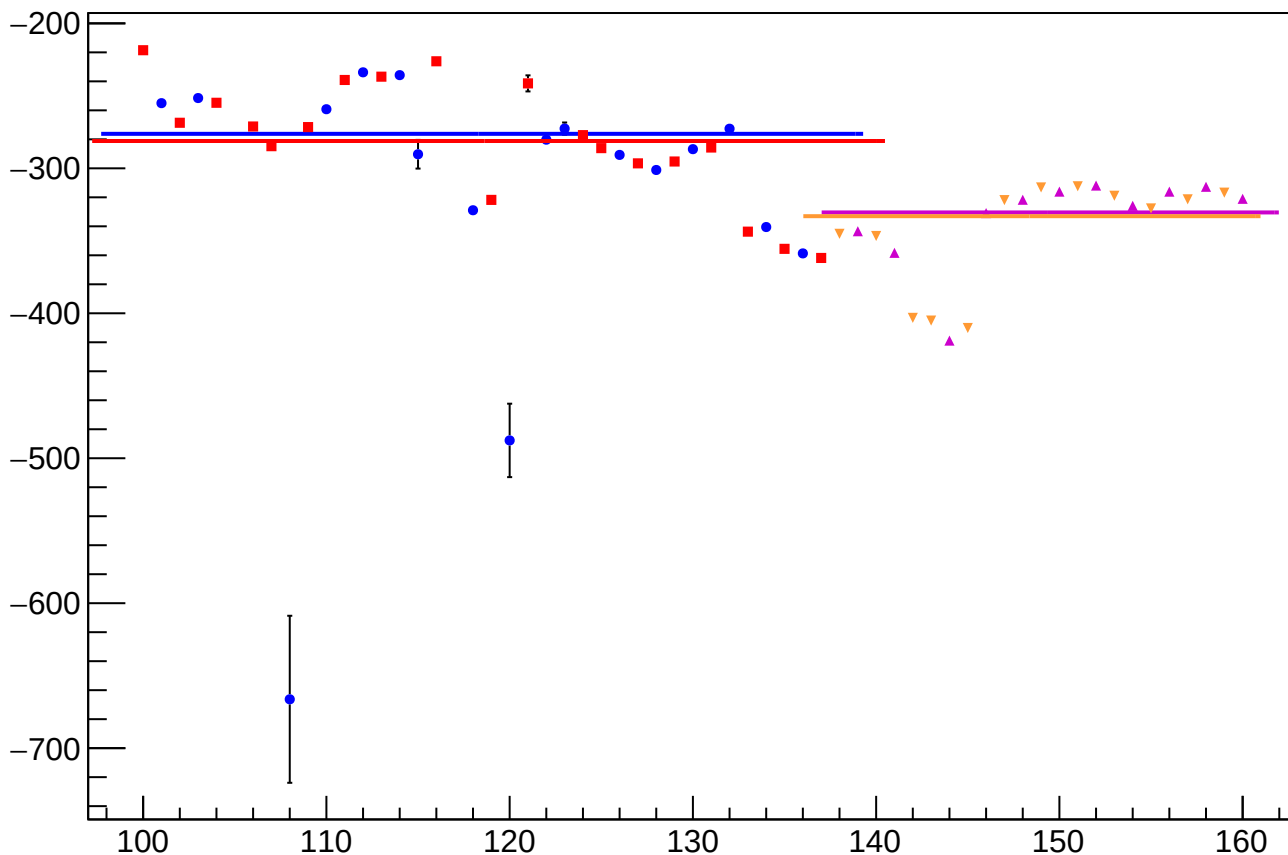
Right: 22.313 $\pm$ 0.014 χ^2 /NDF: 50478.1/33

In: 21.628 $\pm$ 0.008 χ^2 /NDF:79566.9/26

Out: 21.099 $\pm$ 0.010 χ^2 /NDF:49843.3/28

All: 21.419 $\pm$ 0.006 χ^2 /NDF: 131079.7/55

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -276.201 ± 0.167 $\chi^2/\text{NDF}: 58107.7/16$

Left Out: -333.020 ± 0.164 $\chi^2/\text{NDF}: 26318.1/11$

Right Out: -281.150 ± 0.148 $\chi^2/\text{NDF}: 77611.5/18$

Left In: -330.429 ± 0.128 $\chi^2/\text{NDF}: 35079.6/10$

Left: -331.417 ± 0.101 $\chi^2/\text{NDF}: 61553.0/22$

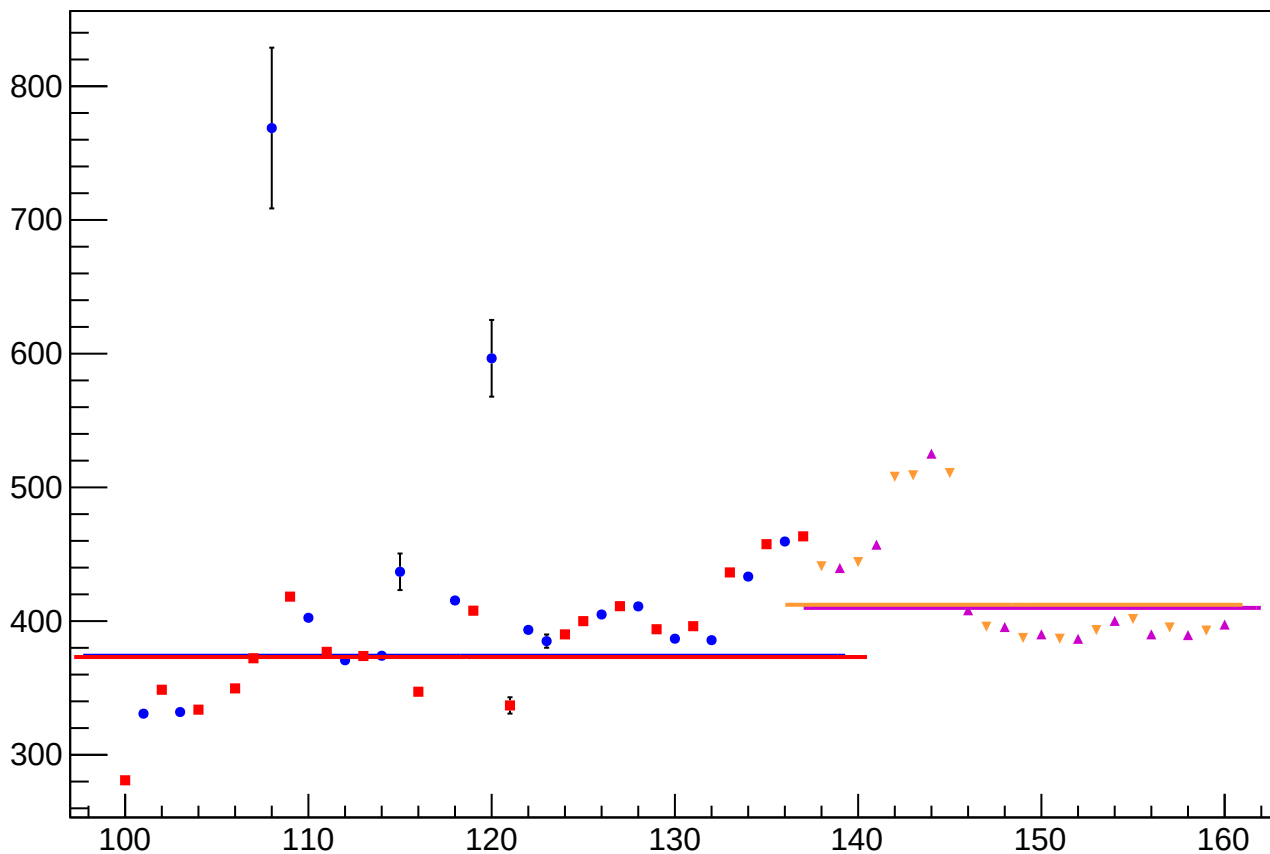
Right: -278.974 ± 0.110 $\chi^2/\text{NDF}: 136213.7/35$

In: -310.226 ± 0.102 $\chi^2/\text{NDF}: 159692.1/27$

Out: -304.423 ± 0.110 $\chi^2/\text{NDF}: 159374.6/30$

All: -307.541 ± 0.075 $\chi^2/\text{NDF}: 320574.6/58$

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094+/-0.000 χ^2/NDF : 35072.0/16

Left Out: 412.224+/-0.163 χ^2/NDF : 47993.6/11

Right Out: 373.134+/-0.158 χ^2/NDF : 108219.4/18

Left In: 409.887+/-0.130 χ^2/NDF : 59839.1/10

Left: 410.791+/-0.102 χ^2/NDF : 107958.1/22

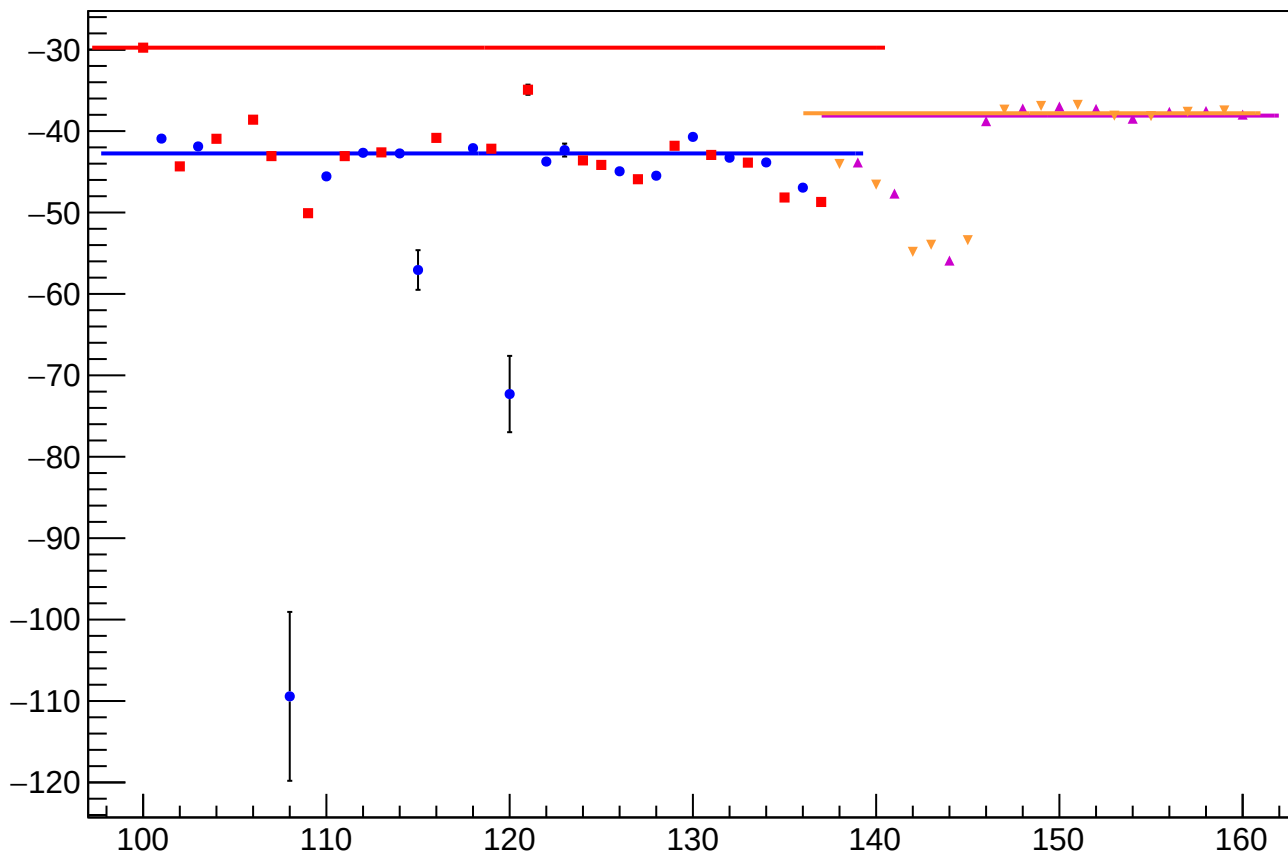
Right: 374.094+/-0.000 χ^2/NDF : 143328.3/35

In: 374.094+/-0.000 χ^2/NDF : 170923.2/27

Out: 392.005+/-0.114 χ^2/NDF : 185782.0/30

All: 374.094+/-0.000 χ^2/NDF : 381567.9/58

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744+/-0.000 χ^2/NDF : 13262.6/16

Left Out: -37.809+/-0.005 χ^2/NDF :249792.7/11

Right Out: -29.754+/-0.000 χ^2/NDF : 483930.3/18

Left In: -38.098+/-0.005 χ^2/NDF :144869.2/10

Left: -37.951+/-0.004 χ^2/NDF : 396213.9/22

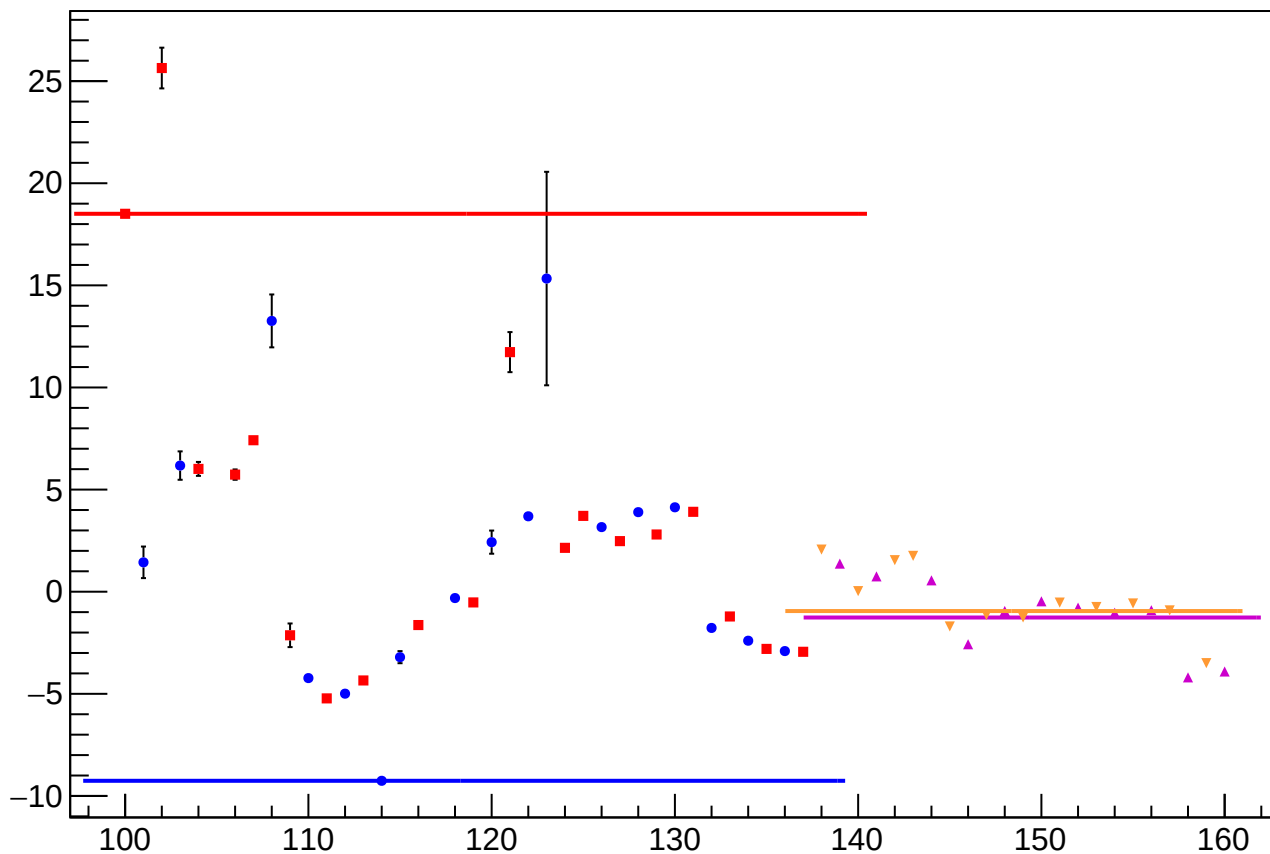
Right: -38.159+/-0.000 χ^2/NDF : 129765212680709

In: -42.744+/-0.000 χ^2/NDF :948751.4/27

Out: -29.754+/-0.000 χ^2/NDF :3195367.1/30

All: -38.159+/-0.000 χ^2/NDF : 129765212680

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 405850.5/16$

Left Out: -0.947 ± 0.008 $\chi^2/\text{NDF}: 29405.8/11$

Right Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 7366781.0/18$

Left In: -1.264 ± 0.008 $\chi^2/\text{NDF}: 42089.3/10$

Left: -1.115 ± 0.006 $\chi^2/\text{NDF}: 72285.1/22$

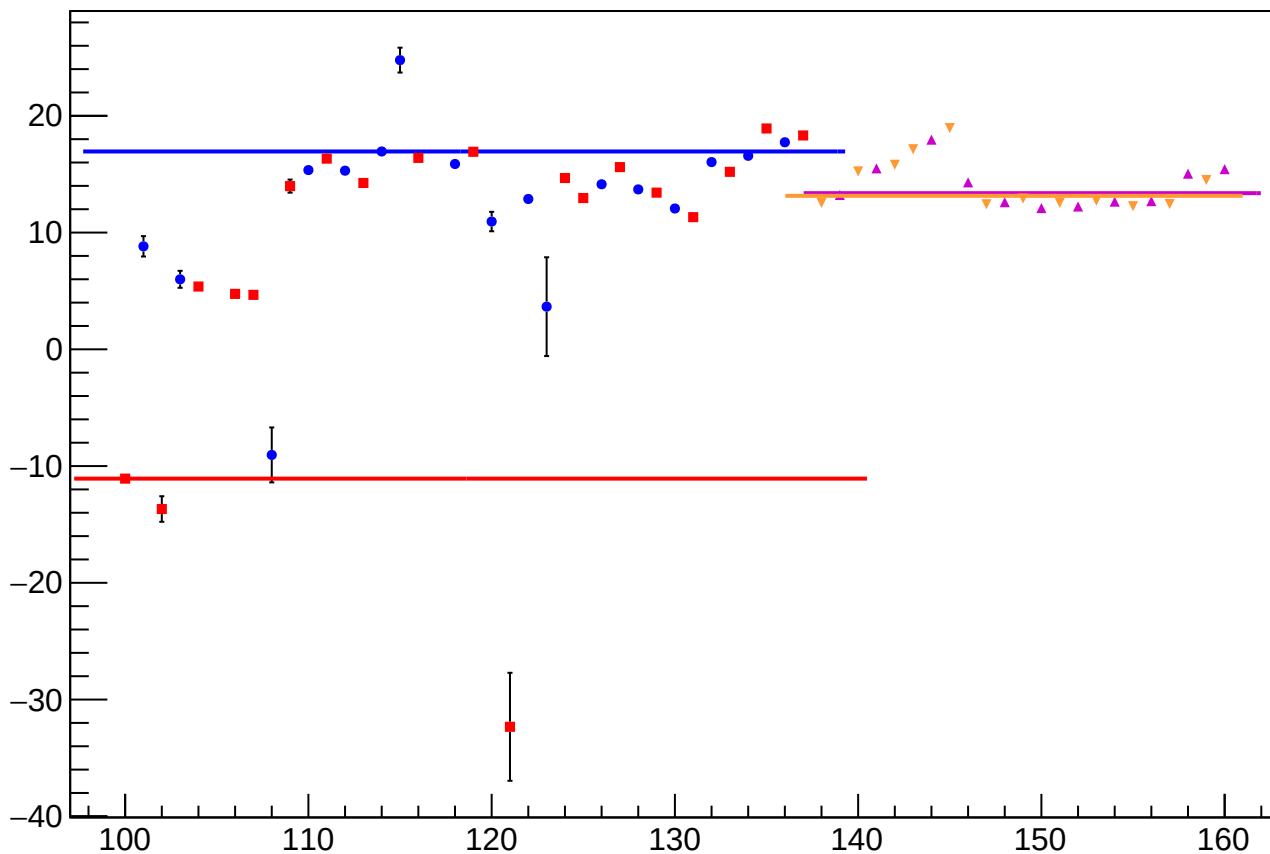
Right: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 1524639.5/27$

Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 13023745.1/30$

All: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 ± 0.000 $\chi^2/\text{NDF}: 11231.8/16$

Left Out: 13.148 ± 0.010 $\chi^2/\text{NDF}: 15460.2/11$

Right Out: -11.075 ± 0.000 $\chi^2/\text{NDF}: 2712010.0/18$

Left In: 13.375 ± 0.011 $\chi^2/\text{NDF}: 16068.9/10$

Left: 13.250 ± 0.007 $\chi^2/\text{NDF}: 31767.0/22$

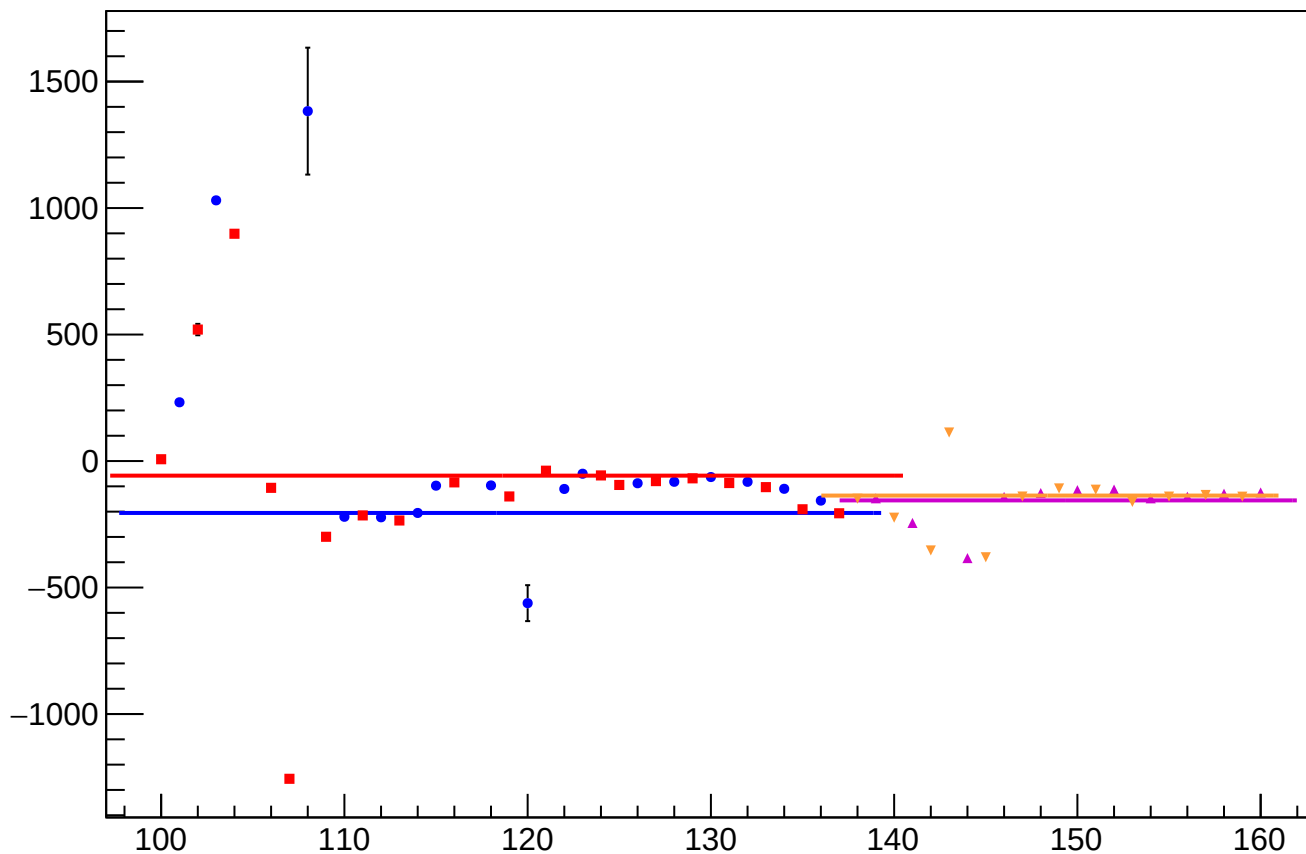
Right: -2.268 ± 0.000 $\chi^2/\text{NDF}: 4692527454635666$

In: 16.947 ± 0.000 $\chi^2/\text{NDF}: 133573.9/27$

Out: -11.075 ± 0.000 $\chi^2/\text{NDF}: 8710150.5/30$

All: -2.268 ± 0.000 $\chi^2/\text{NDF}: 4692527454635$

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160+/-0.000 χ^2/NDF : 582775.6/16

Left Out: -136.429+/-0.285 χ^2/NDF : 43145.5/11

Right Out: -57.684+/-0.283 χ^2/NDF : 114854.9/18

Left In: -155.557+/-0.337 χ^2/NDF : 39848.0/10

Left: -144.428+/-0.218 χ^2/NDF : 84872.3/22

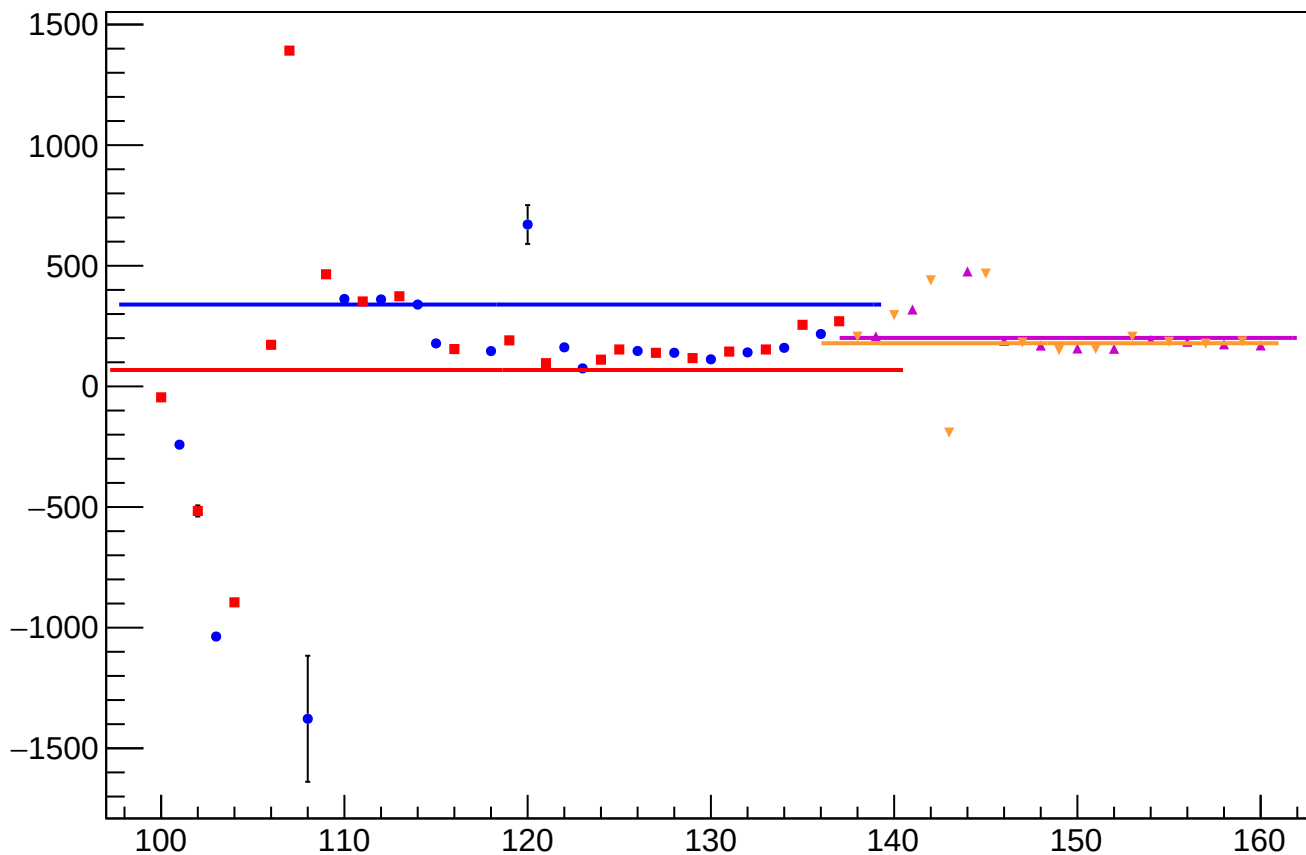
Right: -205.160+/-0.000 χ^2/NDF : 968522.3/35

In: -205.160+/-0.000 χ^2/NDF : 644340.5/27

Out: -96.775+/-0.201 χ^2/NDF : 196340.0/30

All: -205.160+/-0.000 χ^2/NDF : 1131235.1/58

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000 χ^2/NDF : 1030606.3/16

Left Out: 178.928+/-0.285 χ^2/NDF : 79064.0/11

Right Out: 68.024+/-0.286 χ^2/NDF : 272330.9/18

Left In: 201.003+/-0.341 χ^2/NDF : 46386.2/10

Left: 188.029+/-0.219 χ^2/NDF : 127918.7/22

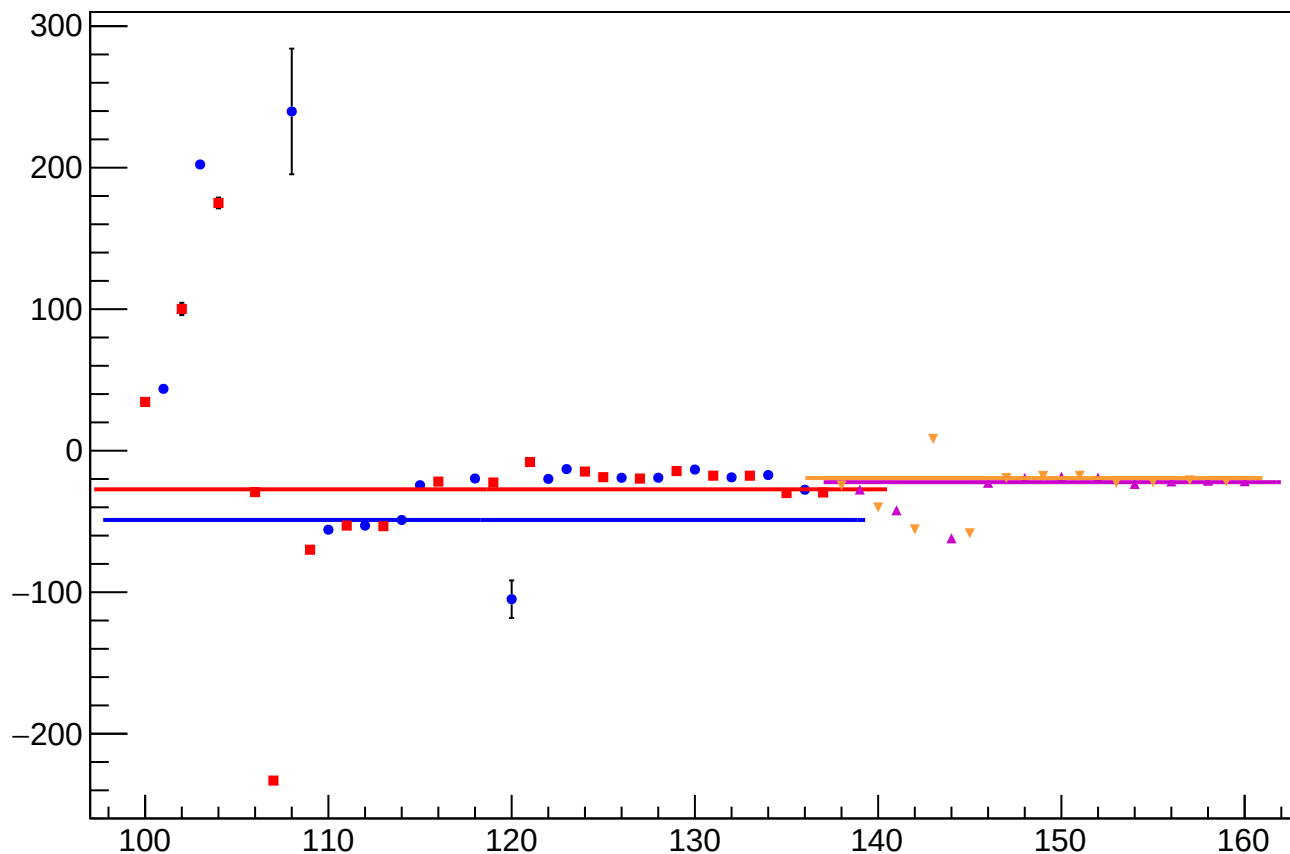
Right: 339.325+/-0.000 χ^2/NDF : 2202286.8/35

In: 339.325+/-0.000 χ^2/NDF : 1241904.8/27

Out: 123.631+/-0.202 χ^2/NDF : 426748.8/30

All: 339.325+/-0.000 χ^2/NDF : 2808764.8/58

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945 $\pm$ 0.000 χ^2 /NDF: 5408370.4/16

Left Out: -19.330 $\pm$ 0.013 χ^2 /NDF: 564337.0/11

Right Out: -27.303 $\pm$ 0.052 χ^2 /NDF: 167879.9/18

Left In: -22.249 $\pm$ 0.019 χ^2 /NDF: 119780.0/10

Left: -20.306 $\pm$ 0.011 χ^2 /NDF: 699871.0/22

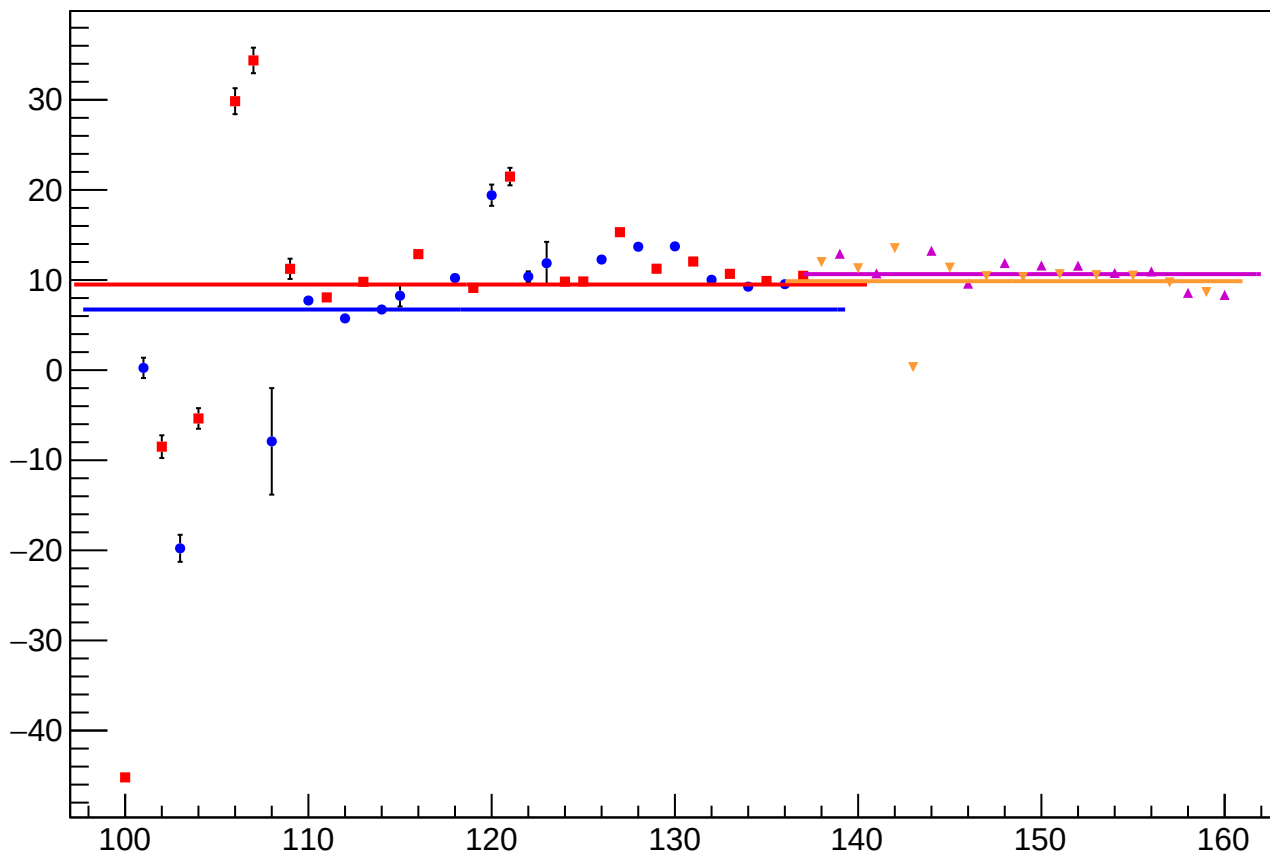
Right: -48.945 $\pm$ 0.000 χ^2 /NDF: 5751523.0/35

In: -48.945 $\pm$ 0.000 χ^2 /NDF: 7508336.2/27

Out: -19.835 $\pm$ 0.013 χ^2 /NDF: 754497.3/30

All: -48.945 $\pm$ 0.000 χ^2 /NDF: 13265786.0/58

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 $\pm$ 0.000 χ^2 /NDF: 13749.2/16

Left Out: 9.870 $\pm$ 0.020 χ^2 /NDF: 21480.4/11

Right Out: 9.502 $\pm$ 0.036 χ^2 /NDF: 26822.1/18

Left In: 10.656 $\pm$ 0.016 χ^2 /NDF: 7882.1/10

Left: 10.347 $\pm$ 0.012 χ^2 /NDF: 30338.5/22

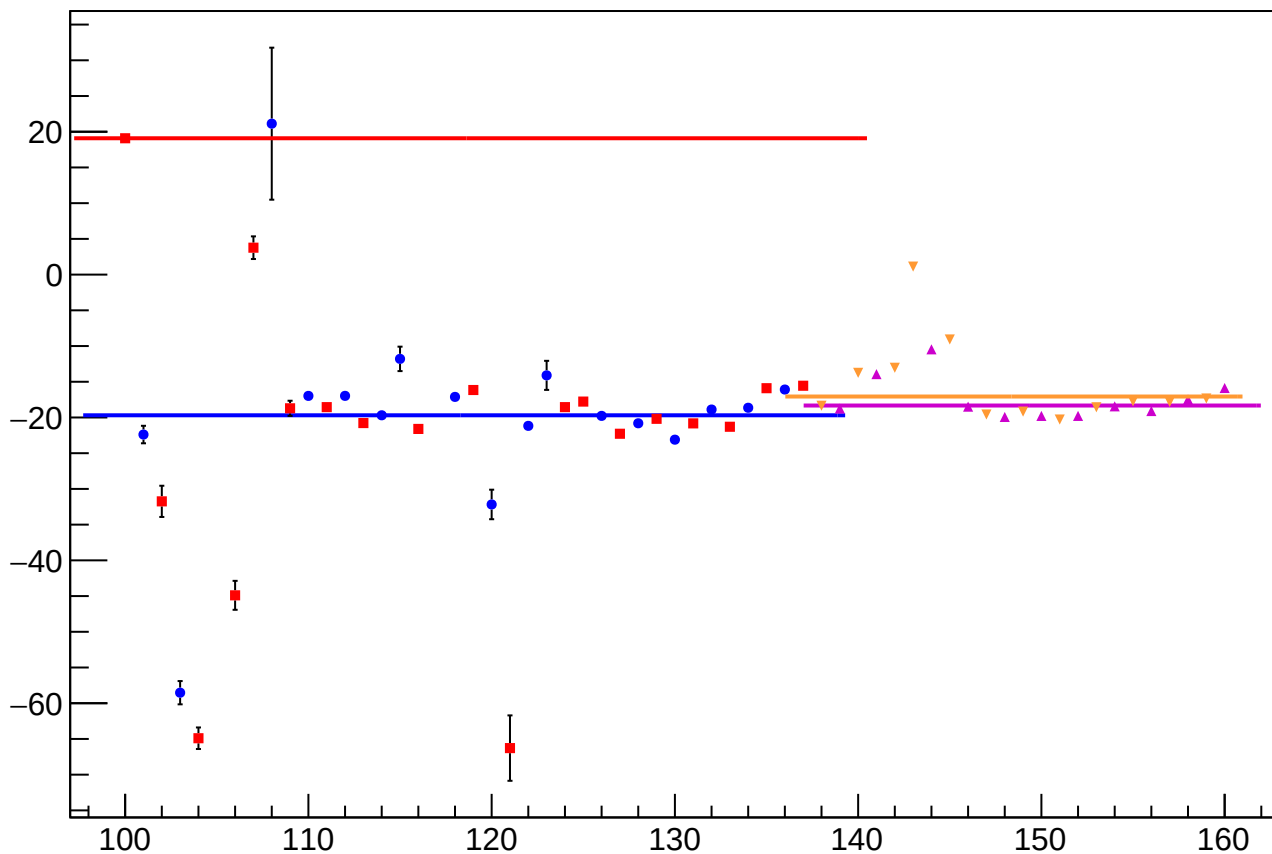
Right: 6.728 $\pm$ 0.000 χ^2 /NDF: 46635.2/35

In: 6.728 $\pm$ 0.000 χ^2 /NDF: 83696.4/27

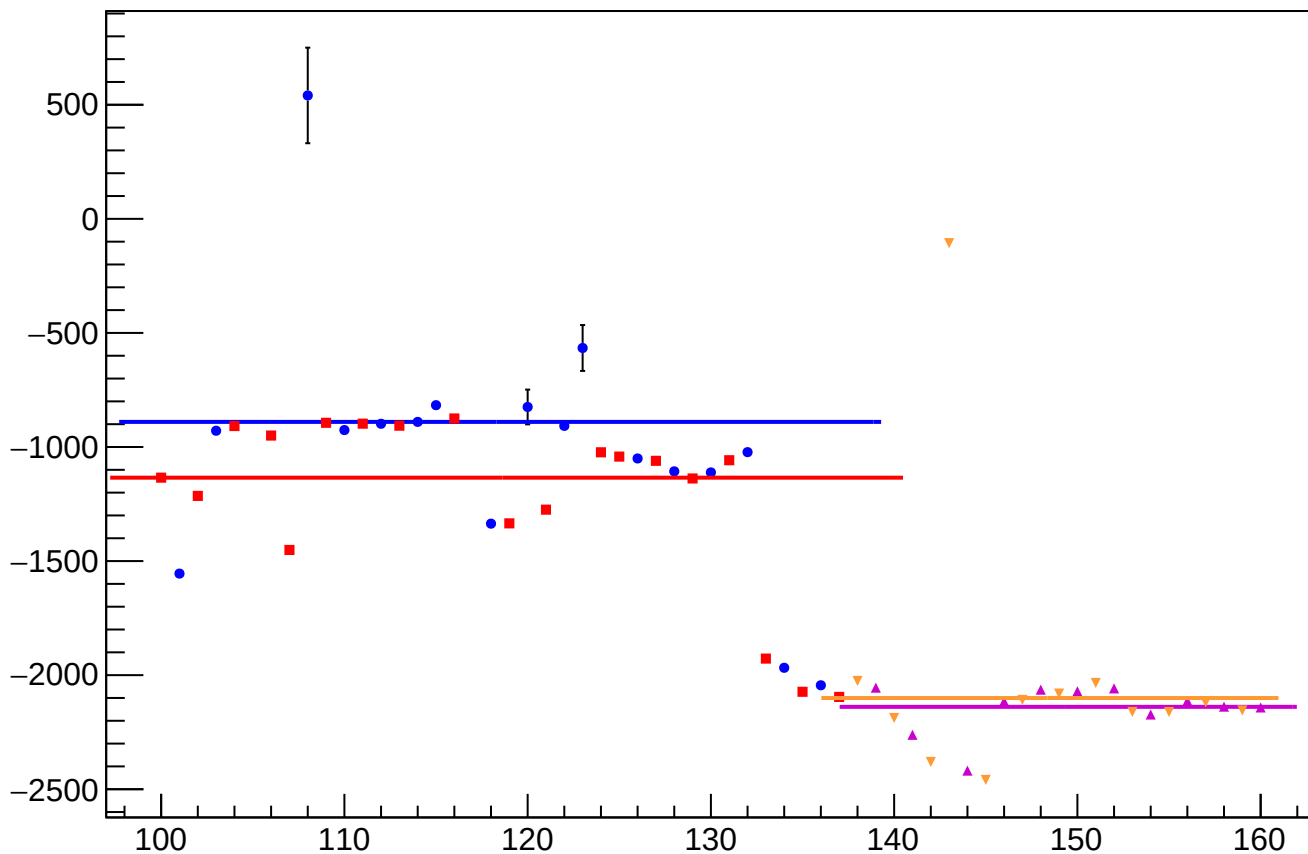
Out: 9.784 $\pm$ 0.017 χ^2 /NDF: 48384.5/30

All: 6.728 $\pm$ 0.000 χ^2 /NDF: 163763.8/58

dit_atl1_4eY_slope vs Slug, Sign Corrected



dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928+/-0.000 χ^2/NDF : 775896.0/16

Left Out: -2100.259+/-0.531 χ^2/NDF : 265007.4/11

Right Out: -1134.421+/-0.000 χ^2/NDF : 733812.0/18

Left In: -2138.956+/-0.518 χ^2/NDF : 31648.9/10

Left: -2120.096+/-0.371 χ^2/NDF : 299381.1/22

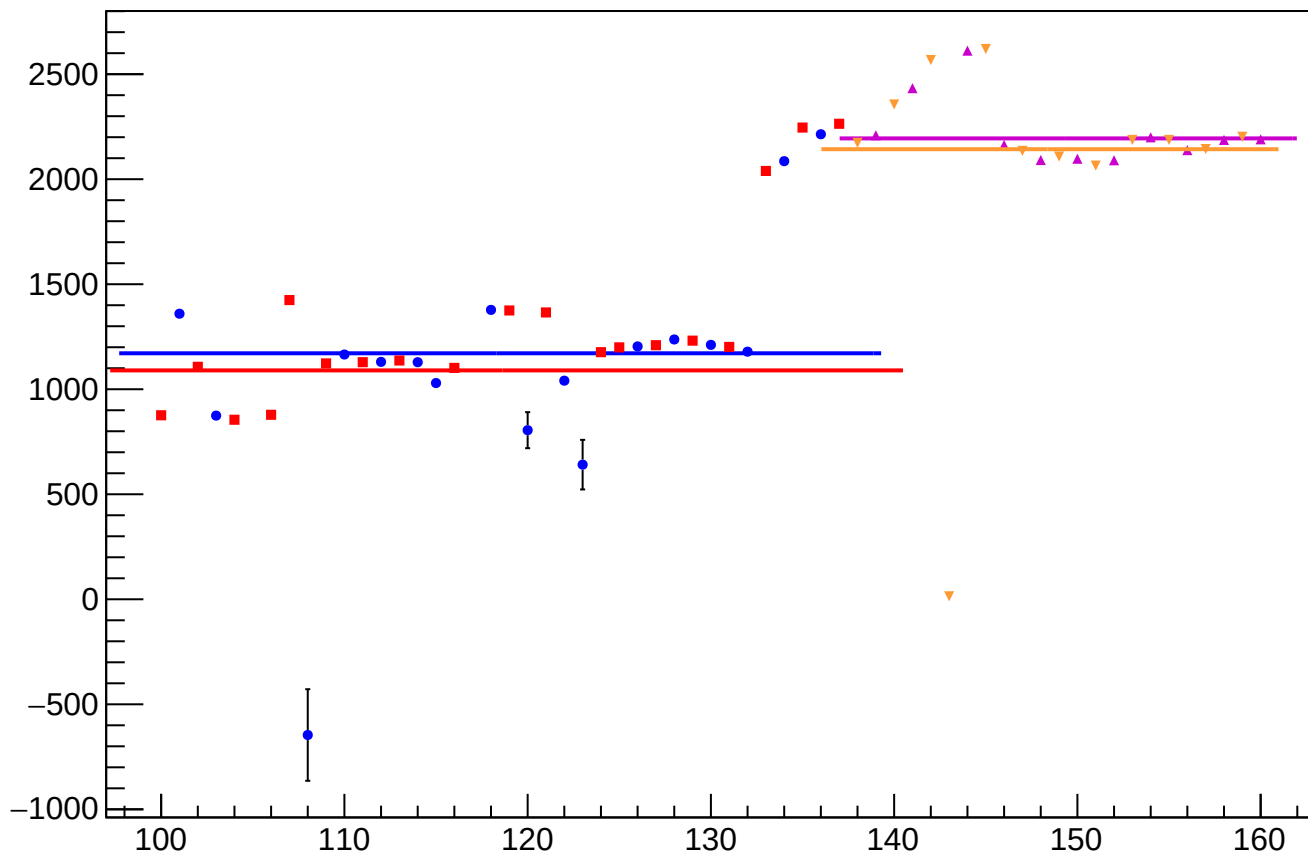
Right: -976.220+/-0.000 χ^2/NDF : 44889787387498

In: -889.928+/-0.000 χ^2/NDF : 6631858.3/27

Out: -1134.421+/-0.000 χ^2/NDF : 4309986.1/30

All: -976.220+/-0.000 χ^2/NDF : 44889787387

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1171.188 $\pm$ 0.245 χ^2 /NDF: 508989.2/16

Left Out: 2142.851 $\pm$ 0.525 χ^2 /NDF:303038.6/11

Right Out: 1089.705 $\pm$ 0.253 χ^2 /NDF: 1100321.6/18

Left In: 2194.257 $\pm$ 0.524 χ^2 /NDF:55516.4/10

Left: 2168.625 $\pm$ 0.371 χ^2 /NDF: 363354.8/22

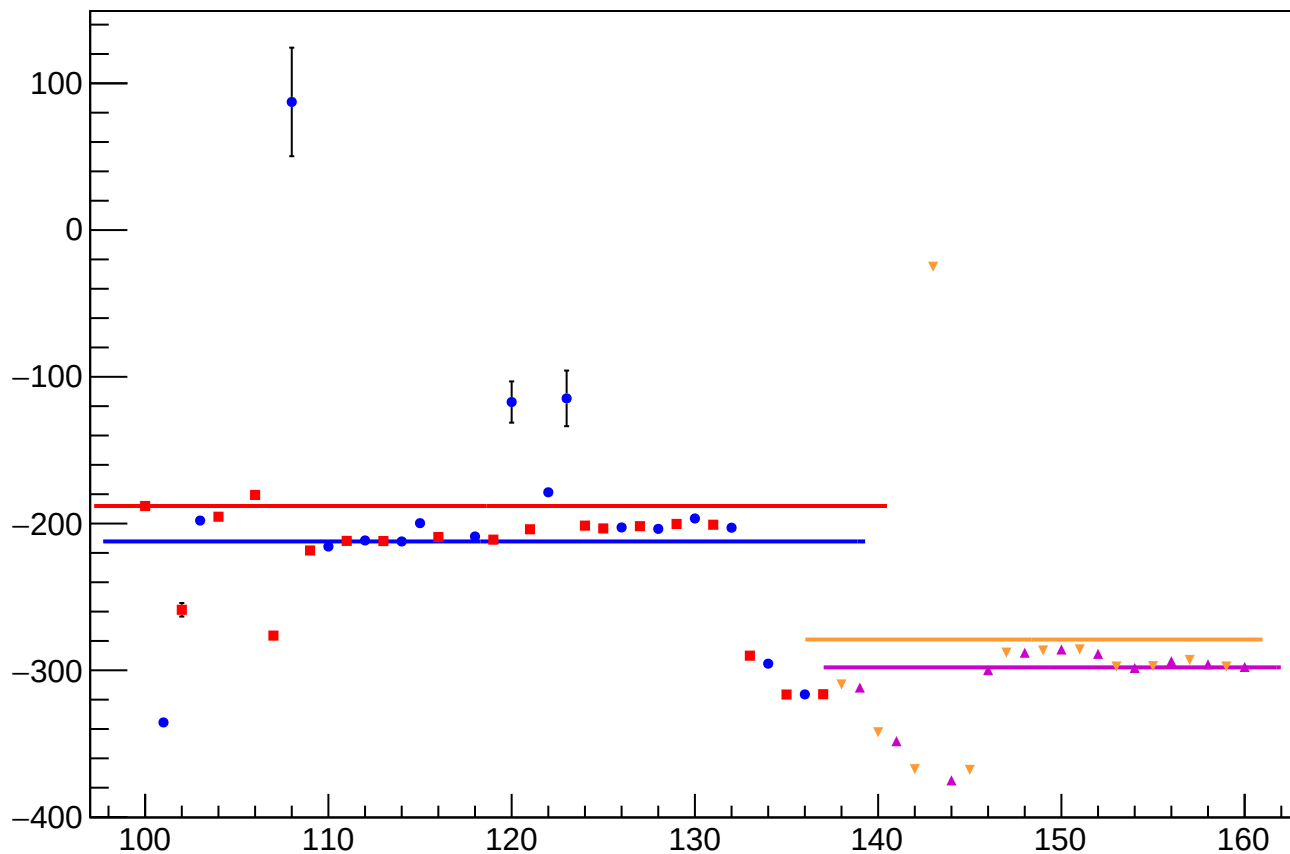
Right: 1131.764 $\pm$ 0.176 χ^2 /NDF: 1662665.0/35

In: 1355.204 $\pm$ 0.222 χ^2 /NDF:3691357.3/27

Out: 1288.505 $\pm$ 0.228 χ^2 /NDF:4662763.7/30

All: 1322.752 $\pm$ 0.159 χ^2 /NDF: 8397957.2/58

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190+/-0.000 χ^2/NDF : 1149195.1/16

Left Out: -279.041+/-0.028 χ^2/NDF : 5742439.7/11

Right Out: -188.033+/-0.000 χ^2/NDF : 602264.3/18

Left In: -298.012+/-0.028 χ^2/NDF : 275688.0/10

Left: -288.654+/-0.020 χ^2/NDF : 6244342.4/22

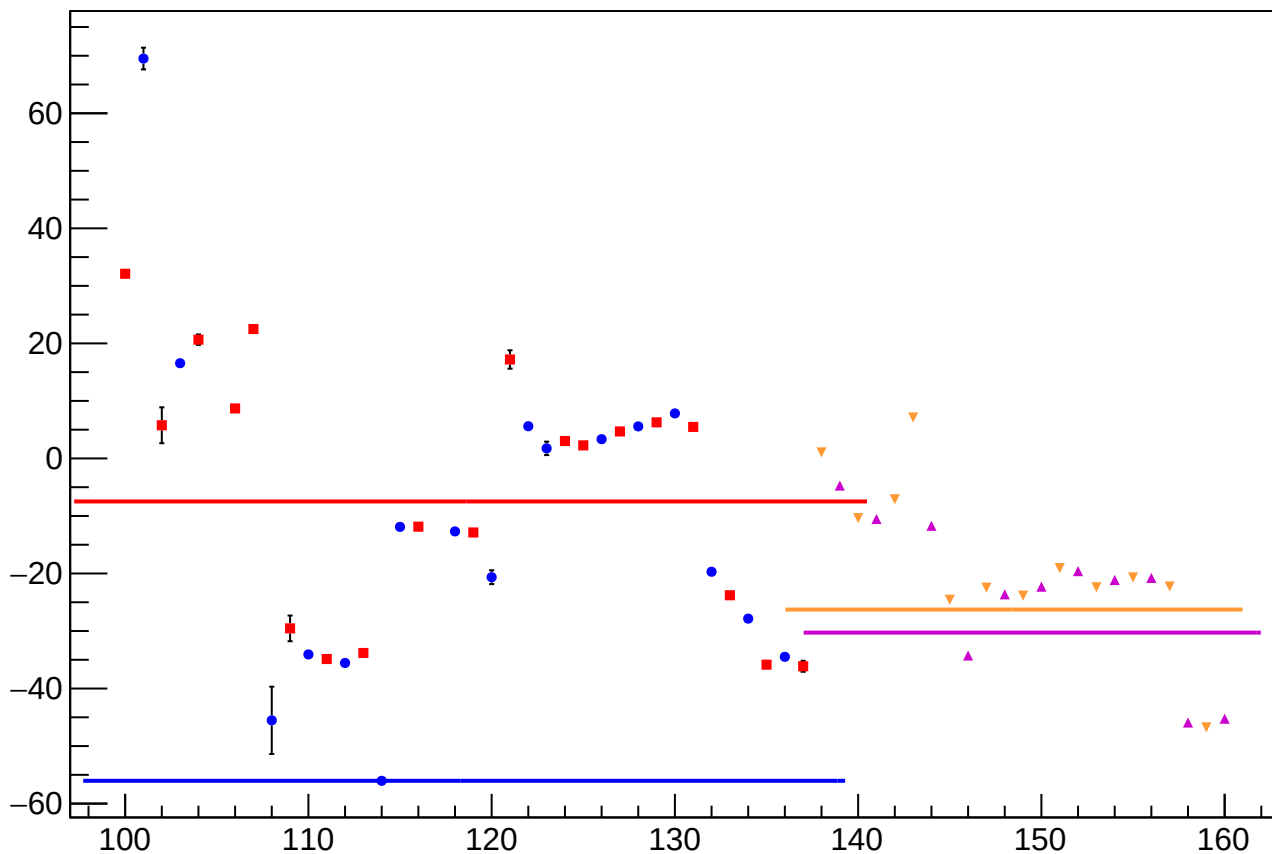
Right: -195.625+/-0.000 χ^2/NDF : 13622303625661

In: -212.190+/-0.000 χ^2/NDF : 10809193.0/27

Out: -188.033+/-0.000 χ^2/NDF : 16617777.0/30

All: -195.625+/-0.000 χ^2/NDF : 13622303625

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 1585420.7/16$

Left Out: -26.270 ± 0.028 $\chi^2/\text{NDF}: 204562.6/11$

Right Out: -7.476 ± 0.042 $\chi^2/\text{NDF}: 173893.8/18$

Left In: -30.275 ± 0.025 $\chi^2/\text{NDF}: 284182.4/10$

Left: -28.470 ± 0.019 $\chi^2/\text{NDF}: 500012.3/22$

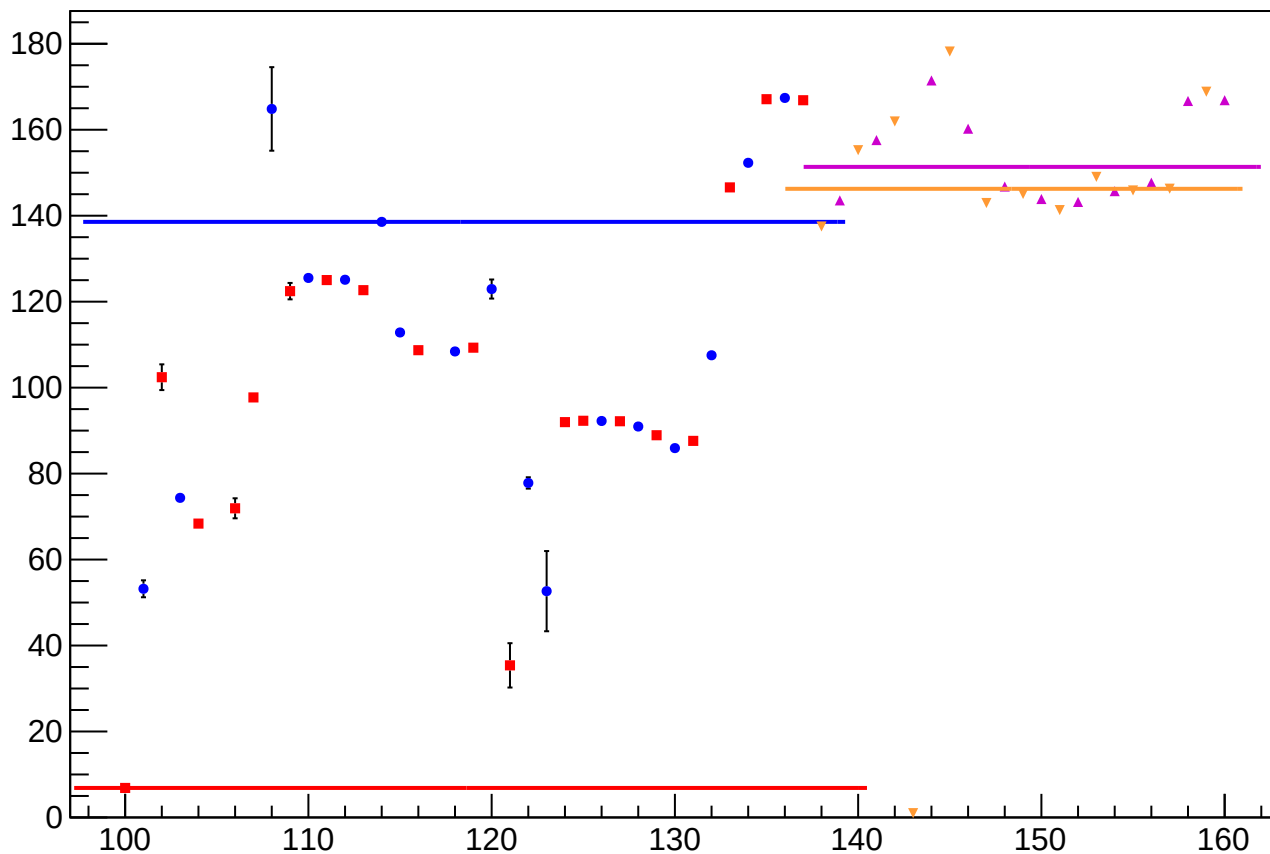
Right: -56.037 ± 0.000 $\chi^2/\text{NDF}: 3084882.3/35$

In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 2903905.5/27$

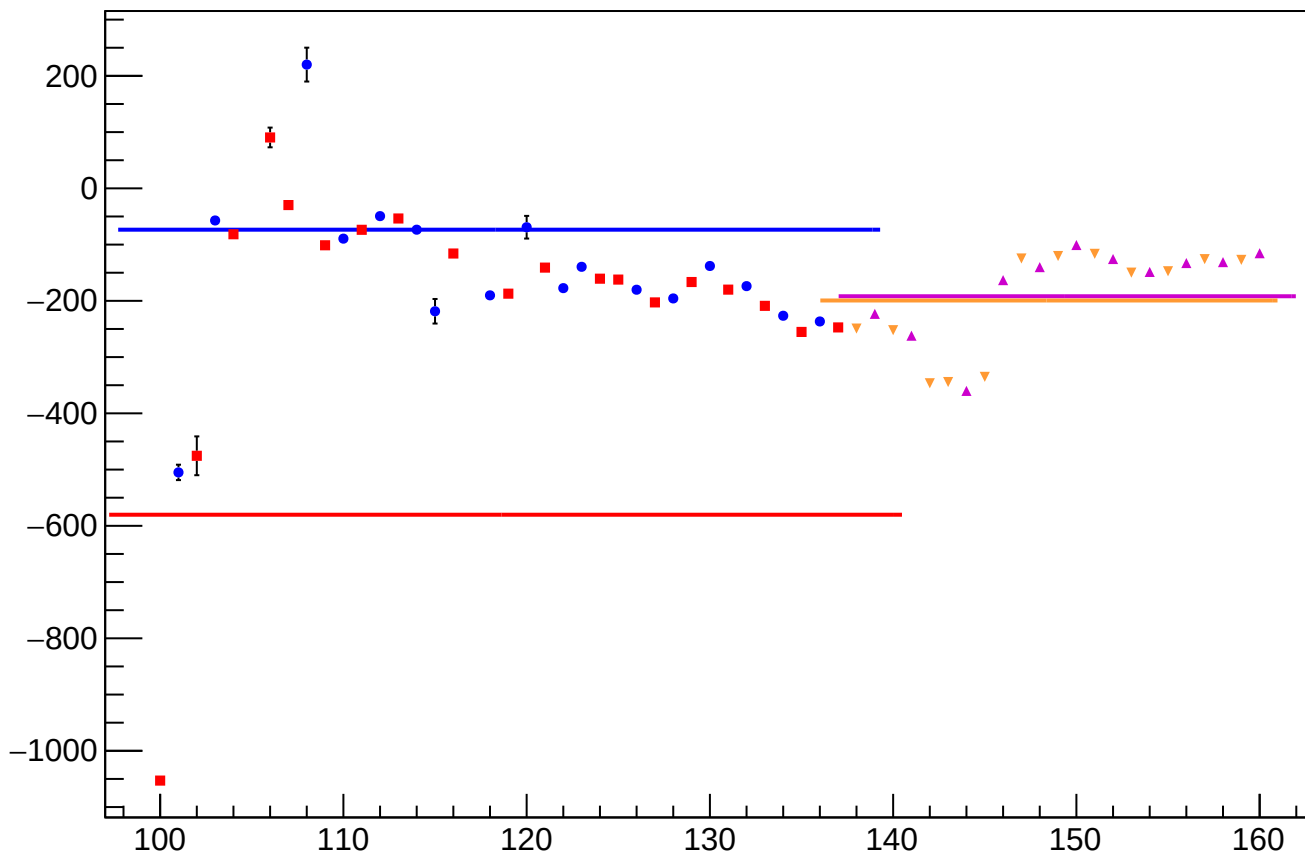
Out: -20.531 ± 0.023 $\chi^2/\text{NDF}: 516374.9/30$

All: -56.037 ± 0.000 $\chi^2/\text{NDF}: 5740892.0/58$

dit_atl2_4eY_slope vs Slug, Sign Corrected



dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 98703.2/16$

Left Out: -199.355 ± 0.332 $\chi^2/\text{NDF}: 60005.3/11$

Right Out: -580.262 ± 0.261 $\chi^2/\text{NDF}: 3031609.5/18$

Left In: -191.826 ± 0.356 $\chi^2/\text{NDF}: 56005.8/10$

Left: -195.852 ± 0.243 $\chi^2/\text{NDF}: 116250.6/22$

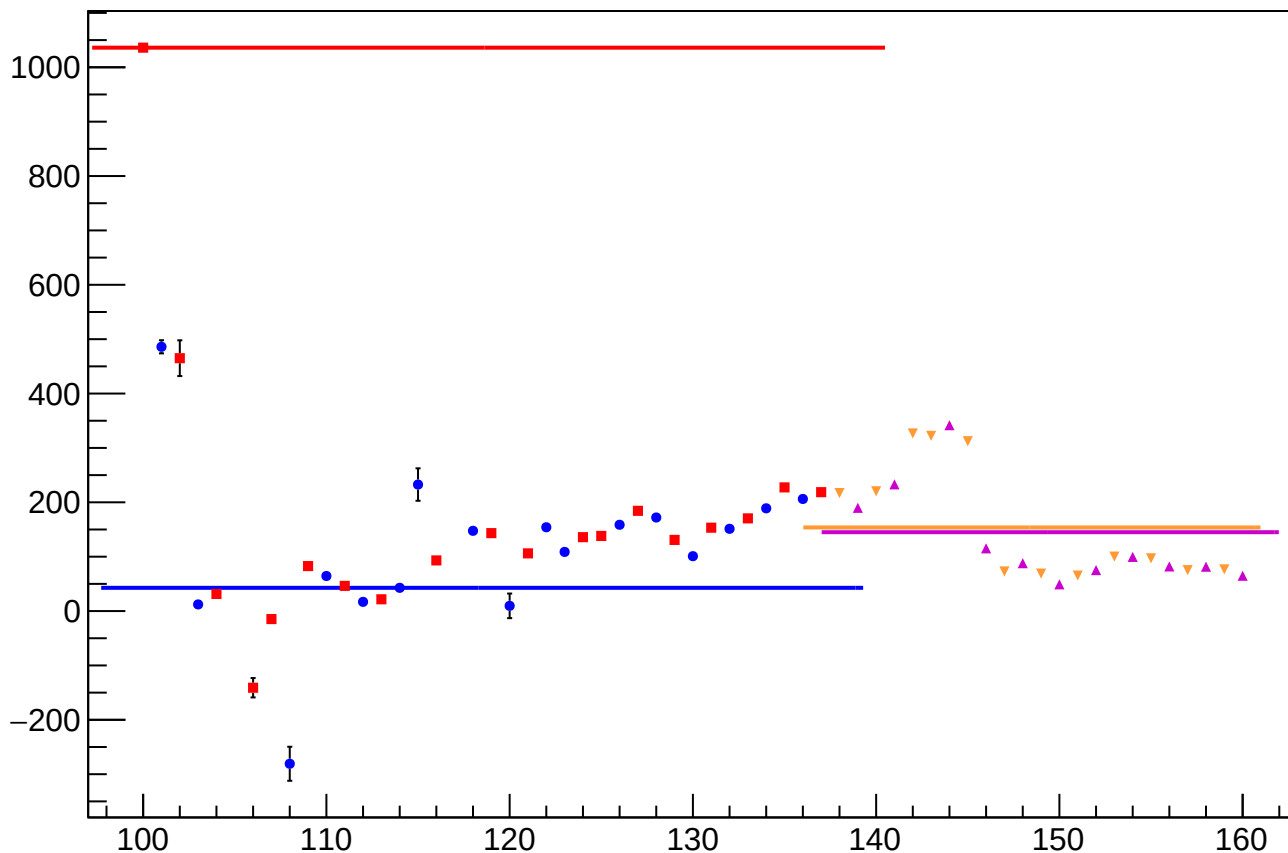
Right: -73.485 ± 0.000 $\chi^2/\text{NDF}: 6902096.9/35$

In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 265284.4/27$

Out: -434.772 ± 0.205 $\chi^2/\text{NDF}: 3905505.5/30$

All: -73.485 ± 0.000 $\chi^2/\text{NDF}: 7272481.3/58$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 84599.8/16

Left Out: 153.768+/-0.337 χ^2/NDF : 74151.8/11

Right Out: 1036.068+/-0.000 χ^2/NDF : 4933722.5/18

Left In: 145.032+/-0.364 χ^2/NDF : 65359.5/10

Left: 149.737+/-0.247 χ^2/NDF : 139821.9/22

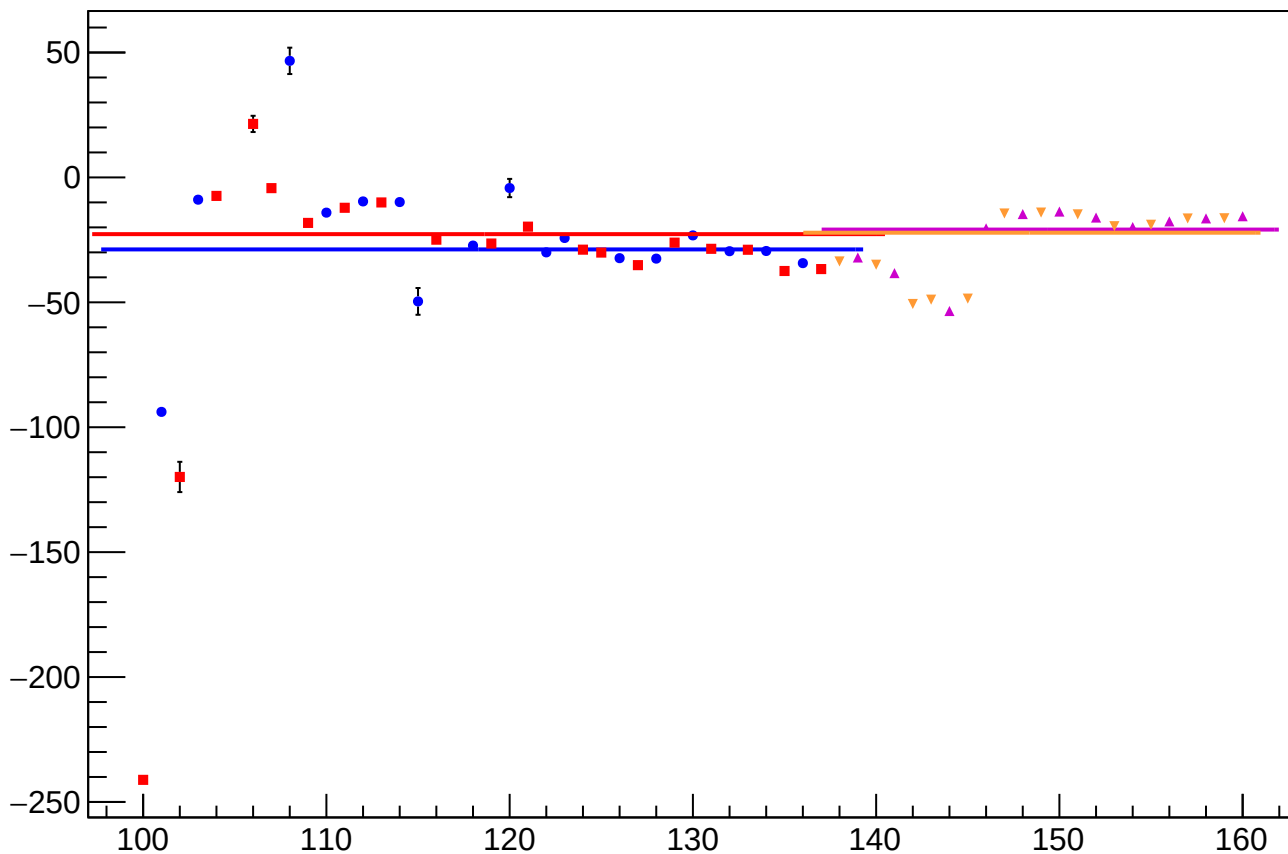
Right: 43.272+/-0.000 χ^2/NDF : 1144517497266833

In: 42.743+/-0.000 χ^2/NDF : 229035.8/27

Out: 1036.068+/-0.000 χ^2/NDF : 11872438.7/30

All: 43.272+/-0.000 χ^2/NDF : 1144517497266

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.822 ± 0.035 χ^2/NDF : 49503.4/16

Left Out: -22.131 ± 0.017 χ^2/NDF : 322060.4/11

Right Out: -22.707 ± 0.038 χ^2/NDF : 410174.9/18

Left In: -20.881 ± 0.020 χ^2/NDF : 187232.8/10

Left: -21.622 ± 0.013 χ^2/NDF : 511534.3/22

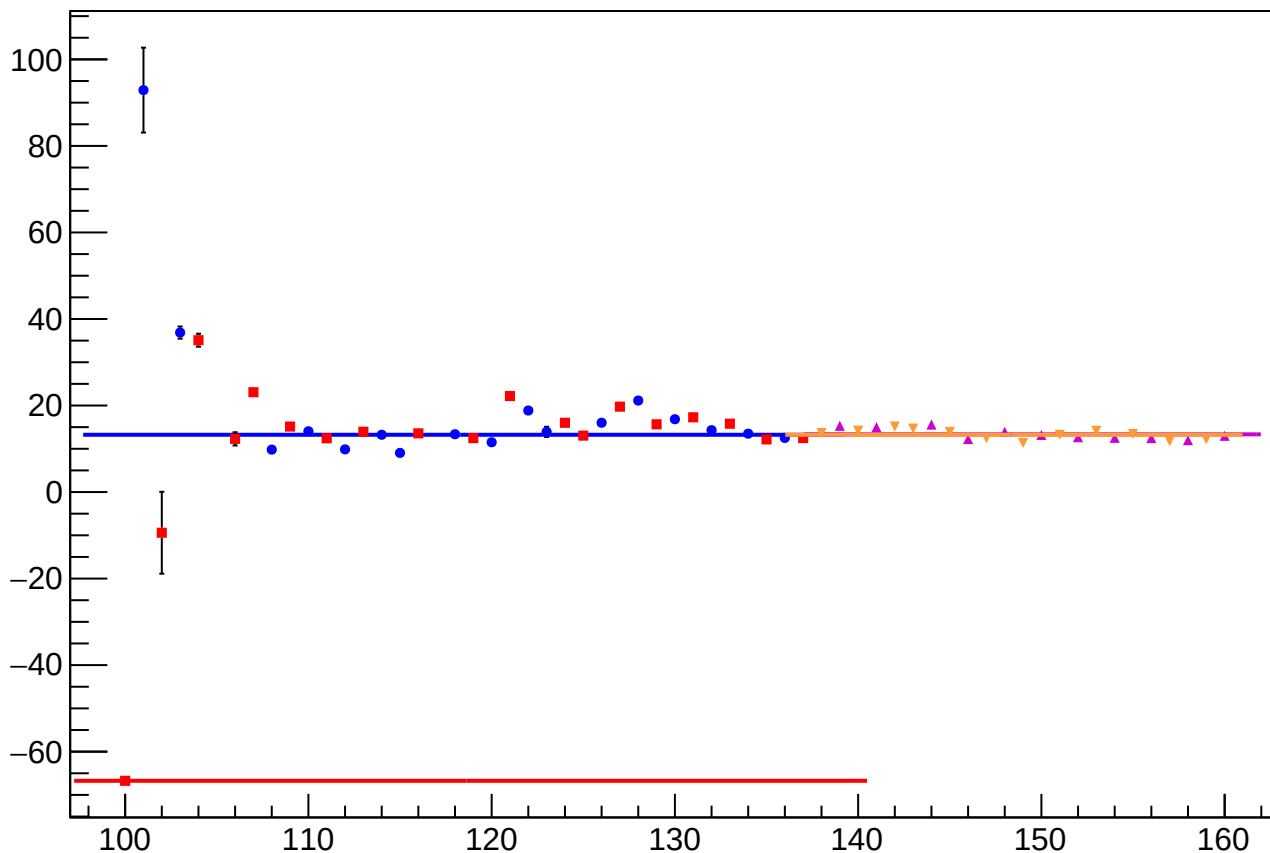
Right: -26.045 ± 0.026 χ^2/NDF : 473753.1/35

In: -22.907 ± 0.018 χ^2/NDF : 275661.1/27

Out: -22.226 ± 0.015 χ^2/NDF : 732426.3/30

All: -22.523 ± 0.012 χ^2/NDF : 1008938.5/58

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238 $\pm$ 0.000 χ^2 /NDF: 5756.1/16

Left Out: 13.234 $\pm$ 0.017 χ^2 /NDF: 3654.4/11

Right Out: -66.739 $\pm$ 0.000 χ^2 /NDF: 3023648.4/18

Left In: 13.336 $\pm$ 0.017 χ^2 /NDF: 4408.1/10

Left: 13.285 $\pm$ 0.012 χ^2 /NDF: 8079.8/22

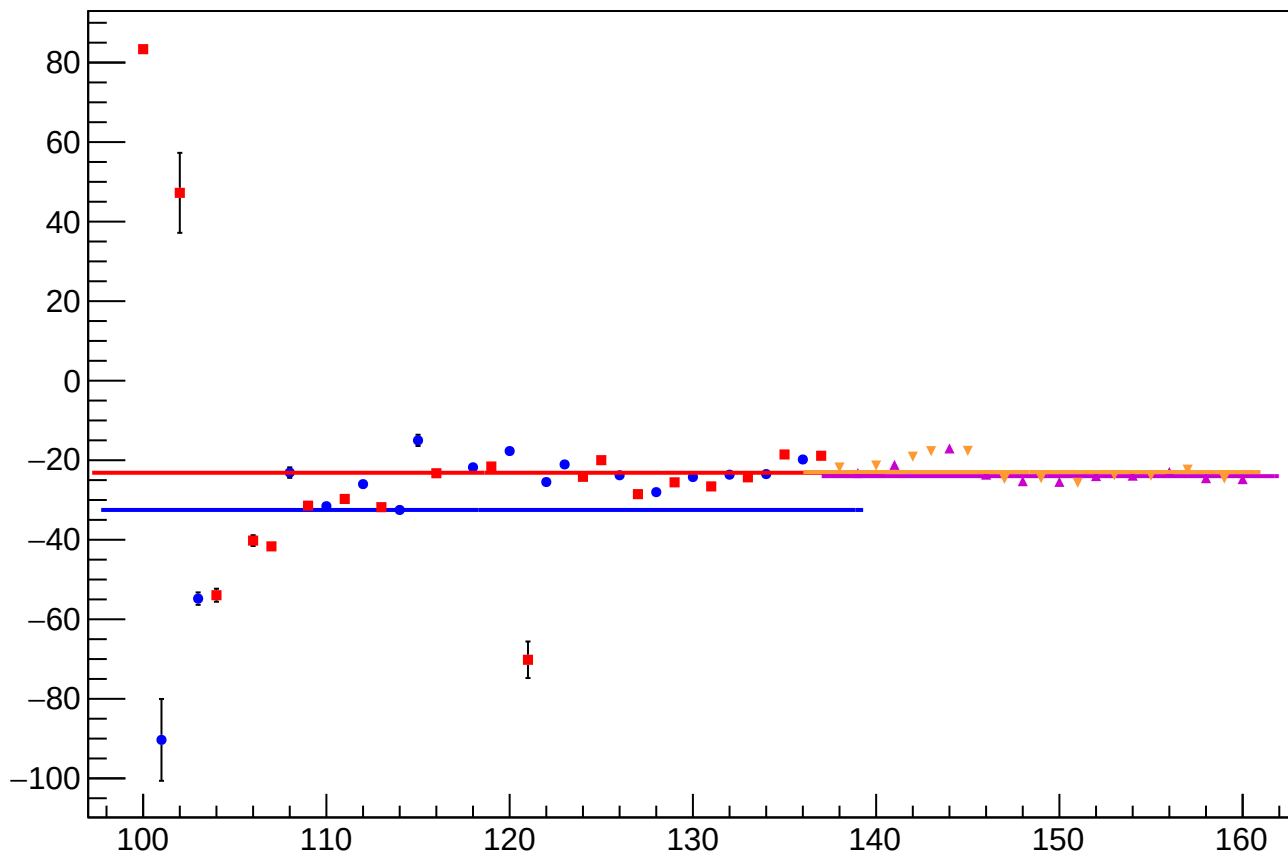
Right: 12.562 $\pm$ 0.000 χ^2 /NDF: 1884310027651005

In: 13.238 $\pm$ 0.000 χ^2 /NDF: 10196.1/27

Out: -66.739 $\pm$ 0.000 χ^2 /NDF: 24332017.8/30

All: 12.562 $\pm$ 0.000 χ^2 /NDF: 1884310027651

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 ± 0.000 $\chi^2/\text{NDF}: 74187.4/16$

Left Out: -22.965 ± 0.023 $\chi^2/\text{NDF}: 11399.7/11$

Right Out: -23.151 ± 0.048 $\chi^2/\text{NDF}: 90749.4/18$

Left In: -24.005 ± 0.020 $\chi^2/\text{NDF}: 6127.3/10$

Left: -23.563 ± 0.015 $\chi^2/\text{NDF}: 18681.1/22$

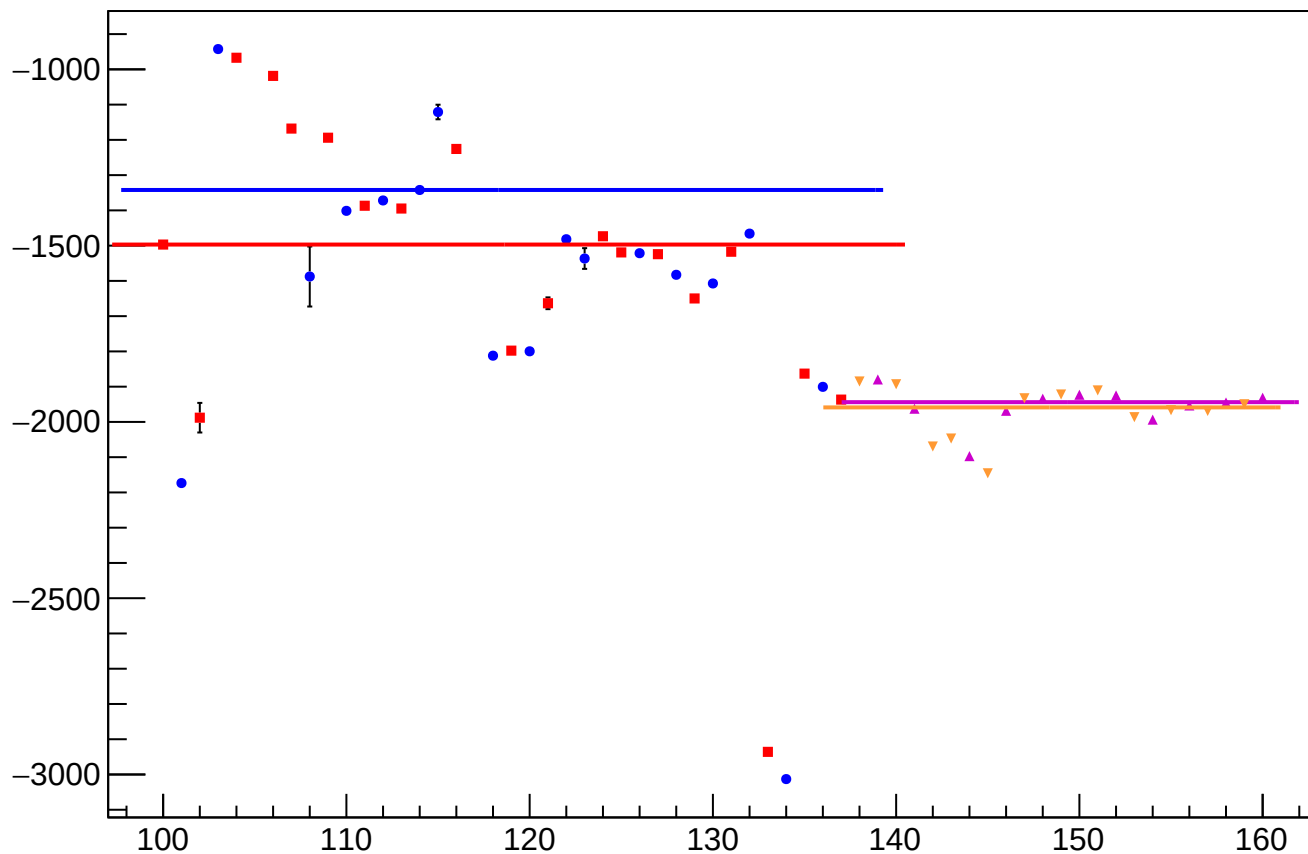
Right: -32.504 ± 0.000 $\chi^2/\text{NDF}: 203519.3/35$

In: -32.504 ± 0.000 $\chi^2/\text{NDF}: 261826.9/27$

Out: -23.001 ± 0.021 $\chi^2/\text{NDF}: 102161.4/30$

All: -32.504 ± 0.000 $\chi^2/\text{NDF}: 571574.0/58$

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107 $\pm$ 0.000 χ^2 /NDF: 370901.4/16

Left Out: -1958.833 $\pm$ 0.452 χ^2 /NDF:14207.3/11

Right Out: -1496.932 $\pm$ 0.000 χ^2 /NDF: 504712.5/18

Left In: -1943.933 $\pm$ 0.353 χ^2 /NDF:15866.6/10

Left: -1949.580 $\pm$ 0.278 χ^2 /NDF: 30750.1/22

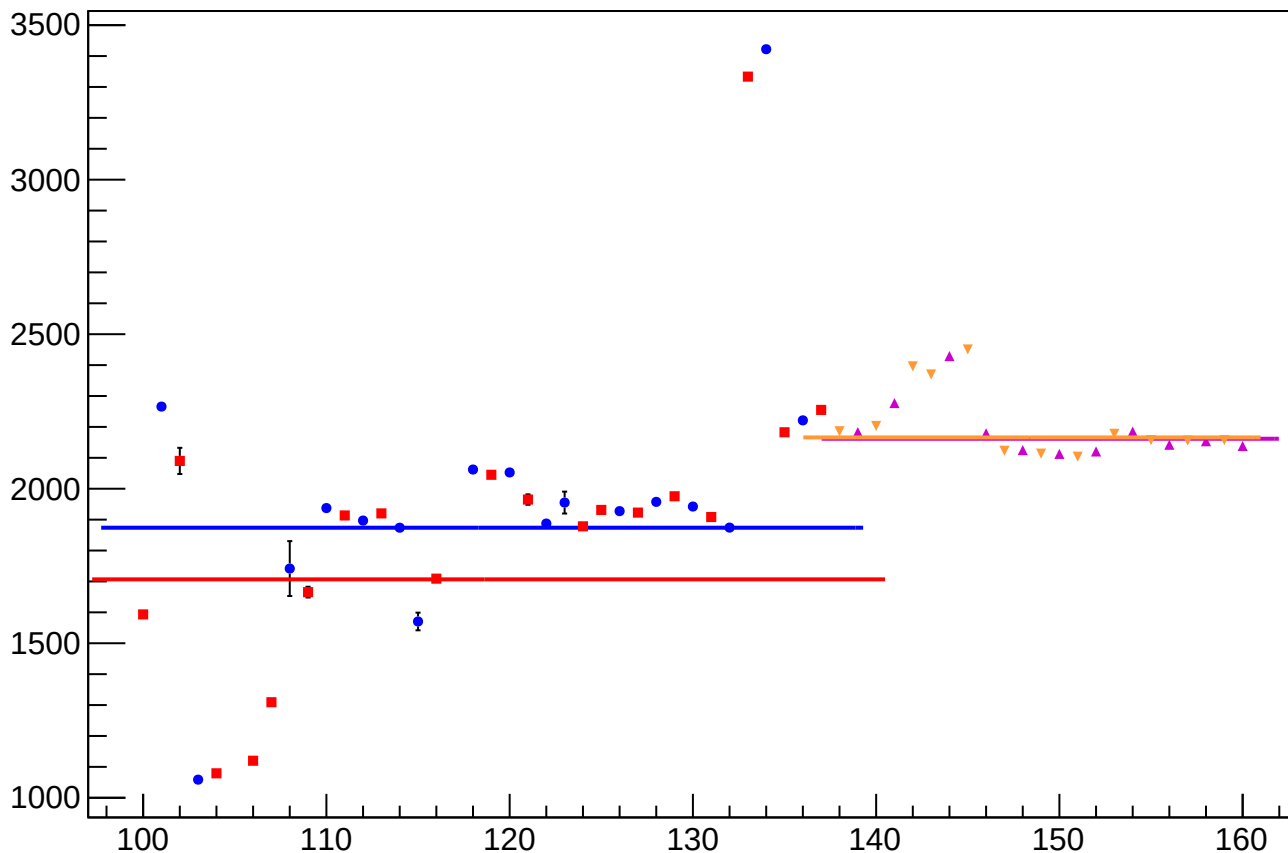
Right: -1396.751 $\pm$ 0.000 χ^2 /NDF: 1800086126763

In: -1342.107 $\pm$ 0.000 χ^2 /NDF:3297650.5/27

Out: -1496.932 $\pm$ 0.000 χ^2 /NDF:1565368.8/30

All: -1396.751 $\pm$ 0.000 χ^2 /NDF: 1800086126

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852 $\pm$ 0.000 χ^2 /NDF: 201563.9/16

Left Out: 2165.944 $\pm$ 0.455 χ^2 /NDF: 27231.4/11

Right Out: 1706.739 $\pm$ 0.302 χ^2 /NDF: 837936.9/18

Left In: 2161.712 $\pm$ 0.354 χ^2 /NDF: 36554.6/10

Left: 2163.307 $\pm$ 0.279 χ^2 /NDF: 63839.9/22

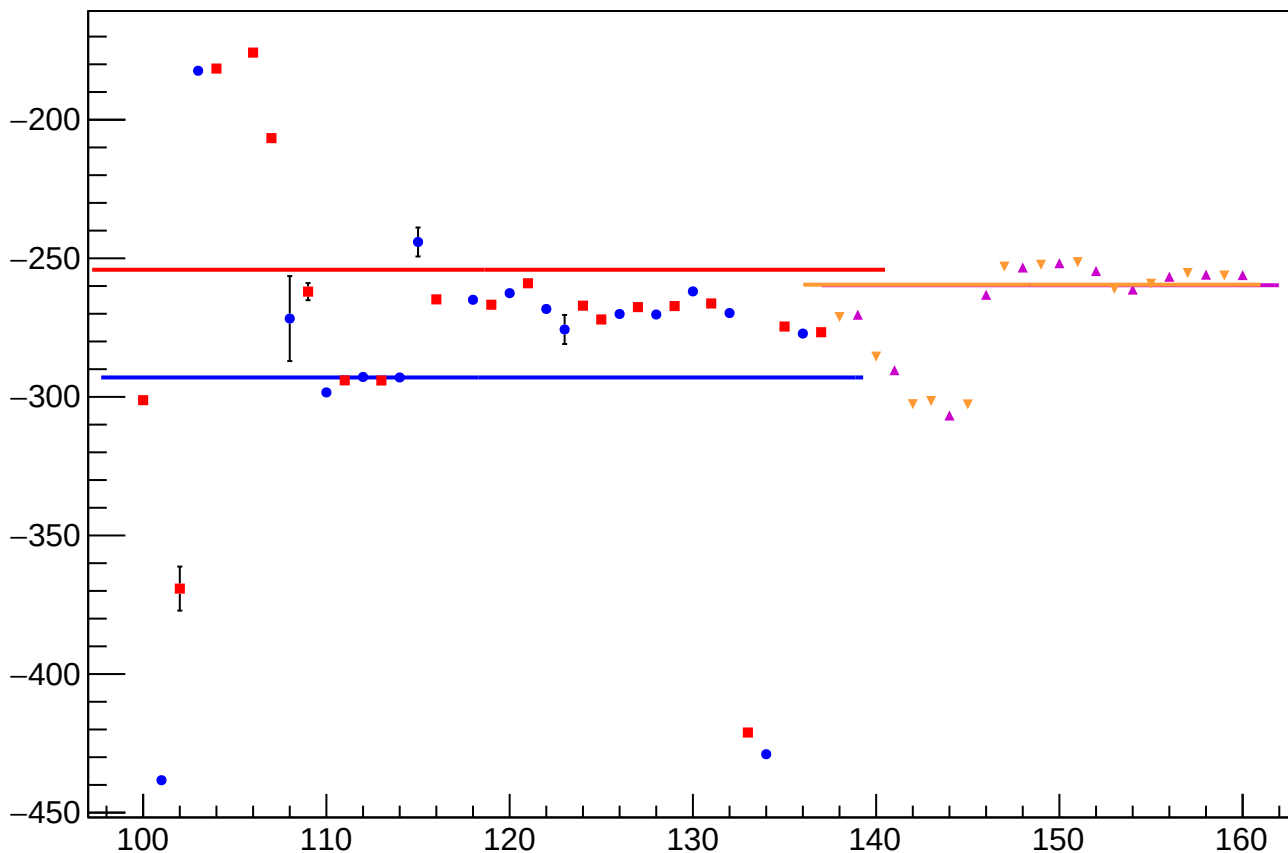
Right: 1873.852 $\pm$ 0.000 χ^2 /NDF: 1344906.8/35

In: 1873.852 $\pm$ 0.000 χ^2 /NDF: 900550.1/27

Out: 1847.469 $\pm$ 0.252 χ^2 /NDF: 1571894.5/30

All: 1873.852 $\pm$ 0.000 χ^2 /NDF: 2483420.2/58

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1015592.4/16$

Left Out: -259.506 ± 0.025 $\chi^2/\text{NDF}: 192891.0/11$

Right Out: -254.119 ± 0.059 $\chi^2/\text{NDF}: 502658.5/18$

Left In: -259.703 ± 0.021 $\chi^2/\text{NDF}: 240310.3/10$

Left: -259.622 ± 0.016 $\chi^2/\text{NDF}: 433236.8/22$

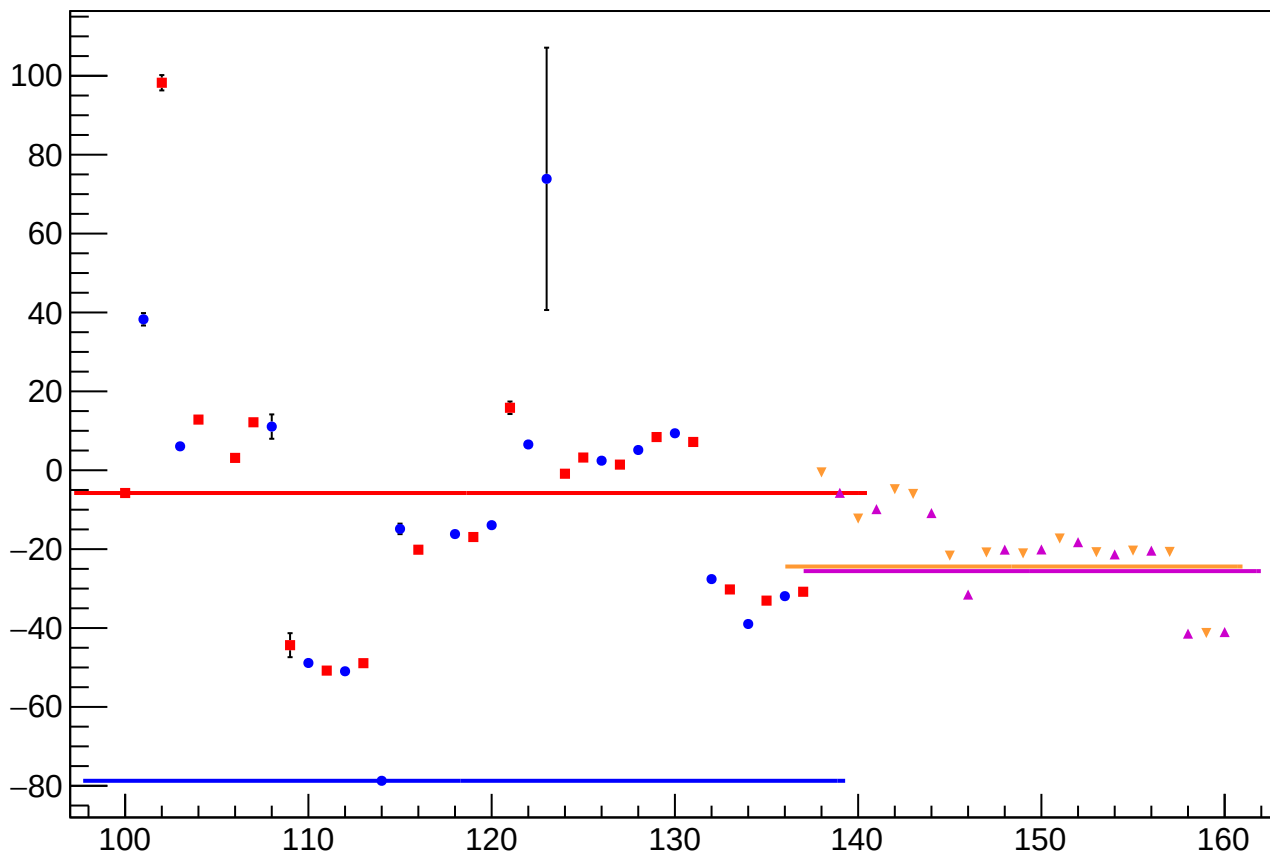
Right: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1952225.7/35$

In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 3714460.9/27$

Out: -258.663 ± 0.023 $\chi^2/\text{NDF}: 702583.1/30$

All: -292.986 ± 0.000 $\chi^2/\text{NDF}: 6579759.3/58$

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 ± 0.000 χ^2/NDF : 1399088.3/16

Left Out: -24.405 ± 0.026 χ^2/NDF : 159201.8/11

Right Out: -5.769 ± 0.000 χ^2/NDF : 111570.1/18

Left In: -25.571 ± 0.021 χ^2/NDF : 283864.9/10

Left: -25.119 ± 0.016 χ^2/NDF : 444274.4/22

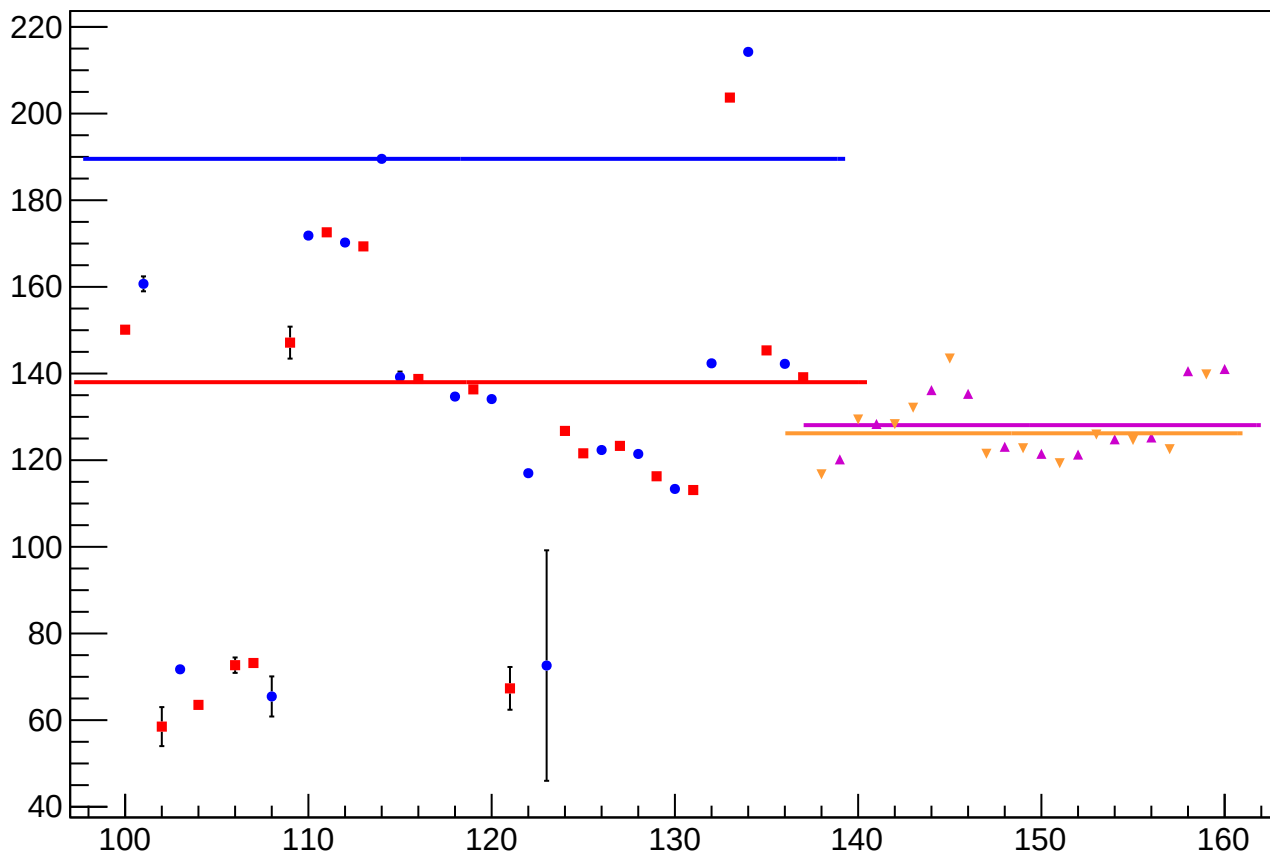
Right: -6.288 ± 0.000 χ^2/NDF : 2878797679293380

In: -78.728 ± 0.000 χ^2/NDF : 8161902.8/27

Out: -5.769 ± 0.000 χ^2/NDF : 774126.5/30

All: -6.288 ± 0.000 χ^2/NDF : 2878797679293

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 $\pm$ 0.000 χ^2 /NDF: 927391.8/16

Left Out: 126.206 $\pm$ 0.030 χ^2 /NDF: 46970.5/11

Right Out: 138.002 $\pm$ 0.059 χ^2 /NDF: 117357.8/18

Left In: 128.089 $\pm$ 0.030 χ^2 /NDF: 67179.7/10

Left: 127.142 $\pm$ 0.021 χ^2 /NDF: 116068.8/22

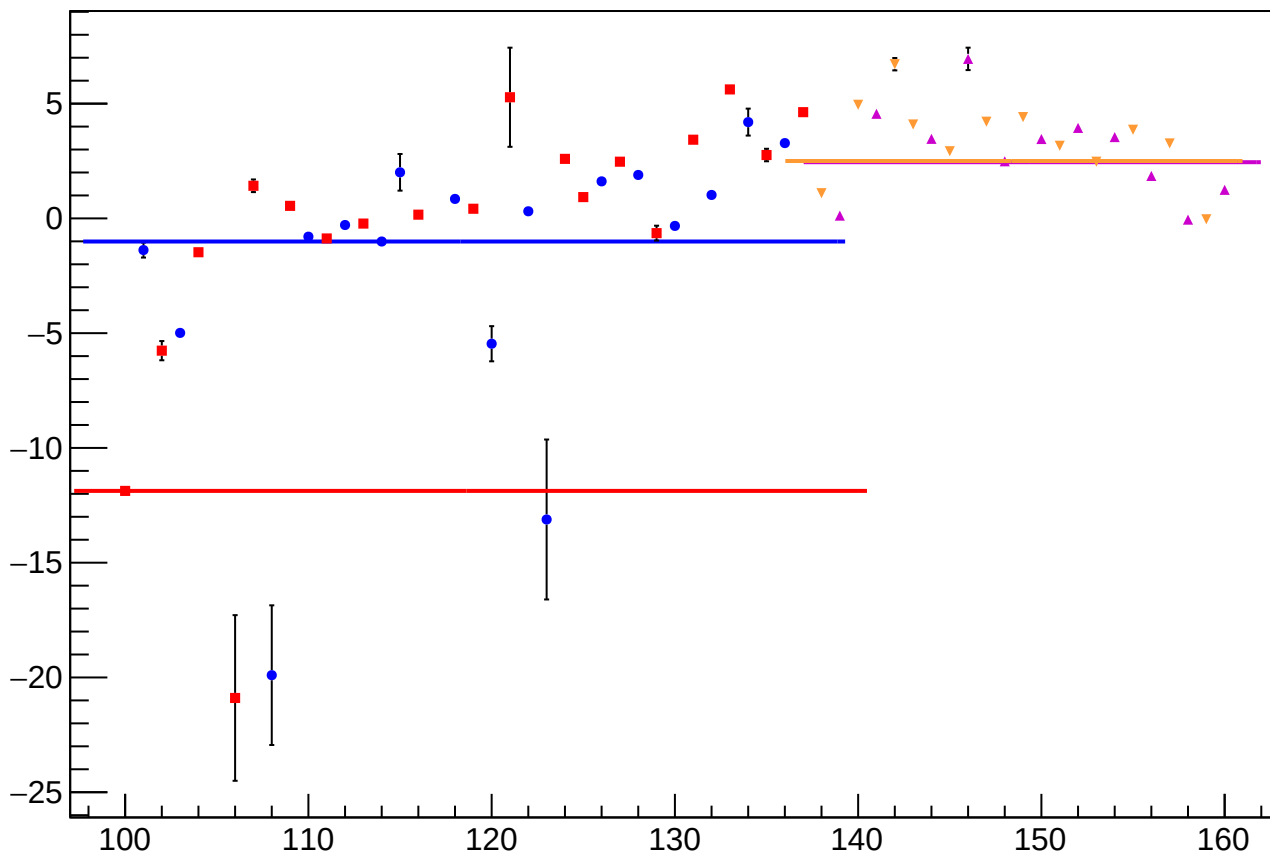
Right: 189.551 $\pm$ 0.000 χ^2 /NDF: 1806450.5/35

In: 189.551 $\pm$ 0.000 χ^2 /NDF: 5060900.1/27

Out: 128.665 $\pm$ 0.027 χ^2 /NDF: 195899.9/30

All: 189.551 $\pm$ 0.000 χ^2 /NDF: 10354088.3/58

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007±/0.000 χ^2/NDF : 7057.7/16

Left Out: 2.500±/0.028 χ^2/NDF :4720.6/11

Right Out: -11.872±/0.000 χ^2/NDF : 503632.2/18

Left In: 2.448±/0.020 χ^2/NDF :6145.9/10

Left: 2.466±/0.016 χ^2/NDF : 10868.8/22

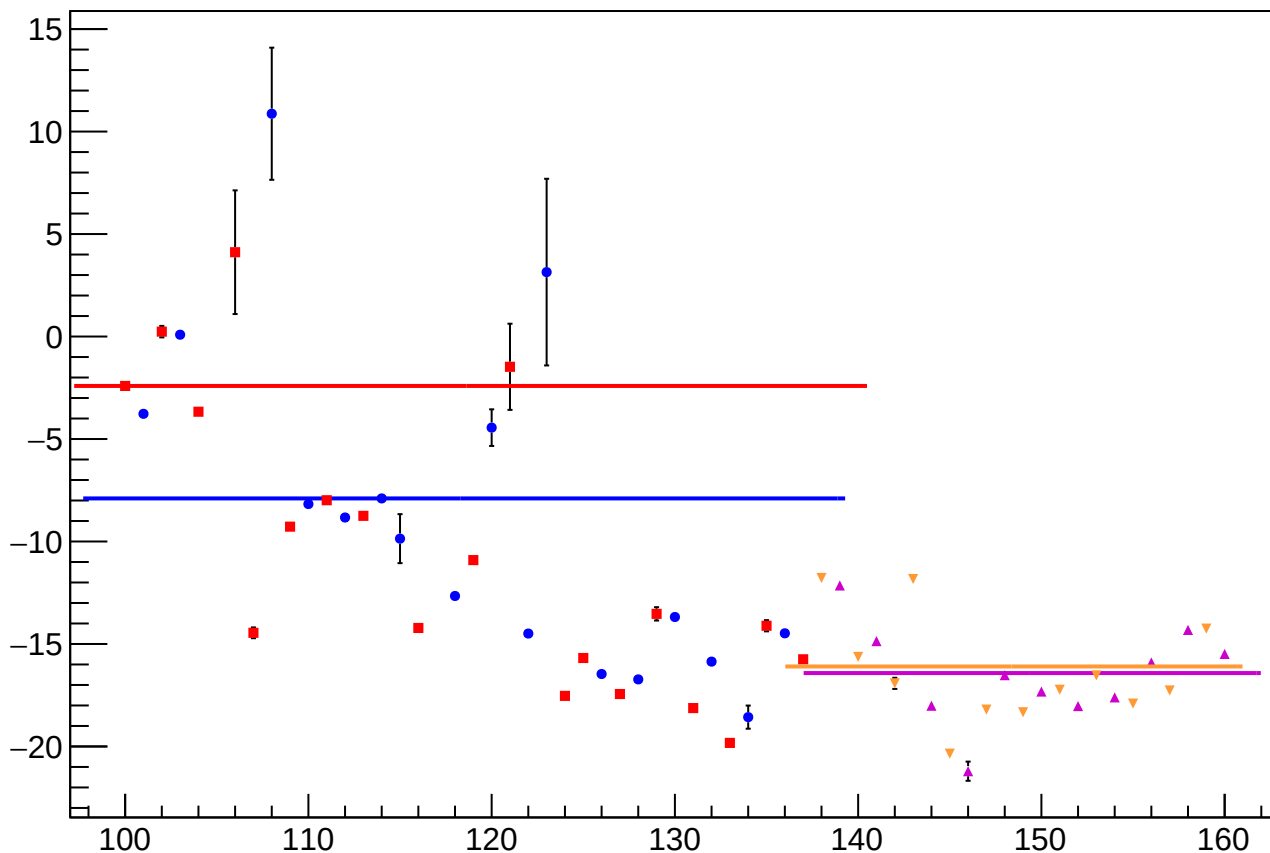
Right: -1.365±/0.000 χ^2/NDF : 2170760676638215

In: -1.007±/0.000 χ^2/NDF :43806.7/27

Out: -11.872±/0.000 χ^2/NDF :774231.6/30

All: -1.365±/0.000 χ^2/NDF : 2170760676638

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -7.899 ± 0.000 $\chi^2/\text{NDF}: 39443.5/16$

Left Out: -16.098 ± 0.028 $\chi^2/\text{NDF}: 5971.7/11$

Right Out: -2.410 ± 0.000 $\chi^2/\text{NDF}: 203043.8/18$

Left In: -16.418 ± 0.021 $\chi^2/\text{NDF}: 5069.8/10$

Left: -16.303 ± 0.017 $\chi^2/\text{NDF}: 11127.7/22$

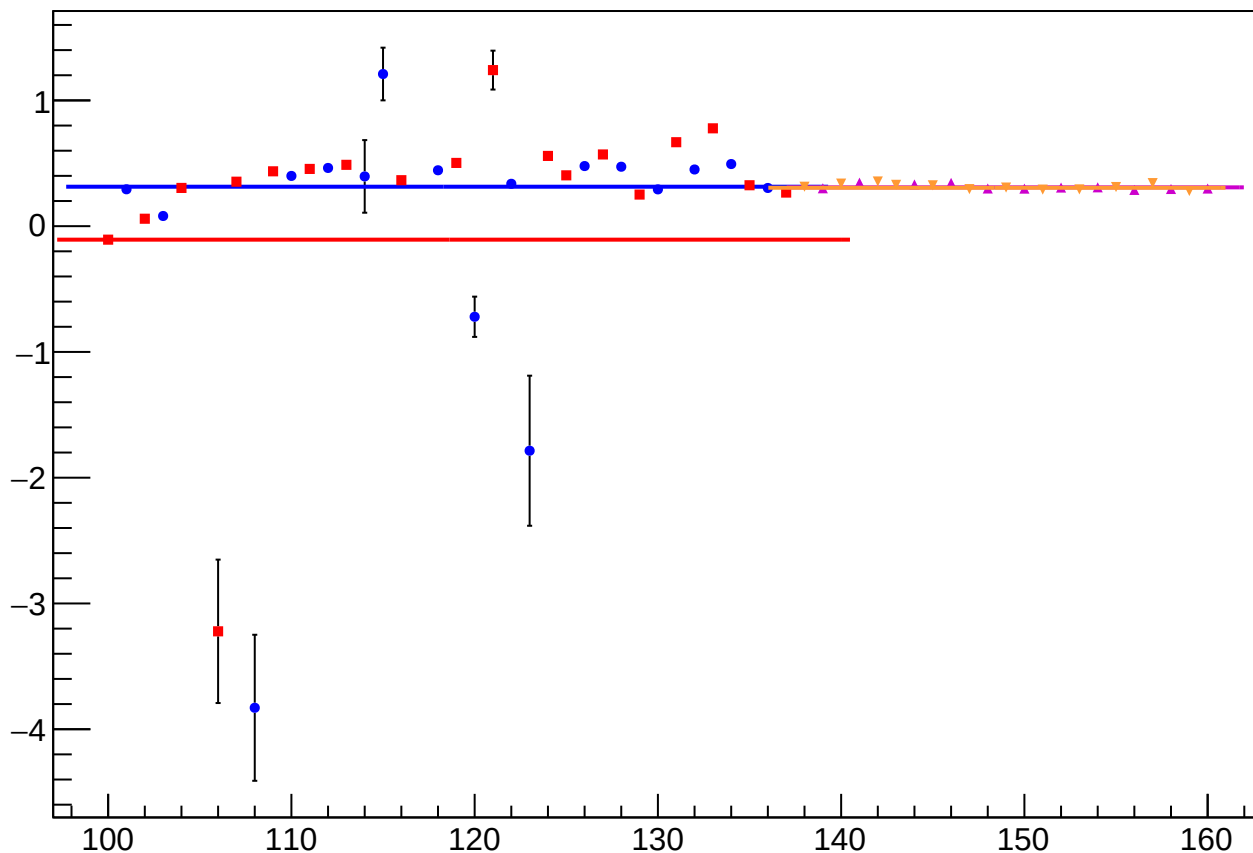
Right: -4.135 ± 0.000 $\chi^2/\text{NDF}: 2879850560728951$

In: -7.899 ± 0.000 $\chi^2/\text{NDF}: 212836.2/27$

Out: -2.410 ± 0.000 $\chi^2/\text{NDF}: 454956.1/30$

All: -4.135 ± 0.000 $\chi^2/\text{NDF}: 2879850560728$

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314 ± 0.001 $\chi^2/\text{NDF}: 2748.0/16$

Left Out: 0.305 ± 0.000 $\chi^2/\text{NDF}: 3025.9/11$

Right Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 219932.8/18$

Left In: 0.309 ± 0.000 $\chi^2/\text{NDF}: 2078.9/10$

Left: 0.307 ± 0.000 $\chi^2/\text{NDF}: 5147.7/22$

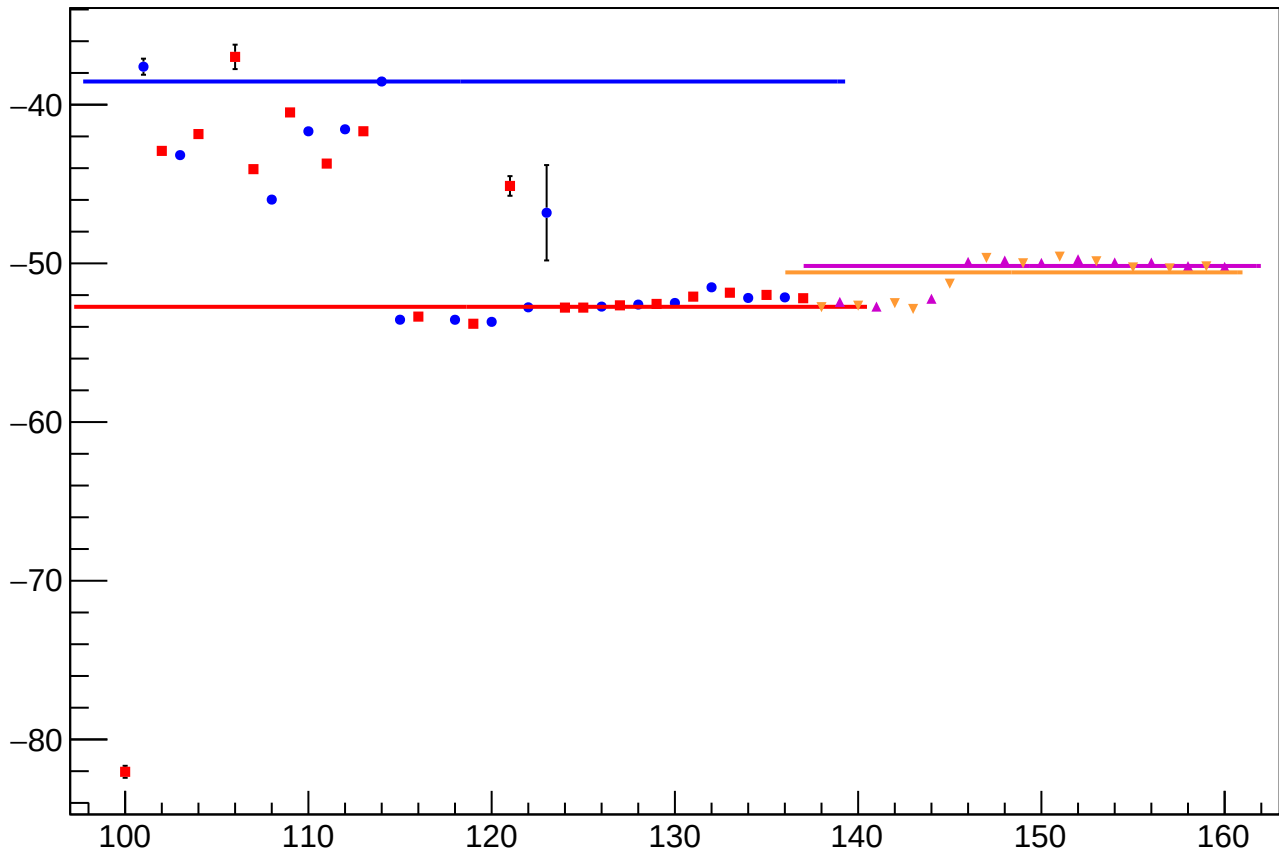
Right: -0.107 ± 0.000 $\chi^2/\text{NDF}: 409026.8/35$

In: 0.309 ± 0.000 $\chi^2/\text{NDF}: 4851.7/27$

Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 1508822.1/30$

All: -0.107 ± 0.000 $\chi^2/\text{NDF}: 3394363.0/58$

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539±/0.000 χ^2/NDF : 14950854.6/16

Left Out: -50.568±/0.002 χ^2/NDF : 223601.0/11

Right Out: -52.737±/0.002 χ^2/NDF : 87430.2/18

Left In: -50.162±/0.002 χ^2/NDF : 153739.7/10

Left: -50.294±/0.001 χ^2/NDF : 396366.3/22

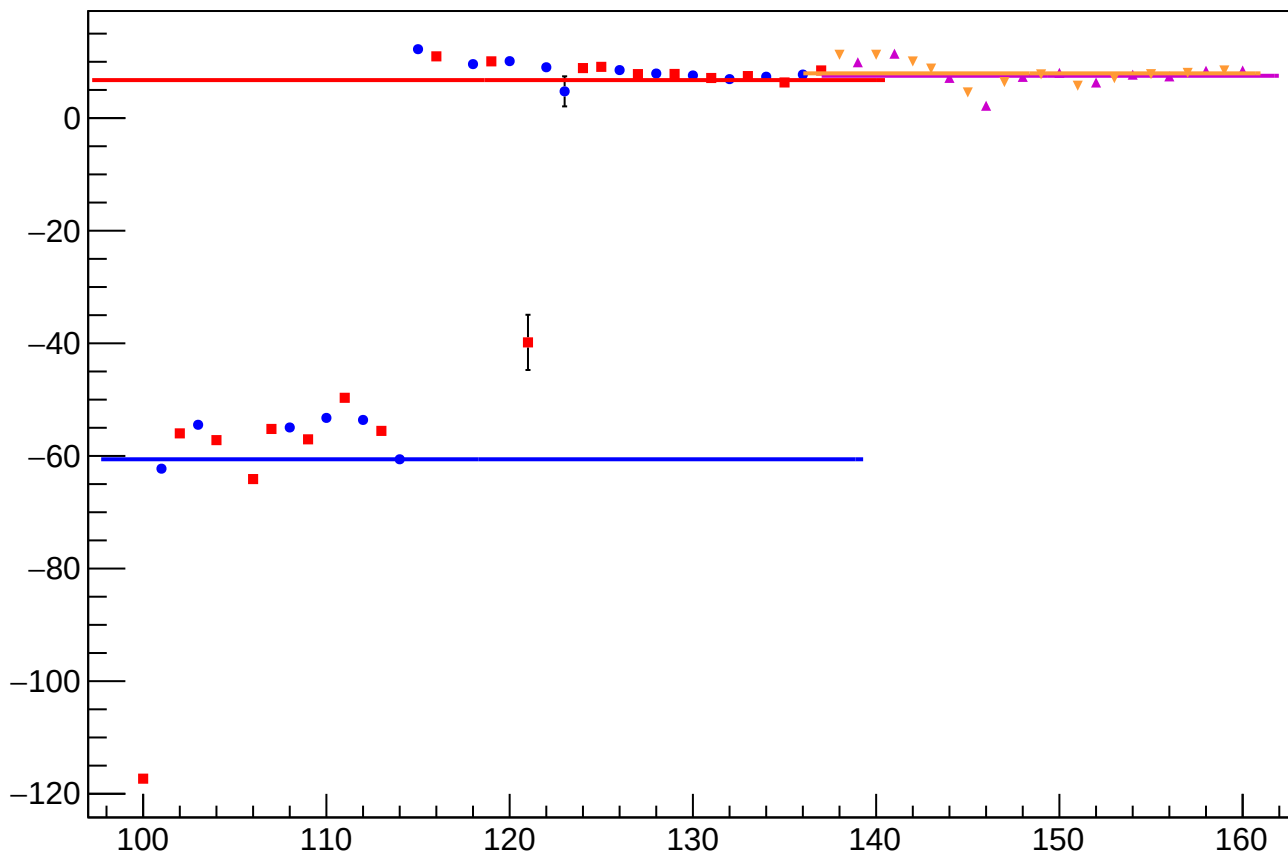
Right: -38.539±/0.000 χ^2/NDF : 72100834.2/35

In: -38.539±/0.000 χ^2/NDF : 63289271.6/27

Out: -51.919±/0.001 χ^2/NDF : 812903.7/30

All: -38.539±/0.000 χ^2/NDF : 145433592.4/5

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 26122838.1/16$

Left Out: 7.947 ± 0.005 $\chi^2/\text{NDF}: 74042.2/11$

Right Out: 6.748 ± 0.011 $\chi^2/\text{NDF}: 1266598.3/18$

Left In: 7.517 ± 0.004 $\chi^2/\text{NDF}: 114072.4/10$

Left: 7.684 ± 0.003 $\chi^2/\text{NDF}: 193223.5/22$

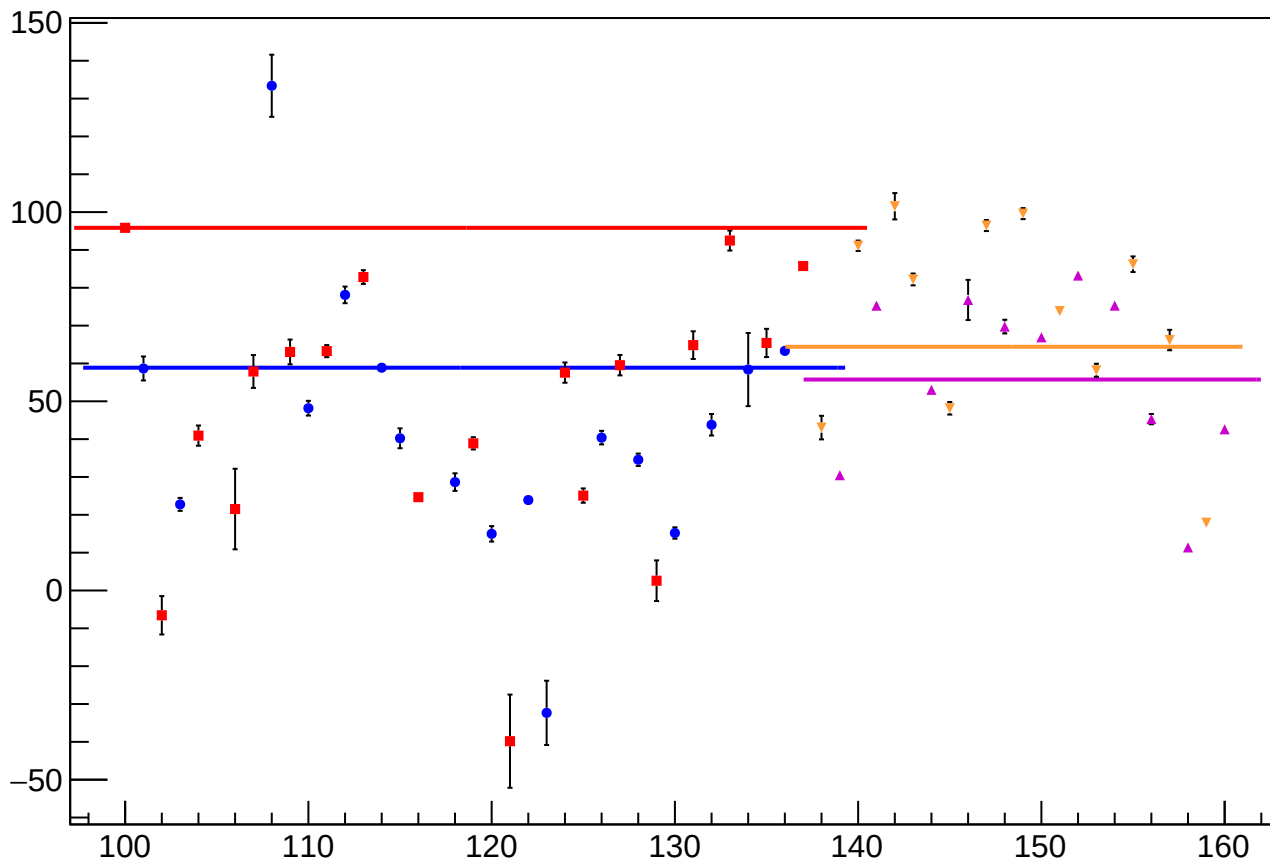
Right: -60.594 ± 0.000 $\chi^2/\text{NDF}: 64778482.9/35$

In: -60.594 ± 0.000 $\chi^2/\text{NDF}: 354874755.9/27$

Out: 7.762 ± 0.004 $\chi^2/\text{NDF}: 1350656.1/30$

All: -60.594 ± 0.000 $\chi^2/\text{NDF}: 606393252.7/5$

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 $\pm$ 0.000 χ^2 /NDF: 3814.7/16

Left Out: 64.408 $\pm$ 0.447 χ^2 /NDF:4683.4/11

Right Out: 95.846 $\pm$ 0.000 χ^2 /NDF: 39385.0/18

Left In: 55.753 $\pm$ 0.326 χ^2 /NDF:4573.8/10

Left: 58.759 $\pm$ 0.263 χ^2 /NDF: 9502.3/22

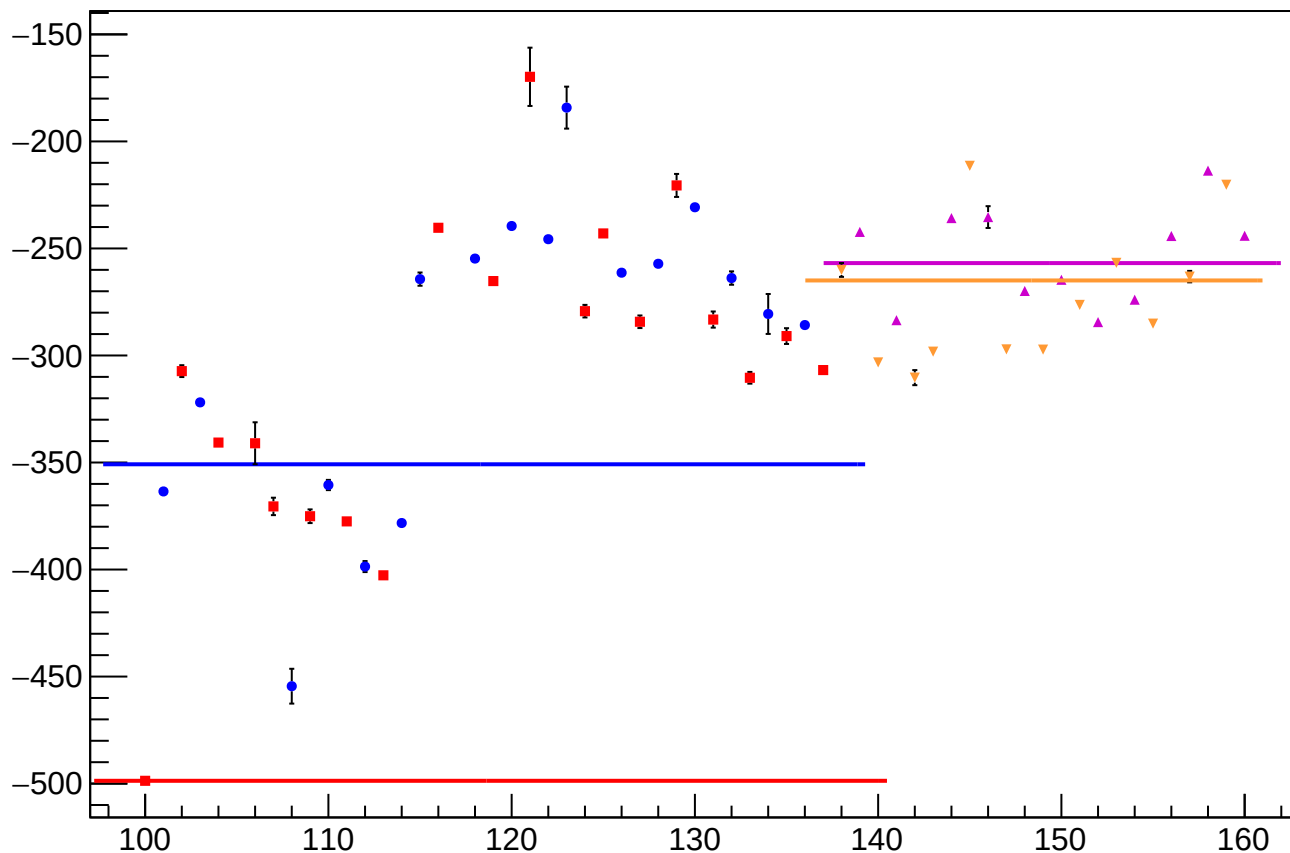
Right: 60.098 $\pm$ 0.000 χ^2 /NDF: 9815233945666380

In: 58.880 $\pm$ 0.000 χ^2 /NDF:8480.5/27

Out: 95.846 $\pm$ 0.000 χ^2 /NDF:49022.9/30

All: 60.098 $\pm$ 0.000 χ^2 /NDF: 9815233945666380

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -350.833 ± 0.245 $\chi^2/\text{NDF}: 41301.1/16$

Left Out: -264.952 ± 0.439 $\chi^2/\text{NDF}: 6300.2/11$

Right Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 511870.8/18$

Left In: -256.841 ± 0.329 $\chi^2/\text{NDF}: 4178.6/10$

Left: -259.760 ± 0.264 $\chi^2/\text{NDF}: 10696.8/22$

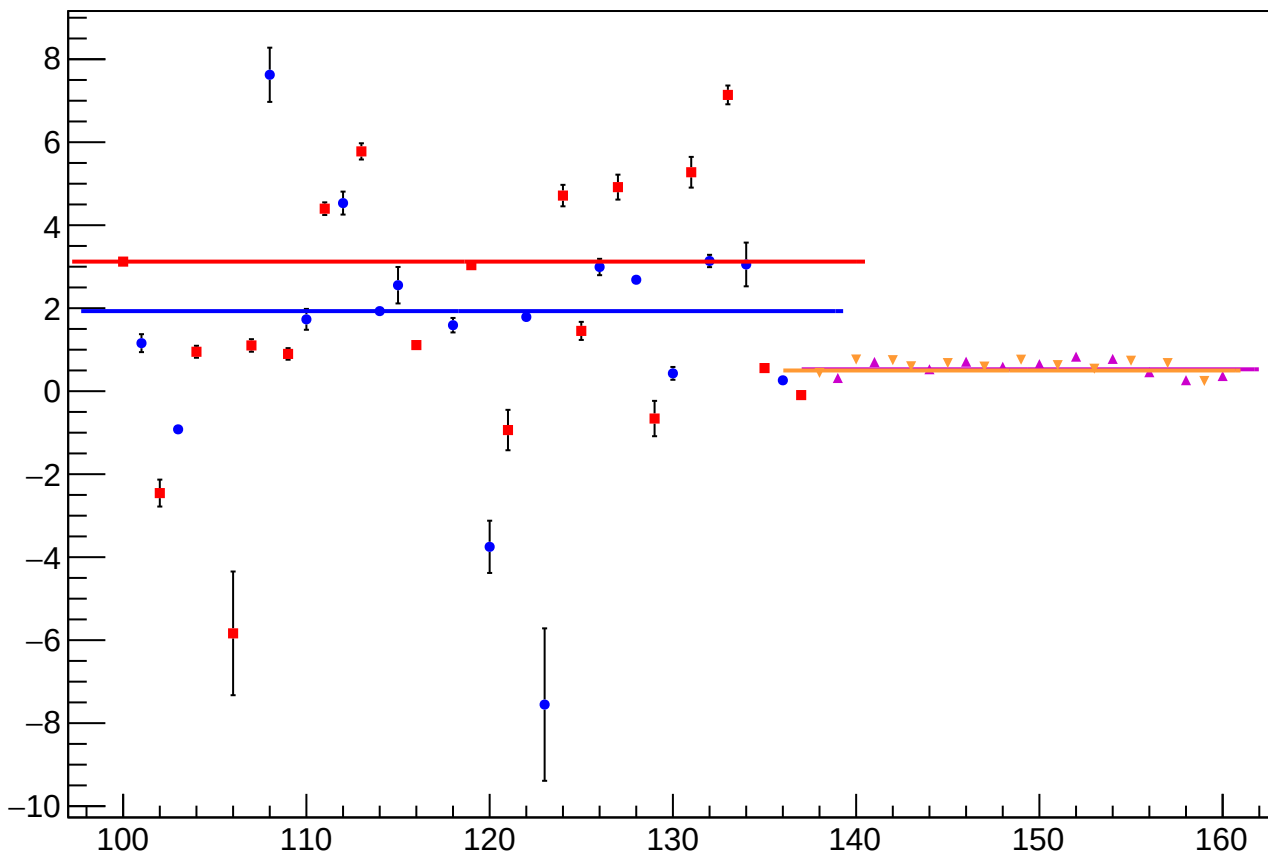
Right: -498.692 ± 0.000 $\chi^2/\text{NDF}: 918780.8/35$

In: -317.447 ± 0.196 $\chi^2/\text{NDF}: 97957.2/27$

Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 801169.3/30$

All: -498.692 ± 0.000 $\chi^2/\text{NDF}: 1751105.8/58$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 ± 0.000 $\chi^2/\text{NDF}: 59970.9/16$

Left Out: 0.499 ± 0.003 $\chi^2/\text{NDF}: 7214.0/11$

Right Out: 3.123 ± 0.000 $\chi^2/\text{NDF}: 512565.5/18$

Left In: 0.527 ± 0.002 $\chi^2/\text{NDF}: 11454.1/10$

Left: 0.516 ± 0.002 $\chi^2/\text{NDF}: 18744.3/22$

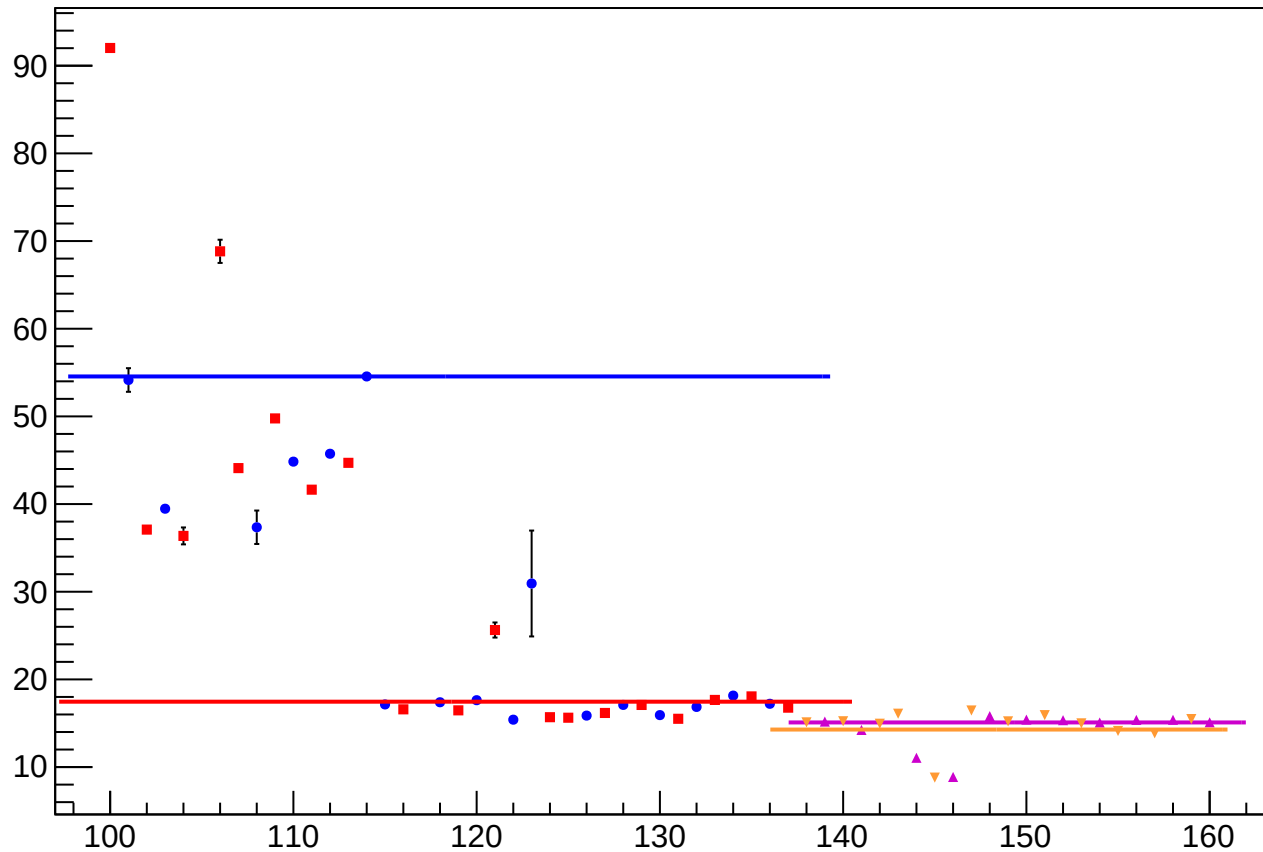
Right: 2.073 ± 0.000 $\chi^2/\text{NDF}: 38099534578085305$

In: 1.930 ± 0.000 $\chi^2/\text{NDF}: 527595.2/27$

Out: 3.123 ± 0.000 $\chi^2/\text{NDF}: 1603346.5/30$

All: 2.073 ± 0.000 $\chi^2/\text{NDF}: 38099534578085$

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556+/-0.000 χ^2/NDF : 7238433.0/16

Left Out: 14.280+/-0.009 χ^2/NDF : 80827.8/11

Right Out: 17.458+/-0.018 χ^2/NDF : 99308.5/18

Left In: 15.091+/-0.008 χ^2/NDF : 7922.9/10

Left: 14.718+/-0.006 χ^2/NDF : 93073.4/22

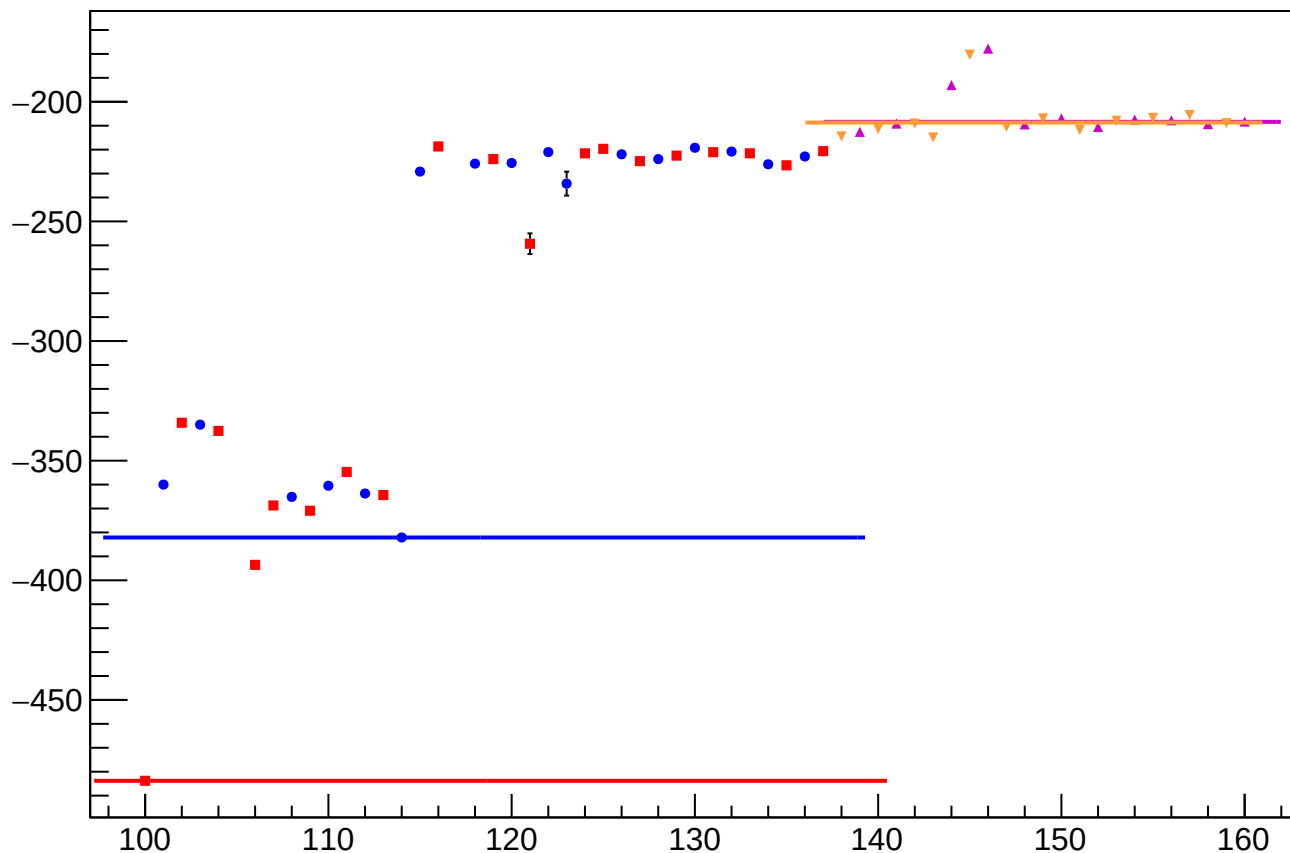
Right: 54.556+/-0.000 χ^2/NDF : 11453944.4/35

In: 54.556+/-0.000 χ^2/NDF : 29485379.1/27

Out: 14.907+/-0.008 χ^2/NDF : 204388.5/30

All: 54.556+/-0.000 χ^2/NDF : 53510343.7/58

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 18398024.3/16

Left Out: -208.677+/-0.020 χ^2/NDF : 59933.5/11

Right Out: -483.800+/-0.000 χ^2/NDF : 24338683.6/18

Left In: -208.383+/-0.019 χ^2/NDF : 13971.6/10

Left: -208.519+/-0.014 χ^2/NDF : 74020.9/22

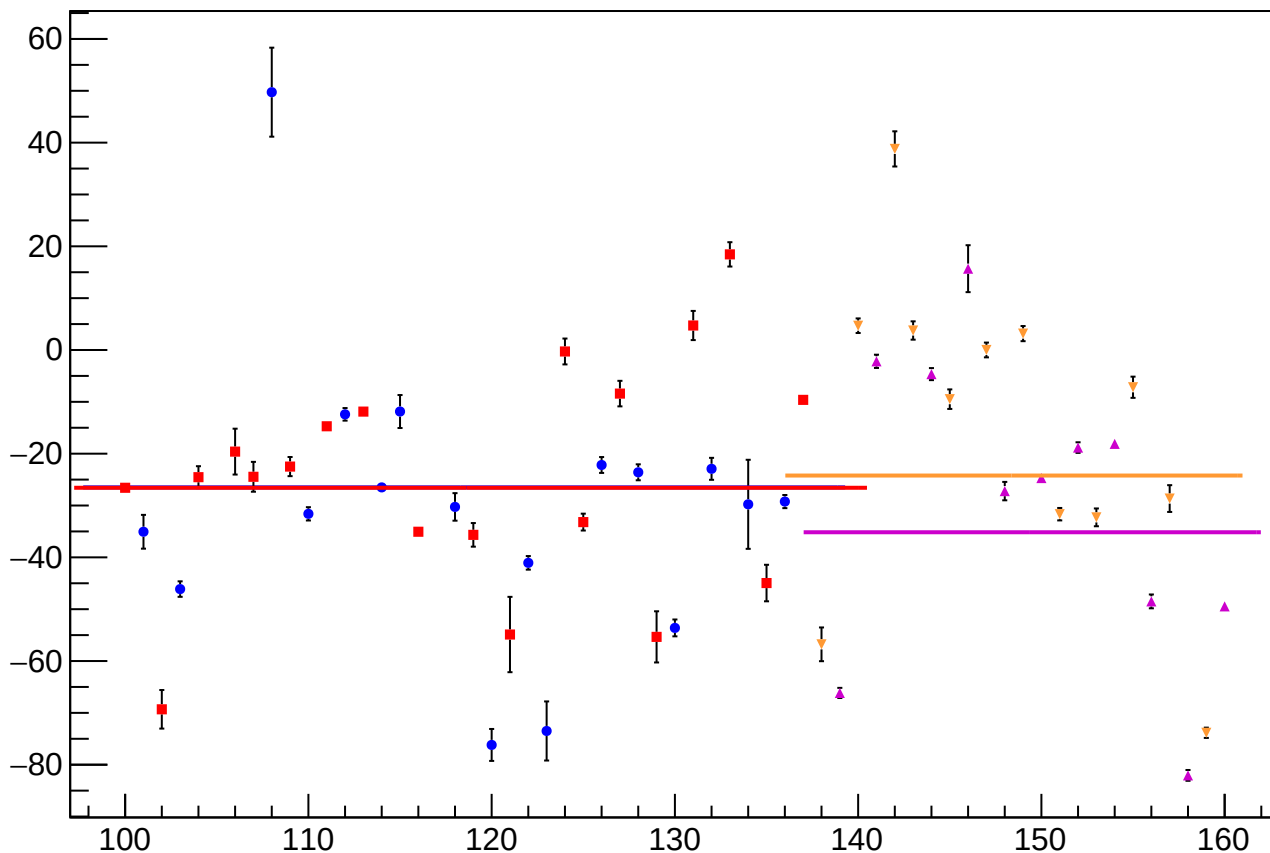
Right: -417.999+/-0.000 χ^2/NDF : 12425488813367

In: -382.108+/-0.000 χ^2/NDF : 105655950.7/27

Out: -483.800+/-0.000 χ^2/NDF : 213043264.7/30

All: -417.999+/-0.000 χ^2/NDF : 12425488813

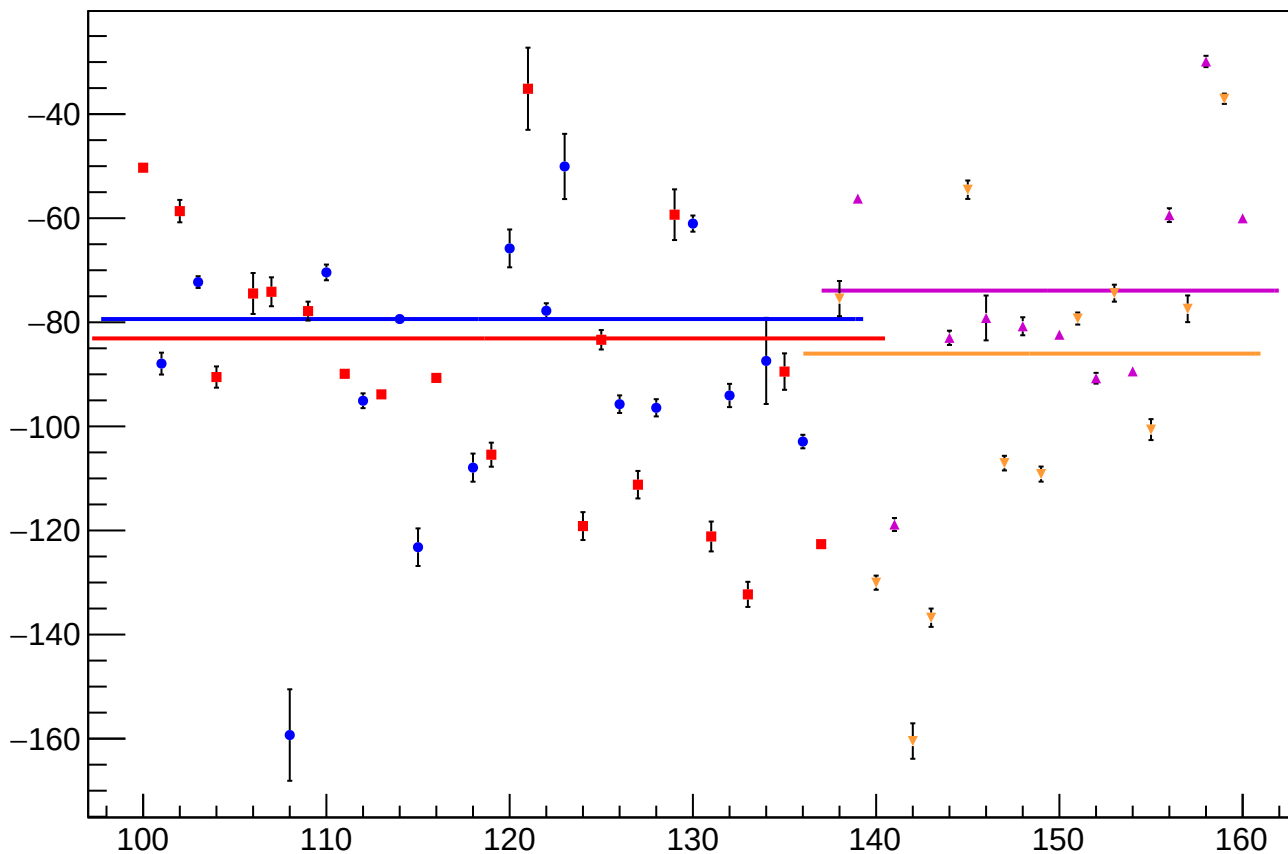
dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 1180.7/16$
 Left Out: -24.217 ± 0.462 $\chi^2/\text{NDF}: 4449.0/11$
 Right Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 2640.9/18$
 Left In: -35.159 ± 0.331 $\chi^2/\text{NDF}: 5616.0/10$

Left: -31.447 ± 0.269 $\chi^2/\text{NDF}: 10435.6/22$
 Right: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654659$
 In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 7480.1/27$
 Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 7116.0/30$
 All: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 1304.6/16$

Left Out: -86.017 ± 0.453 $\chi^2/\text{NDF}: 5772.0/11$

Right Out: -83.099 ± 0.178 $\chi^2/\text{NDF}: 11915.8/18$

Left In: -73.910 ± 0.327 $\chi^2/\text{NDF}: 4413.0/10$

Left: -78.068 ± 0.265 $\chi^2/\text{NDF}: 10654.7/22$

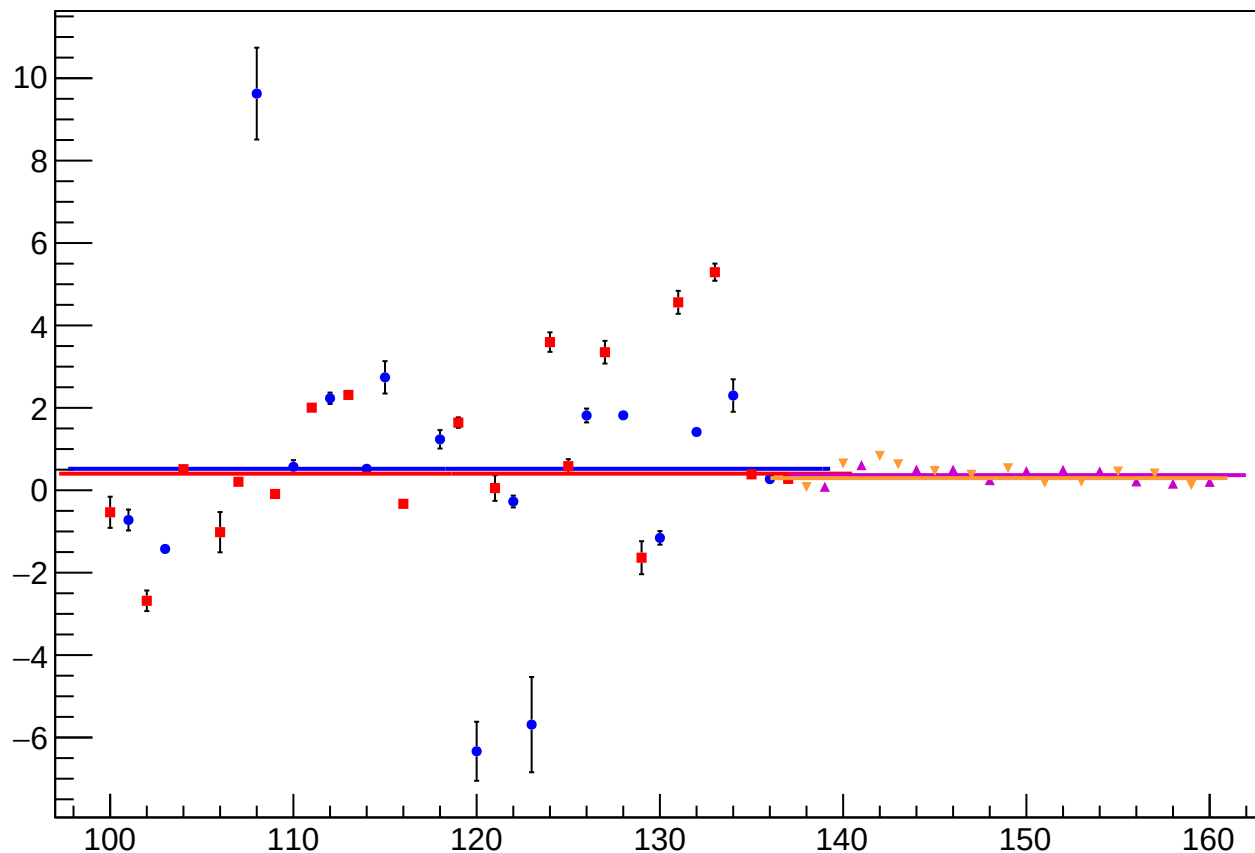
Right: -79.376 ± 0.000 $\chi^2/\text{NDF}: 13657.0/35$

In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 5996.4/27$

Out: -83.490 ± 0.166 $\chi^2/\text{NDF}: 17723.8/30$

All: -79.376 ± 0.000 $\chi^2/\text{NDF}: 24336.1/58$

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521 ± 0.000 $\chi^2/\text{NDF}: 3370.8/16$

Left Out: 0.294 ± 0.003 $\chi^2/\text{NDF}: 5627.1/11$

Right Out: 0.403 ± 0.011 $\chi^2/\text{NDF}: 2727.5/18$

Left In: 0.367 ± 0.002 $\chi^2/\text{NDF}: 8292.4/10$

Left: 0.340 ± 0.002 $\chi^2/\text{NDF}: 14391.2/22$

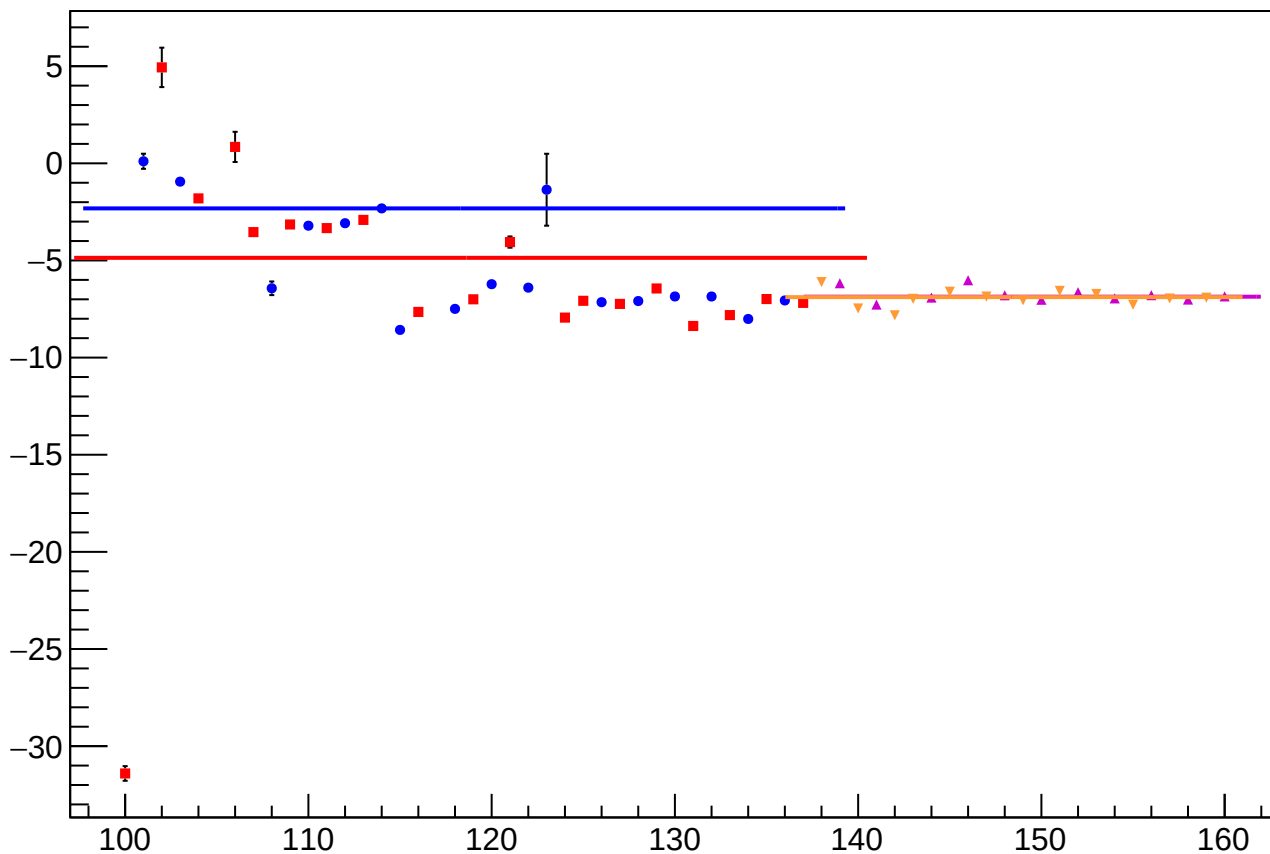
Right: 0.521 ± 0.000 $\chi^2/\text{NDF}: 6215.1/35$

In: 0.521 ± 0.000 $\chi^2/\text{NDF}: 17201.9/27$

Out: 0.301 ± 0.003 $\chi^2/\text{NDF}: 8449.0/30$

All: 0.521 ± 0.000 $\chi^2/\text{NDF}: 32922.9/58$

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320 ± 0.000 χ^2/NDF : 270771.9/16

Left Out: -6.888 ± 0.003 χ^2/NDF : 2587.5/11

Right Out: -4.864 ± 0.010 χ^2/NDF : 49380.5/18

Left In: -6.865 ± 0.003 χ^2/NDF : 5101.9/10

Left: -6.875 ± 0.002 χ^2/NDF : 7715.5/22

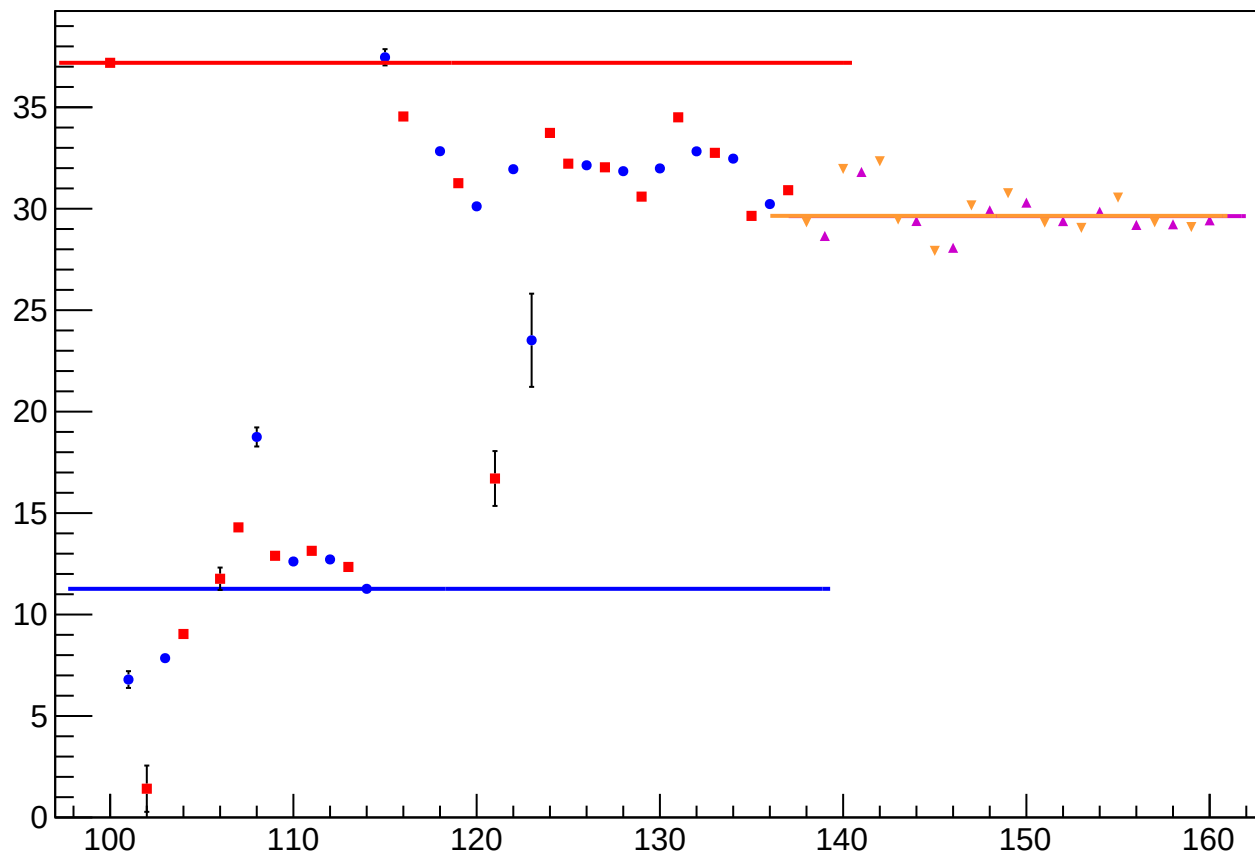
Right: -2.320 ± 0.000 χ^2/NDF : 381161.7/35

In: -2.320 ± 0.000 χ^2/NDF : 2554725.8/27

Out: -6.702 ± 0.003 χ^2/NDF : 86999.2/30

All: -2.320 ± 0.000 χ^2/NDF : 4616353.5/58

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268 $\pm$ 0.000 χ^2 /NDF: 958029.3/16

Left Out: 29.648 $\pm$ 0.013 χ^2 /NDF:5688.8/11

Right Out: 37.191 $\pm$ 0.000 χ^2 /NDF: 1121929.1/18

Left In: 29.636 $\pm$ 0.010 χ^2 /NDF:3136.0/10

Left: 29.641 $\pm$ 0.008 χ^2 /NDF: 8825.4/22

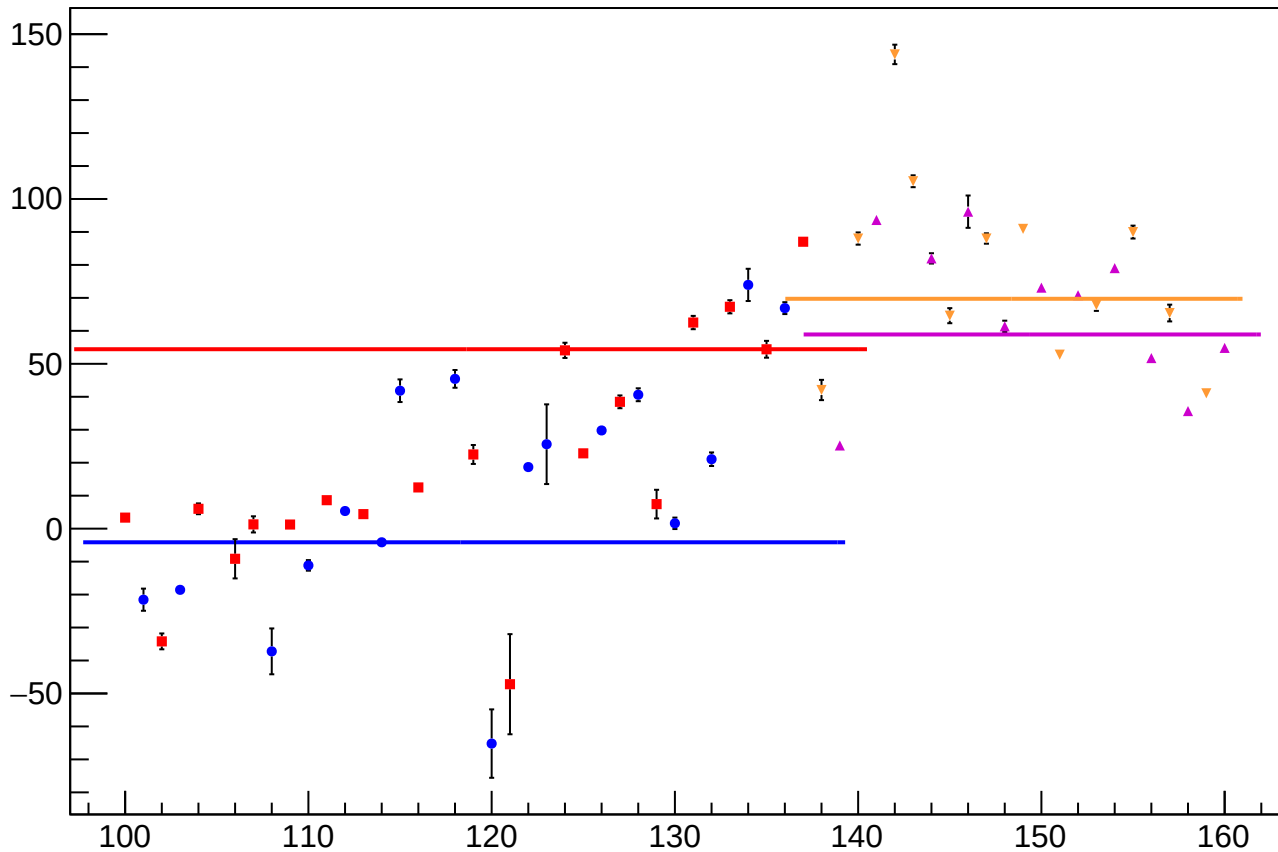
Right: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978834

In: 11.268 $\pm$ 0.000 χ^2 /NDF:4136585.9/27

Out: 37.191 $\pm$ 0.000 χ^2 /NDF:1457677.9/30

All: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978

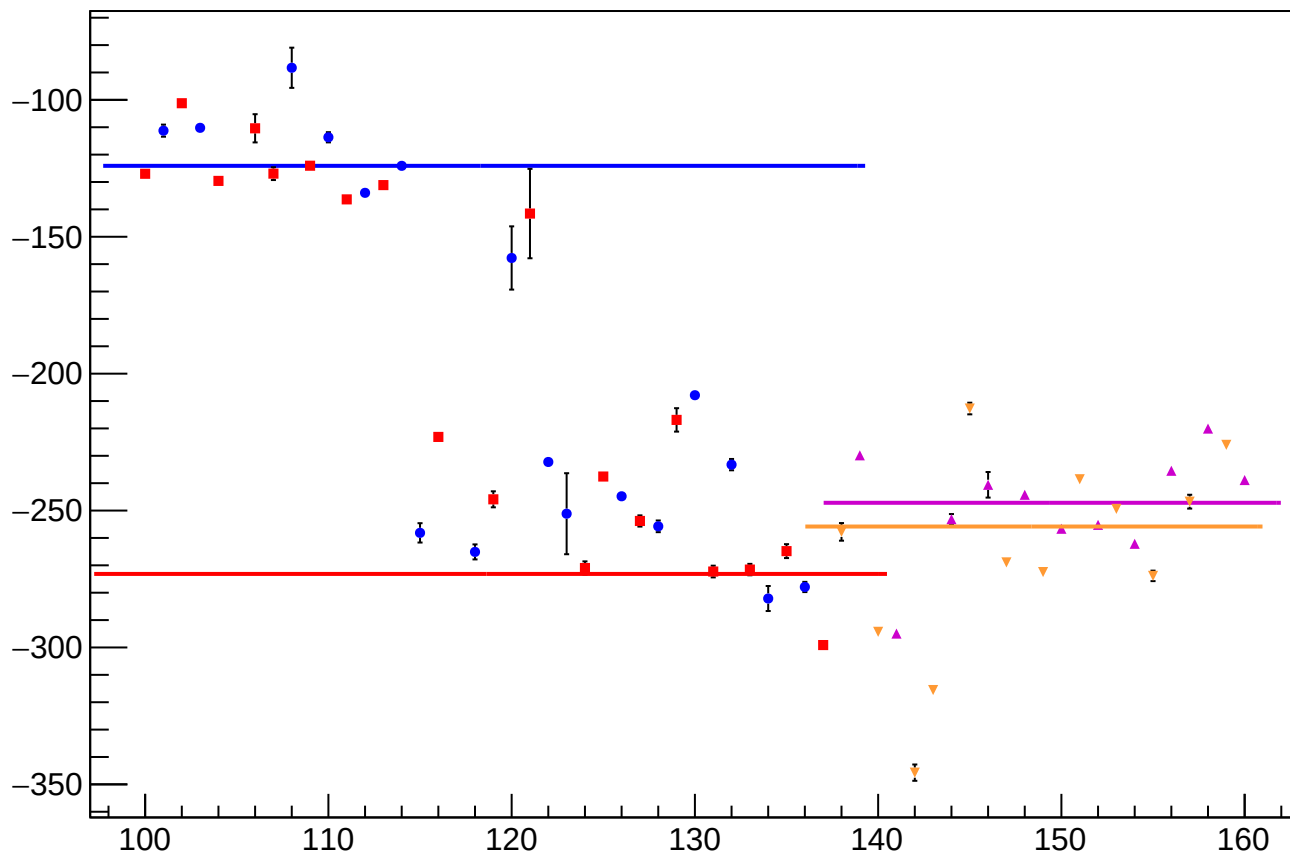
dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 $\chi^2/\text{NDF}: 4654.2/16$
 Left Out: 69.726 ± 0.475 $\chi^2/\text{NDF}: 2736.6/11$
 Right Out: 54.427 ± 0.170 $\chi^2/\text{NDF}: 53998.7/18$
 Left In: 58.901 ± 0.328 $\chi^2/\text{NDF}: 4417.2/10$

Left: 62.393 ± 0.270 $\chi^2/\text{NDF}: 7505.1/22$
 Right: -4.139 ± 0.000 $\chi^2/\text{NDF}: 177029.3/35$
 In: -4.139 ± 0.000 $\chi^2/\text{NDF}: 46016.3/27$
 Out: 56.166 ± 0.160 $\chi^2/\text{NDF}: 57653.8/30$
 All: -4.139 ± 0.000 $\chi^2/\text{NDF}: 245283.4/58$

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 38152.5/16$

Left Out: -255.829 ± 0.468 $\chi^2/\text{NDF}: 4356.7/11$

Right Out: -273.143 ± 0.113 $\chi^2/\text{NDF}: 280141.9/18$

Left In: -247.162 ± 0.322 $\chi^2/\text{NDF}: 3219.7/10$

Left: -249.945 ± 0.265 $\chi^2/\text{NDF}: 7809.1/22$

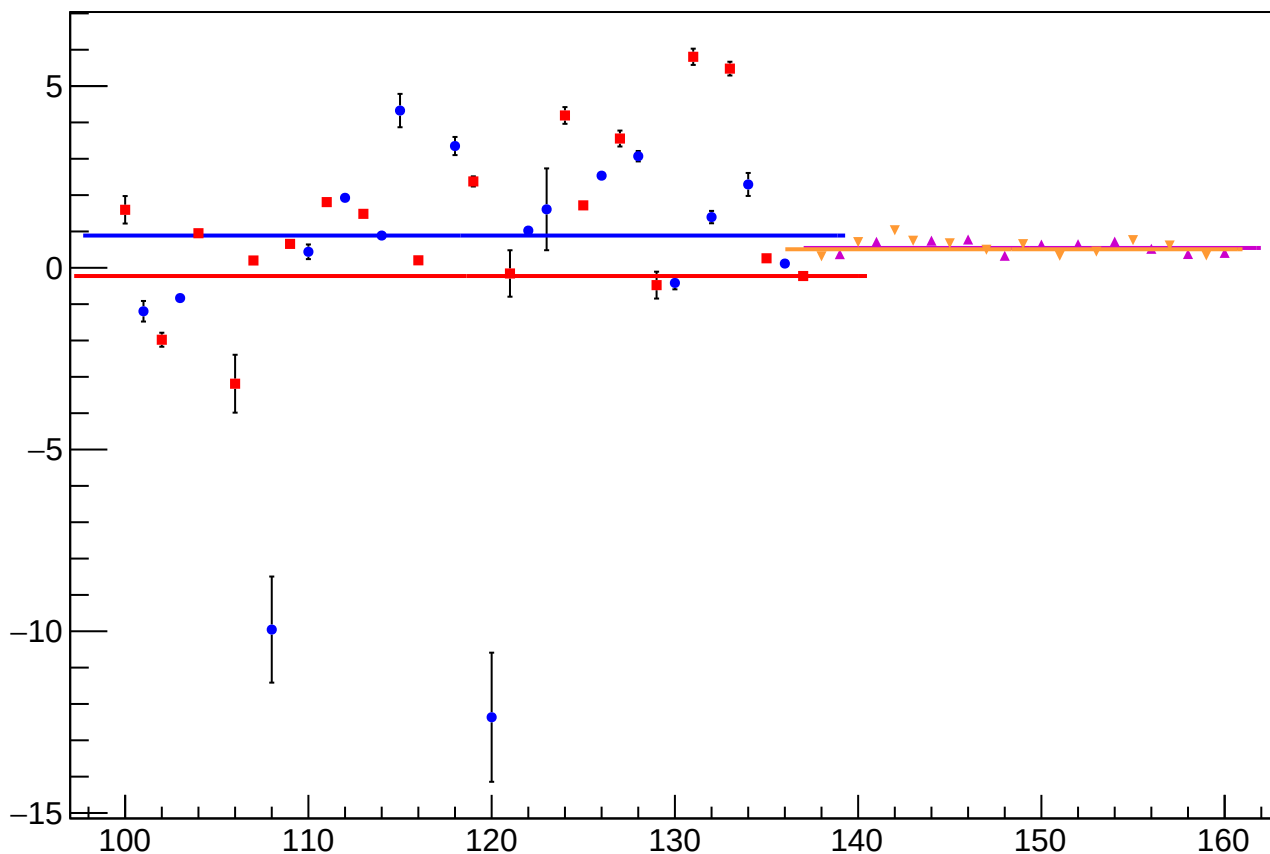
Right: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2066776.4/35$

In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 187476.5/27$

Out: -272.194 ± 0.110 $\chi^2/\text{NDF}: 285791.7/30$

All: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2299657.2/58$

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 χ^2/NDF : 8672.0/16

Left Out: 0.510 ± 0.003 χ^2/NDF : 3283.2/11

Right Out: -0.226 ± 0.000 χ^2/NDF : 5031.1/18

Left In: 0.546 ± 0.003 χ^2/NDF : 3451.6/10

Left: 0.532 ± 0.002 χ^2/NDF : 6811.0/22

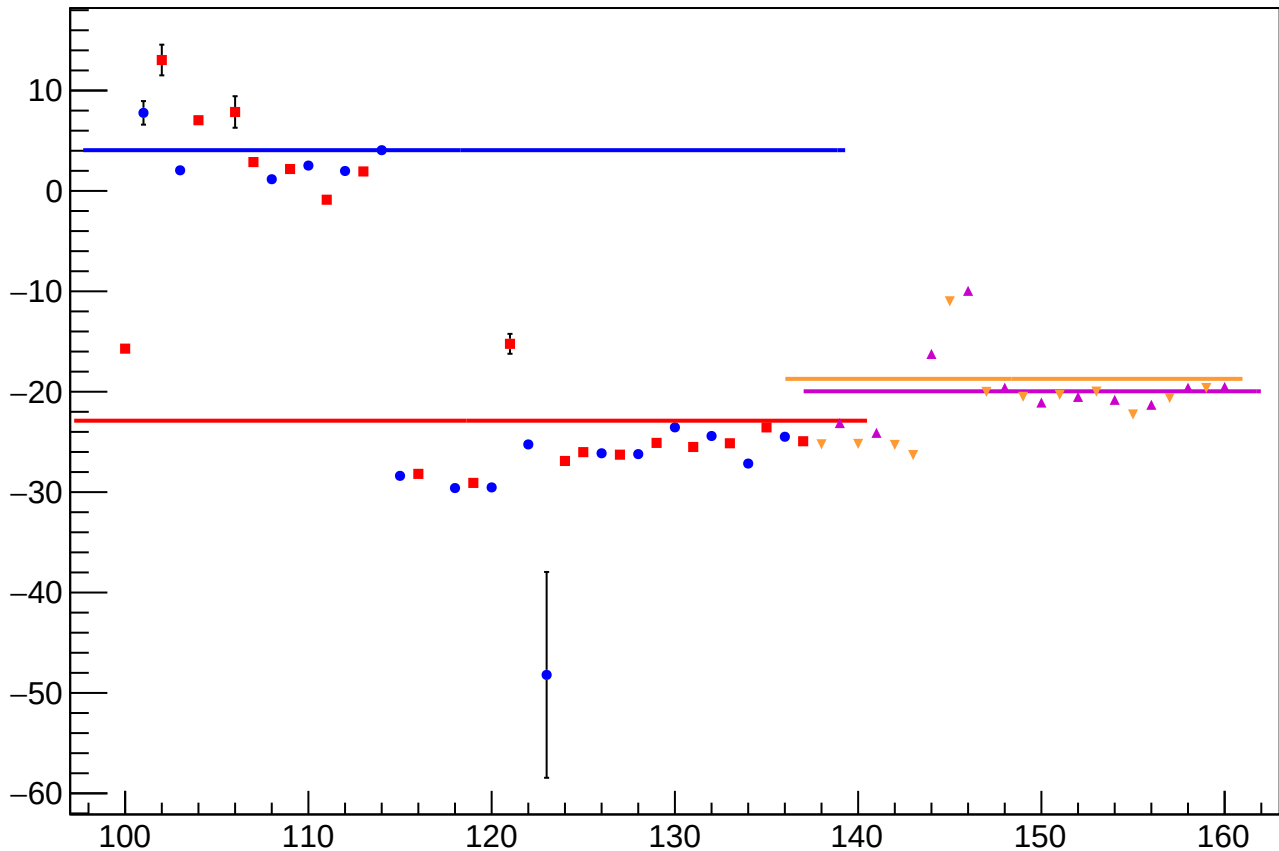
Right: 0.888 ± 0.000 χ^2/NDF : 422220530.0/35

In: 0.888 ± 0.000 χ^2/NDF : 29902.2/27

Out: -0.226 ± 0.000 χ^2/NDF : 60708.0/30

All: 0.888 ± 0.000 χ^2/NDF : 422258811.6/58

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057+/-0.000 χ^2/NDF : 1247888.2/16

Left Out: -18.717+/-0.016 χ^2/NDF : 77347.9/11

Right Out: -22.885+/-0.026 χ^2/NDF : 116508.9/18

Left In: -19.957+/-0.012 χ^2/NDF : 19826.1/10

Left: -19.489+/-0.010 χ^2/NDF : 101083.8/22

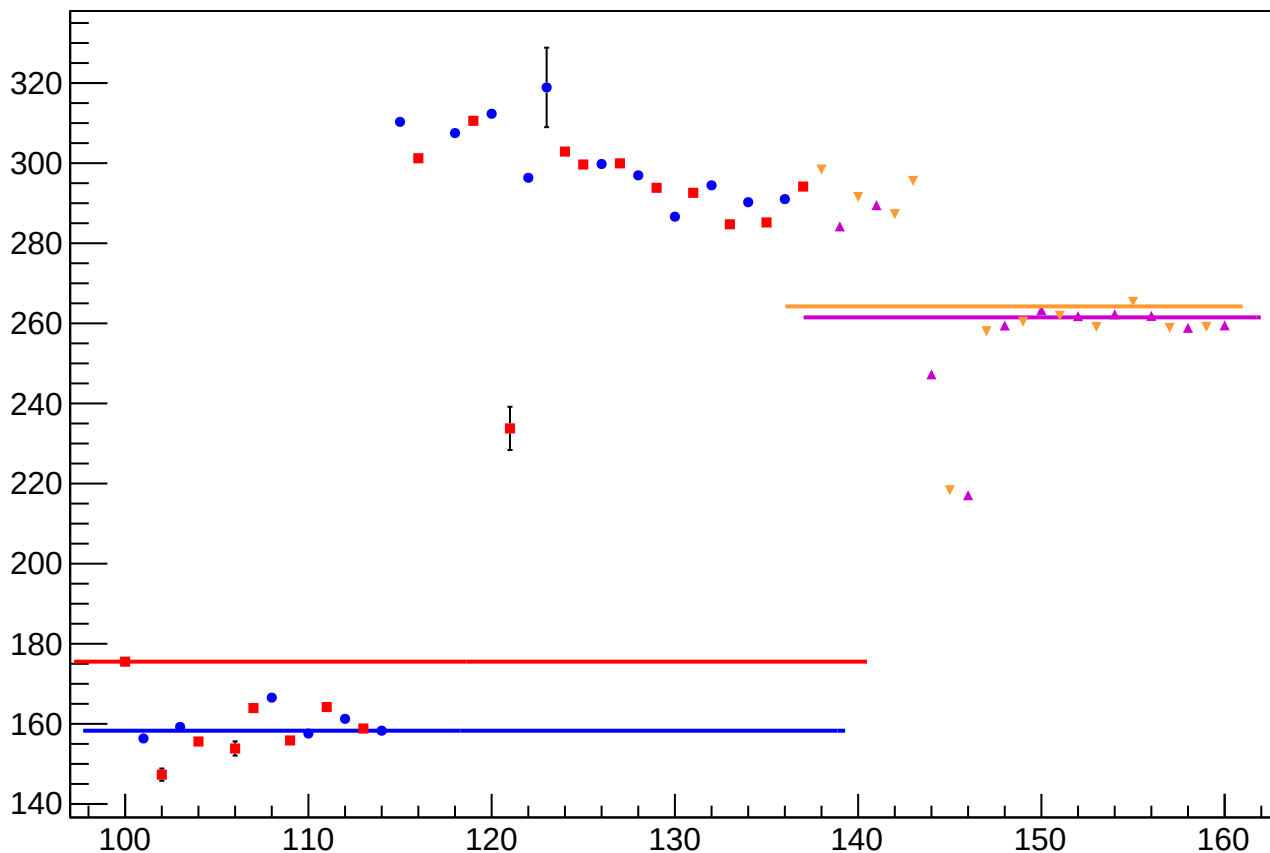
Right: 4.057+/-0.000 χ^2/NDF : 2412173.4/35

In: 4.057+/-0.000 χ^2/NDF : 5154128.4/27

Out: -19.806+/-0.013 χ^2/NDF : 212380.6/30

All: 4.057+/-0.000 χ^2/NDF : 8513976.0/58

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293+/-0.000 χ^2/NDF : 2410913.3/16

Left Out: 264.235+/-0.039 χ^2/NDF :186732.1/11

Right Out: 175.536+/-0.000 χ^2/NDF : 2100196.2/18

Left In: 261.492+/-0.034 χ^2/NDF :38392.6/10

Left: 262.644+/-0.026 χ^2/NDF : 227932.7/22

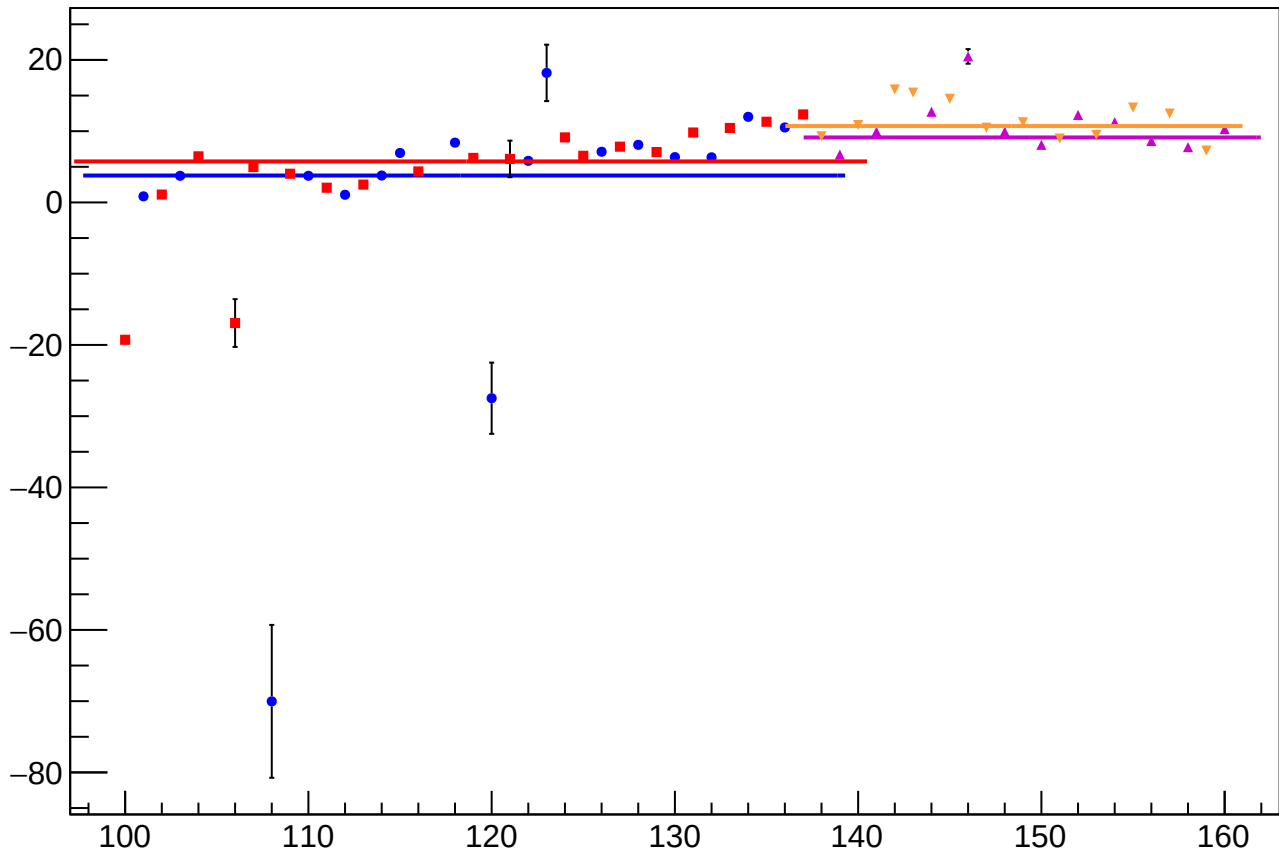
Right: 172.618+/-0.000 χ^2/NDF : 373727491225928

In: 158.293+/-0.000 χ^2/NDF :11908596.5/27

Out: 175.536+/-0.000 χ^2/NDF :7350678.0/30

All: 172.618+/-0.000 χ^2/NDF : 373727491225

dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 3.778 ± 0.000 χ^2/NDF : 6871.4/16

Left Out: 10.719 ± 0.039 χ^2/NDF : 2066.7/11

Right Out: 5.756 ± 0.026 χ^2/NDF : 22291.6/18

Left In: 9.119 ± 0.035 χ^2/NDF : 2507.5/10

Left: 9.840 ± 0.026 χ^2/NDF : 5513.4/22

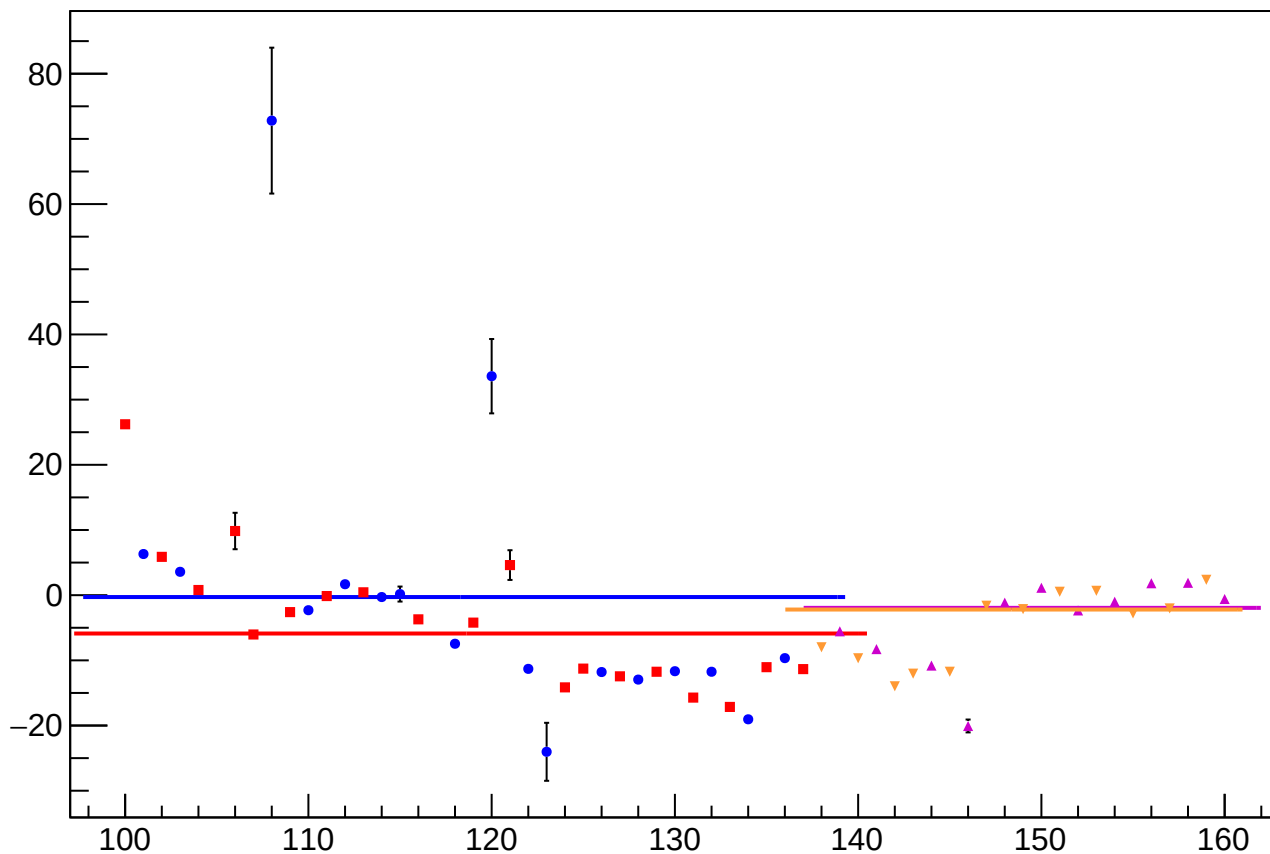
Right: 3.778 ± 0.000 χ^2/NDF : 35056.1/35

In: 3.778 ± 0.000 χ^2/NDF : 32611.0/27

Out: 7.281 ± 0.021 χ^2/NDF : 35765.1/30

All: 3.778 ± 0.000 χ^2/NDF : 95063.5/58

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 χ^2/NDF : 44276.5/16

Left Out: -2.204 ± 0.038 χ^2/NDF : 8670.0/11

Right Out: -5.882 ± 0.027 χ^2/NDF : 63493.9/18

Left In: -1.946 ± 0.035 χ^2/NDF : 11649.3/10

Left: -2.064 ± 0.026 χ^2/NDF : 20343.9/22

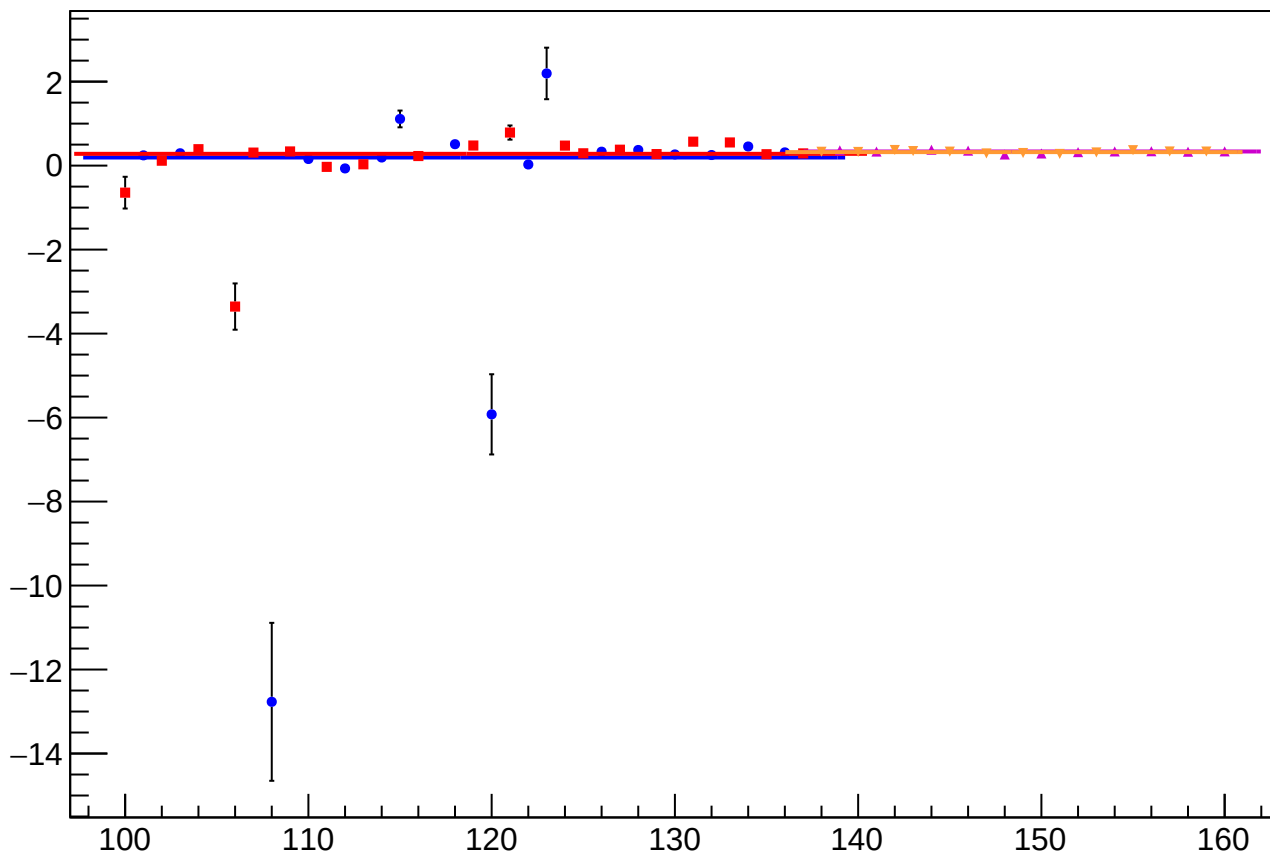
Right: -0.287 ± 0.000 χ^2/NDF : 150060.6/35

In: -0.287 ± 0.000 χ^2/NDF : 58139.6/27

Out: -4.646 ± 0.022 χ^2/NDF : 78307.0/30

All: -0.287 ± 0.000 χ^2/NDF : 175107.0/58

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193 ± 0.000 χ^2/NDF : 10027.5/16

Left Out: 0.322 ± 0.001 χ^2/NDF : 1190.5/11

Right Out: 0.280 ± 0.001 χ^2/NDF : 6059.0/18

Left In: 0.336 ± 0.001 χ^2/NDF : 2136.0/10

Left: 0.329 ± 0.000 χ^2/NDF : 3553.8/22

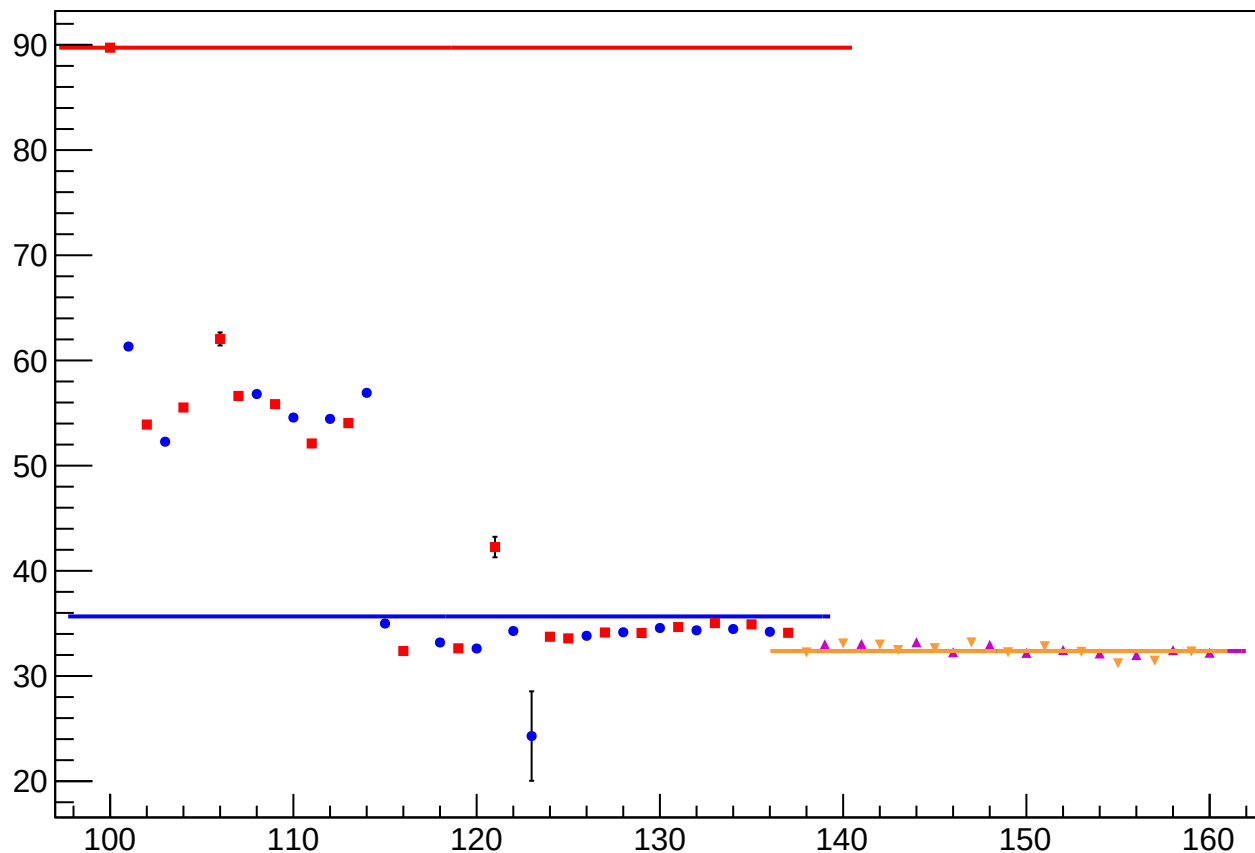
Right: 0.193 ± 0.000 χ^2/NDF : 19578.7/35

In: 0.193 ± 0.000 χ^2/NDF : 55412.7/27

Out: 0.314 ± 0.001 χ^2/NDF : 7890.9/30

All: 0.193 ± 0.000 χ^2/NDF : 101538.3/58

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.664 ± 0.011 $\chi^2/\text{NDF}: 218662.5/16$

Left Out: 32.373 ± 0.005 $\chi^2/\text{NDF}: 2663.6/11$

Right Out: 89.735 ± 0.000 $\chi^2/\text{NDF}: 25801560.6/18$

Left In: 32.378 ± 0.004 $\chi^2/\text{NDF}: 3903.4/10$

Left: 32.376 ± 0.003 $\chi^2/\text{NDF}: 6567.5/22$

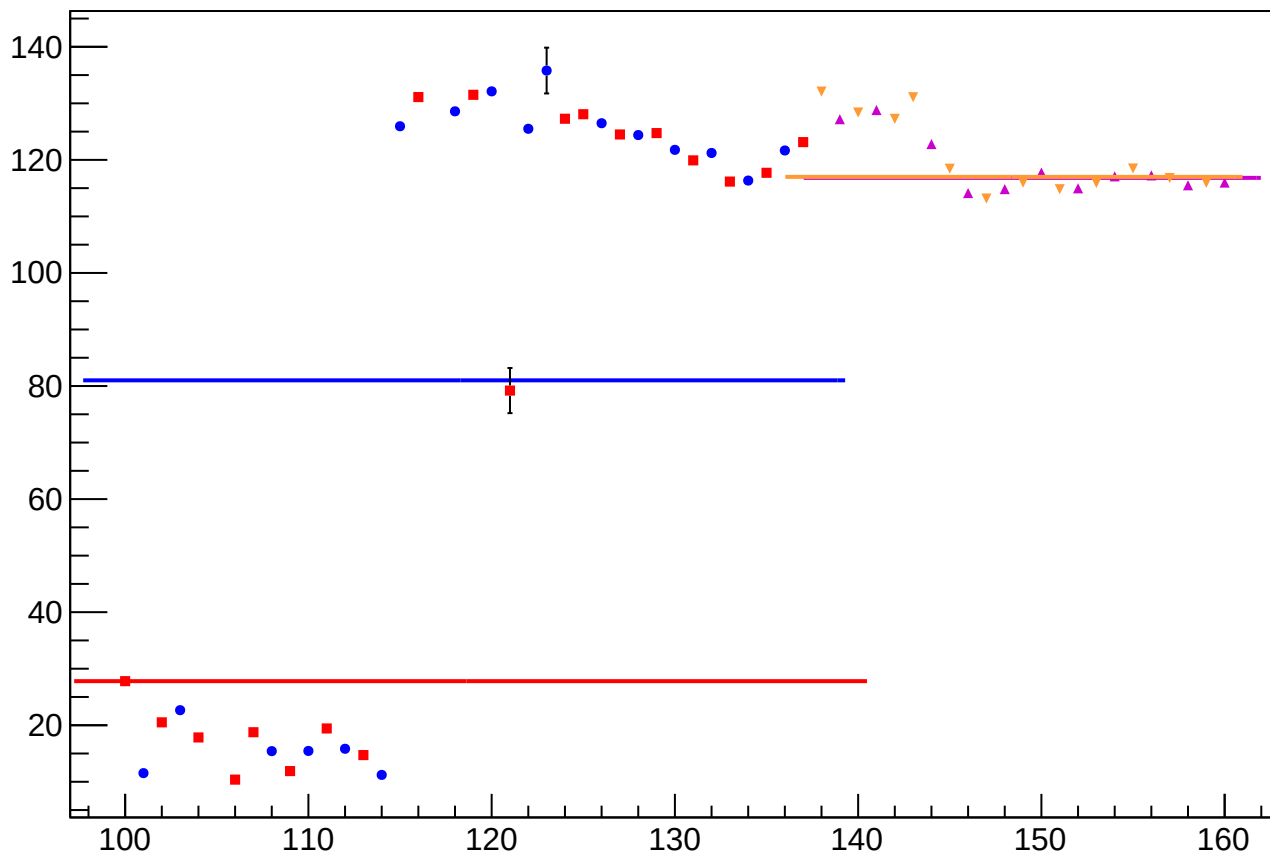
Right: 89.735 ± 0.000 $\chi^2/\text{NDF}: 48650023.7/35$

In: 32.808 ± 0.004 $\chi^2/\text{NDF}: 295211.4/27$

Out: 89.735 ± 0.000 $\chi^2/\text{NDF}: 151247894.0/30$

All: 89.735 ± 0.000 $\chi^2/\text{NDF}: 343347871.8/58$

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 81.005+/-0.035 χ^2 /NDF: 2228881.4/16

Left Out: 116.996+/-0.010 χ^2 /NDF:136480.0/11

Right Out: 27.798+/-0.000 χ^2 /NDF: 9183707.8/18

Left In: 116.819+/-0.010 χ^2 /NDF:40662.5/10

Left: 116.903+/-0.007 χ^2 /NDF: 177300.7/22

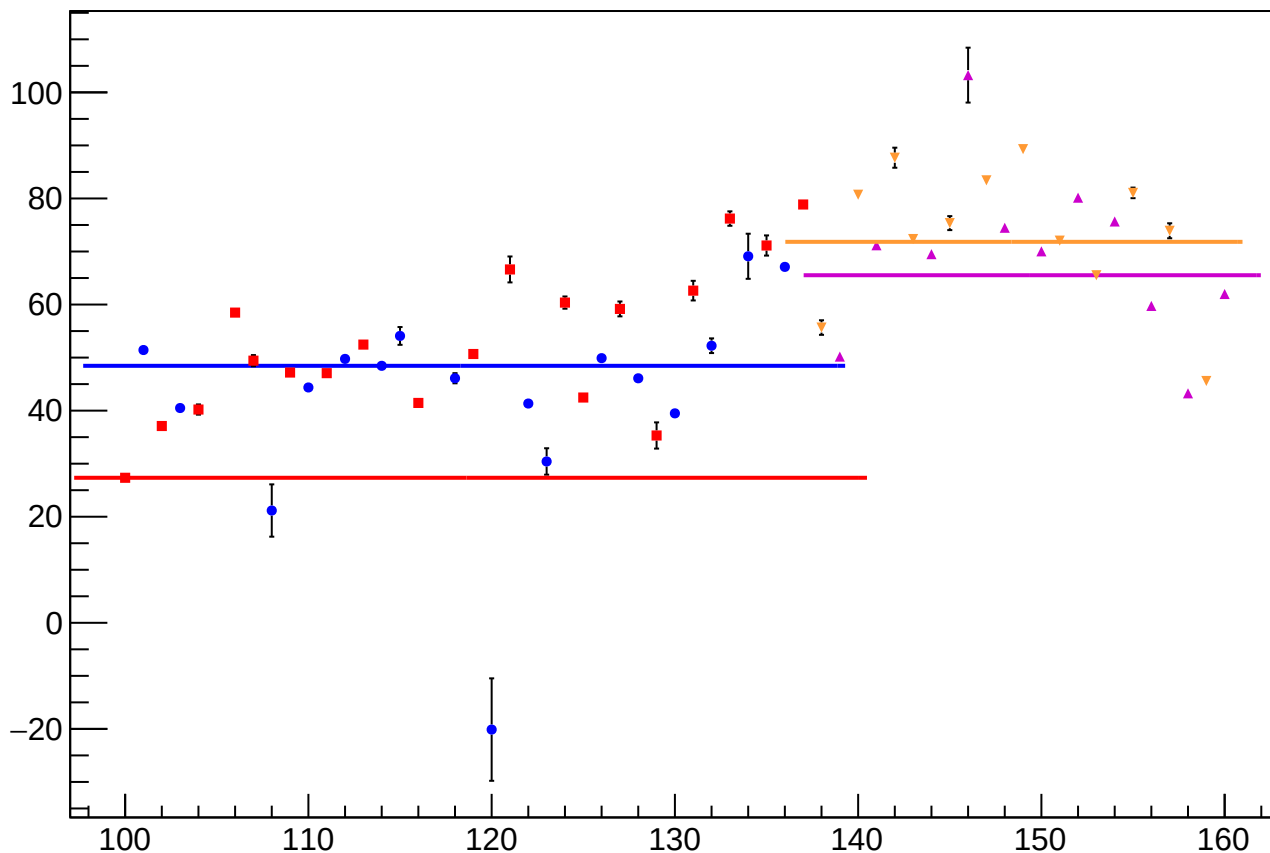
Right: 27.798+/-0.000 χ^2 /NDF: 13786729.0/35

In: 114.177+/-0.009 χ^2 /NDF:3265799.9/27

Out: 27.798+/-0.000 χ^2 /NDF:85650965.4/30

All: 27.798+/-0.000 χ^2 /NDF: 173745702.8/58

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450 ± 0.000 χ^2/NDF : 2751.4/16

Left Out: 71.824 ± 0.234 χ^2/NDF : 3667.5/11

Right Out: 27.342 ± 0.000 χ^2/NDF : 25810.4/18

Left In: 65.528 ± 0.181 χ^2/NDF : 3783.8/10

Left: 67.885 ± 0.143 χ^2/NDF : 7904.7/22

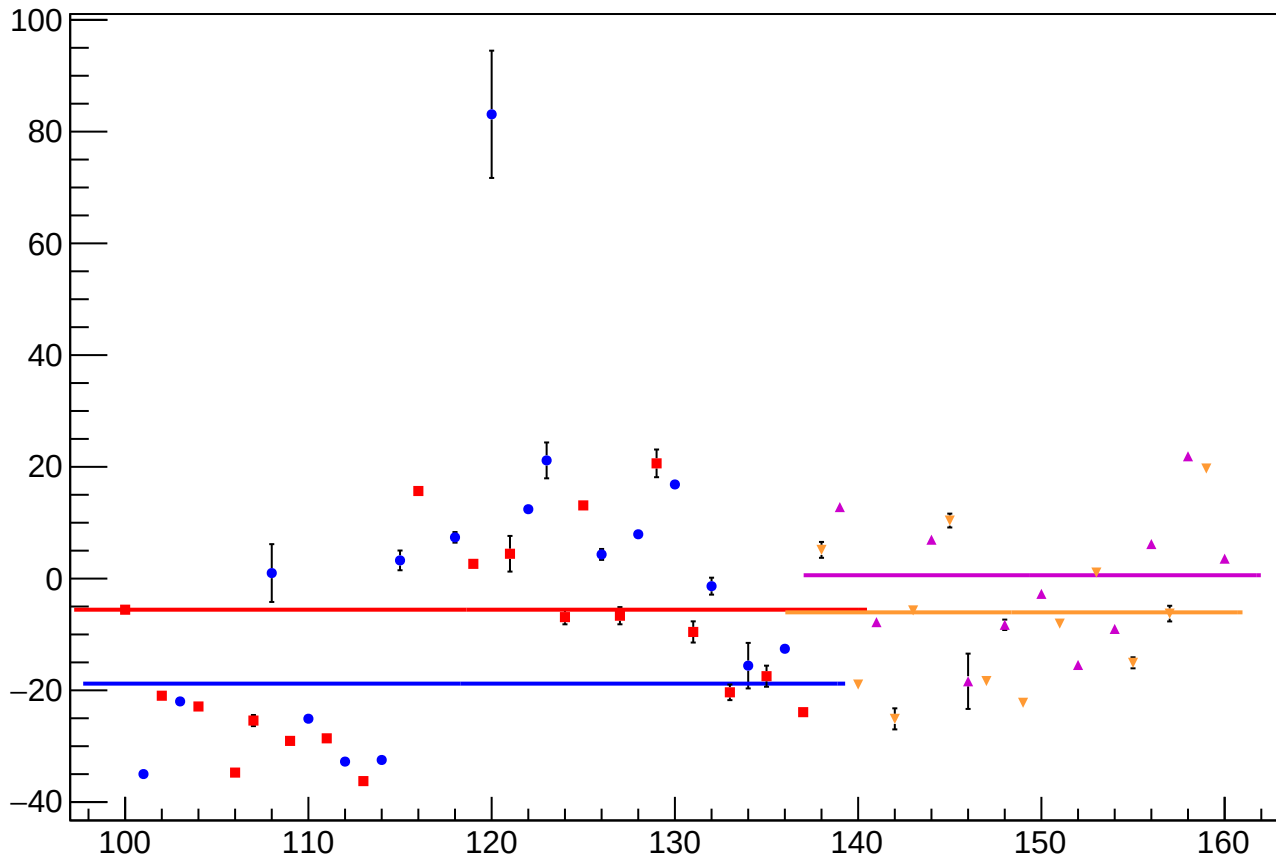
Right: 28.365 ± 0.000 χ^2/NDF : 1026290104888328

In: 48.450 ± 0.000 χ^2/NDF : 15448.4/27

Out: 27.342 ± 0.000 χ^2/NDF : 65651.4/30

All: 28.365 ± 0.000 χ^2/NDF : 1026290104888328

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -18.800 +/- 0.148 χ^2/NDF : 11764.7/16

Left Out: -6.044 +/- 0.231 χ^2/NDF : 3937.1/11

Right Out: -5.568 +/- 0.000 χ^2/NDF : 23097.3/18

Left In: 0.600 +/- 0.178 χ^2/NDF : 3402.2/10

Left: -1.881 +/- 0.141 χ^2/NDF : 7859.4/22

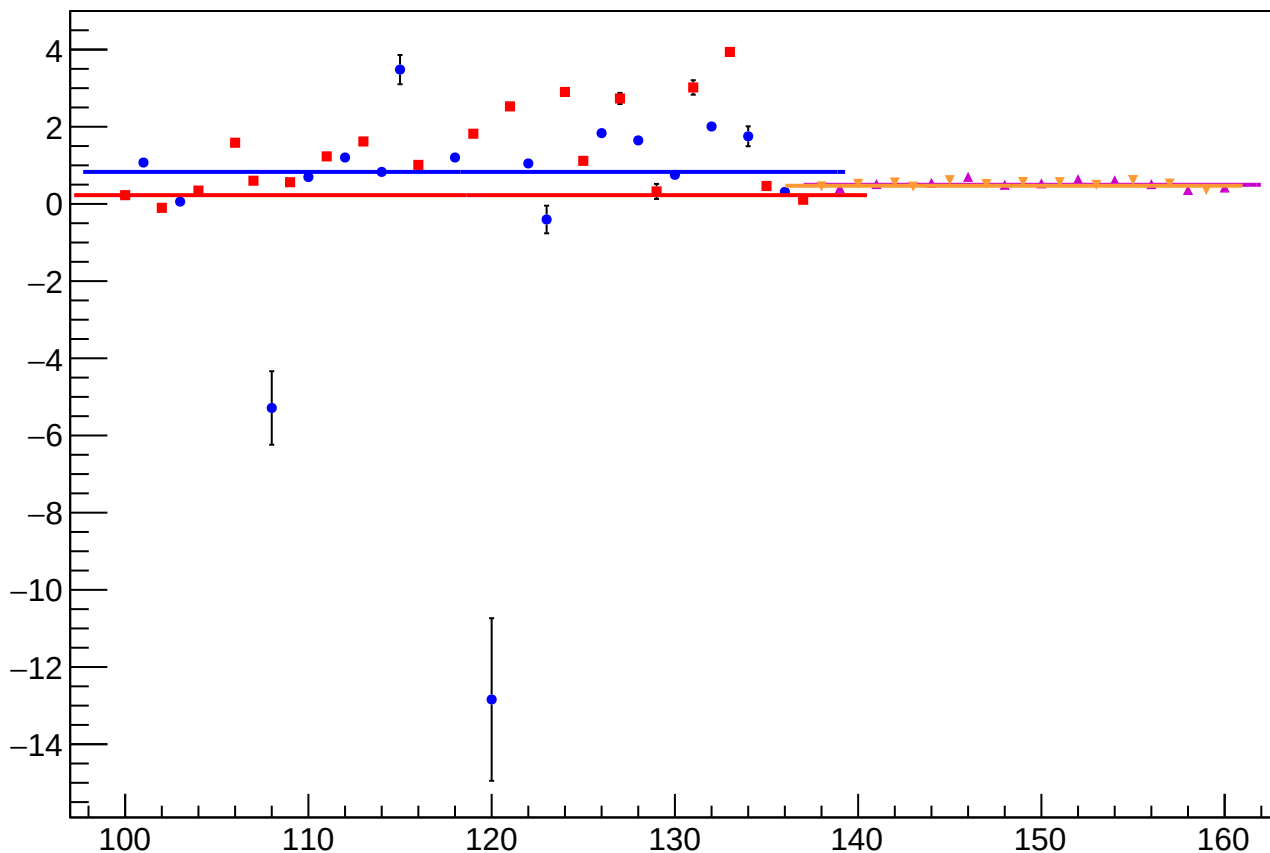
Right: -5.568 +/- 0.000 χ^2/NDF : 42808.5/35

In: -10.843 +/- 0.114 χ^2/NDF : 22172.7/27

Out: -5.568 +/- 0.000 χ^2/NDF : 27038.7/30

All: -5.568 +/- 0.000 χ^2/NDF : 51352.6/58

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 14882.7/16$

Left Out: 0.471 ± 0.001 $\chi^2/\text{NDF}: 4670.4/11$

Right Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 11819.9/18$

Left In: 0.496 ± 0.001 $\chi^2/\text{NDF}: 6280.4/10$

Left: 0.484 ± 0.001 $\chi^2/\text{NDF}: 11134.3/22$

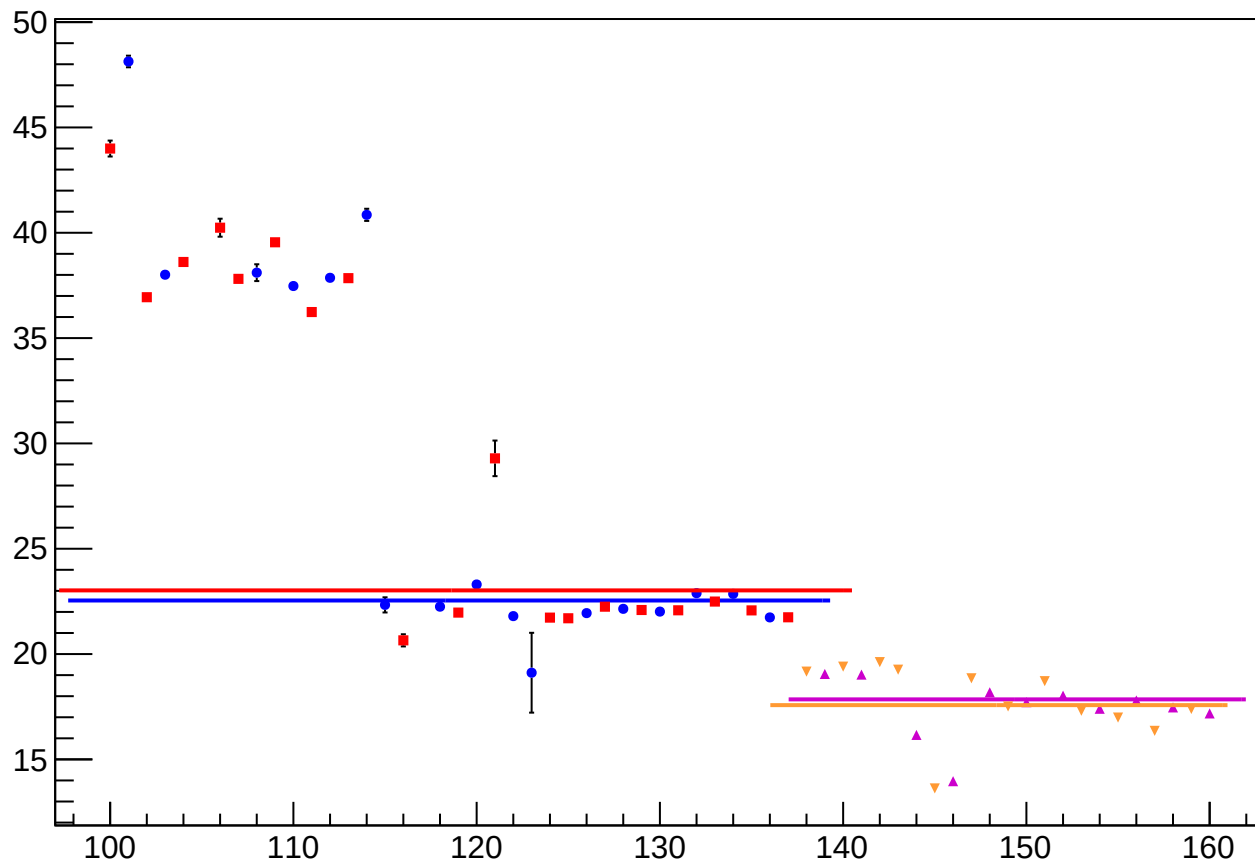
Right: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457147$

In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 89938.1/27$

Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 50153.4/30$

All: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457$

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.543 ± 0.009 $\chi^2/\text{NDF}: 105452.8/16$

Left Out: 17.576 ± 0.007 $\chi^2/\text{NDF}: 69933.7/11$

Right Out: 23.023 ± 0.009 $\chi^2/\text{NDF}: 165838.0/18$

Left In: 17.849 ± 0.008 $\chi^2/\text{NDF}: 11608.2/10$

Left: 17.698 ± 0.005 $\chi^2/\text{NDF}: 82249.2/22$

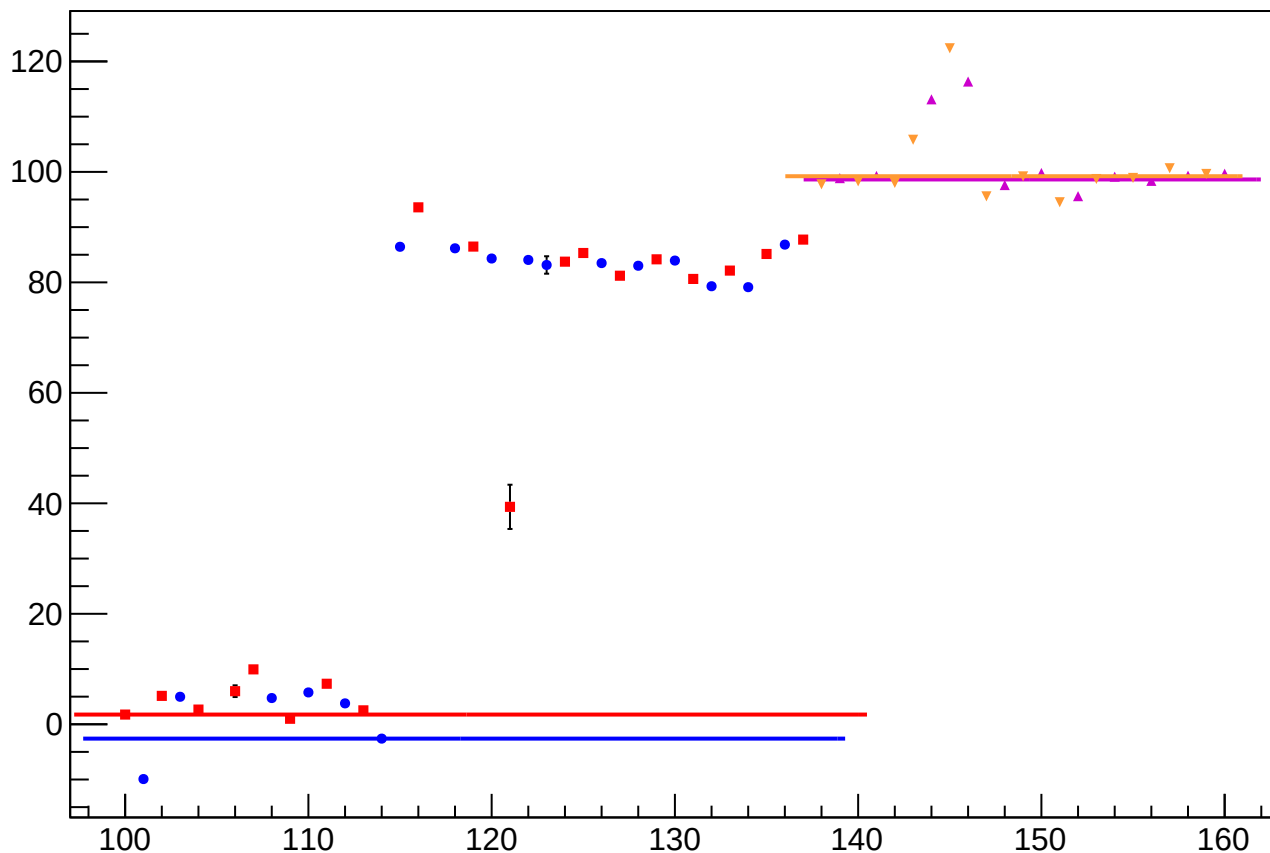
Right: 22.790 ± 0.006 $\chi^2/\text{NDF}: 272655.1/35$

In: 19.739 ± 0.006 $\chi^2/\text{NDF}: 268921.7/27$

Out: 19.569 ± 0.005 $\chi^2/\text{NDF}: 465660.0/30$

All: 19.647 ± 0.004 $\chi^2/\text{NDF}: 735026.0/58$

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596+/-0.000 χ^2/NDF : 7395182.7/16

Left Out: 99.217+/-0.014 χ^2/NDF : 68139.6/11

Right Out: 1.758+/-0.000 χ^2/NDF : 4230949.4/18

Left In: 98.629+/-0.014 χ^2/NDF : 16549.9/10

Left: 98.913+/-0.010 χ^2/NDF : 85571.5/22

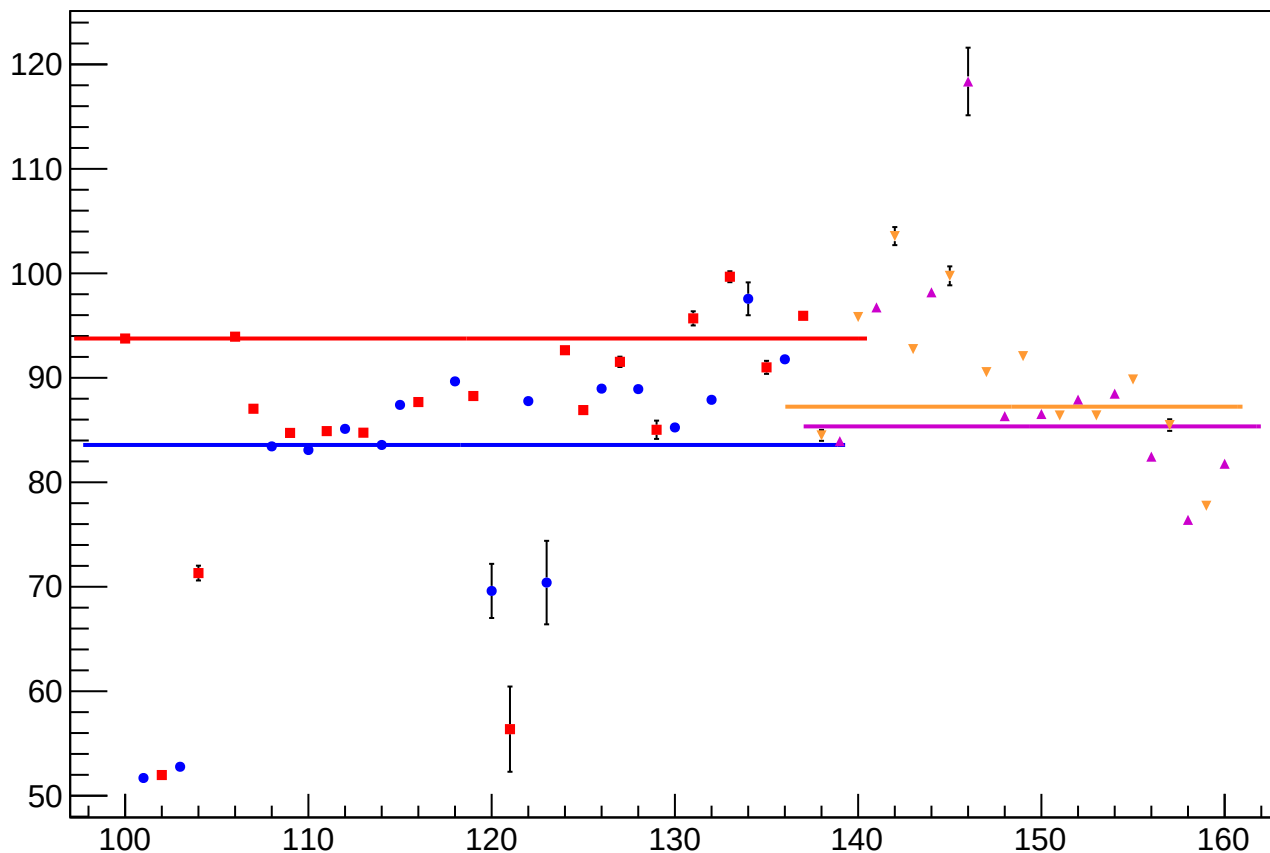
Right: -1.059+/-0.000 χ^2/NDF : 3731791751577379

In: -2.596+/-0.000 χ^2/NDF : 61542466.0/27

Out: 1.758+/-0.000 χ^2/NDF : 50980893.4/30

All: -1.059+/-0.000 χ^2/NDF : 3731791751577

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573+/-0.000 χ^2 /NDF: 49468.0/16

Left Out: 87.237+/-0.089 χ^2 /NDF:5156.2/11

Right Out: 93.762+/-0.000 χ^2 /NDF: 82848.8/18

Left In: 85.349+/-0.066 χ^2 /NDF:5914.7/10

Left: 86.024+/-0.053 χ^2 /NDF: 11363.1/22

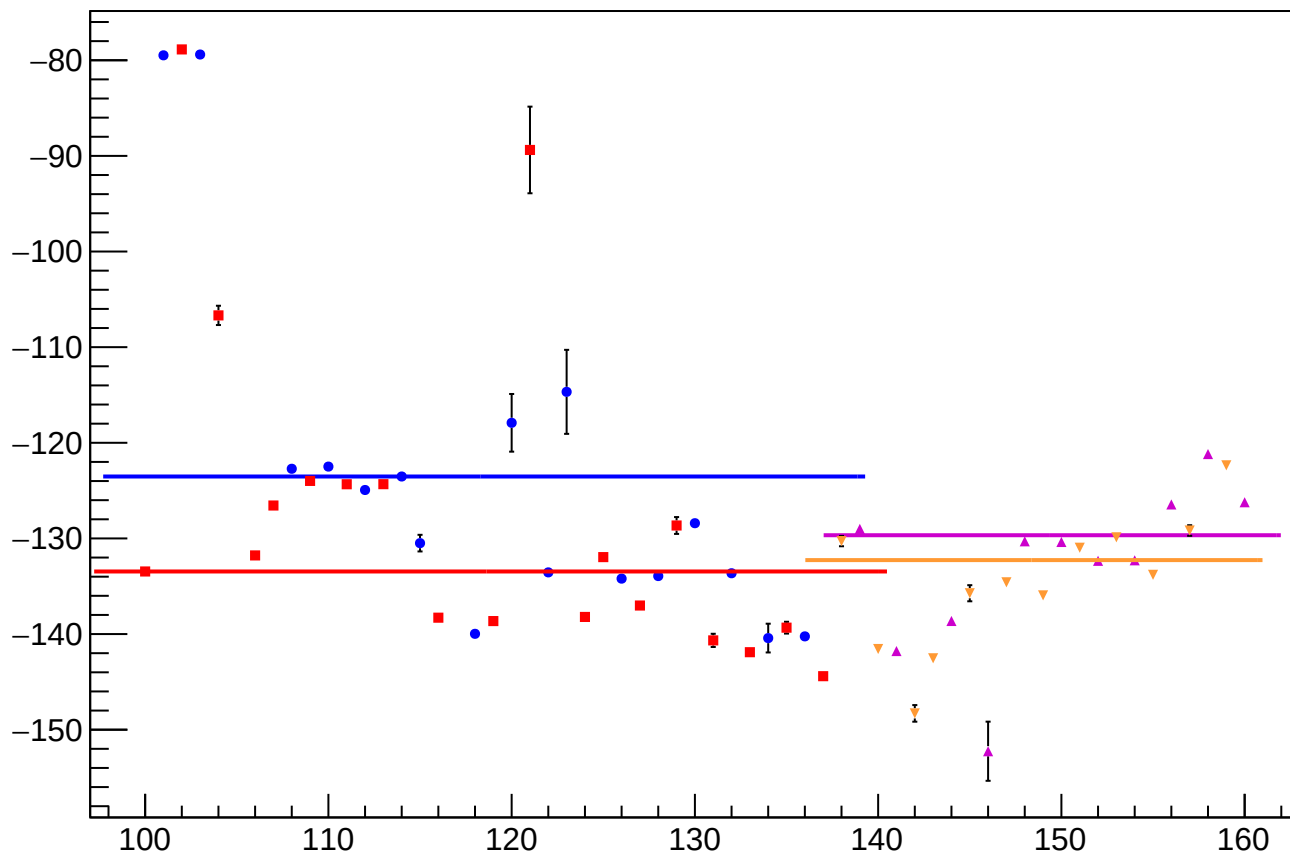
Right: 87.169+/-0.000 χ^2 /NDF: 1995684404141260

In: 83.573+/-0.000 χ^2 /NDF:56106.0/27

Out: 93.762+/-0.000 χ^2 /NDF:93435.7/30

All: 87.169+/-0.000 χ^2 /NDF: 1995684404141

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524 $\pm$ 0.000 χ^2 /NDF: 160356.5/16

Left Out: -132.266 $\pm$ 0.088 χ^2 /NDF: 6588.8/11

Right Out: -133.456 $\pm$ 0.000 χ^2 /NDF: 394896.3/18

Left In: -129.665 $\pm$ 0.065 χ^2 /NDF: 5103.7/10

Left: -130.580 $\pm$ 0.052 χ^2 /NDF: 12260.0/22

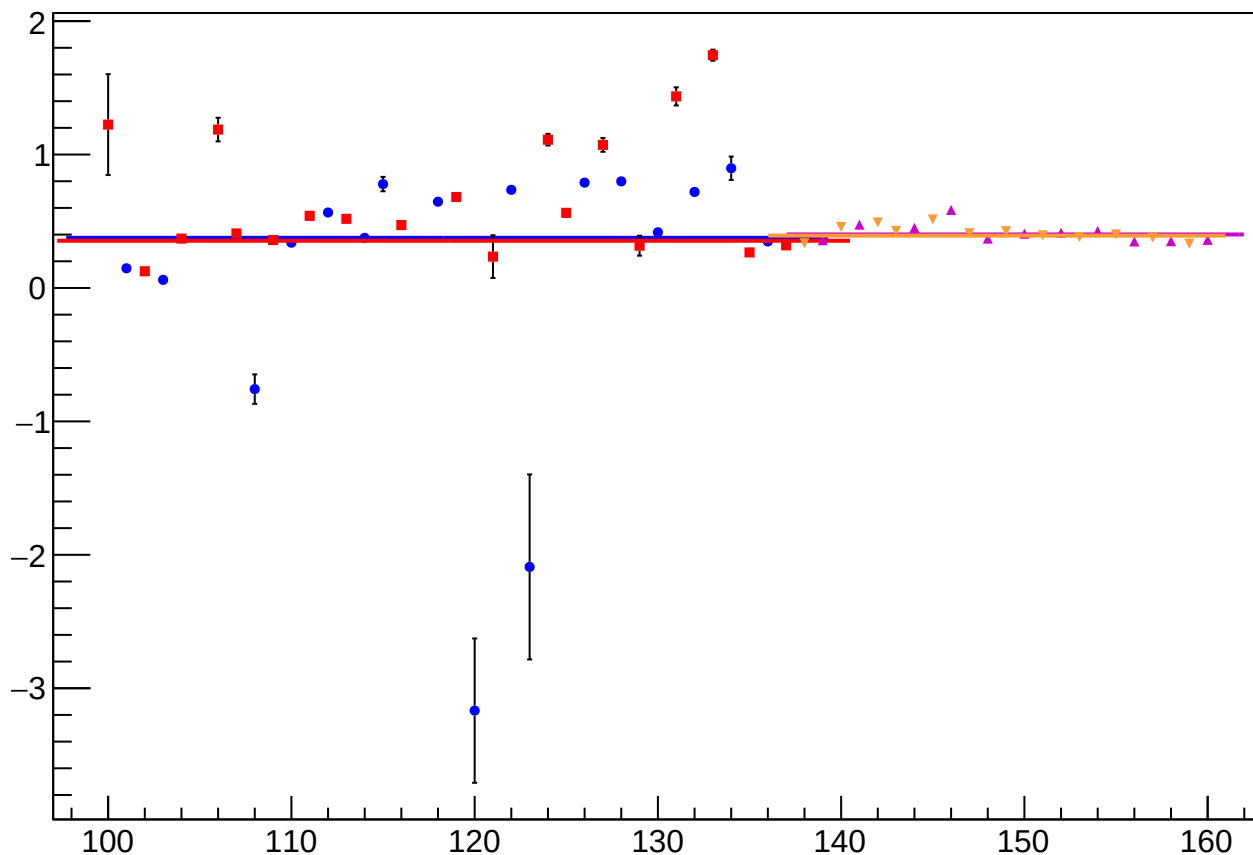
Right: -124.716 $\pm$ 0.000 χ^2 /NDF: 64467869901657

In: -123.524 $\pm$ 0.000 χ^2 /NDF: 174460.7/27

Out: -133.456 $\pm$ 0.000 χ^2 /NDF: 401668.0/30

All: -124.716 $\pm$ 0.000 χ^2 /NDF: 64467869901

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 3961.7/16

Left Out: 0.392 $\pm$ 0.001 χ^2 /NDF:4156.7/11

Right Out: 0.354 $\pm$ 0.002 χ^2 /NDF: 4592.7/18

Left In: 0.401 $\pm$ 0.001 χ^2 /NDF:5872.2/10

Left: 0.398 $\pm$ 0.000 χ^2 /NDF: 10132.1/22

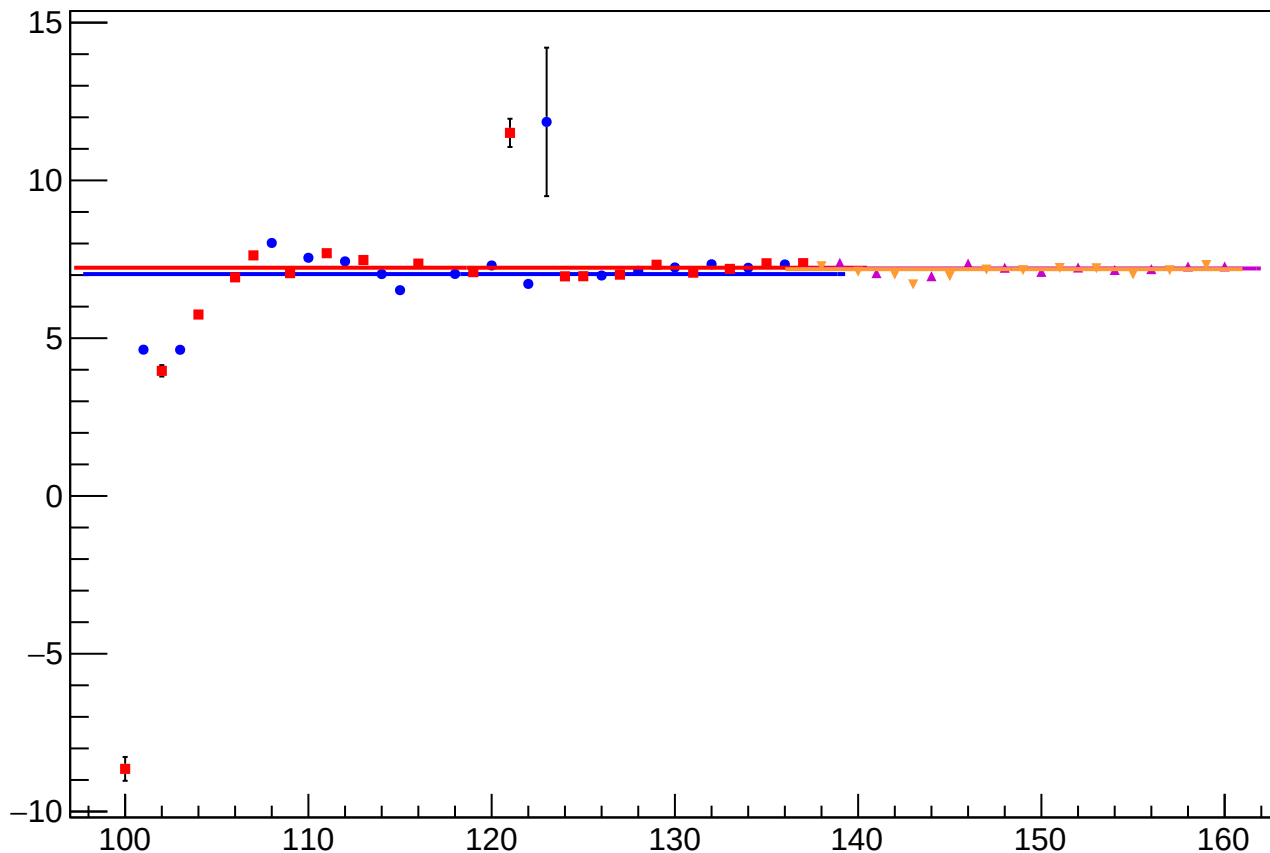
Right: 0.376 $\pm$ 0.000 χ^2 /NDF: 8762.1/35

In: 0.376 $\pm$ 0.000 χ^2 /NDF:12071.4/27

Out: 0.386 $\pm$ 0.001 χ^2 /NDF:9296.1/30

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 21681.7/58

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 19770.1/16

Left Out: 7.187 $\pm$ 0.001 χ^2 /NDF:21953.7/11

Right Out: 7.233 $\pm$ 0.002 χ^2 /NDF: 10061.8/18

Left In: 7.210 $\pm$ 0.001 χ^2 /NDF:9983.3/10

Left: 7.199 $\pm$ 0.001 χ^2 /NDF: 32181.5/22

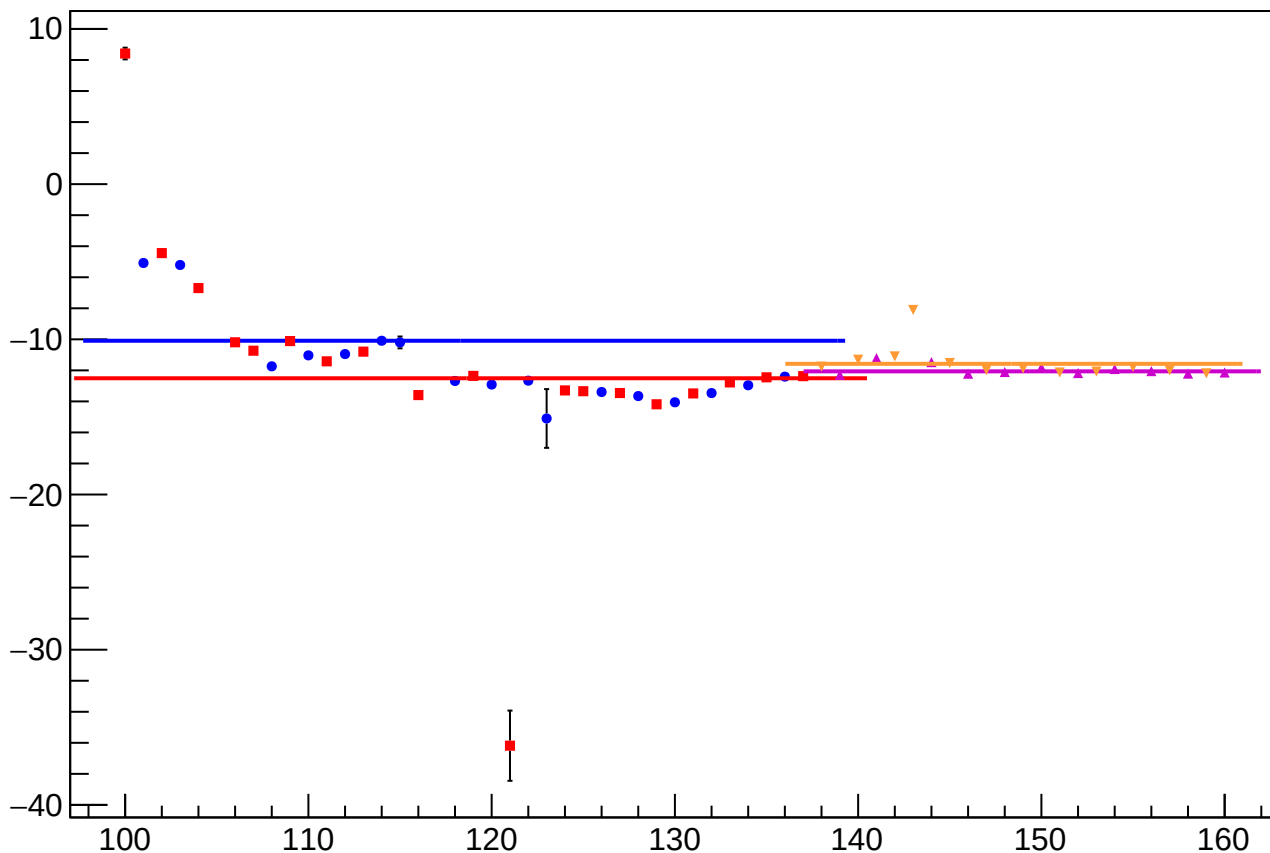
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 36990.7/35

In: 7.032 $\pm$ 0.000 χ^2 /NDF:63618.6/27

Out: 7.195 $\pm$ 0.001 χ^2 /NDF:32325.1/30

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 124515.5/58

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 ± 0.000 χ^2/NDF : 543504.2/16

Left Out: -11.579 ± 0.002 χ^2/NDF : 389636.1/11

Right Out: -12.509 ± 0.004 χ^2/NDF : 103509.4/18

Left In: -12.063 ± 0.002 χ^2/NDF : 14762.4/10

Left: -11.838 ± 0.001 χ^2/NDF : 434531.7/22

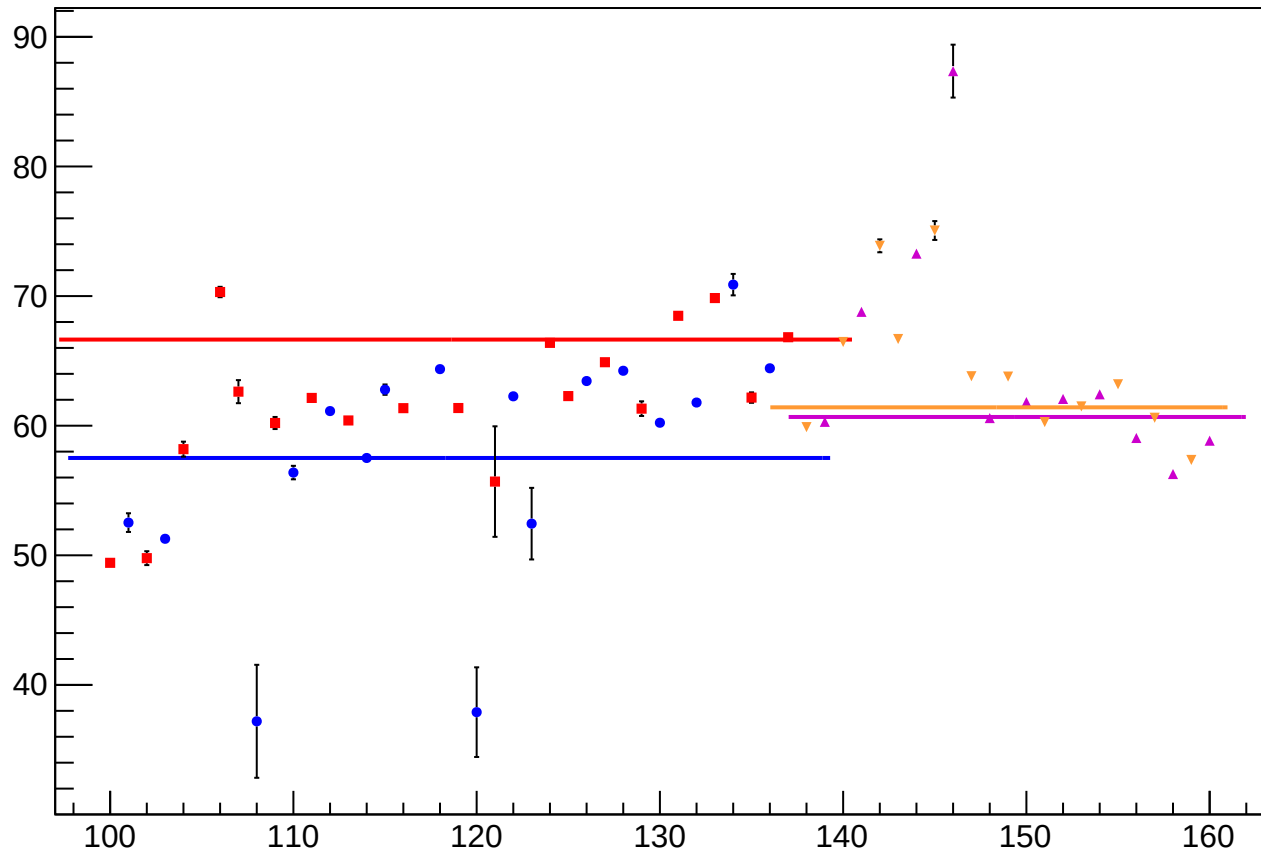
Right: -10.092 ± 0.000 χ^2/NDF : 1062248.5/35

In: -10.092 ± 0.000 χ^2/NDF : 1633896.4/27

Out: -11.791 ± 0.002 χ^2/NDF : 540559.0/30

All: -10.092 ± 0.000 χ^2/NDF : 3074150.6/58

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 $\pm$ 0.000 χ^2 /NDF: 8108.6/16

Left Out: 61.416 $\pm$ 0.051 χ^2 /NDF:4743.2/11

Right Out: 66.645 $\pm$ 0.013 χ^2 /NDF: 8163.8/18

Left In: 60.673 $\pm$ 0.038 χ^2 /NDF:5574.8/10

Left: 60.944 $\pm$ 0.031 χ^2 /NDF: 10454.1/22

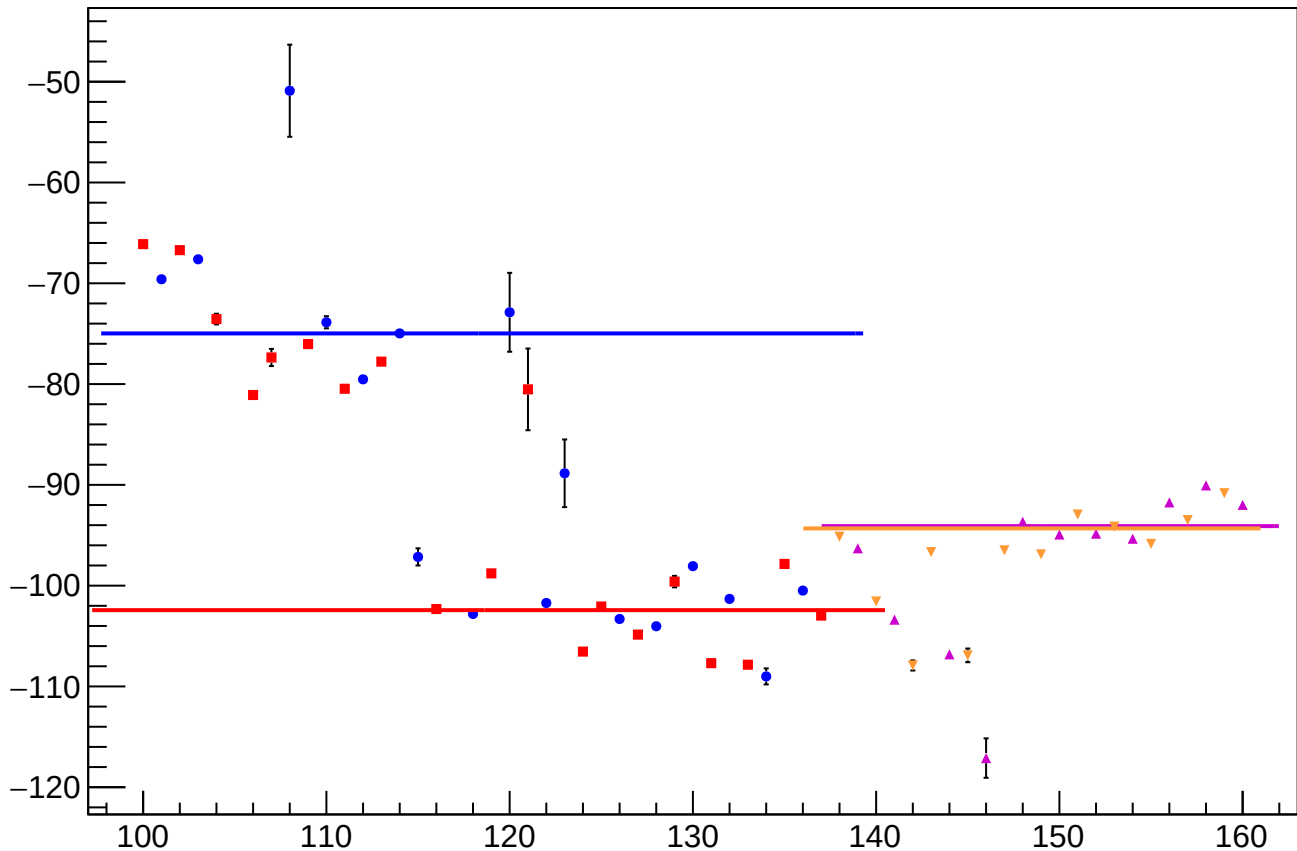
Right: 57.510 $\pm$ 0.000 χ^2 /NDF: 504438.3/35

In: 57.510 $\pm$ 0.000 χ^2 /NDF:20443.0/27

Out: 66.319 $\pm$ 0.013 χ^2 /NDF:22856.9/30

All: 57.510 $\pm$ 0.000 χ^2 /NDF: 527439.1/58

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 130544.0/16$

Left Out: -94.322 ± 0.051 $\chi^2/\text{NDF}: 4199.2/11$

Right Out: -102.430 ± 0.018 $\chi^2/\text{NDF}: 50377.5/18$

Left In: -94.091 ± 0.039 $\chi^2/\text{NDF}: 6139.0/10$

Left: -94.176 ± 0.031 $\chi^2/\text{NDF}: 10351.1/22$

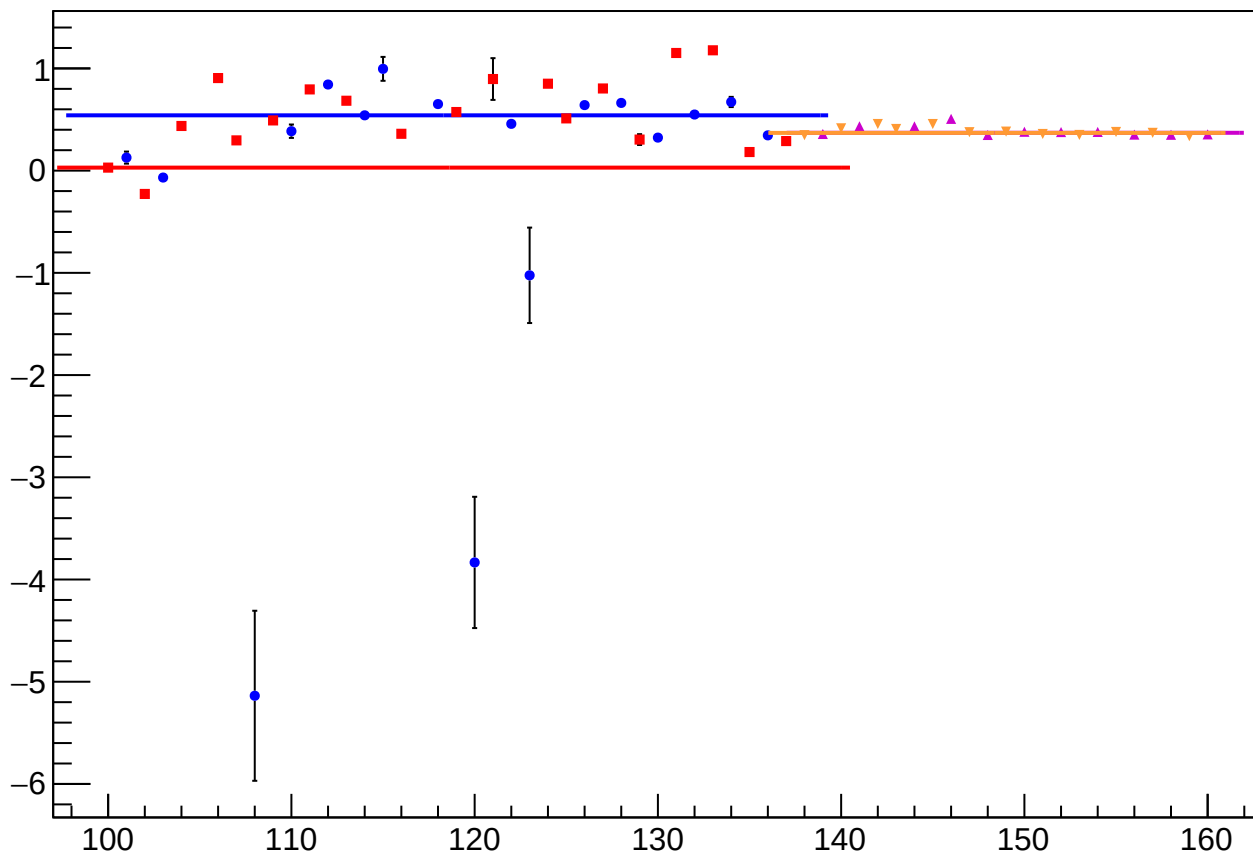
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2556524.2/35$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 377890.1/27$

Out: -101.547 ± 0.017 $\chi^2/\text{NDF}: 77154.9/30$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2952343.7/58$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.000 χ^2/NDF : 29180.5/16

Left Out: 0.369+/-0.000 χ^2/NDF : 2697.1/11

Right Out: 0.030+/-0.000 χ^2/NDF : 121659.5/18

Left In: 0.370+/-0.000 χ^2/NDF : 4868.0/10

Left: 0.370+/-0.000 χ^2/NDF : 7567.8/22

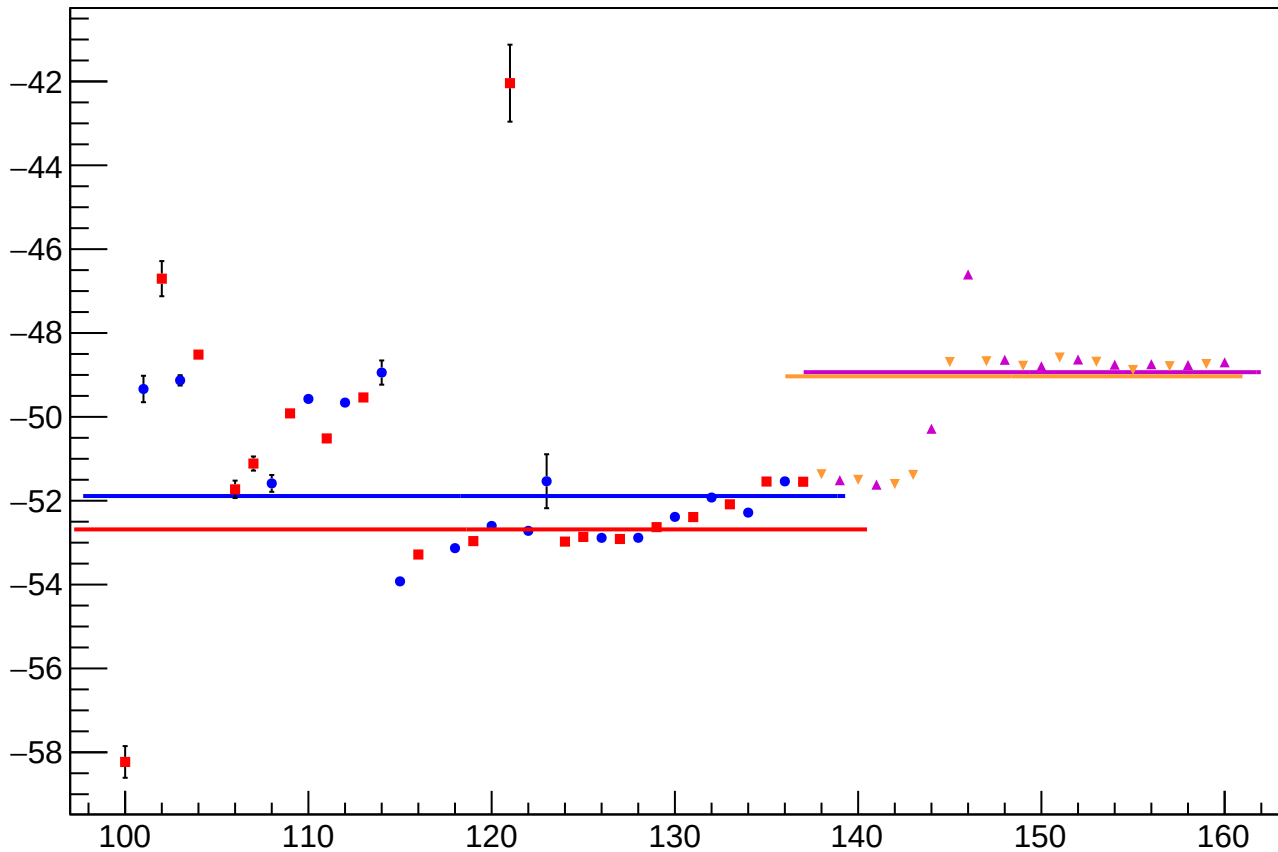
Right: 0.030+/-0.000 χ^2/NDF : 23314297700963382

In: 0.541+/-0.000 χ^2/NDF : 297257.2/27

Out: 0.030+/-0.000 χ^2/NDF : 608270.2/30

All: 0.030+/-0.000 χ^2/NDF : 23314297700963382

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -51.888 $\pm$ 0.002 χ^2 /NDF: 77585.2/16

Left Out: -49.033 $\pm$ 0.001 χ^2 /NDF: 339382.2/11

Right Out: -52.684 $\pm$ 0.003 χ^2 /NDF: 56125.8/18

Left In: -48.934 $\pm$ 0.001 χ^2 /NDF: 516571.0/10

Left: -48.969 $\pm$ 0.001 χ^2 /NDF: 858894.2/22

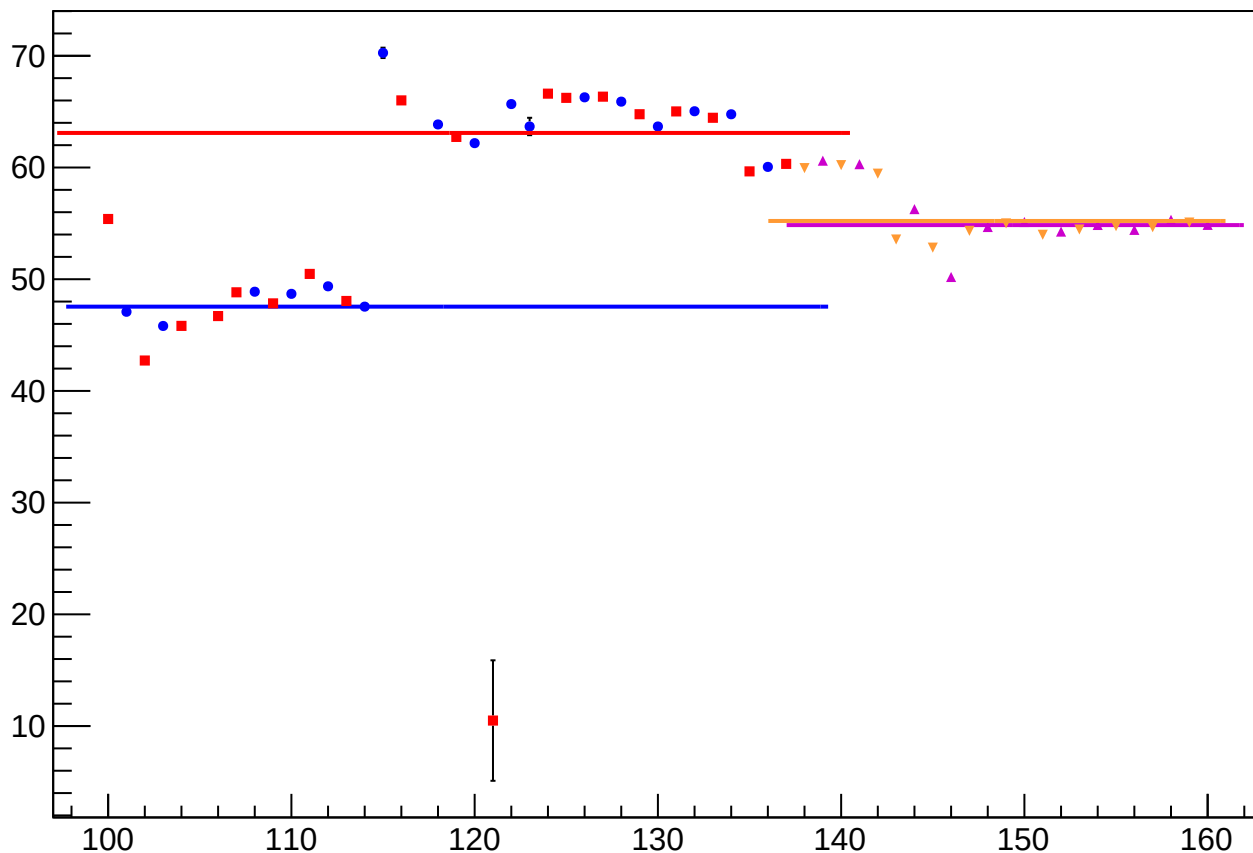
Right: -52.231 $\pm$ 0.002 χ^2 /NDF: 188721.6/35

In: -49.492 $\pm$ 0.001 χ^2 /NDF: 2019494.2/27

Out: -49.937 $\pm$ 0.001 χ^2 /NDF: 1926121.9/30

All: -49.655 $\pm$ 0.001 χ^2 /NDF: 4022904.4/58

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000 χ^2/NDF : 3491700.1/16

Left Out: 55.216+/-0.004 χ^2/NDF : 222970.9/11

Right Out: 63.095+/-0.007 χ^2/NDF : 333637.2/18

Left In: 54.845+/-0.003 χ^2/NDF : 80325.9/10

Left: 54.988+/-0.002 χ^2/NDF : 310034.9/22

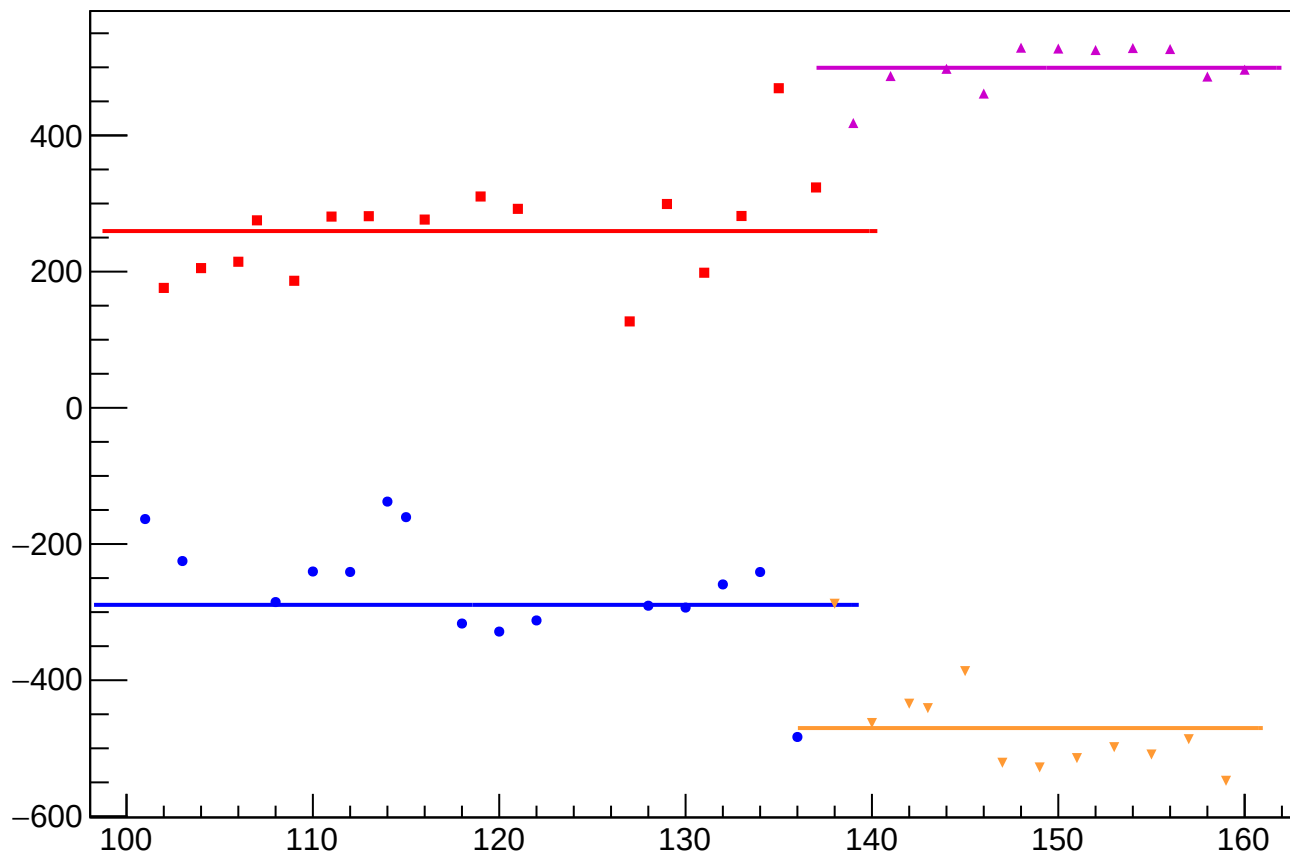
Right: 47.545+/-0.000 χ^2/NDF : 8155028.5/35

In: 47.545+/-0.000 χ^2/NDF : 10342151.7/27

Out: 56.658+/-0.003 χ^2/NDF : 1464872.6/30

All: 47.545+/-0.000 χ^2/NDF : 19931813.8/58

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

Left Out: -470.248+/-0.000

Right Out: 259.558+/-0.000

Left In: 499.323+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

χ^2/NDF : 4607361900635133507336893174223208448.0/11

χ^2/NDF : 4299886792692123970784563983770714112.0/15

χ^2/NDF : 1018789461606644410107221718465511424.0/10

Left: 16.381+/-0.000 χ^2/NDF : 43828608668570412

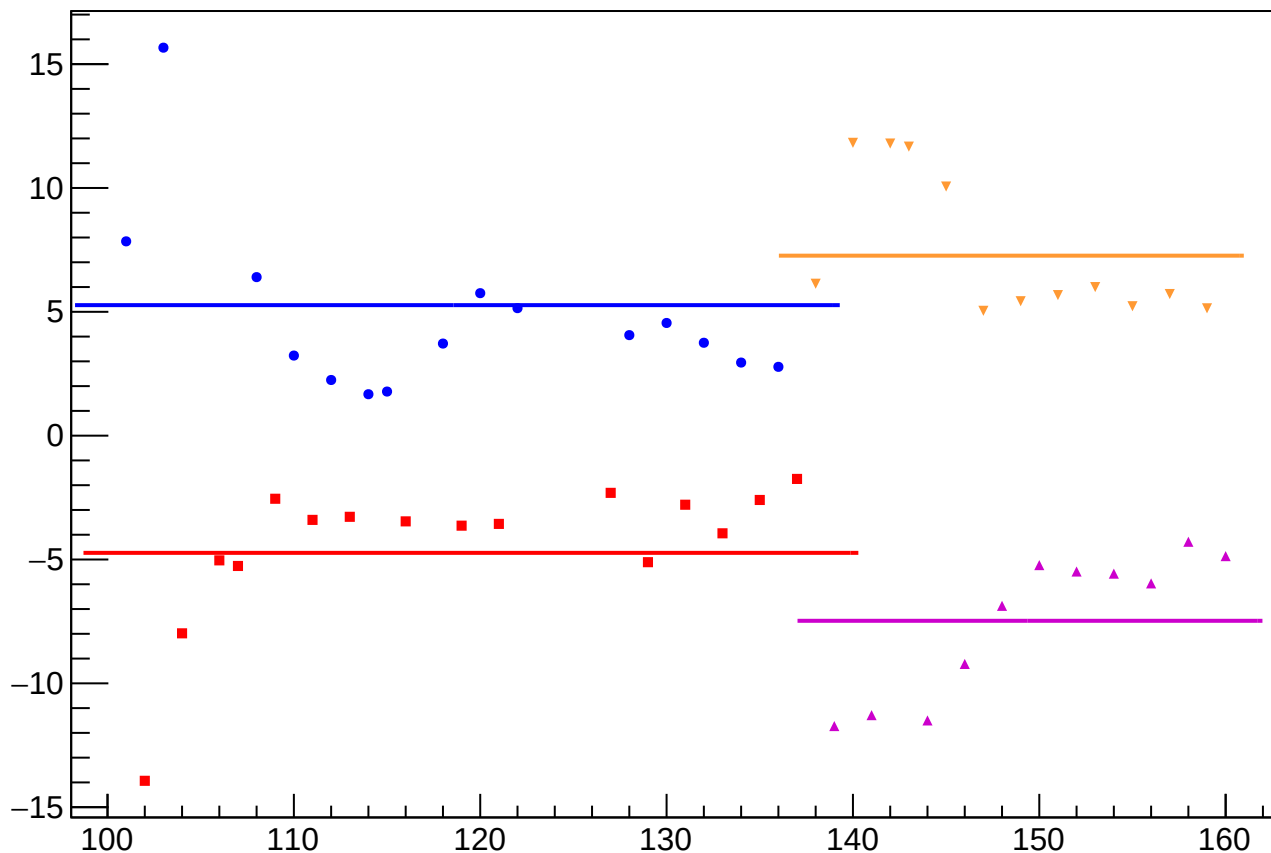
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -162.937+/-0.000 χ^2/NDF : 214569343830480

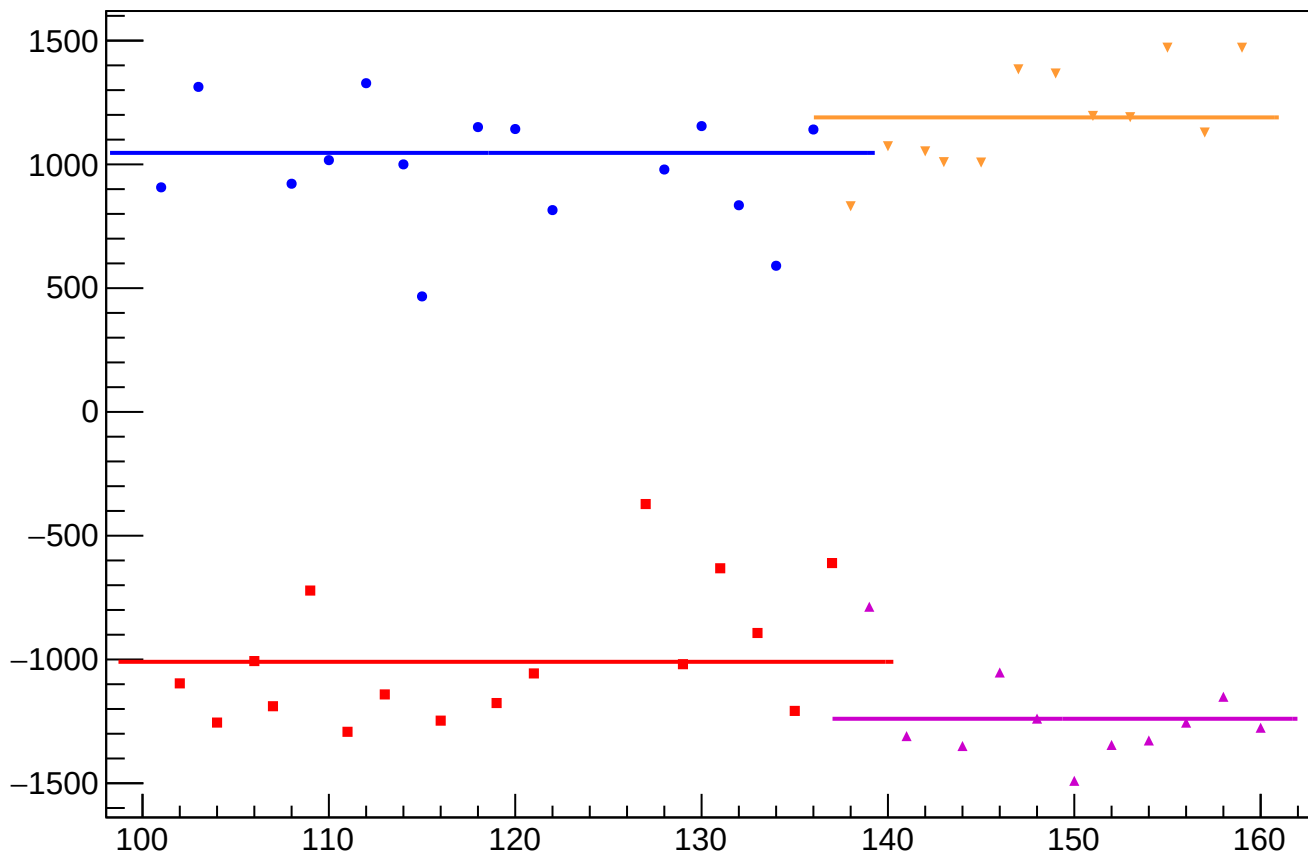
All: 4.914+/-0.000 χ^2/NDF : 5476353608355

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



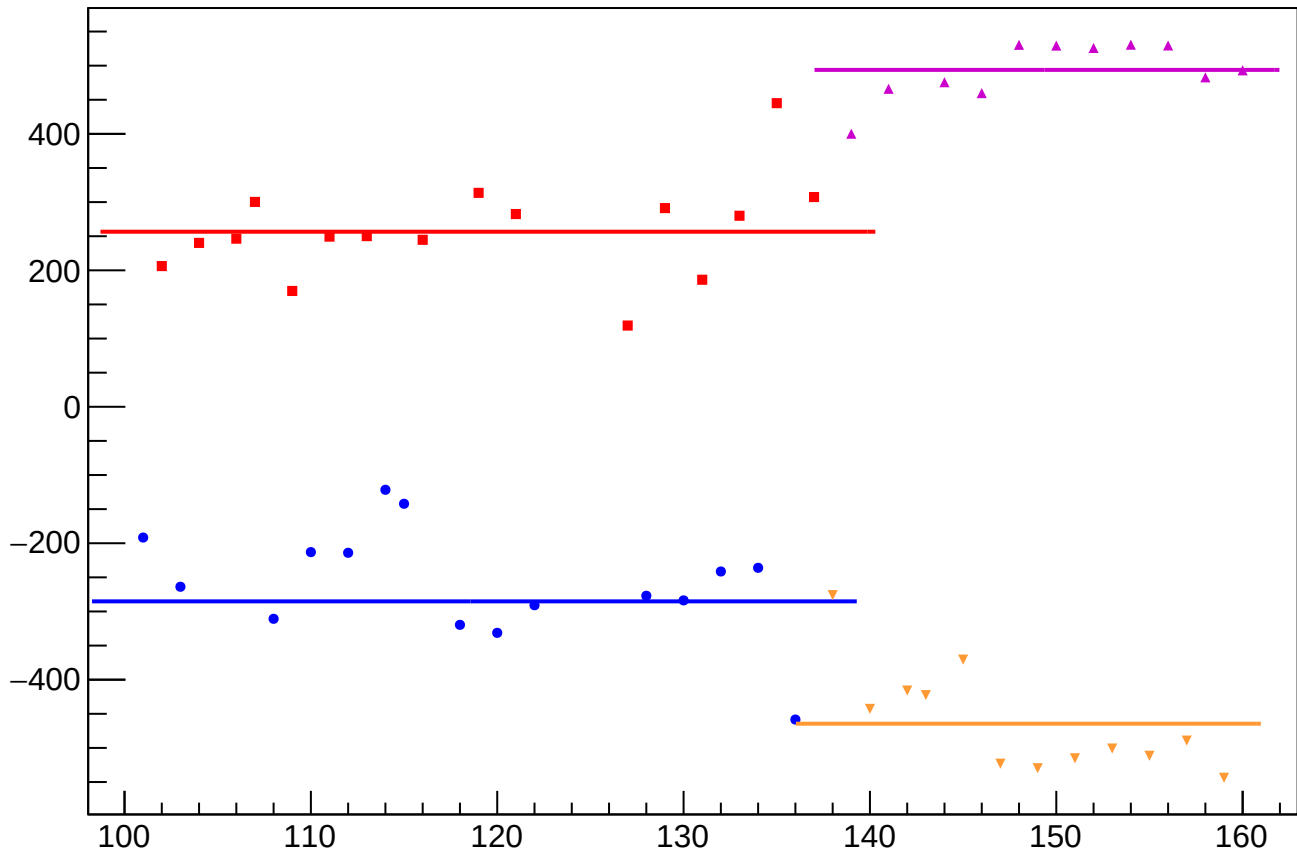
Right In: 5.270 ± 0.000 χ^2/NDF : 8709683292123798330550906790084608.0/14
 Left Out: 7.267 ± 0.000 χ^2/NDF : 6561845891361438099452945363894272.0/11
 Right Out: -4.732 ± 0.000 χ^2/NDF : 6856893072575211562802281426452480.0/15
 Left In: -7.475 ± 0.000 χ^2/NDF : 7057812139399579538870244550377472.0/10
 All: 0.007 ± 0.000 χ^2/NDF : 16219425295293

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -285.187+/-0.000

Left Out: -464.487+/-0.000

Right Out: 256.599+/-0.000

Left In: 493.780+/-0.000

χ^2/NDF : 4479585262853549838092521921291747328.0/14

χ^2/NDF : 5412512273744603577474879660526403584.0/11

χ^2/NDF : 3648271535971039165952602563191767040.0/15

χ^2/NDF : 1451794731277142230901460532226686976.0/10

Left: 16.468+/-0.000 χ^2/NDF : 42949444030060178

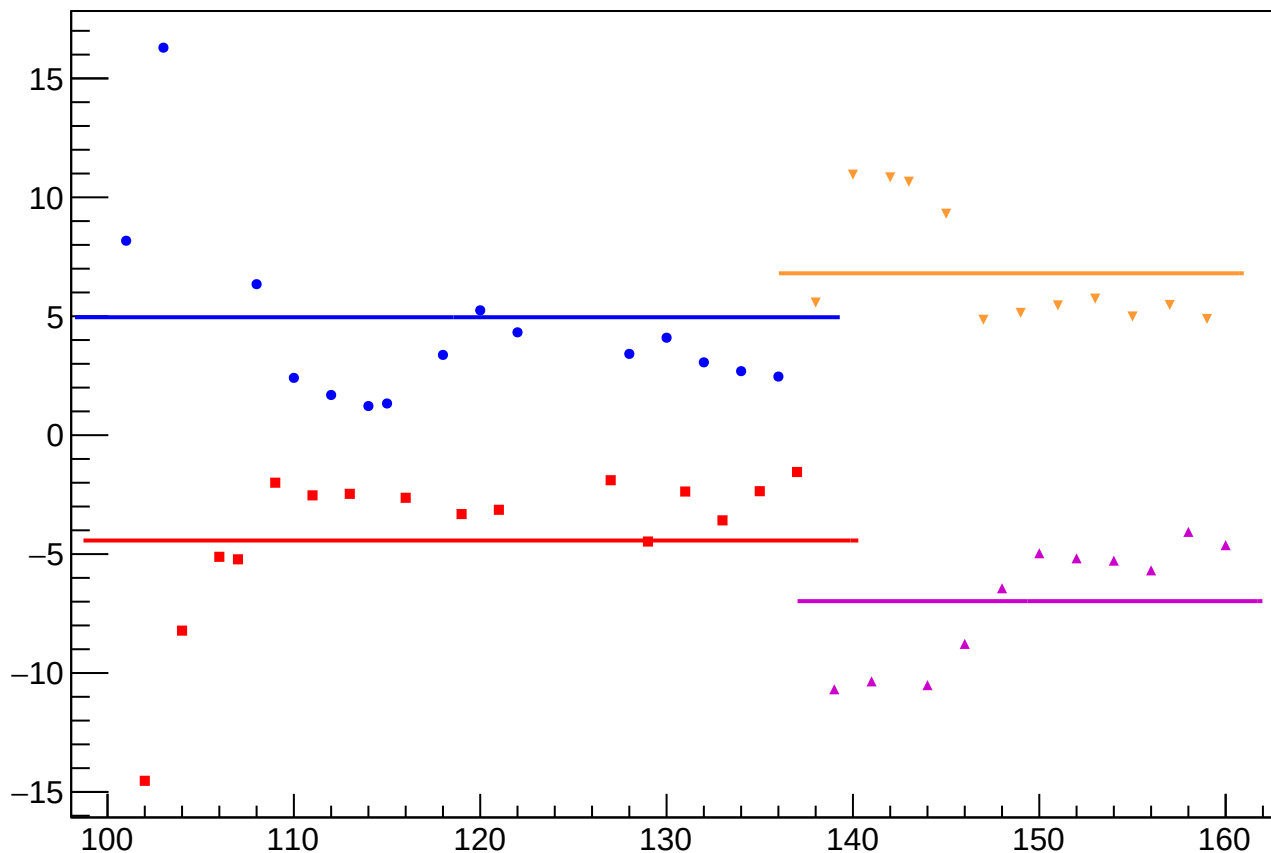
Right: -10.589+/-0.000 χ^2/NDF : 104681795299957

In: 172.388+/-0.000 χ^2/NDF : 23725794461997010

Out: -160.848+/-0.000 χ^2/NDF : 209837987568430

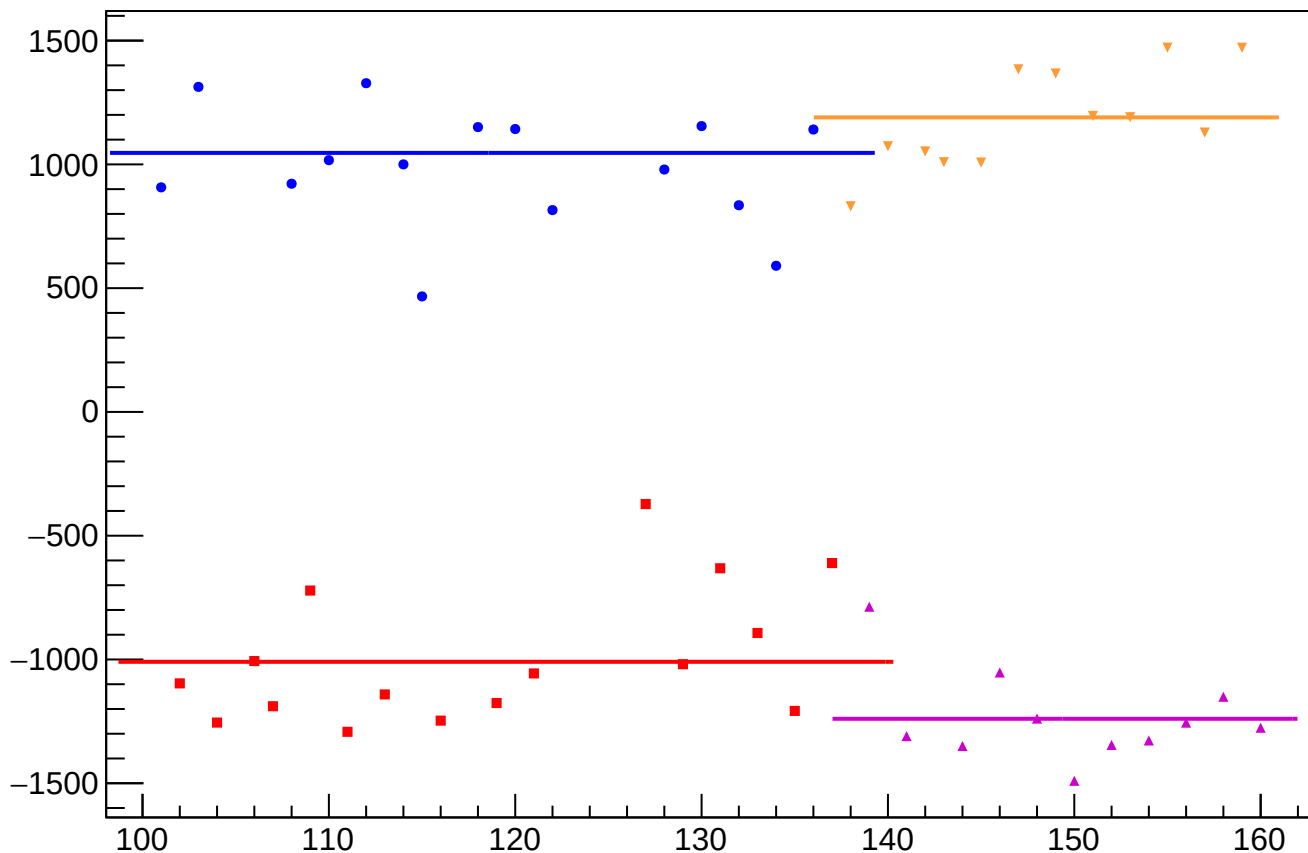
All: 5.190+/-0.000 χ^2/NDF : 53473803996129

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



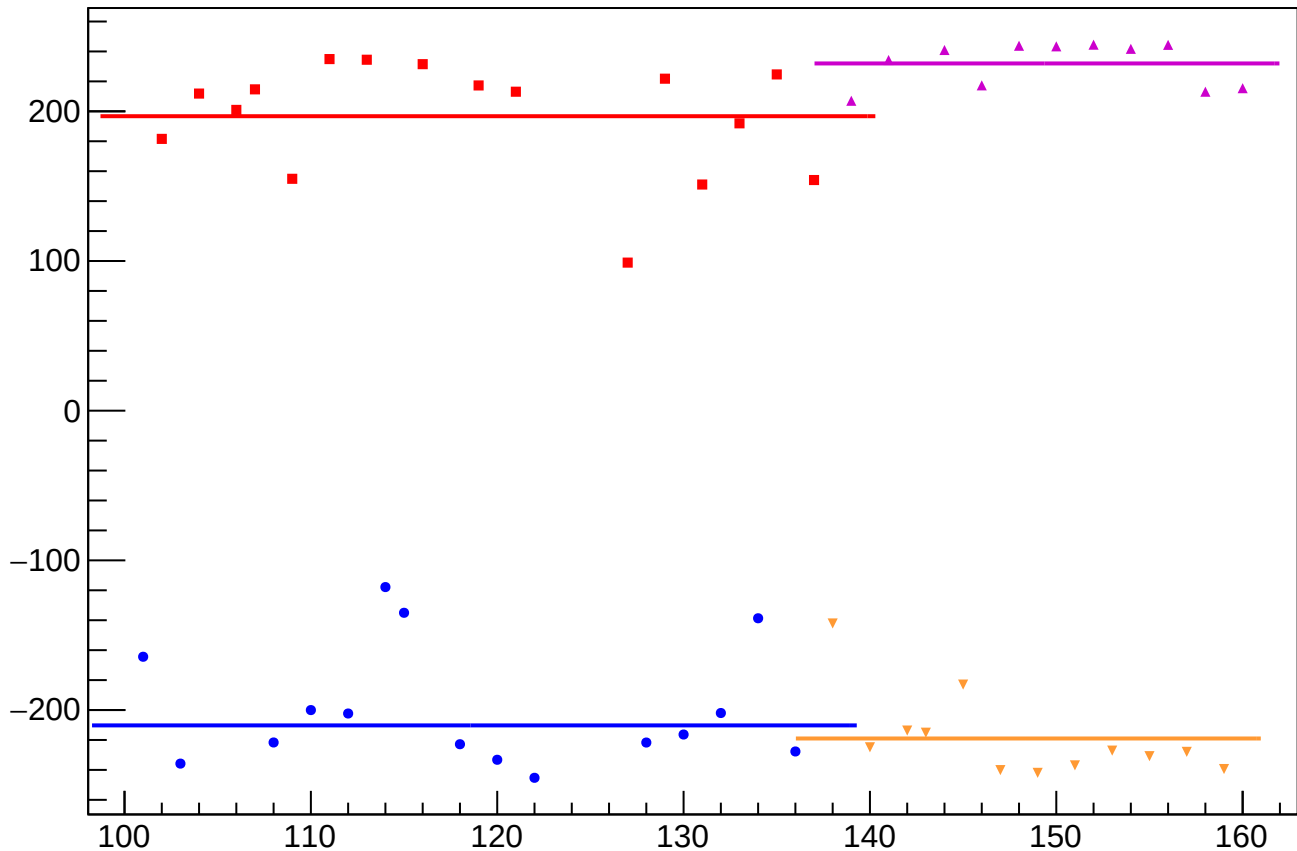
Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 6.806 ± 0.000 χ^2/NDF : 5243464744446974431083540143669248.0/11
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -6.978 ± 0.000 χ^2/NDF : 5622697014277754941158413236699136.0/10
 All: 0.018 ± 0.000 χ^2/NDF : 14620684457738

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

Left Out: -219.010+/-0.000

Right Out: 196.736+/-0.000

Left In: 231.985+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

χ^2/NDF : 731132234342099268900131615977504768.0/11

χ^2/NDF : 909588895093044840633640514790359040.0/15

χ^2/NDF : 182992027280401463139065105290887168.0/10

Left: 7.345+/-0.000 χ^2/NDF : 945260450334223642

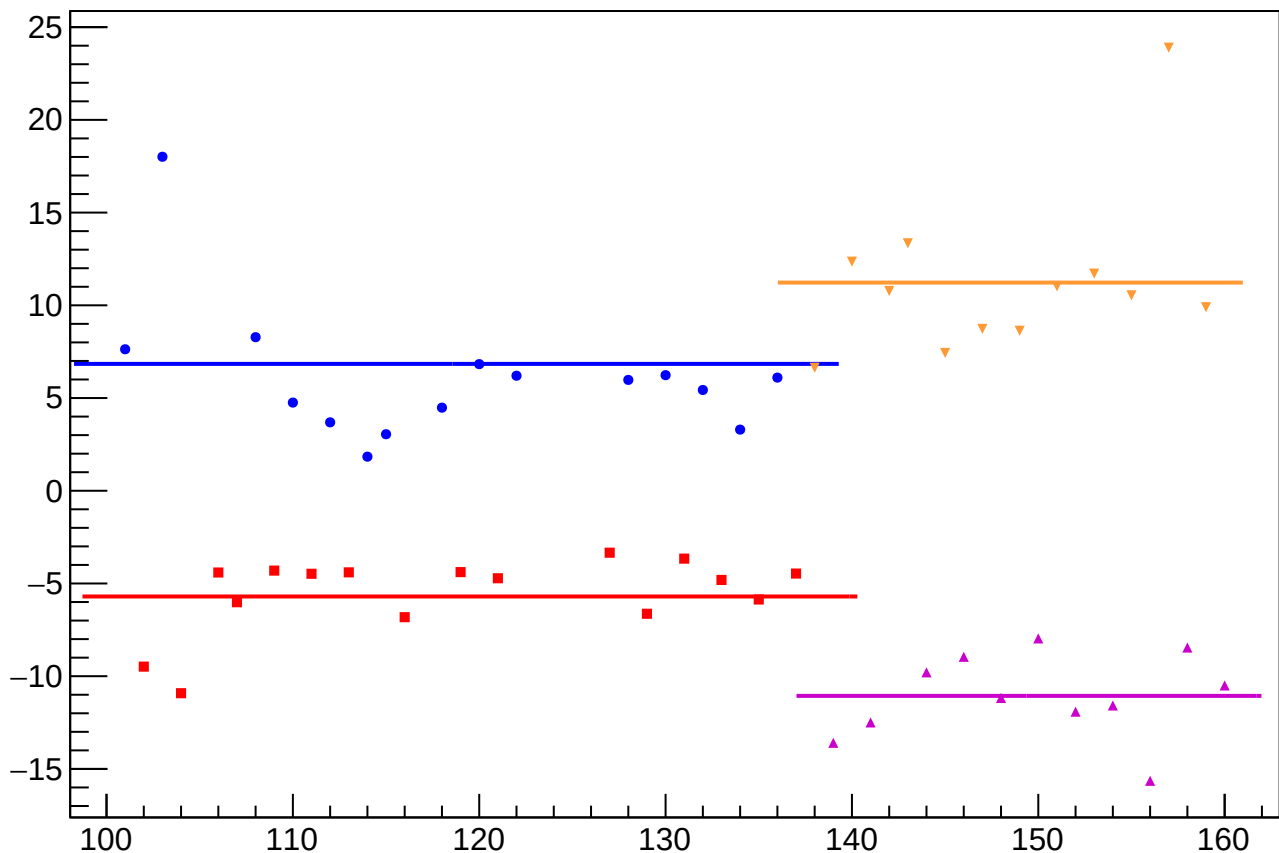
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -43.945+/-0.000 χ^2/NDF : 6838245163544745

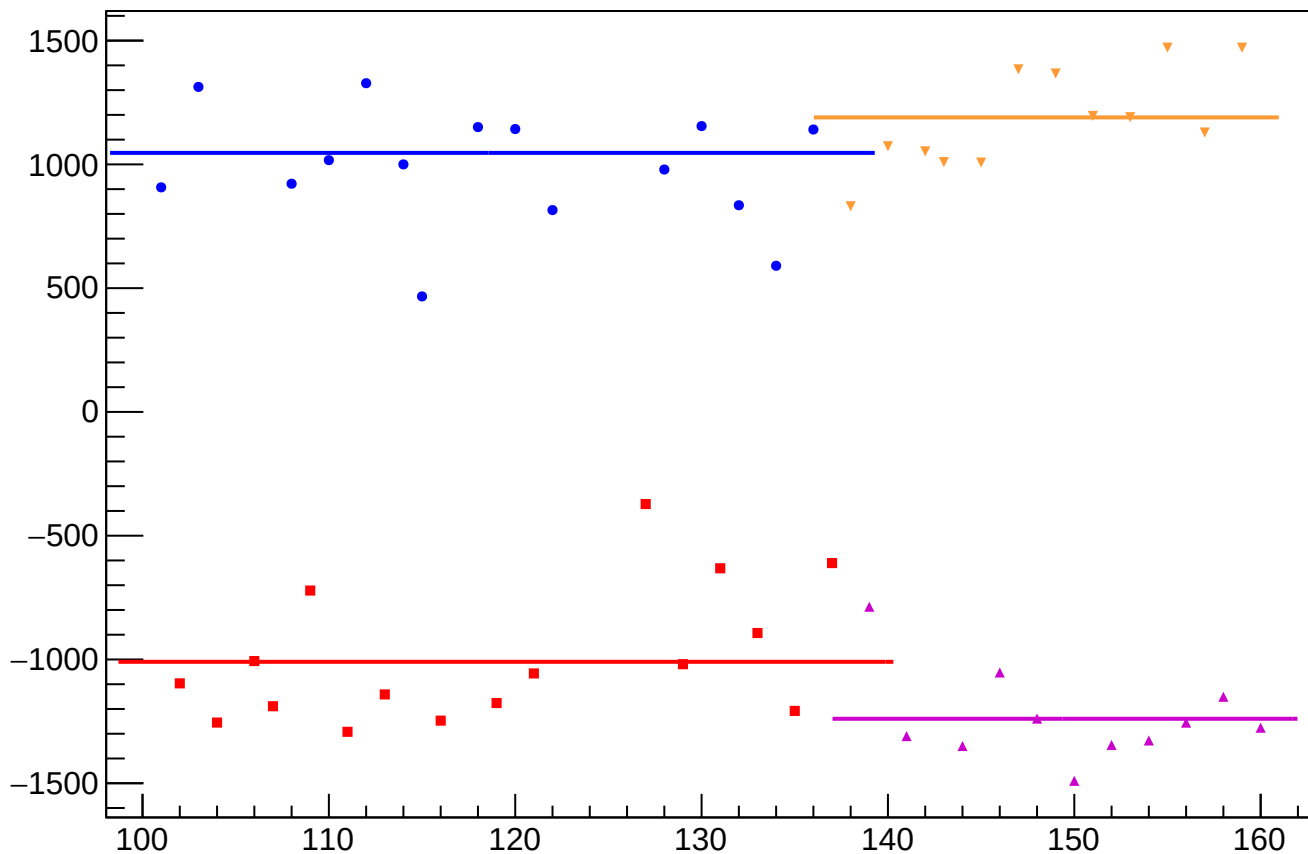
All: 2.624+/-0.000 χ^2/NDF : 15058953843996

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



Right In: 6.842 +/- 0.000 χ^2/NDF : 9355934166823324467316647620771840.0/14
 Left Out: 11.226 +/- 0.000 χ^2/NDF : 17157831728505810554543577208193024.0/11
 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: 0.225 +/- 0.000 χ^2/NDF : 31461560120365

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000

χ^2/NDF : 24866624766048512267031234680614551552.0/14

Left Out: 1189.821+/-0.000

χ^2/NDF : 35487872642876563282140008444600516608.0/11

Right Out: -1009.445+/-0.000

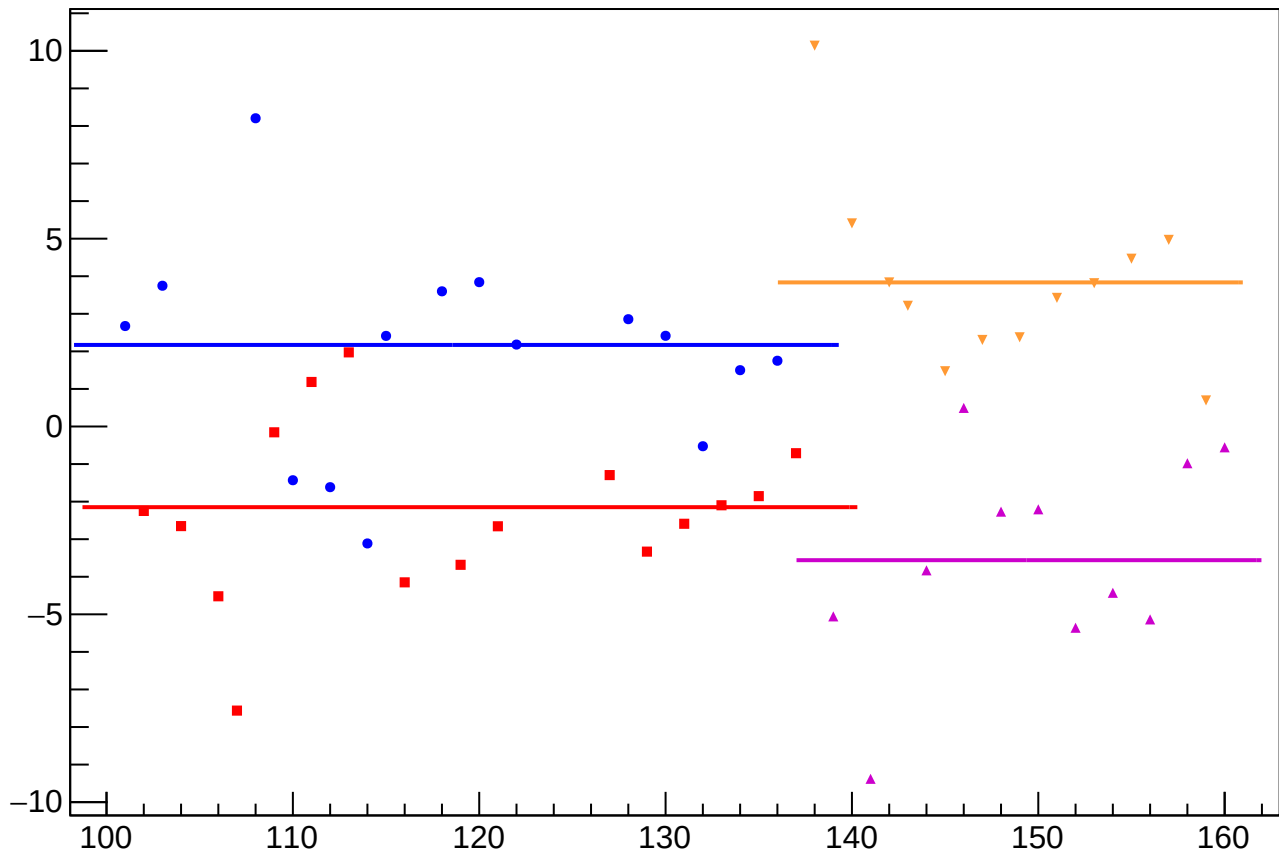
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1239.553+/-0.000

χ^2/NDF : 29116180330425505242594030704390045696.0/10

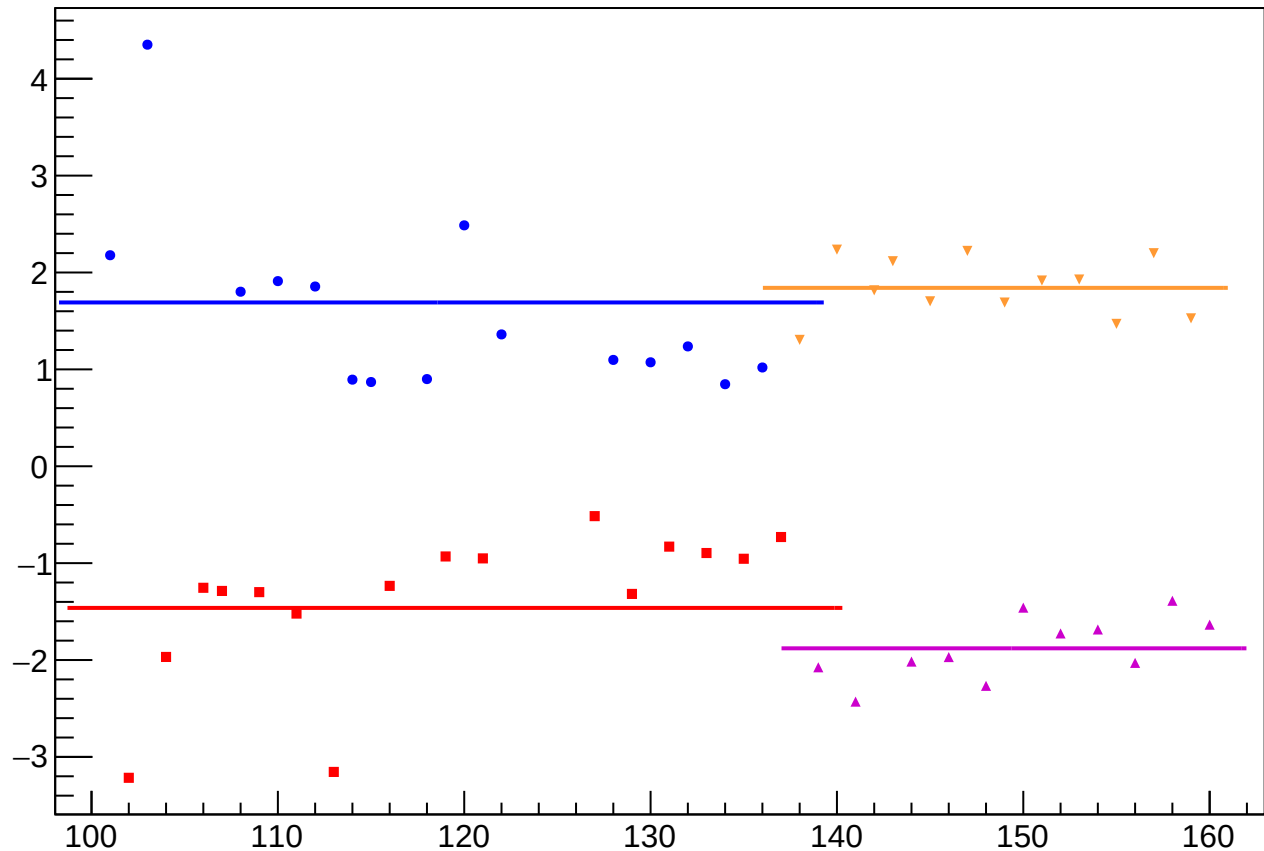
Left: -29.485+/-0.000 χ^2/NDF : 2780895357711007
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -296.360+/-0.000 χ^2/NDF : 2046292009130527
 Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_4aY_coil1_mean vs Slug, Sign Corrected



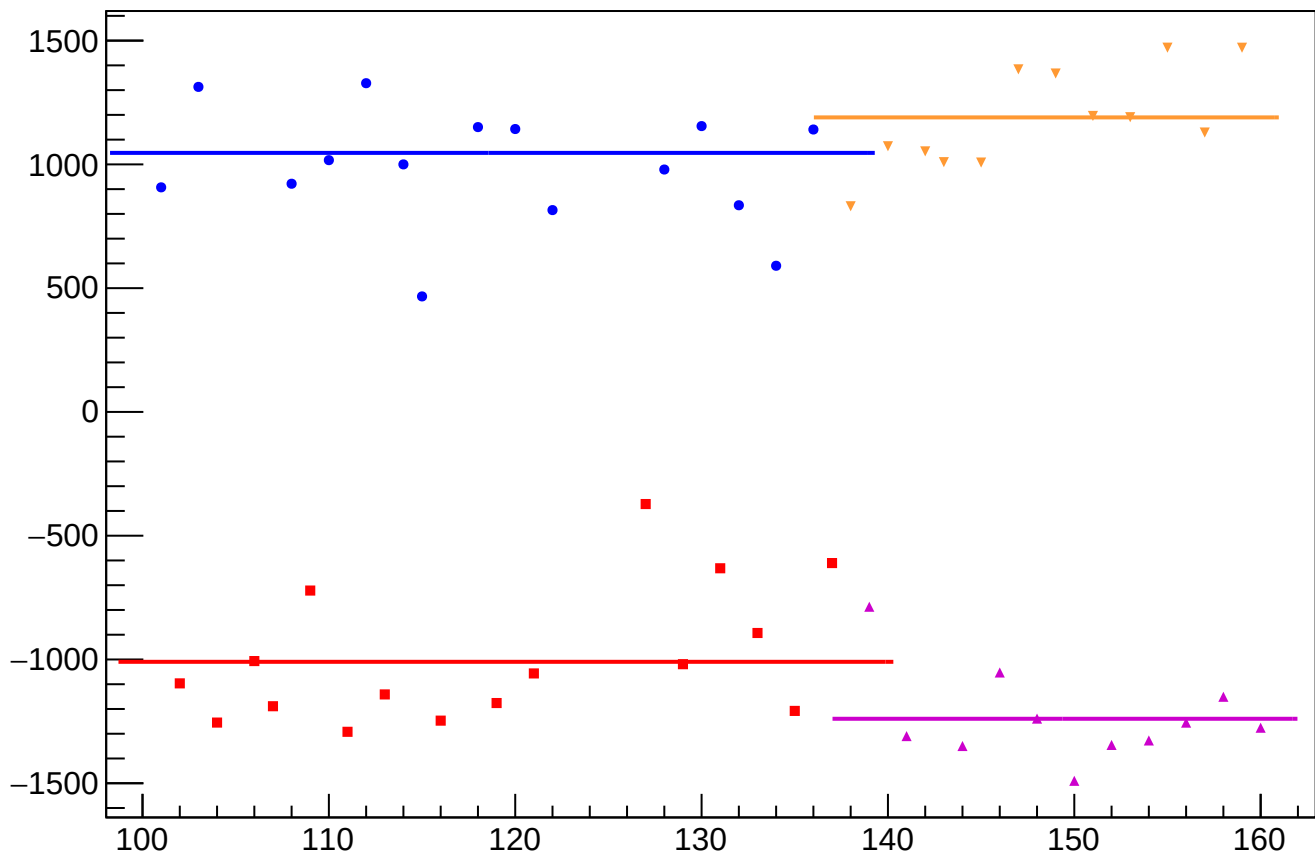
Left: 0.124 +/- 0.000 χ^2/NDF : 36735183295933049
 Right In: 2.171 +/- 0.000 χ^2/NDF : 3599819246909975678410499691642880.0/14
 Right: -0.018 +/- 0.000 χ^2/NDF : 1282950255194488
 Left Out: 3.836 +/- 0.000 χ^2/NDF : 5077142493205652960507998024761344.0/11
 In: -1.195 +/- 0.000 χ^2/NDF : 226097487134650351
 Right Out: -2.148 +/- 0.000 χ^2/NDF : 3093887336239378959606321931878400.0/15
 Out: 1.316 +/- 0.000 χ^2/NDF : 219948934261625392
 Left In: -3.559 +/- 0.000 χ^2/NDF : 6492667345109962540652165758713856.0/10
 All: 0.065 +/- 0.000 χ^2/NDF : 49580185469382

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



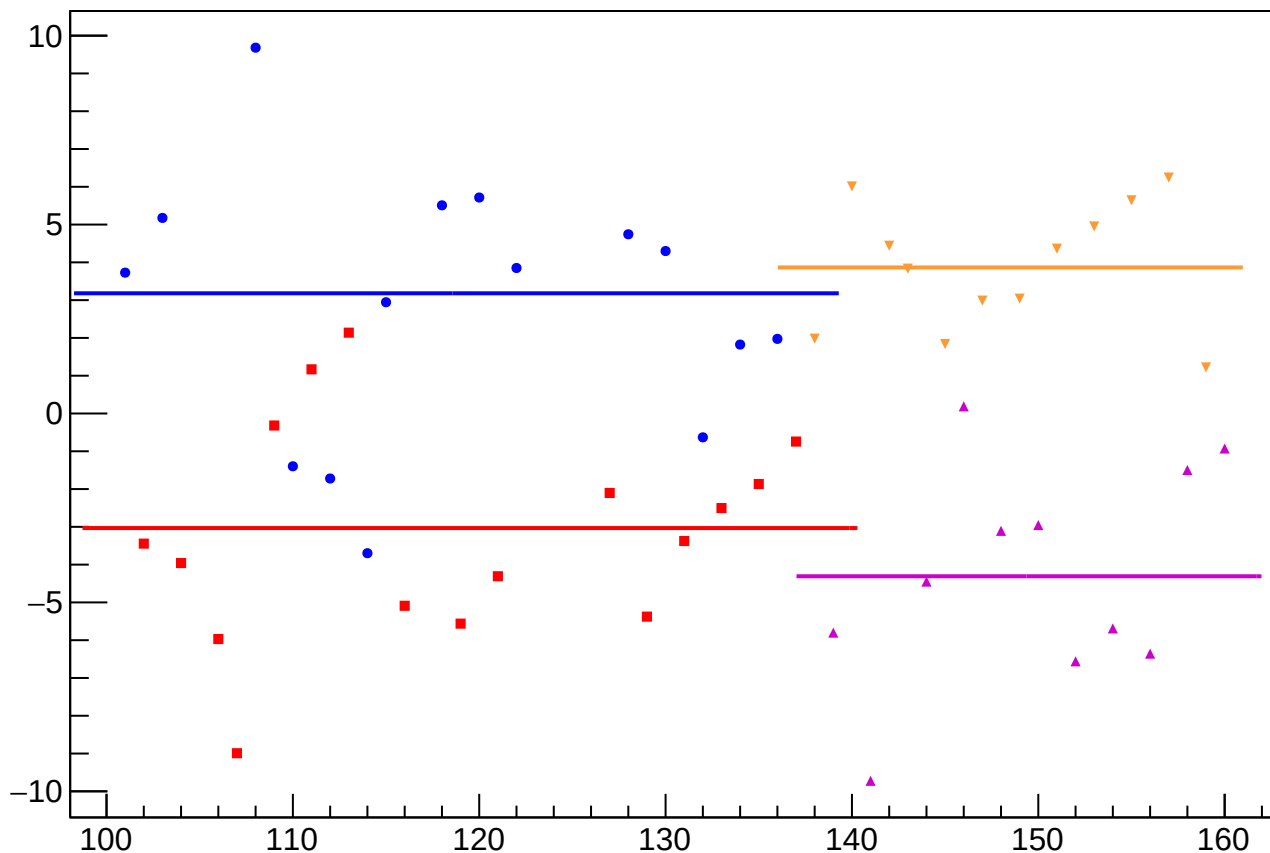
Right In: 1.691 ± 0.000 $\chi^2/\text{NDF}: 612163393317609859674079412355072.0/14$
 Left Out: 1.841 ± 0.000 $\chi^2/\text{NDF}: 85338663213371601399207847526400.0/11$
 Right Out: -1.462 ± 0.000 $\chi^2/\text{NDF}: 444384511662519040022371754835968.0/15$
 Left In: -1.879 ± 0.000 $\chi^2/\text{NDF}: 90968052268112309617342982127616.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10884931871335$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



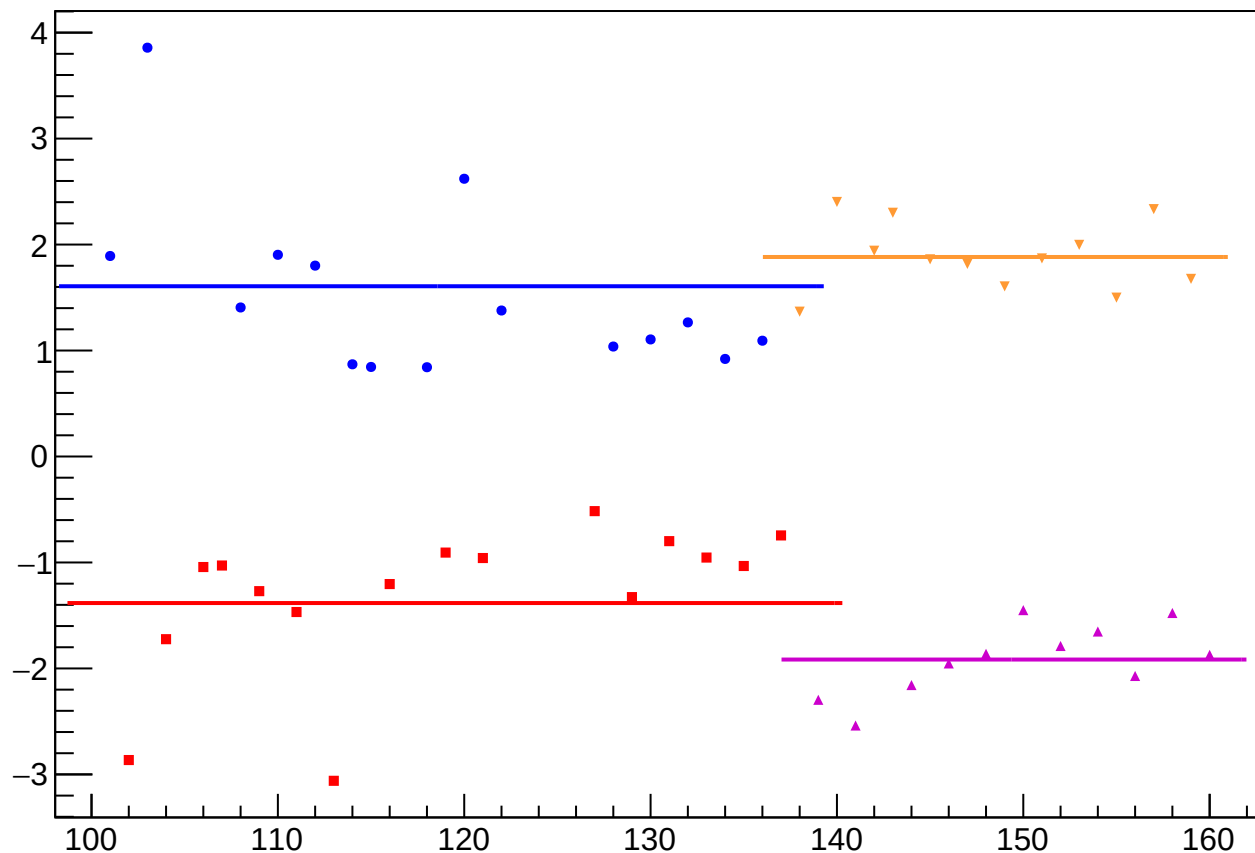
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_4eY_coil1_mean vs Slug, Sign Corrected



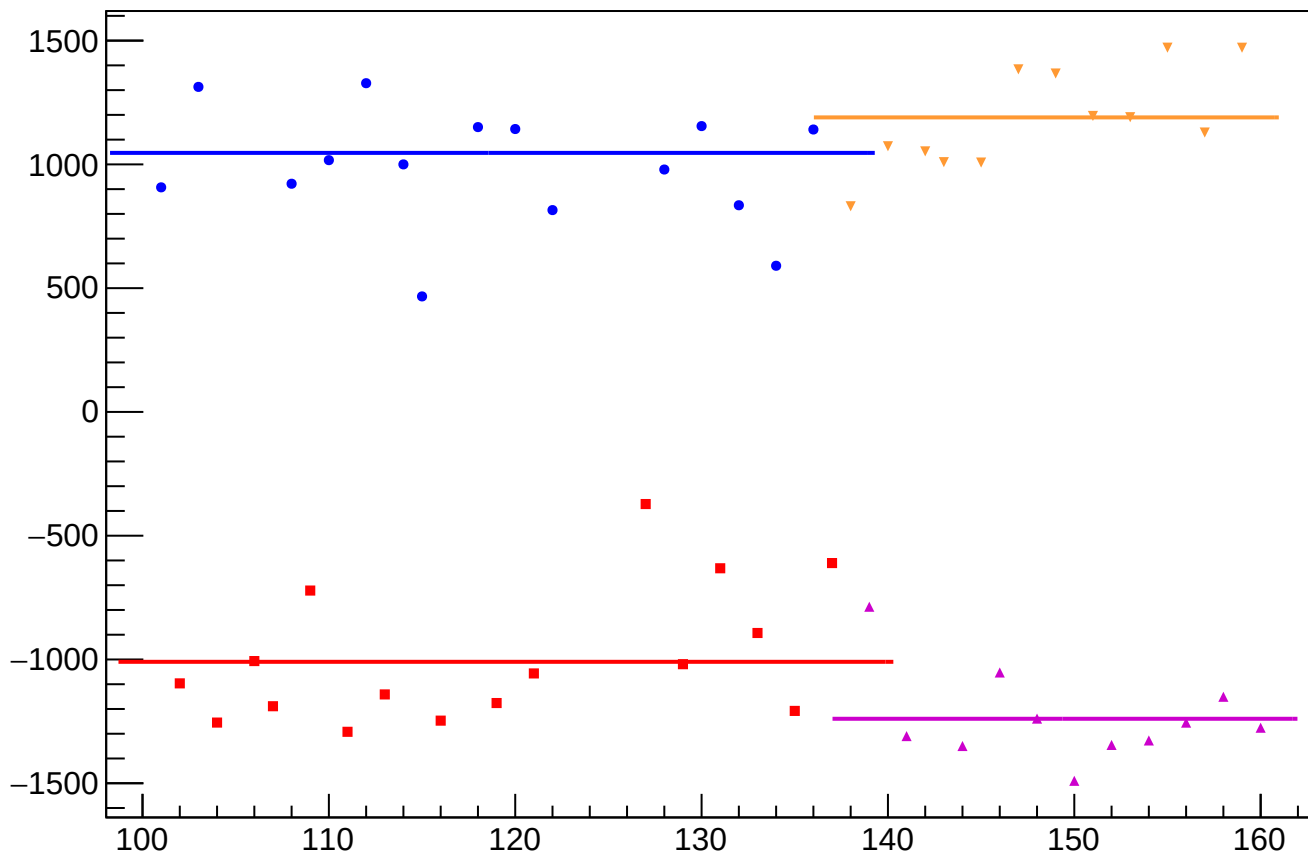
Right In: 3.181 ± 0.000 $\chi^2/\text{NDF}: 5833303227868252617704566394191872.0/14$
 Left Out: 3.865 ± 0.000 $\chi^2/\text{NDF}: 2498021792424542817214204578103296.0/11$
 Right Out: -3.032 ± 0.000 $\chi^2/\text{NDF}: 4937209831371793945496546833334272.0/15$
 Left In: -4.308 ± 0.000 $\chi^2/\text{NDF}: 7073495667694280351803168107003904.0/10$
 All: -0.125 ± 0.000 $\chi^2/\text{NDF}: 6384378527742$

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



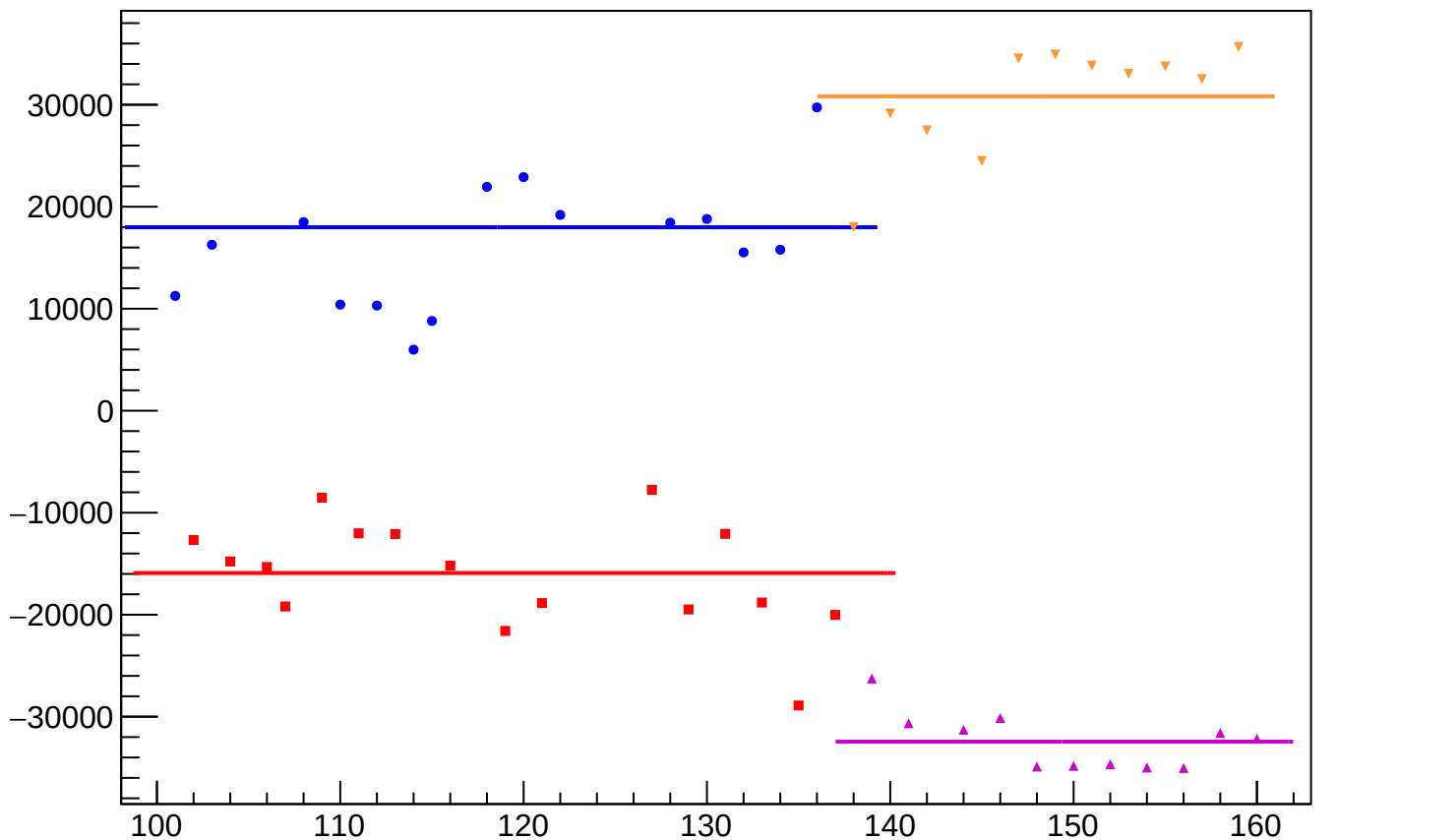
Right In: 1.607 ± 0.000 χ^2/NDF : 460949628640148184181205735833600.0/14
 Left Out: 1.883 ± 0.000 χ^2/NDF : 93981074591902245168022313500672.0/11
 Right Out: -1.383 ± 0.000 χ^2/NDF : 358348897016286200957650337792000.0/15
 Left In: -1.916 ± 0.000 χ^2/NDF : 95276515809016209875699691945984.0/10
 All: 0.024 ± 0.000 χ^2/NDF : 10600135910975

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



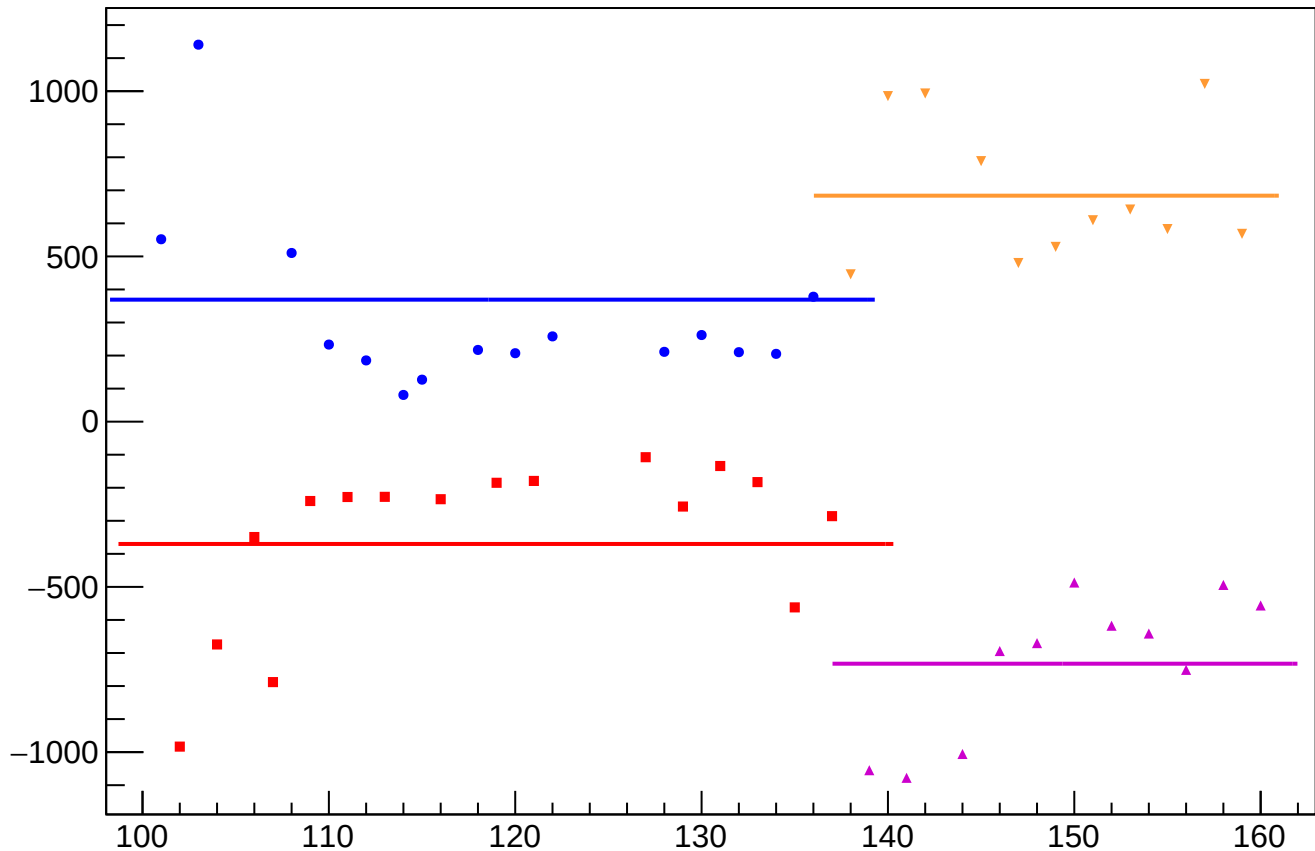
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_usl_coil1_mean vs Slug, Sign Corrected



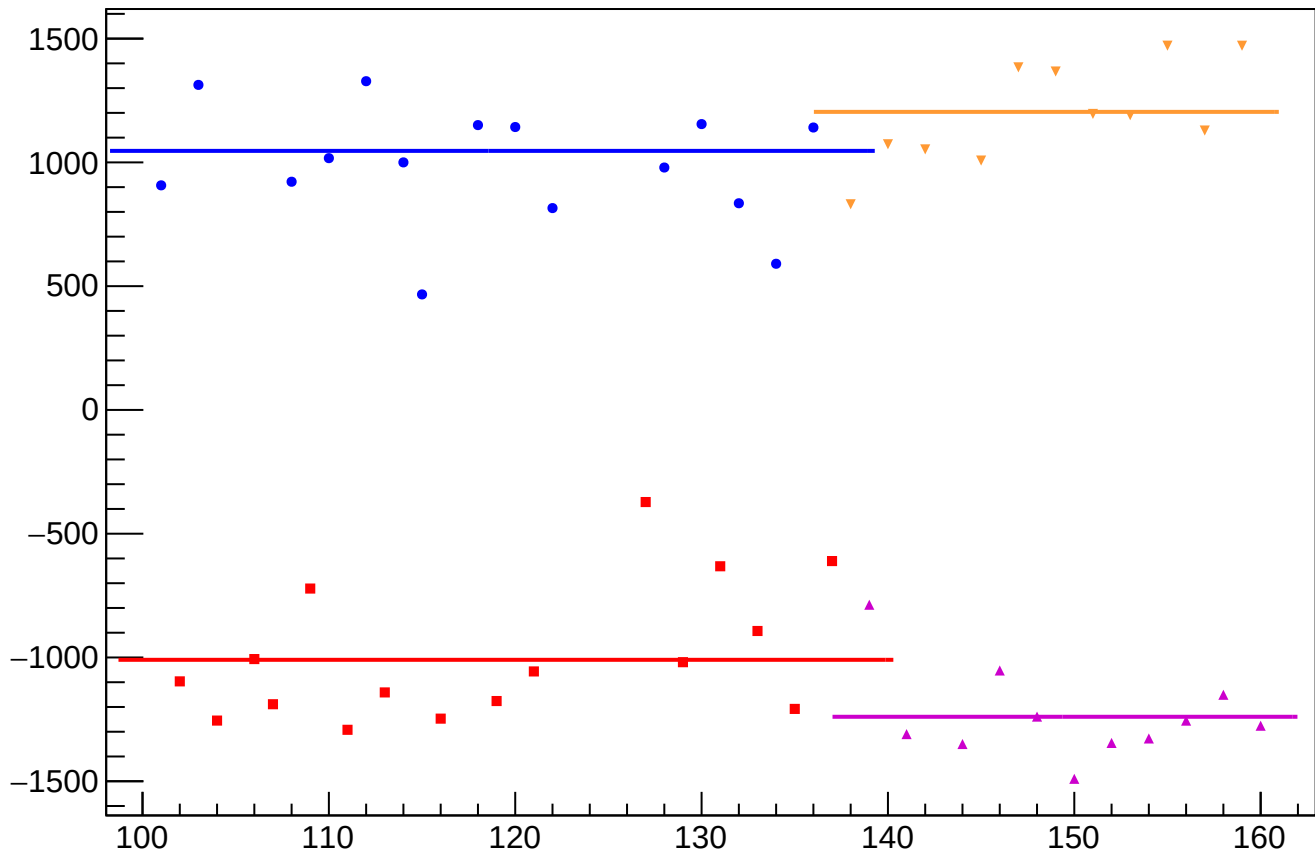
Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 30828.996+/-0.000 χ^2/NDF : 23225941804061934913195205321671126810624.0/10
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32448.675+/-0.000 χ^2/NDF : 6566176061380629796456552080625585094656.0/10
 All: -879.953+/-0.000 χ^2/NDF : 22318740534

dit_usl_coil1_err_mean vs Slug, Sign Corrected



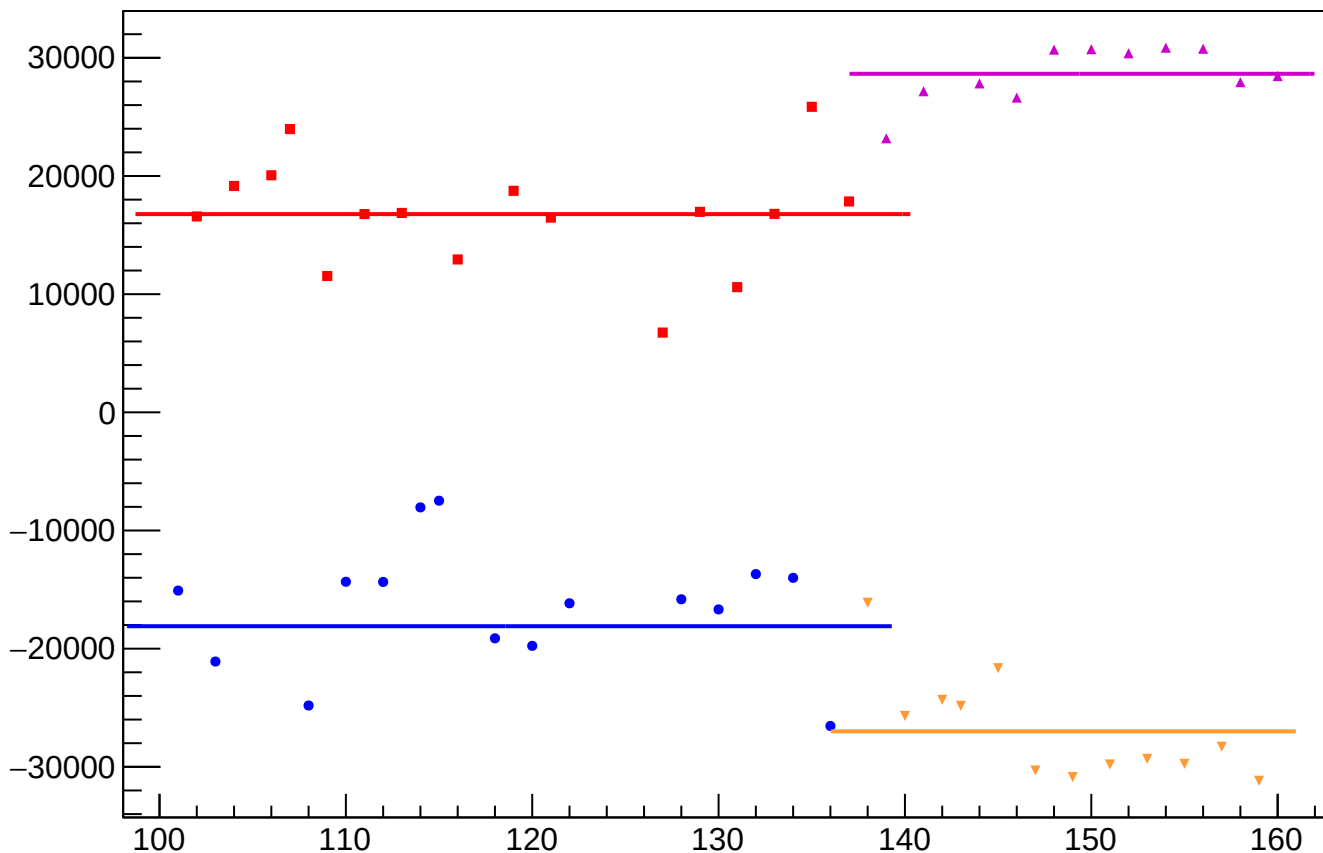
Right In: 369.169+/-0.000 χ^2/NDF : 48053036789565485994195833341370957824.0/14
 Left Out: 683.818+/-0.000 χ^2/NDF : 33889213327859325358647069977975193600.0/10
 Right Out: -370.091+/-0.000 χ^2/NDF : 48214462907052107543037037125316902912.0/15
 Left In: -732.414+/-0.000 χ^2/NDF : 39942105840529115736569596950263889920.0/10
 All: -33.257+/-0.000 χ^2/NDF : 123961521761

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1204.078+/-0.000 χ^2/NDF : 33123375714267646220347434218144399360.0/10
 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: -37.543+/-0.000 χ^2/NDF : 416981067496

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -26996.716+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28650.410+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 17646333216214404420096394486681509560320.0/11

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4838827535981080826725947474344765554688.0/10

Left: 932.640+/-0.000 χ^2/NDF : 1447675891071353

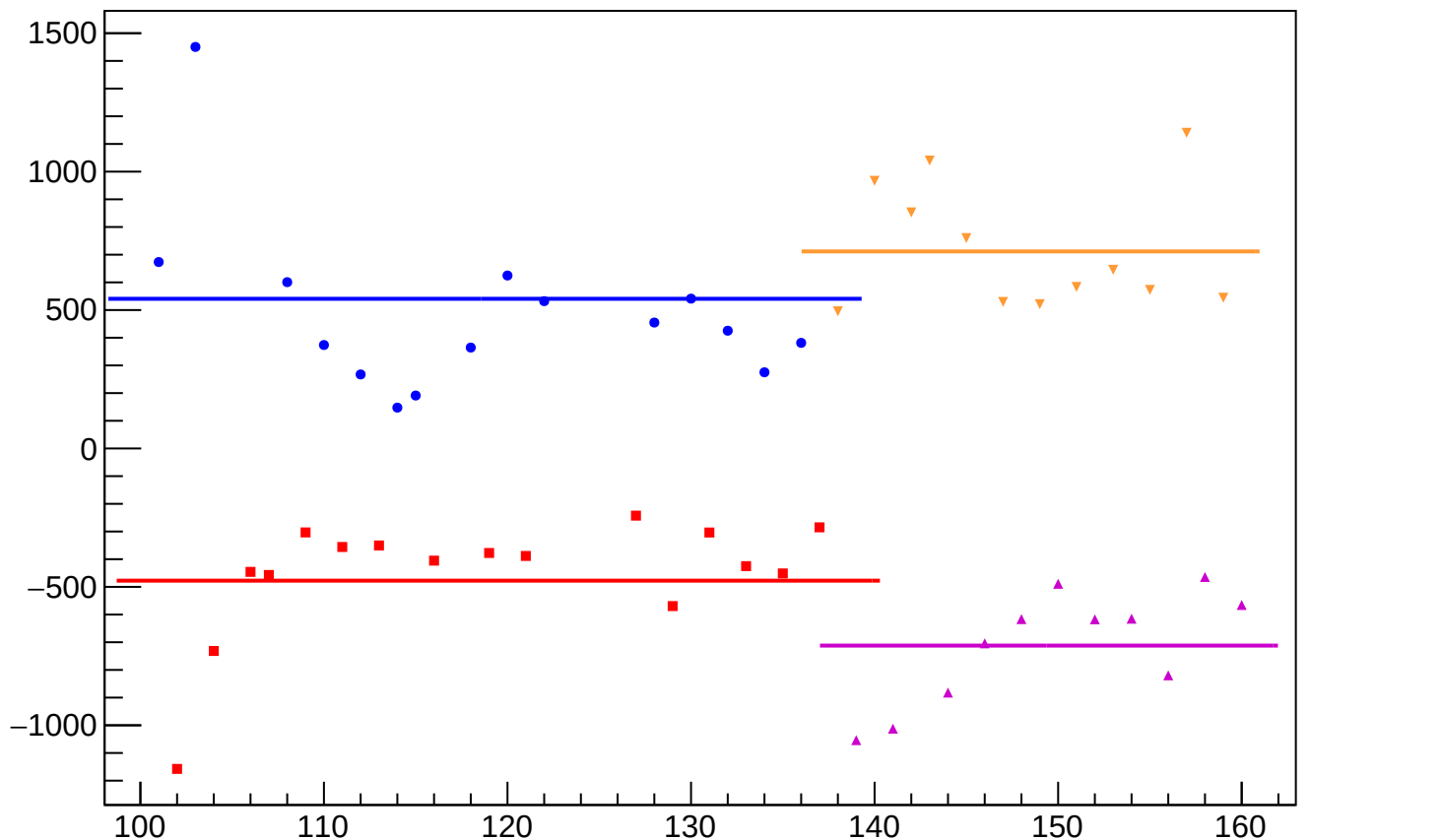
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8565.653+/-0.000 χ^2/NDF : 77165550758849

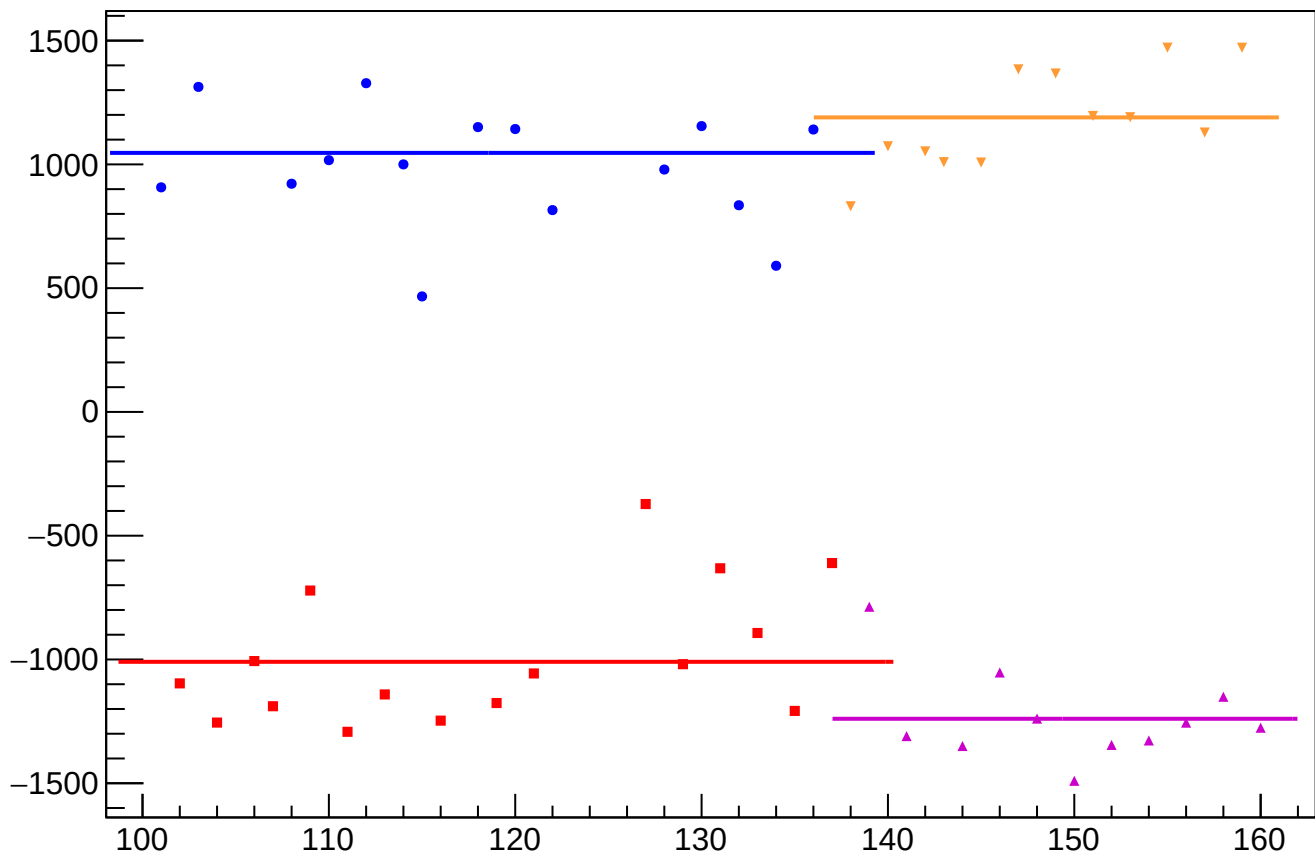
All: 366.700+/-0.000 χ^2/NDF : 187801906256

dit_usr_coil1_err_mean vs Slug, Sign Corrected



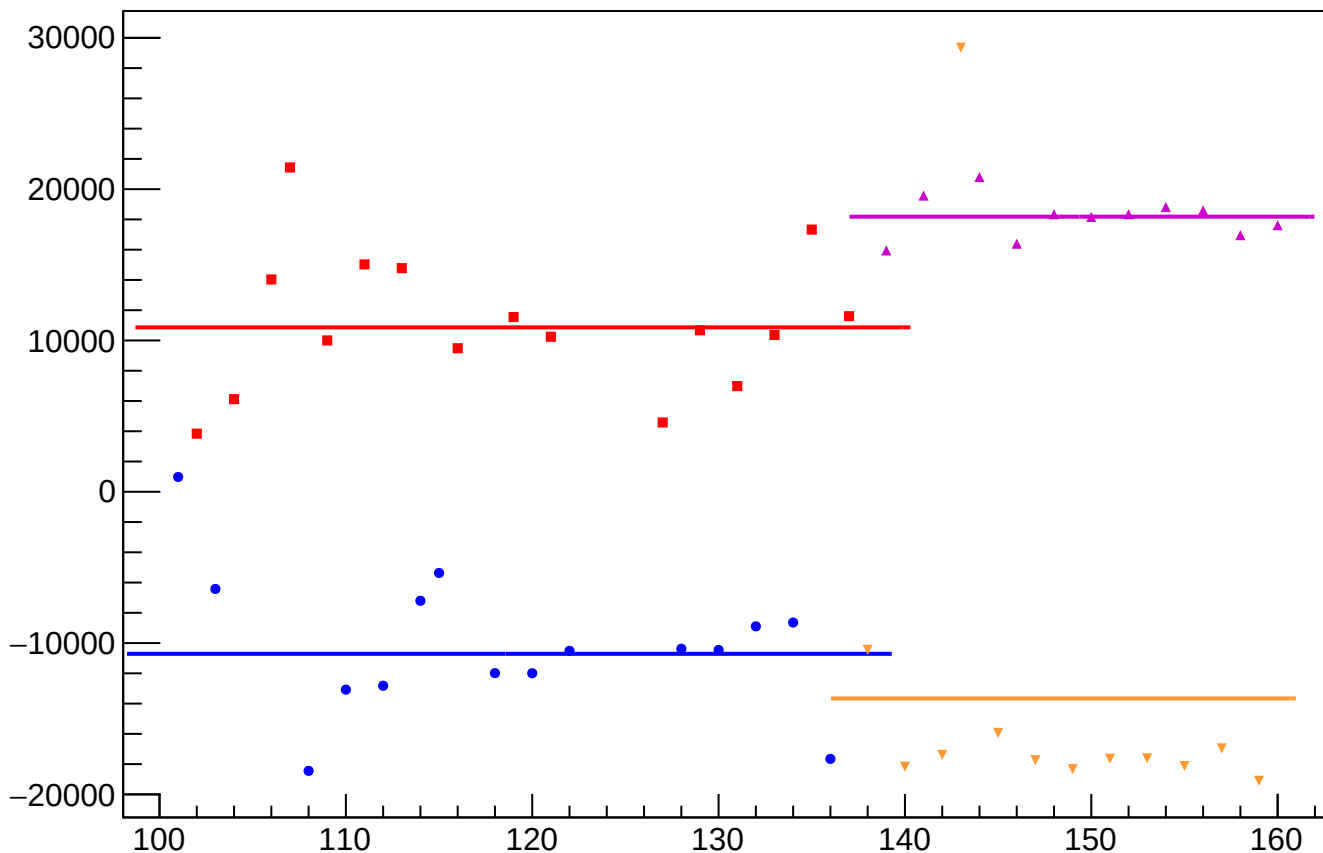
Left: -2.848 ± 0.000 $\chi^2/\text{NDF}: 10101220835843143$
 Right In: 540.663 ± 0.000 $\chi^2/\text{NDF}: 64546819695986774721678785082975846400.0/14$
 Left Out: 711.811 ± 0.000 $\chi^2/\text{NDF}: 4288675510353598988278439443042402304.0/11$
 Right Out: -477.546 ± 0.000 $\chi^2/\text{NDF}: 38798306504296954461537116809760604160.0/15$
 Left In: -712.092 ± 0.000 $\chi^2/\text{NDF}: 34092045920503284936427855101460217856.0/10$
 All: 8.592 ± 0.000 $\chi^2/\text{NDF}: 14550717865096$

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292+/-0.000

χ^2/NDF : 16945226152053511840482618402250170564608.0/14

Left Out: -13660.650+/-0.000

χ^2/NDF : 137996899958511608921126321459037955162112.0/11

Right Out: 10866.264+/-0.000

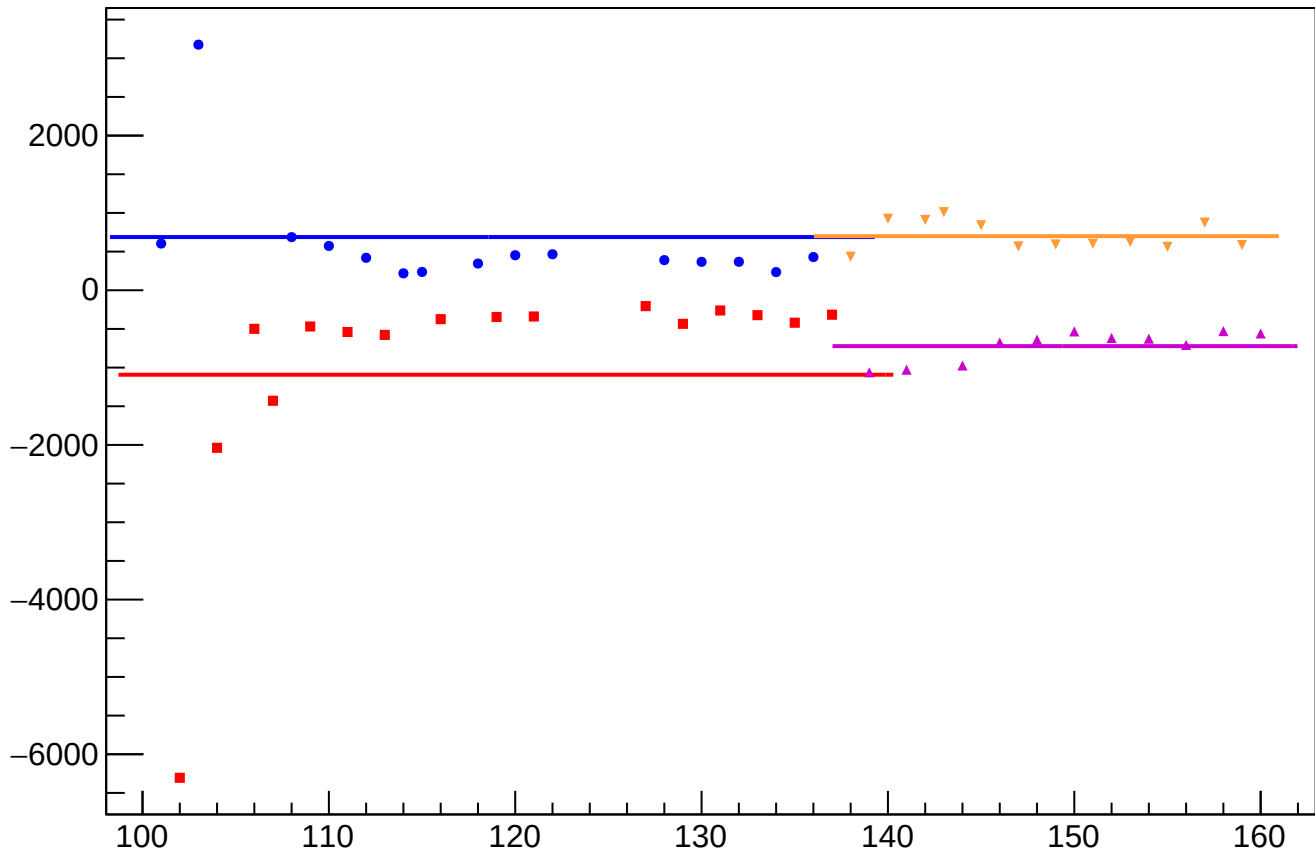
χ^2/NDF : 14234762838858382484525901644131626647552.0/15

Left In: 18181.504+/-0.000

χ^2/NDF : 1643617183572647868818914289162838343680.0/10

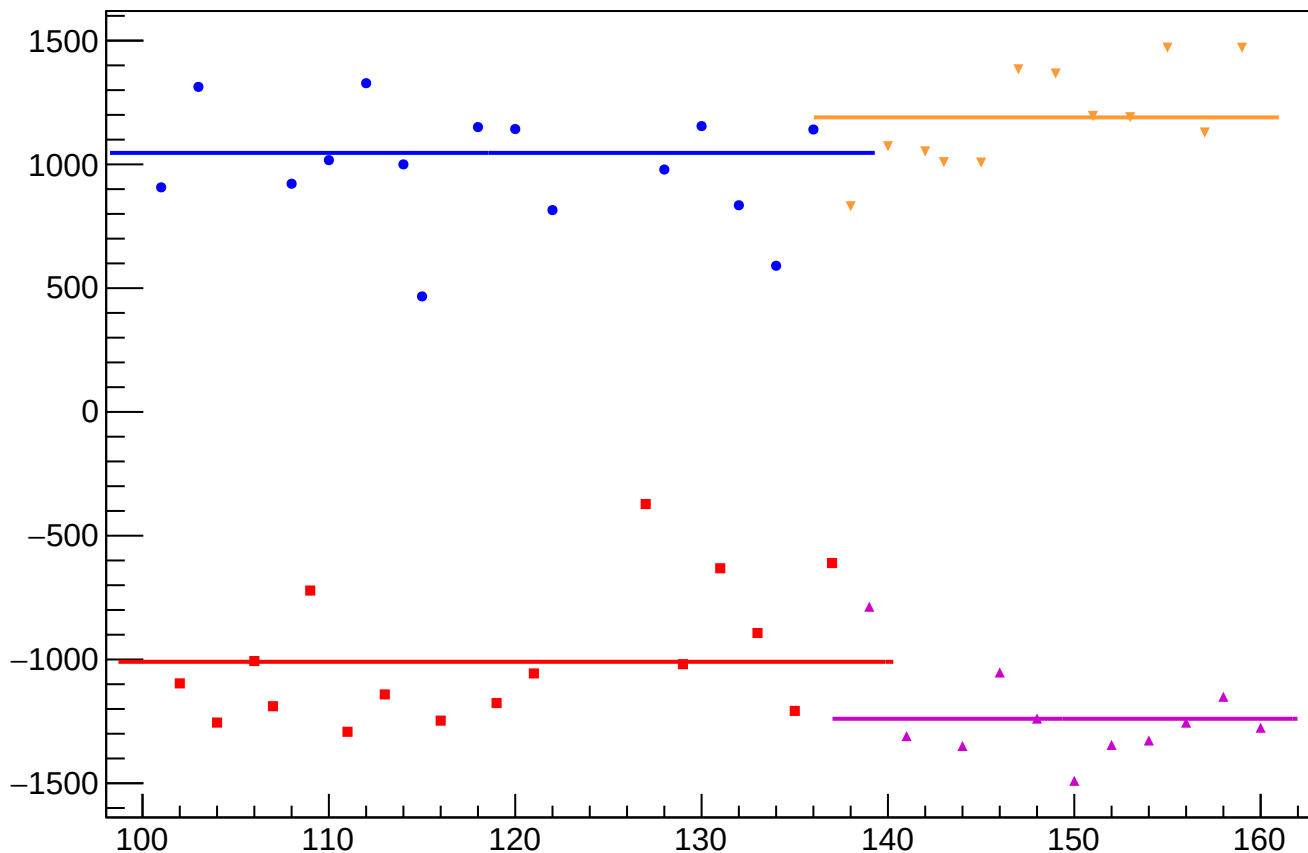
All: 1447.486+/-0.000 χ^2/NDF : 7939778643

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



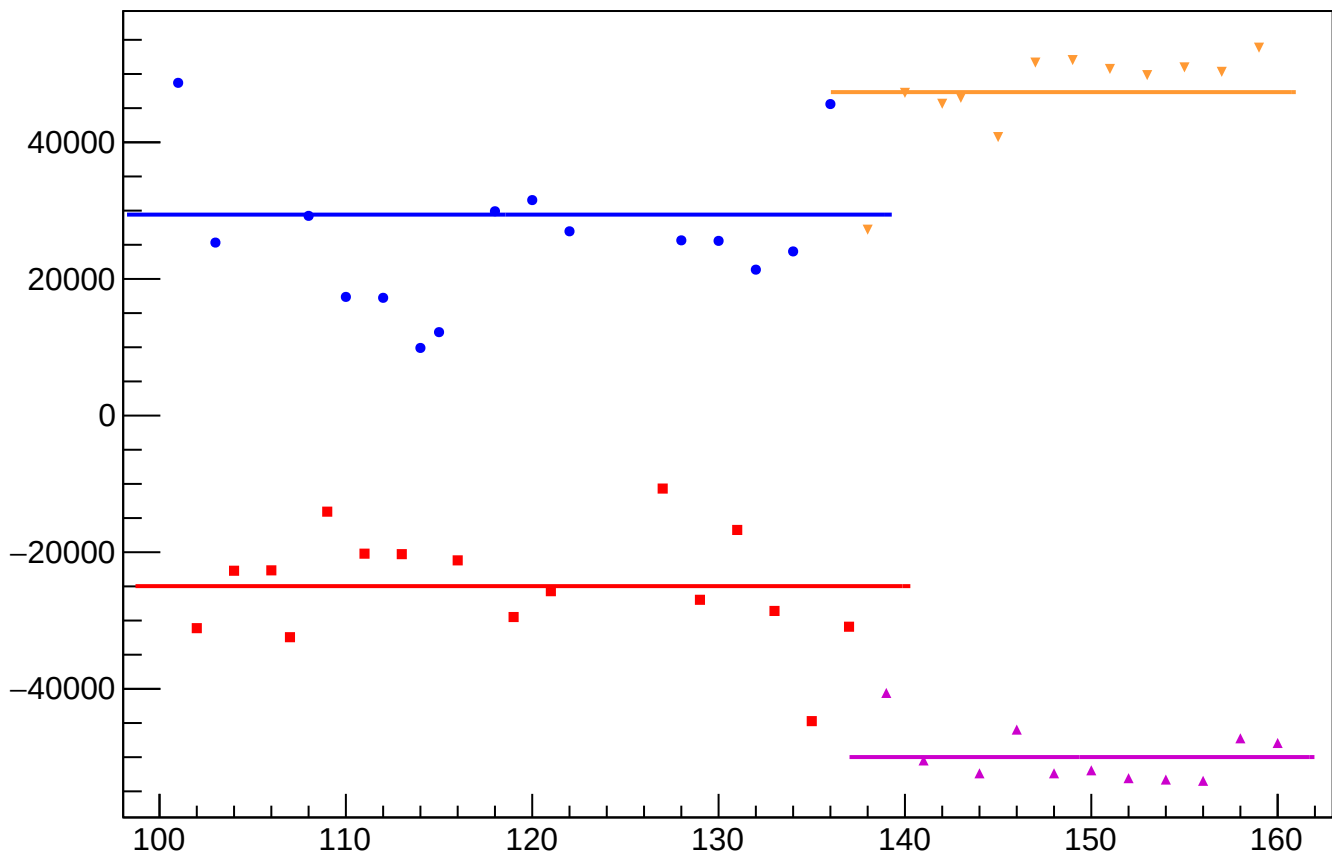
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 699.529 ± 0.000 $\chi^2/\text{NDF}: 28282813130903909256088396264464449536.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.692 ± 0.000 $\chi^2/\text{NDF}: 435863069477$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47346.512+/-0.000

χ^2/NDF : 45161873845138471299889685507142267699200.0/11

Right Out: -24963.010+/-0.000

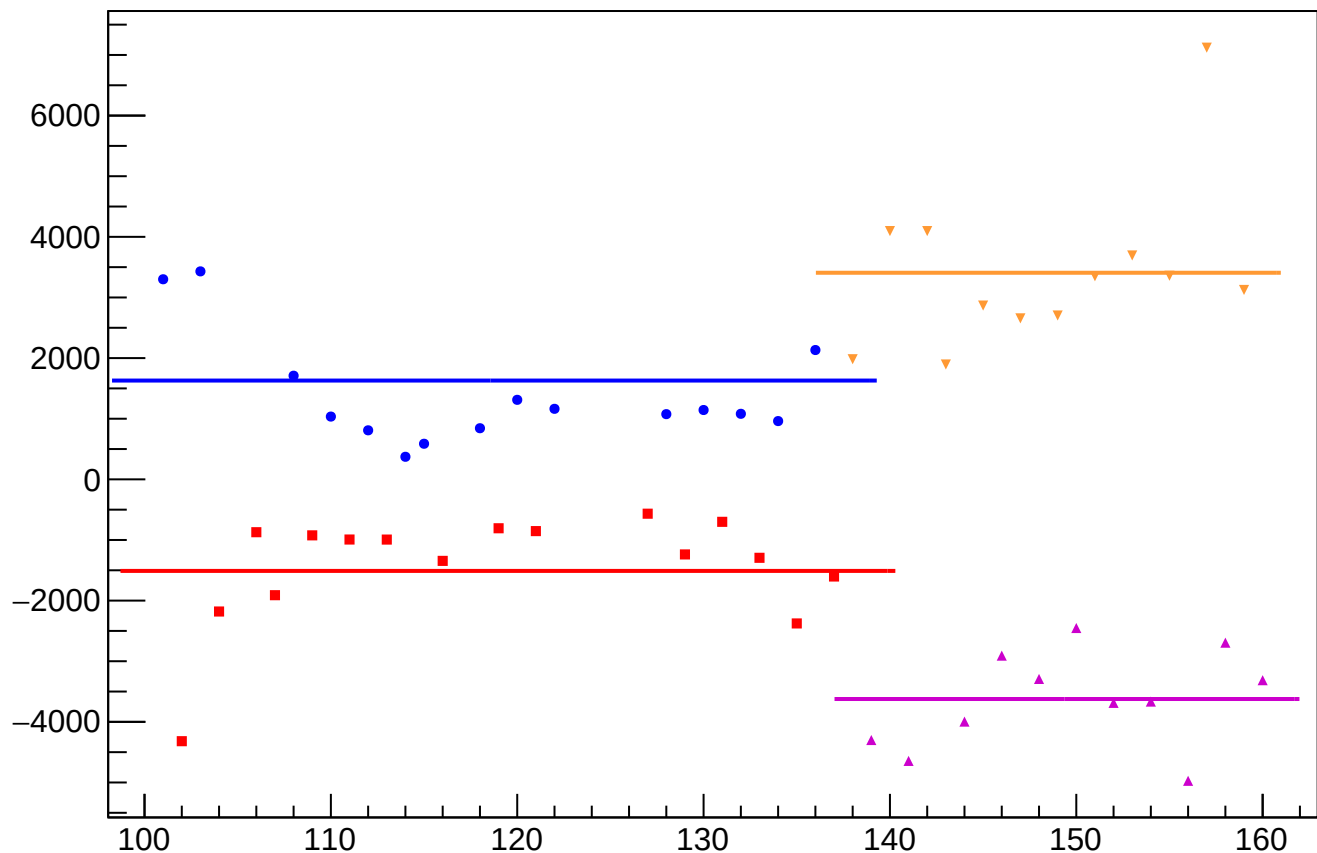
χ^2/NDF : 45631572920122171972835961685494315614208.0/15

Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

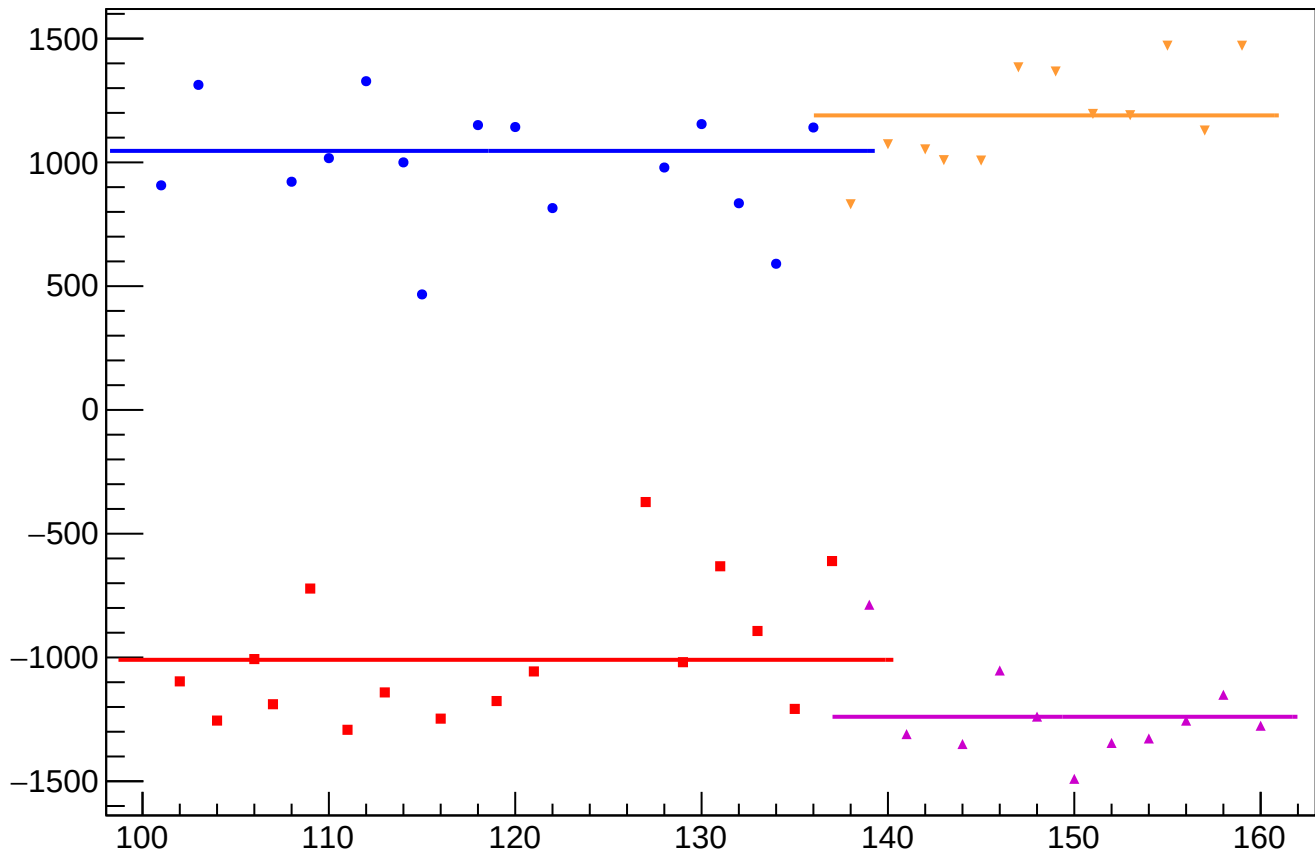
All: -103.303+/-0.000 χ^2/NDF : 55172213672

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



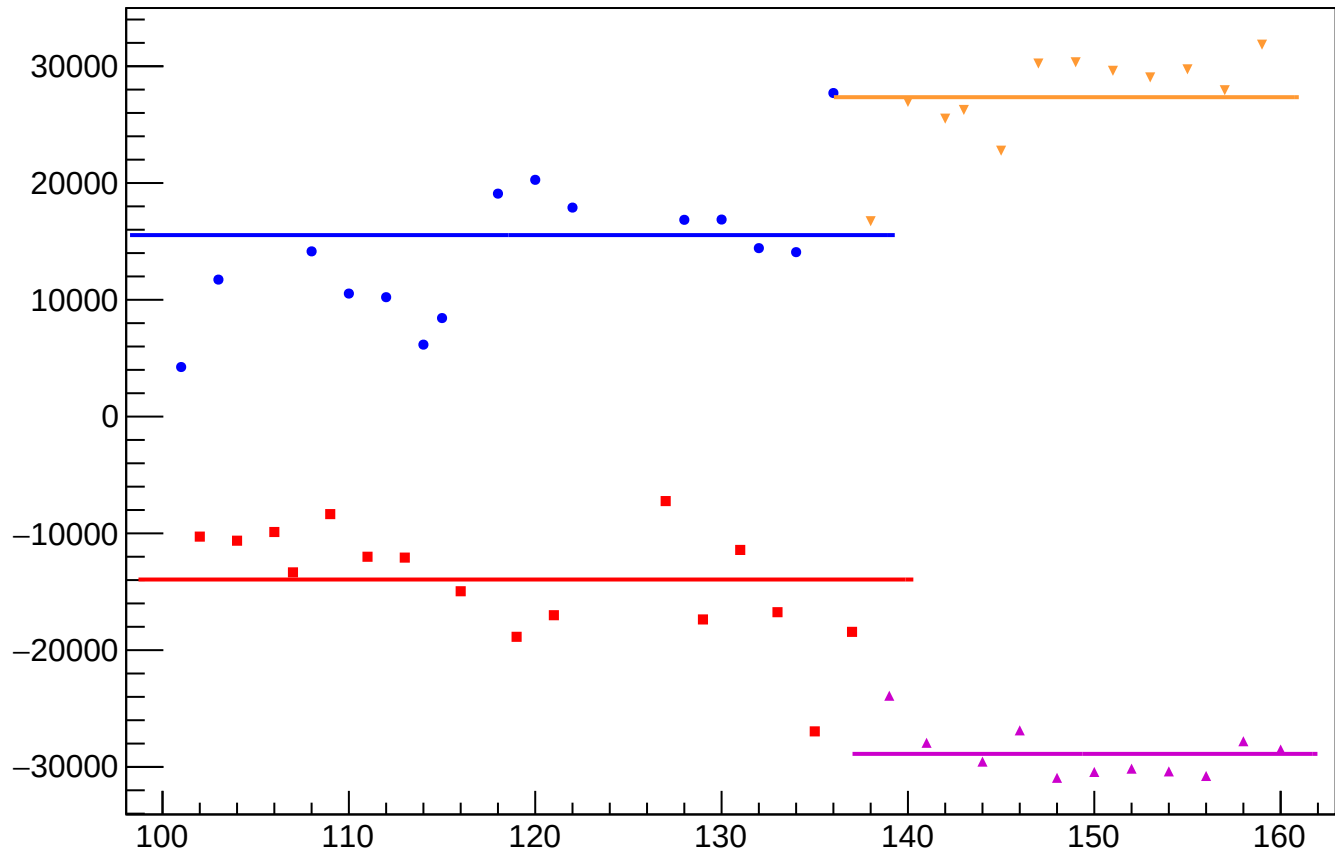
Right In: 1629.542 $\pm$ 0.000 χ^2 /NDF: 551738555355028902194697896437152219136.0/14
 Left Out: 3407.741 $\pm$ 0.000 χ^2 /NDF: 1584870057929033939797166763050451075072.0/11
 Right Out: -1510.293 $\pm$ 0.000 χ^2 /NDF: 688231904046816211321774524619745656832.0/15
 Left In: -3623.095 $\pm$ 0.000 χ^2 /NDF: 537714450371269509719141411292840984576.0/10
 All: -54.683 $\pm$ 0.000 χ^2 /NDF: 293759152191

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 27349.847+/-0.000

χ^2/NDF : 14883456917386062267776172319393710080000.0/11

Right Out: -13951.799+/-0.000

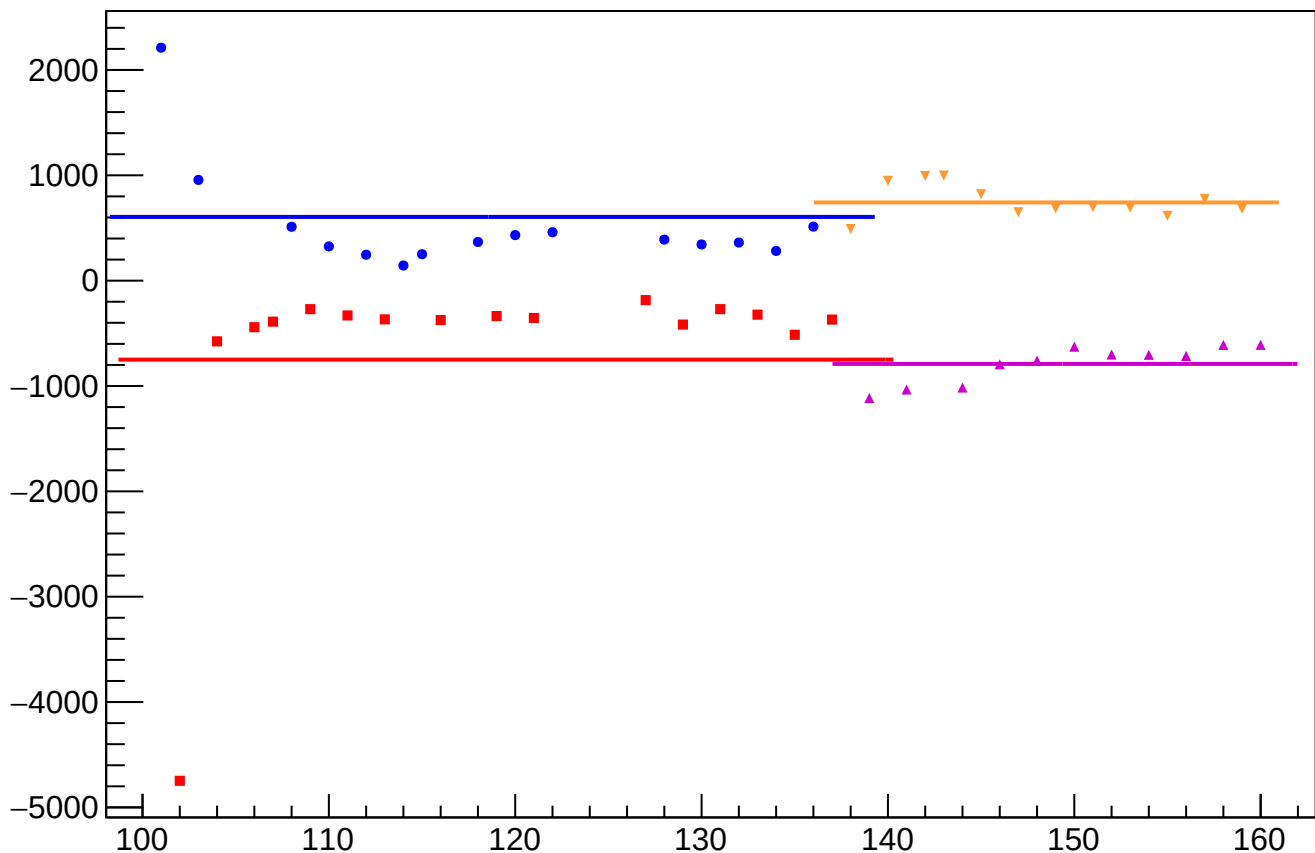
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

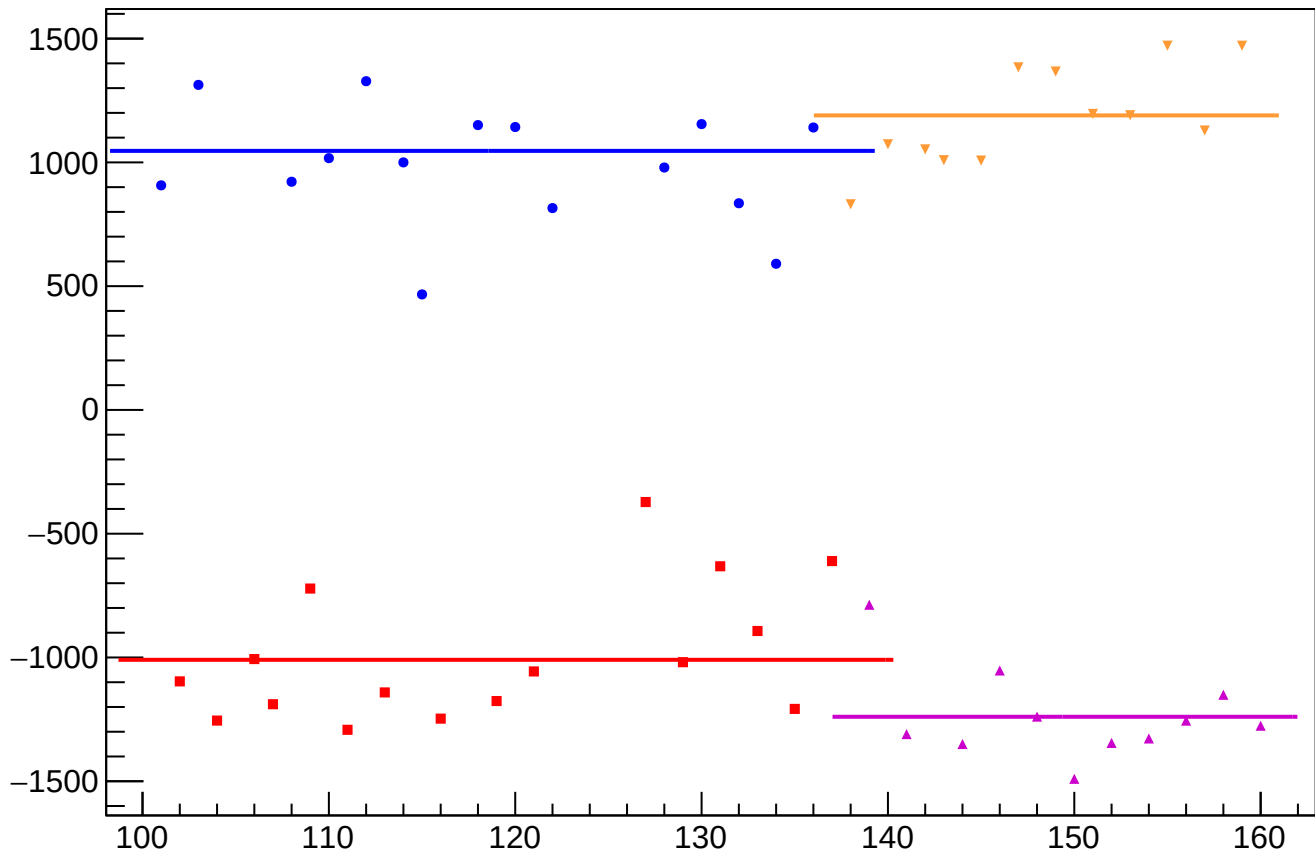
All: -261.903+/-0.000 χ^2/NDF : 18060333909

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



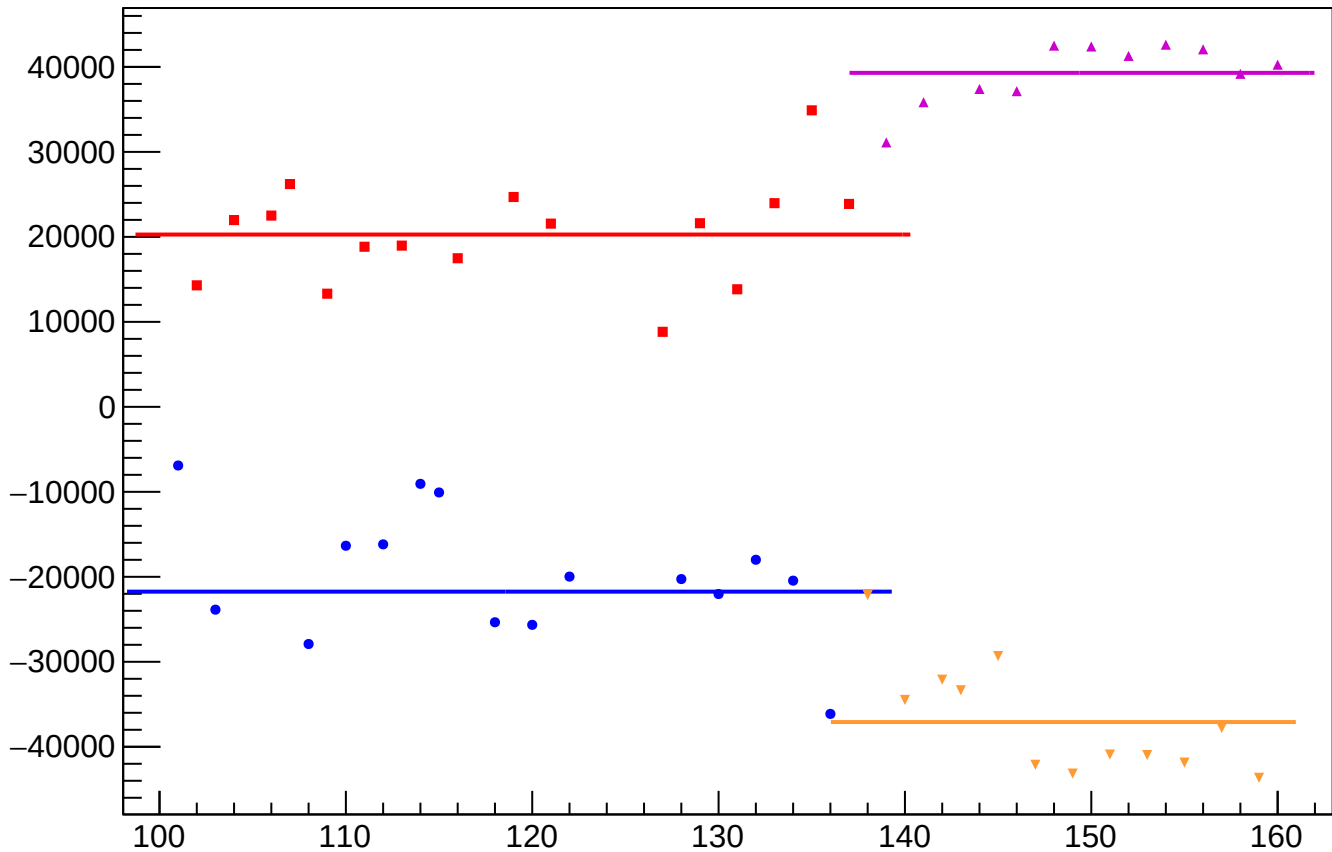
Right In: 605.034+/-0.000 χ^2/NDF : 189401522791607614448600157723362852864.0/14
 Left Out: 742.547+/-0.000 χ^2/NDF : 19133072840660474437485049781053030400.0/11
 Right Out: -749.582+/-0.000 χ^2/NDF : 1021358768377495935693748779804344188928.0/15
 Left In: -790.283+/-0.000 χ^2/NDF : 27375995163011560101349166949437800448.0/10
 All: -49.607+/-0.000 χ^2/NDF : 294454152400

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -37089.024+/-0.000

Right Out: 20275.415+/-0.000

Left In: 39301.203+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 37696615174692315635920208068597564571648.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10890557195828480655850873156116452212736.0/10

Left: 1251.318+/-0.000 χ^2/NDF : 273432195857747

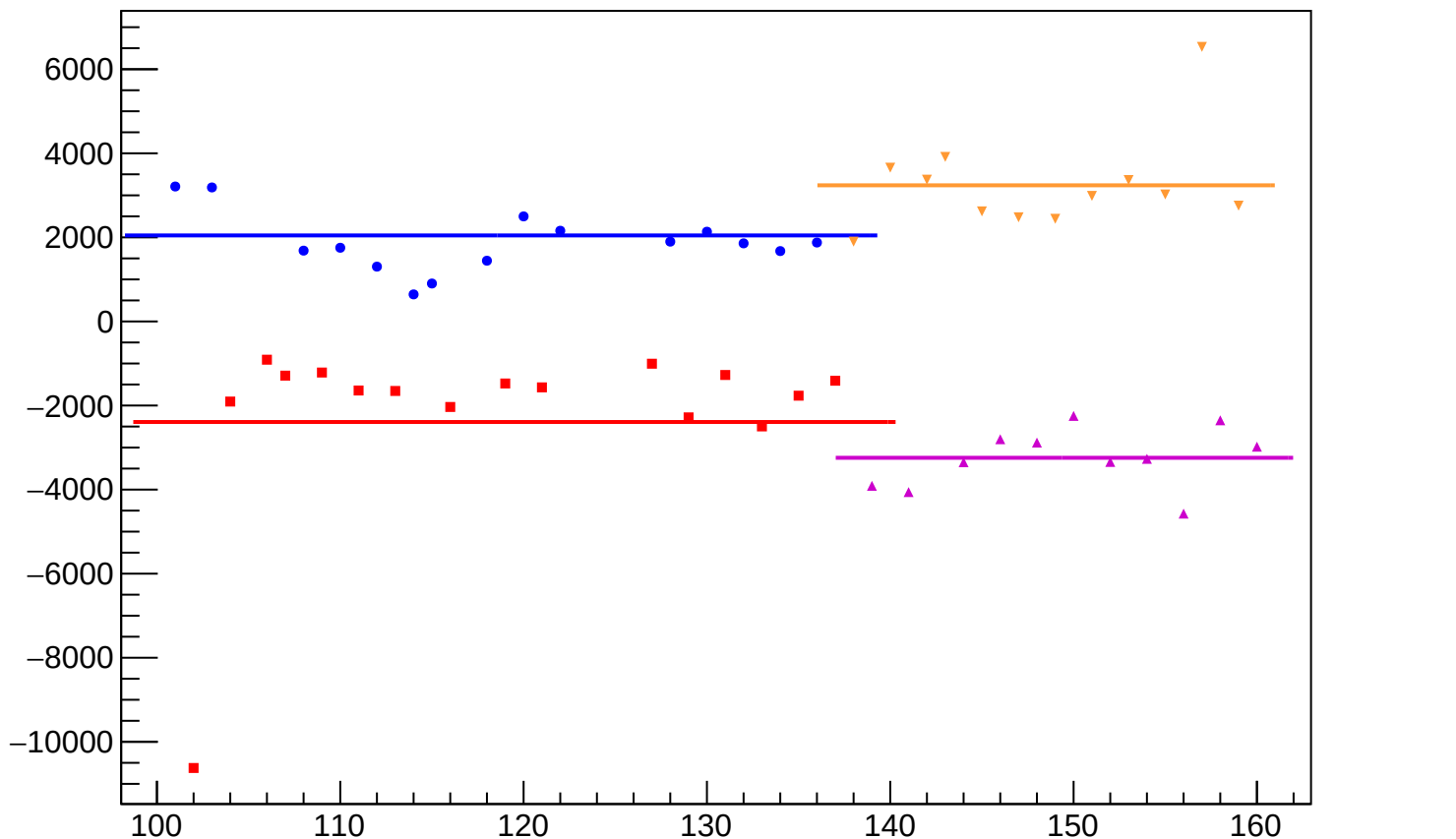
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 14114.985+/-0.000 χ^2/NDF : 147263048816292

Out: -12933.670+/-0.000 χ^2/NDF : 1334281188451

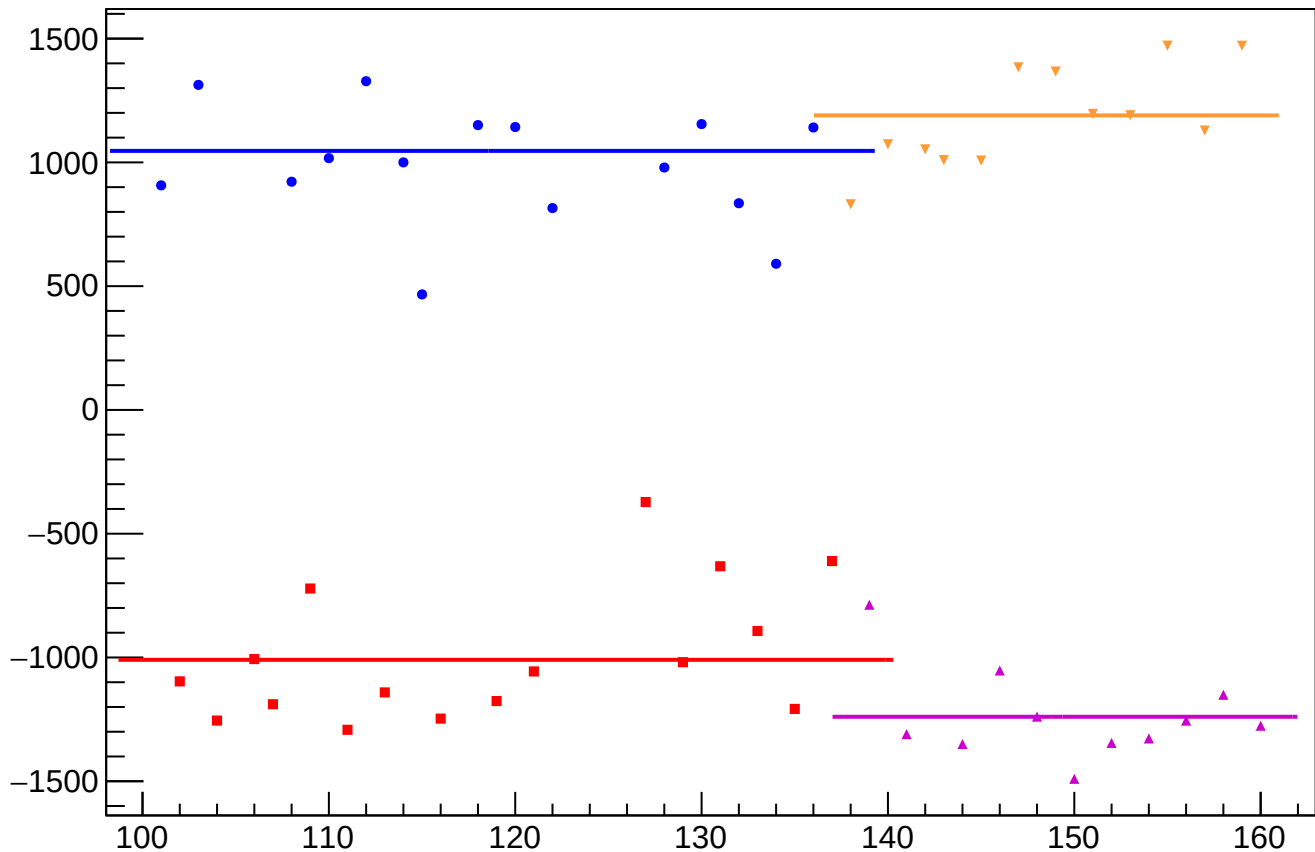
All: 543.534+/-0.000 χ^2/NDF : 338434343792

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



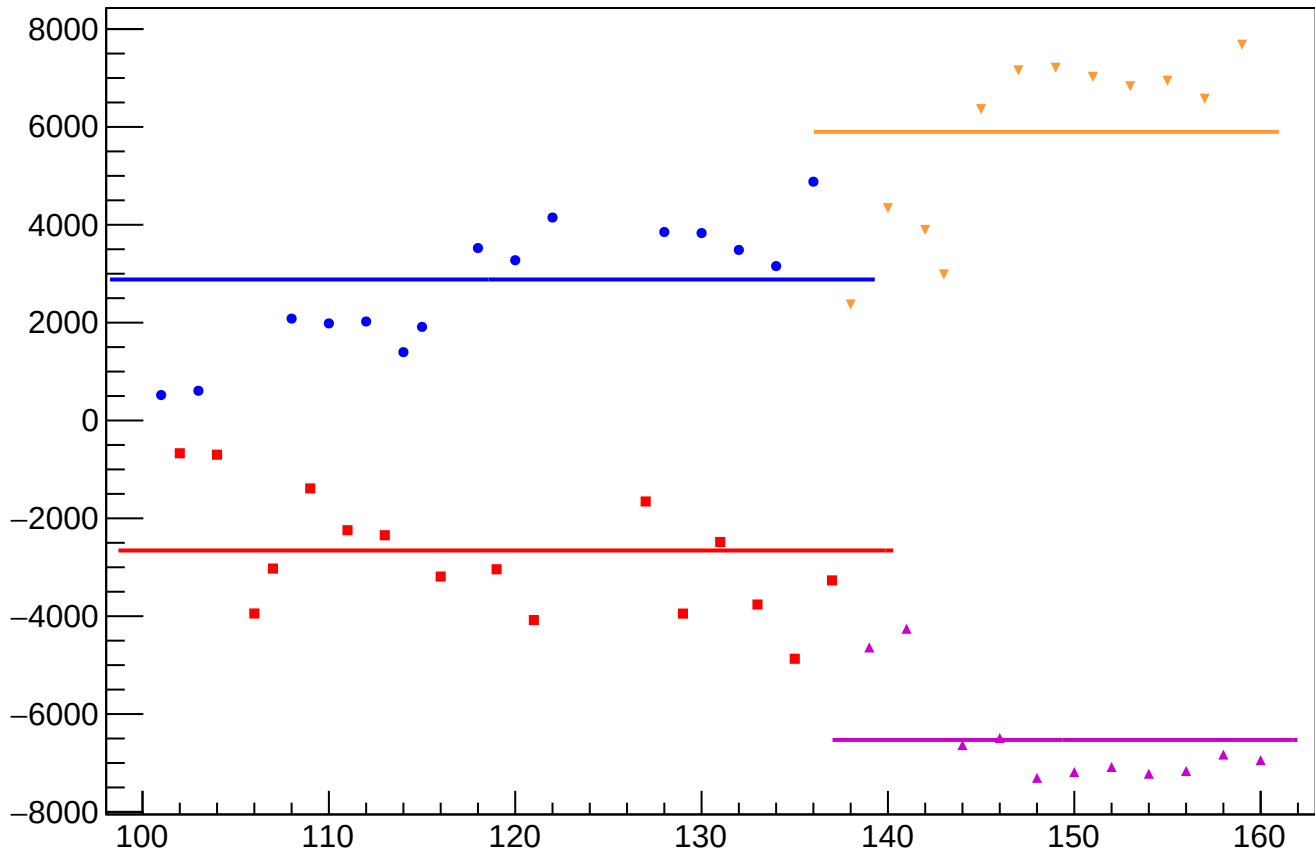
Right In: 2046.354+/-0.000 χ^2/NDF : 266555515927348892036833058355226345472.0/14
 Left Out: 3238.684+/-0.000 χ^2/NDF : 1200935390034847061403610621854649155584.0/11
 Right Out: -2391.939+/-0.000 χ^2/NDF : 4415294964789778815259357544579499819008.0/15
 Left In: -3243.479+/-0.000 χ^2/NDF : 422752345809564414875941115453230809088.0/10
 All: -93.266+/-0.000 χ^2/NDF : 321510662885

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



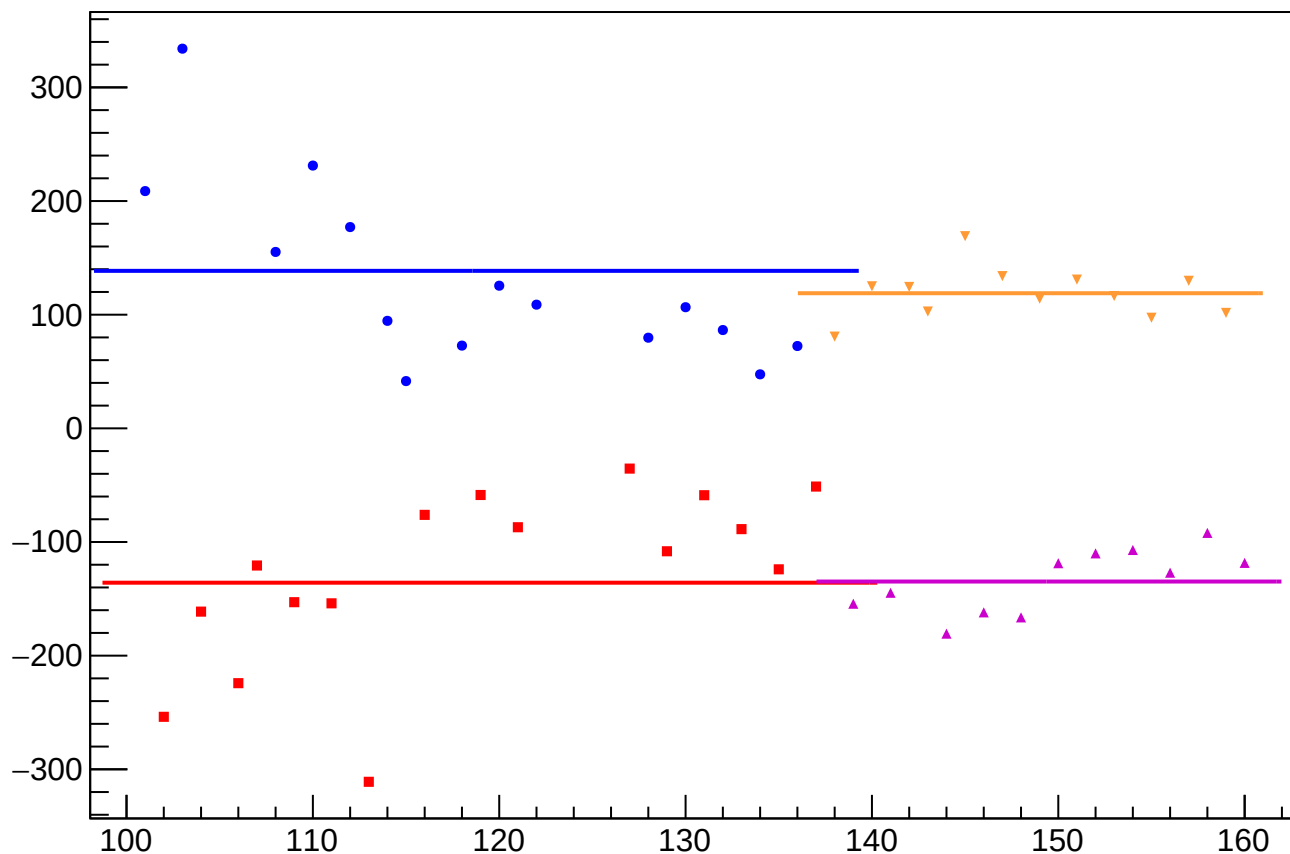
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam1_coil1_mean vs Slug, Sign Corrected



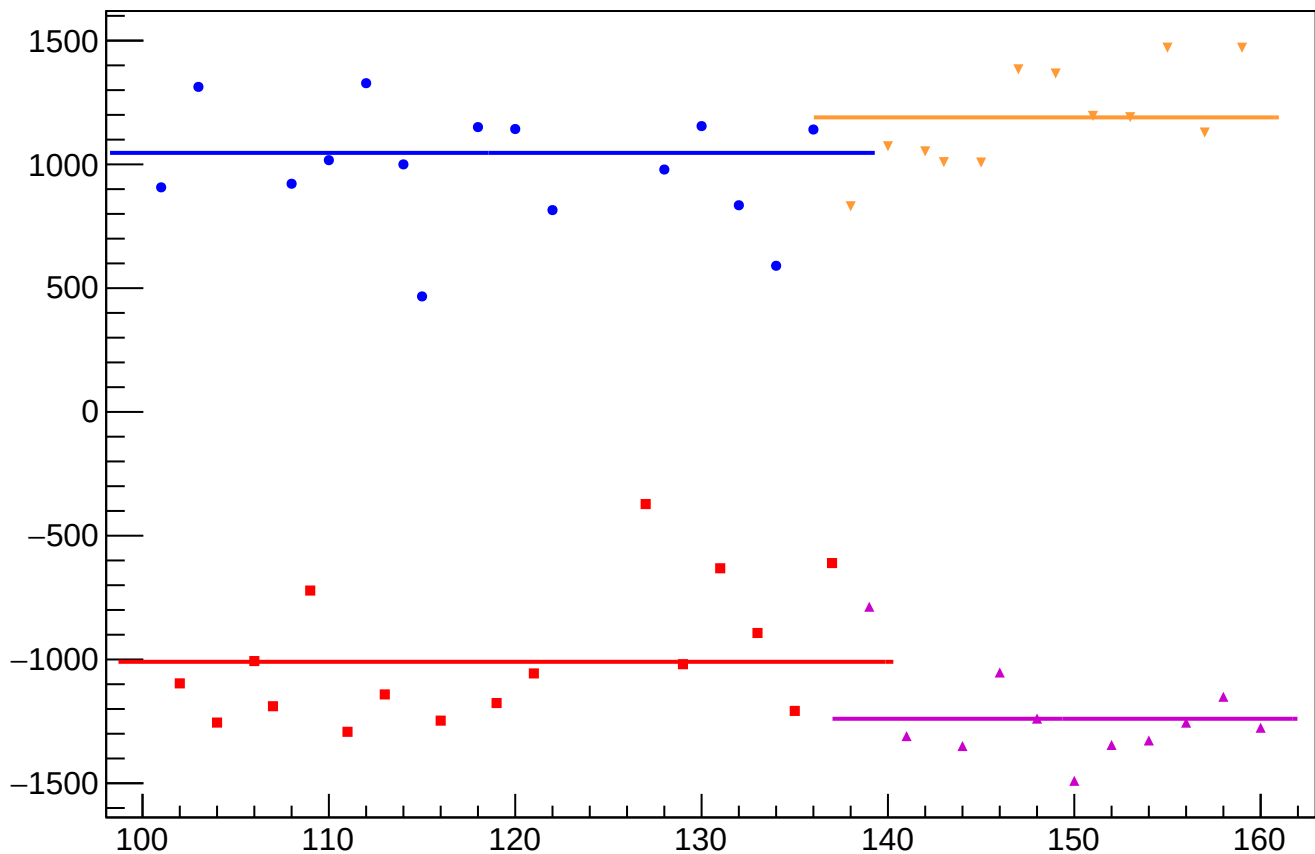
Right In: 2881.935 $\pm$ 0.000 χ^2 /NDF: 1320319391496525533692082365878834823168.0/14
 Left Out: 5900.145 $\pm$ 0.000 χ^2 /NDF: 2757689906494435175416115853599080185856.0/11
 Right Out: -2656.918 $\pm$ 0.000 χ^2 /NDF: 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681 $\pm$ 0.000 χ^2 /NDF: 940619832290547661204641528694924378112.0/10
 All: -165.935 $\pm$ 0.000 χ^2 /NDF: 87414816042

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



Left: -8.429 ± 0.000 $\chi^2/\text{NDF}: 30748748835801659$
 Right In: 138.577 ± 0.000 $\chi^2/\text{NDF}: 4242369889979811373883774021335515136.0/14$
 Right: -0.492 ± 0.000 $\chi^2/\text{NDF}: 3296375379571767$
 Left Out: 118.892 ± 0.000 $\chi^2/\text{NDF}: 441331340602238377798748666087866368.0/11$
 In: -21.999 ± 0.000 $\chi^2/\text{NDF}: 33420435655866245$
 Right Out: -135.809 ± 0.000 $\chi^2/\text{NDF}: 3956401741862524263243160868173643776.0/15$
 Out: 11.641 ± 0.000 $\chi^2/\text{NDF}: 29447244036267580$
 Left In: -134.785 ± 0.000 $\chi^2/\text{NDF}: 689808602632315539029860685392642048.0/10$
 All: -5.121 ± 0.000 $\chi^2/\text{NDF}: 6376084521741$

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000

χ^2/NDF : 24866624766048512267031234680614551552.0/14

Left Out: 1189.821+/-0.000

χ^2/NDF : 35487872642876563282140008444600516608.0/11

Right Out: -1009.445+/-0.000

χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1239.553+/-0.000

χ^2/NDF : 29116180330425505242594030704390045696.0/10

Left: -29.485+/-0.000 χ^2/NDF : 2780895357711007

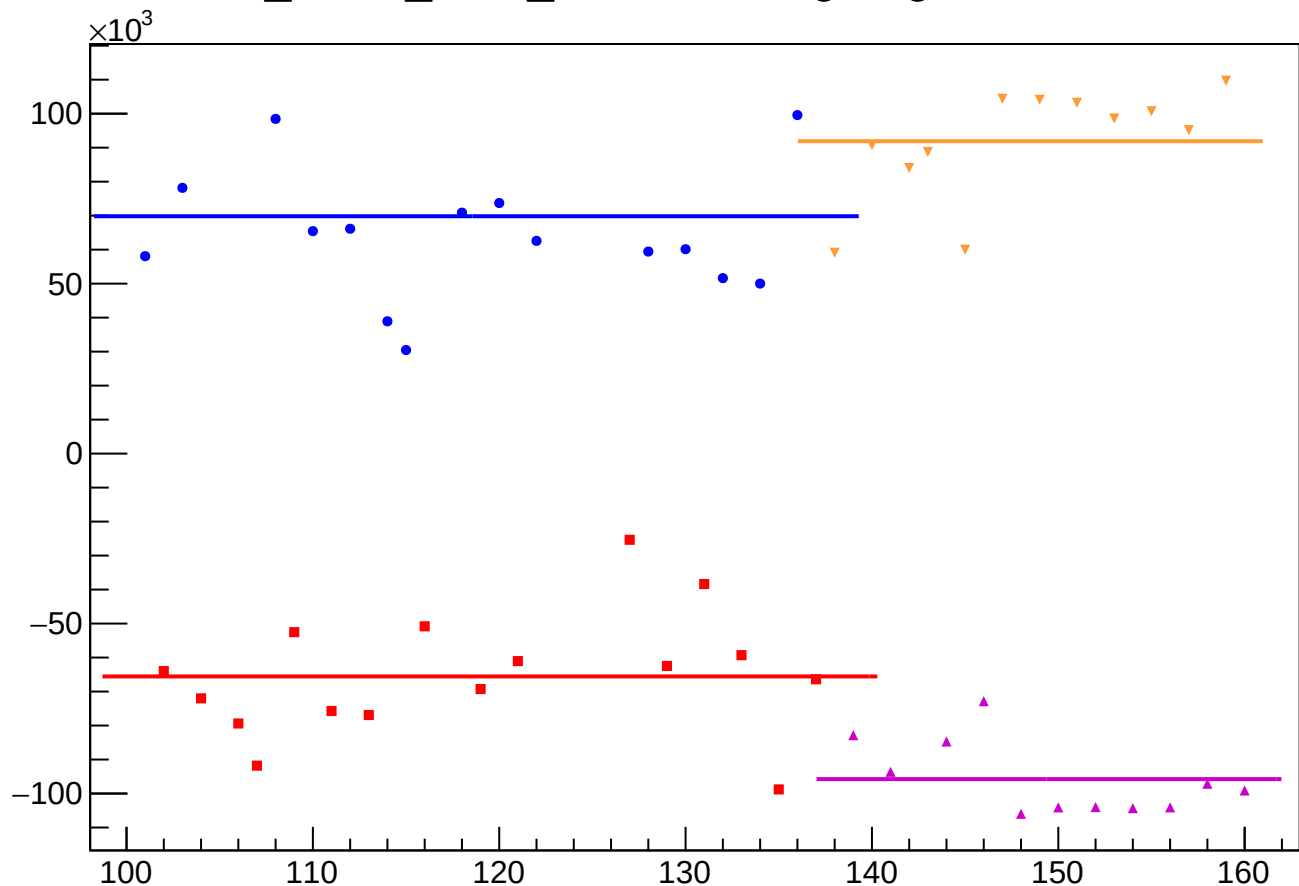
Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576

In: -296.360+/-0.000 χ^2/NDF : 2046292009130527

Out: 263.741+/-0.000 χ^2/NDF : 1947741480778667

All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797 $\pm$ 0.000

χ^2 /NDF: 187803282116493131197684060541288926150656.0/14

Left Out: 91909.028 $\pm$ 0.000

χ^2 /NDF: 240792875976910962309751824422513810604032.0/11

Right Out: -65555.147 $\pm$ 0.000

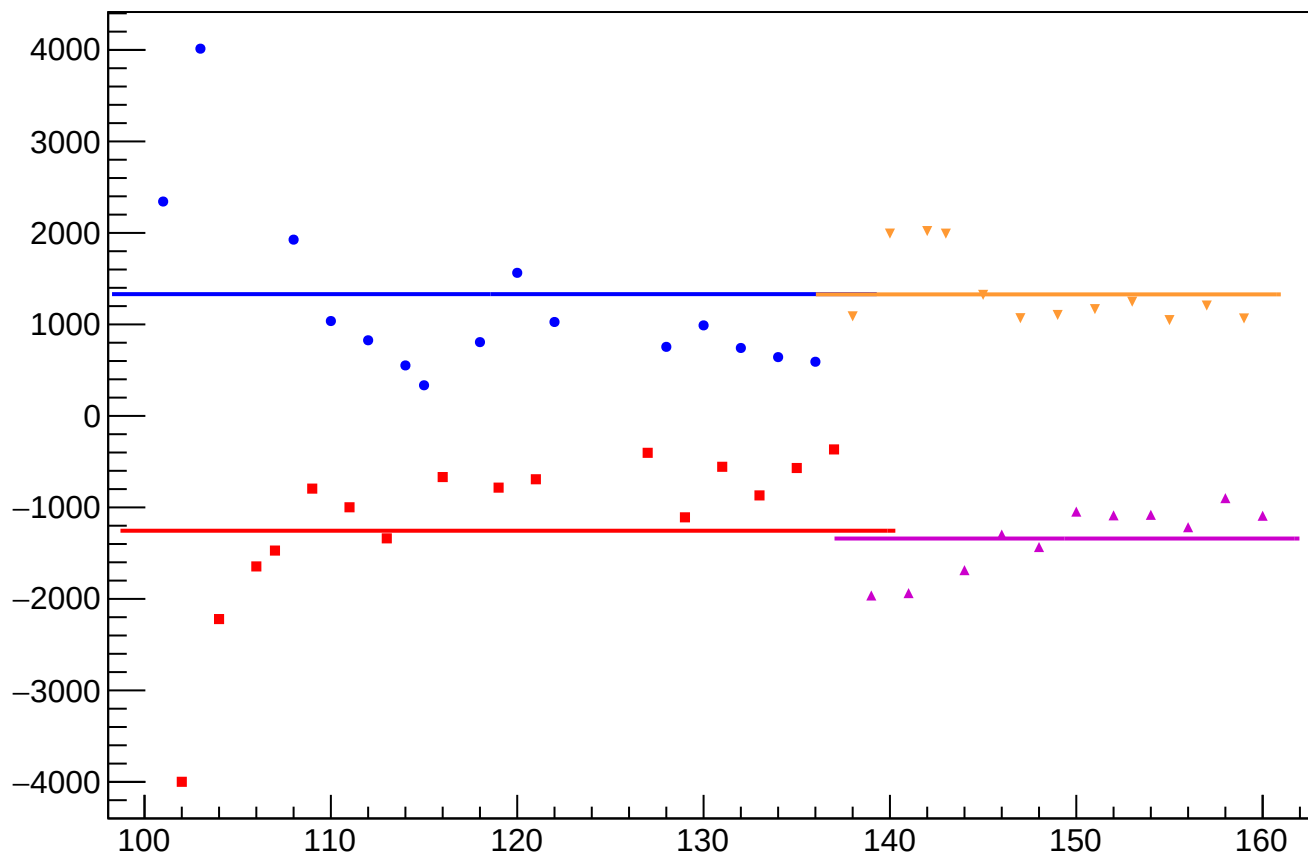
χ^2 /NDF: 212001467811386750910625783195999741673472.0/15

Left In: -95749.411 $\pm$ 0.000

χ^2 /NDF: 102376761881530271427340284738693826084864.0/10

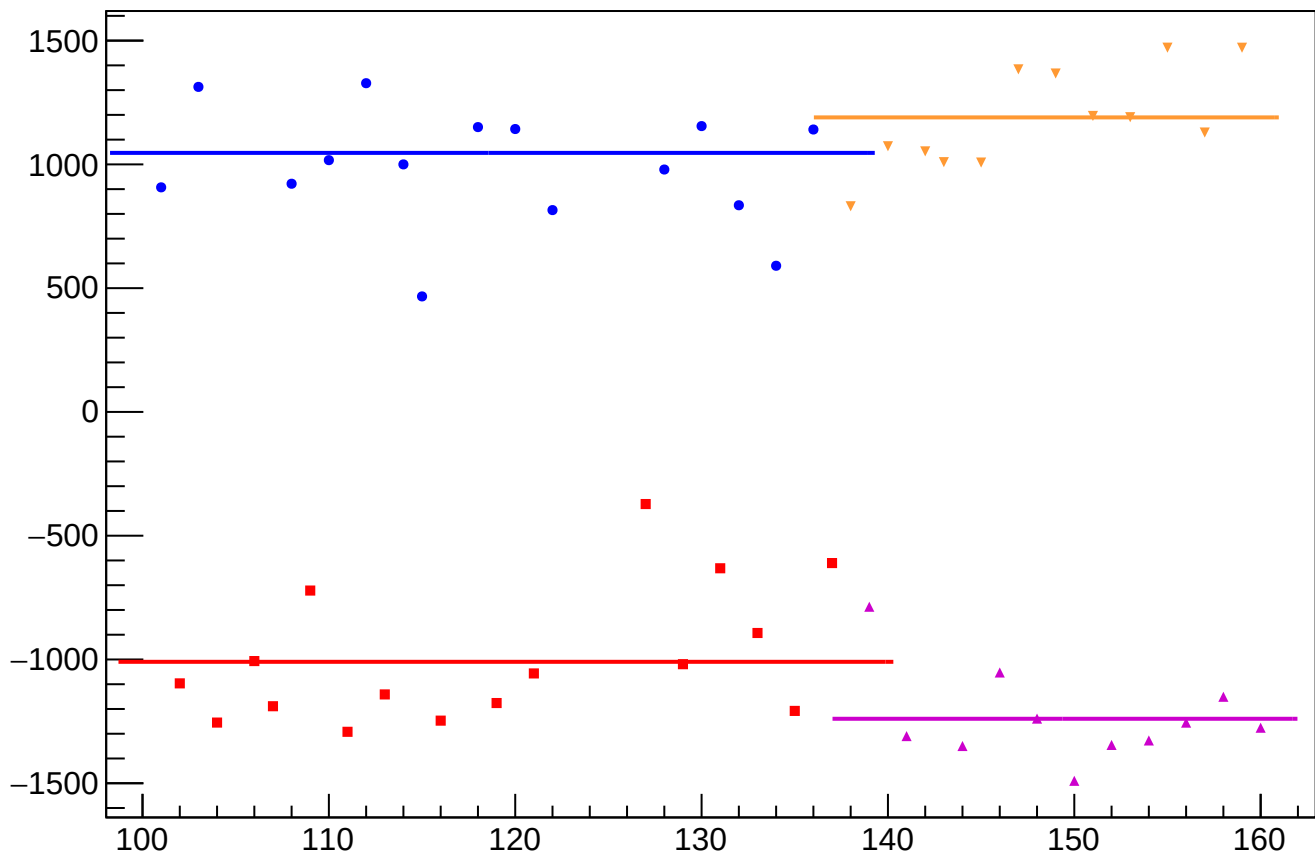
All: -823.225 $\pm$ 0.000 χ^2 /NDF: 22989056744

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



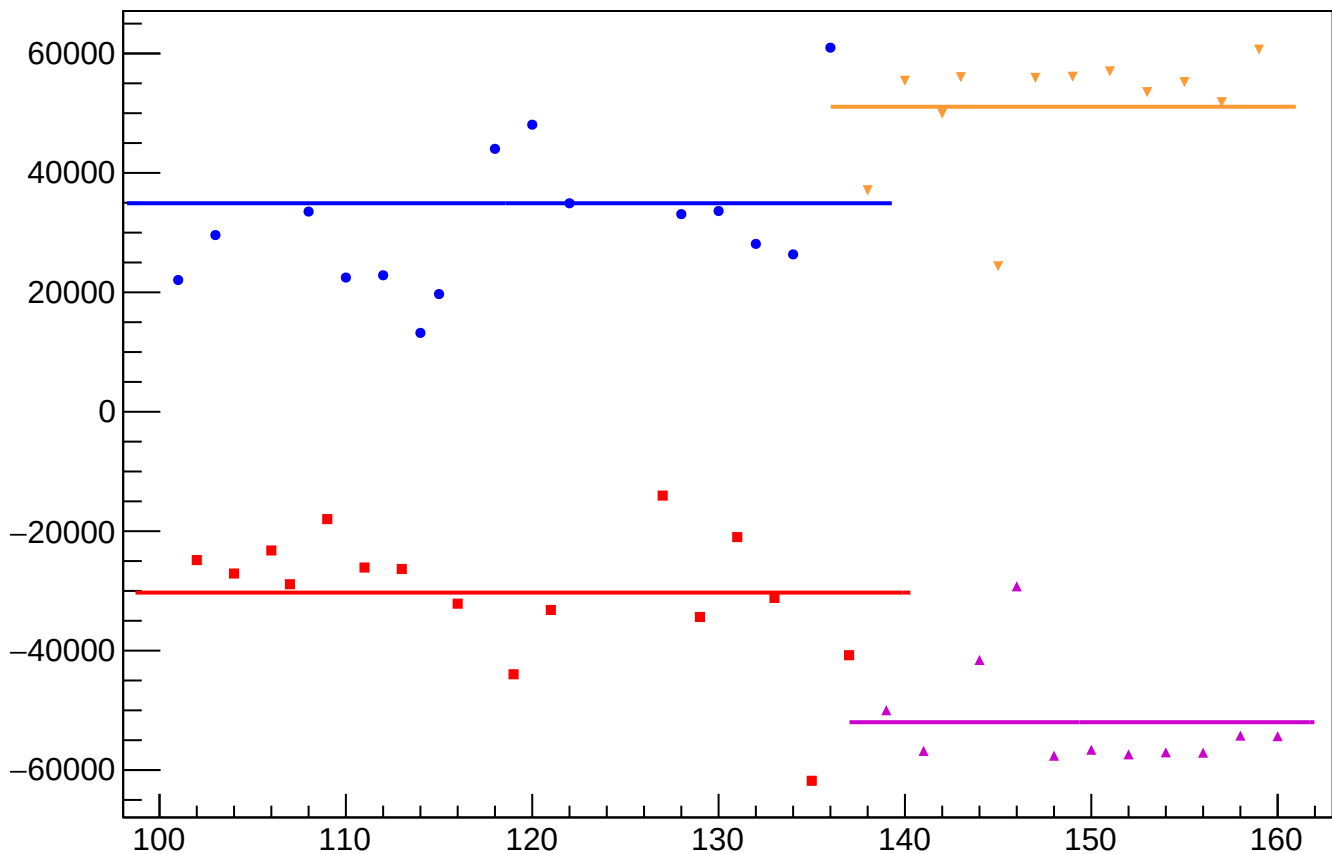
Right In: 1330.956+/-0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Left Out: 1328.309+/-0.000 χ^2/NDF : 117346287967386958303859795101623517184.0/11
 Right Out: -1254.871+/-0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Left In: -1340.185+/-0.000 χ^2/NDF : 114204911168201277023830767366477709312.0/10
 All: 2.065+/-0.000 χ^2/NDF : 69907059694753

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



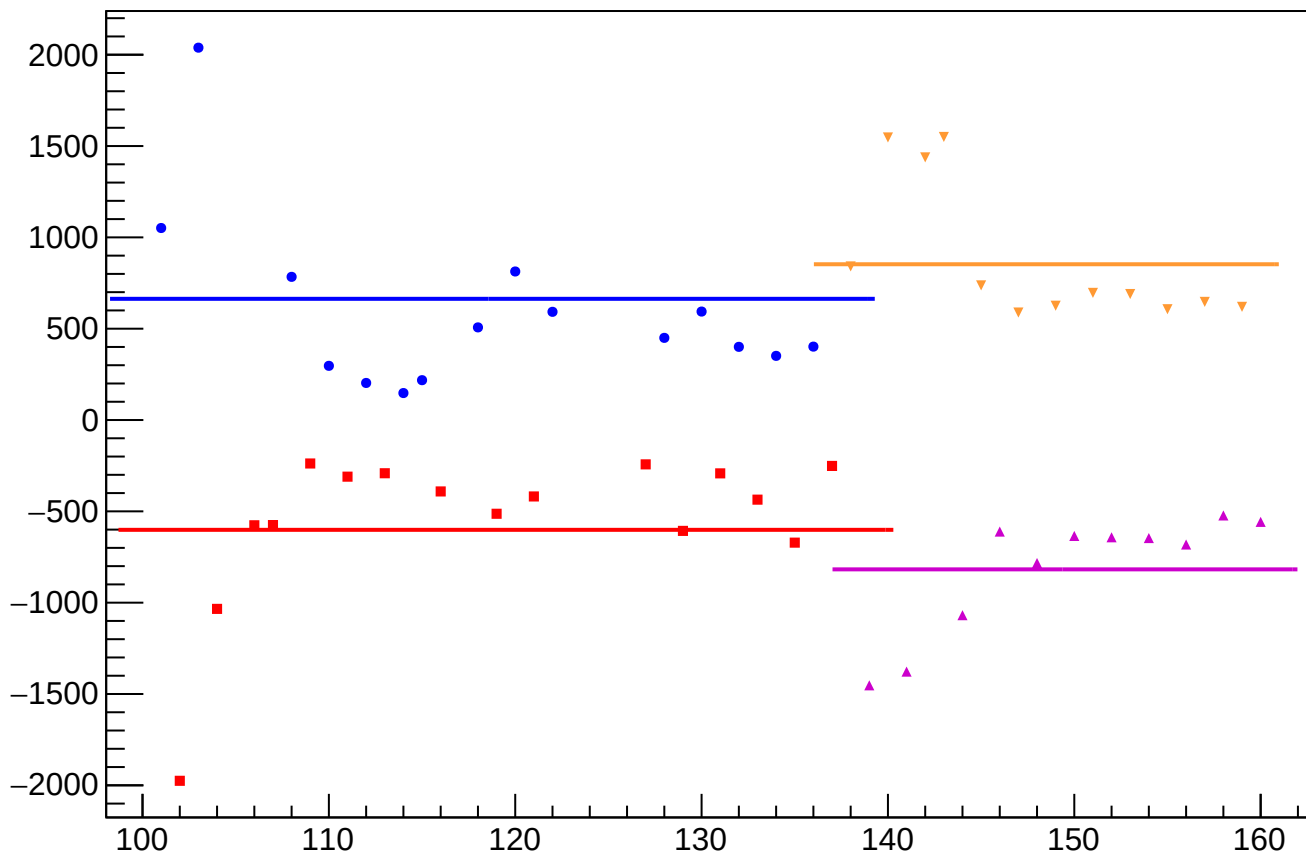
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34919.716+/-0.000 χ^2/NDF : 106387385440718622155122541848729997017088.0/14
 Left Out: 51078.913+/-0.000 χ^2/NDF : 92171566183632008367490399553102026899456.0/11
 Right Out: -30282.373+/-0.000 χ^2/NDF : 88346165266593126627598951693506073067520.0/15
 Left In: -51985.374+/-0.000 χ^2/NDF : 67172587579518863379504132116294676774912.0/10
 All: 402.100+/-0.000 χ^2/NDF : 664619739497

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



Right In: 663.574+/-0.000

χ^2/NDF : 157691812872720822886914966597312446464.0/14

Left Out: 852.828+/-0.000

χ^2/NDF : 115391521173207267272974066416613326848.0/11

Right Out: -601.216+/-0.000

χ^2/NDF : 149717884331889332339995334350831878144.0/15

Left In: -817.657+/-0.000

χ^2/NDF : 90429548723715663326805299076811194368.0/10

Left: 14.410+/-0.000 χ^2/NDF : 14901385915040092

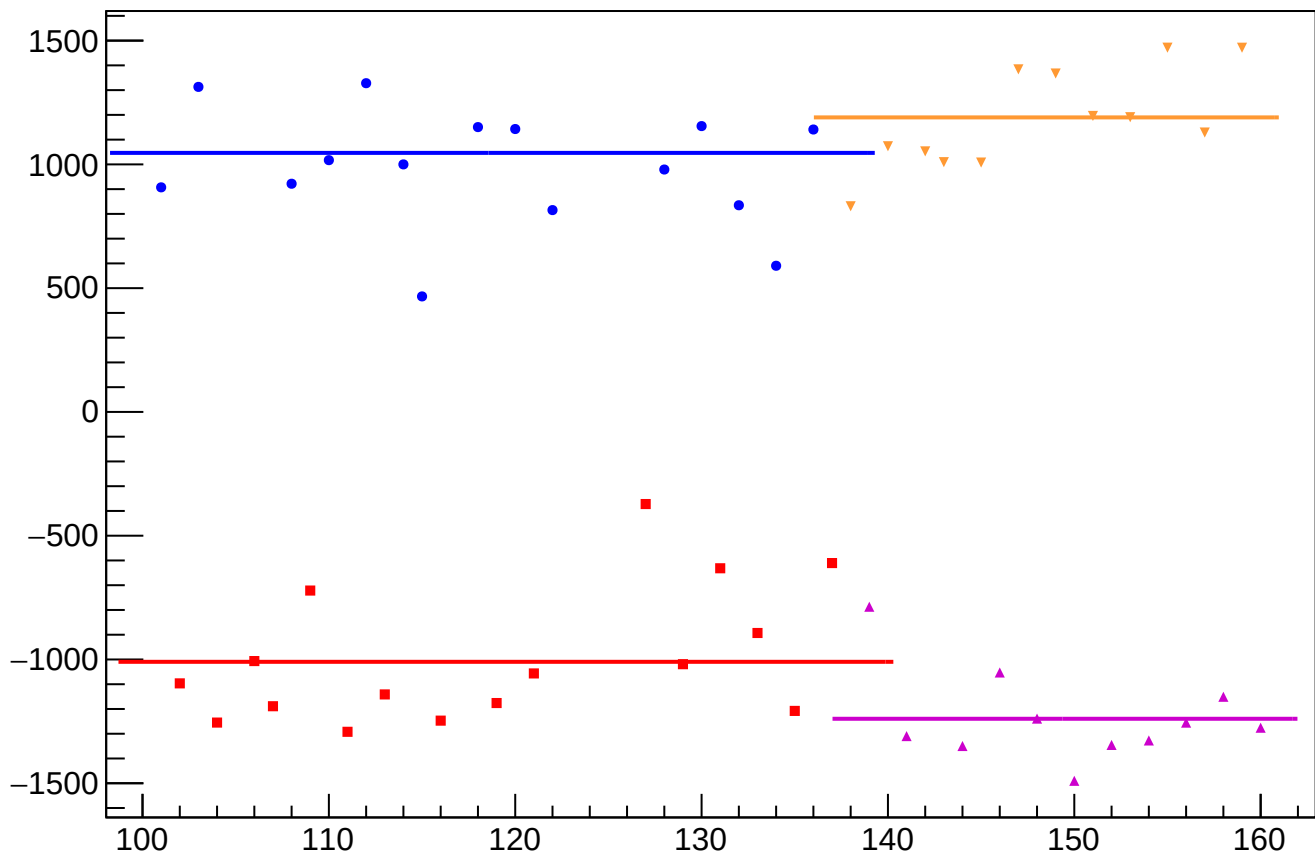
Right: 22.529+/-0.000 χ^2/NDF : 8336101395091641

In: -206.520+/-0.000 χ^2/NDF : 1084558135298016

Out: 240.550+/-0.000 χ^2/NDF : 1081494290409820

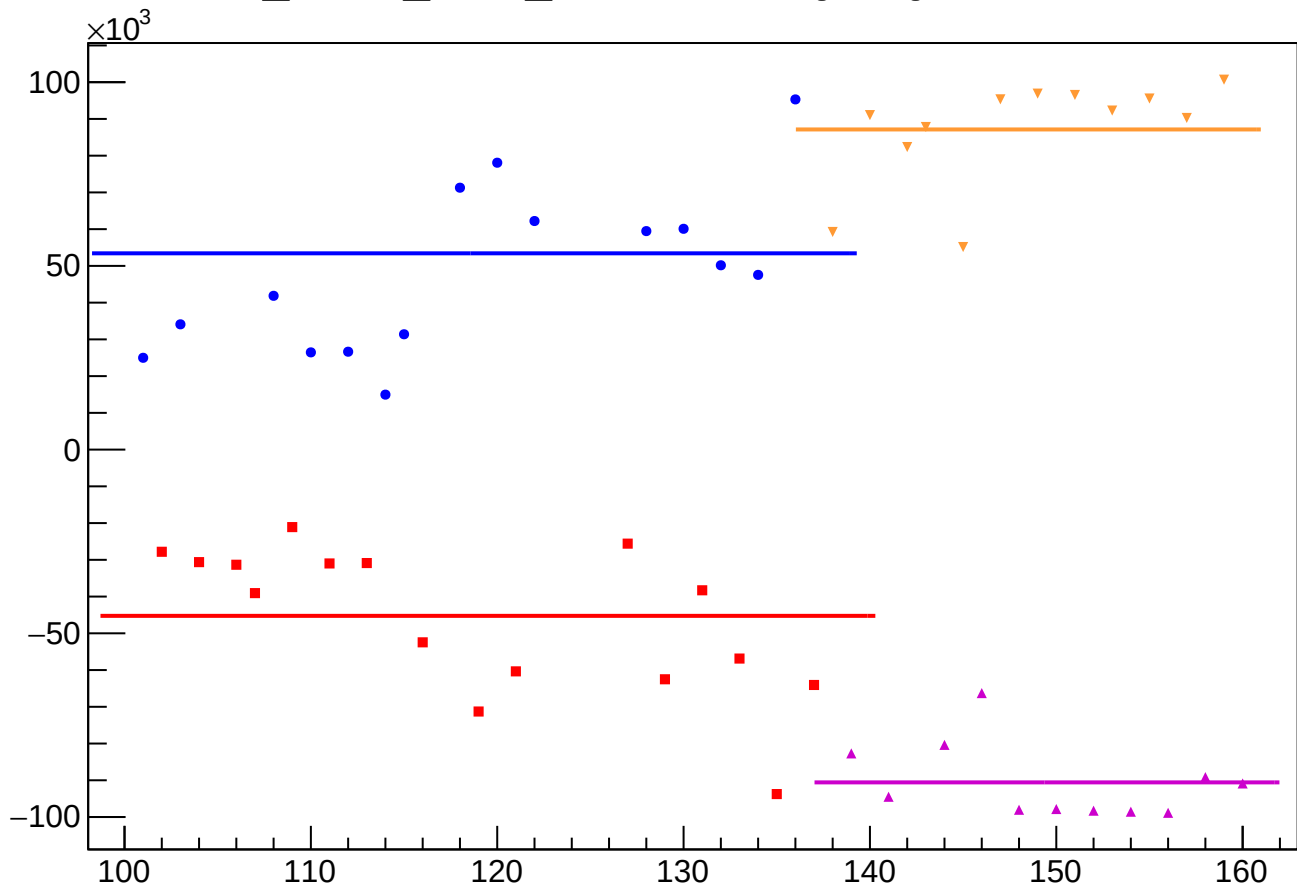
All: 17.794+/-0.000 χ^2/NDF : 2323799322021

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



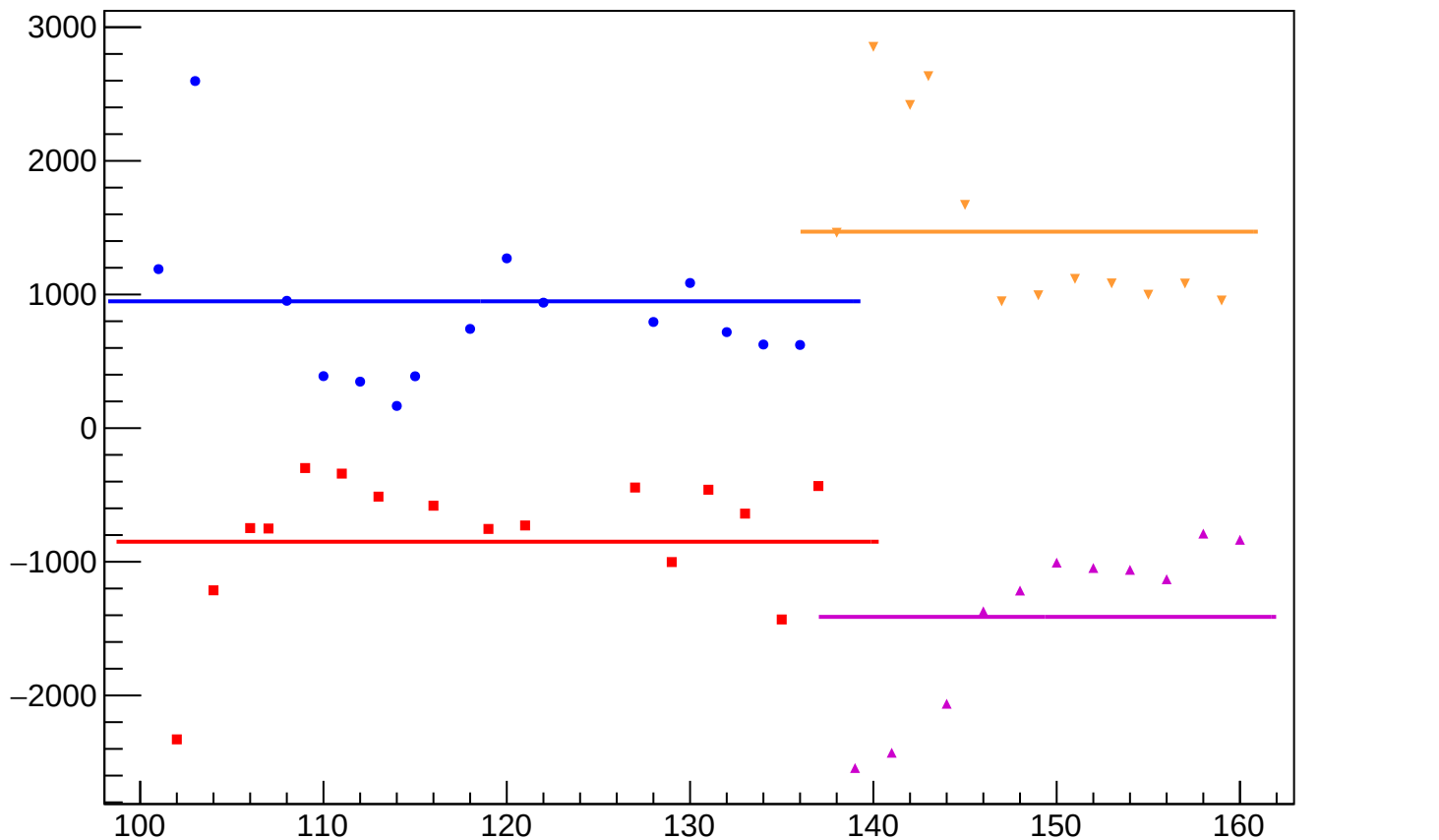
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam4_coil1_mean vs Slug, Sign Corrected



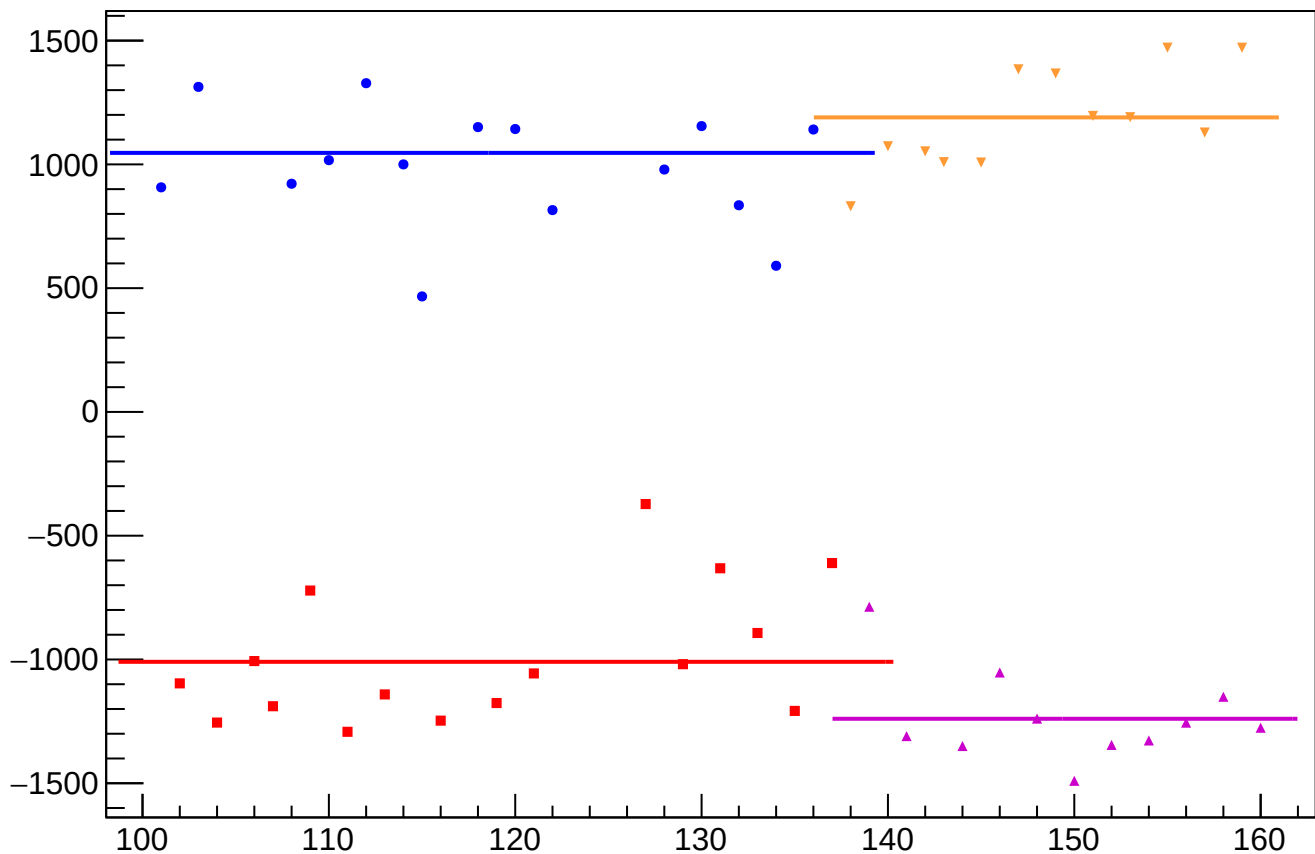
Right In: 53422.452 $\pm$ 0.000 χ^2/NDF : 360635757315133800133751123167777346551808.0/14
 Left Out: 87135.960 $\pm$ 0.000 χ^2/NDF : 189391741344290721413233098775018944331776.0/11
 Right Out: -45247.617 $\pm$ 0.000 χ^2/NDF : 286060196488034430215784613374055547928576.0/15
 Left In: -90573.760 $\pm$ 0.000 χ^2/NDF : 90574081394354221593949262312406685581312.0/10
 All: 223.165 $\pm$ 0.000 χ^2/NDF : 186869193995

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



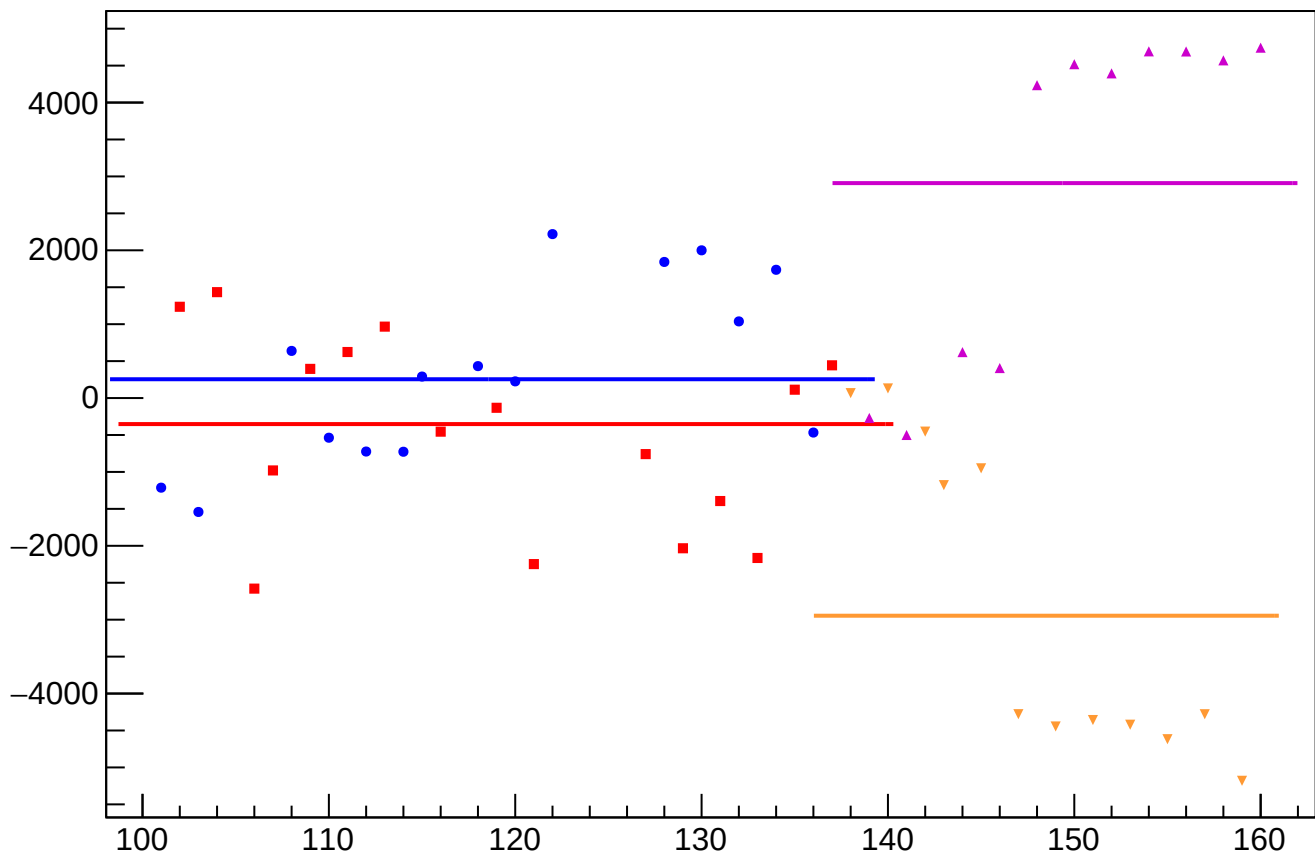
Right In: 949.197 $\pm$ 0.000 χ^2 /NDF: 225691032183153732733308094067658194944.0/14
 Left Out: 1470.170 $\pm$ 0.000 χ^2 /NDF: 405590375156650172280507211961333710848.0/11
 Right Out: -849.827 $\pm$ 0.000 χ^2 /NDF: 20462224261577247702227312745197338624.0/15
 Left In: -1412.186 $\pm$ 0.000 χ^2 /NDF: 332529390934897118157875972661756035072.0/10
 All: 29.294 $\pm$ 0.000 χ^2 /NDF: 6056877186089

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



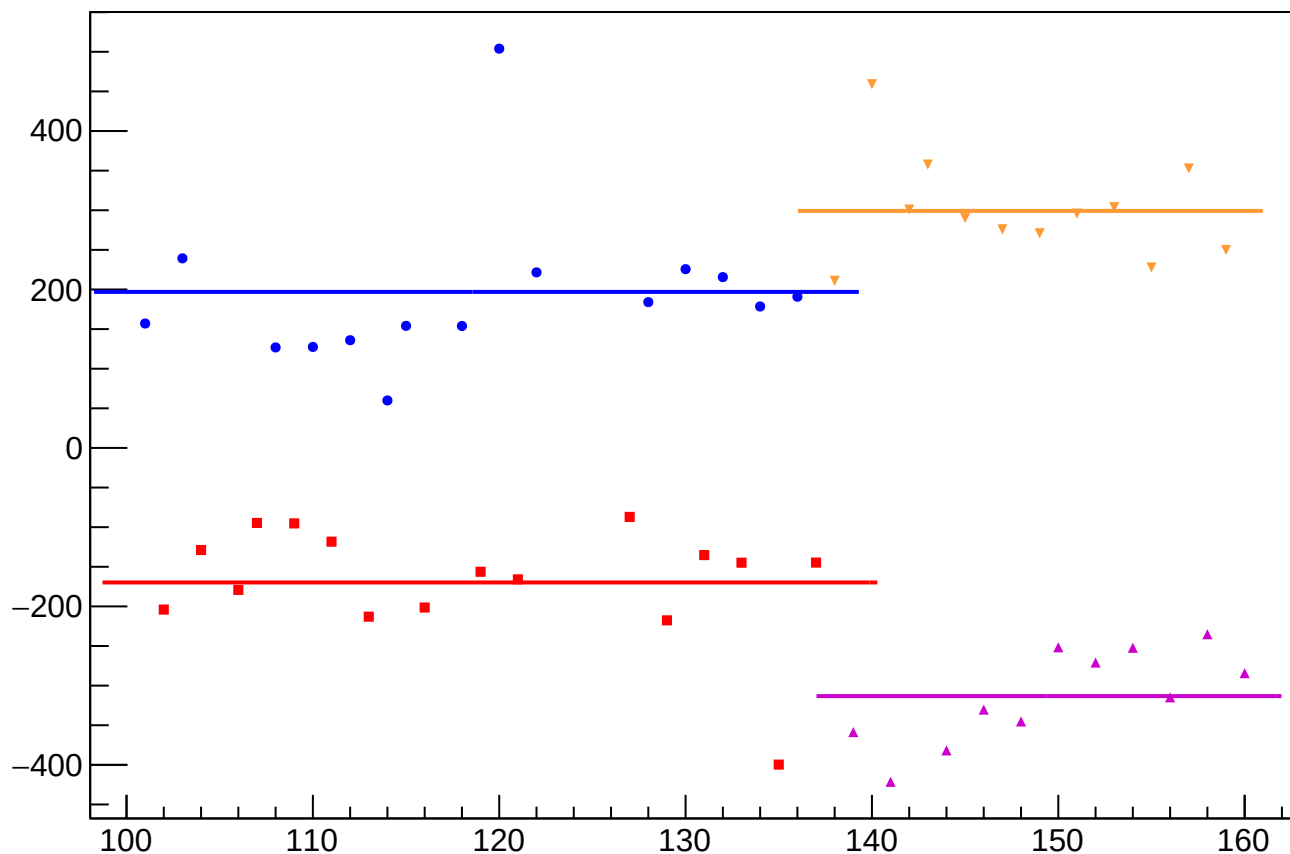
Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam5_coil1_mean vs Slug, Sign Corrected



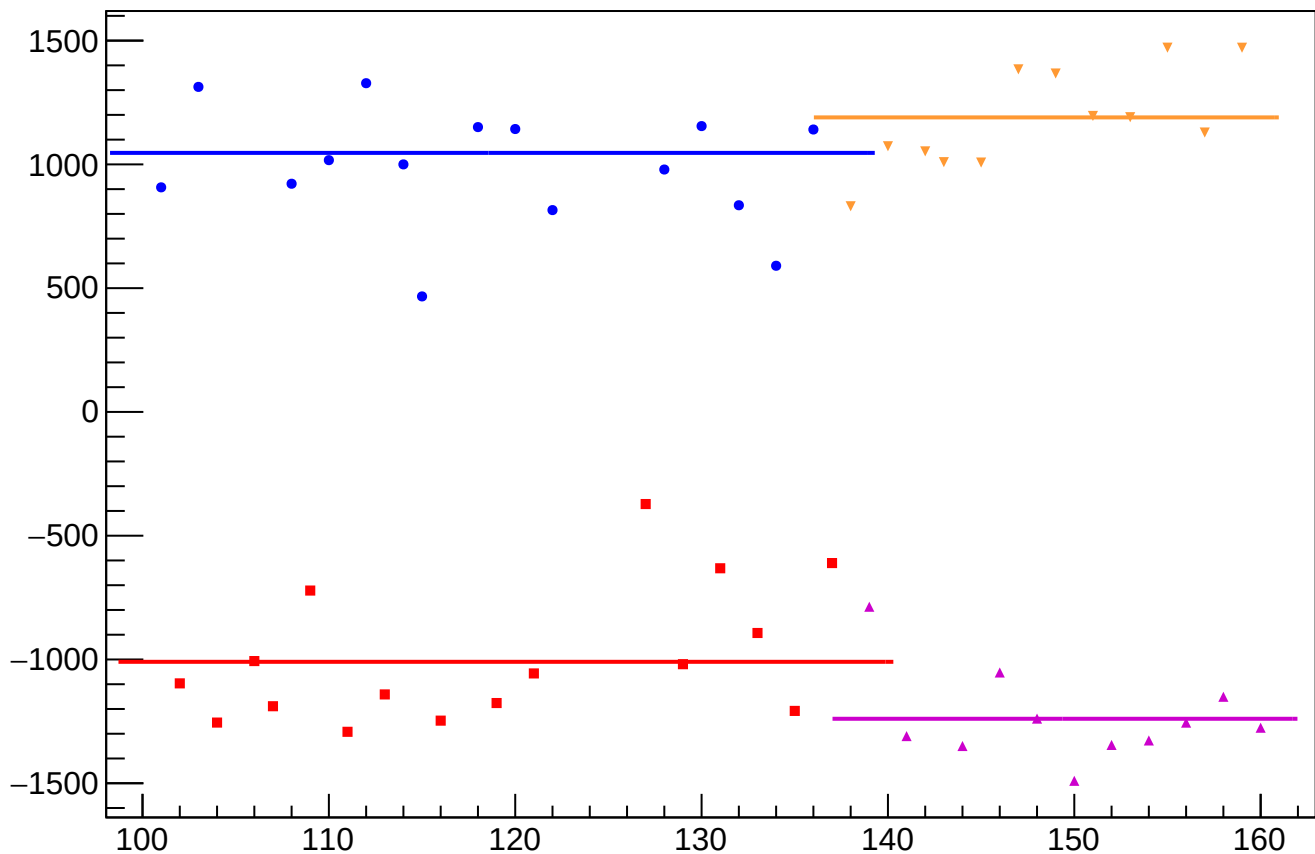
Right In: 254.578 ± 0.000 $\chi^2/\text{NDF}: 978402113531006640741569223967249530880.0/14$
 Left Out: -2946.326 ± 0.000 $\chi^2/\text{NDF}: 3731127313953628227585948865105357701120.0/11$
 Right Out: -352.308 ± 0.000 $\chi^2/\text{NDF}: 1100813647101508513447529068154010468352.0/15$
 Left In: 2909.545 ± 0.000 $\chi^2/\text{NDF}: 4377323512278558404902073126276443406336.0/10$
 All: -26.332 ± 0.000 $\chi^2/\text{NDF}: 260927325802$

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



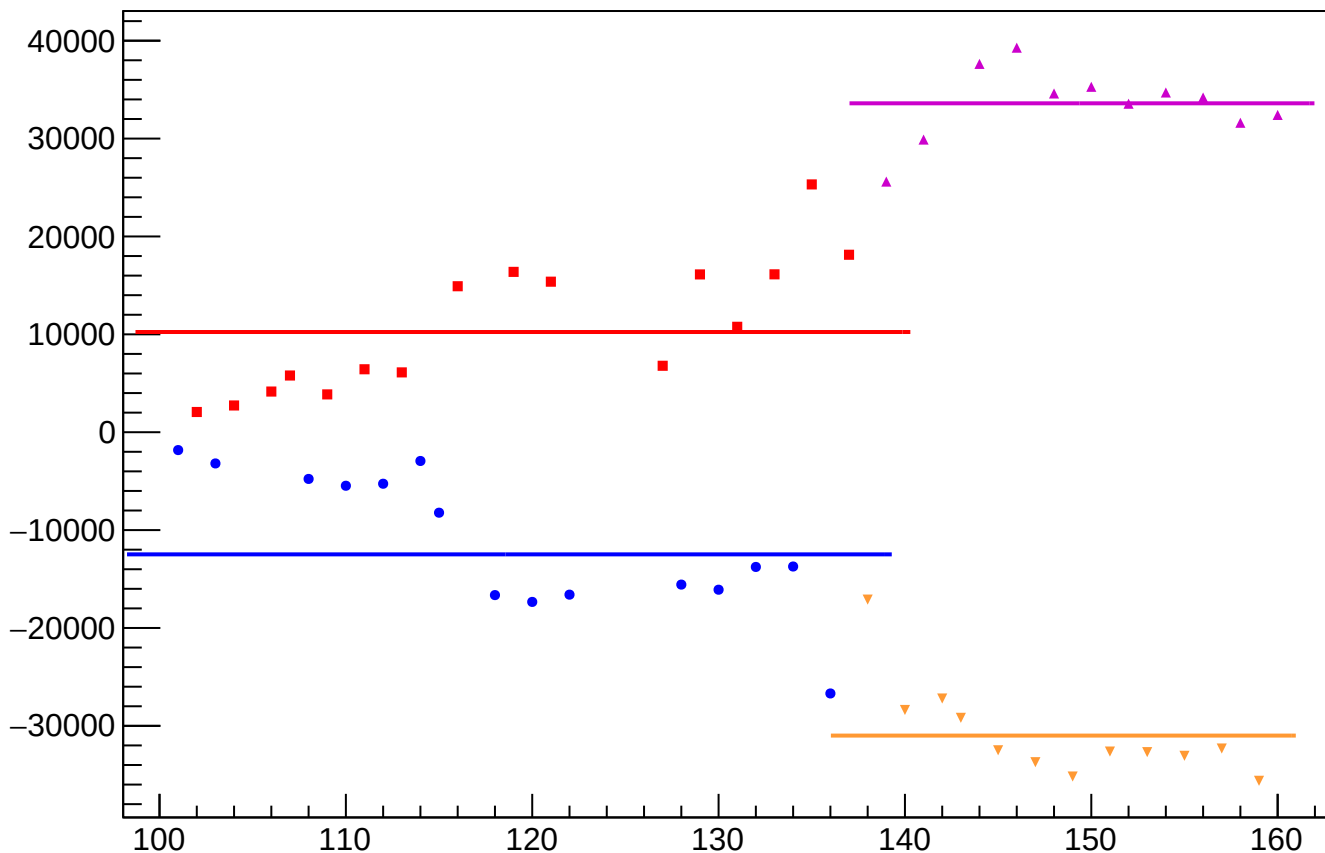
Right In: 196.955 $\pm$ 0.000 χ^2 /NDF: 4485245160329657914621372425838788608.0/14
 Left Out: 299.172 $\pm$ 0.000 χ^2 /NDF: 3880381264543200500455029030889979904.0/11
 Right Out: -169.778 $\pm$ 0.000 χ^2 /NDF: 3892609445494845784493558646385410048.0/15
 Left In: -313.228 $\pm$ 0.000 χ^2 /NDF: 3079061701843560714774529768142405632.0/10
 All: -0.158 $\pm$ 0.000 χ^2 /NDF: 2324687207853

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



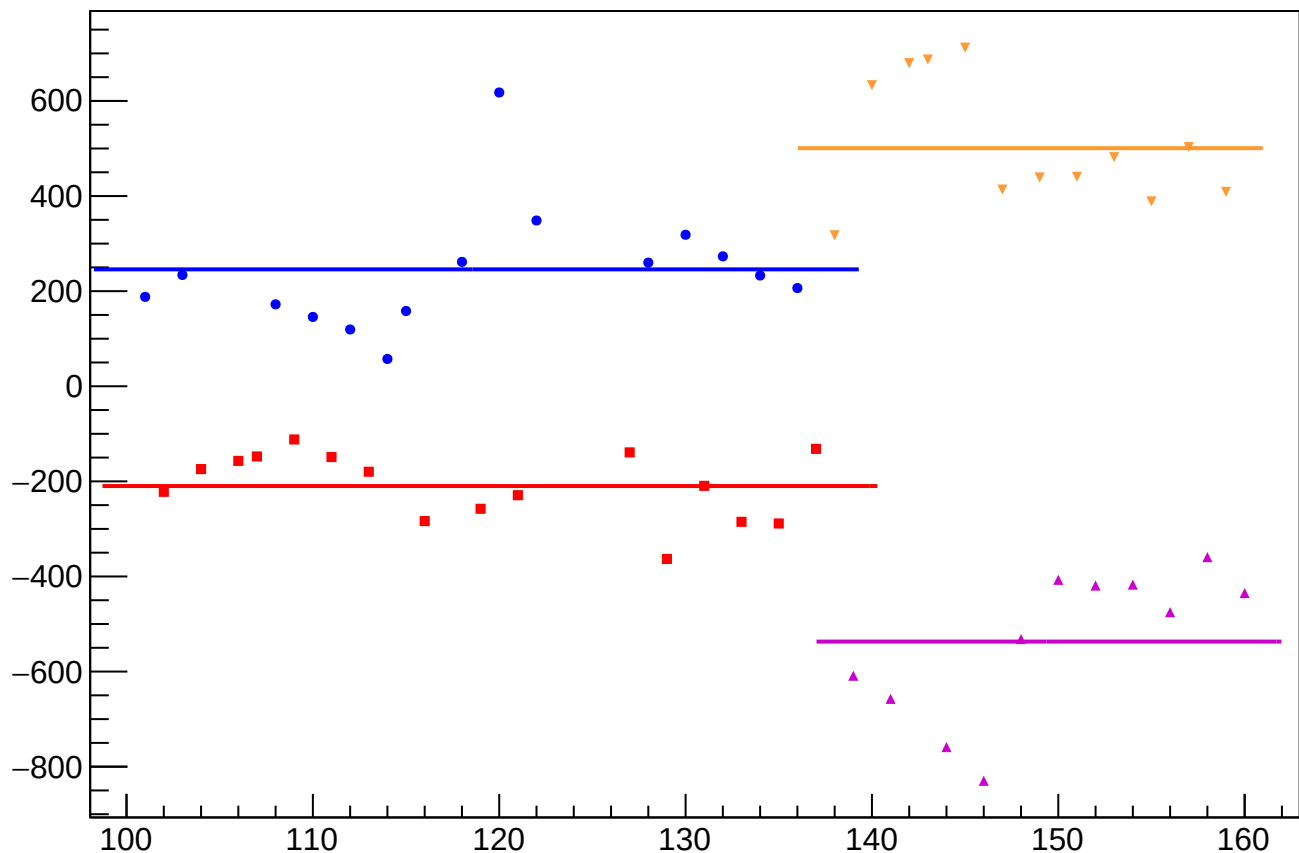
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam6_coil1_mean vs Slug, Sign Corrected



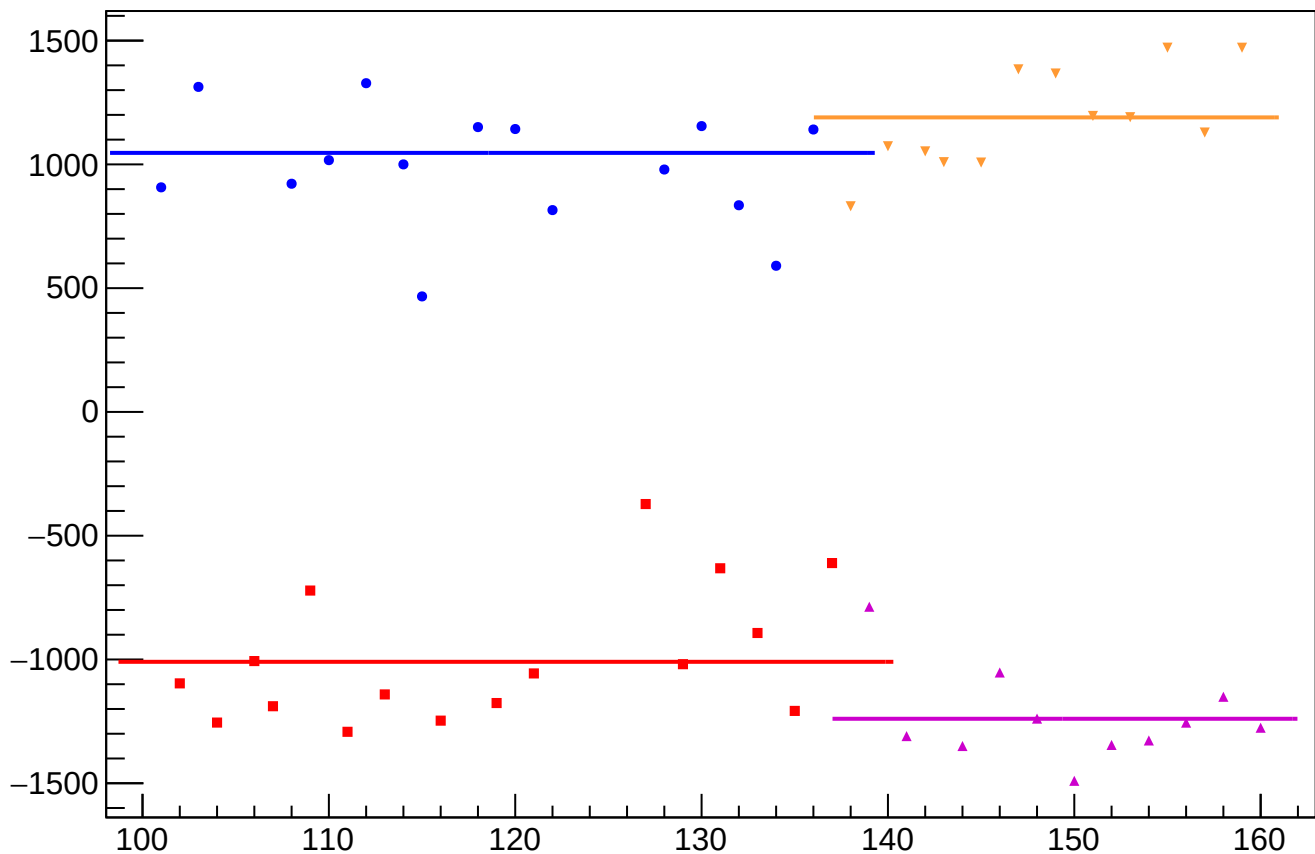
Right In: -12479.653+/-0.000 χ^2/NDF : 41178633231253805317353333973475271901184.0/14
 Left Out: -30994.631+/-0.000 χ^2/NDF : 21360802405540775794048943647973709971456.0/11
 Right Out: 10238.098+/-0.000 χ^2/NDF : 31227861126159534031961501923223718068224.0/15
 Left In: 33603.125+/-0.000 χ^2/NDF : 11377877741280377988076632069746943066112.0/10
 All: 429.752+/-0.000 χ^2/NDF : 219983742994

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



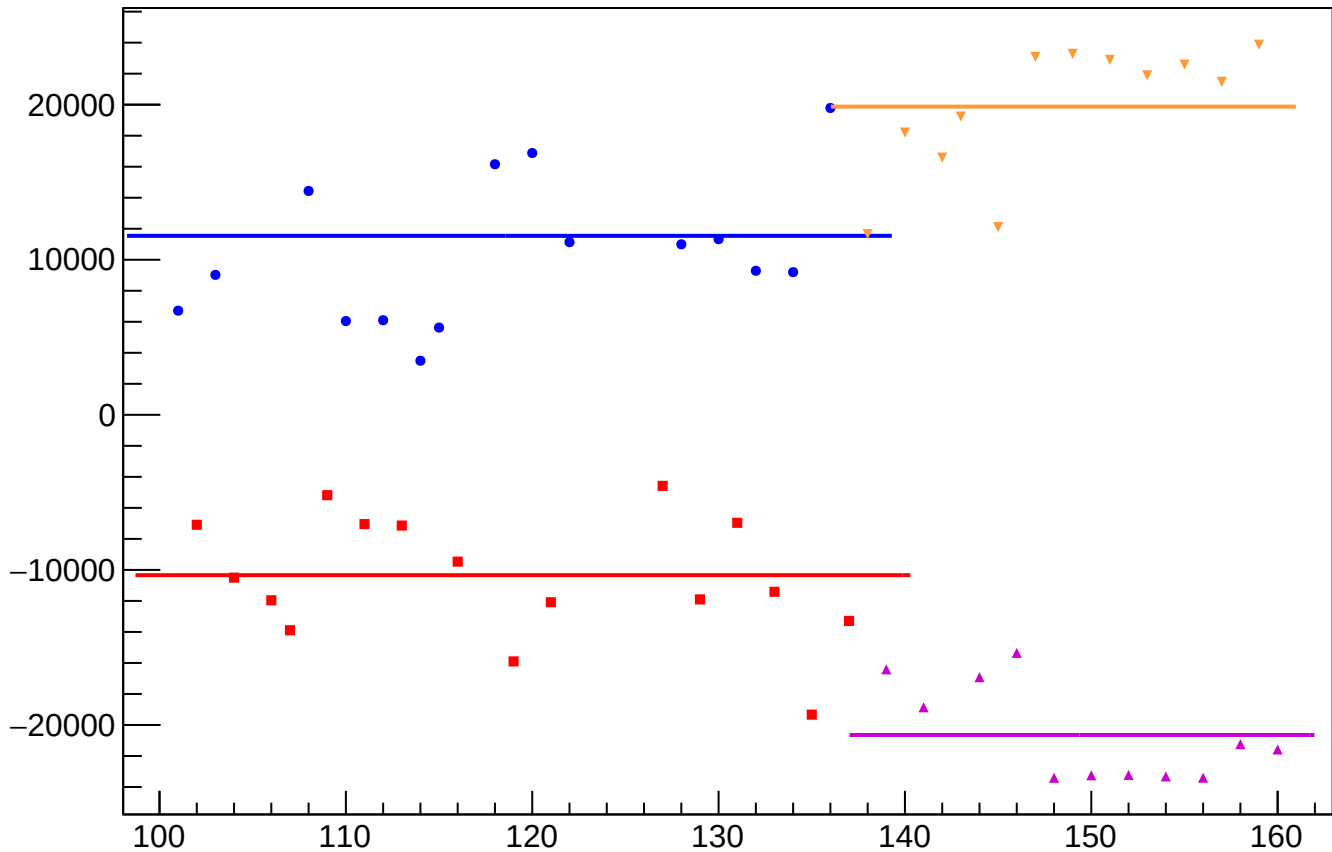
Right In: 245.832+/-0.000	χ^2/NDF : 7828269009300013139414476154059358208.0/14	Left: -20.099+/-0.000	χ^2/NDF : 5307663068333209
Left Out: 500.722+/-0.000	χ^2/NDF : 14366647854030986801089252354911371264.0/11	Right: 14.878+/-0.000	χ^2/NDF : 7925780675793006
Right Out: -209.844+/-0.000	χ^2/NDF : 3128489258838765241921217786024034304.0/15	In: -213.998+/-0.000	χ^2/NDF : 2622447157397891
Left In: -536.975+/-0.000	χ^2/NDF : 20803022486400810956958367719555596288.0/10	Out: 201.513+/-0.000	χ^2/NDF : 2124563365835666
	All: -5.519+/-0.000		χ^2/NDF : 6109629963299

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11542.759+/-0.000

χ^2/NDF : 14233543123238566357226766219014687424512.0/14

Left Out: 19875.162+/-0.000

χ^2/NDF : 15802196643449462198483400956357455642624.0/11

Right Out: -10339.969+/-0.000

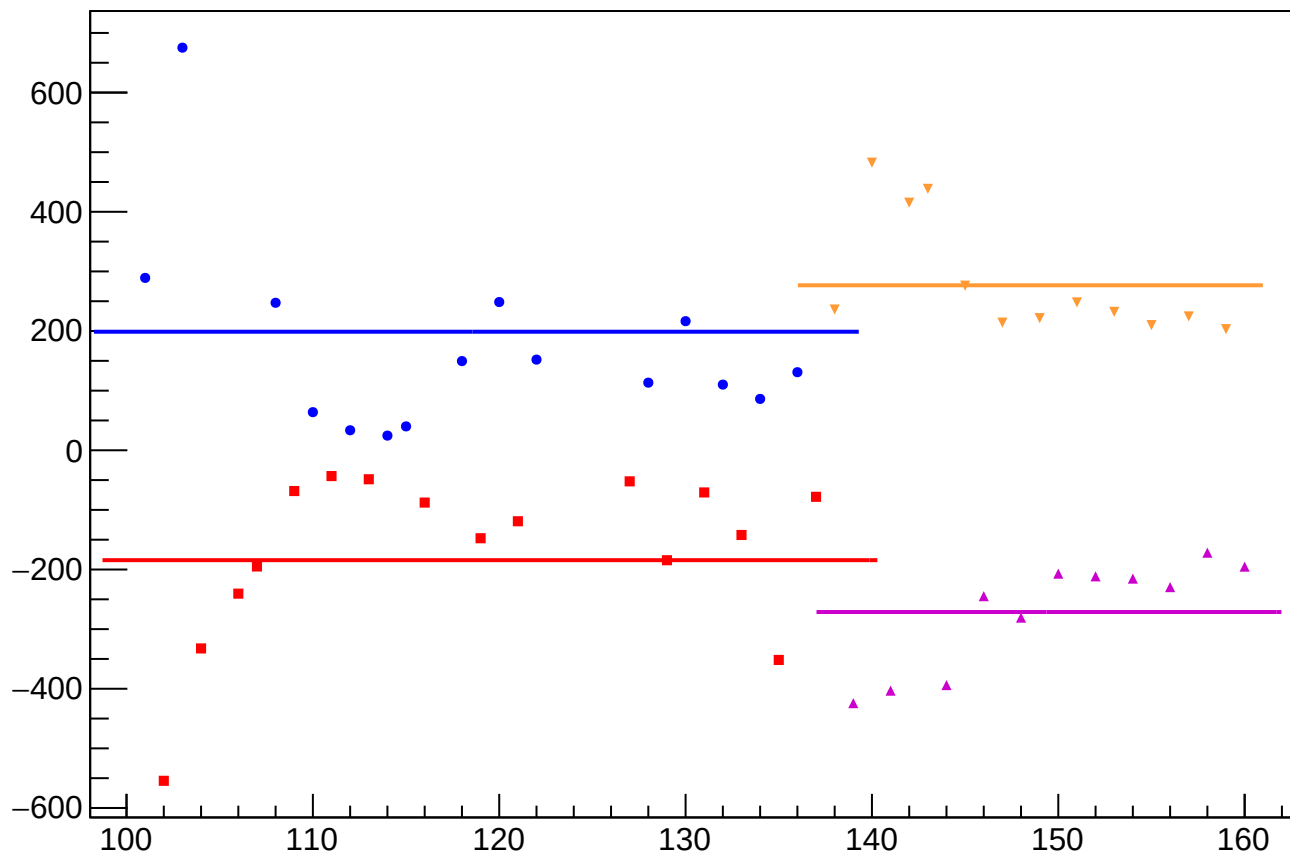
χ^2/NDF : 11260833863406751645923420062982418202624.0/15

Left In: -20645.358+/-0.000

χ^2/NDF : 8456327376882782804888899010558833983488.0/10

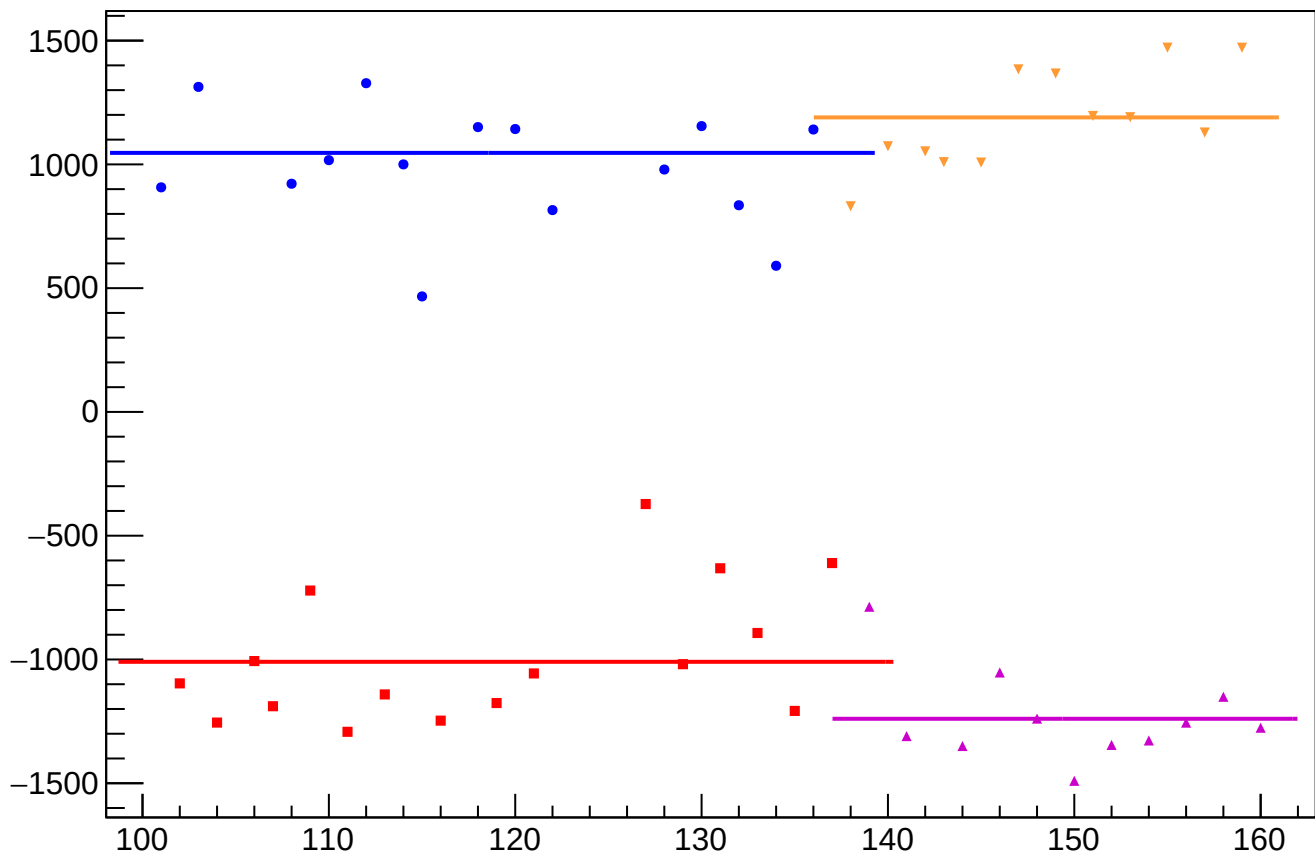
All: -81.183+/-0.000 χ^2/NDF : 963586580274

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



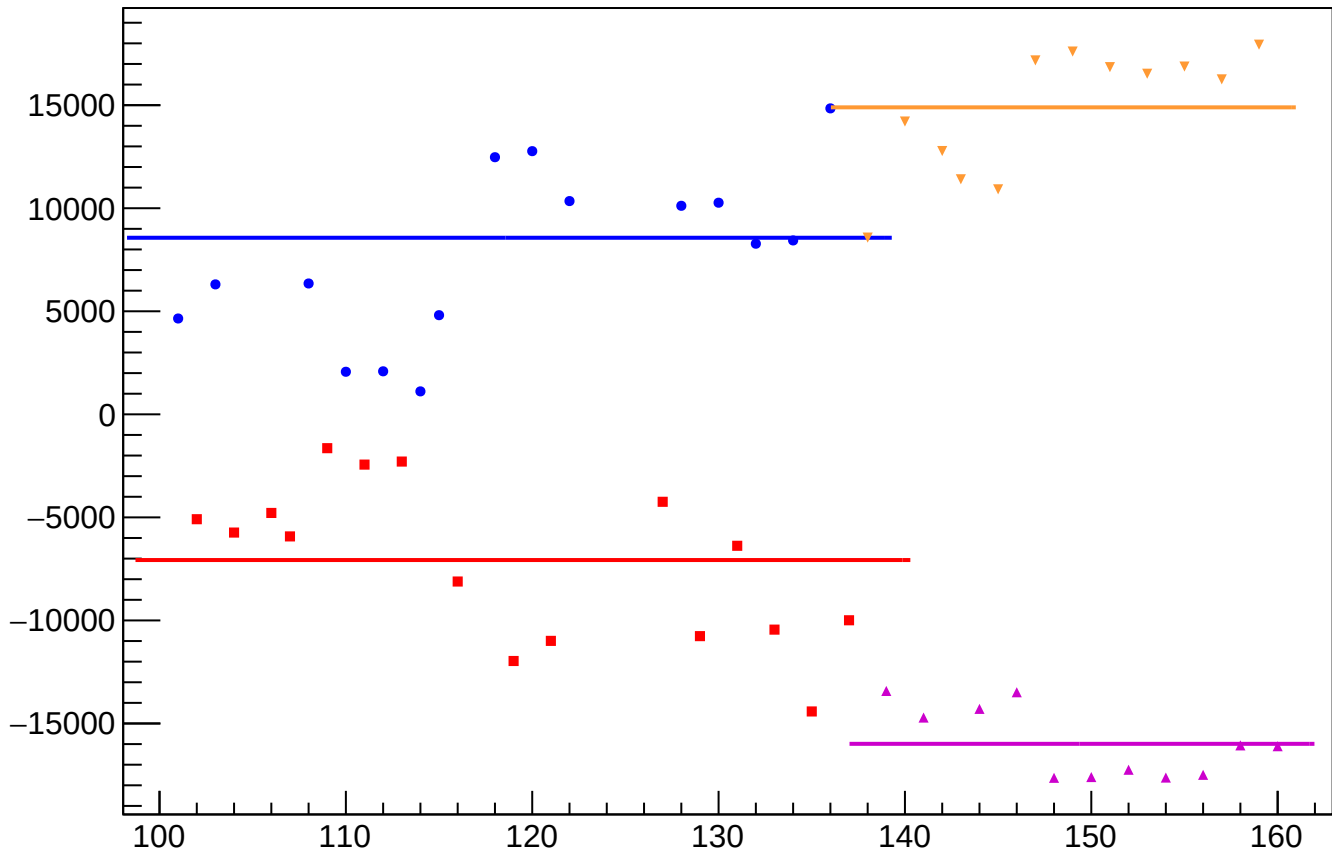
Right In: 198.850+/-0.000 χ^2/NDF : 18333995109503438037075916944440295424.0/14
 Left Out: 276.729+/-0.000 χ^2/NDF : 8031577970080371618596427688692416512.0/11
 Right Out: -184.328+/-0.000 χ^2/NDF : 14927434931395588601024961538372403200.0/15
 Left In: -271.291+/-0.000 χ^2/NDF : 7112445981030520145066814103974051840.0/10
 All: 2.912+/-0.000 χ^2/NDF : 23493214759082

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490 ± 0.000 $\chi^2/\text{NDF}: 24866624766048512267031234680614551552.0/14$
 Left Out: 1189.821 ± 0.000 $\chi^2/\text{NDF}: 35487872642876563282140008444600516608.0/11$
 Right Out: -1009.445 ± 0.000 $\chi^2/\text{NDF}: 44602783681728168935494176019868286976.0/15$
 Left In: -1239.553 ± 0.000 $\chi^2/\text{NDF}: 29116180330425505242594030704390045696.0/10$
 All: -15.334 ± 0.000 $\chi^2/\text{NDF}: 424162911952$

dit_sam8_coil1_mean vs Slug, Sign Corrected



Right In: 8567.784 $\pm$ 0.000

χ^2/NDF : 11106048878972501366429055679645708451840.0/14

Left Out: 14894.671 $\pm$ 0.000

χ^2/NDF : 8196994251162162548782617513195066097664.0/11

Right Out: -7069.884 $\pm$ 0.000

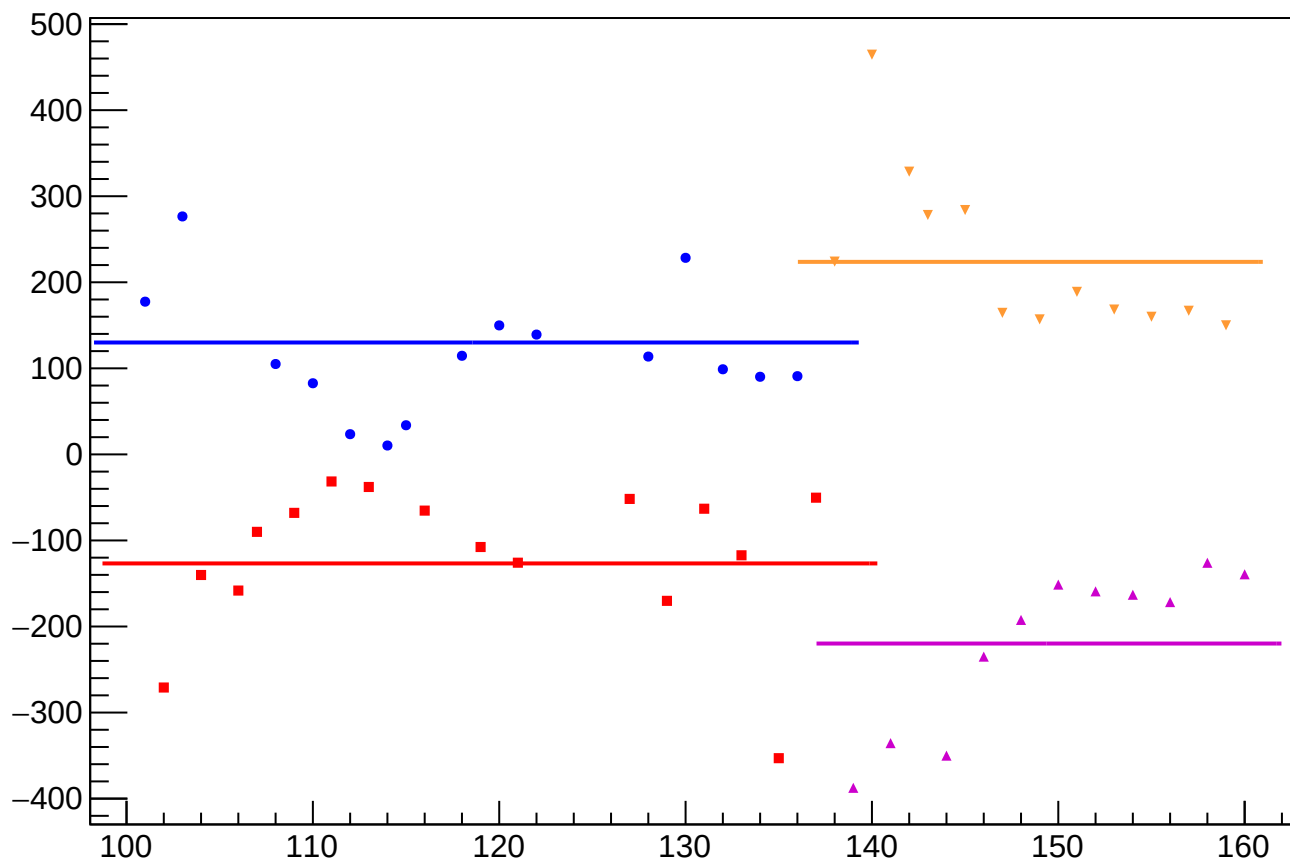
χ^2/NDF : 10076862363502652111378210539664387866624.0/15

Left In: -15987.436 $\pm$ 0.000

χ^2/NDF : 2470393428254815728629083332629999124480.0/10

All: -85.239 $\pm$ 0.000 χ^2/NDF : 552417535808

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021+/-0.000

χ^2/NDF : 3115259987552341725946418665378283520.0/14

Left Out: 223.724+/-0.000

χ^2/NDF : 7769866101258790132911352573971136512.0/11

Right Out: -126.709+/-0.000

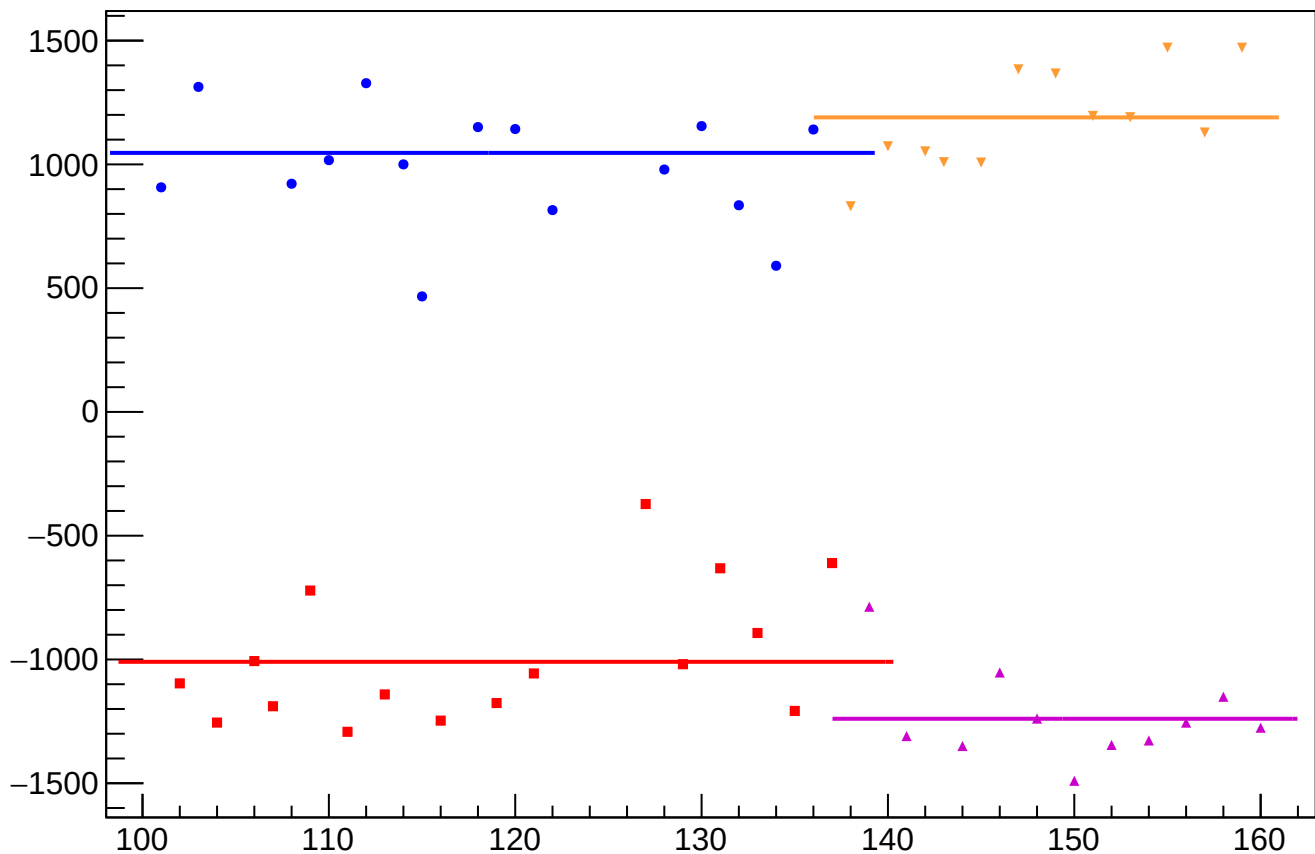
χ^2/NDF : 5397122581297664561308621600668516352.0/15

Left In: -219.787+/-0.000

χ^2/NDF : 7418609629454172879787970620999860224.0/10

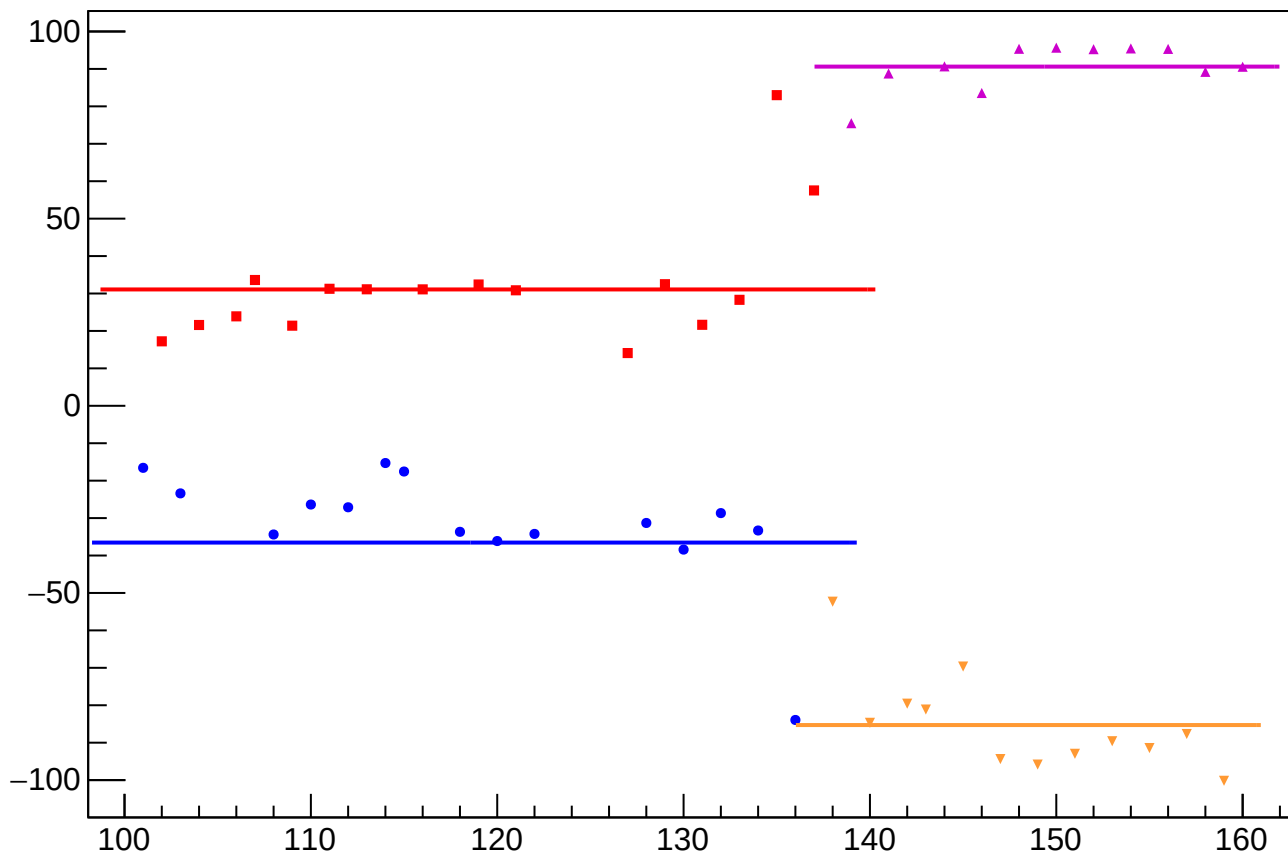
All: 0.615+/-0.000 χ^2/NDF : 13591277420153

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1189.821+/-0.000 χ^2/NDF : 35487872642876563282140008444600516608.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.334+/-0.000 χ^2/NDF : 424162911952

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540+/-0.000

Left Out: -85.291+/-0.000

Right Out: 31.085+/-0.000

Left In: 90.618+/-0.000

χ^2/NDF : 254351867861444609202637633864335360.0/14

χ^2/NDF : 150335186575692047525398073172819968.0/11

χ^2/NDF : 181291079119381636178408498876383232.0/15

χ^2/NDF : 33089833083626408117297955498622976.0/10

Left: 2.998+/-0.000 χ^2/NDF : 144250947022292483

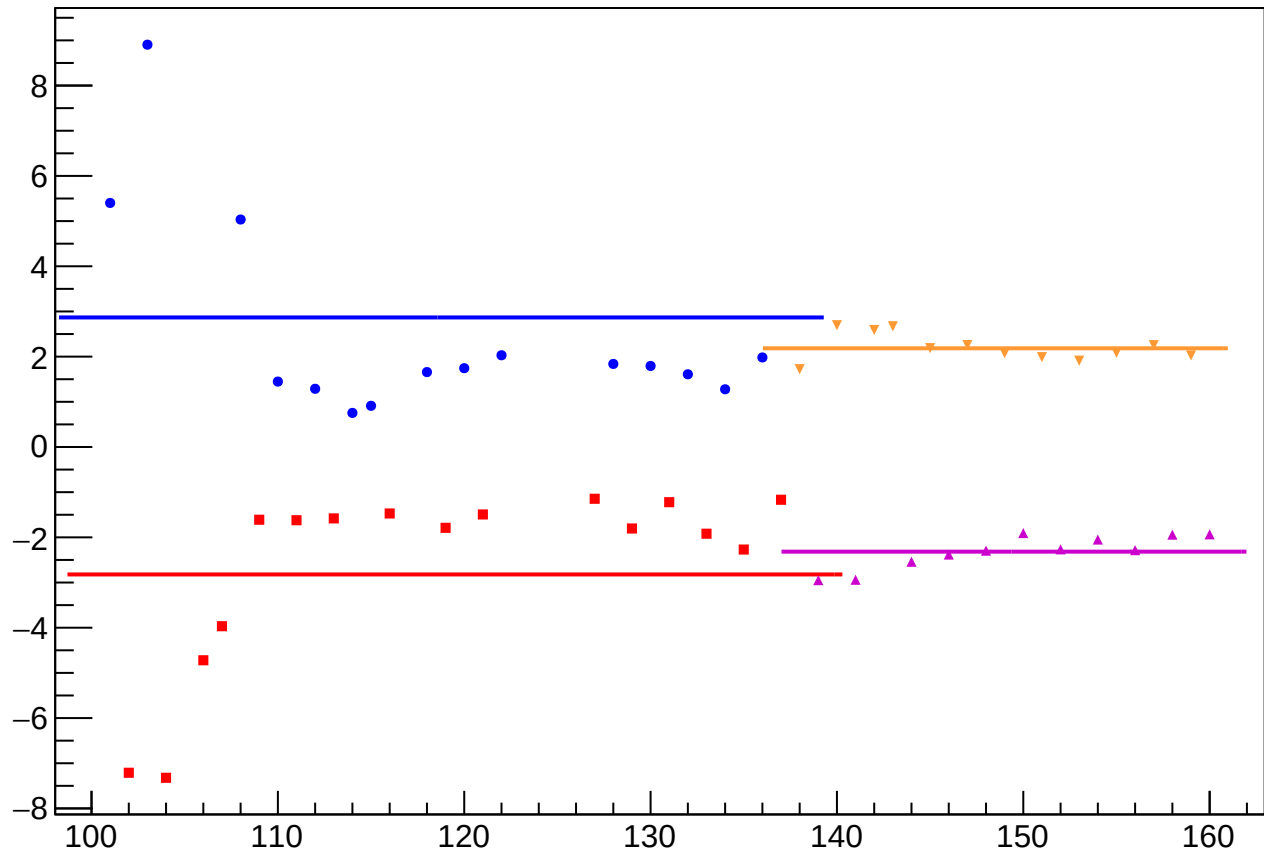
Right: -2.265+/-0.000 χ^2/NDF : 1939933040270060

In: 38.154+/-0.000 χ^2/NDF : 645160855456739365

Out: -36.286+/-0.000 χ^2/NDF : 5561186086442477

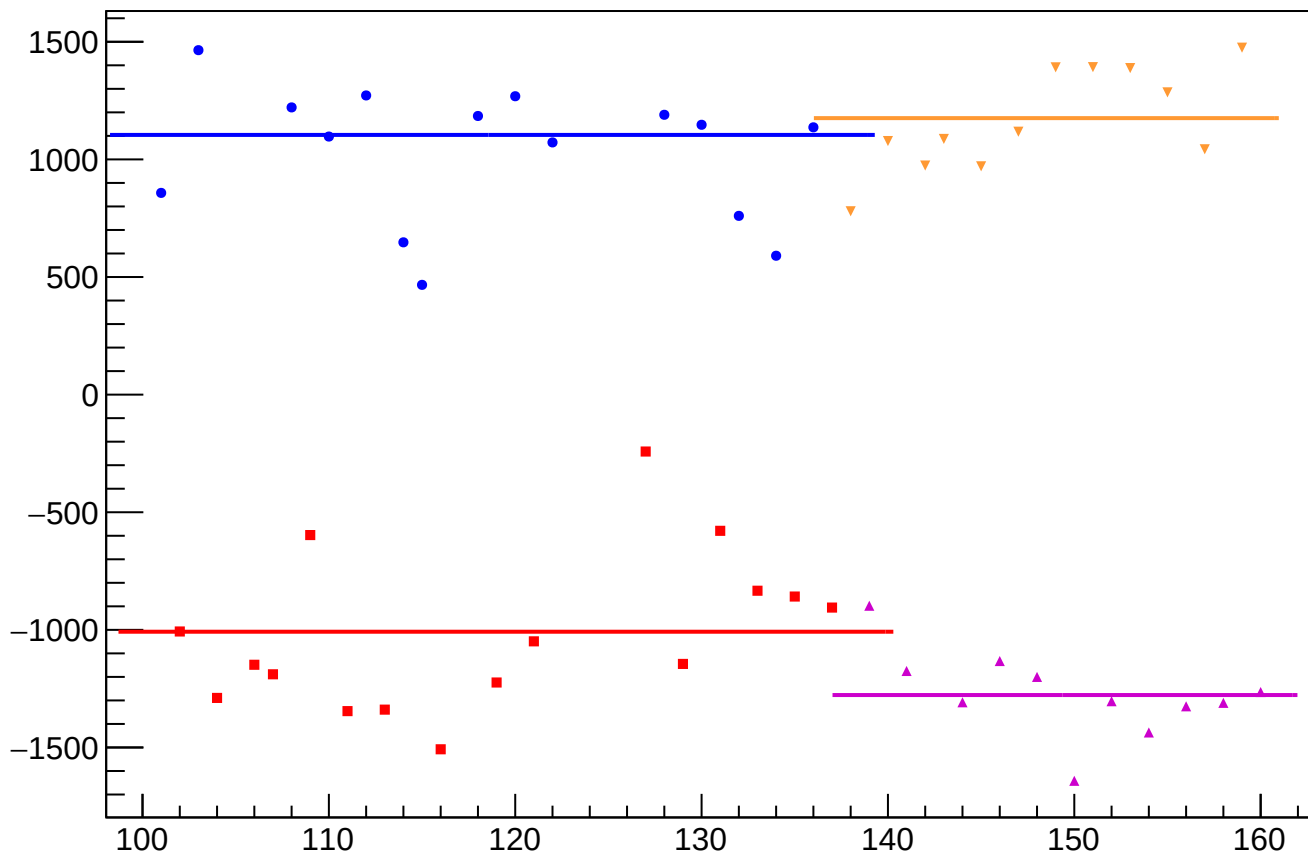
All: 0.804+/-0.000 χ^2/NDF : 16386284657784

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



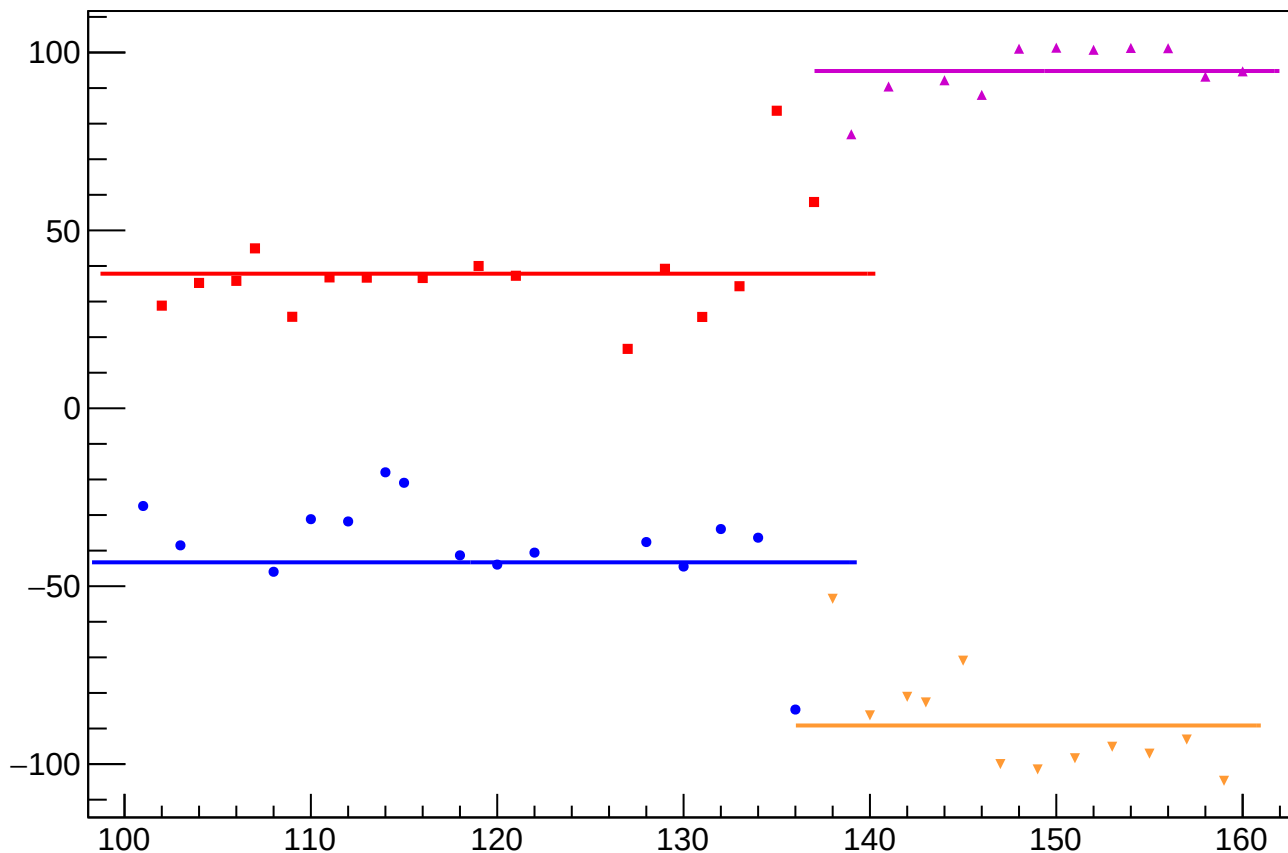
Right In: 2.867 ± 0.000 χ^2/NDF : 3455499087584693564208174061322240.0/14
 Left Out: 2.185 ± 0.000 χ^2/NDF : 75501266637773006003816821161984.0/11
 Right Out: -2.821 ± 0.000 χ^2/NDF : 3052948718107902490497172912472064.0/15
 Left In: -2.317 ± 0.000 χ^2/NDF : 114372564725079889099013285216256.0/10
 All: -0.050 ± 0.000 χ^2/NDF : 2667065323258

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -43.289+/-0.000

Left Out: -89.146+/-0.000

Right Out: 37.832+/-0.000

Left In: 94.799+/-0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

χ^2/NDF : 189364483855471766611288200184856576.0/11

χ^2/NDF : 148683933977204936634636843897323520.0/15

χ^2/NDF : 49077050032611006982156968074936320.0/10

Left: 3.176+/-0.000 χ^2/NDF : 158111837219189498

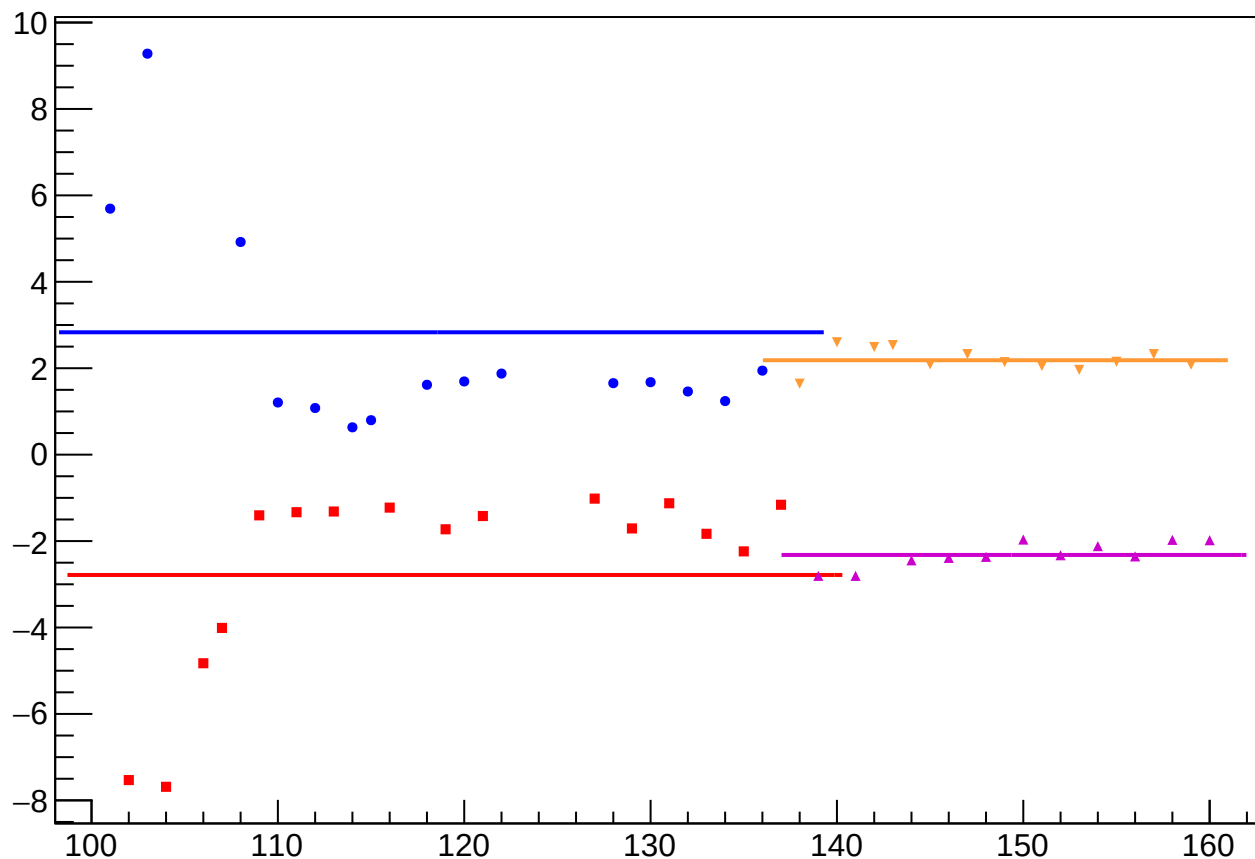
Right: -2.174+/-0.000 χ^2/NDF : 2512687101518028

In: 37.826+/-0.000 χ^2/NDF : 751790372998047563

Out: -35.677+/-0.000 χ^2/NDF : 6563927039215261

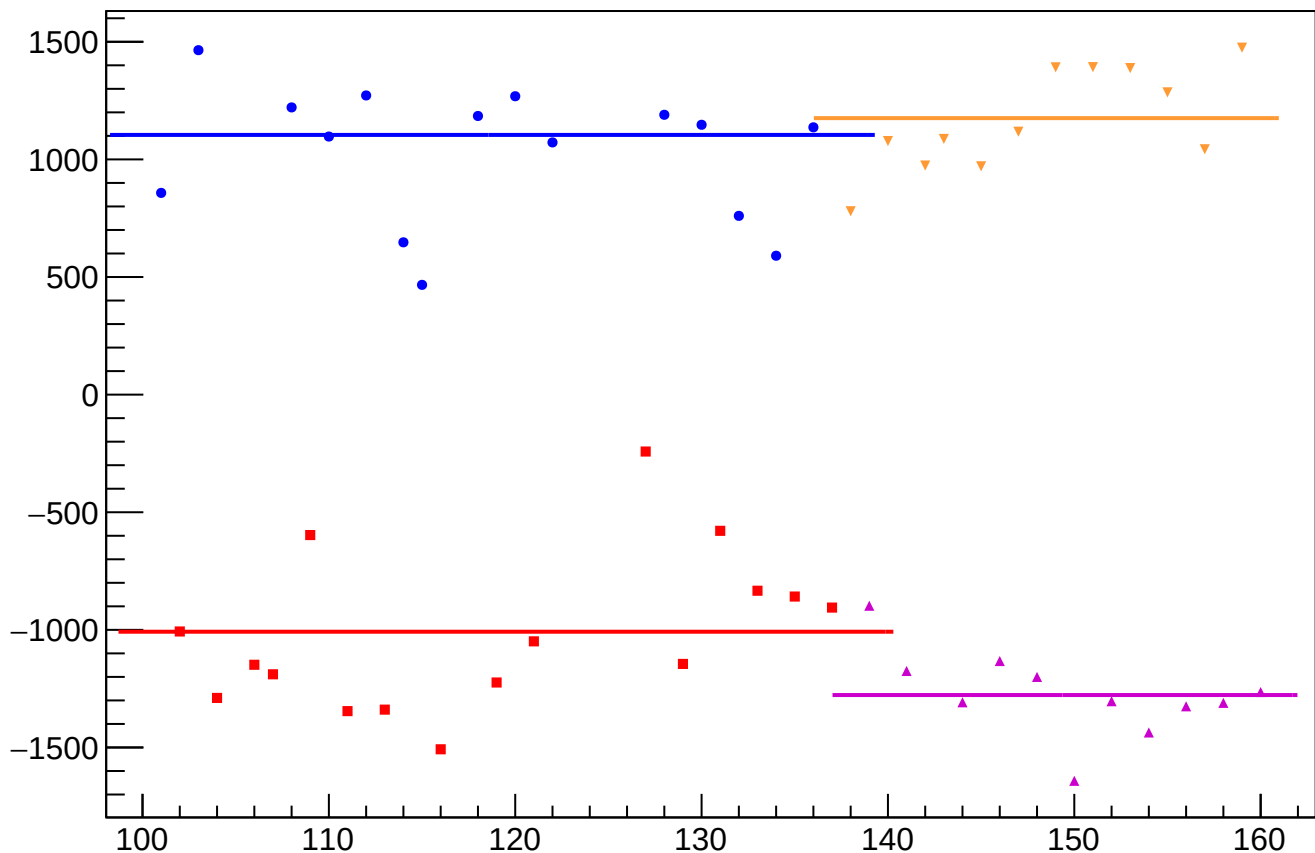
All: 0.946+/-0.000 χ^2/NDF : 18345835995253

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



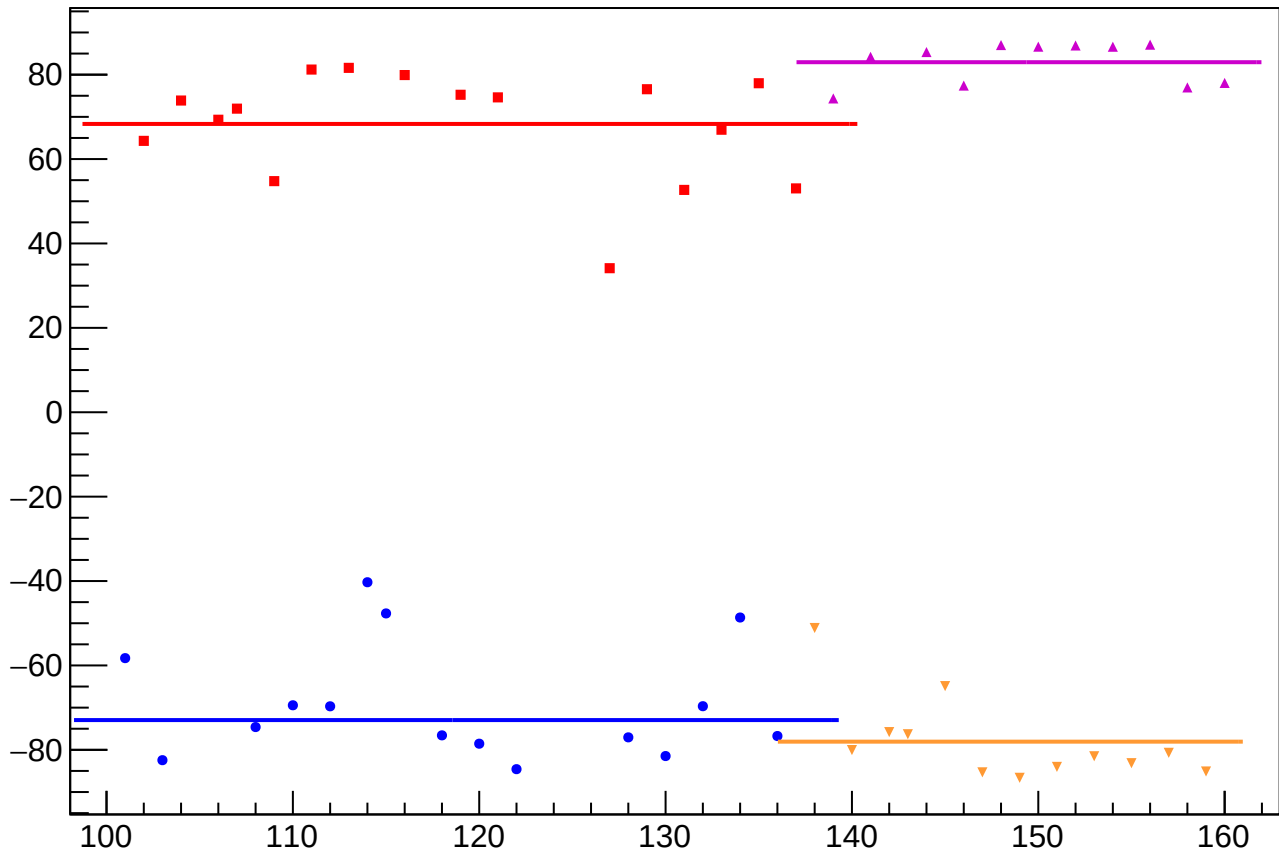
Right In: 2.832 +/- 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.185 +/- 0.000 χ^2/NDF : 60382547029004782914122064855040.0/11
 Right Out: -2.784 +/- 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.321 +/- 0.000 χ^2/NDF : 74619123224616324544404505231360.0/10
 All: -0.051 +/- 0.000 χ^2/NDF : 2740200778569

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949+/-0.000

Left Out: -78.060+/-0.000

Right Out: 68.324+/-0.000

Left In: 82.954+/-0.000

χ^2/NDF : 65755428464857980306879126291087360.0/14

χ^2/NDF : 92076989783561024991215559553056768.0/11

χ^2/NDF : 106694344898202364483367131372584960.0/15

χ^2/NDF : 20419157774877297849205303170564096.0/10

Left: 2.753+/-0.000 χ^2/NDF : 120446033941350185

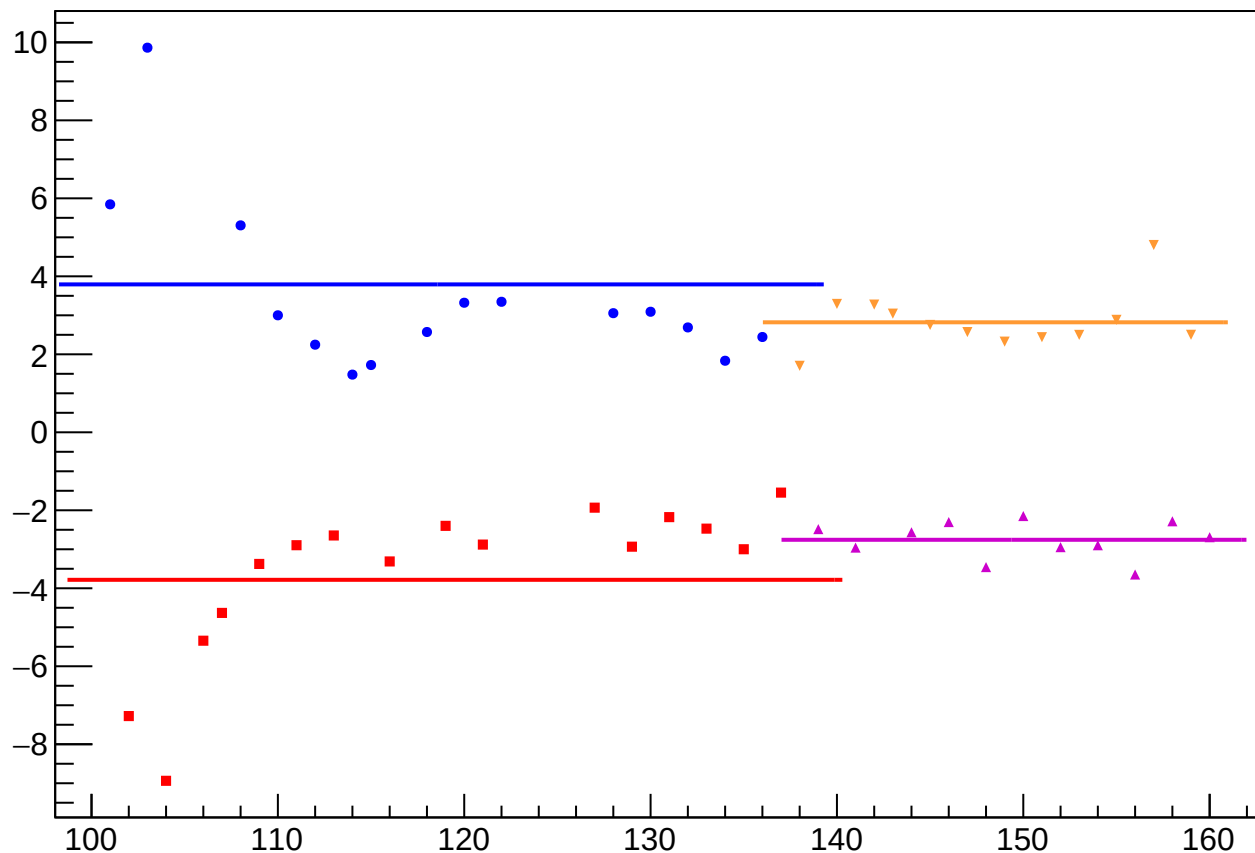
Right: -1.347+/-0.000 χ^2/NDF : 6737392391922205

In: 18.630+/-0.000 χ^2/NDF : 935227547229560147

Out: -16.420+/-0.000 χ^2/NDF : 8473003169479840

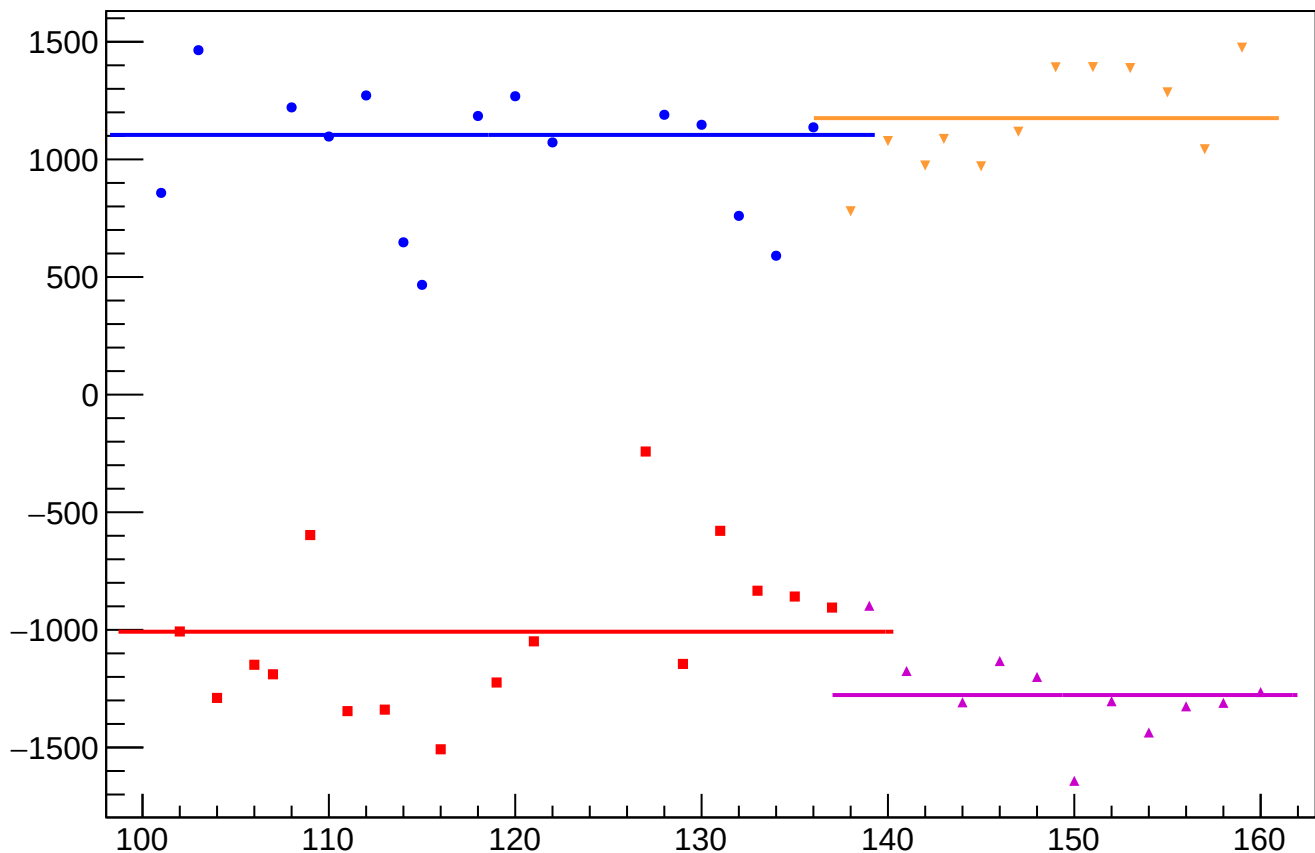
All: 1.044+/-0.000 χ^2/NDF : 18794892606633

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.793 $\pm$ 0.000 χ^2 /NDF: 3205389242726129619796290810413056.0/14
 Left Out: 2.821 $\pm$ 0.000 χ^2 /NDF: 493082555580785627275797679046656.0/11
 Right Out: -3.783 $\pm$ 0.000 χ^2 /NDF: 2878586622192676654452338755371008.0/15
 Left In: -2.757 $\pm$ 0.000 χ^2 /NDF: 191720746547732306226054042746880.0/10
 All: -0.007 $\pm$ 0.000 χ^2 /NDF: 3996925901016

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

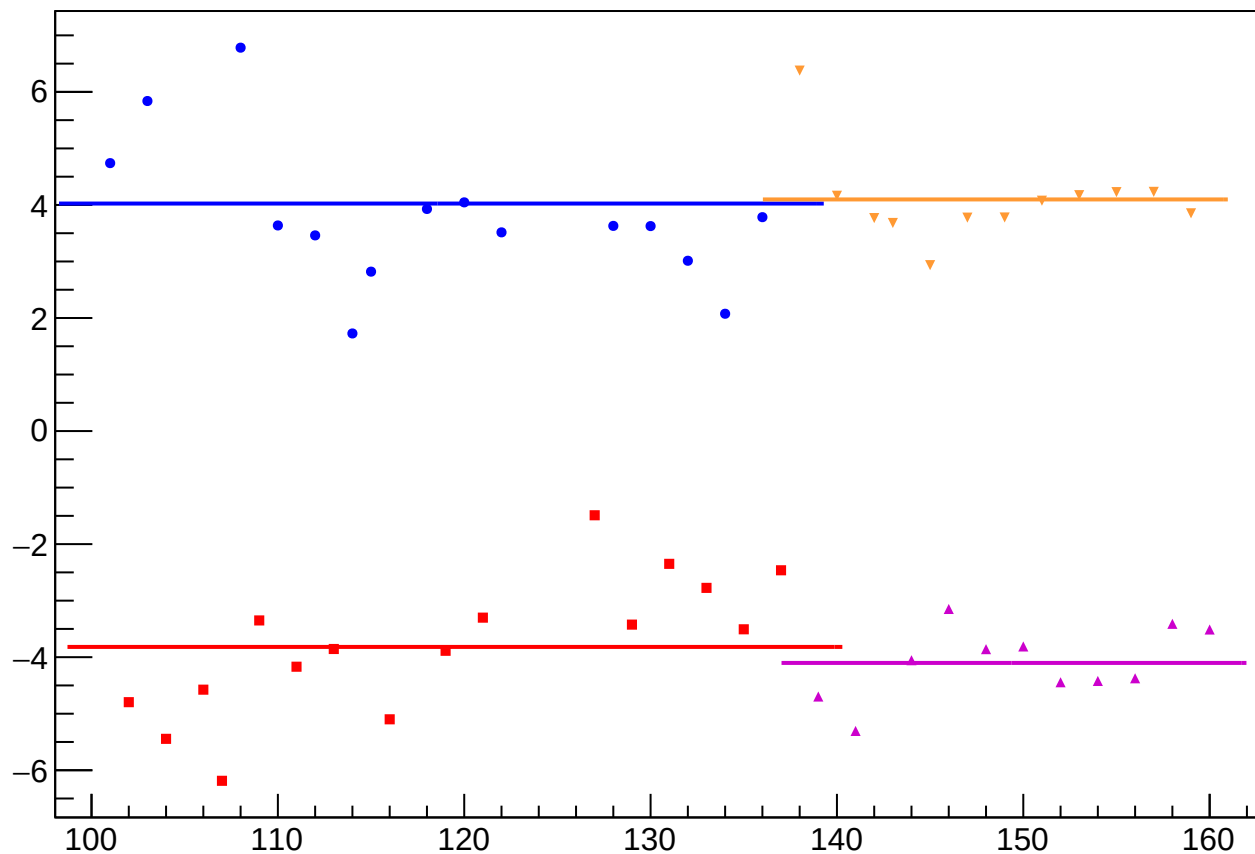
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

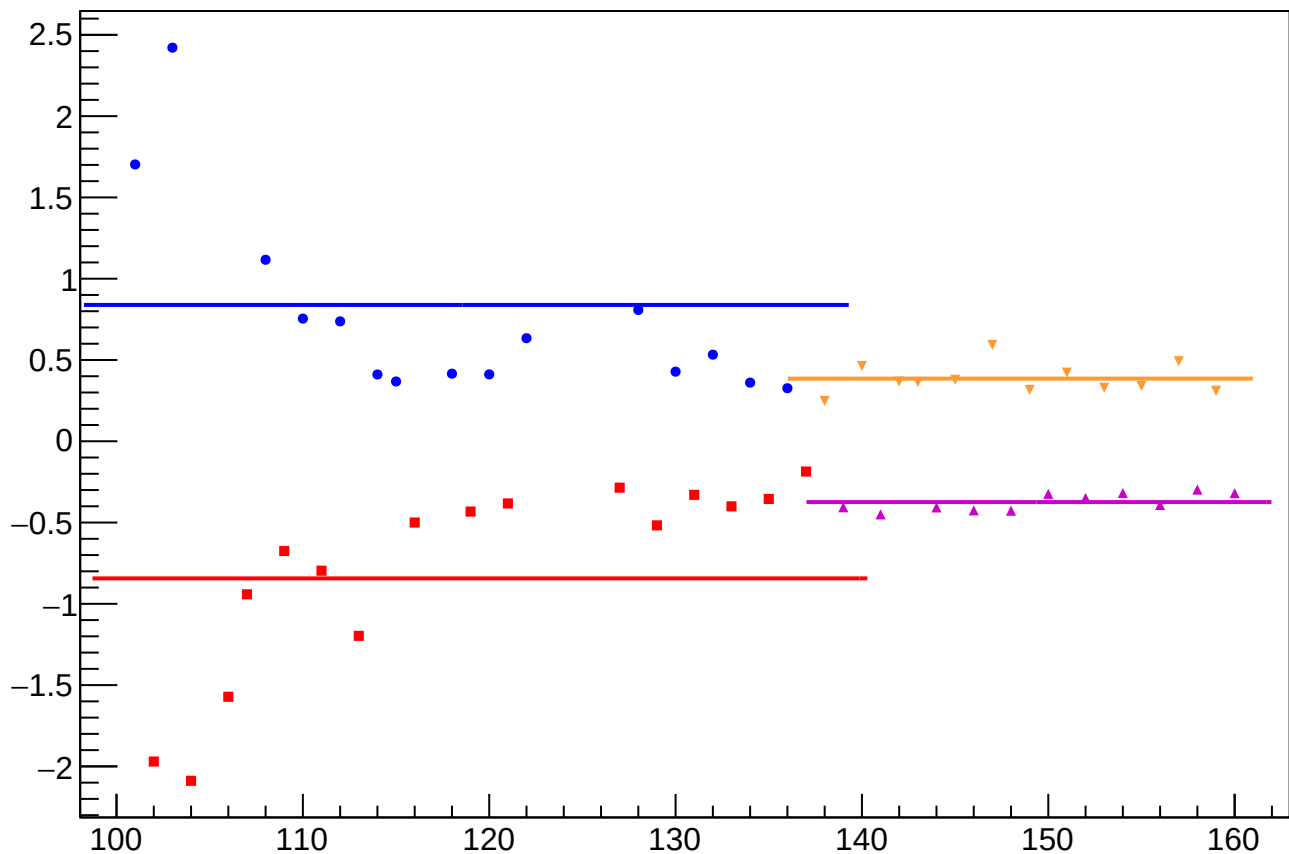
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025 ± 0.000 $\chi^2/\text{NDF}: 769001650442321928129473832550400.0/14$
 Left Out: 4.098 ± 0.000 $\chi^2/\text{NDF}: 556317927026663328650590815256576.0/11$
 Right Out: -3.819 ± 0.000 $\chi^2/\text{NDF}: 888232240226434329114859171479552.0/15$
 Left In: -4.102 ± 0.000 $\chi^2/\text{NDF}: 329978343606173709019066465779712.0/10$
 All: 0.010 ± 0.000 $\chi^2/\text{NDF}: 53722994028363$

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839+/-0.000

χ^2/NDF : 258416025334615661521163083841536.0/14

Left Out: 0.385+/-0.000

χ^2/NDF : 7658632015844553503510259302400.0/11

Right Out: -0.844+/-0.000

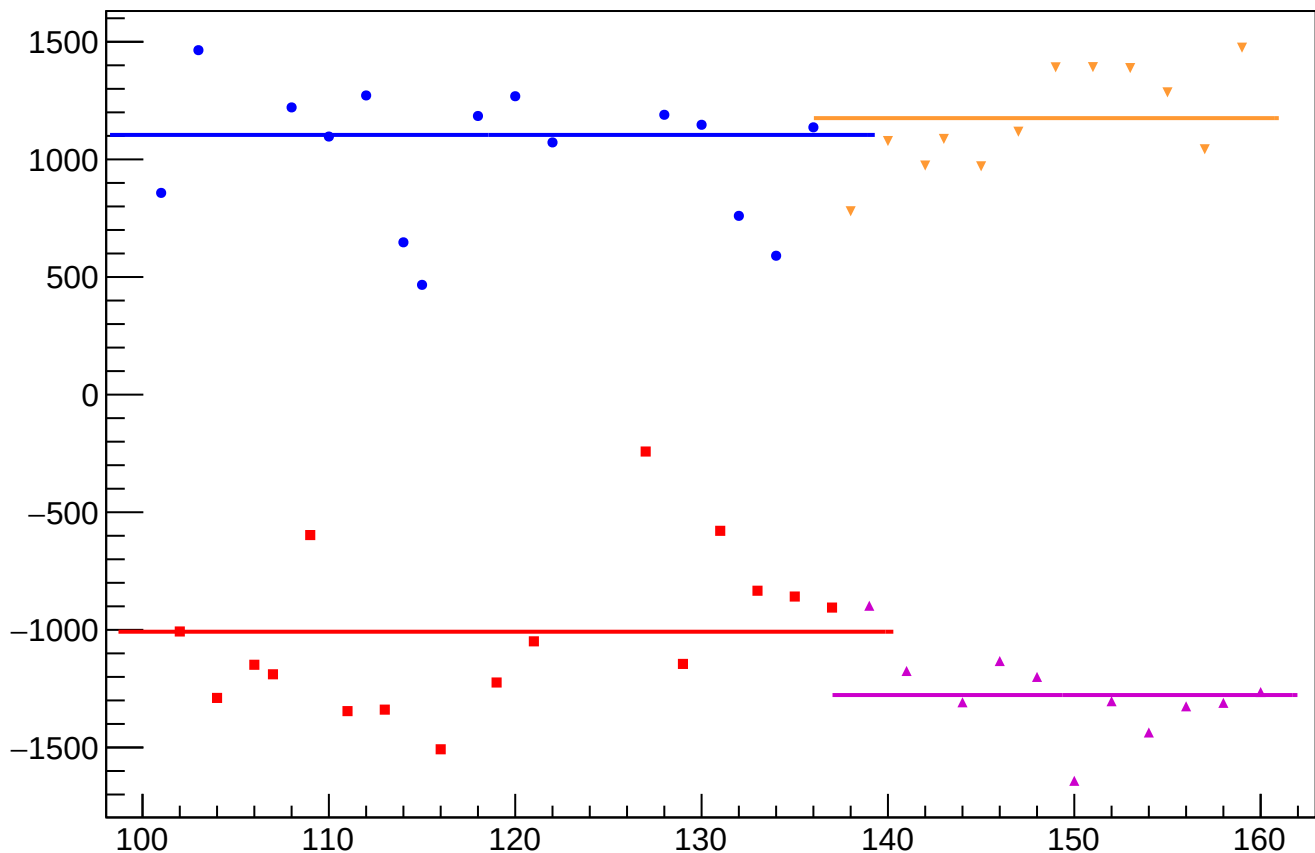
χ^2/NDF : 252917509393432760240648918925312.0/15

Left In: -0.374+/-0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

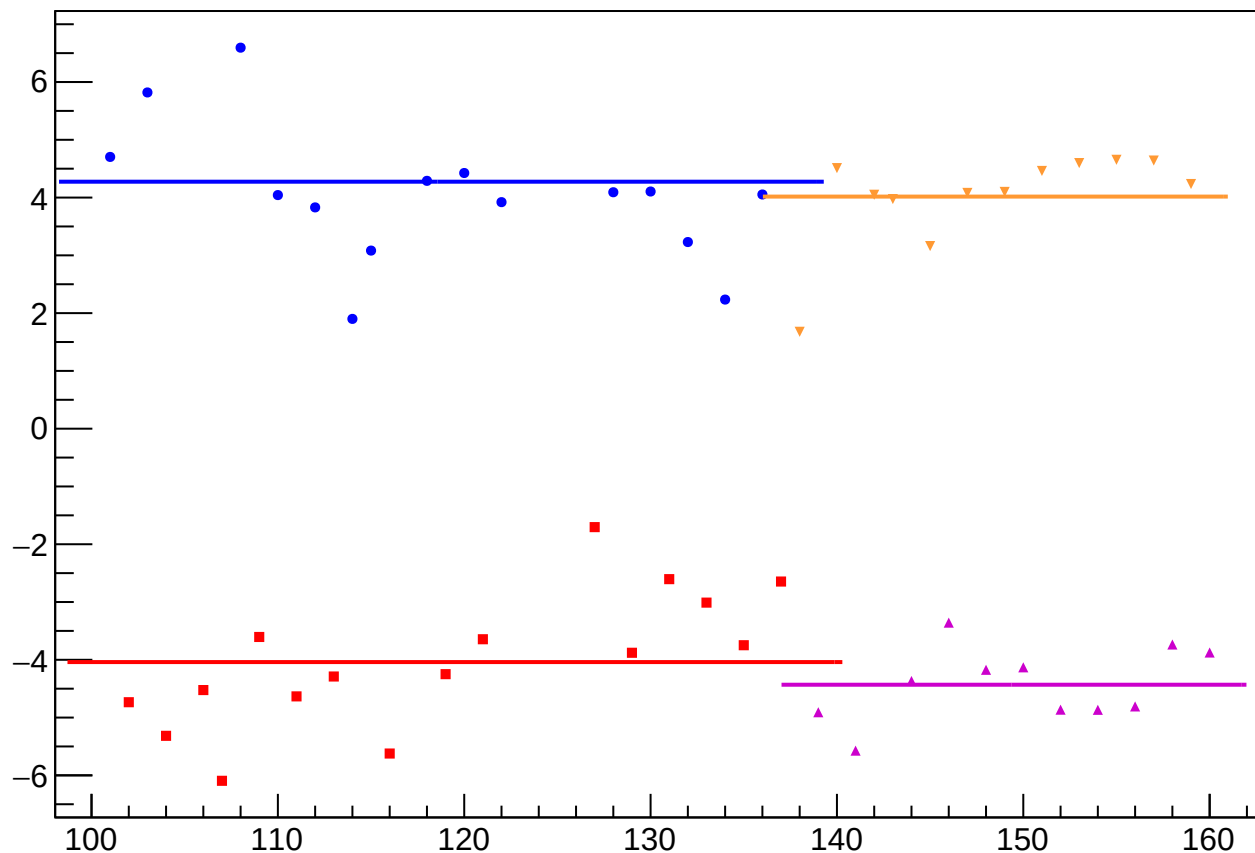
All: -0.003+/-0.000 χ^2/NDF : 1717963471846

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



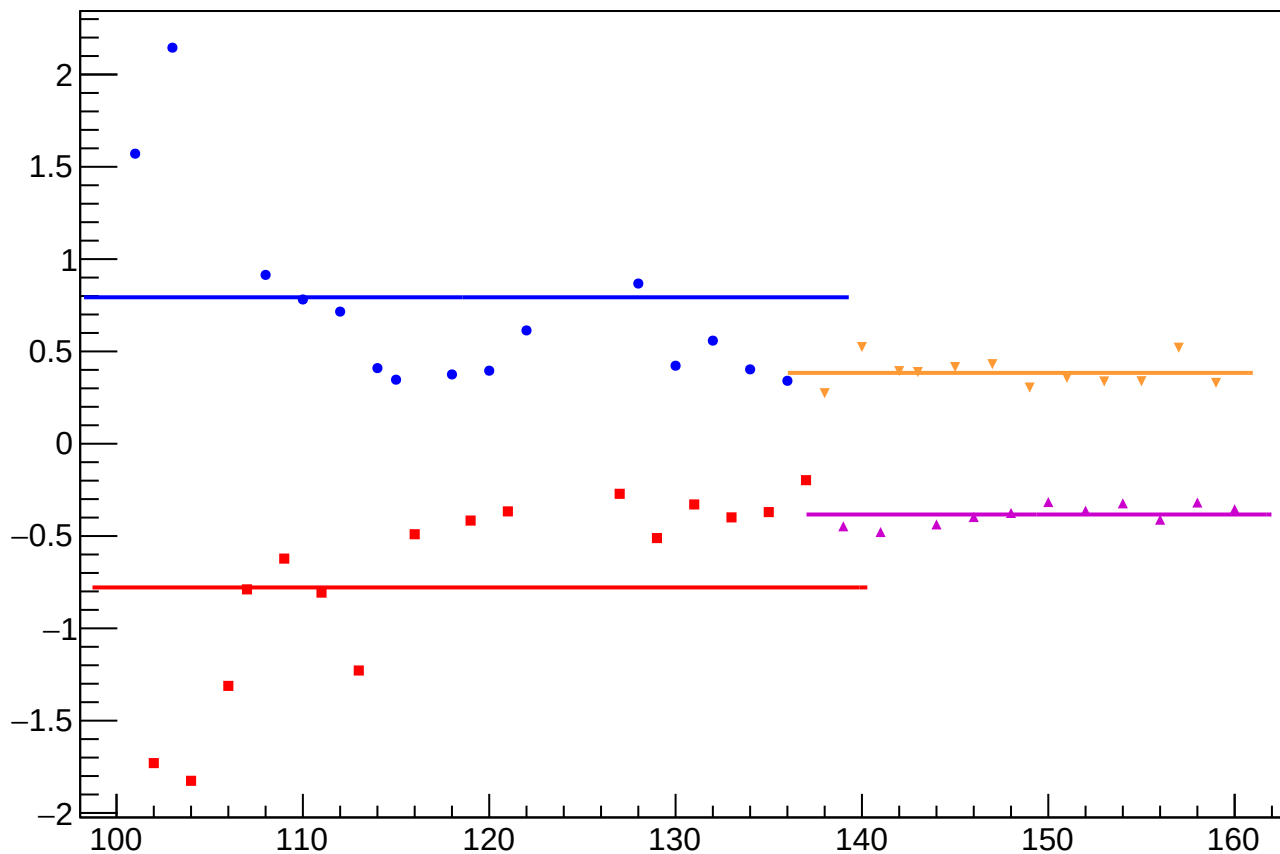
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_4eY_coil3_mean vs Slug, Sign Corrected



Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.017 ± 0.000 $\chi^2/\text{NDF}: 618248057516763535647221148024832.0/11$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.432 ± 0.000 $\chi^2/\text{NDF}: 345602703191245770554210363899904.0/10$
 All: -0.105 ± 0.000 $\chi^2/\text{NDF}: 5798588816900$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



Left: -0.001 +/- 0.000 χ^2/NDF : 27885771239610807

Right In: 0.793 +/- 0.000 χ^2/NDF : 195508777173589483440314700005376.0/14

Right: -0.003 +/- 0.000 χ^2/NDF : 1193841006449656

Left Out: 0.384 +/- 0.000 χ^2/NDF : 5453192114665634094551262035968.0/11

In: 0.102 +/- 0.000 χ^2/NDF : 7258405978340592610

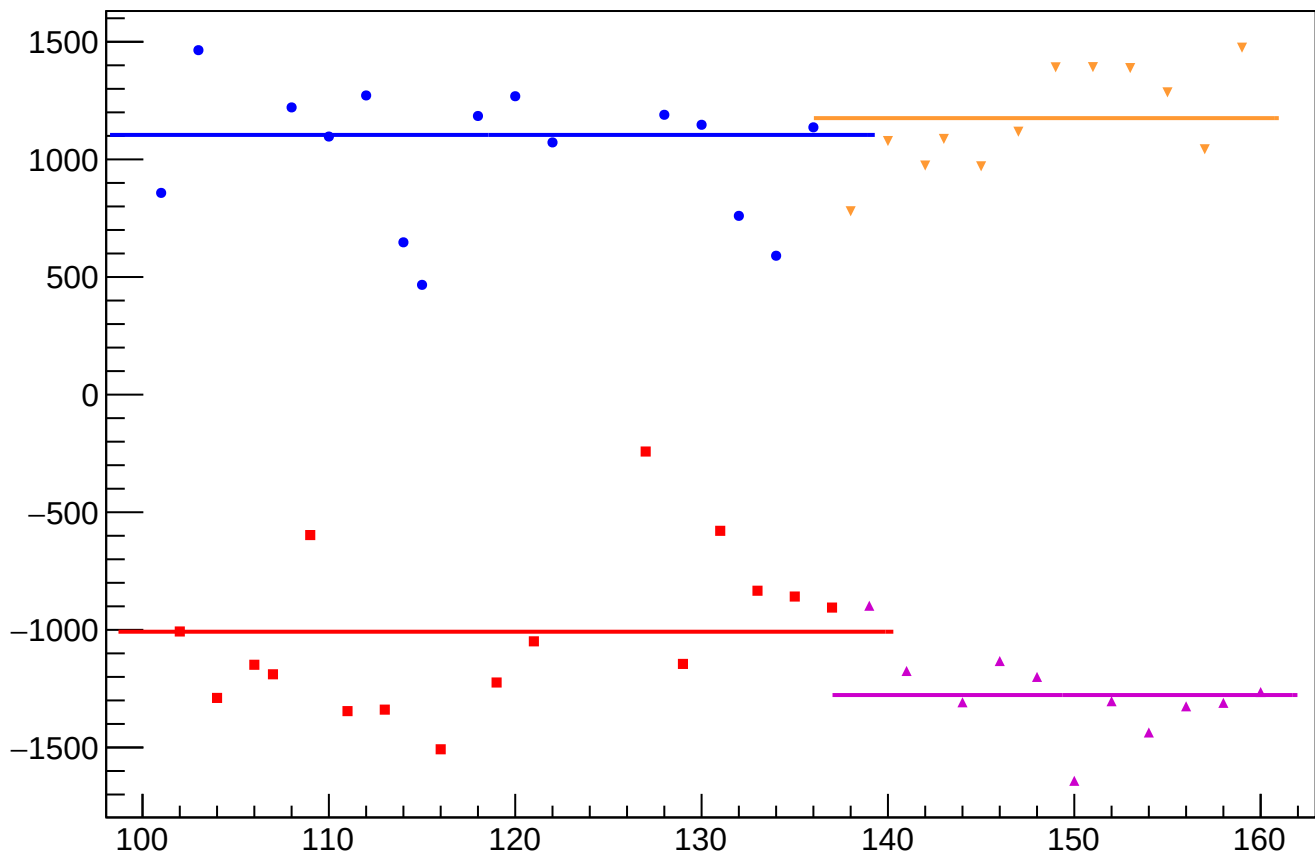
Right Out: -0.778 +/- 0.000 χ^2/NDF : 185814635772183306063903690063872.0/15

Out: -0.106 +/- 0.000 χ^2/NDF : 71279654868579041

Left In: -0.383 +/- 0.000 χ^2/NDF : 2618375268437967875049691021312.0/10

All: -0.002 +/- 0.000 χ^2/NDF : 1472702124552

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

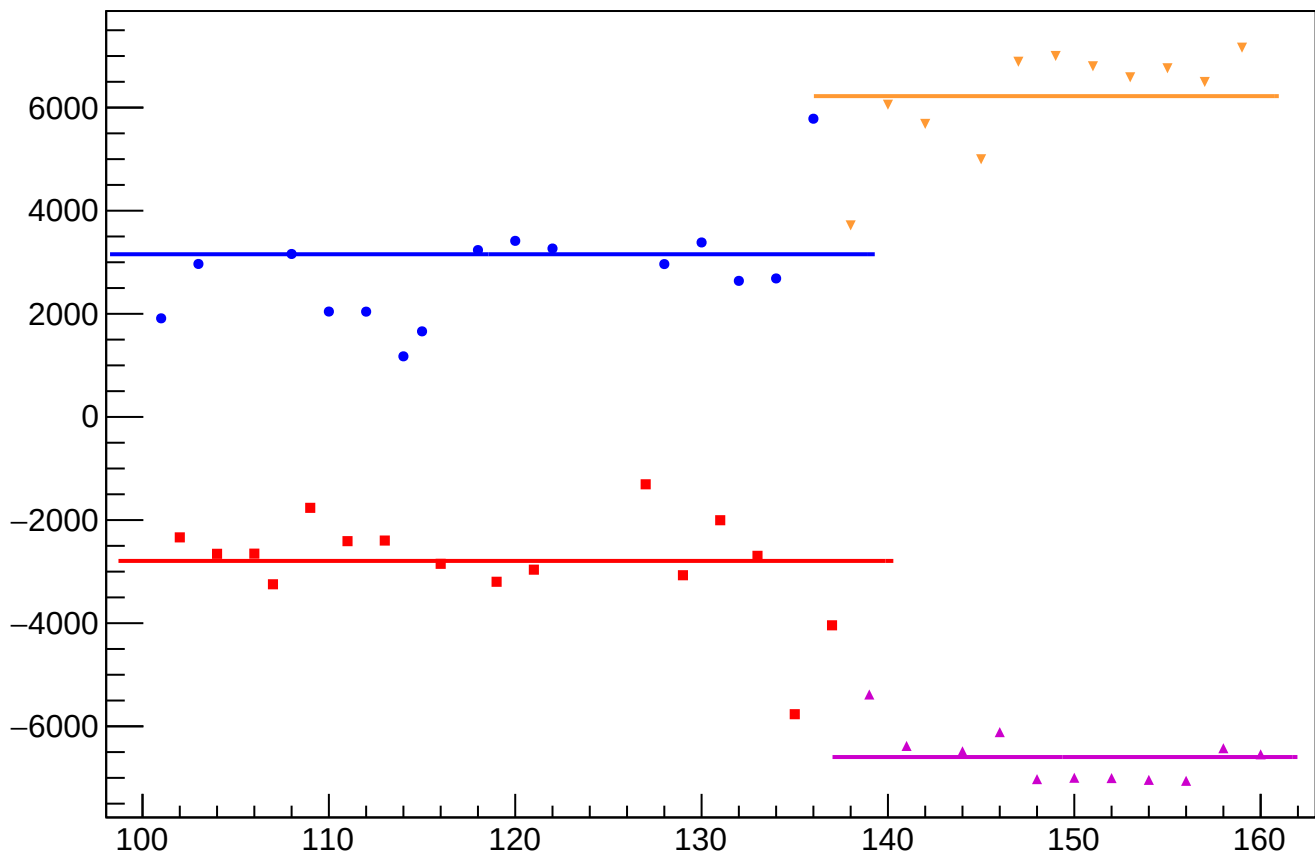
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

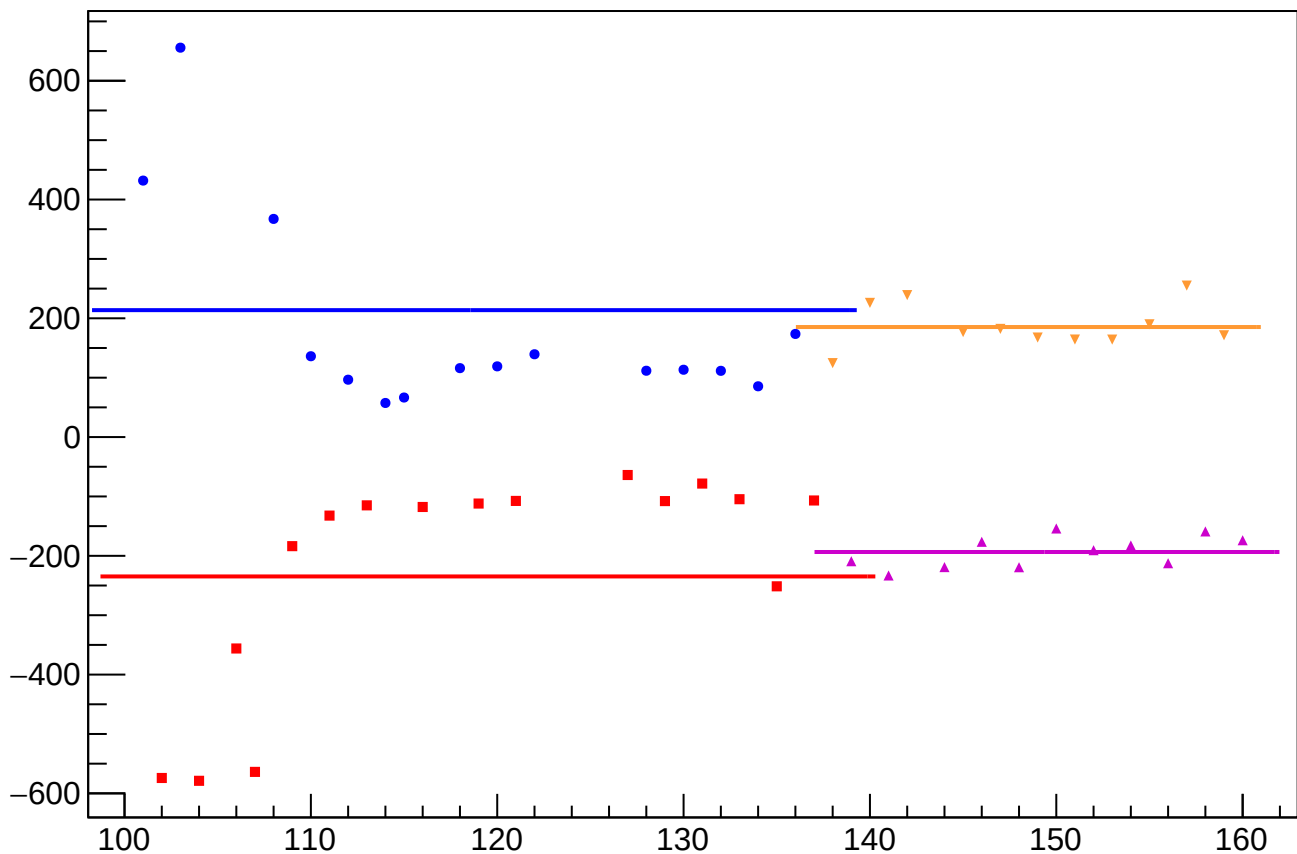
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_usl_coil3_mean vs Slug, Sign Corrected



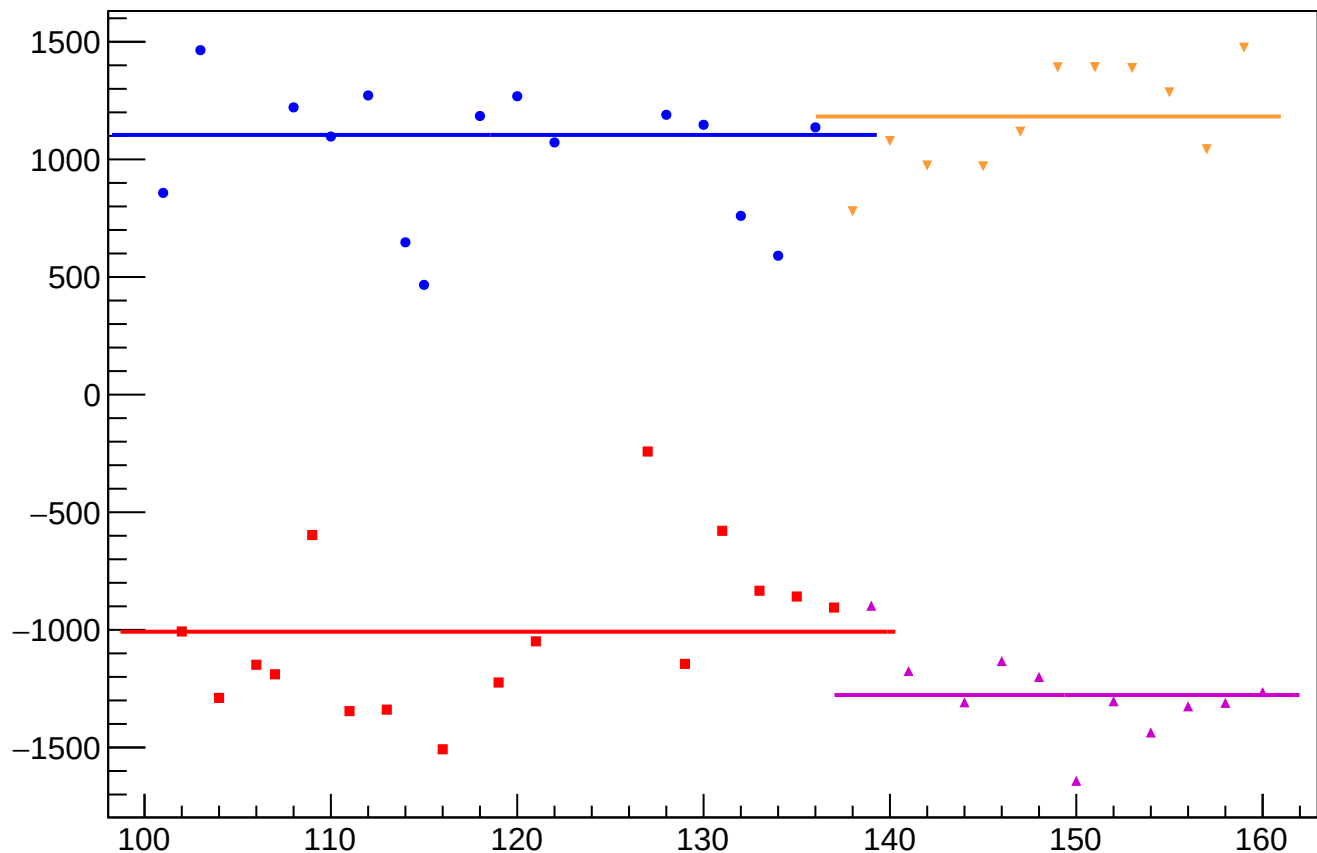
Right In: 3155.434+/-0.000	χ^2/NDF : 903550534773622902110918214033612996608.0/14	Left: -454.300+/-0.000	χ^2/NDF : 738136150924578
Left Out: 6221.938+/-0.000	χ^2/NDF : 849977473152285312907595623686819807232.0/10	Right: 140.919+/-0.000	χ^2/NDF : 132143468168130
Right Out: -2792.245+/-0.000	χ^2/NDF : 674635749324173001973264427530986717184.0/15	In: -2572.599+/-0.000	χ^2/NDF : 373790912122959
Left In: -6595.861+/-0.000	χ^2/NDF : 225164805715400368671043826745864093696.0/10	Out: 2258.550+/-0.000	χ^2/NDF : 318923154696121
	All: -200.802+/-0.000		χ^2/NDF : 87295634683

dit_usl_coil3_err_mean vs Slug, Sign Corrected



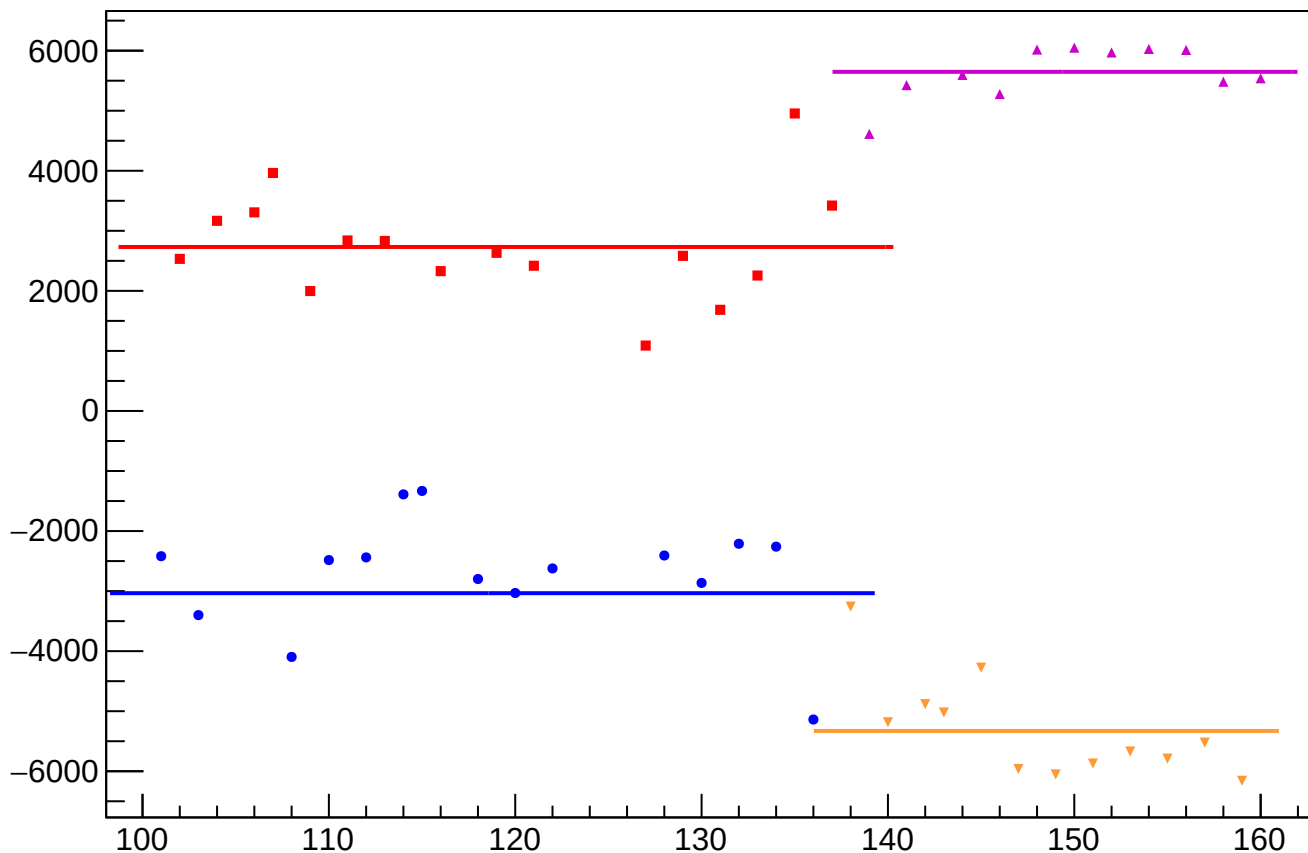
Left: -12.027 +/- 0.000 χ^2/NDF : 6520096149160952
 Right: -13.554 +/- 0.000 χ^2/NDF : 109883652295878
 In: -25.504 +/- 0.000 χ^2/NDF : 83555095892474159
 Out: 0.623 +/- 0.000 χ^2/NDF : 910041654687013277
 All: -12.677 +/- 0.000 χ^2/NDF : 175086374280

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1182.447+/-0.000 χ^2/NDF : 39401916671919600348661592701888626688.0/10
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -42.286+/-0.000 χ^2/NDF : 432950679043

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527+/-0.000

Left Out: -5328.796+/-0.000

Right Out: 2731.035+/-0.000

Left In: 5647.632+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 624360364489310892896763337628232712192.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 164214312908035645215126356935491715072.0/10

Left: 180.286+/-0.000 χ^2/NDF : 5623960543067202

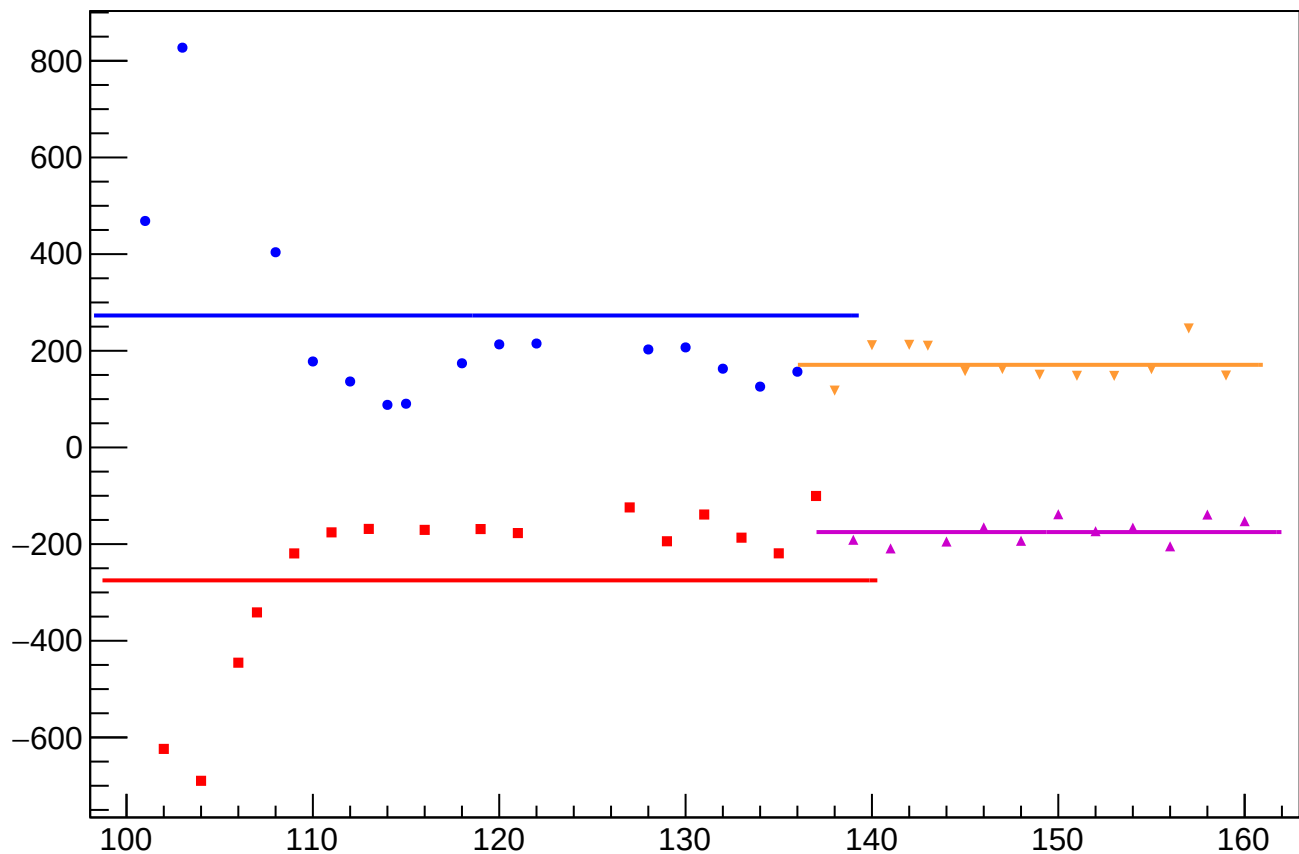
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 2065.482+/-0.000 χ^2/NDF : 2953204271382502

Out: -1934.916+/-0.000 χ^2/NDF : 26236367057963

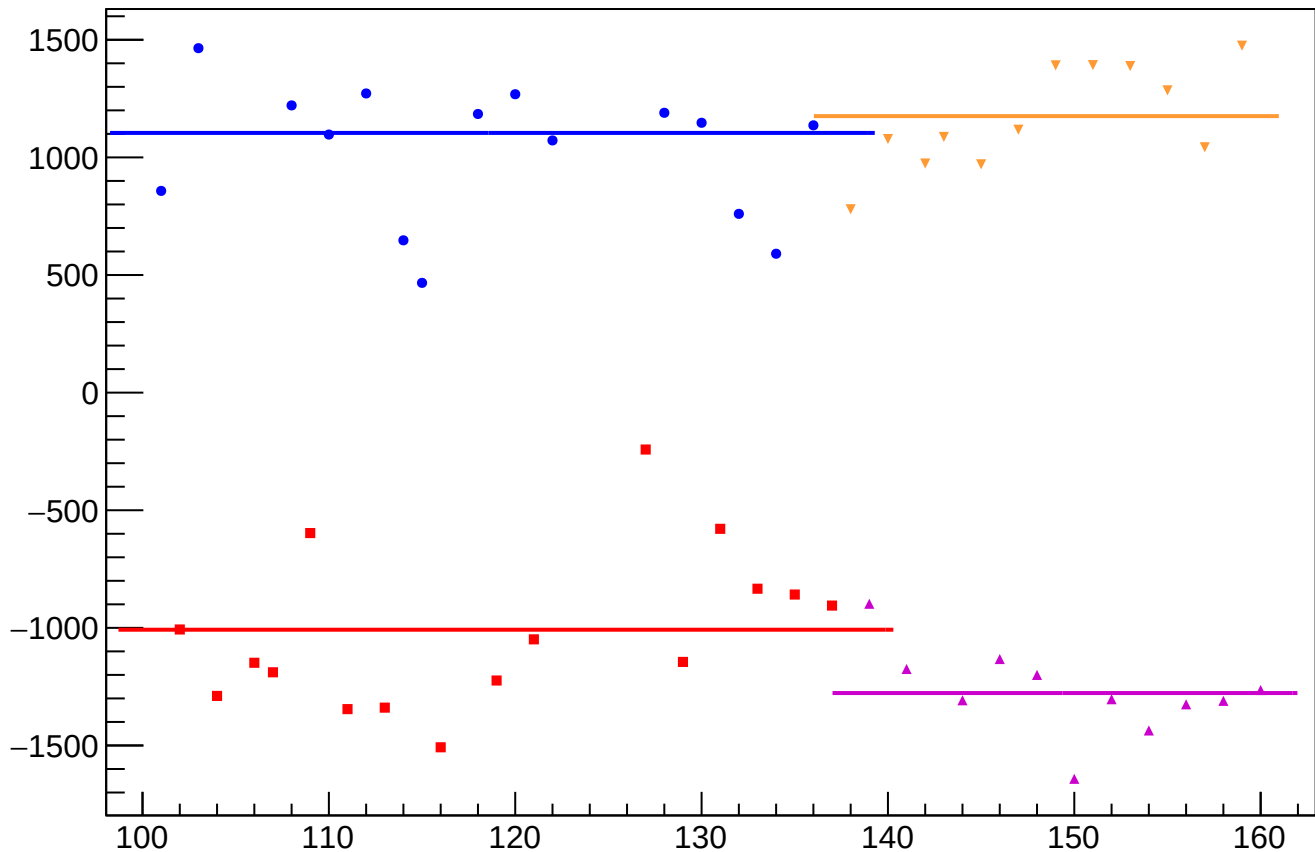
All: 58.314+/-0.000 χ^2/NDF : 6839876914332

dit_usr_coil3_err_mean vs Slug, Sign Corrected



Right In: 273.039+/-0.000 χ^2/NDF : 26485935053341175092913795212184125440.0/14
 Left Out: 170.956+/-0.000 χ^2/NDF : 1172503860973970615331214508834160640.0/11
 Right Out: -275.044+/-0.000 χ^2/NDF : 22264760088752901792561892991657050112.0/15
 Left In: -175.100+/-0.000 χ^2/NDF : 532319905760316522814470909096624128.0/10
 All: -3.572+/-0.000 χ^2/NDF : 2043863140361

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

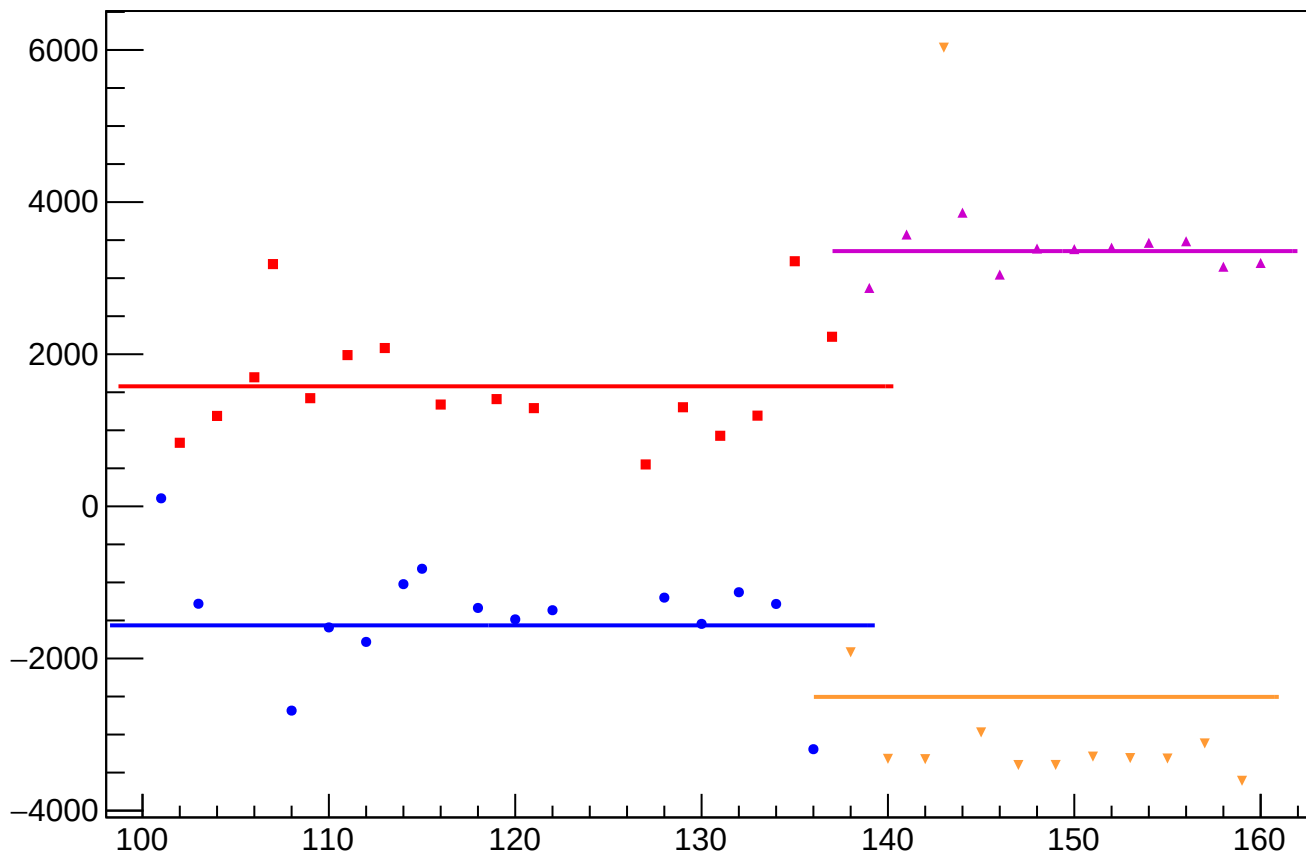
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1564.595+/-0.000

Left Out: -2504.960+/-0.000

Right Out: 1578.178+/-0.000

Left In: 3355.712+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5422497697613230212283297952400402284544.0/11

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 61603128430044333980990125877093203968.0/10

Left: 436.518+/-0.000 χ^2/NDF : 2129229946412922

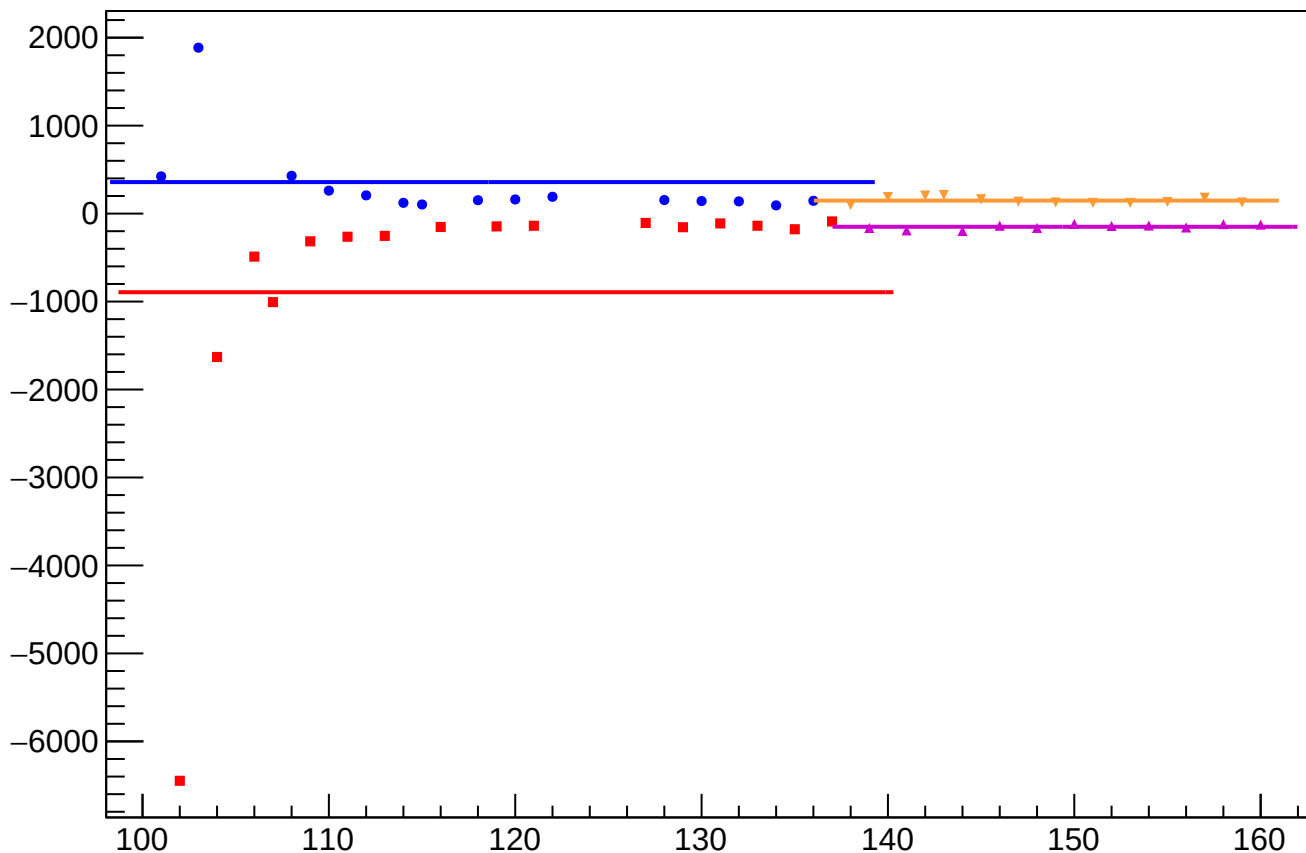
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1325.655+/-0.000 χ^2/NDF : 977485555761575

Out: -785.608+/-0.000 χ^2/NDF : 122286097015398

All: 266.345+/-0.000 χ^2/NDF : 255214523753

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



Right In: 358.080+/-0.000

χ^2/NDF : 157922789145697858165644452090202816512.0/14

Left Out: 147.874+/-0.000

χ^2/NDF : 1073020519575473807448825753294077952.0/11

Right Out: -893.897+/-0.000

χ^2/NDF : 2075920155774201043572695656797803905024.0/15

Left In: -149.829+/-0.000

χ^2/NDF : 645756718172892804384604635004928000.0/10

Left: -1.543+/-0.000 χ^2/NDF : 42508644529911426

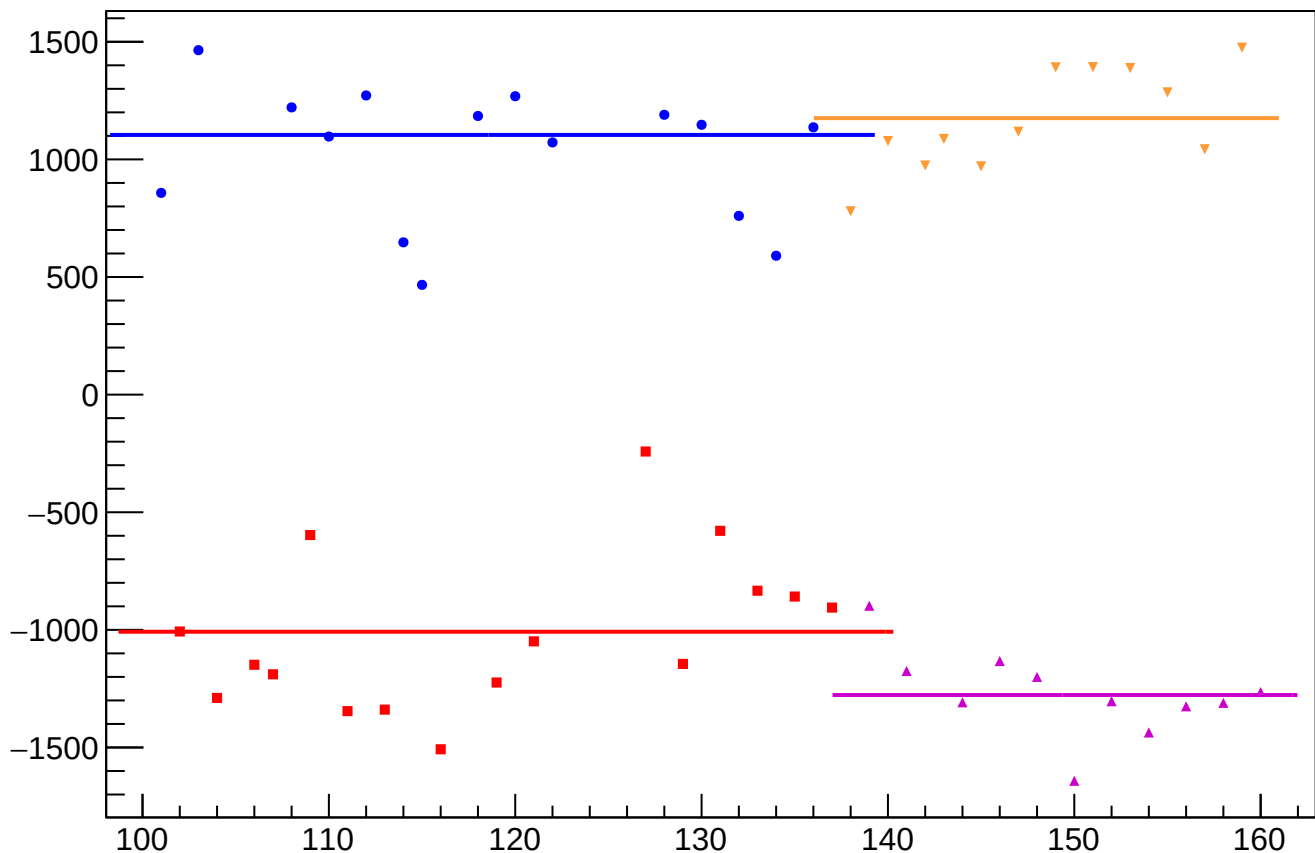
Right: -276.471+/-0.000 χ^2/NDF : 27494361834519

In: 59.728+/-0.000 χ^2/NDF : 256915077992105325

Out: -290.801+/-0.000 χ^2/NDF : 249606092655030

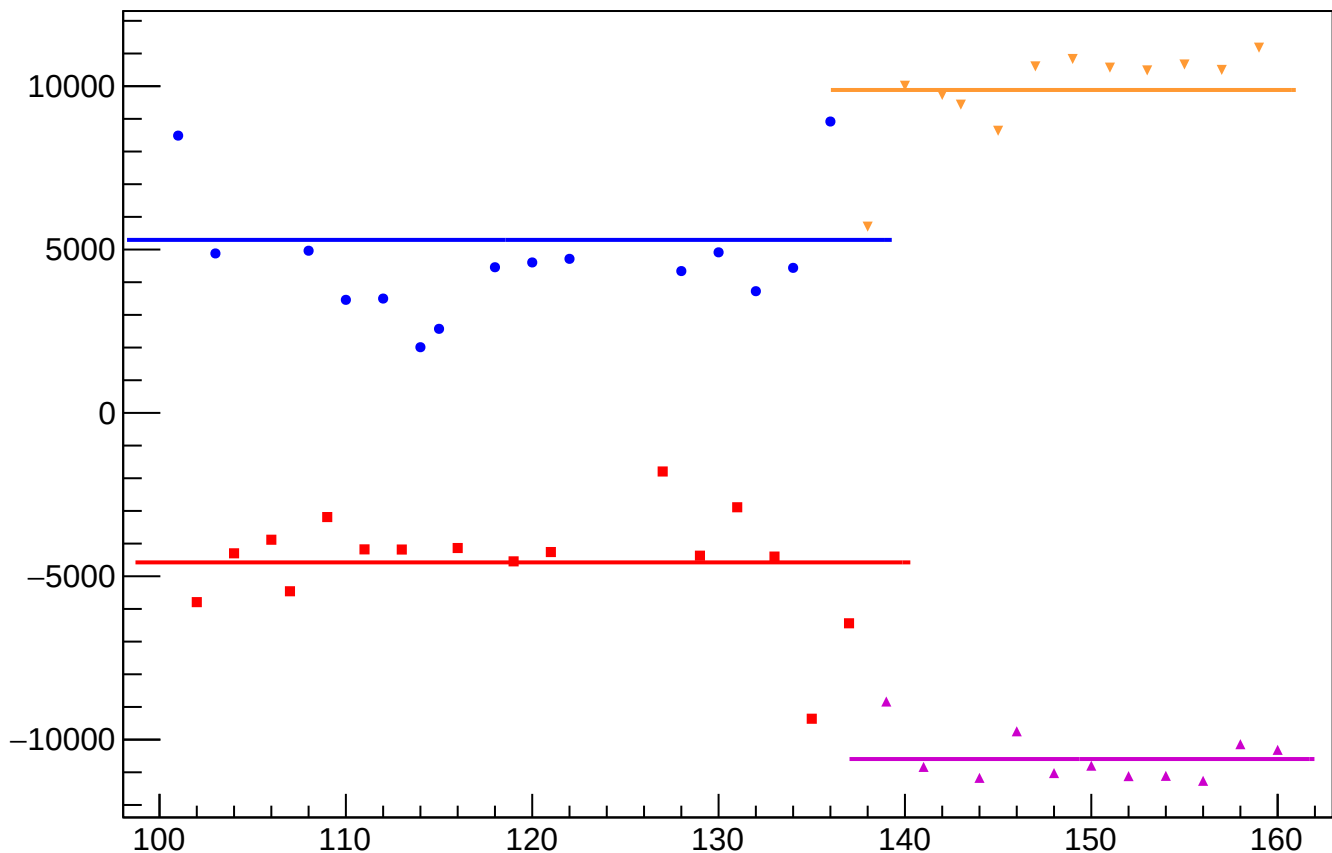
All: -116.147+/-0.000 χ^2/NDF : 28499505144

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



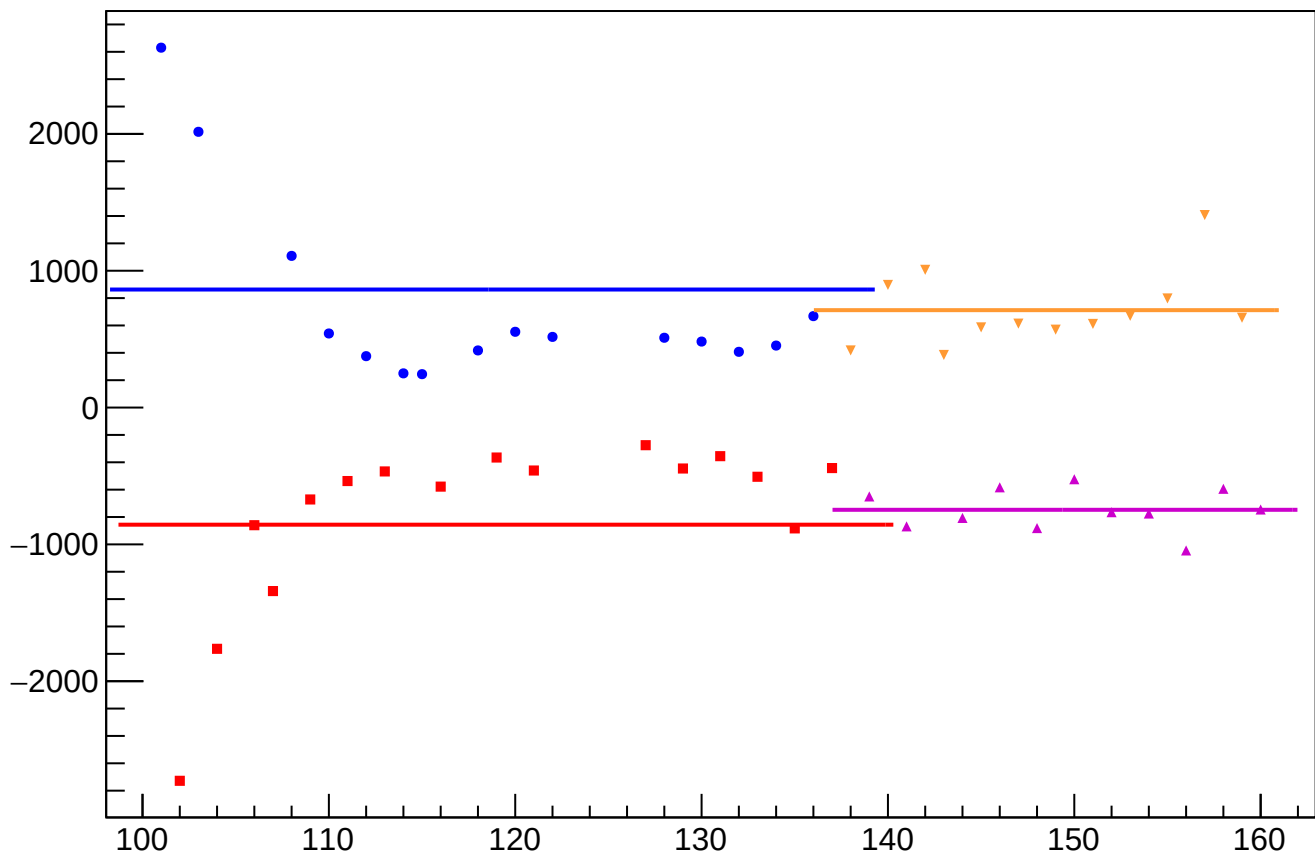
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5295.485+/-0.000 χ^2/NDF : 2505645232968263275444048016093183213568.0/14
 Left Out: 9883.978+/-0.000 χ^2/NDF : 1902428891005248408553336449765040193536.0/11
 Right Out: -4575.270+/-0.000 χ^2/NDF : 1863322094770403739096100800072716910592.0/15
 Left In: -10594.095+/-0.000 χ^2/NDF : 469955671378487676963254464485150162944.0/10
 All: -107.783+/-0.000 χ^2/NDF : 23215590234

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 862.683 +/- 0.000

χ^2/NDF : 337684000863819315026459106525759668224.0/14

Left Out: 711.884 +/- 0.000

χ^2/NDF : 64392508404620992008761939417708363776.0/11

Right Out: -856.059 +/- 0.000

χ^2/NDF : 327195216546444767148716224688288694272.0/15

Left In: -747.275 +/- 0.000

χ^2/NDF : 19678847395727730098310642242030665728.0/10

Left: -20.470 +/- 0.000 χ^2/NDF : 1063996578023286

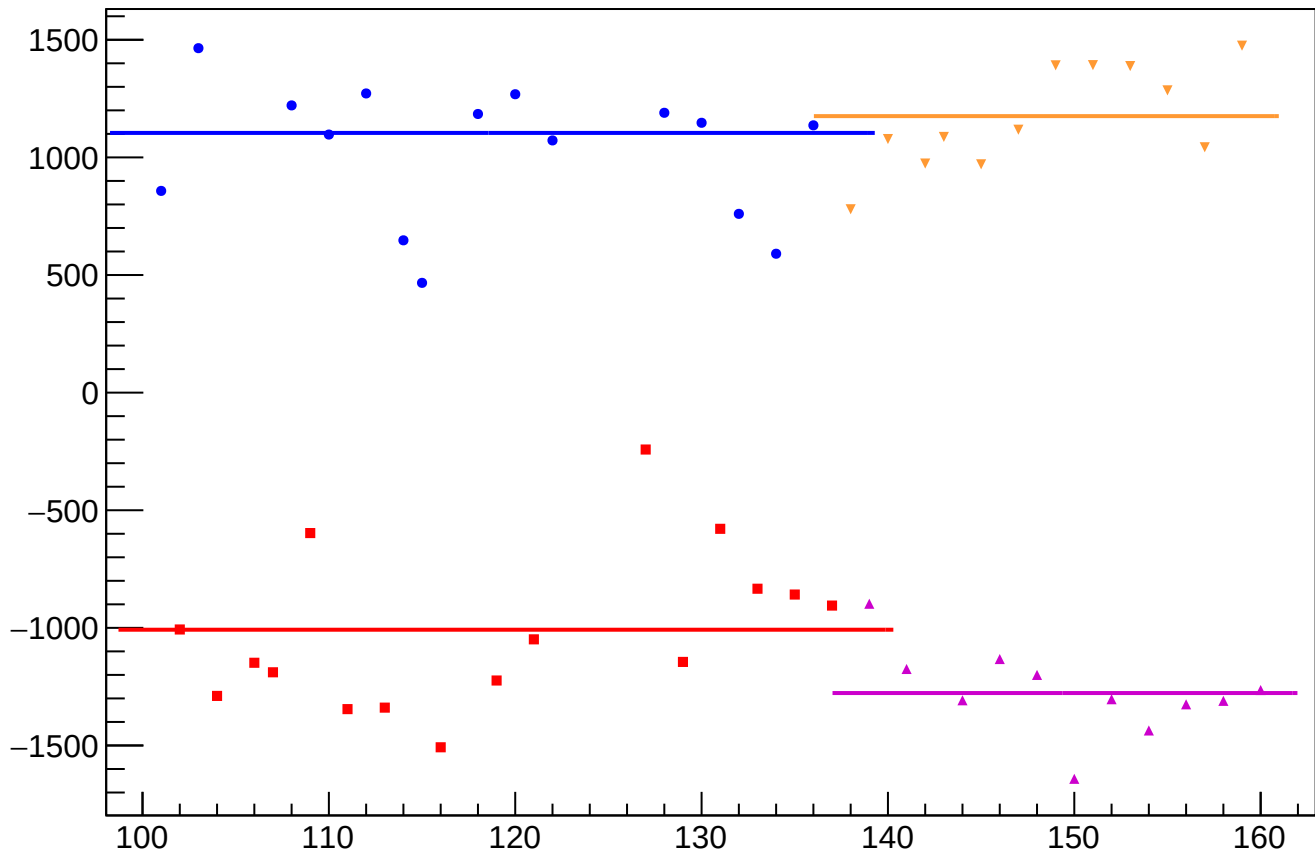
Right: -8.442 +/- 0.000 χ^2/NDF : 1636587396882894

In: -83.027 +/- 0.000 χ^2/NDF : 13454995318402178

Out: 51.646 +/- 0.000 χ^2/NDF : 13408812979789570

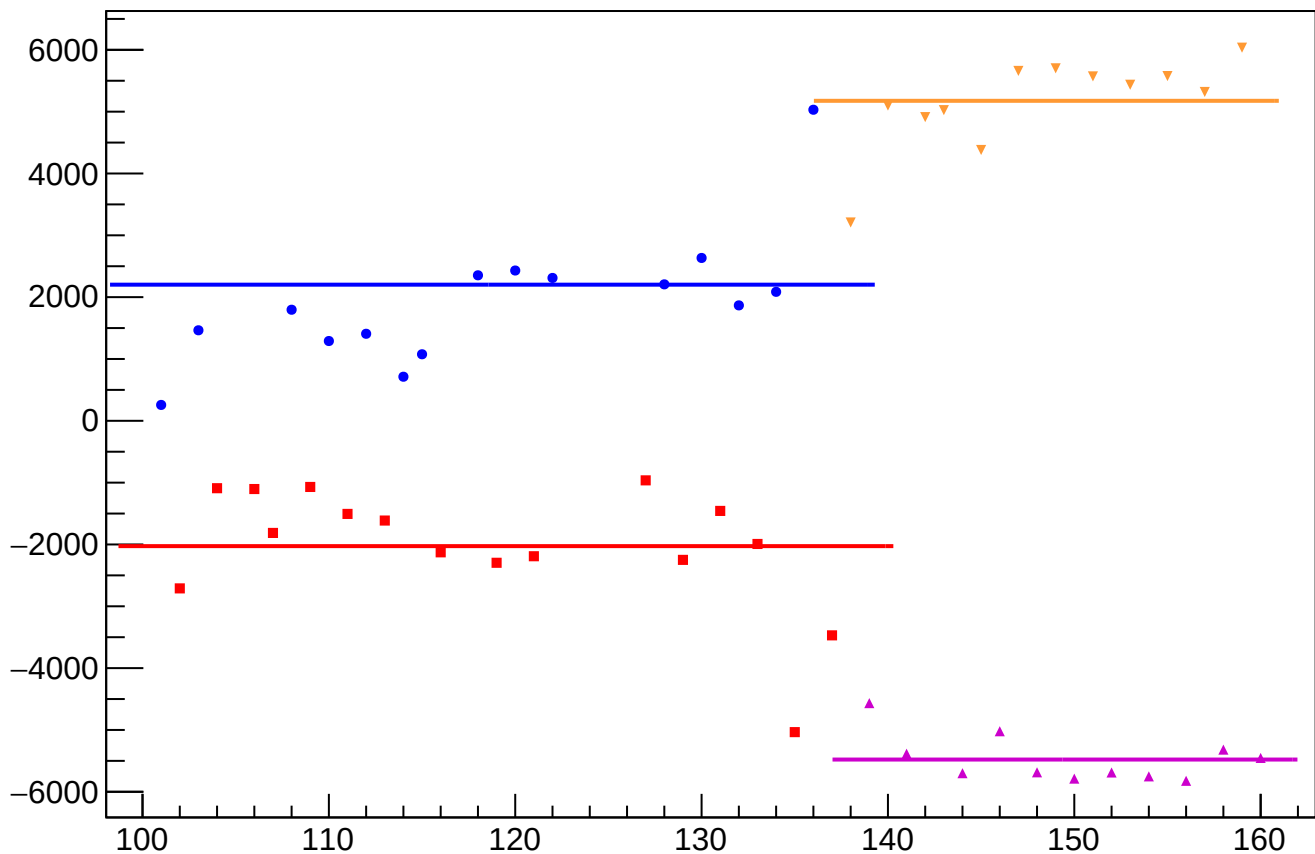
All: -15.456 +/- 0.000 χ^2/NDF : 270069498605

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



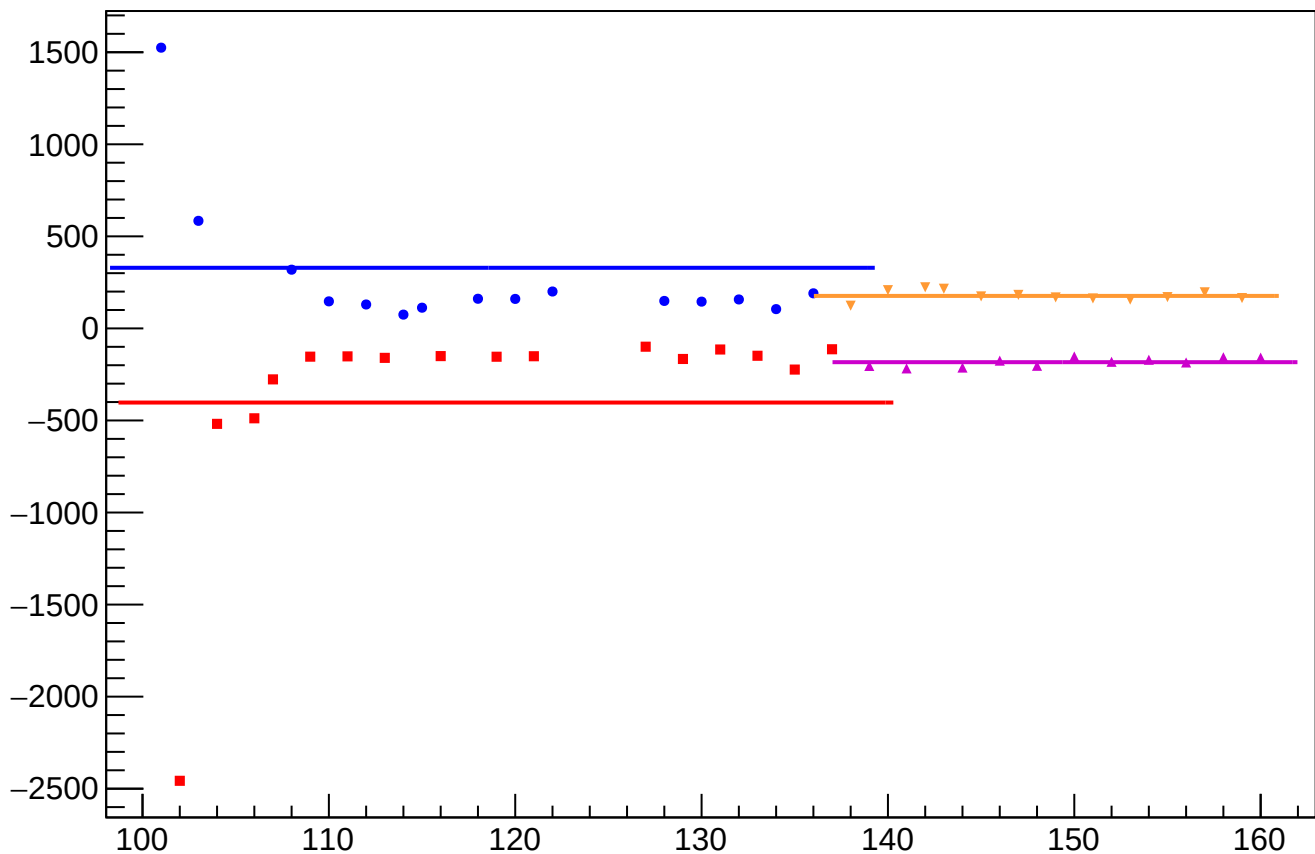
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_atr1_coil3_mean vs Slug, Sign Corrected



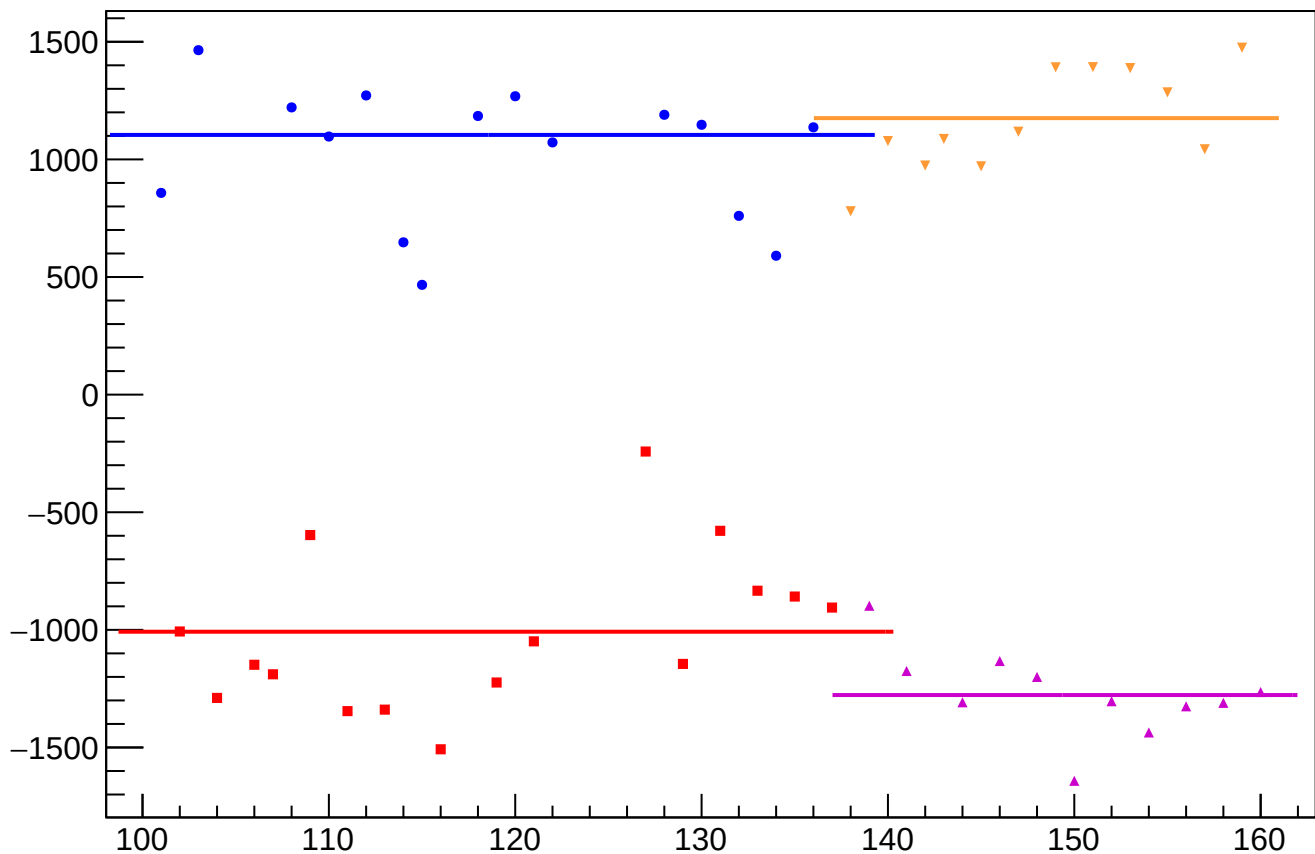
Right In: 2201.844 ± 0.000 $\chi^2/\text{NDF}: 1086544775216266395419904724422998622208.0/14$
 Left Out: 5175.489 ± 0.000 $\chi^2/\text{NDF}: 491163082398861244777680604445322248192.0/11$
 Right Out: -2026.969 ± 0.000 $\chi^2/\text{NDF}: 708626456603410705124518299956645199872.0/15$
 Left In: -5478.713 ± 0.000 $\chi^2/\text{NDF}: 124186054771424011873849346802583601152.0/10$
 All: -75.831 ± 0.000 $\chi^2/\text{NDF}: 605767549584$

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229+/-0.000 χ^2/NDF : 103285029091922742033837903437132464128.0/14
 Left Out: 176.521+/-0.000 χ^2/NDF : 603954020649542809657845120778633216.0/11
 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: -19.806+/-0.000 χ^2/NDF : 618902446479

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478 $\pm$ 0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906 $\pm$ 0.000

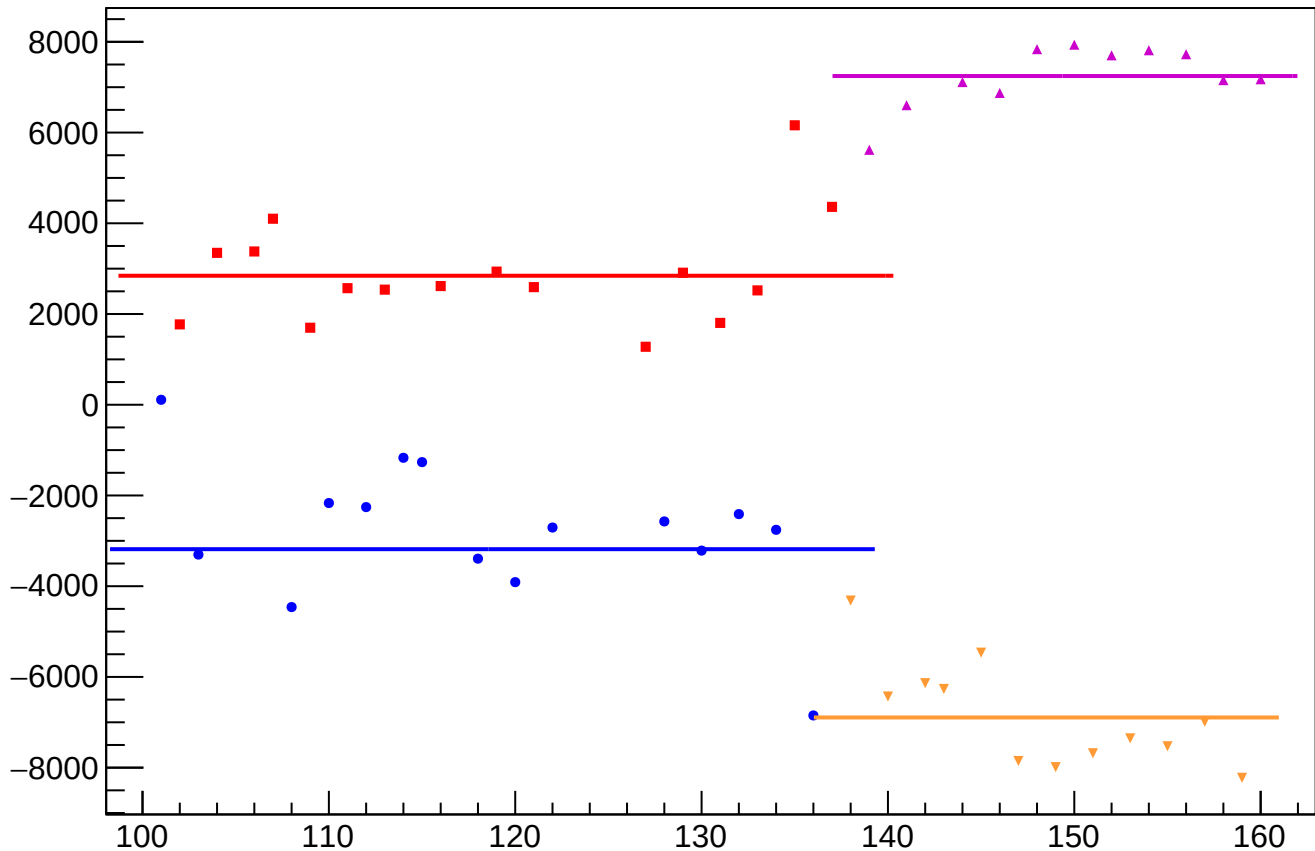
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097 $\pm$ 0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

All: -18.318 $\pm$ 0.000 χ^2/NDF : 441314646270

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6893.642+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1166796992551395591900489719368617295872.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.020+/-0.000 χ^2/NDF : 9358372073550295

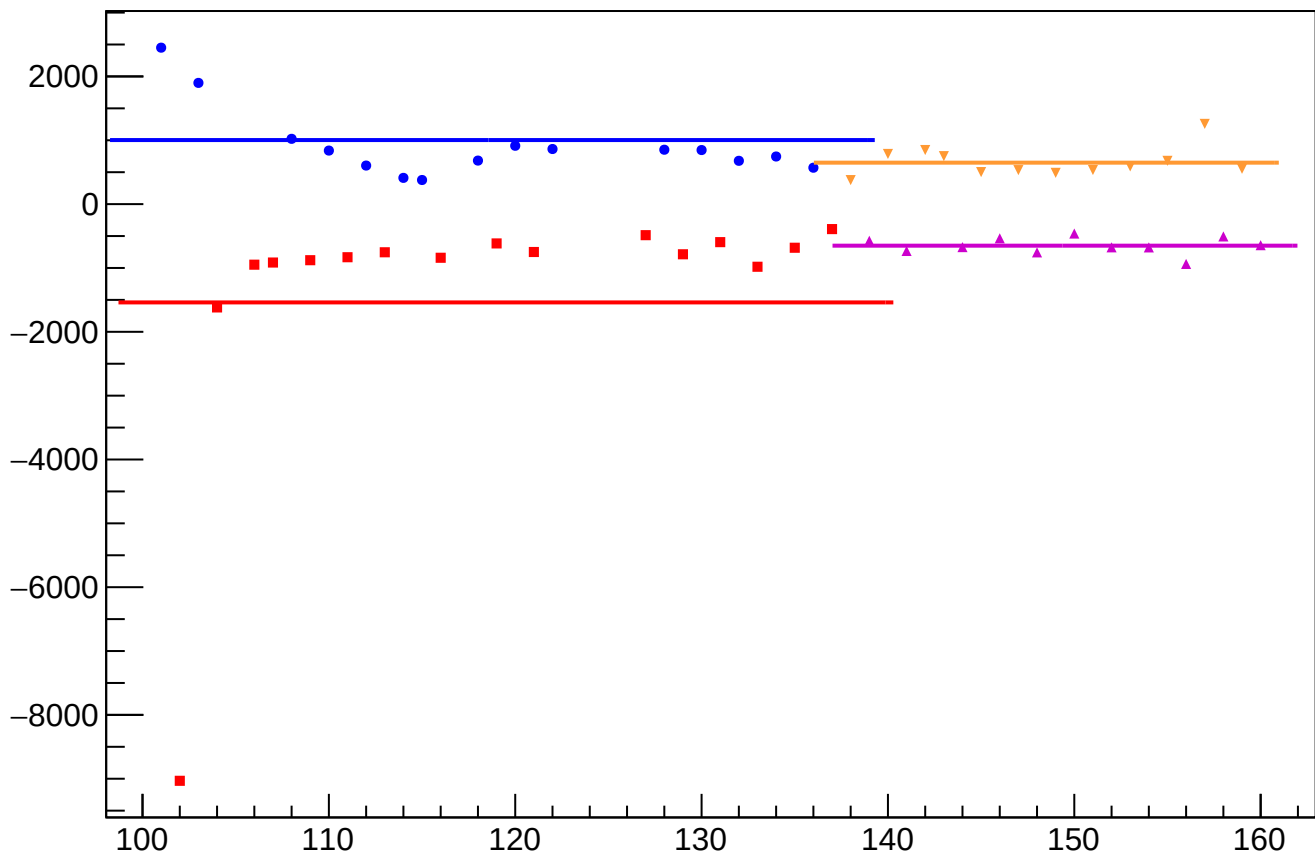
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 4400762301393366

Out: -2793.428+/-0.000 χ^2/NDF : 38724876379367

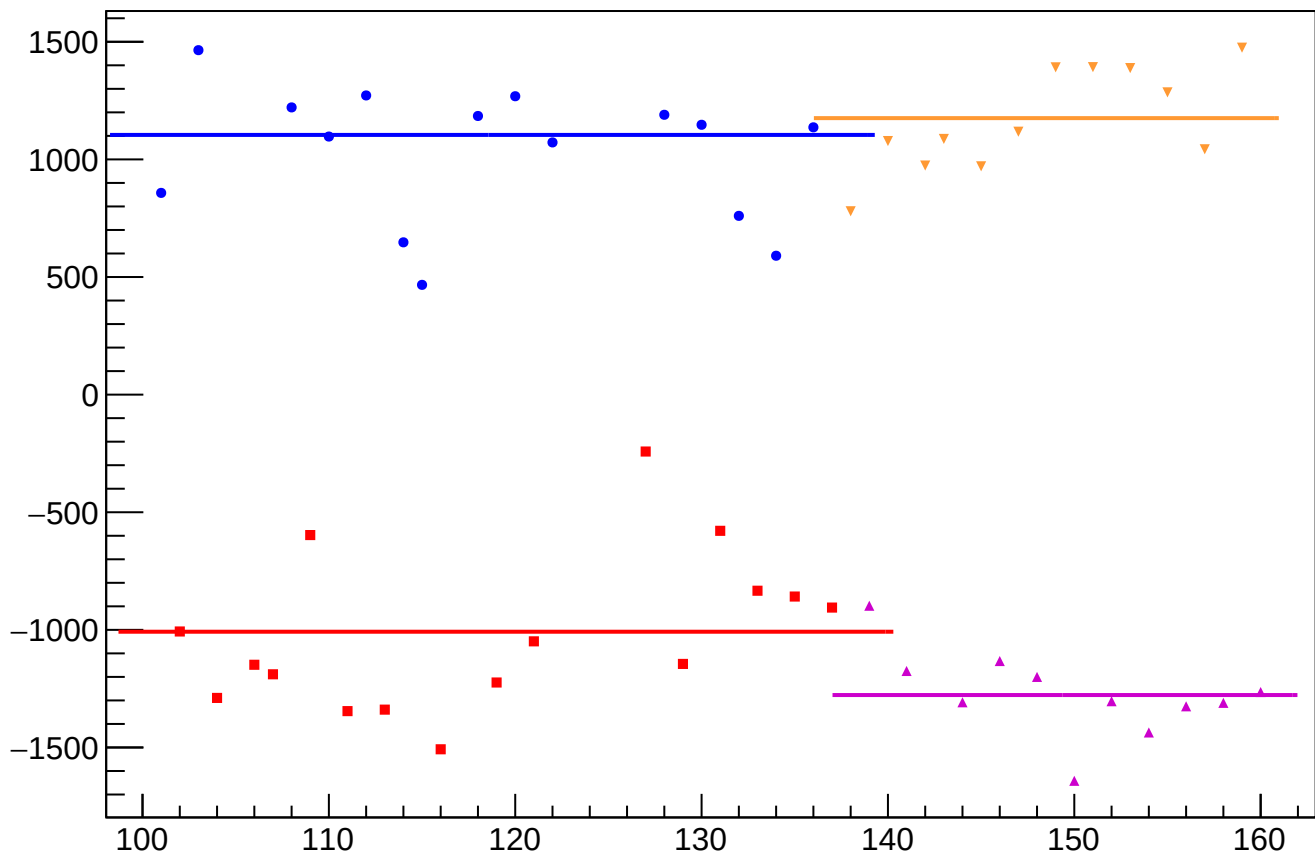
All: 64.640+/-0.000 χ^2/NDF : 1087009722996

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



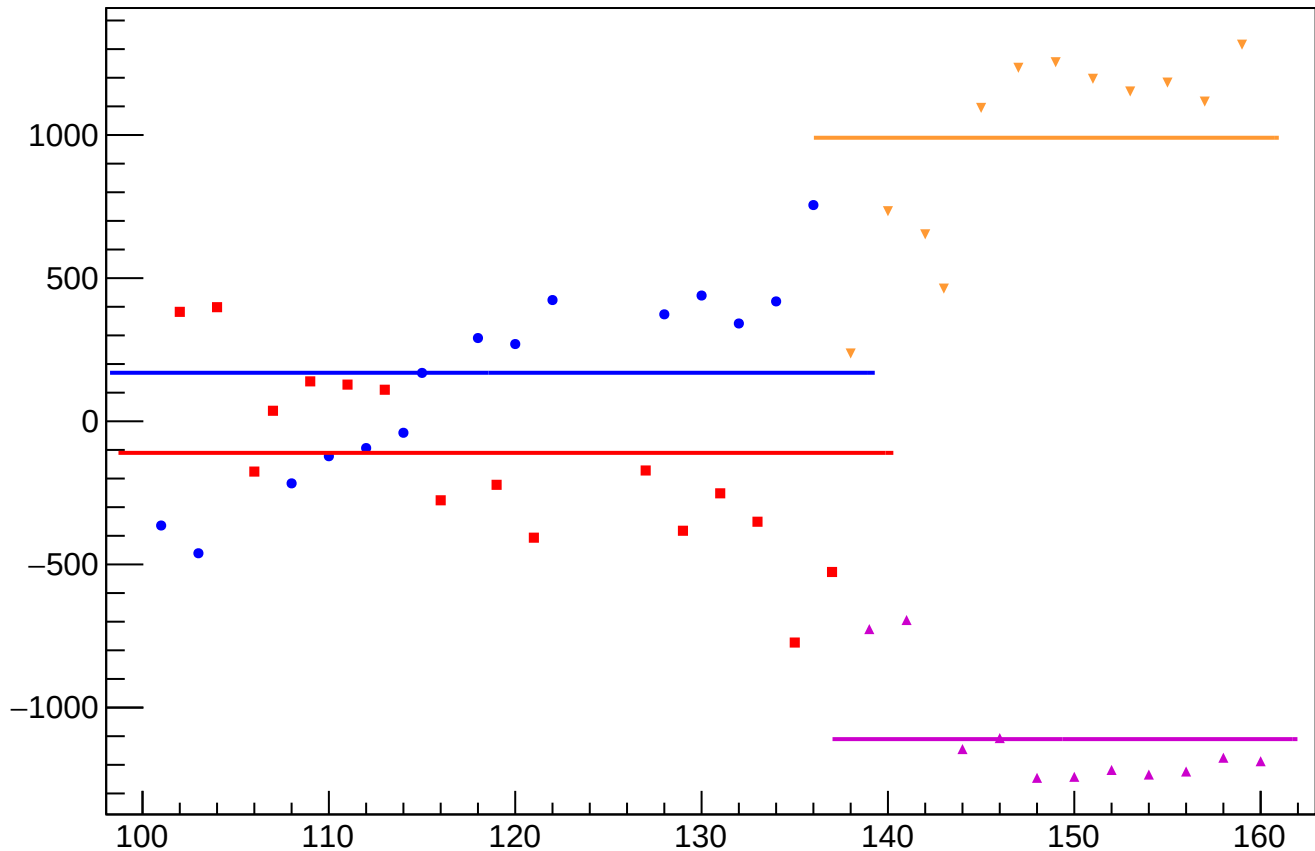
Right In: 1003.407 $\pm$ 0.000 χ^2 /NDF: 219815257294811198811064619822196195328.0/14
 Left Out: 649.450 $\pm$ 0.000 χ^2 /NDF: 46064570136396855168938023455129862144.0/11
 Right Out: -1539.568 $\pm$ 0.000 χ^2 /NDF: 3614774785297482293145354574125437288448.0/15
 Left In: -650.769 $\pm$ 0.000 χ^2 /NDF: 14776465774858799846922535858394365952.0/10
 All: -120.825 $\pm$ 0.000 χ^2 /NDF: 68618344036

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 +/- 0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 +/- 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.318 +/- 0.000 χ^2/NDF : 441314646270

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489+/-0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 990.430+/-0.000

χ^2/NDF : 103090910531659754312882501653991784448.0/11

Right Out: -110.289+/-0.000

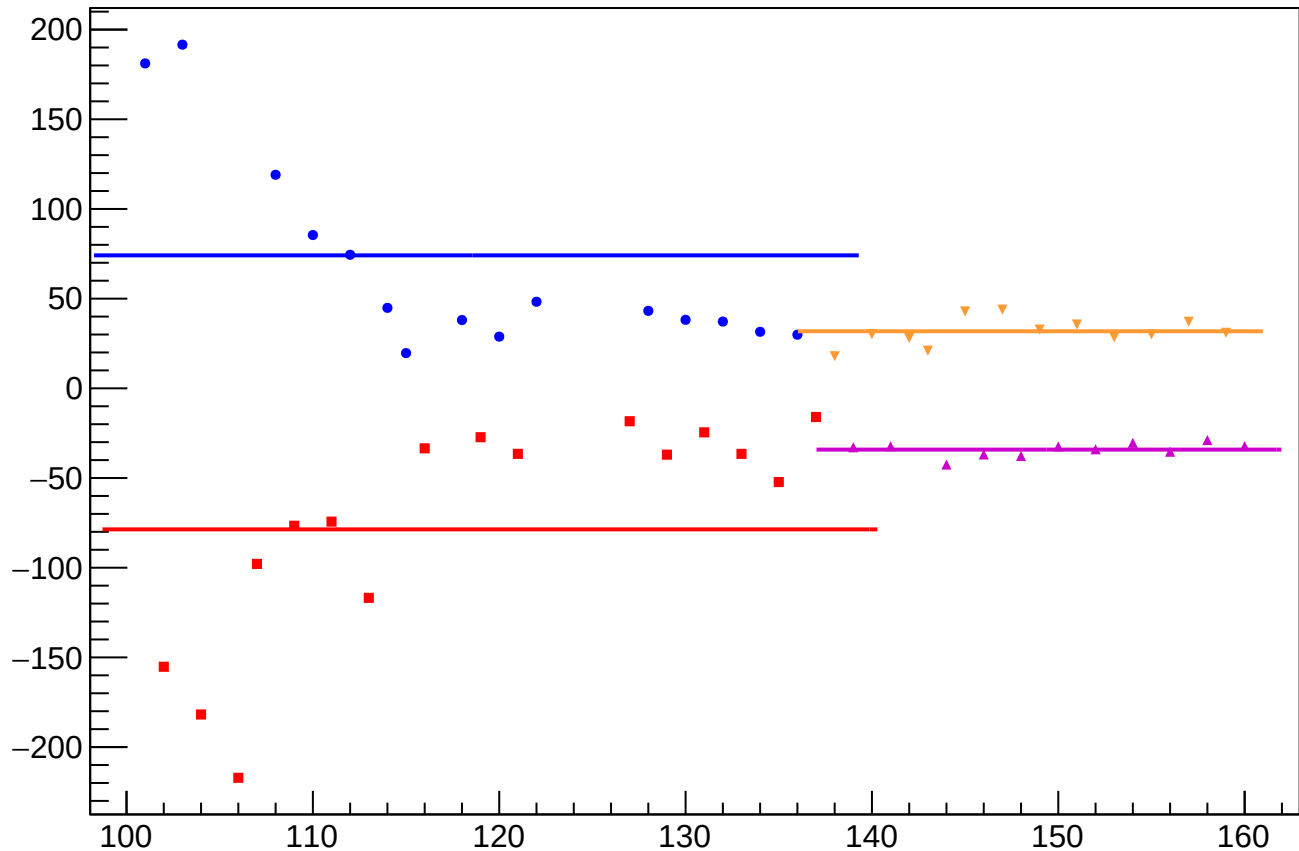
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1110.204+/-0.000

χ^2/NDF : 34078671675207101758695575343264169984.0/10

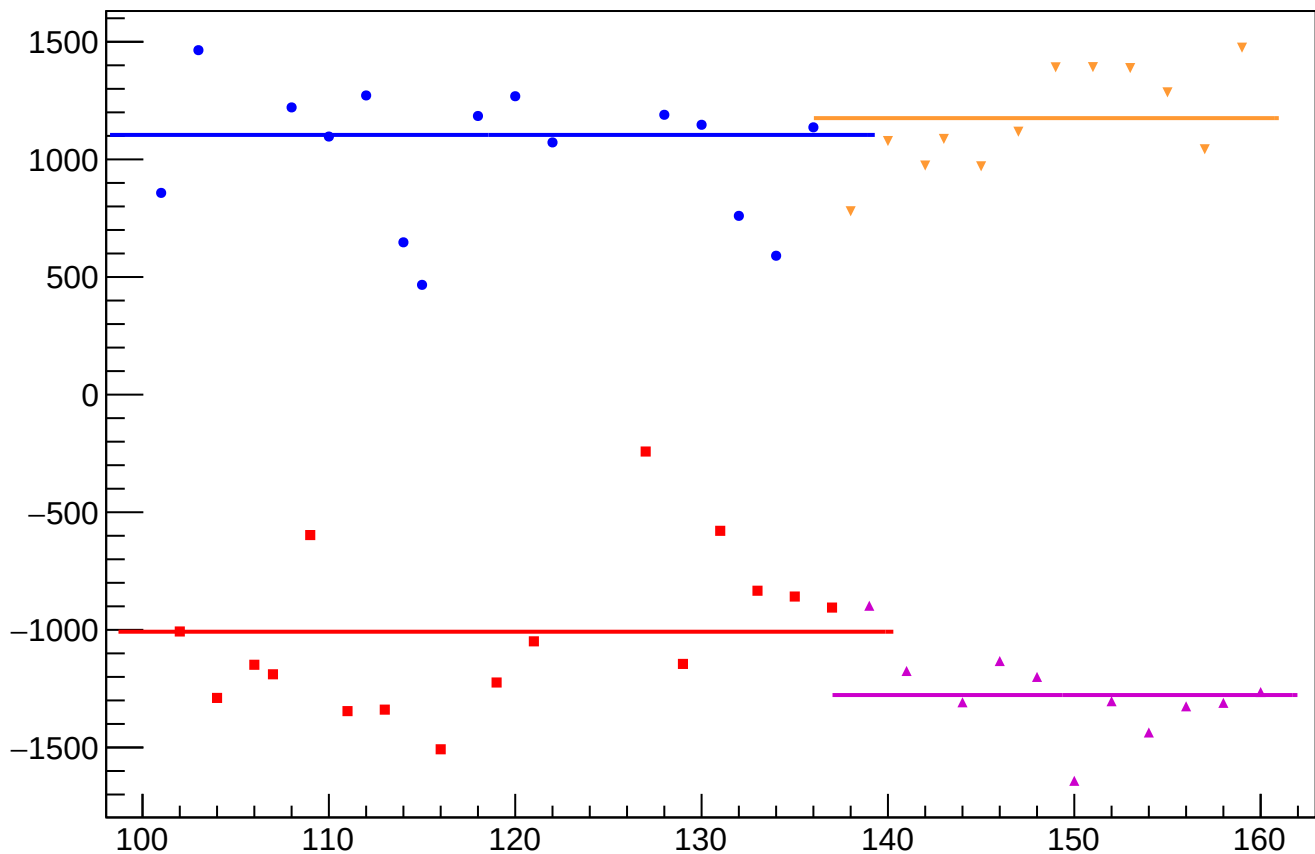
All: -25.711+/-0.000 χ^2/NDF : 236745671746

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



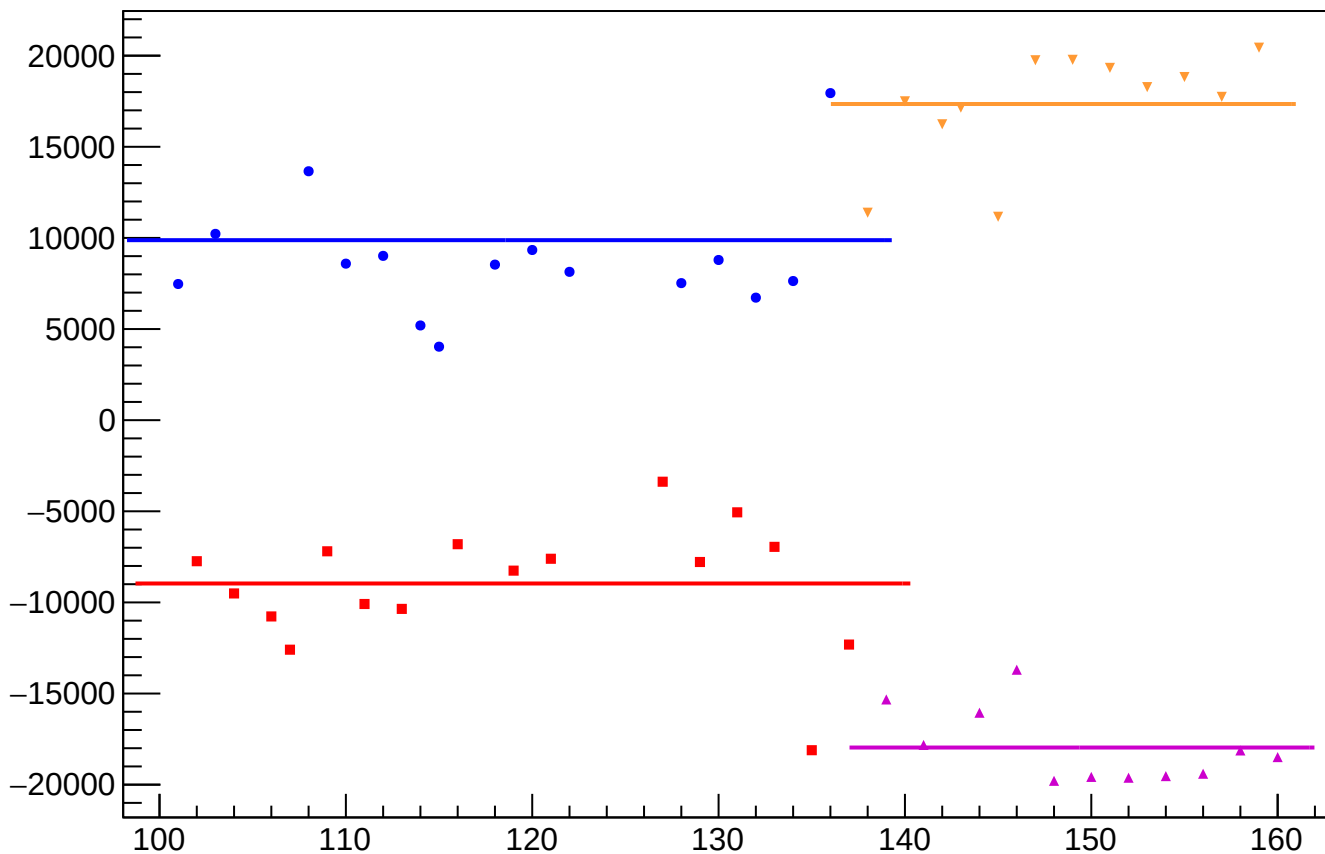
Right In: 74.129 $\pm$ 0.000 χ^2 /NDF: 2168375717401207322620658258081218560.0/14
 Left Out: 31.811 $\pm$ 0.000 χ^2 /NDF: 49714502708074355804513533446586368.0/11
 Right Out: -78.633 $\pm$ 0.000 χ^2 /NDF: 2343230336879830638767678903539466240.0/15
 Left In: -34.158 $\pm$ 0.000 χ^2 /NDF: 12535781757096828038064244290224128.0/10
 All: -2.132 $\pm$ 0.000 χ^2 /NDF: 1425602893344

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



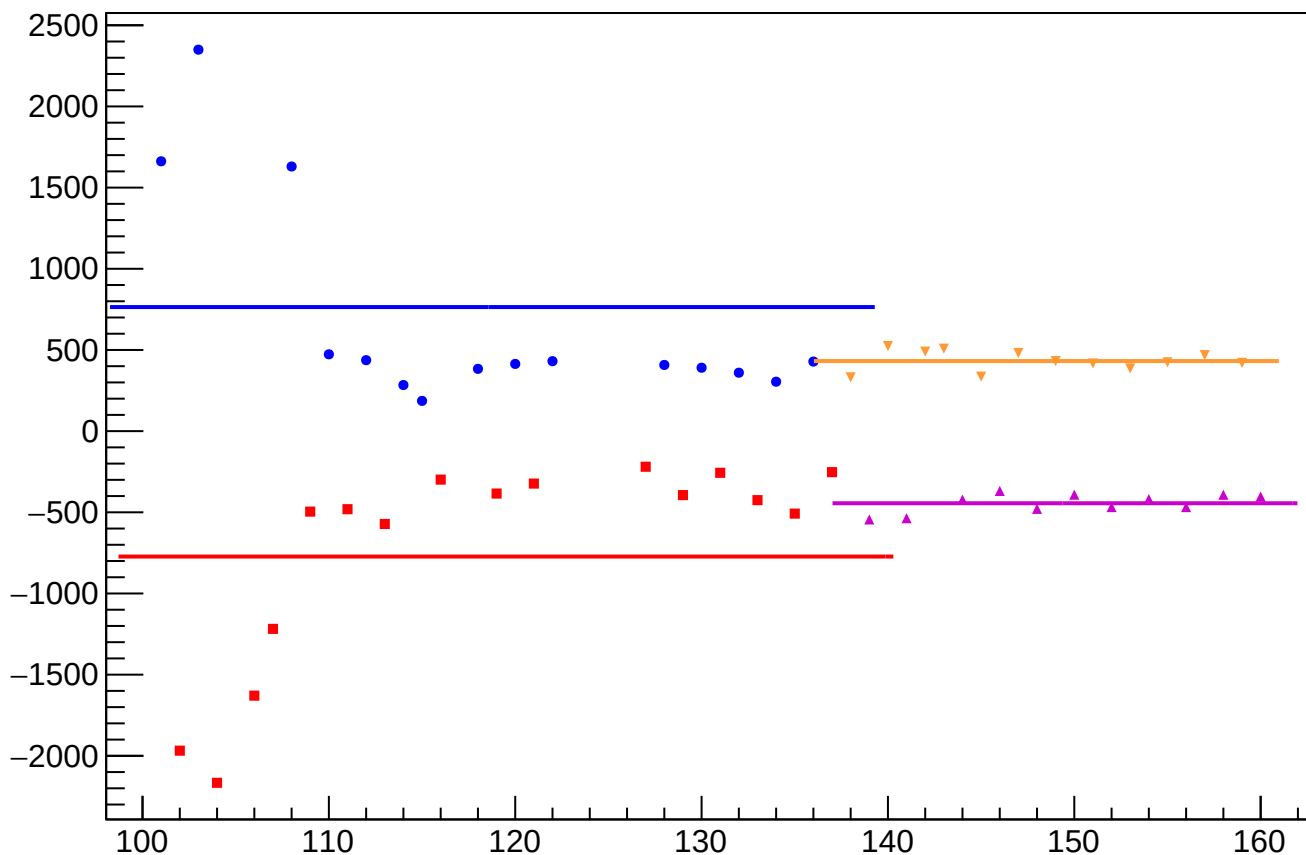
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_sam2_coil3_mean vs Slug, Sign Corrected



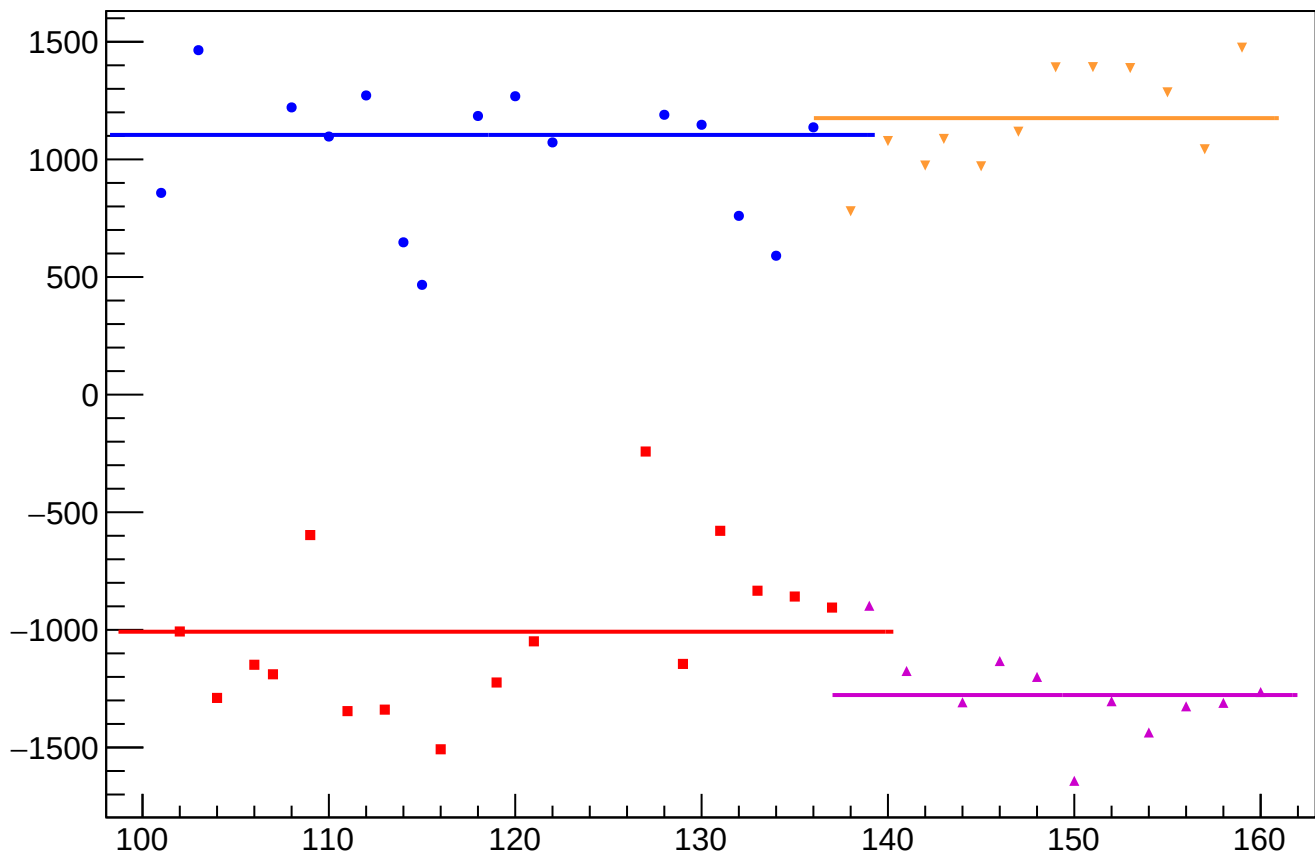
Right In: 9876.530 $\pm$ 0.000 χ^2 /NDF: 8483360287053054122301651905797133697024.0/14
 Left Out: 17348.108 $\pm$ 0.000 χ^2 /NDF: 8207548108596149921739030122495561695232.0/11
 Right Out: -8961.593 $\pm$ 0.000 χ^2 /NDF: 7583728644146461427304320888408335450112.0/15
 Left In: -17962.529 $\pm$ 0.000 χ^2 /NDF: 3564698291142811133043344688261317525504.0/10
 All: -81.304 $\pm$ 0.000 χ^2 /NDF: 718800894609

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



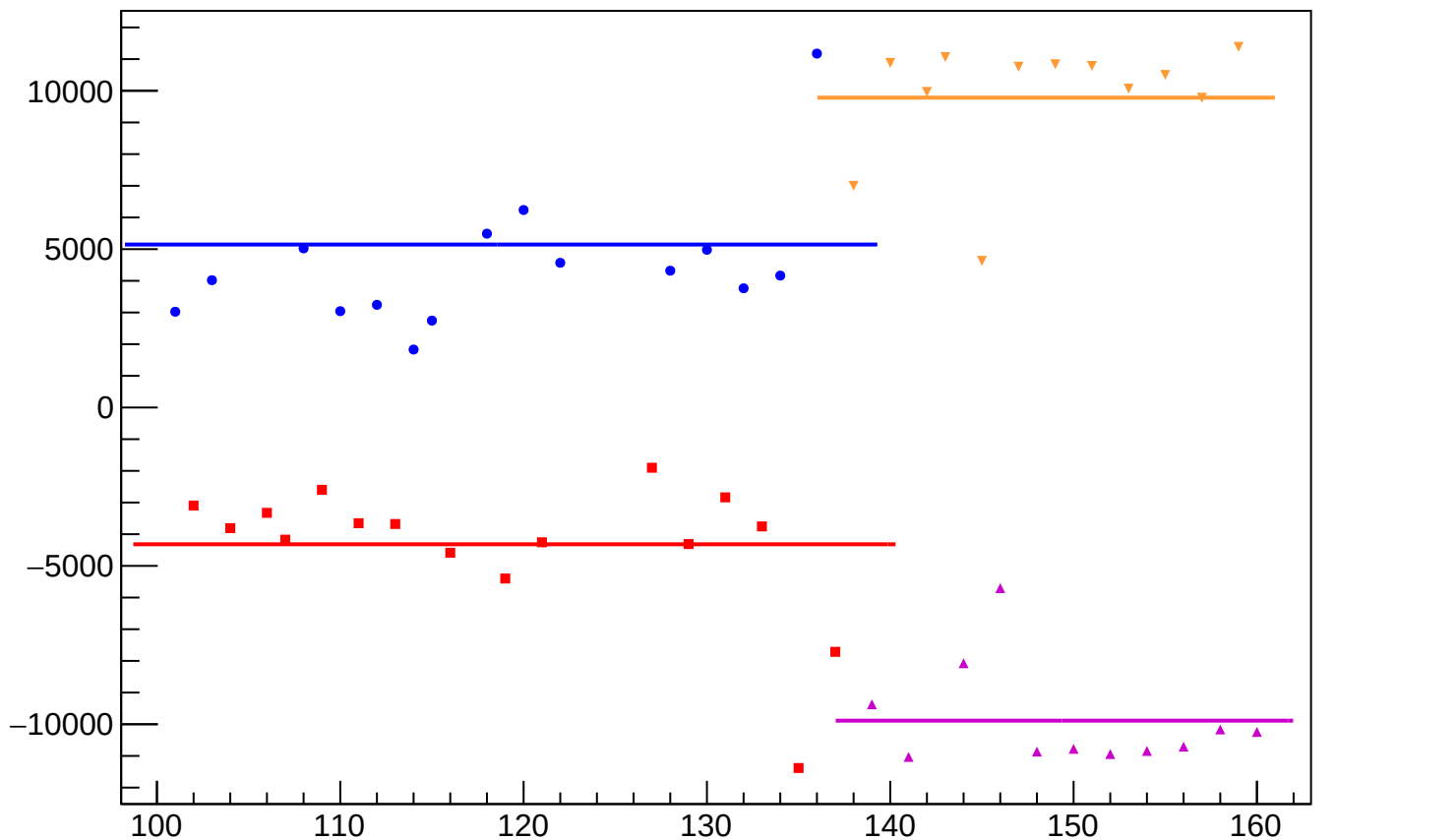
Left: -7.957 ± 0.000 $\chi^2/\text{NDF}: 35929144777263772$
 Right In: 764.284 ± 0.000 $\chi^2/\text{NDF}: 290964758058269480005067205020030599168.0/14$
 Left Out: 431.662 ± 0.000 $\chi^2/\text{NDF}: 3280421514159451222222919804563488768.0/11$
 Right Out: -772.547 ± 0.000 $\chi^2/\text{NDF}: 285902138904642401278625587631891677184.0/15$
 Left In: -444.245 ± 0.000 $\chi^2/\text{NDF}: 2906625839452991270105053894151241728.0/10$
 All: -10.743 ± 0.000 $\chi^2/\text{NDF}: 171309640710$

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



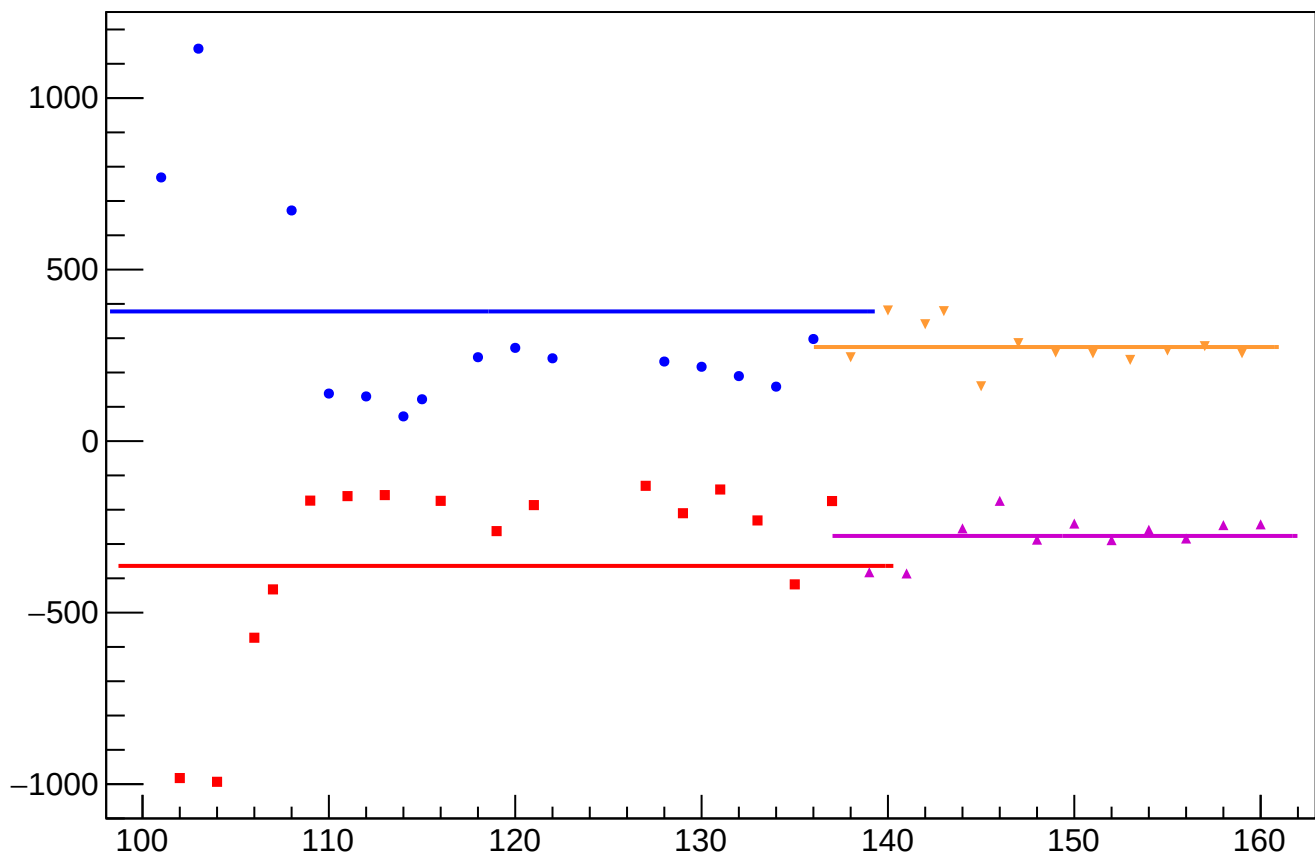
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_sam3_coil3_mean vs Slug, Sign Corrected



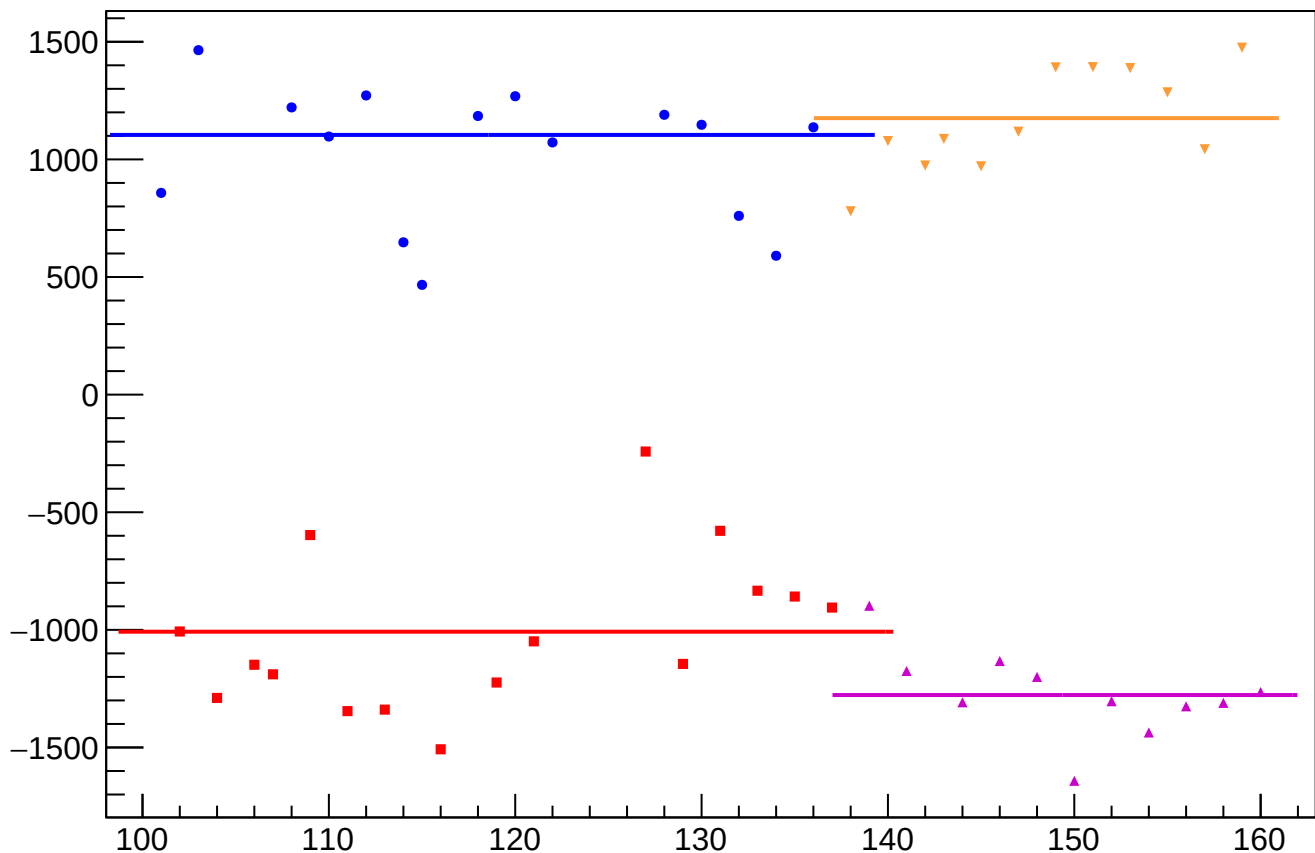
Right In: 5145.657+/-0.000 χ^2/NDF : 4272867262459372237810540195851662262272.0/14
 Left Out: 9783.623+/-0.000 χ^2/NDF : 3463460967659182435053933688350532698112.0/11
 Right Out: -4318.126+/-0.000 χ^2/NDF : 3345176554564755427312533888908526616576.0/15
 Left In: -9887.069+/-0.000 χ^2/NDF : 2278516780225824082632420288802127347712.0/10
 All: 93.529+/-0.000 χ^2/NDF : 2210529199103

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



Right In: 378.052 $\pm$ 0.000 χ^2 /NDF: 61516590022593053040860760861331947520.0/14
 Left Out: 274.281 $\pm$ 0.000 χ^2 /NDF: 3210866570321724501306846670770667520.0/11
 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: 4475481806747

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

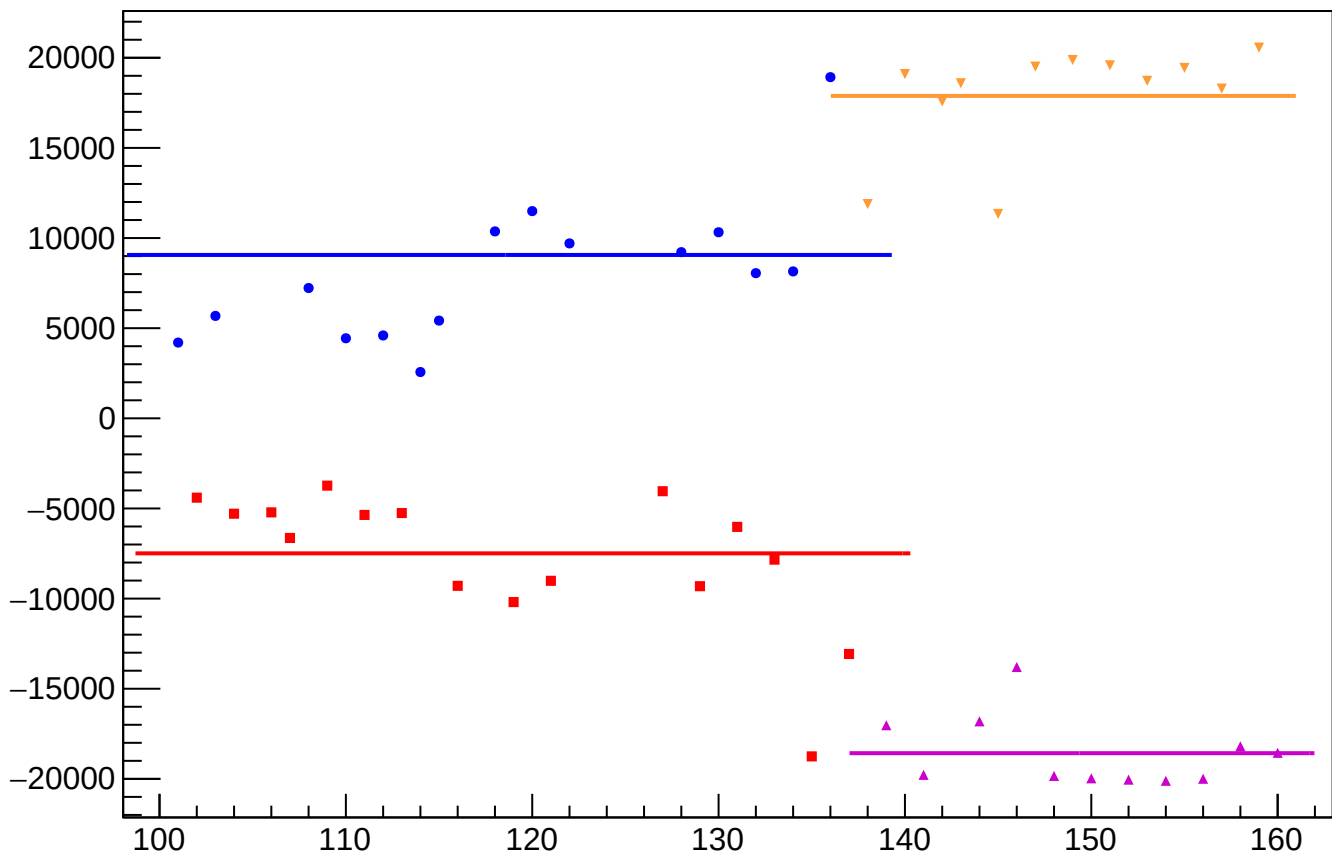
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

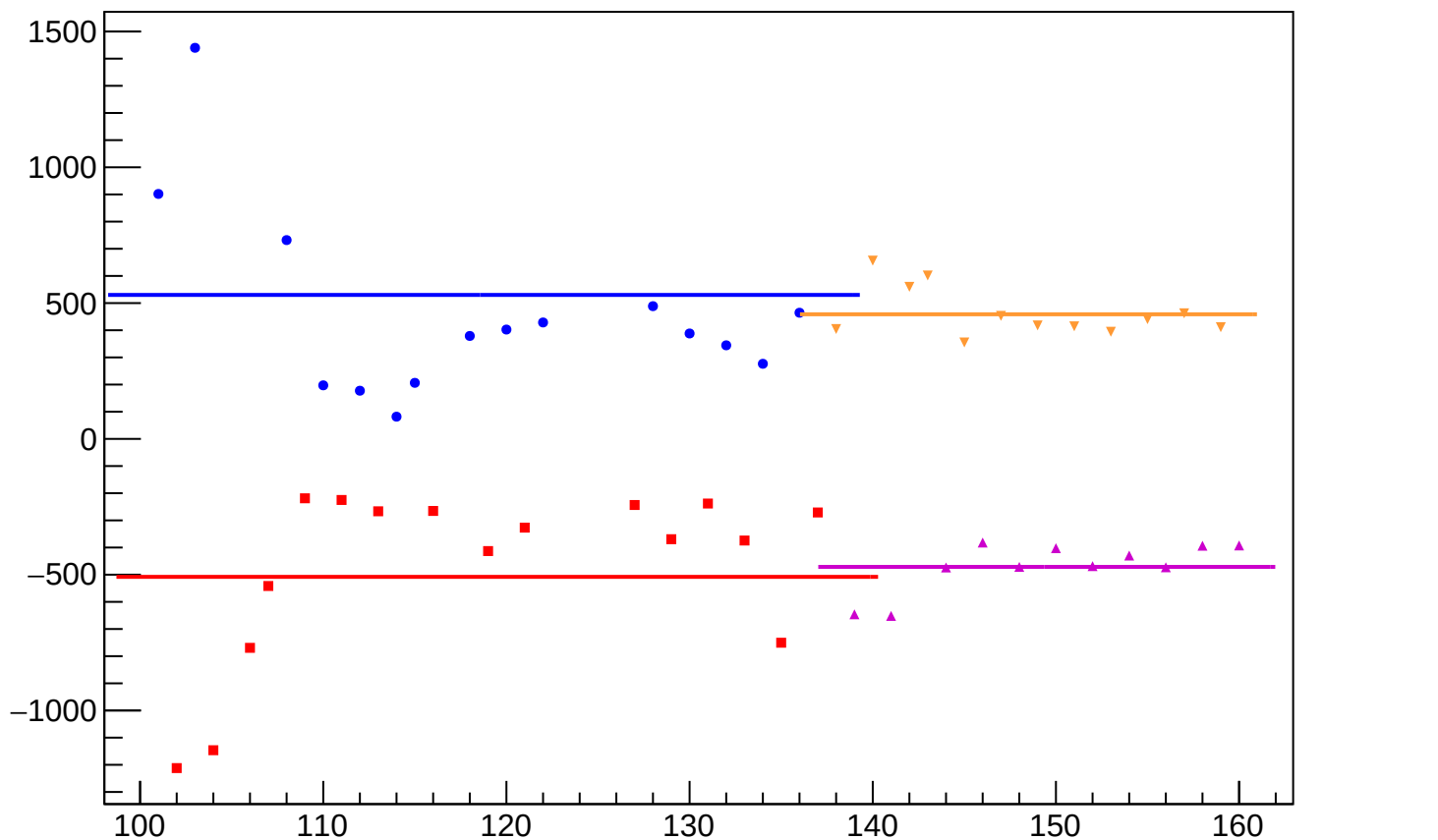
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710 ± 0.000 $\chi^2/\text{NDF}: 13621066943114354594159252409175431446528.0/14$
 Left Out: 17884.828 ± 0.000 $\chi^2/\text{NDF}: 8035777278860305028144675580255817170944.0/11$
 Right Out: -7490.147 ± 0.000 $\chi^2/\text{NDF}: 10108202124204139932285006457388239159296.0/15$
 Left In: -18574.874 ± 0.000 $\chi^2/\text{NDF}: 3371752936319538414648384836142763081728.0/10$
 All: 38.953 ± 0.000 $\chi^2/\text{NDF}: 7379784691052$

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



Right In: 530.057+/-0.000

χ^2/NDF : 78754676063063255524046471751880671232.0/14

Left Out: 458.806+/-0.000

χ^2/NDF : 6995521594489868747173366228733394944.0/11

Right Out: -507.987+/-0.000

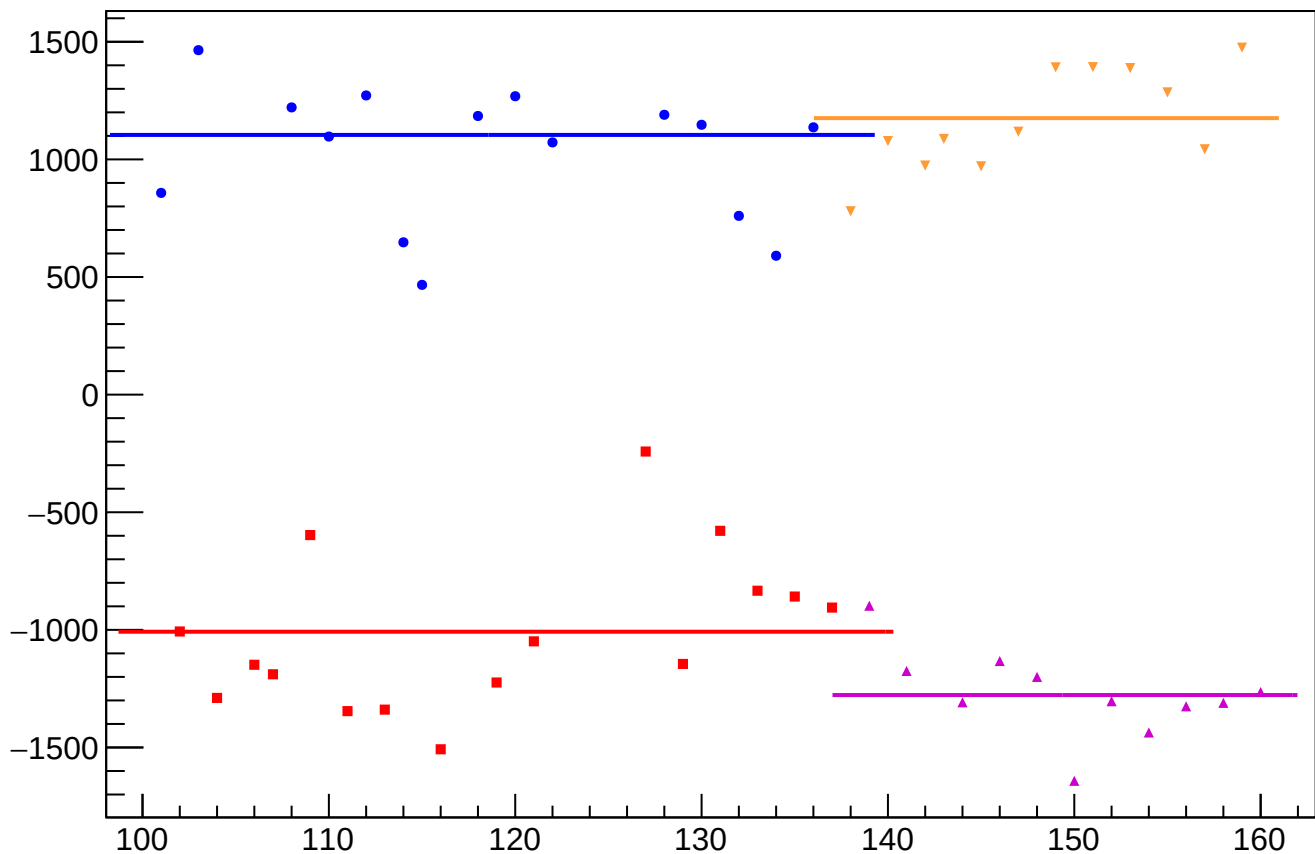
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -471.219+/-0.000

χ^2/NDF : 7445973219160336257467772011051745280.0/10

All: -3.010+/-0.000 χ^2/NDF : 9225241672117

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

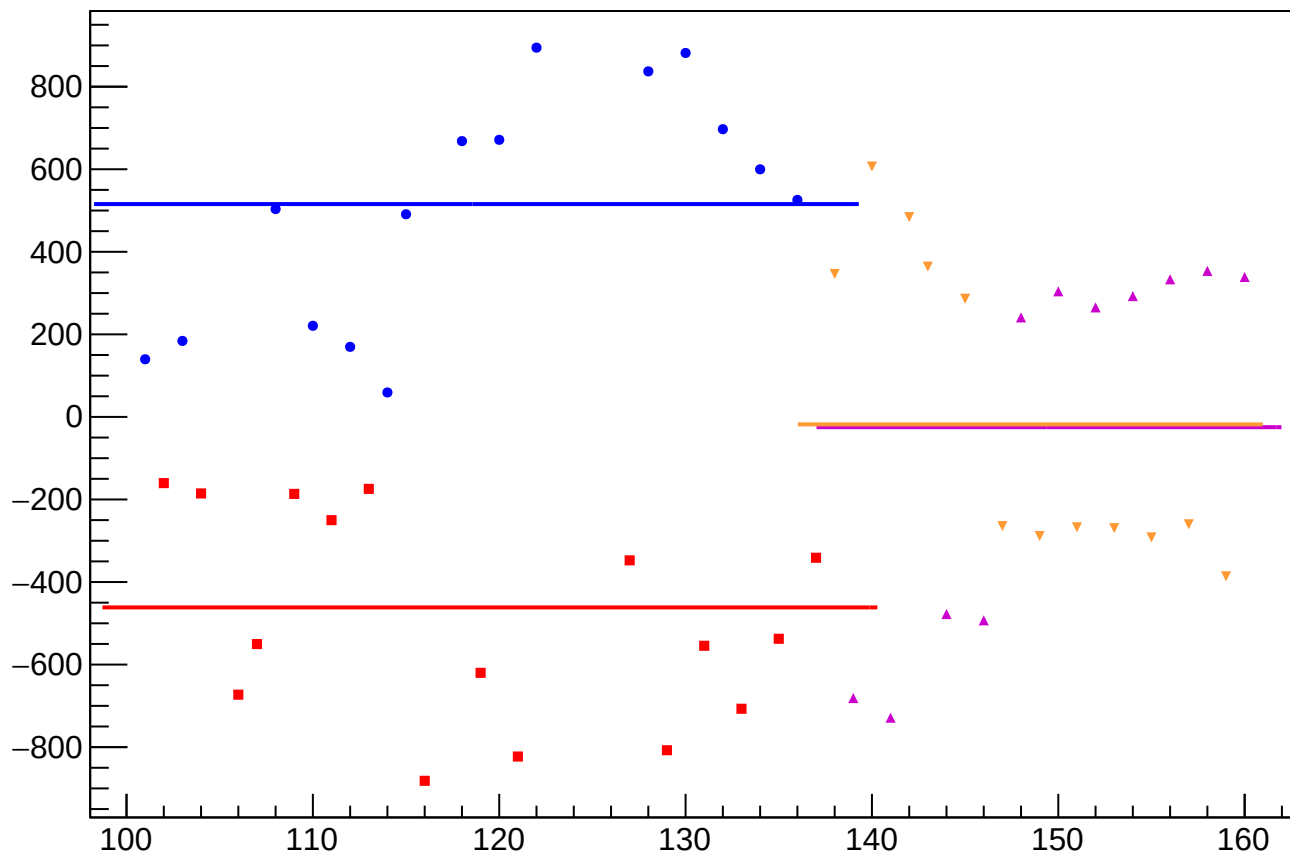
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

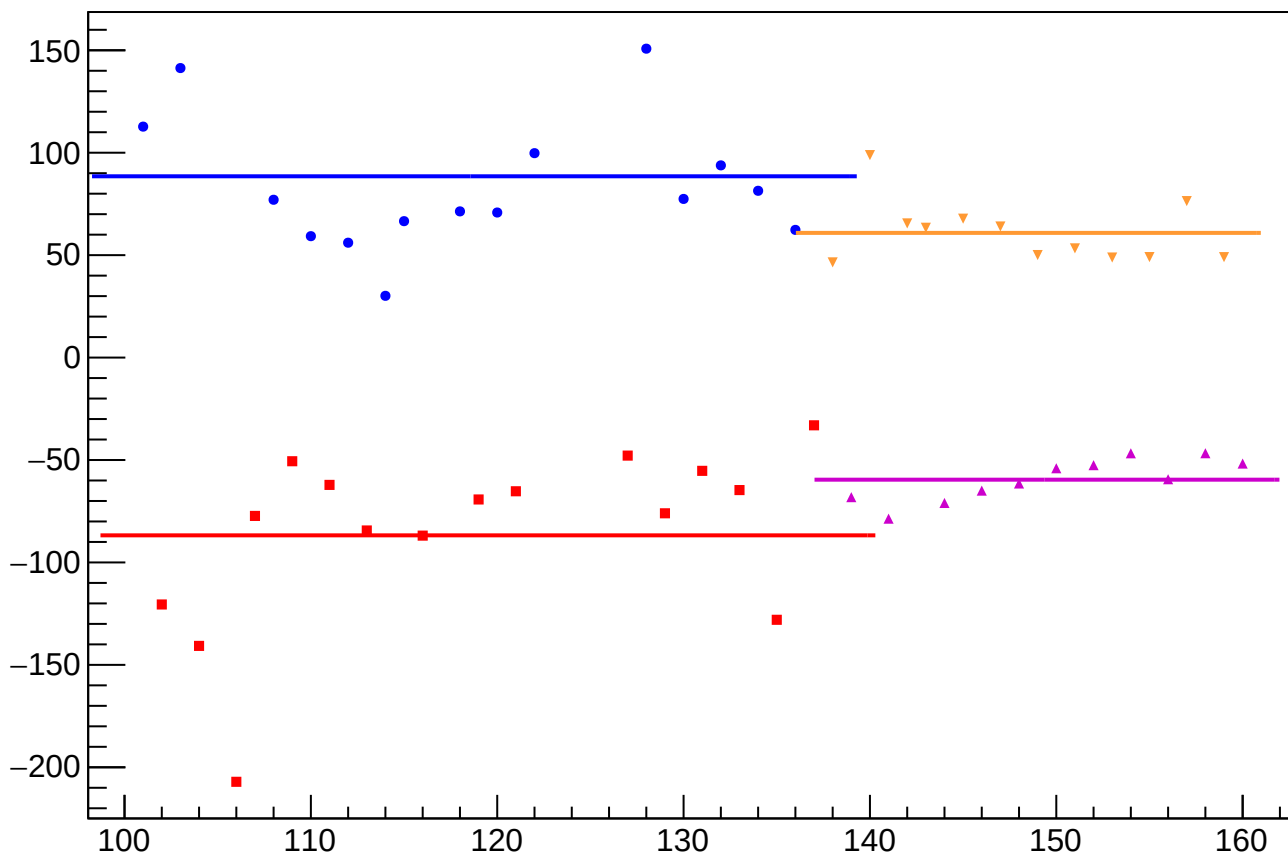
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam5_coil3_mean vs Slug, Sign Corrected



Left: -21.505 ± 0.000 $\chi^2/\text{NDF}: 2909516961812704$
 Right In: 515.635 ± 0.000 $\chi^2/\text{NDF}: 48465403420573957292673062371162324992.0/14$
 Right: 20.387 ± 0.000 $\chi^2/\text{NDF}: 4030056130167457$
 Left Out: -18.086 ± 0.000 $\chi^2/\text{NDF}: 113760261442063078265103594368341639168.0/11$
 In: 198.120 ± 0.000 $\chi^2/\text{NDF}: 33702193102447450$
 Right Out: -461.497 ± 0.000 $\chi^2/\text{NDF}: 40473746660091355928063306884368564224.0/15$
 Out: -204.800 ± 0.000 $\chi^2/\text{NDF}: 230153328143066$
 Left In: -24.898 ± 0.000 $\chi^2/\text{NDF}: 177170083146066340419686697250307702784.0/10$
 All: -4.042 ± 0.000 $\chi^2/\text{NDF}: 6953040639809$

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493+/-0.000

χ^2/NDF : 643231155193035512625817963208900608.0/14

Left Out: 60.867+/-0.000

χ^2/NDF : 208334830420842687698000766503485440.0/11

Right Out: -86.773+/-0.000

χ^2/NDF : 1059206766314086021240525003228708864.0/15

Left In: -59.604+/-0.000

χ^2/NDF : 90862625181985664375323463168032768.0/10

Left: 0.402+/-0.000 χ^2/NDF : 697888680895441924

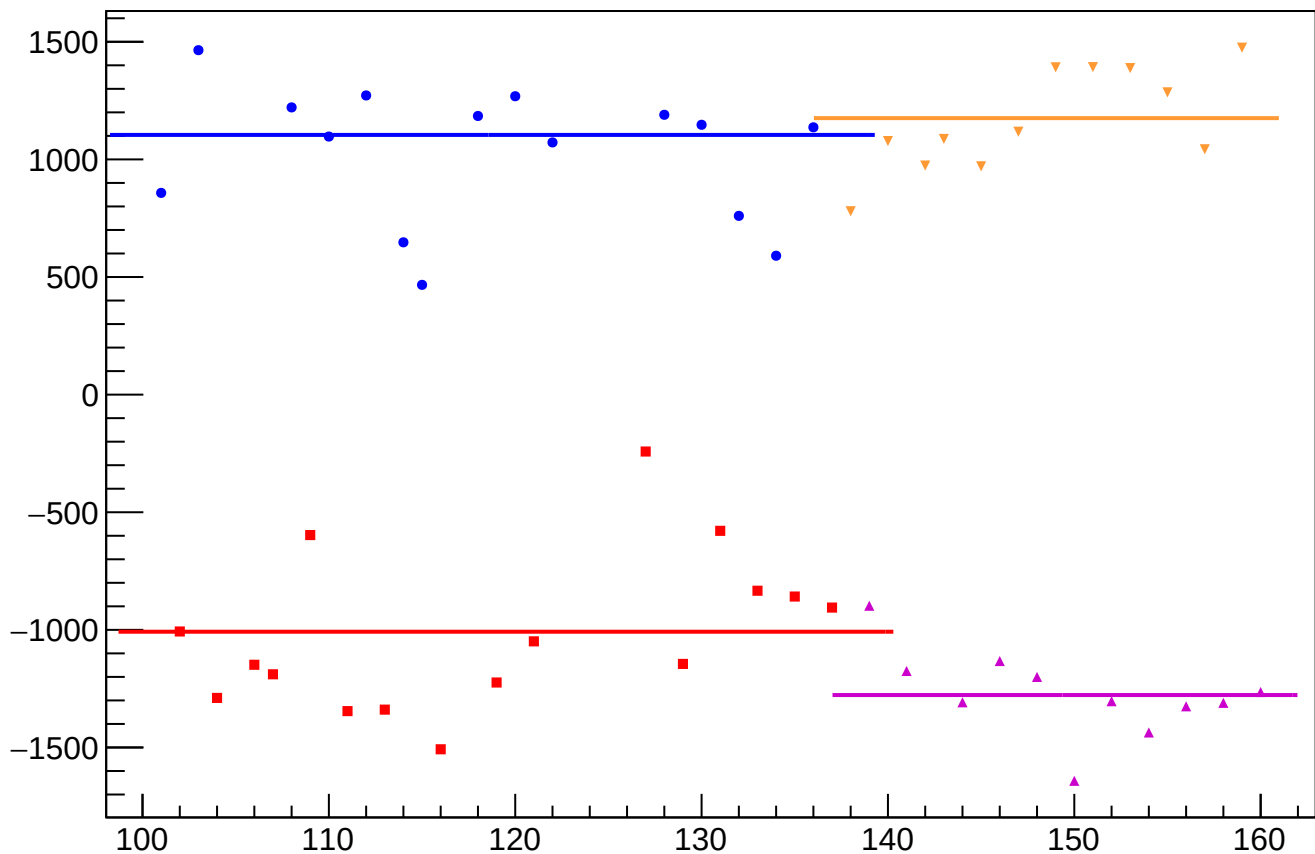
Right: -0.339+/-0.000 χ^2/NDF : 1180687368969666

In: 1.499+/-0.000 χ^2/NDF : 9095552932687624023

Out: -1.302+/-0.000 χ^2/NDF : 96844374307284203

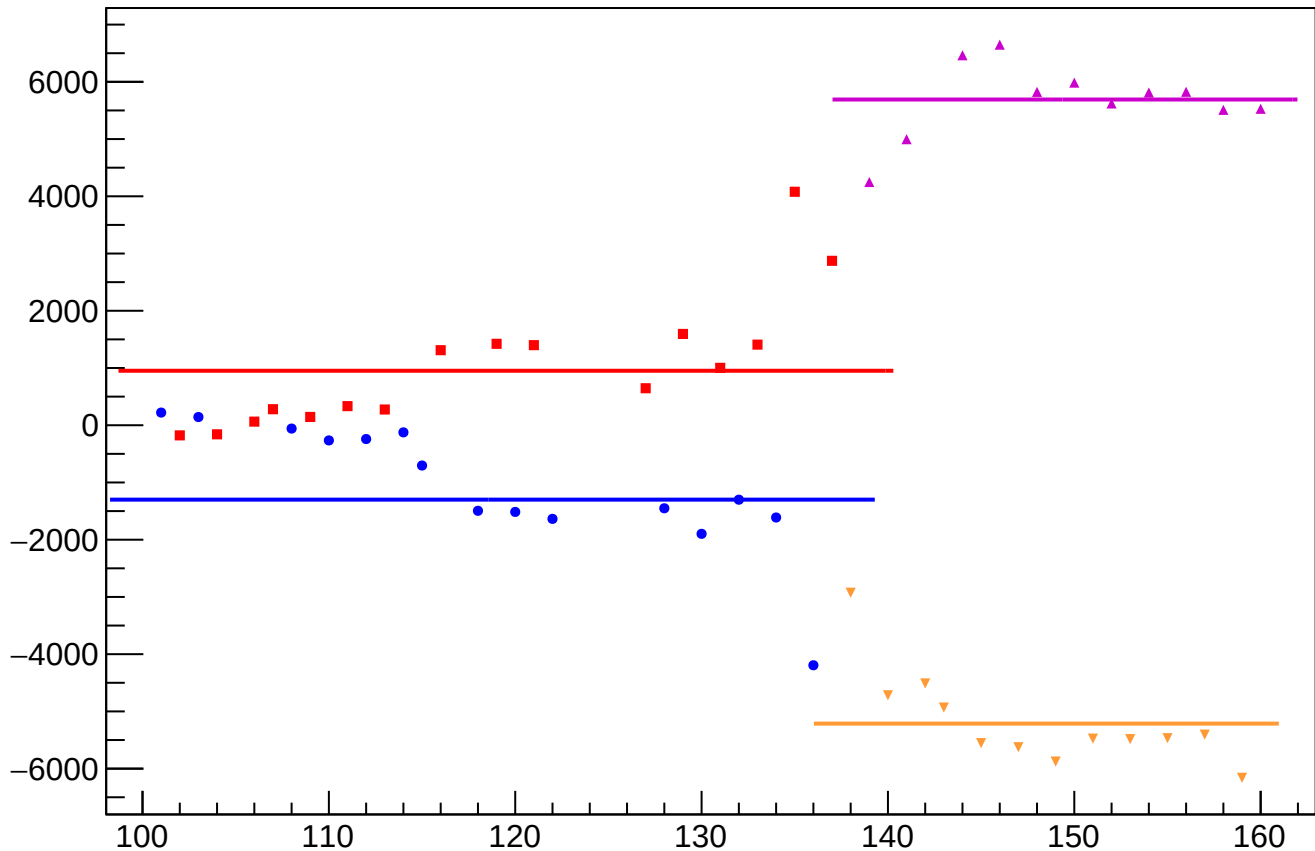
All: 0.093+/-0.000 χ^2/NDF : 18786182207074

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478+/-0.000 χ^2/NDF : 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5213.053+/-0.000

Right Out: 951.903+/-0.000

Left In: 5690.941+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 607024723474712138909900039656470216704.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 355774620722948866968040460749891436544.0/10

Left: 259.674+/-0.000 χ^2/NDF : 5568438689423430

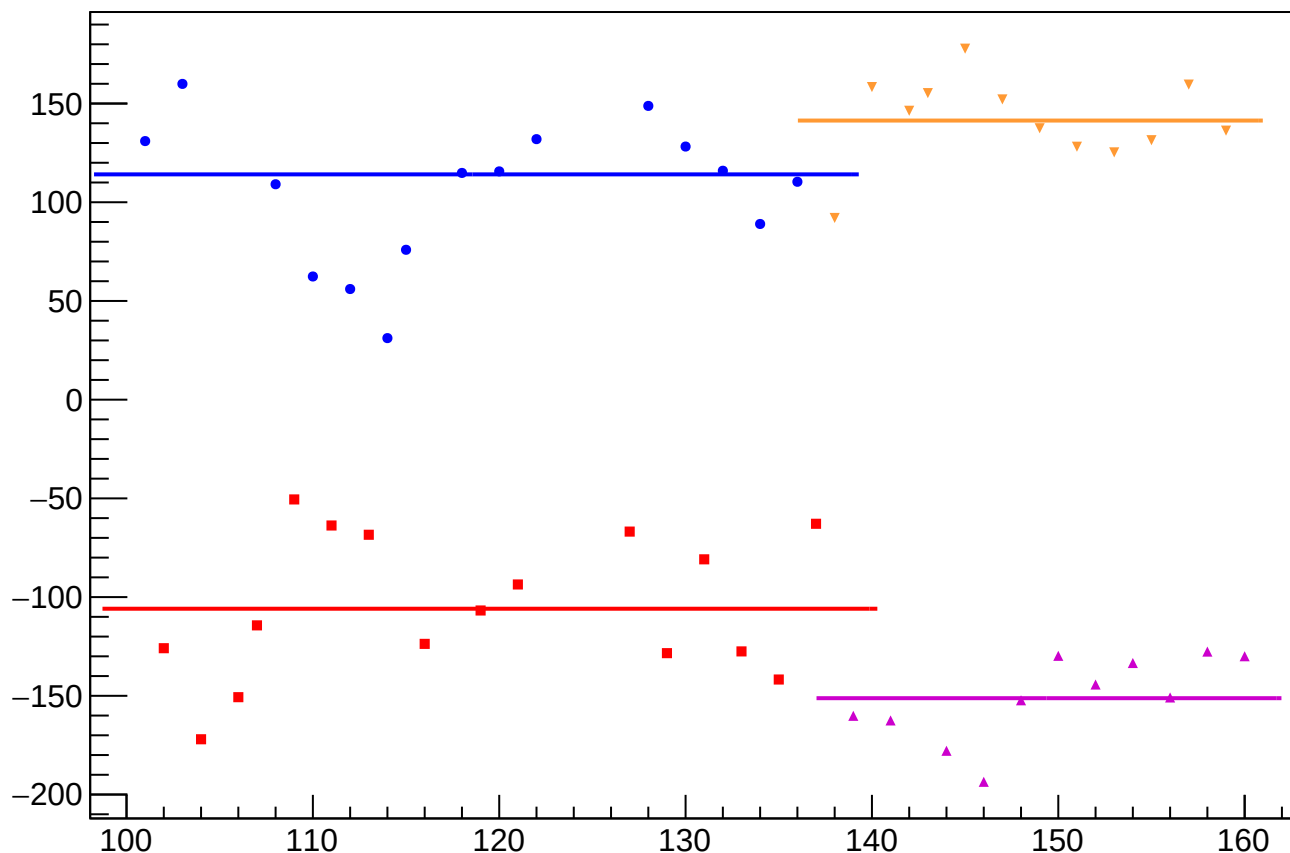
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2617.077+/-0.000 χ^2/NDF : 16124078025382

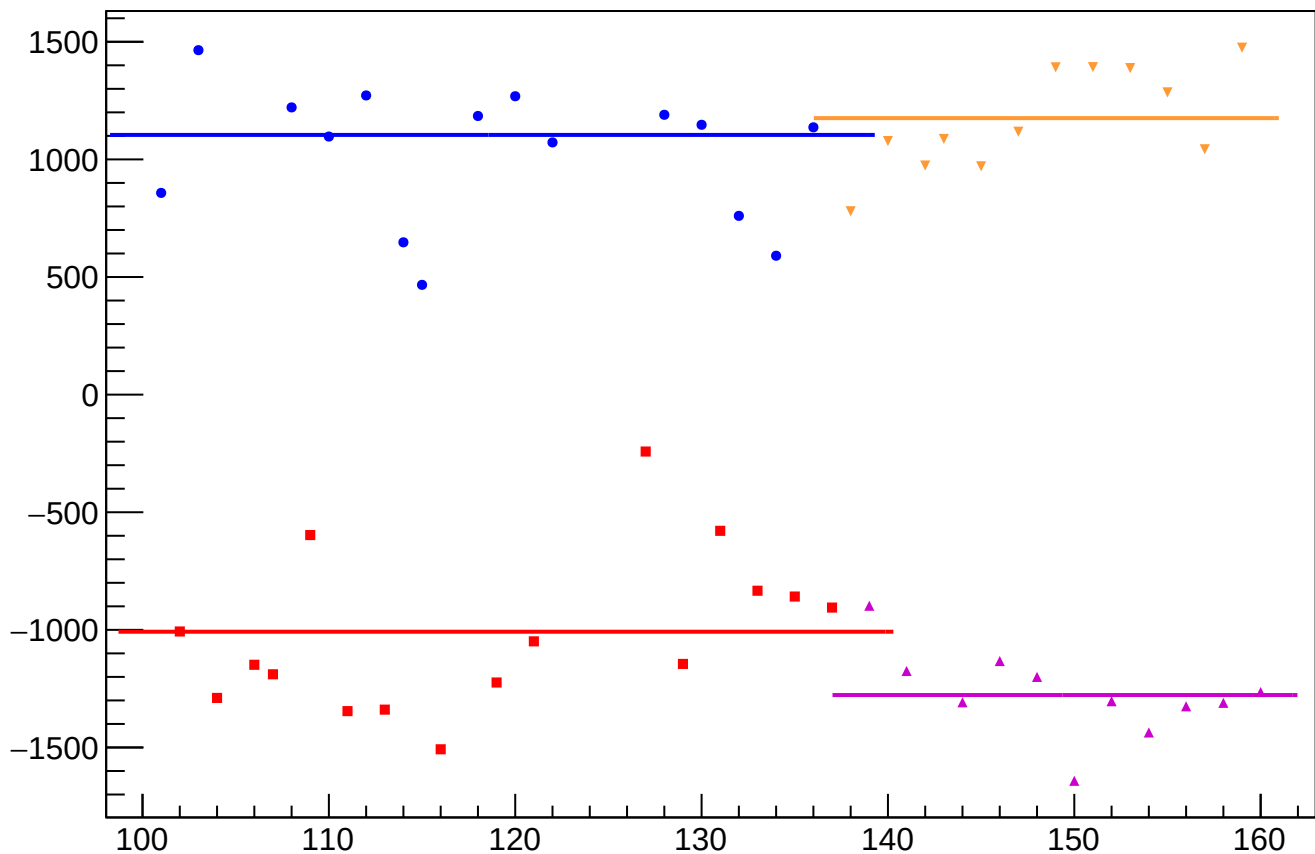
All: 85.316+/-0.000 χ^2/NDF : 5952754065640

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



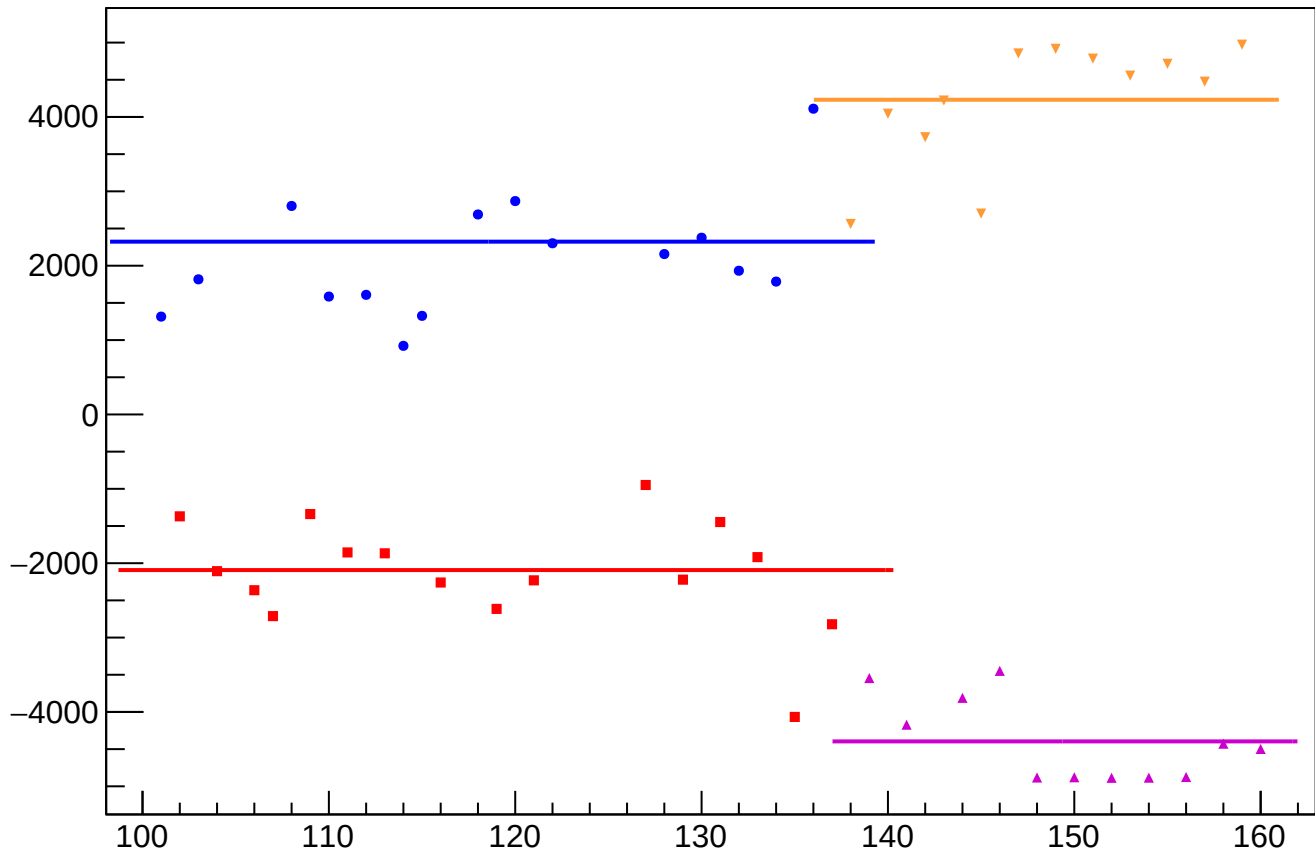
Right In: 114.118 $\pm$ 0.000 χ^2 /NDF: 607226770891525118881736460452495360.0/14
 Left Out: 141.380 $\pm$ 0.000 χ^2 /NDF: 416963026310292285514058989674954752.0/11
 Right Out: -105.890 $\pm$ 0.000 χ^2 /NDF: 851861355270591521058611007535972352.0/15
 Left In: -151.203 $\pm$ 0.000 χ^2 /NDF: 382227652604999337577431549784096768.0/10
 All: -2.101 $\pm$ 0.000 χ^2 /NDF: 5762903139484

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



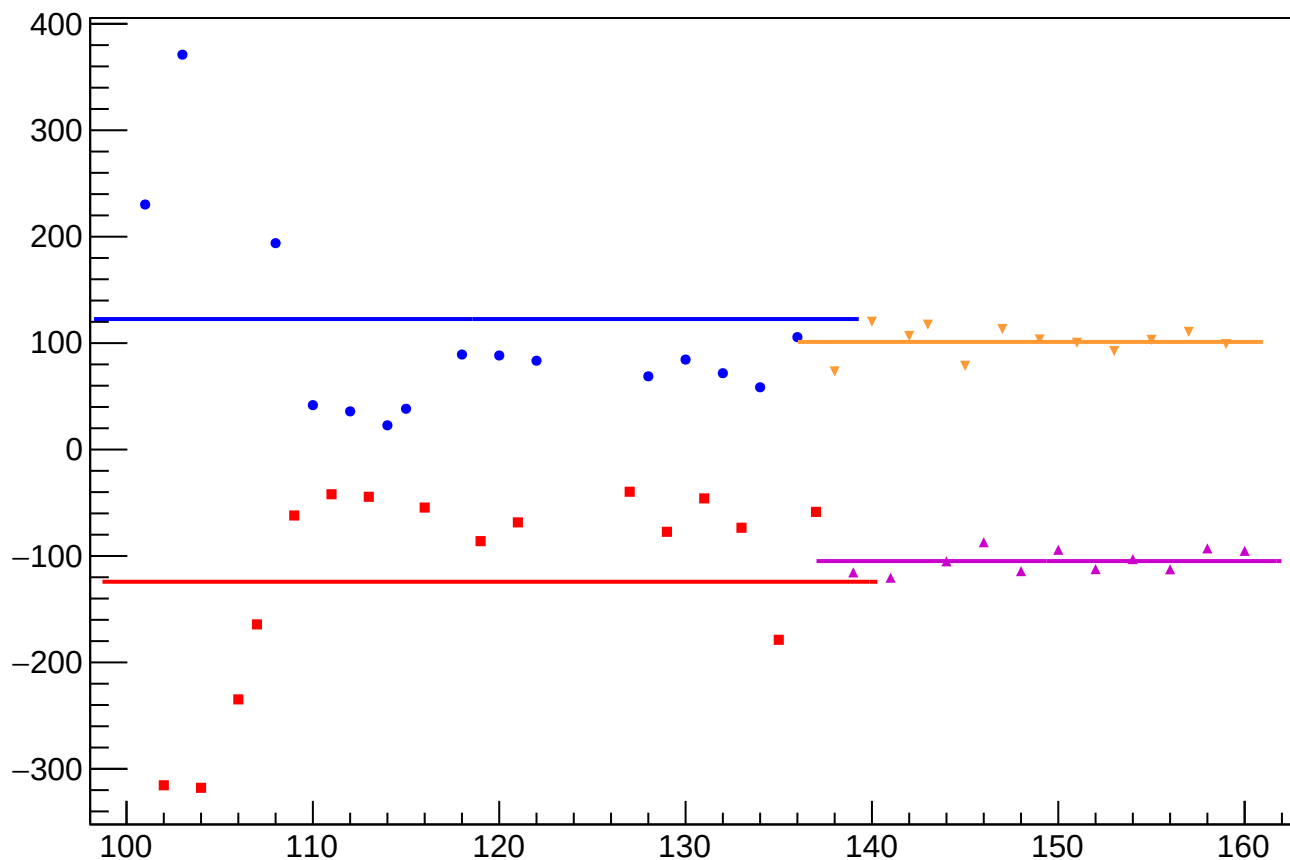
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_sam7_coil3_mean vs Slug, Sign Corrected



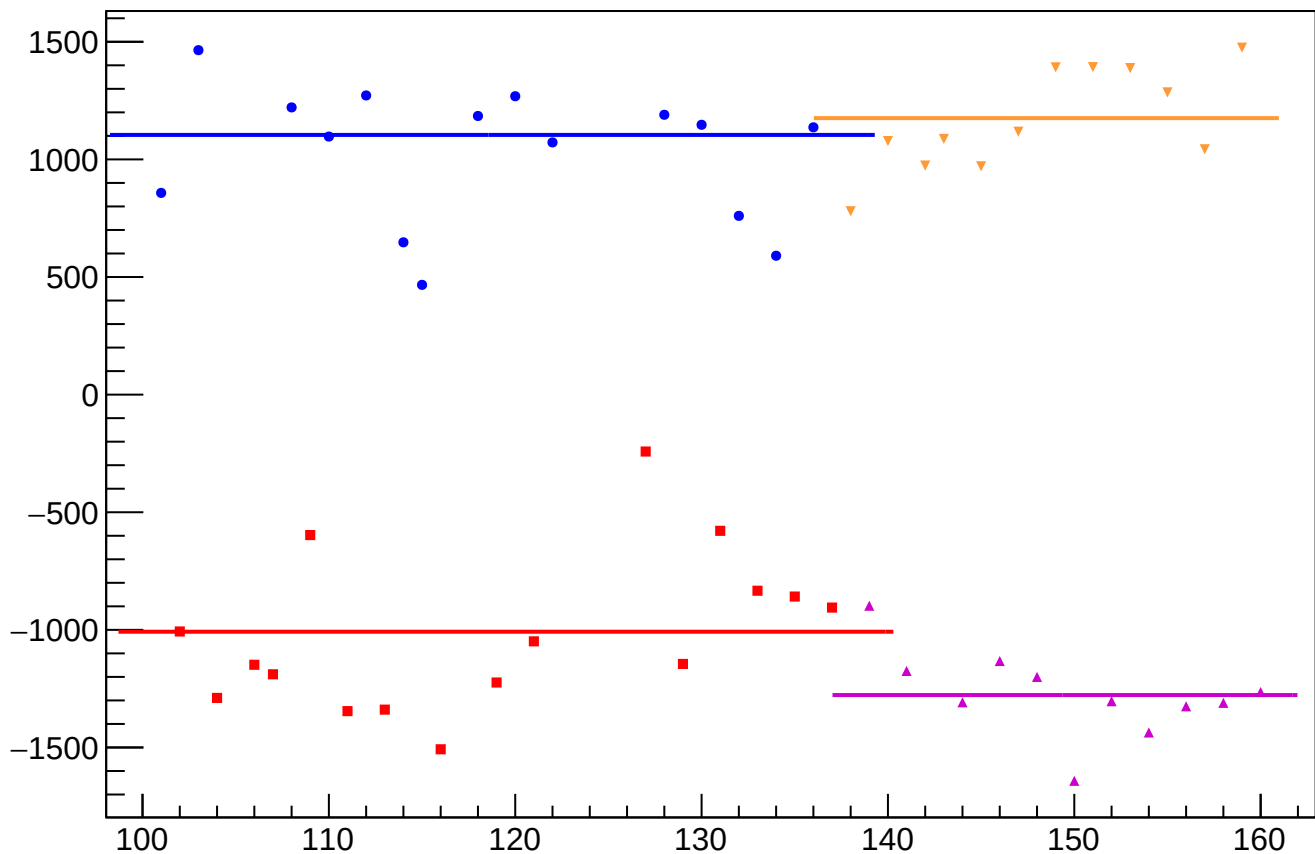
Right In: 2323.372 $\pm$ 0.000 χ^2 /NDF: 476371189888349375964725620757728591872.0/14
 Left Out: 4231.380 $\pm$ 0.000 χ^2 /NDF: 591264758783455505140129278309664030720.0/11
 Right Out: -2092.458 $\pm$ 0.000 χ^2 /NDF: 367126080872166122663684022473339174912.0/15
 Left In: -4396.069 $\pm$ 0.000 χ^2 /NDF: 270326441631367265143713722564756897792.0/10
 All: -22.044 $\pm$ 0.000 χ^2 /NDF: 424024658110

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



Right In: 122.622+/-0.000 χ^2/NDF : 5937504661187691145903235842749497344.0/14
 Left Out: 101.138+/-0.000 χ^2/NDF : 175111456477451966804115550397005824.0/11
 Right Out: -124.216+/-0.000 χ^2/NDF : 6549627589629012958791202941129719808.0/15
 Left In: -104.786+/-0.000 χ^2/NDF : 102013785381333837493435451846950912.0/10
 All: -2.328+/-0.000 χ^2/NDF : 5232289579930

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1175.478+/-0.000

χ^2/NDF : 39966991584790626200337106489810354176.0/11

Right Out: -1007.906+/-0.000

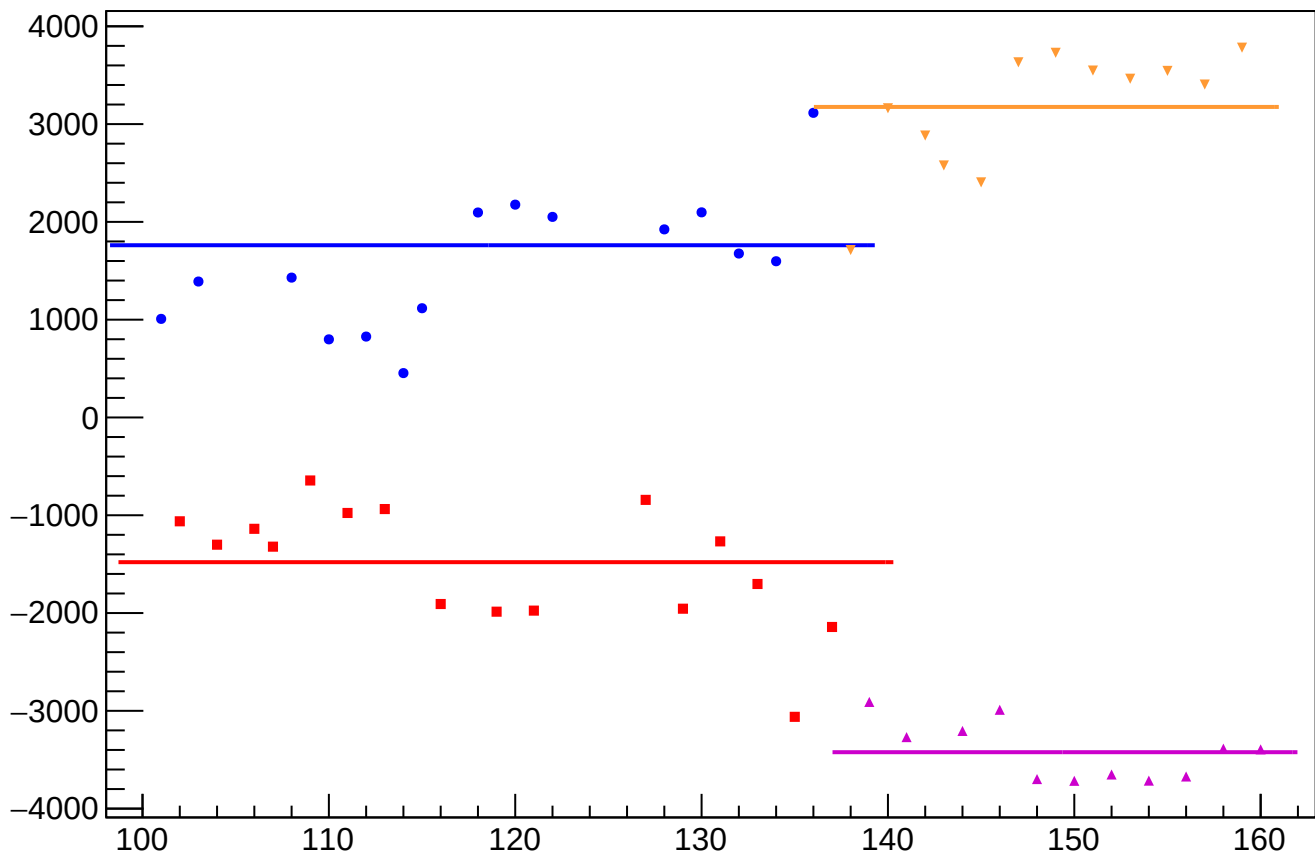
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

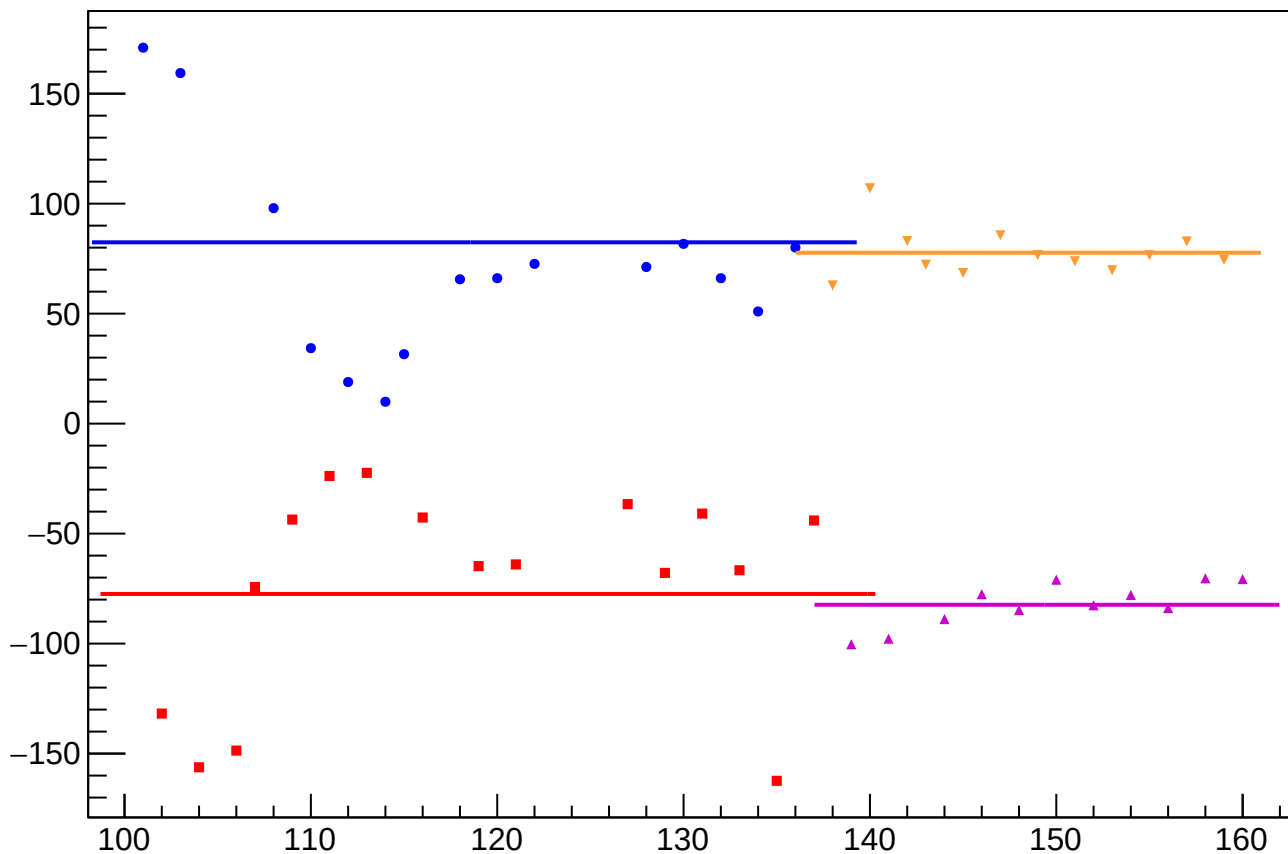
All: -18.318+/-0.000 χ^2/NDF : 441314646270

dit_sam8_coil3_mean vs Slug, Sign Corrected



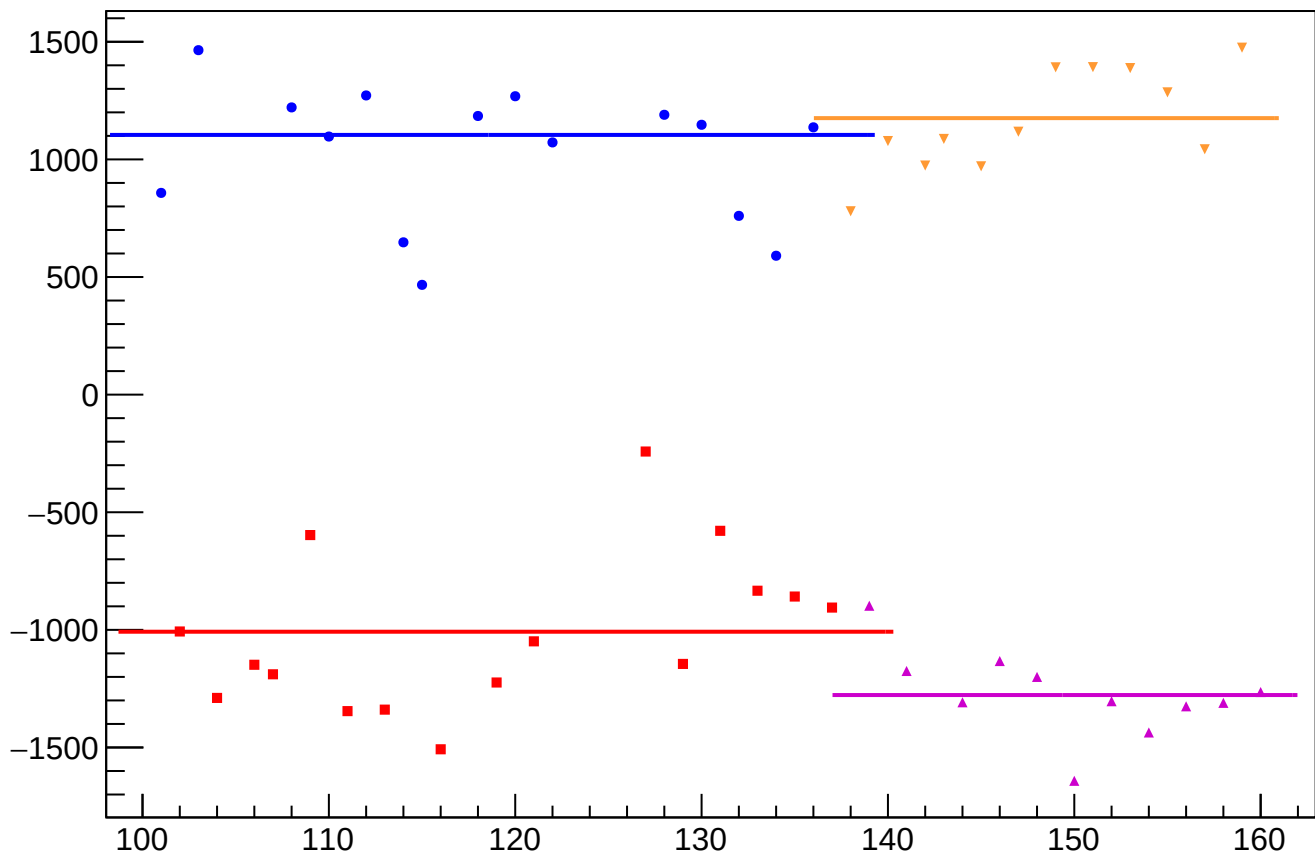
Right In: 1761.245 $\pm$ 0.000 χ^2 /NDF: 332206925976055306953064744993096204288.0/14
 Left Out: 3175.502 $\pm$ 0.000 χ^2 /NDF: 347291191980203589558827802227239813120.0/11
 Right Out: -1479.801 $\pm$ 0.000 χ^2 /NDF: 263467768134780968832551238609236131840.0/15
 Left In: -3423.018 $\pm$ 0.000 χ^2 /NDF: 7453703884208882463869581727568494592.0/10
 All: -30.064 $\pm$ 0.000 χ^2 /NDF: 245618505677

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



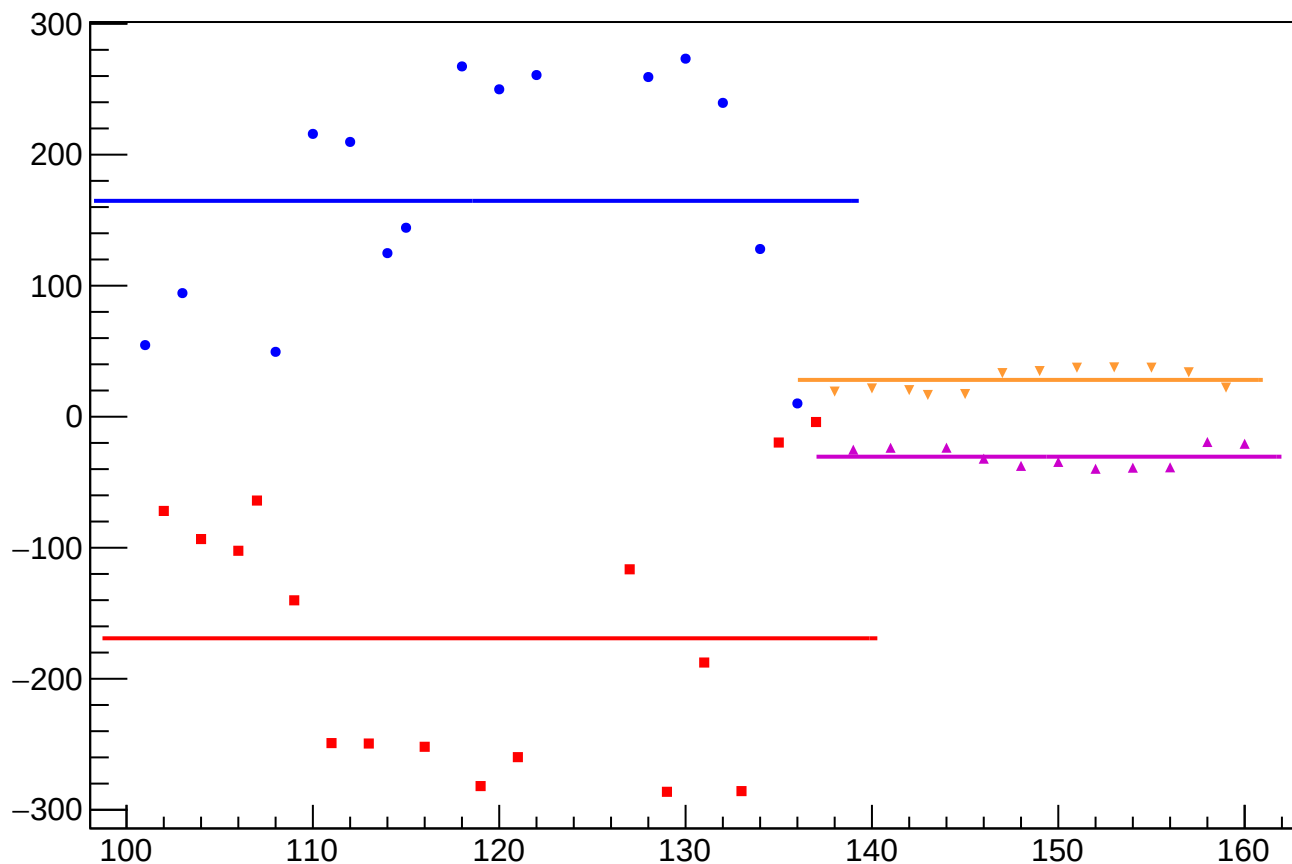
Right In: 82.422 ± 0.000 $\chi^2/\text{NDF}: 1263633347129443757477527241185296384.0/14$
 Left Out: 77.672 ± 0.000 $\chi^2/\text{NDF}: 112359425970115396973191851205984256.0/11$
 Right Out: -77.430 ± 0.000 $\chi^2/\text{NDF}: 1515456409368458038568290276111024128.0/15$
 Left In: -82.361 ± 0.000 $\chi^2/\text{NDF}: 88160536769186096496846966890692608.0/10$
 All: -0.960 ± 0.000 $\chi^2/\text{NDF}: 2318460638265$

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



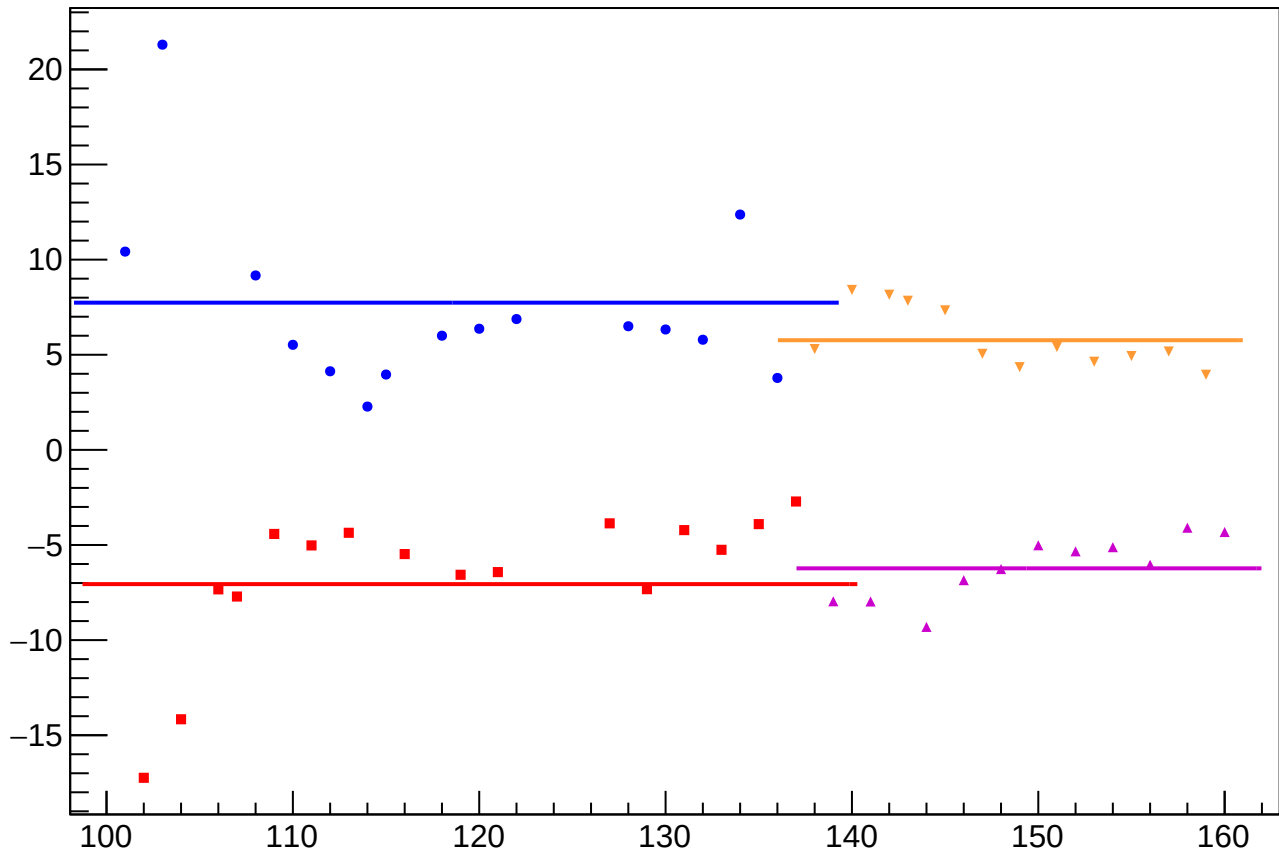
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1175.478 $\pm$ 0.000 χ^2 /NDF: 39966991584790626200337106489810354176.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.318 $\pm$ 0.000 χ^2 /NDF: 441314646270

dit_4aX_coil7_mean vs Slug, Sign Corrected



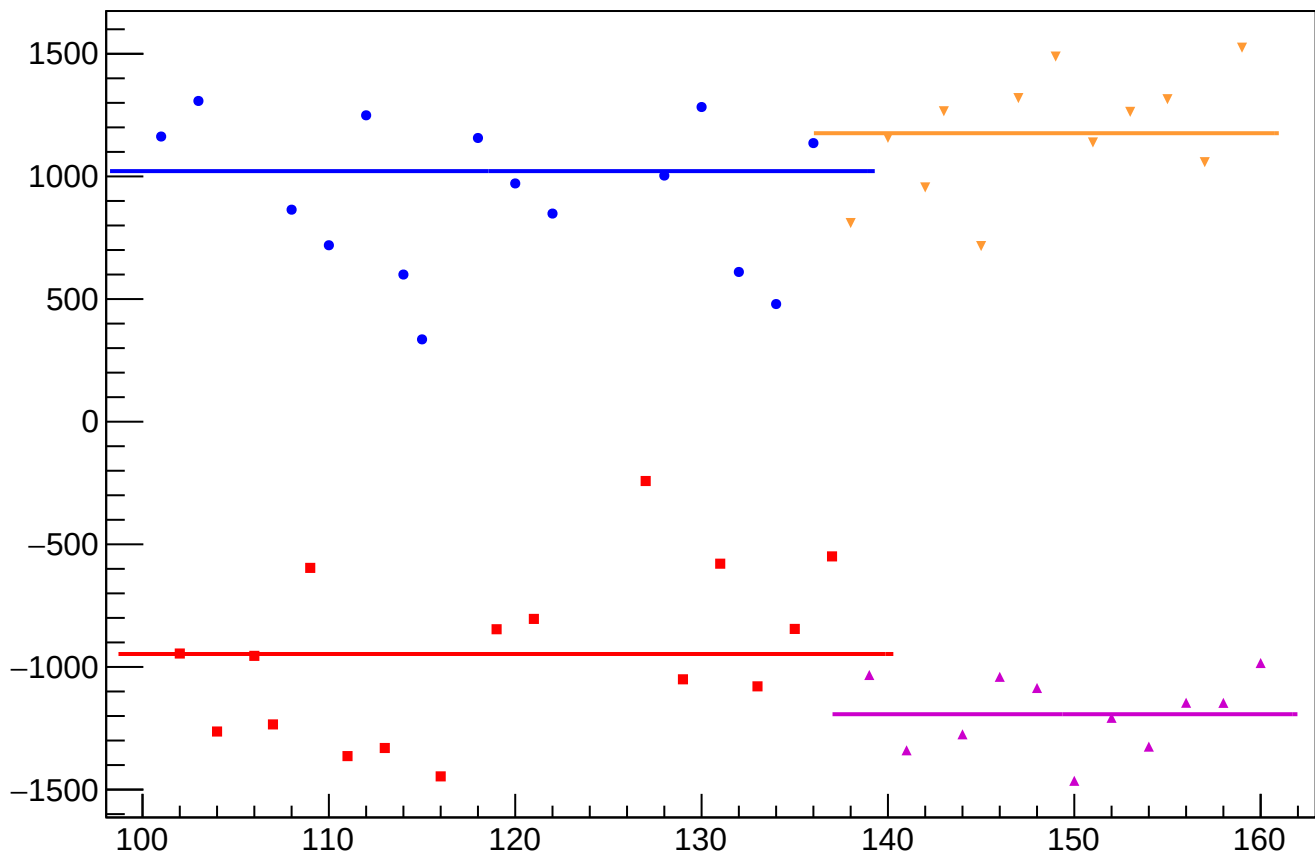
Left: -1.315 ± 0.000 $\chi^2/\text{NDF}: 16969654131032672$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.100 ± 0.000 $\chi^2/\text{NDF}: 63517357309911090447070669792346112.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 50.054 ± 0.000 $\chi^2/\text{NDF}: 209572439496556085$
 Out: -54.941 ± 0.000 $\chi^2/\text{NDF}: 2112137881381696$
 Left In: -30.507 ± 0.000 $\chi^2/\text{NDF}: 52600700148274049801586699671699456.0/10$
 All: -2.626 ± 0.000 $\chi^2/\text{NDF}: 5077924344541$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.738 $\pm$ 0.000 χ^2 /NDF: 15127215479234506007469492768079872.0/14
 Left Out: 5.764 $\pm$ 0.000 χ^2 /NDF: 2014473932574383690261327211659264.0/11
 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: 1691437180051

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242+/-0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145+/-0.000

χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687+/-0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

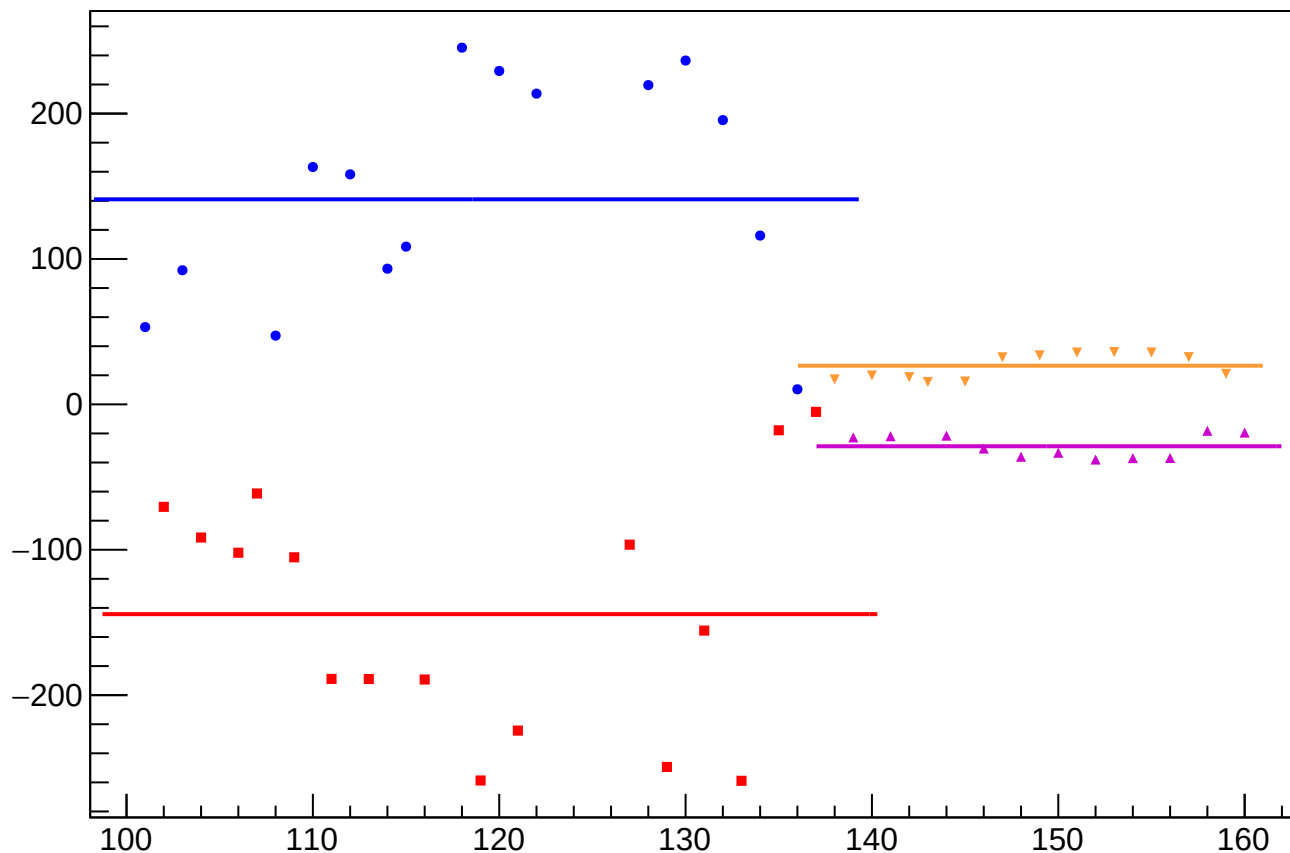
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

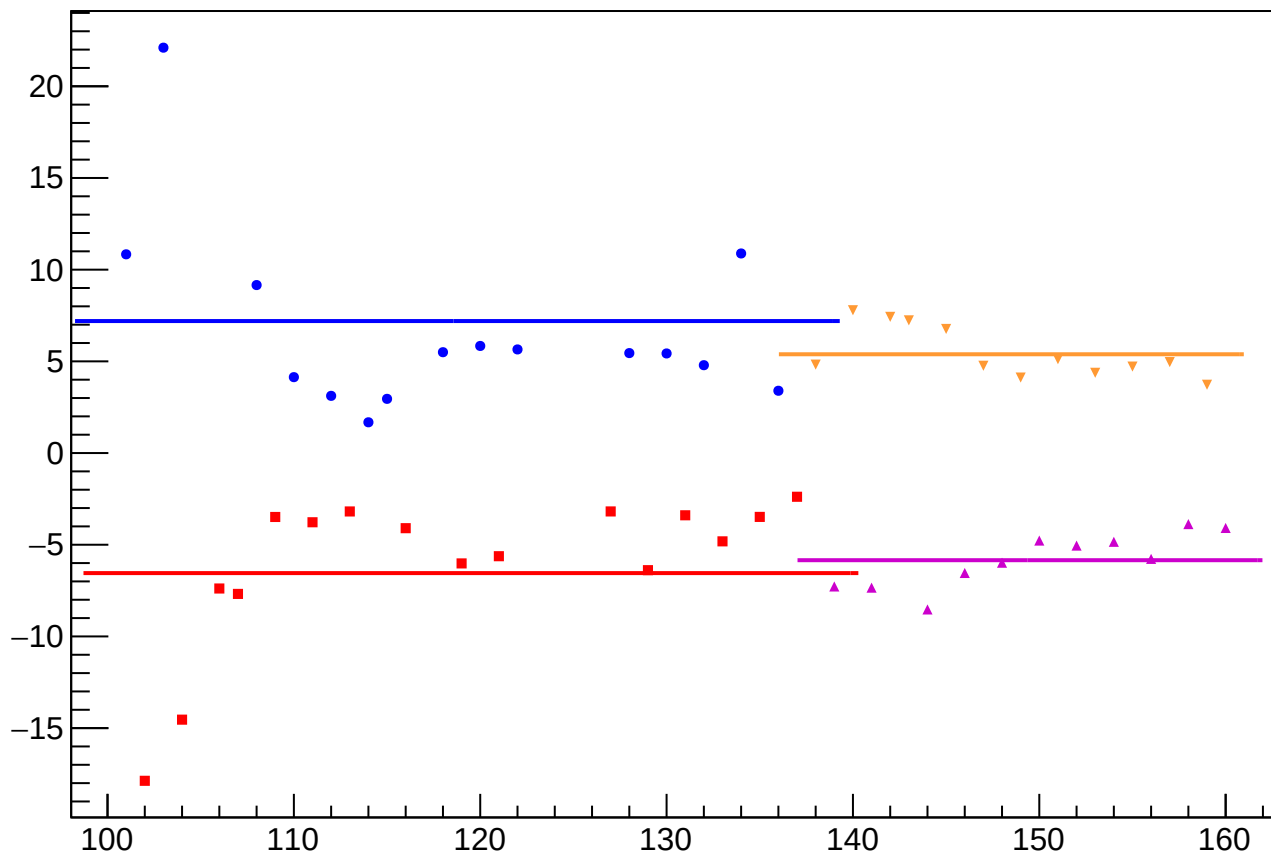
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_4eX_coil7_mean vs Slug, Sign Corrected



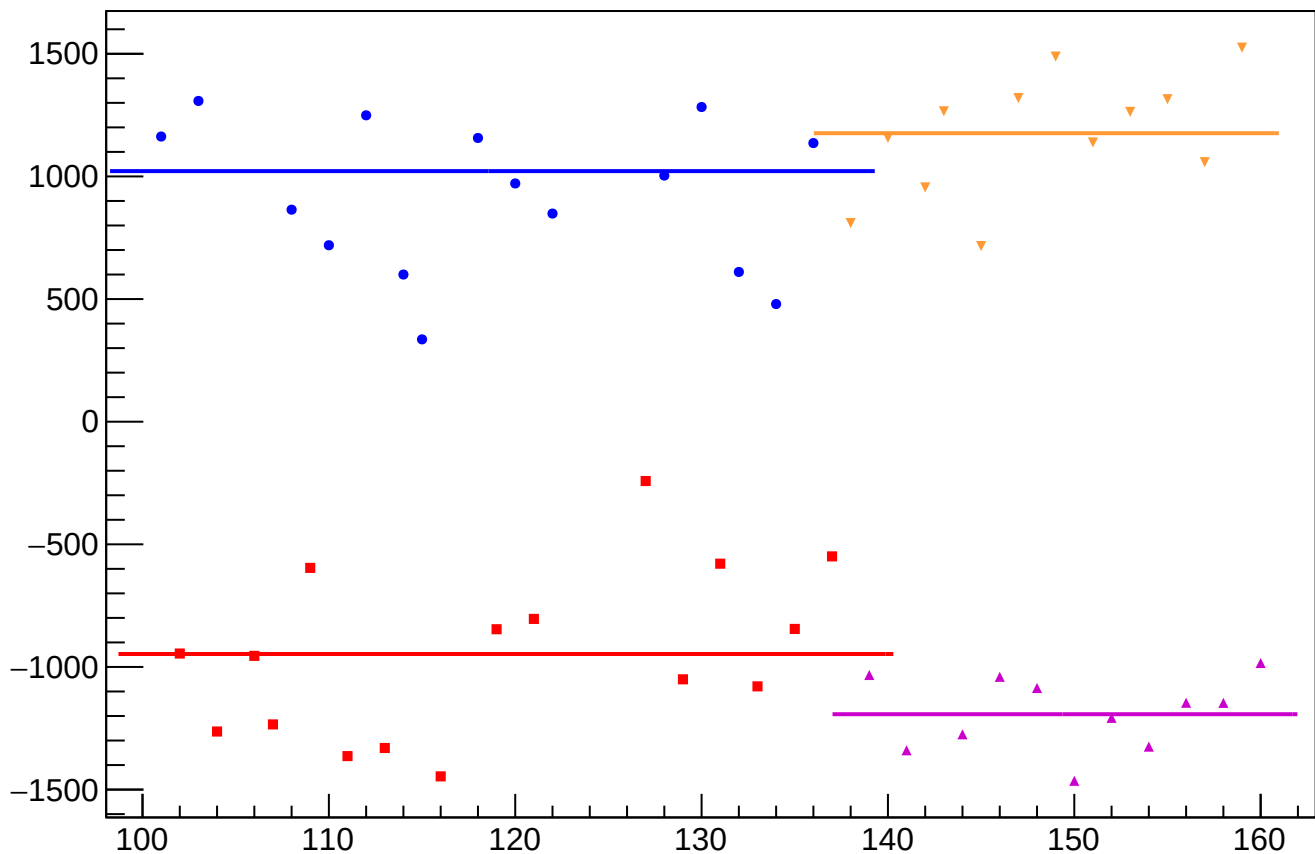
Left: -1.223 ± 0.000 $\chi^2/\text{NDF}: 15286596958341746$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Left Out: 26.582 ± 0.000 $\chi^2/\text{NDF}: 63880546932393658050614652141830144.0/11$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 Left In: -28.817 ± 0.000 $\chi^2/\text{NDF}: 52309797532132393990553277307027456.0/10$
 All: -2.204 ± 0.000 $\chi^2/\text{NDF}: 3708629931644$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



Left: -0.250 ± 0.000 χ^2/NDF : 61475661357383771
 Right In: 7.198 ± 0.000 χ^2/NDF : 18212640728502785337831966963138560.0/14
 Right: 0.232 ± 0.000 χ^2/NDF : 94430884745367791
 Left Out: 5.387 ± 0.000 χ^2/NDF : 1602138249882478814835943843823616.0/11
 In: -0.463 ± 0.000 χ^2/NDF : 848816588920174735
 Right Out: -6.547 ± 0.000 χ^2/NDF : 14078912505116068936230809834094592.0/15
 Out: 0.362 ± 0.000 χ^2/NDF : 706663697105206630
 Left In: -5.843 ± 0.000 χ^2/NDF : 1832786837102707862400537806766080.0/10
 All: -0.049 ± 0.000 χ^2/NDF : 1560843650902

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

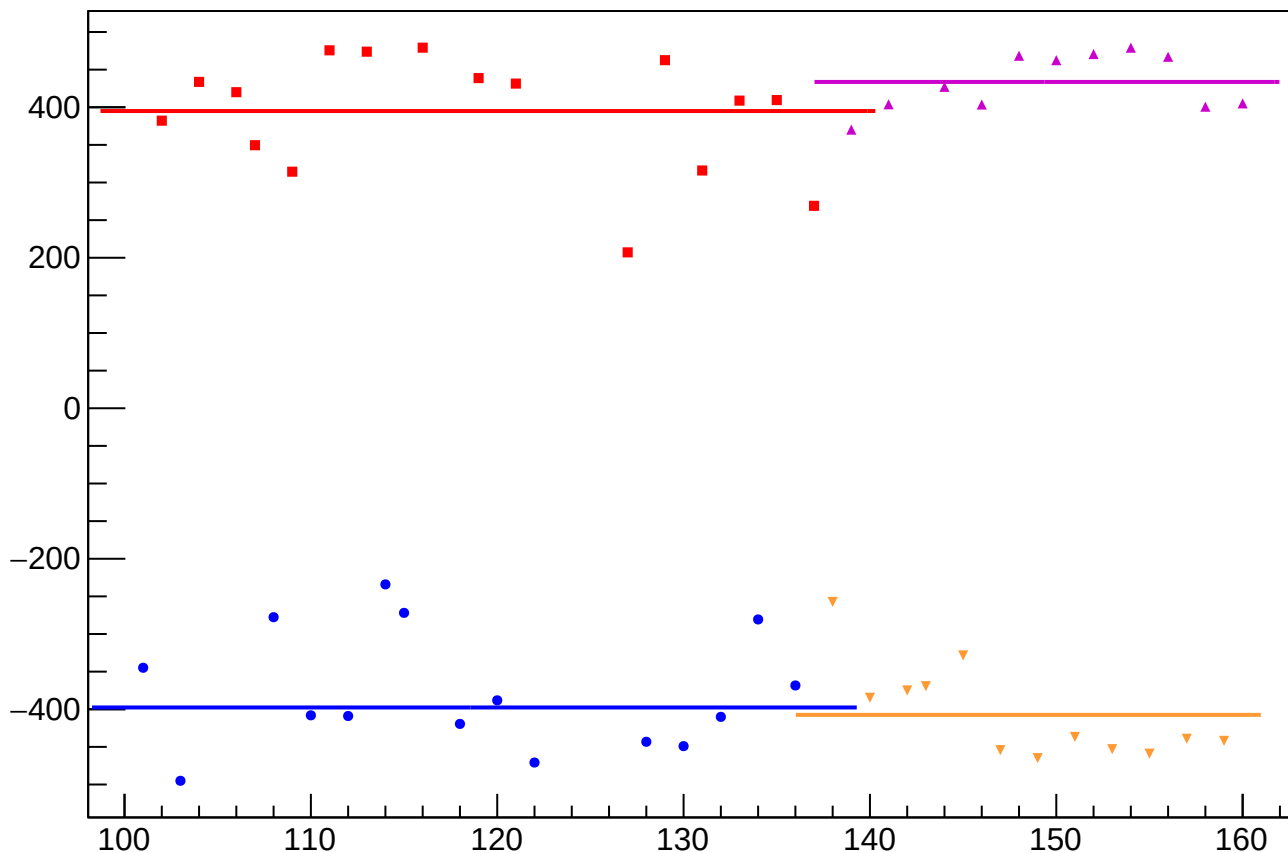
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

Left Out: -407.457+/-0.000

Right Out: 394.973+/-0.000

Left In: 433.664+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

χ^2/NDF : 3530254490804072685015705910637494272.0/11

χ^2/NDF : 3685595513427183501596165280874102784.0/15

χ^2/NDF : 1198237421385461104687495484599697408.0/10

Left: 14.703+/-0.000 χ^2/NDF : 33034351066378243

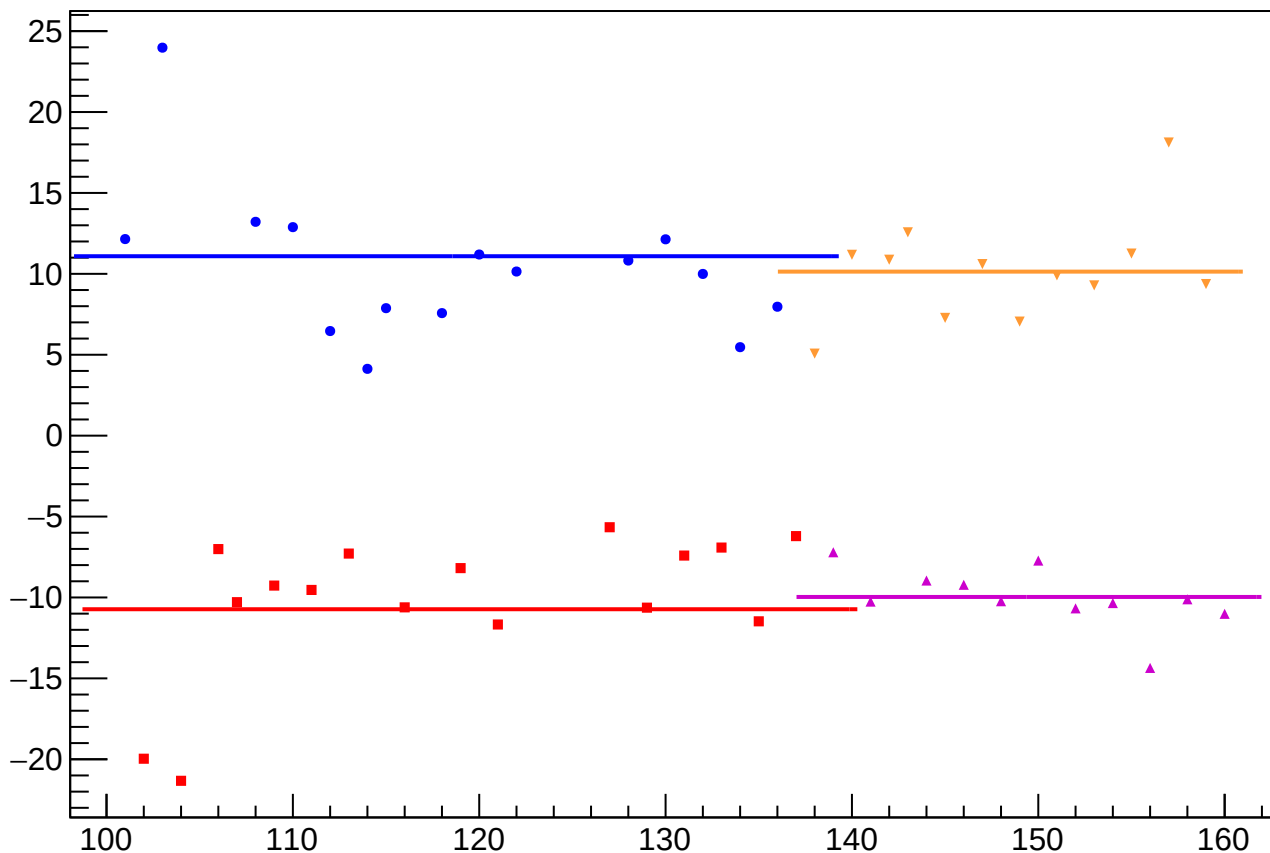
Right: 4.100+/-0.000 χ^2/NDF : 21298342988437283

In: 90.690+/-0.000 χ^2/NDF : 267298439260479340

Out: -69.565+/-0.000 χ^2/NDF : 2558458323075141

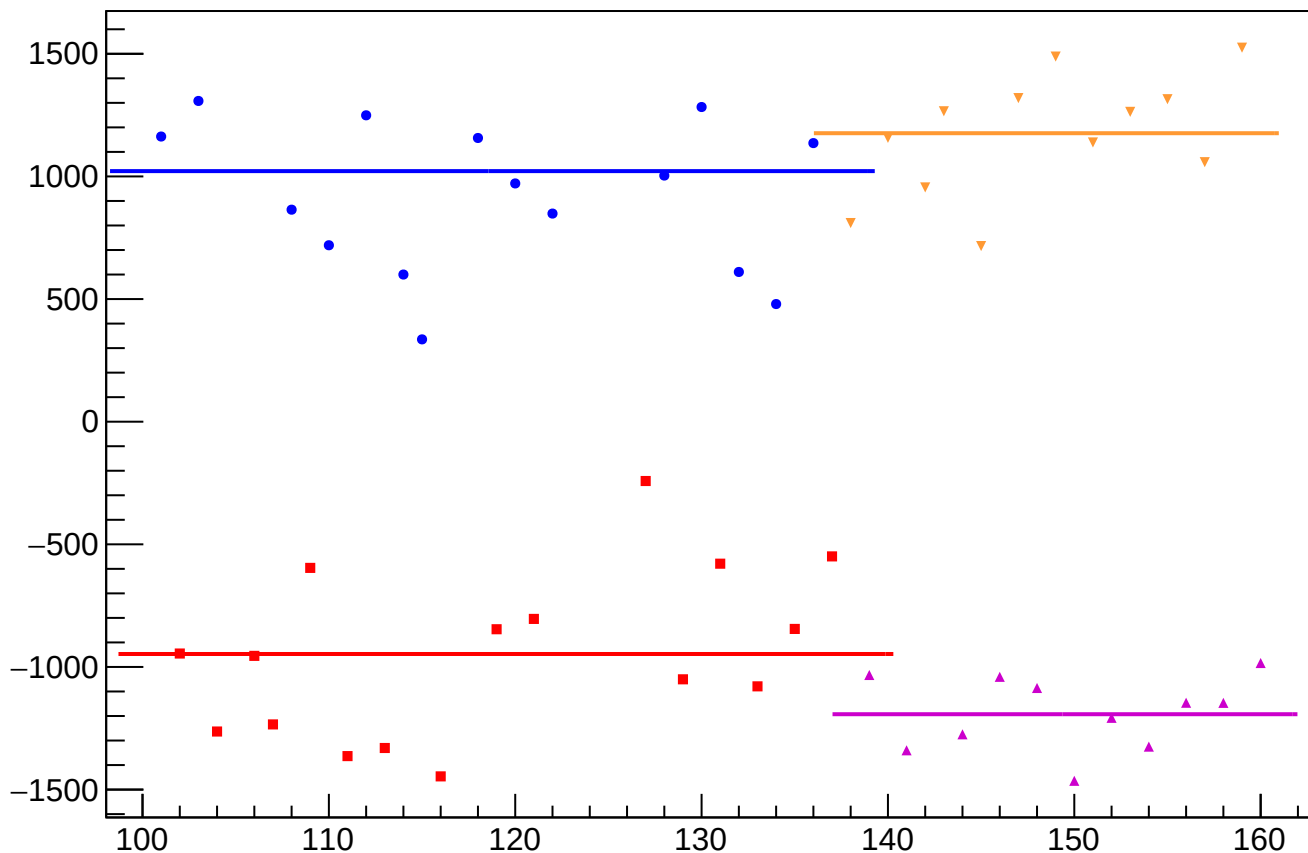
All: 10.283+/-0.000 χ^2/NDF : 5434132132493

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 11.089 $\pm$ 0.000 χ^2 /NDF: 14235991122014984478163351266918400.0/14
 Left Out: 10.137 $\pm$ 0.000 χ^2 /NDF: 9233961900502442042562315288576000.0/11
 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: 38375780972276

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 1925528738372820562654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

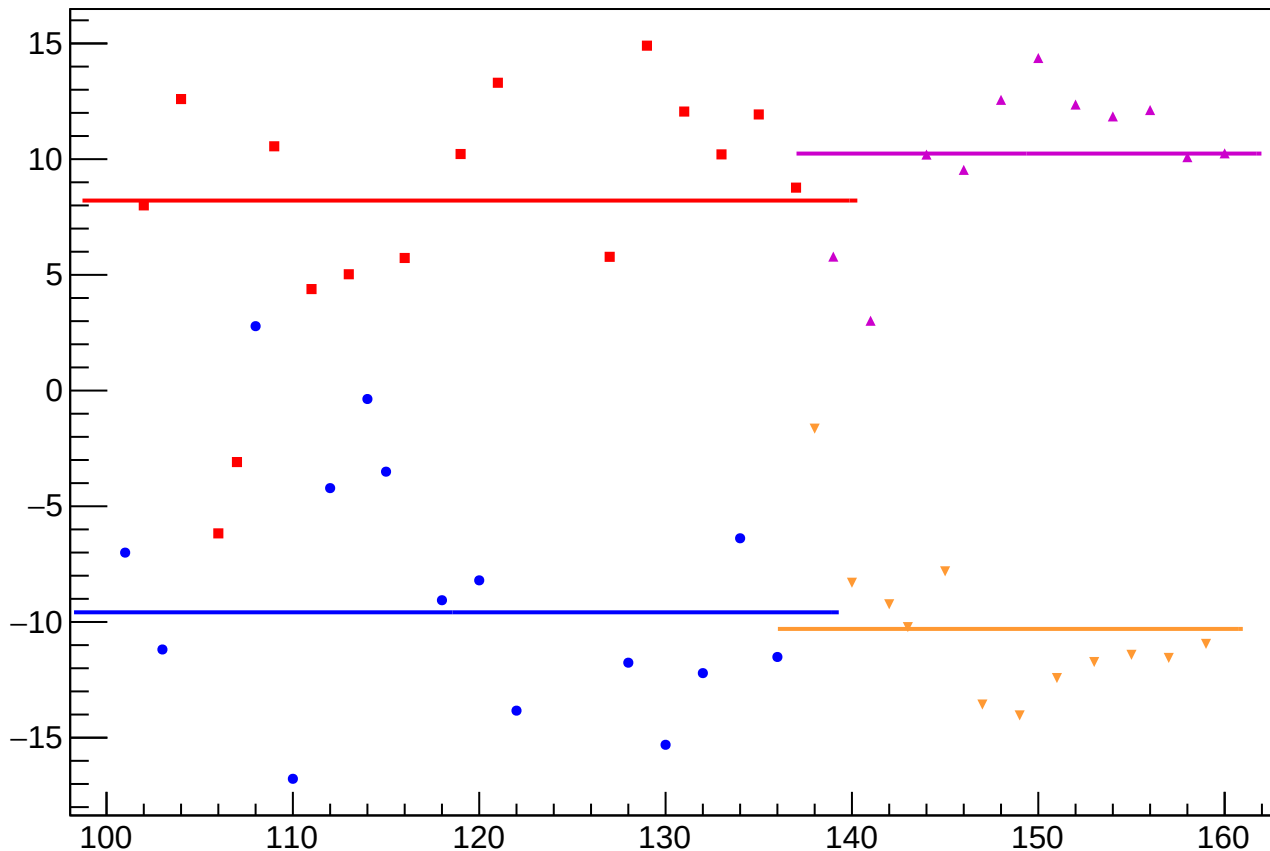
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.582+/-0.000

χ^2/NDF : 14702679983940002820806471963377664.0/14

Left Out: -10.300+/-0.000

χ^2/NDF : 9506877601099056155644993577418752.0/11

Right Out: 8.211+/-0.000

χ^2/NDF : 18304237293835961465605754204454912.0/15

Left In: 10.241+/-0.000

χ^2/NDF : 8992829088408430483485977772818432.0/10

Left: 0.010+/-0.000 χ^2/NDF : 212694162035822707

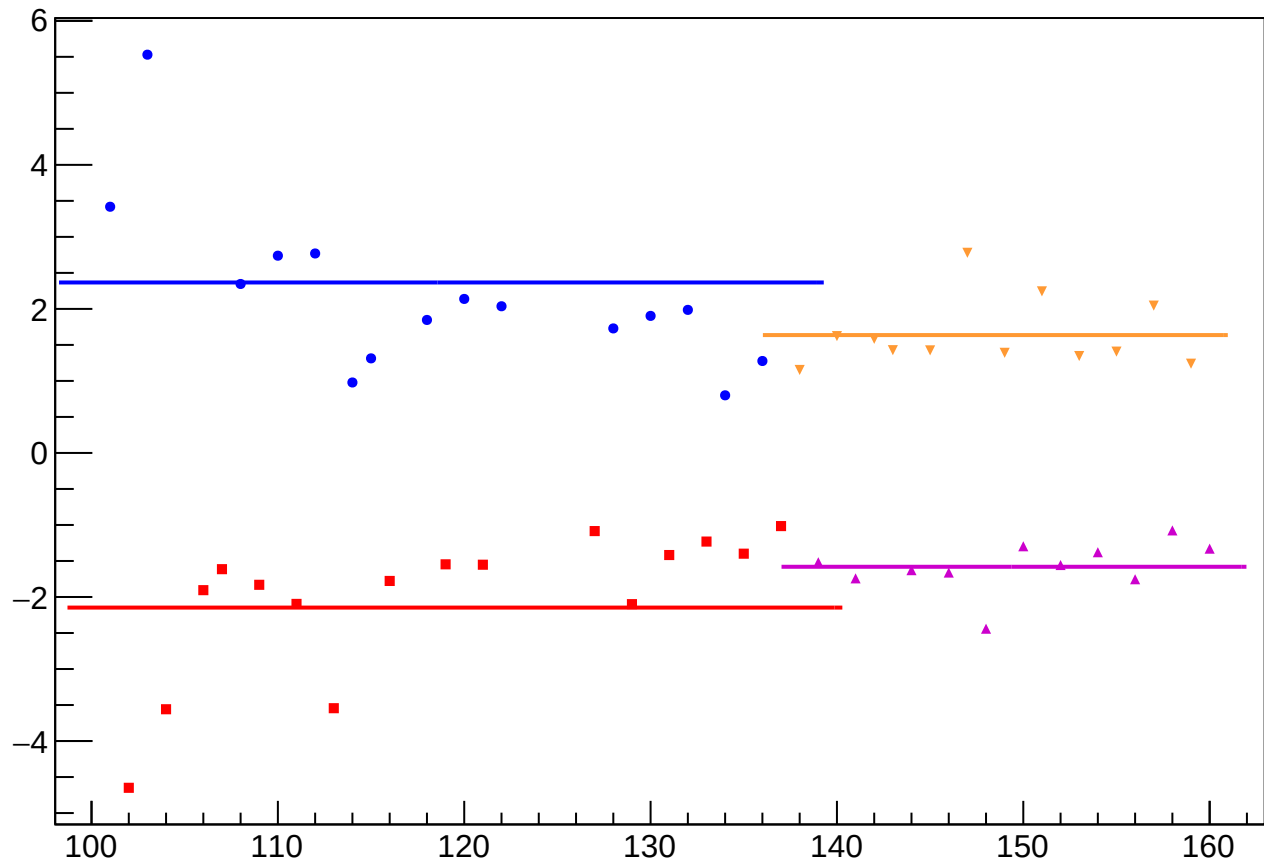
Right: -0.564+/-0.000 χ^2/NDF : 1371493250181668

In: 2.062+/-0.000 χ^2/NDF : 1735093437250268156

Out: -2.505+/-0.000 χ^2/NDF : 16012140379584636

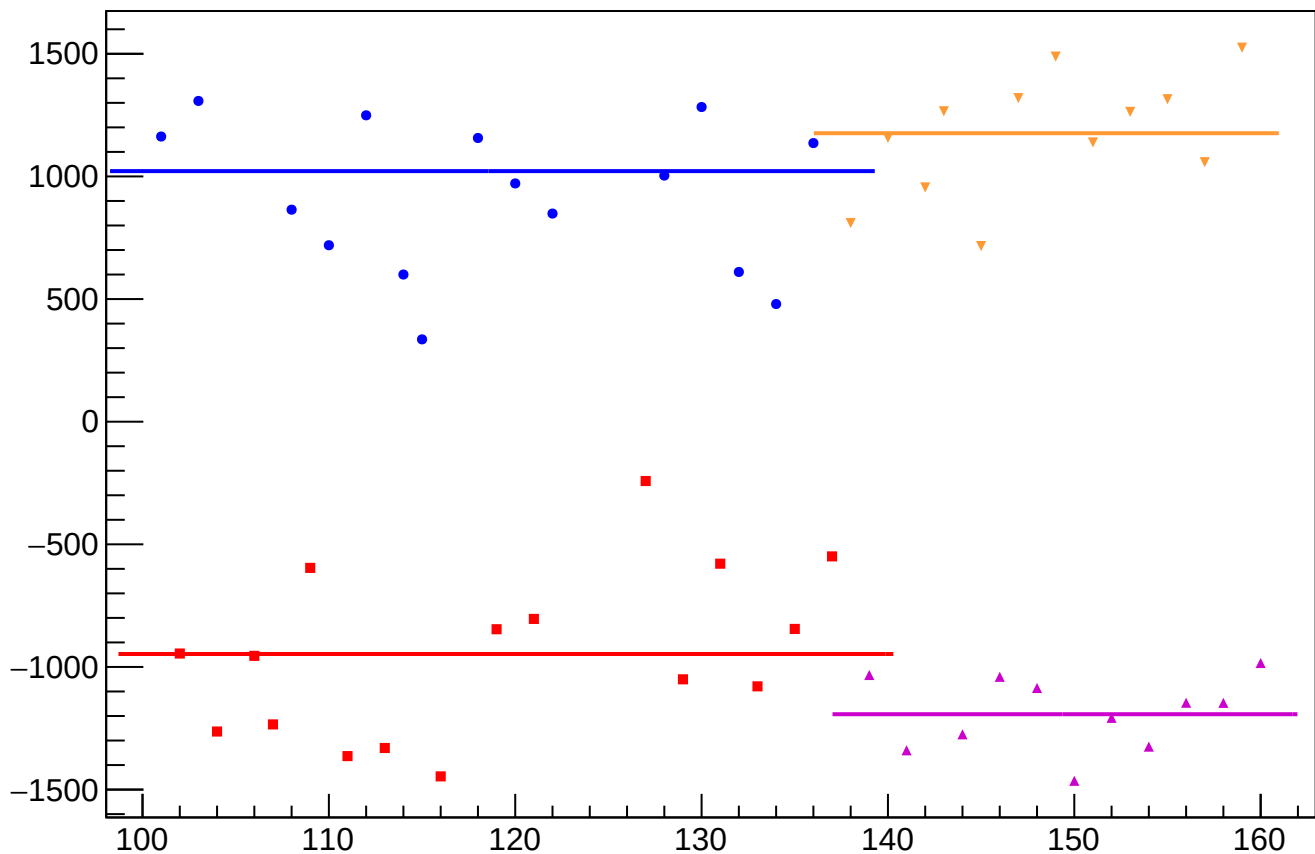
All: -0.229+/-0.000 χ^2/NDF : 3500960863044

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.367 +/- 0.000 χ^2/NDF : 920633294546152876922066767446016.0/14
 Left Out: 1.637 +/- 0.000 χ^2/NDF : 197584846951597051944769289191424.0/11
 Right Out: -2.147 +/- 0.000 χ^2/NDF : 764171992480224478656127555338240.0/15
 Left In: -1.580 +/- 0.000 χ^2/NDF : 104159820106689813353171792166912.0/10
 All: 0.046 +/- 0.000 χ^2/NDF : 13455208592598

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

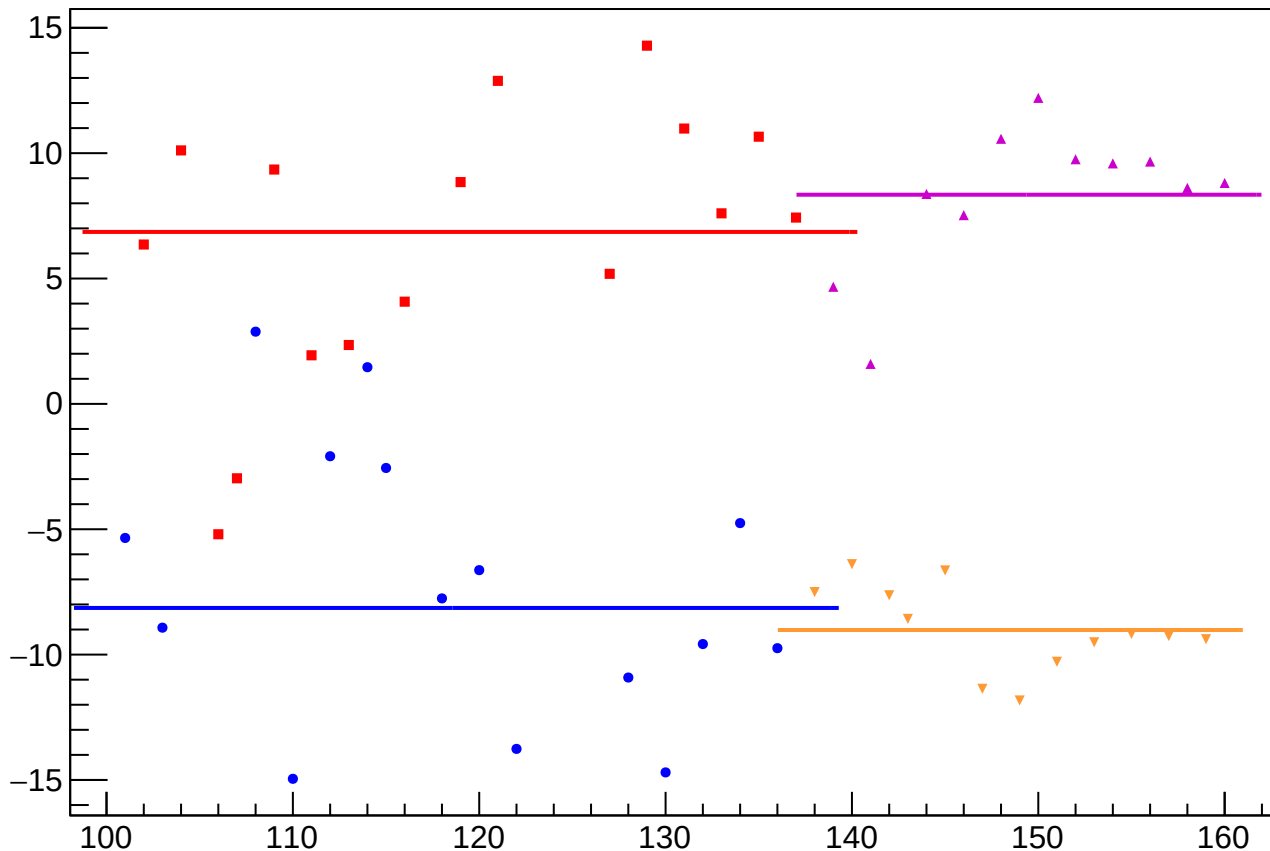
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

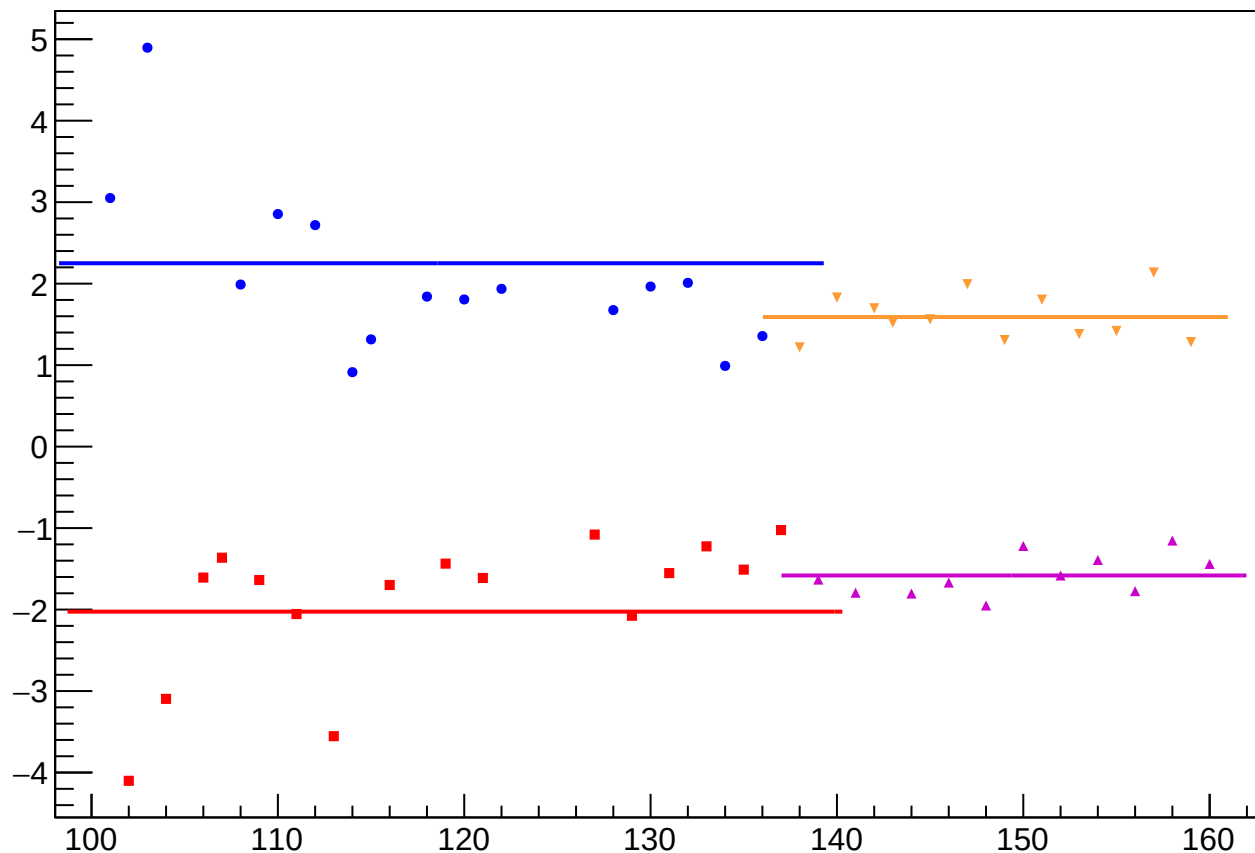
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_4eY_coil7_mean vs Slug, Sign Corrected



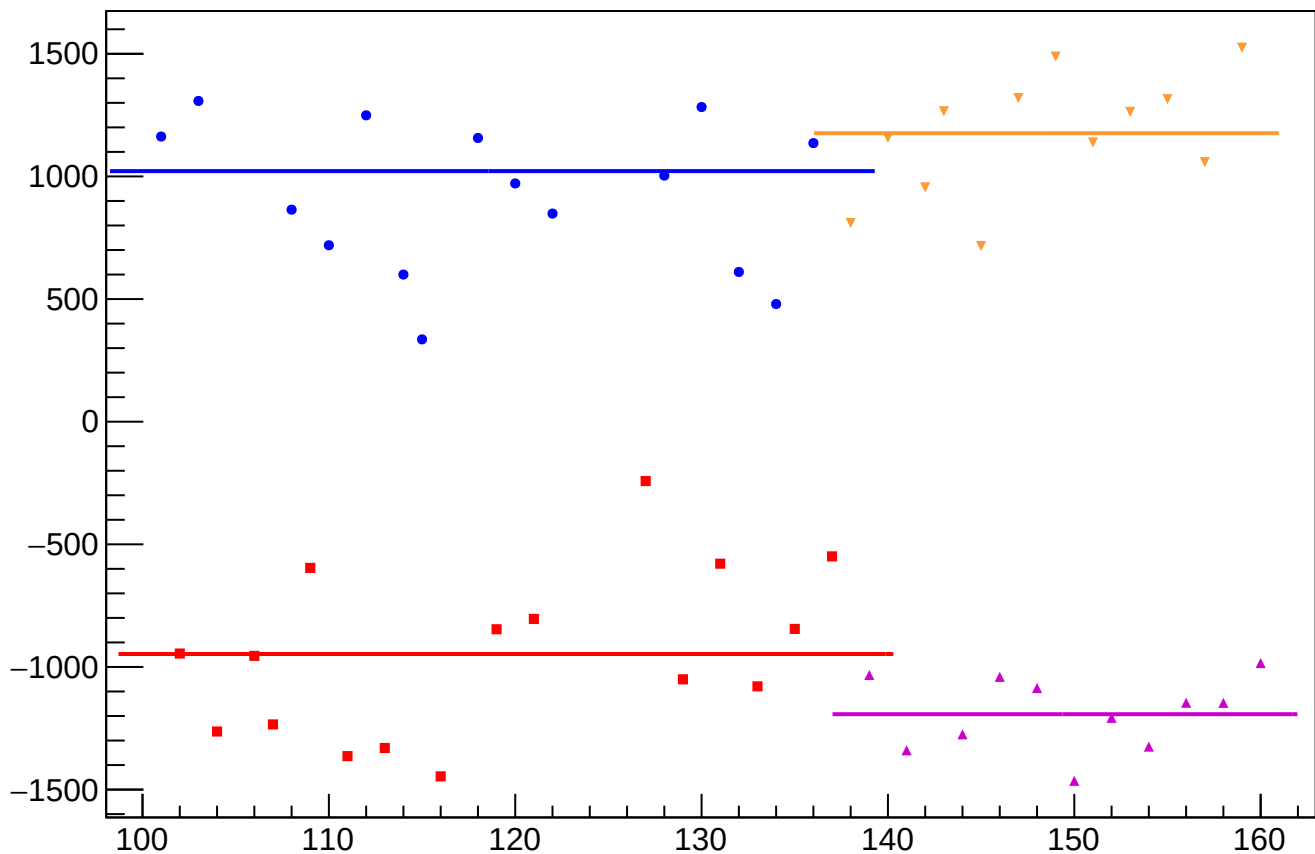
Right In: -8.139 ± 0.000 χ^2/NDF : 14676442649222120372533779893321728.0/14
 Left Out: -9.019 ± 0.000 χ^2/NDF : 2556393635520144823493802684579840.0/11
 Right Out: 6.859 ± 0.000 χ^2/NDF : 16483631561591790731352632153079808.0/15
 Left In: 8.343 ± 0.000 χ^2/NDF : 7268690948063694771204756789526528.0/10
 All: -0.402 ± 0.000 χ^2/NDF : 2537437015122

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.250 ± 0.000 χ^2/NDF : 656774588136274816295442701090816.0/14
 Left Out: 1.590 ± 0.000 χ^2/NDF : 76554351114693669605218090745856.0/11
 Right Out: -2.025 ± 0.000 χ^2/NDF : 578717441762956454616505599918080.0/15
 Left In: -1.582 ± 0.000 χ^2/NDF : 54930988145763434904897999339520.0/10
 All: 0.034 ± 0.000 χ^2/NDF : 12016412328768

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

χ^2/NDF : 67784656011936521511169668028018196480.0/15

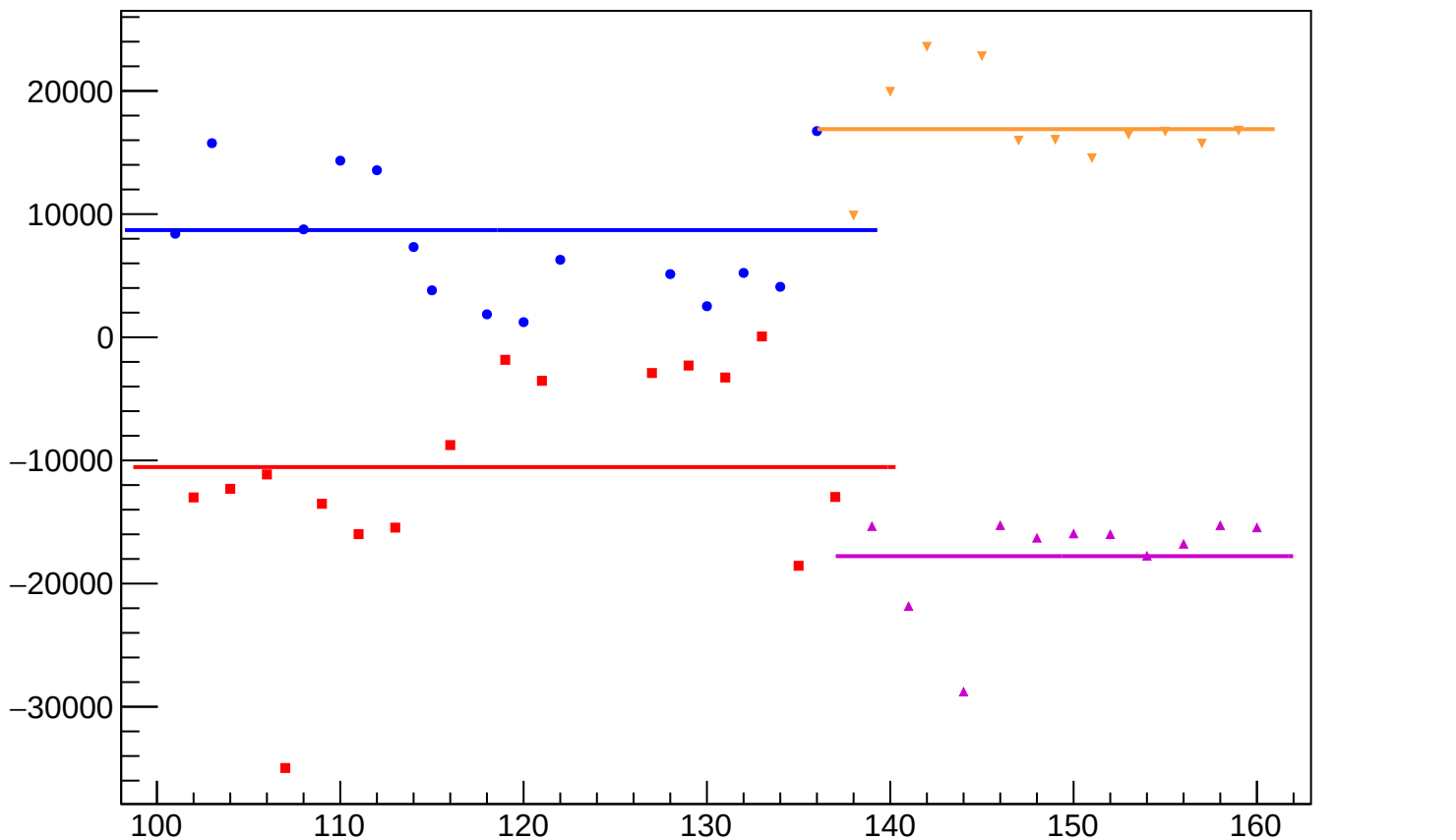
Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000

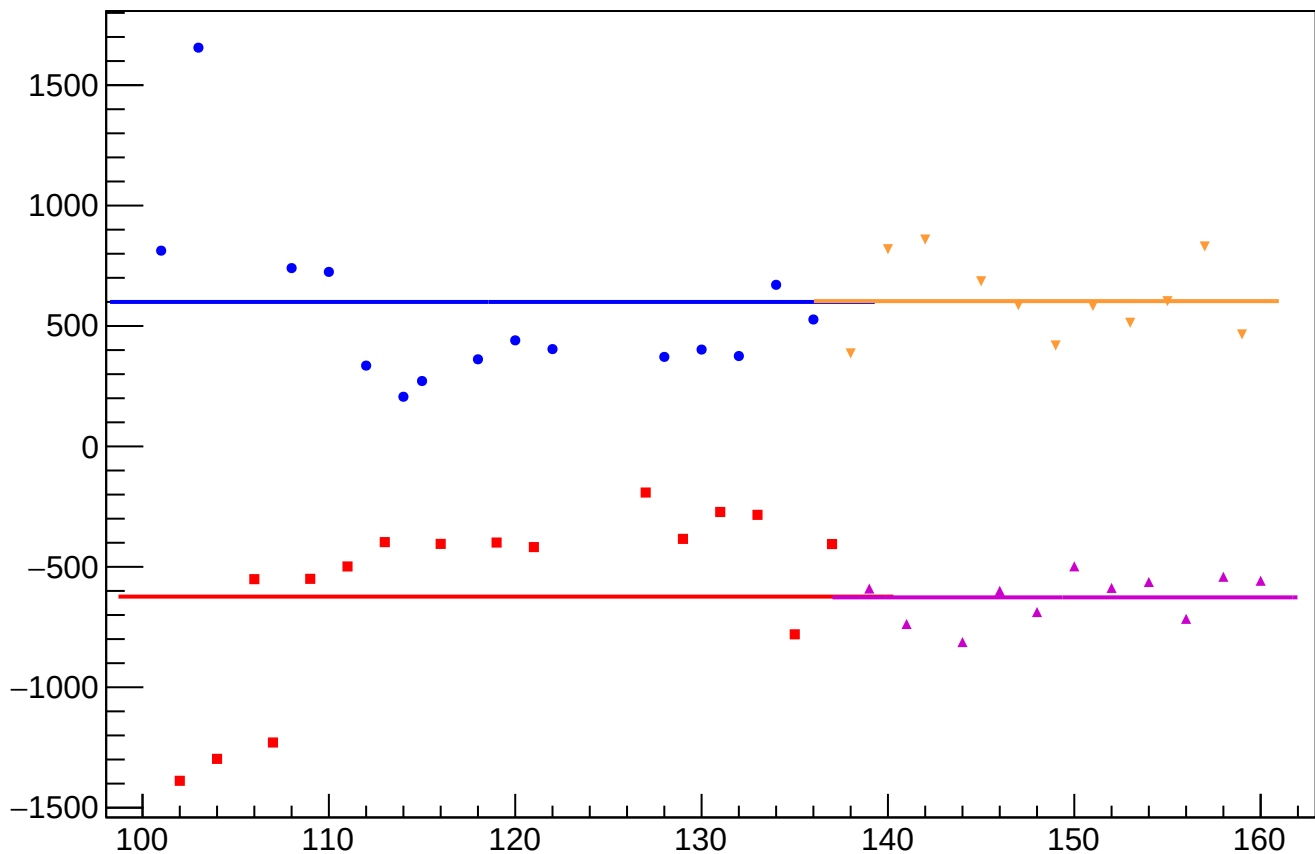
χ^2/NDF : 40397791098983

dit_usl_coil7_mean vs Slug, Sign Corrected



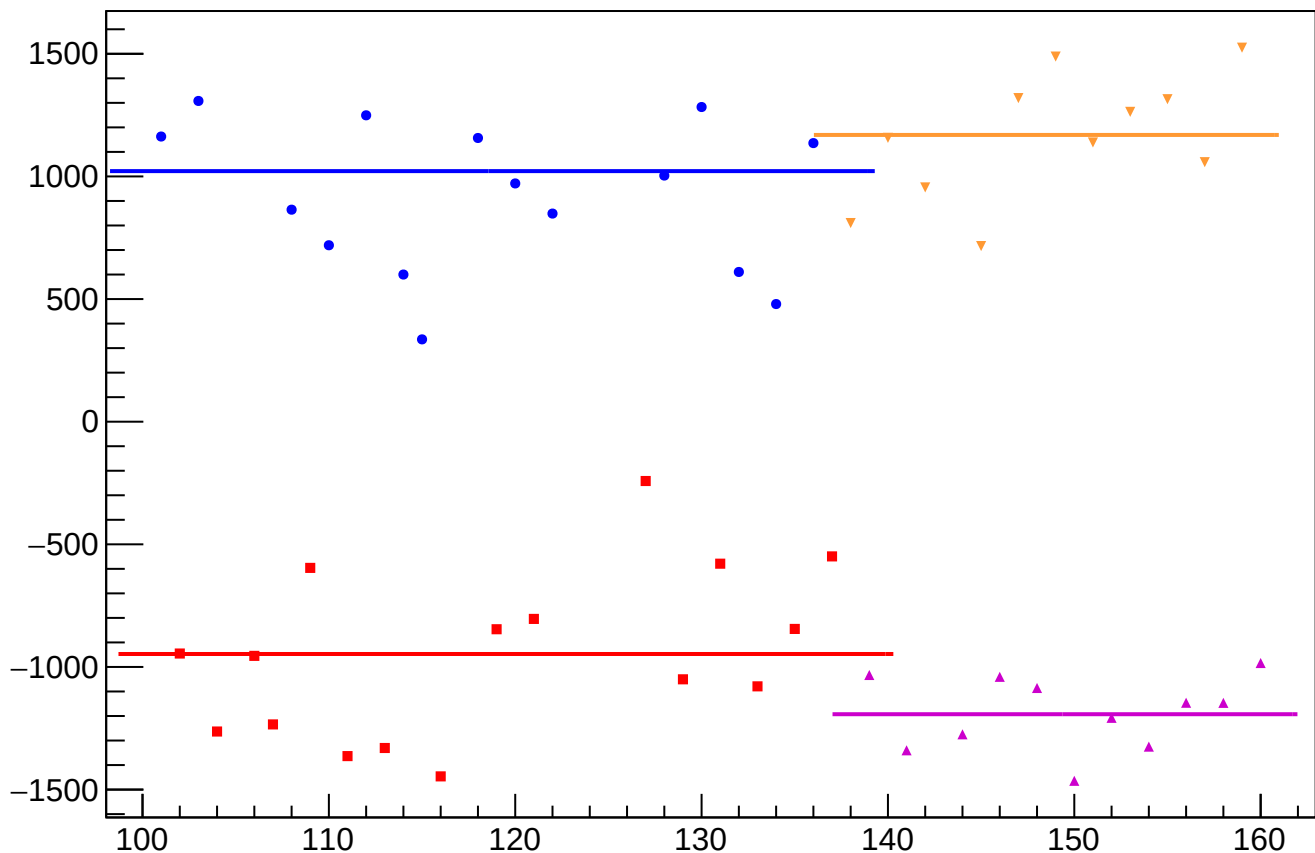
Left: -1160.813+/-0.000 χ^2/NDF : 55729109500245
 Right In: 8703.332+/-0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Left Out: 16897.725+/-0.000 χ^2/NDF : 10176252623828635713405692864230091390976.0/10
 Right Out: -10539.327+/-0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Left In: -17773.103+/-0.000 χ^2/NDF : 14926066991142889452676587552618632445952.0/10
 All: -1113.447+/-0.000 χ^2/NDF : 7448275665

dit_usl_coil7_err_mean vs Slug, Sign Corrected



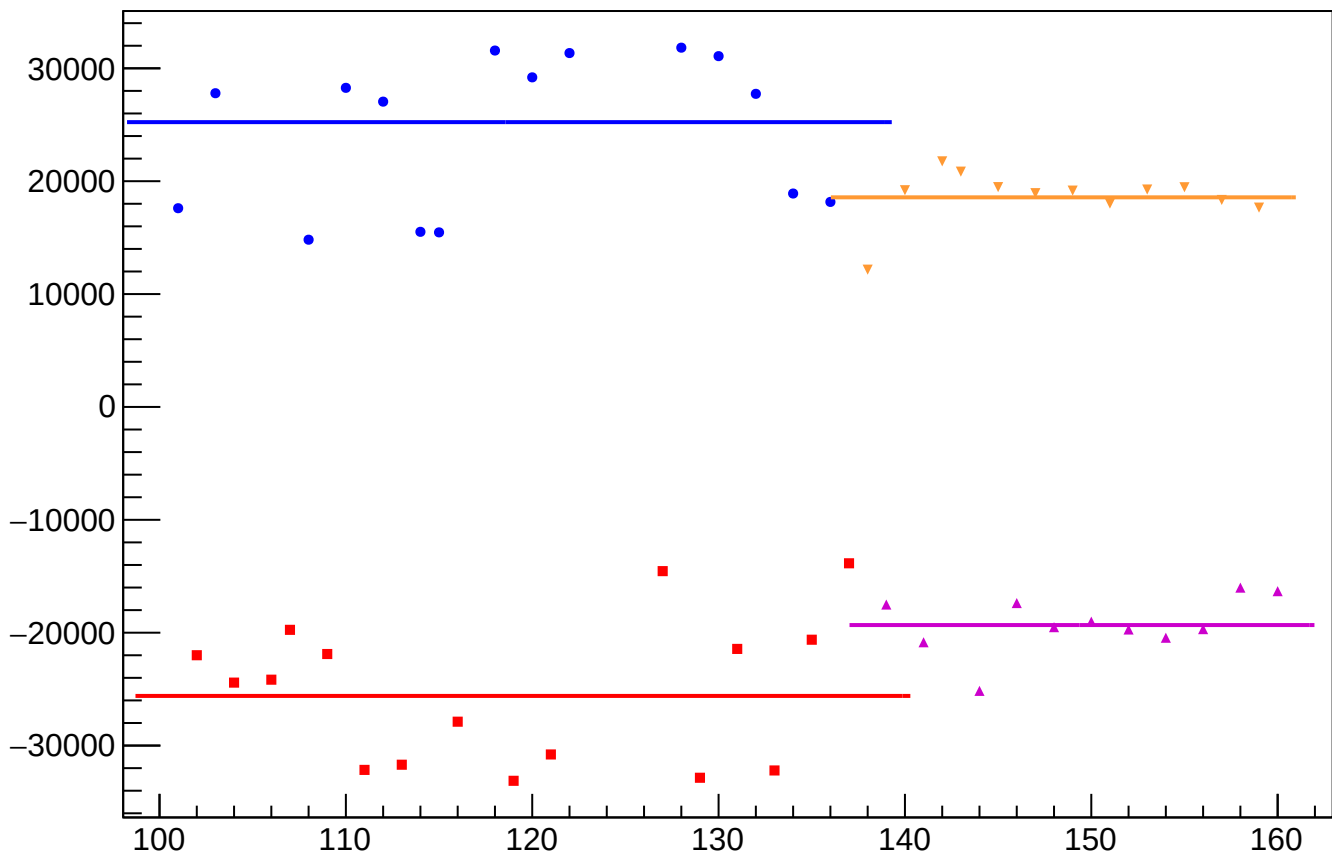
Right In: 599.849+/-0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 603.317+/-0.000 χ^2/NDF : 20231084325408050976710009900855459840.0/10
 Right Out: -623.569+/-0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785+/-0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.080+/-0.000 χ^2/NDF : 138158678940

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



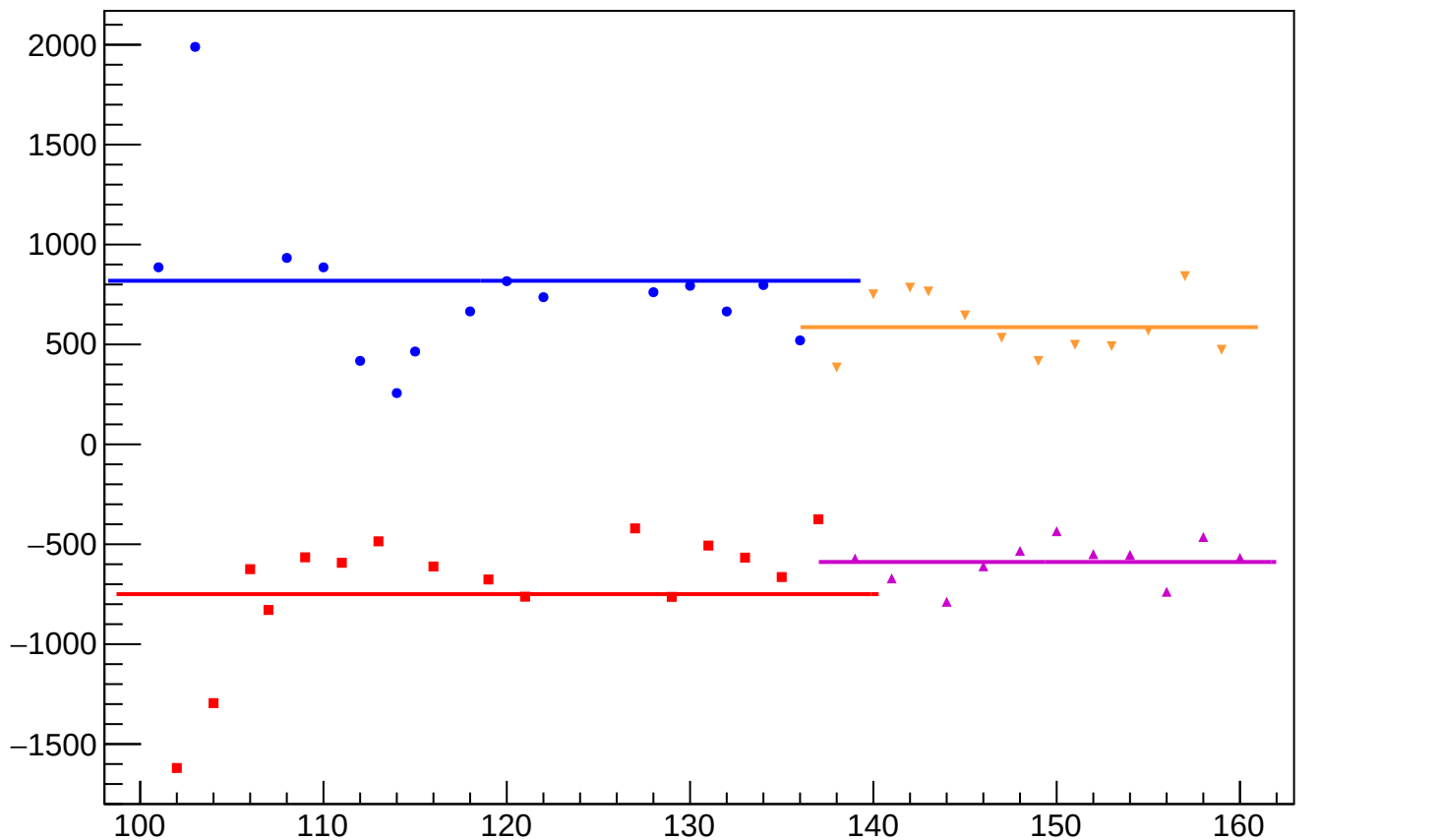
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1169.193+/-0.000 χ^2/NDF : 52777446675178529289654408188899885056.0/10
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687+/-0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.887+/-0.000 χ^2/NDF : 393055602424

dit_usr_coil7_mean vs Slug, Sign Corrected



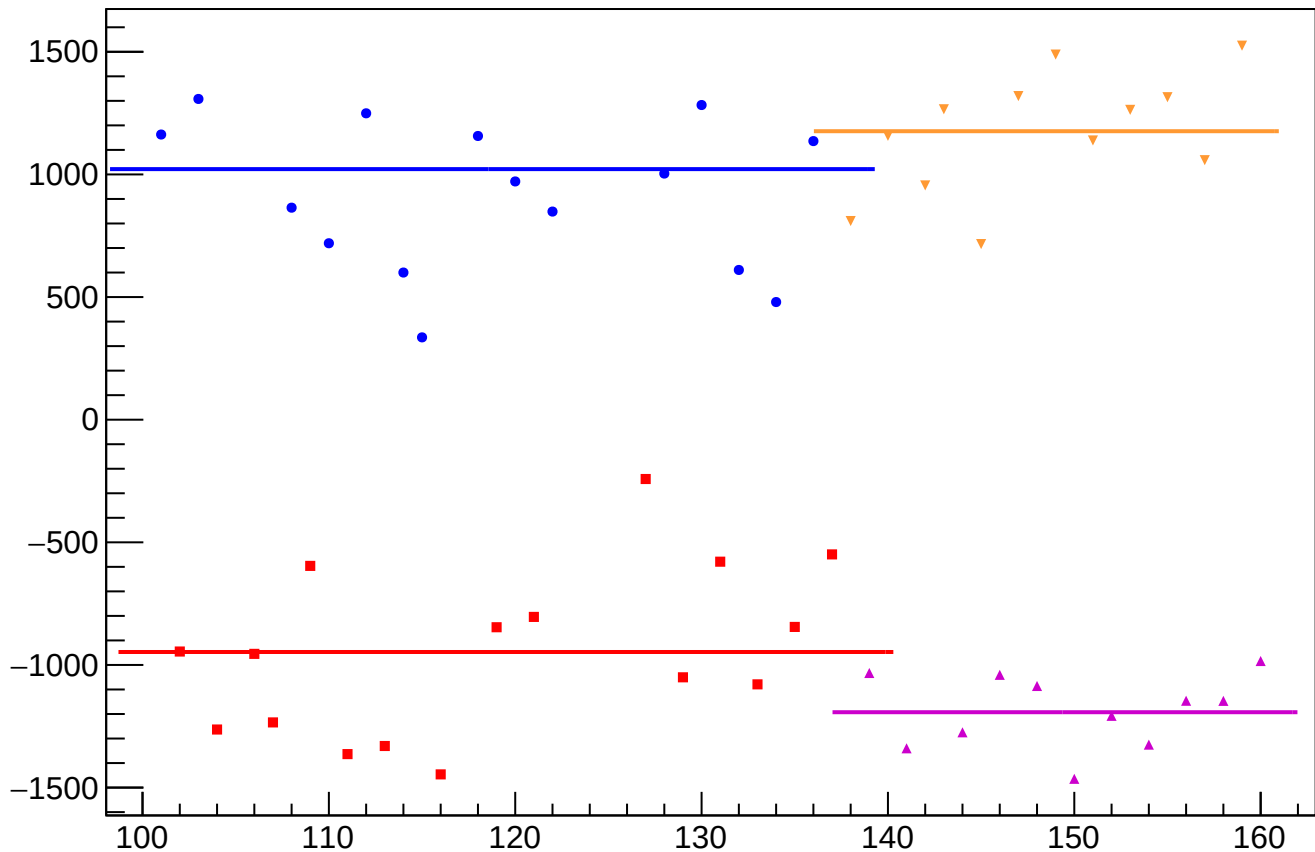
Left: -448.697 +/- 0.000 χ^2/NDF : 670706446890789
 Right In: 25232.229 +/- 0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Right: -532.226 +/- 0.000 χ^2/NDF : 89888992461613
 Left Out: 18569.658 +/- 0.000 χ^2/NDF : 4355453929949745896740569008121325813760.0/11
 In: -940.058 +/- 0.000 χ^2/NDF : 7868508361919144
 Right Out: -25601.388 +/- 0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Out: -30.145 +/- 0.000 χ^2/NDF : 7820974438326909
 Left In: -19322.974 +/- 0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.516 +/- 0.000 χ^2/NDF : 15696017258

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Left: -3.348 +/- 0.000 χ^2/NDF : 66529886275813901
 Right In: 818.668 +/- 0.000 χ^2/NDF : 105606527096911974489496802318373355520.0/14
 Right: 23.778 +/- 0.000 χ^2/NDF : 9926549473307925
 Left Out: 586.466 +/- 0.000 χ^2/NDF : 19798968336765265919175174287150546944.0/11
 In: -8.034 +/- 0.000 χ^2/NDF : 870601201099148606
 Right Out: -749.661 +/- 0.000 χ^2/NDF : 77972691834605708706145461250669150208.0/15
 Out: 23.842 +/- 0.000 χ^2/NDF : 78711536509326686
 Left In: -588.693 +/- 0.000 χ^2/NDF : 9904386894828699094725074481582178304.0/10
 All: 7.960 +/- 0.000 χ^2/NDF : 16585184603525

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

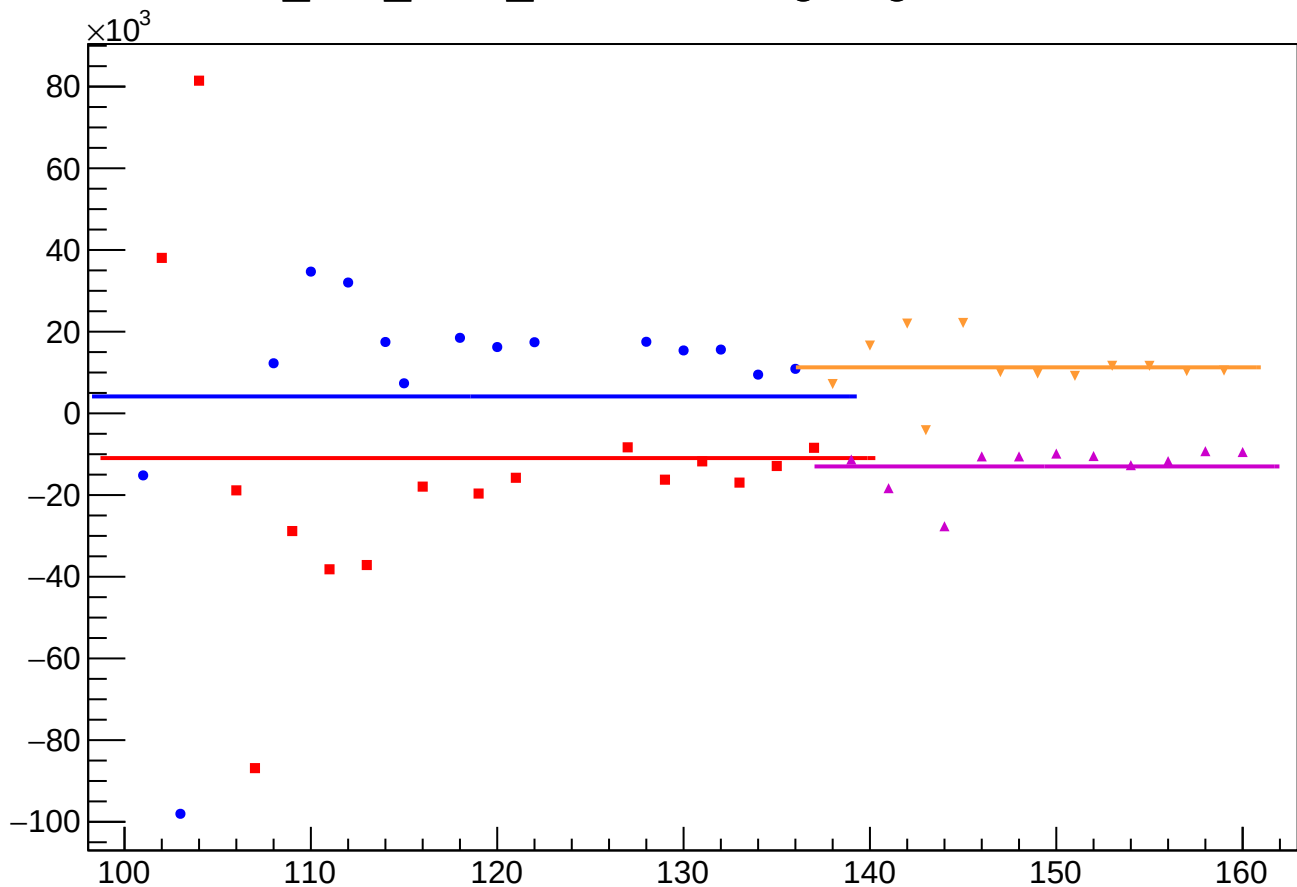
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

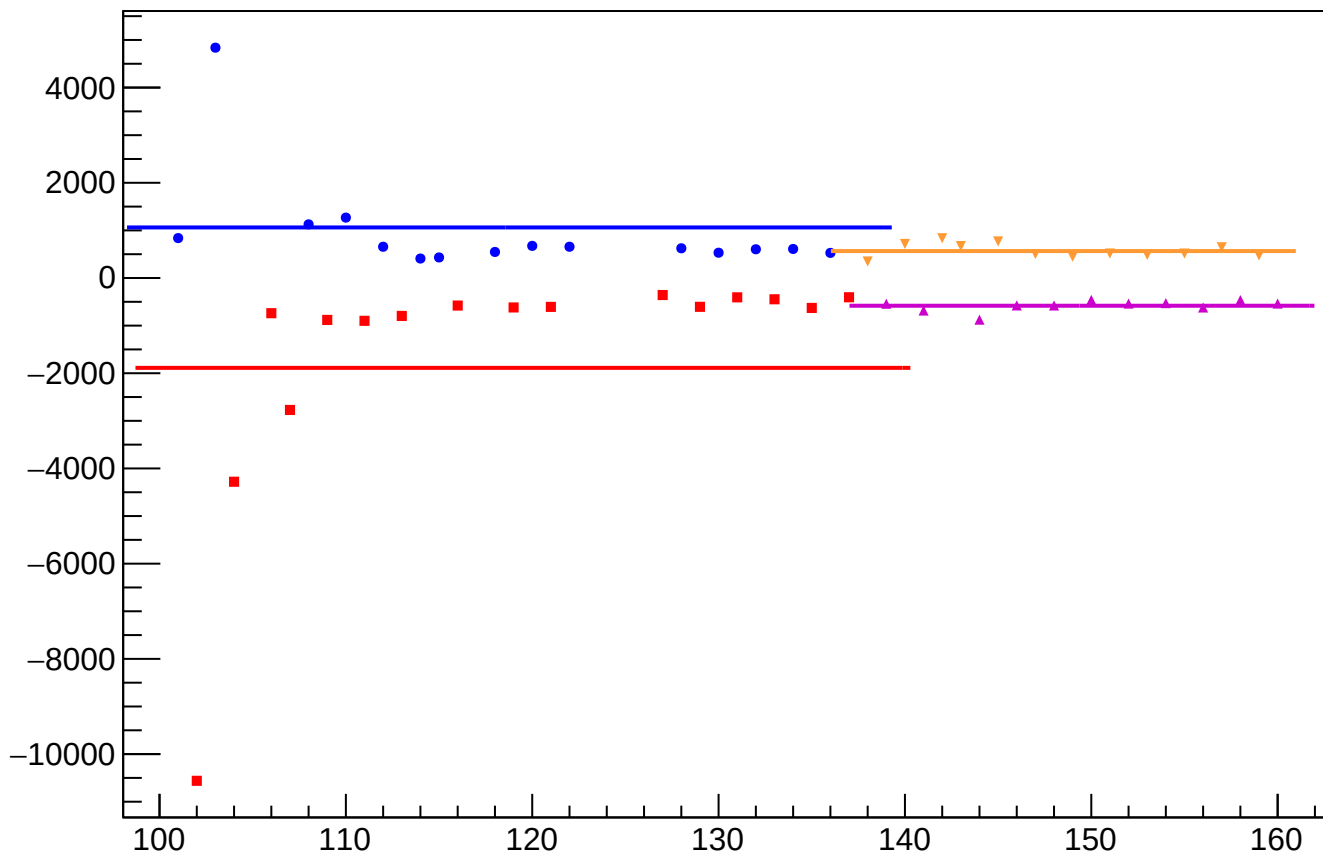
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atl1_coil7_mean vs Slug, Sign Corrected



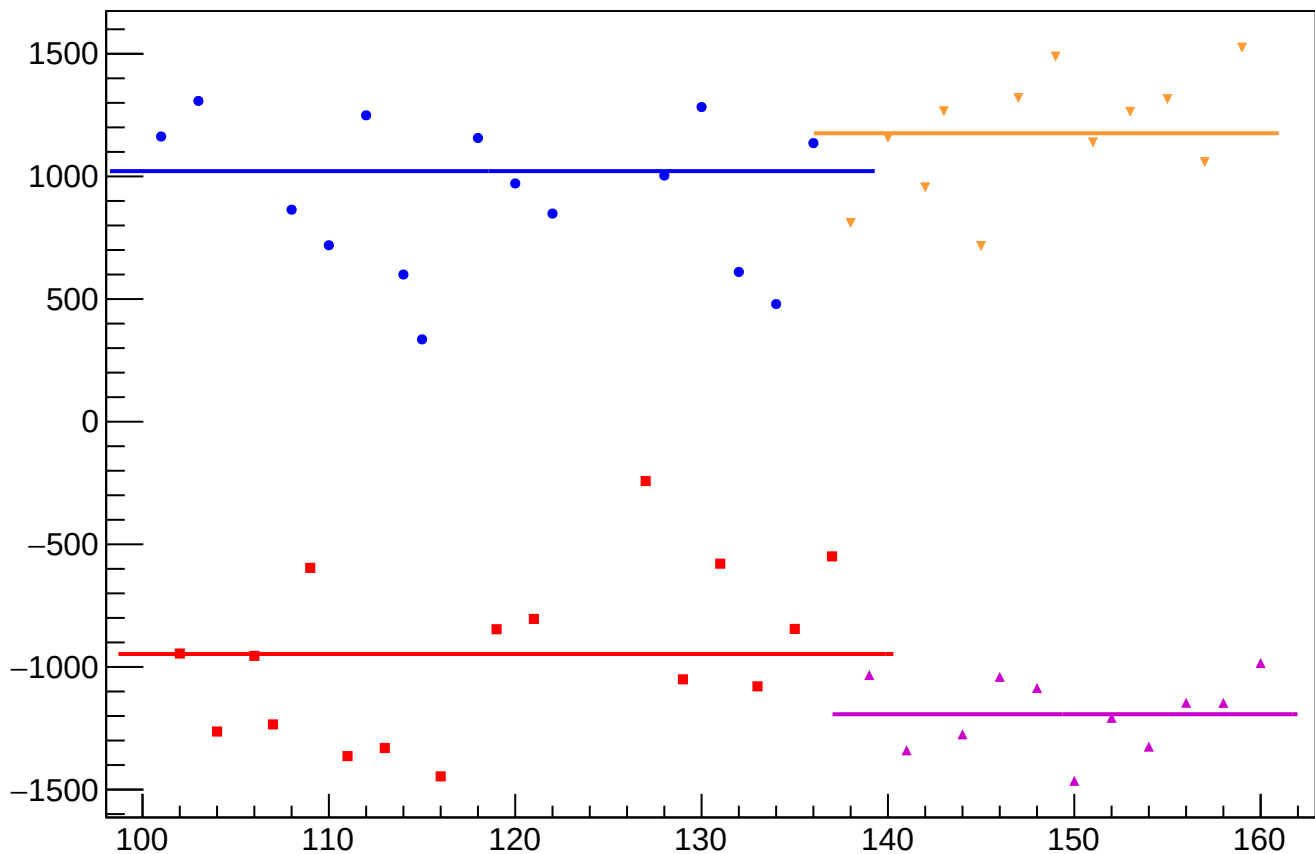
Left: -907.861 ± 0.000 $\chi^2/\text{NDF}: 332523614626730$
 Right In: 4145.268 ± 0.000 $\chi^2/\text{NDF}: 763693998395064689637972381933507648159744.0/14$
 Right: -3504.625 ± 0.000 $\chi^2/\text{NDF}: 1712578788282$
 Left Out: 11270.779 ± 0.000 $\chi^2/\text{NDF}: 35137043527033139065388759182682848493568.0/11$
 In: -5922.694 ± 0.000 $\chi^2/\text{NDF}: 902084767732052$
 Right Out: -10948.073 ± 0.000 $\chi^2/\text{NDF}: 873949668510327201514601463115396191092736.0/15$
 Out: 1914.734 ± 0.000 $\chi^2/\text{NDF}: 109971319391209$
 Left In: -12994.239 ± 0.000 $\chi^2/\text{NDF}: 26399397473209063315648711040224276250624.0/10$
 All: -1990.326 ± 0.000 $\chi^2/\text{NDF}: 2050277278$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Left Out: 565.876+/-0.000 χ^2/NDF : 16647379125618292913647848878579384320.0/11
 Right Out: -1887.077+/-0.000 χ^2/NDF : 5525872718363845620366029387569058283520.0/15
 Left In: -582.413+/-0.000 χ^2/NDF : 118601444625381813814678965729624064.0/10
 All: -186.440+/-0.000 χ^2/NDF : 10111903245

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

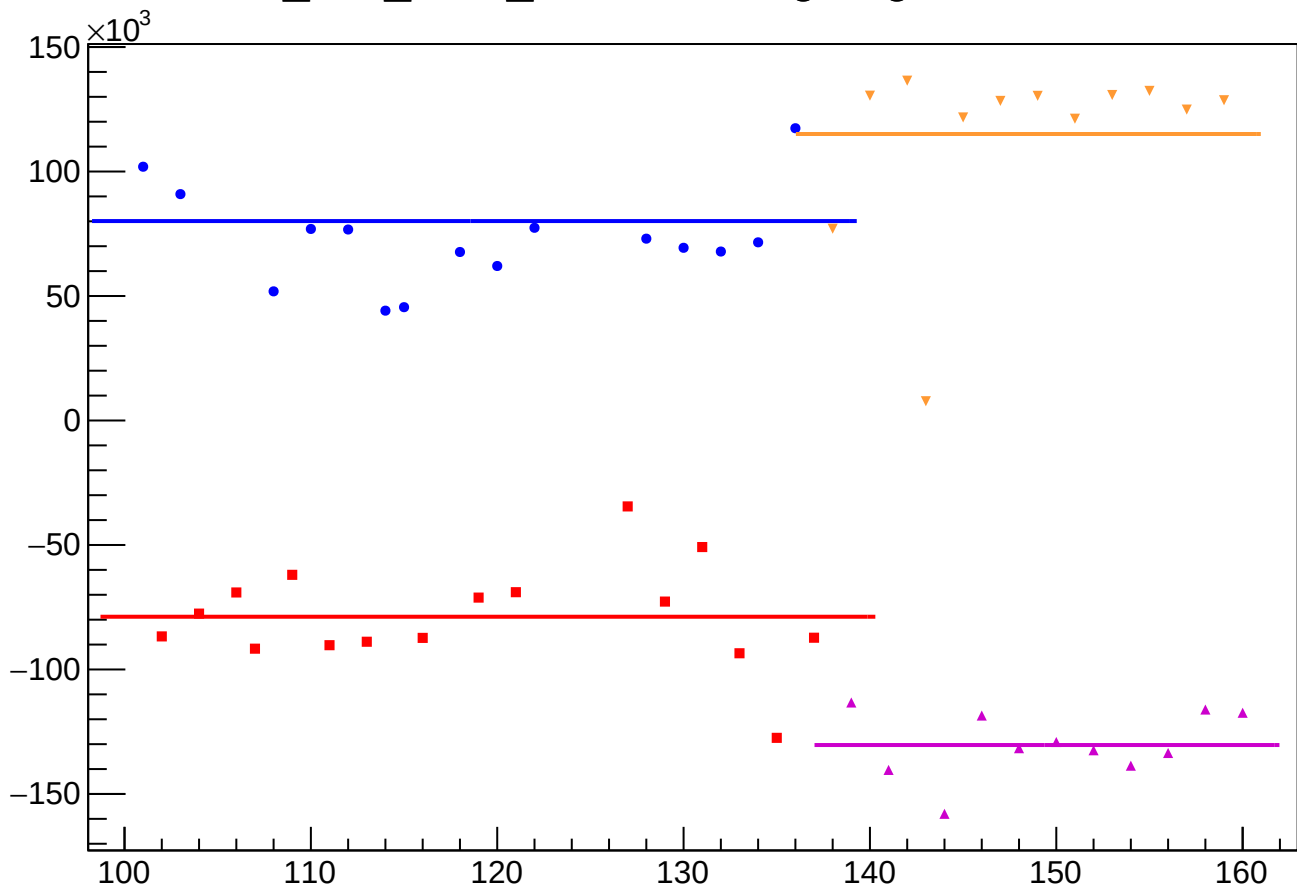
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 80102.504+/-0.000

χ^2/NDF : 254521784097258654723607522631742465769472.0/14

Left Out: 115071.197+/-0.000

χ^2/NDF : 1032500680832033878927899547290304830767104.0/11

Right Out: -78815.832+/-0.000

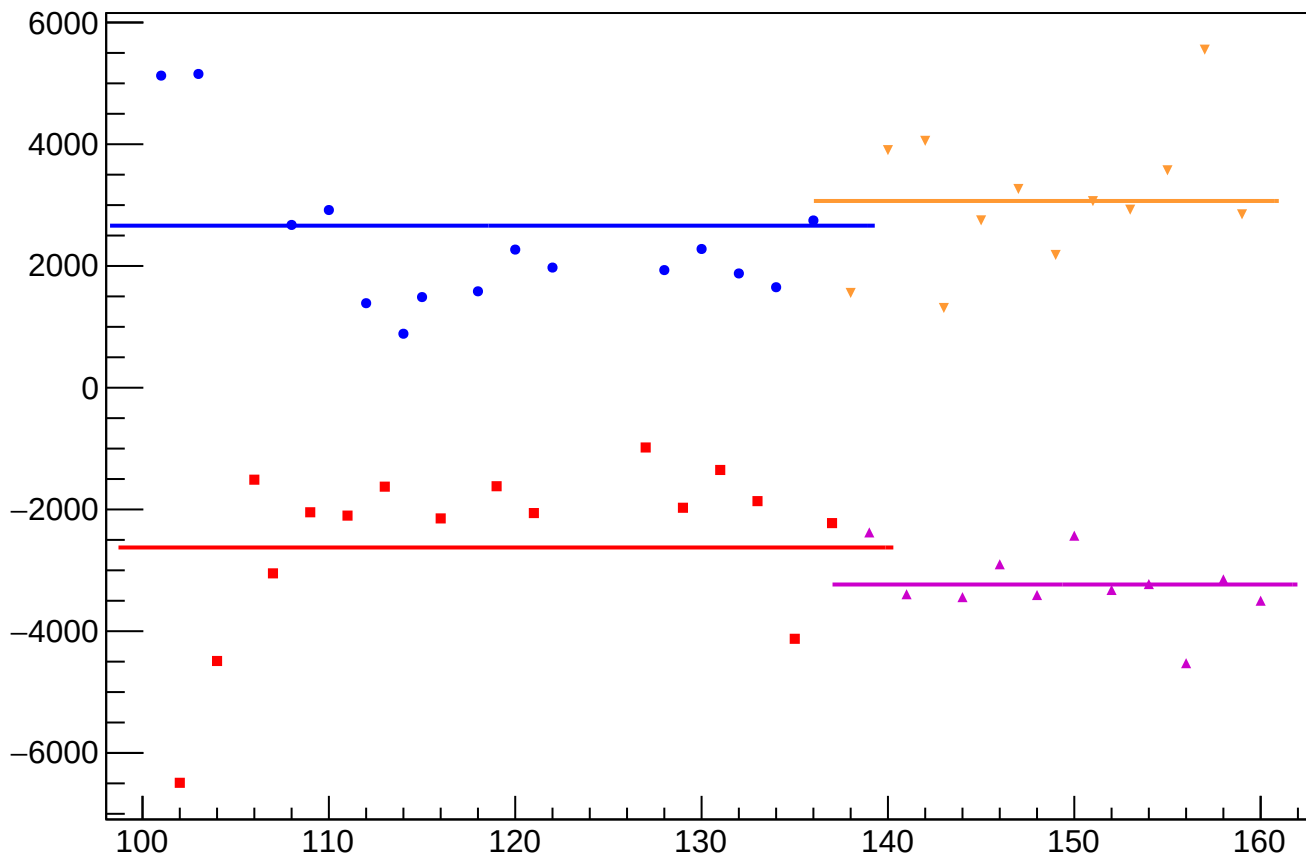
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

Left In: -130346.244+/-0.000

χ^2/NDF : 148174871015439819820100459279999278514176.0/10

All: -4910.762+/-0.000 χ^2/NDF : 3779399134

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2662.183+/-0.000

χ^2/NDF : 1031389230165640157864439705583367487488.0/14

Left Out: 3067.875+/-0.000

χ^2/NDF : 1078495187687389019694818149822179049472.0/11

Right Out: -2624.696+/-0.000

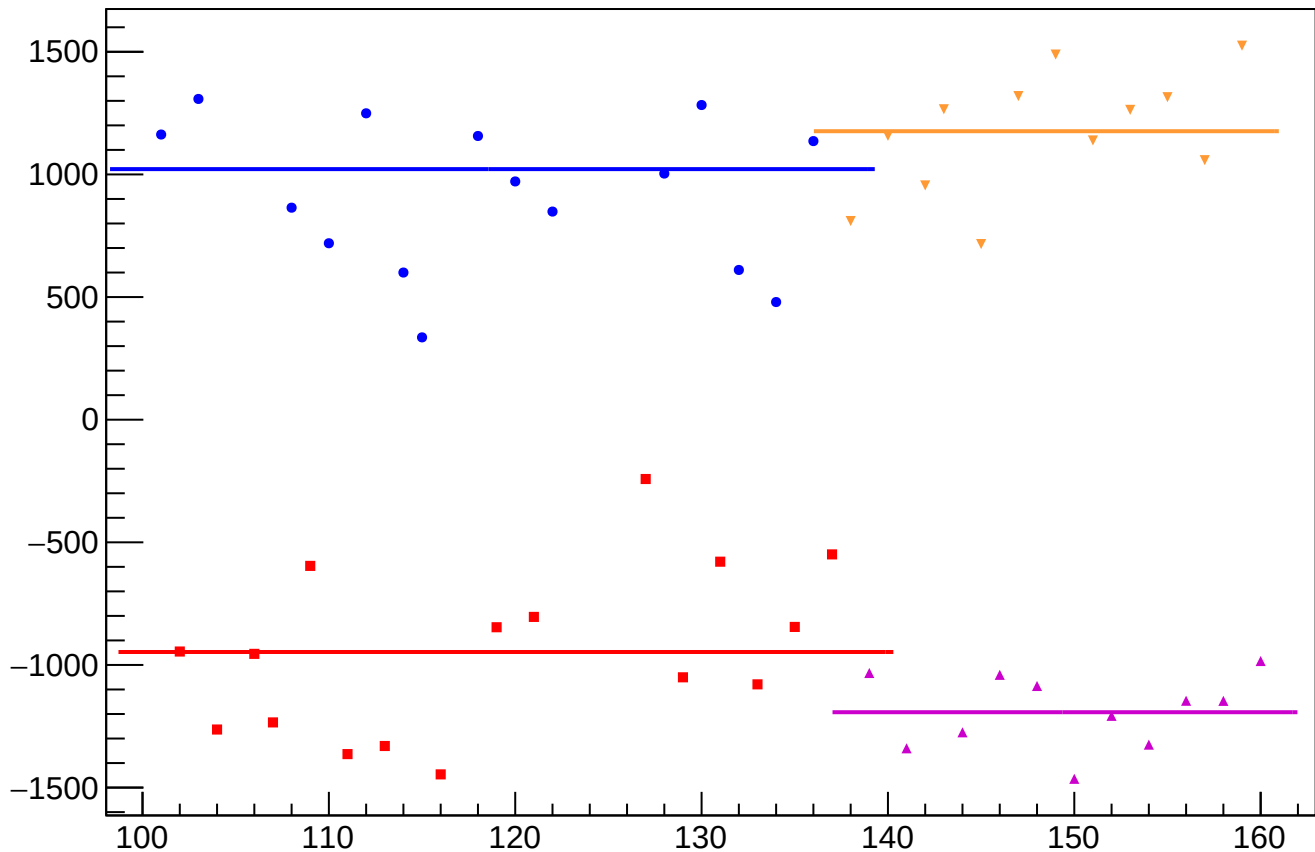
χ^2/NDF : 1566705216866534713590934835660406652928.0/15

Left In: -3232.879+/-0.000

χ^2/NDF : 275721007613891276741007240283331493888.0/10

All: -62.355+/-0.000 χ^2/NDF : 314224924174

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

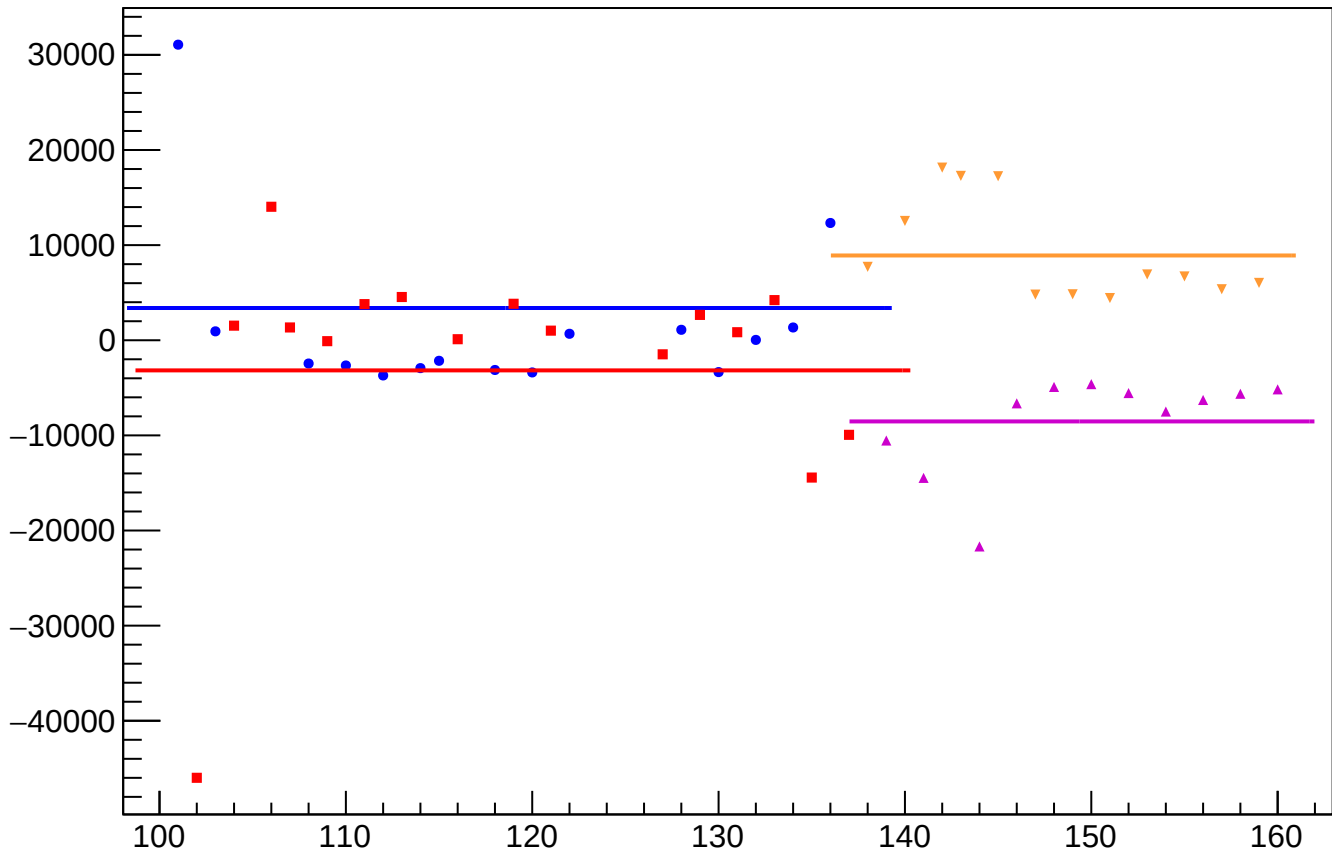
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

Left Out: 8912.459+/-0.000

χ^2/NDF : 22070544402646074284268231690805235941376.0/11

Right Out: -3167.396+/-0.000

χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -8532.821+/-0.000

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

All: 119.168+/-0.000

χ^2/NDF : 404218079274

Left: 156.653+/-0.000 χ^2/NDF : 1864395174272664

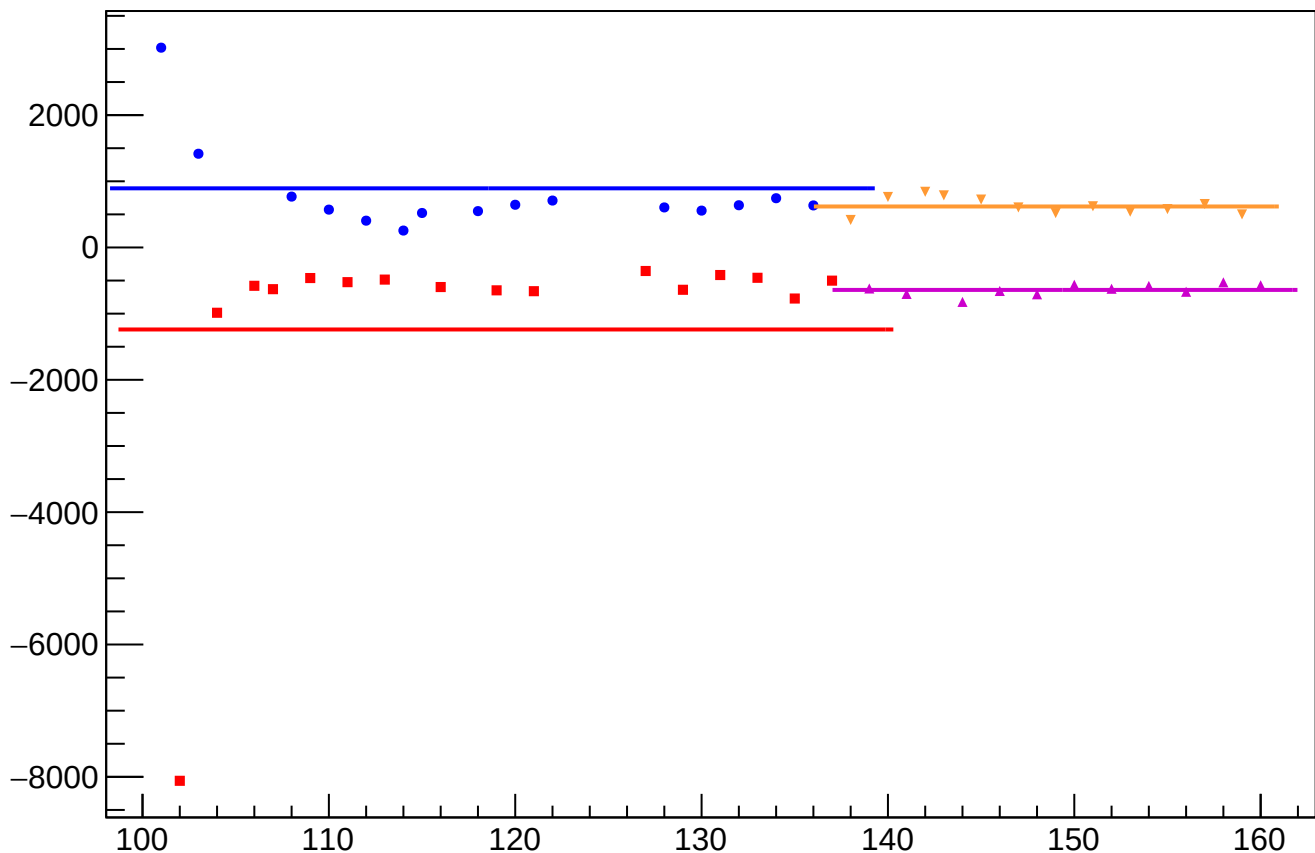
Right: 66.728+/-0.000 χ^2/NDF : 2177723560844725

In: -3613.388+/-0.000 χ^2/NDF : 144369798447171

Out: 3825.803+/-0.000 χ^2/NDF : 216170475506830

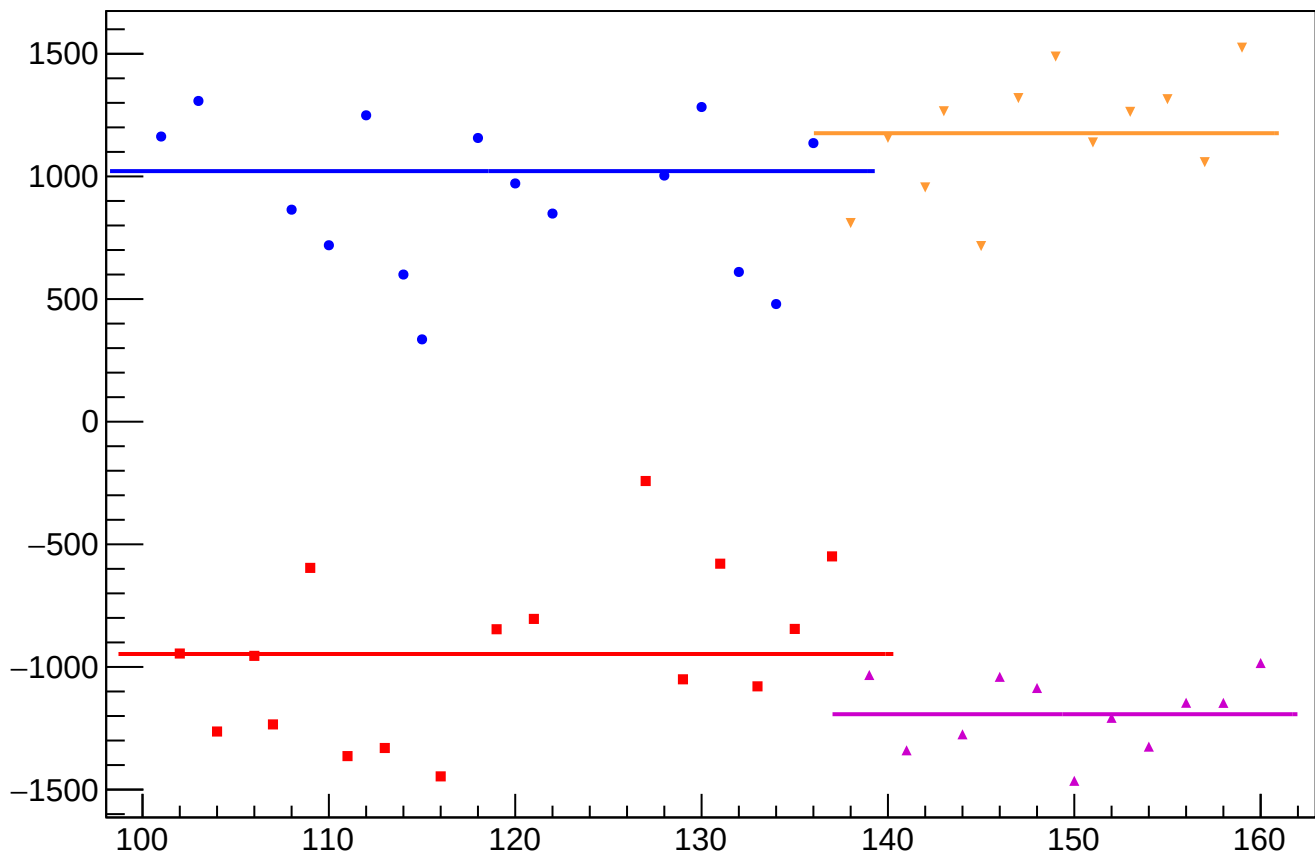
All: 119.168+/-0.000 χ^2/NDF : 404218079274

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



Right In: 893.683 +/- 0.000 χ^2/NDF : 334583619078631008932404228227359309824.0/14
 Left Out: 619.363 +/- 0.000 χ^2/NDF : 12743310597907802273598099300489887744.0/11
 Right Out: -1239.298 +/- 0.000 χ^2/NDF : 2970990859486483990408108918937565003776.0/15
 Left In: -641.490 +/- 0.000 χ^2/NDF : 6047241871046466320943152926715543552.0/10
 All: -85.966 +/- 0.000 χ^2/NDF : 557579474185

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

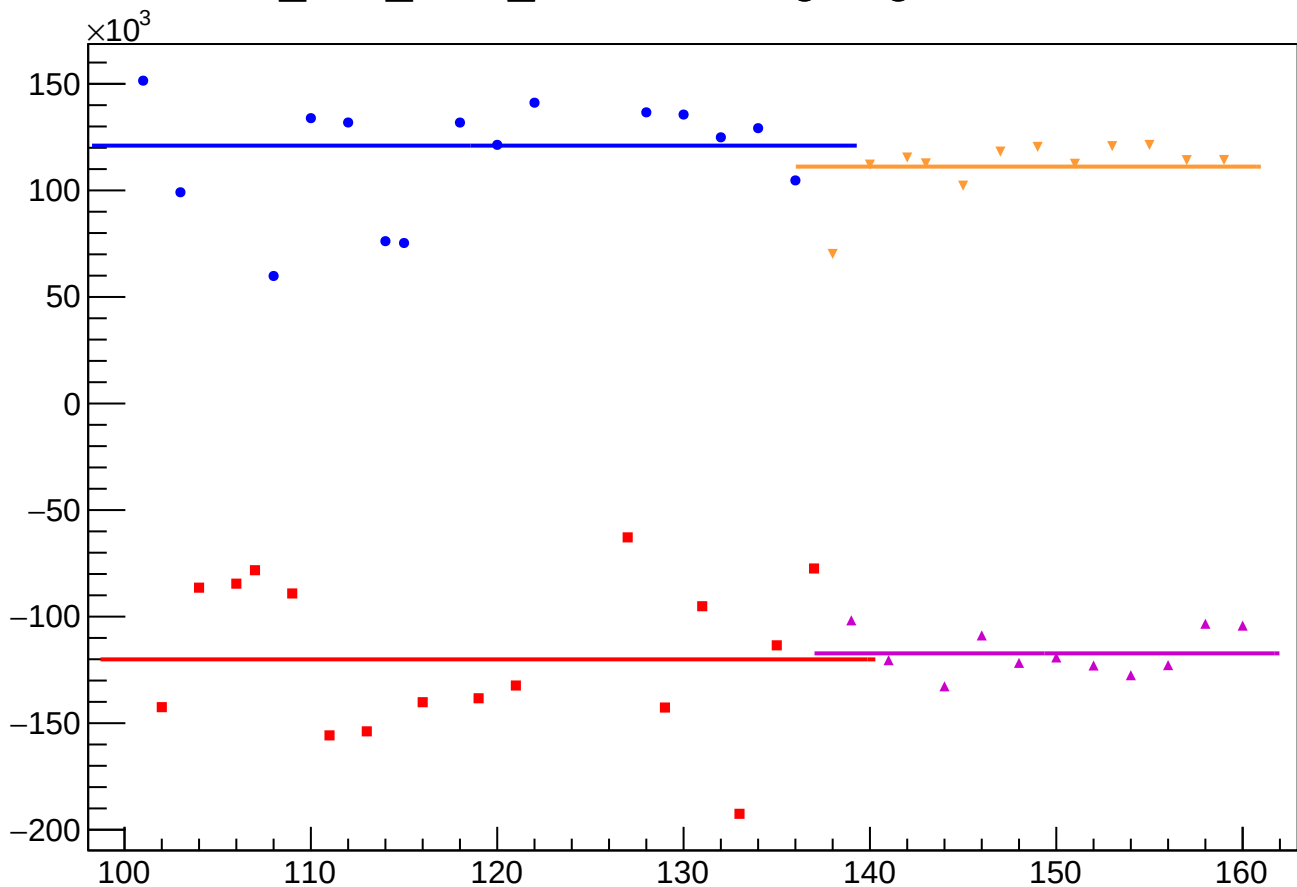
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

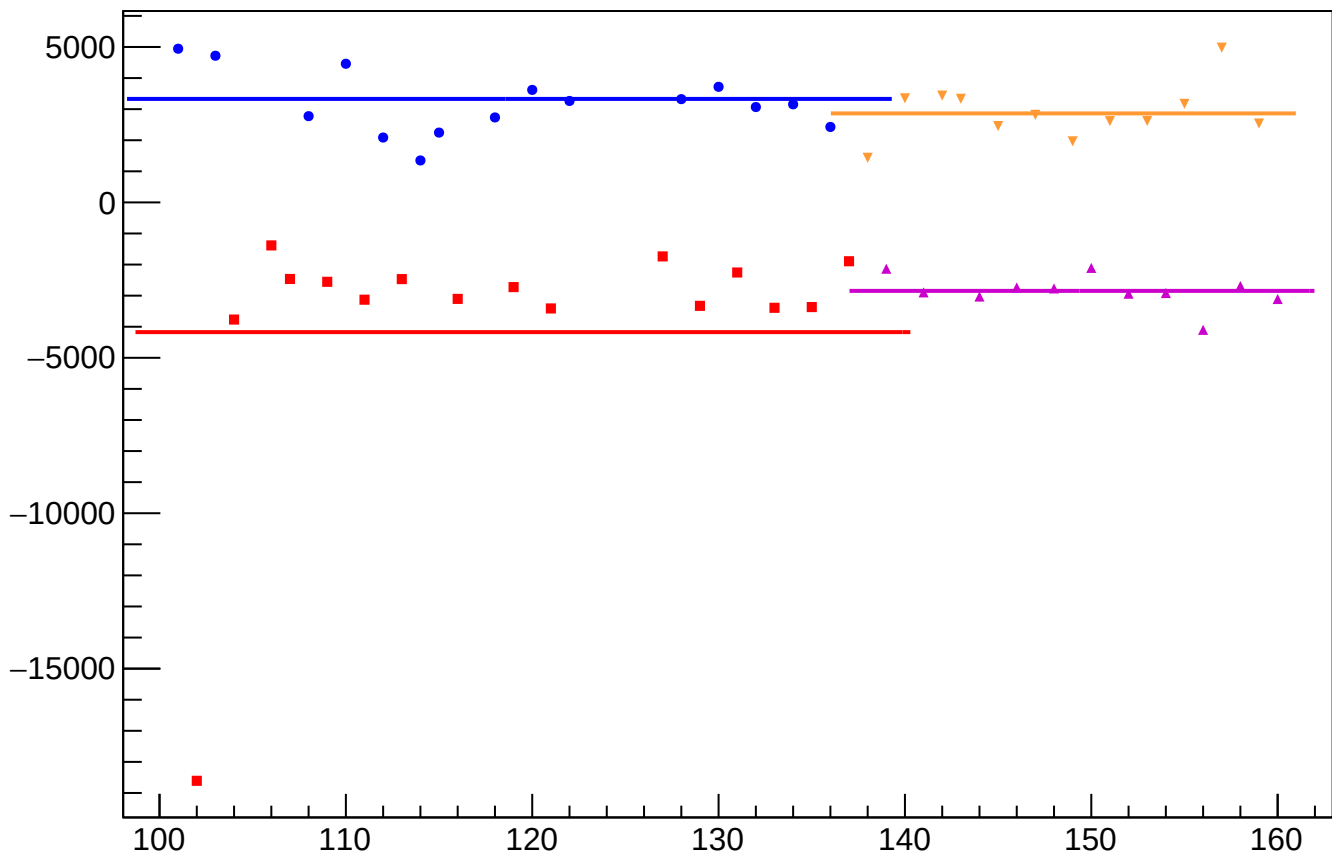
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_atr2_coil7_mean vs Slug, Sign Corrected



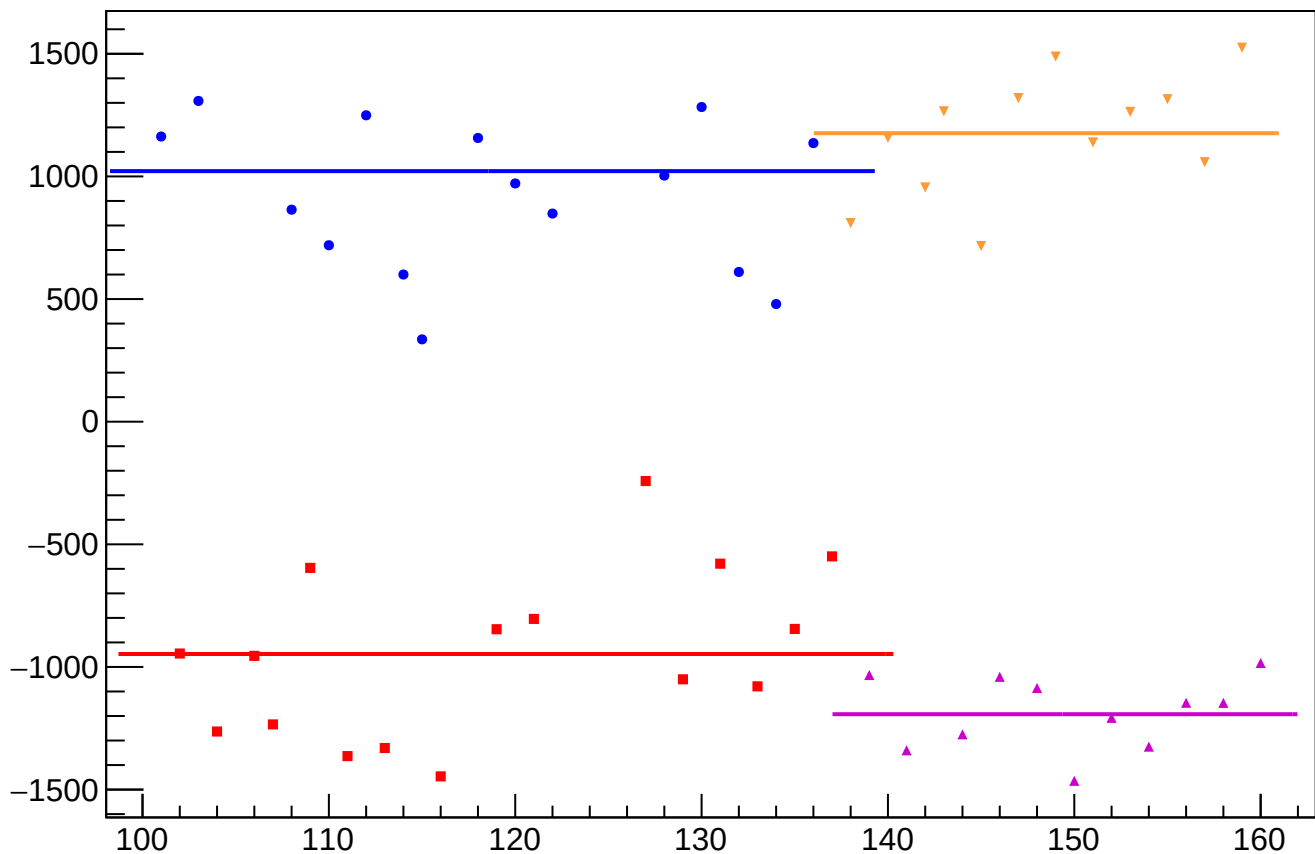
Right In: 121016.482 $\pm$ 0.000 χ^2 /NDF: 358713856404303554987784975983609668173824.0/14
 Left Out: 111166.801 $\pm$ 0.000 χ^2 /NDF: 167364192439388047212250461007969368670208.0/11
 Right Out: -120060.693 $\pm$ 0.000 χ^2 /NDF: 828419782346707601448620310014135952736256.0/15
 Left In: -117237.465 $\pm$ 0.000 χ^2 /NDF: 92299527706158063096544434206678792011776.0/10
 All: -2511.323 $\pm$ 0.000 χ^2 /NDF: 4457837354

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



Right In: 3329.488 $\pm$ 0.000 χ^2 /NDF: 567034774398456376227526824513721335808.0/14
 Left Out: 2863.169 $\pm$ 0.000 χ^2 /NDF: 668766817298044492245074854515224608768.0/11
 Right Out: -4173.434 $\pm$ 0.000 χ^2 /NDF: 13498246551537992400095003154682468106240.0/15
 Left In: -2846.559 $\pm$ 0.000 χ^2 /NDF: 229557109736682123603885764134616170496.0/10
 All: -198.776 $\pm$ 0.000 χ^2 /NDF: 48655252714

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

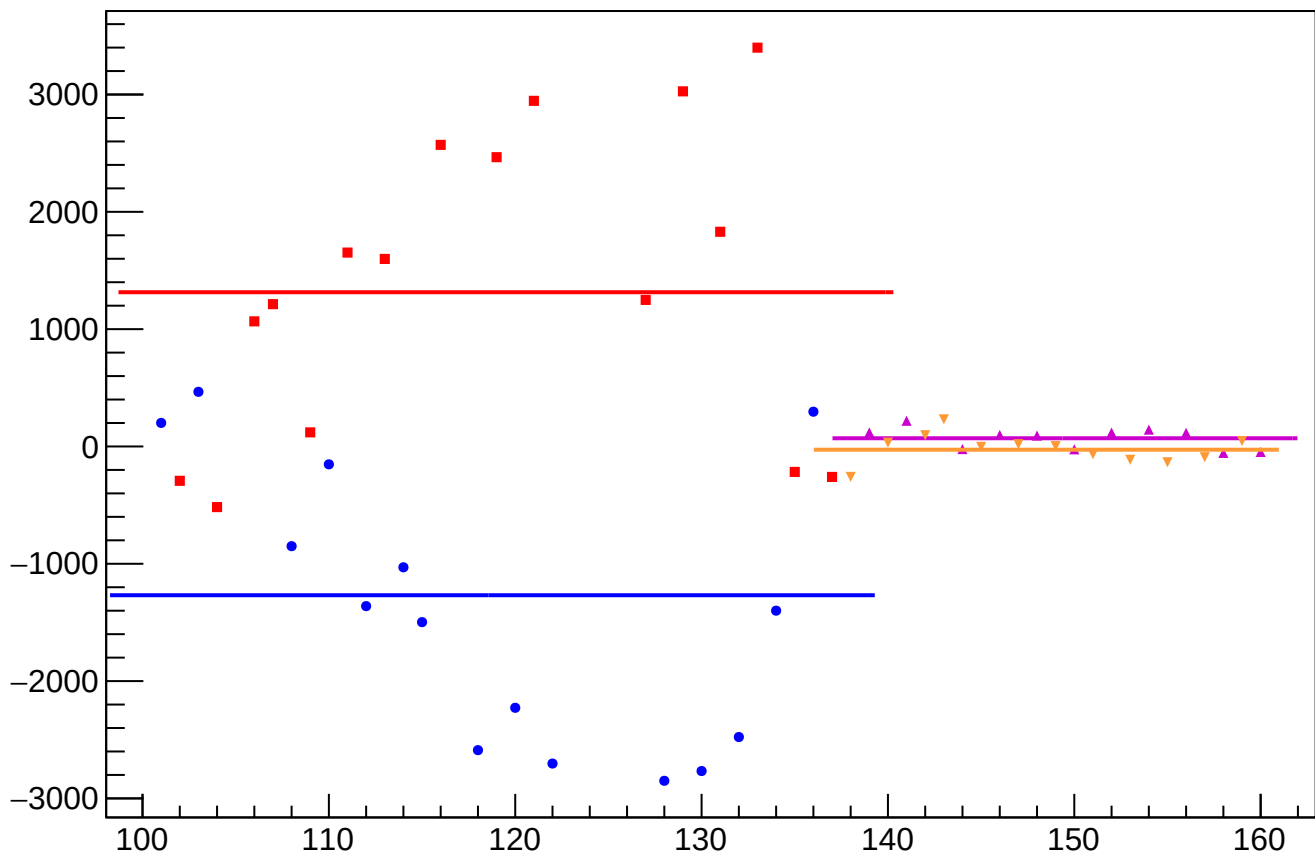
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

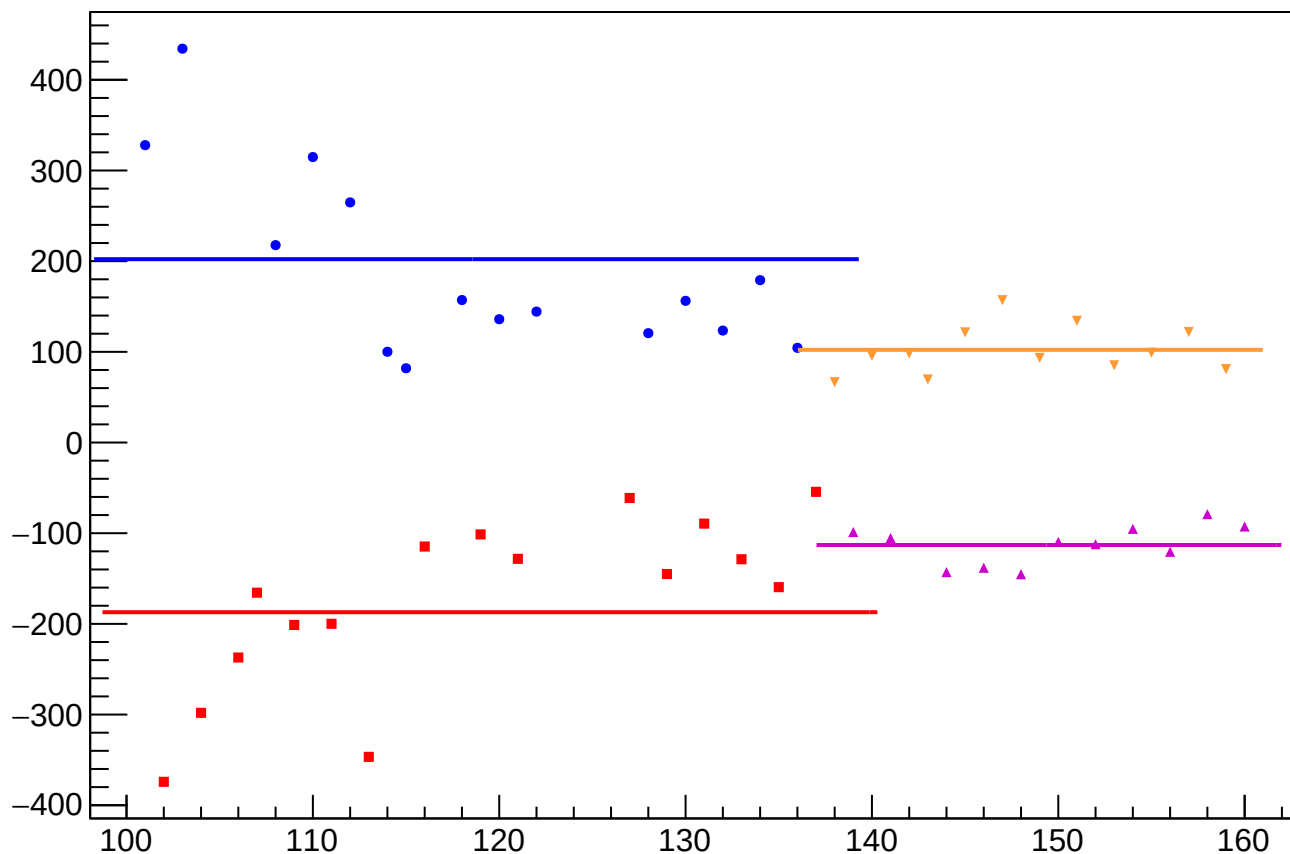
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam1_coil7_mean vs Slug, Sign Corrected



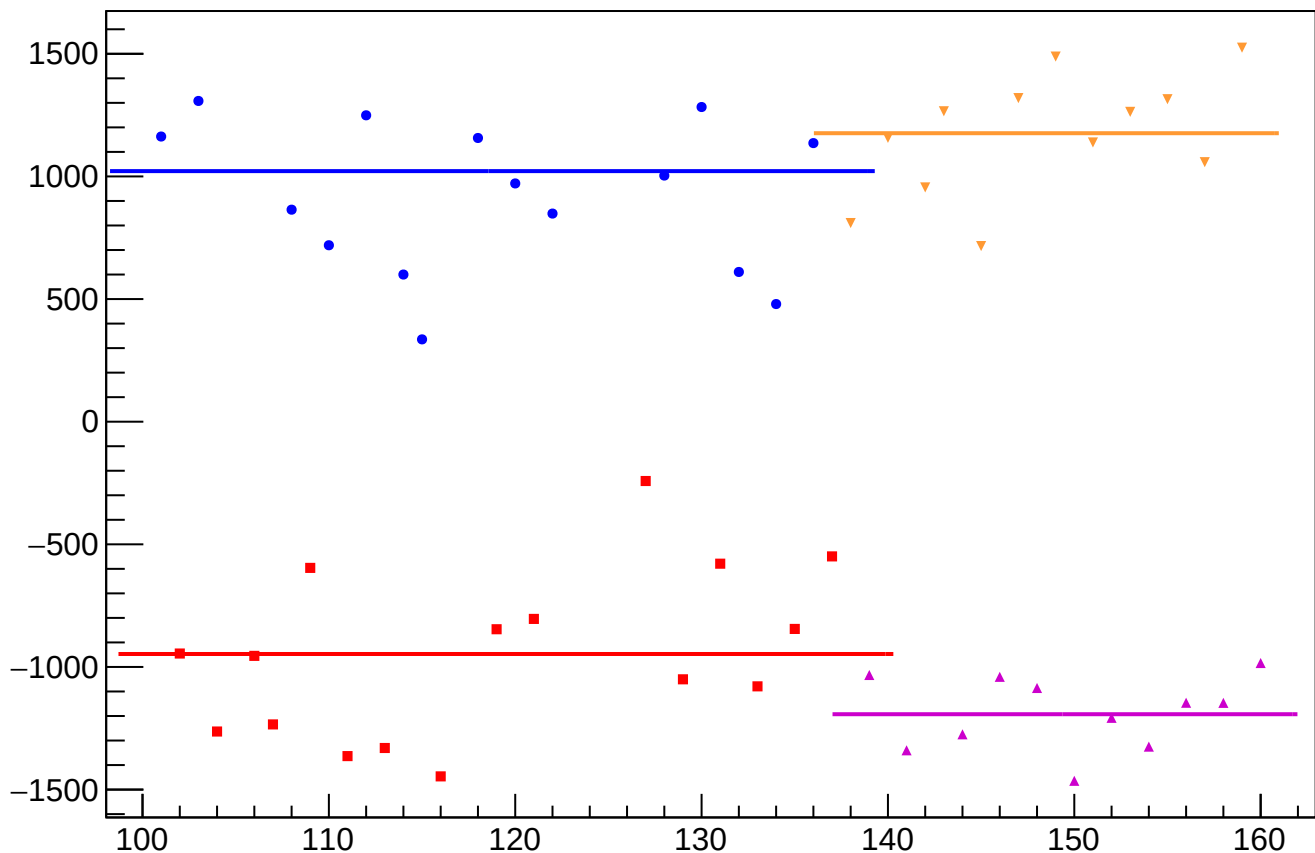
Left: 21.302 $\pm$ 0.000 χ^2 /NDF: 2367978487139292
 Right In: -1268.061 $\pm$ 0.000 χ^2 /NDF: 1092280760288833856070470490800647045120.0/14
 Right: 41.017 $\pm$ 0.000 χ^2 /NDF: 4385100658196815
 Left Out: -27.654 $\pm$ 0.000 χ^2 /NDF: 12404131617036288818573632516917297152.0/11
 In: -482.133 $\pm$ 0.000 χ^2 /NDF: 1781620225198016
 Right Out: 1314.767 $\pm$ 0.000 χ^2 /NDF: 1098471313864079013714609379653260935168.0/15
 Out: 537.620 $\pm$ 0.000 χ^2 /NDF: 1806729362503876
 Left In: 69.887 $\pm$ 0.000 χ^2 /NDF: 6896729055106095492675290775544659968.0/10
 All: 29.520 $\pm$ 0.000 χ^2 /NDF: 4409078738323

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Left: -5.794 ± 0.000 $\chi^2/\text{NDF}: 22329321836444331$
 Right In: 202.191 ± 0.000 $\chi^2/\text{NDF}: 7027941052752849066369040650615128064.0/14$
 Left Out: 102.211 ± 0.000 $\chi^2/\text{NDF}: 617349982651654313498458631453016064.0/11$
 Right Out: -187.126 ± 0.000 $\chi^2/\text{NDF}: 6230029491605524746936515809941389312.0/15$
 Left In: -112.981 ± 0.000 $\chi^2/\text{NDF}: 399082569166702797505998561799569408.0/10$
 All: -1.349 ± 0.000 $\chi^2/\text{NDF}: 8553091353048$

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

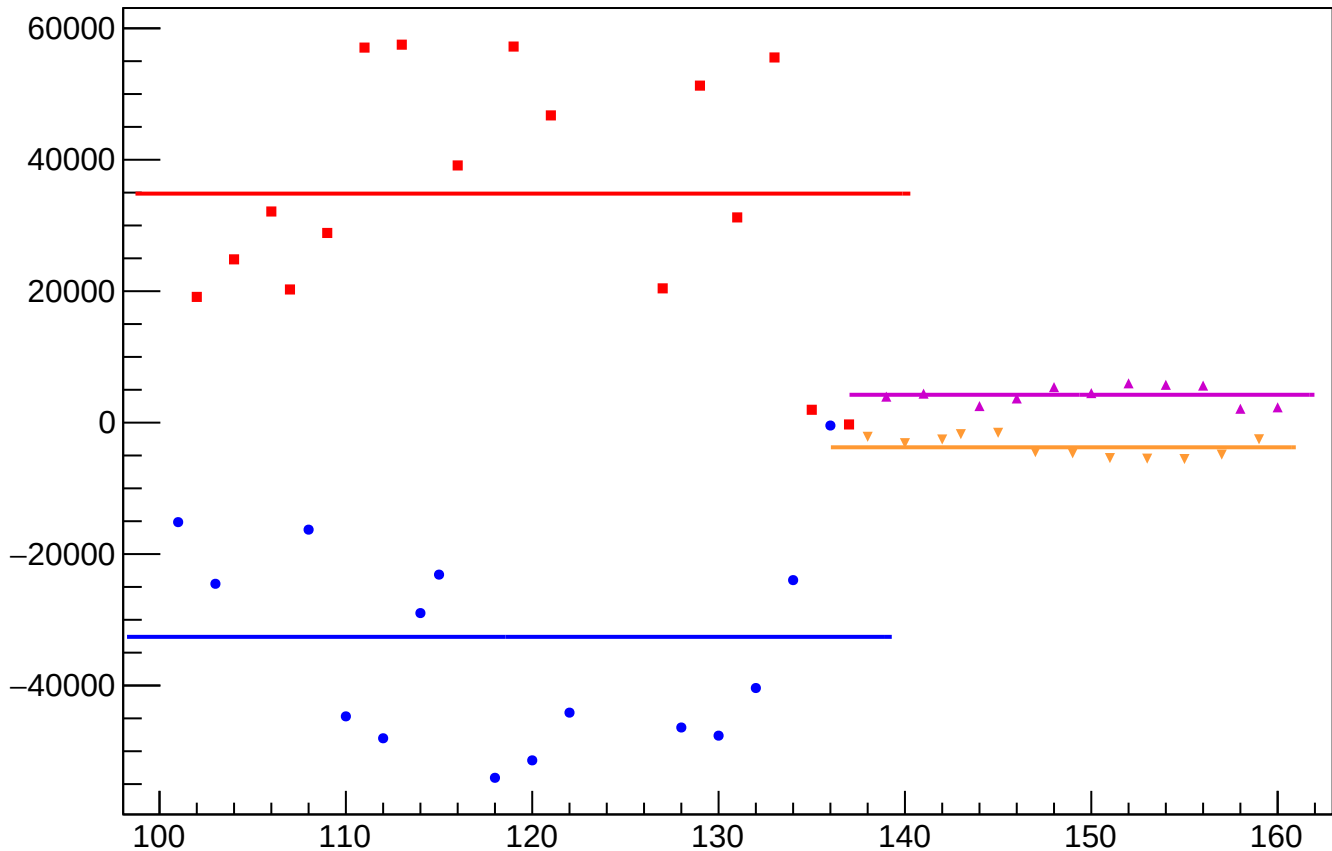
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_sam2_coil7_mean vs Slug, Sign Corrected



Right In: -32594.962 +/- 0.000

χ^2/NDF : 209150369207000564489724529020922520141824.0/14

Left Out: -3752.448 +/- 0.000

χ^2/NDF : 2004018922397864512506251751982968602624.0/11

Right Out: 34848.046 +/- 0.000

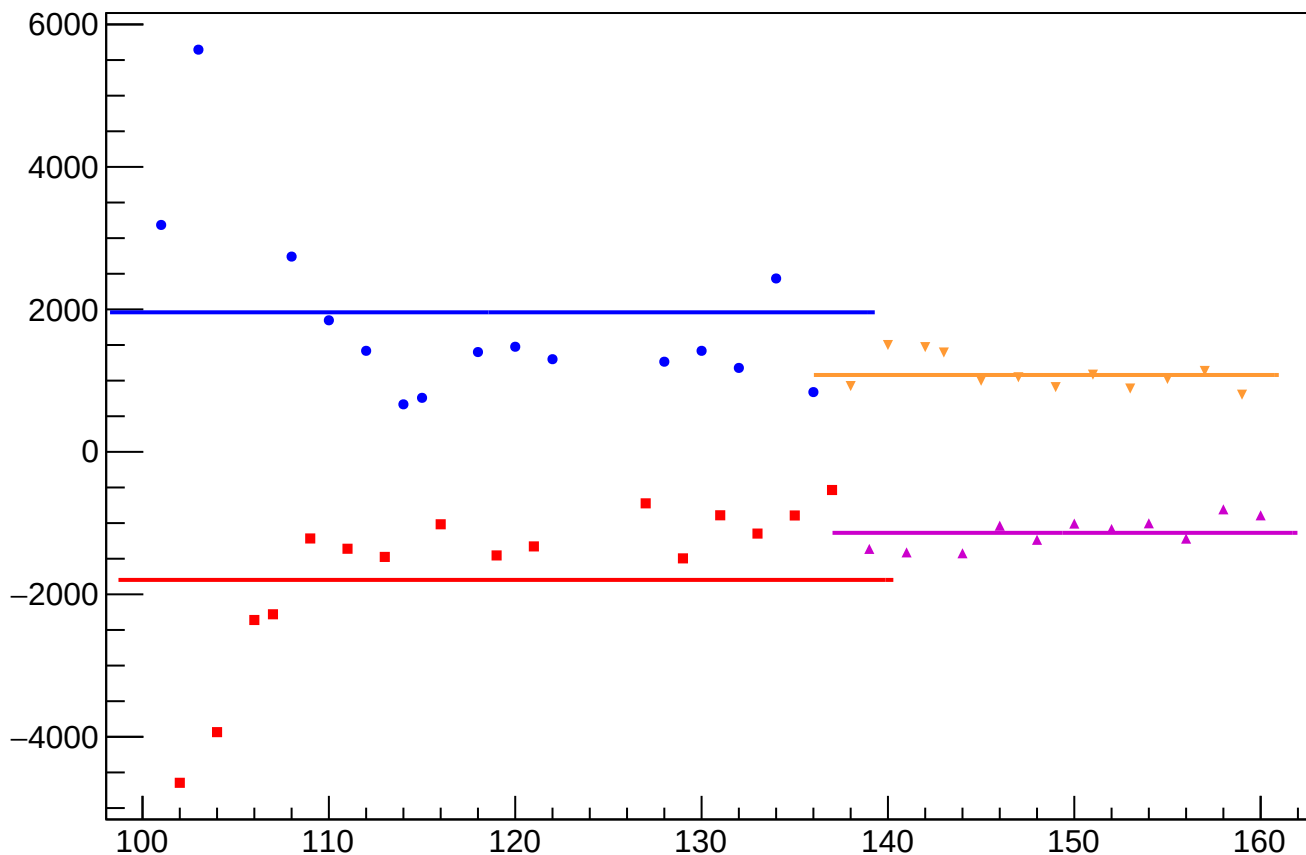
χ^2/NDF : 221127702024811719232559434097324967591936.0/15

Left In: 4238.758 +/- 0.000

χ^2/NDF : 1676258877466067471746283067125033598976.0/10

All: 812.523 +/- 0.000 χ^2/NDF : 196090157662.0/40

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1958.835+/-0.000

χ^2/NDF : 1189322999631358431600643692981190131712.0/14

Left Out: 1079.227+/-0.000

χ^2/NDF : 42839458661255724609894406058462412800.0/11

Right Out: -1797.392+/-0.000

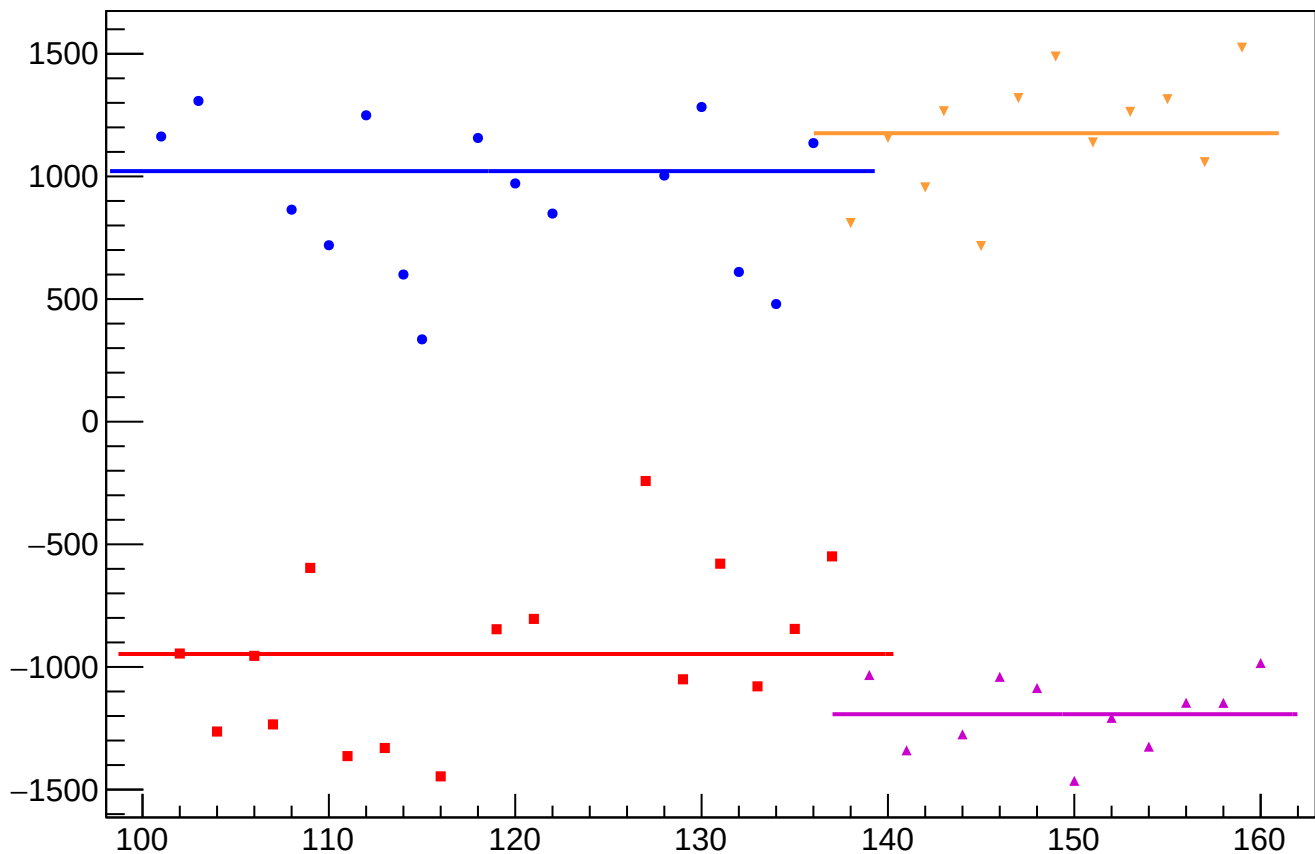
χ^2/NDF : 955096623879958195657195074614240215040.0/15

Left In: -1136.738+/-0.000

χ^2/NDF : 36660640388160233770492299797174681600.0/10

All: 3.715+/-0.000 χ^2/NDF : 91309588323558

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

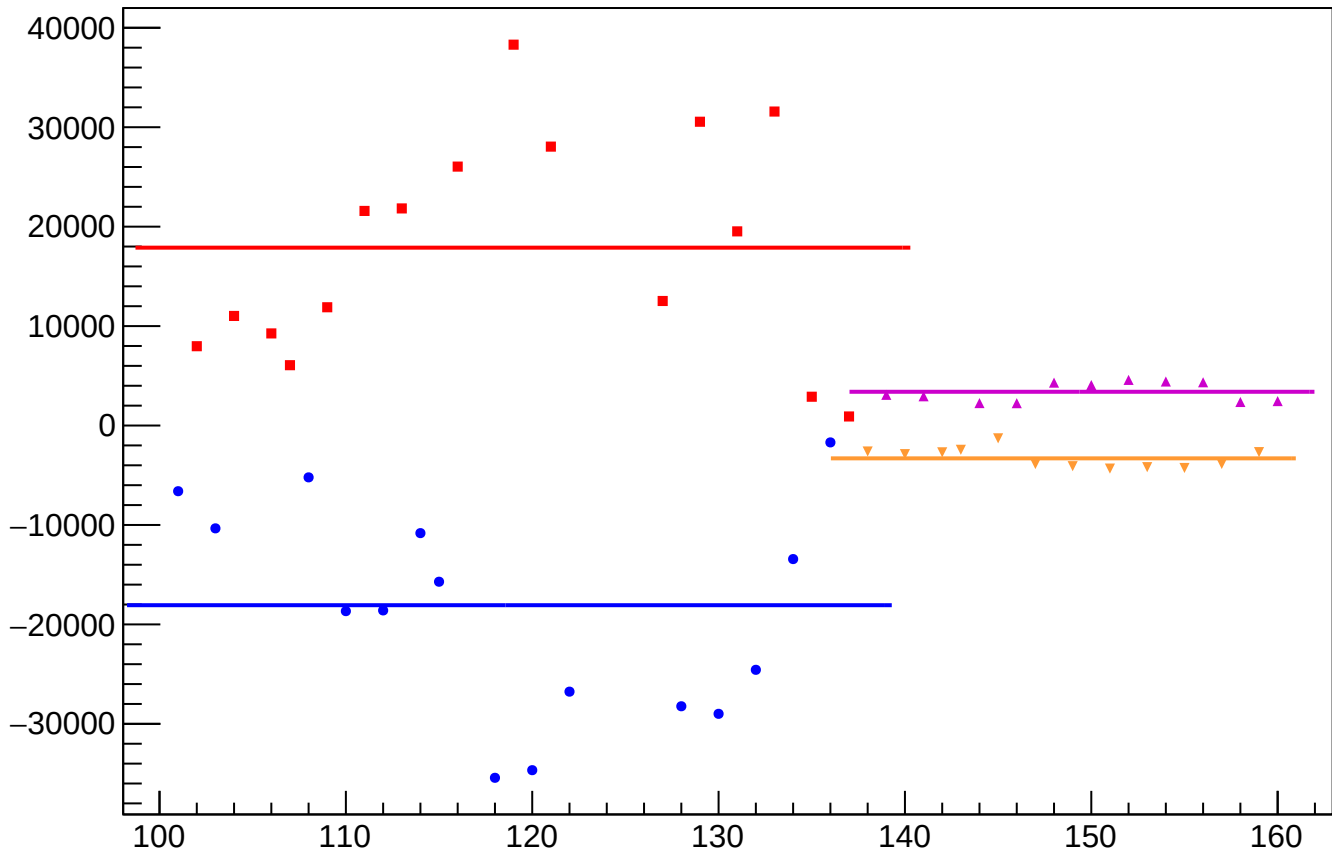
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

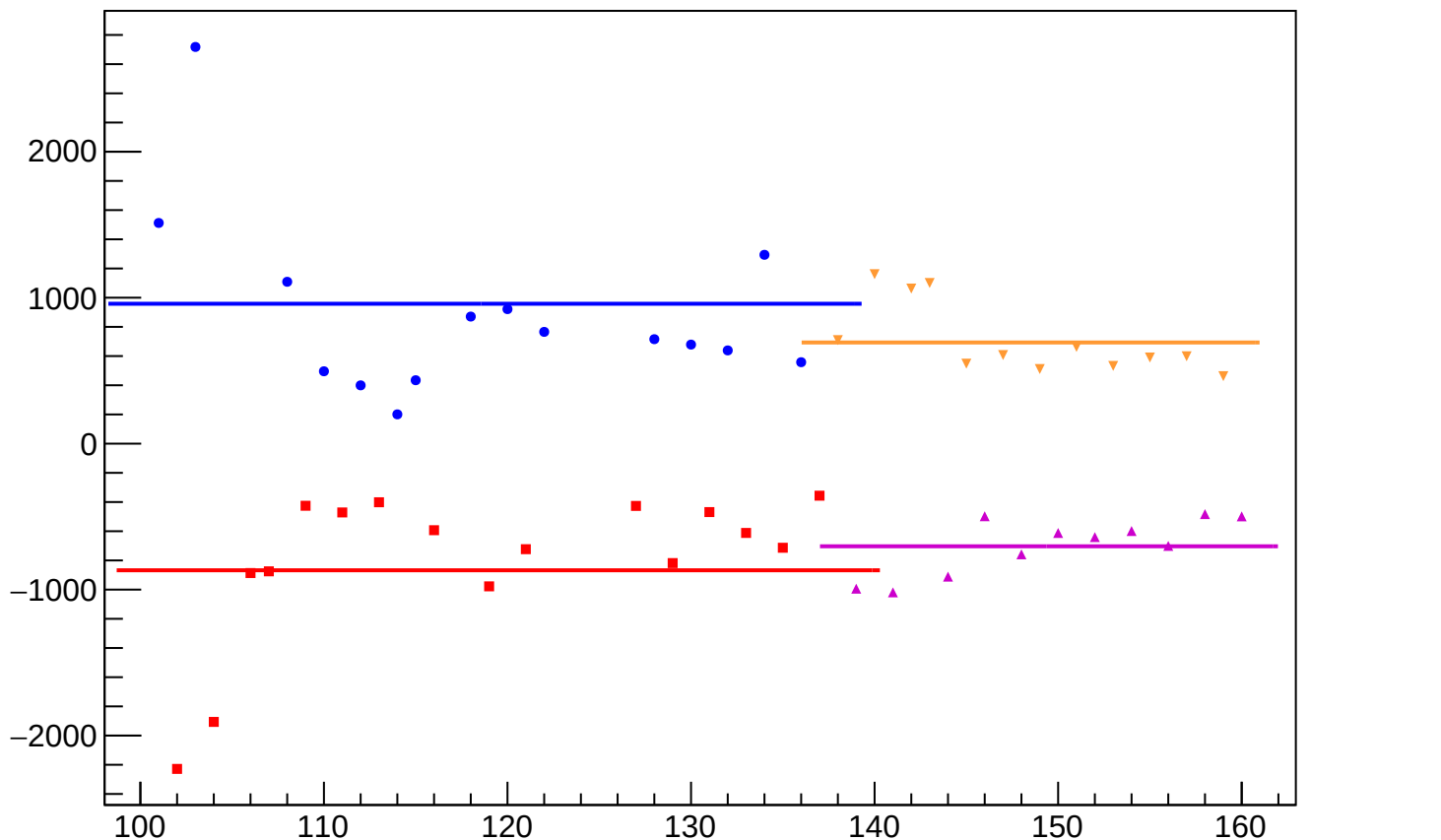
All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam3_coil7_mean vs Slug, Sign Corrected



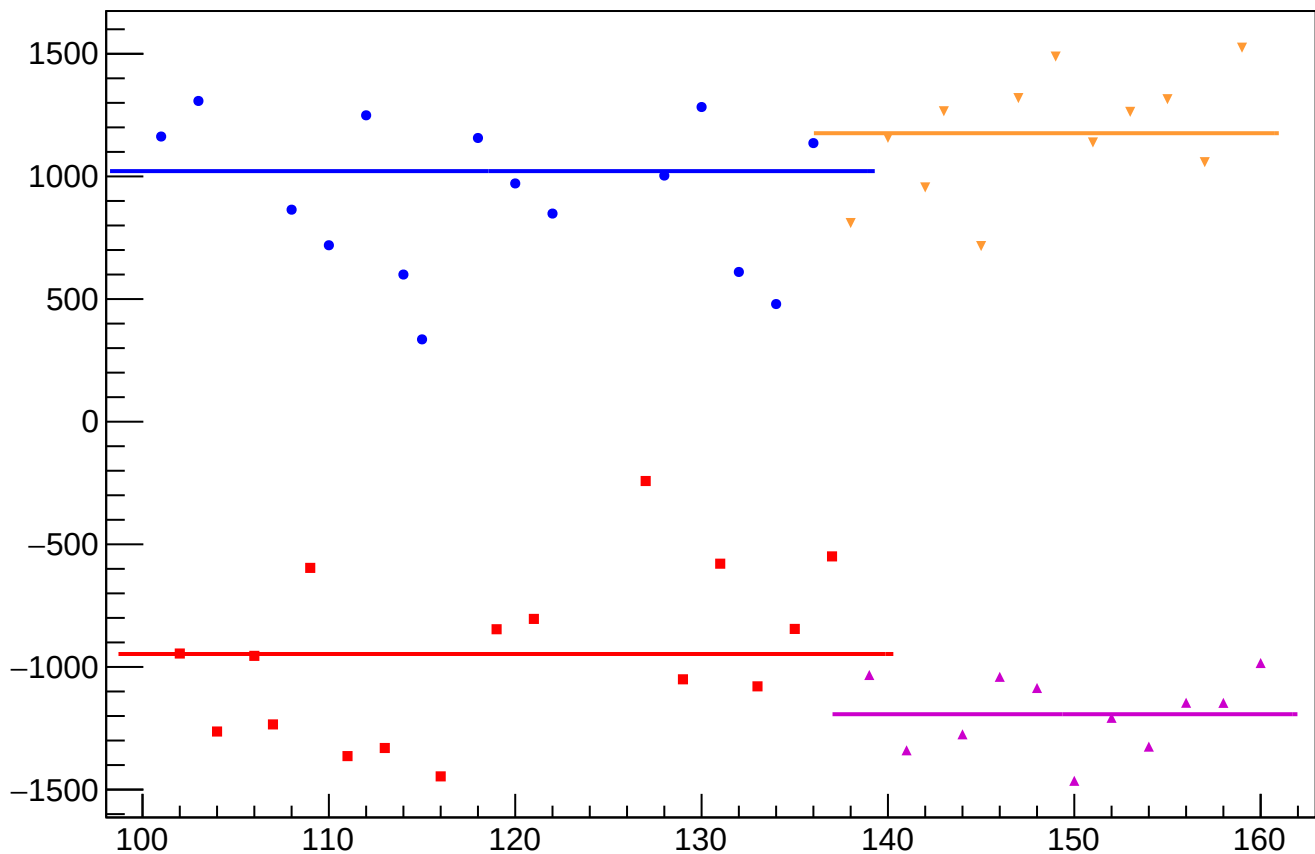
Left: 59.316+/-0.000 χ^2/NDF : 22242147628214783
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Right: 155.704+/-0.000 χ^2/NDF : 587997392225656
 Left Out: -3301.165+/-0.000 χ^2/NDF : 804572006868088518224503479729974673408.0/11
 In: -5460.979+/-0.000 χ^2/NDF : 260733217471185
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 Out: 5621.355+/-0.000 χ^2/NDF : 252580420870454
 Left In: 3394.339+/-0.000 χ^2/NDF : 804969095824057391704293669390893711360.0/10
 All: 99.495+/-0.000 χ^2/NDF : 6102466696824

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 958.411 +/- 0.000 χ^2/NDF : 264733105058522822278137197070739570688.0/14
 Left Out: 693.081 +/- 0.000 χ^2/NDF : 48514734468503708126538641267241254912.0/11
 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: 9.246 +/- 0.000 χ^2/NDF : 25566468703042

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

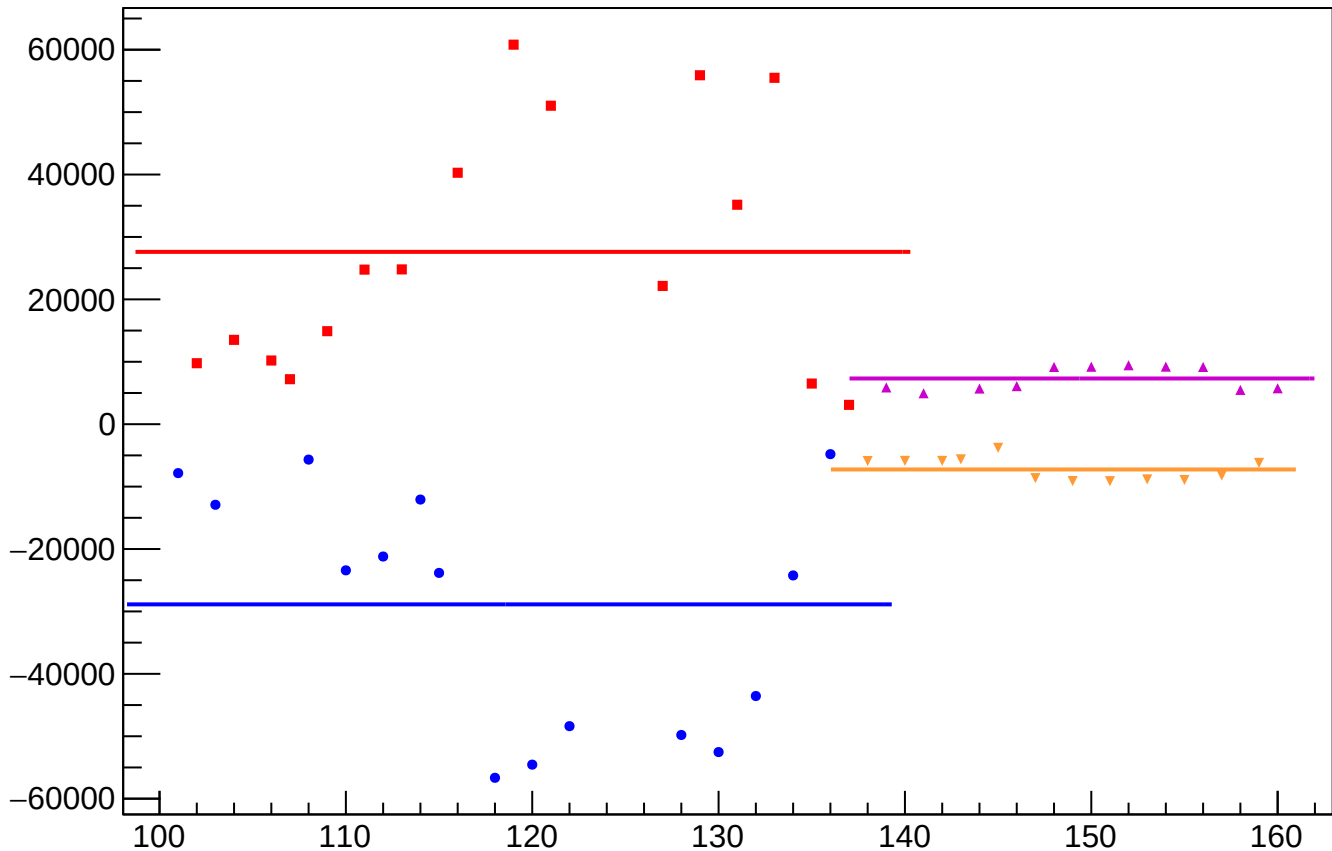
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam4_coil7_mean vs Slug, Sign Corrected



Right In: -28868.624+/-0.000

χ^2/NDF : 261450701095727362961367657926584124309504.0/14

Left Out: -7254.077+/-0.000

χ^2/NDF : 2852558880492321663467062466027223777280.0/11

Right Out: 27610.848+/-0.000

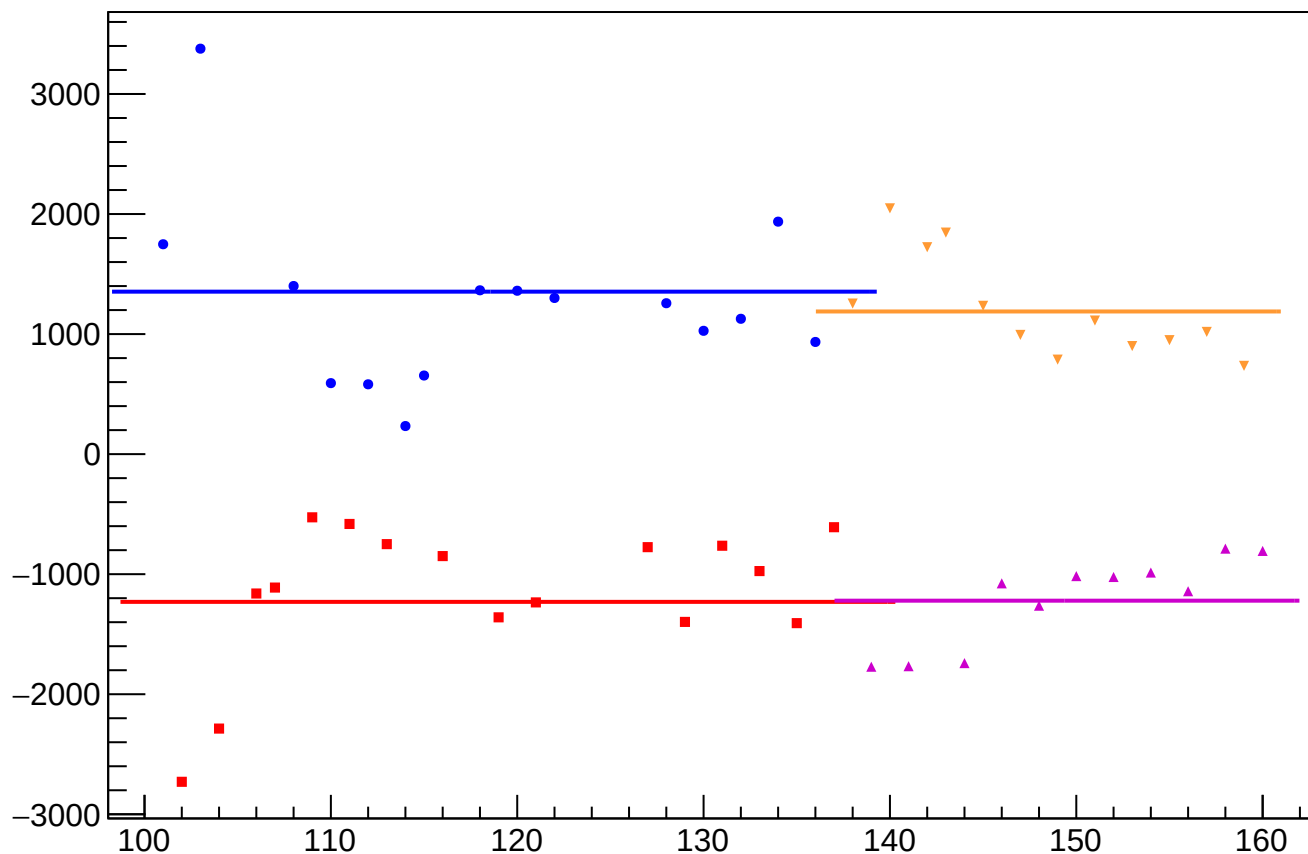
χ^2/NDF : 248097983477523504935751571384400118546432.0/15

Left In: 7325.095+/-0.000

χ^2/NDF : 3045991167952377112422516937599716687872.0/10

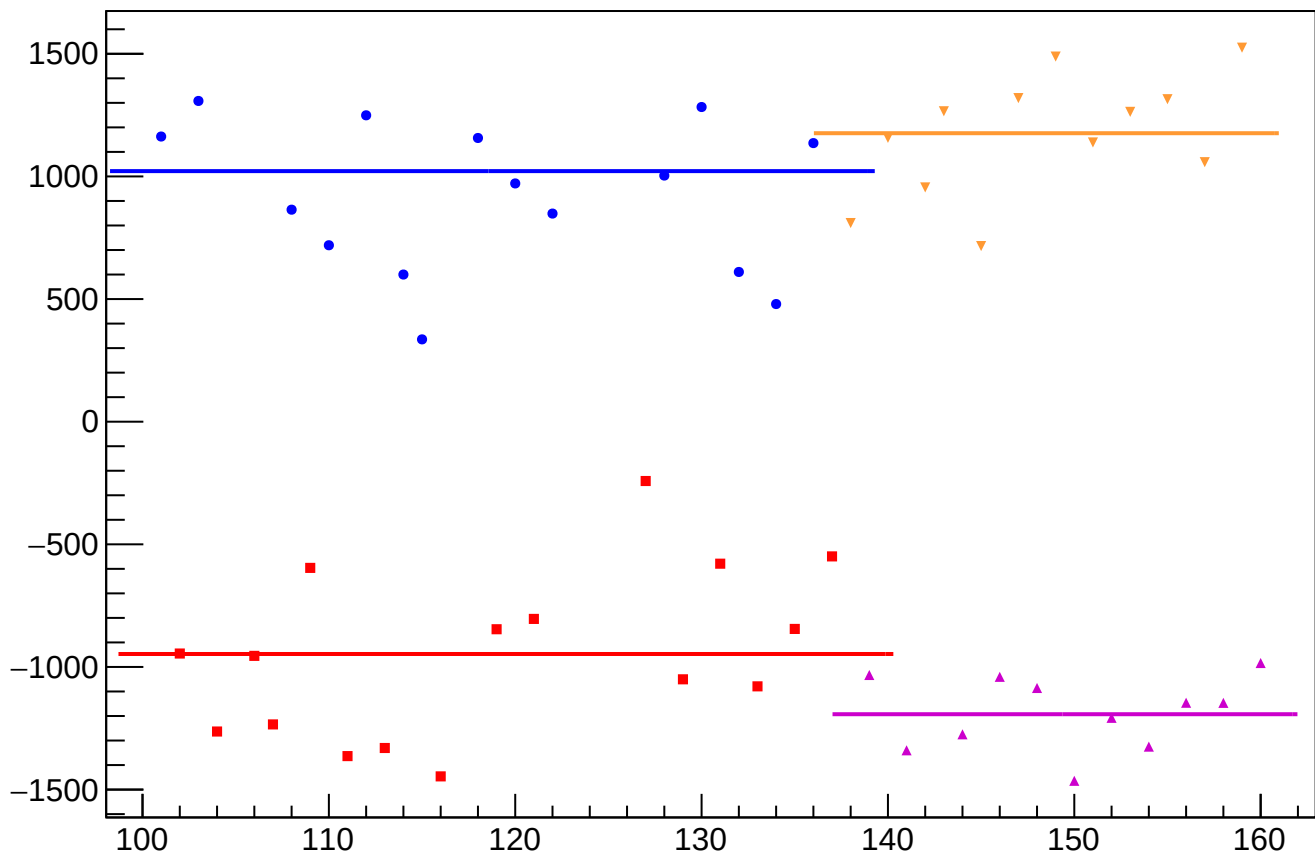
All: -64.270+/-0.000 χ^2/NDF : 166263565673

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



Right In: 1353.413+/-0.000 χ^2/NDF : 352887966702770713373861839880553758720.0/14
 Left Out: 1188.374+/-0.000 χ^2/NDF : 150388636614326916750918220287509004288.0/11
 Right Out: -1230.633+/-0.000 χ^2/NDF : 276989454129150005656872744539903754240.0/15
 Left In: -1220.761+/-0.000 χ^2/NDF : 116296897250486719965341990830940880896.0/10
 All: 6.110+/-0.000 χ^2/NDF : 57673933772965

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

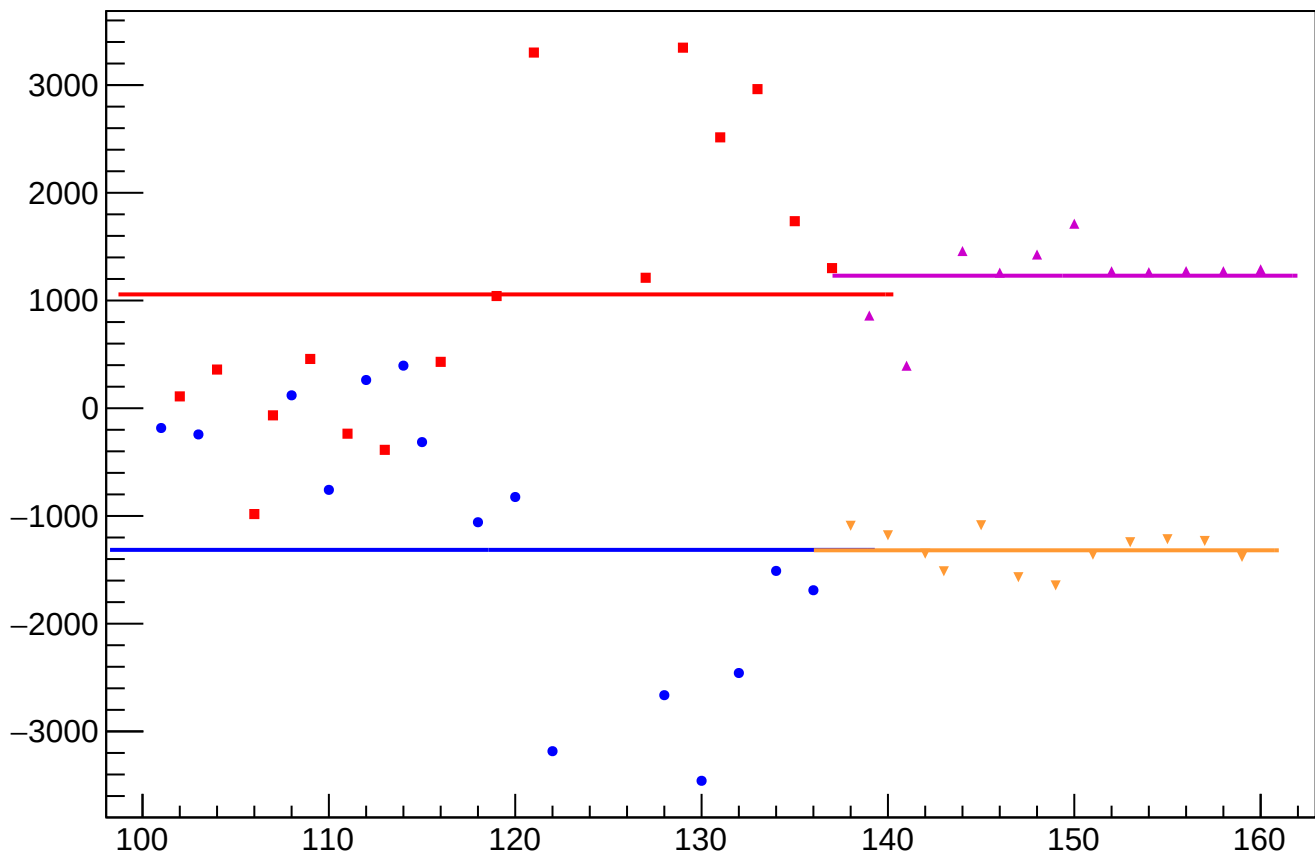
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782+/-0.000

Left Out: -1318.814+/-0.000

Right Out: 1056.765+/-0.000

Left In: 1230.430+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 28738856775554340954745144784441049088.0/11

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 100431691068850056086409132460520505344.0/10

Left: -39.345+/-0.000 χ^2/NDF : 3120127599726201

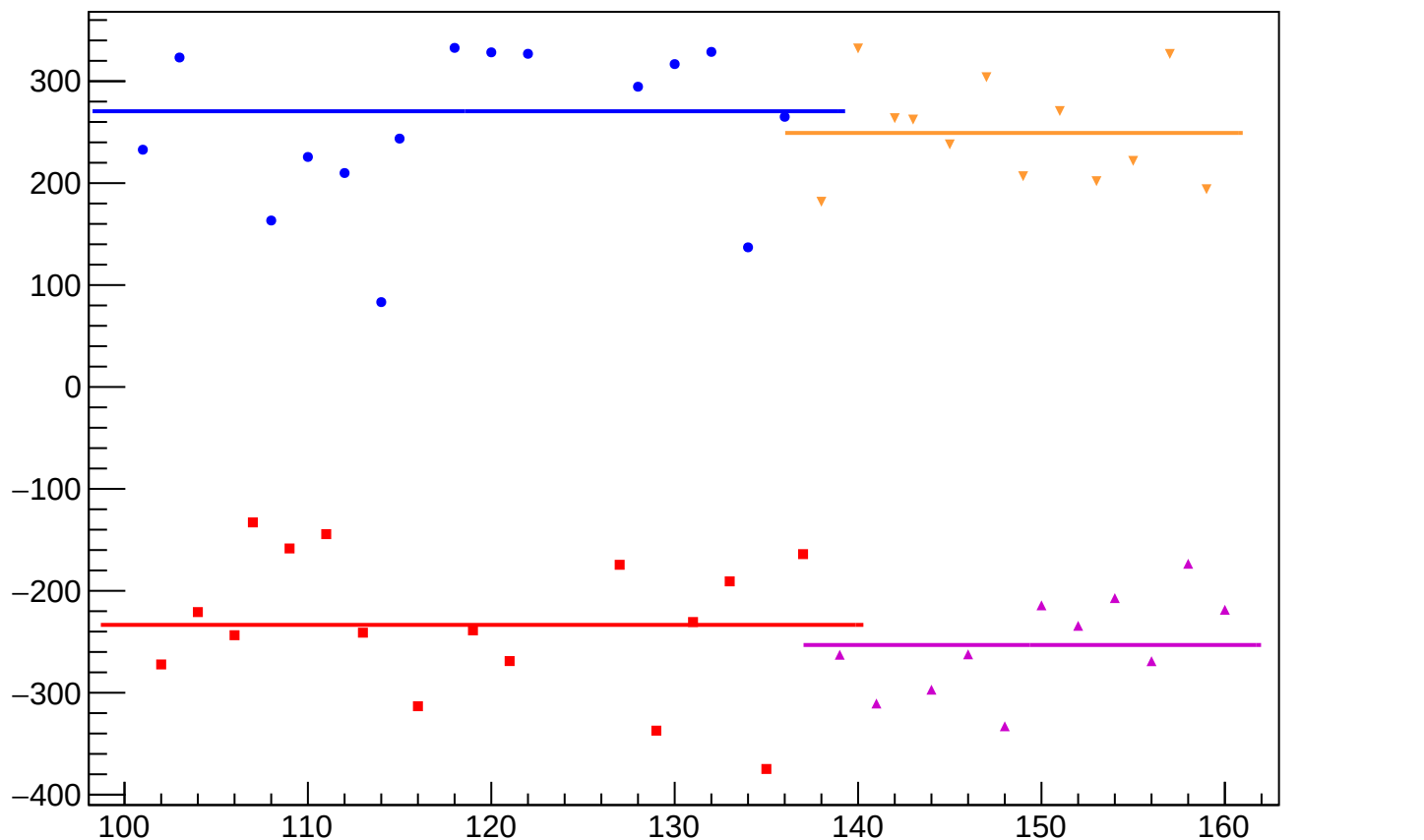
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 180.308+/-0.000 χ^2/NDF : 35361660763294785

Out: -318.491+/-0.000 χ^2/NDF : 333498948748990

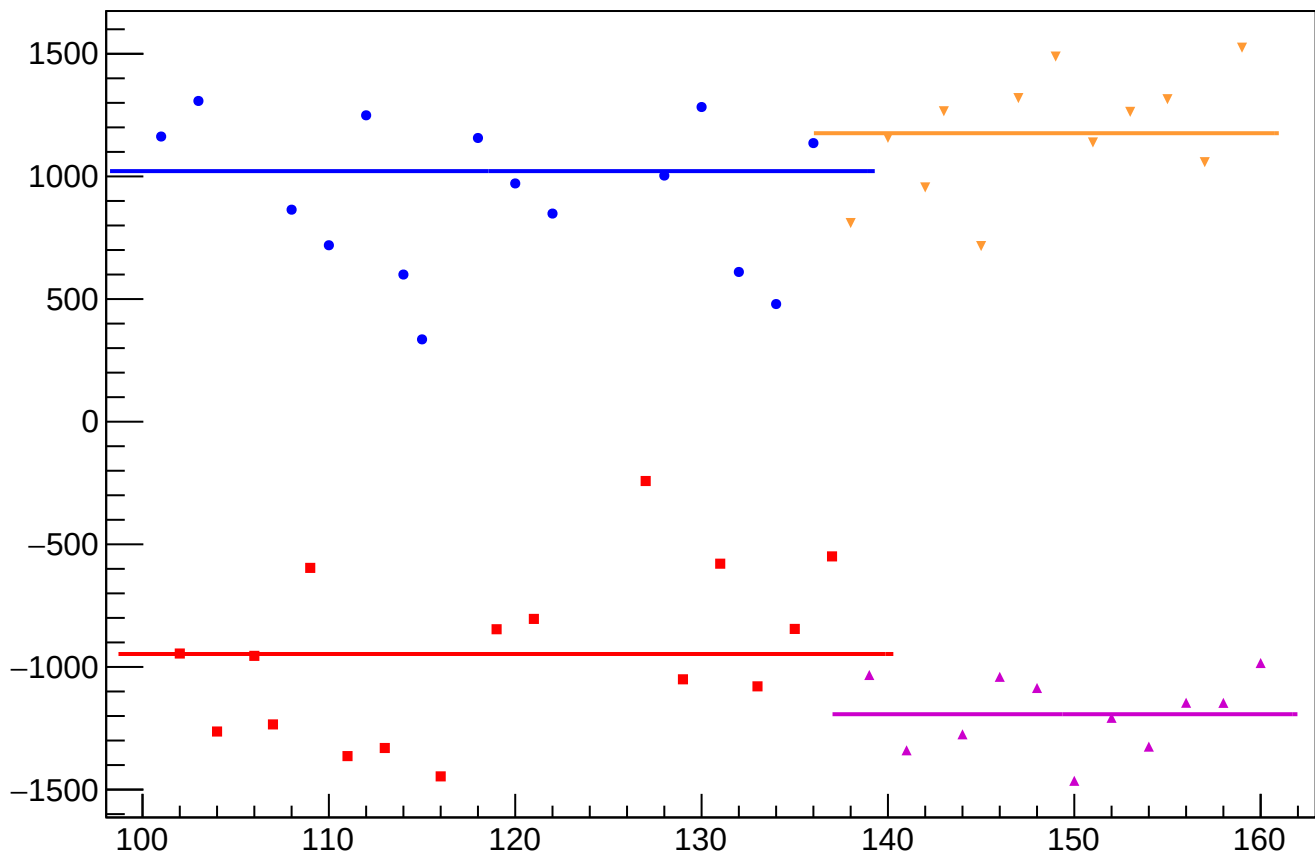
All: -69.961+/-0.000 χ^2/NDF : 706751853981

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



Left: -2.909 +/- 0.000 χ^2/NDF : 12048014195596265
 Right: 15.112 +/- 0.000 χ^2/NDF : 8906438963054982
 In: -37.080 +/- 0.000 χ^2/NDF : 10900445186758413
 Out: 45.997 +/- 0.000 χ^2/NDF : 95342154878008004
 All: 4.603 +/- 0.000 χ^2/NDF : 20979376563720

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

χ^2/NDF : 67784656011936521511169668028018196480.0/15

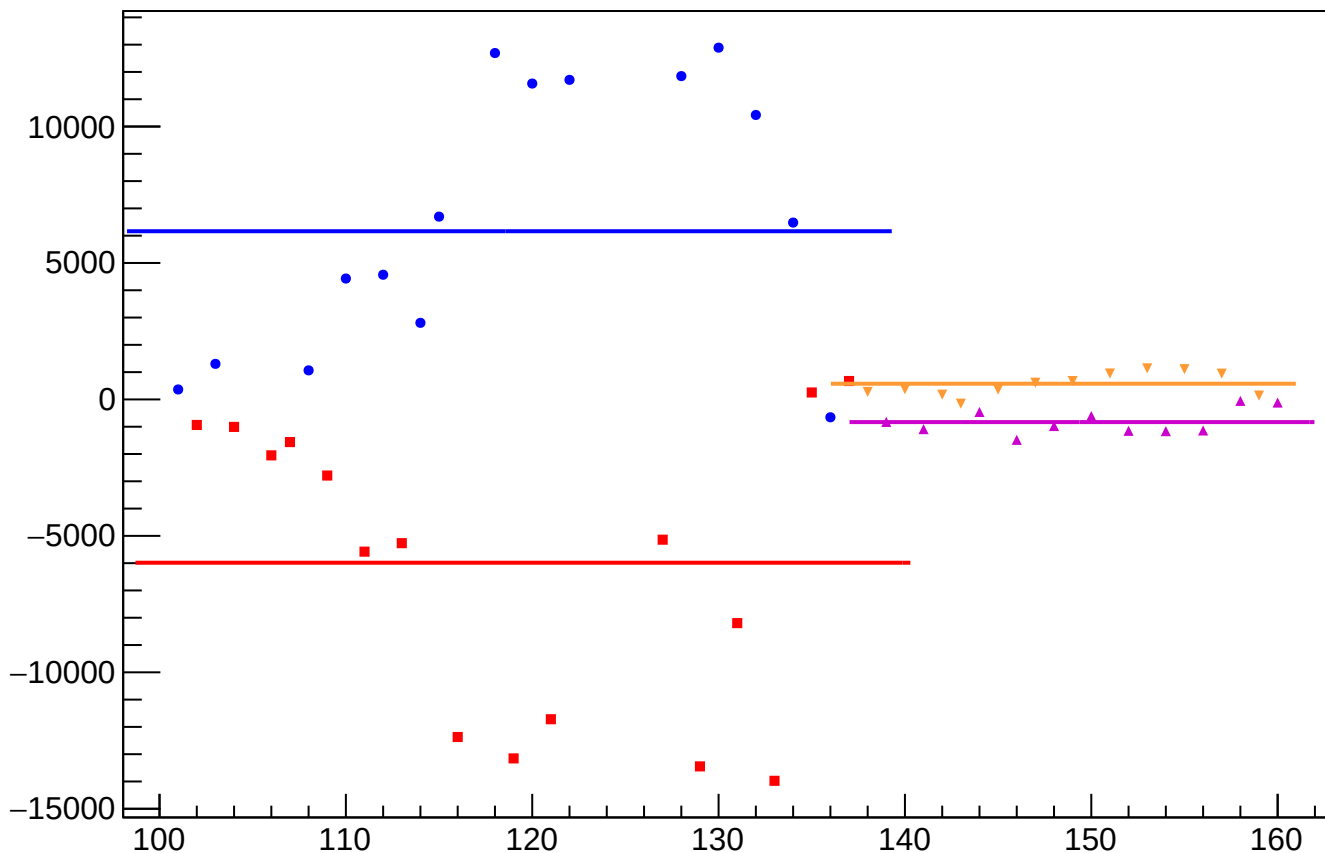
Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

All: 2.502 +/- 0.000

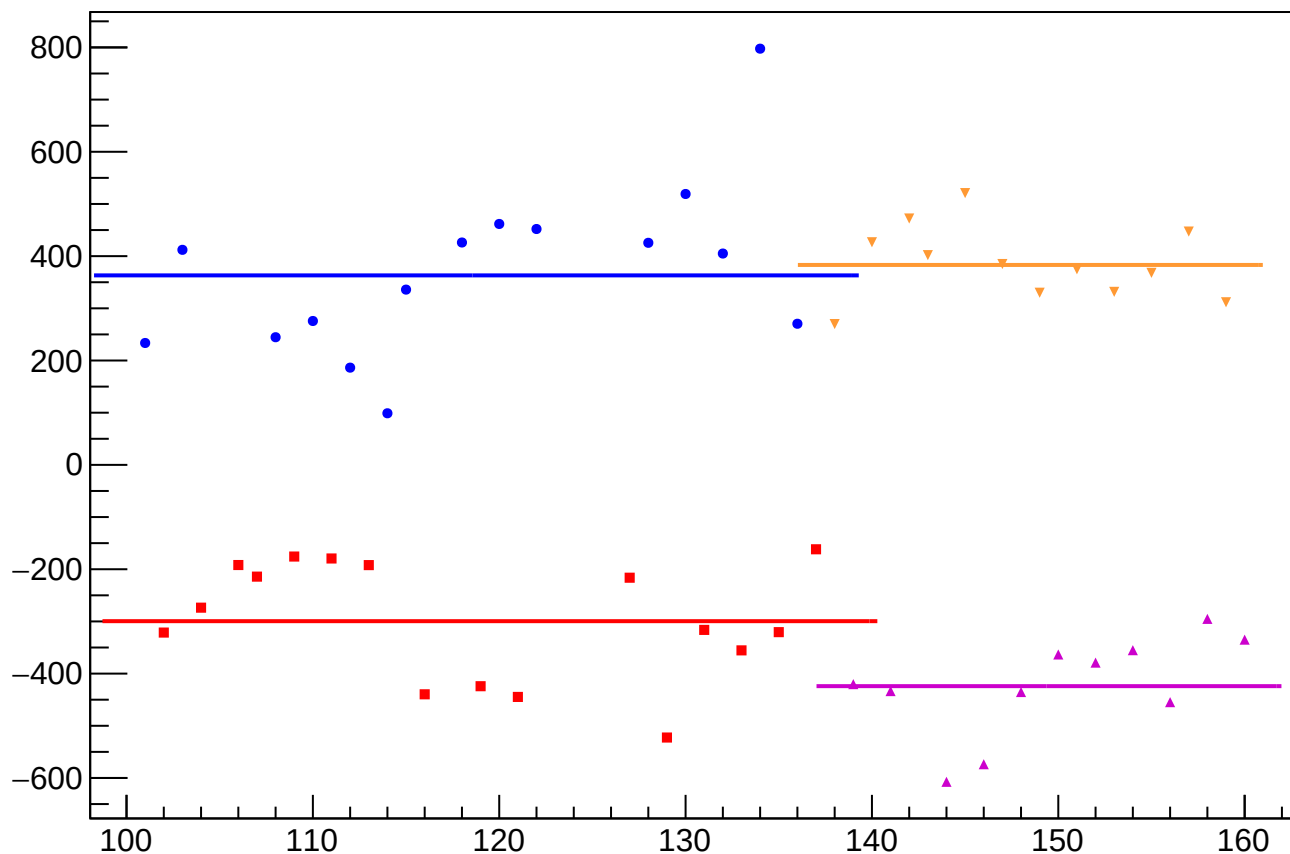
χ^2/NDF : 40397791098983

dit_sam6_coil7_mean vs Slug, Sign Corrected



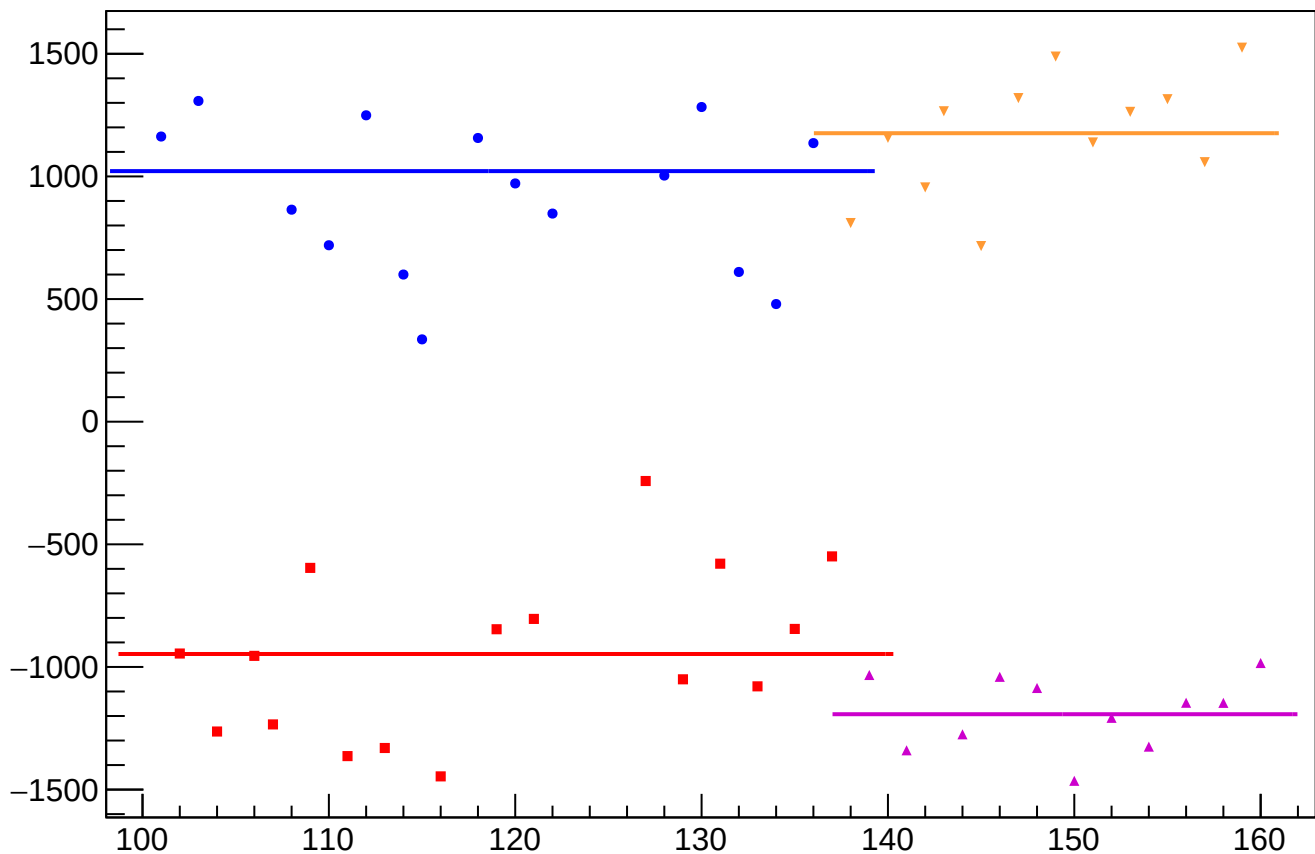
Left: -130.269+/-0.000 χ^2/NDF : 122669407546911
 Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Right: 6.710+/-0.000 χ^2/NDF : 84243130977336022
 Left Out: 575.396+/-0.000 χ^2/NDF : 144552913228066781625188443355564998656.0/11
 In: 2055.062+/-0.000 χ^2/NDF : 3702143048567494
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Out: -2186.621+/-0.000 χ^2/NDF : 34262878323856
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 All: -73.169+/-0.000 χ^2/NDF : 854842243491

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



Right In: 363.133 ± 0.000 $\chi^2/\text{NDF}: 11502791697076456426435998277995331584.0/14$
 Left Out: 383.139 ± 0.000 $\chi^2/\text{NDF}: 4300109581526268747828208718091124736.0/11$
 Right Out: -299.514 ± 0.000 $\chi^2/\text{NDF}: 7685497318744225218354652828984672256.0/15$
 Left In: -424.034 ± 0.000 $\chi^2/\text{NDF}: 7812894231718086106241094868881375232.0/10$
 All: -1.448 ± 0.000 $\chi^2/\text{NDF}: 4774625477045$

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

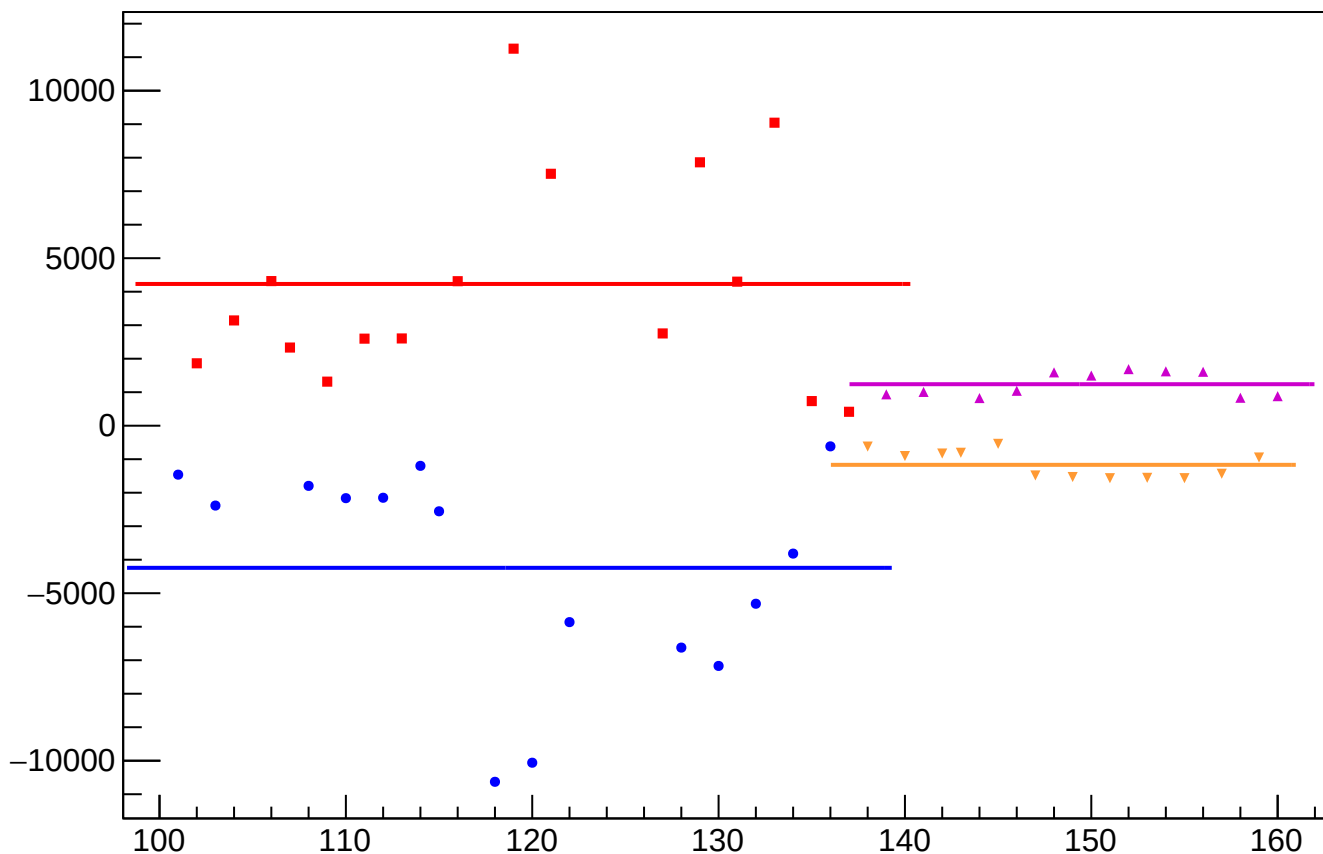
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174 $\pm$ 0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

Left Out: -1167.950 $\pm$ 0.000

χ^2/NDF : 140593267041981181070281289588583432192.0/11

Right Out: 4230.978 $\pm$ 0.000

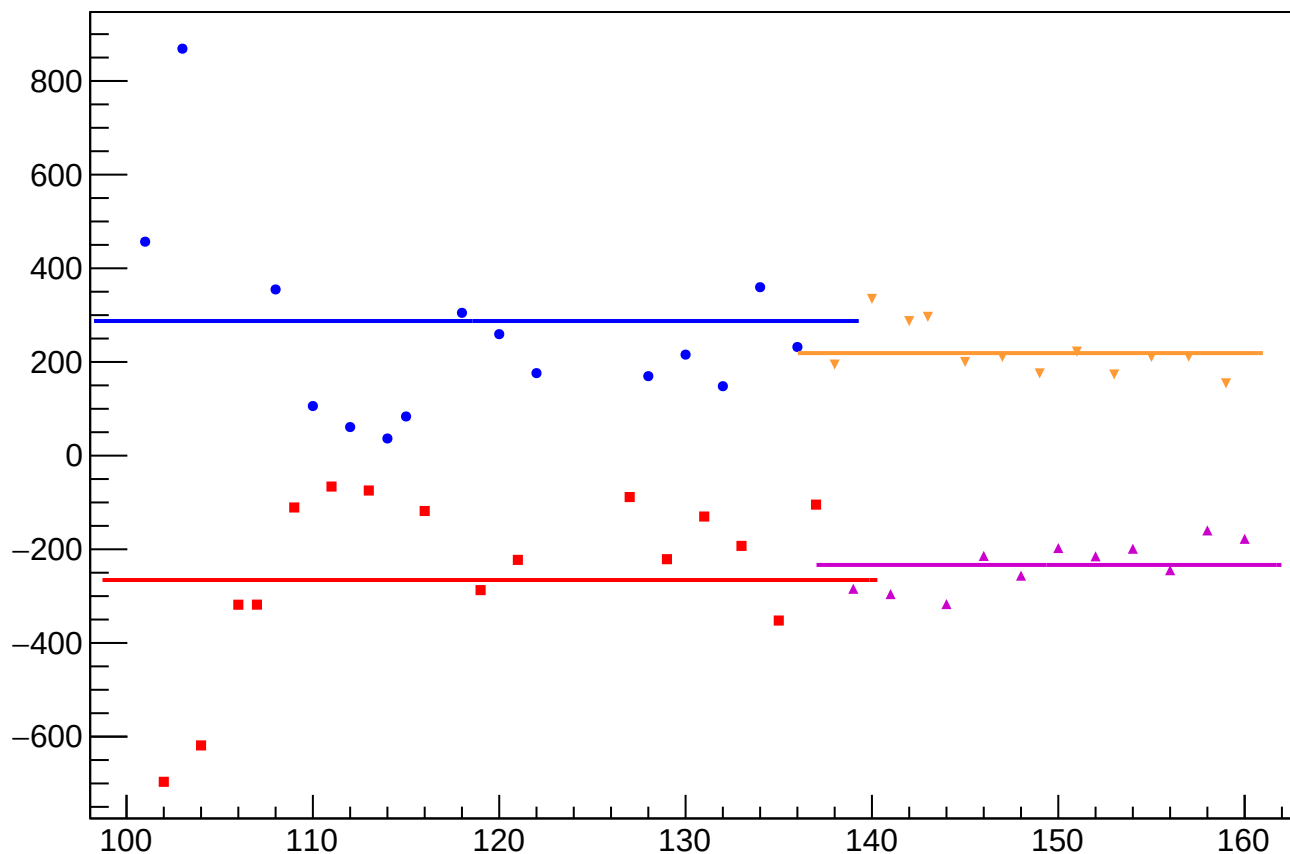
χ^2/NDF : 6682409528103016752204343573740930465792.0/15

Left In: 1238.776 $\pm$ 0.000

χ^2/NDF : 111339045659652616720712870833504124928.0/10

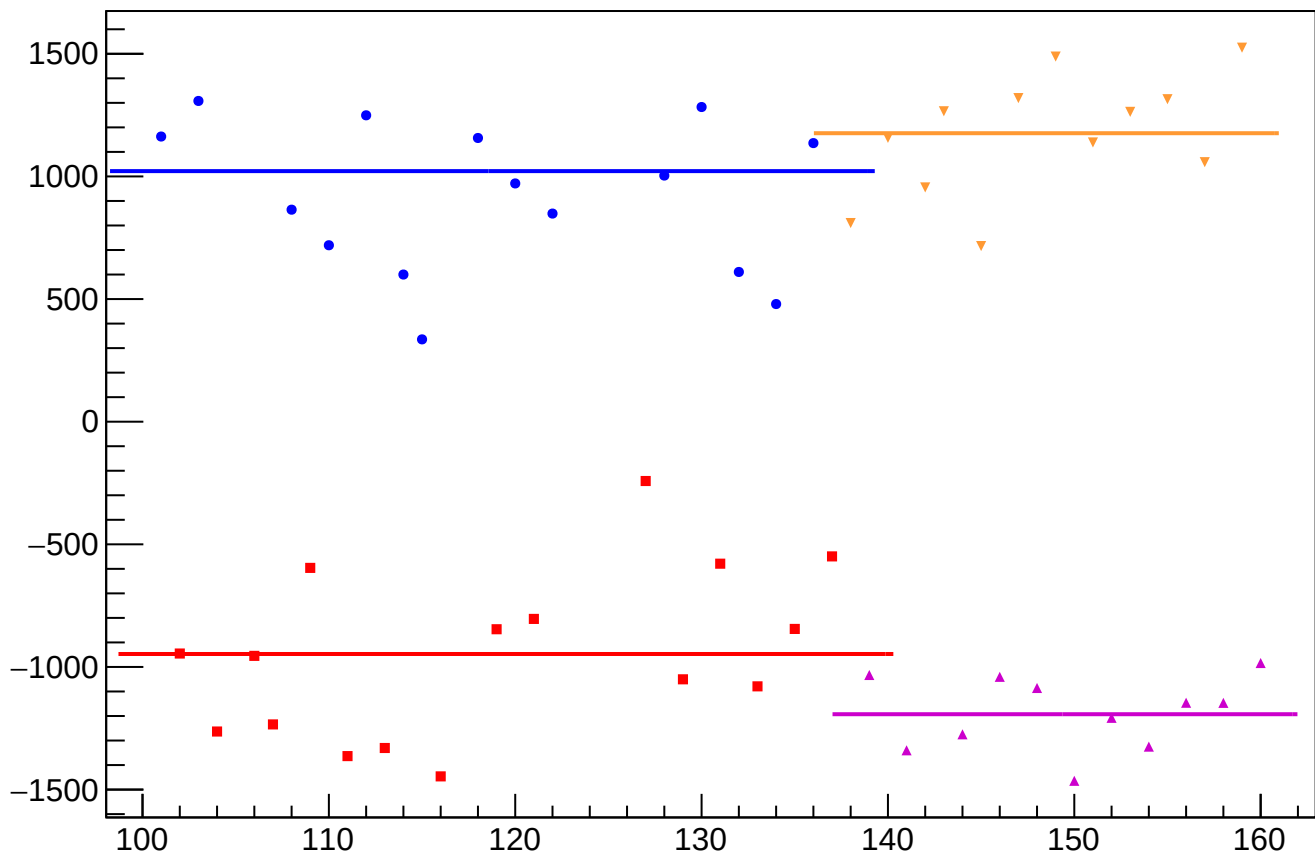
All: 45.141 $\pm$ 0.000 χ^2/NDF : 3999972440310

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460 $\pm$ 0.000 χ^2 /NDF: 29517044144826155936619151581366976512.0/14
 Left Out: 218.953 $\pm$ 0.000 χ^2 /NDF: 2475213997163419950481199473566416896.0/11
 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: -1.732 $\pm$ 0.000 χ^2 /NDF: 2549717132605

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1176.242 +/- 0.000

χ^2/NDF : 53355525796592022882385023198883217408.0/11

Right Out: -947.145 +/- 0.000

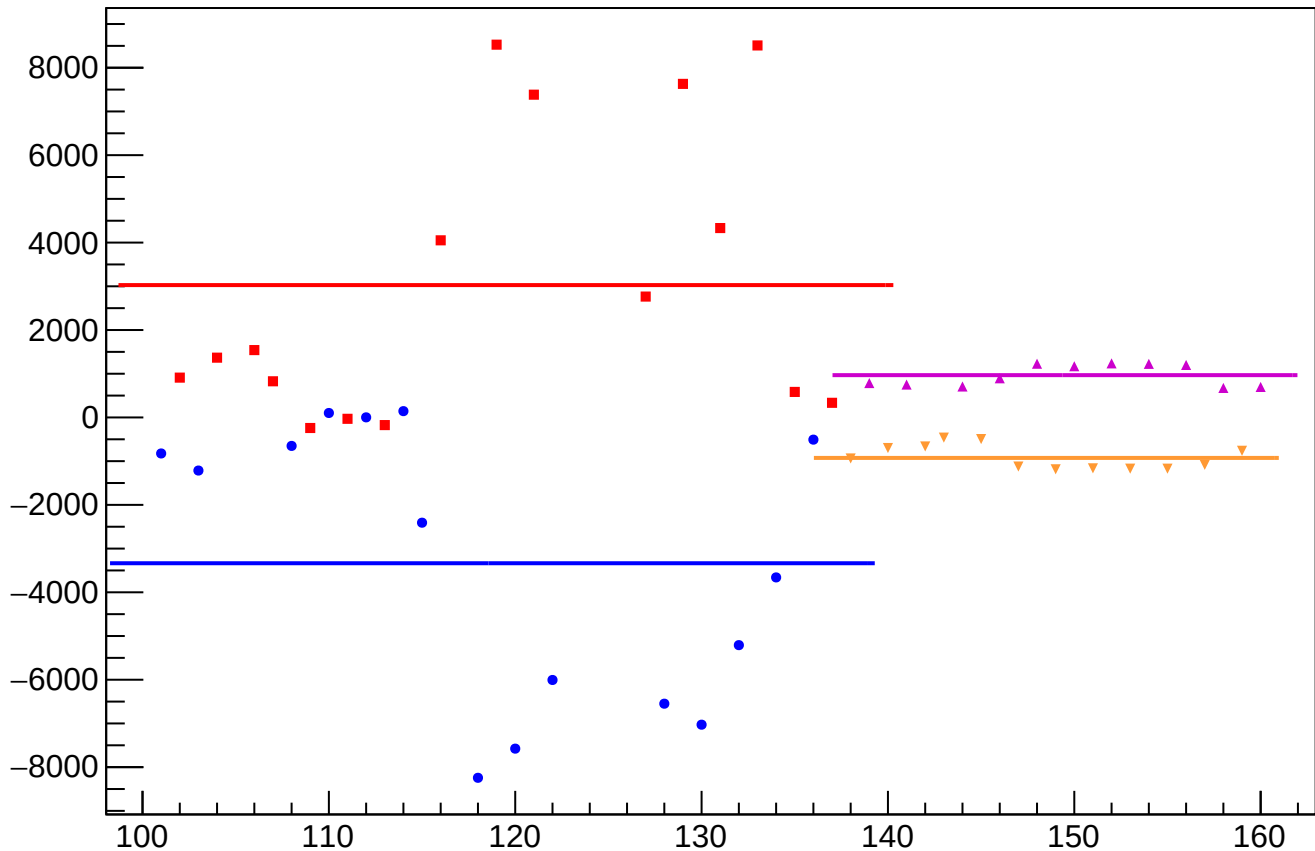
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 1925528738372820562654022867381911552.0/10

All: 2.502 +/- 0.000 χ^2/NDF : 40397791098983

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3335.273+/-0.000

χ^2/NDF : 6338087251589637529030075517152423575552.0/14

Left Out: -925.824+/-0.000

χ^2/NDF : 64067799071771654441544775824759062528.0/11

Right Out: 3027.603+/-0.000

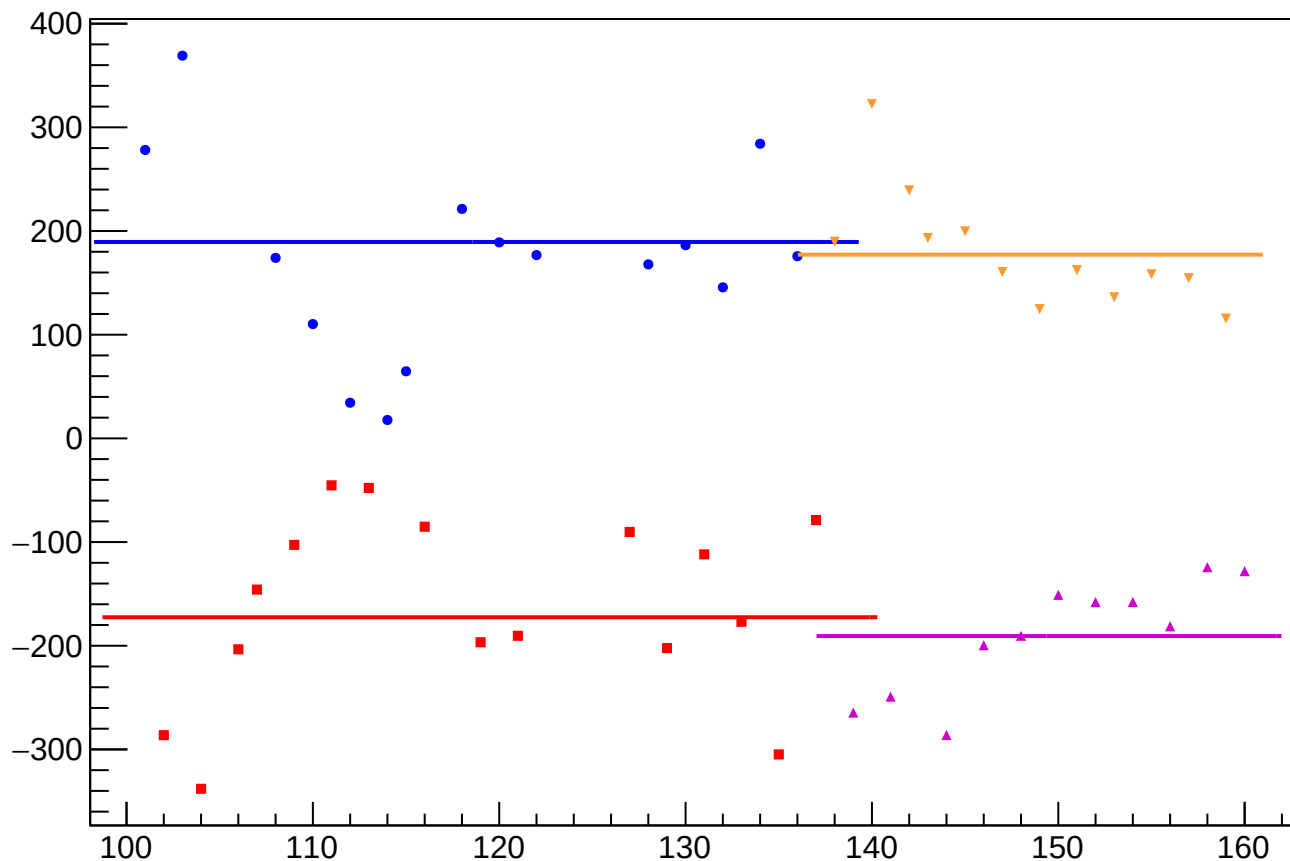
χ^2/NDF : 7086157086694396583090903767581326311424.0/15

Left In: 967.568+/-0.000

χ^2/NDF : 51461881619401718567497787720865939456.0/10

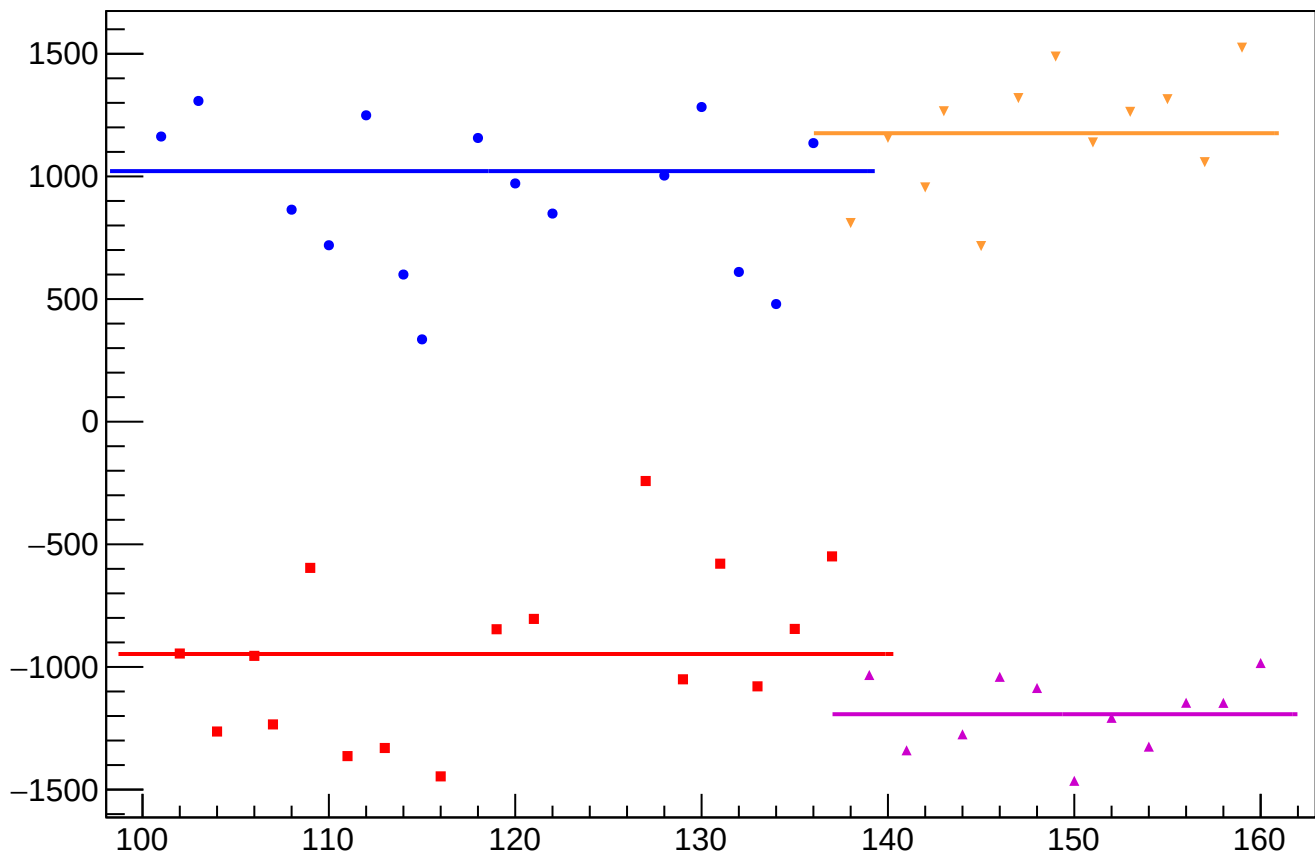
All: -31.716+/-0.000 χ^2/NDF : 285211212597

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Left Out: 177.229 +/- 0.000 χ^2/NDF : 2763689981014700365307320120704499712.0/11
 Right Out: -172.485 +/- 0.000 χ^2/NDF : 5594813408996728261938711470404534272.0/15
 Left In: -190.641 +/- 0.000 χ^2/NDF : 2536070386684067132001548898091925504.0/10
 All: -1.816 +/- 0.000 χ^2/NDF : 1211116539519

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1176.242+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 53355525796592022882385023198883217408.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 1925528738372820562654022867381911552.0/10

Left: -12.726+/-0.000 χ^2/NDF : 2655416452338642

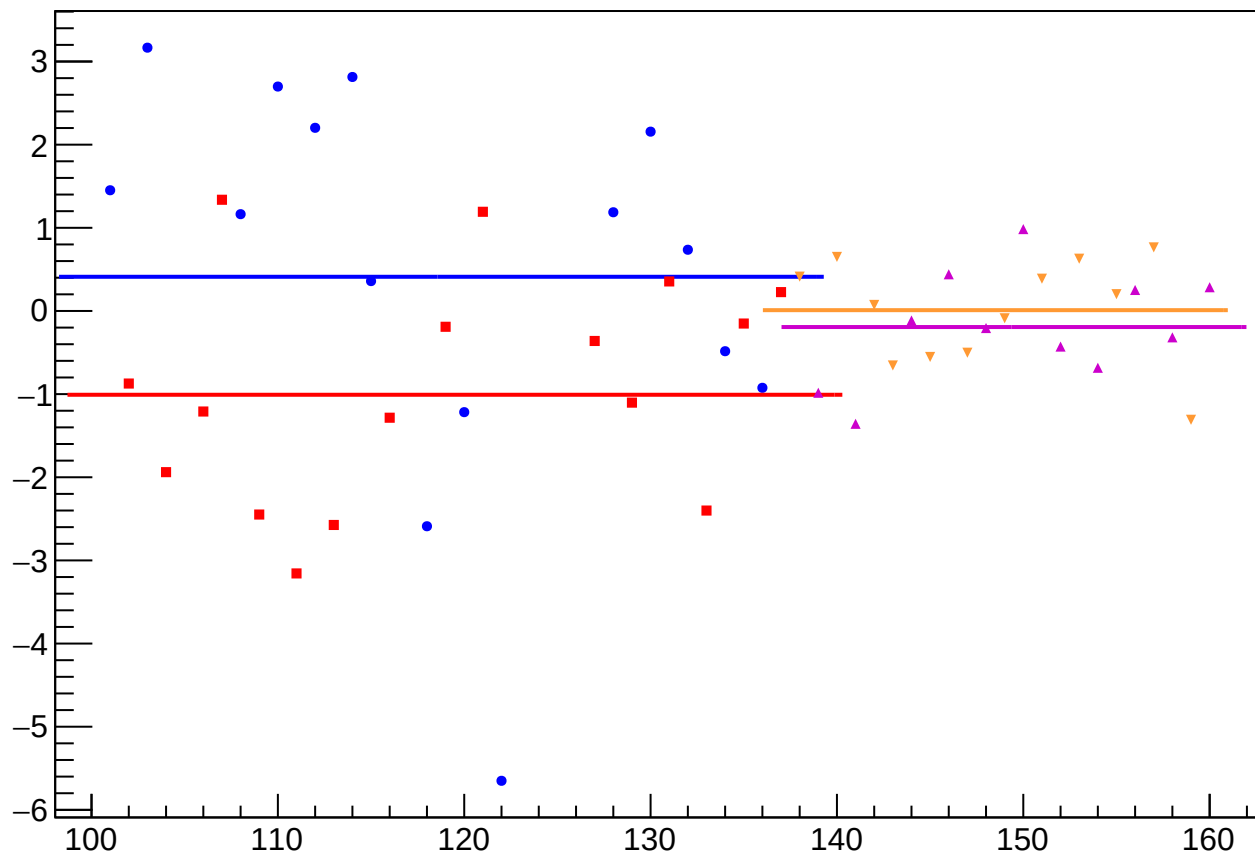
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.114+/-0.000 χ^2/NDF : 1862139150205248

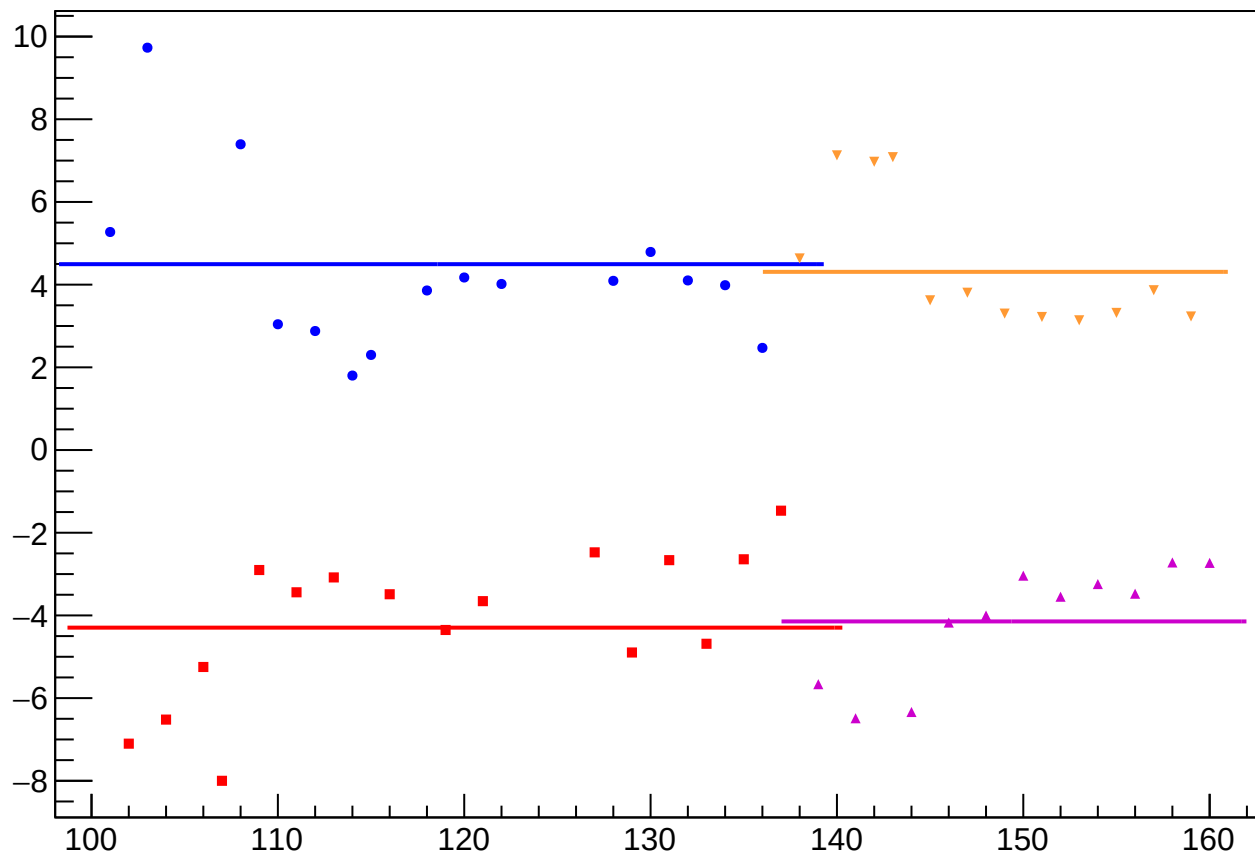
All: 2.502+/-0.000 χ^2/NDF : 40397791098983

dit_4aX_coil4_mean vs Slug, Sign Corrected



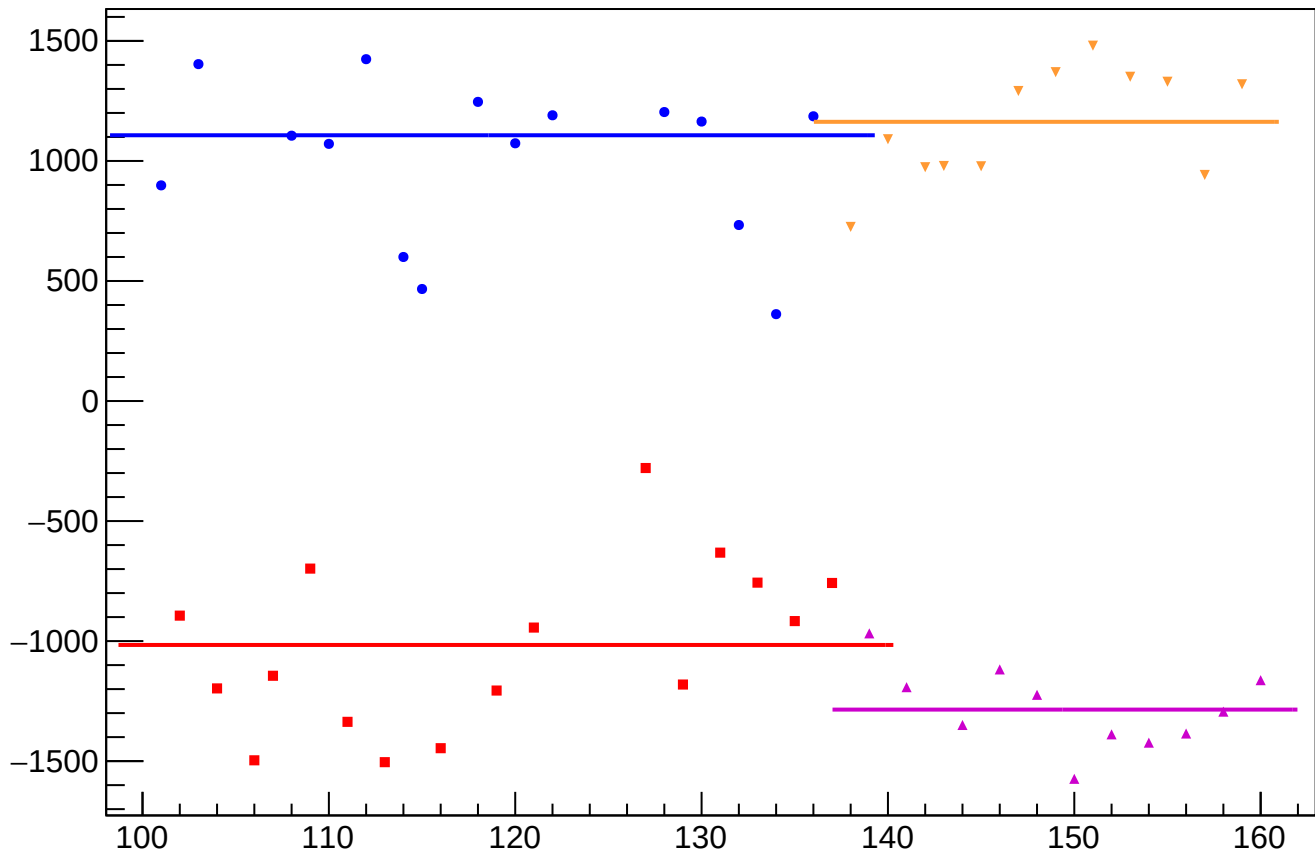
Right In: 0.411+/-0.000 χ^2/NDF : 3385573506255563170053089820409856.0/14
 Left Out: 0.010+/-0.000 χ^2/NDF : 353620786406369007663734375579648.0/11
 Right Out: -1.008+/-0.000 χ^2/NDF : 1128402228144096394498047410700288.0/15
 Left In: -0.193+/-0.000 χ^2/NDF : 386133523330033860307880234713088.0/10
 All: -0.182+/-0.000 χ^2/NDF : 5970744078372

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



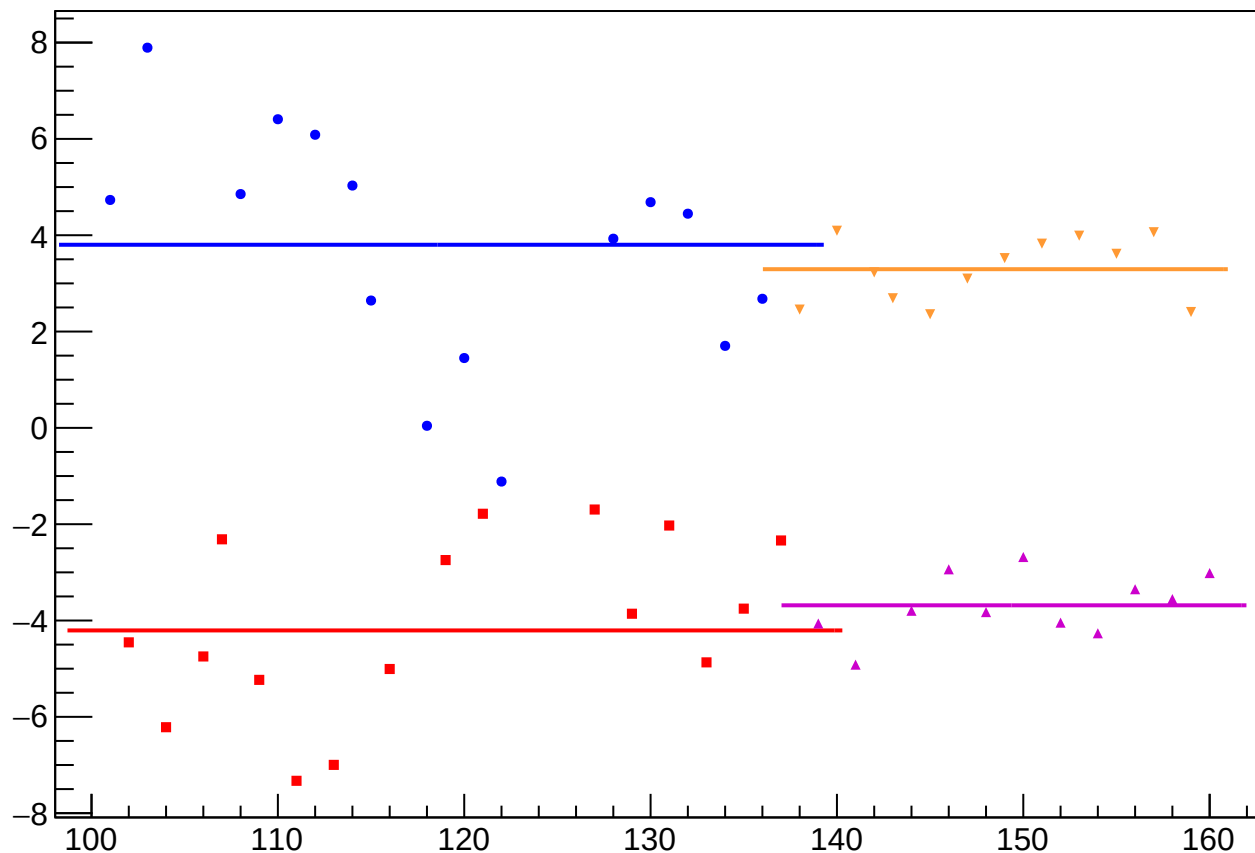
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 2742240072441097531500728791597056.0/14
 Left Out: 4.310 $\pm$ 0.000 χ^2 /NDF: 2040592298318690802405823572082688.0/11
 Right Out: -4.296 $\pm$ 0.000 χ^2 /NDF: 2011925707062051890381007475441664.0/15
 Left In: -4.145 $\pm$ 0.000 χ^2 /NDF: 1645942604303349608571849827942400.0/10
 All: 0.055 $\pm$ 0.000 χ^2 /NDF: 66761434999463.0/40

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



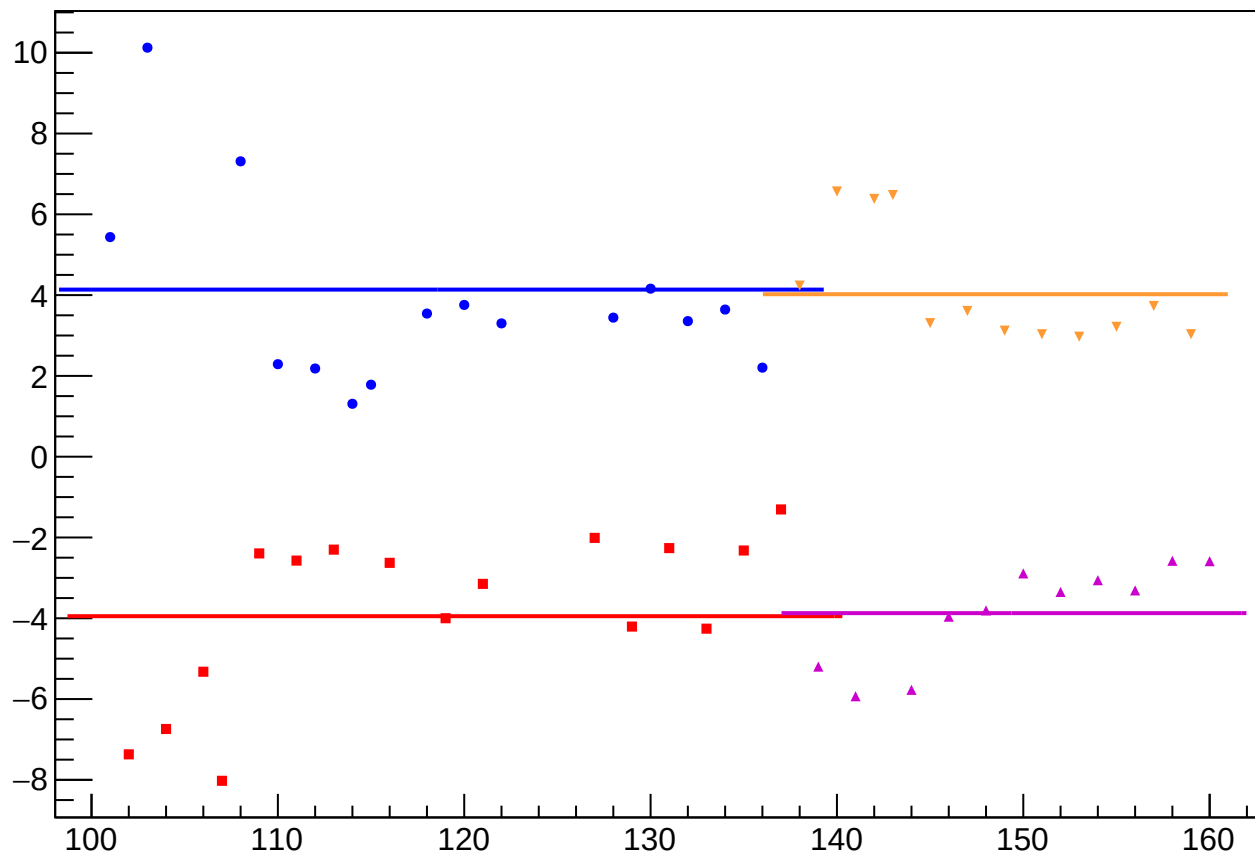
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_4eX_coil4_mean vs Slug, Sign Corrected



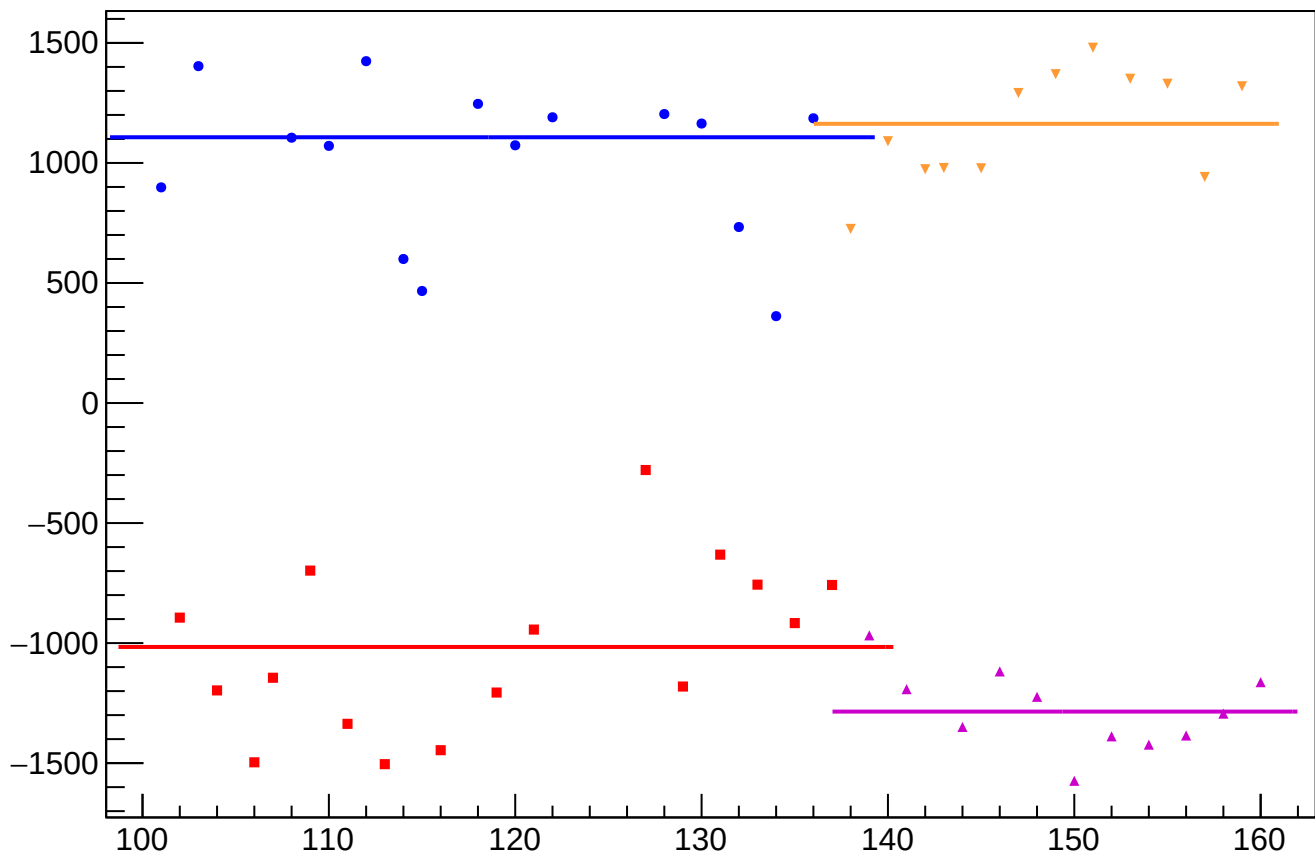
Right In: 3.802 ± 0.000 χ^2/NDF : 3795476074398338930564700657680384.0/14
 Left Out: 3.295 ± 0.000 χ^2/NDF : 390847239589673517583250386583552.0/11
 Right Out: -4.206 ± 0.000 χ^2/NDF : 2096427813341454573332265183477760.0/15
 Left In: -3.684 ± 0.000 χ^2/NDF : 366001419656422310601850072596480.0/10
 All: -0.228 ± 0.000 χ^2/NDF : 5015899532000

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



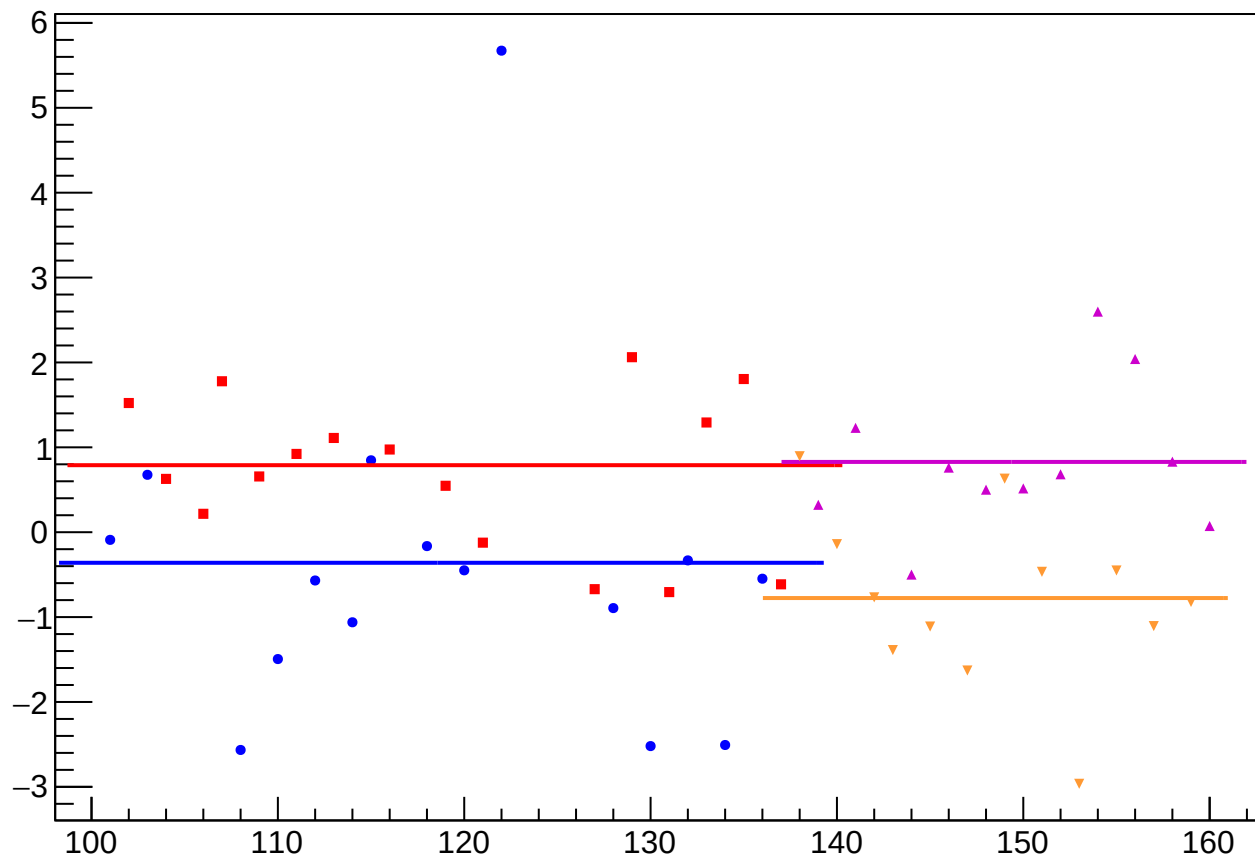
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.022 $\pm$ 0.000 χ^2 /NDF: 1623918055405441678672358958694400.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59266421309858

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



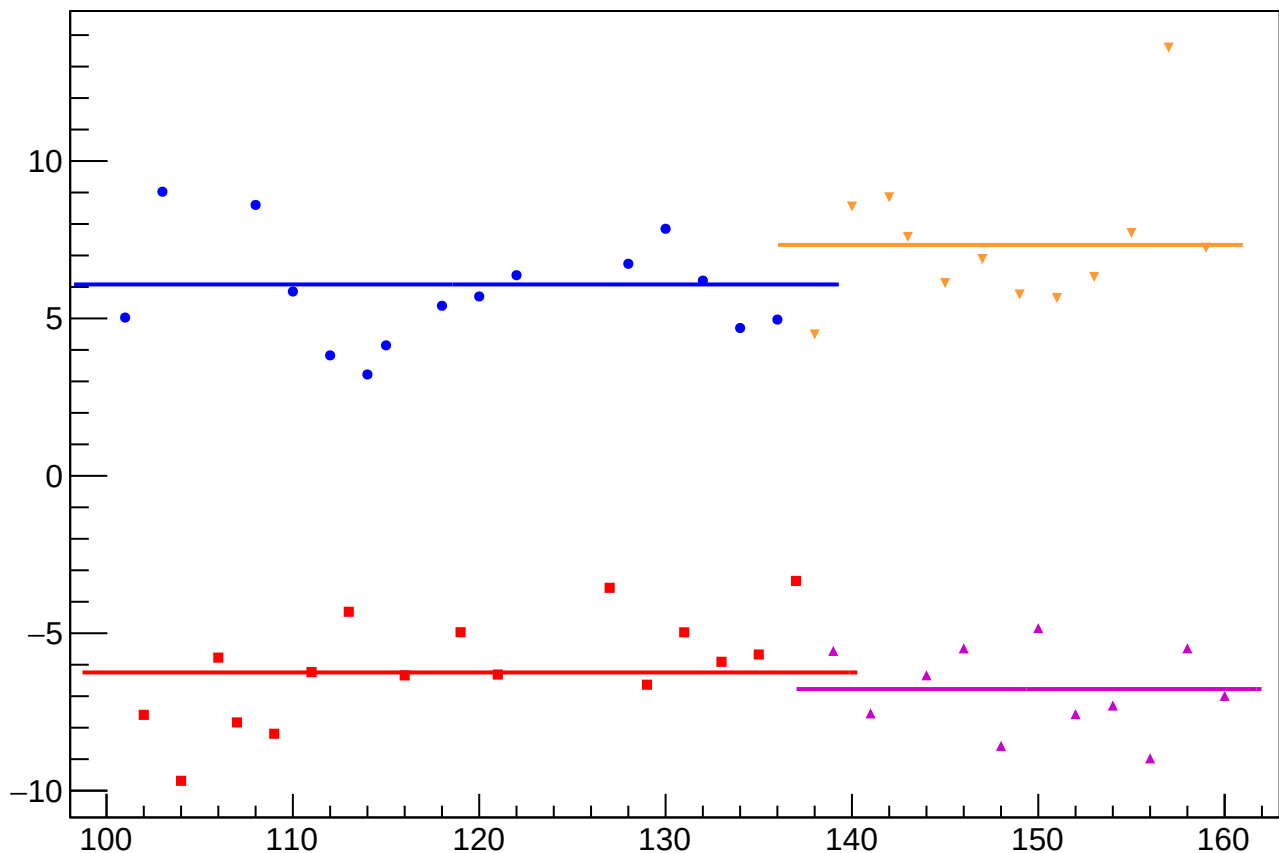
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_11X12X_coil4_mean vs Slug, Sign Corrected



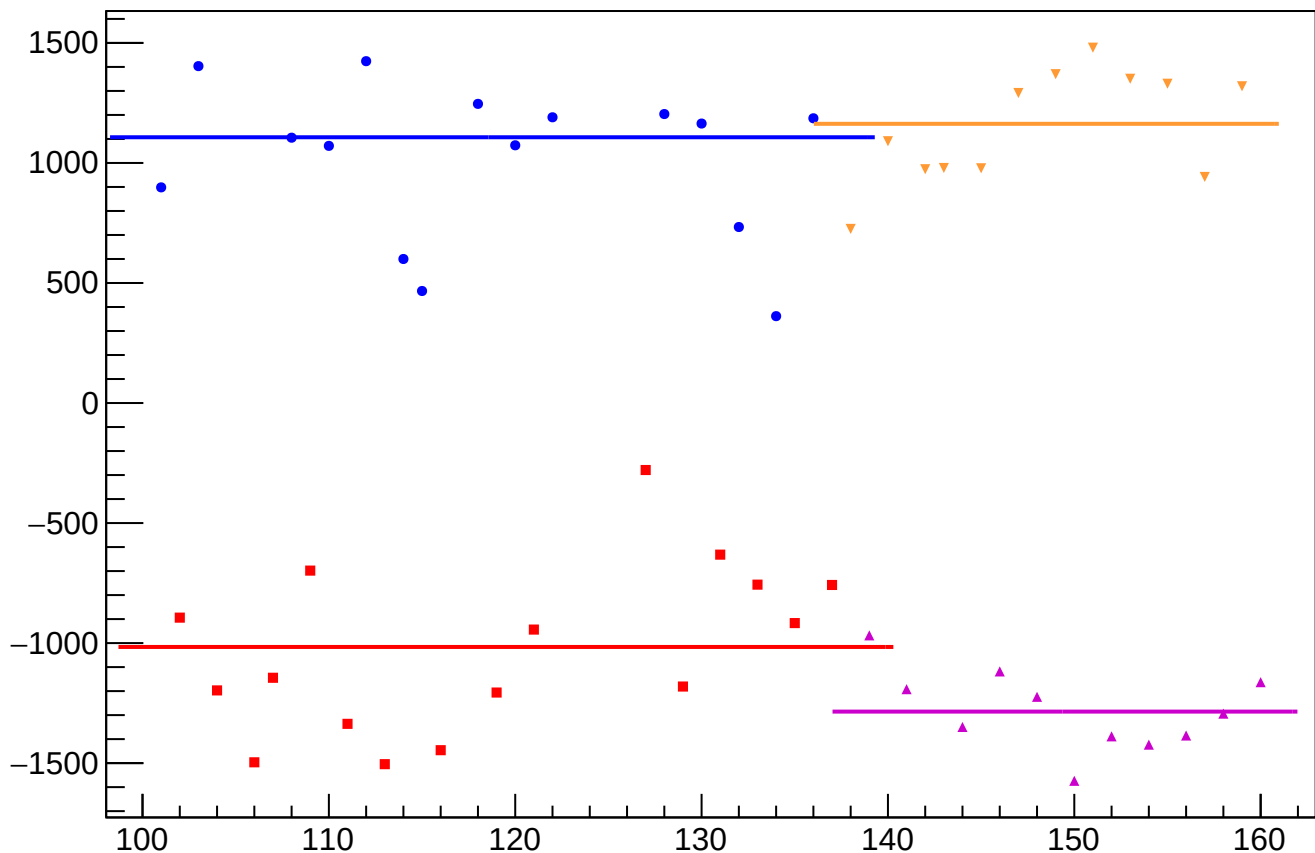
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.776 ± 0.000 χ^2/NDF : 939757082215191020614021048958976.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.828 ± 0.000 χ^2/NDF : 650173977459122524537180454387712.0/10
 All: 0.110 ± 0.000 χ^2/NDF : 58805084148536

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



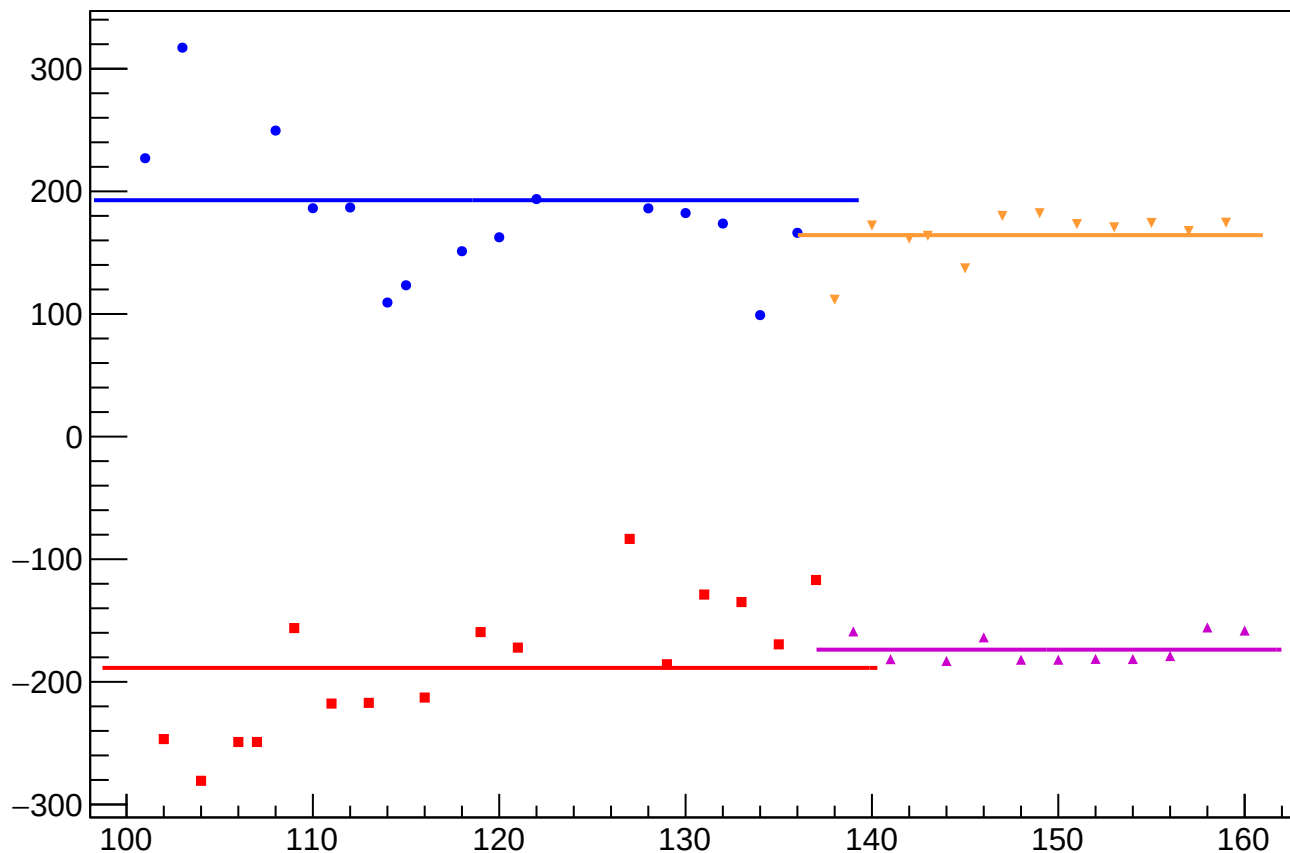
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.336 ± 0.000 $\chi^2/\text{NDF}: 4625628833201139991267353991053312.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 All: 0.079 ± 0.000 $\chi^2/\text{NDF}: 15129238447784$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



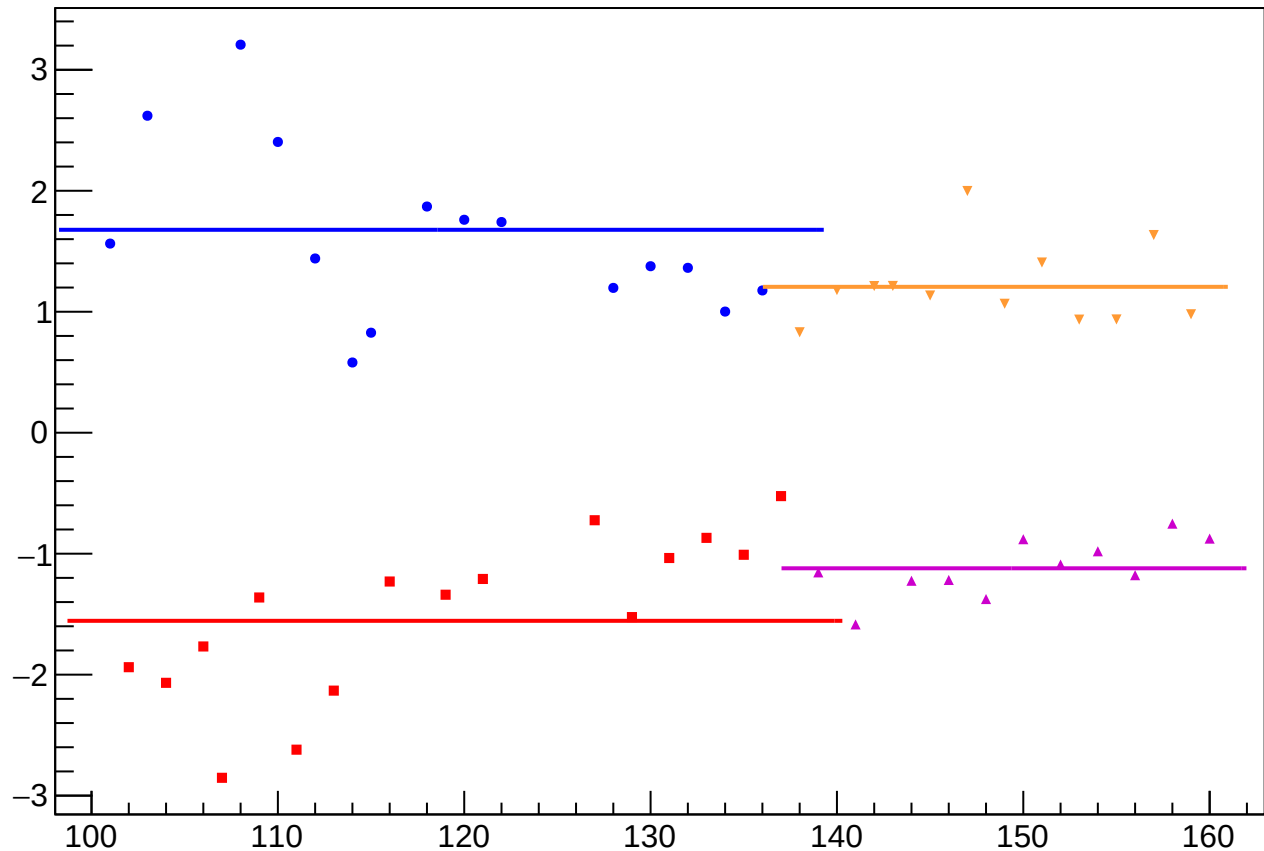
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_4aY_coil4_mean vs Slug, Sign Corrected



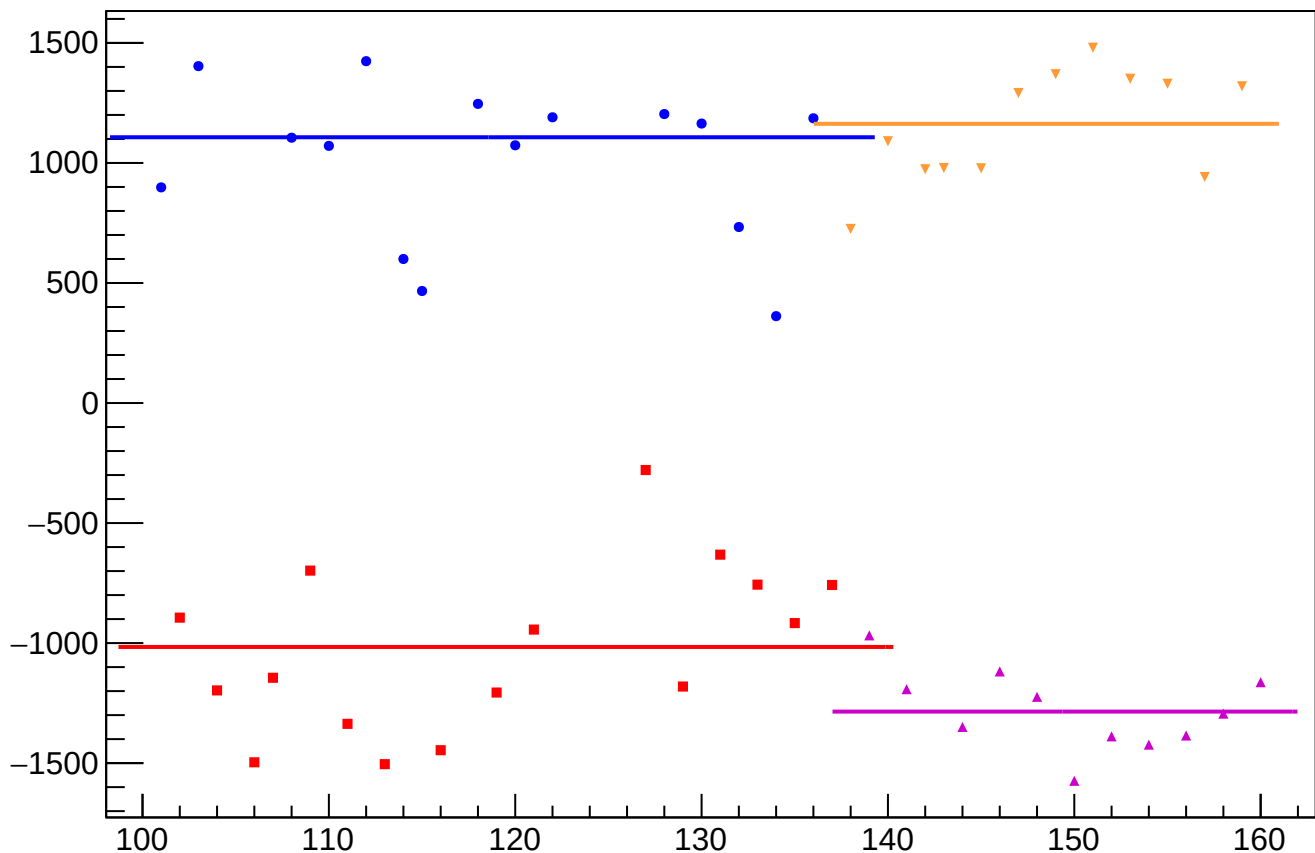
Right In: 192.771 ± 0.000 $\chi^2/\text{NDF}: 1640576279746948433391816936236515328.0/14$
 Left Out: 164.293 ± 0.000 $\chi^2/\text{NDF}: 353830120963940060605794212550541312.0/11$
 Right Out: -188.612 ± 0.000 $\chi^2/\text{NDF}: 1922342257287674563344204730019610624.0/15$
 Left In: -173.738 ± 0.000 $\chi^2/\text{NDF}: 107568156923900649458795541002452992.0/10$
 All: -3.349 ± 0.000 $\chi^2/\text{NDF}: 1044771835030$

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



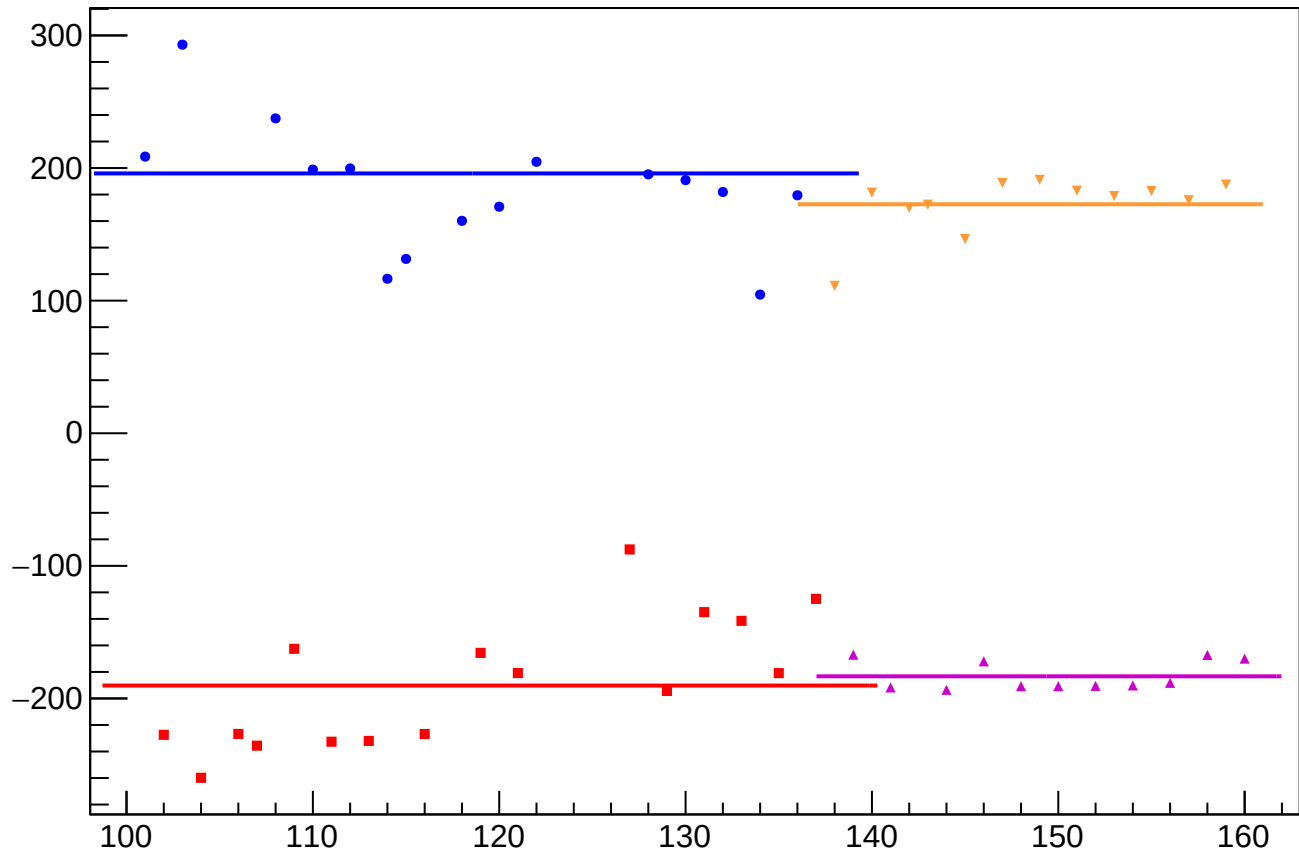
Right In: 1.677 $\pm$ 0.000 χ^2 /NDF: 241879924044788593292791559225344.0/14
 Left Out: 1.206 $\pm$ 0.000 χ^2 /NDF: 95869624128559666267627066490880.0/11
 Right Out: -1.555 $\pm$ 0.000 χ^2 /NDF: 255645951433890296827677195108352.0/15
 Left In: -1.121 $\pm$ 0.000 χ^2 /NDF: 48374896563348957372285351624704.0/10
 All: 0.039 $\pm$ 0.000 χ^2 /NDF: 65705107154675

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_4eY_coil4_mean vs Slug, Sign Corrected



Right In: 195.940 $\pm$ 0.000

χ^2 /NDF: 1057891079869089572370479093183938560.0/14

Left Out: 172.678 $\pm$ 0.000

χ^2 /NDF: 444129154318784491704790528347340800.0/11

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

Left: -5.983 $\pm$ 0.000 χ^2 /NDF: 58864914274163401

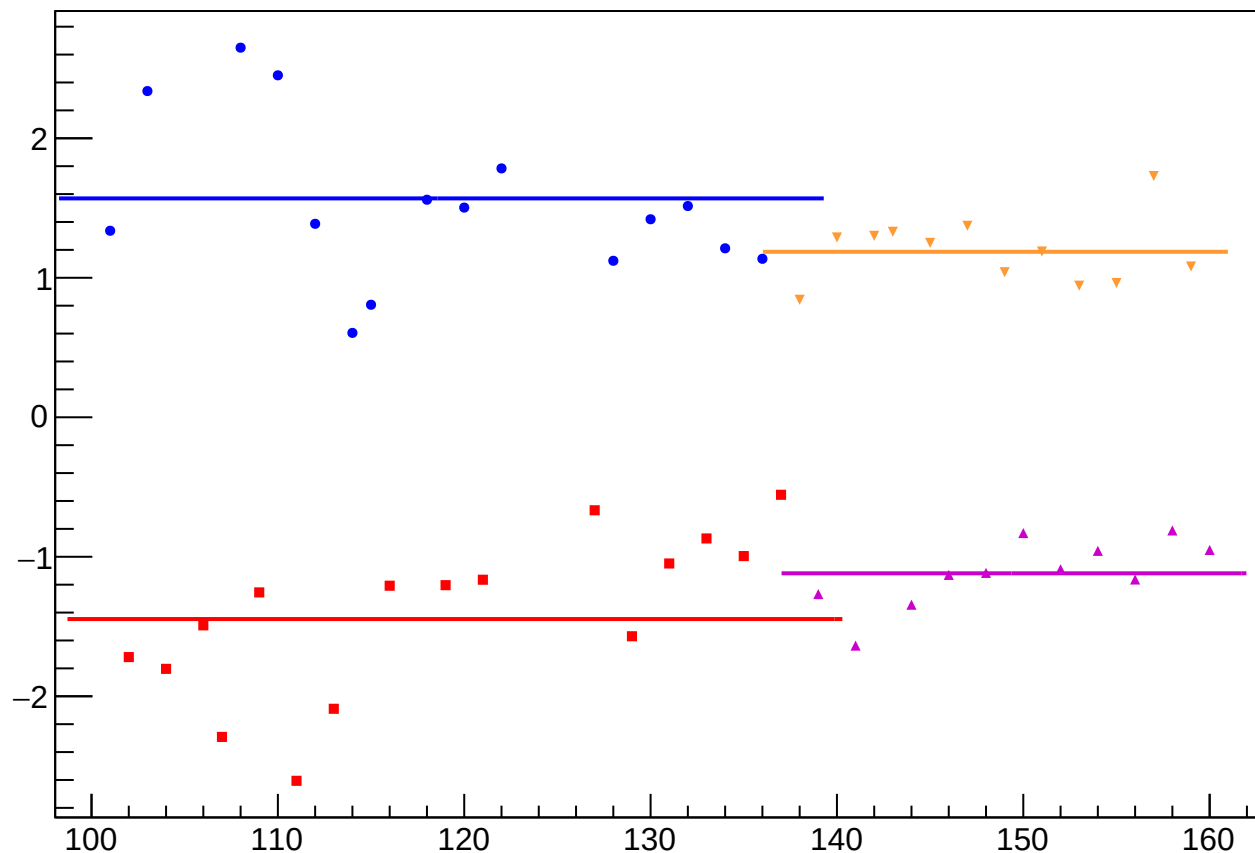
Right: 0.195 $\pm$ 0.000 χ^2 /NDF: 51589726724001798

In: -26.825 $\pm$ 0.000 χ^2 /NDF: 55986720653015776

Out: 19.847 $\pm$ 0.000 χ^2 /NDF: 52778083366810499

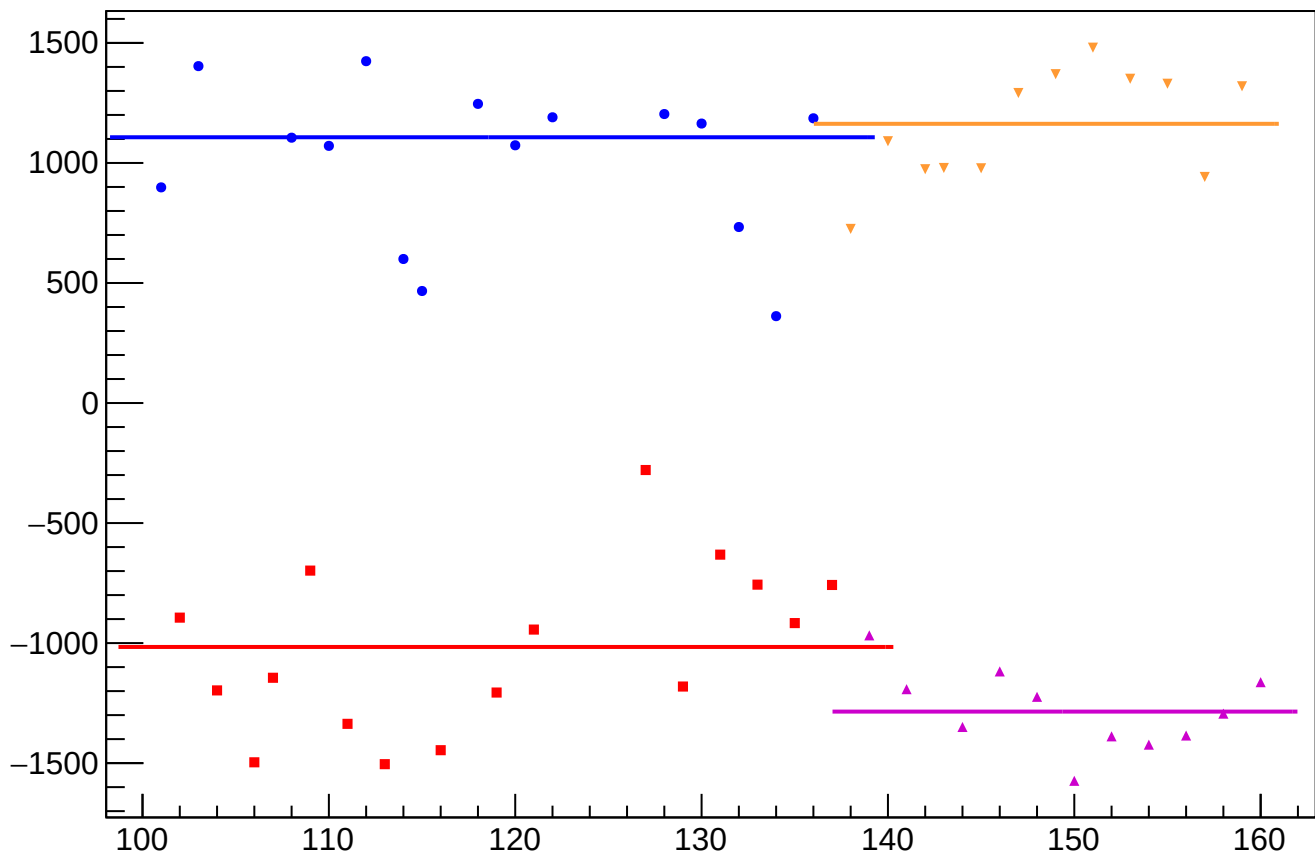
All: -3.408 $\pm$ 0.000 χ^2 /NDF: 1104839326993

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



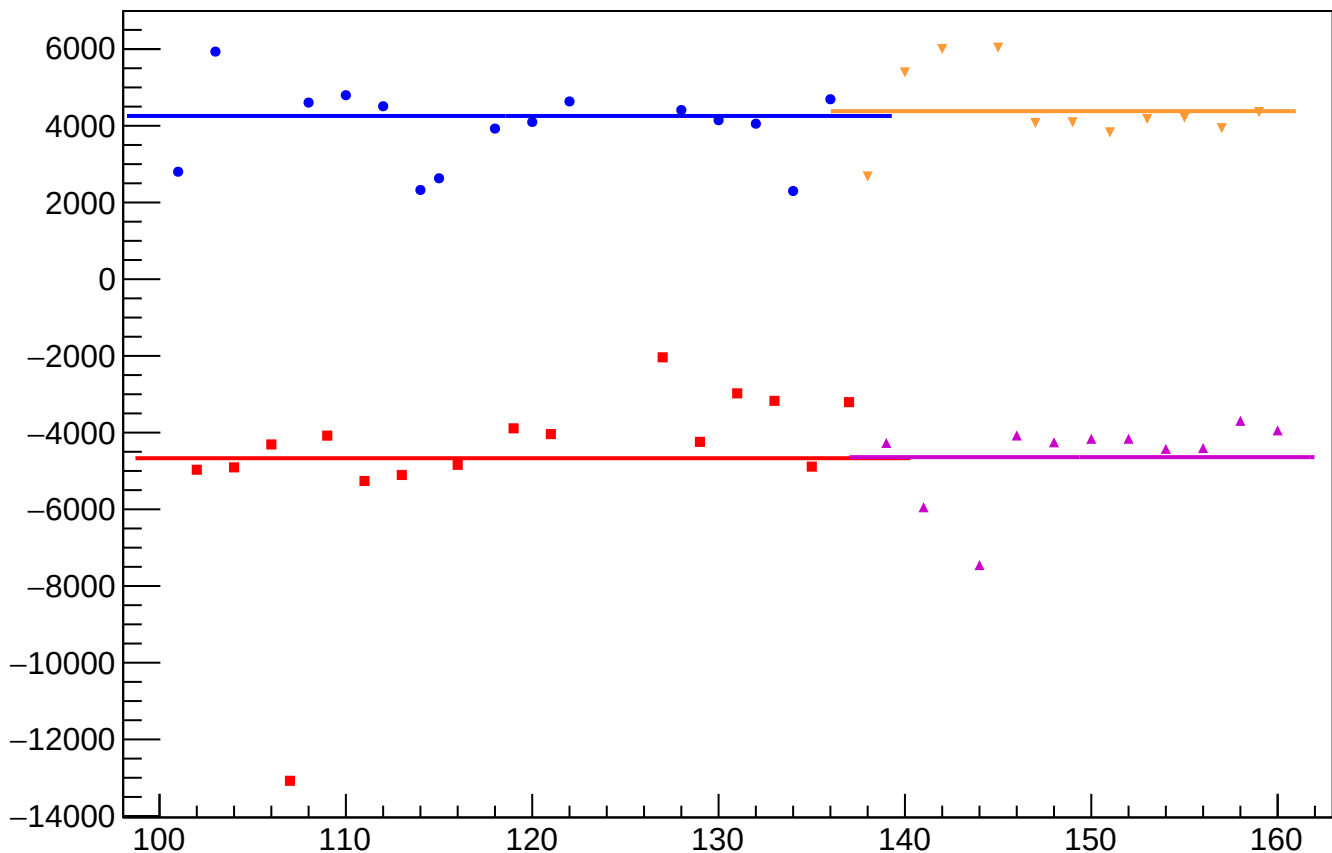
Right In: 1.569 ± 0.000 $\chi^2/\text{NDF}: 162849195668123380789610540957696.0/14$
 Left Out: 1.186 ± 0.000 $\chi^2/\text{NDF}: 50110649006733128269701442437120.0/11$
 Right Out: -1.446 ± 0.000 $\chi^2/\text{NDF}: 196296653917523352443271052787712.0/15$
 Left In: -1.118 ± 0.000 $\chi^2/\text{NDF}: 48973496995723480911801365823488.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 58938885510932$

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



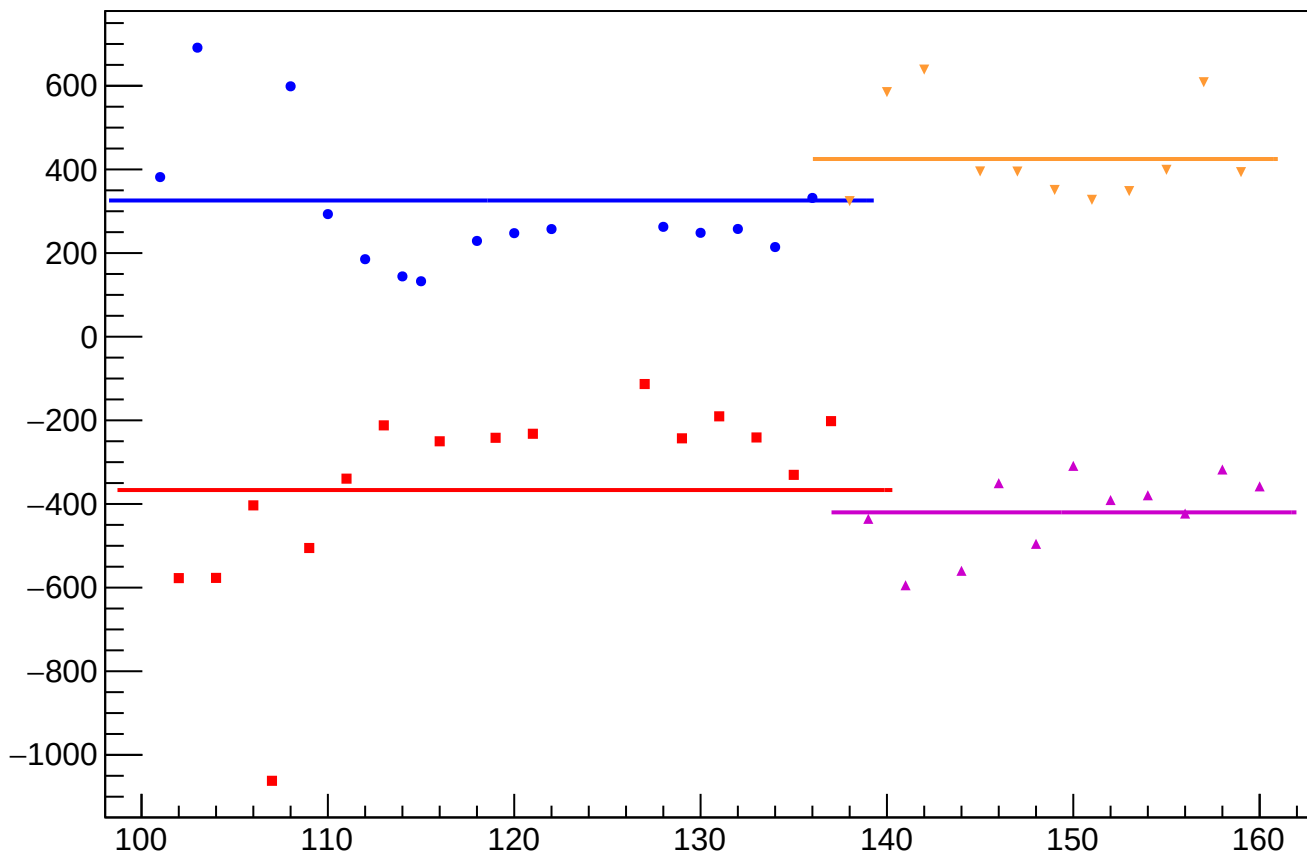
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_usl_coil4_mean vs Slug, Sign Corrected



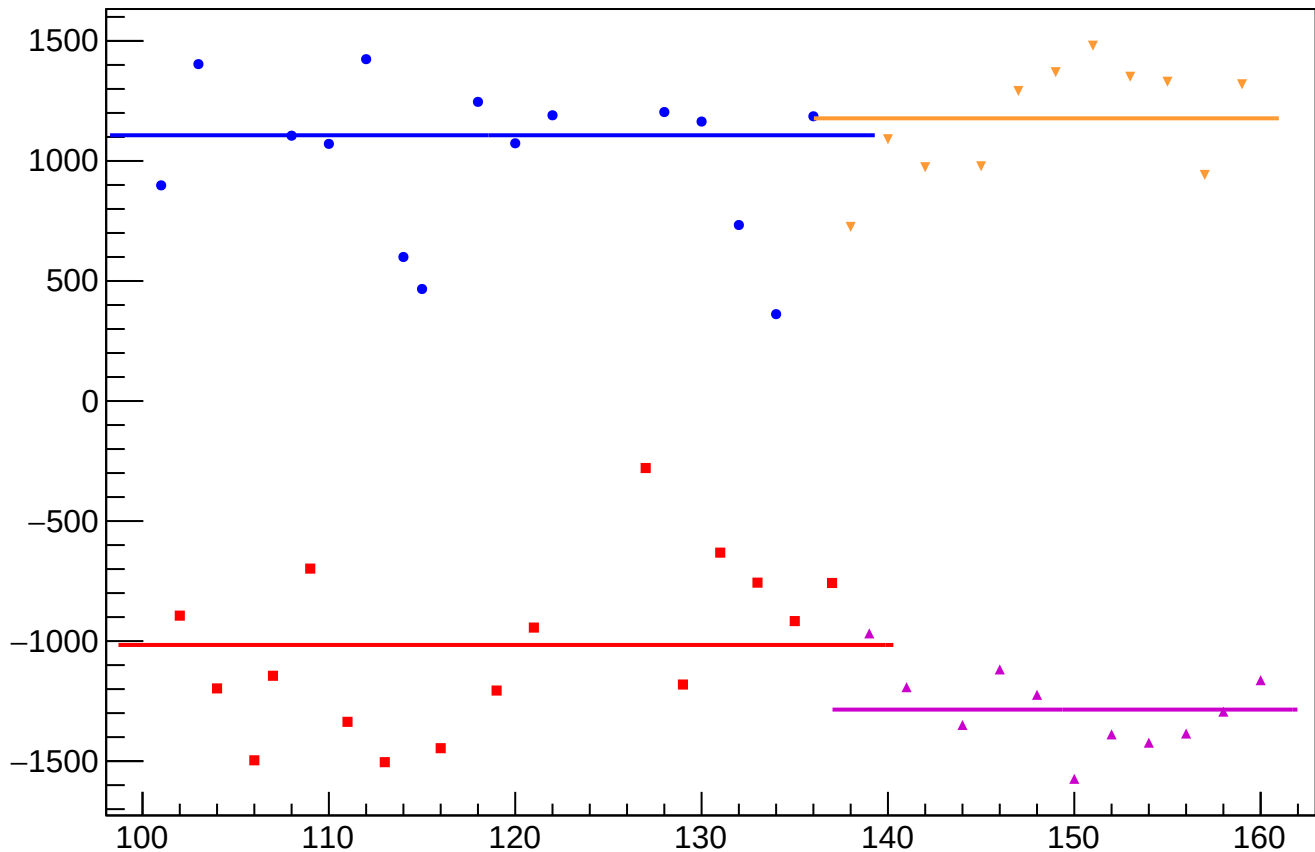
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4380.887+/-0.000 χ^2/NDF : 711929350796242872356445332084336099328.0/10
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4639.846+/-0.000 χ^2/NDF : 1058446303743243170530981239939506634752.0/10
 All: -295.959+/-0.000 χ^2/NDF : 67696469529

dit_usl_coil4_err_mean vs Slug, Sign Corrected



Right In: 325.732 $\pm$ 0.000 χ^2 /NDF: 14633359567940244123897242769854300160.0/14
 Left Out: 424.941 $\pm$ 0.000 χ^2 /NDF: 9621828673272649813383773272468881408.0/10
 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: -19.455 $\pm$ 0.000 χ^2 /NDF: 537961516832

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000

χ^2/NDF : 40633831787810179240542210398269472768.0/14

Left Out: 1177.551+/-0.000

χ^2/NDF : 43299032399354290264123483303178141696.0/10

Right Out: -1016.106+/-0.000

χ^2/NDF : 7256766433509192712184310037150171136.0/15

Left In: -1285.364+/-0.000

χ^2/NDF : 24002572803732345959736048095514853376.0/10

Left: -105.275+/-0.000 χ^2/NDF : 275286776281893

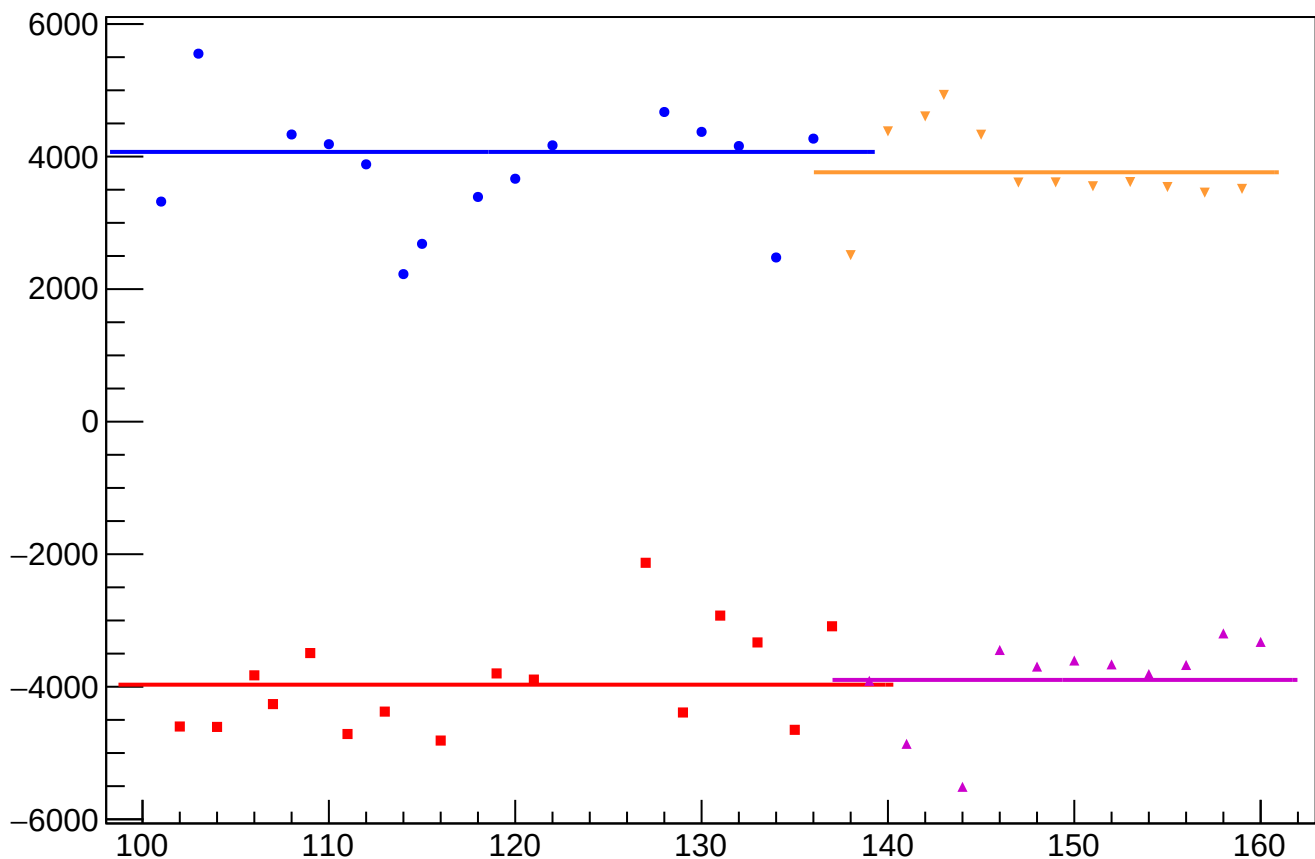
Right: 30.953+/-0.000 χ^2/NDF : 1595991371539270

In: -298.283+/-0.000 χ^2/NDF : 2246669587664541

Out: 213.036+/-0.000 χ^2/NDF : 1914309529043662

All: -47.257+/-0.000 χ^2/NDF : 436288028349

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

Left Out: 3763.117+/-0.000

χ^2/NDF : 328830410494285997490635269622747627520.0/11

Right Out: -3968.723+/-0.000

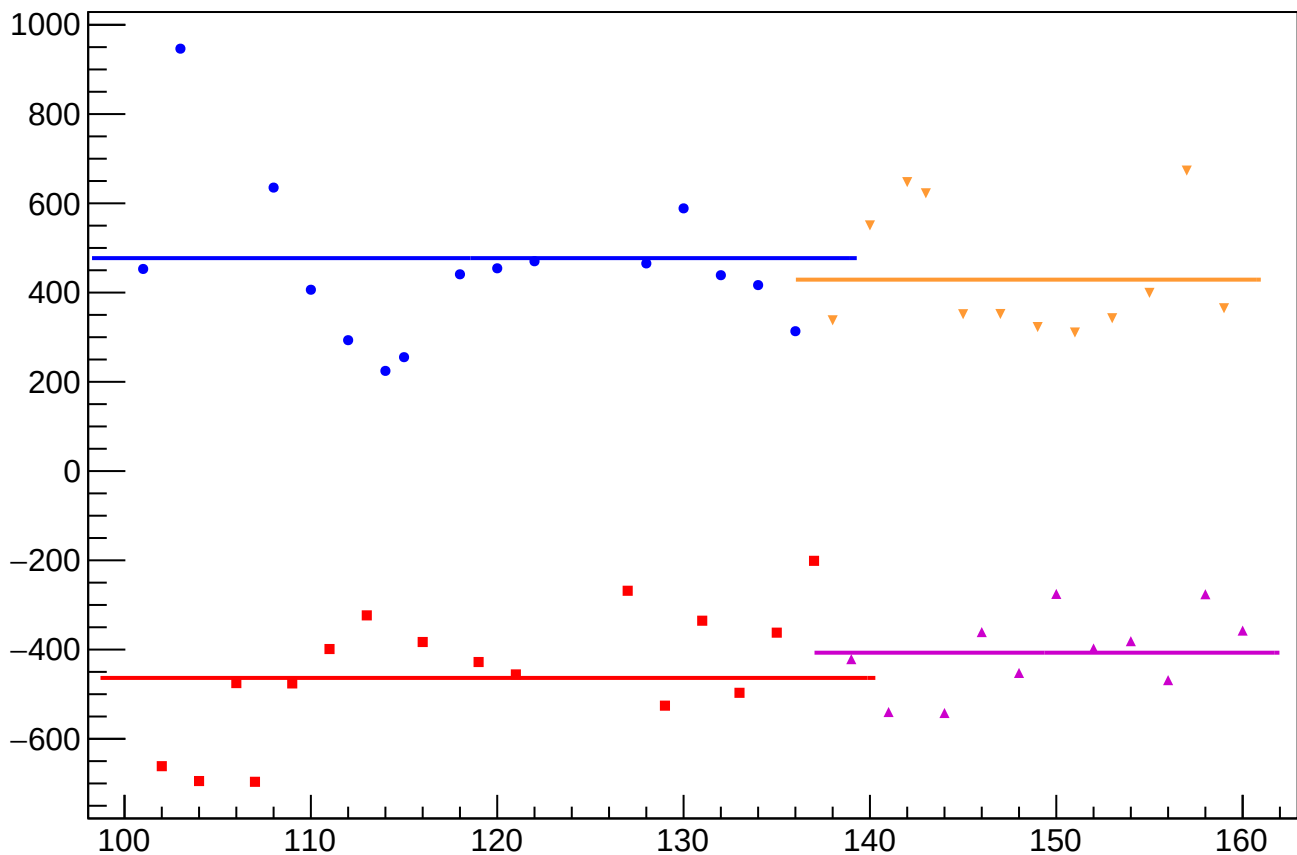
χ^2/NDF : 359955880326194784467353369492594884608.0/15

Left In: -3896.757+/-0.000

χ^2/NDF : 412530714584693730225130204014353317888.0/10

All: -49.175+/-0.000 χ^2/NDF : 497120475909

dit_usr_coil4_err_mean vs Slug, Sign Corrected



Right In: 477.186+/-0.000 χ^2/NDF : 20455719931758379978892605184974782464.0/14

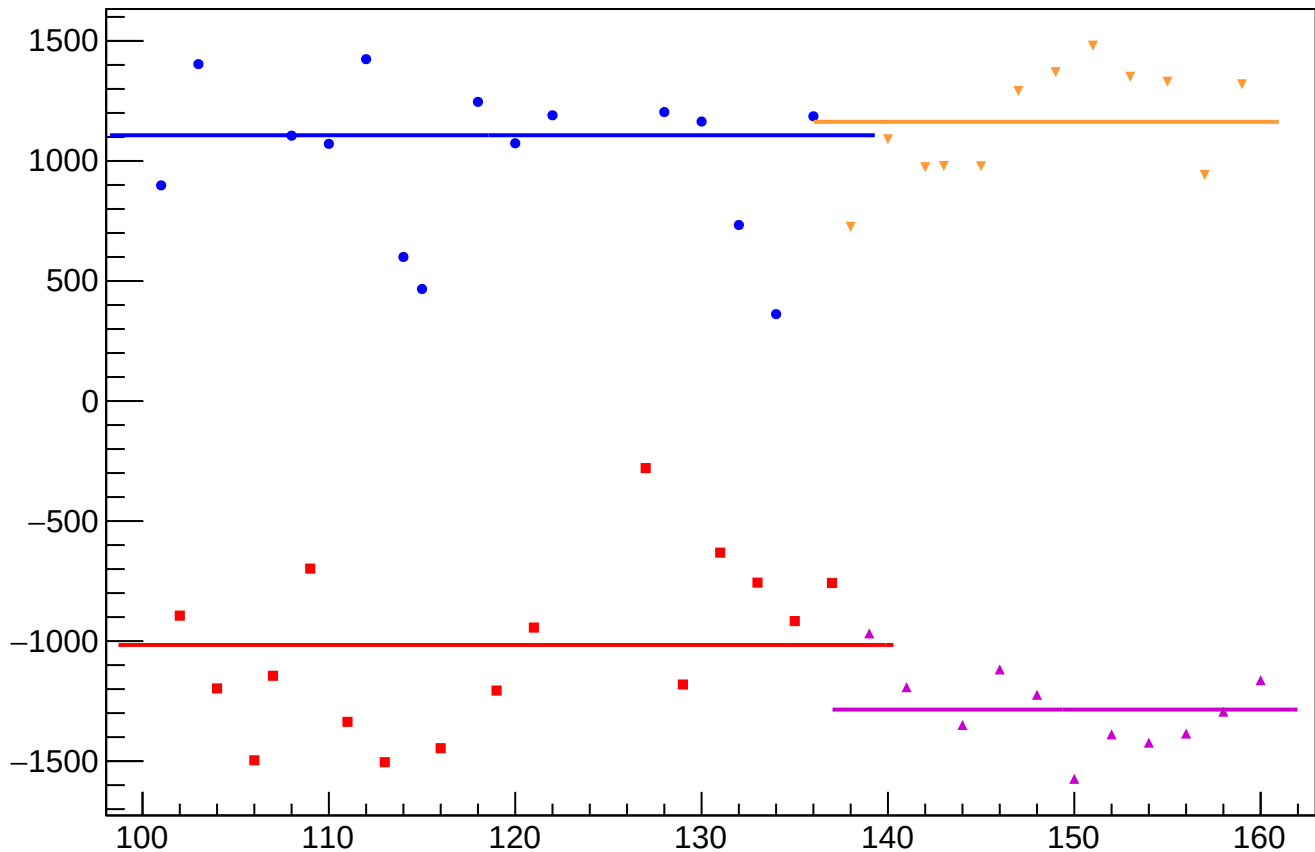
Left Out: 428.977+/-0.000 χ^2/NDF : 15293827786065679931988484454692683776.0/11

Right Out: -463.513+/-0.000 χ^2/NDF : 12556777931069903370031832388184571904.0/15

Left In: -406.990+/-0.000 χ^2/NDF : 7014219134688394471330081136711827456.0/10

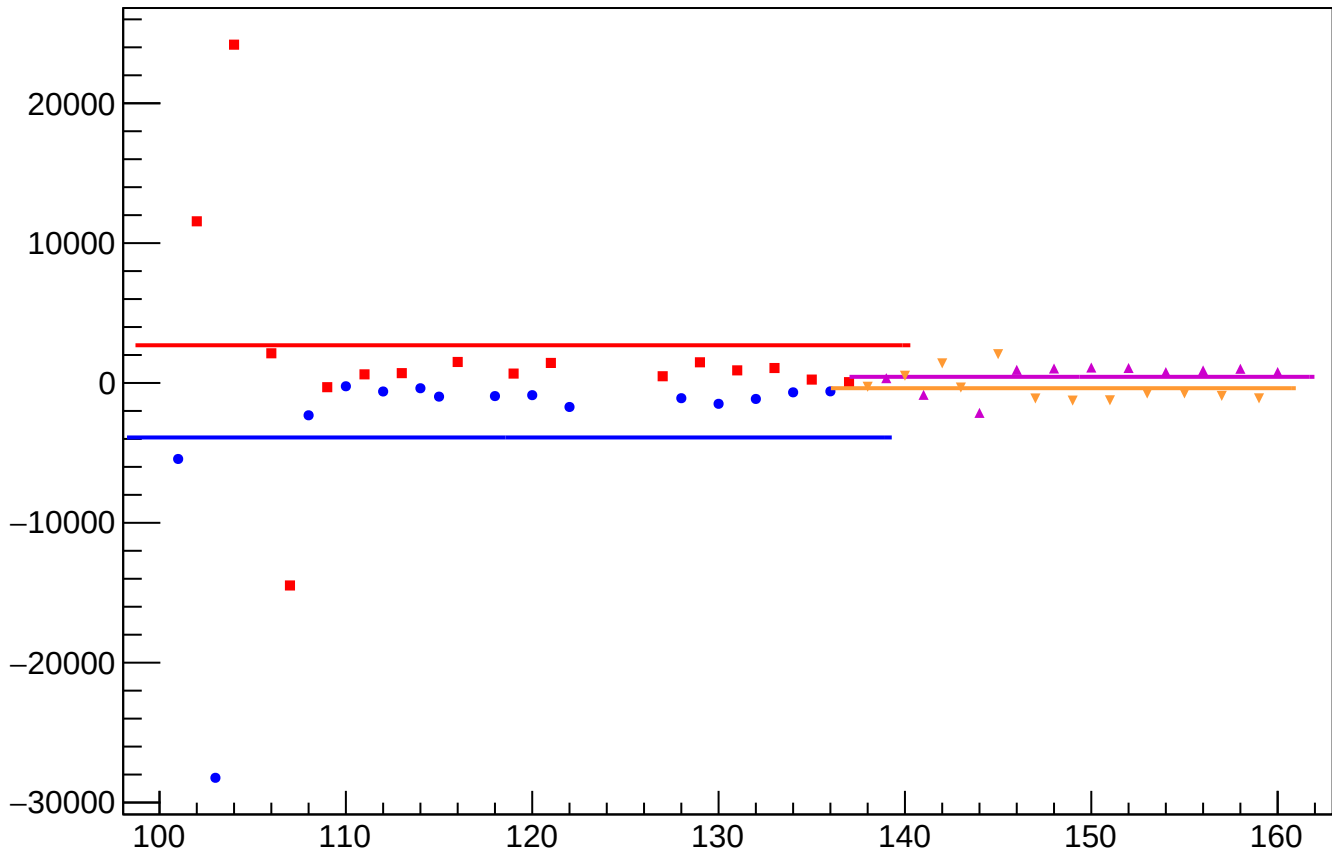
All: 5.652+/-0.000 χ^2/NDF : 66810194578541

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522+/-0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -374.202+/-0.000

χ^2/NDF : 945868175144673963133070381135496740864.0/11

Right Out: 2695.992+/-0.000

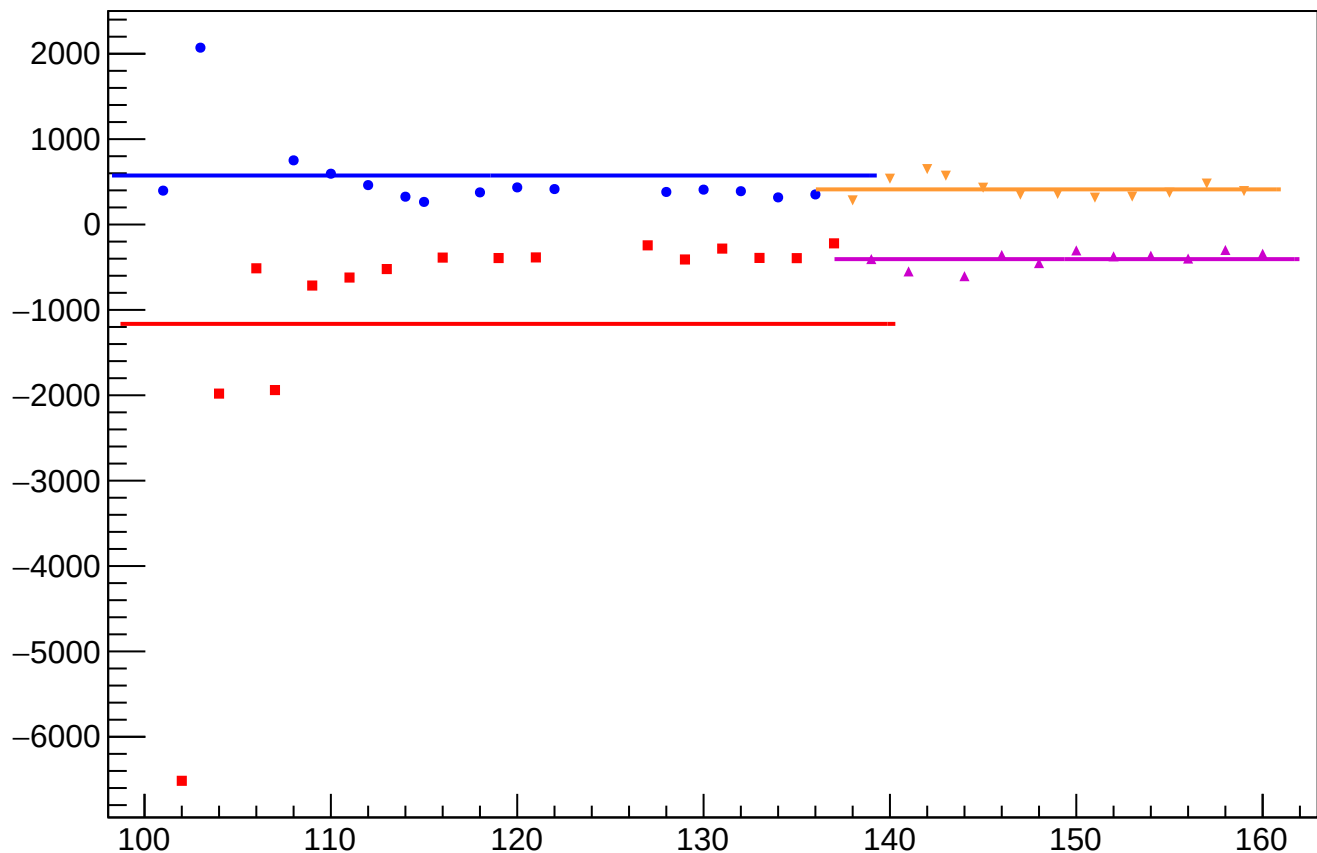
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 439.289+/-0.000

χ^2/NDF : 921031566733723872829454078558930468864.0/10

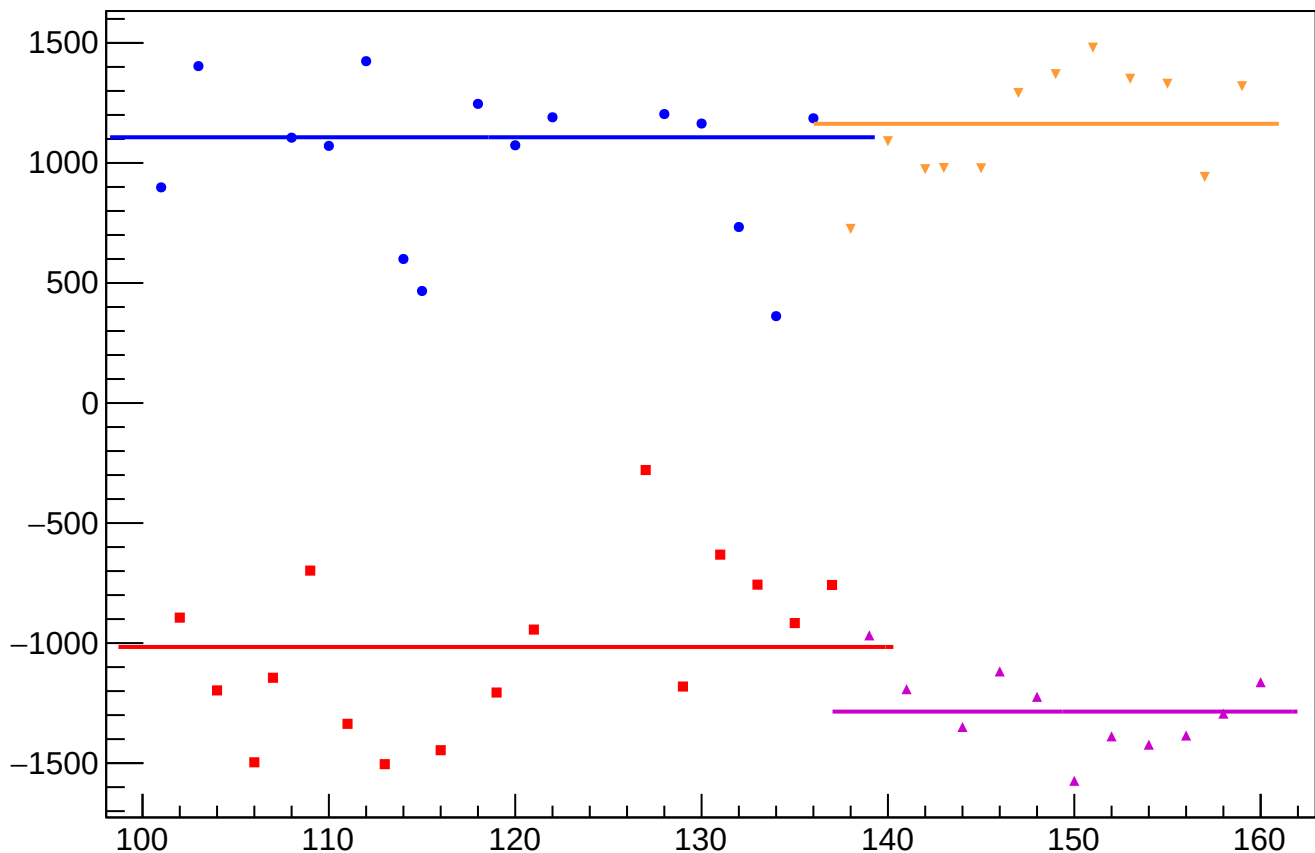
All: -211.548+/-0.000 χ^2/NDF : 97175088373

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



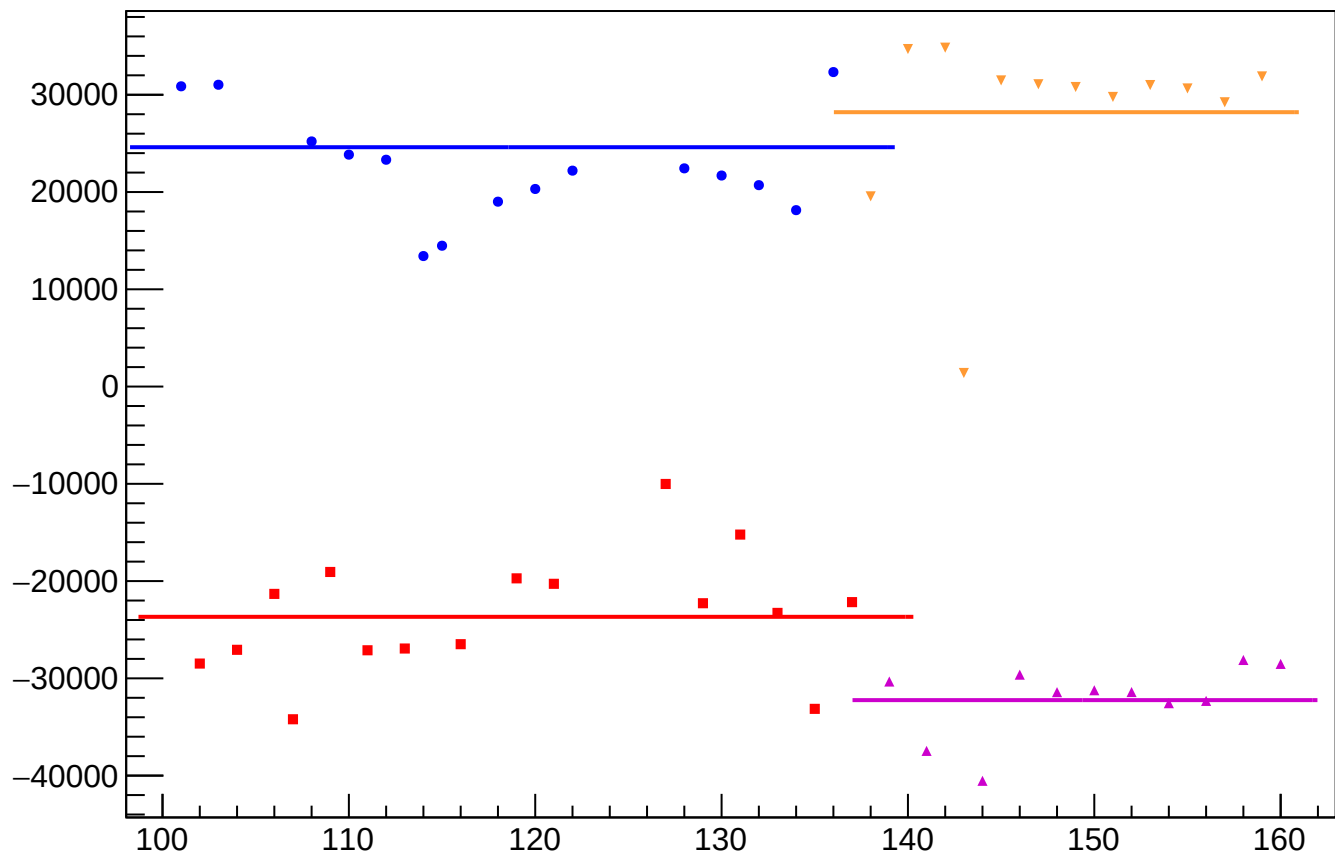
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 411.666+/-0.000 χ^2/NDF : 9310753562046919070067621560894619648.0/11
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -405.371+/-0.000 χ^2/NDF : 8096374045117906535343483577494929408.0/10
 All: -126.921+/-0.000 χ^2/NDF : 35462064871

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



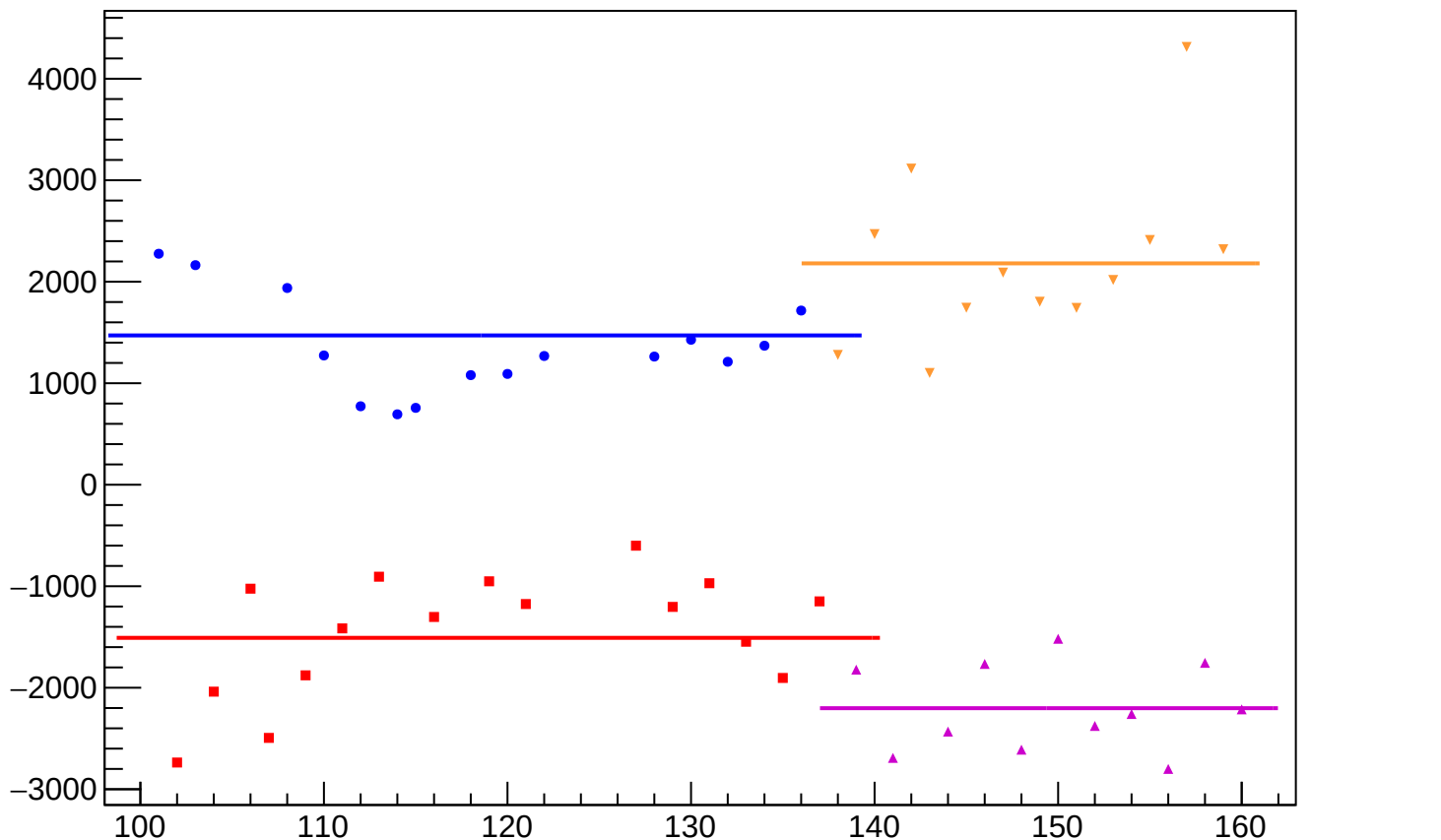
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_atl2_coil4_mean vs Slug, Sign Corrected



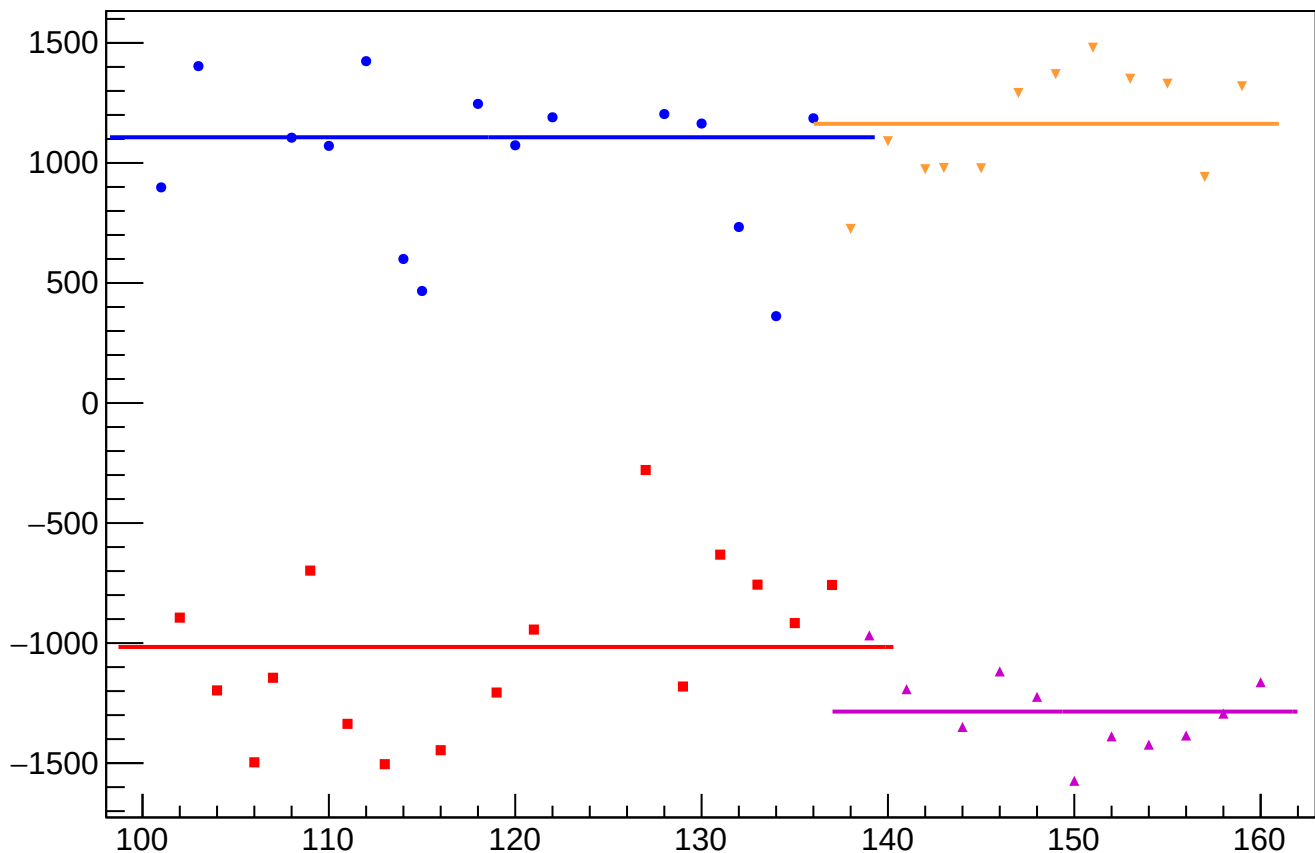
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28209.767+/-0.000 χ^2/NDF : 64052588208815786501271136154217957294080.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1184.729+/-0.000 χ^2/NDF : 2570905684

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



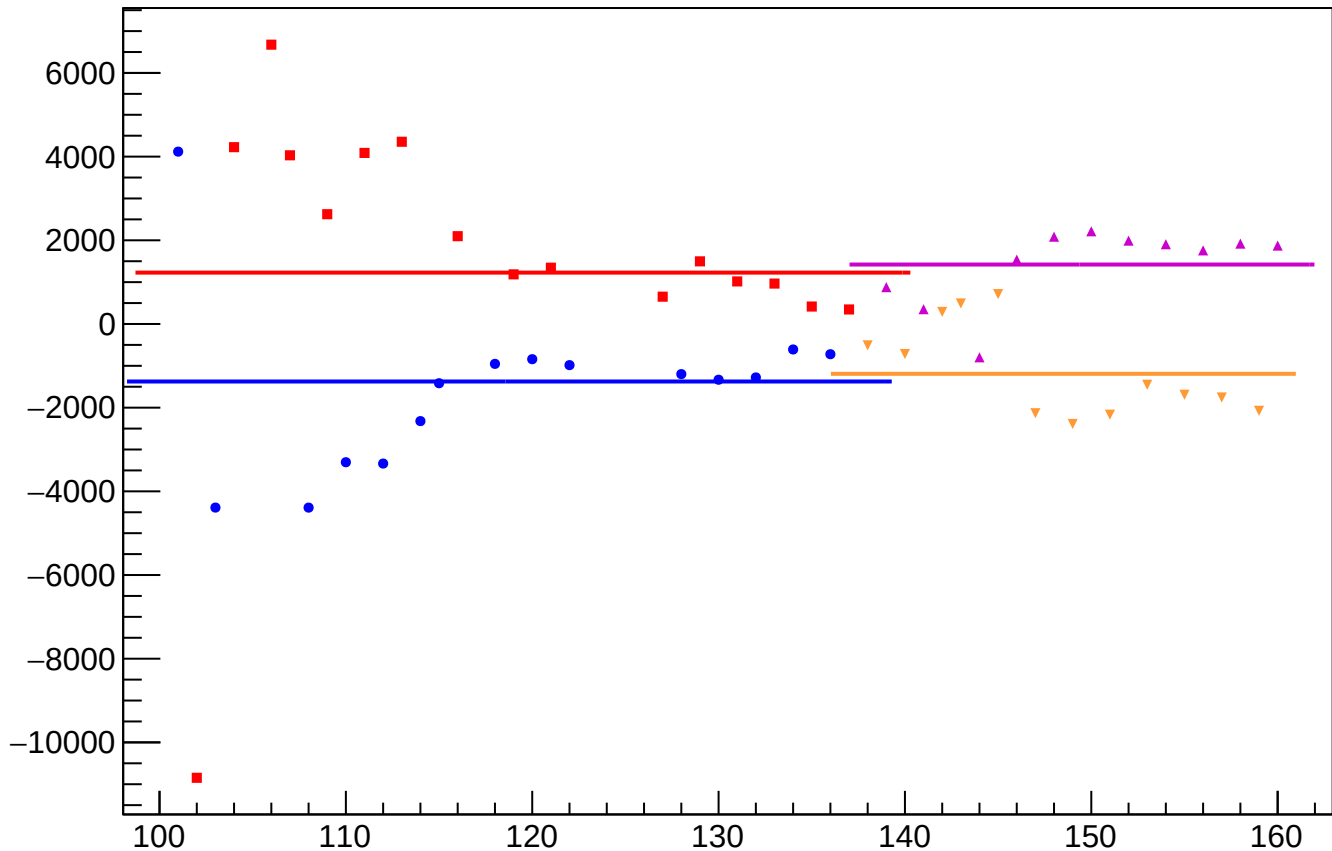
Right In: 1471.095+/-0.000 χ^2/NDF : 139174979420467841073894167956452016128.0/14
 Left Out: 2180.972+/-0.000 χ^2/NDF : 598703226121999788747151174026347413504.0/11
 Right Out: -1508.451+/-0.000 χ^2/NDF : 250085163770425050605763446985715613696.0/15
 Left In: -2201.571+/-0.000 χ^2/NDF : 156929124179690930619030229097962799104.0/10
 All: -27.145+/-0.000 χ^2/NDF : 129051743087

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
		All: -25.475+/-0.000	χ^2/NDF : 443196140049

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1191.069+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1015662132878322627077441101495867015168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 119.834+/-0.000 χ^2/NDF : 49033799943357671

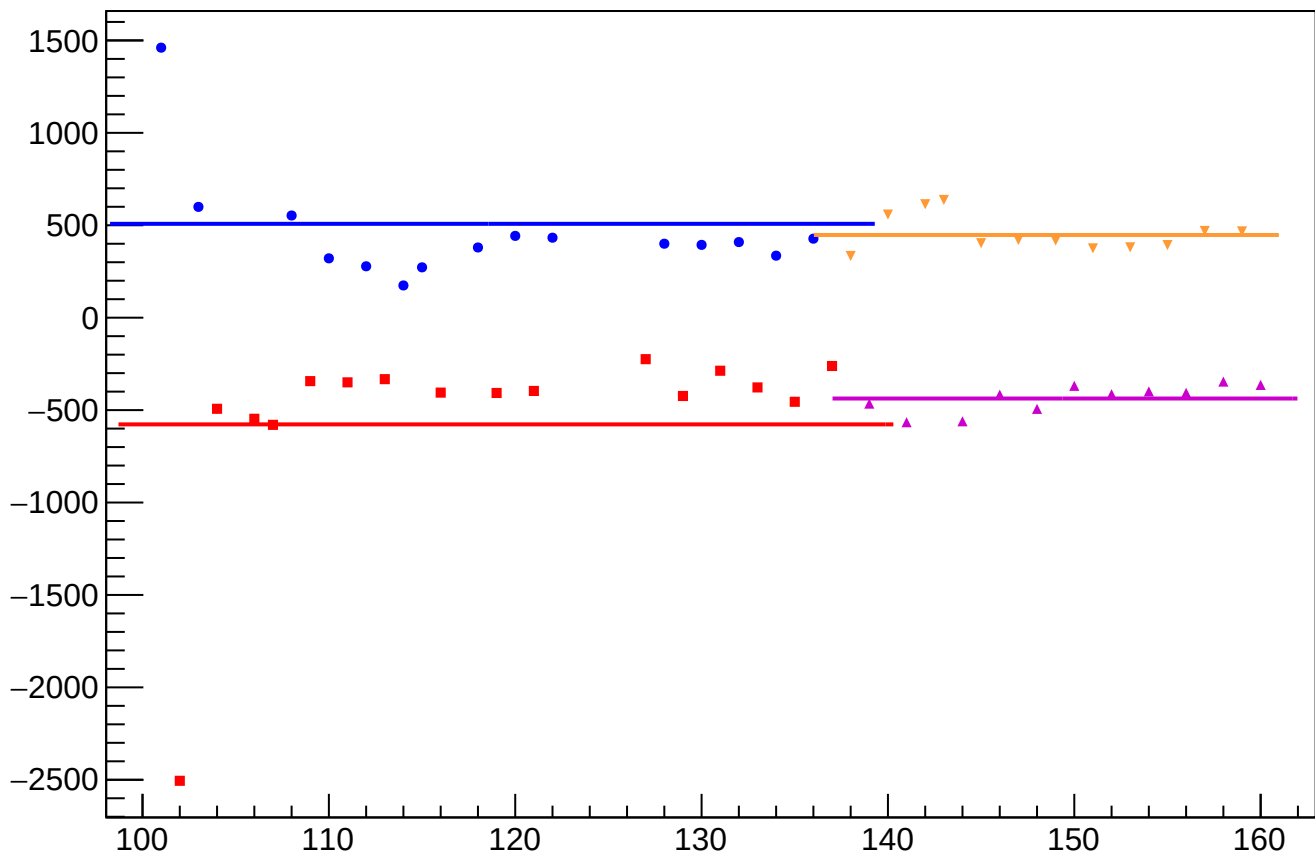
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.484+/-0.000 χ^2/NDF : 143903749815765

All: 46.739+/-0.000 χ^2/NDF : 2134277804715

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 447.436+/-0.000

χ^2/NDF : 7069072028969774638688985742751825920.0/11

Right Out: -577.250+/-0.000

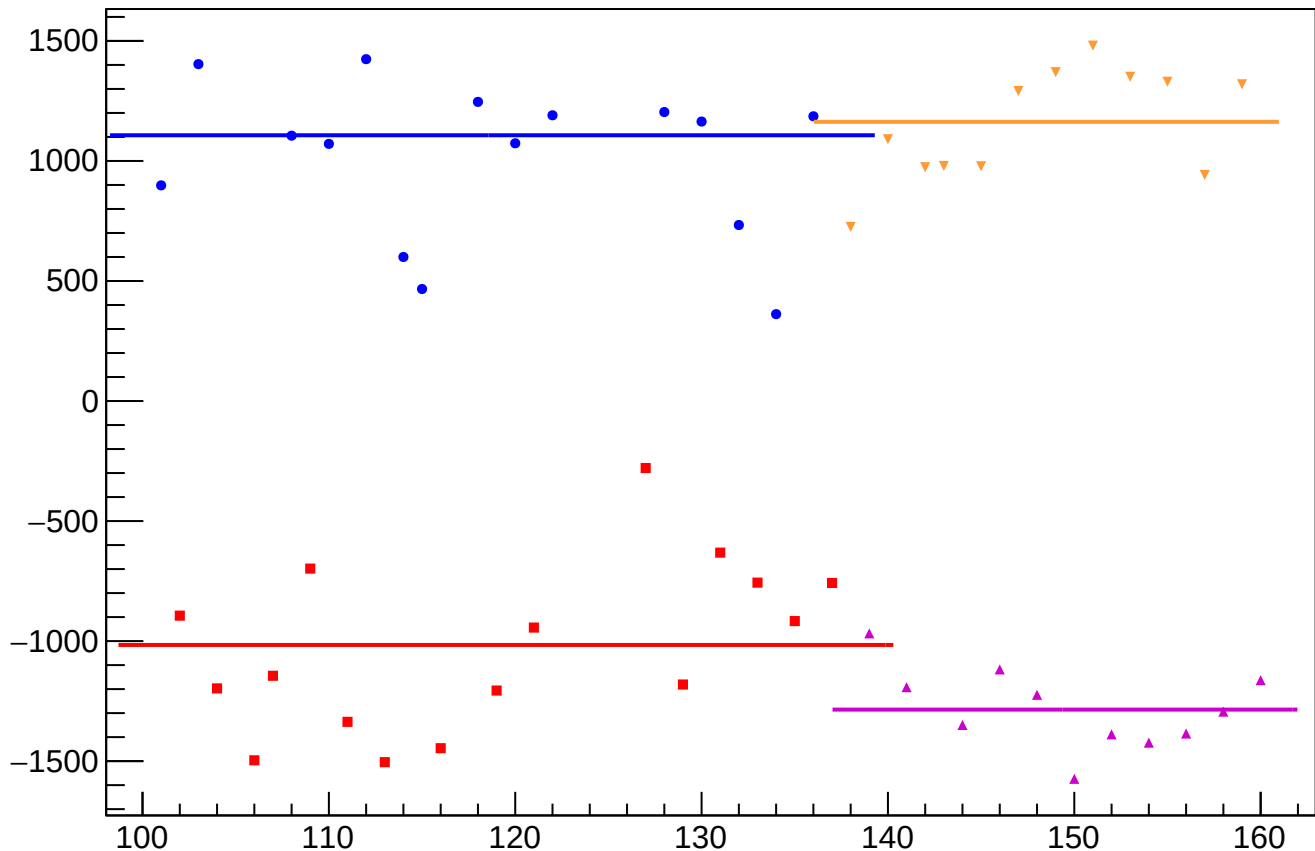
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

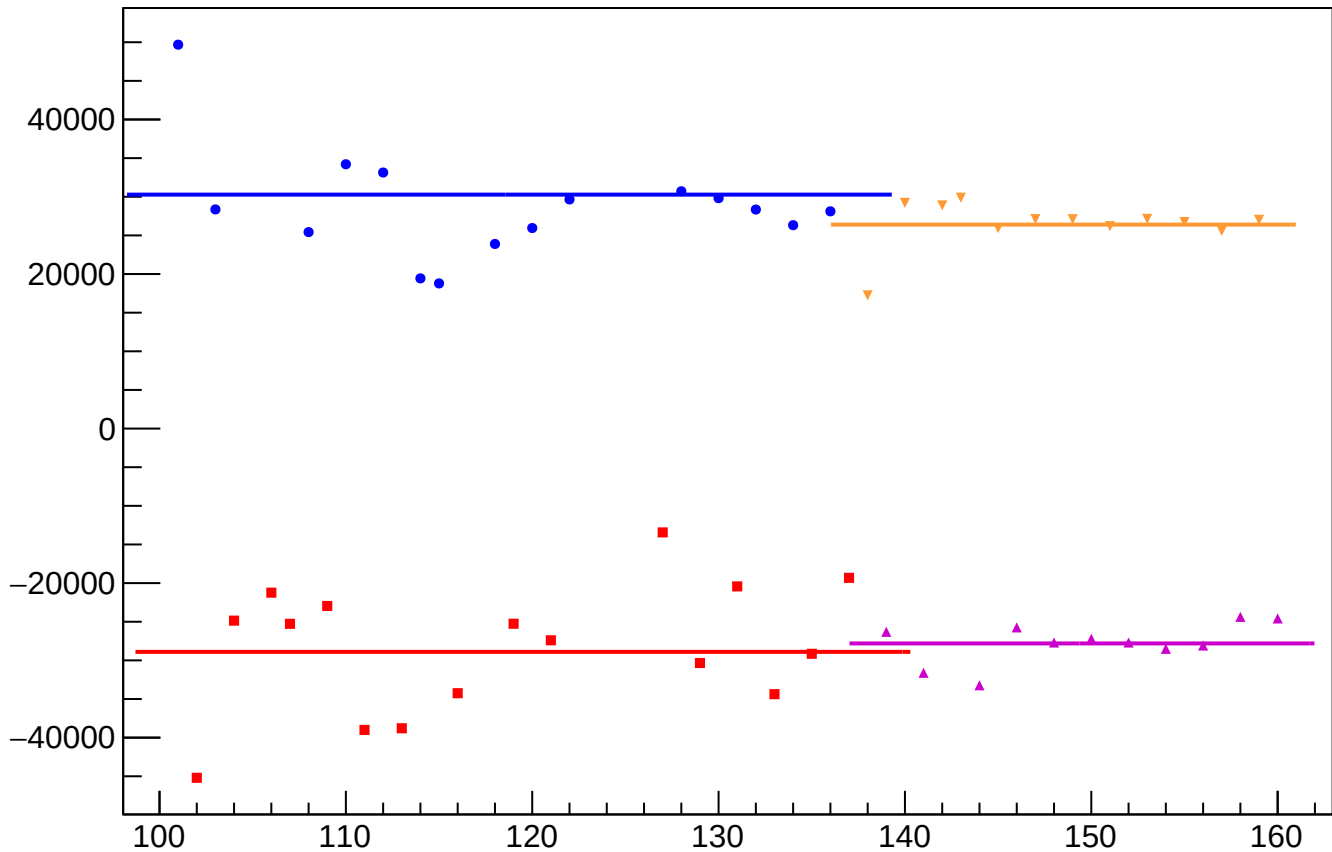
All: -15.597+/-0.000 χ^2/NDF : 106651113090

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_atr2_coil4_mean vs Slug, Sign Corrected



Right In: 30277.649+/-0.000

χ^2/NDF : 30975974641524142453090022540760519278592.0/14

Left Out: 26400.073+/-0.000

χ^2/NDF : 8523453532066542574243439899008376504320.0/11

Right Out: -28896.318+/-0.000

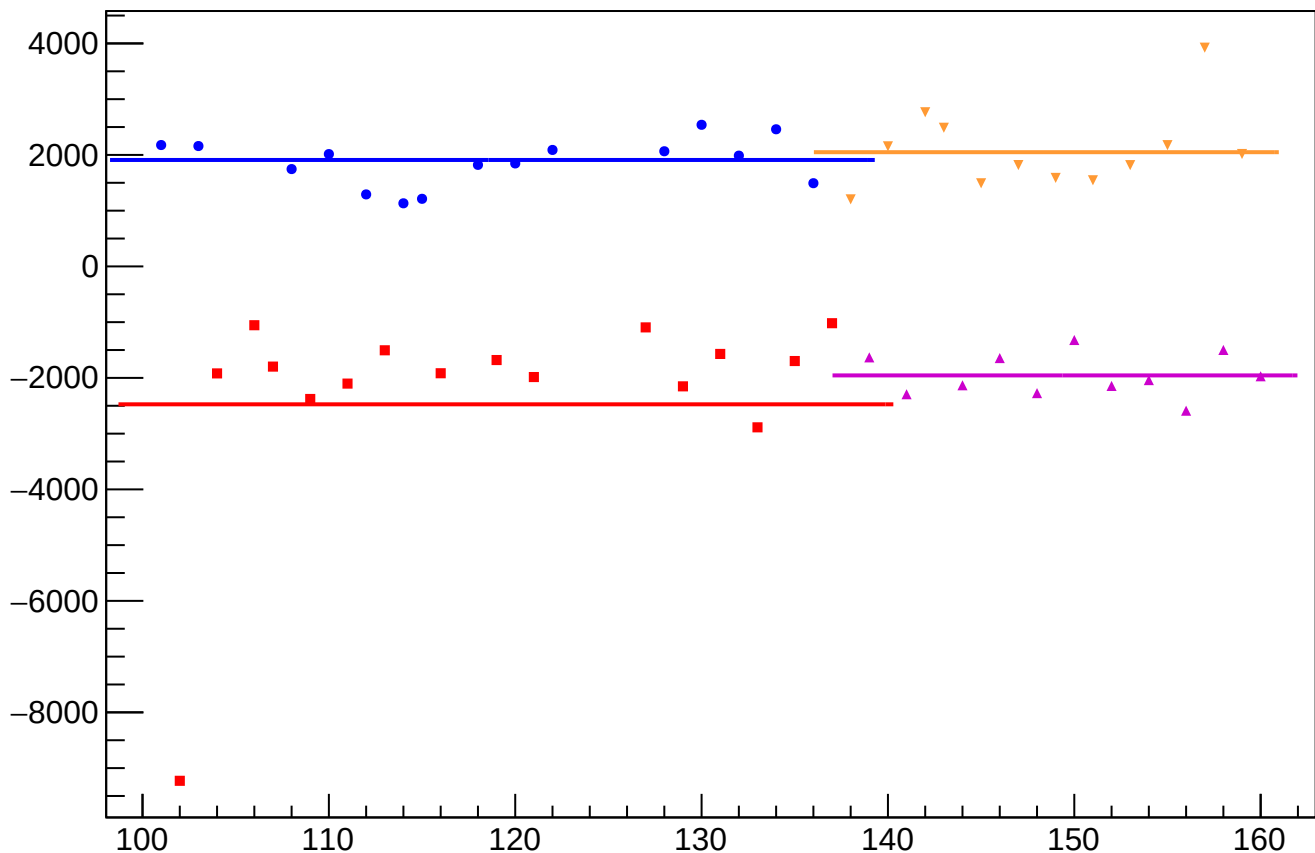
χ^2/NDF : 46969504058010359146250560228409714147328.0/15

Left In: -27807.237+/-0.000

χ^2/NDF : 6193058620219899678835139815803642183680.0/10

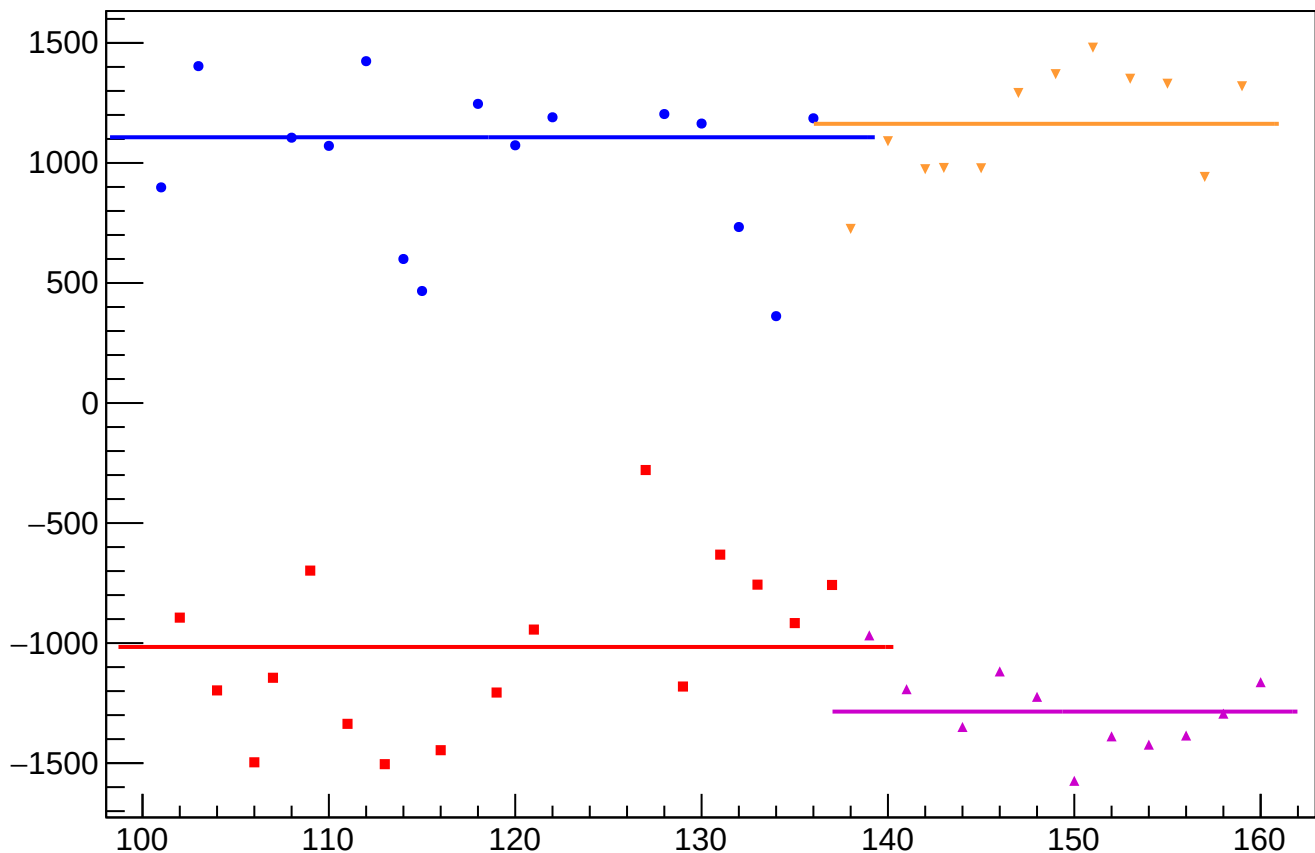
Left: -806.637+/-0.000 χ^2/NDF : 136711048094445
 Right: 285.980+/-0.000 χ^2/NDF : 122974265906167
 In: -3842.144+/-0.000 χ^2/NDF : 132338595511608
 Out: 3115.545+/-0.000 χ^2/NDF : 123617666478077
 All: -351.178+/-0.000 χ^2/NDF : 25977693003

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



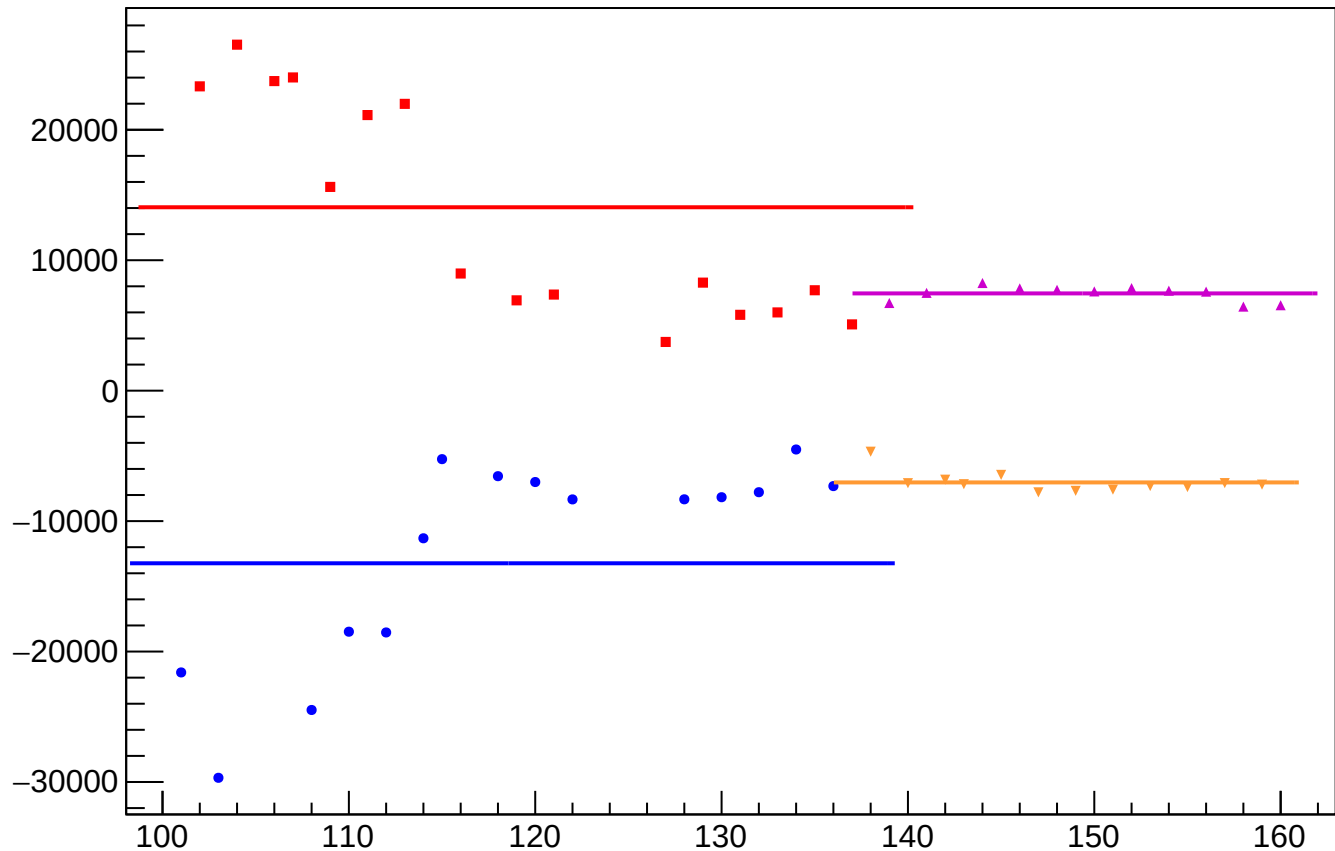
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2049.063+/-0.000 χ^2/NDF : 443721100999295515672674036348509749248.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.266+/-0.000 χ^2/NDF : 17487329271

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



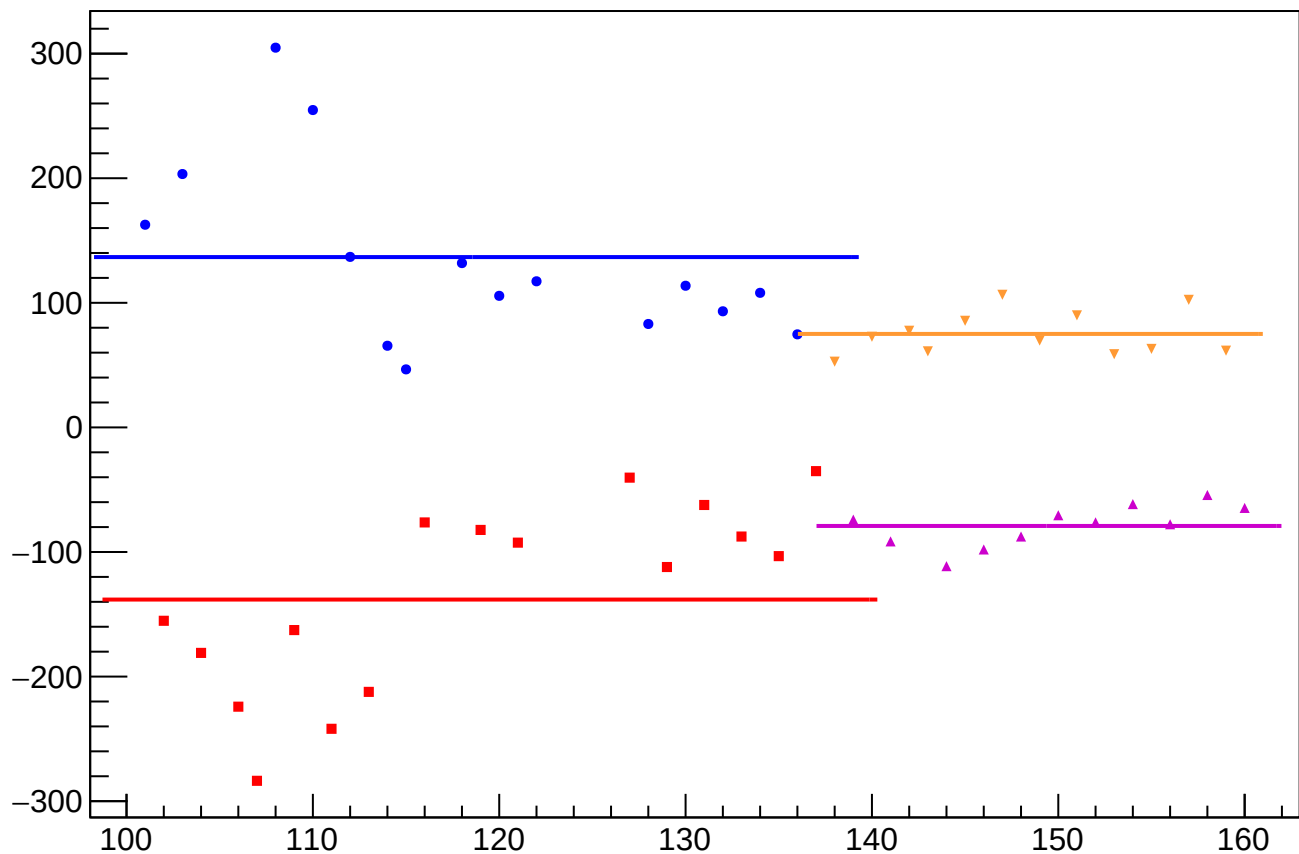
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.811+/-0.000	χ^2/NDF : 2828784455009896
Left Out: 1163.051+/-0.000	χ^2/NDF : 45744768397049445452124121981603807232.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.439+/-0.000	χ^2/NDF : 1951966106757194
	All: -25.475+/-0.000	χ^2/NDF : 443196140049	

dit_sam1_coil4_mean vs Slug, Sign Corrected



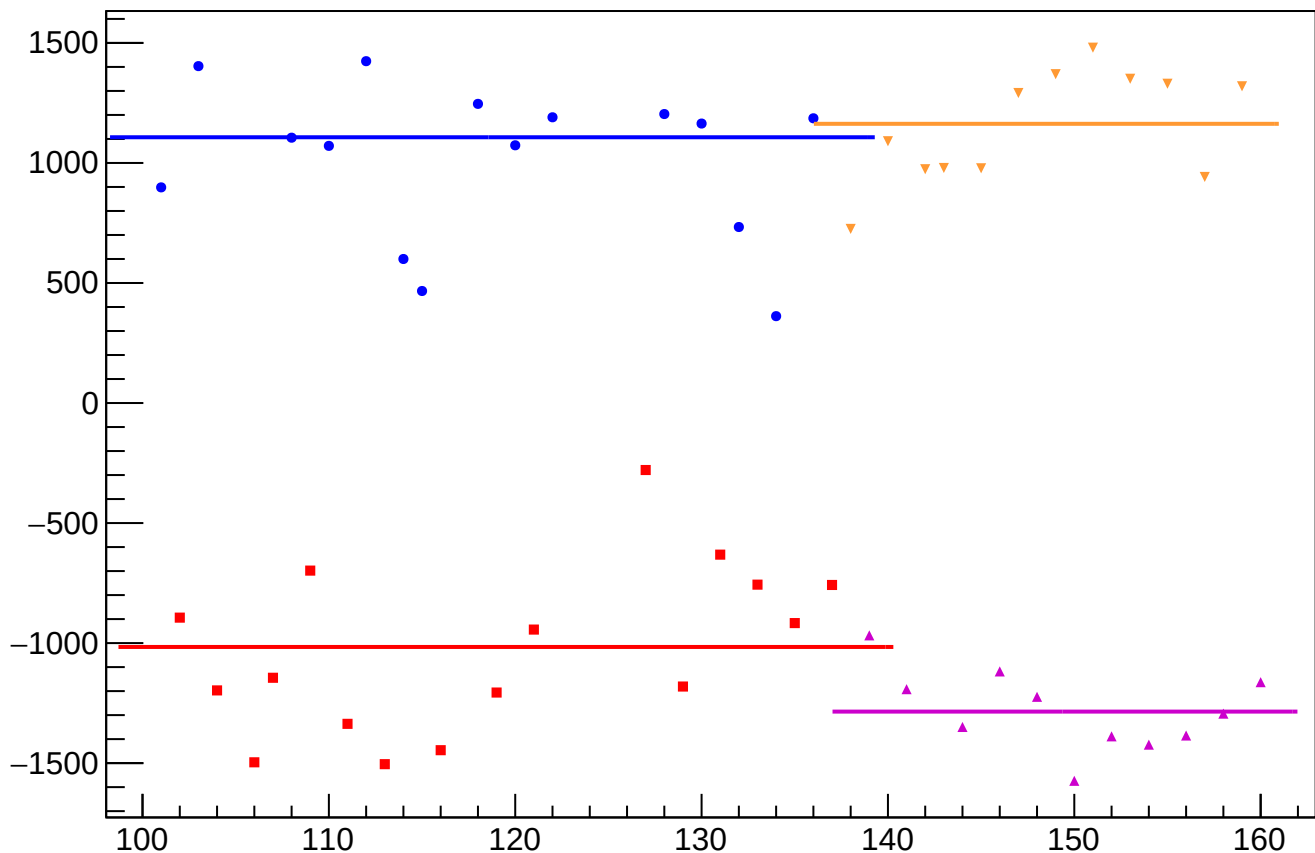
Left: 238.400 ± 0.000 $\chi^2/\text{NDF}: 9751063726876122$
 Right: 600.026 ± 0.000 $\chi^2/\text{NDF}: 330784909470012$
 In: -1080.099 ± 0.000 $\chi^2/\text{NDF}: 204729341611961$
 Out: 1848.185 ± 0.000 $\chi^2/\text{NDF}: 216898943456081$
 All: 389.145 ± 0.000 $\chi^2/\text{NDF}: 428395904948$

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



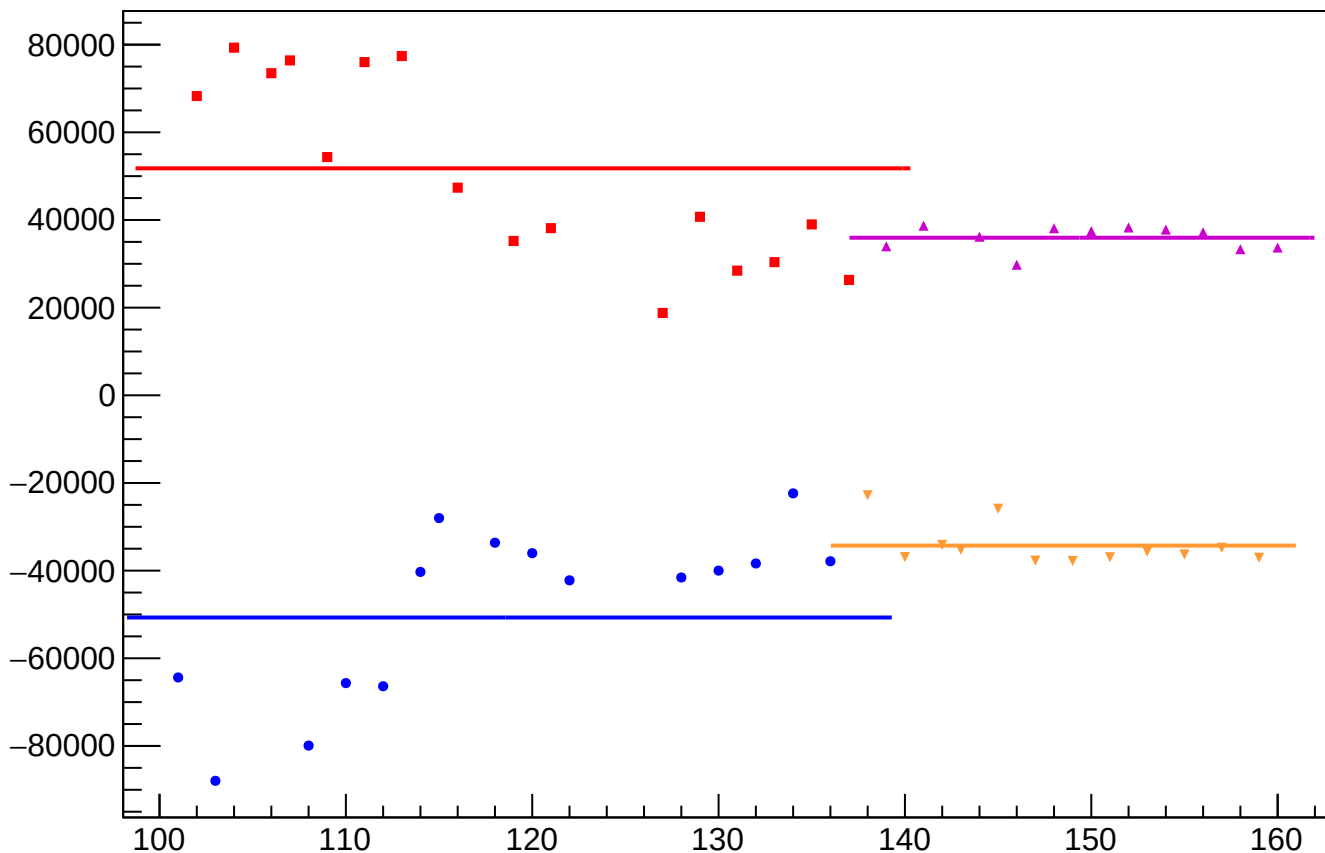
Left: -2.324+/-0.000 χ^2/NDF : 11443199732666007
 Right In: 136.711+/-0.000 χ^2/NDF : 2687065030885227126291764267456659456.0/14
 Right: -2.614+/-0.000 χ^2/NDF : 3077400704218916
 Left Out: 75.033+/-0.000 χ^2/NDF : 265697800274954088415608872374370304.0/11
 In: 9.943+/-0.000 χ^2/NDF : 2068596791154507163
 Right Out: -138.179+/-0.000 χ^2/NDF : 3230883352878636334641613561898467328.0/15
 Out: -14.747+/-0.000 χ^2/NDF : 2105017131022342
 Left In: -79.096+/-0.000 χ^2/NDF : 243975342218114768326270780809674752.0/10
 All: -2.445+/-0.000 χ^2/NDF : 4221727121021

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -50695.424+/-0.000

Left Out: -34292.100+/-0.000

Right Out: 51783.912+/-0.000

Left In: 35949.660+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 20273129403990820789866105908116664090624.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 6535777806152232441815832130596699635712.0/10

Left: 962.319+/-0.000 χ^2/NDF : 2297605791567623

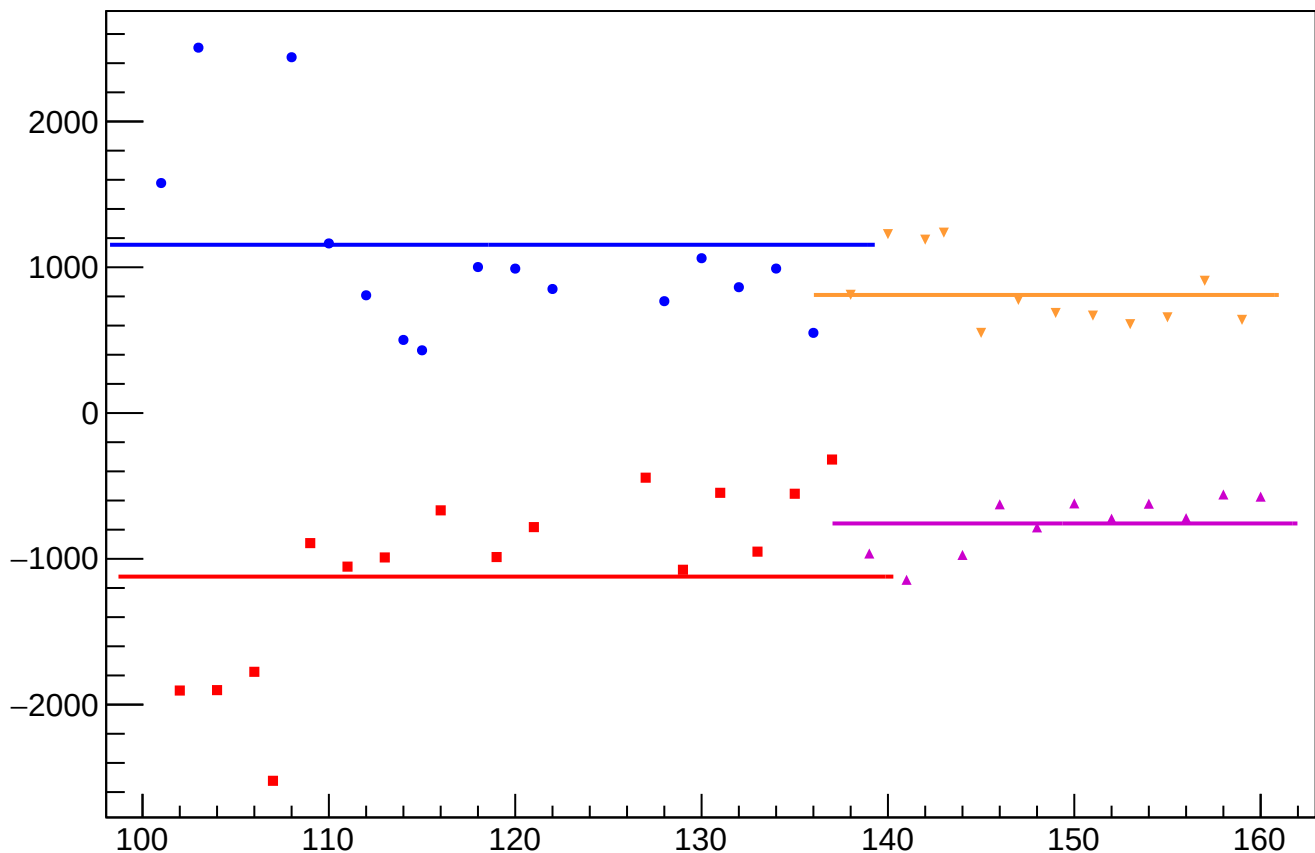
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1953.291+/-0.000 χ^2/NDF : 316297321958790

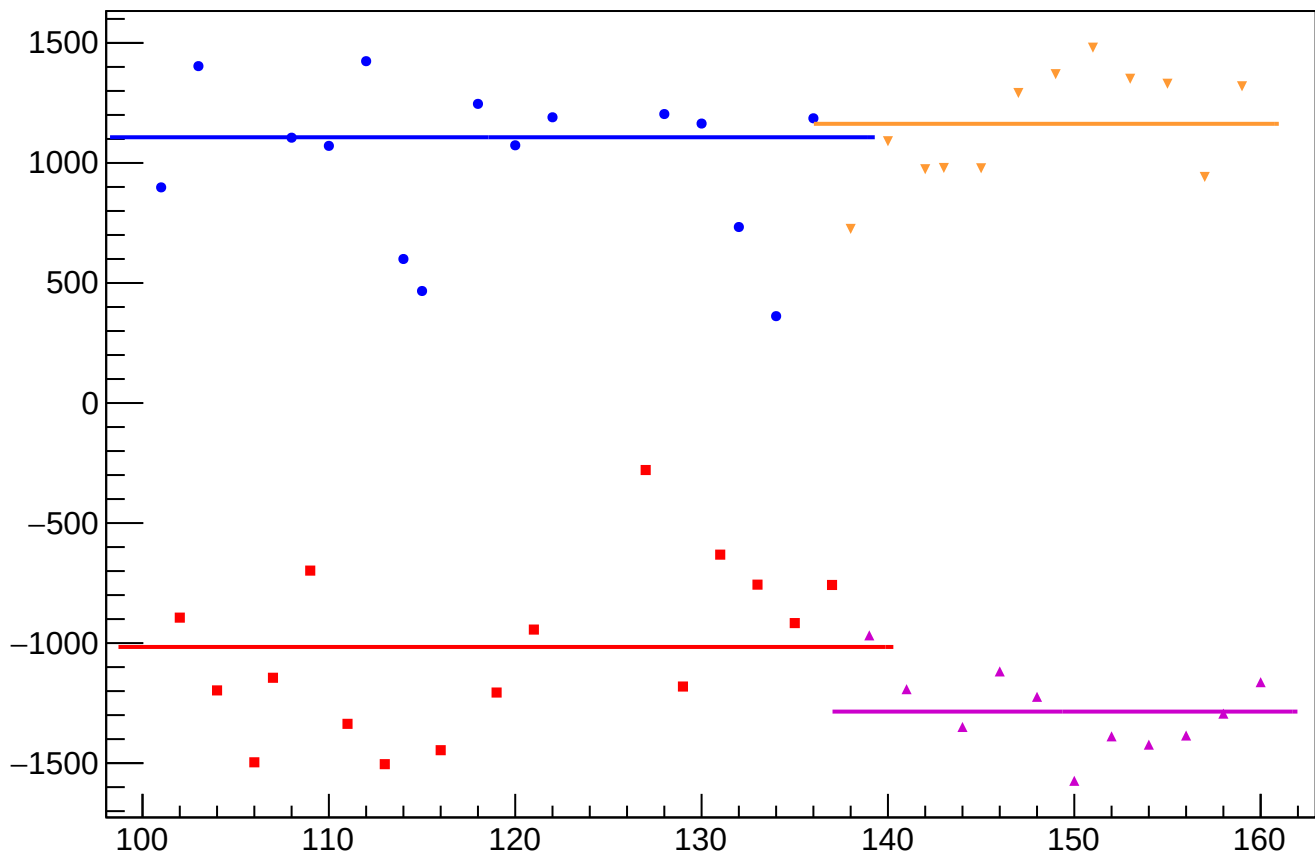
All: 1080.193+/-0.000 χ^2/NDF : 62605866913

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



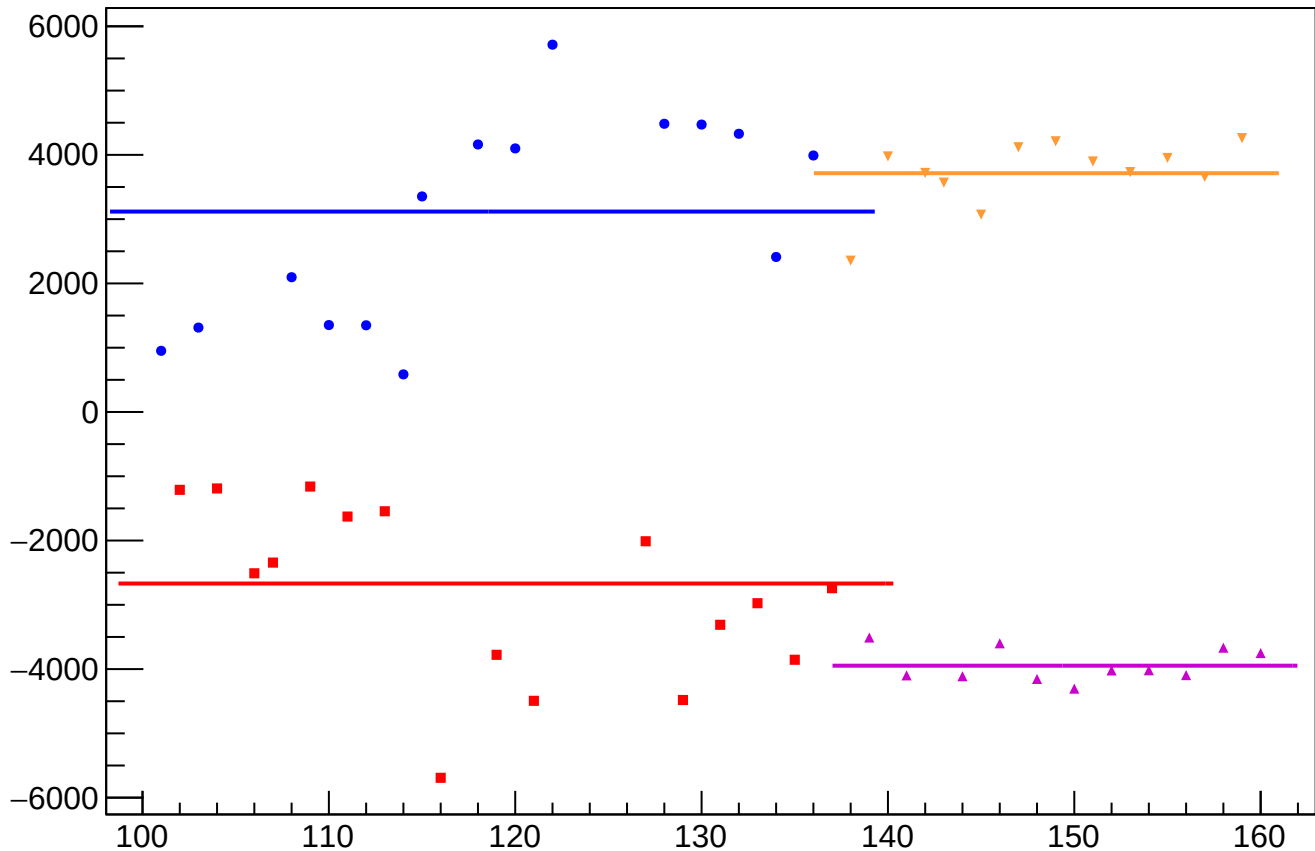
Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Left: 23.400+/-0.000 χ^2/NDF : 12117231101233370
 Right: 0.631+/-0.000 χ^2/NDF : 21797856278979973
 Left Out: 810.109+/-0.000 χ^2/NDF : 49902289627136601603211934324001603584.0/11
 In: 31.386+/-0.000 χ^2/NDF : 167352264529272497
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Out: -3.447+/-0.000 χ^2/NDF : 17174263526511374
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 All: 13.909+/-0.000 χ^2/NDF : 3391906593651

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914+/-0.000

χ^2/NDF : 1552738593335565674554918493159210090496.0/14

Left Out: 3714.902+/-0.000

χ^2/NDF : 249652403492940962475363372882127224832.0/11

Right Out: -2668.794+/-0.000

χ^2/NDF : 1136406286131098596000054422131257114624.0/15

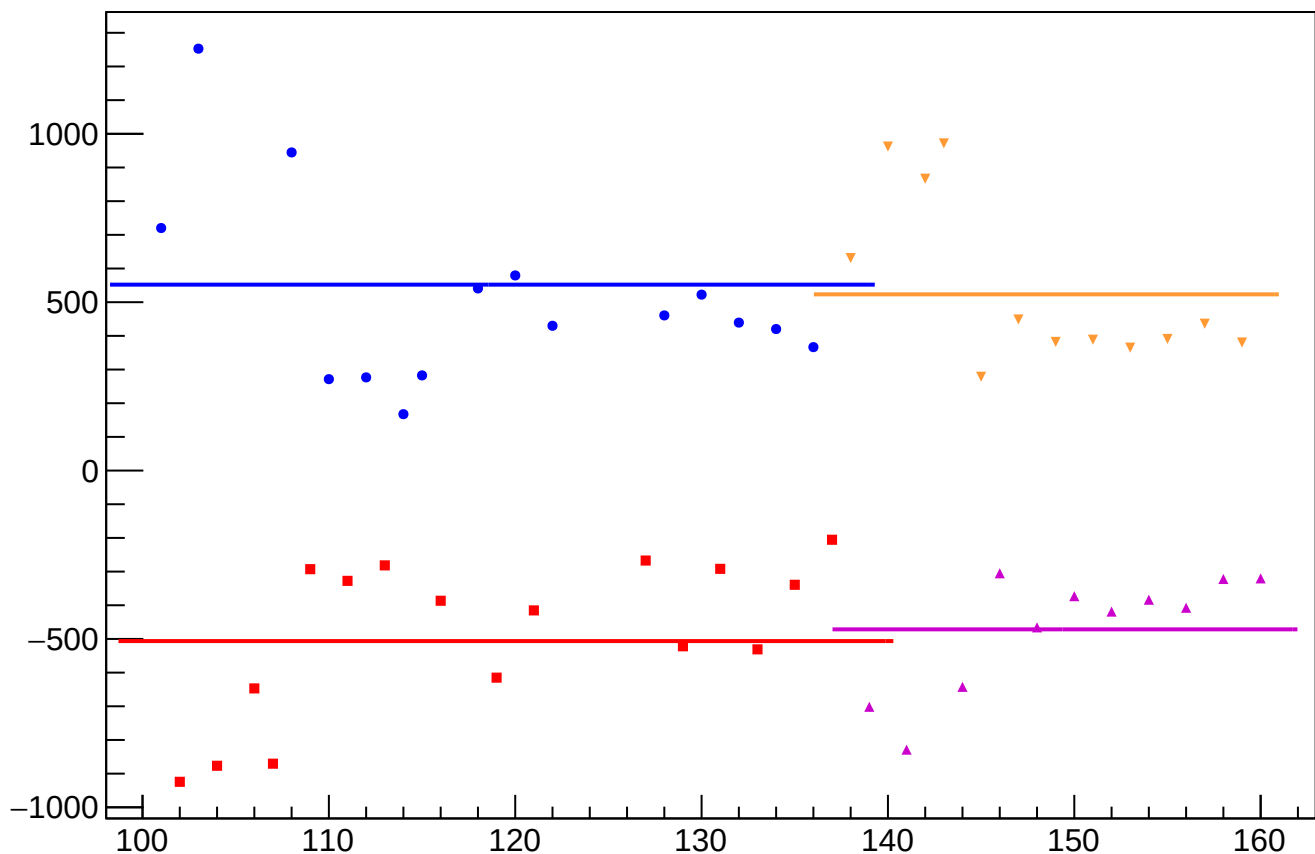
Left In: -3947.046+/-0.000

χ^2/NDF : 56963661018859057070812095134472077312.0/10

All: 0.930+/-0.000

χ^2/NDF : 41105827728320

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108 ± 0.000 $\chi^2/\text{NDF}: 50739041741159119848523988236001869824.0/14$

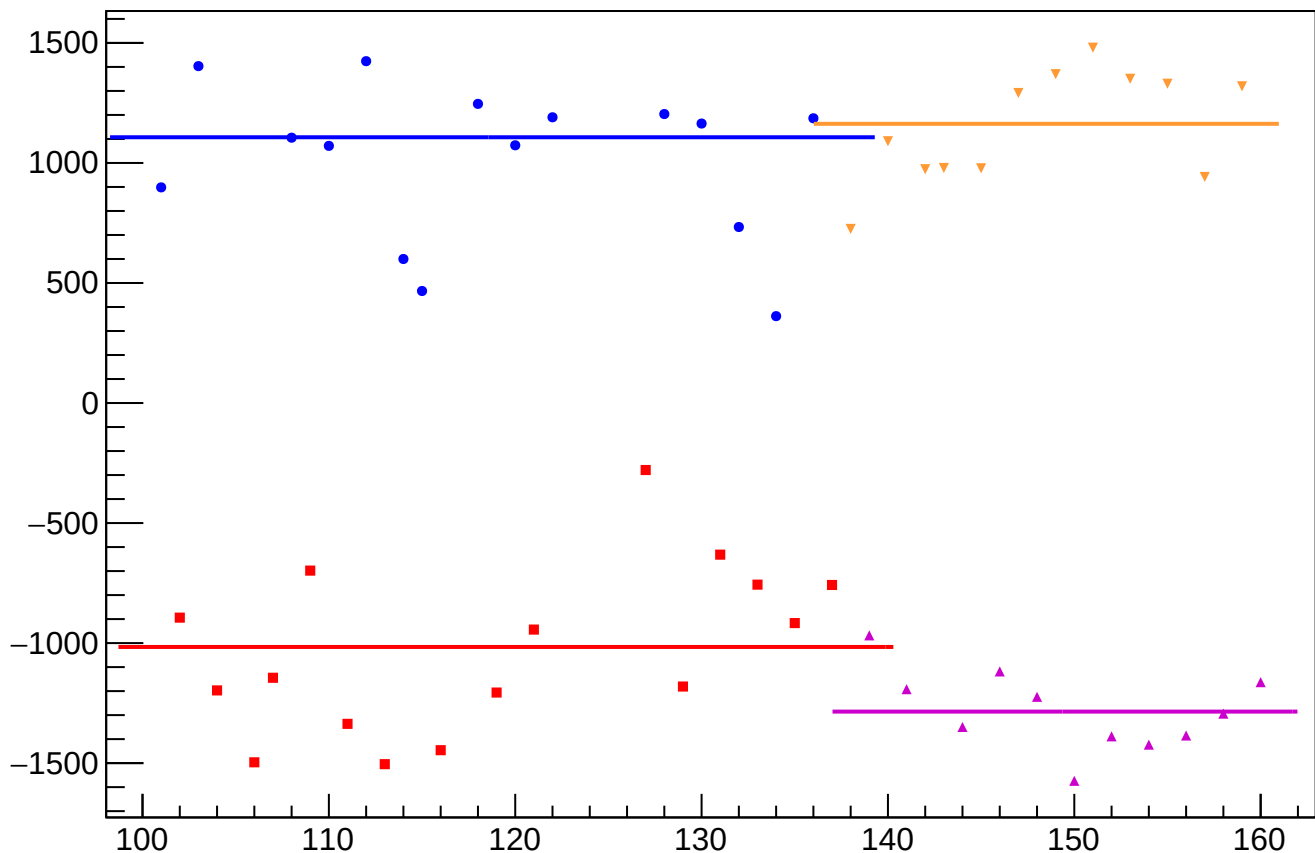
Left Out: 523.267 ± 0.000 $\chi^2/\text{NDF}: 49702866244992097410386834059494948864.0/11$

Right Out: -506.345 ± 0.000 $\chi^2/\text{NDF}: 37181653297314883501659131806010572800.0/15$

Left In: -471.540 ± 0.000 $\chi^2/\text{NDF}: 25680884477827715914944205366363160576.0/10$

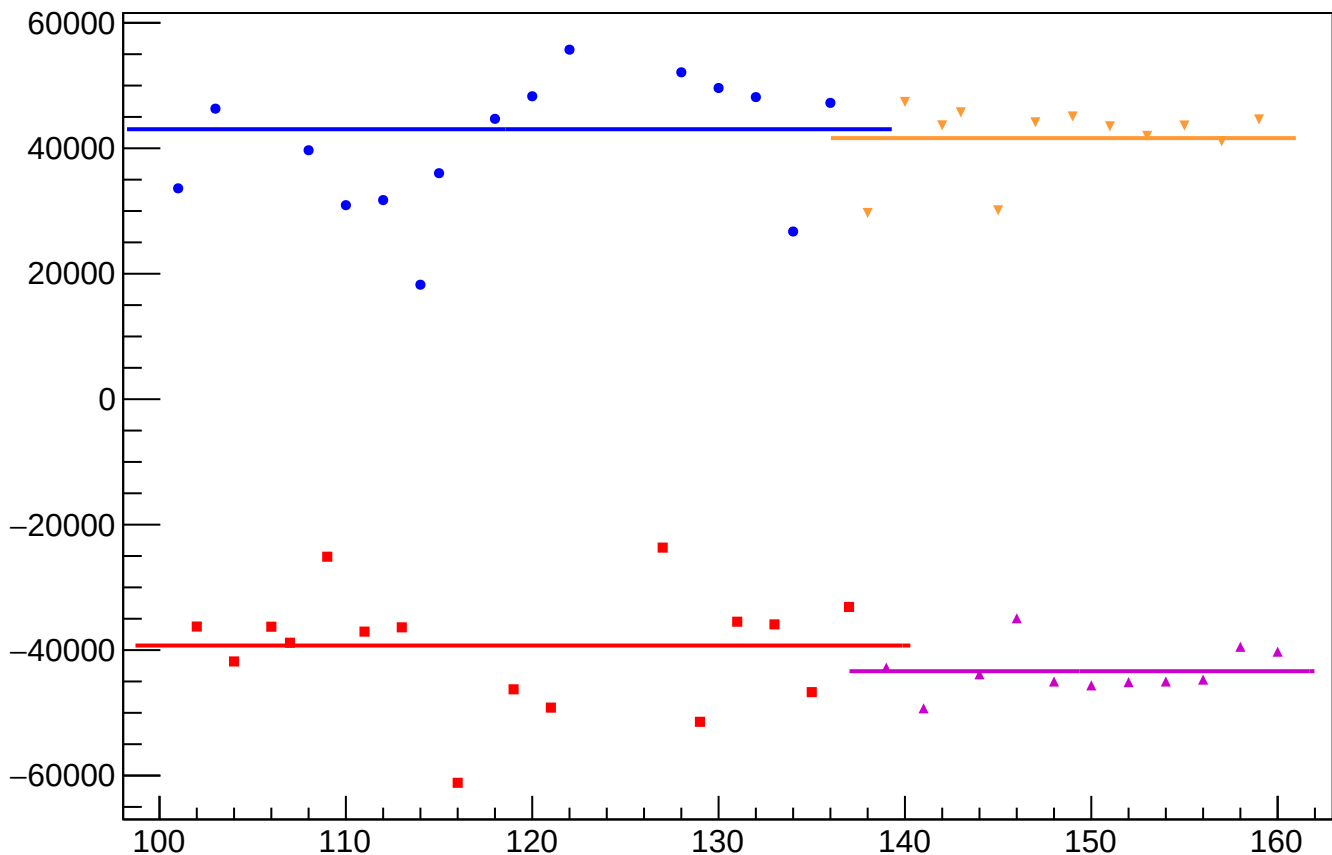
All: 20.500 ± 0.000 $\chi^2/\text{NDF}: 9873505575210$

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051 $\pm$ 0.000 χ^2 /NDF: 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -25.475 $\pm$ 0.000 χ^2 /NDF: 443196140049

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43039.927+/-0.000

Left Out: 41622.622+/-0.000

Right Out: -39269.627+/-0.000

Left In: -43364.892+/-0.000

χ^2/NDF : 48397052922561722652666786407552179503104.0/14

χ^2/NDF : 28728414397722339003377552504288532496384.0/11

χ^2/NDF : 51873036517757666237545716605051585167360.0/15

χ^2/NDF : 12209695723681592241000188414954802511872.0/10

Left: -1032.708+/-0.000 χ^2/NDF : 33652194023824

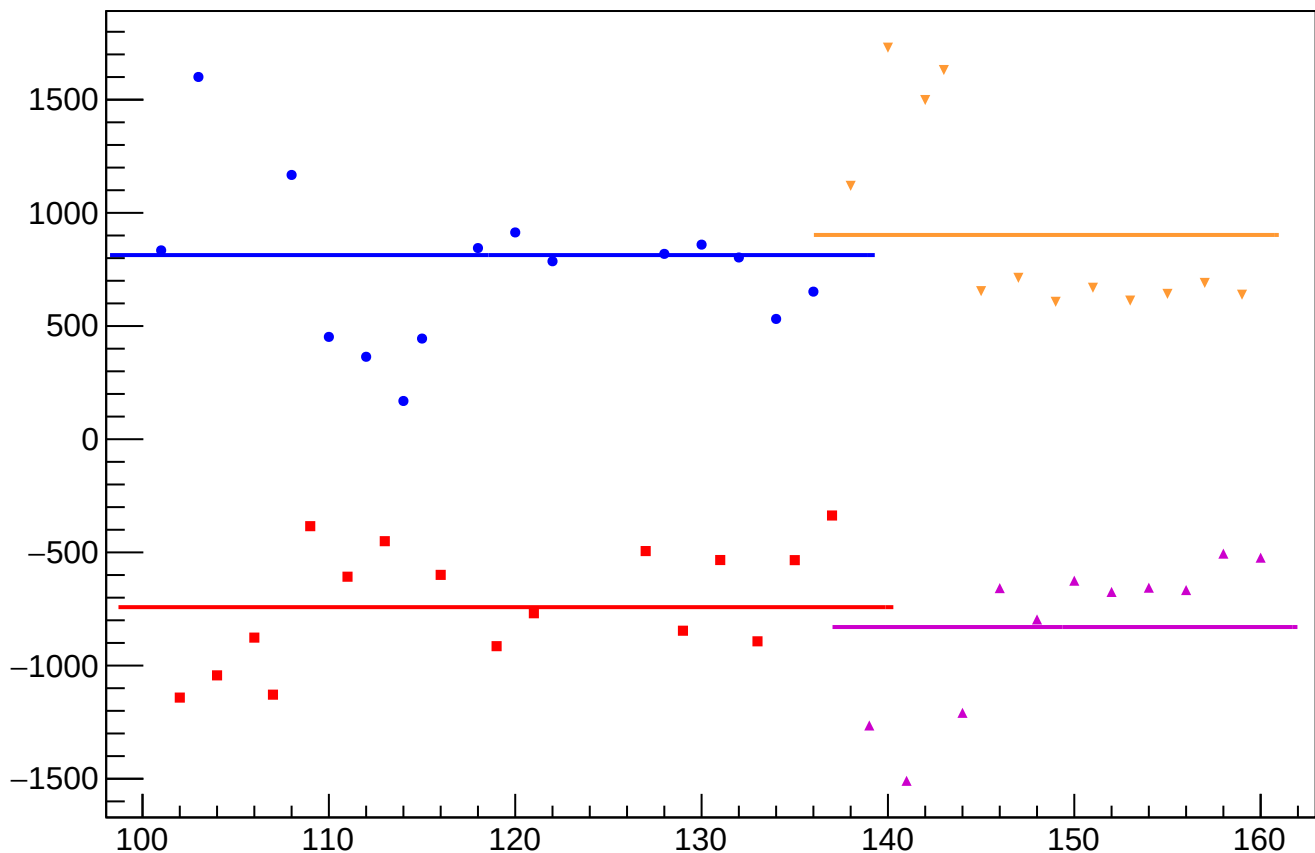
Right: 1322.243+/-0.000 χ^2/NDF : 23287829079556

In: -7715.351+/-0.000 χ^2/NDF : 290679667494142

Out: 7560.040+/-0.000 χ^2/NDF : 260730216832063

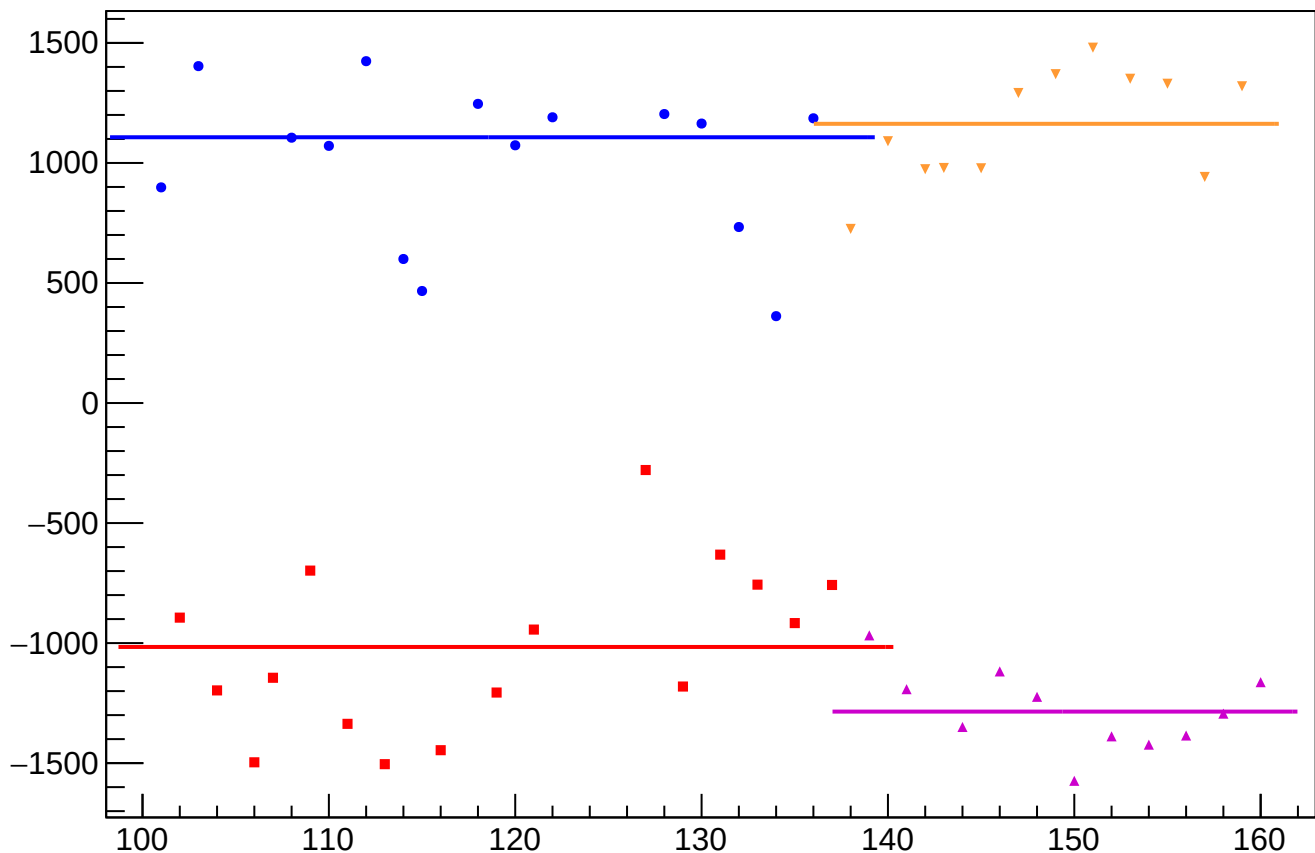
All: -51.044+/-0.000 χ^2/NDF : 569825828480

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



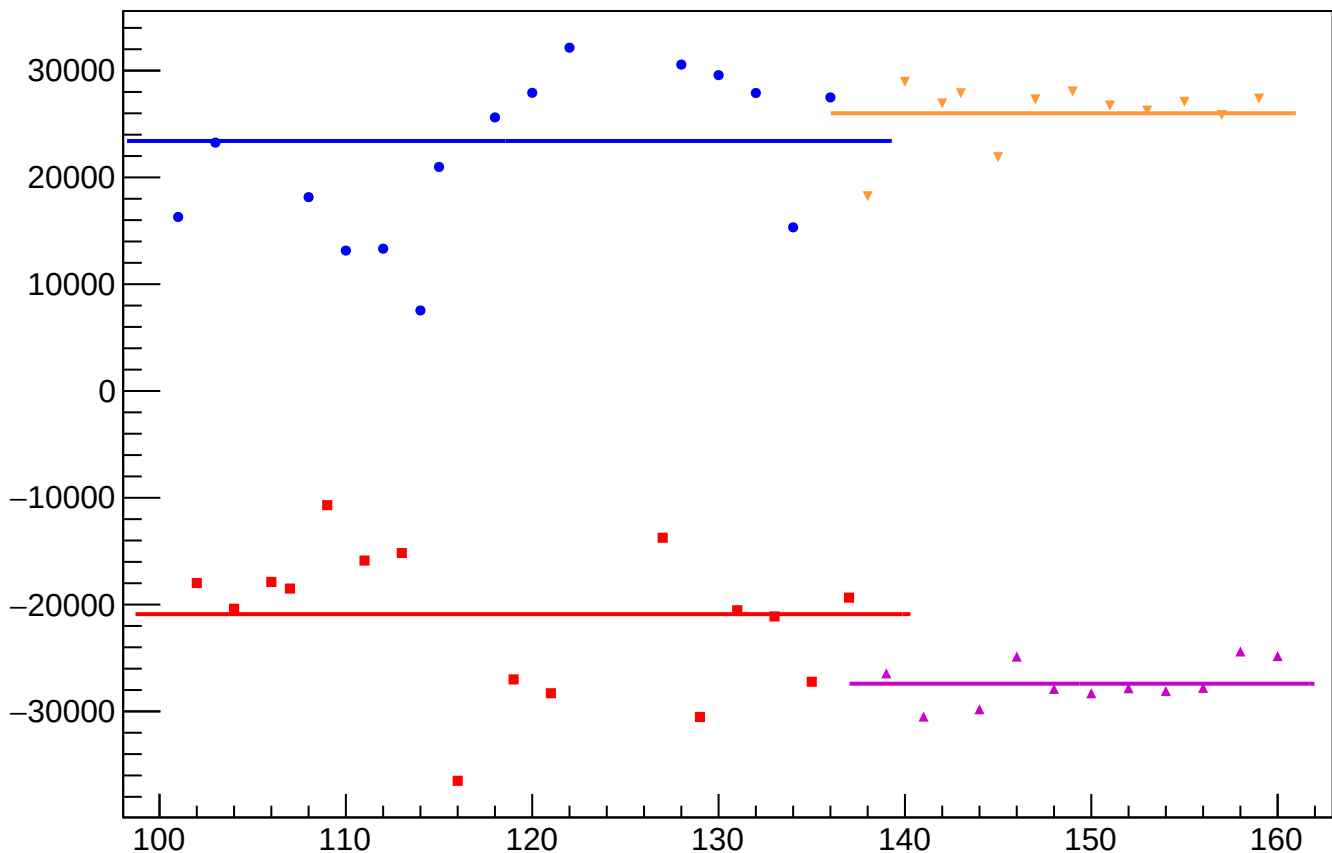
Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Left Out: 902.421+/-0.000 χ^2/NDF : 152718326074036425760692281422815166464.0/11
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Left In: -829.715+/-0.000 χ^2/NDF : 96077836071623048341749512260917657600.0/10
 All: 29.766+/-0.000 χ^2/NDF : 253670777775

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



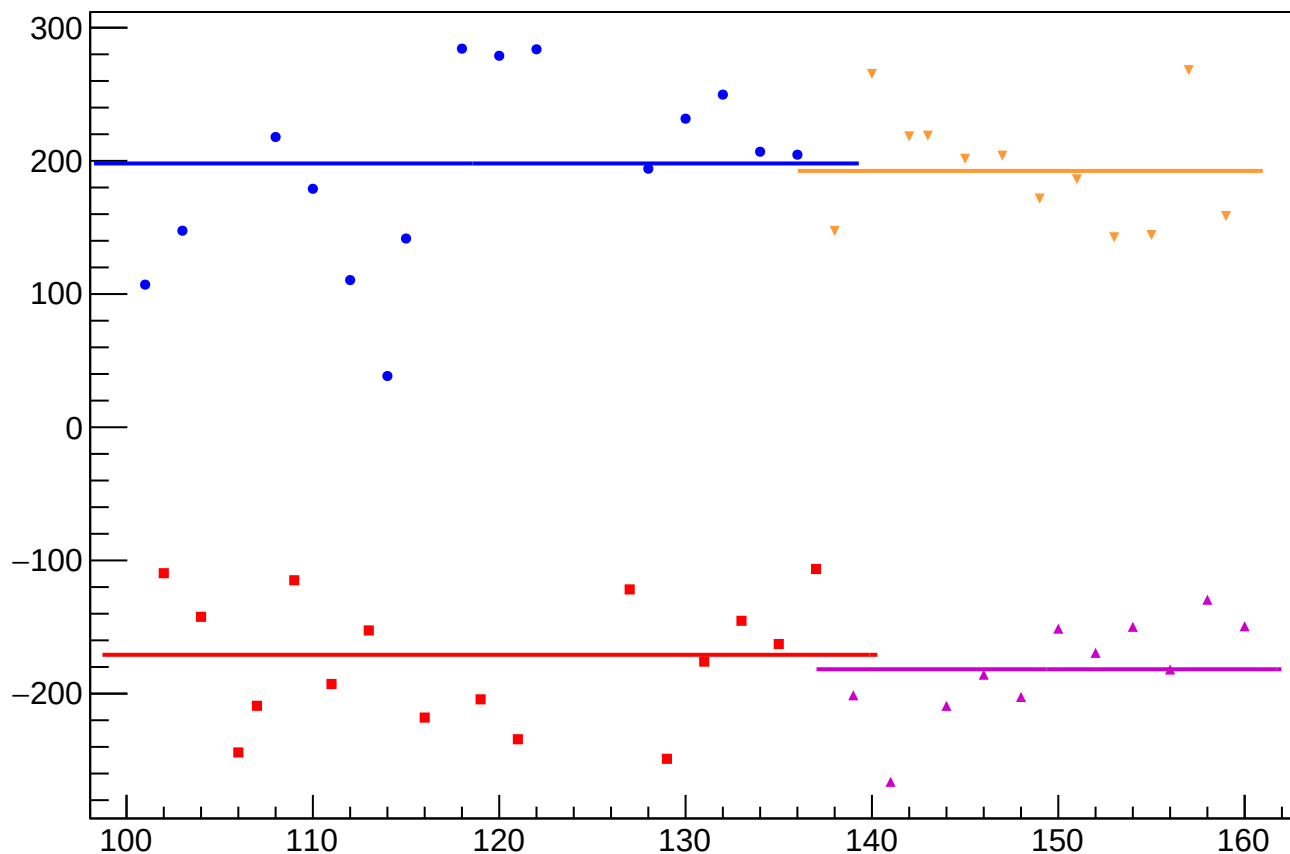
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam5_coil4_mean vs Slug, Sign Corrected



Right In: 23411.506+/-0.000 χ^2/NDF : 28427457471780319352885746571315708428288.0/14
 Left Out: 26004.082+/-0.000 χ^2/NDF : 7839626408572155503333833682521065259008.0/11
 Right Out: -20894.122+/-0.000 χ^2/NDF : 27408965804578649107002909409987218374656.0/15
 Left In: -27407.255+/-0.000 χ^2/NDF : 3322659858866093858426557456838465421312.0/10
 All: -69.963+/-0.000 χ^2/NDF : 202804400443

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



Right In: 198.056 +/- 0.000

χ^2/NDF : 2482928792293864415922382990034862080.0/14

Left Out: 192.452 +/- 0.000

χ^2/NDF : 1667687947841400069416399021327515648.0/11

Right Out: -170.851 +/- 0.000

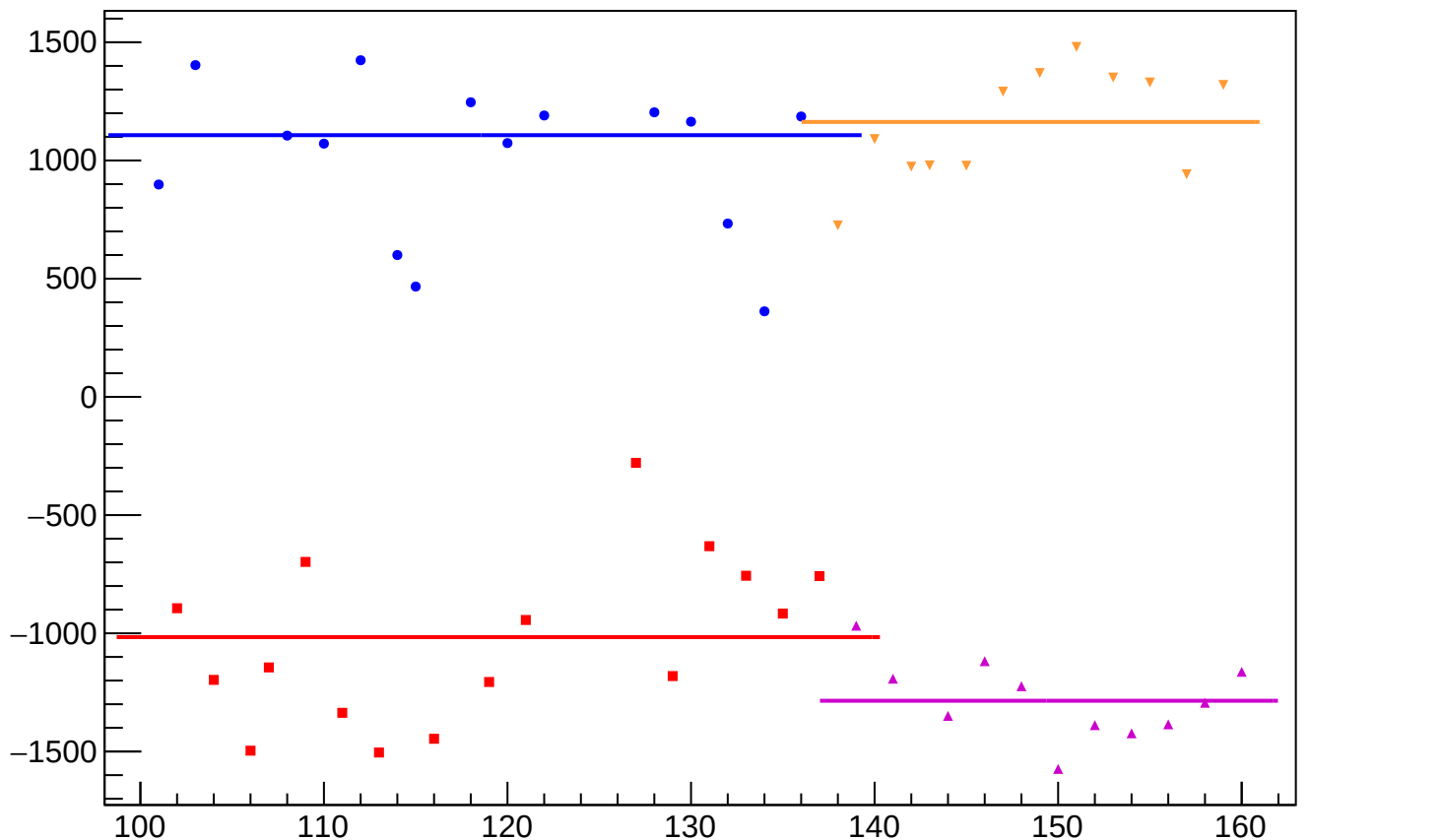
χ^2/NDF : 1418314816915016425155520631536615424.0/15

Left In: -181.711 +/- 0.000

χ^2/NDF : 1228549704796737698218369408017891328.0/10

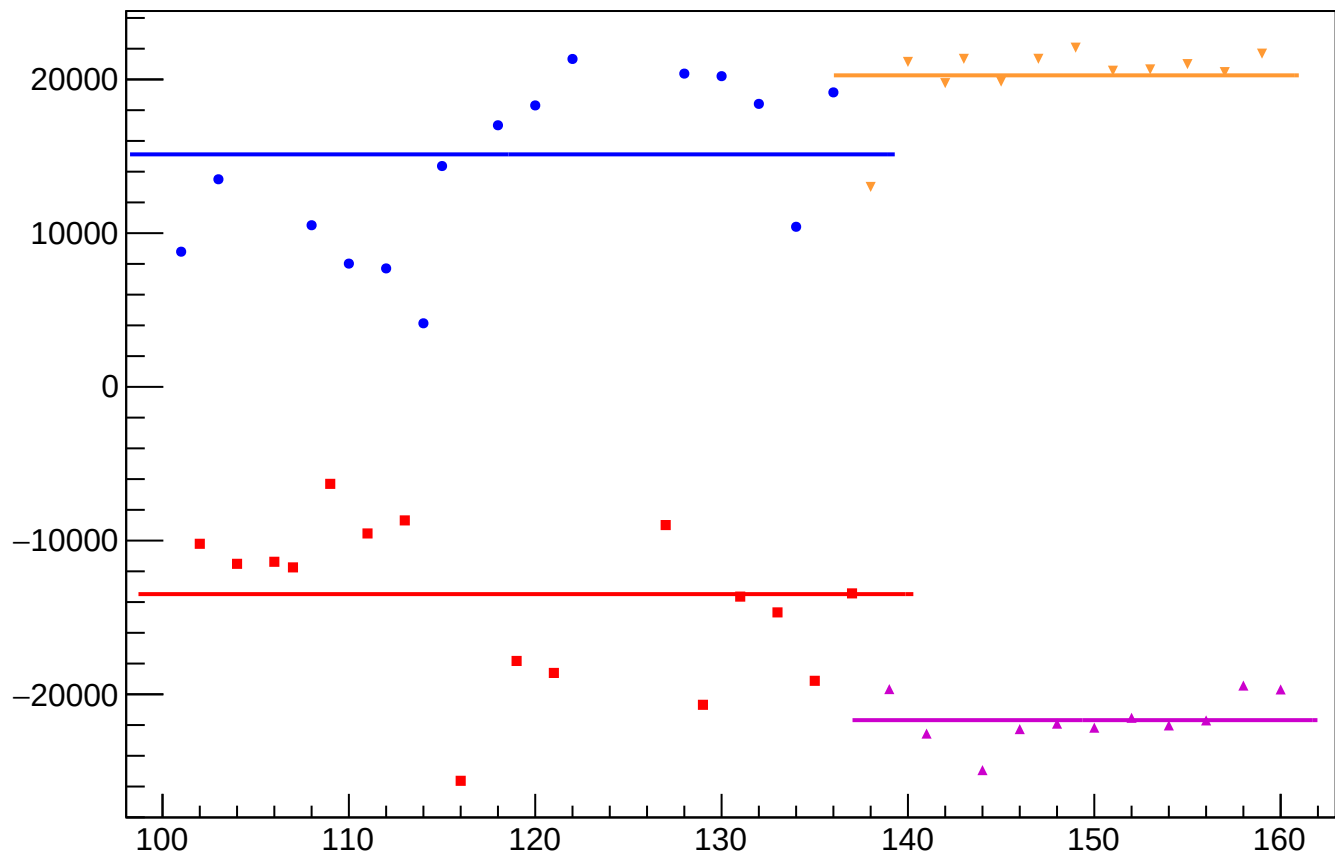
All: 7.335 +/- 0.000 χ^2/NDF : 11602845510853

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



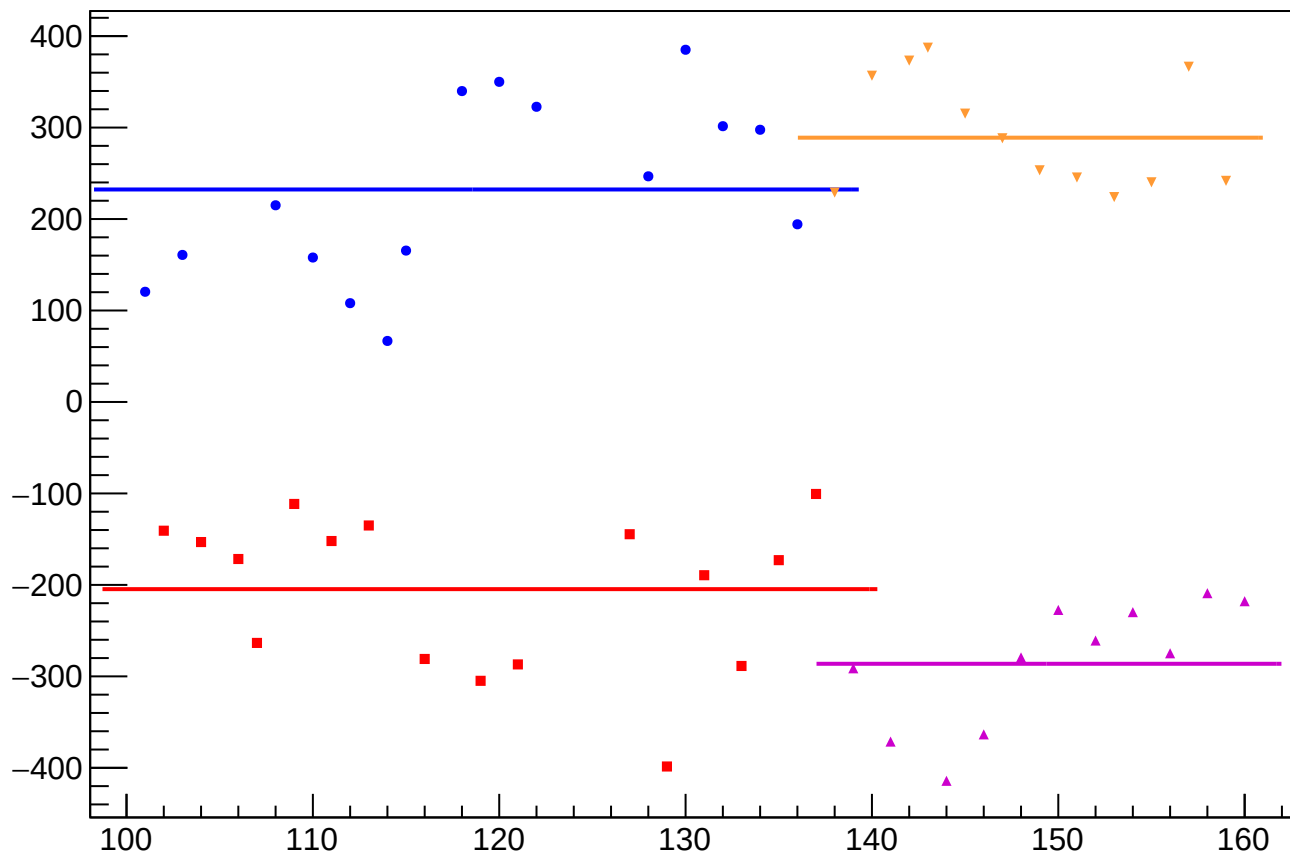
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam6_coil4_mean vs Slug, Sign Corrected



Right In: 15125.834 $\pm$ 0.000 χ^2 /NDF: 16615438767664069151744668380763246297088.0/14
 Left Out: 20266.540 $\pm$ 0.000 χ^2 /NDF: 4863660224752470739172242695454111825920.0/11
 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: -197.985 $\pm$ 0.000 χ^2 /NDF: 11200933497

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



Right In: 232.312+/-0.000

χ^2/NDF : 5478184144885833956204804001180418048.0/14

Left Out: 288.949+/-0.000

χ^2/NDF : 3144080021405635930356092886432350208.0/11

Right Out: -204.637+/-0.000

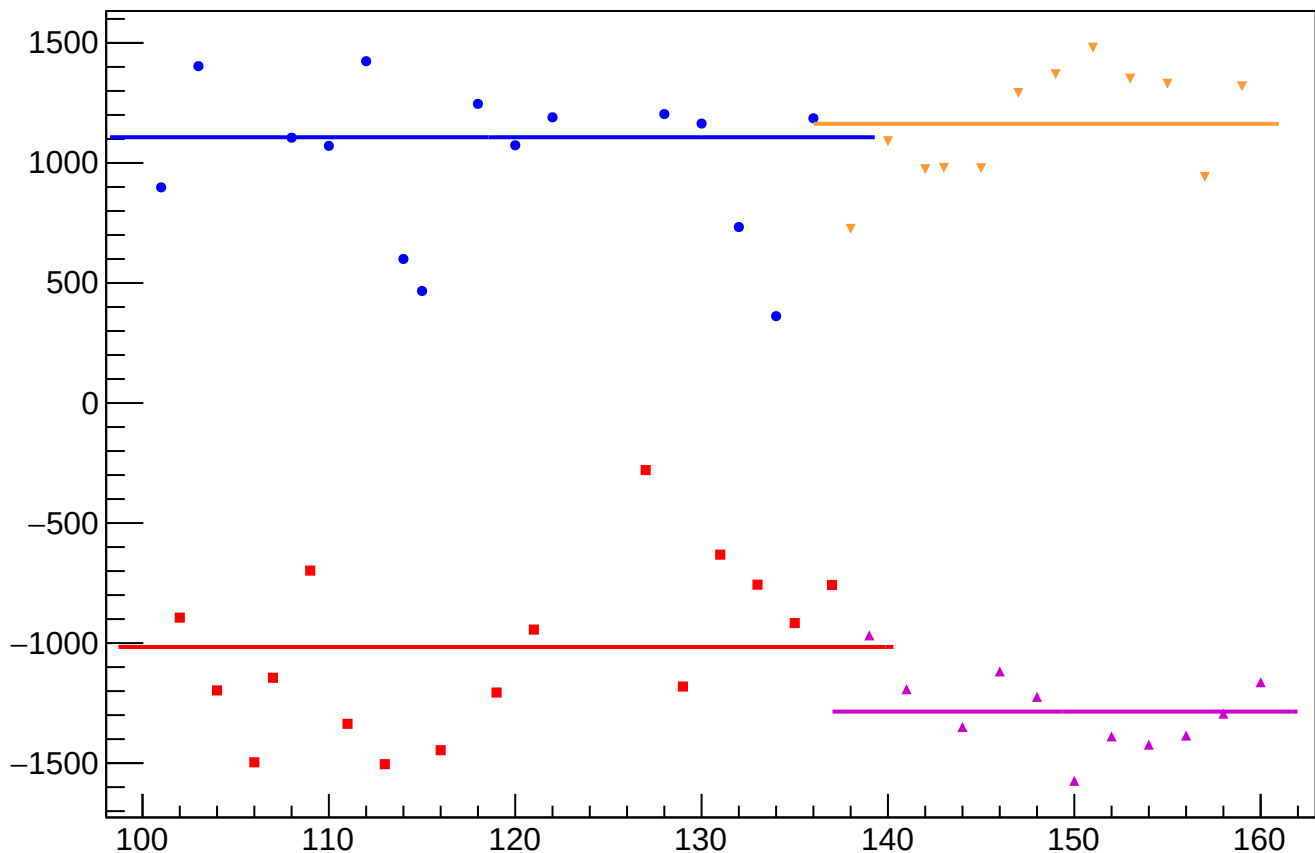
χ^2/NDF : 4555067046835230017930882867882098688.0/15

Left In: -286.246+/-0.000

χ^2/NDF : 4067110443230234744644750983181631488.0/10

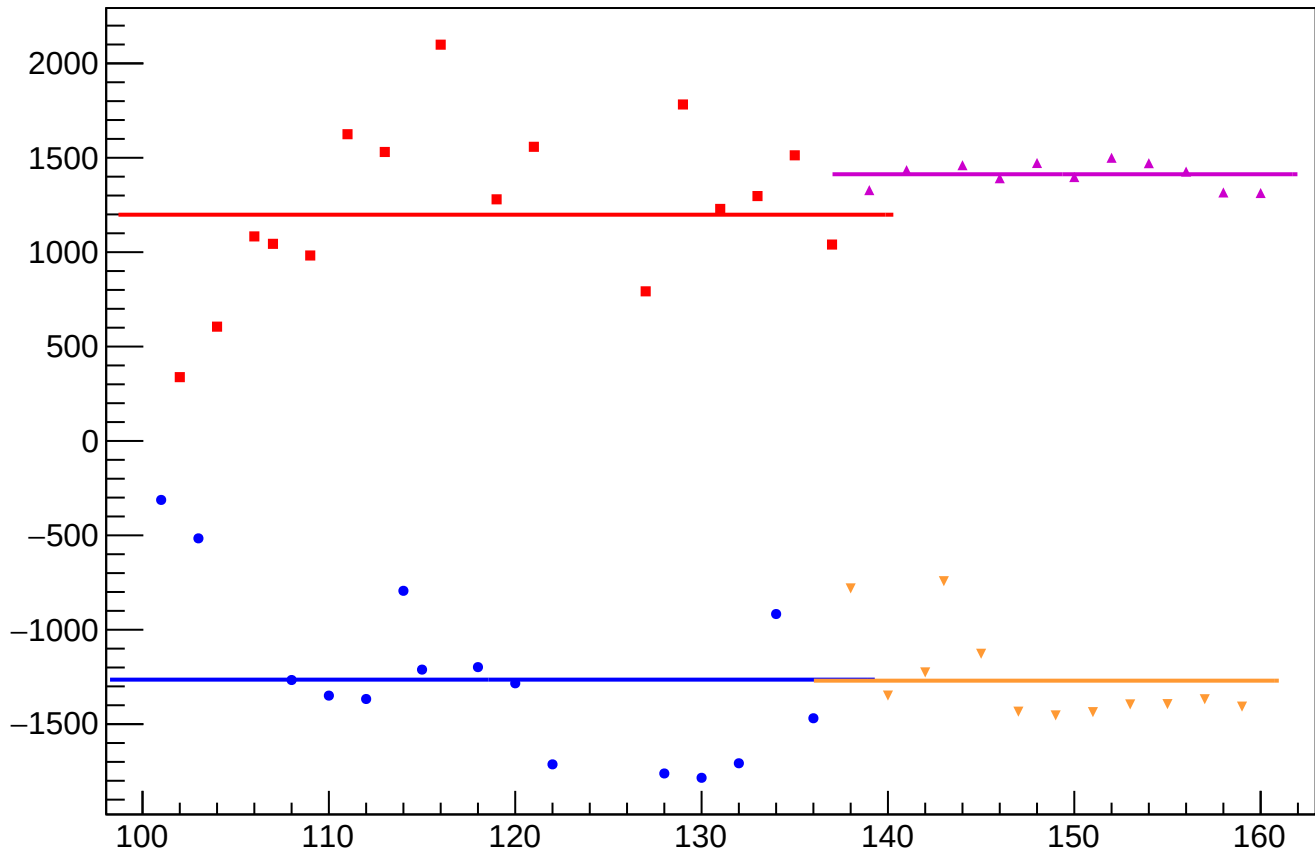
All: 4.673+/-0.000 χ^2/NDF : 23240426511653

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303+/-0.000

Left Out: -1269.744+/-0.000

Right Out: 1198.483+/-0.000

Left In: 1412.771+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 51411109749220710488956261055634341888.0/11

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 3642959557366432228461510163957809152.0/10

Left: 76.614+/-0.000 χ^2/NDF : 33669141743314231

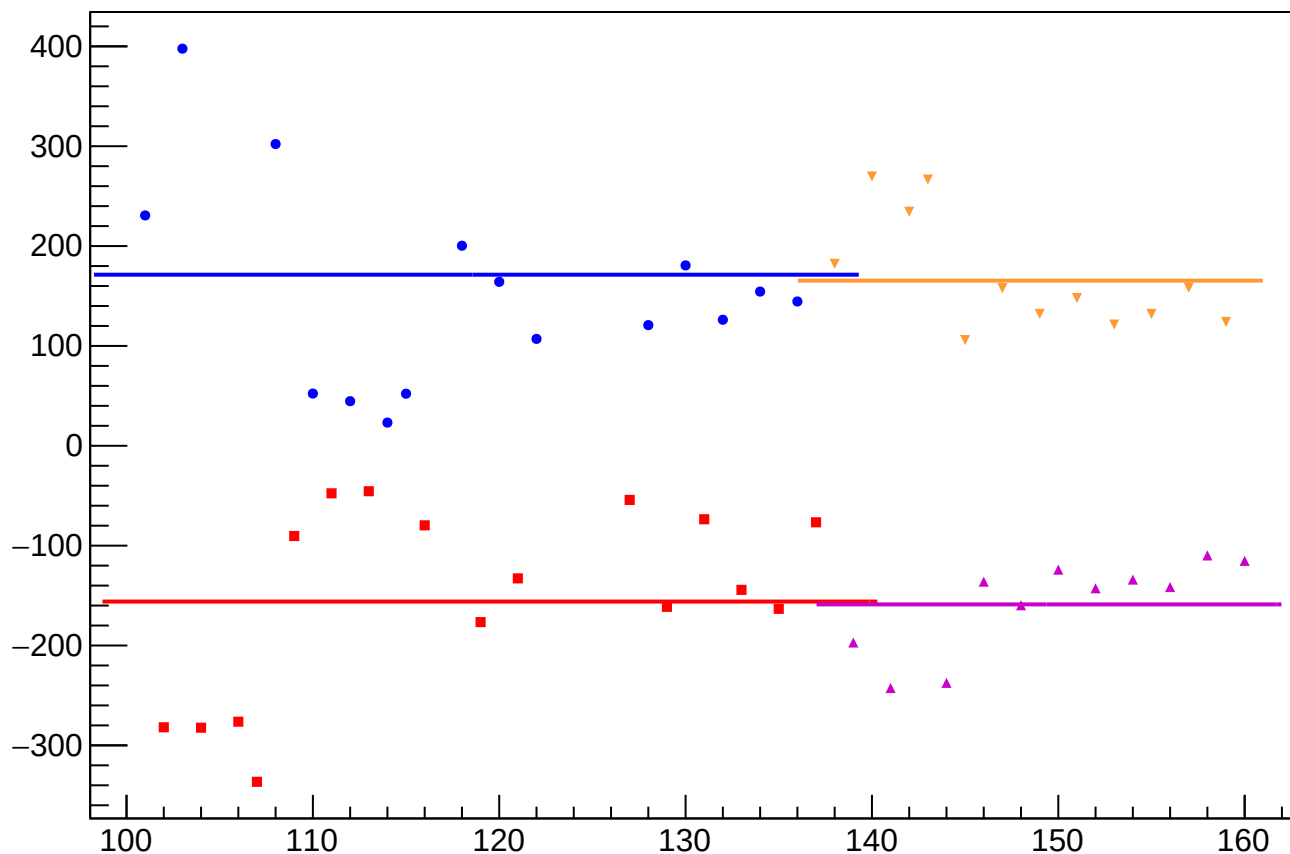
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 308.244+/-0.000 χ^2/NDF : 28760344161485338

Out: -230.408+/-0.000 χ^2/NDF : 253497117304588

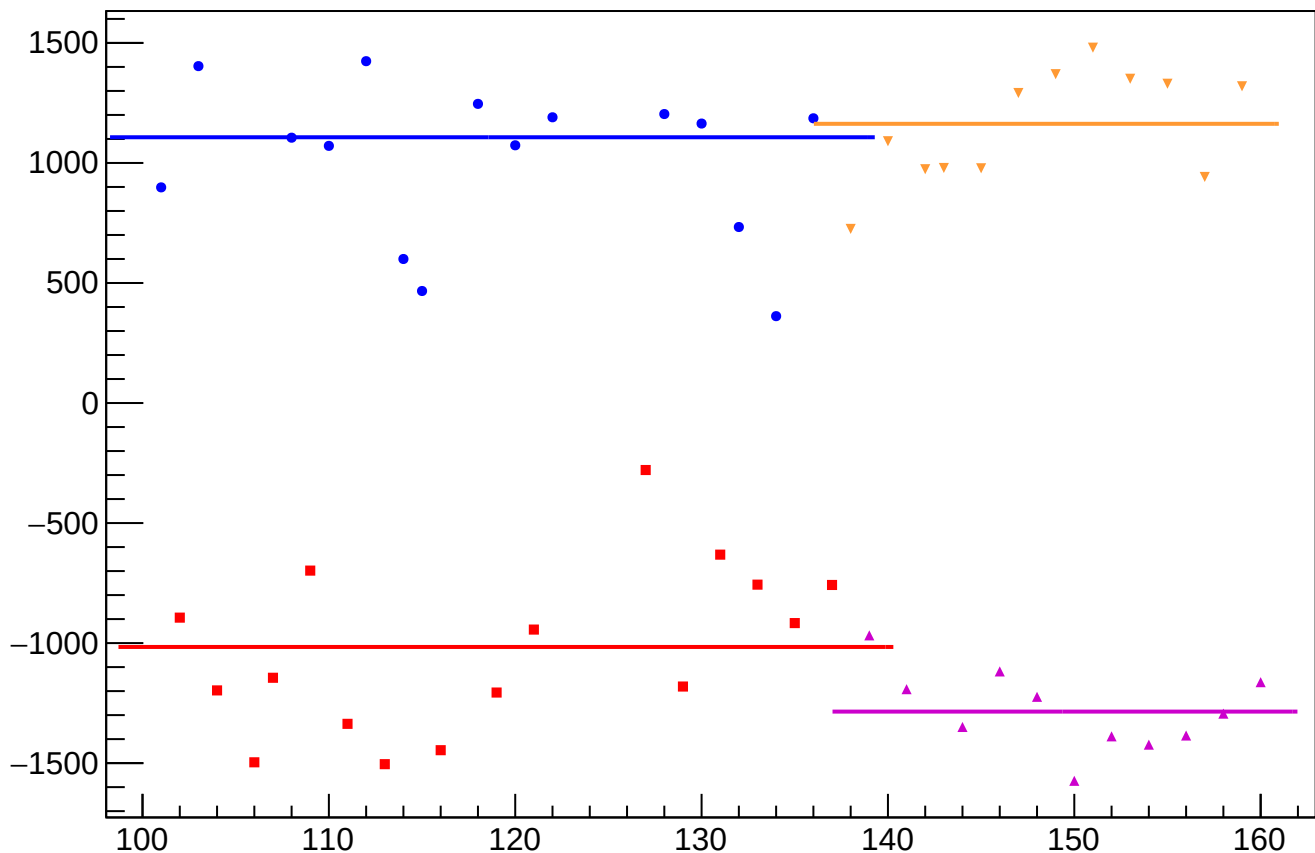
All: 37.980+/-0.000 χ^2/NDF : 5640001192745

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



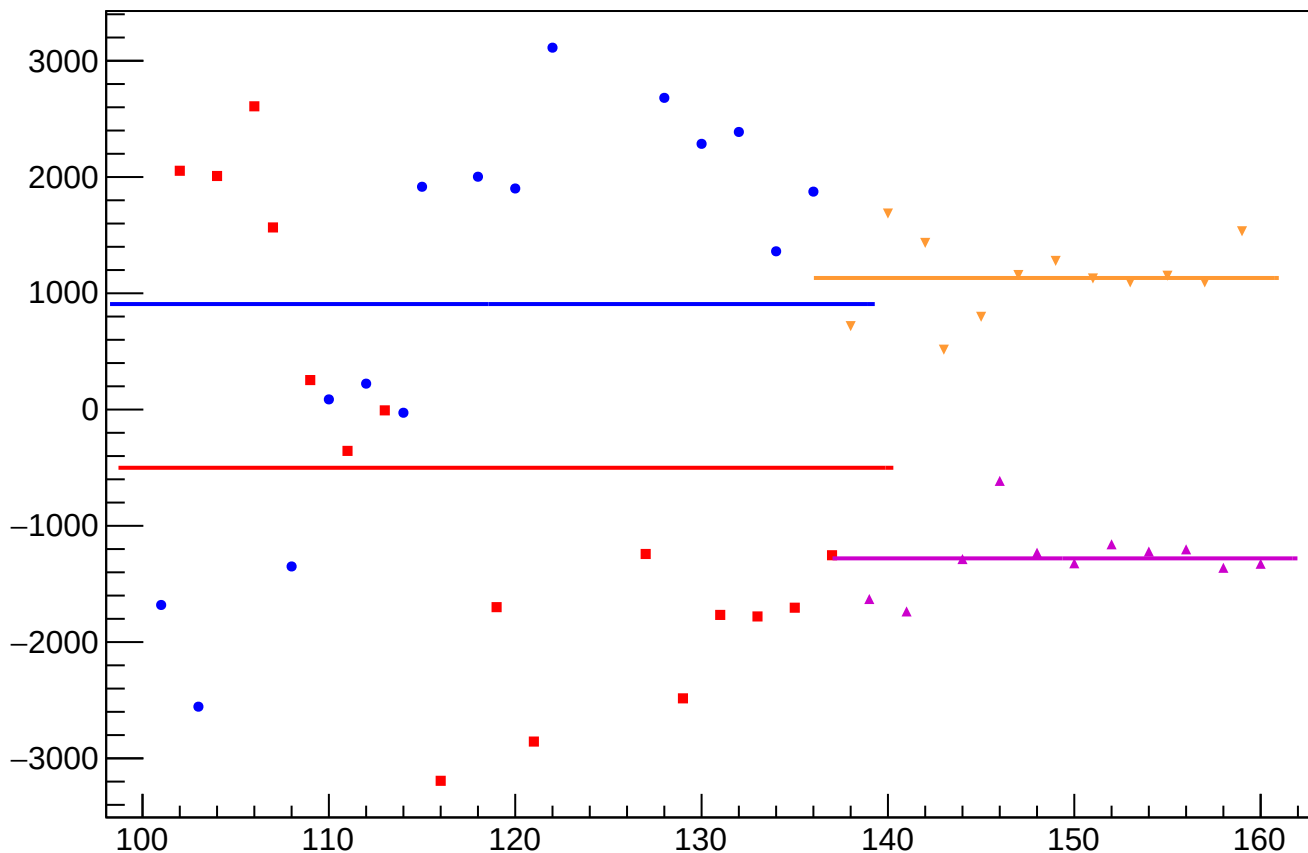
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.375+/-0.000 χ^2/NDF : 2622335351174785803279271276281069568.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 All: 3.810+/-0.000 χ^2/NDF : 99900868870086

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1131.794+/-0.000

χ^2/NDF : 92327464318942529302079754204983853056.0/11

Right Out: -500.689+/-0.000

χ^2/NDF : 2074232918749953174436803426379074895872.0/15

Left In: -1279.995+/-0.000

χ^2/NDF : 67592304703884032028559239448782438400.0/10

Left: -78.685+/-0.000 χ^2/NDF : 2837029478342244

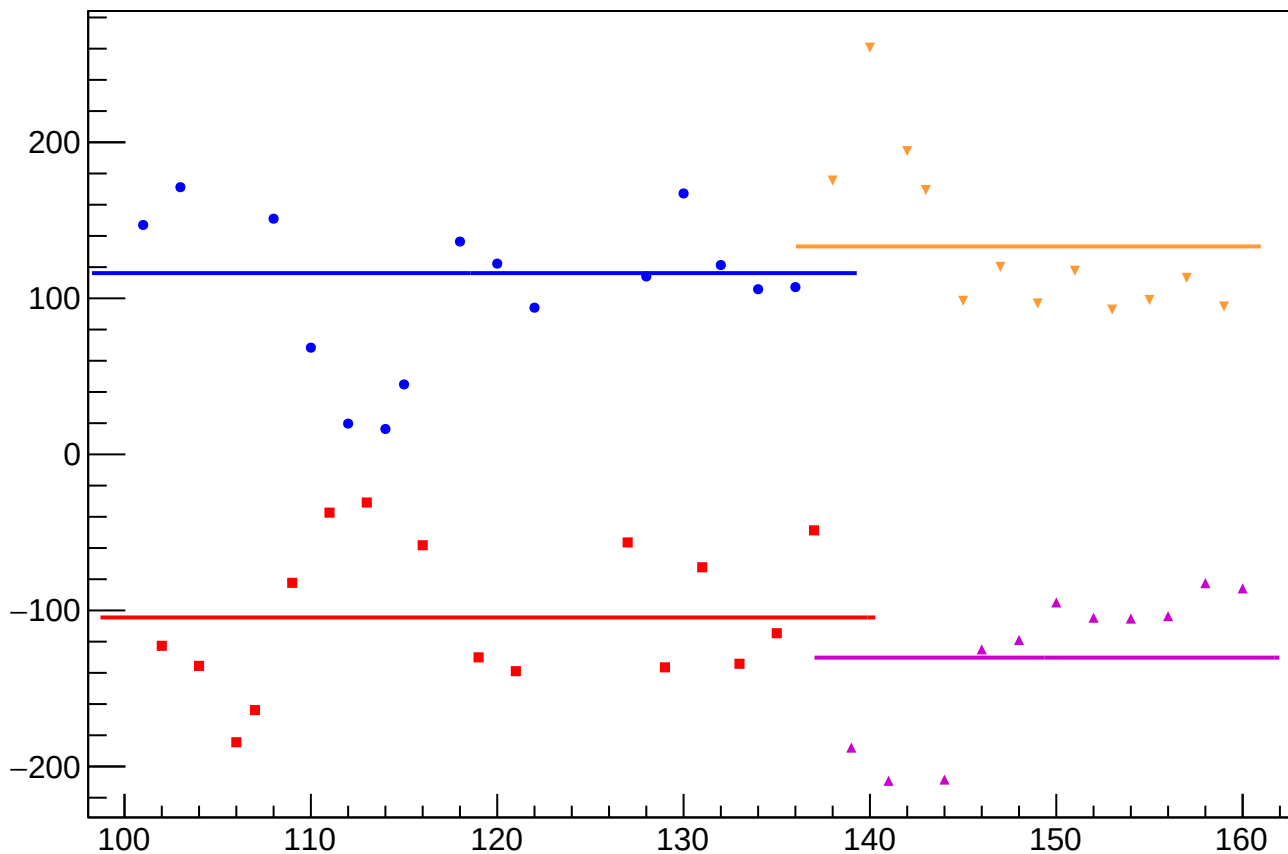
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 444.379+/-0.000 χ^2/NDF : 3195612385912640

All: 34.878+/-0.000 χ^2/NDF : 7727687301176

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159 +/- 0.000

χ^2/NDF : 1198526427485199785396504127288115200.0/14

Left Out: 133.258 +/- 0.000

χ^2/NDF : 2355510699309539172490444744349974528.0/11

Right Out: -104.501 +/- 0.000

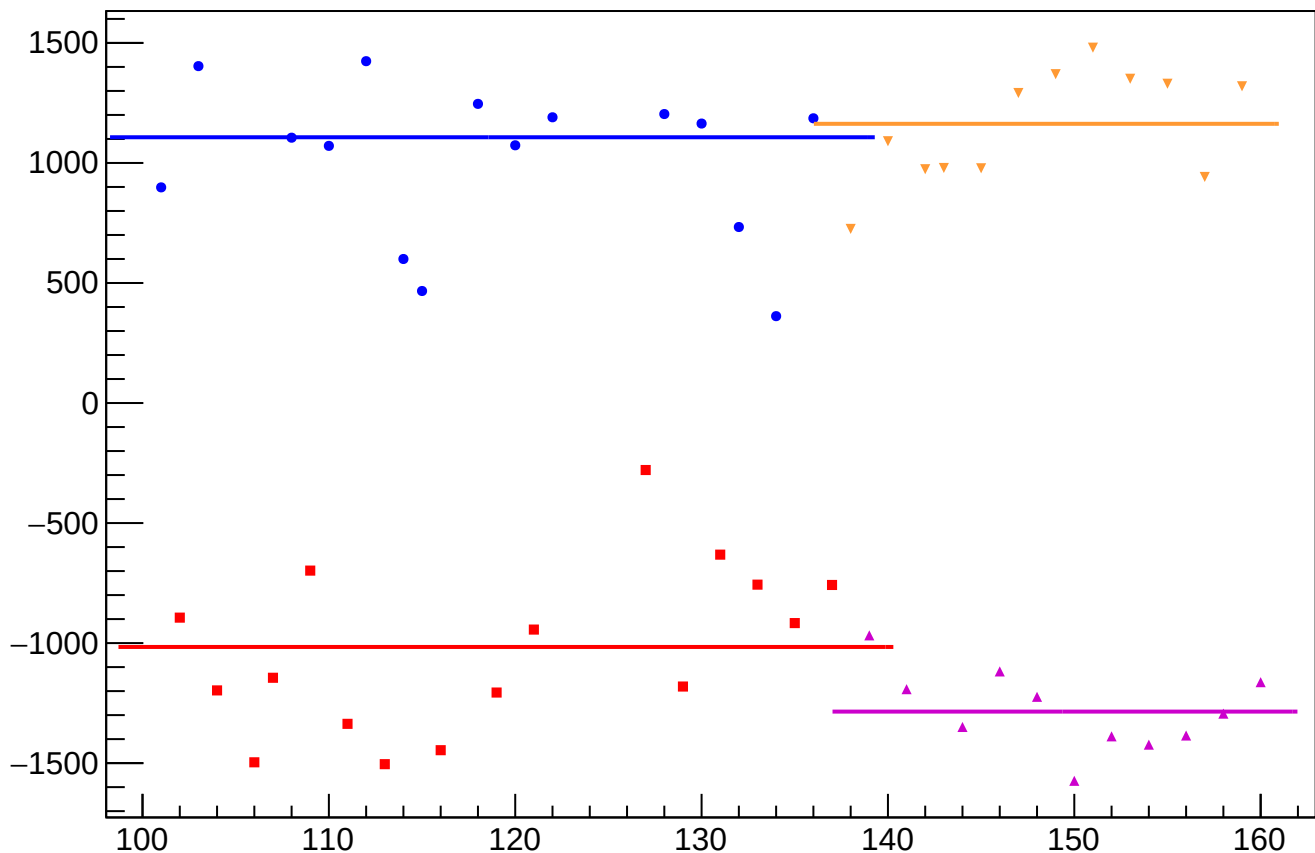
χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -130.237 +/- 0.000

χ^2/NDF : 1968814259217478663576054483231178752.0/10

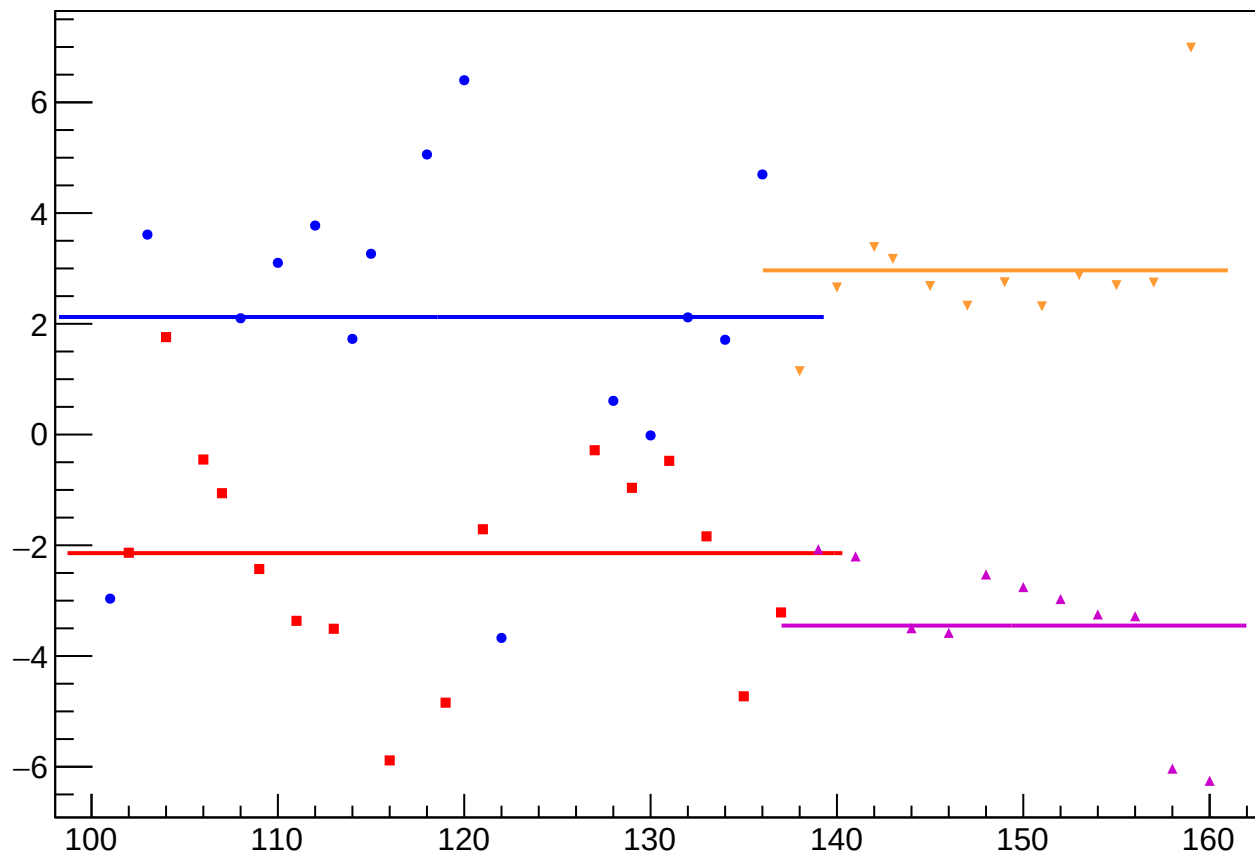
All: 2.390 +/- 0.000 χ^2/NDF : 54787939328328

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



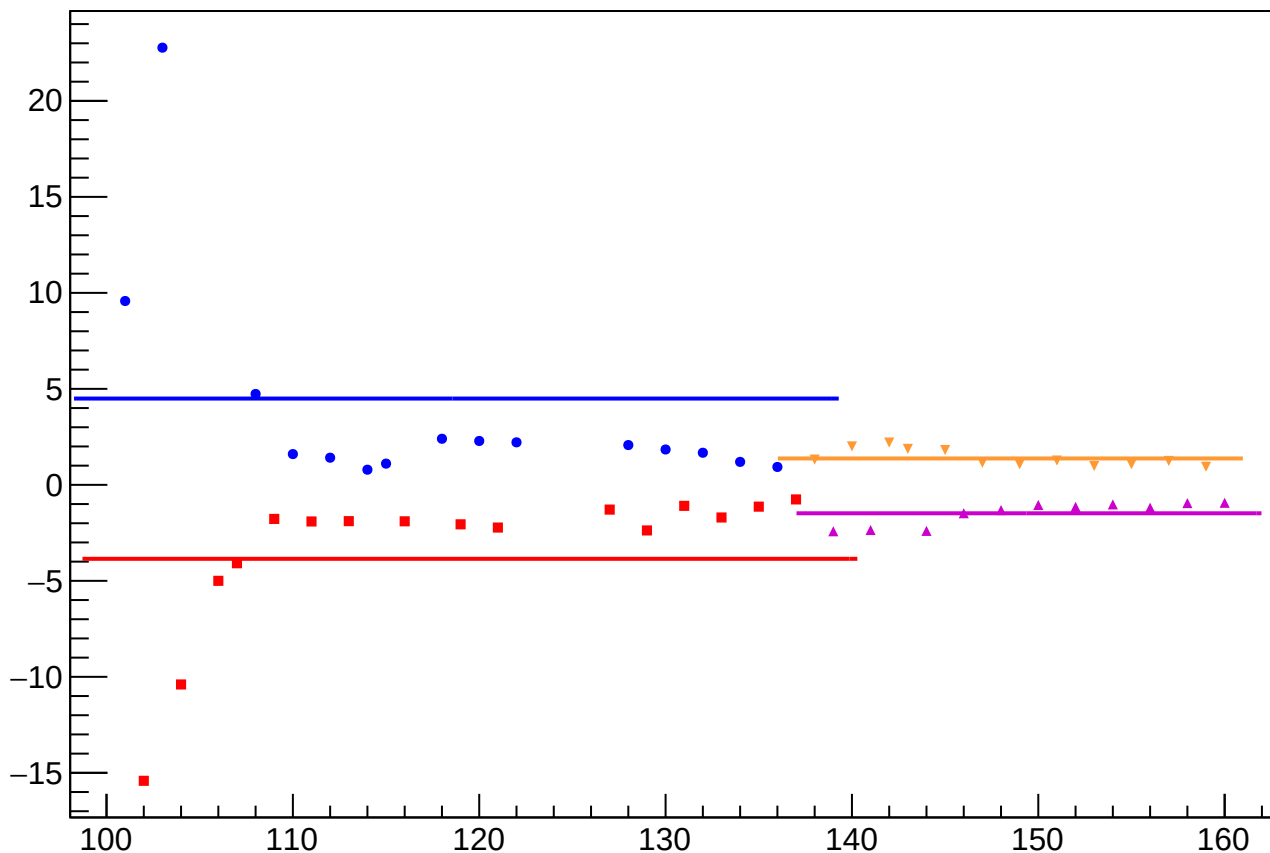
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1163.051+/-0.000 χ^2/NDF : 45744768397049445452124121981603807232.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.475+/-0.000 χ^2/NDF : 443196140049

dit_4aX_coil6_mean vs Slug, Sign Corrected



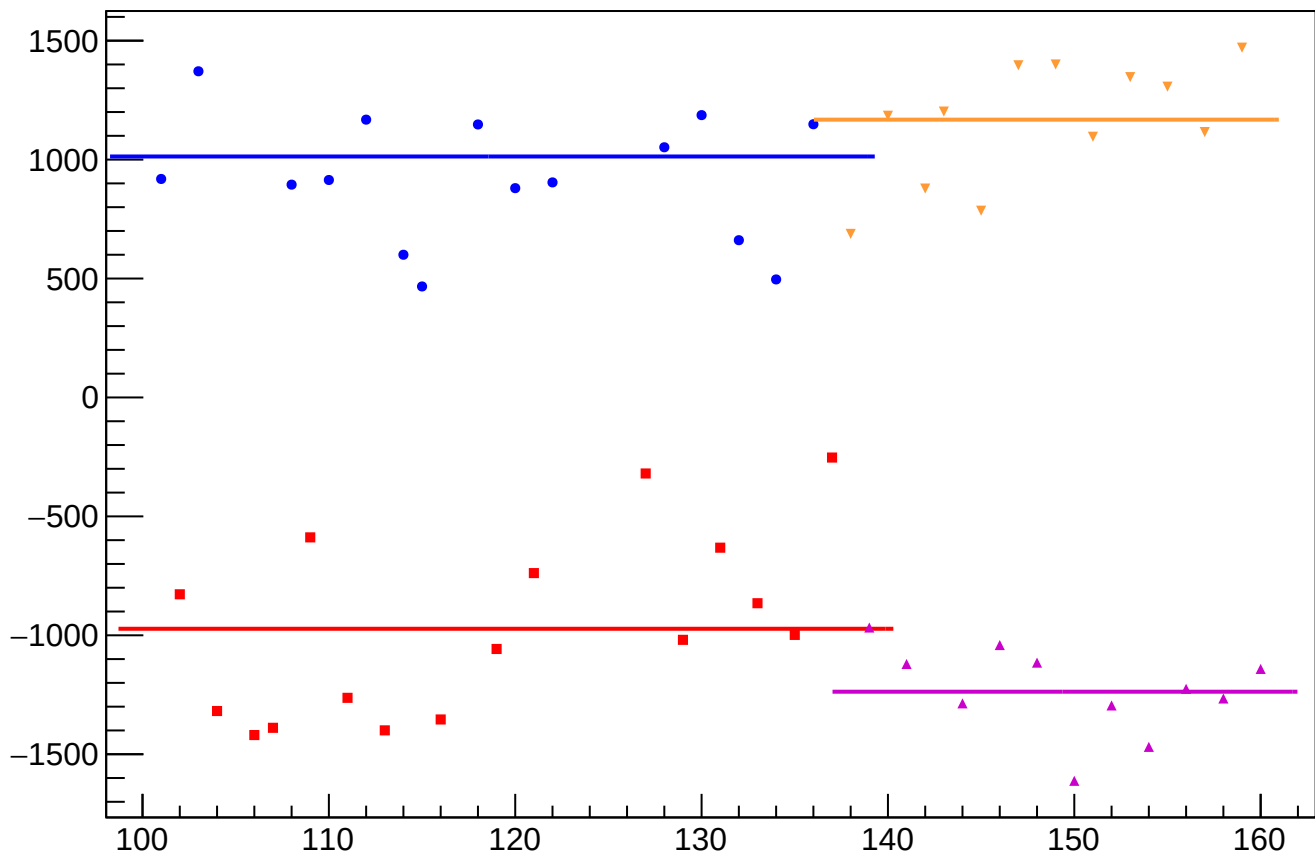
Left: -0.255 ± 0.000 χ^2/NDF : 22154610760613794
 Right In: 2.123 ± 0.000 χ^2/NDF : 5263705922821075971022013849403392.0/14
 Right: -0.039 ± 0.000 χ^2/NDF : 1371901956190569
 Left Out: 2.966 ± 0.000 χ^2/NDF : 1657147599544170270871306245242880.0/11
 In: -1.151 ± 0.000 χ^2/NDF : 186566302459324539
 Right Out: -2.142 ± 0.000 χ^2/NDF : 2472949940993672466161692257026048.0/15
 Out: 0.815 ± 0.000 χ^2/NDF : 142026409717711830
 Left In: -3.450 ± 0.000 χ^2/NDF : 1551935058842125730993767819771904.0/10
 All: -0.165 ± 0.000 χ^2/NDF : 3590940357981

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



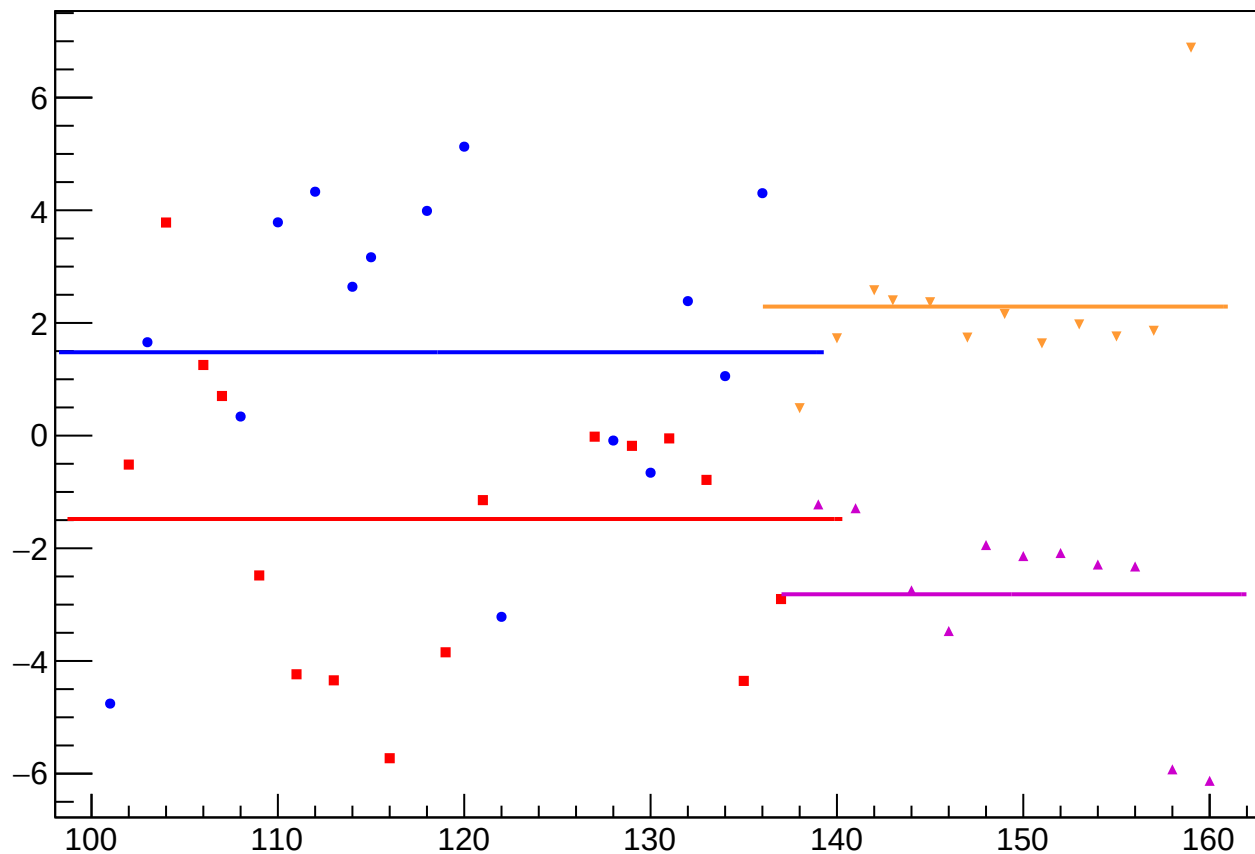
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 25270242219816061532329198634401792.0/14
 Left Out: 1.375 $\pm$ 0.000 χ^2 /NDF: 145824137057123098329032148647936.0/11
 Right Out: -3.852 $\pm$ 0.000 χ^2 /NDF: 12314971476556806550518847638601728.0/15
 Left In: -1.482 $\pm$ 0.000 χ^2 /NDF: 310337710475779495774509405831168.0/10
 All: 0.076 $\pm$ 0.000 χ^2 /NDF: 6479710466676

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



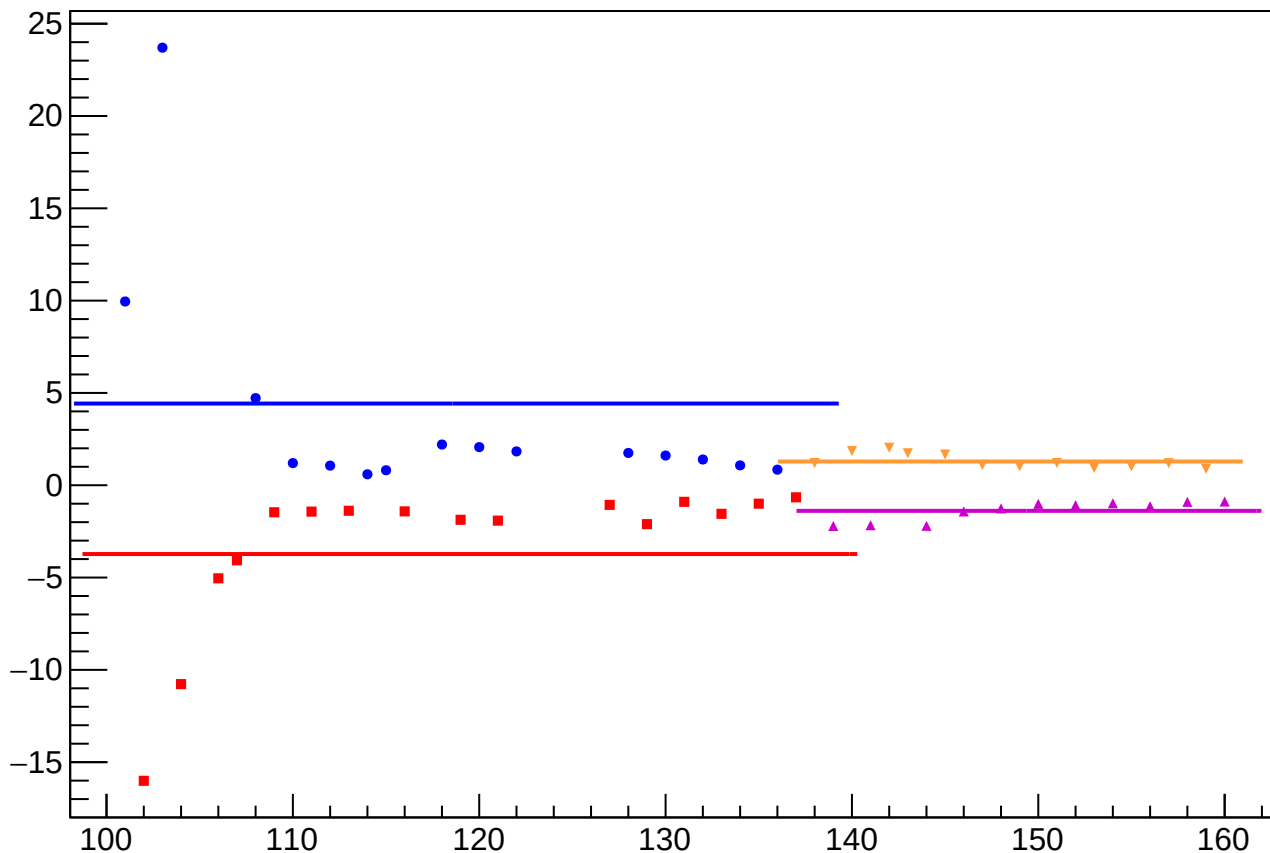
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_4eX_coil6_mean vs Slug, Sign Corrected



Right In: 1.480 $\pm$ 0.000 χ^2 /NDF: 5799670695902784459055767987683328.0/14
 Left Out: 2.290 $\pm$ 0.000 χ^2 /NDF: 2078203934623339407466741505196032.0/11
 Right Out: -1.480 $\pm$ 0.000 χ^2 /NDF: 4092645800613765572662987820367872.0/15
 Left In: -2.816 $\pm$ 0.000 χ^2 /NDF: 2230790234579581781884760219451392.0/10
 All: -0.167 $\pm$ 0.000 χ^2 /NDF: 2913510232132

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



Left: -0.055 +/- 0.000 χ^2/NDF : 36513090822130209

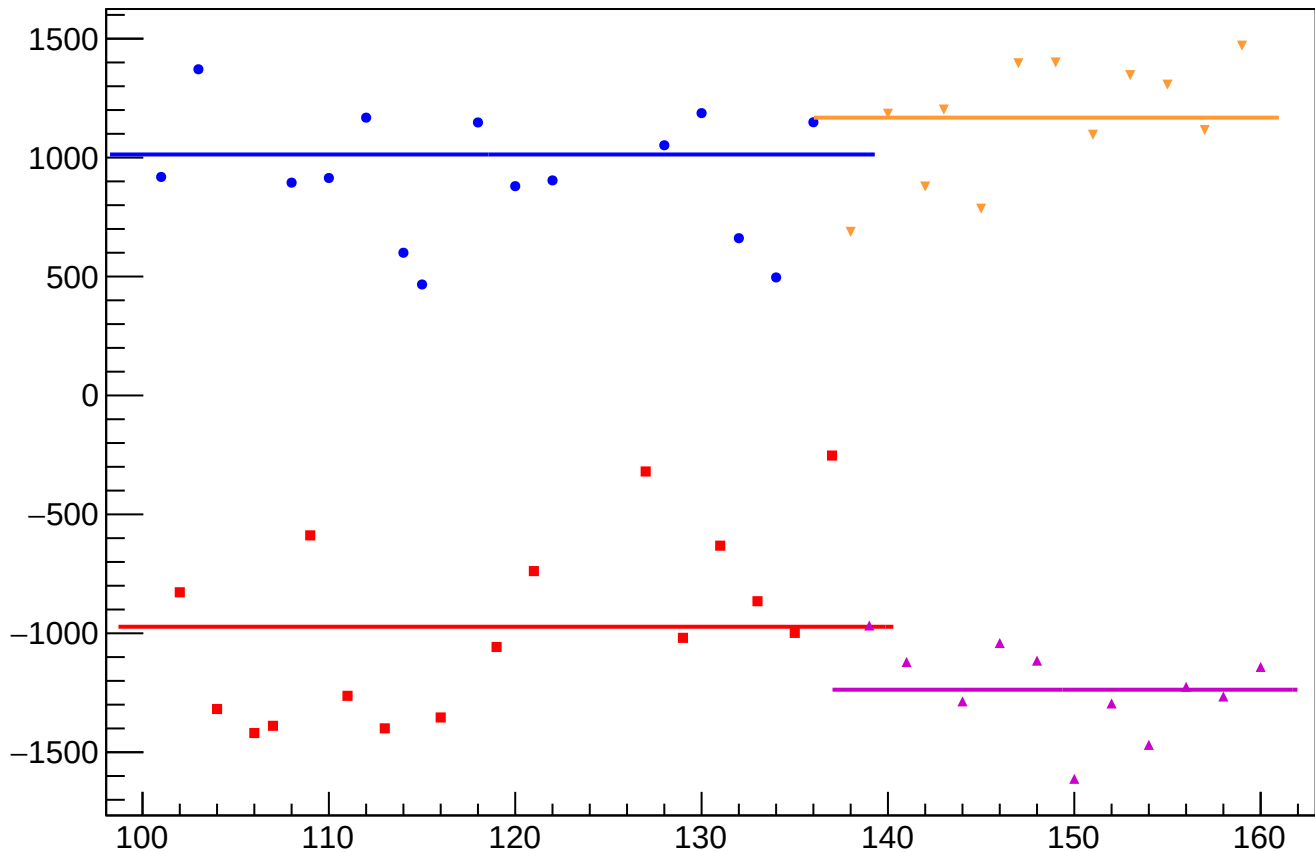
Right: 0.293 +/- 0.000 χ^2/NDF : 64106471830391853

In: 1.011 +/- 0.000 χ^2/NDF : 4137923473893372080

Out: -0.825 +/- 0.000 χ^2/NDF : 23813511461717298

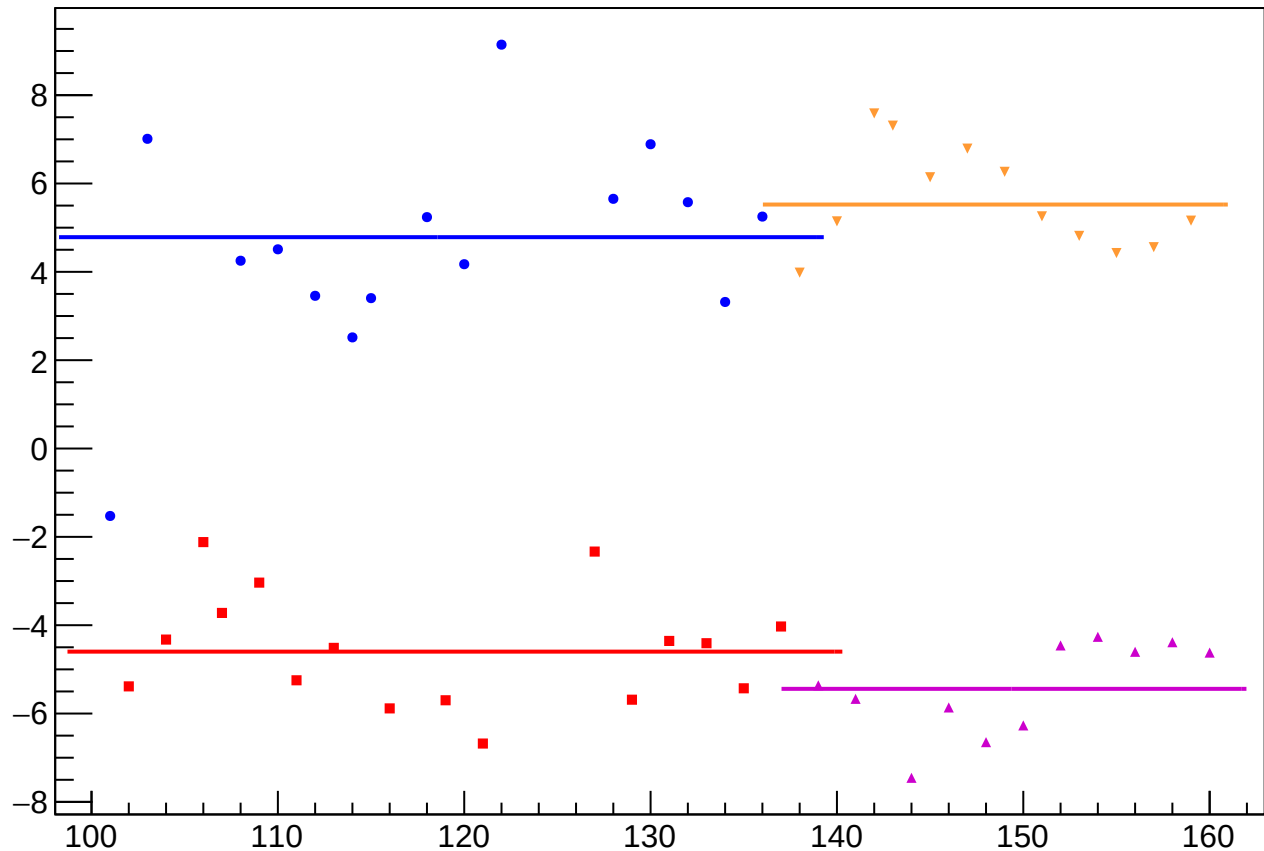
All: 0.090 +/- 0.000 χ^2/NDF : 67850915091638

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



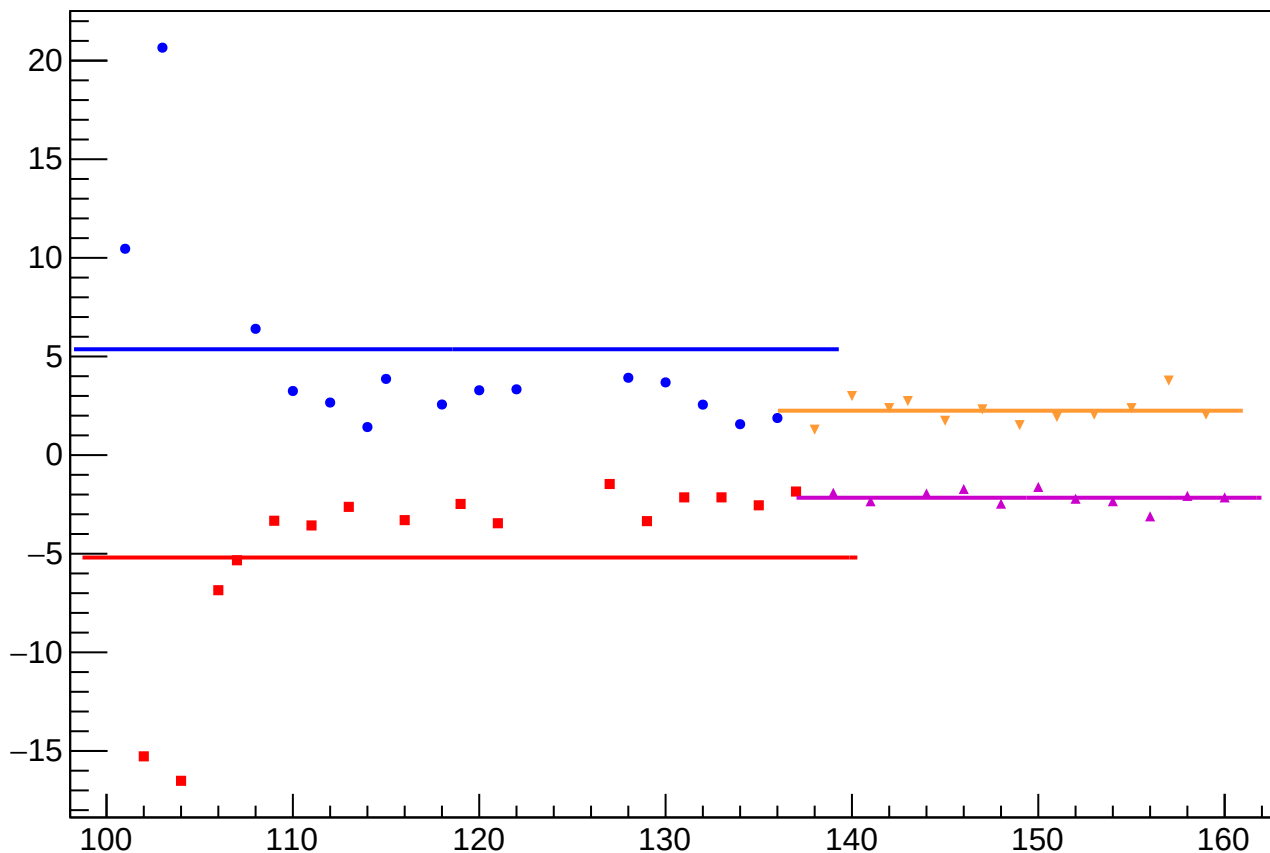
Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -39.161+/-0.000	χ^2/NDF : 2747267695574641
Left Out: 1167.974+/-0.000	χ^2/NDF : 54610138783870430946405205692756525056.0/11	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -308.706+/-0.000	χ^2/NDF : 1992534711877389
Left In: -1237.150+/-0.000	χ^2/NDF : 30323445843993737164691986740223672320.0/10	Out: 266.665+/-0.000	χ^2/NDF : 1902566719354889
		All: -20.018+/-0.000	χ^2/NDF : 415638151623

dit_11X12X_coil6_mean vs Slug, Sign Corrected



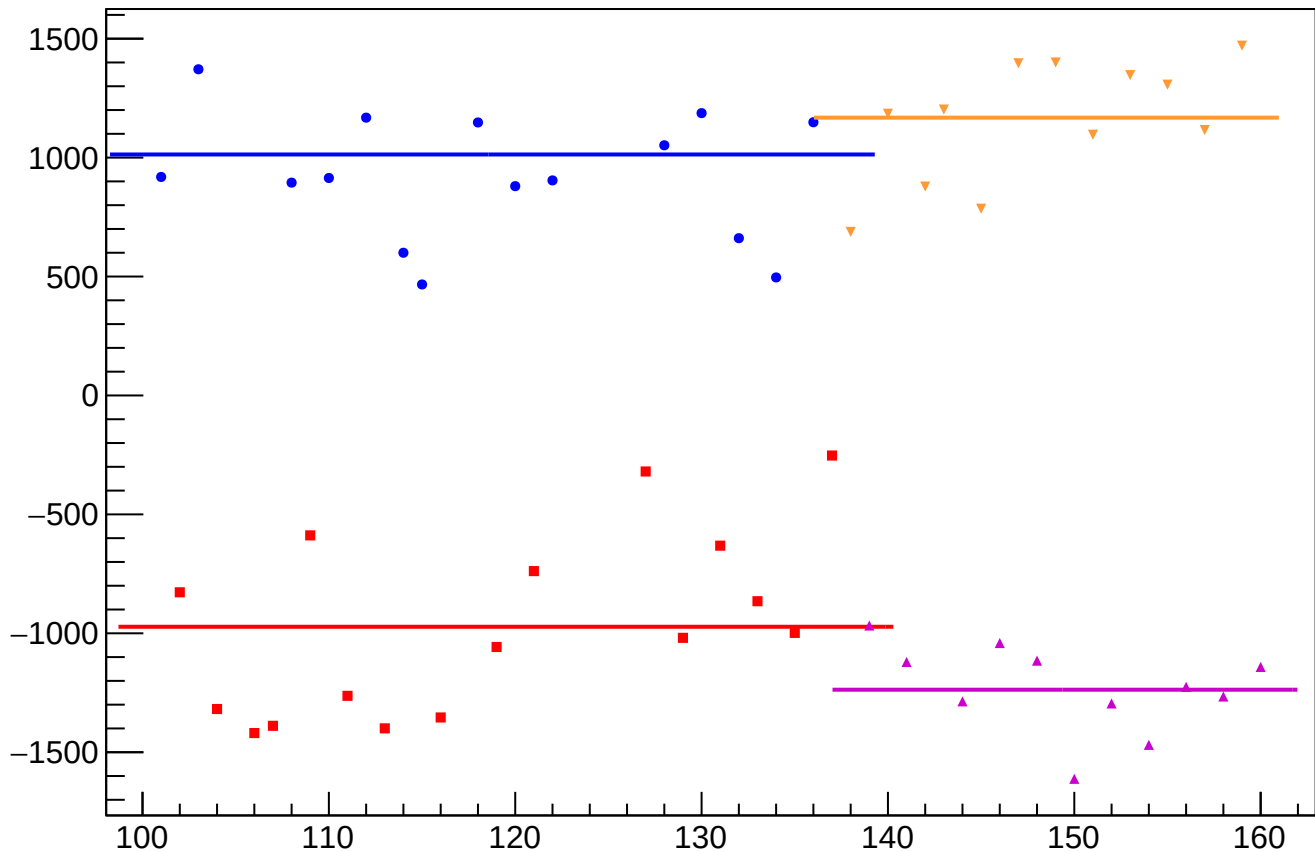
Right In: 4.785 ± 0.000 $\chi^2/\text{NDF}: 3996556073154779711808159470321664.0/14$
 Left Out: 5.524 ± 0.000 $\chi^2/\text{NDF}: 1037921325796141419900309275148288.0/11$
 Right Out: -4.598 ± 0.000 $\chi^2/\text{NDF}: 989607156792948633247632779640832.0/15$
 Left In: -5.441 ± 0.000 $\chi^2/\text{NDF}: 969147874620390855399339032838144.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 91288067214025$

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



Right In: 5.366 $\pm$ 0.000 χ^2 /NDF: 18780724722063497096153009301225472.0/14
 Left Out: 2.251 $\pm$ 0.000 χ^2 /NDF: 401214907261745165005566645370880.0/11
 Right Out: -5.192 $\pm$ 0.000 χ^2 /NDF: 15749573754945345754432436952891392.0/15
 Left In: -2.162 $\pm$ 0.000 χ^2 /NDF: 138367938839103248546751049629696.0/10
 All: 0.027 $\pm$ 0.000 χ^2 /NDF: 80702506490782

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1167.974+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54610138783870430946405205692756525056.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.161+/-0.000 χ^2/NDF : 2747267695574641

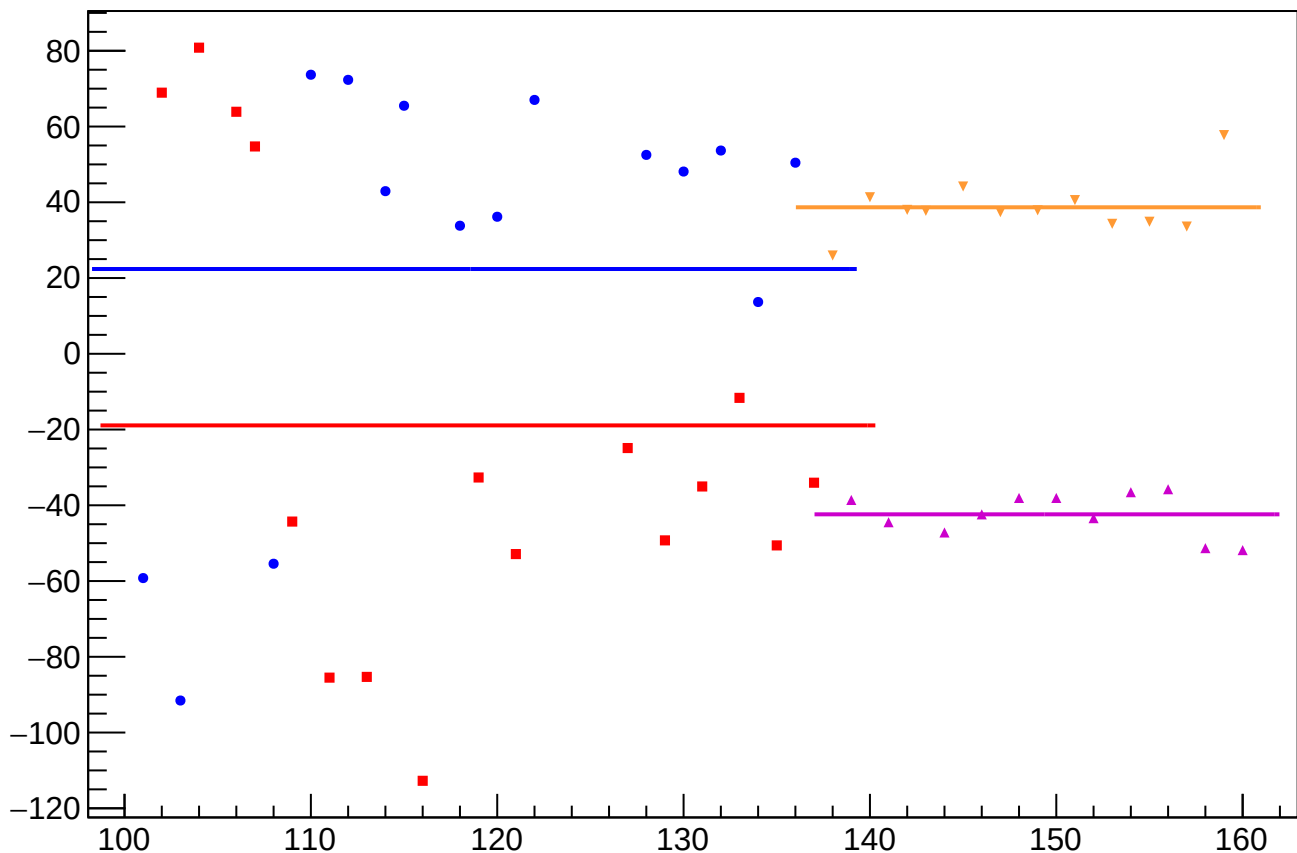
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

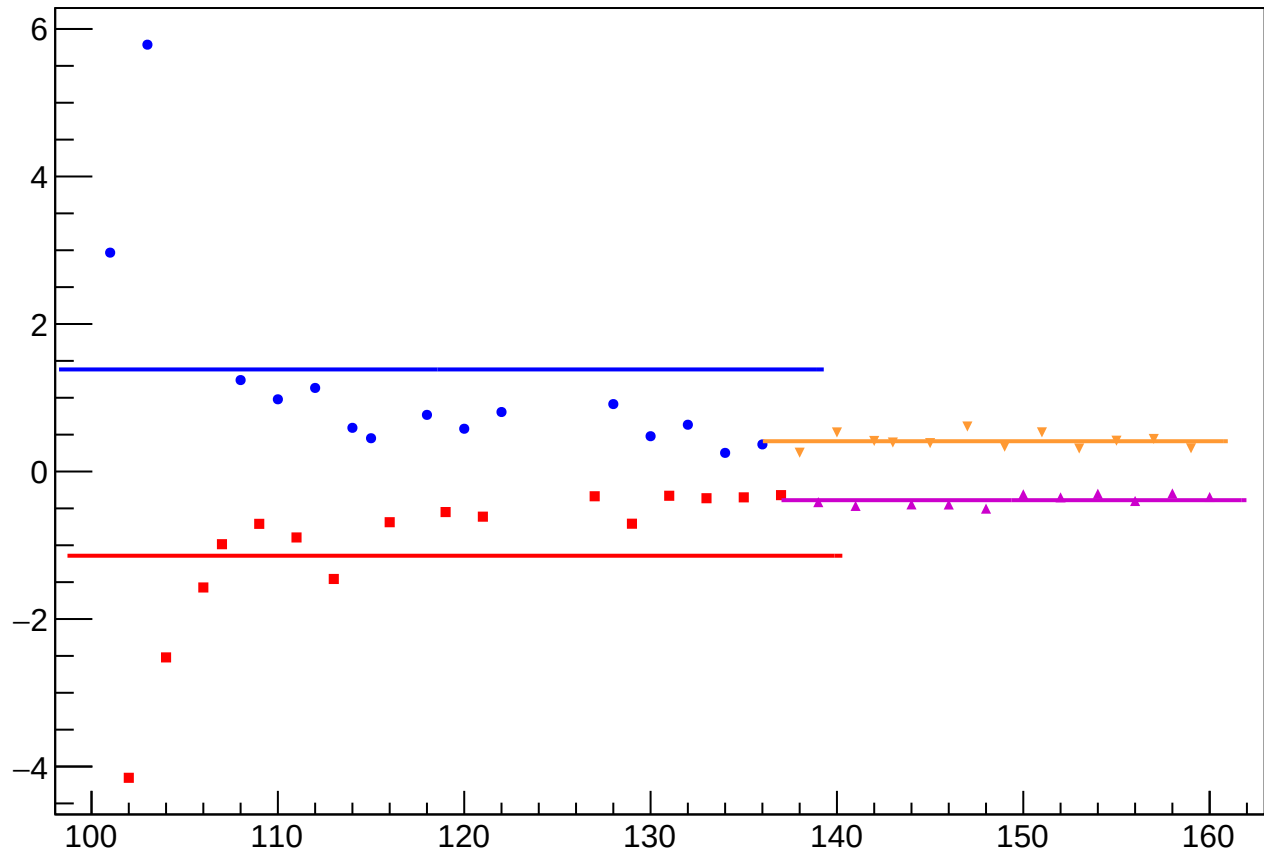
All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_4aY_coil6_mean vs Slug, Sign Corrected



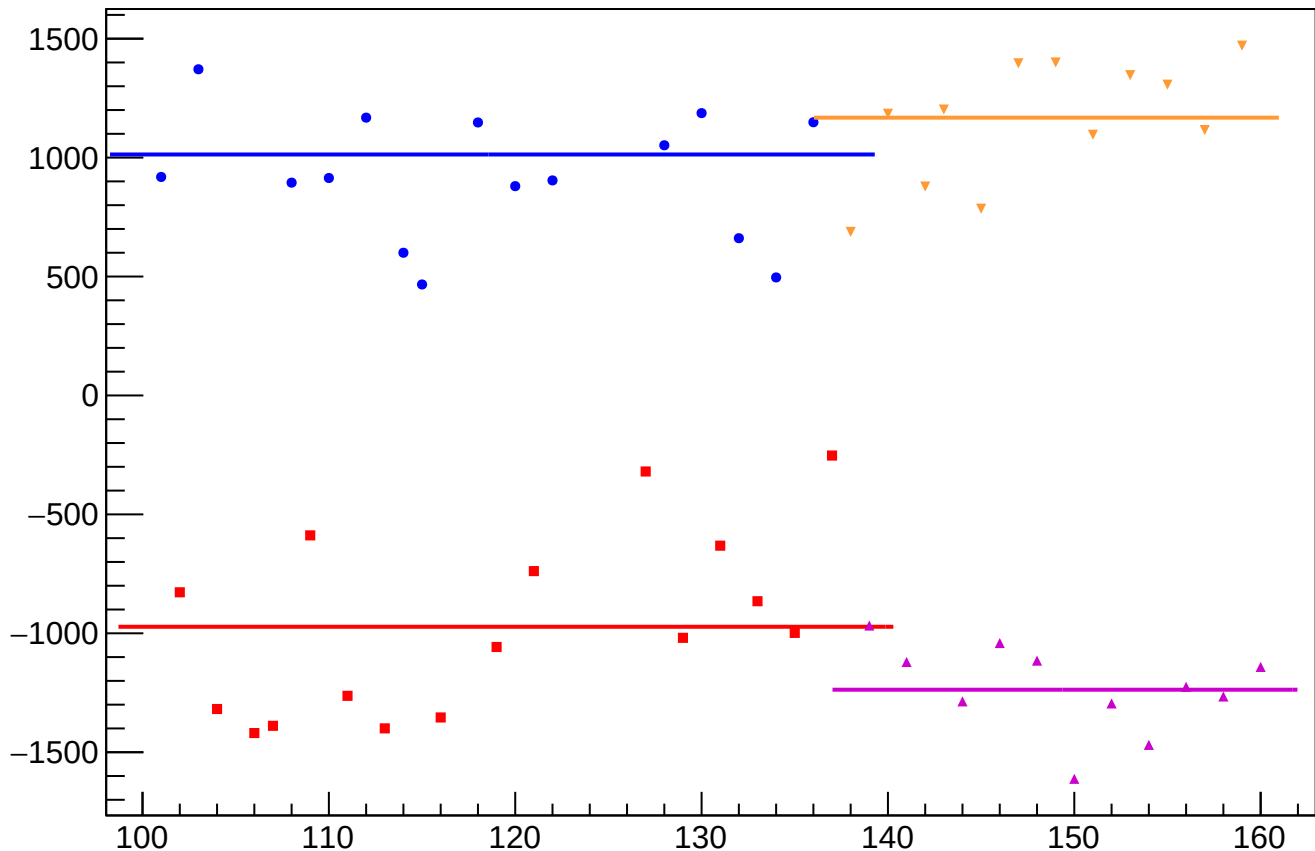
Right In: 22.385 ± 0.000 $\chi^2/\text{NDF}: 1922260860023592637794094183323009024.0/14$
 Left Out: 38.679 ± 0.000 $\chi^2/\text{NDF}: 50075878897811273484787289537118208.0/11$
 Right Out: -18.907 ± 0.000 $\chi^2/\text{NDF}: 2182221808408156293593993992757837824.0/15$
 Left In: -42.386 ± 0.000 $\chi^2/\text{NDF}: 26555660128562986553016927486214144.0/10$
 All: -0.564 ± 0.000 $\chi^2/\text{NDF}: 7775684601059$

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



Right In: 1.384+/-0.000 χ^2/NDF : 1571159324102064120487940936695808.0/14
 Left Out: 0.411+/-0.000 χ^2/NDF : 9428610492078012186649224544256.0/11
 Right Out: -1.142+/-0.000 χ^2/NDF : 810680738285448955223066212827136.0/15
 Left In: -0.389+/-0.000 χ^2/NDF : 4468112130112640641394154668032.0/10
 All: 0.049+/-0.000 χ^2/NDF : 47951501447607

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1167.974+/-0.000

χ^2/NDF : 54610138783870430946405205692756525056.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.161+/-0.000 χ^2/NDF : 2747267695574641

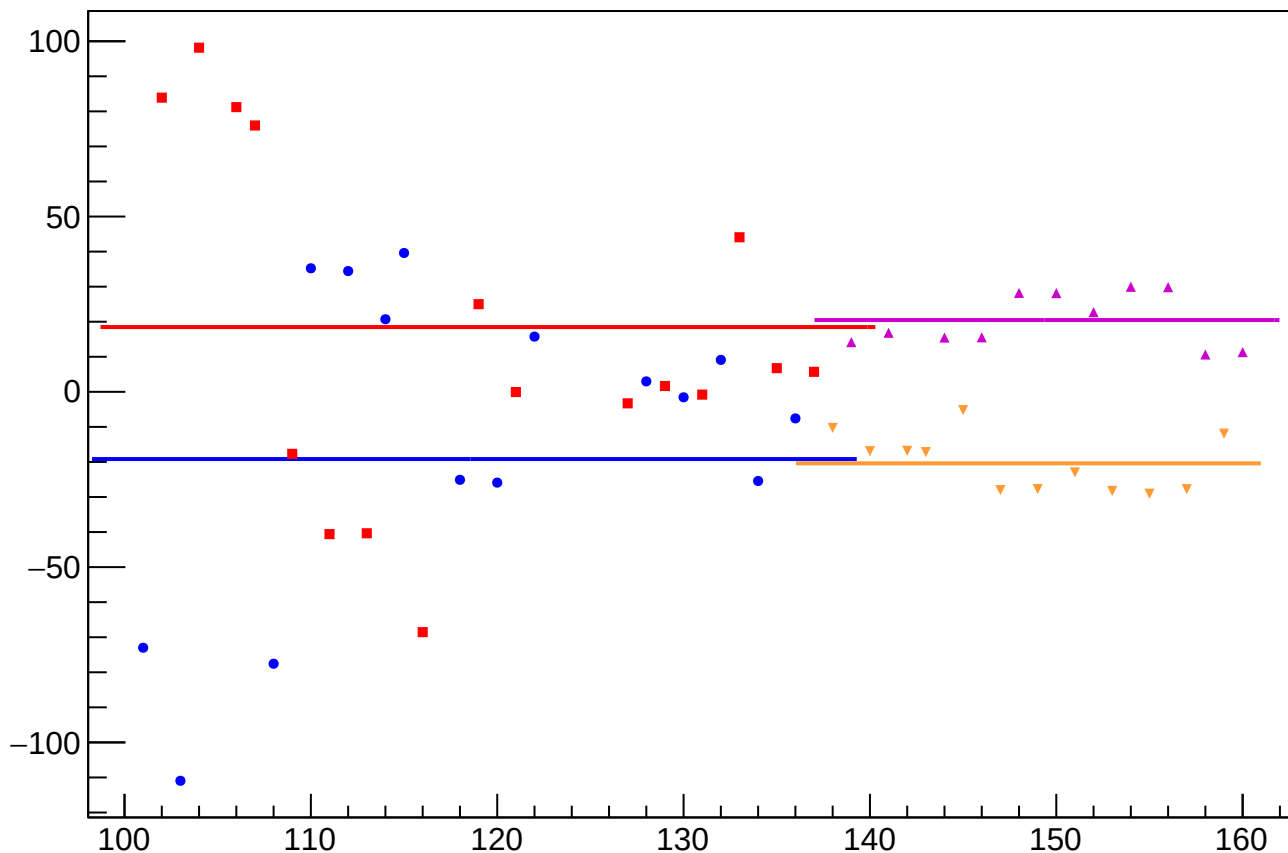
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 266.665+/-0.000 χ^2/NDF : 1902566719354889

All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175 ± 0.000

Left Out: -20.399 ± 0.000

Right Out: 18.479 ± 0.000

Left In: 20.473 ± 0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

χ^2/NDF : 59795874846132016074625786396540928.0/11

χ^2/NDF : 1489398115046175180640331393369374720.0/15

χ^2/NDF : 48484953363349820110348478937300992.0/10

Left: 0.115 ± 0.000 χ^2/NDF : 877117700035024784

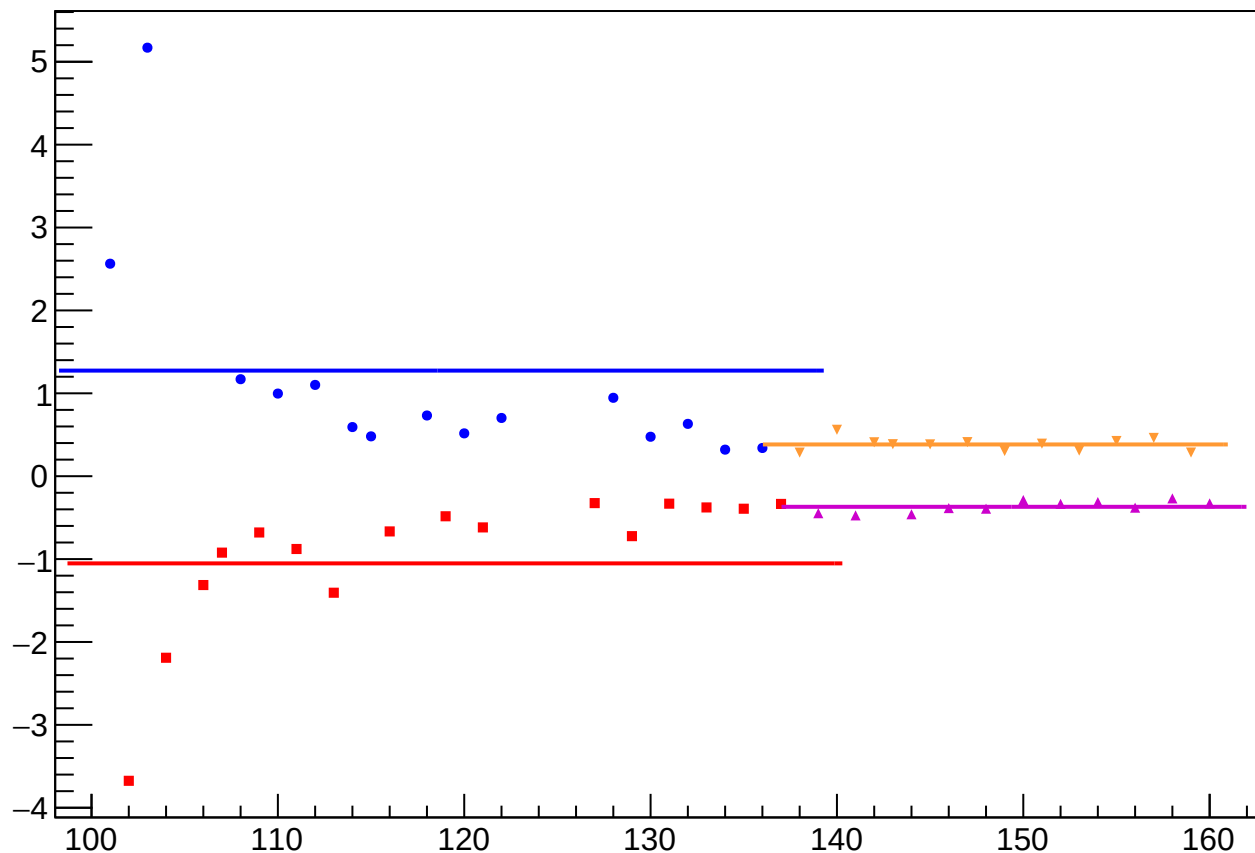
Right: -0.091 ± 0.000 χ^2/NDF : 3202145485356183

In: 4.115 ± 0.000 χ^2/NDF : 1894138593068178389

Out: -4.028 ± 0.000 χ^2/NDF : 21328298353726143

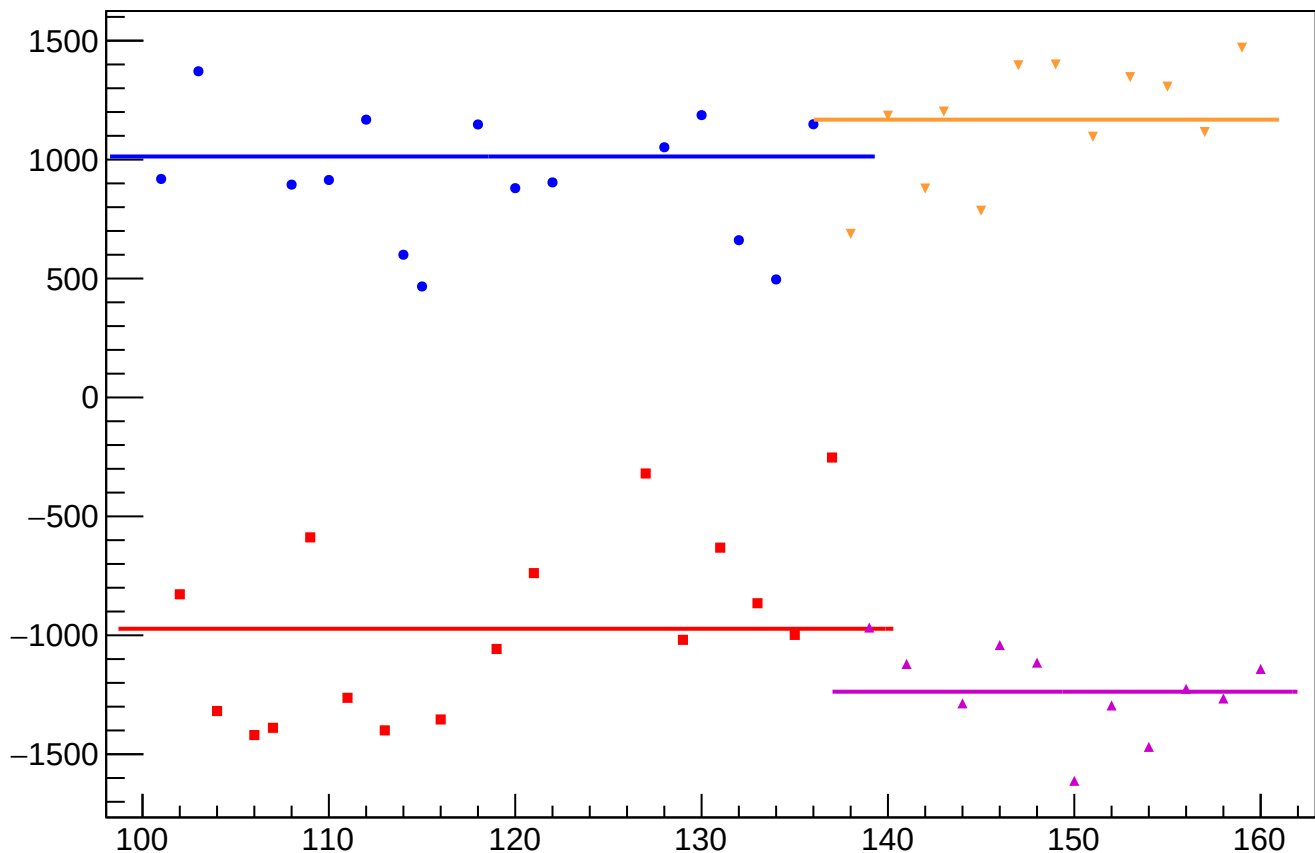
All: 0.029 ± 0.000 χ^2/NDF : 40792955785937

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



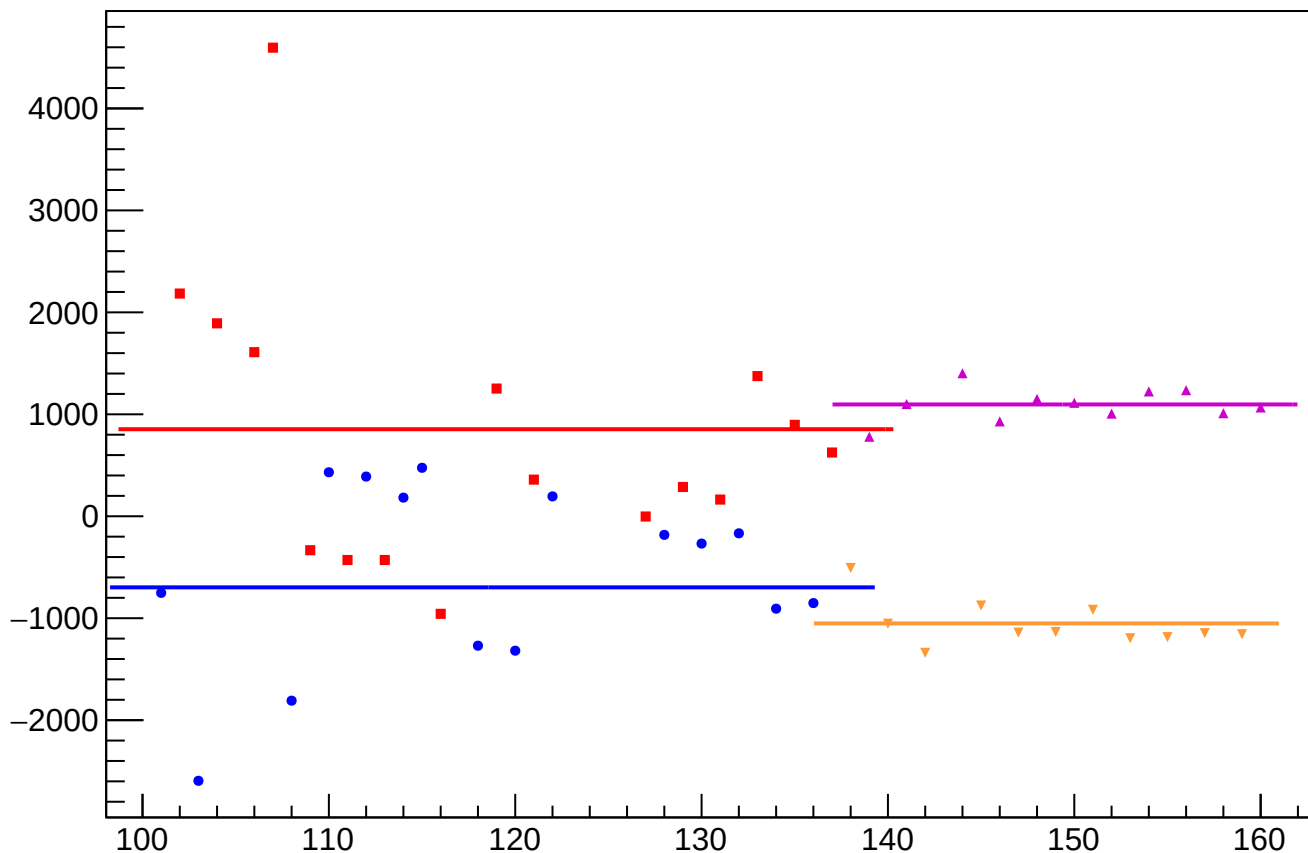
Right In: 1.274+/-0.000 χ^2/NDF : 1212041476631073599154045304438784.0/14
 Left Out: 0.383+/-0.000 χ^2/NDF : 5804905550420528910426527760384.0/11
 Right Out: -1.052+/-0.000 χ^2/NDF : 607316121057753919194559126962176.0/15
 Left In: -0.369+/-0.000 χ^2/NDF : 4166350638848138676707816112128.0/10
 All: 0.043+/-0.000 χ^2/NDF : 38754292019380.0/40

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1050.953+/-0.000

χ^2/NDF : 36829070766461393403765229942747430912.0/10

Right Out: 853.734+/-0.000

χ^2/NDF : 1078379020126412317155932275156201766912.0/15

Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

Left: 67.567+/-0.000 χ^2/NDF : 21019070603536878

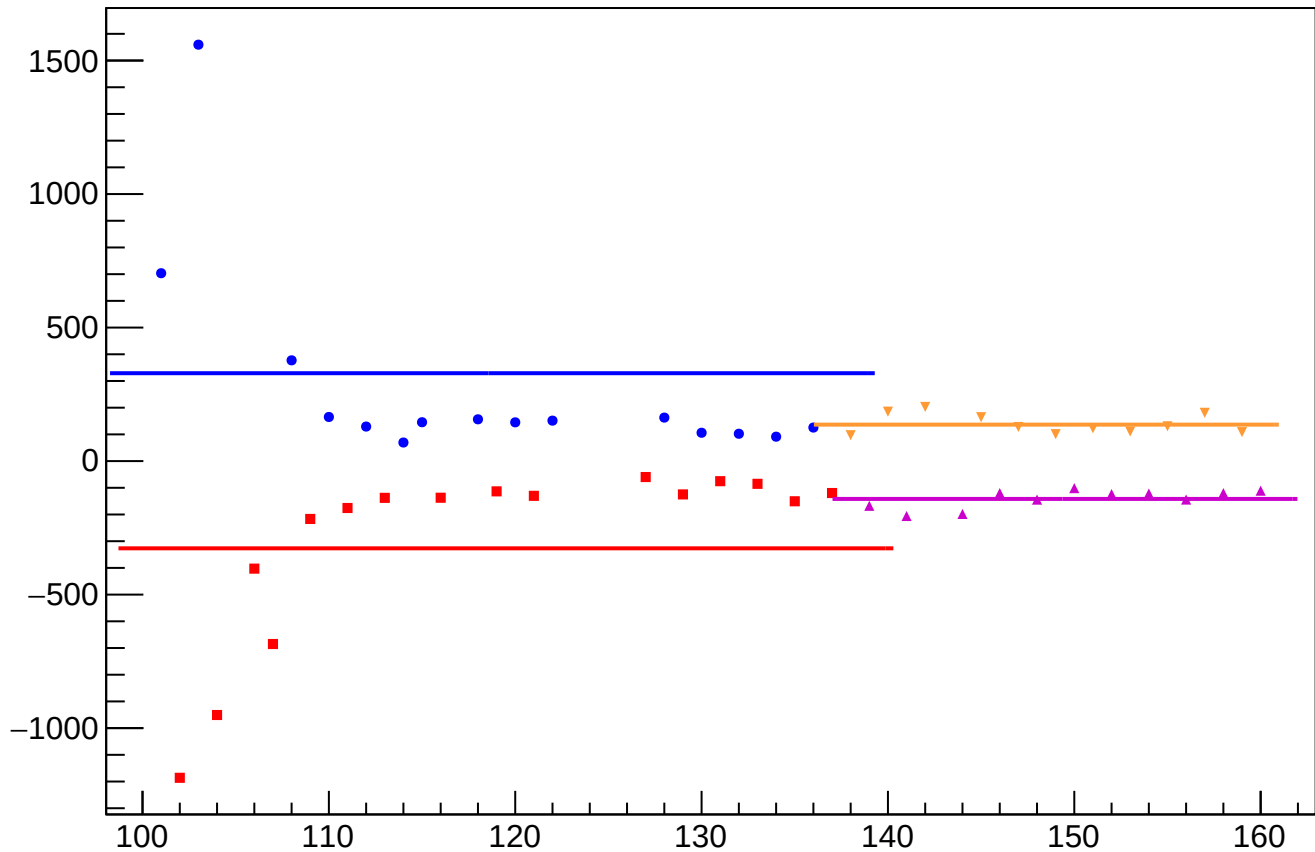
Right: 88.833+/-0.000 χ^2/NDF : 2360125827736184

In: 356.413+/-0.000 χ^2/NDF : 17405137132721450

Out: -213.493+/-0.000 χ^2/NDF : 247104056165344

All: 76.624+/-0.000 χ^2/NDF : 4462374559981

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 329.108+/-0.000

χ^2/NDF : 116863820700538623524207945698672377856.0/14

Left Out: 136.529+/-0.000

χ^2/NDF : 986372818283314141100082094359445504.0/10

Right Out: -326.695+/-0.000

χ^2/NDF : 87569123354318020688611028415151079424.0/15

Left In: -141.688+/-0.000

χ^2/NDF : 1044882408057849194081424130600599552.0/10

Left: -8.382+/-0.000 χ^2/NDF : 36300457914092733

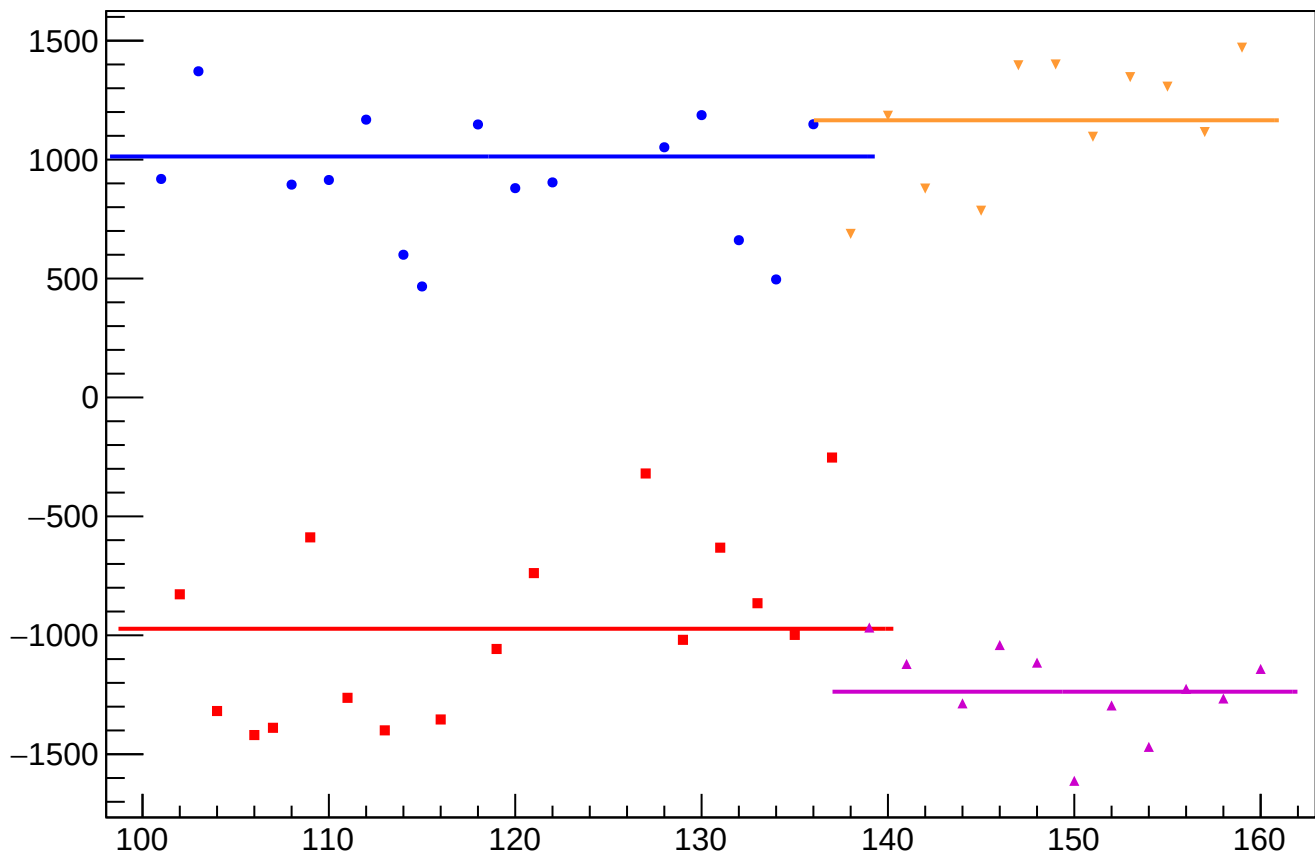
Right: -3.278+/-0.000 χ^2/NDF : 3459018192319126

In: 52.557+/-0.000 χ^2/NDF : 202408036379918354

Out: -67.143+/-0.000 χ^2/NDF : 1687492144222724

All: -6.209+/-0.000 χ^2/NDF : 3822219588466

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1165.293+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 54526526454727326957619493827495591936.0/10

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -86.036+/-0.000 χ^2/NDF : 2640160013842335

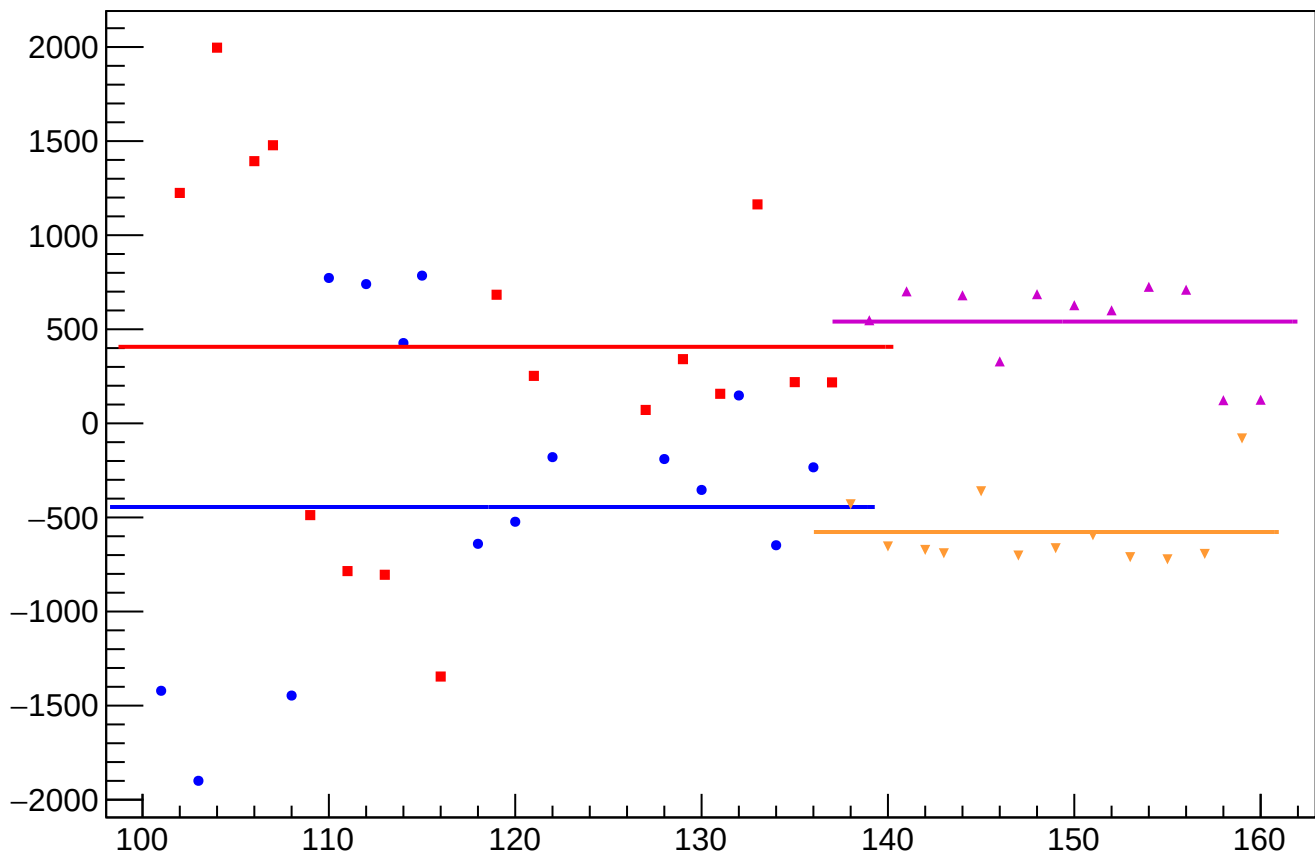
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 225.356+/-0.000 χ^2/NDF : 1841364871454332

All: -46.515+/-0.000 χ^2/NDF : 405416159509

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512 +/- 0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left Out: -577.377 +/- 0.000

χ^2/NDF : 33181983455831153585838816290043592704.0/11

Right Out: 406.729 +/- 0.000

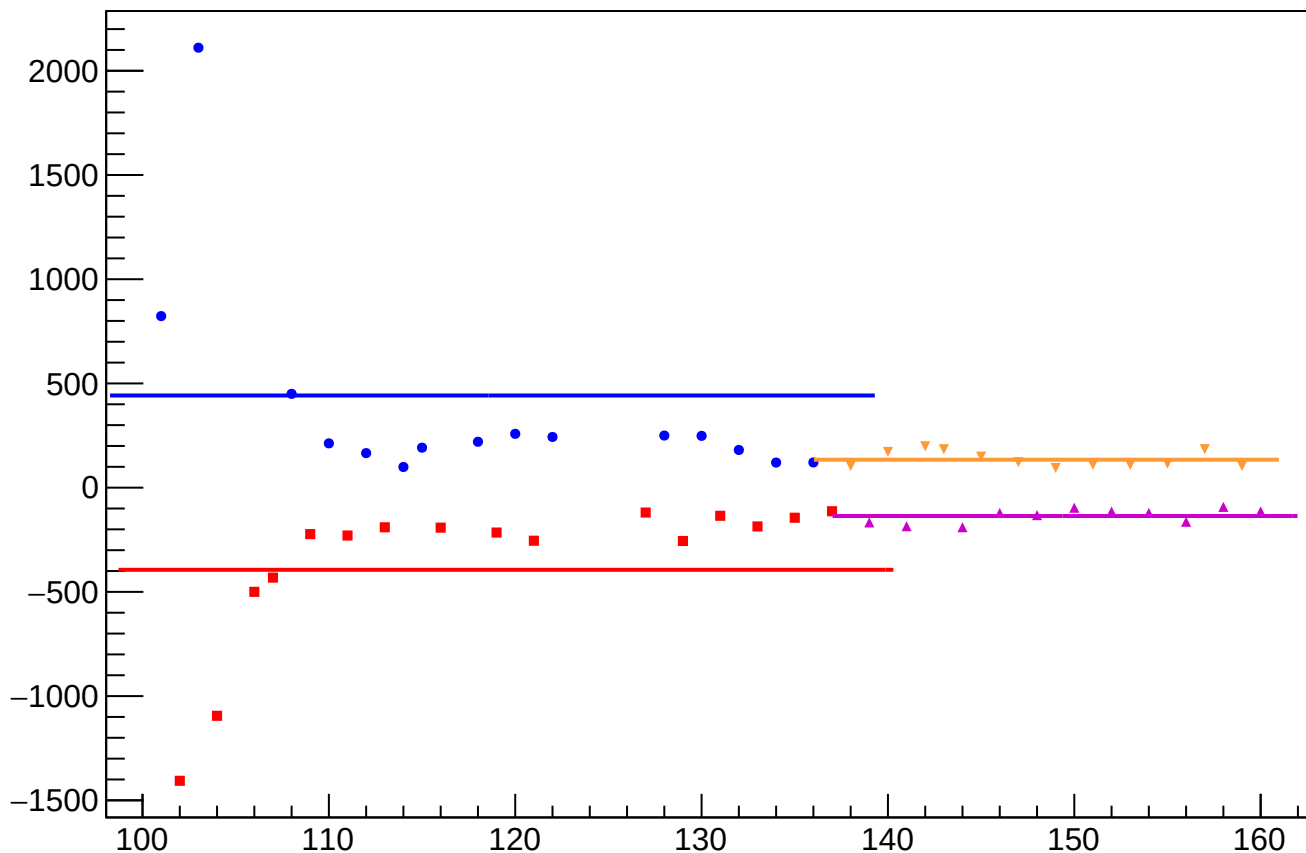
χ^2/NDF : 529122421866774810012941782239129108480.0/15

Left In: 540.842 +/- 0.000

χ^2/NDF : 42670193317497817911030367466366697472.0/10

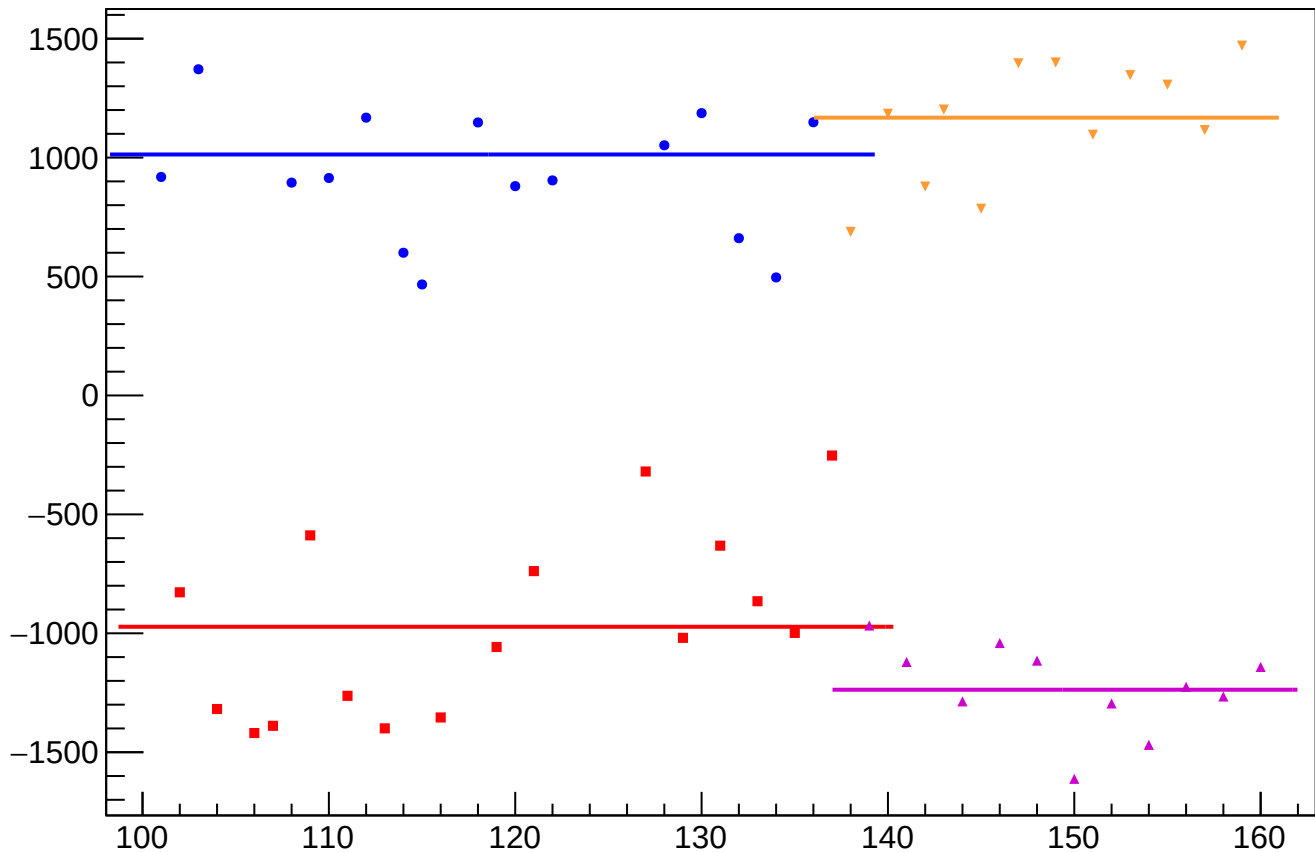
All: -14.861 +/- 0.000 χ^2/NDF : 181531095518

dit_usr_coil6_err_mean vs Slug, Sign Corrected



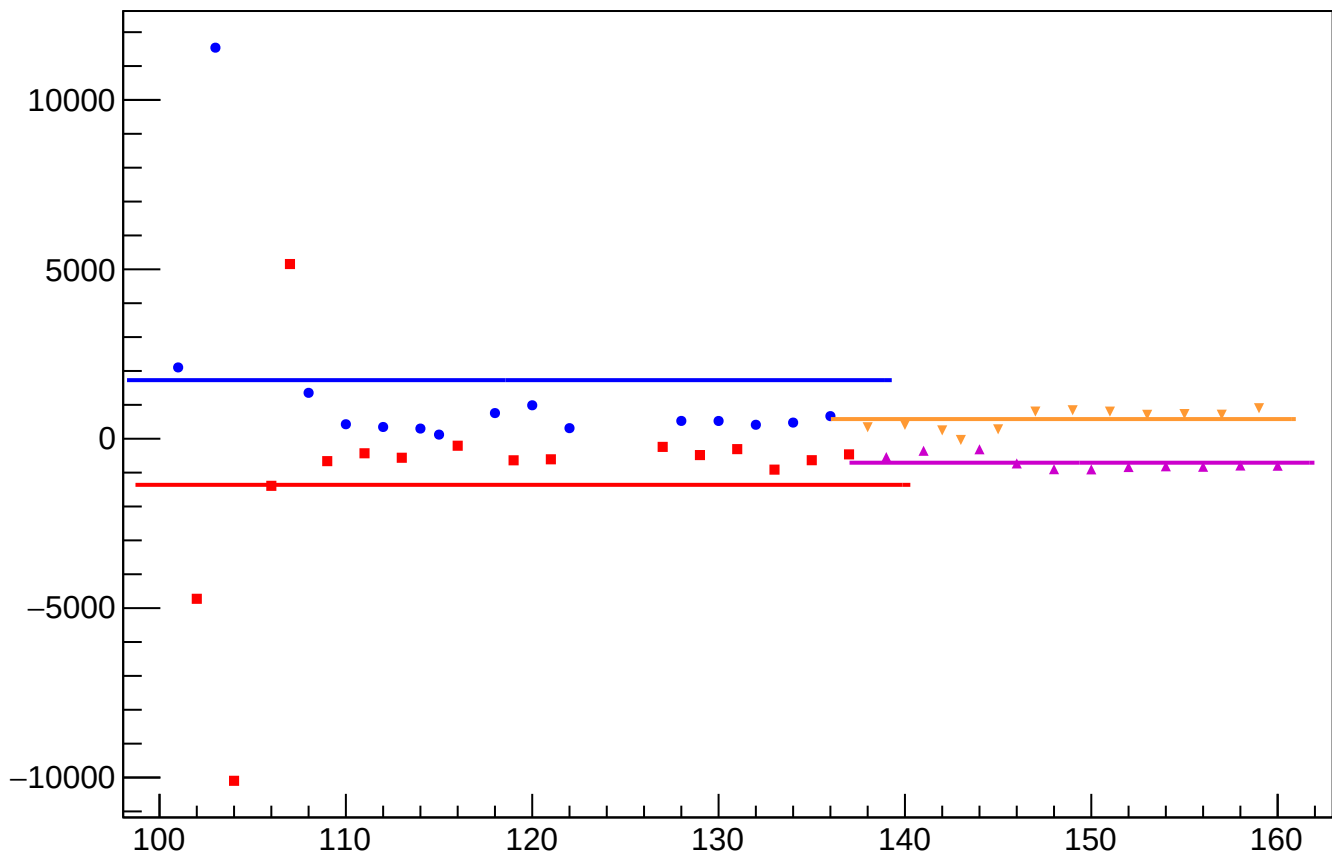
Right In: 442.162+/-0.000 χ^2/NDF : 204015999343694089140945697316947361792.0/14
 Left Out: 134.122+/-0.000 χ^2/NDF : 1108150296028178587463342476455051264.0/11
 Right Out: -394.033+/-0.000 χ^2/NDF : 105882611624182009489804426207740035072.0/15
 Left In: -136.040+/-0.000 χ^2/NDF : 1011093061479650527261127450495549440.0/10
 All: 6.789+/-0.000 χ^2/NDF : 57591258624057

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



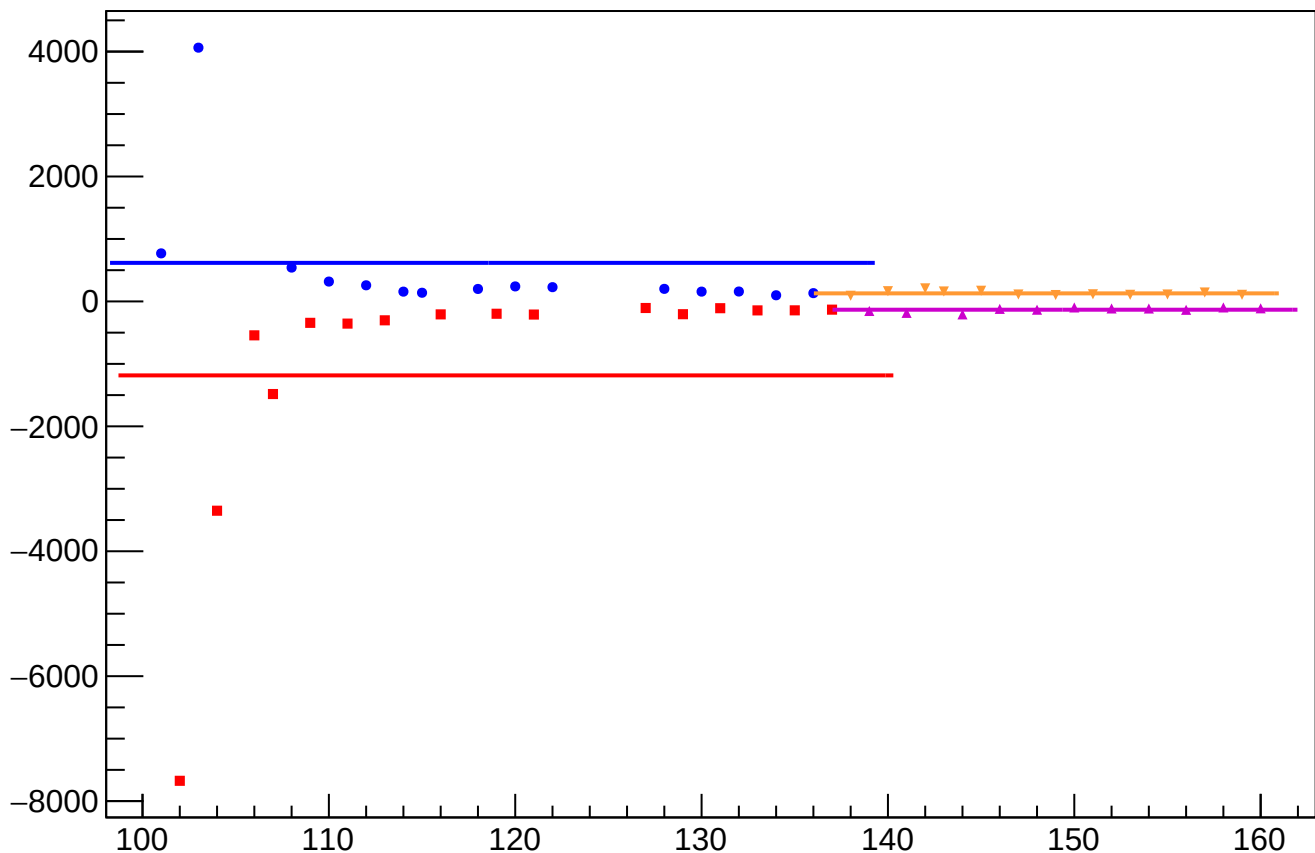
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atl1_coil6_mean vs Slug, Sign Corrected



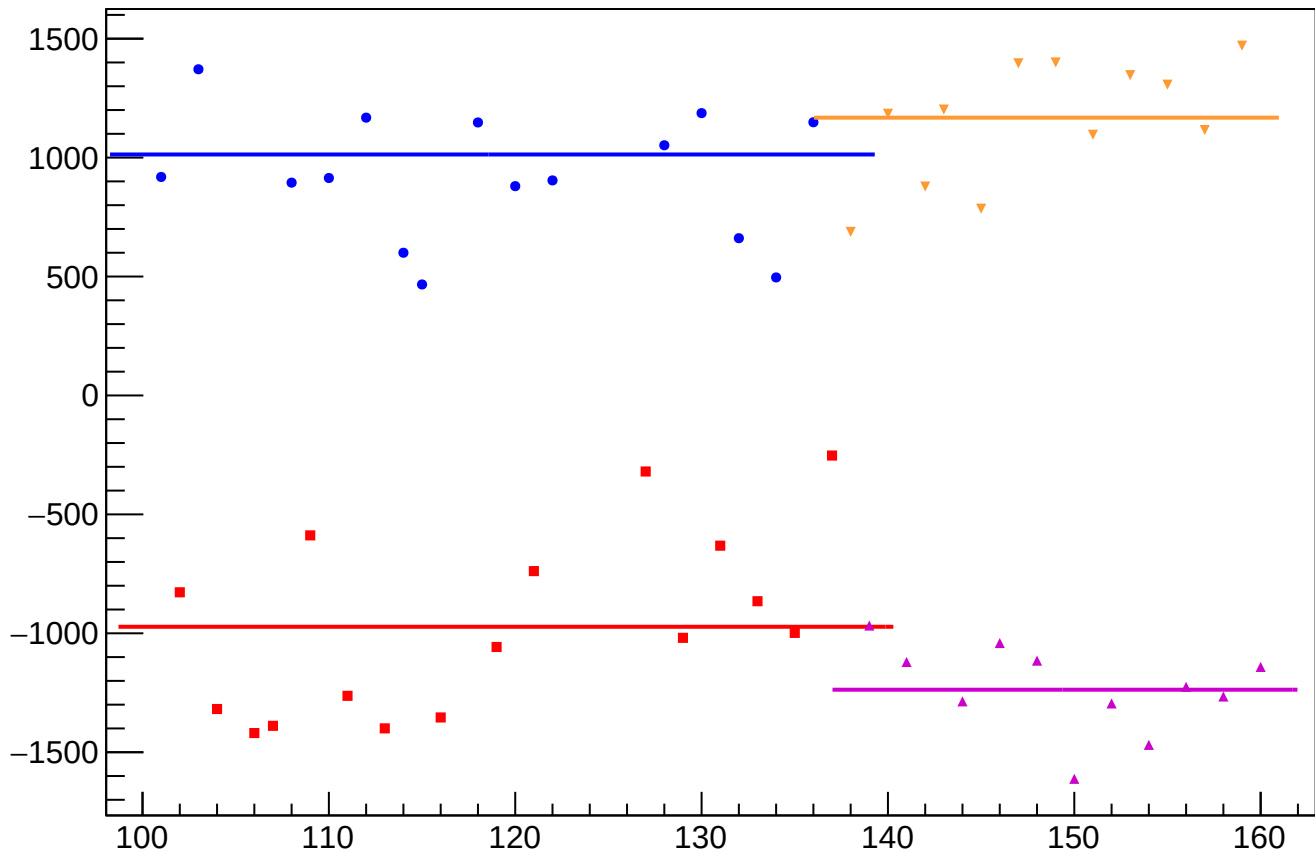
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 580.248+/-0.000 χ^2/NDF : 70857978434076624009429979212728500224.0/11
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -707.889+/-0.000 χ^2/NDF : 38116486188817980699032426002432131072.0/10
 All: 29.268+/-0.000 χ^2/NDF : 1689828119221

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



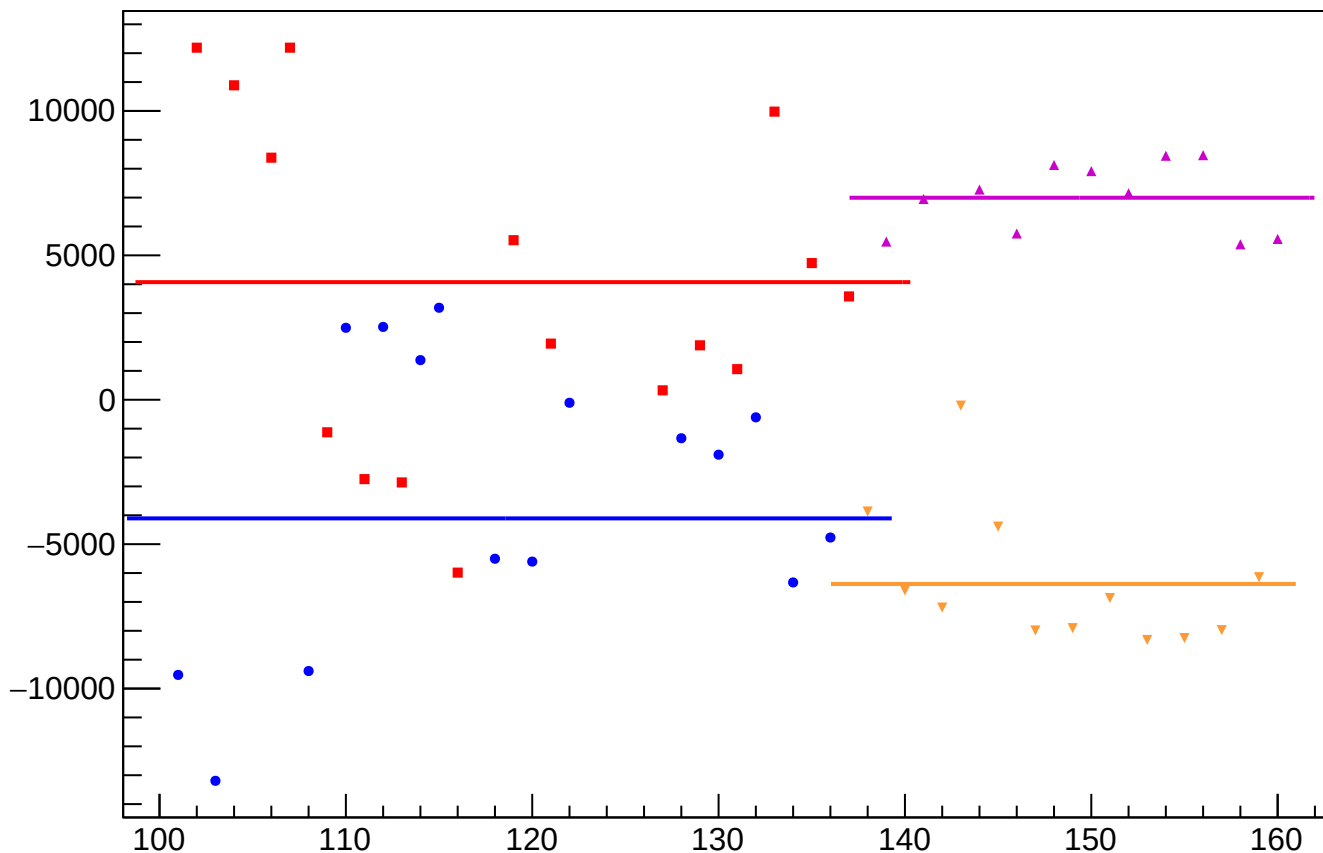
Right In: 617.343+/-0.000 χ^2/NDF : 792366012985954198345317750268755968000.0/14
 Left Out: 128.916+/-0.000 χ^2/NDF : 946446281889996410736335590619348992.0/11
 Right Out: -1184.322+/-0.000 χ^2/NDF : 3167423043121242666563535820496559931392.0/15
 Left In: -132.869+/-0.000 χ^2/NDF : 1091839085664014112201463155711279104.0/10
 All: -124.752+/-0.000 χ^2/NDF : 51271351902

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6377.972+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4622591154954588275207693526333594271744.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 333.844+/-0.000 χ^2/NDF : 8816027635045107

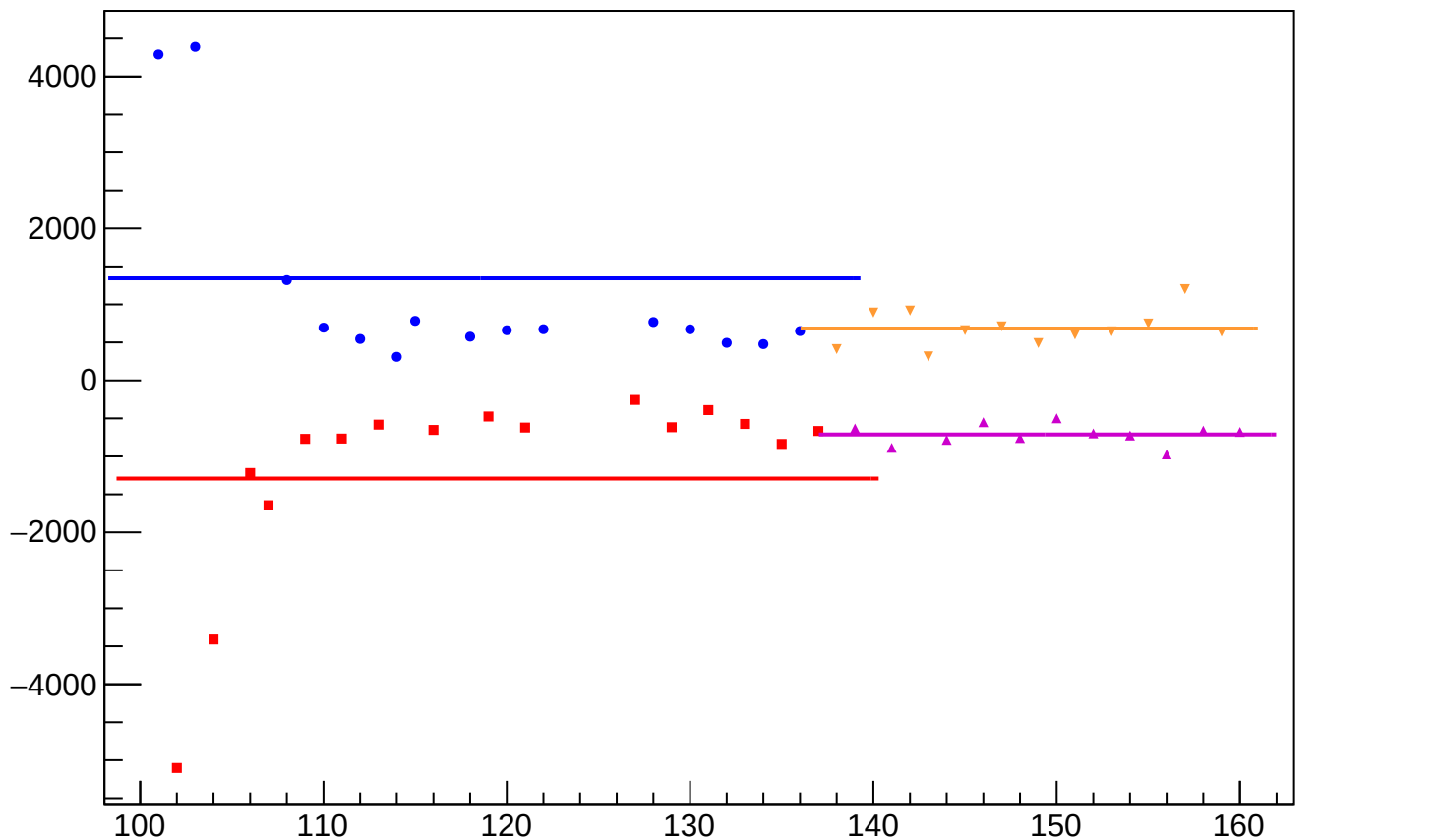
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1977.586+/-0.000 χ^2/NDF : 67157489974478

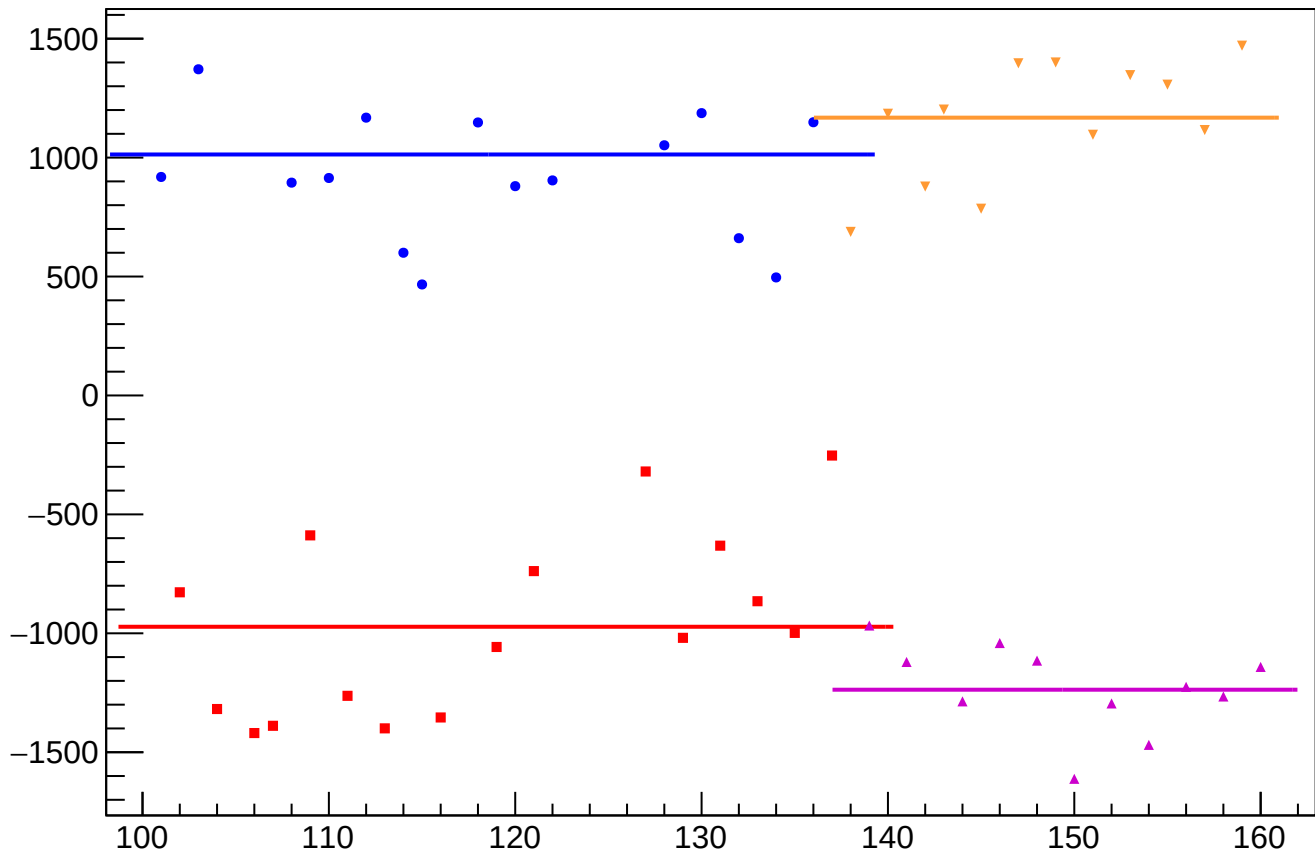
All: 210.636+/-0.000 χ^2/NDF : 145129632004

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



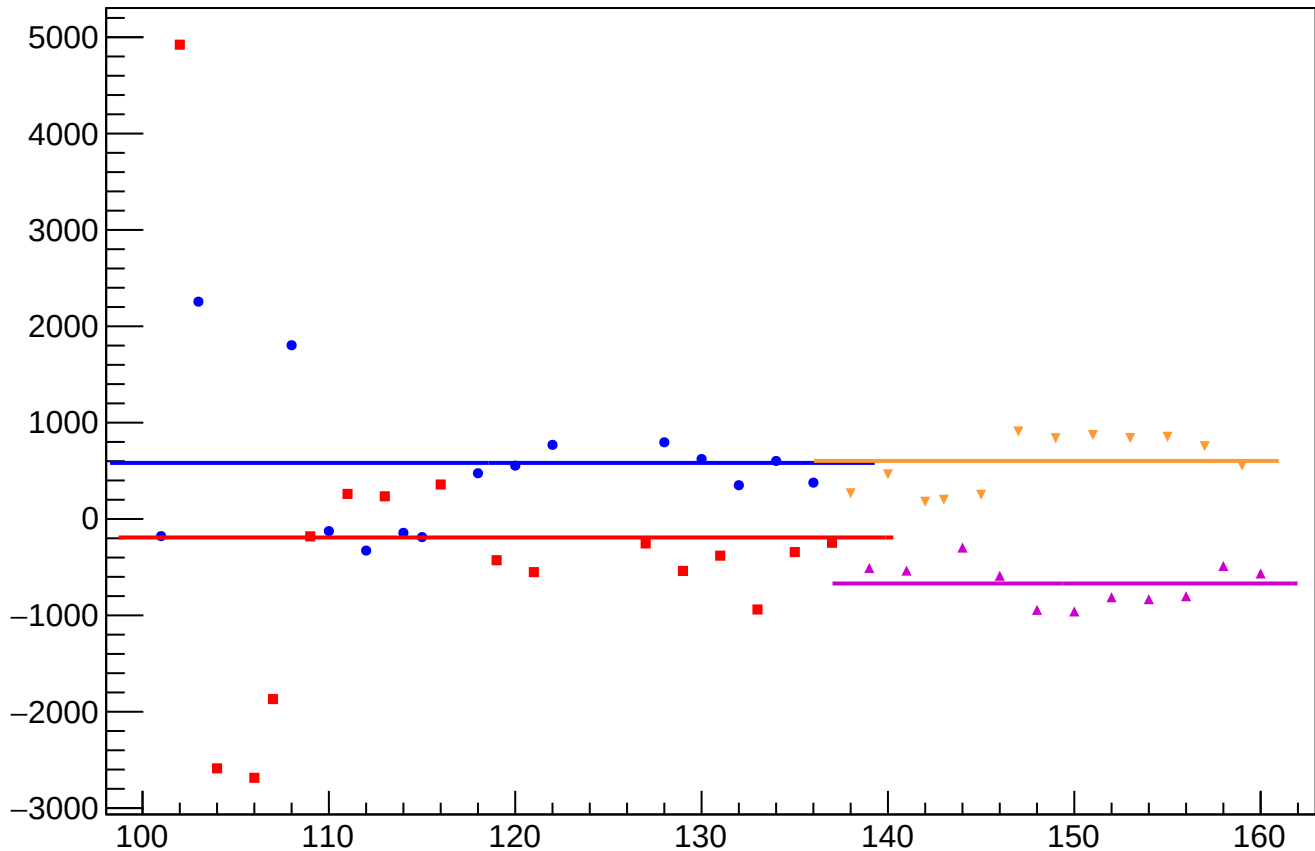
Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 683.065+/-0.000 χ^2/NDF : 46379995695844949663521519572812300288.0/11
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726+/-0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.676+/-0.000 χ^2/NDF : 5883243958670

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 603.094+/-0.000

χ^2/NDF : 68810038419463001004878574988679970816.0/11

Right Out: -191.587+/-0.000

χ^2/NDF : 2168762120552346223416743005020716269568.0/15

Left In: -669.155+/-0.000

χ^2/NDF : 39481195240563617253842230522616479744.0/10

Left: -35.449+/-0.000 χ^2/NDF : 8532502457359131

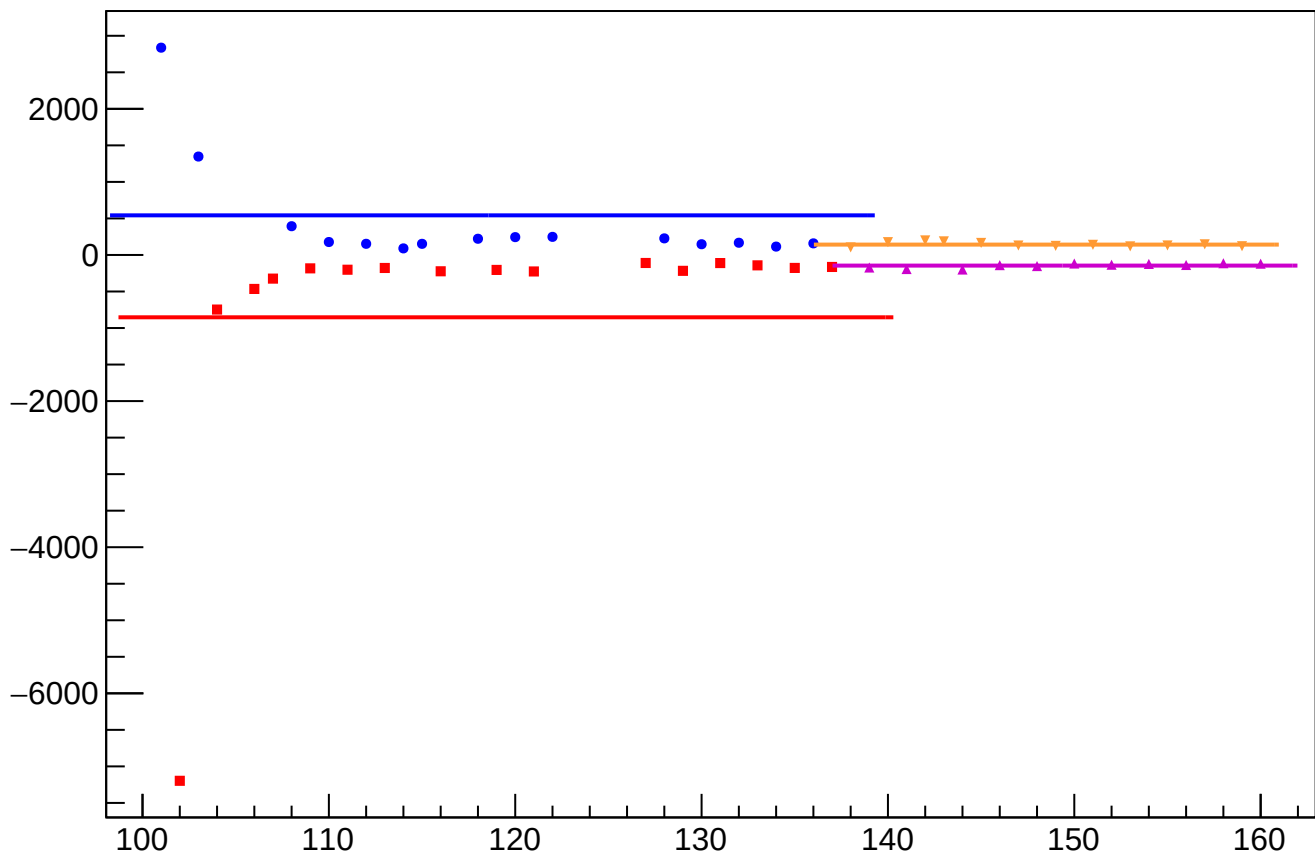
Right: 190.108+/-0.000 χ^2/NDF : 270460615635385

In: -152.784+/-0.000 χ^2/NDF : 9754243982311555

Out: 268.465+/-0.000 χ^2/NDF : 2481424308915495

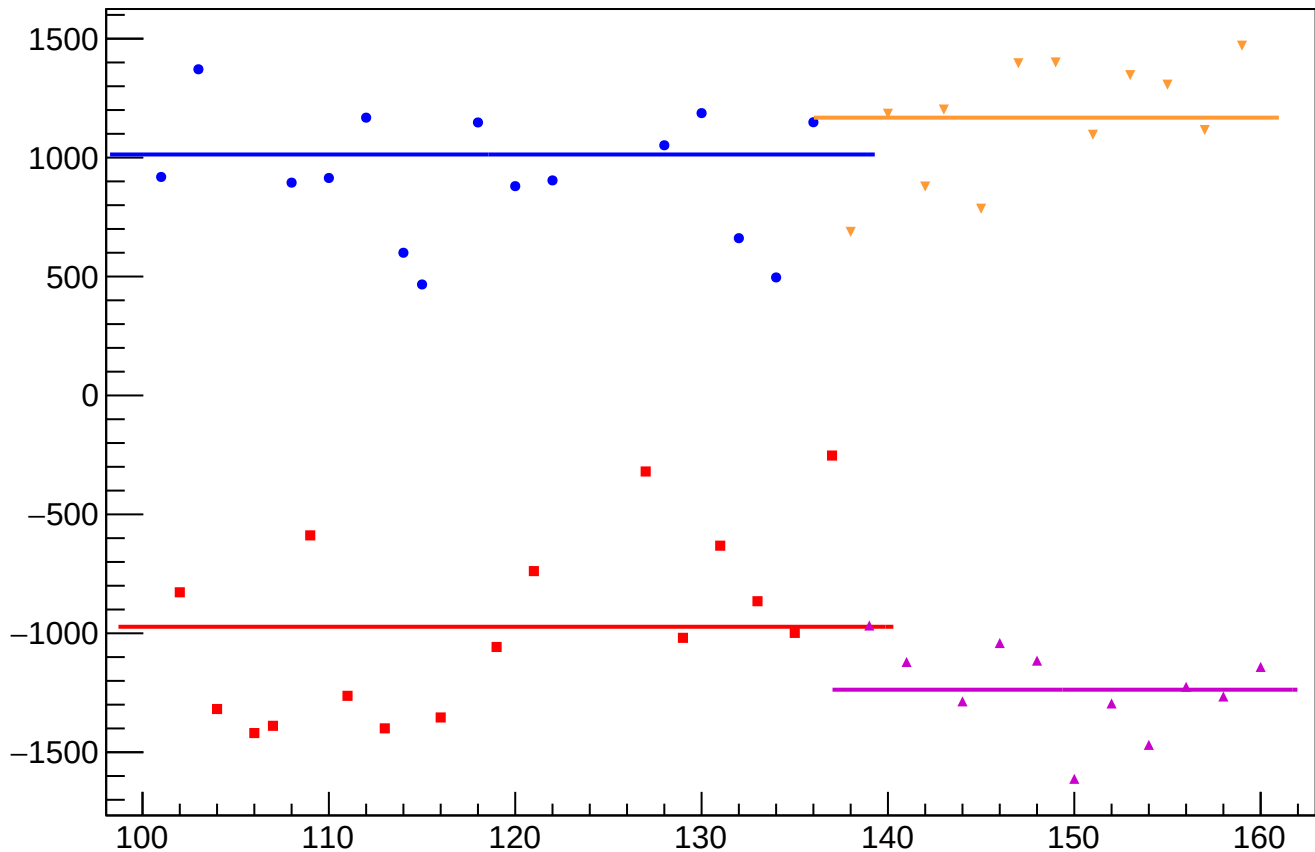
All: 58.575+/-0.000 χ^2/NDF : 3596899884721

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



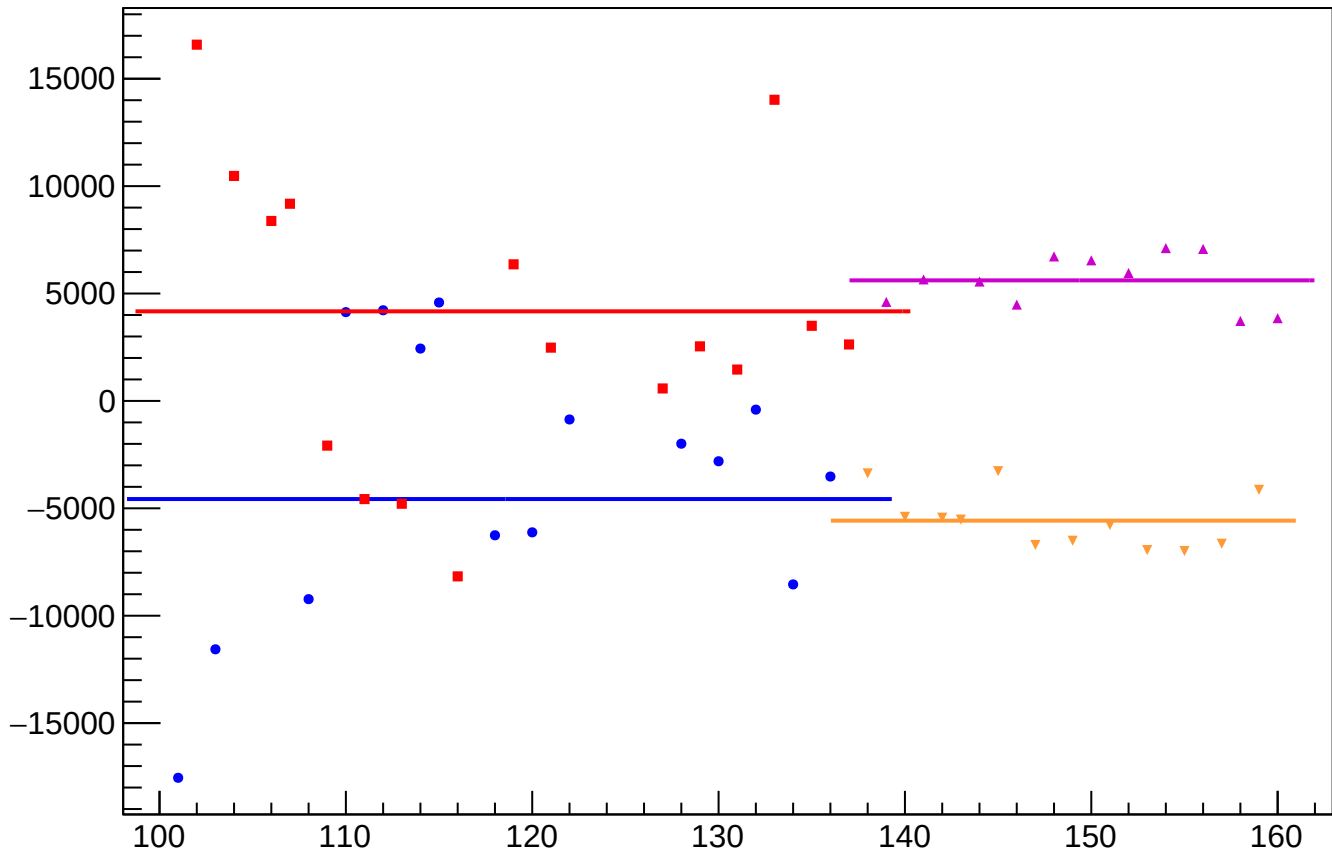
Left: -2.363 +/- 0.000 χ^2/NDF : 39465135103826480
 Right In: 542.328 +/- 0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Right: -164.982 +/- 0.000 χ^2/NDF : 36290648240362
 Left Out: 141.867 +/- 0.000 χ^2/NDF : 675701485078594006846282081211777024.0/11
 In: 138.288 +/- 0.000 χ^2/NDF : 5955245908966435
 Right Out: -853.203 +/- 0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Out: -277.143 +/- 0.000 χ^2/NDF : 295709043506187
 Left In: -145.502 +/- 0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.151 +/- 0.000 χ^2/NDF : 368882425713

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297+/-0.000

Left Out: -5574.062+/-0.000

Right Out: 4170.773+/-0.000

Left In: 5613.024+/-0.000

χ^2/NDF : 24195052148165719540713110921977756909568.0/14

χ^2/NDF : 1562689011038892047530316656159376801792.0/11

χ^2/NDF : 30967248832187912041113909559481103024128.0/15

χ^2/NDF : 1272210659936261957248133173503170969600.0/10

Left: 40.749+/-0.000 χ^2/NDF : 60434762457962986

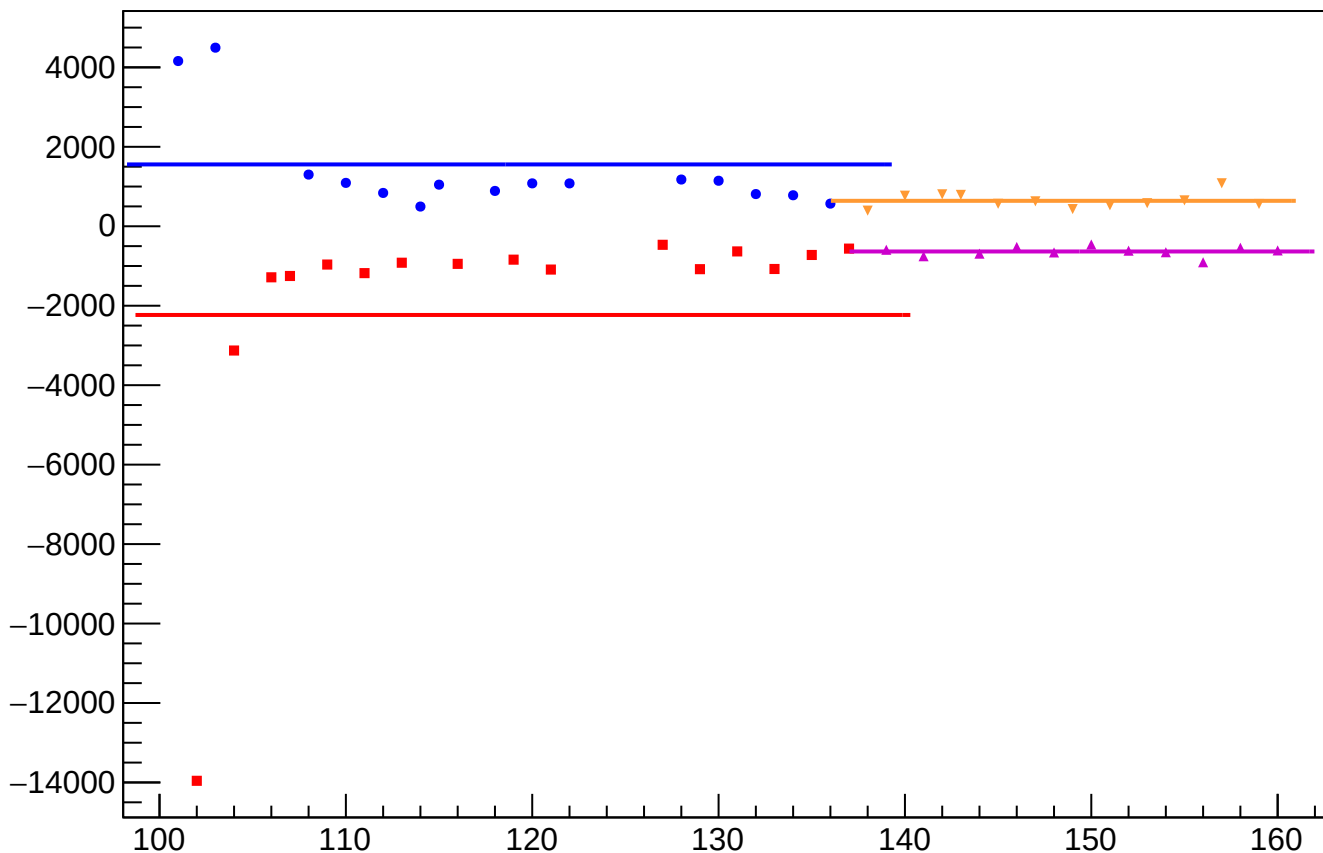
Right: -138.996+/-0.000 χ^2/NDF : 80283768430562

In: 1412.339+/-0.000 χ^2/NDF : 6498537450862054

Out: -1470.650+/-0.000 χ^2/NDF : 69198079726884

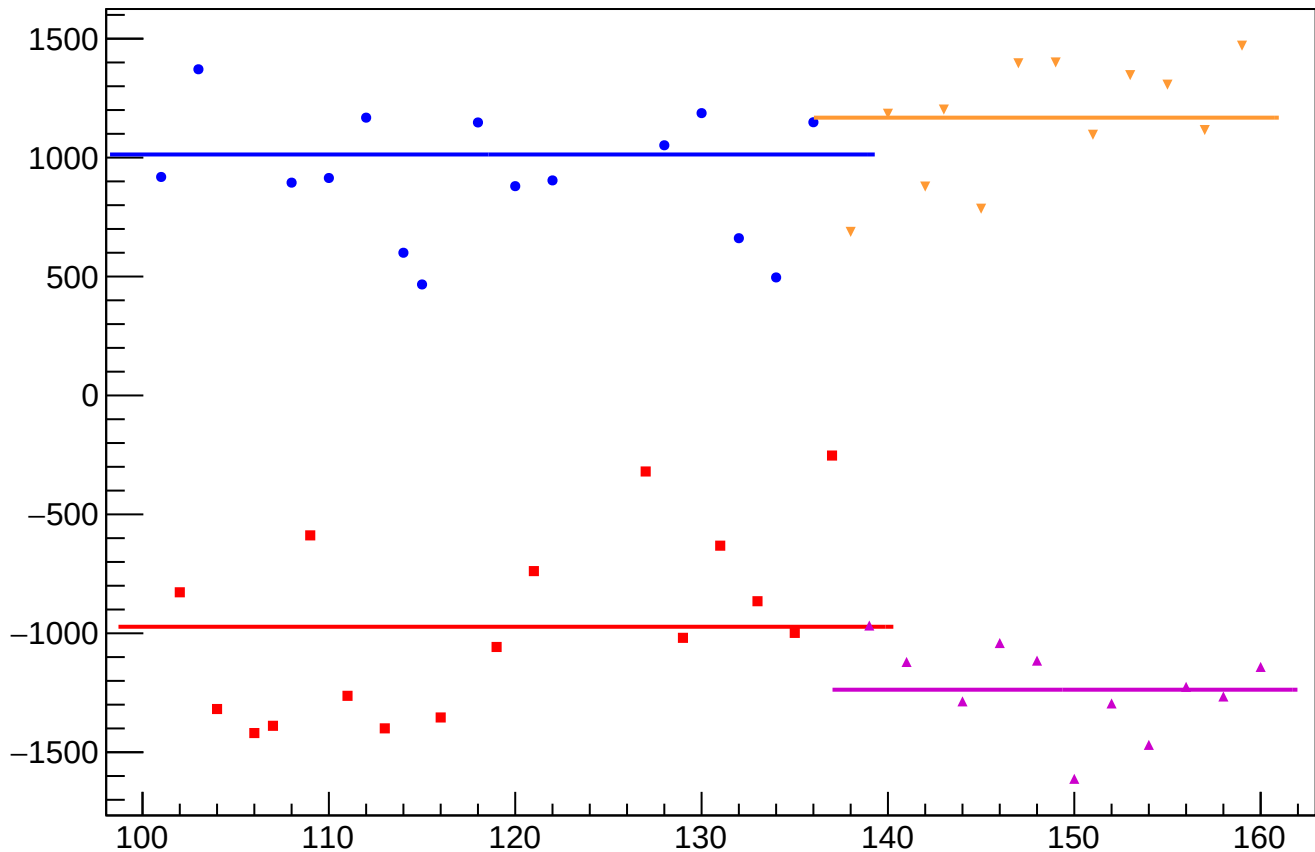
All: -34.178+/-0.000 χ^2/NDF : 140743325235

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



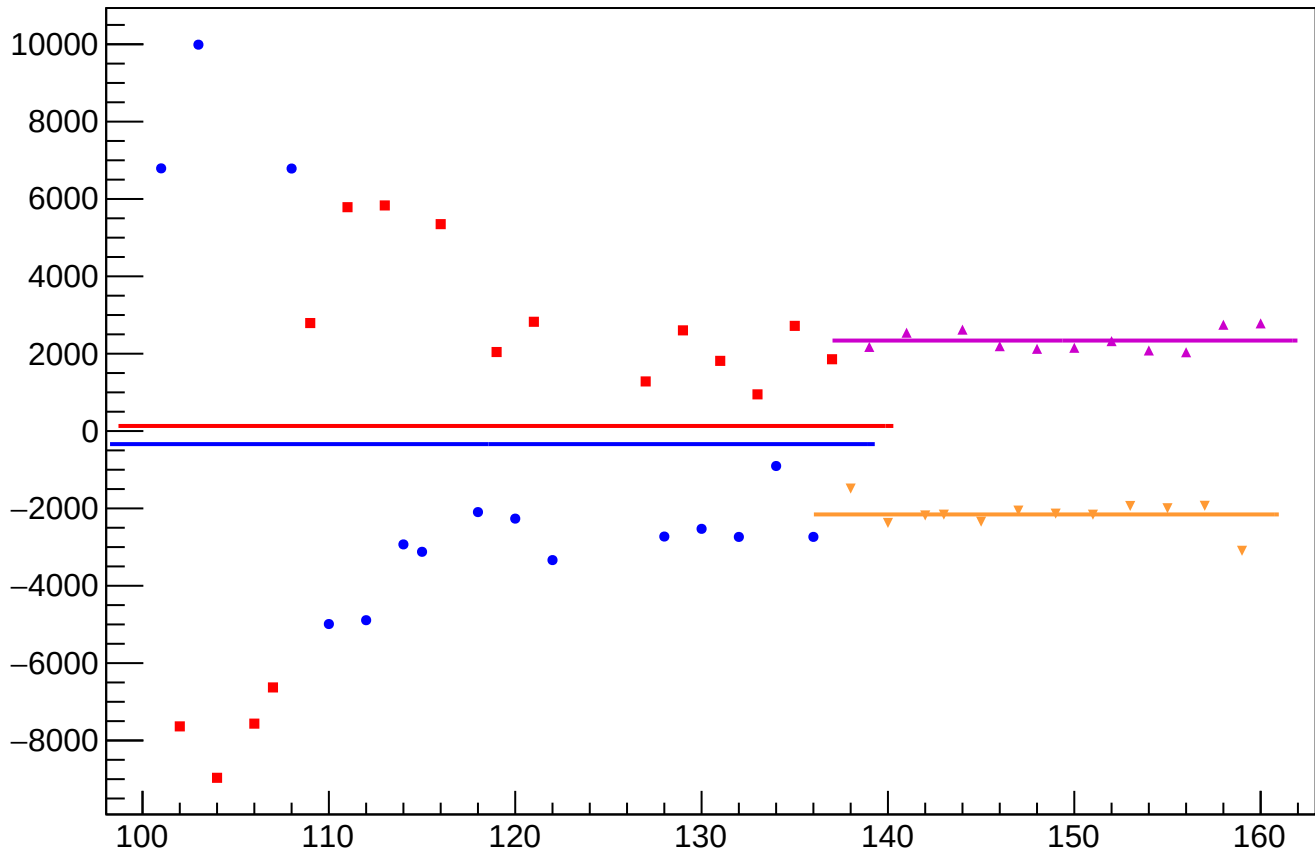
Right In: 1556.763+/-0.000 χ^2/NDF : 1139364239218600567191855131756930793472.0/14
 Left Out: 640.537+/-0.000 χ^2/NDF : 30170658754052148161516421209078628352.0/11
 Right Out: -2232.520+/-0.000 χ^2/NDF : 8990395725533930134878595569706942332928.0/15
 Left In: -634.562+/-0.000 χ^2/NDF : 12308442809403031190669556314642841600.0/10
 All: -151.319+/-0.000 χ^2/NDF : 15745535333

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865 ± 0.000

χ^2/NDF : 15152515933007079891661097940762081886208.0/14

Left Out: -2155.781 ± 0.000

χ^2/NDF : 123219365127325232212410930135251812352.0/11

Right Out: 131.545 ± 0.000

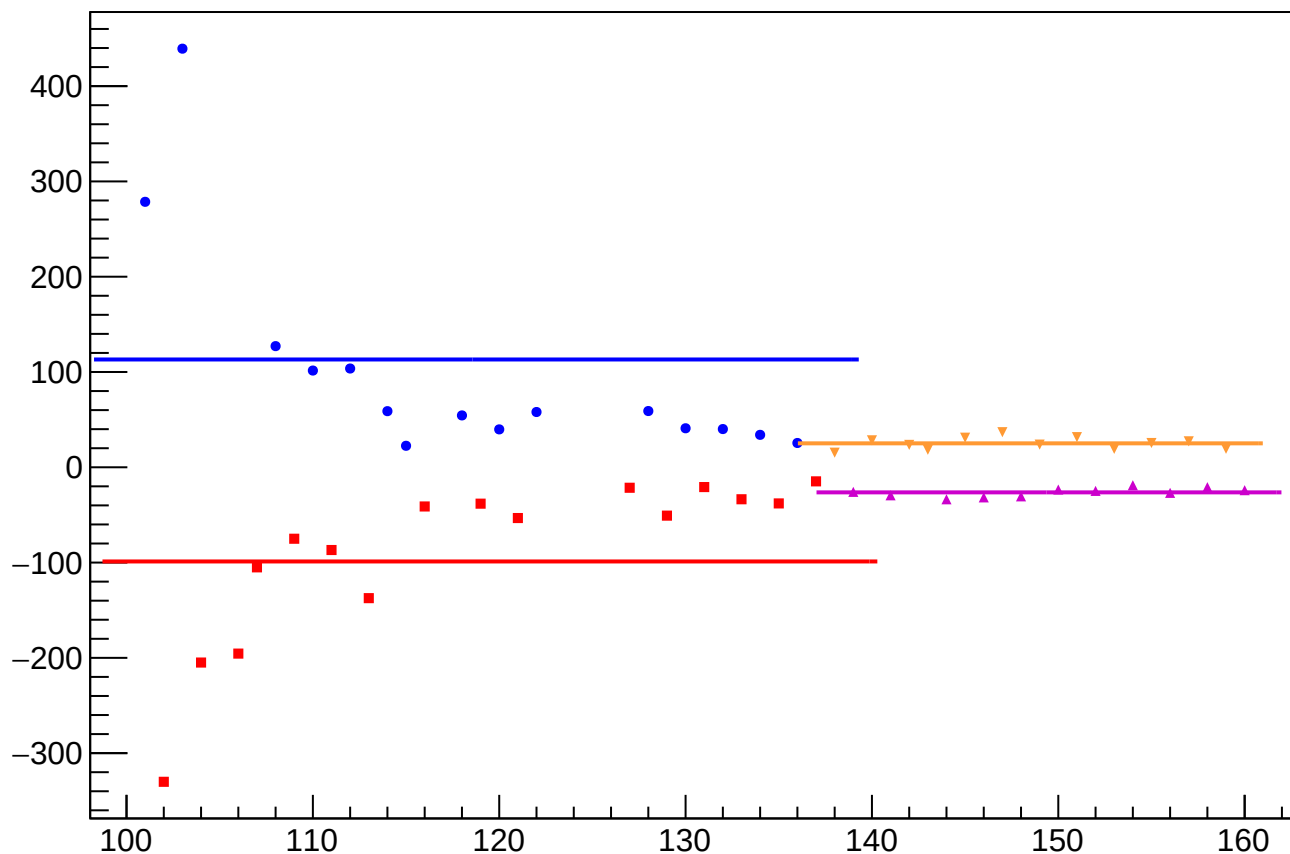
χ^2/NDF : 16473217651078877976377424419956902068224.0/15

Left In: 2339.639 ± 0.000

χ^2/NDF : 62860144247456957543810906284181422080.0/10

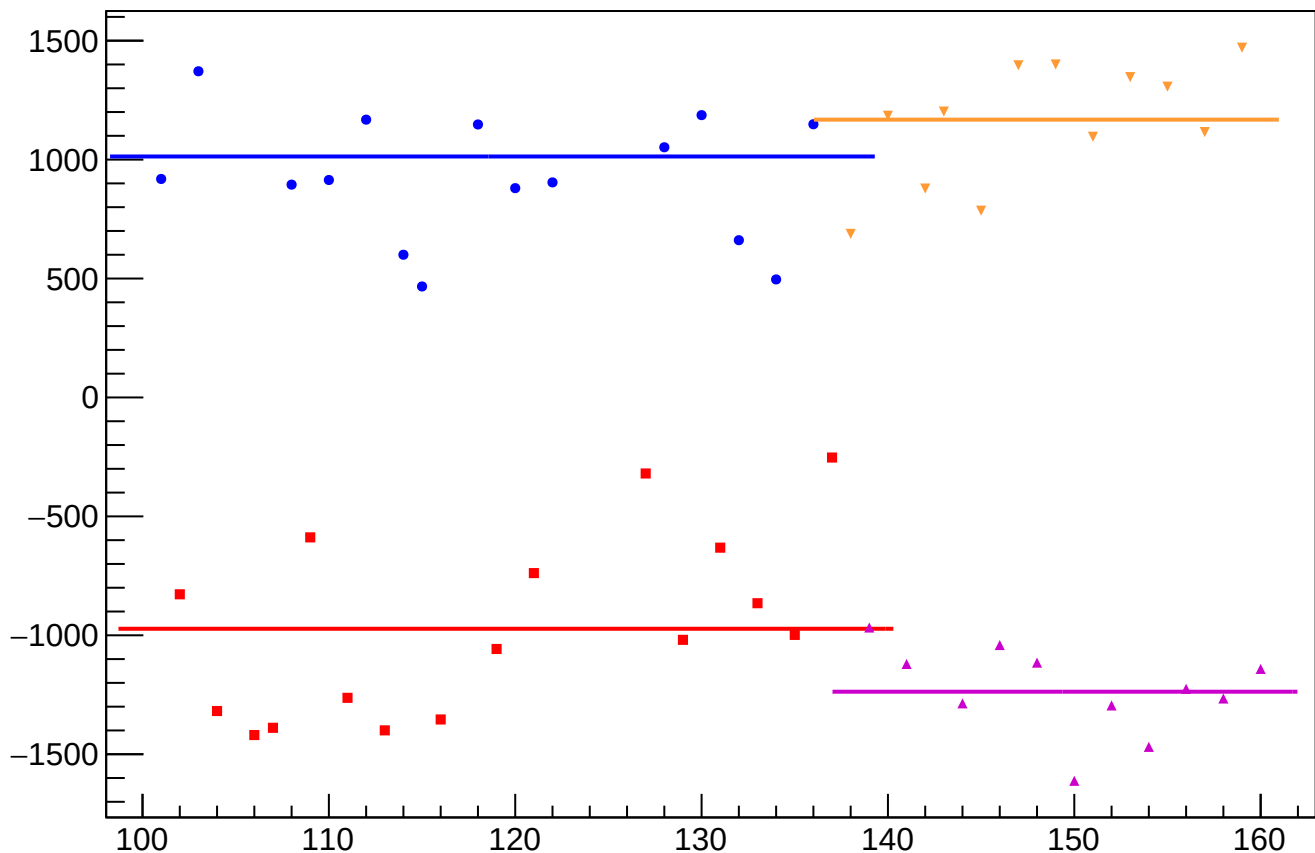
All: 16.928 ± 0.000 χ^2/NDF : 4121608496439

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



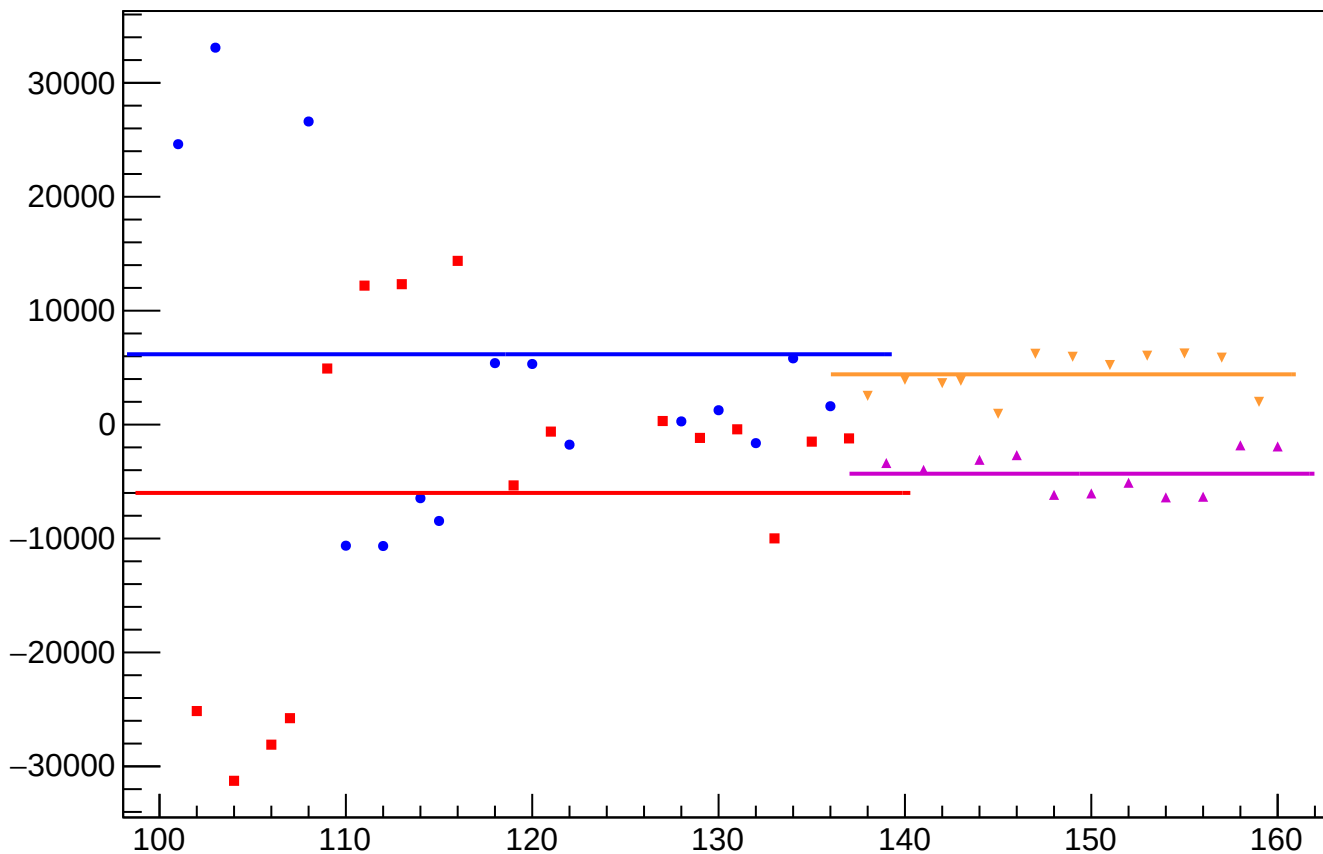
Right In: 113.134 +/- 0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14
 Left Out: 25.122 +/- 0.000 χ^2/NDF : 34236554639910499014555581559078912.0/11
 Right Out: -98.833 +/- 0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15
 Left In: -26.331 +/- 0.000 χ^2/NDF : 18142873408814573481950758043648000.0/10
 All: 1.967 +/- 0.000 χ^2/NDF : 31581433115141

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



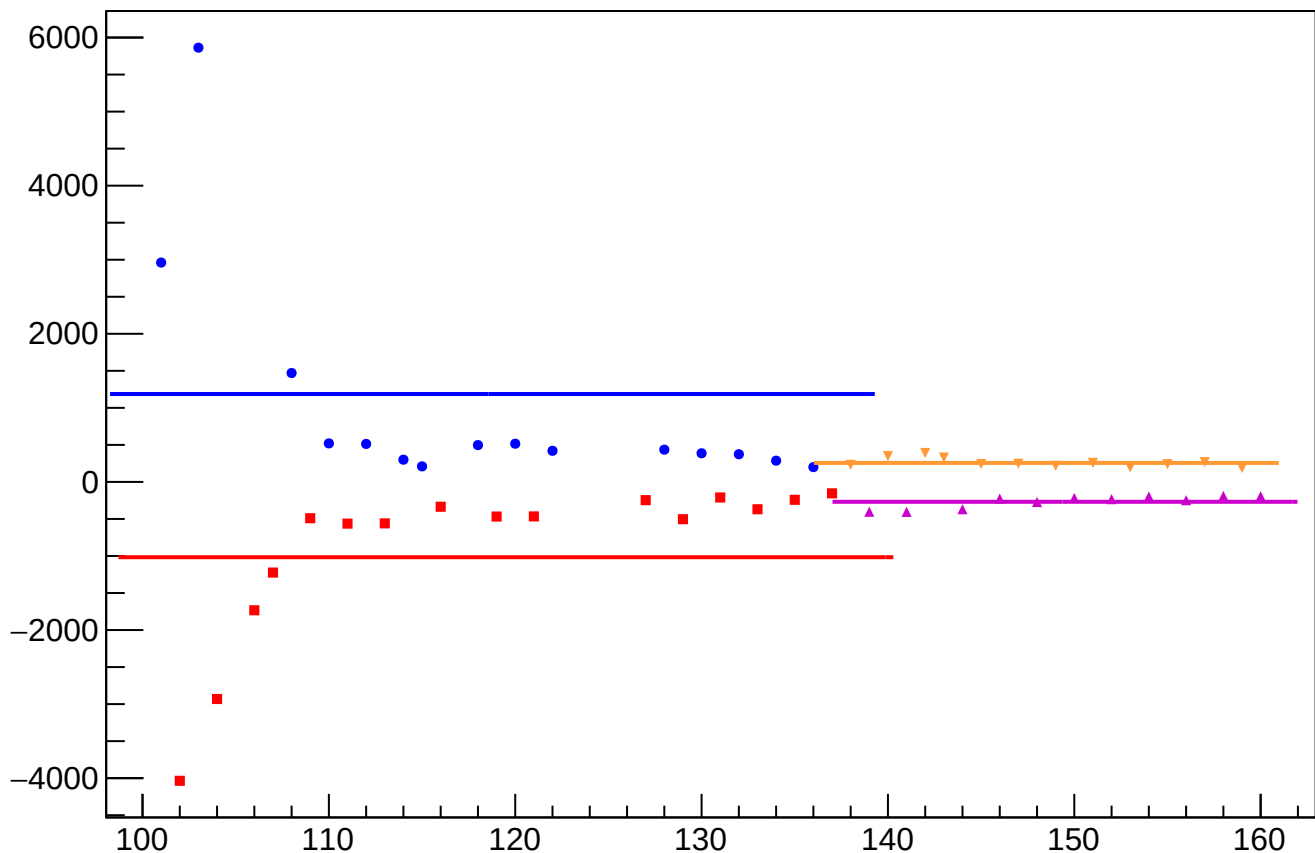
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam2_coil6_mean vs Slug, Sign Corrected



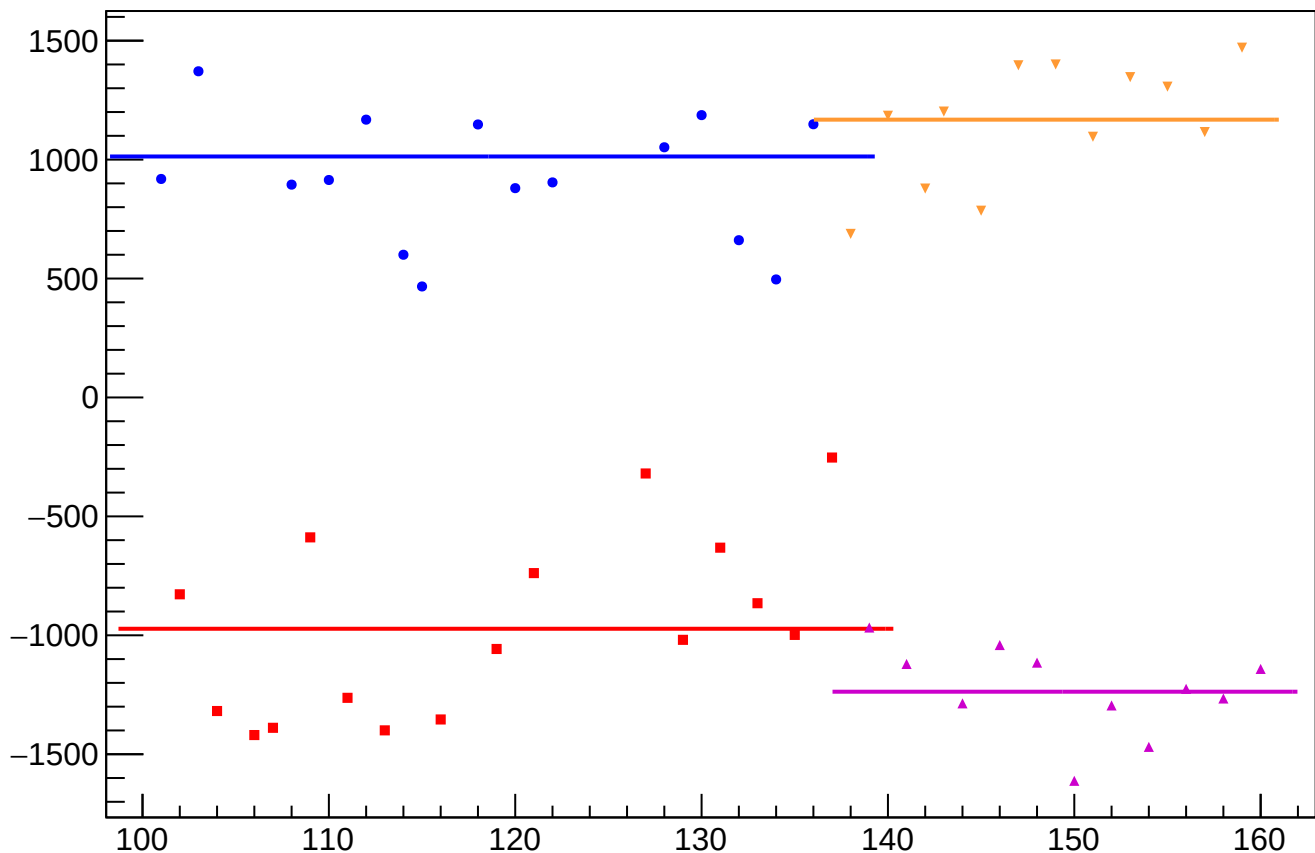
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4413.614+/-0.000 χ^2/NDF : 2955972864027480615108884679842756296704.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.940+/-0.000 χ^2/NDF : 3437284589394

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



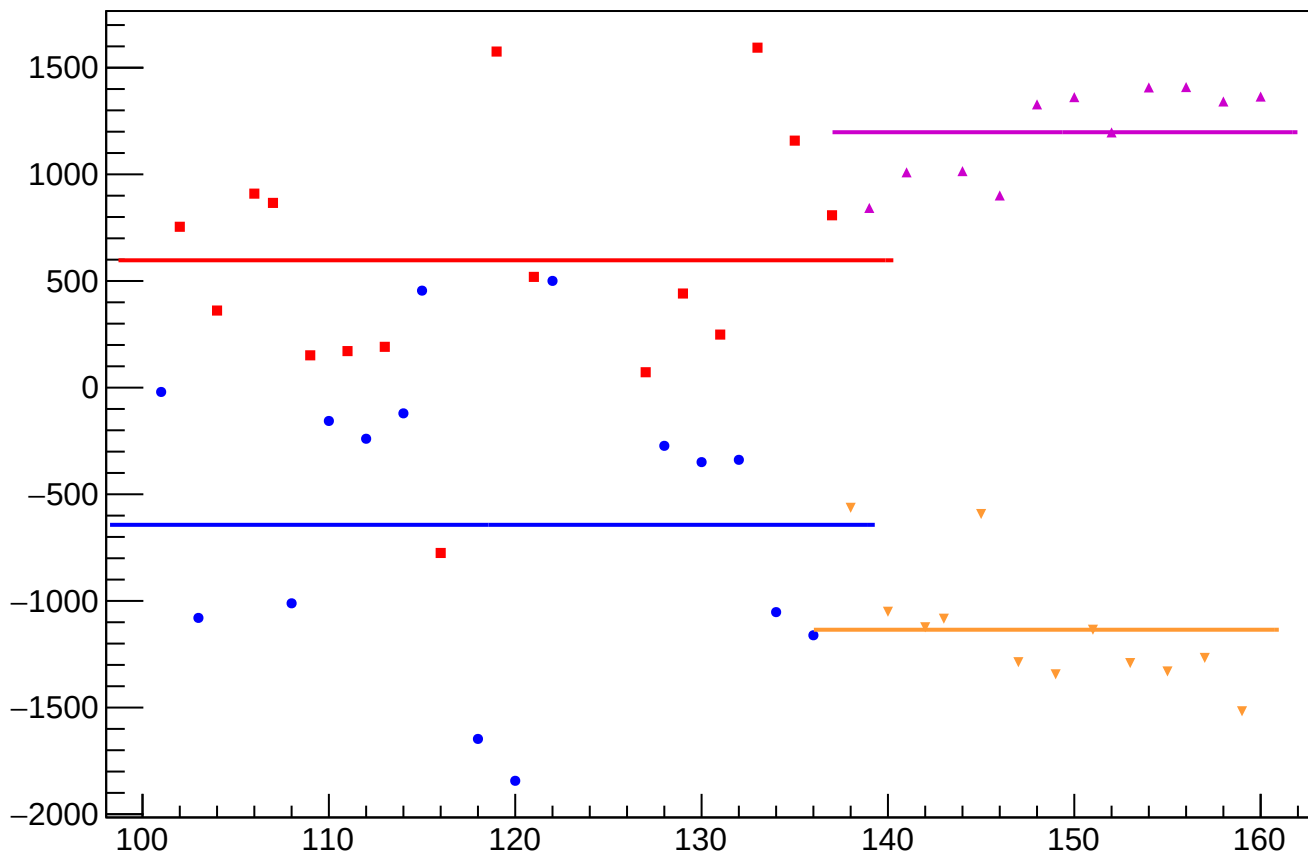
Left: -7.038 ± 0.000 $\chi^2/\text{NDF}: 13546112038867189$
 Right In: 1186.846 ± 0.000 $\chi^2/\text{NDF}: 1796463312802023303623210264680353234944.0/14$
 Left Out: 256.413 ± 0.000 $\chi^2/\text{NDF}: 2796377992740210527233445839838904320.0/11$
 Right Out: -1016.732 ± 0.000 $\chi^2/\text{NDF}: 927646003466094249558391691024825057280.0/15$
 In: 331.962 ± 0.000 $\chi^2/\text{NDF}: 26097697264586015$
 Out: -279.690 ± 0.000 $\chi^2/\text{NDF}: 155632876802520$
 Left In: -268.493 ± 0.000 $\chi^2/\text{NDF}: 5855734975706547823556607966386847744.0/10$
 All: 25.070 ± 0.000 $\chi^2/\text{NDF}: 4461367552726$

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

Left Out: -1135.033+/-0.000

Right Out: 597.043+/-0.000

Left In: 1197.503+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

χ^2/NDF : 73789817632186163776632146016354697216.0/11

χ^2/NDF : 210733370798031449363504004319005376512.0/15

χ^2/NDF : 38624722141560961102710570239066636288.0/10

Left: 35.669+/-0.000 χ^2/NDF : 26164720645554087

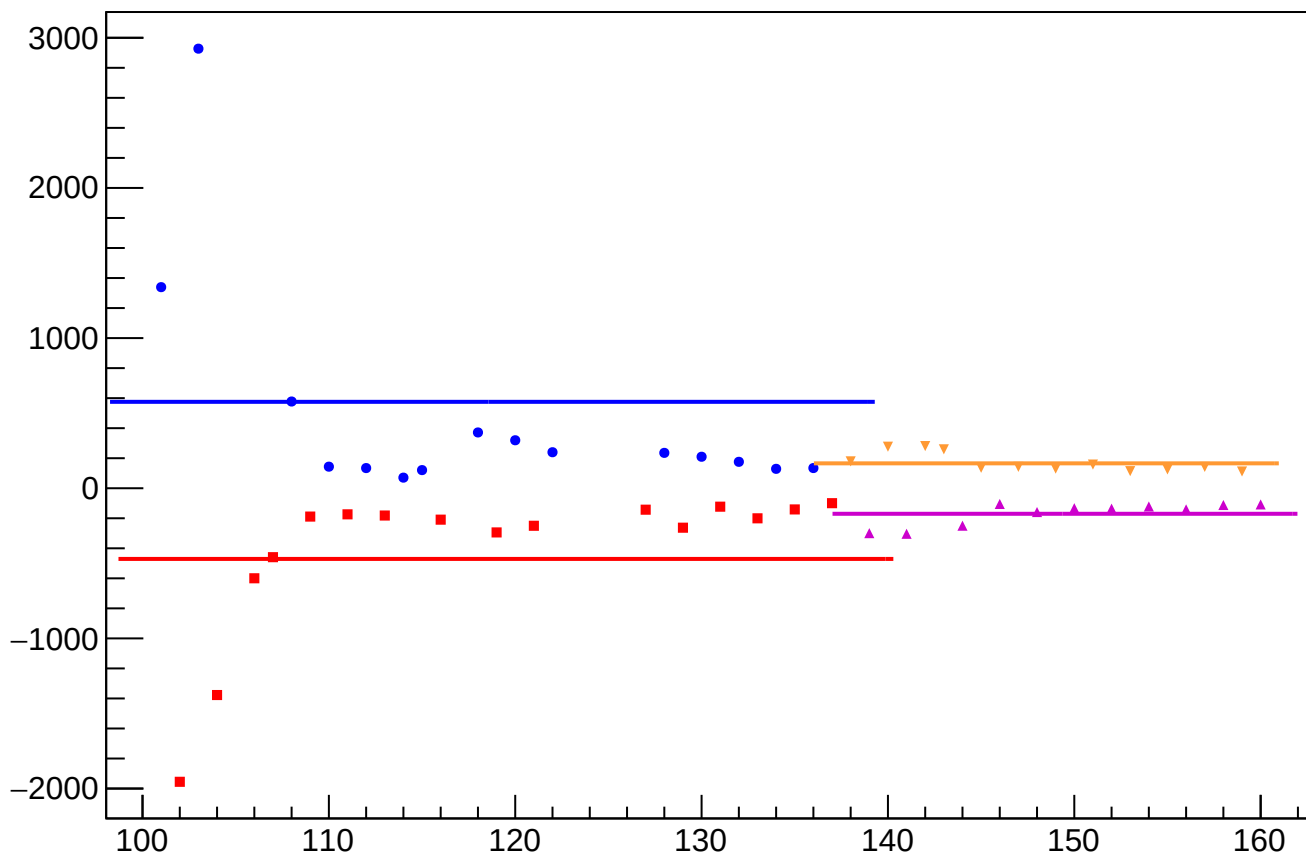
Right: -14.605+/-0.000 χ^2/NDF : 989448118075246

In: 438.045+/-0.000 χ^2/NDF : 16030569871638282

Out: -405.681+/-0.000 χ^2/NDF : 144296408406793

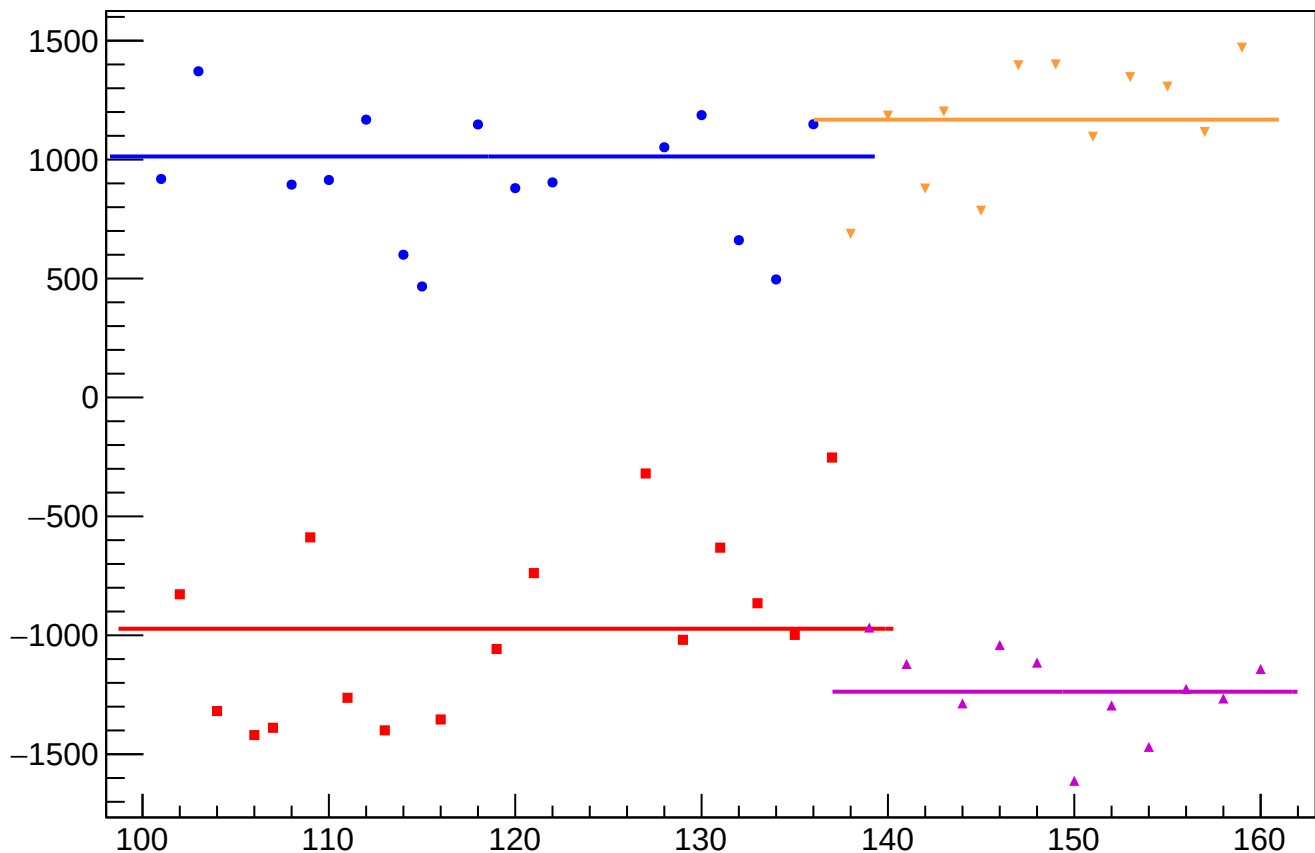
All: 14.712+/-0.000 χ^2/NDF : 3607859864595

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



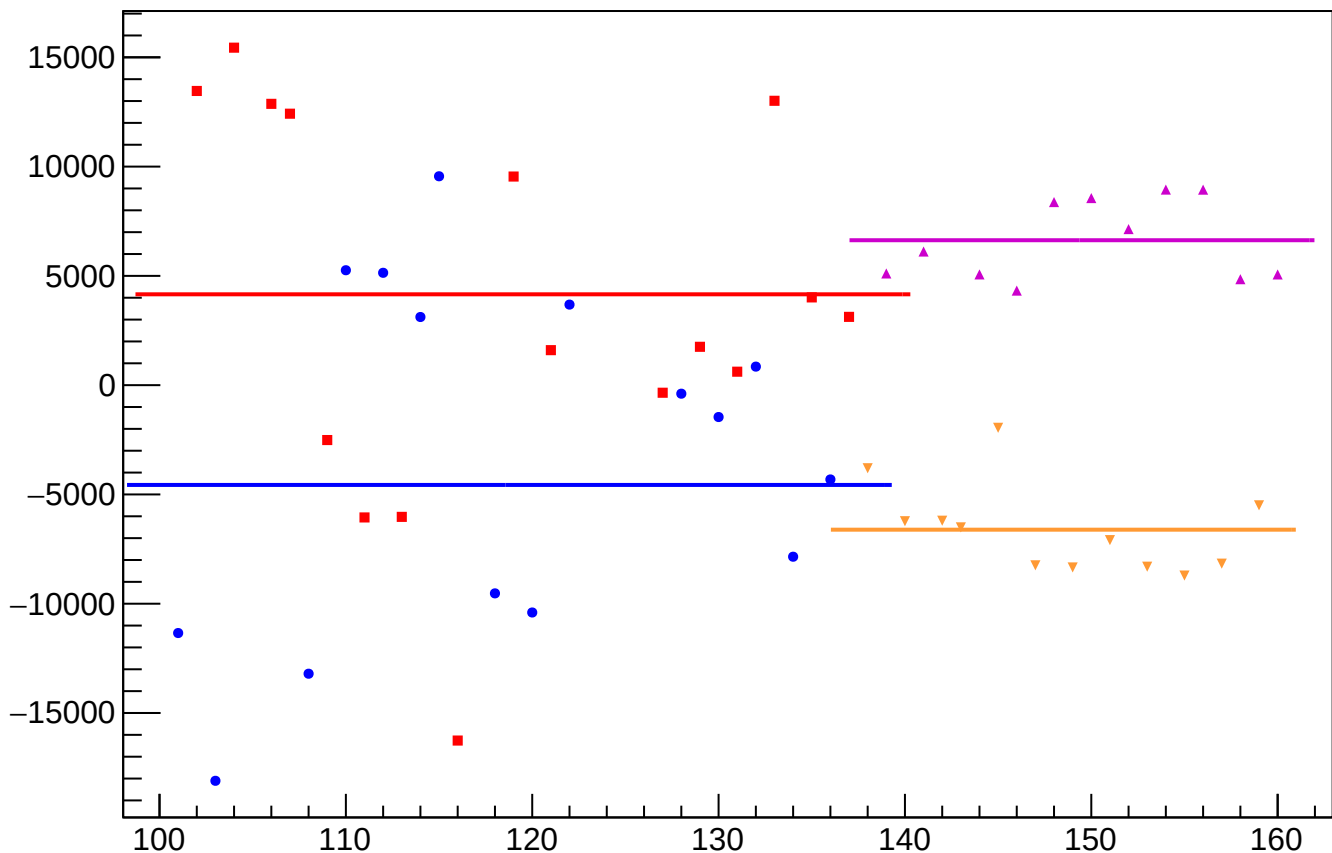
Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 165.815+/-0.000 χ^2/NDF : 3077732362329556605426877868663635968.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.246+/-0.000 χ^2/NDF : 1063680518716

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4565.412+/-0.000

Left Out: -6612.752+/-0.000

Right Out: 4156.859+/-0.000

Left In: 6631.377+/-0.000

χ^2/NDF : 35667768247432289984899042725155487875072.0/14

χ^2/NDF : 3759909720266492863199038301551573598208.0/11

χ^2/NDF : 45539455441659927157708443099930682195968.0/15

χ^2/NDF : 2831140540306304869921468245145345327104.0/10

Left: 34.492+/-0.000 χ^2/NDF : 87320936788321205

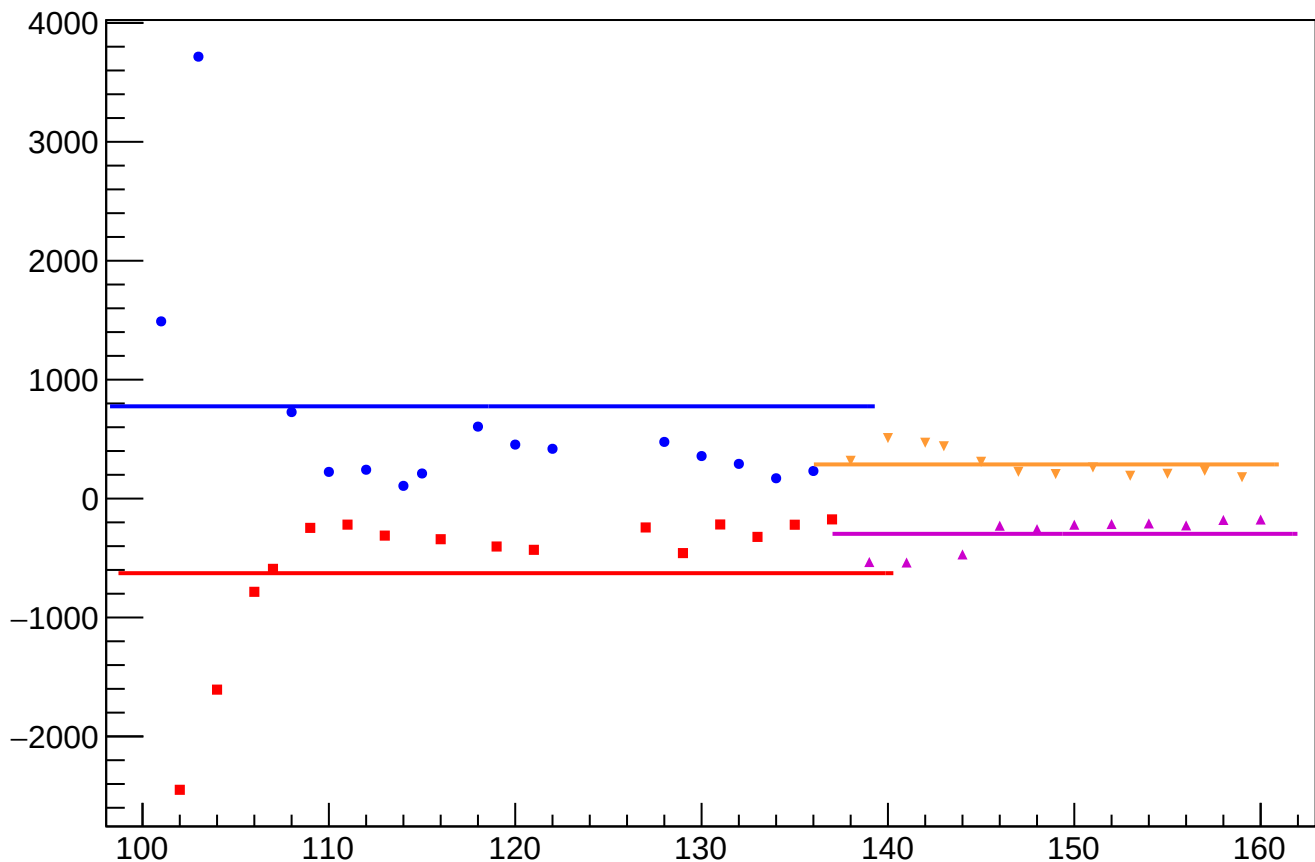
Right: -144.626+/-0.000 χ^2/NDF : 10623220696347

In: 2011.723+/-0.000 χ^2/NDF : 8629308418563650

Out: -2077.821+/-0.000 χ^2/NDF : 94085131574045

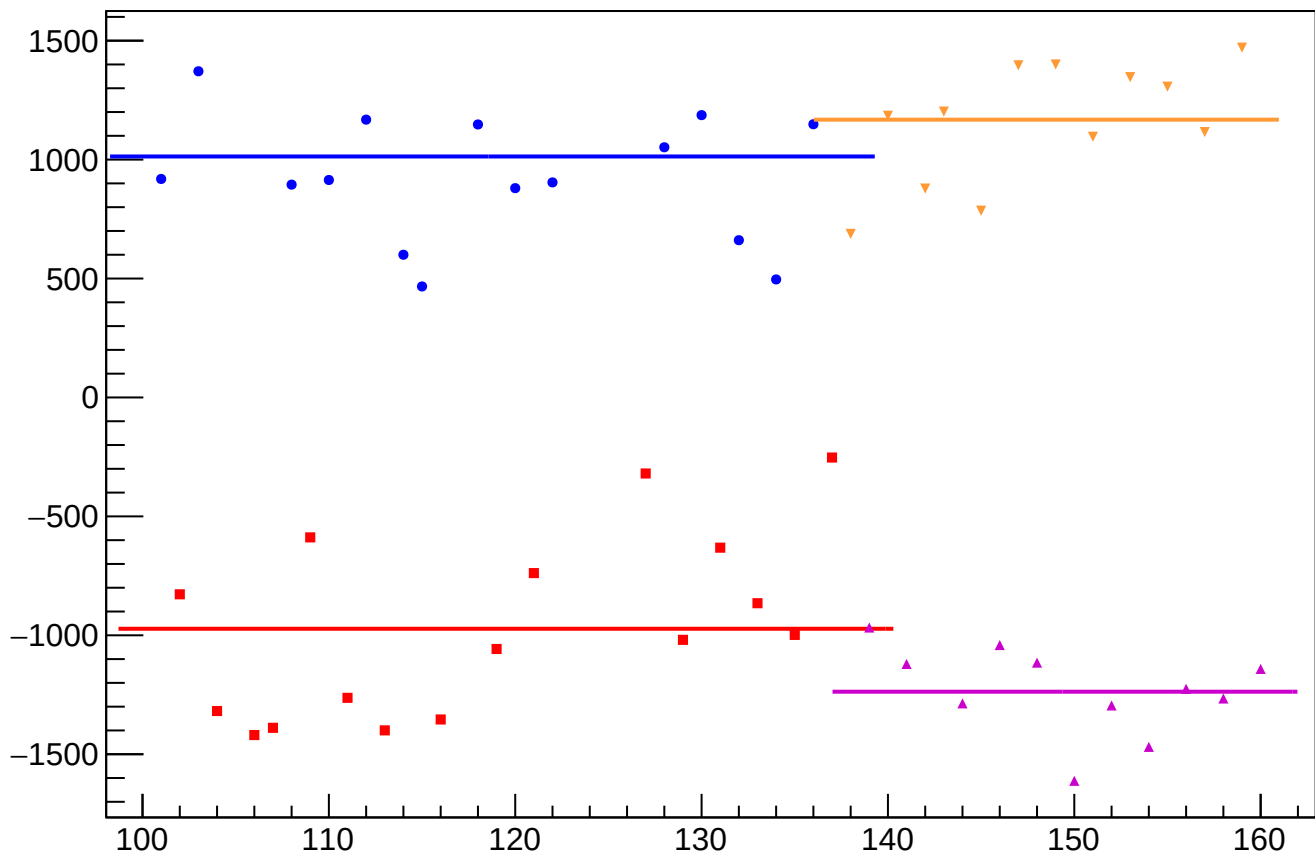
All: -40.174+/-0.000 χ^2/NDF : 193577765063

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



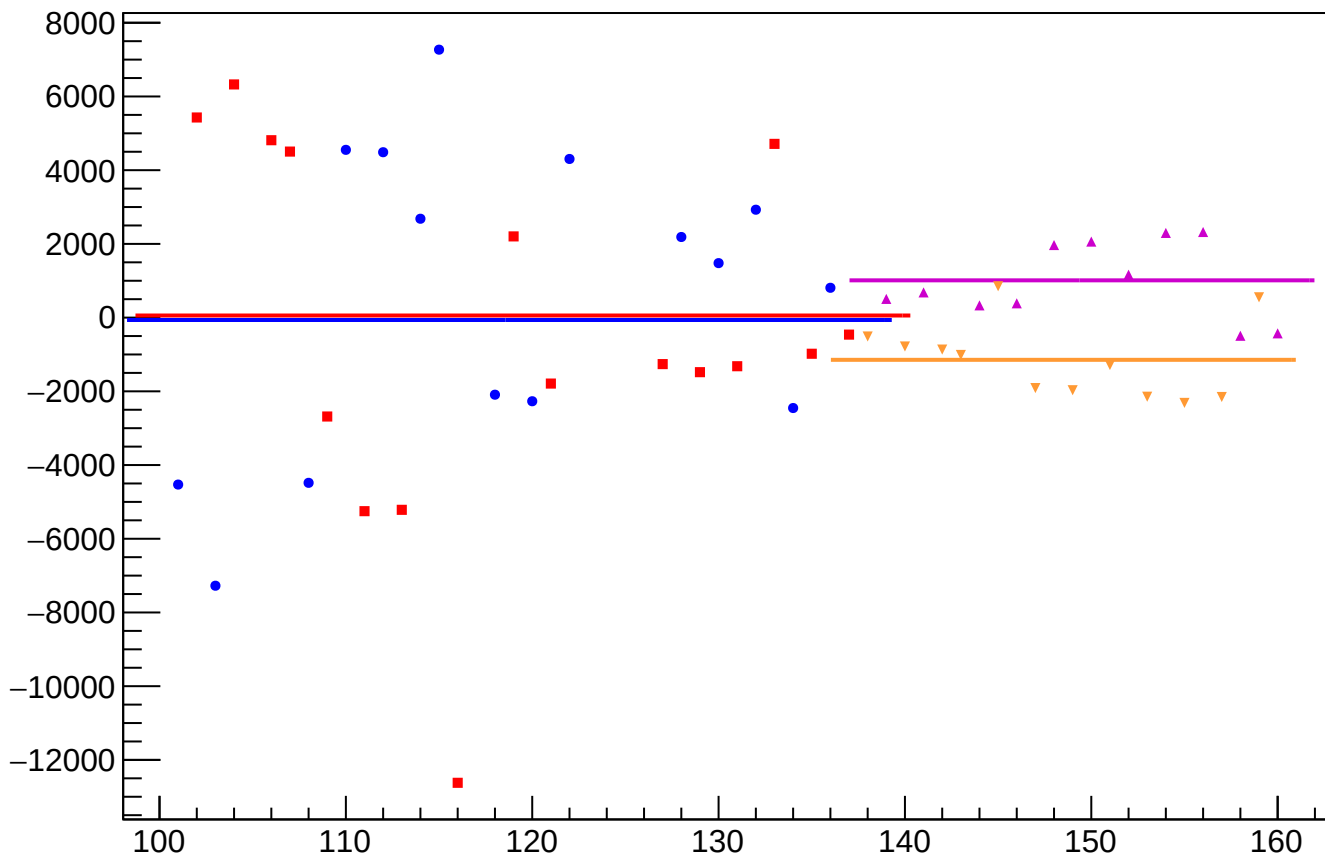
Right In: 775.824+/-0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Left Out: 287.283+/-0.000 χ^2/NDF : 10557467074341773559479069744616701952.0/11
 Right Out: -627.315+/-0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Left In: -296.514+/-0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.614+/-0.000 χ^2/NDF : 1775268796440

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



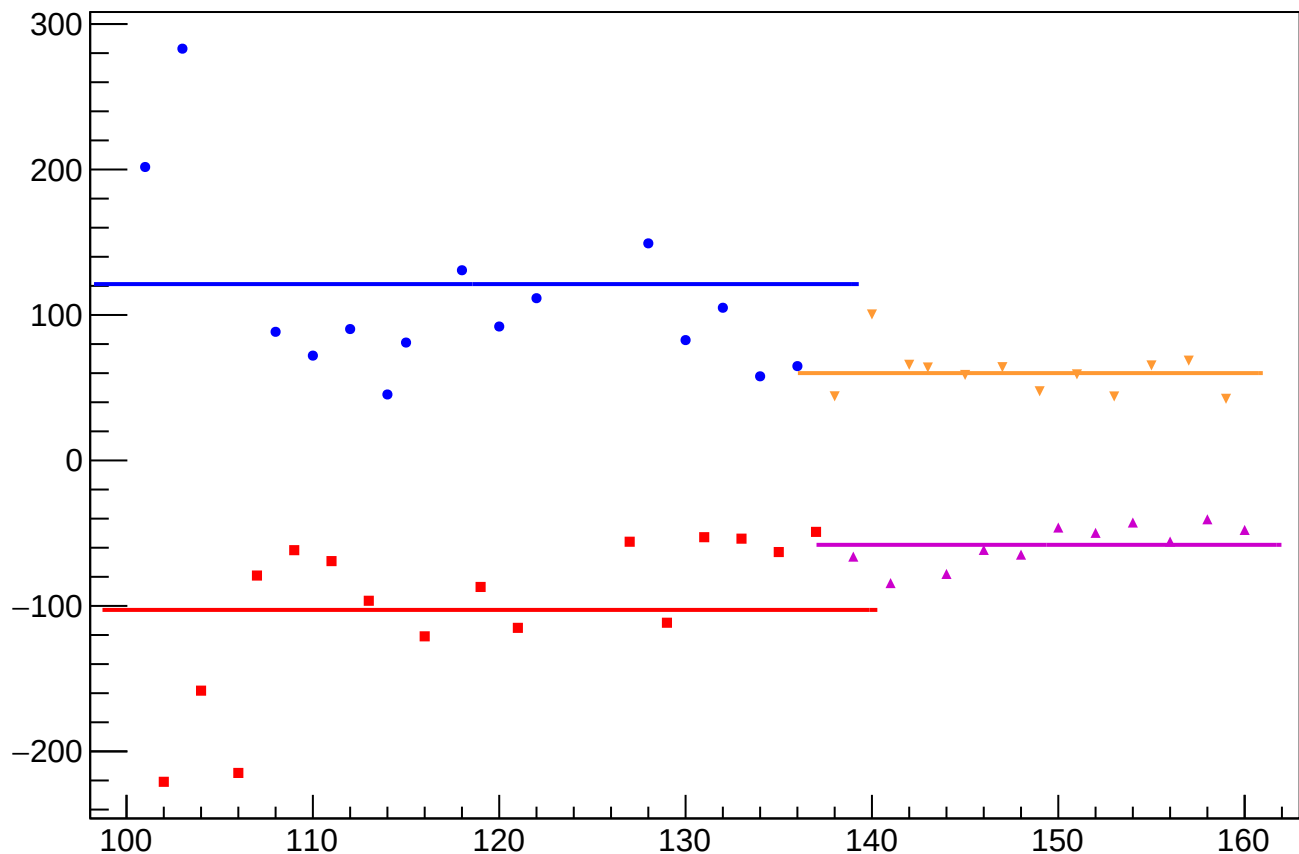
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam5_coil6_mean vs Slug, Sign Corrected



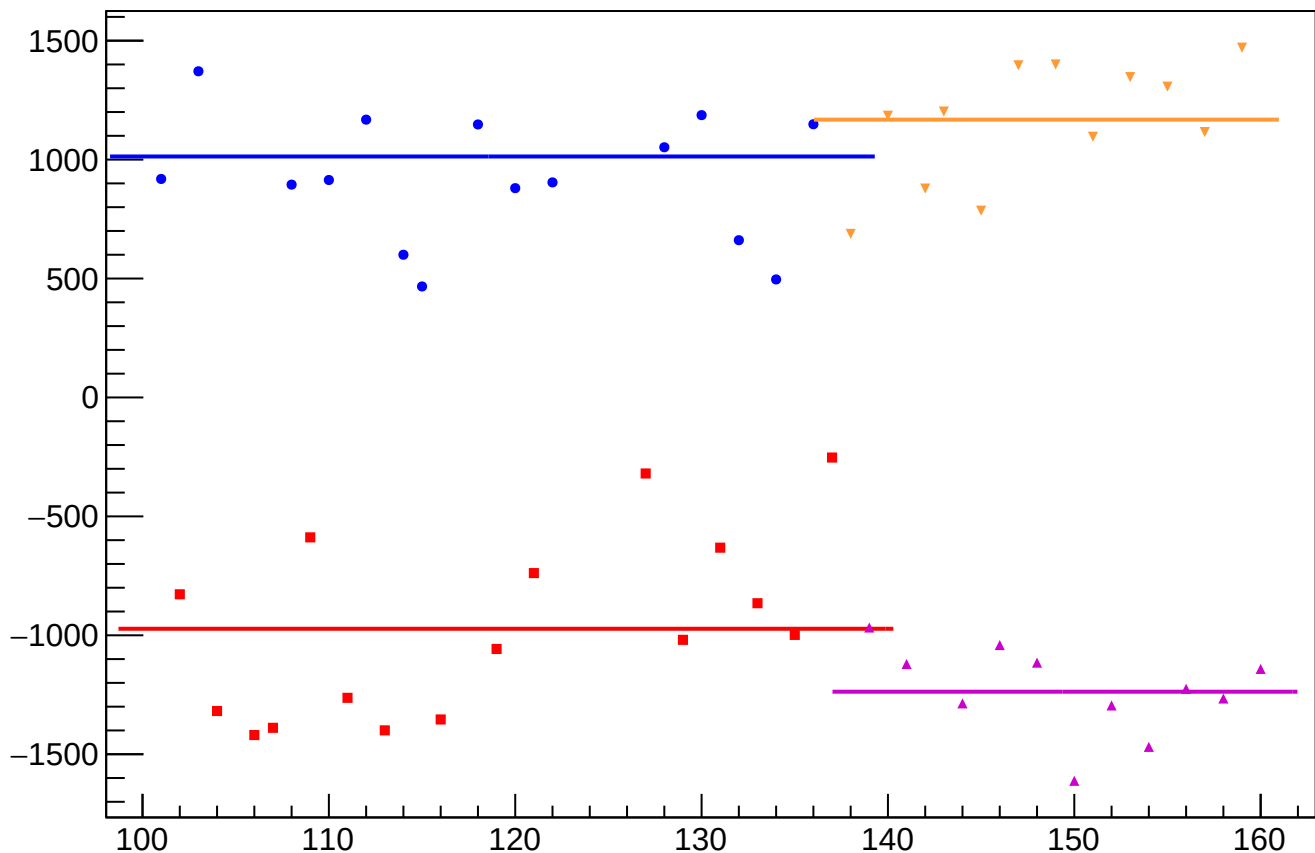
Right In: -64.751+/-0.000 χ^2/NDF : 9614223448851814191683817349989558910976.0/14
 Left Out: -1145.277+/-0.000 χ^2/NDF : 979075596349520821974350897813840199680.0/11
 Right Out: 57.229+/-0.000 χ^2/NDF : 13780958977008702301942505454387177979904.0/15
 Left In: 1011.284+/-0.000 χ^2/NDF : 903909408421874171739001543159795679232.0/10
 All: -37.898+/-0.000 χ^2/NDF : 274263018049

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



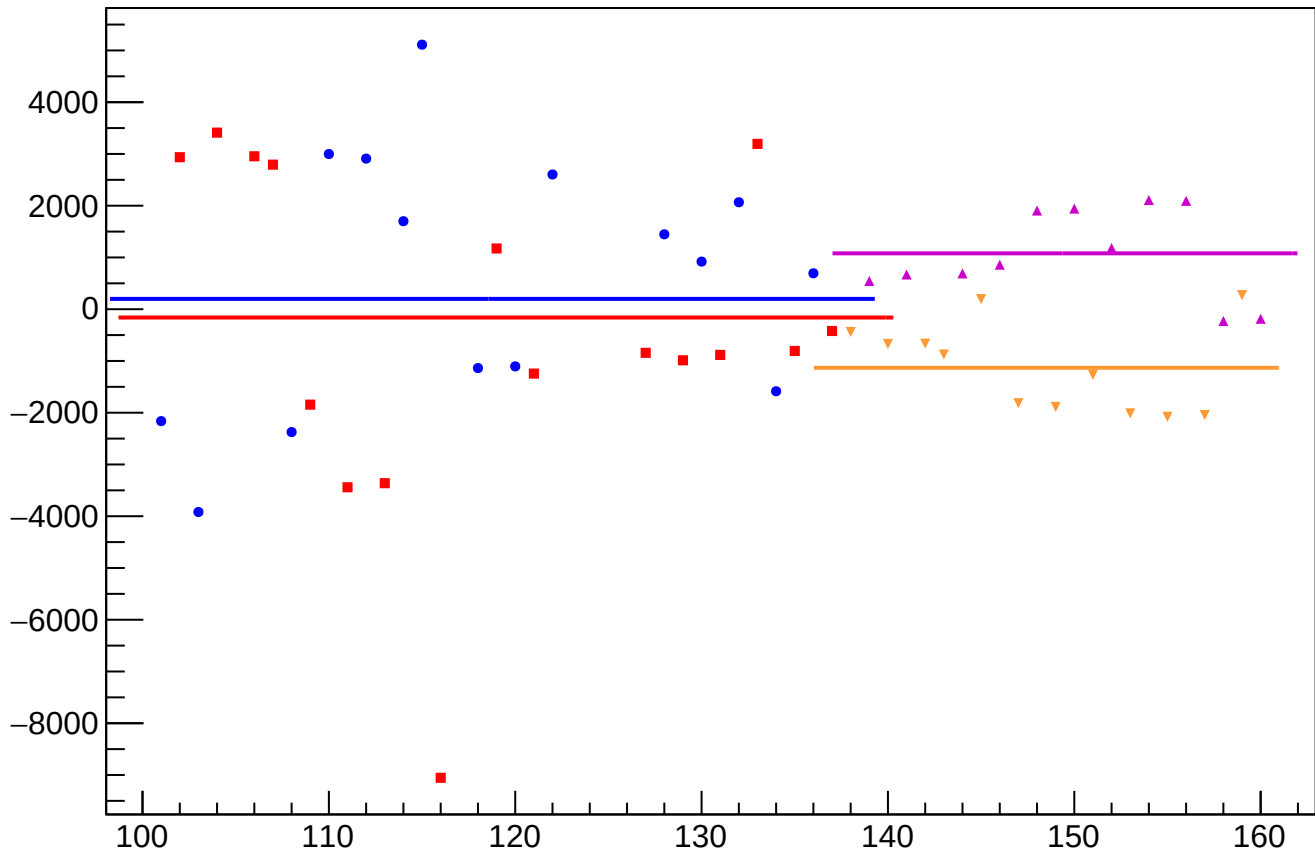
Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.042+/-0.000 χ^2/NDF : 225194152627424805036116621962248192.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.674+/-0.000 χ^2/NDF : 2804570307464

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 199.503+/-0.000

χ^2/NDF : 3268159745923533825045181664876849790976.0/14

Left Out: -1131.740+/-0.000

χ^2/NDF : 658434610169859056709733978264796397568.0/11

Right Out: -160.512+/-0.000

χ^2/NDF : 5680576709461197901526729703706251493376.0/15

Left In: 1079.555+/-0.000

χ^2/NDF : 614734398575877452858032752710912049152.0/10

Left: -21.889+/-0.000 χ^2/NDF : 3523677908409777

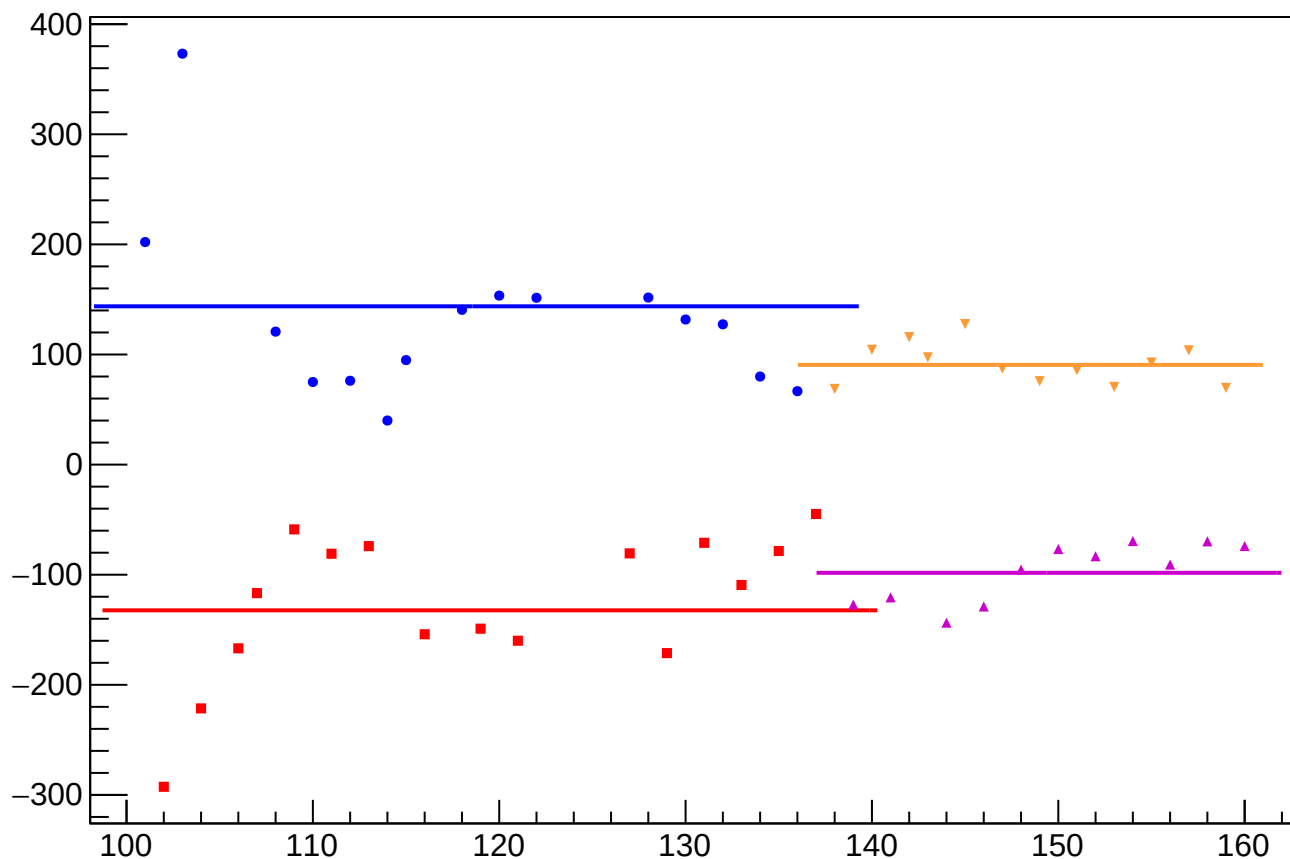
Right: 17.033+/-0.000 χ^2/NDF : 8991370549930185

In: 716.457+/-0.000 χ^2/NDF : 41781537377410598

Out: -722.770+/-0.000 χ^2/NDF : 670324669914514

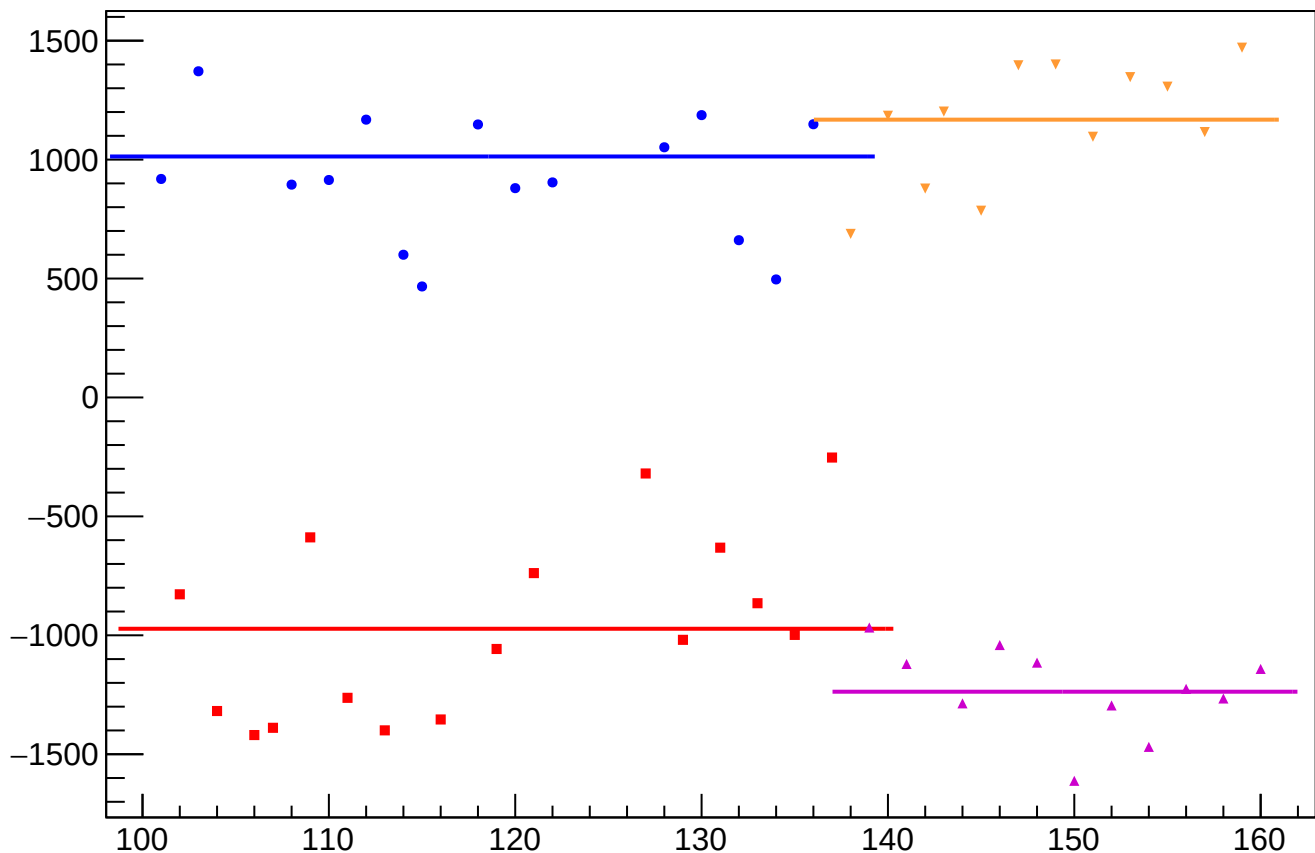
All: -5.664+/-0.000 χ^2/NDF : 1251621104913

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



Left: -4.195 ± 0.000 $\chi^2/\text{NDF}: 17333934091719658$
 Right In: 143.764 ± 0.000 $\chi^2/\text{NDF}: 4514785869565777849900508591821946880.0/14$
 Left Out: 90.584 ± 0.000 $\chi^2/\text{NDF}: 300208511037372941883923935499649024.0/11$
 Right Out: -132.341 ± 0.000 $\chi^2/\text{NDF}: 3174087908796245287682359914282352640.0/15$
 Left In: -98.257 ± 0.000 $\chi^2/\text{NDF}: 620993776773093393033369428470792192.0/10$
 All: -0.853 ± 0.000 $\chi^2/\text{NDF}: 5014829337749$

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1167.974+/-0.000

χ^2/NDF : 54610138783870430946405205692756525056.0/11

Right Out: -972.465+/-0.000

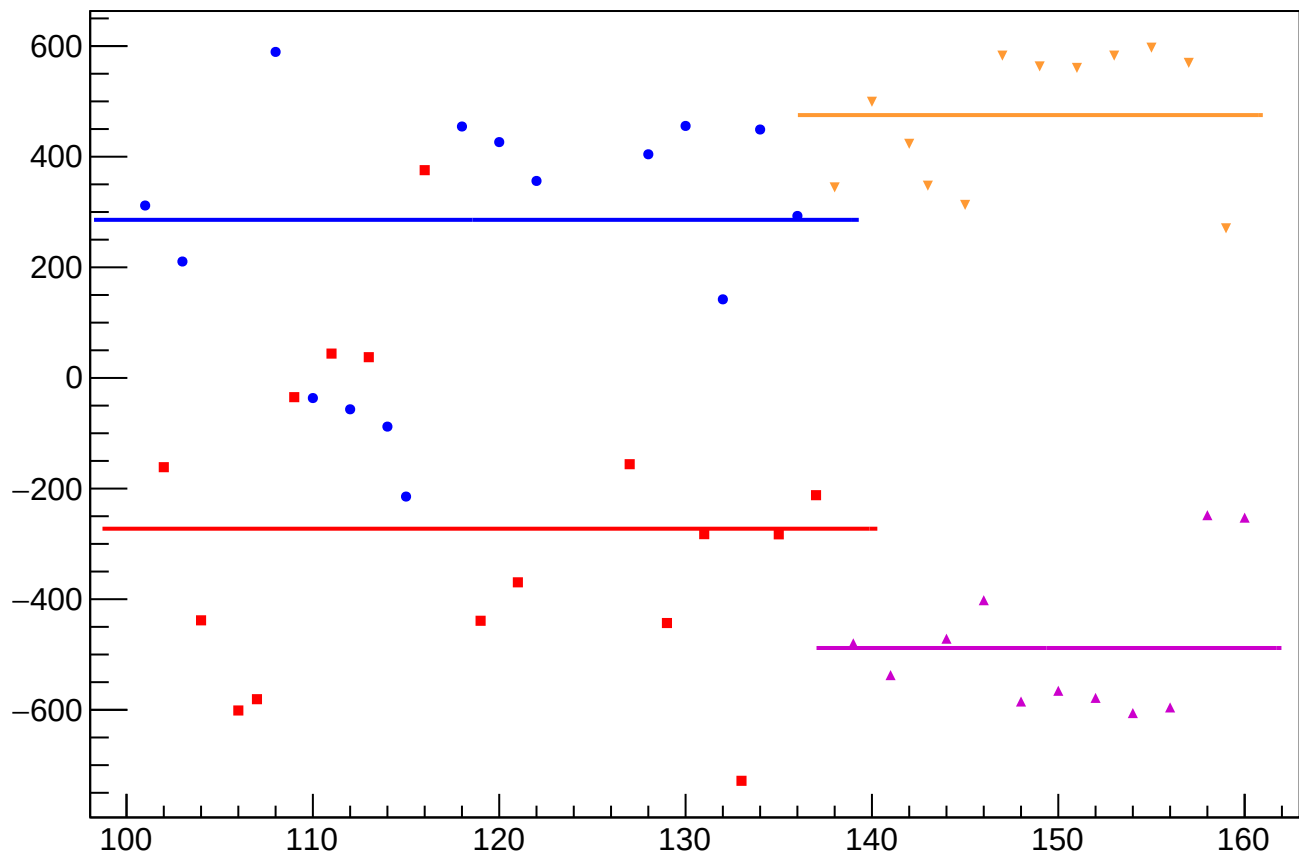
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

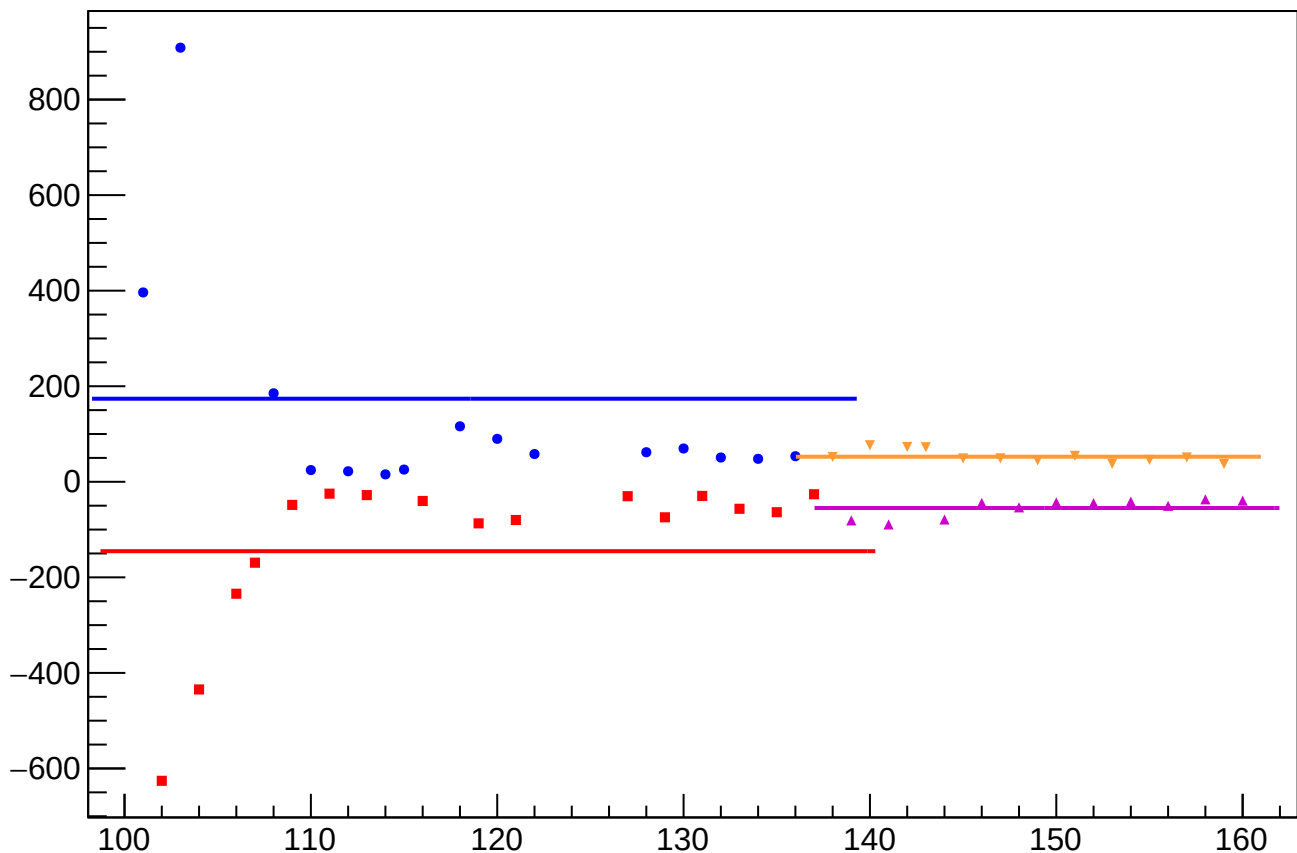
All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam7_coil6_mean vs Slug, Sign Corrected



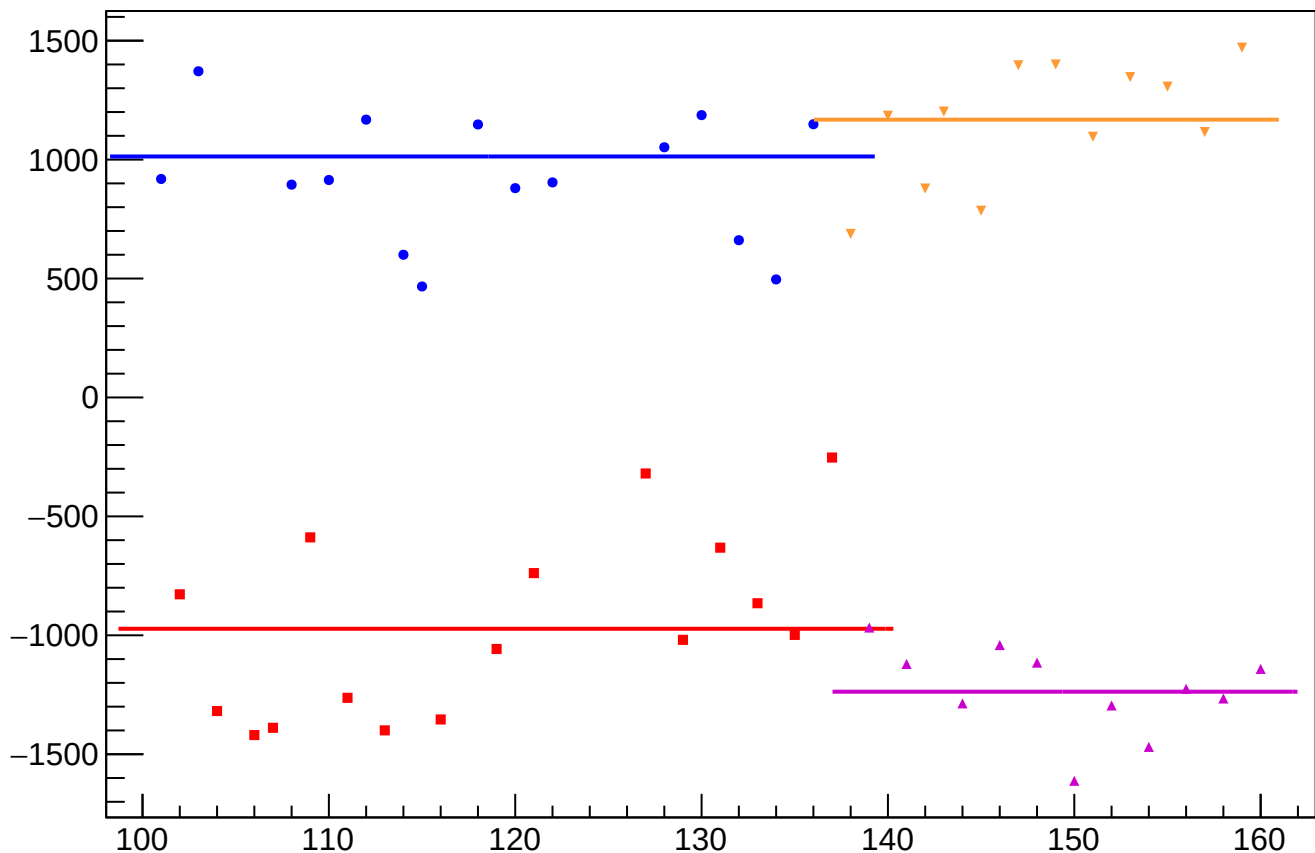
Left: -8.316+/-0.000 χ^2/NDF : 45410418024076154
 Right In: 285.856+/-0.000 χ^2/NDF : 24108244802355530064663311301086281728.0/14
 Right: 2.840+/-0.000 χ^2/NDF : 17082276741945895
 Left Out: 475.235+/-0.000 χ^2/NDF : 13070818687465126874075480521523068928.0/11
 In: -168.836+/-0.000 χ^2/NDF : 2663585226046871
 Right Out: -272.539+/-0.000 χ^2/NDF : 44149952665075593650338713333575712768.0/15
 Out: 160.358+/-0.000 χ^2/NDF : 2731346996433979
 Left In: -488.203+/-0.000 χ^2/NDF : 13828831980358883653289432391973076992.0/10
 All: -3.665+/-0.000 χ^2/NDF : 6250224533135

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



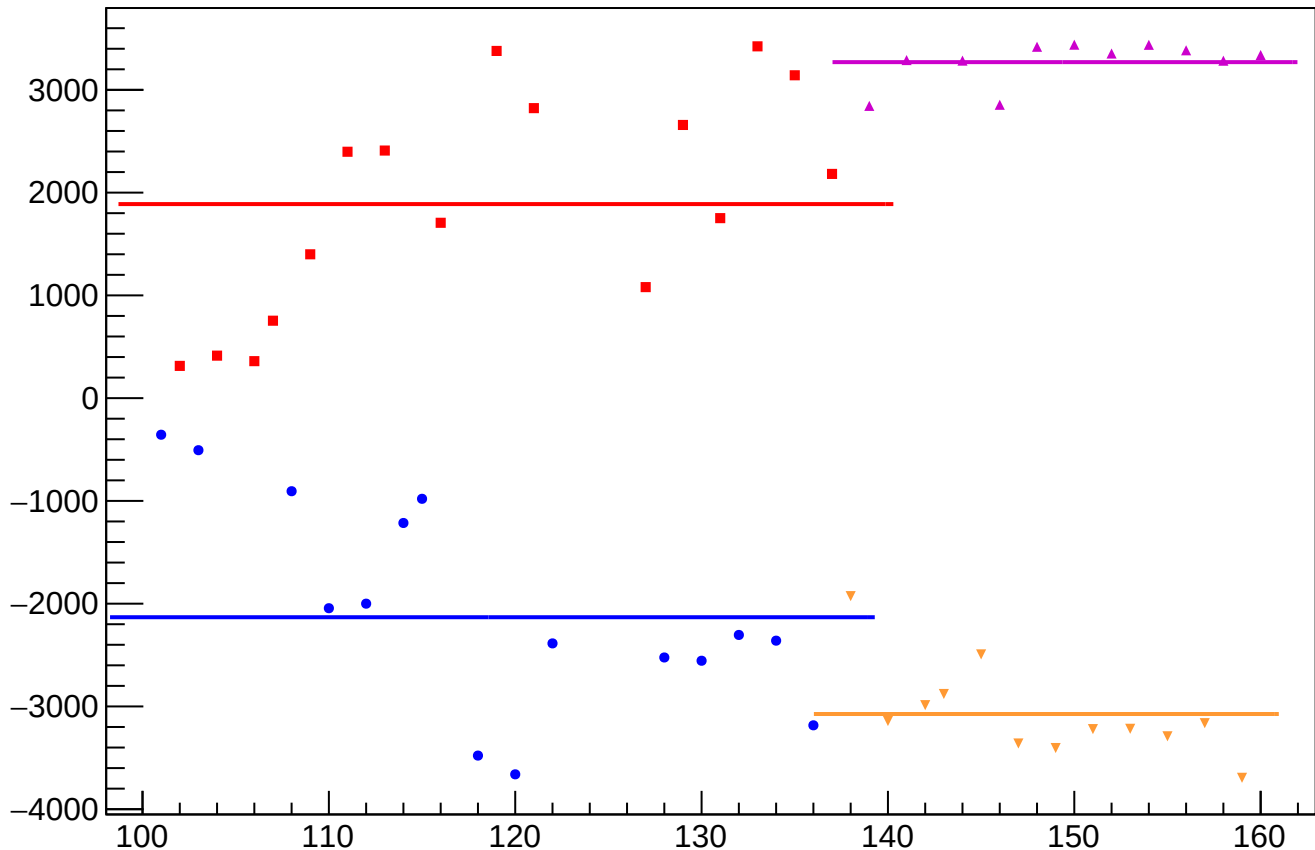
Left: -1.408 +/- 0.000 χ^2/NDF : 57476296462672576
 Right In: 173.871 +/- 0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Right: 12.139 +/- 0.000 χ^2/NDF : 9772897307710637
 Left Out: 52.484 +/- 0.000 χ^2/NDF : 140982522312355375266483802671677440.0/11
 In: 39.493 +/- 0.000 χ^2/NDF : 619564021613478724
 Right Out: -145.228 +/- 0.000 χ^2/NDF : 22529615719408594720785265744437837824.0/15
 Out: -30.770 +/- 0.000 χ^2/NDF : 3776461617850606
 Left In: -54.891 +/- 0.000 χ^2/NDF : 300358274506113612486338175884591104.0/10
 All: 4.239 +/- 0.000 χ^2/NDF : 10361743974662

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2131.905+/-0.000

Left Out: -3073.640+/-0.000

Right Out: 1888.448+/-0.000

Left In: 3269.755+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 187385582436852783779369611000994070528.0/11

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 38098096180391062431092176239781216256.0/10

Left: 110.117+/-0.000 χ^2/NDF : 1874506217921654

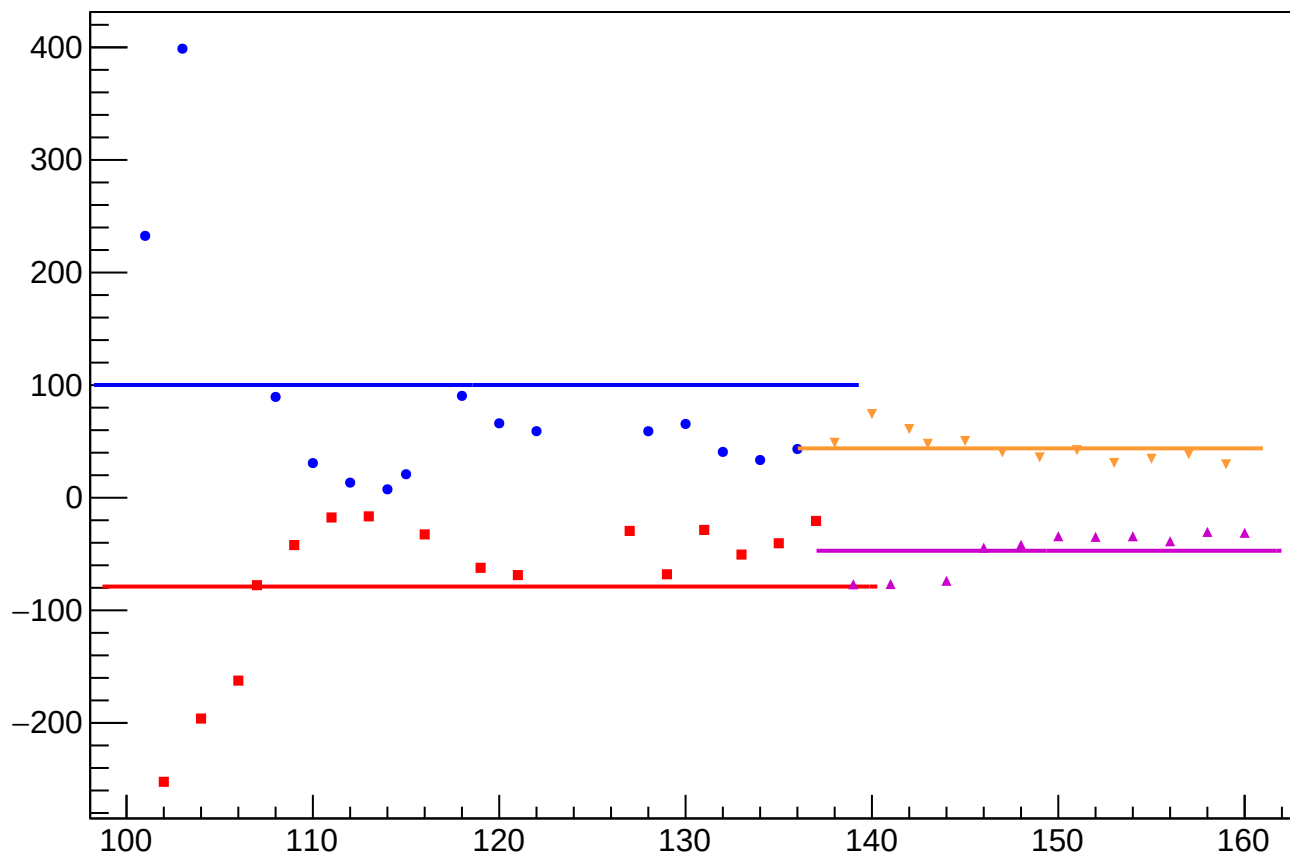
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 118840578236747

Out: -984.175+/-0.000 χ^2/NDF : 104869294967123

All: 24.933+/-0.000 χ^2/NDF : 2560823987852

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



Right In: 100.135+/-0.000

χ^2/NDF : 7813910768784473081480373577053110272.0/14

Left Out: 43.850+/-0.000

χ^2/NDF : 141916966921802590982612264966684672.0/11

Right Out: -78.881+/-0.000

χ^2/NDF : 3525129078433901202304301512966275072.0/15

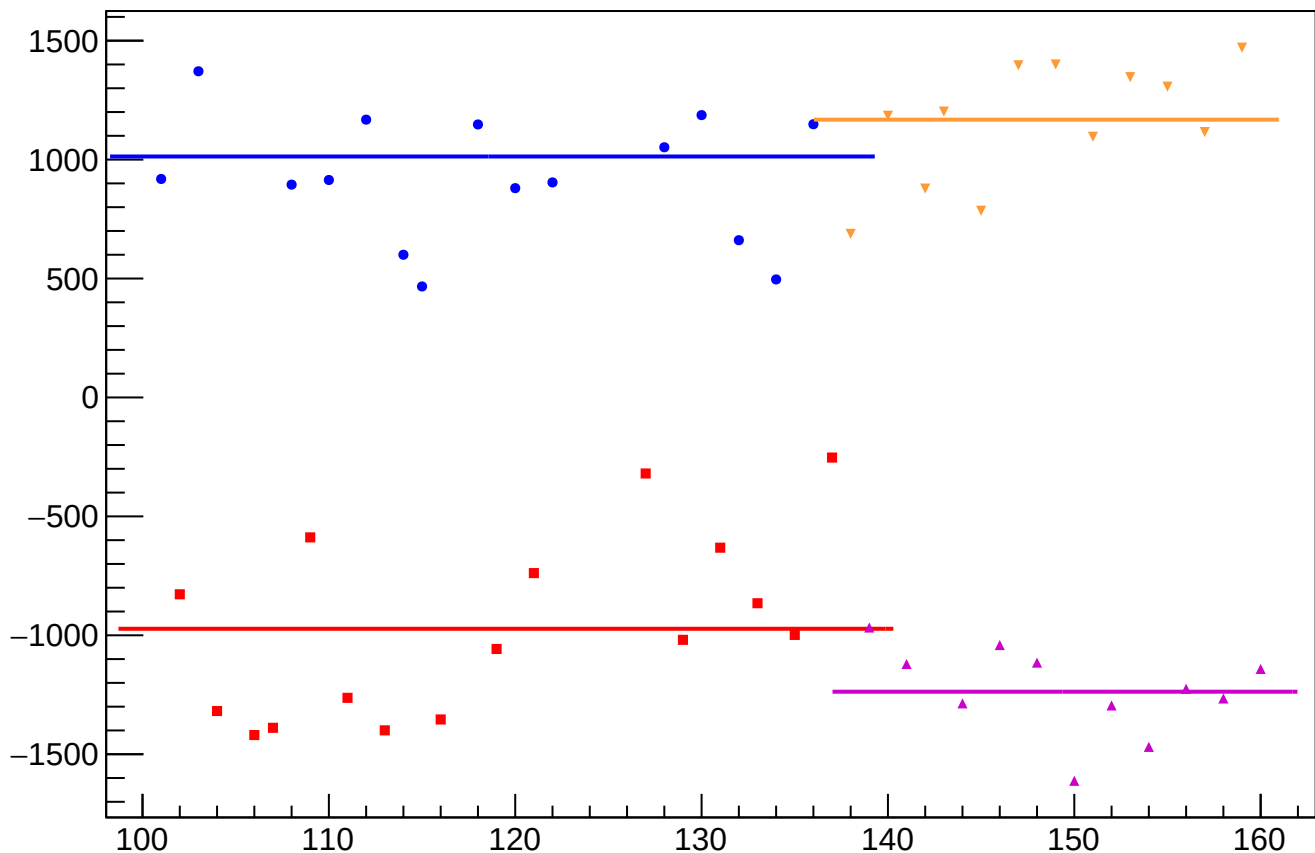
Left In: -47.092+/-0.000

χ^2/NDF : 302550156086866534805447117402800128.0/10

All: 2.873+/-0.000

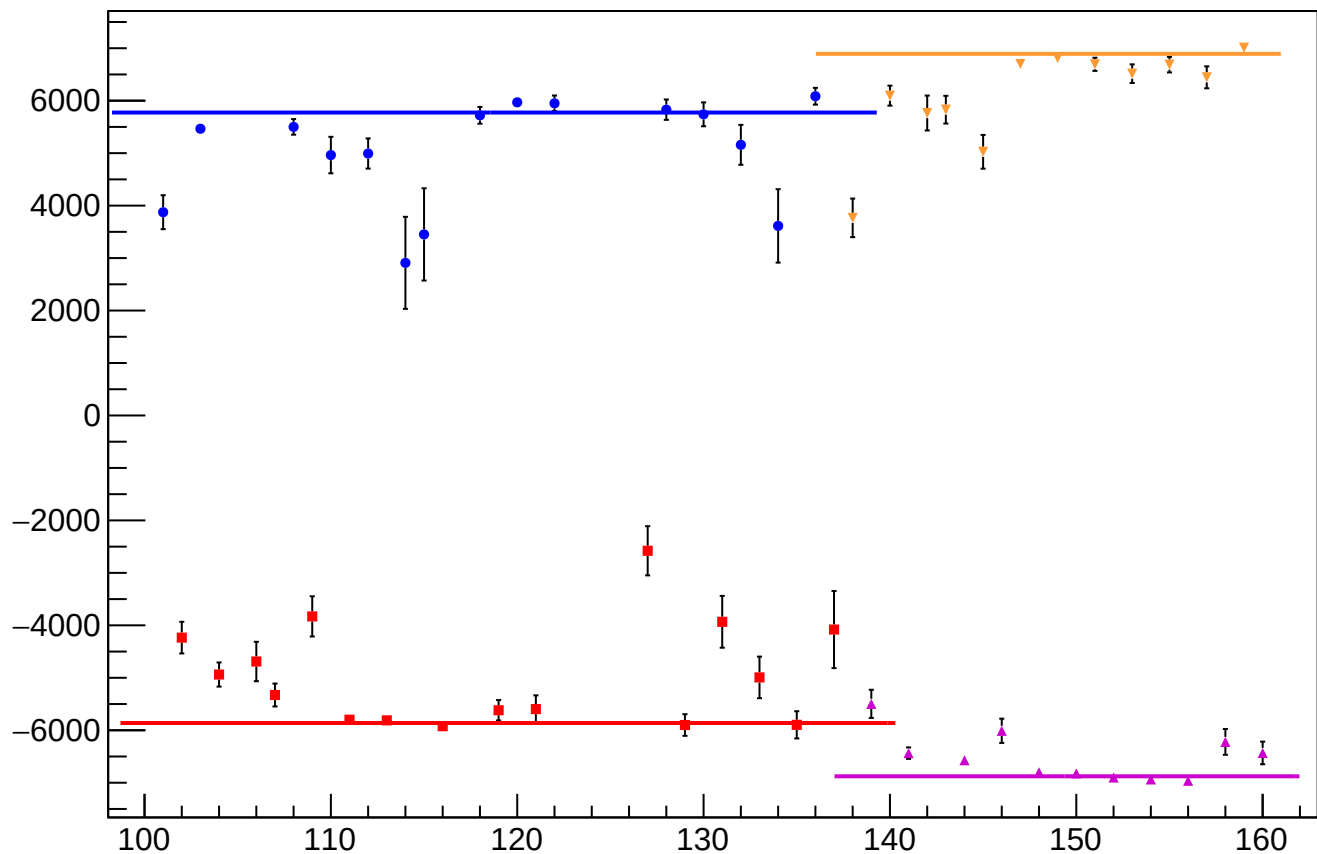
χ^2/NDF : 26227631084667

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1167.974+/-0.000 χ^2/NDF : 54610138783870430946405205692756525056.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.018+/-0.000 χ^2/NDF : 415638151623

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117 ± 0.181 $\chi^2/\text{NDF}: 1828526.5/14$

Left Out: 6892.763 ± 0.240 $\chi^2/\text{NDF}: 163987.5/11$

Right Out: -5861.461 ± 0.140 $\chi^2/\text{NDF}: 180020.4/15$

Left In: -6877.524 ± 0.173 $\chi^2/\text{NDF}: 152471.6/10$

Left: -2170.625 ± 0.140 $\chi^2/\text{NDF}: 2174526256.4/22$

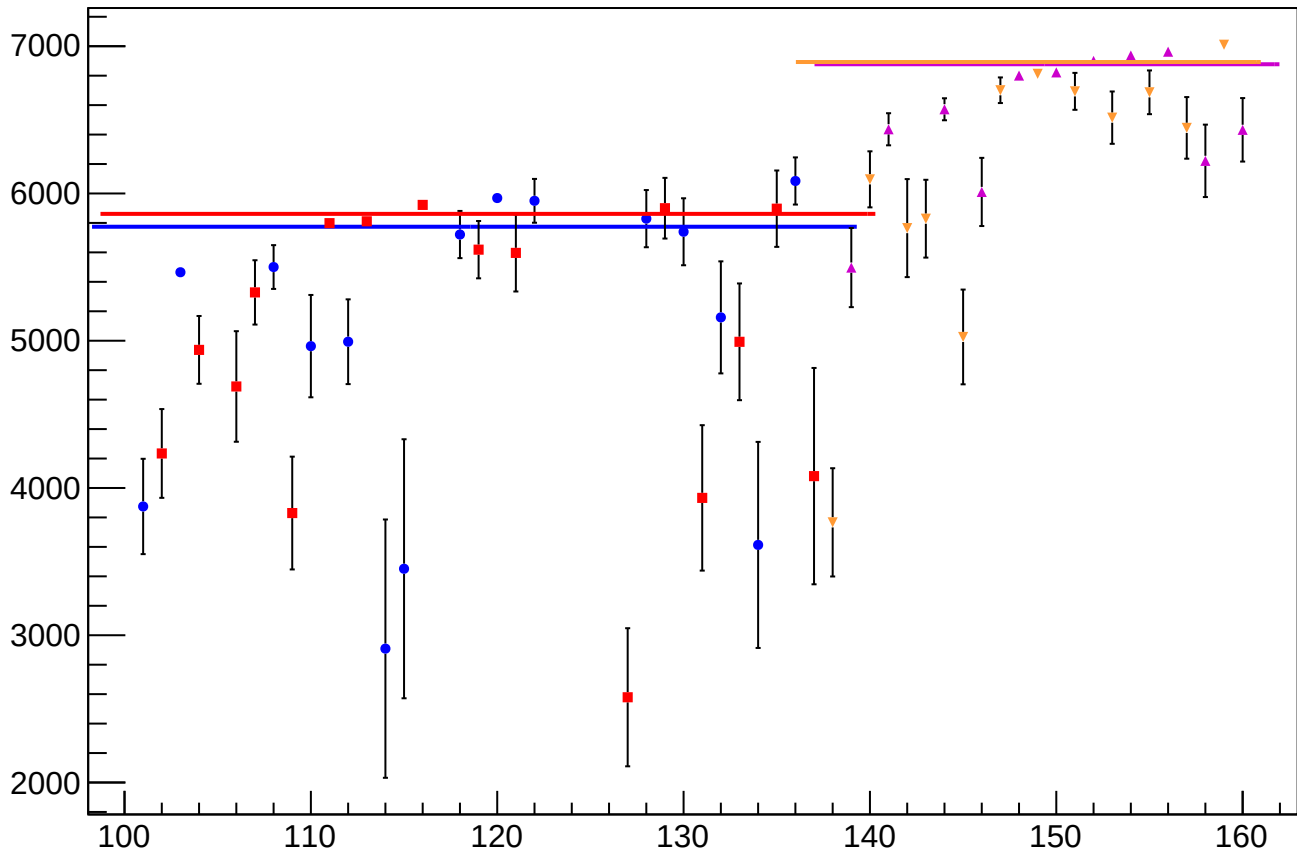
Right: -1536.191 ± 0.111 $\chi^2/\text{NDF}: 2585354230.9/30$

In: -865.808 ± 0.125 $\chi^2/\text{NDF}: 2553324373.7/25$

Out: -2629.719 ± 0.121 $\chi^2/\text{NDF}: 2116131620.9/27$

All: -1779.915 ± 0.087 $\chi^2/\text{NDF}: 4772513806$

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117 $\pm$ 0.181 χ^2/NDF : 1828526.5/14

Left Out: 6892.763 $\pm$ 0.240 χ^2/NDF : 163987.5/11

Right Out: 5861.461 $\pm$ 0.140 χ^2/NDF : 180020.4/15

Left In: 6877.524 $\pm$ 0.173 χ^2/NDF : 152471.6/10

Left: 6882.733 $\pm$ 0.140 χ^2/NDF : 319121.5/22

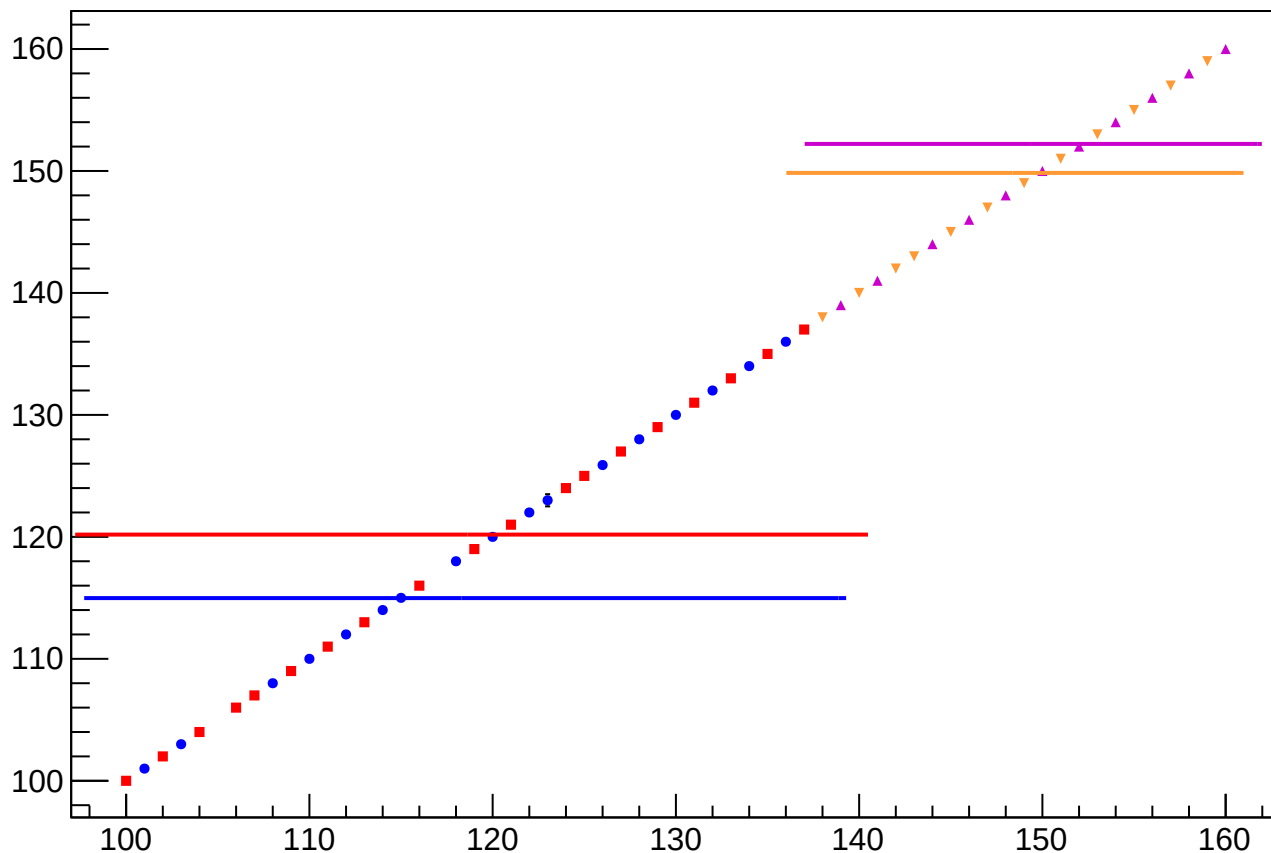
Right: 5828.993 $\pm$ 0.111 χ^2/NDF : 2154118.4/30

In: 6353.215 $\pm$ 0.125 χ^2/NDF : 21387495.8/25

Out: 6122.778 $\pm$ 0.121 χ^2/NDF : 14177612.0/27

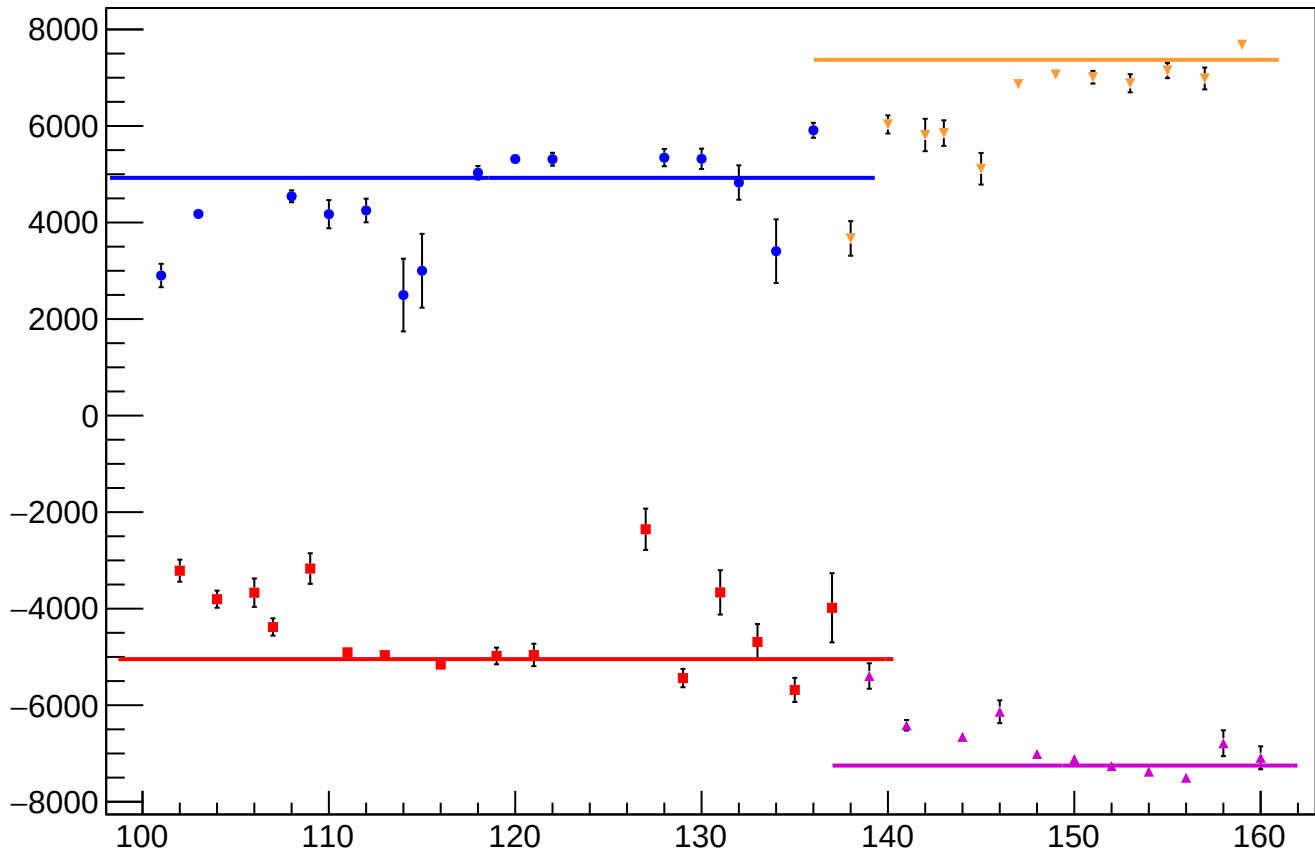
All: 6233.797 $\pm$ 0.087 χ^2/NDF : 37323963.6/5

dit_slug_slope vs Slug, Sign Corrected



Left: 151.316 +/- 0.000 χ^2/NDF : 3397563128571694
 Right: 117.096 +/- 0.000 χ^2/NDF : 180832885295768
 In: 126.214 +/- 0.000 χ^2/NDF : 74280057434918907
 Out: 128.446 +/- 0.000 χ^2/NDF : 3191303030674862
 All: 127.104 +/- 0.000 χ^2/NDF : 106612330003

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305+/-0.939 χ^2 /NDF: 330994.6/14

Left Out: 7370.927+/-1.051 χ^2 /NDF:86199.2/11

Right Out: -5045.221+/-0.668 χ^2 /NDF: 30179.9/15

Left In: -7250.101+/-0.765 χ^2 /NDF:51706.6/10

Left: -2182.999+/-0.619 χ^2 /NDF: 126568325.8/22

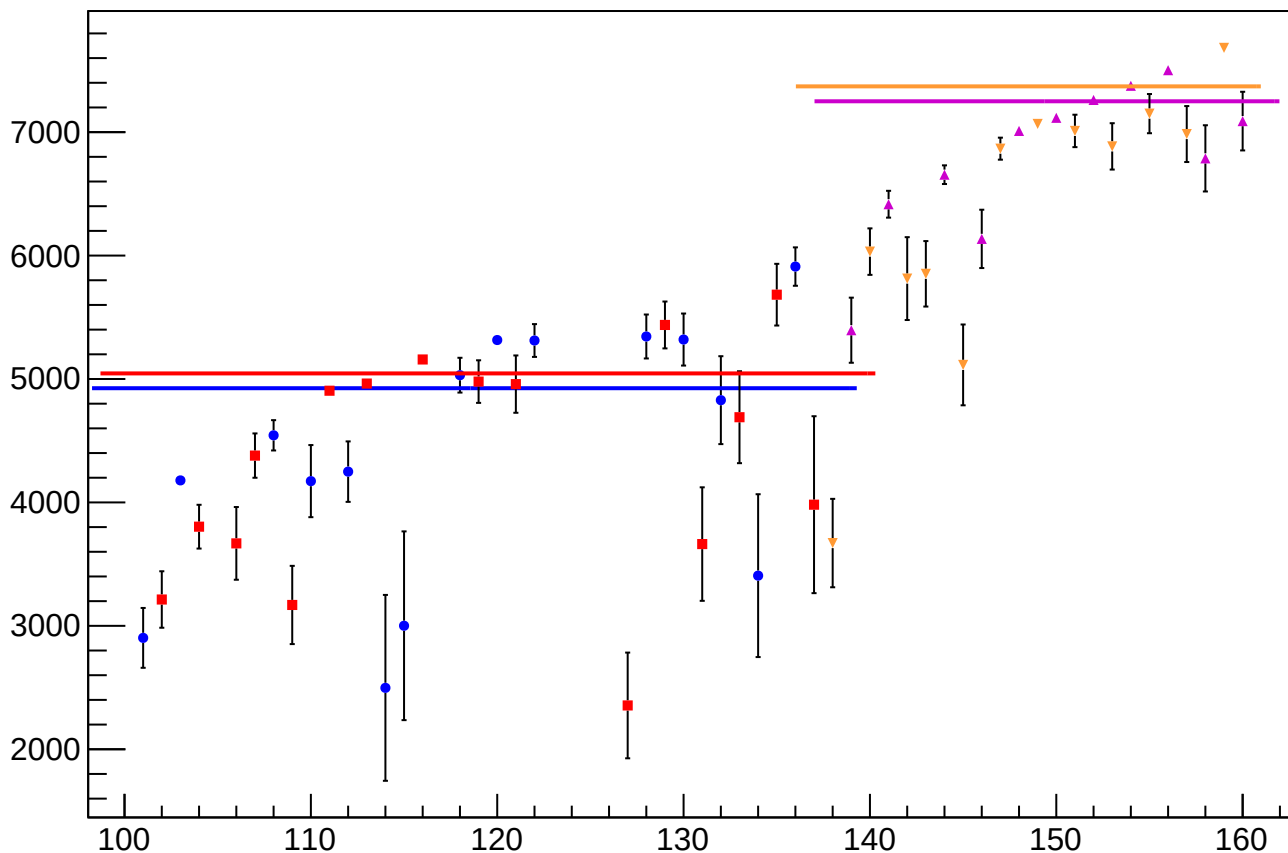
Right: -1694.510+/-0.544 χ^2 /NDF: 75266282.5/30

In: -2387.172+/-0.593 χ^2 /NDF:101423187.3/25

Out: -1474.510+/-0.564 χ^2 /NDF:99519035.5/27

All: -1907.539+/-0.409 χ^2 /NDF: 202186024.5/...

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305+/-0.939 χ^2/NDF : 330994.6/14

Left Out: 7370.927+/-1.051 χ^2/NDF : 86199.2/11

Right Out: 5045.221+/-0.668 χ^2/NDF : 30179.9/15

Left In: 7250.101+/-0.765 χ^2/NDF : 51706.6/10

Left: 7291.975+/-0.619 χ^2/NDF : 146539.8/22

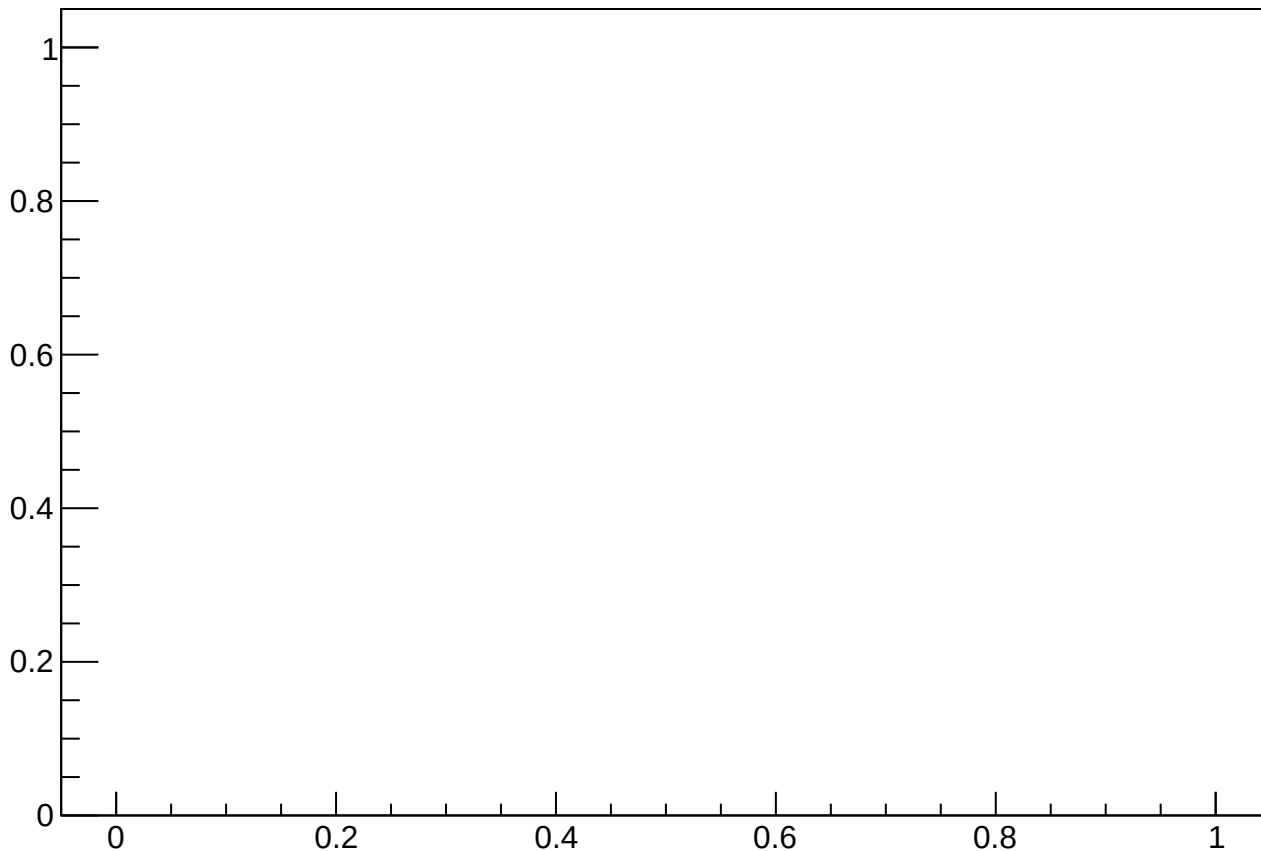
Right: 5004.922+/-0.544 χ^2/NDF : 372009.4/30

In: 6321.564+/-0.593 χ^2/NDF : 4066518.2/25

Out: 5714.062+/-0.564 χ^2/NDF : 3604035.9/27

All: 6002.303+/-0.409 χ^2/NDF : 8221650.0/53

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

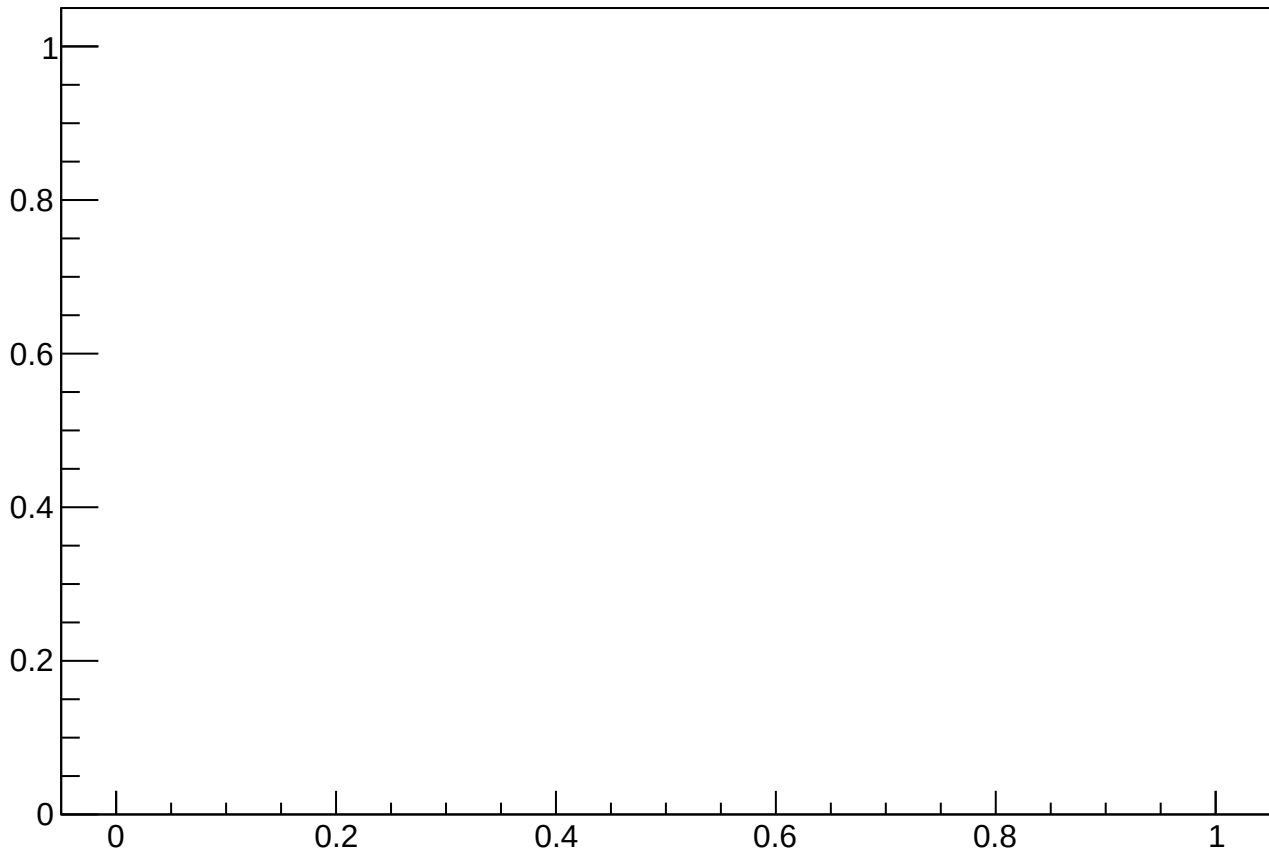
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

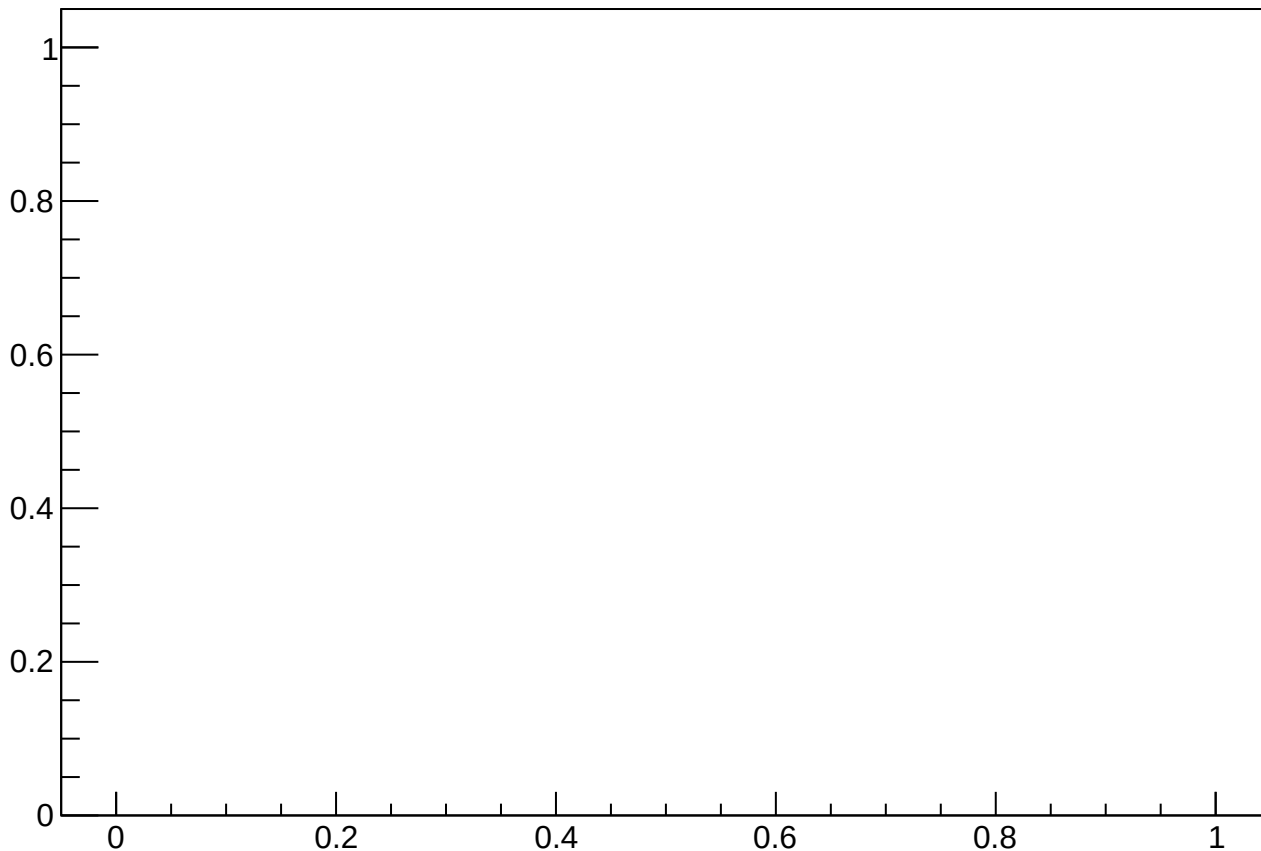
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

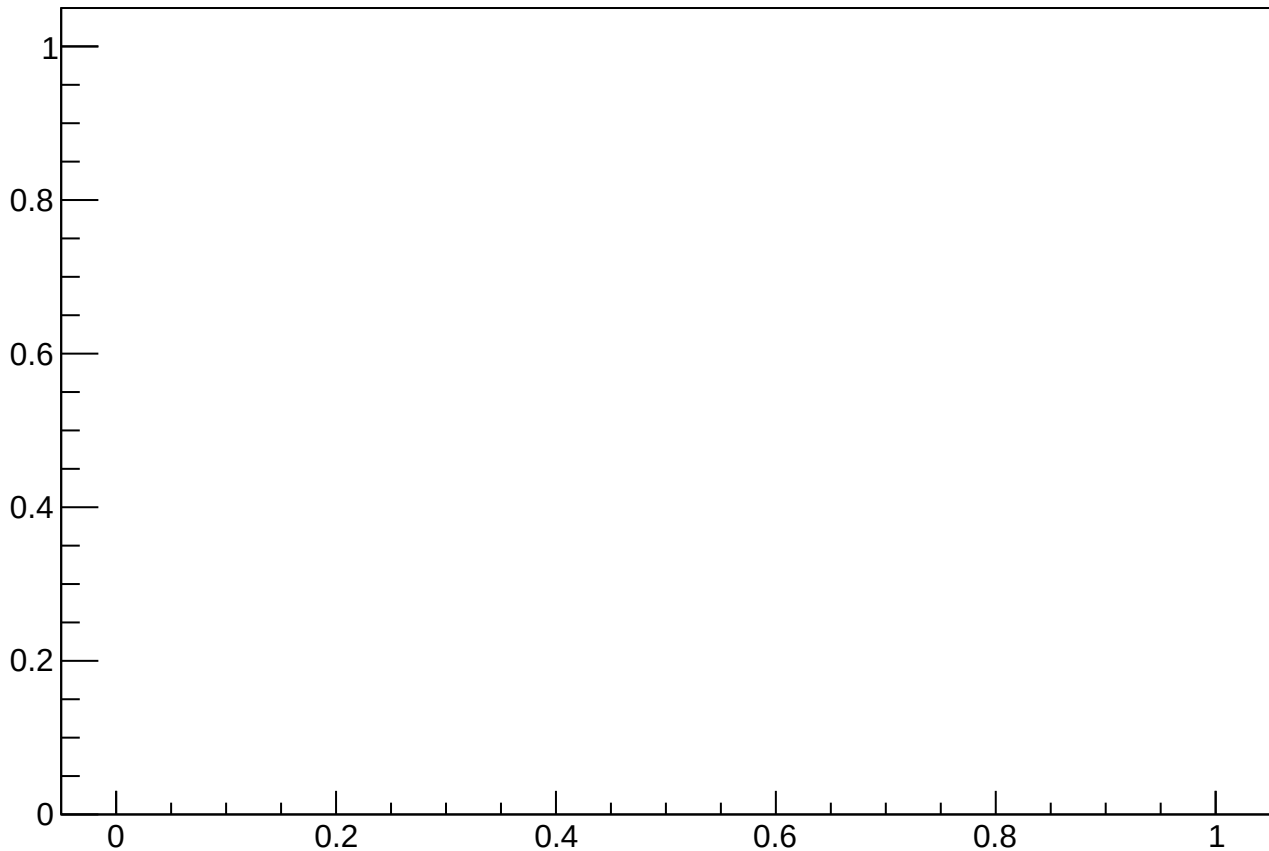
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

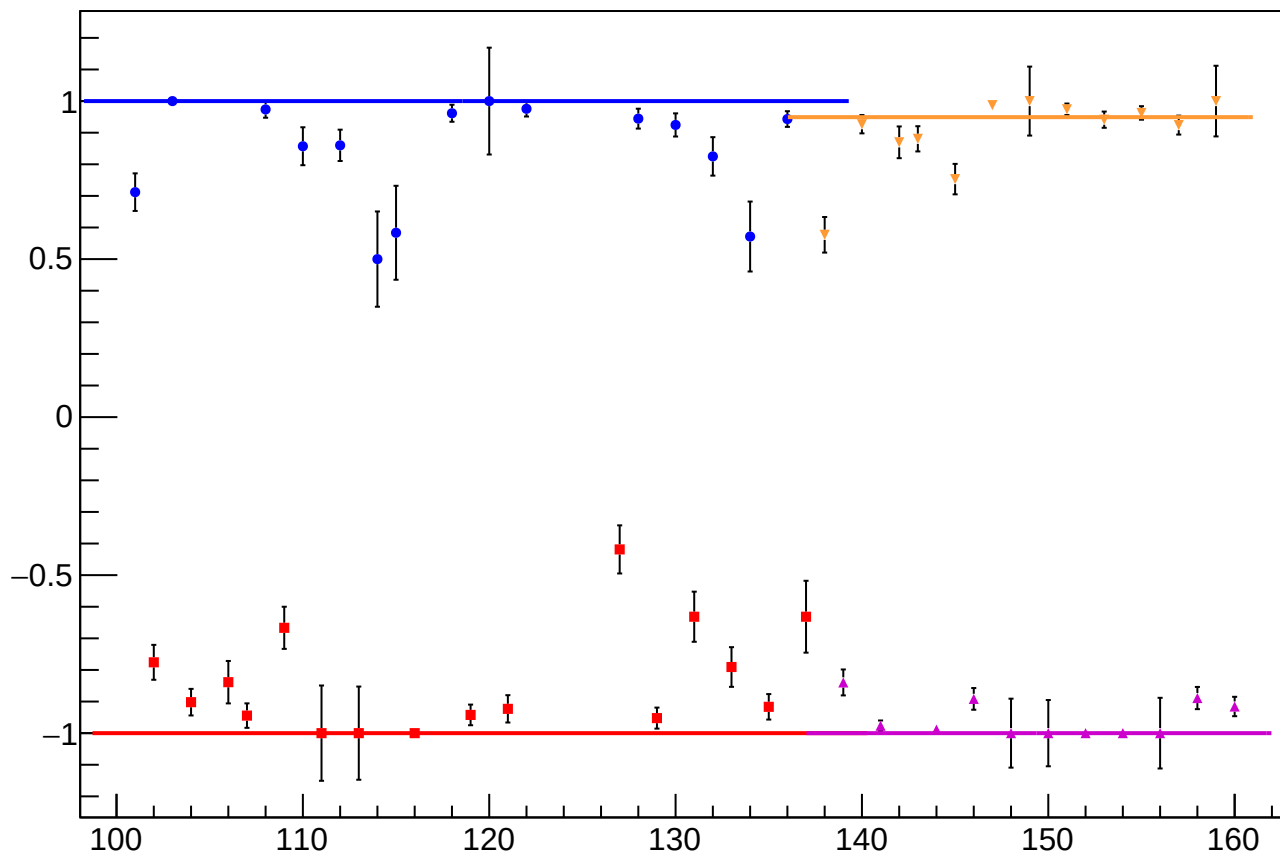
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 0.949 ± 0.008 $\chi^2/\text{NDF}: 78.6/11$

Right Out: -1.000 ± 0.000 $\chi^2/\text{NDF}: 168.9/15$

Left In: -1.000 ± 0.000 $\chi^2/\text{NDF}: 389.8/10$

Left: -1.000 ± 0.000 $\chi^2/\text{NDF}: 65186.1/22$

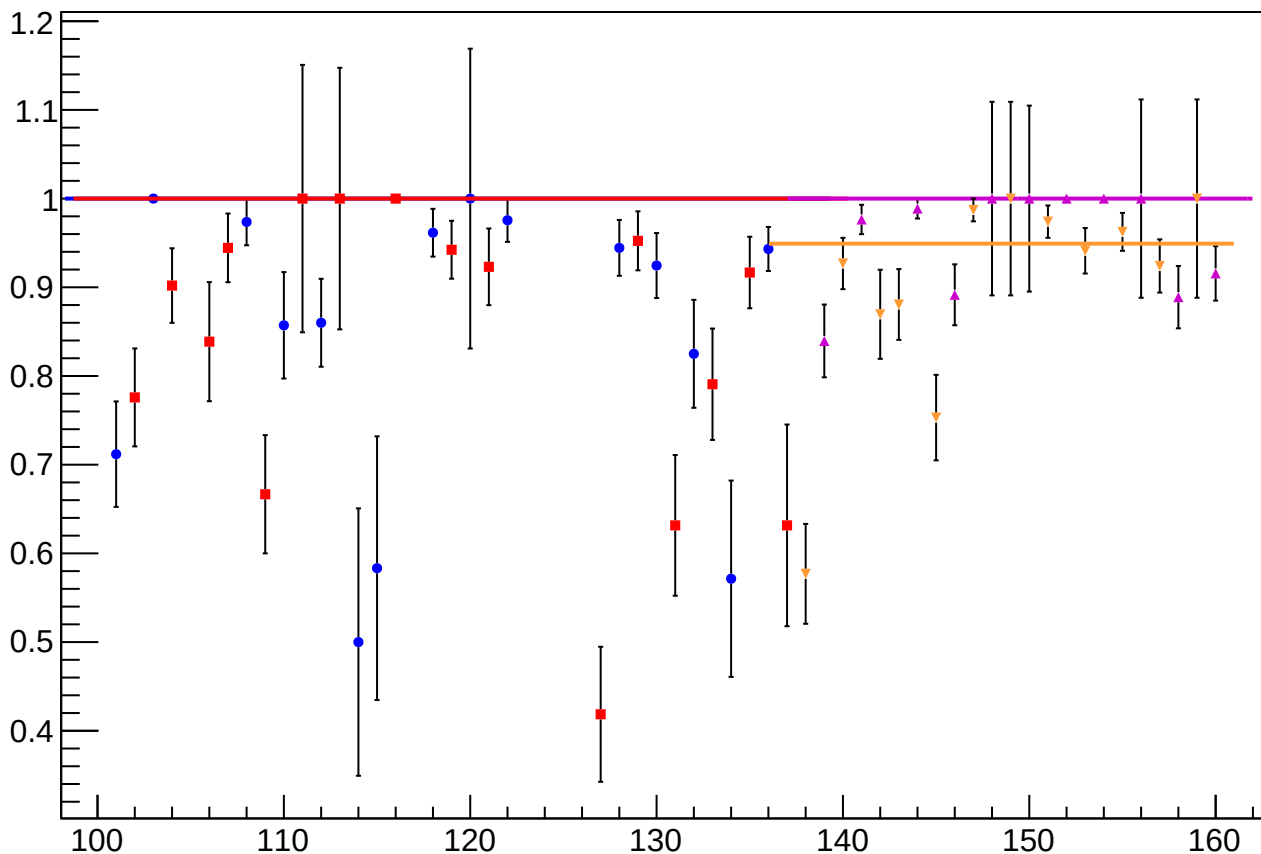
Right: 0.398 ± 0.000 $\chi^2/\text{NDF}: 14173250084479480$

In: -0.500 ± 0.000 $\chi^2/\text{NDF}: 352913927103539123$

Out: -1.000 ± 0.000 $\chi^2/\text{NDF}: 64965.1/27$

All: -0.549 ± 0.000 $\chi^2/\text{NDF}: 3643573099538$

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 $\chi^2/\text{NDF}: 95.9/14$

Left Out: 0.949 ± 0.008 $\chi^2/\text{NDF}: 78.6/11$

Right Out: 1.000 ± 0.000 $\chi^2/\text{NDF}: 168.9/15$

Left In: 1.000 ± 0.000 $\chi^2/\text{NDF}: 389.8/10$

Left: 1.000 ± 0.000 $\chi^2/\text{NDF}: 512.4/22$

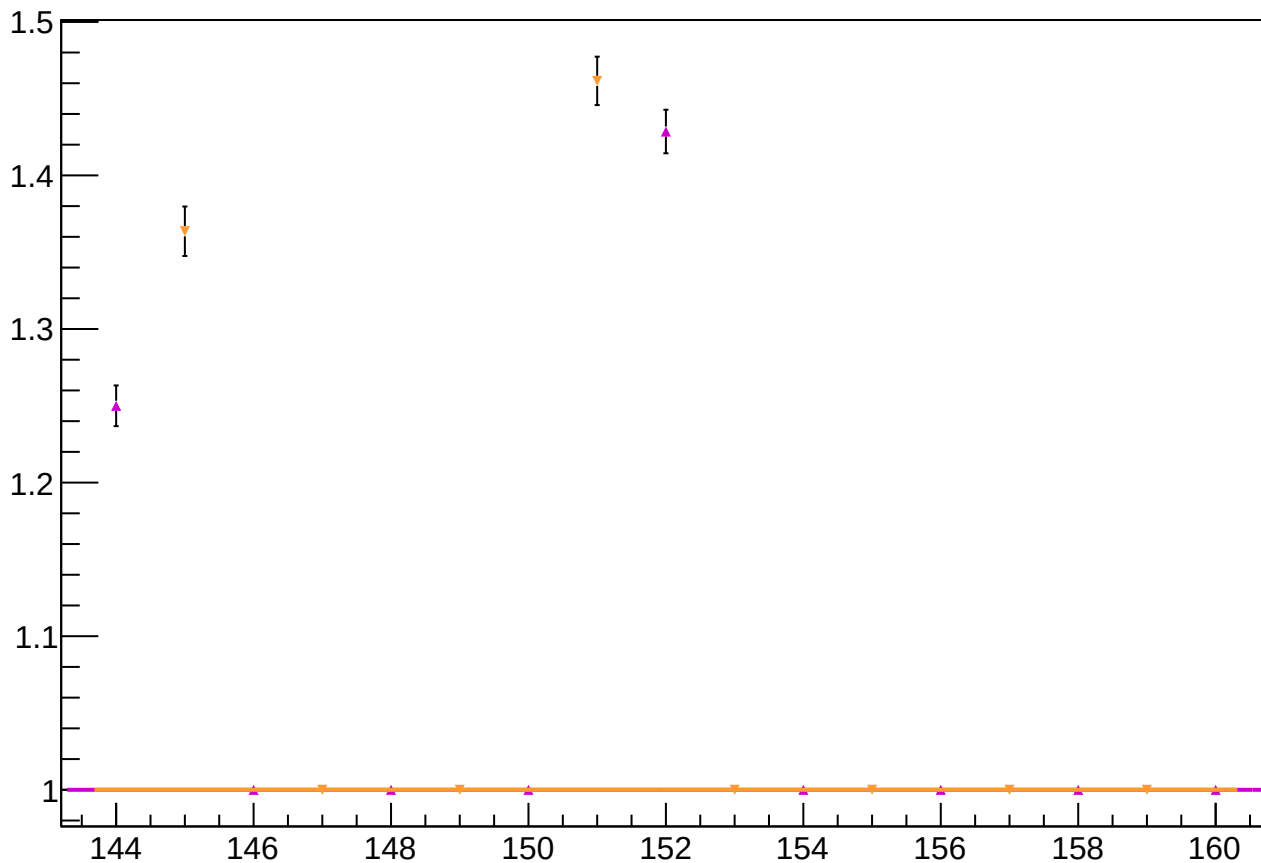
Right: 1.000 ± 0.000 $\chi^2/\text{NDF}: 347.8/30$

In: 1.000 ± 0.000 $\chi^2/\text{NDF}: 485.7/25$

Out: 1.000 ± 0.000 $\chi^2/\text{NDF}: 291.4/27$

All: 1.000 ± 0.000 $\chi^2/\text{NDF}: 777.2/53$

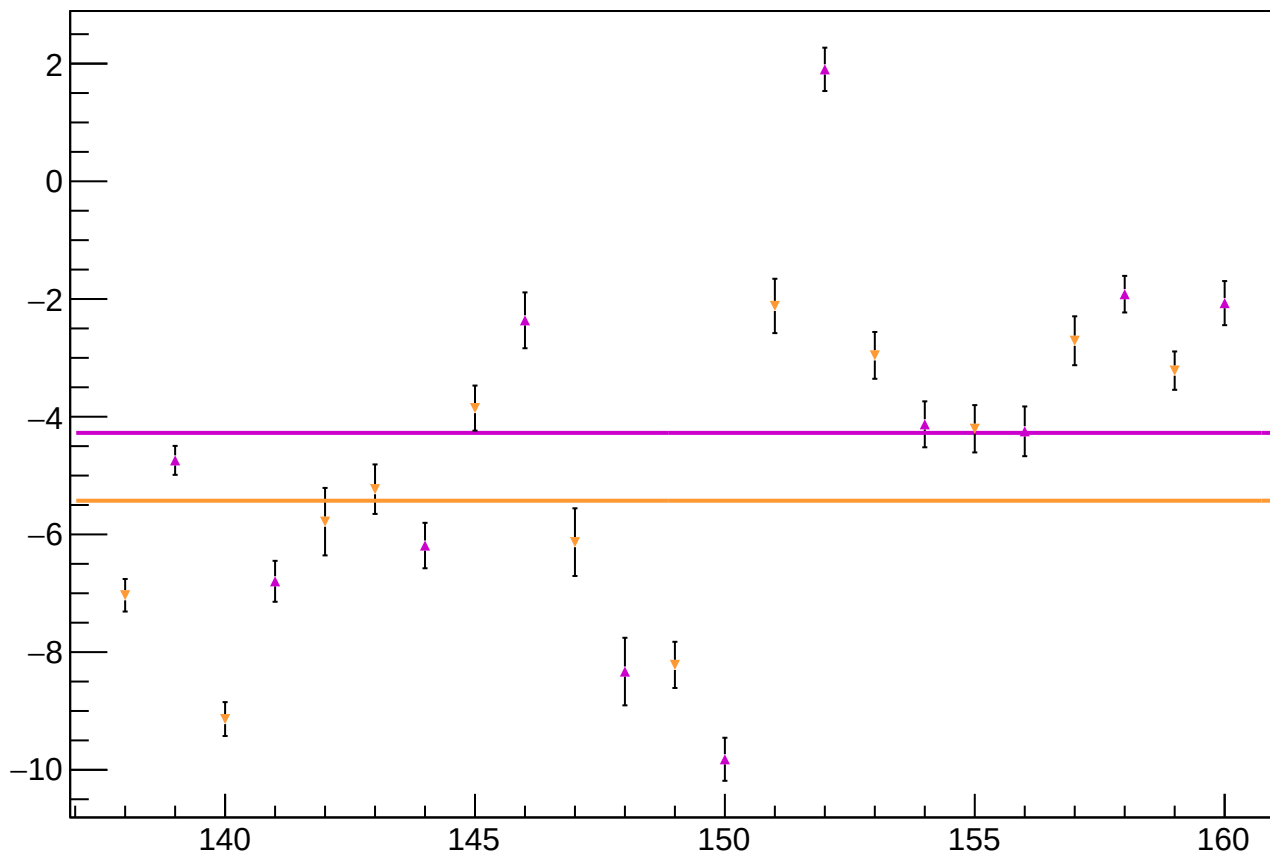
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF :2661.5/7
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF :1857.5/8

Left: 1.000+/-0.000 χ^2/NDF : 5239.0/16
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF :1857.5/8
Out: 1.000+/-0.000 χ^2/NDF :2661.5/7
All: 1.000+/-0.000 χ^2/NDF : 5239.0/16

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



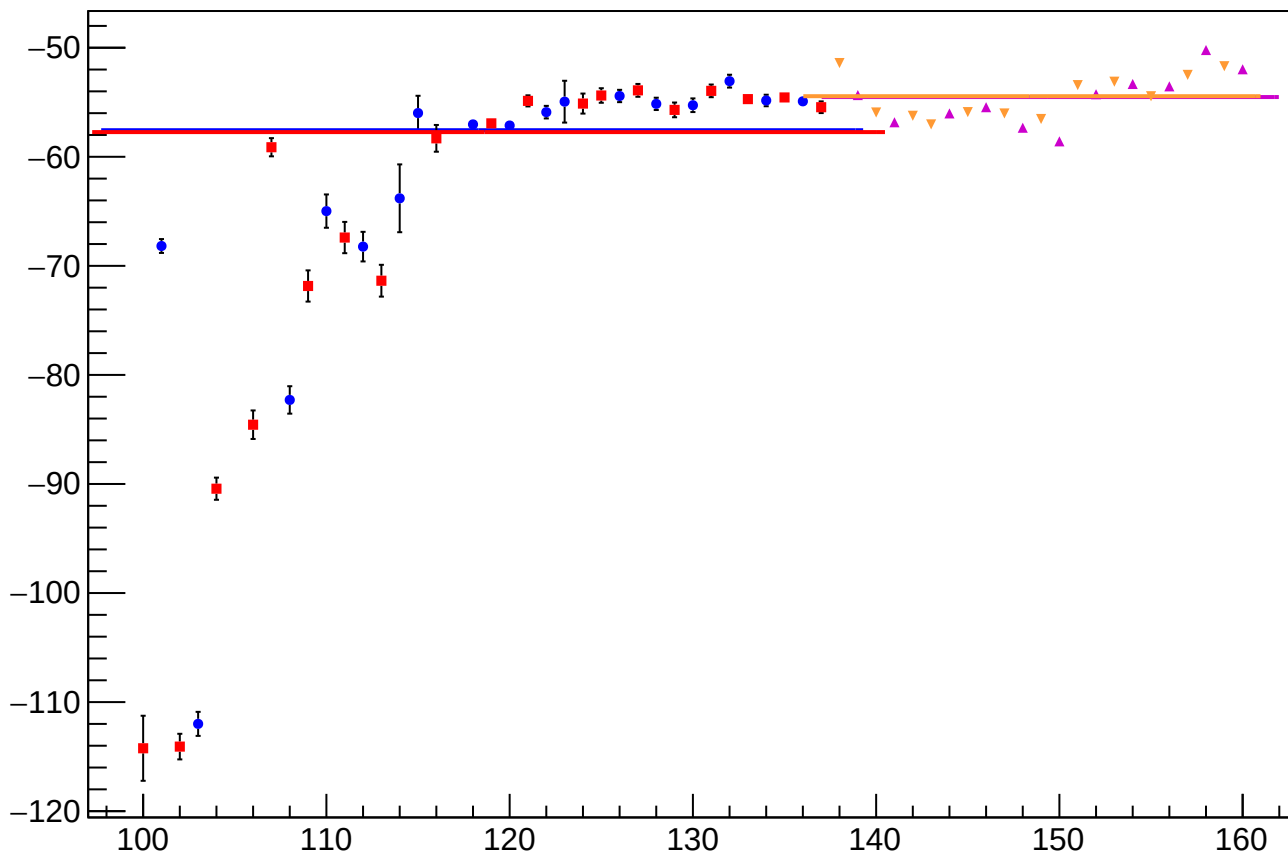
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -5.427 ± 0.110 $\chi^2/\text{NDF}: 457.1/11$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -4.275 ± 0.109 $\chi^2/\text{NDF}: 750.3/10$

Left: -4.848 ± 0.078 $\chi^2/\text{NDF}: 1262.5/22$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -4.275 ± 0.109 $\chi^2/\text{NDF}: 750.3/10$
 Out: -5.427 ± 0.110 $\chi^2/\text{NDF}: 457.1/11$

All: -4.848 ± 0.078 $\chi^2/\text{NDF}: 1262.5/22$

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.563 ± 0.141 χ^2/NDF : 3455.9/16

Left Out: -54.444 ± 0.081 χ^2/NDF : 578.5/11

Right Out: -57.736 ± 0.143 χ^2/NDF : 4698.4/18

Left In: -54.522 ± 0.082 χ^2/NDF : 1021.4/10

Left: -54.483 ± 0.058 χ^2/NDF : 1600.3/22

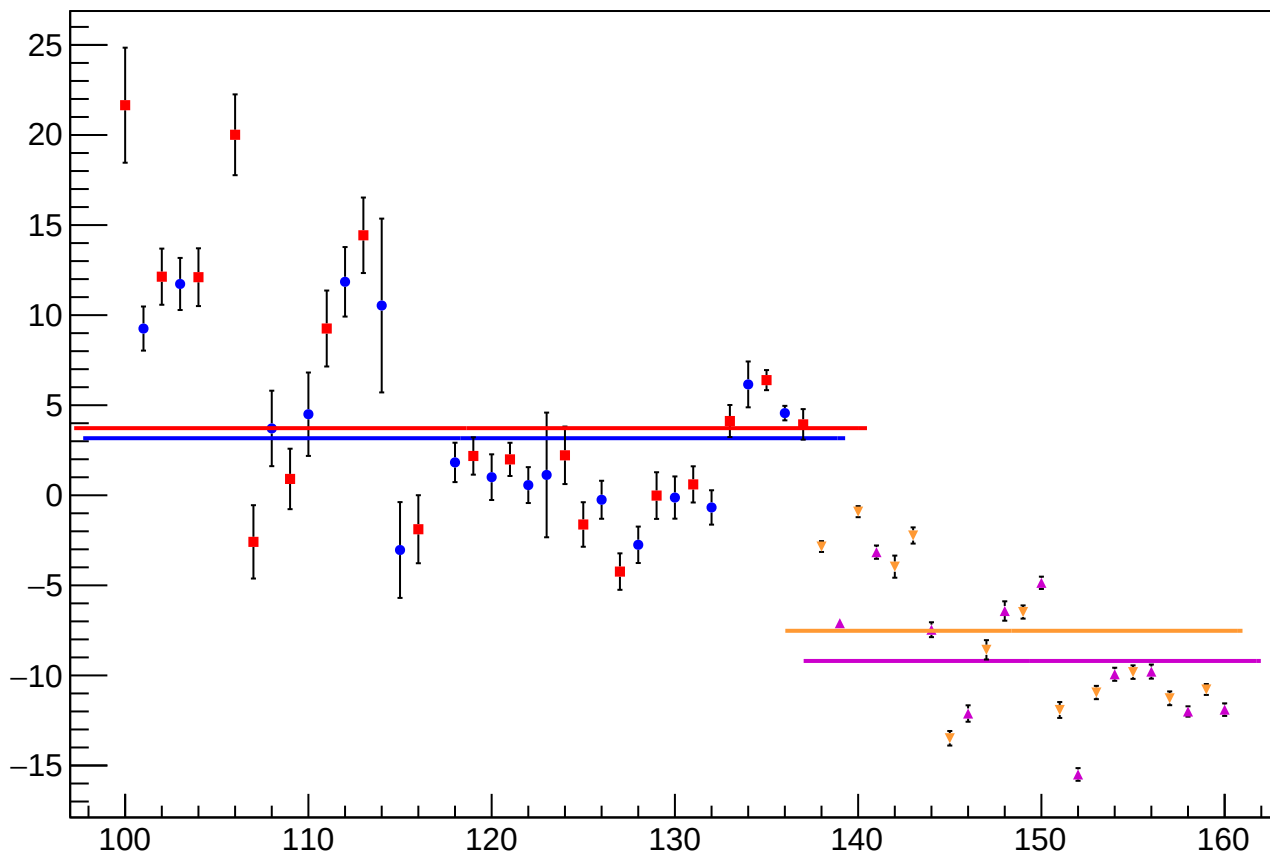
Right: -57.649 ± 0.101 χ^2/NDF : 8155.1/35

In: -55.287 ± 0.071 χ^2/NDF : 4823.2/27

Out: -55.239 ± 0.070 χ^2/NDF : 5678.7/30

All: -55.263 ± 0.050 χ^2/NDF : 10502.1/58

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.168 ± 0.258 $\chi^2/\text{NDF}: 186.2/16$

Left Out: -7.522 ± 0.109 $\chi^2/\text{NDF}: 1544.0/11$

Right Out: 3.726 ± 0.267 $\chi^2/\text{NDF}: 323.3/18$

Left In: -9.196 ± 0.107 $\chi^2/\text{NDF}: 1056.3/10$

Left: -8.374 ± 0.077 $\chi^2/\text{NDF}: 2719.7/22$

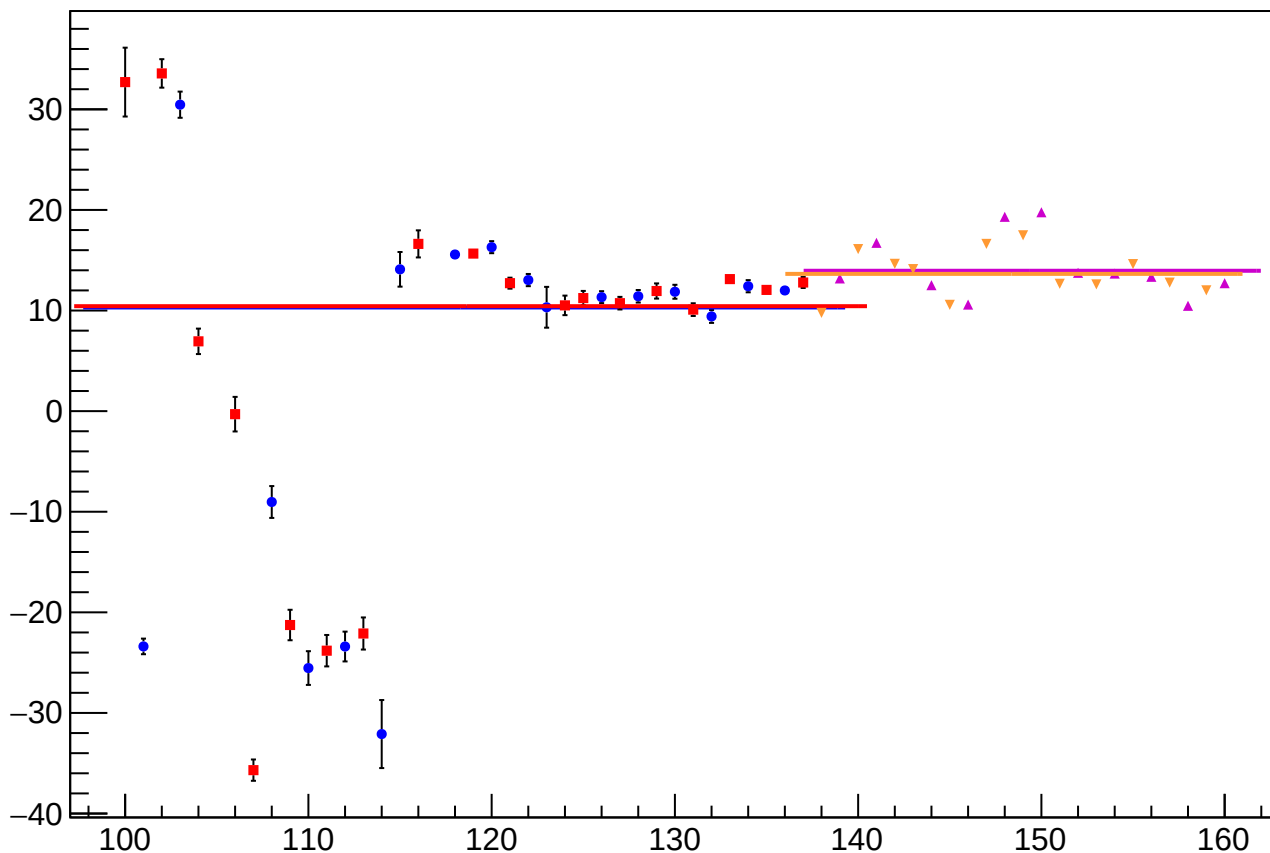
Right: 3.437 ± 0.185 $\chi^2/\text{NDF}: 511.7/35$

In: -7.366 ± 0.099 $\chi^2/\text{NDF}: 3203.3/27$

Out: -5.908 ± 0.101 $\chi^2/\text{NDF}: 3386.4/30$

All: -6.651 ± 0.071 $\chi^2/\text{NDF}: 6695.5/58$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.306 $\pm$ 0.157 χ^2 /NDF: 3712.3/16

Left Out: 13.644 $\pm$ 0.094 χ^2 /NDF:572.1/11

Right Out: 10.433 $\pm$ 0.160 χ^2 /NDF: 3828.5/18

Left In: 13.953 $\pm$ 0.094 χ^2 /NDF:1040.5/10

Left: 13.799 $\pm$ 0.067 χ^2 /NDF: 1618.0/22

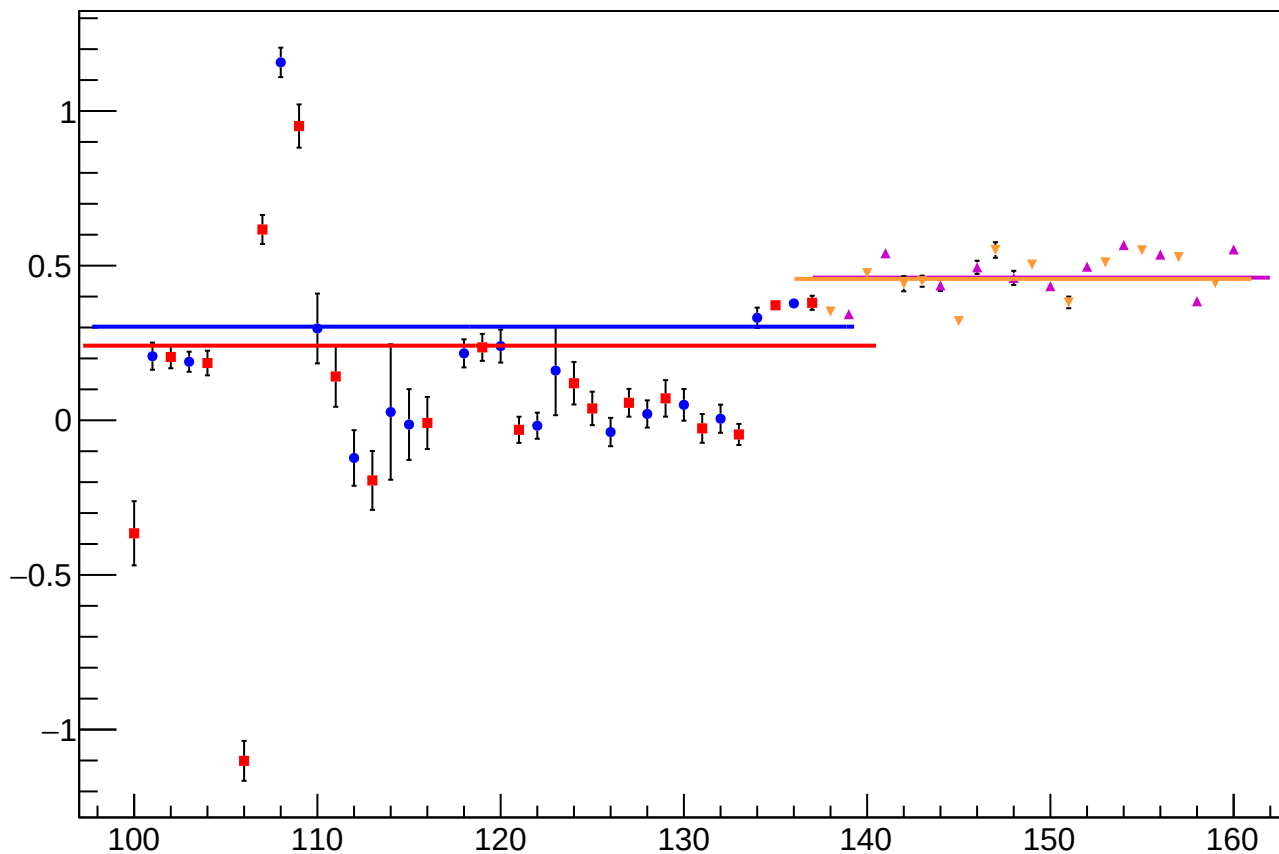
Right: 10.368 $\pm$ 0.112 χ^2 /NDF: 7541.1/35

In: 12.989 $\pm$ 0.081 χ^2 /NDF:5150.9/27

Out: 12.816 $\pm$ 0.081 χ^2 /NDF:4699.8/30

All: 12.903 $\pm$ 0.057 χ^2 /NDF: 9853.0/58

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2/NDF : 646.6/16

Left Out: 0.457 $\pm$ 0.004 χ^2/NDF : 297.9/11

Right Out: 0.241 $\pm$ 0.008 χ^2/NDF : 986.7/18

Left In: 0.461 $\pm$ 0.004 χ^2/NDF : 408.5/10

Left: 0.459 $\pm$ 0.003 χ^2/NDF : 706.9/22

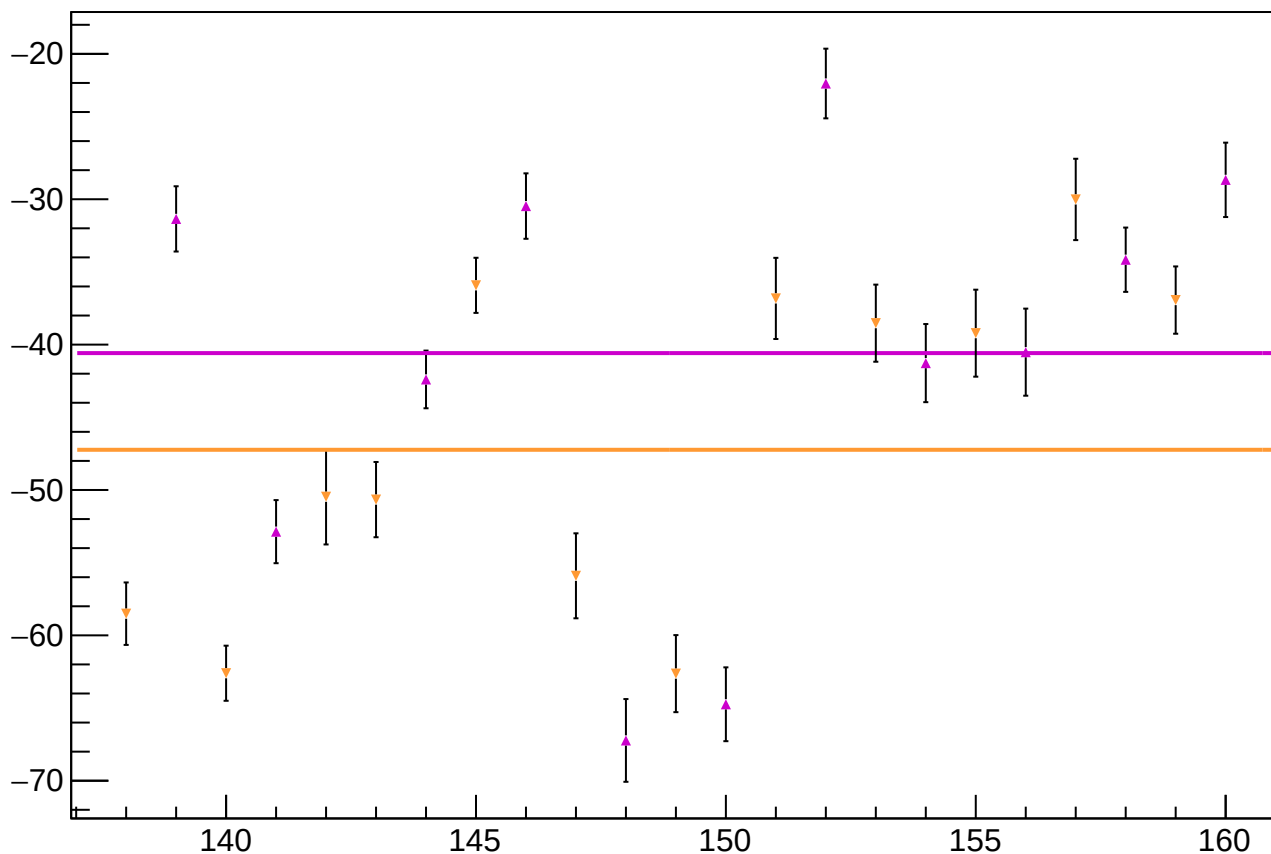
Right: 0.273 $\pm$ 0.006 χ^2/NDF : 1660.4/35

In: 0.430 $\pm$ 0.004 χ^2/NDF : 1355.8/27

Out: 0.415 $\pm$ 0.004 χ^2/NDF : 1803.2/30

All: 0.423 $\pm$ 0.003 χ^2/NDF : 3167.7/58

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -47.235+/-0.712 χ^2/NDF :263.8/11

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

Left In: -40.584+/-0.721 χ^2/NDF :338.2/10

Left: -43.951+/-0.507 χ^2/NDF : 645.0/22

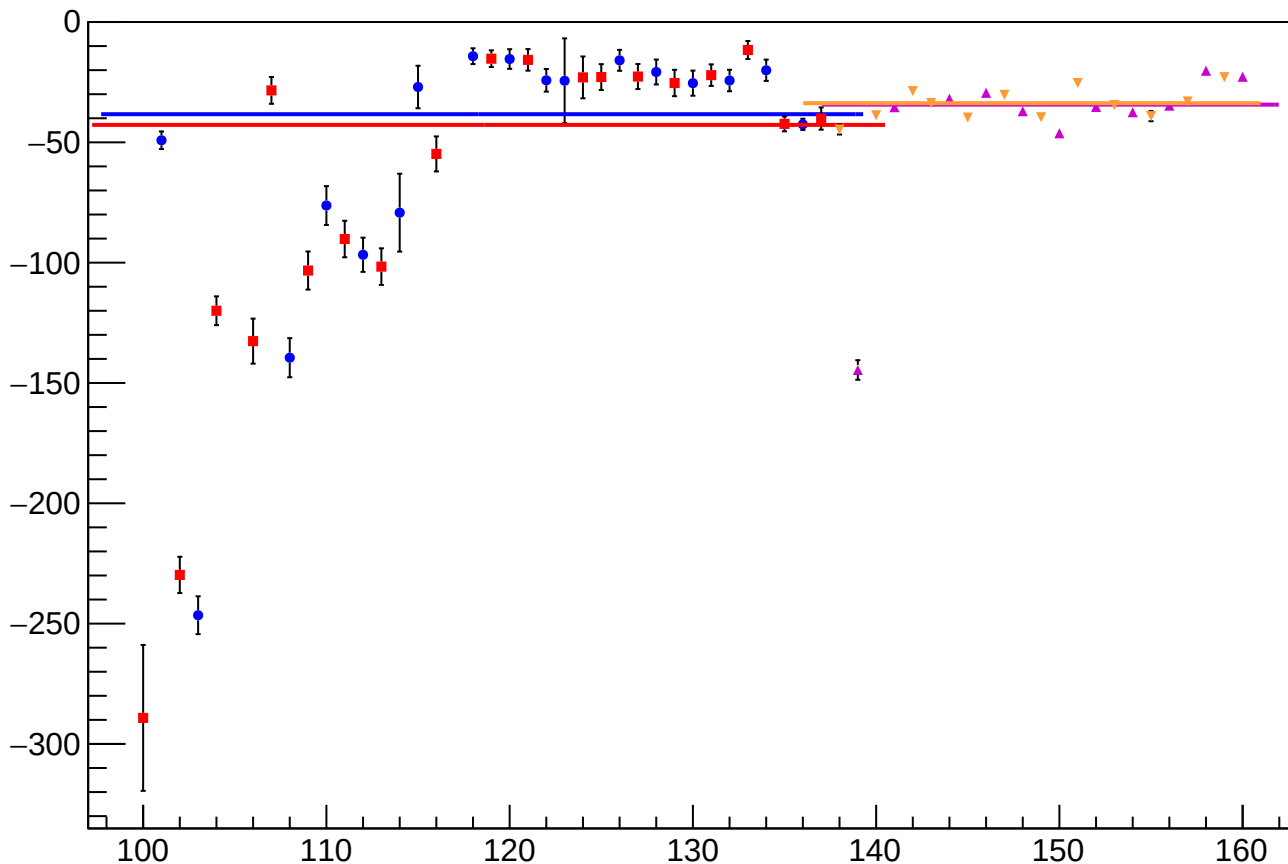
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.584+/-0.721 χ^2/NDF :338.2/10

Out: -47.235+/-0.712 χ^2/NDF :263.8/11

All: -43.951+/-0.507 χ^2/NDF : 645.0/22

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.309 ± 1.137 $\chi^2/\text{NDF}: 1132.7/16$

Left Out: -33.738 ± 0.498 $\chi^2/\text{NDF}: 155.9/11$

Right Out: -42.756 ± 1.211 $\chi^2/\text{NDF}: 1341.6/18$

Left In: -34.331 ± 0.501 $\chi^2/\text{NDF}: 937.6/10$

Left: -34.032 ± 0.353 $\chi^2/\text{NDF}: 1094.2/22$

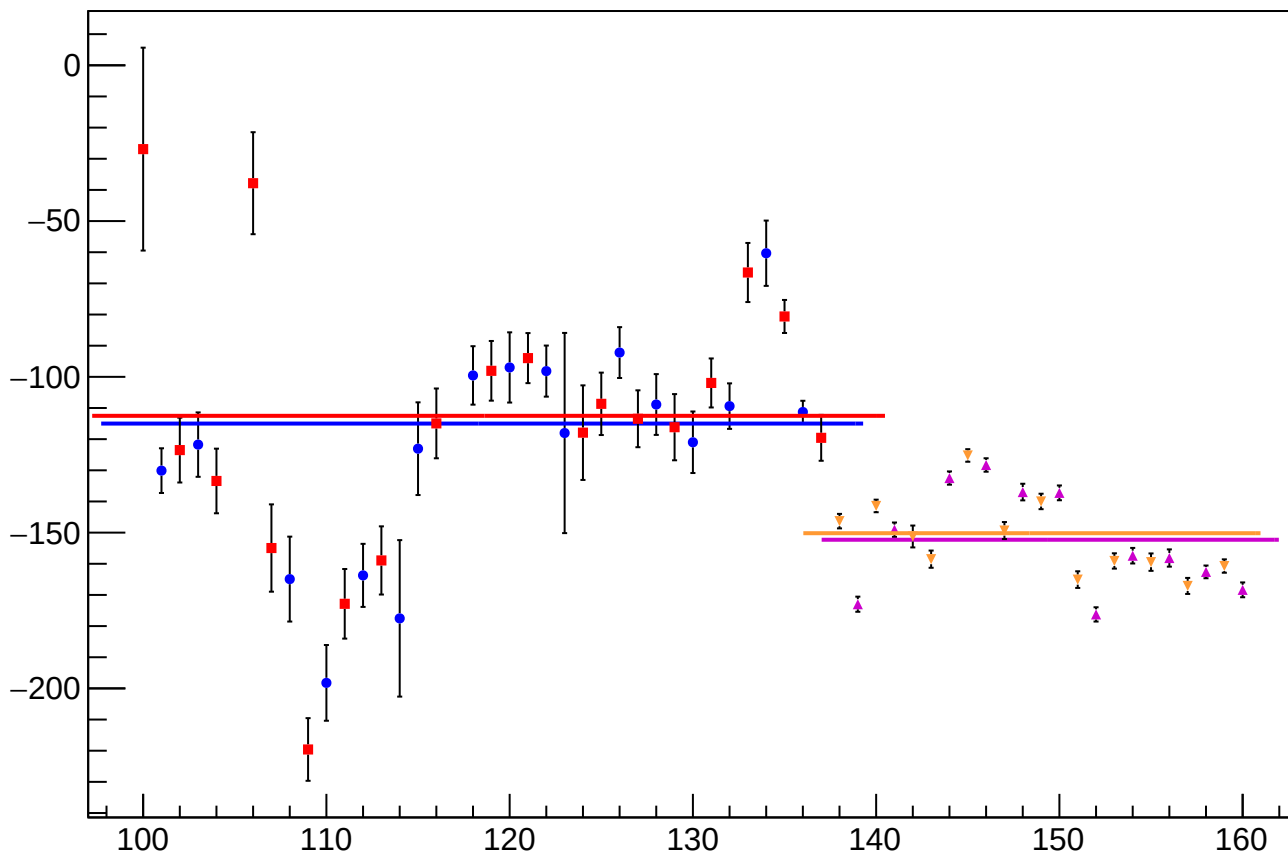
Right: -40.393 ± 0.829 $\chi^2/\text{NDF}: 2481.4/35$

In: -34.978 ± 0.459 $\chi^2/\text{NDF}: 2080.5/27$

Out: -35.042 ± 0.460 $\chi^2/\text{NDF}: 1544.9/30$

All: -35.010 ± 0.325 $\chi^2/\text{NDF}: 3625.5/58$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -114.996 ± 2.072 $\chi^2/\text{NDF}: 141.8/16$

Left Out: -150.187 ± 0.710 $\chi^2/\text{NDF}: 323.3/11$

Right Out: -112.510 ± 2.207 $\chi^2/\text{NDF}: 273.1/18$

Left In: -152.288 ± 0.706 $\chi^2/\text{NDF}: 547.1/10$

Left: -151.243 ± 0.500 $\chi^2/\text{NDF}: 874.8/22$

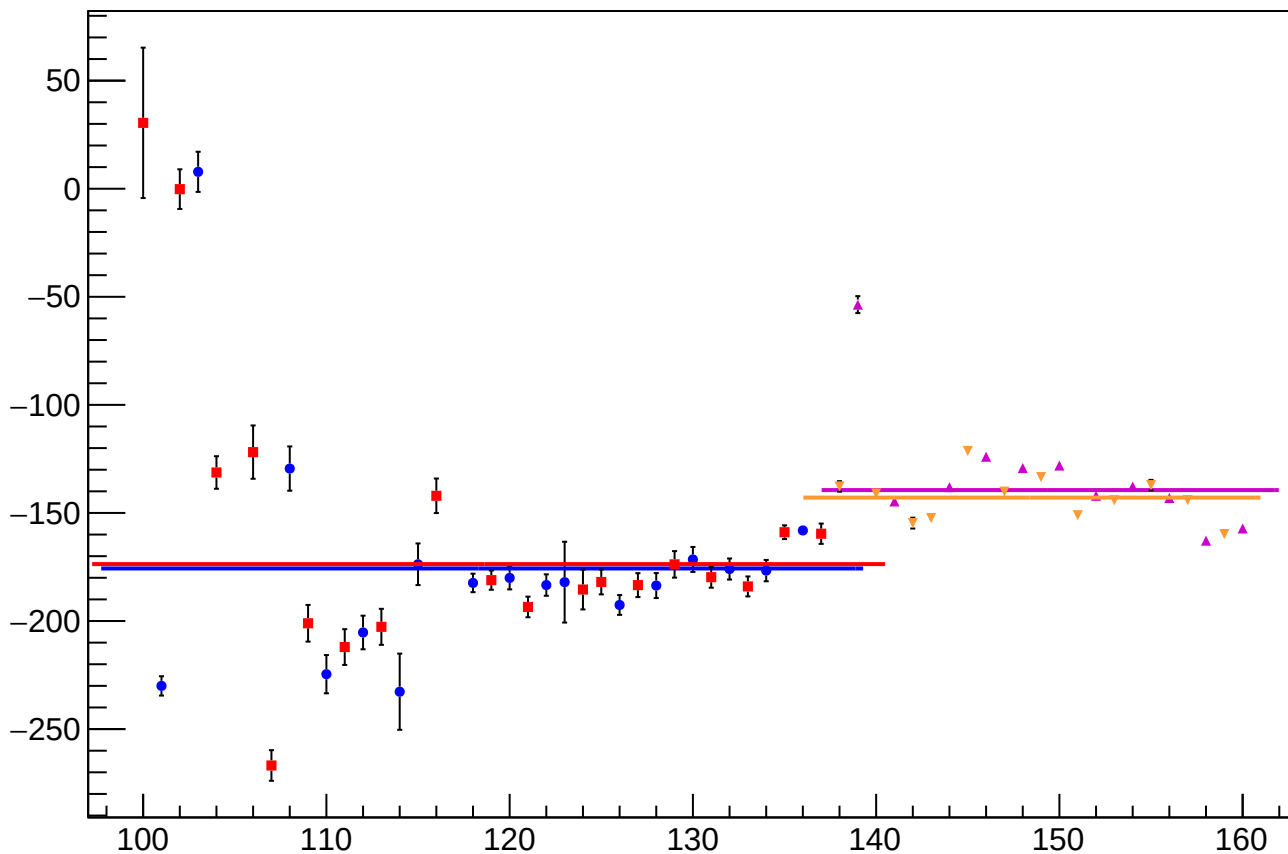
Right: -113.831 ± 1.511 $\chi^2/\text{NDF}: 415.6/35$

In: -148.412 ± 0.668 $\chi^2/\text{NDF}: 979.1/27$

Out: -146.656 ± 0.676 $\chi^2/\text{NDF}: 860.6/30$

All: -147.544 ± 0.475 $\chi^2/\text{NDF}: 1843.1/58$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.696 ± 1.268 χ^2/NDF : 692.9/16

Left Out: -142.895 ± 0.593 χ^2/NDF : 343.9/11

Right Out: -173.666 ± 1.356 χ^2/NDF : 737.7/18

Left In: -139.422 ± 0.590 χ^2/NDF : 936.9/10

Left: -141.151 ± 0.418 χ^2/NDF : 1298.0/22

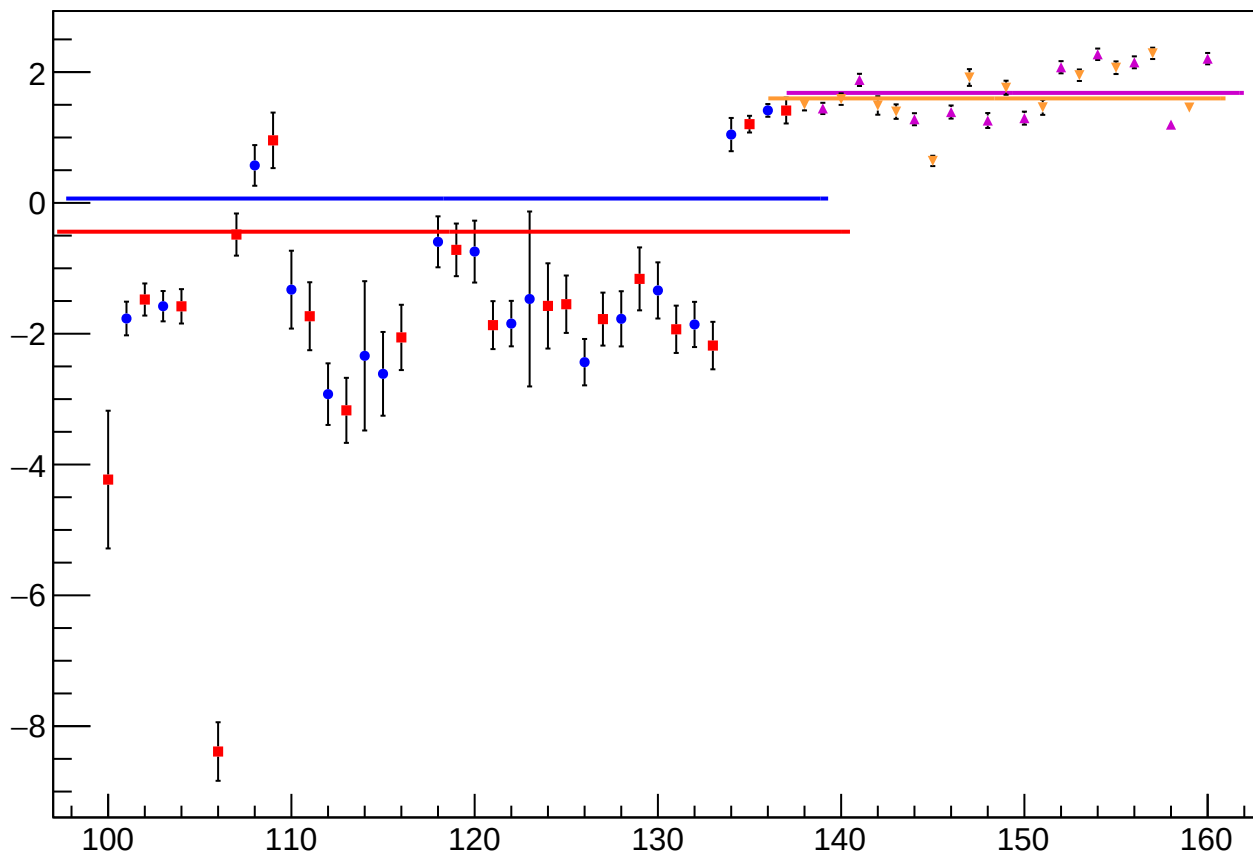
Right: -174.749 ± 0.926 χ^2/NDF : 1431.8/35

In: -145.889 ± 0.535 χ^2/NDF : 2302.7/27

Out: -147.835 ± 0.543 χ^2/NDF : 1514.0/30

All: -146.848 ± 0.381 χ^2/NDF : 3823.2/58

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 ± 0.067 $\chi^2/\text{NDF}: 526.1/16$

Left Out: 1.598 ± 0.028 $\chi^2/\text{NDF}: 266.8/11$

Right Out: -0.440 ± 0.071 $\chi^2/\text{NDF}: 754.9/18$

Left In: 1.682 ± 0.027 $\chi^2/\text{NDF}: 237.8/10$

Left: 1.640 ± 0.020 $\chi^2/\text{NDF}: 509.3/22$

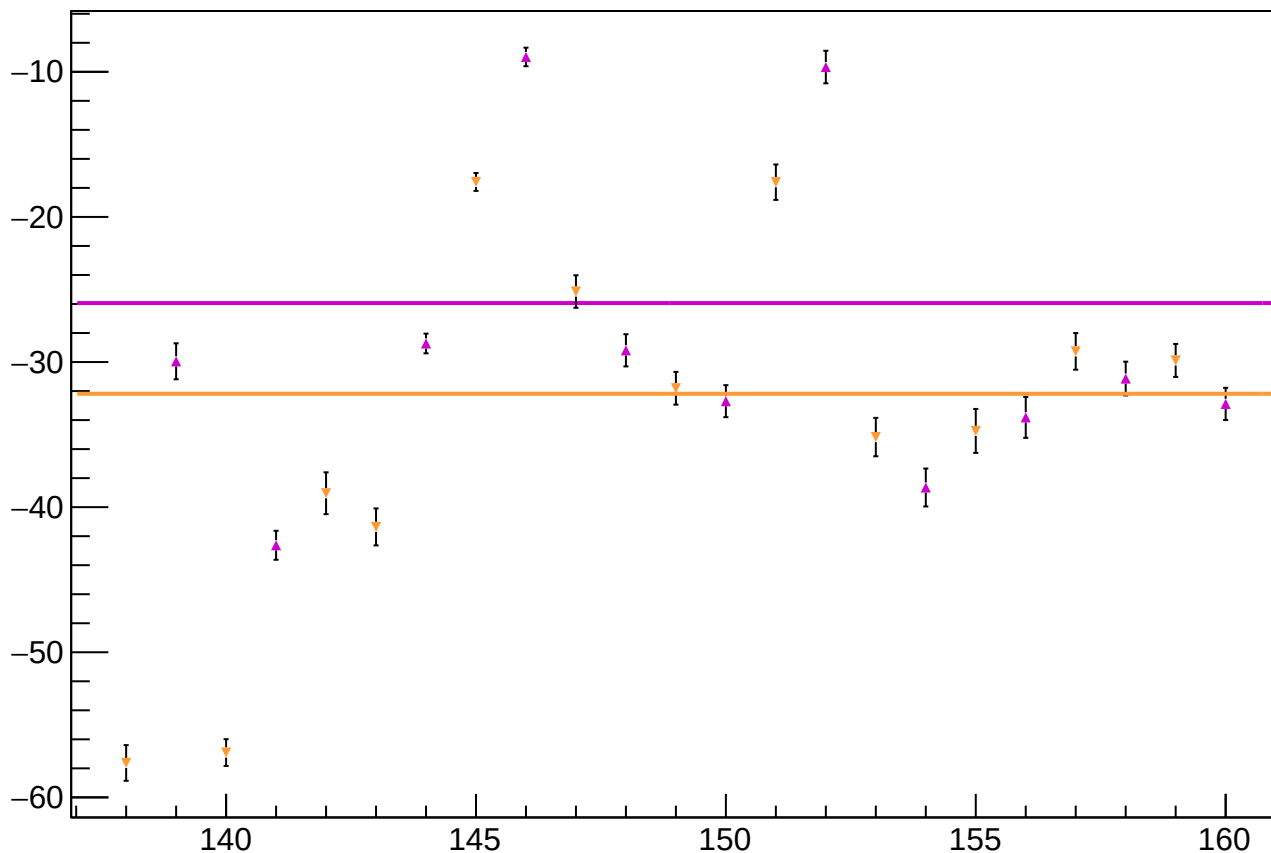
Right: -0.172 ± 0.049 $\chi^2/\text{NDF}: 1308.0/35$

In: 1.450 ± 0.025 $\chi^2/\text{NDF}: 1262.0/27$

Out: 1.328 ± 0.026 $\chi^2/\text{NDF}: 1734.5/30$

All: 1.390 ± 0.018 $\chi^2/\text{NDF}: 3007.8/58$

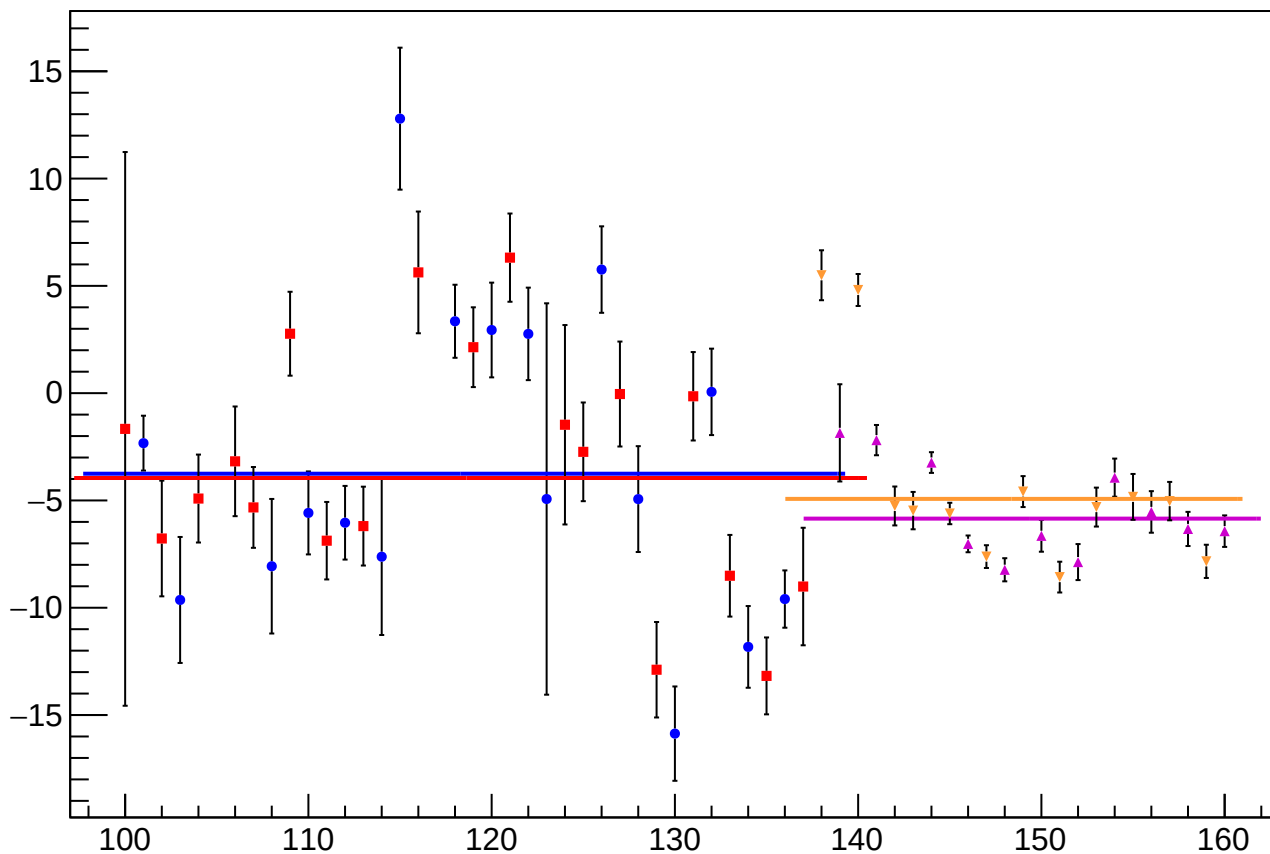
reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.187+/-0.313 χ^2/NDF :1980.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -25.935+/-0.297 χ^2/NDF :1454.3/10

Left: -28.896+/-0.215 χ^2/NDF : 3644.5/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -25.935+/-0.297 χ^2/NDF :1454.3/10
 Out: -32.187+/-0.313 χ^2/NDF :1980.0/11
 All: -28.896+/-0.215 χ^2/NDF : 3644.5/22

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.754 ± 0.495 $\chi^2/\text{NDF}: 165.3/16$

Left Out: -4.927 ± 0.216 $\chi^2/\text{NDF}: 319.2/11$

Right Out: -3.954 ± 0.507 $\chi^2/\text{NDF}: 123.3/18$

Left In: -5.847 ± 0.198 $\chi^2/\text{NDF}: 100.7/10$

Left: -5.426 ± 0.146 $\chi^2/\text{NDF}: 429.8/22$

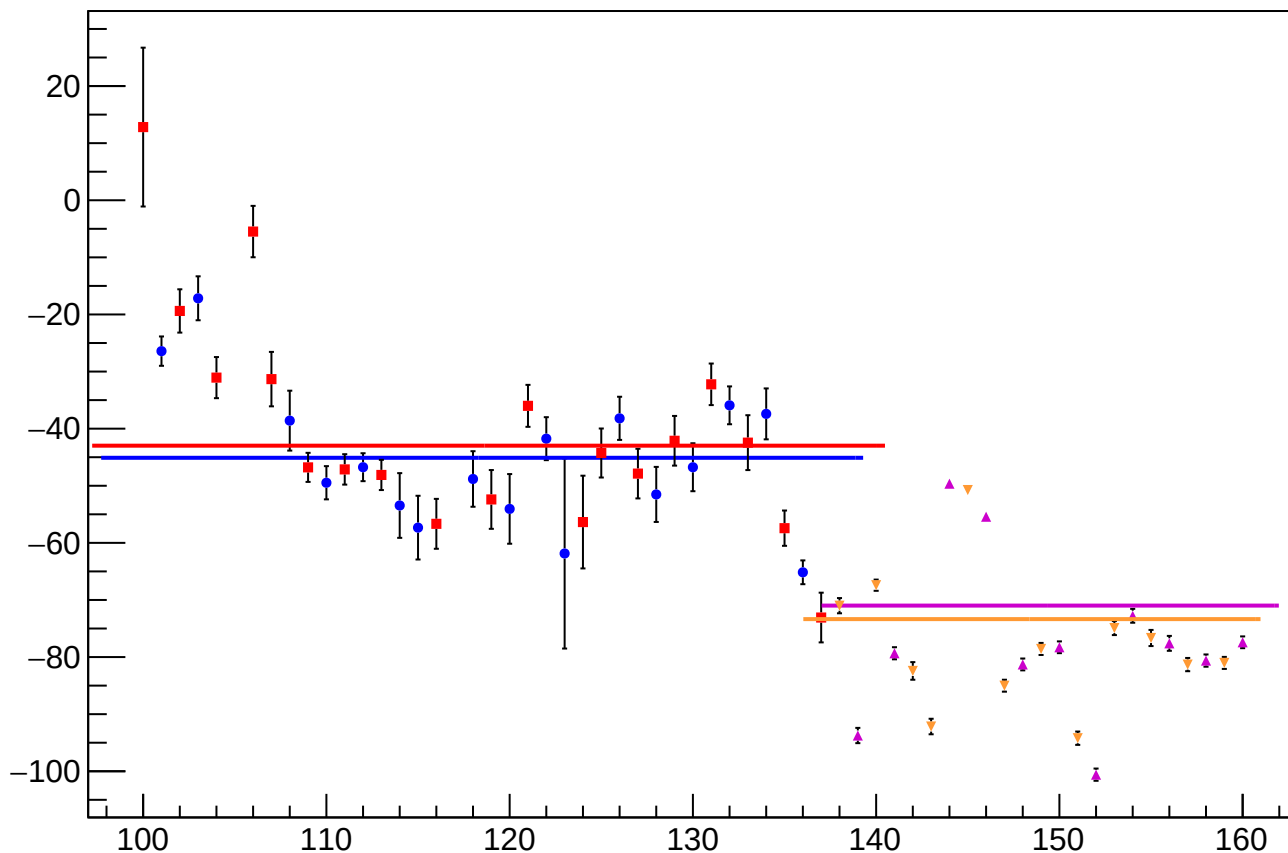
Right: -3.852 ± 0.354 $\chi^2/\text{NDF}: 288.7/35$

In: -5.558 ± 0.184 $\chi^2/\text{NDF}: 281.4/27$

Out: -4.778 ± 0.198 $\chi^2/\text{NDF}: 445.6/30$

All: -5.198 ± 0.135 $\chi^2/\text{NDF}: 735.4/58$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected

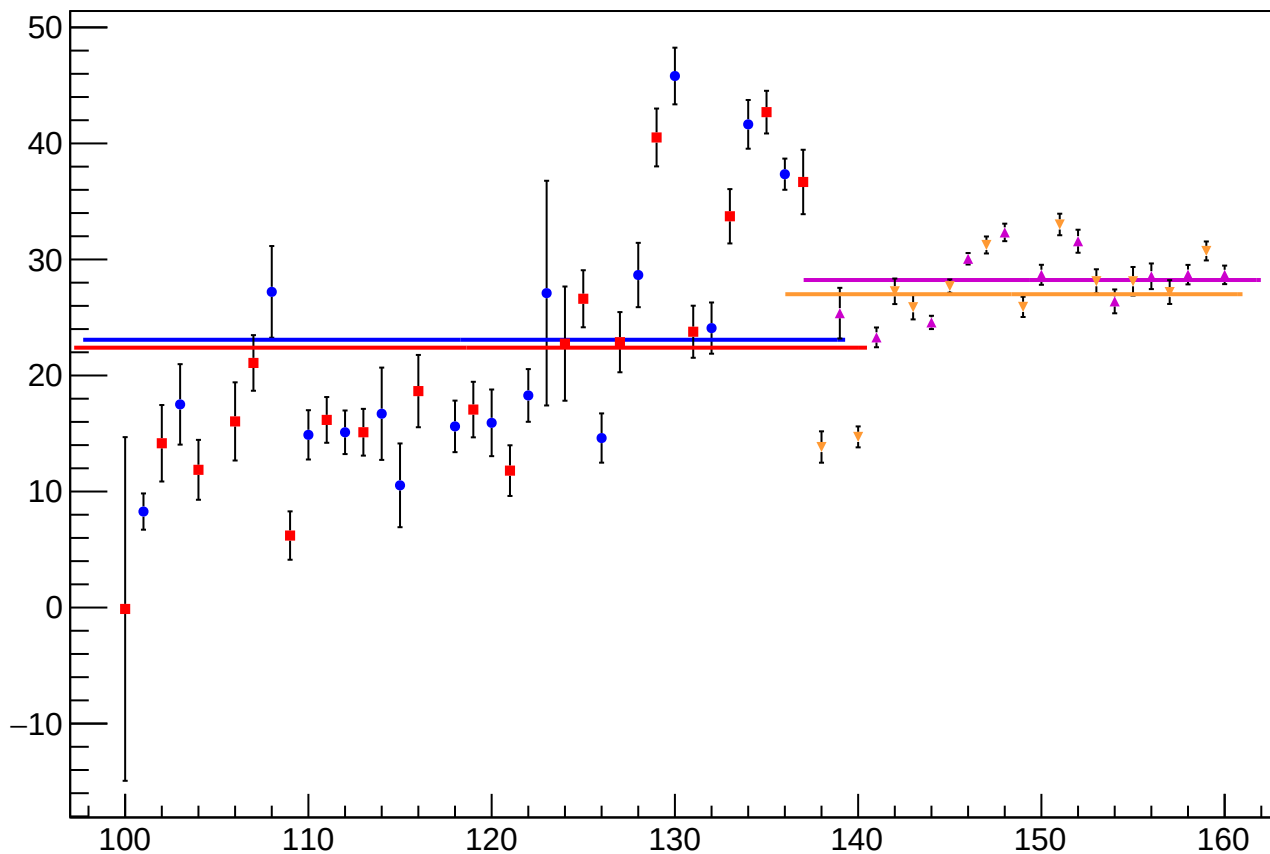


Right In: -45.101 ± 0.881 χ^2/NDF : 229.9/16
 Left Out: -73.354 ± 0.313 χ^2/NDF : 2028.9/11
 Right Out: -42.979 ± 0.877 χ^2/NDF : 248.9/18
 Left In: -70.985 ± 0.291 χ^2/NDF : 2915.2/10

Left: -72.085 ± 0.213 χ^2/NDF : 4975.0/22
 Right: -44.036 ± 0.622 χ^2/NDF : 481.6/35
 In: -68.437 ± 0.276 χ^2/NDF : 3923.6/27
 Out: -69.934 ± 0.294 χ^2/NDF : 3341.4/30

All: -69.138 ± 0.202 χ^2/NDF : 7278.8/58

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.079 $\pm$ 0.556 χ^2 /NDF: 461.1/16

Left Out: 27.005 $\pm$ 0.259 χ^2 /NDF:383.1/11

Right Out: 22.397 $\pm$ 0.572 χ^2 /NDF: 370.3/18

Left In: 28.229 $\pm$ 0.238 χ^2 /NDF:134.9/10

Left: 27.668 $\pm$ 0.175 χ^2 /NDF: 530.0/22

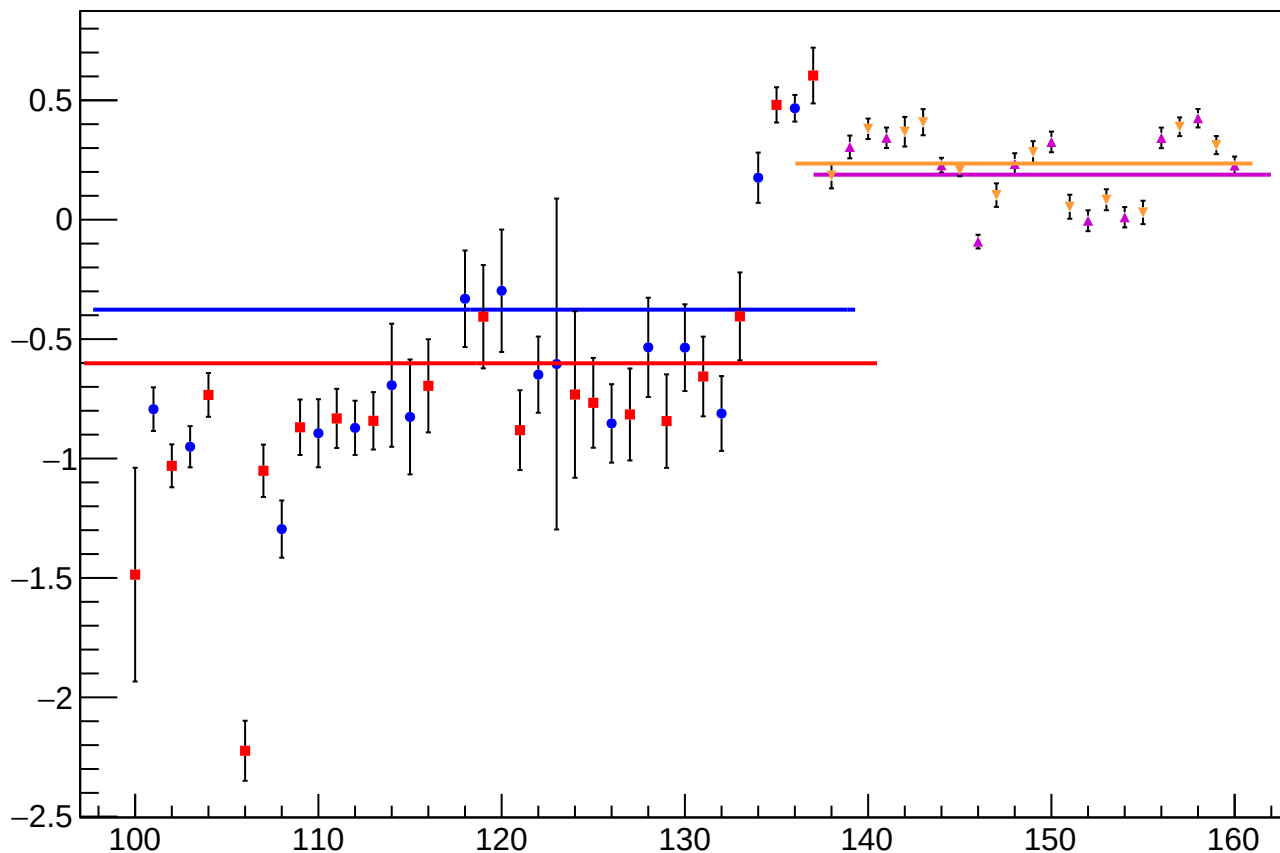
Right: 22.748 $\pm$ 0.399 χ^2 /NDF: 832.1/35

In: 27.429 $\pm$ 0.219 χ^2 /NDF:668.5/27

Out: 26.222 $\pm$ 0.236 χ^2 /NDF:807.2/30

All: 26.870 $\pm$ 0.161 χ^2 /NDF: 1489.7/58

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 χ^2/NDF : 437.1/16

Left Out: 0.235 ± 0.012 χ^2/NDF : 98.6/11

Right Out: -0.601 ± 0.030 χ^2/NDF : 555.6/18

Left In: 0.188 ± 0.012 χ^2/NDF : 215.4/10

Left: 0.211 ± 0.009 χ^2/NDF : 321.5/22

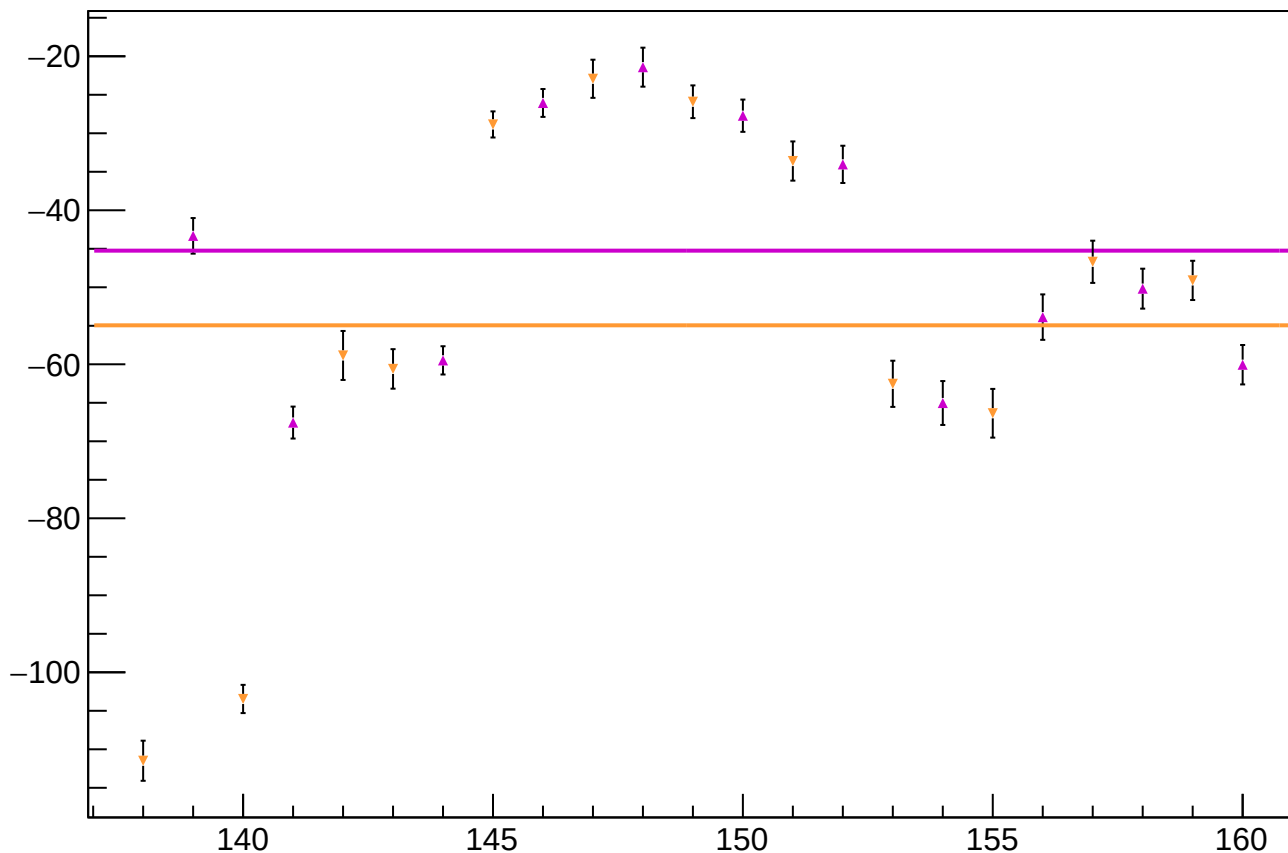
Right: -0.489 ± 0.021 χ^2/NDF : 1020.5/35

In: 0.114 ± 0.011 χ^2/NDF : 959.1/27

Out: 0.115 ± 0.011 χ^2/NDF : 1312.5/30

All: 0.115 ± 0.008 χ^2/NDF : 2271.5/58

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected

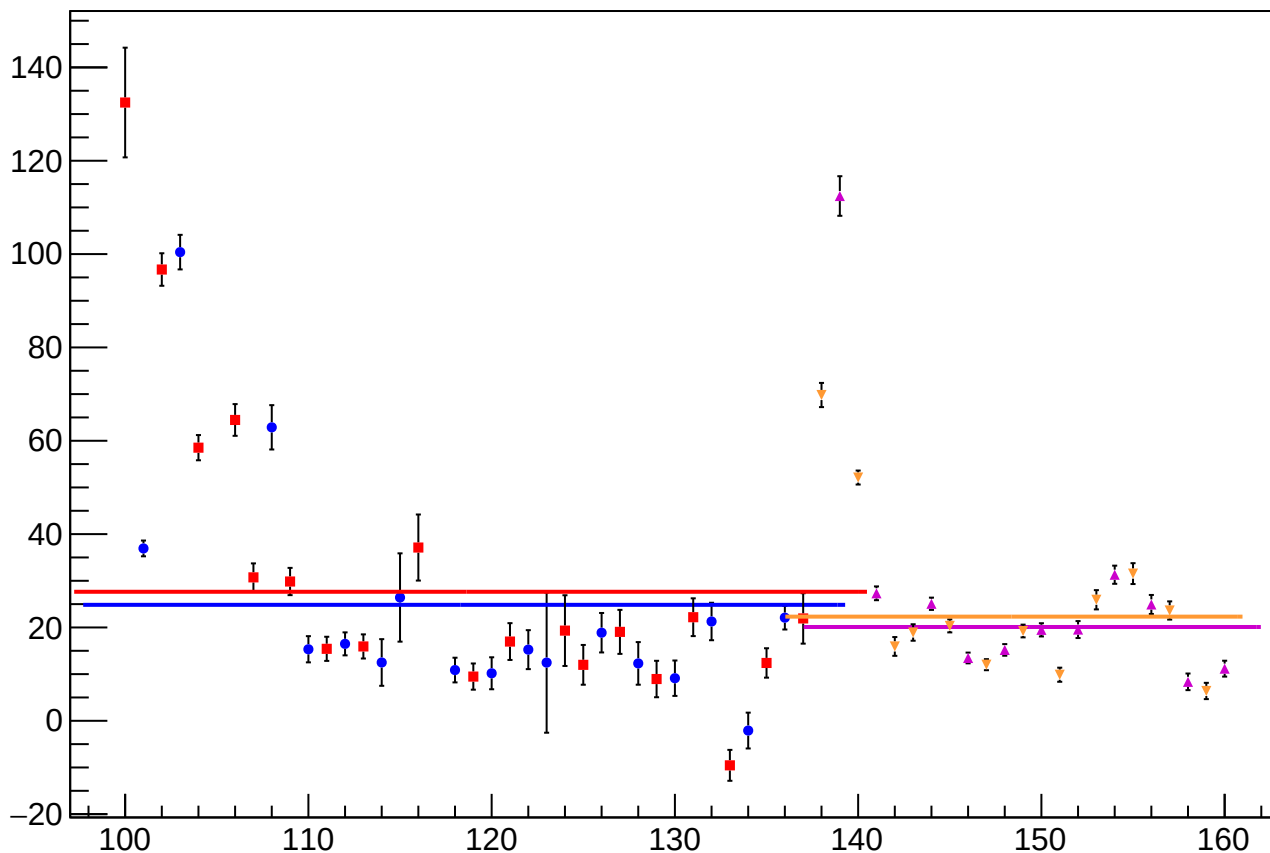


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -54.939+/-0.693 χ^2/NDF :1873.5/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -45.243+/-0.688 χ^2/NDF :562.9/10

Left: -50.052+/-0.488 χ^2/NDF : 2535.1/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -45.243+/-0.688 χ^2/NDF :562.9/10
 Out: -54.939+/-0.693 χ^2/NDF :1873.5/11

All: -50.052+/-0.488 χ^2/NDF : 2535.1/22

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.848 ± 0.801 $\chi^2/\text{NDF}: 690.8/16$

Left Out: 22.320 ± 0.477 $\chi^2/\text{NDF}: 998.8/11$

Right Out: 27.648 ± 0.810 $\chi^2/\text{NDF}: 1009.2/18$

Left In: 20.100 ± 0.473 $\chi^2/\text{NDF}: 671.0/10$

Left: 21.201 ± 0.336 $\chi^2/\text{NDF}: 1680.7/22$

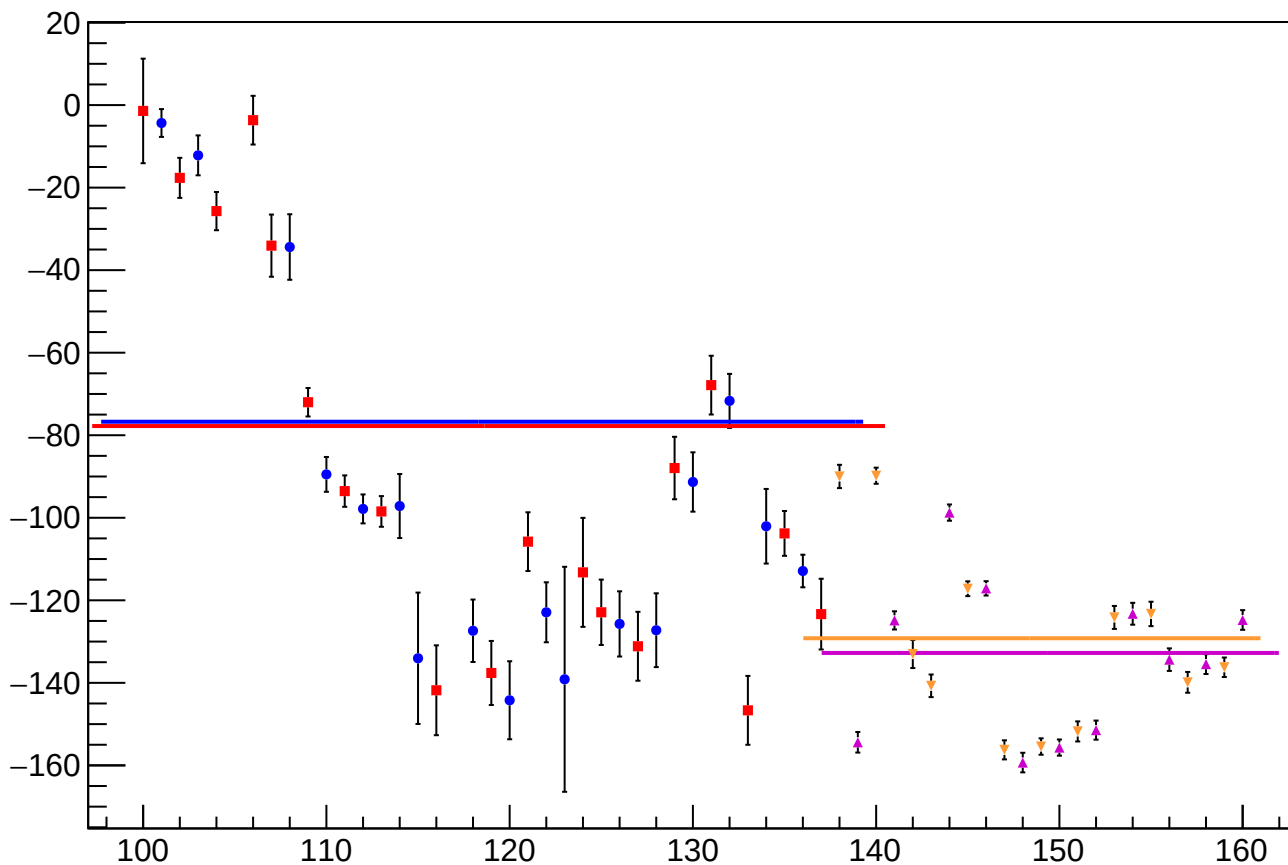
Right: 26.231 ± 0.570 $\chi^2/\text{NDF}: 1706.0/35$

In: 21.330 ± 0.407 $\chi^2/\text{NDF}: 1387.9/27$

Out: 23.693 ± 0.411 $\chi^2/\text{NDF}: 2040.0/30$

All: 22.500 ± 0.289 $\chi^2/\text{NDF}: 3444.6/58$

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.728 ± 1.412 $\chi^2/\text{NDF}: 1042.0/16$

Left Out: -129.196 ± 0.689 $\chi^2/\text{NDF}: 1095.1/11$

Right Out: -77.773 ± 1.352 $\chi^2/\text{NDF}: 871.8/18$

Left In: -132.753 ± 0.673 $\chi^2/\text{NDF}: 821.2/10$

Left: -131.015 ± 0.481 $\chi^2/\text{NDF}: 1929.9/22$

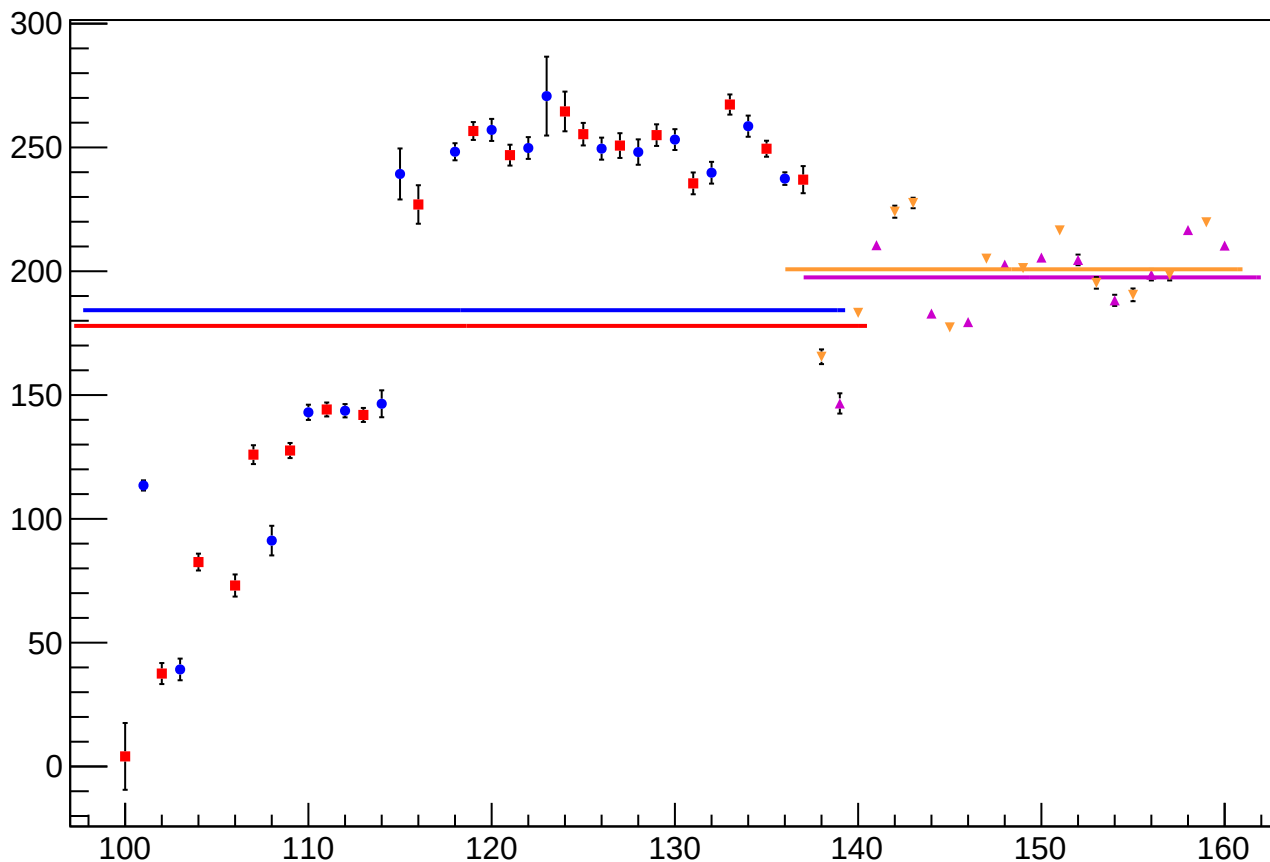
Right: -77.273 ± 0.977 $\chi^2/\text{NDF}: 1914.1/35$

In: -122.380 ± 0.608 $\chi^2/\text{NDF}: 3145.6/27$

Out: -118.606 ± 0.614 $\chi^2/\text{NDF}: 3115.1/30$

All: -120.511 ± 0.432 $\chi^2/\text{NDF}: 6279.9/58$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 184.271 $\pm$ 0.914 χ^2 /NDF: 5401.0/16

Left Out: 200.791 $\pm$ 0.573 χ^2 /NDF:902.0/11

Right Out: 177.930 $\pm$ 0.924 χ^2 /NDF: 6330.9/18

Left In: 197.523 $\pm$ 0.562 χ^2 /NDF:668.7/10

Left: 199.125 $\pm$ 0.402 χ^2 /NDF: 1587.2/22

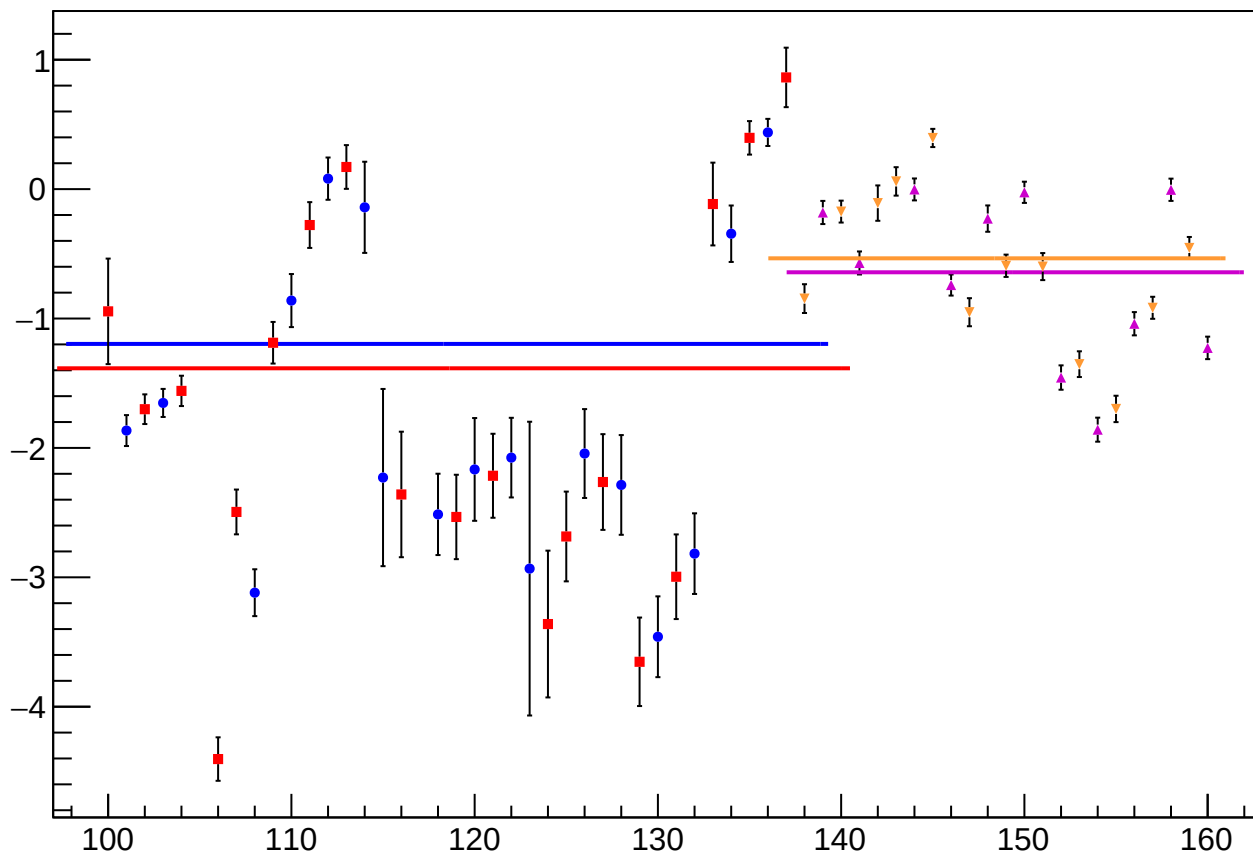
Right: 181.136 $\pm$ 0.650 χ^2 /NDF: 11755.7/35

In: 193.882 $\pm$ 0.479 χ^2 /NDF:6222.2/27

Out: 194.435 $\pm$ 0.487 χ^2 /NDF:7674.9/30

All: 194.154 $\pm$ 0.342 χ^2 /NDF: 13897.8/58

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.196 ± 0.048 χ^2/NDF : 623.1/16

Left Out: -0.535 ± 0.027 χ^2/NDF : 474.6/11

Right Out: -1.385 ± 0.046 χ^2/NDF : 924.4/18

Left In: -0.643 ± 0.027 χ^2/NDF : 525.2/10

Left: -0.590 ± 0.019 χ^2/NDF : 1007.7/22

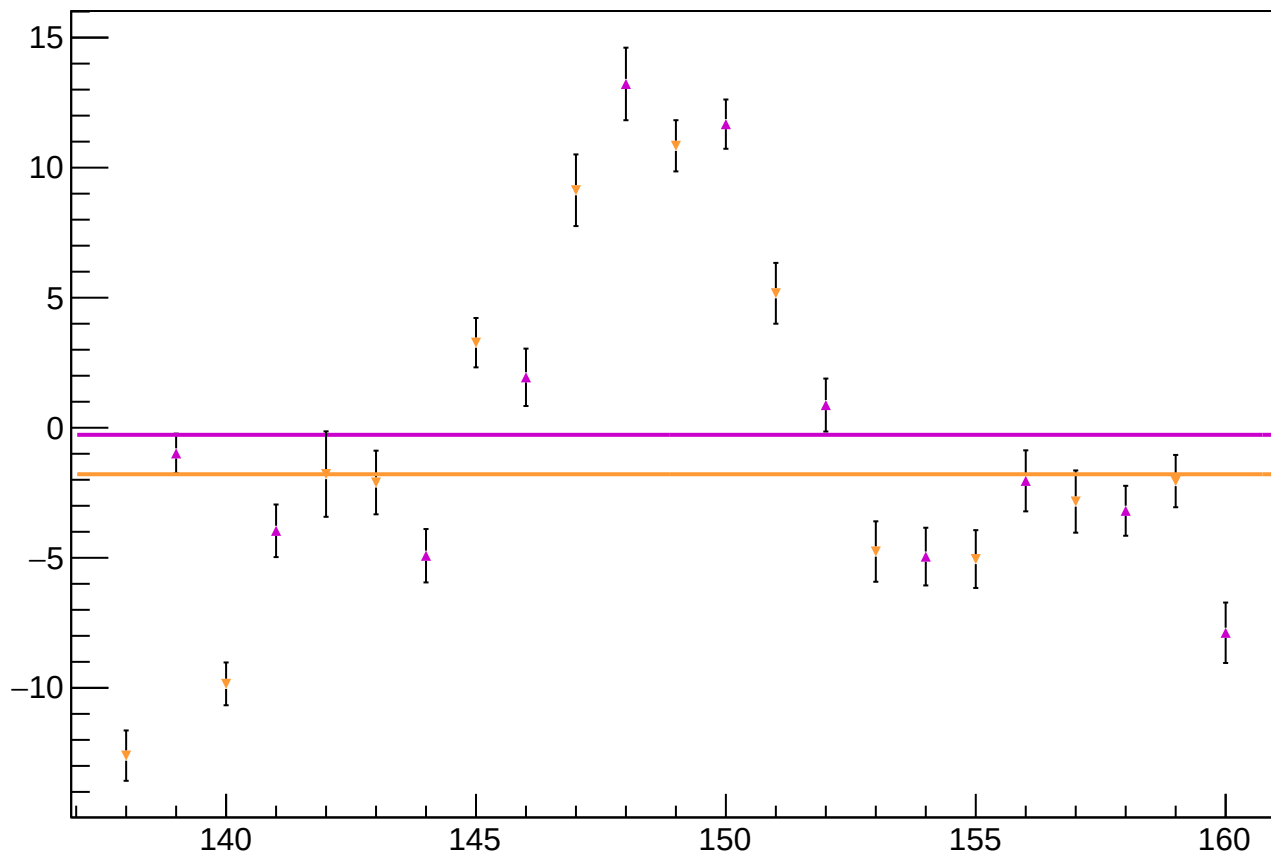
Right: -1.295 ± 0.033 χ^2/NDF : 1555.6/35

In: -0.773 ± 0.023 χ^2/NDF : 1249.6/27

Out: -0.757 ± 0.023 χ^2/NDF : 1653.4/30

All: -0.765 ± 0.017 χ^2/NDF : 2903.3/58

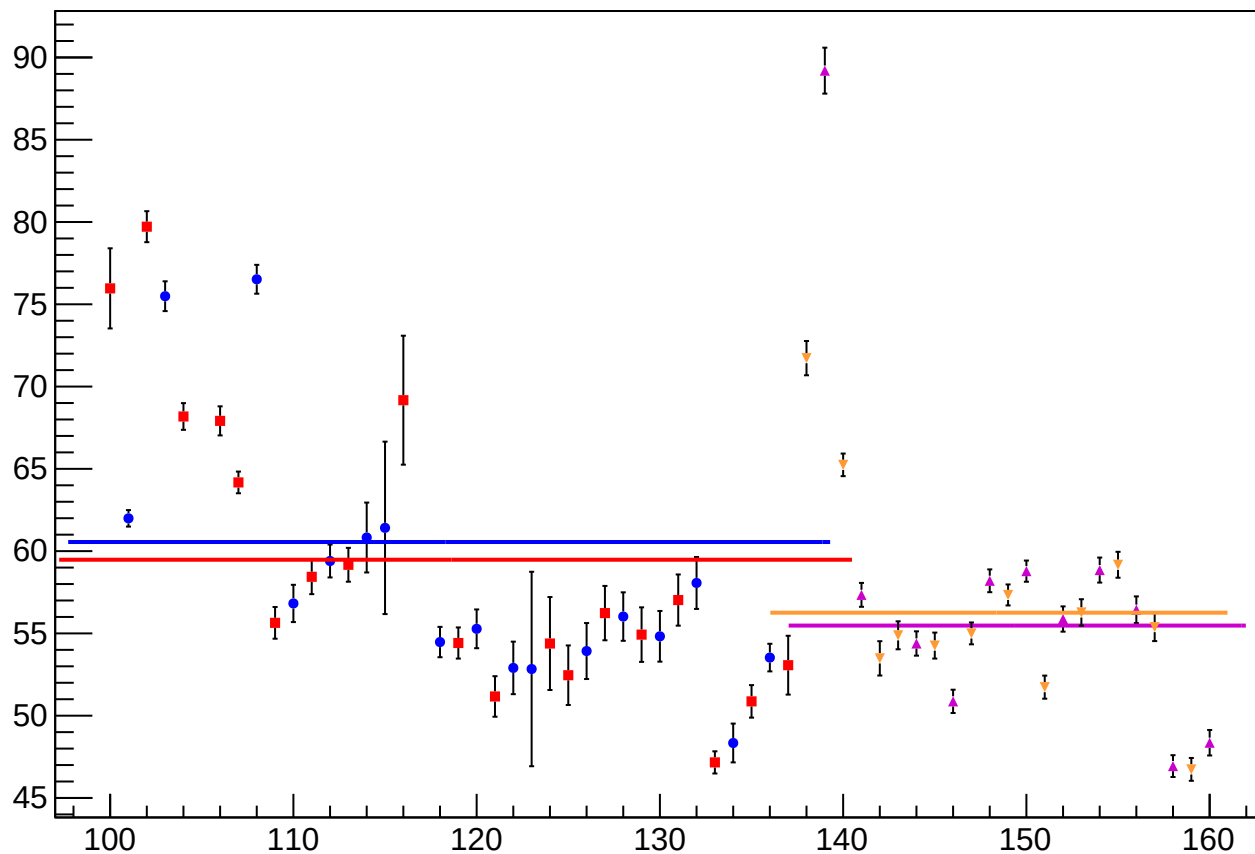
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.788+/-0.313 χ^2/NDF :528.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.272+/-0.309 χ^2/NDF :364.8/10

Left: -1.021+/-0.220 χ^2/NDF : 904.9/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.272+/-0.309 χ^2/NDF :364.8/10
 Out: -1.788+/-0.313 χ^2/NDF :528.2/11
 All: -1.021+/-0.220 χ^2/NDF : 904.9/22

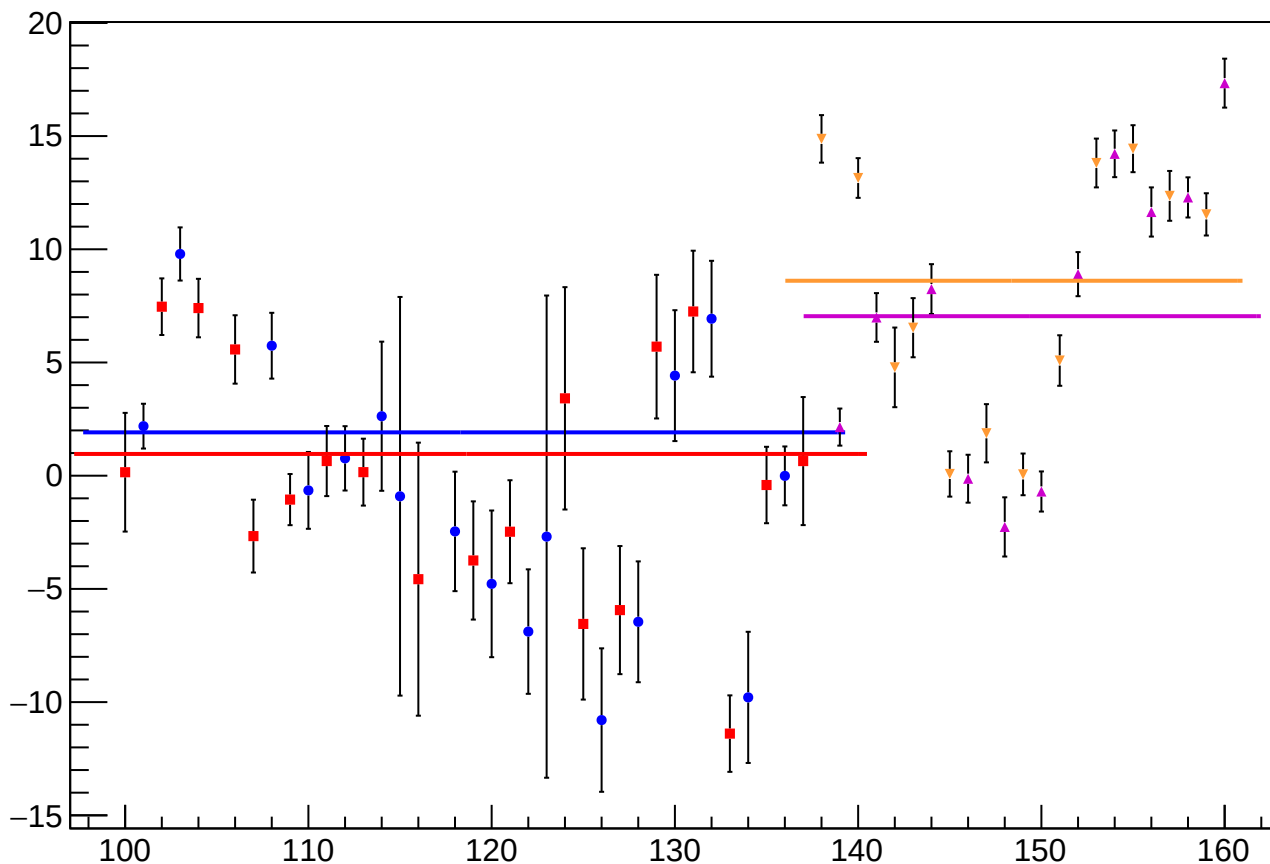
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.554 ± 0.262 $\chi^2/\text{NDF}: 930.8/16$
 Left Out: 56.259 ± 0.222 $\chi^2/\text{NDF}: 659.3/11$
 Right Out: 59.477 ± 0.248 $\chi^2/\text{NDF}: 1317.0/18$
 Left In: 55.476 ± 0.226 $\chi^2/\text{NDF}: 948.0/10$

Left: 55.874 ± 0.158 $\chi^2/\text{NDF}: 1613.4/22$
 Right: 59.987 ± 0.180 $\chi^2/\text{NDF}: 2256.7/35$
 In: 57.644 ± 0.171 $\chi^2/\text{NDF}: 2094.8/27$
 Out: 57.690 ± 0.165 $\chi^2/\text{NDF}: 2069.9/30$
 All: 57.667 ± 0.119 $\chi^2/\text{NDF}: 4164.7/58$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.914 ± 0.458 χ^2/NDF : 121.6/16

Left Out: 8.610 ± 0.309 χ^2/NDF : 342.3/11

Right Out: 0.960 ± 0.424 χ^2/NDF : 149.5/18

Left In: 7.045 ± 0.303 χ^2/NDF : 405.7/10

Left: 7.811 ± 0.216 χ^2/NDF : 761.1/22

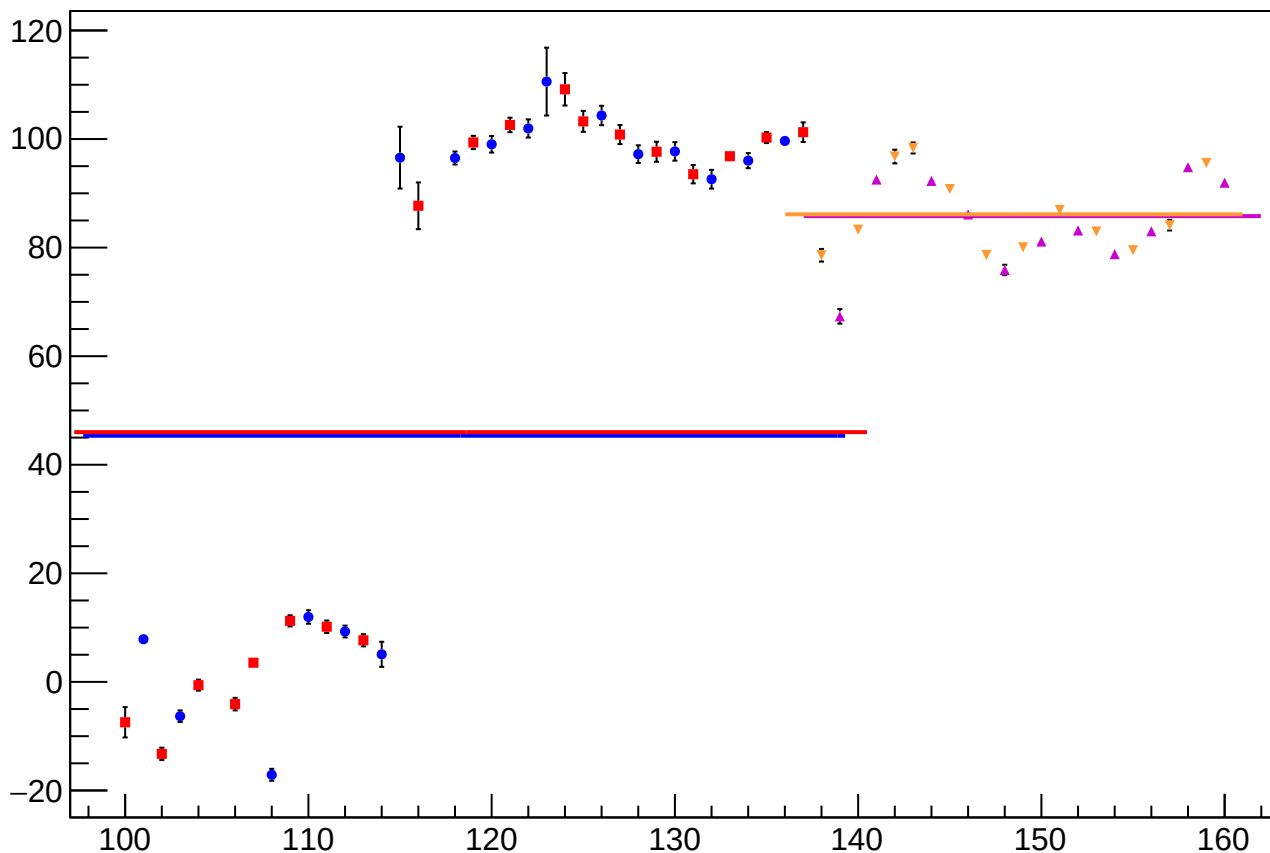
Right: 1.401 ± 0.311 χ^2/NDF : 273.4/35

In: 5.483 ± 0.253 χ^2/NDF : 614.7/27

Out: 5.957 ± 0.250 χ^2/NDF : 704.2/30

All: 5.723 ± 0.178 χ^2/NDF : 1320.6/58

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.344 $\pm$ 0.303 χ^2 /NDF: 25071.0/16

Left Out: 86.126 $\pm$ 0.262 χ^2 /NDF:665.7/11

Right Out: 46.007 $\pm$ 0.289 χ^2 /NDF: 28219.9/18

Left In: 85.801 $\pm$ 0.262 χ^2 /NDF:752.1/10

Left: 85.964 $\pm$ 0.185 χ^2 /NDF: 1418.6/22

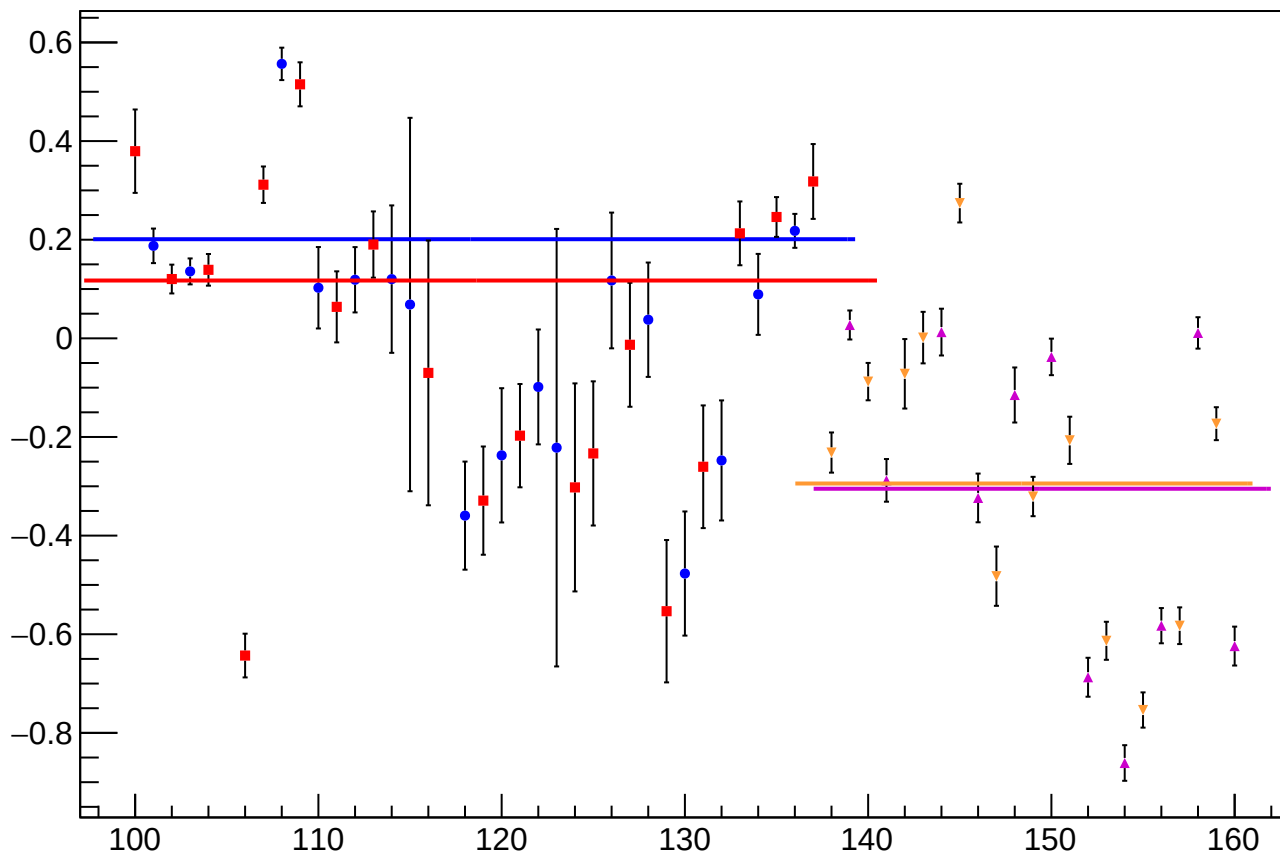
Right: 45.691 $\pm$ 0.209 χ^2 /NDF: 53293.4/35

In: 68.502 $\pm$ 0.198 χ^2 /NDF:36012.4/27

Out: 68.056 $\pm$ 0.194 χ^2 /NDF:39442.6/30

All: 68.274 $\pm$ 0.139 χ^2 /NDF: 75457.6/58

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 217.8/16

Left Out: -0.294 ± 0.012 χ^2/NDF : 604.5/11

Right Out: 0.117 ± 0.013 χ^2/NDF : 500.1/18

Left In: -0.305 ± 0.012 χ^2/NDF : 791.3/10

Left: -0.300 ± 0.008 χ^2/NDF : 1396.2/22

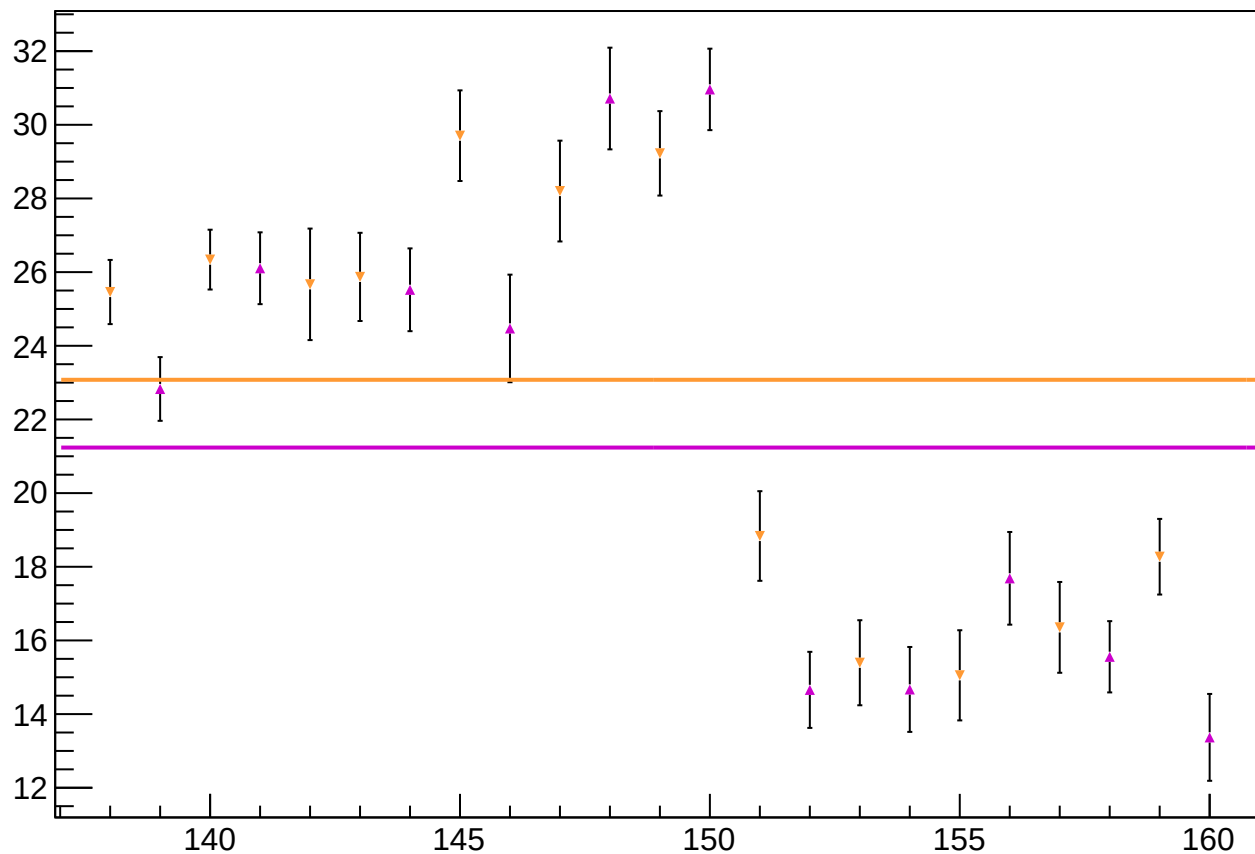
Right: 0.156 ± 0.010 χ^2/NDF : 737.1/35

In: -0.099 ± 0.009 χ^2/NDF : 1780.8/27

Out: -0.105 ± 0.009 χ^2/NDF : 1644.7/30

All: -0.102 ± 0.006 χ^2/NDF : 3425.7/58

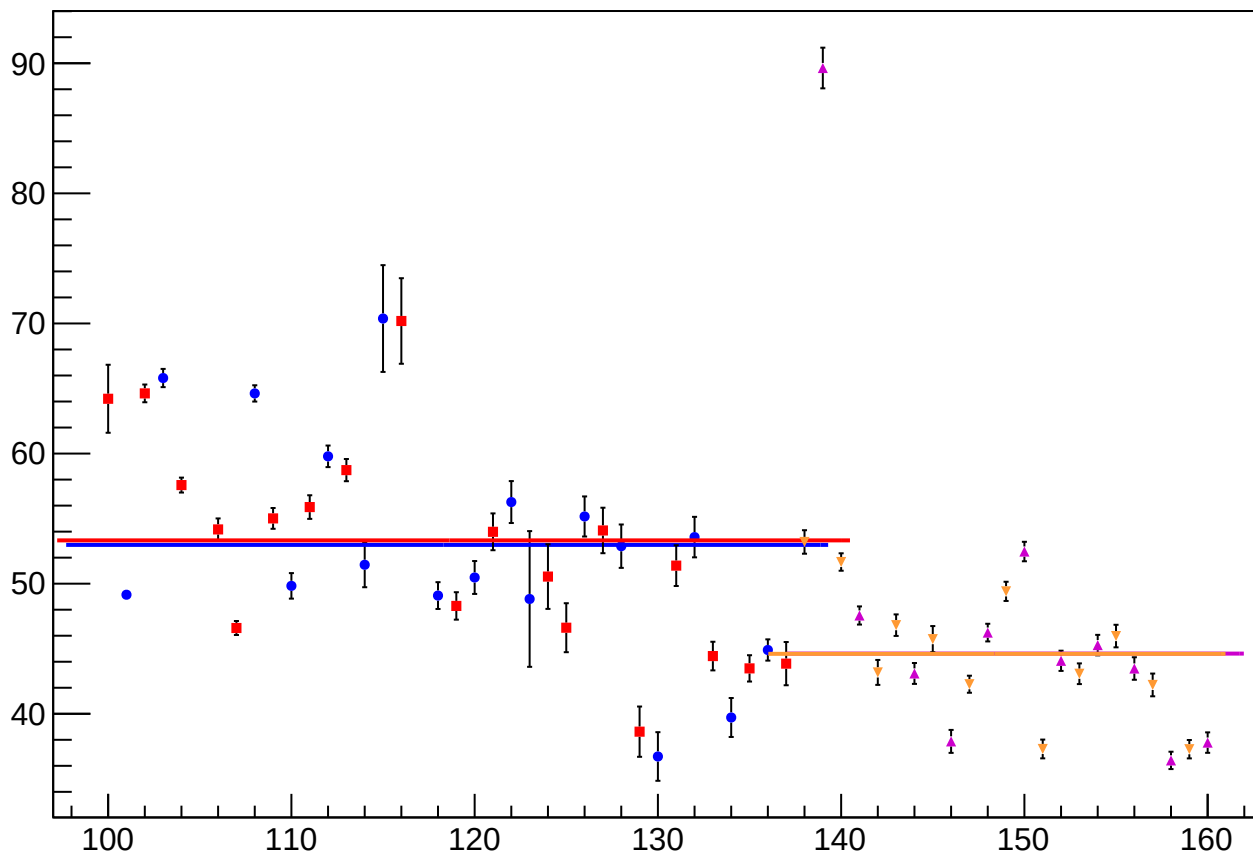
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 23.077+/-0.322 χ^2/NDF :254.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 21.237+/-0.331 χ^2/NDF :332.2/10

Left: 22.182+/-0.231 χ^2/NDF : 602.8/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 21.237+/-0.331 χ^2/NDF :332.2/10
 Out: 23.077+/-0.322 χ^2/NDF :254.8/11
 All: 22.182+/-0.231 χ^2/NDF : 602.8/22

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.981 $\pm$ 0.210 χ^2 /NDF: 1197.8/16

Left Out: 44.607 $\pm$ 0.228 χ^2 /NDF: 490.9/11

Right Out: 53.328 $\pm$ 0.227 χ^2 /NDF: 872.7/18

Left In: 44.626 $\pm$ 0.238 χ^2 /NDF: 1254.3/10

Left: 44.616 $\pm$ 0.164 χ^2 /NDF: 1745.2/22

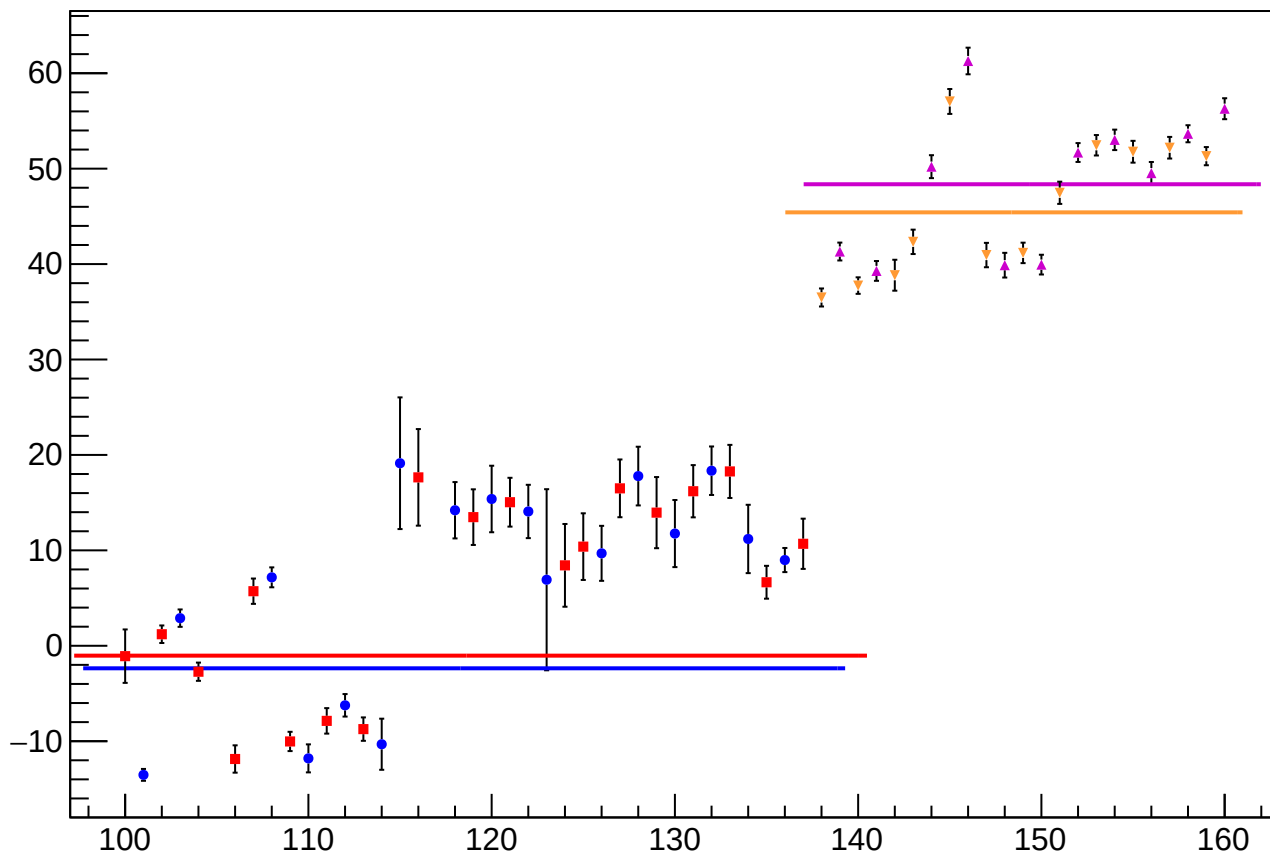
Right: 53.141 $\pm$ 0.154 χ^2 /NDF: 2071.7/35

In: 49.312 $\pm$ 0.157 χ^2 /NDF: 3146.1/27

Out: 48.986 $\pm$ 0.161 χ^2 /NDF: 2100.5/30

All: 49.152 $\pm$ 0.112 χ^2 /NDF: 5248.6/58

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.361 ± 0.364 χ^2/NDF : 840.8/16

Left Out: 45.420 ± 0.320 χ^2/NDF : 448.5/11

Right Out: -1.035 ± 0.377 χ^2/NDF : 507.7/18

Left In: 48.365 ± 0.324 χ^2/NDF : 449.1/10

Left: 46.873 ± 0.228 χ^2/NDF : 939.4/22

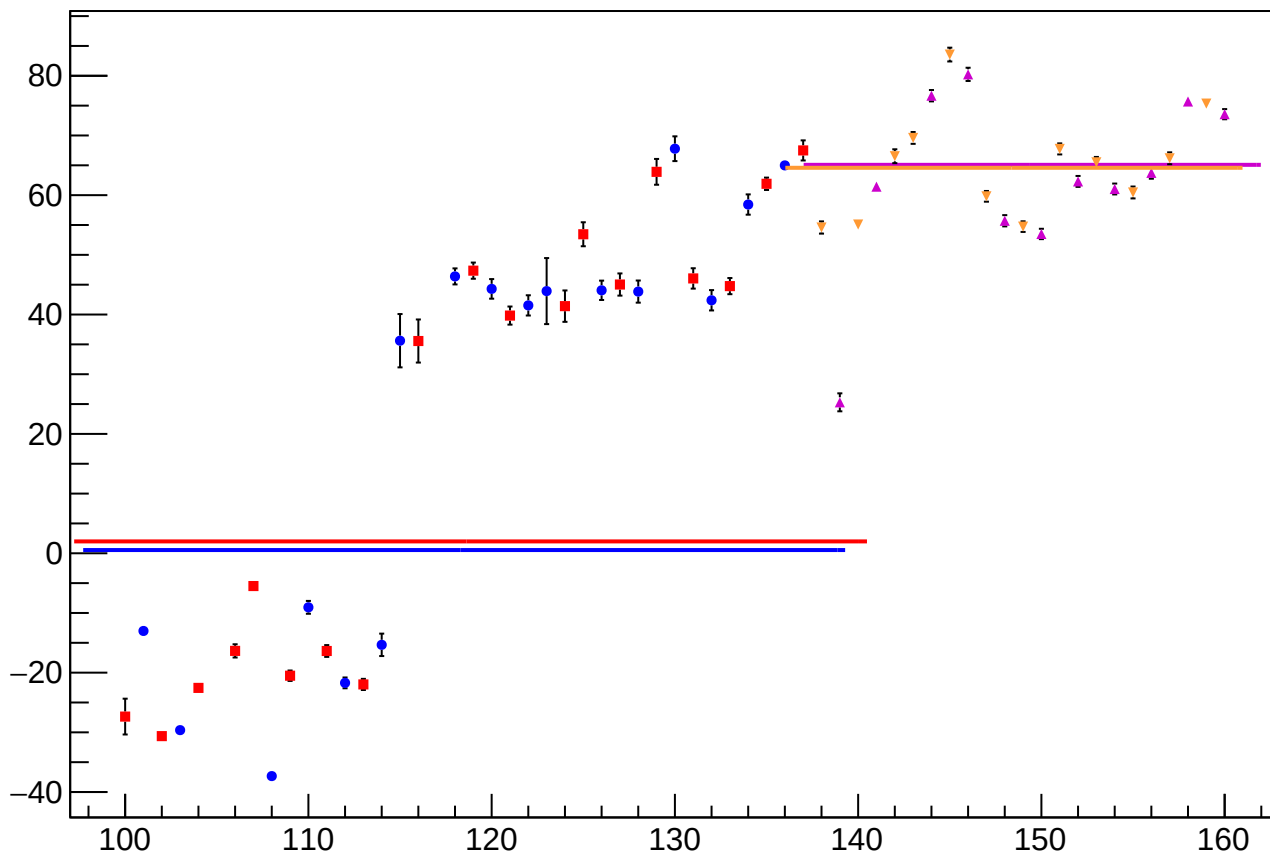
Right: -1.721 ± 0.262 χ^2/NDF : 1355.0/35

In: 25.926 ± 0.242 χ^2/NDF : 12130.4/27

Out: 25.971 ± 0.244 χ^2/NDF : 9787.2/30

All: 25.948 ± 0.172 χ^2/NDF : 21917.7/58

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.541 ± 0.247 χ^2/NDF : 18423.8/16

Left Out: 64.585 ± 0.270 χ^2/NDF : 924.5/11

Right Out: 1.990 ± 0.267 χ^2/NDF : 15476.7/18

Left In: 65.081 ± 0.277 χ^2/NDF : 1687.8/10

Left: 64.827 ± 0.193 χ^2/NDF : 2613.9/22

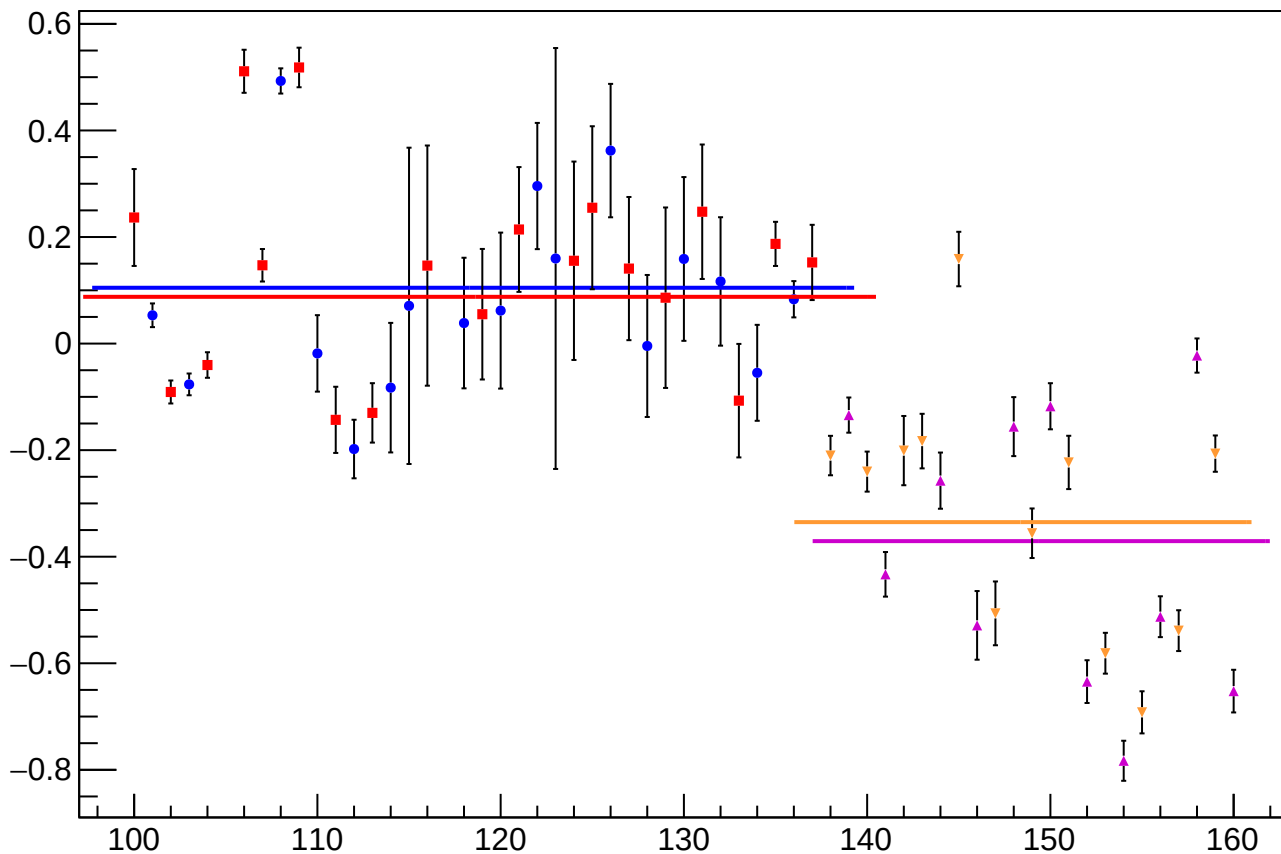
Right: 1.210 ± 0.181 χ^2/NDF : 33916.4/35

In: 29.132 ± 0.184 χ^2/NDF : 50429.9/27

Out: 32.865 ± 0.190 χ^2/NDF : 43609.5/30

All: 30.943 ± 0.132 χ^2/NDF : 94238.7/58

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.7/16$

Left Out: -0.335 ± 0.012 $\chi^2/\text{NDF}: 302.9/11$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 391.0/18$

Left In: -0.371 ± 0.012 $\chi^2/\text{NDF}: 457.9/10$

Left: -0.353 ± 0.009 $\chi^2/\text{NDF}: 764.9/22$

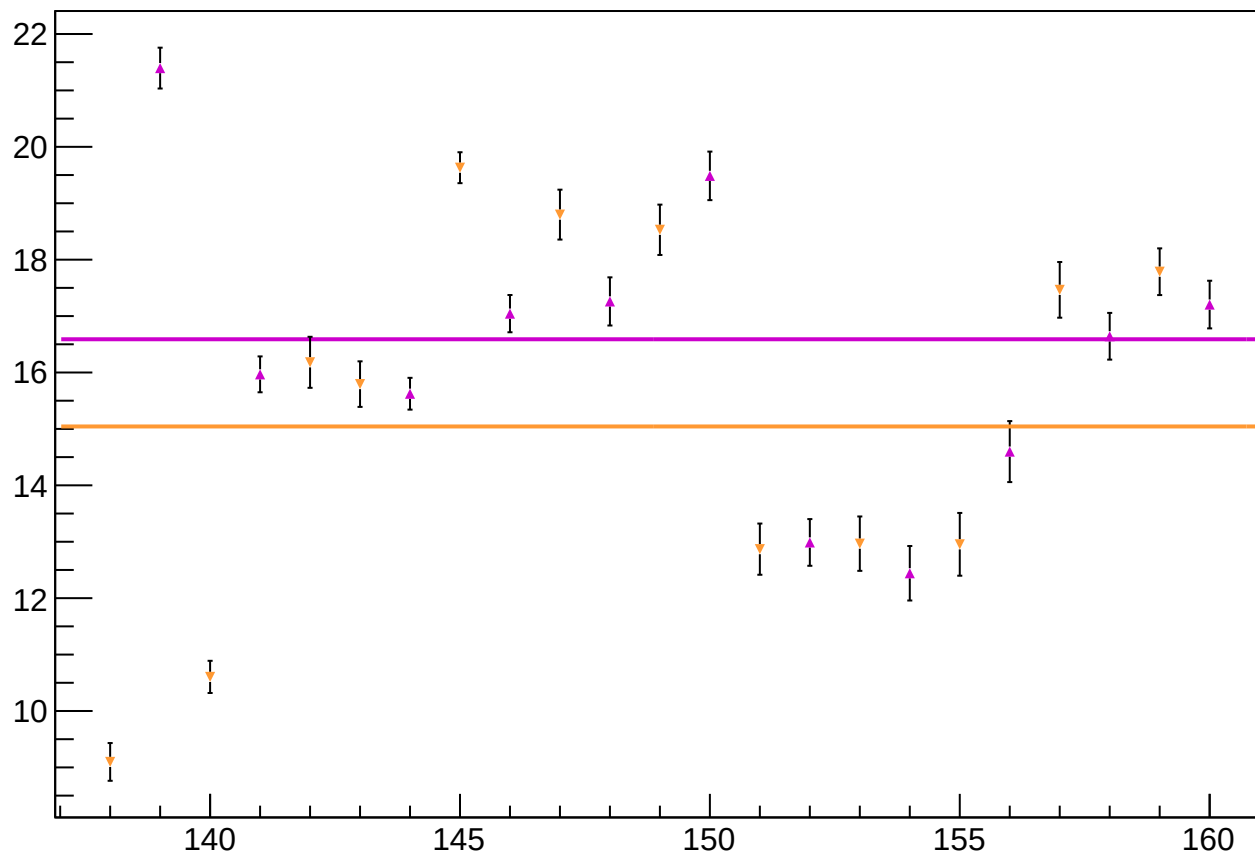
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.9/35$

In: -0.106 ± 0.008 $\chi^2/\text{NDF}: 1683.1/27$

Out: -0.098 ± 0.008 $\chi^2/\text{NDF}: 1341.1/30$

All: -0.102 ± 0.006 $\chi^2/\text{NDF}: 3024.8/58$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 15.043+/-0.113 χ^2/NDF :1104.4/11

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

Left In: 16.589+/-0.115 χ^2/NDF :406.6/10

Left: 15.802+/-0.081 χ^2/NDF : 1602.5/22

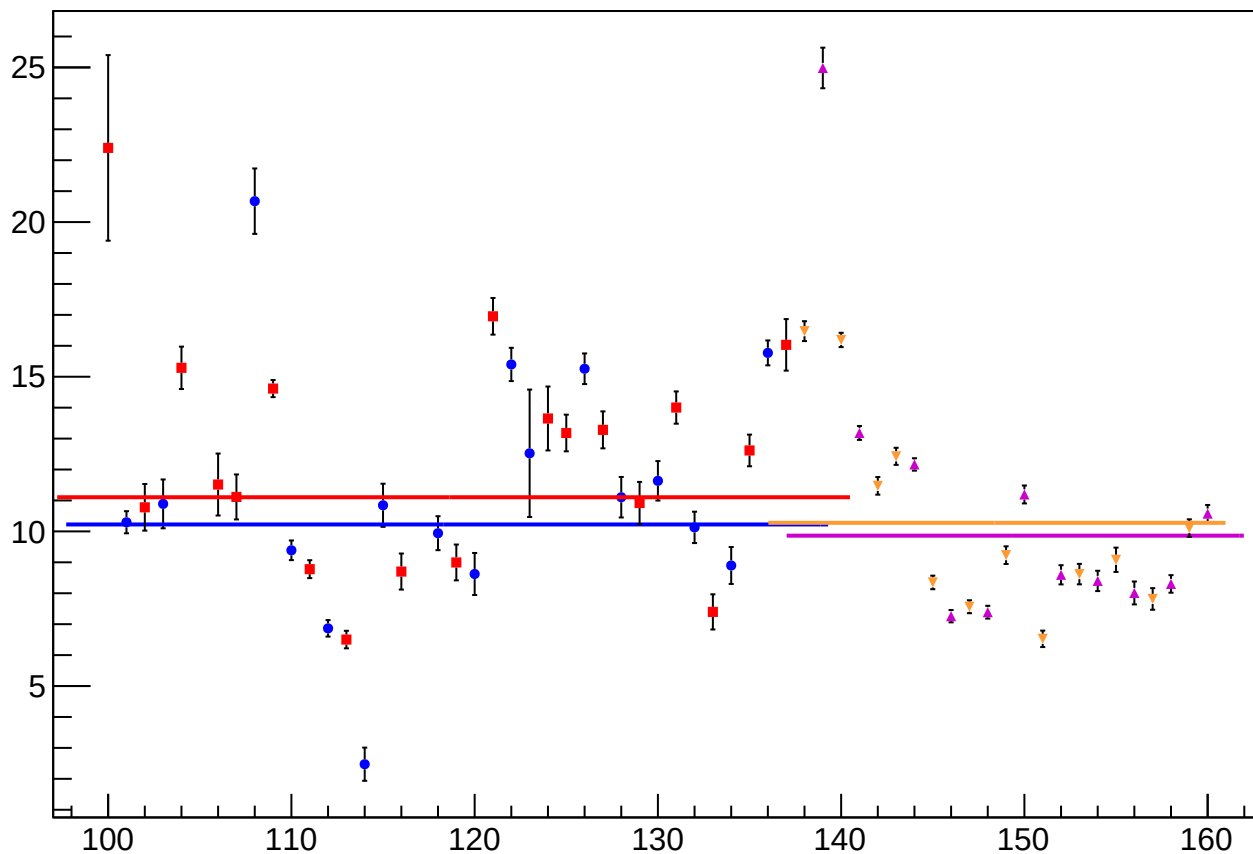
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 16.589+/-0.115 χ^2/NDF :406.6/10

Out: 15.043+/-0.113 χ^2/NDF :1104.4/11

All: 15.802+/-0.081 χ^2/NDF : 1602.5/22

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.224 $\pm$ 0.119 χ^2 /NDF: 877.6/16

Left Out: 10.277 $\pm$ 0.079 χ^2 /NDF:1644.0/11

Right Out: 11.104 $\pm$ 0.116 χ^2 /NDF: 817.2/18

Left In: 9.862 $\pm$ 0.079 χ^2 /NDF:1312.9/10

Left: 10.070 $\pm$ 0.056 χ^2 /NDF: 2970.7/22

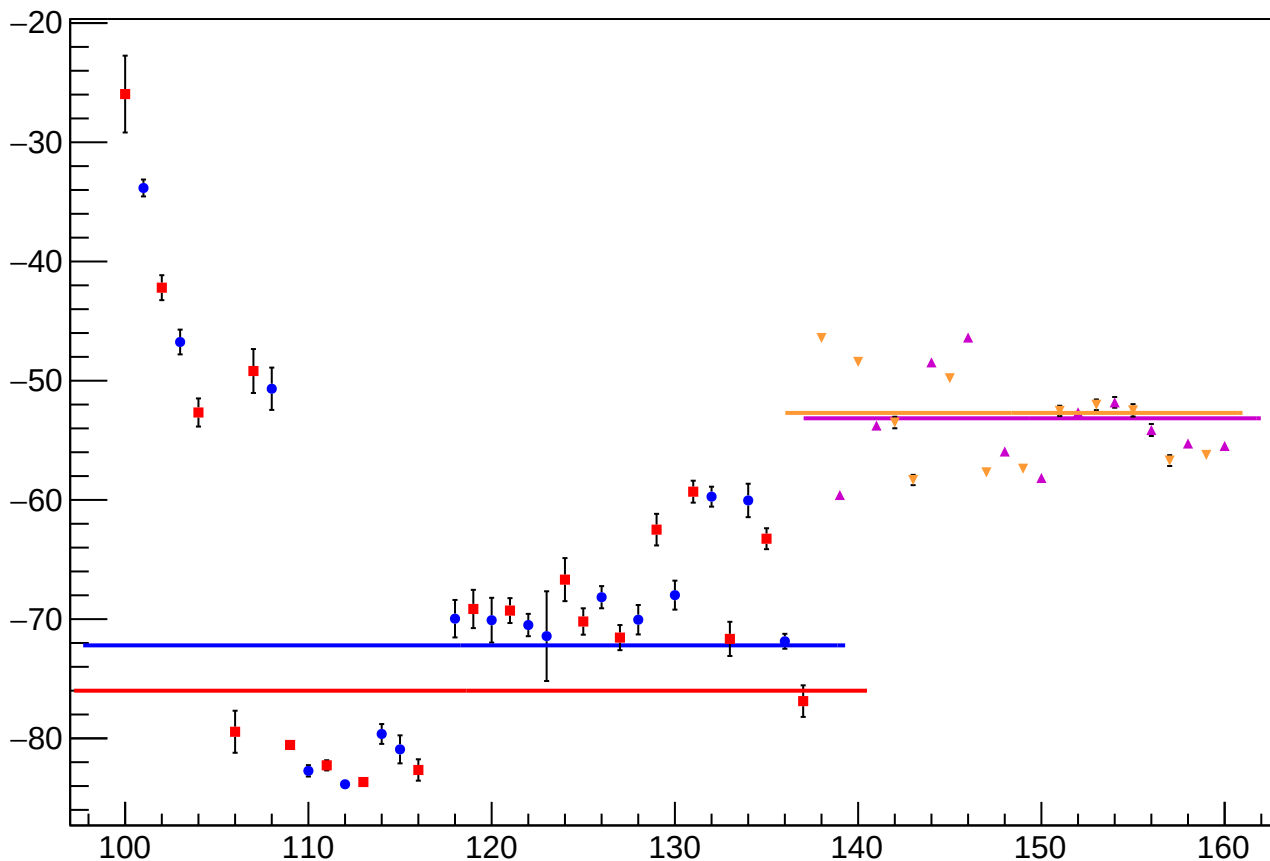
Right: 10.673 $\pm$ 0.083 χ^2 /NDF: 1722.7/35

In: 9.973 $\pm$ 0.066 χ^2 /NDF:2196.9/27

Out: 10.538 $\pm$ 0.065 χ^2 /NDF:2495.8/30

All: 10.258 $\pm$ 0.046 χ^2 /NDF: 4729.7/58

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.201 ± 0.198 χ^2/NDF : 5566.9/16

Left Out: -52.701 ± 0.114 χ^2/NDF : 1206.7/11

Right Out: -76.003 ± 0.181 χ^2/NDF : 3465.4/18

Left In: -53.153 ± 0.114 χ^2/NDF : 1255.4/10

Left: -52.927 ± 0.081 χ^2/NDF : 2470.0/22

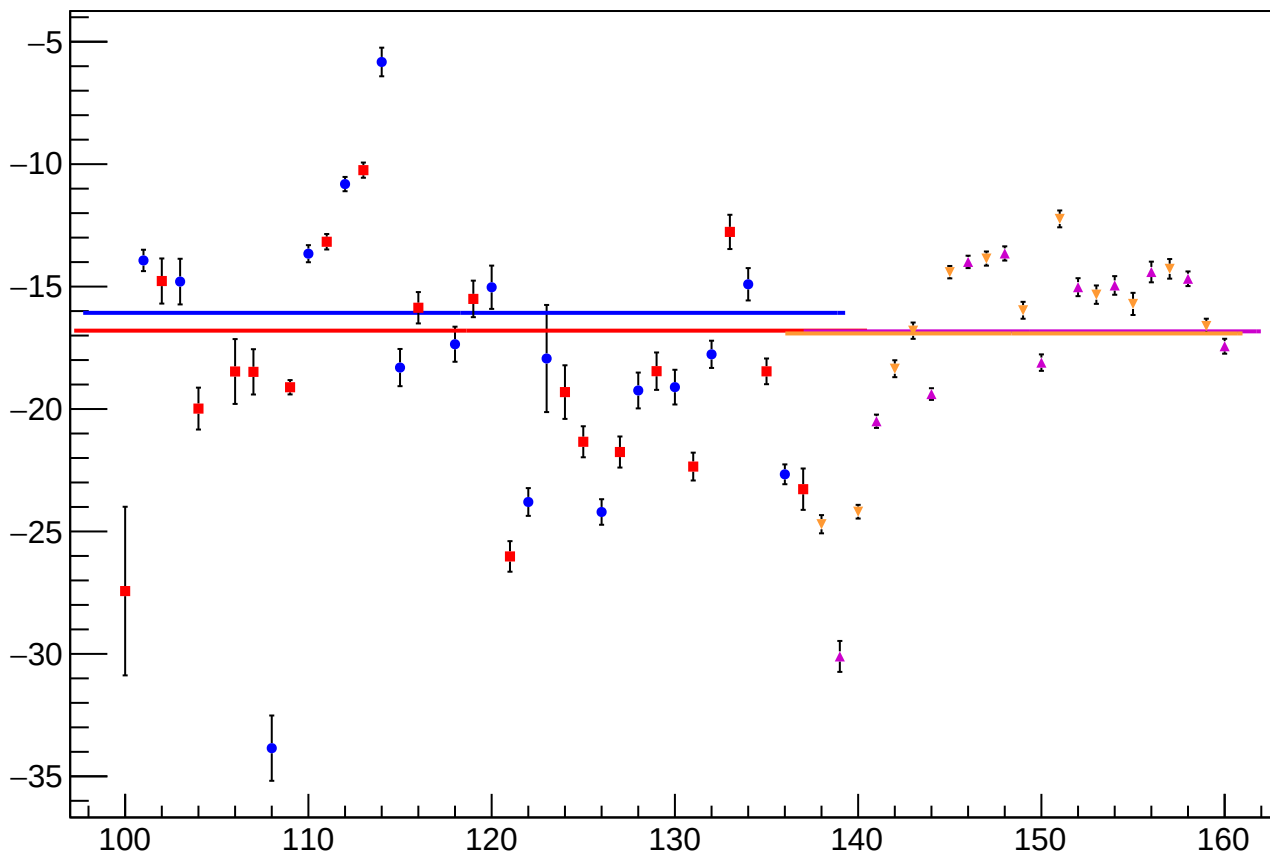
Right: -74.270 ± 0.133 χ^2/NDF : 9233.6/35

In: -57.891 ± 0.099 χ^2/NDF : 13796.8/27

Out: -59.318 ± 0.096 χ^2/NDF : 16548.3/30

All: -58.620 ± 0.069 χ^2/NDF : 30452.2/58

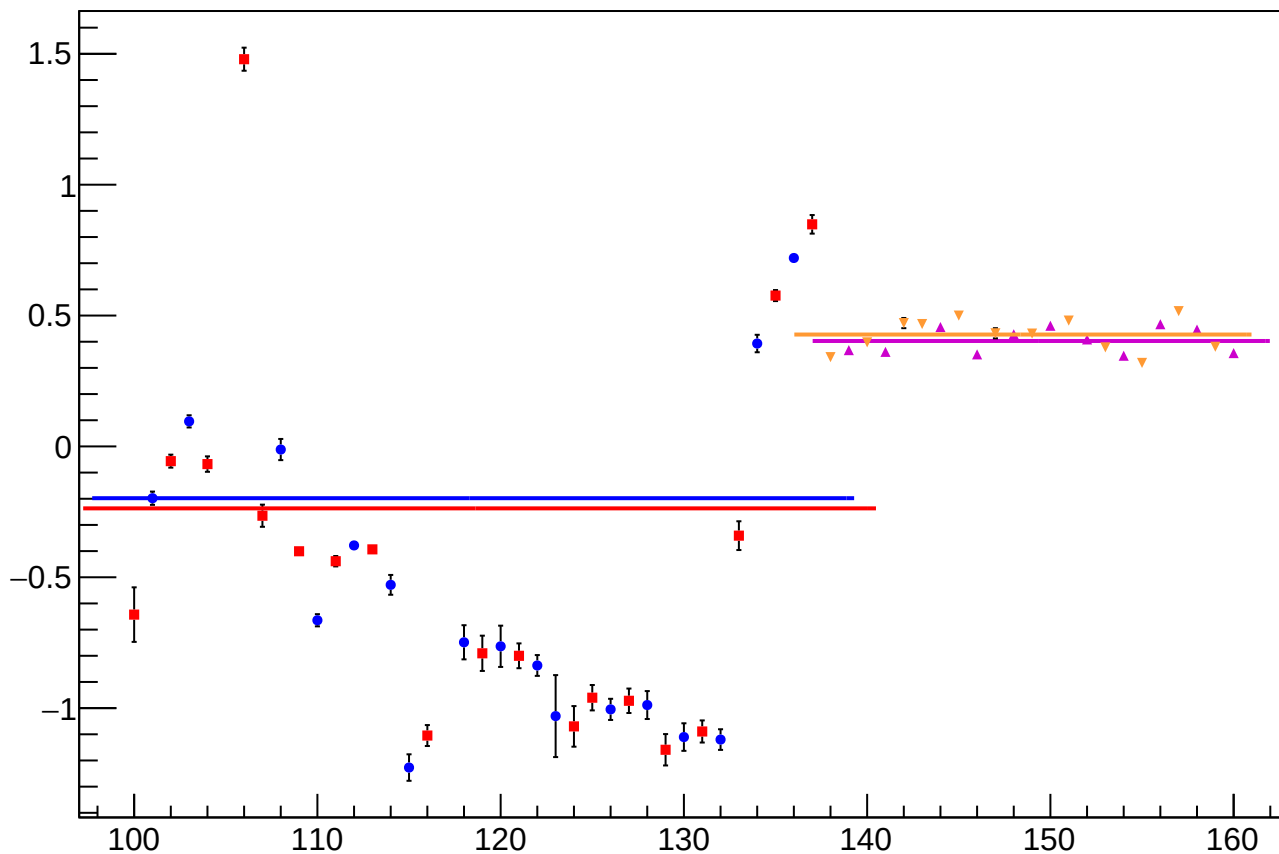
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 $\pm$ 0.132 χ^2/NDF : 1640.9/16
 Left Out: -16.914 $\pm$ 0.095 χ^2/NDF : 1602.4/11
 Right Out: -16.799 $\pm$ 0.128 χ^2/NDF : 1215.8/18
 Left In: -16.828 $\pm$ 0.095 χ^2/NDF : 1136.4/10

Left: -16.871 $\pm$ 0.067 χ^2/NDF : 2739.2/22
 Right: -16.447 $\pm$ 0.092 χ^2/NDF : 2872.2/35
 In: -16.572 $\pm$ 0.077 χ^2/NDF : 2799.0/27
 Out: -16.873 $\pm$ 0.076 χ^2/NDF : 2818.6/30
 All: -16.724 $\pm$ 0.054 χ^2/NDF : 5625.4/58

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.198 ± 0.008 χ^2/NDF : 6338.8/16

Left Out: 0.427 ± 0.005 χ^2/NDF : 190.7/11

Right Out: -0.237 ± 0.007 χ^2/NDF : 6221.9/18

Left In: 0.403 ± 0.004 χ^2/NDF : 106.9/10

Left: 0.415 ± 0.003 χ^2/NDF : 312.5/22

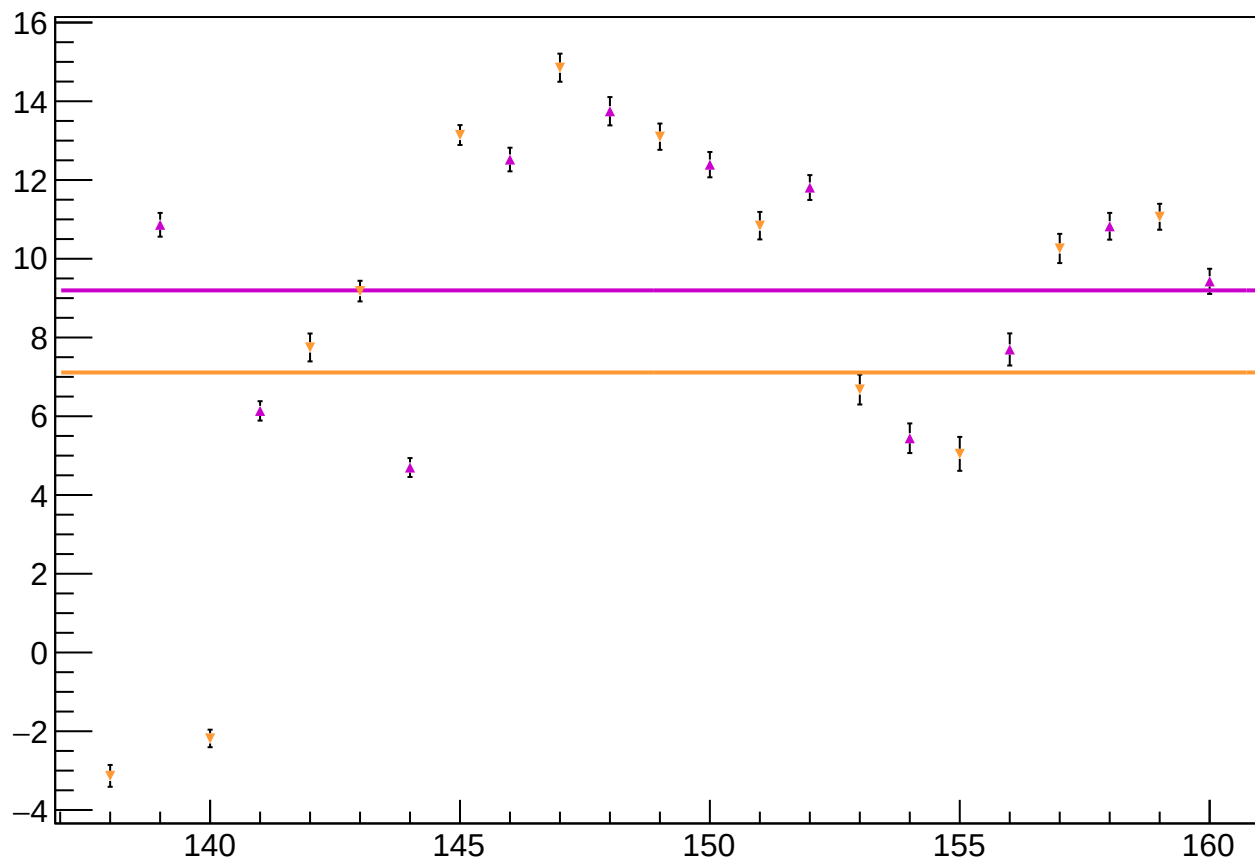
Right: -0.218 ± 0.005 χ^2/NDF : 12574.6/35

In: 0.246 ± 0.004 χ^2/NDF : 11135.7/27

Out: 0.239 ± 0.004 χ^2/NDF : 12560.6/30

All: 0.242 ± 0.003 χ^2/NDF : 23697.6/58

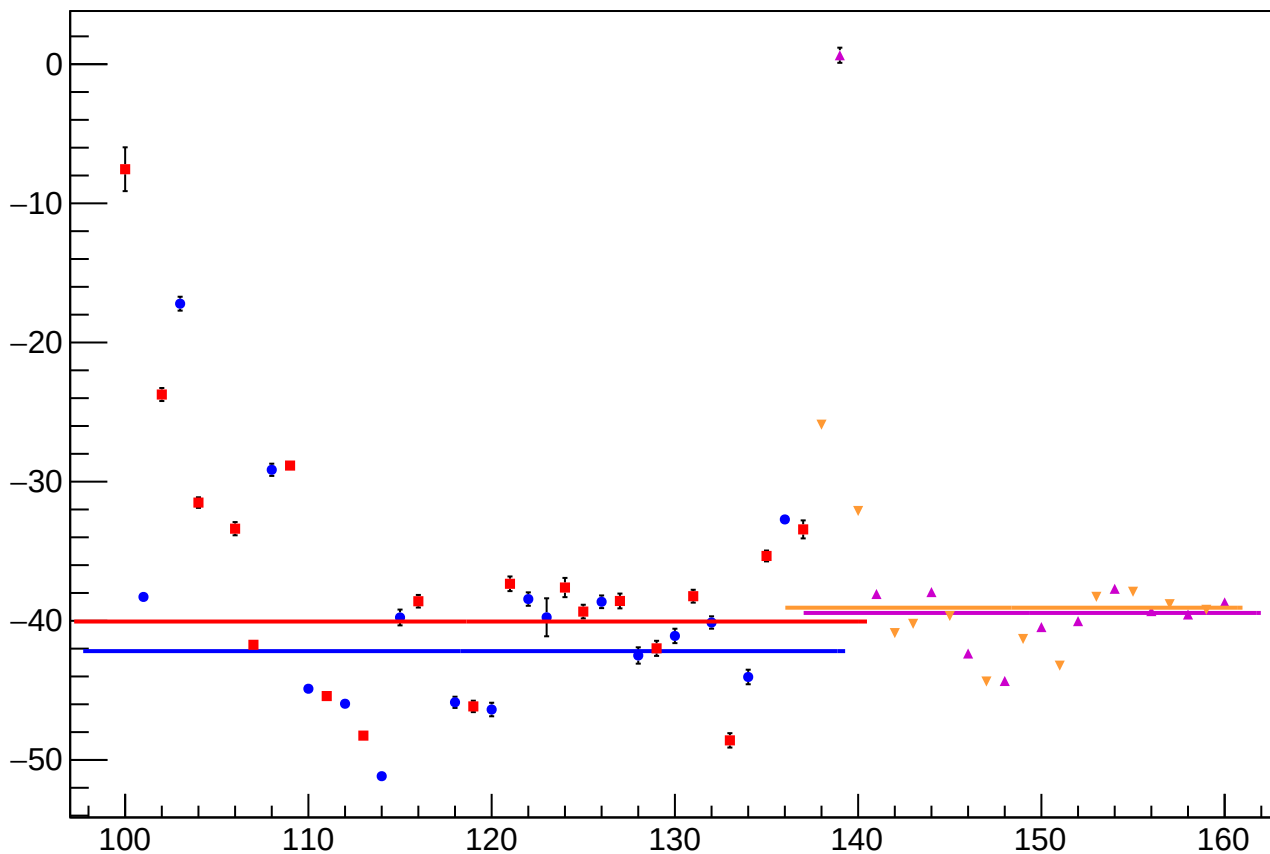
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.111+/-0.089 χ^2/NDF :4888.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.196+/-0.093 χ^2/NDF :1121.9/10

Left: 8.109+/-0.065 χ^2/NDF : 6271.2/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.196+/-0.093 χ^2/NDF :1121.9/10
 Out: 7.111+/-0.089 χ^2/NDF :4888.8/11
 All: 8.109+/-0.065 χ^2/NDF : 6271.2/22

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.179 ± 0.078 $\chi^2/\text{NDF}: 6573.8/16$

Left Out: -39.058 ± 0.062 $\chi^2/\text{NDF}: 5497.9/11$

Right Out: -40.052 ± 0.073 $\chi^2/\text{NDF}: 11313.5/18$

Left In: -39.435 ± 0.065 $\chi^2/\text{NDF}: 6657.5/10$

Left: -39.239 ± 0.045 $\chi^2/\text{NDF}: 12173.0/22$

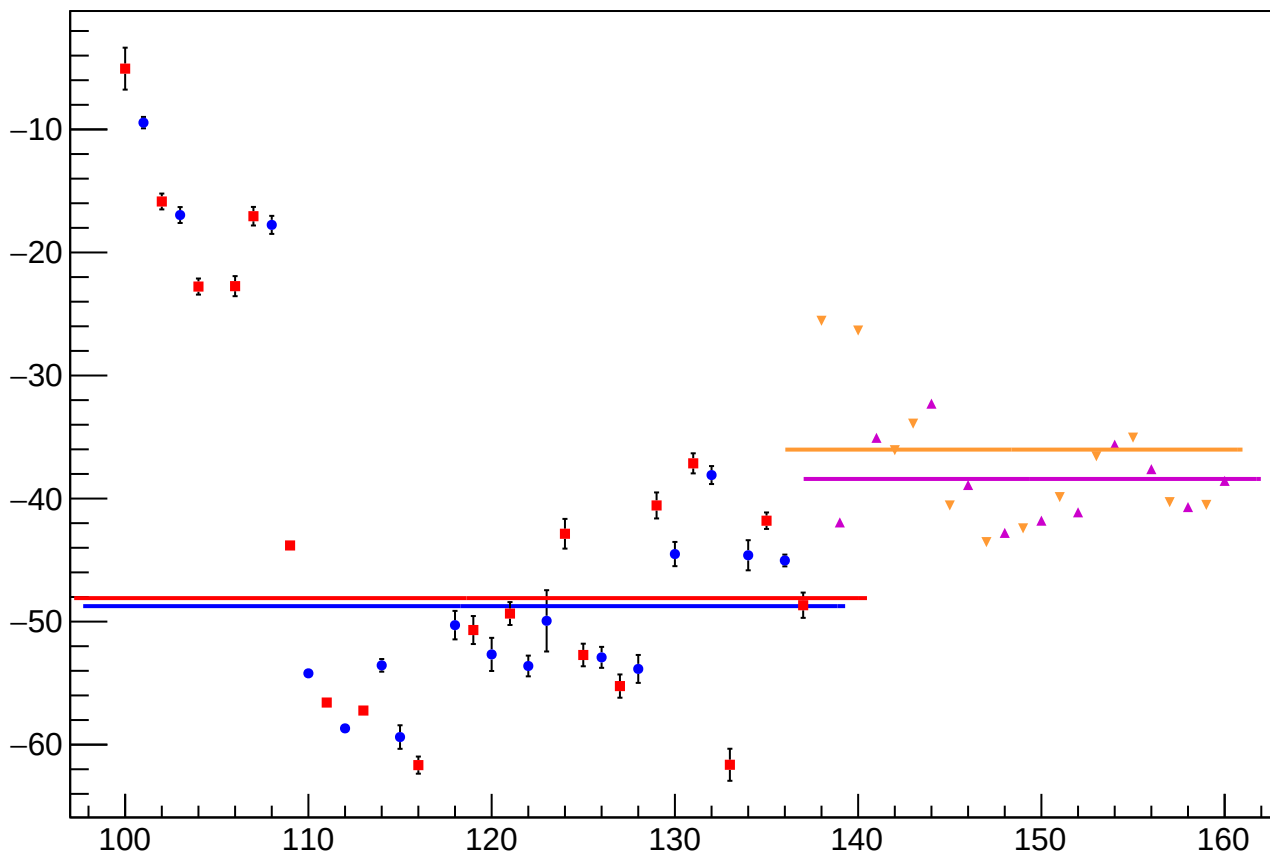
Right: -41.045 ± 0.053 $\chi^2/\text{NDF}: 18285.9/35$

In: -40.557 ± 0.050 $\chi^2/\text{NDF}: 13966.8/27$

Out: -39.478 ± 0.047 $\chi^2/\text{NDF}: 16919.2/30$

All: -39.990 ± 0.034 $\chi^2/\text{NDF}: 31133.6/58$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.743 ± 0.124 $\chi^2/\text{NDF}: 14658.5/16$

Left Out: -36.021 ± 0.090 $\chi^2/\text{NDF}: 4665.1/11$

Right Out: -48.091 ± 0.107 $\chi^2/\text{NDF}: 11731.5/18$

Left In: -38.406 ± 0.092 $\chi^2/\text{NDF}: 1346.5/10$

Left: -37.186 ± 0.064 $\chi^2/\text{NDF}: 6356.7/22$

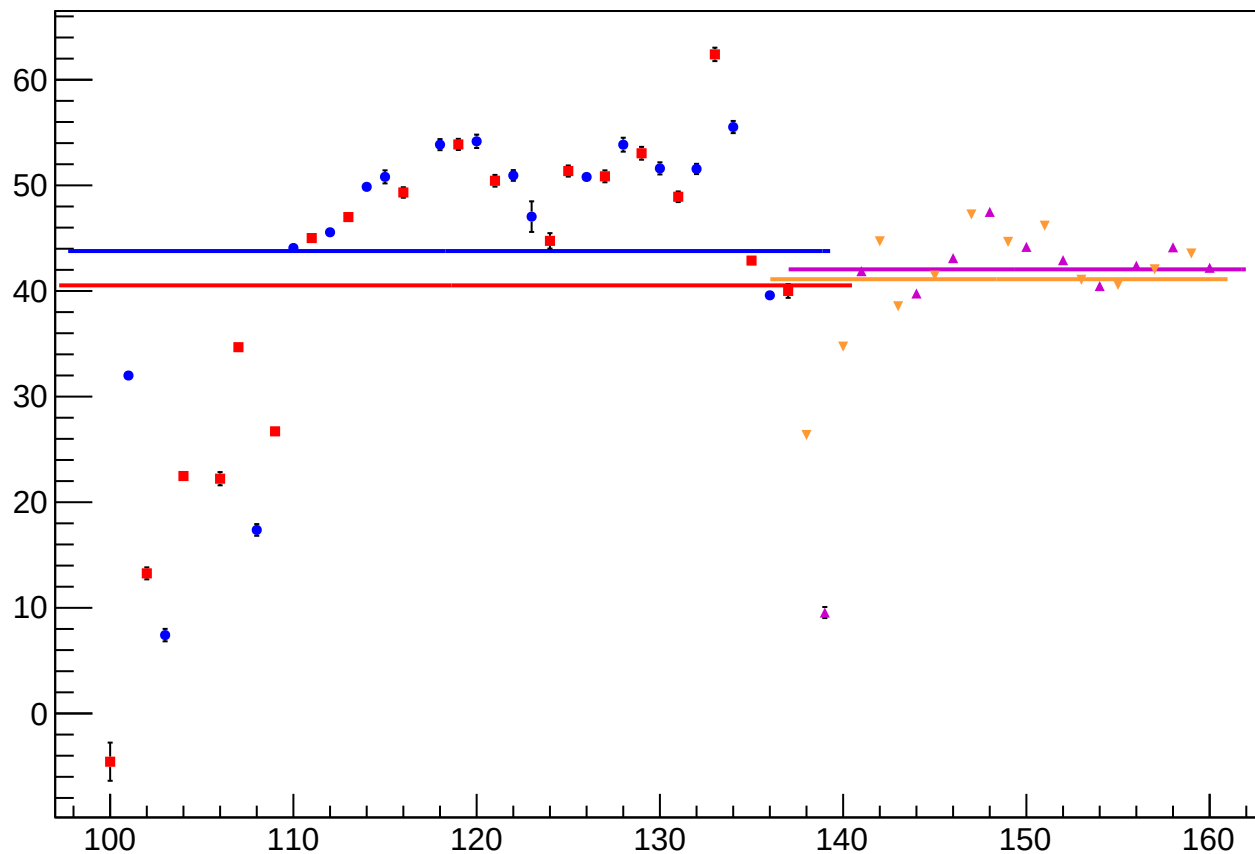
Right: -48.369 ± 0.081 $\chi^2/\text{NDF}: 26405.8/35$

In: -42.050 ± 0.074 $\chi^2/\text{NDF}: 20473.6/27$

Out: -40.992 ± 0.069 $\chi^2/\text{NDF}: 23849.3/30$

All: -41.484 ± 0.050 $\chi^2/\text{NDF}: 44432.6/58$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.782 $\pm$ 0.087 χ^2/NDF : 10638.7/16

Left Out: 41.115 $\pm$ 0.075 χ^2/NDF : 4780.3/11

Right Out: 40.530 $\pm$ 0.080 χ^2/NDF : 17580.7/18

Left In: 42.048 $\pm$ 0.077 χ^2/NDF : 4665.4/10

Left: 41.569 $\pm$ 0.053 χ^2/NDF : 9522.0/22

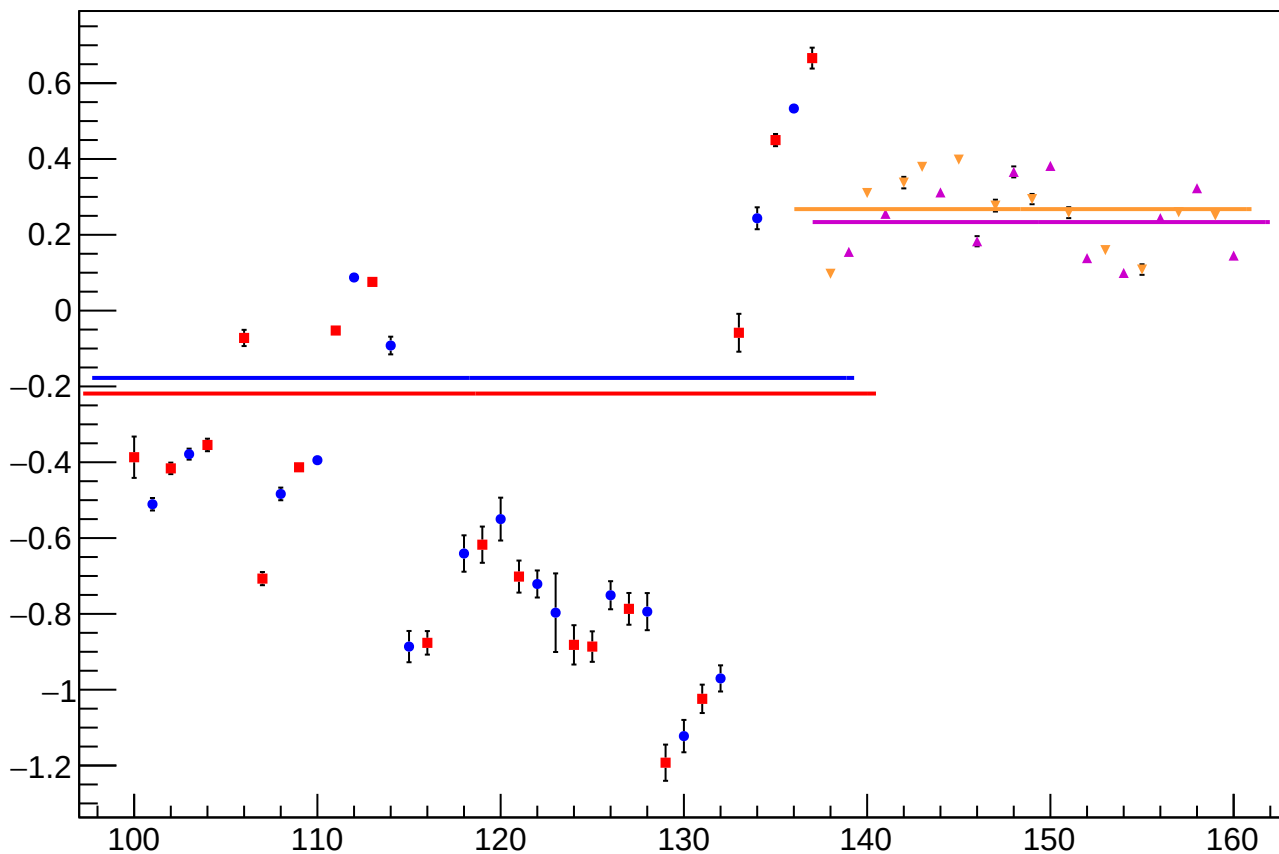
Right: 42.031 $\pm$ 0.059 χ^2/NDF : 28978.3/35

In: 42.809 $\pm$ 0.057 χ^2/NDF : 15529.0/27

Out: 40.844 $\pm$ 0.055 χ^2/NDF : 22389.5/30

All: 41.778 $\pm$ 0.040 χ^2/NDF : 38534.1/58

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.178 ± 0.005 χ^2/NDF : 7375.8/16

Left Out: 0.268 ± 0.004 χ^2/NDF : 706.7/11

Right Out: -0.219 ± 0.004 χ^2/NDF : 7470.0/18

Left In: 0.234 ± 0.004 χ^2/NDF : 644.9/10

Left: 0.251 ± 0.003 χ^2/NDF : 1397.4/22

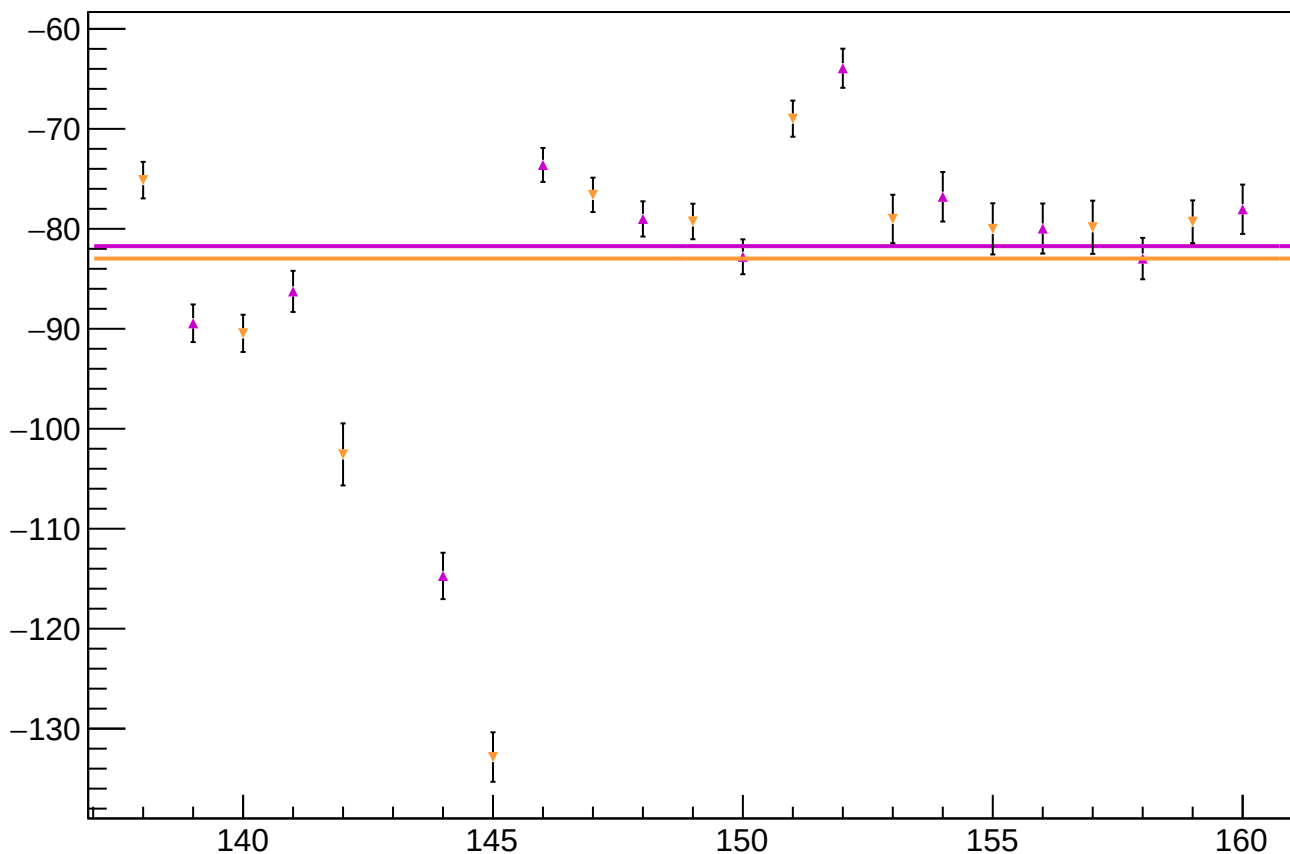
Right: -0.201 ± 0.003 χ^2/NDF : 14886.5/35

In: 0.087 ± 0.003 χ^2/NDF : 12672.2/27

Out: 0.071 ± 0.003 χ^2/NDF : 15791.0/30

All: 0.078 ± 0.002 χ^2/NDF : 28480.2/58

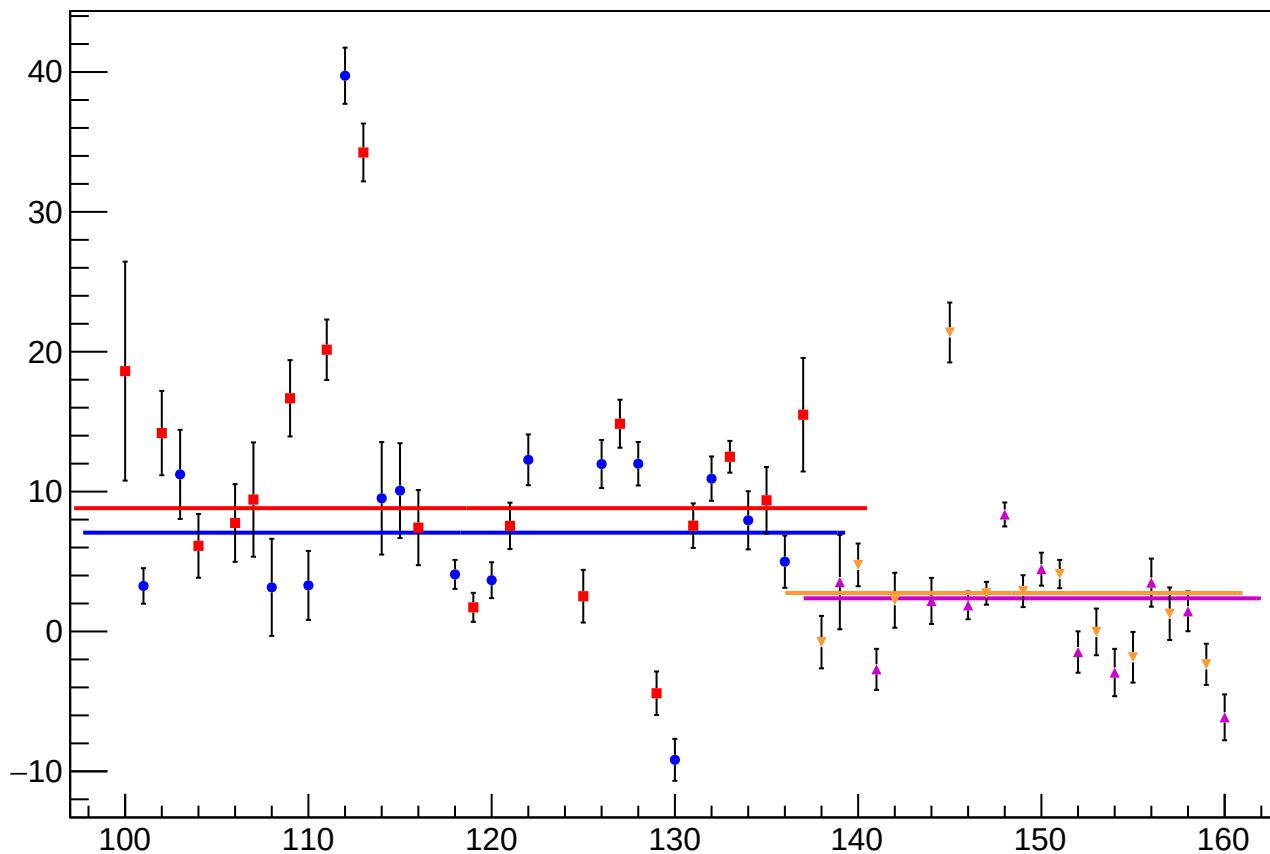
reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -82.973+/-0.633 χ^2/NDF :566.4/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -81.734+/-0.611 χ^2/NDF :339.6/10

Left: -82.332+/-0.439 χ^2/NDF : 908.0/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -81.734+/-0.611 χ^2/NDF :339.6/10
 Out: -82.973+/-0.633 χ^2/NDF :566.4/10
 All: -82.332+/-0.439 χ^2/NDF : 908.0/21

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.063 ± 0.434 $\chi^2/\text{NDF}: 446.9/15$

Left Out: 2.753 ± 0.413 $\chi^2/\text{NDF}: 104.7/10$

Right Out: 8.816 ± 0.449 $\chi^2/\text{NDF}: 350.4/17$

Left In: 2.369 ± 0.407 $\chi^2/\text{NDF}: 108.8/10$

Left: 2.558 ± 0.290 $\chi^2/\text{NDF}: 214.0/21$

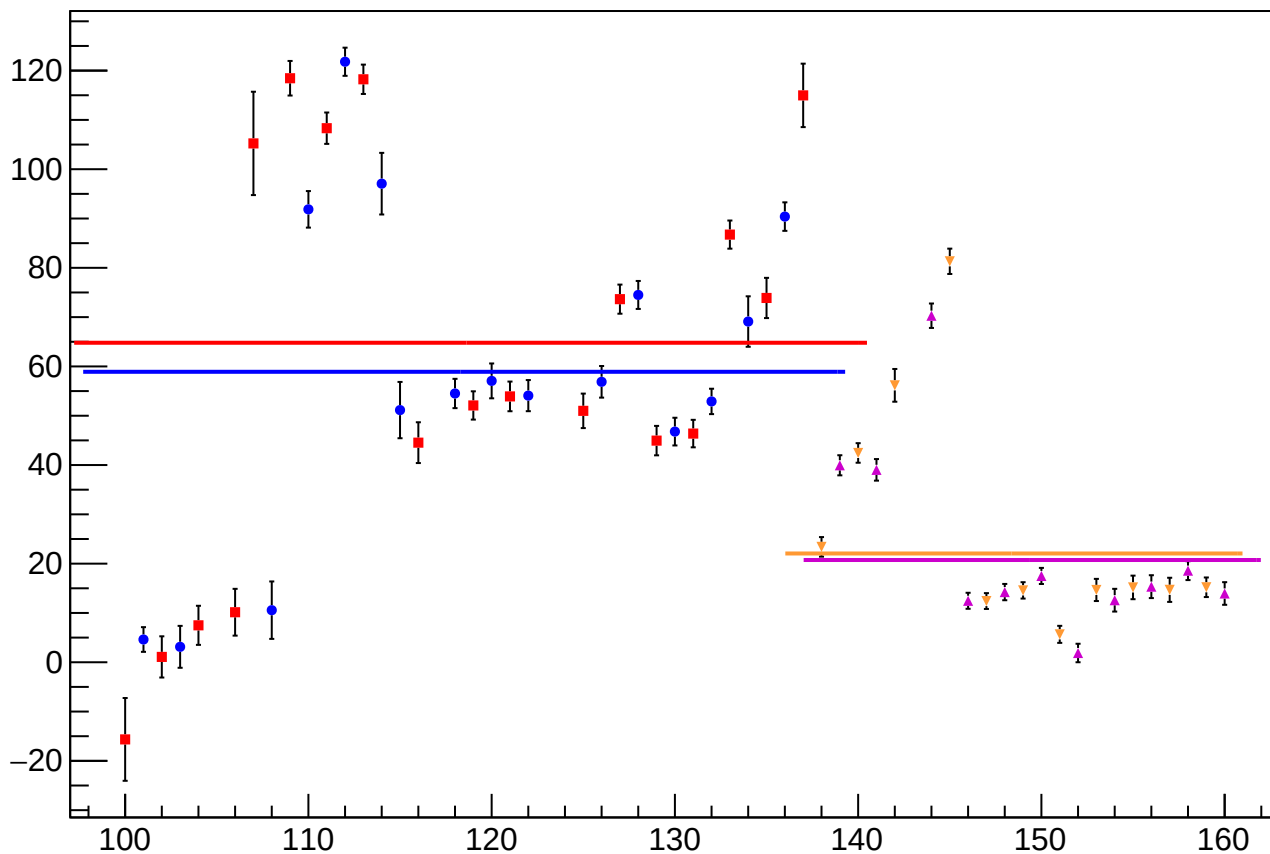
Right: 7.909 ± 0.312 $\chi^2/\text{NDF}: 805.1/33$

In: 4.569 ± 0.297 $\chi^2/\text{NDF}: 618.0/26$

Out: 5.535 ± 0.304 $\chi^2/\text{NDF}: 553.8/28$

All: 5.040 ± 0.212 $\chi^2/\text{NDF}: 1176.9/55$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.913 $\pm$ 0.831 χ^2 /NDF: 1496.7/15

Left Out: 22.061 $\pm$ 0.617 χ^2 /NDF: 930.3/10

Right Out: 64.803 $\pm$ 0.840 χ^2 /NDF: 1718.2/17

Left In: 20.738 $\pm$ 0.592 χ^2 /NDF: 732.8/10

Left: 21.372 $\pm$ 0.427 χ^2 /NDF: 1665.5/21

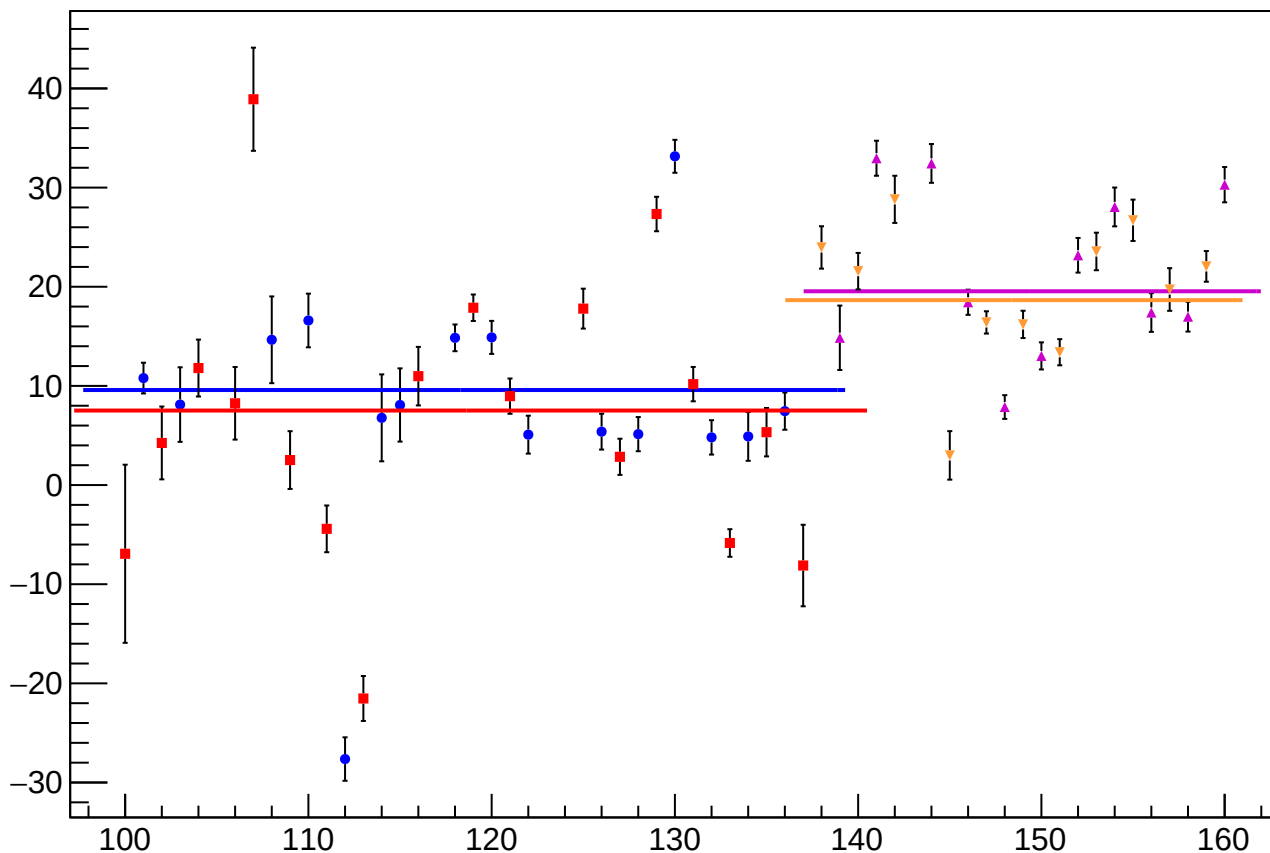
Right: 61.827 $\pm$ 0.591 χ^2 /NDF: 3239.7/33

In: 33.578 $\pm$ 0.482 χ^2 /NDF: 3628.7/26

Out: 37.022 $\pm$ 0.497 χ^2 /NDF: 4330.4/28

All: 35.247 $\pm$ 0.346 χ^2 /NDF: 7983.8/55

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.583 ± 0.501 $\chi^2/\text{NDF}: 554.4/15$

Left Out: 18.649 ± 0.507 $\chi^2/\text{NDF}: 117.7/10$

Right Out: 7.516 ± 0.516 $\chi^2/\text{NDF}: 569.8/17$

Left In: 19.544 ± 0.491 $\chi^2/\text{NDF}: 285.8/10$

Left: 19.110 ± 0.353 $\chi^2/\text{NDF}: 405.1/21$

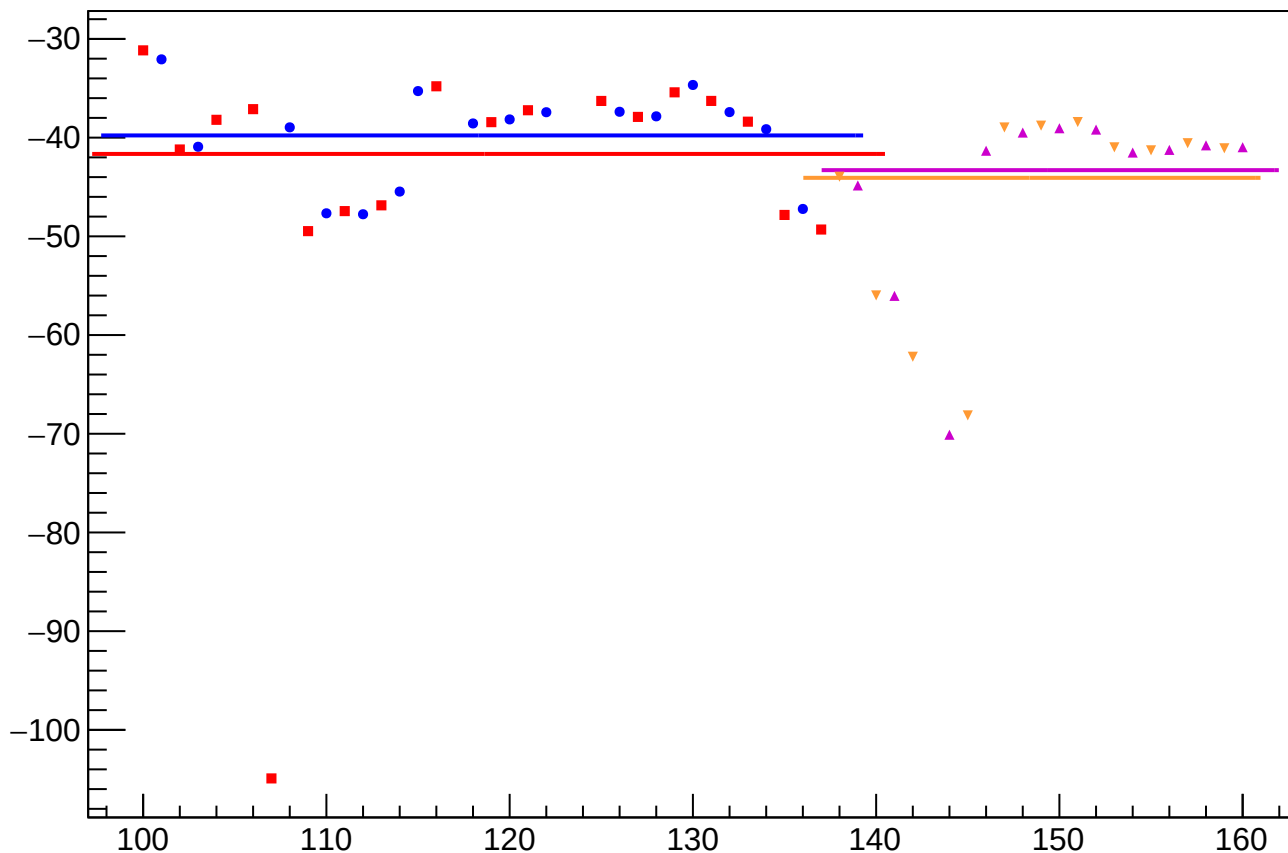
Right: 8.579 ± 0.359 $\chi^2/\text{NDF}: 1132.5/33$

In: 14.661 ± 0.351 $\chi^2/\text{NDF}: 1041.6/26$

Out: 13.181 ± 0.361 $\chi^2/\text{NDF}: 924.7/28$

All: 13.943 ± 0.252 $\chi^2/\text{NDF}: 1975.0/55$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.777 ± 0.031 χ^2/NDF : 26158.0/15

Left Out: -44.072 ± 0.025 χ^2/NDF : 115207.5/10

Right Out: -41.651 ± 0.031 χ^2/NDF : 94457.5/17

Left In: -43.294 ± 0.023 χ^2/NDF : 95564.9/10

Left: -43.660 ± 0.017 χ^2/NDF : 211299.4/21

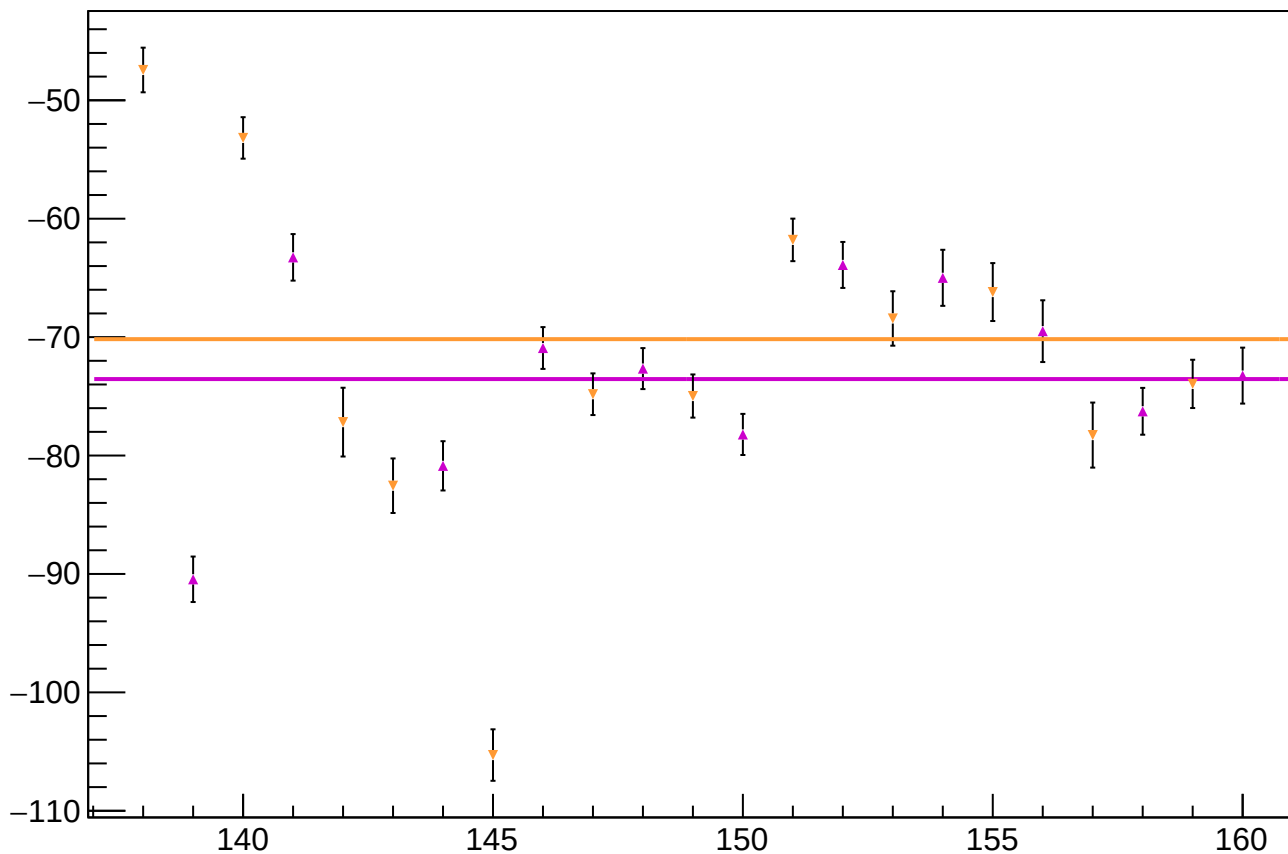
Right: -40.710 ± 0.022 χ^2/NDF : 122427.7/33

In: -42.030 ± 0.019 χ^2/NDF : 129932.5/26

Out: -43.140 ± 0.019 χ^2/NDF : 213371.8/28

All: -42.564 ± 0.013 χ^2/NDF : 345013.0/55

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



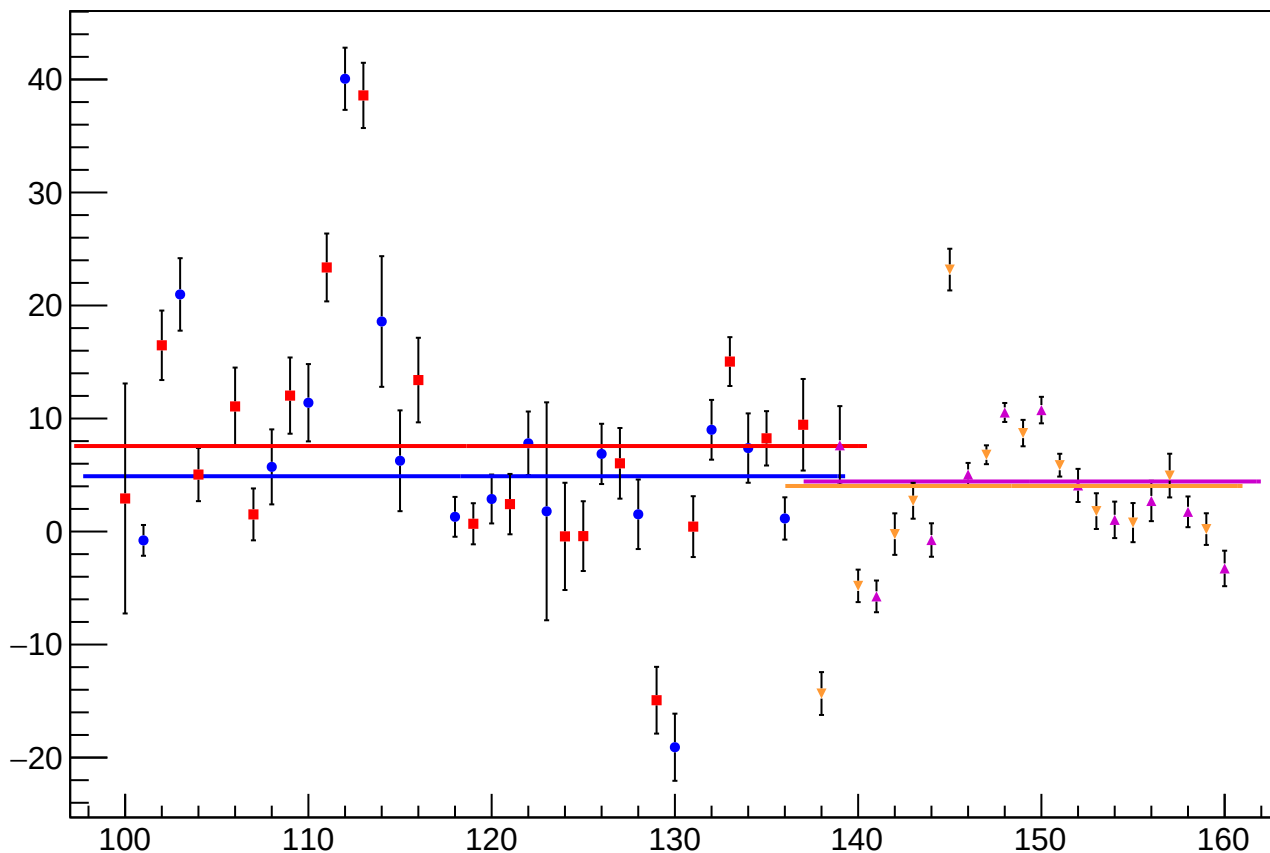
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -70.171+/-0.599 χ^2/NDF :586.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -73.543+/-0.600 χ^2/NDF :169.0/10

Left: -71.852+/-0.424 χ^2/NDF : 771.1/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -73.543+/-0.600 χ^2/NDF :169.0/10
 Out: -70.171+/-0.599 χ^2/NDF :586.3/11

All: -71.852+/-0.424 χ^2/NDF : 771.1/22

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.894 ± 0.621 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 4.030 ± 0.395 $\chi^2/\text{NDF}: 288.9/11$

Right Out: 7.565 ± 0.652 $\chi^2/\text{NDF}: 270.2/18$

Left In: 4.430 ± 0.400 $\chi^2/\text{NDF}: 181.2/10$

Left: 4.227 ± 0.281 $\chi^2/\text{NDF}: 470.5/22$

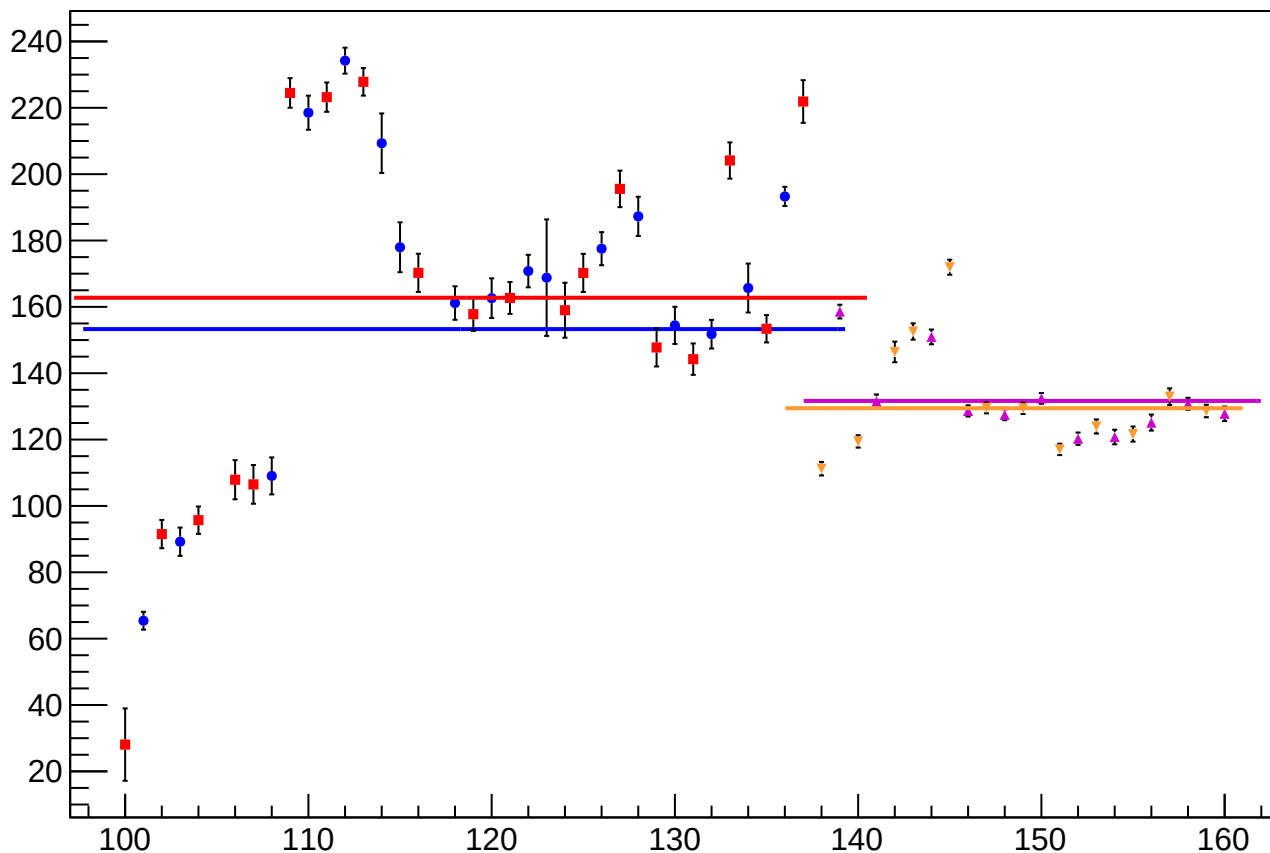
Right: 6.165 ± 0.450 $\chi^2/\text{NDF}: 574.4/35$

In: 4.566 ± 0.336 $\chi^2/\text{NDF}: 477.0/27$

Out: 4.980 ± 0.338 $\chi^2/\text{NDF}: 580.6/30$

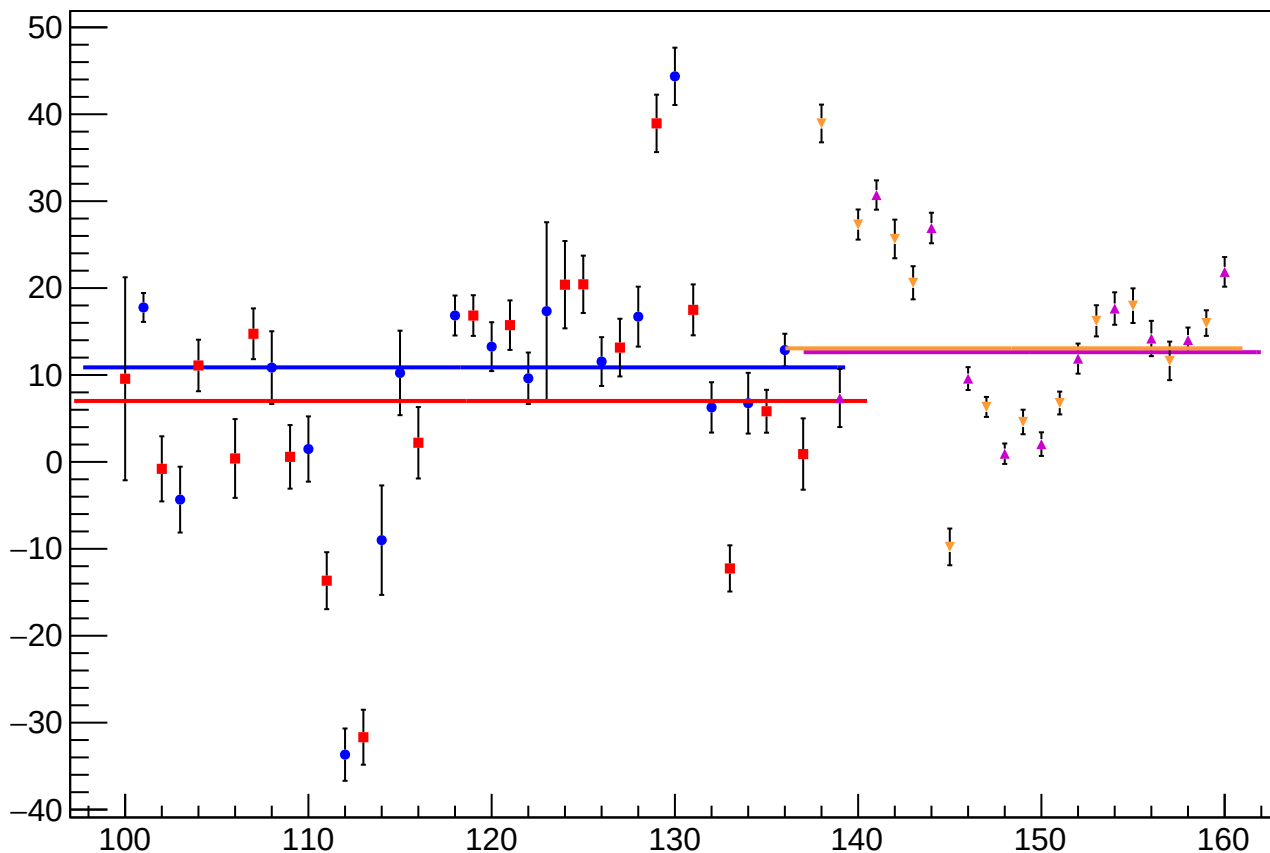
All: 4.772 ± 0.238 $\chi^2/\text{NDF}: 1058.3/58$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 130.563 +/- 0.414 χ^2/NDF : 982.6/22
 Right: 157.893 +/- 0.820 χ^2/NDF : 4008.6/35
 In: 136.105 +/- 0.519 χ^2/NDF : 2876.3/27
 Out: 136.105 +/- 0.526 χ^2/NDF : 2999.4/30
 All: 136.105 +/- 0.369 χ^2/NDF : 5875.7/58

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.878 $\pm$ 0.713 χ^2 /NDF: 388.1/16

Left Out: 13.068 $\pm$ 0.482 χ^2 /NDF:481.0/11

Right Out: 7.014 $\pm$ 0.748 χ^2 /NDF: 424.5/18

Left In: 12.625 $\pm$ 0.482 χ^2 /NDF:386.6/10

Left: 12.847 $\pm$ 0.341 χ^2 /NDF: 868.0/22

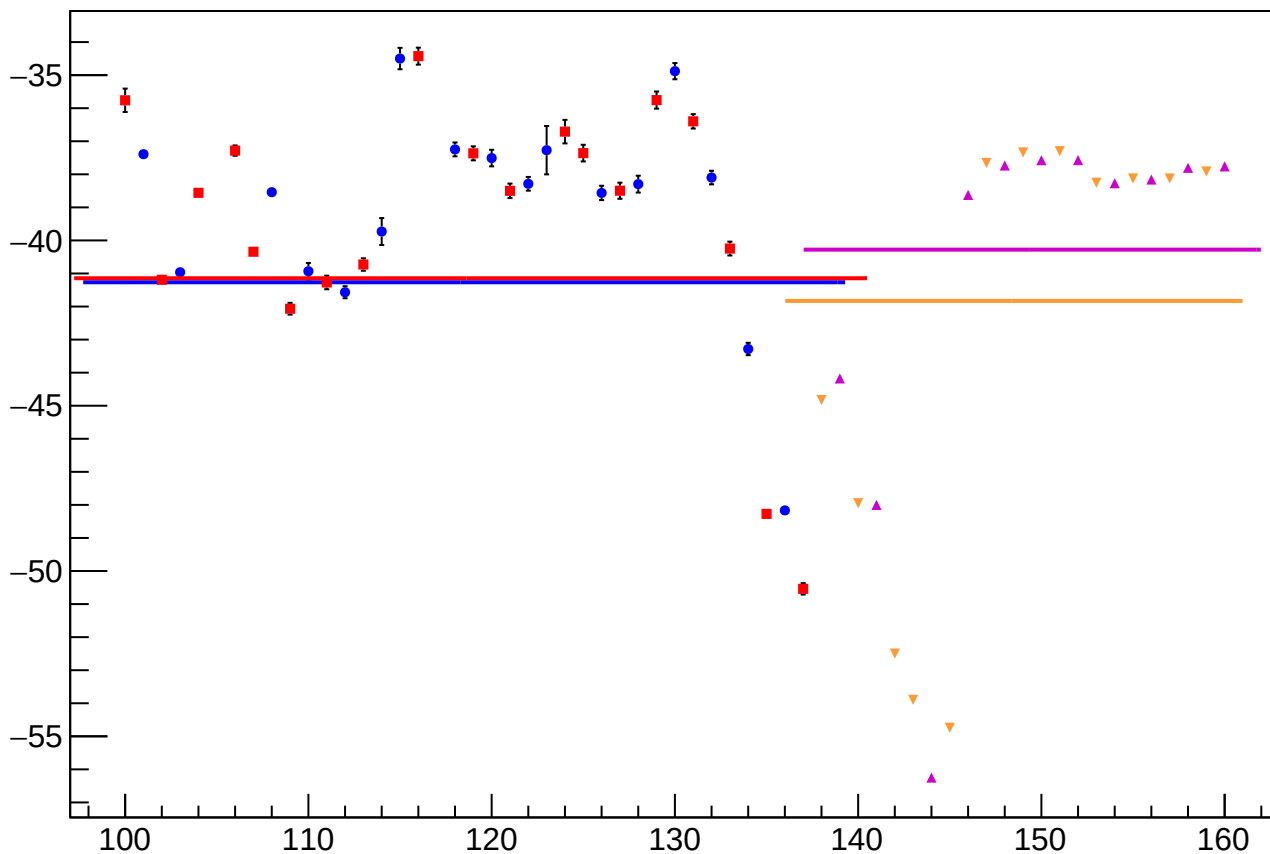
Right: 9.038 $\pm$ 0.516 χ^2 /NDF: 826.6/35

In: 12.077 $\pm$ 0.399 χ^2 /NDF:778.8/27

Out: 11.295 $\pm$ 0.405 χ^2 /NDF:951.9/30

All: 11.691 $\pm$ 0.284 χ^2 /NDF: 1732.5/58

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.265 ± 0.038 $\chi^2/\text{NDF}: 12570.1/16$

Left Out: -41.830 ± 0.023 $\chi^2/\text{NDF}: 69929.4/11$

Right Out: -41.144 ± 0.039 $\chi^2/\text{NDF}: 12218.7/18$

Left In: -40.279 ± 0.023 $\chi^2/\text{NDF}: 46519.9/10$

Left: -41.035 ± 0.016 $\chi^2/\text{NDF}: 118685.7/22$

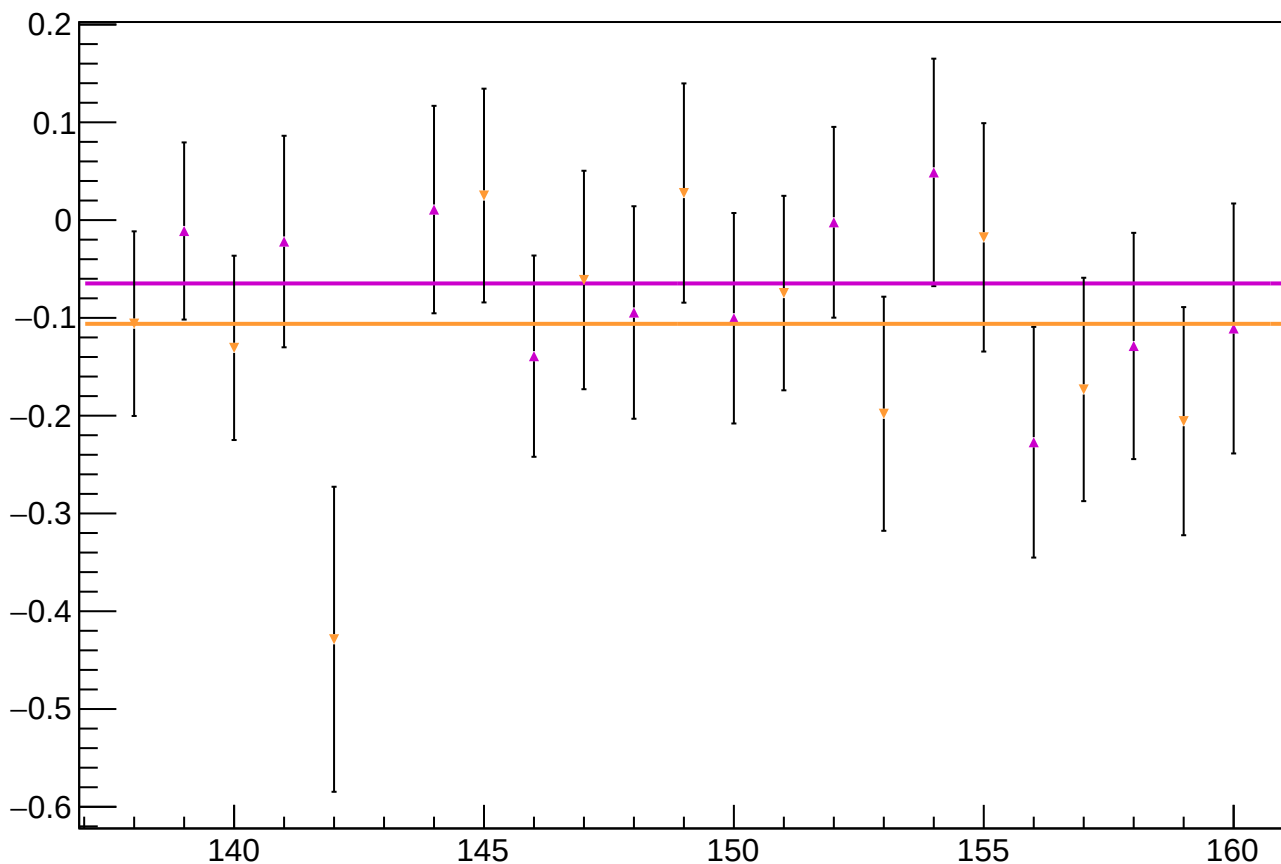
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24793.7/35$

In: -40.537 ± 0.020 $\chi^2/\text{NDF}: 59574.9/27$

Out: -41.645 ± 0.020 $\chi^2/\text{NDF}: 82378.8/30$

All: -41.080 ± 0.014 $\chi^2/\text{NDF}: 143507.8/58$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -0.106 ± 0.033 $\chi^2/\text{NDF}: 9.7/10$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -0.065 ± 0.032 $\chi^2/\text{NDF}: 5.4/10$

Left: -0.085 ± 0.023 $\chi^2/\text{NDF}: 15.9/21$

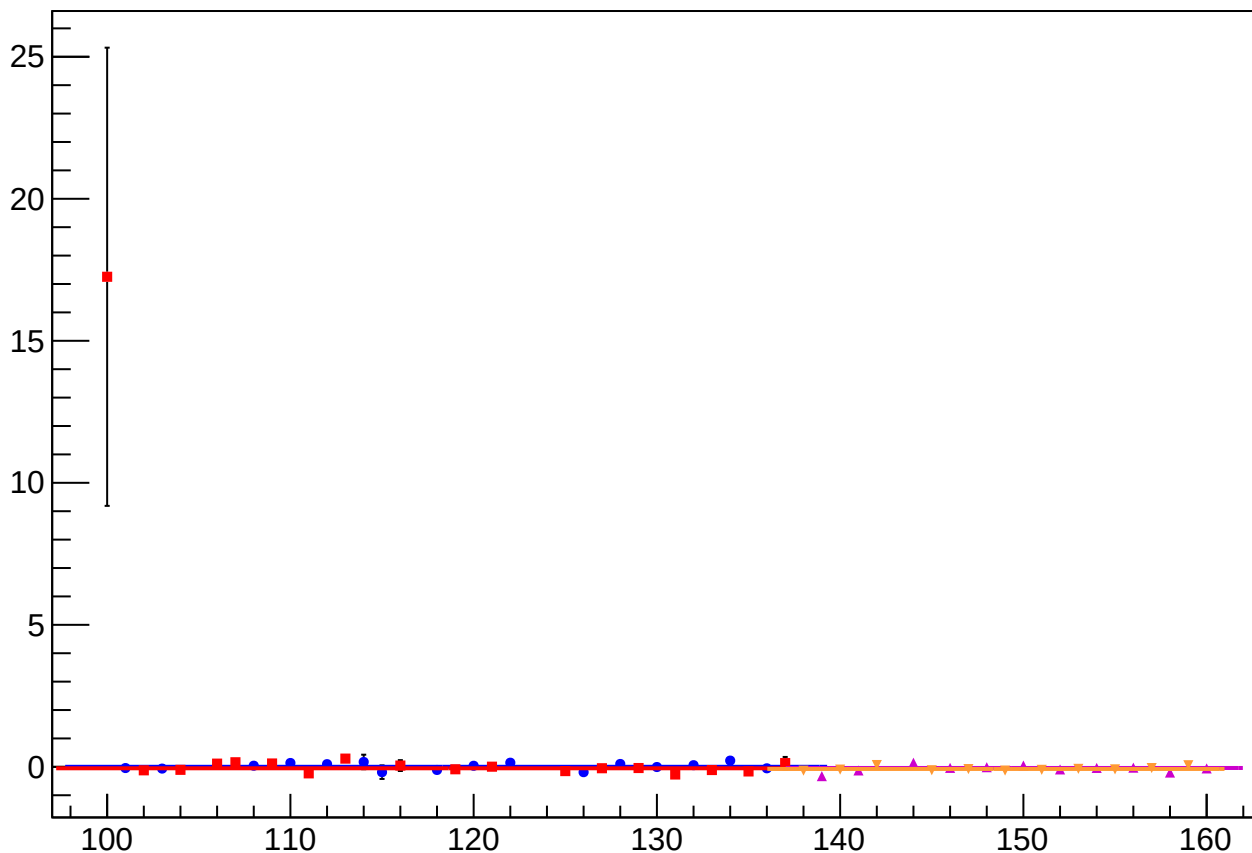
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -0.065 ± 0.032 $\chi^2/\text{NDF}: 5.4/10$

Out: -0.106 ± 0.033 $\chi^2/\text{NDF}: 9.7/10$

All: -0.085 ± 0.023 $\chi^2/\text{NDF}: 15.9/21$

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 ± 0.028 χ^2/NDF : 12.5/15

Left Out: -0.074 ± 0.023 χ^2/NDF : 6.4/10

Right Out: -0.051 ± 0.029 χ^2/NDF : 25.8/17

Left In: -0.040 ± 0.022 χ^2/NDF : 16.5/10

Left: -0.057 ± 0.016 χ^2/NDF : 24.0/21

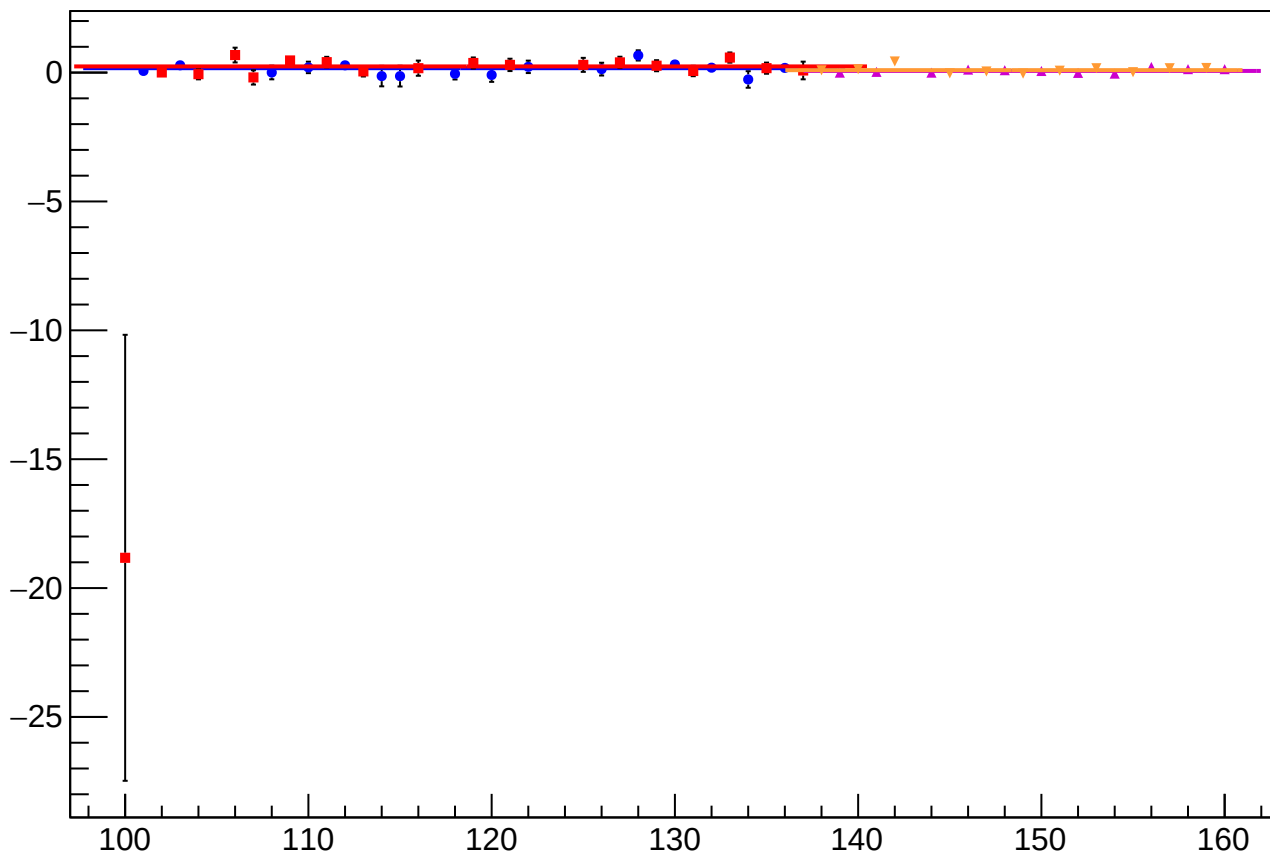
Right: -0.024 ± 0.020 χ^2/NDF : 40.0/33

In: -0.024 ± 0.018 χ^2/NDF : 30.4/26

Out: -0.066 ± 0.018 χ^2/NDF : 32.6/28

All: -0.044 ± 0.013 χ^2/NDF : 65.7/55

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.171+/-0.052 χ^2/NDF : 13.7/15

Left Out: 0.093+/-0.033 χ^2/NDF : 9.4/10

Right Out: 0.239+/-0.054 χ^2/NDF : 21.8/17

Left In: 0.064+/-0.032 χ^2/NDF : 5.6/10

Left: 0.078+/-0.023 χ^2/NDF : 15.5/21

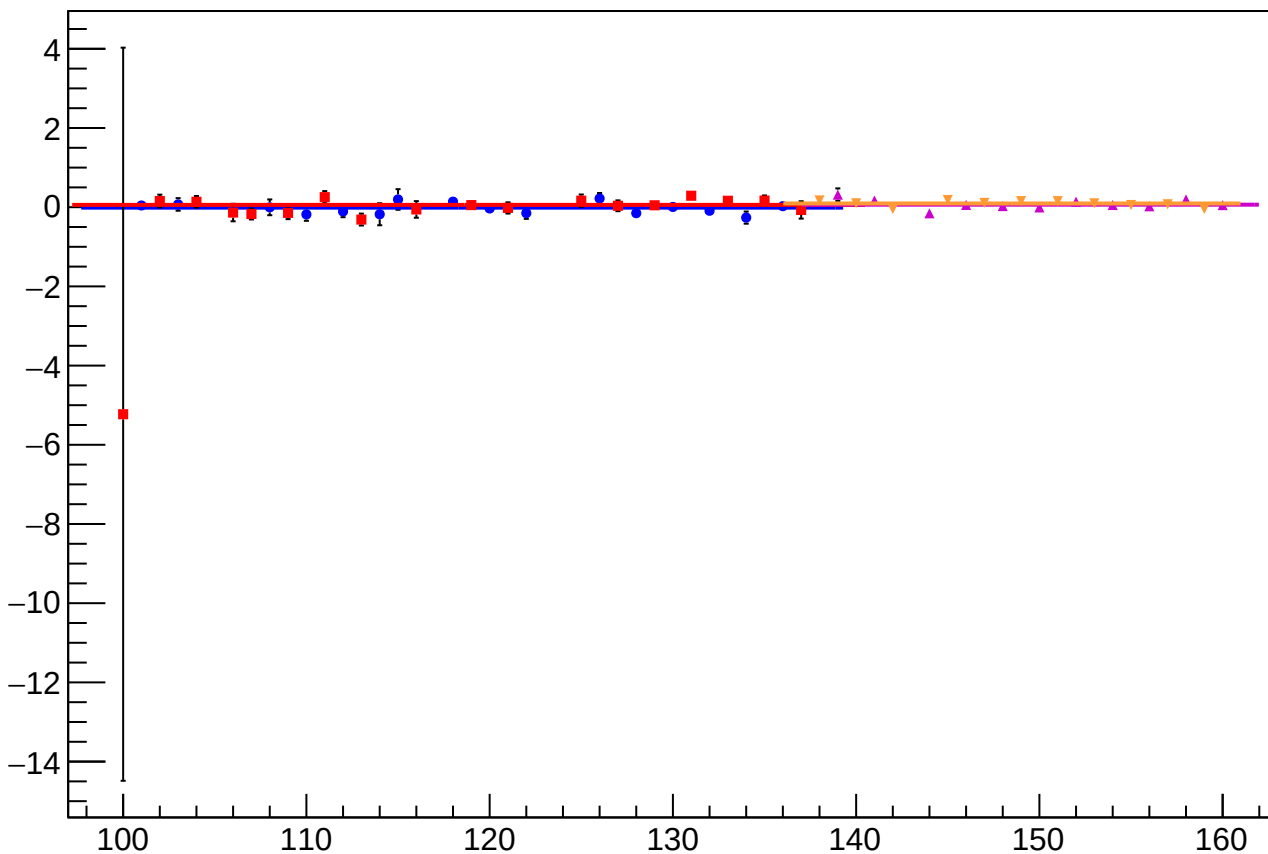
Right: 0.204+/-0.038 χ^2/NDF : 36.3/33

In: 0.092+/-0.027 χ^2/NDF : 22.3/26

Out: 0.132+/-0.028 χ^2/NDF : 36.5/28

All: 0.112+/-0.019 χ^2/NDF : 59.9/55

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 13.8/15

Left Out: 0.094 ± 0.027 χ^2/NDF : 6.6/10

Right Out: 0.059 ± 0.034 χ^2/NDF : 20.6/17

Left In: 0.063 ± 0.027 χ^2/NDF : 14.0/10

Left: 0.078 ± 0.019 χ^2/NDF : 21.3/21

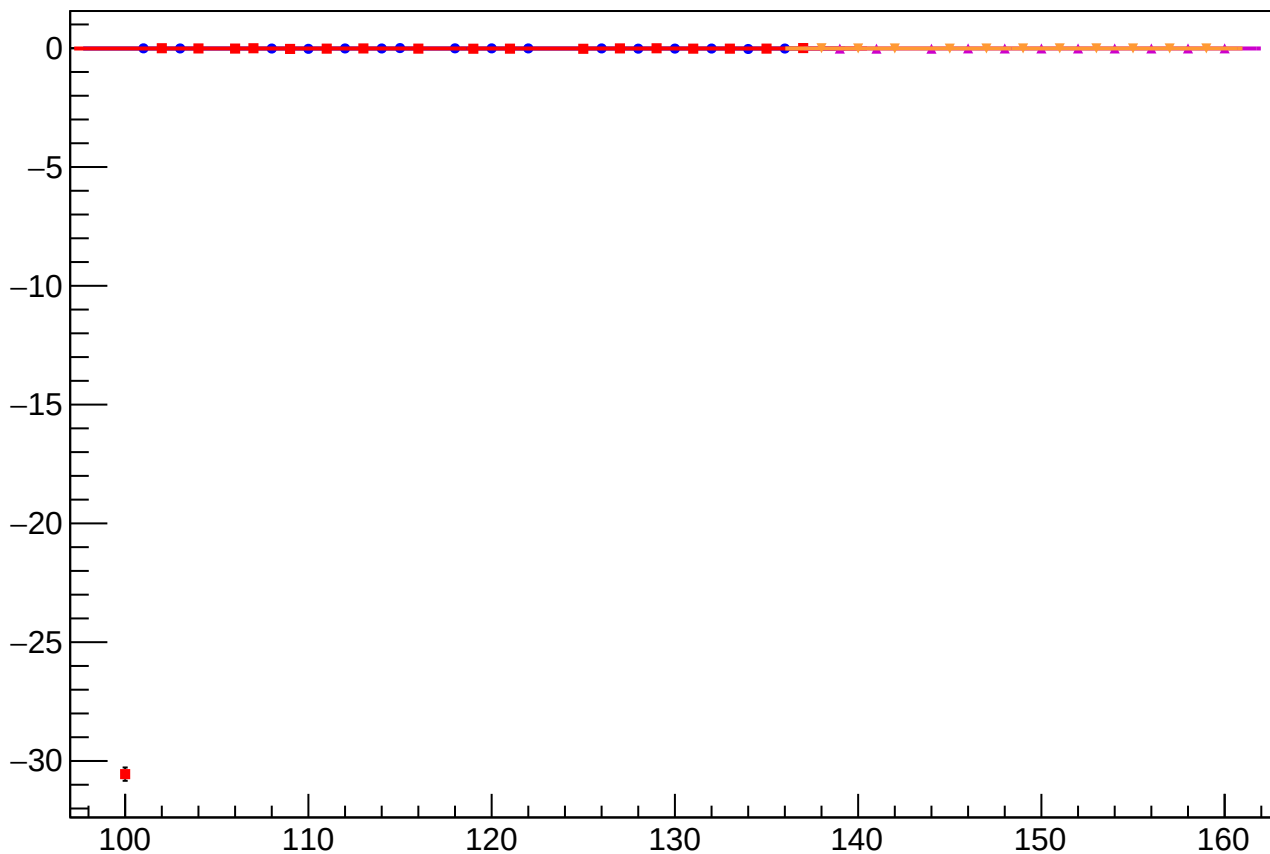
Right: 0.022 ± 0.023 χ^2/NDF : 36.5/33

In: 0.033 ± 0.021 χ^2/NDF : 30.9/26

Out: 0.080 ± 0.021 χ^2/NDF : 27.9/28

All: 0.056 ± 0.015 χ^2/NDF : 61.3/55

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.9/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:8.2/10

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.5/17

Left In: -0.011 $\pm$ 0.001 χ^2 /NDF:11.2/10

Left: -0.010 $\pm$ 0.001 χ^2 /NDF: 20.6/21

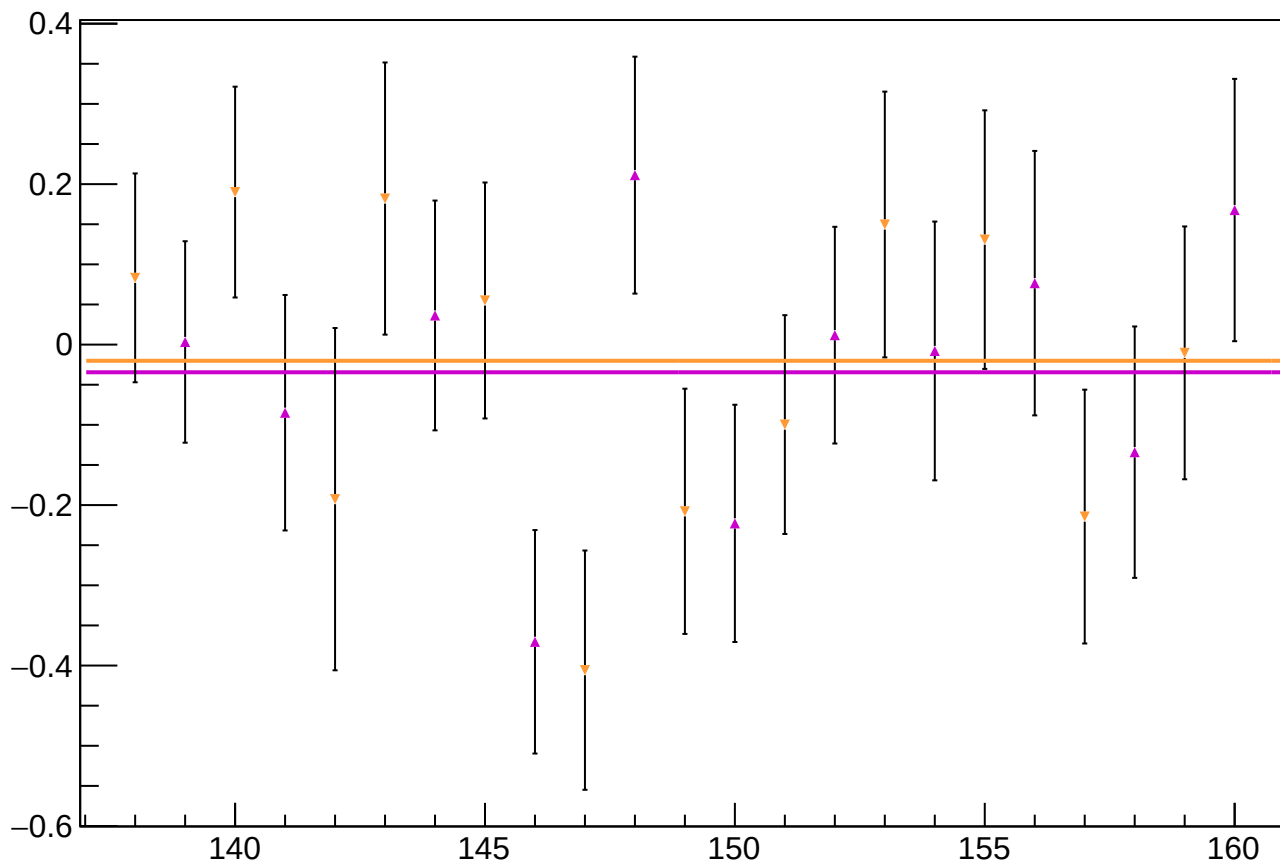
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.4/33

In: -0.011 $\pm$ 0.001 χ^2 /NDF:24.4/26

Out: -0.010 $\pm$ 0.001 χ^2 /NDF:11902.0/28

All: -0.011 $\pm$ 0.001 χ^2 /NDF: 11927.0/55

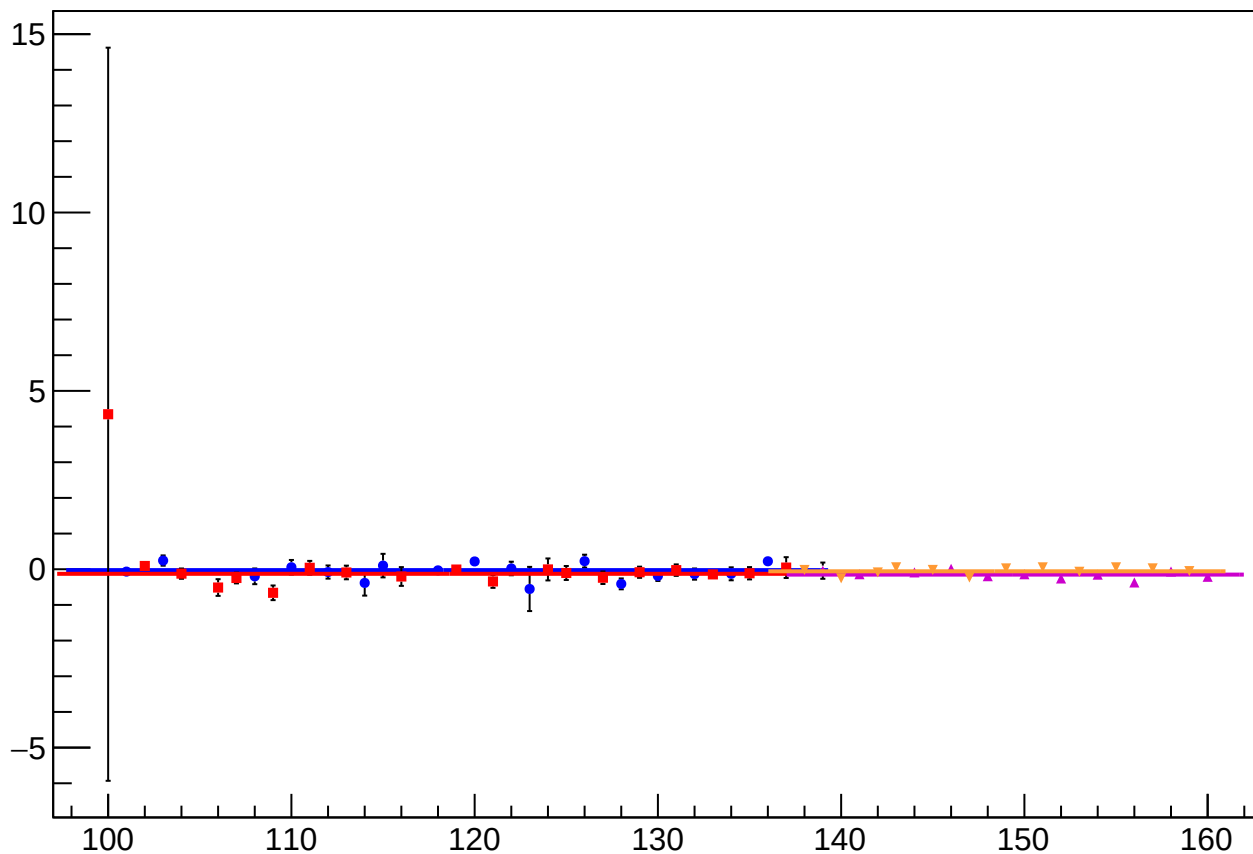
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.020 $\pm$ 0.044 χ^2 /NDF:17.5/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.034 $\pm$ 0.044 χ^2 /NDF:13.2/10

Left: -0.027 $\pm$ 0.031 χ^2 /NDF: 30.7/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.034 $\pm$ 0.044 χ^2 /NDF:13.2/10
 Out: -0.020 $\pm$ 0.044 χ^2 /NDF:17.5/11
 All: -0.027 $\pm$ 0.031 χ^2 /NDF: 30.7/22

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.037 χ^2/NDF : 23.4/16

Left Out: -0.057+/-0.030 χ^2/NDF : 14.7/11

Right Out: -0.128+/-0.039 χ^2/NDF : 17.6/18

Left In: -0.150+/-0.031 χ^2/NDF : 10.7/10

Left: -0.103+/-0.021 χ^2/NDF : 30.1/22

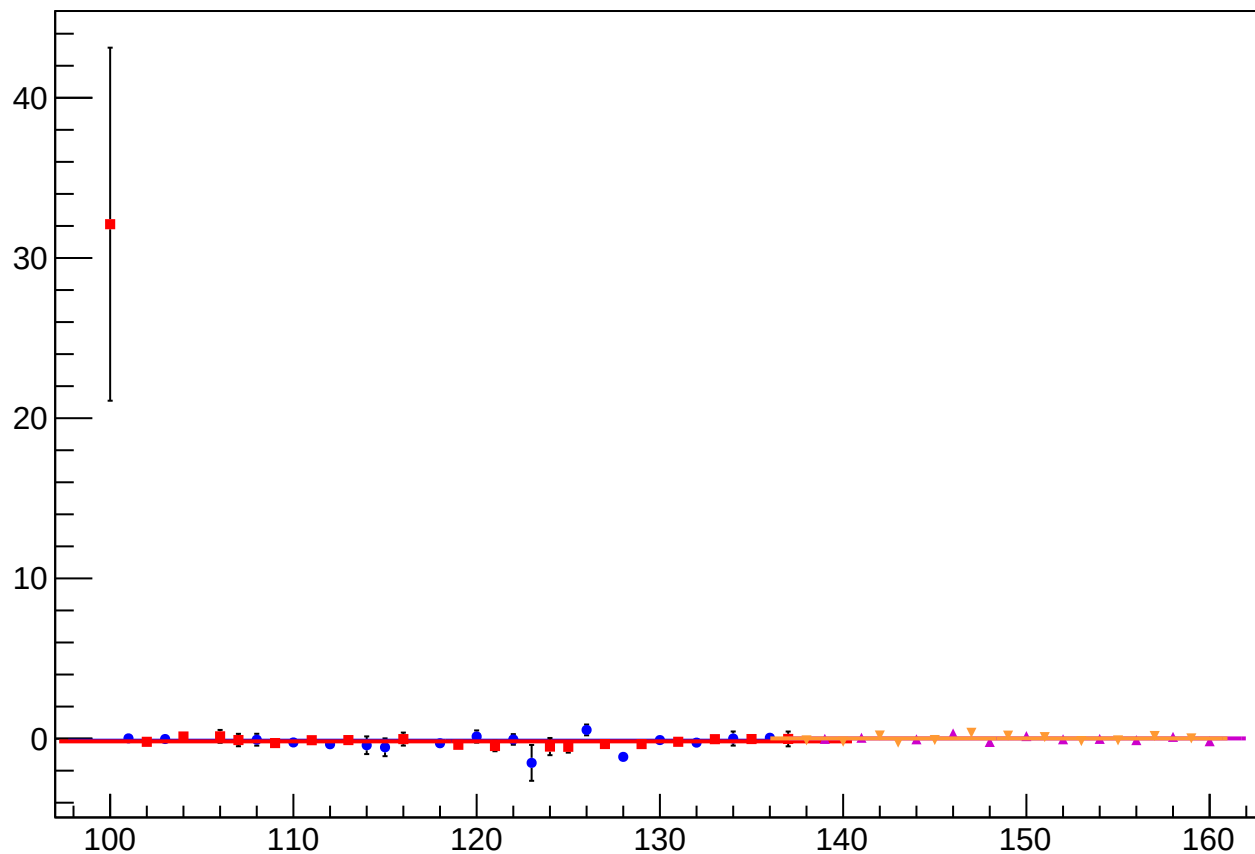
Right: -0.072+/-0.027 χ^2/NDF : 44.7/35

In: -0.098+/-0.023 χ^2/NDF : 41.0/27

Out: -0.083+/-0.024 χ^2/NDF : 34.4/30

All: -0.091+/-0.017 χ^2/NDF : 75.6/58

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.7/16$

Left Out: 0.013 ± 0.043 $\chi^2/\text{NDF}: 17.2/11$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 15.0/18$

Left In: 0.012 ± 0.043 $\chi^2/\text{NDF}: 11.8/10$

Left: 0.013 ± 0.031 $\chi^2/\text{NDF}: 29.0/22$

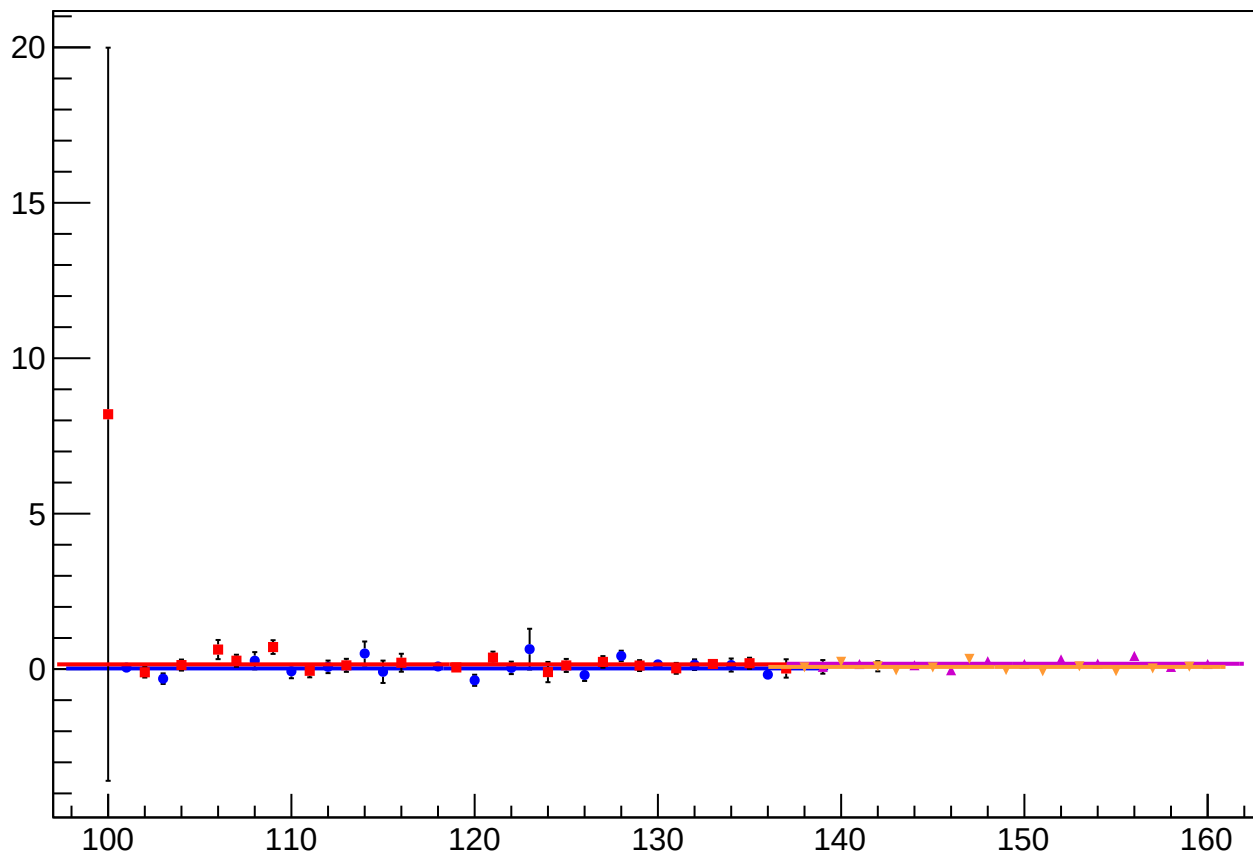
Right: -0.149 ± 0.049 $\chi^2/\text{NDF}: 39.0/35$

In: -0.030 ± 0.036 $\chi^2/\text{NDF}: 38.7/27$

Out: -0.037 ± 0.037 $\chi^2/\text{NDF}: 37.1/30$

All: -0.033 ± 0.026 $\chi^2/\text{NDF}: 75.9/58$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021 $\pm$ 0.042 χ^2 /NDF: 22.5/16

Left Out: 0.070 $\pm$ 0.036 χ^2 /NDF:13.3/11

Right Out: 0.152 $\pm$ 0.045 χ^2 /NDF: 16.2/18

Left In: 0.171 $\pm$ 0.036 χ^2 /NDF:10.9/10

Left: 0.120 $\pm$ 0.026 χ^2 /NDF: 28.1/22

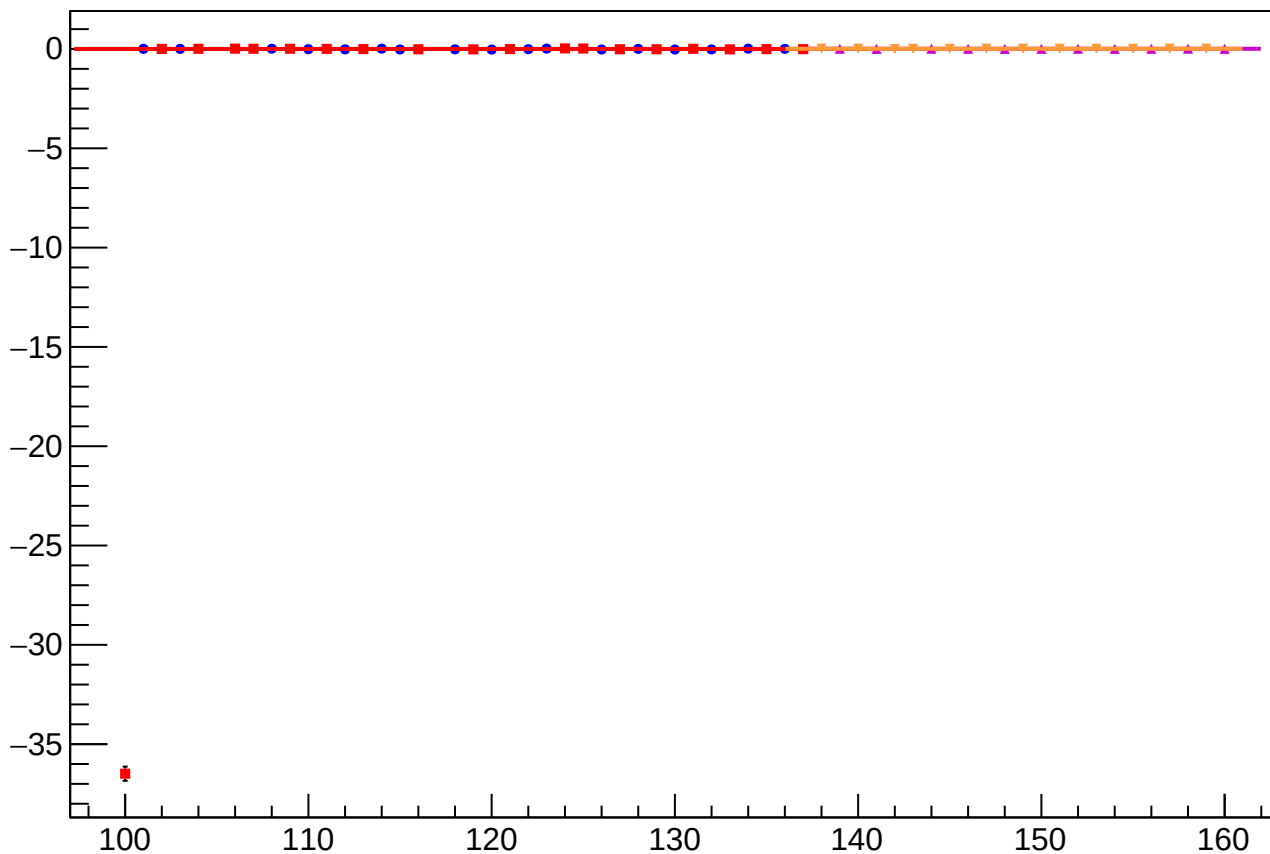
Right: 0.082 $\pm$ 0.031 χ^2 /NDF: 43.2/35

In: 0.107 $\pm$ 0.028 χ^2 /NDF:40.6/27

Out: 0.101 $\pm$ 0.028 χ^2 /NDF:31.5/30

All: 0.104 $\pm$ 0.020 χ^2 /NDF: 72.2/58

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 32.4/16

Left Out: 0.011 $\pm$ 0.002 χ^2 /NDF: 5.5/11

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.002 χ^2 /NDF: 4.9/10

Left: 0.011 $\pm$ 0.001 χ^2 /NDF: 10.5/22

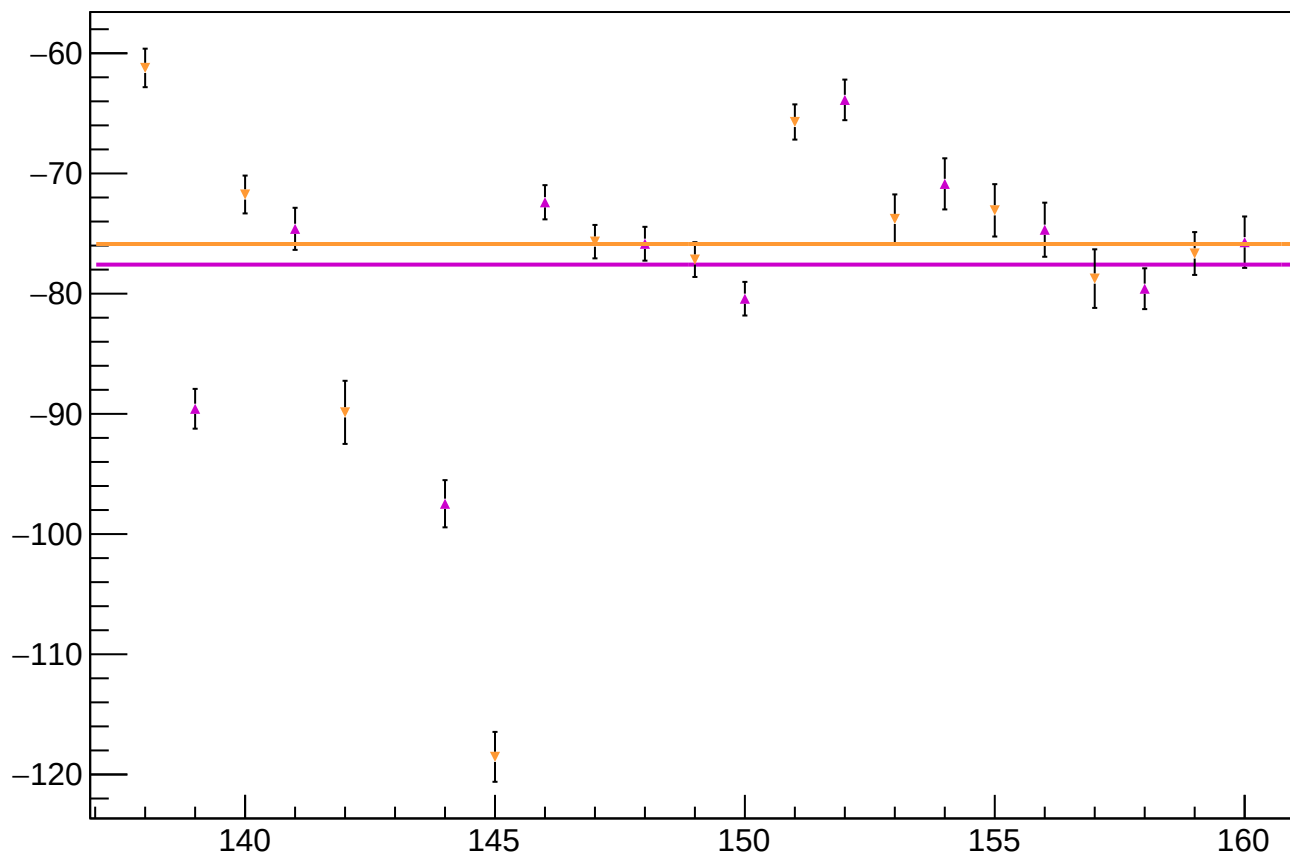
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10481.5/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 50.2/27

Out: 0.007 $\pm$ 0.001 χ^2 /NDF: 10466.7/30

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10516.9/58

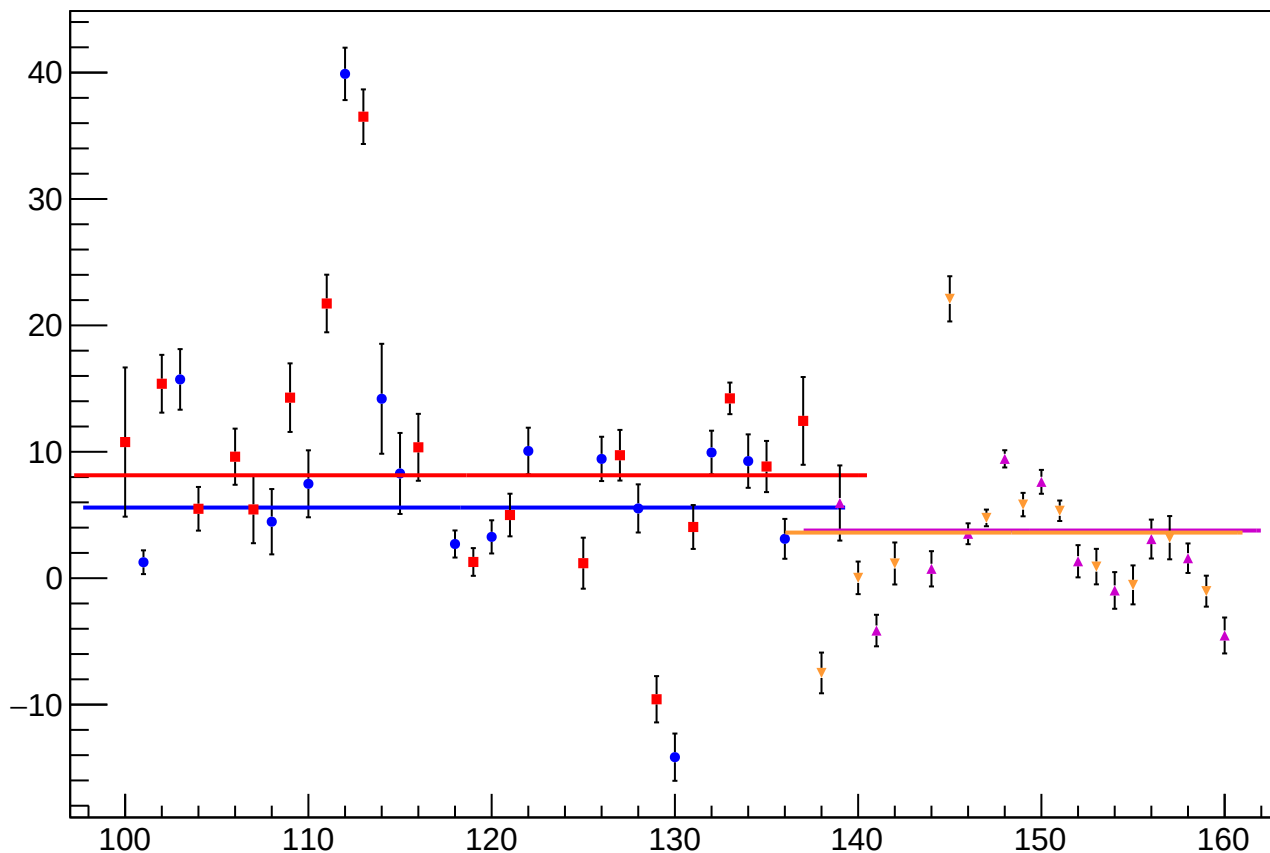
reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -75.868+/-0.530 χ^2/NDF :594.6/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -77.583+/-0.513 χ^2/NDF :256.6/10

Left: -76.752+/-0.369 χ^2/NDF : 856.6/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -77.583+/-0.513 χ^2/NDF :256.6/10
 Out: -75.868+/-0.530 χ^2/NDF :594.6/10
 All: -76.752+/-0.369 χ^2/NDF : 856.6/21

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.589+/-0.424 χ^2/NDF : 462.8/15

Left Out: 3.609+/-0.341 χ^2/NDF :202.9/10

Right Out: 8.142+/-0.454 χ^2/NDF : 407.7/17

Left In: 3.771+/-0.338 χ^2/NDF :183.4/10

Left: 3.691+/-0.240 χ^2/NDF : 386.5/21

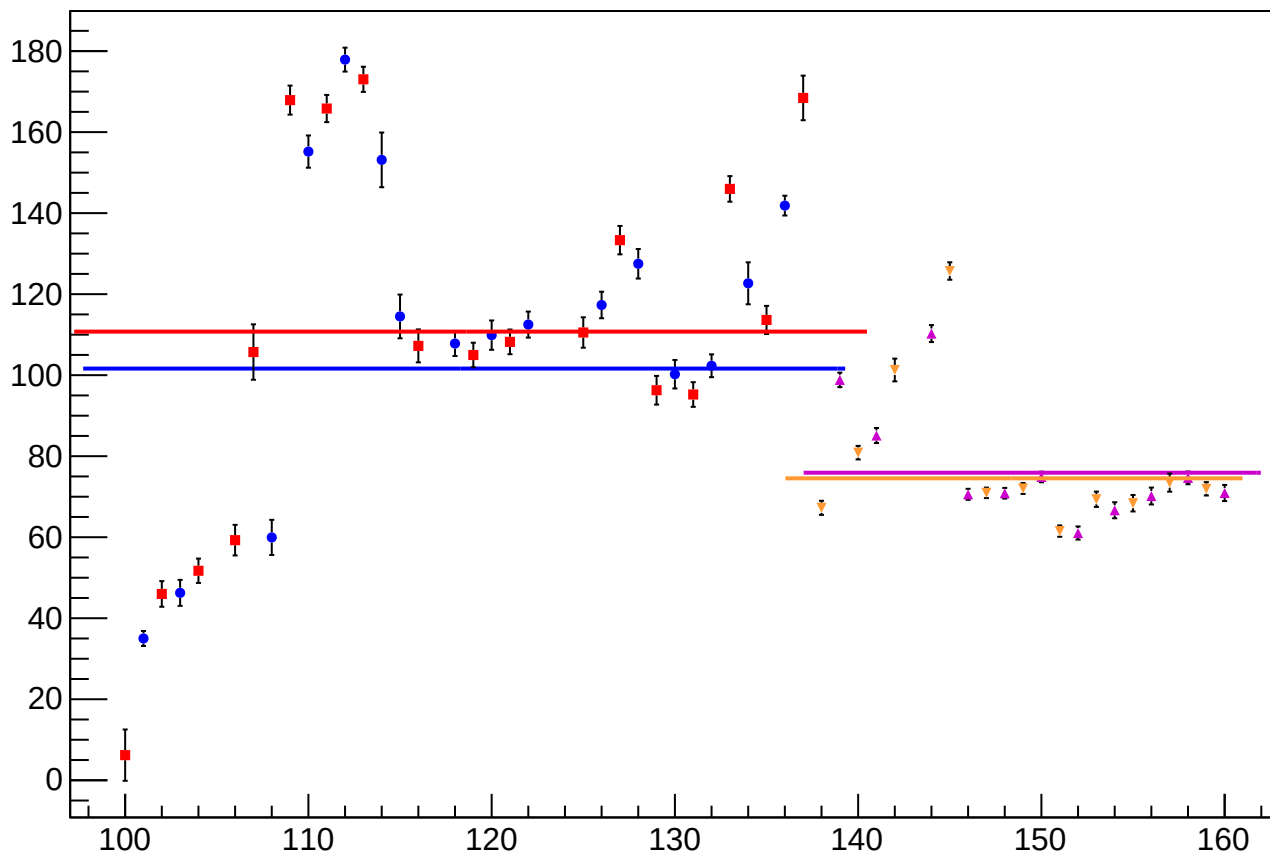
Right: 6.778+/-0.310 χ^2/NDF : 887.4/33

In: 4.478+/-0.264 χ^2/NDF :657.5/26

Out: 5.247+/-0.273 χ^2/NDF :674.4/28

All: 4.851+/-0.190 χ^2/NDF : 1336.0/55

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.631 $\pm$ 0.807 χ^2 /NDF: 2978.9/15

Left Out: 74.539 $\pm$ 0.515 χ^2 /NDF:803.9/10

Right Out: 110.756 $\pm$ 0.836 χ^2 /NDF: 2513.0/17

Left In: 75.920 $\pm$ 0.497 χ^2 /NDF:607.3/10

Left: 75.255 $\pm$ 0.358 χ^2 /NDF: 1414.9/21

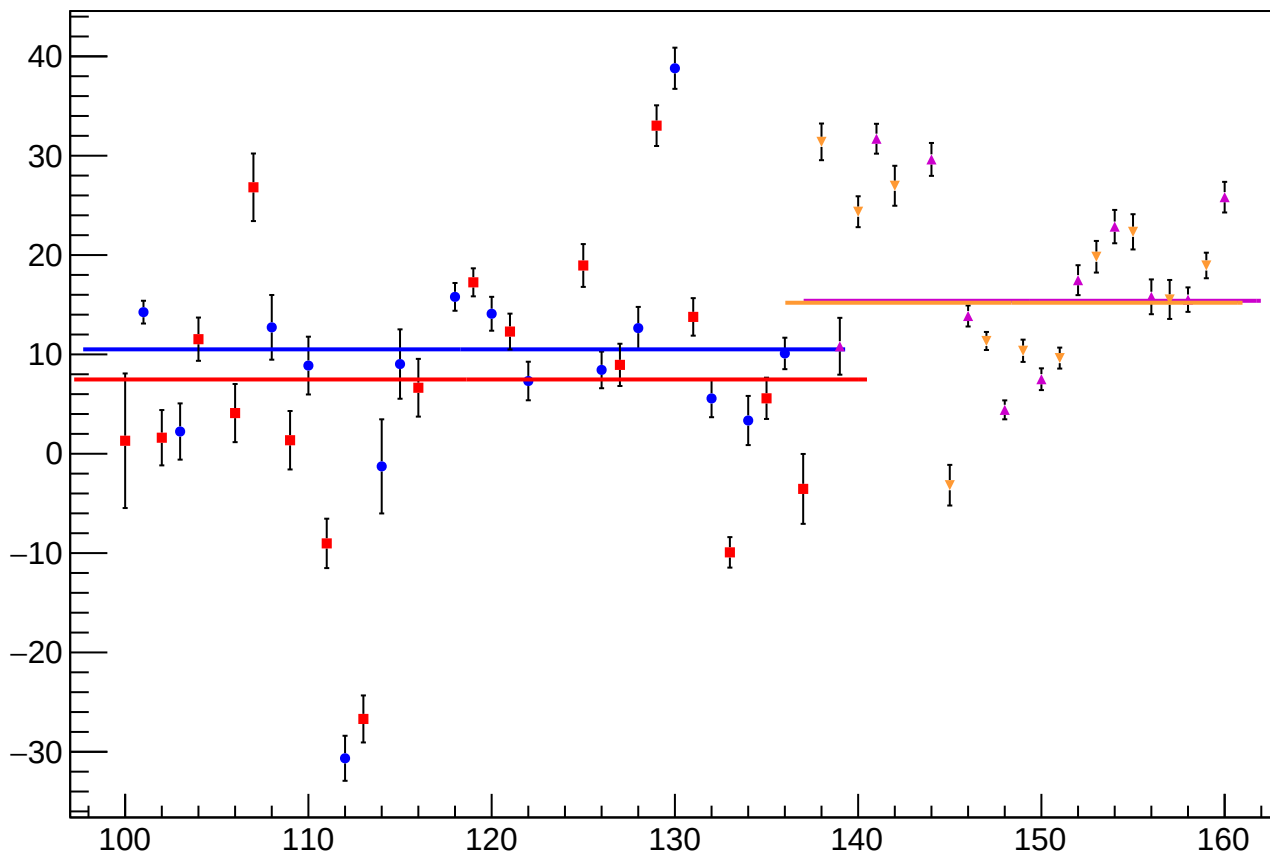
Right: 106.031 $\pm$ 0.581 χ^2 /NDF: 5553.5/33

In: 82.983 $\pm$ 0.423 χ^2 /NDF:4322.5/26

Out: 84.505 $\pm$ 0.439 χ^2 /NDF:4676.5/28

All: 83.716 $\pm$ 0.304 χ^2 /NDF: 9005.3/55

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.508+/-0.492 χ^2/NDF : 581.5/15

Left Out: 15.200+/-0.420 χ^2/NDF : 324.1/10

Right Out: 7.477+/-0.524 χ^2/NDF : 689.3/17

Left In: 15.396+/-0.410 χ^2/NDF : 448.2/10

Left: 15.301+/-0.293 χ^2/NDF : 772.5/21

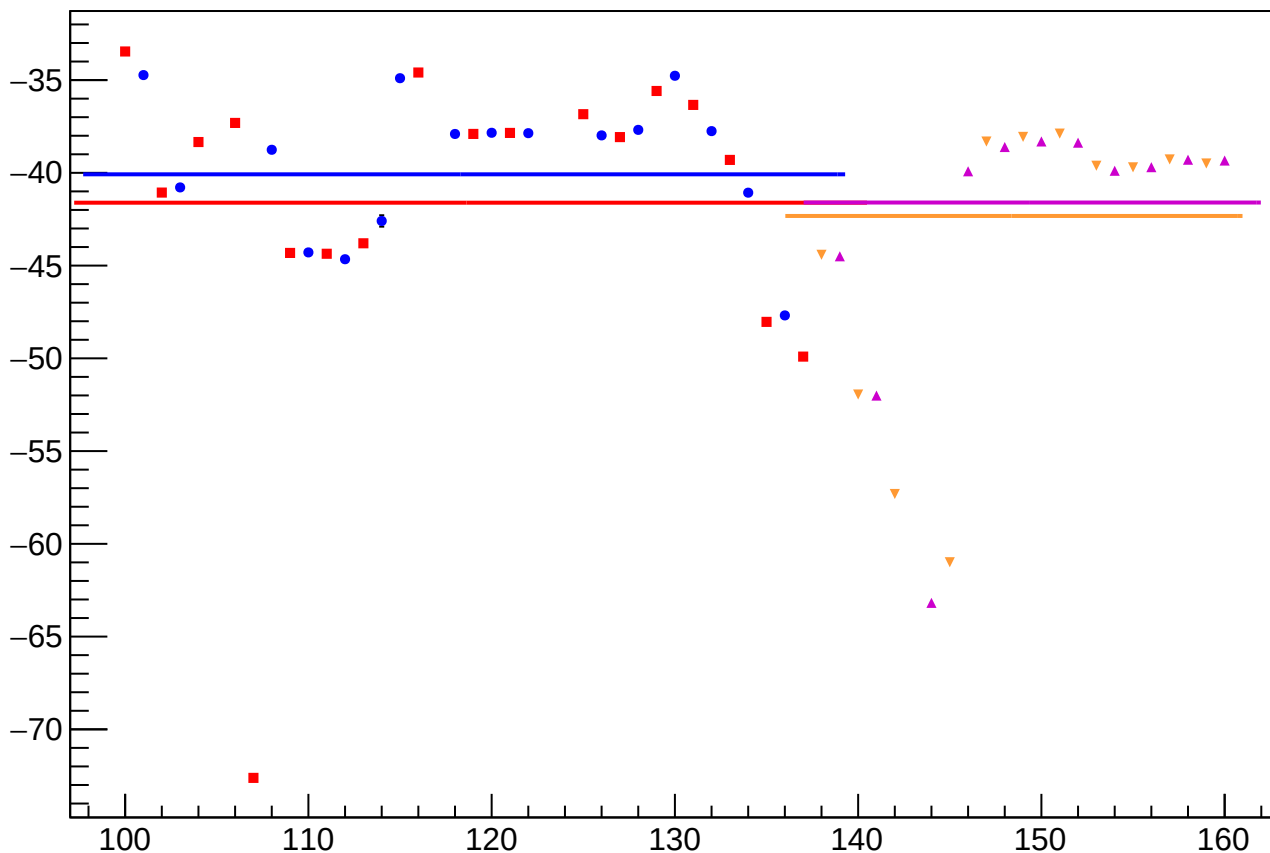
Right: 9.088+/-0.359 χ^2/NDF : 1288.6/33

In: 13.395+/-0.315 χ^2/NDF : 1088.0/26

Out: 12.181+/-0.328 χ^2/NDF : 1145.7/28

All: 12.812+/-0.227 χ^2/NDF : 2240.9/55

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.080 ± 0.028 χ^2/NDF : 25123.9/15

Left Out: -42.324 ± 0.021 χ^2/NDF : 105460.2/10

Right Out: -41.609 ± 0.029 χ^2/NDF : 61784.6/17

Left In: -41.601 ± 0.020 χ^2/NDF : 89649.0/10

Left: -41.942 ± 0.014 χ^2/NDF : 195751.5/21

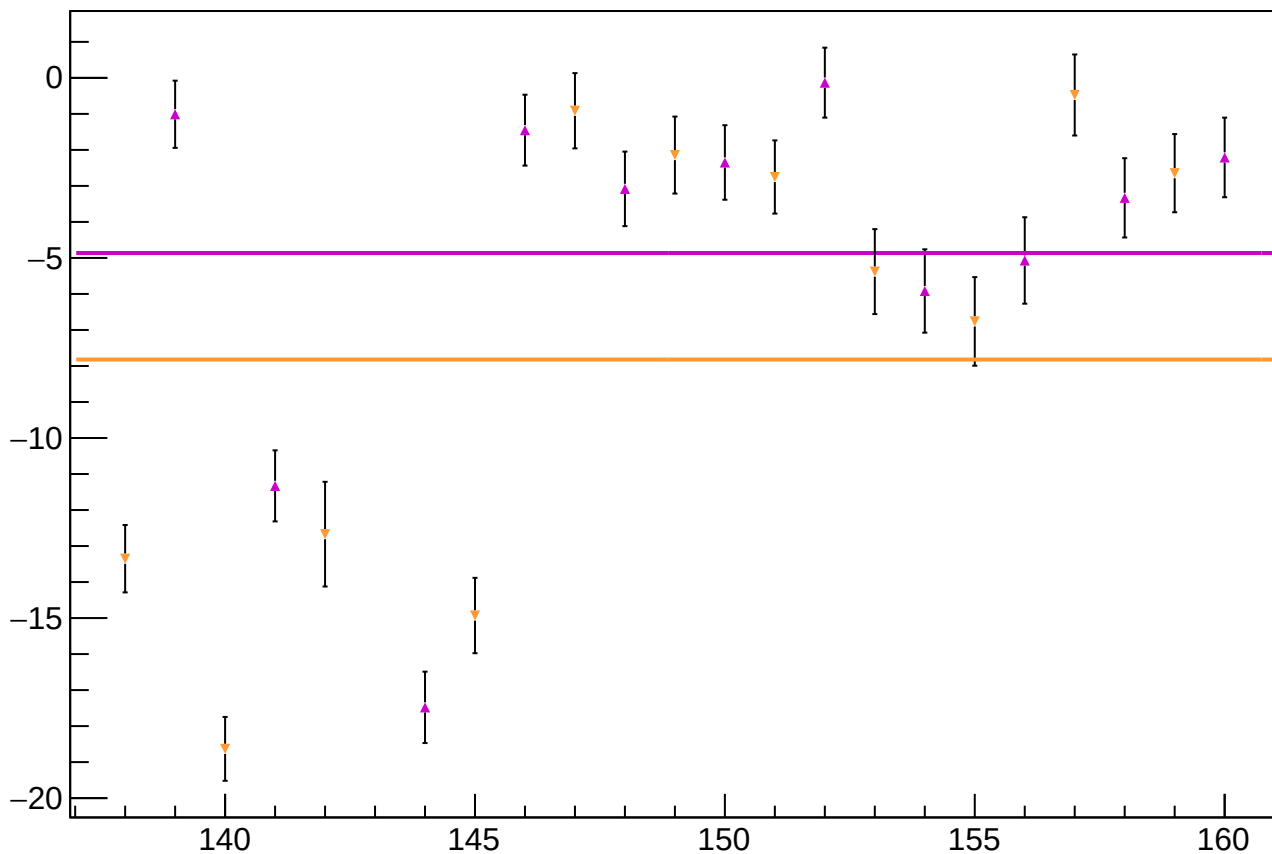
Right: -40.834 ± 0.020 χ^2/NDF : 88360.5/33

In: -41.104 ± 0.016 χ^2/NDF : 116733.5/26

Out: -42.078 ± 0.017 χ^2/NDF : 167654.7/28

All: -41.571 ± 0.012 χ^2/NDF : 286137.4/55

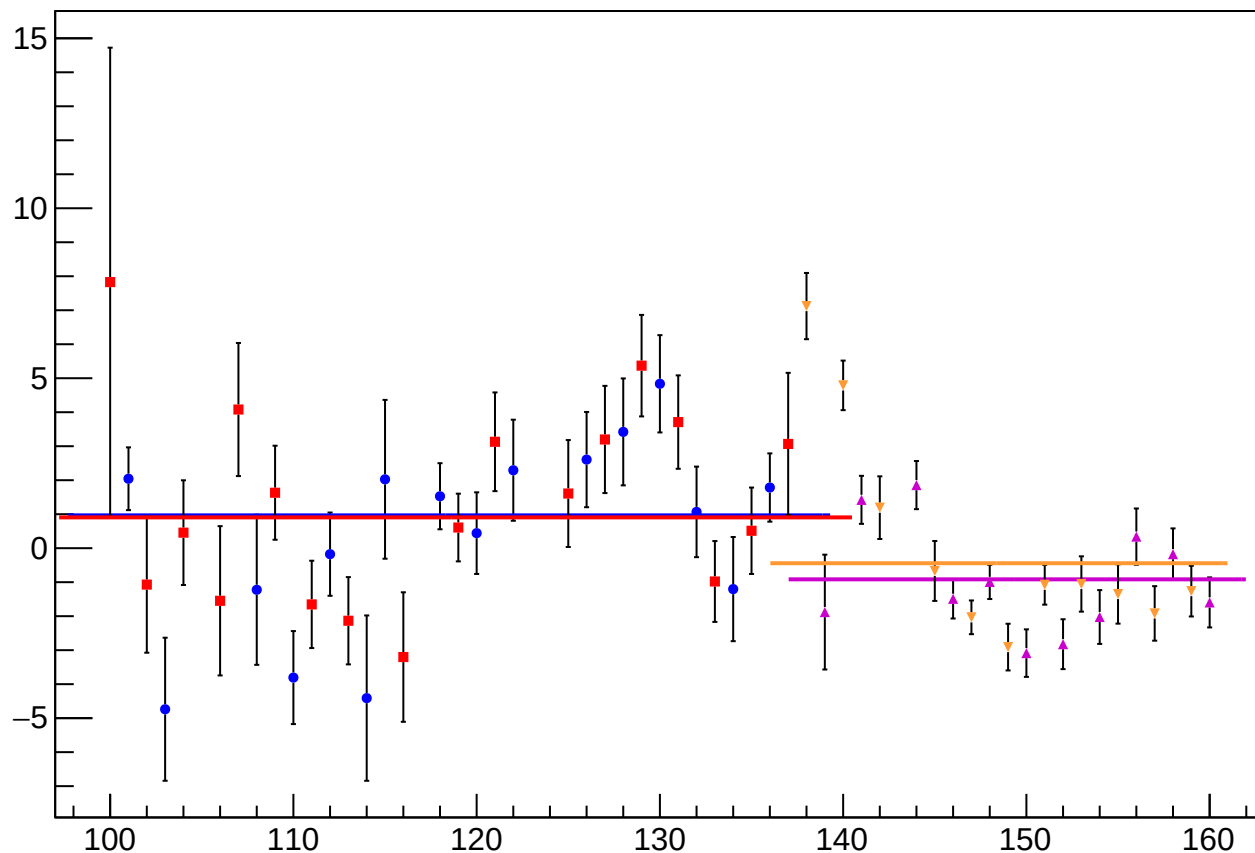
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.821+/-0.323 χ^2/NDF : 408.0/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.863+/-0.312 χ^2/NDF : 275.2/10

Left: -6.293+/-0.225 χ^2/NDF : 726.6/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.863+/-0.312 χ^2/NDF : 275.2/10
 Out: -7.821+/-0.323 χ^2/NDF : 408.0/10
 All: -6.293+/-0.225 χ^2/NDF : 726.6/21

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.965 ± 0.338 χ^2/NDF : 42.9/15

Left Out: -0.442 ± 0.220 χ^2/NDF : 145.6/10

Right Out: 0.906 ± 0.354 χ^2/NDF : 42.0/17

Left In: -0.917 ± 0.214 χ^2/NDF : 50.1/10

Left: -0.686 ± 0.153 χ^2/NDF : 198.1/21

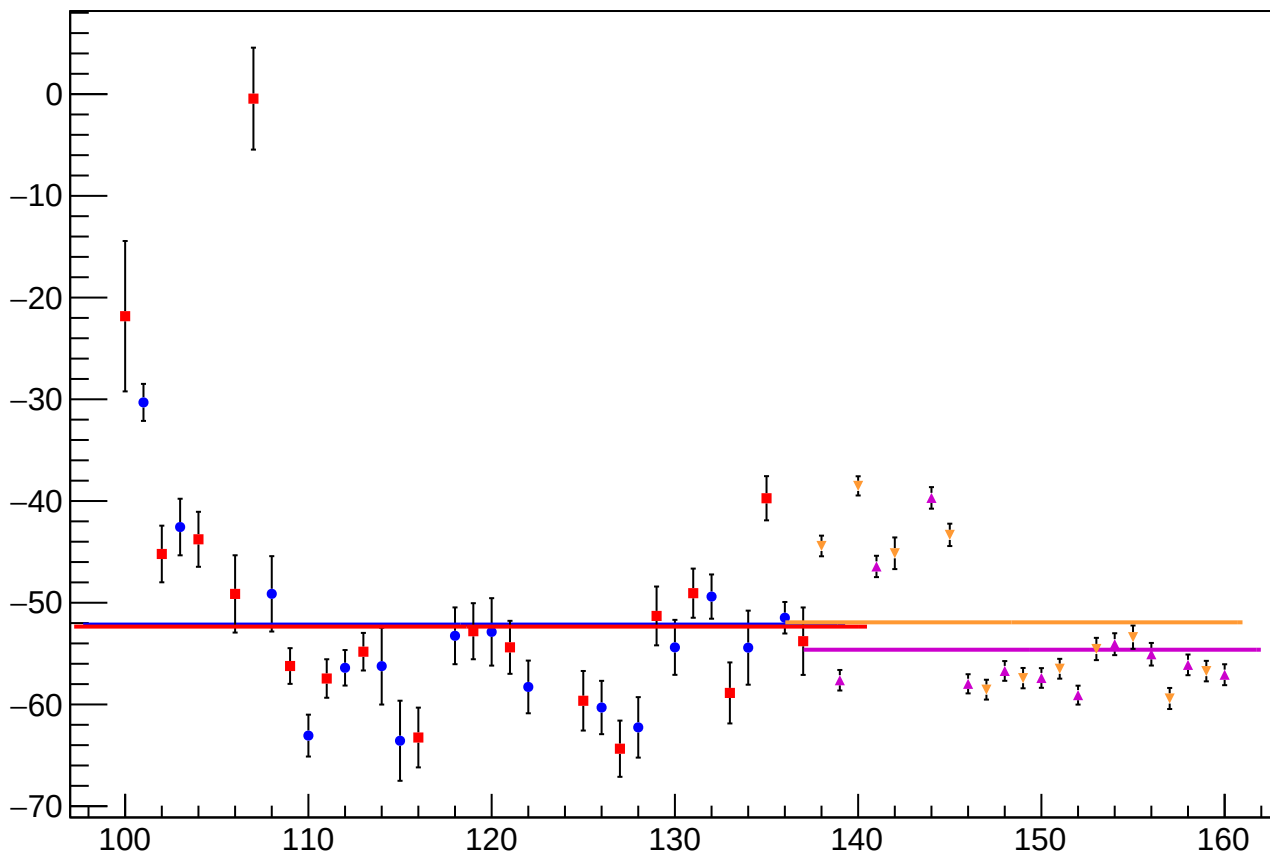
Right: 0.937 ± 0.244 χ^2/NDF : 84.9/33

In: -0.378 ± 0.181 χ^2/NDF : 115.1/26

Out: -0.066 ± 0.187 χ^2/NDF : 198.1/28

All: -0.227 ± 0.130 χ^2/NDF : 314.7/55

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.148 ± 0.612 χ^2/NDF : 230.2/15

Left Out: -51.926 ± 0.317 χ^2/NDF : 517.1/10

Right Out: -52.346 ± 0.616 χ^2/NDF : 235.7/17

Left In: -54.619 ± 0.305 χ^2/NDF : 324.8/10

Left: -53.327 ± 0.220 χ^2/NDF : 879.4/21

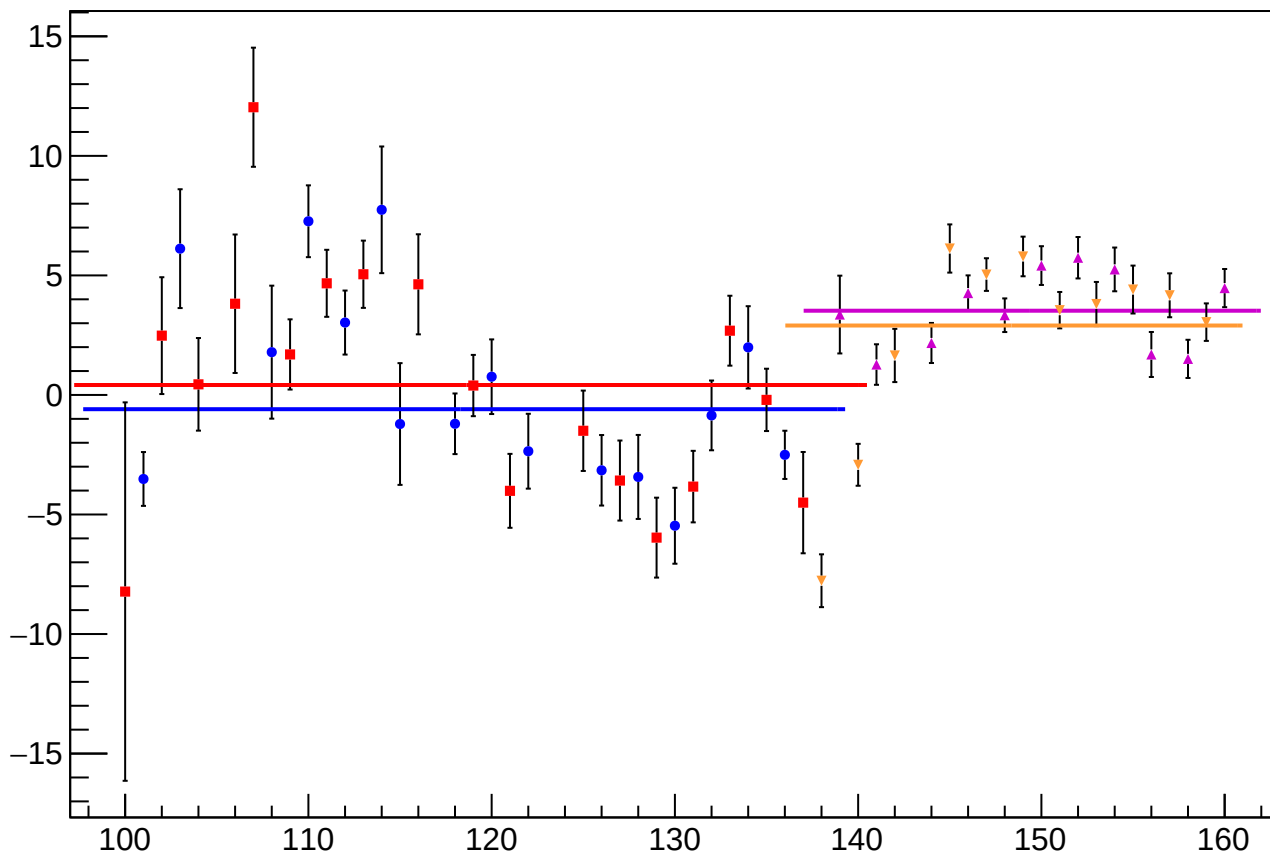
Right: -52.246 ± 0.434 χ^2/NDF : 466.0/33

In: -54.128 ± 0.273 χ^2/NDF : 568.1/26

Out: -52.014 ± 0.282 χ^2/NDF : 753.2/28

All: -53.107 ± 0.196 χ^2/NDF : 1350.3/55

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.596 ± 0.384 χ^2/NDF : 82.6/15

Left Out: 2.904 ± 0.265 χ^2/NDF : 176.7/10

Right Out: 0.416 ± 0.400 χ^2/NDF : 95.8/17

Left In: 3.523 ± 0.255 χ^2/NDF : 37.8/10

Left: 3.225 ± 0.184 χ^2/NDF : 217.3/21

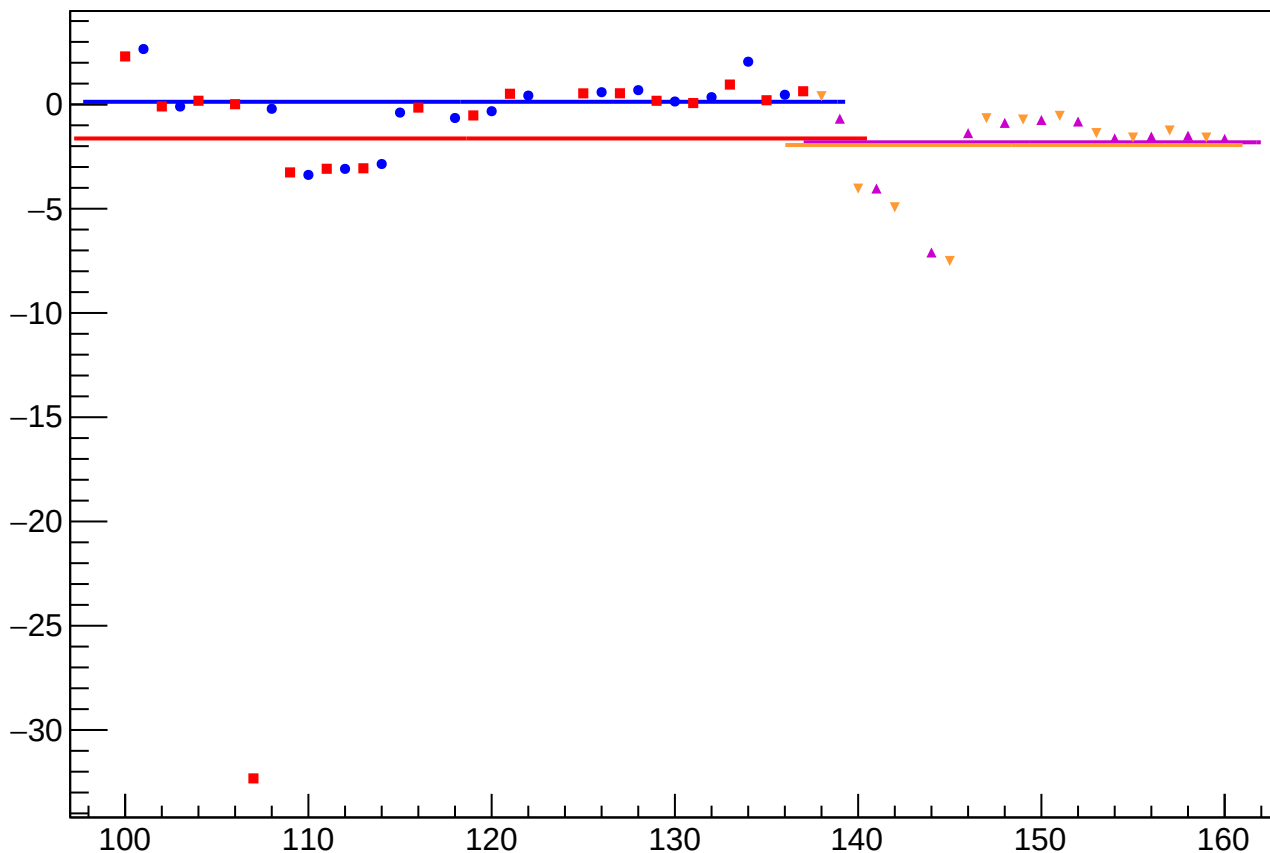
Right: -0.111 ± 0.277 χ^2/NDF : 181.7/33

In: 2.260 ± 0.213 χ^2/NDF : 200.2/26

Out: 2.144 ± 0.221 χ^2/NDF : 299.4/28

All: 2.204 ± 0.153 χ^2/NDF : 499.8/55

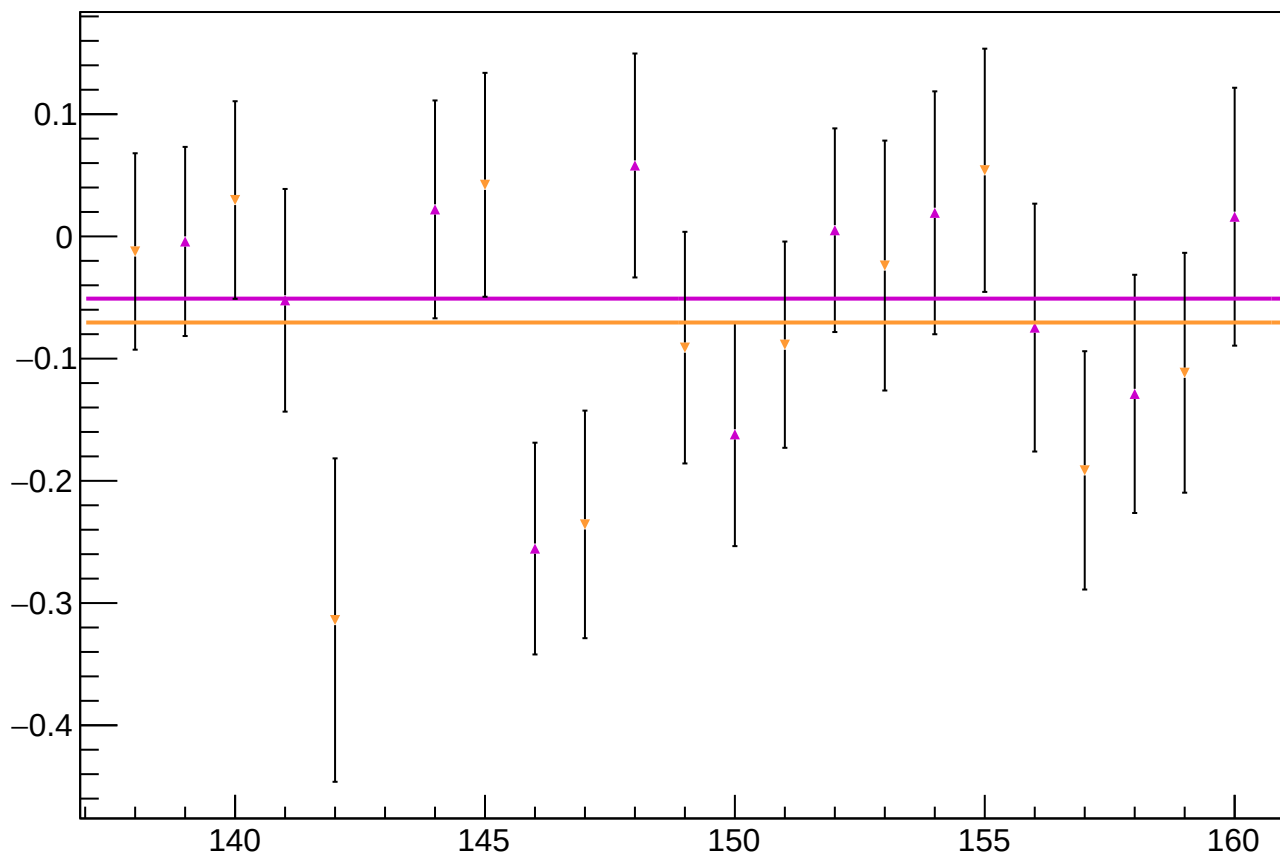
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.128 ± 0.021 $\chi^2/\text{NDF}: 5252.9/15$
 Left Out: -1.946 ± 0.012 $\chi^2/\text{NDF}: 28421.6/10$
 Right Out: -1.631 ± 0.022 $\chi^2/\text{NDF}: 77878.6/17$
 Left In: -1.815 ± 0.012 $\chi^2/\text{NDF}: 18937.3/10$

Left: -1.877 ± 0.009 $\chi^2/\text{NDF}: 47417.3/21$
 Right: -0.739 ± 0.015 $\chi^2/\text{NDF}: 86433.1/33$
 In: -1.363 ± 0.010 $\chi^2/\text{NDF}: 30459.8/26$
 Out: -1.869 ± 0.011 $\chi^2/\text{NDF}: 106457.8/28$
 All: -1.606 ± 0.007 $\chi^2/\text{NDF}: 138061.0/55$

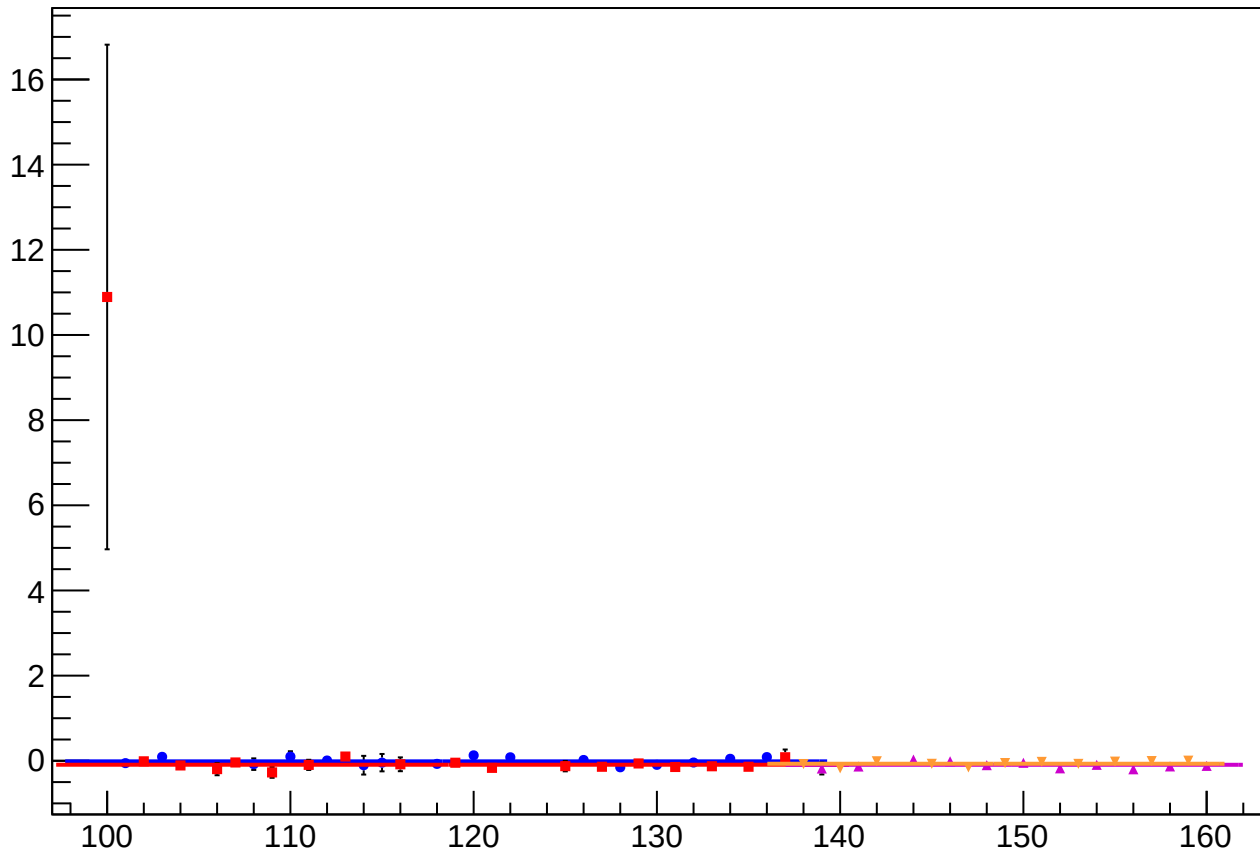
reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.070 $\pm$ 0.028 χ^2 /NDF:13.7/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.051 $\pm$ 0.027 χ^2 /NDF:11.5/10

Left: -0.060 $\pm$ 0.020 χ^2 /NDF: 25.5/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.051 $\pm$ 0.027 χ^2 /NDF:11.5/10
 Out: -0.070 $\pm$ 0.028 χ^2 /NDF:13.7/10
 All: -0.060 $\pm$ 0.020 χ^2 /NDF: 25.5/21

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 12.2/15

Left Out: -0.069 ± 0.019 χ^2/NDF : 10.2/10

Right Out: -0.092 ± 0.025 χ^2/NDF : 12.7/17

Left In: -0.094 ± 0.019 χ^2/NDF : 12.1/10

Left: -0.082 ± 0.014 χ^2/NDF : 23.1/21

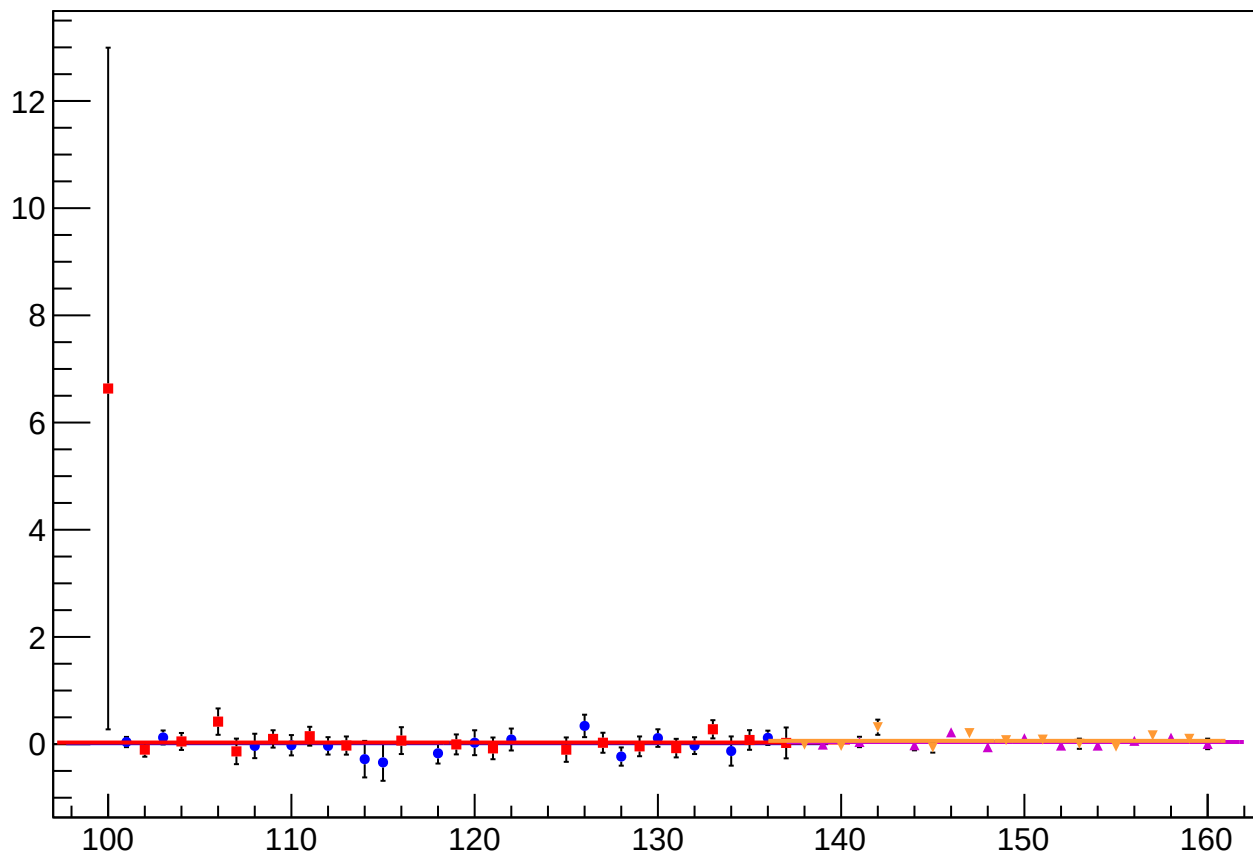
Right: -0.050 ± 0.017 χ^2/NDF : 30.3/33

In: -0.061 ± 0.015 χ^2/NDF : 31.5/26

Out: -0.078 ± 0.015 χ^2/NDF : 23.4/28

All: -0.069 ± 0.011 χ^2/NDF : 55.6/55

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.043 χ^2/NDF : 9.6/15

Left Out: 0.061+/-0.028 χ^2/NDF :12.7/10

Right Out: 0.030+/-0.045 χ^2/NDF : 9.2/17

Left In: 0.040+/-0.027 χ^2/NDF :9.6/10

Left: 0.050+/-0.019 χ^2/NDF : 22.6/21

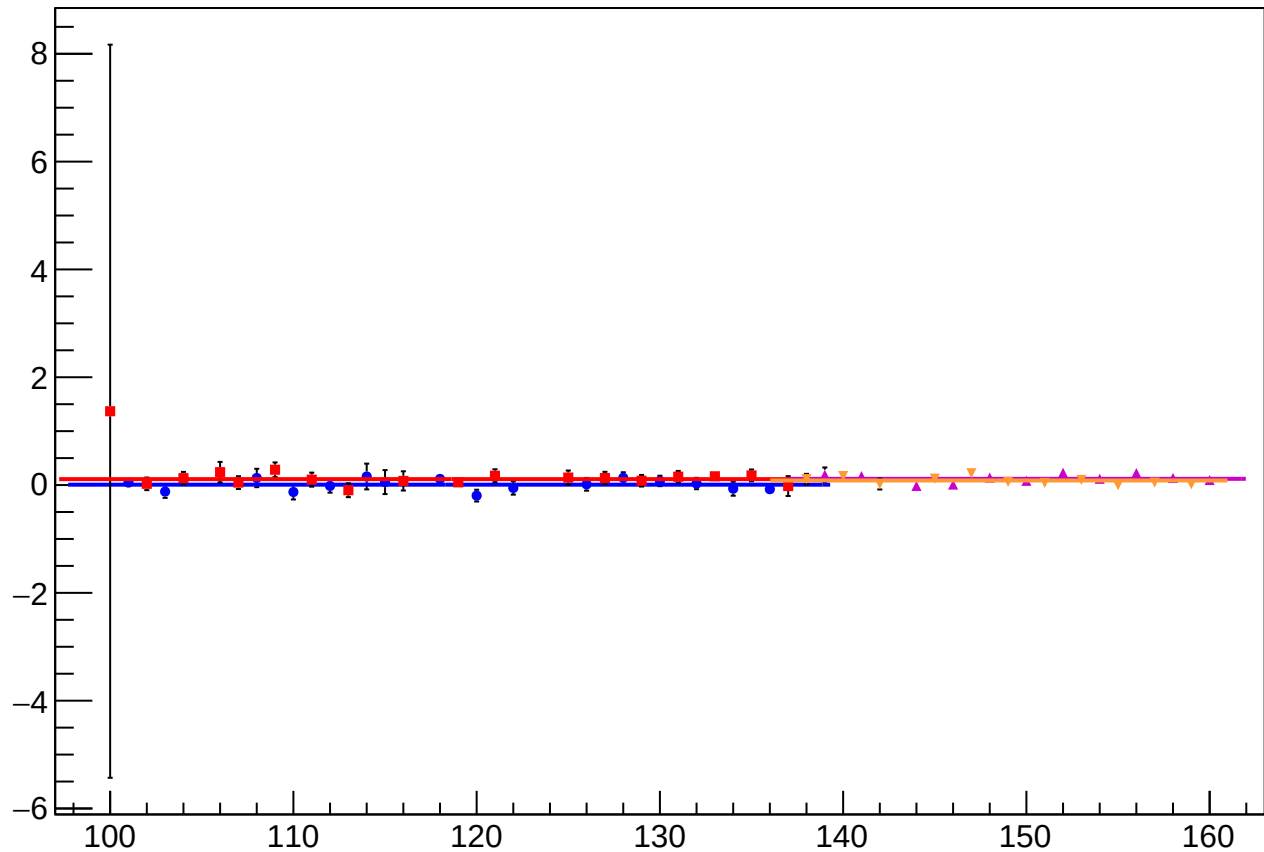
Right: 0.023+/-0.031 χ^2/NDF : 18.9/33

In: 0.033+/-0.023 χ^2/NDF :19.5/26

Out: 0.053+/-0.024 χ^2/NDF :22.3/28

All: 0.043+/-0.016 χ^2/NDF : 42.1/55

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007+/-0.027 χ^2/NDF : 12.1/15

Left Out: 0.085+/-0.023 χ^2/NDF : 9.6/10

Right Out: 0.110+/-0.029 χ^2/NDF : 8.0/17

Left In: 0.116+/-0.023 χ^2/NDF : 11.0/10

Left: 0.101+/-0.016 χ^2/NDF : 21.5/21

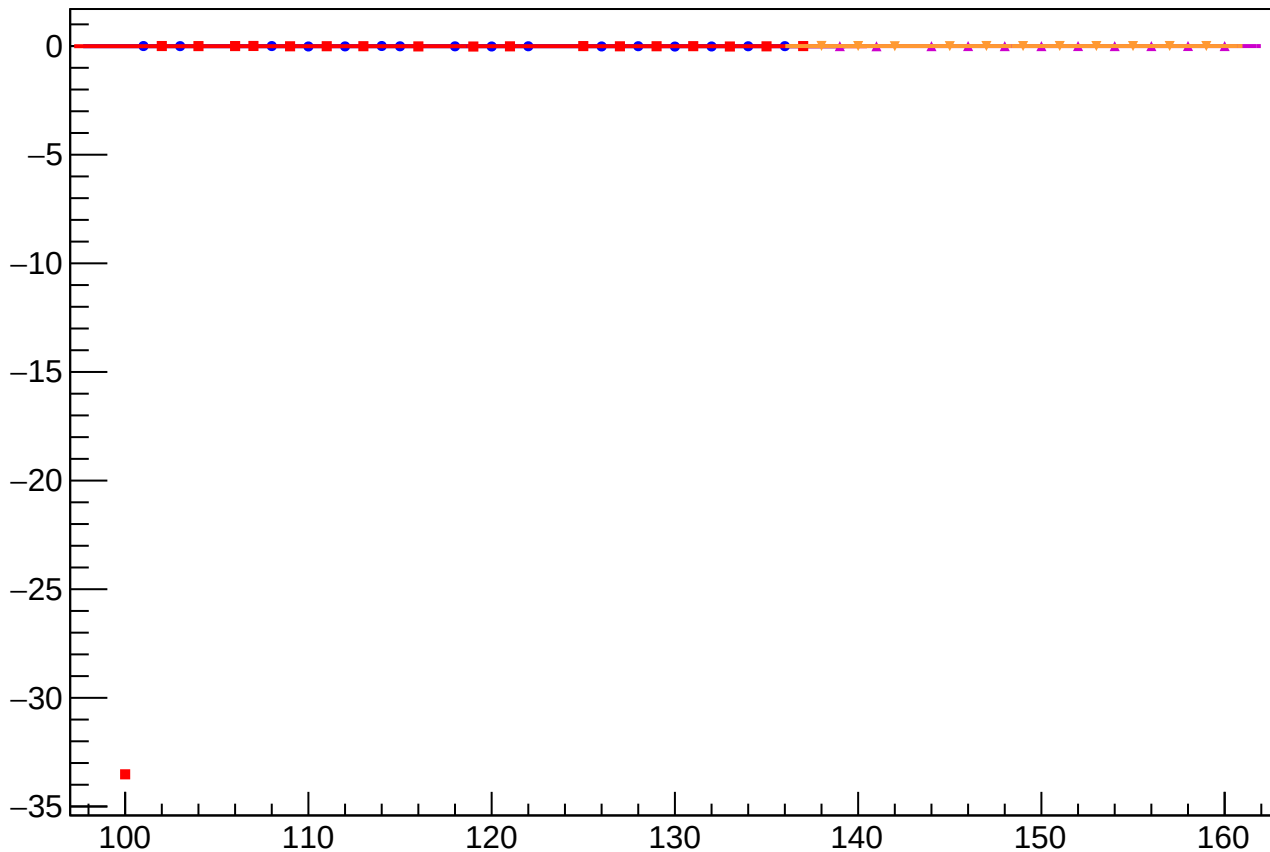
Right: 0.055+/-0.020 χ^2/NDF : 27.0/33

In: 0.070+/-0.017 χ^2/NDF : 32.7/26

Out: 0.095+/-0.018 χ^2/NDF : 18.0/28

All: 0.082+/-0.012 χ^2/NDF : 51.6/55

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 22.6/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 7.1/10

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.9/17

Left In: 0.000 ± 0.001 χ^2/NDF : 7.4/10

Left: 0.001 ± 0.001 χ^2/NDF : 14.8/21

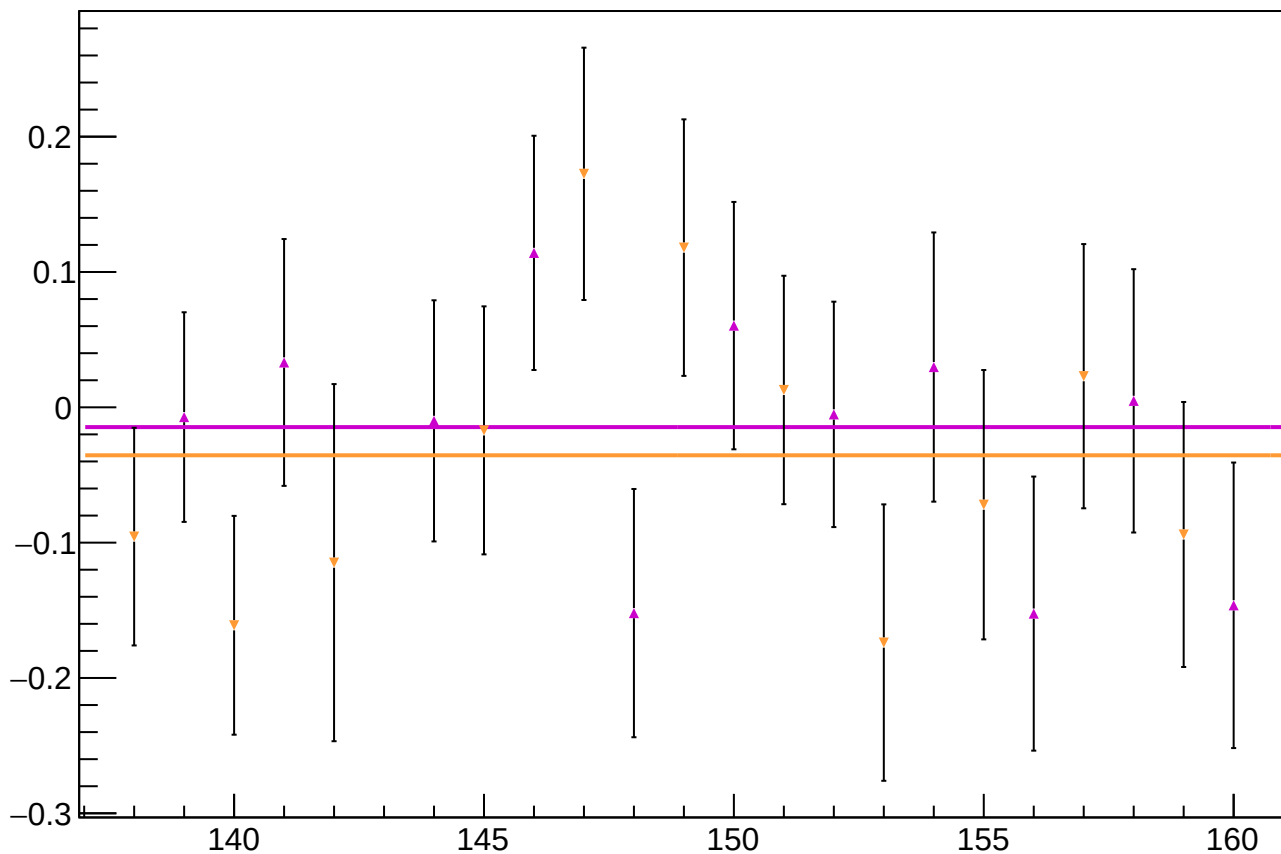
Right: -0.006 ± 0.001 χ^2/NDF : 26531.6/33

In: -0.002 ± 0.001 χ^2/NDF : 39.9/26

Out: -0.001 ± 0.001 χ^2/NDF : 26530.6/28

All: -0.002 ± 0.001 χ^2/NDF : 26570.6/55

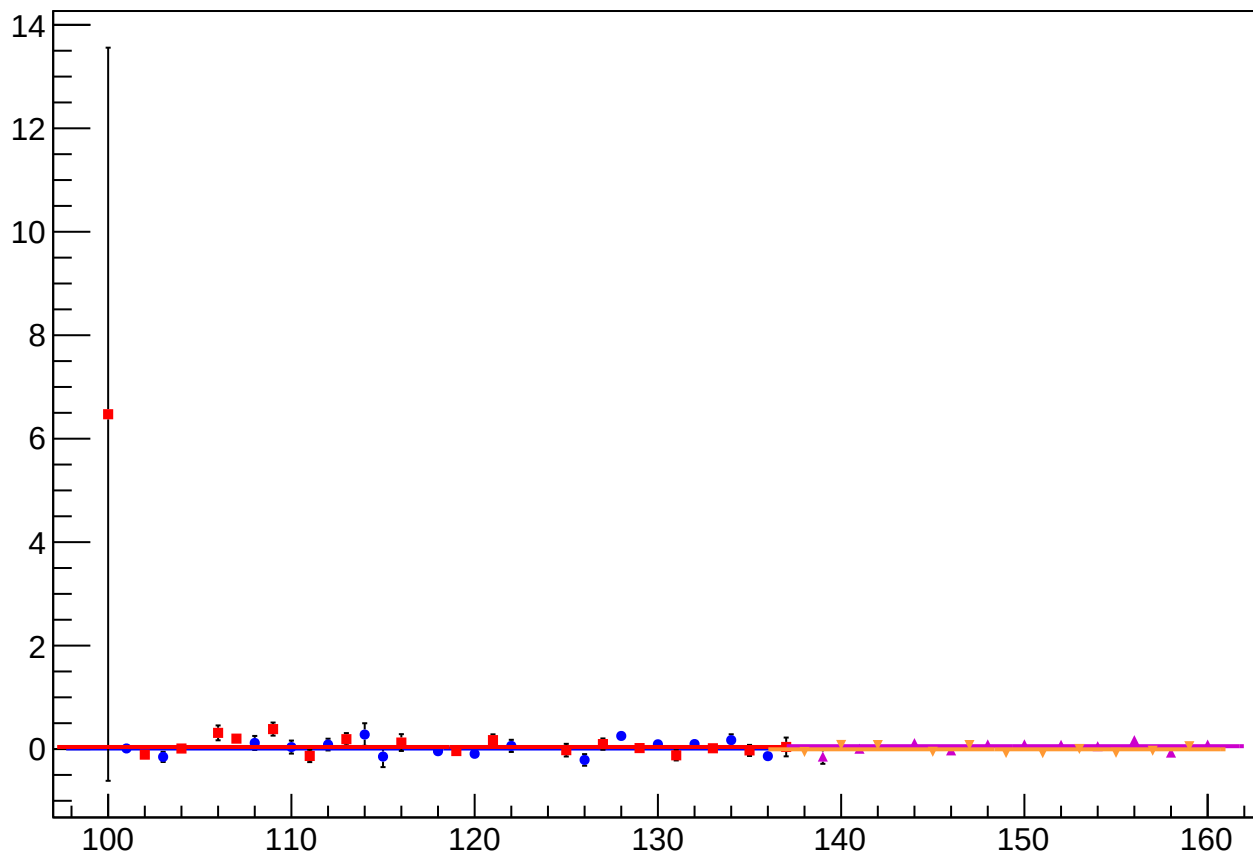
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.035 $\pm$ 0.028 χ^2 /NDF:14.0/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.015 $\pm$ 0.027 χ^2 /NDF:9.1/10

Left: -0.025 $\pm$ 0.020 χ^2 /NDF: 23.3/21
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.015 $\pm$ 0.027 χ^2 /NDF:9.1/10
 Out: -0.035 $\pm$ 0.028 χ^2 /NDF:14.0/10
 All: -0.025 $\pm$ 0.020 χ^2 /NDF: 23.3/21

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2 /NDF: 25.4/15

Left Out: -0.005 $\pm$ 0.019 χ^2 /NDF:12.5/10

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 27.9/17

Left In: 0.055 $\pm$ 0.019 χ^2 /NDF:13.5/10

Left: 0.026 $\pm$ 0.014 χ^2 /NDF: 30.9/21

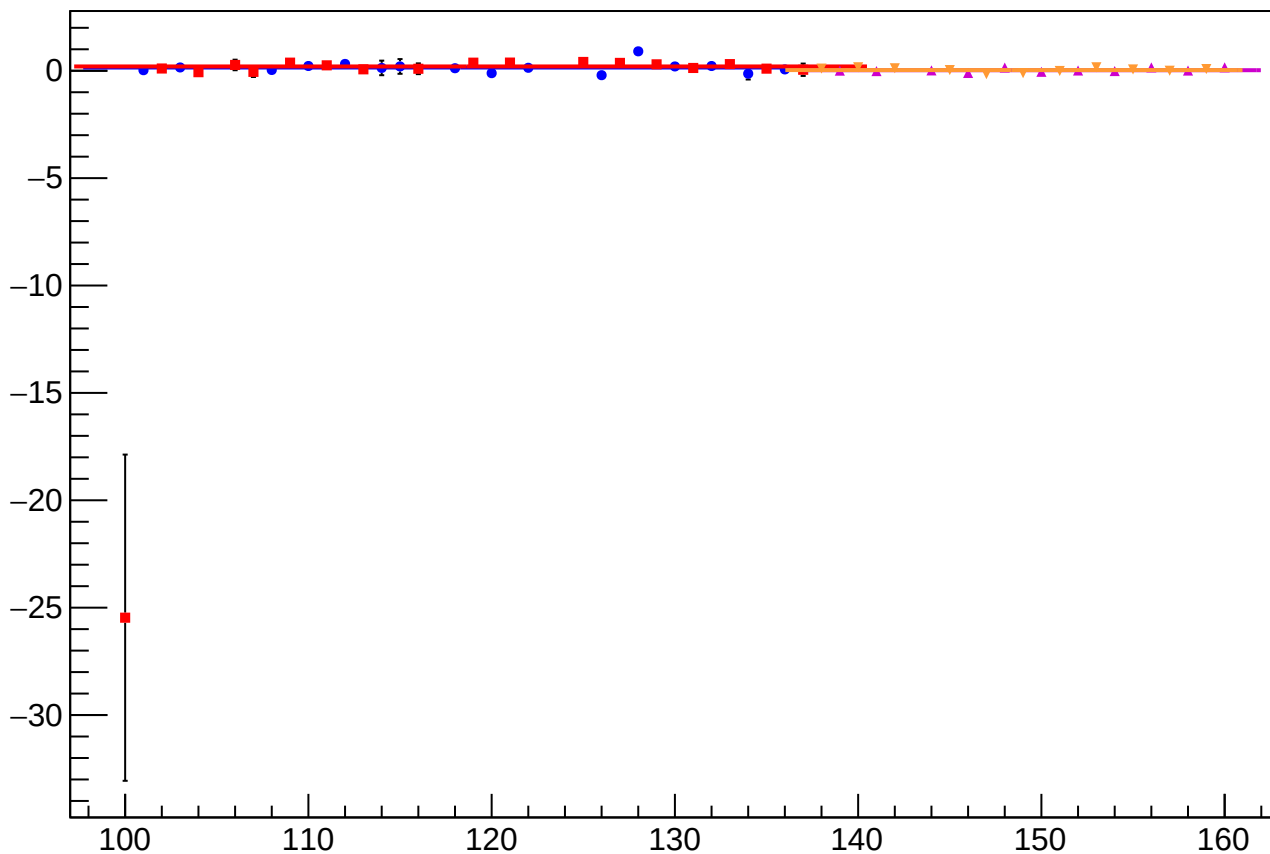
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 54.1/33

In: 0.037 $\pm$ 0.015 χ^2 /NDF:41.2/26

Out: 0.012 $\pm$ 0.015 χ^2 /NDF:42.4/28

All: 0.025 $\pm$ 0.011 χ^2 /NDF: 85.0/55

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152+/-0.043 χ^2/NDF : 28.7/15

Left Out: 0.032+/-0.028 χ^2/NDF :13.4/10

Right Out: 0.200+/-0.045 χ^2/NDF : 22.9/17

Left In: 0.026+/-0.027 χ^2/NDF :9.4/10

Left: 0.029+/-0.019 χ^2/NDF : 22.9/21

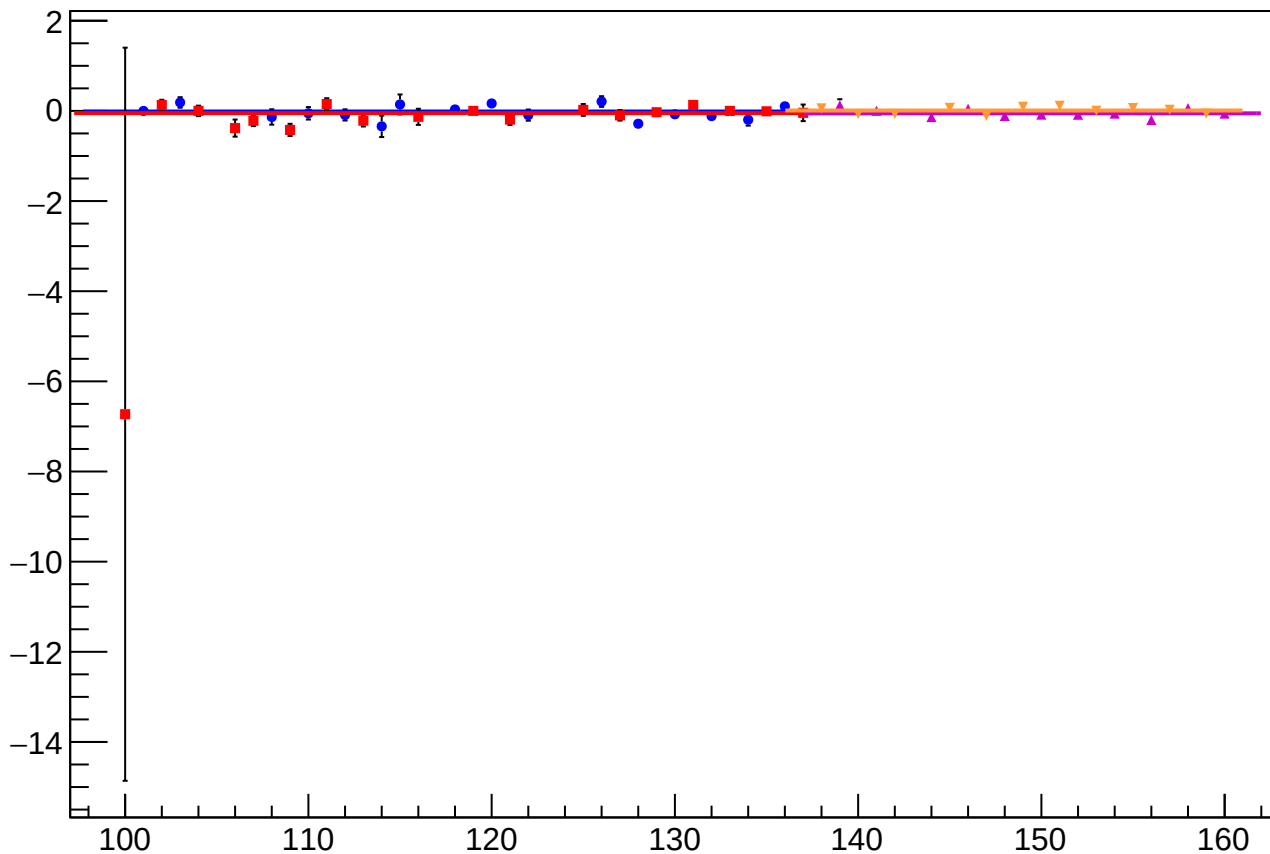
Right: 0.175+/-0.031 χ^2/NDF : 52.2/33

In: 0.061+/-0.023 χ^2/NDF :44.4/26

Out: 0.078+/-0.024 χ^2/NDF :46.5/28

All: 0.069+/-0.016 χ^2/NDF : 91.1/55

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 $\chi^2/\text{NDF}: 25.2/15$

Left Out: 0.009 ± 0.023 $\chi^2/\text{NDF}: 11.6/10$

Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 25.7/17$

Left In: -0.054 ± 0.023 $\chi^2/\text{NDF}: 13.3/10$

Left: -0.023 ± 0.016 $\chi^2/\text{NDF}: 28.6/21$

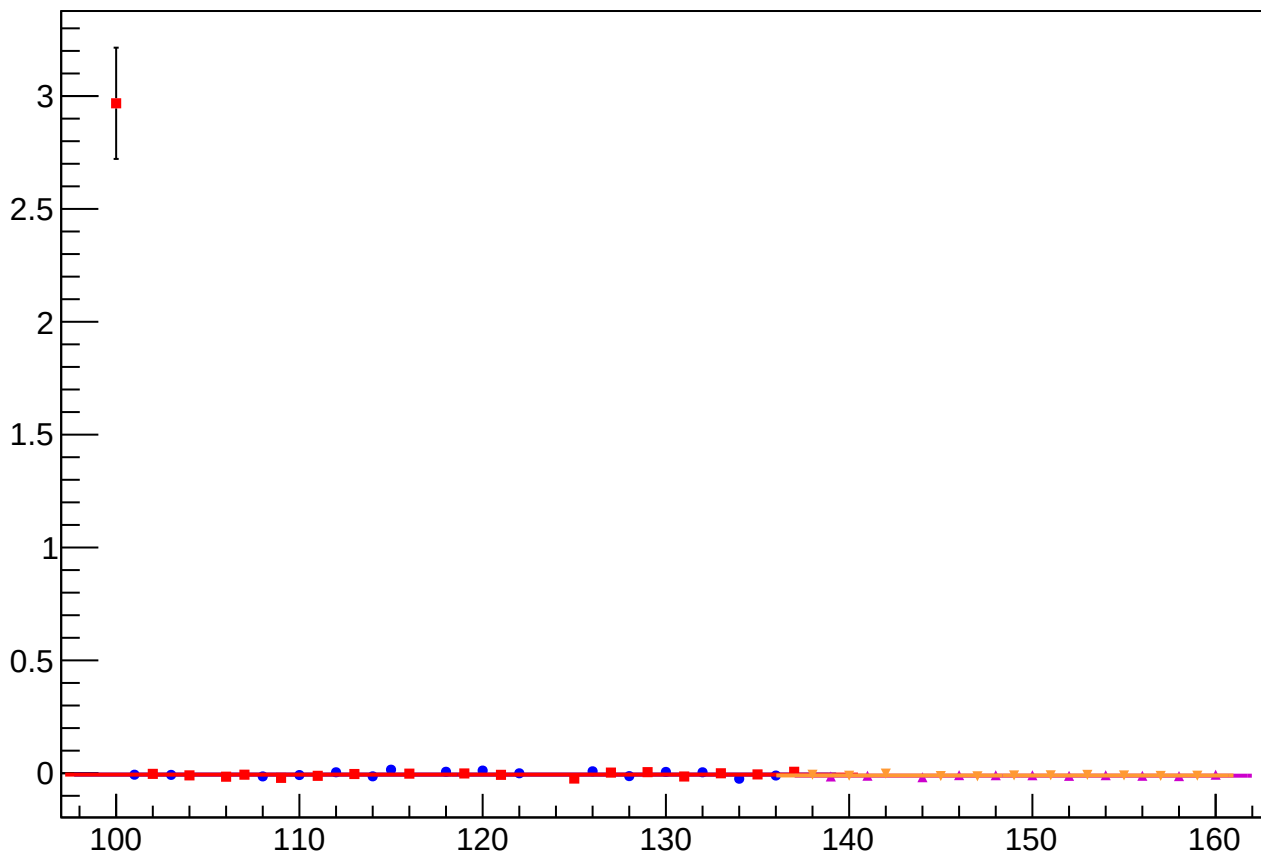
Right: -0.031 ± 0.020 $\chi^2/\text{NDF}: 51.8/33$

In: -0.037 ± 0.017 $\chi^2/\text{NDF}: 39.8/26$

Out: -0.014 ± 0.018 $\chi^2/\text{NDF}: 39.8/28$

All: -0.026 ± 0.012 $\chi^2/\text{NDF}: 80.4/55$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2 /NDF: 29.0/15

Left Out: -0.010+/-0.001 χ^2 /NDF:5.7/10

Right Out: -0.006+/-0.001 χ^2 /NDF: 165.9/17

Left In: -0.011+/-0.001 χ^2 /NDF:7.4/10

Left: -0.010+/-0.001 χ^2 /NDF: 13.5/21

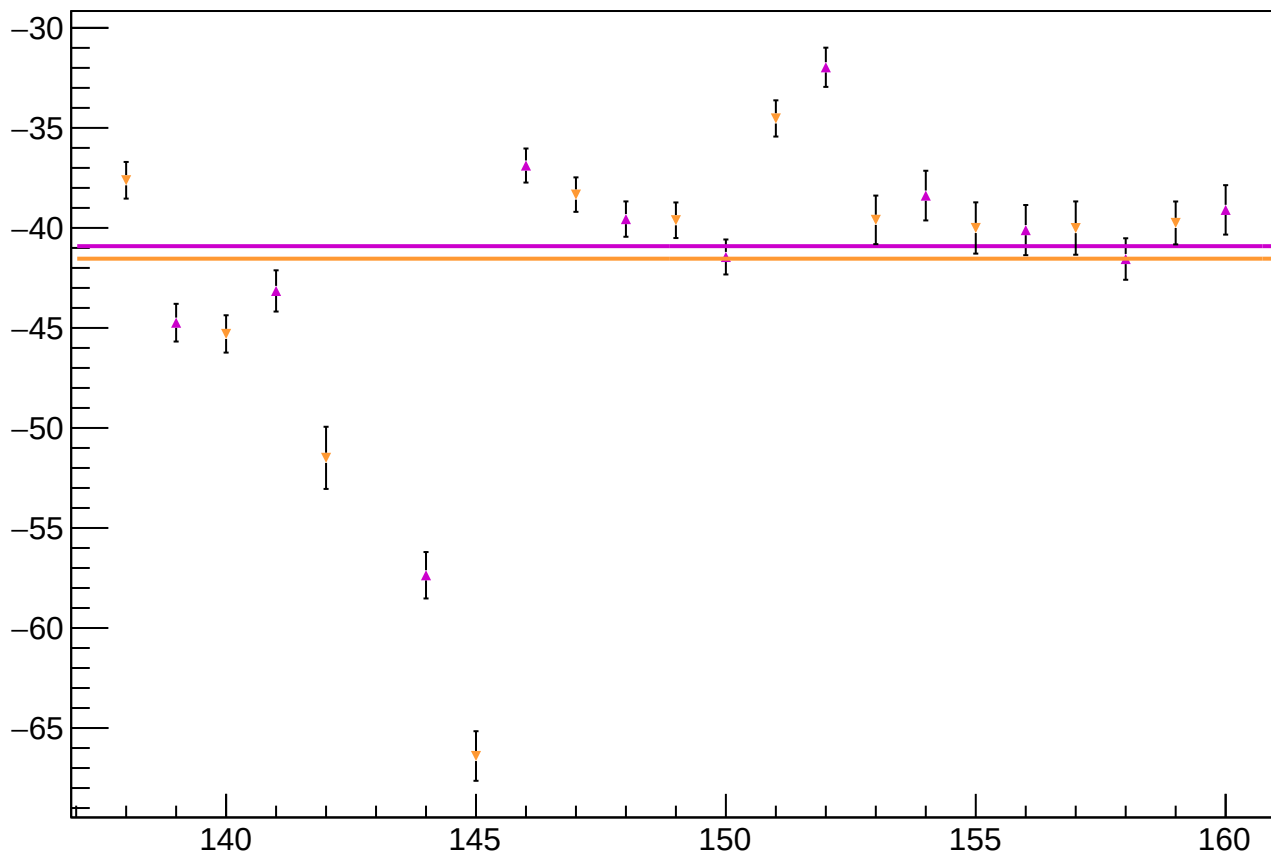
Right: -0.006+/-0.001 χ^2 /NDF: 194.8/33

In: -0.009+/-0.001 χ^2 /NDF:43.8/26

Out: -0.009+/-0.001 χ^2 /NDF:176.1/28

All: -0.009+/-0.001 χ^2 /NDF: 220.2/55

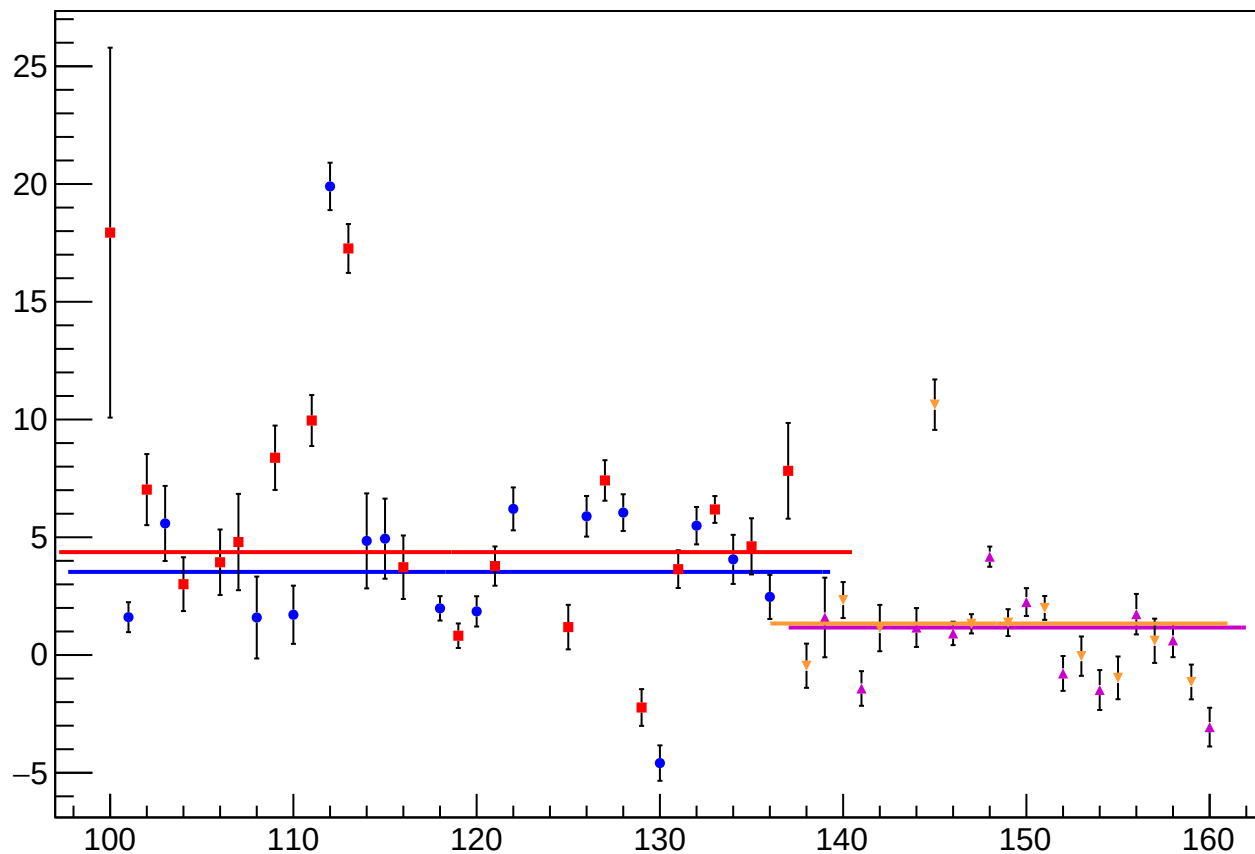
reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -41.538+/-0.317 χ^2/NDF :564.4/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -40.912+/-0.306 χ^2/NDF :337.6/10

Left: -41.214+/-0.220 χ^2/NDF : 904.0/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -40.912+/-0.306 χ^2/NDF :337.6/10
 Out: -41.538+/-0.317 χ^2/NDF :564.4/10
 All: -41.214+/-0.220 χ^2/NDF : 904.0/21

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.530 ± 0.217 $\chi^2/\text{NDF}: 446.6/15$

Left Out: 1.338 ± 0.207 $\chi^2/\text{NDF}: 103.5/10$

Right Out: 4.370 ± 0.225 $\chi^2/\text{NDF}: 353.8/17$

Left In: 1.167 ± 0.204 $\chi^2/\text{NDF}: 109.5/10$

Left: 1.251 ± 0.145 $\chi^2/\text{NDF}: 213.3/21$

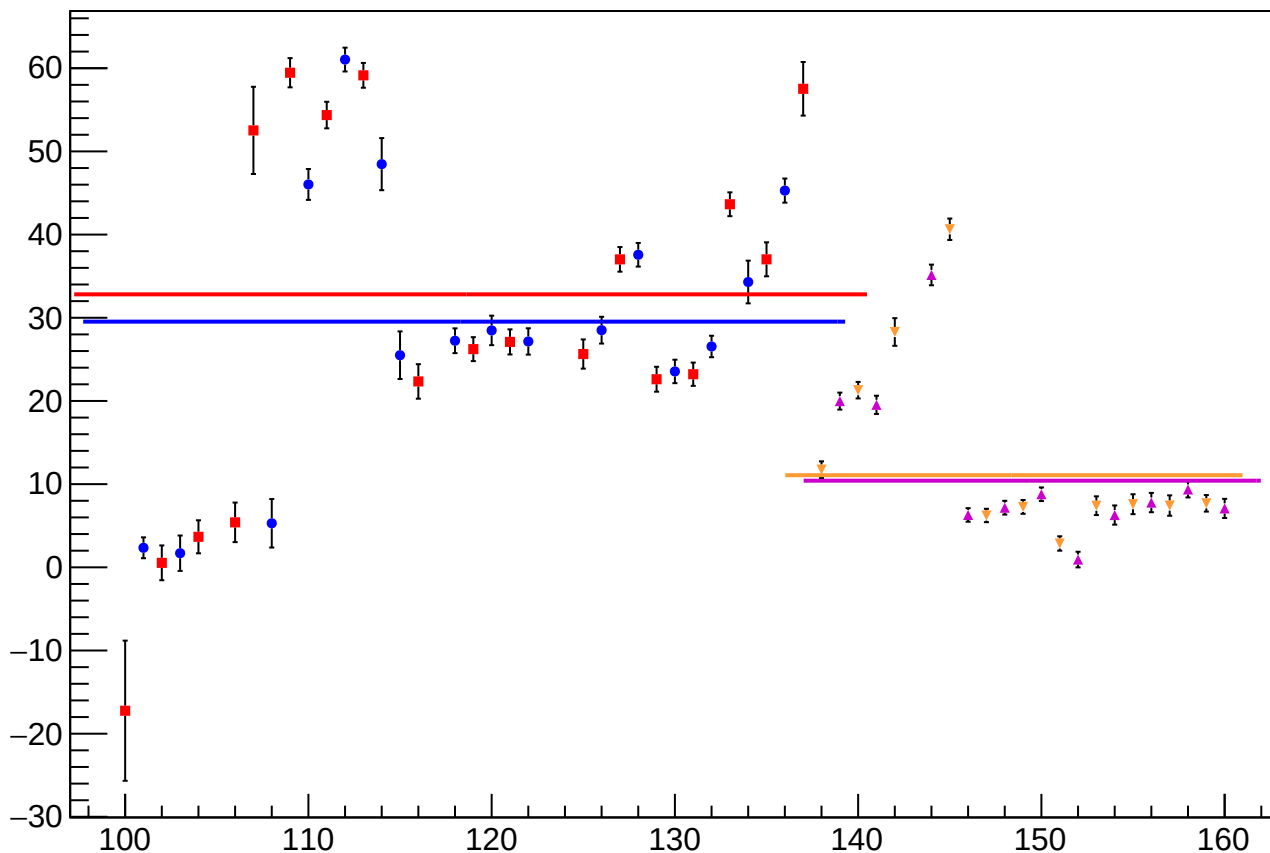
Right: 3.934 ± 0.156 $\chi^2/\text{NDF}: 807.6/33$

In: 2.274 ± 0.149 $\chi^2/\text{NDF}: 618.8/26$

Out: 2.726 ± 0.153 $\chi^2/\text{NDF}: 555.4/28$

All: 2.494 ± 0.106 $\chi^2/\text{NDF}: 1178.7/55$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.535 $\pm$ 0.417 χ^2 /NDF: 1494.9/15

Left Out: 11.075 $\pm$ 0.309 χ^2 /NDF:928.5/10

Right Out: 32.816 $\pm$ 0.423 χ^2 /NDF: 1659.3/17

Left In: 10.414 $\pm$ 0.296 χ^2 /NDF:728.8/10

Left: 10.731 $\pm$ 0.214 χ^2 /NDF: 1659.8/21

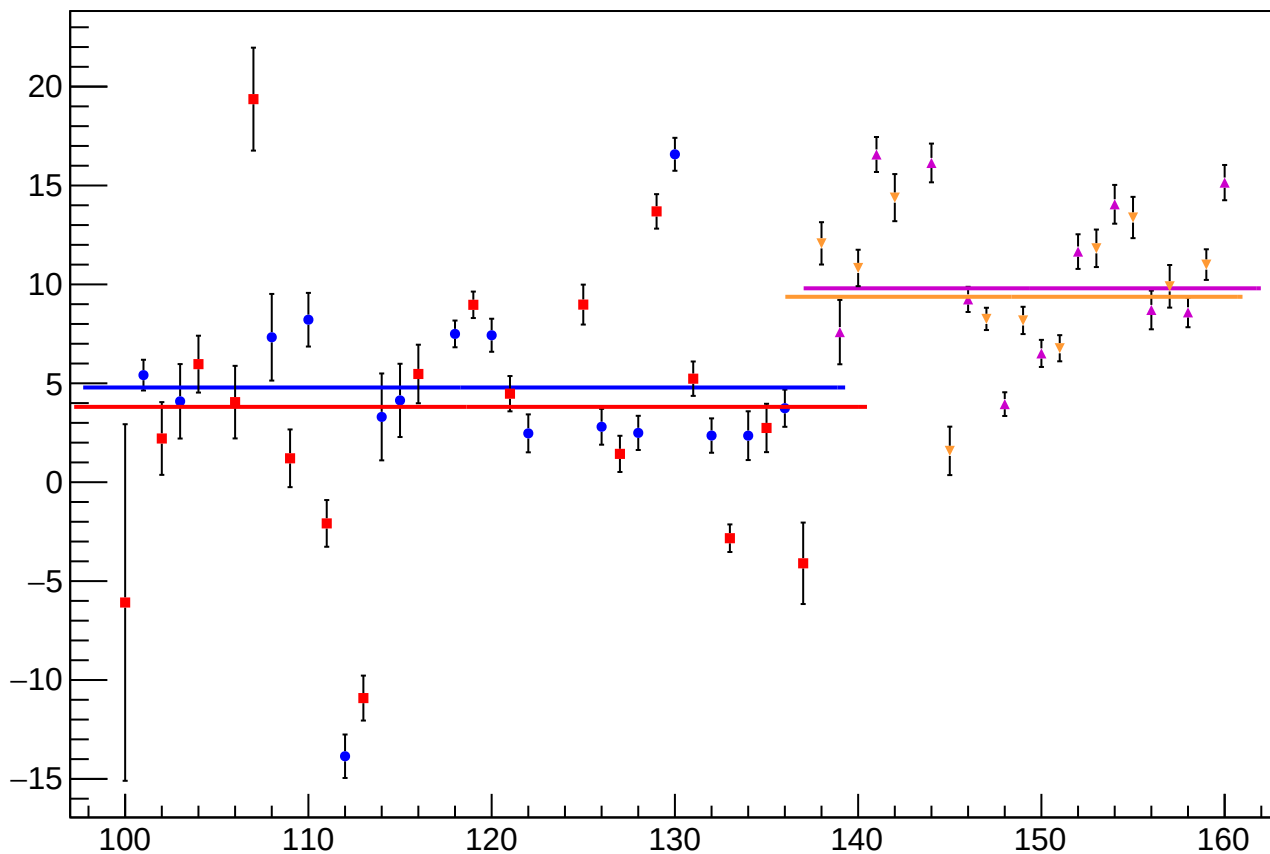
Right: 31.152 $\pm$ 0.297 χ^2 /NDF: 3184.7/33

In: 16.840 $\pm$ 0.242 χ^2 /NDF:3621.3/26

Out: 18.639 $\pm$ 0.249 χ^2 /NDF:4311.6/28

All: 17.711 $\pm$ 0.174 χ^2 /NDF: 7959.8/55

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.789 ± 0.251 χ^2/NDF : 553.9/15

Left Out: 9.374 ± 0.254 χ^2/NDF : 115.6/10

Right Out: 3.809 ± 0.259 χ^2/NDF : 567.6/17

Left In: 9.803 ± 0.246 χ^2/NDF : 284.5/10

Left: 9.595 ± 0.177 χ^2/NDF : 401.5/21

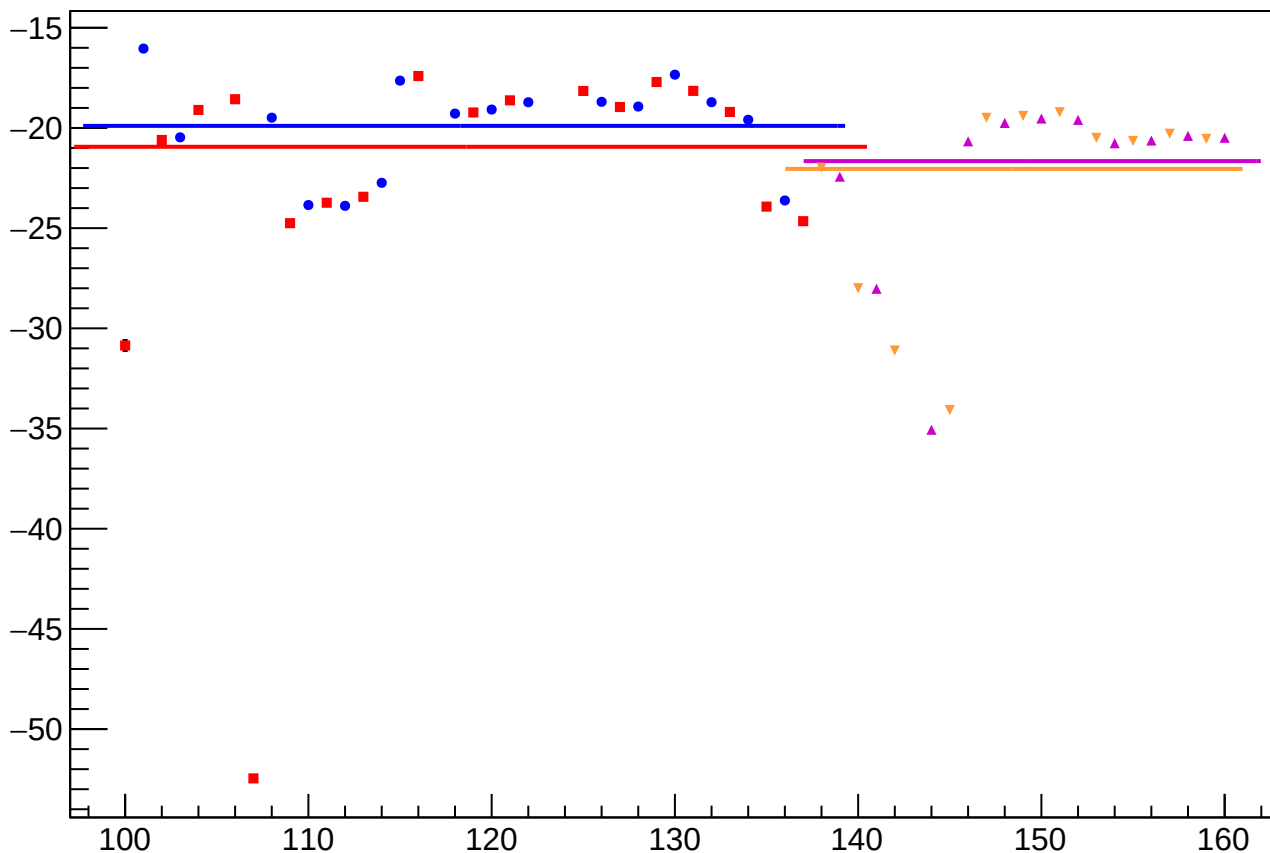
Right: 4.313 ± 0.180 χ^2/NDF : 1128.9/33

In: 7.346 ± 0.176 χ^2/NDF : 1041.6/26

Out: 6.647 ± 0.181 χ^2/NDF : 918.8/28

All: 7.007 ± 0.126 χ^2/NDF : 1968.1/55

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.895 ± 0.016 χ^2/NDF : 26073.6/15

Left Out: -22.042 ± 0.012 χ^2/NDF : 114910.2/10

Right Out: -20.938 ± 0.016 χ^2/NDF : 94065.2/17

Left In: -21.653 ± 0.012 χ^2/NDF : 95367.7/10

Left: -21.836 ± 0.008 χ^2/NDF : 210801.4/21

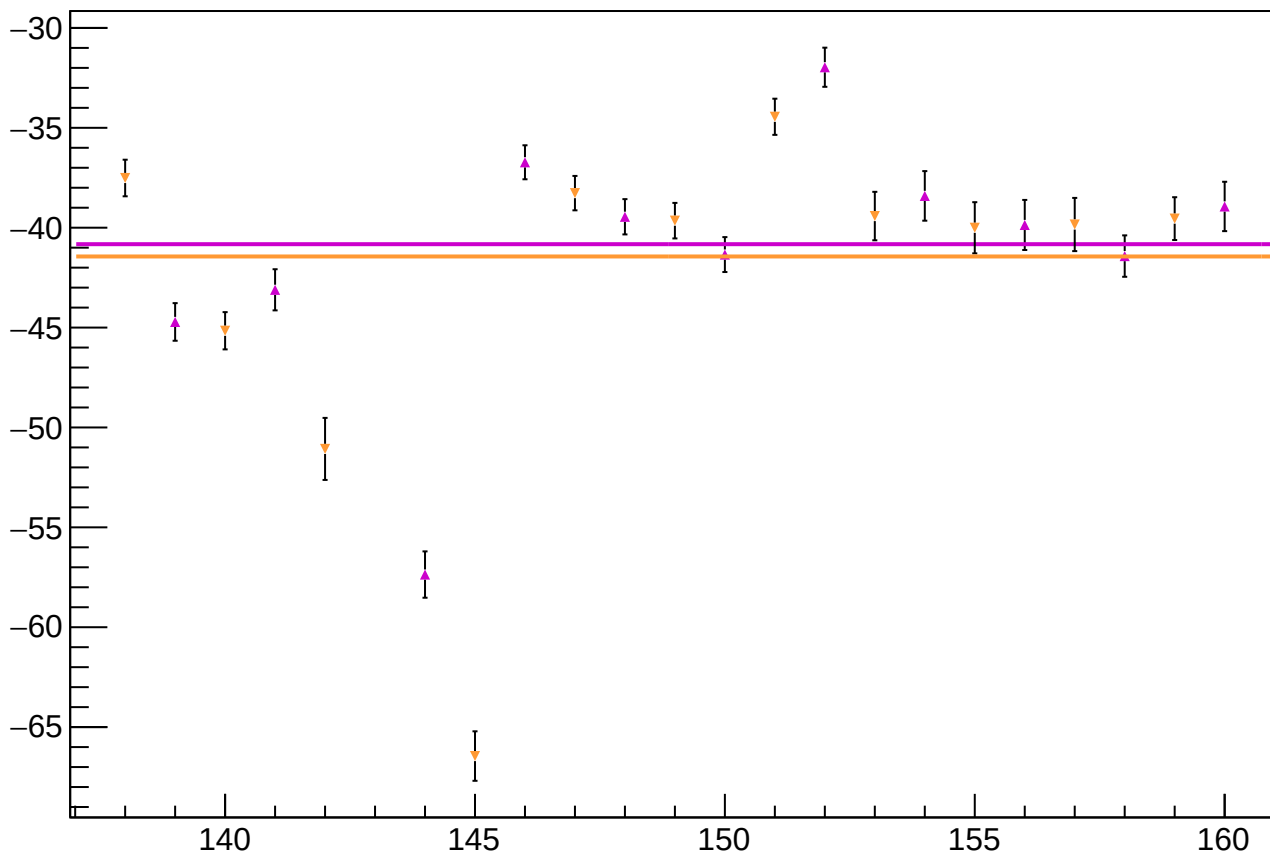
Right: -20.412 ± 0.011 χ^2/NDF : 122364.1/33

In: -21.022 ± 0.009 χ^2/NDF : 129612.6/26

Out: -21.620 ± 0.010 χ^2/NDF : 212022.6/28

All: -21.309 ± 0.007 χ^2/NDF : 343608.0/55

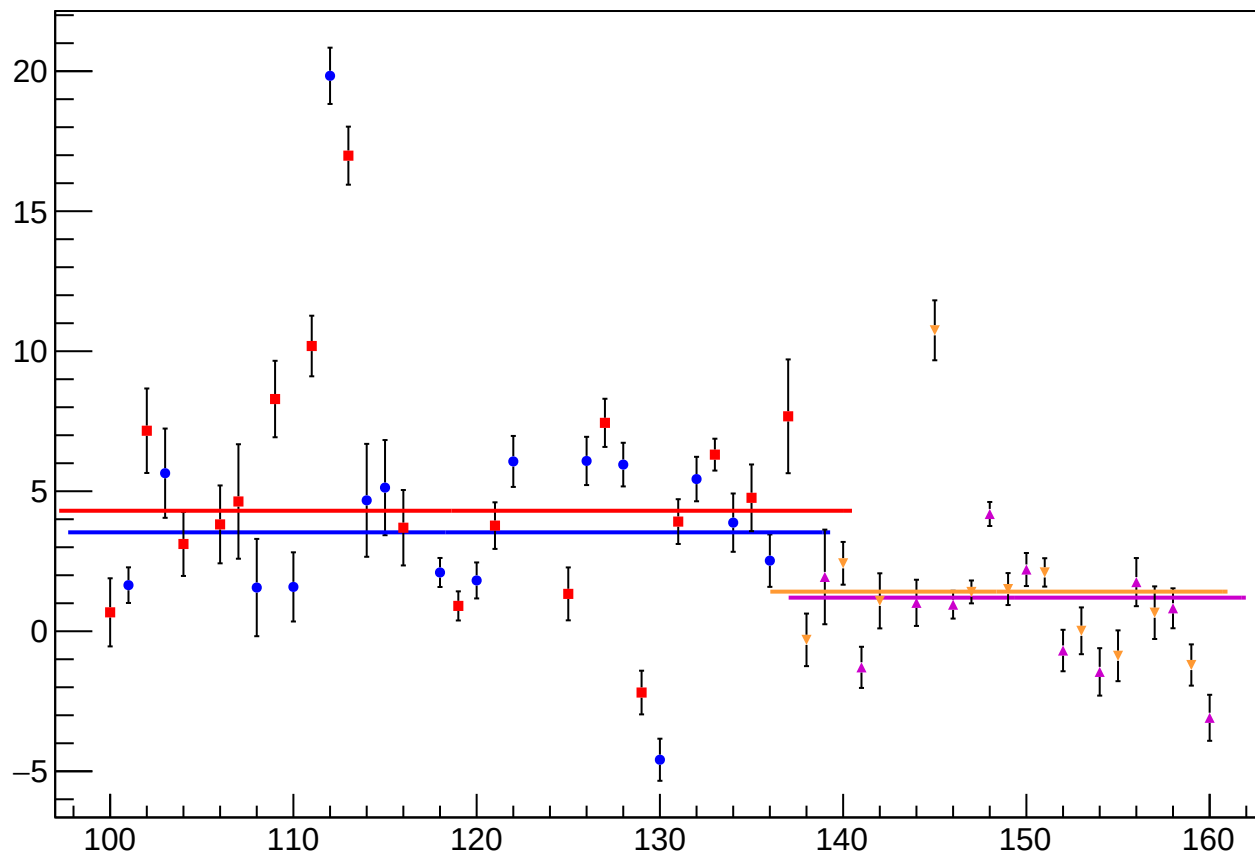
reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -41.441+/-0.317 χ^2/NDF :566.3/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -40.825+/-0.306 χ^2/NDF :340.1/10

Left: -41.122+/-0.220 χ^2/NDF : 908.4/21
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -40.825+/-0.306 χ^2/NDF :340.1/10
 Out: -41.441+/-0.317 χ^2/NDF :566.3/10
 All: -41.122+/-0.220 χ^2/NDF : 908.4/21

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.532 ± 0.217 $\chi^2/\text{NDF}: 443.2/15$

Left Out: 1.415 ± 0.207 $\chi^2/\text{NDF}: 105.6/10$

Right Out: 4.303 ± 0.222 $\chi^2/\text{NDF}: 352.8/17$

Left In: 1.200 ± 0.204 $\chi^2/\text{NDF}: 107.7/10$

Left: 1.306 ± 0.145 $\chi^2/\text{NDF}: 213.8/21$

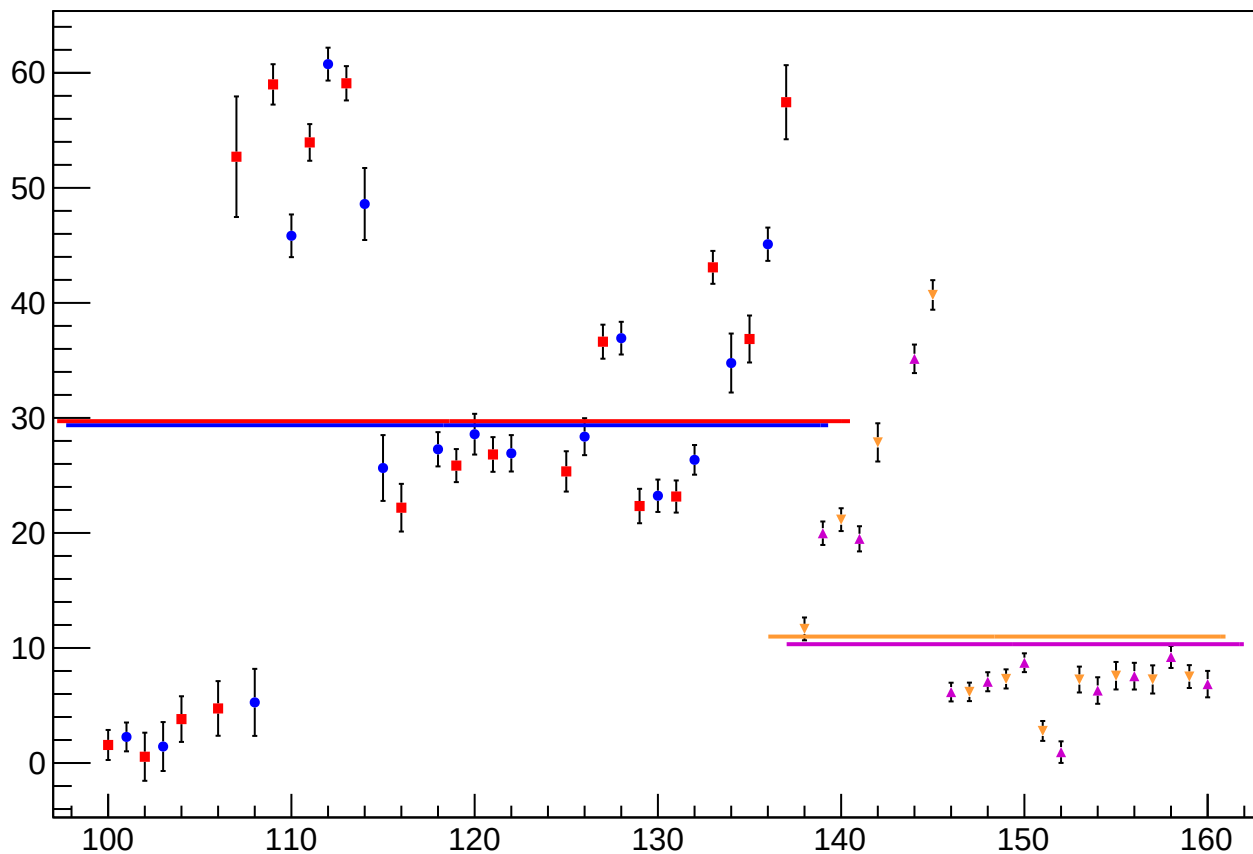
Right: 3.910 ± 0.155 $\chi^2/\text{NDF}: 802.2/33$

In: 2.293 ± 0.149 $\chi^2/\text{NDF}: 612.2/26$

Out: 2.761 ± 0.151 $\chi^2/\text{NDF}: 549.1/28$

All: 2.523 ± 0.106 $\chi^2/\text{NDF}: 1166.2/55$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.367 $\pm$ 0.416 χ^2 /NDF: 1488.7/15

Left Out: 10.992 $\pm$ 0.309 χ^2 /NDF:928.2/10

Right Out: 29.719 $\pm$ 0.402 χ^2 /NDF: 2129.5/17

Left In: 10.329 $\pm$ 0.296 χ^2 /NDF:733.6/10

Left: 10.647 $\pm$ 0.214 χ^2 /NDF: 1664.2/21

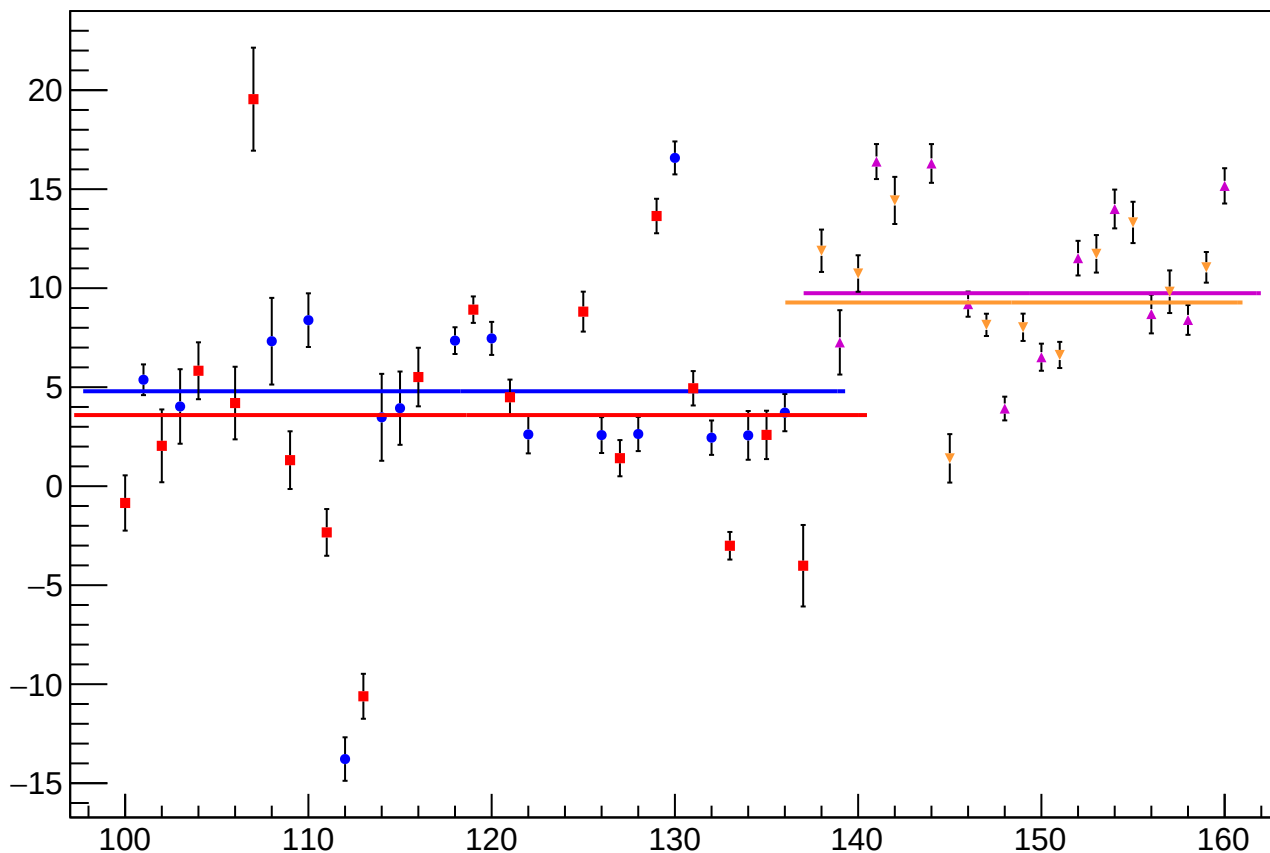
Right: 29.549 $\pm$ 0.289 χ^2 /NDF: 3618.6/33

In: 16.727 $\pm$ 0.241 χ^2 /NDF:3609.6/26

Out: 17.929 $\pm$ 0.245 χ^2 /NDF:4420.9/28

All: 17.319 $\pm$ 0.172 χ^2 /NDF: 8042.7/55

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.794 ± 0.251 χ^2/NDF : 550.0/15

Left Out: 9.277 ± 0.254 χ^2/NDF : 119.3/10

Right Out: 3.591 ± 0.254 χ^2/NDF : 573.3/17

Left In: 9.746 ± 0.246 χ^2/NDF : 285.6/10

Left: 9.519 ± 0.177 χ^2/NDF : 406.7/21

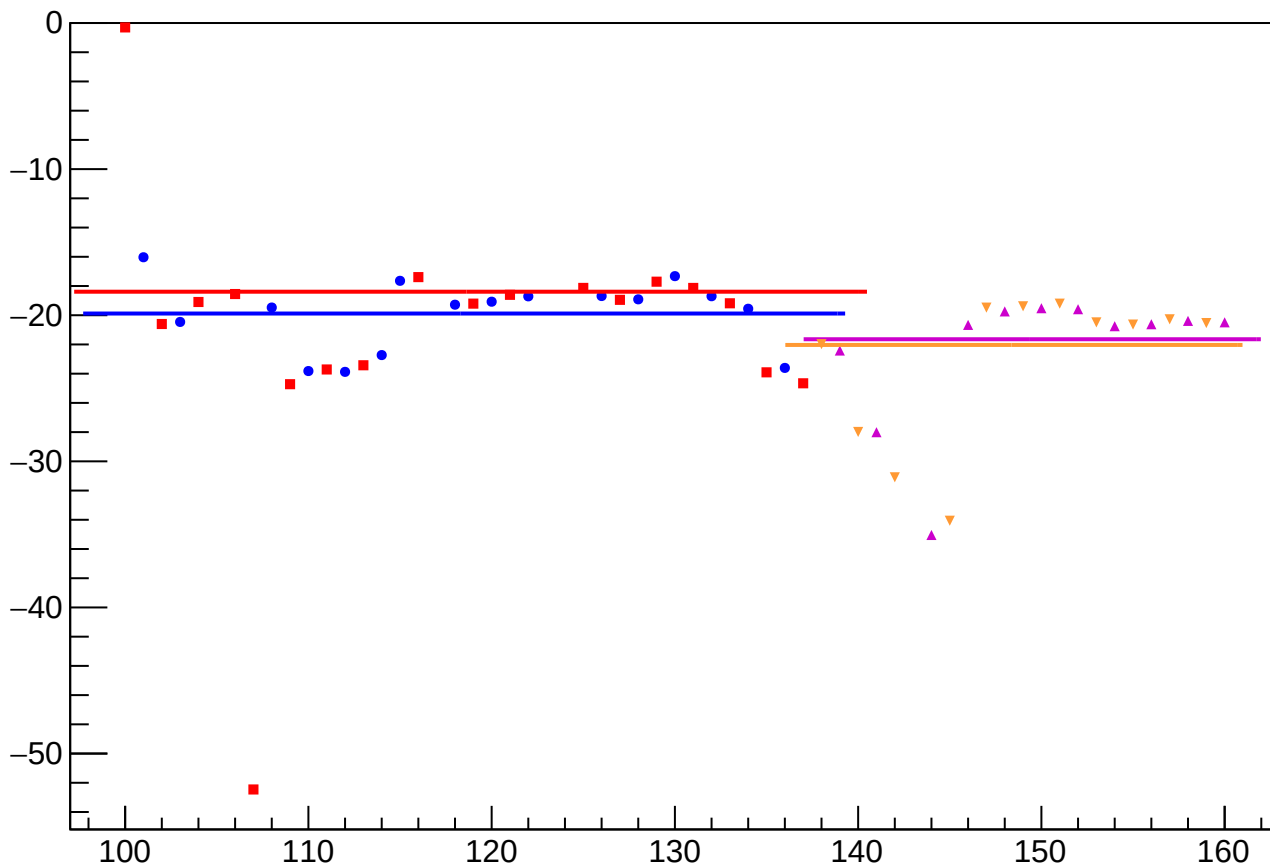
Right: 4.201 ± 0.179 χ^2/NDF : 1134.6/33

In: 7.320 ± 0.176 χ^2/NDF : 1034.0/26

Out: 6.444 ± 0.180 χ^2/NDF : 943.1/28

All: 6.891 ± 0.126 χ^2/NDF : 1989.3/55

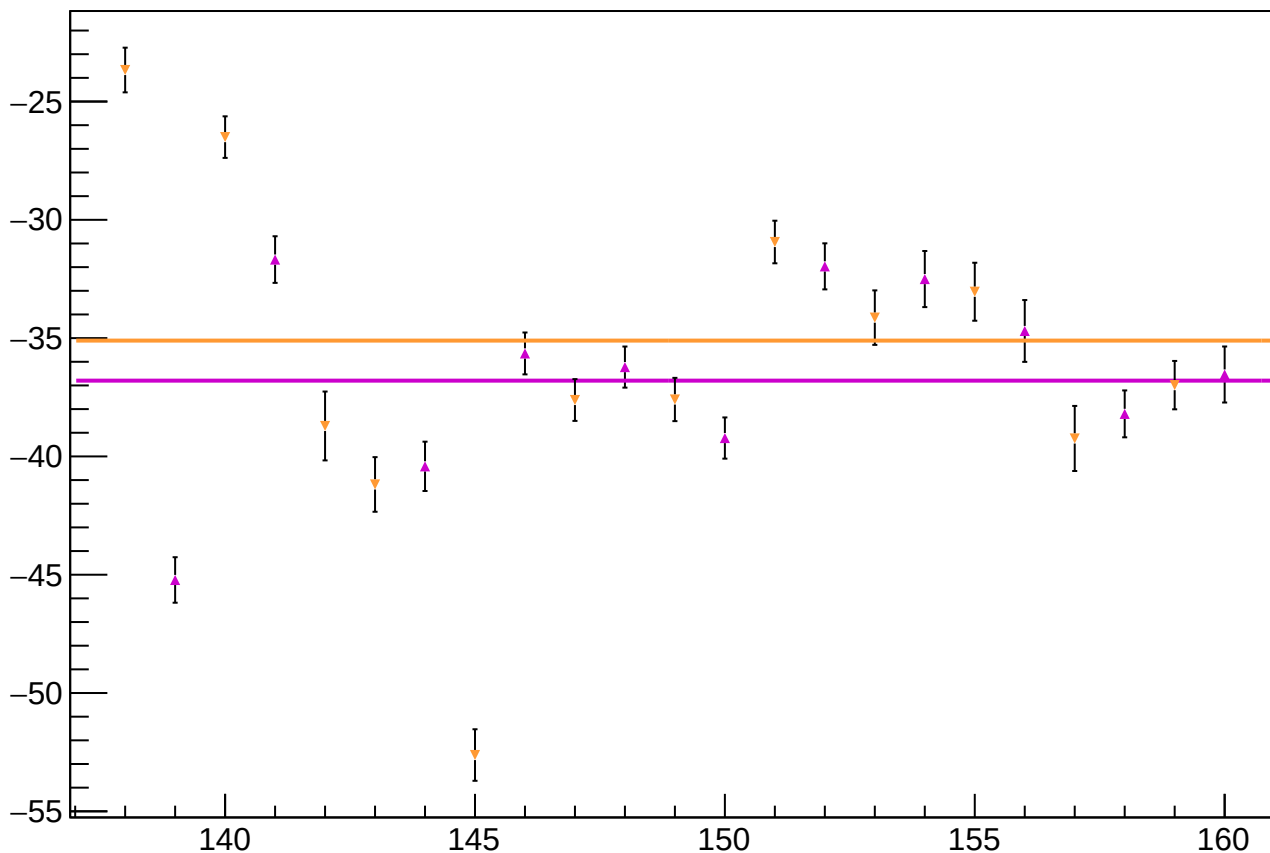
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.883 ± 0.016 $\chi^2/\text{NDF}: 26063.5/15$
 Left Out: -22.033 ± 0.012 $\chi^2/\text{NDF}: 114985.7/10$
 Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301247.7/17$
 Left In: -21.643 ± 0.012 $\chi^2/\text{NDF}: 95303.7/10$

Left: -21.827 ± 0.008 $\chi^2/\text{NDF}: 210817.9/21$
 Right: -19.096 ± 0.011 $\chi^2/\text{NDF}: 332167.8/33$
 In: -21.011 ± 0.009 $\chi^2/\text{NDF}: 129565.6/26$
 Out: -20.530 ± 0.009 $\chi^2/\text{NDF}: 452131.2/28$
 All: -20.774 ± 0.007 $\chi^2/\text{NDF}: 583007.4/55$

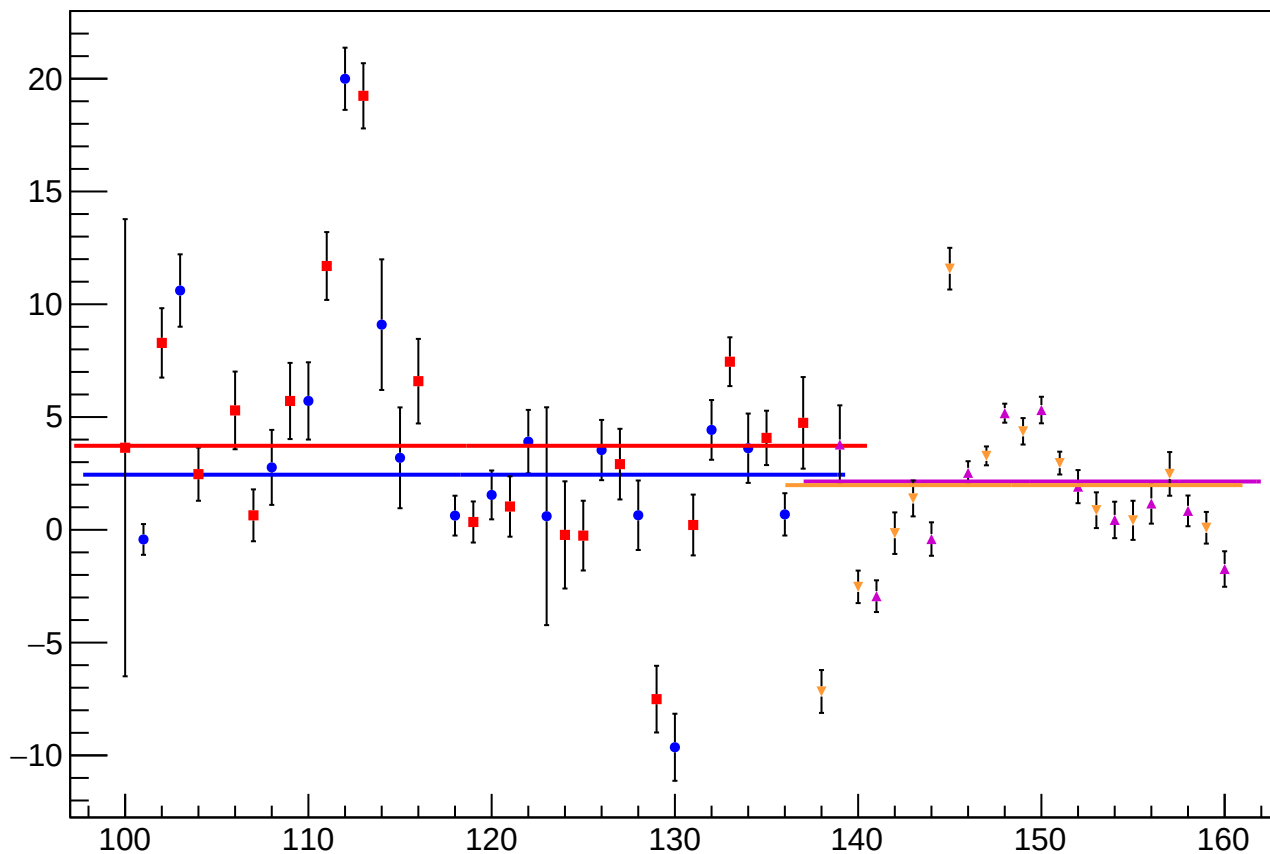
reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -35.104+/-0.300 χ^2/NDF :588.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -36.797+/-0.301 χ^2/NDF :168.0/10

Left: -35.948+/-0.213 χ^2/NDF : 771.9/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -36.797+/-0.301 χ^2/NDF :168.0/10
 Out: -35.104+/-0.300 χ^2/NDF :588.0/11
 All: -35.948+/-0.213 χ^2/NDF : 771.9/22

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.444 ± 0.311 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 1.981 ± 0.198 $\chi^2/\text{NDF}: 288.1/11$

Right Out: 3.726 ± 0.327 $\chi^2/\text{NDF}: 269.1/18$

Left In: 2.142 ± 0.201 $\chi^2/\text{NDF}: 179.9/10$

Left: 2.061 ± 0.141 $\chi^2/\text{NDF}: 468.4/22$

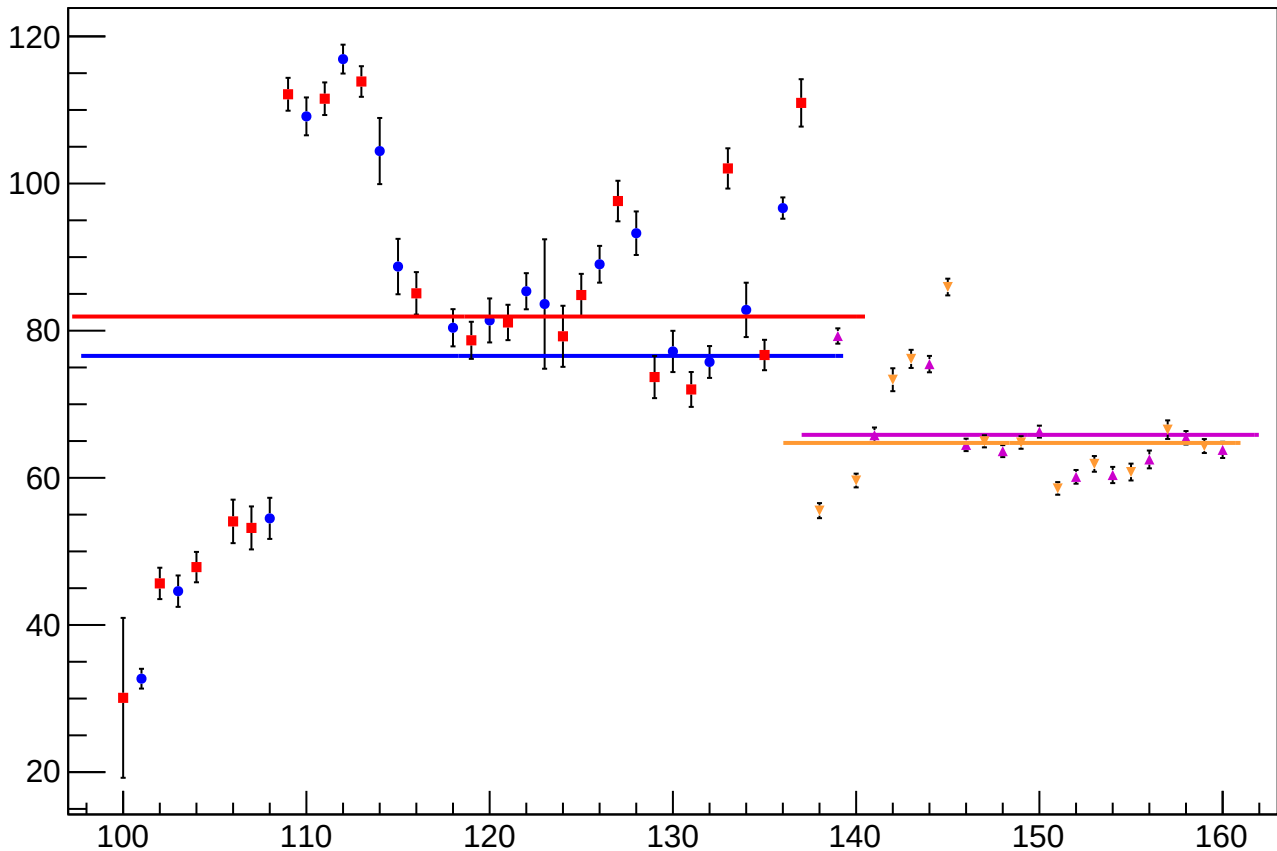
Right: 3.053 ± 0.225 $\chi^2/\text{NDF}: 572.5/35$

In: 2.231 ± 0.169 $\chi^2/\text{NDF}: 475.9/27$

Out: 2.450 ± 0.169 $\chi^2/\text{NDF}: 578.1/30$

All: 2.340 ± 0.119 $\chi^2/\text{NDF}: 1054.8/58$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.572 $\pm$ 0.573 χ^2 /NDF: 2253.6/16

Left Out: 64.743 $\pm$ 0.295 χ^2 /NDF: 647.2/11

Right Out: 81.923 $\pm$ 0.592 χ^2 /NDF: 1570.6/18

Left In: 65.842 $\pm$ 0.292 χ^2 /NDF: 324.4/10

Left: 65.297 $\pm$ 0.207 χ^2 /NDF: 978.7/22

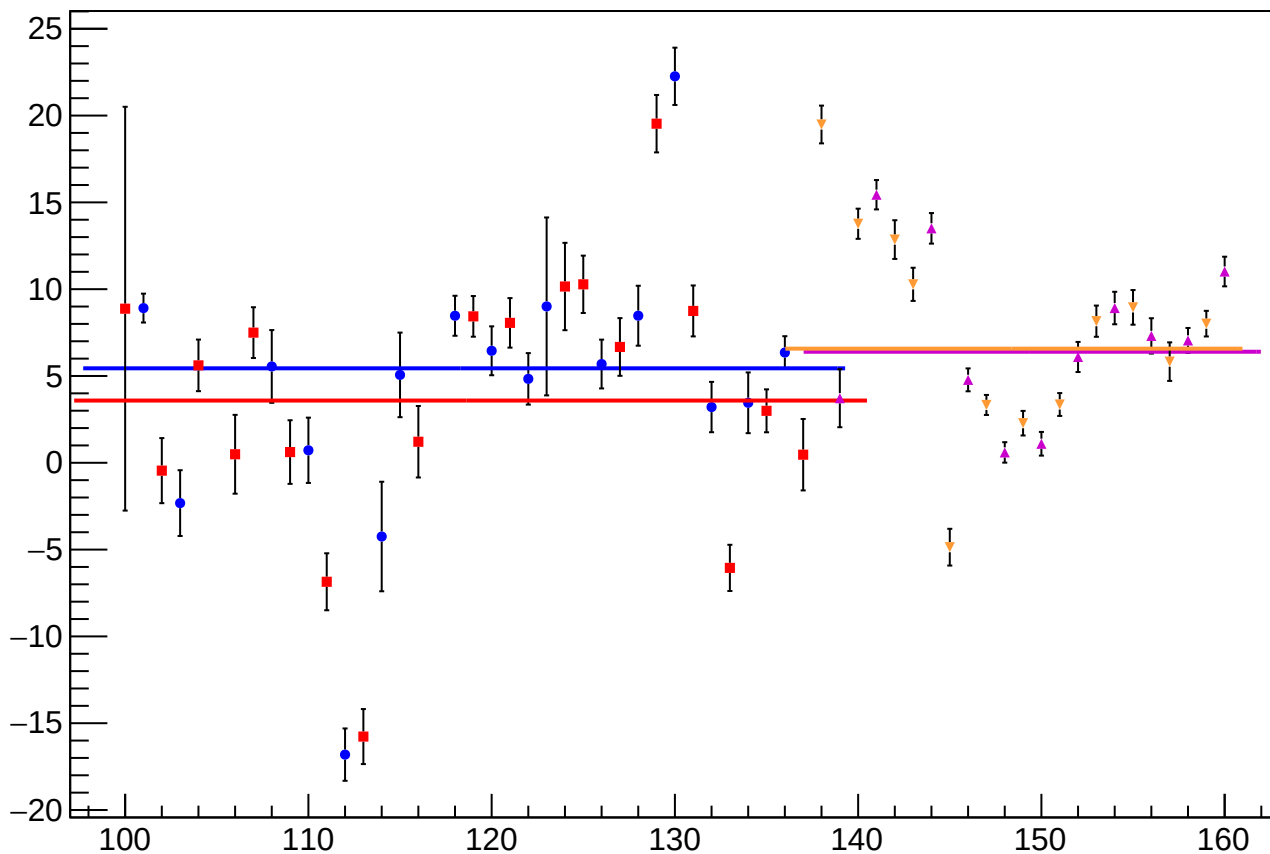
Right: 79.162 $\pm$ 0.412 χ^2 /NDF: 3866.3/35

In: 68.052 $\pm$ 0.260 χ^2 /NDF: 2856.2/27

Out: 68.156 $\pm$ 0.264 χ^2 /NDF: 2892.9/30

All: 68.103 $\pm$ 0.185 χ^2 /NDF: 5749.1/58

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.442 ± 0.357 $\chi^2/\text{NDF}: 387.5/16$

Left Out: 6.575 ± 0.241 $\chi^2/\text{NDF}: 478.2/11$

Right Out: 3.585 ± 0.375 $\chi^2/\text{NDF}: 423.2/18$

Left In: 6.396 ± 0.242 $\chi^2/\text{NDF}: 383.6/10$

Left: 6.486 ± 0.171 $\chi^2/\text{NDF}: 862.1/22$

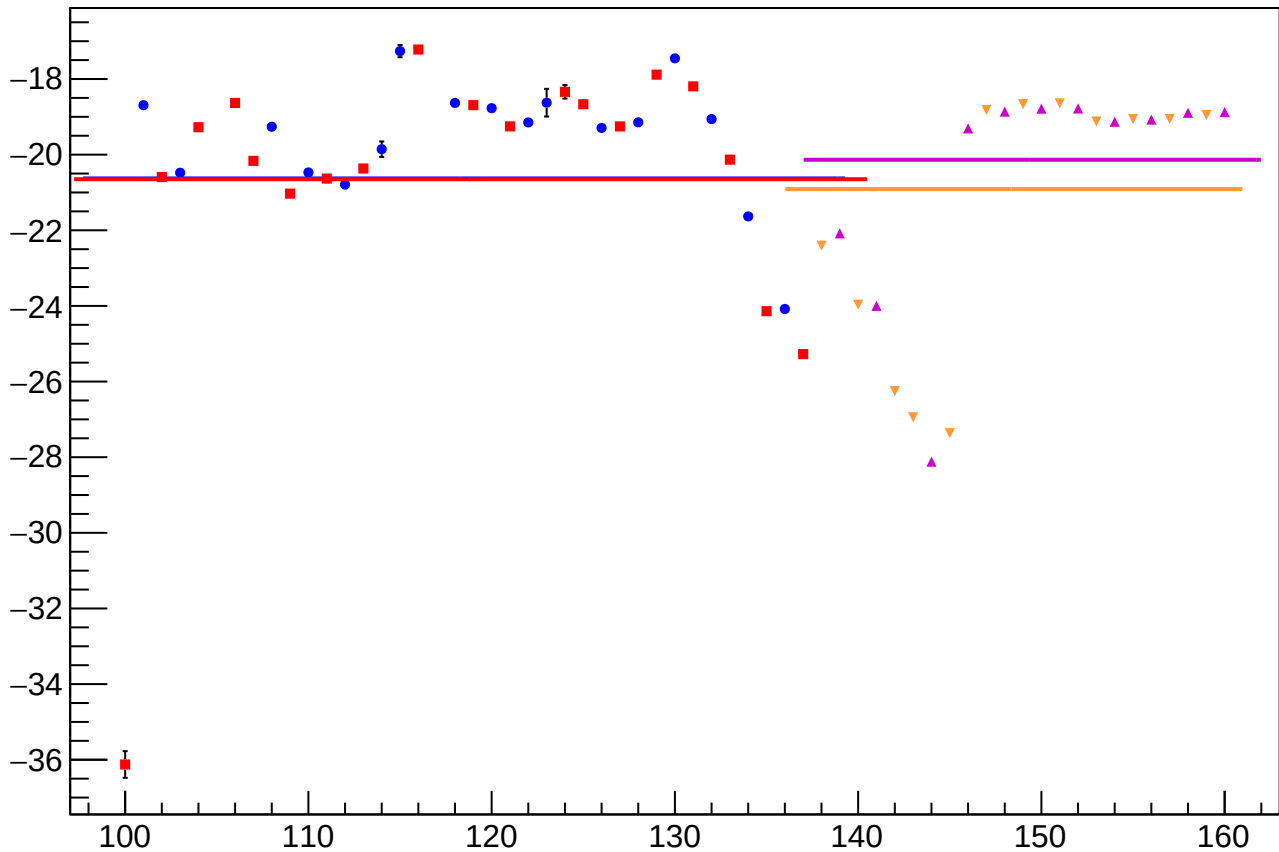
Right: 4.559 ± 0.259 $\chi^2/\text{NDF}: 823.5/35$

In: 6.097 ± 0.200 $\chi^2/\text{NDF}: 776.0/27$

Out: 5.700 ± 0.203 $\chi^2/\text{NDF}: 946.3/30$

All: 5.901 ± 0.143 $\chi^2/\text{NDF}: 1724.2/58$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630+/-0.019 χ^2/NDF : 12490.5/16

Left Out: -20.911+/-0.012 χ^2/NDF : 69650.5/11

Right Out: -20.650+/-0.019 χ^2/NDF : 13885.7/18

Left In: -20.135+/-0.011 χ^2/NDF : 46319.3/10

Left: -20.513+/-0.008 χ^2/NDF : 118196.6/22

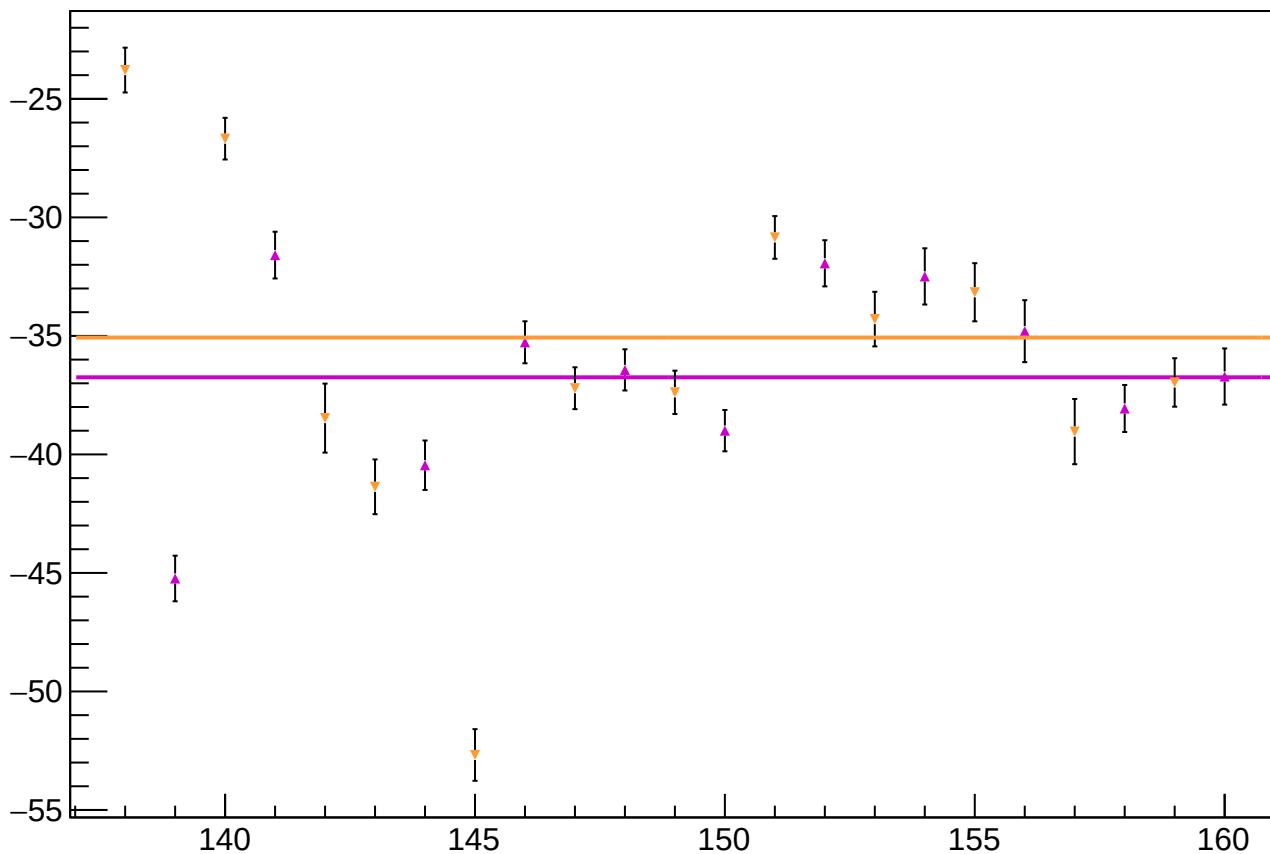
Right: -20.640+/-0.014 χ^2/NDF : 26376.6/35

In: -20.265+/-0.010 χ^2/NDF : 59297.7/27

Out: -20.841+/-0.010 χ^2/NDF : 83668.4/30

All: -20.547+/-0.007 χ^2/NDF : 144636.4/58

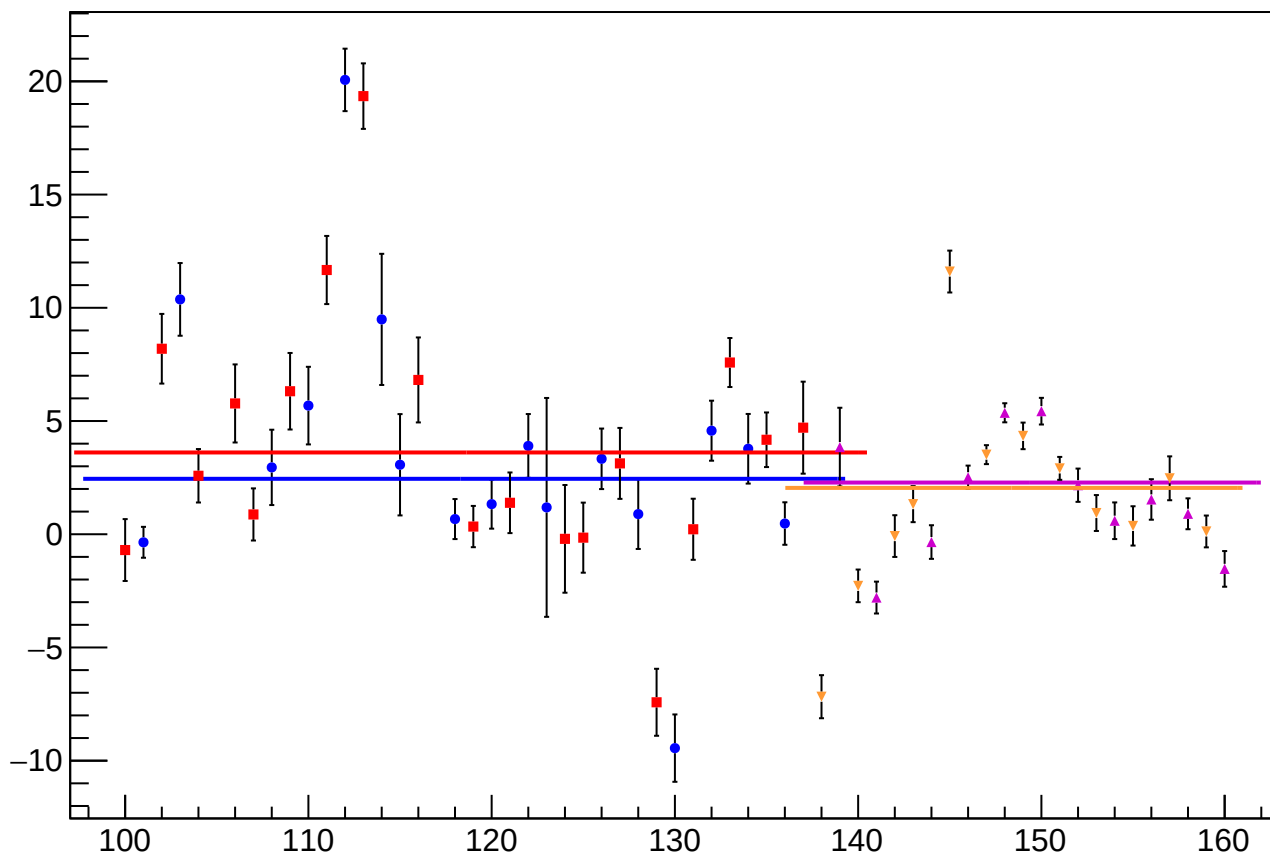
reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -35.070+/-0.300 χ^2/NDF :578.9/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -36.748+/-0.301 χ^2/NDF :168.6/10

Left: -35.906+/-0.213 χ^2/NDF : 763.0/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -36.748+/-0.301 χ^2/NDF :168.6/10
 Out: -35.070+/-0.300 χ^2/NDF :578.9/11
 All: -35.906+/-0.213 χ^2/NDF : 763.0/22

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.448 ± 0.311 χ^2/NDF : 293.4/16

Left Out: 2.046 ± 0.198 χ^2/NDF : 286.8/11

Right Out: 3.611 ± 0.318 χ^2/NDF : 279.4/18

Left In: 2.282 ± 0.201 χ^2/NDF : 180.3/10

Left: 2.163 ± 0.141 χ^2/NDF : 467.8/22

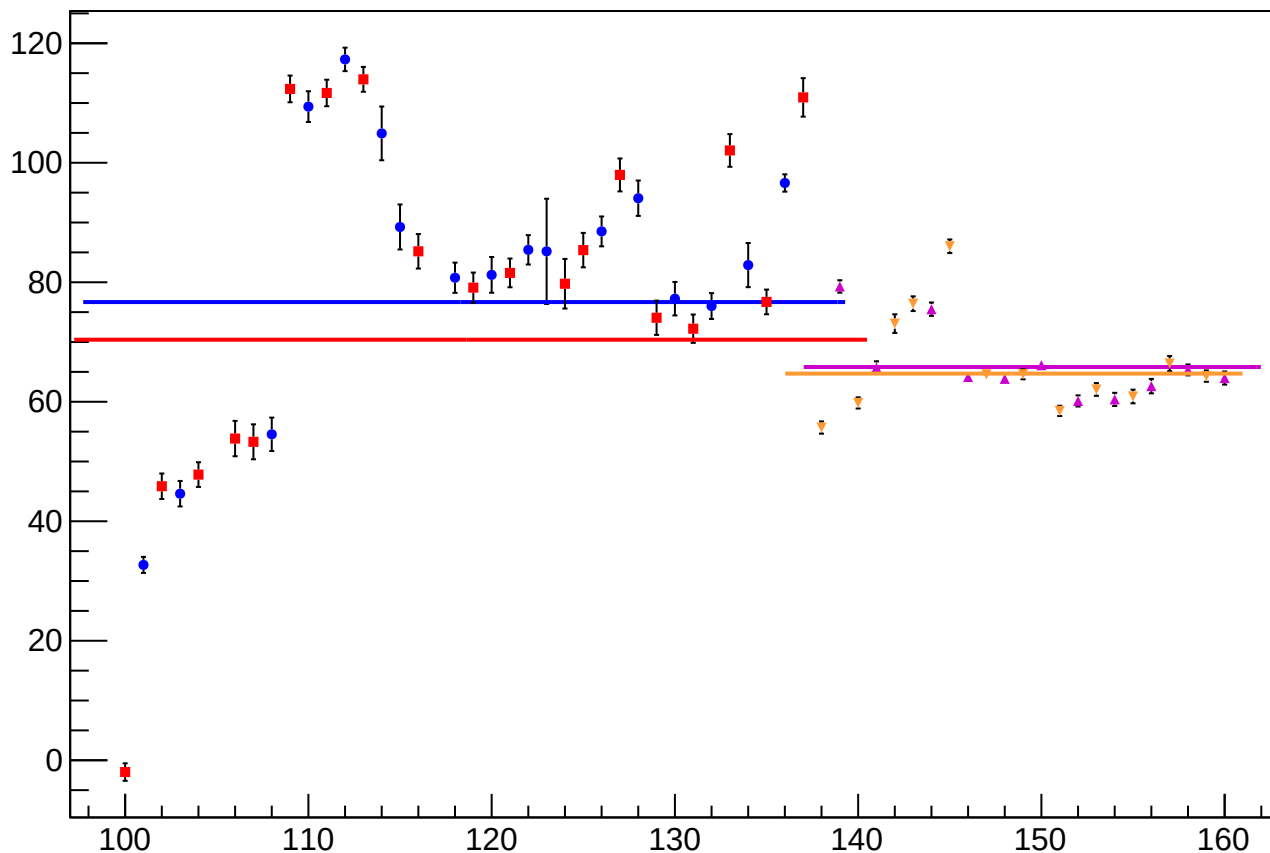
Right: 3.017 ± 0.223 χ^2/NDF : 579.6/35

In: 2.331 ± 0.169 χ^2/NDF : 473.9/27

Out: 2.483 ± 0.168 χ^2/NDF : 583.6/30

All: 2.407 ± 0.119 χ^2/NDF : 1057.9/58

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.687 ± 0.574 $\chi^2/\text{NDF}: 2265.1/16$

Left Out: 64.714 ± 0.295 $\chi^2/\text{NDF}: 646.7/11$

Right Out: 70.386 ± 0.550 $\chi^2/\text{NDF}: 4391.1/18$

Left In: 65.816 ± 0.292 $\chi^2/\text{NDF}: 324.0/10$

Left: 65.270 ± 0.208 $\chi^2/\text{NDF}: 977.7/22$

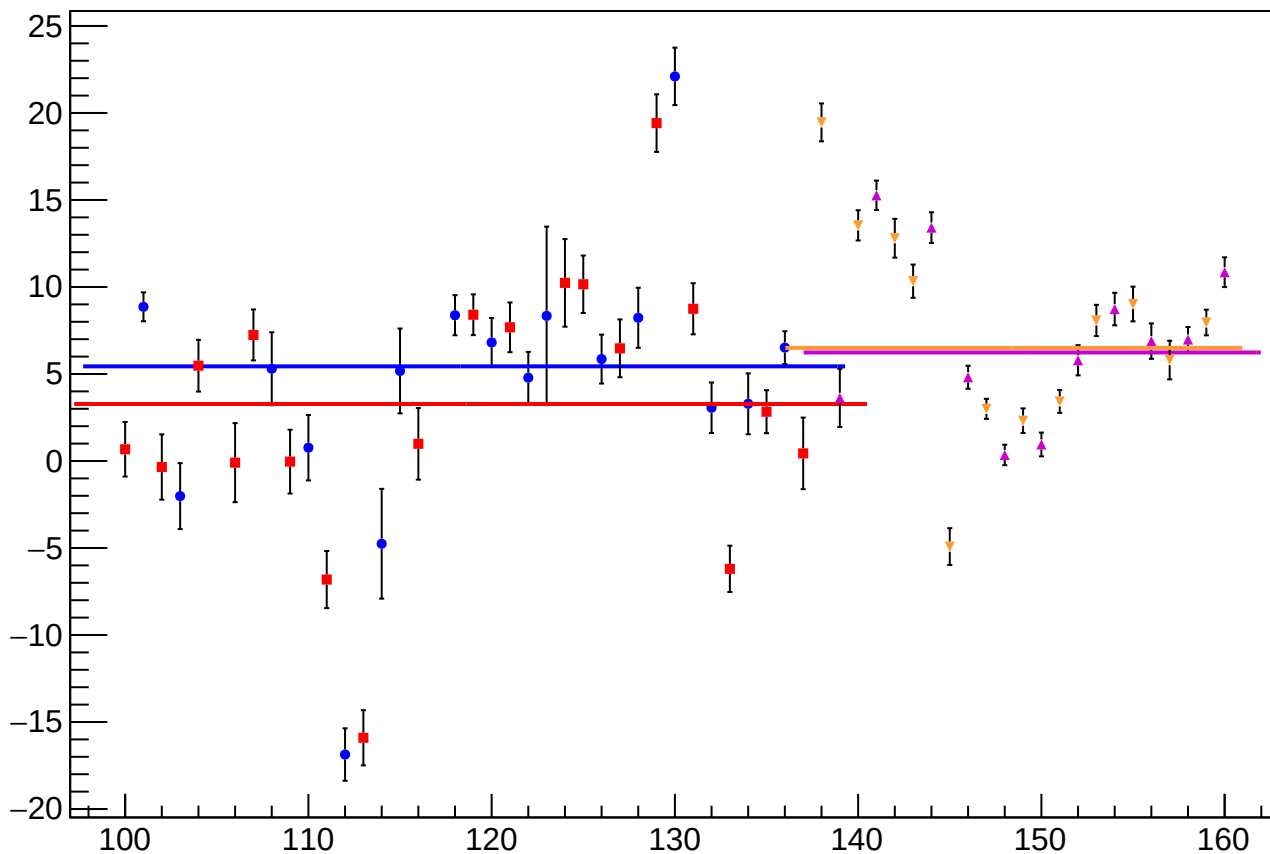
Right: 73.402 ± 0.397 $\chi^2/\text{NDF}: 6719.1/35$

In: 68.056 ± 0.260 $\chi^2/\text{NDF}: 2874.3/27$

Out: 65.981 ± 0.260 $\chi^2/\text{NDF}: 5120.5/30$

All: 67.016 ± 0.184 $\chi^2/\text{NDF}: 8026.5/58$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.439 ± 0.357 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 6.498 ± 0.242 $\chi^2/\text{NDF}: 478.8/11$

Right Out: 3.275 ± 0.365 $\chi^2/\text{NDF}: 425.8/18$

Left In: 6.237 ± 0.242 $\chi^2/\text{NDF}: 385.0/10$

Left: 6.368 ± 0.171 $\chi^2/\text{NDF}: 864.5/22$

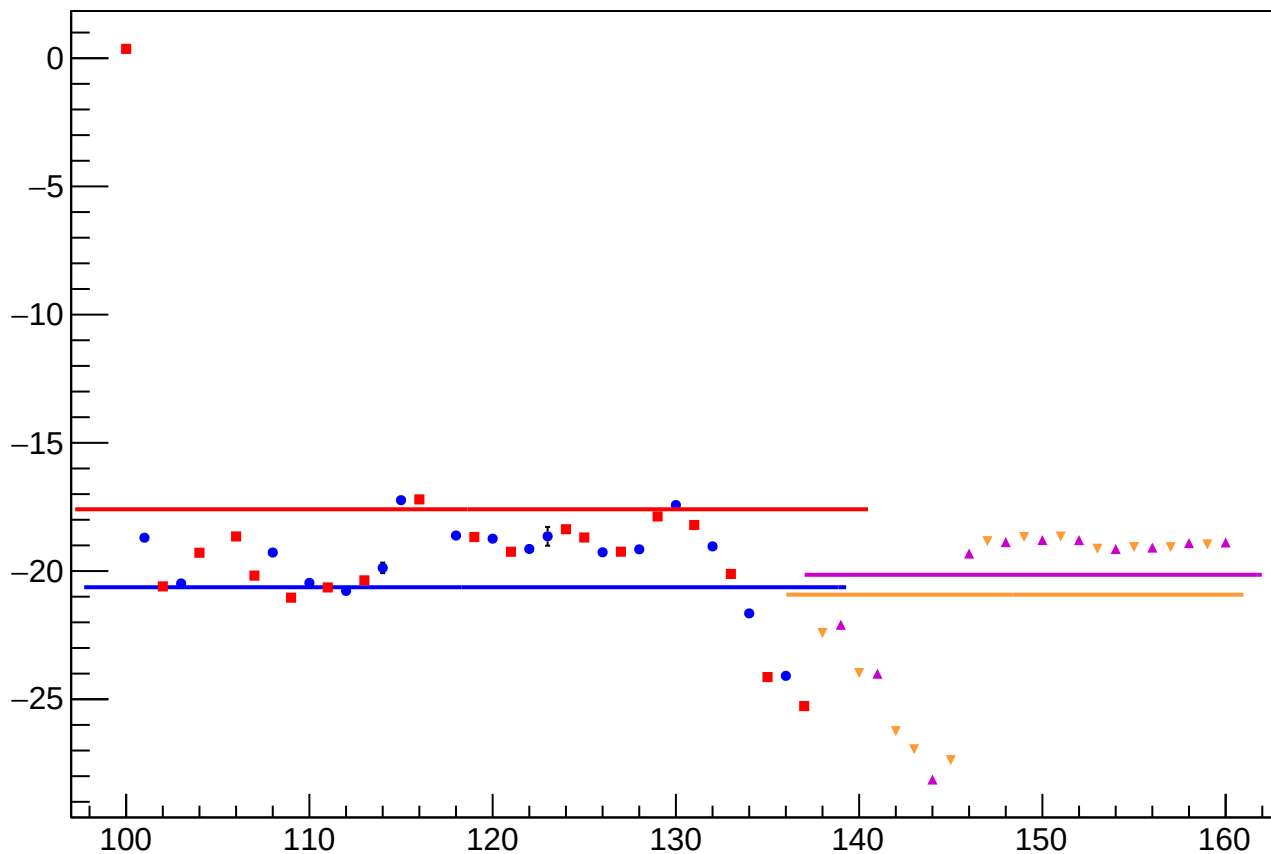
Right: 4.381 ± 0.256 $\chi^2/\text{NDF}: 829.6/35$

In: 5.986 ± 0.200 $\chi^2/\text{NDF}: 774.4/27$

Out: 5.518 ± 0.201 $\chi^2/\text{NDF}: 958.8/30$

All: 5.754 ± 0.142 $\chi^2/\text{NDF}: 1735.9/58$

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 ± 0.019 $\chi^2/\text{NDF}: 12530.8/16$

Left Out: -20.921 ± 0.012 $\chi^2/\text{NDF}: 69484.0/11$

Right Out: -17.591 ± 0.018 $\chi^2/\text{NDF}: 178680.7/18$

Left In: -20.146 ± 0.011 $\chi^2/\text{NDF}: 46248.9/10$

Left: -20.524 ± 0.008 $\chi^2/\text{NDF}: 117953.9/22$

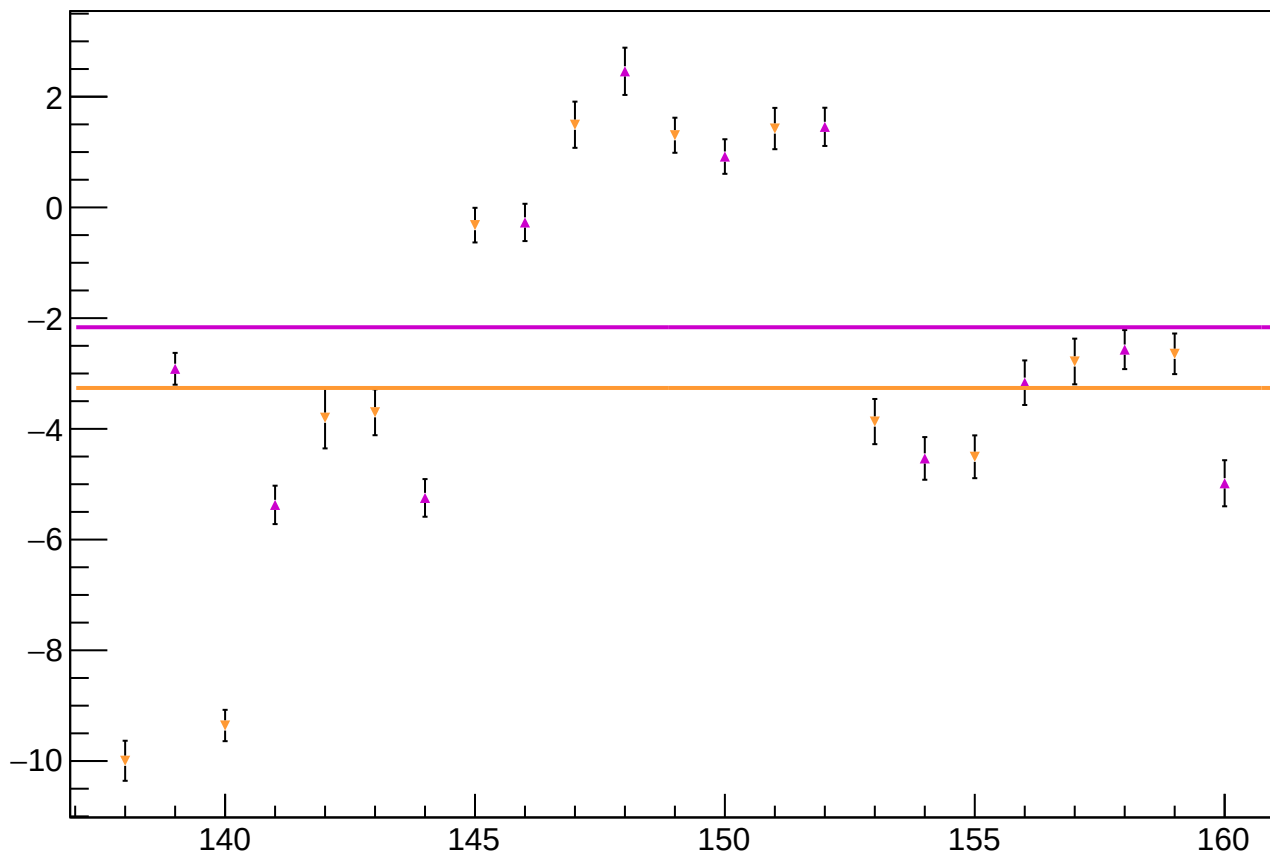
Right: -19.007 ± 0.013 $\chi^2/\text{NDF}: 204486.4/35$

In: -20.273 ± 0.010 $\chi^2/\text{NDF}: 59247.5/27$

Out: -19.924 ± 0.010 $\chi^2/\text{NDF}: 272112.3/30$

All: -20.098 ± 0.007 $\chi^2/\text{NDF}: 331986.0/58$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.261+/-0.106 χ^2/NDF :1413.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.165+/-0.106 χ^2/NDF :621.9/10

Left: -2.712+/-0.075 χ^2/NDF : 2088.4/22

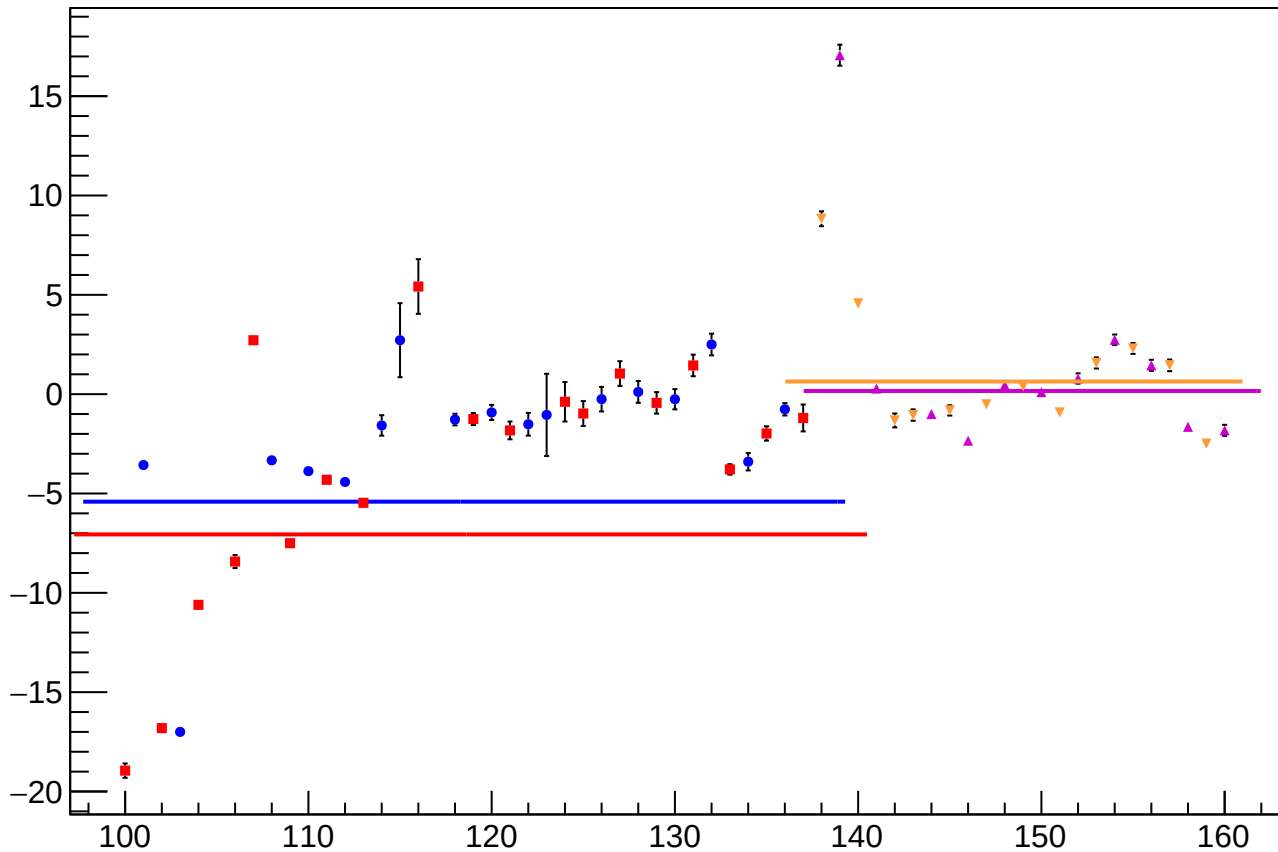
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.165+/-0.106 χ^2/NDF :621.9/10

Out: -3.261+/-0.106 χ^2/NDF :1413.3/11

All: -2.712+/-0.075 χ^2/NDF : 2088.4/22

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.411 ± 0.055 χ^2/NDF : 9261.2/16

Left Out: 0.637 ± 0.074 χ^2/NDF : 1147.8/11

Right Out: -7.060 ± 0.059 χ^2/NDF : 12329.4/18

Left In: 0.159 ± 0.076 χ^2/NDF : 1412.0/10

Left: 0.403 ± 0.053 χ^2/NDF : 2580.3/22

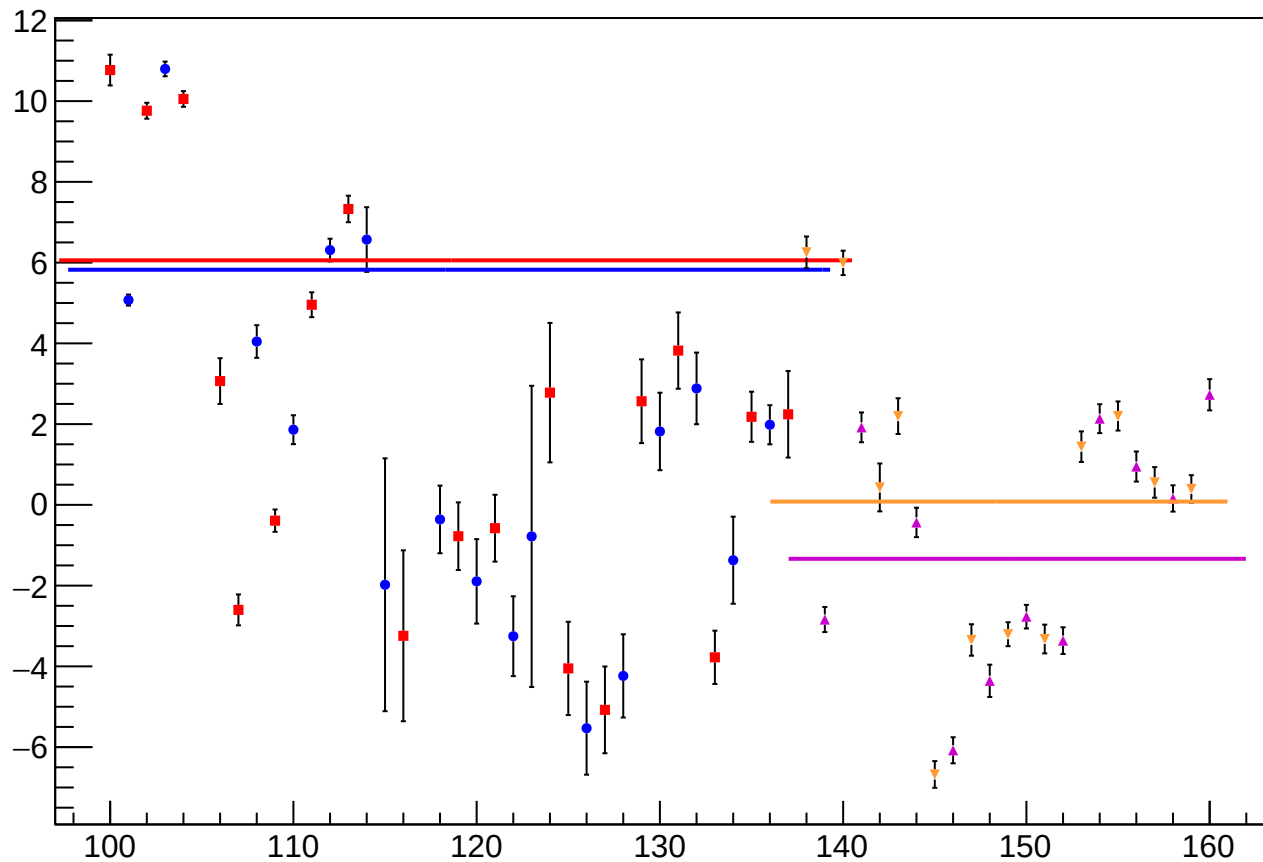
Right: -6.173 ± 0.040 χ^2/NDF : 22010.3/35

In: -3.494 ± 0.044 χ^2/NDF : 14237.9/27

Out: -4.067 ± 0.046 χ^2/NDF : 20086.1/30

All: -3.769 ± 0.032 χ^2/NDF : 34404.4/58

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.824 ± 0.090 $\chi^2/\text{NDF}: 1452.6/16$

Left Out: 0.081 ± 0.105 $\chi^2/\text{NDF}: 1414.8/11$

Right Out: 6.056 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

Left In: -1.336 ± 0.104 $\chi^2/\text{NDF}: 704.5/10$

Left: -0.637 ± 0.074 $\chi^2/\text{NDF}: 2211.6/22$

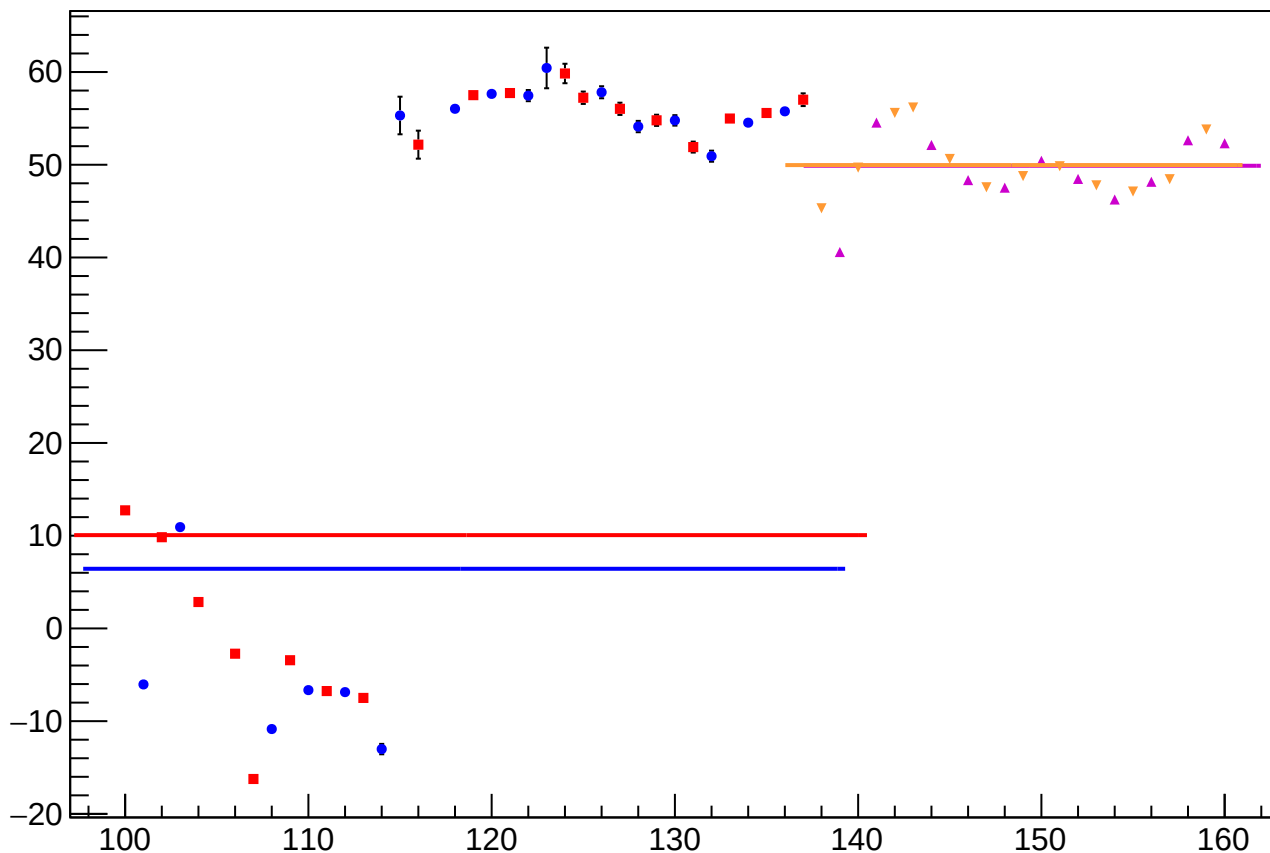
Right: 5.935 ± 0.065 $\chi^2/\text{NDF}: 4124.7/35$

In: 2.762 ± 0.068 $\chi^2/\text{NDF}: 4888.8/27$

Out: 3.419 ± 0.070 $\chi^2/\text{NDF}: 5892.7/30$

All: 3.081 ± 0.049 $\chi^2/\text{NDF}: 10827.2/58$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.432 ± 0.065 $\chi^2/\text{NDF}: 123486.3/16$

Left Out: 49.963 ± 0.088 $\chi^2/\text{NDF}: 1086.0/11$

Right Out: 10.060 ± 0.070 $\chi^2/\text{NDF}: 121816.0/18$

Left In: 49.890 ± 0.089 $\chi^2/\text{NDF}: 1114.6/10$

Left: 49.927 ± 0.063 $\chi^2/\text{NDF}: 2200.9/22$

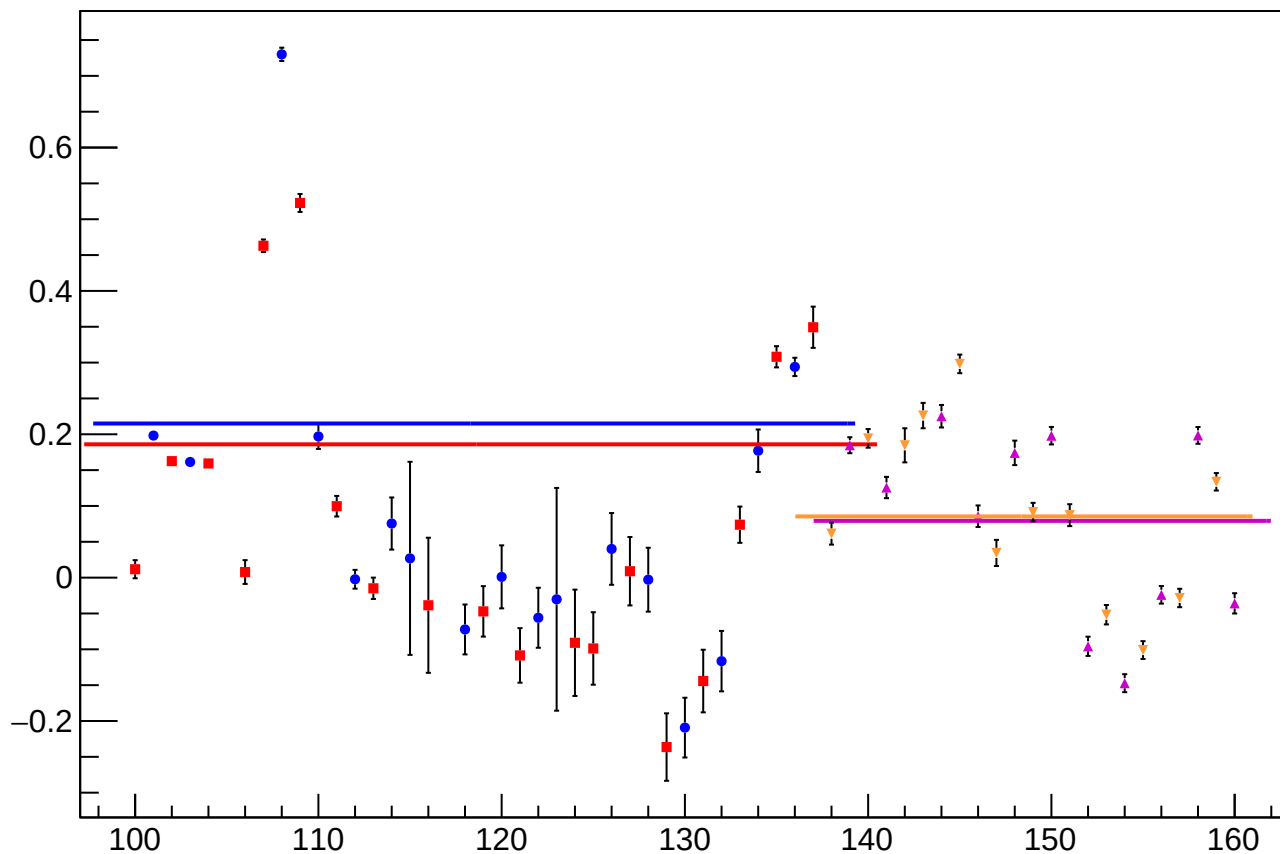
Right: 8.110 ± 0.047 $\chi^2/\text{NDF}: 246756.9/35$

In: 21.549 ± 0.052 $\chi^2/\text{NDF}: 281538.4/27$

Out: 25.406 ± 0.055 $\chi^2/\text{NDF}: 248800.7/30$

All: 23.389 ± 0.038 $\chi^2/\text{NDF}: 532939.2/58$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 $\chi^2/\text{NDF}: 3930.1/16$

Left Out: 0.085 ± 0.004 $\chi^2/\text{NDF}: 852.6/11$

Right Out: 0.186 ± 0.003 $\chi^2/\text{NDF}: 2720.3/18$

Left In: 0.079 ± 0.004 $\chi^2/\text{NDF}: 1048.7/10$

Left: 0.082 ± 0.003 $\chi^2/\text{NDF}: 1902.5/22$

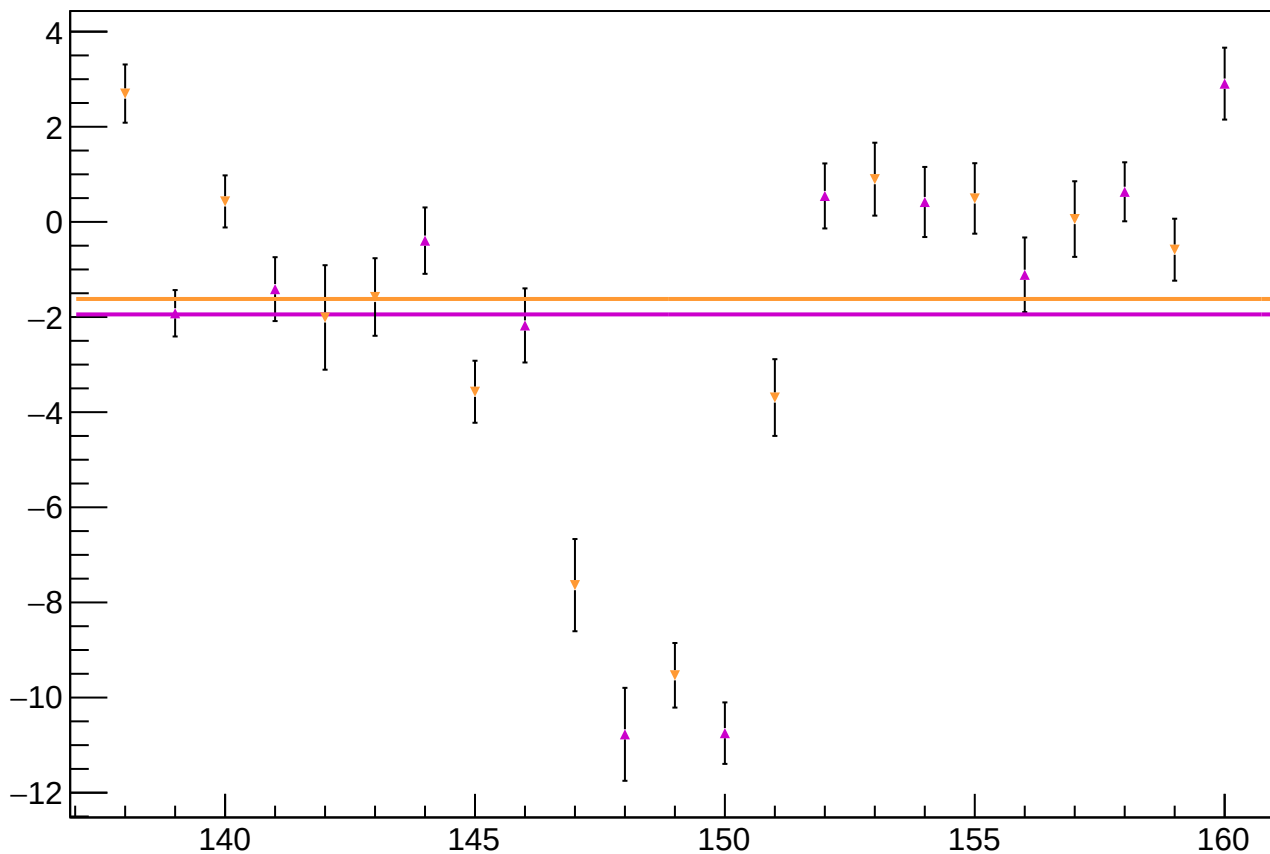
Right: 0.200 ± 0.002 $\chi^2/\text{NDF}: 6707.1/35$

In: 0.171 ± 0.002 $\chi^2/\text{NDF}: 5754.5/27$

Out: 0.156 ± 0.002 $\chi^2/\text{NDF}: 3992.3/30$

All: 0.163 ± 0.002 $\chi^2/\text{NDF}: 9769.9/58$

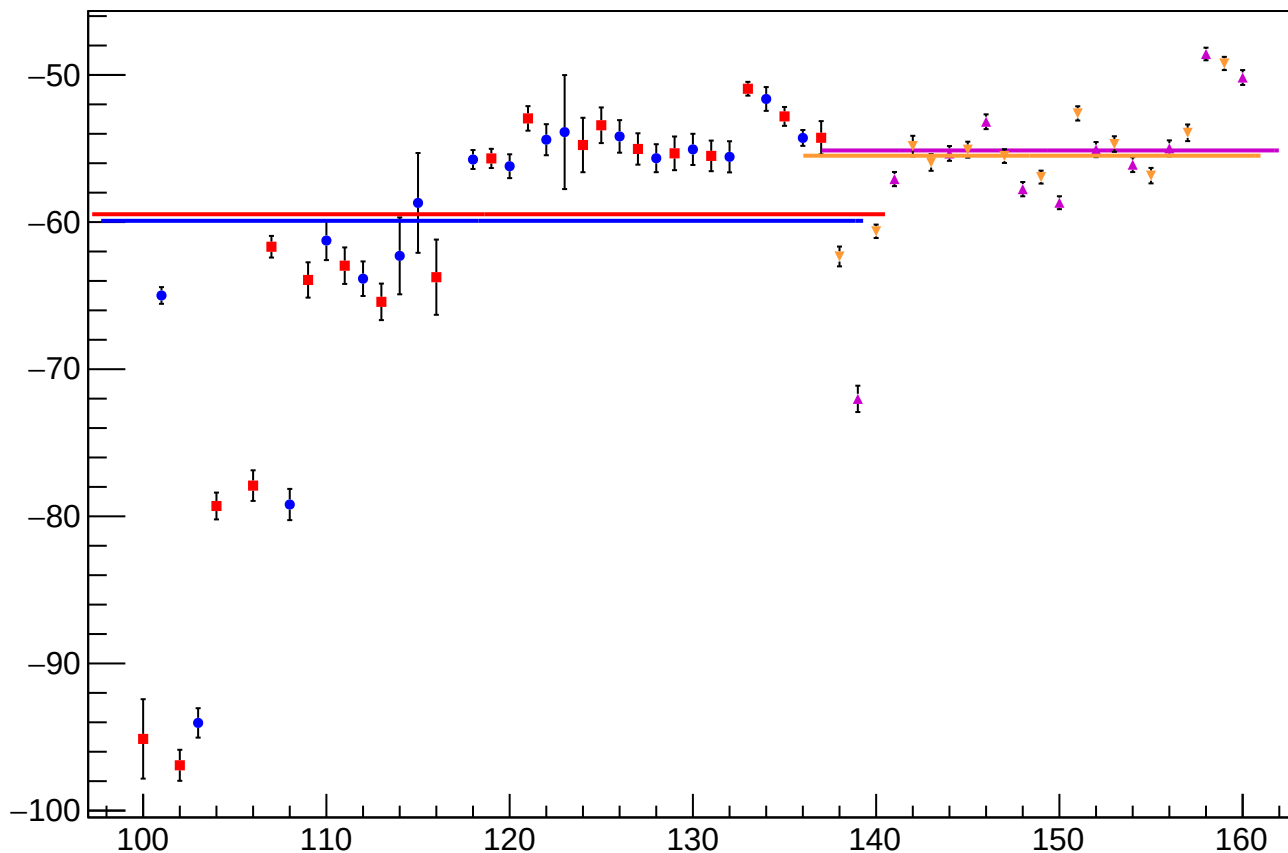
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.620+/-0.209 χ^2/NDF :279.7/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.945+/-0.206 χ^2/NDF :355.9/10

Left: -1.785+/-0.147 χ^2/NDF : 636.7/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.945+/-0.206 χ^2/NDF :355.9/10
 Out: -1.620+/-0.209 χ^2/NDF :279.7/11
 All: -1.785+/-0.147 χ^2/NDF : 636.7/22

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.914 ± 0.223 $\chi^2/\text{NDF}: 1979.5/16$

Left Out: -55.489 ± 0.149 $\chi^2/\text{NDF}: 488.5/11$

Right Out: -59.468 ± 0.212 $\chi^2/\text{NDF}: 2912.7/18$

Left In: -55.131 ± 0.152 $\chi^2/\text{NDF}: 815.7/10$

Left: -55.313 ± 0.107 $\chi^2/\text{NDF}: 1307.0/22$

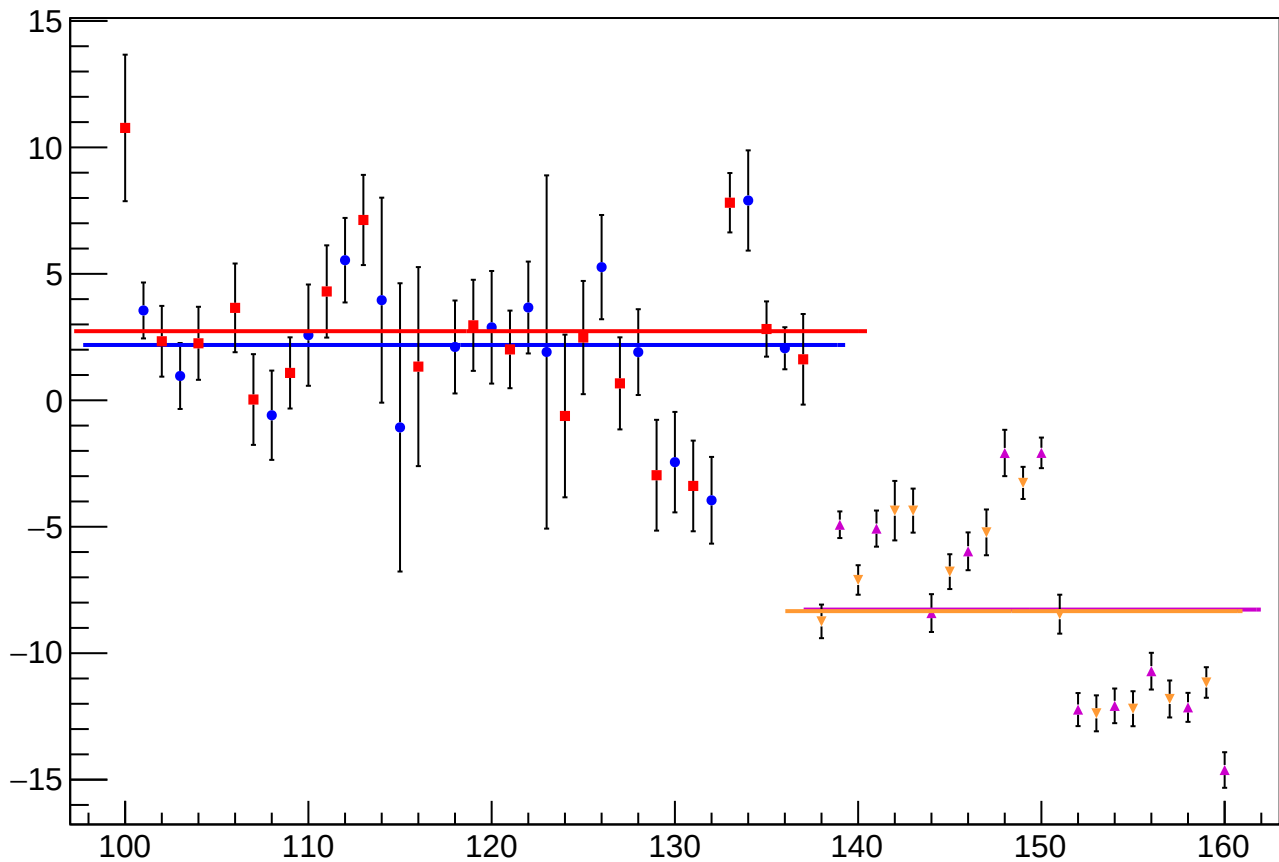
Right: -59.680 ± 0.154 $\chi^2/\text{NDF}: 4894.3/35$

In: -56.648 ± 0.126 $\chi^2/\text{NDF}: 3109.3/27$

Out: -56.809 ± 0.122 $\chi^2/\text{NDF}: 3636.4/30$

All: -56.731 ± 0.088 $\chi^2/\text{NDF}: 6746.6/58$

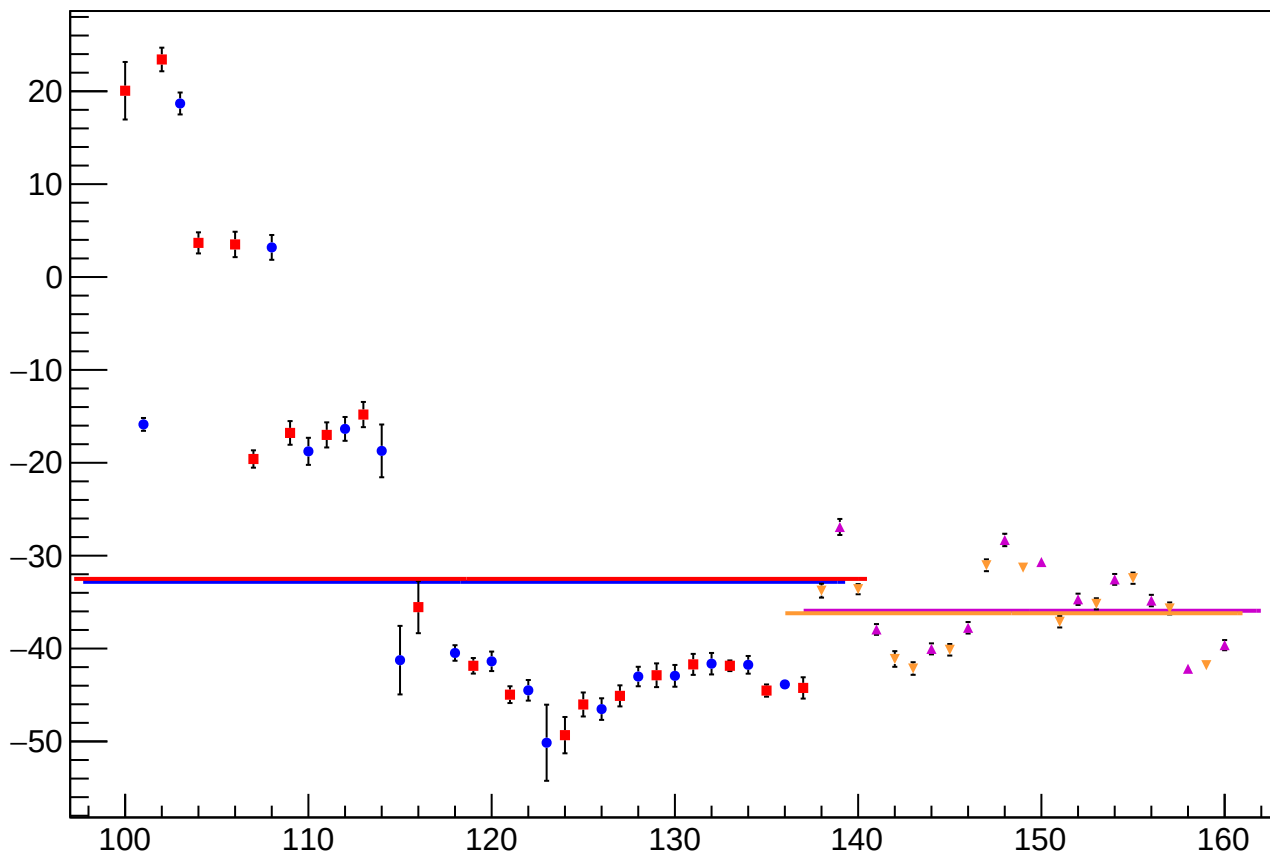
reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.188 ± 0.404 $\chi^2/\text{NDF}: 39.1/16$
 Left Out: -8.337 ± 0.207 $\chi^2/\text{NDF}: 225.6/11$
 Right Out: 2.733 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$
 Left In: -8.275 ± 0.202 $\chi^2/\text{NDF}: 426.5/10$

Left: -8.305 ± 0.144 $\chi^2/\text{NDF}: 652.1/22$
 Right: 2.472 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$
 In: -6.183 ± 0.181 $\chi^2/\text{NDF}: 1001.9/27$
 Out: -5.887 ± 0.182 $\chi^2/\text{NDF}: 919.5/30$
 All: -6.036 ± 0.128 $\chi^2/\text{NDF}: 1922.8/58$

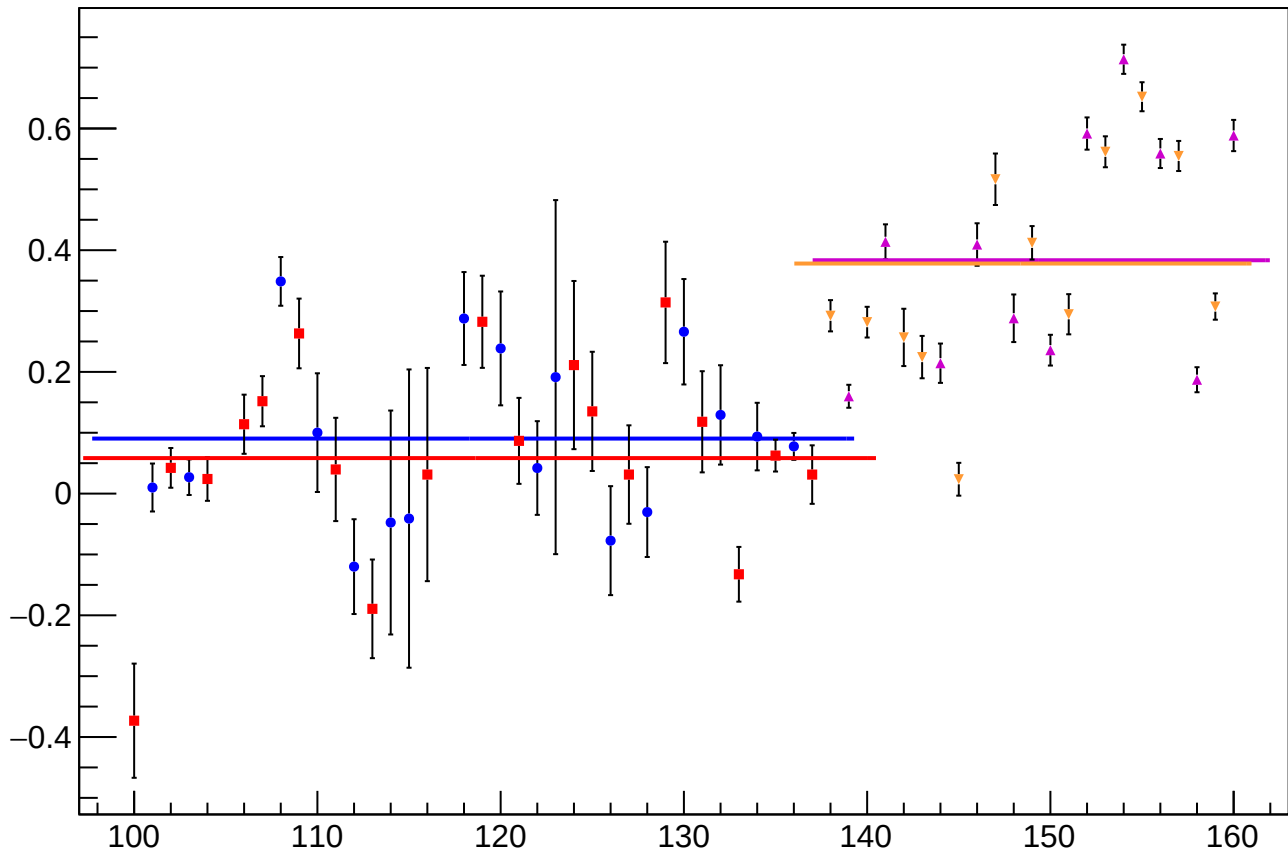
reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.817 ± 0.254 $\chi^2/\text{NDF}: 4666.6/16$
 Left Out: -36.200 ± 0.176 $\chi^2/\text{NDF}: 520.4/11$
 Right Out: -32.501 ± 0.244 $\chi^2/\text{NDF}: 6037.9/18$
 Left In: -35.930 ± 0.176 $\chi^2/\text{NDF}: 691.5/10$

Left: -36.065 ± 0.124 $\chi^2/\text{NDF}: 1213.1/22$
 Right: -32.652 ± 0.176 $\chi^2/\text{NDF}: 10705.2/35$
 In: -34.923 ± 0.144 $\chi^2/\text{NDF}: 5459.7/27$
 Out: -34.934 ± 0.143 $\chi^2/\text{NDF}: 6709.5/30$
 All: -34.929 ± 0.102 $\chi^2/\text{NDF}: 12169.2/58$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 79.2/16

Left Out: 0.378 ± 0.008 χ^2/NDF : 489.4/11

Right Out: 0.058 ± 0.012 χ^2/NDF : 87.3/18

Left In: 0.383 ± 0.008 χ^2/NDF : 669.6/10

Left: 0.381 ± 0.006 χ^2/NDF : 1159.2/22

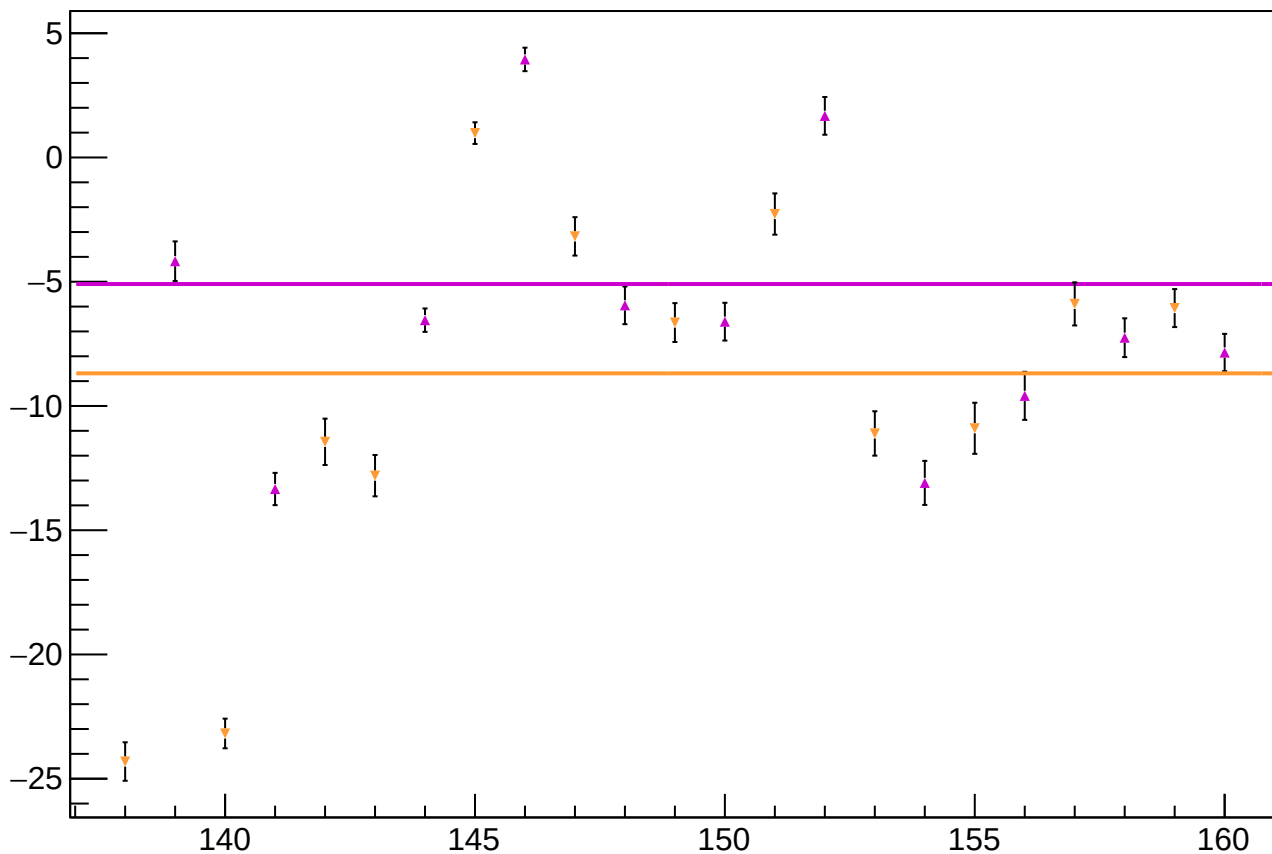
Right: 0.074 ± 0.009 χ^2/NDF : 169.9/35

In: 0.305 ± 0.007 χ^2/NDF : 1137.0/27

Out: 0.281 ± 0.007 χ^2/NDF : 1060.0/30

All: 0.293 ± 0.005 χ^2/NDF : 2203.2/58

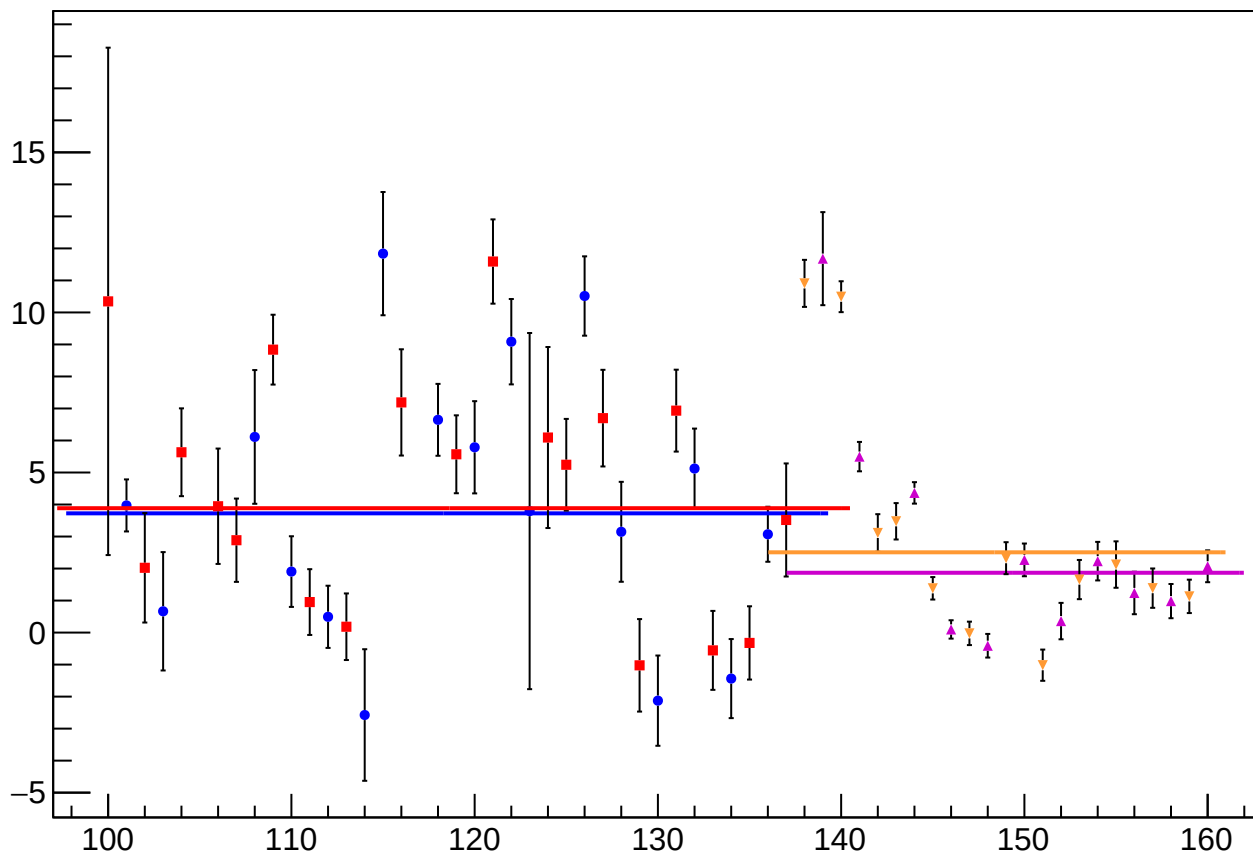
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.687+/-0.212 χ^2/NDF :1672.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.093+/-0.205 χ^2/NDF :747.1/10

Left: -6.830+/-0.147 χ^2/NDF : 2569.0/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -5.093+/-0.205 χ^2/NDF :747.1/10
 Out: -8.687+/-0.212 χ^2/NDF :1672.8/11
 All: -6.830+/-0.147 χ^2/NDF : 2569.0/22

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.725 ± 0.308 χ^2/NDF : 136.8/16

Left Out: 2.507 ± 0.146 χ^2/NDF : 531.7/11

Right Out: 3.885 ± 0.316 χ^2/NDF : 134.4/18

Left In: 1.868 ± 0.137 χ^2/NDF : 251.5/10

Left: 2.168 ± 0.100 χ^2/NDF : 793.3/22

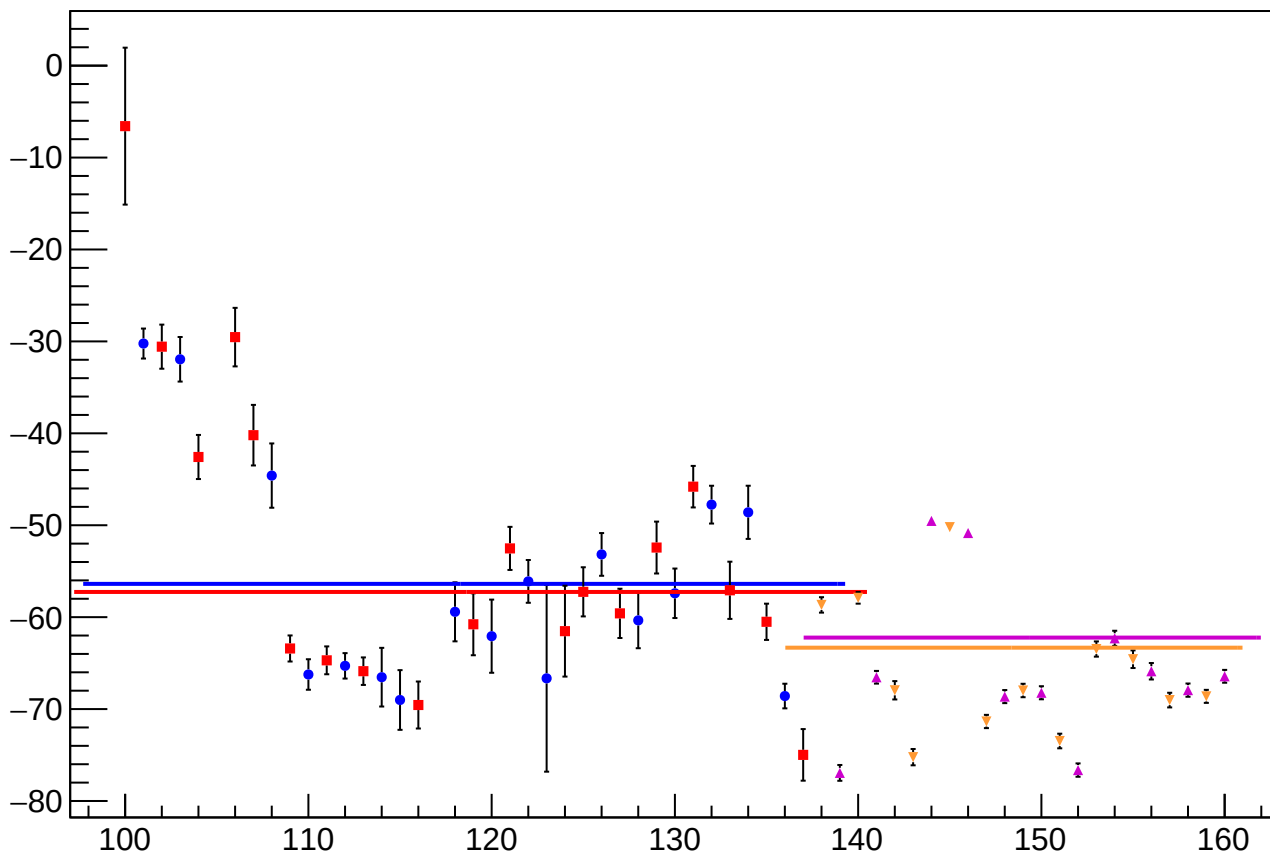
Right: 3.803 ± 0.221 χ^2/NDF : 271.3/35

In: 2.175 ± 0.125 χ^2/NDF : 418.4/27

Out: 2.750 ± 0.133 χ^2/NDF : 681.7/30

All: 2.446 ± 0.091 χ^2/NDF : 1110.0/58

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.379 ± 0.542 $\chi^2/\text{NDF}: 587.4/16$

Left Out: -63.321 ± 0.212 $\chi^2/\text{NDF}: 1540.4/11$

Right Out: -57.258 ± 0.536 $\chi^2/\text{NDF}: 476.1/18$

Left In: -62.224 ± 0.201 $\chi^2/\text{NDF}: 2254.0/10$

Left: -62.743 ± 0.146 $\chi^2/\text{NDF}: 3808.5/22$

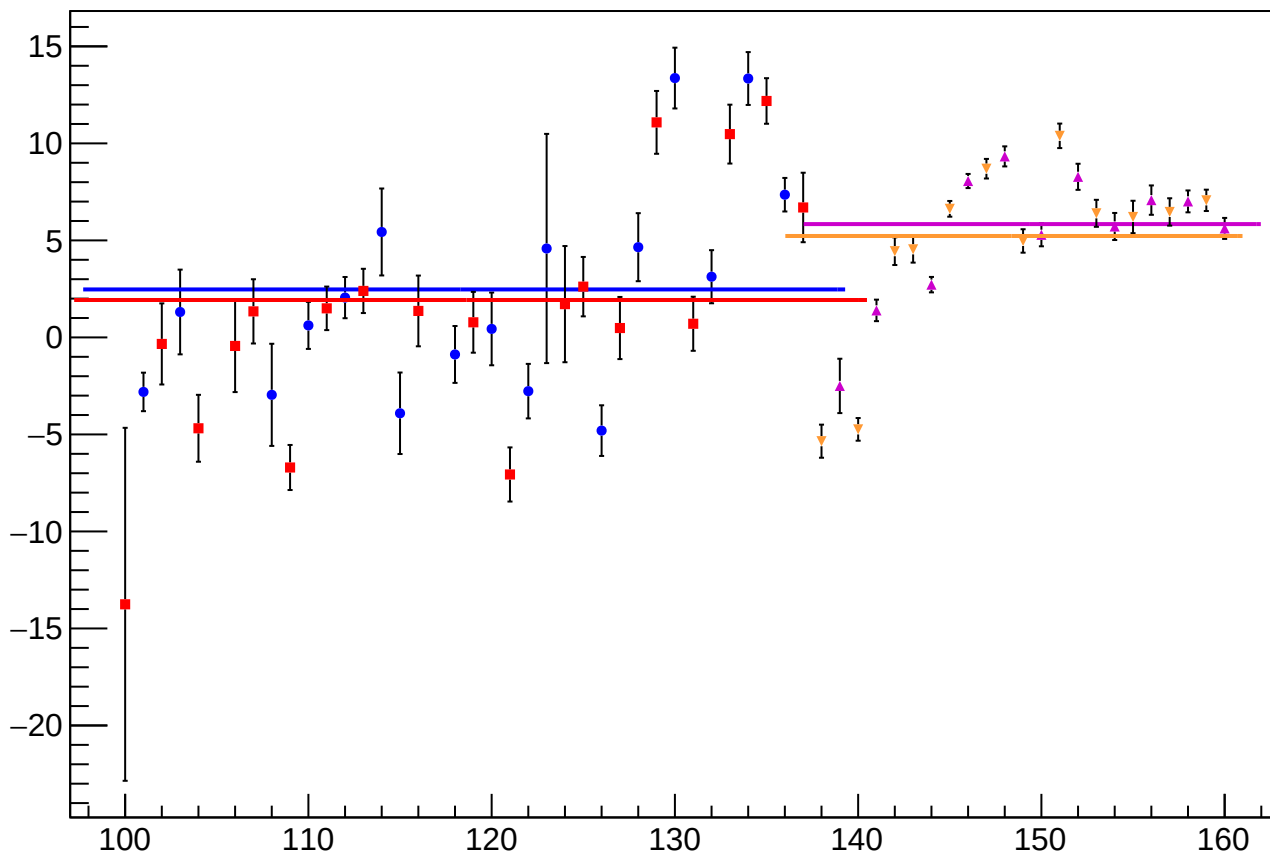
Right: -56.823 ± 0.381 $\chi^2/\text{NDF}: 1064.8/35$

In: -61.517 ± 0.188 $\chi^2/\text{NDF}: 2943.6/27$

Out: -62.501 ± 0.197 $\chi^2/\text{NDF}: 2127.2/30$

All: -61.987 ± 0.136 $\chi^2/\text{NDF}: 5083.8/58$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.473 ± 0.345 χ^2/NDF : 243.6/16

Left Out: 5.227 ± 0.175 χ^2/NDF : 591.6/11

Right Out: 1.928 ± 0.355 χ^2/NDF : 266.6/18

Left In: 5.840 ± 0.165 χ^2/NDF : 265.2/10

Left: 5.553 ± 0.120 χ^2/NDF : 863.3/22

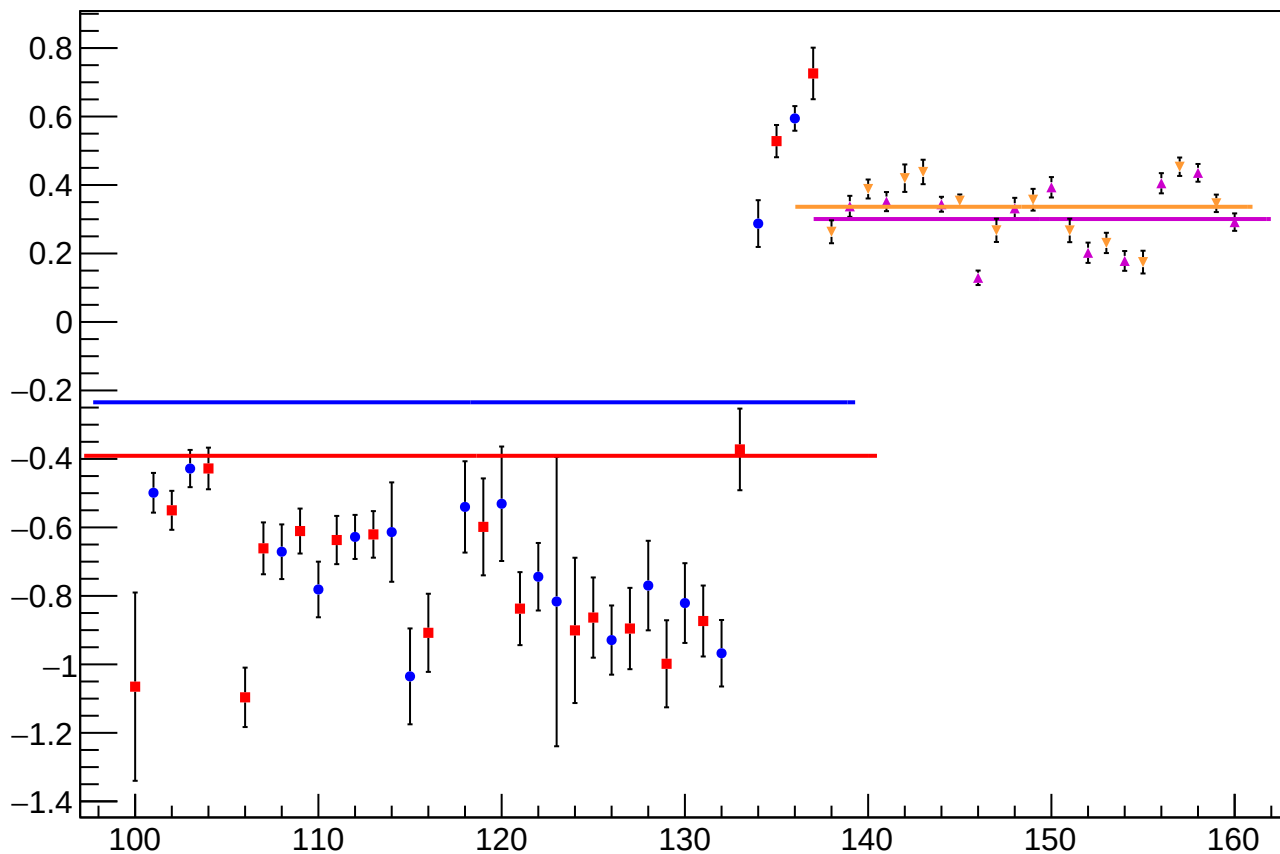
Right: 2.208 ± 0.248 χ^2/NDF : 511.4/35

In: 5.215 ± 0.149 χ^2/NDF : 586.2/27

Out: 4.579 ± 0.157 χ^2/NDF : 927.7/30

All: 4.914 ± 0.108 χ^2/NDF : 1522.5/58

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.235 ± 0.019 χ^2/NDF : 958.4/16

Left Out: 0.336 ± 0.008 χ^2/NDF : 85.7/11

Right Out: -0.391 ± 0.019 χ^2/NDF : 853.3/18

Left In: 0.301 ± 0.008 χ^2/NDF : 154.0/10

Left: 0.318 ± 0.006 χ^2/NDF : 249.2/22

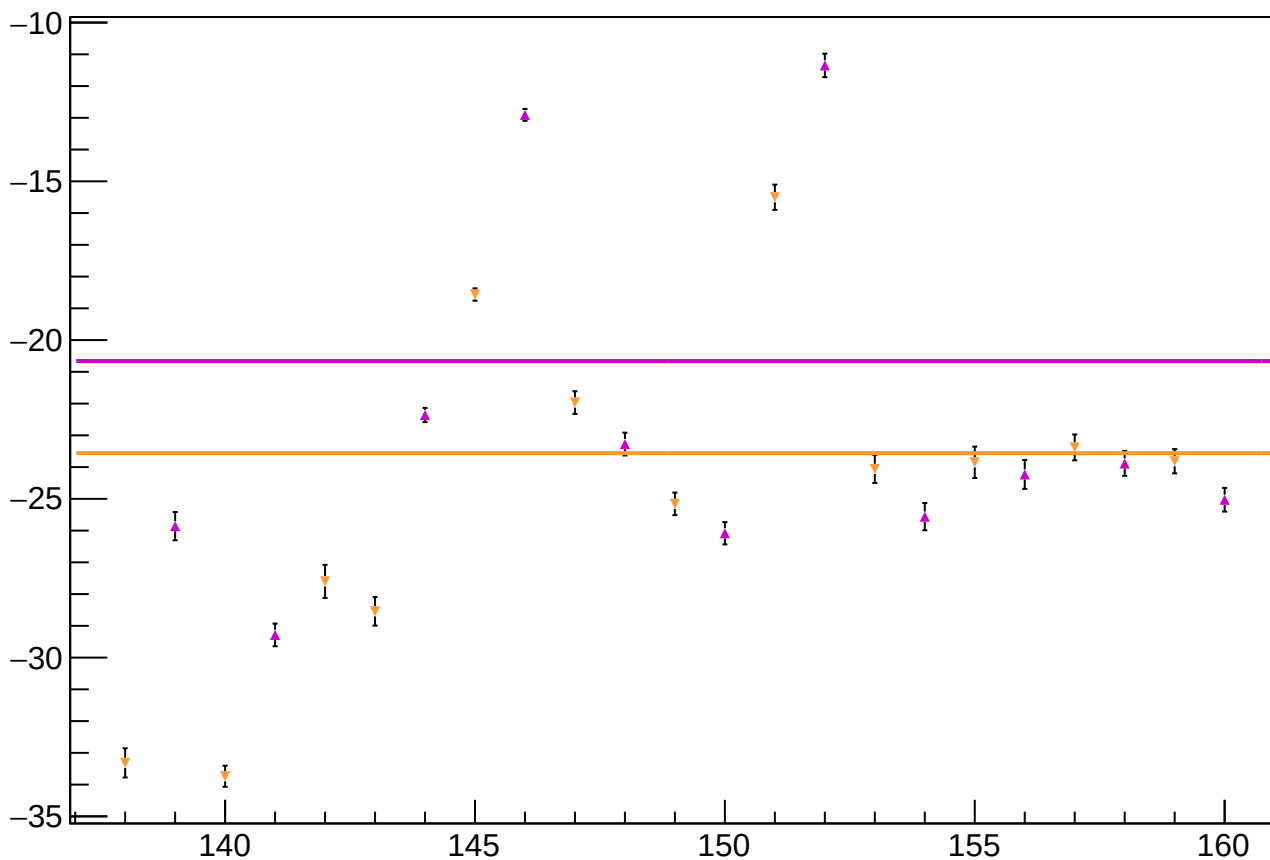
Right: -0.312 ± 0.013 χ^2/NDF : 1845.8/35

In: 0.218 ± 0.007 χ^2/NDF : 1792.8/27

Out: 0.218 ± 0.008 χ^2/NDF : 2171.1/30

All: 0.218 ± 0.005 χ^2/NDF : 3963.9/58

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected

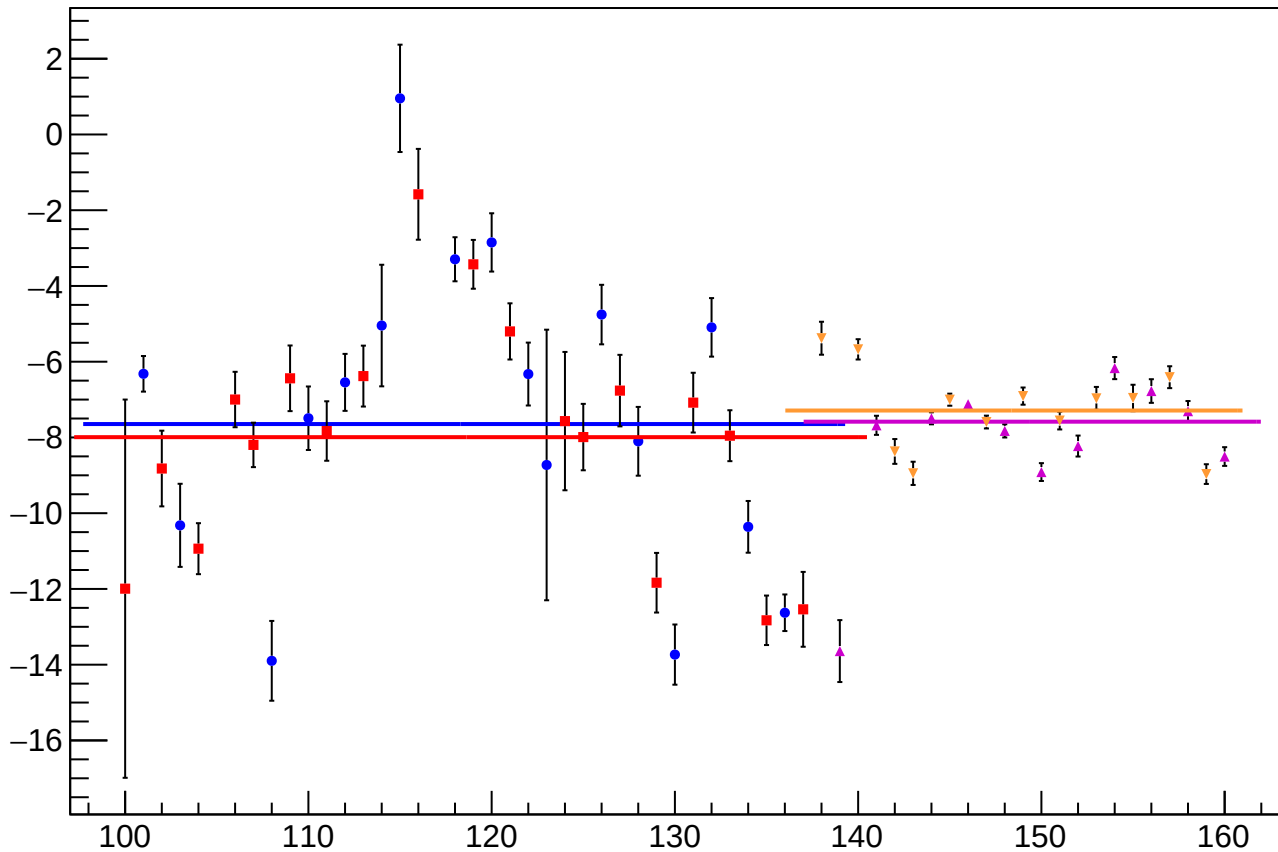


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.560+/-0.104 χ^2/NDF :2683.5/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -20.659+/-0.096 χ^2/NDF :3812.8/10

Left: -21.997+/-0.070 χ^2/NDF : 6917.8/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -20.659+/-0.096 χ^2/NDF :3812.8/10
 Out: -23.560+/-0.104 χ^2/NDF :2683.5/11

All: -21.997+/-0.070 χ^2/NDF : 6917.8/22

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.646 ± 0.186 χ^2/NDF : 393.6/16

Left Out: -7.289 ± 0.071 χ^2/NDF : 159.2/11

Right Out: -7.992 ± 0.186 χ^2/NDF : 225.5/18

Left In: -7.584 ± 0.064 χ^2/NDF : 155.3/10

Left: -7.453 ± 0.048 χ^2/NDF : 323.9/22

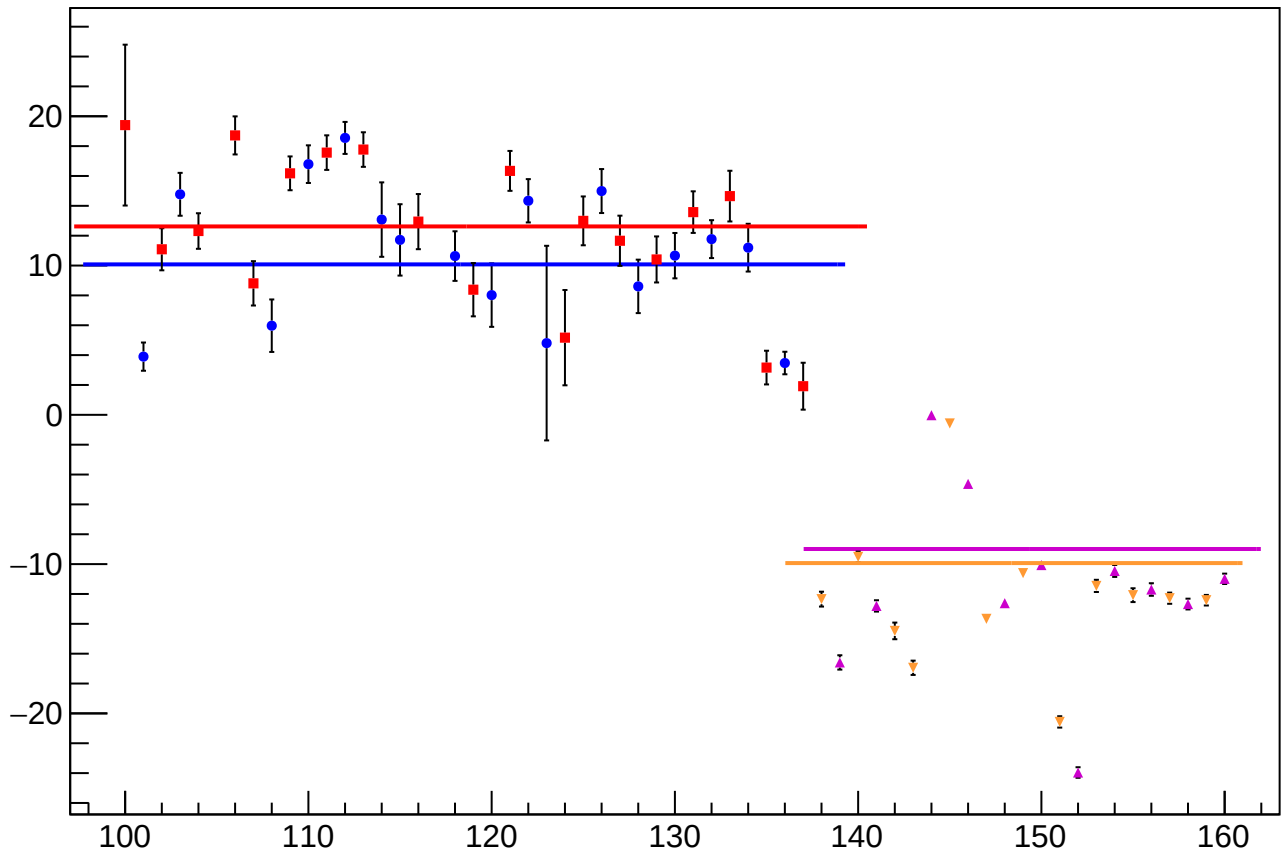
Right: -7.819 ± 0.131 χ^2/NDF : 620.8/35

In: -7.590 ± 0.060 χ^2/NDF : 549.0/27

Out: -7.379 ± 0.067 χ^2/NDF : 397.1/30

All: -7.495 ± 0.045 χ^2/NDF : 951.6/58

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.077 ± 0.337 $\chi^2/\text{NDF}: 252.8/16$

Left Out: -9.931 ± 0.103 $\chi^2/\text{NDF}: 3401.9/11$

Right Out: 12.620 ± 0.332 $\chi^2/\text{NDF}: 220.0/18$

Left In: -8.987 ± 0.094 $\chi^2/\text{NDF}: 4446.1/10$

Left: -9.414 ± 0.069 $\chi^2/\text{NDF}: 7893.7/22$

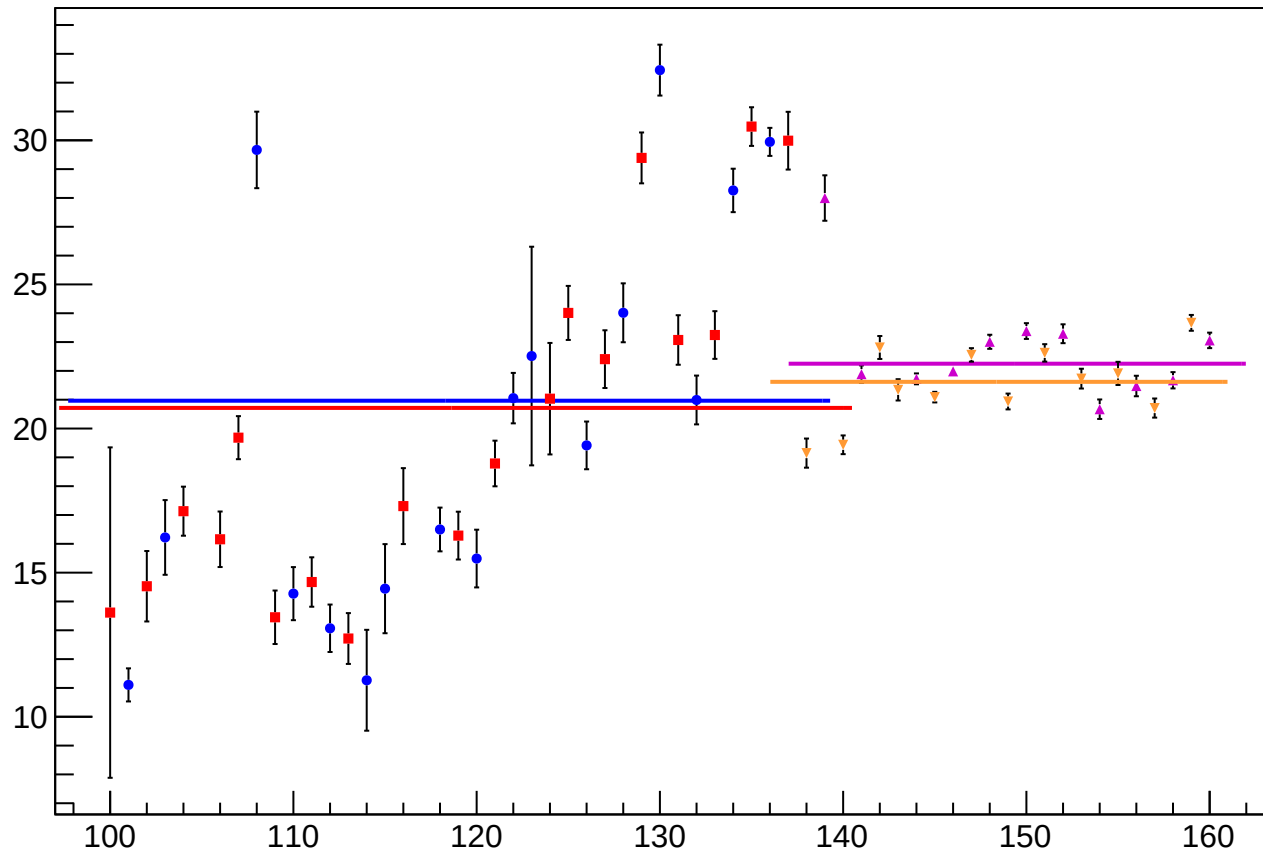
Right: 11.365 ± 0.237 $\chi^2/\text{NDF}: 501.6/35$

In: -7.613 ± 0.090 $\chi^2/\text{NDF}: 7672.5/27$

Out: -7.948 ± 0.099 $\chi^2/\text{NDF}: 7818.8/30$

All: -7.766 ± 0.067 $\chi^2/\text{NDF}: 15497.6/58$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.965 $\pm$ 0.209 χ^2 /NDF: 1225.5/16

Left Out: 21.620 $\pm$ 0.086 χ^2 /NDF:184.0/11

Right Out: 20.716 $\pm$ 0.213 χ^2 /NDF: 729.9/18

Left In: 22.249 $\pm$ 0.077 χ^2 /NDF:142.2/10

Left: 21.969 $\pm$ 0.057 χ^2 /NDF: 356.1/22

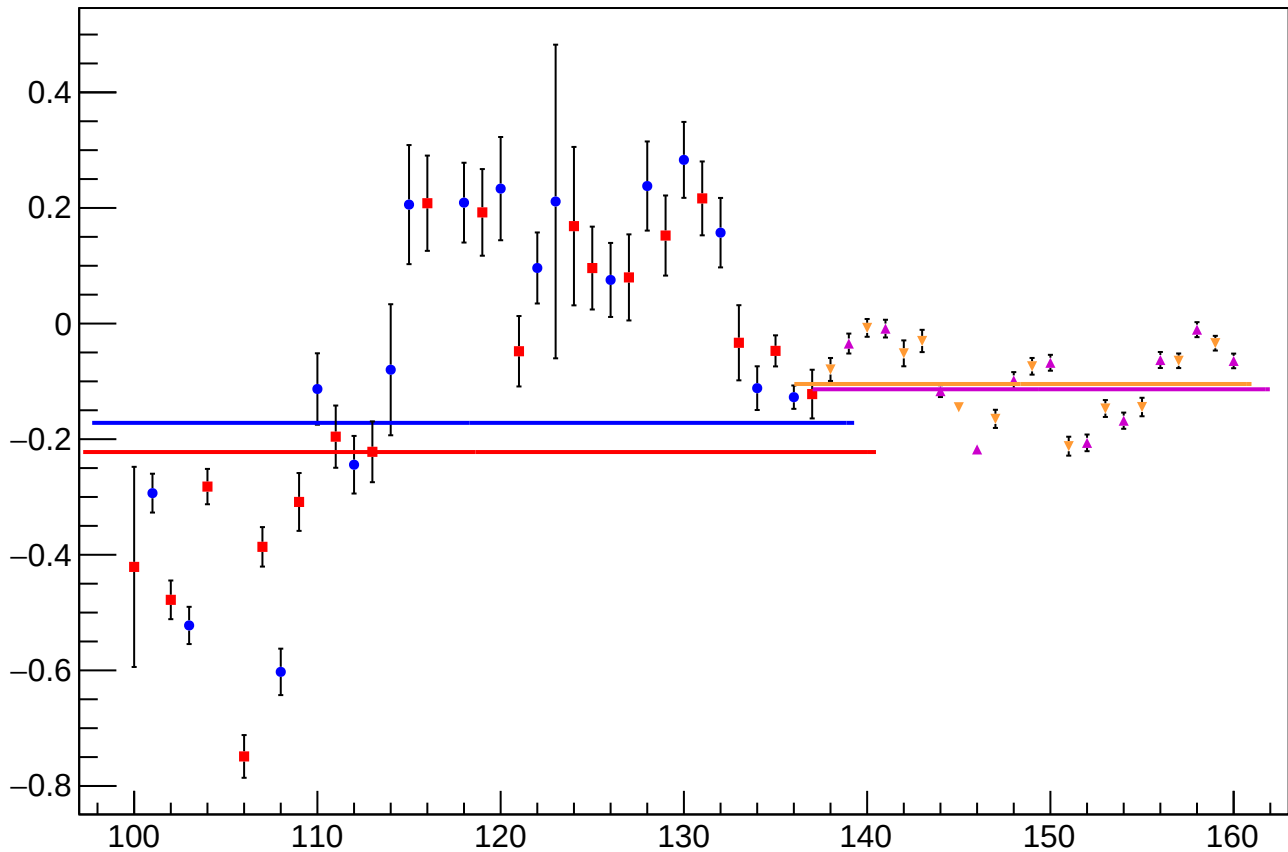
Right: 20.842 $\pm$ 0.149 χ^2 /NDF: 1956.1/35

In: 22.097 $\pm$ 0.072 χ^2 /NDF:1400.8/27

Out: 21.494 $\pm$ 0.079 χ^2 /NDF:929.4/30

All: 21.824 $\pm$ 0.053 χ^2 /NDF: 2361.8/58

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.172 ± 0.011 χ^2/NDF : 464.2/16

Left Out: -0.105 ± 0.004 χ^2/NDF : 204.5/11

Right Out: -0.222 ± 0.011 χ^2/NDF : 536.1/18

Left In: -0.114 ± 0.004 χ^2/NDF : 380.0/10

Left: -0.109 ± 0.003 χ^2/NDF : 587.2/22

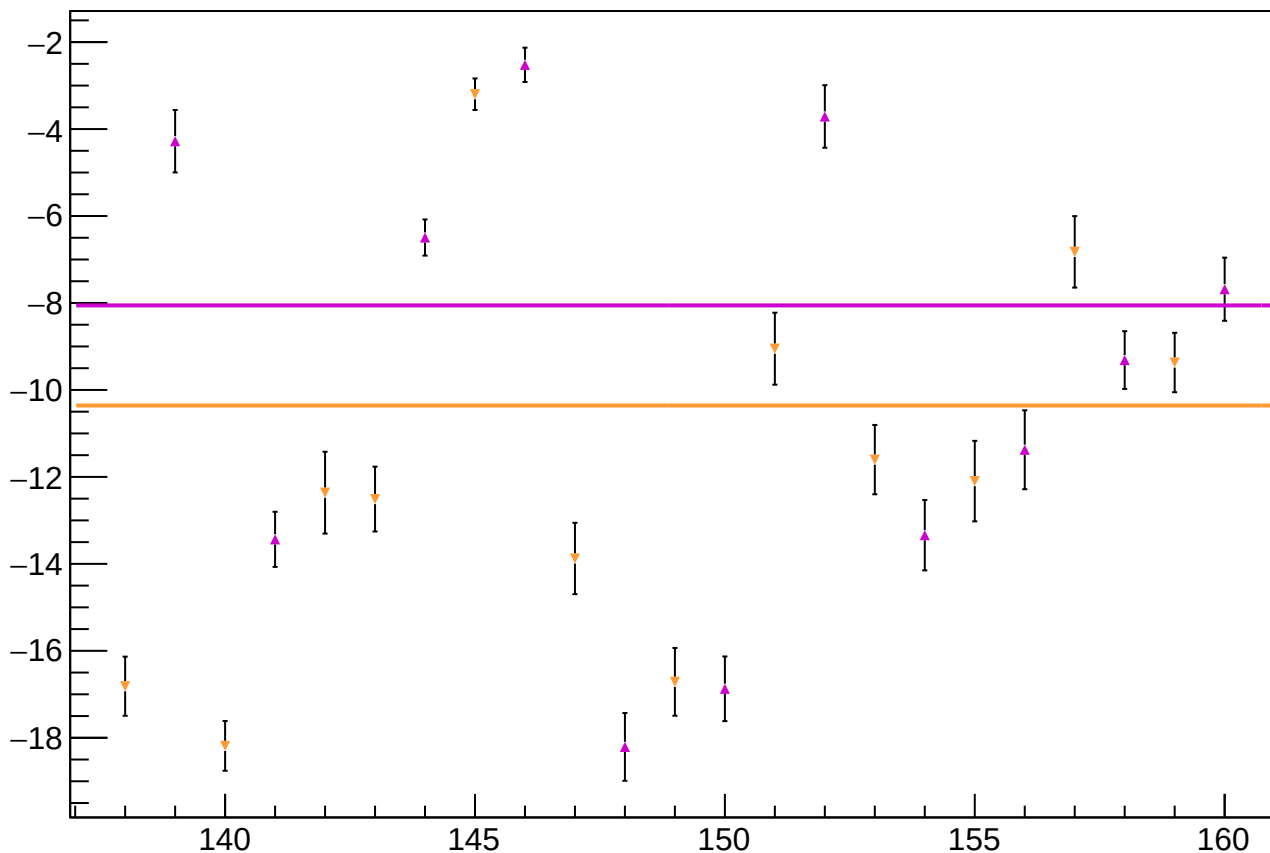
Right: -0.198 ± 0.008 χ^2/NDF : 1010.7/35

In: -0.120 ± 0.004 χ^2/NDF : 868.3/27

Out: -0.119 ± 0.004 χ^2/NDF : 842.2/30

All: -0.119 ± 0.003 χ^2/NDF : 1710.6/58

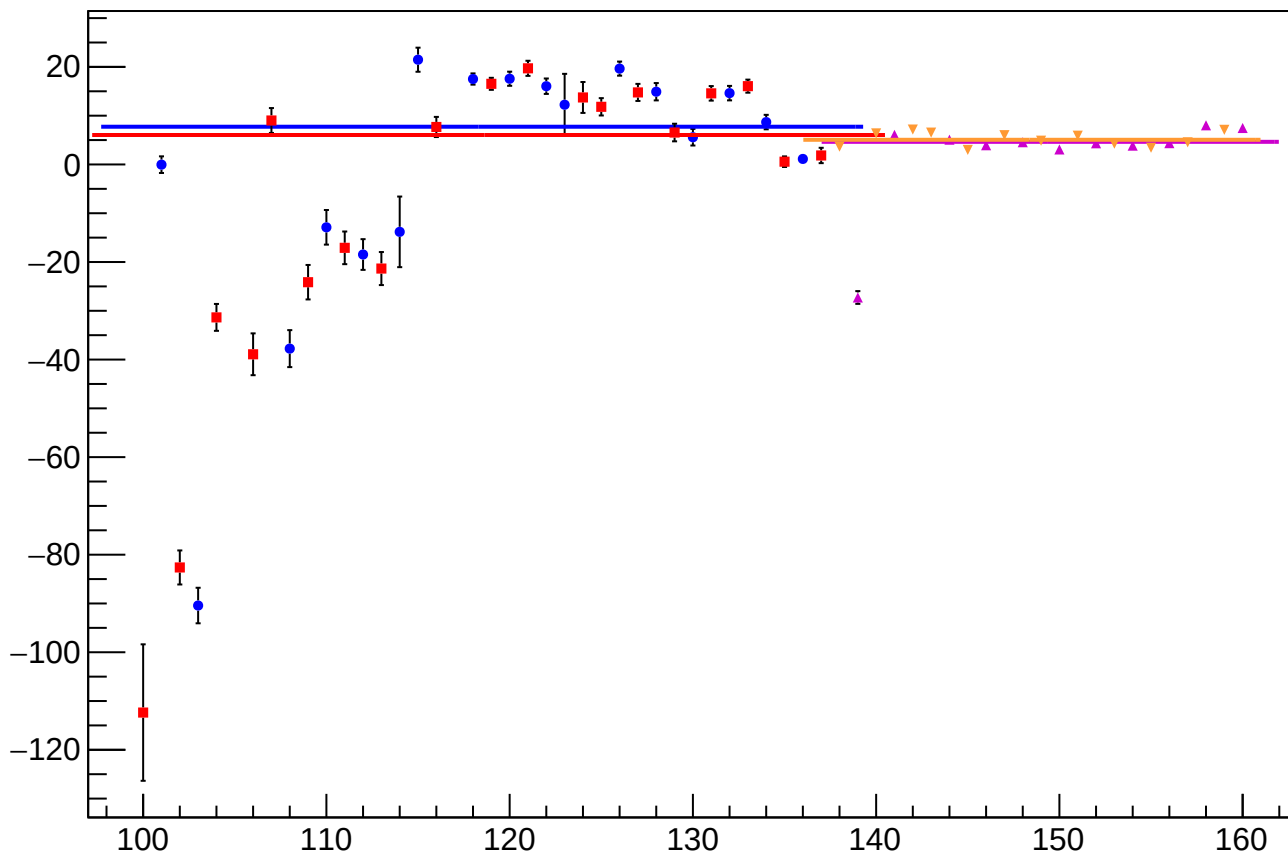
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -10.358+/-0.194 χ^2/NDF :793.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.056+/-0.186 χ^2/NDF :717.3/10

Left: -9.160+/-0.134 χ^2/NDF : 1584.7/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.056+/-0.186 χ^2/NDF :717.3/10
 Out: -10.358+/-0.194 χ^2/NDF :793.8/11
 All: -9.160+/-0.134 χ^2/NDF : 1584.7/22

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 ± 0.403 χ^2/NDF : 1358.4/16

Left Out: 5.057 ± 0.136 χ^2/NDF : 122.7/11

Right Out: 6.040 ± 0.434 χ^2/NDF : 1512.1/18

Left In: 4.639 ± 0.127 χ^2/NDF : 718.9/10

Left: 4.833 ± 0.093 χ^2/NDF : 846.5/22

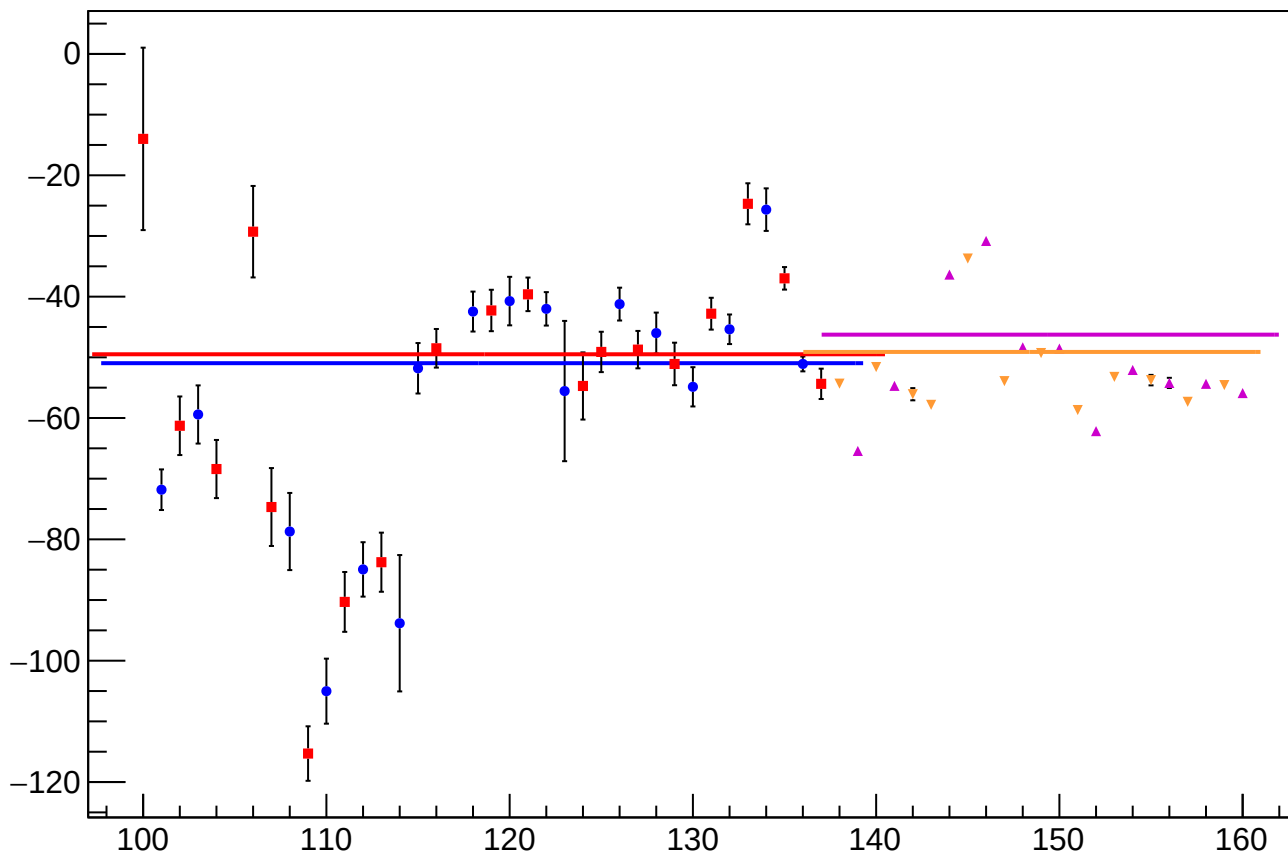
Right: 6.952 ± 0.295 χ^2/NDF : 2878.8/35

In: 4.919 ± 0.121 χ^2/NDF : 2131.1/27

Out: 5.145 ± 0.130 χ^2/NDF : 1639.5/30

All: 5.024 ± 0.089 χ^2/NDF : 3772.2/58

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -50.966 ± 0.738 χ^2/NDF : 332.7/16

Left Out: -49.112 ± 0.195 χ^2/NDF : 2250.8/11

Right Out: -49.497 ± 0.797 χ^2/NDF : 510.4/18

Left In: -46.264 ± 0.183 χ^2/NDF : 3992.1/10

Left: -47.598 ± 0.133 χ^2/NDF : 6356.5/22

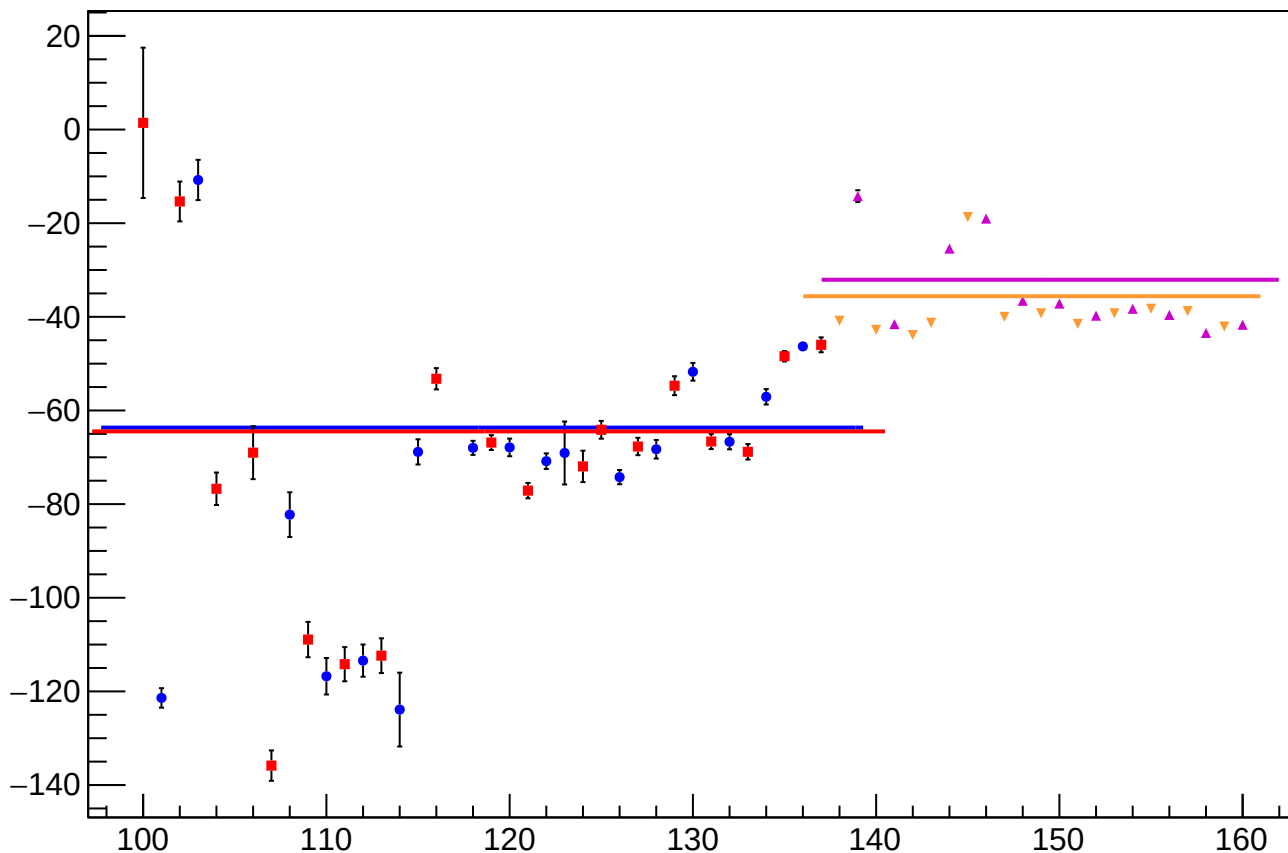
Right: -50.288 ± 0.541 χ^2/NDF : 844.9/35

In: -46.536 ± 0.177 χ^2/NDF : 4363.0/27

Out: -49.133 ± 0.189 χ^2/NDF : 2761.4/30

All: -47.751 ± 0.129 χ^2/NDF : 7224.6/58

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.656 ± 0.445 χ^2/NDF : 2014.7/16

Left Out: -35.598 ± 0.162 χ^2/NDF : 3425.9/11

Right Out: -64.470 ± 0.483 χ^2/NDF : 1606.8/18

Left In: -32.081 ± 0.151 χ^2/NDF : 3988.7/10

Left: -33.718 ± 0.111 χ^2/NDF : 7665.8/22

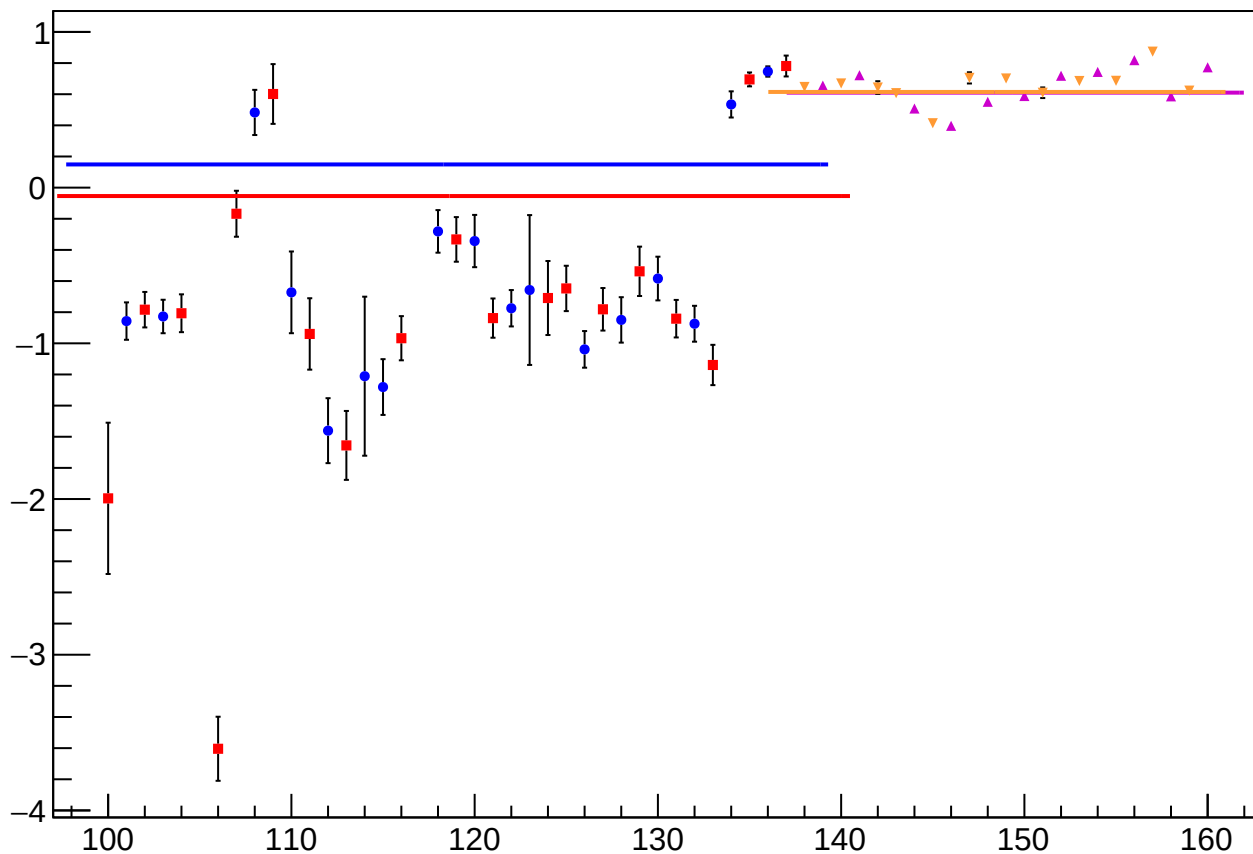
Right: -64.030 ± 0.327 χ^2/NDF : 3623.1/35

In: -35.350 ± 0.143 χ^2/NDF : 10509.4/27

Out: -38.529 ± 0.154 χ^2/NDF : 8249.8/30

All: -36.828 ± 0.105 χ^2/NDF : 18988.0/58

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.149 ± 0.024 χ^2/NDF : 989.9/16

Left Out: 0.615 ± 0.008 χ^2/NDF : 310.5/11

Right Out: -0.054 ± 0.026 χ^2/NDF : 1167.9/18

Left In: 0.610 ± 0.007 χ^2/NDF : 336.3/10

Left: 0.612 ± 0.005 χ^2/NDF : 647.0/22

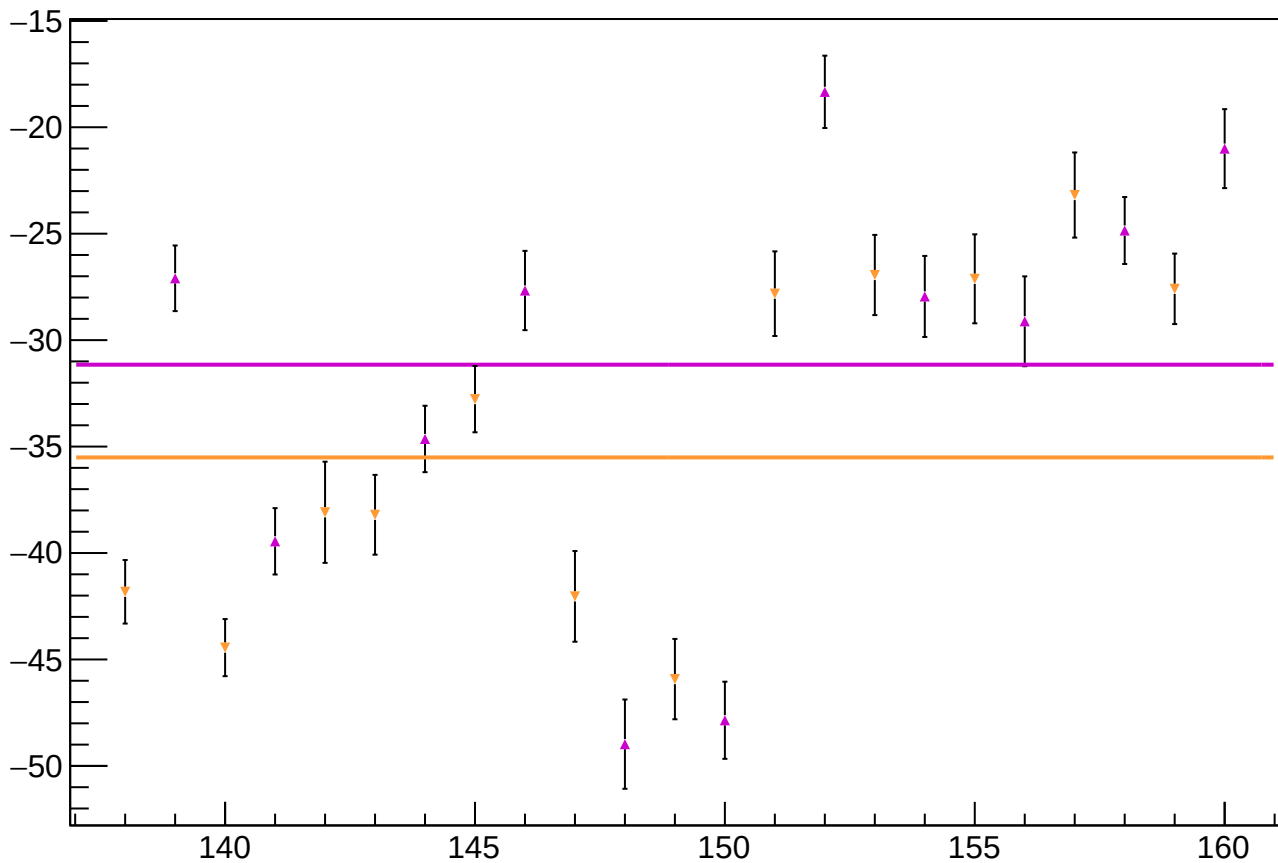
Right: 0.056 ± 0.018 χ^2/NDF : 2190.5/35

In: 0.570 ± 0.007 χ^2/NDF : 1664.4/27

Out: 0.562 ± 0.007 χ^2/NDF : 2078.6/30

All: 0.566 ± 0.005 χ^2/NDF : 3743.6/58

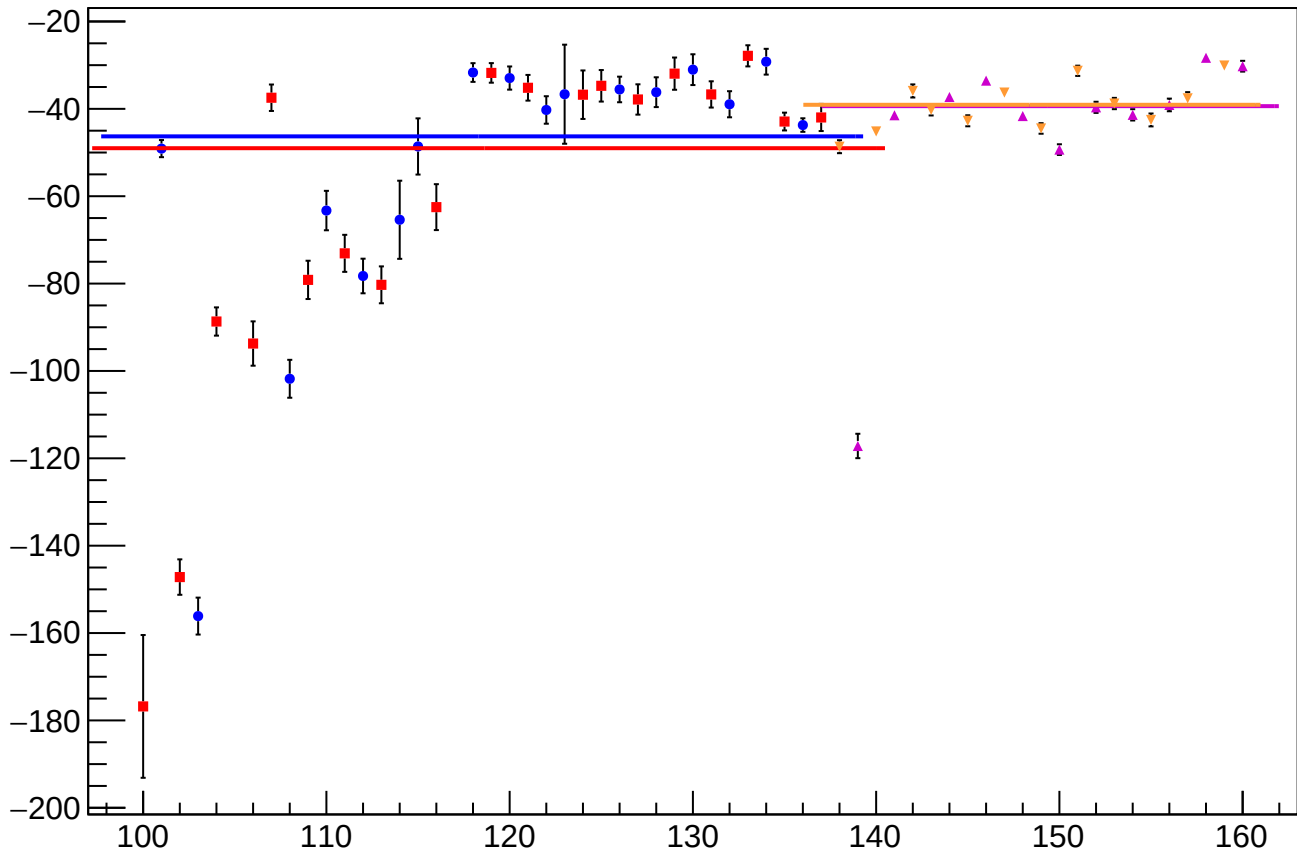
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -35.510+/-0.516 χ^2/NDF :221.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -31.153+/-0.527 χ^2/NDF :307.6/10

Left: -33.377+/-0.368 χ^2/NDF : 563.6/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -31.153+/-0.527 χ^2/NDF :307.6/10
 Out: -35.510+/-0.516 χ^2/NDF :221.0/11
 All: -33.377+/-0.368 χ^2/NDF : 563.6/22

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.300 ± 0.723 $\chi^2/\text{NDF}: 1084.0/16$

Left Out: -39.073 ± 0.361 $\chi^2/\text{NDF}: 227.2/11$

Right Out: -49.008 ± 0.764 $\chi^2/\text{NDF}: 1271.7/18$

Left In: -39.383 ± 0.369 $\chi^2/\text{NDF}: 1043.2/10$

Left: -39.225 ± 0.258 $\chi^2/\text{NDF}: 1270.7/22$

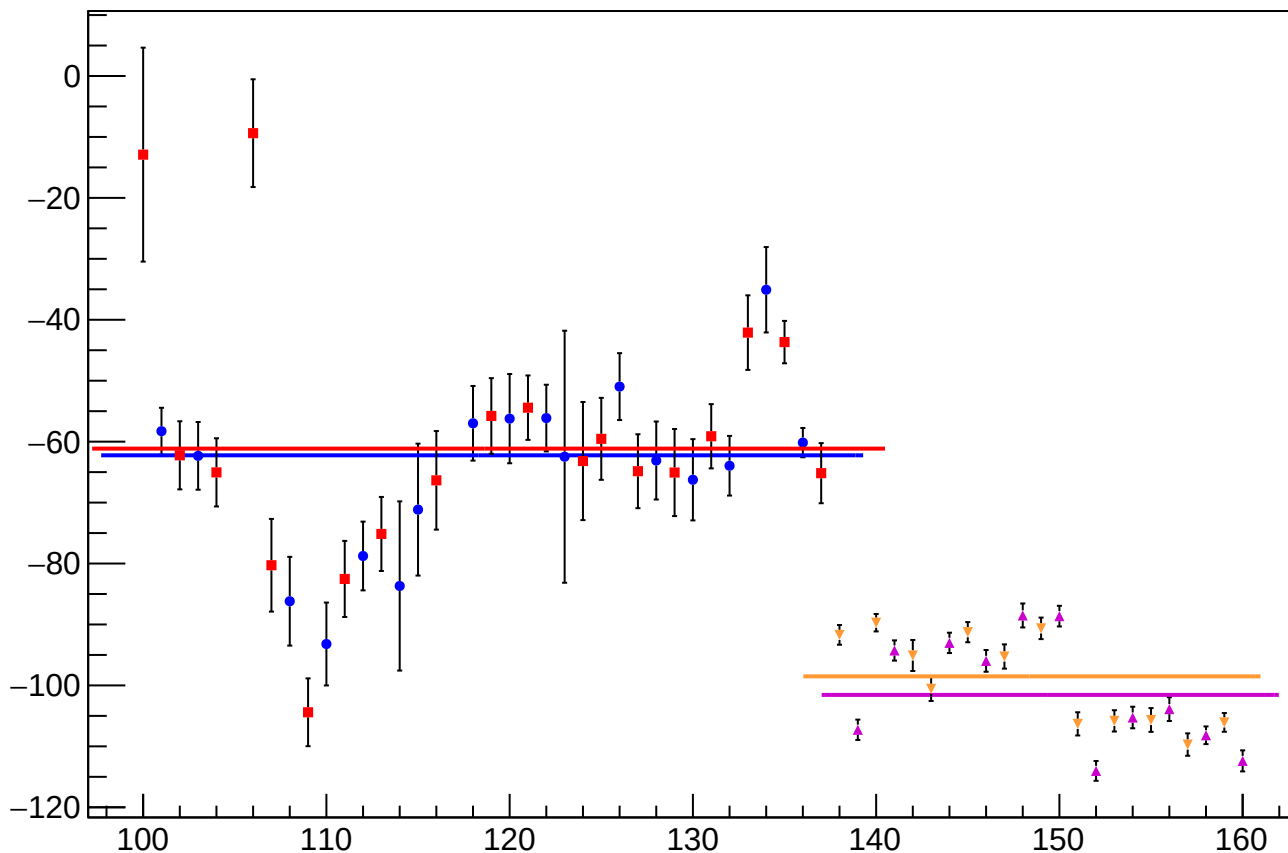
Right: -47.580 ± 0.525 $\chi^2/\text{NDF}: 2362.3/35$

In: -40.815 ± 0.329 $\chi^2/\text{NDF}: 2199.8/27$

Out: -40.888 ± 0.327 $\chi^2/\text{NDF}: 1637.1/30$

All: -40.852 ± 0.232 $\chi^2/\text{NDF}: 3837.0/58$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



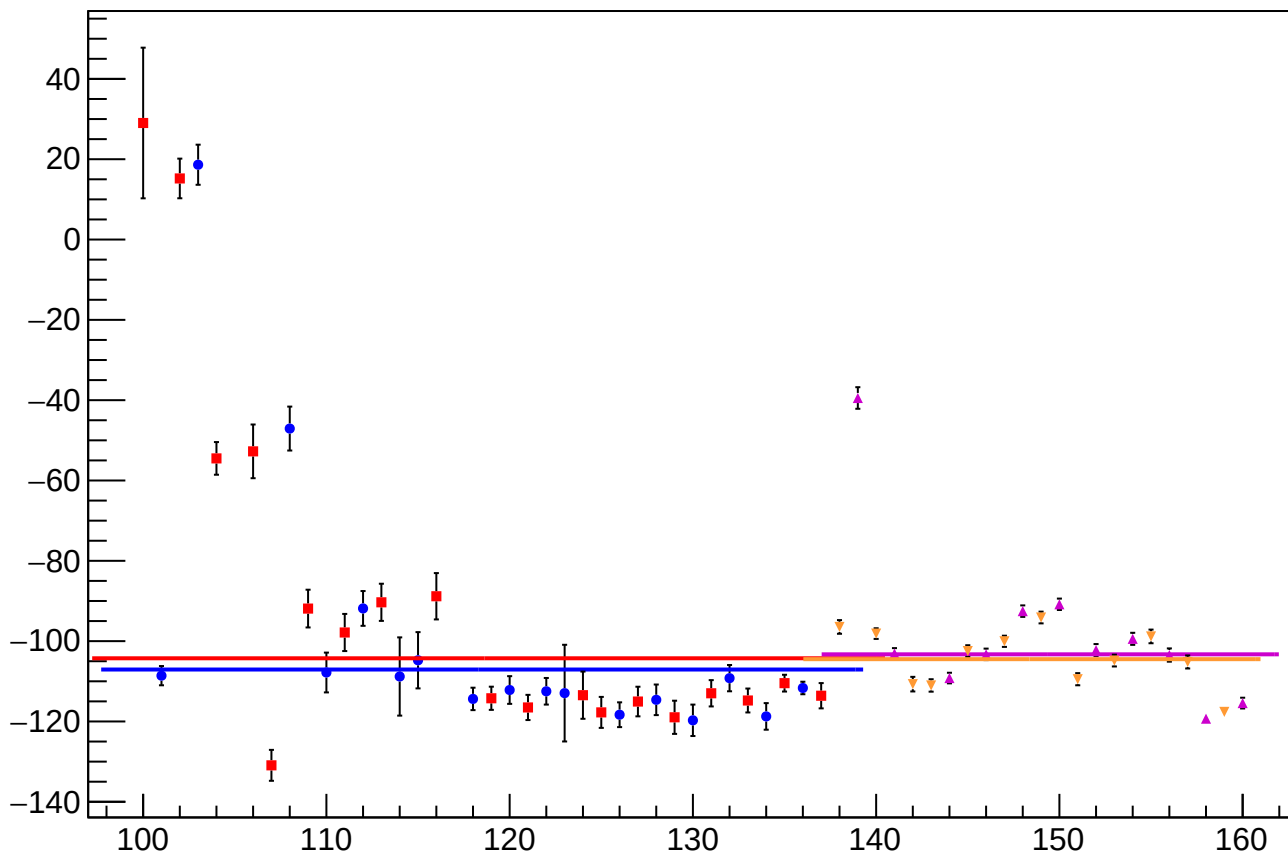
Right In: -62.242 ± 1.310 $\chi^2/\text{NDF}: 67.4/16$
 Left Out: -98.515 ± 0.513 $\chi^2/\text{NDF}: 209.3/11$
 Right Out: -61.142 ± 1.379 $\chi^2/\text{NDF}: 165.6/18$
 Left In: -101.556 ± 0.515 $\chi^2/\text{NDF}: 294.0/10$

Left: -100.030 ± 0.363 $\chi^2/\text{NDF}: 520.8/22$
 Right: -61.720 ± 0.950 $\chi^2/\text{NDF}: 233.3/35$

In: -96.298 ± 0.479 $\chi^2/\text{NDF}: 1141.4/27$
 Out: -93.976 ± 0.481 $\chi^2/\text{NDF}: 1019.7/30$

All: -95.141 ± 0.339 $\chi^2/\text{NDF}: 2172.9/58$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -107.066 ± 0.811 χ^2/NDF : 828.4/16

Left Out: -104.488 ± 0.430 χ^2/NDF : 280.3/11

Right Out: -104.269 ± 0.861 χ^2/NDF : 1018.6/18

Left In: -103.282 ± 0.433 χ^2/NDF : 1004.2/10

Left: -103.890 ± 0.305 χ^2/NDF : 1288.5/22

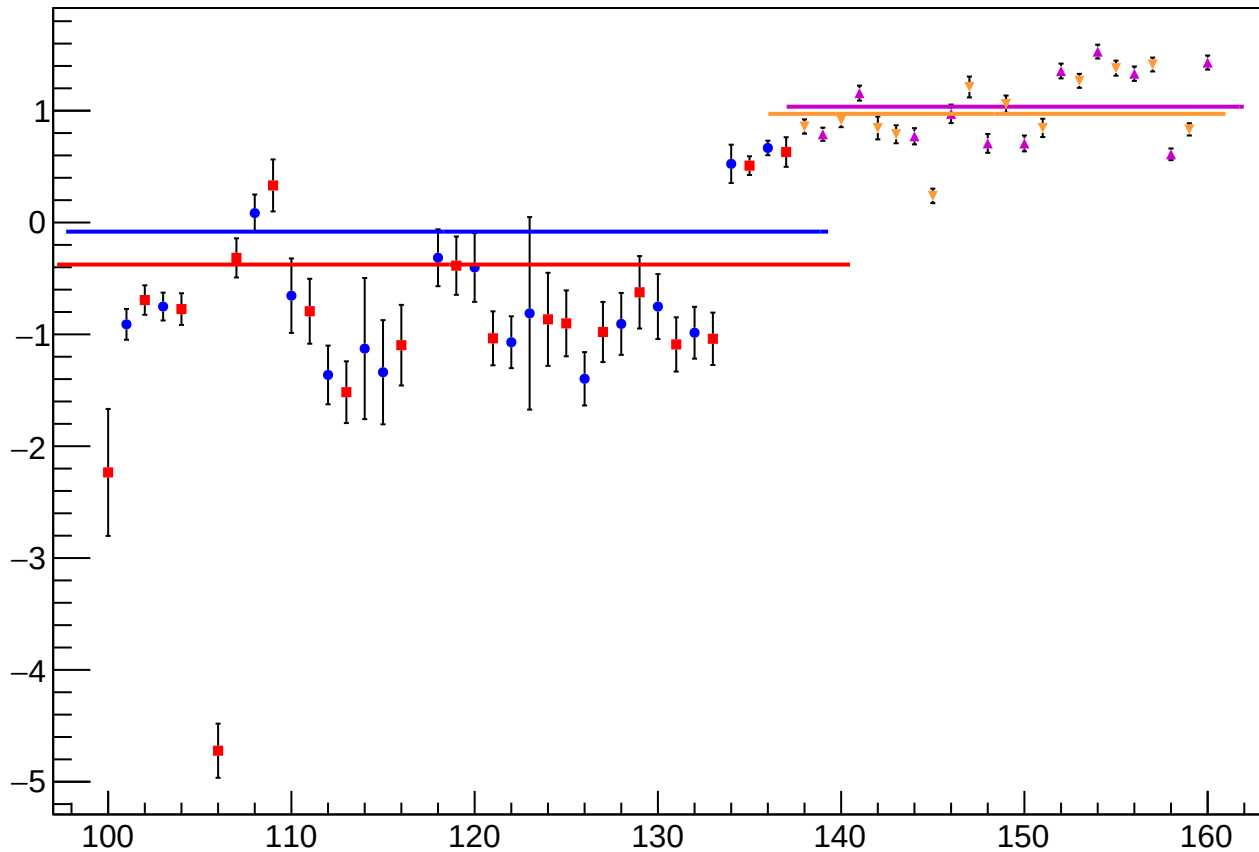
Right: -105.751 ± 0.590 χ^2/NDF : 1852.6/35

In: -104.122 ± 0.382 χ^2/NDF : 1849.5/27

Out: -104.444 ± 0.385 χ^2/NDF : 1299.0/30

All: -104.282 ± 0.271 χ^2/NDF : 3148.9/58

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081 ± 0.042 χ^2/NDF : 329.0/16

Left Out: 0.972 ± 0.020 χ^2/NDF : 264.7/11

Right Out: -0.376 ± 0.044 χ^2/NDF : 583.0/18

Left In: 1.036 ± 0.020 χ^2/NDF : 284.4/10

Left: 1.004 ± 0.014 χ^2/NDF : 554.2/22

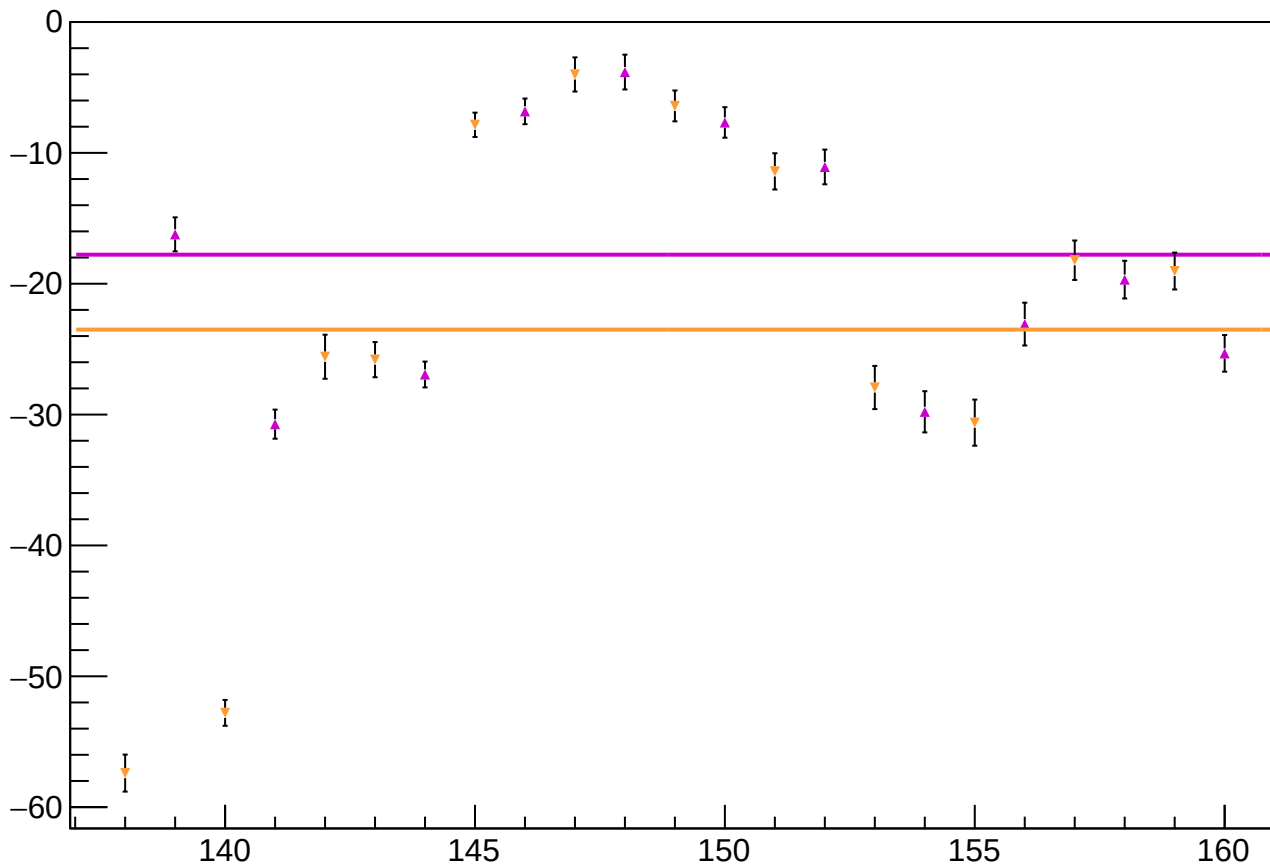
Right: -0.223 ± 0.030 χ^2/NDF : 935.4/35

In: 0.833 ± 0.018 χ^2/NDF : 1187.8/27

Out: 0.739 ± 0.018 χ^2/NDF : 1627.6/30

All: 0.787 ± 0.013 χ^2/NDF : 2828.8/58

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



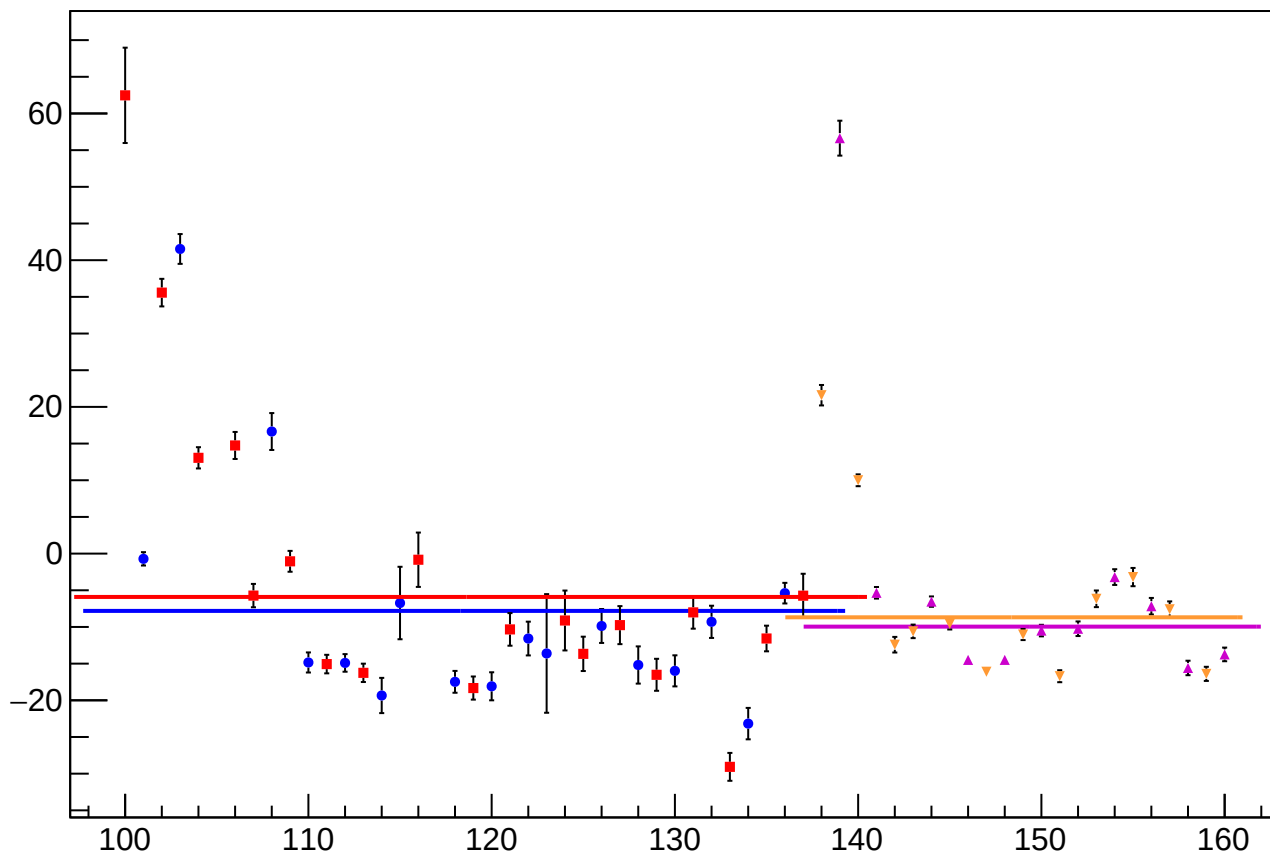
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.505+/-0.377 χ^2/NDF :2292.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -17.780+/-0.375 χ^2/NDF :658.0/10

Left: -20.630+/-0.266 χ^2/NDF : 3066.1/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.780+/-0.375 χ^2/NDF :658.0/10
 Out: -23.505+/-0.377 χ^2/NDF :2292.1/11

All: -20.630+/-0.266 χ^2/NDF : 3066.1/22

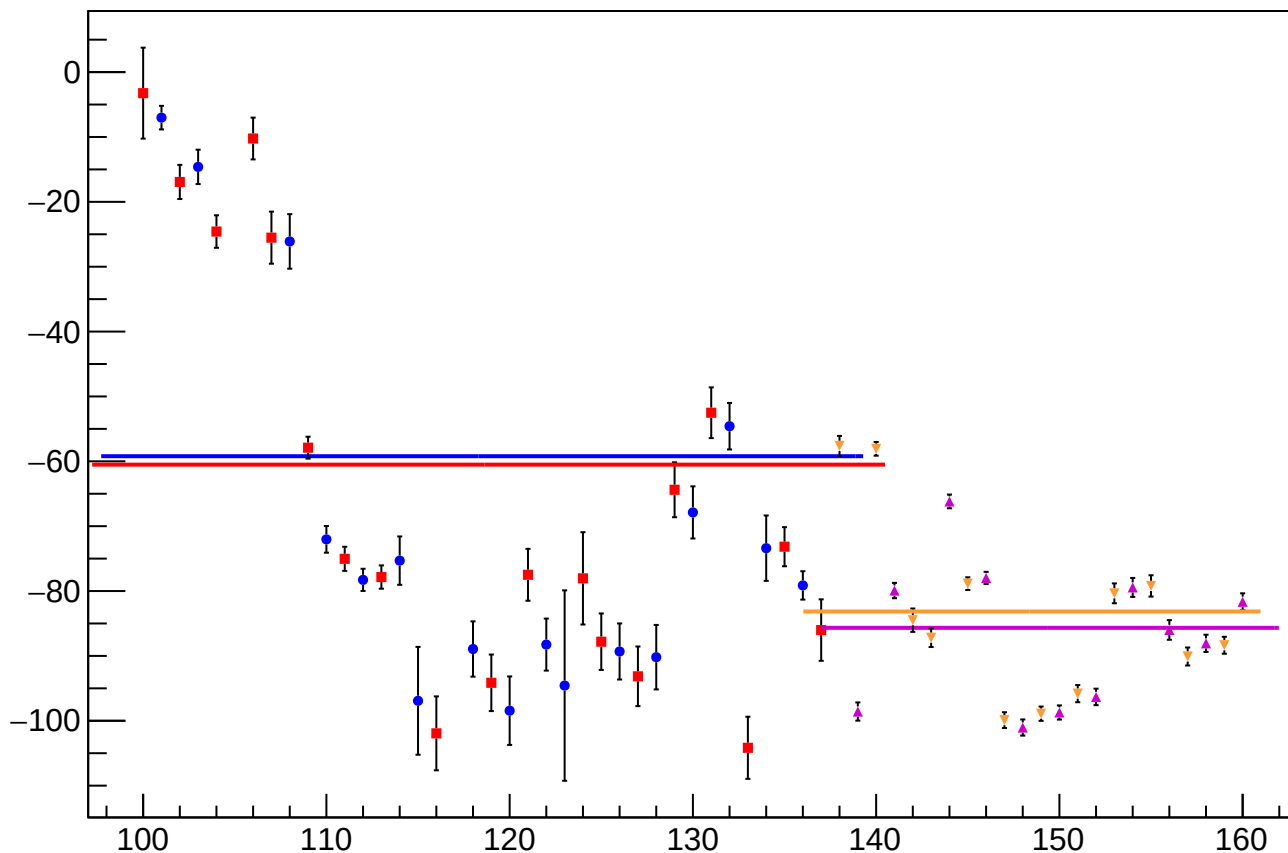
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.812 ± 0.427 $\chi^2/\text{NDF}: 982.8/16$
 Left Out: -8.685 ± 0.258 $\chi^2/\text{NDF}: 1361.4/11$
 Right Out: -5.908 ± 0.429 $\chi^2/\text{NDF}: 1293.1/18$
 Left In: -9.956 ± 0.256 $\chi^2/\text{NDF}: 1038.2/10$

Left: -9.325 ± 0.182 $\chi^2/\text{NDF}: 2411.9/22$
 Right: -6.864 ± 0.303 $\chi^2/\text{NDF}: 2285.7/35$
 In: -9.389 ± 0.220 $\chi^2/\text{NDF}: 2039.5/27$
 Out: -7.947 ± 0.221 $\chi^2/\text{NDF}: 2685.2/30$
 All: -8.673 ± 0.156 $\chi^2/\text{NDF}: 4746.1/58$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.214 ± 0.744 χ^2/NDF : 1720.4/16

Left Out: -83.150 ± 0.375 χ^2/NDF : 1404.5/11

Right Out: -60.513 ± 0.704 χ^2/NDF : 1383.9/18

Left In: -85.673 ± 0.367 χ^2/NDF : 910.7/10

Left: -84.437 ± 0.262 χ^2/NDF : 2338.2/22

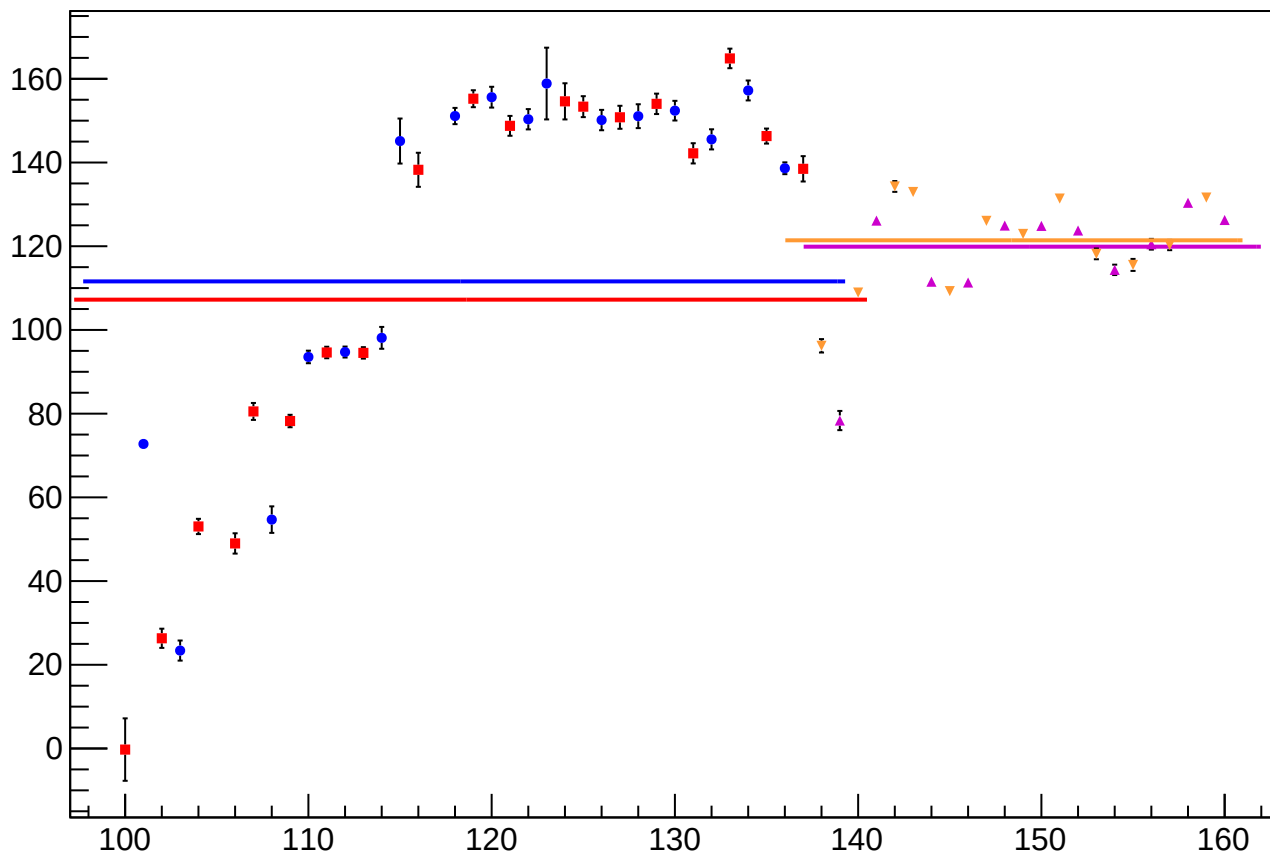
Right: -59.899 ± 0.511 χ^2/NDF : 3105.9/35

In: -80.483 ± 0.329 χ^2/NDF : 3648.4/27

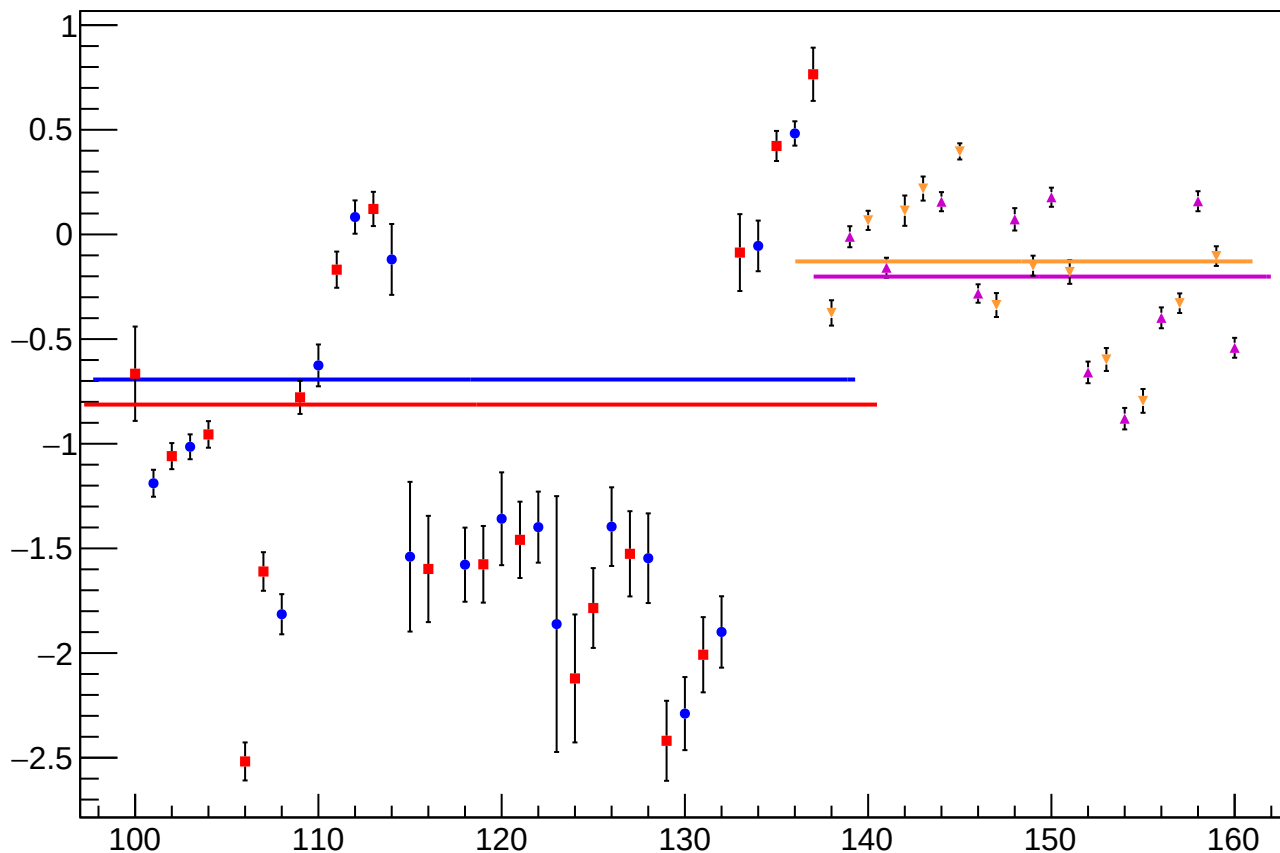
Out: -78.153 ± 0.331 χ^2/NDF : 3593.7/30

All: -79.323 ± 0.233 χ^2/NDF : 7267.0/58

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.693 ± 0.026 χ^2/NDF : 993.1/16

Left Out: -0.129 ± 0.015 χ^2/NDF : 511.7/11

Right Out: -0.813 ± 0.024 χ^2/NDF : 1310.7/18

Left In: -0.201 ± 0.015 χ^2/NDF : 552.4/10

Left: -0.166 ± 0.010 χ^2/NDF : 1076.2/22

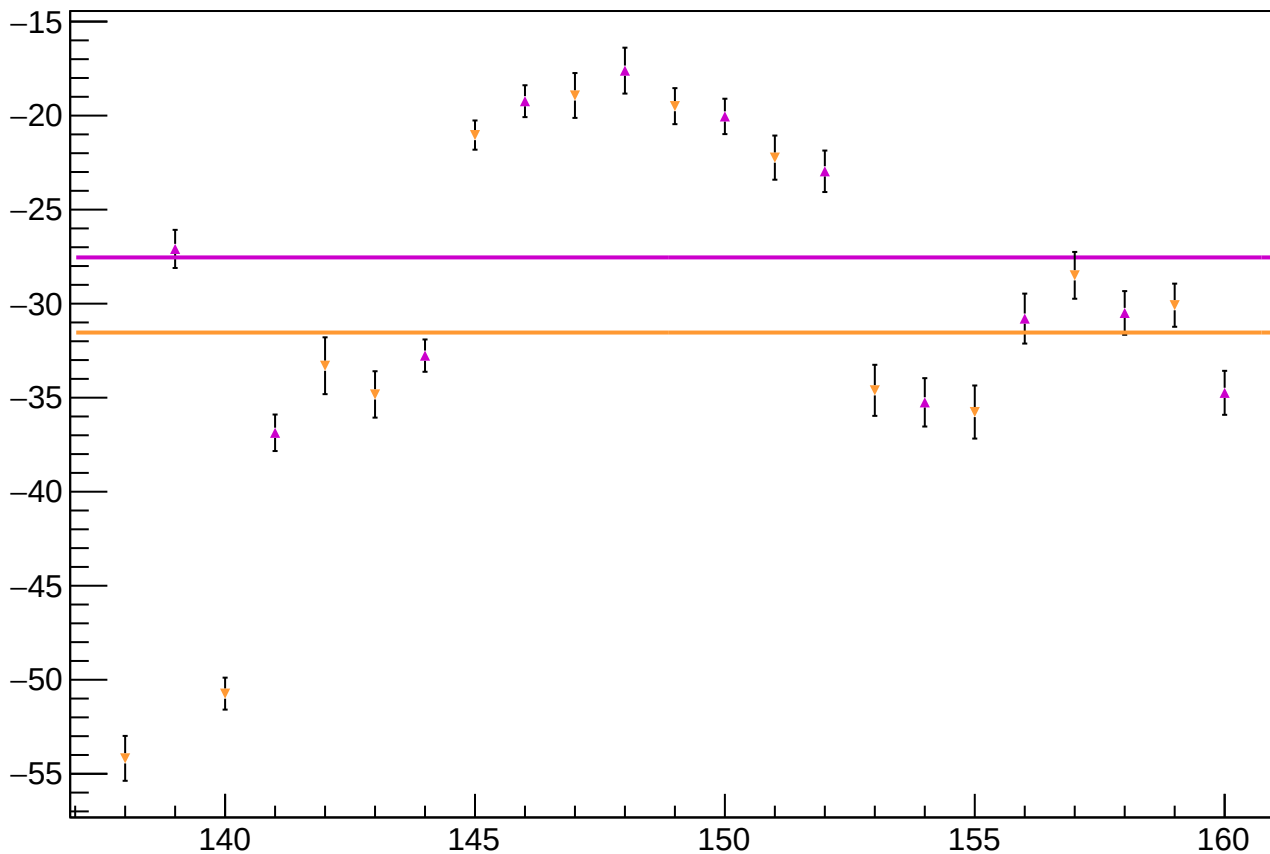
Right: -0.756 ± 0.018 χ^2/NDF : 2315.2/35

In: -0.321 ± 0.013 χ^2/NDF : 1821.1/27

Out: -0.315 ± 0.013 χ^2/NDF : 2397.2/30

All: -0.318 ± 0.009 χ^2/NDF : 4218.4/58

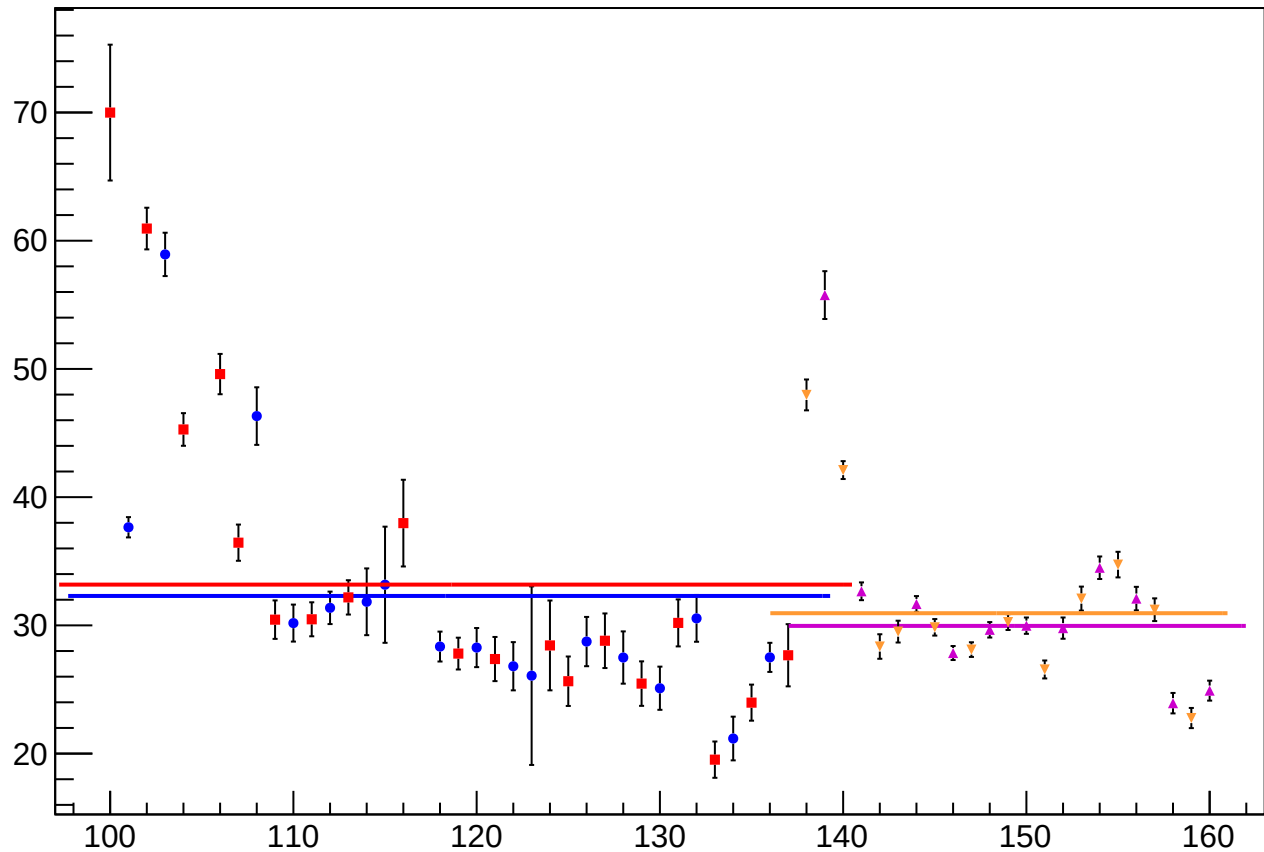
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -31.536+/-0.319 χ^2/NDF :1415.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -27.542+/-0.315 χ^2/NDF :458.8/10

Left: -29.515+/-0.224 χ^2/NDF : 1953.6/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -27.542+/-0.315 χ^2/NDF :458.8/10
 Out: -31.536+/-0.319 χ^2/NDF :1415.6/11
 All: -29.515+/-0.224 χ^2/NDF : 1953.6/22

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.295 ± 0.373 $\chi^2/\text{NDF}: 452.2/16$

Left Out: 30.949 ± 0.221 $\chi^2/\text{NDF}: 658.4/11$

Right Out: 33.180 ± 0.379 $\chi^2/\text{NDF}: 770.3/18$

Left In: 29.959 ± 0.220 $\chi^2/\text{NDF}: 360.7/10$

Left: 30.450 ± 0.156 $\chi^2/\text{NDF}: 1029.2/22$

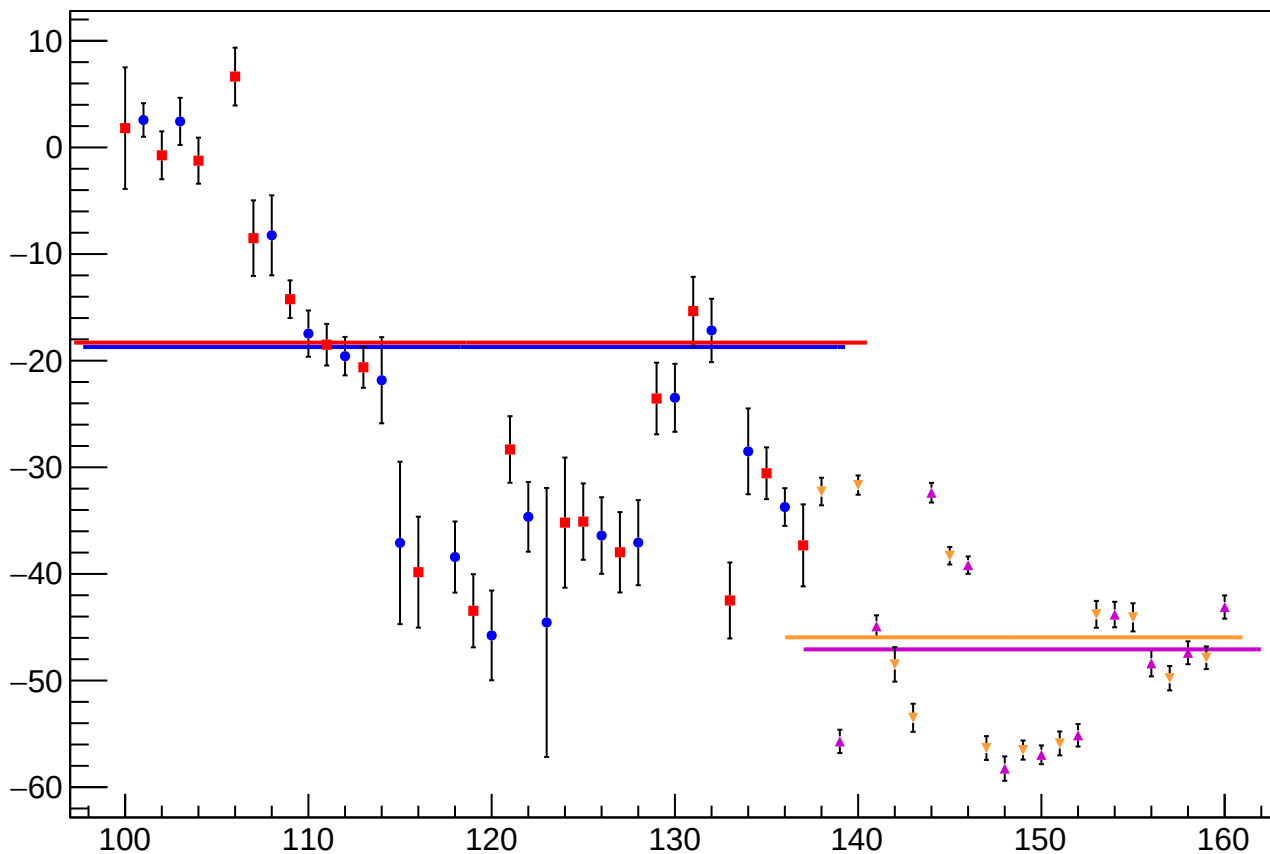
Right: 32.730 ± 0.266 $\chi^2/\text{NDF}: 1225.3/35$

In: 30.561 ± 0.189 $\chi^2/\text{NDF}: 842.1/27$

Out: 31.517 ± 0.191 $\chi^2/\text{NDF}: 1454.5/30$

All: 31.034 ± 0.134 $\chi^2/\text{NDF}: 2309.2/58$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.721 ± 0.665 χ^2/NDF : 519.6/16

Left Out: -45.947 ± 0.317 χ^2/NDF : 807.2/11

Right Out: -18.306 ± 0.644 χ^2/NDF : 472.6/18

Left In: -47.077 ± 0.309 χ^2/NDF : 717.6/10

Left: -46.526 ± 0.221 χ^2/NDF : 1531.4/22

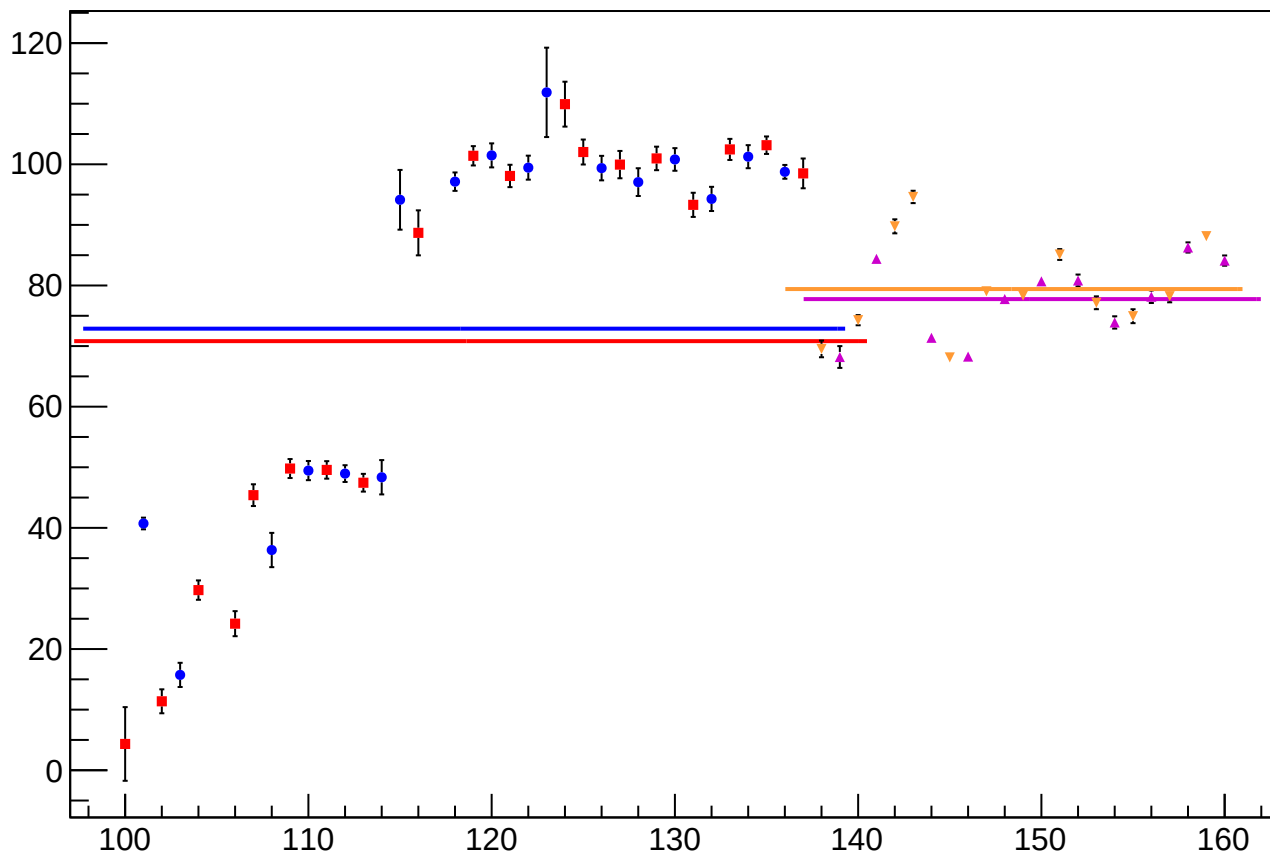
Right: -18.506 ± 0.463 χ^2/NDF : 992.4/35

In: -42.053 ± 0.280 χ^2/NDF : 2731.6/27

Out: -40.555 ± 0.284 χ^2/NDF : 2764.8/30

All: -41.315 ± 0.199 χ^2/NDF : 5510.5/58

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.875+/-0.426 χ^2/NDF : 4737.9/16

Left Out: 79.412+/-0.265 χ^2/NDF : 798.5/11

Right Out: 70.815+/-0.433 χ^2/NDF : 5489.3/18

Left In: 77.754+/-0.260 χ^2/NDF : 565.5/10

Left: 78.565+/-0.185 χ^2/NDF : 1384.0/22

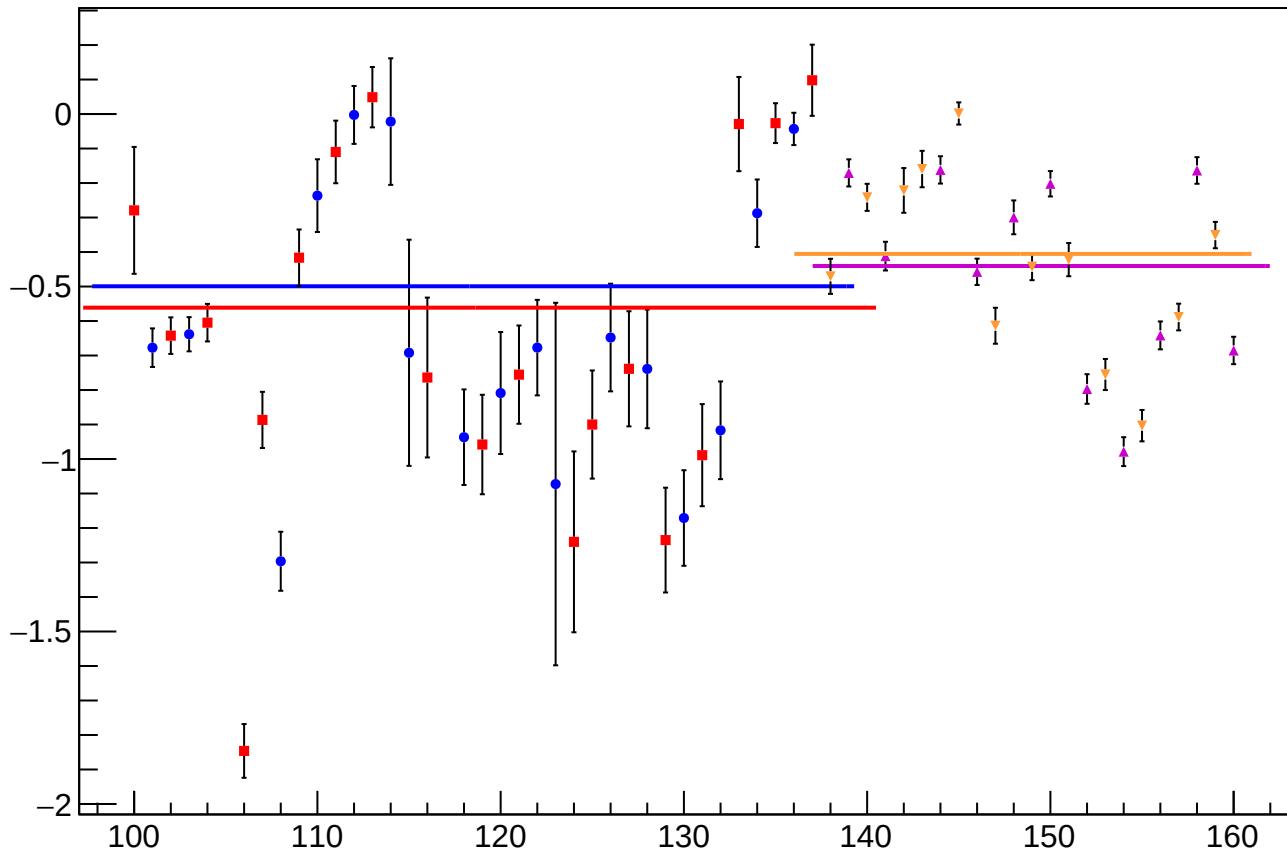
Right: 71.863+/-0.304 χ^2/NDF : 10238.7/35

In: 76.432+/-0.222 χ^2/NDF : 5399.1/27

Out: 77.071+/-0.226 χ^2/NDF : 6574.4/30

All: 76.745+/-0.158 χ^2/NDF : 11977.6/58

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.499 ± 0.022 χ^2/NDF : 303.5/16

Left Out: -0.405 ± 0.013 χ^2/NDF : 430.5/11

Right Out: -0.561 ± 0.021 χ^2/NDF : 562.3/18

Left In: -0.441 ± 0.012 χ^2/NDF : 495.9/10

Left: -0.423 ± 0.009 χ^2/NDF : 930.5/22

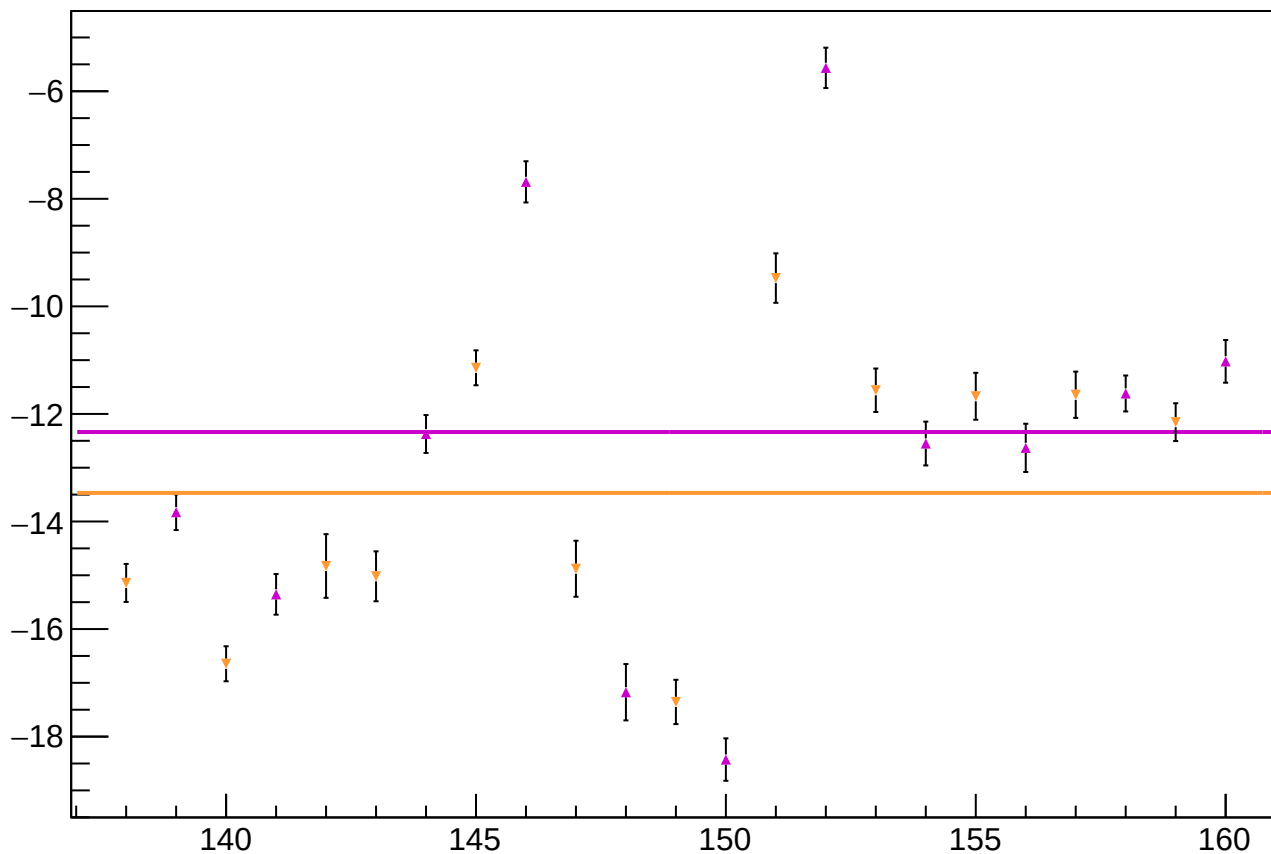
Right: -0.532 ± 0.015 χ^2/NDF : 869.9/35

In: -0.454 ± 0.011 χ^2/NDF : 804.7/27

Out: -0.445 ± 0.011 χ^2/NDF : 1032.4/30

All: -0.450 ± 0.008 χ^2/NDF : 1837.5/58

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



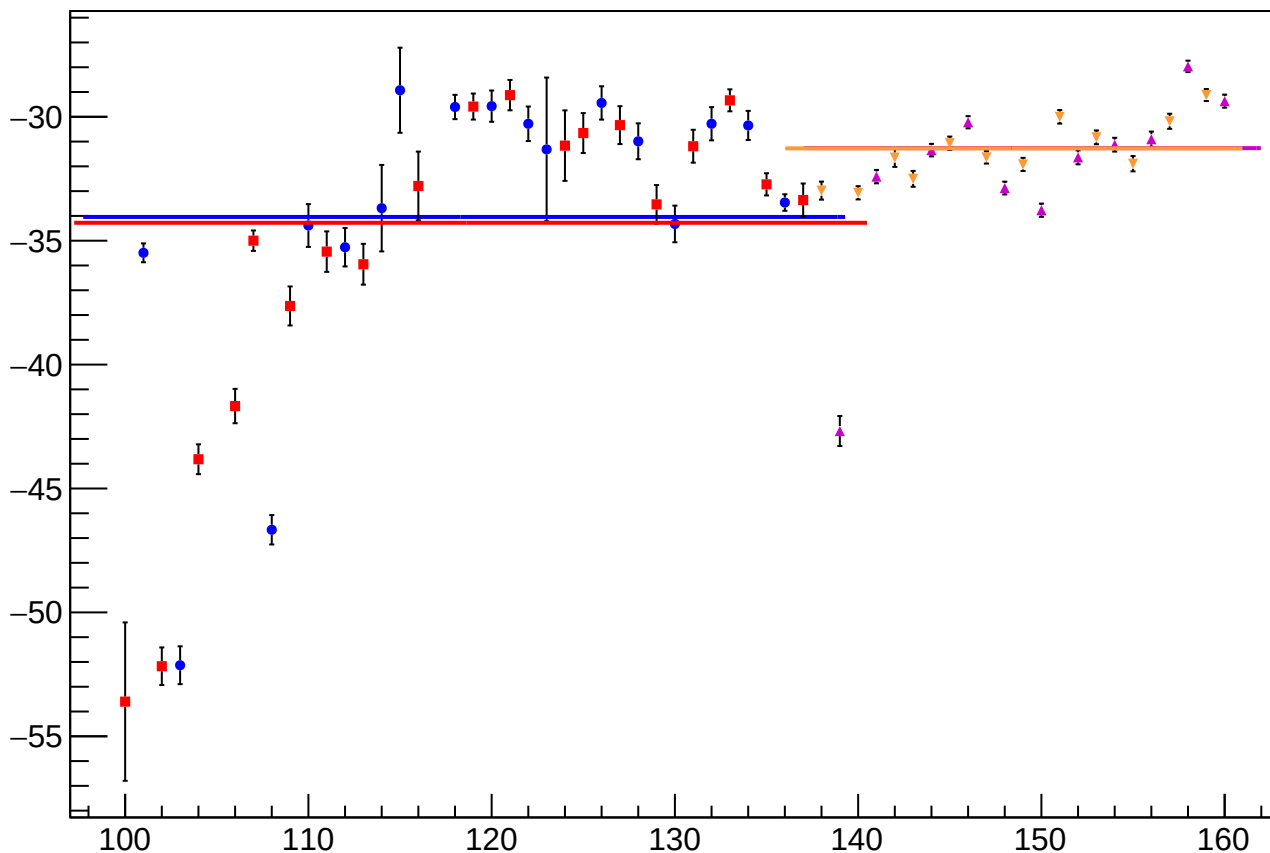
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -13.469+/-0.117 χ^2/NDF : 428.5/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.336+/-0.116 χ^2/NDF : 896.3/10

Left: -12.900+/-0.082 χ^2/NDF : 1372.2/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.336+/-0.116 χ^2/NDF : 896.3/10
 Out: -13.469+/-0.117 χ^2/NDF : 428.5/11

All: -12.900+/-0.082 χ^2/NDF : 1372.2/22

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.042 ± 0.151 $\chi^2/\text{NDF}: 1340.8/16$

Left Out: -31.273 ± 0.082 $\chi^2/\text{NDF}: 211.6/11$

Right Out: -34.277 ± 0.151 $\chi^2/\text{NDF}: 1349.5/18$

Left In: -31.265 ± 0.083 $\chi^2/\text{NDF}: 778.8/10$

Left: -31.269 ± 0.058 $\chi^2/\text{NDF}: 990.4/22$

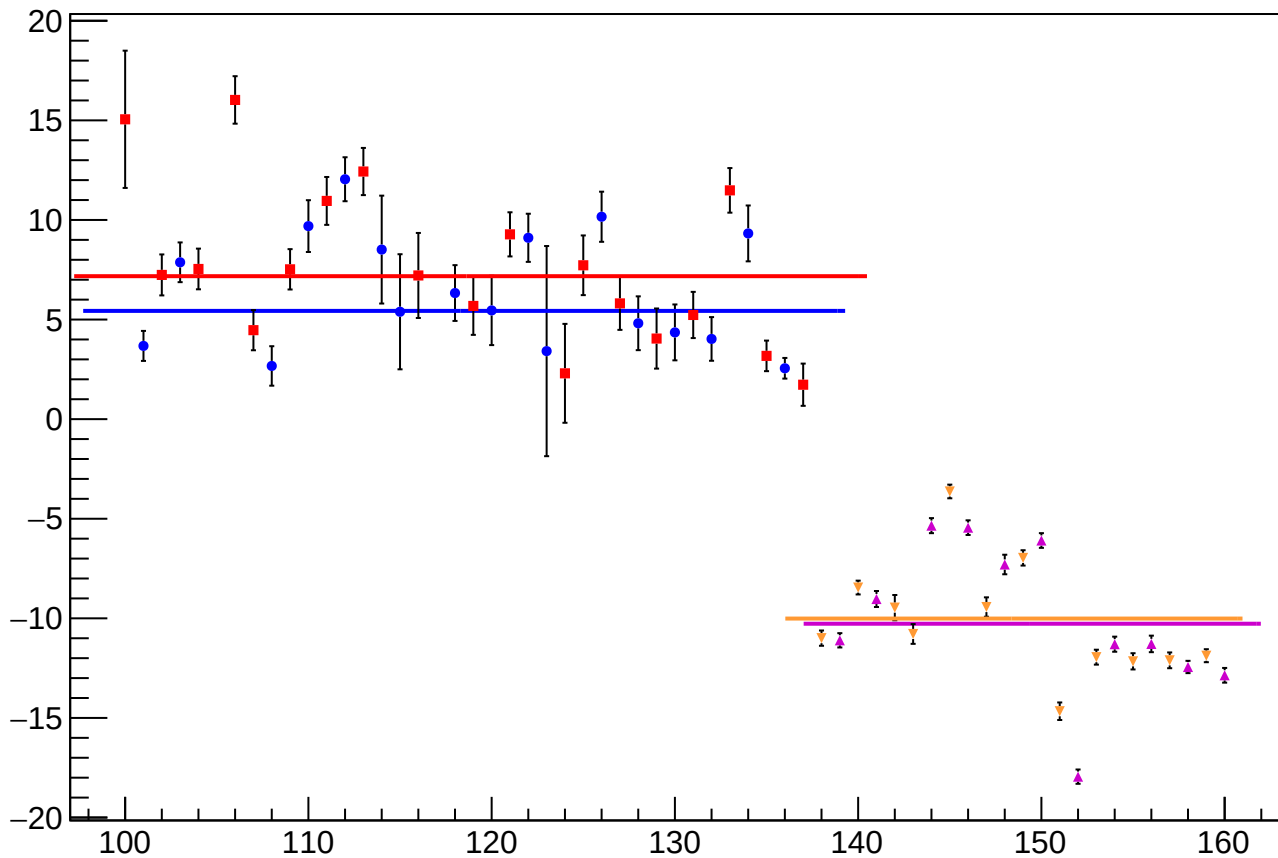
Right: -34.159 ± 0.107 $\chi^2/\text{NDF}: 2691.4/35$

In: -31.906 ± 0.072 $\chi^2/\text{NDF}: 2380.8/27$

Out: -31.965 ± 0.072 $\chi^2/\text{NDF}: 1866.2/30$

All: -31.935 ± 0.051 $\chi^2/\text{NDF}: 4247.4/58$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.435 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -10.011 ± 0.115 χ^2/NDF : 666.8/11

Right Out: 7.177 ± 0.274 χ^2/NDF : 182.6/18

Left In: -10.271 ± 0.113 χ^2/NDF : 1090.8/10

Left: -10.143 ± 0.081 χ^2/NDF : 1760.2/22

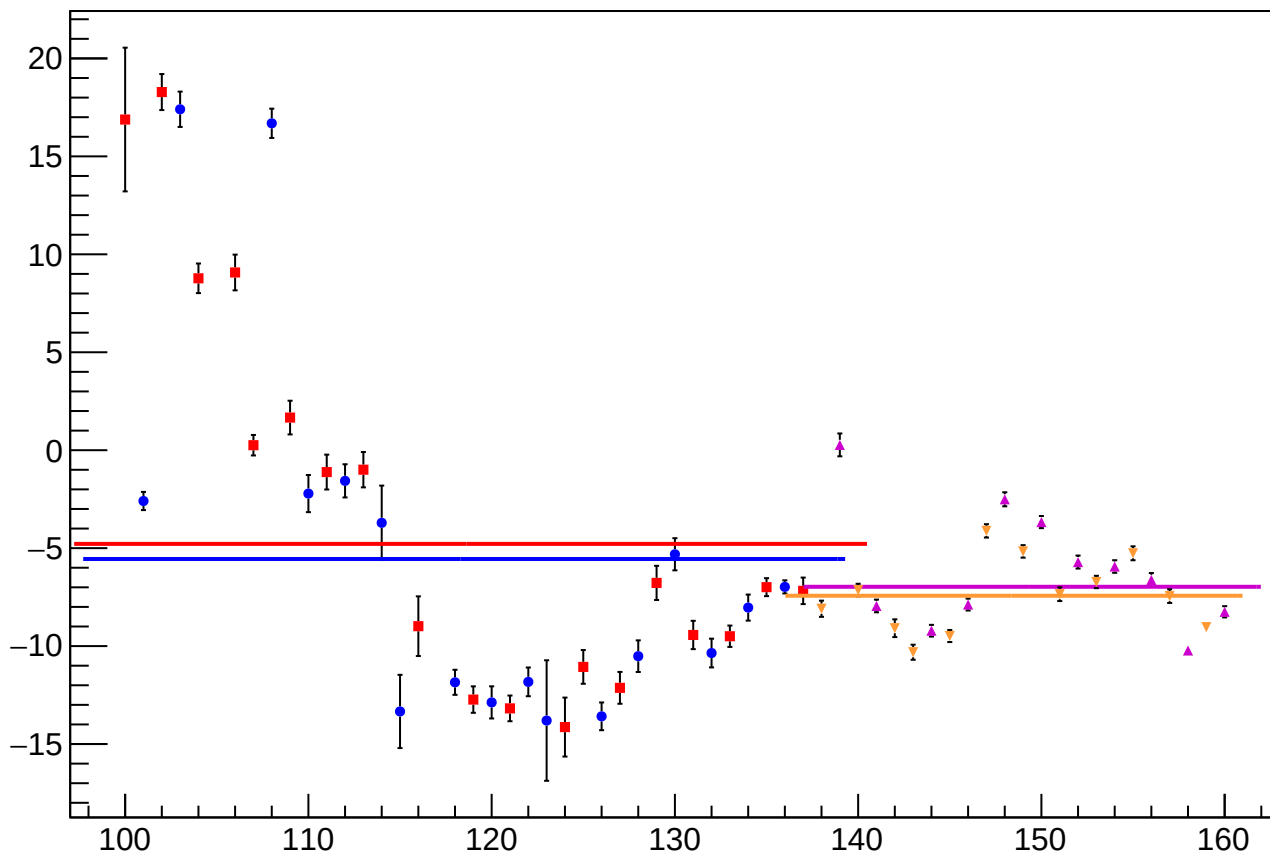
Right: 6.291 ± 0.192 χ^2/NDF : 335.1/35

In: -7.920 ± 0.104 χ^2/NDF : 4109.3/27

Out: -7.429 ± 0.106 χ^2/NDF : 4189.4/30

All: -7.679 ± 0.074 χ^2/NDF : 8309.6/58

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.553 ± 0.170 χ^2/NDF : 2125.3/16

Left Out: -7.429 ± 0.097 χ^2/NDF : 343.2/11

Right Out: -4.782 ± 0.173 χ^2/NDF : 2040.4/18

Left In: -6.972 ± 0.096 χ^2/NDF : 723.2/10

Left: -7.198 ± 0.068 χ^2/NDF : 1077.6/22

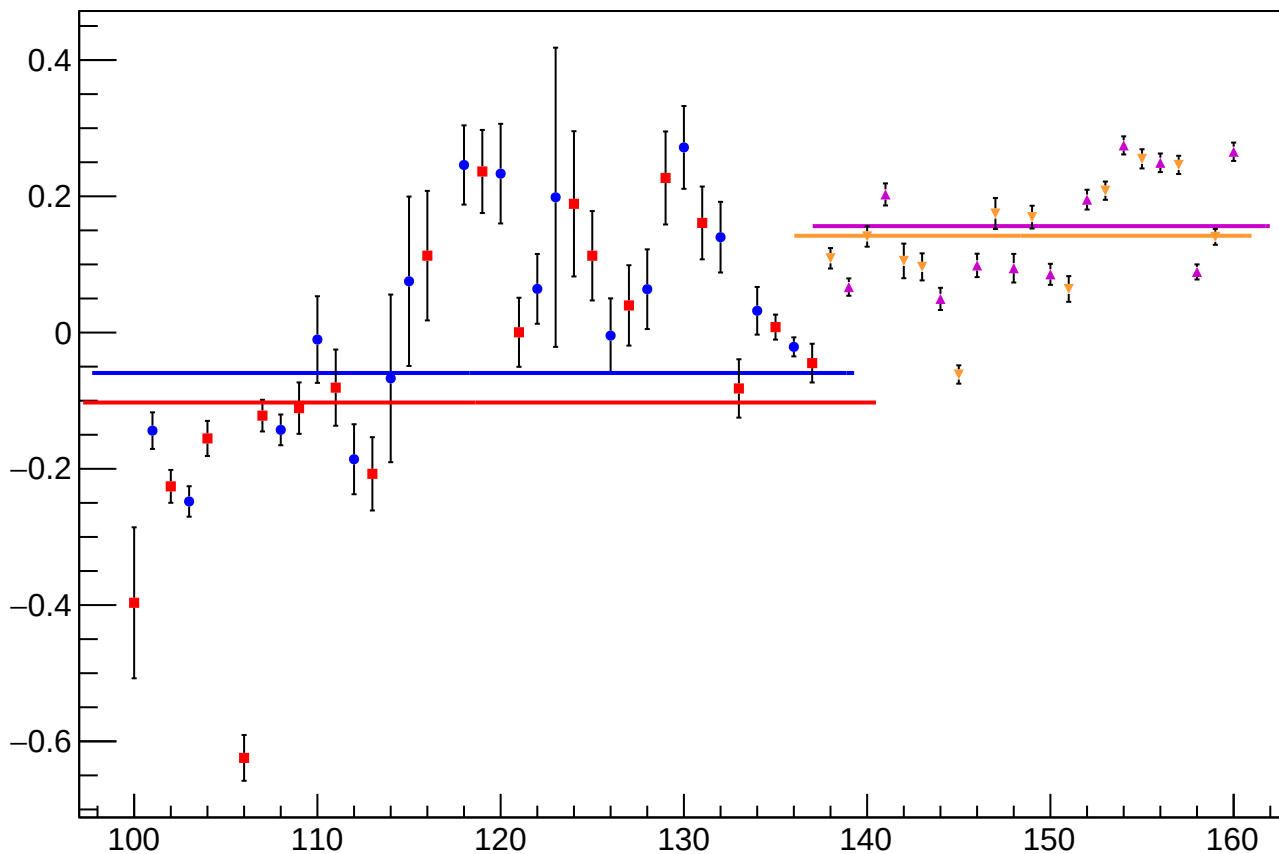
Right: -5.174 ± 0.121 χ^2/NDF : 4175.8/35

In: -6.629 ± 0.084 χ^2/NDF : 2901.4/27

Out: -6.792 ± 0.085 χ^2/NDF : 2561.9/30

All: -6.709 ± 0.059 χ^2/NDF : 5465.1/58

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.008 χ^2/NDF : 217.6/16

Left Out: 0.142 ± 0.004 χ^2/NDF : 412.7/11

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.5/18

Left In: 0.156 ± 0.004 χ^2/NDF : 376.9/10

Left: 0.149 ± 0.003 χ^2/NDF : 794.9/22

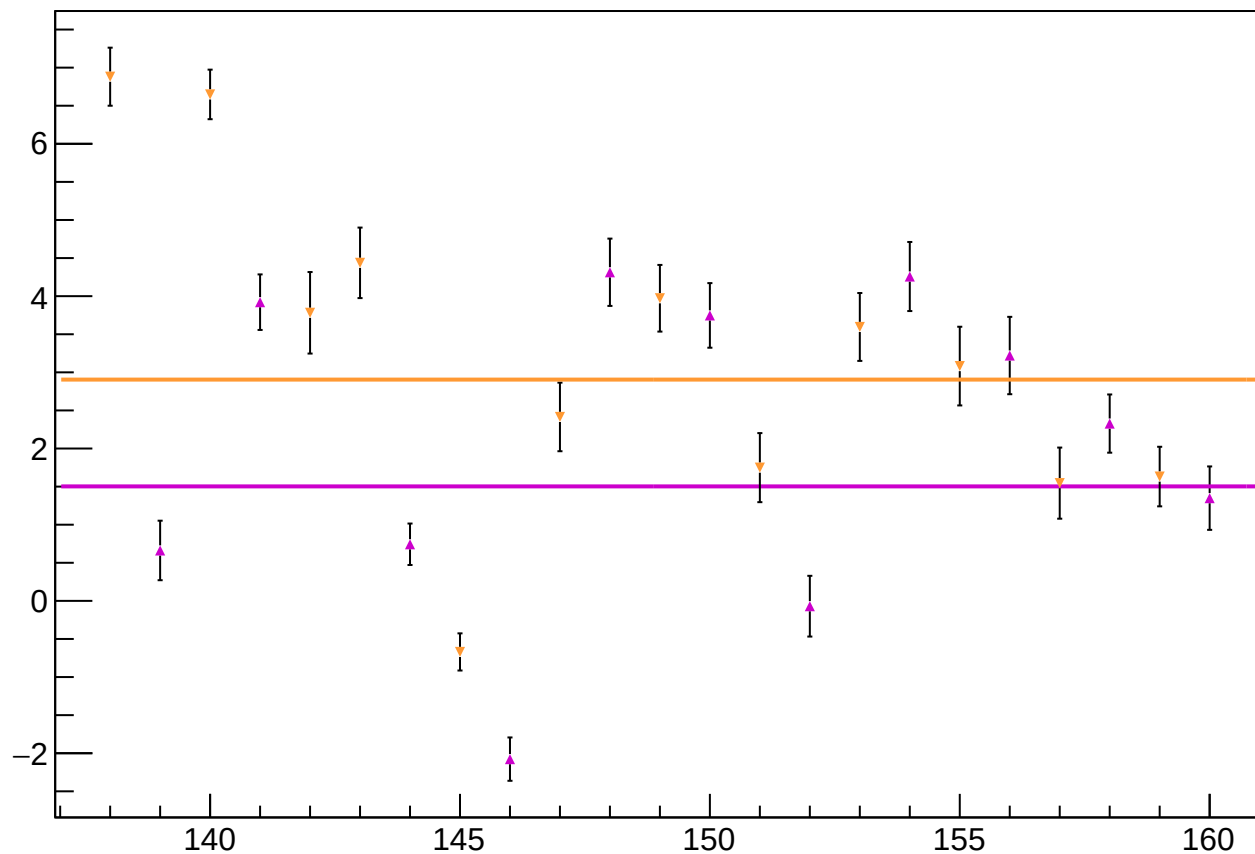
Right: -0.081 ± 0.006 χ^2/NDF : 666.4/35

In: 0.111 ± 0.004 χ^2/NDF : 1115.3/27

Out: 0.089 ± 0.004 χ^2/NDF : 1508.3/30

All: 0.100 ± 0.003 χ^2/NDF : 2639.8/58

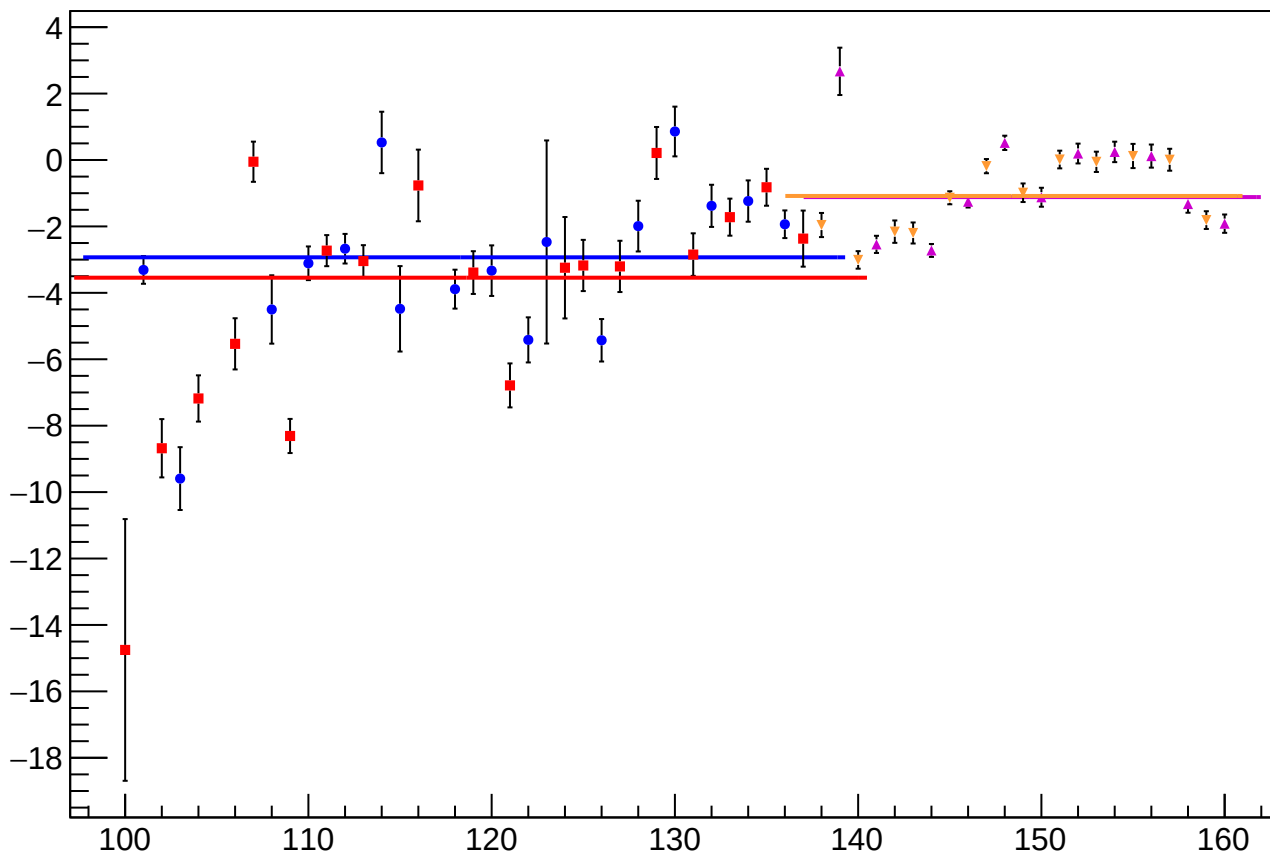
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 2.905 ± 0.115 $\chi^2/\text{NDF}: 505.1/11$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: 1.503 ± 0.113 $\chi^2/\text{NDF}: 352.0/10$

Left: 2.195 ± 0.080 $\chi^2/\text{NDF}: 933.0/22$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: 1.503 ± 0.113 $\chi^2/\text{NDF}: 352.0/10$
 Out: 2.905 ± 0.115 $\chi^2/\text{NDF}: 505.1/11$
 All: 2.195 ± 0.080 $\chi^2/\text{NDF}: 933.0/22$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.930 ± 0.154 χ^2/NDF : 146.5/16

Left Out: -1.083 ± 0.080 χ^2/NDF : 156.9/11

Right Out: -3.544 ± 0.155 χ^2/NDF : 291.7/18

Left In: -1.117 ± 0.077 χ^2/NDF : 245.4/10

Left: -1.101 ± 0.056 χ^2/NDF : 402.4/22

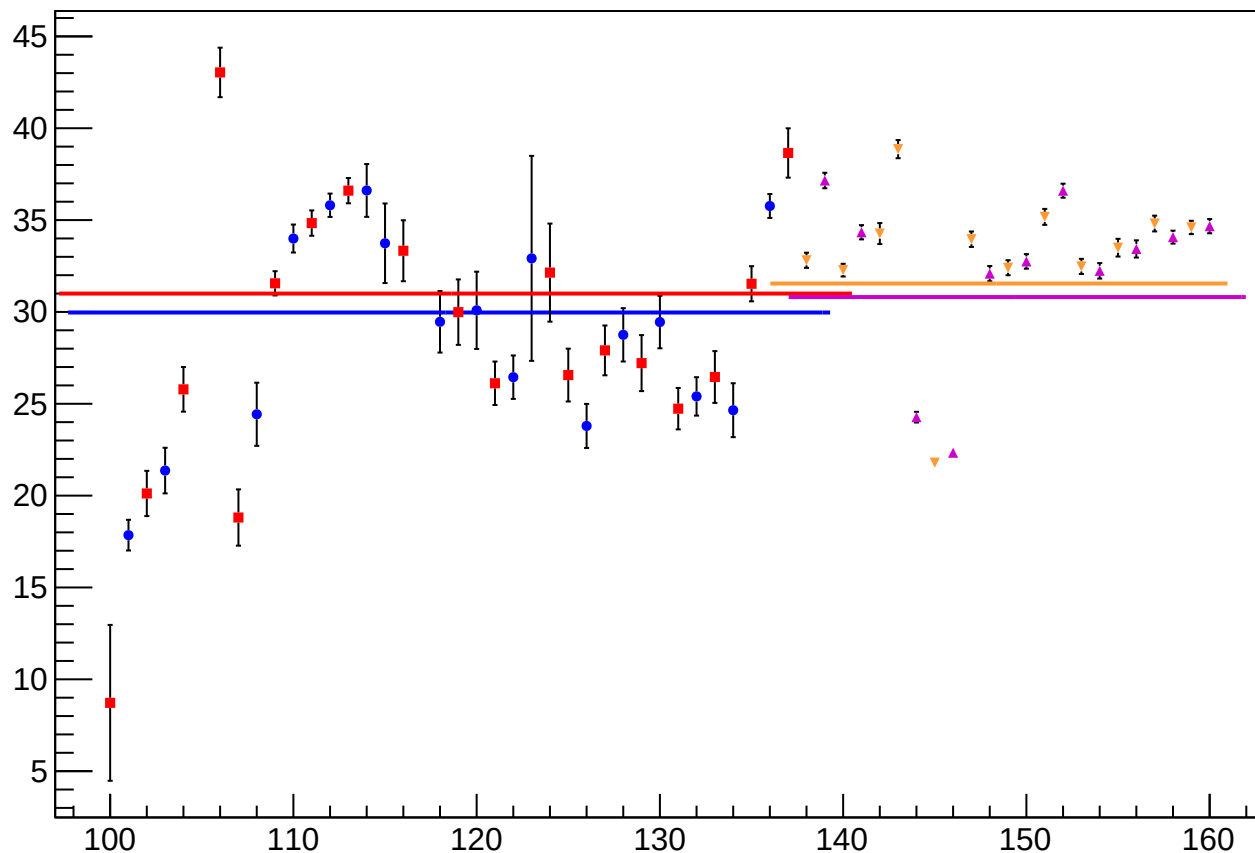
Right: -3.236 ± 0.109 χ^2/NDF : 446.1/35

In: -1.481 ± 0.069 χ^2/NDF : 502.8/27

Out: -1.601 ± 0.071 χ^2/NDF : 648.6/30

All: -1.540 ± 0.049 χ^2/NDF : 1152.9/58

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.969 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 31.546 $\pm$ 0.114 χ^2 /NDF: 1923.3/11

Right Out: 31.000 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 30.810 $\pm$ 0.111 χ^2 /NDF: 2265.3/10

Left: 31.166 $\pm$ 0.080 χ^2 /NDF: 4210.0/22

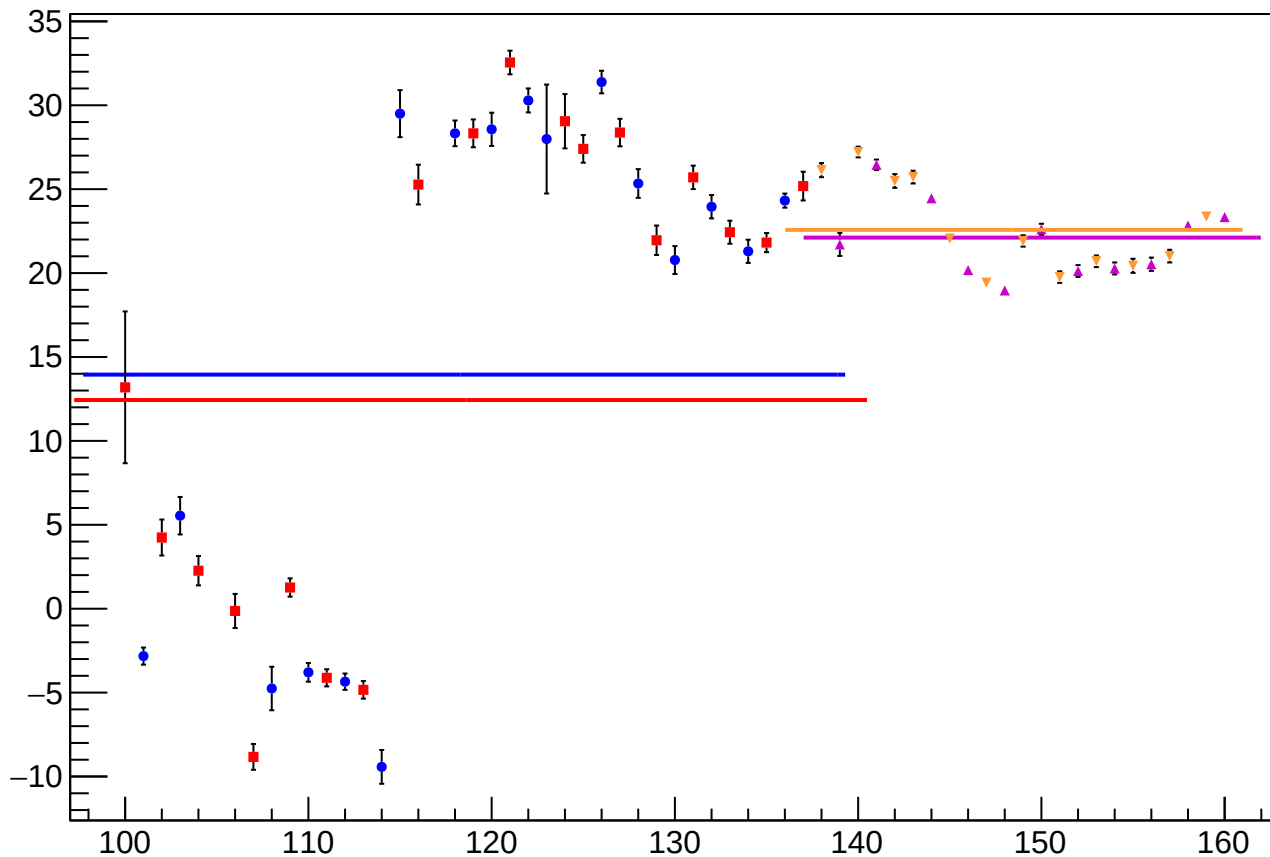
Right: 30.497 $\pm$ 0.186 χ^2 /NDF: 1041.5/35

In: 30.686 $\pm$ 0.102 χ^2 /NDF: 2828.1/27

Out: 31.457 $\pm$ 0.105 χ^2 /NDF: 2406.5/30

All: 31.062 $\pm$ 0.073 χ^2 /NDF: 5262.3/58

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.948 $\pm$ 0.172 χ^2 /NDF: 7391.9/16

Left Out: 22.576 $\pm$ 0.095 χ^2 /NDF:671.0/11

Right Out: 12.435 $\pm$ 0.174 χ^2 /NDF: 6962.9/18

Left In: 22.114 $\pm$ 0.092 χ^2 /NDF:584.2/10

Left: 22.336 $\pm$ 0.066 χ^2 /NDF: 1267.3/22

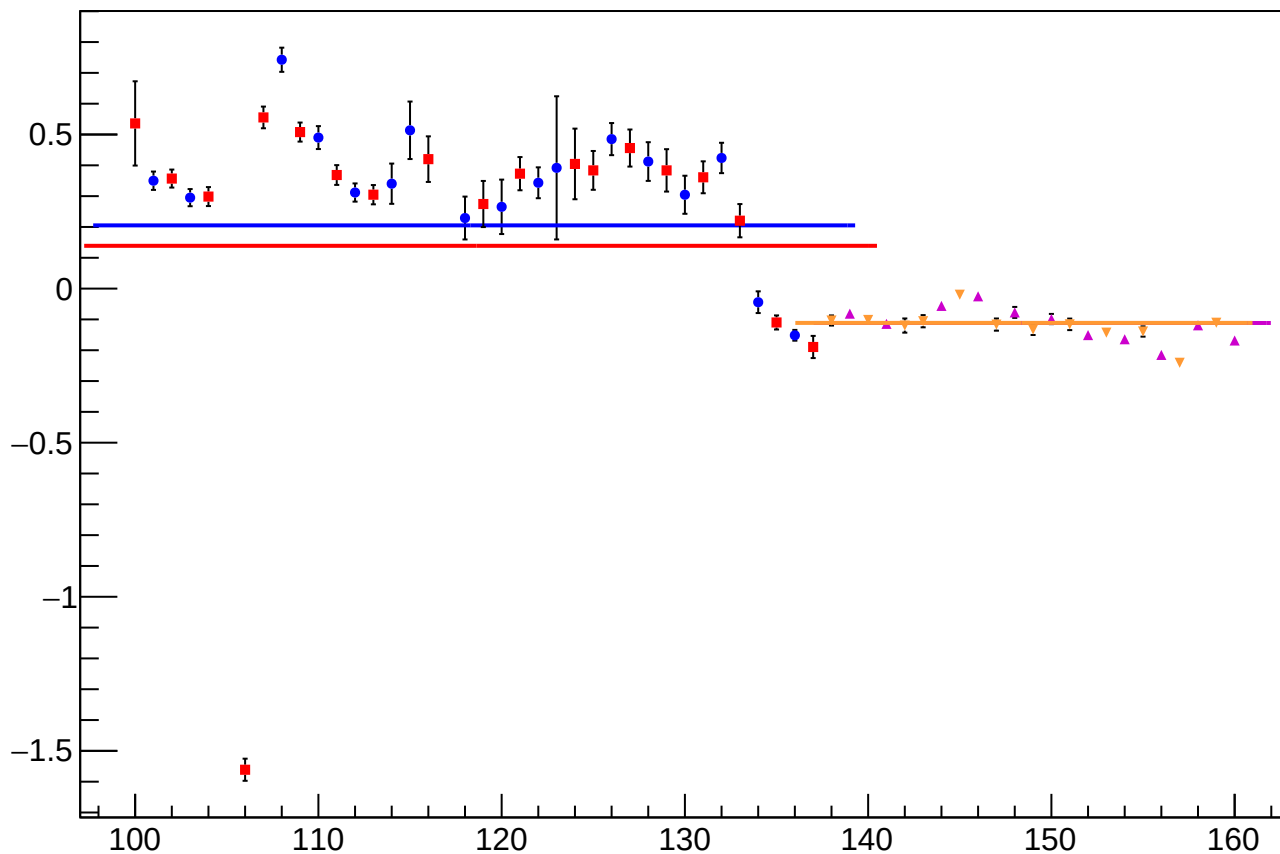
Right: 13.199 $\pm$ 0.122 χ^2 /NDF: 14393.1/35

In: 20.301 $\pm$ 0.081 χ^2 /NDF:9730.3/27

Out: 20.227 $\pm$ 0.084 χ^2 /NDF:10253.7/30

All: 20.265 $\pm$ 0.058 χ^2 /NDF: 19984.4/58

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 846.2/16

Left Out: -0.111 ± 0.004 χ^2/NDF : 170.4/11

Right Out: 0.139 ± 0.009 χ^2/NDF : 3016.8/18

Left In: -0.112 ± 0.004 χ^2/NDF : 155.0/10

Left: -0.111 ± 0.003 χ^2/NDF : 325.3/22

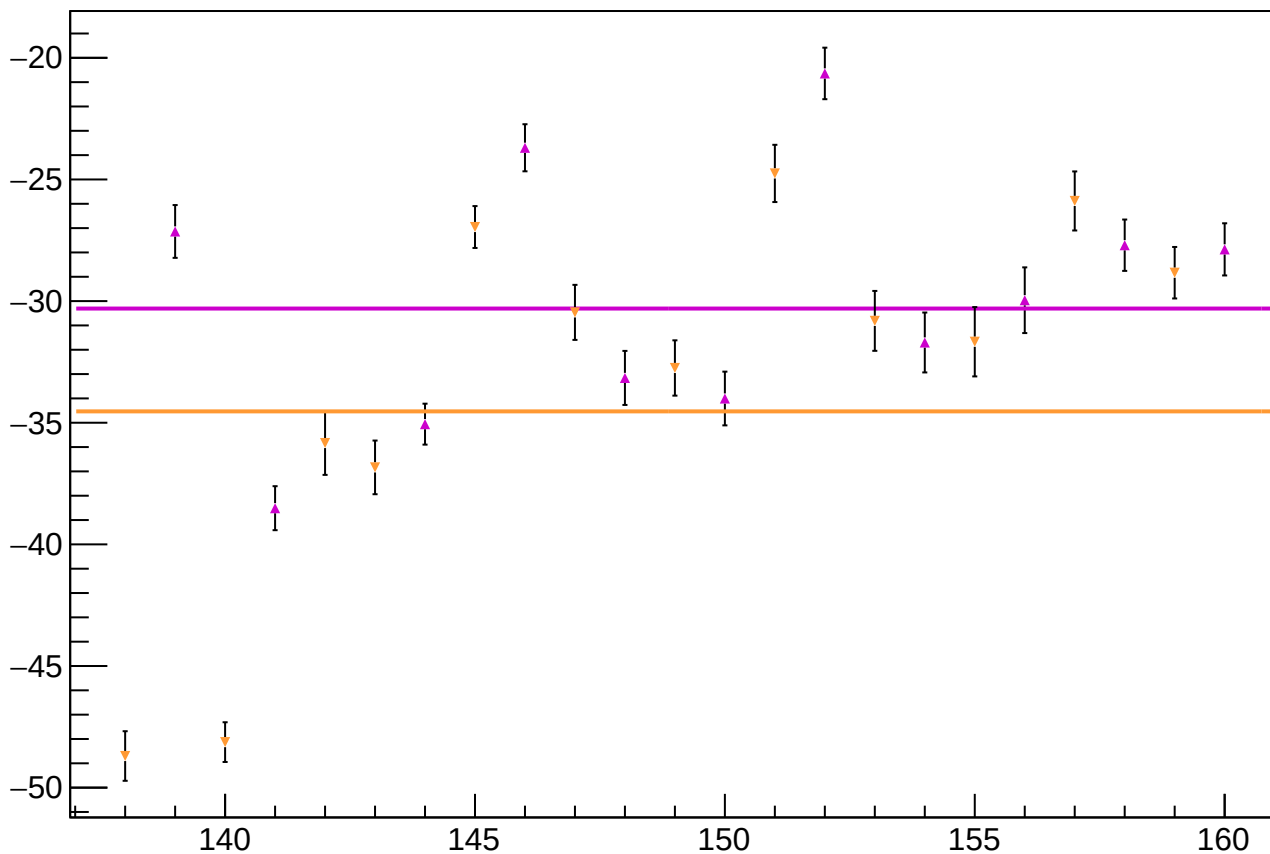
Right: 0.171 ± 0.007 χ^2/NDF : 3888.5/35

In: -0.055 ± 0.004 χ^2/NDF : 1940.0/27

Out: -0.063 ± 0.004 χ^2/NDF : 3784.9/30

All: -0.059 ± 0.003 χ^2/NDF : 5727.2/58

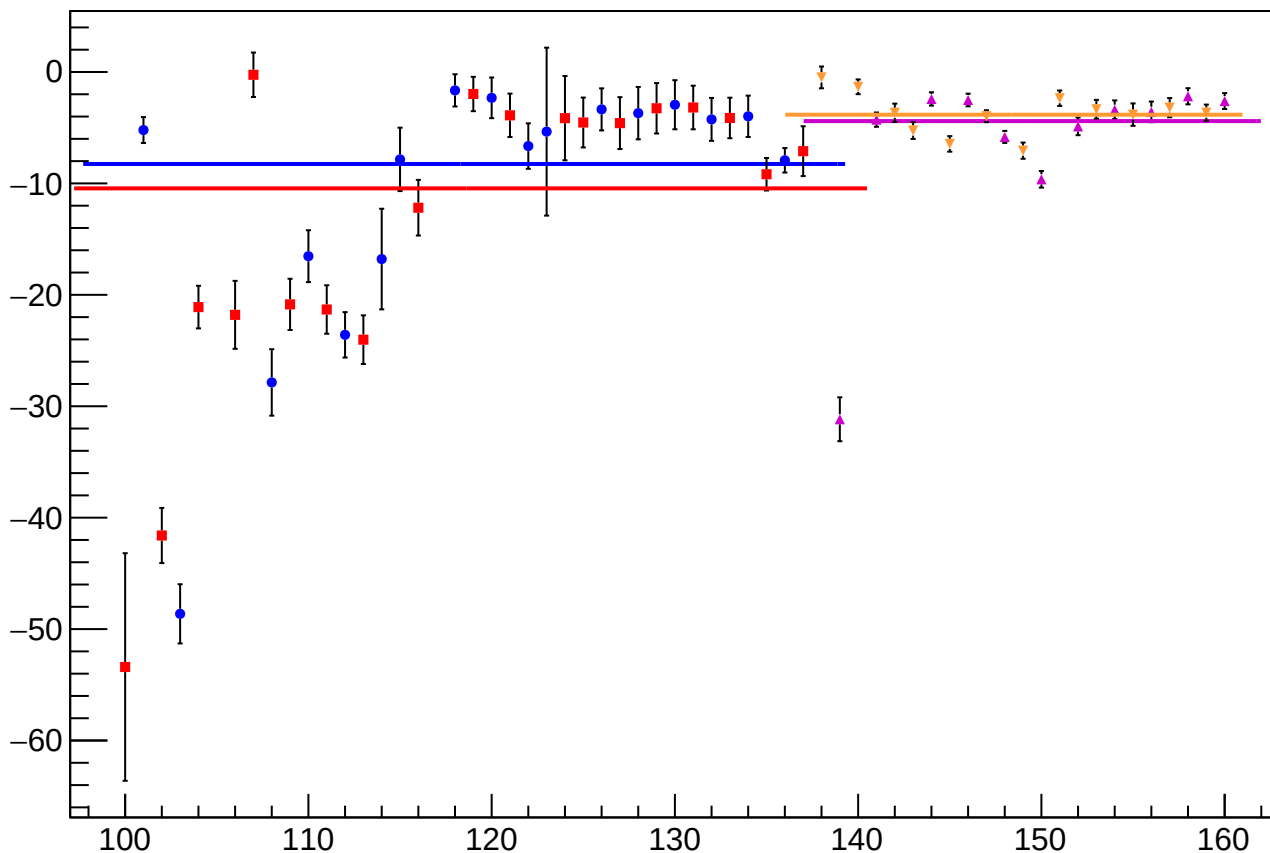
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -34.533+/-0.313 χ^2/NDF : 730.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -30.306+/-0.315 χ^2/NDF : 283.2/10

Left: -32.437+/-0.222 χ^2/NDF : 1104.5/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -30.306+/-0.315 χ^2/NDF : 283.2/10
 Out: -34.533+/-0.313 χ^2/NDF : 730.8/11
 All: -32.437+/-0.222 χ^2/NDF : 1104.5/22

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.257 ± 0.462 χ^2/NDF : 412.1/16

Left Out: -3.834 ± 0.214 χ^2/NDF : 69.2/11

Right Out: -10.446 ± 0.491 χ^2/NDF : 428.4/18

Left In: -4.407 ± 0.214 χ^2/NDF : 281.5/10

Left: -4.122 ± 0.151 χ^2/NDF : 354.2/22

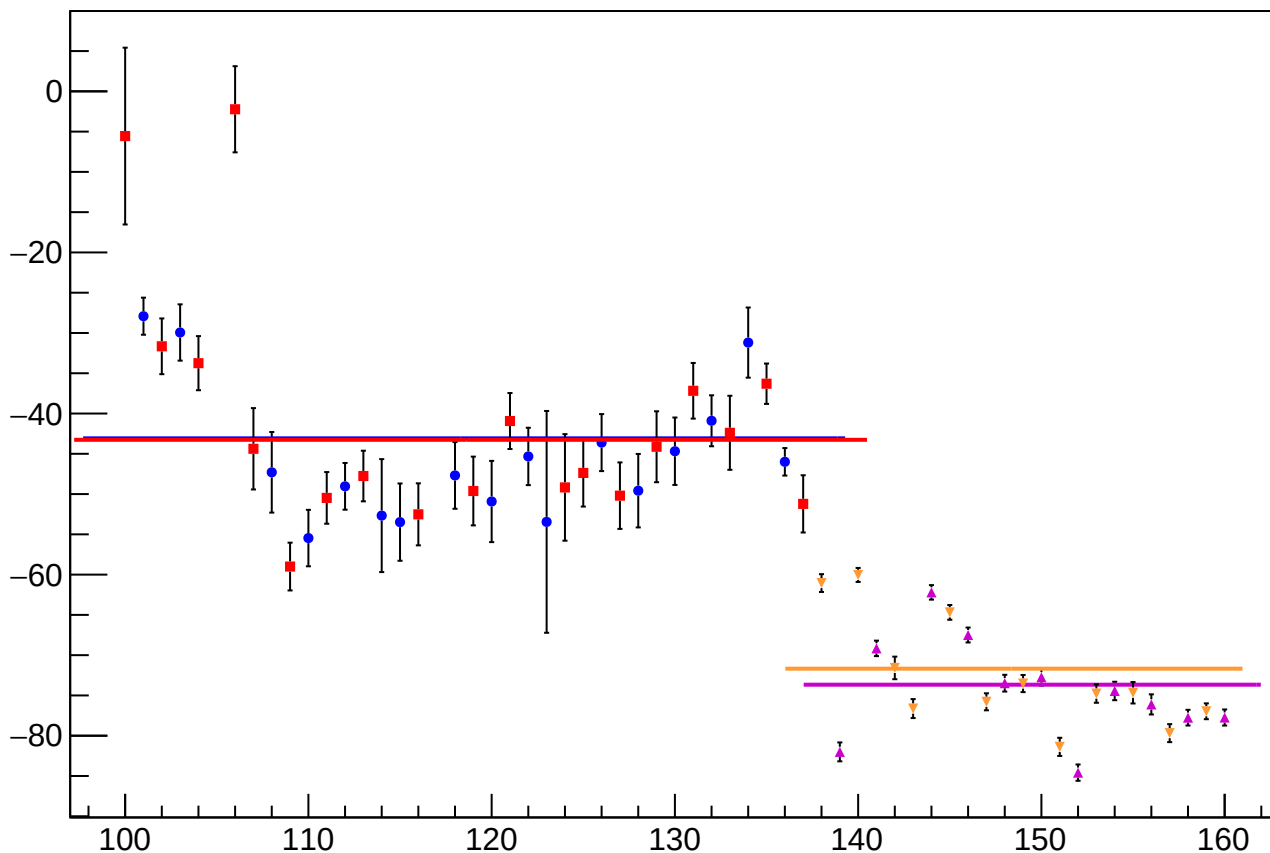
Right: -9.285 ± 0.337 χ^2/NDF : 851.1/35

In: -5.086 ± 0.194 χ^2/NDF : 750.8/27

Out: -4.893 ± 0.197 χ^2/NDF : 649.8/30

All: -4.990 ± 0.138 χ^2/NDF : 1401.0/58

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.082 ± 0.834 $\chi^2/\text{NDF}: 99.2/16$

Left Out: -71.675 ± 0.311 $\chi^2/\text{NDF}: 533.0/11$

Right Out: -43.262 ± 0.866 $\chi^2/\text{NDF}: 154.2/18$

Left In: -73.667 ± 0.309 $\chi^2/\text{NDF}: 434.4/10$

Left: -72.681 ± 0.219 $\chi^2/\text{NDF}: 988.1/22$

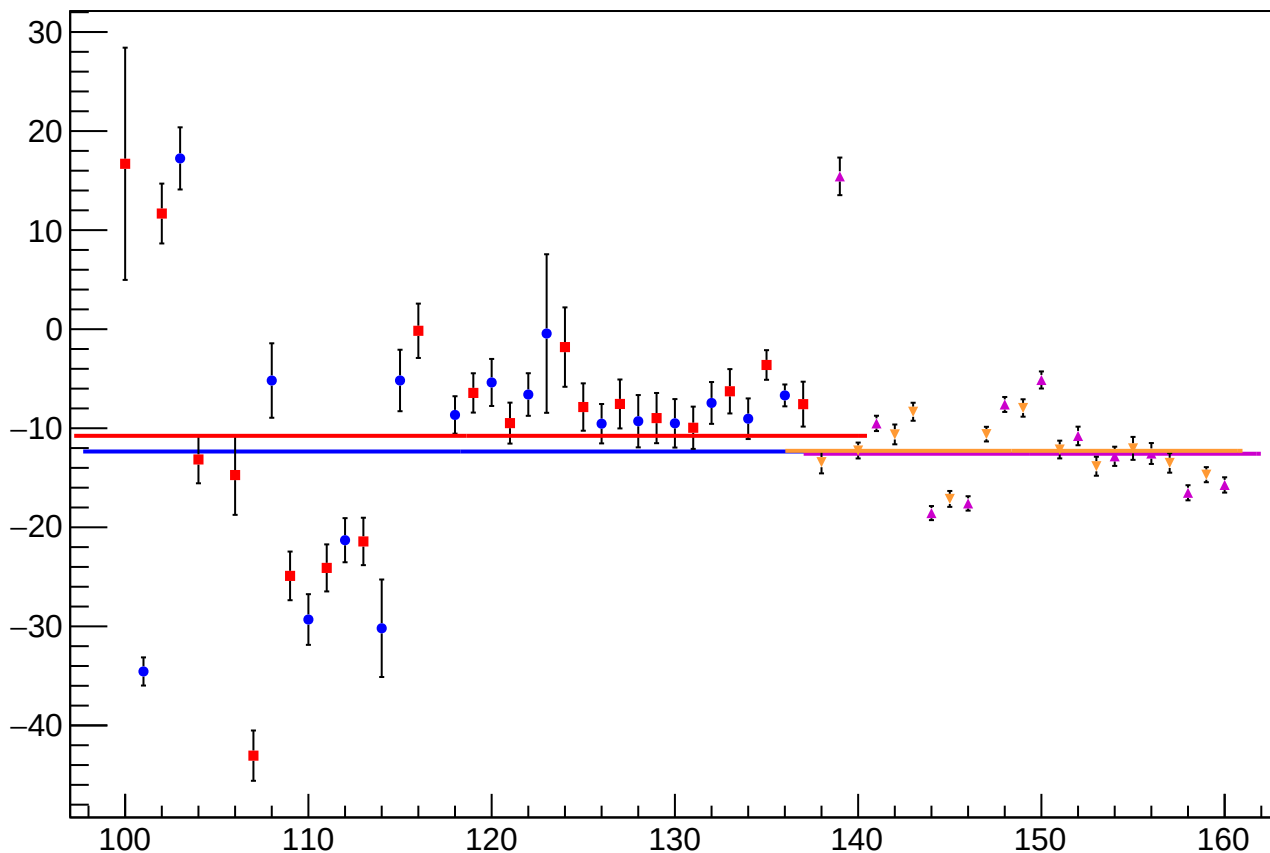
Right: -43.169 ± 0.601 $\chi^2/\text{NDF}: 253.4/35$

In: -69.987 ± 0.289 $\chi^2/\text{NDF}: 1715.9/27$

Out: -68.424 ± 0.293 $\chi^2/\text{NDF}: 1639.6/30$

All: -69.215 ± 0.206 $\chi^2/\text{NDF}: 3369.9/58$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.348 $\pm$ 0.520 χ^2/NDF : 475.9/16

Left Out: -12.280 $\pm$ 0.258 χ^2/NDF : 102.8/11

Right Out: -10.765 $\pm$ 0.554 χ^2/NDF : 366.6/18

Left In: -12.574 $\pm$ 0.255 χ^2/NDF : 516.8/10

Left: -12.429 $\pm$ 0.181 χ^2/NDF : 620.2/22

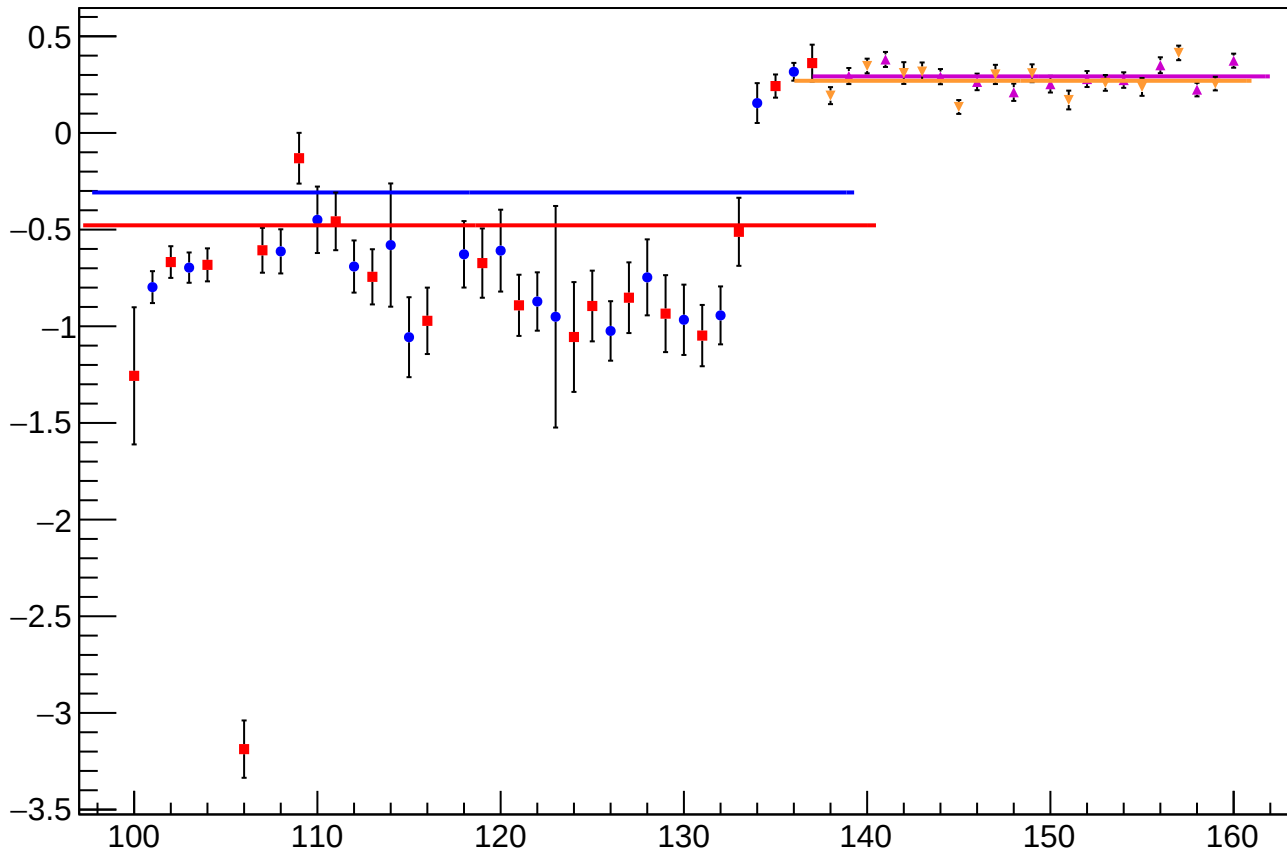
Right: -11.606 $\pm$ 0.379 χ^2/NDF : 846.9/35

In: -12.530 $\pm$ 0.229 χ^2/NDF : 992.9/27

Out: -12.010 $\pm$ 0.234 χ^2/NDF : 475.6/30

All: -12.276 $\pm$ 0.163 χ^2/NDF : 1471.0/58

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.308 ± 0.028 χ^2/NDF : 372.4/16

Left Out: 0.270 ± 0.012 χ^2/NDF : 43.6/11

Right Out: -0.478 ± 0.029 χ^2/NDF : 631.2/18

Left In: 0.293 ± 0.012 χ^2/NDF : 20.9/10

Left: 0.281 ± 0.009 χ^2/NDF : 66.2/22

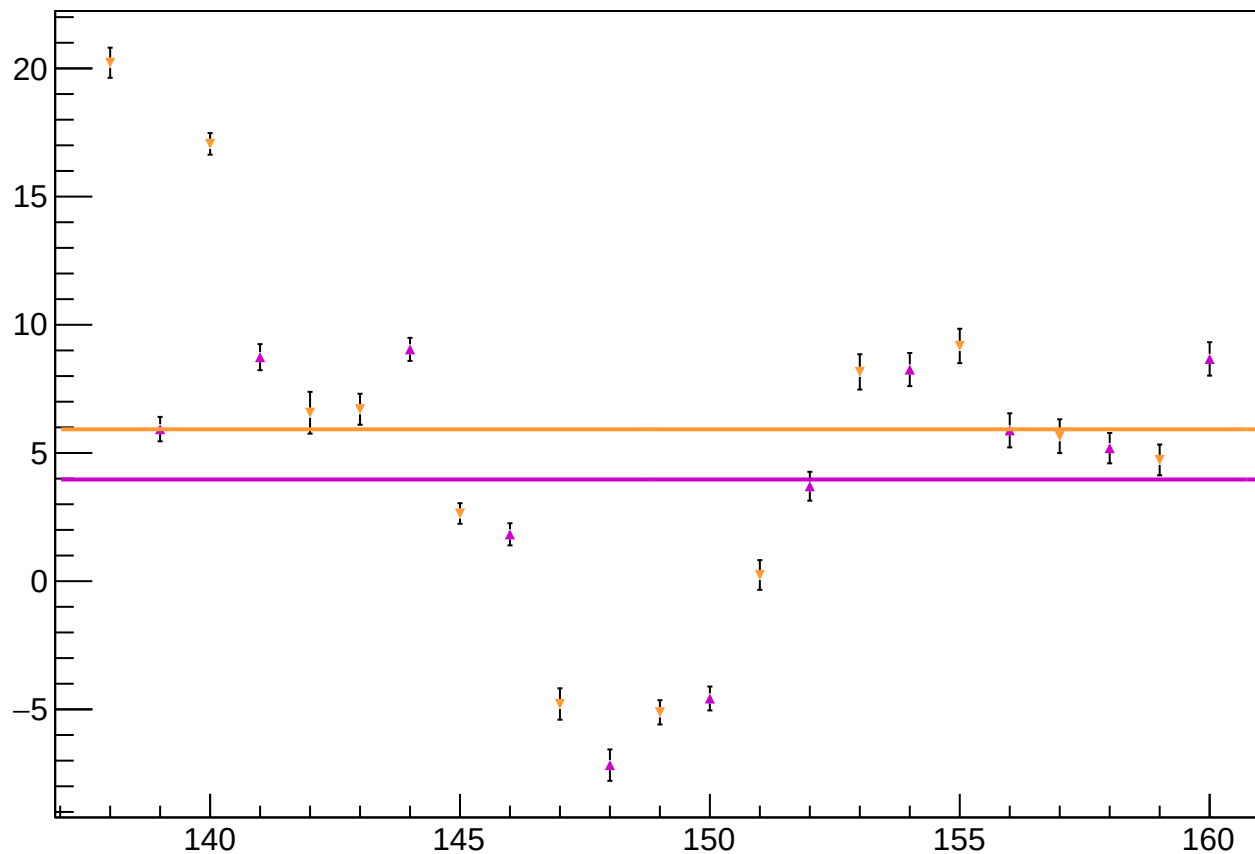
Right: -0.390 ± 0.020 χ^2/NDF : 1022.0/35

In: 0.195 ± 0.011 χ^2/NDF : 792.4/27

Out: 0.153 ± 0.011 χ^2/NDF : 1254.2/30

All: 0.175 ± 0.008 χ^2/NDF : 2053.8/58

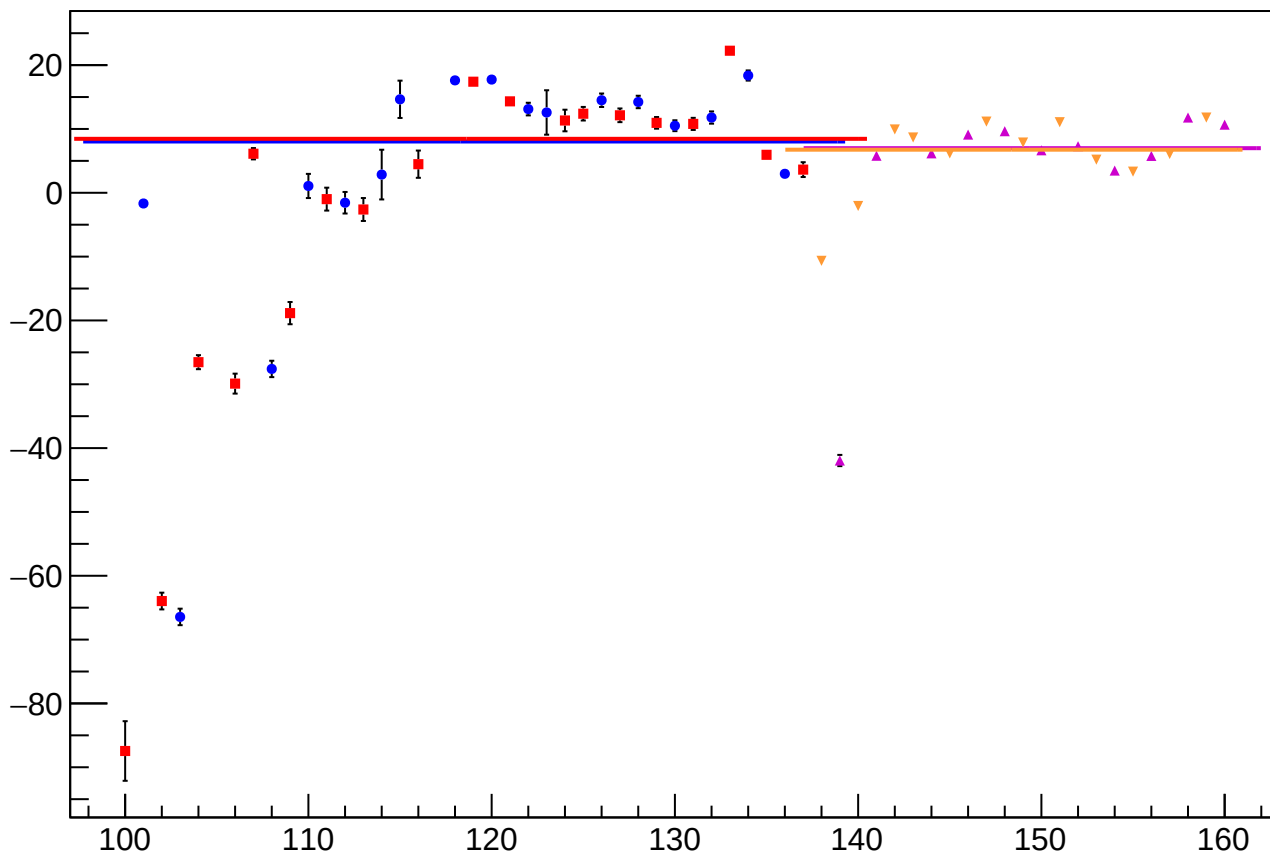
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 5.924 ± 0.161 $\chi^2/\text{NDF}: 2340.0/11$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: 3.966 ± 0.160 $\chi^2/\text{NDF}: 1033.7/10$

Left: 4.940 ± 0.114 $\chi^2/\text{NDF}: 3447.9/22$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: 3.966 ± 0.160 $\chi^2/\text{NDF}: 1033.7/10$
 Out: 5.924 ± 0.161 $\chi^2/\text{NDF}: 2340.0/11$
 All: 4.940 ± 0.114 $\chi^2/\text{NDF}: 3447.9/22$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.036 $\pm$ 0.215 χ^2 /NDF: 5369.4/16

Left Out: 6.751 $\pm$ 0.112 χ^2 /NDF: 2158.5/11

Right Out: 8.454 $\pm$ 0.213 χ^2 /NDF: 6704.4/18

Left In: 6.988 $\pm$ 0.112 χ^2 /NDF: 3531.2/10

Left: 6.870 $\pm$ 0.079 χ^2 /NDF: 5691.9/22

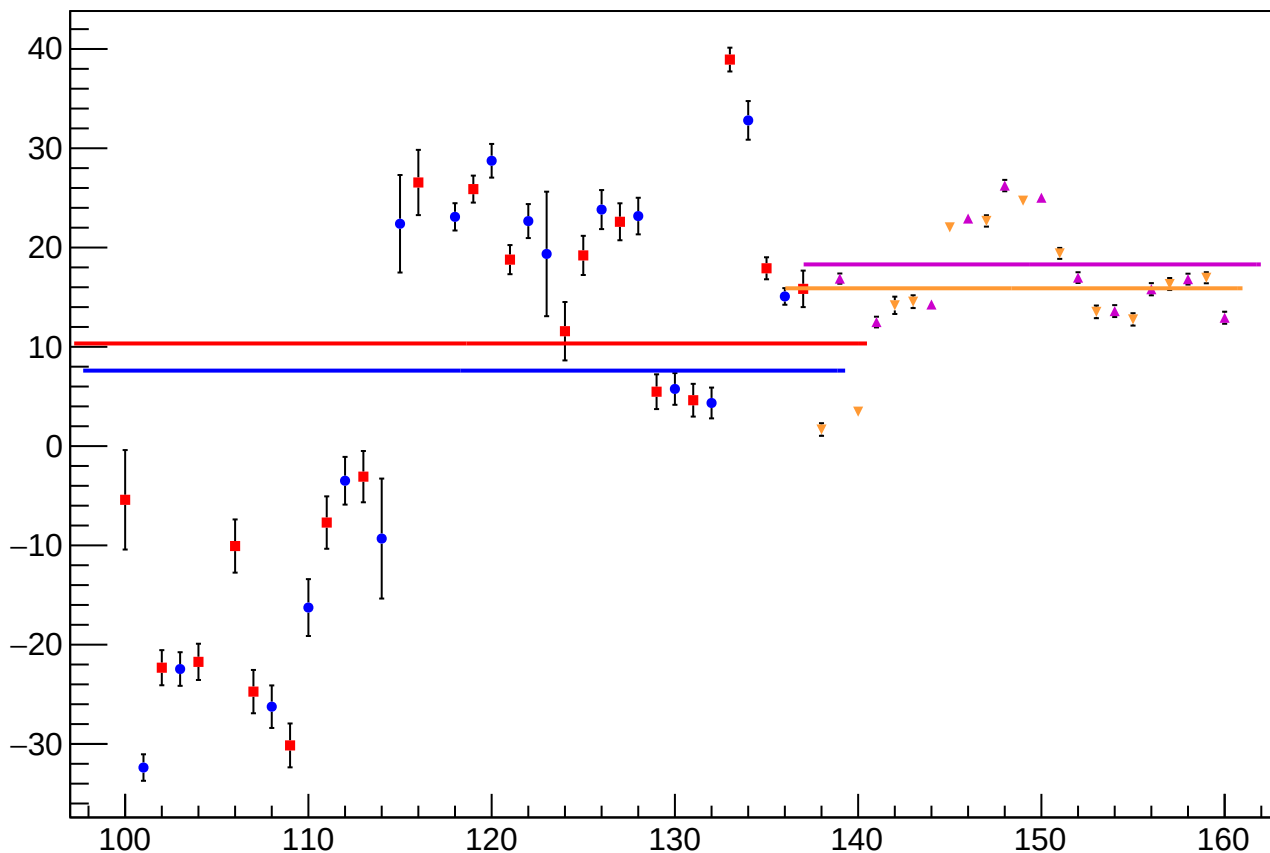
Right: 8.247 $\pm$ 0.151 χ^2 /NDF: 12075.7/35

In: 7.213 $\pm$ 0.100 χ^2 /NDF: 8919.2/27

Out: 7.119 $\pm$ 0.099 χ^2 /NDF: 8912.9/30

All: 7.166 $\pm$ 0.070 χ^2 /NDF: 17832.5/58

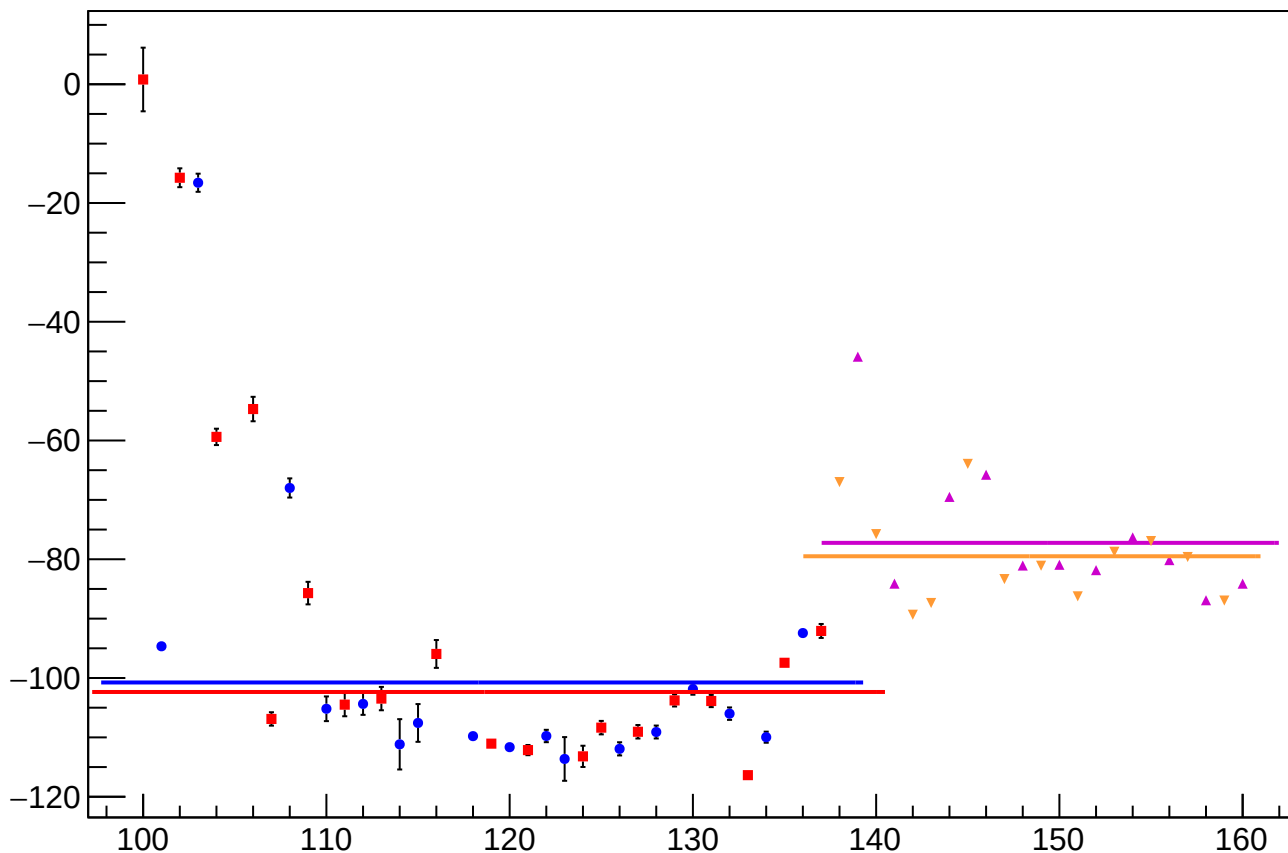
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.604 ± 0.416 $\chi^2/\text{NDF}: 2325.0/16$
 Left Out: 15.895 ± 0.160 $\chi^2/\text{NDF}: 2100.0/11$
 Right Out: 10.337 ± 0.416 $\chi^2/\text{NDF}: 2281.8/18$
 Left In: 18.300 ± 0.157 $\chi^2/\text{NDF}: 916.7/10$

Left: 17.120 ± 0.112 $\chi^2/\text{NDF}: 3131.8/22$
 Right: 8.969 ± 0.294 $\chi^2/\text{NDF}: 4628.4/35$
 In: 16.965 ± 0.147 $\chi^2/\text{NDF}: 3820.9/27$
 Out: 15.180 ± 0.149 $\chi^2/\text{NDF}: 4537.1/30$
 All: 16.087 ± 0.105 $\chi^2/\text{NDF}: 8430.5/58$

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.753 ± 0.248 $\chi^2/\text{NDF}: 4522.6/16$

Left Out: -79.496 ± 0.134 $\chi^2/\text{NDF}: 3262.3/11$

Right Out: -102.354 ± 0.246 $\chi^2/\text{NDF}: 6078.9/18$

Left In: -77.238 ± 0.133 $\chi^2/\text{NDF}: 4167.6/10$

Left: -78.358 ± 0.094 $\chi^2/\text{NDF}: 7573.1/22$

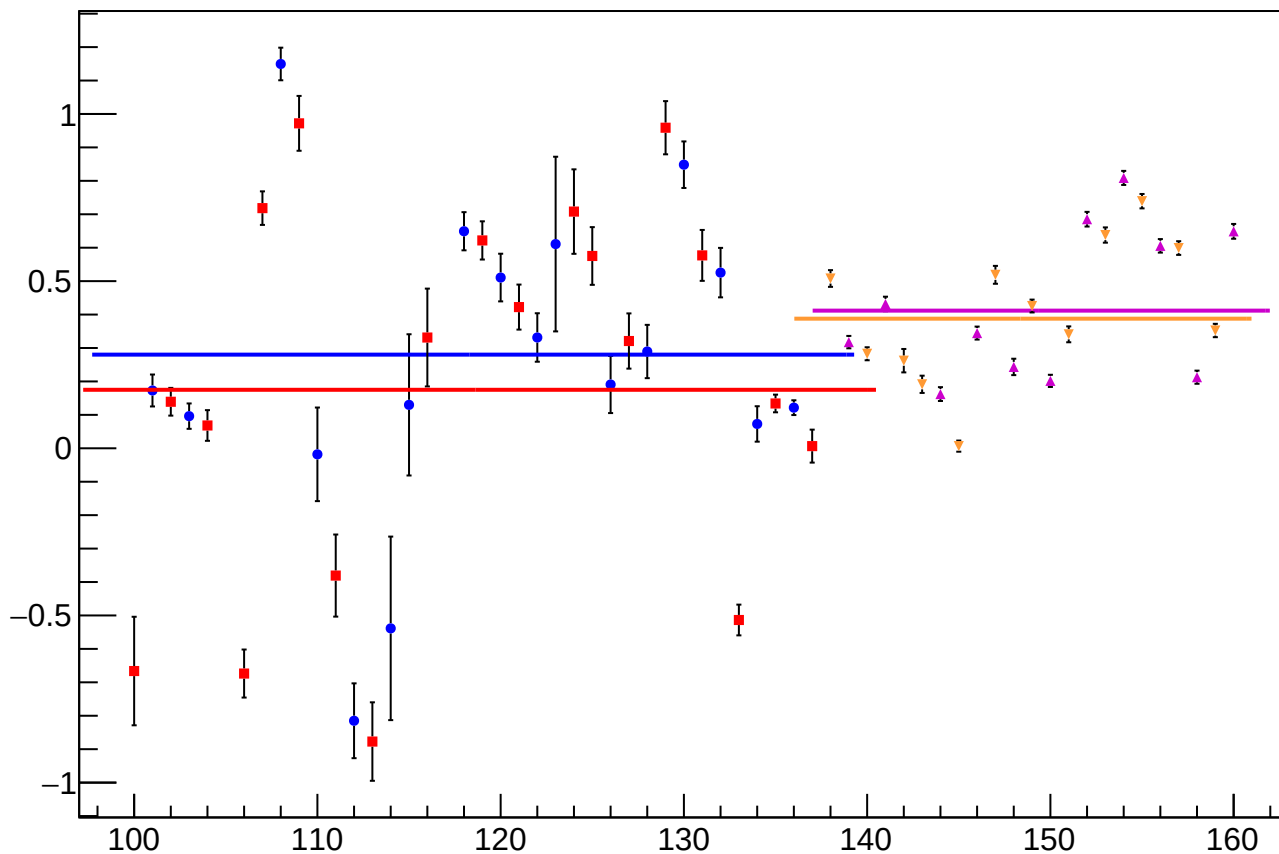
Right: -101.559 ± 0.175 $\chi^2/\text{NDF}: 10622.5/35$

In: -82.484 ± 0.117 $\chi^2/\text{NDF}: 15674.6/27$

Out: -84.721 ± 0.118 $\chi^2/\text{NDF}: 15989.3/30$

All: -83.597 ± 0.083 $\chi^2/\text{NDF}: 31845.3/58$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.280 ± 0.013 χ^2/NDF : 656.0/16

Left Out: 0.388 ± 0.006 χ^2/NDF : 1173.9/11

Right Out: 0.175 ± 0.013 χ^2/NDF : 966.7/18

Left In: 0.412 ± 0.006 χ^2/NDF : 1184.0/10

Left: 0.400 ± 0.004 χ^2/NDF : 2365.3/22

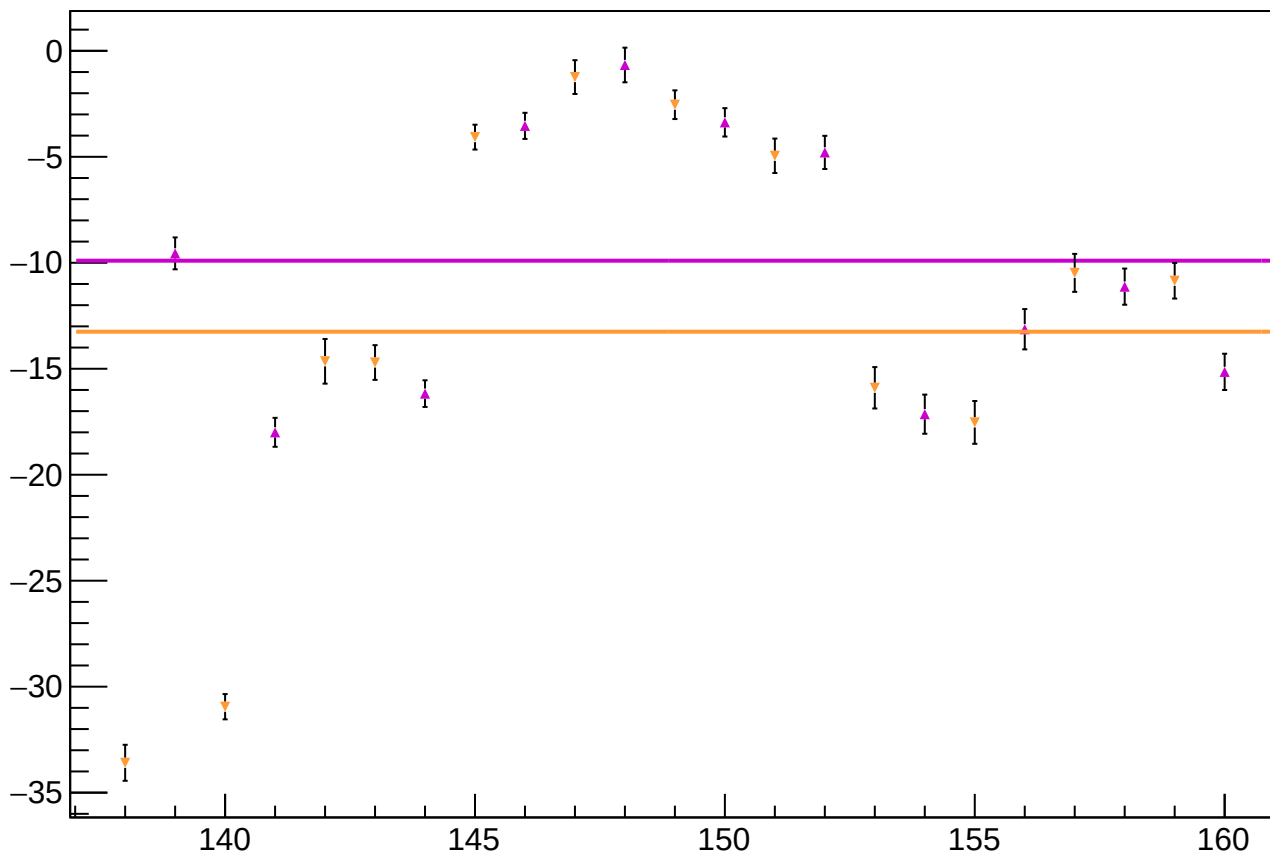
Right: 0.227 ± 0.010 χ^2/NDF : 1653.2/35

In: 0.389 ± 0.006 χ^2/NDF : 1918.8/27

Out: 0.349 ± 0.006 χ^2/NDF : 2345.7/30

All: 0.369 ± 0.004 χ^2/NDF : 4288.9/58

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.252+/-0.227 χ^2/NDF :2329.4/11

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

Left In: -9.901+/-0.227 χ^2/NDF :725.1/10

Left: -11.577+/-0.160 χ^2/NDF : 3163.7/22

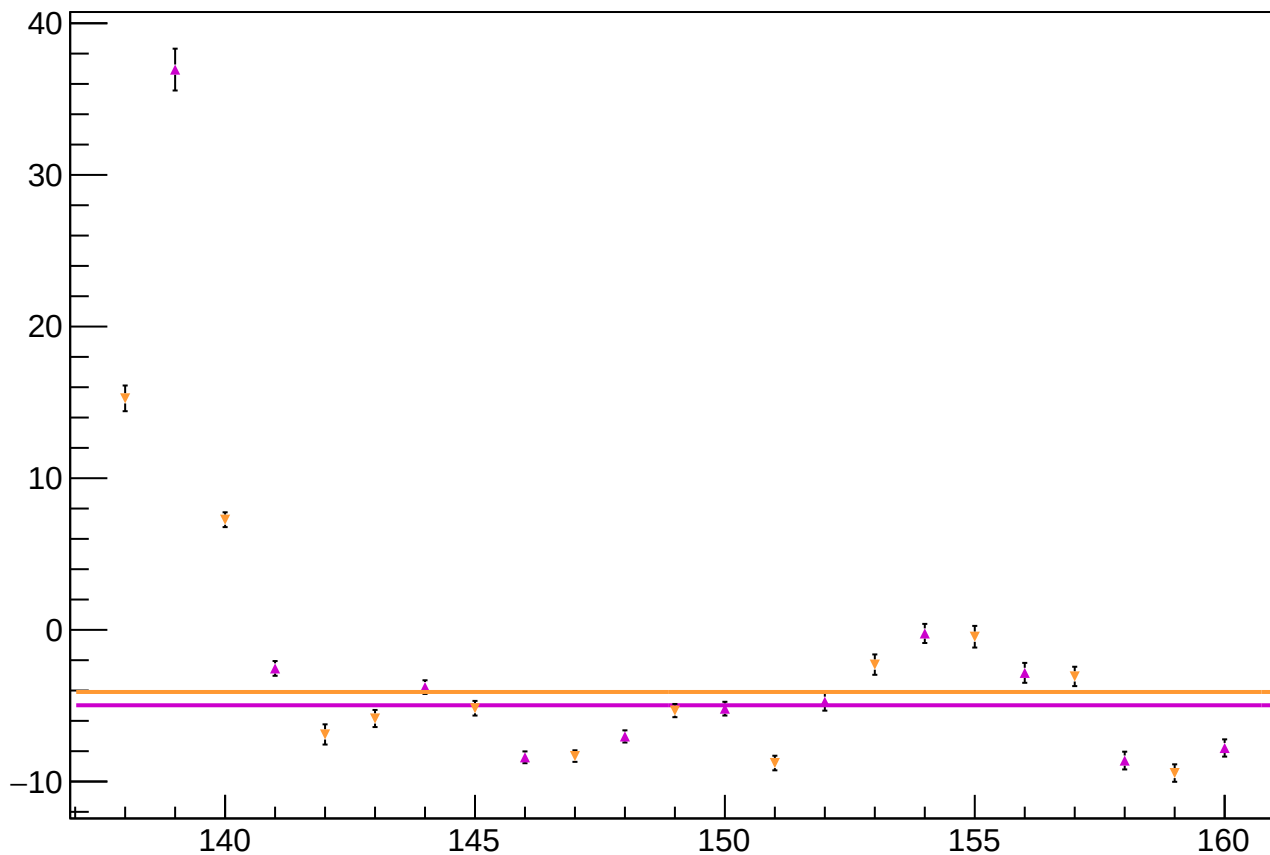
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -9.901+/-0.227 χ^2/NDF :725.1/10

Out: -13.252+/-0.227 χ^2/NDF :2329.4/11

All: -11.577+/-0.160 χ^2/NDF : 3163.7/22

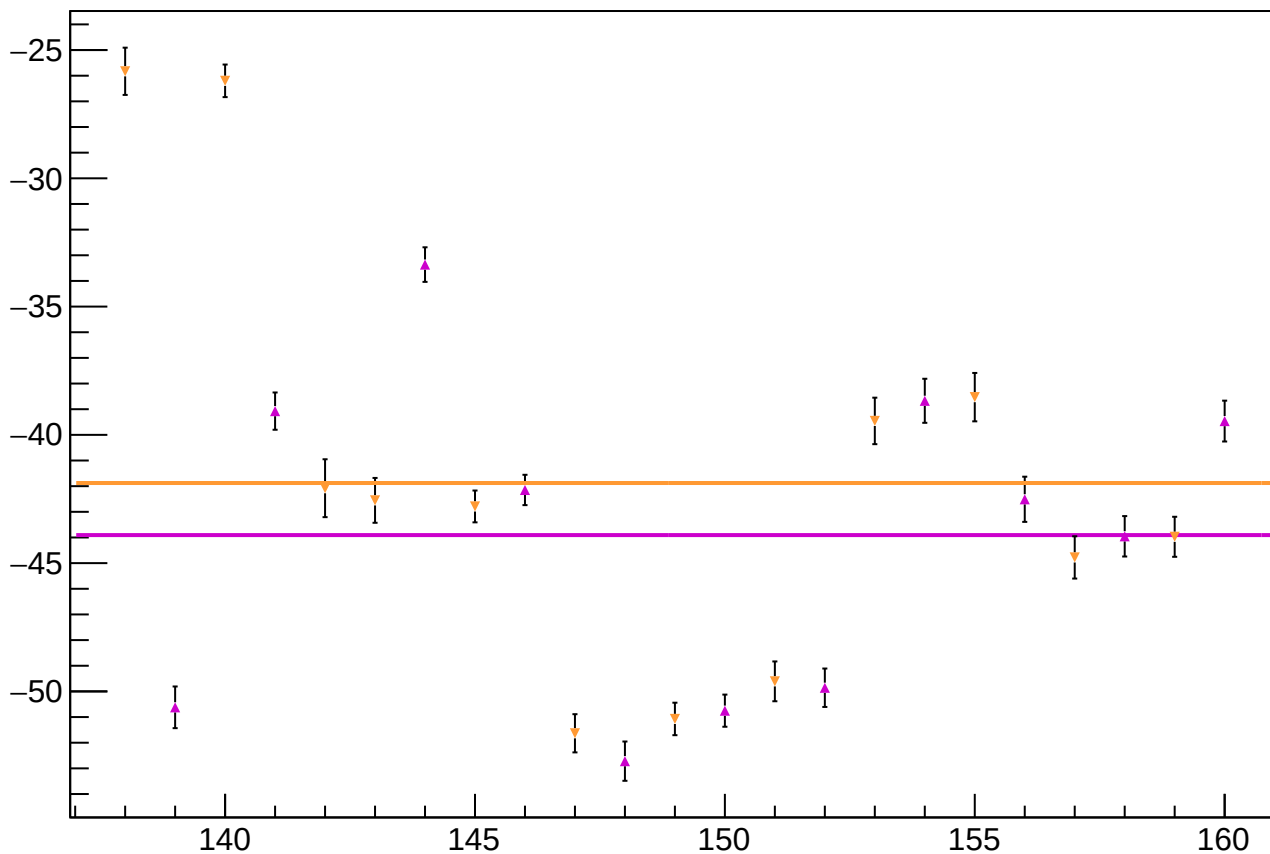
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.095+/-0.155 χ^2/NDF :1442.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.973+/-0.156 χ^2/NDF :1190.4/10

Left: -4.532+/-0.110 χ^2/NDF : 2648.4/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.973+/-0.156 χ^2/NDF :1190.4/10
 Out: -4.095+/-0.155 χ^2/NDF :1442.1/11
 All: -4.532+/-0.110 χ^2/NDF : 2648.4/22

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -41.877+/-0.225 χ^2/NDF :1437.6/11

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

Left In: -43.907+/-0.222 χ^2/NDF :752.0/10

Left: -42.906+/-0.158 χ^2/NDF : 2230.9/22

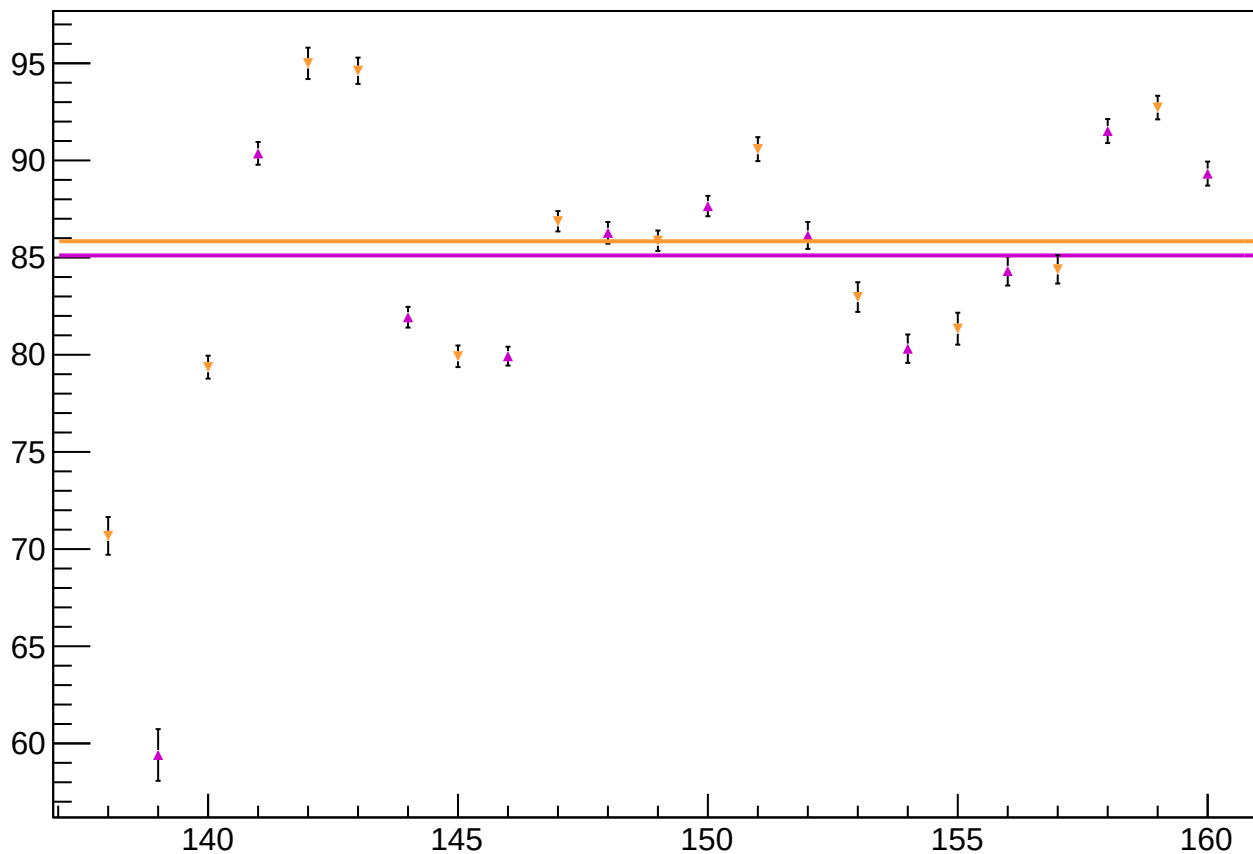
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -43.907+/-0.222 χ^2/NDF :752.0/10

Out: -41.877+/-0.225 χ^2/NDF :1437.6/11

All: -42.906+/-0.158 χ^2/NDF : 2230.9/22

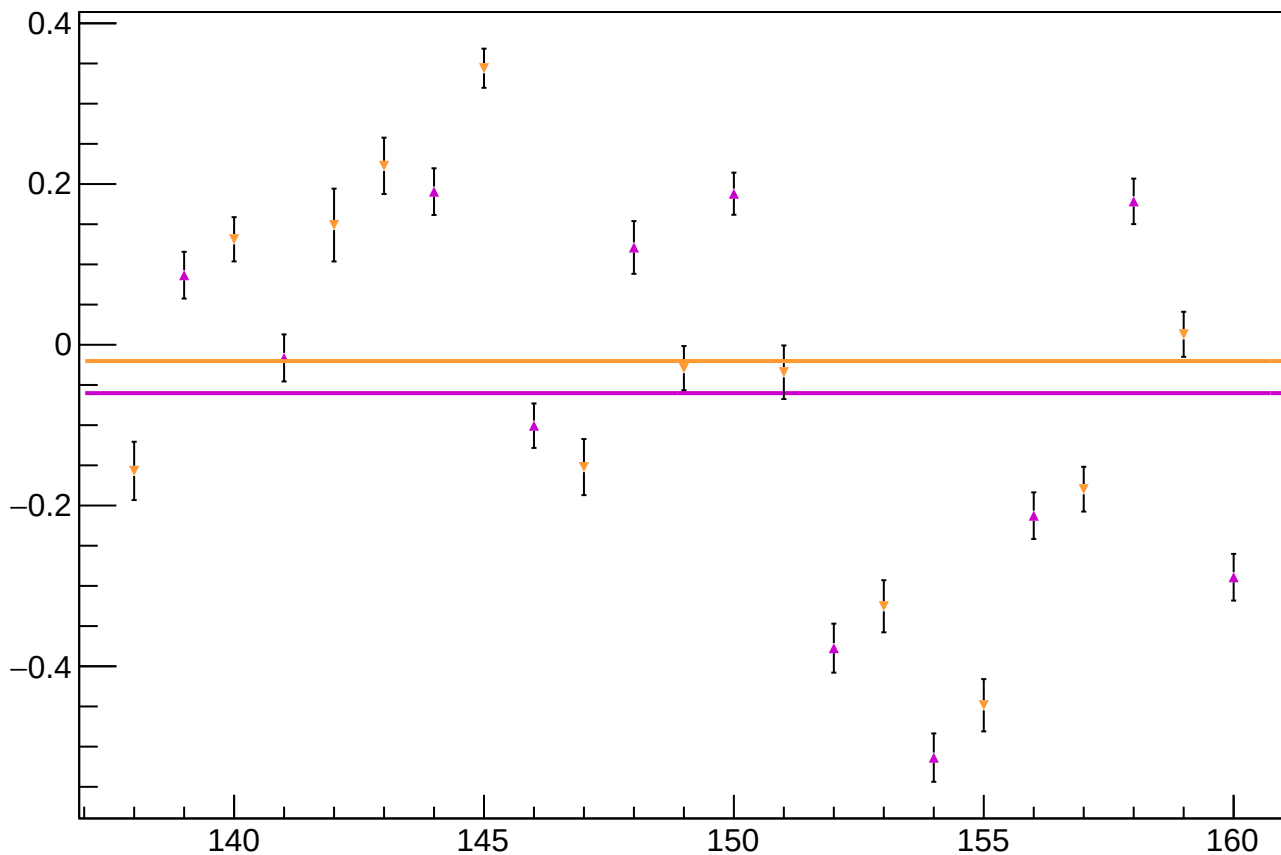
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 85.841+/-0.187 χ^2/NDF :1014.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 85.112+/-0.185 χ^2/NDF :832.4/10

Left: 85.473+/-0.132 χ^2/NDF : 1854.4/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 85.112+/-0.185 χ^2/NDF :832.4/10
 Out: 85.841+/-0.187 χ^2/NDF :1014.3/11
 All: 85.473+/-0.132 χ^2/NDF : 1854.4/22

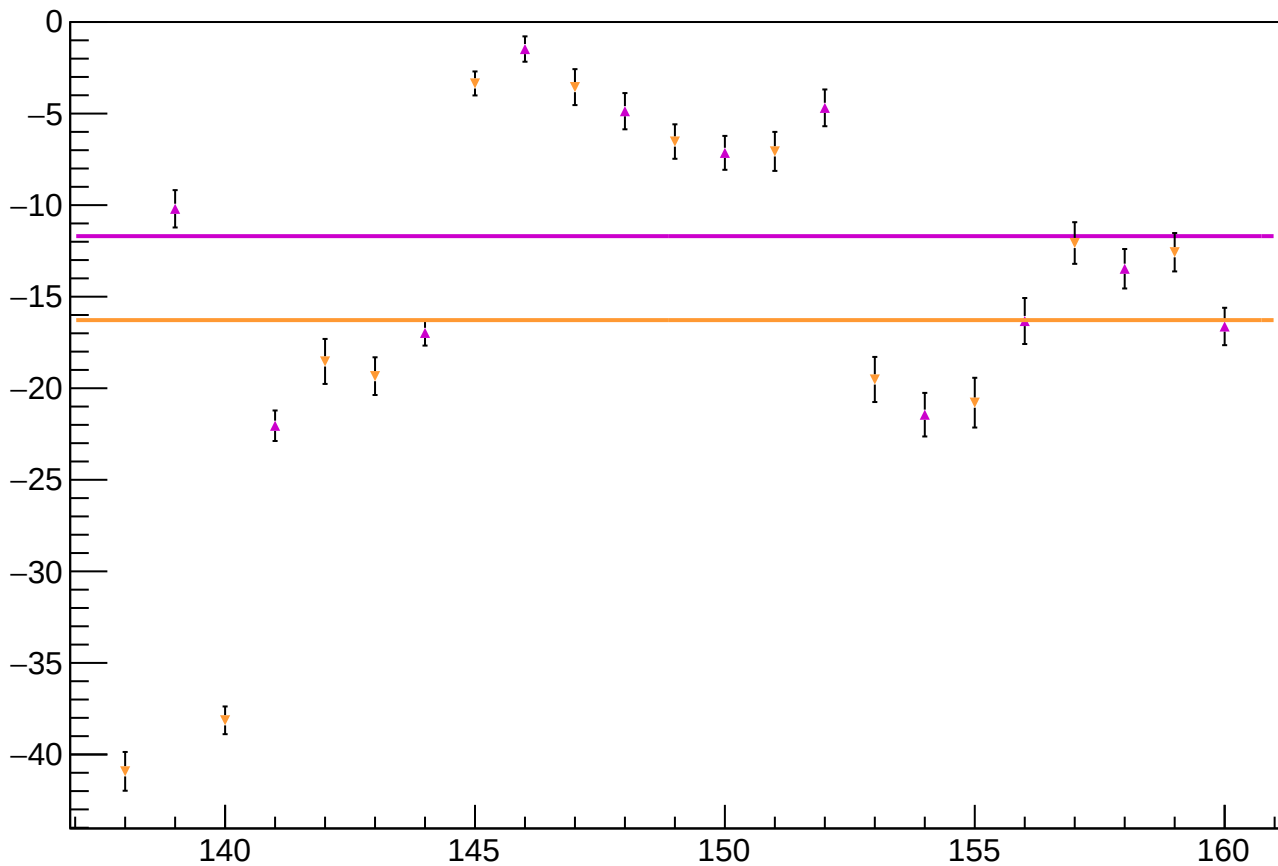
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.020+/-0.009 χ^2/NDF : 641.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.060+/-0.009 χ^2/NDF : 720.8/10

Left: -0.041+/-0.006 χ^2/NDF : 1372.2/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.060+/-0.009 χ^2/NDF : 720.8/10
 Out: -0.020+/-0.009 χ^2/NDF : 641.2/11
 All: -0.041+/-0.006 χ^2/NDF : 1372.2/22

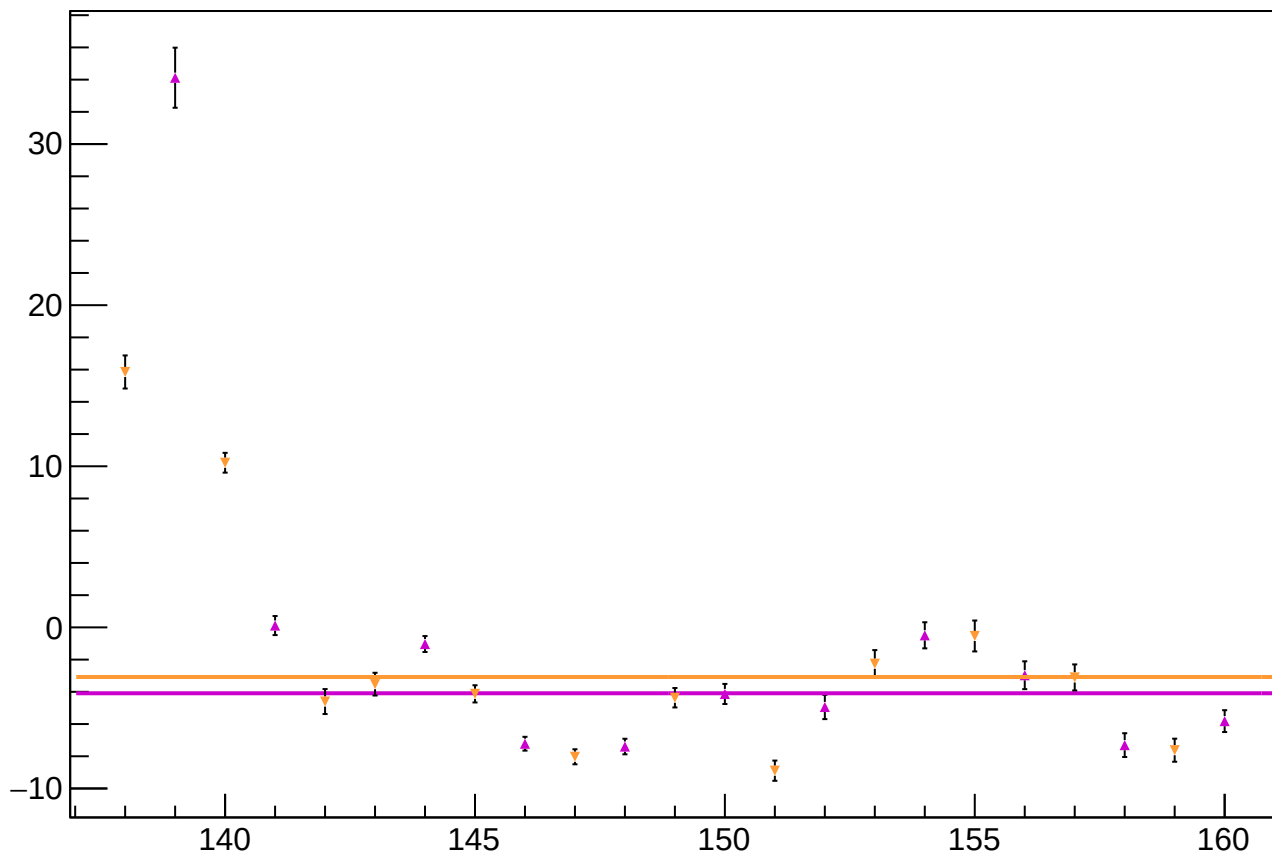
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -16.280+/-0.283 χ^2/NDF :2171.7/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -11.694+/-0.278 χ^2/NDF :659.7/10

Left: -13.951+/-0.198 χ^2/NDF : 2965.0/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -11.694+/-0.278 χ^2/NDF :659.7/10
 Out: -16.280+/-0.283 χ^2/NDF :2171.7/11
 All: -13.951+/-0.198 χ^2/NDF : 2965.0/22

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.080+/-0.194 χ^2/NDF :1067.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.089+/-0.188 χ^2/NDF :656.9/10

Left: -3.599+/-0.135 χ^2/NDF : 1738.7/22

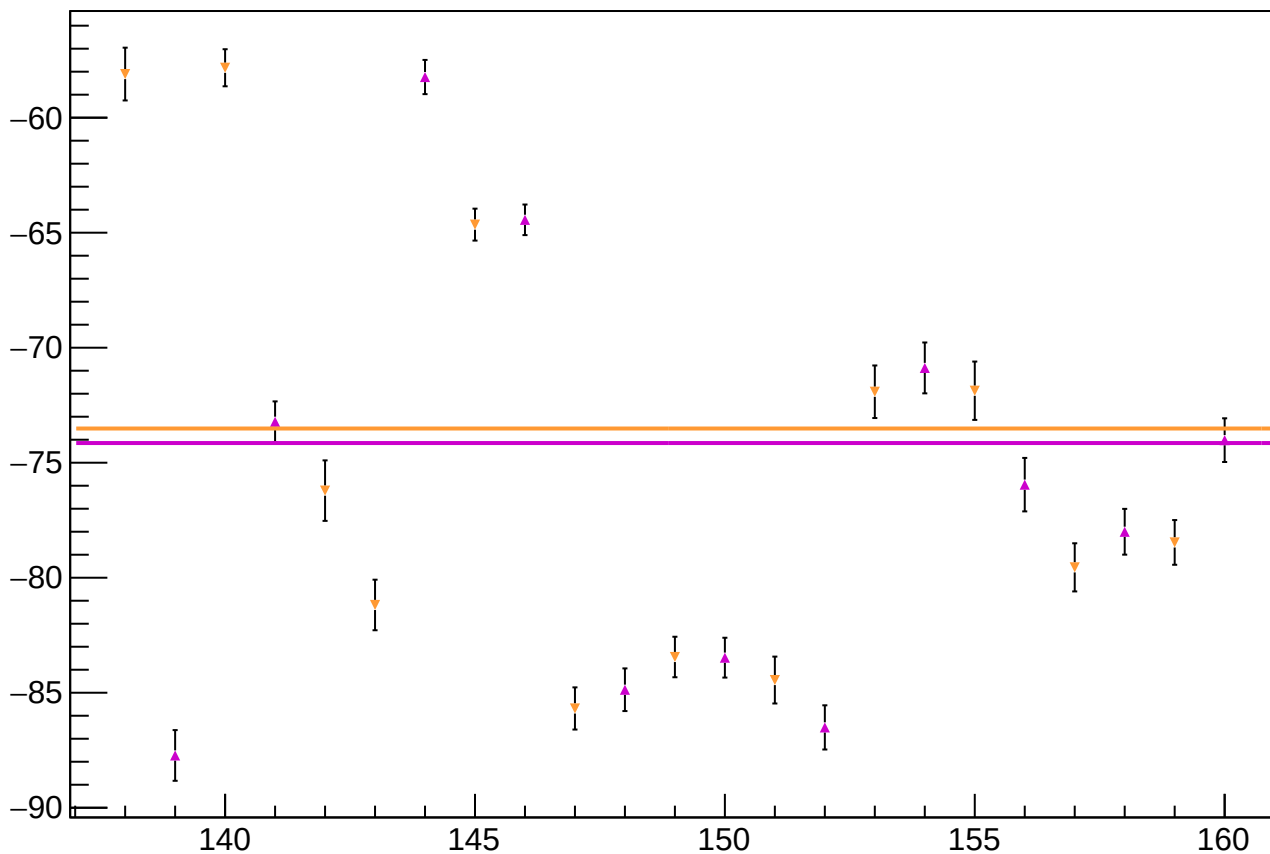
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -4.089+/-0.188 χ^2/NDF :656.9/10

Out: -3.080+/-0.194 χ^2/NDF :1067.8/11

All: -3.599+/-0.135 χ^2/NDF : 1738.7/22

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -73.513 +/- 0.282 χ^2/NDF : 1256.7/11

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

Left In: -74.145 +/- 0.273 χ^2/NDF : 1265.6/10

Left: -73.839 +/- 0.196 χ^2/NDF : 2524.9/22

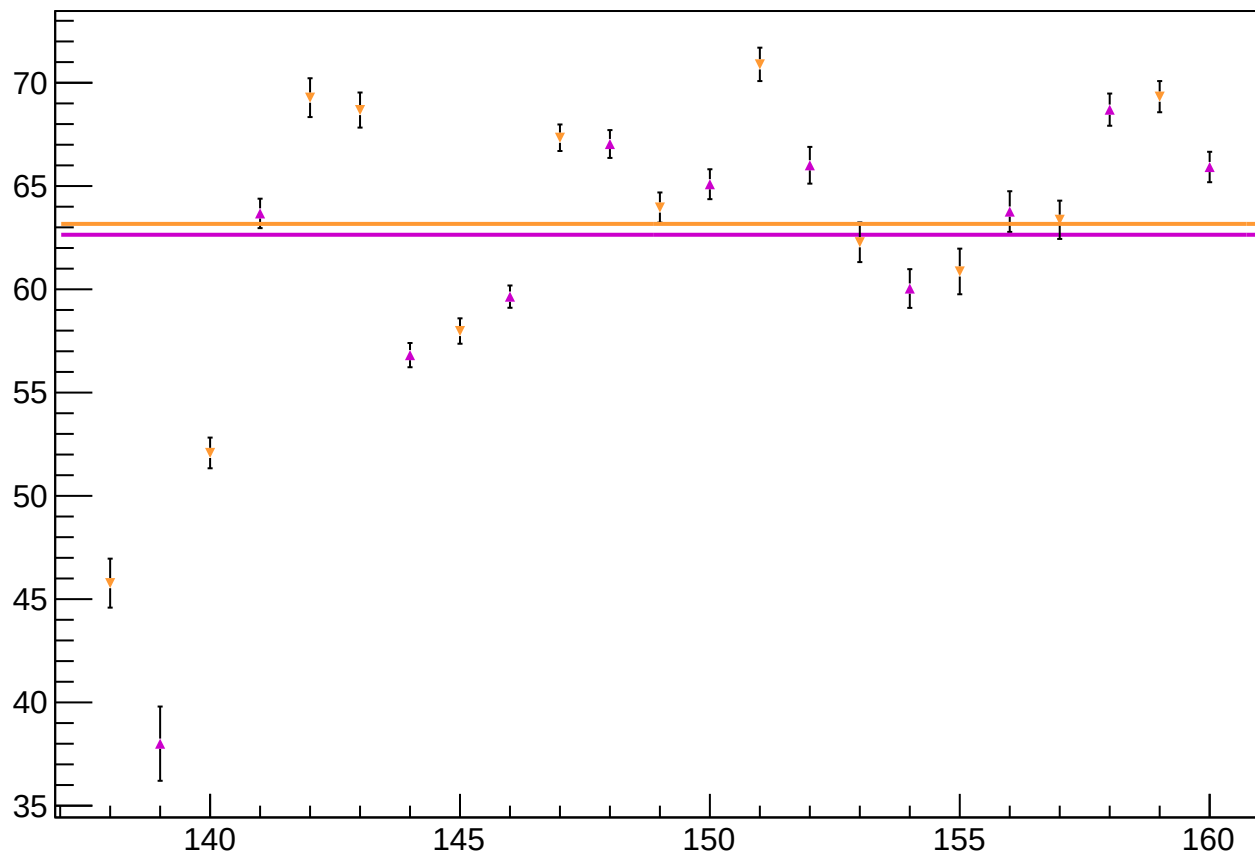
Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

In: -74.145 +/- 0.273 χ^2/NDF : 1265.6/10

Out: -73.513 +/- 0.282 χ^2/NDF : 1256.7/11

All: -73.839 +/- 0.196 χ^2/NDF : 2524.9/22

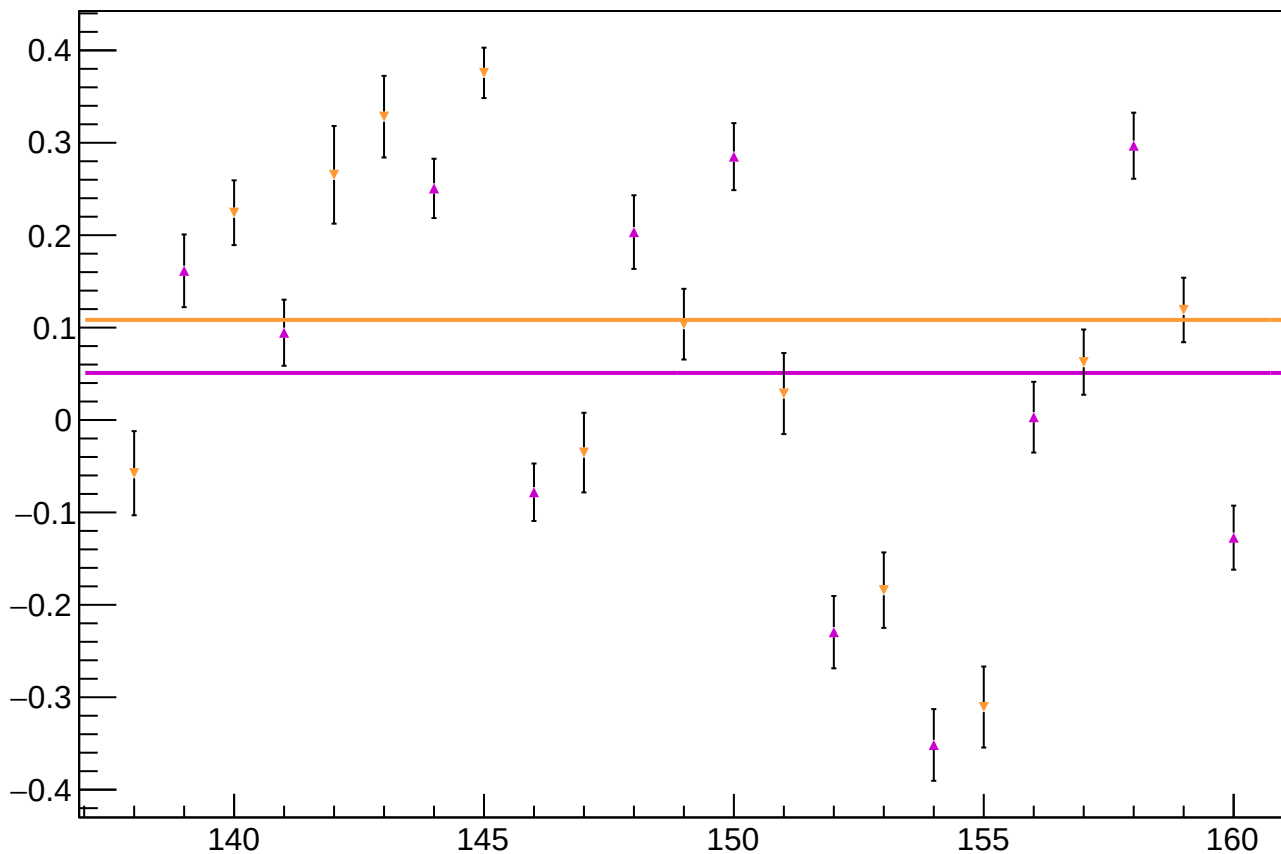
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 63.167 $\pm$ 0.233 χ^2 /NDF:800.0/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 62.641 $\pm$ 0.226 χ^2 /NDF:477.0/10

Left: 62.895 $\pm$ 0.162 χ^2 /NDF: 1279.6/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 62.641 $\pm$ 0.226 χ^2 /NDF:477.0/10
 Out: 63.167 $\pm$ 0.233 χ^2 /NDF:800.0/11
 All: 62.895 $\pm$ 0.162 χ^2 /NDF: 1279.6/22

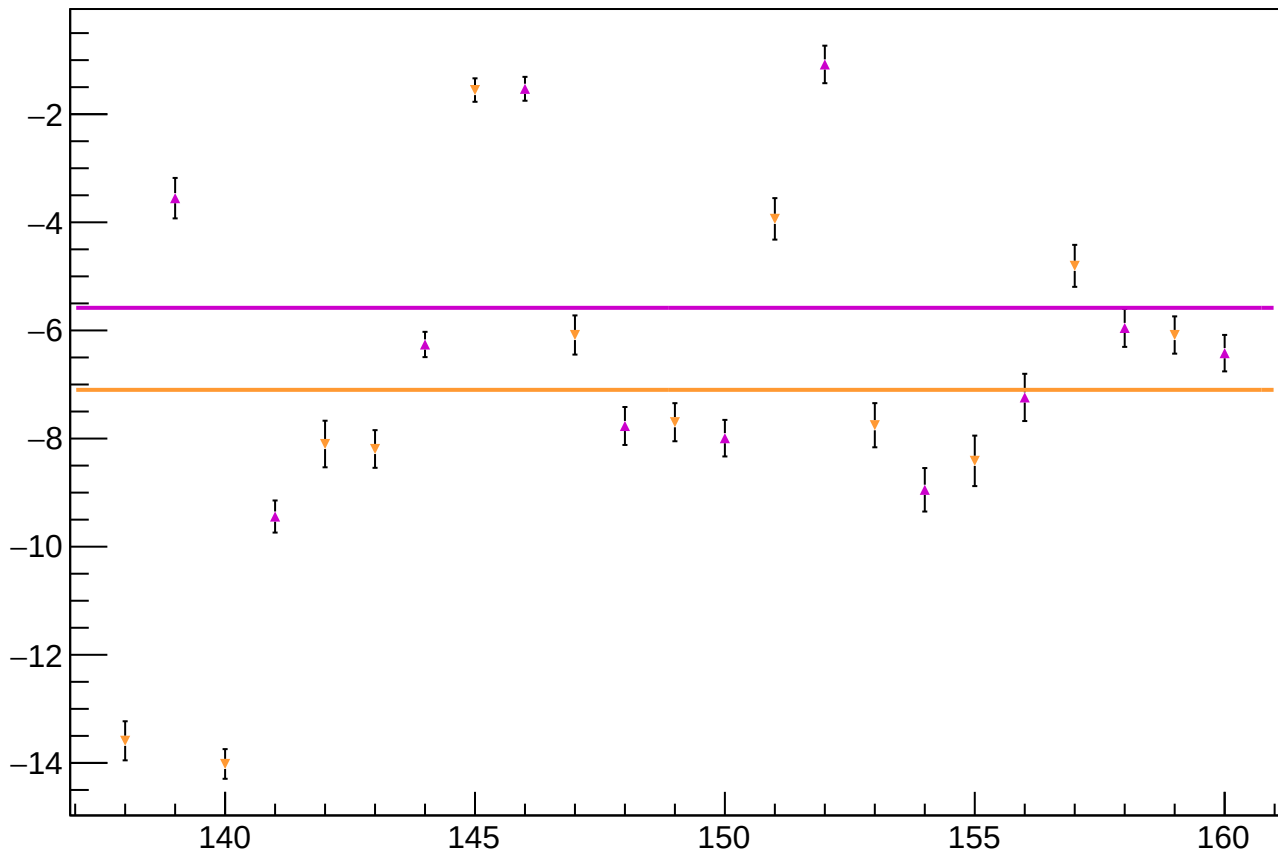
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.108 $\pm$ 0.011 χ^2 /NDF:312.9/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.051 $\pm$ 0.011 χ^2 /NDF:356.0/10

Left: 0.079 $\pm$ 0.008 χ^2 /NDF: 682.5/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.051 $\pm$ 0.011 χ^2 /NDF:356.0/10
 Out: 0.108 $\pm$ 0.011 χ^2 /NDF:312.9/11
 All: 0.079 $\pm$ 0.008 χ^2 /NDF: 682.5/22

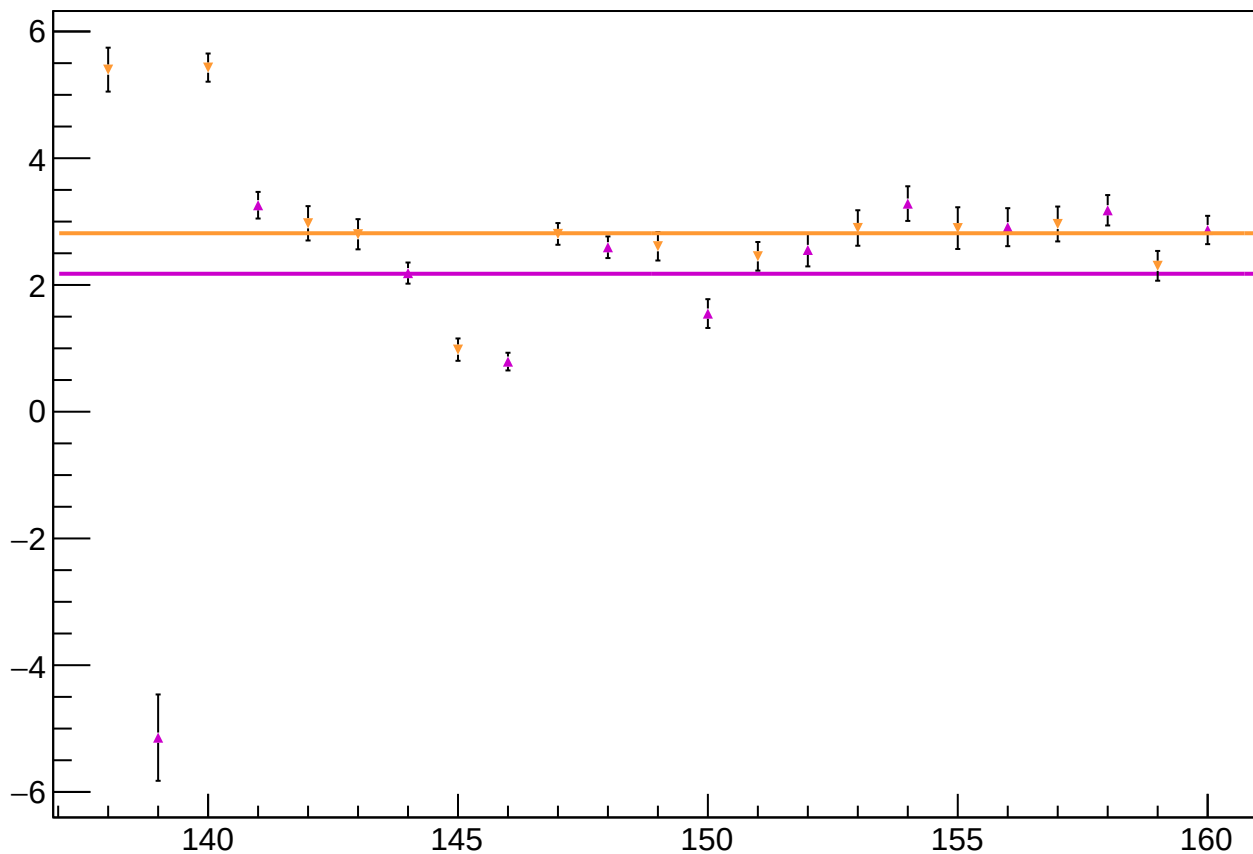
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: -7.099 +/- 0.098 χ^2/NDF : 1758.4/11
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: -5.582 +/- 0.095 χ^2/NDF : 892.9/10

Left: -6.316 +/- 0.068 χ^2/NDF : 2774.6/22
 Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 In: -5.582 +/- 0.095 χ^2/NDF : 892.9/10
 Out: -7.099 +/- 0.098 χ^2/NDF : 1758.4/11
 All: -6.316 +/- 0.068 χ^2/NDF : 2774.6/22

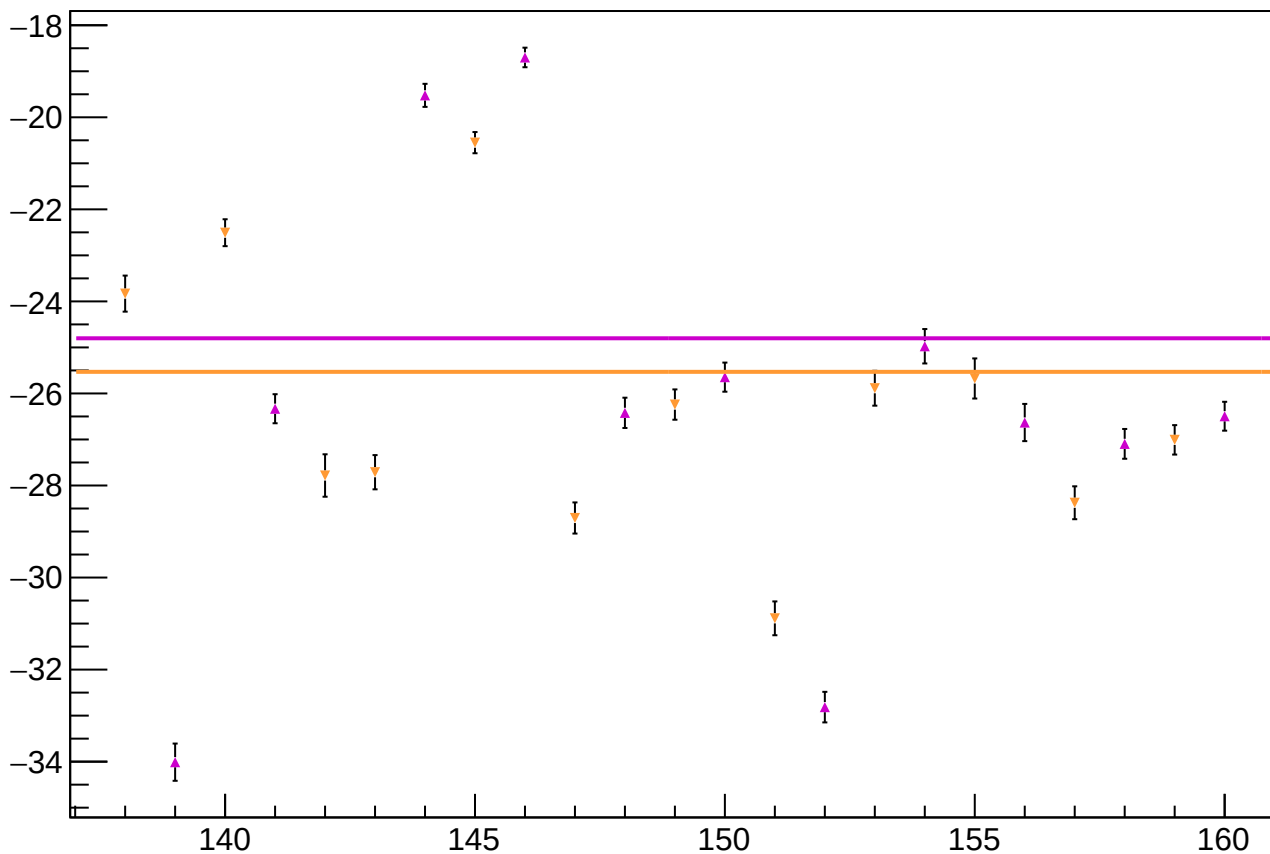
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.816+/-0.068 χ^2/NDF :311.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.177+/-0.064 χ^2/NDF :305.7/10

Left: 2.480+/-0.047 χ^2/NDF : 664.0/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.177+/-0.064 χ^2/NDF :305.7/10
 Out: 2.816+/-0.068 χ^2/NDF :311.2/11
 All: 2.480+/-0.047 χ^2/NDF : 664.0/22

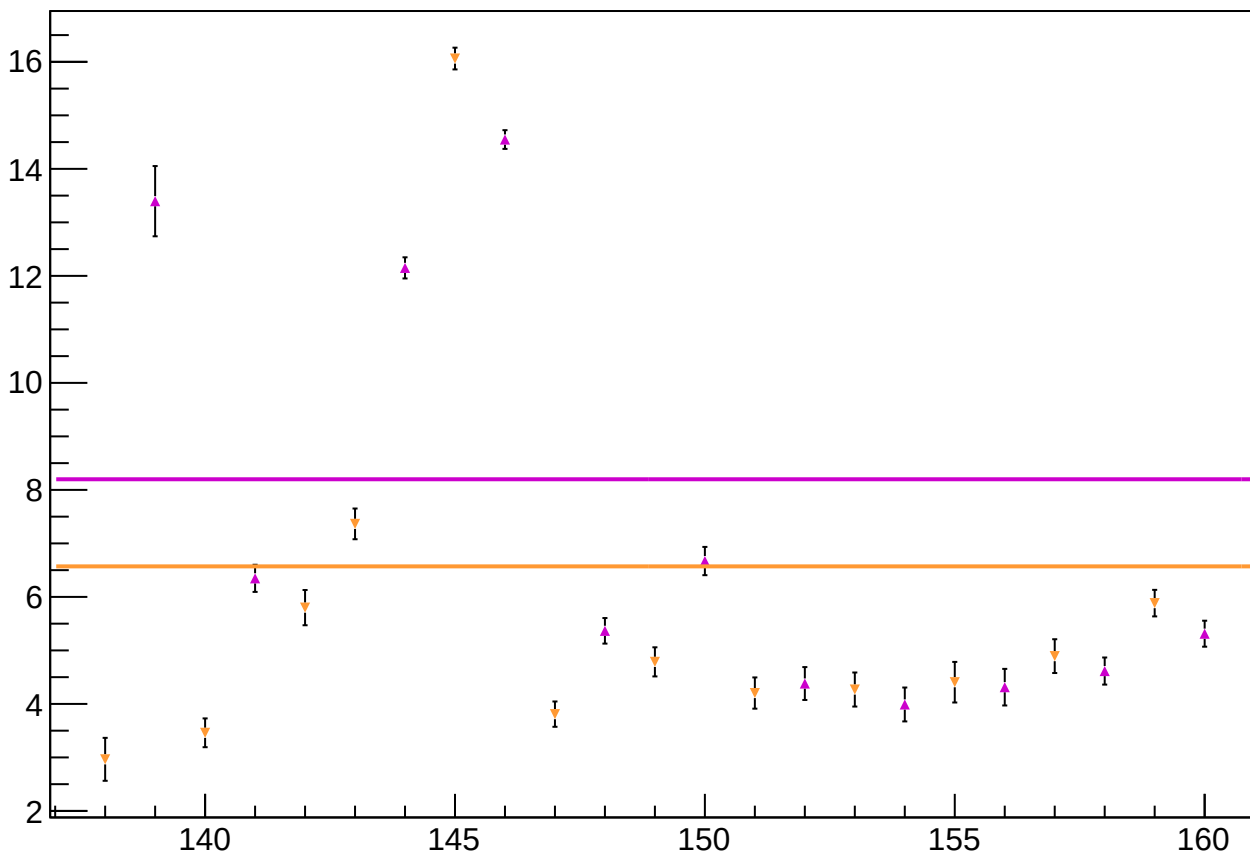
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -25.530+/-0.098 χ^2/NDF :1042.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -24.802+/-0.093 χ^2/NDF :2523.8/10

Left: -25.147+/-0.067 χ^2/NDF : 3595.0/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -24.802+/-0.093 χ^2/NDF :2523.8/10
 Out: -25.530+/-0.098 χ^2/NDF :1042.1/11
 All: -25.147+/-0.067 χ^2/NDF : 3595.0/22

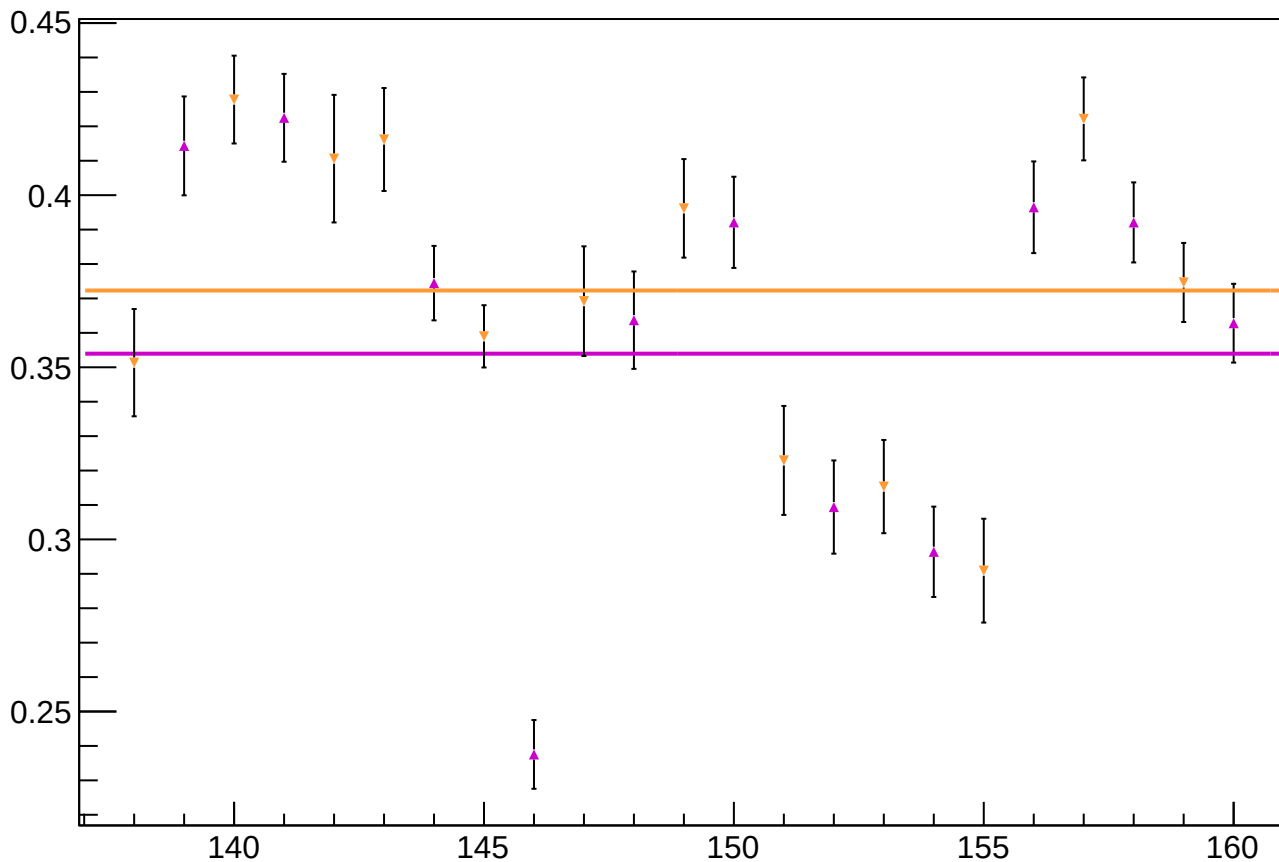
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.571+/-0.081 χ^2/NDF : 2774.9/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.199+/-0.077 χ^2/NDF : 2809.4/10

Left: 7.430+/-0.056 χ^2/NDF : 5796.7/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.199+/-0.077 χ^2/NDF : 2809.4/10
 Out: 6.571+/-0.081 χ^2/NDF : 2774.9/11
 All: 7.430+/-0.056 χ^2/NDF : 5796.7/22

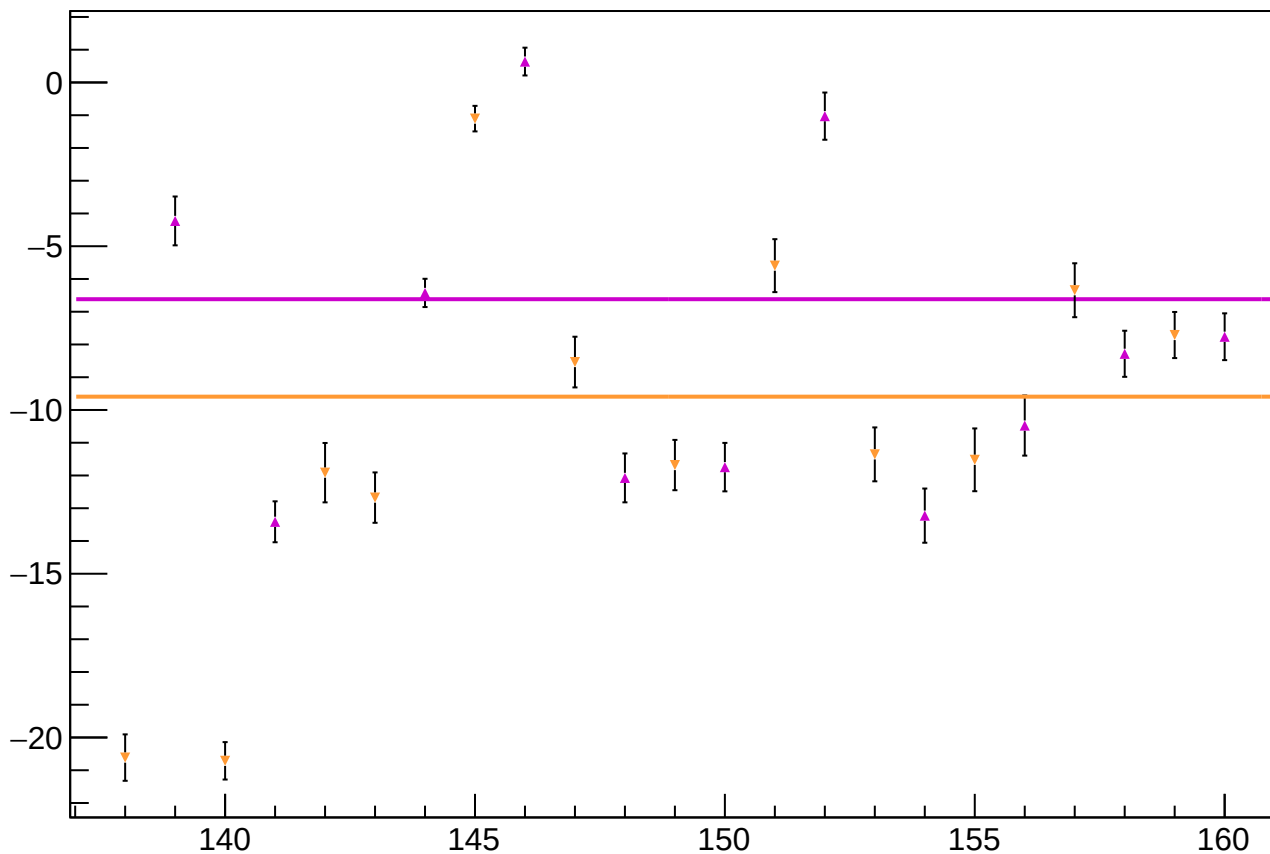
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.372+/-0.004 χ^2/NDF :112.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.354+/-0.004 χ^2/NDF :246.3/10

Left: 0.363+/-0.003 χ^2/NDF : 370.3/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.354+/-0.004 χ^2/NDF :246.3/10
 Out: 0.372+/-0.004 χ^2/NDF :112.3/11
 All: 0.363+/-0.003 χ^2/NDF : 370.3/22

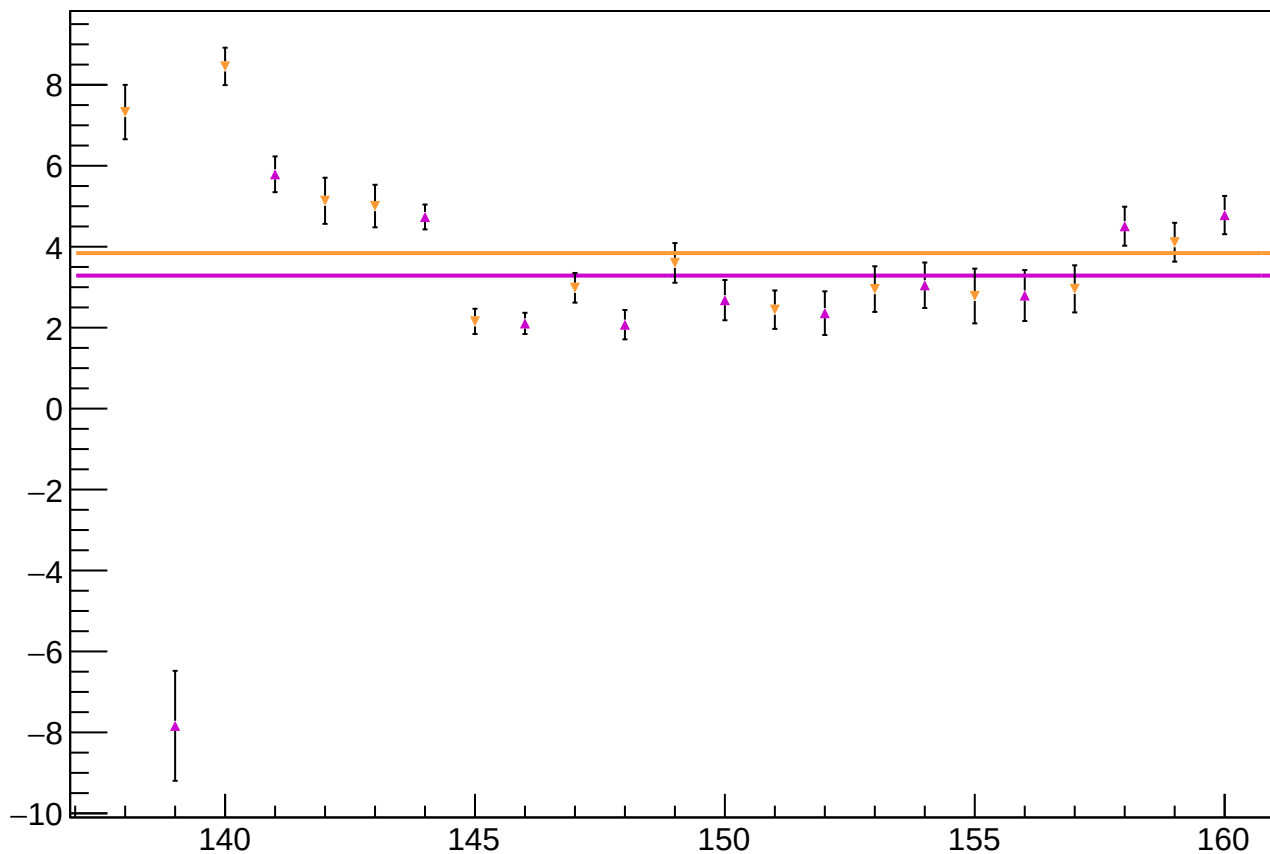
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.593 $\pm$ 0.198 χ^2 /NDF:1181.8/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.618 $\pm$ 0.191 χ^2 /NDF:672.5/10

Left: -8.050 $\pm$ 0.137 χ^2 /NDF: 1971.4/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.618 $\pm$ 0.191 χ^2 /NDF:672.5/10
 Out: -9.593 $\pm$ 0.198 χ^2 /NDF:1181.8/11
 All: -8.050 $\pm$ 0.137 χ^2 /NDF: 1971.4/22

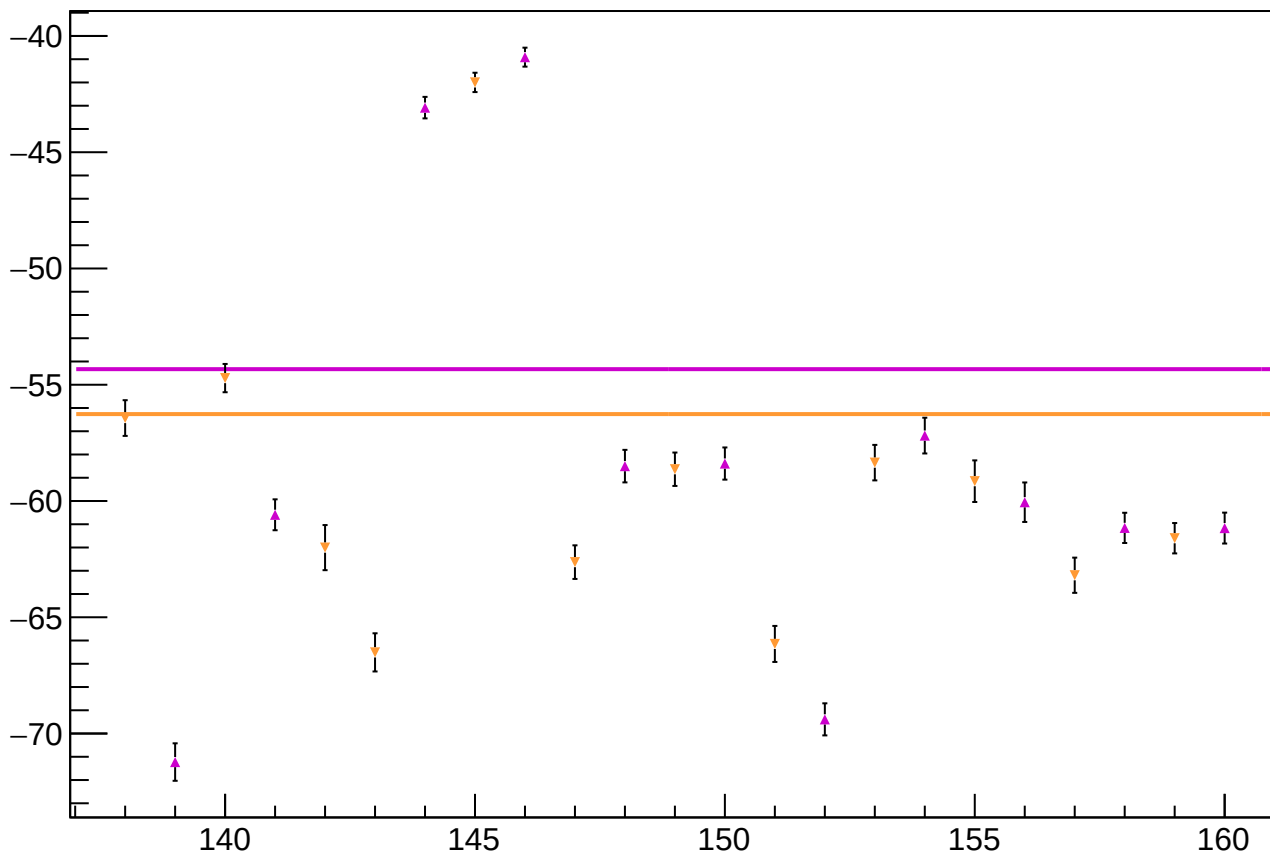
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.843+/-0.138 χ^2/NDF :187.7/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.287+/-0.129 χ^2/NDF :174.5/10

Left: 3.545+/-0.094 χ^2/NDF : 370.9/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.287+/-0.129 χ^2/NDF :174.5/10
 Out: 3.843+/-0.138 χ^2/NDF :187.7/11
 All: 3.545+/-0.094 χ^2/NDF : 370.9/22

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -56.262+/-0.199 χ^2/NDF :1793.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -54.330+/-0.188 χ^2/NDF :3024.8/10

Left: -55.240+/-0.136 χ^2/NDF : 4868.4/22

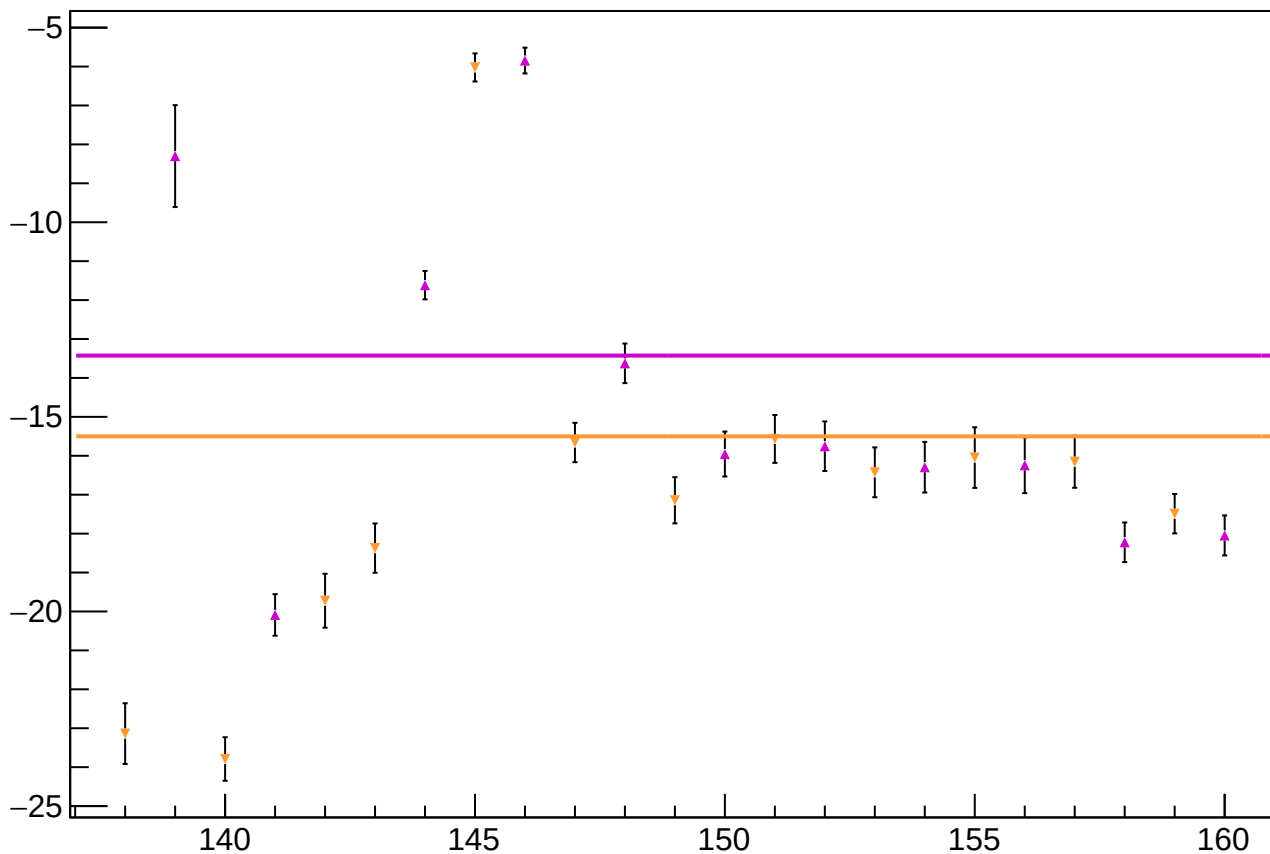
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -54.330+/-0.188 χ^2/NDF :3024.8/10

Out: -56.262+/-0.199 χ^2/NDF :1793.6/11

All: -55.240+/-0.136 χ^2/NDF : 4868.4/22

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected

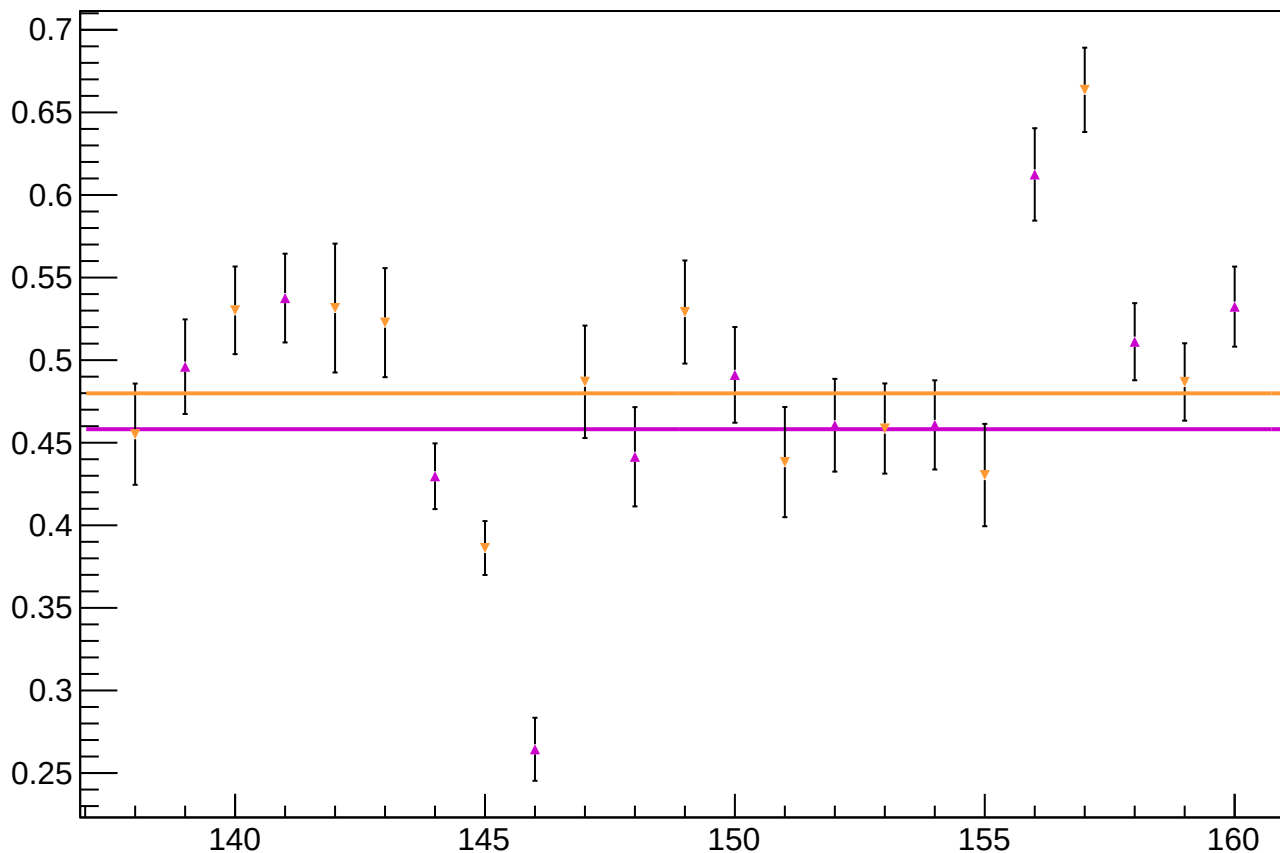


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -15.501+/-0.165 χ^2/NDF :1089.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -13.426+/-0.154 χ^2/NDF :956.9/10

Left: -14.393+/-0.113 χ^2/NDF : 2130.6/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -13.426+/-0.154 χ^2/NDF :956.9/10
 Out: -15.501+/-0.165 χ^2/NDF :1089.3/11

All: -14.393+/-0.113 χ^2/NDF : 2130.6/22

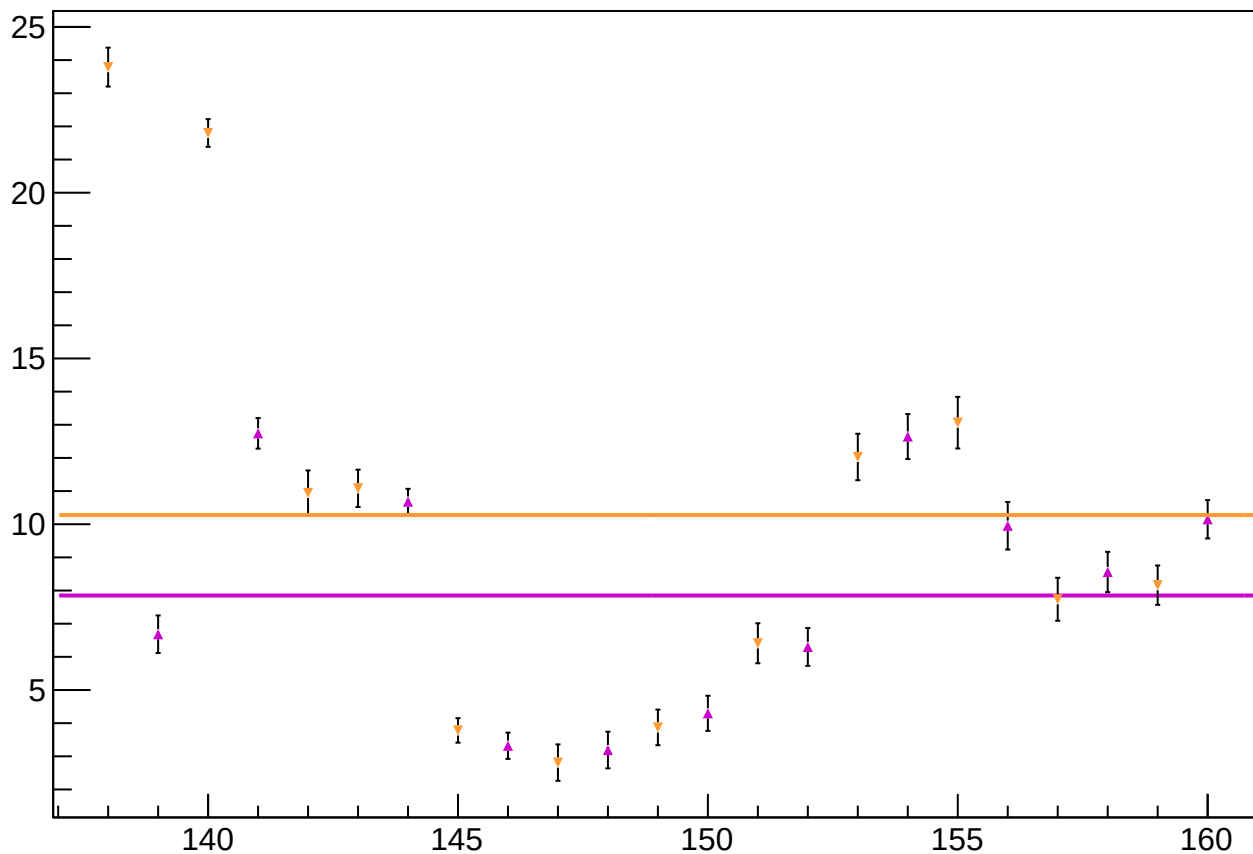
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.480 $\pm$ 0.008 χ^2 /NDF:99.8/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.458 $\pm$ 0.008 χ^2 /NDF:162.2/10

Left: 0.469 $\pm$ 0.005 χ^2 /NDF: 265.9/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.458 $\pm$ 0.008 χ^2 /NDF:162.2/10
 Out: 0.480 $\pm$ 0.008 χ^2 /NDF:99.8/11
 All: 0.469 $\pm$ 0.005 χ^2 /NDF: 265.9/22

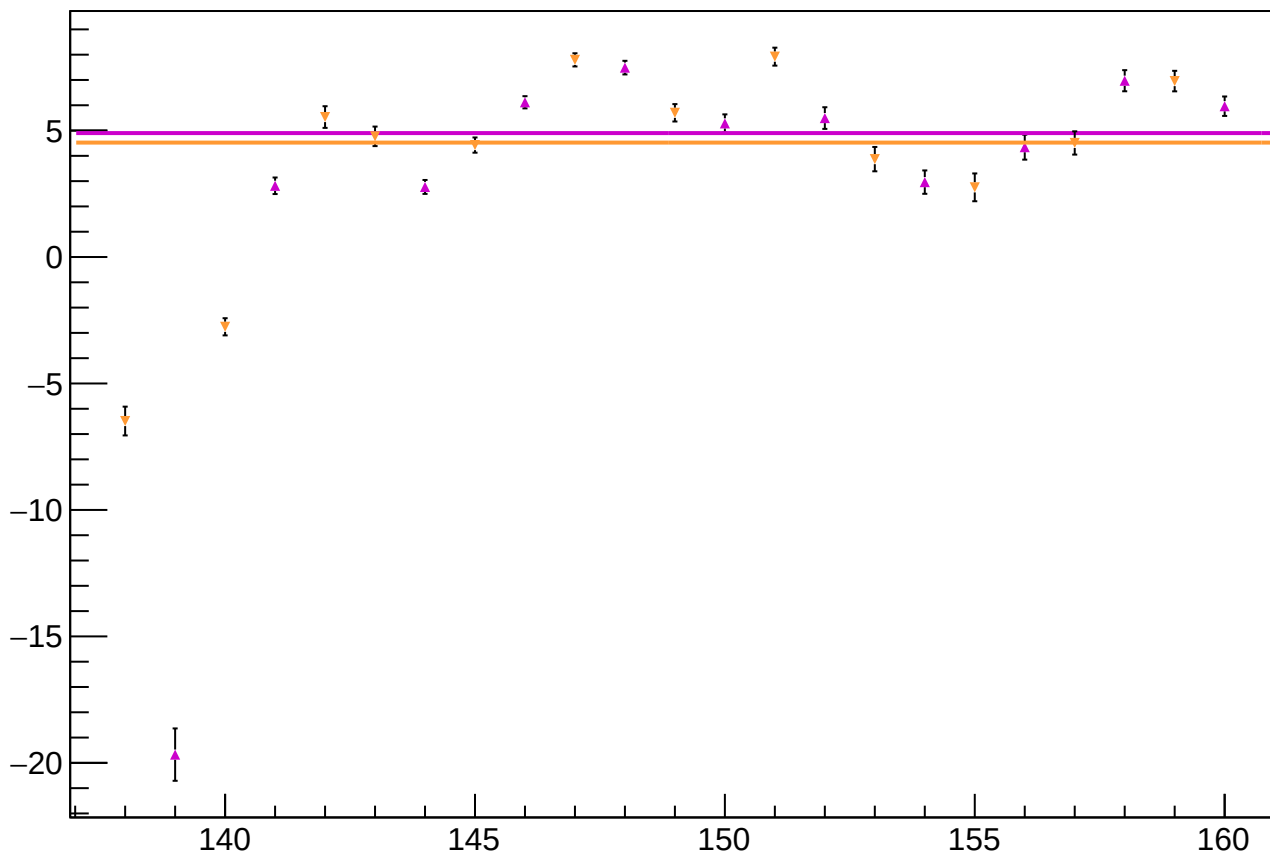
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 10.277+/-0.159 χ^2/NDF :2017.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.850+/-0.157 χ^2/NDF :500.9/10

Left: 9.050+/-0.112 χ^2/NDF : 2636.2/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.850+/-0.157 χ^2/NDF :500.9/10
 Out: 10.277+/-0.159 χ^2/NDF :2017.0/11
 All: 9.050+/-0.112 χ^2/NDF : 2636.2/22

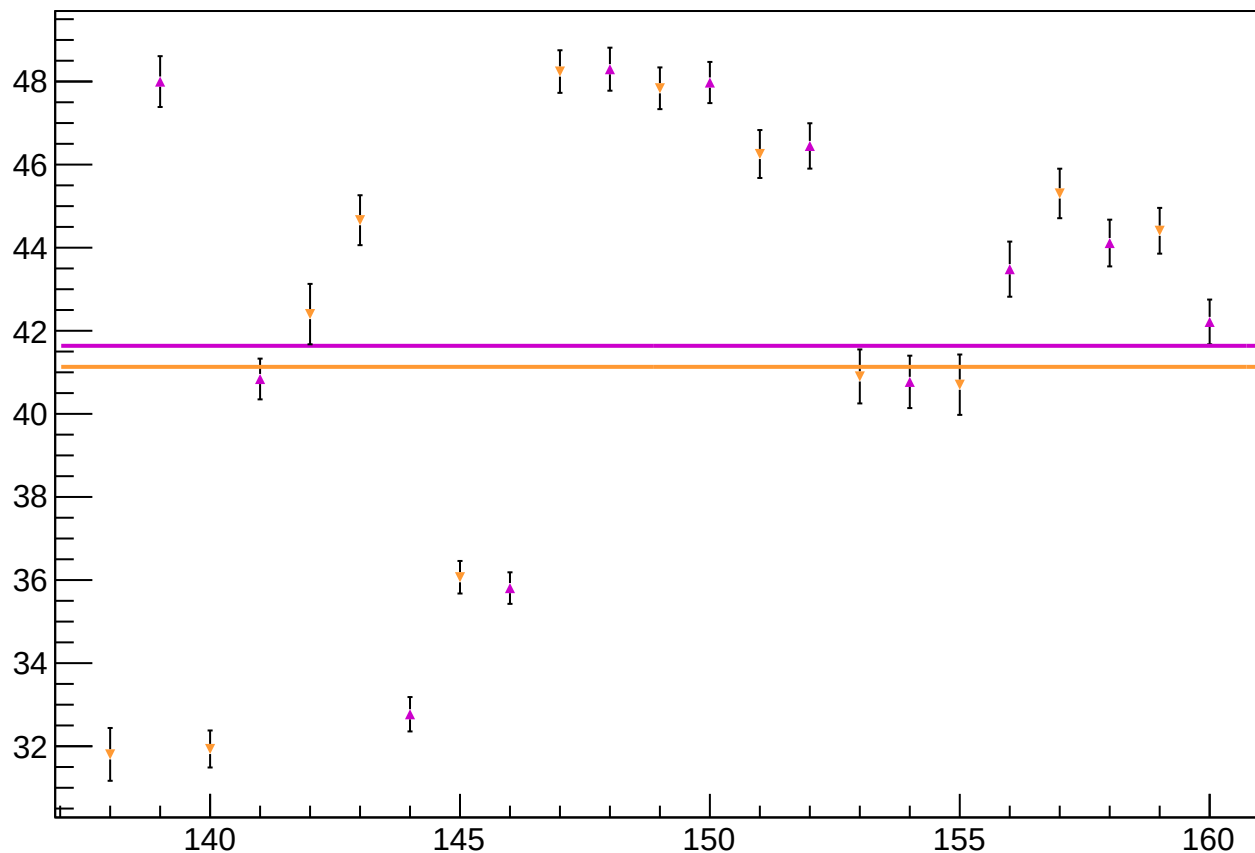
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.524+/-0.109 χ^2/NDF :1149.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.900+/-0.106 χ^2/NDF :835.8/10

Left: 4.717+/-0.076 χ^2/NDF : 1991.0/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.900+/-0.106 χ^2/NDF :835.8/10
 Out: 4.524+/-0.109 χ^2/NDF :1149.2/11
 All: 4.717+/-0.076 χ^2/NDF : 1991.0/22

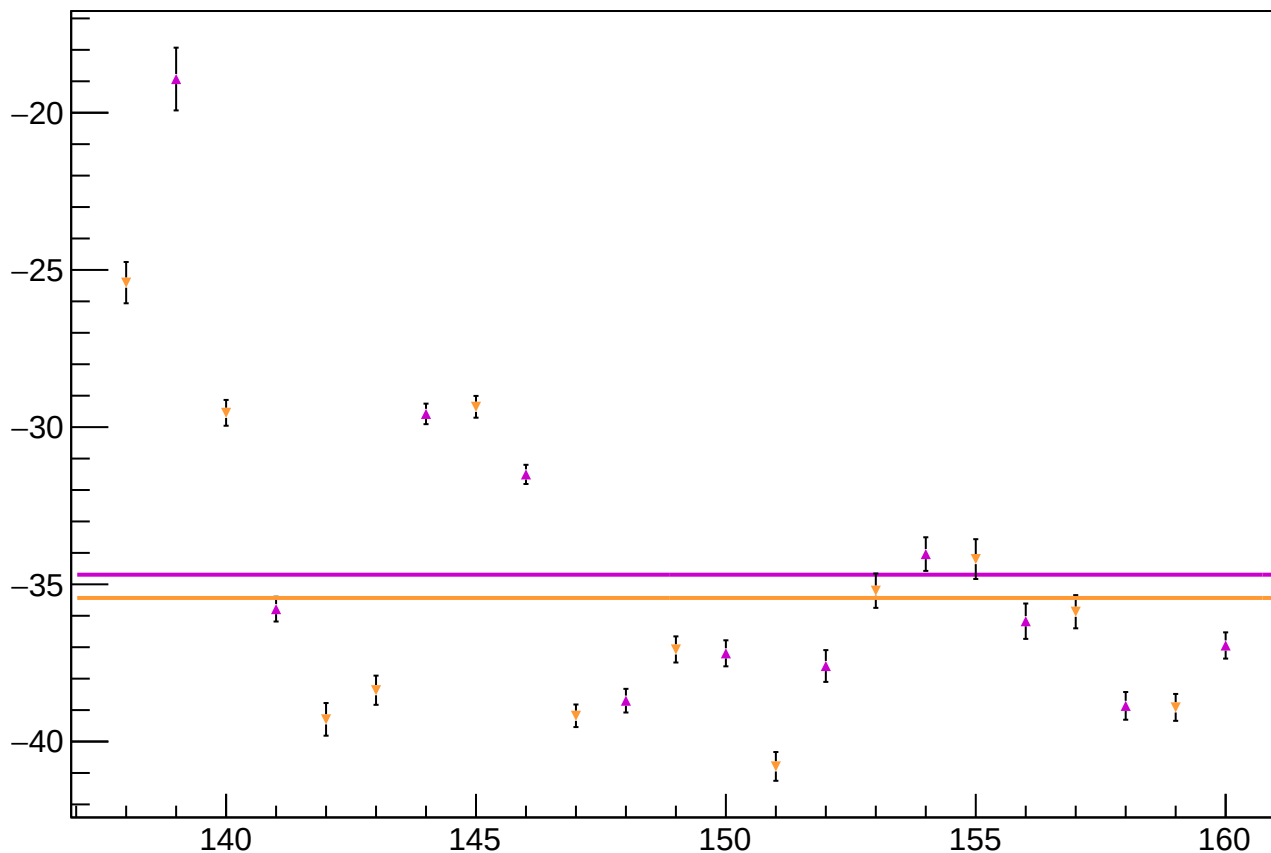
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 41.132+/-0.158 χ^2/NDF :1380.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 41.638+/-0.154 χ^2/NDF :1242.4/10

Left: 41.392+/-0.110 χ^2/NDF : 2628.3/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 41.638+/-0.154 χ^2/NDF :1242.4/10
 Out: 41.132+/-0.158 χ^2/NDF :1380.6/11
 All: 41.392+/-0.110 χ^2/NDF : 2628.3/22

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -35.433+/-0.131 χ^2/NDF :1174.4/11

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

Left In: -34.693+/-0.127 χ^2/NDF :922.2/10

Left: -35.052+/-0.091 χ^2/NDF : 2113.0/22

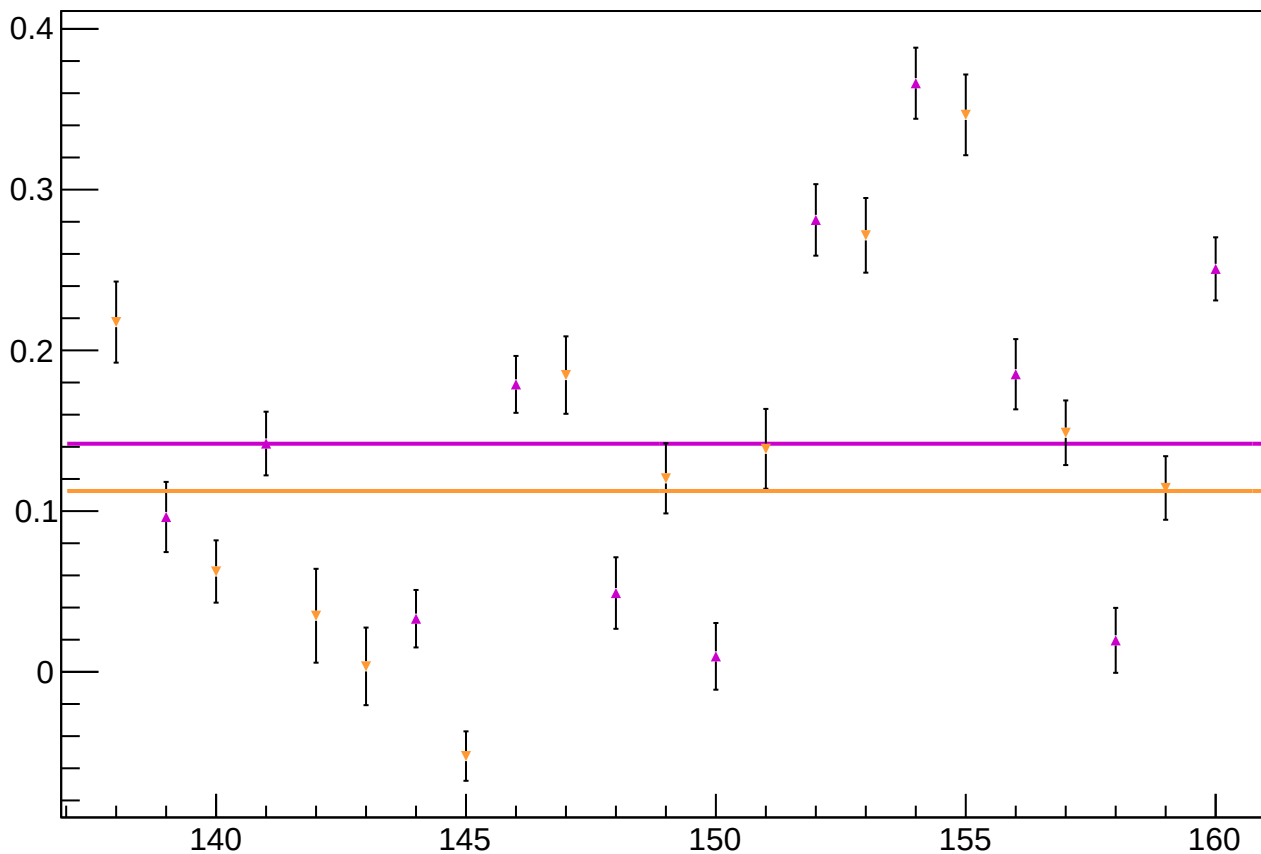
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -34.693+/-0.127 χ^2/NDF :922.2/10

Out: -35.433+/-0.131 χ^2/NDF :1174.4/11

All: -35.052+/-0.091 χ^2/NDF : 2113.0/22

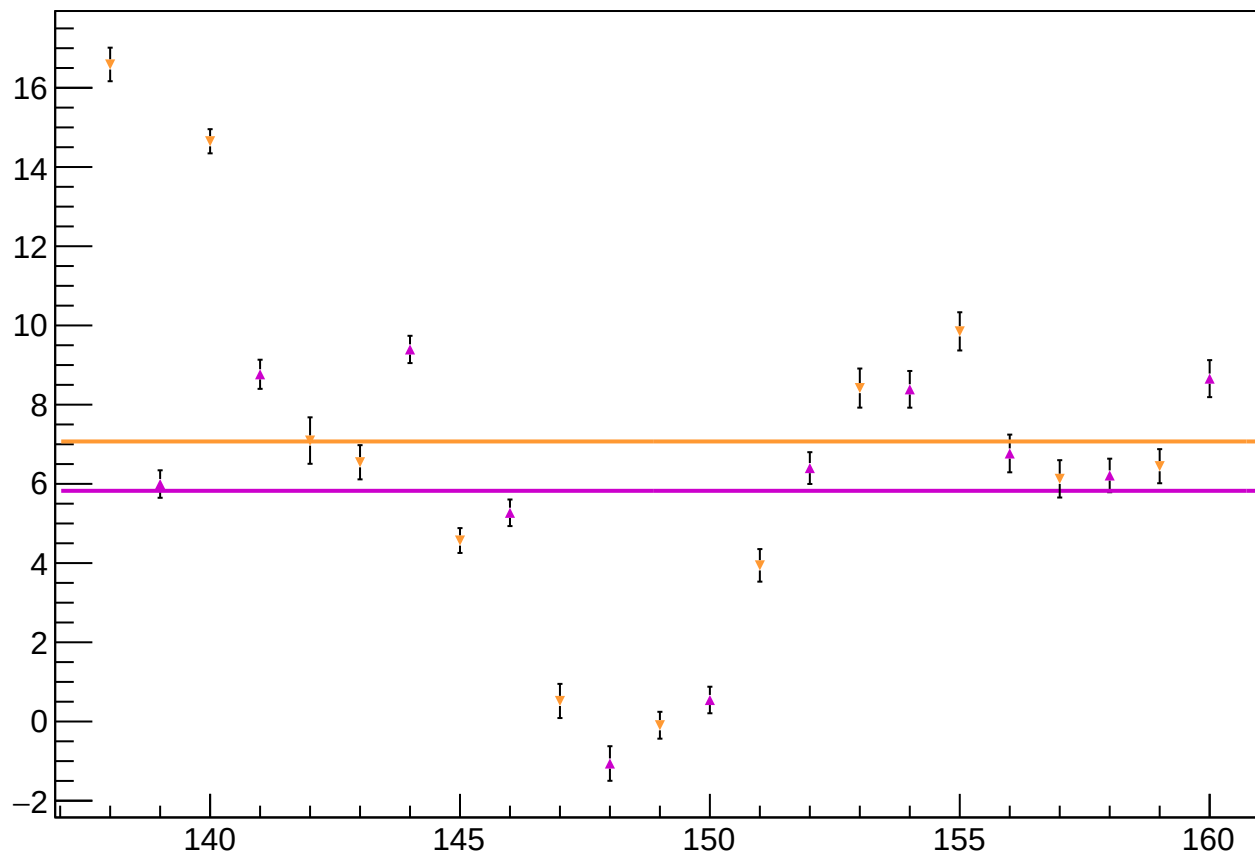
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.113+/-0.006 χ^2/NDF :313.7/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.142+/-0.006 χ^2/NDF :317.1/10

Left: 0.128+/-0.004 χ^2/NDF : 642.0/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.142+/-0.006 χ^2/NDF :317.1/10
 Out: 0.113+/-0.006 χ^2/NDF :313.7/11
 All: 0.128+/-0.004 χ^2/NDF : 642.0/22

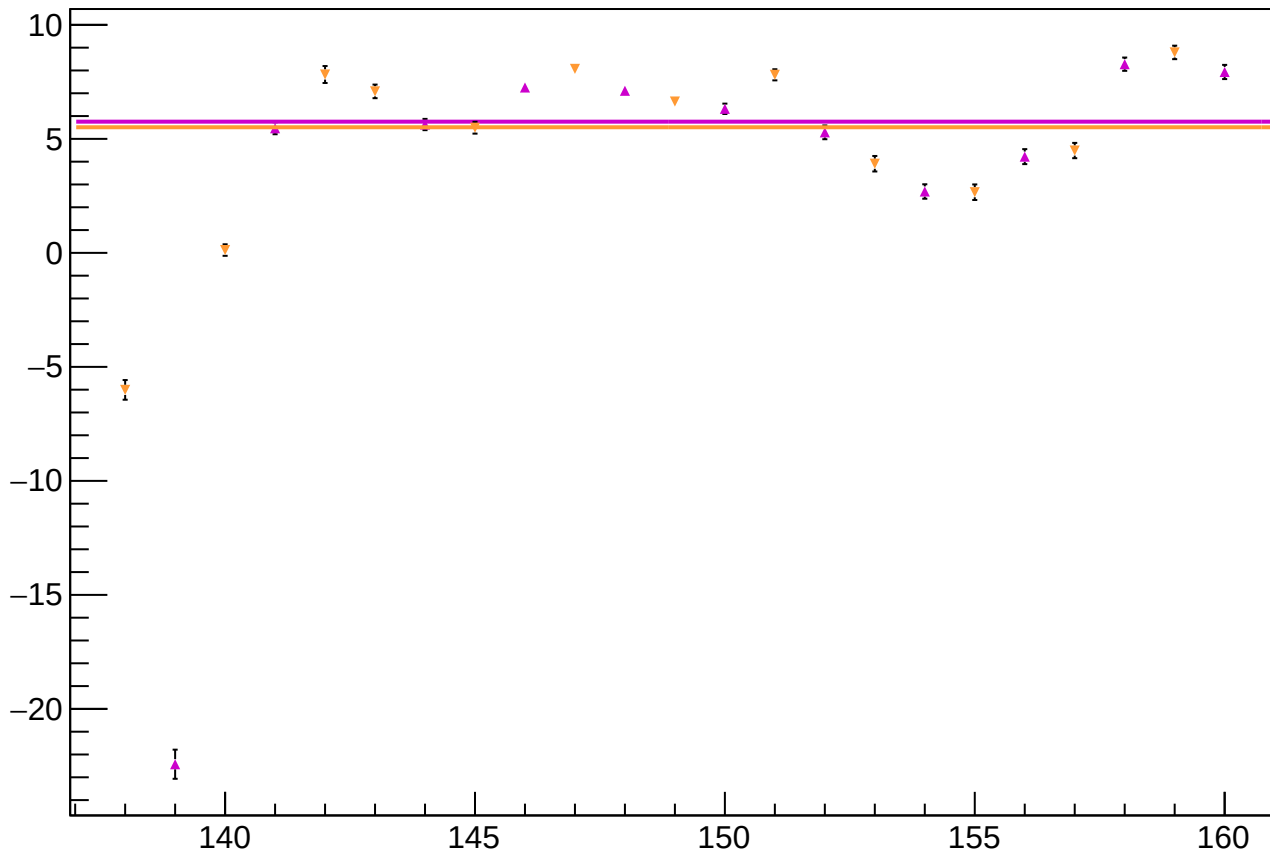
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.071+/-0.117 χ^2 /NDF:1968.3/11
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: 5.825+/-0.117 χ^2 /NDF:745.6/10

Left: 6.450+/-0.083 χ^2 /NDF: 2770.4/22
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: 5.825+/-0.117 χ^2 /NDF:745.6/10
 Out: 7.071+/-0.117 χ^2 /NDF:1968.3/11
 All: 6.450+/-0.083 χ^2 /NDF: 2770.4/22

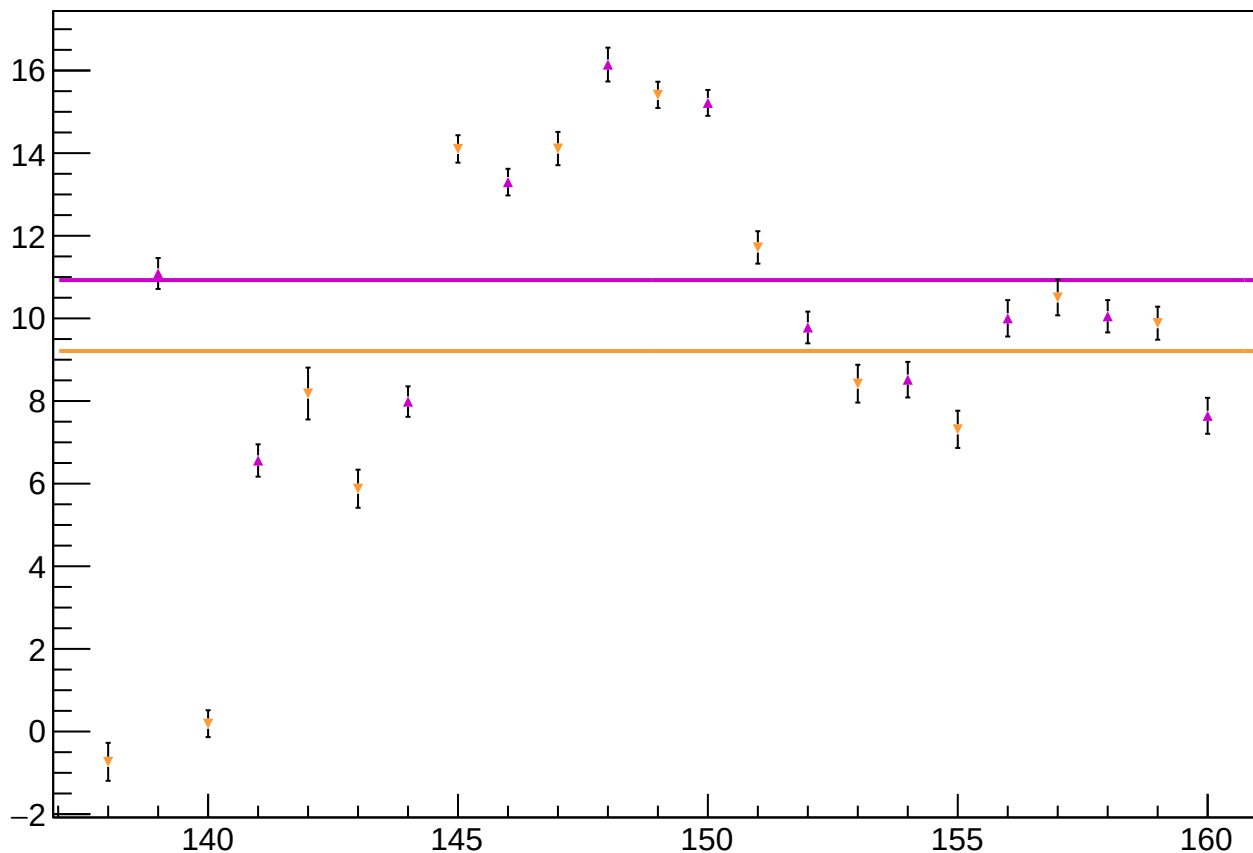
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.509+/-0.081 χ^2/NDF :1725.7/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.755+/-0.082 χ^2/NDF :2283.3/10

Left: 5.630+/-0.058 χ^2/NDF : 4013.5/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.755+/-0.082 χ^2/NDF :2283.3/10
 Out: 5.509+/-0.081 χ^2/NDF :1725.7/11
 All: 5.630+/-0.058 χ^2/NDF : 4013.5/22

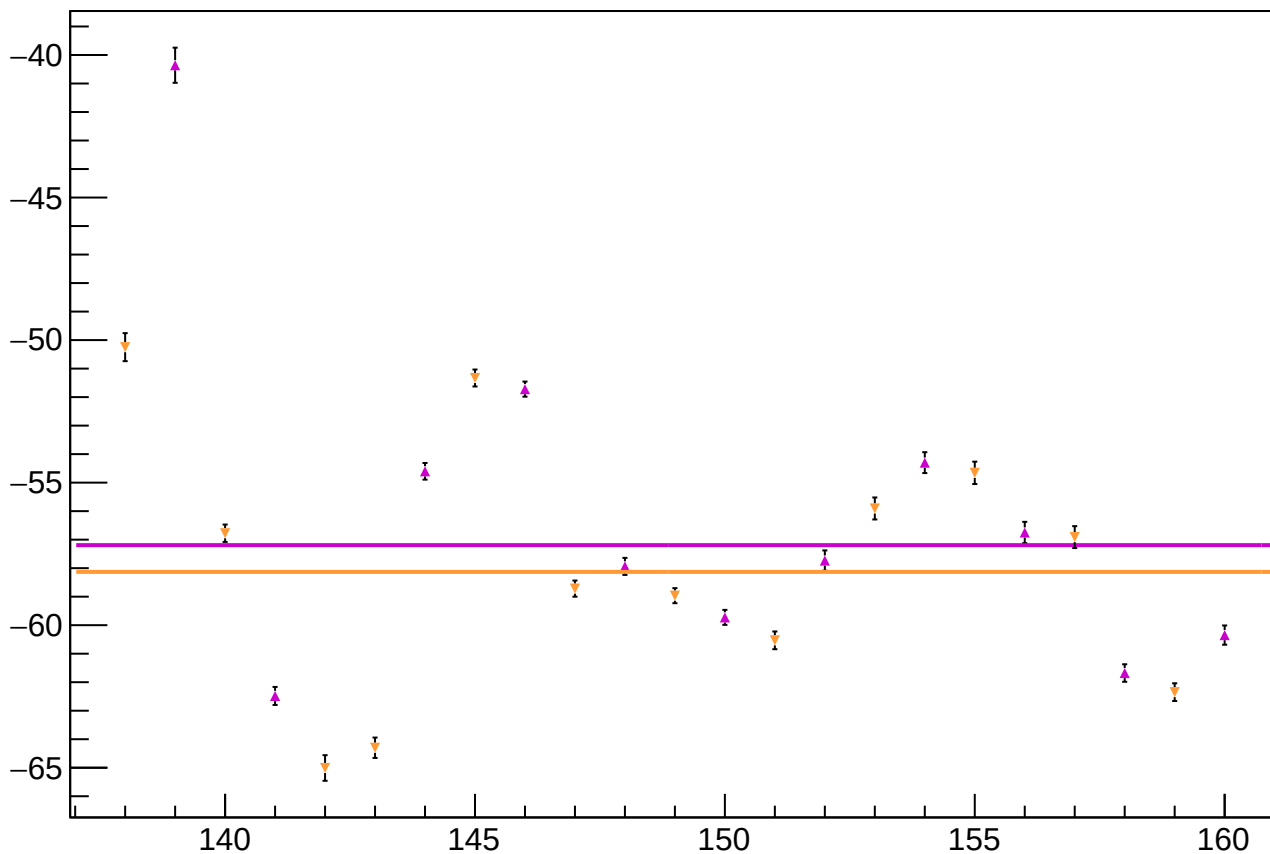
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 9.210+/-0.116 χ^2/NDF :2113.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.928+/-0.115 χ^2/NDF :698.9/10

Left: 10.078+/-0.082 χ^2/NDF : 2923.6/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 10.928+/-0.115 χ^2/NDF :698.9/10
 Out: 9.210+/-0.116 χ^2/NDF :2113.8/11
 All: 10.078+/-0.082 χ^2/NDF : 2923.6/22

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -58.130+/-0.097 χ^2/NDF :1711.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -57.193+/-0.097 χ^2/NDF :1997.3/10

Left: -57.662+/-0.069 χ^2/NDF : 3755.3/22

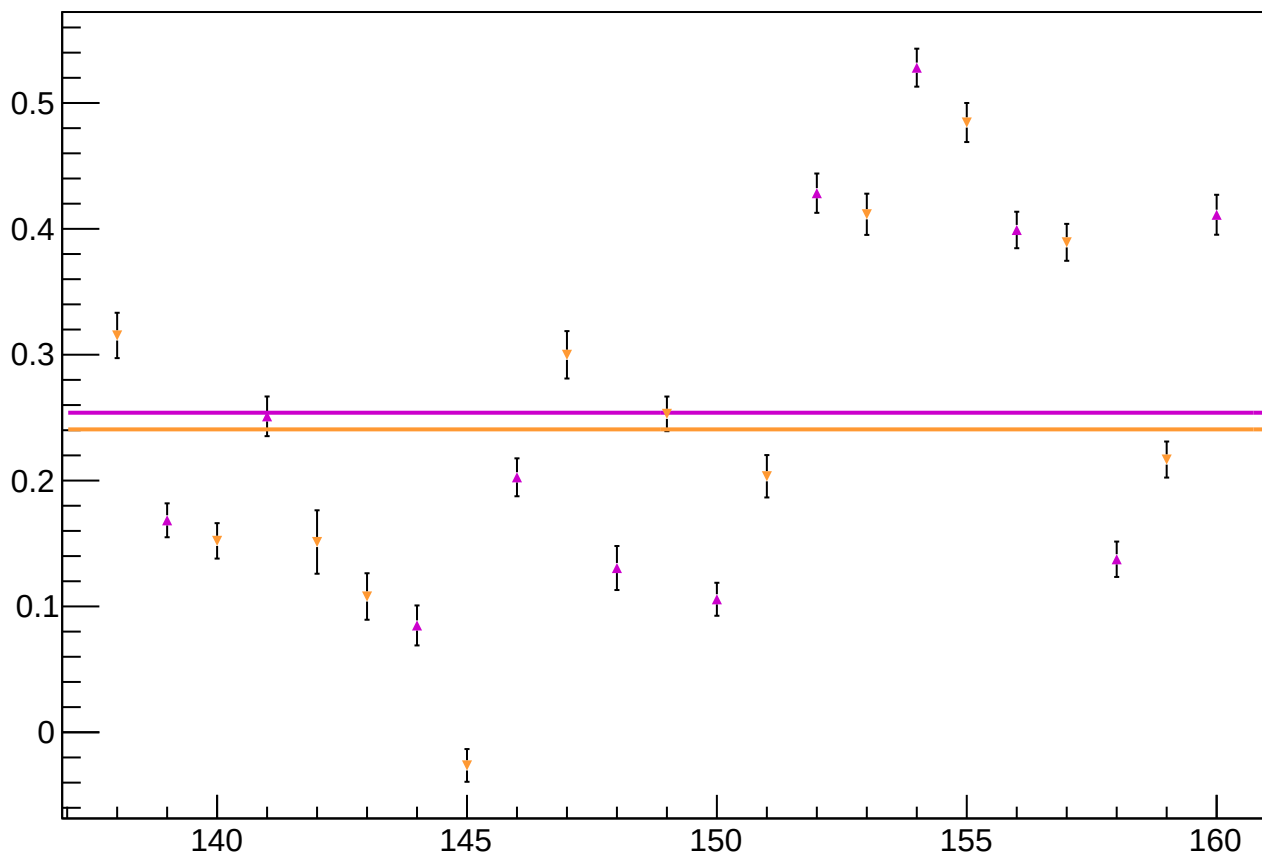
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -57.193+/-0.097 χ^2/NDF :1997.3/10

Out: -58.130+/-0.097 χ^2/NDF :1711.3/11

All: -57.662+/-0.069 χ^2/NDF : 3755.3/22

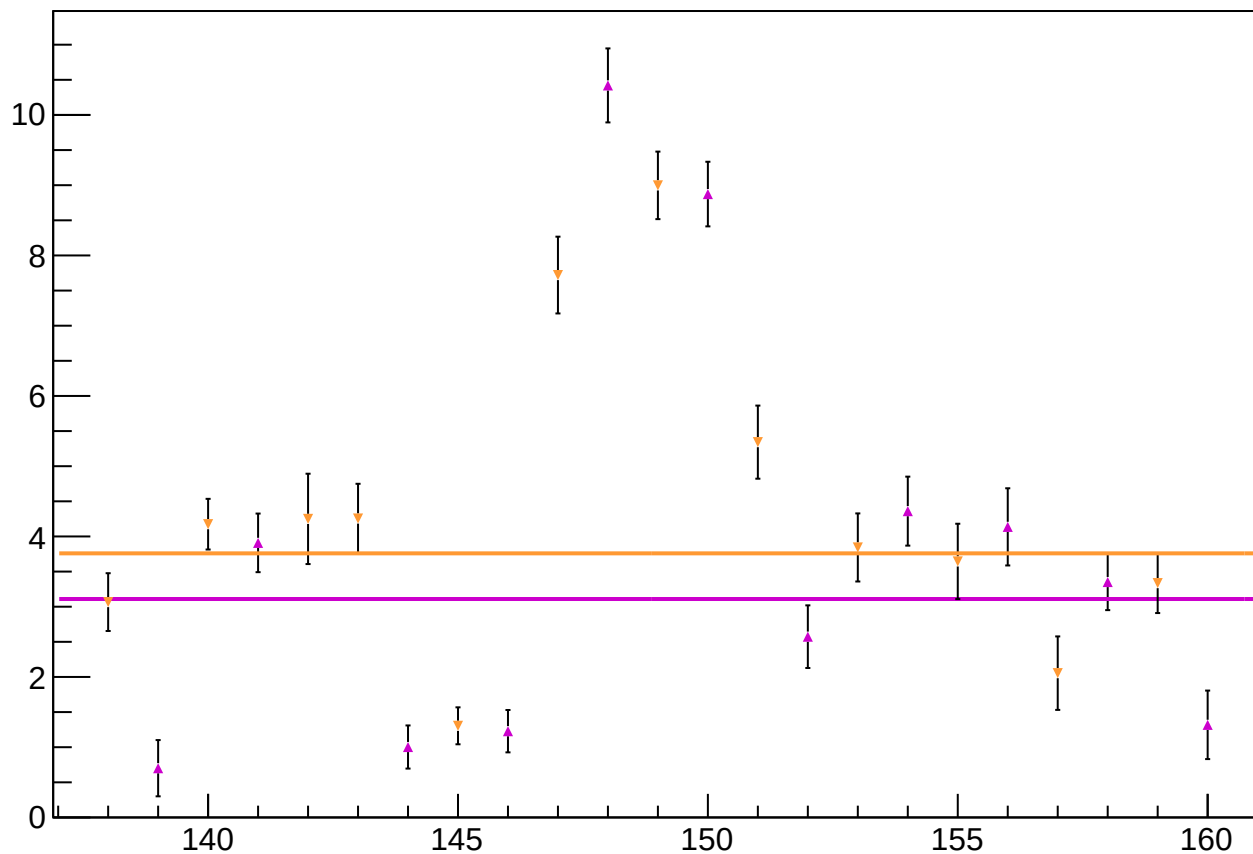
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.241 $\pm$ 0.005 χ^2 /NDF:1019.0/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.254 $\pm$ 0.005 χ^2 /NDF:1064.7/10

Left: 0.247 $\pm$ 0.003 χ^2 /NDF: 2087.9/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.254 $\pm$ 0.005 χ^2 /NDF:1064.7/10
 Out: 0.241 $\pm$ 0.005 χ^2 /NDF:1019.0/11
 All: 0.247 $\pm$ 0.003 χ^2 /NDF: 2087.9/22

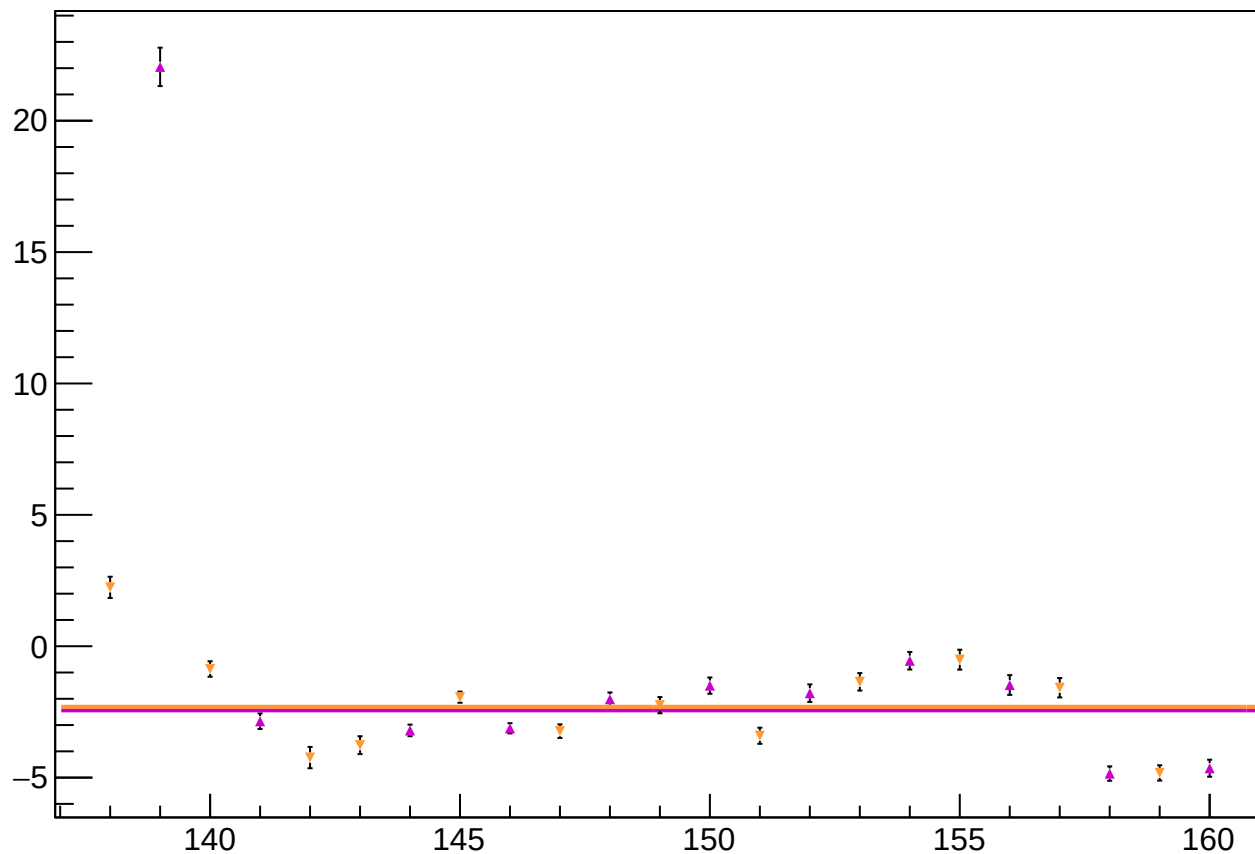
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.759 $\pm$ 0.126 χ^2 /NDF:285.2/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.110 $\pm$ 0.124 χ^2 /NDF:500.9/10

Left: 3.429 $\pm$ 0.088 χ^2 /NDF: 799.6/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.110 $\pm$ 0.124 χ^2 /NDF:500.9/10
 Out: 3.759 $\pm$ 0.126 χ^2 /NDF:285.2/11
 All: 3.429 $\pm$ 0.088 χ^2 /NDF: 799.6/22

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



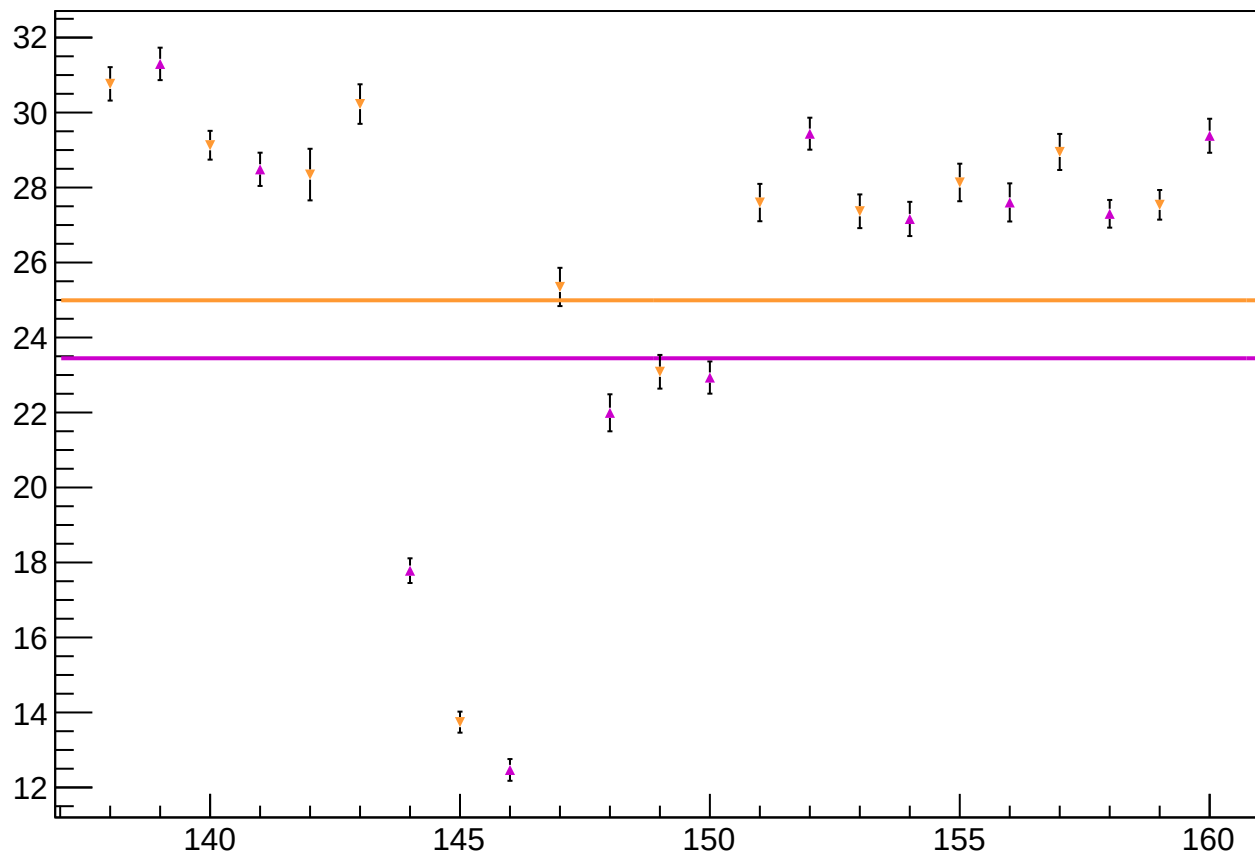
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.304+/-0.089 χ^2/NDF :329.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.440+/-0.086 χ^2/NDF :1326.1/10

Left: -2.374+/-0.062 χ^2/NDF : 1656.5/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.440+/-0.086 χ^2/NDF :1326.1/10
 Out: -2.304+/-0.089 χ^2/NDF :329.1/11

All: -2.374+/-0.062 χ^2/NDF : 1656.5/22

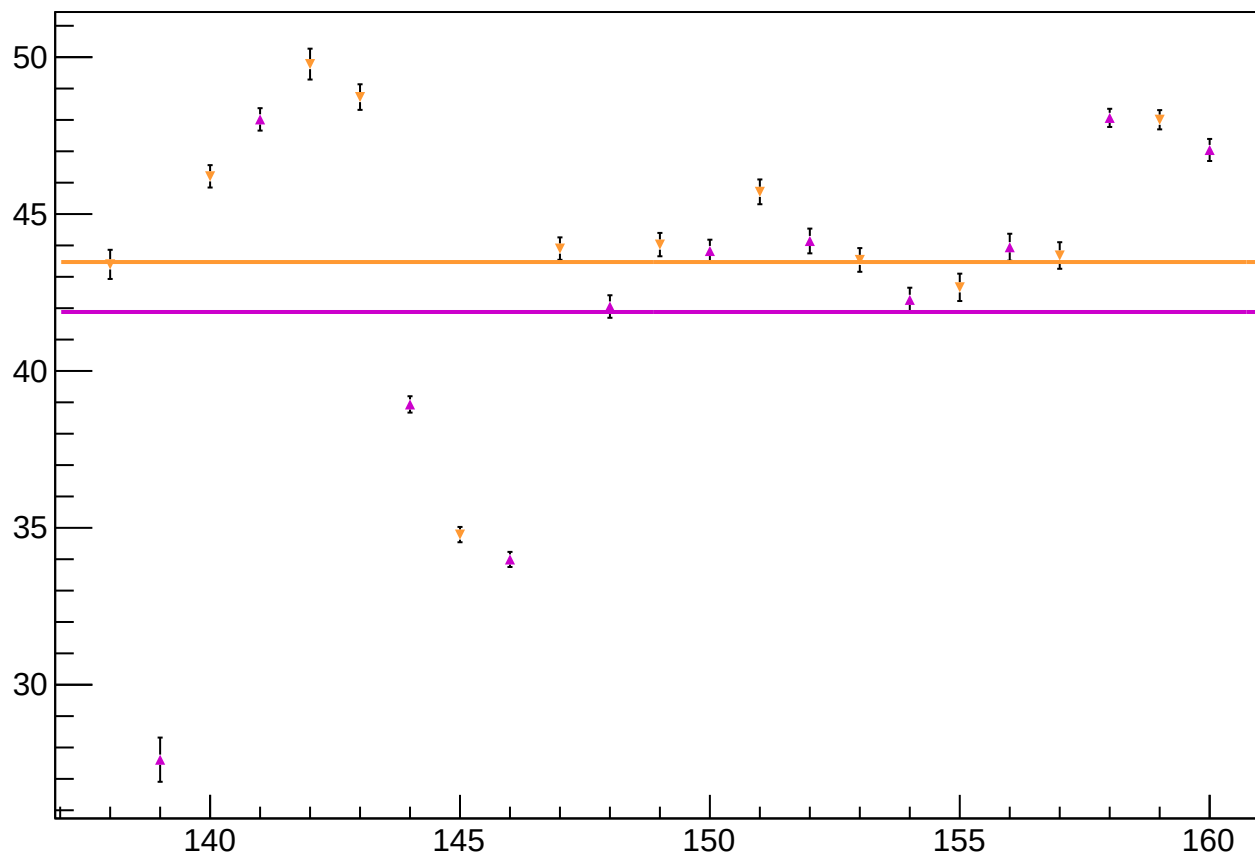
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 24.992 $\pm$ 0.126 χ^2 /NDF:2238.8/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 23.446 $\pm$ 0.122 χ^2 /NDF:2807.3/10

Left: 24.192 $\pm$ 0.088 χ^2 /NDF: 5123.7/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 23.446 $\pm$ 0.122 χ^2 /NDF:2807.3/10
 Out: 24.992 $\pm$ 0.126 χ^2 /NDF:2238.8/11
 All: 24.192 $\pm$ 0.088 χ^2 /NDF: 5123.7/22

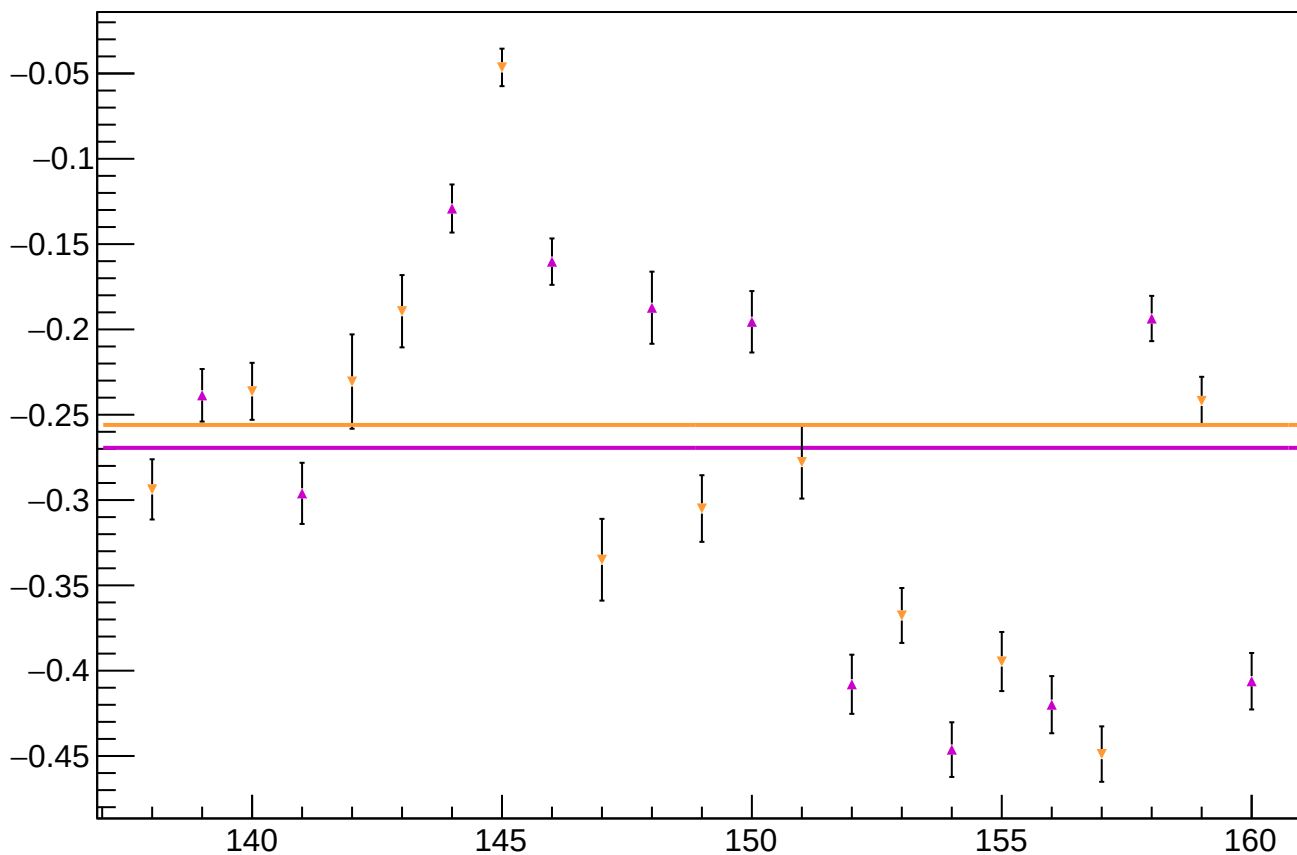
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 43.471+/-0.106 χ^2/NDF :1914.5/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 41.879+/-0.102 χ^2/NDF :2666.0/10

Left: 42.647+/-0.073 χ^2/NDF : 4697.7/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 41.879+/-0.102 χ^2/NDF :2666.0/10
 Out: 43.471+/-0.106 χ^2/NDF :1914.5/11
 All: 42.647+/-0.073 χ^2/NDF : 4697.7/22

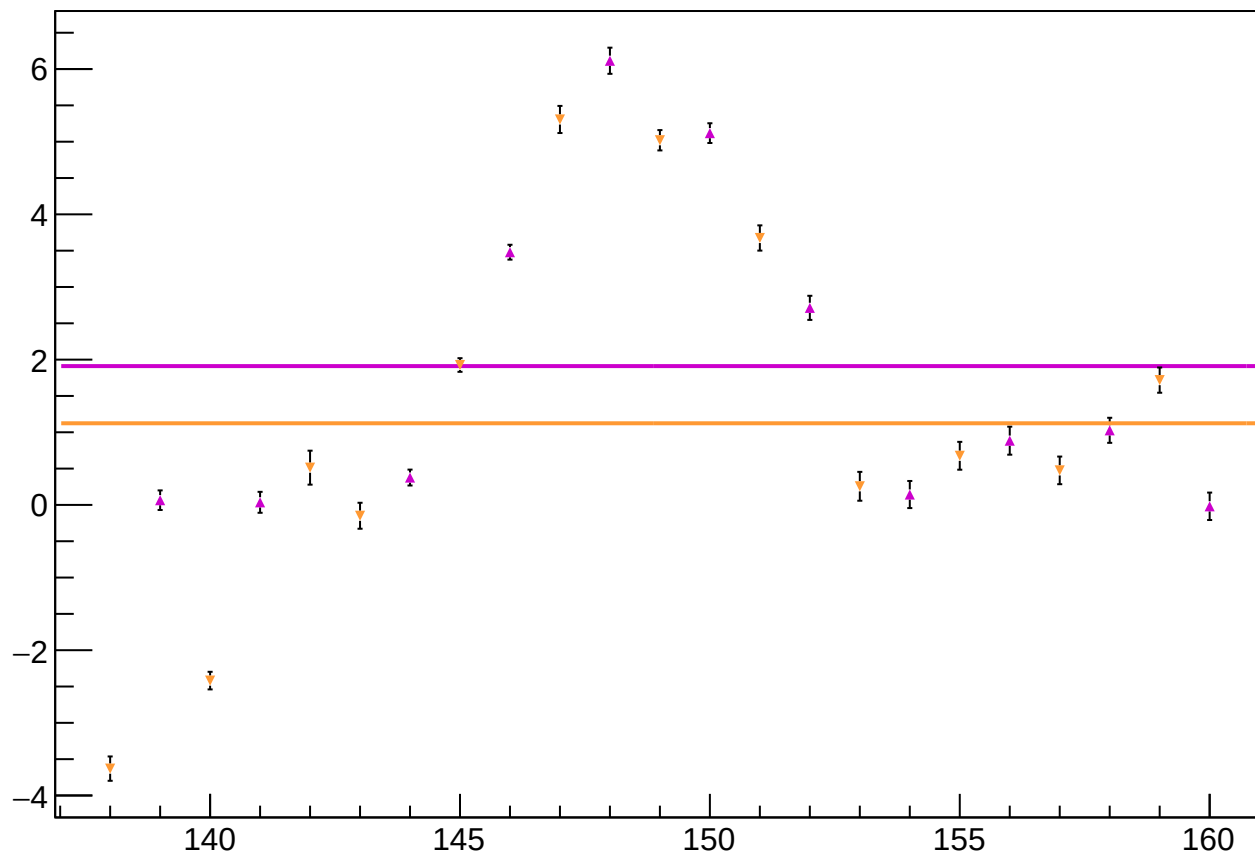
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.256+/-0.005 χ^2/NDF : 653.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.269+/-0.005 χ^2/NDF : 569.0/10

Left: -0.263+/-0.003 χ^2/NDF : 1225.8/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.269+/-0.005 χ^2/NDF : 569.0/10
 Out: -0.256+/-0.005 χ^2/NDF : 653.0/11
 All: -0.263+/-0.003 χ^2/NDF : 1225.8/22

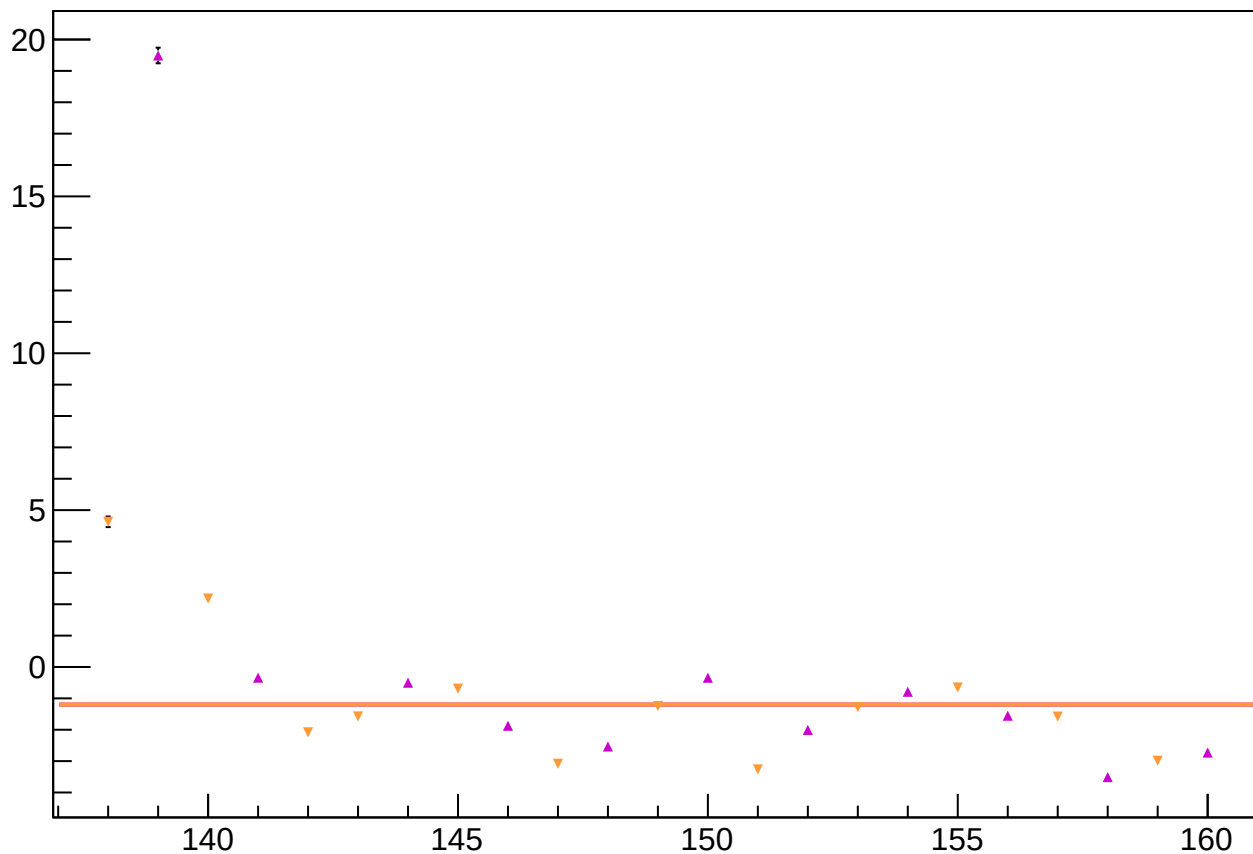
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 1.124+/-0.045 χ^2/NDF :3331.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.911+/-0.044 χ^2/NDF :2163.0/10

Left: 1.528+/-0.031 χ^2/NDF : 5651.5/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.911+/-0.044 χ^2/NDF :2163.0/10
 Out: 1.124+/-0.045 χ^2/NDF :3331.6/11
 All: 1.528+/-0.031 χ^2/NDF : 5651.5/22

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



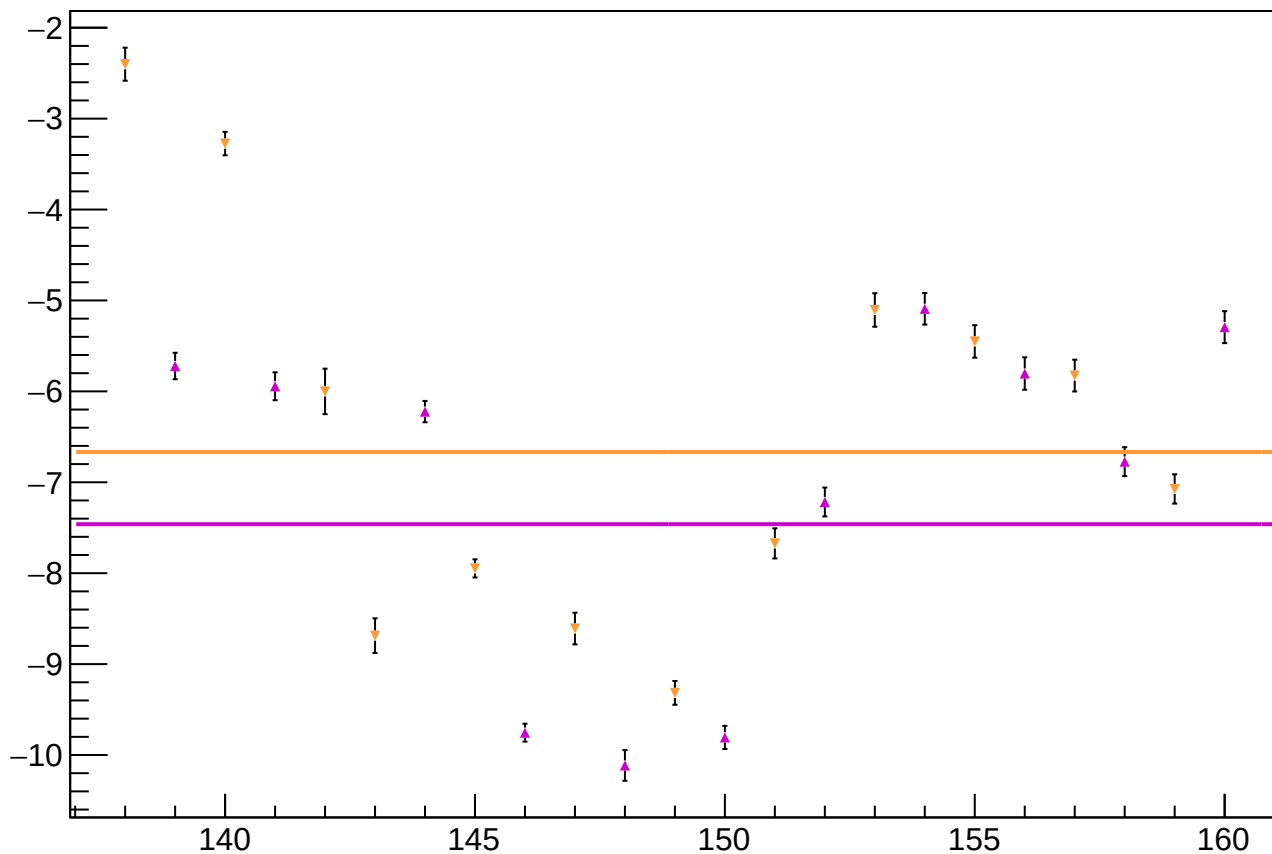
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.196+/-0.032 χ^2/NDF : 3515.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.199+/-0.031 χ^2/NDF : 8044.2/10

Left: -1.197+/-0.022 χ^2/NDF : 11559.4/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.199+/-0.031 χ^2/NDF : 8044.2/10
 Out: -1.196+/-0.032 χ^2/NDF : 3515.2/11

All: -1.197+/-0.022 χ^2/NDF : 11559.4/22

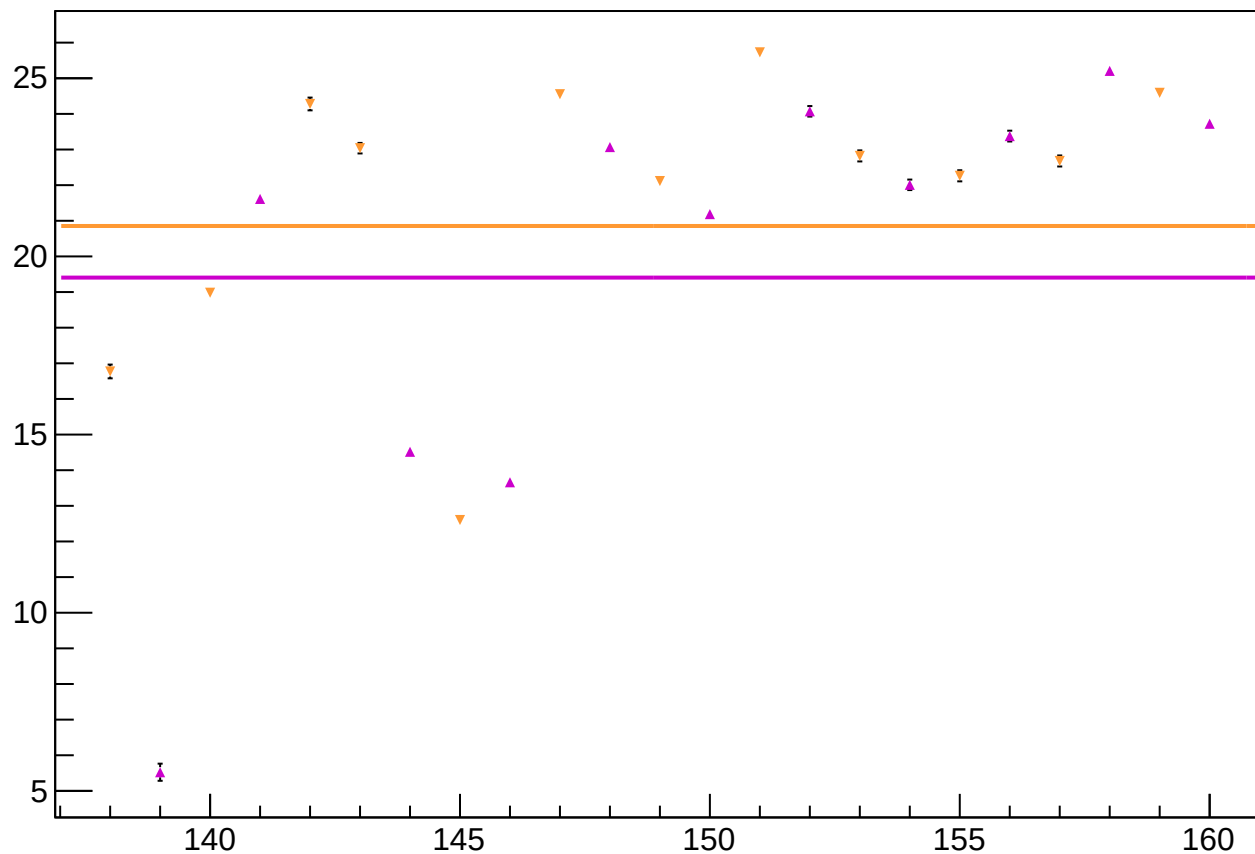
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.667 $\pm$ 0.045 χ^2 /NDF:2245.5/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.461 $\pm$ 0.043 χ^2 /NDF:1928.9/10

Left: -7.081 $\pm$ 0.031 χ^2 /NDF: 4336.8/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.461 $\pm$ 0.043 χ^2 /NDF:1928.9/10
 Out: -6.667 $\pm$ 0.045 χ^2 /NDF:2245.5/11
 All: -7.081 $\pm$ 0.031 χ^2 /NDF: 4336.8/22

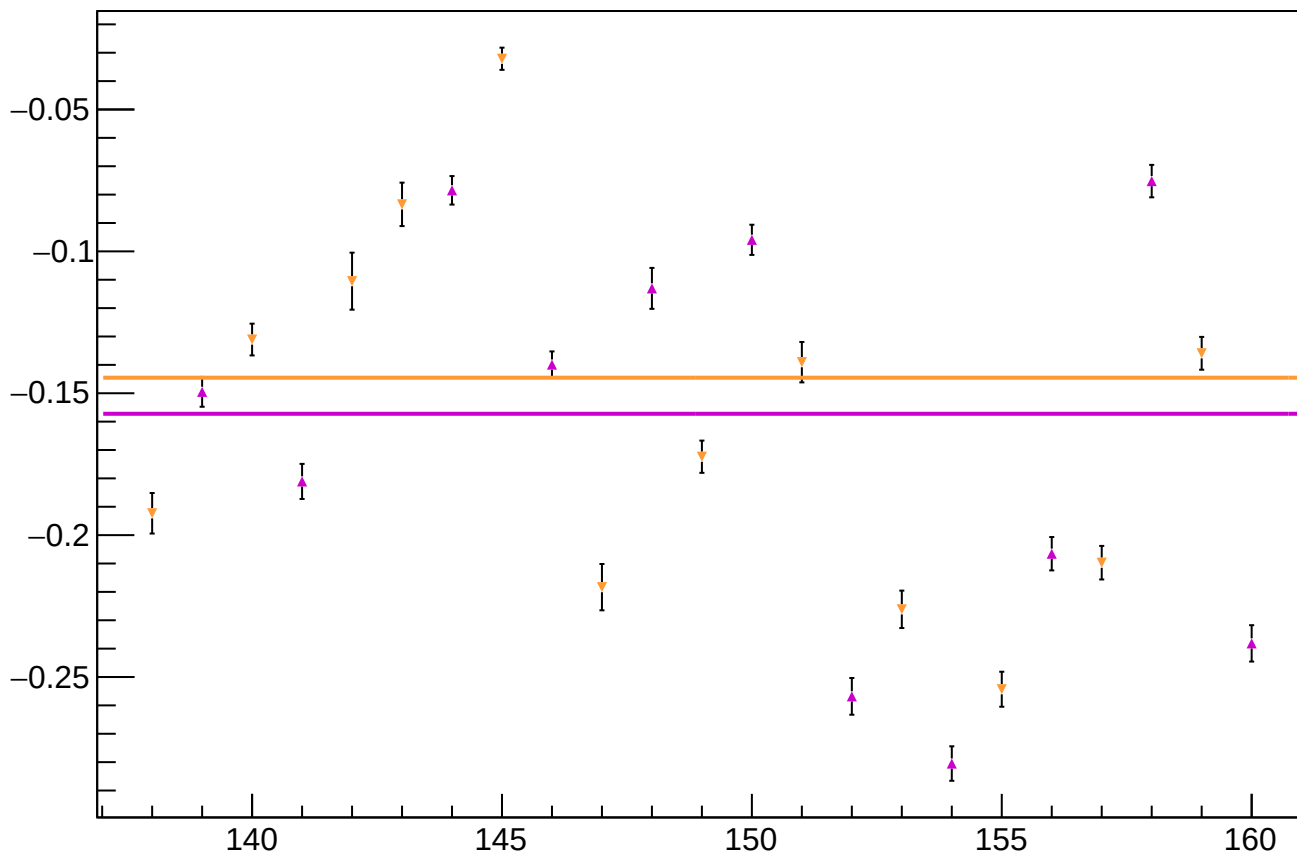
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 20.854+/-0.038 χ^2/NDF :13702.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 19.405+/-0.036 χ^2/NDF :17615.2/10

Left: 20.102+/-0.026 χ^2/NDF : 32077.6/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 19.405+/-0.036 χ^2/NDF :17615.2/10
 Out: 20.854+/-0.038 χ^2/NDF :13702.2/11
 All: 20.102+/-0.026 χ^2/NDF : 32077.6/22

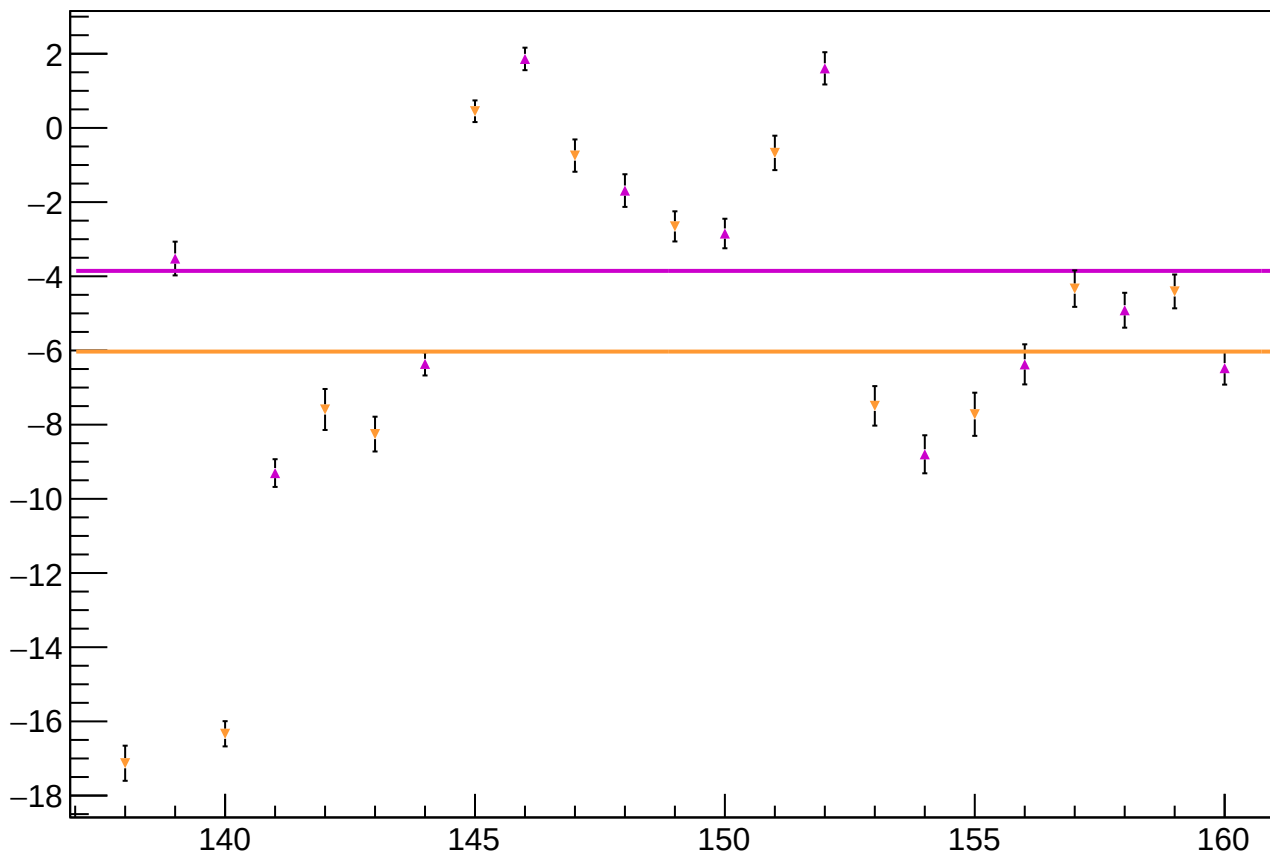
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.145+/-0.002 χ^2/NDF :1653.1/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.157+/-0.002 χ^2/NDF :1530.6/10

Left: -0.151+/-0.001 χ^2/NDF : 3210.2/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.157+/-0.002 χ^2/NDF :1530.6/10
 Out: -0.145+/-0.002 χ^2/NDF :1653.1/11
 All: -0.151+/-0.001 χ^2/NDF : 3210.2/22

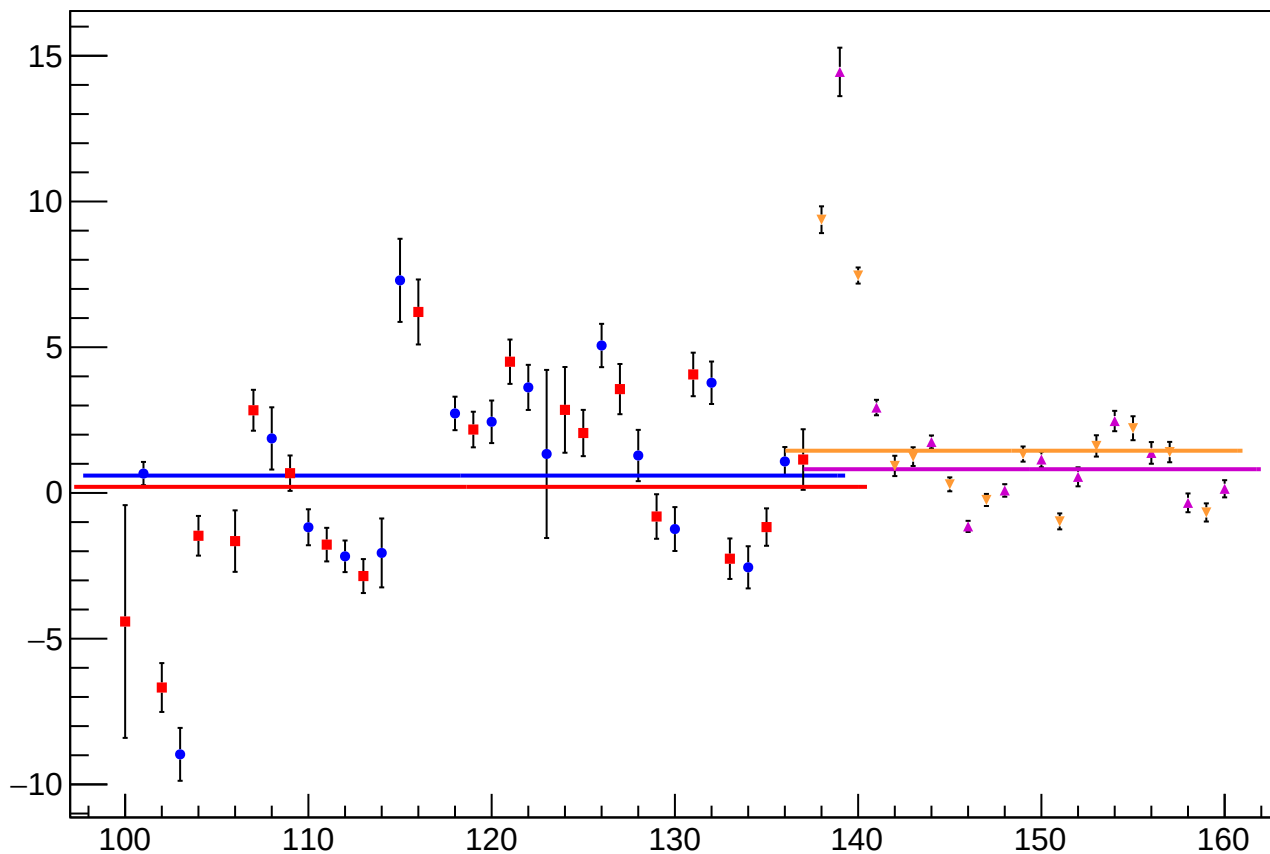
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.030+/-0.125 χ^2/NDF :2380.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.854+/-0.123 χ^2/NDF :974.7/10

Left: -4.921+/-0.087 χ^2/NDF : 3509.8/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.854+/-0.123 χ^2/NDF :974.7/10
 Out: -6.030+/-0.125 χ^2/NDF :2380.6/11
 All: -4.921+/-0.087 χ^2/NDF : 3509.8/22

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.596 ± 0.169 χ^2/NDF : 291.2/16

Left Out: 1.449 ± 0.086 χ^2/NDF : 992.2/11

Right Out: 0.209 ± 0.175 χ^2/NDF : 273.5/18

Left In: 0.814 ± 0.083 χ^2/NDF : 511.8/10

Left: 1.123 ± 0.060 χ^2/NDF : 1532.2/22

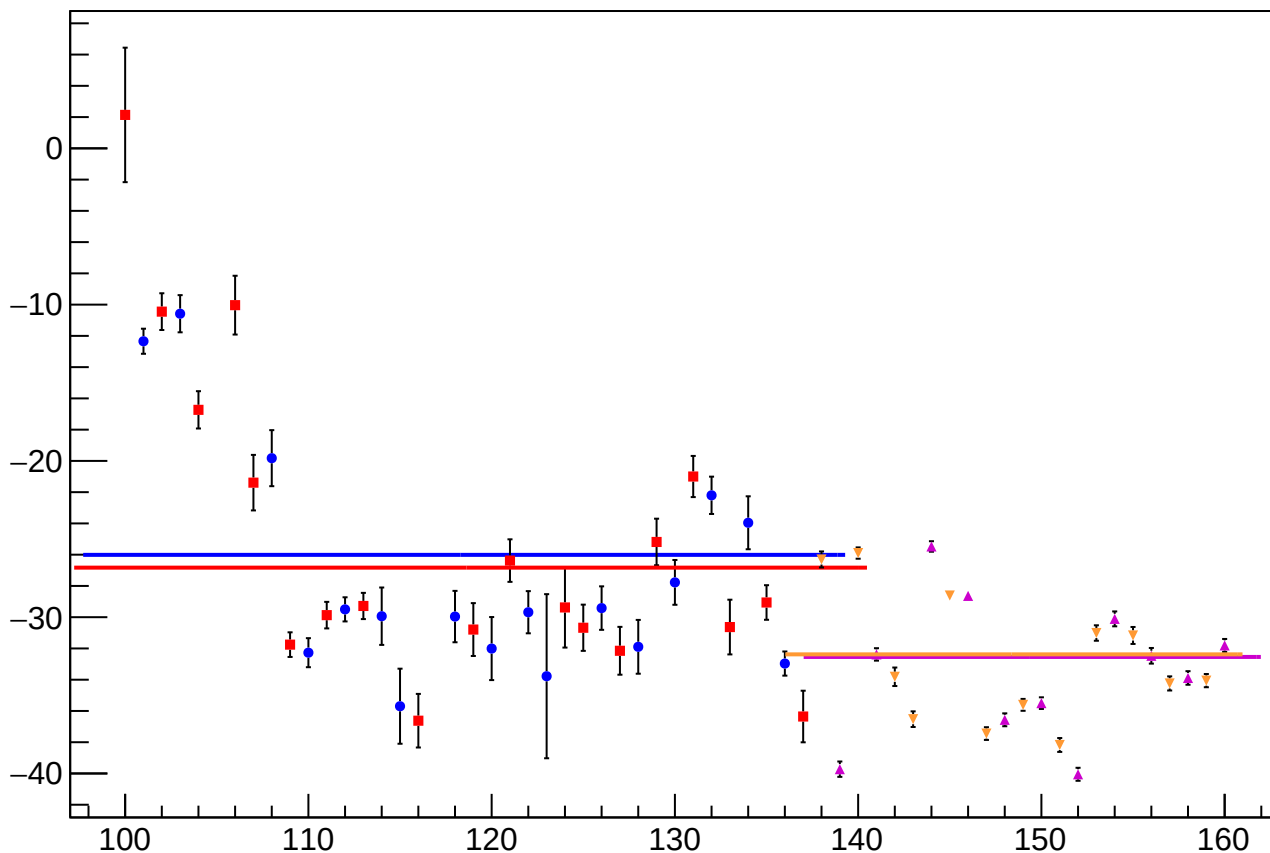
Right: 0.409 ± 0.121 χ^2/NDF : 567.2/35

In: 0.772 ± 0.075 χ^2/NDF : 804.3/27

Out: 1.209 ± 0.077 χ^2/NDF : 1306.3/30

All: 0.984 ± 0.054 χ^2/NDF : 2127.3/58

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -26.012 ± 0.300 χ^2/NDF : 692.9/16

Left Out: -32.378 ± 0.124 χ^2/NDF : 1126.8/11

Right Out: -26.829 ± 0.297 χ^2/NDF : 581.6/18

Left In: -32.543 ± 0.120 χ^2/NDF : 1360.1/10

Left: -32.464 ± 0.086 χ^2/NDF : 2487.7/22

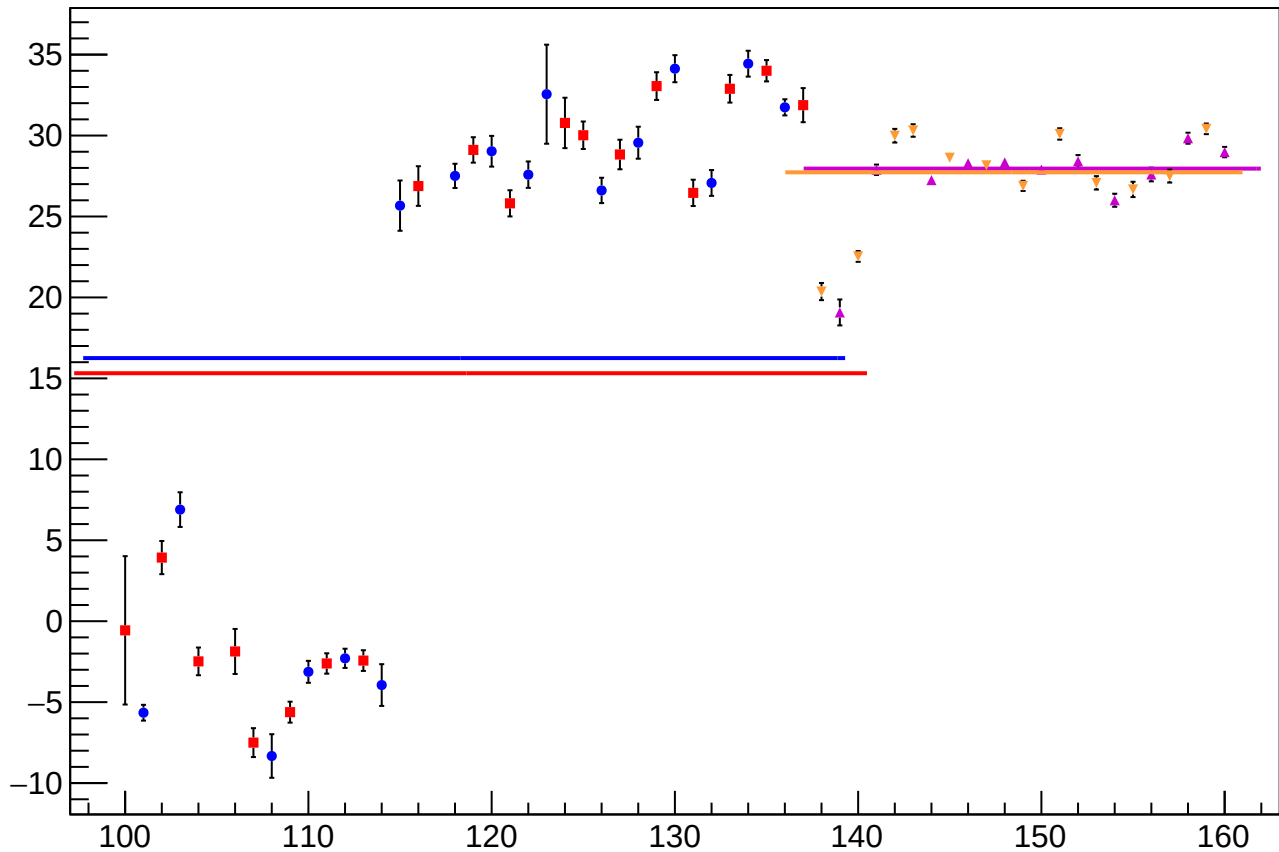
Right: -26.423 ± 0.211 χ^2/NDF : 1278.3/35

In: -31.641 ± 0.111 χ^2/NDF : 2462.7/27

Out: -31.553 ± 0.115 χ^2/NDF : 2004.6/30

All: -31.598 ± 0.080 χ^2/NDF : 4467.6/58

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.253 $\pm$ 0.191 χ^2 /NDF: 7611.3/16

Left Out: 27.729 $\pm$ 0.103 χ^2 /NDF: 648.2/11

Right Out: 15.318 $\pm$ 0.197 χ^2 /NDF: 7280.1/18

Left In: 27.958 $\pm$ 0.099 χ^2 /NDF: 199.9/10

Left: 27.848 $\pm$ 0.071 χ^2 /NDF: 850.6/22

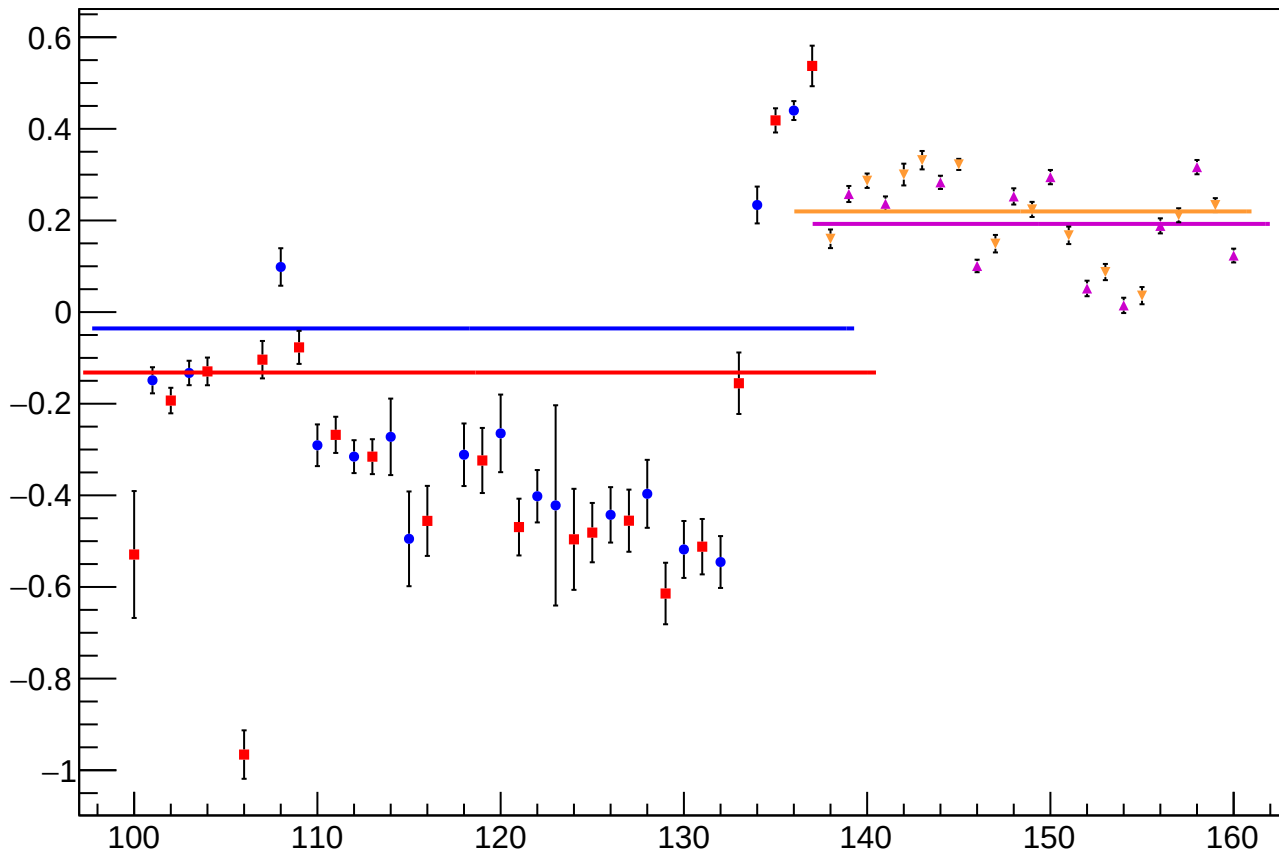
Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14903.0/35

In: 25.467 $\pm$ 0.088 χ^2 /NDF: 10766.6/27

Out: 25.064 $\pm$ 0.091 χ^2 /NDF: 11045.4/30

All: 25.273 $\pm$ 0.063 χ^2 /NDF: 21822.0/58

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.036 ± 0.010 $\chi^2/\text{NDF}: 1014.5/16$

Left Out: 0.220 ± 0.005 $\chi^2/\text{NDF}: 314.9/11$

Right Out: -0.132 ± 0.010 $\chi^2/\text{NDF}: 1171.3/18$

Left In: 0.193 ± 0.005 $\chi^2/\text{NDF}: 426.5/10$

Left: 0.206 ± 0.003 $\chi^2/\text{NDF}: 757.2/22$

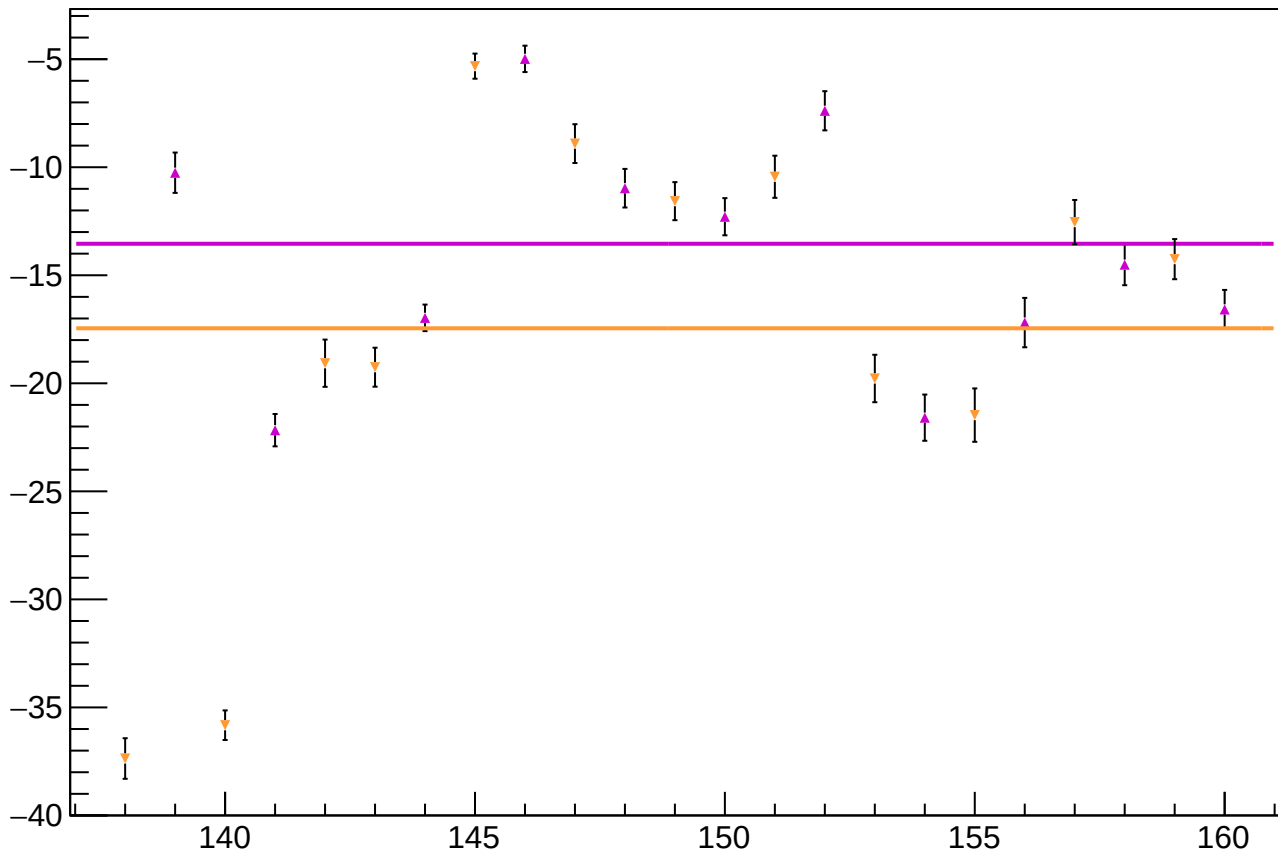
Right: -0.084 ± 0.007 $\chi^2/\text{NDF}: 2229.1/35$

In: 0.152 ± 0.004 $\chi^2/\text{NDF}: 1844.1/27$

Out: 0.155 ± 0.004 $\chi^2/\text{NDF}: 2426.4/30$

All: 0.154 ± 0.003 $\chi^2/\text{NDF}: 4270.7/58$

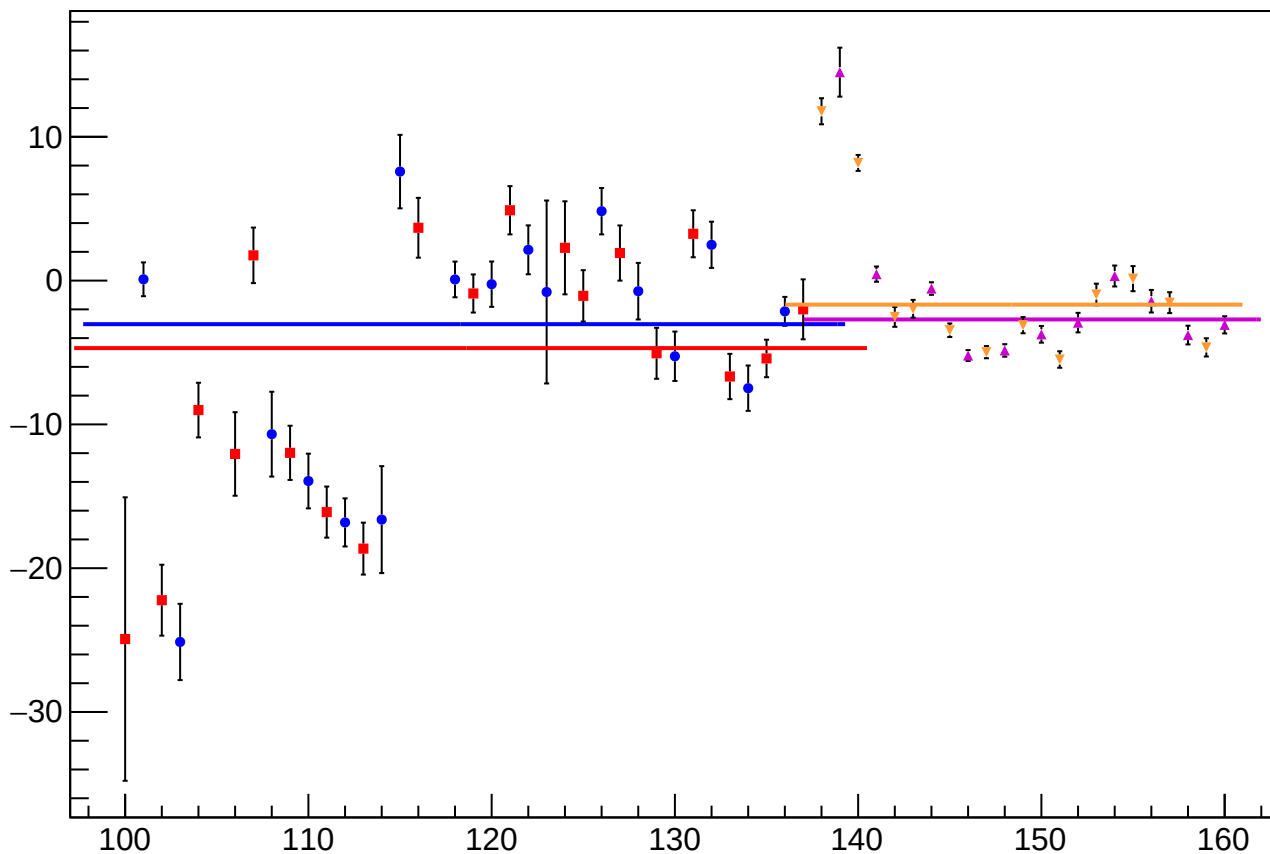
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -17.454+/-0.254 χ^2/NDF :1847.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -13.542+/-0.250 χ^2/NDF :508.5/10

Left: -15.461+/-0.178 χ^2/NDF : 2476.3/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -13.542+/-0.250 χ^2/NDF :508.5/10
 Out: -17.454+/-0.254 χ^2/NDF :1847.2/11
 All: -15.461+/-0.178 χ^2/NDF : 2476.3/22

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.030 ± 0.408 χ^2/NDF : 280.8/16

Left Out: -1.672 ± 0.175 χ^2/NDF : 689.1/11

Right Out: -4.694 ± 0.427 χ^2/NDF : 298.3/18

Left In: -2.702 ± 0.168 χ^2/NDF : 256.5/10

Left: -2.206 ± 0.121 χ^2/NDF : 963.6/22

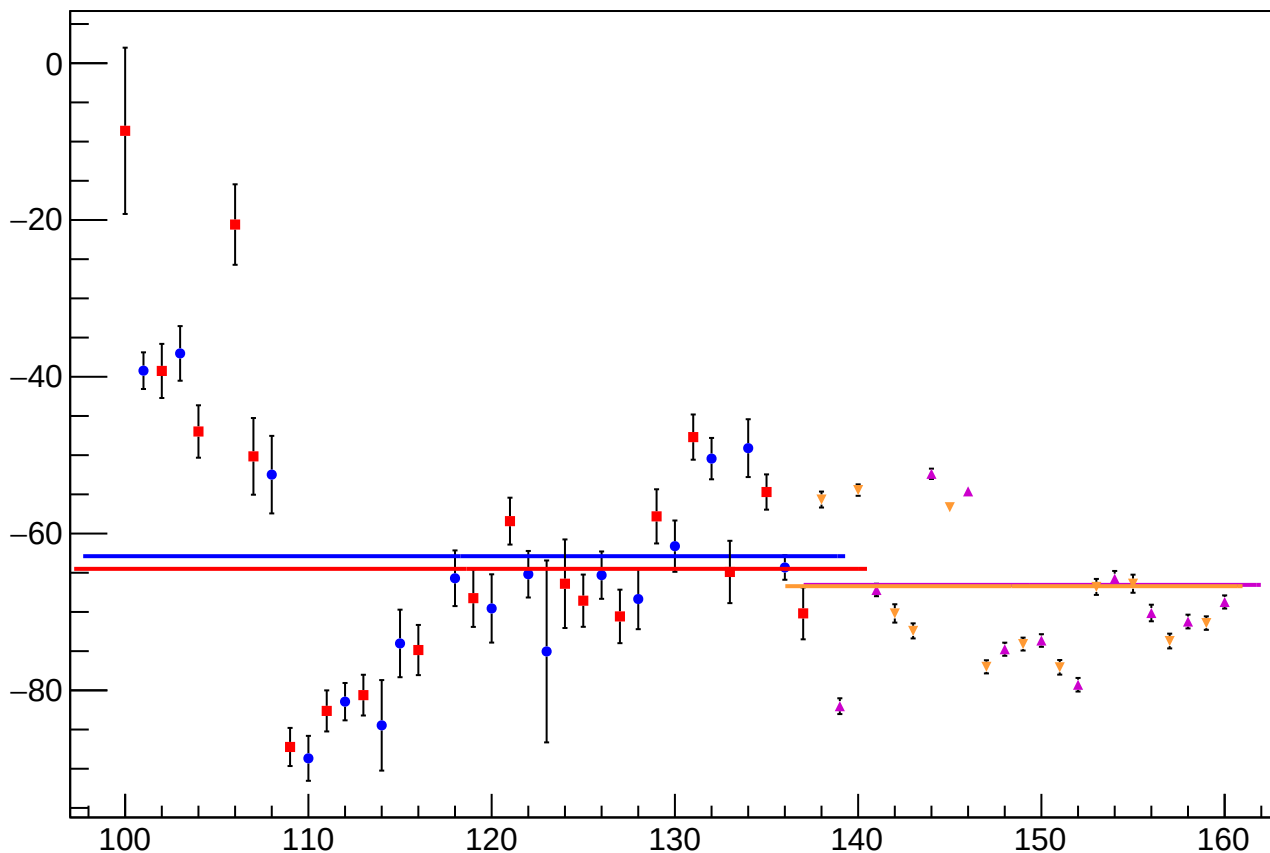
Right: -3.824 ± 0.295 χ^2/NDF : 587.0/35

In: -2.750 ± 0.156 χ^2/NDF : 537.8/27

Out: -2.106 ± 0.162 χ^2/NDF : 1030.3/30

All: -2.440 ± 0.112 χ^2/NDF : 1576.4/58

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.887 ± 0.738 χ^2/NDF : 368.7/16

Left Out: -66.713 ± 0.254 χ^2/NDF : 1150.1/11

Right Out: -64.502 ± 0.751 χ^2/NDF : 444.1/18

Left In: -66.547 ± 0.245 χ^2/NDF : 1550.2/10

Left: -66.627 ± 0.176 χ^2/NDF : 2700.5/22

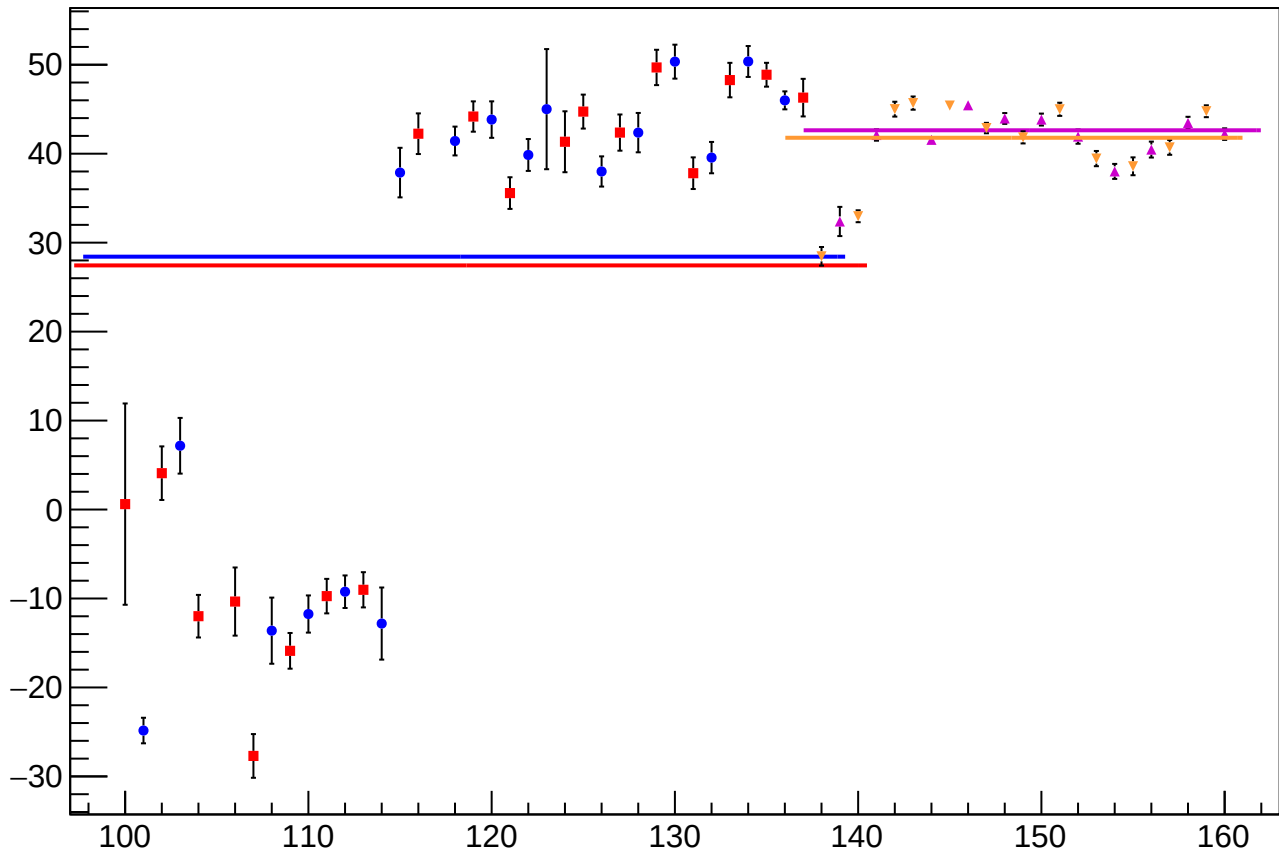
Right: -63.680 ± 0.526 χ^2/NDF : 815.2/35

In: -66.184 ± 0.232 χ^2/NDF : 1941.1/27

Out: -66.487 ± 0.240 χ^2/NDF : 1602.0/30

All: -66.330 ± 0.167 χ^2/NDF : 3543.8/58

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.425 ± 0.457 $\chi^2/\text{NDF}: 3330.3/16$

Left Out: 41.790 ± 0.210 $\chi^2/\text{NDF}: 482.1/11$

Right Out: 27.441 ± 0.479 $\chi^2/\text{NDF}: 3033.0/18$

Left In: 42.631 ± 0.202 $\chi^2/\text{NDF}: 125.4/10$

Left: 42.228 ± 0.146 $\chi^2/\text{NDF}: 615.9/22$

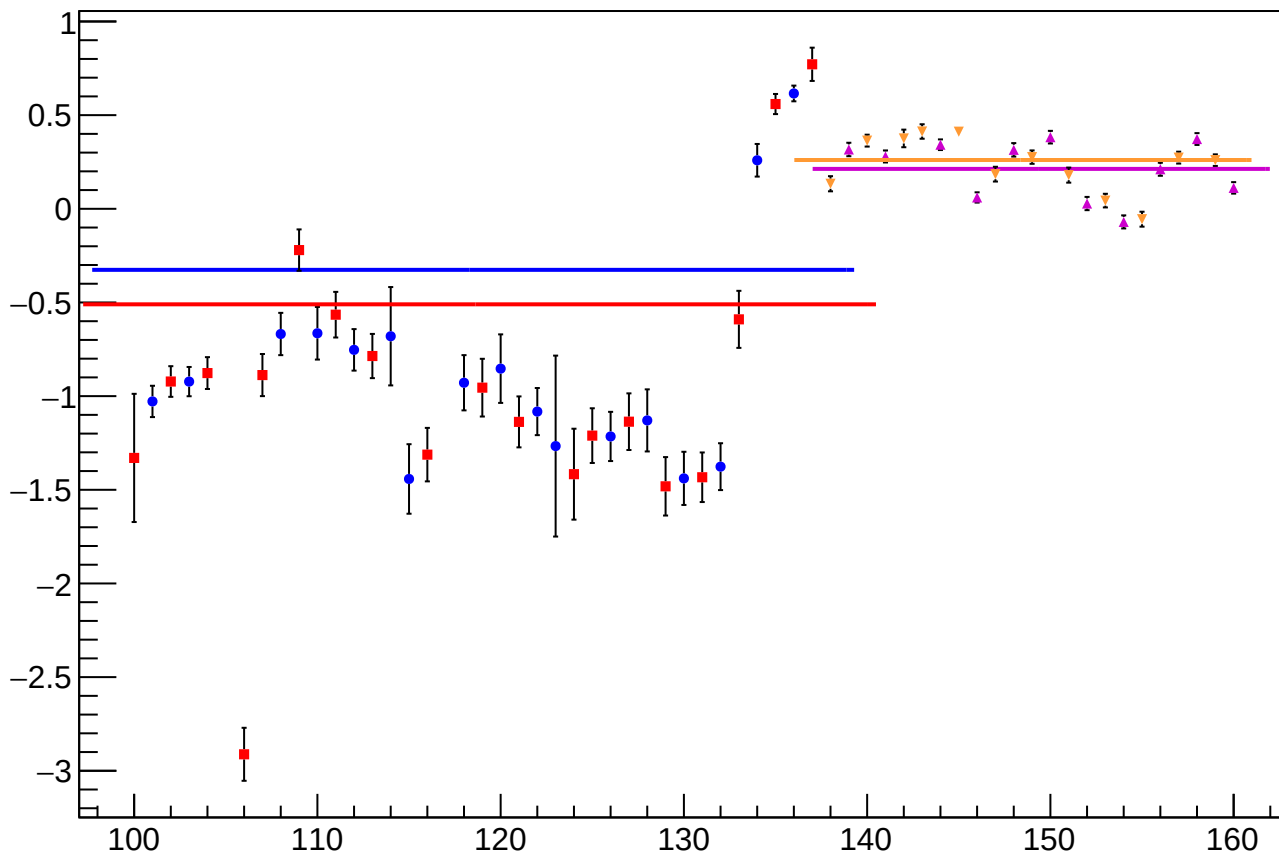
Right: 27.956 ± 0.331 $\chi^2/\text{NDF}: 6365.5/35$

In: 40.313 ± 0.185 $\chi^2/\text{NDF}: 4264.1/27$

Out: 39.472 ± 0.192 $\chi^2/\text{NDF}: 4268.6/30$

All: 39.910 ± 0.133 $\chi^2/\text{NDF}: 8542.7/58$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.326 ± 0.025 χ^2/NDF : 1013.0/16

Left Out: 0.261 ± 0.010 χ^2/NDF : 187.1/11

Right Out: -0.510 ± 0.026 χ^2/NDF : 1169.4/18

Left In: 0.213 ± 0.010 χ^2/NDF : 226.9/10

Left: 0.236 ± 0.007 χ^2/NDF : 425.5/22

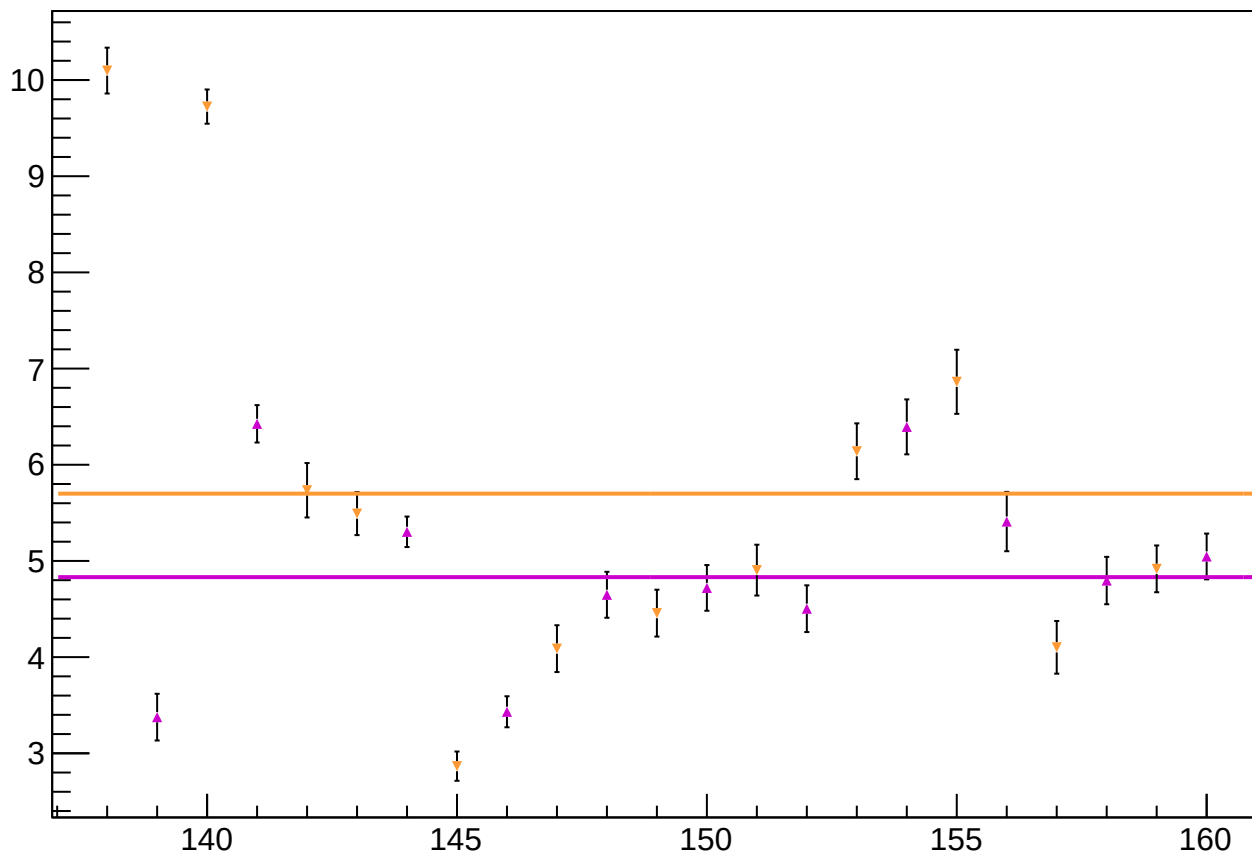
Right: -0.415 ± 0.018 χ^2/NDF : 2208.8/35

In: 0.141 ± 0.009 χ^2/NDF : 1645.9/27

Out: 0.158 ± 0.009 χ^2/NDF : 2136.0/30

All: 0.149 ± 0.007 χ^2/NDF : 3783.6/58

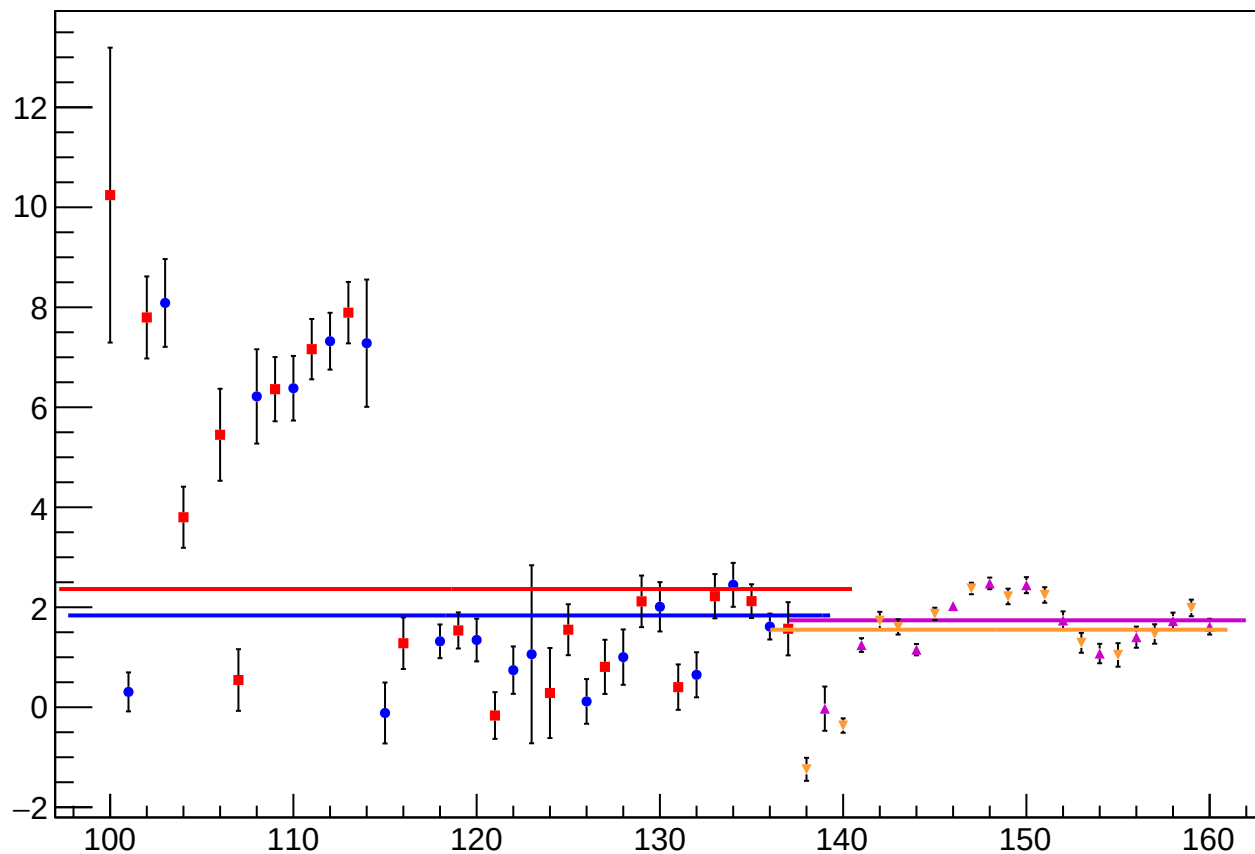
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.700 $\pm$ 0.067 χ^2 /NDF:1337.0/11
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.832 $\pm$ 0.066 χ^2 /NDF:224.4/10

Left: 5.259 $\pm$ 0.047 χ^2 /NDF: 1647.0/22
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.832 $\pm$ 0.066 χ^2 /NDF:224.4/10
 Out: 5.700 $\pm$ 0.067 χ^2 /NDF:1337.0/11
 All: 5.259 $\pm$ 0.047 χ^2 /NDF: 1647.0/22

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.836 $\pm$ 0.116 χ^2 /NDF: 294.9/16

Left Out: 1.551 $\pm$ 0.046 χ^2 /NDF:435.2/11

Right Out: 2.365 $\pm$ 0.123 χ^2 /NDF: 336.4/18

Left In: 1.739 $\pm$ 0.044 χ^2 /NDF:139.1/10

Left: 1.648 $\pm$ 0.032 χ^2 /NDF: 583.0/22

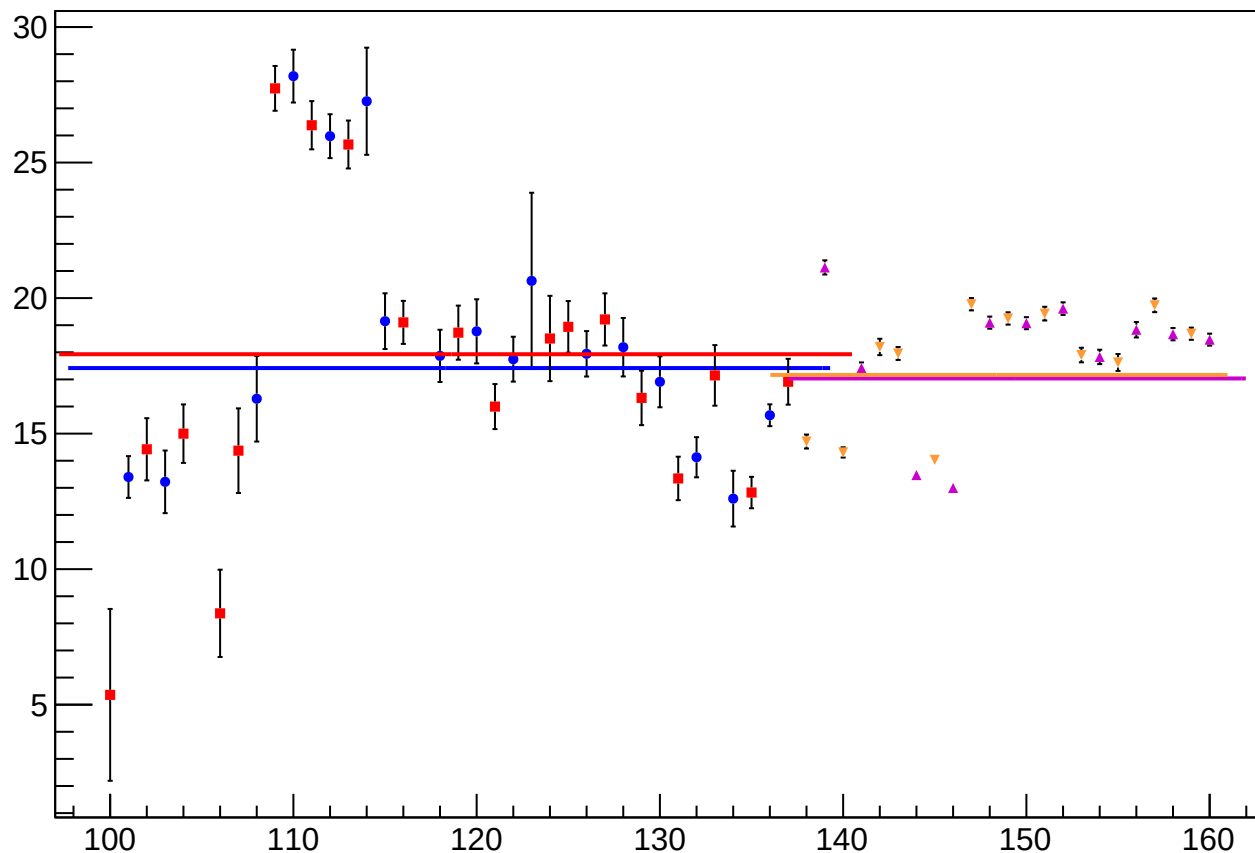
Right: 2.086 $\pm$ 0.084 χ^2 /NDF: 641.1/35

In: 1.751 $\pm$ 0.041 χ^2 /NDF:434.6/27

Out: 1.651 $\pm$ 0.043 χ^2 /NDF:810.2/30

All: 1.703 $\pm$ 0.030 χ^2 /NDF: 1247.6/58

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.418 $\pm$ 0.212 χ^2 /NDF: 366.8/16

Left Out: 17.165 $\pm$ 0.067 χ^2 /NDF:1170.2/11

Right Out: 17.929 $\pm$ 0.219 χ^2 /NDF: 506.3/18

Left In: 17.035 $\pm$ 0.065 χ^2 /NDF:1803.9/10

Left: 17.098 $\pm$ 0.046 χ^2 /NDF: 2976.0/22

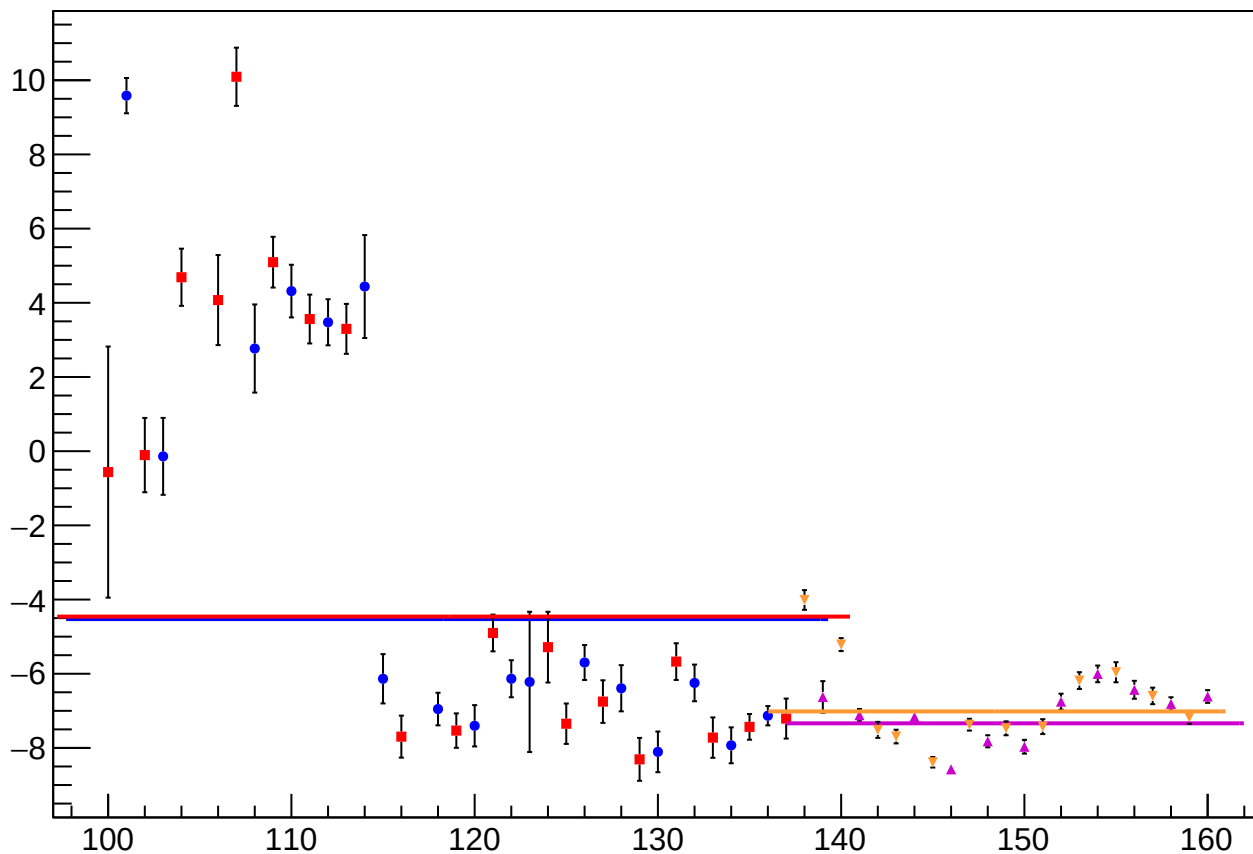
Right: 17.665 $\pm$ 0.152 χ^2 /NDF: 876.0/35

In: 17.068 $\pm$ 0.062 χ^2 /NDF:2173.7/27

Out: 17.231 $\pm$ 0.064 χ^2 /NDF:1687.6/30

All: 17.146 $\pm$ 0.044 χ^2 /NDF: 3864.7/58

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.526 ± 0.130 χ^2/NDF : 1590.2/16

Left Out: -7.016 ± 0.055 χ^2/NDF : 394.7/11

Right Out: -4.459 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -7.337 ± 0.053 χ^2/NDF : 209.3/10

Left: -7.183 ± 0.038 χ^2/NDF : 621.4/22

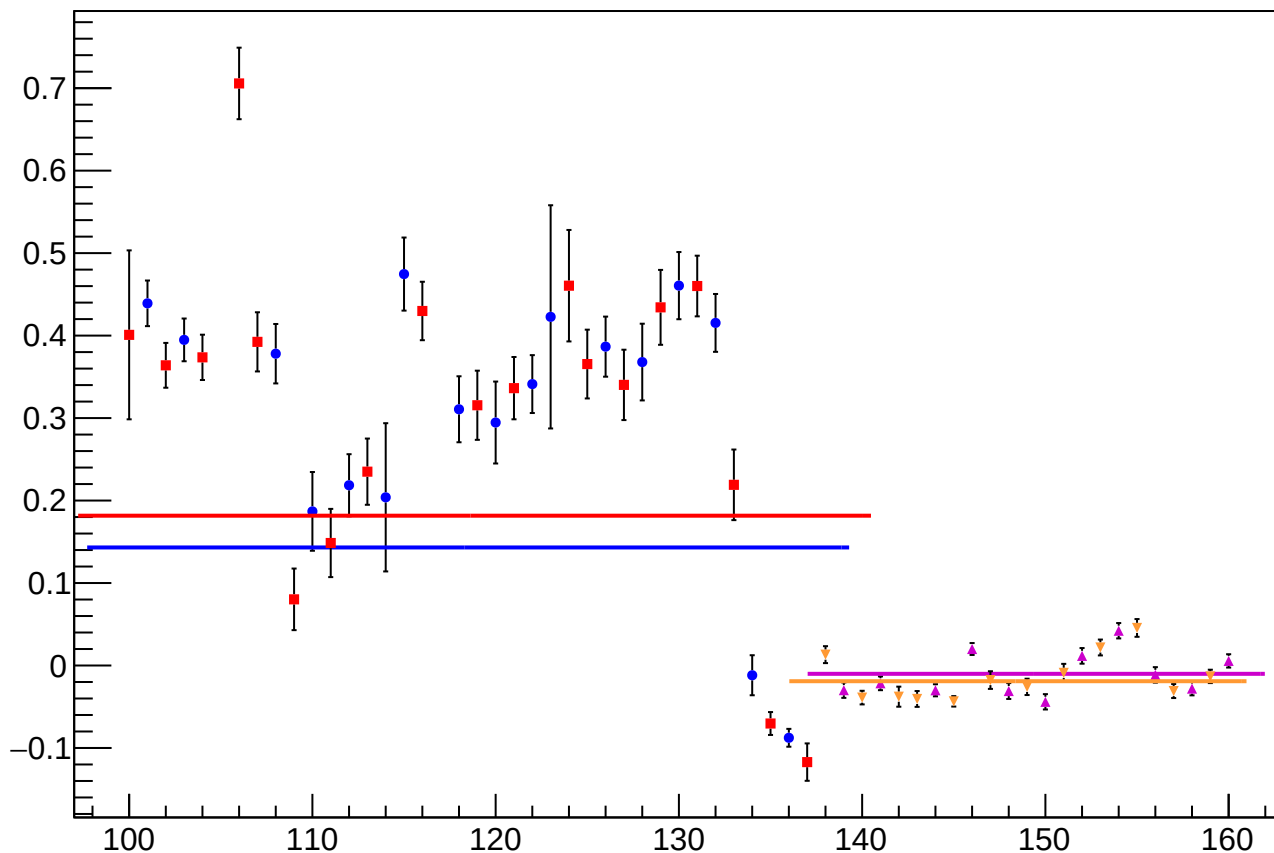
Right: -4.494 ± 0.094 χ^2/NDF : 2929.2/35

In: -6.931 ± 0.049 χ^2/NDF : 2202.5/27

Out: -6.656 ± 0.051 χ^2/NDF : 2033.1/30

All: -6.799 ± 0.036 χ^2/NDF : 4250.5/58

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 ± 0.007 $\chi^2/\text{NDF}: 1060.4/16$

Left Out: -0.019 ± 0.003 $\chi^2/\text{NDF}: 95.7/11$

Right Out: 0.182 ± 0.007 $\chi^2/\text{NDF}: 1007.8/18$

Left In: -0.010 ± 0.003 $\chi^2/\text{NDF}: 94.5/10$

Left: -0.014 ± 0.002 $\chi^2/\text{NDF}: 196.1/22$

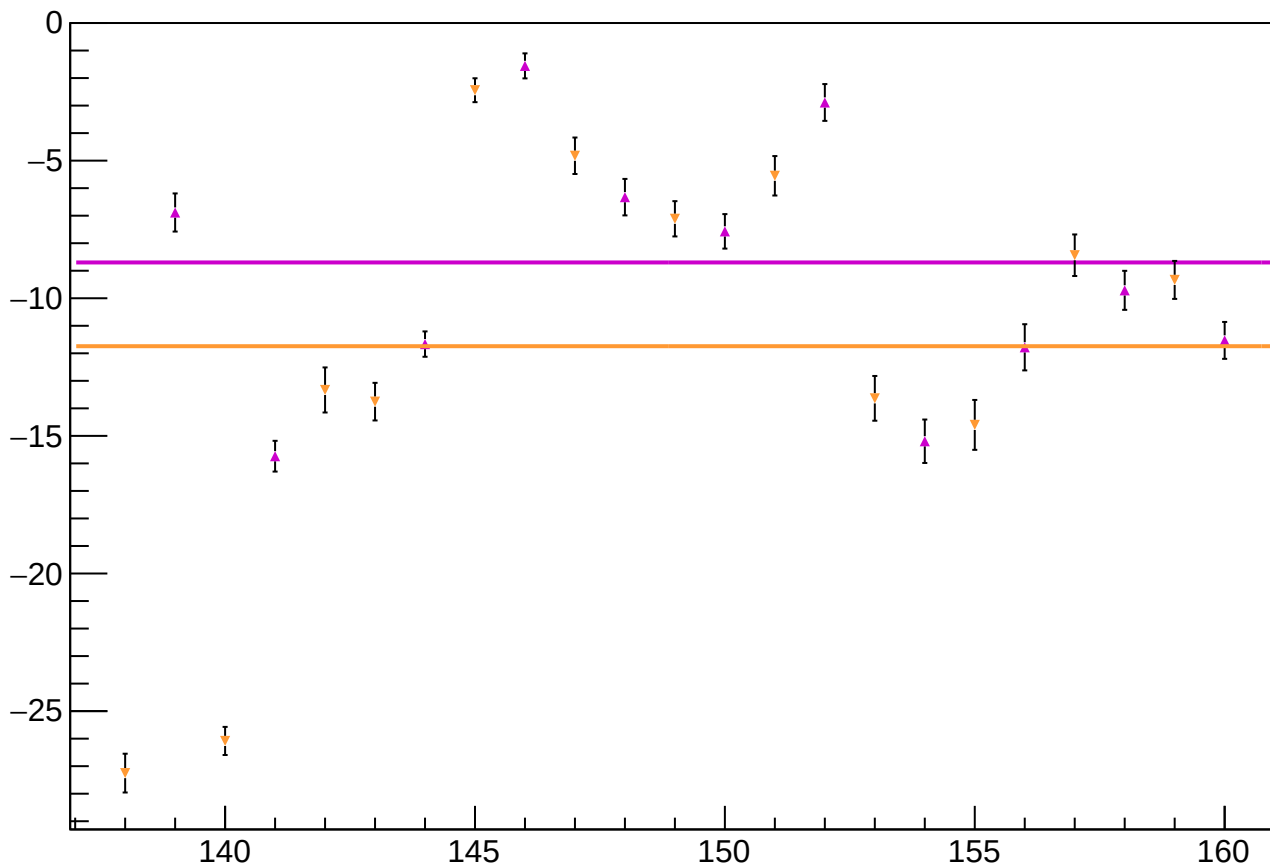
Right: 0.161 ± 0.005 $\chi^2/\text{NDF}: 2082.4/35$

In: 0.008 ± 0.002 $\chi^2/\text{NDF}: 1571.3/27$

Out: 0.004 ± 0.002 $\chi^2/\text{NDF}: 1757.6/30$

All: 0.006 ± 0.002 $\chi^2/\text{NDF}: 3330.3/58$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



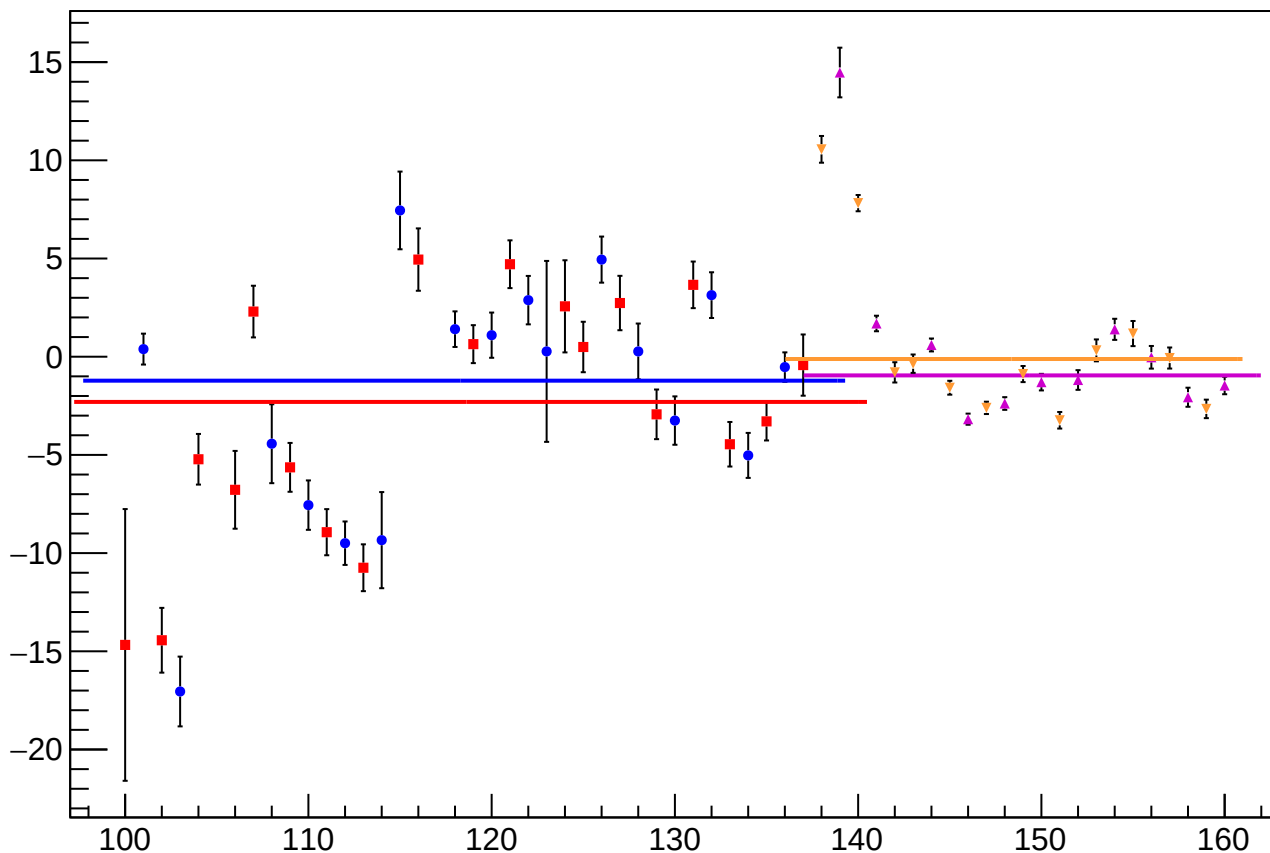
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -11.742+/-0.189 χ^2/NDF :2027.5/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.699+/-0.185 χ^2/NDF :646.9/10

Left: -10.191+/-0.132 χ^2/NDF : 2806.7/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.699+/-0.185 χ^2/NDF :646.9/10
 Out: -11.742+/-0.189 χ^2/NDF :2027.5/11

All: -10.191+/-0.132 χ^2/NDF : 2806.7/22

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.220 ± 0.290 χ^2/NDF : 278.6/16

Left Out: -0.117 ± 0.130 χ^2/NDF : 786.7/11

Right Out: -2.302 ± 0.302 χ^2/NDF : 286.2/18

Left In: -0.952 ± 0.125 χ^2/NDF : 326.4/10

Left: -0.548 ± 0.090 χ^2/NDF : 1134.6/22

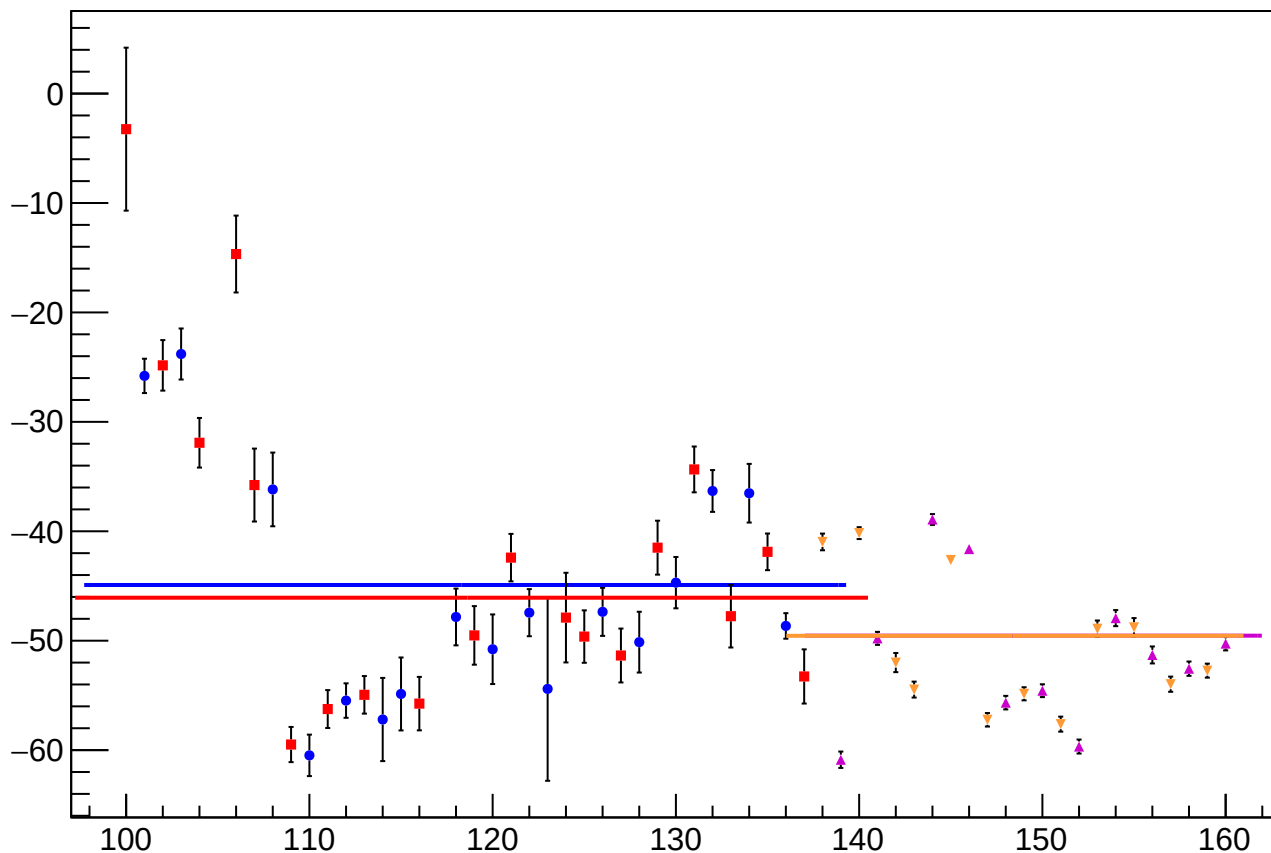
Right: -1.738 ± 0.209 χ^2/NDF : 571.5/35

In: -0.994 ± 0.115 χ^2/NDF : 605.7/27

Out: -0.455 ± 0.119 χ^2/NDF : 1117.0/30

All: -0.734 ± 0.083 χ^2/NDF : 1733.3/58

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.908 ± 0.523 χ^2/NDF : 421.2/16

Left Out: -49.552 ± 0.188 χ^2/NDF : 1141.5/11

Right Out: -46.071 ± 0.528 χ^2/NDF : 454.0/18

Left In: -49.540 ± 0.182 χ^2/NDF : 1474.6/10

Left: -49.546 ± 0.131 χ^2/NDF : 2616.1/22

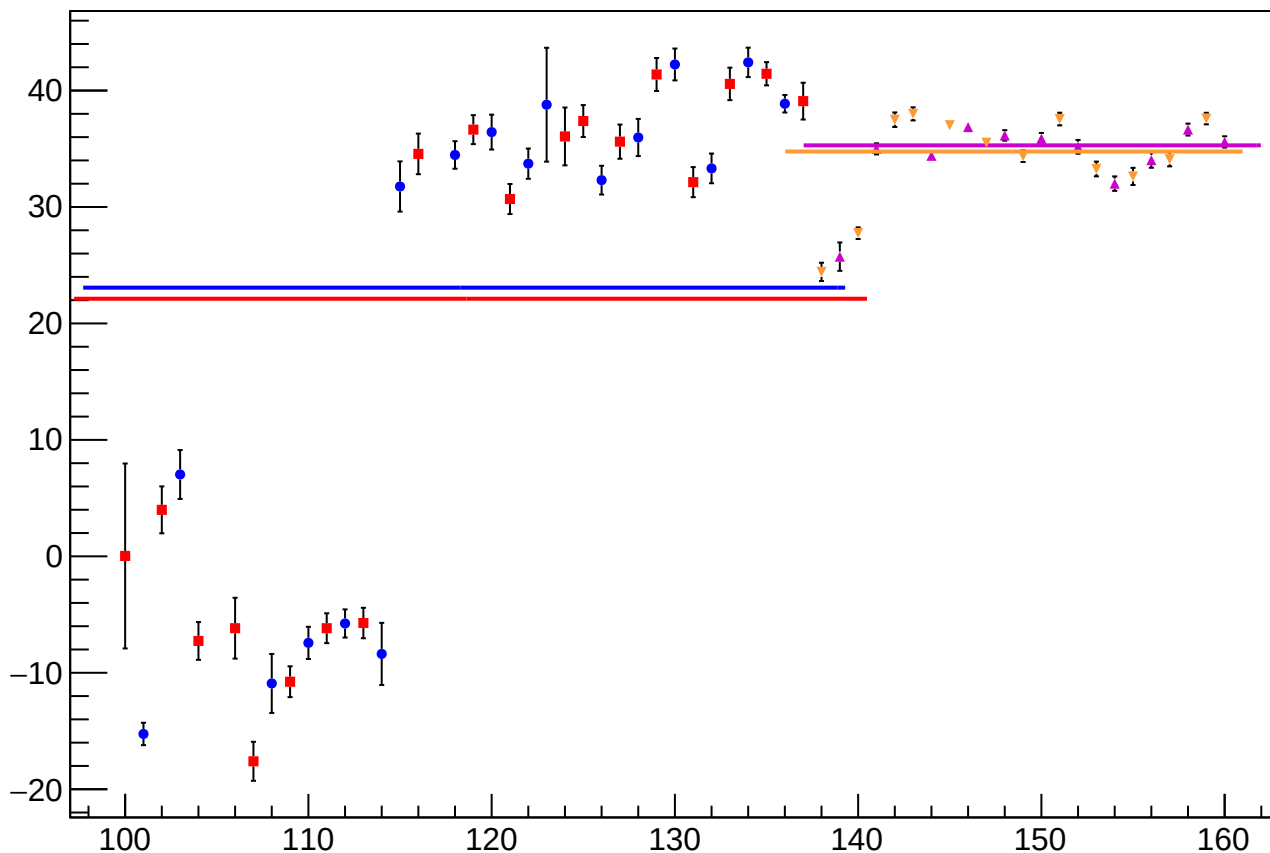
Right: -45.483 ± 0.371 χ^2/NDF : 877.6/35

In: -49.041 ± 0.172 χ^2/NDF : 1965.9/27

Out: -49.159 ± 0.177 χ^2/NDF : 1634.0/30

All: -49.098 ± 0.123 χ^2/NDF : 3600.1/58

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.073 $\pm$ 0.326 χ^2 /NDF: 4346.0/16

Left Out: 34.763 $\pm$ 0.156 χ^2 /NDF:528.7/11

Right Out: 22.122 $\pm$ 0.340 χ^2 /NDF: 4034.4/18

Left In: 35.293 $\pm$ 0.150 χ^2 /NDF:130.7/10

Left: 35.039 $\pm$ 0.108 χ^2 /NDF: 665.4/22

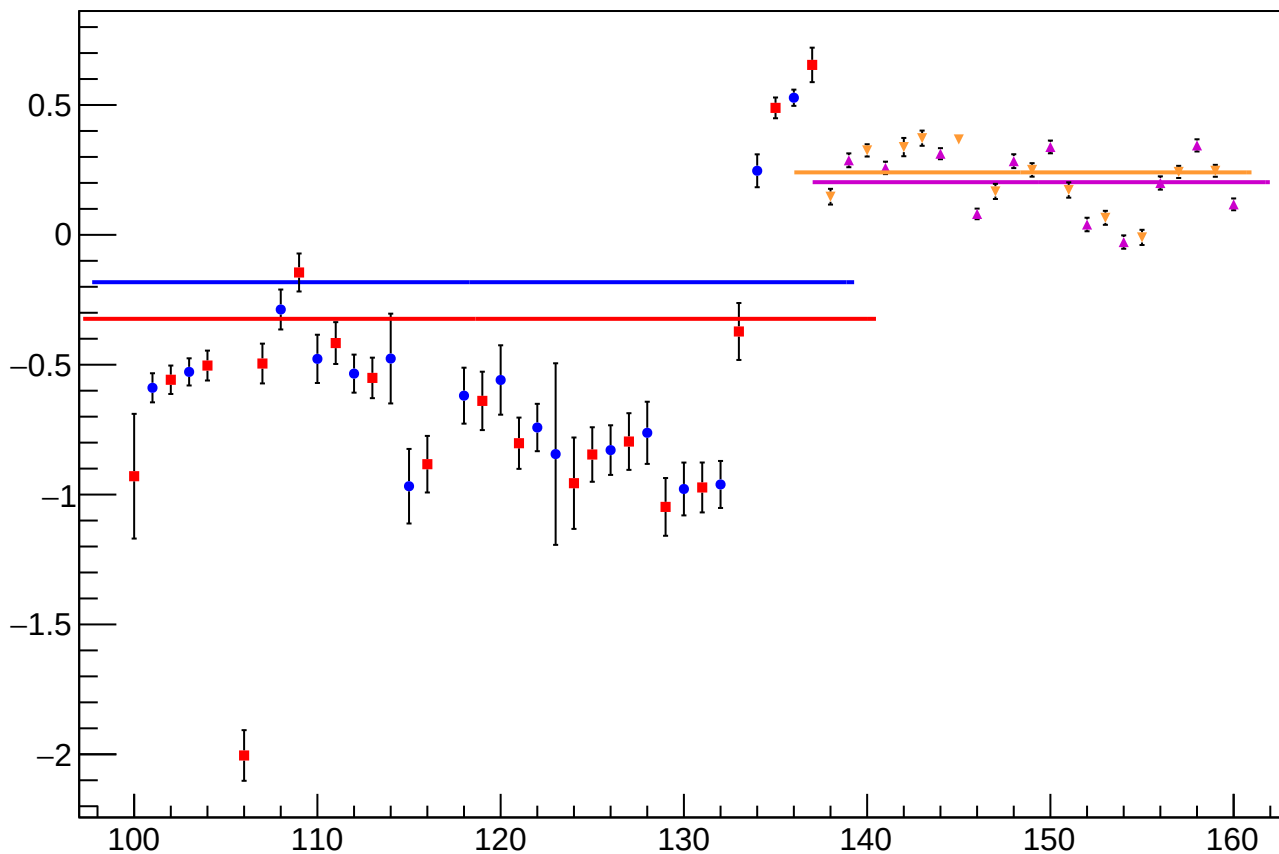
Right: 22.617 $\pm$ 0.235 χ^2 /NDF: 8384.4/35

In: 33.159 $\pm$ 0.136 χ^2 /NDF:5636.4/27

Out: 32.565 $\pm$ 0.142 χ^2 /NDF:5705.9/30

All: 32.874 $\pm$ 0.098 χ^2 /NDF: 11351.5/58

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.182 ± 0.018 χ^2/NDF : 998.1/16

Left Out: 0.241 ± 0.007 χ^2/NDF : 226.7/11

Right Out: -0.323 ± 0.018 χ^2/NDF : 1184.5/18

Left In: 0.203 ± 0.007 χ^2/NDF : 287.0/10

Left: 0.221 ± 0.005 χ^2/NDF : 526.8/22

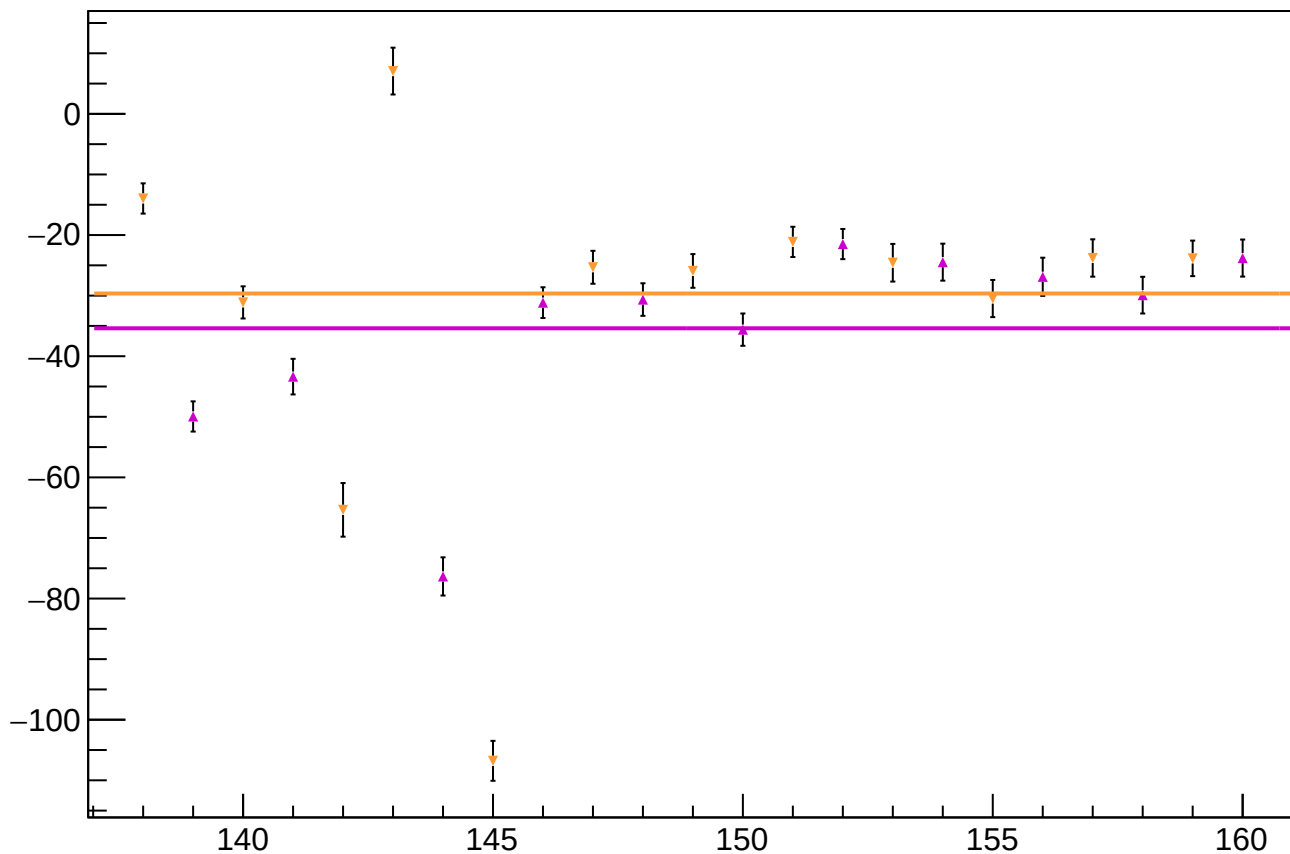
Right: -0.251 ± 0.013 χ^2/NDF : 2213.4/35

In: 0.148 ± 0.007 χ^2/NDF : 1689.5/27

Out: 0.159 ± 0.007 χ^2/NDF : 2236.0/30

All: 0.153 ± 0.005 χ^2/NDF : 3926.9/58

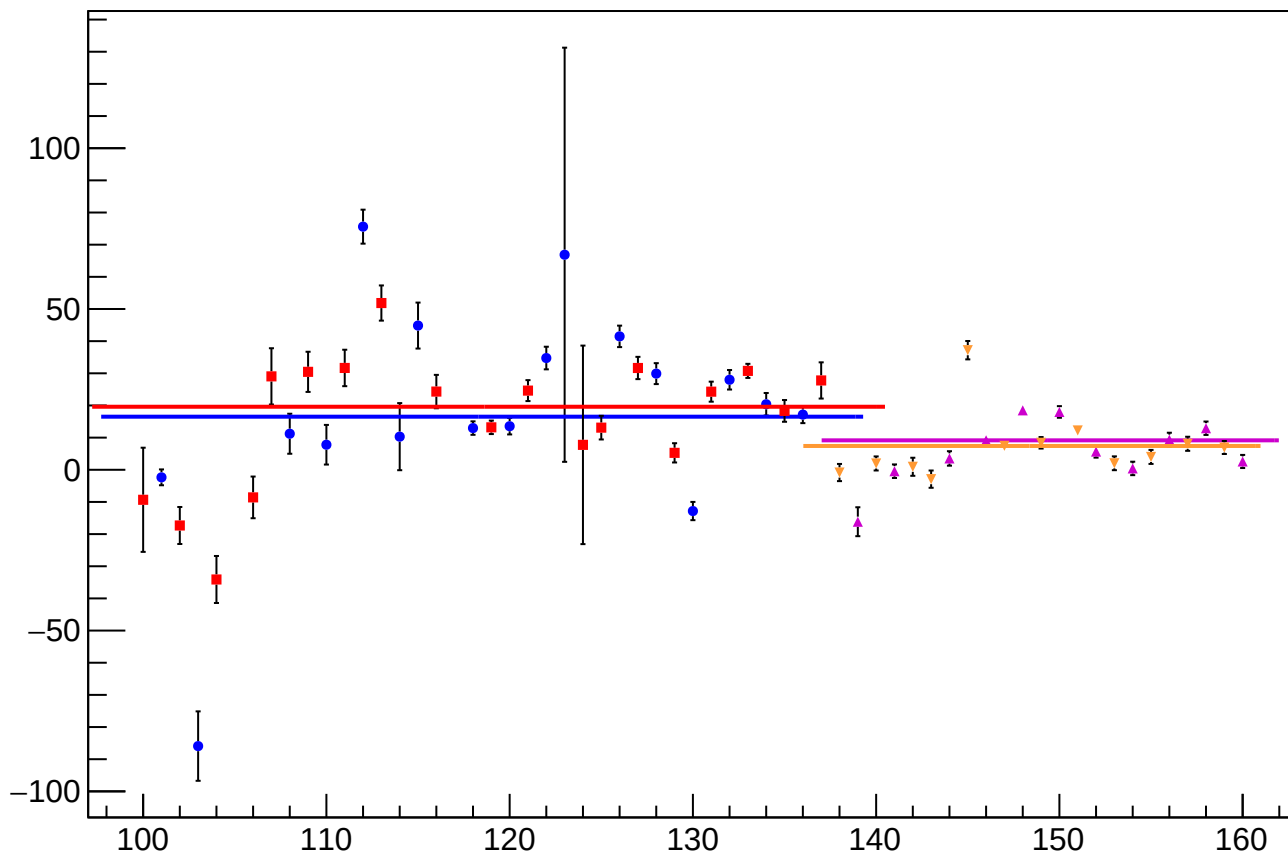
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -29.648+/-0.855 χ^2/NDF : 768.8/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -35.391+/-0.846 χ^2/NDF : 285.0/10

Left: -32.549+/-0.601 χ^2/NDF : 1076.6/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -35.391+/-0.846 χ^2/NDF : 285.0/10
 Out: -29.648+/-0.855 χ^2/NDF : 768.8/11
 All: -32.549+/-0.601 χ^2/NDF : 1076.6/22

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.512 $\pm$ 0.847 χ^2 /NDF: 519.6/16

Left Out: 7.404 $\pm$ 0.575 χ^2 /NDF:165.2/11

Right Out: 19.604 $\pm$ 0.898 χ^2 /NDF: 242.0/18

Left In: 9.156 $\pm$ 0.576 χ^2 /NDF:168.0/10

Left: 8.277 $\pm$ 0.407 χ^2 /NDF: 337.9/22

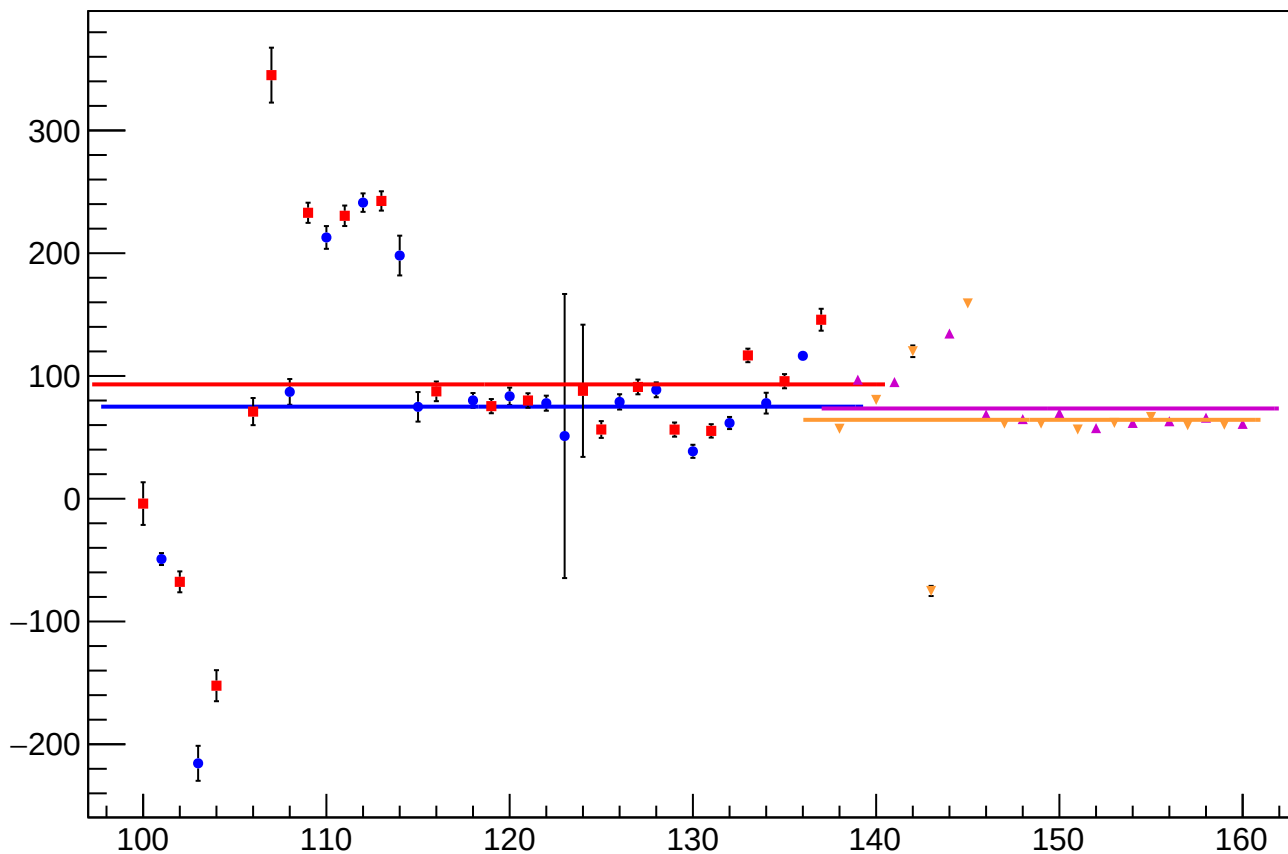
Right: 17.968 $\pm$ 0.616 χ^2 /NDF: 767.9/35

In: 11.482 $\pm$ 0.477 χ^2 /NDF:739.2/27

Out: 10.945 $\pm$ 0.484 χ^2 /NDF:538.1/30

All: 11.218 $\pm$ 0.340 χ^2 /NDF: 1277.9/58

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.009+/-1.636 χ^2/NDF : 1999.3/16

Left Out: 64.280+/-0.836 χ^2/NDF : 2107.6/11

Right Out: 93.140+/-1.711 χ^2/NDF : 2002.3/18

Left In: 73.516+/-0.821 χ^2/NDF : 570.7/10

Left: 68.984+/-0.586 χ^2/NDF : 2740.4/22

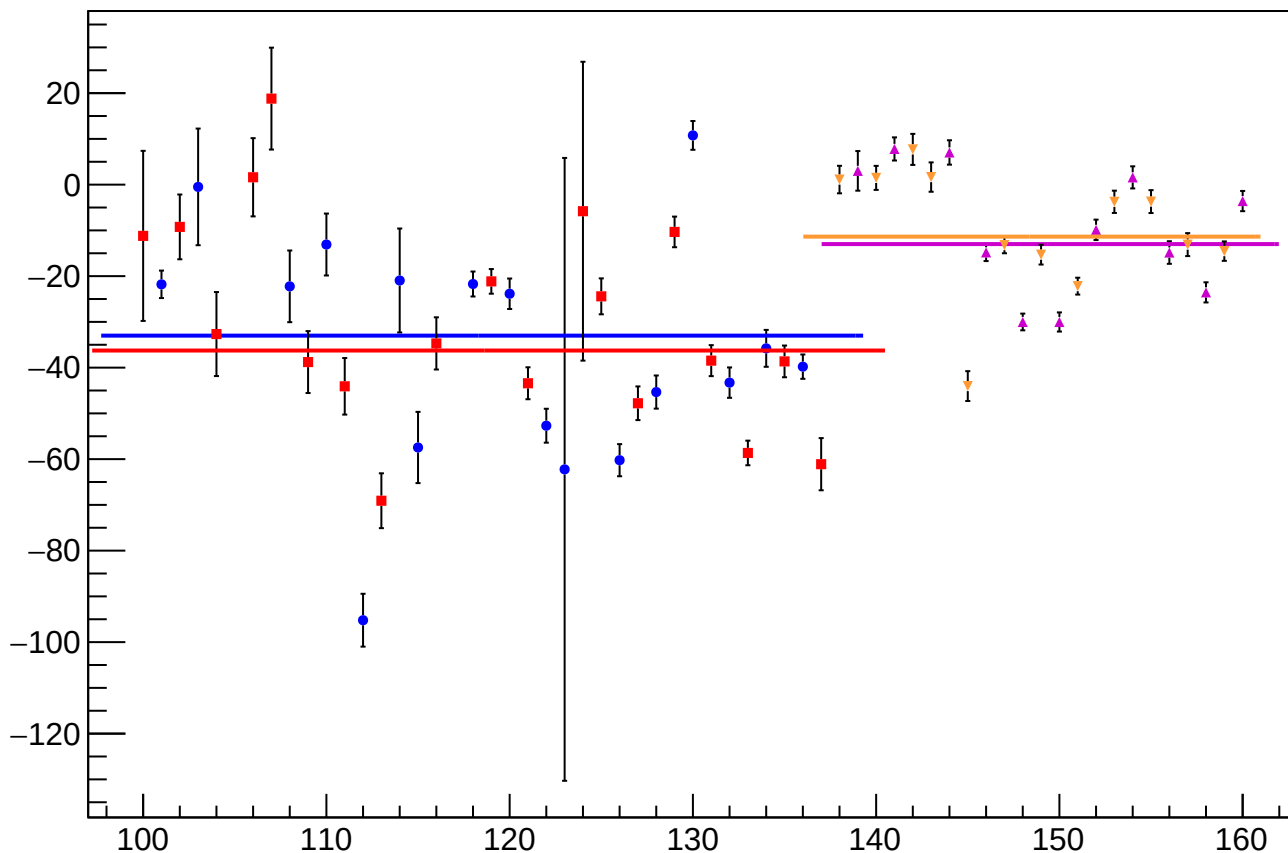
Right: 83.668+/-1.183 χ^2/NDF : 4060.3/35

In: 73.816+/-0.734 χ^2/NDF : 2570.7/27

Out: 69.846+/-0.751 χ^2/NDF : 4339.5/30

All: 71.879+/-0.525 χ^2/NDF : 6924.5/58

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.005 ± 0.972 $\chi^2/\text{NDF}: 493.1/16$

Left Out: -11.365 ± 0.695 $\chi^2/\text{NDF}: 250.3/11$

Right Out: -36.260 ± 1.025 $\chi^2/\text{NDF}: 297.1/18$

Left In: -12.993 ± 0.690 $\chi^2/\text{NDF}: 371.8/10$

Left: -12.186 ± 0.490 $\chi^2/\text{NDF}: 624.8/22$

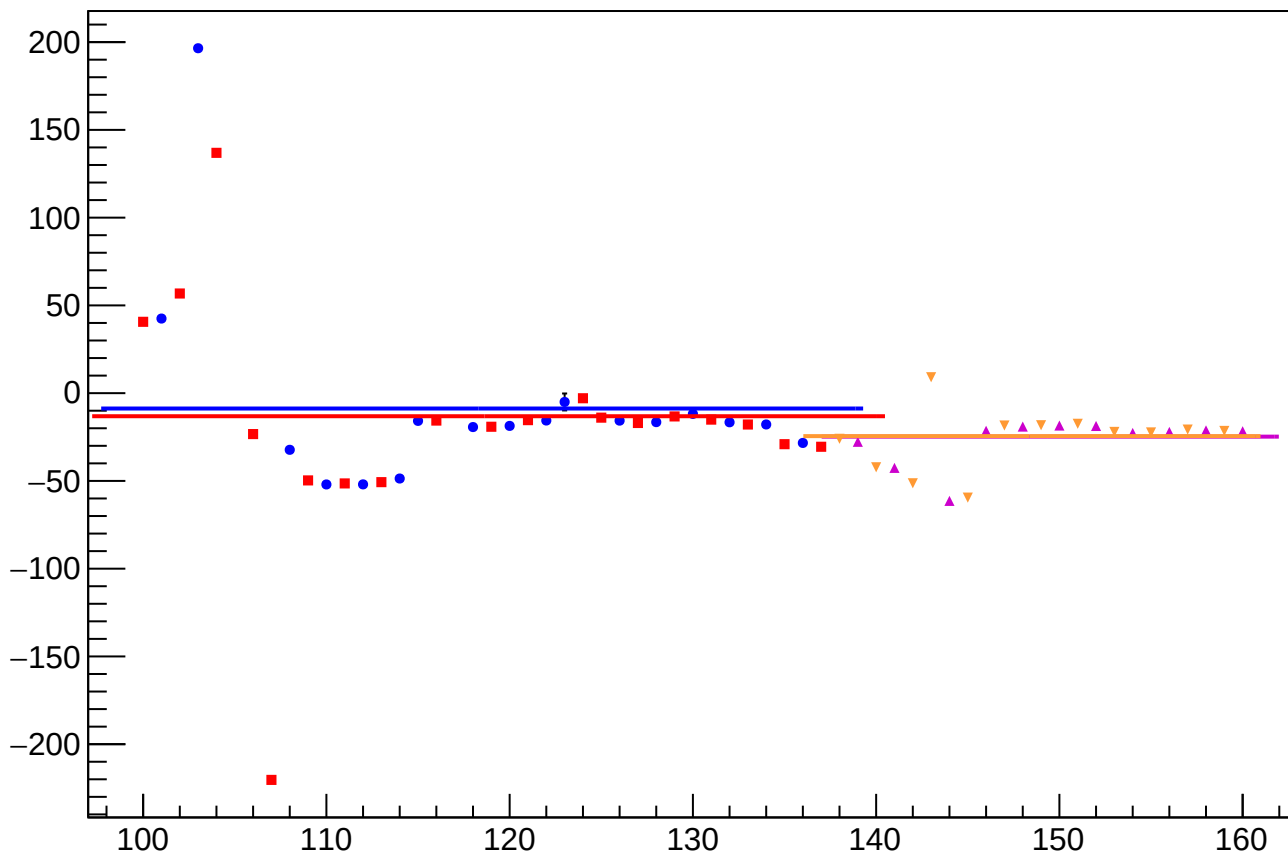
Right: -34.545 ± 0.705 $\chi^2/\text{NDF}: 795.4/35$

In: -19.695 ± 0.562 $\chi^2/\text{NDF}: 1146.9/27$

Out: -19.209 ± 0.576 $\chi^2/\text{NDF}: 951.1/30$

All: -19.457 ± 0.402 $\chi^2/\text{NDF}: 2098.4/58$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.751 ± 0.059 χ^2/NDF : 576012.4/16

Left Out: -24.483 ± 0.033 χ^2/NDF : 163190.3/11

Right Out: -13.143 ± 0.062 χ^2/NDF : 558628.0/18

Left In: -24.771 ± 0.032 χ^2/NDF : 96936.6/10

Left: -24.631 ± 0.023 χ^2/NDF : 260166.7/22

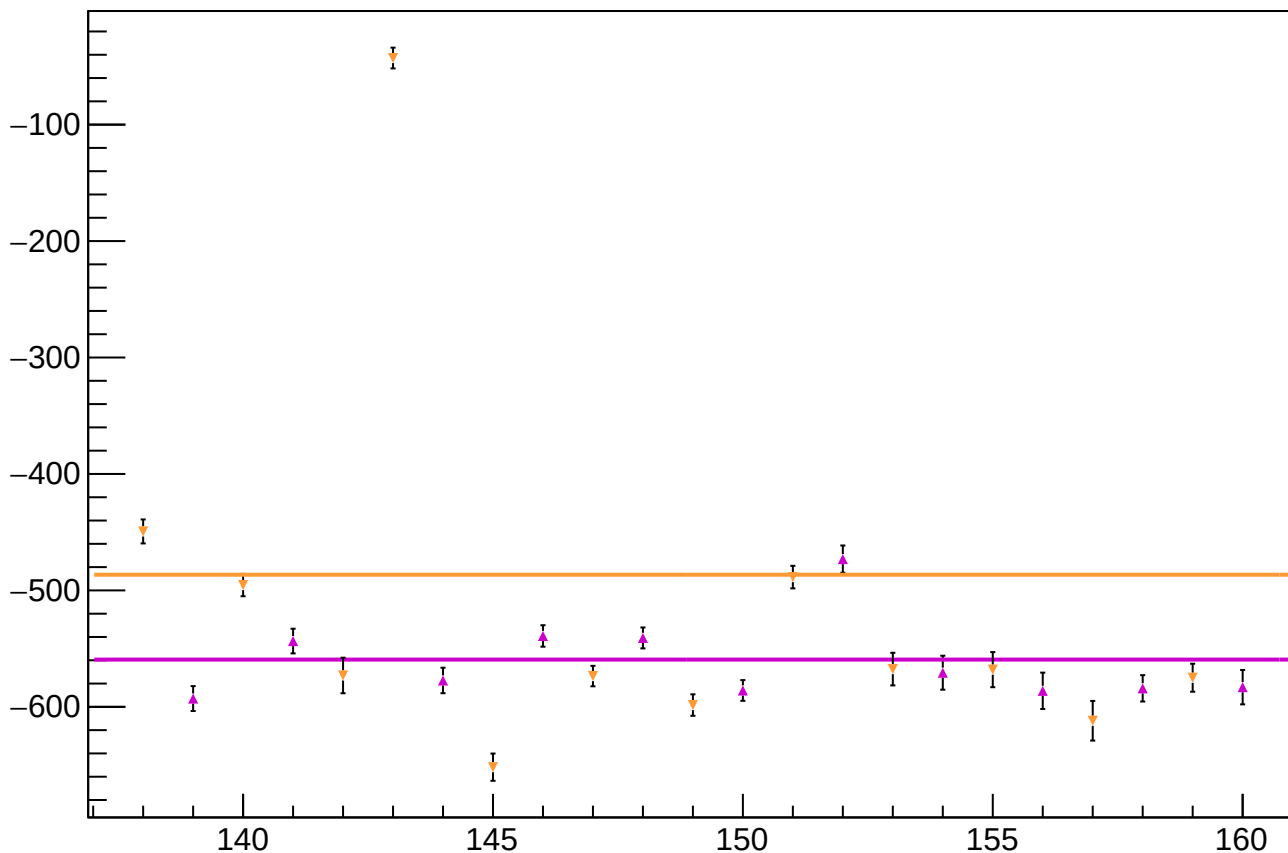
Right: -10.840 ± 0.043 χ^2/NDF : 1137294.9/35

In: -21.131 ± 0.028 χ^2/NDF : 730303.3/27

Out: -21.986 ± 0.029 χ^2/NDF : 748133.3/30

All: -21.545 ± 0.020 χ^2/NDF : 1478886.1/58

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -486.538+/-3.167 χ^2/NDF :3148.0/11

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

Left In: -559.418+/-3.309 χ^2/NDF :98.1/10

Left: -521.379+/-2.288 χ^2/NDF : 3499.4/22

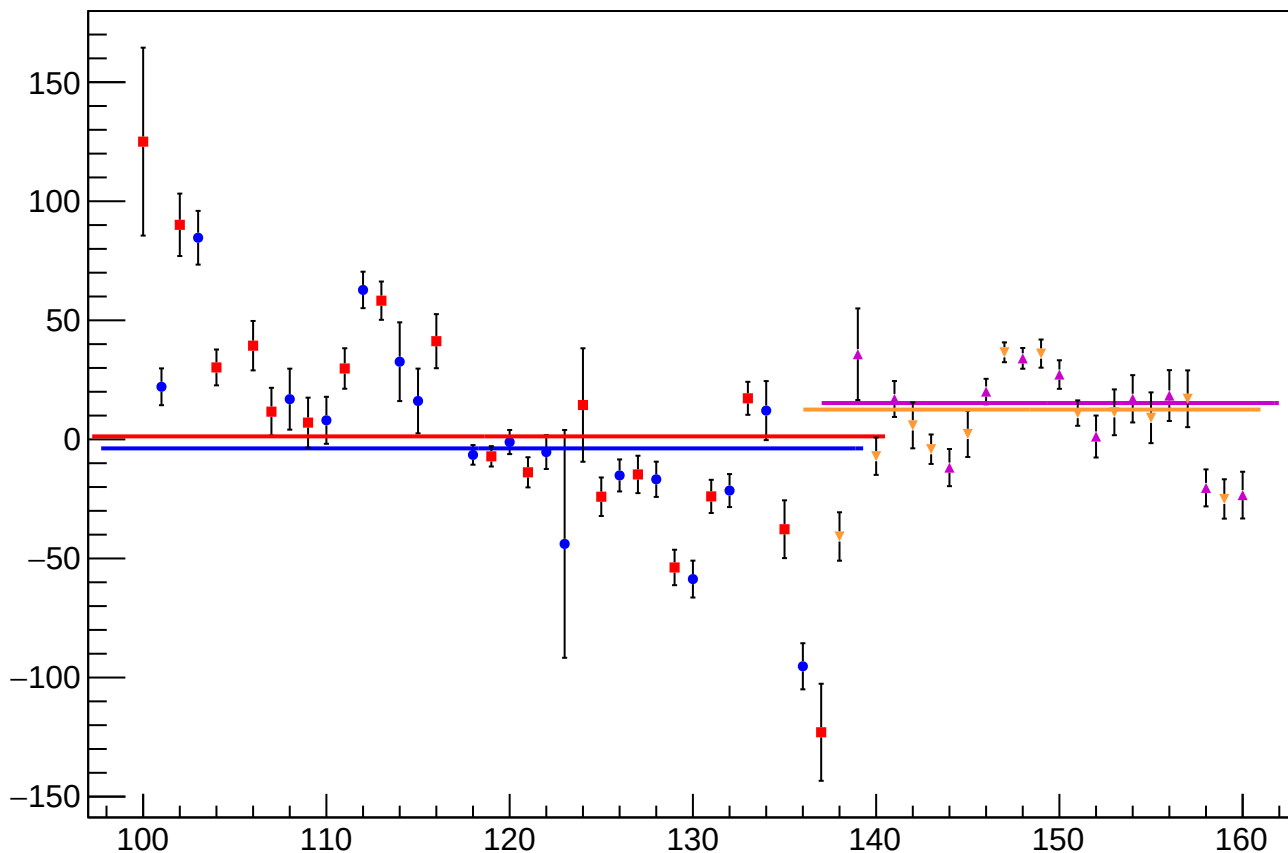
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -559.418+/-3.309 χ^2/NDF :98.1/10

Out: -486.538+/-3.167 χ^2/NDF :3148.0/11

All: -521.379+/-2.288 χ^2/NDF : 3499.4/22

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773 ± 1.889 χ^2/NDF : 314.3/16

Left Out: 12.523 ± 2.058 χ^2/NDF : 112.7/11

Right Out: 1.265 ± 1.920 χ^2/NDF : 303.7/18

Left In: 15.275 ± 2.177 χ^2/NDF : 75.8/10

Left: 13.821 ± 1.496 χ^2/NDF : 189.4/22

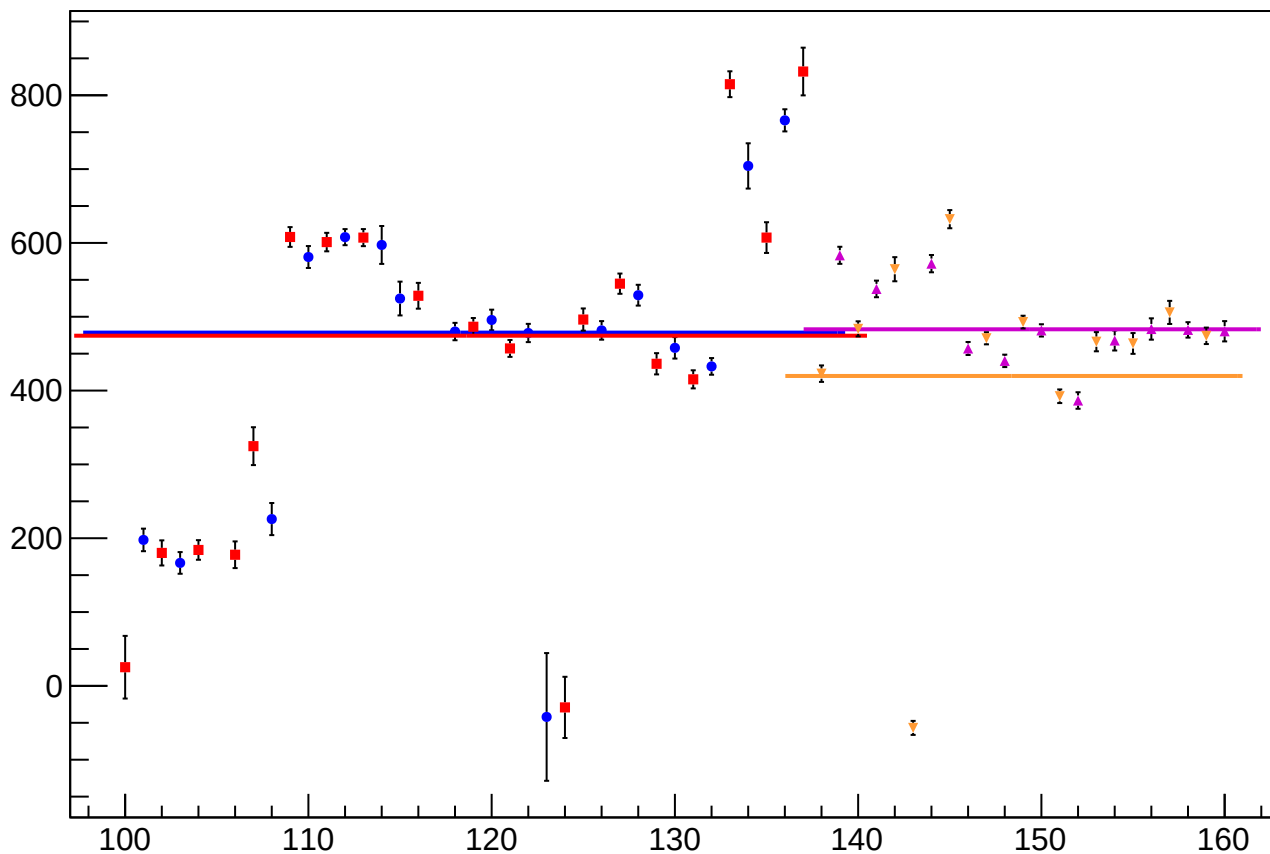
Right: -1.296 ± 1.346 χ^2/NDF : 621.6/35

In: 4.404 ± 1.427 χ^2/NDF : 433.9/27

Out: 6.506 ± 1.404 χ^2/NDF : 432.4/30

All: 5.472 ± 1.001 χ^2/NDF : 867.4/58

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.526 ± 3.630 $\chi^2/\text{NDF}: 1629.0/16$

Left Out: 419.787 ± 3.129 $\chi^2/\text{NDF}: 3129.1/11$

Right Out: 474.328 ± 3.533 $\chi^2/\text{NDF}: 2287.1/18$

Left In: 483.005 ± 3.215 $\chi^2/\text{NDF}: 266.3/10$

Left: 450.538 ± 2.242 $\chi^2/\text{NDF}: 3594.0/22$

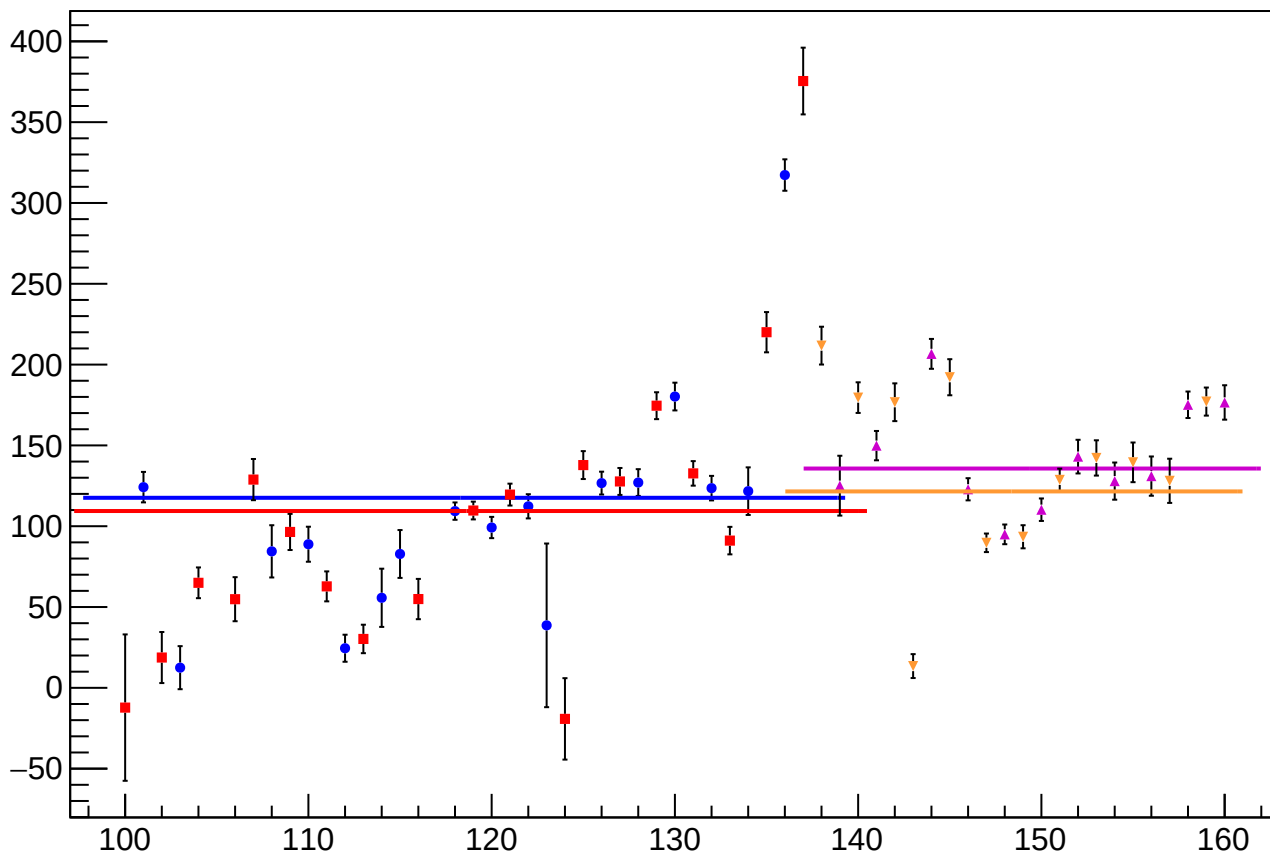
Right: 476.370 ± 2.532 $\chi^2/\text{NDF}: 3916.8/35$

In: 481.036 ± 2.407 $\chi^2/\text{NDF}: 1896.2/27$

Out: 443.763 ± 2.342 $\chi^2/\text{NDF}: 5549.8/30$

All: 461.893 ± 1.679 $\chi^2/\text{NDF}: 7569.2/58$

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.585 ± 2.193 $\chi^2/\text{NDF}: 706.9/16$

Left Out: 121.529 ± 2.529 $\chi^2/\text{NDF}: 467.0/11$

Right Out: 109.400 ± 2.210 $\chi^2/\text{NDF}: 571.2/18$

Left In: 135.689 ± 2.645 $\chi^2/\text{NDF}: 162.2/10$

Left: 128.290 ± 1.828 $\chi^2/\text{NDF}: 644.2/22$

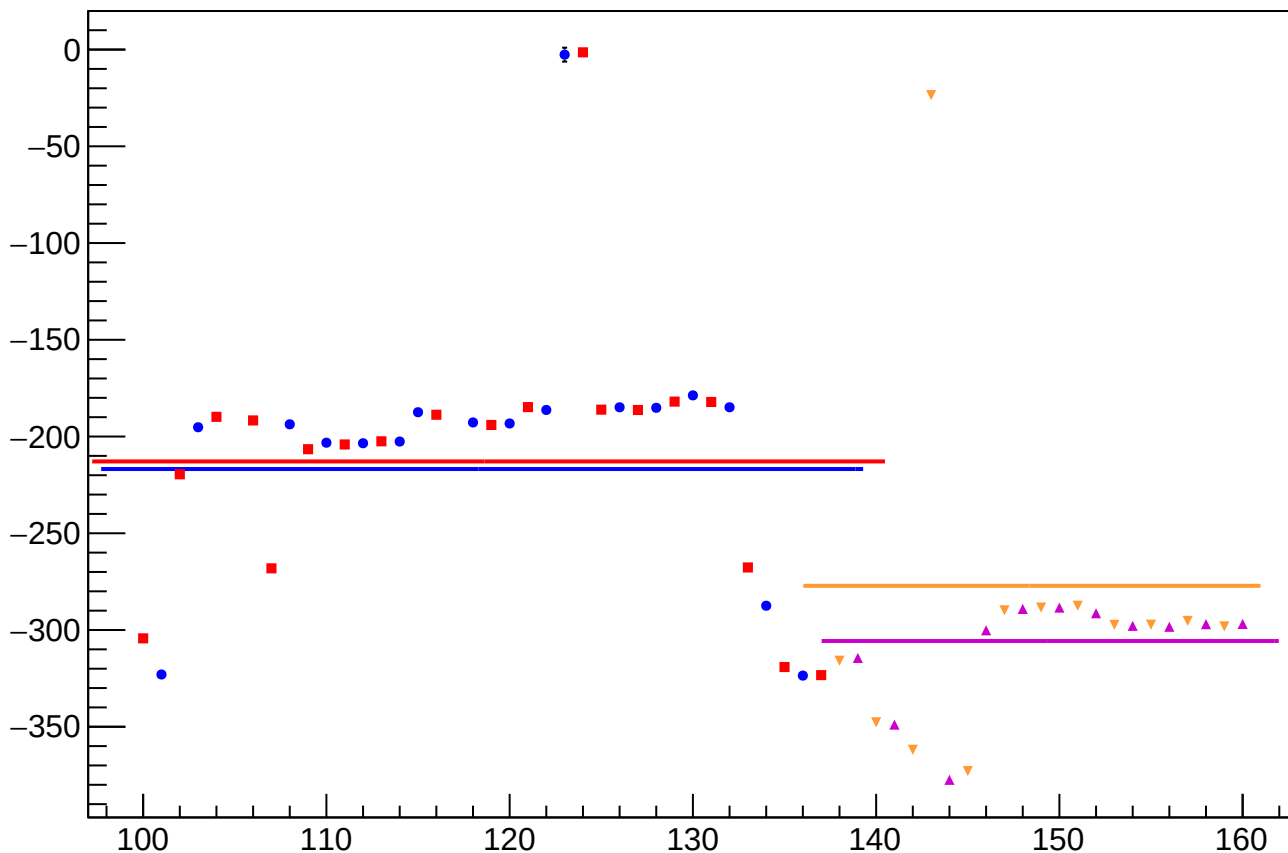
Right: 113.524 ± 1.557 $\chi^2/\text{NDF}: 1285.0/35$

In: 124.958 ± 1.688 $\chi^2/\text{NDF}: 896.9/27$

Out: 114.651 ± 1.664 $\chi^2/\text{NDF}: 1051.2/30$

All: 119.730 ± 1.185 $\chi^2/\text{NDF}: 1967.0/58$

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -216.796 ± 0.136 $\chi^2/\text{NDF}: 146976.1/16$

Left Out: -277.158 ± 0.127 $\chi^2/\text{NDF}: 543359.2/11$

Right Out: -212.869 ± 0.130 $\chi^2/\text{NDF}: 116393.6/18$

Left In: -305.675 ± 0.128 $\chi^2/\text{NDF}: 36126.8/10$

Left: -291.297 ± 0.090 $\chi^2/\text{NDF}: 604587.2/22$

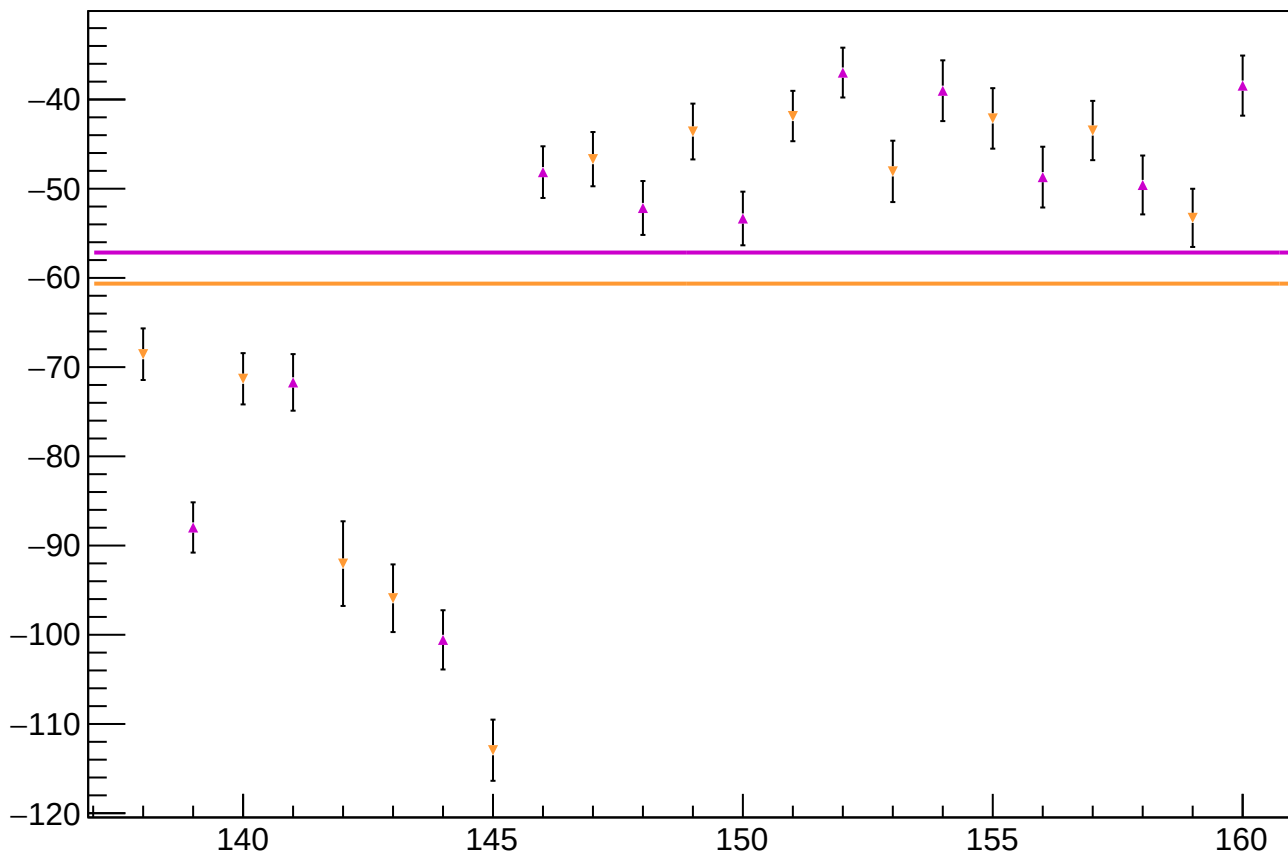
Right: -214.751 ± 0.094 $\chi^2/\text{NDF}: 263806.1/35$

In: -263.879 ± 0.093 $\chi^2/\text{NDF}: 410519.3/27$

Out: -245.866 ± 0.091 $\chi^2/\text{NDF}: 784983.5/30$

All: -254.655 ± 0.065 $\chi^2/\text{NDF}: 1214705.0/58$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



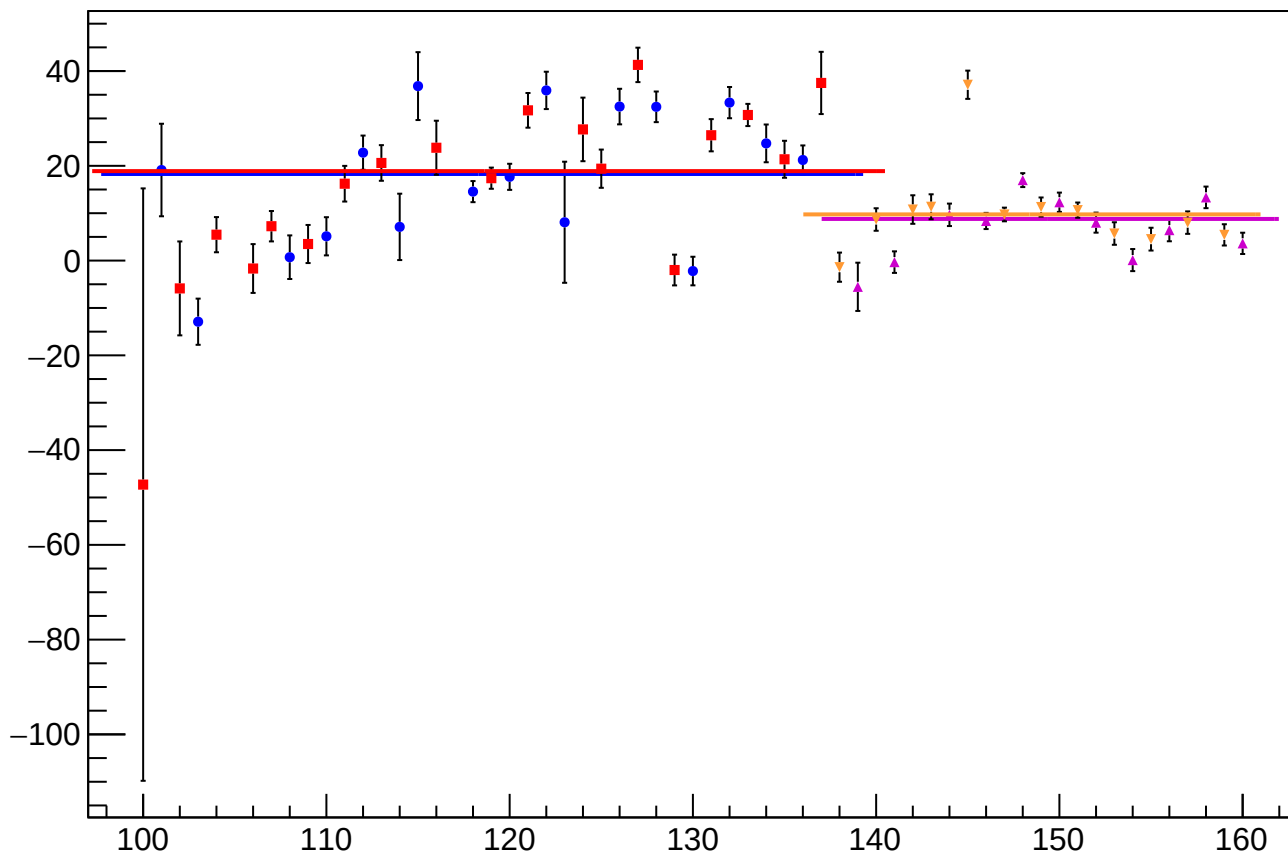
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -60.640+/-0.940 χ^2/NDF :554.2/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -57.157+/-0.938 χ^2/NDF :448.5/10

Left: -58.895+/-0.664 χ^2/NDF : 1009.6/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -57.157+/-0.938 χ^2/NDF :448.5/10
 Out: -60.640+/-0.940 χ^2/NDF :554.2/11

All: -58.895+/-0.664 χ^2/NDF : 1009.6/22

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.279 ± 0.906 χ^2/NDF : 204.6/16

Left Out: 9.748 ± 0.633 χ^2/NDF : 110.8/11

Right Out: 18.882 ± 0.864 χ^2/NDF : 198.4/18

Left In: 8.788 ± 0.641 χ^2/NDF : 82.5/10

Left: 9.274 ± 0.450 χ^2/NDF : 194.4/22

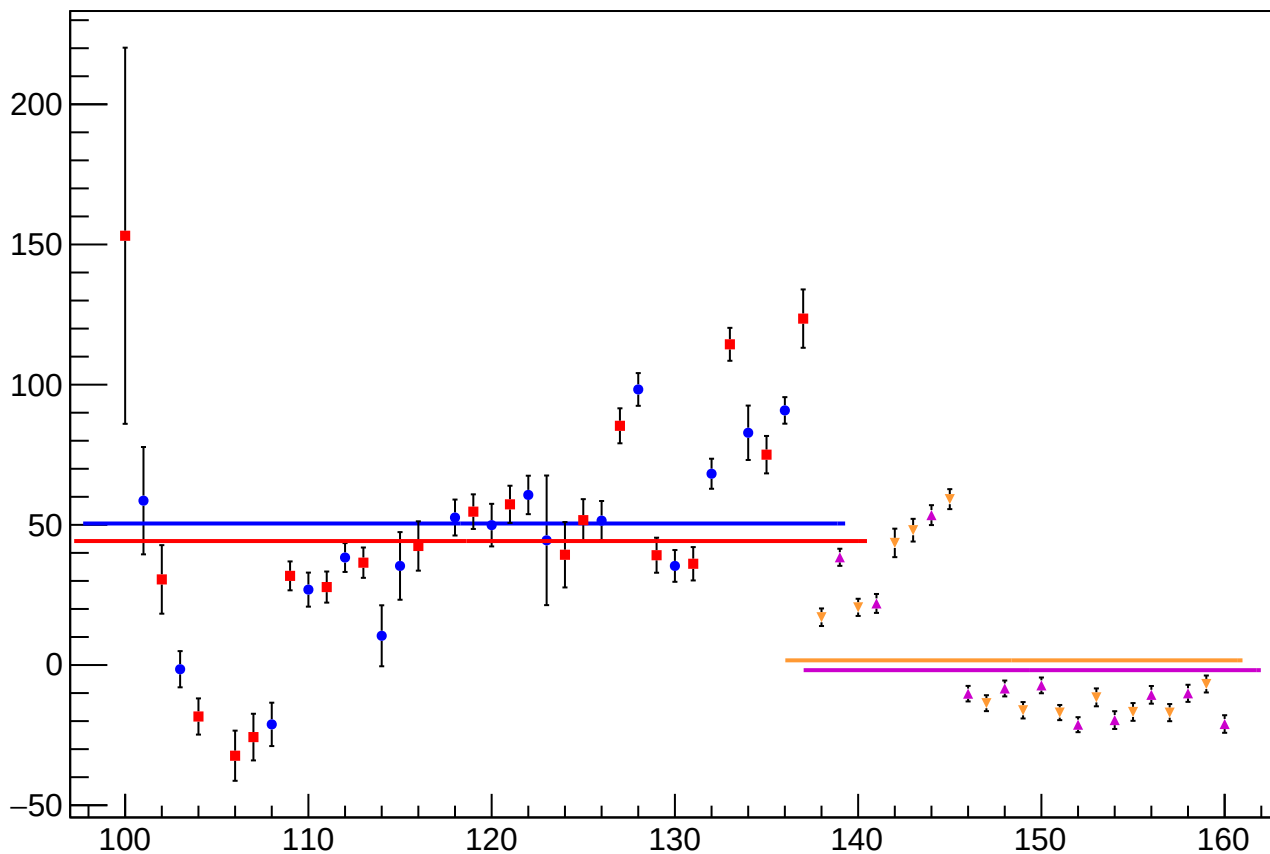
Right: 18.595 ± 0.625 χ^2/NDF : 403.2/35

In: 11.954 ± 0.523 χ^2/NDF : 360.3/27

Out: 12.939 ± 0.511 χ^2/NDF : 381.9/30

All: 12.458 ± 0.365 χ^2/NDF : 744.0/58

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.482 ± 1.668 $\chi^2/\text{NDF}: 357.9/16$

Left Out: 1.672 ± 0.921 $\chi^2/\text{NDF}: 731.8/11$

Right Out: 44.222 ± 1.602 $\chi^2/\text{NDF}: 534.4/18$

Left In: -1.831 ± 0.911 $\chi^2/\text{NDF}: 621.9/10$

Left: -0.099 ± 0.648 $\chi^2/\text{NDF}: 1361.0/22$

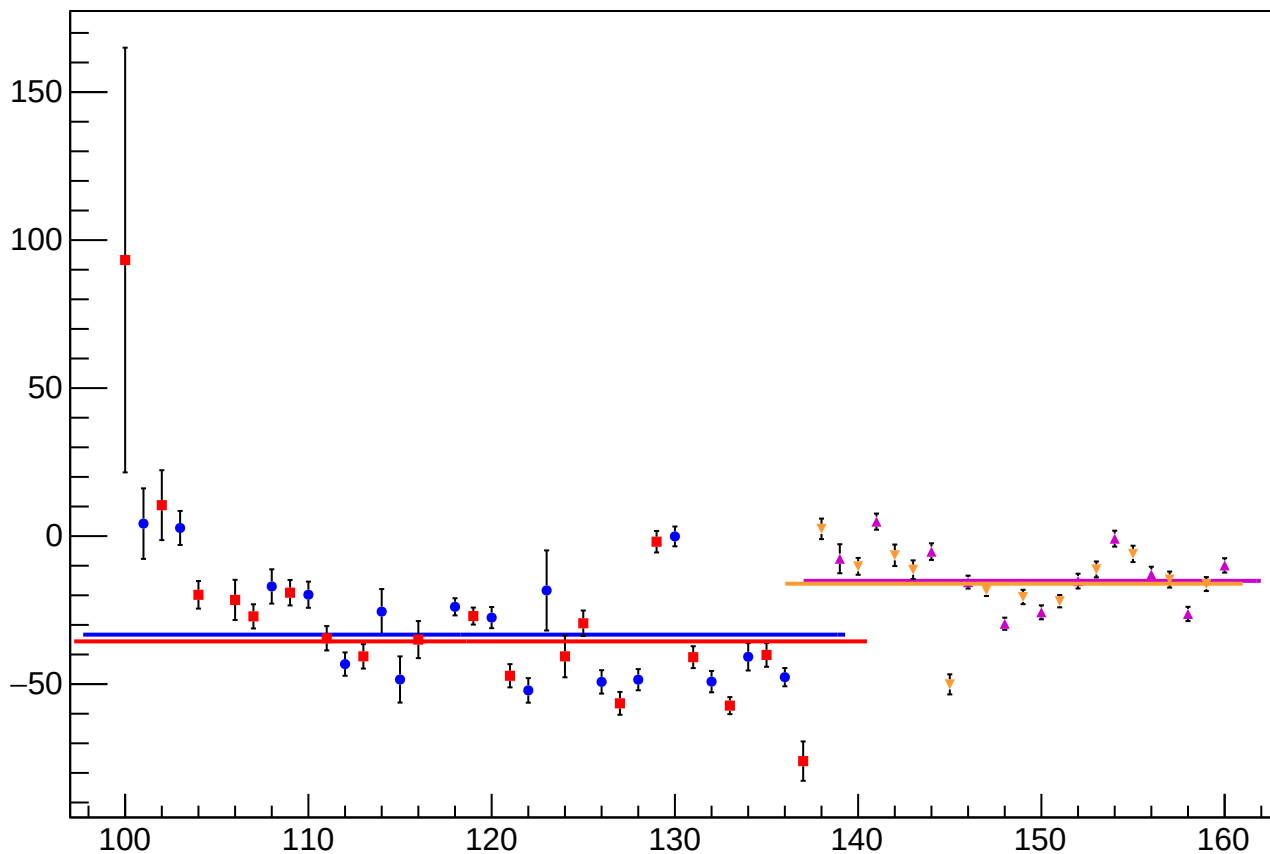
Right: 47.226 ± 1.156 $\chi^2/\text{NDF}: 899.6/35$

In: 10.186 ± 0.799 $\chi^2/\text{NDF}: 1737.5/27$

Out: 12.237 ± 0.799 $\chi^2/\text{NDF}: 1796.2/30$

All: 11.212 ± 0.565 $\chi^2/\text{NDF}: 3537.0/58$

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.292 ± 1.033 χ^2/NDF : 289.1/16

Left Out: -16.081 ± 0.766 χ^2/NDF : 171.5/11

Right Out: -35.566 ± 0.992 χ^2/NDF : 287.6/18

Left In: -15.114 ± 0.765 χ^2/NDF : 193.6/10

Left: -15.597 ± 0.541 χ^2/NDF : 365.9/22

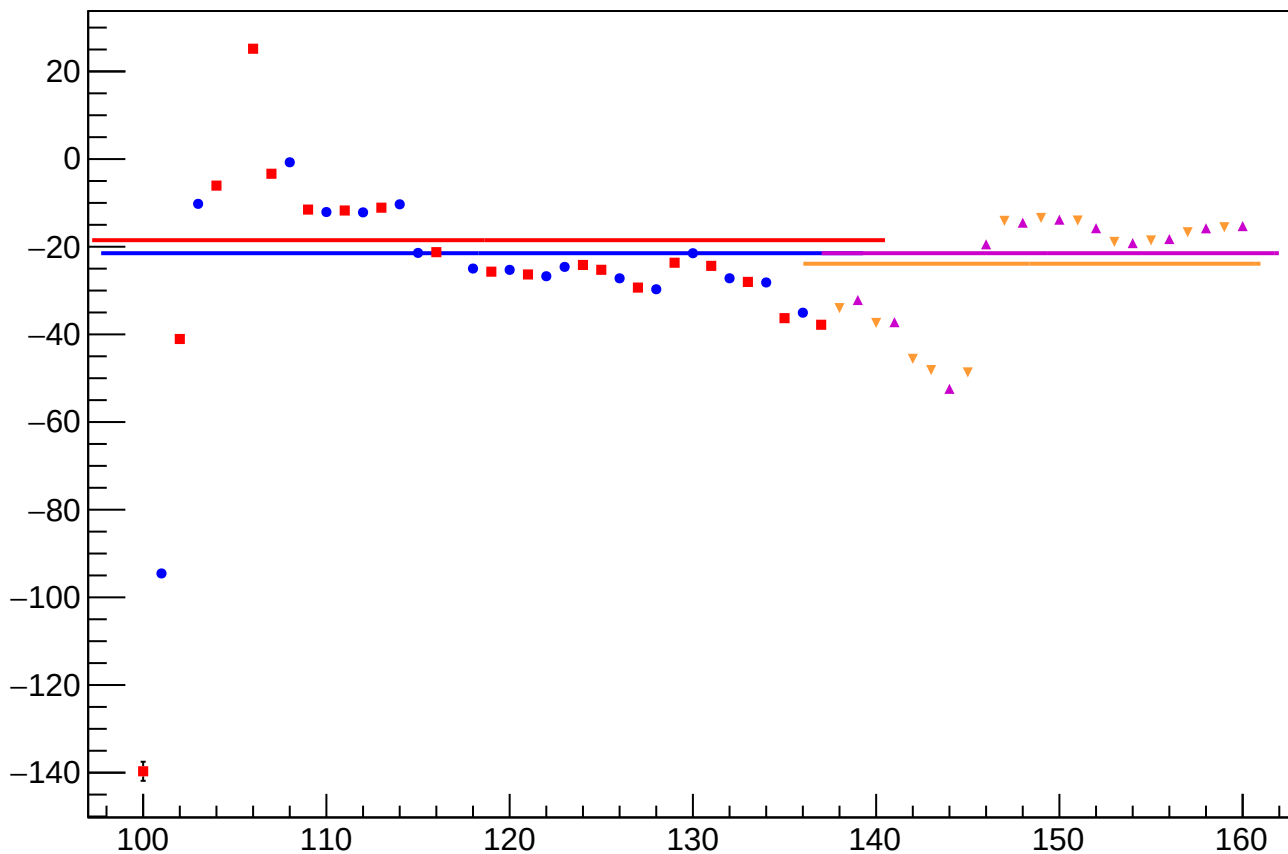
Right: -34.474 ± 0.716 χ^2/NDF : 579.3/35

In: -21.549 ± 0.615 χ^2/NDF : 682.7/27

Out: -23.351 ± 0.606 χ^2/NDF : 700.8/30

All: -22.463 ± 0.432 χ^2/NDF : 1387.8/58

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.476 ± 0.059 $\chi^2/\text{NDF}: 49009.8/16$

Left Out: -23.875 ± 0.036 $\chi^2/\text{NDF}: 116399.1/11$

Right Out: -18.506 ± 0.057 $\chi^2/\text{NDF}: 80734.5/18$

Left In: -21.474 ± 0.035 $\chi^2/\text{NDF}: 80482.5/10$

Left: -22.650 ± 0.025 $\chi^2/\text{NDF}: 199143.5/22$

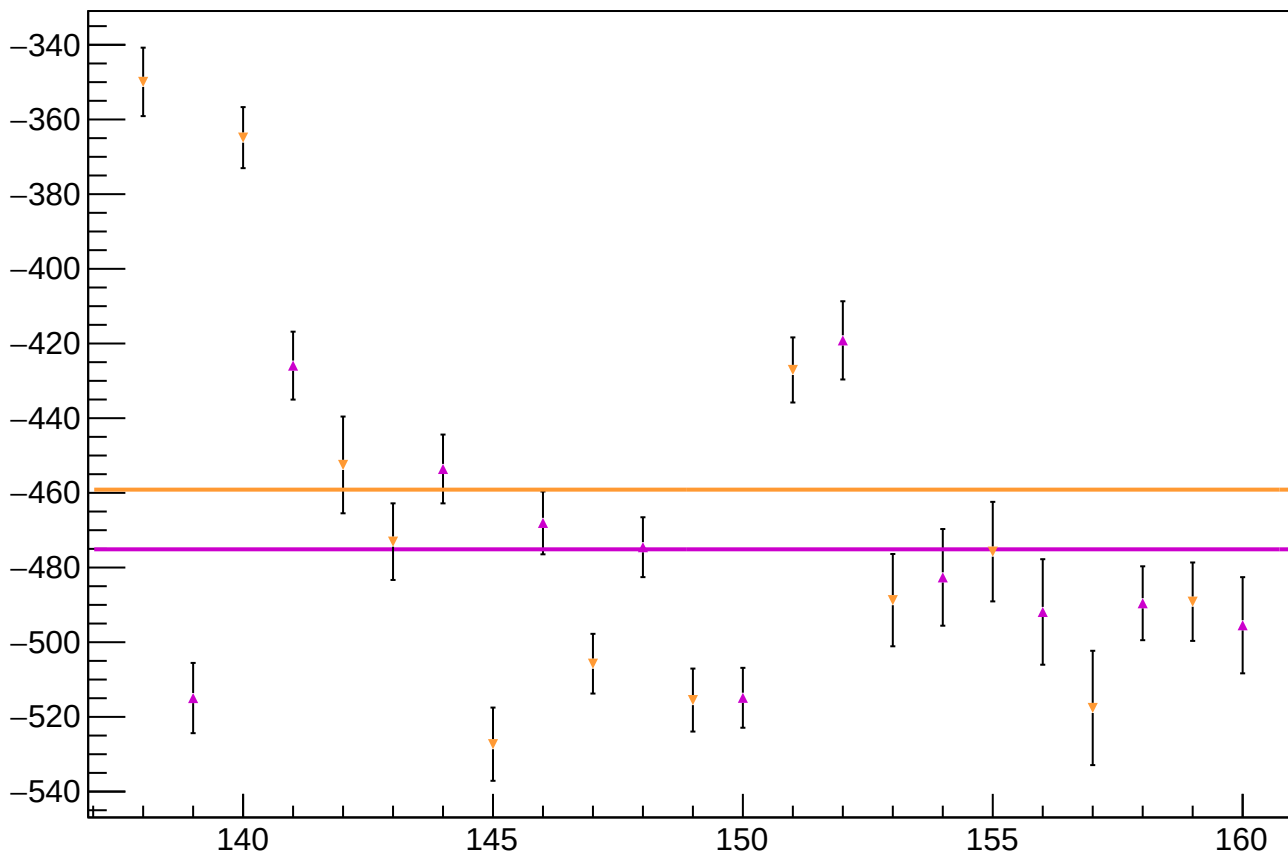
Right: -19.957 ± 0.041 $\chi^2/\text{NDF}: 131054.3/35$

In: -21.474 ± 0.030 $\chi^2/\text{NDF}: 129492.2/27$

Out: -22.353 ± 0.031 $\chi^2/\text{NDF}: 203414.1/30$

All: -21.910 ± 0.021 $\chi^2/\text{NDF}: 333324.0/58$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -459.136+/-2.874 χ^2/NDF :447.6/11

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

Left In: -475.120+/-2.927 χ^2/NDF :112.8/10

Left: -466.981+/-2.051 χ^2/NDF : 575.6/22

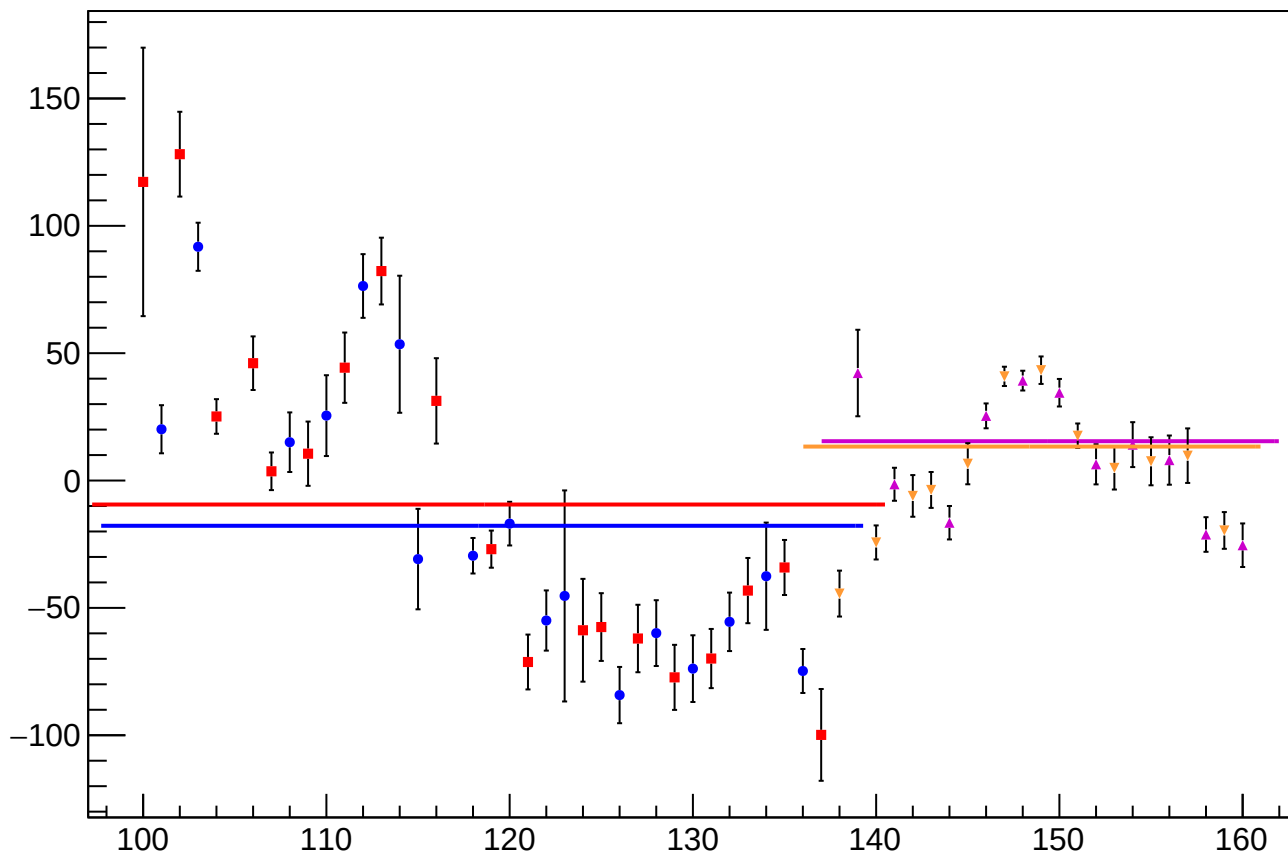
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -475.120+/-2.927 χ^2/NDF :112.8/10

Out: -459.136+/-2.874 χ^2/NDF :447.6/11

All: -466.981+/-2.051 χ^2/NDF : 575.6/22

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.765 ± 2.781 $\chi^2/\text{NDF}: 363.9/16$

Left Out: 13.337 ± 1.872 $\chi^2/\text{NDF}: 191.8/11$

Right Out: -9.417 ± 2.613 $\chi^2/\text{NDF}: 369.6/18$

Left In: 15.444 ± 1.932 $\chi^2/\text{NDF}: 140.9/10$

Left: 14.357 ± 1.344 $\chi^2/\text{NDF}: 333.3/22$

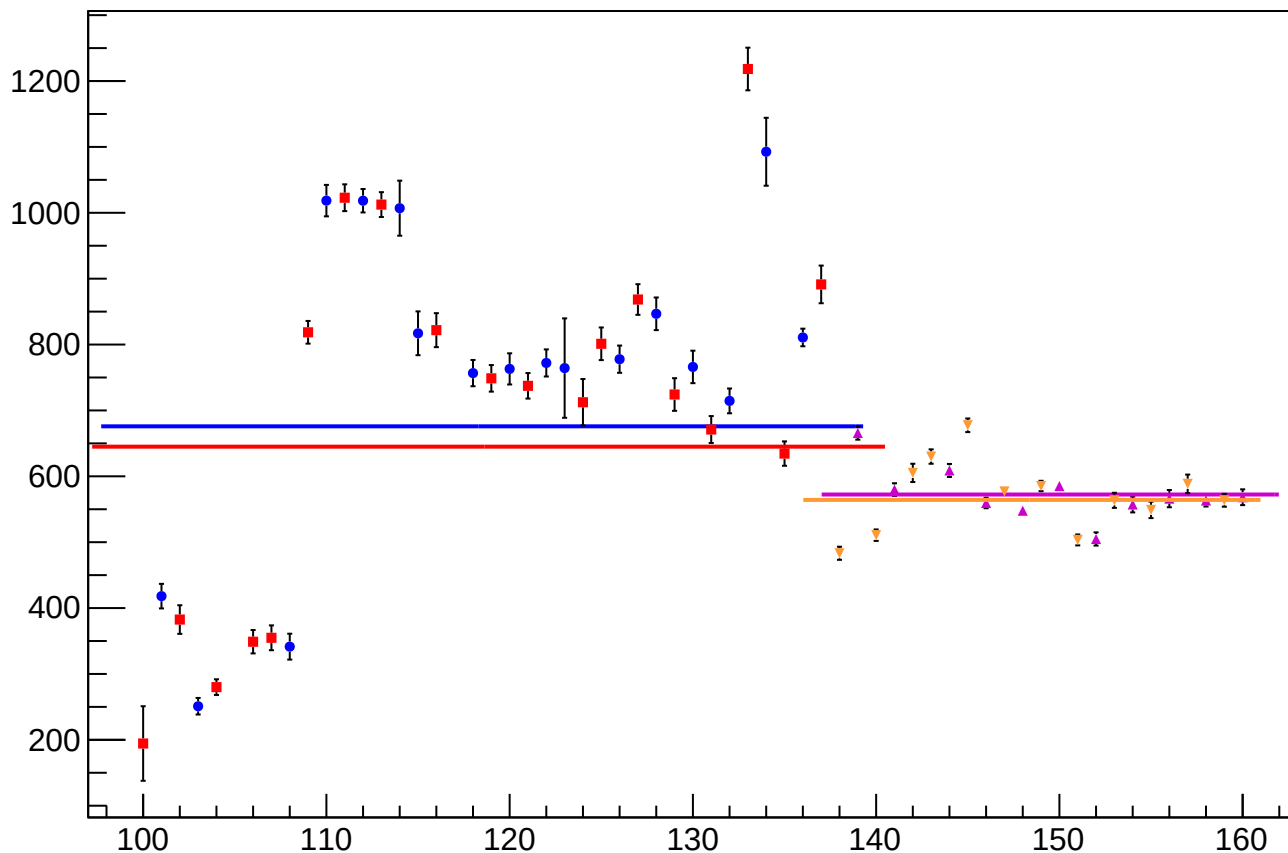
Right: -13.331 ± 1.905 $\chi^2/\text{NDF}: 738.2/35$

In: 4.637 ± 1.587 $\chi^2/\text{NDF}: 600.9/27$

Out: 5.621 ± 1.522 $\chi^2/\text{NDF}: 611.5/30$

All: 5.150 ± 1.098 $\chi^2/\text{NDF}: 1212.6/58$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.871 ± 5.037 $\chi^2/\text{NDF}: 2586.4/16$

Left Out: 564.167 ± 2.835 $\chi^2/\text{NDF}: 337.1/11$

Right Out: 645.014 ± 4.761 $\chi^2/\text{NDF}: 3123.3/18$

Left In: 572.378 ± 2.849 $\chi^2/\text{NDF}: 162.9/10$

Left: 568.253 ± 2.010 $\chi^2/\text{NDF}: 504.2/22$

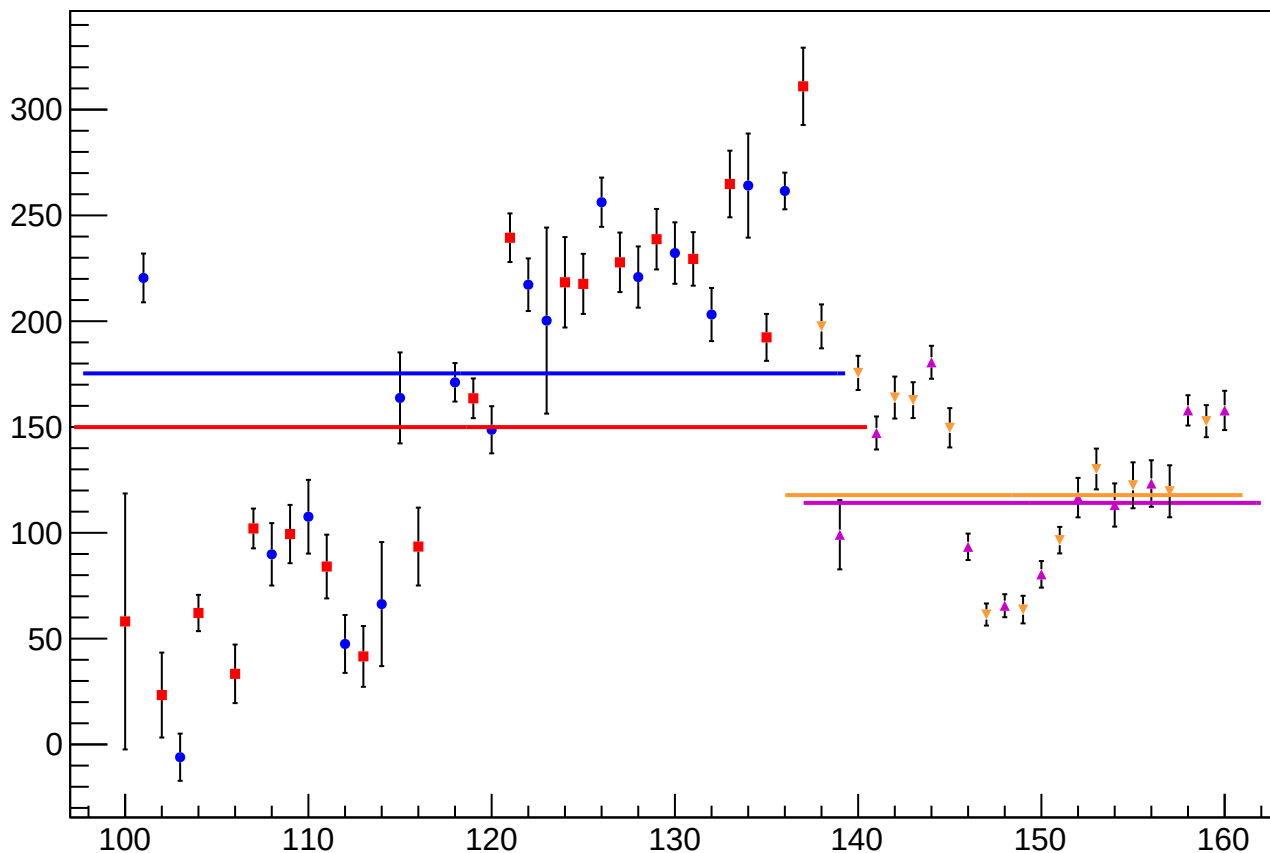
Right: 659.573 ± 3.460 $\chi^2/\text{NDF}: 5729.5/35$

In: 597.460 ± 2.480 $\chi^2/\text{NDF}: 3069.1/27$

Out: 585.334 ± 2.436 $\chi^2/\text{NDF}: 3673.3/30$

All: 591.289 ± 1.738 $\chi^2/\text{NDF}: 6754.6/58$

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.341 ± 3.203 $\chi^2/\text{NDF}: 638.5/16$

Left Out: 117.824 ± 2.299 $\chi^2/\text{NDF}: 391.5/11$

Right Out: 149.966 ± 3.045 $\chi^2/\text{NDF}: 693.2/18$

Left In: 114.144 ± 2.344 $\chi^2/\text{NDF}: 271.6/10$

Left: 116.019 ± 1.641 $\chi^2/\text{NDF}: 664.3/22$

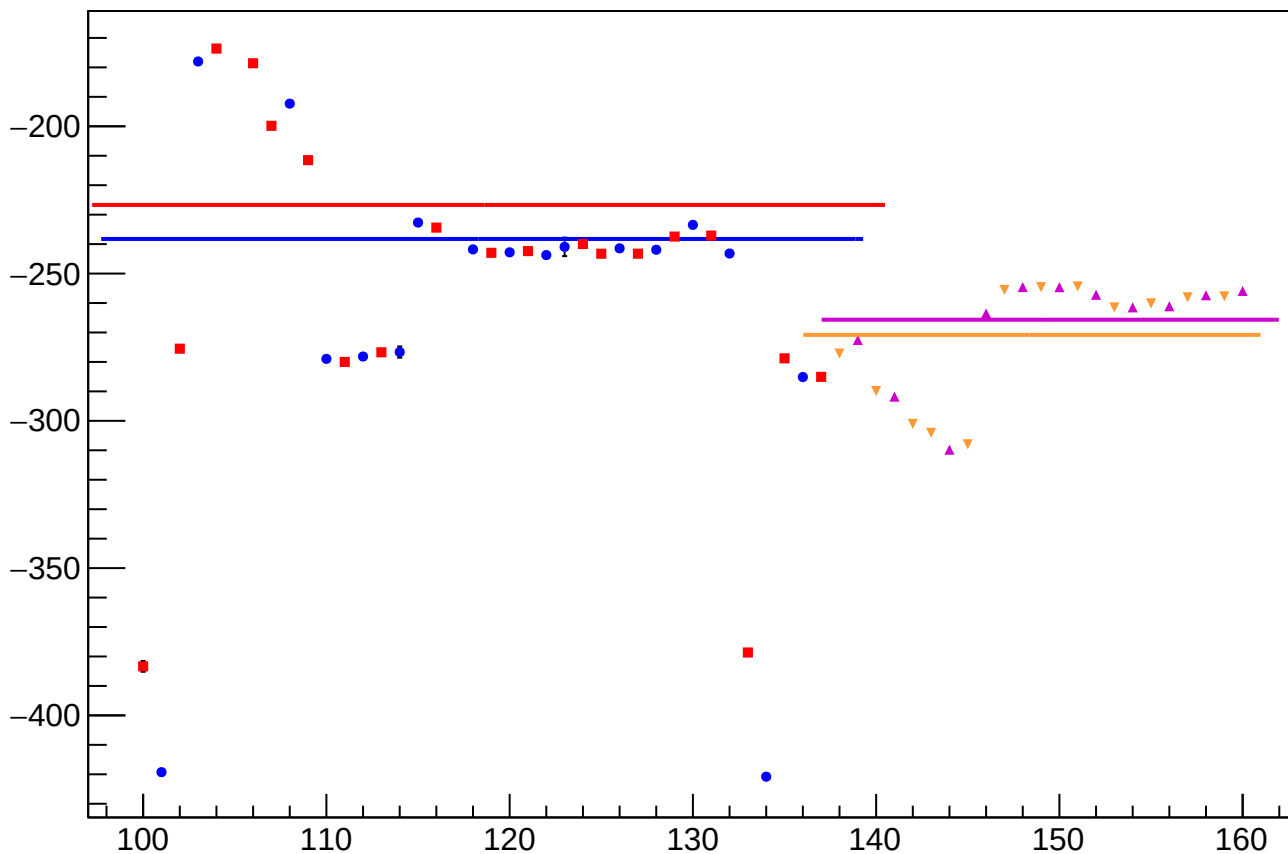
Right: 162.013 ± 2.207 $\chi^2/\text{NDF}: 1364.6/35$

In: 135.491 ± 1.892 $\chi^2/\text{NDF}: 1147.8/27$

Out: 129.494 ± 1.835 $\chi^2/\text{NDF}: 1155.6/30$

All: 132.401 ± 1.317 $\chi^2/\text{NDF}: 2308.6/58$

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.248 ± 0.160 $\chi^2/\text{NDF}: 167125.9/16$

Left Out: -270.818 ± 0.115 $\chi^2/\text{NDF}: 29131.2/11$

Right Out: -226.706 ± 0.151 $\chi^2/\text{NDF}: 102831.3/18$

Left In: -265.672 ± 0.113 $\chi^2/\text{NDF}: 19518.3/10$

Left: -268.209 ± 0.081 $\chi^2/\text{NDF}: 49668.3/22$

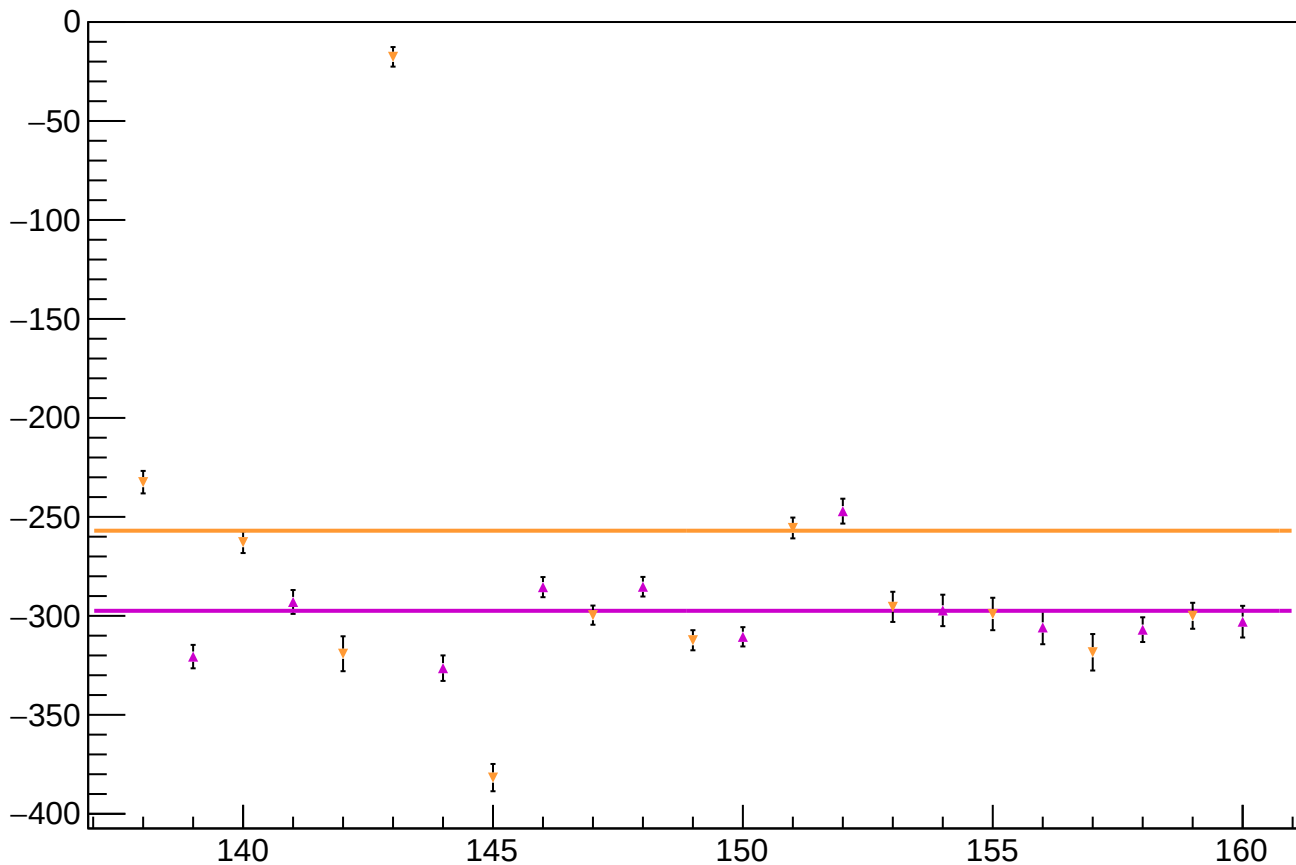
Right: -232.150 ± 0.110 $\chi^2/\text{NDF}: 272709.4/35$

In: -256.518 ± 0.092 $\chi^2/\text{NDF}: 206235.5/27$

Out: -254.674 ± 0.091 $\chi^2/\text{NDF}: 186000.2/30$

All: -255.586 ± 0.065 $\chi^2/\text{NDF}: 392437.0/58$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -256.980±/-1.758 χ^2/NDF :3074.8/11

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

Left In: -297.447±/-1.832 χ^2/NDF :122.8/10

Left: -276.376±/-1.268 χ^2/NDF : 3451.6/22

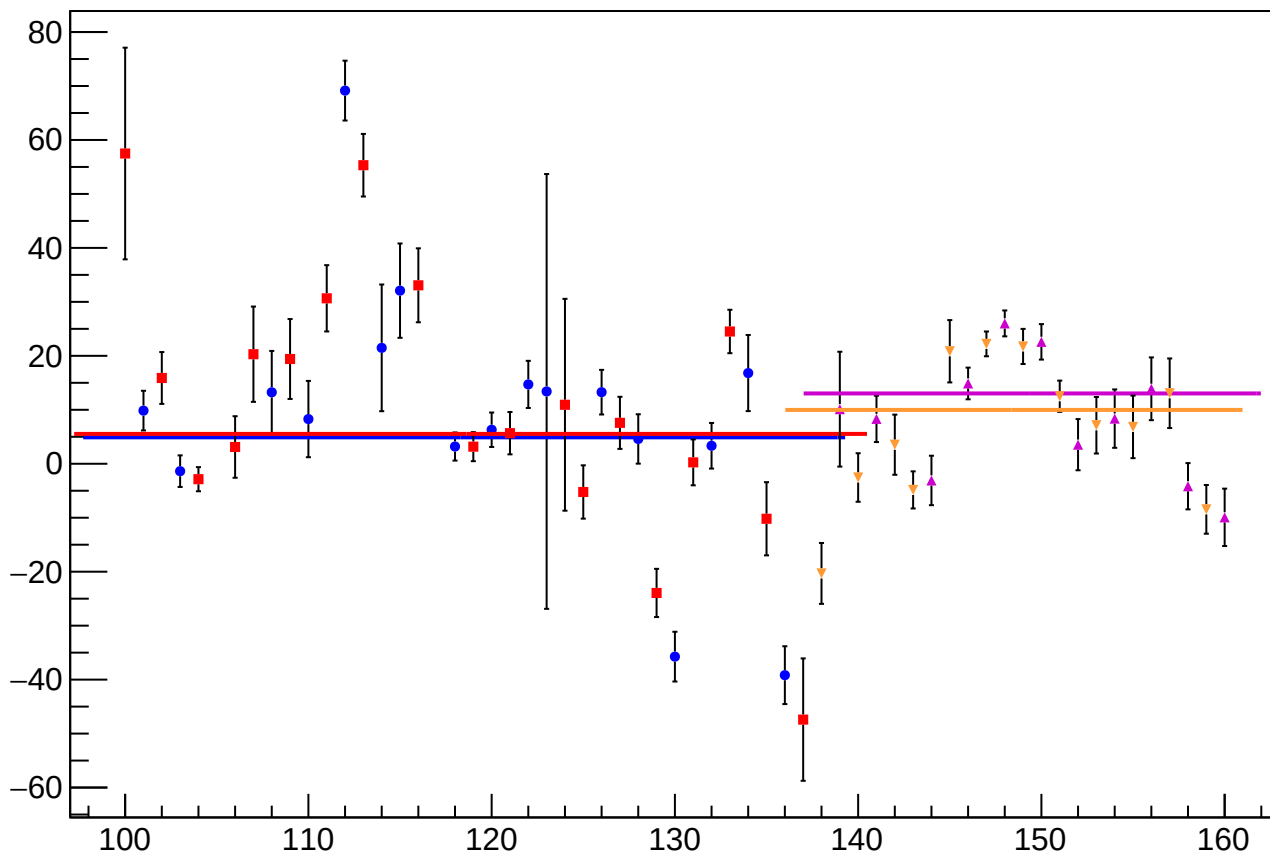
Right: 0.000±/-0.000 χ^2/NDF : 0.0/0

In: -297.447±/-1.832 χ^2/NDF :122.8/10

Out: -256.980±/-1.758 χ^2/NDF :3074.8/11

All: -276.376±/-1.268 χ^2/NDF : 3451.6/22

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.896 $\pm$ 1.089 χ^2 /NDF: 312.0/16

Left Out: 9.978 $\pm$ 1.139 χ^2 /NDF:119.8/11

Right Out: 5.534 $\pm$ 1.071 χ^2 /NDF: 239.1/18

Left In: 13.031 $\pm$ 1.203 χ^2 /NDF:91.2/10

Left: 11.421 $\pm$ 0.827 χ^2 /NDF: 214.4/22

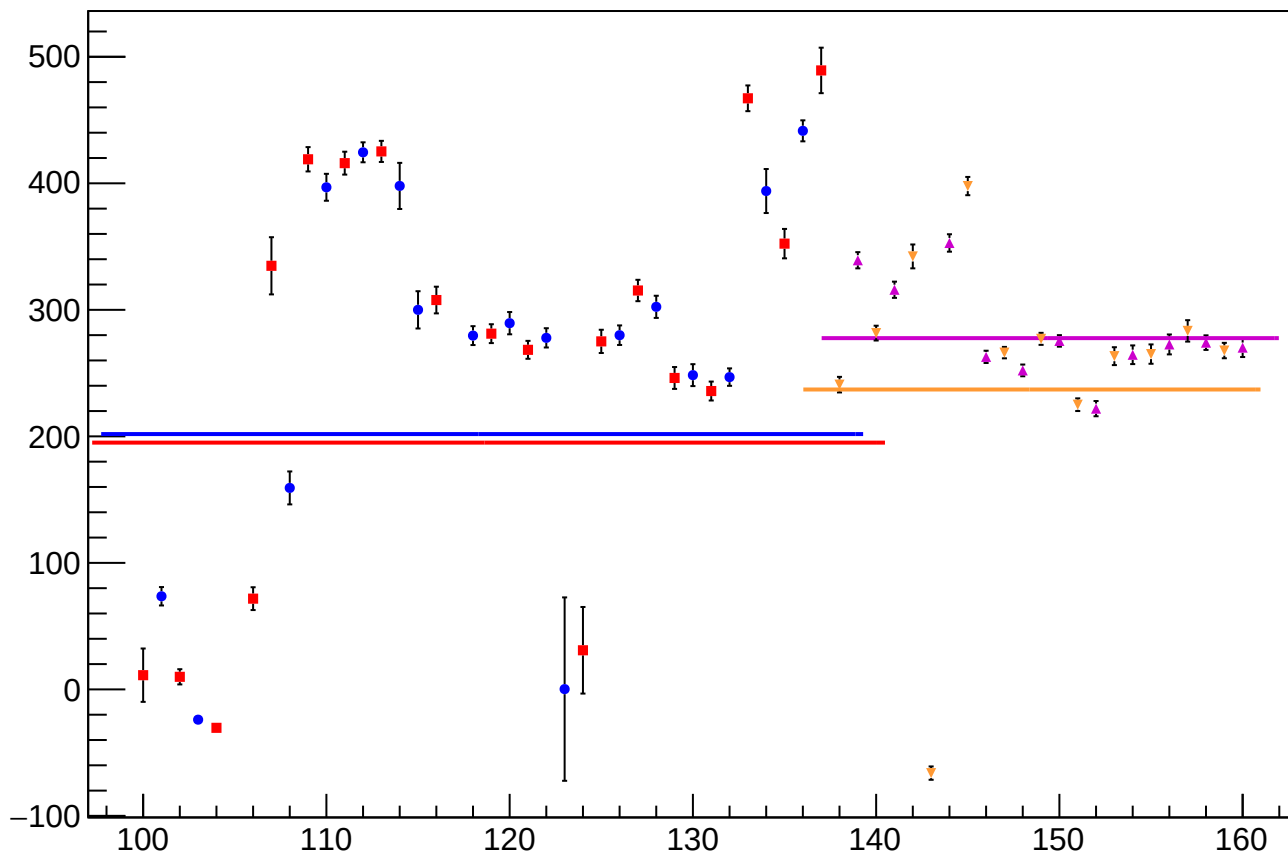
Right: 5.220 $\pm$ 0.764 χ^2 /NDF: 551.3/35

In: 8.560 $\pm$ 0.807 χ^2 /NDF:428.3/27

Out: 7.620 $\pm$ 0.780 χ^2 /NDF:367.0/30

All: 8.074 $\pm$ 0.561 χ^2 /NDF: 796.0/58

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 201.807 $\pm$ 1.970 χ^2 /NDF: 6754.2/16

Left Out: 237.039 $\pm$ 1.733 χ^2 /NDF:4176.5/11

Right Out: 195.053 $\pm$ 1.924 χ^2 /NDF: 8257.1/18

Left In: 277.634 $\pm$ 1.777 χ^2 /NDF:377.4/10

Left: 256.831 $\pm$ 1.241 χ^2 /NDF: 4821.5/22

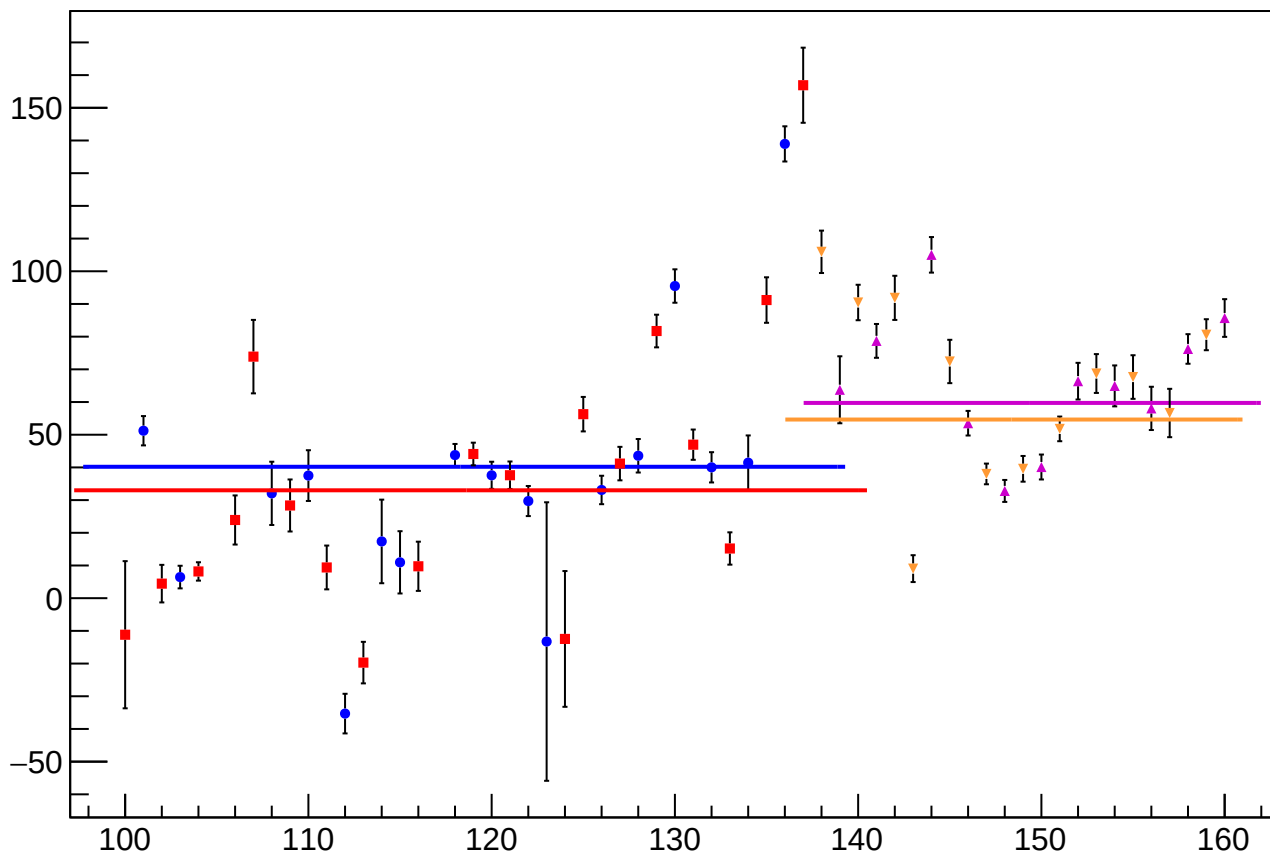
Right: 198.351 $\pm$ 1.377 χ^2 /NDF: 15017.4/35

In: 243.633 $\pm$ 1.319 χ^2 /NDF:7948.4/27

Out: 218.239 $\pm$ 1.288 χ^2 /NDF:12696.5/30

All: 230.627 $\pm$ 0.922 χ^2 /NDF: 20834.6/58

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.196 $\pm$ 1.268 χ^2/NDF : 735.0/16

Left Out: 54.647 $\pm$ 1.400 χ^2/NDF :349.3/11

Right Out: 32.999 $\pm$ 1.253 χ^2/NDF : 554.1/18

Left In: 59.729 $\pm$ 1.462 χ^2/NDF :212.1/10

Left: 57.078 $\pm$ 1.011 χ^2/NDF : 567.7/22

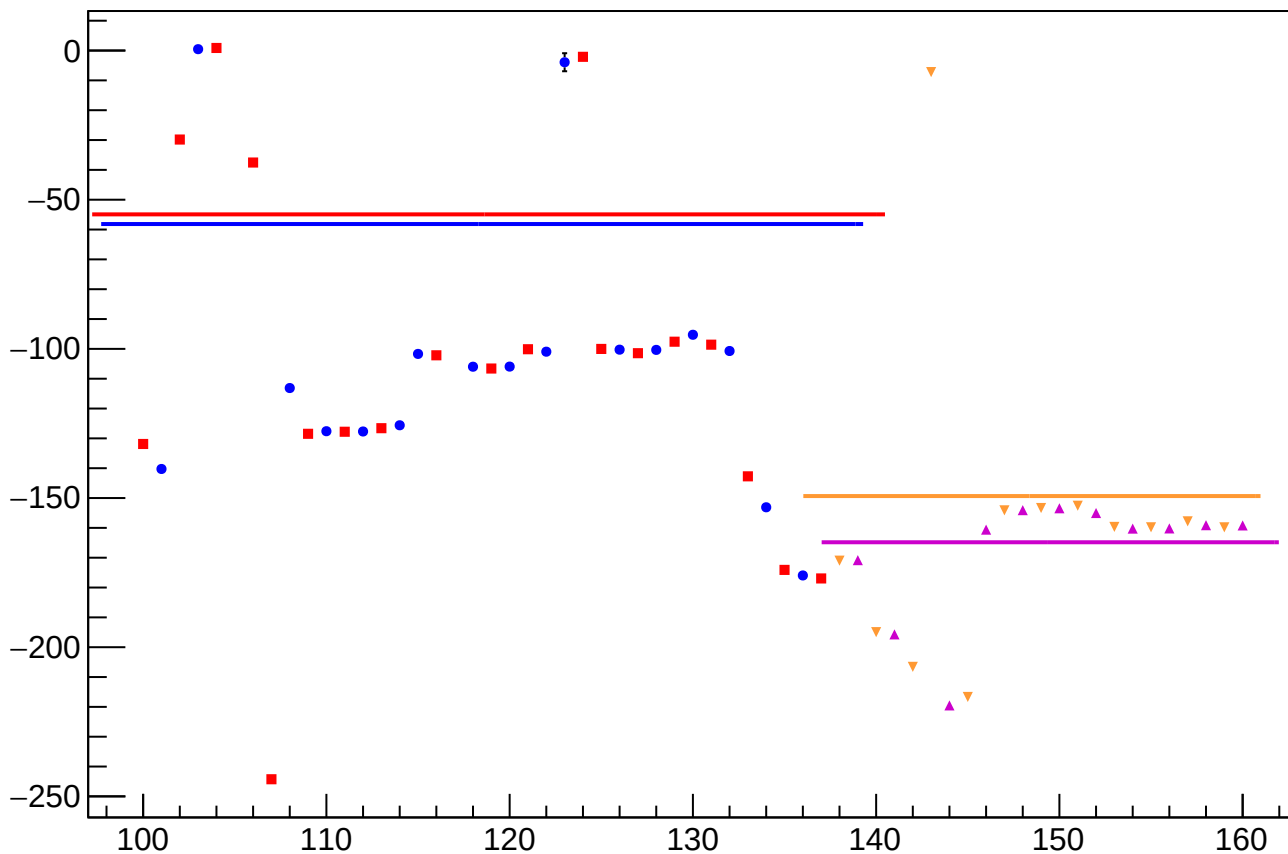
Right: 36.555 $\pm$ 0.891 χ^2/NDF : 1305.3/35

In: 48.576 $\pm$ 0.958 χ^2/NDF :1049.0/27

Out: 42.622 $\pm$ 0.934 χ^2/NDF :1036.1/30

All: 45.523 $\pm$ 0.669 χ^2/NDF : 2104.9/58

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.155 ± 0.062 $\chi^2/\text{NDF}: 1105509.3/16$

Left Out: -149.337 ± 0.070 $\chi^2/\text{NDF}: 578573.0/11$

Right Out: -54.914 ± 0.060 $\chi^2/\text{NDF}: 1003885.5/18$

Left In: -164.824 ± 0.071 $\chi^2/\text{NDF}: 57908.5/10$

Left: -157.034 ± 0.050 $\chi^2/\text{NDF}: 660731.0/22$

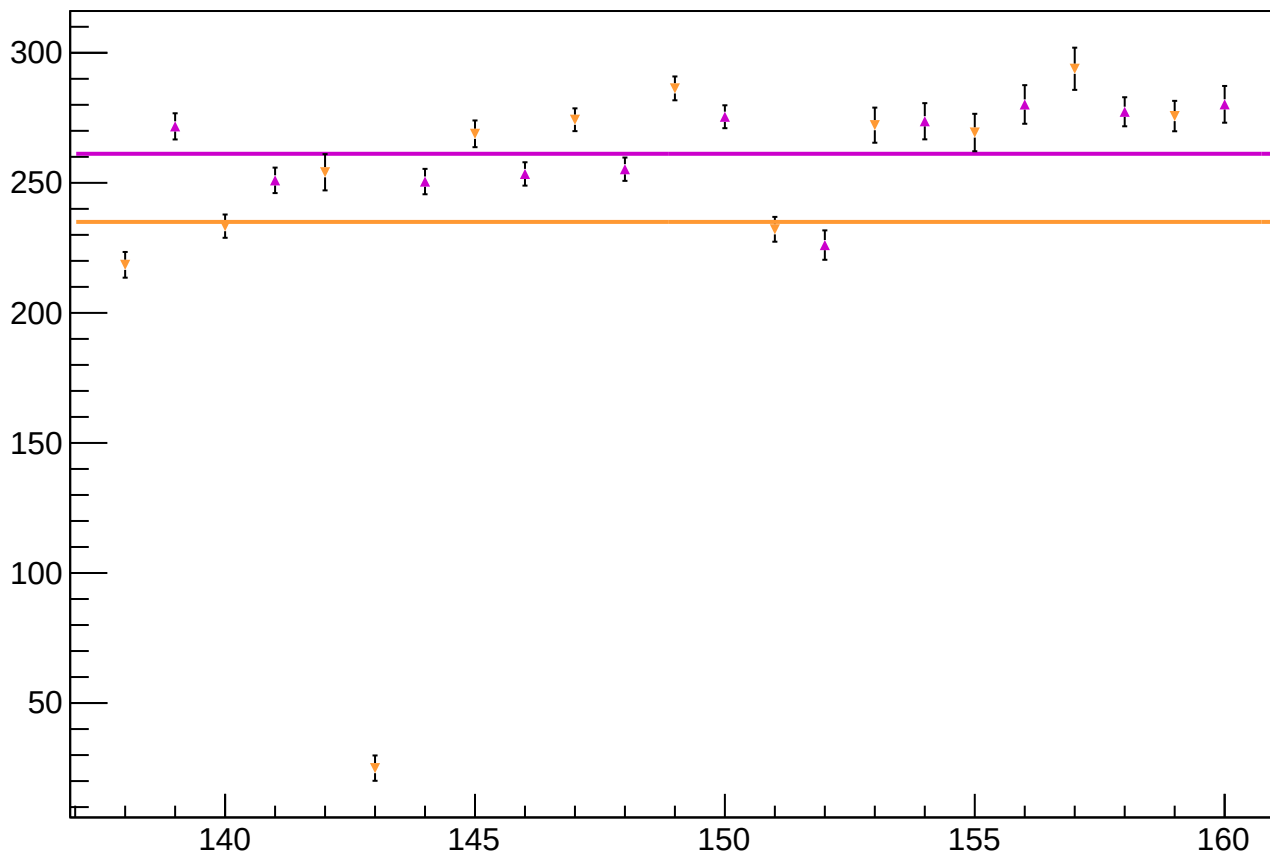
Right: -56.499 ± 0.043 $\chi^2/\text{NDF}: 2110811.0/35$

In: -104.289 ± 0.046 $\chi^2/\text{NDF}: 2461399.9/27$

Out: -95.003 ± 0.046 $\chi^2/\text{NDF}: 2626259.9/30$

All: -99.575 ± 0.033 $\chi^2/\text{NDF}: 5108002.8/58$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 234.983+/-1.541 χ^2/NDF :2282.3/11

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

Left In: 261.177+/-1.589 χ^2/NDF :92.6/10

Left: 247.686+/-1.106 χ^2/NDF : 2515.0/22

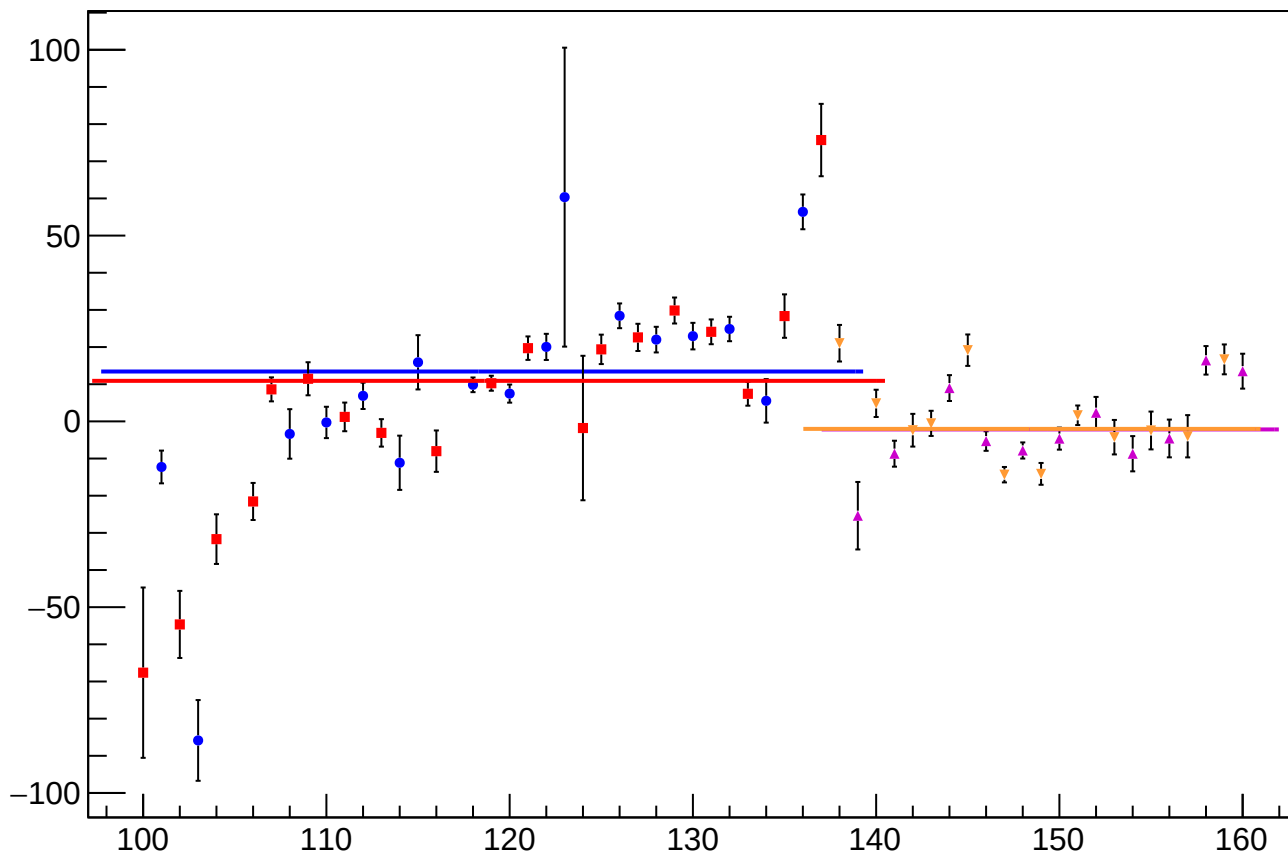
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 261.177+/-1.589 χ^2/NDF :92.6/10

Out: 234.983+/-1.541 χ^2/NDF :2282.3/11

All: 247.686+/-1.106 χ^2/NDF : 2515.0/22

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.423 ± 0.920 $\chi^2/\text{NDF}: 295.2/16$

Left Out: -2.020 ± 1.010 $\chi^2/\text{NDF}: 126.9/11$

Right Out: 10.908 ± 0.916 $\chi^2/\text{NDF}: 302.6/18$

Left In: -2.166 ± 1.055 $\chi^2/\text{NDF}: 67.1/10$

Left: -2.090 ± 0.729 $\chi^2/\text{NDF}: 194.0/22$

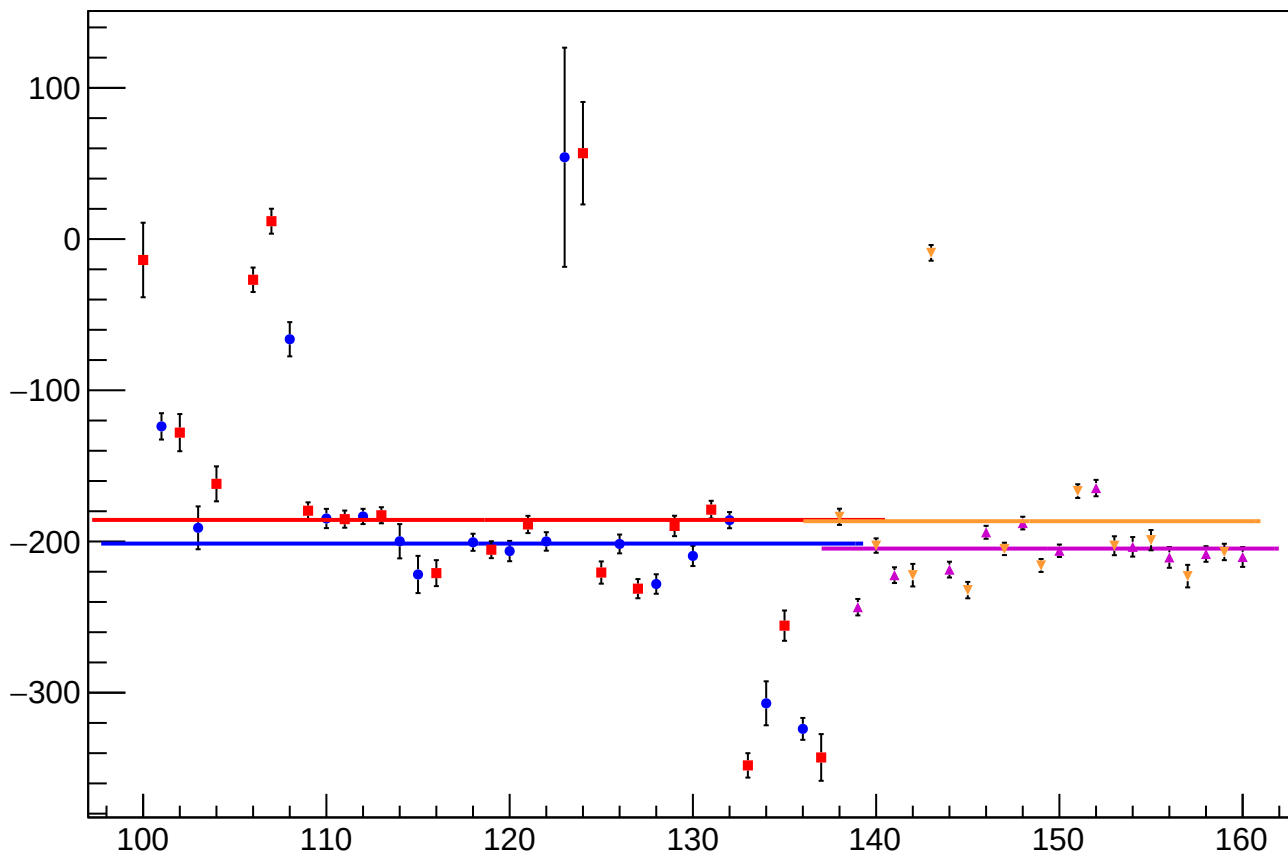
Right: 12.160 ± 0.649 $\chi^2/\text{NDF}: 601.6/35$

In: 6.690 ± 0.693 $\chi^2/\text{NDF}: 486.4/27$

Out: 5.072 ± 0.679 $\chi^2/\text{NDF}: 519.4/30$

All: 5.864 ± 0.485 $\chi^2/\text{NDF}: 1008.6/58$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.384 ± 1.779 χ^2/NDF : 623.5/16

Left Out: -186.578 ± 1.525 χ^2/NDF : 1404.4/11

Right Out: -185.739 ± 1.700 χ^2/NDF : 1749.3/18

Left In: -204.691 ± 1.548 χ^2/NDF : 148.2/10

Left: -195.496 ± 1.086 χ^2/NDF : 1622.1/22

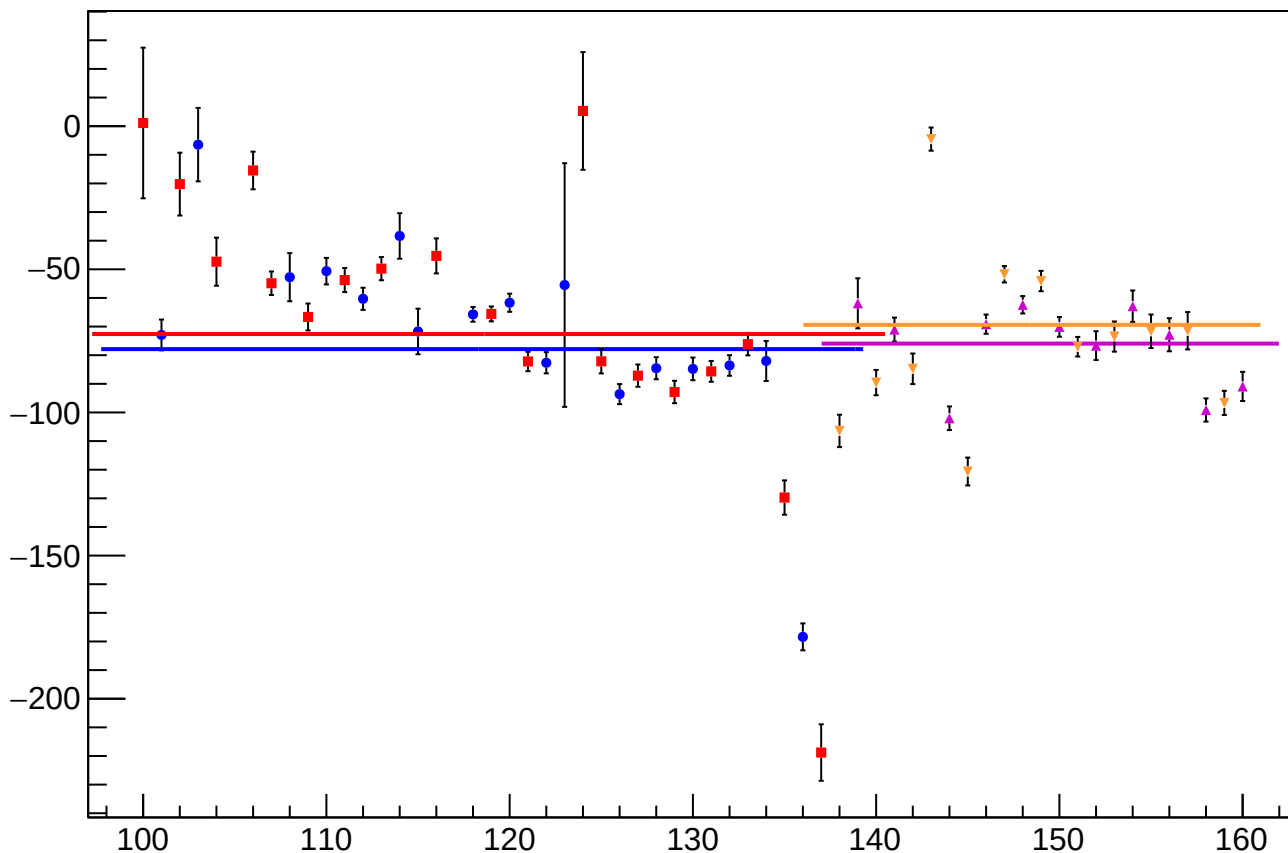
Right: -193.204 ± 1.229 χ^2/NDF : 2413.2/35

In: -203.266 ± 1.168 χ^2/NDF : 773.7/27

Out: -186.204 ± 1.135 χ^2/NDF : 3153.8/30

All: -194.491 ± 0.814 χ^2/NDF : 4037.2/58

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.877 ± 1.066 χ^2/NDF : 658.2/16

Left Out: -69.405 ± 1.238 χ^2/NDF : 544.5/11

Right Out: -72.612 ± 1.054 χ^2/NDF : 606.9/18

Left In: -75.948 ± 1.278 χ^2/NDF : 118.2/10

Left: -72.572 ± 0.889 χ^2/NDF : 676.2/22

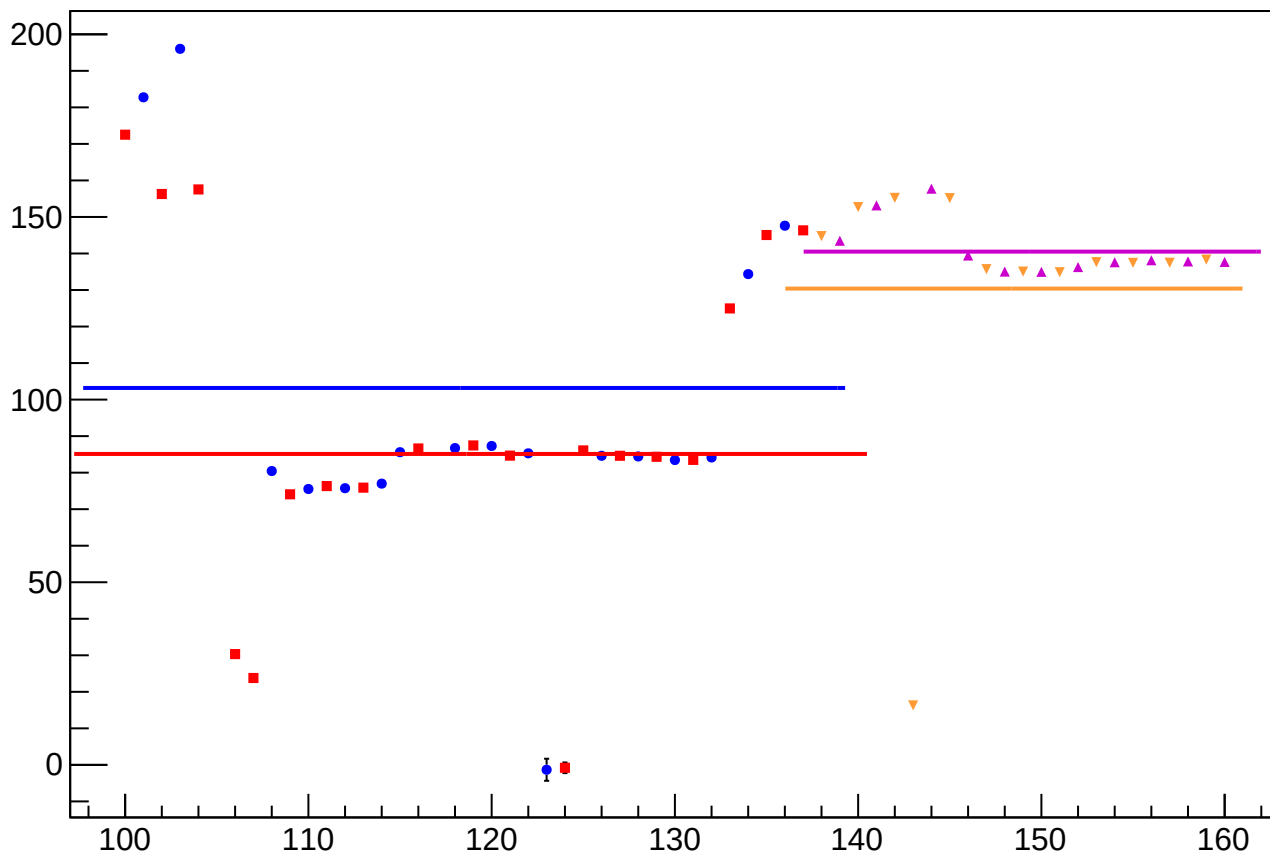
Right: -75.215 ± 0.749 χ^2/NDF : 1277.4/35

In: -77.086 ± 0.818 χ^2/NDF : 777.7/27

Out: -71.265 ± 0.802 χ^2/NDF : 1155.3/30

All: -74.118 ± 0.573 χ^2/NDF : 1958.7/58

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.188 $\pm$ 0.070 χ^2 /NDF: 273587.8/16

Left Out: 130.396 $\pm$ 0.062 χ^2 /NDF:343889.9/11

Right Out: 85.121 $\pm$ 0.064 χ^2 /NDF: 423521.4/18

Left In: 140.509 $\pm$ 0.061 χ^2 /NDF:12511.2/10

Left: 135.461 $\pm$ 0.044 χ^2 /NDF: 369898.1/22

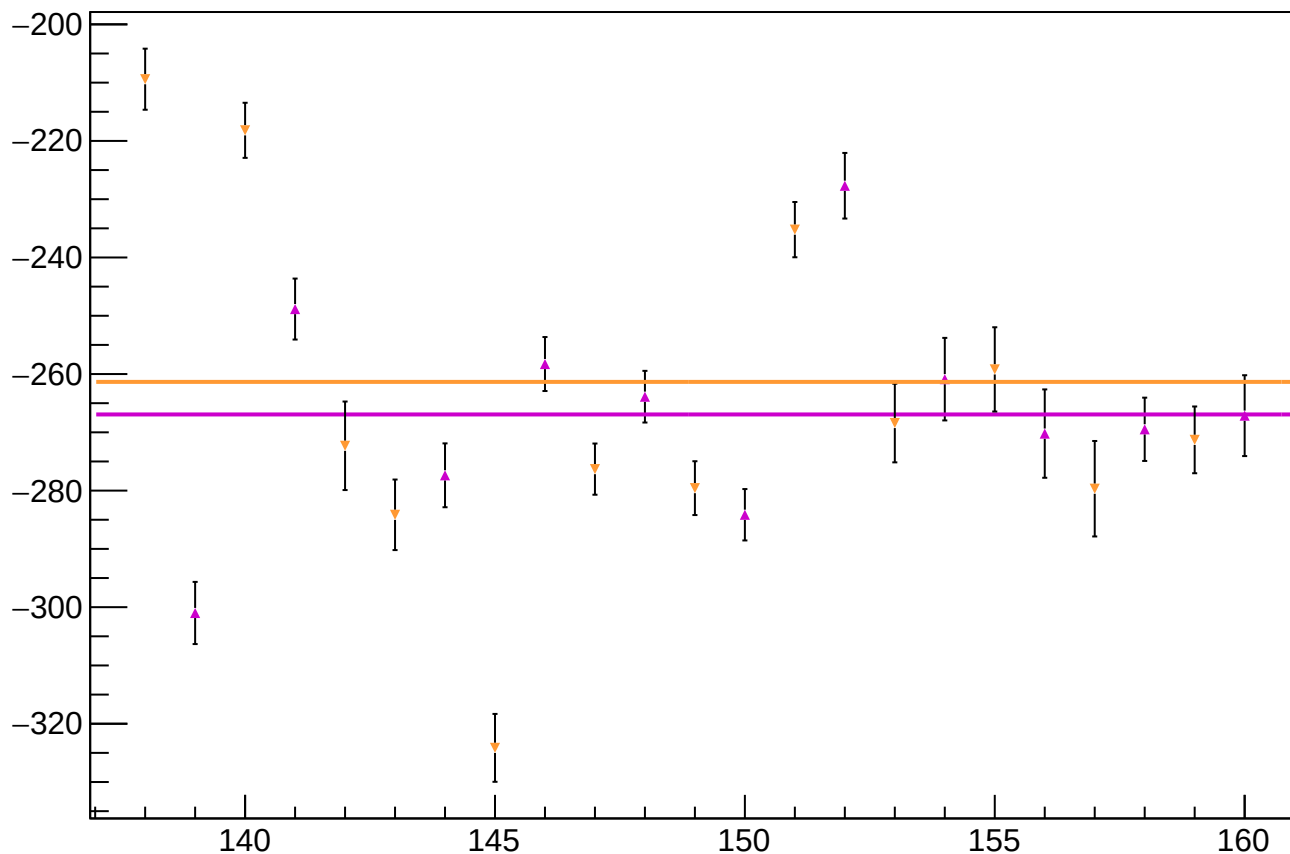
Right: 93.266 $\pm$ 0.047 χ^2 /NDF: 733347.5/35

In: 124.338 $\pm$ 0.046 χ^2 /NDF:445661.0/27

Out: 108.527 $\pm$ 0.044 χ^2 /NDF:1028357.0/30

All: 116.082 $\pm$ 0.032 χ^2 /NDF: 1534920.6/58

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -261.345+/-1.611 χ^2/NDF :381.0/11

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

Left In: -266.933+/-1.627 χ^2/NDF :125.3/10

Left: -264.111+/-1.145 χ^2/NDF : 512.3/22

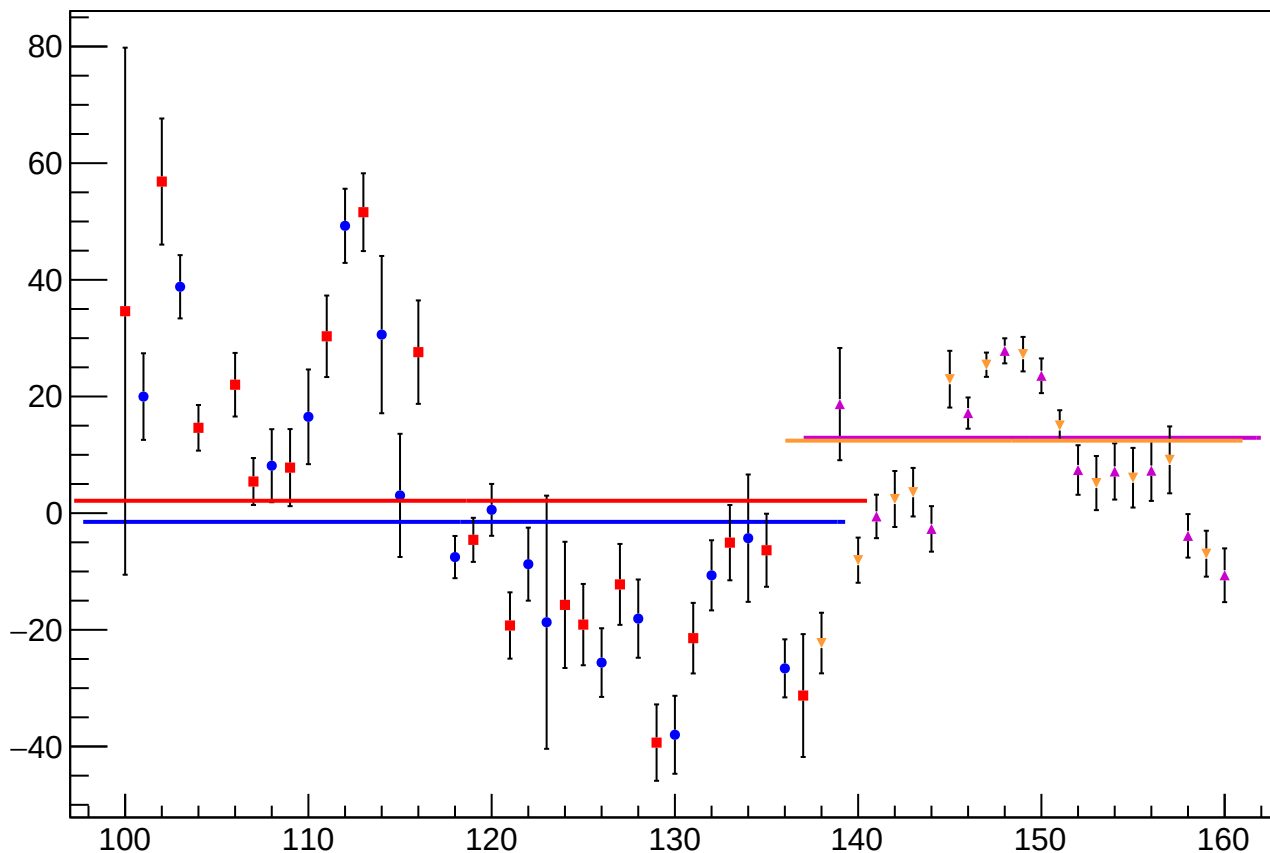
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -266.933+/-1.627 χ^2/NDF :125.3/10

Out: -261.345+/-1.611 χ^2/NDF :381.0/11

All: -264.111+/-1.145 χ^2/NDF : 512.3/22

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.492 ± 1.513 χ^2/NDF : 226.1/16

Left Out: 12.429 ± 1.043 χ^2/NDF : 180.0/11

Right Out: 2.127 ± 1.402 χ^2/NDF : 232.6/18

Left In: 12.924 ± 1.071 χ^2/NDF : 143.6/10

Left: 12.670 ± 0.747 χ^2/NDF : 323.7/22

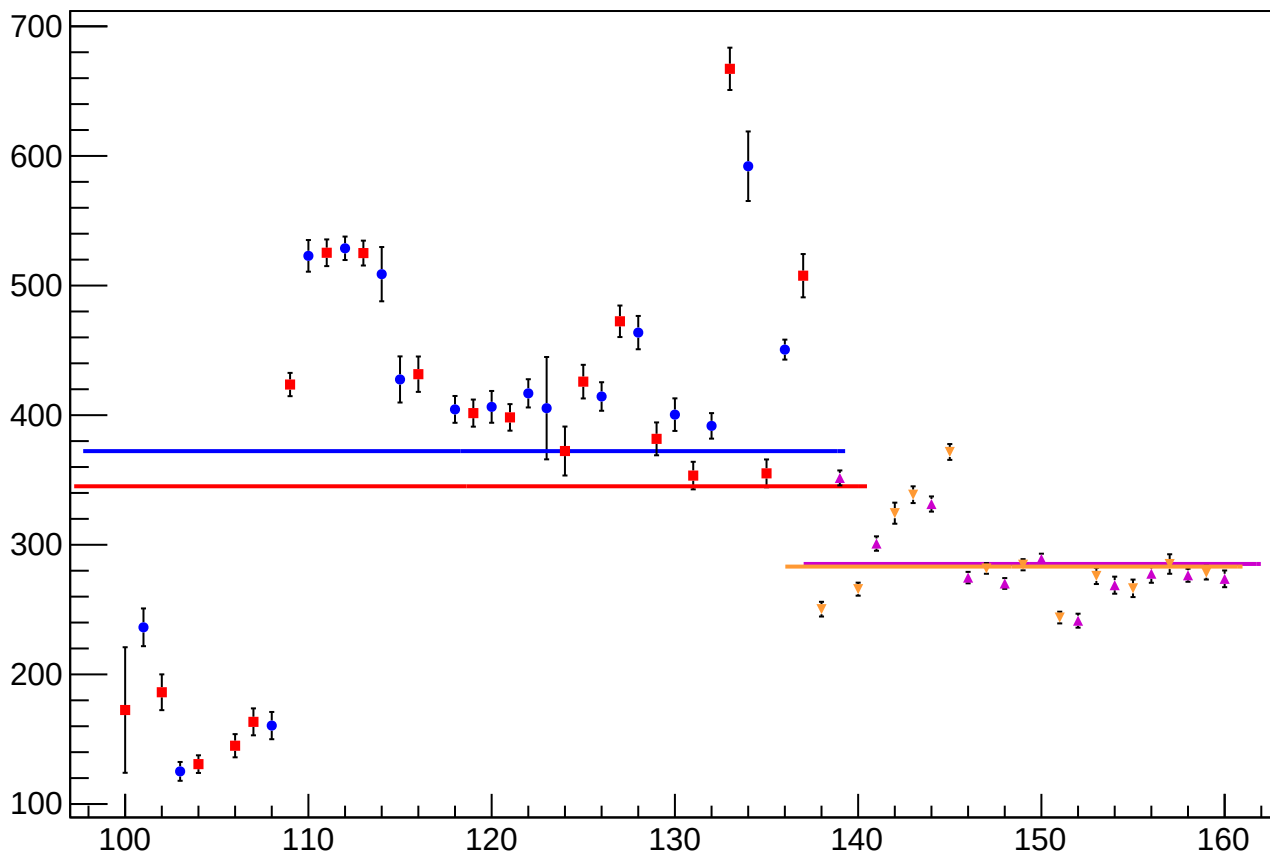
Right: 0.455 ± 1.029 χ^2/NDF : 461.8/35

In: 8.113 ± 0.874 χ^2/NDF : 430.2/27

Out: 8.758 ± 0.837 χ^2/NDF : 447.4/30

All: 8.450 ± 0.605 χ^2/NDF : 877.8/58

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 372.263 $\pm$ 2.759 χ^2 /NDF: 2433.1/16

Left Out: 283.178 $\pm$ 1.583 χ^2 /NDF:438.8/11

Right Out: 345.135 $\pm$ 2.562 χ^2 /NDF: 3416.5/18

Left In: 285.211 $\pm$ 1.579 χ^2 /NDF:301.4/10

Left: 284.197 $\pm$ 1.118 χ^2 /NDF: 741.0/22

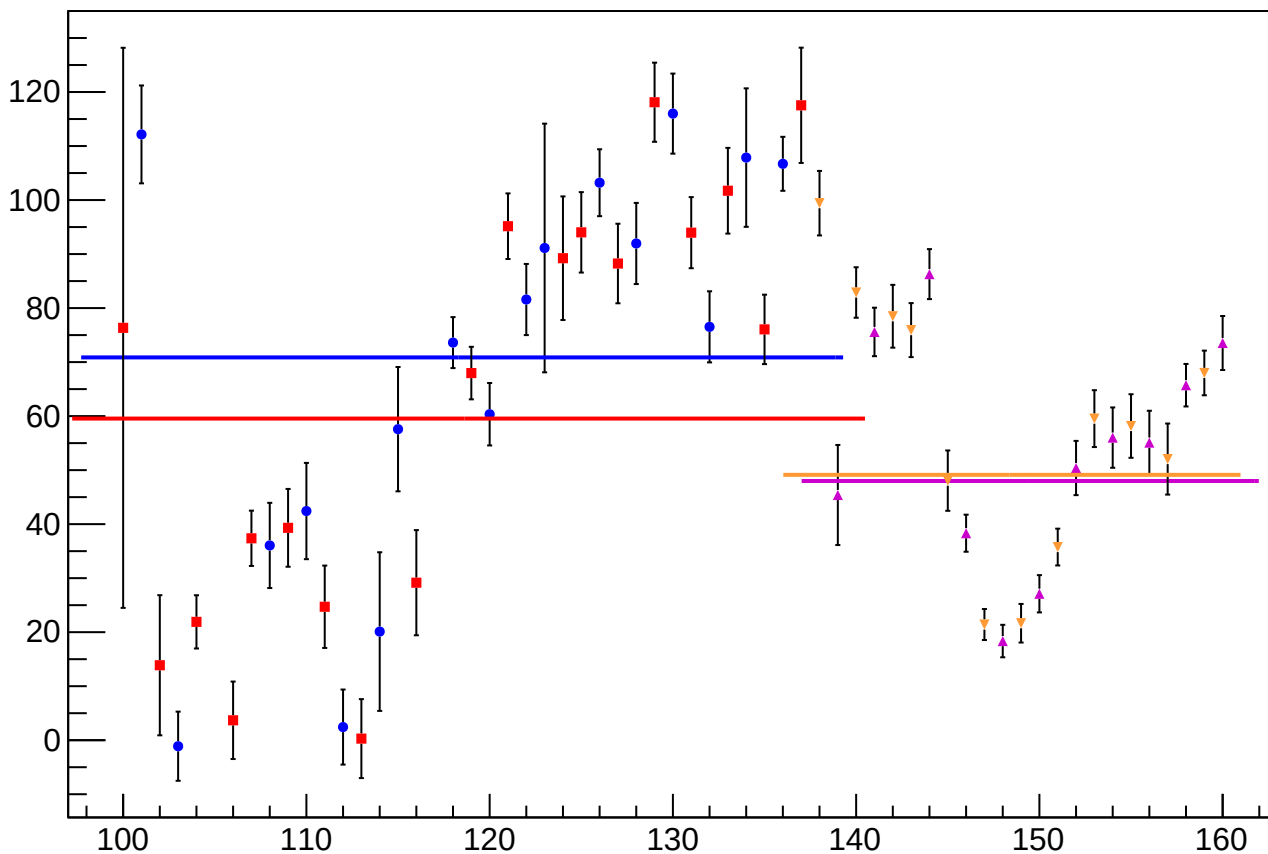
Right: 357.695 $\pm$ 1.878 χ^2 /NDF: 5901.5/35

In: 306.692 $\pm$ 1.371 χ^2 /NDF:3484.2/27

Out: 300.295 $\pm$ 1.347 χ^2 /NDF:4278.4/30

All: 303.437 $\pm$ 0.961 χ^2 /NDF: 7773.7/58

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 70.867 $\pm$ 1.743 χ^2 /NDF: 427.0/16

Left Out: 49.127 $\pm$ 1.283 χ^2 /NDF: 372.3/11

Right Out: 59.546 $\pm$ 1.633 χ^2 /NDF: 490.9/18

Left In: 47.989 $\pm$ 1.299 χ^2 /NDF: 298.2/10

Left: 48.565 $\pm$ 0.913 χ^2 /NDF: 670.9/22

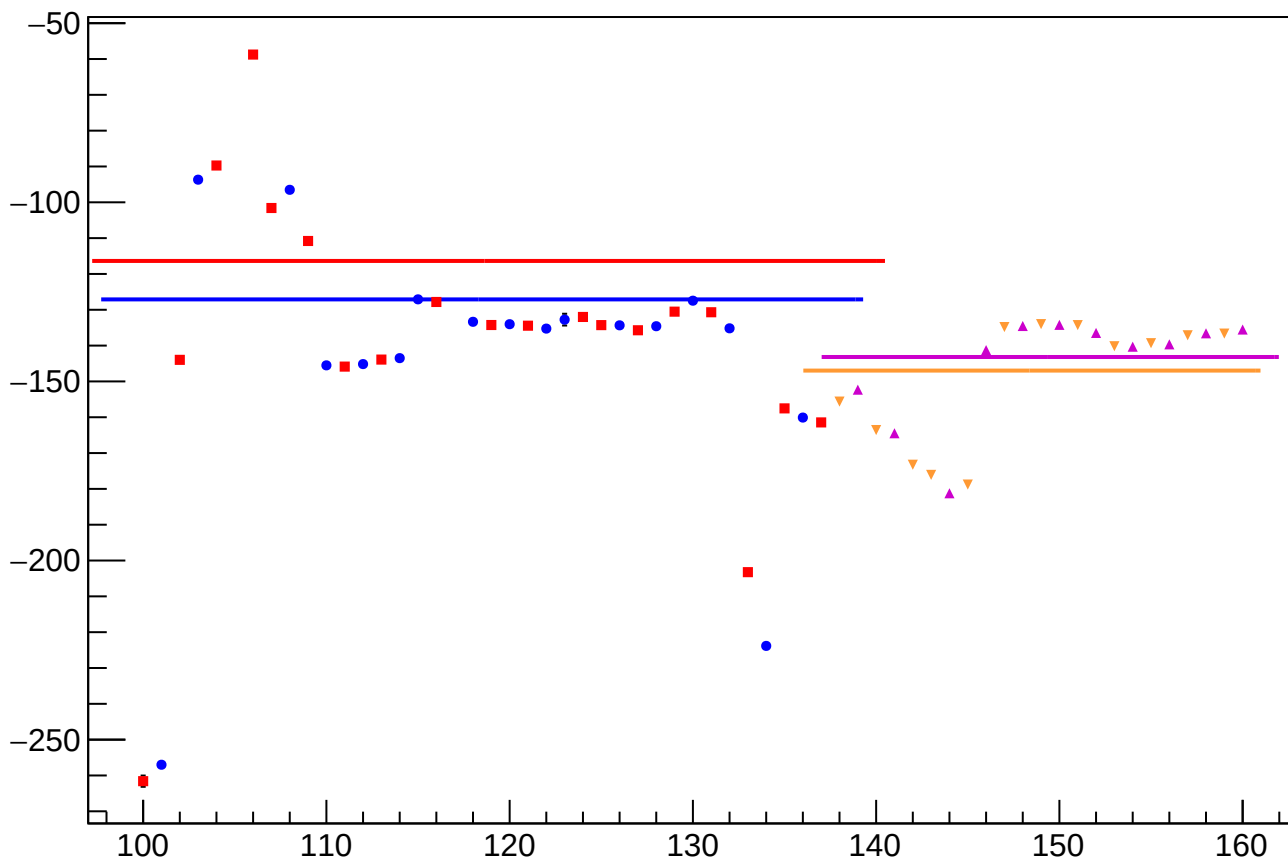
Right: 64.838 $\pm$ 1.192 χ^2 /NDF: 940.3/35

In: 56.159 $\pm$ 1.042 χ^2 /NDF: 835.9/27

Out: 53.102 $\pm$ 1.009 χ^2 /NDF: 888.4/30

All: 54.582 $\pm$ 0.725 χ^2 /NDF: 1728.7/58

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.105+/-0.089 χ^2/NDF : 167064.7/16

Left Out: -146.976+/-0.064 χ^2/NDF : 62950.3/11

Right Out: -116.369+/-0.083 χ^2/NDF : 167595.6/18

Left In: -143.181+/-0.063 χ^2/NDF : 41800.9/10

Left: -145.038+/-0.045 χ^2/NDF : 106546.0/22

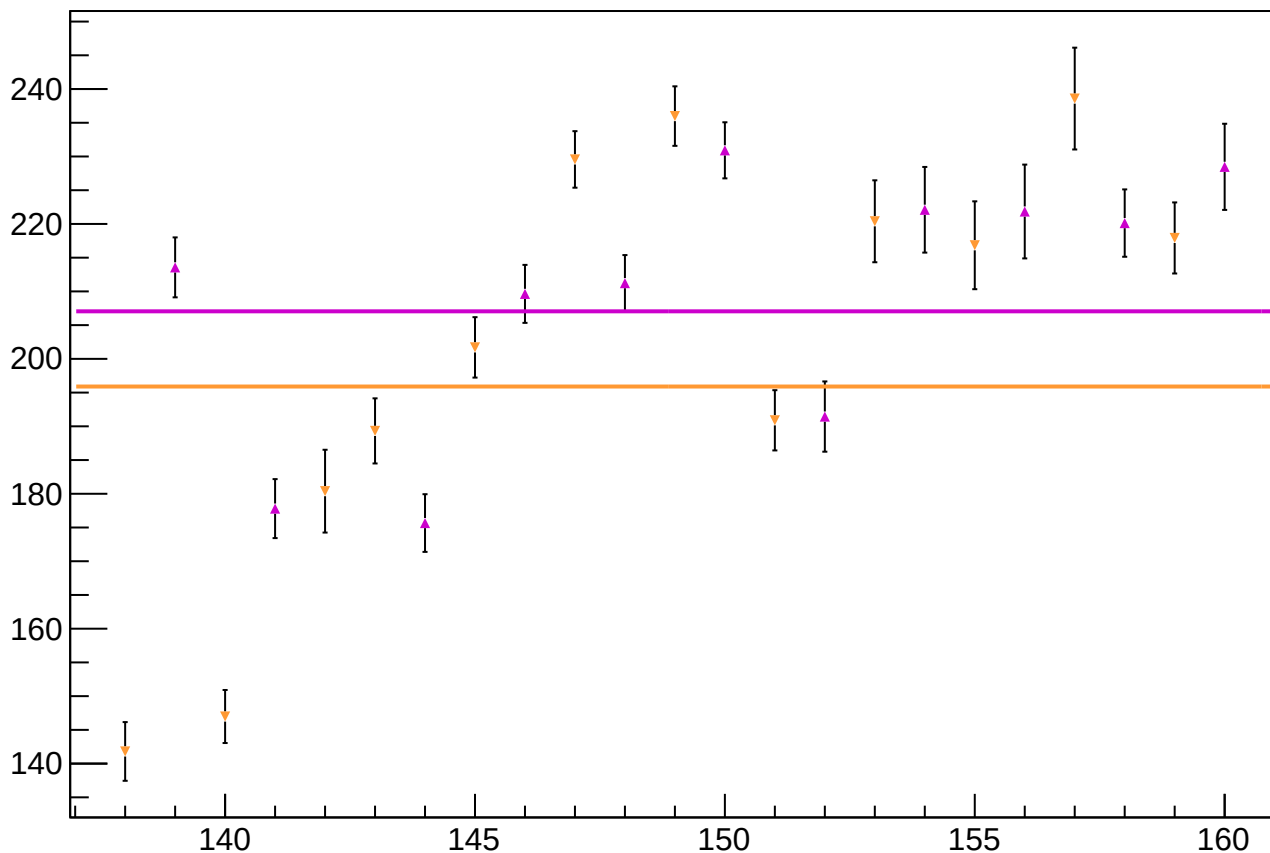
Right: -121.332+/-0.061 χ^2/NDF : 342408.2/35

In: -137.888+/-0.051 χ^2/NDF : 230539.5/27

Out: -135.548+/-0.051 χ^2/NDF : 315913.2/30

All: -136.703+/-0.036 χ^2/NDF : 547505.5/58

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 195.899+/-1.415 χ^2/NDF :543.8/11

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

Left In: 207.047+/-1.452 χ^2/NDF :172.3/10

Left: 201.329+/-1.013 χ^2/NDF : 746.4/22

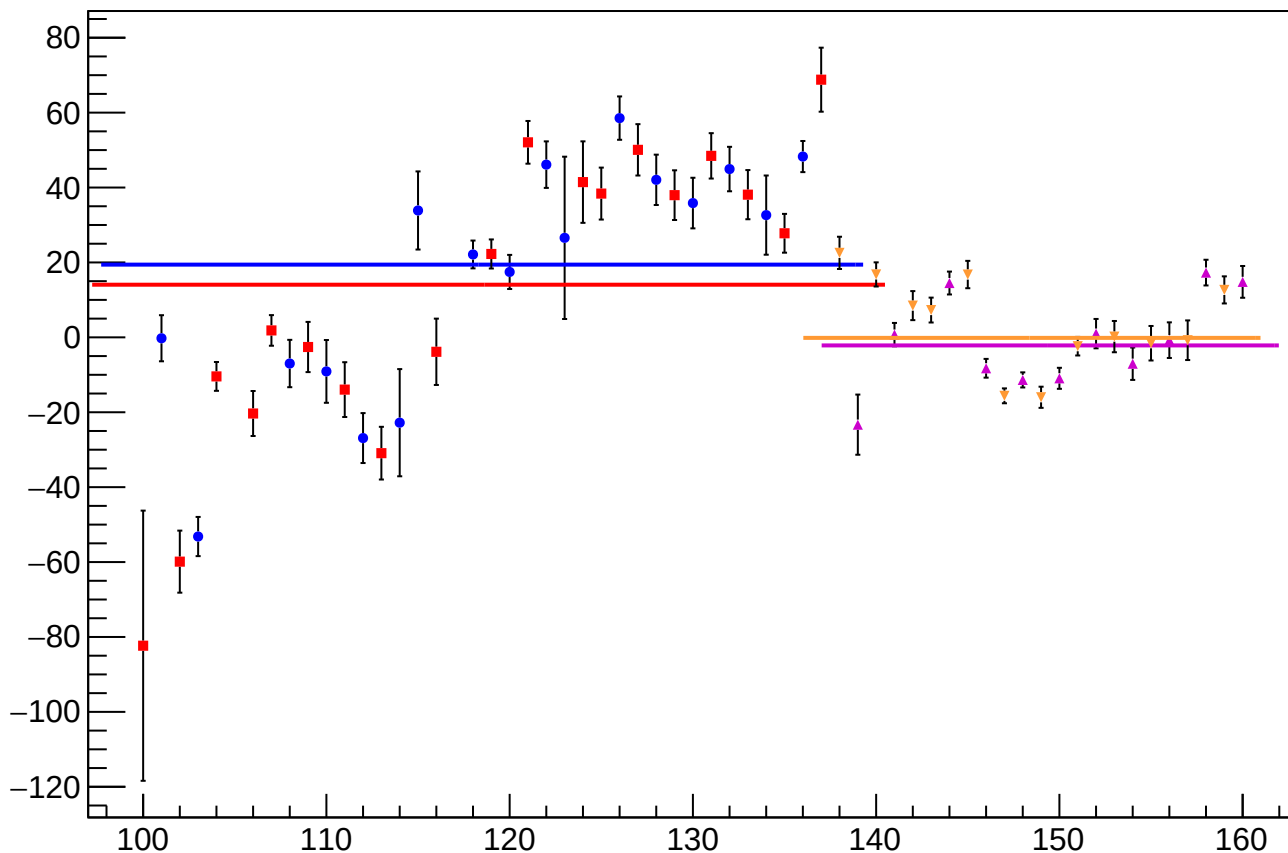
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 207.047+/-1.452 χ^2/NDF :172.3/10

Out: 195.899+/-1.415 χ^2/NDF :543.8/11

All: 201.329+/-1.013 χ^2/NDF : 746.4/22

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.416 ± 1.480 $\chi^2/\text{NDF}: 441.1/16$

Left Out: -0.141 ± 0.936 $\chi^2/\text{NDF}: 192.6/11$

Right Out: 14.055 ± 1.392 $\chi^2/\text{NDF}: 436.5/18$

Left In: -2.156 ± 0.971 $\chi^2/\text{NDF}: 124.2/10$

Left: -1.112 ± 0.674 $\chi^2/\text{NDF}: 319.0/22$

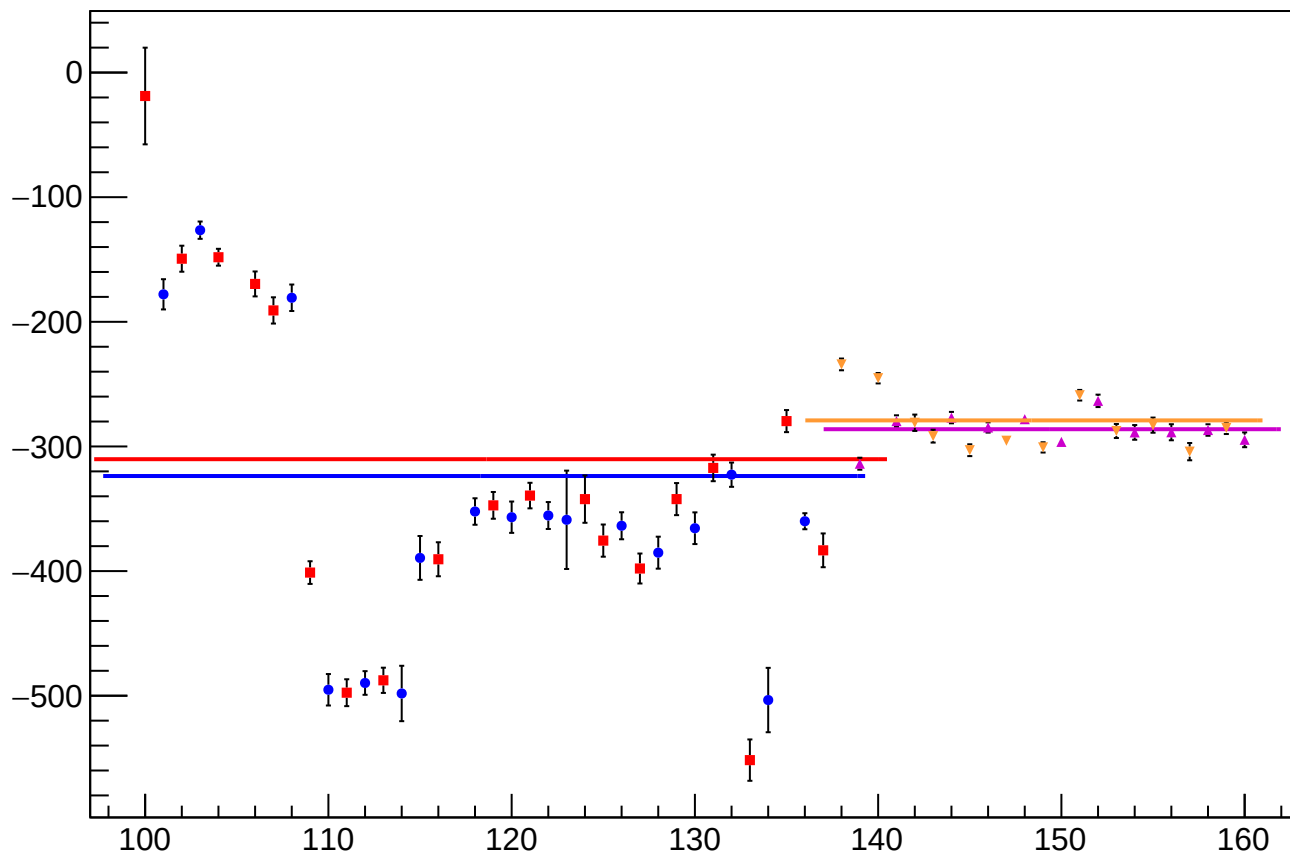
Right: 16.572 ± 1.014 $\chi^2/\text{NDF}: 884.6/35$

In: 4.334 ± 0.812 $\chi^2/\text{NDF}: 713.9/27$

Out: 4.280 ± 0.777 $\chi^2/\text{NDF}: 700.7/30$

All: 4.306 ± 0.561 $\chi^2/\text{NDF}: 1414.6/58$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.721 ± 2.668 $\chi^2/\text{NDF}: 1850.8/16$

Left Out: -279.092 ± 1.403 $\chi^2/\text{NDF}: 272.3/11$

Right Out: -310.223 ± 2.523 $\chi^2/\text{NDF}: 2300.0/18$

Left In: -286.166 ± 1.419 $\chi^2/\text{NDF}: 73.7/10$

Left: -282.591 ± 0.998 $\chi^2/\text{NDF}: 358.6/22$

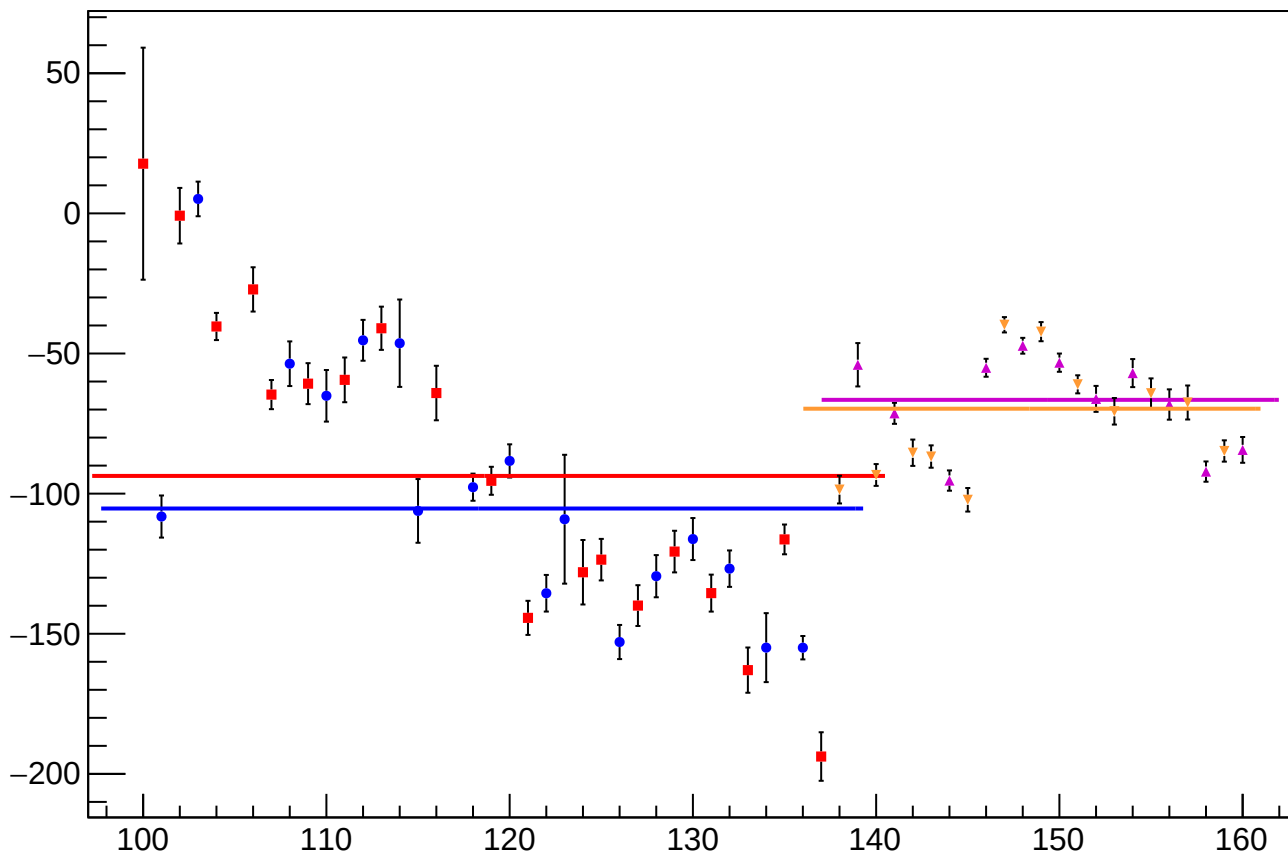
Right: -316.595 ± 1.833 $\chi^2/\text{NDF}: 4164.2/35$

In: -294.443 ± 1.253 $\chi^2/\text{NDF}: 2078.9/27$

Out: -286.448 ± 1.226 $\chi^2/\text{NDF}: 2688.6/30$

All: -290.361 ± 0.876 $\chi^2/\text{NDF}: 4788.3/58$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.309 ± 1.693 χ^2/NDF : 737.5/16

Left Out: -69.697 ± 1.144 χ^2/NDF : 369.0/11

Right Out: -93.680 ± 1.612 χ^2/NDF : 826.5/18

Left In: -66.531 ± 1.174 χ^2/NDF : 212.6/10

Left: -68.154 ± 0.819 χ^2/NDF : 585.3/22

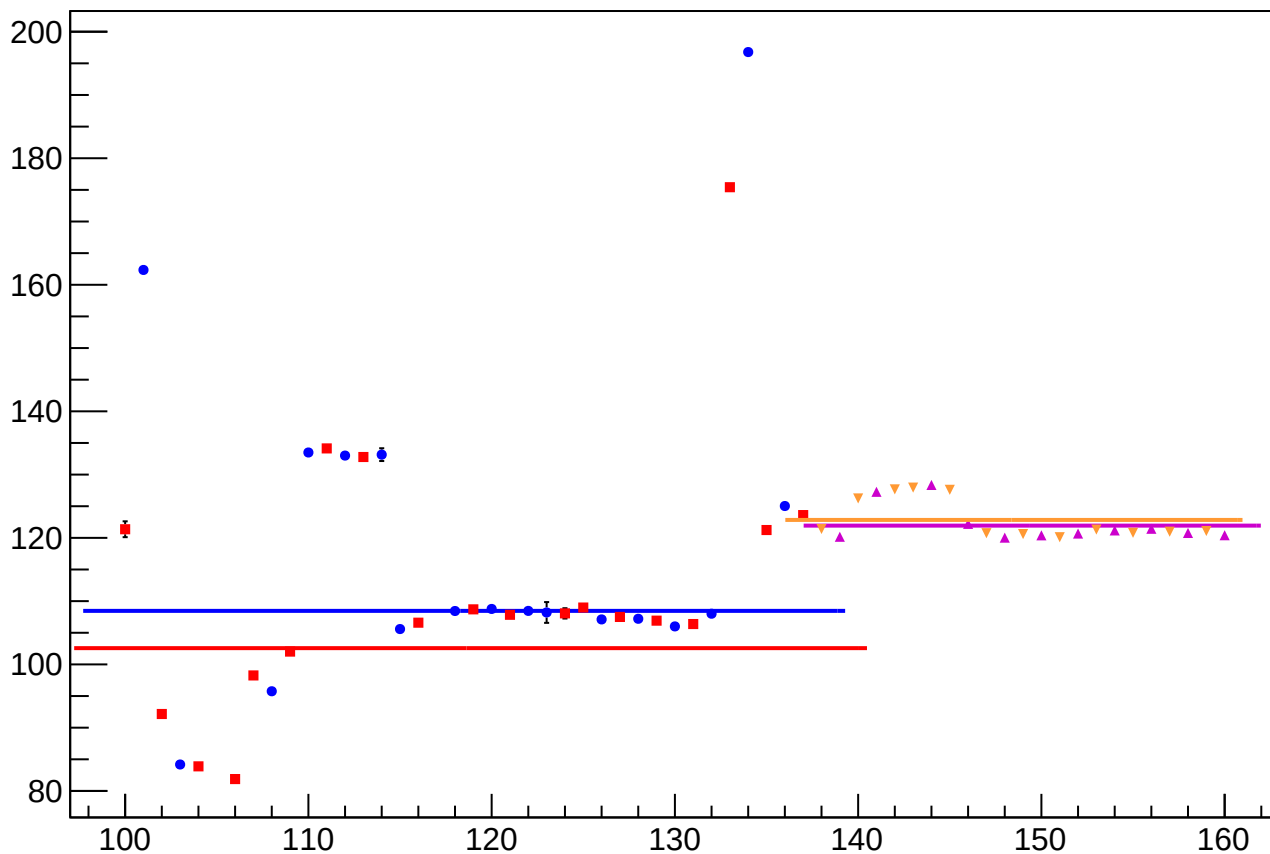
Right: -99.207 ± 1.167 χ^2/NDF : 1588.8/35

In: -79.116 ± 0.965 χ^2/NDF : 1304.3/27

Out: -77.737 ± 0.933 χ^2/NDF : 1342.7/30

All: -78.403 ± 0.671 χ^2/NDF : 2648.1/58

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.461 $\pm$ 0.085 χ^2 /NDF: 73302.1/16

Left Out: 122.835 $\pm$ 0.057 χ^2 /NDF: 2814.7/11

Right Out: 102.570 $\pm$ 0.079 χ^2 /NDF: 53143.8/18

Left In: 121.935 $\pm$ 0.056 χ^2 /NDF: 2326.1/10

Left: 122.382 $\pm$ 0.040 χ^2 /NDF: 5268.0/22

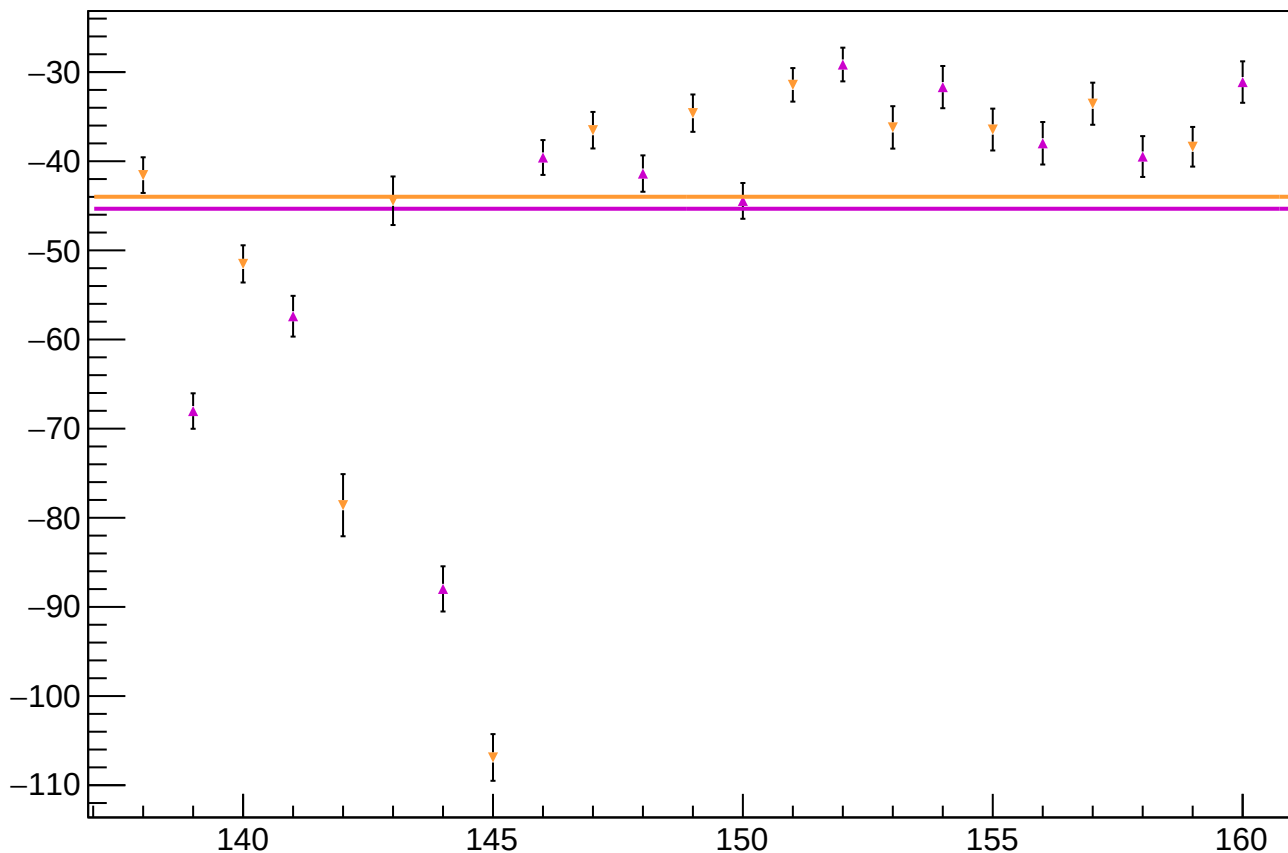
Right: 105.327 $\pm$ 0.058 χ^2 /NDF: 129018.0/35

In: 117.816 $\pm$ 0.047 χ^2 /NDF: 93192.6/27

Out: 116.019 $\pm$ 0.046 χ^2 /NDF: 99125.2/30

All: 116.903 $\pm$ 0.033 χ^2 /NDF: 193065.7/58

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



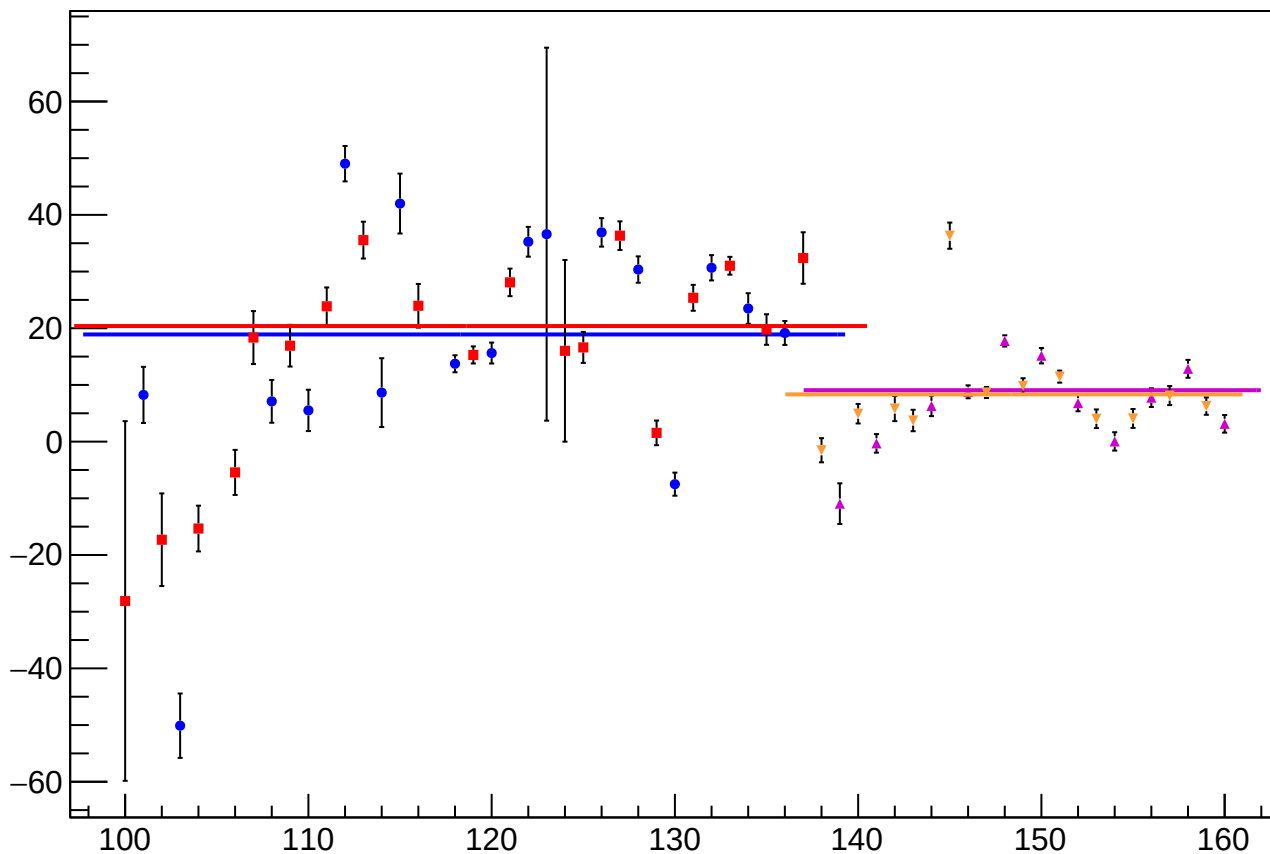
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -43.986+/-0.655 χ^2/NDF :814.6/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -45.331+/-0.651 χ^2/NDF :613.2/10

Left: -44.662+/-0.462 χ^2/NDF : 1429.8/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -45.331+/-0.651 χ^2/NDF :613.2/10
 Out: -43.986+/-0.655 χ^2/NDF :814.6/11

All: -44.662+/-0.462 χ^2/NDF : 1429.8/22

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.906 $\pm$ 0.644 χ^2 /NDF: 618.9/16

Left Out: 8.334 $\pm$ 0.437 χ^2 /NDF:204.5/11

Right Out: 20.390 $\pm$ 0.644 χ^2 /NDF: 365.3/18

Left In: 9.072 $\pm$ 0.441 χ^2 /NDF:217.6/10

Left: 8.700 $\pm$ 0.311 χ^2 /NDF: 423.5/22

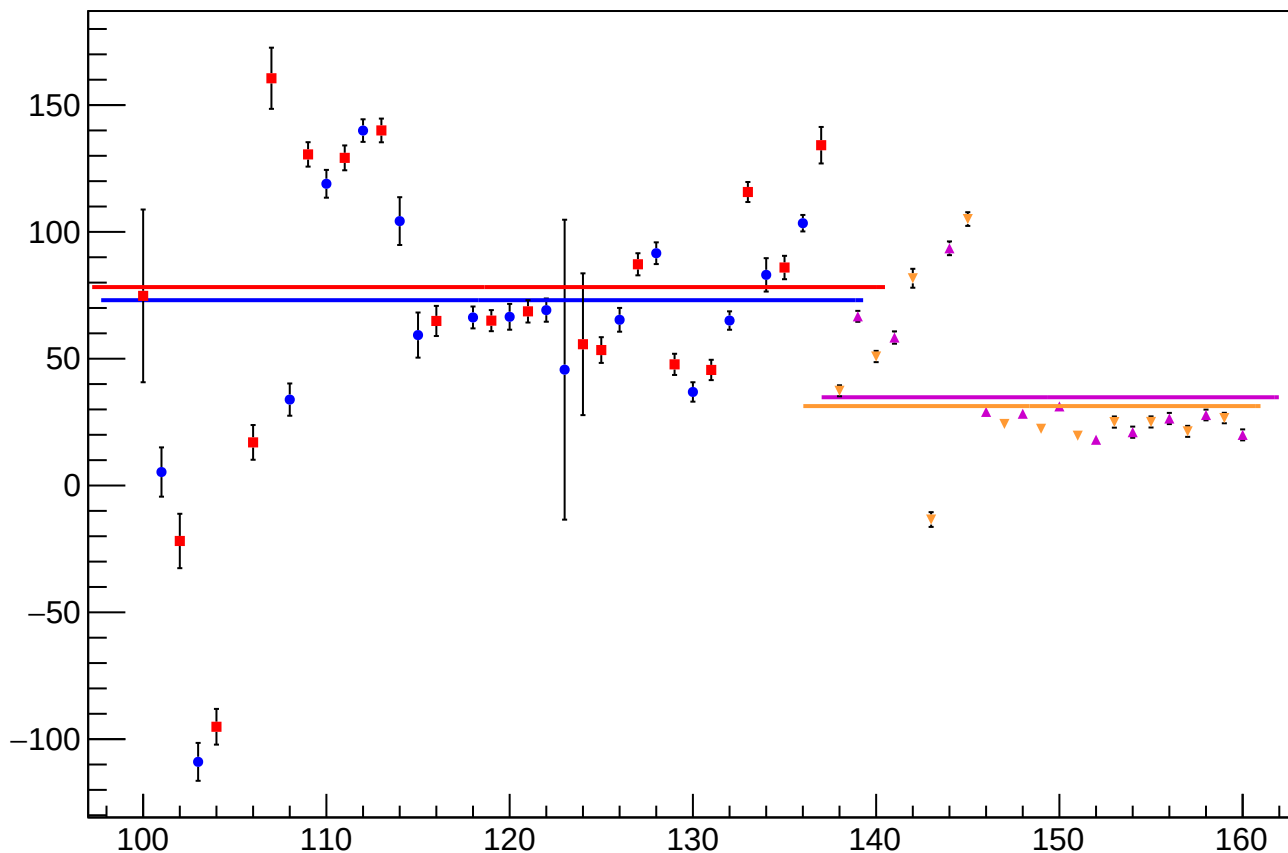
Right: 19.648 $\pm$ 0.455 χ^2 /NDF: 986.9/35

In: 12.217 $\pm$ 0.364 χ^2 /NDF:995.4/27

Out: 12.142 $\pm$ 0.362 χ^2 /NDF:809.7/30

All: 12.179 $\pm$ 0.257 χ^2 /NDF: 1805.1/58

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.071 $\pm$ 1.228 χ^2 /NDF: 1200.0/16

Left Out: 31.319 $\pm$ 0.640 χ^2 /NDF:1366.9/11

Right Out: 78.241 $\pm$ 1.223 χ^2 /NDF: 1542.7/18

Left In: 34.802 $\pm$ 0.630 χ^2 /NDF:1004.0/10

Left: 33.087 $\pm$ 0.449 χ^2 /NDF: 2385.9/22

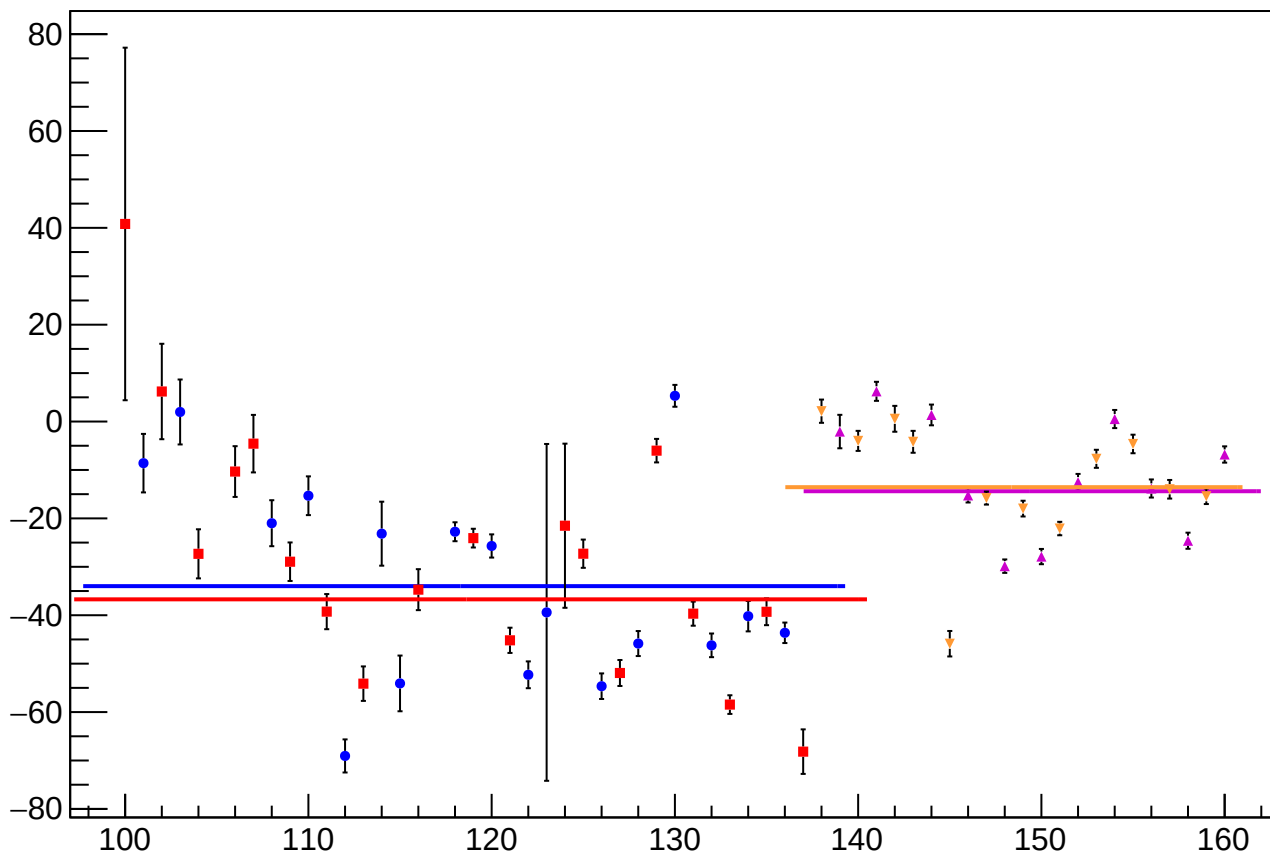
Right: 75.667 $\pm$ 0.866 χ^2 /NDF: 2751.5/35

In: 42.785 $\pm$ 0.561 χ^2 /NDF:2972.8/27

Out: 41.410 $\pm$ 0.567 χ^2 /NDF:4065.8/30

All: 42.105 $\pm$ 0.399 χ^2 /NDF: 7041.6/58

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.991 ± 0.736 χ^2/NDF : 719.8/16

Left Out: -13.554 ± 0.530 χ^2/NDF : 341.3/11

Right Out: -36.719 ± 0.737 χ^2/NDF : 542.9/18

Left In: -14.392 ± 0.528 χ^2/NDF : 497.7/10

Left: -13.975 ± 0.374 χ^2/NDF : 840.3/22

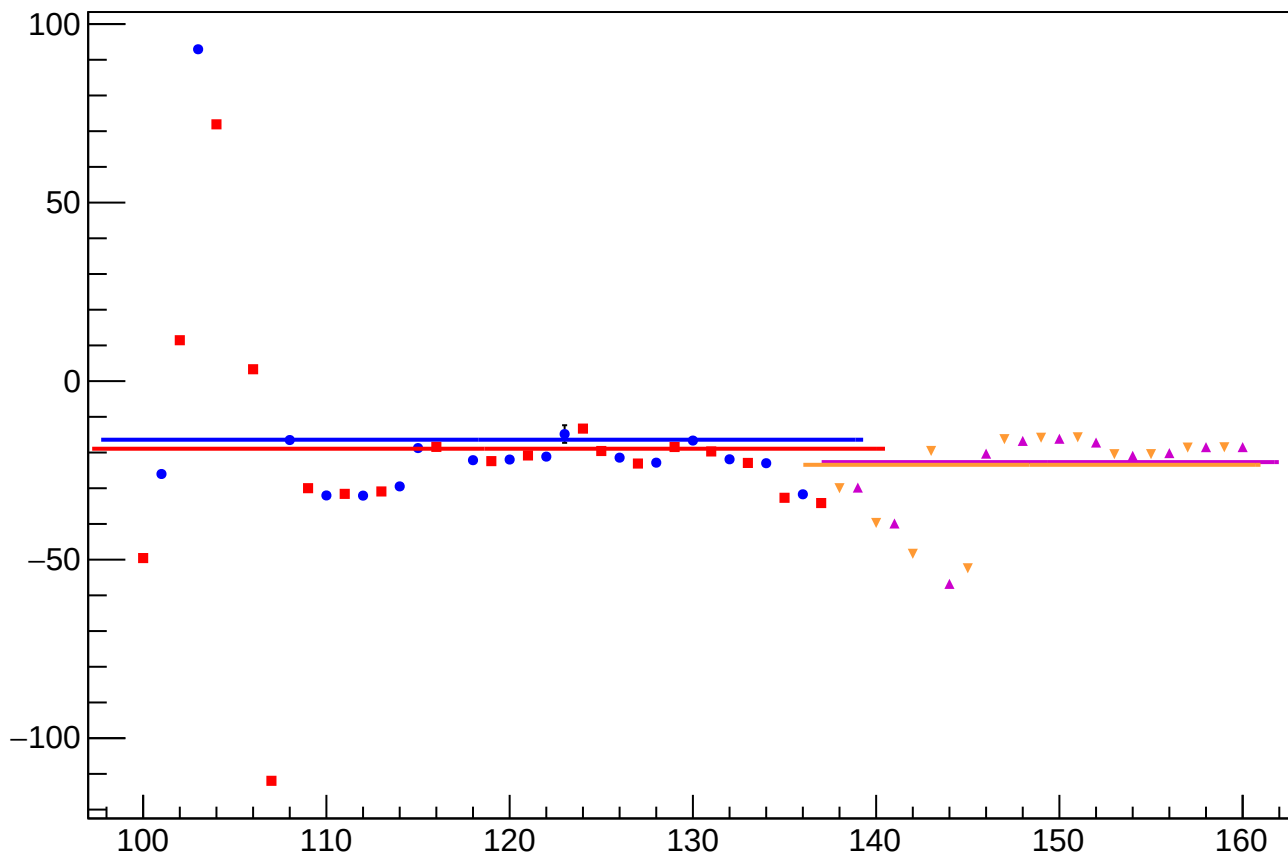
Right: -35.354 ± 0.521 χ^2/NDF : 1269.6/35

In: -21.049 ± 0.429 χ^2/NDF : 1685.5/27

Out: -21.457 ± 0.430 χ^2/NDF : 1535.5/30

All: -21.252 ± 0.304 χ^2/NDF : 3221.4/58

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.408 ± 0.044 $\chi^2/\text{NDF}: 474368.4/16$

Left Out: -23.436 ± 0.025 $\chi^2/\text{NDF}: 172217.9/11$

Right Out: -18.934 ± 0.045 $\chi^2/\text{NDF}: 434152.2/18$

Left In: -22.680 ± 0.024 $\chi^2/\text{NDF}: 147790.0/10$

Left: -23.048 ± 0.018 $\chi^2/\text{NDF}: 320472.5/22$

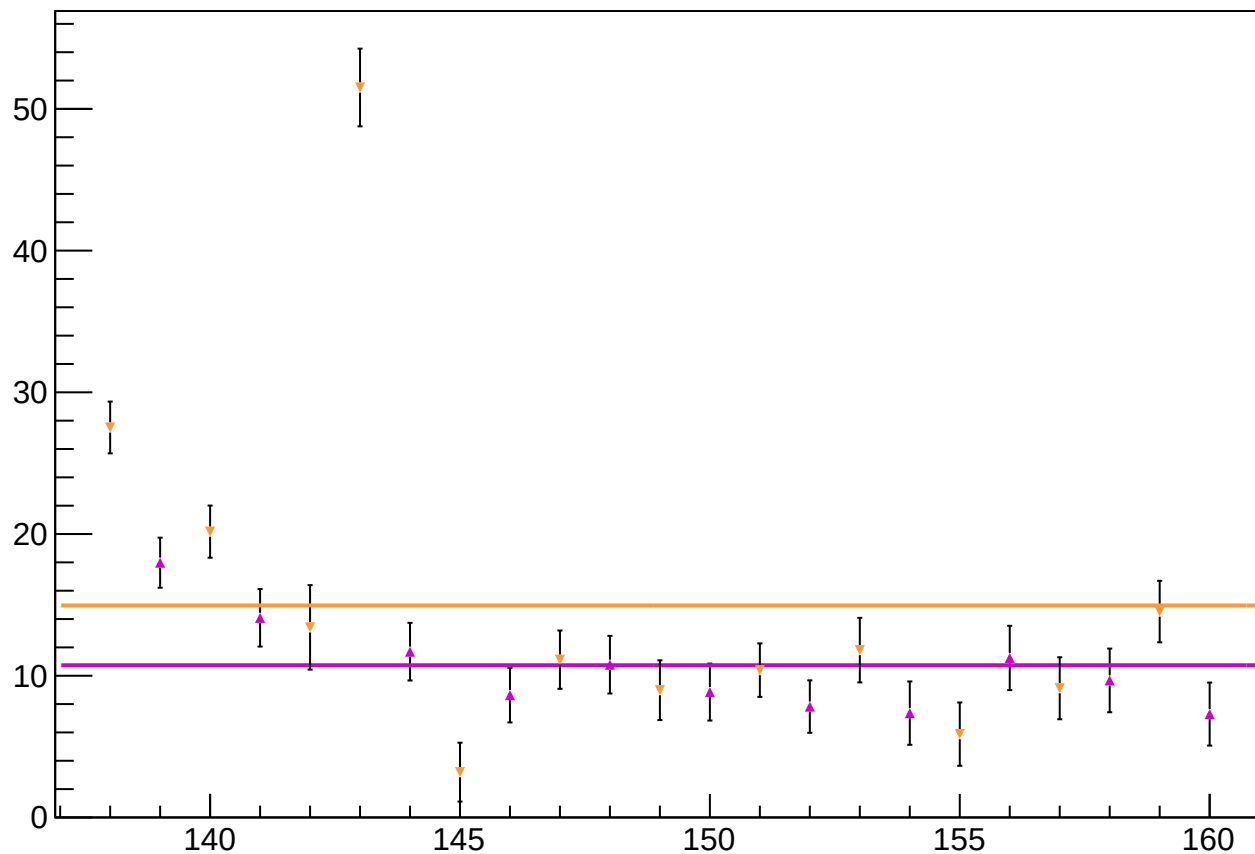
Right: -17.648 ± 0.032 $\chi^2/\text{NDF}: 910108.0/35$

In: -21.218 ± 0.021 $\chi^2/\text{NDF}: 637446.4/27$

Out: -22.375 ± 0.022 $\chi^2/\text{NDF}: 613938.5/30$

All: -21.783 ± 0.015 $\chi^2/\text{NDF}: 1252805.6/58$

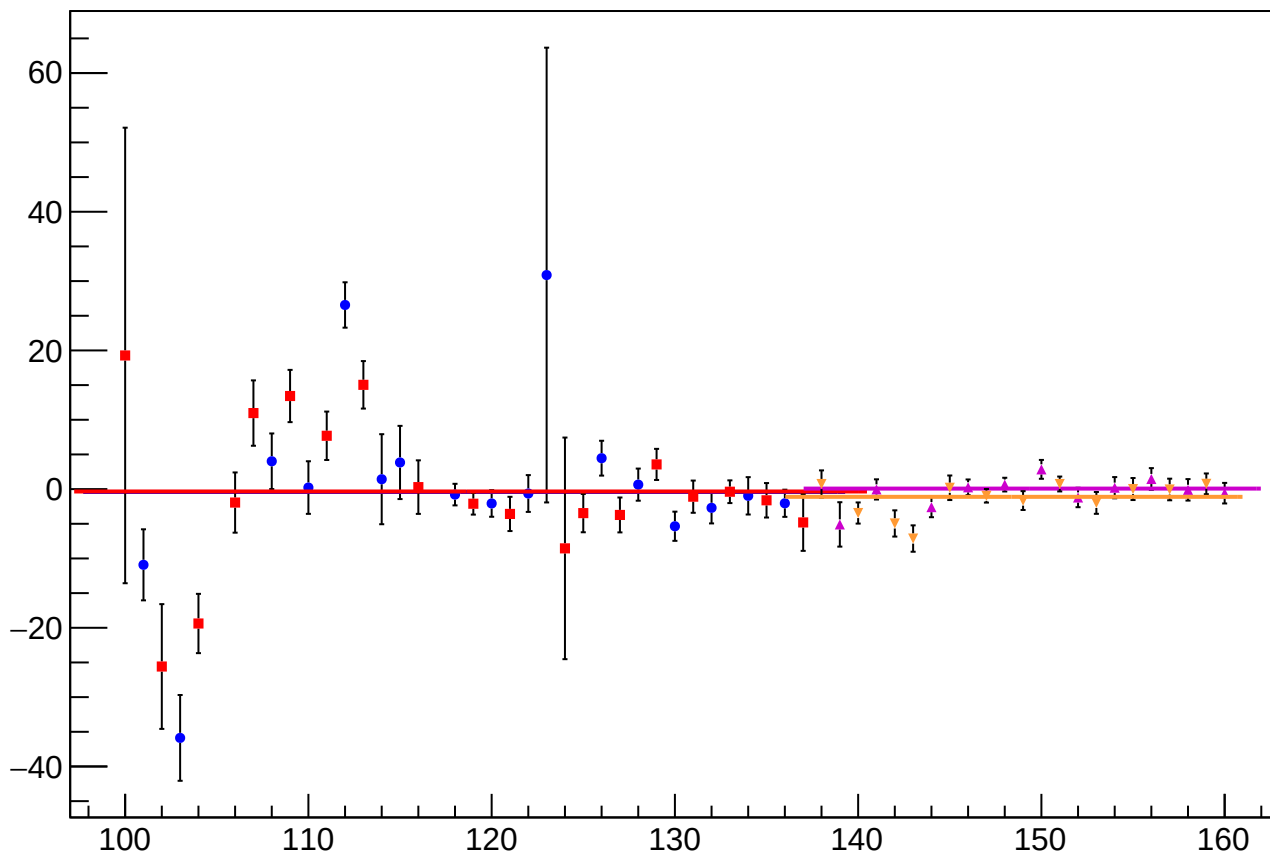
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 14.959+/-0.617 χ^2/NDF :308.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.740+/-0.614 χ^2/NDF :29.3/10

Left: 12.840+/-0.435 χ^2/NDF : 361.0/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 10.740+/-0.614 χ^2/NDF :29.3/10
 Out: 14.959+/-0.617 χ^2/NDF :308.3/11
 All: 12.840+/-0.435 χ^2/NDF : 361.0/22

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.414 ± 0.653 χ^2/NDF : 119.9/16

Left Out: -1.114 ± 0.419 χ^2/NDF : 23.9/11

Right Out: -0.342 ± 0.658 χ^2/NDF : 83.7/18

Left In: 0.075 ± 0.423 χ^2/NDF : 12.3/10

Left: -0.524 ± 0.298 χ^2/NDF : 40.2/22

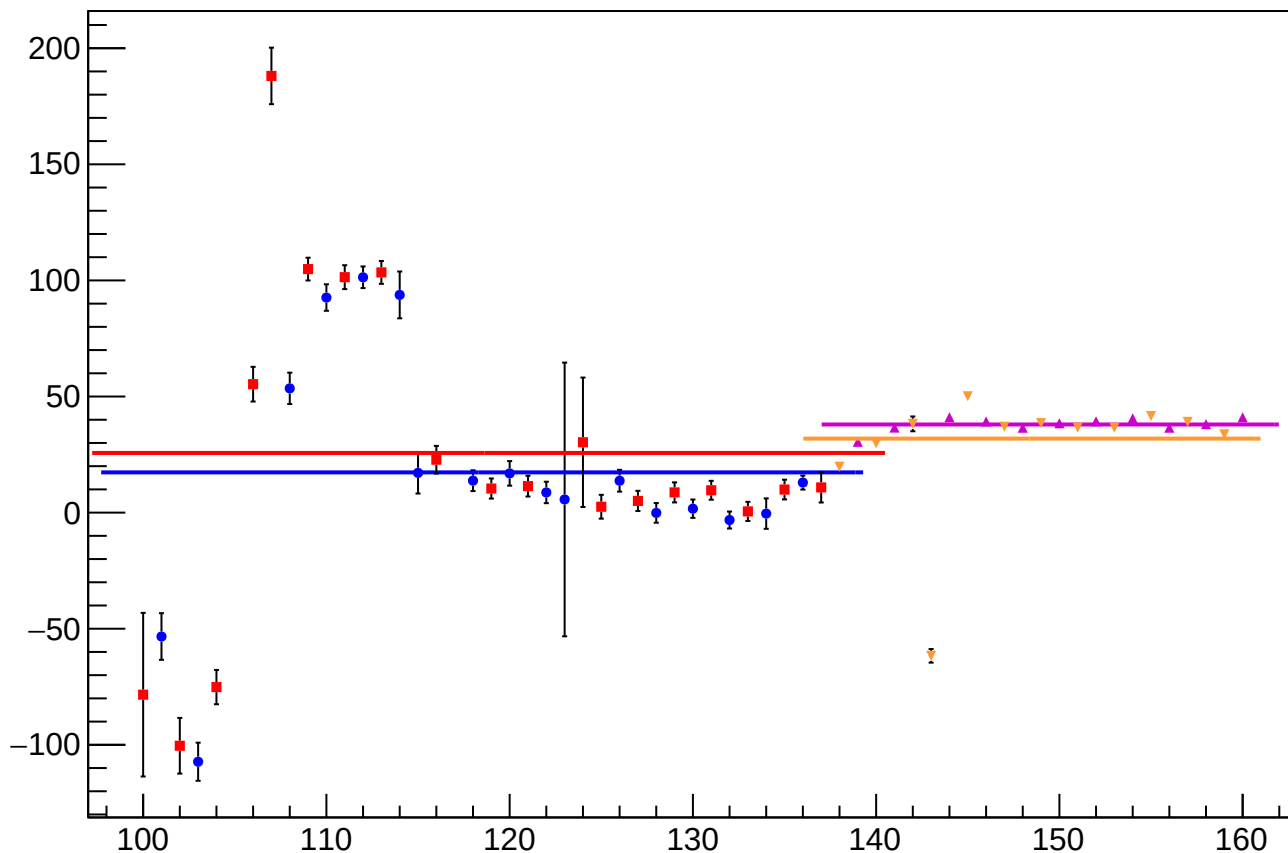
Right: -0.378 ± 0.463 χ^2/NDF : 203.7/35

In: -0.069 ± 0.355 χ^2/NDF : 132.7/27

Out: -0.891 ± 0.354 χ^2/NDF : 108.6/30

All: -0.481 ± 0.250 χ^2/NDF : 243.9/58

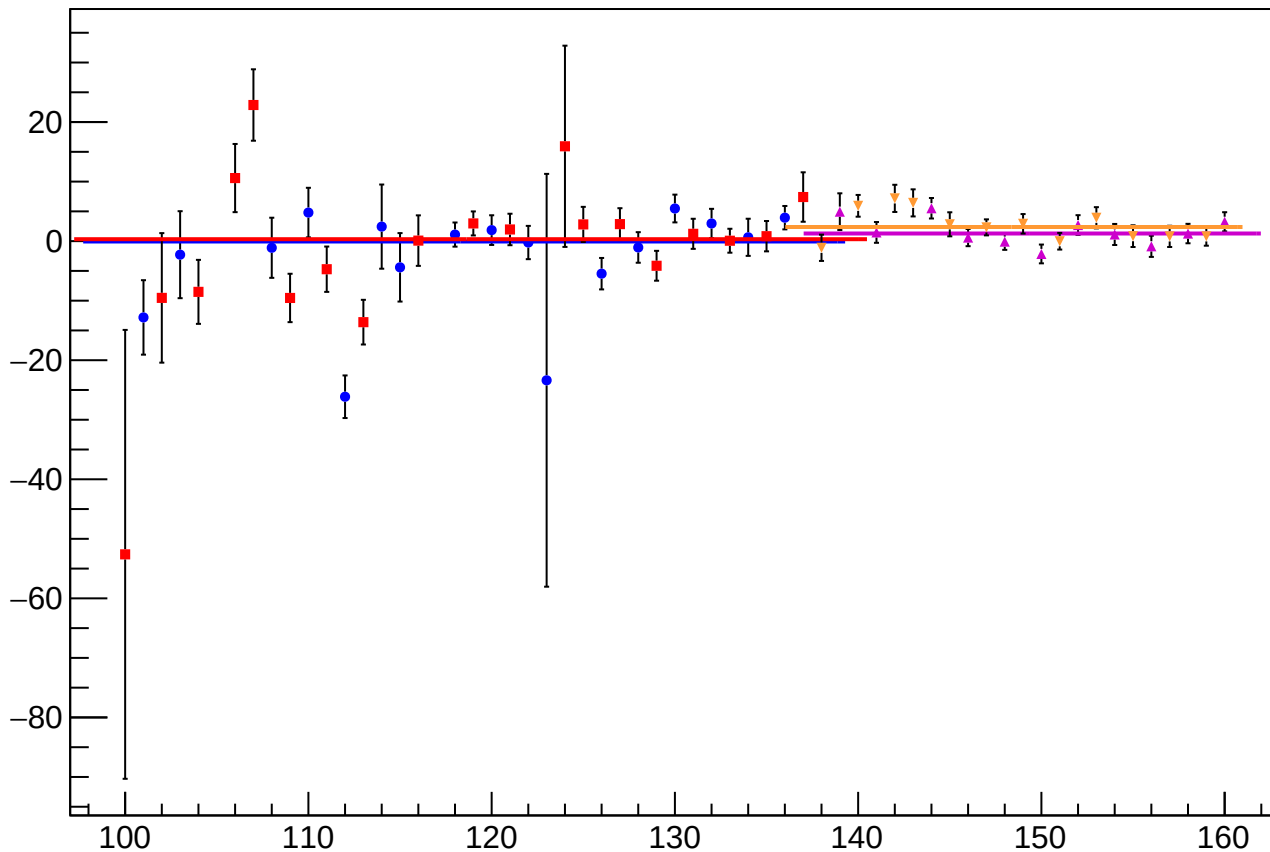
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.328 ± 1.239 $\chi^2/\text{NDF}: 943.2/16$
 Left Out: 31.872 ± 0.606 $\chi^2/\text{NDF}: 1200.0/11$
 Right Out: 25.701 ± 1.243 $\chi^2/\text{NDF}: 1379.1/18$
 Left In: 37.956 ± 0.598 $\chi^2/\text{NDF}: 23.7/10$

Left: 34.955 ± 0.426 $\chi^2/\text{NDF}: 1274.7/22$
 Right: 21.501 ± 0.877 $\chi^2/\text{NDF}: 2345.0/35$
 In: 34.056 ± 0.539 $\chi^2/\text{NDF}: 1191.7/27$
 Out: 30.686 ± 0.545 $\chi^2/\text{NDF}: 2599.0/30$
 All: 32.390 ± 0.383 $\chi^2/\text{NDF}: 3810.0/58$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.744 χ^2/NDF : 76.5/16

Left Out: 2.375 ± 0.506 χ^2/NDF : 20.2/11

Right Out: 0.326 ± 0.749 χ^2/NDF : 55.1/18

Left In: 1.283 ± 0.504 χ^2/NDF : 17.1/10

Left: 1.827 ± 0.357 χ^2/NDF : 39.7/22

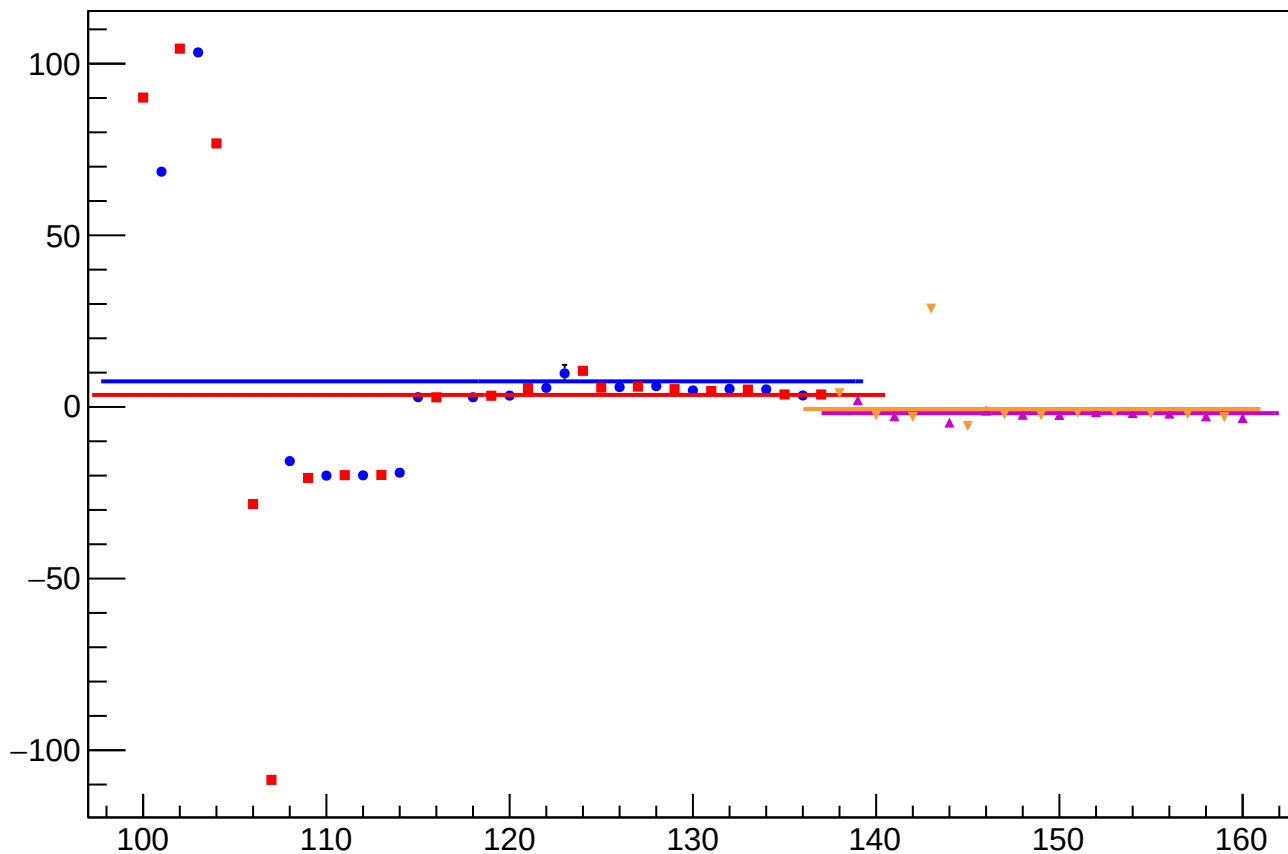
Right: 0.132 ± 0.528 χ^2/NDF : 131.8/35

In: 0.860 ± 0.417 χ^2/NDF : 95.9/27

Out: 1.733 ± 0.419 χ^2/NDF : 80.5/30

All: 1.294 ± 0.296 χ^2/NDF : 178.6/58

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.454+/-0.044 χ^2/NDF : 356053.3/16

Left Out: -0.605+/-0.024 χ^2/NDF : 73108.6/11

Right Out: 3.502+/-0.046 χ^2/NDF : 510579.7/18

Left In: -1.807+/-0.023 χ^2/NDF : 4801.1/10

Left: -1.218+/-0.017 χ^2/NDF : 79223.0/22

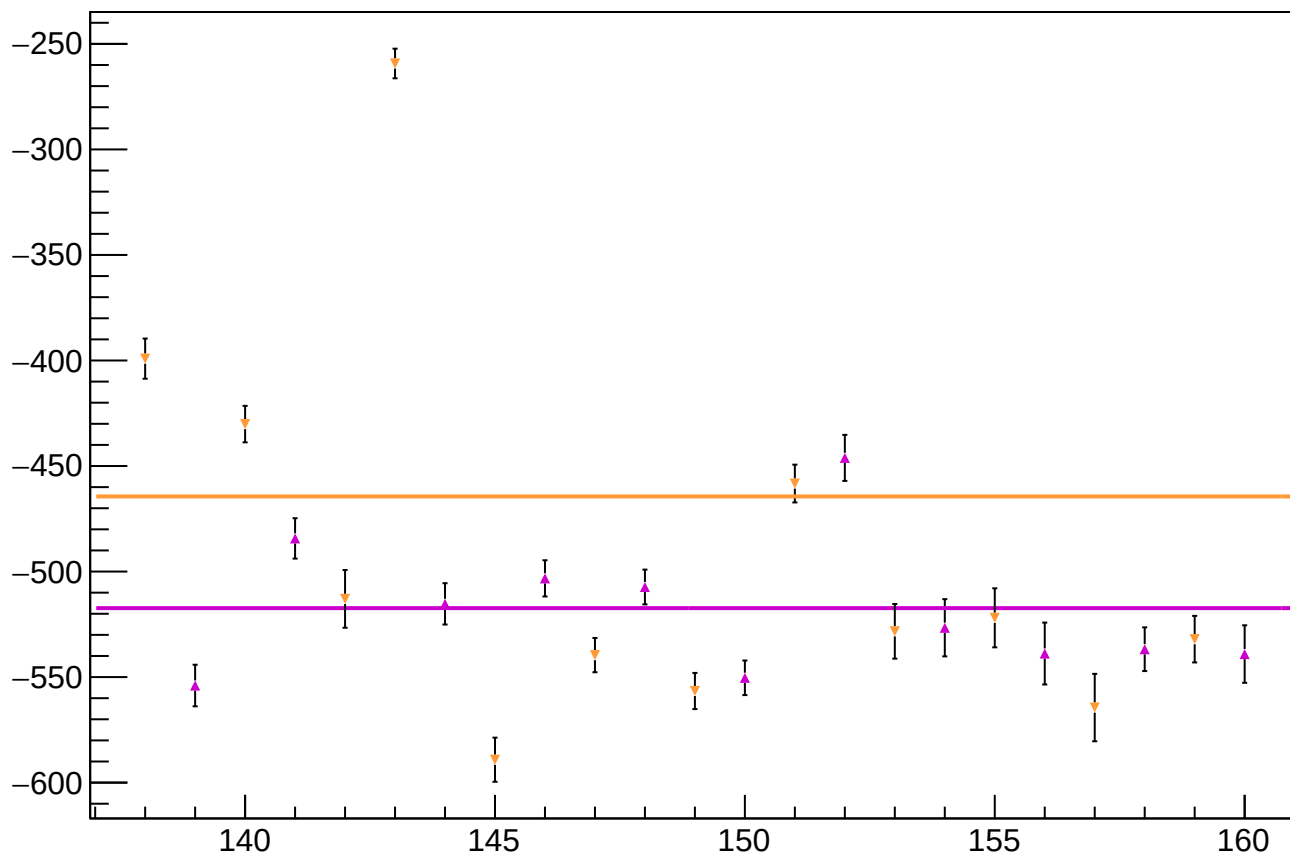
Right: 5.528+/-0.032 χ^2/NDF : 870492.1/35

In: 0.178+/-0.021 χ^2/NDF : 395002.3/27

Out: 0.270+/-0.021 χ^2/NDF : 590086.6/30

All: 0.223+/-0.015 χ^2/NDF : 985098.7/58

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -464.414+/-2.843 χ^2/NDF :1392.2/11

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

Left In: -517.328+/-3.041 χ^2/NDF :97.5/10

Left: -489.086+/-2.077 χ^2/NDF : 1651.3/22

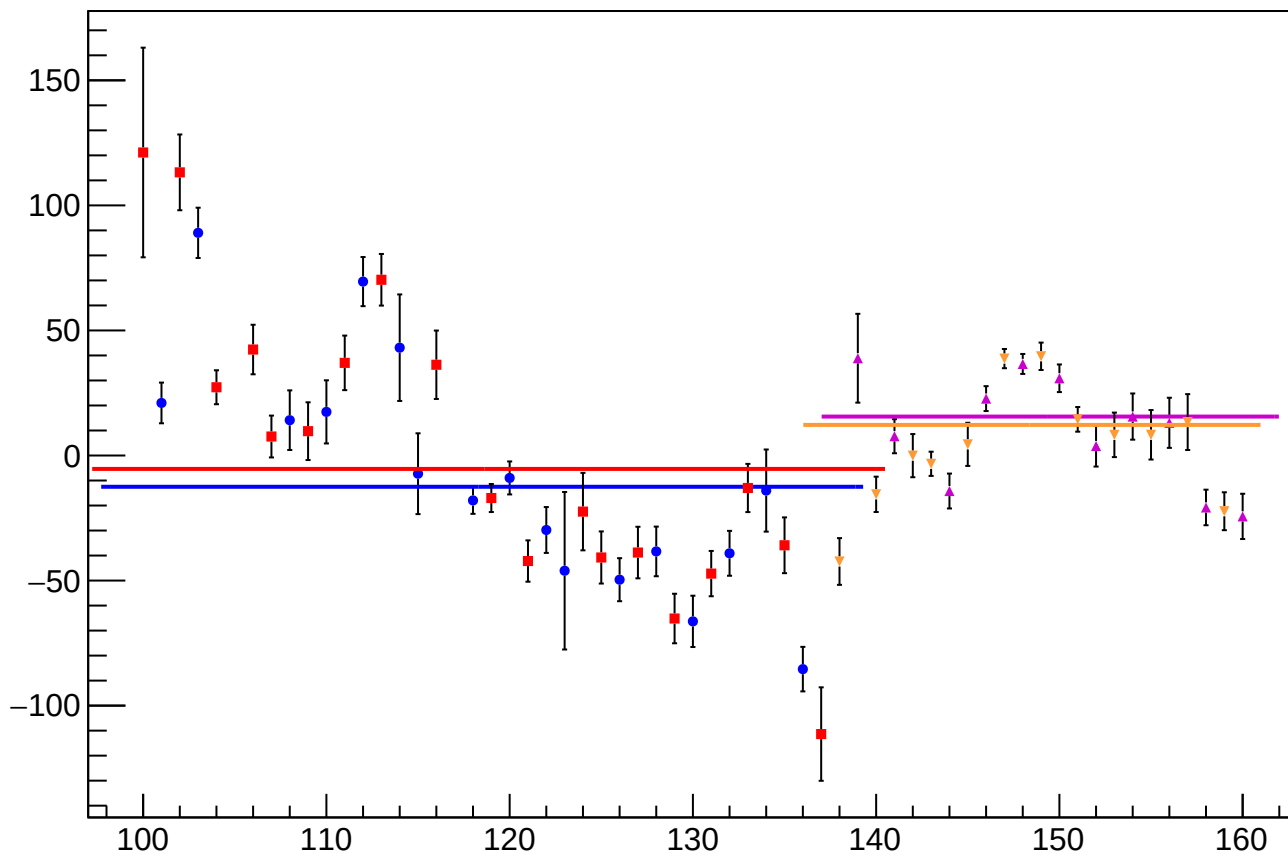
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -517.328+/-3.041 χ^2/NDF :97.5/10

Out: -464.414+/-2.843 χ^2/NDF :1392.2/11

All: -489.086+/-2.077 χ^2/NDF : 1651.3/22

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.500 ± 2.311 χ^2/NDF : 341.1/16

Left Out: 12.237 ± 1.852 χ^2/NDF : 156.7/11

Right Out: -5.363 ± 2.264 χ^2/NDF : 344.6/18

Left In: 15.567 ± 2.001 χ^2/NDF : 106.5/10

Left: 13.774 ± 1.359 χ^2/NDF : 264.7/22

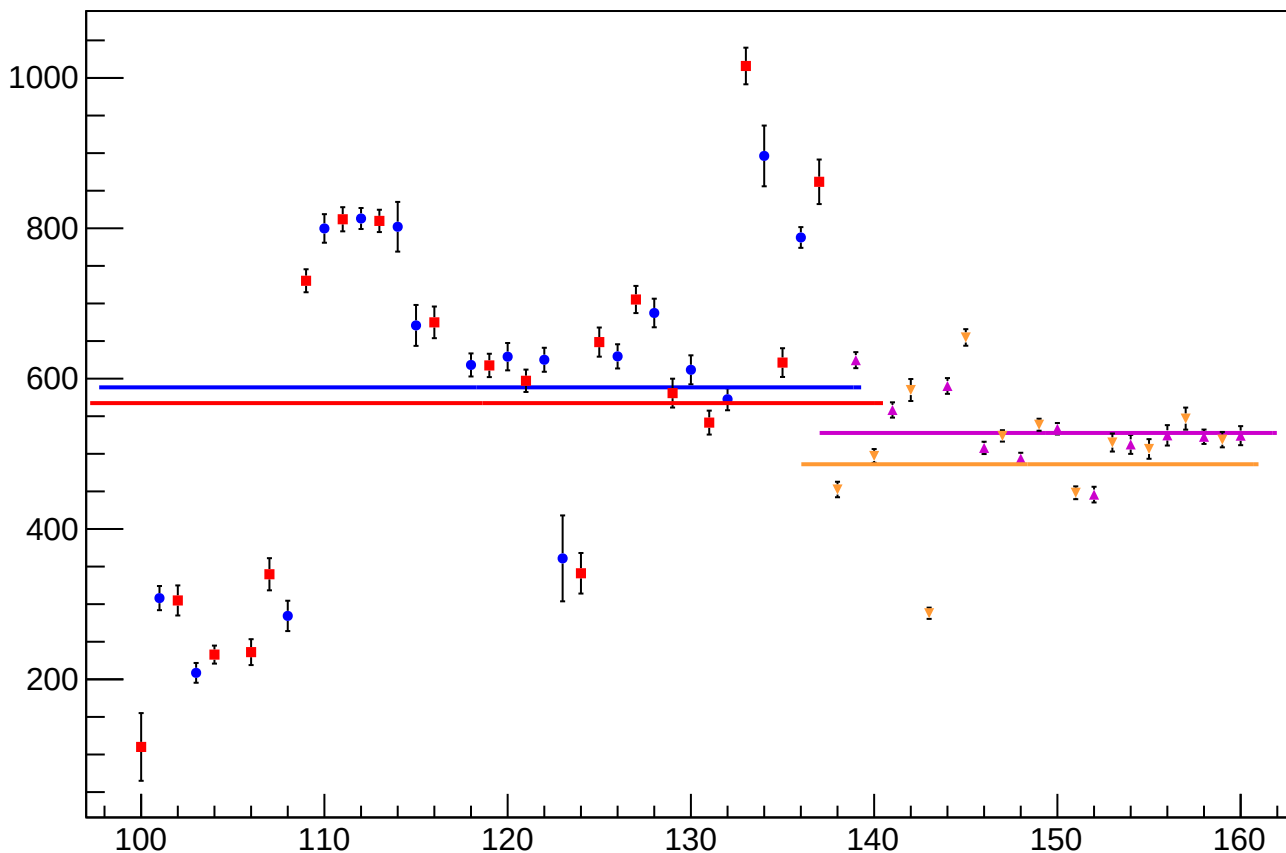
Right: -8.858 ± 1.617 χ^2/NDF : 690.5/35

In: 3.541 ± 1.513 χ^2/NDF : 531.9/27

Out: 5.181 ± 1.434 χ^2/NDF : 537.4/30

All: 4.405 ± 1.041 χ^2/NDF : 1070.0/58

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 588.421 $\pm$ 4.320 χ^2 /NDF: 2130.2/16

Left Out: 486.125 $\pm$ 2.821 χ^2 /NDF:1115.5/11

Right Out: 567.451 $\pm$ 4.137 χ^2 /NDF: 2784.8/18

Left In: 527.761 $\pm$ 2.958 χ^2 /NDF:216.6/10

Left: 505.956 $\pm$ 2.041 χ^2 /NDF: 1435.8/22

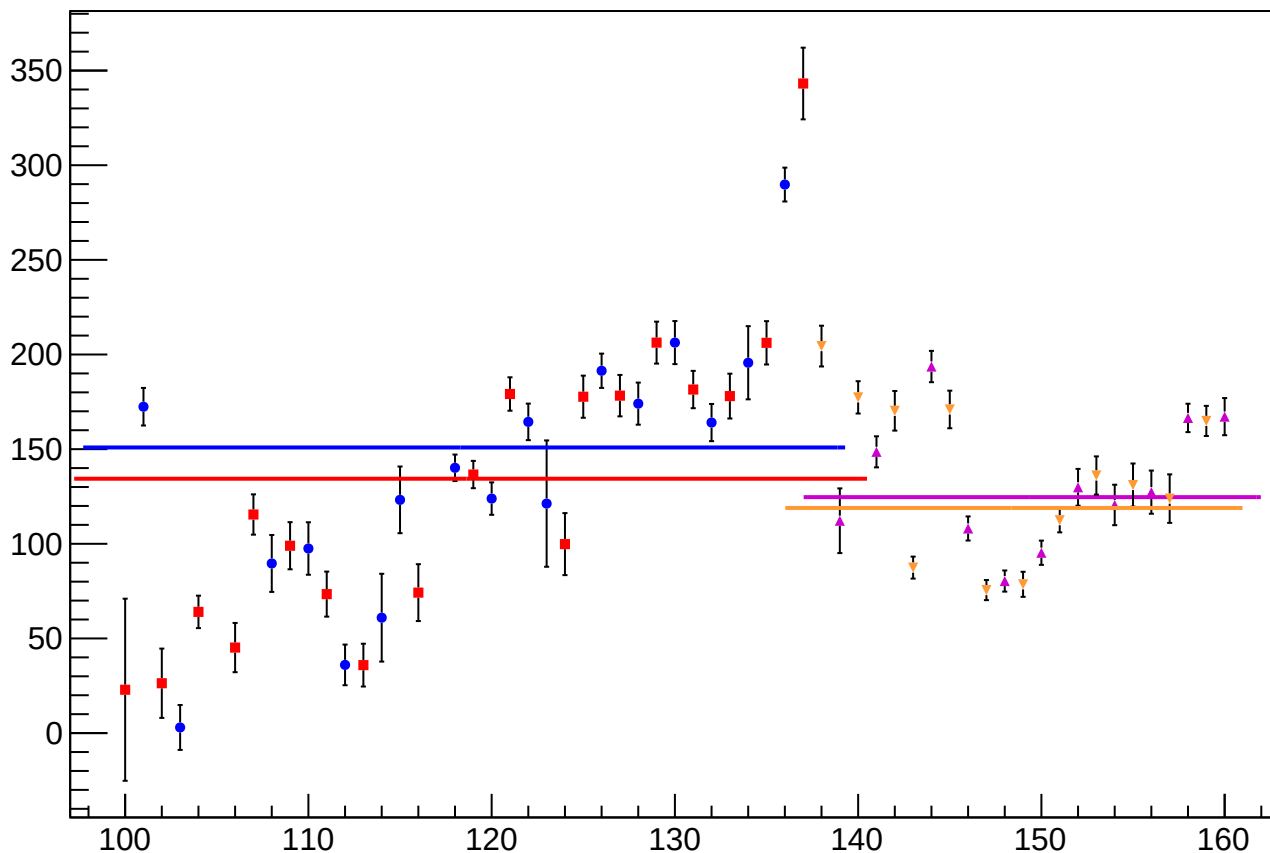
Right: 577.481 $\pm$ 2.988 χ^2 /NDF: 4927.3/35

In: 547.117 $\pm$ 2.440 χ^2 /NDF:2481.0/27

Out: 511.933 $\pm$ 2.330 χ^2 /NDF:4164.1/30

All: 528.714 $\pm$ 1.685 χ^2 /NDF: 6753.8/58

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 150.891 $\pm$ 2.674 χ^2 /NDF: 634.8/16

Left Out: 118.937 $\pm$ 2.274 χ^2 /NDF:333.4/11

Right Out: 134.381 $\pm$ 2.620 χ^2 /NDF: 584.9/18

Left In: 124.658 $\pm$ 2.431 χ^2 /NDF:219.8/10

Left: 121.607 $\pm$ 1.661 χ^2 /NDF: 556.1/22

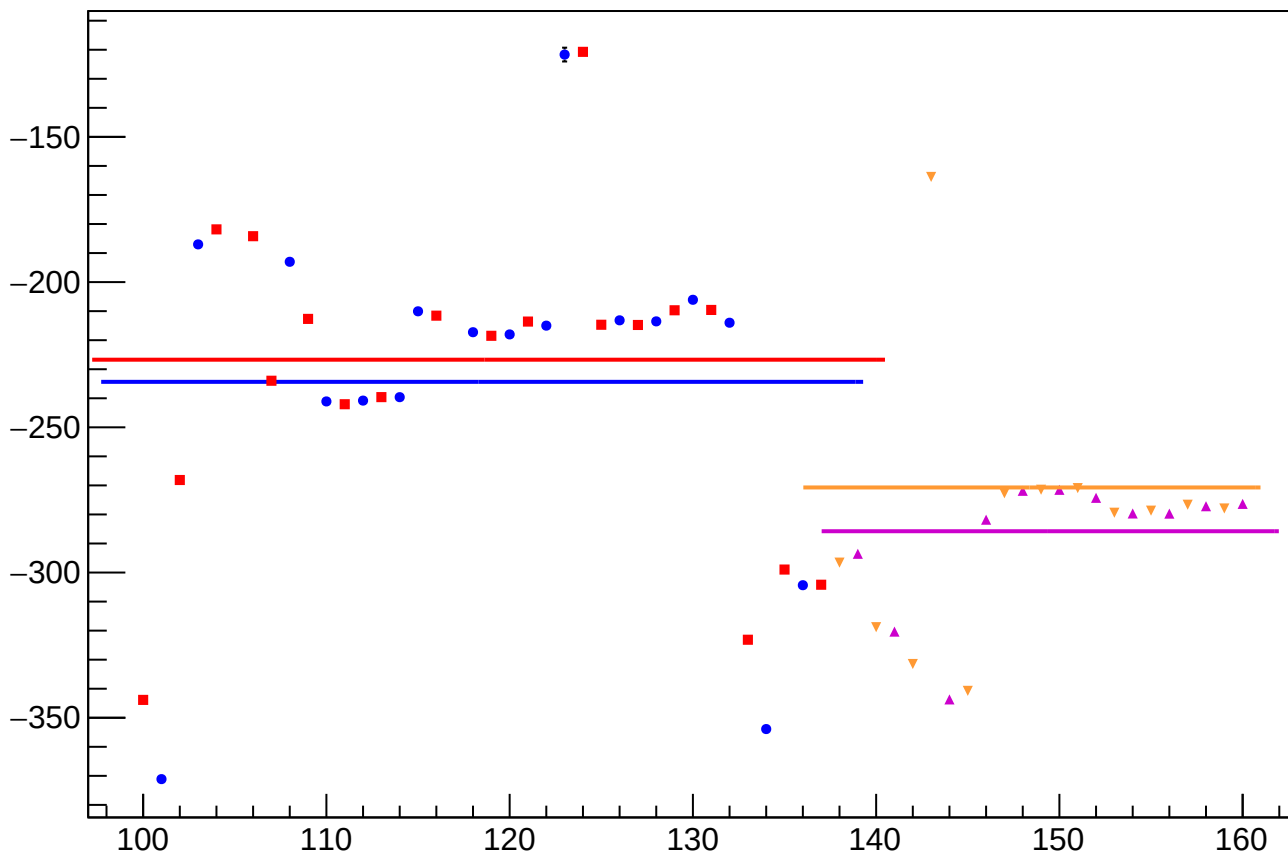
Right: 142.467 $\pm$ 1.871 χ^2 /NDF: 1239.2/35

In: 136.531 $\pm$ 1.799 χ^2 /NDF:907.3/27

Out: 125.575 $\pm$ 1.717 χ^2 /NDF:938.1/30

All: 130.800 $\pm$ 1.242 χ^2 /NDF: 1864.8/58

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.341+/-0.148 χ^2/NDF : 145165.1/16

Left Out: -270.705+/-0.114 χ^2/NDF : 182670.2/11

Right Out: -226.716+/-0.141 χ^2/NDF : 99440.4/18

Left In: -285.776+/-0.118 χ^2/NDF : 29416.3/10

Left: -278.023+/-0.082 χ^2/NDF : 220525.6/22

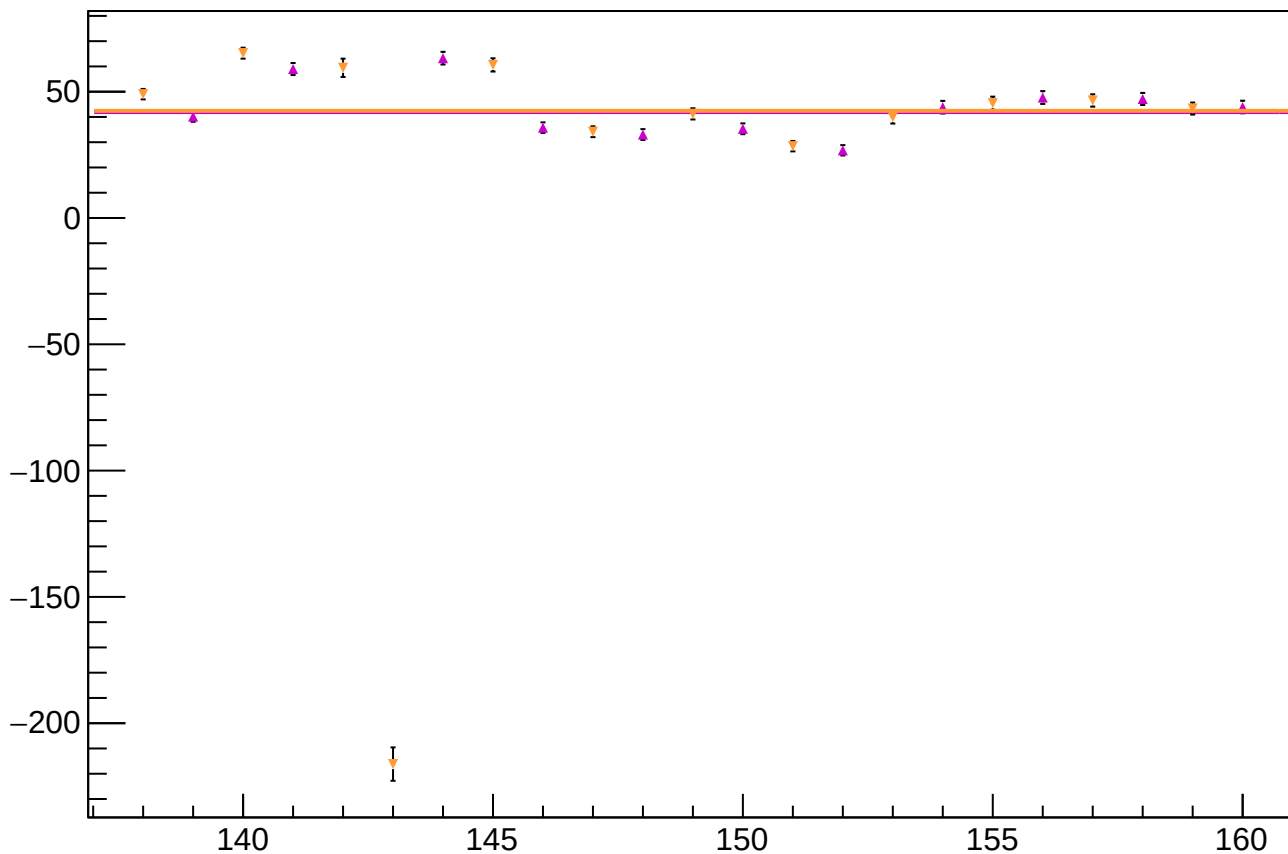
Right: -230.345+/-0.102 χ^2/NDF : 245990.9/35

In: -265.905+/-0.092 χ^2/NDF : 248395.6/27

Out: -253.306+/-0.089 χ^2/NDF : 340671.9/30

All: -259.376+/-0.064 χ^2/NDF : 598749.2/58

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 42.434+/-0.709 χ^2/NDF :1786.7/11

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

Left In: 41.931+/-0.686 χ^2/NDF :225.3/10

Left: 42.174+/-0.493 χ^2/NDF : 2012.3/22

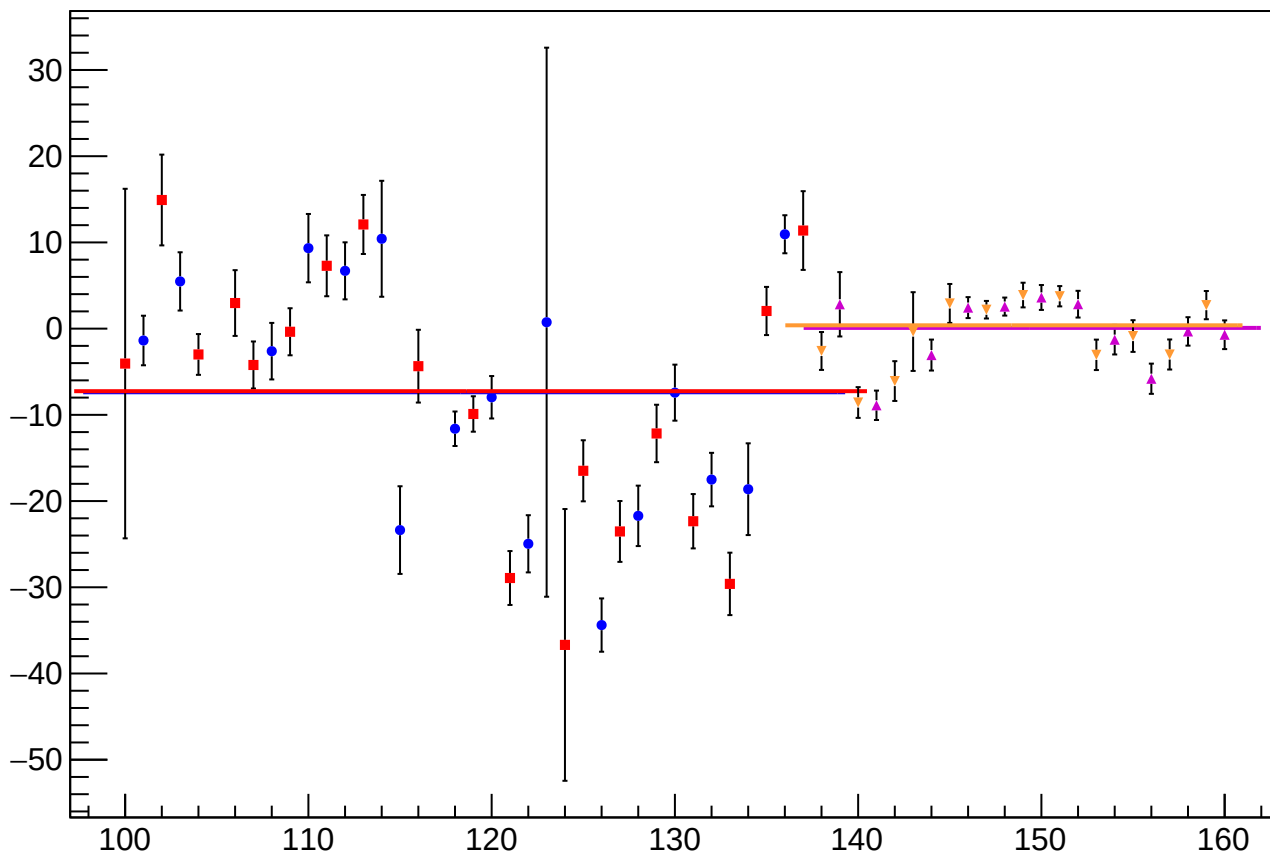
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 41.931+/-0.686 χ^2/NDF :225.3/10

Out: 42.434+/-0.709 χ^2/NDF :1786.7/11

All: 42.174+/-0.493 χ^2/NDF : 2012.3/22

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.381 ± 0.779 χ^2/NDF : 283.6/16

Left Out: 0.385 ± 0.474 χ^2/NDF : 63.6/11

Right Out: -7.256 ± 0.762 χ^2/NDF : 257.3/18

Left In: 0.086 ± 0.466 χ^2/NDF : 62.0/10

Left: 0.232 ± 0.332 χ^2/NDF : 125.9/22

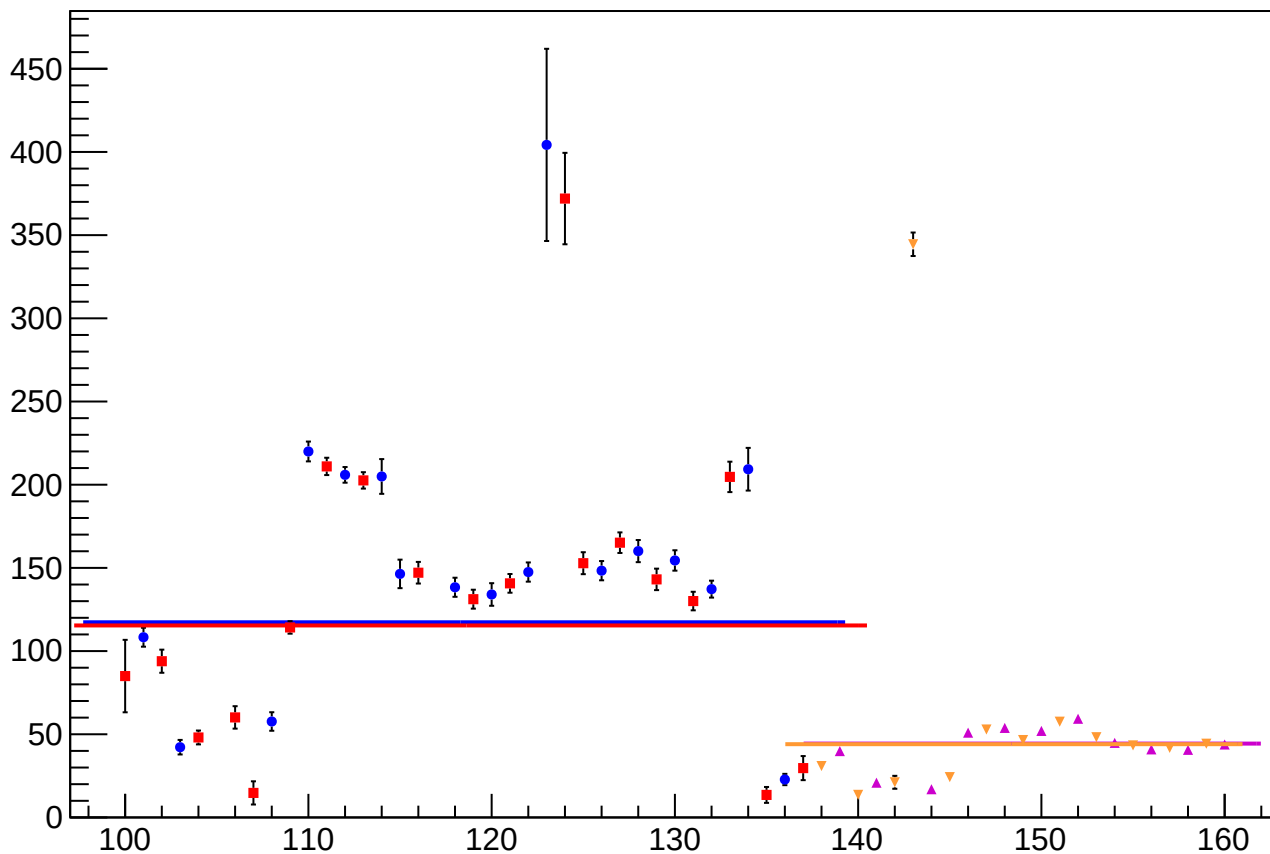
Right: -7.317 ± 0.545 χ^2/NDF : 540.9/35

In: -1.883 ± 0.400 χ^2/NDF : 413.3/27

Out: -1.749 ± 0.403 χ^2/NDF : 393.4/30

All: -1.817 ± 0.284 χ^2/NDF : 806.8/58

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.302 $\pm$ 1.409 χ^2 /NDF: 2161.3/16

Left Out: 44.041 $\pm$ 0.691 χ^2 /NDF:2179.8/11

Right Out: 115.405 $\pm$ 1.361 χ^2 /NDF: 2150.5/18

Left In: 44.394 $\pm$ 0.665 χ^2 /NDF:304.8/10

Left: 44.224 $\pm$ 0.479 χ^2 /NDF: 2484.7/22

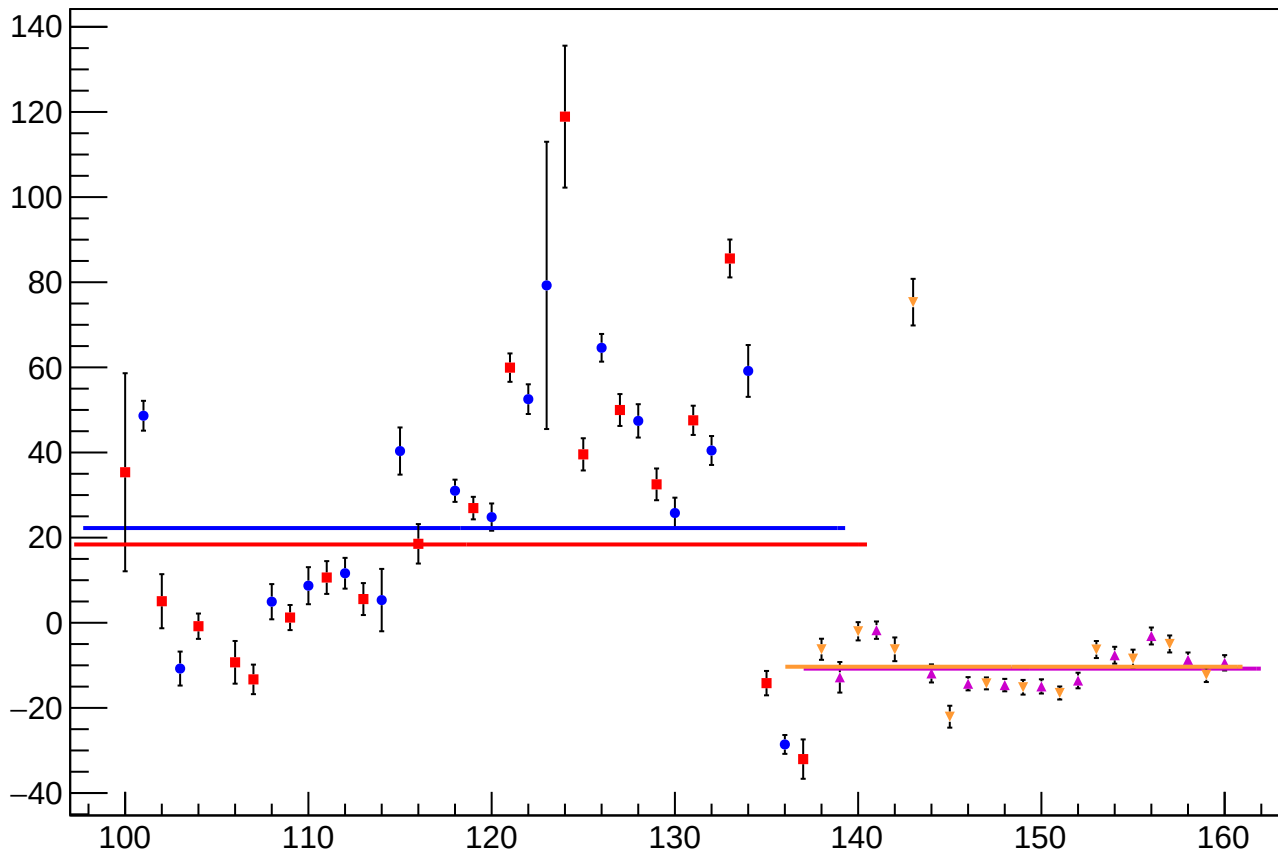
Right: 116.321 $\pm$ 0.979 χ^2 /NDF: 4312.7/35

In: 57.698 $\pm$ 0.602 χ^2 /NDF:4656.3/27

Out: 58.685 $\pm$ 0.616 χ^2 /NDF:6516.8/30

All: 58.180 $\pm$ 0.431 χ^2 /NDF: 11174.4/58

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.250+/-0.889 χ^2/NDF : 1071.4/16

Left Out: -10.328+/-0.575 χ^2/NDF :330.5/11

Right Out: 18.395+/-0.872 χ^2/NDF : 1077.1/18

Left In: -10.776+/-0.558 χ^2/NDF :60.2/10

Left: -10.559+/-0.400 χ^2/NDF : 391.0/22

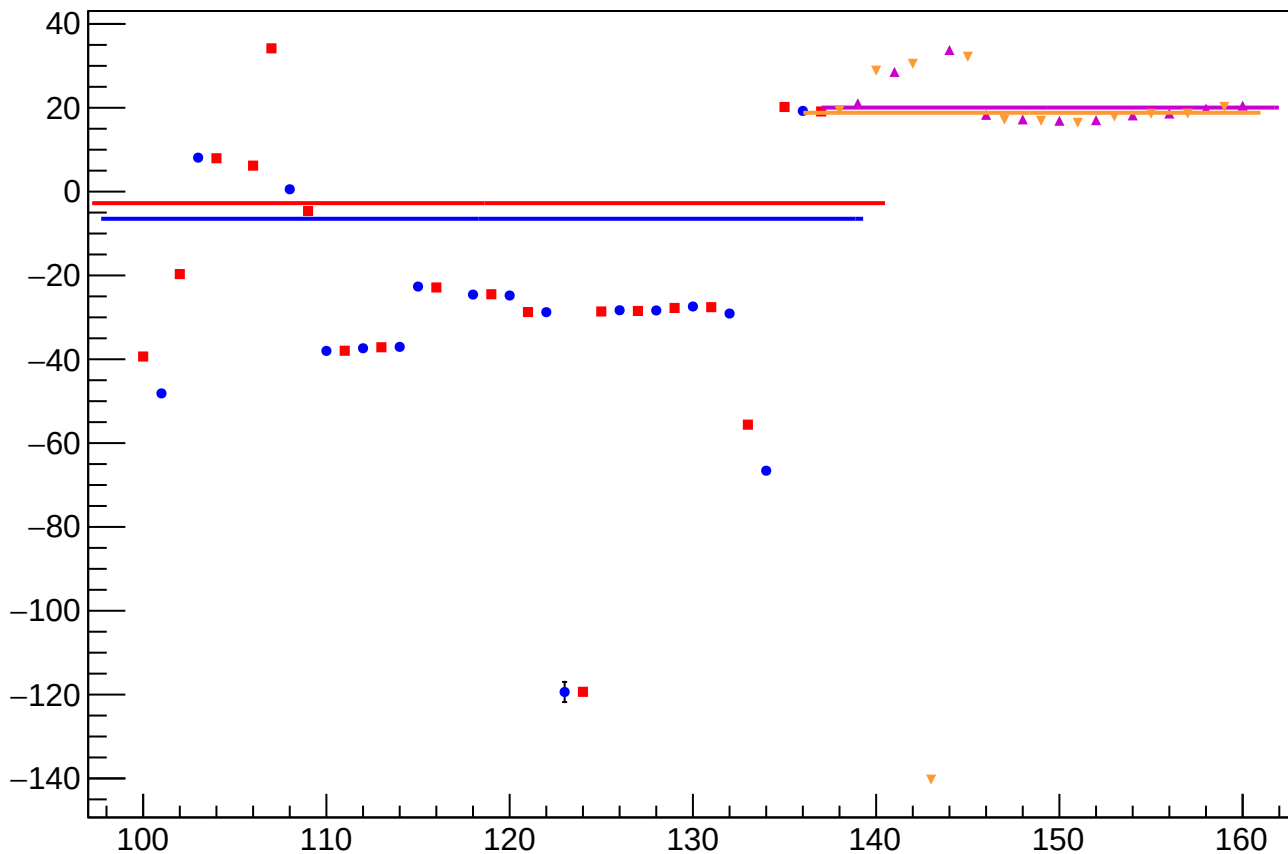
Right: 20.284+/-0.622 χ^2/NDF : 2158.2/35

In: -1.456+/-0.472 χ^2/NDF :2121.9/27

Out: -1.620+/-0.480 χ^2/NDF :2164.0/30

All: -1.537+/-0.337 χ^2/NDF : 4286.0/58

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.482 ± 0.046 χ^2/NDF : 265804.1/16

Left Out: 18.806 ± 0.027 χ^2/NDF : 348909.7/11

Right Out: -2.751 ± 0.046 χ^2/NDF : 266291.4/18

Left In: 20.046 ± 0.026 χ^2/NDF : 25893.5/10

Left: 19.456 ± 0.019 χ^2/NDF : 375897.1/22

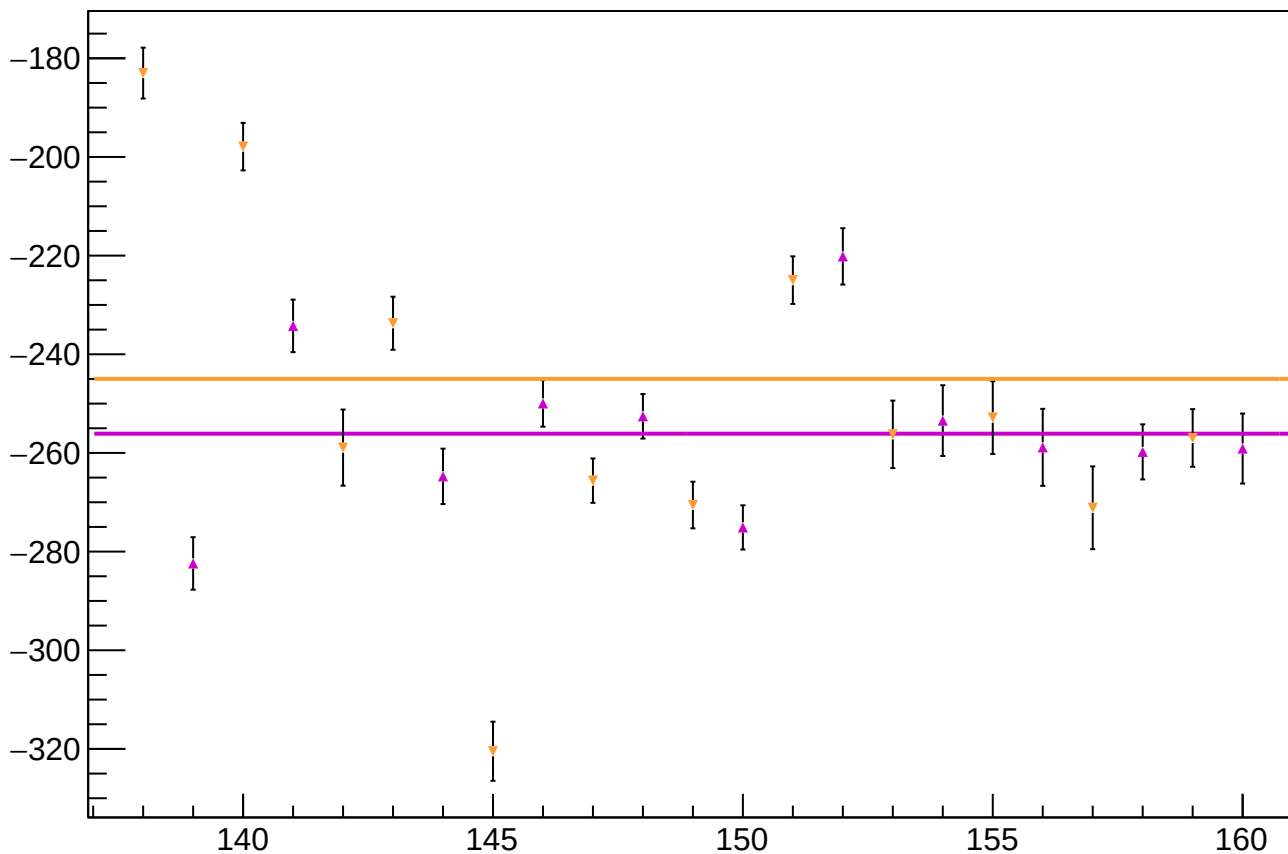
Right: -4.597 ± 0.032 χ^2/NDF : 535394.7/35

In: 13.710 ± 0.023 χ^2/NDF : 543059.6/27

Out: 13.185 ± 0.023 χ^2/NDF : 779846.9/30

All: 13.456 ± 0.016 χ^2/NDF : 1323167.9/58

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -244.972+/-1.621 χ^2/NDF :492.1/11

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

Left In: -256.098+/-1.656 χ^2/NDF :104.4/10

Left: -250.417+/-1.158 χ^2/NDF : 619.5/22

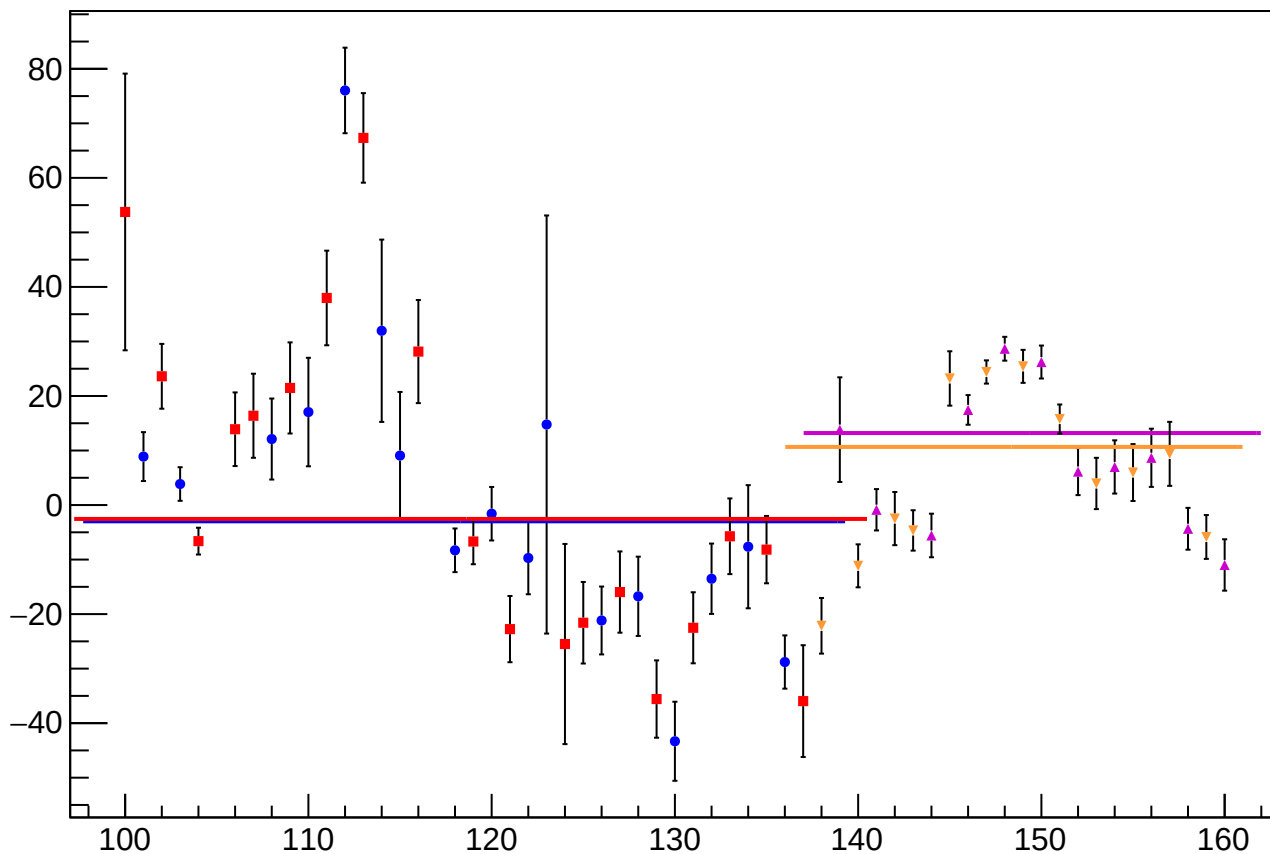
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -256.098+/-1.656 χ^2/NDF :104.4/10

Out: -244.972+/-1.621 χ^2/NDF :492.1/11

All: -250.417+/-1.158 χ^2/NDF : 619.5/22

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.981 ± 1.450 χ^2/NDF : 203.9/16

Left Out: 10.658 ± 1.053 χ^2/NDF : 191.6/11

Right Out: -2.548 ± 1.399 χ^2/NDF : 218.1/18

Left In: 13.205 ± 1.091 χ^2/NDF : 159.2/10

Left: 11.888 ± 0.758 χ^2/NDF : 353.6/22

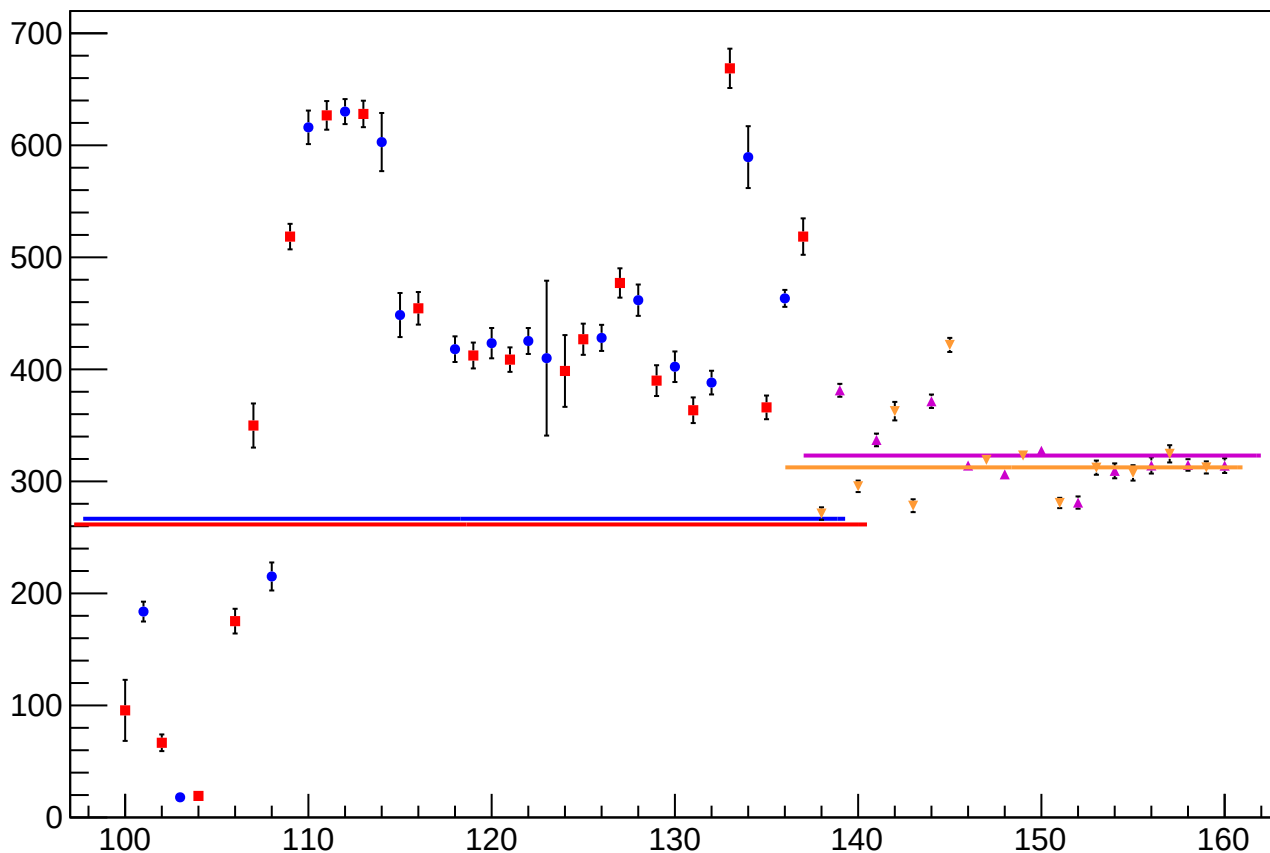
Right: -2.757 ± 1.007 χ^2/NDF : 422.1/35

In: 7.360 ± 0.872 χ^2/NDF : 442.7/27

Out: 5.878 ± 0.841 χ^2/NDF : 466.6/30

All: 6.593 ± 0.605 χ^2/NDF : 910.8/58

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 266.624 ± 2.477 $\chi^2/\text{NDF}: 7662.7/16$

Left Out: 312.510 ± 1.596 $\chi^2/\text{NDF}: 498.5/11$

Right Out: 261.551 ± 2.458 $\chi^2/\text{NDF}: 8208.2/18$

Left In: 323.063 ± 1.608 $\chi^2/\text{NDF}: 263.2/10$

Left: 317.749 ± 1.133 $\chi^2/\text{NDF}: 783.4/22$

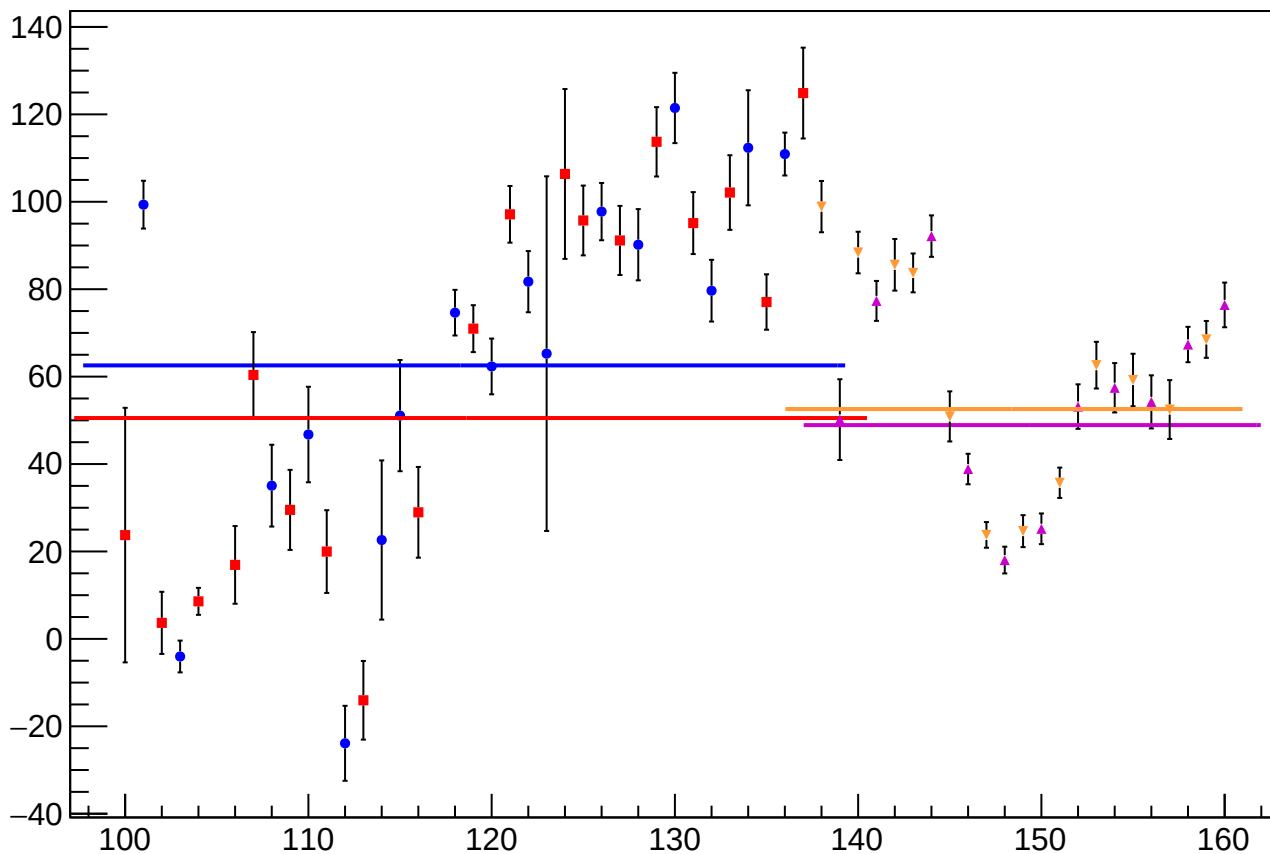
Right: 264.068 ± 1.745 $\chi^2/\text{NDF}: 15873.0/35$

In: 306.334 ± 1.349 $\chi^2/\text{NDF}: 8291.1/27$

Out: 297.391 ± 1.339 $\chi^2/\text{NDF}: 9009.1/30$

All: 301.829 ± 0.950 $\chi^2/\text{NDF}: 17322.3/58$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.566 $\pm$ 1.678 χ^2 /NDF: 722.4/16

Left Out: 52.585 $\pm$ 1.294 χ^2 /NDF: 396.3/11

Right Out: 50.526 $\pm$ 1.643 χ^2 /NDF: 657.0/18

Left In: 48.910 $\pm$ 1.324 χ^2 /NDF: 331.2/10

Left: 50.790 $\pm$ 0.925 χ^2 /NDF: 731.5/22

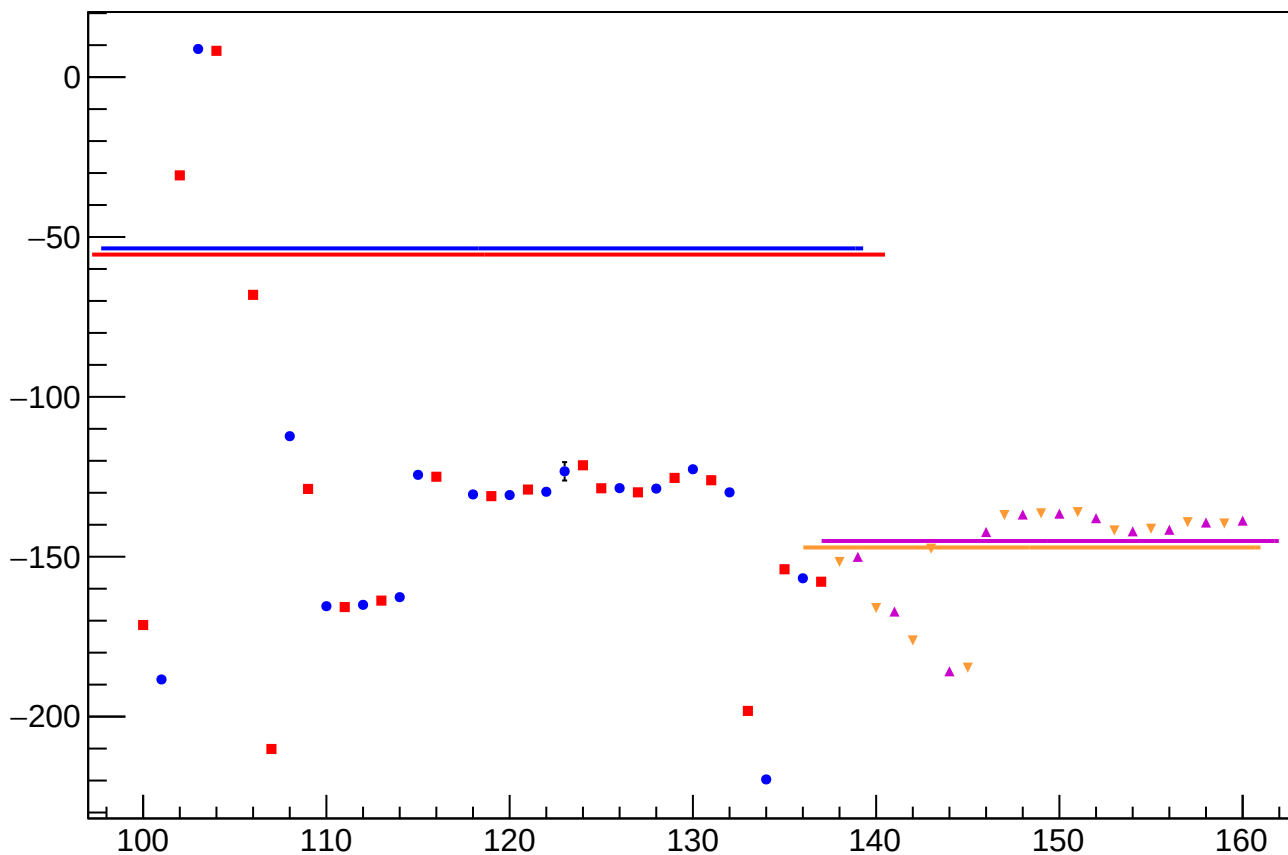
Right: 56.420 $\pm$ 1.174 χ^2 /NDF: 1405.7/35

In: 54.148 $\pm$ 1.039 χ^2 /NDF: 1094.5/27

Out: 51.798 $\pm$ 1.016 χ^2 /NDF: 1054.3/30

All: 52.947 $\pm$ 0.727 χ^2 /NDF: 2151.4/58

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.567 ± 0.070 $\chi^2/\text{NDF}: 1230233.3/16$

Left Out: -147.107 ± 0.065 $\chi^2/\text{NDF}: 50444.0/11$

Right Out: -55.502 ± 0.072 $\chi^2/\text{NDF}: 969632.0/18$

Left In: -145.073 ± 0.064 $\chi^2/\text{NDF}: 41607.8/10$

Left: -146.078 ± 0.045 $\chi^2/\text{NDF}: 92554.6/22$

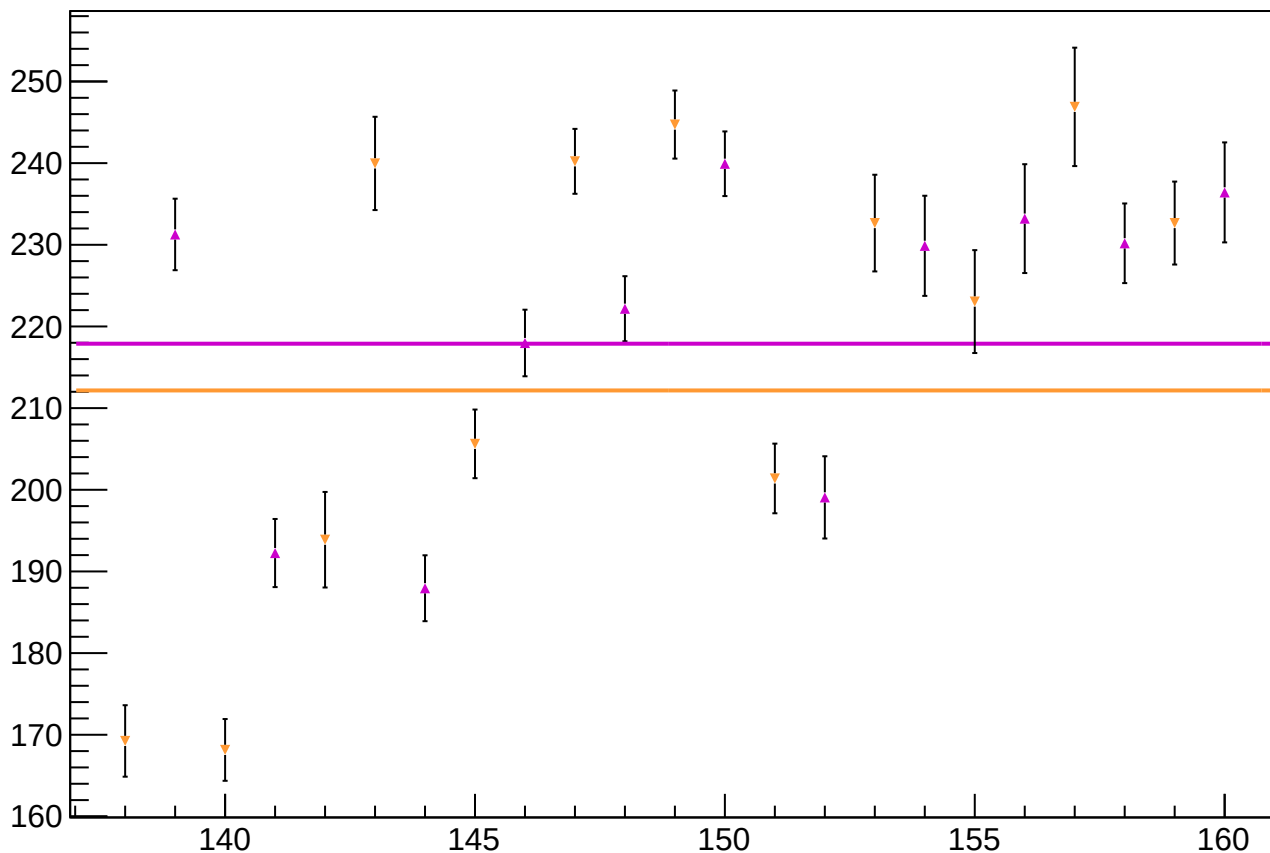
Right: -54.512 ± 0.050 $\chi^2/\text{NDF}: 2200235.7/35$

In: -103.746 ± 0.047 $\chi^2/\text{NDF}: 2201630.9/27$

Out: -106.254 ± 0.048 $\chi^2/\text{NDF}: 1919237.5/30$

All: -104.979 ± 0.034 $\chi^2/\text{NDF}: 4122255.6/58$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 212.164+/-1.379 χ^2/NDF :438.9/11

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

Left In: 217.888+/-1.393 χ^2/NDF :172.9/10

Left: 214.997+/-0.980 χ^2/NDF : 620.4/22

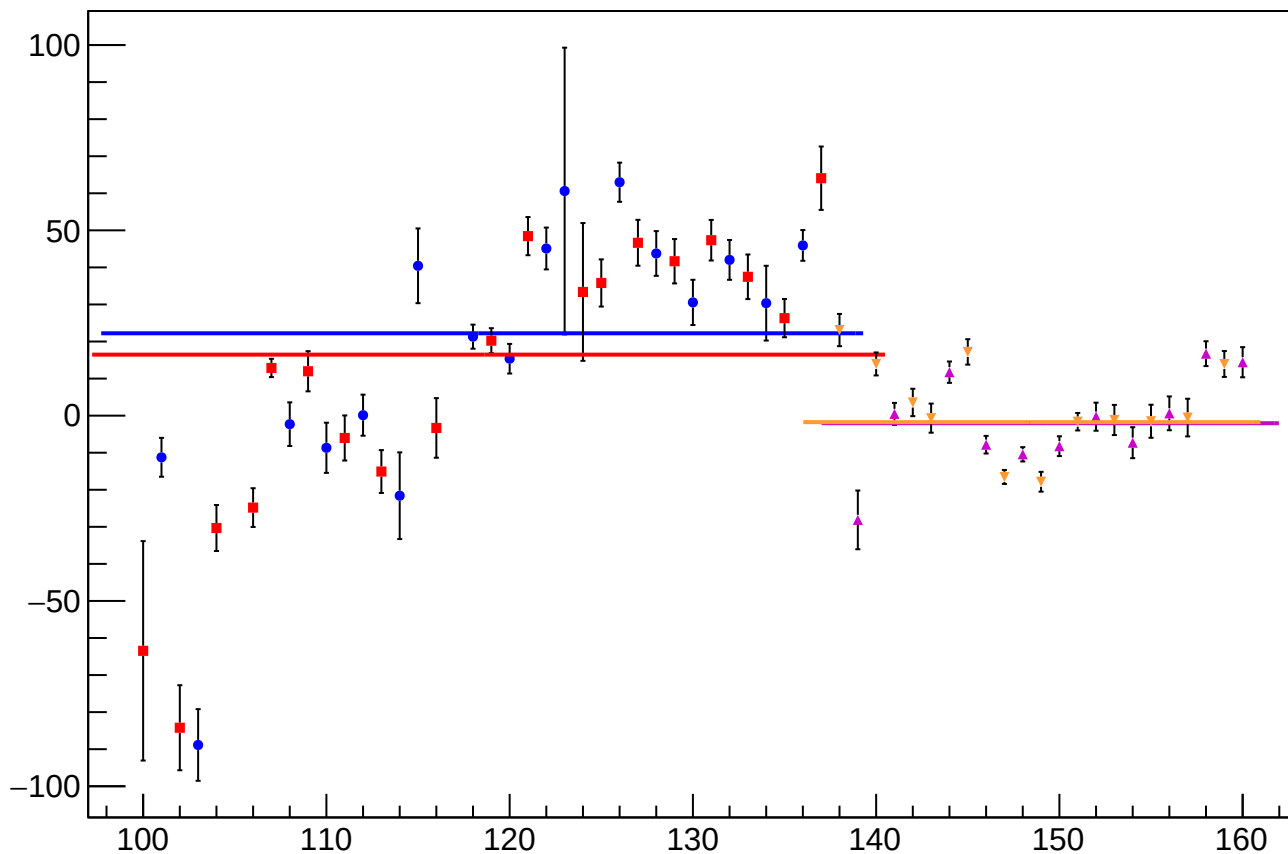
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 217.888+/-1.393 χ^2/NDF :172.9/10

Out: 212.164+/-1.379 χ^2/NDF :438.9/11

All: 214.997+/-0.980 χ^2/NDF : 620.4/22

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.221+/-1.374 χ^2/NDF : 385.6/16

Left Out: -1.754+/-0.908 χ^2/NDF : 209.2/11

Right Out: 16.466+/-1.230 χ^2/NDF : 425.9/18

Left In: -2.045+/-0.929 χ^2/NDF : 114.4/10

Left: -1.896+/-0.649 χ^2/NDF : 323.7/22

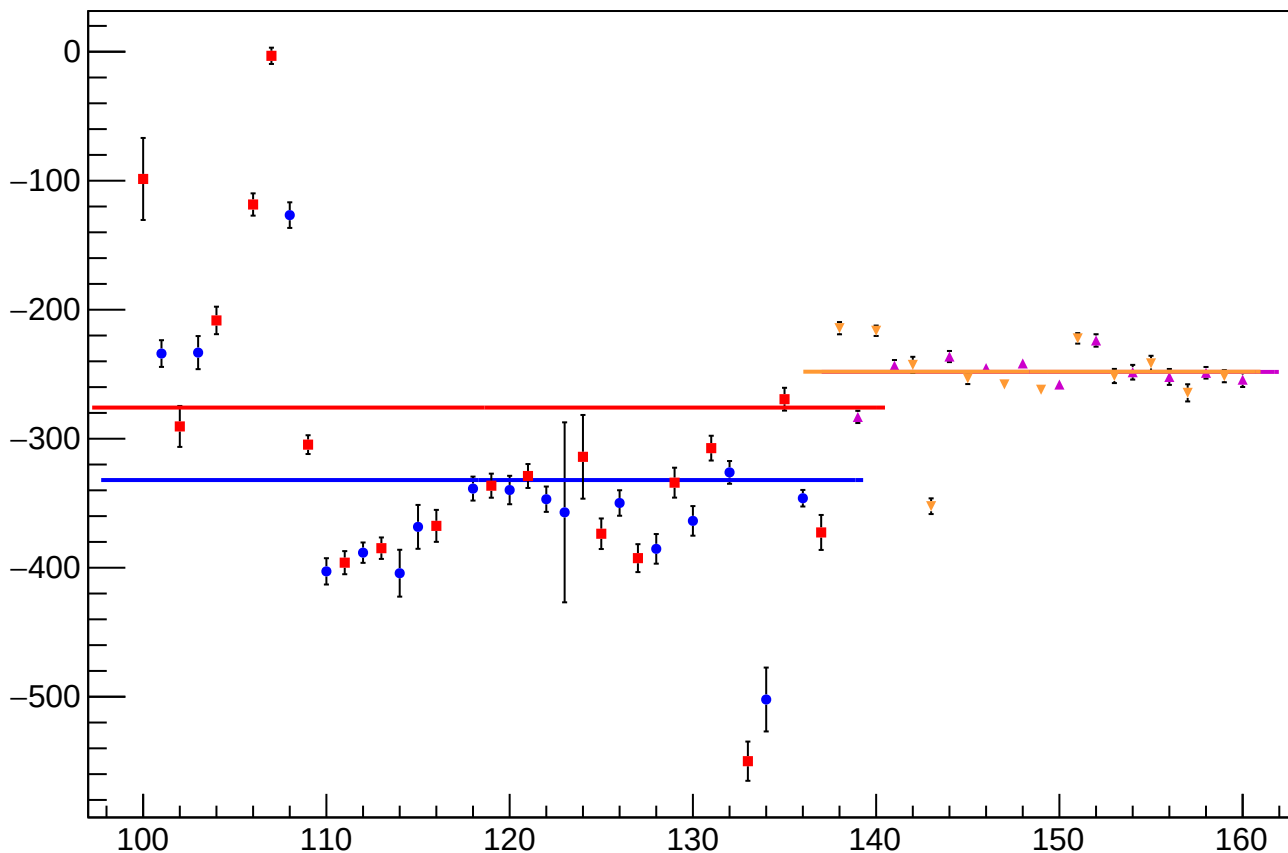
Right: 19.025+/-0.916 χ^2/NDF : 821.2/35

In: 5.569+/-0.770 χ^2/NDF : 714.1/27

Out: 4.674+/-0.730 χ^2/NDF : 777.2/30

All: 5.098+/-0.530 χ^2/NDF : 1492.0/58

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -332.037 ± 2.562 χ^2/NDF : 784.9/16

Left Out: -248.041 ± 1.364 χ^2/NDF : 475.7/11

Right Out: -275.853 ± 2.324 χ^2/NDF : 3362.8/18

Left In: -248.215 ± 1.361 χ^2/NDF : 100.8/10

Left: -248.128 ± 0.963 χ^2/NDF : 576.5/22

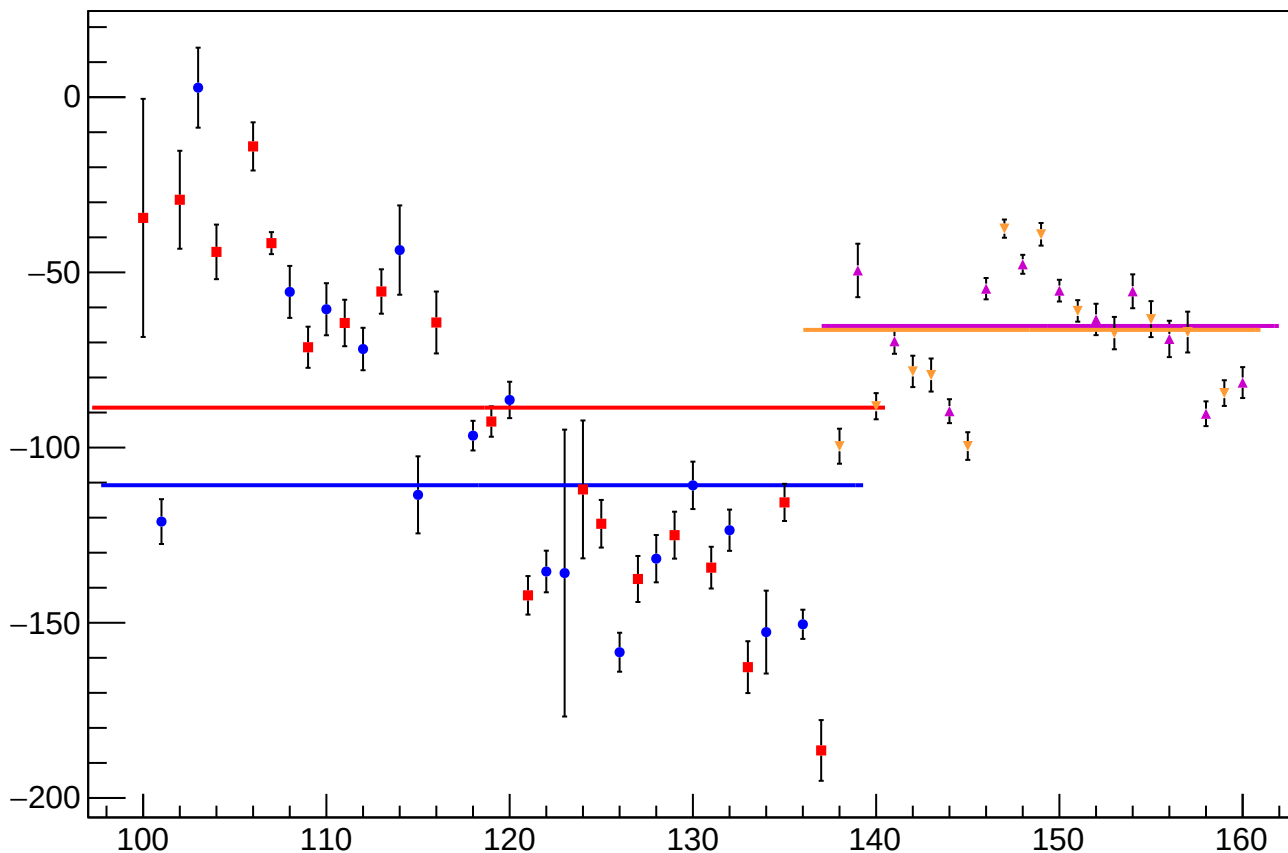
Right: -301.220 ± 1.721 χ^2/NDF : 4411.6/35

In: -266.668 ± 1.202 χ^2/NDF : 1720.6/27

Out: -255.165 ± 1.176 χ^2/NDF : 3945.0/30

All: -260.792 ± 0.841 χ^2/NDF : 5712.3/58

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -110.745 ± 1.578 χ^2/NDF : 513.4/16

Left Out: -66.409 ± 1.111 χ^2/NDF : 386.0/11

Right Out: -88.600 ± 1.435 χ^2/NDF : 969.7/18

Left In: -65.292 ± 1.124 χ^2/NDF : 190.3/10

Left: -65.857 ± 0.790 χ^2/NDF : 576.7/22

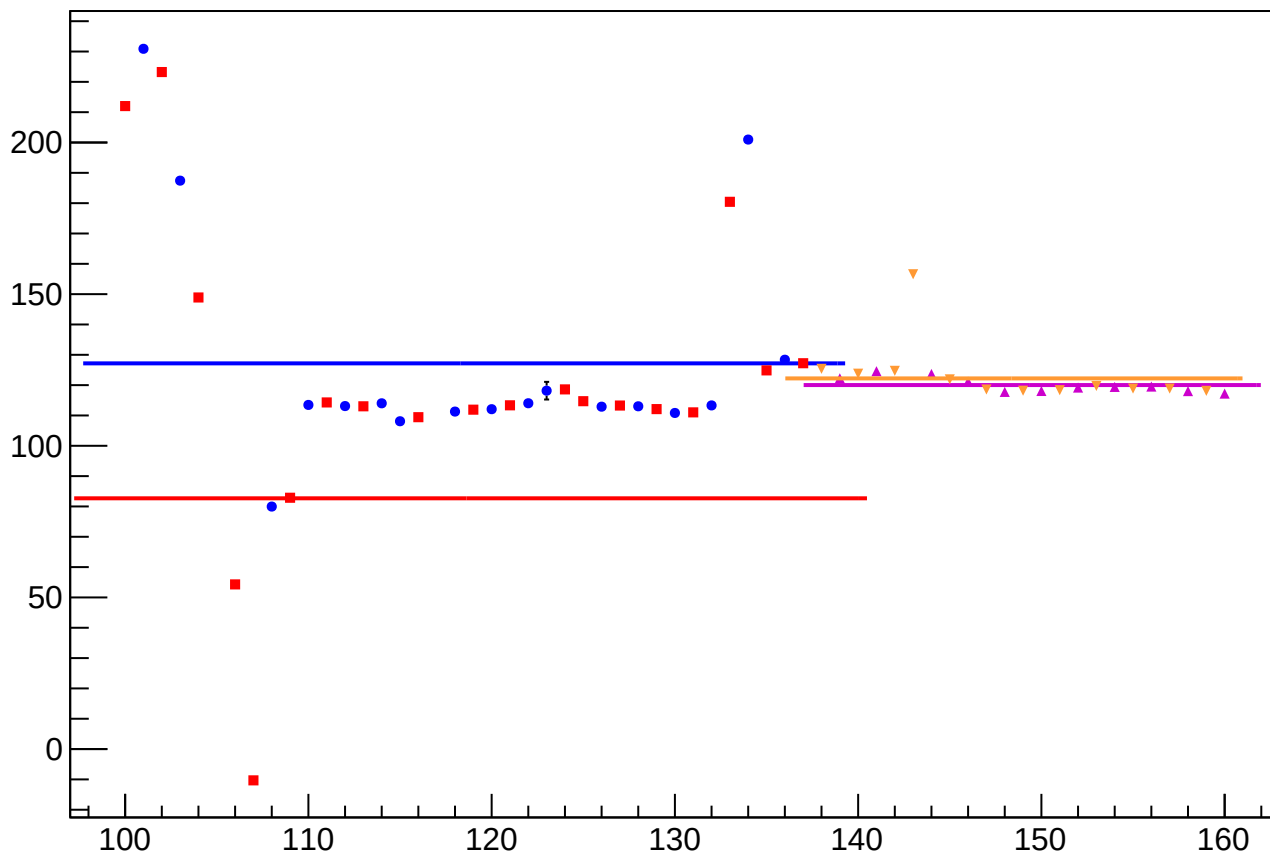
Right: -98.623 ± 1.061 χ^2/NDF : 1591.0/35

In: -80.599 ± 0.915 χ^2/NDF : 1254.2/27

Out: -74.731 ± 0.879 χ^2/NDF : 1505.3/30

All: -77.544 ± 0.634 χ^2/NDF : 2780.9/58

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.179 $\pm$ 0.089 χ^2 /NDF: 188050.9/16

Left Out: 122.220 $\pm$ 0.055 χ^2 /NDF: 22876.9/11

Right Out: 82.684 $\pm$ 0.075 χ^2 /NDF: 765716.0/18

Left In: 120.027 $\pm$ 0.054 χ^2 /NDF: 1965.1/10

Left: 121.104 $\pm$ 0.039 χ^2 /NDF: 25650.2/22

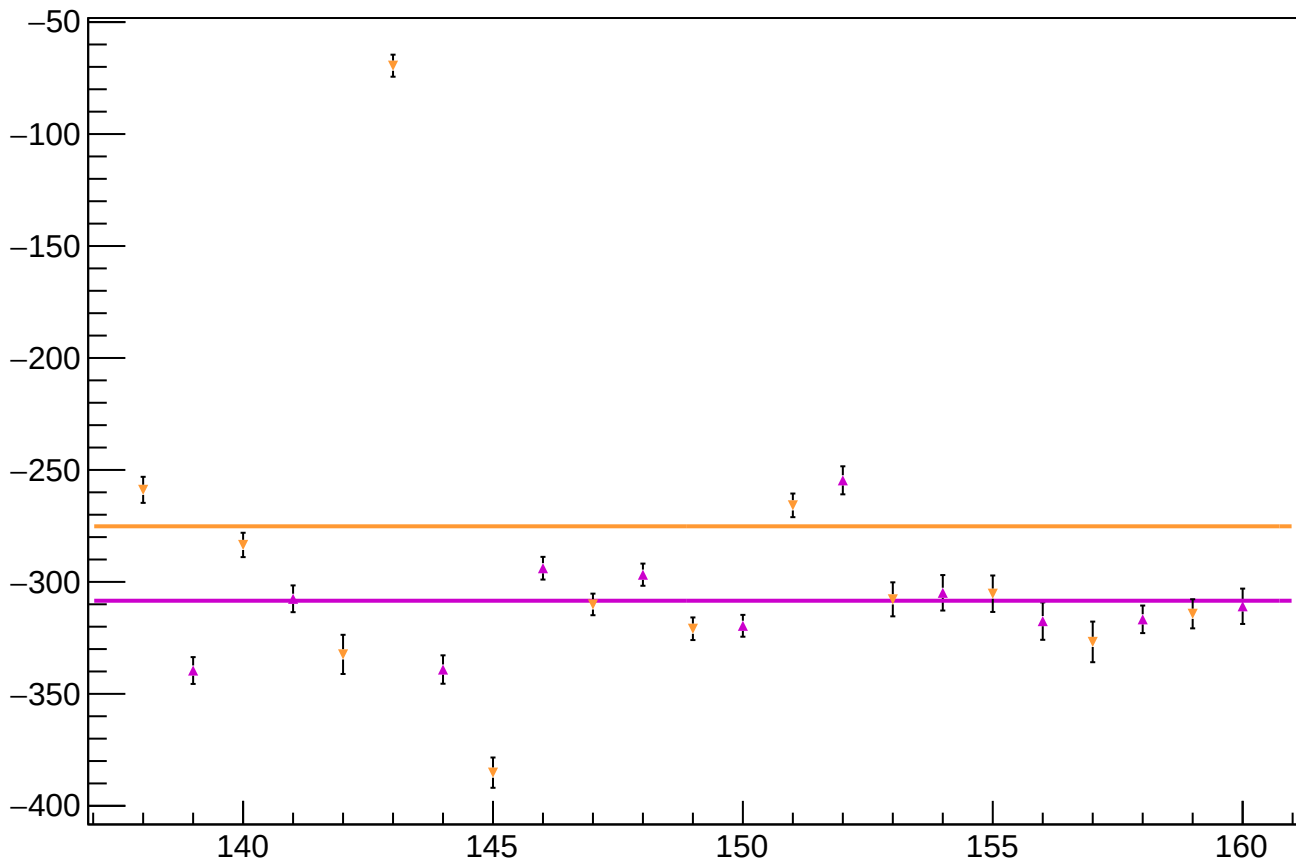
Right: 101.242 $\pm$ 0.057 χ^2 /NDF: 1099401.9/35

In: 121.953 $\pm$ 0.046 χ^2 /NDF: 194732.4/27

Out: 108.453 $\pm$ 0.044 χ^2 /NDF: 968273.3/30

All: 114.941 $\pm$ 0.032 χ^2 /NDF: 1207368.7/58

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -275.175+/-1.751 χ^2/NDF :2301.2/11

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

Left In: -308.411+/-1.823 χ^2/NDF :146.6/10

Left: -291.123+/-1.263 χ^2/NDF : 2620.6/22

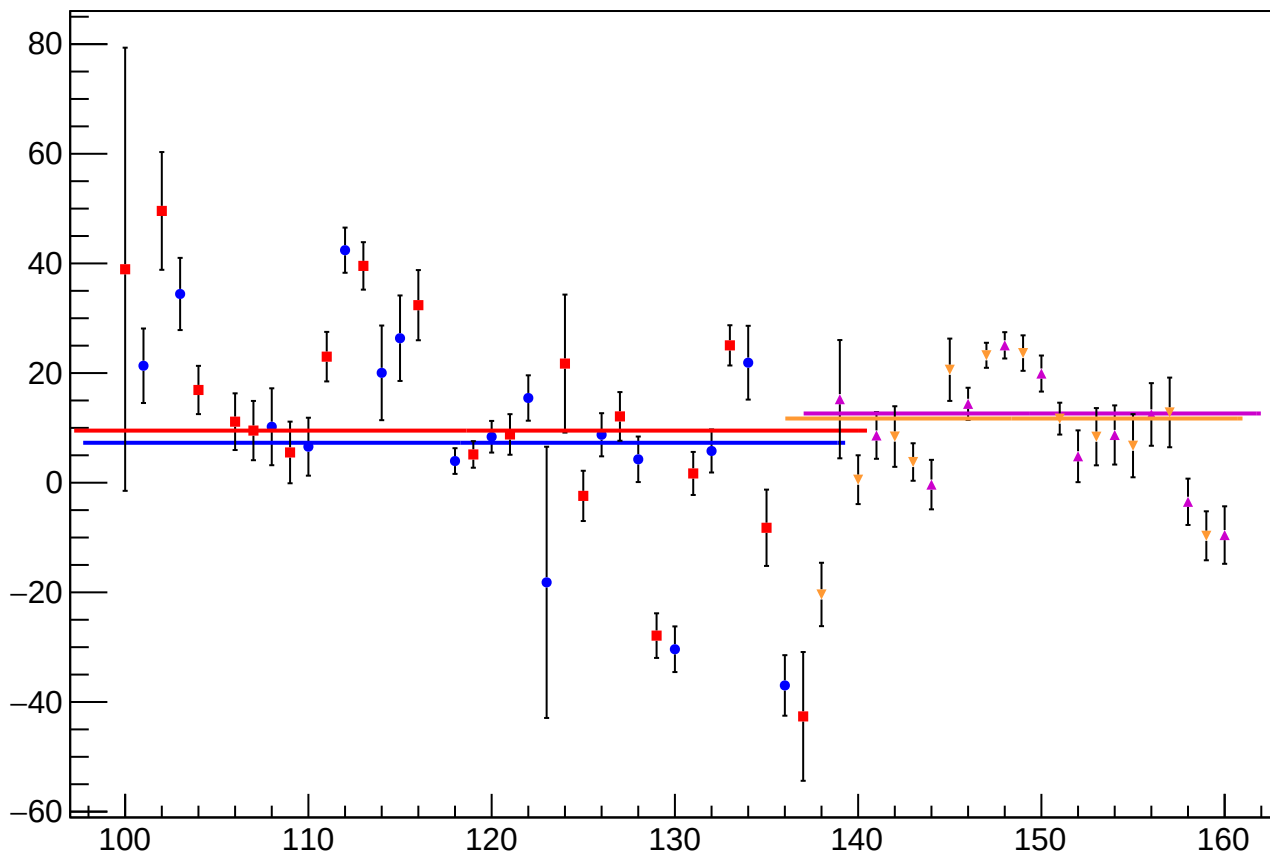
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -308.411+/-1.823 χ^2/NDF :146.6/10

Out: -275.175+/-1.751 χ^2/NDF :2301.2/11

All: -291.123+/-1.263 χ^2/NDF : 2620.6/22

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.284 ± 1.084 $\chi^2/\text{NDF}: 261.0/16$

Left Out: 11.710 ± 1.135 $\chi^2/\text{NDF}: 108.5/11$

Right Out: 9.505 ± 1.074 $\chi^2/\text{NDF}: 231.5/18$

Left In: 12.628 ± 1.198 $\chi^2/\text{NDF}: 76.9/10$

Left: 12.144 ± 0.824 $\chi^2/\text{NDF}: 185.7/22$

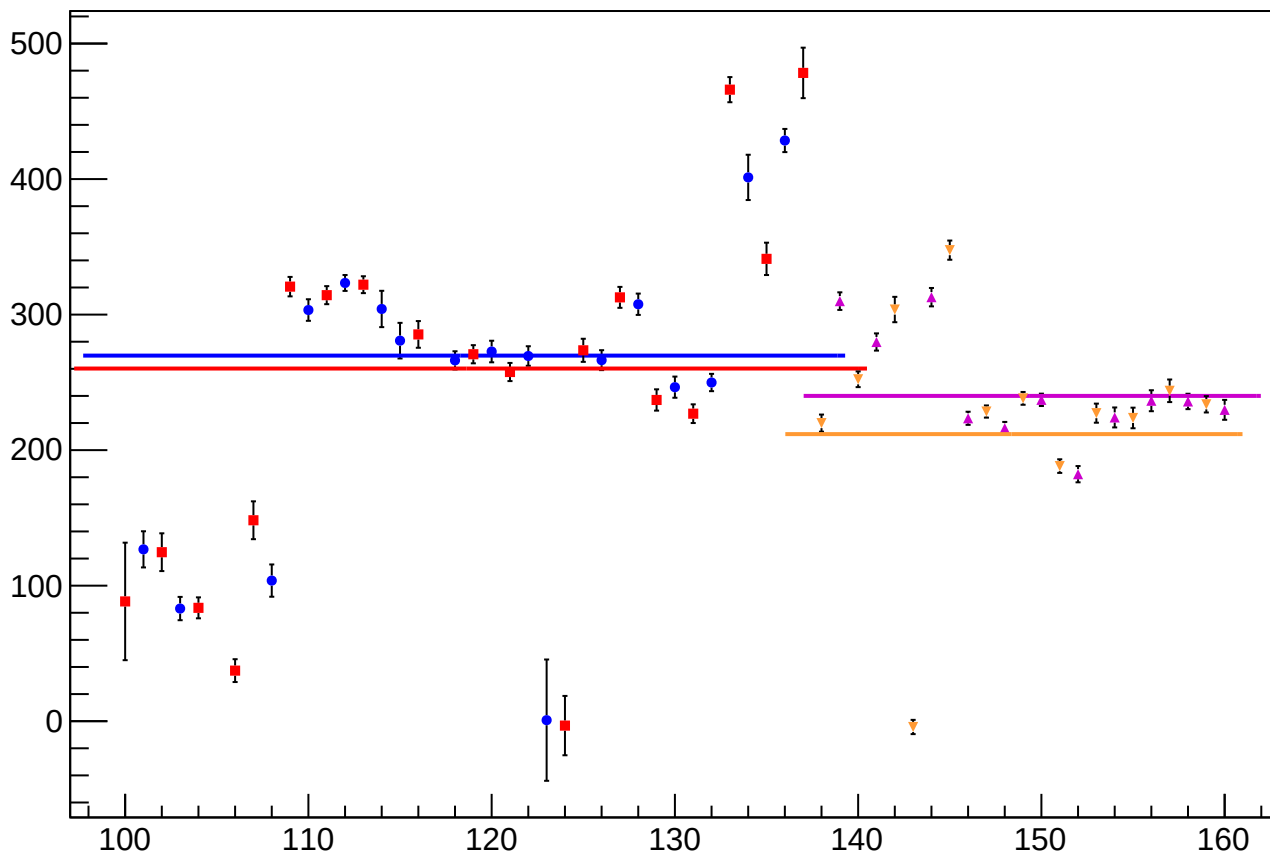
Right: 8.404 ± 0.763 $\chi^2/\text{NDF}: 494.7/35$

In: 9.689 ± 0.804 $\chi^2/\text{NDF}: 348.9/27$

Out: 10.547 ± 0.780 $\chi^2/\text{NDF}: 342.0/30$

All: 10.131 ± 0.560 $\chi^2/\text{NDF}: 691.5/58$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.748 $\pm$ 2.071 χ^2 /NDF: 1374.1/16

Left Out: 211.820 $\pm$ 1.726 χ^2 /NDF: 2307.1/11

Right Out: 260.206 $\pm$ 1.978 χ^2 /NDF: 2541.6/18

Left In: 240.019 $\pm$ 1.768 χ^2 /NDF: 409.1/10

Left: 225.581 $\pm$ 1.235 χ^2 /NDF: 2846.5/22

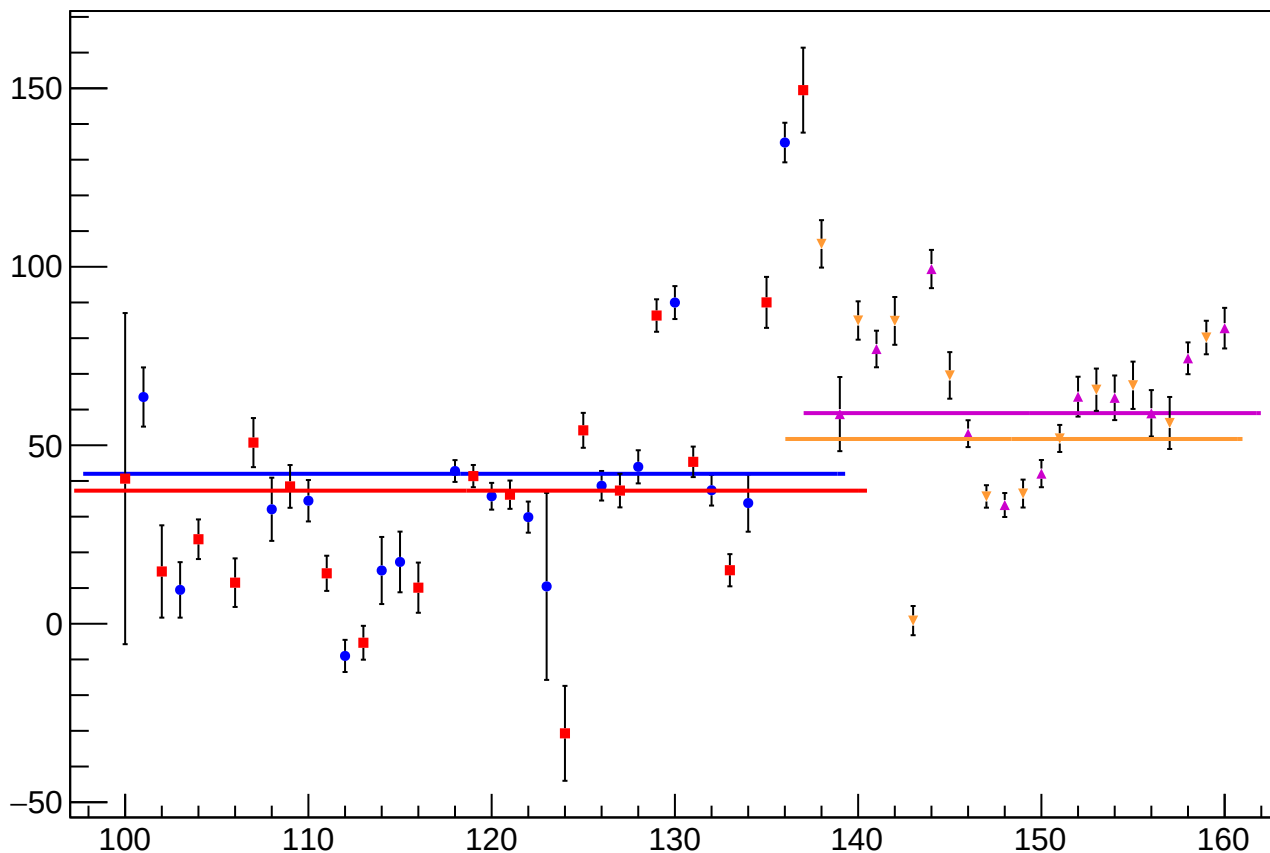
Right: 264.757 $\pm$ 1.430 χ^2 /NDF: 3926.7/35

In: 252.548 $\pm$ 1.345 χ^2 /NDF: 1902.4/27

Out: 232.738 $\pm$ 1.300 χ^2 /NDF: 5188.4/30

All: 242.311 $\pm$ 0.935 χ^2 /NDF: 7203.0/58

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006 ± 1.255 $\chi^2/\text{NDF}: 575.6/16$

Left Out: 51.760 ± 1.394 $\chi^2/\text{NDF}: 381.5/11$

Right Out: 37.284 ± 1.237 $\chi^2/\text{NDF}: 472.6/18$

Left In: 59.006 ± 1.454 $\chi^2/\text{NDF}: 180.5/10$

Left: 55.231 ± 1.007 $\chi^2/\text{NDF}: 574.9/22$

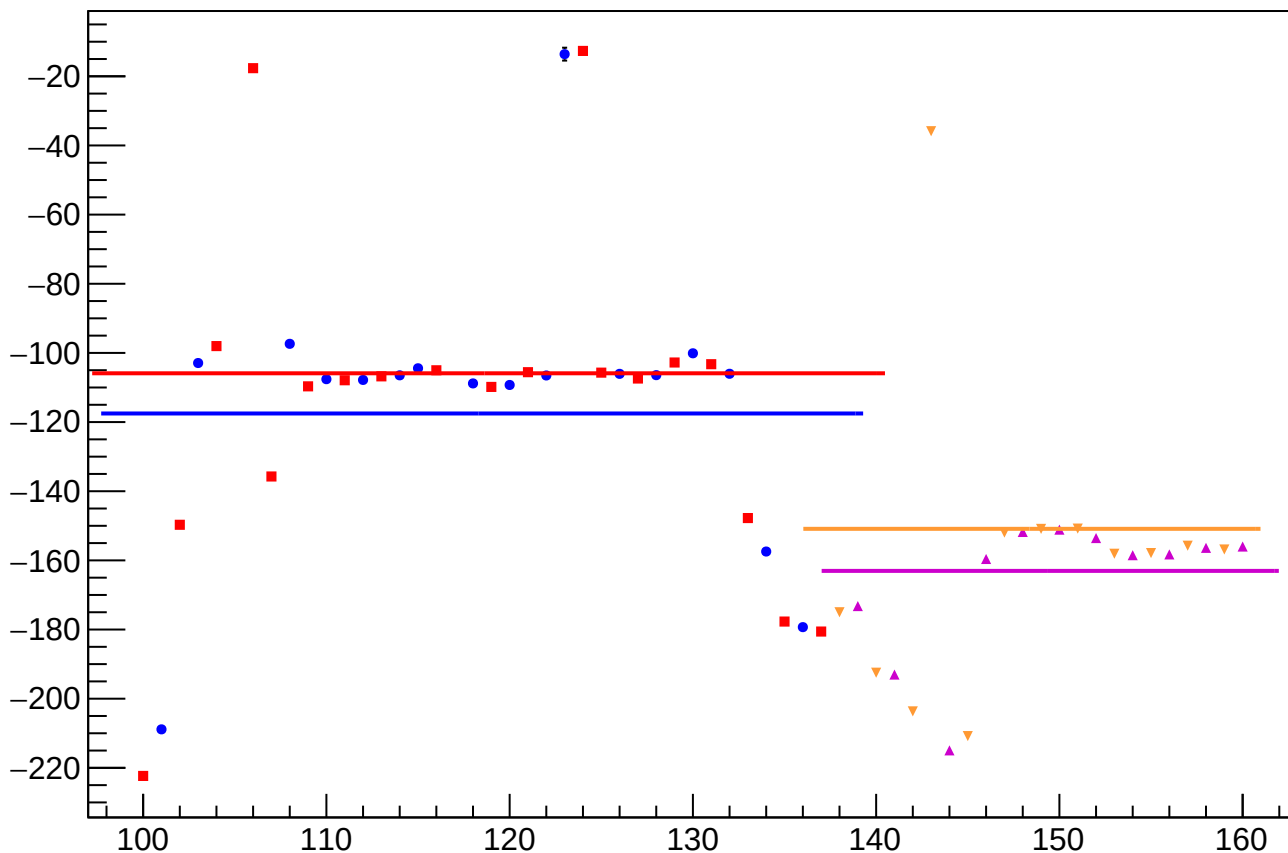
Right: 39.611 ± 0.881 $\chi^2/\text{NDF}: 1055.4/35$

In: 49.266 ± 0.950 $\chi^2/\text{NDF}: 834.3/27$

Out: 43.659 ± 0.925 $\chi^2/\text{NDF}: 914.4/30$

All: 46.388 ± 0.663 $\chi^2/\text{NDF}: 1766.6/58$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.516+/-0.078 χ^2/NDF : 142016.6/16

Left Out: -150.875+/-0.070 χ^2/NDF : 403223.4/11

Right Out: -105.892+/-0.073 χ^2/NDF : 324304.4/18

Left In: -163.039+/-0.070 χ^2/NDF : 57330.1/10

Left: -156.926+/-0.049 χ^2/NDF : 475654.9/22

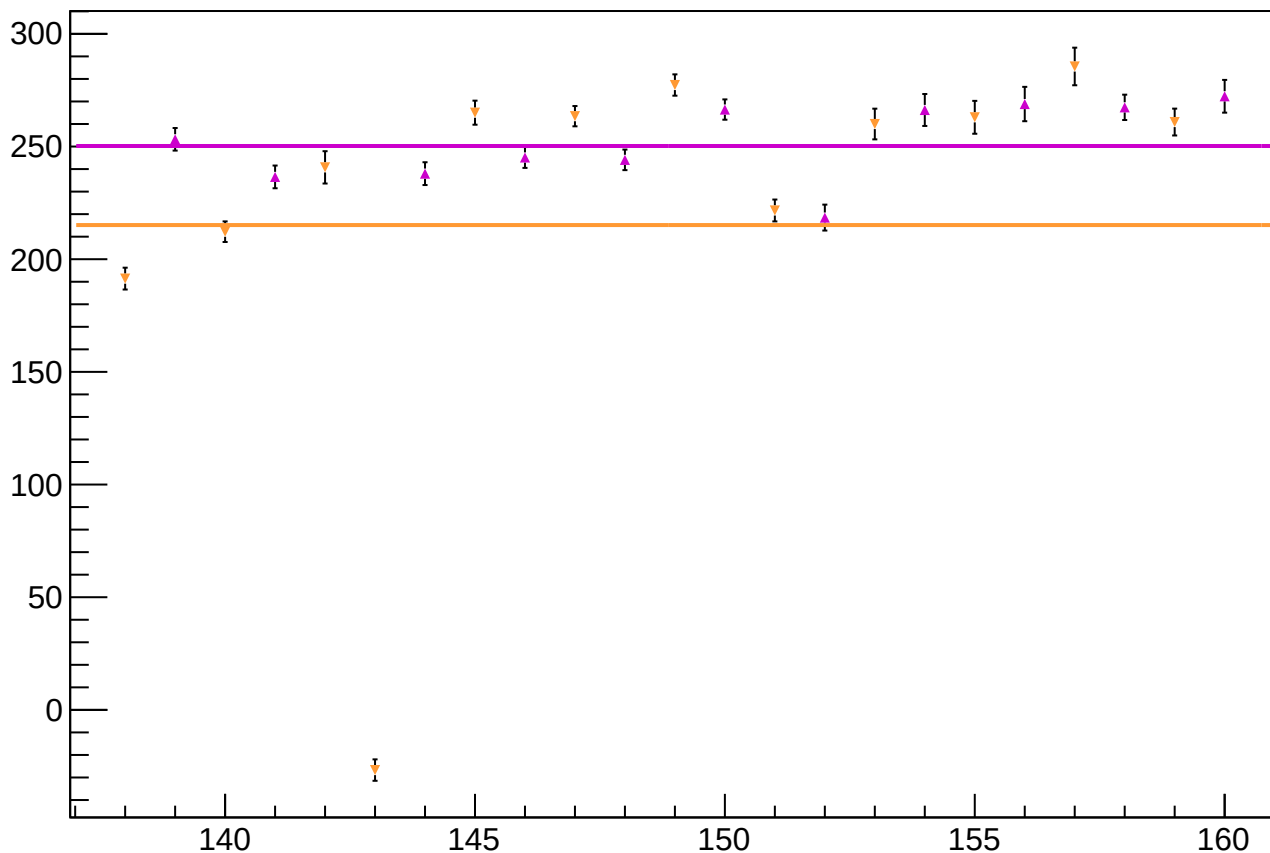
Right: -111.303+/-0.053 χ^2/NDF : 478188.8/35

In: -142.675+/-0.052 χ^2/NDF : 387593.9/27

Out: -129.323+/-0.050 χ^2/NDF : 926403.1/30

All: -135.768+/-0.036 χ^2/NDF : 1347885.2/58

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 215.155+/-1.564 χ^2/NDF :3218.5/11

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

Left In: 250.241+/-1.622 χ^2/NDF :89.6/10

Left: 232.066+/-1.126 χ^2/NDF : 3550.7/22

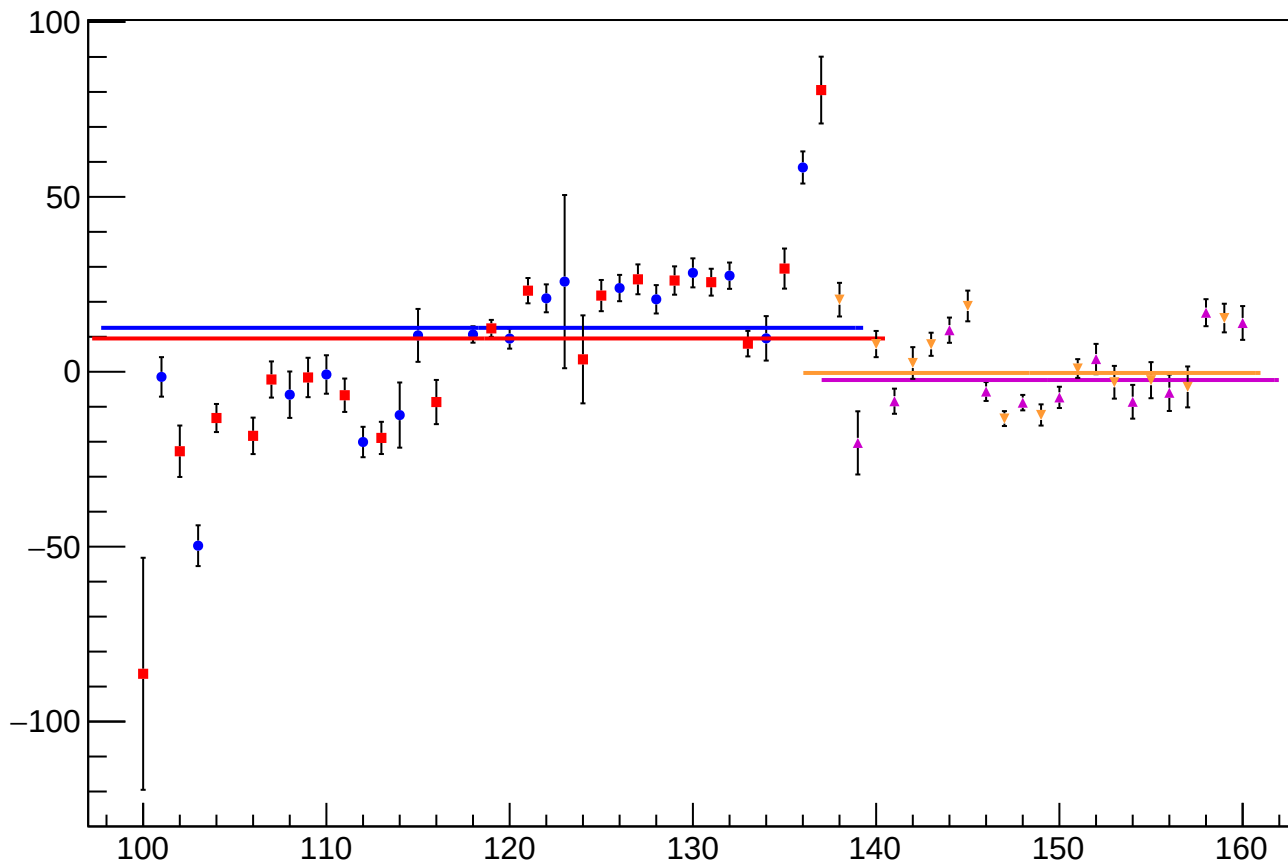
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 250.241+/-1.622 χ^2/NDF :89.6/10

Out: 215.155+/-1.564 χ^2/NDF :3218.5/11

All: 232.066+/-1.126 χ^2/NDF : 3550.7/22

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.561+/-1.056 χ^2/NDF : 347.7/16

Left Out: -0.339+/-1.028 χ^2/NDF : 118.4/11

Right Out: 9.519+/-1.051 χ^2/NDF : 296.2/18

Left In: -2.359+/-1.078 χ^2/NDF : 75.4/10

Left: -1.300+/-0.744 χ^2/NDF : 195.7/22

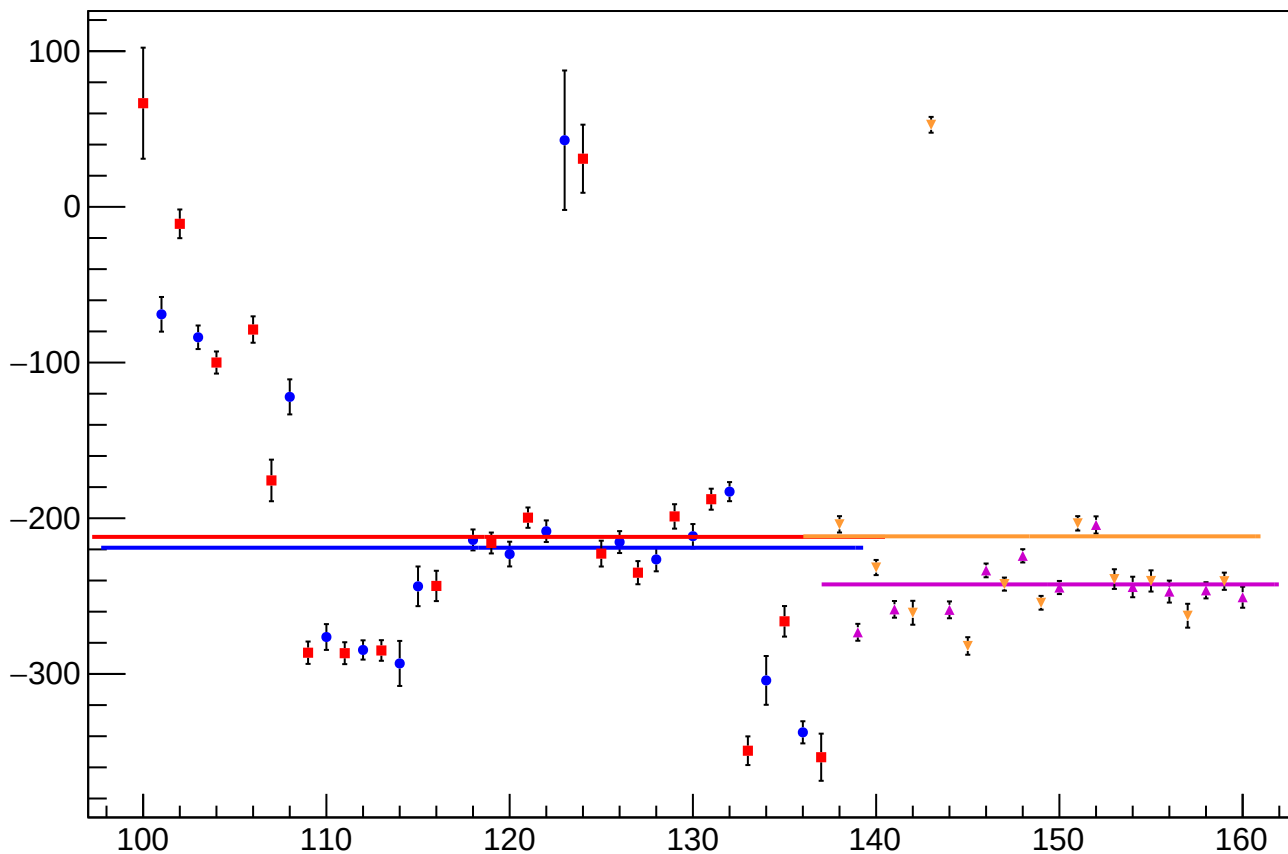
Right: 11.033+/-0.745 χ^2/NDF : 648.2/35

In: 5.261+/-0.754 χ^2/NDF : 520.9/27

Out: 4.481+/-0.735 χ^2/NDF : 459.7/30

All: 4.861+/-0.526 χ^2/NDF : 981.1/58

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.925 ± 2.006 χ^2/NDF : 1146.6/16

Left Out: -211.618 ± 1.549 χ^2/NDF : 3186.0/11

Right Out: -211.968 ± 1.924 χ^2/NDF : 1886.2/18

Left In: -242.486 ± 1.581 χ^2/NDF : 123.6/10

Left: -226.741 ± 1.106 χ^2/NDF : 3504.2/22

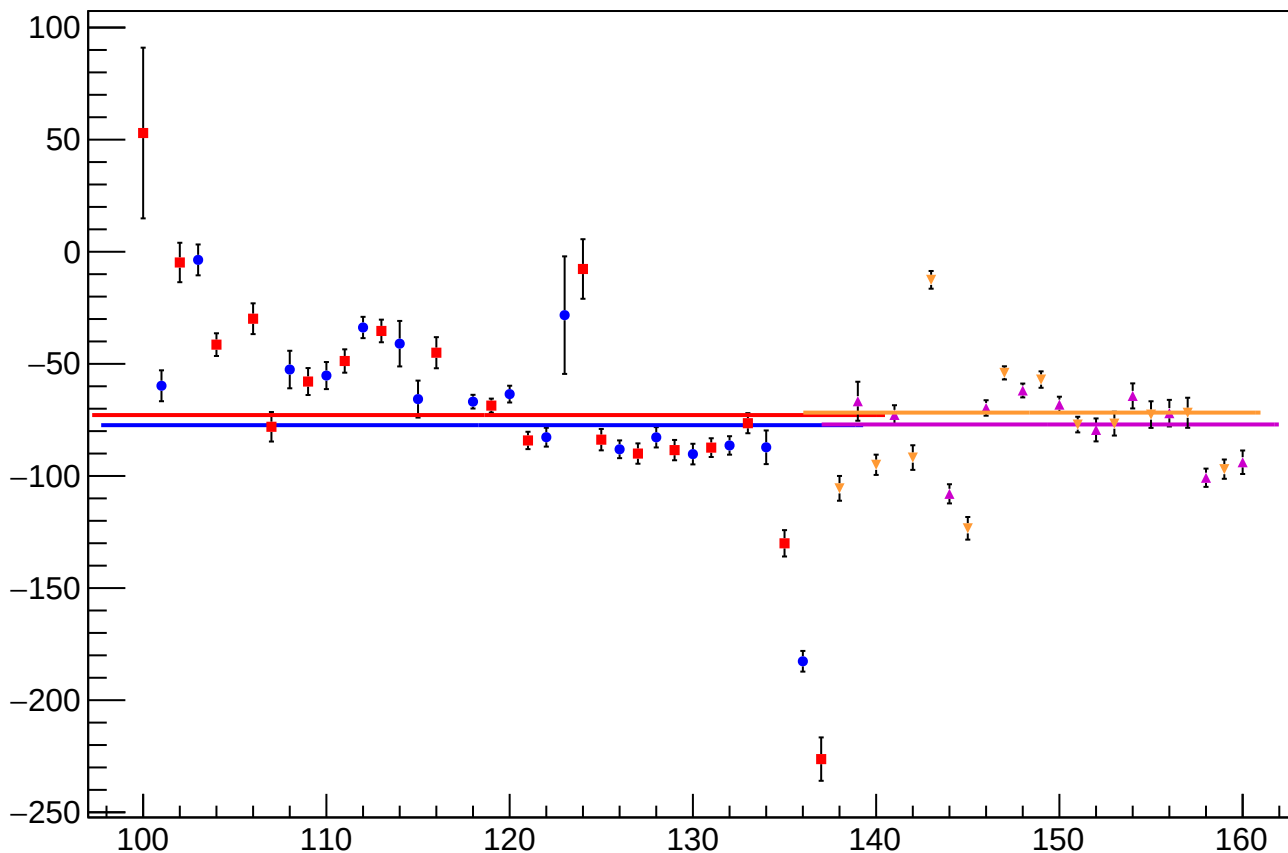
Right: -215.302 ± 1.389 χ^2/NDF : 3039.1/35

In: -233.460 ± 1.242 χ^2/NDF : 1355.4/27

Out: -211.756 ± 1.207 χ^2/NDF : 5072.2/30

All: -222.300 ± 0.865 χ^2/NDF : 6584.8/58

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.342 ± 1.219 χ^2/NDF : 817.2/16

Left Out: -71.738 ± 1.259 χ^2/NDF : 496.3/11

Right Out: -72.836 ± 1.209 χ^2/NDF : 672.9/18

Left In: -77.028 ± 1.307 χ^2/NDF : 140.1/10

Left: -74.285 ± 0.907 χ^2/NDF : 644.9/22

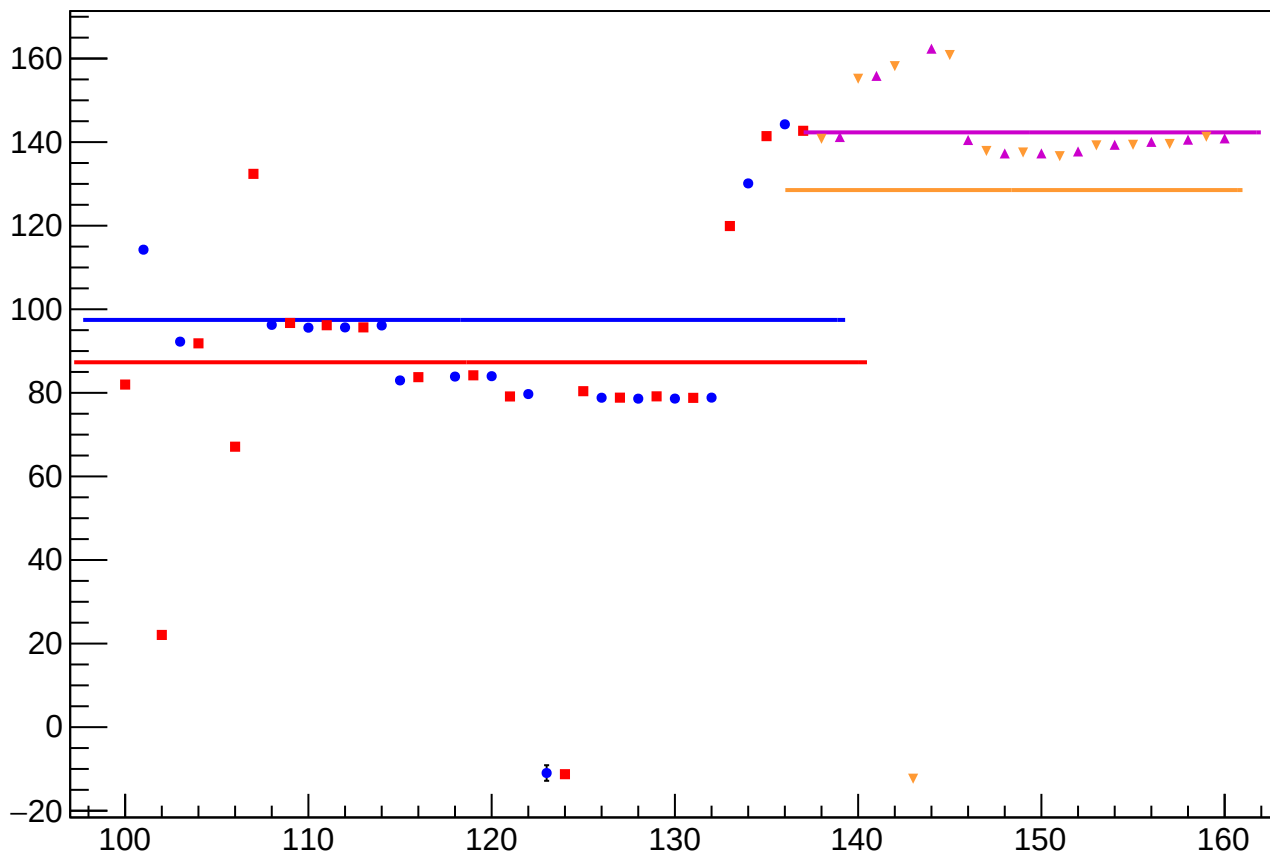
Right: -75.069 ± 0.858 χ^2/NDF : 1497.0/35

In: -77.196 ± 0.892 χ^2/NDF : 957.4/27

Out: -72.310 ± 0.872 χ^2/NDF : 1169.6/30

All: -74.698 ± 0.623 χ^2/NDF : 2142.3/58

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.452 $\pm$ 0.073 χ^2 /NDF: 94476.4/16

Left Out: 128.524 $\pm$ 0.063 χ^2 /NDF: 547016.2/11

Right Out: 87.315 $\pm$ 0.068 χ^2 /NDF: 221837.7/18

Left In: 142.328 $\pm$ 0.063 χ^2 /NDF: 13537.9/10

Left: 135.410 $\pm$ 0.044 χ^2 /NDF: 584845.1/22

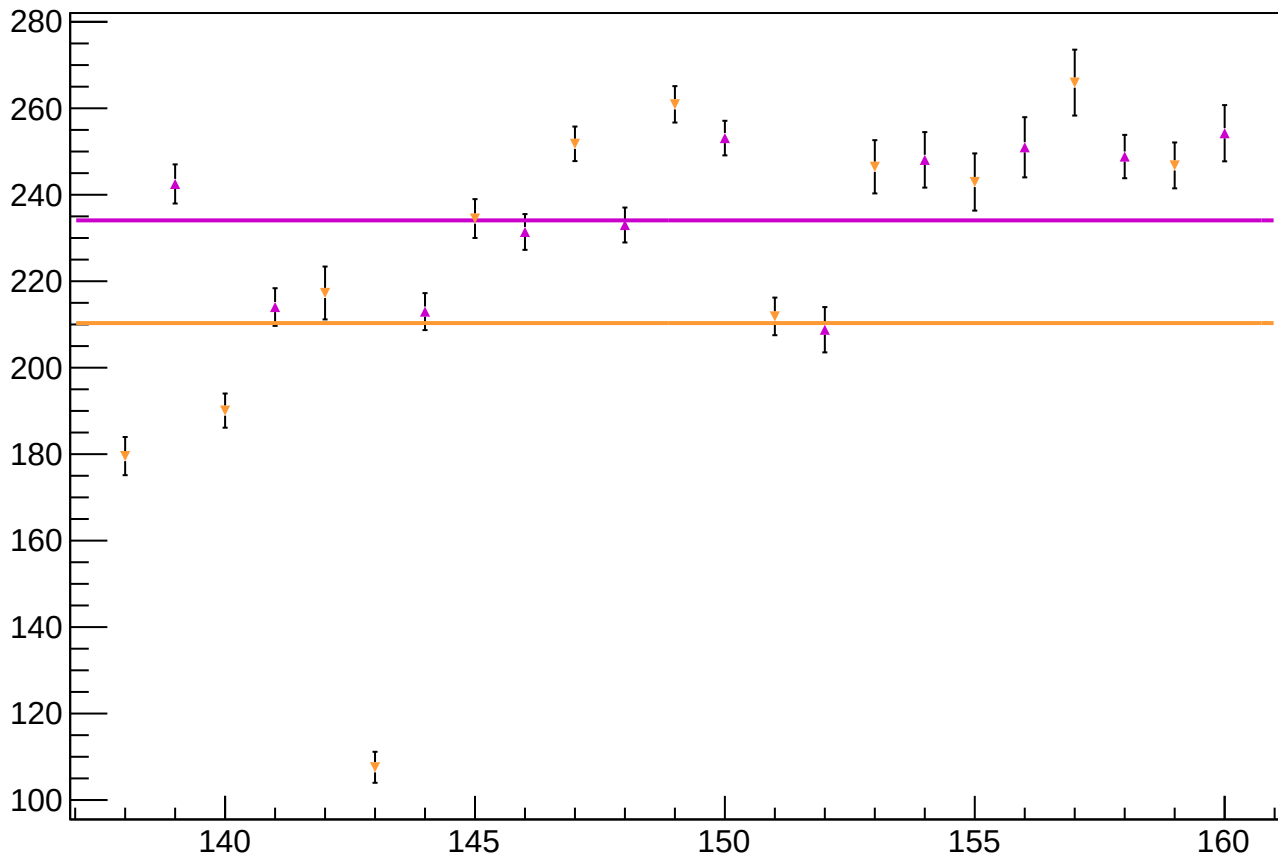
Right: 92.024 $\pm$ 0.050 χ^2 /NDF: 326563.7/35

In: 123.355 $\pm$ 0.048 χ^2 /NDF: 324576.5/27

Out: 109.707 $\pm$ 0.046 χ^2 /NDF: 967004.4/30

All: 116.309 $\pm$ 0.033 χ^2 /NDF: 1333959.1/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 210.319+/-1.357 χ^2/NDF :1338.0/11

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

Left In: 234.075+/-1.439 χ^2/NDF :124.3/10

Left: 221.501+/-0.987 χ^2/NDF : 1606.6/22

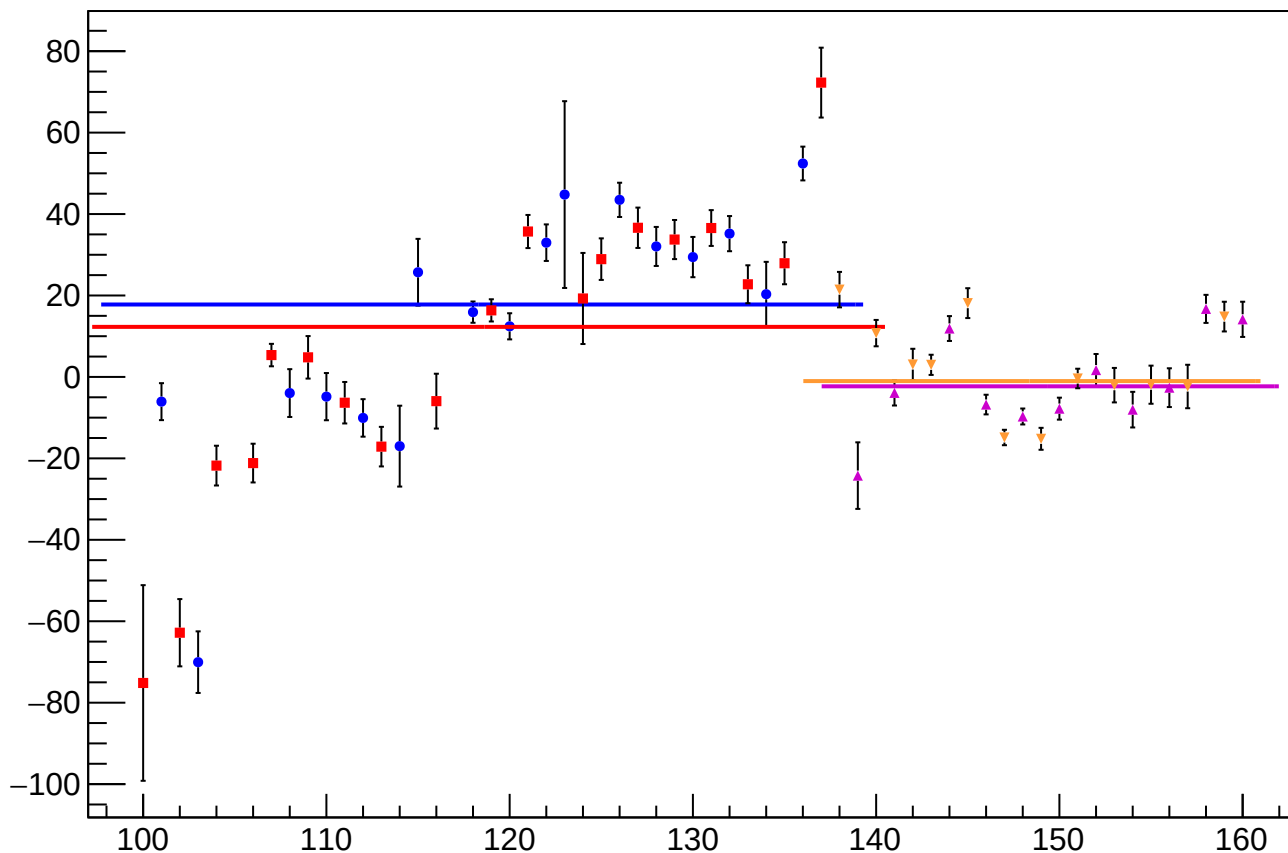
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 234.075+/-1.439 χ^2/NDF :124.3/10

Out: 210.319+/-1.357 χ^2/NDF :1338.0/11

All: 221.501+/-0.987 χ^2/NDF : 1606.6/22

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.786 ± 1.146 $\chi^2/\text{NDF}: 395.1/16$

Left Out: -1.021 ± 0.893 $\chi^2/\text{NDF}: 171.1/11$

Right Out: 12.294 ± 1.086 $\chi^2/\text{NDF}: 443.7/18$

Left In: -2.308 ± 0.956 $\chi^2/\text{NDF}: 98.7/10$

Left: -1.620 ± 0.652 $\chi^2/\text{NDF}: 270.7/22$

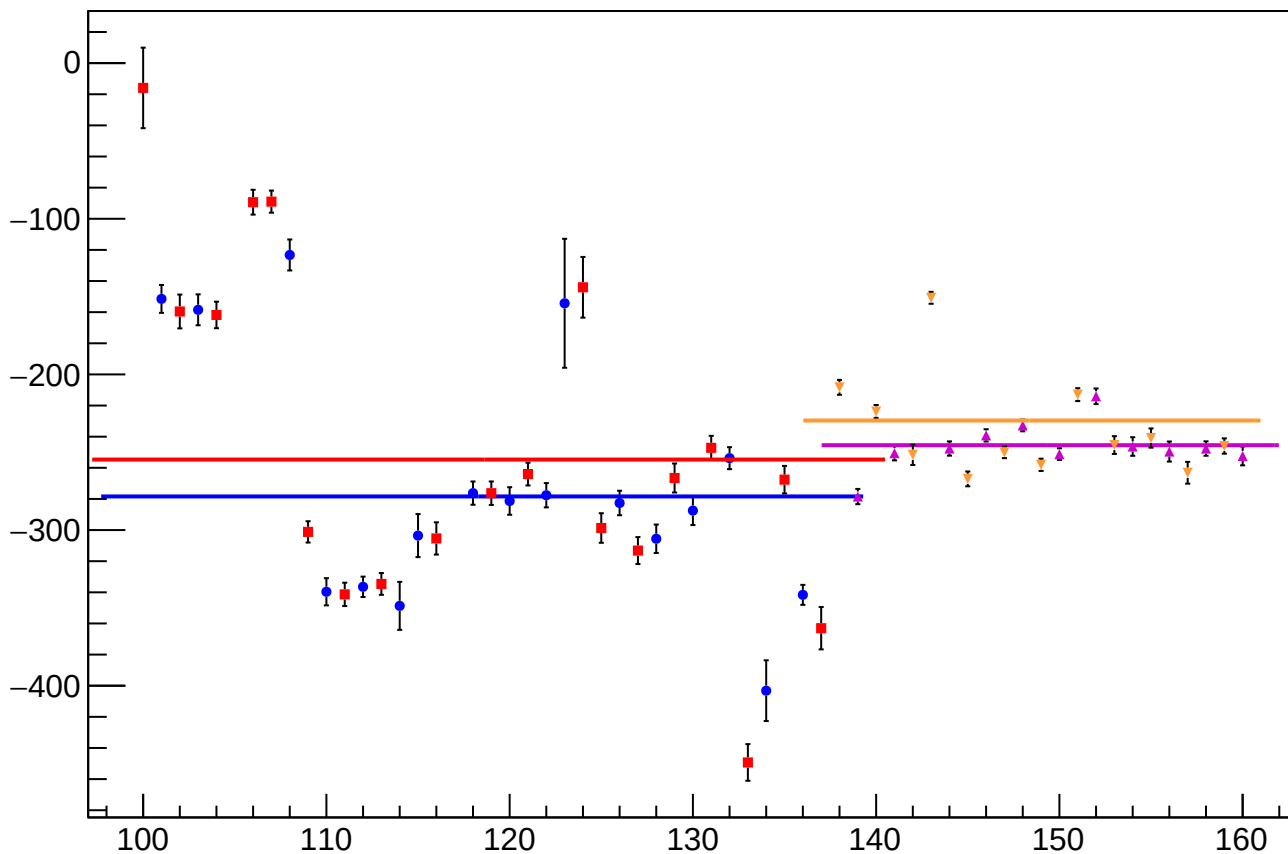
Right: 14.891 ± 0.788 $\chi^2/\text{NDF}: 850.9/35$

In: 5.932 ± 0.734 $\chi^2/\text{NDF}: 675.1/27$

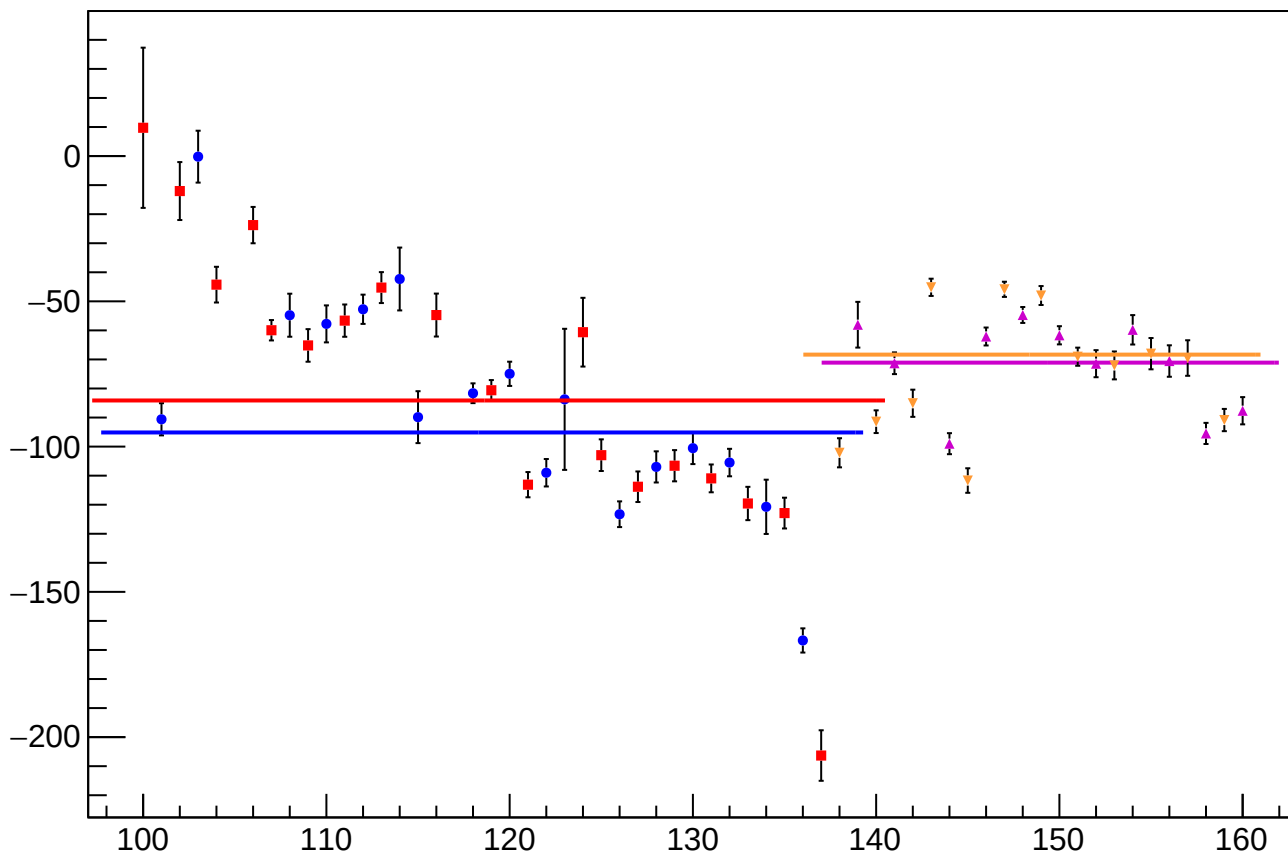
Out: 4.348 ± 0.690 $\chi^2/\text{NDF}: 704.5/30$

All: 5.090 ± 0.503 $\chi^2/\text{NDF}: 1382.1/58$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.135 ± 1.322 $\chi^2/\text{NDF}: 674.9/16$

Left Out: -68.340 ± 1.093 $\chi^2/\text{NDF}: 407.7/11$

Right Out: -84.124 ± 1.259 $\chi^2/\text{NDF}: 782.9/18$

Left In: -71.100 ± 1.159 $\chi^2/\text{NDF}: 178.0/10$

Left: -69.640 ± 0.795 $\chi^2/\text{NDF}: 588.7/22$

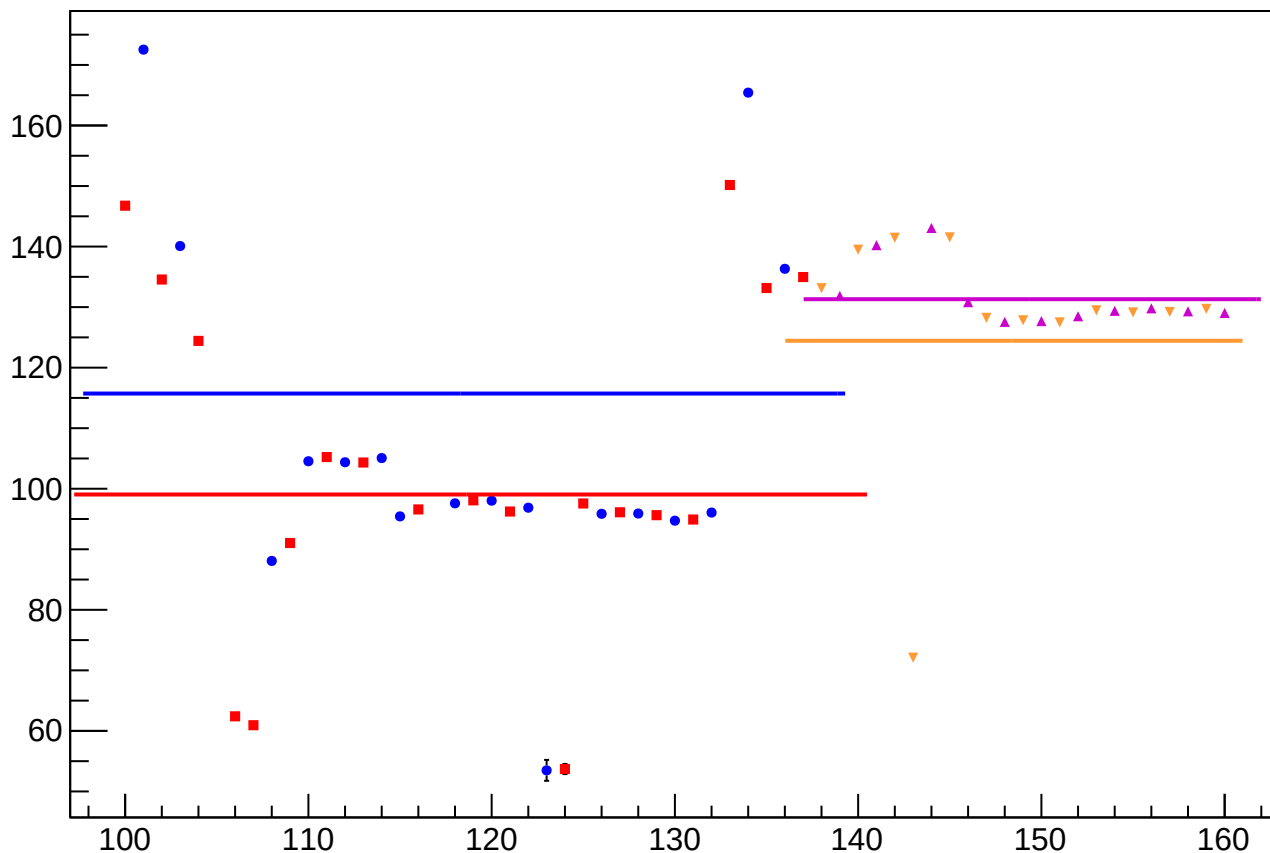
Right: -89.357 ± 0.912 $\chi^2/\text{NDF}: 1494.2/35$

In: -81.538 ± 0.872 $\chi^2/\text{NDF}: 1039.8/27$

Out: -75.127 ± 0.825 $\chi^2/\text{NDF}: 1280.2/30$

All: -78.158 ± 0.599 $\chi^2/\text{NDF}: 2348.5/58$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.724 $\pm$ 0.078 χ^2 /NDF: 106388.1/16

Left Out: 124.440 $\pm$ 0.055 χ^2 /NDF:141235.1/11

Right Out: 99.049 $\pm$ 0.069 χ^2 /NDF: 173463.3/18

Left In: 131.305 $\pm$ 0.056 χ^2 /NDF:7384.0/10

Left: 127.794 $\pm$ 0.039 χ^2 /NDF: 156348.4/22

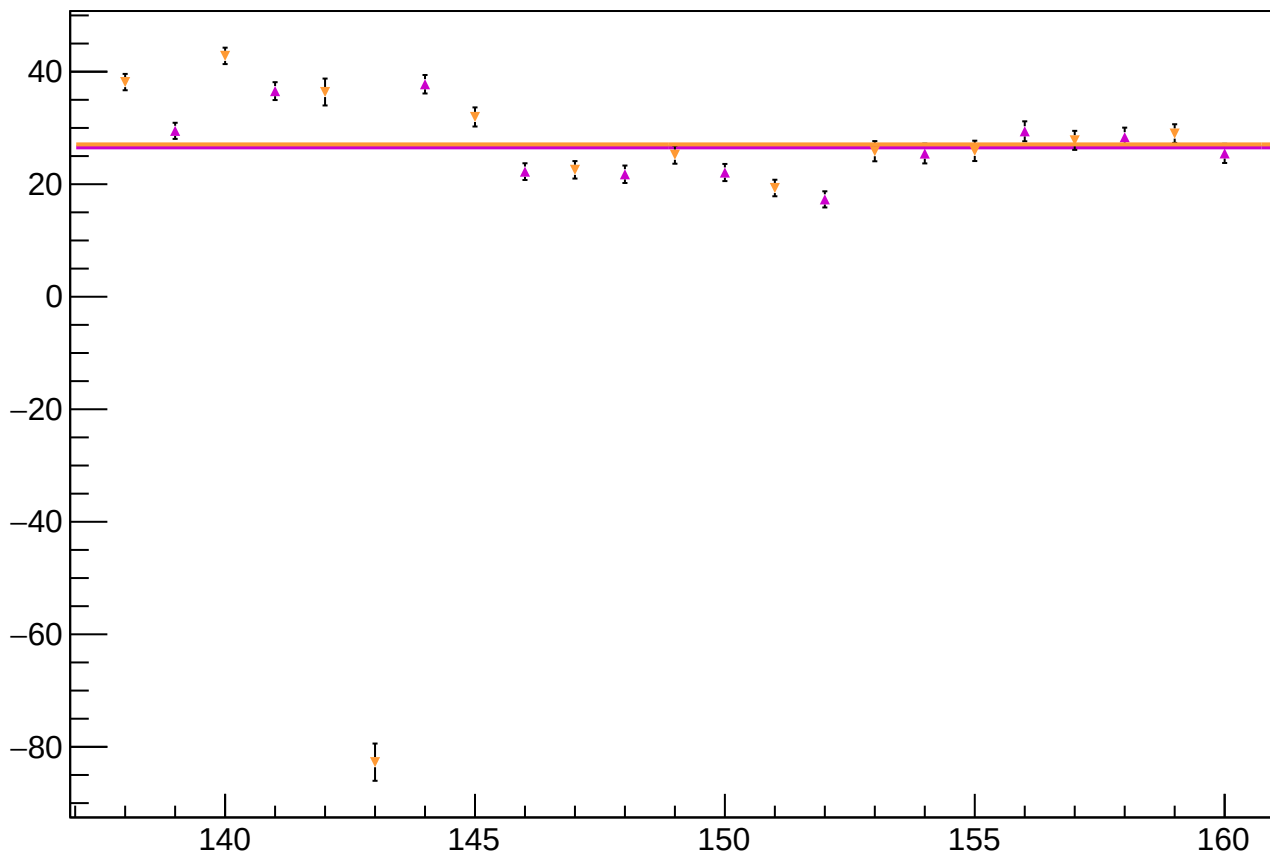
Right: 106.312 $\pm$ 0.051 χ^2 /NDF: 305658.4/35

In: 126.023 $\pm$ 0.045 χ^2 /NDF:140163.0/27

Out: 114.580 $\pm$ 0.043 χ^2 /NDF:398730.7/30

All: 119.949 $\pm$ 0.031 χ^2 /NDF: 572609.4/58

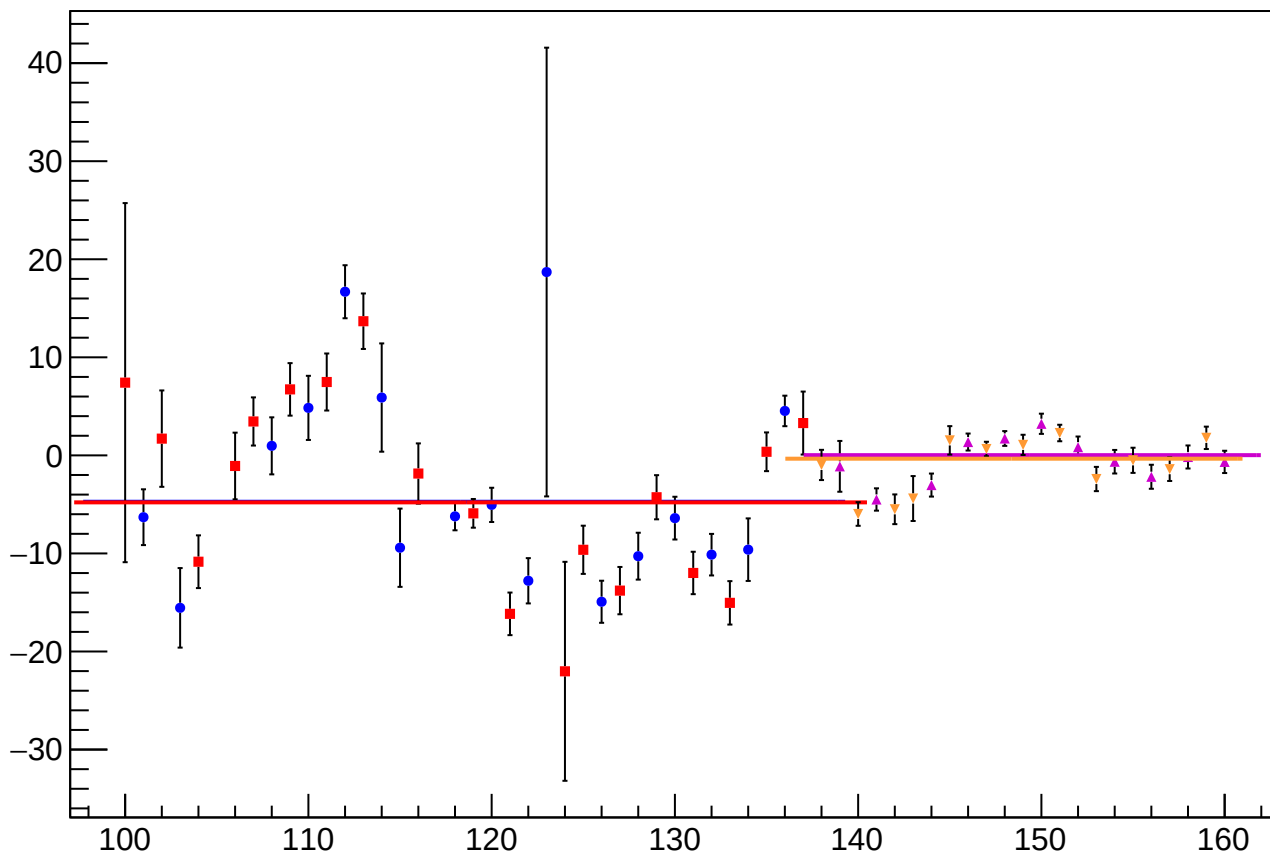
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 27.076+/-0.491 χ^2/NDF :1337.9/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 26.550+/-0.478 χ^2/NDF :163.0/10

Left: 26.806+/-0.342 χ^2/NDF : 1501.5/22
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 26.550+/-0.478 χ^2/NDF :163.0/10
 Out: 27.076+/-0.491 χ^2/NDF :1337.9/11
 All: 26.806+/-0.342 χ^2/NDF : 1501.5/22

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.730 ± 0.580 χ^2/NDF : 174.8/16

Left Out: -0.339 ± 0.331 χ^2/NDF : 58.9/11

Right Out: -4.793 ± 0.586 χ^2/NDF : 193.5/18

Left In: 0.023 ± 0.326 χ^2/NDF : 44.3/10

Left: -0.156 ± 0.232 χ^2/NDF : 103.9/22

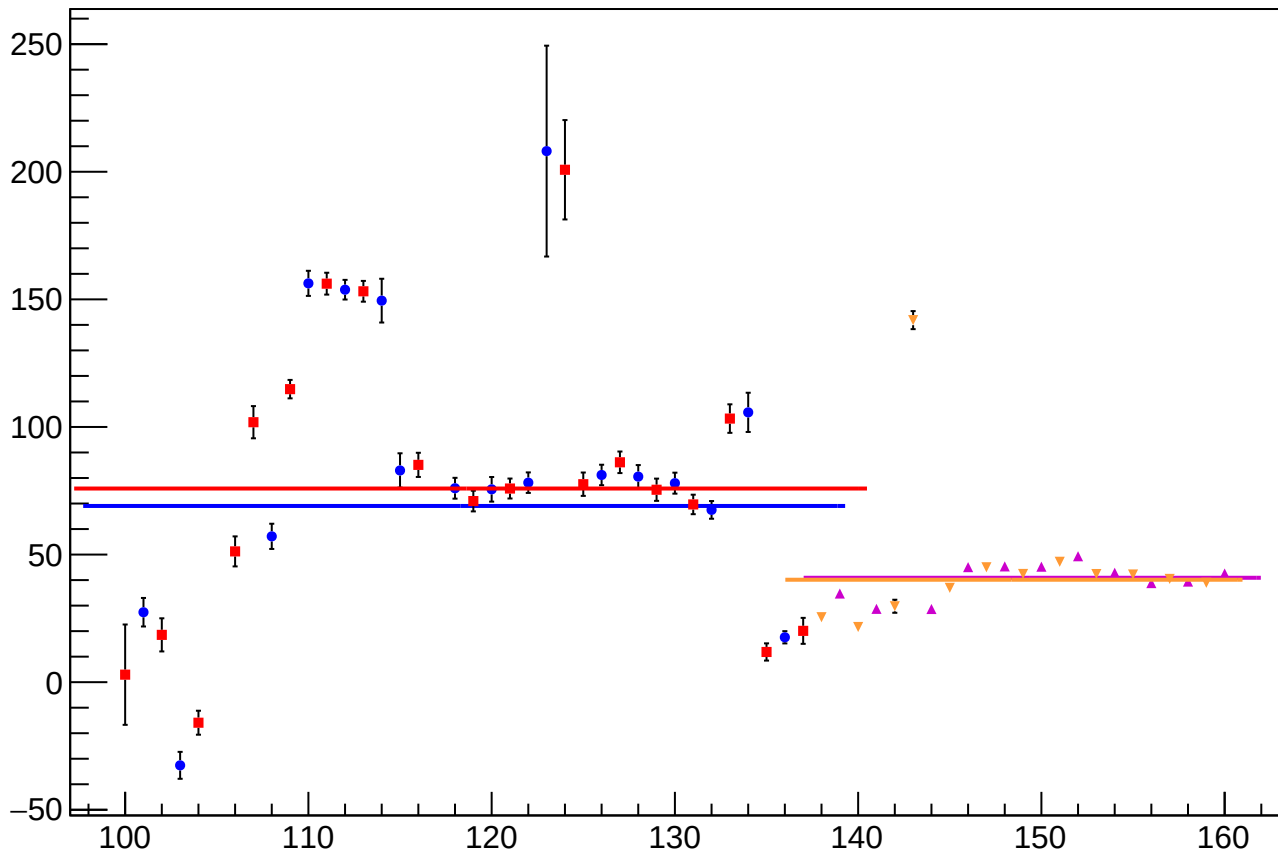
Right: -4.761 ± 0.412 χ^2/NDF : 368.3/35

In: -1.122 ± 0.284 χ^2/NDF : 270.2/27

Out: -1.417 ± 0.288 χ^2/NDF : 296.2/30

All: -1.268 ± 0.202 χ^2/NDF : 567.0/58

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.048 $\pm$ 1.077 χ^2 /NDF: 1847.9/16

Left Out: 40.140 $\pm$ 0.480 χ^2 /NDF:1119.8/11

Right Out: 75.878 $\pm$ 1.069 χ^2 /NDF: 1895.0/18

Left In: 40.910 $\pm$ 0.465 χ^2 /NDF:186.4/10

Left: 40.537 $\pm$ 0.334 χ^2 /NDF: 1307.5/22

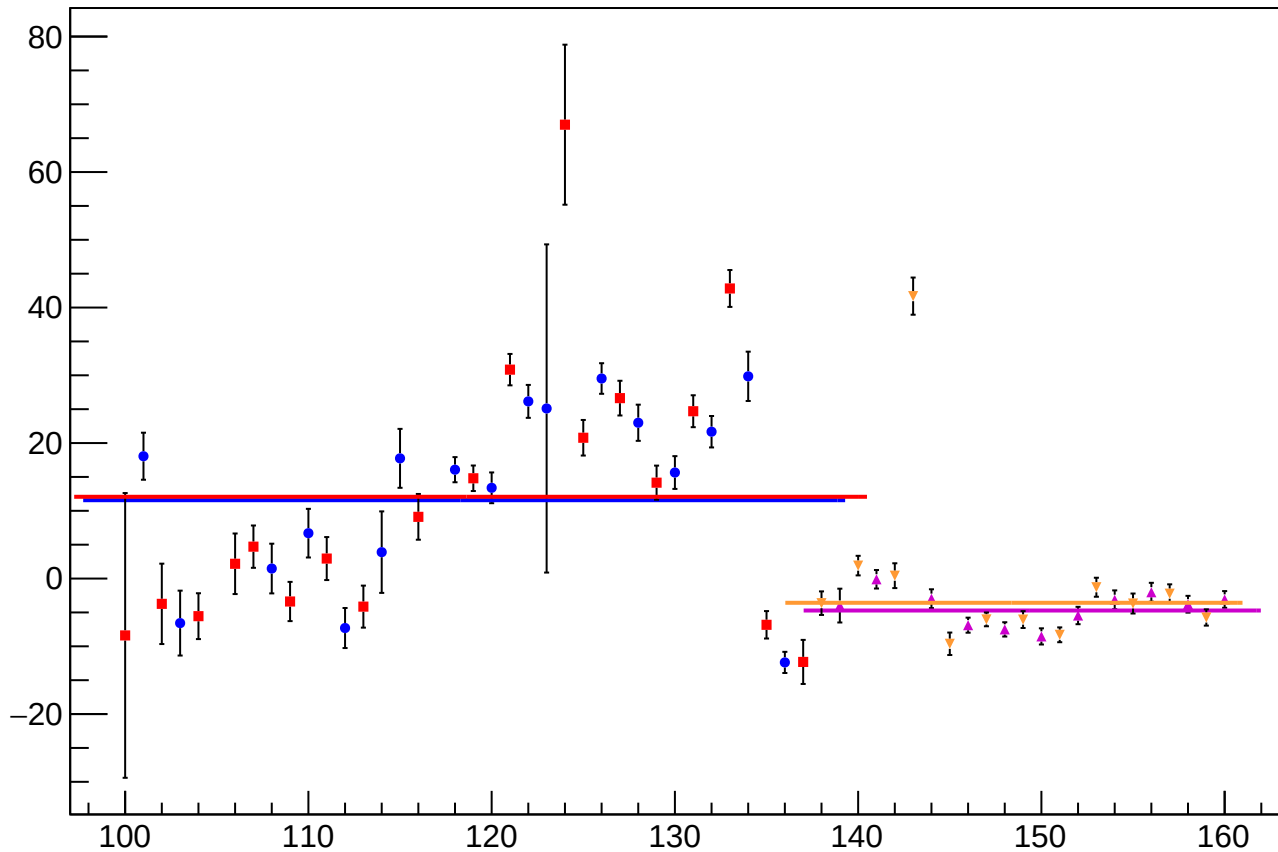
Right: 72.486 $\pm$ 0.759 χ^2 /NDF: 3763.1/35

In: 45.330 $\pm$ 0.427 χ^2 /NDF:2609.9/27

Out: 46.131 $\pm$ 0.438 χ^2 /NDF:3944.2/30

All: 45.720 $\pm$ 0.306 χ^2 /NDF: 6555.9/58

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.565+/-0.658 χ^2/NDF : 478.2/16

Left Out: -3.575+/-0.400 χ^2/NDF : 340.2/11

Right Out: 12.071+/-0.665 χ^2/NDF : 543.3/18

Left In: -4.716+/-0.390 χ^2/NDF : 41.8/10

Left: -4.160+/-0.279 χ^2/NDF : 386.1/22

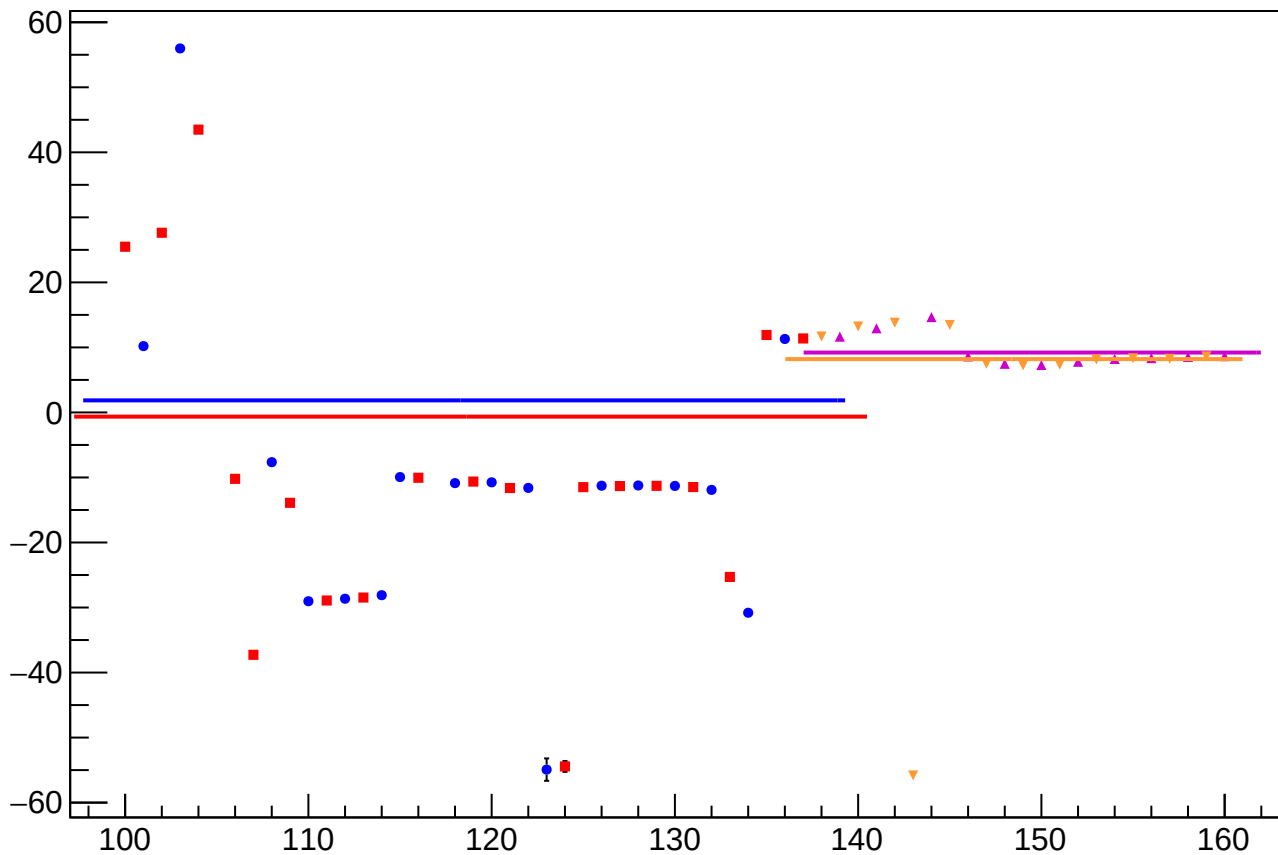
Right: 11.816+/-0.468 χ^2/NDF : 1021.8/35

In: -0.488+/-0.335 χ^2/NDF : 972.9/27

Out: 0.589+/-0.343 χ^2/NDF : 1290.3/30

All: 0.039+/-0.240 χ^2/NDF : 2268.2/58

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.855 $\pm$ 0.037 χ^2/NDF : 359414.1/16

Left Out: 8.202 $\pm$ 0.019 χ^2/NDF :222503.9/11

Right Out: -0.644 $\pm$ 0.037 χ^2/NDF : 361625.7/18

Left In: 9.211 $\pm$ 0.018 χ^2/NDF :13347.5/10

Left: 8.727 $\pm$ 0.013 χ^2/NDF : 237349.9/22

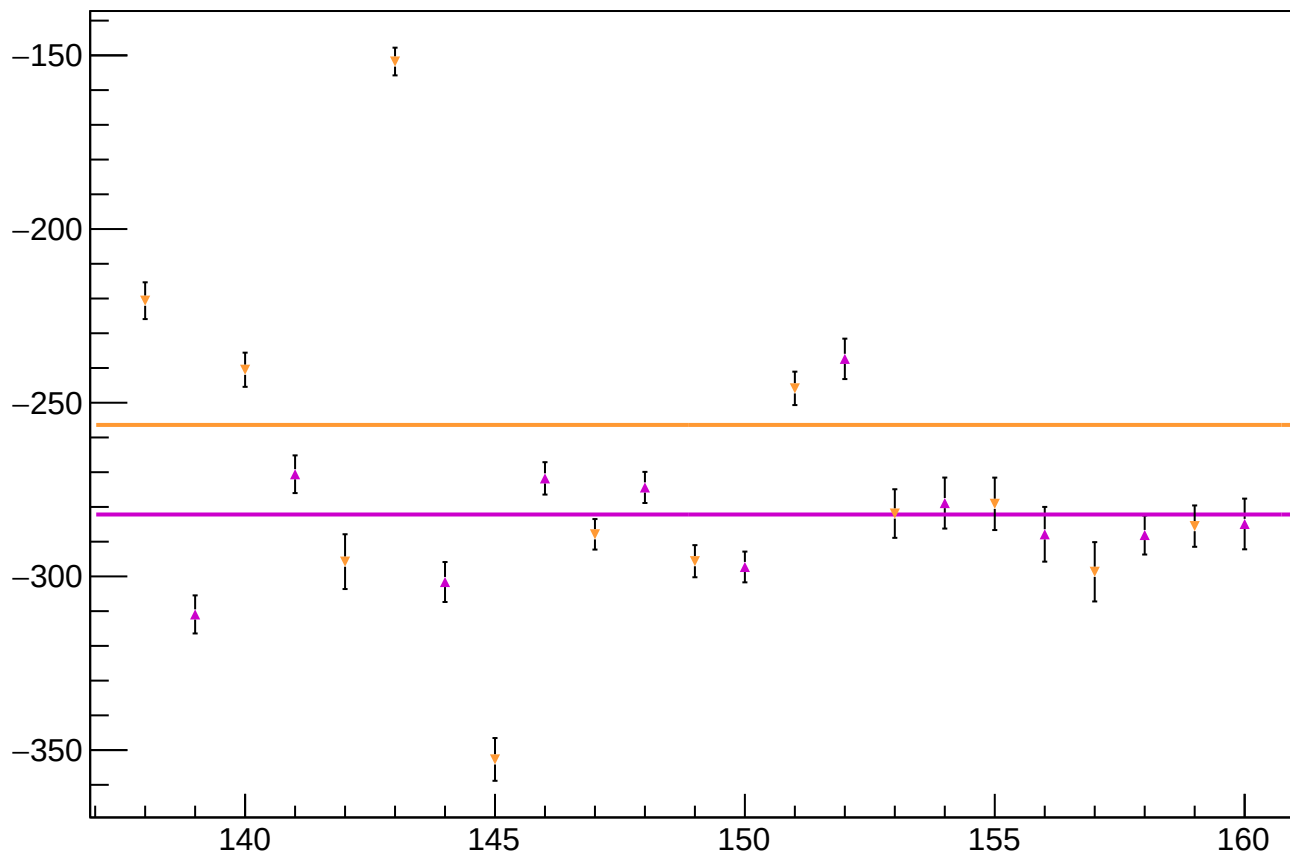
Right: 0.608 $\pm$ 0.026 χ^2/NDF : 723318.4/35

In: 7.797 $\pm$ 0.016 χ^2/NDF :404689.5/27

Out: 6.391 $\pm$ 0.017 χ^2/NDF :629463.4/30

All: 7.117 $\pm$ 0.012 χ^2/NDF : 1037784.6/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -256.390+/-1.573 χ^2/NDF :1212.2/11

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

Left In: -282.177+/-1.669 χ^2/NDF :124.5/10

Left: -268.522+/-1.145 χ^2/NDF : 1463.1/22

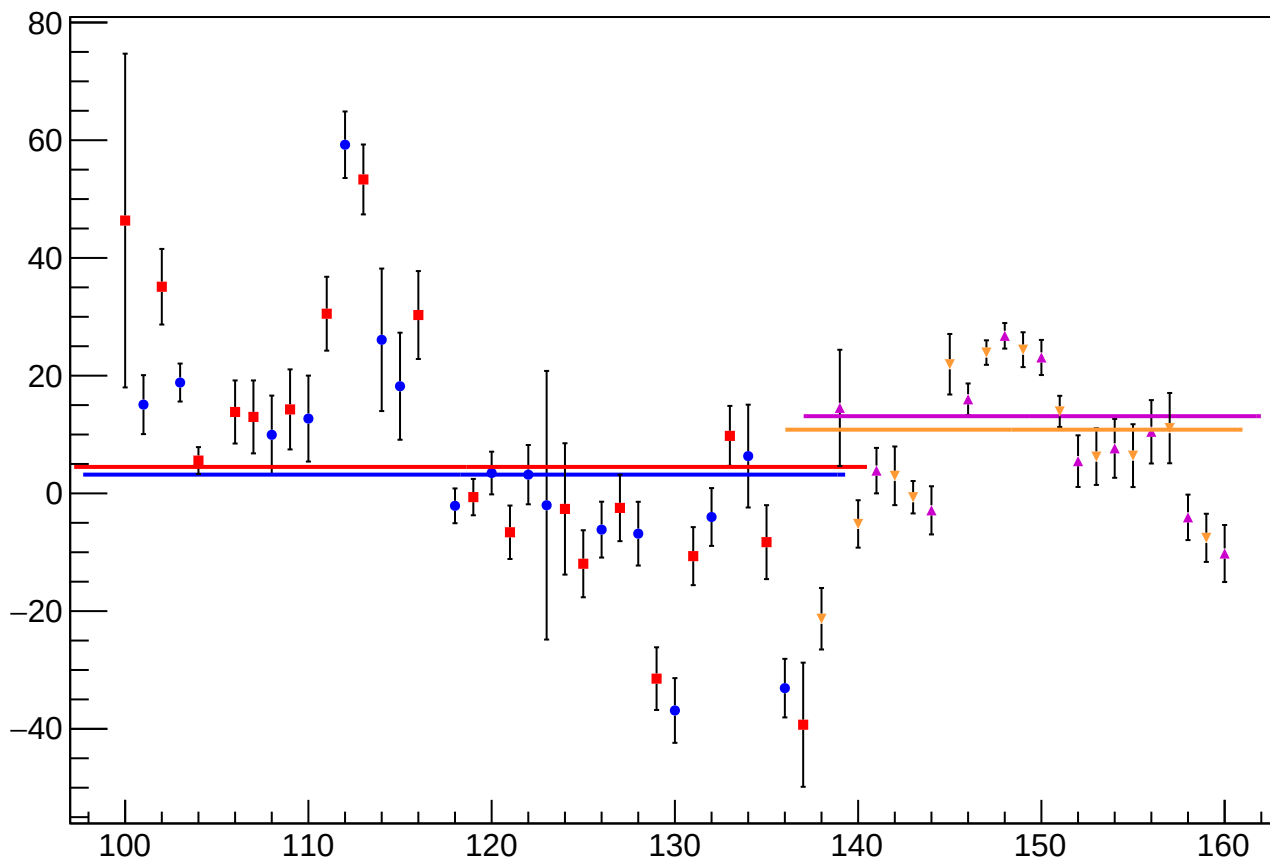
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -282.177+/-1.669 χ^2/NDF :124.5/10

Out: -256.390+/-1.573 χ^2/NDF :1212.2/11

All: -268.522+/-1.145 χ^2/NDF : 1463.1/22

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.188 ± 1.225 $\chi^2/\text{NDF}: 255.6/16$

Left Out: 10.824 ± 1.019 $\chi^2/\text{NDF}: 161.9/11$

Right Out: 4.497 ± 1.160 $\chi^2/\text{NDF}: 225.4/18$

Left In: 13.117 ± 1.094 $\chi^2/\text{NDF}: 120.3/10$

Left: 11.890 ± 0.746 $\chi^2/\text{NDF}: 284.6/22$

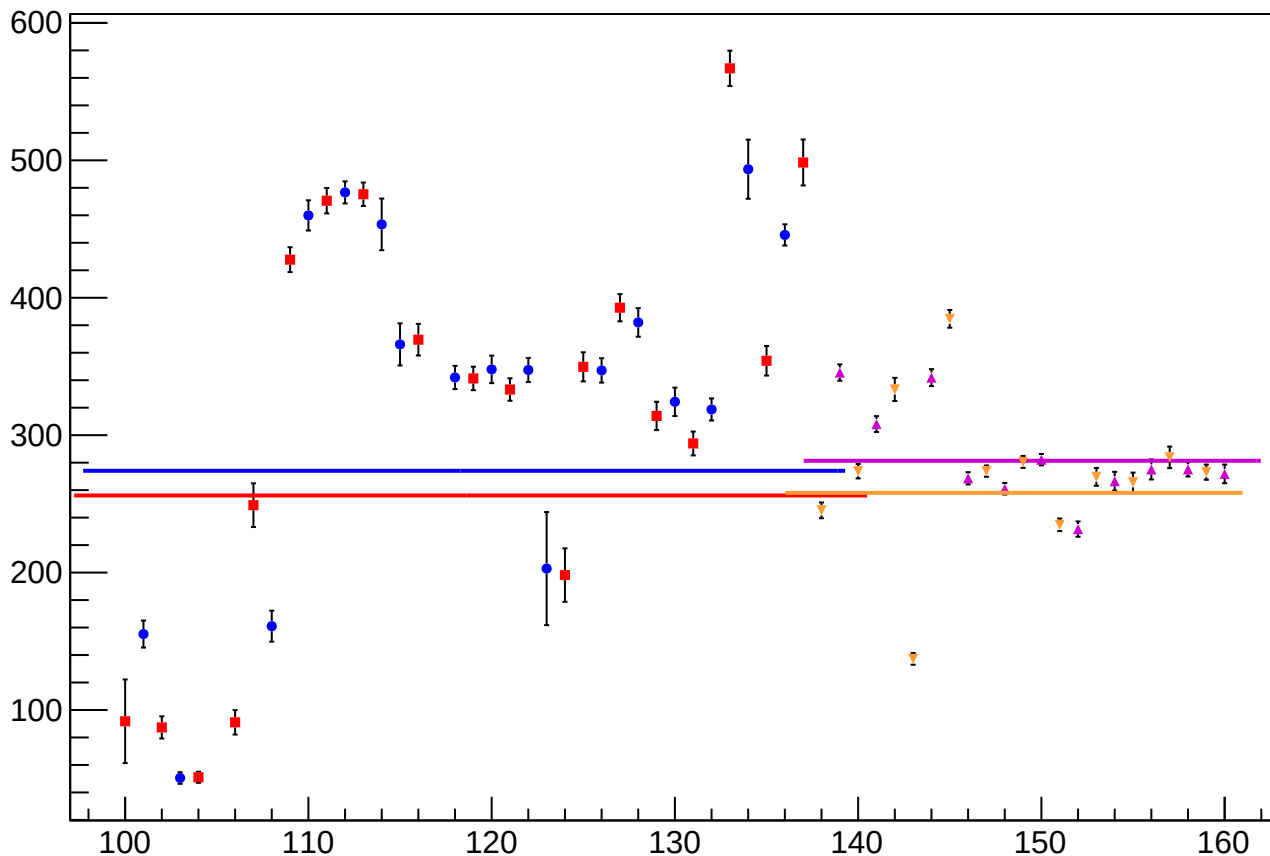
Right: 3.879 ± 0.842 $\chi^2/\text{NDF}: 481.7/35$

In: 8.713 ± 0.816 $\chi^2/\text{NDF}: 412.5/27$

Out: 8.066 ± 0.766 $\chi^2/\text{NDF}: 404.1/30$

All: 8.369 ± 0.558 $\chi^2/\text{NDF}: 817.0/58$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 274.079+/-2.191 χ^2/NDF : 5112.0/16

Left Out: 258.022+/-1.555 χ^2/NDF :1373.7/11

Right Out: 256.109+/-2.080 χ^2/NDF : 6444.1/18

Left In: 281.348+/-1.619 χ^2/NDF :355.5/10

Left: 269.218+/-1.122 χ^2/NDF : 1837.1/22

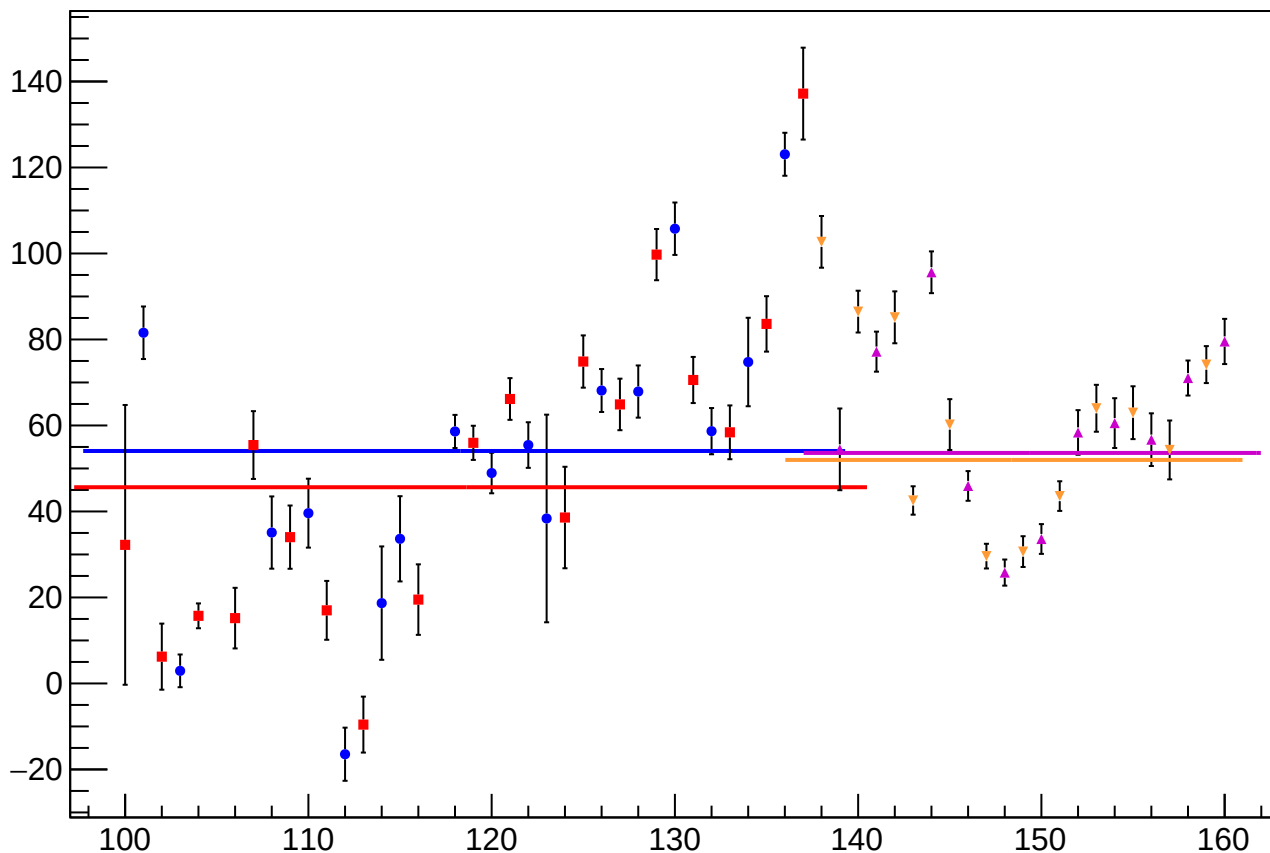
Right: 264.628+/-1.509 χ^2/NDF : 11591.4/35

In: 278.781+/-1.302 χ^2/NDF :5474.6/27

Out: 257.336+/-1.246 χ^2/NDF :7818.3/30

All: 267.584+/-0.900 χ^2/NDF : 13434.5/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.065 $\pm$ 1.421 χ^2 /NDF: 634.4/16

Left Out: 51.984 $\pm$ 1.253 χ^2 /NDF:298.6/11

Right Out: 45.637 $\pm$ 1.359 χ^2 /NDF: 530.8/18

Left In: 53.612 $\pm$ 1.330 χ^2 /NDF:267.9/10

Left: 52.750 $\pm$ 0.912 χ^2 /NDF: 567.3/22

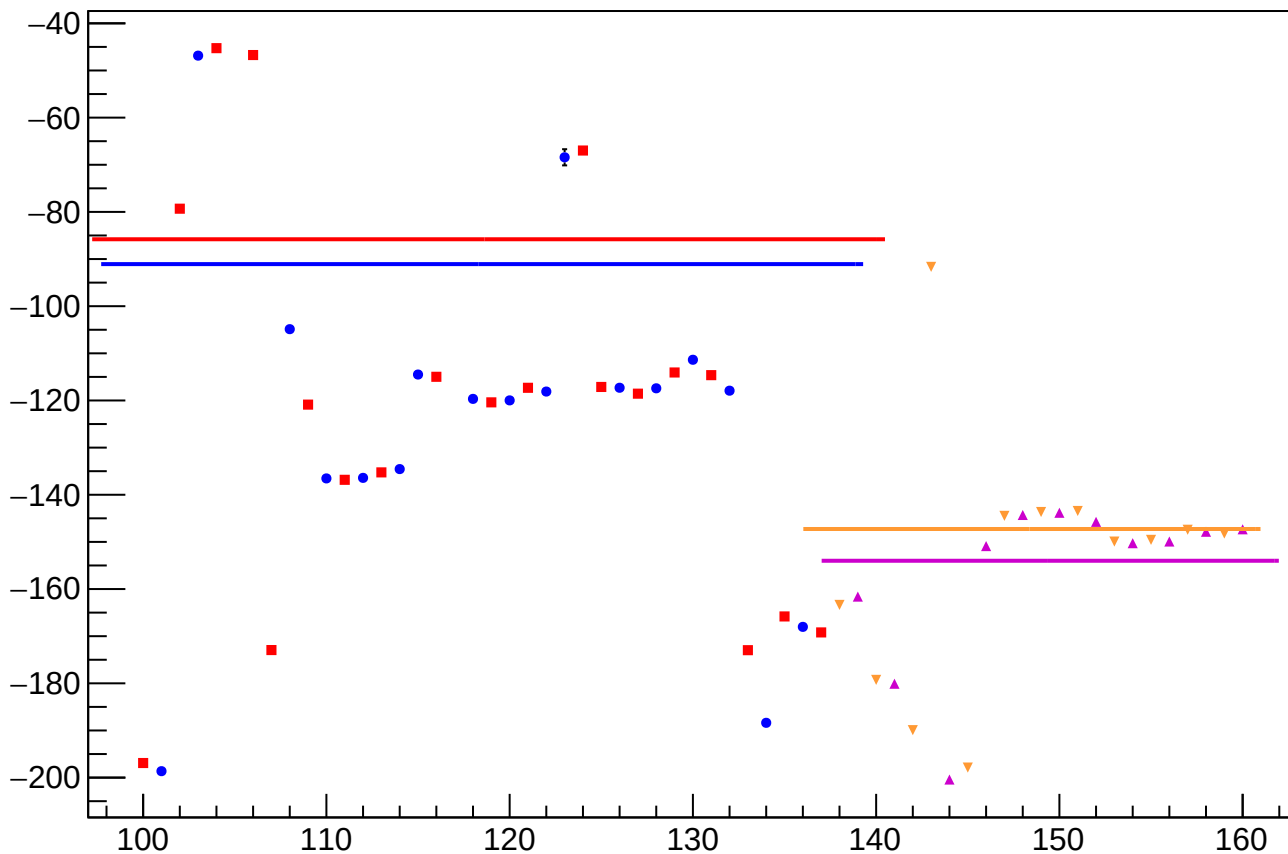
Right: 49.665 $\pm$ 0.982 χ^2 /NDF: 1183.6/35

In: 53.824 $\pm$ 0.971 χ^2 /NDF:902.3/27

Out: 49.068 $\pm$ 0.921 χ^2 /NDF:841.2/30

All: 51.321 $\pm$ 0.668 χ^2 /NDF: 1756.2/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.074 ± 0.068 $\chi^2/\text{NDF}: 534647.5/16$

Left Out: -147.262 ± 0.063 $\chi^2/\text{NDF}: 186798.1/11$

Right Out: -85.803 ± 0.065 $\chi^2/\text{NDF}: 495895.1/18$

Left In: -154.000 ± 0.064 $\chi^2/\text{NDF}: 53661.8/10$

Left: -150.560 ± 0.045 $\chi^2/\text{NDF}: 246057.4/22$

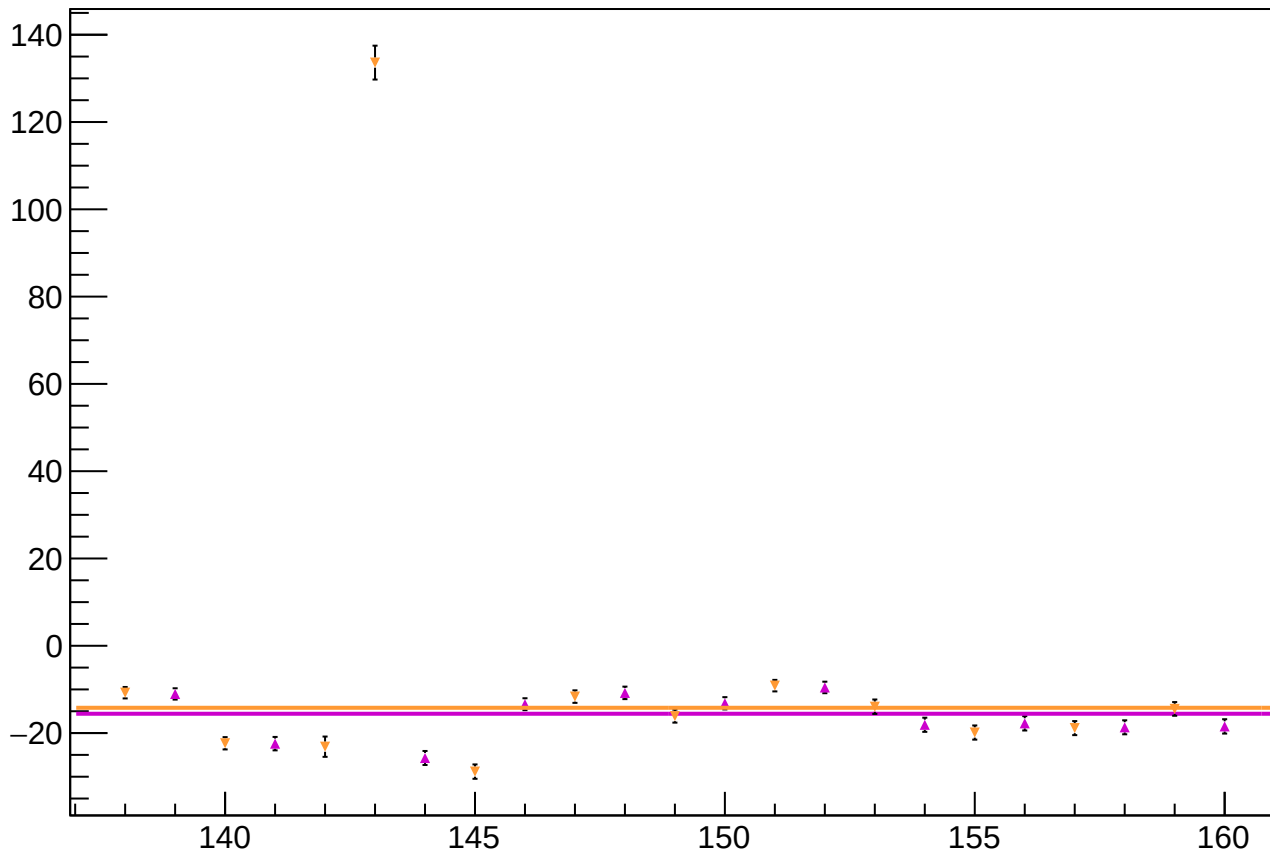
Right: -88.339 ± 0.047 $\chi^2/\text{NDF}: 1033703.0/35$

In: -124.058 ± 0.047 $\chi^2/\text{NDF}: 1043451.3/27$

Out: -117.511 ± 0.045 $\chi^2/\text{NDF}: 1143348.5/30$

All: -120.690 ± 0.032 $\chi^2/\text{NDF}: 2196963.6/58$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.205+/-0.459 χ^2/NDF :1624.5/11

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

Left In: -15.574+/-0.447 χ^2/NDF :120.3/10

Left: -14.908+/-0.320 χ^2/NDF : 1749.4/22

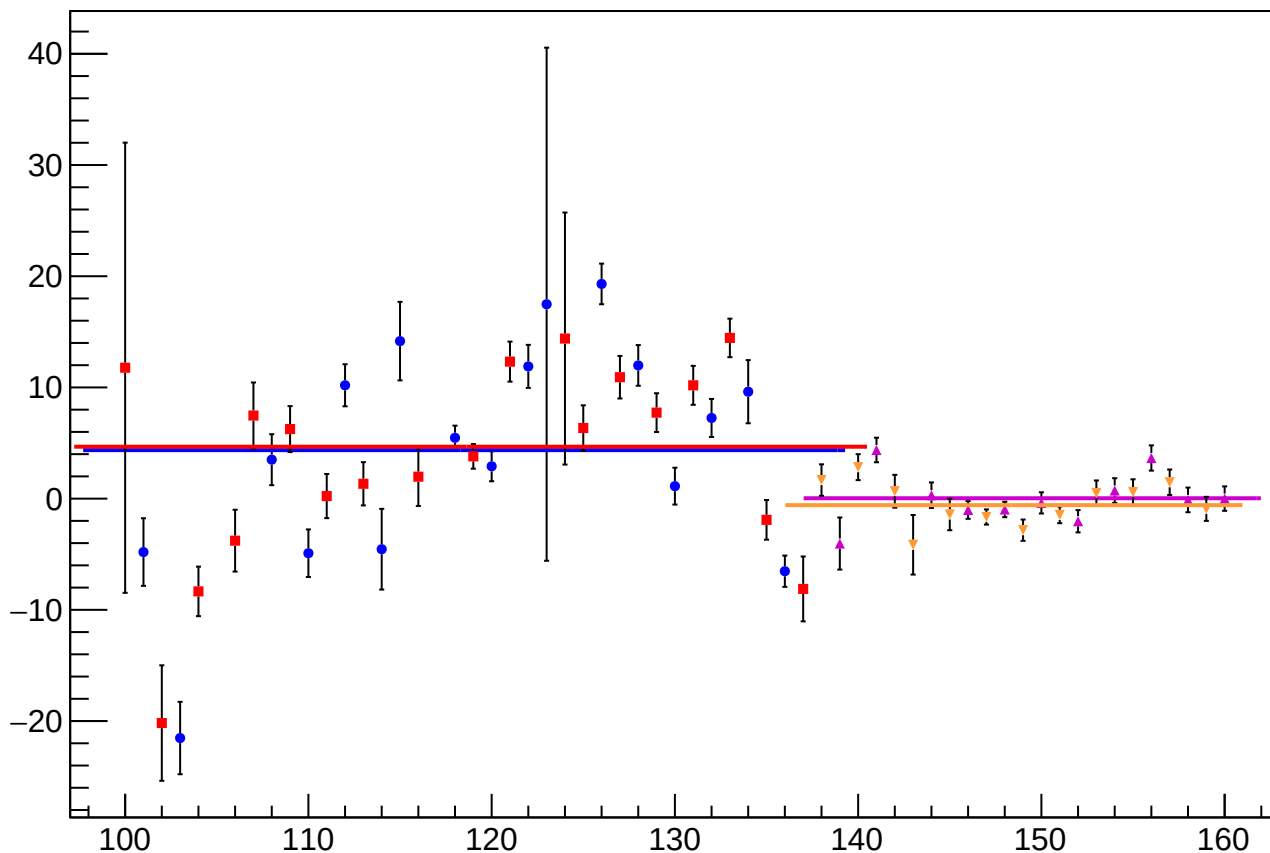
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.574+/-0.447 χ^2/NDF :120.3/10

Out: -14.205+/-0.459 χ^2/NDF :1624.5/11

All: -14.908+/-0.320 χ^2/NDF : 1749.4/22

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.361 $\pm$ 0.464 χ^2/NDF : 286.5/16

Left Out: -0.586 $\pm$ 0.309 χ^2/NDF : 28.6/11

Right Out: 4.670 $\pm$ 0.474 χ^2/NDF : 185.4/18

Left In: 0.034 $\pm$ 0.305 χ^2/NDF : 37.4/10

Left: -0.273 $\pm$ 0.217 χ^2/NDF : 68.0/22

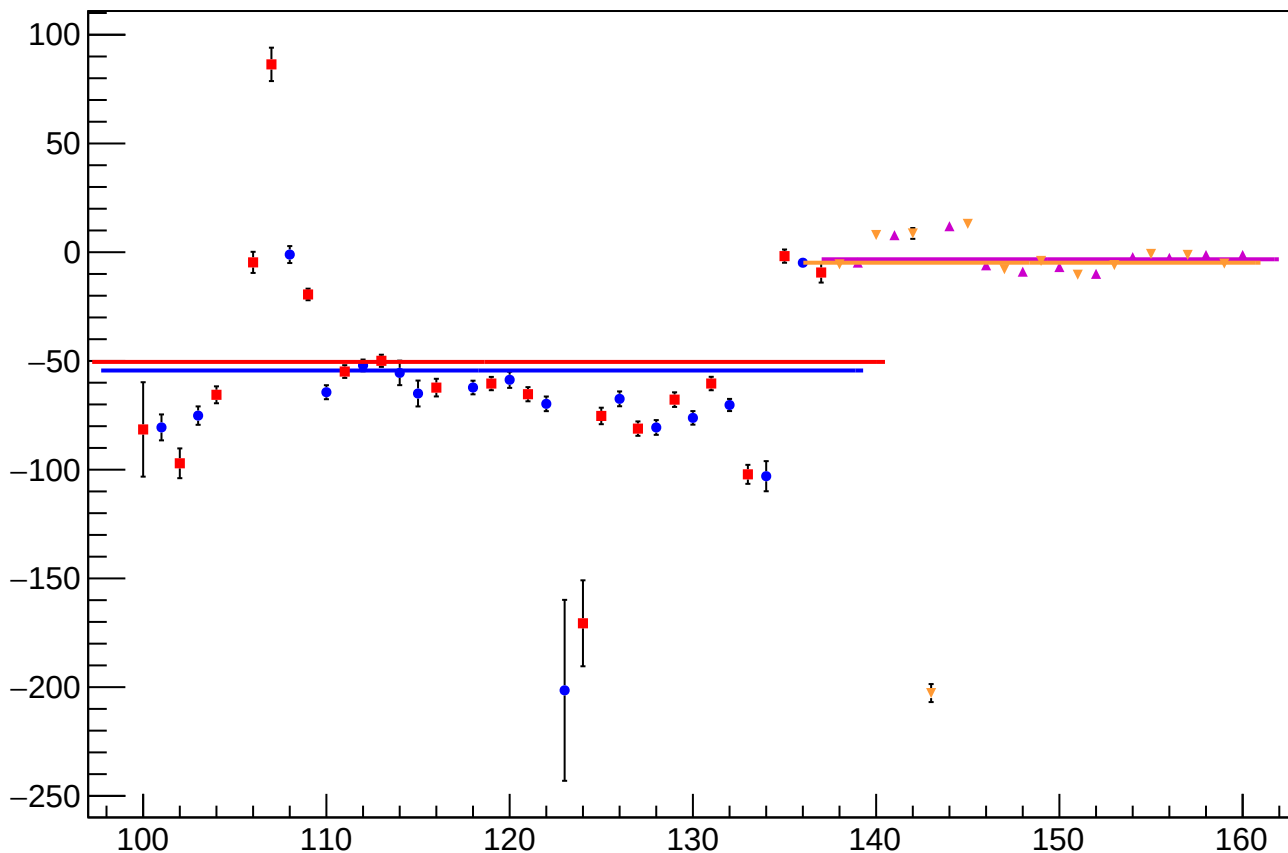
Right: 4.512 $\pm$ 0.332 χ^2/NDF : 472.1/35

In: 1.341 $\pm$ 0.255 χ^2/NDF : 384.5/27

Out: 0.977 $\pm$ 0.259 χ^2/NDF : 300.3/30

All: 1.162 $\pm$ 0.182 χ^2/NDF : 685.7/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.392 $\pm$ 0.863 χ^2 /NDF: 1013.4/16

Left Out: -4.823 $\pm$ 0.448 χ^2 /NDF: 2529.8/11

Right Out: -50.441 $\pm$ 0.857 χ^2 /NDF: 1324.7/18

Left In: -3.252 $\pm$ 0.434 χ^2 /NDF: 187.2/10

Left: -4.012 $\pm$ 0.312 χ^2 /NDF: 2723.3/22

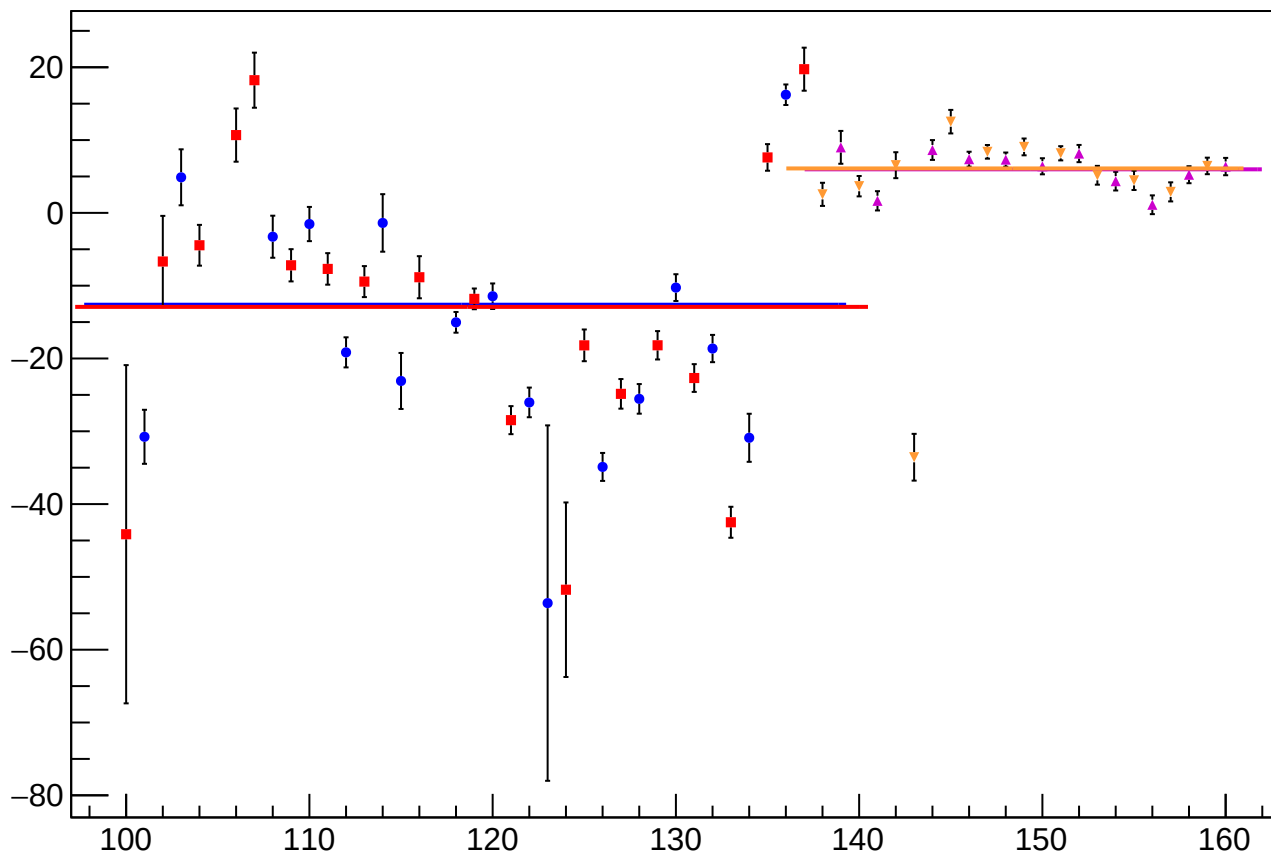
Right: -52.405 $\pm$ 0.608 χ^2 /NDF: 2348.7/35

In: -13.580 $\pm$ 0.388 χ^2 /NDF: 4006.1/27

Out: -14.606 $\pm$ 0.397 χ^2 /NDF: 6078.3/30

All: -14.080 $\pm$ 0.277 χ^2 /NDF: 10087.8/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.616 ± 0.530 χ^2/NDF : 788.2/16

Left Out: 6.103 ± 0.374 χ^2/NDF : 201.7/11

Right Out: -12.912 ± 0.538 χ^2/NDF : 730.2/18

Left In: 5.981 ± 0.365 χ^2/NDF : 39.8/10

Left: 6.041 ± 0.261 χ^2/NDF : 241.6/22

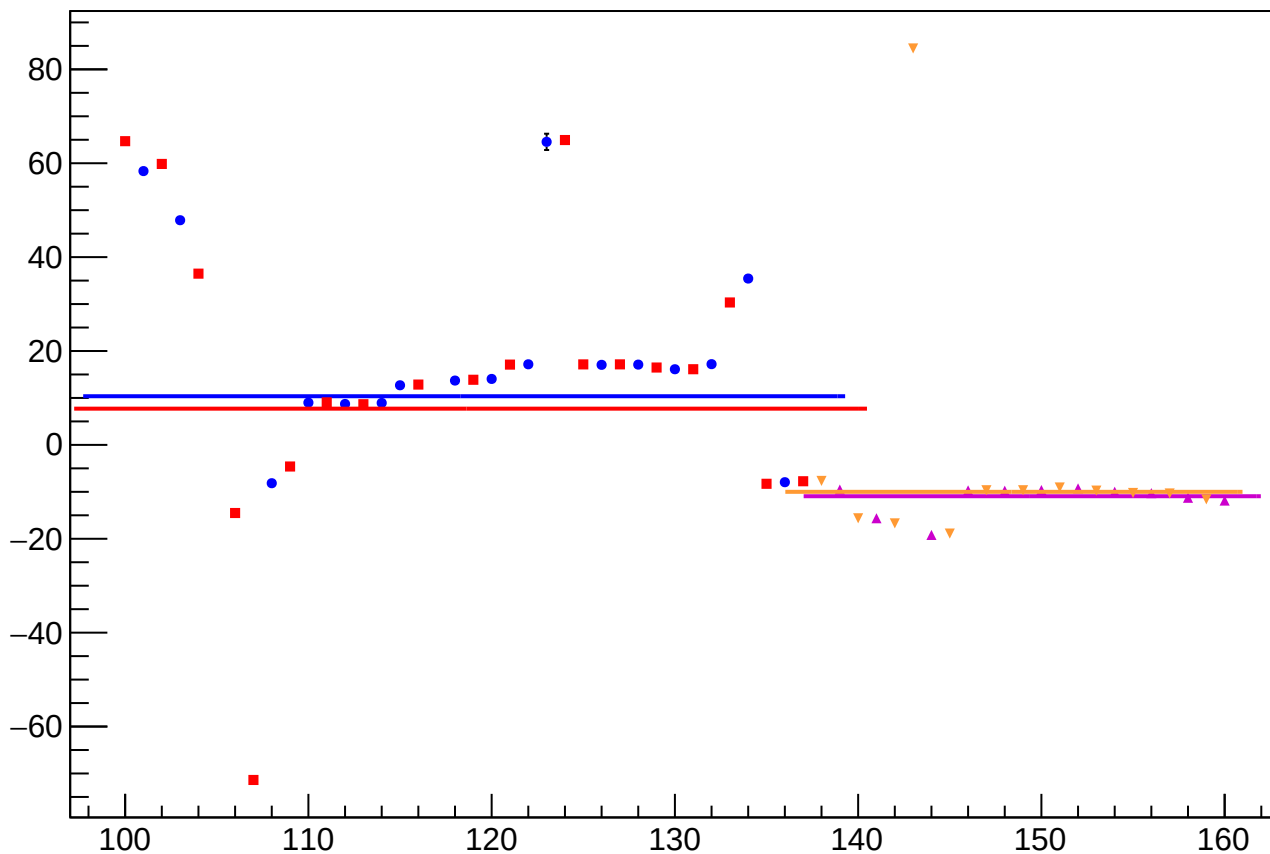
Right: -12.762 ± 0.378 χ^2/NDF : 1518.6/35

In: -0.002 ± 0.301 χ^2/NDF : 1662.6/27

Out: -0.080 ± 0.307 χ^2/NDF : 1774.3/30

All: -0.040 ± 0.215 χ^2/NDF : 3436.9/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.366 $\pm$ 0.031 χ^2 /NDF: 381003.5/16

Left Out: -9.999 $\pm$ 0.018 χ^2 /NDF: 355763.0/11

Right Out: 7.719 $\pm$ 0.031 χ^2 /NDF: 545085.7/18

Left In: -10.937 $\pm$ 0.017 χ^2 /NDF: 21196.2/10

Left: -10.487 $\pm$ 0.012 χ^2 /NDF: 378447.8/22

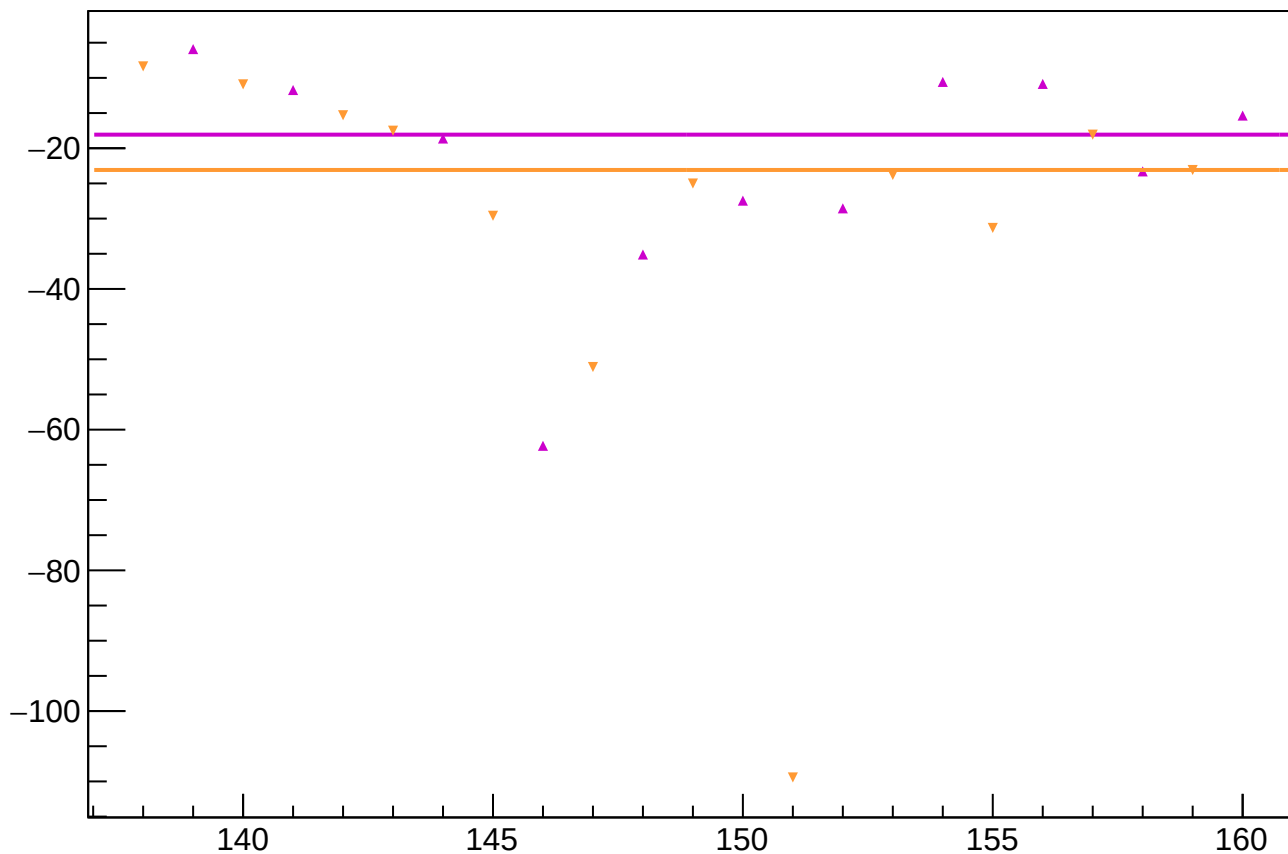
Right: 9.073 $\pm$ 0.022 χ^2 /NDF: 929756.2/35

In: -5.971 $\pm$ 0.015 χ^2 /NDF: 775423.3/27

Out: -5.757 $\pm$ 0.015 χ^2 /NDF: 1145272.4/30

All: -5.868 $\pm$ 0.011 χ^2 /NDF: 1920797.2/58

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.088+/-0.076 χ^2/NDF :50366.3/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -18.069+/-0.063 χ^2/NDF :36787.7/10

Left: -20.137+/-0.049 χ^2/NDF : 89729.4/22

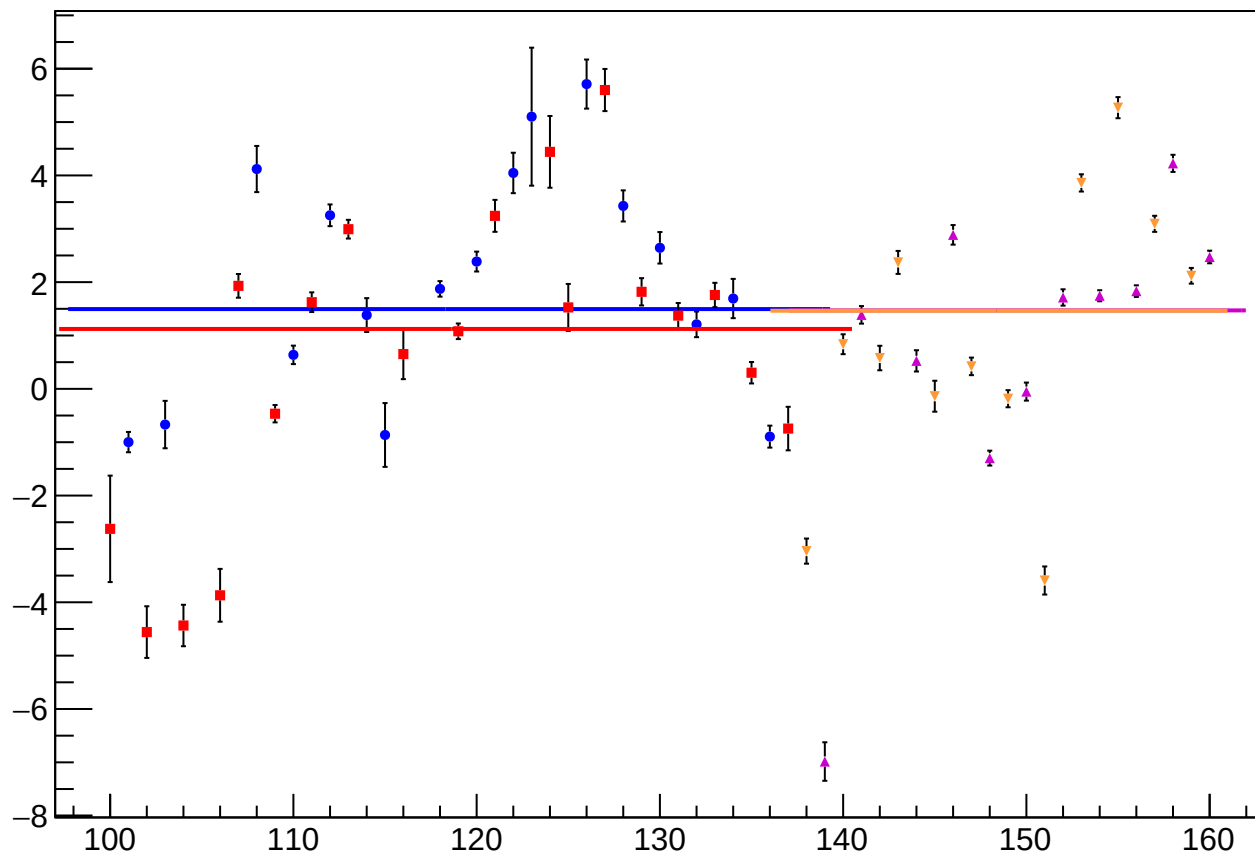
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.069+/-0.063 χ^2/NDF :36787.7/10

Out: -23.088+/-0.076 χ^2/NDF :50366.3/11

All: -20.137+/-0.049 χ^2/NDF : 89729.4/22

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.495 $\pm$ 0.061 χ^2 /NDF: 708.8/16

Left Out: 1.465 $\pm$ 0.054 χ^2 /NDF:1682.7/11

Right Out: 1.123 $\pm$ 0.058 χ^2 /NDF: 946.5/18

Left In: 1.470 $\pm$ 0.044 χ^2 /NDF:1491.7/10

Left: 1.468 $\pm$ 0.034 χ^2 /NDF: 3174.4/22

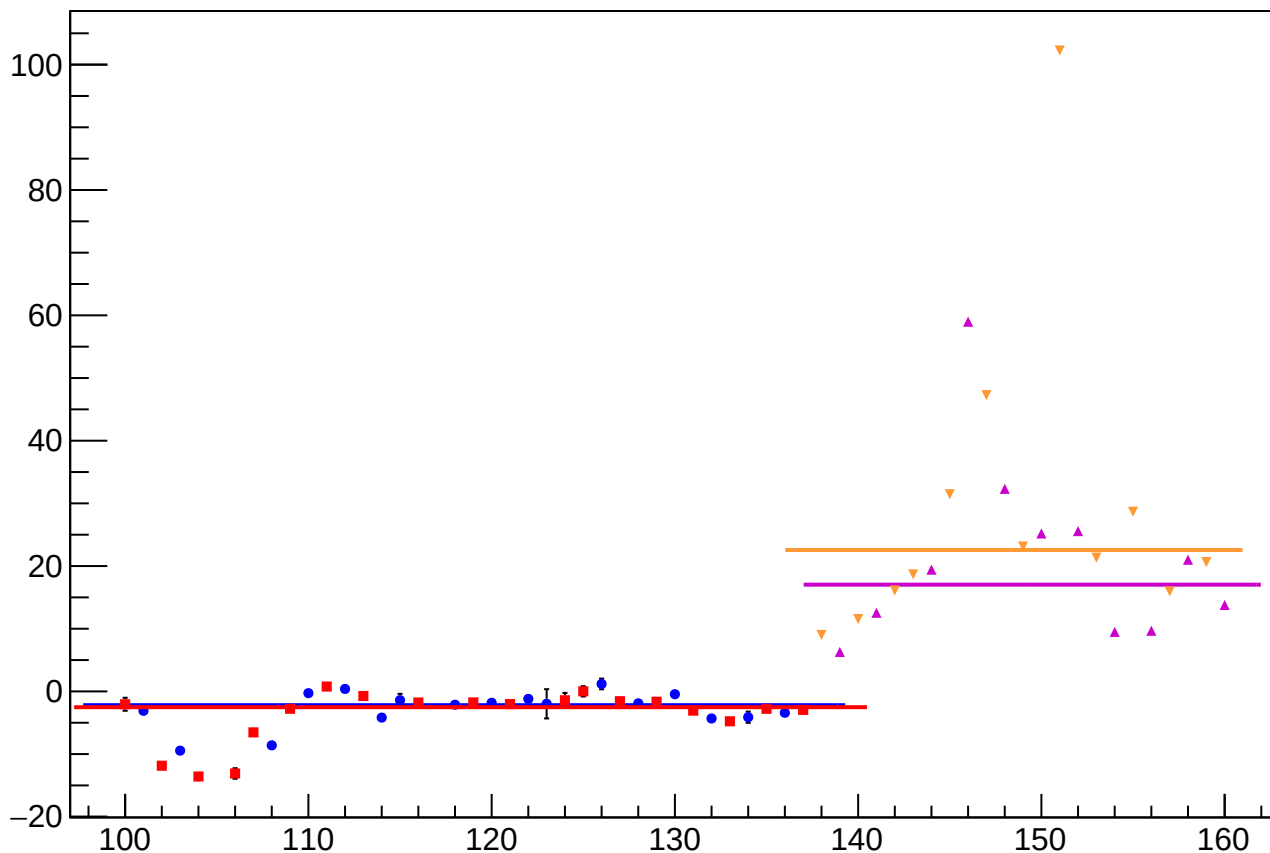
Right: 1.300 $\pm$ 0.042 χ^2 /NDF: 1674.8/35

In: 1.479 $\pm$ 0.036 χ^2 /NDF:2200.6/27

Out: 1.307 $\pm$ 0.040 χ^2 /NDF:2647.8/30

All: 1.402 $\pm$ 0.027 χ^2 /NDF: 4858.8/58

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.200 ± 0.111 χ^2/NDF : 461.0/16

Left Out: 22.561 ± 0.074 χ^2/NDF : 45582.2/11

Right Out: -2.520 ± 0.099 χ^2/NDF : 903.3/18

Left In: 17.029 ± 0.061 χ^2/NDF : 34730.1/10

Left: 19.249 ± 0.047 χ^2/NDF : 83629.7/22

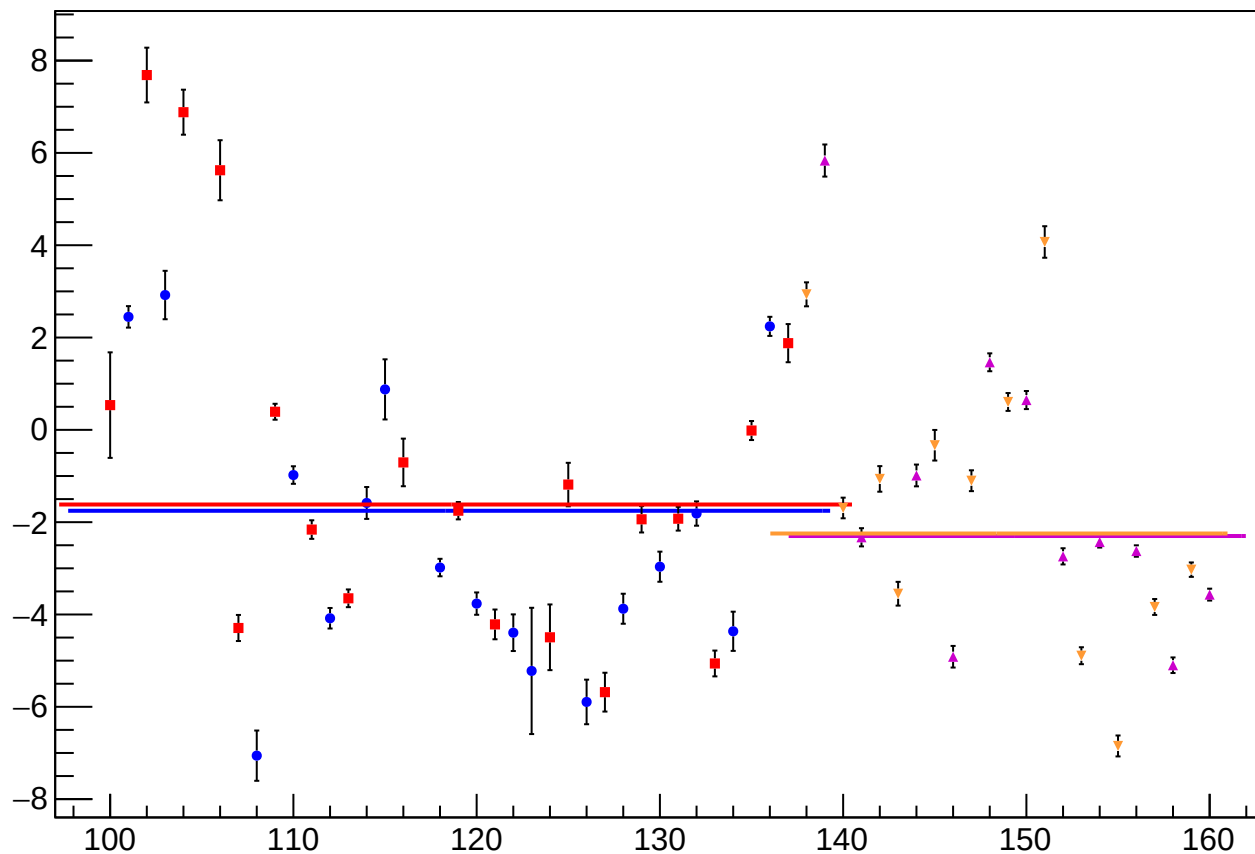
Right: -2.378 ± 0.074 χ^2/NDF : 1368.9/35

In: 12.562 ± 0.053 χ^2/NDF : 58402.8/27

Out: 13.517 ± 0.059 χ^2/NDF : 87565.3/30

All: 12.988 ± 0.040 χ^2/NDF : 146111.4/58

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.753 ± 0.070 χ^2/NDF : 1345.0/16

Left Out: -2.246 ± 0.063 χ^2/NDF : 1795.6/11

Right Out: -1.617 ± 0.066 χ^2/NDF : 1487.5/18

Left In: -2.300 ± 0.051 χ^2/NDF : 1691.9/10

Left: -2.278 ± 0.040 χ^2/NDF : 3487.9/22

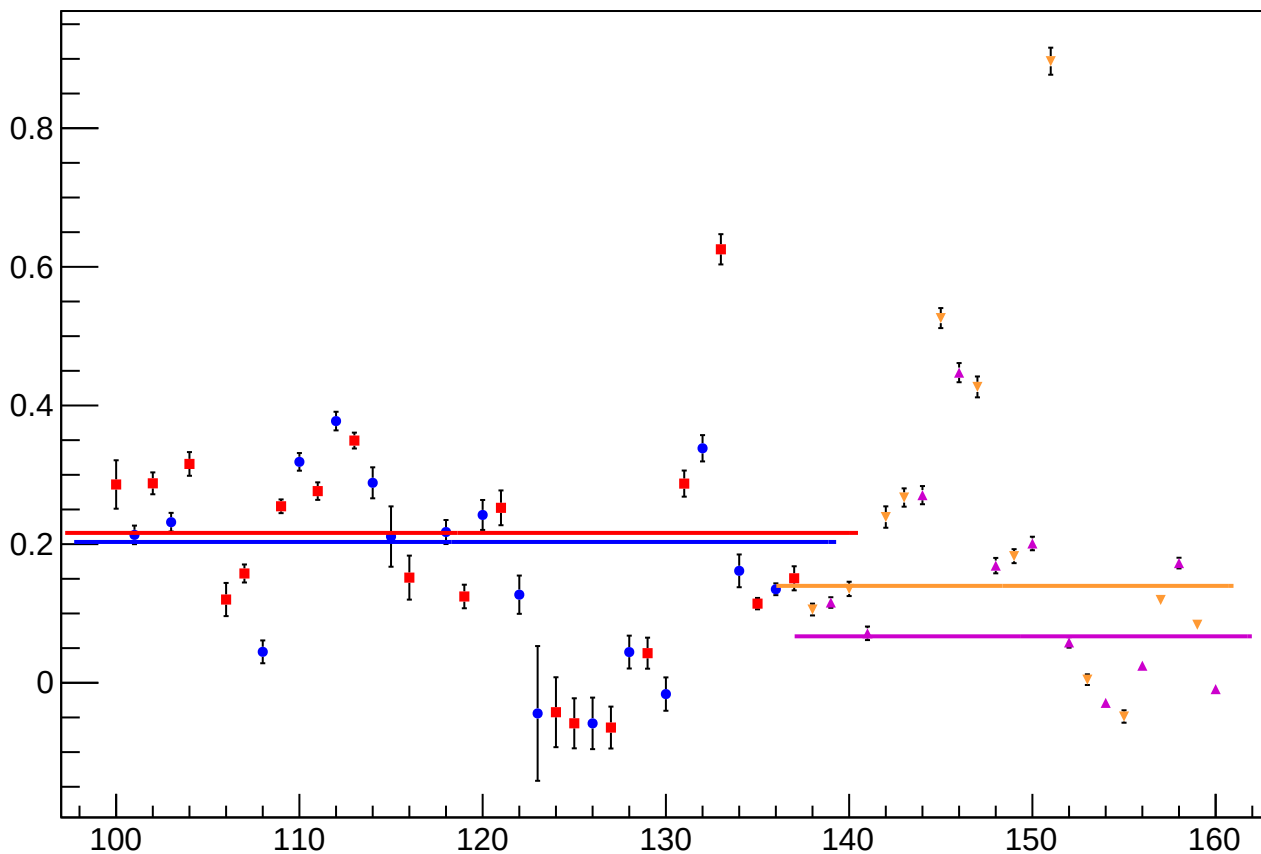
Right: -1.681 ± 0.048 χ^2/NDF : 2834.6/35

In: -2.112 ± 0.041 χ^2/NDF : 3076.6/27

Out: -1.944 ± 0.046 χ^2/NDF : 3330.7/30

All: -2.036 ± 0.031 χ^2/NDF : 6414.7/58

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 677.2/16

Left Out: 0.140 $\pm$ 0.003 χ^2 /NDF:3568.6/11

Right Out: 0.216 $\pm$ 0.004 χ^2 /NDF: 1067.3/18

Left In: 0.067 $\pm$ 0.002 χ^2 /NDF:2119.0/10

Left: 0.095 $\pm$ 0.002 χ^2 /NDF: 6100.9/22

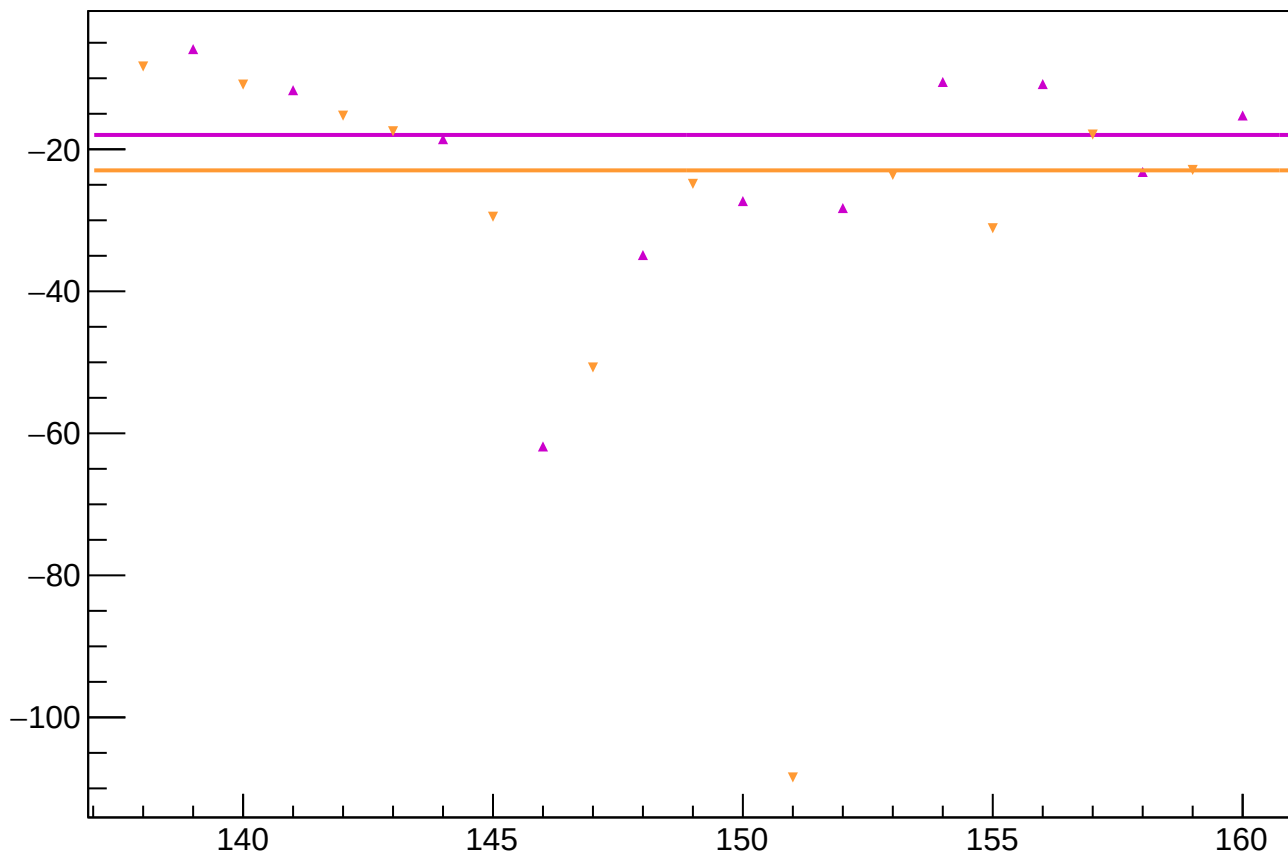
Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1750.0/35

In: 0.097 $\pm$ 0.002 χ^2 /NDF:3639.2/27

Out: 0.168 $\pm$ 0.002 χ^2 /NDF:4906.8/30

All: 0.128 $\pm$ 0.001 χ^2 /NDF: 9109.7/58

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.970 $\pm$ 0.075 χ^2/NDF :50256.9/11

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

Left In: -17.982 $\pm$ 0.063 χ^2/NDF :36723.4/10

Left: -20.037 $\pm$ 0.048 χ^2/NDF : 89555.9/22

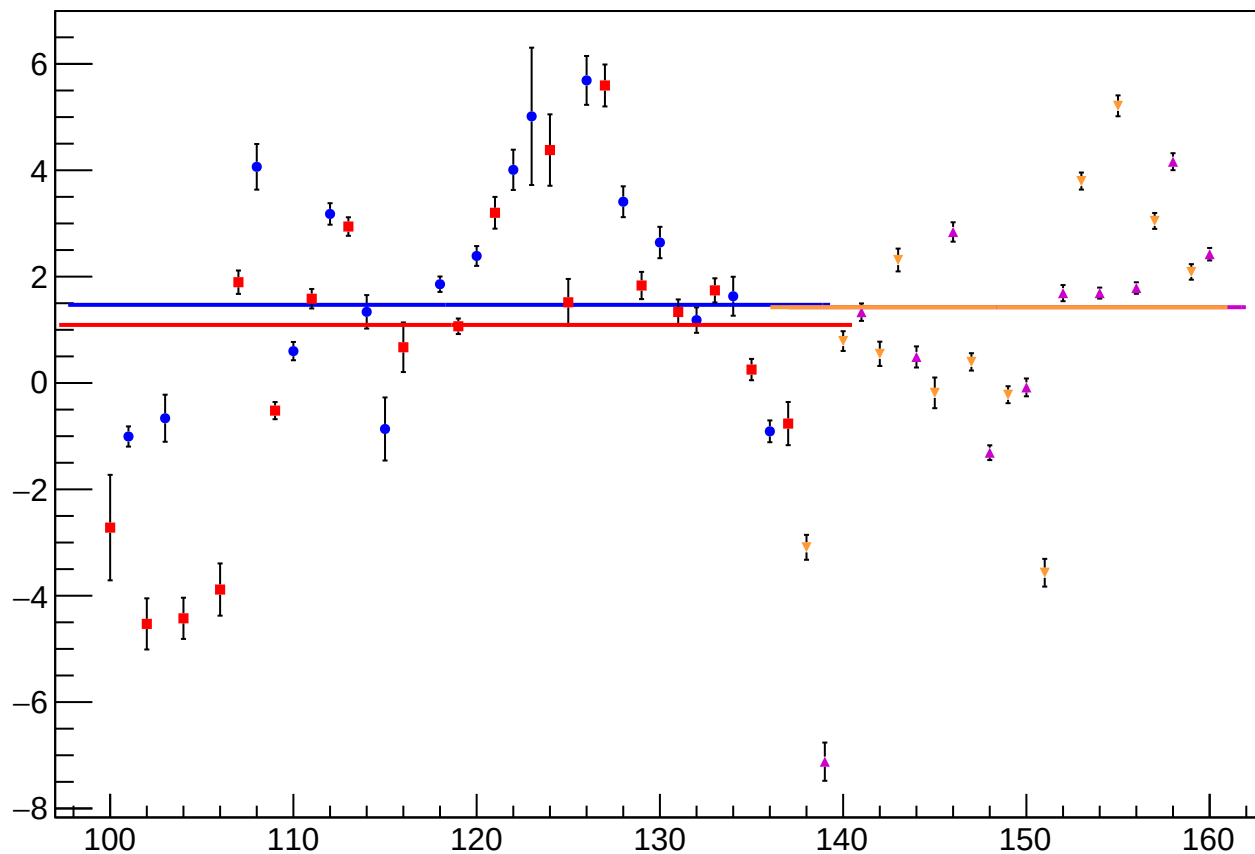
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -17.982 $\pm$ 0.063 χ^2/NDF :36723.4/10

Out: -22.970 $\pm$ 0.075 χ^2/NDF :50256.9/11

All: -20.037 $\pm$ 0.048 χ^2/NDF : 89555.9/22

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.470 $\pm$ 0.061 χ^2 /NDF: 707.9/16

Left Out: 1.426 $\pm$ 0.054 χ^2 /NDF:1688.3/11

Right Out: 1.092 $\pm$ 0.058 χ^2 /NDF: 952.1/18

Left In: 1.425 $\pm$ 0.044 χ^2 /NDF:1503.9/10

Left: 1.426 $\pm$ 0.034 χ^2 /NDF: 3192.1/22

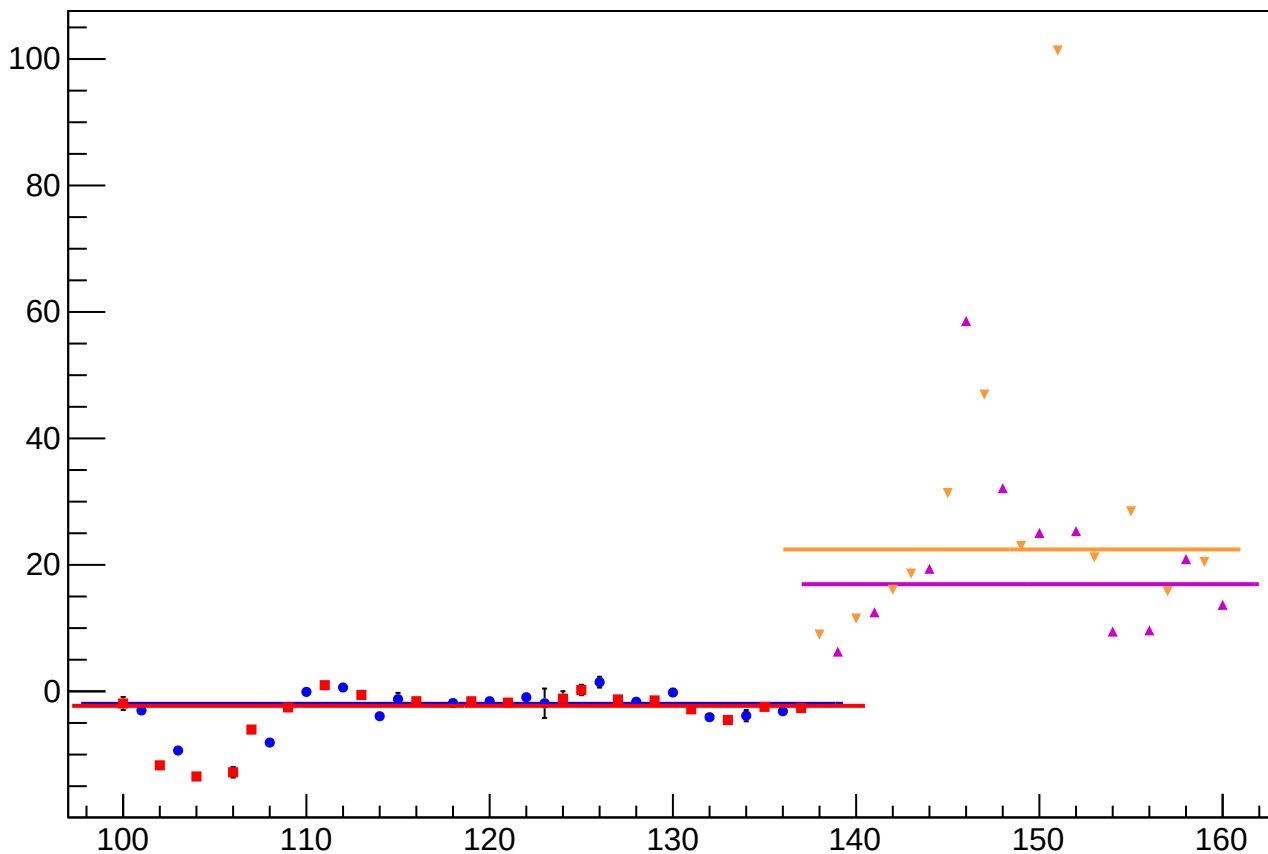
Right: 1.272 $\pm$ 0.042 χ^2 /NDF: 1680.2/35

In: 1.440 $\pm$ 0.036 χ^2 /NDF:2212.1/27

Out: 1.272 $\pm$ 0.039 χ^2 /NDF:2658.3/30

All: 1.365 $\pm$ 0.026 χ^2 /NDF: 4880.5/58

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.977 ± 0.110 $\chi^2/\text{NDF}: 463.8/16$

Left Out: 22.439 ± 0.074 $\chi^2/\text{NDF}: 45504.4/11$

Right Out: -2.294 ± 0.098 $\chi^2/\text{NDF}: 906.6/18$

Left In: 16.945 ± 0.060 $\chi^2/\text{NDF}: 34679.0/10$

Left: 19.151 ± 0.047 $\chi^2/\text{NDF}: 83496.9/22$

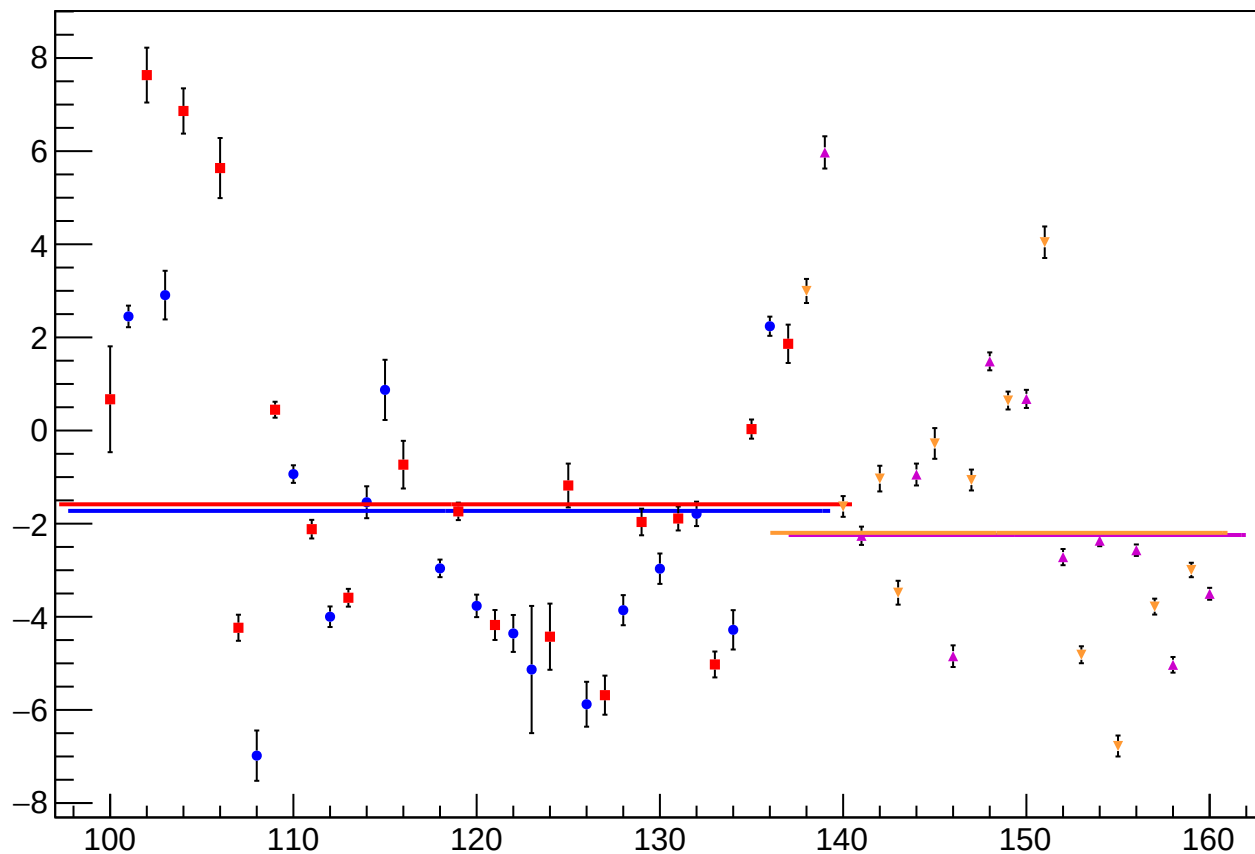
Right: -2.153 ± 0.073 $\chi^2/\text{NDF}: 1375.0/35$

In: 12.556 ± 0.053 $\chi^2/\text{NDF}: 57853.0/27$

Out: 13.533 ± 0.059 $\chi^2/\text{NDF}: 86816.3/30$

All: 12.992 ± 0.039 $\chi^2/\text{NDF}: 144820.6/58$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.726 ± 0.070 χ^2/NDF : 1341.5/16

Left Out: -2.197 ± 0.063 χ^2/NDF : 1802.9/11

Right Out: -1.584 ± 0.065 χ^2/NDF : 1492.8/18

Left In: -2.244 ± 0.051 χ^2/NDF : 1707.7/10

Left: -2.225 ± 0.039 χ^2/NDF : 3511.0/22

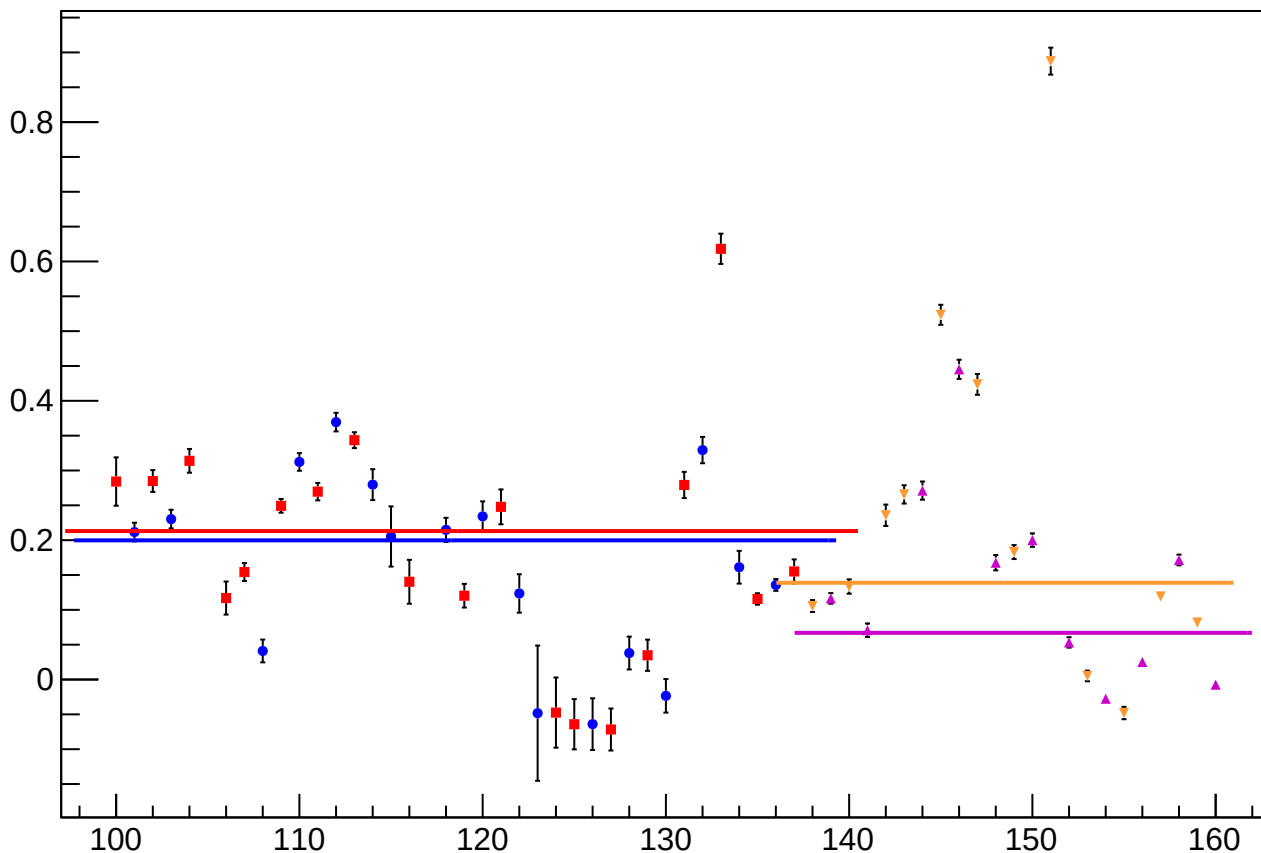
Right: -1.650 ± 0.048 χ^2/NDF : 2836.5/35

In: -2.066 ± 0.041 χ^2/NDF : 3085.2/27

Out: -1.904 ± 0.045 χ^2/NDF : 3341.4/30

All: -1.993 ± 0.030 χ^2/NDF : 6433.7/58

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.200 ± 0.004 $\chi^2/\text{NDF}: 662.5/16$

Left Out: 0.139 ± 0.003 $\chi^2/\text{NDF}: 3562.1/11$

Right Out: 0.213 ± 0.004 $\chi^2/\text{NDF}: 1050.9/18$

Left In: 0.067 ± 0.002 $\chi^2/\text{NDF}: 2112.4/10$

Left: 0.094 ± 0.002 $\chi^2/\text{NDF}: 6082.5/22$

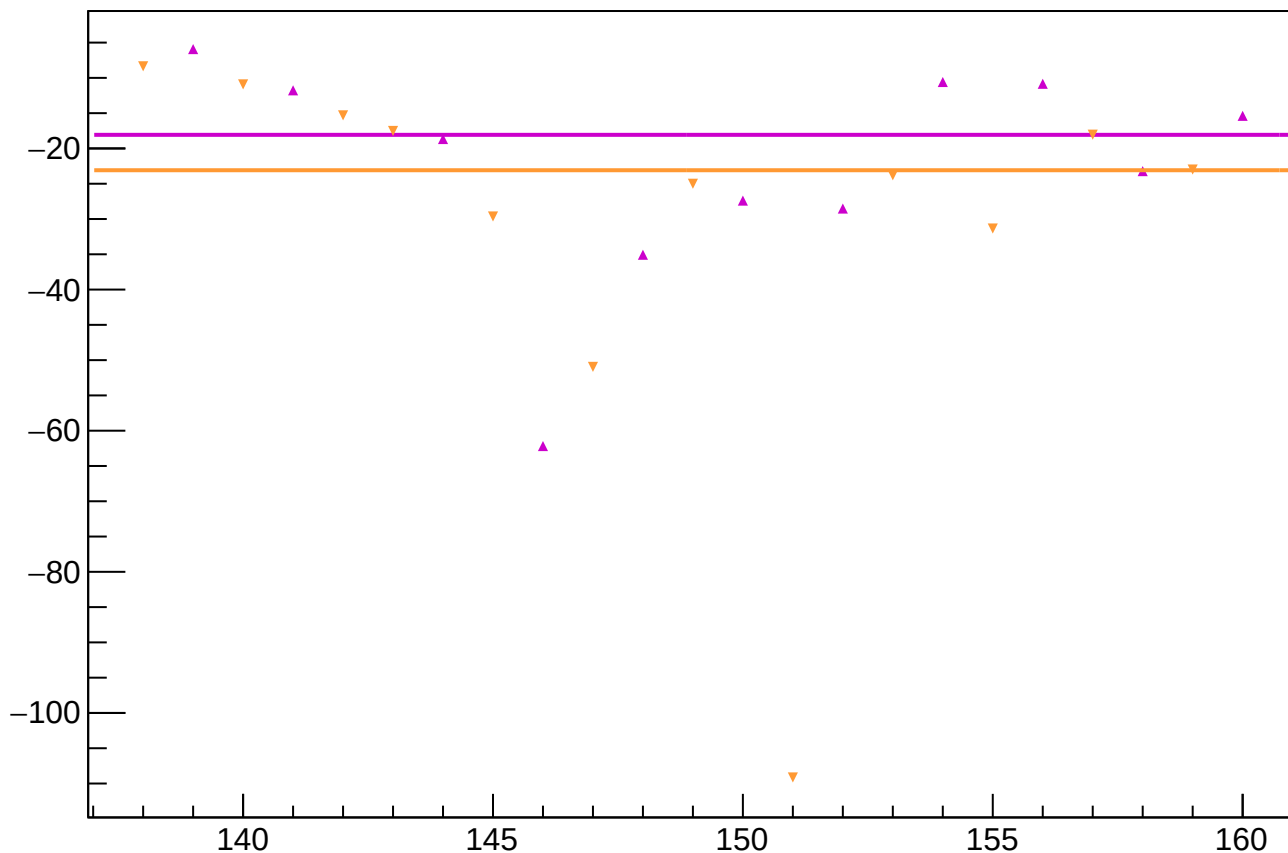
Right: 0.207 ± 0.003 $\chi^2/\text{NDF}: 1719.2/35$

In: 0.097 ± 0.002 $\chi^2/\text{NDF}: 3585.0/27$

Out: 0.166 ± 0.002 $\chi^2/\text{NDF}: 4871.5/30$

All: 0.127 ± 0.001 $\chi^2/\text{NDF}: 9011.2/58$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.088+/-0.076 χ^2/NDF :50367.5/11

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

Left In: -18.072+/-0.063 χ^2/NDF :36790.9/10

Left: -20.137+/-0.049 χ^2/NDF : 89741.3/22

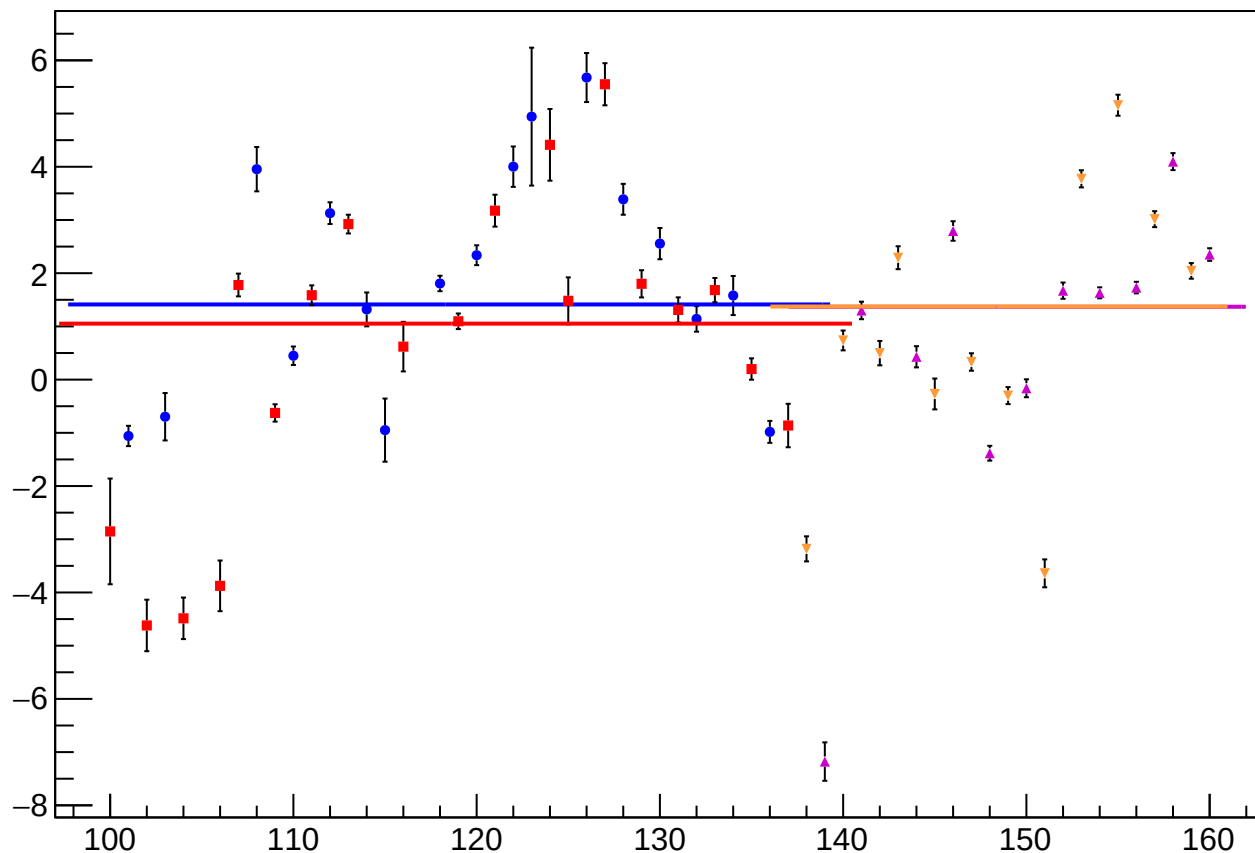
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.072+/-0.063 χ^2/NDF :36790.9/10

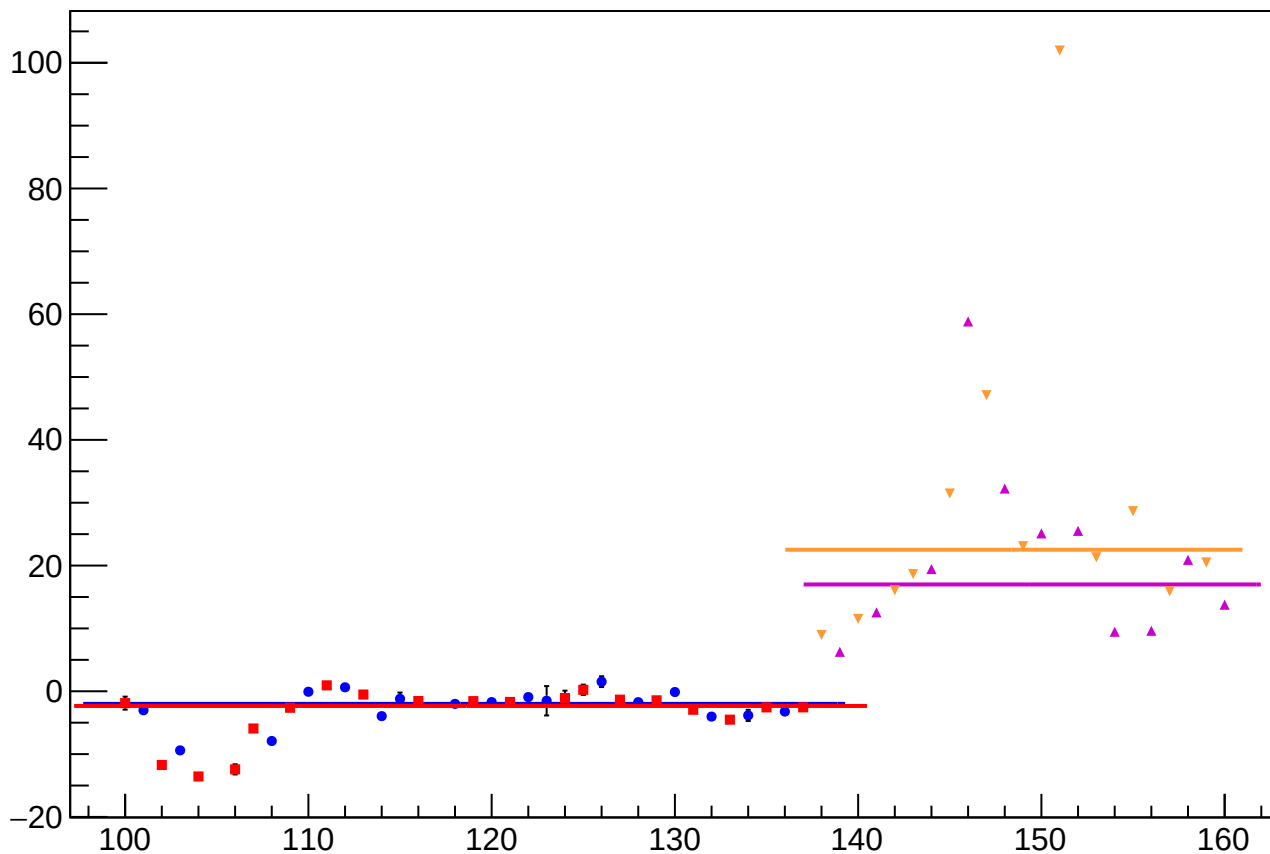
Out: -23.088+/-0.076 χ^2/NDF :50367.5/11

All: -20.137+/-0.049 χ^2/NDF : 89741.3/22

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.006 ± 0.111 χ^2/NDF : 463.3/16

Left Out: 22.522 ± 0.074 χ^2/NDF : 45599.4/11

Right Out: -2.336 ± 0.099 χ^2/NDF : 901.2/18

Left In: 16.994 ± 0.061 χ^2/NDF : 34753.4/10

Left: 19.212 ± 0.047 χ^2/NDF : 83680.3/22

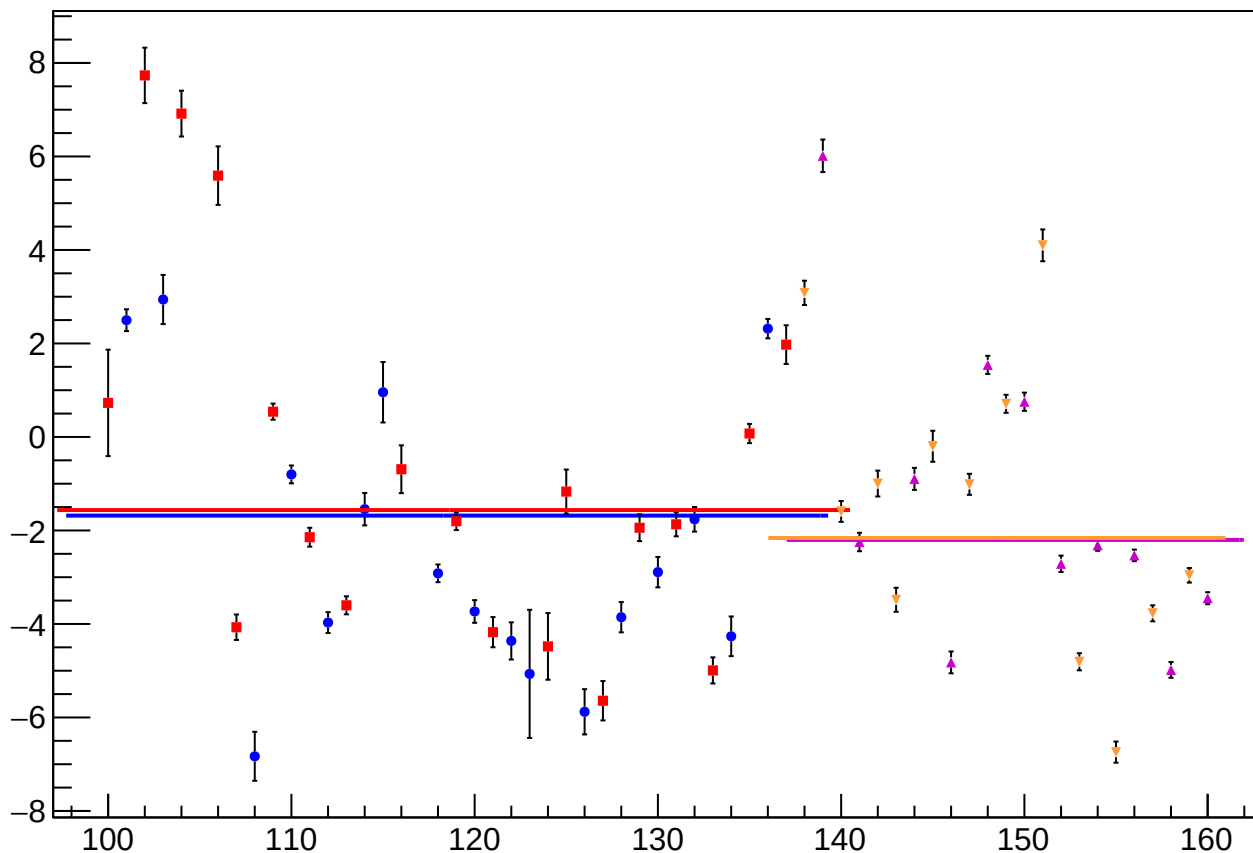
Right: -2.190 ± 0.074 χ^2/NDF : 1369.4/35

In: 12.597 ± 0.053 χ^2/NDF : 57890.5/27

Out: 13.576 ± 0.059 χ^2/NDF : 86931.4/30

All: 13.034 ± 0.040 χ^2/NDF : 144972.8/58

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.682 ± 0.070 χ^2/NDF : 1347.8/16

Left Out: -2.160 ± 0.063 χ^2/NDF : 1811.7/11

Right Out: -1.563 ± 0.066 χ^2/NDF : 1504.7/18

Left In: -2.202 ± 0.051 χ^2/NDF : 1702.0/10

Left: -2.186 ± 0.040 χ^2/NDF : 3514.0/22

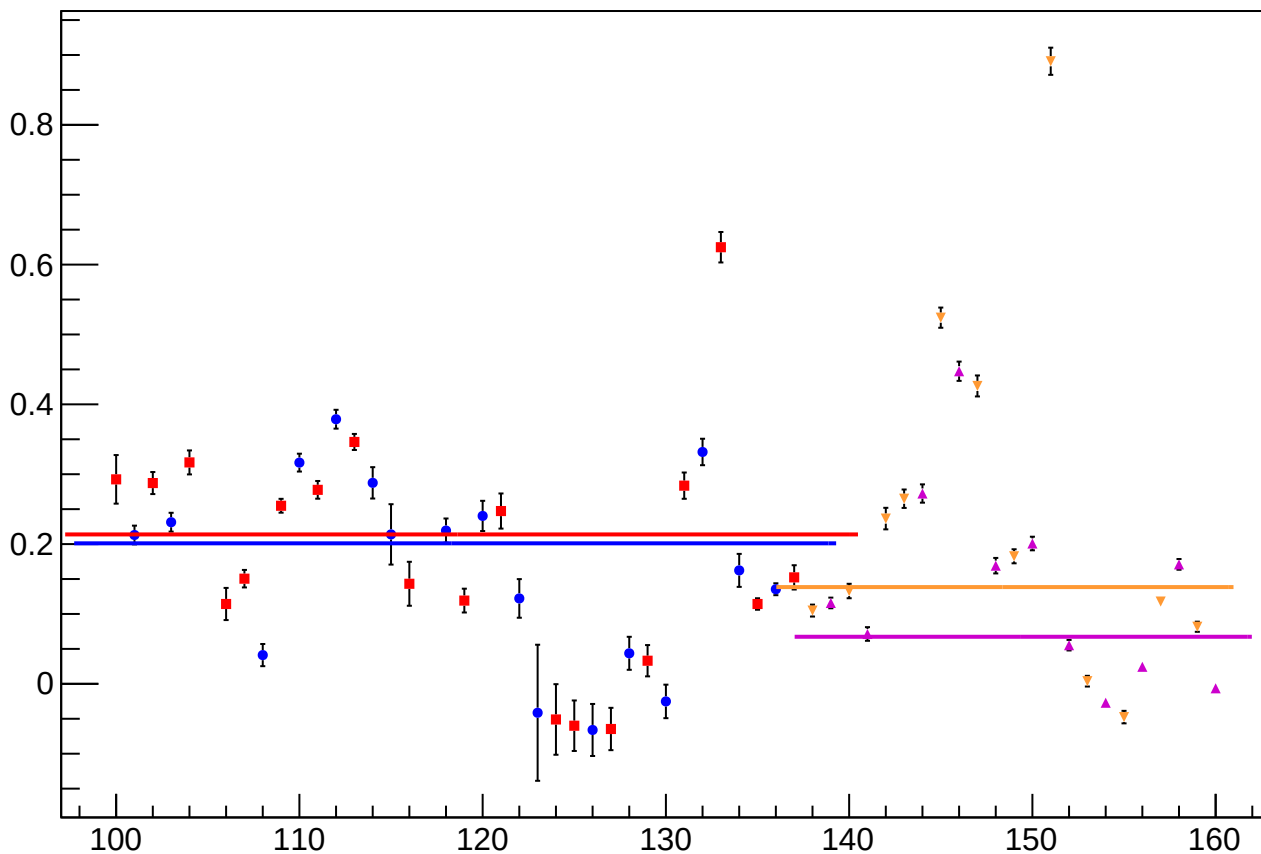
Right: -1.619 ± 0.048 χ^2/NDF : 2854.1/35

In: -2.024 ± 0.041 χ^2/NDF : 3085.8/27

Out: -1.874 ± 0.045 χ^2/NDF : 3359.4/30

All: -1.956 ± 0.031 χ^2/NDF : 6451.3/58

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 691.3/16

Left Out: 0.138 ± 0.003 χ^2/NDF : 3555.4/11

Right Out: 0.214 ± 0.004 χ^2/NDF : 1083.1/18

Left In: 0.067 ± 0.002 χ^2/NDF : 2103.3/10

Left: 0.095 ± 0.002 χ^2/NDF : 6054.8/22

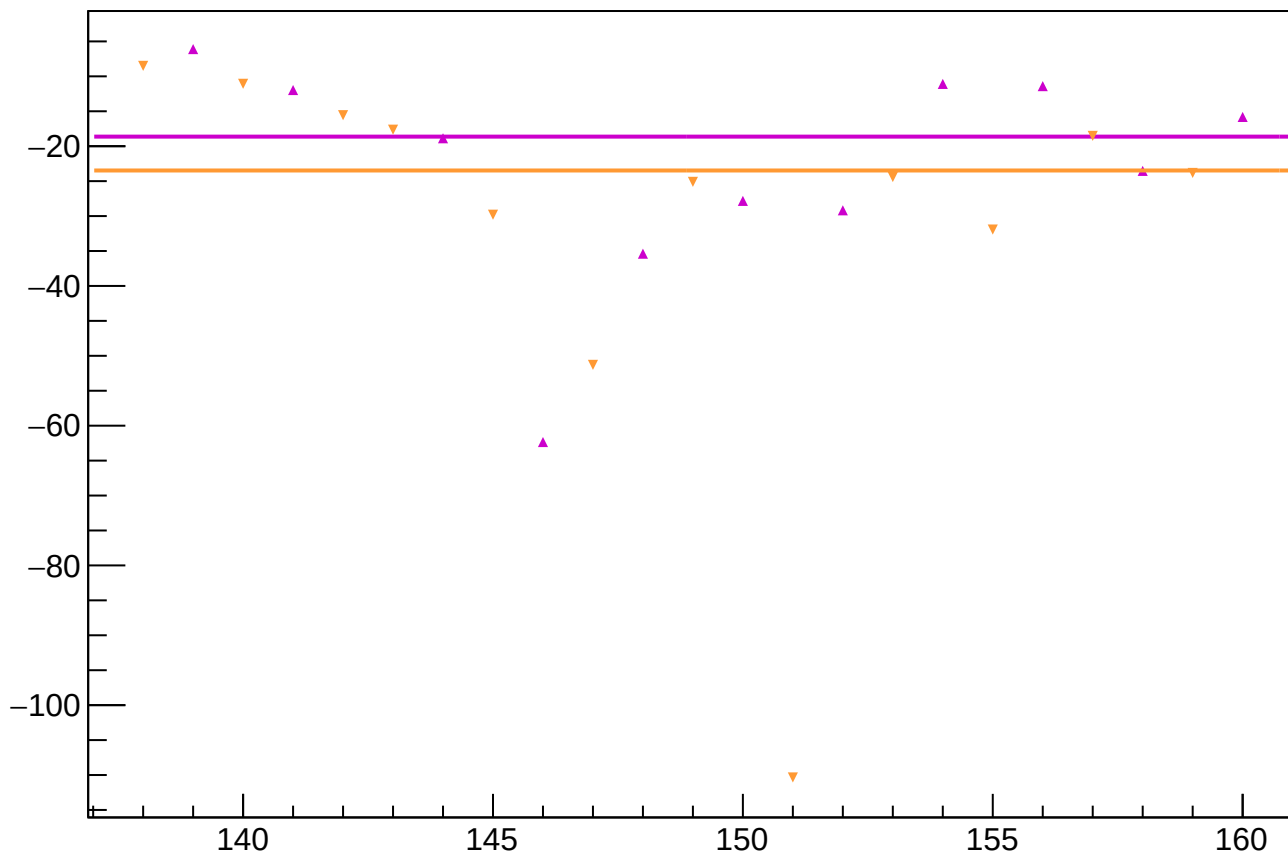
Right: 0.208 ± 0.003 χ^2/NDF : 1779.7/35

In: 0.097 ± 0.002 χ^2/NDF : 3610.8/27

Out: 0.166 ± 0.002 χ^2/NDF : 4903.4/30

All: 0.127 ± 0.001 χ^2/NDF : 9057.6/58

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.475+/-0.077 χ^2/NDF :50225.4/11

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

Left In: -18.628+/-0.065 χ^2/NDF :35753.4/10

Left: -20.644+/-0.050 χ^2/NDF : 88298.9/22

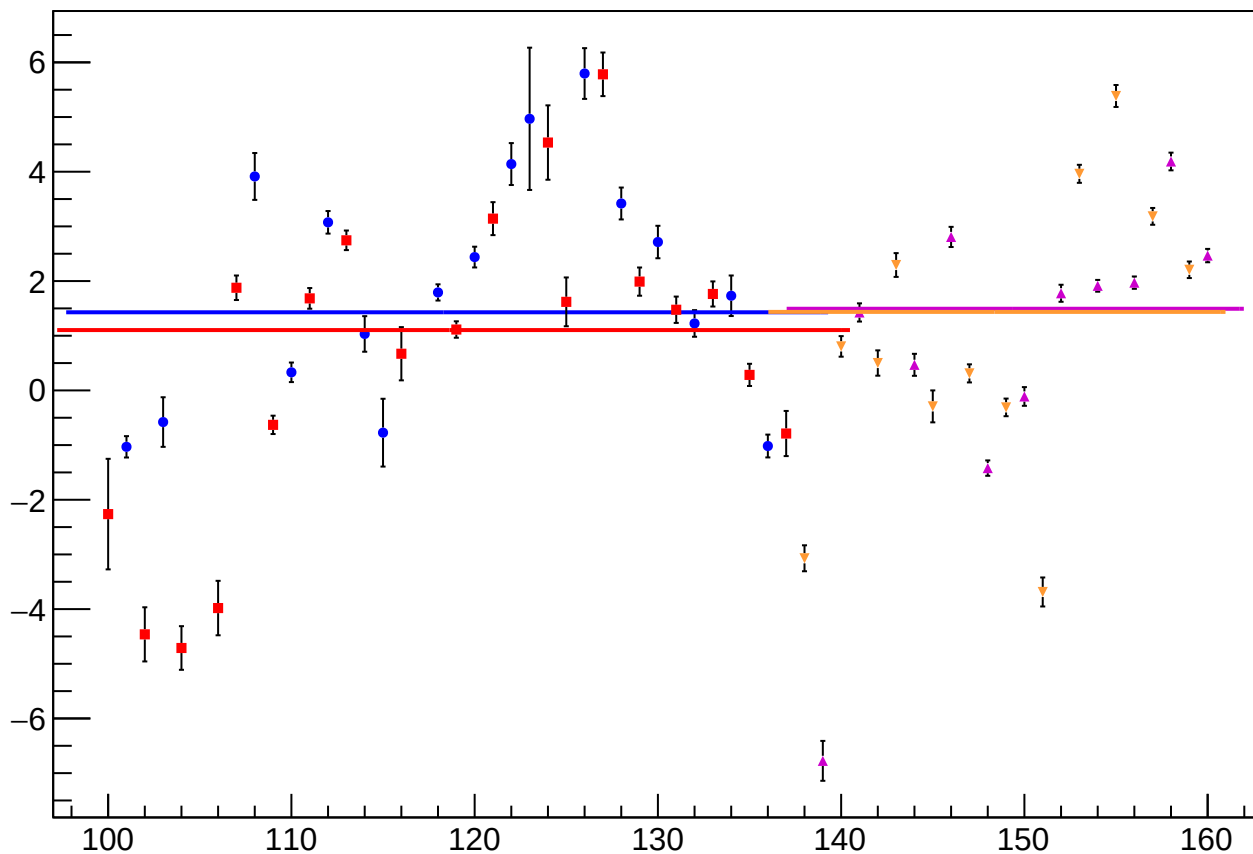
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.628+/-0.065 χ^2/NDF :35753.4/10

Out: -23.475+/-0.077 χ^2/NDF :50225.4/11

All: -20.644+/-0.050 χ^2/NDF : 88298.9/22

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.429 ± 0.062 χ^2/NDF : 711.4/16

Left Out: 1.436 ± 0.055 χ^2/NDF : 1750.9/11

Right Out: 1.104 ± 0.059 χ^2/NDF : 936.5/18

Left In: 1.493 ± 0.045 χ^2/NDF : 1484.1/10

Left: 1.470 ± 0.035 χ^2/NDF : 3235.7/22

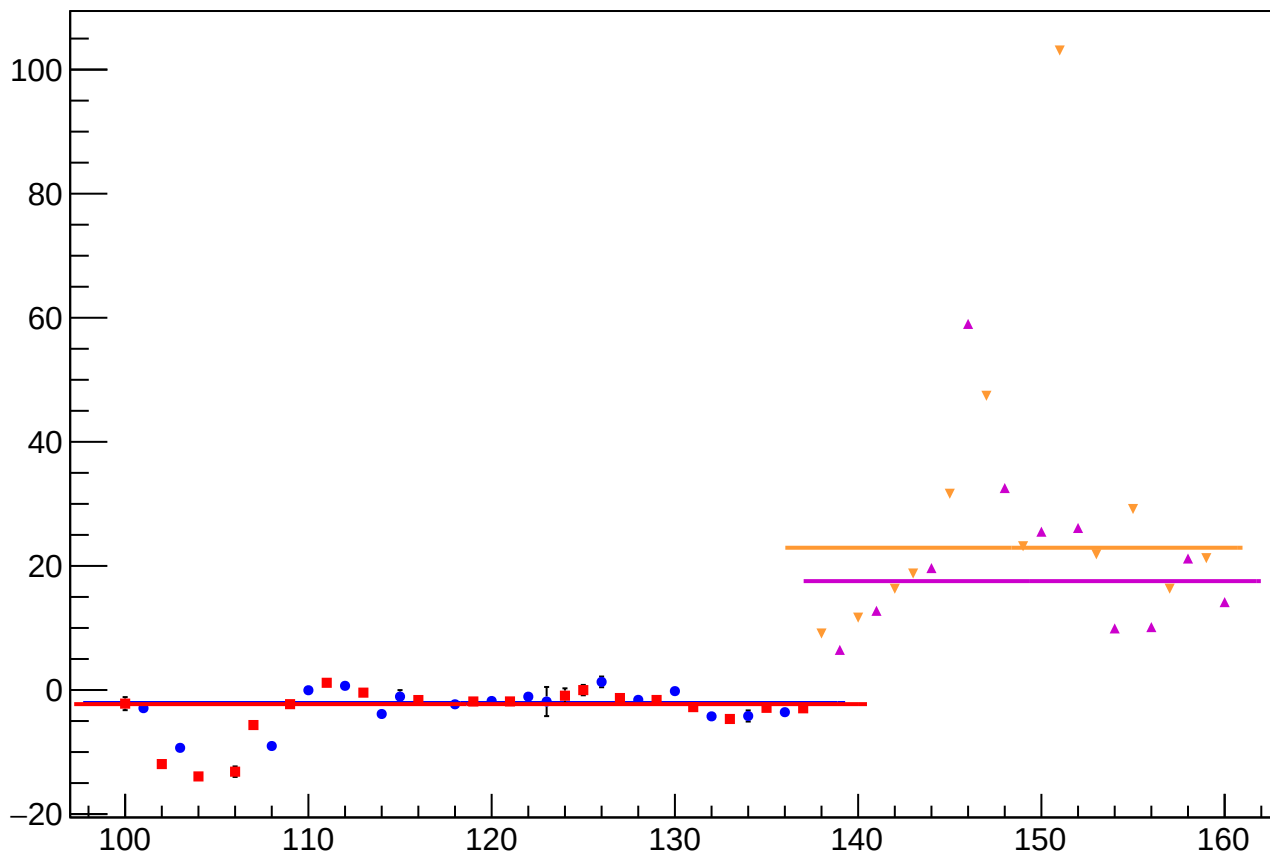
Right: 1.259 ± 0.043 χ^2/NDF : 1662.3/35

In: 1.471 ± 0.036 χ^2/NDF : 2196.3/27

Out: 1.283 ± 0.040 χ^2/NDF : 2704.4/30

All: 1.386 ± 0.027 χ^2/NDF : 4912.7/58

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.094 ± 0.113 χ^2/NDF : 486.5/16

Left Out: 22.931 ± 0.075 χ^2/NDF : 45338.8/11

Right Out: -2.278 ± 0.101 χ^2/NDF : 918.6/18

Left In: 17.550 ± 0.062 χ^2/NDF : 33629.5/10

Left: 19.731 ± 0.048 χ^2/NDF : 81996.1/22

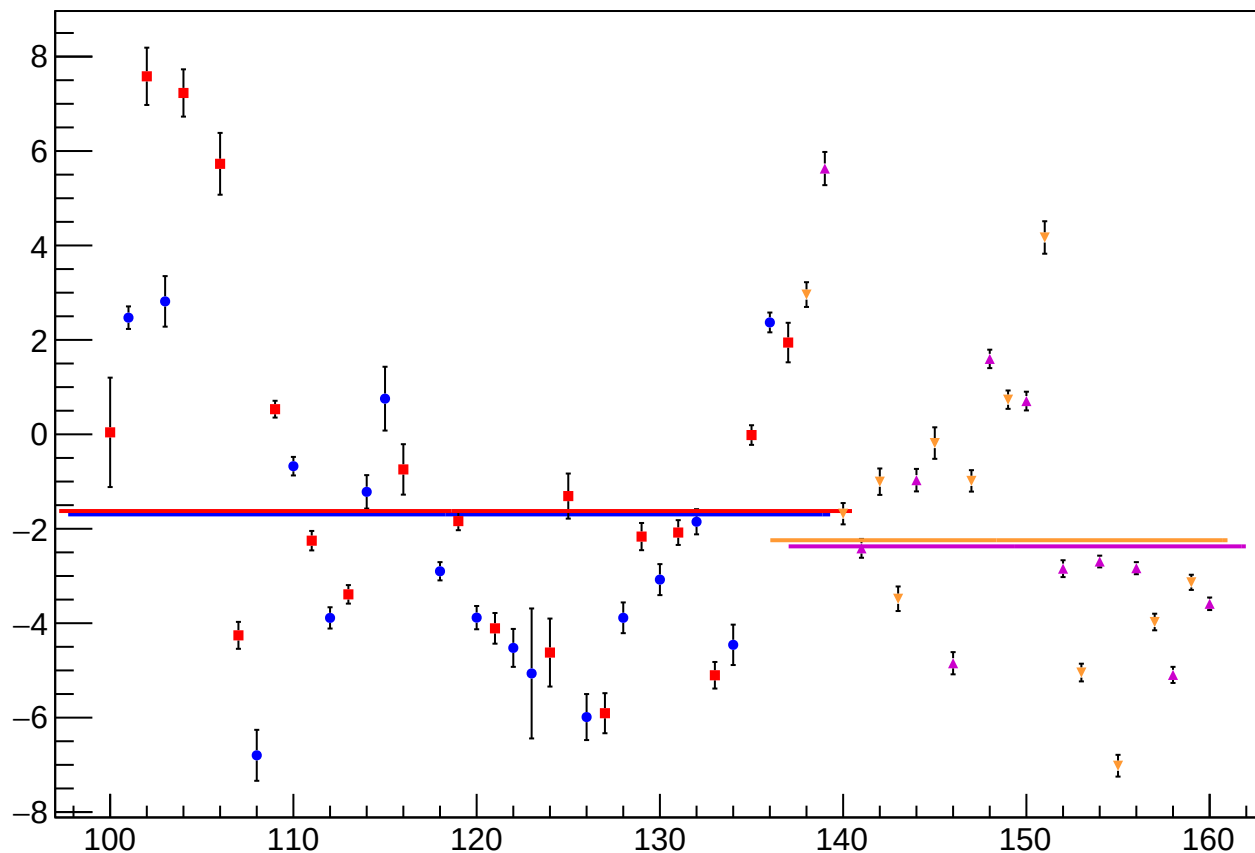
Right: -2.196 ± 0.075 χ^2/NDF : 1406.6/35

In: 12.952 ± 0.054 χ^2/NDF : 57431.5/27

Out: 13.909 ± 0.060 χ^2/NDF : 86252.7/30

All: 13.381 ± 0.040 χ^2/NDF : 143822.9/58

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.696 ± 0.072 χ^2/NDF : 1333.3/16

Left Out: -2.243 ± 0.064 χ^2/NDF : 1873.2/11

Right Out: -1.624 ± 0.067 χ^2/NDF : 1467.3/18

Left In: -2.373 ± 0.052 χ^2/NDF : 1683.5/10

Left: -2.321 ± 0.040 χ^2/NDF : 3559.1/22

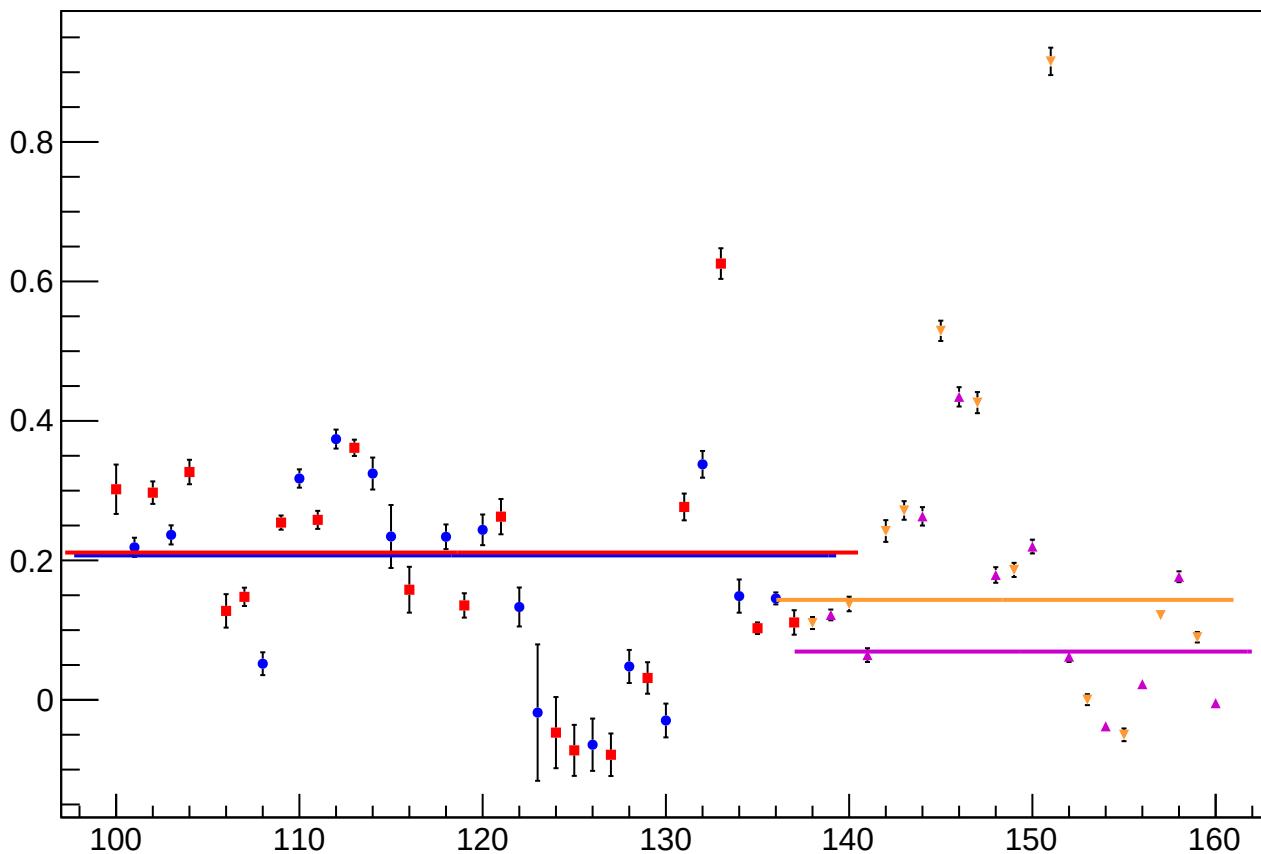
Right: -1.658 ± 0.049 χ^2/NDF : 2801.2/35

In: -2.138 ± 0.042 χ^2/NDF : 3075.3/27

Out: -1.947 ± 0.046 χ^2/NDF : 3385.0/30

All: -2.052 ± 0.031 χ^2/NDF : 6469.6/58

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected

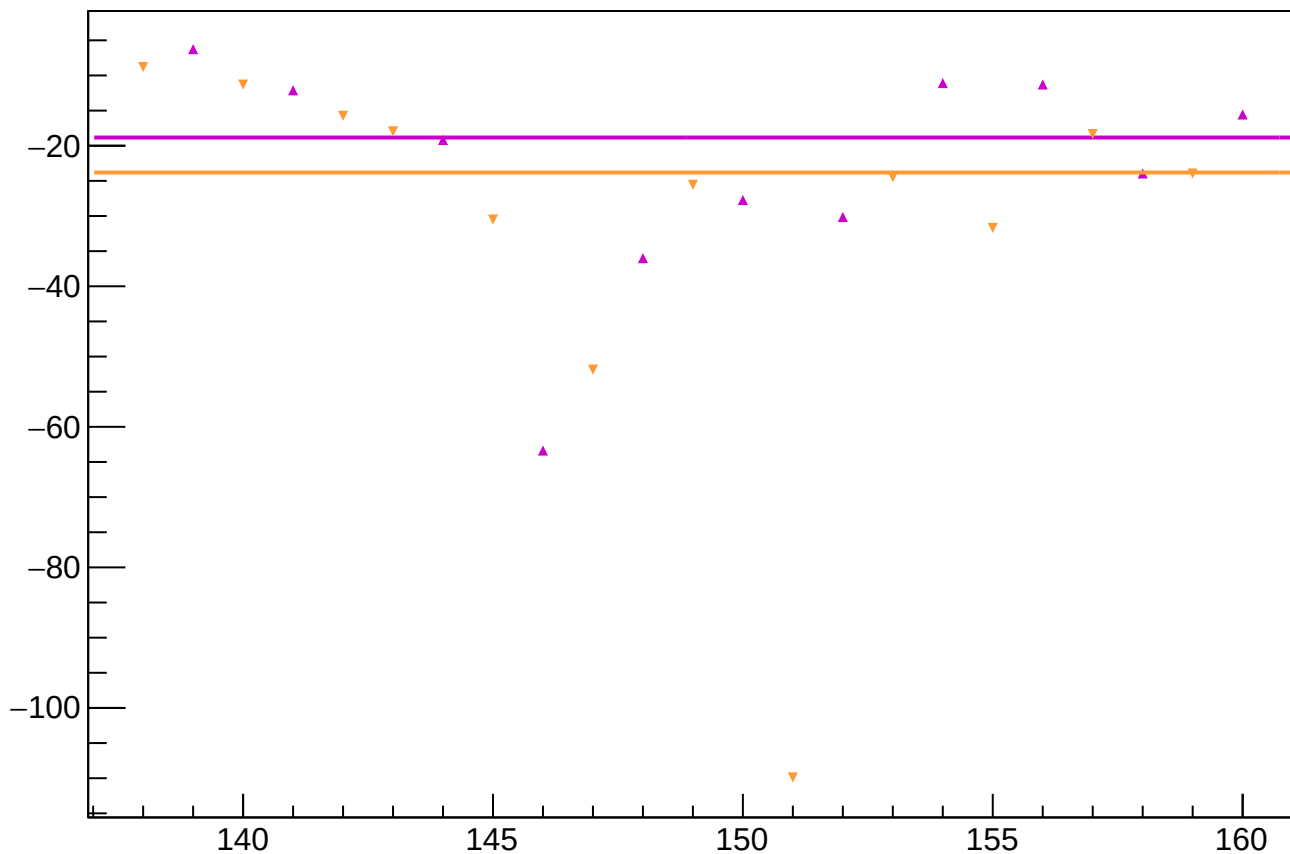


Left: 0.098 ± 0.002 $\chi^2/\text{NDF}: 6158.8/22$
 Right: 0.209 ± 0.003 $\chi^2/\text{NDF}: 1802.5/35$

Right In: 0.207 ± 0.004 $\chi^2/\text{NDF}: 656.3/16$
 Left Out: 0.143 ± 0.003 $\chi^2/\text{NDF}: 3603.1/11$
 Right Out: 0.211 ± 0.004 $\chi^2/\text{NDF}: 1145.7/18$
 Left In: 0.069 ± 0.002 $\chi^2/\text{NDF}: 2142.8/10$

In: 0.100 ± 0.002 $\chi^2/\text{NDF}: 3633.6/27$
 Out: 0.168 ± 0.002 $\chi^2/\text{NDF}: 4955.3/30$
 All: 0.130 ± 0.002 $\chi^2/\text{NDF}: 9091.9/58$

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.810+/-0.078 χ^2/NDF :49518.0/11
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -18.833+/-0.066 χ^2/NDF :36127.1/10

Left: -20.911+/-0.050 χ^2/NDF : 88019.0/22

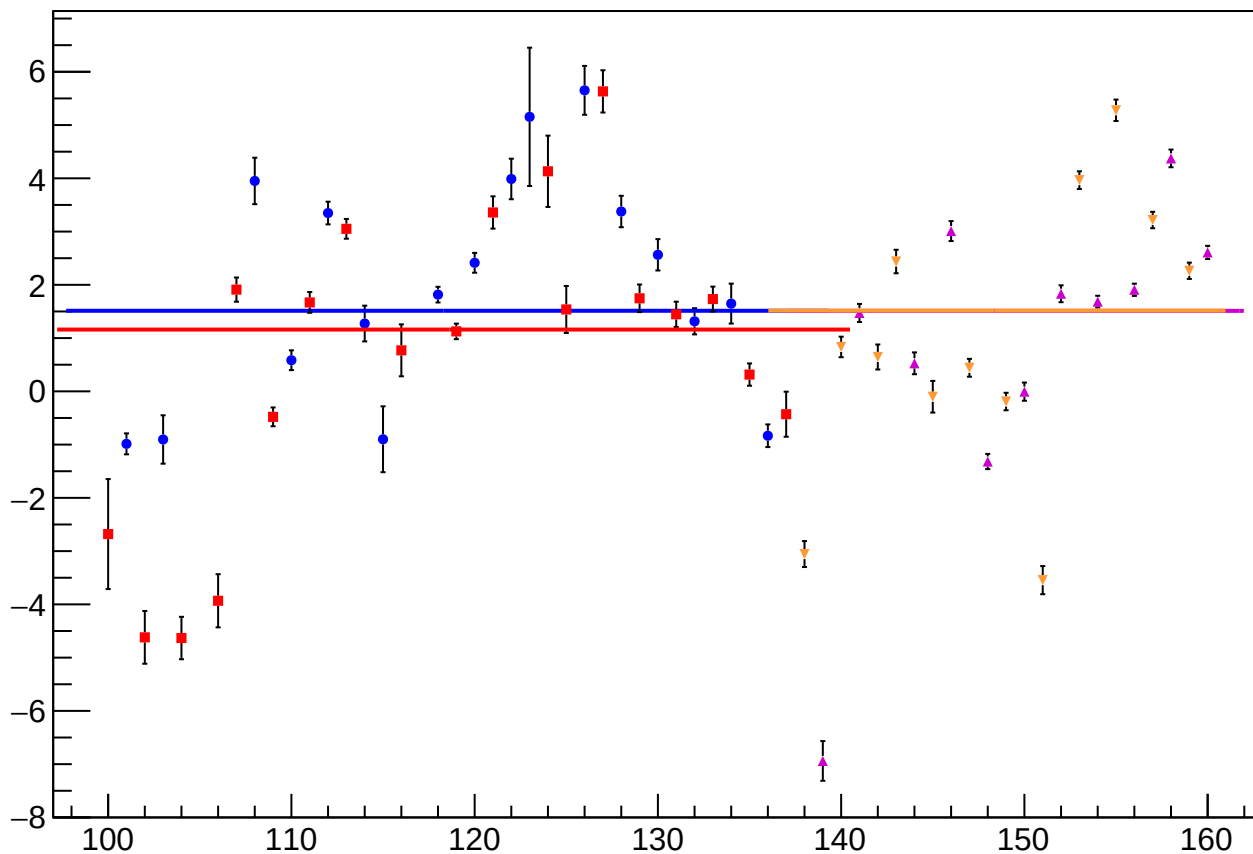
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.833+/-0.066 χ^2/NDF :36127.1/10

Out: -23.810+/-0.078 χ^2/NDF :49518.0/11

All: -20.911+/-0.050 χ^2/NDF : 88019.0/22

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.513 ± 0.063 χ^2/NDF : 669.7/16

Left Out: 1.517 ± 0.055 χ^2/NDF : 1653.9/11

Right Out: 1.160 ± 0.060 χ^2/NDF : 917.0/18

Left In: 1.511 ± 0.046 χ^2/NDF : 1465.6/10

Left: 1.513 ± 0.035 χ^2/NDF : 3119.6/22

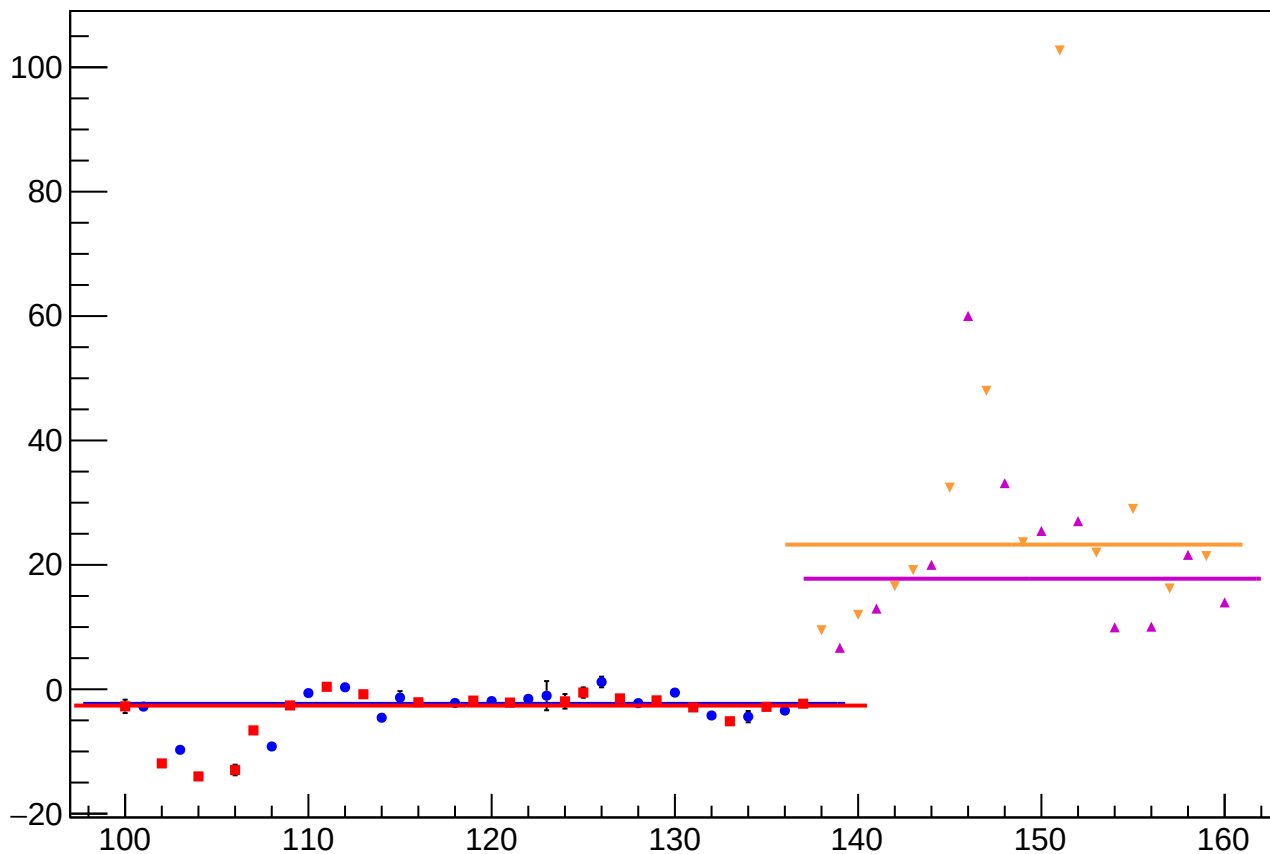
Right: 1.329 ± 0.043 χ^2/NDF : 1603.3/35

In: 1.512 ± 0.037 χ^2/NDF : 2135.4/27

Out: 1.353 ± 0.041 χ^2/NDF : 2590.0/30

All: 1.440 ± 0.027 χ^2/NDF : 4733.7/58

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.350 ± 0.114 χ^2/NDF : 439.7/16

Left Out: 23.257 ± 0.076 χ^2/NDF : 44822.7/11

Right Out: -2.624 ± 0.103 χ^2/NDF : 840.4/18

Left In: 17.774 ± 0.063 χ^2/NDF : 34034.9/10

Left: 20.007 ± 0.049 χ^2/NDF : 81913.4/22

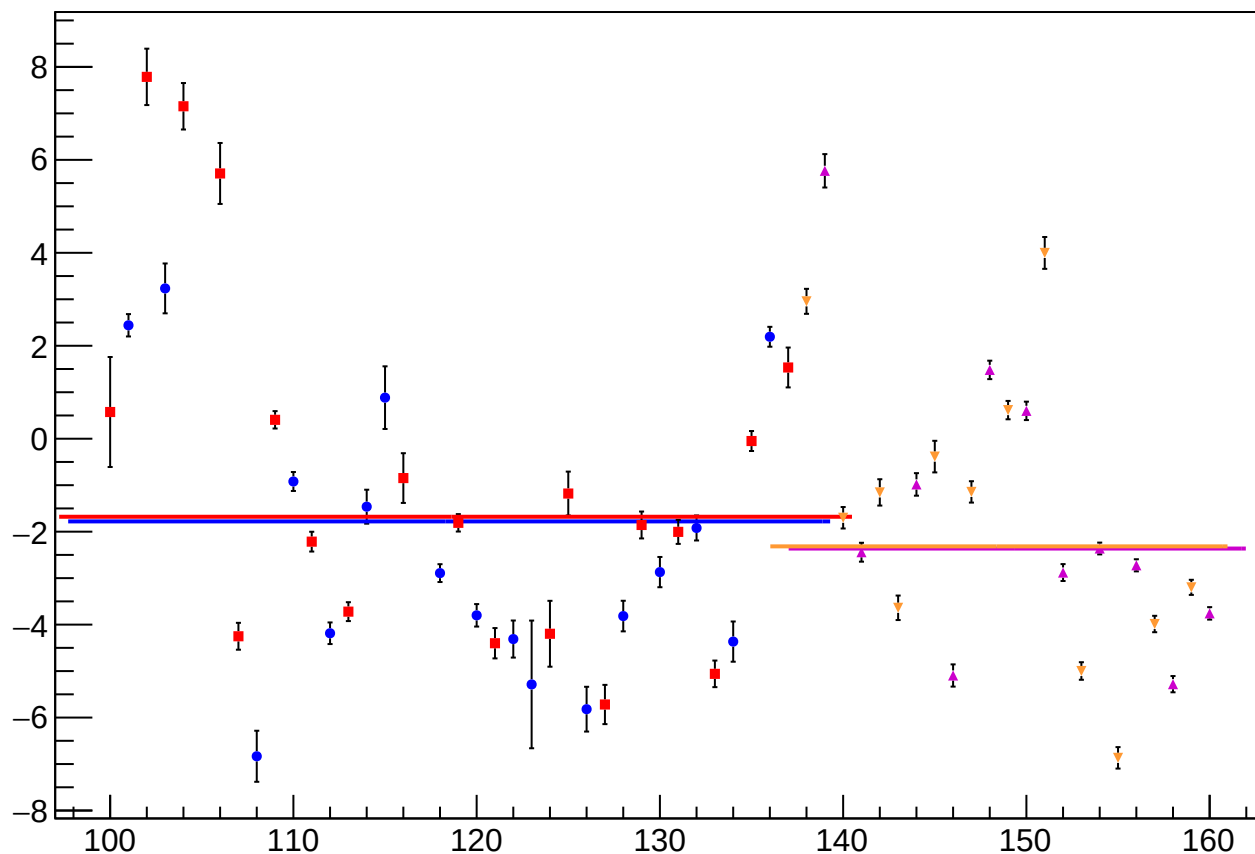
Right: -2.501 ± 0.077 χ^2/NDF : 1283.3/35

In: 13.050 ± 0.055 χ^2/NDF : 58196.1/27

Out: 14.104 ± 0.061 χ^2/NDF : 86288.5/30

All: 13.523 ± 0.041 χ^2/NDF : 144647.0/58

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.779 ± 0.072 χ^2/NDF : 1272.1/16

Left Out: -2.316 ± 0.065 χ^2/NDF : 1759.1/11

Right Out: -1.679 ± 0.068 χ^2/NDF : 1429.6/18

Left In: -2.363 ± 0.053 χ^2/NDF : 1675.7/10

Left: -2.344 ± 0.041 χ^2/NDF : 3435.1/22

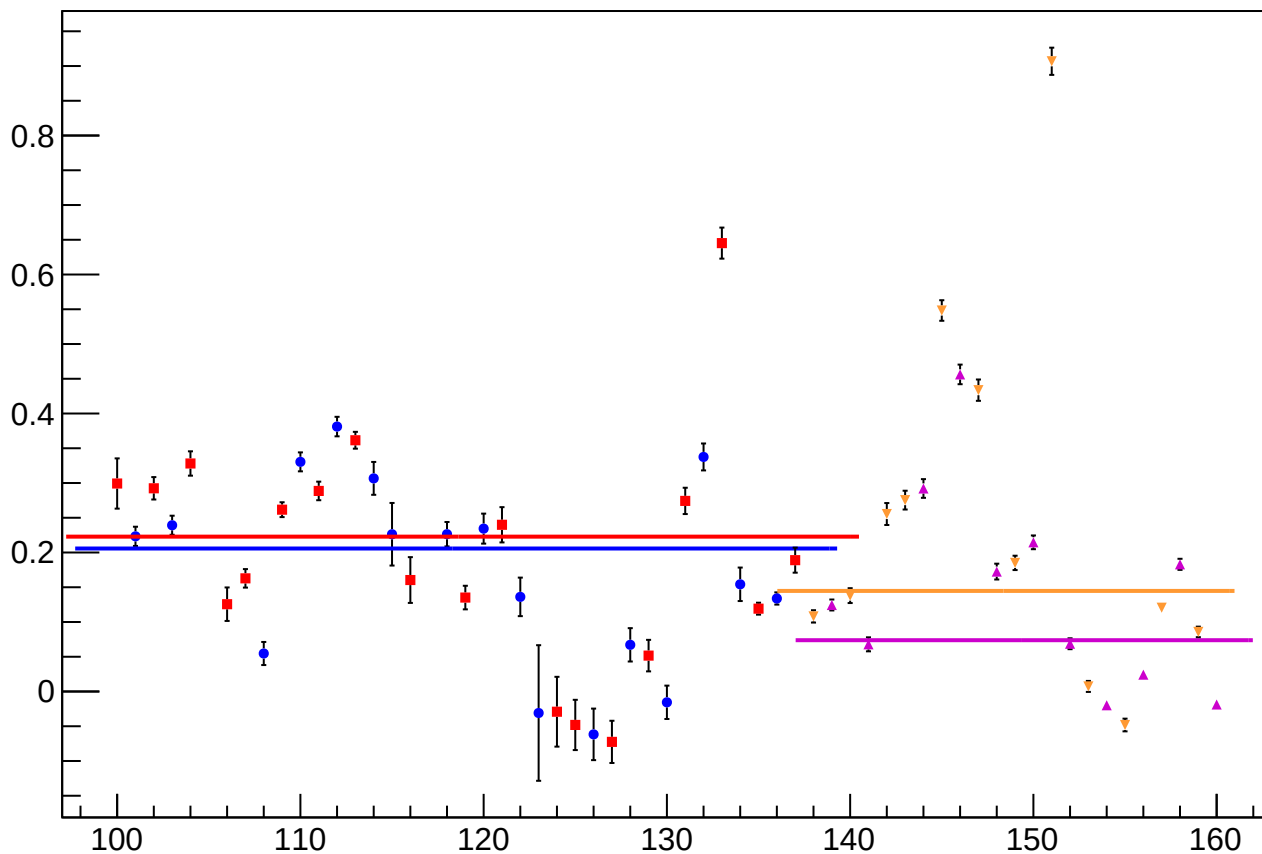
Right: -1.726 ± 0.050 χ^2/NDF : 2702.6/35

In: -2.159 ± 0.043 χ^2/NDF : 2990.3/27

Out: -2.013 ± 0.047 χ^2/NDF : 3234.7/30

All: -2.093 ± 0.032 χ^2/NDF : 6230.2/58

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.206 ± 0.004 χ^2/NDF : 651.8/16
 Left Out: 0.145 ± 0.003 χ^2/NDF : 3609.5/11
 Right Out: 0.223 ± 0.004 χ^2/NDF : 1042.2/18
 Left In: 0.074 ± 0.002 χ^2/NDF : 2141.1/10

Left: 0.101 ± 0.002 χ^2/NDF : 6117.8/22
 Right: 0.215 ± 0.003 χ^2/NDF : 1702.9/35
 In: 0.104 ± 0.002 χ^2/NDF : 3535.5/27
 Out: 0.173 ± 0.002 χ^2/NDF : 4916.1/30
 All: 0.134 ± 0.002 χ^2/NDF : 8959.0/58