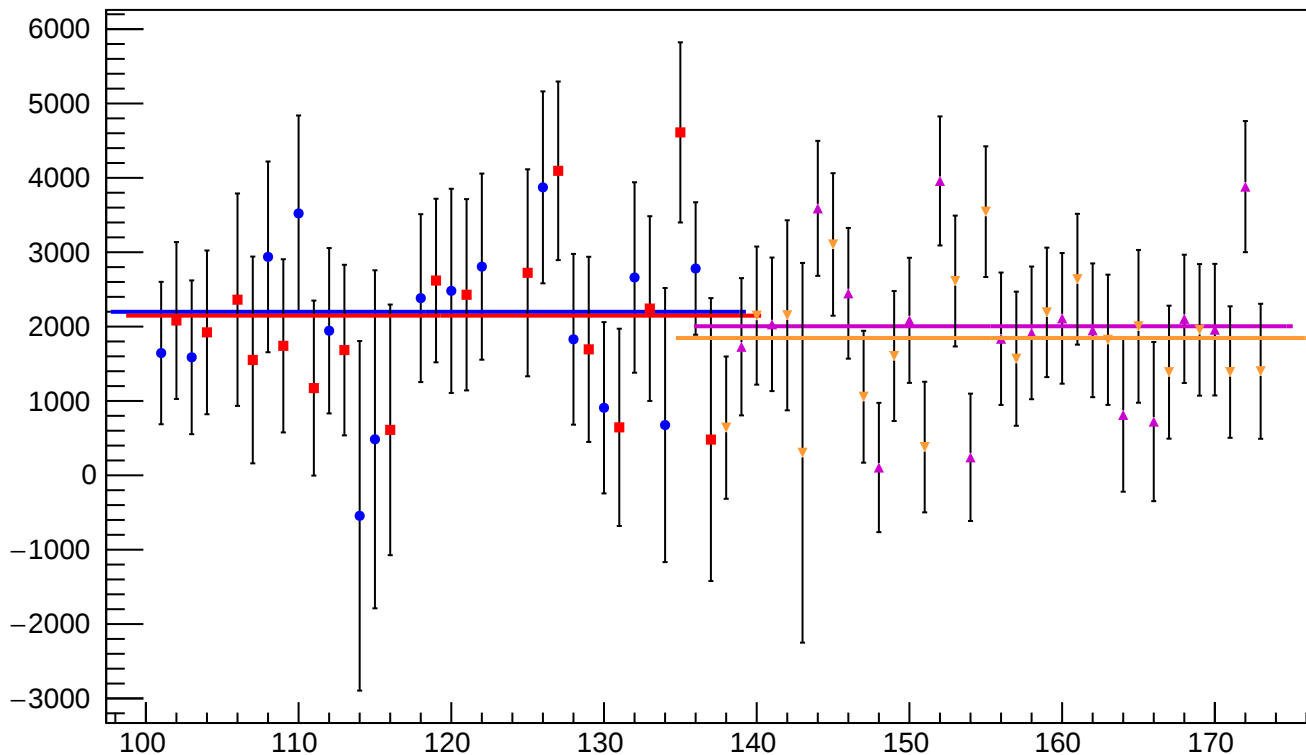


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2198.880 $\pm$ 306.767

χ^2/NDF : 8.6/15

Left Out: 1846.840 $\pm$ 214.734

χ^2/NDF :13.9/18

Right Out: 2147.149 $\pm$ 304.804

χ^2/NDF : 11.4/16

Left In: 2004.519 $\pm$ 217.591

χ^2/NDF :24.9/16

Left: 1924.638 $\pm$ 152.840

χ^2/NDF : 39.0/35

Right: 2172.848 $\pm$ 216.219

χ^2/NDF : 20.0/32

In: 2069.575 $\pm$ 177.478

χ^2/NDF :33.7/32

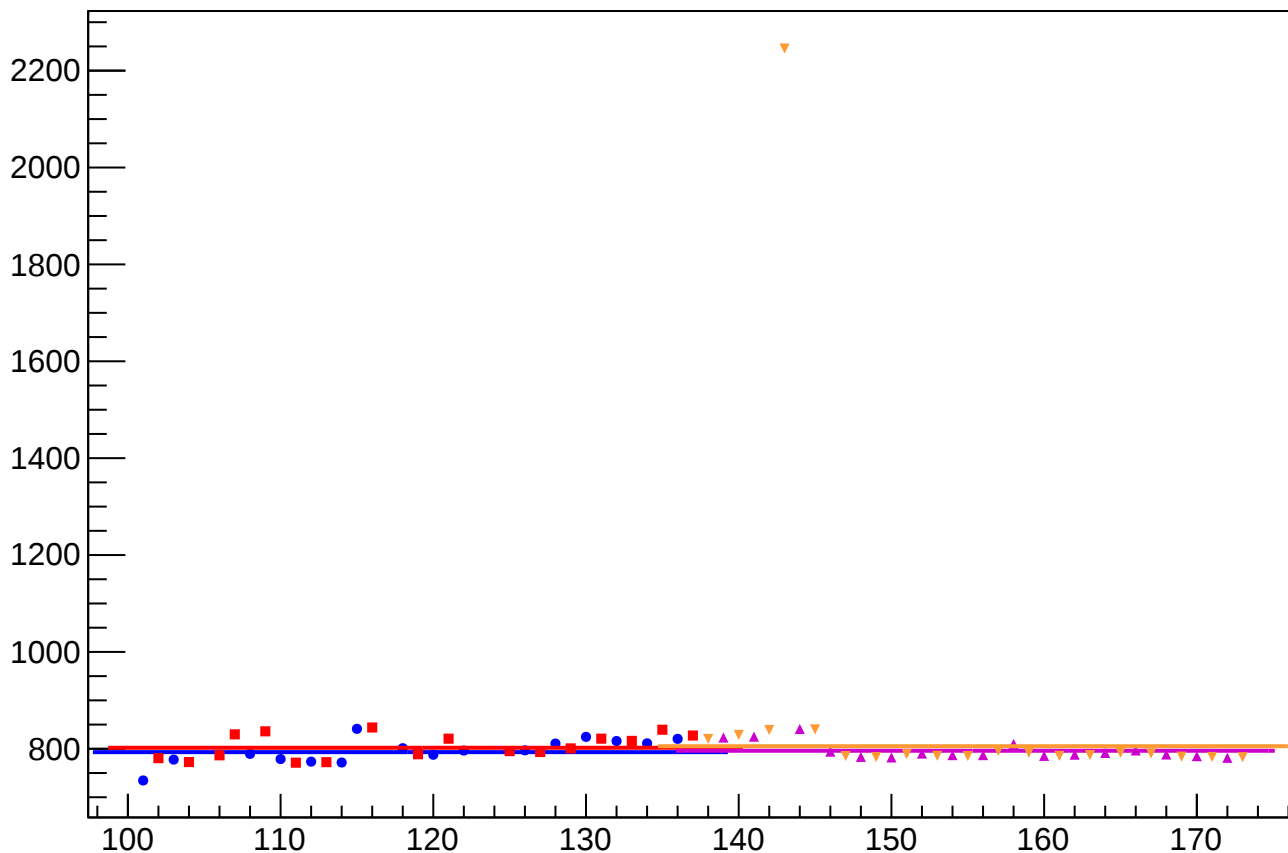
Out: 1946.451 $\pm$ 175.545

χ^2/NDF :25.9/35

All: 2007.339 $\pm$ 124.807

χ^2/NDF : 59.9/68

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 793.091+/-0.217 χ^2/NDF : 14703.0/15

Left Out: 805.342+/-0.152 χ^2/NDF : 654632.9/18

Right Out: 802.148+/-0.216 χ^2/NDF : 12723.5/16

Left In: 795.975+/-0.154 χ^2/NDF : 12263.6/16

Left: 800.721+/-0.108 χ^2/NDF : 668774.2/35

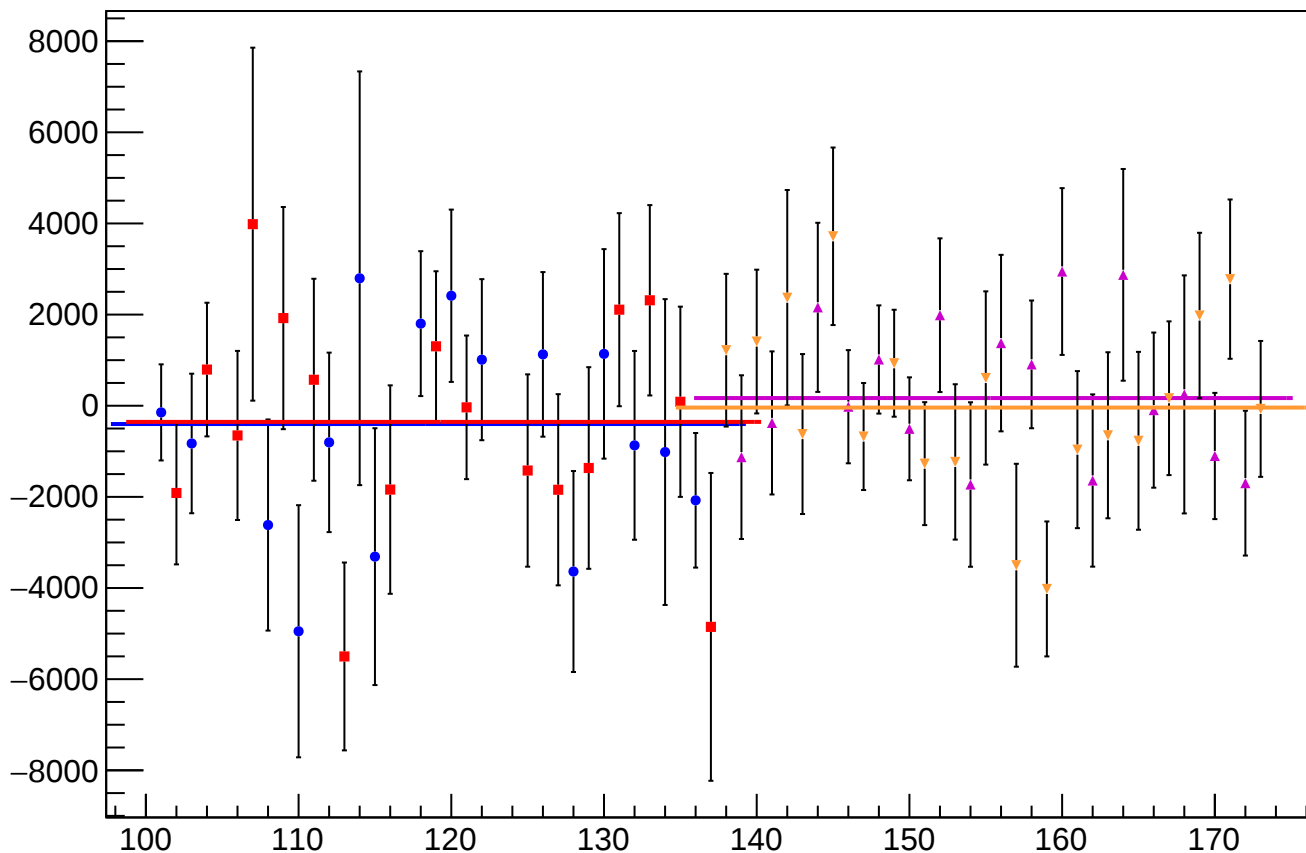
Right: 797.648+/-0.153 χ^2/NDF : 28303.8/32

In: 795.010+/-0.125 χ^2/NDF : 27084.3/32

Out: 804.283+/-0.124 χ^2/NDF : 667503.2/35

All: 799.697+/-0.088 χ^2/NDF : 697347.2/68

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: -401.464+/-468.669 χ^2/NDF : 14.8/15

Left Out: -40.408+/-374.288 χ^2/NDF : 22.7/18

Right Out: -354.462+/-486.525 χ^2/NDF : 17.4/16

Left In: 168.395+/-384.745 χ^2/NDF : 12.4/16

Left: 61.117+/-268.282 χ^2/NDF : 35.3/35

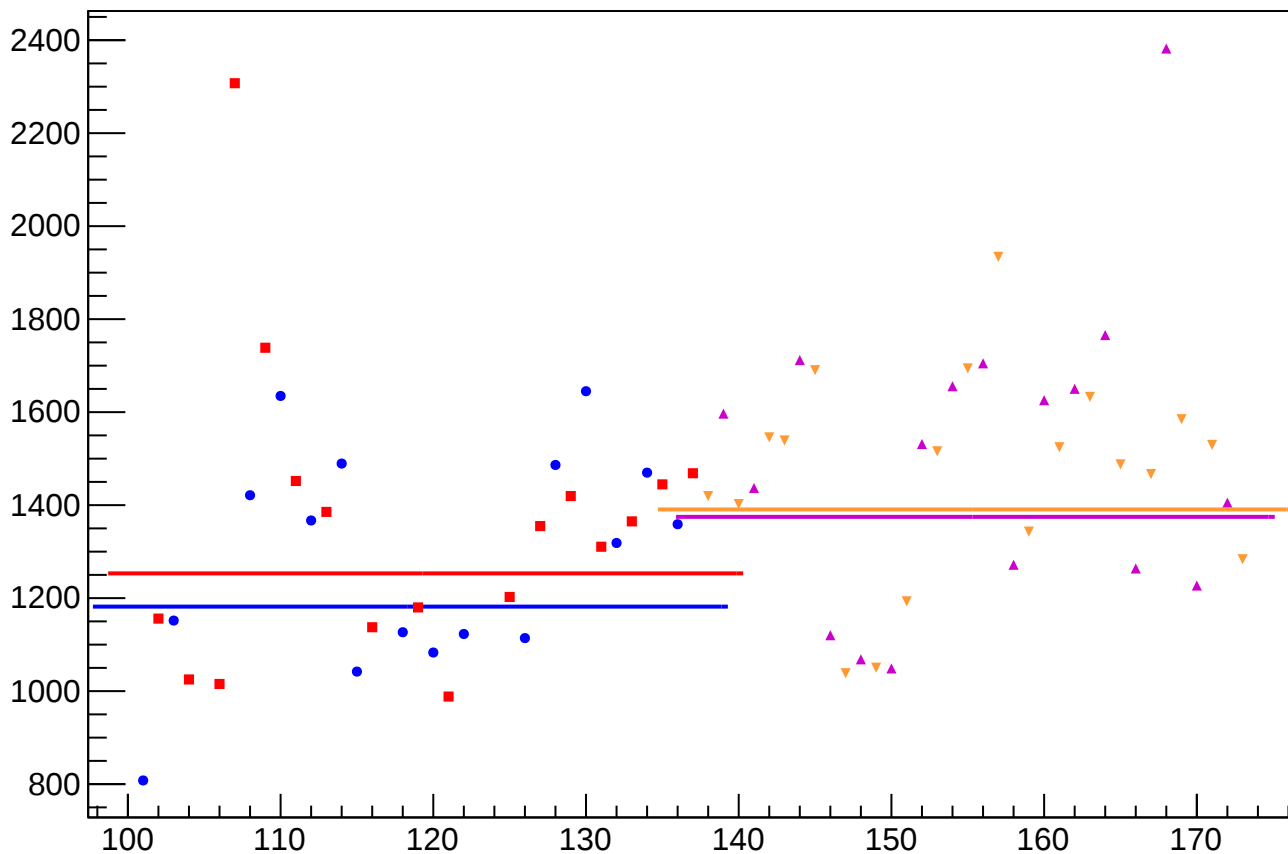
Right: -378.842+/-337.535 χ^2/NDF : 32.2/32

In: -61.032+/-297.375 χ^2/NDF : 28.1/32

Out: -157.172+/-296.658 χ^2/NDF : 40.4/35

All: -109.218+/-210.022 χ^2/NDF : 68.6/68

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1181.767 $\pm$ 0.331 χ^2 /NDF: 543493.3/15

Left Out: 1390.692 $\pm$ 0.265 χ^2 /NDF: 747053.0/18

Right Out: 1253.221 $\pm$ 0.344 χ^2 /NDF: 455640.3/16

Left In: 1374.792 $\pm$ 0.272 χ^2 /NDF: 1084439.0/16

Left: 1382.961 $\pm$ 0.190 χ^2 /NDF: 1833246.9/35

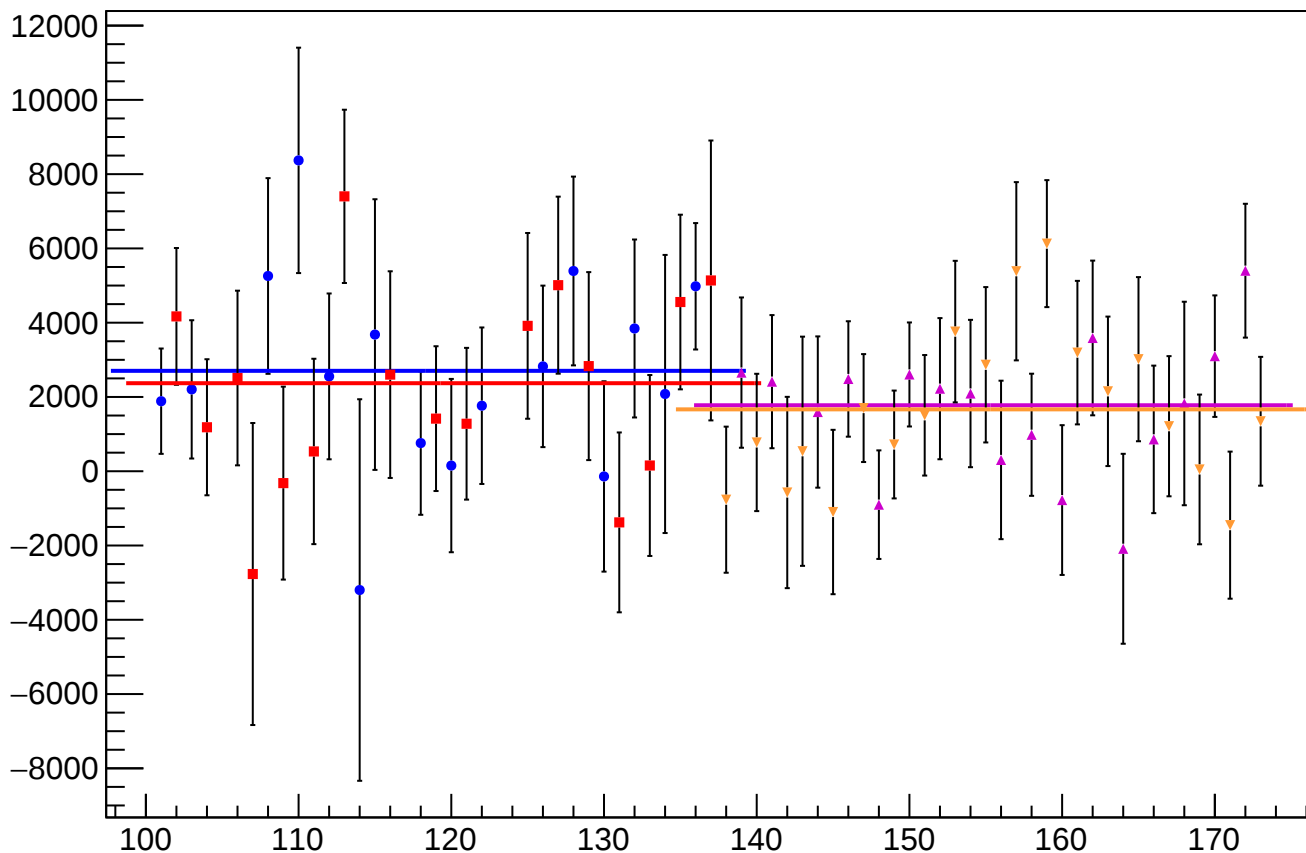
Right: 1216.159 $\pm$ 0.239 χ^2 /NDF: 1021509.6/32

In: 1297.079 $\pm$ 0.210 χ^2 /NDF: 1830601.1/32

Out: 1339.581 $\pm$ 0.210 χ^2 /NDF: 1303002.6/35

All: 1318.381 $\pm$ 0.149 χ^2 /NDF: 3154080.0/68

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2703.689 $\pm$ 564.506 χ^2 /NDF: 13.0/15

Left Out: 1666.082 $\pm$ 438.873 χ^2 /NDF:19.7/18

Right Out: 2370.617 $\pm$ 573.481 χ^2 /NDF: 16.0/16

Left In: 1776.711 $\pm$ 446.933 χ^2 /NDF:14.6/16

Left: 1720.390 $\pm$ 313.141 χ^2 /NDF: 34.3/35

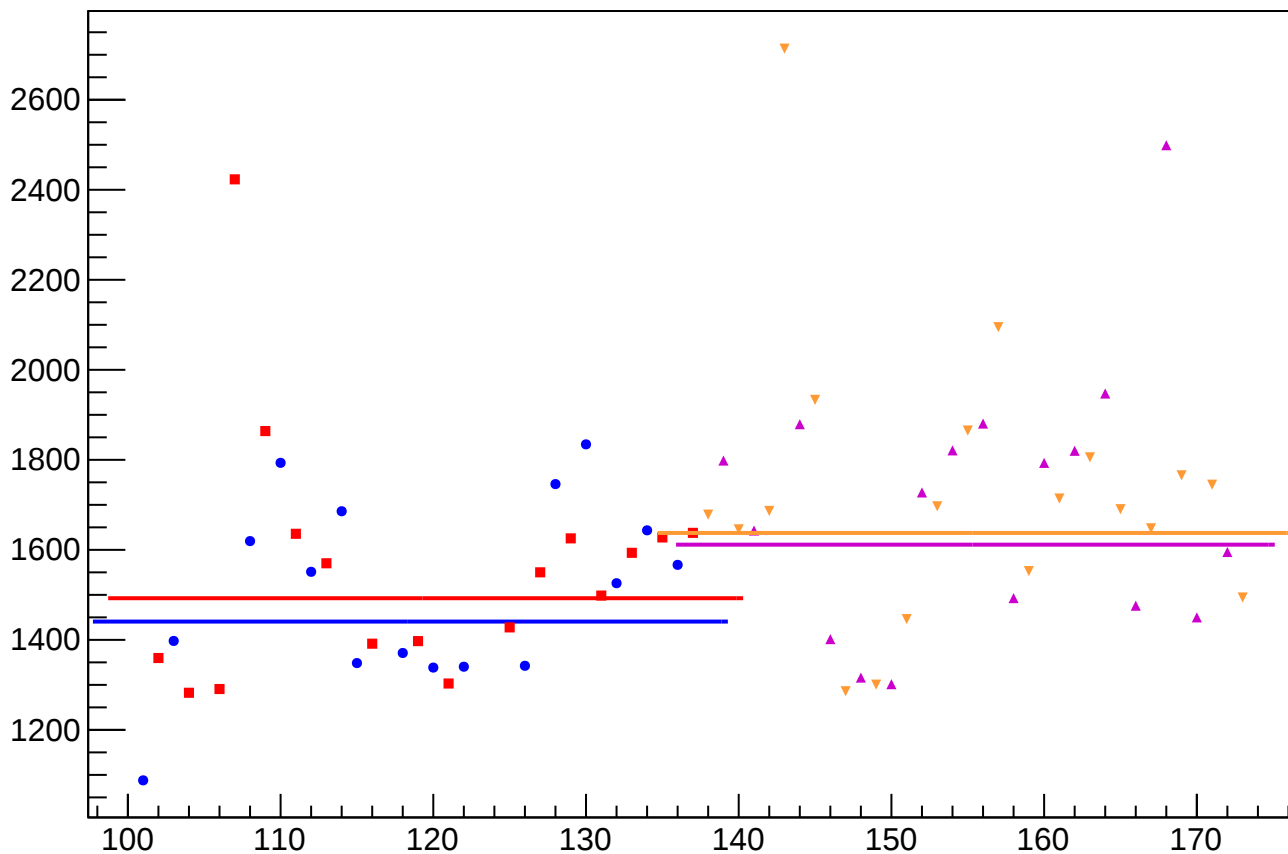
Right: 2539.780 $\pm$ 402.301 χ^2 /NDF: 29.2/32

In: 2133.881 $\pm$ 350.406 χ^2 /NDF:29.3/32

Out: 1926.298 $\pm$ 348.526 χ^2 /NDF:36.7/35

All: 2029.532 $\pm$ 247.107 χ^2 /NDF: 66.1/68

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1440.653 $\pm$ 0.399 χ^2 /NDF: 282262.6/15

Left Out: 1637.570 $\pm$ 0.310 χ^2 /NDF: 682140.0/18

Right Out: 1492.529 $\pm$ 0.406 χ^2 /NDF: 251506.2/16

Left In: 1611.525 $\pm$ 0.316 χ^2 /NDF: 649933.4/16

Left: 1624.784 $\pm$ 0.221 χ^2 /NDF: 1335531.0/35

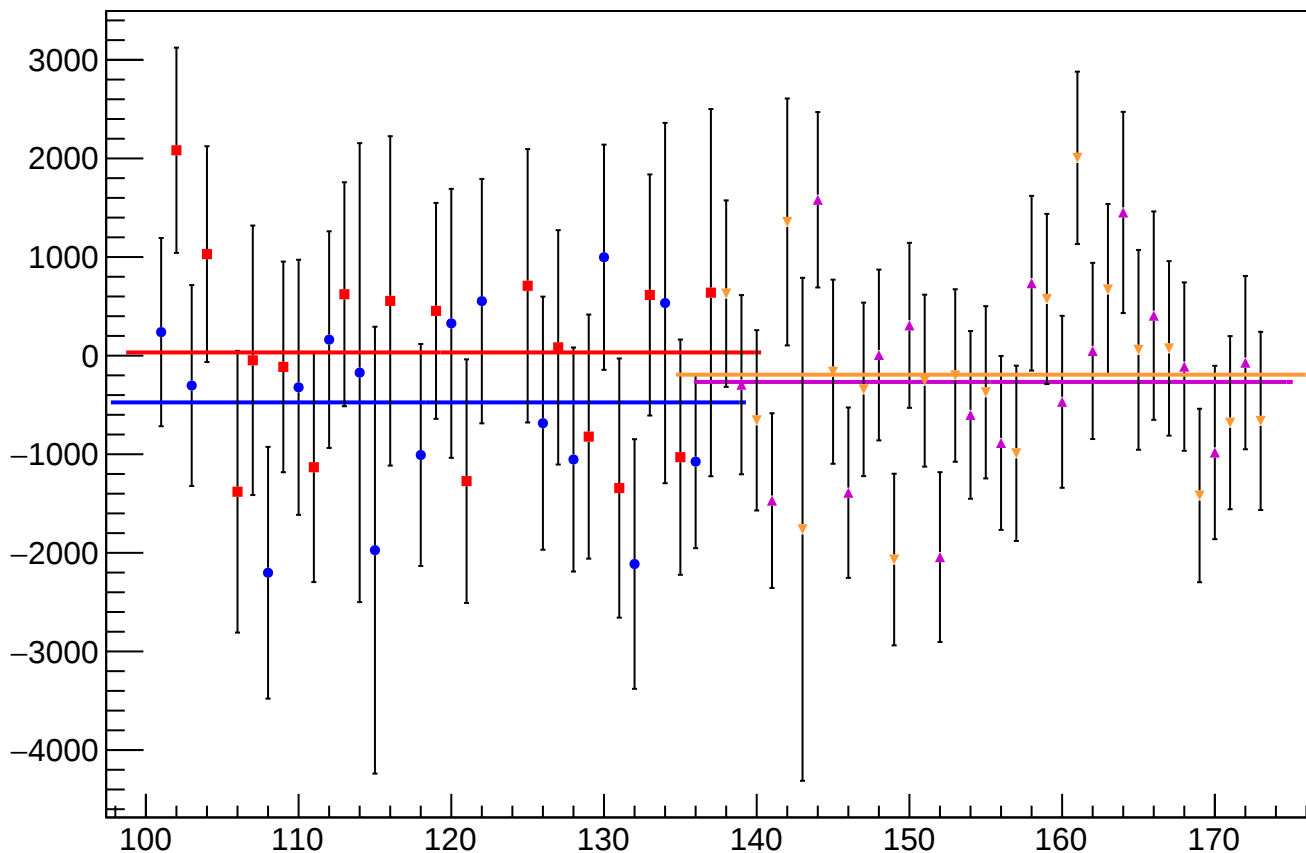
Right: 1466.182 $\pm$ 0.284 χ^2 /NDF: 542080.9/32

In: 1545.687 $\pm$ 0.248 χ^2 /NDF: 1044837.4/32

Out: 1584.000 $\pm$ 0.246 χ^2 /NDF: 1014325.1/35

All: 1564.946 $\pm$ 0.175 χ^2 /NDF: 2071181.7/68

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -474.136 $\pm$ 303.914 χ^2/NDF : 8.9/15

Left Out: -193.082 $\pm$ 212.688 χ^2/NDF :19.2/18

Right Out: 32.454 $\pm$ 299.611 χ^2/NDF : 11.3/16

Left In: -266.870 $\pm$ 215.546 χ^2/NDF :18.8/16

Left: -229.484 $\pm$ 151.393 χ^2/NDF : 38.0/35

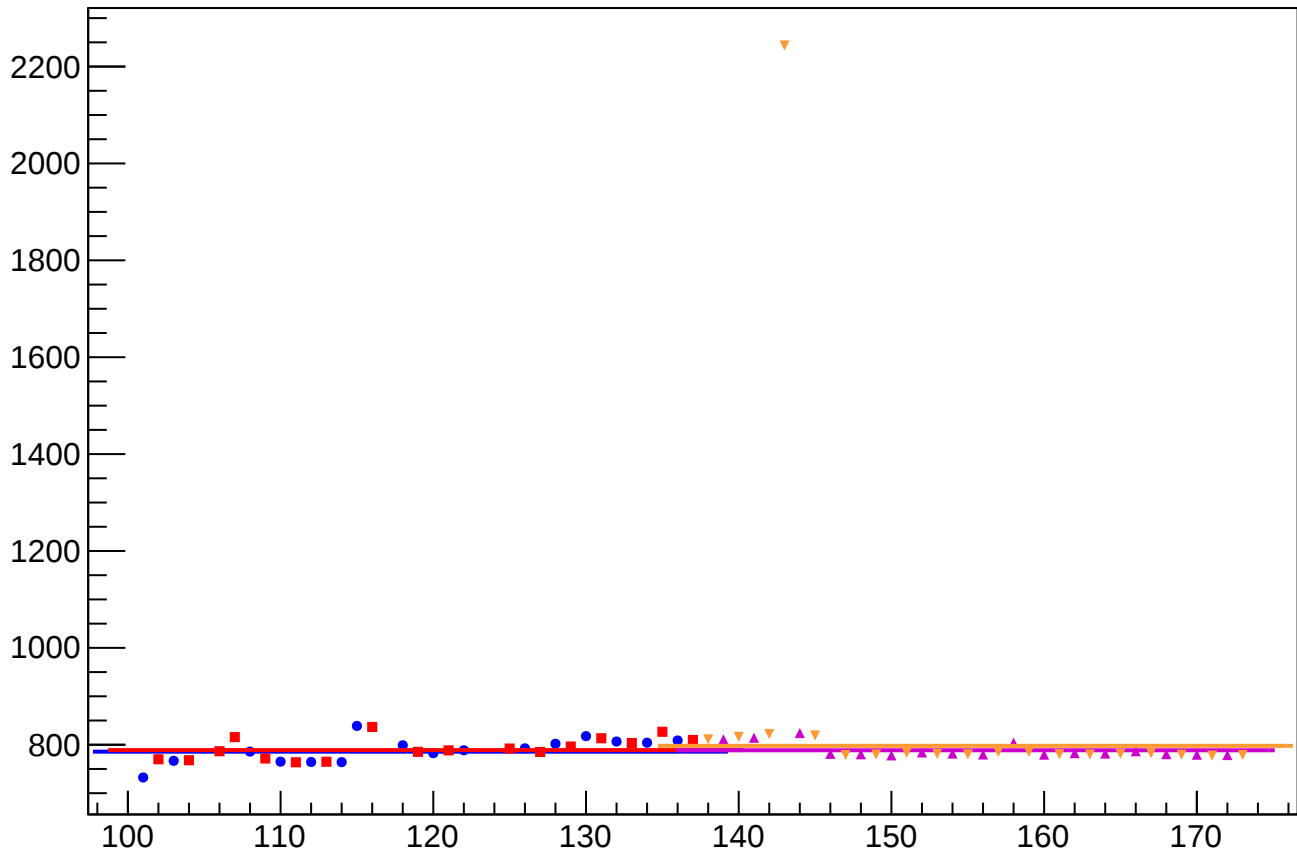
Right: -217.229 $\pm$ 213.362 χ^2/NDF : 21.6/32

In: -336.235 $\pm$ 175.816 χ^2/NDF :27.9/32

Out: -117.511 $\pm$ 173.432 χ^2/NDF :30.9/35

All: -225.380 $\pm$ 123.469 χ^2/NDF : 59.6/68

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 785.746 $\pm$ 0.215 χ^2/NDF : 13921.5/15

Left Out: 797.742 $\pm$ 0.150 χ^2/NDF : 655768.8/18

Right Out: 788.940 $\pm$ 0.212 χ^2/NDF : 9525.0/16

Left In: 788.589 $\pm$ 0.152 χ^2/NDF : 8850.3/16

Left: 793.227 $\pm$ 0.107 χ^2/NDF : 666446.7/35

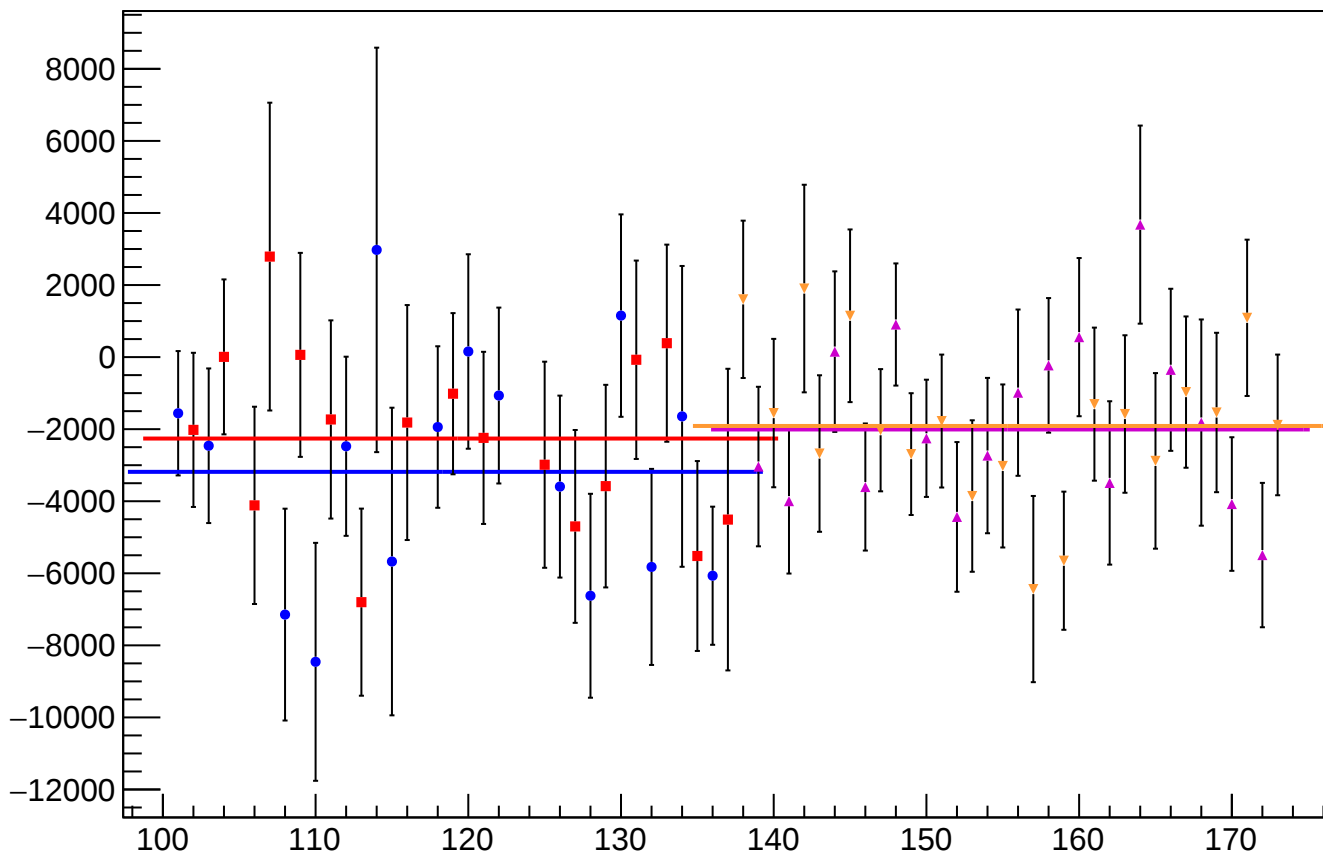
Right: 787.366 $\pm$ 0.151 χ^2/NDF : 23558.6/32

In: 787.637 $\pm$ 0.124 χ^2/NDF : 22888.3/32

Out: 794.793 $\pm$ 0.123 χ^2/NDF : 666441.6/35

All: 791.264 $\pm$ 0.087 χ^2/NDF : 691009.0/68

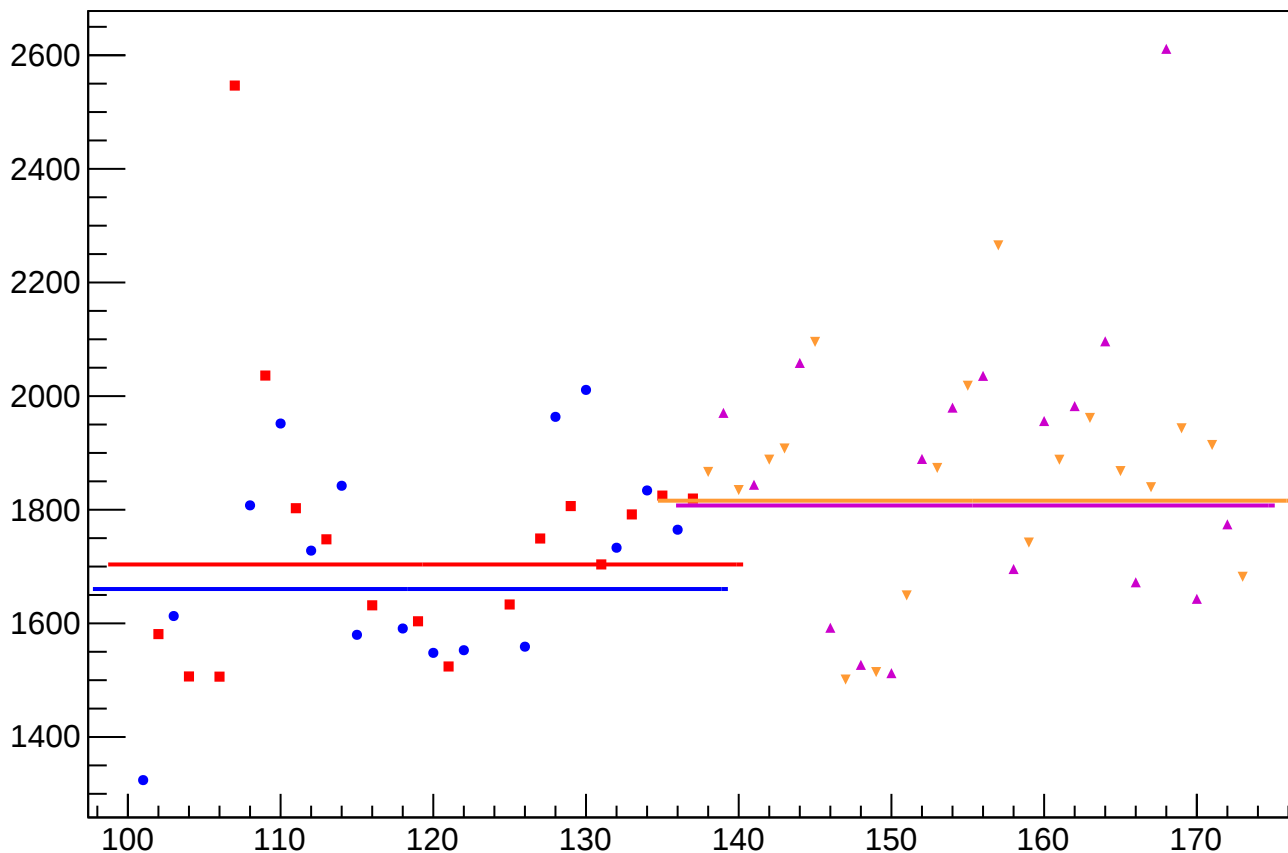
asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -3184.522 ± 647.361 $\chi^2/\text{NDF}: 16.8/15$
 Left Out: -1911.002 ± 482.641 $\chi^2/\text{NDF}: 16.7/18$
 Right Out: -2260.241 ± 651.957 $\chi^2/\text{NDF}: 11.6/16$
 Left In: -2008.411 ± 498.996 $\chi^2/\text{NDF}: 19.4/16$

Left: -1958.084 ± 346.917 $\chi^2/\text{NDF}: 36.1/35$
 Right: -2725.651 ± 459.370 $\chi^2/\text{NDF}: 29.4/32$
 In: -2446.759 ± 395.214 $\chi^2/\text{NDF}: 38.3/32$
 Out: -2034.640 ± 387.913 $\chi^2/\text{NDF}: 28.5/35$
 All: -2236.858 ± 276.841 $\chi^2/\text{NDF}: 67.3/68$

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 1660.462 $\pm$ 0.458 χ^2 /NDF: 179206.0/15

Left Out: 1815.934 $\pm$ 0.341 χ^2 /NDF:295680.0/18

Right Out: 1703.679 $\pm$ 0.461 χ^2 /NDF: 171025.5/16

Left In: 1807.487 $\pm$ 0.353 χ^2 /NDF:454242.2/16

Left: 1811.851 $\pm$ 0.245 χ^2 /NDF: 750218.3/35

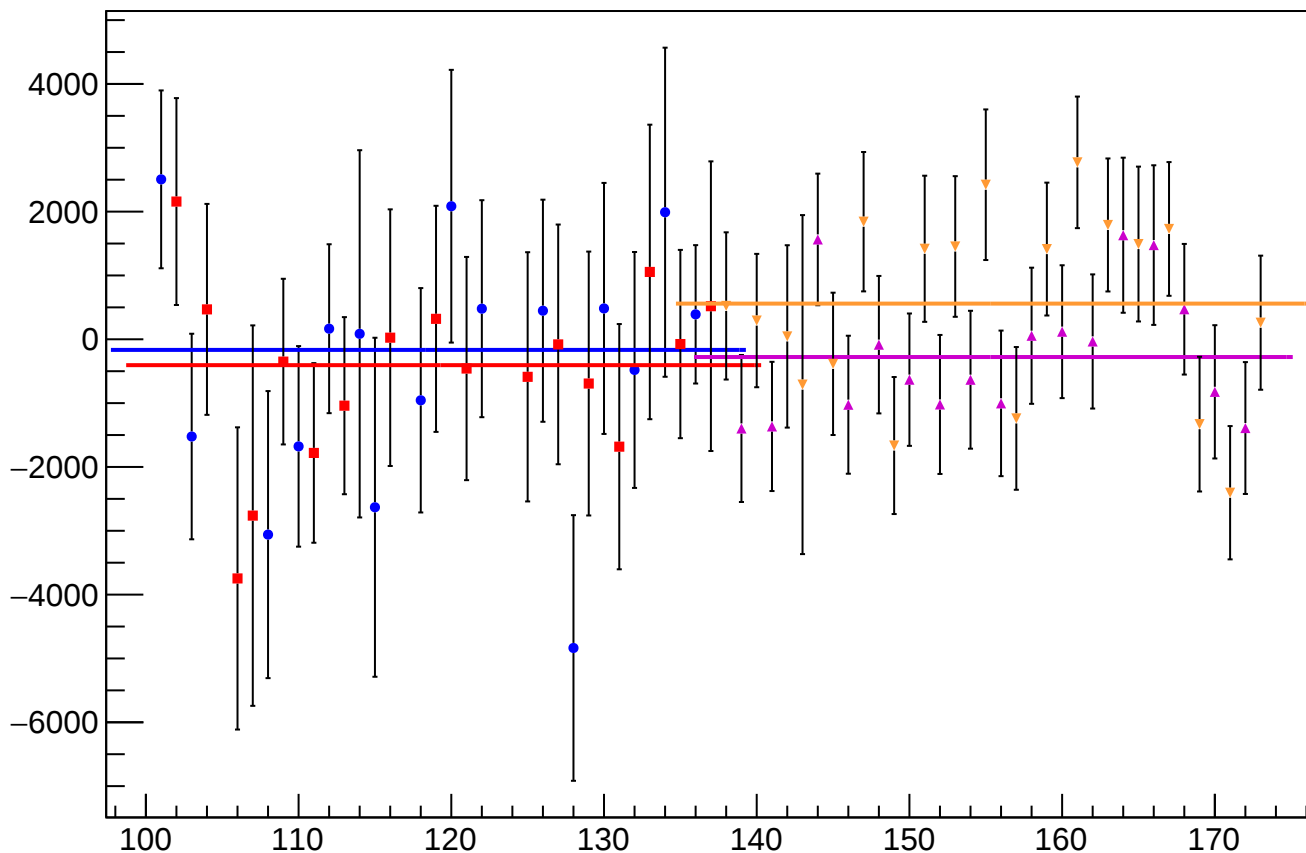
Right: 1681.918 $\pm$ 0.325 χ^2 /NDF: 354656.9/32

In: 1752.689 $\pm$ 0.279 χ^2 /NDF:698160.9/32

Out: 1776.194 $\pm$ 0.274 χ^2 /NDF:505007.4/35

All: 1764.661 $\pm$ 0.196 χ^2 /NDF: 1206771.3/68

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -166.359 ± 432.680 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 558.924 ± 258.050 $\chi^2/\text{NDF}: 33.0/18$

Right Out: -405.286 ± 428.618 $\chi^2/\text{NDF}: 7.9/16$

Left In: -277.833 ± 261.485 $\chi^2/\text{NDF}: 13.6/16$

Left: 146.078 ± 183.671 $\chi^2/\text{NDF}: 51.8/35$

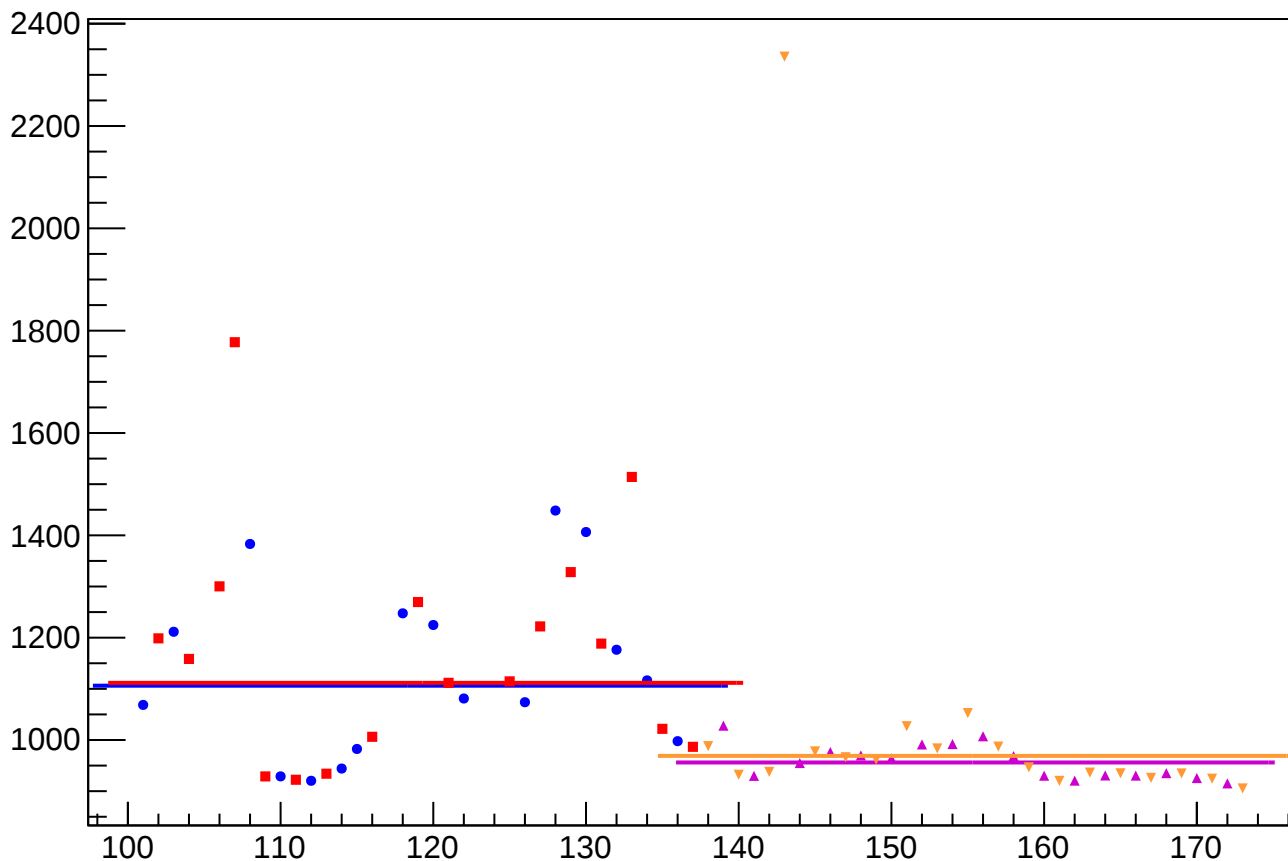
Right: -286.949 ± 304.505 $\chi^2/\text{NDF}: 23.7/32$

In: -248.011 ± 223.792 $\chi^2/\text{NDF}: 29.3/32$

Out: 302.409 ± 221.076 $\chi^2/\text{NDF}: 44.6/35$

All: 30.560 ± 157.276 $\chi^2/\text{NDF}: 76.9/68$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1106.159 ± 0.306 $\chi^2/NDF: 259917.7/15$

Left Out: 968.976 ± 0.182 $\chi^2/NDF: 575449.1/18$

Right Out: 1111.726 ± 0.303 $\chi^2/NDF: 356388.5/16$

Left In: 956.083 ± 0.185 $\chi^2/NDF: 29816.7/16$

Left: 962.615 ± 0.130 $\chi^2/NDF: 607729.0/35$

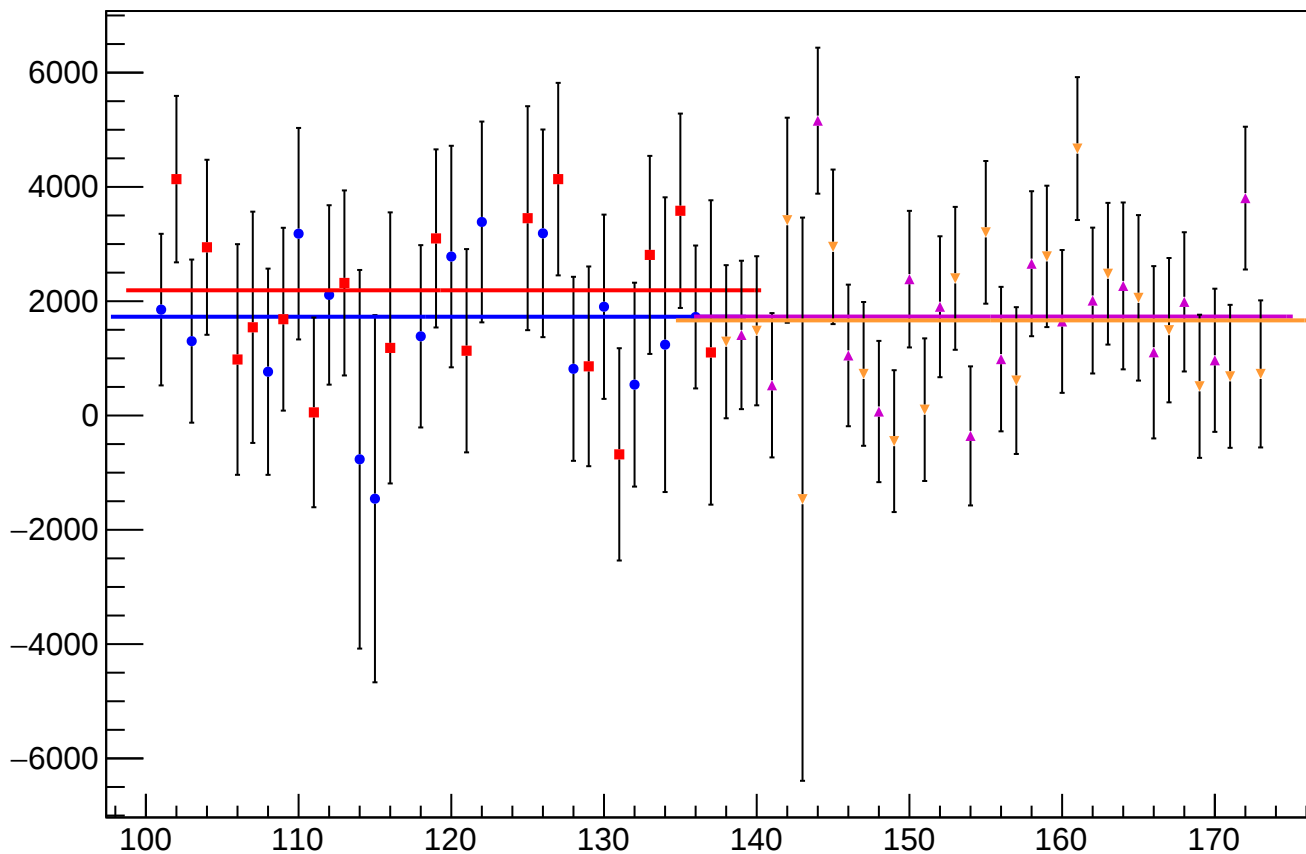
Right: 1108.969 ± 0.215 $\chi^2/NDF: 616473.4/32$

In: 996.231 ± 0.158 $\chi^2/NDF: 465978.2/32$

Out: 1006.952 ± 0.156 $\chi^2/NDF: 1094661.0/35$

All: 1001.657 ± 0.111 $\chi^2/NDF: 1562962.2/68$

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1728.463 $\pm$ 429.803 χ^2/NDF : 5.3/15

Left Out: 1664.539 $\pm$ 304.537 χ^2/NDF : 19.0/18

Right Out: 2190.971 $\pm$ 427.222 χ^2/NDF : 10.8/16

Left In: 1731.659 $\pm$ 308.086 χ^2/NDF : 17.9/16

Left: 1697.710 $\pm$ 216.584 χ^2/NDF : 37.0/35

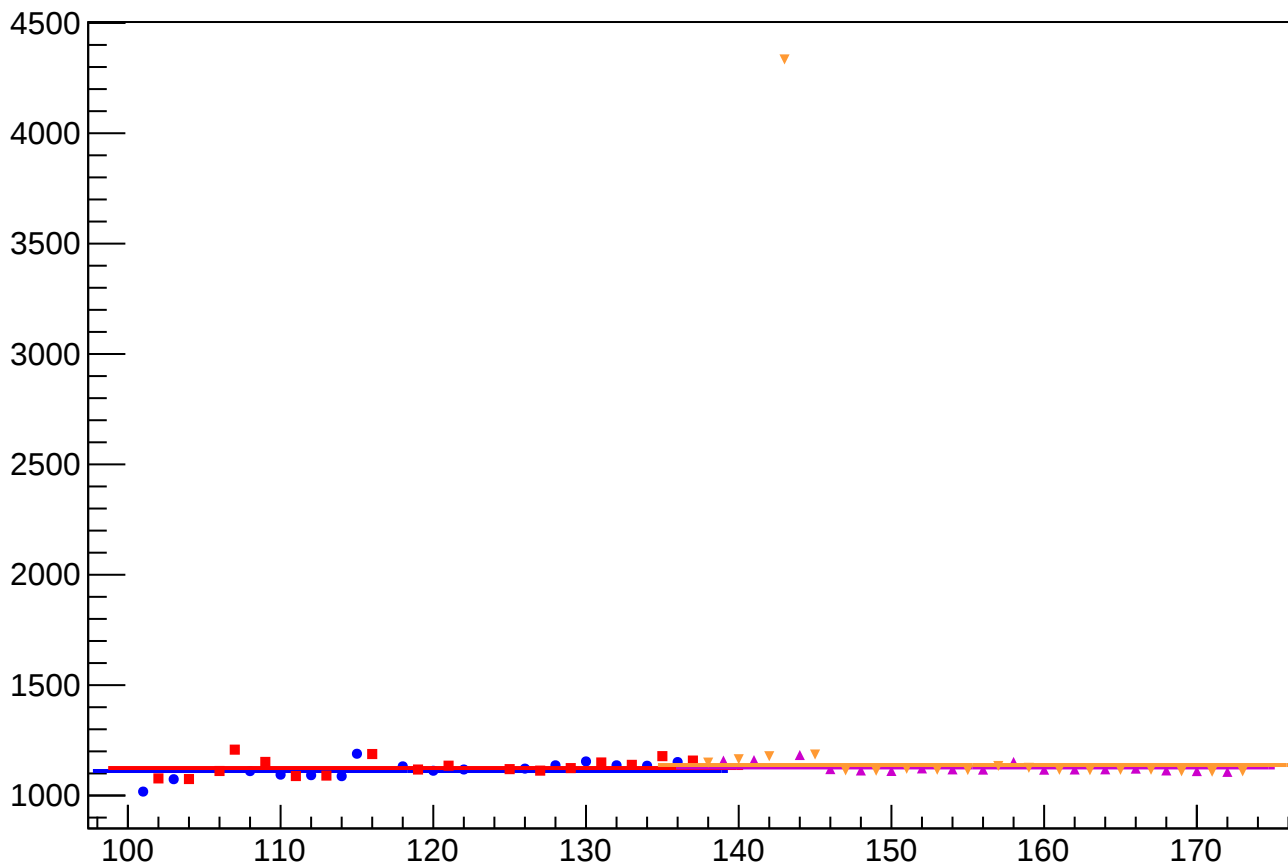
Right: 1961.110 $\pm$ 303.000 χ^2/NDF : 16.7/32

In: 1730.574 $\pm$ 250.401 χ^2/NDF : 23.2/32

Out: 1841.908 $\pm$ 247.982 χ^2/NDF : 30.9/35

All: 1786.781 $\pm$ 176.199 χ^2/NDF : 54.2/68

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1111.042+/-0.304 χ^2/NDF : 18091.1/15

Left Out: 1138.136+/-0.215 χ^2/NDF : 854919.6/18

Right Out: 1124.514+/-0.302 χ^2/NDF : 14600.7/16

Left In: 1127.086+/-0.218 χ^2/NDF : 9570.8/16

Left: 1132.675+/-0.153 χ^2/NDF : 865791.8/35

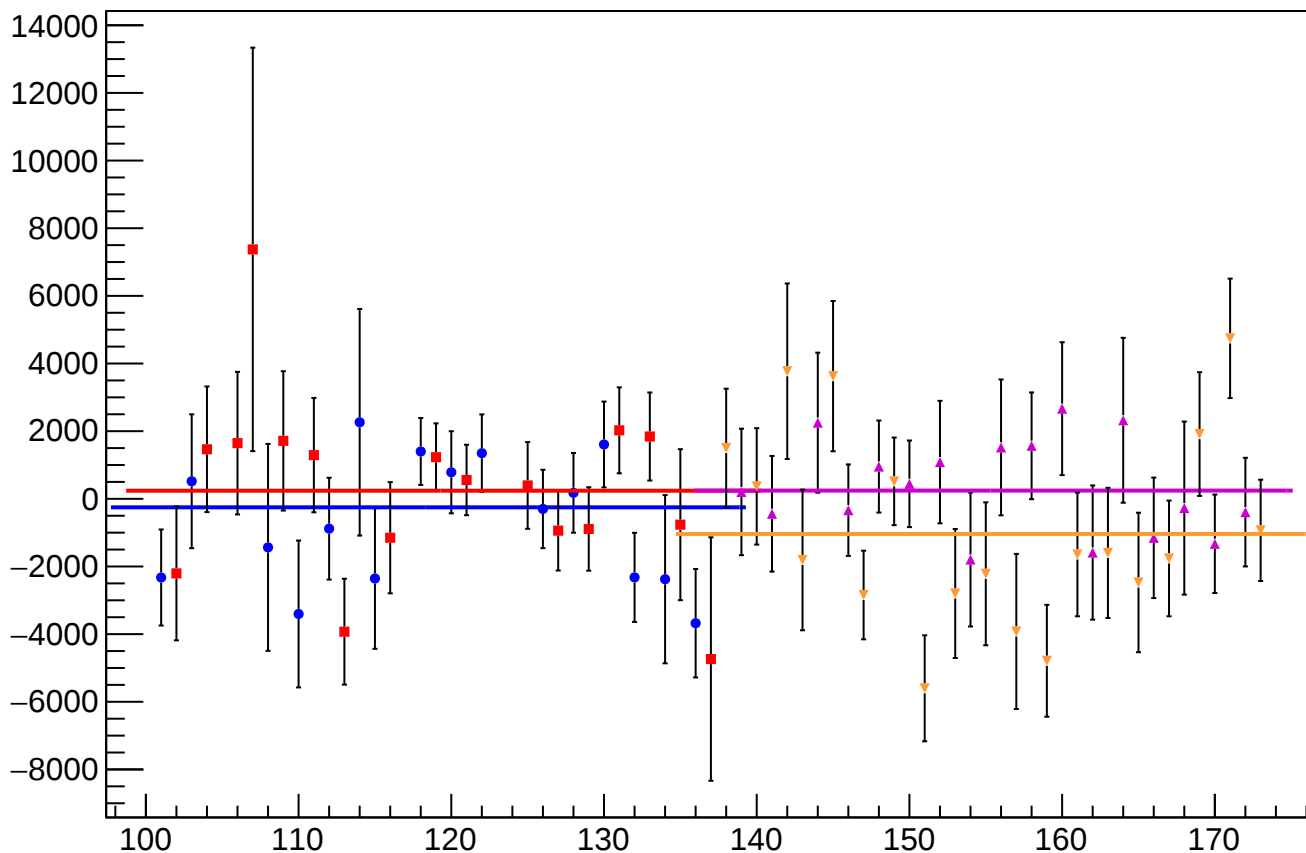
Right: 1117.819+/-0.214 χ^2/NDF : 33680.2/32

In: 1121.641+/-0.177 χ^2/NDF : 29502.8/32

Out: 1133.547+/-0.175 χ^2/NDF : 870868.6/35

All: 1127.651+/-0.125 χ^2/NDF : 902654.2/68

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -251.327 $\pm$ 364.951 χ^2/NDF : 21.8/15

Left Out: -1038.074 $\pm$ 404.947 χ^2/NDF :44.7/18

Right Out: 239.863 $\pm$ 363.842 χ^2/NDF : 21.1/16

Left In: 243.925 $\pm$ 416.002 χ^2/NDF :9.0/16

Left: -414.335 $\pm$ 290.171 χ^2/NDF : 58.6/35

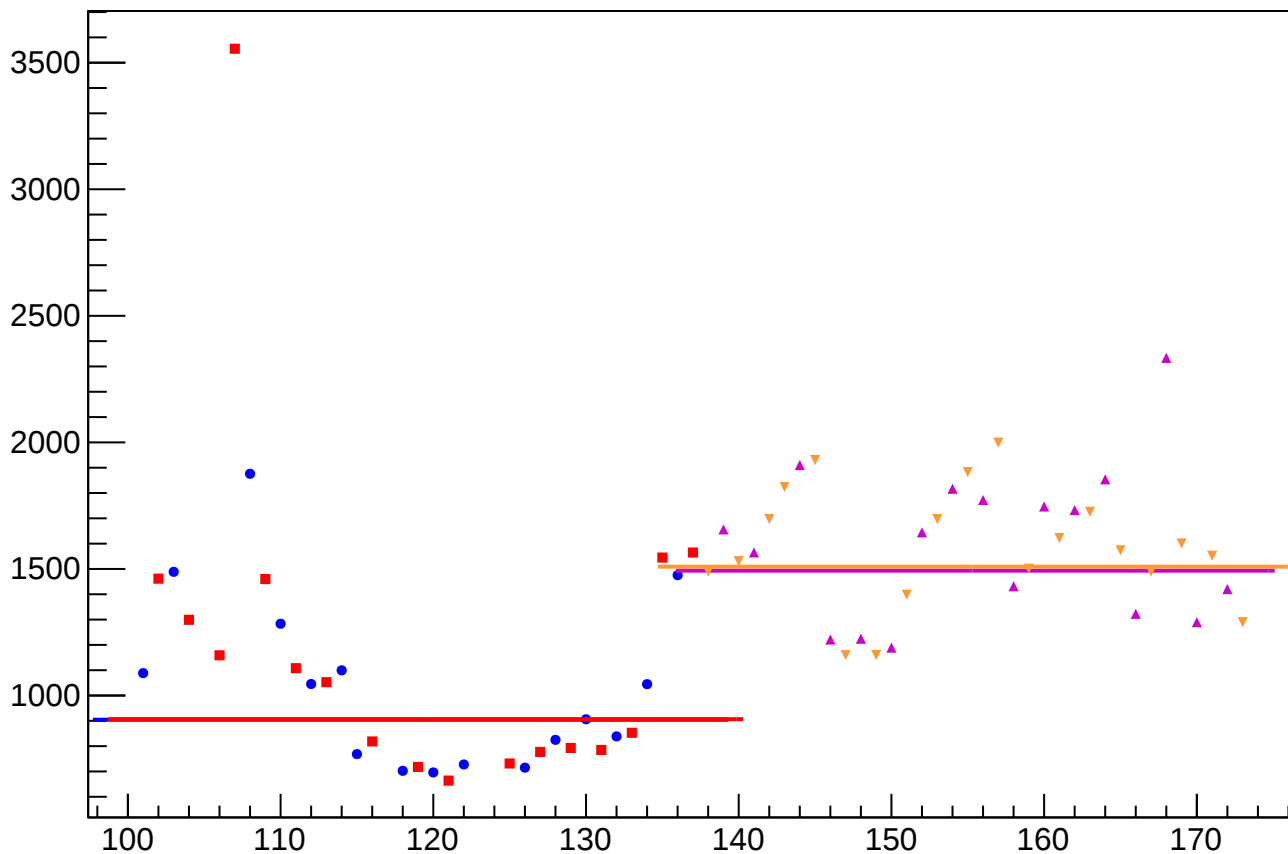
Right: -4.984 $\pm$ 257.666 χ^2/NDF : 43.8/32

In: -35.938 $\pm$ 274.343 χ^2/NDF :31.7/32

Out: -330.971 $\pm$ 270.644 χ^2/NDF :71.2/35

All: -185.457 $\pm$ 192.669 χ^2/NDF : 103.5/68

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 904.488+/-0.258 χ^2/NDF : 1021094.8/15

Left Out: 1509.109+/-0.286 χ^2/NDF : 684206.8/18

Right Out: 906.594+/-0.257 χ^2/NDF : 1376076.4/16

Left In: 1493.267+/-0.294 χ^2/NDF : 864803.3/16

Left: 1501.401+/-0.205 χ^2/NDF : 1550499.4/35

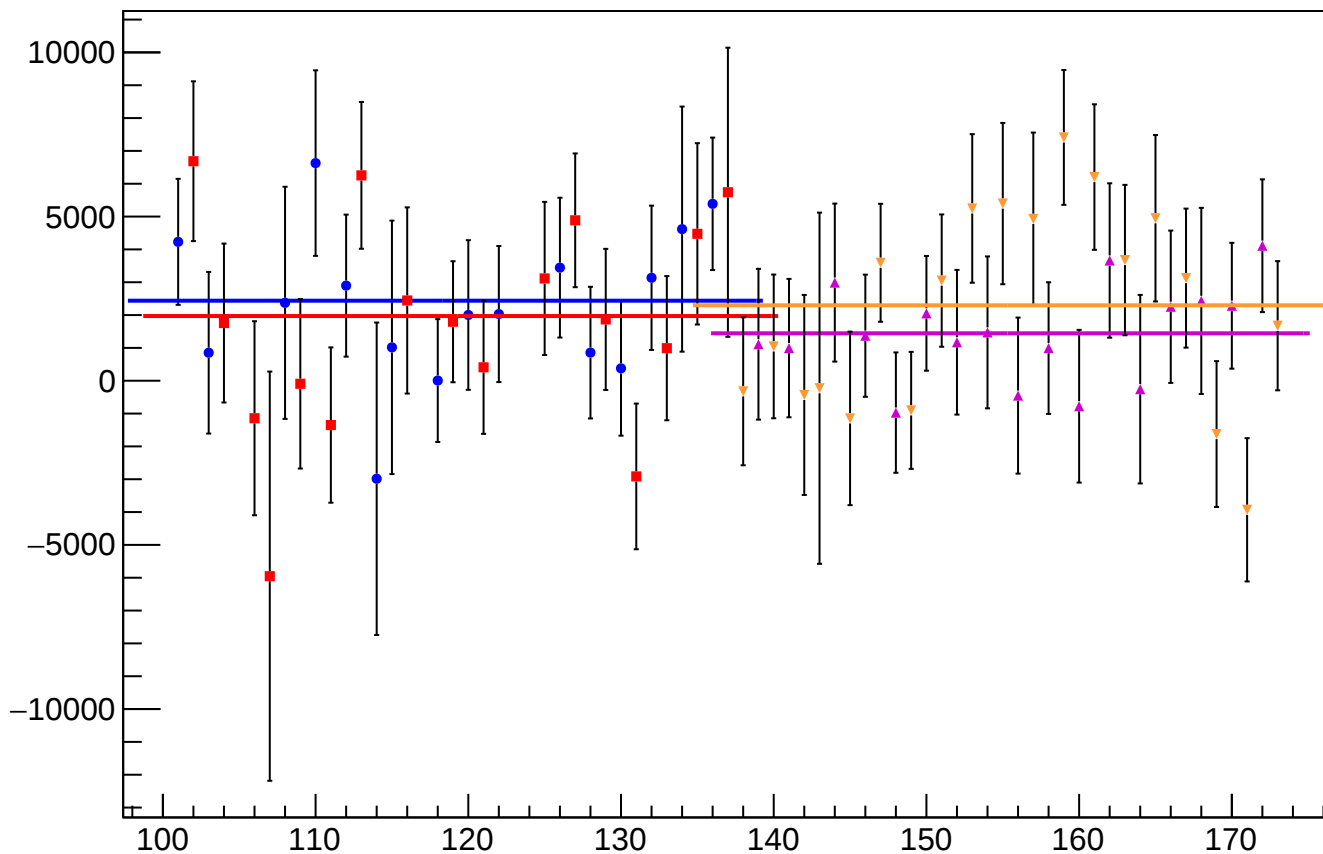
Right: 905.545+/-0.182 χ^2/NDF : 2397204.6/32

In: 1160.552+/-0.194 χ^2/NDF : 4149821.4/32

Out: 1175.728+/-0.191 χ^2/NDF : 4510139.6/35

All: 1168.243+/-0.136 χ^2/NDF : 8663062.4/68

asym_usl_mean vs Slug, Sign Corrected



Right In: 2437.510 $\pm$ 586.231 χ^2/NDF : 11.2/15

Left Out: 2297.509 $\pm$ 516.377 χ^2/NDF : 34.9/18

Right Out: 1970.445 $\pm$ 586.663 χ^2/NDF : 22.3/16

Left In: 1444.753 $\pm$ 524.531 χ^2/NDF : 7.4/16

Left: 1877.810 $\pm$ 367.983 χ^2/NDF : 43.6/35

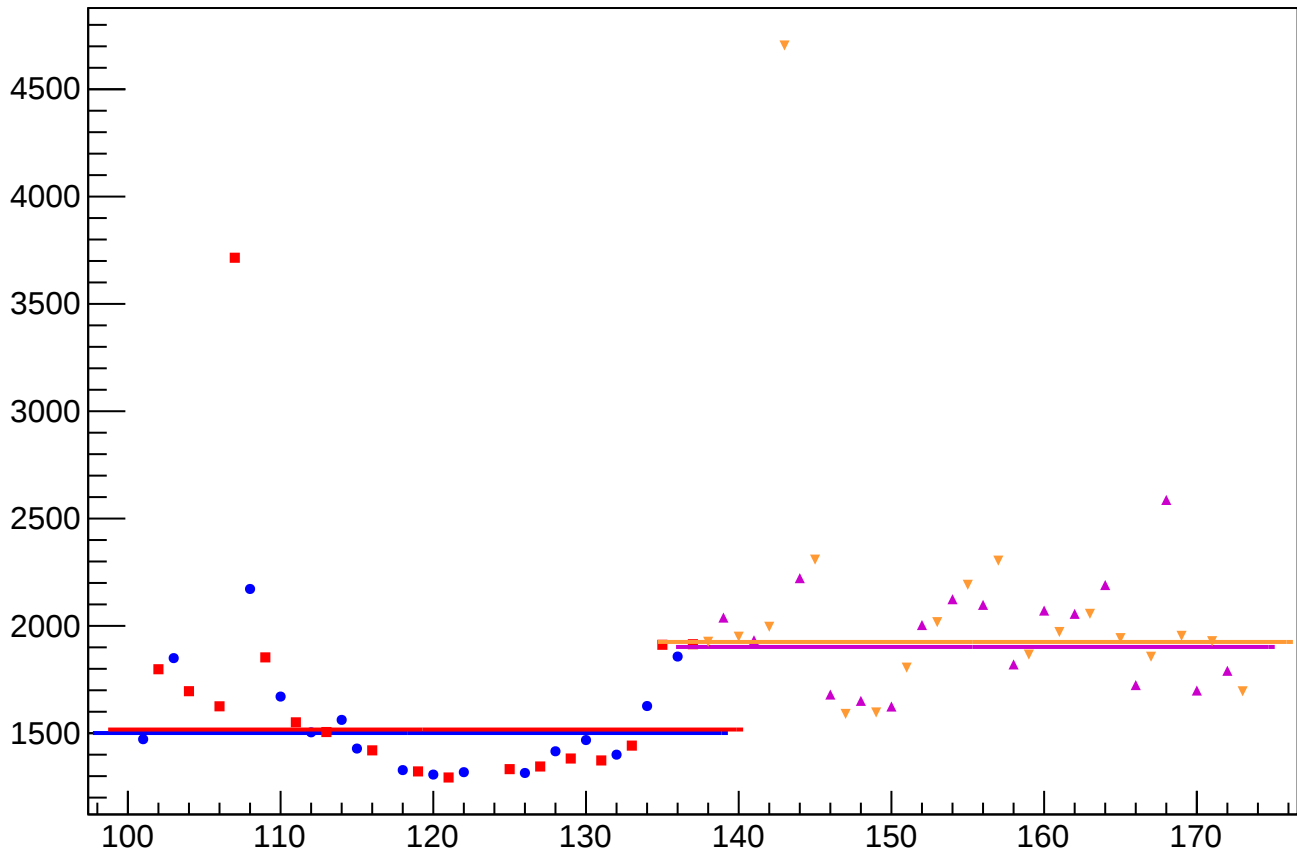
Right: 2204.149 $\pm$ 414.681 χ^2/NDF : 33.8/32

In: 1886.155 $\pm$ 390.899 χ^2/NDF : 20.1/32

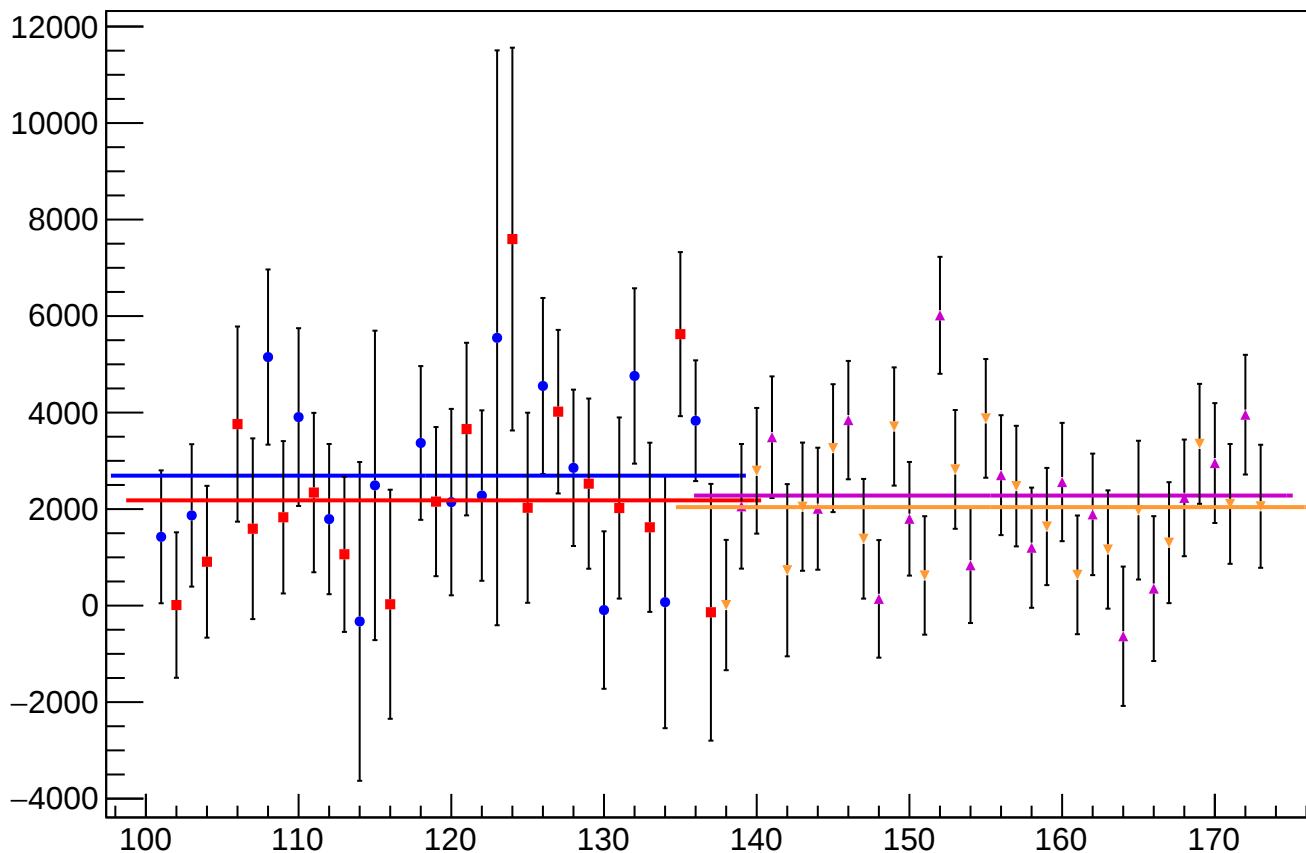
Out: 2154.733 $\pm$ 387.614 χ^2/NDF : 57.3/35

All: 2021.578 $\pm$ 275.239 χ^2/NDF : 77.7/68

asym_usl_rms vs Slug, Sign Corrected



dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2692.998 $\pm$ 432.616 χ^2/NDF : 12.2/16

Left Out: 2040.700 $\pm$ 294.030 χ^2/NDF : 13.6/18

Right Out: 2180.980 $\pm$ 425.451 χ^2/NDF : 13.5/17

Left In: 2280.411 $\pm$ 304.458 χ^2/NDF : 25.7/16

Left: 2156.380 $\pm$ 211.501 χ^2/NDF : 39.6/35

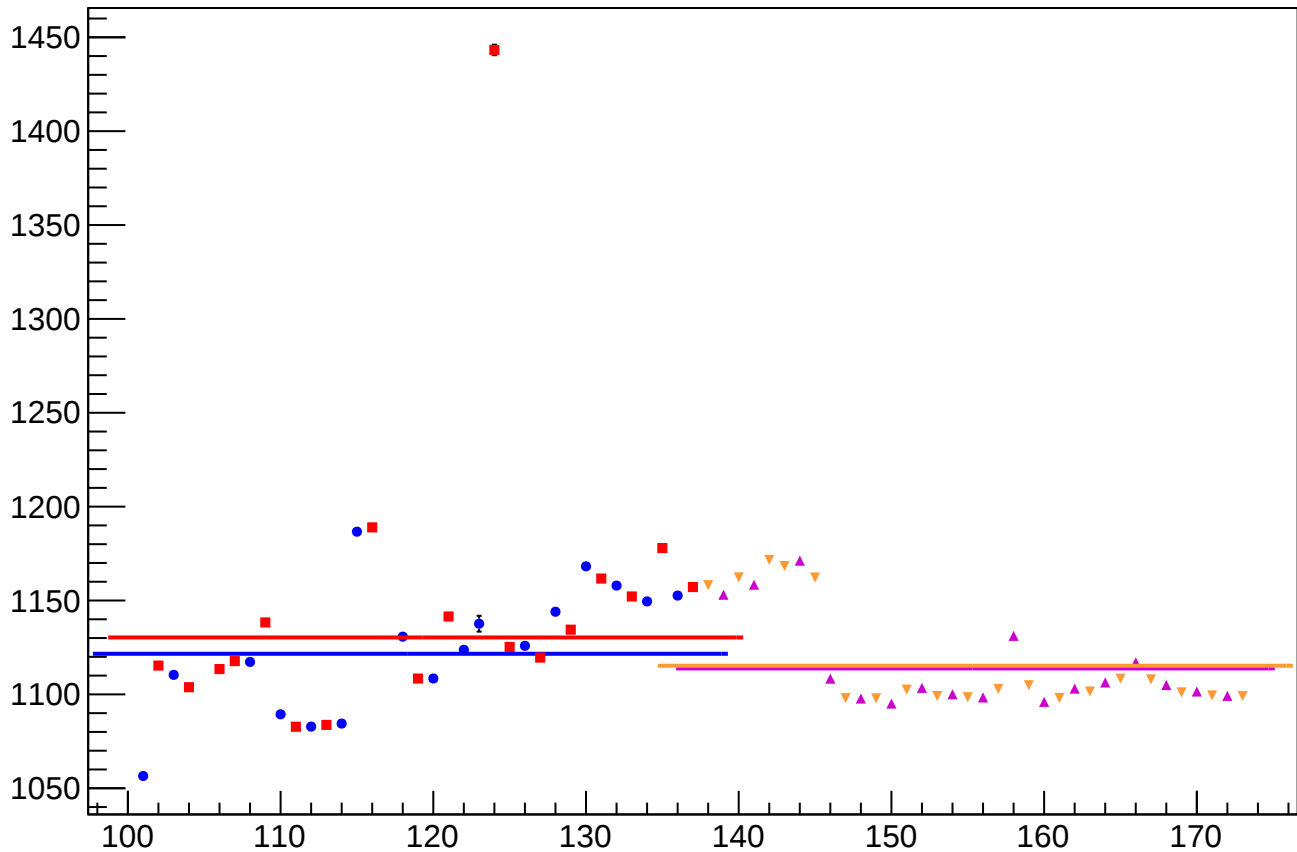
Right: 2432.714 $\pm$ 303.341 χ^2/NDF : 26.5/34

In: 2417.072 $\pm$ 248.981 χ^2/NDF : 38.5/33

Out: 2086.044 $\pm$ 241.886 χ^2/NDF : 27.2/36

All: 2246.774 $\pm$ 173.493 χ^2/NDF : 66.7/70

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1121.626 $\pm$ 0.306 χ^2/NDF : 11980.2/16

Left Out: 1115.260 $\pm$ 0.208 χ^2/NDF : 16063.8/18

Right Out: 1130.316 $\pm$ 0.301 χ^2/NDF : 21276.1/17

Left In: 1113.812 $\pm$ 0.215 χ^2/NDF : 11683.9/16

Left: 1114.561 $\pm$ 0.150 χ^2/NDF : 27771.2/35

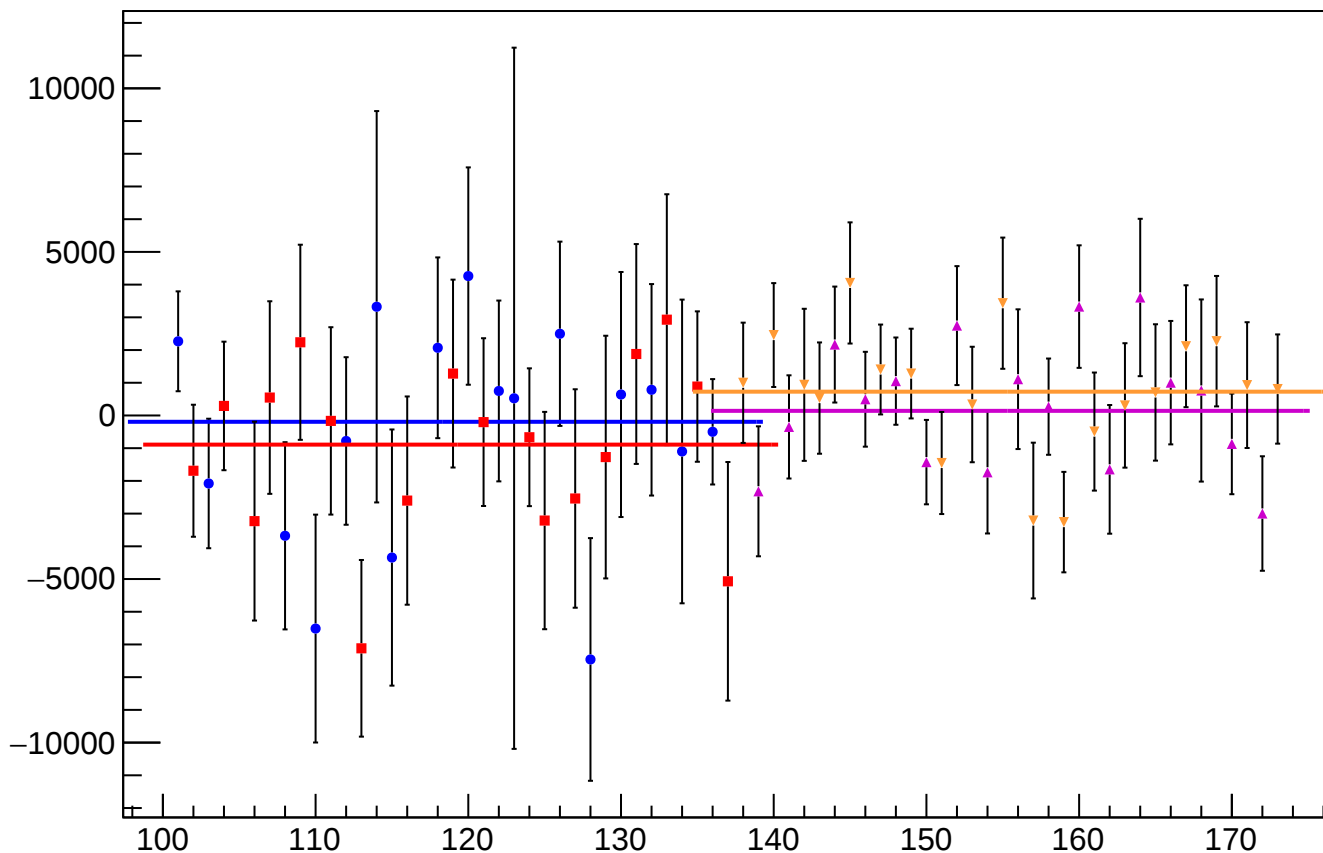
Right: 1126.044 $\pm$ 0.214 χ^2/NDF : 33666.6/34

In: 1116.400 $\pm$ 0.176 χ^2/NDF : 24100.6/33

Out: 1120.127 $\pm$ 0.171 χ^2/NDF : 39035.0/36

All: 1118.317 $\pm$ 0.123 χ^2/NDF : 63366.1/70

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -193.332 $\pm$ 660.359 χ^2/NDF : 17.4/16

Left Out: 727.501 $\pm$ 403.567 χ^2/NDF : 19.8/18

Right Out: -891.057 $\pm$ 649.405 χ^2/NDF : 13.1/17

Left In: 141.256 $\pm$ 416.742 χ^2/NDF : 17.9/16

Left: 443.792 $\pm$ 289.911 χ^2/NDF : 38.8/35

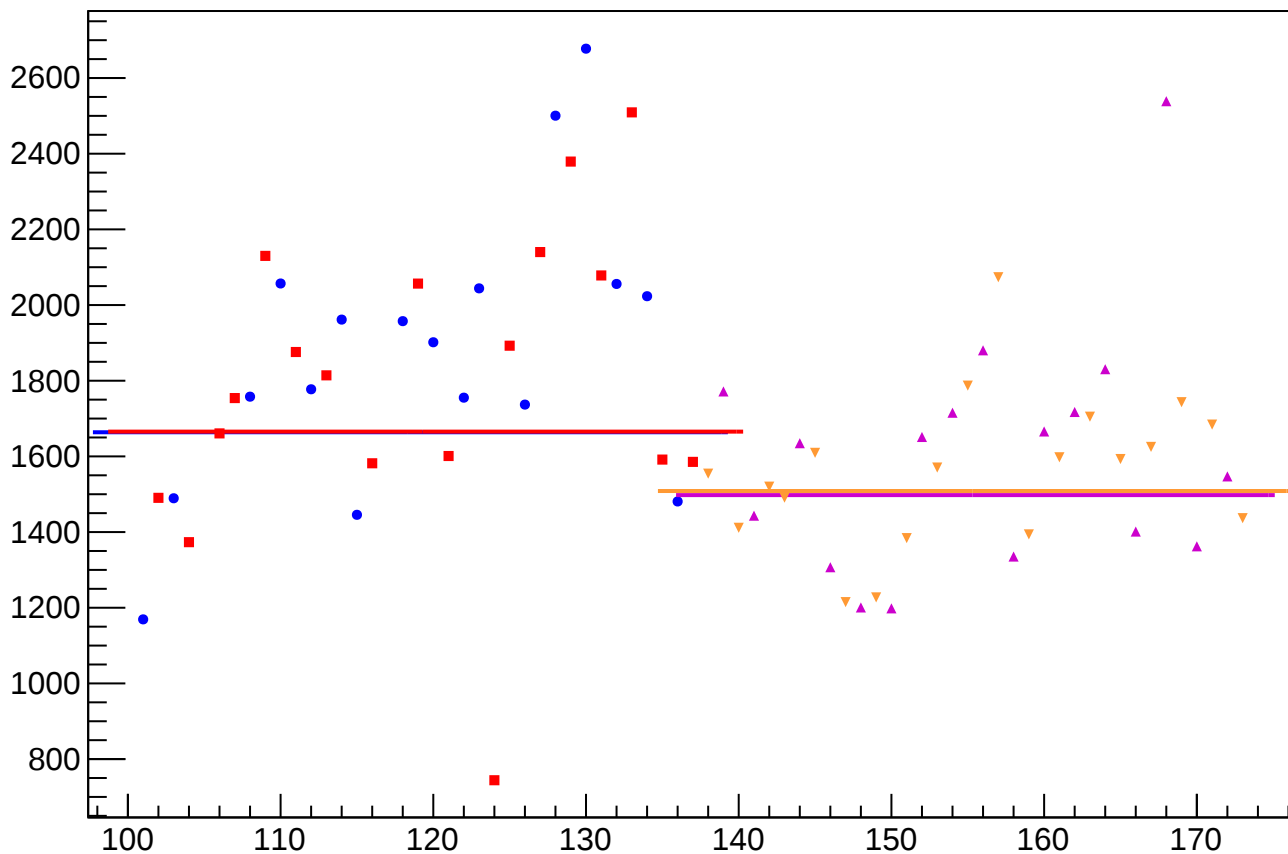
Right: -548.030 $\pm$ 463.023 χ^2/NDF : 31.0/34

In: 45.956 $\pm$ 352.430 χ^2/NDF : 35.5/33

Out: 276.573 $\pm$ 342.771 χ^2/NDF : 37.4/36

All: 164.468 $\pm$ 245.720 χ^2/NDF : 73.1/70

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1663.779 +/- 0.467 χ^2/NDF : 622477.6/16

Left Out: 1508.504 +/- 0.285 χ^2/NDF : 453435.1/18

Right Out: 1665.466 +/- 0.459 χ^2/NDF : 802791.6/17

Left In: 1497.677 +/- 0.295 χ^2/NDF : 805028.7/16

Left: 1503.264 +/- 0.205 χ^2/NDF : 1259160.4/35

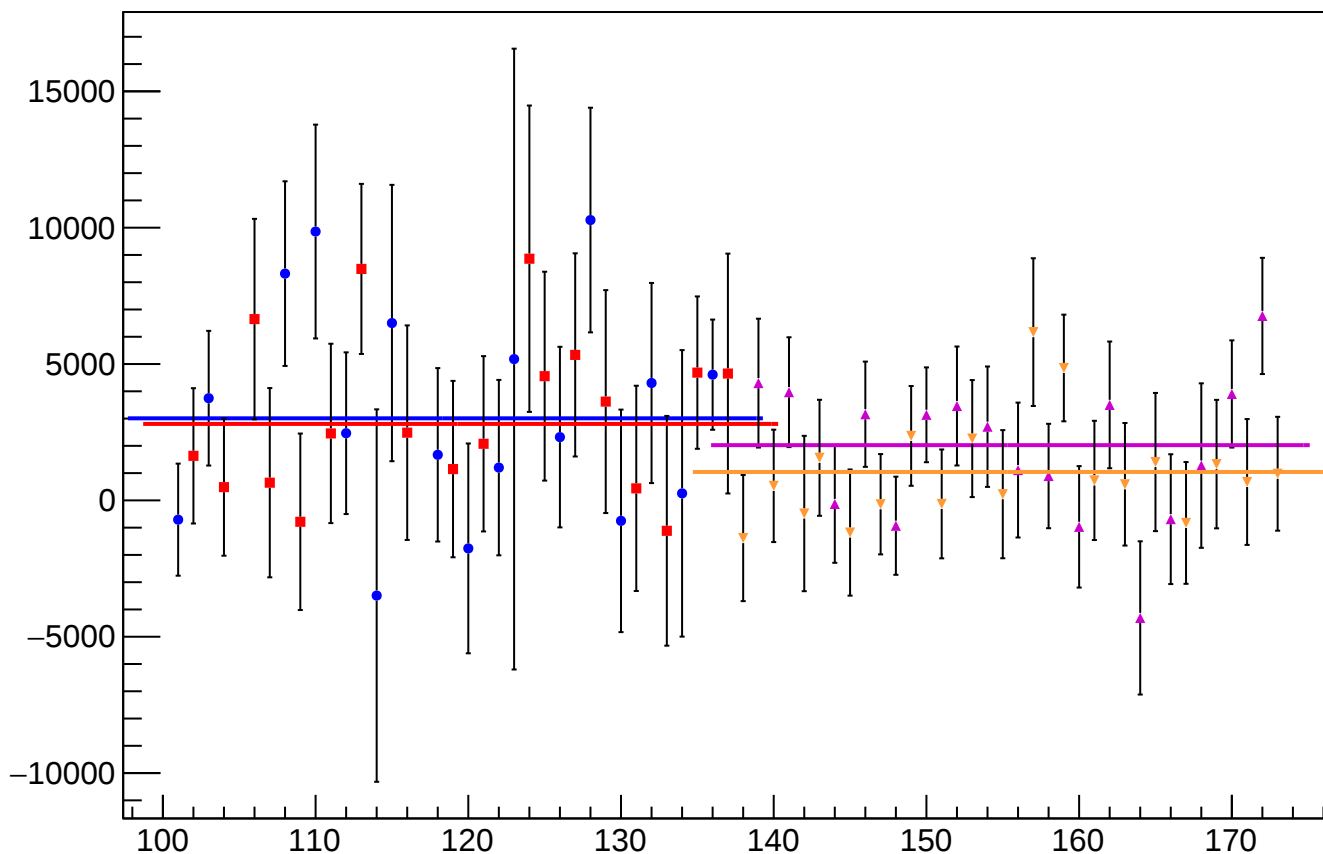
Right: 1664.637 +/- 0.327 χ^2/NDF : 1425275.8/34

In: 1544.988 +/- 0.249 χ^2/NDF : 1518002.4/33

Out: 1552.233 +/- 0.242 χ^2/NDF : 1340515.0/36

All: 1548.711 +/- 0.174 χ^2/NDF : 2858951.7/70

asym_usr_mean vs Slug, Sign Corrected



Right In: 3009.190+/-799.647 χ^2/NDF : 17.4/16

Left Out: 1041.995+/-502.759 χ^2/NDF :12.4/18

Right Out: 2803.971+/-799.589 χ^2/NDF : 11.2/17

Left In: 2025.471+/-521.308 χ^2/NDF :21.8/16

Left: 1515.926+/-361.884 χ^2/NDF : 36.0/35

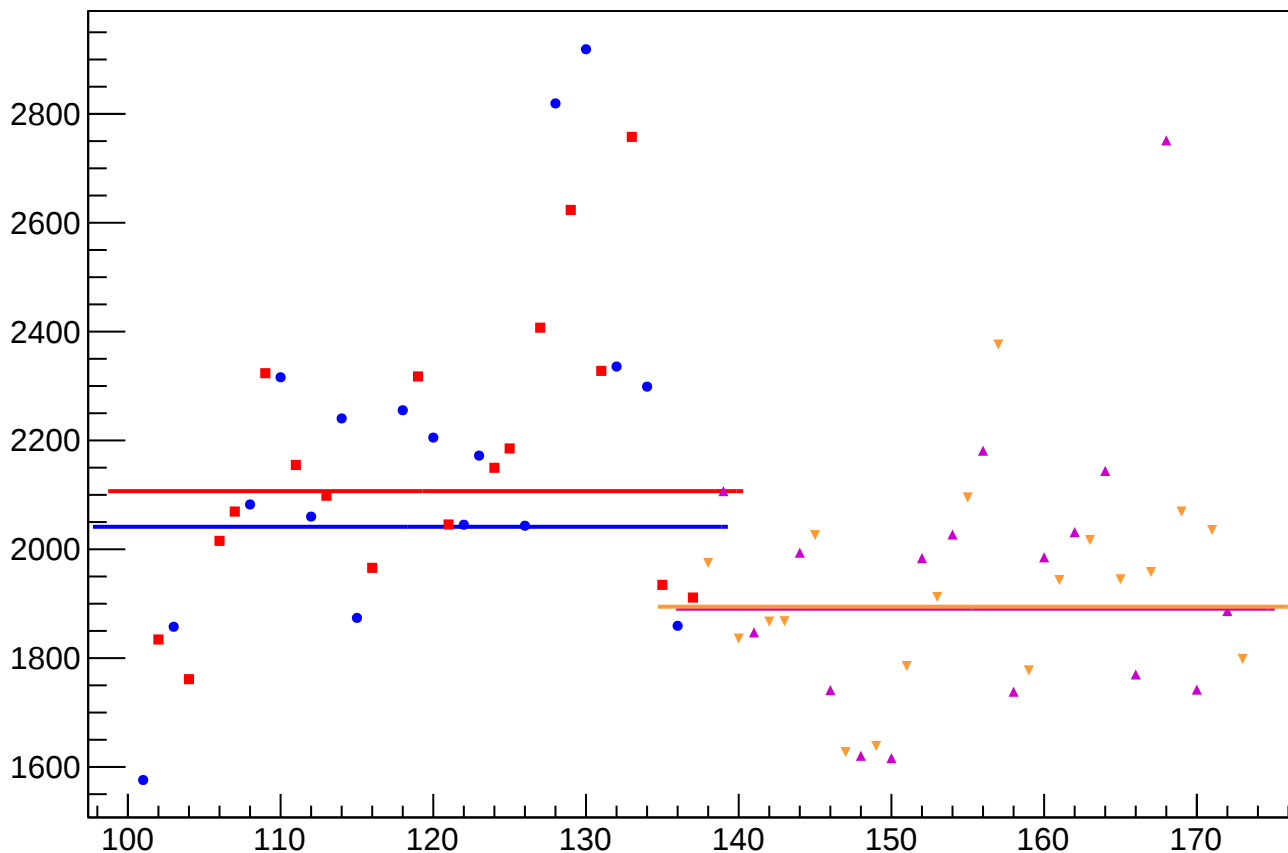
Right: 2906.573+/-565.416 χ^2/NDF : 28.6/34

In: 2318.863+/-436.703 χ^2/NDF :40.3/33

Out: 1541.227+/-425.616 χ^2/NDF :27.0/36

All: 1920.048+/-304.800 χ^2/NDF : 69.0/70

asym_usr_rms vs Slug, Sign Corrected



Right In: 2041.348 $\pm$ 0.565 χ^2 /NDF: 338436.8/16

Left Out: 1894.526 $\pm$ 0.356 χ^2 /NDF: 215473.4/18

Right Out: 2106.845 $\pm$ 0.565 χ^2 /NDF: 196720.6/17

Left In: 1890.836 $\pm$ 0.369 χ^2 /NDF: 387334.8/16

Left: 1892.748 $\pm$ 0.256 χ^2 /NDF: 602860.1/35

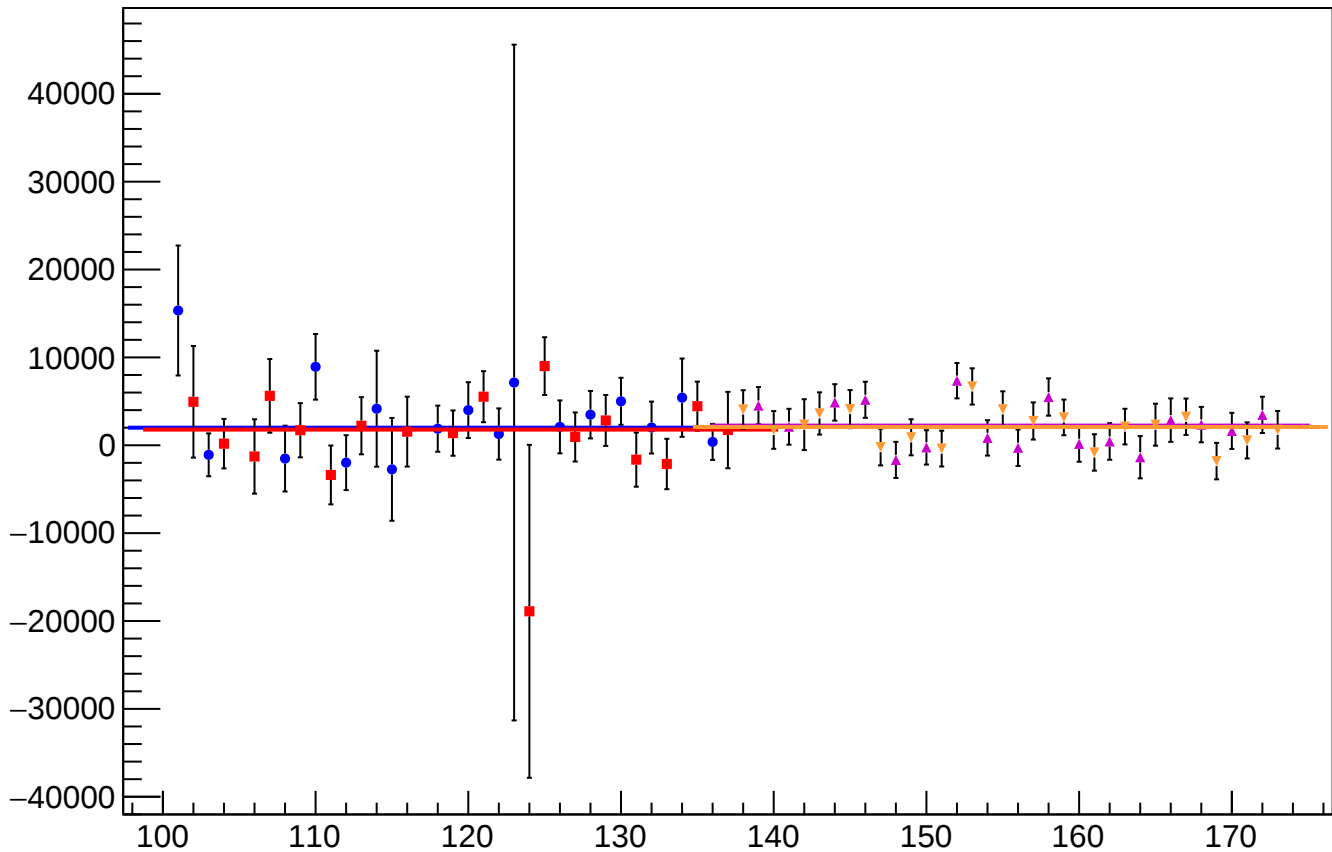
Right: 2074.099 $\pm$ 0.400 χ^2 /NDF: 541866.5/34

In: 1935.726 $\pm$ 0.309 χ^2 /NDF: 775494.9/33

Out: 1954.683 $\pm$ 0.301 χ^2 /NDF: 513256.6/36

All: 1945.448 $\pm$ 0.216 χ^2 /NDF: 1290684.2/70

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1999.899 $\pm$ 781.612 χ^2 /NDF: 14.8/16

Left Out: 2077.552 $\pm$ 490.826 χ^2 /NDF:17.8/18

Right Out: 1781.823 $\pm$ 781.836 χ^2 /NDF: 16.3/17

Left In: 2240.017 $\pm$ 506.016 χ^2 /NDF:25.3/16

Left: 2156.309 $\pm$ 352.314 χ^2 /NDF: 43.2/35

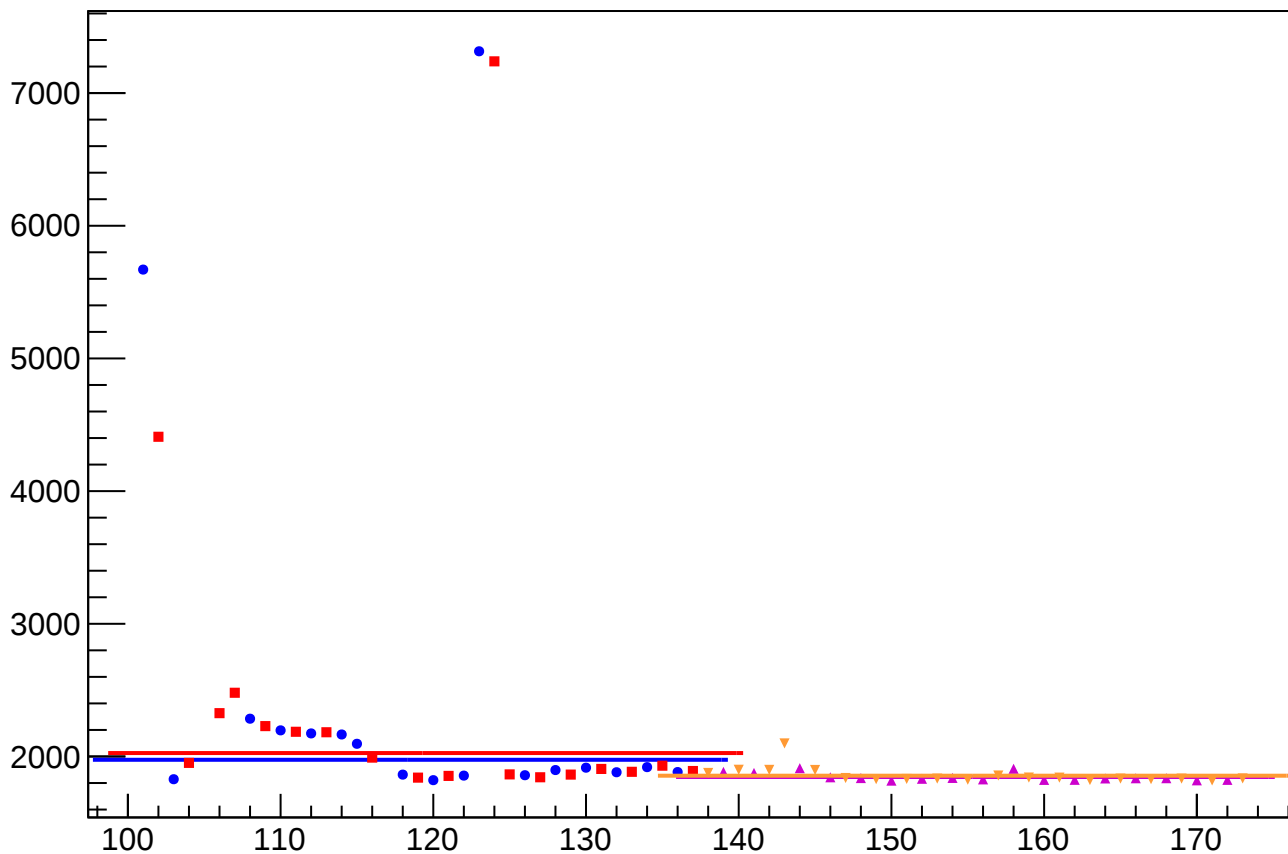
Right: 1890.892 $\pm$ 552.762 χ^2 /NDF: 31.1/34

In: 2169.100 $\pm$ 424.770 χ^2 /NDF:40.2/33

Out: 1993.950 $\pm$ 415.698 χ^2 /NDF:34.2/36

All: 2079.635 $\pm$ 297.098 χ^2 /NDF: 74.5/70

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1975.109+/-0.553 χ^2/NDF : 599831.6/16

Left Out: 1855.154+/-0.347 χ^2/NDF : 26414.7/18

Right Out: 2025.871+/-0.553 χ^2/NDF : 535385.1/17

Left In: 1845.361+/-0.358 χ^2/NDF : 6594.1/16

Left: 1850.406+/-0.249 χ^2/NDF : 33394.8/35

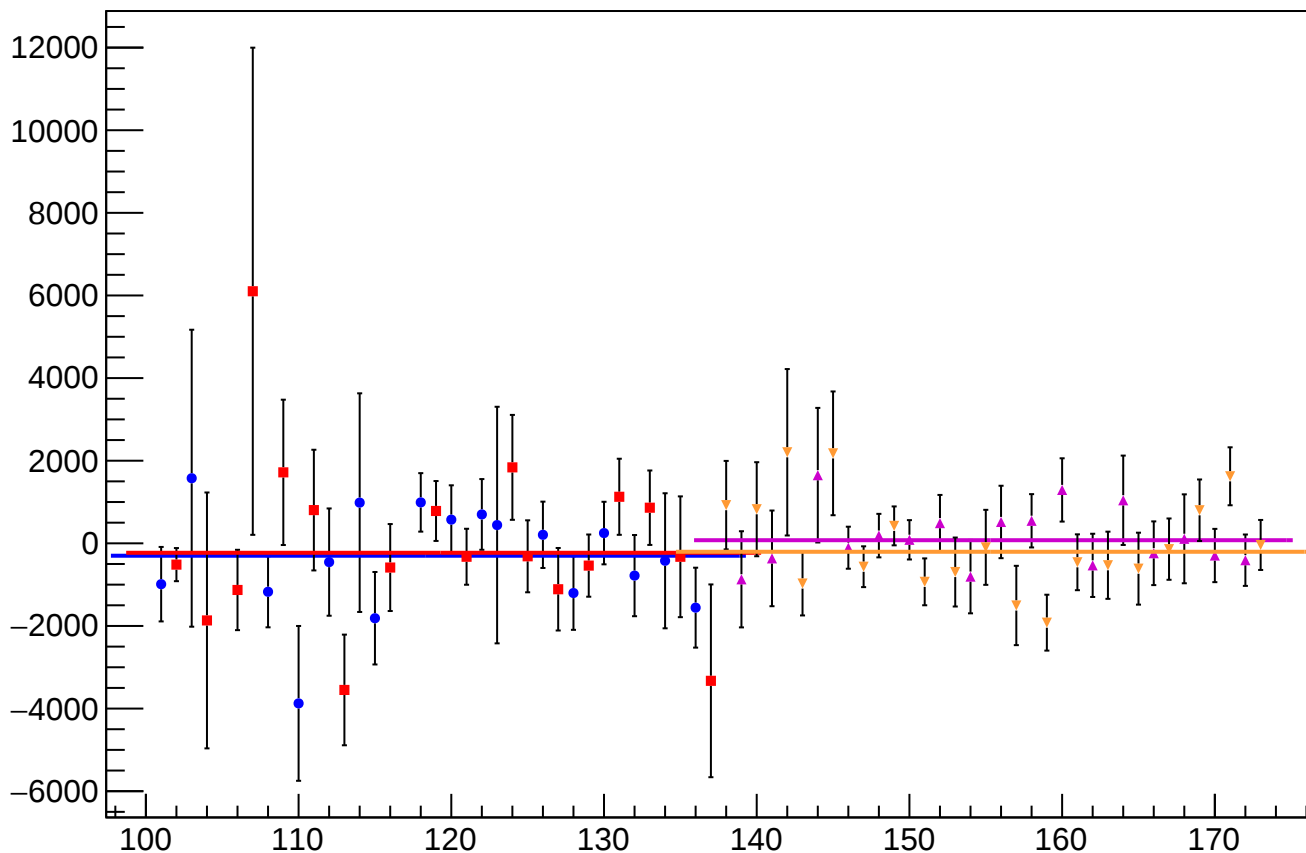
Right: 2000.483+/-0.391 χ^2/NDF : 1139433.4/34

In: 1883.681+/-0.300 χ^2/NDF : 645261.4/33

Out: 1903.416+/-0.294 χ^2/NDF : 630199.6/36

All: 1893.761+/-0.210 χ^2/NDF : 1277666.2/70

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -299.990 ± 246.615 $\chi^2/\text{NDF}: 17.3/16$

Left Out: -204.276 ± 168.930 $\chi^2/\text{NDF}: 28.7/18$

Right Out: -228.794 ± 215.624 $\chi^2/\text{NDF}: 21.8/17$

Left In: 75.641 ± 174.987 $\chi^2/\text{NDF}: 9.1/16$

Left: -69.246 ± 121.537 $\chi^2/\text{NDF}: 39.1/35$

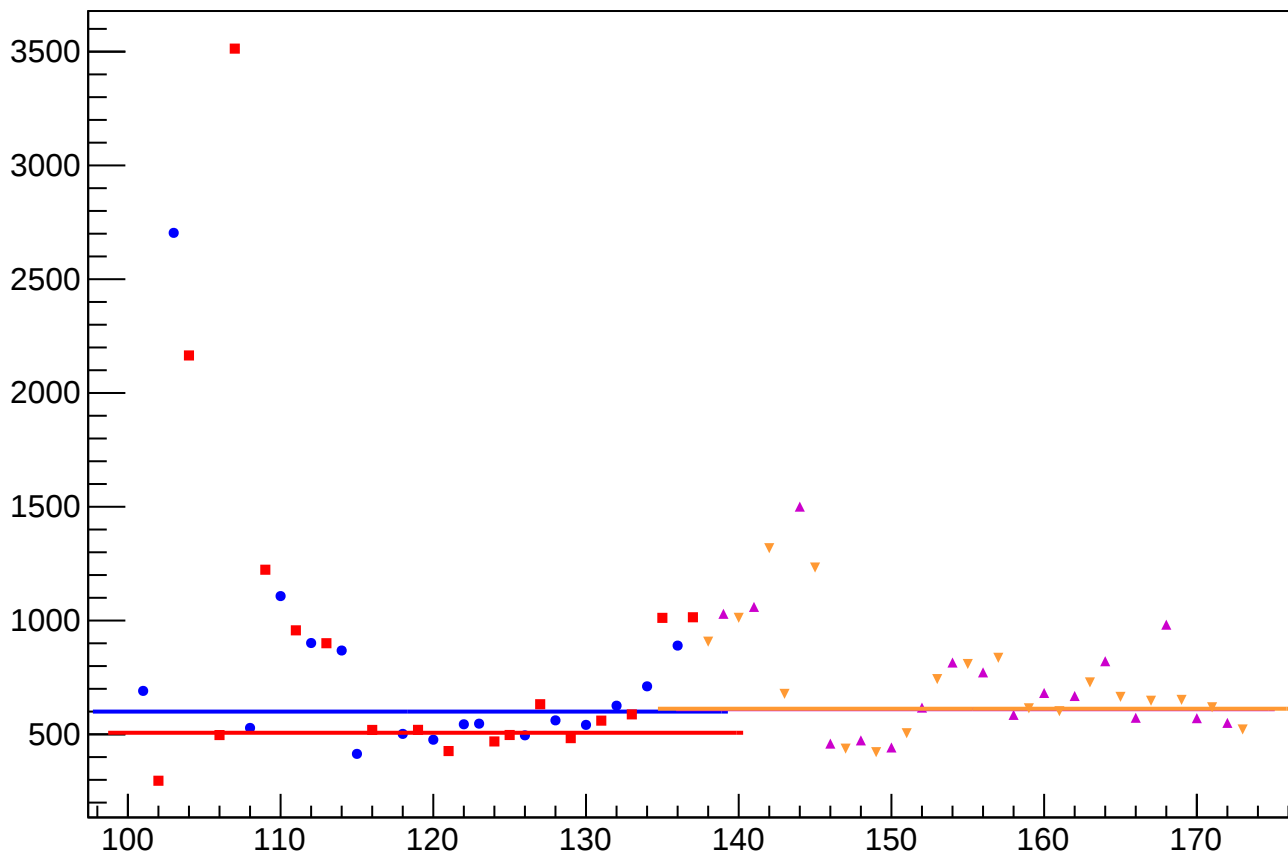
Right: -259.640 ± 162.327 $\chi^2/\text{NDF}: 39.2/34$

In: -50.147 ± 142.711 $\chi^2/\text{NDF}: 28.0/33$

Out: -213.601 ± 132.979 $\chi^2/\text{NDF}: 50.4/36$

All: -137.637 ± 97.289 $\chi^2/\text{NDF}: 79.1/70$

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 599.953+/-0.174 χ^2/NDF : 1381049.4/16

Left Out: 612.513+/-0.119 χ^2/NDF : 2008226.9/18

Right Out: 506.876+/-0.152 χ^2/NDF : 2760863.3/17

Left In: 610.304+/-0.124 χ^2/NDF : 2271374.1/16

Left: 611.448+/-0.086 χ^2/NDF : 4279766.1/35

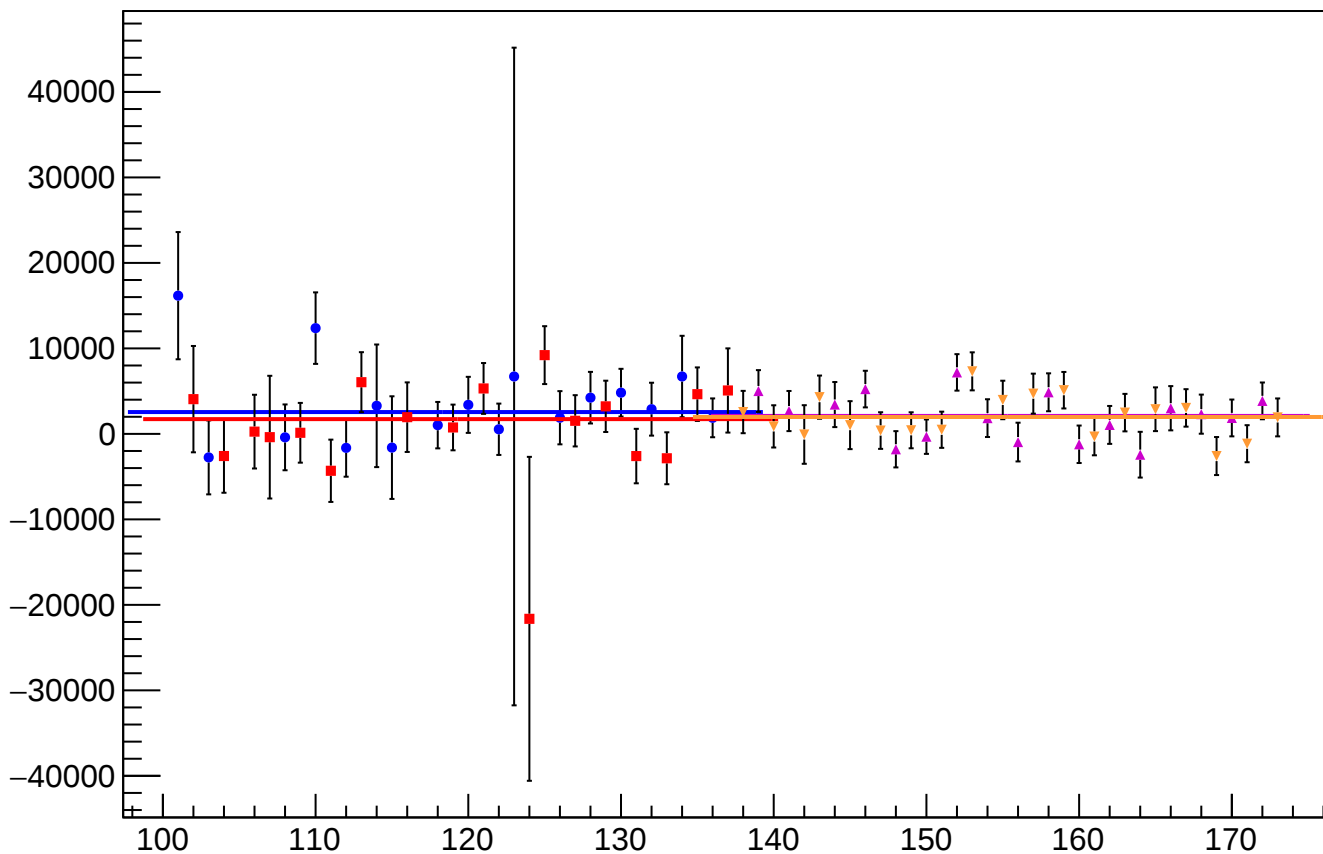
Right: 547.202+/-0.115 χ^2/NDF : 4303374.7/34

In: 606.838+/-0.101 χ^2/NDF : 3654766.8/33

Out: 572.335+/-0.094 χ^2/NDF : 5066550.1/36

All: 588.370+/-0.069 χ^2/NDF : 8783888.7/70

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2553.597 $\pm$ 858.906 χ^2/NDF : 15.7/16

Left Out: 1976.752 $\pm$ 530.004 χ^2/NDF : 21.0/18

Right Out: 1727.074 $\pm$ 855.162 χ^2/NDF : 19.5/17

Left In: 2100.571 $\pm$ 548.349 χ^2/NDF : 24.0/16

Left: 2036.555 $\pm$ 381.090 χ^2/NDF : 45.1/35

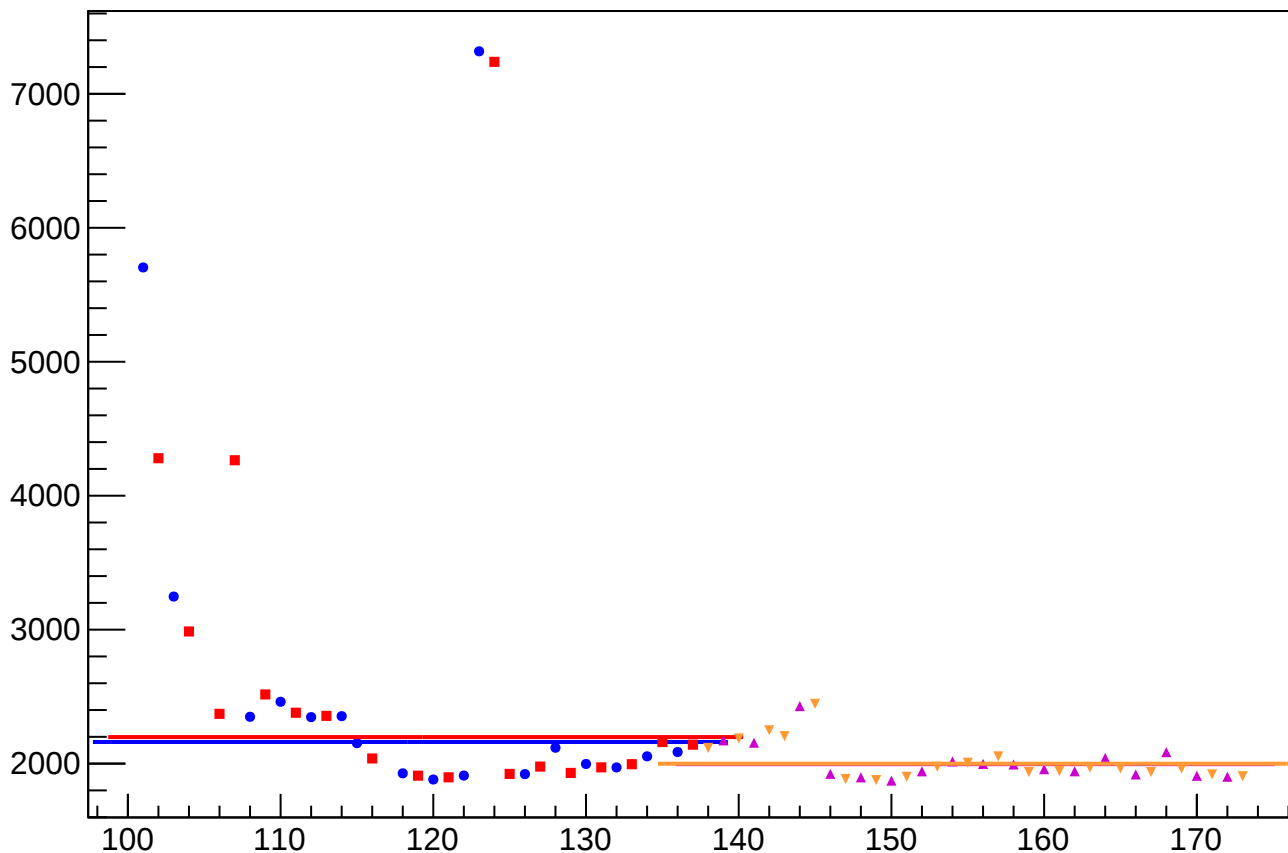
Right: 2138.530 $\pm$ 606.010 χ^2/NDF : 35.7/34

In: 2231.752 $\pm$ 462.188 χ^2/NDF : 39.9/33

Out: 1907.462 $\pm$ 450.498 χ^2/NDF : 40.6/36

All: 2065.454 $\pm$ 322.604 χ^2/NDF : 80.8/70

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2161.418+/-0.607 χ^2/NDF : 711253.3/16

Left Out: 1999.322+/-0.375 χ^2/NDF : 120946.3/18

Right Out: 2198.187+/-0.605 χ^2/NDF : 733873.5/17

Left In: 1995.960+/-0.388 χ^2/NDF : 103619.6/16

Left: 1997.698+/-0.269 χ^2/NDF : 224604.7/35

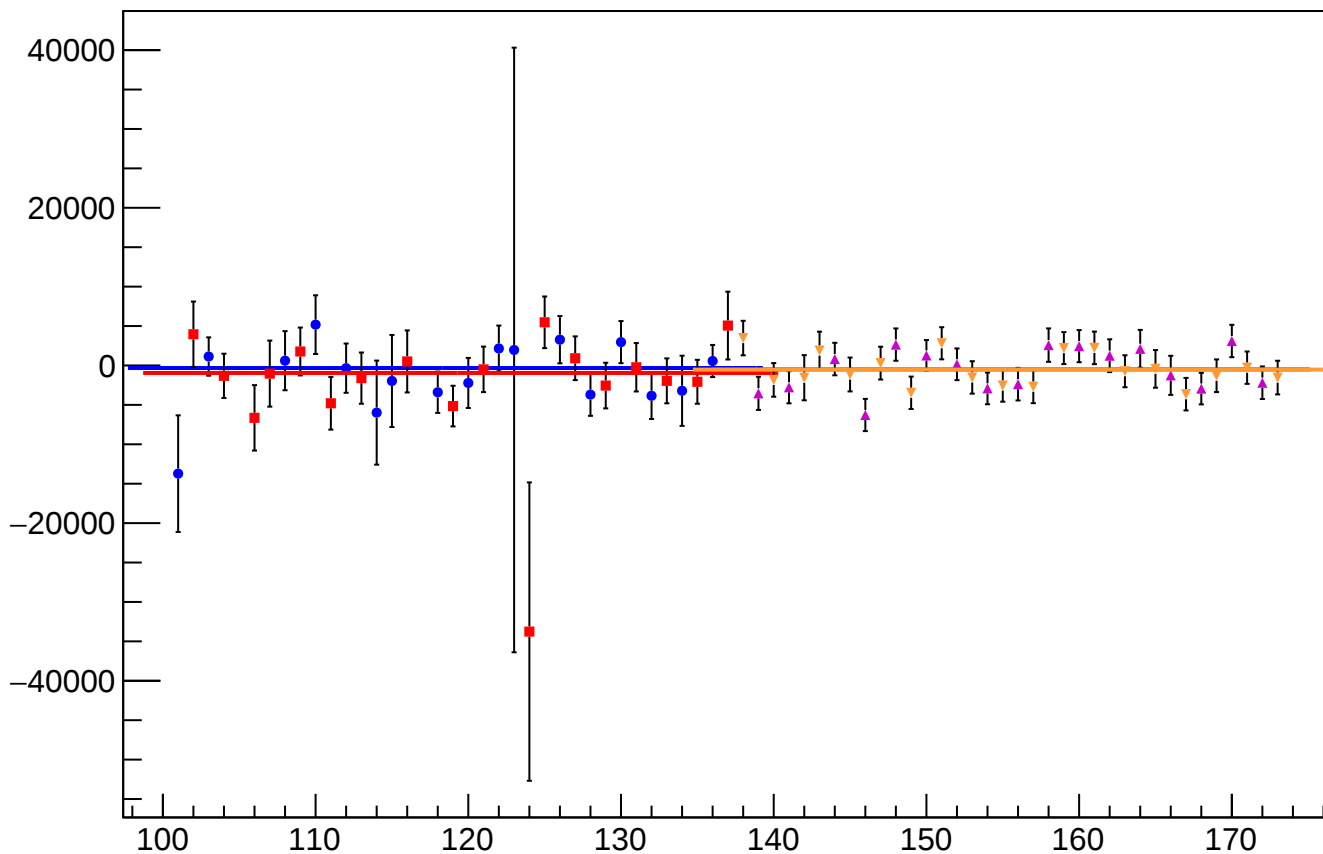
Right: 2179.883+/-0.429 χ^2/NDF : 1446967.4/34

In: 2043.871+/-0.327 χ^2/NDF : 867601.1/33

Out: 2054.510+/-0.319 χ^2/NDF : 932961.3/36

All: 2049.327+/-0.228 χ^2/NDF : 1801105.8/70

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -323.738+/-779.509 χ^2 /NDF: 15.7/16

Left Out: -529.109+/-489.466 χ^2 /NDF:18.4/18

Right Out: -951.303+/-770.284 χ^2 /NDF: 18.2/17

Left In: -498.154+/-504.829 χ^2 /NDF:28.7/16

Left: -514.110+/-351.410 χ^2 /NDF: 47.1/35

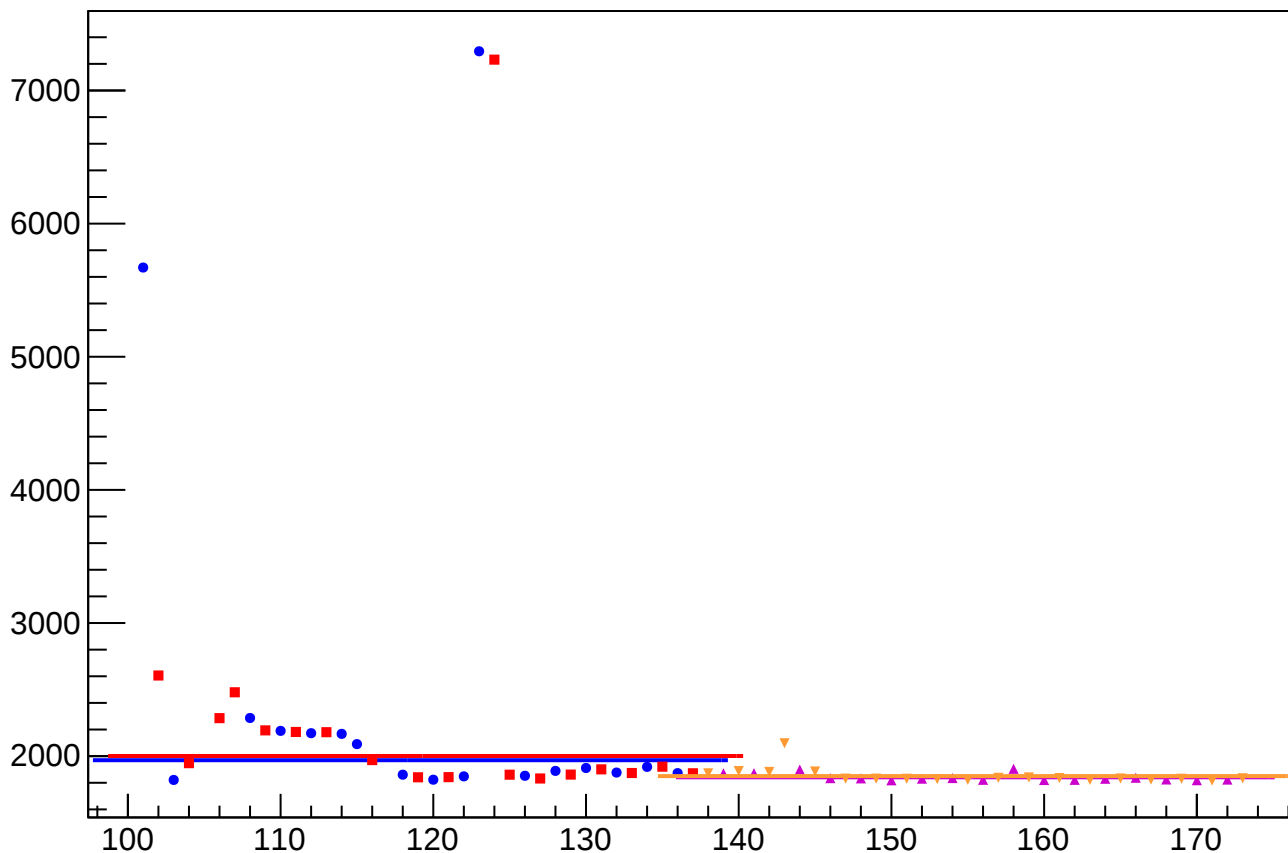
Right: -641.256+/-547.905 χ^2 /NDF: 34.3/34

In: -446.616+/-423.730 χ^2 /NDF:44.5/33

Out: -650.548+/-413.117 χ^2 /NDF:36.8/36

All: -551.168+/-295.799 χ^2 /NDF: 81.4/70

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1969.494+/-0.551 χ^2/NDF : 602810.5/16

Left Out: 1850.093+/-0.346 χ^2/NDF : 25689.2/18

Right Out: 2001.177+/-0.545 χ^2/NDF : 290624.5/17

Left In: 1841.087+/-0.357 χ^2/NDF : 5743.5/16

Left: 1845.729+/-0.248 χ^2/NDF : 31760.9/35

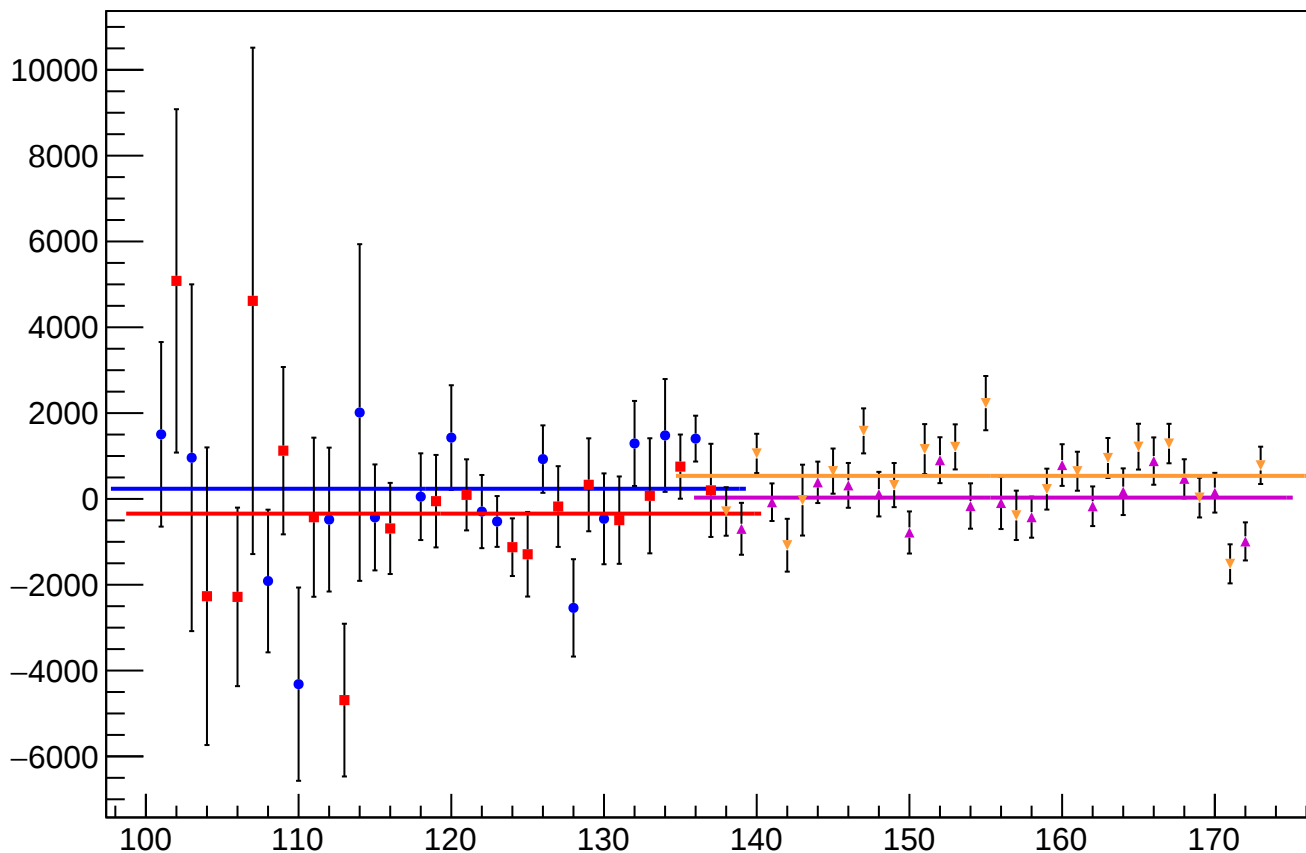
Right: 1985.524+/-0.387 χ^2/NDF : 895106.7/34

In: 1879.029+/-0.300 χ^2/NDF : 646788.9/33

Out: 1893.551+/-0.292 χ^2/NDF : 371124.8/36

All: 1886.474+/-0.209 χ^2/NDF : 1019118.1/70

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 236.864 $\pm$ 248.604 χ^2 /NDF: 23.9/16

Left Out: 537.603 $\pm$ 117.862 χ^2 /NDF:55.0/18

Right Out: -342.796 $\pm$ 268.580 χ^2 /NDF: 15.9/17

Left In: 30.127 $\pm$ 121.204 χ^2 /NDF:20.2/16

Left: 290.957 $\pm$ 84.498 χ^2 /NDF: 84.2/35

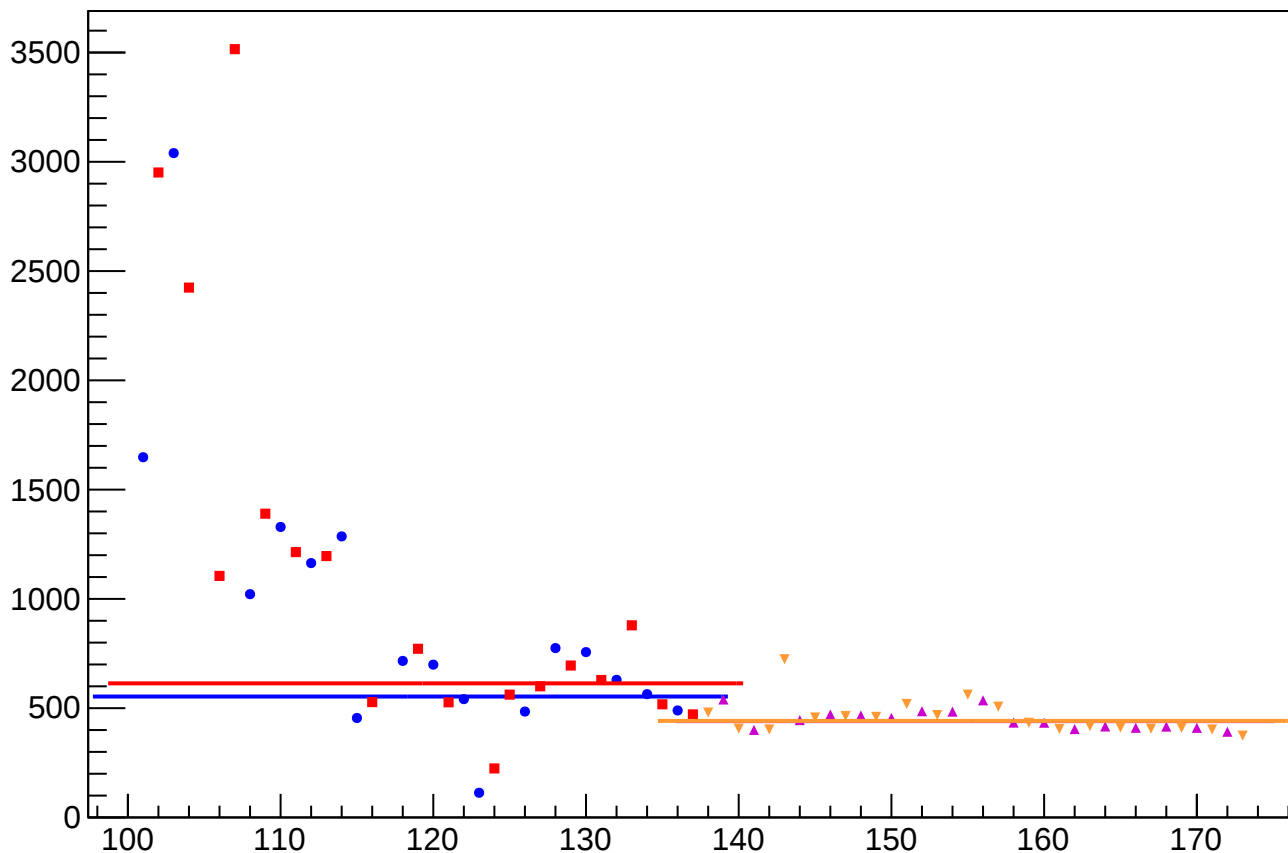
Right: -30.610 $\pm$ 182.443 χ^2 /NDF: 42.3/34

In: 69.830 $\pm$ 108.946 χ^2 /NDF:44.6/33

Out: 395.437 $\pm$ 107.927 χ^2 /NDF:79.9/36

All: 234.162 $\pm$ 76.674 χ^2 /NDF: 129.0/70

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 553.280+/-0.176 χ^2/NDF : 3412747.4/16

Left Out: 441.764+/-0.083 χ^2/NDF : 519007.4/18

Right Out: 613.577+/-0.190 χ^2/NDF : 3476374.3/17

Left In: 440.790+/-0.086 χ^2/NDF : 223076.8/16

Left: 441.291+/-0.060 χ^2/NDF : 742150.6/35

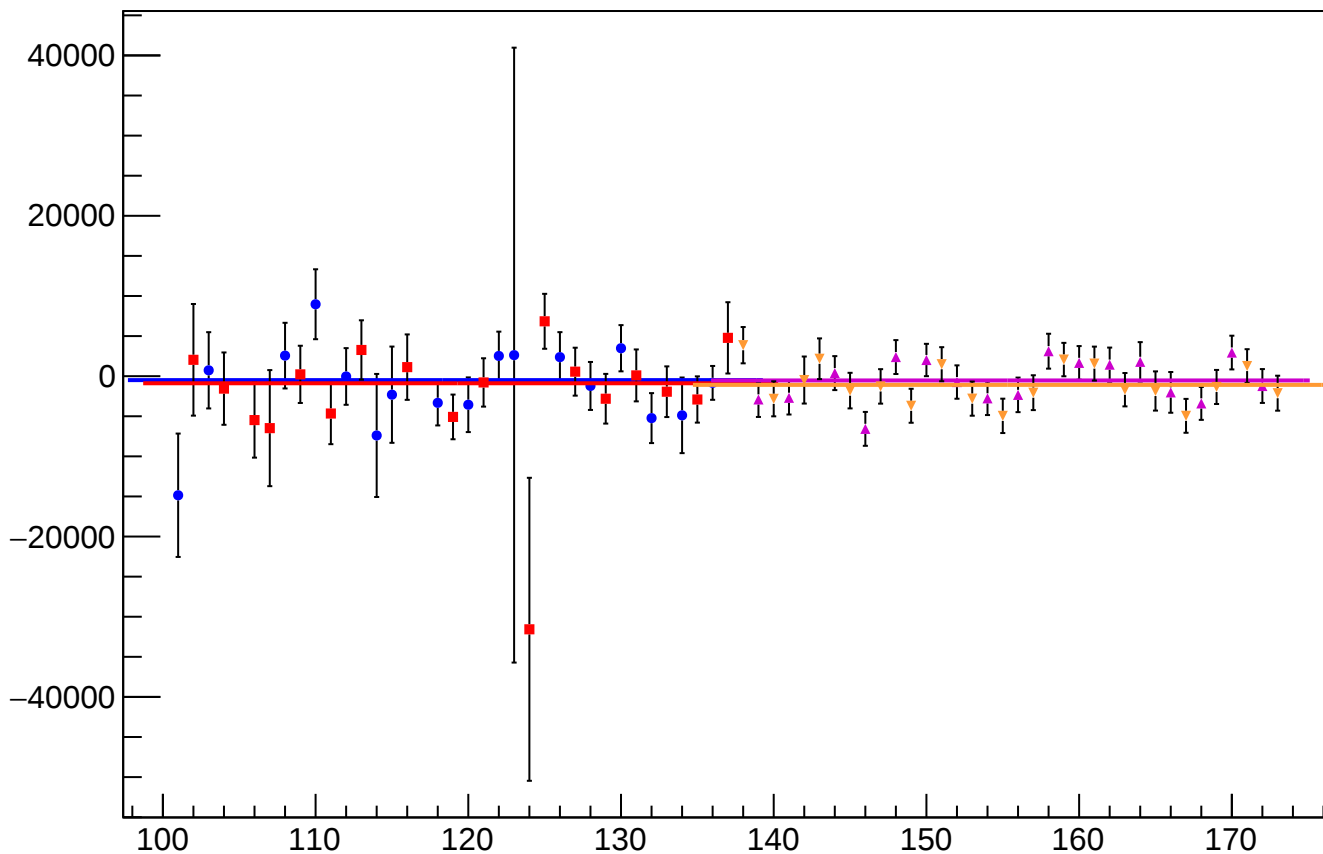
Right: 581.103+/-0.129 χ^2/NDF : 6943410.9/34

In: 462.393+/-0.077 χ^2/NDF : 3966671.7/33

Out: 469.508+/-0.076 χ^2/NDF : 4681673.6/36

All: 465.984+/-0.054 χ^2/NDF : 8652650.4/70

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -491.940+/-867.988 χ^2/NDF : 18.6/16

Left Out: -1086.044+/-504.716 χ^2/NDF : 23.2/18

Right Out: -884.654+/-869.140 χ^2/NDF : 17.3/17

Left In: -532.918+/-519.801 χ^2/NDF : 26.8/16

Left: -817.624+/-362.104 χ^2/NDF : 50.5/35

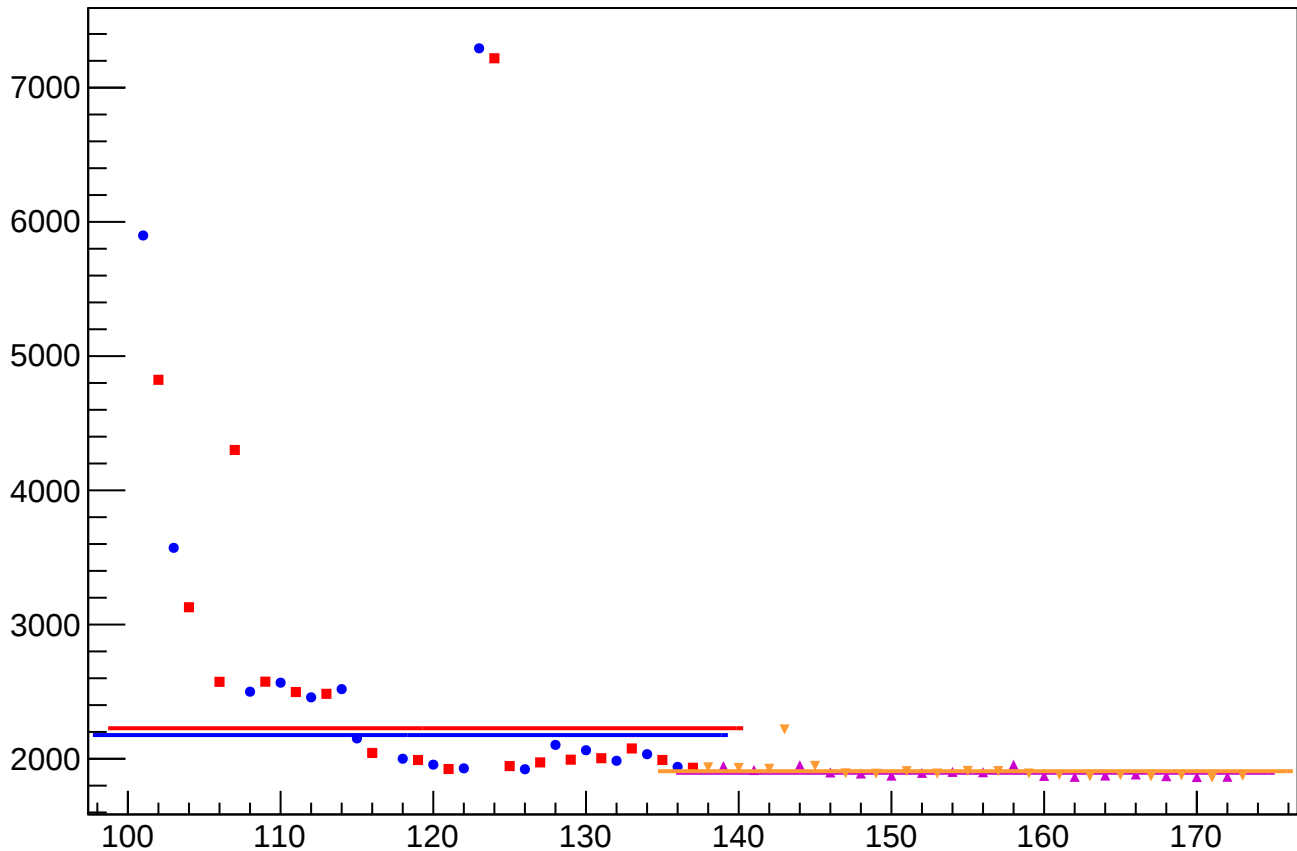
Right: -688.036+/-614.167 χ^2/NDF : 35.9/34

In: -522.101+/-445.950 χ^2/NDF : 45.3/33

Out: -1035.258+/-436.461 χ^2/NDF : 40.5/36

All: -784.197+/-311.925 χ^2/NDF : 86.5/70

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2176.746+/-0.614 χ^2/NDF : 802677.9/16

Left Out: 1907.602+/-0.357 χ^2/NDF : 35769.7/18

Right Out: 2227.688+/-0.615 χ^2/NDF : 825665.5/17

Left In: 1895.831+/-0.368 χ^2/NDF : 6378.6/16

Left: 1901.890+/-0.256 χ^2/NDF : 42676.3/35

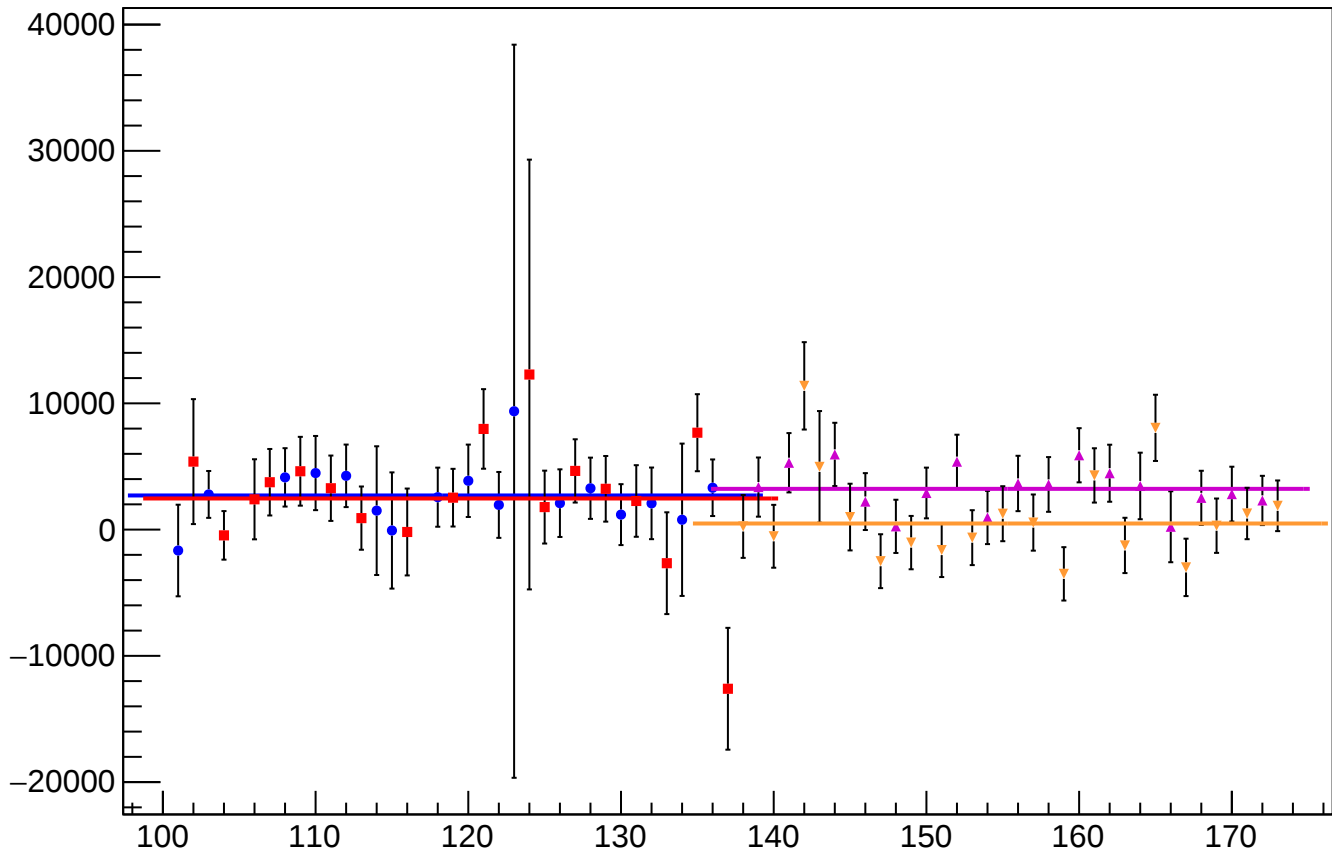
Right: 2202.183+/-0.434 χ^2/NDF : 1631783.3/34

In: 1969.982+/-0.315 χ^2/NDF : 963245.5/33

Out: 1988.322+/-0.309 χ^2/NDF : 1064288.2/36

All: 1979.349+/-0.221 χ^2/NDF : 2029261.3/70

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2703.508 +/- 673.898 χ^2/NDF : 4.0/16

Left Out: 482.720 +/- 528.503 χ^2/NDF : 33.6/18

Right Out: 2464.583 +/- 683.276 χ^2/NDF : 23.2/17

Left In: 3227.296 +/- 539.632 χ^2/NDF : 9.8/16

Left: 1826.414 +/- 377.581 χ^2/NDF : 56.6/35

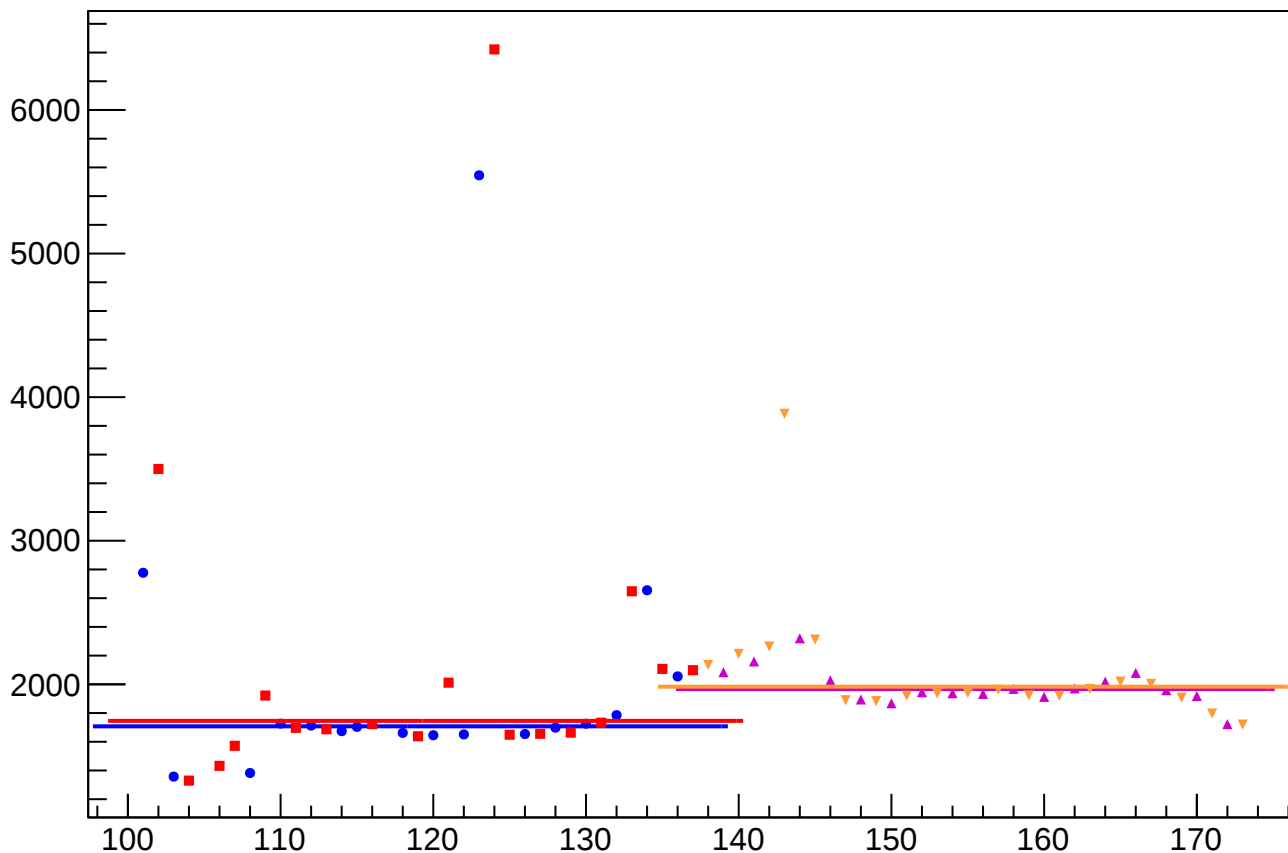
Right: 2585.697 +/- 479.799 χ^2/NDF : 27.3/34

In: 3022.654 +/- 421.225 χ^2/NDF : 14.2/33

Out: 1224.583 +/- 418.043 χ^2/NDF : 62.1/36

All: 2116.802 +/- 296.720 χ^2/NDF : 85.5/70

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1707.386+/-0.477 χ^2/NDF : 422166.4/16

Left Out: 1983.536+/-0.374 χ^2/NDF : 508022.3/18

Right Out: 1745.551+/-0.483 χ^2/NDF : 699240.7/17

Left In: 1967.229+/-0.382 χ^2/NDF : 105529.1/16

Left: 1975.552+/-0.267 χ^2/NDF : 614483.6/35

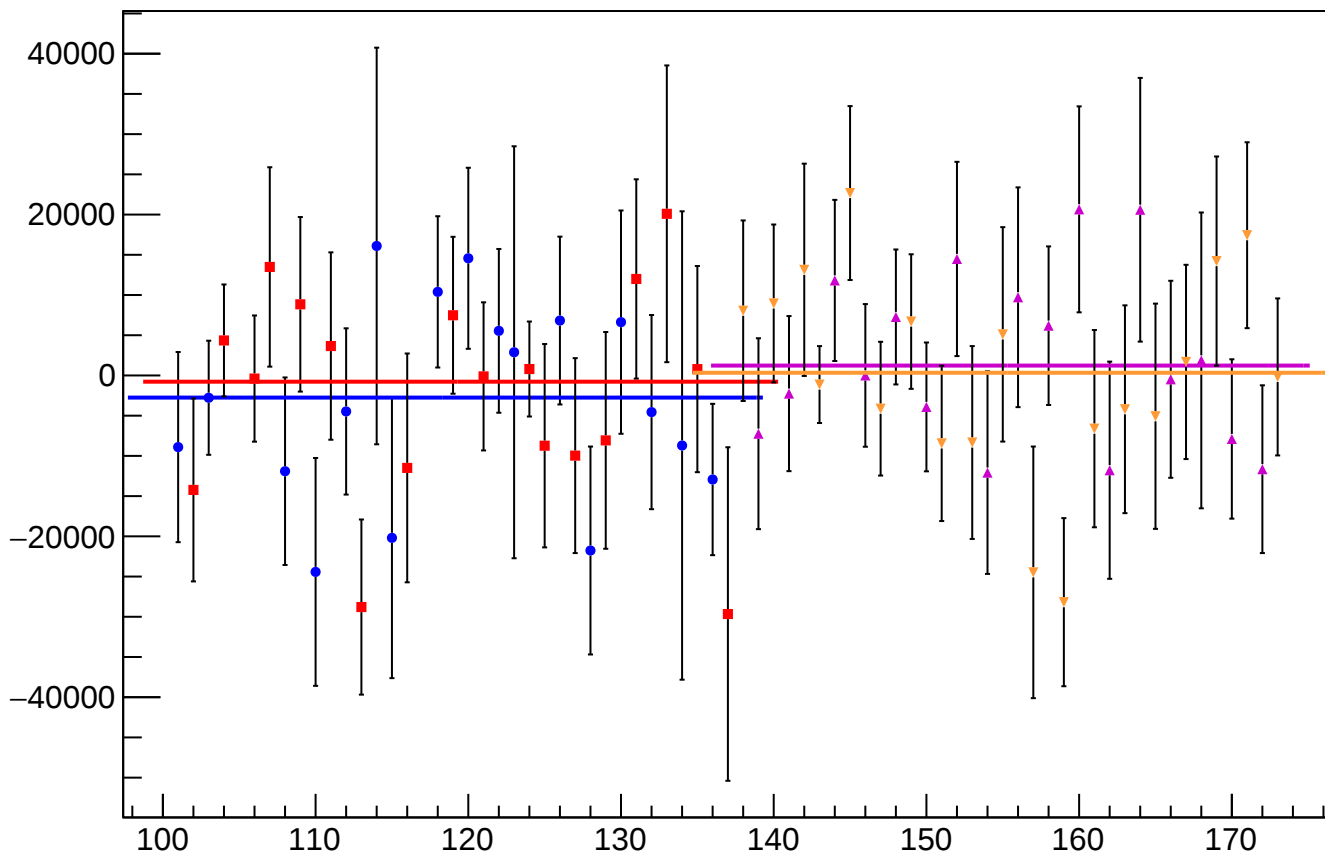
Right: 1726.210+/-0.339 χ^2/NDF : 1124571.0/34

In: 1865.709+/-0.298 χ^2/NDF : 708870.3/33

Out: 1894.421+/-0.296 χ^2/NDF : 1359119.7/36

All: 1880.175+/-0.210 χ^2/NDF : 2072672.0/70

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -2750.725 $\pm$ 2842.399 χ^2 /NDF: 14.6/16

Left Out: 335.751 $\pm$ 2292.929 χ^2 /NDF:22.8/18

Right Out: -774.921 $\pm$ 2440.788 χ^2 /NDF: 17.7/17

Left In: 1227.712 $\pm$ 2639.971 χ^2 /NDF:12.7/16

Left: 719.289 $\pm$ 1731.133 χ^2 /NDF: 35.6/35

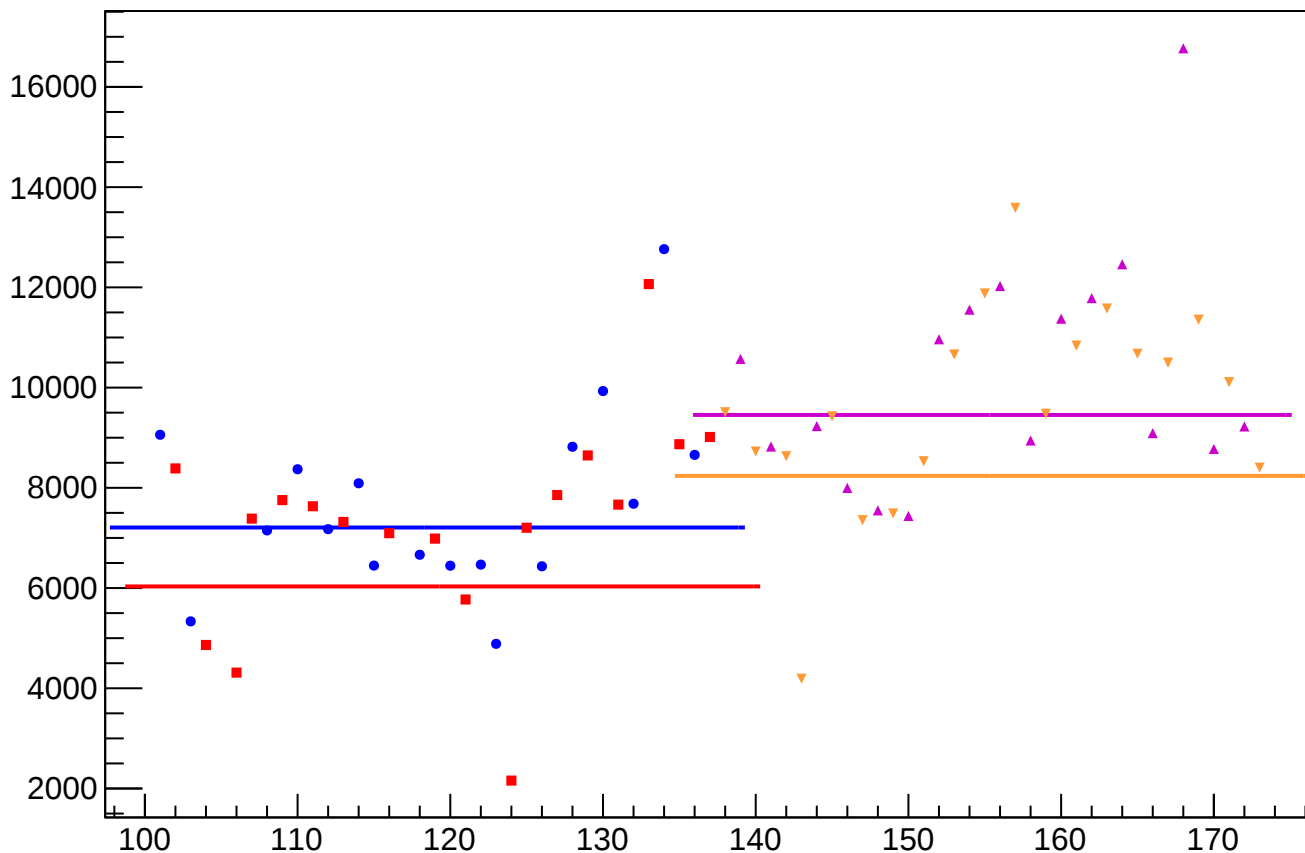
Right: -1613.491 $\pm$ 1851.753 χ^2 /NDF: 32.6/34

In: -614.809 $\pm$ 1934.350 χ^2 /NDF:28.3/33

Out: -184.926 $\pm$ 1671.174 χ^2 /NDF:40.7/36

All: -368.656 $\pm$ 1264.589 χ^2 /NDF: 69.0/70

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.346+/-2.010 χ^2/NDF : 493749.9/16

Left Out: 8238.444+/-1.621 χ^2/NDF : 2545777.7/18

Right Out: 6032.193+/-1.726 χ^2/NDF : 1797562.8/17

Left In: 9454.232+/-1.867 χ^2/NDF : 974676.2/16

Left: 8761.226+/-1.224 χ^2/NDF : 3762237.5/35

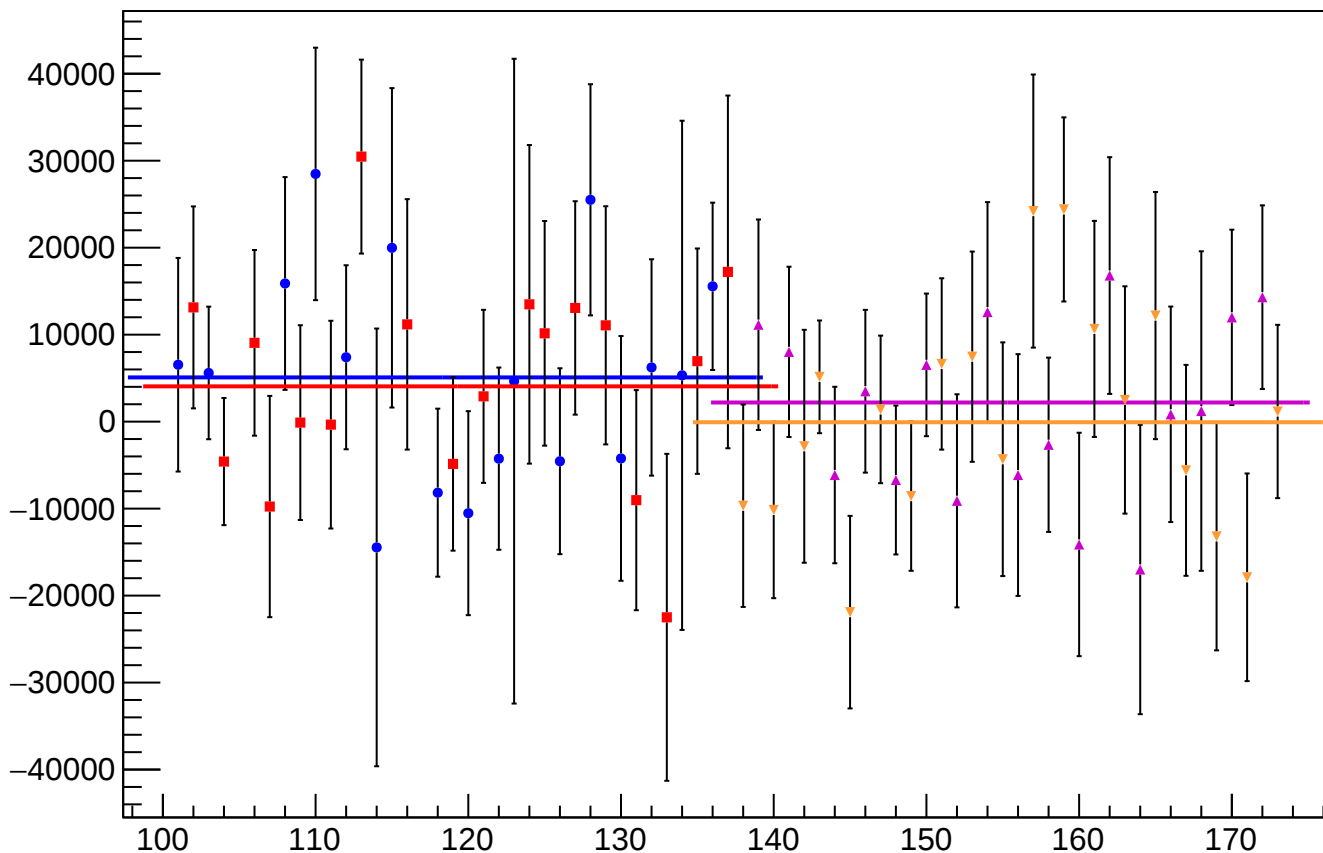
Right: 6531.375+/-1.309 χ^2/NDF : 2488415.8/34

In: 8414.102+/-1.368 χ^2/NDF : 2138784.4/33

Out: 7204.164+/-1.182 χ^2/NDF : 5211384.8/36

All: 7721.285+/-0.894 χ^2/NDF : 7798235.2/70

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5084.628+/-2955.245 χ^2/NDF : 14.0/16

Left Out: -70.374+/-2463.299 χ^2/NDF : 20.9/18

Right Out: 4055.589+/-2800.076 χ^2/NDF : 15.2/17

Left In: 2201.009+/-2688.423 χ^2/NDF : 11.4/16

Left: 966.250+/-1816.197 χ^2/NDF : 32.8/35

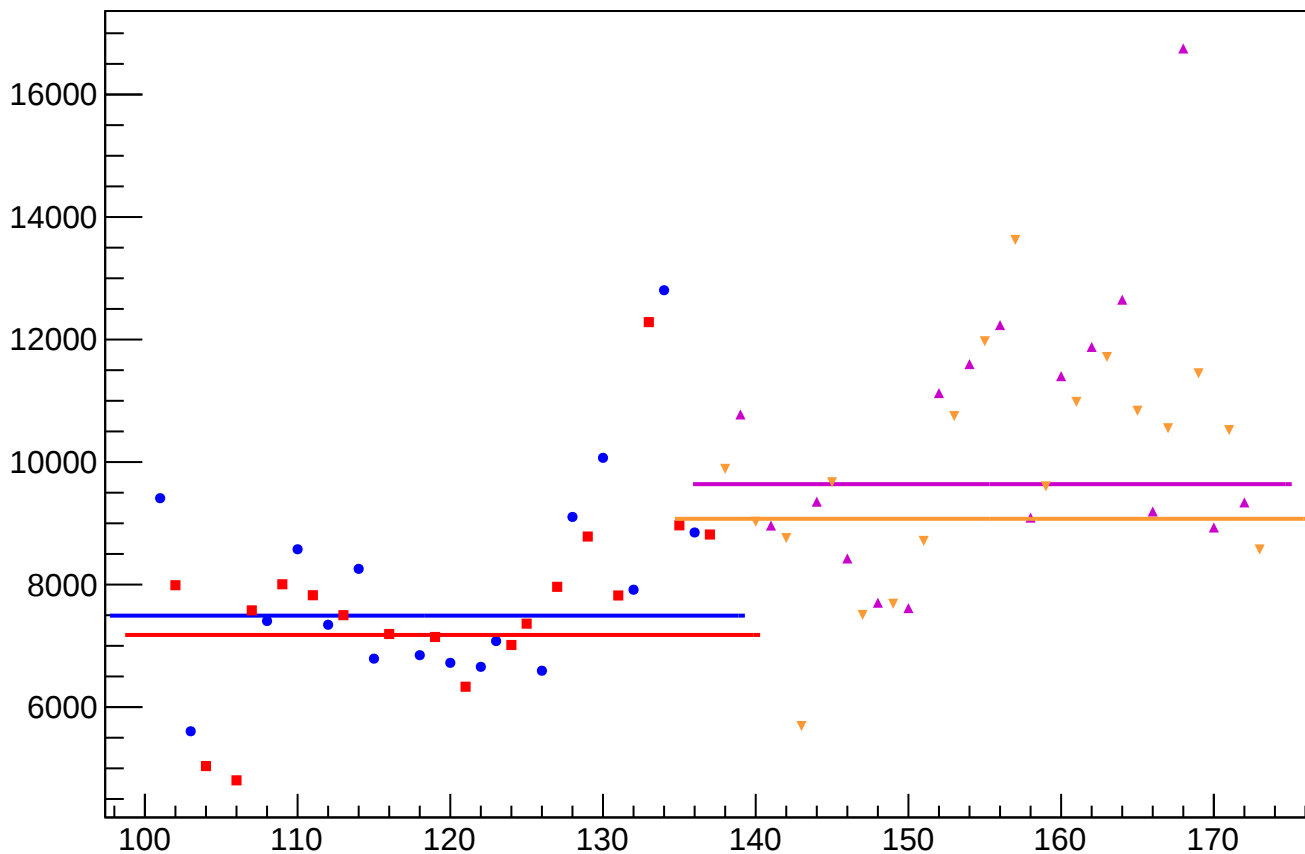
Right: 4542.385+/-2032.595 χ^2/NDF : 29.2/34

In: 3506.790+/-1988.657 χ^2/NDF : 25.9/33

Out: 1729.684+/-1849.483 χ^2/NDF : 37.3/36

All: 2553.883+/-1354.313 χ^2/NDF : 63.7/70

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7492.918 $\pm$ 2.090 χ^2/NDF : 437084.4/16

Left Out: 9073.849 $\pm$ 1.742 χ^2/NDF : 1279688.7/18

Right Out: 7177.811 $\pm$ 1.980 χ^2/NDF : 555902.2/17

Left In: 9639.336 $\pm$ 1.901 χ^2/NDF : 911177.2/16

Left: 9331.928 $\pm$ 1.284 χ^2/NDF : 2238968.9/35

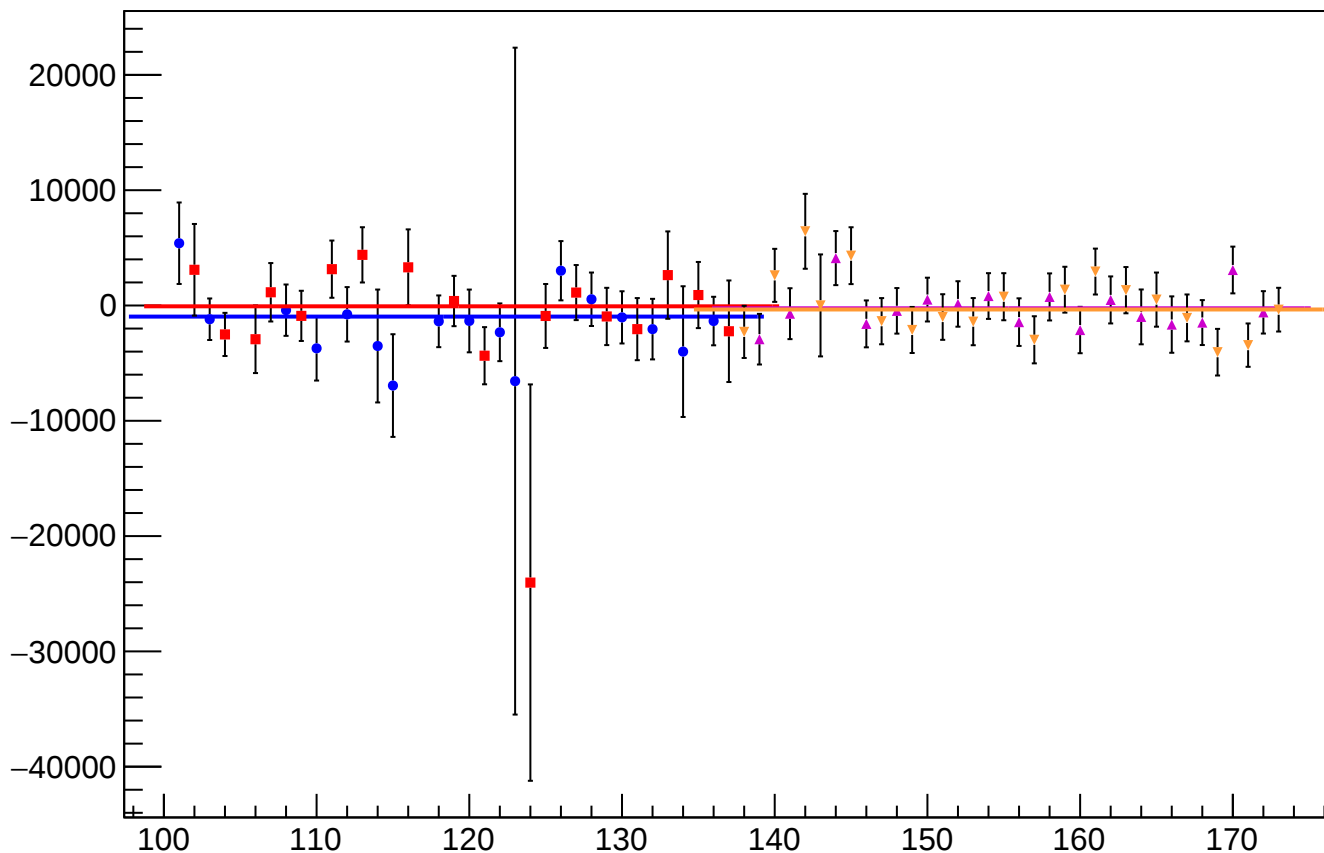
Right: 7326.859 $\pm$ 1.437 χ^2/NDF : 1004970.1/34

In: 8667.352 $\pm$ 1.406 χ^2/NDF : 1925570.4/33

Out: 8246.533 $\pm$ 1.308 χ^2/NDF : 2352619.2/36

All: 8441.694 $\pm$ 0.958 χ^2/NDF : 4326214.5/70

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -962.541+/-643.025 χ^2/NDF : 10.1/16

Left Out: -345.961+/-490.807 χ^2/NDF :24.2/18

Right Out: -71.322+/-634.426 χ^2/NDF : 16.7/17

Left In: -241.131+/-500.630 χ^2/NDF :11.1/16

Left: -294.584+/-350.474 χ^2/NDF : 35.3/35

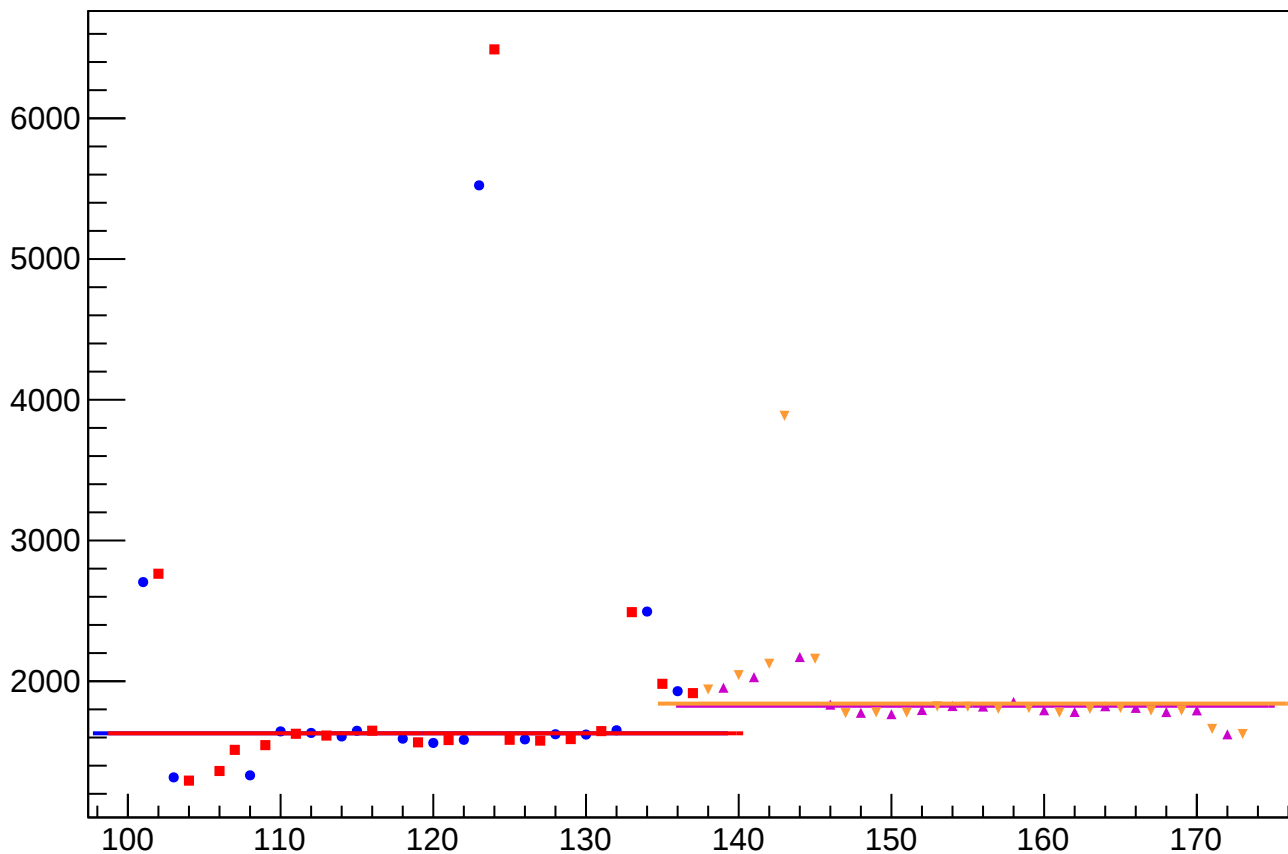
Right: -510.933+/-451.616 χ^2/NDF : 27.8/34

In: -513.386+/-395.025 χ^2/NDF :21.9/33

Out: -243.133+/-388.200 χ^2/NDF :41.0/36

All: -375.905+/-276.880 χ^2/NDF : 63.2/70

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1629.954+/-0.455 χ^2/NDF : 408151.7/16

Left Out: 1840.890+/-0.347 χ^2/NDF : 553283.6/18

Right Out: 1629.941+/-0.449 χ^2/NDF : 557457.4/17

Left In: 1825.657+/-0.354 χ^2/NDF : 98995.6/16

Left: 1833.425+/-0.248 χ^2/NDF : 653223.4/35

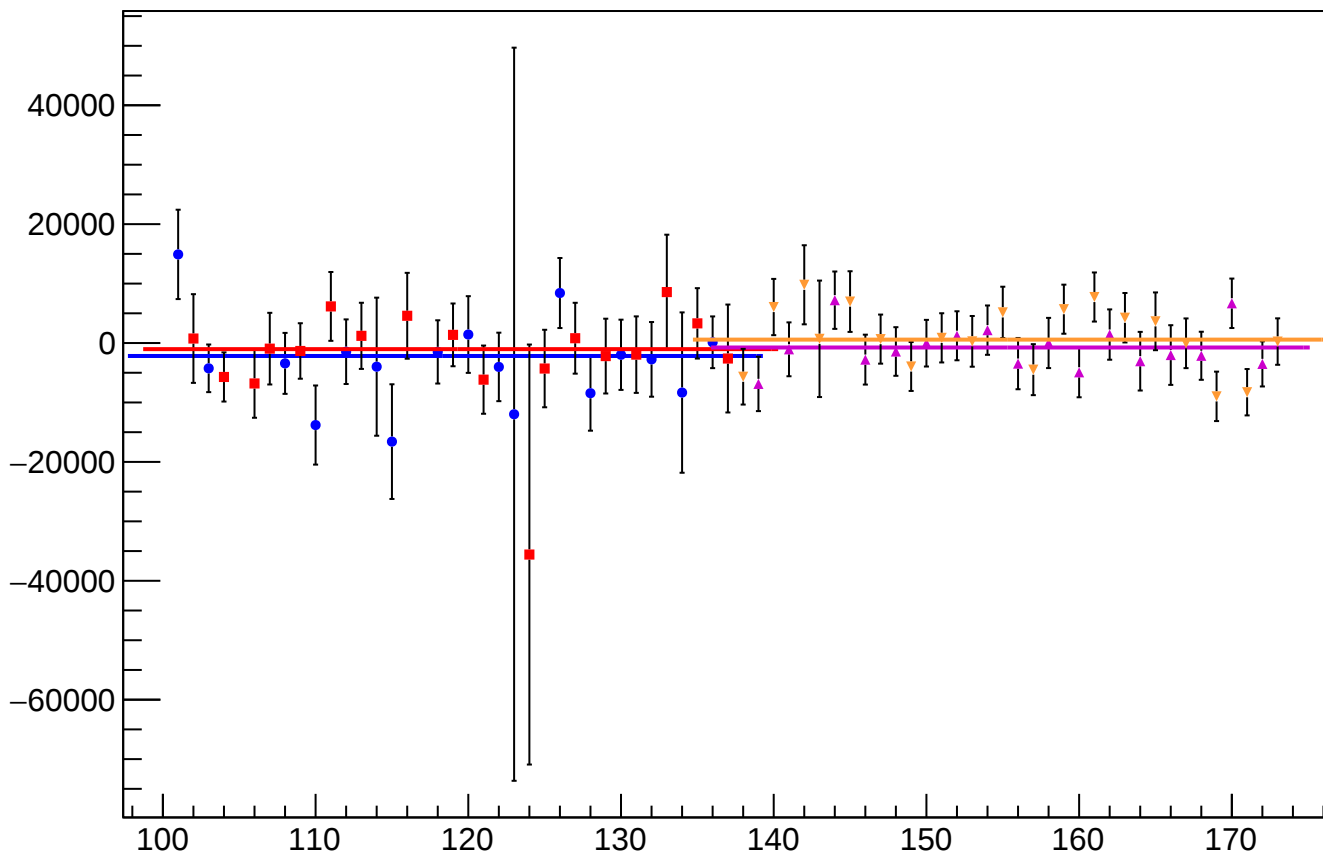
Right: 1629.948+/-0.319 χ^2/NDF : 965609.1/34

In: 1751.800+/-0.279 χ^2/NDF : 622489.1/33

Out: 1761.908+/-0.274 χ^2/NDF : 1249070.0/36

All: 1756.942+/-0.196 χ^2/NDF : 1872225.3/70

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: -2179.244 ± 1493.026 $\chi^2/\text{NDF}: 16.0/16$

Left Out: 574.041 ± 1018.262 $\chi^2/\text{NDF}: 26.5/18$

Right Out: -1026.991 ± 1442.331 $\chi^2/\text{NDF}: 8.6/17$

Left In: -751.053 ± 1037.367 $\chi^2/\text{NDF}: 11.3/16$

Left: -76.191 ± 726.680 $\chi^2/\text{NDF}: 38.7/35$

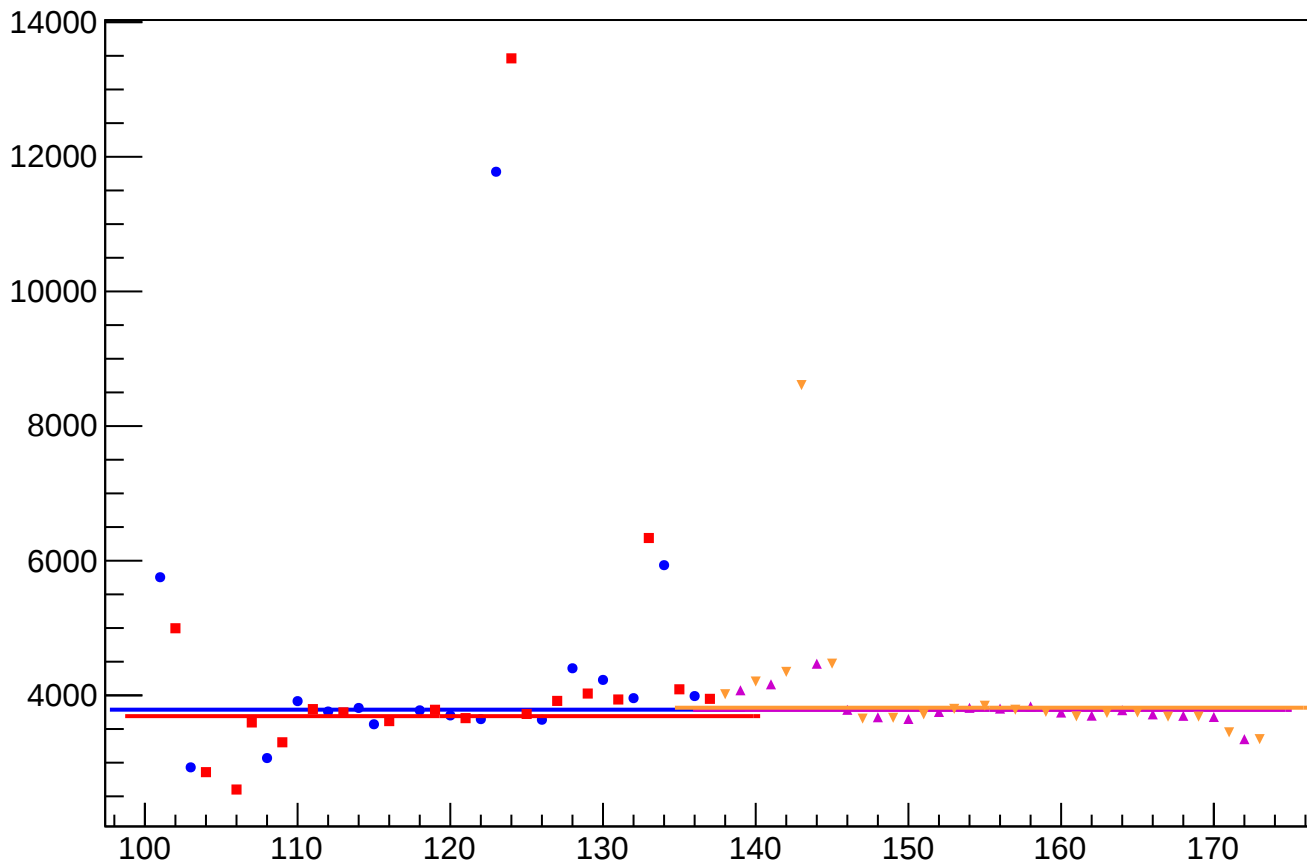
Right: -1583.224 ± 1037.341 $\chi^2/\text{NDF}: 24.9/34$

In: -1216.046 ± 851.917 $\chi^2/\text{NDF}: 27.9/33$

Out: 41.494 ± 831.847 $\chi^2/\text{NDF}: 35.9/36$

All: -572.289 ± 595.174 $\chi^2/\text{NDF}: 65.0/70$

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3787.301+/-1.056 χ^2/NDF : 392650.8/16

Left Out: 3816.289+/-0.720 χ^2/NDF : 602256.6/18

Right Out: 3691.246+/-1.020 χ^2/NDF : 555157.1/17

Left In: 3783.278+/-0.734 χ^2/NDF : 96732.1/16

Left: 3800.090+/-0.514 χ^2/NDF : 700020.2/35

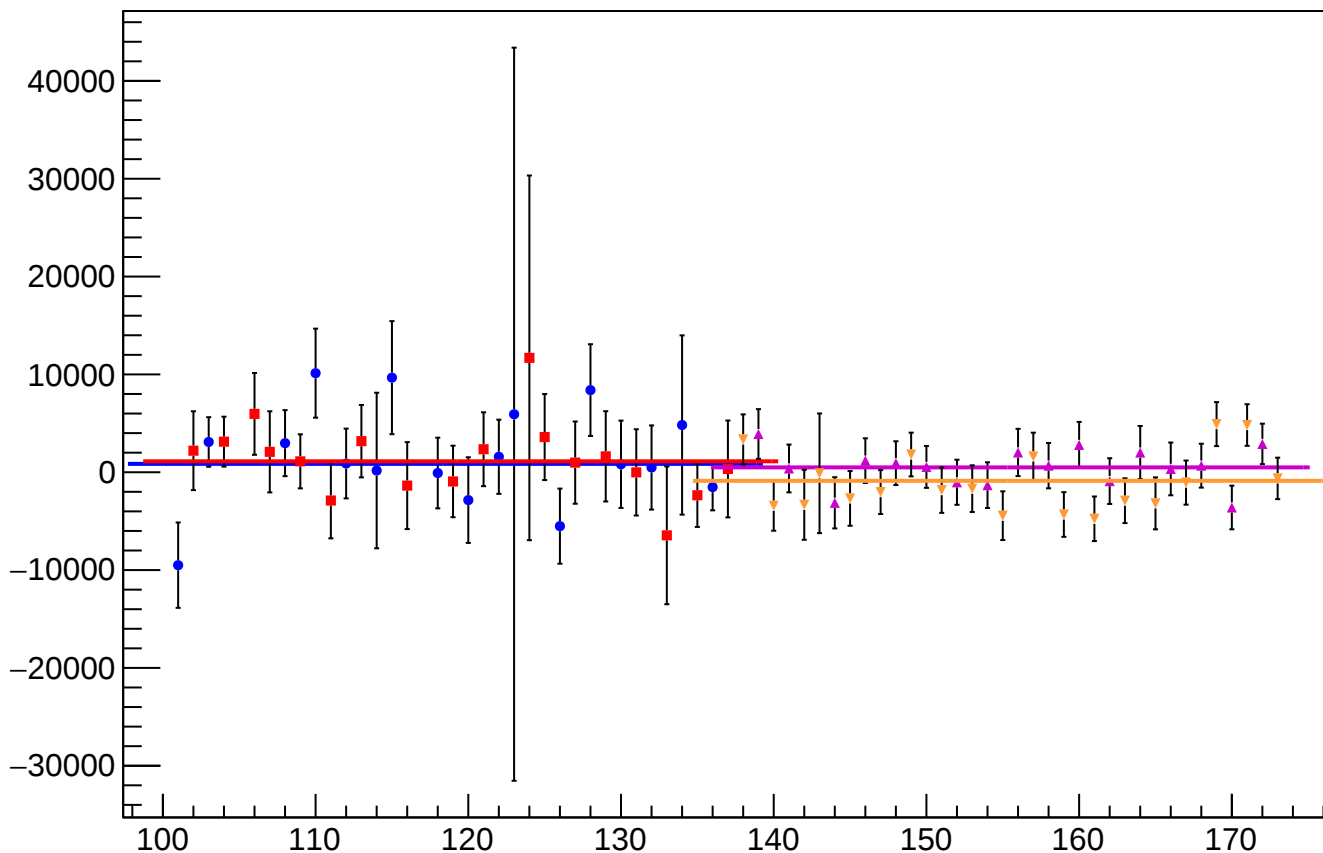
Right: 3737.614+/-0.734 χ^2/NDF : 952090.1/34

In: 3784.588+/-0.602 χ^2/NDF : 489392.7/33

Out: 3774.695+/-0.588 χ^2/NDF : 1167446.1/36

All: 3779.523+/-0.421 χ^2/NDF : 1656976.9/70

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 856.187 $\pm$ 964.743 χ^2/NDF : 20.7/16

Left Out: -876.443 $\pm$ 560.460 χ^2/NDF : 30.3/18

Right Out: 1117.553 $\pm$ 927.195 χ^2/NDF : 7.3/17

Left In: 496.977 $\pm$ 570.034 χ^2/NDF : 11.6/16

Left: -201.364 $\pm$ 399.647 χ^2/NDF : 44.9/35

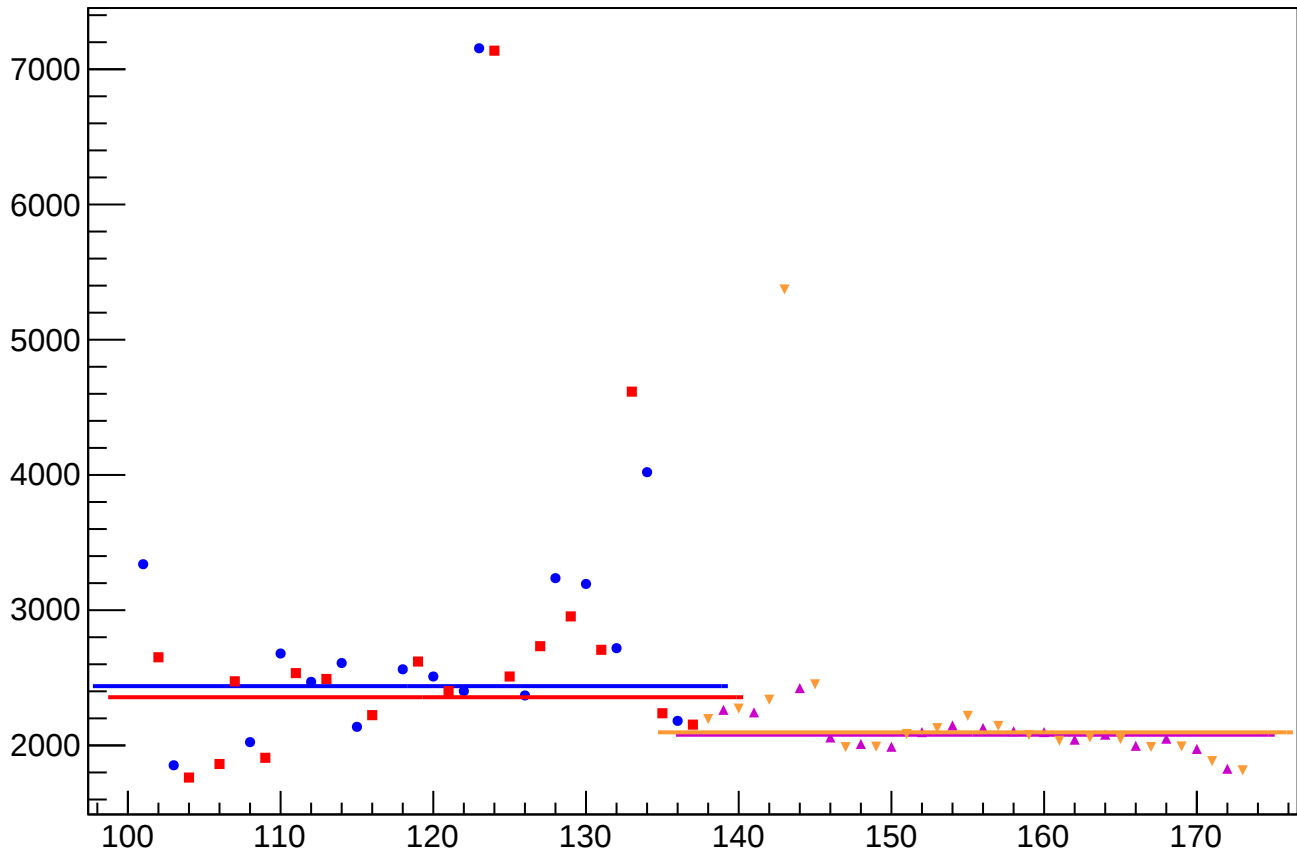
Right: 992.055 $\pm$ 668.506 χ^2/NDF : 28.0/34

In: 589.933 $\pm$ 490.767 χ^2/NDF : 32.4/33

Out: -342.842 $\pm$ 479.642 χ^2/NDF : 40.9/36

All: 112.854 $\pm$ 343.024 χ^2/NDF : 75.2/70

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2438.275 ± 0.682 $\chi^2/\text{NDF}: 476723.4/16$

Left Out: 2096.636 ± 0.396 $\chi^2/\text{NDF}: 709454.4/18$

Right Out: 2356.405 ± 0.656 $\chi^2/\text{NDF}: 629132.8/17$

Left In: 2078.851 ± 0.403 $\chi^2/\text{NDF}: 99613.8/16$

Left: 2087.894 ± 0.283 $\chi^2/\text{NDF}: 810058.1/35$

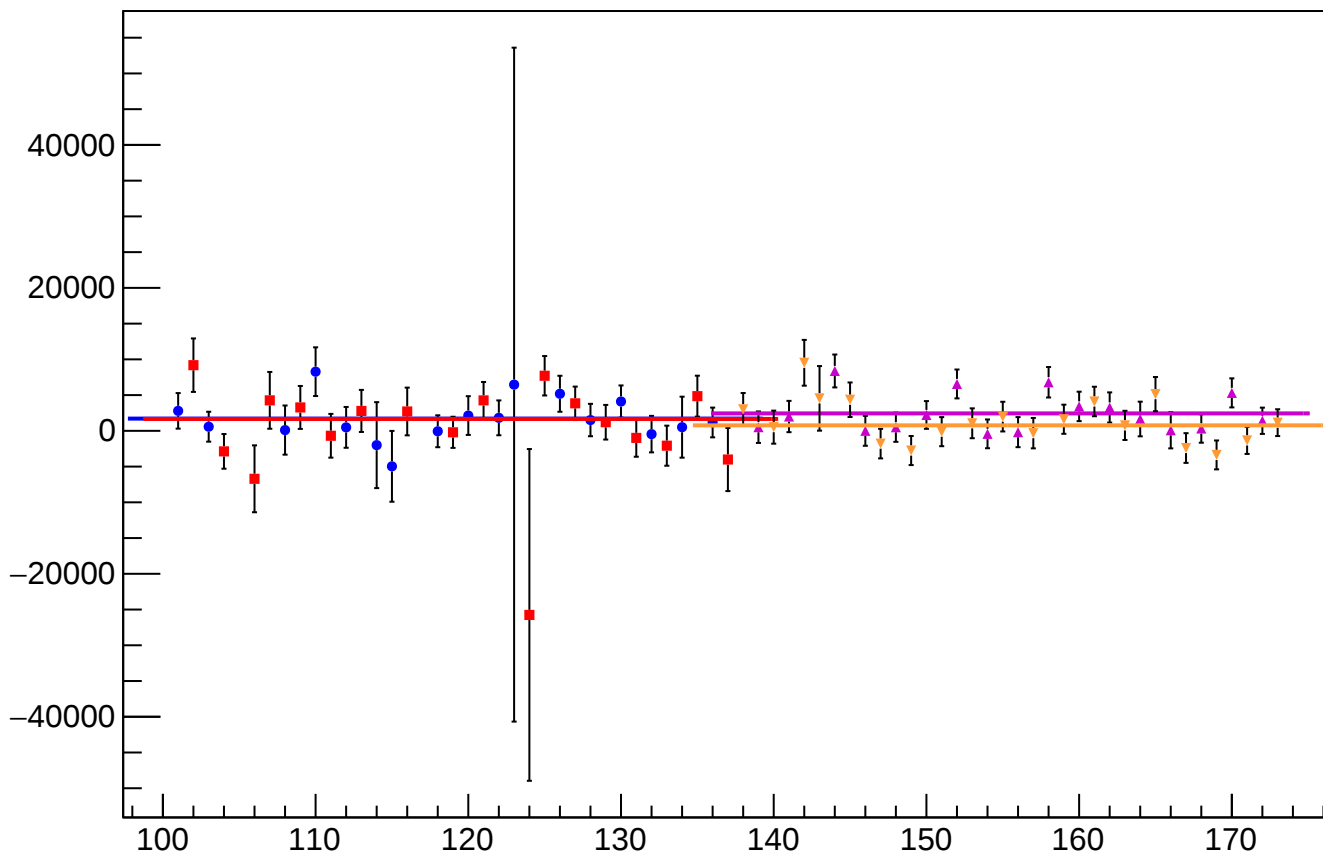
Right: 2395.716 ± 0.473 $\chi^2/\text{NDF}: 1113343.5/34$

In: 2171.862 ± 0.347 $\chi^2/\text{NDF}: 782102.2/33$

Out: 2166.152 ± 0.339 $\chi^2/\text{NDF}: 1453563.8/36$

All: 2168.941 ± 0.243 $\chi^2/\text{NDF}: 2235804.5/70$

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1712.566 $\pm$ 667.149 χ^2/NDF : 11.4/16

Left Out: 769.508 $\pm$ 498.319 χ^2/NDF :30.6/18

Right Out: 1665.369 $\pm$ 695.701 χ^2/NDF : 26.8/17

Left In: 2440.382 $\pm$ 509.540 χ^2/NDF :26.4/16

Left: 1586.345 $\pm$ 356.266 χ^2/NDF : 62.5/35

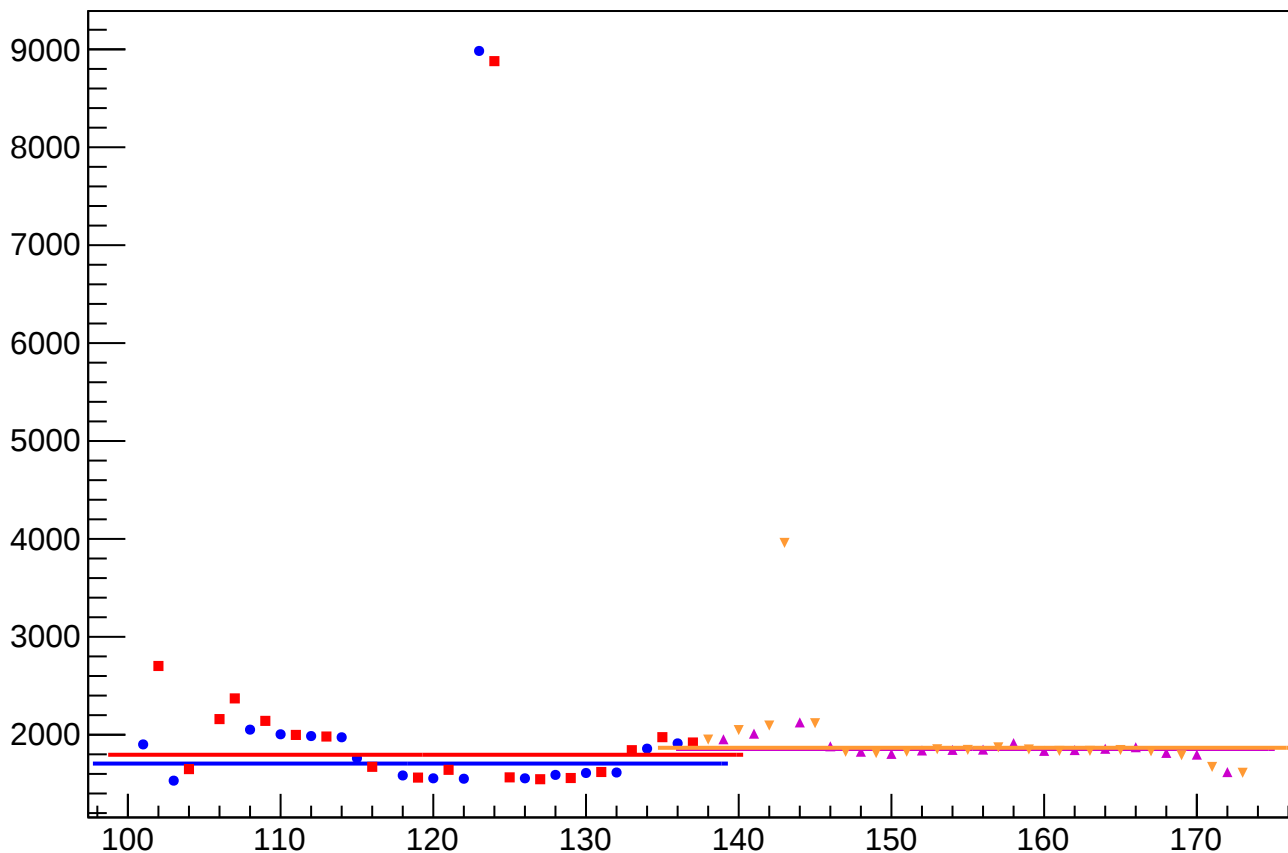
Right: 1689.956 $\pm$ 481.523 χ^2/NDF : 38.2/34

In: 2172.242 $\pm$ 404.943 χ^2/NDF :38.5/33

Out: 1073.284 $\pm$ 405.116 χ^2/NDF :58.6/36

All: 1622.998 $\pm$ 286.399 χ^2/NDF : 100.8/70

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1705.624+/-0.472 χ^2/NDF : 194174.2/16

Left Out: 1866.826+/-0.352 χ^2/NDF : 542020.8/18

Right Out: 1795.574+/-0.491 χ^2/NDF : 518805.1/17

Left In: 1854.455+/-0.360 χ^2/NDF : 81624.1/16

Left: 1860.778+/-0.252 χ^2/NDF : 624247.6/35

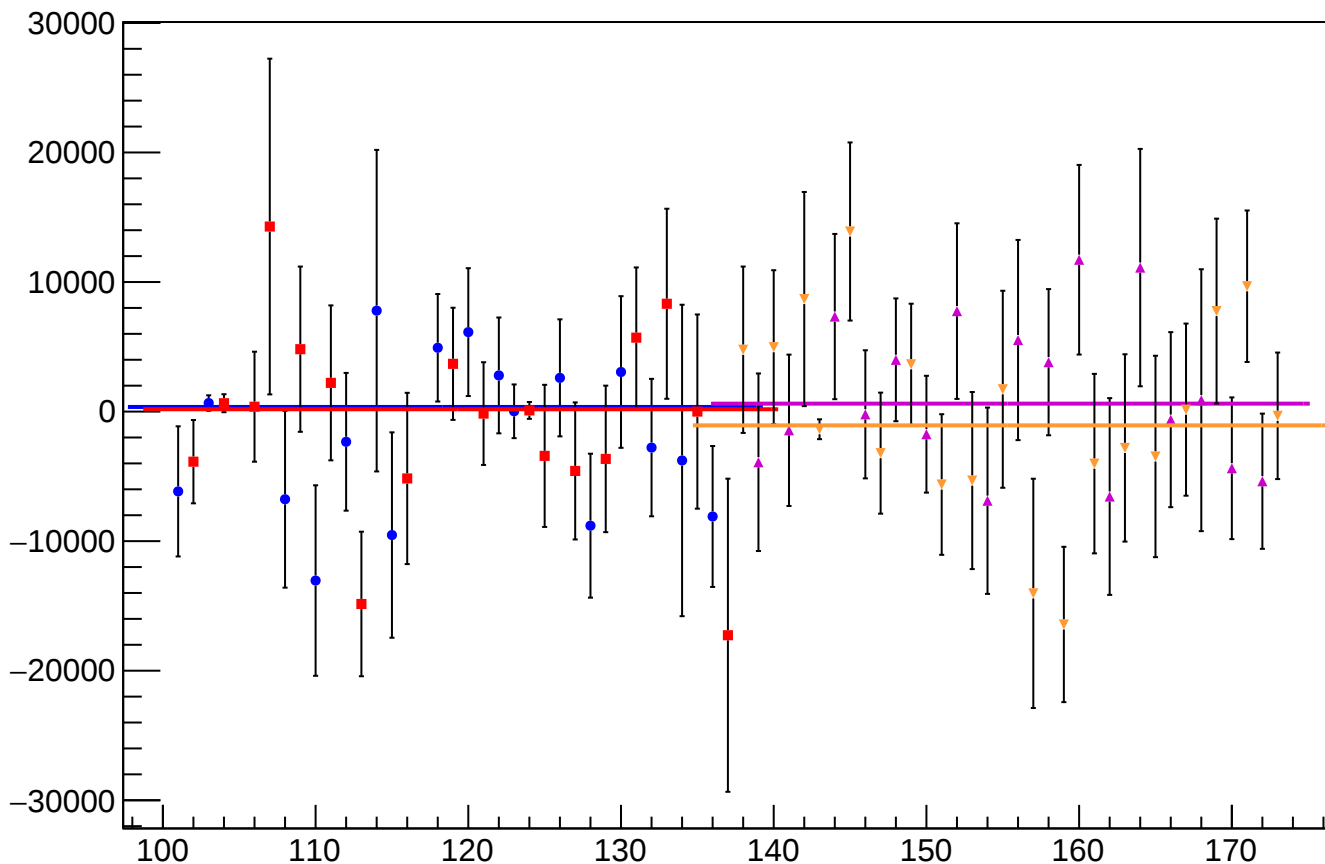
Right: 1748.814+/-0.340 χ^2/NDF : 730436.4/34

In: 1799.623+/-0.286 χ^2/NDF : 338661.9/33

Out: 1842.595+/-0.286 χ^2/NDF : 1074731.0/36

All: 1821.116+/-0.202 χ^2/NDF : 1424657.7/70

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 357.025 $\pm$ 533.209 χ^2 /NDF: 17.5/16

Left Out: -1063.473 $\pm$ 679.307 χ^2 /NDF:24.6/18

Right Out: 179.185 $\pm$ 446.995 χ^2 /NDF: 18.5/17

Left In: 612.894 $\pm$ 1492.586 χ^2 /NDF:12.1/16

Left: -775.821 $\pm$ 618.285 χ^2 /NDF: 37.8/35

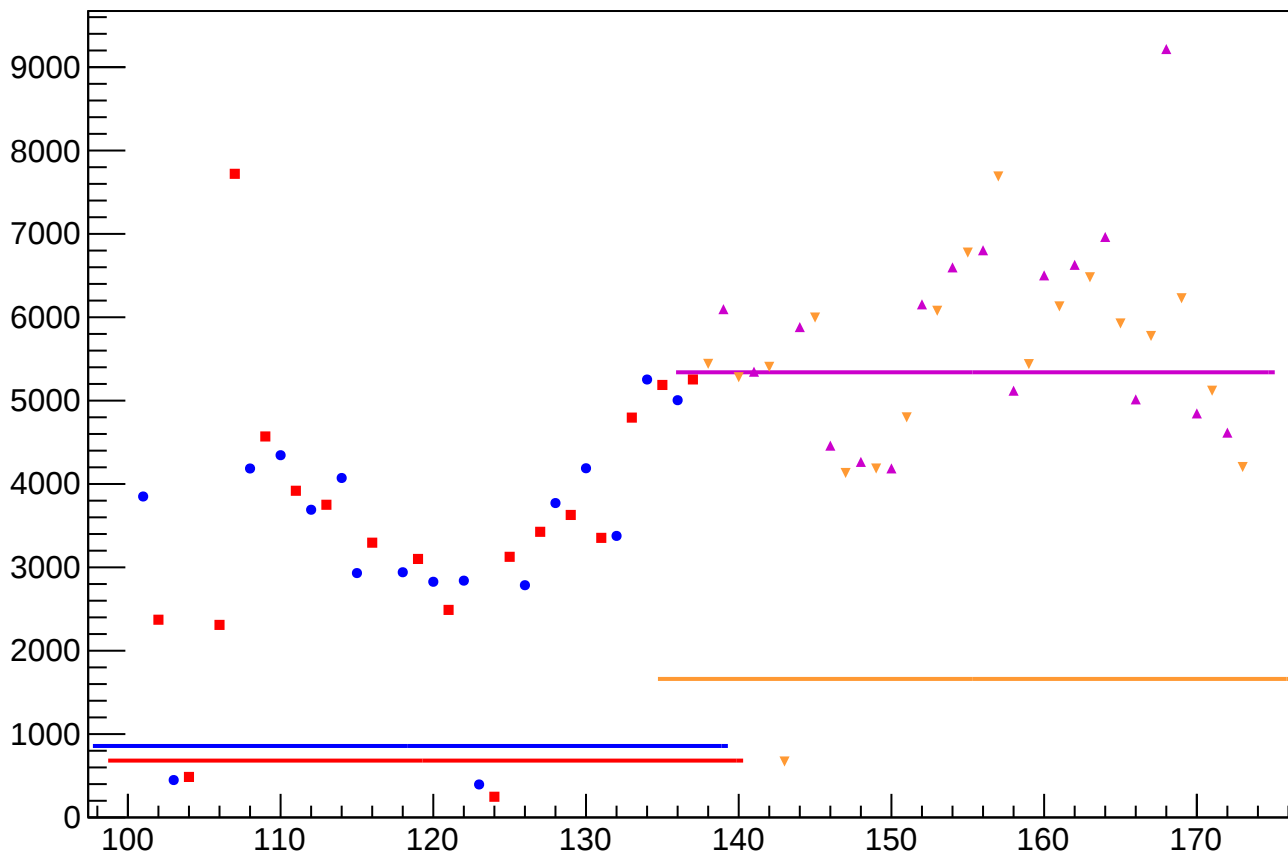
Right: 252.583 $\pm$ 342.551 χ^2 /NDF: 36.1/34

In: 385.983 $\pm$ 502.130 χ^2 /NDF:29.6/33

Out: -196.292 $\pm$ 373.407 χ^2 /NDF:45.5/36

All: 11.049 $\pm$ 299.637 χ^2 /NDF: 75.9/70

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 857.472 $\pm$ 0.377 χ^2 /NDF: 8175260.6/16

Left Out: 1661.687 $\pm$ 0.480 χ^2 /NDF: 16407221.7/18

Right Out: 682.114 $\pm$ 0.316 χ^2 /NDF: 9378570.8/17

Left In: 5339.928 $\pm$ 1.055 χ^2 /NDF: 1025530.6/16

Left: 2292.845 $\pm$ 0.437 χ^2 /NDF: 27494554.0/35

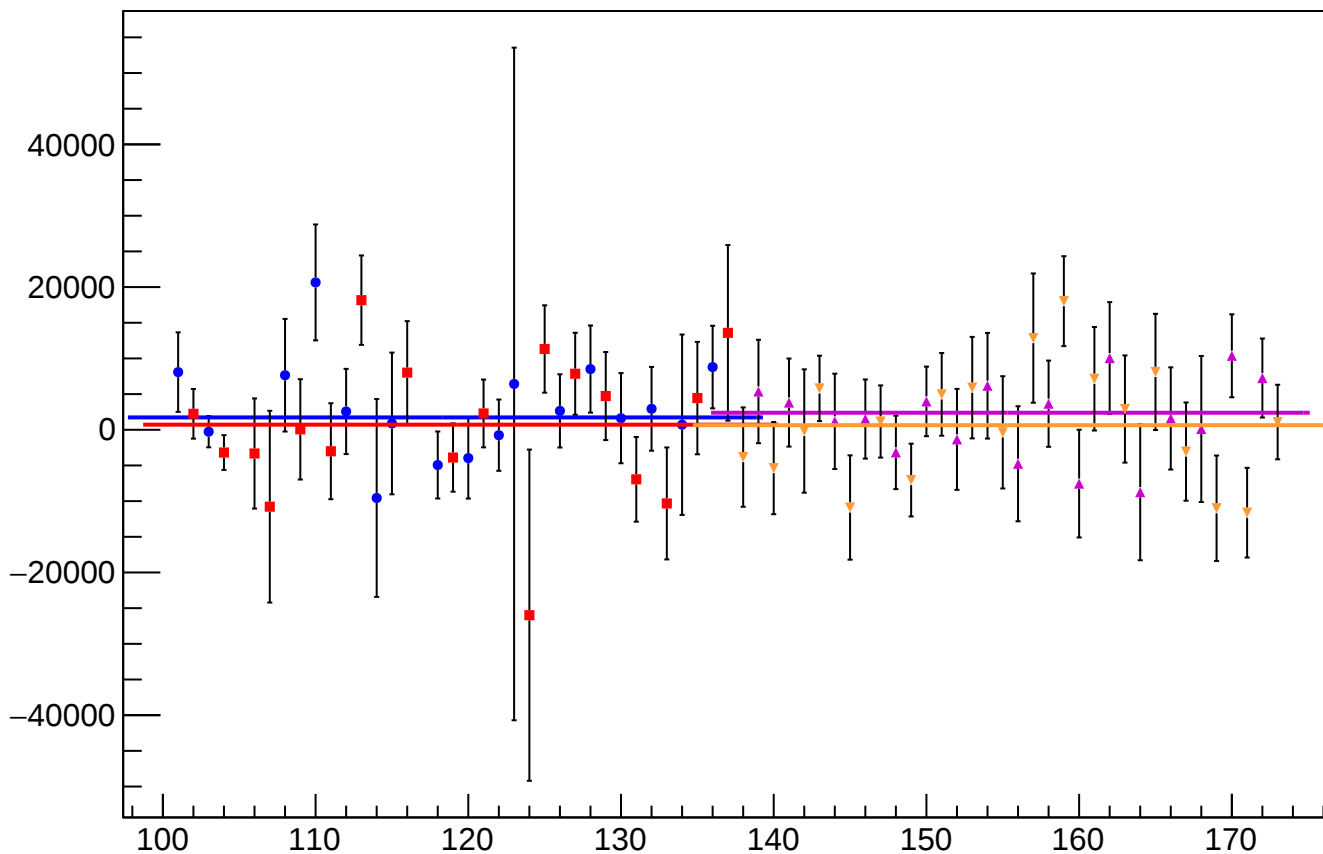
Right: 754.488 $\pm$ 0.242 χ^2 /NDF: 17680867.8/34

In: 1364.777 $\pm$ 0.355 χ^2 /NDF: 25197141.8/33

Out: 978.098 $\pm$ 0.264 χ^2 /NDF: 28688004.1/36

All: 1115.790 $\pm$ 0.212 χ^2 /NDF: 54648851.8/71

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1733.273+/-1304.606 χ^2/NDF : 14.9/16

Left Out: 643.797+/-1477.468 χ^2/NDF : 26.2/18

Right Out: 715.502+/-1290.698 χ^2/NDF : 25.1/17

Left In: 2389.898+/-1586.893 χ^2/NDF : 9.7/16

Left: 1454.576+/-1081.344 χ^2/NDF : 36.5/35

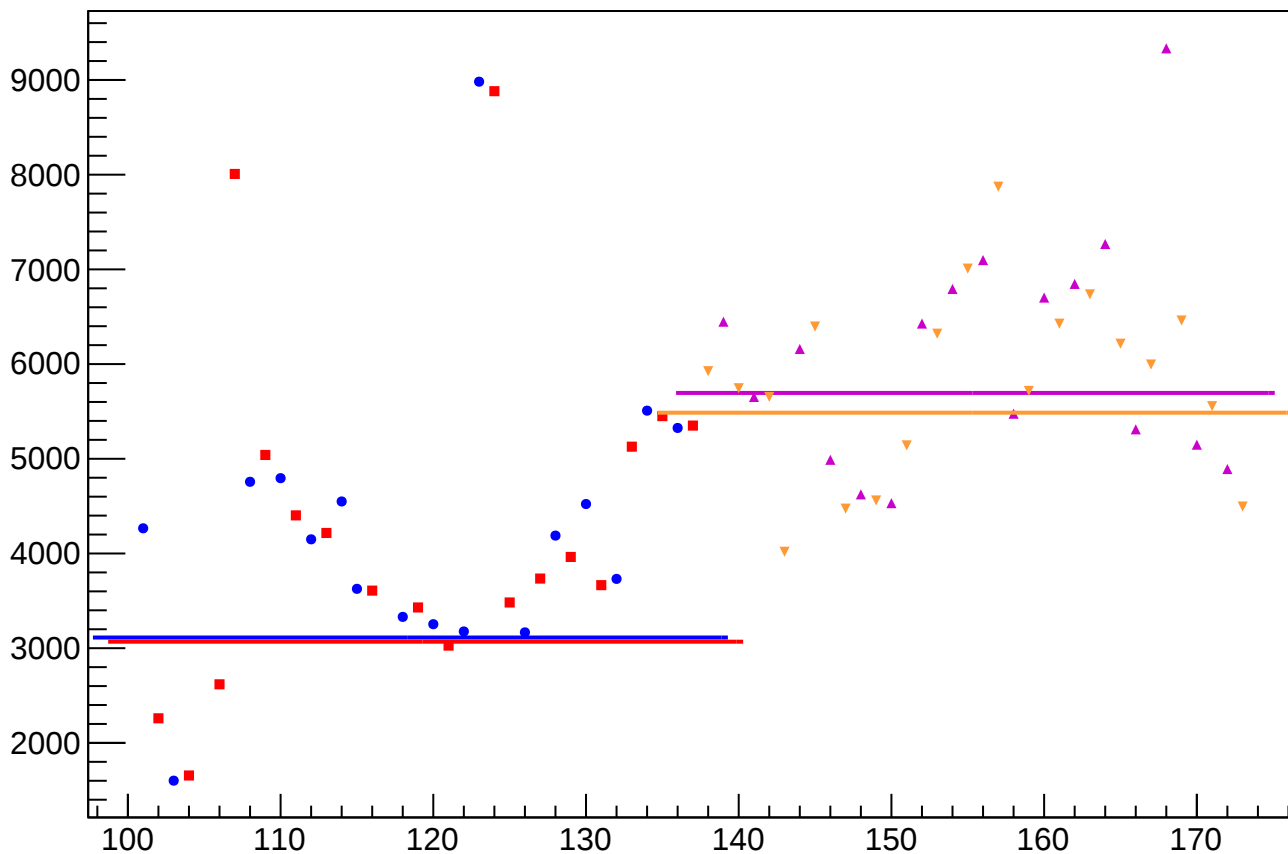
Right: 1218.933+/-917.539 χ^2/NDF : 40.3/34

In: 1998.087+/-1007.765 χ^2/NDF : 24.7/33

Out: 684.466+/-972.029 χ^2/NDF : 51.3/36

All: 1317.573+/-699.621 χ^2/NDF : 76.9/70

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3112.686 $\pm$ 0.922 χ^2 /NDF: 1884511.8/16

Left Out: 5486.868 $\pm$ 1.045 χ^2 /NDF: 867950.6/18

Right Out: 3068.634 $\pm$ 0.899 χ^2 /NDF: 2001632.3/17

Left In: 5695.364 $\pm$ 1.122 χ^2 /NDF: 844124.3/16

Left: 5583.680 $\pm$ 0.765 χ^2 /NDF: 1730568.6/35

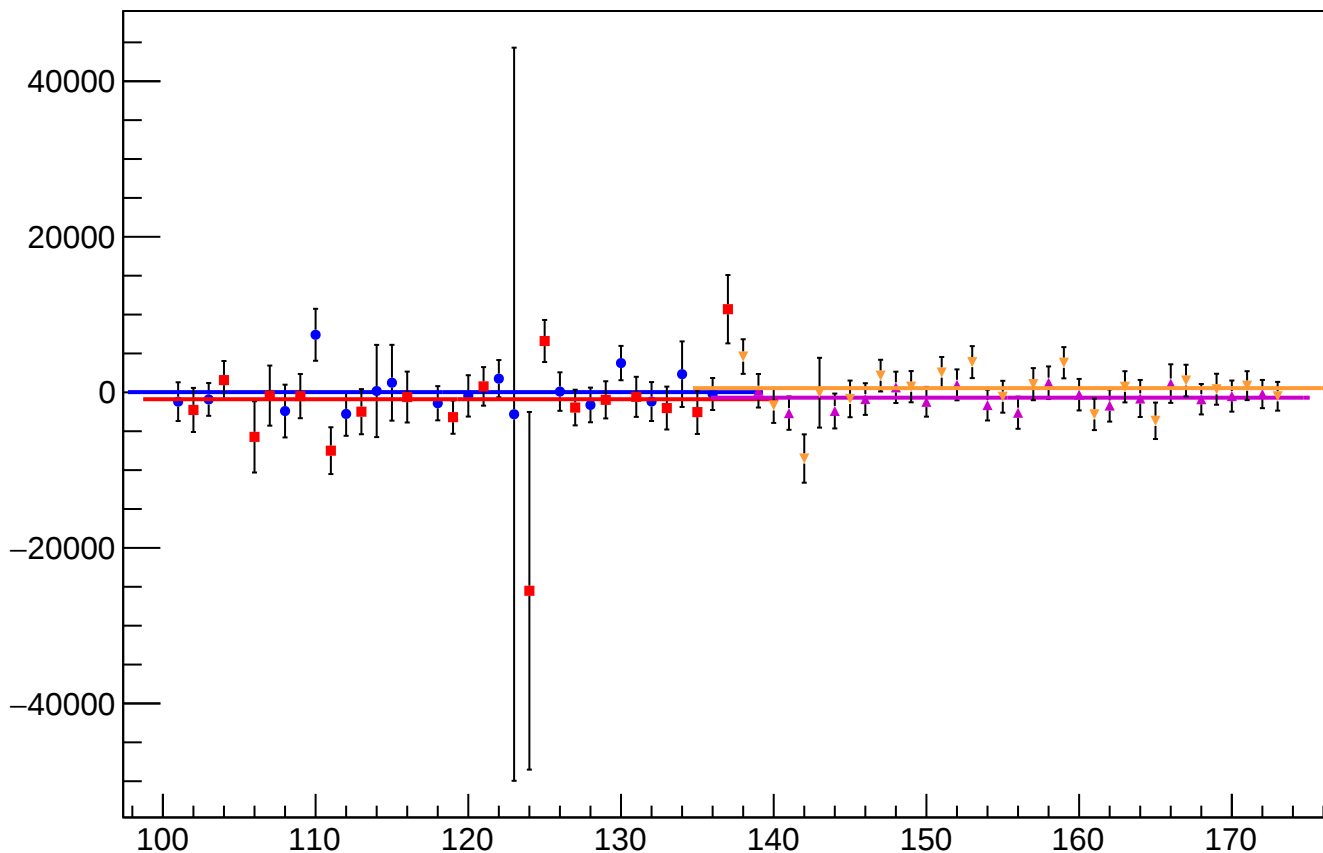
Right: 3090.101 $\pm$ 0.644 χ^2 /NDF: 3887313.2/34

In: 4154.262 $\pm$ 0.713 χ^2 /NDF: 5889724.1/33

Out: 4097.932 $\pm$ 0.682 χ^2 /NDF: 5946912.4/36

All: 4124.845 $\pm$ 0.493 χ^2 /NDF: 11839899.8/70

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 29.102+/-658.403 χ^2/NDF : 11.8/16

Left Out: 542.788+/-489.113 χ^2/NDF : 27.0/18

Right Out: -882.685+/-674.623 χ^2/NDF : 25.6/17

Left In: -687.318+/-500.264 χ^2/NDF : 5.7/16

Left: -58.401+/-349.731 χ^2/NDF : 35.8/35

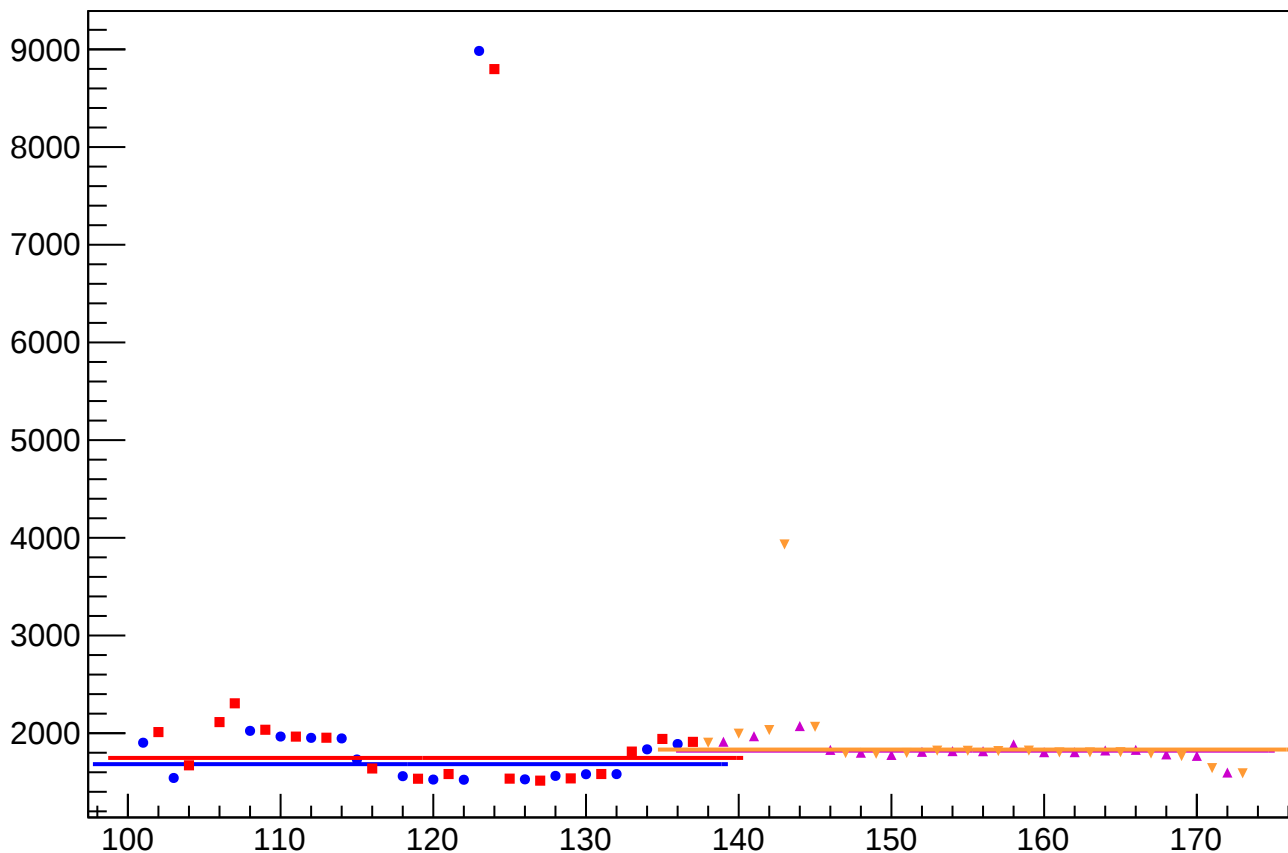
Right: -415.699+/-471.191 χ^2/NDF : 38.4/34

In: -425.099+/-398.327 χ^2/NDF : 18.2/33

Out: 51.654+/-395.988 χ^2/NDF : 55.5/36

All: -185.318+/-280.829 χ^2/NDF : 74.5/70

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1683.124+/-0.466 χ^2/NDF : 195857.2/16

Left Out: 1832.501+/-0.346 χ^2/NDF : 540209.1/18

Right Out: 1746.802+/-0.476 χ^2/NDF : 406724.0/17

Left In: 1821.032+/-0.354 χ^2/NDF : 74482.8/16

Left: 1826.896+/-0.247 χ^2/NDF : 615229.3/35

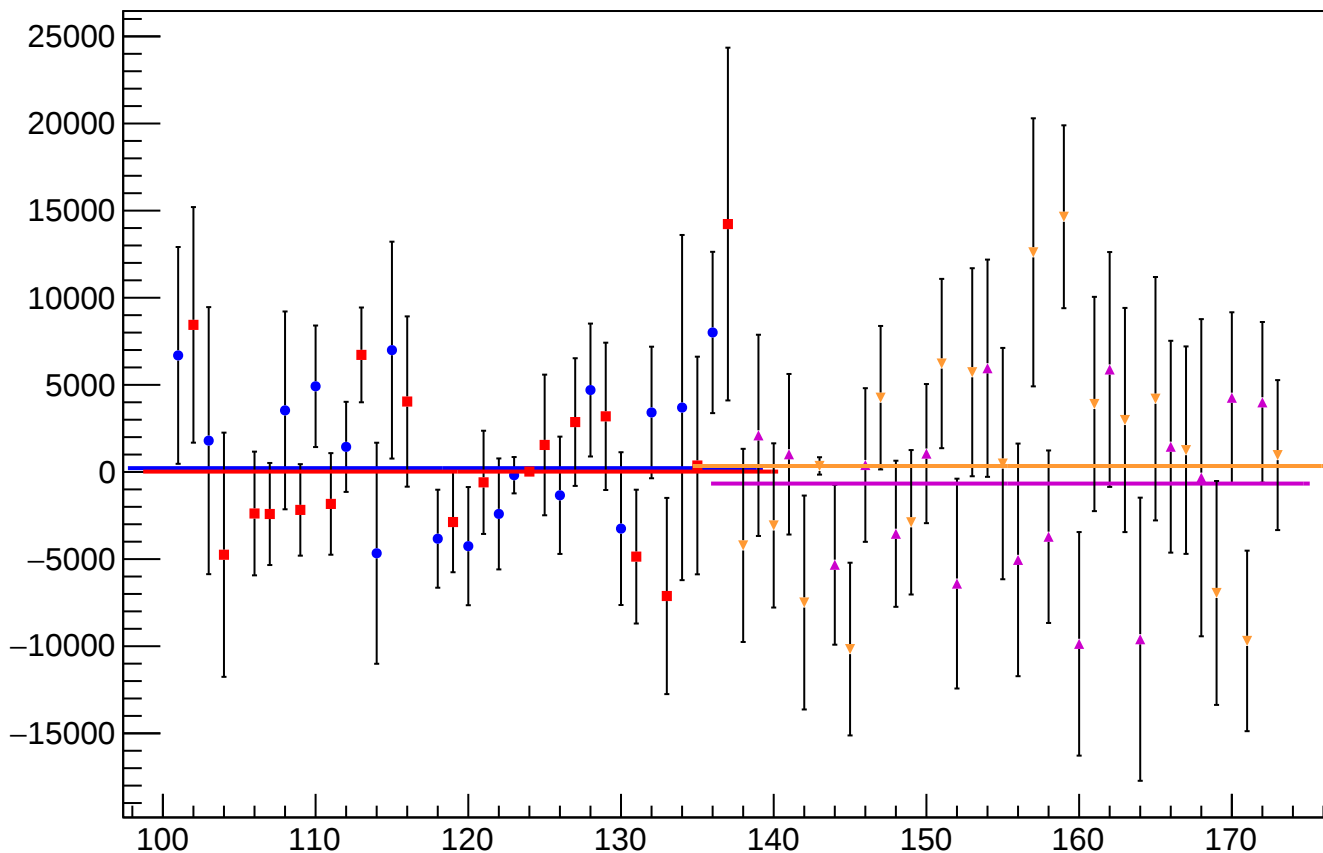
Right: 1714.259+/-0.333 χ^2/NDF : 611728.2/34

In: 1770.556+/-0.282 χ^2/NDF : 325969.6/33

Out: 1802.889+/-0.280 χ^2/NDF : 968148.9/36

All: 1786.830+/-0.198 χ^2/NDF : 1300751.0/70

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 219.808 $\pm$ 720.915 χ^2/NDF : 15.8/16

Left Out: 343.083 $\pm$ 464.509 χ^2/NDF : 27.0/18

Right Out: 21.945 $\pm$ 114.135 χ^2/NDF : 18.6/17

Left In: -665.610 $\pm$ 1289.568 χ^2/NDF : 11.3/16

Left: 227.238 $\pm$ 437.022 χ^2/NDF : 38.8/35

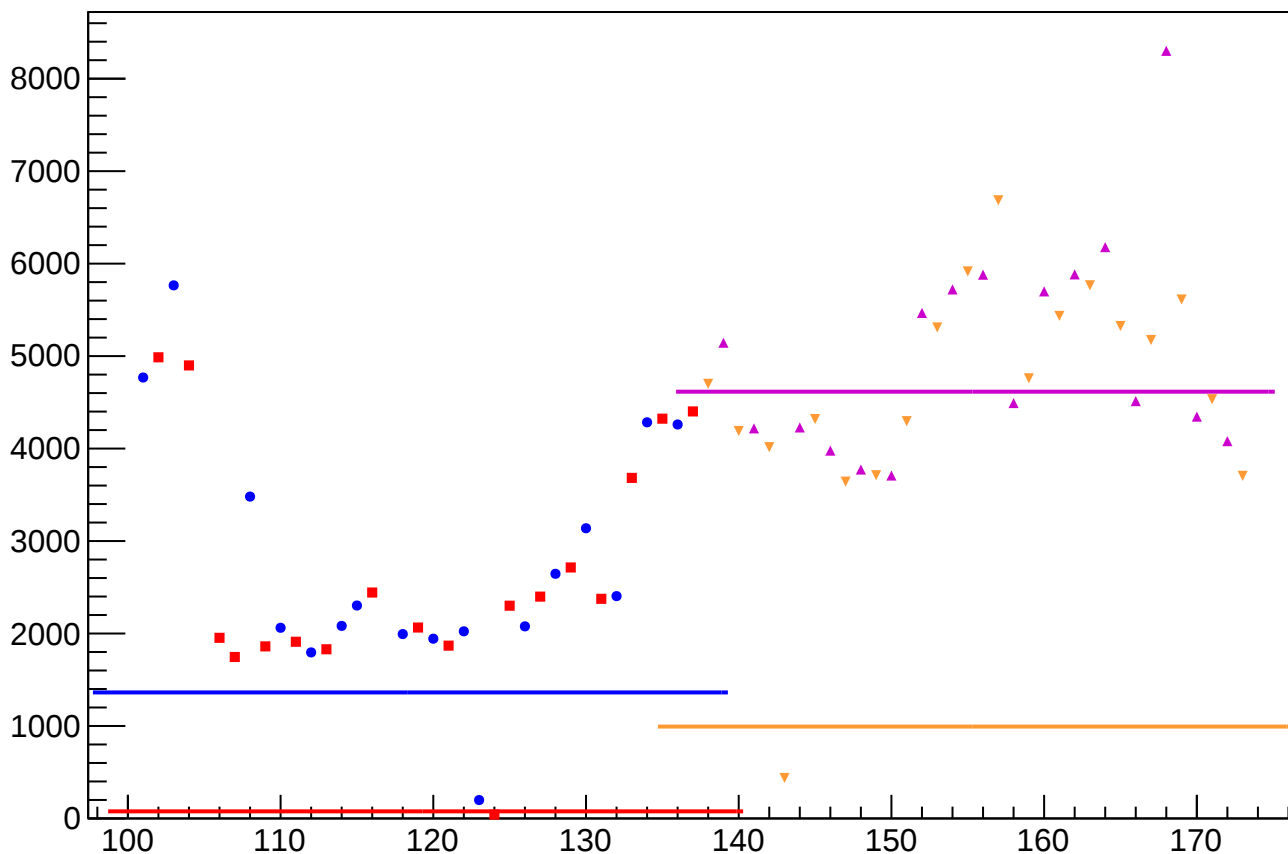
Right: 26.783 $\pm$ 112.731 χ^2/NDF : 34.5/34

In: 8.983 $\pm$ 629.261 χ^2/NDF : 27.5/33

Out: 40.229 $\pm$ 110.839 χ^2/NDF : 46.0/36

All: 39.289 $\pm$ 109.158 χ^2/NDF : 73.5/70

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1362.842 $\pm$ 0.510 χ^2 /NDF: 6235846.3/16

Left Out: 993.764 $\pm$ 0.328 χ^2 /NDF: 19218953.5/18

Right Out: 76.832 $\pm$ 0.081 χ^2 /NDF: 13114372.5/17

Left In: 4615.113 $\pm$ 0.912 χ^2 /NDF: 1010963.1/16

Left: 1409.663 $\pm$ 0.309 χ^2 /NDF: 34190415.6/35

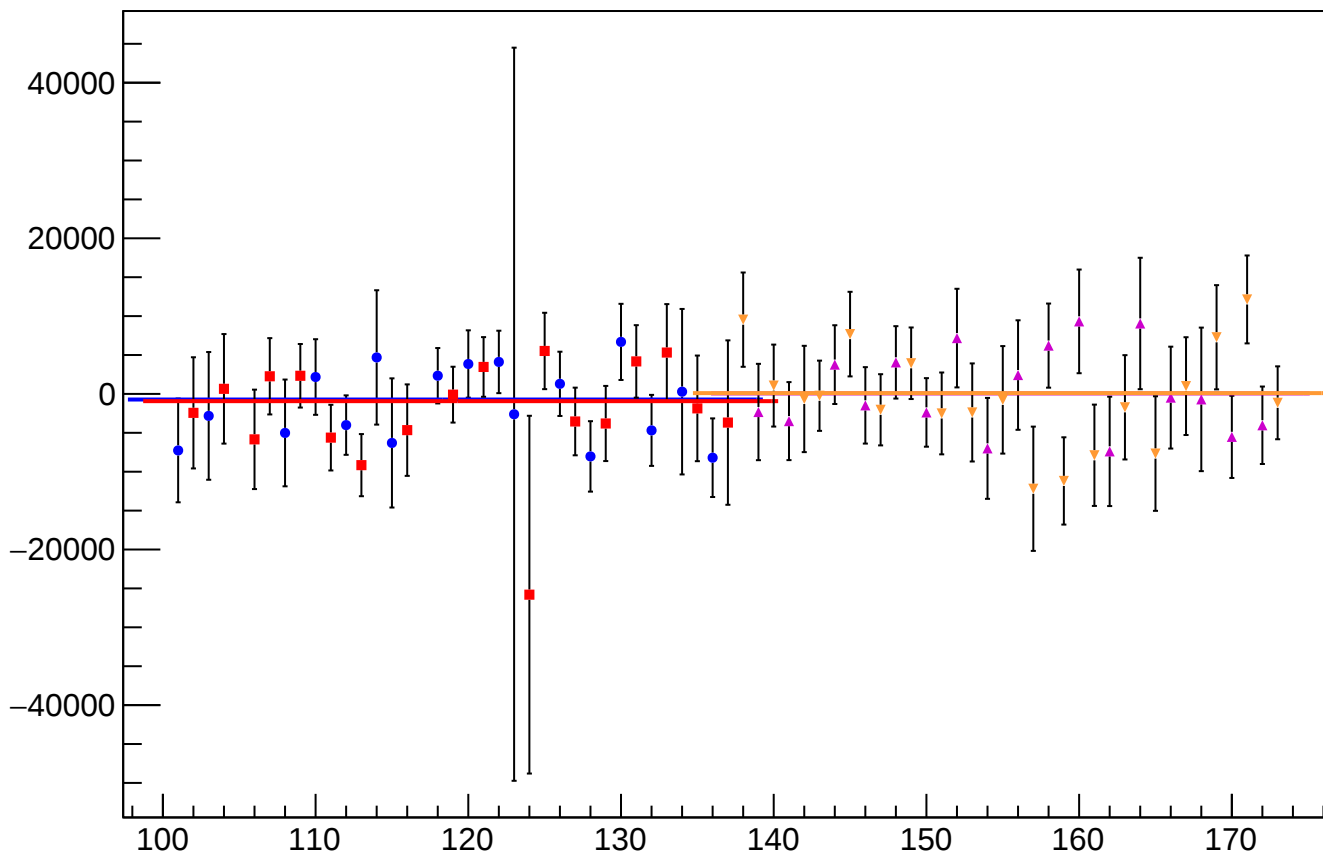
Right: 108.278 $\pm$ 0.080 χ^2 /NDF: 25558892.3/34

In: 2137.233 $\pm$ 0.445 χ^2 /NDF: 16938703.0/33

Out: 129.039 $\pm$ 0.078 χ^2 /NDF: 39682802.9/36

All: 189.469 $\pm$ 0.077 χ^2 /NDF: 76377997.8/70

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -721.483+/-1252.519 χ^2/NDF : 14.8/16

Left Out: 101.570+/-1311.749 χ^2/NDF : 20.7/18

Right Out: -931.712+/-1194.458 χ^2/NDF : 14.9/17

Left In: 62.062+/-1393.244 χ^2/NDF : 12.2/16

Left: 83.005+/-955.058 χ^2/NDF : 32.8/35

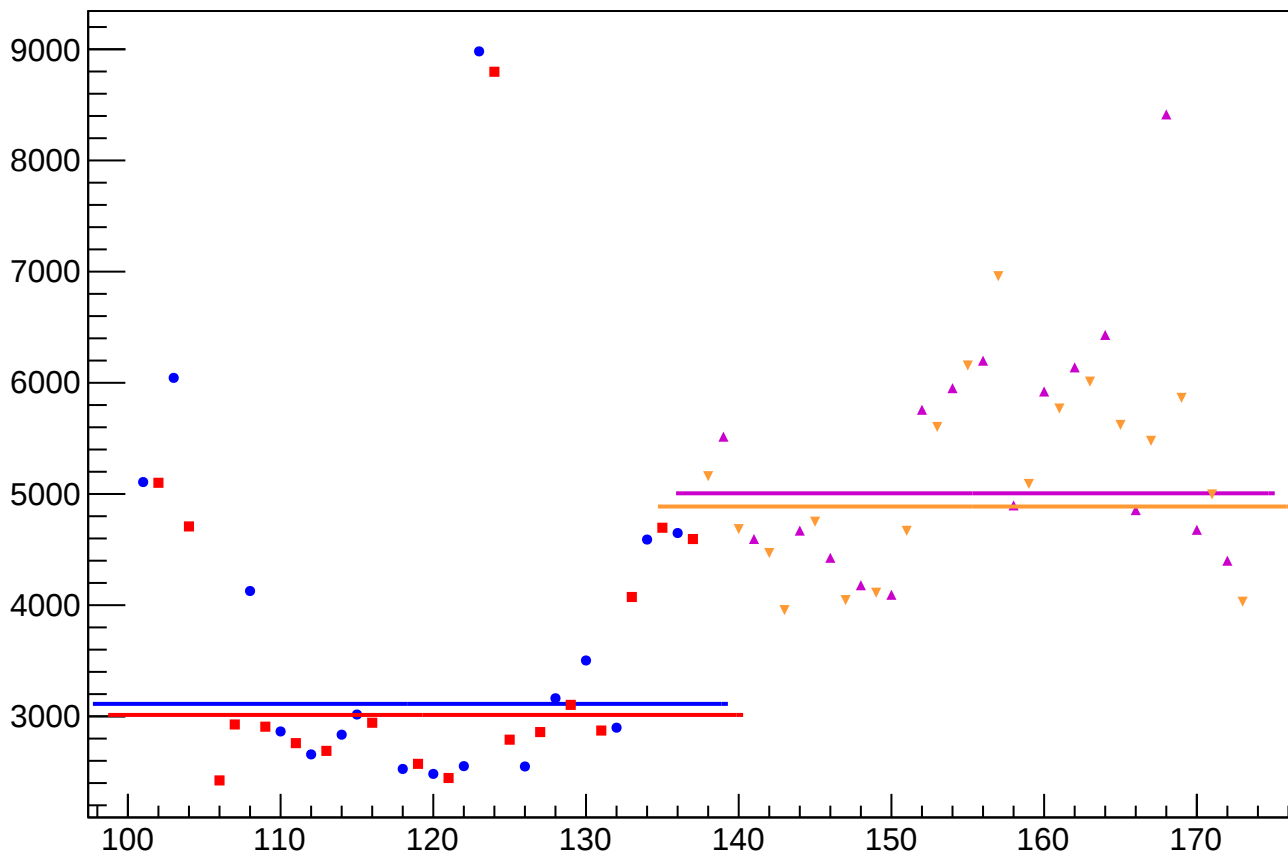
Right: -831.583+/-864.407 χ^2/NDF : 29.7/34

In: -371.269+/-931.455 χ^2/NDF : 27.1/33

Out: -463.323+/-883.171 χ^2/NDF : 35.9/36

All: -419.744+/-640.886 χ^2/NDF : 63.0/70

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3112.232 $\pm$ 0.886 χ^2 /NDF: 958497.7/16

Left Out: 4887.218 $\pm$ 0.928 χ^2 /NDF: 699810.9/18

Right Out: 3012.763 $\pm$ 0.834 χ^2 /NDF: 774261.7/17

Left In: 5006.149 $\pm$ 0.985 χ^2 /NDF: 799495.1/16

Left: 4943.104 $\pm$ 0.675 χ^2 /NDF: 1507031.4/35

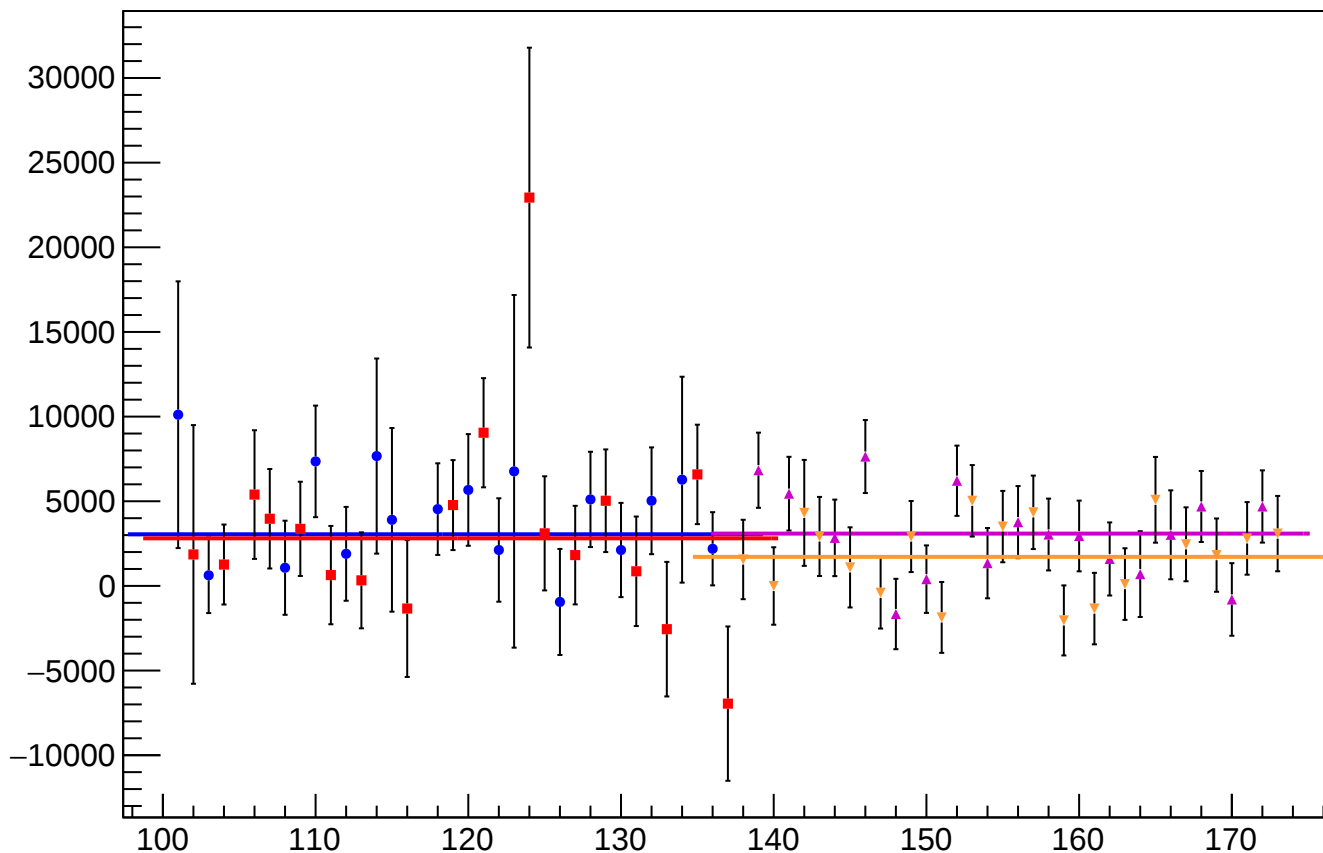
Right: 3059.514 $\pm$ 0.607 χ^2 /NDF: 1739444.6/34

In: 3958.735 $\pm$ 0.659 χ^2 /NDF: 3801872.2/33

Out: 3850.764 $\pm$ 0.620 χ^2 /NDF: 3732226.8/36

All: 3901.506 $\pm$ 0.452 χ^2 /NDF: 7548343.2/70

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3049.083 $\pm$ 772.320 χ^2/NDF : 9.3/16

Left Out: 1715.159 $\pm$ 509.104 χ^2/NDF : 19.0/18

Right Out: 2809.116 $\pm$ 766.213 χ^2/NDF : 22.0/17

Left In: 3089.738 $\pm$ 525.312 χ^2/NDF : 24.4/16

Left: 2380.915 $\pm$ 365.587 χ^2/NDF : 46.9/35

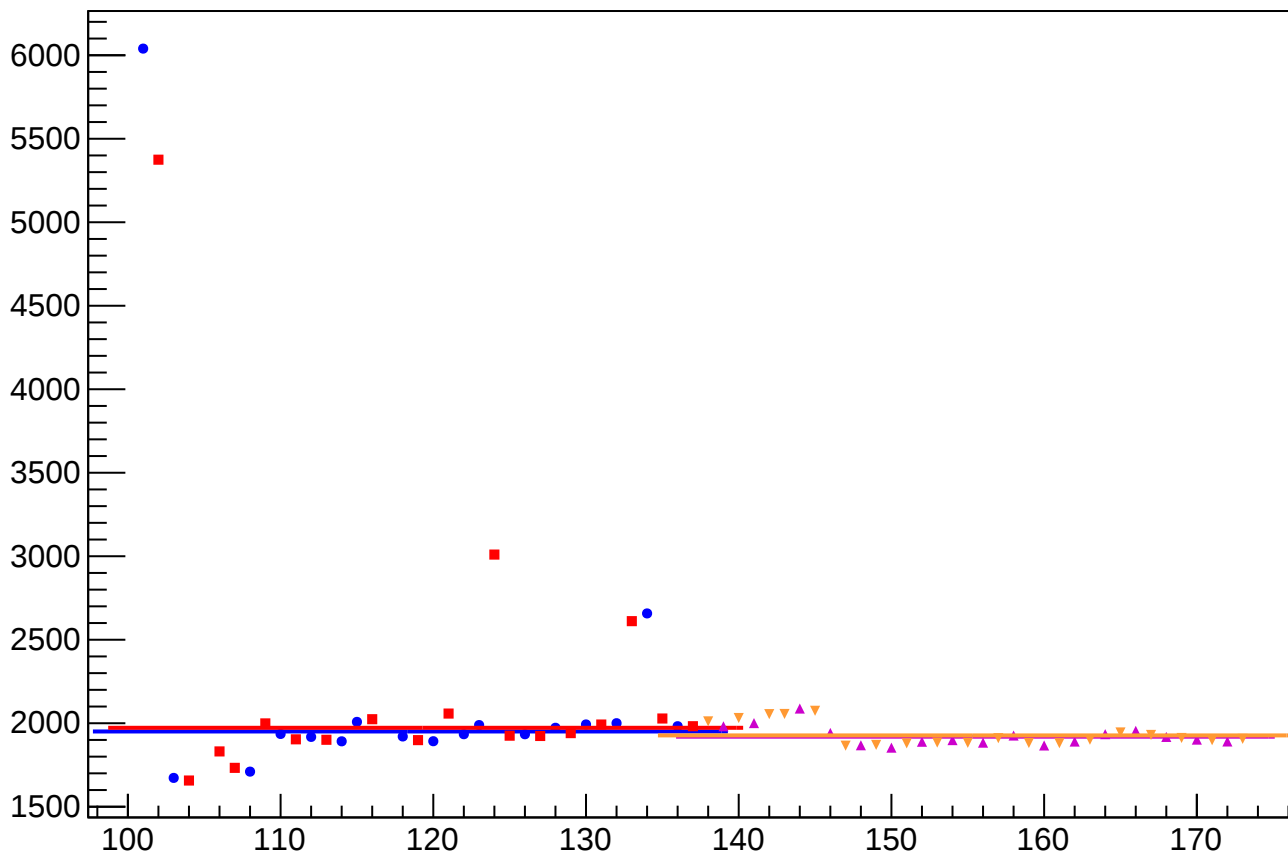
Right: 2928.147 $\pm$ 543.941 χ^2/NDF : 31.4/34

In: 3076.879 $\pm$ 434.359 χ^2/NDF : 33.7/33

Out: 2050.205 $\pm$ 424.035 χ^2/NDF : 42.4/36

All: 2551.195 $\pm$ 303.422 χ^2/NDF : 79.0/70

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.692 $\pm$ 0.546 χ^2 /NDF: 615165.3/16

Left Out: 1927.126 $\pm$ 0.360 χ^2 /NDF: 32845.5/18

Right Out: 1972.726 $\pm$ 0.541 χ^2 /NDF: 535670.1/17

Left In: 1919.448 $\pm$ 0.371 χ^2 /NDF: 22849.1/16

Left: 1923.407 $\pm$ 0.259 χ^2 /NDF: 55914.9/35

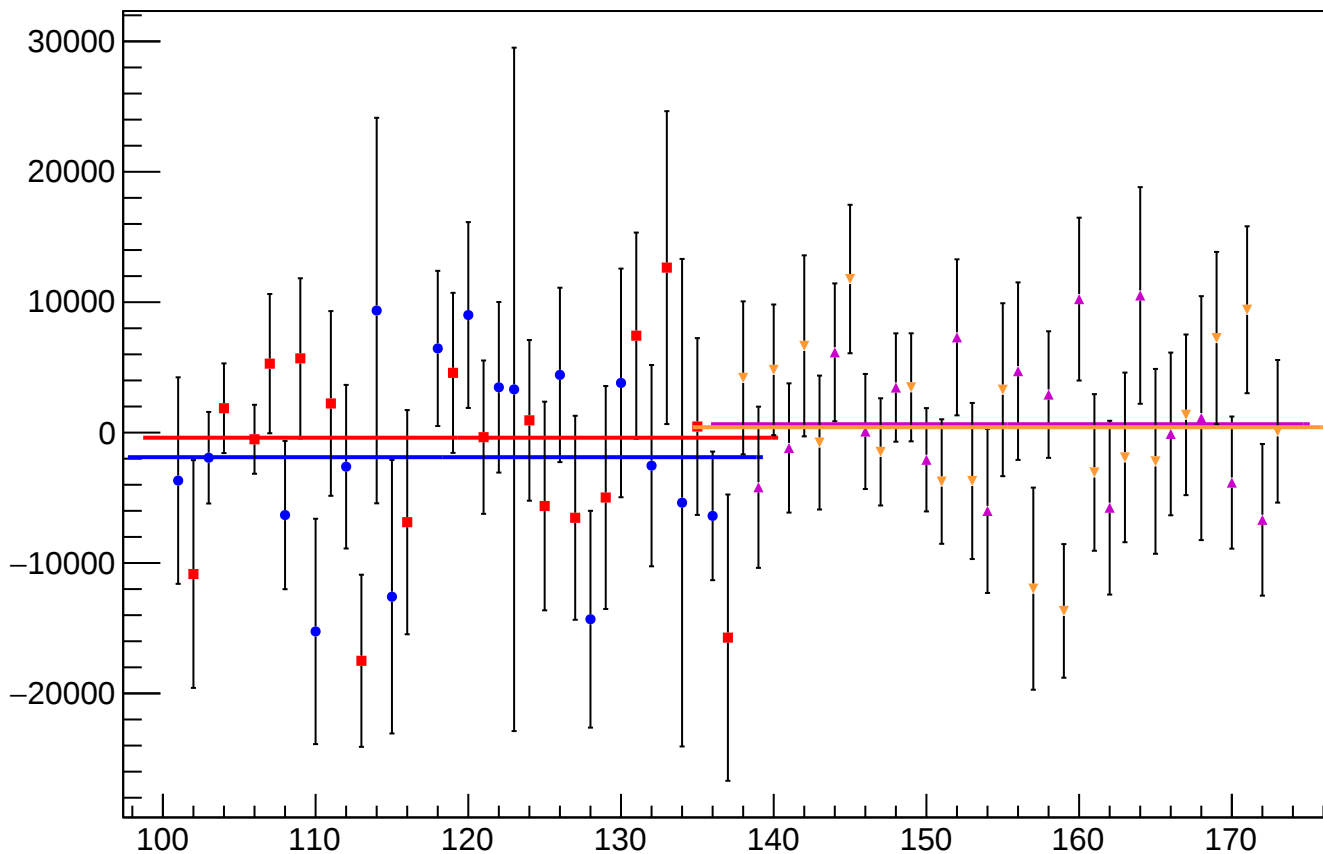
Right: 1961.803 $\pm$ 0.385 χ^2 /NDF: 1151656.3/34

In: 1929.330 $\pm$ 0.307 χ^2 /NDF: 640252.2/33

Out: 1941.104 $\pm$ 0.300 χ^2 /NDF: 573433.8/36

All: 1935.360 $\pm$ 0.215 χ^2 /NDF: 1214438.5/70

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -1885.285 $\pm$ 1657.979 χ^2 /NDF: 14.1/16

Left Out: 412.794 $\pm$ 1287.164 χ^2 /NDF:22.0/18

Right Out: -391.453 $\pm$ 1361.685 χ^2 /NDF: 17.6/17

Left In: 641.459 $\pm$ 1334.754 χ^2 /NDF:12.8/16

Left: 522.977 $\pm$ 926.530 χ^2 /NDF: 34.8/35

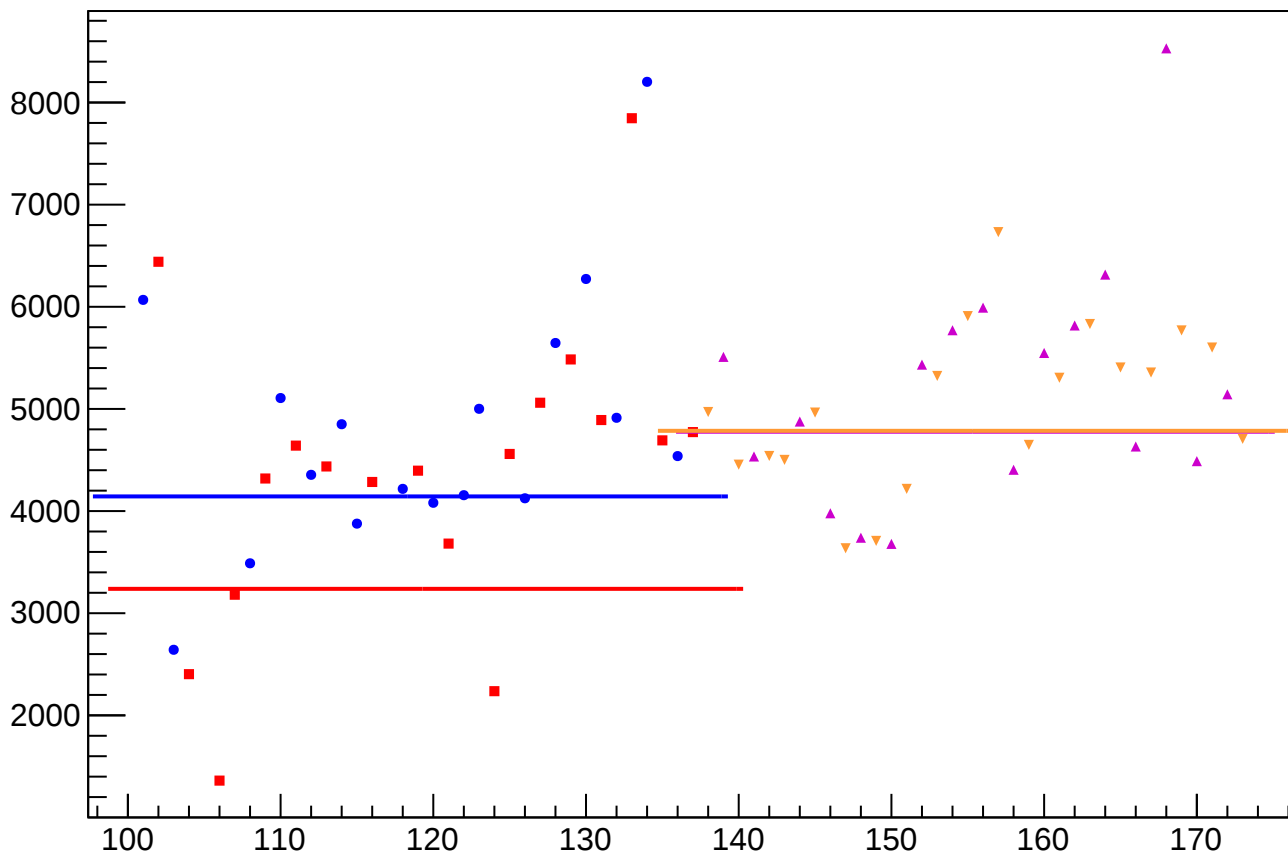
Right: -993.190 $\pm$ 1052.280 χ^2 /NDF: 32.2/34

In: -352.163 $\pm$ 1039.702 χ^2 /NDF:28.3/33

Out: 33.279 $\pm$ 935.398 χ^2 /NDF:39.8/36

All: -139.144 $\pm$ 695.387 χ^2 /NDF: 68.2/70

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4143.478+/-1.172 χ^2/NDF : 855972.6/16

Left Out: 4785.696+/-0.910 χ^2/NDF : 718860.4/18

Right Out: 3238.590+/-0.963 χ^2/NDF : 2581960.1/17

Left In: 4776.786+/-0.944 χ^2/NDF : 1012447.3/16

Left: 4781.403+/-0.655 χ^2/NDF : 1731353.8/35

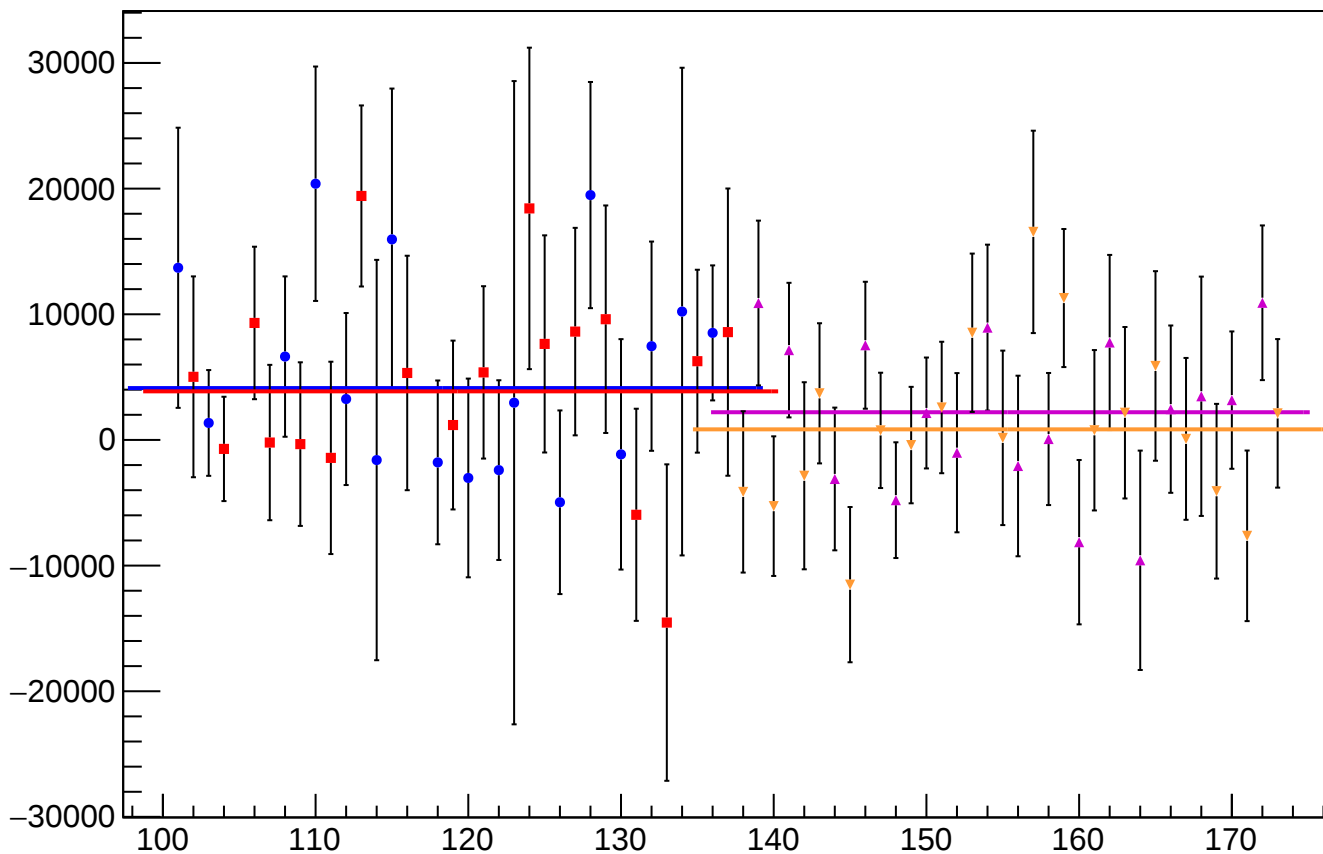
Right: 3603.092+/-0.744 χ^2/NDF : 3793704.0/34

In: 4527.743+/-0.735 χ^2/NDF : 2045478.7/33

Out: 4055.634+/-0.661 χ^2/NDF : 4664279.1/36

All: 4266.826+/-0.492 χ^2/NDF : 6937664.0/70

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4126.632 $\pm$ 1863.062 χ^2/NDF : 13.7/16

Left Out: 842.175 $\pm$ 1390.856 χ^2/NDF : 18.0/18

Right Out: 3866.479 $\pm$ 1727.484 χ^2/NDF : 14.3/17

Left In: 2204.317 $\pm$ 1442.111 χ^2/NDF : 15.7/16

Left: 1498.609 $\pm$ 1001.113 χ^2/NDF : 34.2/35

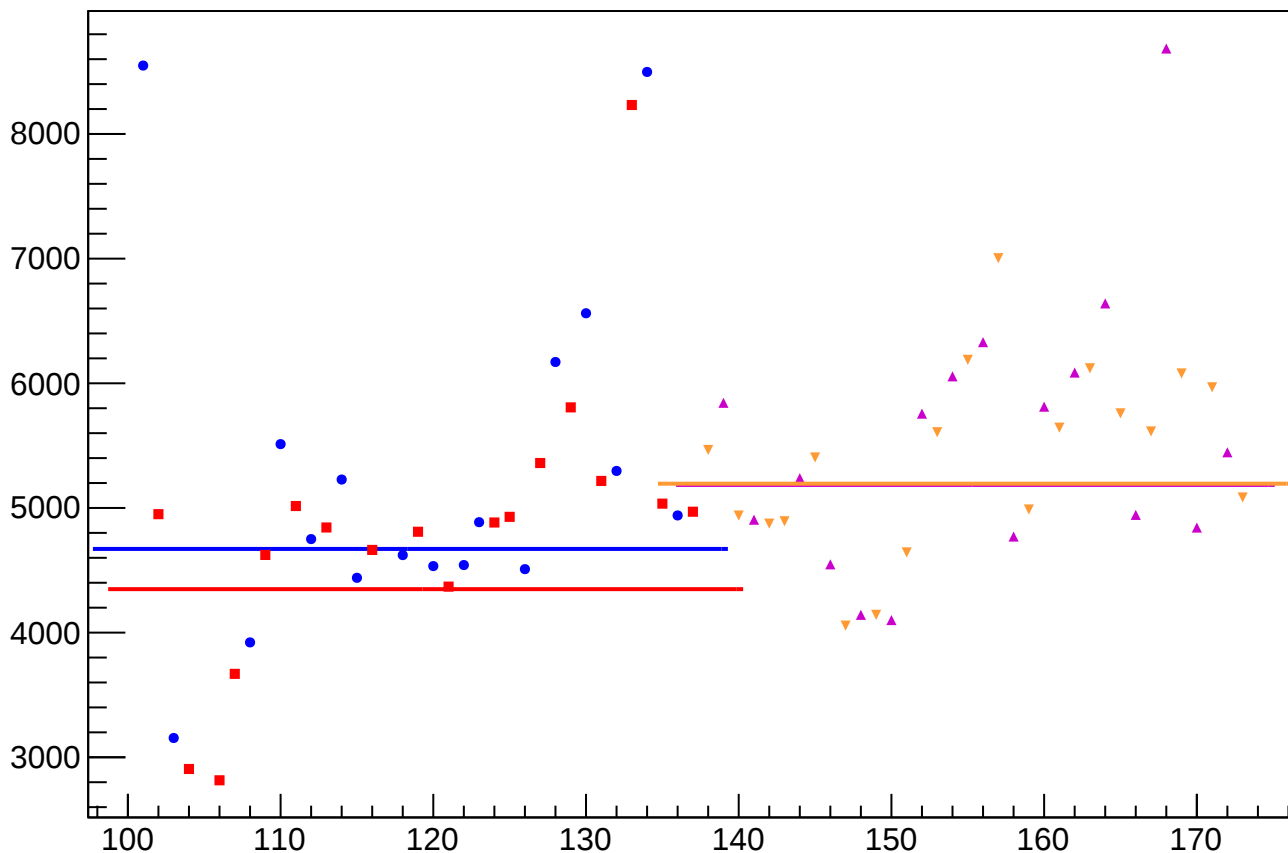
Right: 3986.746 $\pm$ 1266.737 χ^2/NDF : 27.9/34

In: 2924.554 $\pm$ 1140.388 χ^2/NDF : 30.1/33

Out: 2031.611 $\pm$ 1083.358 χ^2/NDF : 34.1/36

All: 2455.197 $\pm$ 785.438 χ^2/NDF : 64.5/70

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4671.319+/-1.317 χ^2/NDF : 786112.0/16

Left Out: 5194.710+/-0.983 χ^2/NDF : 546852.1/18

Right Out: 4348.716+/-1.214 χ^2/NDF : 792425.3/17

Left In: 5184.604+/-1.020 χ^2/NDF : 786919.0/16

Left: 5189.840+/-0.708 χ^2/NDF : 1333821.9/35

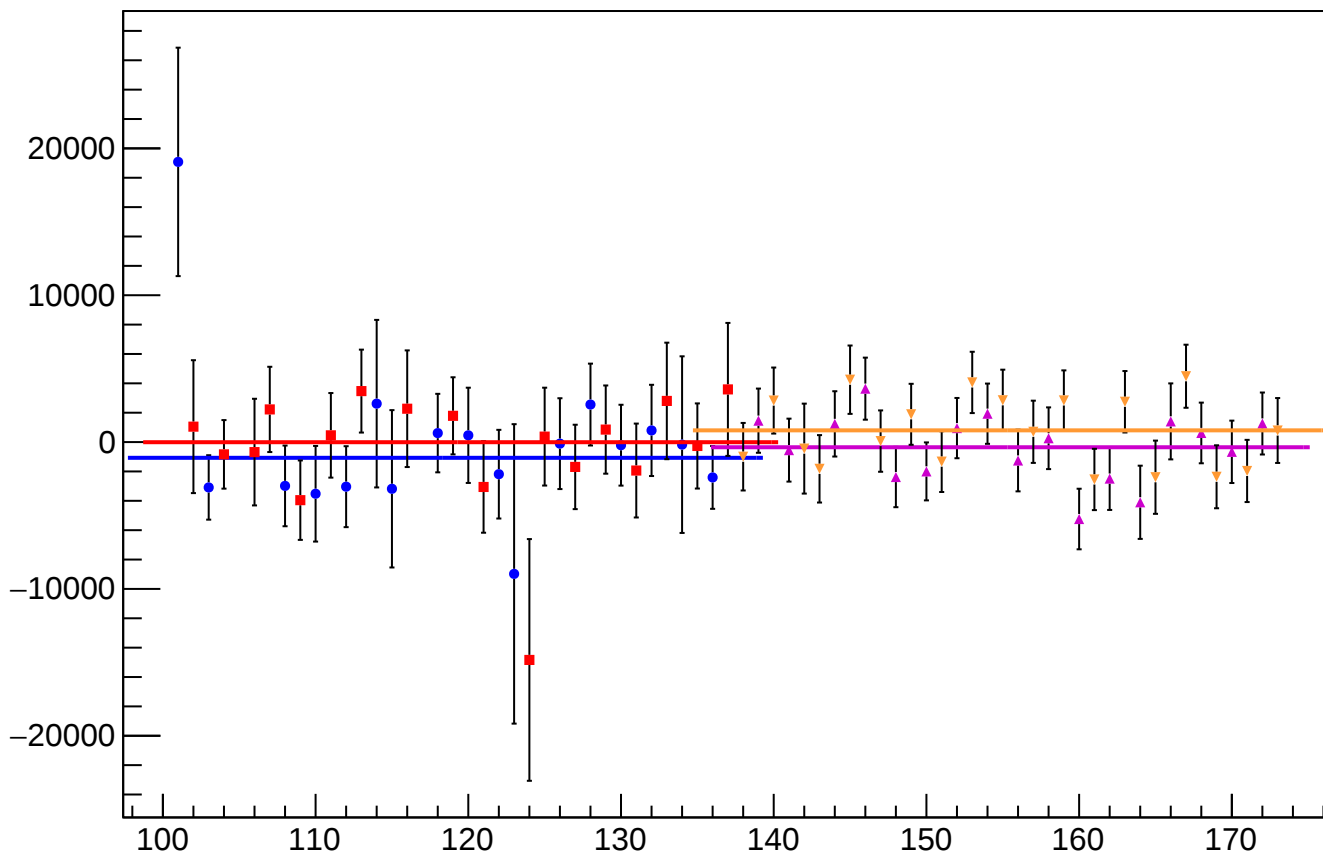
Right: 4496.923+/-0.893 χ^2/NDF : 1610954.9/34

In: 4992.290+/-0.806 χ^2/NDF : 1667960.1/33

Out: 4859.640+/-0.764 χ^2/NDF : 1632345.4/36

All: 4922.414+/-0.555 χ^2/NDF : 3314560.4/70

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1071.254 ± 762.970 χ^2/NDF : 13.7/16

Left Out: 798.323 ± 502.211 χ^2/NDF : 22.8/18

Right Out: -8.910 ± 748.092 χ^2/NDF : 11.4/17

Left In: -352.270 ± 518.459 χ^2/NDF : 18.5/16

Left: 241.337 ± 360.724 χ^2/NDF : 43.9/35

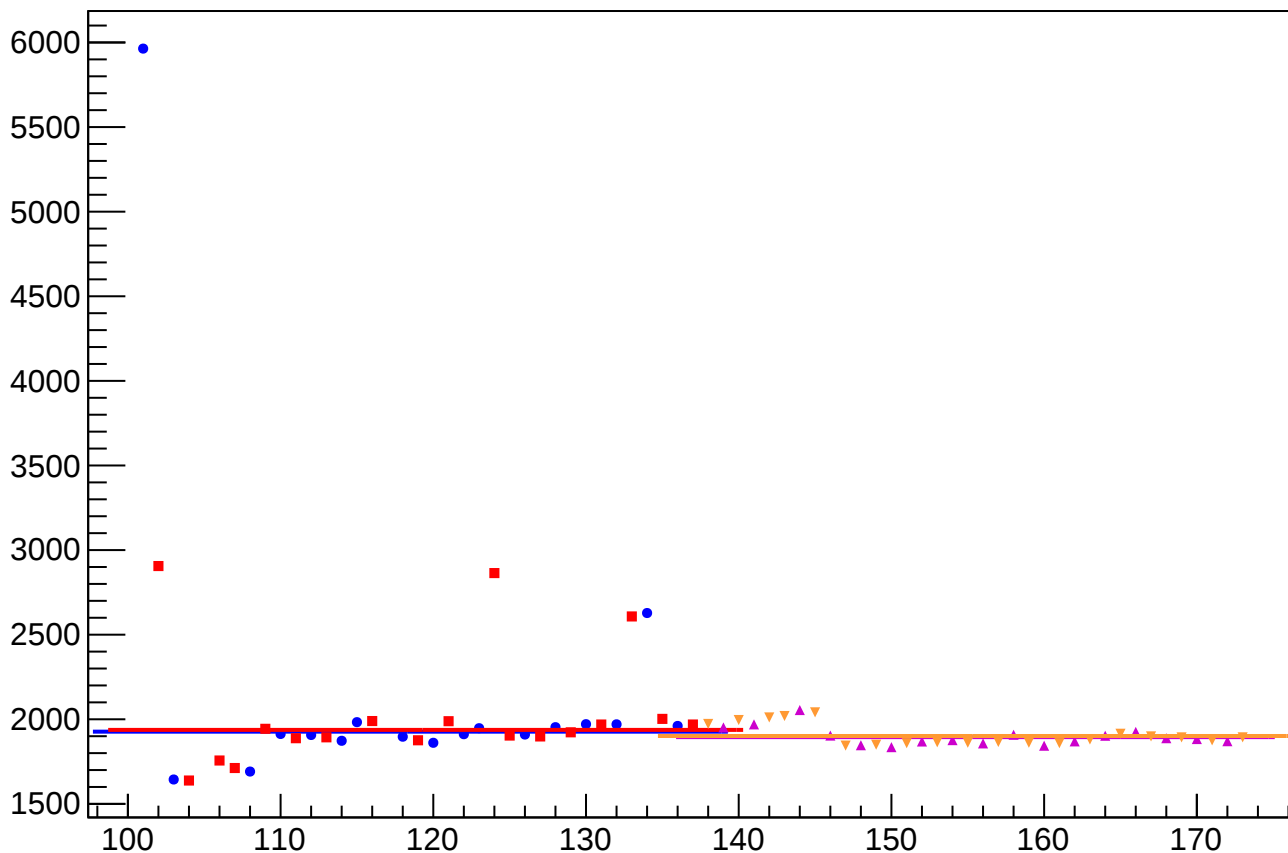
Right: -529.623 ± 534.164 χ^2/NDF : 26.1/34

In: -579.391 ± 428.822 χ^2/NDF : 32.8/33

Out: 547.543 ± 416.967 χ^2/NDF : 35.1/36

All: -0.132 ± 298.943 χ^2/NDF : 71.5/70

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.890+/-0.540 χ^2/NDF : 617116.3/16

Left Out: 1901.255+/-0.355 χ^2/NDF : 28181.2/18

Right Out: 1937.280+/-0.529 χ^2/NDF : 229079.5/17

Left In: 1894.556+/-0.367 χ^2/NDF : 20437.2/16

Left: 1898.012+/-0.255 χ^2/NDF : 48790.7/35

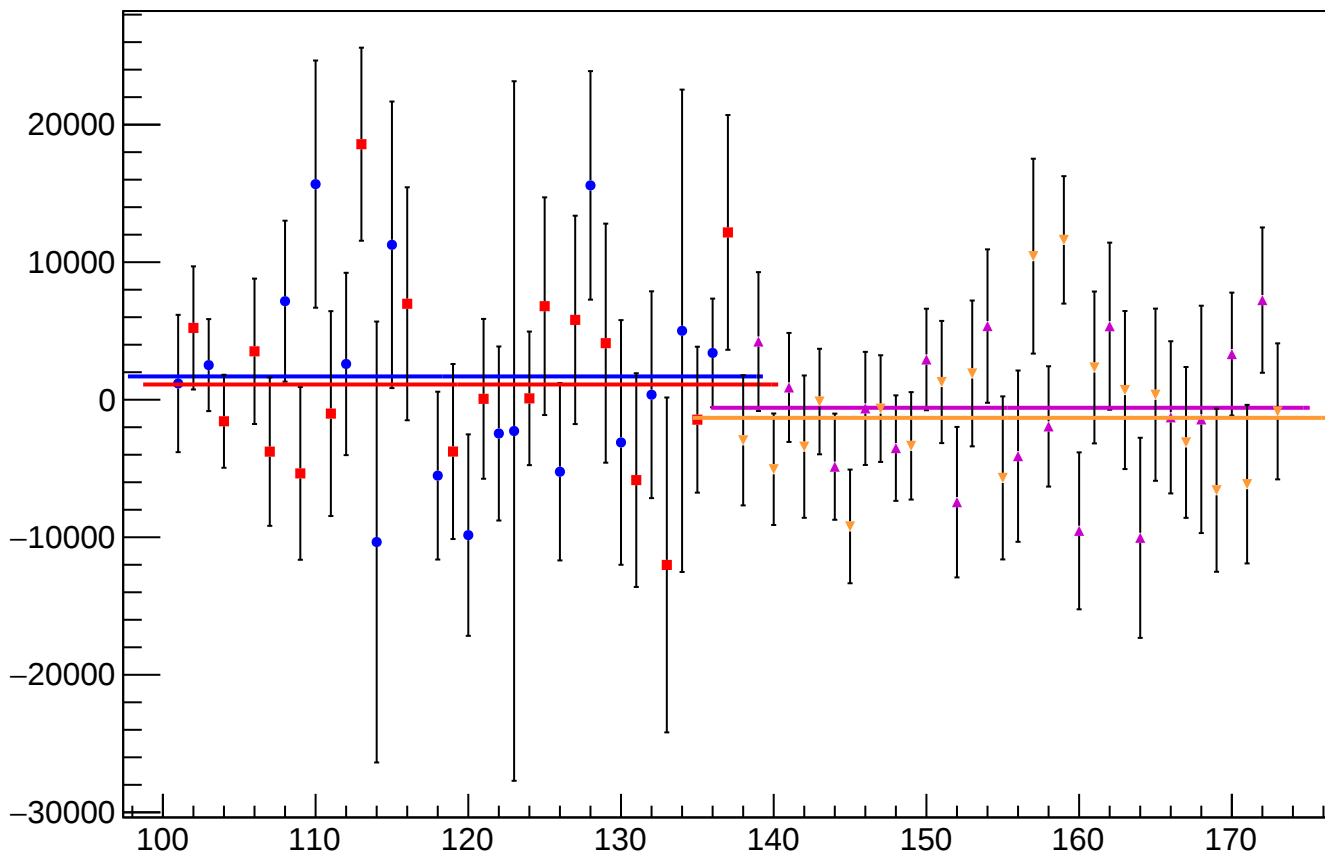
Right: 1932.191+/-0.378 χ^2/NDF : 846384.9/34

In: 1904.770+/-0.303 χ^2/NDF : 640010.9/33

Out: 1912.458+/-0.295 χ^2/NDF : 260461.1/36

All: 1908.723+/-0.211 χ^2/NDF : 900802.5/70

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1693.966+/-1551.941 χ^2/NDF : 13.6/16

Left Out: -1317.482+/-1115.305 χ^2/NDF : 19.2/18

Right Out: 1107.921+/-1412.697 χ^2/NDF : 15.9/17

Left In: -585.858+/-1175.198 χ^2/NDF : 15.0/16

Left: -970.788+/-808.985 χ^2/NDF : 34.4/35

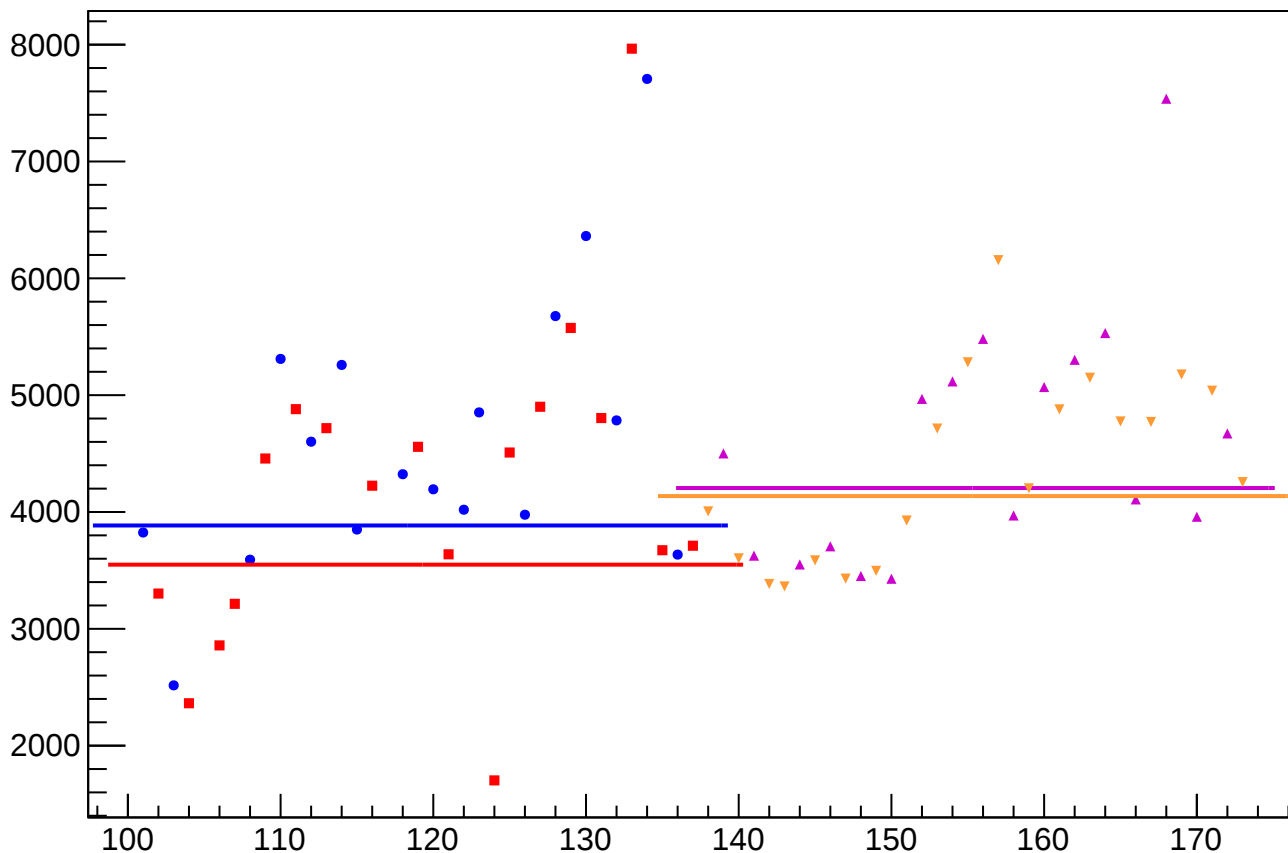
Right: 1373.479+/-1044.694 χ^2/NDF : 29.6/34

In: 245.003+/-936.891 χ^2/NDF : 30.0/33

Out: -386.207+/-875.378 χ^2/NDF : 36.9/36

All: -92.002+/-639.627 χ^2/NDF : 67.1/70

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3884.603+/-1.097 χ^2/NDF : 826563.8/16

Left Out: 4136.182+/-0.789 χ^2/NDF : 838453.4/18

Right Out: 3549.133+/-0.999 χ^2/NDF : 1326947.7/17

Left In: 4205.225+/-0.831 χ^2/NDF : 1009245.2/16

Left: 4168.900+/-0.572 χ^2/NDF : 1851330.6/35

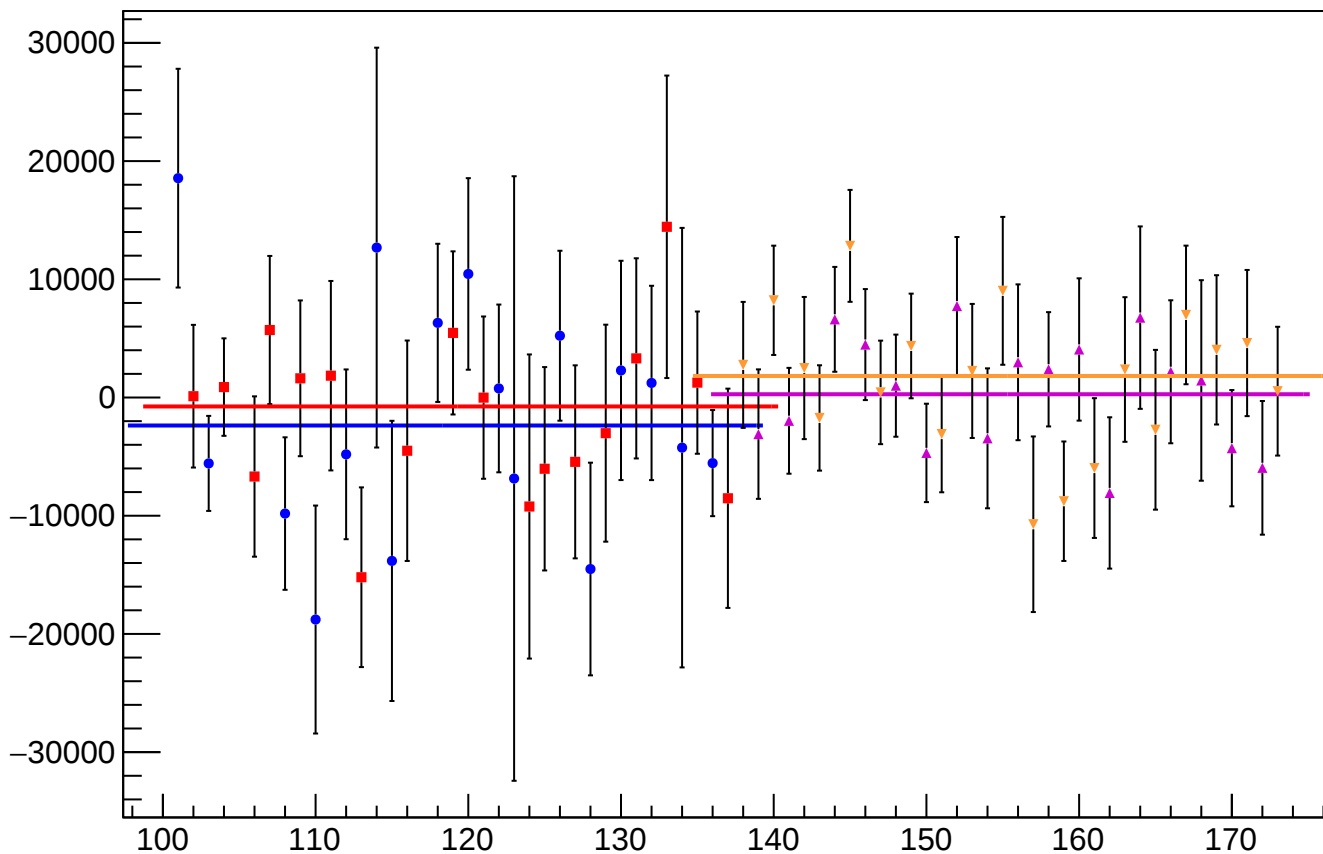
Right: 3701.146+/-0.739 χ^2/NDF : 2204616.7/34

In: 4088.377+/-0.662 χ^2/NDF : 1890061.9/33

Out: 3910.775+/-0.619 χ^2/NDF : 2378158.7/36

All: 3993.555+/-0.452 χ^2/NDF : 4306592.4/70

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2367.526+/-1801.942 χ^2/NDF : 20.1/16

Left Out: 1822.621+/-1236.329 χ^2/NDF : 21.4/18

Right Out: -755.757+/-1693.103 χ^2/NDF : 10.5/17

Left In: 277.084+/-1294.194 χ^2/NDF : 12.3/16

Left: 1085.175+/-893.974 χ^2/NDF : 34.4/35

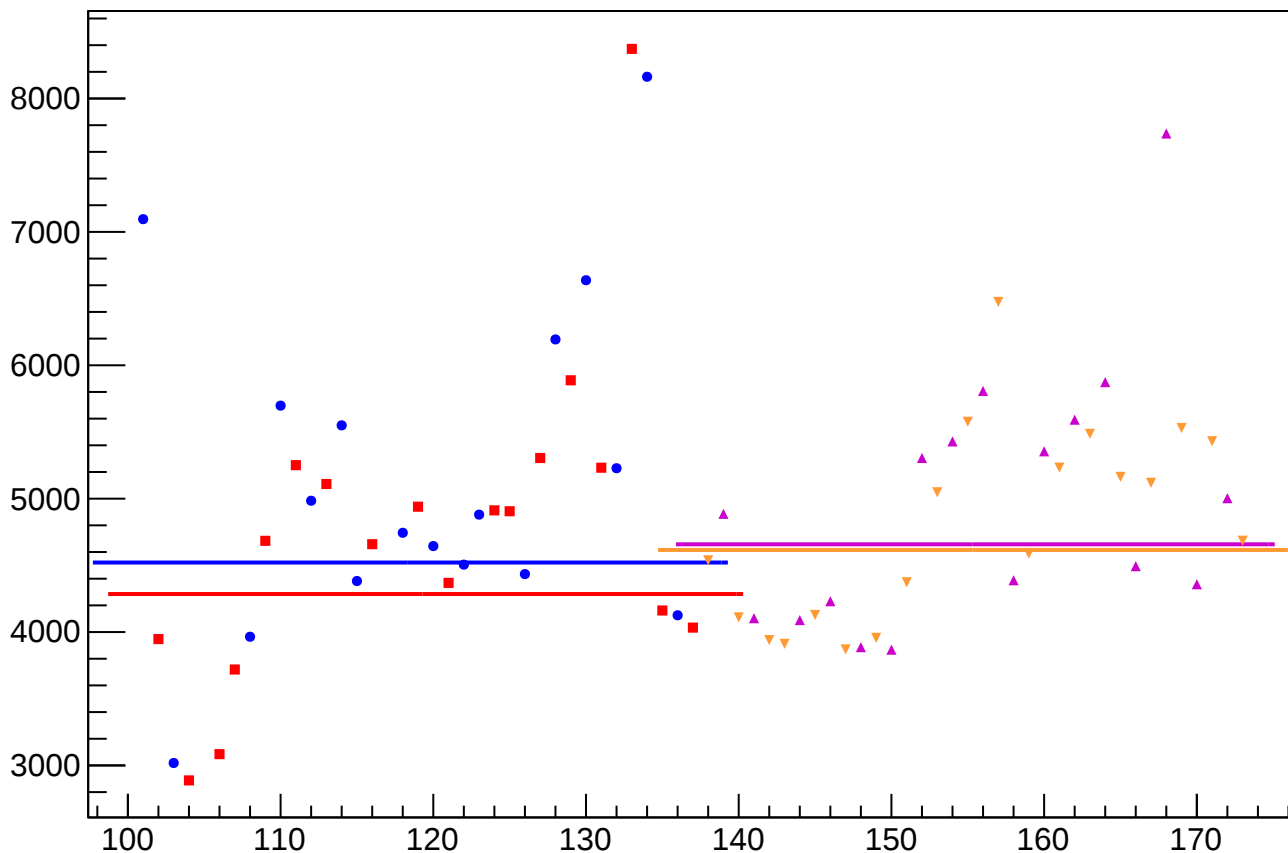
Right: -1511.498+/-1233.889 χ^2/NDF : 31.1/34

In: -622.879+/-1051.169 χ^2/NDF : 33.9/33

Out: 925.924+/-998.465 χ^2/NDF : 33.4/36

All: 191.322+/-723.936 χ^2/NDF : 68.4/70

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4521.230+/-1.274 χ^2/NDF : 778675.0/16

Left Out: 4615.556+/-0.874 χ^2/NDF : 579376.1/18

Right Out: 4285.069+/-1.191 χ^2/NDF : 746400.9/17

Left In: 4657.838+/-0.915 χ^2/NDF : 743875.0/16

Left: 4635.731+/-0.632 χ^2/NDF : 1324367.2/35

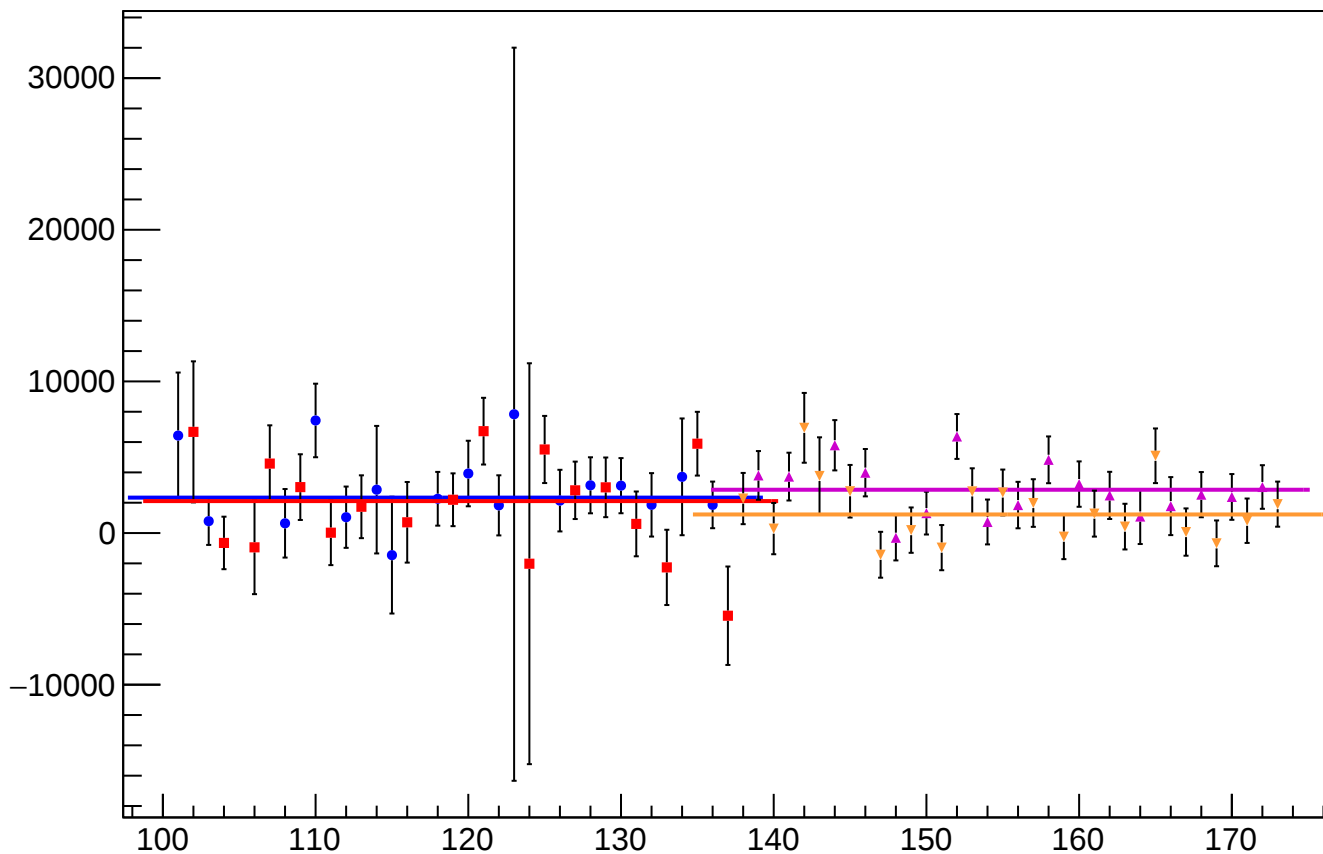
Right: 4395.146+/-0.870 χ^2/NDF : 1543416.6/34

In: 4611.350+/-0.743 χ^2/NDF : 1530133.1/33

Out: 4499.782+/-0.705 χ^2/NDF : 1375840.8/36

All: 4552.591+/-0.511 χ^2/NDF : 2917839.8/70

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2336.975 $\pm$ 531.132 χ^2 /NDF: 9.6/16

Left Out: 1226.023 $\pm$ 367.764 χ^2 /NDF:24.8/18

Right Out: 2107.117 $\pm$ 539.611 χ^2 /NDF: 26.4/17

Left In: 2856.063 $\pm$ 375.672 χ^2 /NDF:21.3/16

Left: 2023.708 $\pm$ 262.800 χ^2 /NDF: 55.7/35

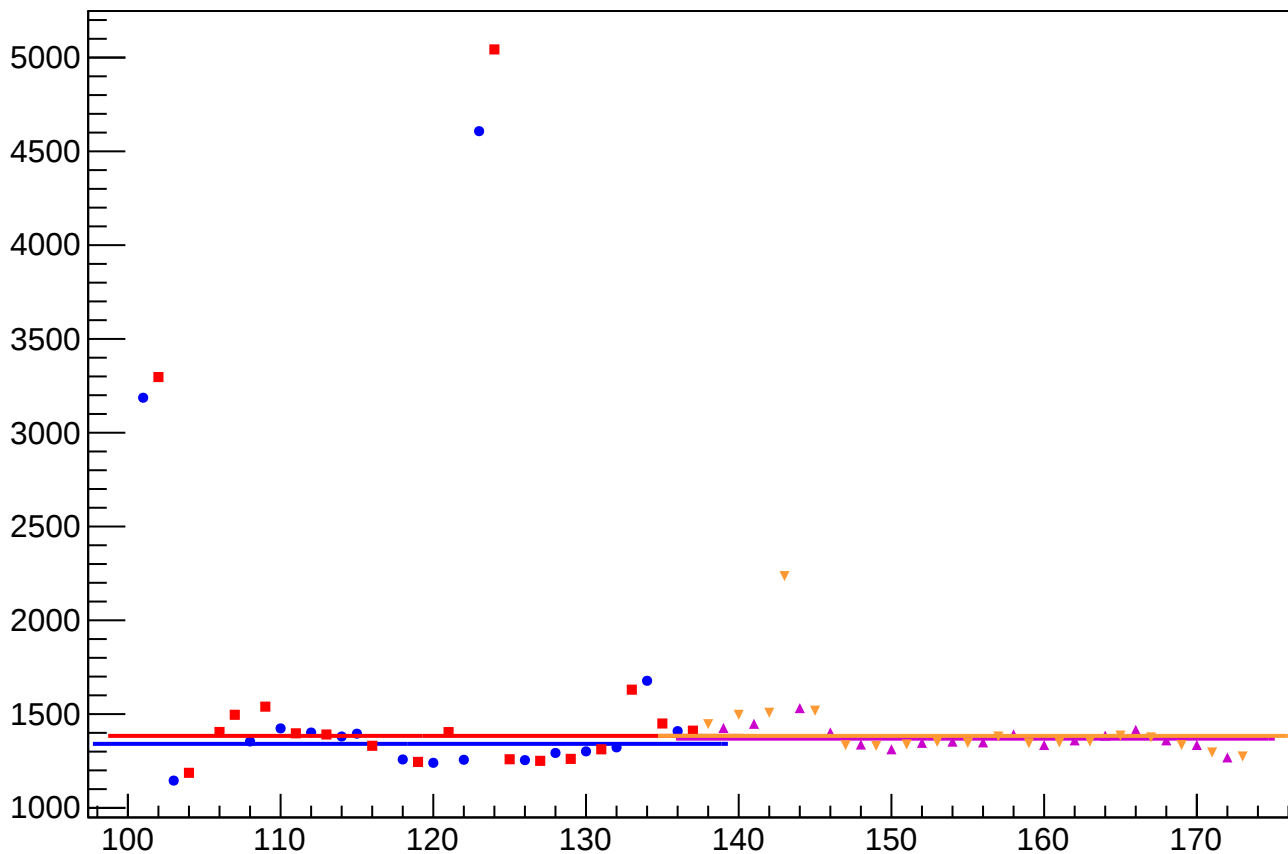
Right: 2223.866 $\pm$ 378.529 χ^2 /NDF: 36.1/34

In: 2682.969 $\pm$ 306.706 χ^2 /NDF:31.6/33

Out: 1505.479 $\pm$ 303.897 χ^2 /NDF:53.0/36

All: 2088.807 $\pm$ 215.874 χ^2 /NDF: 92.0/70

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1341.374 $\pm$ 0.376 χ^2 /NDF: 504272.1/16

Left Out: 1383.956 $\pm$ 0.260 χ^2 /NDF: 285019.1/18

Right Out: 1383.916 $\pm$ 0.381 χ^2 /NDF: 593846.2/17

Left In: 1369.100 $\pm$ 0.266 χ^2 /NDF: 46517.6/16

Left: 1376.686 $\pm$ 0.186 χ^2 /NDF: 333133.7/35

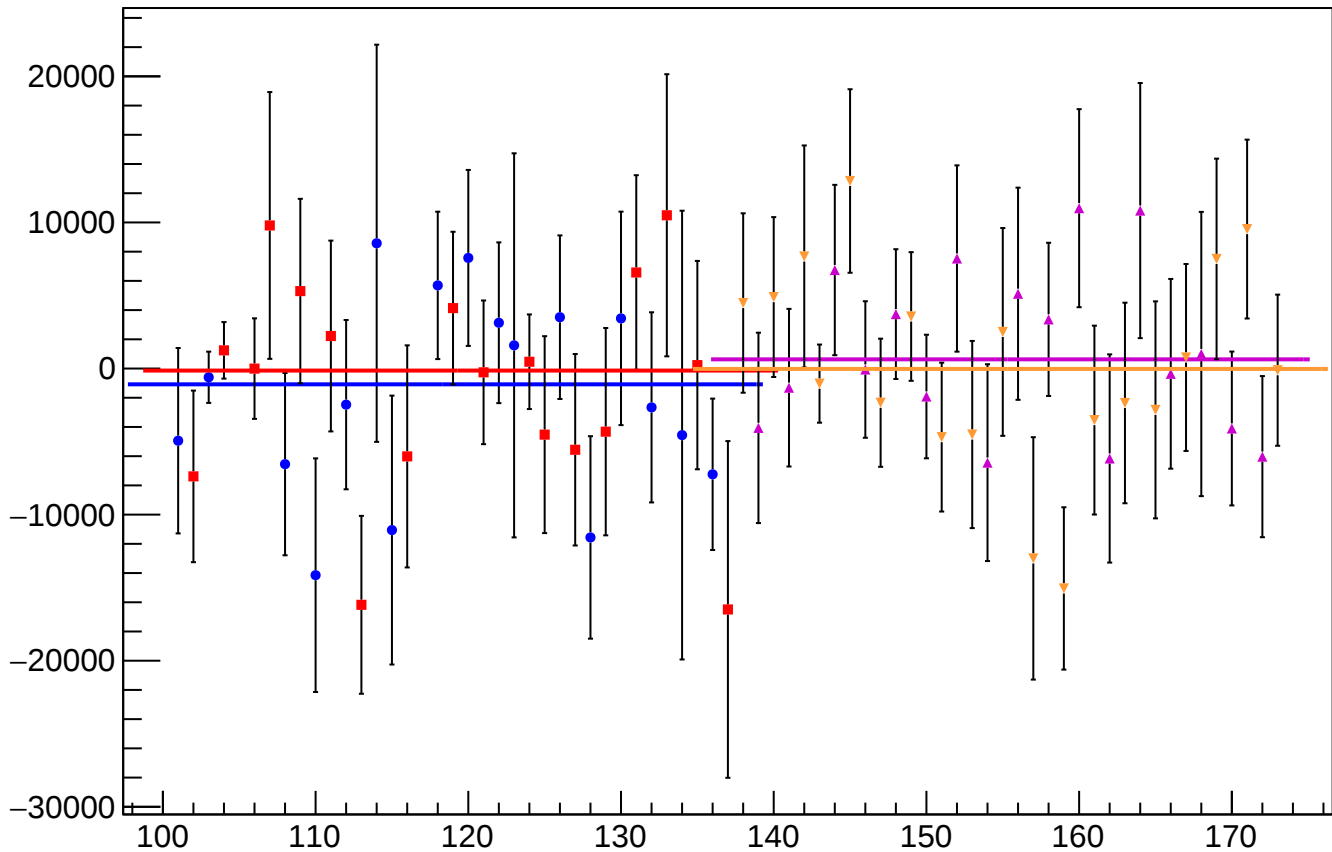
Right: 1362.318 $\pm$ 0.268 χ^2 /NDF: 1104435.3/34

In: 1359.855 $\pm$ 0.217 χ^2 /NDF: 554422.4/33

Out: 1383.944 $\pm$ 0.215 χ^2 /NDF: 878865.3/36

All: 1372.012 $\pm$ 0.153 χ^2 /NDF: 1439514.0/70

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: -1081.040 ± 1212.382 $\chi^2/\text{NDF}: 15.0/16$

Left Out: -27.424 ± 1241.784 $\chi^2/\text{NDF}: 23.1/18$

Right Out: -138.838 ± 1129.319 $\chi^2/\text{NDF}: 18.0/17$

Left In: 628.835 ± 1415.023 $\chi^2/\text{NDF}: 12.4/16$

Left: 258.095 ± 933.347 $\chi^2/\text{NDF}: 35.6/35$

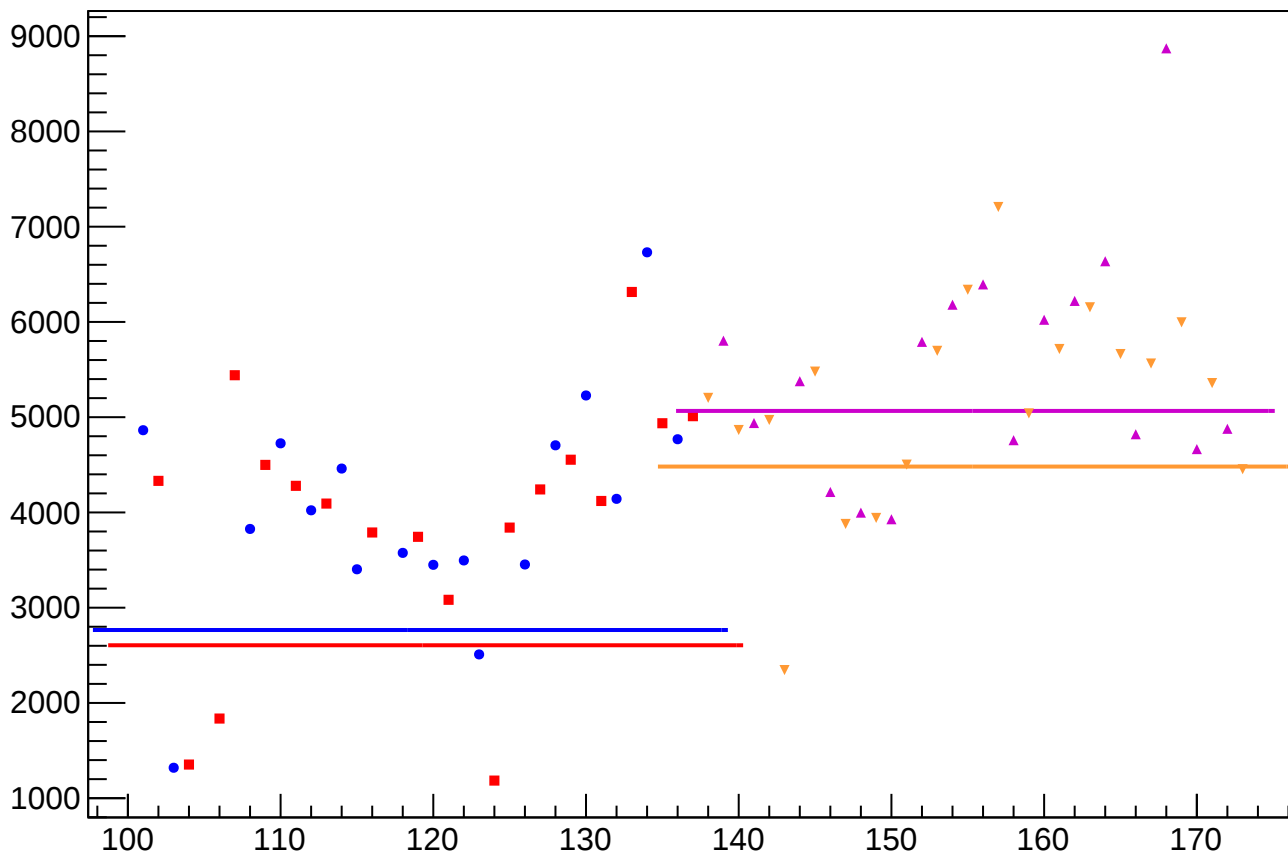
Right: -576.559 ± 826.355 $\chi^2/\text{NDF}: 33.3/34$

In: -357.198 ± 920.668 $\chi^2/\text{NDF}: 28.3/33$

Out: -88.403 ± 835.486 $\chi^2/\text{NDF}: 41.1/36$

All: -209.794 ± 618.706 $\chi^2/\text{NDF}: 69.4/70$

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 2765.736+/-0.857 χ^2/NDF : 2939083.2/16

Left Out: 4481.623+/-0.878 χ^2/NDF : 2322002.6/18

Right Out: 2605.528+/-0.799 χ^2/NDF : 3322334.9/17

Left In: 5065.786+/-1.001 χ^2/NDF : 993444.1/16

Left: 4735.775+/-0.660 χ^2/NDF : 3508006.8/35

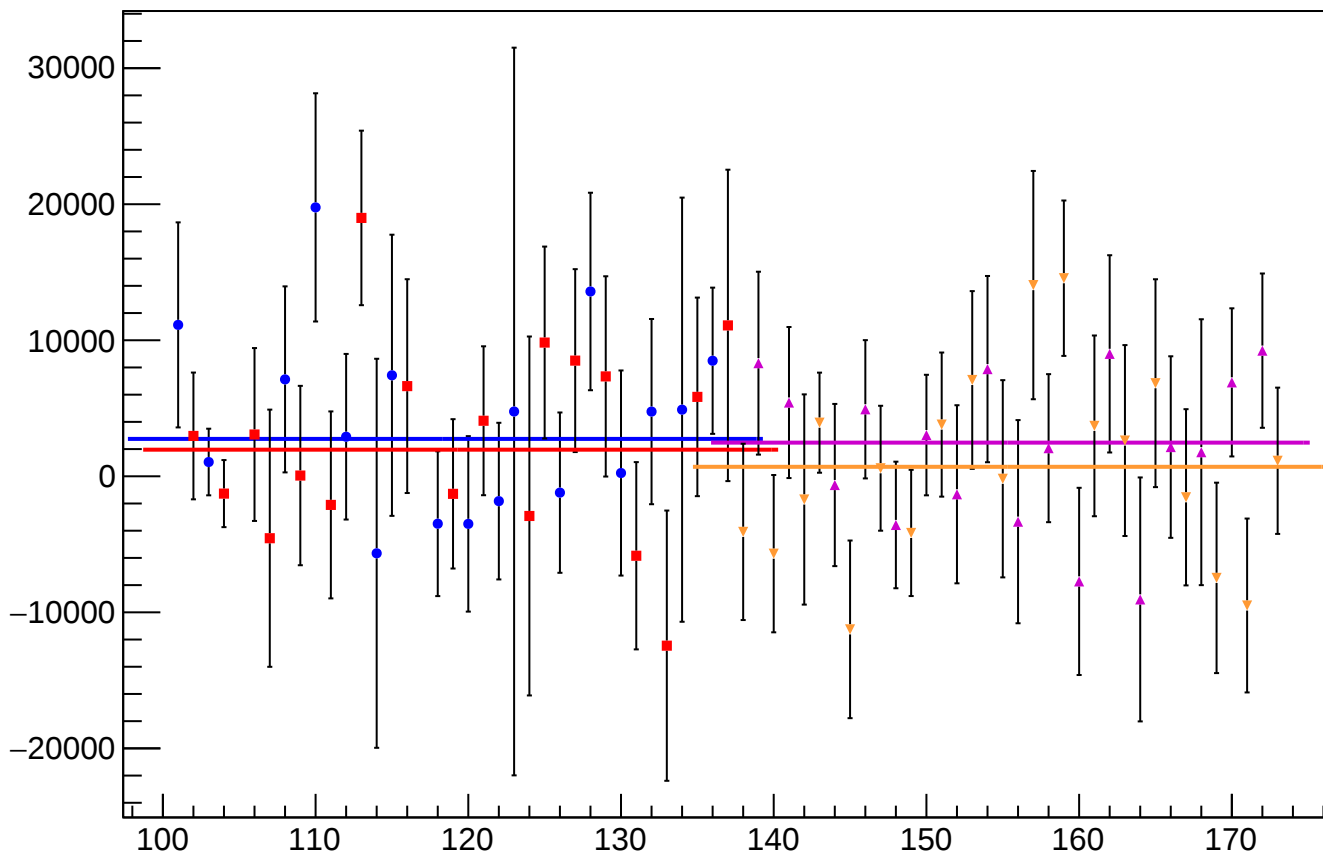
Right: 2679.956+/-0.584 χ^2/NDF : 6280117.2/34

In: 3739.417+/-0.651 χ^2/NDF : 6979753.0/33

Out: 3454.789+/-0.591 χ^2/NDF : 8142916.5/36

All: 3583.329+/-0.437 χ^2/NDF : 15227495.8/71

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2748.280+/-1446.638 χ^2/NDF : 13.8/16

Left Out: 697.262+/-1350.751 χ^2/NDF : 21.8/18

Right Out: 1955.923+/-1384.301 χ^2/NDF : 17.8/17

Left In: 2474.101+/-1466.012 χ^2/NDF : 11.6/16

Left: 1513.095+/-993.377 χ^2/NDF : 34.2/35

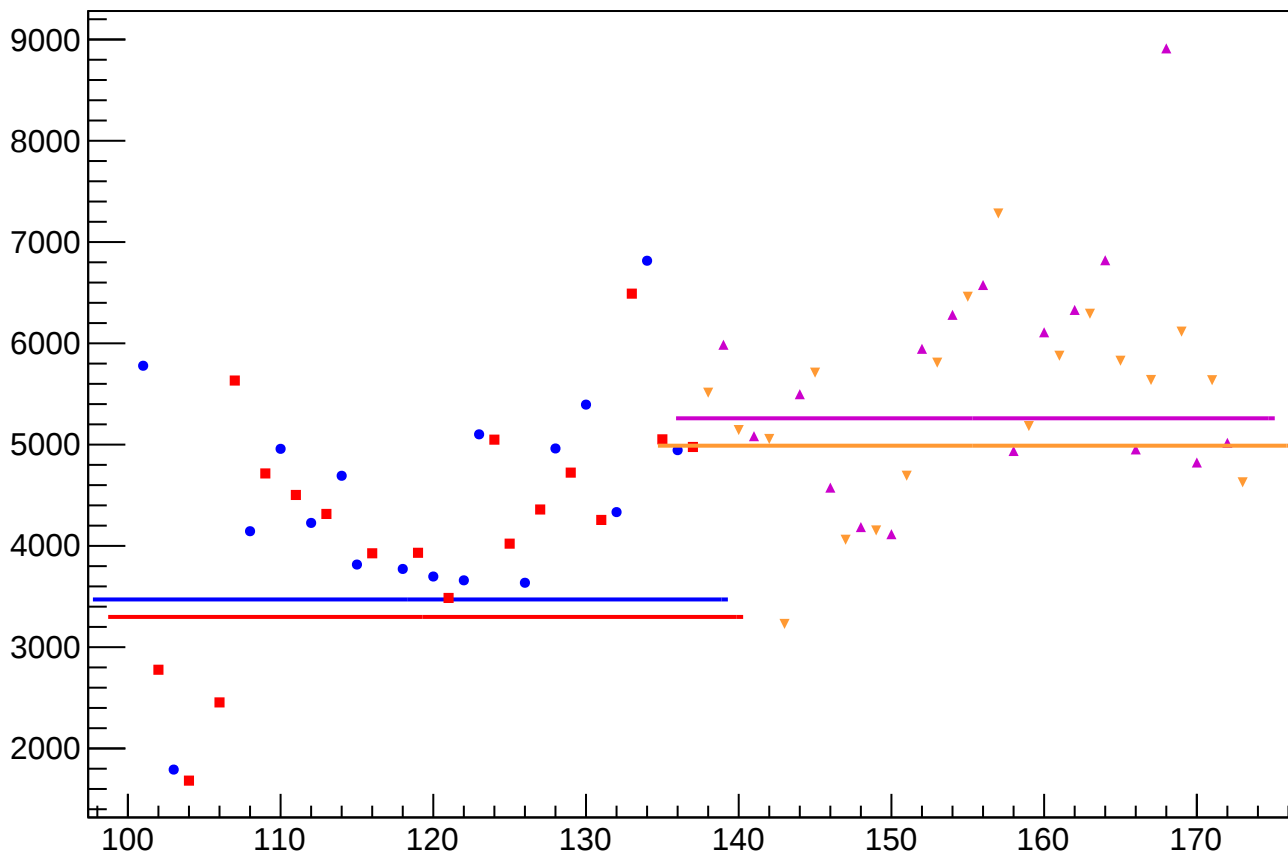
Right: 2334.662+/-1000.160 χ^2/NDF : 31.7/34

In: 2613.014+/-1029.709 χ^2/NDF : 25.4/33

Out: 1311.155+/-966.768 χ^2/NDF : 40.0/36

All: 1921.083+/-704.810 χ^2/NDF : 66.2/70

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3471.154+/-1.023 χ^2/NDF : 1767892.8/16

Left Out: 4989.421+/-0.955 χ^2/NDF : 1145359.2/18

Right Out: 3298.657+/-0.970 χ^2/NDF : 1886021.8/17

Left In: 5259.784+/-1.037 χ^2/NDF : 875190.9/16

Left: 5113.558+/-0.702 χ^2/NDF : 2057340.1/35

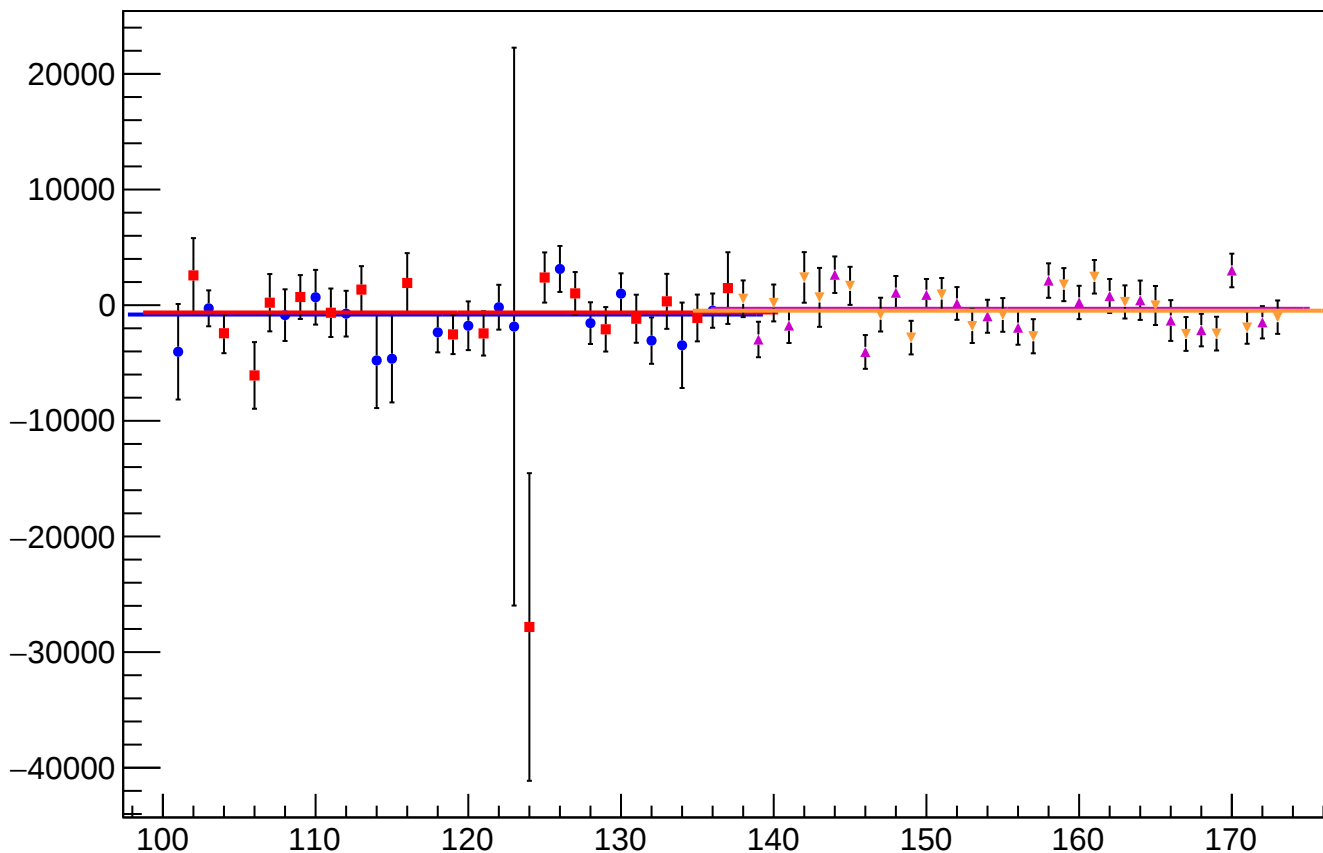
Right: 3380.318+/-0.704 χ^2/NDF : 3668889.8/34

In: 4353.551+/-0.728 χ^2/NDF : 4151481.1/33

Out: 4156.989+/-0.681 χ^2/NDF : 4574186.4/36

All: 4248.639+/-0.497 χ^2/NDF : 8764566.3/70

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -809.017+/-518.190 χ^2 /NDF: 11.2/16

Left Out: -475.867+/-351.755 χ^2 /NDF:22.8/18

Right Out: -630.651+/-514.931 χ^2 /NDF: 18.6/17

Left In: -313.363+/-359.153 χ^2 /NDF:28.7/16

Left: -396.306+/-251.303 χ^2 /NDF: 51.7/35

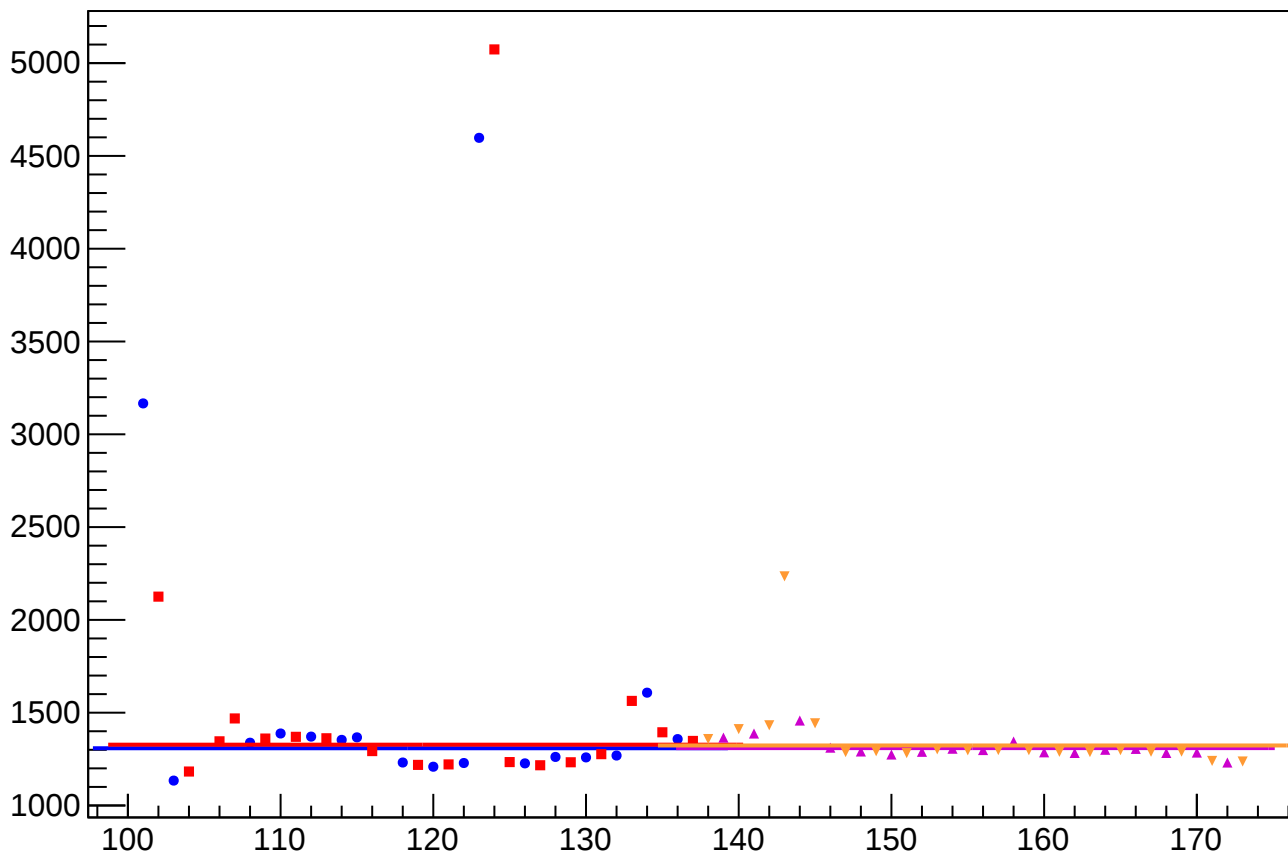
Right: -719.271+/-365.258 χ^2 /NDF: 29.8/34

In: -474.200+/-295.184 χ^2 /NDF:40.5/33

Out: -525.115+/-290.455 χ^2 /NDF:41.5/36

All: -500.069+/-207.034 χ^2 /NDF: 82.0/70

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1308.367+/-0.366 χ^2/NDF : 506545.0/16

Left Out: 1323.361+/-0.249 χ^2/NDF : 303566.4/18

Right Out: 1327.647+/-0.364 χ^2/NDF : 357330.6/17

Left In: 1309.165+/-0.254 χ^2/NDF : 37711.6/16

Left: 1316.411+/-0.178 χ^2/NDF : 342873.0/35

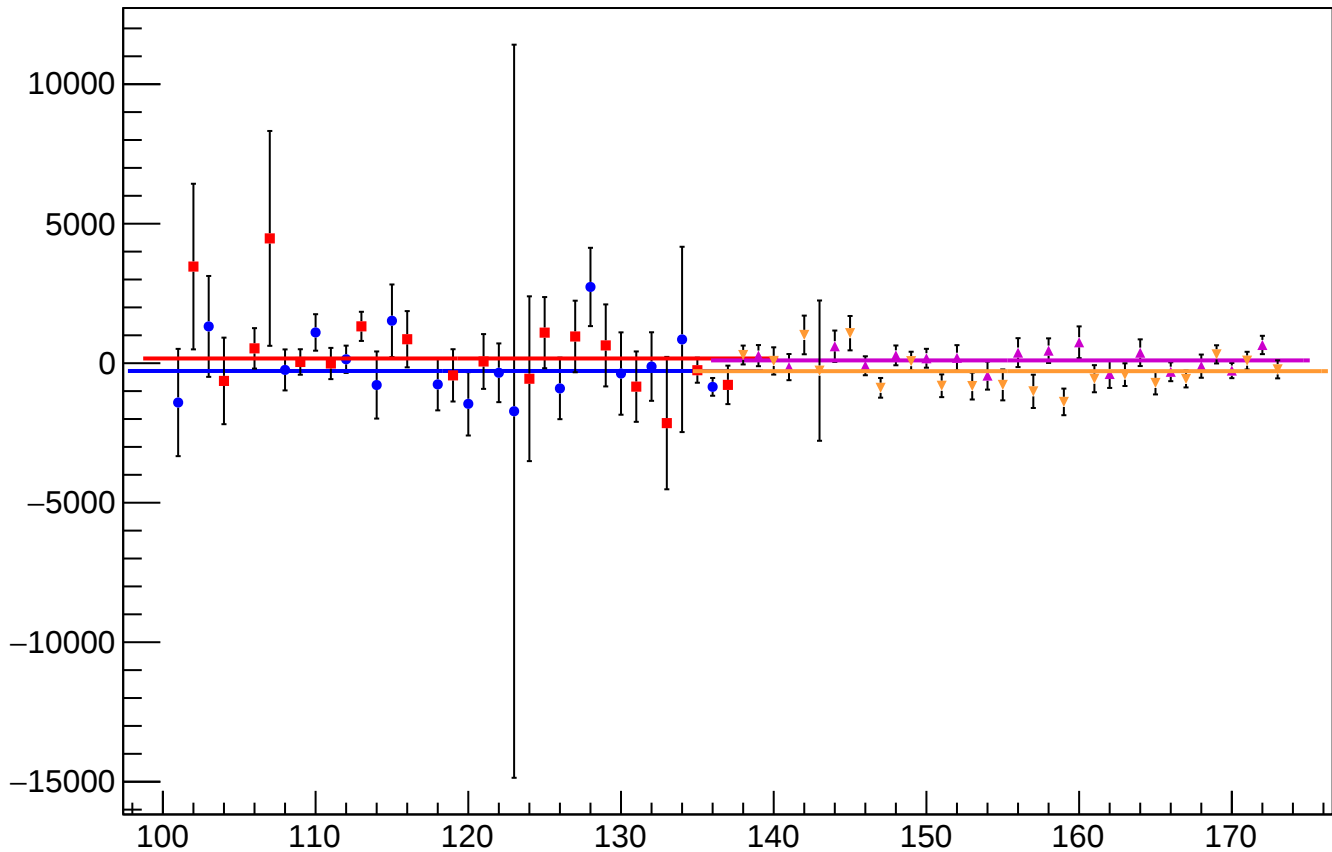
Right: 1318.067+/-0.258 χ^2/NDF : 865268.7/34

In: 1308.906+/-0.209 χ^2/NDF : 544259.9/33

Out: 1324.725+/-0.205 χ^2/NDF : 660991.4/36

All: 1316.943+/-0.146 χ^2/NDF : 1208169.6/70

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: -278.710 ± 198.123 χ^2/NDF : 18.0/16

Left Out: -285.217 ± 94.797 χ^2/NDF : 33.5/18

Right Out: 169.608 ± 192.488 χ^2/NDF : 14.4/17

Left In: 100.512 ± 96.900 χ^2/NDF : 13.0/16

Left: -96.584 ± 67.763 χ^2/NDF : 54.5/35

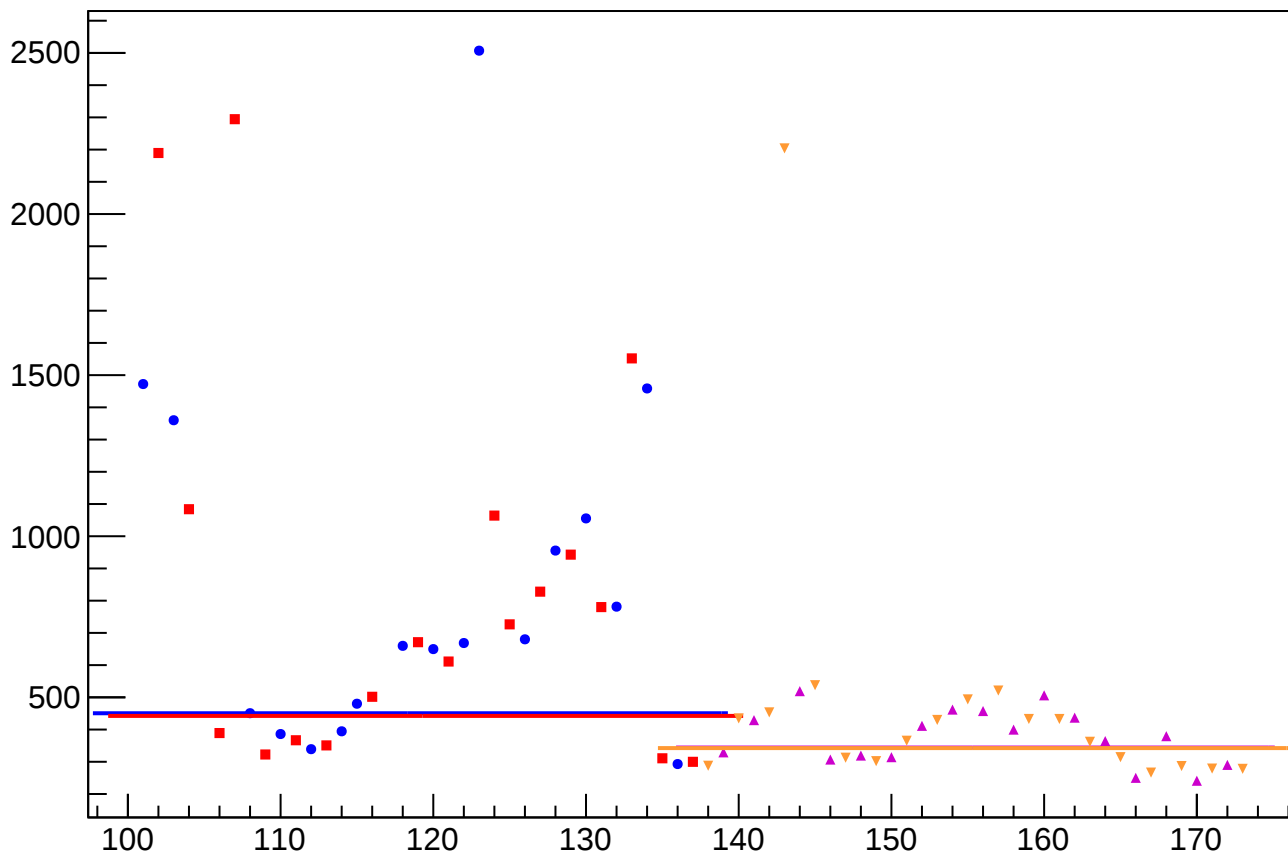
Right: -48.085 ± 138.058 χ^2/NDF : 35.0/34

In: 27.309 ± 87.047 χ^2/NDF : 34.0/33

Out: -196.437 ± 85.043 χ^2/NDF : 52.3/36

All: -87.169 ± 60.831 χ^2/NDF : 89.7/70

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 450.595+/-0.140 χ^2/NDF : 2997735.1/16

Left Out: 342.463+/-0.067 χ^2/NDF : 2412851.4/18

Right Out: 442.368+/-0.136 χ^2/NDF : 3368329.0/17

Left In: 344.224+/-0.069 χ^2/NDF : 1337829.9/16

Left: 343.324+/-0.048 χ^2/NDF : 3751018.9/35

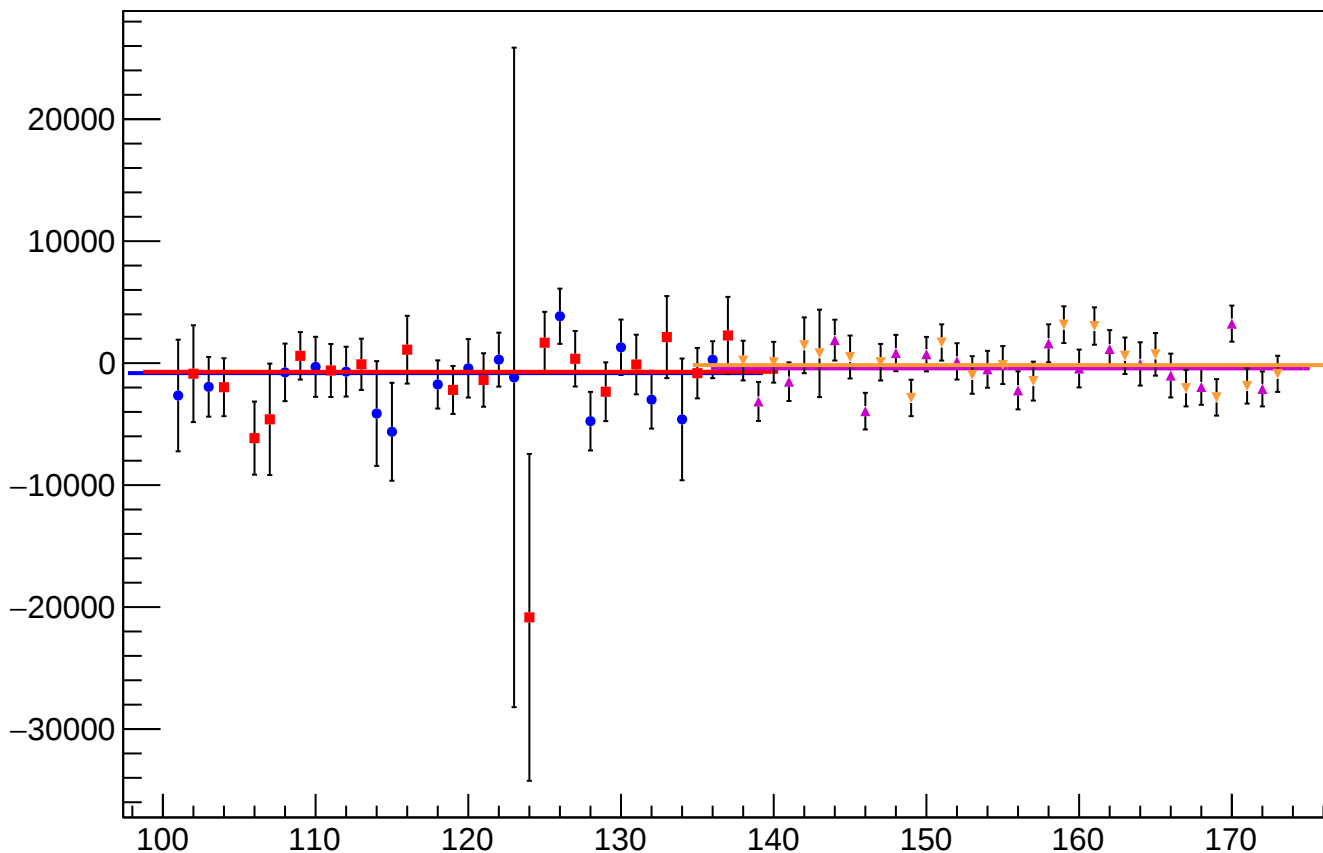
Right: 446.363+/-0.098 χ^2/NDF : 6367838.5/34

In: 364.758+/-0.062 χ^2/NDF : 4800792.0/33

Out: 361.964+/-0.060 χ^2/NDF : 6214775.8/36

All: 363.328+/-0.043 χ^2/NDF : 11016621.6/70

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -817.110+/-601.150 χ^2/NDF : 12.7/16

Left Out: -161.793+/-368.248 χ^2/NDF : 22.7/18

Right Out: -710.618+/-596.065 χ^2/NDF : 11.4/17

Left In: -428.573+/-374.571 χ^2/NDF : 25.2/16

Left: -292.912+/-262.597 χ^2/NDF : 48.1/35

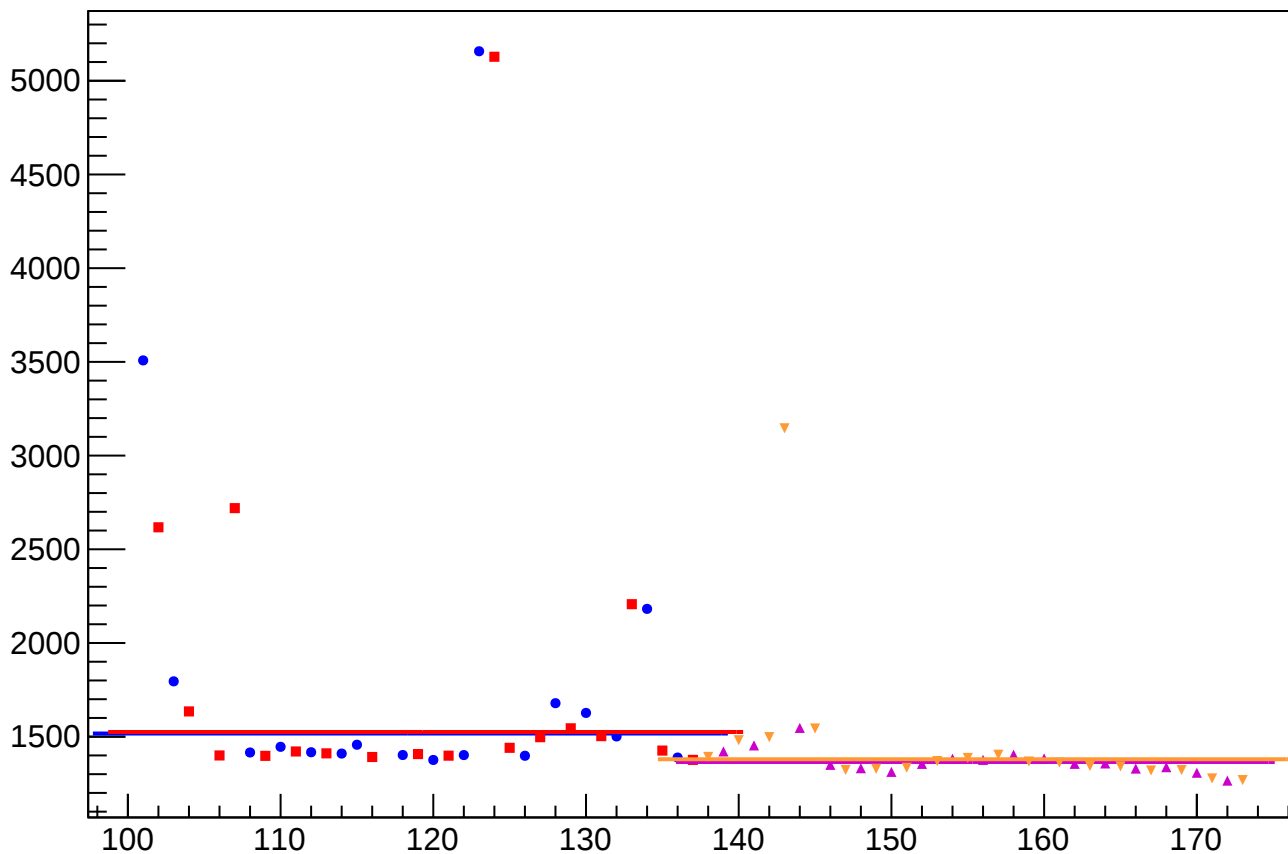
Right: -763.412+/-423.268 χ^2/NDF : 24.1/34

In: -537.233+/-317.908 χ^2/NDF : 38.2/33

Out: -313.401+/-313.283 χ^2/NDF : 34.7/36

All: -423.677+/-223.142 χ^2/NDF : 73.2/70

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1516.935 $\pm$ 0.425 χ^2 /NDF: 541039.6/16

Left Out: 1379.580 $\pm$ 0.260 χ^2 /NDF: 553534.9/18

Right Out: 1525.099 $\pm$ 0.421 χ^2 /NDF: 571929.2/17

Left In: 1365.156 $\pm$ 0.265 χ^2 /NDF: 52570.2/16

Left: 1372.491 $\pm$ 0.186 χ^2 /NDF: 607613.3/35

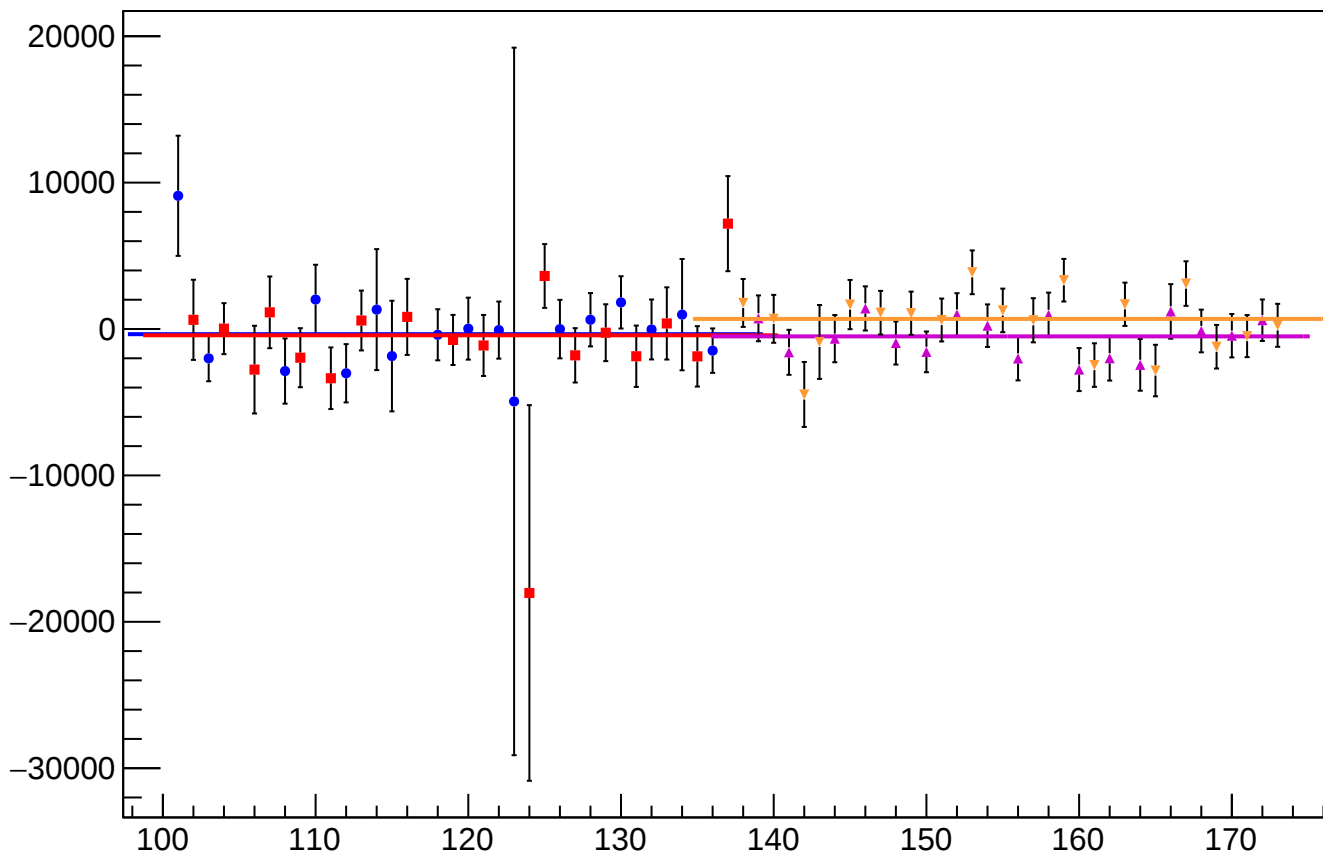
Right: 1521.052 $\pm$ 0.299 χ^2 /NDF: 1113154.8/34

In: 1407.603 $\pm$ 0.225 χ^2 /NDF: 685448.9/33

Out: 1419.779 $\pm$ 0.222 χ^2 /NDF: 1211738.2/36

All: 1413.780 $\pm$ 0.158 χ^2 /NDF: 1898675.5/70

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -353.131+/-523.324 χ^2/NDF : 13.4/16

Left Out: 689.520+/-360.176 χ^2/NDF : 28.6/18

Right Out: -429.167+/-522.342 χ^2/NDF : 16.8/17

Left In: -502.711+/-368.082 χ^2/NDF : 12.7/16

Left: 106.347+/-257.433 χ^2/NDF : 46.7/35

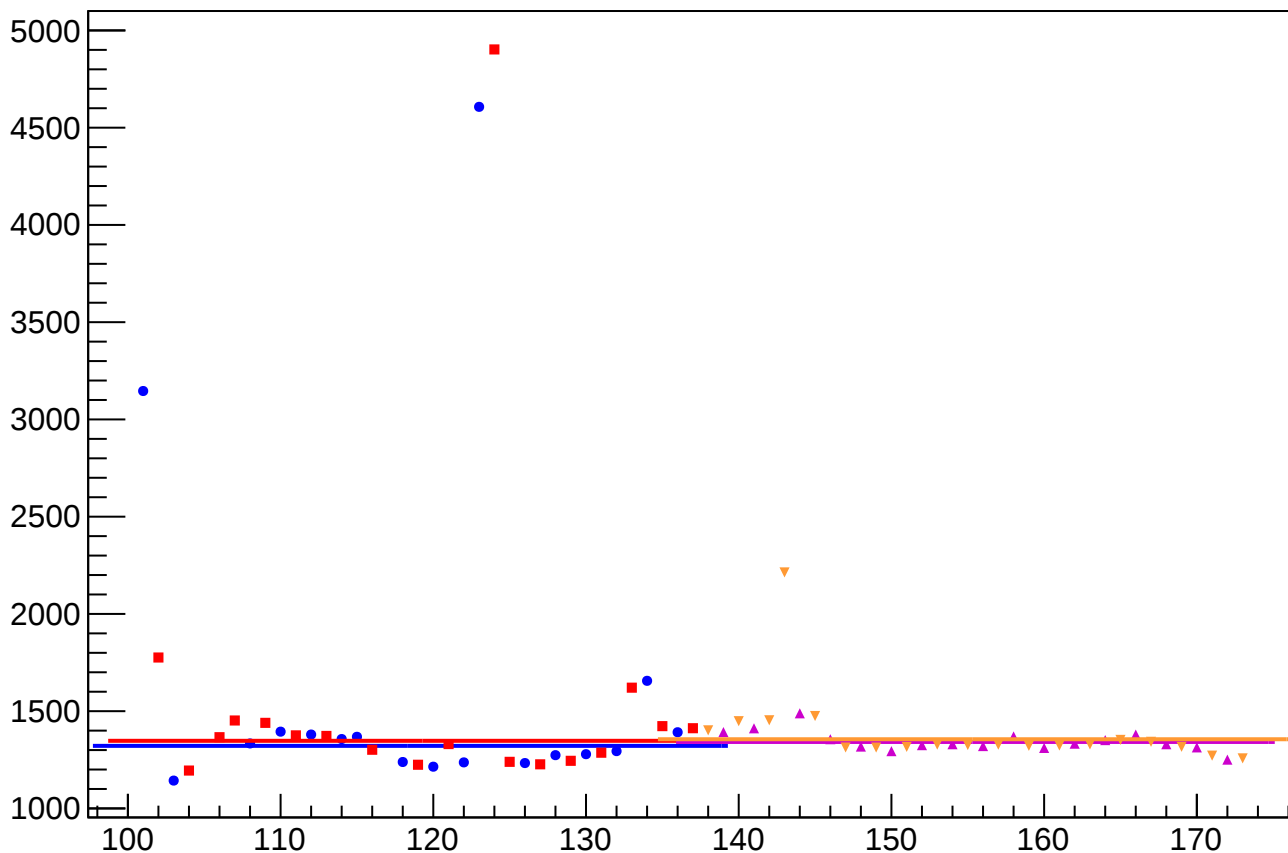
Right: -391.220+/-369.698 χ^2/NDF : 30.3/34

In: -453.204+/-301.070 χ^2/NDF : 26.2/33

Out: 329.025+/-296.517 χ^2/NDF : 48.6/36

All: -56.131+/-211.260 χ^2/NDF : 78.2/70

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1321.703 $\pm$ 0.370 χ^2 /NDF: 502245.7/16

Left Out: 1355.662 $\pm$ 0.255 χ^2 /NDF: 279914.6/18

Right Out: 1347.646 $\pm$ 0.369 χ^2 /NDF: 286301.2/17

Left In: 1341.783 $\pm$ 0.260 χ^2 /NDF: 38358.3/16

Left: 1348.873 $\pm$ 0.182 χ^2 /NDF: 319725.4/35

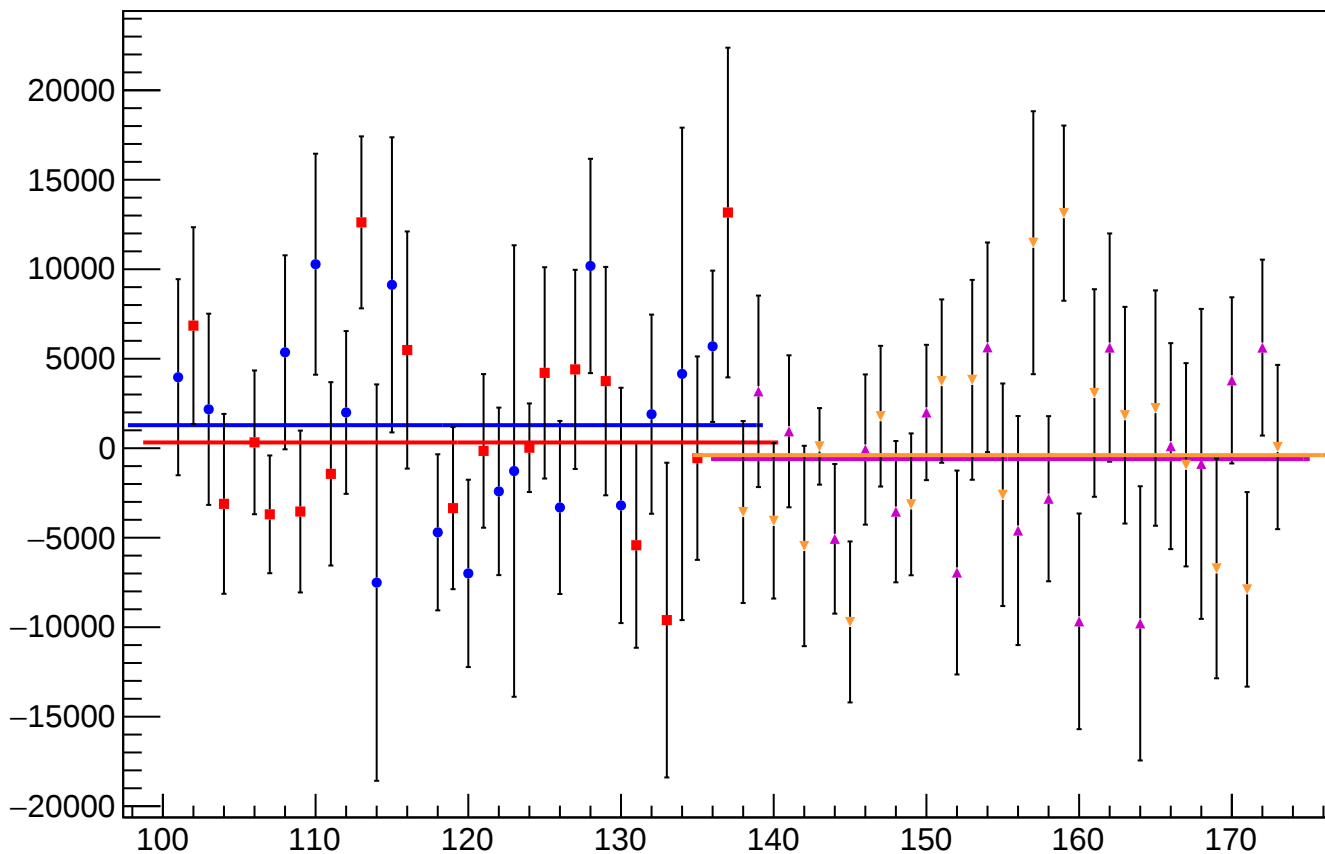
Right: 1334.706 $\pm$ 0.261 χ^2 /NDF: 791010.5/34

In: 1335.137 $\pm$ 0.213 χ^2 /NDF: 542574.1/33

Out: 1353.077 $\pm$ 0.210 χ^2 /NDF: 566535.2/36

All: 1344.245 $\pm$ 0.149 χ^2 /NDF: 1112714.6/70

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: 1287.495+/-1375.853 χ^2/NDF : 14.3/16

Left Out: -385.336+/-1050.859 χ^2/NDF :22.5/18

Right Out: 321.508+/-1105.580 χ^2/NDF : 17.6/17

Left In: -607.537+/-1221.336 χ^2/NDF :13.0/16

Left: -479.858+/-796.581 χ^2/NDF : 35.5/35

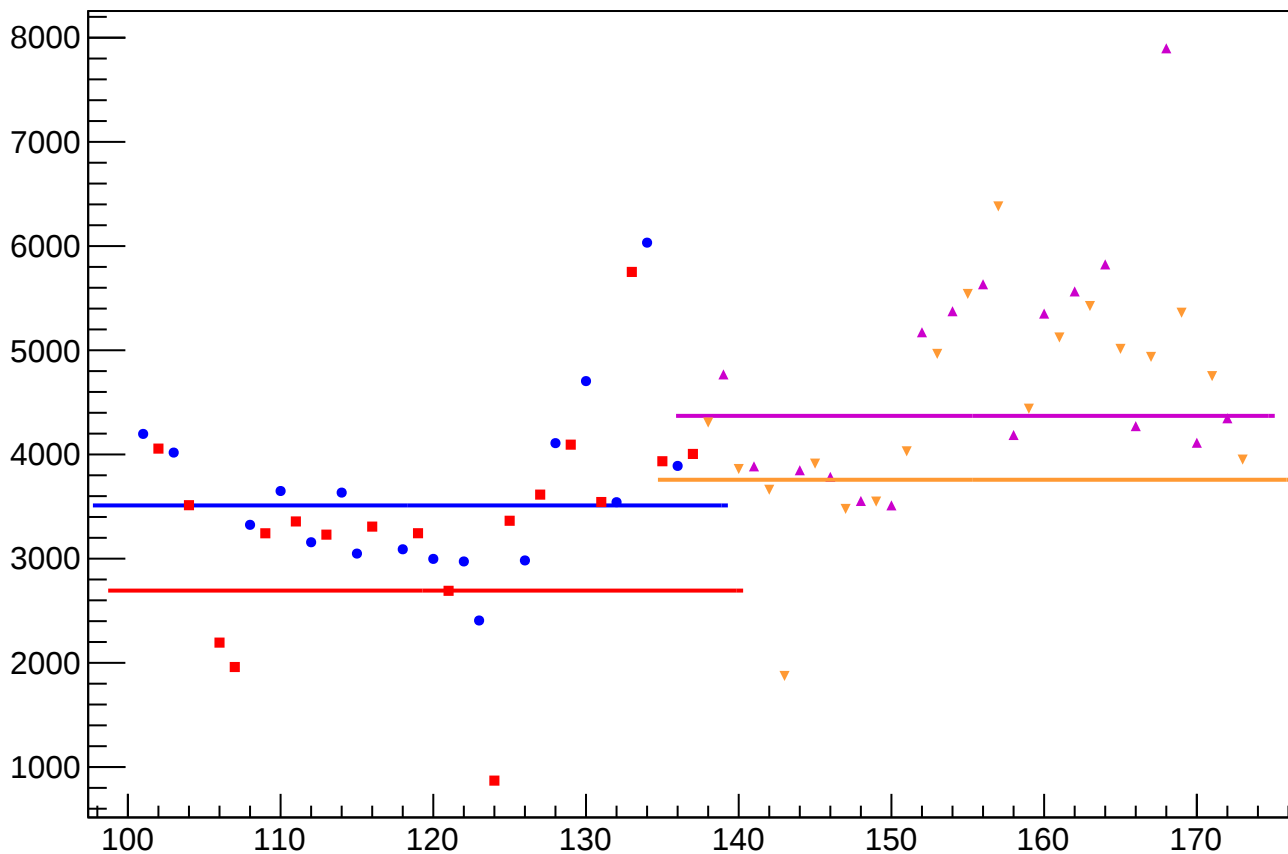
Right: 700.521+/-861.814 χ^2/NDF : 32.1/34

In: 227.634+/-913.380 χ^2/NDF :28.3/33

Out: -49.839+/-761.680 χ^2/NDF :40.2/36

All: 63.973+/-584.972 χ^2/NDF : 68.6/70

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 3510.799 $\pm$ 0.973 χ^2 /NDF: 344054.4/16

Left Out: 3757.219 $\pm$ 0.743 χ^2 /NDF: 2782711.2/18

Right Out: 2693.503 $\pm$ 0.782 χ^2 /NDF: 2125842.2/17

Left In: 4370.494 $\pm$ 0.864 χ^2 /NDF: 1009521.2/16

Left: 4018.101 $\pm$ 0.563 χ^2 /NDF: 4081993.8/35

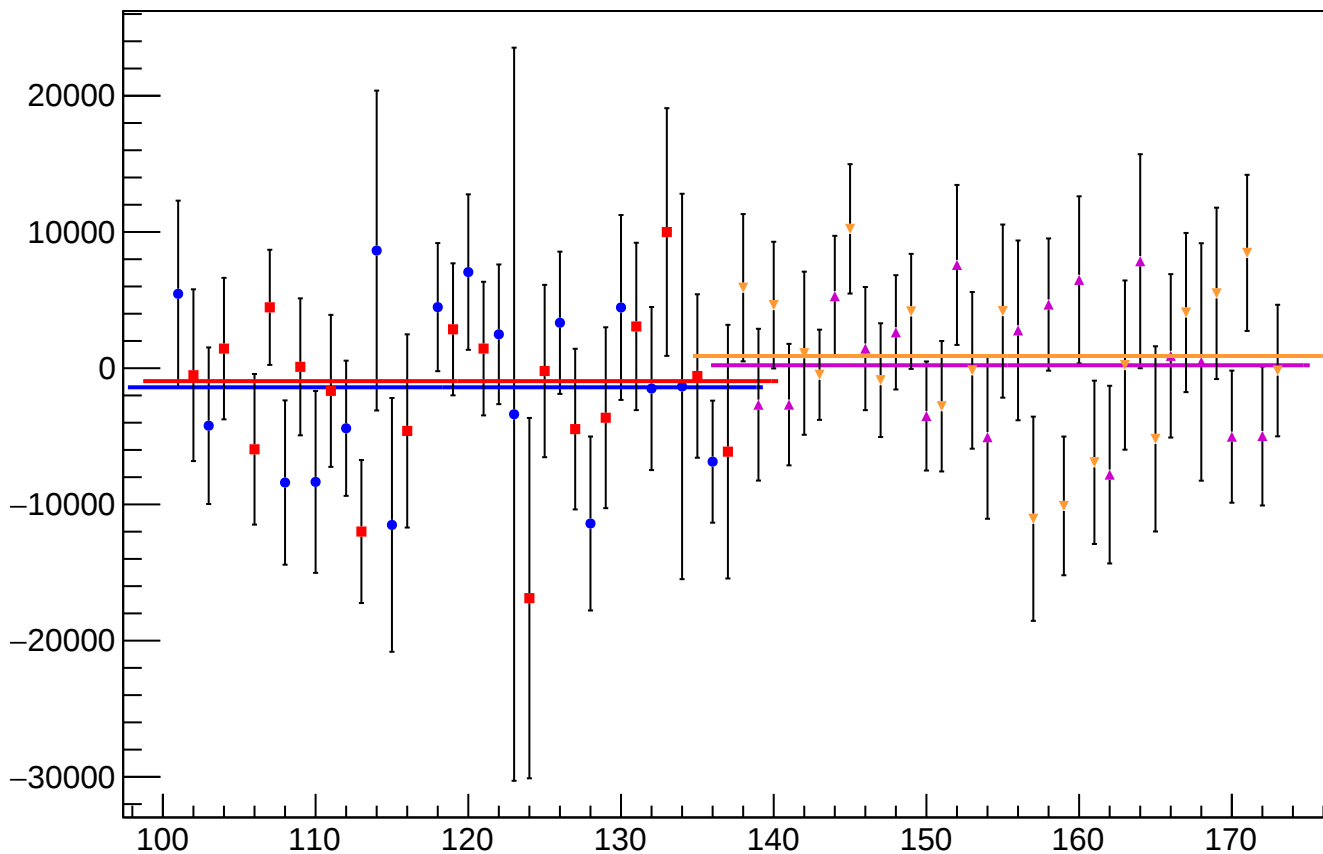
Right: 3014.176 $\pm$ 0.609 χ^2 /NDF: 2898733.2/34

In: 3991.612 $\pm$ 0.646 χ^2 /NDF: 1790299.6/33

Out: 3252.336 $\pm$ 0.539 χ^2 /NDF: 5881206.9/36

All: 3555.567 $\pm$ 0.414 χ^2 /NDF: 8444302.9/70

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1401.442 ± 1504.149 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 896.233 ± 1182.090 $\chi^2/\text{NDF}: 19.6/18$

Right Out: -947.960 ± 1382.709 $\chi^2/\text{NDF}: 12.5/17$

Left In: 216.058 ± 1278.299 $\chi^2/\text{NDF}: 12.3/16$

Left: 582.701 ± 867.886 $\chi^2/\text{NDF}: 32.1/35$

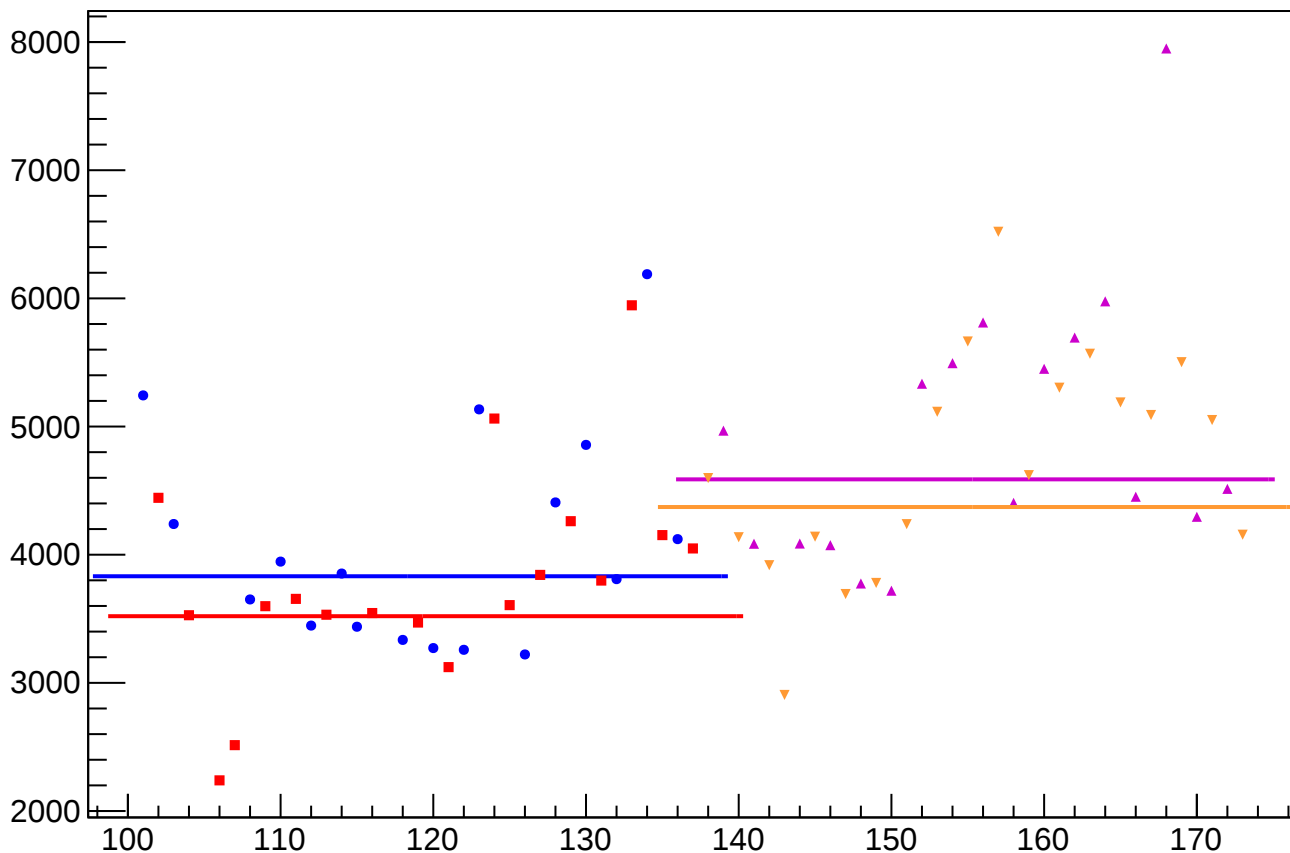
Right: -1155.658 ± 1017.952 $\chi^2/\text{NDF}: 28.3/34$

In: -462.259 ± 974.059 $\chi^2/\text{NDF}: 28.8/33$

Out: 117.512 ± 898.501 $\chi^2/\text{NDF}: 33.1/36$

All: -149.018 ± 660.435 $\chi^2/\text{NDF}: 62.1/70$

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3831.818 ± 1.064 $\chi^2/\text{NDF}: 337707.1/16$

Left Out: 4372.004 ± 0.836 $\chi^2/\text{NDF}: 1074016.4/18$

Right Out: 3520.188 ± 0.969 $\chi^2/\text{NDF}: 544143.8/17$

Left In: 4587.891 ± 0.904 $\chi^2/\text{NDF}: 870922.8/16$

Left: 4471.518 ± 0.614 $\chi^2/\text{NDF}: 1975689.1/35$

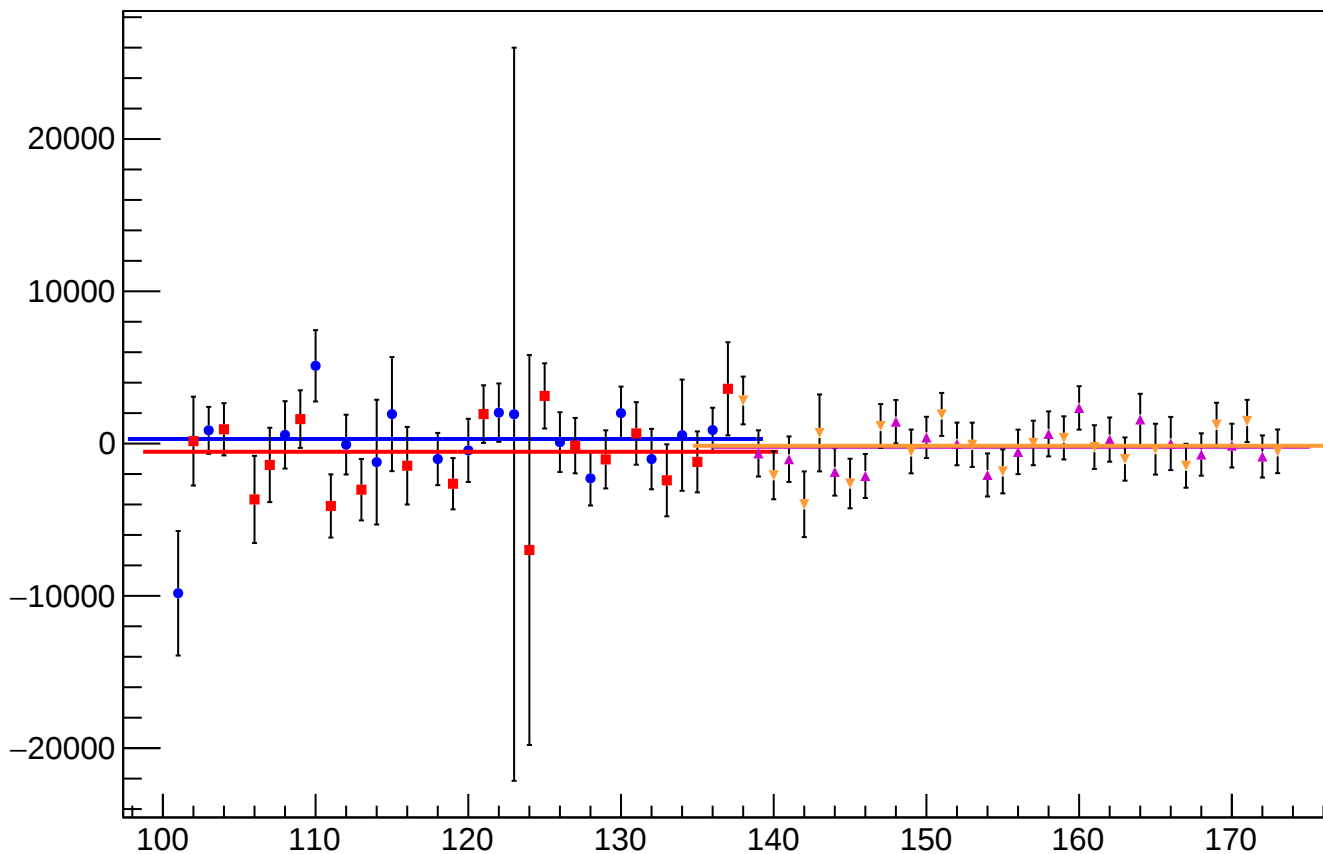
Right: 3661.502 ± 0.716 $\chi^2/\text{NDF}: 928771.8/34$

In: 4270.814 ± 0.689 $\chi^2/\text{NDF}: 1502052.9/33$

Out: 4008.499 ± 0.633 $\chi^2/\text{NDF}: 2061344.2/36$

All: 4128.583 ± 0.466 $\chi^2/\text{NDF}: 3642044.7/70$

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 301.968 ± 512.834 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -144.752 ± 348.232 $\chi^2/\text{NDF}: 18.8/18$

Right Out: -537.727 ± 508.684 $\chi^2/\text{NDF}: 17.5/17$

Left In: -208.690 ± 355.517 $\chi^2/\text{NDF}: 11.7/16$

Left: -176.059 ± 248.773 $\chi^2/\text{NDF}: 30.5/35$

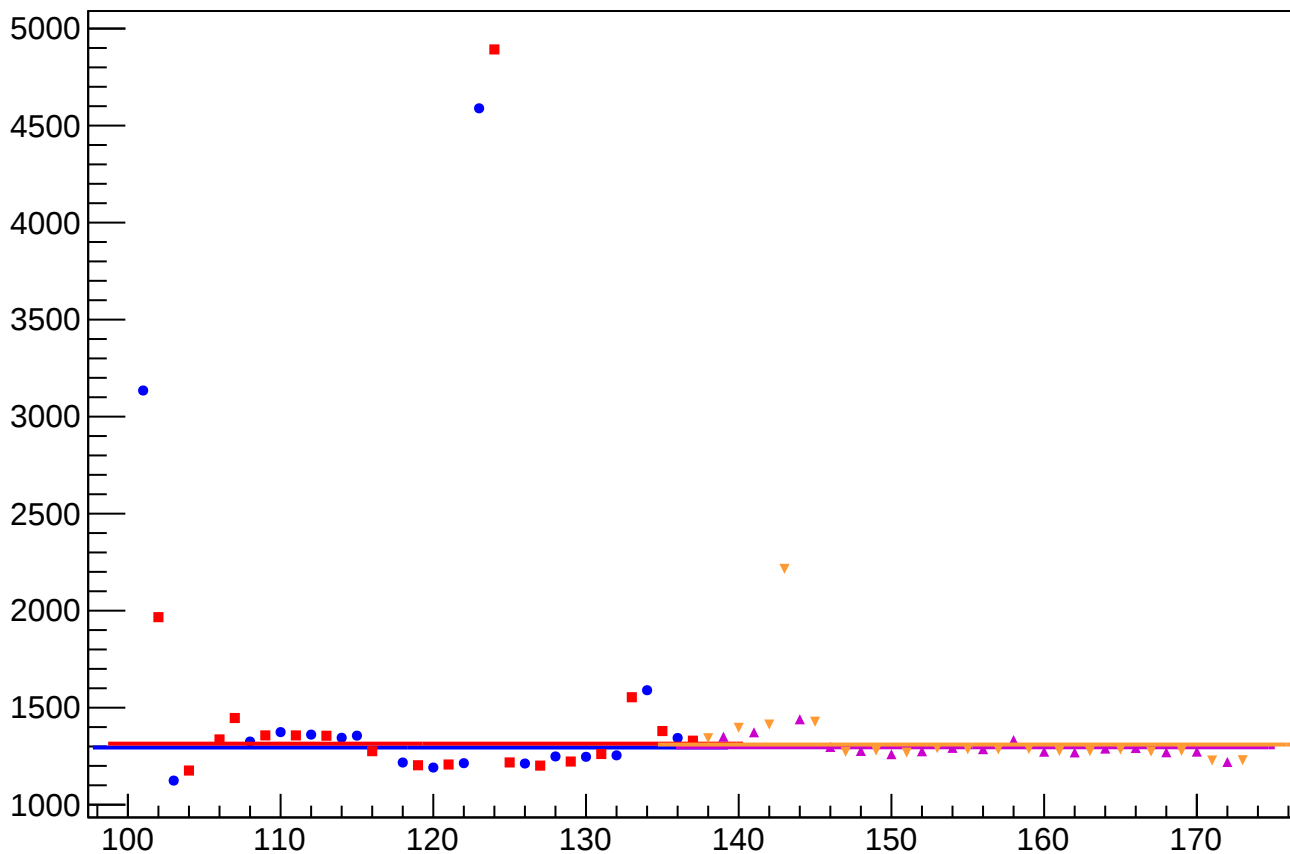
Right: -121.291 ± 361.152 $\chi^2/\text{NDF}: 34.9/34$

In: -42.935 ± 292.176 $\chi^2/\text{NDF}: 28.4/33$

Out: -270.150 ± 287.350 $\chi^2/\text{NDF}: 36.7/36$

All: -158.435 ± 204.872 $\chi^2/\text{NDF}: 65.4/70$

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1294.729+/-0.363 χ^2/NDF : 507803.9/16

Left Out: 1310.045+/-0.246 χ^2/NDF : 303256.4/18

Right Out: 1314.588+/-0.360 χ^2/NDF : 333838.6/17

Left In: 1295.897+/-0.251 χ^2/NDF : 36980.6/16

Left: 1303.117+/-0.176 χ^2/NDF : 341853.3/35

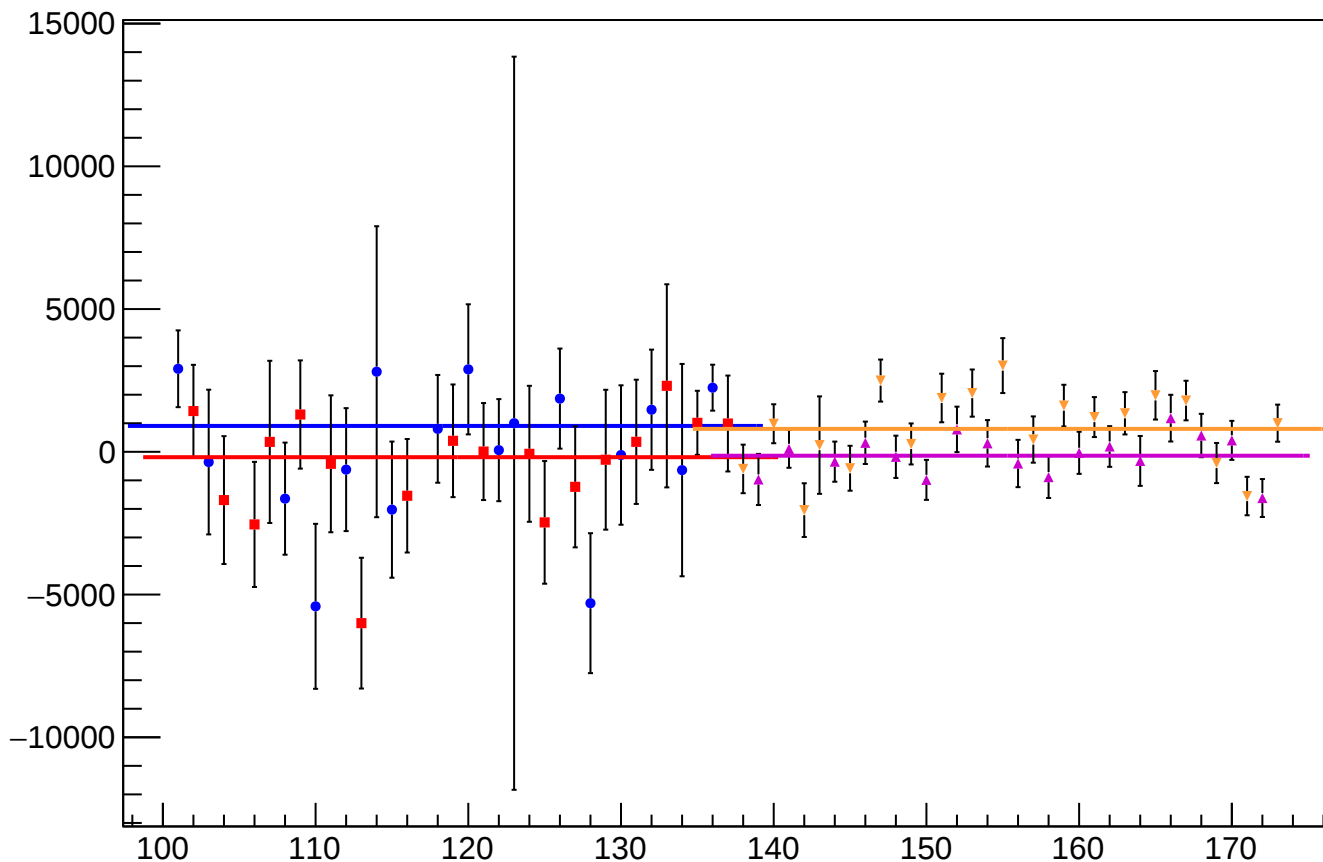
Right: 1304.740+/-0.255 χ^2/NDF : 843154.3/34

In: 1295.518+/-0.207 χ^2/NDF : 544791.5/33

Out: 1311.494+/-0.203 χ^2/NDF : 637203.7/36

All: 1303.639+/-0.145 χ^2/NDF : 1185035.0/70

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 906.688 $\pm$ 455.840 χ^2/NDF : 22.0/16

Left Out: 803.384 $\pm$ 177.725 χ^2/NDF : 51.7/18

Right Out: -188.170 $\pm$ 464.537 χ^2/NDF : 13.8/17

Left In: -136.844 $\pm$ 181.427 χ^2/NDF : 15.0/16

Left: 342.959 $\pm$ 126.959 χ^2/NDF : 80.4/35

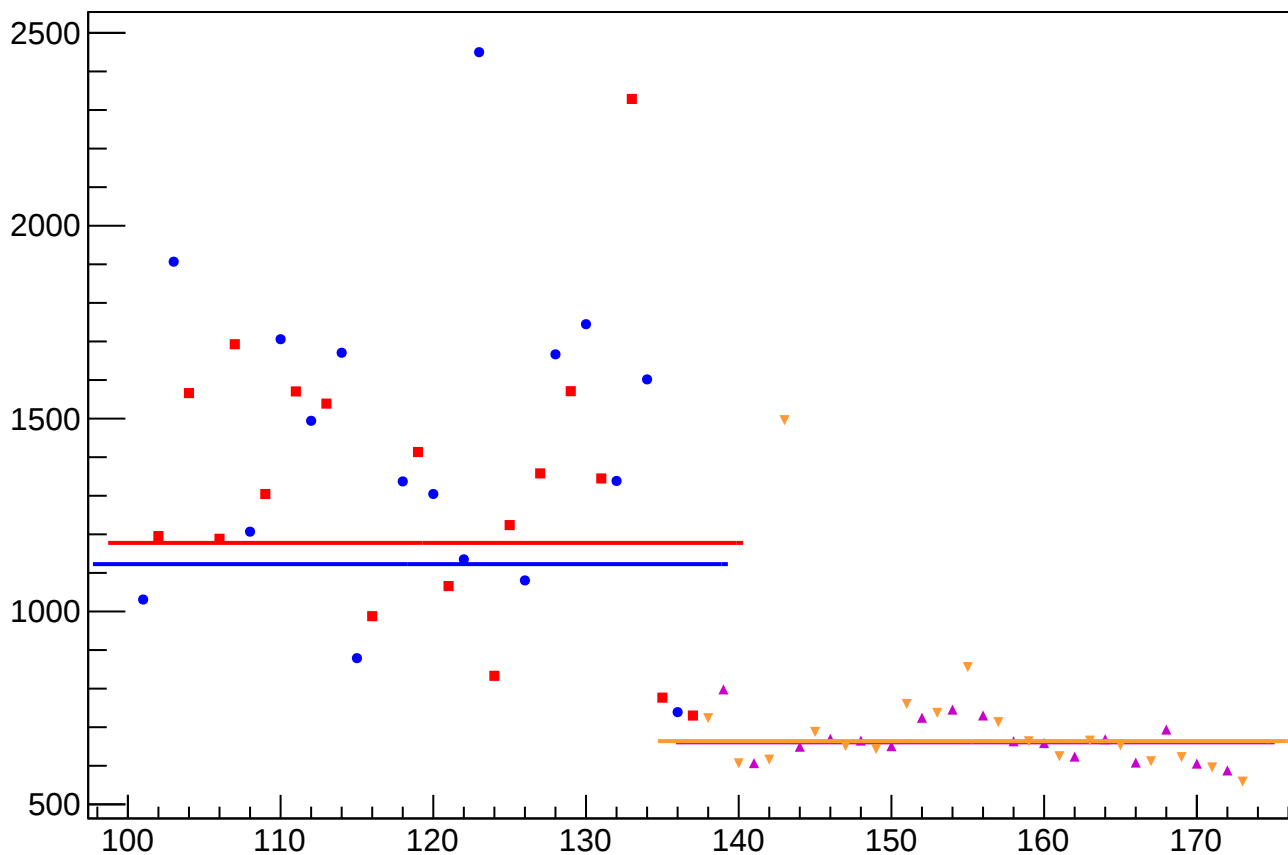
Right: 369.604 $\pm$ 325.359 χ^2/NDF : 38.7/34

In: 5.855 $\pm$ 168.566 χ^2/NDF : 41.5/33

Out: 676.780 $\pm$ 165.992 χ^2/NDF : 69.5/36

All: 346.480 $\pm$ 118.274 χ^2/NDF : 119.1/70

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 1122.773+/-0.322 χ^2/NDF : 1187996.4/16

Left Out: 663.989+/-0.126 χ^2/NDF : 734478.3/18

Right Out: 1177.797+/-0.328 χ^2/NDF : 1021710.1/17

Left In: 660.680+/-0.128 χ^2/NDF : 164854.1/16

Left: 662.369+/-0.090 χ^2/NDF : 899671.9/35

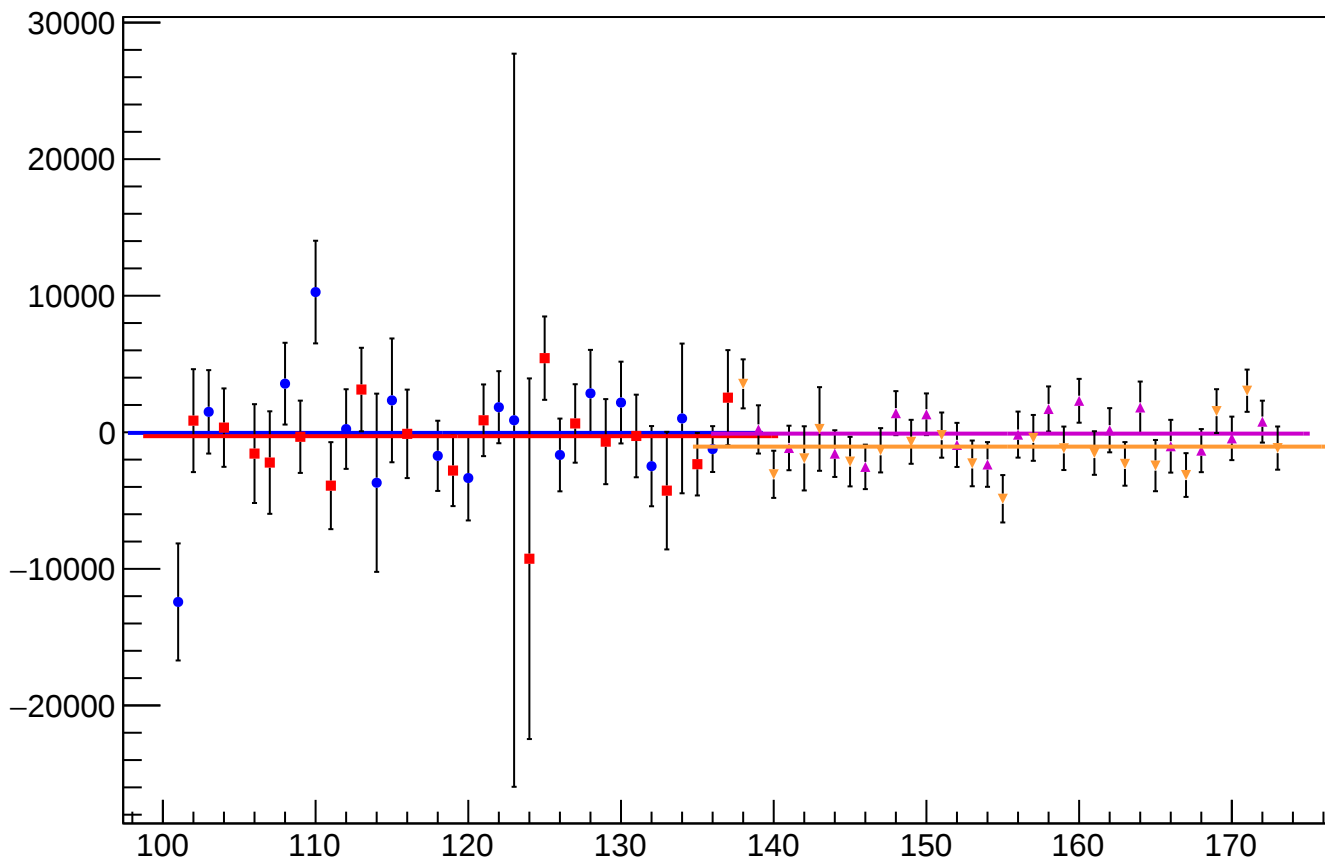
Right: 1149.765+/-0.230 χ^2/NDF : 2224002.1/34

In: 723.869+/-0.119 χ^2/NDF : 3127051.8/33

Out: 729.593+/-0.117 χ^2/NDF : 3890542.3/36

All: 726.776+/-0.084 χ^2/NDF : 7018765.0/70

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -44.367 ± 747.588 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -1049.402 ± 393.064 $\chi^2/\text{NDF}: 27.1/18$

Right Out: -285.373 ± 735.391 $\chi^2/\text{NDF}: 10.6/17$

Left In: -97.993 ± 400.241 $\chi^2/\text{NDF}: 13.0/16$

Left: -582.305 ± 280.441 $\chi^2/\text{NDF}: 43.0/35$

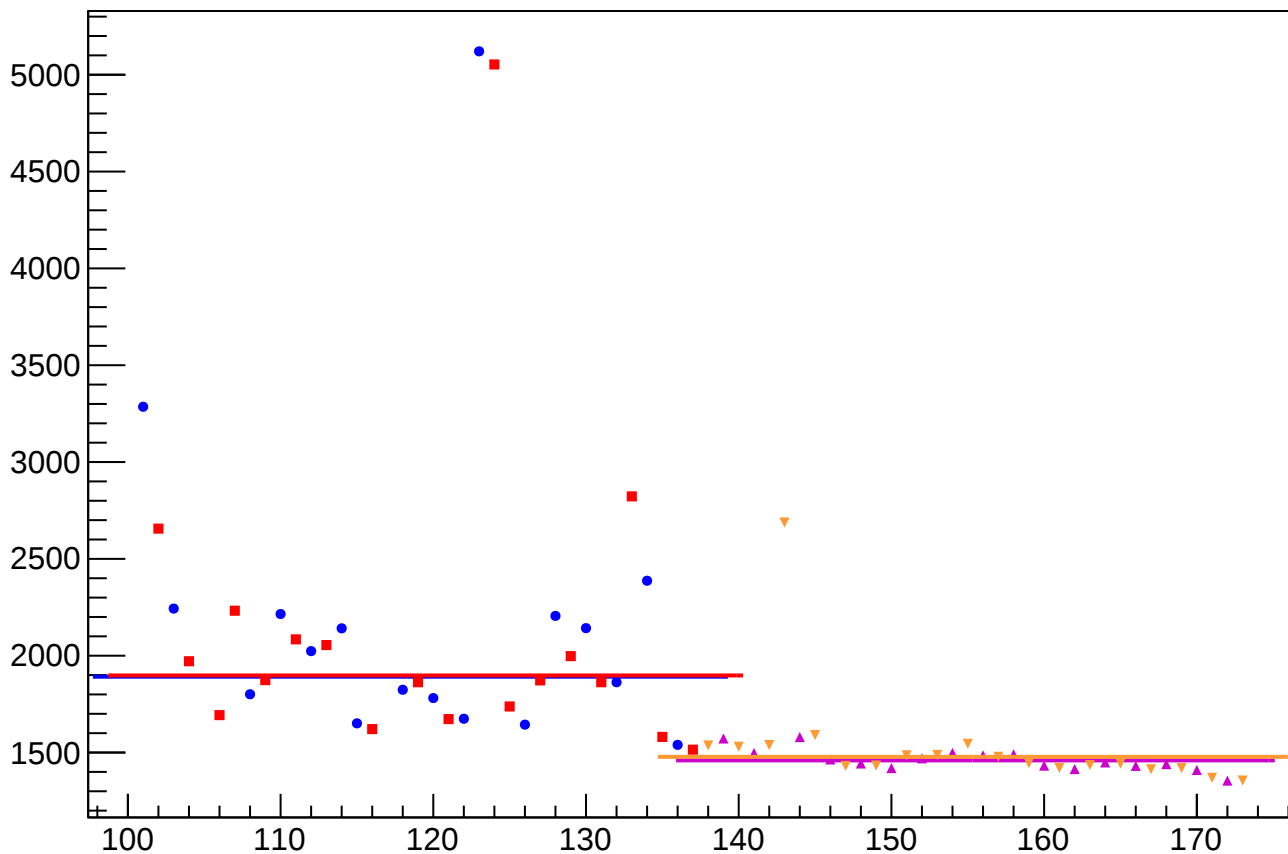
Right: -166.852 ± 524.259 $\chi^2/\text{NDF}: 33.9/34$

In: -86.046 ± 352.854 $\chi^2/\text{NDF}: 36.2/33$

Out: -879.631 ± 346.654 $\chi^2/\text{NDF}: 38.5/36$

All: -489.873 ± 247.284 $\chi^2/\text{NDF}: 77.3/70$

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.668 $\pm$ 0.529 χ^2 /NDF: 469088.3/16

Left Out: 1477.770 $\pm$ 0.278 χ^2 /NDF: 364670.4/18

Right Out: 1898.010 $\pm$ 0.520 χ^2 /NDF: 423694.9/17

Left In: 1459.521 $\pm$ 0.283 χ^2 /NDF: 37297.8/16

Left: 1468.811 $\pm$ 0.198 χ^2 /NDF: 404084.7/35

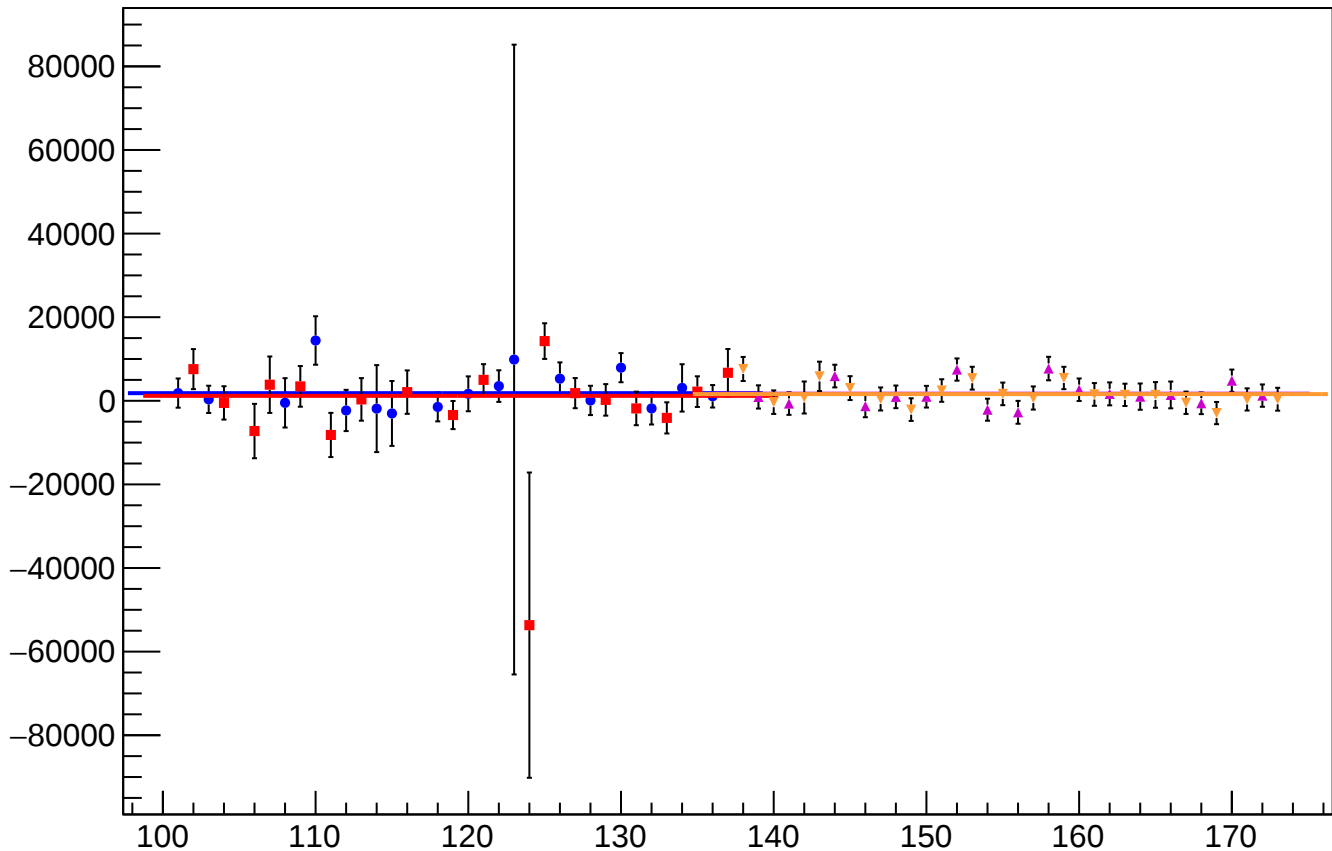
Right: 1894.891 $\pm$ 0.371 χ^2 /NDF: 892856.4/34

In: 1555.794 $\pm$ 0.250 χ^2 /NDF: 1025805.9/33

Out: 1571.152 $\pm$ 0.245 χ^2 /NDF: 1296363.8/36

All: 1563.609 $\pm$ 0.175 χ^2 /NDF: 2324097.7/70

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1825.042 $\pm$ 1010.167 χ^2 /NDF: 12.6/16

Left Out: 1602.018 $\pm$ 644.915 χ^2 /NDF:16.8/18

Right Out: 1182.804 $\pm$ 1049.924 χ^2 /NDF: 25.5/17

Left In: 1705.452 $\pm$ 663.128 χ^2 /NDF:21.1/16

Left: 1652.295 $\pm$ 462.329 χ^2 /NDF: 37.9/35

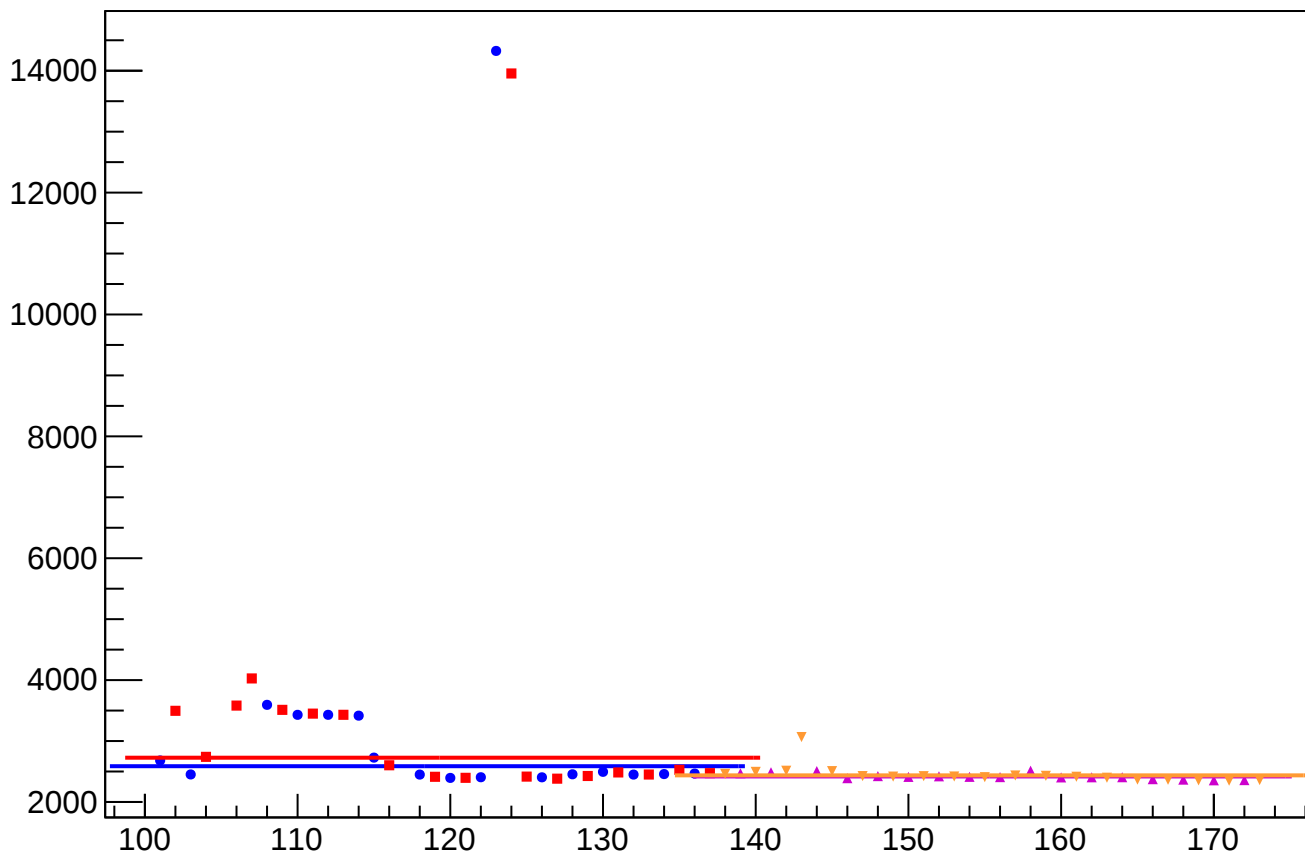
Right: 1516.312 $\pm$ 727.946 χ^2 /NDF: 38.2/34

In: 1741.467 $\pm$ 554.355 χ^2 /NDF:33.6/33

Out: 1487.177 $\pm$ 549.525 χ^2 /NDF:42.4/36

All: 1613.209 $\pm$ 390.269 χ^2 /NDF: 76.1/70

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2586.978 $\pm$ 0.714 χ^2 /NDF: 254112.7/16

Left Out: 2436.761 $\pm$ 0.456 χ^2 /NDF: 76041.1/18

Right Out: 2726.457 $\pm$ 0.742 χ^2 /NDF: 580850.1/17

Left In: 2418.511 $\pm$ 0.469 χ^2 /NDF: 10159.6/16

Left: 2427.890 $\pm$ 0.327 χ^2 /NDF: 86979.3/35

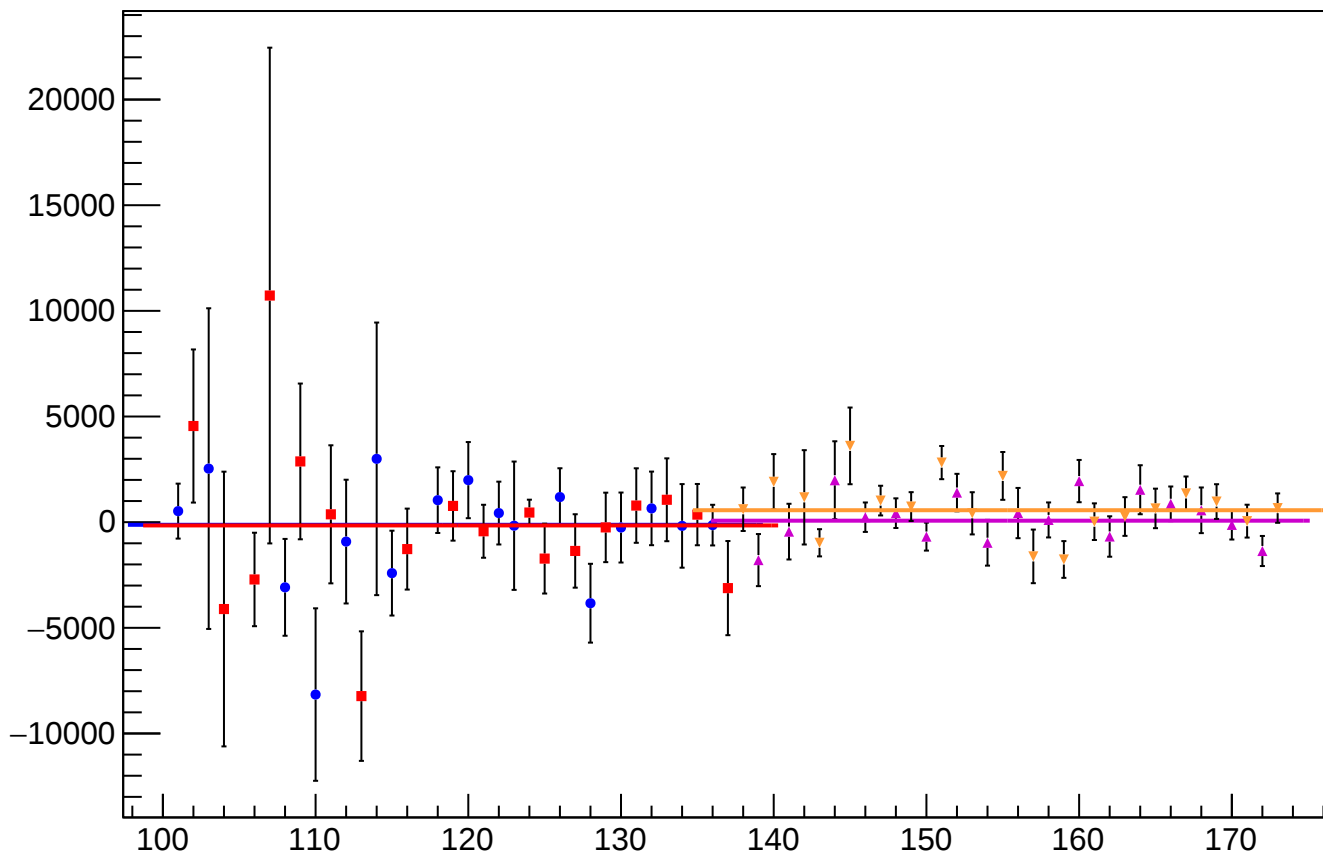
Right: 2654.027 $\pm$ 0.515 χ^2 /NDF: 853292.0/34

In: 2469.245 $\pm$ 0.392 χ^2 /NDF: 303146.1/33

Out: 2516.121 $\pm$ 0.389 χ^2 /NDF: 767443.7/36

All: 2492.888 $\pm$ 0.276 χ^2 /NDF: 1077802.6/70

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -124.472+/-430.760 χ^2/NDF : 14.7/16

Left Out: 565.610+/-202.470 χ^2/NDF : 32.8/18

Right Out: -154.579+/-380.922 χ^2/NDF : 17.6/17

Left In: 70.198+/-216.053 χ^2/NDF : 19.4/16

Left: 333.965+/-147.737 χ^2/NDF : 55.0/35

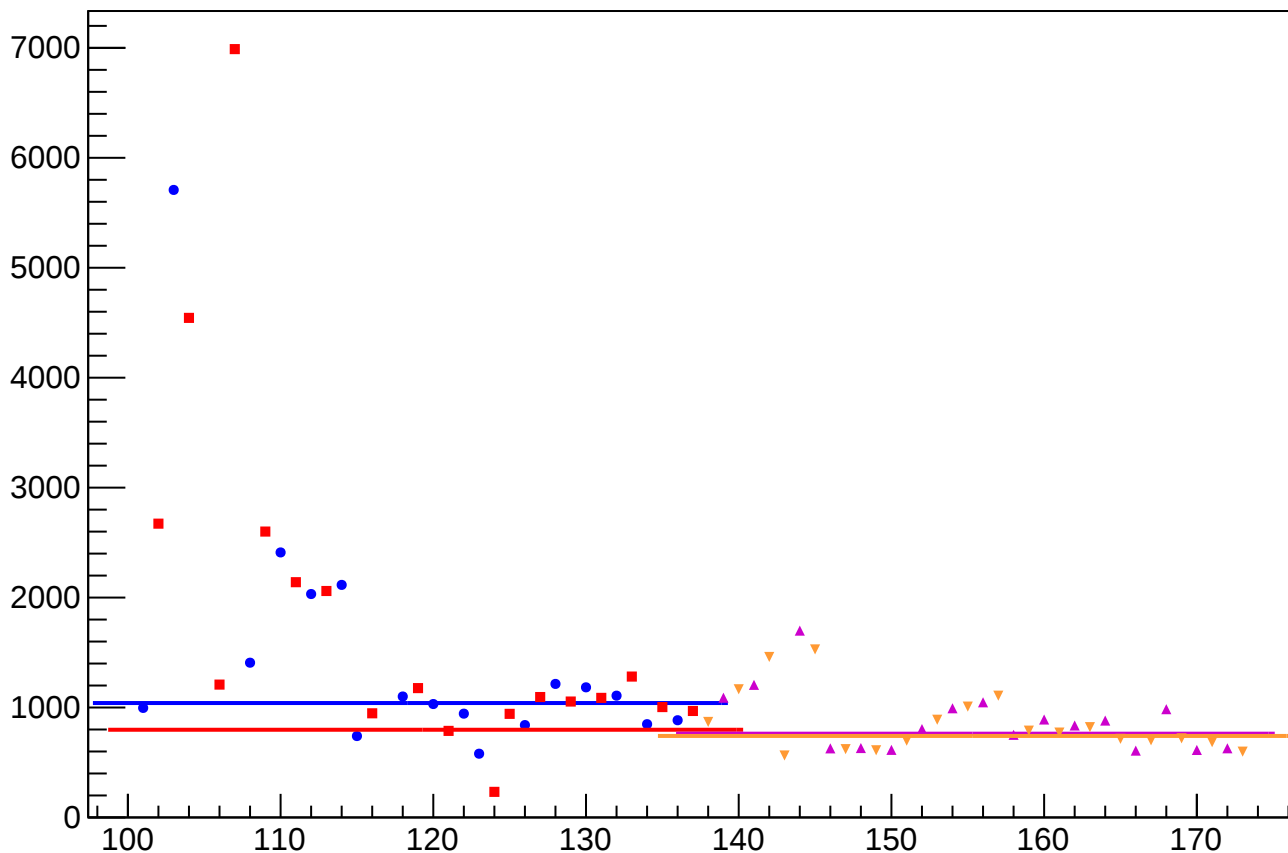
Right: -141.367+/-285.354 χ^2/NDF : 32.3/34

In: 31.069+/-193.123 χ^2/NDF : 34.3/33

Out: 406.963+/-178.784 χ^2/NDF : 53.2/36

All: 233.487+/-131.196 χ^2/NDF : 89.5/70

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 1040.760+/-0.305 χ^2/NDF : 1573034.8/16

Left Out: 741.389+/-0.143 χ^2/NDF : 1561588.8/18

Right Out: 797.732+/-0.269 χ^2/NDF : 5174332.0/17

Left In: 761.960+/-0.153 χ^2/NDF : 1720505.3/16

Left: 751.008+/-0.104 χ^2/NDF : 3291746.7/35

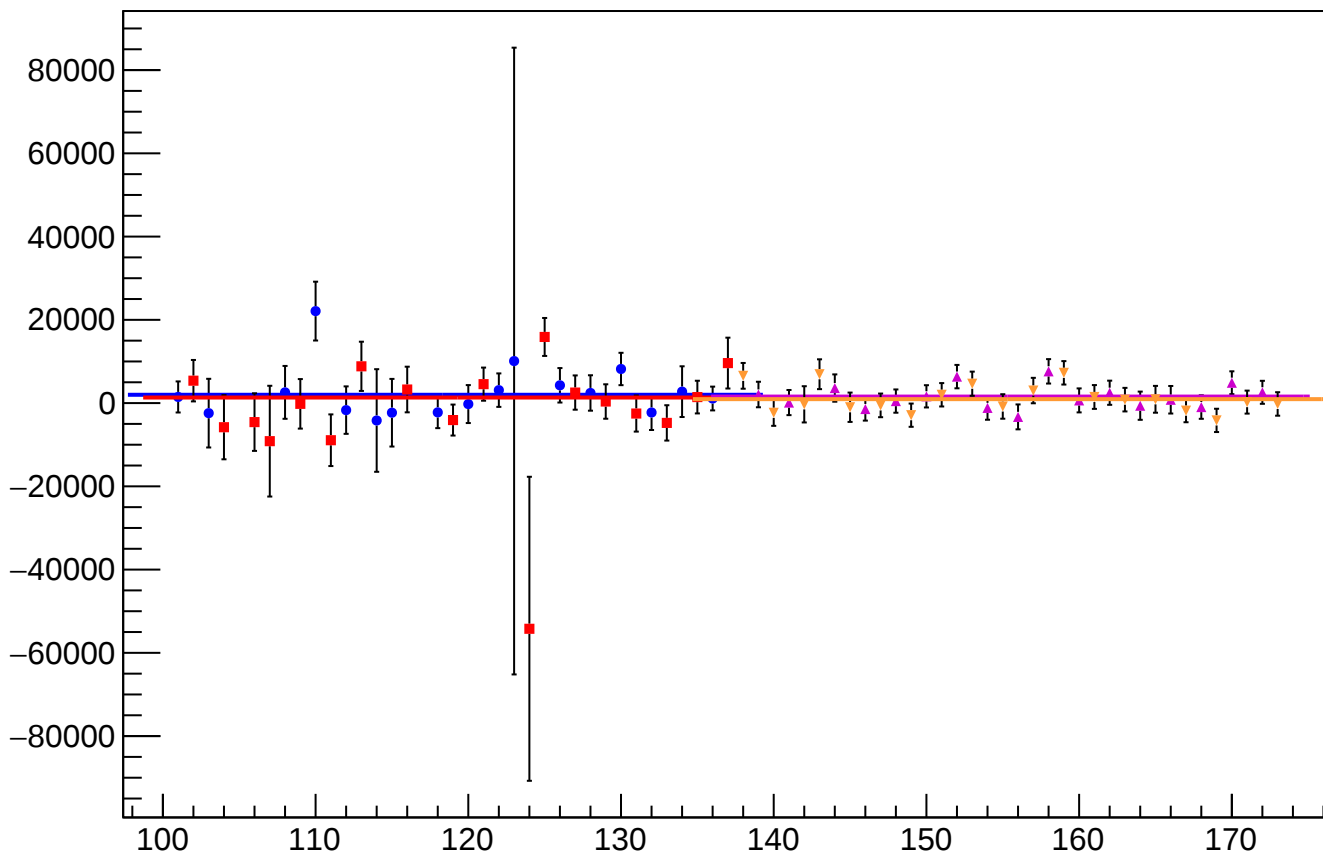
Right: 904.380+/-0.202 χ^2/NDF : 7104613.1/34

In: 817.999+/-0.137 χ^2/NDF : 3962950.0/33

Out: 753.801+/-0.126 χ^2/NDF : 6770037.0/36

All: 783.428+/-0.093 χ^2/NDF : 10851997.5/70

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1996.263+/-1155.054 χ^2 /NDF: 14.9/16

Left Out: 948.246+/-686.742 χ^2 /NDF:21.9/18

Right Out: 1336.627+/-1193.730 χ^2 /NDF: 27.5/17

Left In: 1564.840+/-708.770 χ^2 /NDF:15.8/16

Left: 1246.813+/-493.204 χ^2 /NDF: 38.1/35

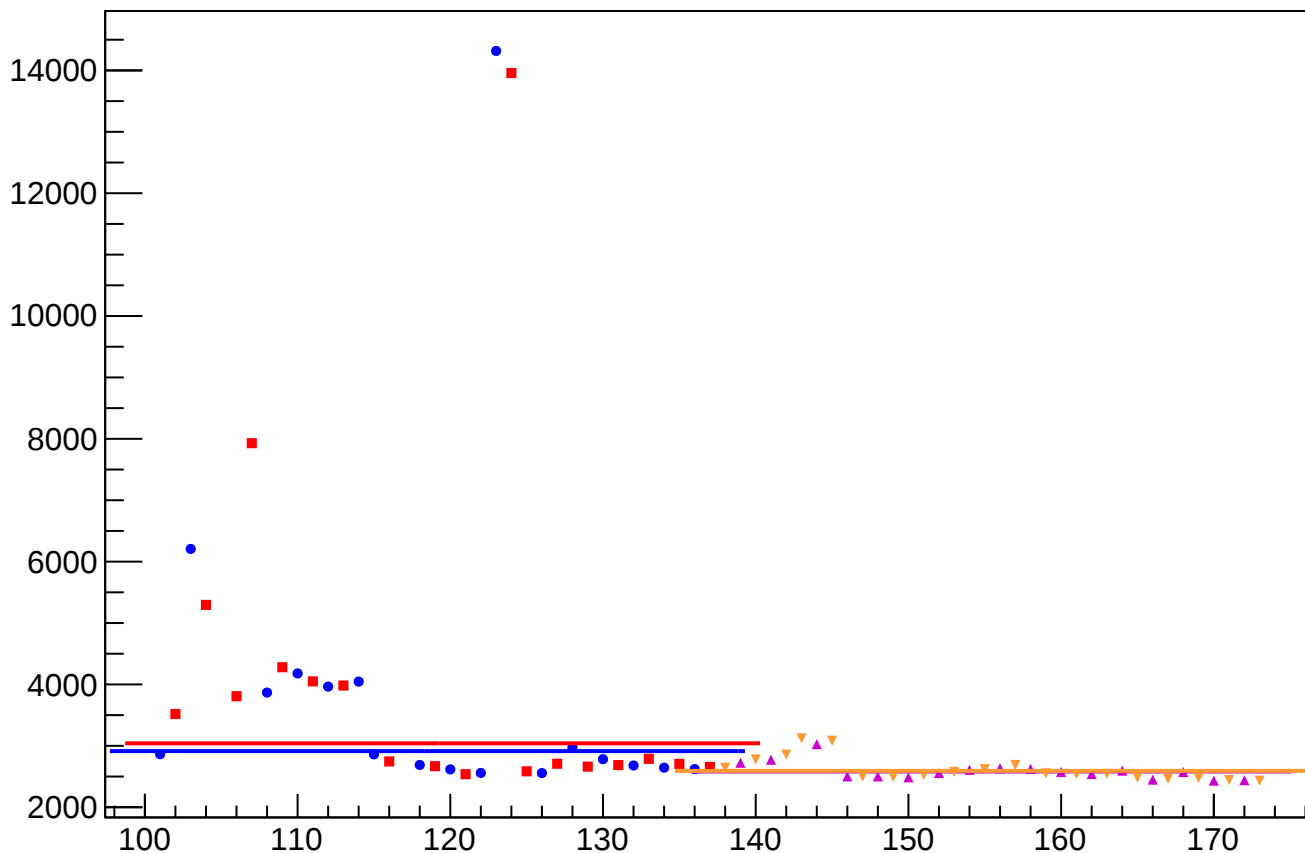
Right: 1677.304+/-830.083 χ^2 /NDF: 42.6/34

In: 1682.851+/-604.104 χ^2 /NDF:30.8/33

Out: 1044.822+/-595.266 χ^2 /NDF:49.5/36

All: 1359.135+/-424.007 χ^2 /NDF: 80.9/70

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2913.875+/-0.817 χ^2/NDF : 638984.6/16

Left Out: 2592.028+/-0.486 χ^2/NDF : 128896.2/18

Right Out: 3041.227+/-0.844 χ^2/NDF : 1003583.4/17

Left In: 2581.752+/-0.501 χ^2/NDF : 71344.5/16

Left: 2587.052+/-0.349 χ^2/NDF : 200457.5/35

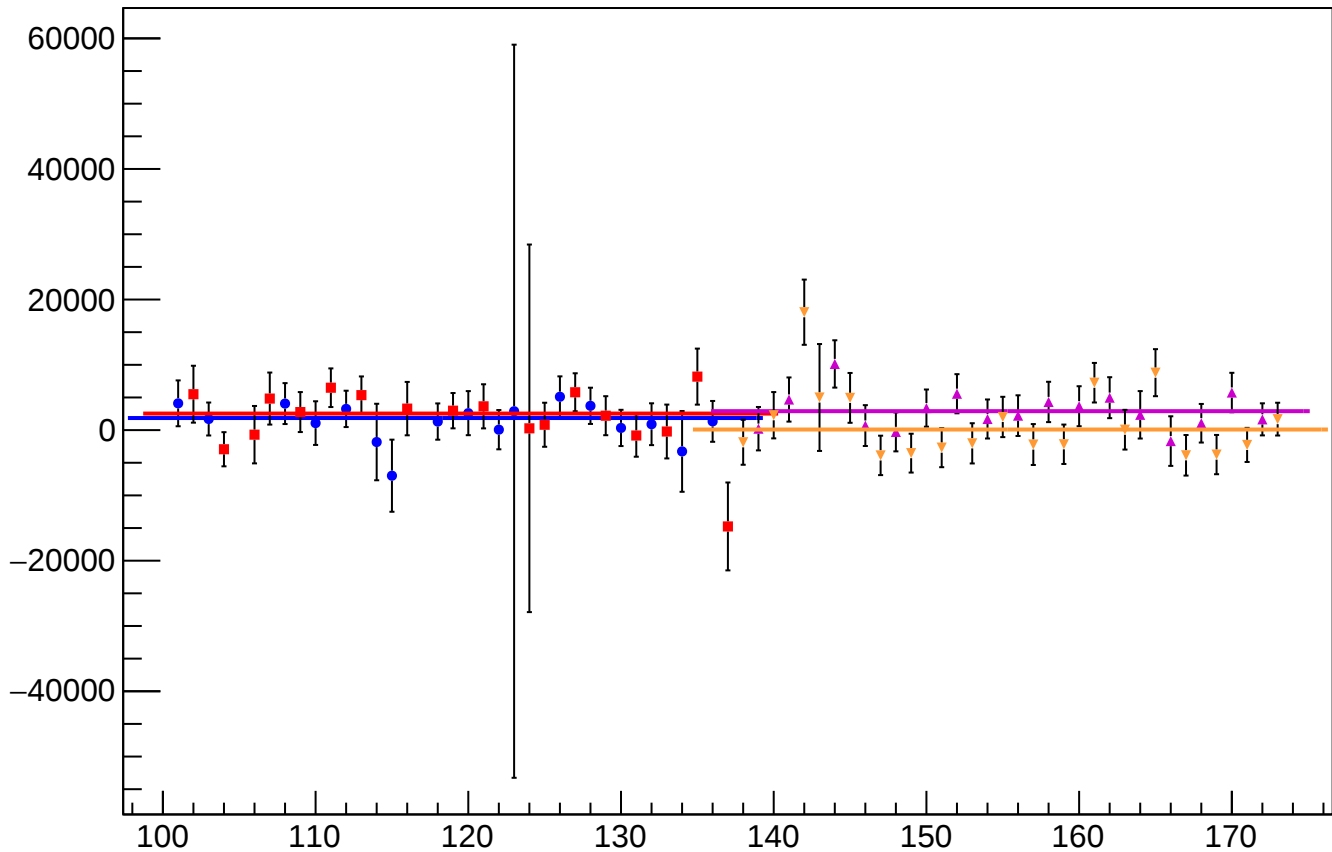
Right: 2975.455+/-0.587 χ^2/NDF : 1654324.2/34

In: 2672.600+/-0.427 χ^2/NDF : 830455.1/33

Out: 2703.727+/-0.421 χ^2/NDF : 1345259.5/36

All: 2688.393+/-0.300 χ^2/NDF : 2178408.7/70

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1850.093+/-806.760 χ^2/NDF : 7.3/16

Left Out: 92.458+/-733.911 χ^2/NDF :37.5/18

Right Out: 2535.163+/-819.322 χ^2/NDF : 20.0/17

Left In: 2903.410+/-752.512 χ^2/NDF :11.3/16

Left: 1462.763+/-525.407 χ^2/NDF : 56.0/35

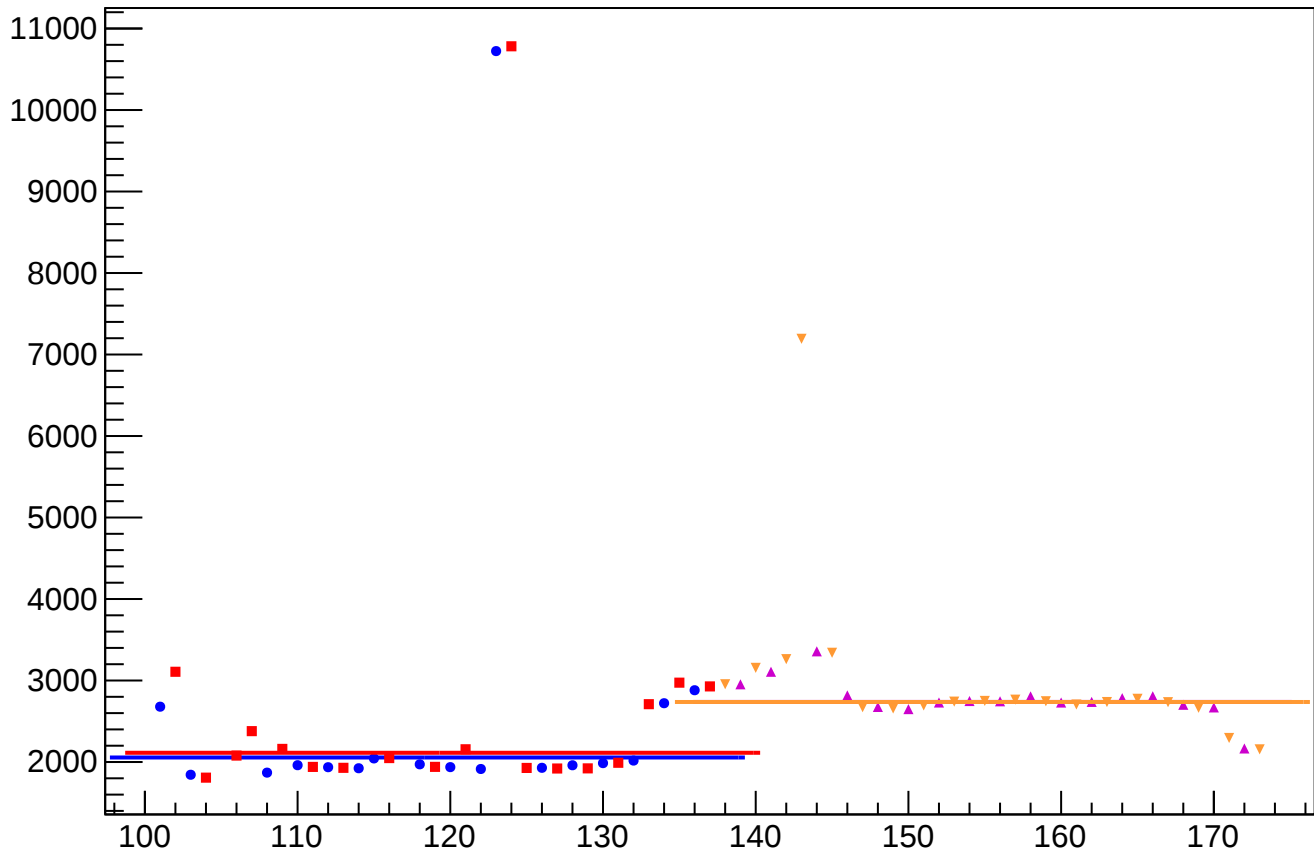
Right: 2187.336+/-574.855 χ^2/NDF : 27.6/34

In: 2413.352+/-550.286 χ^2/NDF :19.5/33

Out: 1179.893+/-546.664 χ^2/NDF :62.5/36

All: 1792.551+/-387.824 χ^2/NDF : 84.5/70

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2055.447 $\pm$ 0.570 χ^2/NDF : 316383.7/16

Left Out: 2736.578 $\pm$ 0.519 χ^2/NDF : 869539.4/18

Right Out: 2113.304 $\pm$ 0.578 χ^2/NDF : 532006.4/17

Left In: 2737.079 $\pm$ 0.532 χ^2/NDF : 206507.1/16

Left: 2736.822 $\pm$ 0.372 χ^2/NDF : 1076047.0/35

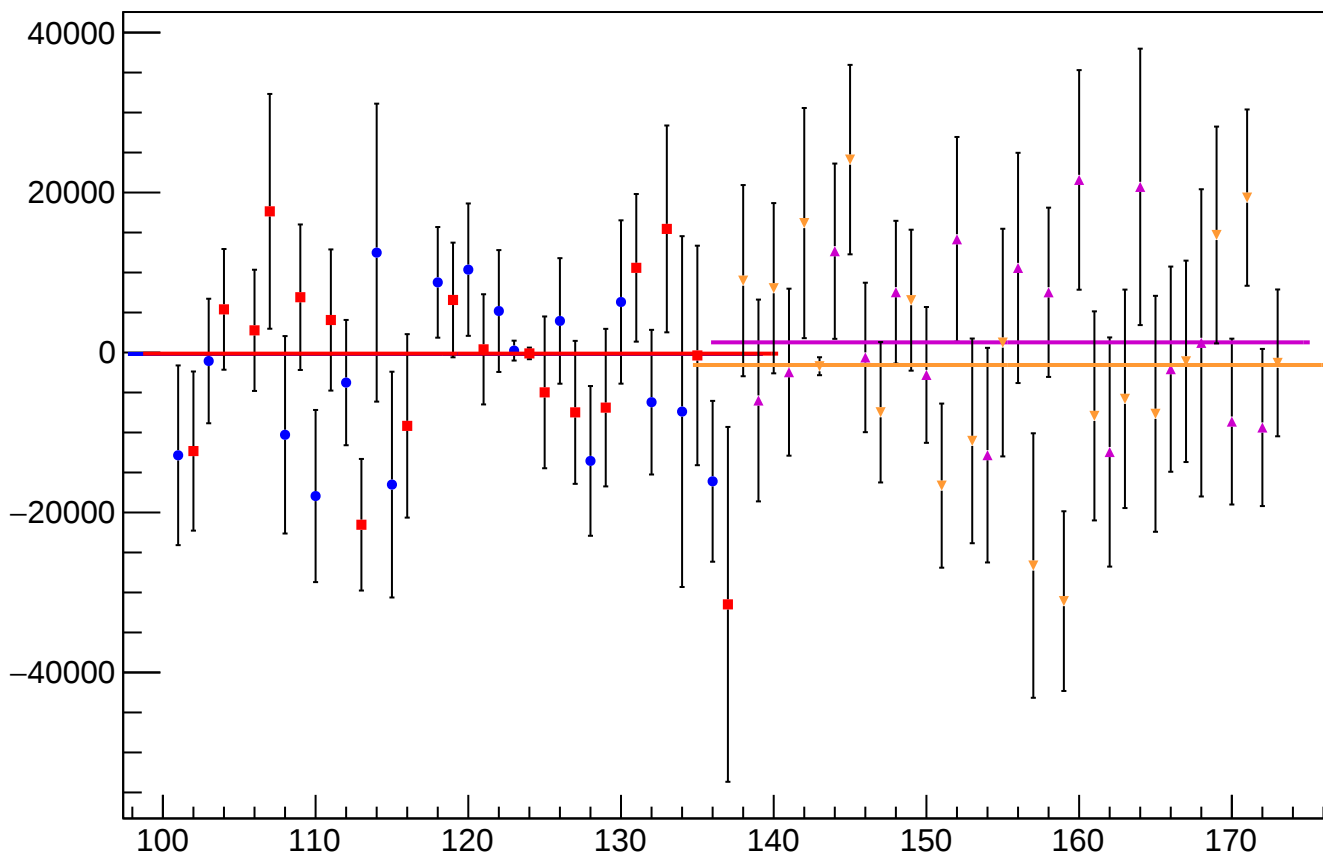
Right: 2083.972 $\pm$ 0.406 χ^2/NDF : 853461.4/34

In: 2419.948 $\pm$ 0.389 χ^2/NDF : 1286359.4/33

Out: 2458.648 $\pm$ 0.386 χ^2/NDF : 2044762.8/36

All: 2439.439 $\pm$ 0.274 χ^2/NDF : 3336104.2/70

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -185.246+/-1100.780 χ^2/NDF : 16.4/16

Left Out: -1560.771+/-1038.390 χ^2/NDF : 26.6/18

Right Out: -141.935+/-690.979 χ^2/NDF : 19.0/17

Left In: 1270.070+/-2783.235 χ^2/NDF : 11.7/16

Left: -1214.881+/-972.885 χ^2/NDF : 39.3/35

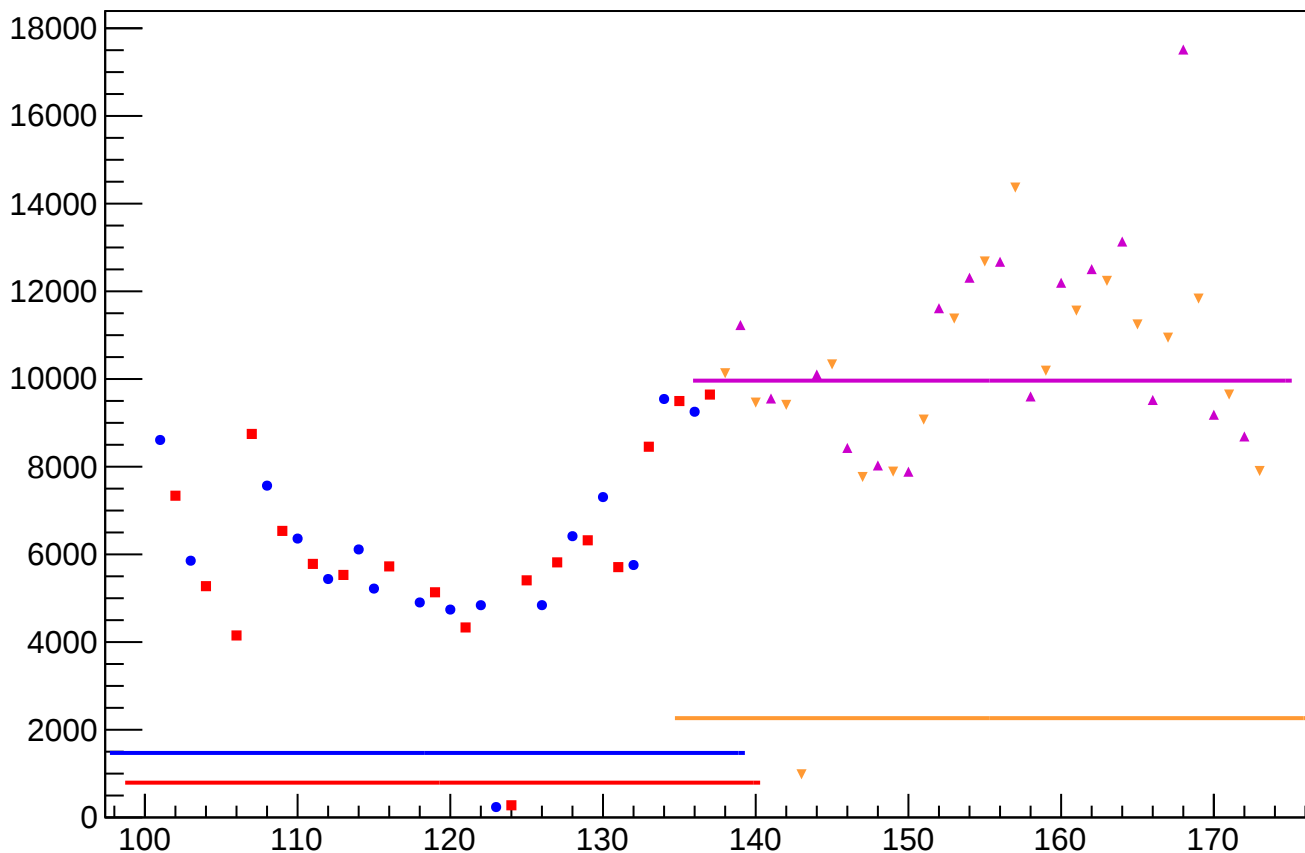
Right: -154.177+/-585.233 χ^2/NDF : 35.3/34

In: 11.607+/-1023.628 χ^2/NDF : 28.3/33

Out: -577.381+/-575.257 χ^2/NDF : 46.9/36

All: -436.014+/-501.491 χ^2/NDF : 75.5/70

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1471.609 $\pm$ 0.778 χ^2 /NDF: 9788255.4/16

Left Out: 2265.005 $\pm$ 0.734 χ^2 /NDF: 18861255.0/18

Right Out: 793.659 $\pm$ 0.489 χ^2 /NDF: 11422584.5/17

Left In: 9962.888 $\pm$ 1.968 χ^2 /NDF: 998998.0/16

Left: 3205.583 $\pm$ 0.688 χ^2 /NDF: 33290226.7/35

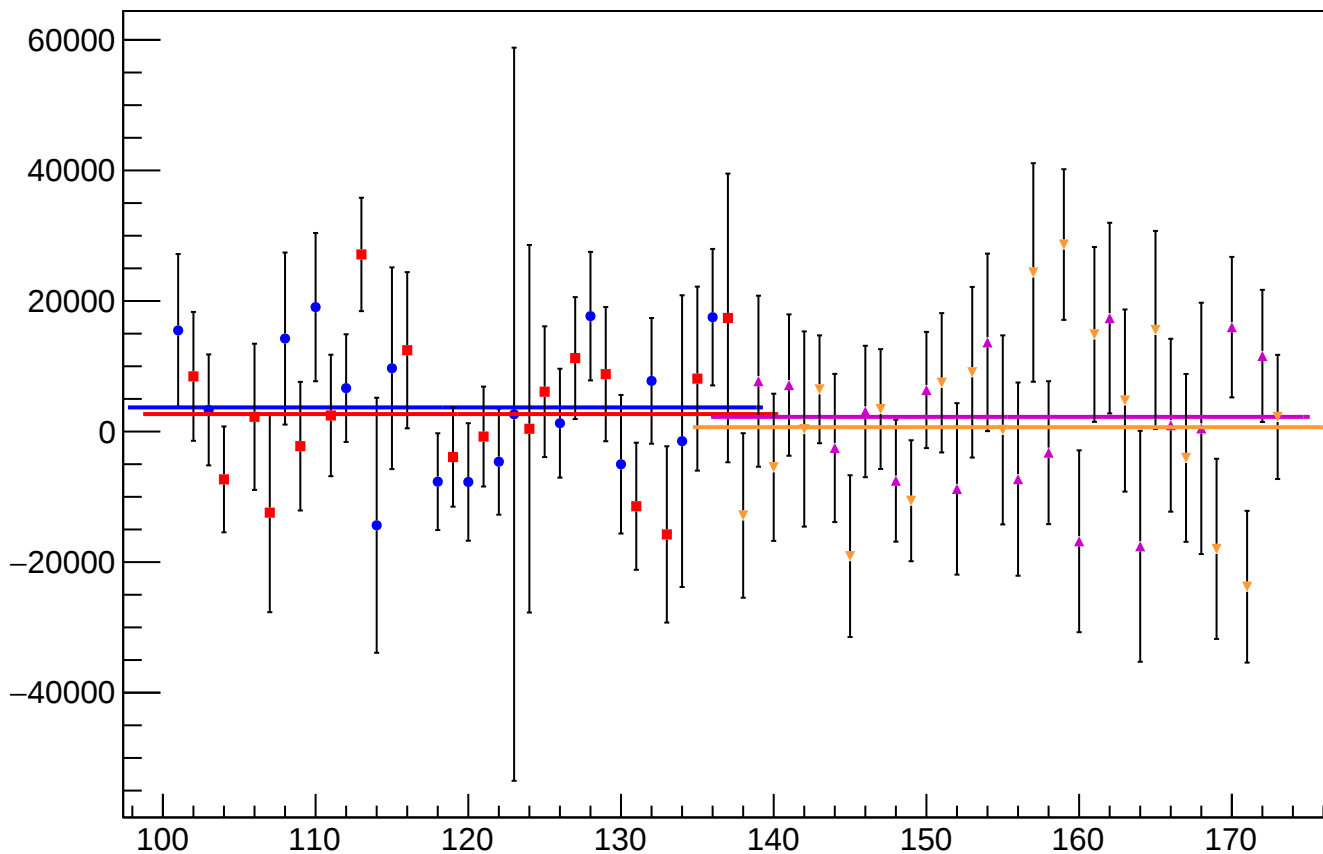
Right: 985.285 $\pm$ 0.414 χ^2 /NDF: 21755031.4/34

In: 2620.179 $\pm$ 0.724 χ^2 /NDF: 26884804.4/33

Out: 1245.221 $\pm$ 0.407 χ^2 /NDF: 33066962.2/36

All: 1575.235 $\pm$ 0.355 χ^2 /NDF: 62694148.3/71

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3698.440 $\pm$ 2517.949 χ^2 /NDF: 14.4/16

Left Out: 669.571 $\pm$ 2685.972 χ^2 /NDF: 23.3/18

Right Out: 2679.483 $\pm$ 2428.648 χ^2 /NDF: 18.5/17

Left In: 2249.525 $\pm$ 2886.405 χ^2 /NDF: 10.6/16

Left: 1402.792 $\pm$ 1966.312 χ^2 /NDF: 34.1/35

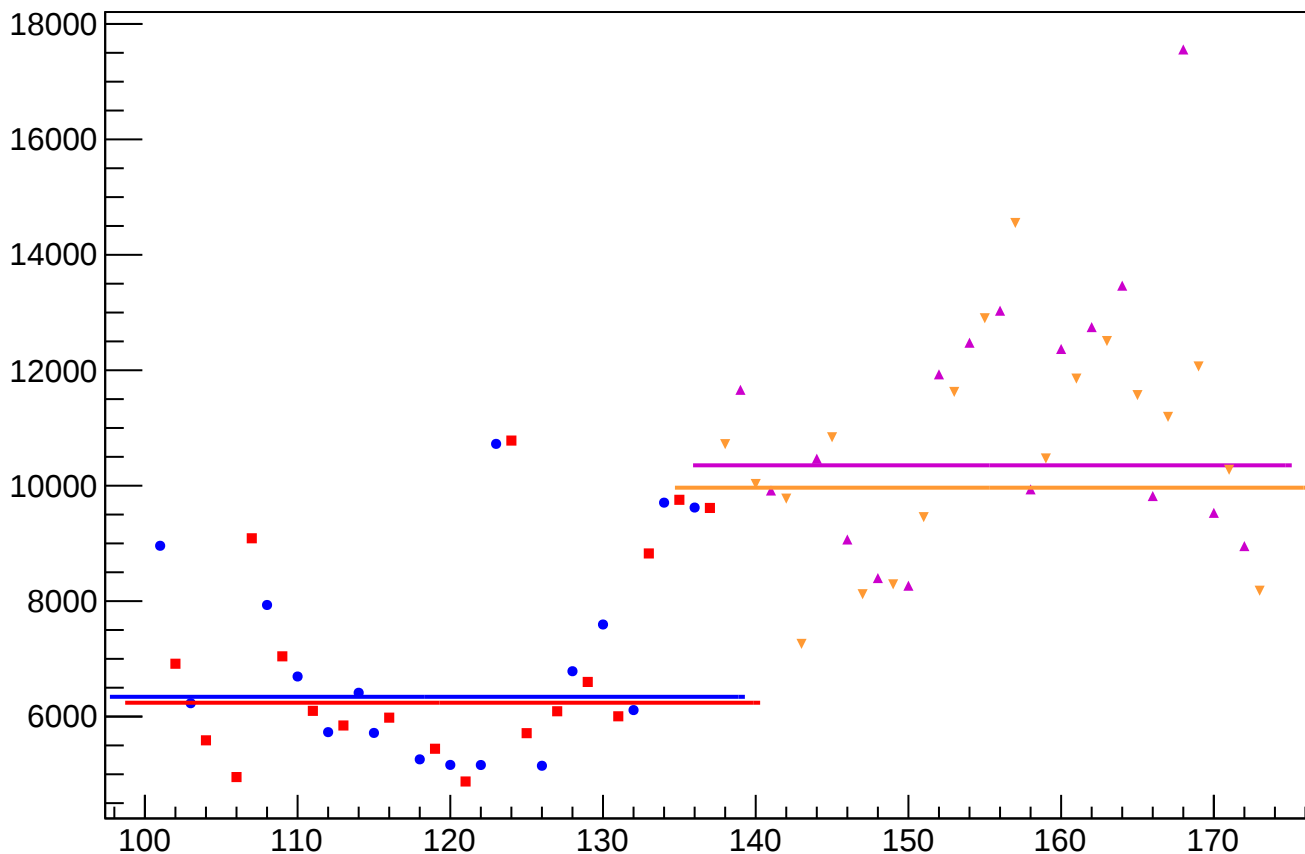
Right: 3170.572 $\pm$ 1748.031 χ^2 /NDF: 33.0/34

In: 3072.309 $\pm$ 1897.442 χ^2 /NDF: 25.2/33

Out: 1775.393 $\pm$ 1801.436 χ^2 /NDF: 42.2/36

All: 2390.212 $\pm$ 1306.430 χ^2 /NDF: 67.6/70

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6342.327+/-1.780 χ^2/NDF : 593668.9/16

Left Out: 9965.433+/-1.899 χ^2/NDF : 916221.9/18

Right Out: 6239.726+/-1.717 χ^2/NDF : 529243.7/17

Left In: 10352.937+/-2.041 χ^2/NDF : 890230.3/16

Left: 10145.264+/-1.390 χ^2/NDF : 1825770.5/35

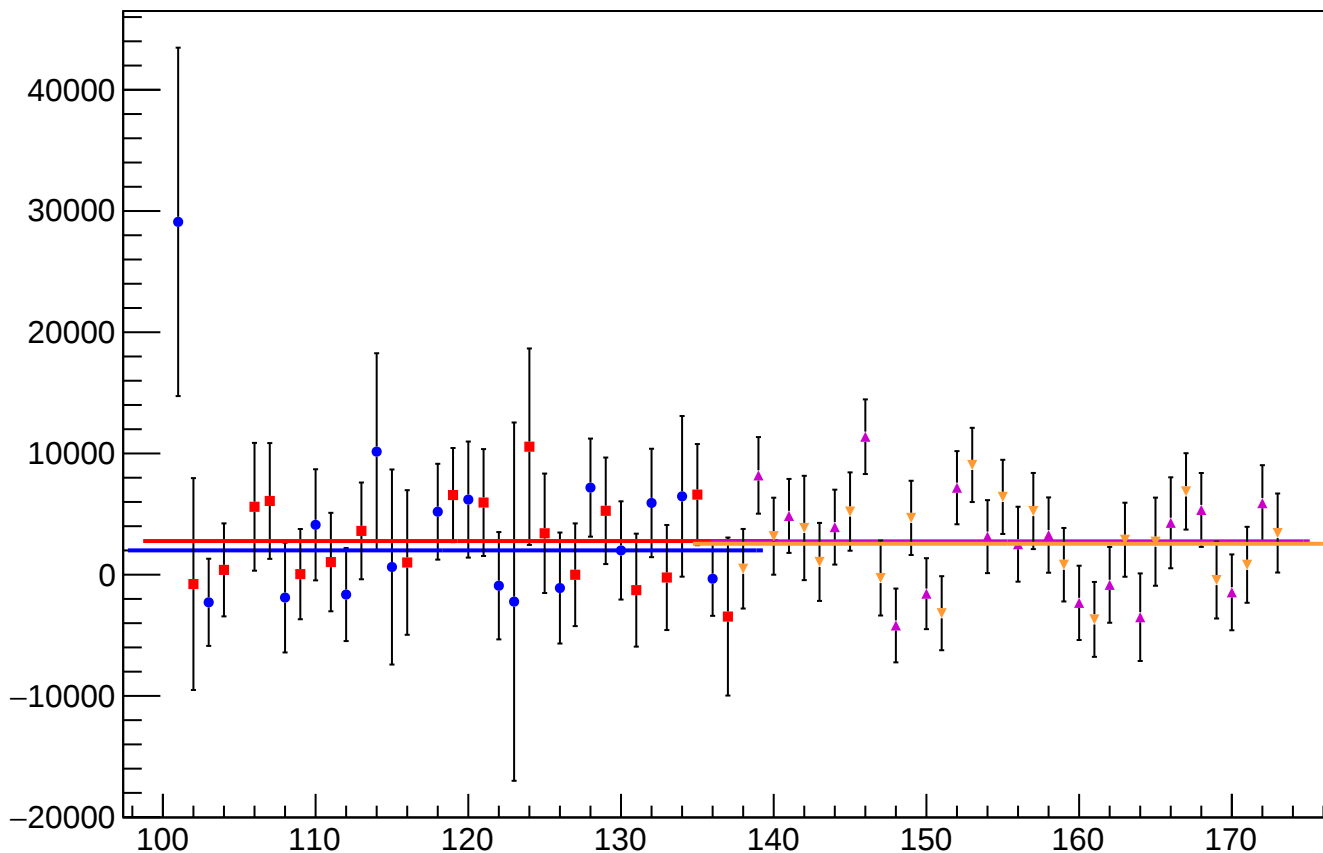
Right: 6289.173+/-1.236 χ^2/NDF : 1124633.0/34

In: 8075.454+/-1.342 χ^2/NDF : 3676608.2/33

Out: 7915.521+/-1.274 χ^2/NDF : 3562708.9/36

All: 7991.337+/-0.924 χ^2/NDF : 7246790.4/70

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2004.589 $\pm$ 1125.432 χ^2/NDF : 13.7/16

Left Out: 2551.432 $\pm$ 732.349 χ^2/NDF : 20.7/18

Right Out: 2776.042 $\pm$ 1086.812 χ^2/NDF : 8.3/17

Left In: 2751.315 $\pm$ 758.309 χ^2/NDF : 31.8/16

Left: 2647.894 $\pm$ 526.788 χ^2/NDF : 52.5/35

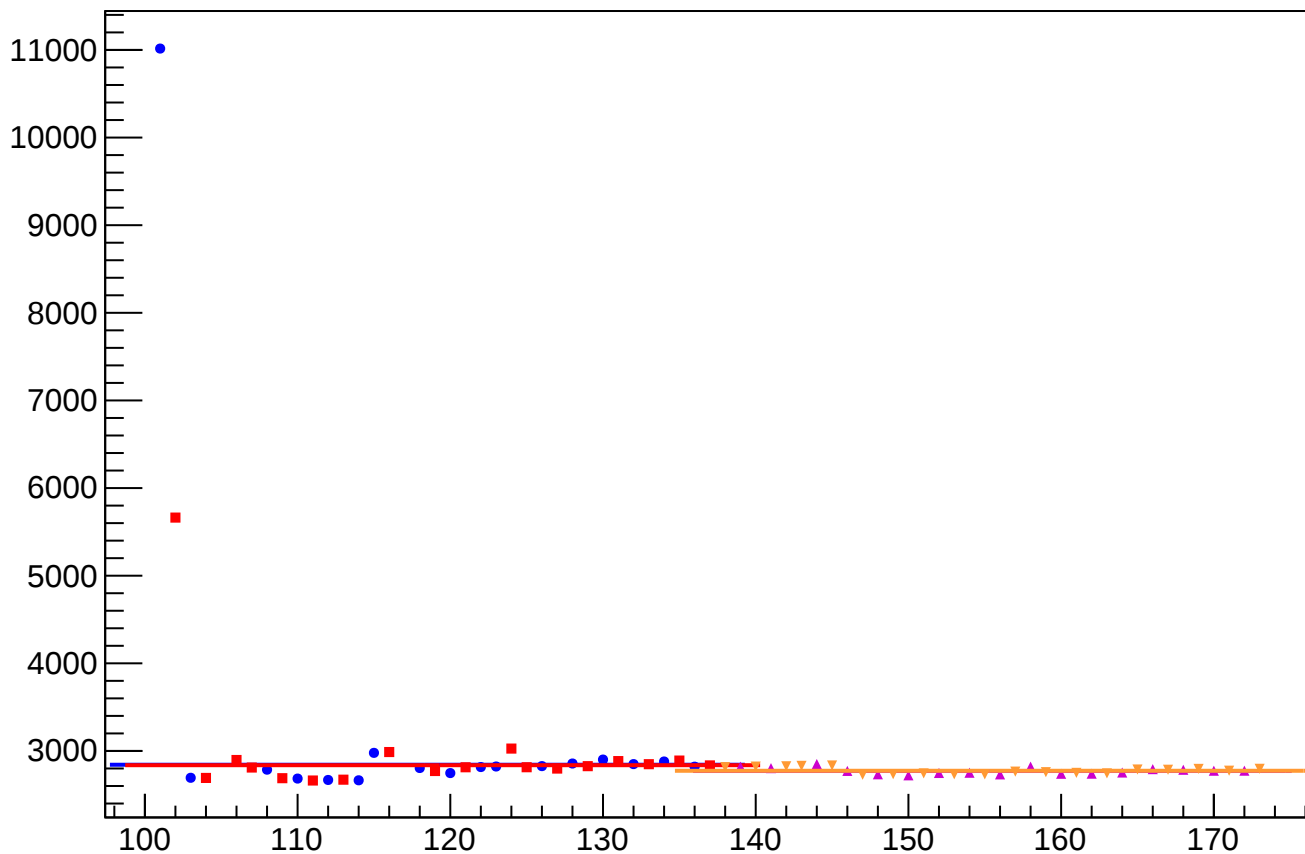
Right: 2403.779 $\pm$ 781.789 χ^2/NDF : 22.3/34

In: 2518.157 $\pm$ 628.875 χ^2/NDF : 45.8/33

Out: 2621.573 $\pm$ 607.330 χ^2/NDF : 29.0/36

All: 2571.667 $\pm$ 436.865 χ^2/NDF : 74.8/70

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2842.628+/-0.796 χ^2/NDF : 660305.1/16

Left Out: 2773.800+/-0.518 χ^2/NDF : 4664.5/18

Right Out: 2837.439+/-0.768 χ^2/NDF : 226421.9/17

Left In: 2771.016+/-0.536 χ^2/NDF : 4514.4/16

Left: 2772.456+/-0.372 χ^2/NDF : 9192.9/35

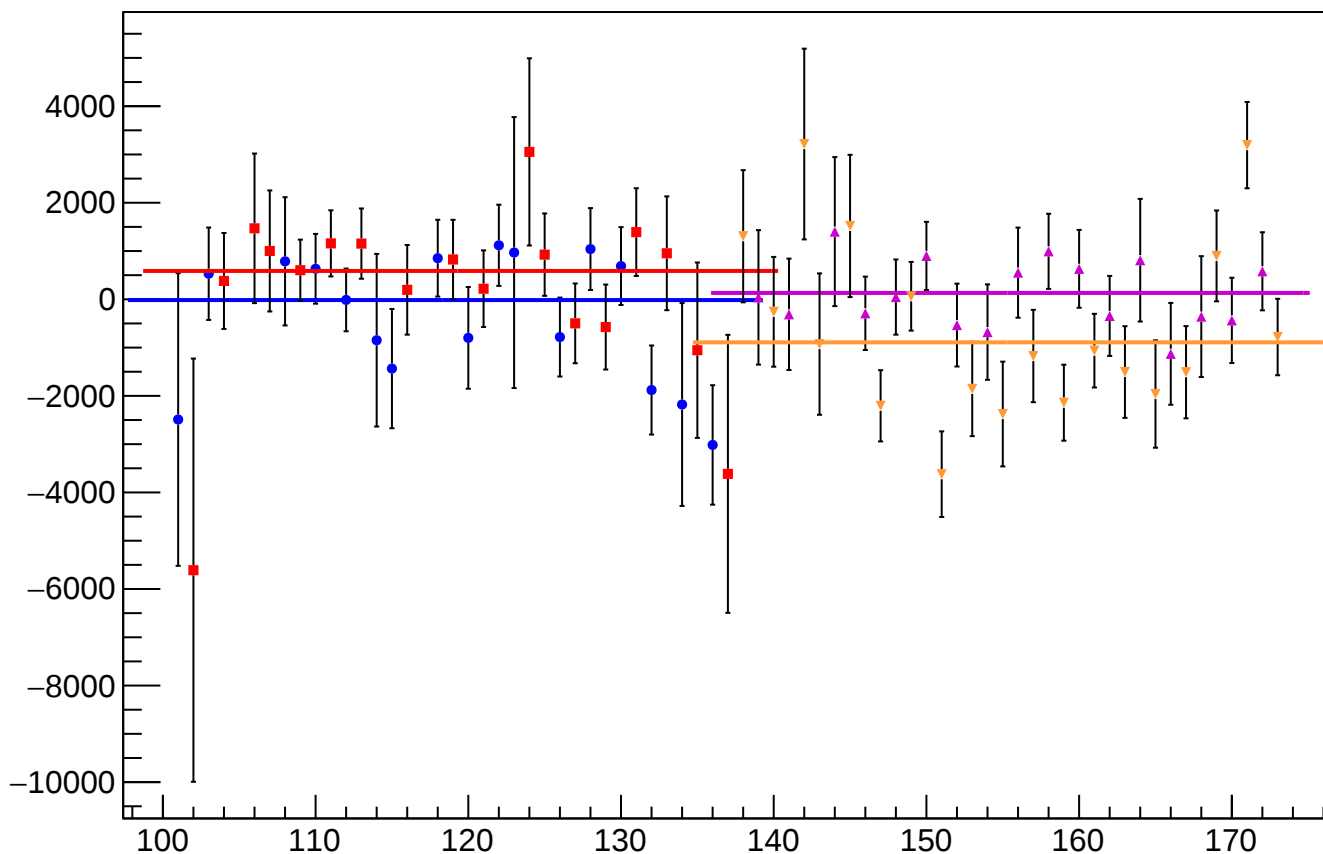
Right: 2839.943+/-0.553 χ^2/NDF : 886749.0/34

In: 2793.376+/-0.445 χ^2/NDF : 670388.9/33

Out: 2793.673+/-0.429 χ^2/NDF : 235802.5/36

All: 2793.530+/-0.309 χ^2/NDF : 906191.6/70

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -15.631 $\pm$ 238.862 χ^2/NDF : 21.6/16

Left Out: -891.261 $\pm$ 218.793 χ^2/NDF :56.1/18

Right Out: 587.609 $\pm$ 225.811 χ^2/NDF : 13.3/17

Left In: 131.936 $\pm$ 222.395 χ^2/NDF :8.3/16

Left: -388.014 $\pm$ 155.968 χ^2/NDF : 75.2/35

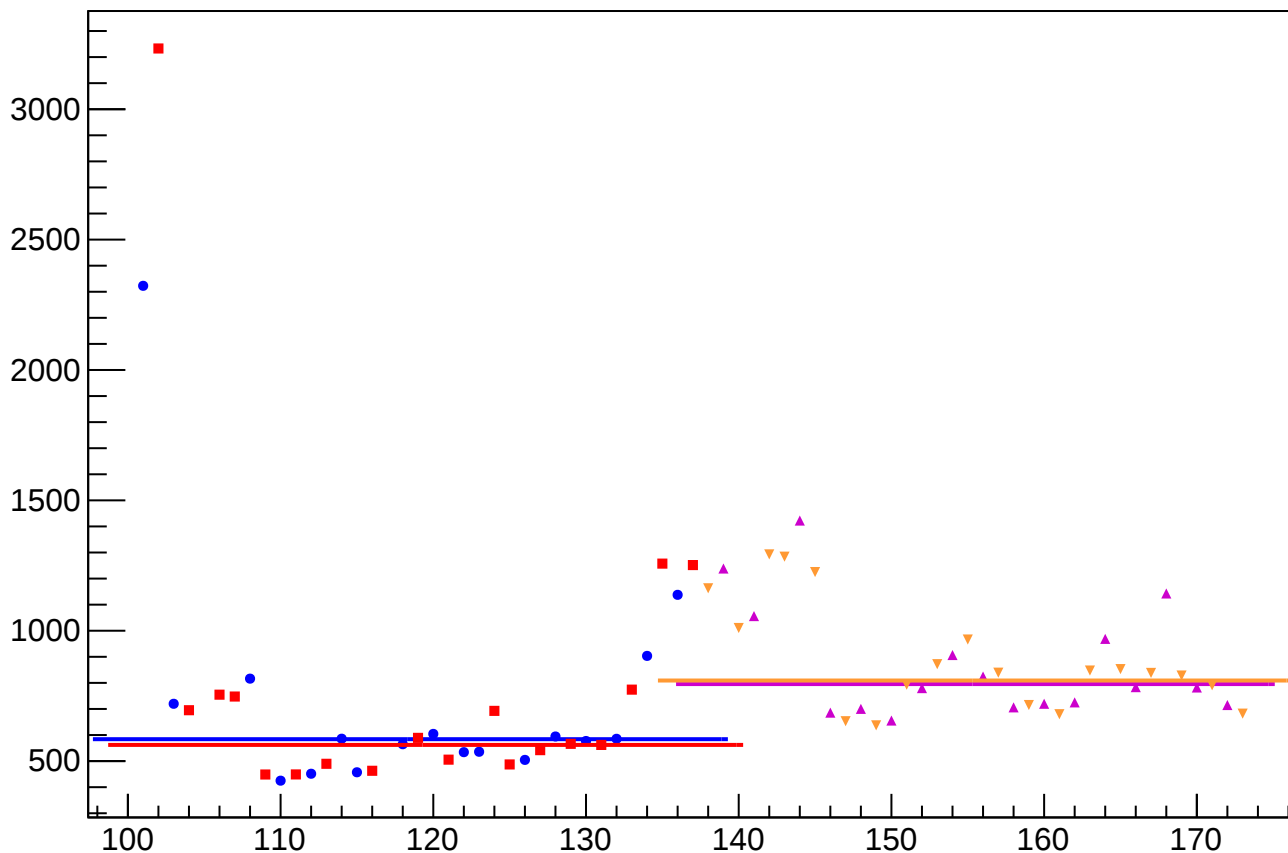
Right: 302.919 $\pm$ 164.093 χ^2/NDF : 38.3/34

In: 63.414 $\pm$ 162.767 χ^2/NDF :30.1/33

Out: -175.164 $\pm$ 157.133 χ^2/NDF :91.6/36

All: -60.076 $\pm$ 113.049 χ^2/NDF : 122.9/70

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 584.055+/-0.169 χ^2/NDF : 1436613.4/16

Left Out: 809.060+/-0.155 χ^2/NDF : 1092661.7/18

Right Out: 562.122+/-0.160 χ^2/NDF : 1525298.9/17

Left In: 795.434+/-0.157 χ^2/NDF : 1082827.2/16

Left: 802.359+/-0.110 χ^2/NDF : 2179304.2/35

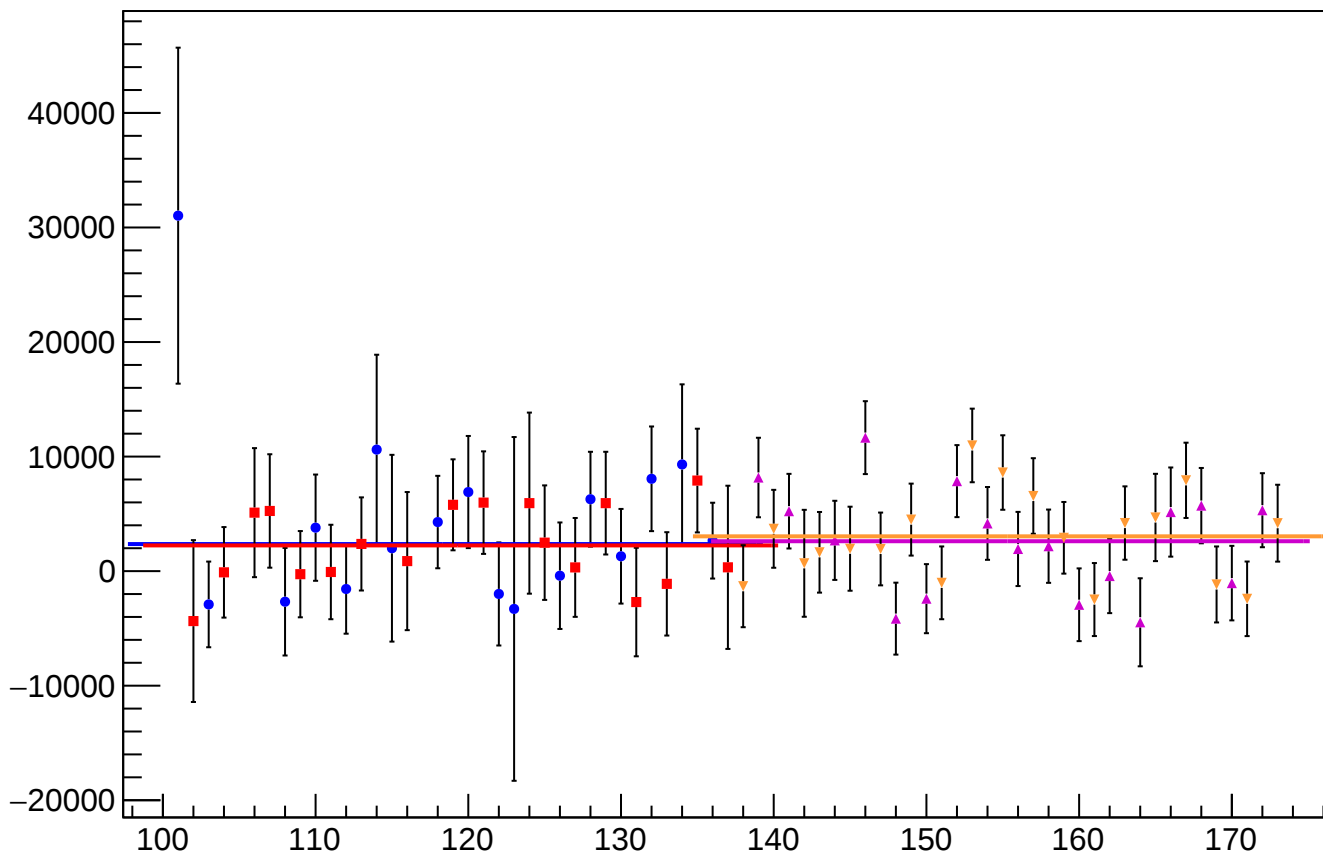
Right: 572.473+/-0.116 χ^2/NDF : 2970817.1/34

In: 697.282+/-0.115 χ^2/NDF : 3358408.1/33

Out: 689.488+/-0.111 χ^2/NDF : 3851582.7/36

All: 693.248+/-0.080 χ^2/NDF : 7212364.3/70

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2362.798+/-1159.943 χ^2/NDF : 15.1/16

Left Out: 3037.712+/-771.025 χ^2/NDF : 24.2/18

Right Out: 2245.410+/-1111.935 χ^2/NDF : 8.5/17

Left In: 2610.643+/-796.674 χ^2/NDF : 32.4/16

Left: 2831.163+/-554.043 χ^2/NDF : 56.8/35

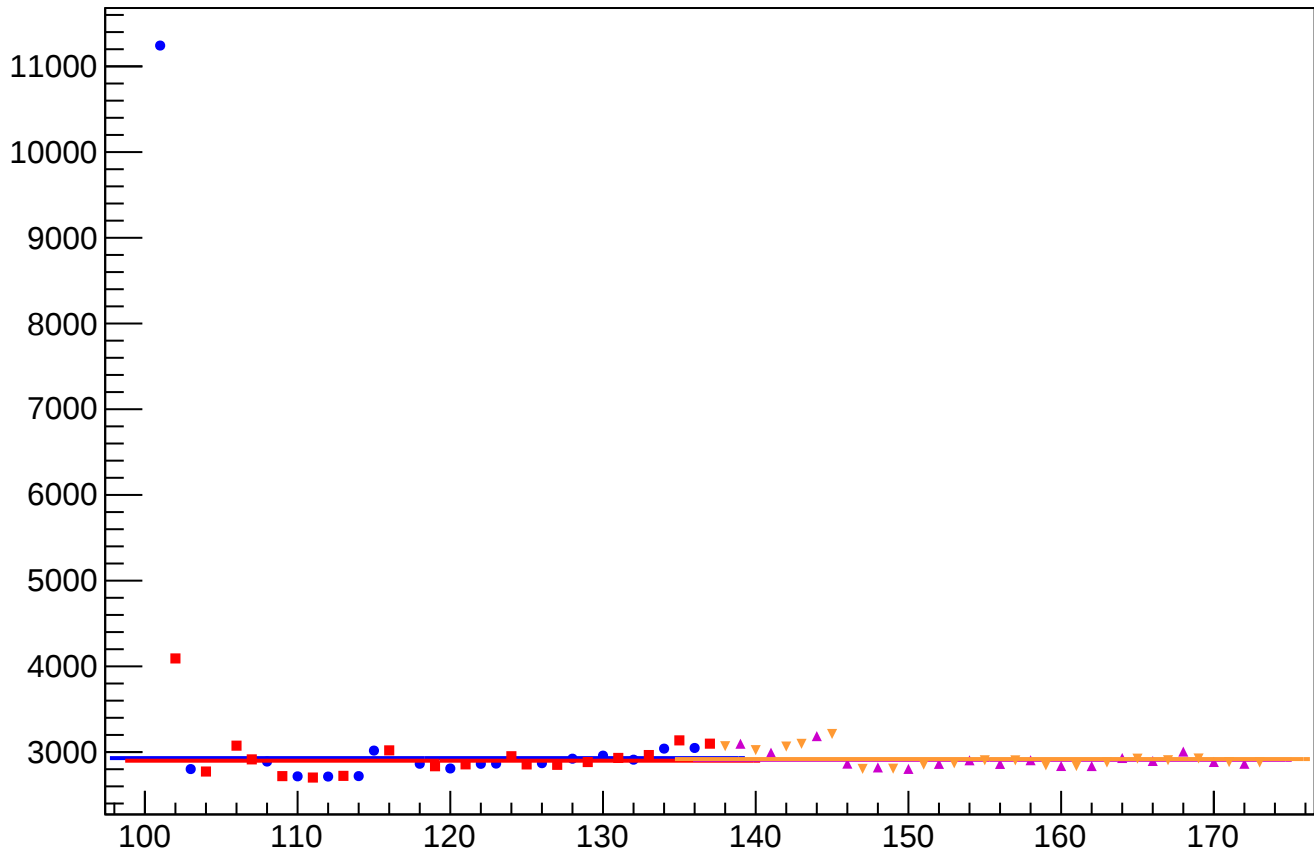
Right: 2301.625+/-802.692 χ^2/NDF : 23.6/34

In: 2531.203+/-656.700 χ^2/NDF : 47.5/33

Out: 2780.455+/-633.604 χ^2/NDF : 33.1/36

All: 2660.289+/-455.972 χ^2/NDF : 80.7/70

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2929.654+/-0.820 χ^2/NDF : 662629.0/16

Left Out: 2918.406+/-0.545 χ^2/NDF : 35025.7/18

Right Out: 2899.431+/-0.786 χ^2/NDF : 83543.1/17

Left In: 2909.762+/-0.563 χ^2/NDF : 29654.1/16

Left: 2914.225+/-0.392 χ^2/NDF : 64801.4/35

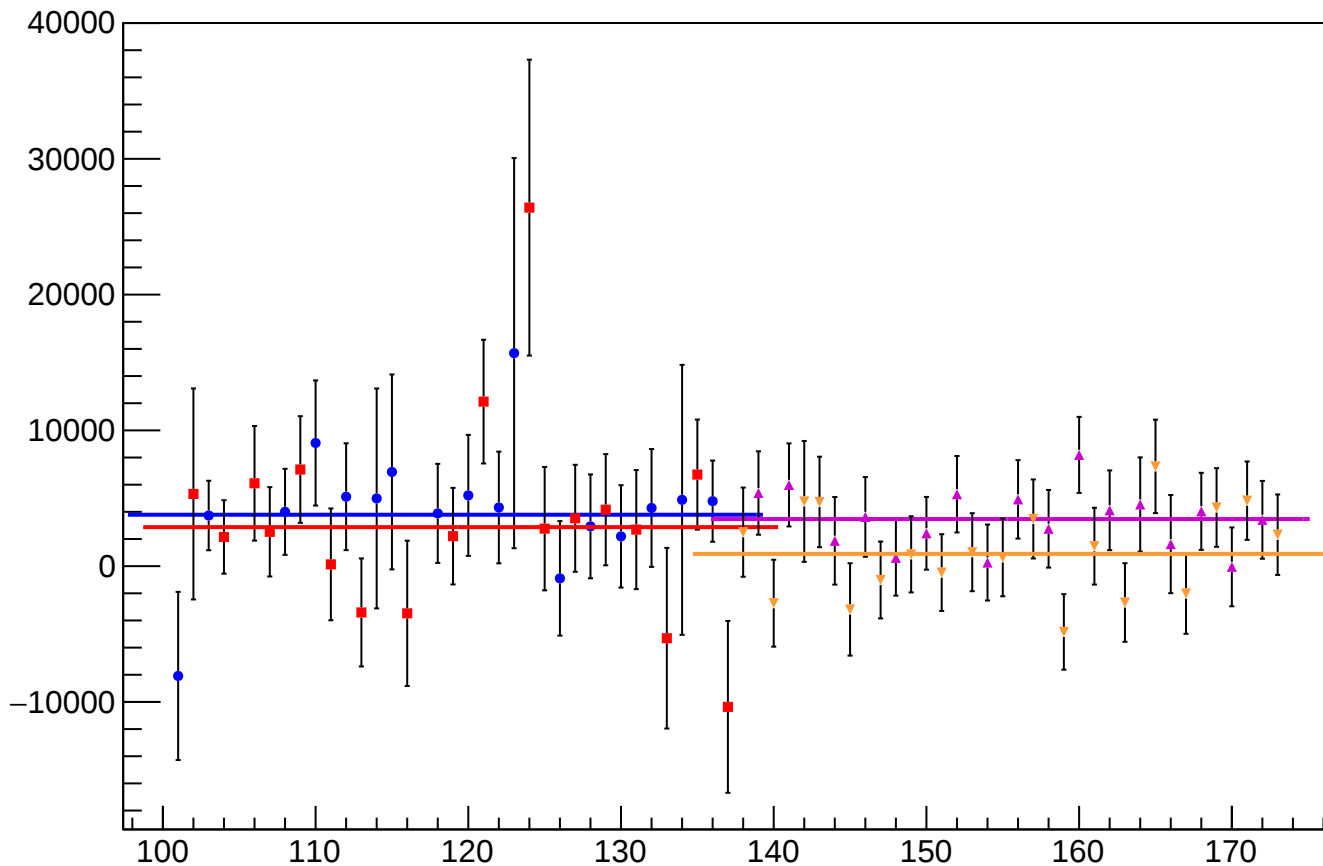
Right: 2913.904+/-0.568 χ^2/NDF : 746879.7/34

In: 2916.138+/-0.464 χ^2/NDF : 692682.8/33

Out: 2912.245+/-0.448 χ^2/NDF : 118962.1/36

All: 2914.122+/-0.322 χ^2/NDF : 811681.3/70

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3787.840+/-1008.120 χ^2/NDF : 7.7/16

Left Out: 905.271+/-693.434 χ^2/NDF : 20.3/18

Right Out: 2874.691+/-1004.077 χ^2/NDF : 22.0/17

Left In: 3469.512+/-714.799 χ^2/NDF : 9.3/16

Left: 2148.497+/-497.713 χ^2/NDF : 36.3/35

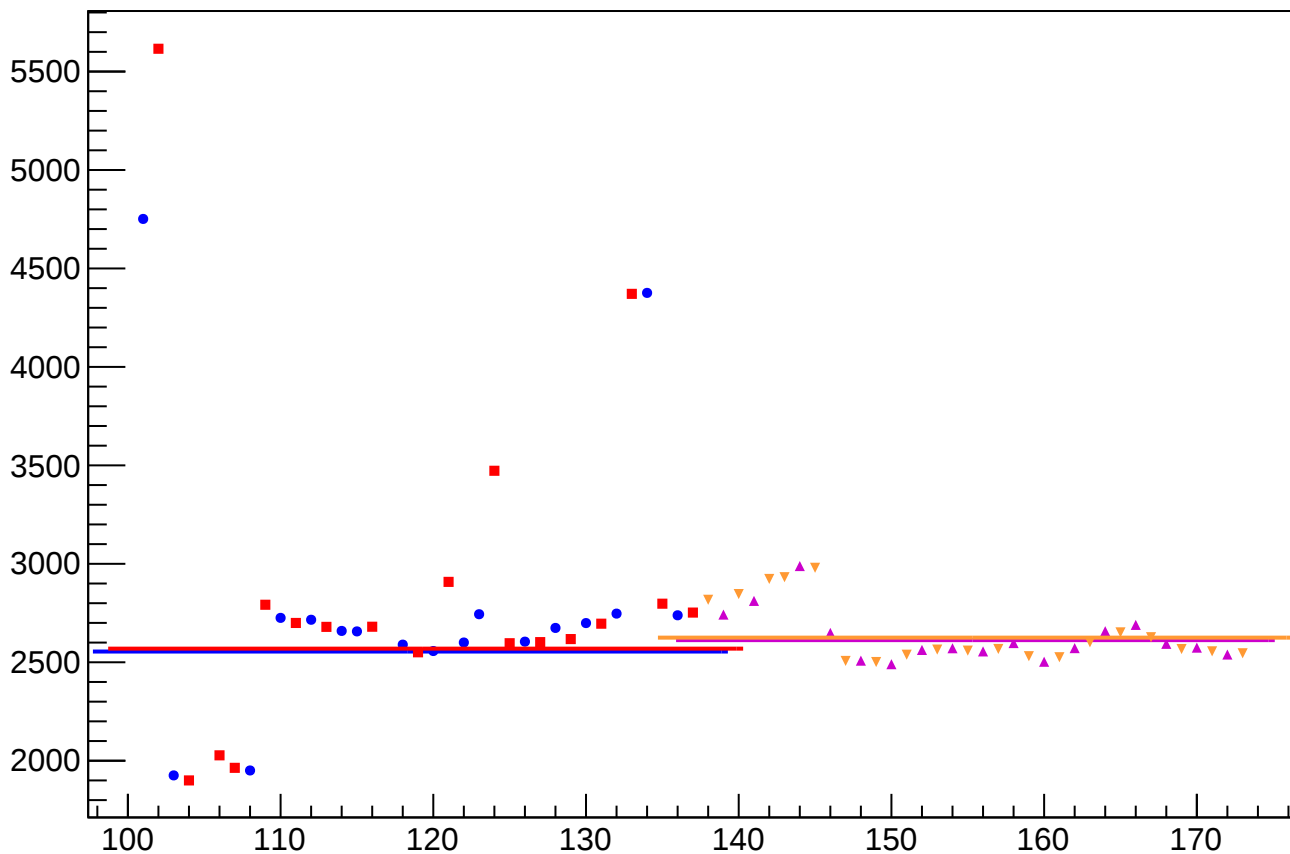
Right: 3329.431+/-711.415 χ^2/NDF : 30.2/34

In: 3576.009+/-583.098 χ^2/NDF : 17.1/33

Out: 1541.256+/-570.587 χ^2/NDF : 44.9/36

All: 2536.568+/-407.817 χ^2/NDF : 68.3/70

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2554.537 $\pm$ 0.713 χ^2 /NDF: 536626.0/16

Left Out: 2625.136 $\pm$ 0.490 χ^2 /NDF: 84520.6/18

Right Out: 2569.256 $\pm$ 0.710 χ^2 /NDF: 723332.1/17

Left In: 2612.480 $\pm$ 0.505 χ^2 /NDF: 54879.1/16

Left: 2619.000 $\pm$ 0.352 χ^2 /NDF: 139722.6/35

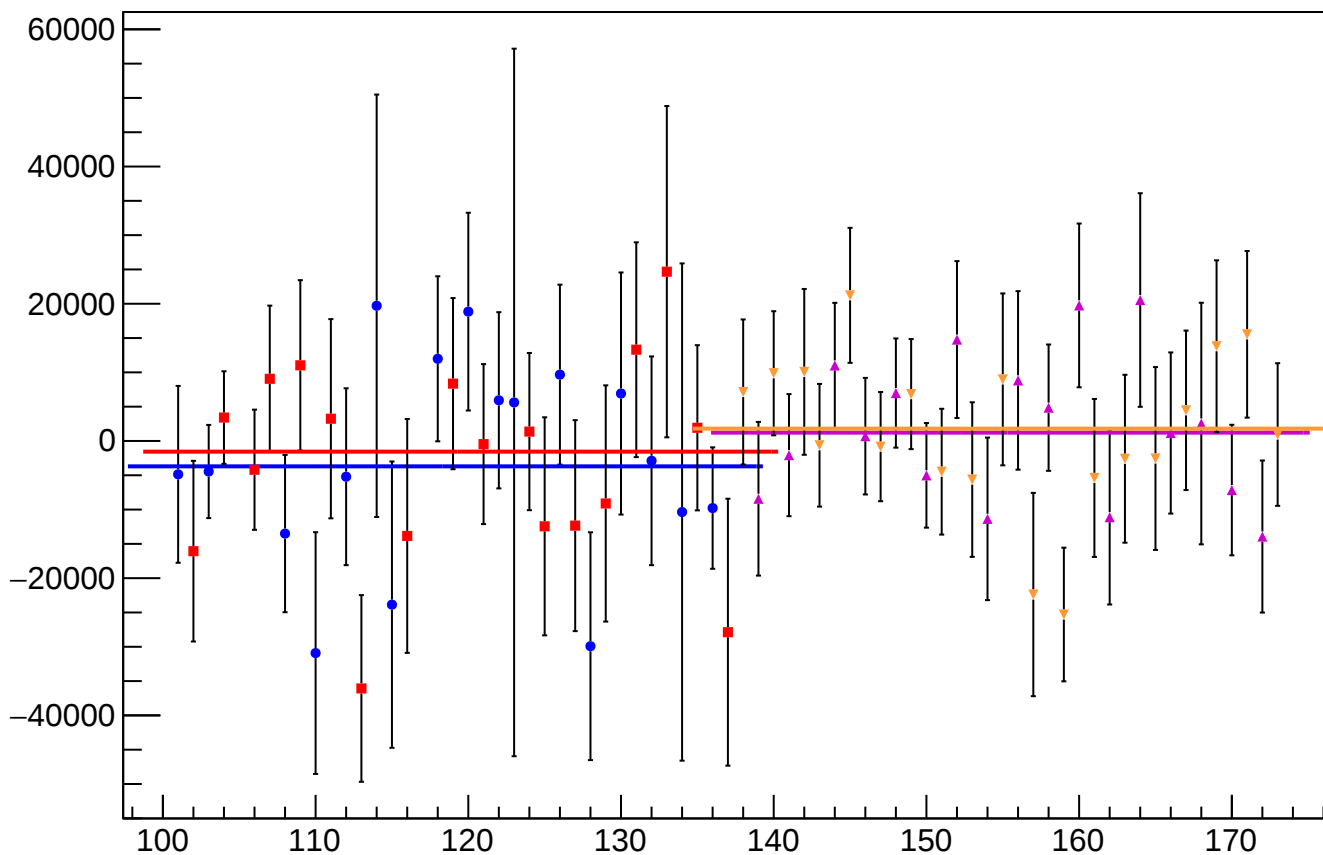
Right: 2561.929 $\pm$ 0.503 χ^2 /NDF: 1260172.2/34

In: 2593.095 $\pm$ 0.412 χ^2 /NDF: 595901.7/33

Out: 2607.081 $\pm$ 0.403 χ^2 /NDF: 812049.0/36

All: 2600.240 $\pm$ 0.288 χ^2 /NDF: 1408538.6/70

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -3699.522 $\pm$ 3217.843 χ^2/NDF : 13.8/16

Left Out: 1800.912 $\pm$ 2403.492 χ^2/NDF : 20.5/18

Right Out: -1555.707 $\pm$ 2911.769 χ^2/NDF : 16.8/17

Left In: 1214.374 $\pm$ 2508.489 χ^2/NDF : 13.8/16

Left: 1520.175 $\pm$ 1735.458 χ^2/NDF : 34.3/35

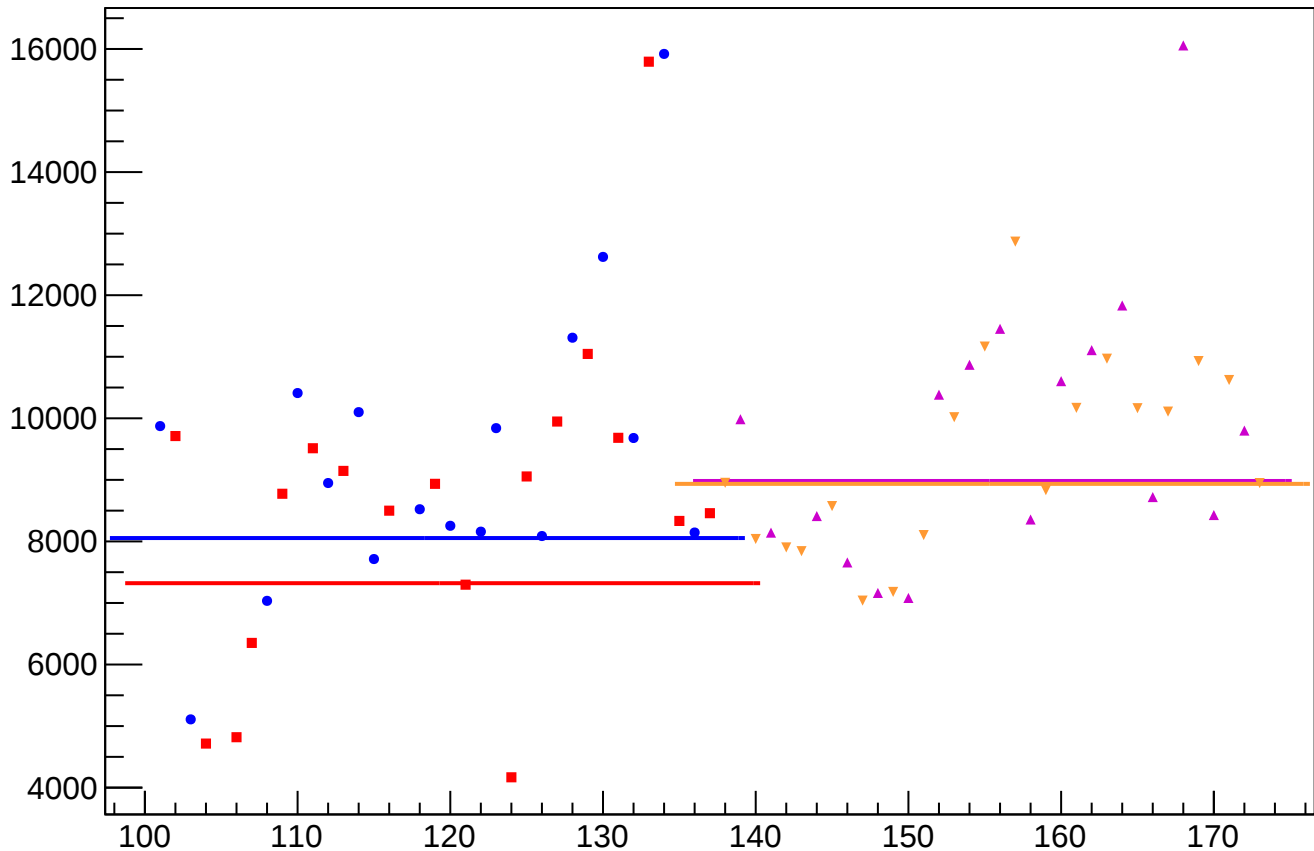
Right: -2520.832 $\pm$ 2159.052 χ^2/NDF : 30.8/34

In: -643.060 $\pm$ 1978.375 χ^2/NDF : 29.1/33

Out: 440.674 $\pm$ 1853.589 χ^2/NDF : 38.1/36

All: -65.939 $\pm$ 1352.650 χ^2/NDF : 67.3/70

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8054.772+/-2.275 χ^2/NDF : 820763.4/16

Left Out: 8934.878+/-1.700 χ^2/NDF : 720893.9/18

Right Out: 7321.428+/-2.059 χ^2/NDF : 1335956.4/17

Left In: 8981.858+/-1.774 χ^2/NDF : 982599.5/16

Left: 8957.364+/-1.227 χ^2/NDF : 1703859.2/35

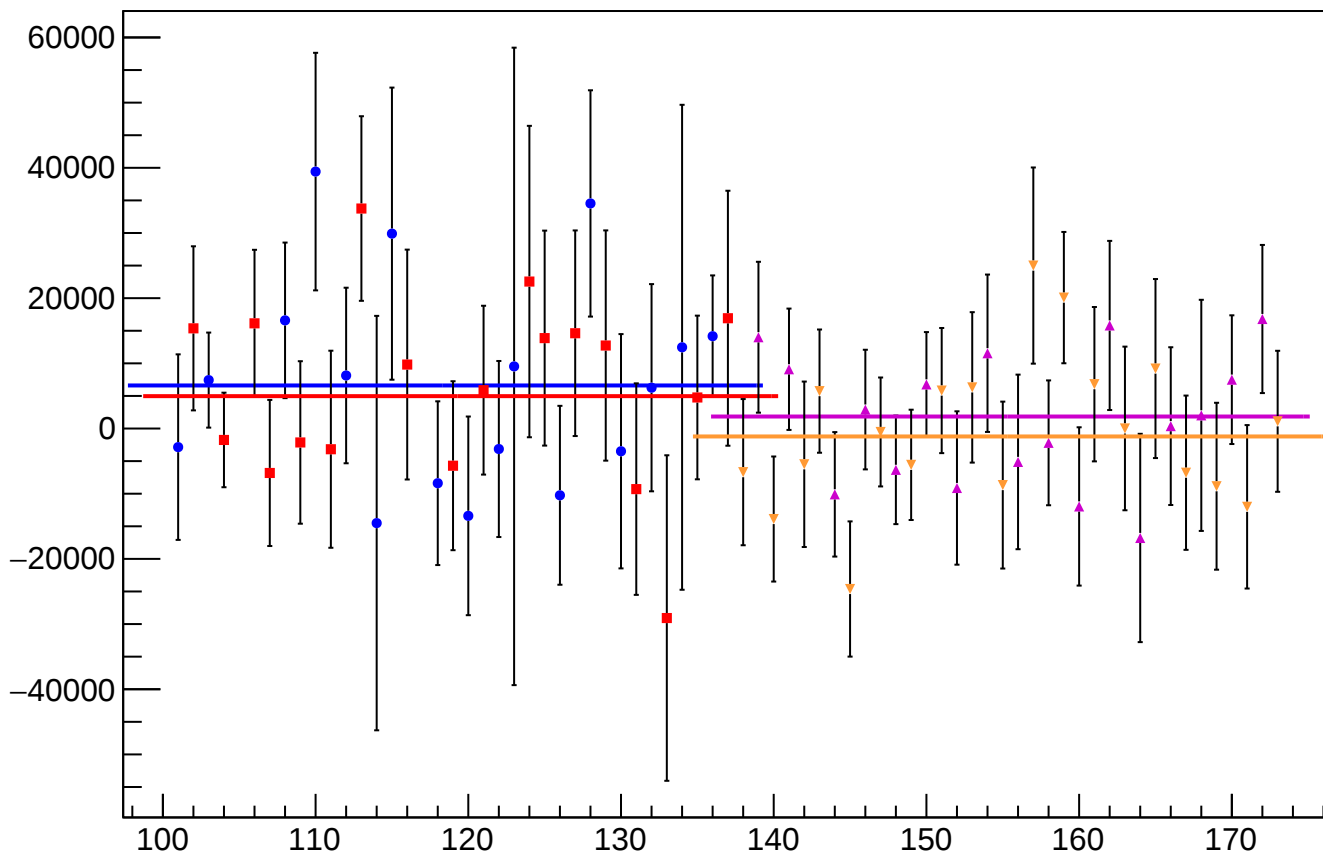
Right: 7651.572+/-1.527 χ^2/NDF : 2213832.0/34

In: 8631.423+/-1.399 χ^2/NDF : 1906623.0/33

Out: 8281.043+/-1.311 χ^2/NDF : 2422082.4/36

All: 8444.835+/-0.956 χ^2/NDF : 4362112.3/70

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6607.332+/-3395.867 χ^2/NDF : 14.7/16

Left Out: -1217.101+/-2504.324 χ^2/NDF : 19.2/18

Right Out: 4967.799+/-3176.866 χ^2/NDF : 13.5/17

Left In: 1843.008+/-2608.347 χ^2/NDF : 12.5/16

Left: 250.718+/-1806.480 χ^2/NDF : 32.4/35

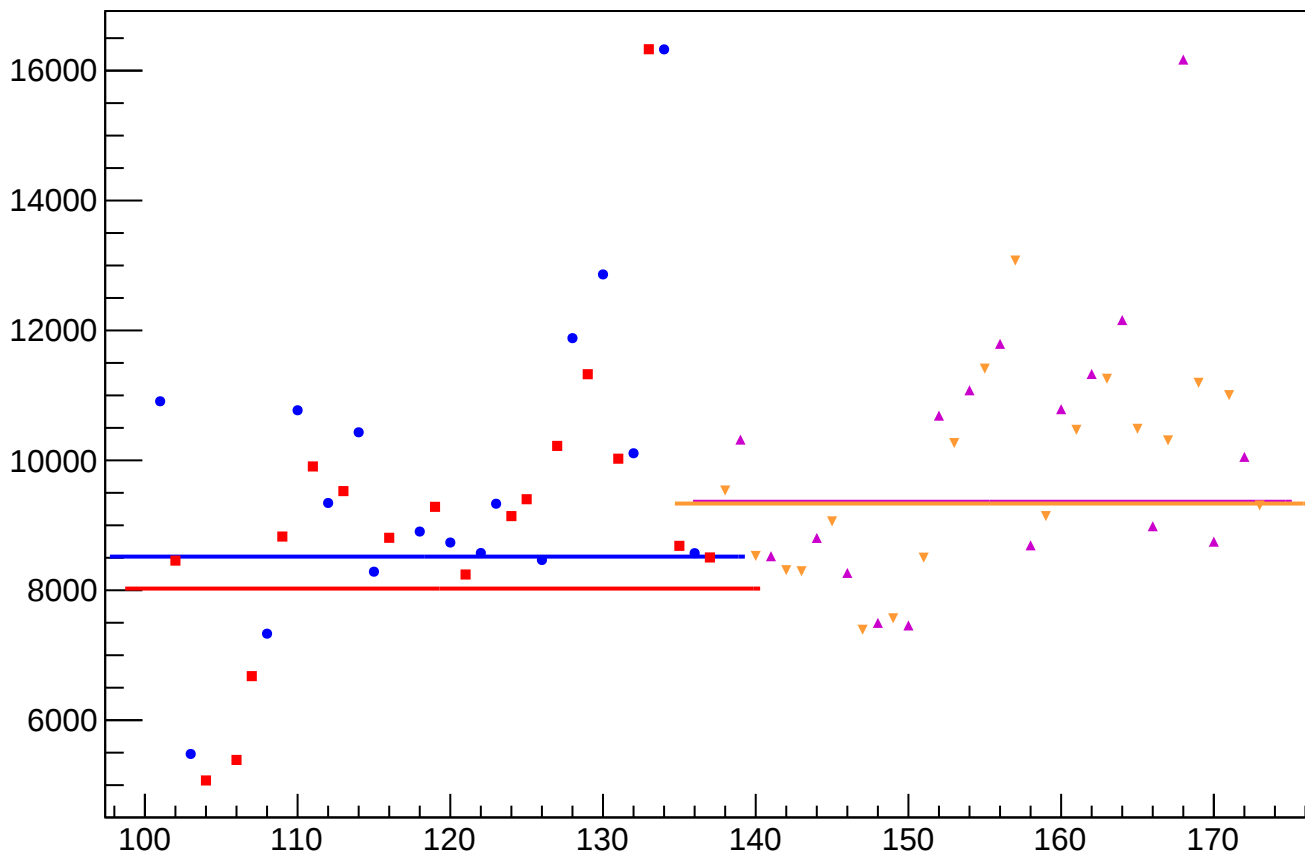
Right: 5732.997+/-2319.944 χ^2/NDF : 28.4/34

In: 3610.844+/-2068.574 χ^2/NDF : 28.4/33

Out: 1153.297+/-1966.723 χ^2/NDF : 35.1/36

All: 2320.081+/-1425.330 χ^2/NDF : 64.3/70

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8518.273+/-2.401 χ^2/NDF : 771995.0/16

Left Out: 9335.170+/-1.771 χ^2/NDF : 624250.1/18

Right Out: 8026.045+/-2.246 χ^2/NDF : 942657.8/17

Left In: 9362.648+/-1.844 χ^2/NDF : 866134.6/16

Left: 9348.350+/-1.277 χ^2/NDF : 1490500.2/35

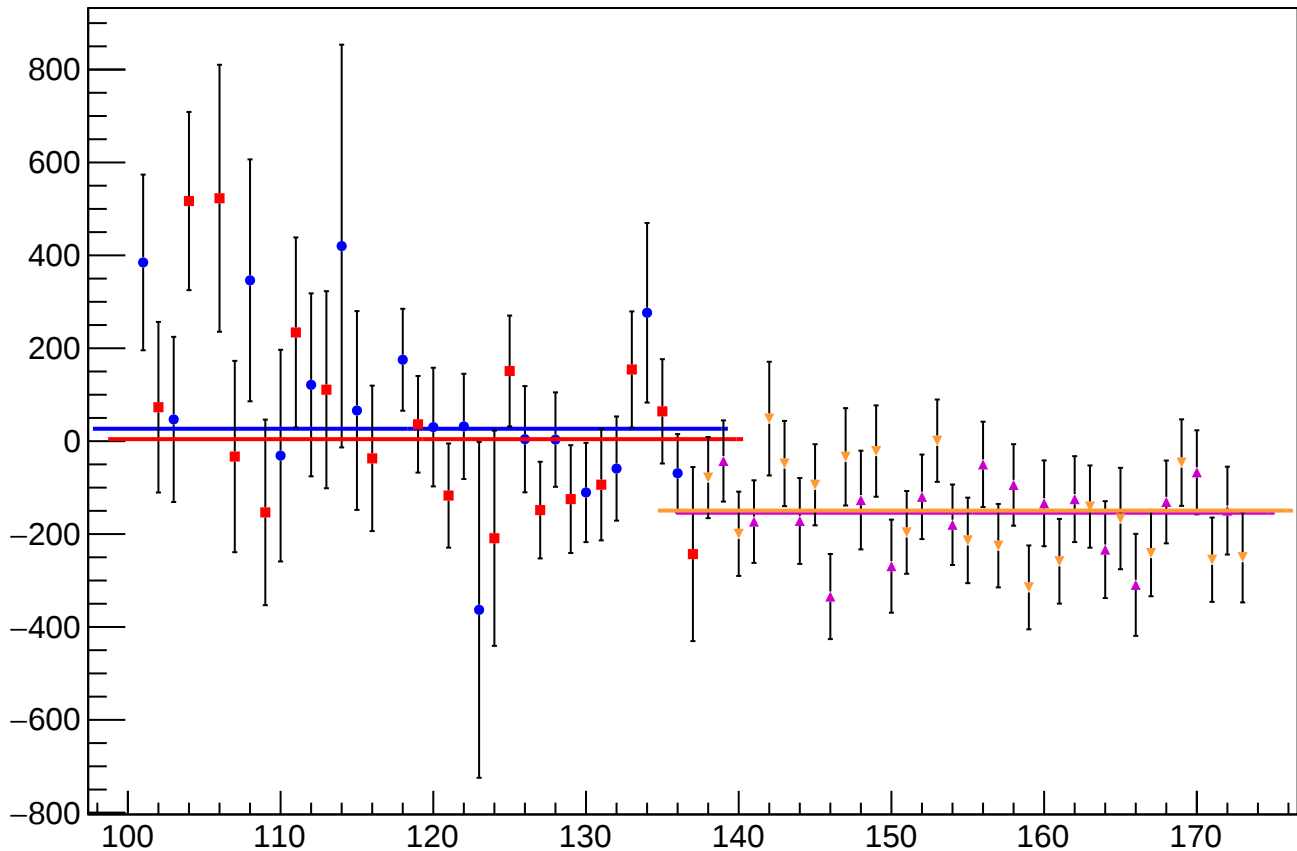
Right: 8255.767+/-1.640 χ^2/NDF : 1737062.4/34

In: 9049.336+/-1.463 χ^2/NDF : 1715899.3/33

Out: 8833.418+/-1.391 χ^2/NDF : 1776376.5/36

All: 8935.929+/-1.008 χ^2/NDF : 3503720.8/70

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 26.713 ± 33.626 $\chi^2/\text{NDF}: 14.5/16$

Left Out: -149.412 ± 21.462 $\chi^2/\text{NDF}: 21.9/18$

Right Out: 4.338 ± 33.842 $\chi^2/\text{NDF}: 23.9/17$

Left In: -154.045 ± 22.630 $\chi^2/\text{NDF}: 12.7/16$

Left: -151.606 ± 15.572 $\chi^2/\text{NDF}: 34.6/35$

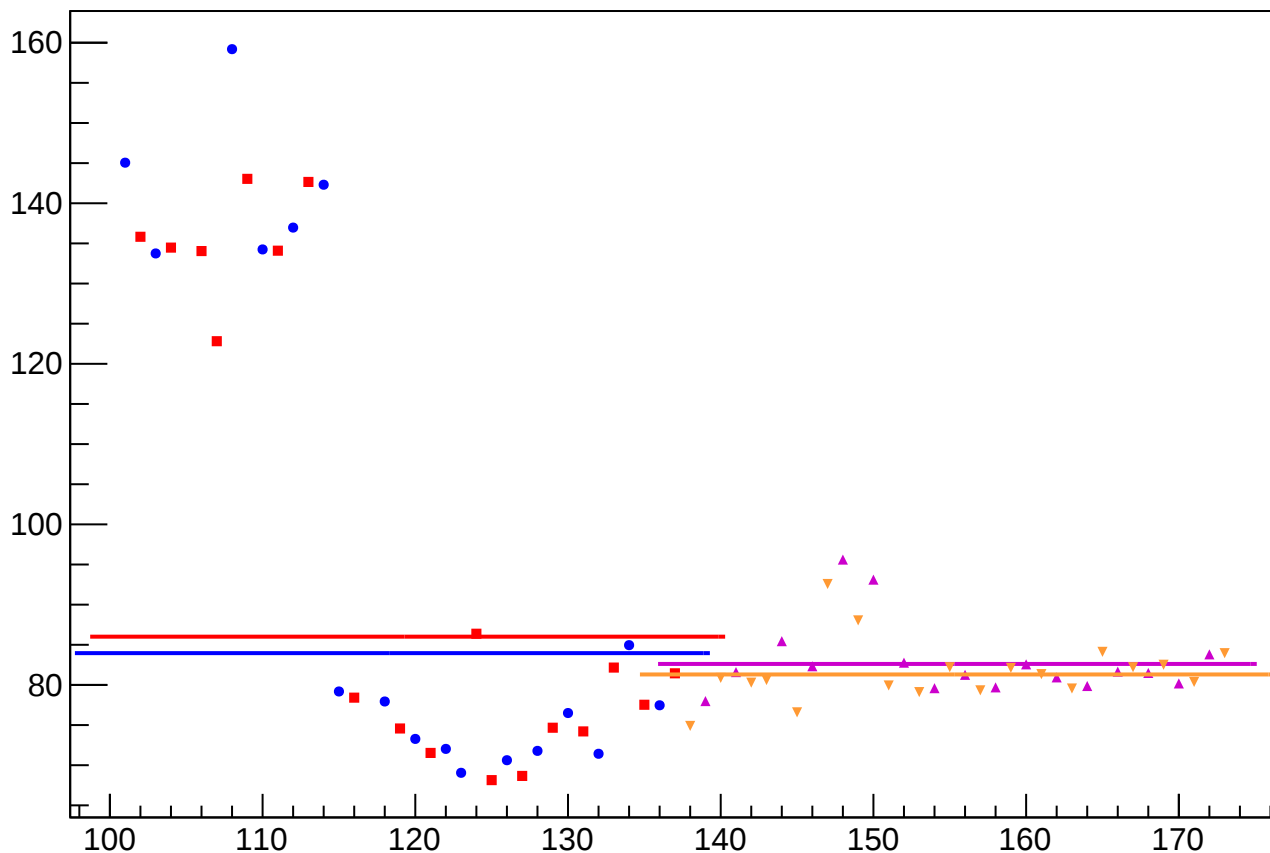
Right: 15.597 ± 23.853 $\chi^2/\text{NDF}: 38.7/34$

In: -97.698 ± 18.774 $\chi^2/\text{NDF}: 47.1/33$

Out: -105.313 ± 18.124 $\chi^2/\text{NDF}: 60.6/36$

All: -101.640 ± 13.040 $\chi^2/\text{NDF}: 107.7/70$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.961+/-0.024 χ^2/NDF : 960253.6/16

Left Out: 81.304+/-0.015 χ^2/NDF : 56781.5/18

Right Out: 86.012+/-0.024 χ^2/NDF : 1026404.0/17

Left In: 82.615+/-0.016 χ^2/NDF : 69040.8/16

Left: 81.925+/-0.011 χ^2/NDF : 129352.5/35

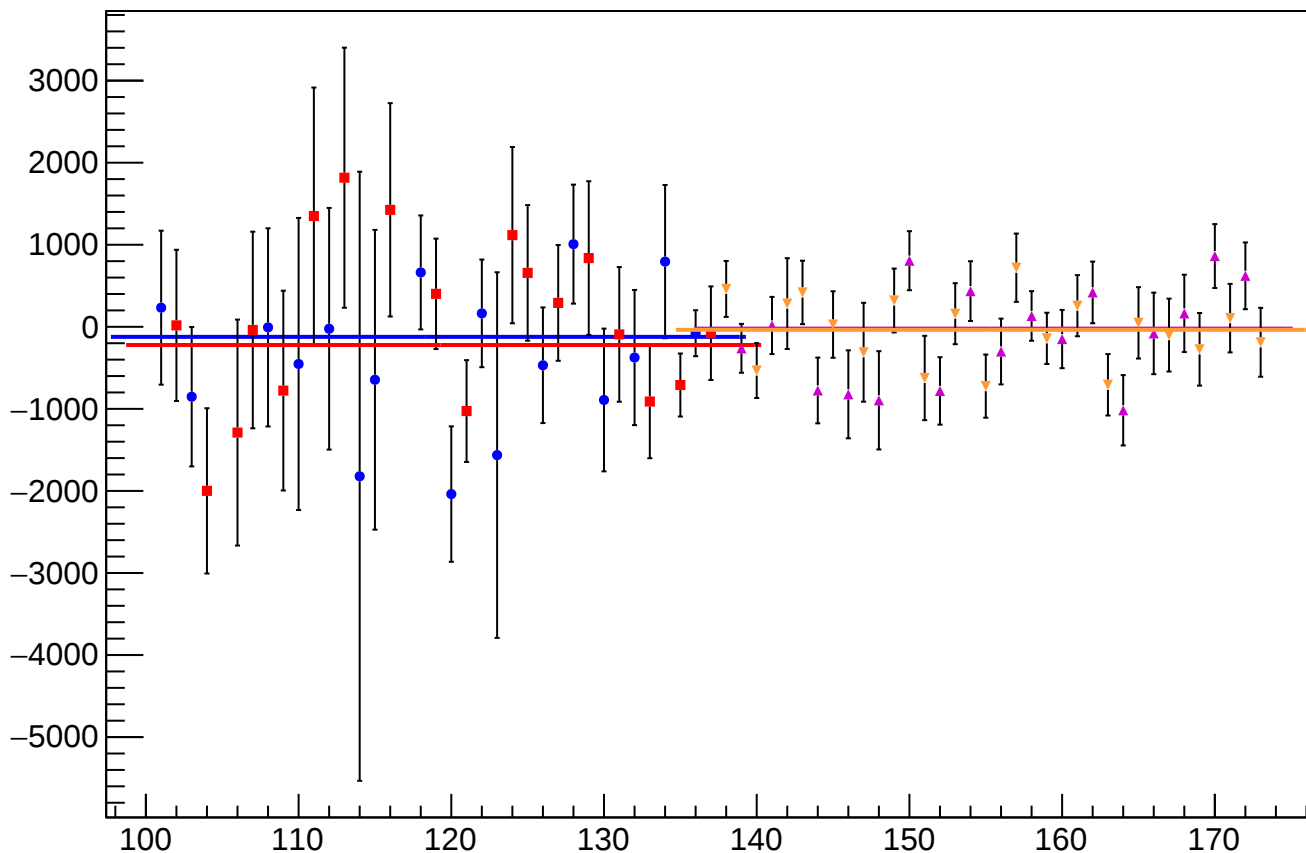
Right: 84.980+/-0.017 χ^2/NDF : 1990355.7/34

In: 83.034+/-0.013 χ^2/NDF : 1031500.3/33

Out: 82.655+/-0.013 χ^2/NDF : 1110788.5/36

All: 82.838+/-0.009 χ^2/NDF : 2142712.0/70

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: -122.410 ± 179.587 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -36.657 ± 92.075 $\chi^2/\text{NDF}: 19.7/18$

Right Out: -221.525 ± 185.098 $\chi^2/\text{NDF}: 18.0/17$

Left In: -21.975 ± 94.478 $\chi^2/\text{NDF}: 34.3/16$

Left: -29.505 ± 65.940 $\chi^2/\text{NDF}: 54.1/35$

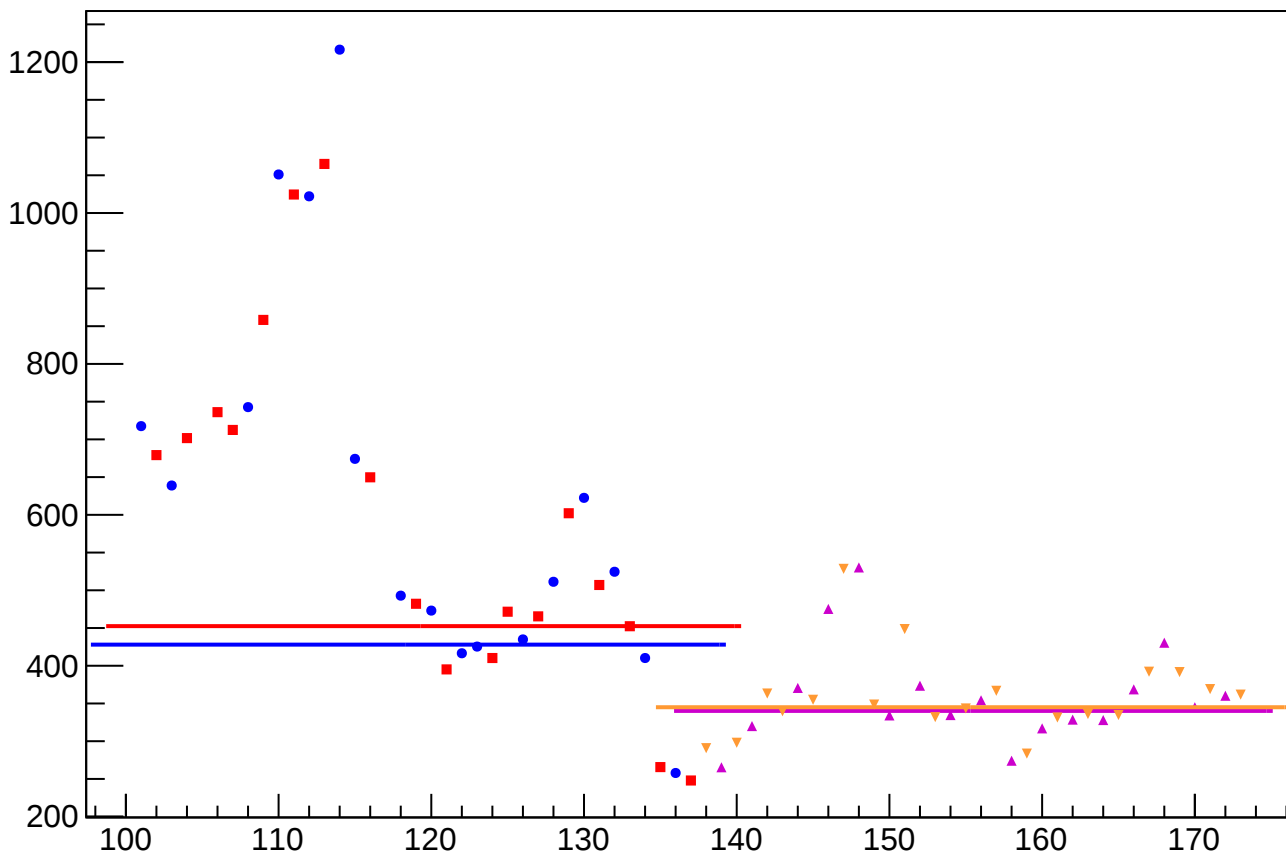
Right: -170.470 ± 128.892 $\chi^2/\text{NDF}: 31.2/34$

In: -43.747 ± 83.613 $\chi^2/\text{NDF}: 47.6/33$

Out: -73.328 ± 82.439 $\chi^2/\text{NDF}: 38.5/36$

All: -58.747 ± 58.704 $\chi^2/\text{NDF}: 86.2/70$

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 427.986 $\pm$ 0.127 χ^2/NDF : 2062245.9/16

Left Out: 345.018 $\pm$ 0.065 χ^2/NDF : 505623.9/18

Right Out: 452.508 $\pm$ 0.131 χ^2/NDF : 2073032.9/17

Left In: 340.154 $\pm$ 0.067 χ^2/NDF : 682365.9/16

Left: 342.649 $\pm$ 0.047 χ^2/NDF : 1190708.5/35

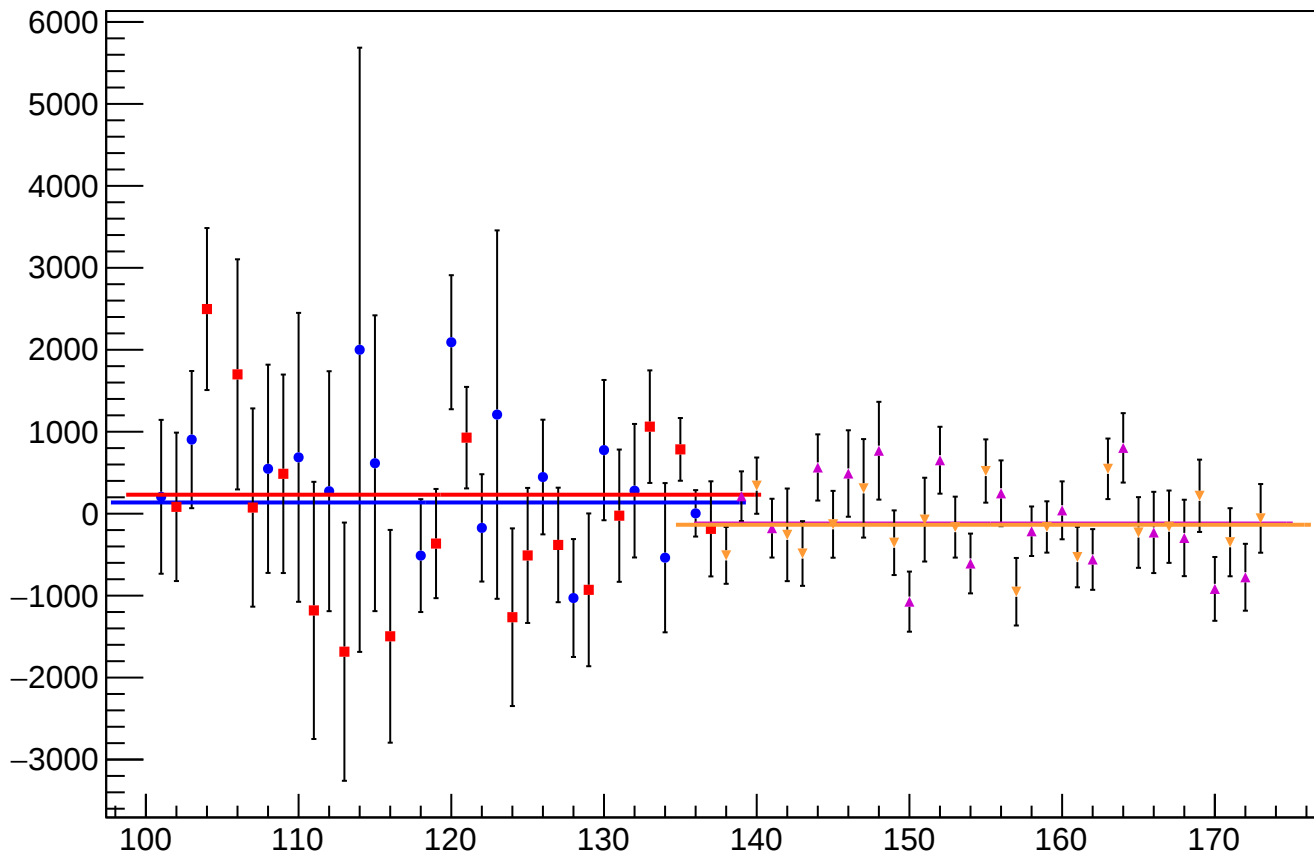
Right: 439.876 $\pm$ 0.091 χ^2/NDF : 4153360.2/34

In: 359.193 $\pm$ 0.059 χ^2/NDF : 3119300.3/33

Out: 366.340 $\pm$ 0.058 χ^2/NDF : 3119331.5/36

All: 362.817 $\pm$ 0.042 χ^2/NDF : 6246040.8/70

asym_sam1_mean vs Slug, Sign Corrected



Right In: 136.810 $\pm$ 179.609 χ^2 /NDF: 12.6/16

Left Out: -135.084 $\pm$ 92.370 χ^2 /NDF:17.2/18

Right Out: 231.586 $\pm$ 184.578 χ^2 /NDF: 21.8/17

Left In: -120.238 $\pm$ 94.740 χ^2 /NDF:34.0/16

Left: -127.849 $\pm$ 66.137 χ^2 /NDF: 51.2/35

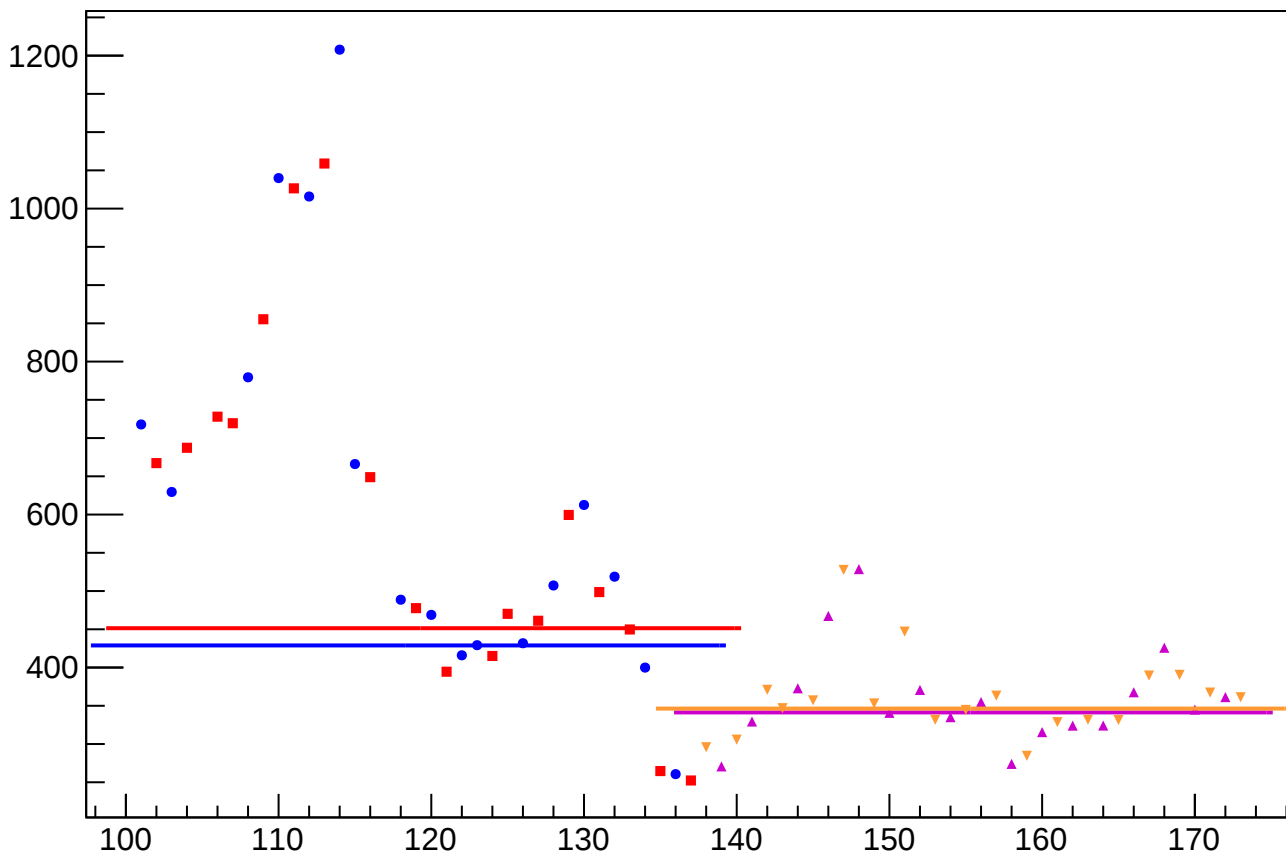
Right: 182.905 $\pm$ 128.724 χ^2 /NDF: 34.5/34

In: -64.286 $\pm$ 83.797 χ^2 /NDF:48.3/33

Out: -61.648 $\pm$ 82.604 χ^2 /NDF:42.1/36

All: -62.948 $\pm$ 58.827 χ^2 /NDF: 90.3/70

asym_sam1_rms vs Slug, Sign Corrected



Left: 343.891 ± 0.047 $\chi^2/\text{NDF}: 1120492.4/35$

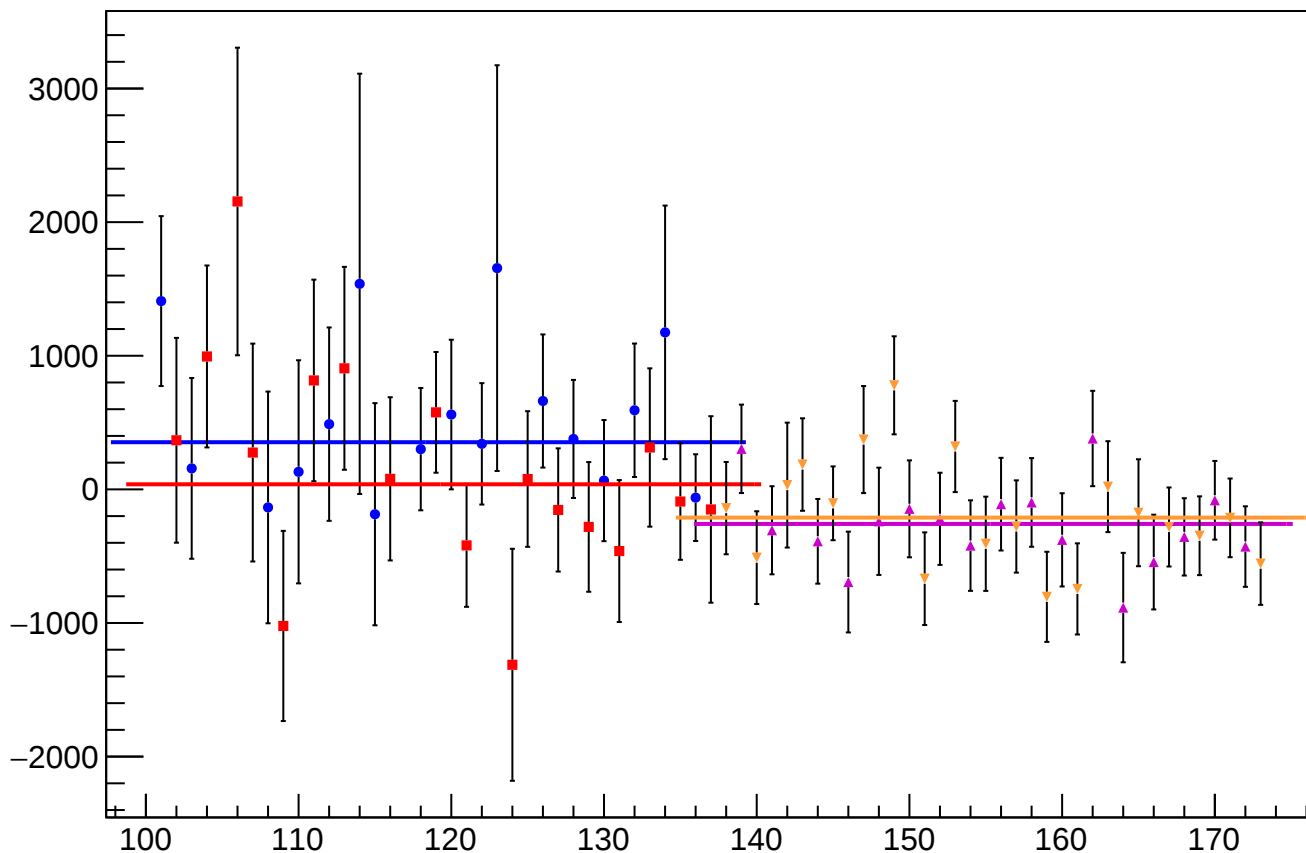
Right: 439.843 ± 0.091 $\chi^2/\text{NDF}: 4056629.4/34$

In: 360.378 ± 0.059 $\chi^2/\text{NDF}: 3023543.4/33$

Out: 367.383 ± 0.058 $\chi^2/\text{NDF}: 3025675.5/36$

All: 363.930 ± 0.042 $\chi^2/\text{NDF}: 6056308.0/70$

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 352.927 $\pm$ 137.298 χ^2/NDF : 8.5/16

Left Out: -211.356 $\pm$ 77.397 χ^2/NDF :24.0/18

Right Out: 37.982 $\pm$ 139.023 χ^2/NDF : 16.9/17

Left In: -258.737 $\pm$ 82.166 χ^2/NDF :12.3/16

Left: -233.632 $\pm$ 56.338 χ^2/NDF : 36.4/35

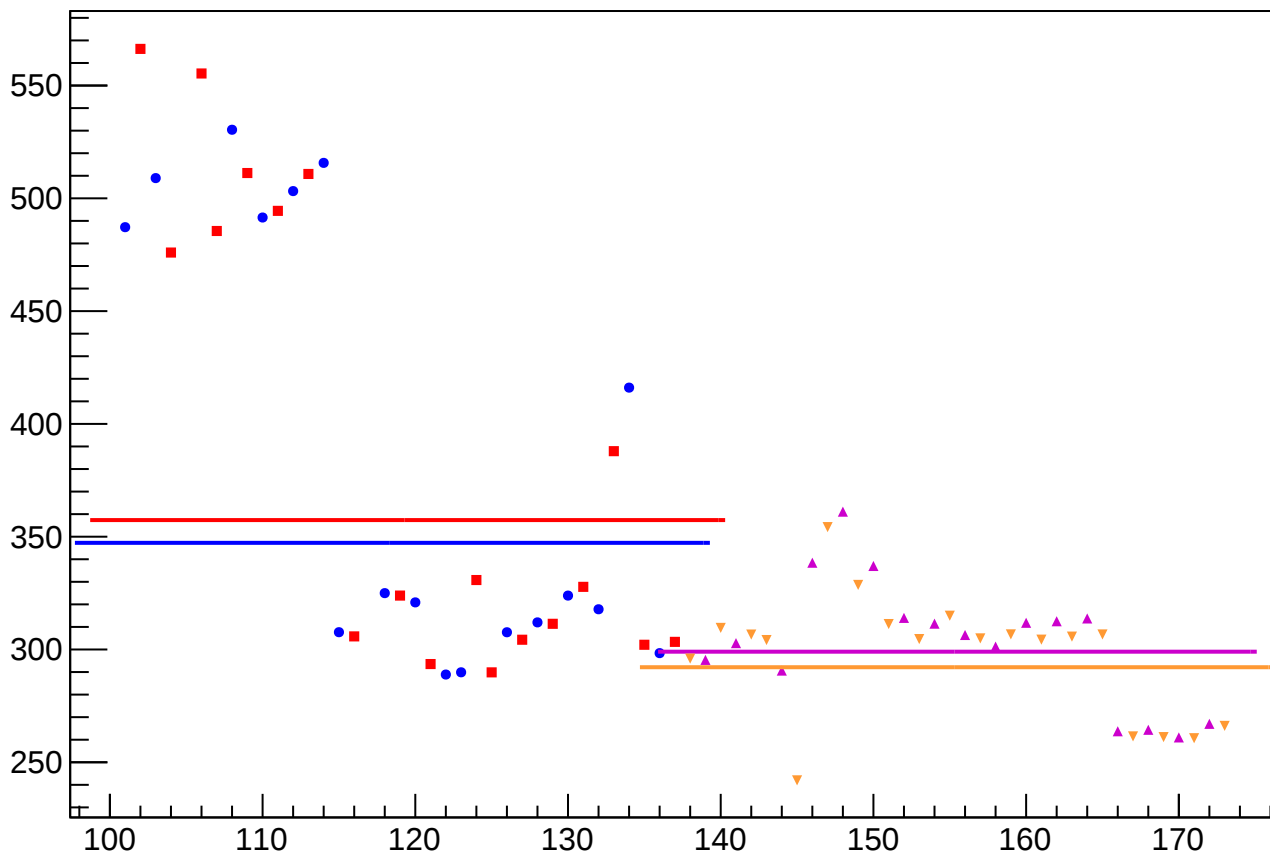
Right: 197.421 $\pm$ 97.689 χ^2/NDF : 28.1/34

In: -97.442 $\pm$ 70.505 χ^2/NDF :35.4/33

Out: -152.361 $\pm$ 67.624 χ^2/NDF :43.4/36

All: -126.047 $\pm$ 48.804 χ^2/NDF : 79.1/70

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 347.280 $\pm$ 0.097 χ^2/NDF : 618906.8/16

Left Out: 292.136 $\pm$ 0.055 χ^2/NDF :256050.7/18

Right Out: 357.365 $\pm$ 0.098 χ^2/NDF : 759938.5/17

Left In: 299.026 $\pm$ 0.058 χ^2/NDF :213464.2/16

Left: 295.375 $\pm$ 0.040 χ^2/NDF : 476965.5/35

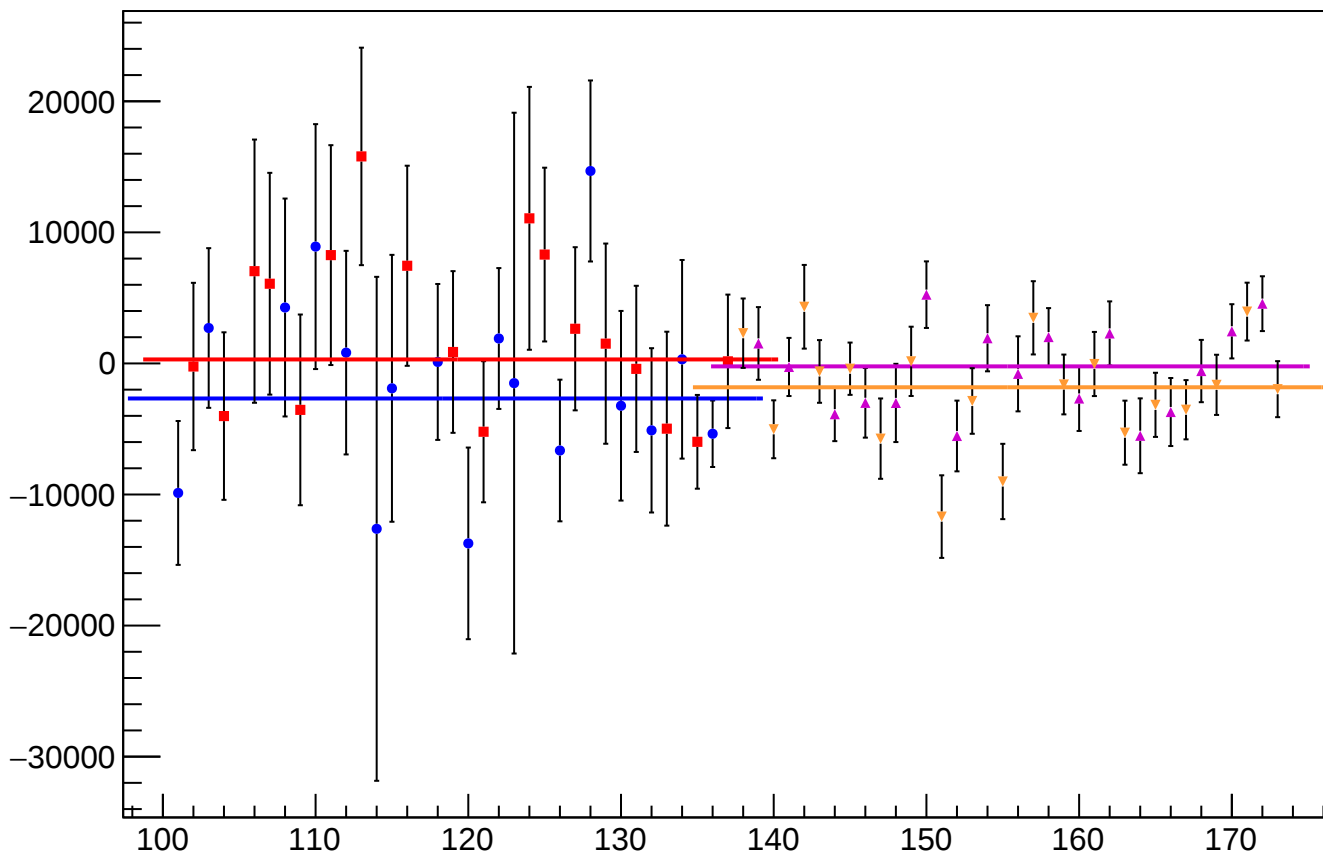
Right: 352.259 $\pm$ 0.069 χ^2/NDF : 1384173.3/34

In: 311.750 $\pm$ 0.050 χ^2/NDF :1014268.5/33

Out: 307.569 $\pm$ 0.048 χ^2/NDF :1352099.1/36

All: 309.573 $\pm$ 0.035 χ^2/NDF : 2370030.1/70

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -2674.025+/-1456.188 χ^2/NDF : 16.7/16

Left Out: -1818.972+/-564.838 χ^2/NDF : 41.3/18

Right Out: 304.817+/-1517.834 χ^2/NDF : 14.4/17

Left In: -224.930+/-593.254 χ^2/NDF : 30.0/16

Left: -1061.041+/-409.078 χ^2/NDF : 75.1/35

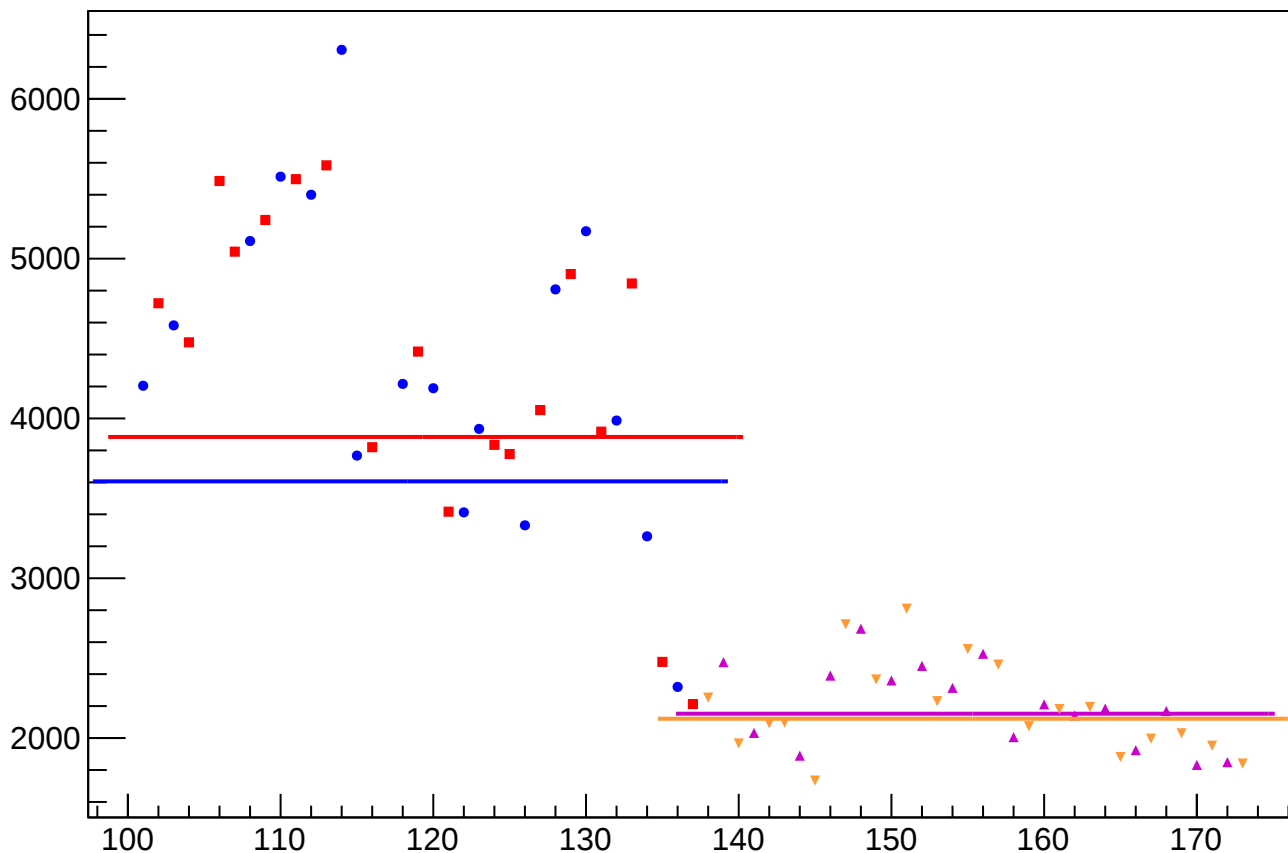
Right: -1246.323+/-1050.798 χ^2/NDF : 33.1/34

In: -573.558+/-549.409 χ^2/NDF : 49.2/33

Out: -1560.637+/-529.372 χ^2/NDF : 57.4/36

All: -1085.426+/-381.209 χ^2/NDF : 108.3/70

asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 3606.359+/-1.030 χ^2/NDF : 1092516.6/16

Left Out: 2120.831+/-0.399 χ^2/NDF : 435582.8/18

Right Out: 3884.203+/-1.073 χ^2/NDF : 994574.5/17

Left In: 2152.301+/-0.419 χ^2/NDF : 341504.1/16

Left: 2135.794+/-0.289 χ^2/NDF : 780038.8/35

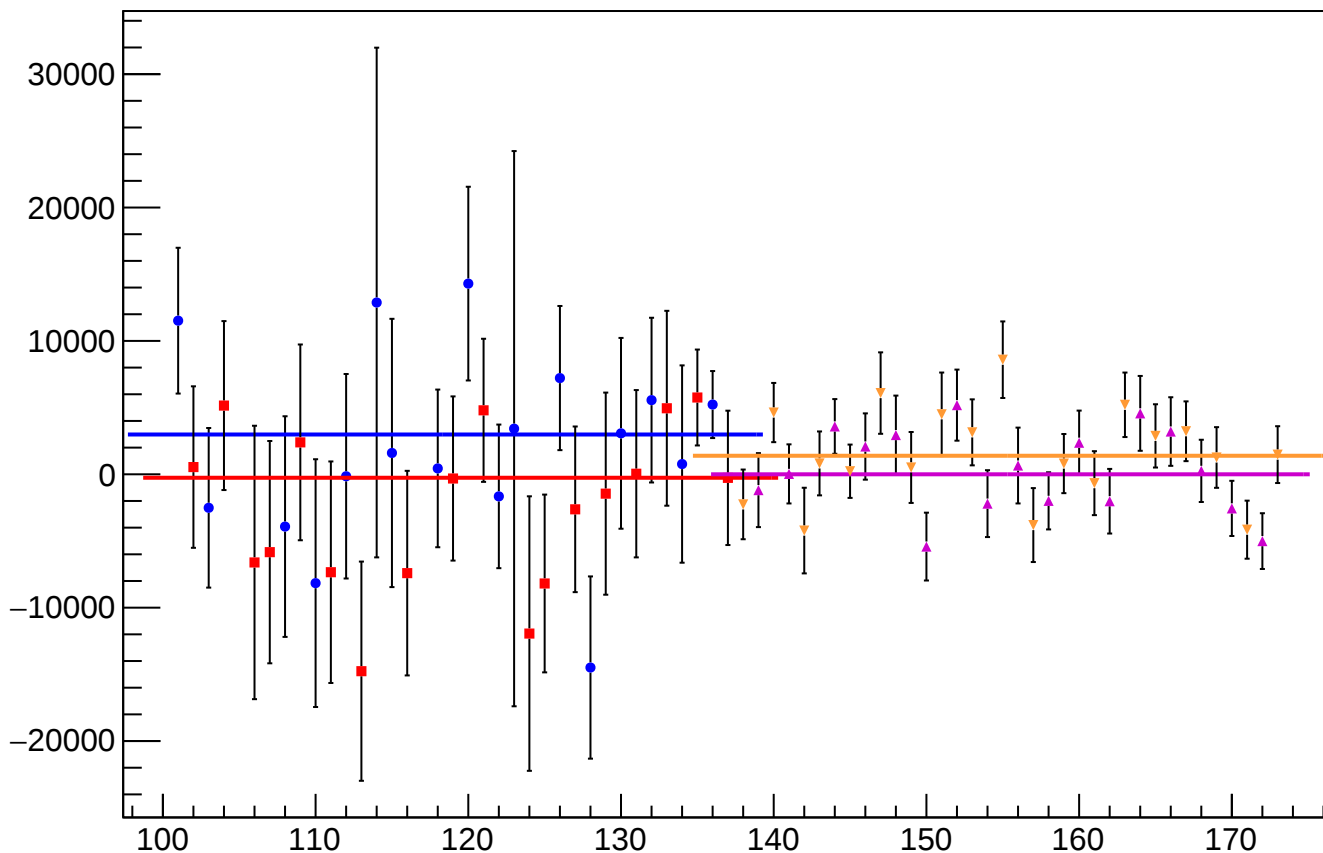
Right: 3739.524+/-0.743 χ^2/NDF : 2121988.0/34

In: 2359.286+/-0.388 χ^2/NDF : 3144307.4/33

Out: 2335.326+/-0.374 χ^2/NDF : 3801217.2/36

All: 2346.861+/-0.270 χ^2/NDF : 6947497.2/70

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2983.609 $\pm$ 1443.630 χ^2 /NDF: 17.4/16

Left Out: 1389.736 $\pm$ 560.159 χ^2 /NDF:32.2/18

Right Out: -259.721 $\pm$ 1510.344 χ^2 /NDF: 13.5/17

Left In: -0.396 $\pm$ 586.048 χ^2 /NDF:28.1/16

Left: 726.052 $\pm$ 404.935 χ^2 /NDF: 63.2/35

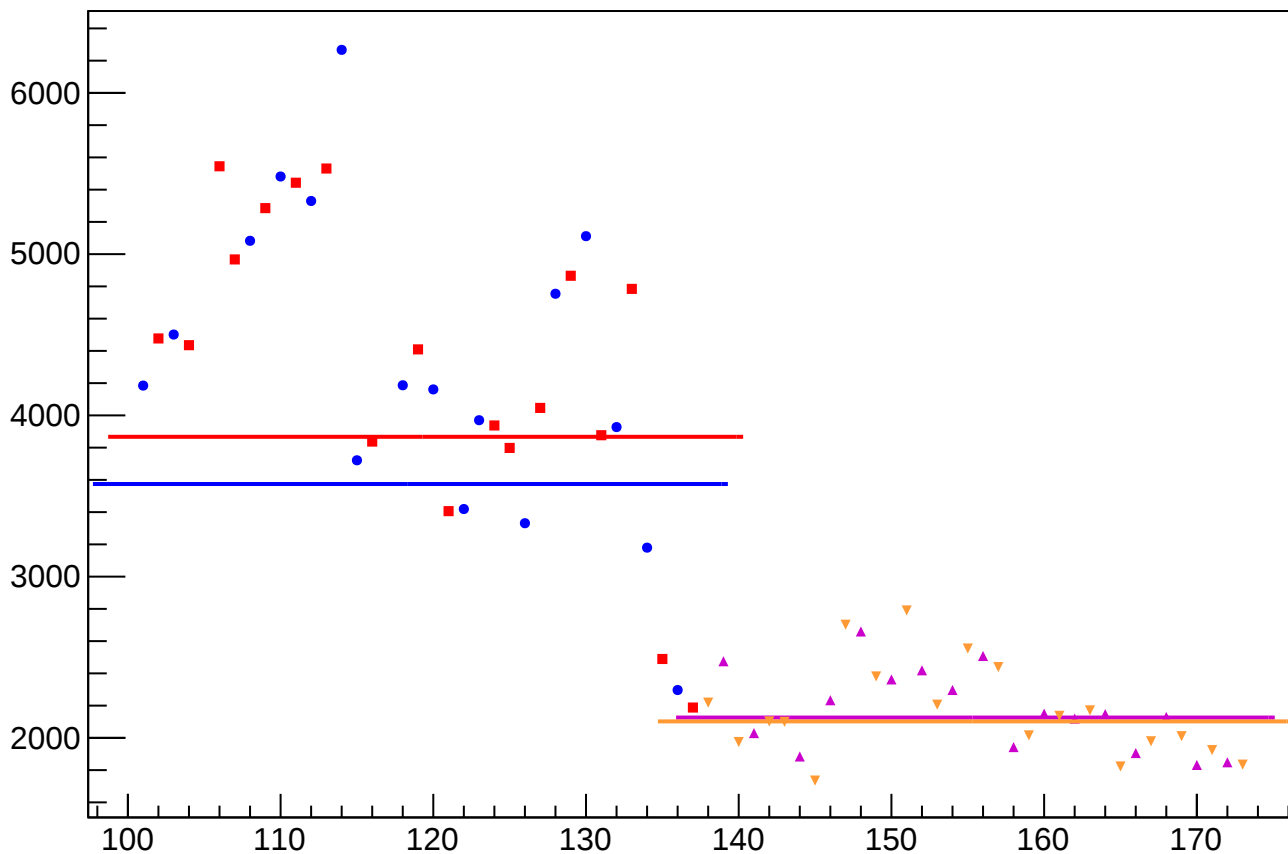
Right: 1435.156 $\pm$ 1043.589 χ^2 /NDF: 33.3/34

In: 421.789 $\pm$ 543.009 χ^2 /NDF:49.2/33

Out: 1190.283 $\pm$ 525.201 χ^2 /NDF:46.7/36

All: 818.845 $\pm$ 377.512 χ^2 /NDF: 97.0/70

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3574.362+/-1.021 χ^2/NDF : 1091350.4/16

Left Out: 2102.089+/-0.396 χ^2/NDF : 443661.4/18

Right Out: 3867.232+/-1.068 χ^2/NDF : 968137.9/17

Left In: 2126.041+/-0.414 χ^2/NDF : 324206.1/16

Left: 2113.524+/-0.286 χ^2/NDF : 769613.4/35

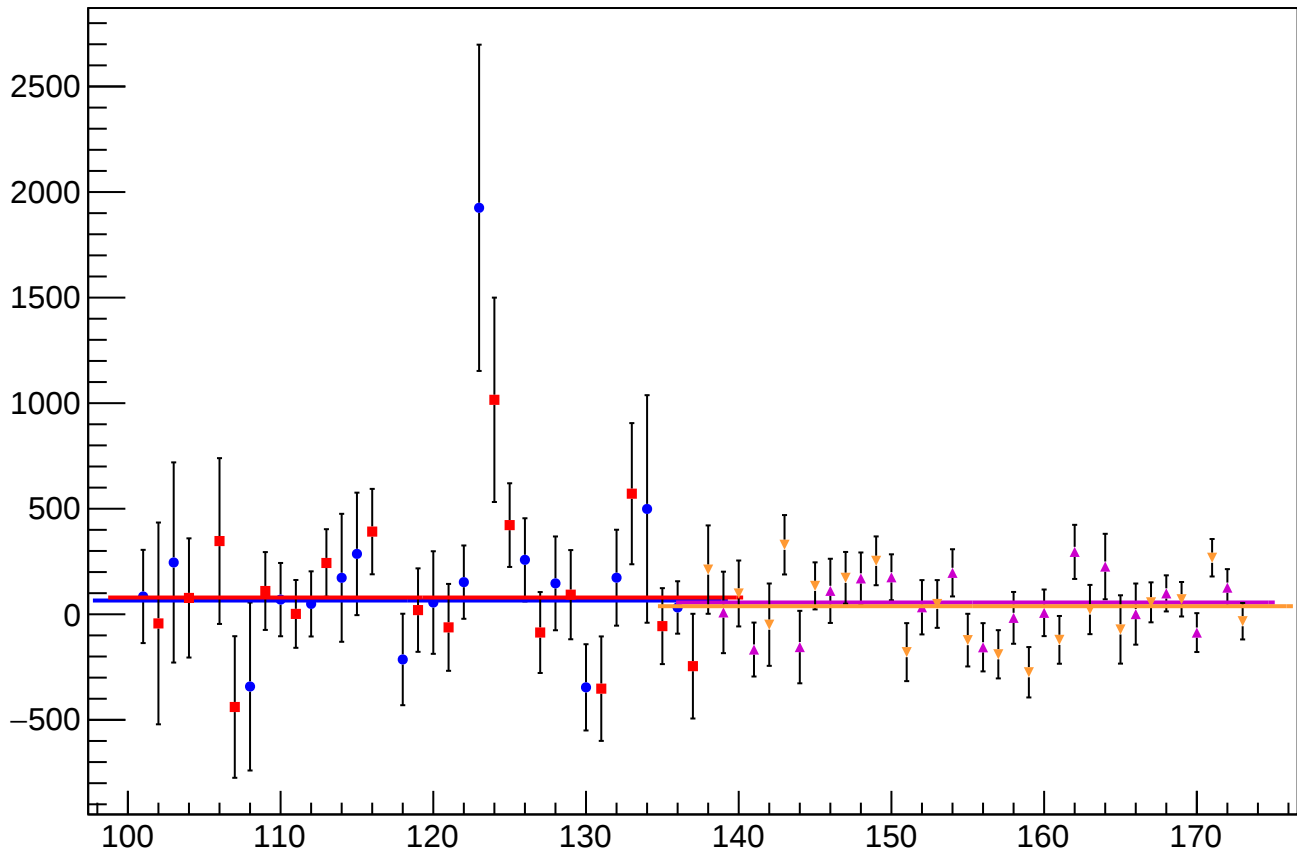
Right: 3714.186+/-0.738 χ^2/NDF : 2098786.6/34

In: 2330.954+/-0.384 χ^2/NDF : 3143768.5/33

Out: 2315.530+/-0.371 χ^2/NDF : 3813208.9/36

All: 2322.985+/-0.267 χ^2/NDF : 6957811.1/70

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 65.225 $\pm$ 52.700 χ^2 /NDF: 15.7/16

Left Out: 38.323 $\pm$ 26.564 χ^2 /NDF: 35.8/18

Right Out: 79.473 $\pm$ 52.344 χ^2 /NDF: 22.2/17

Left In: 55.923 $\pm$ 28.665 χ^2 /NDF: 20.6/16

Left: 46.454 $\pm$ 19.484 χ^2 /NDF: 56.6/35

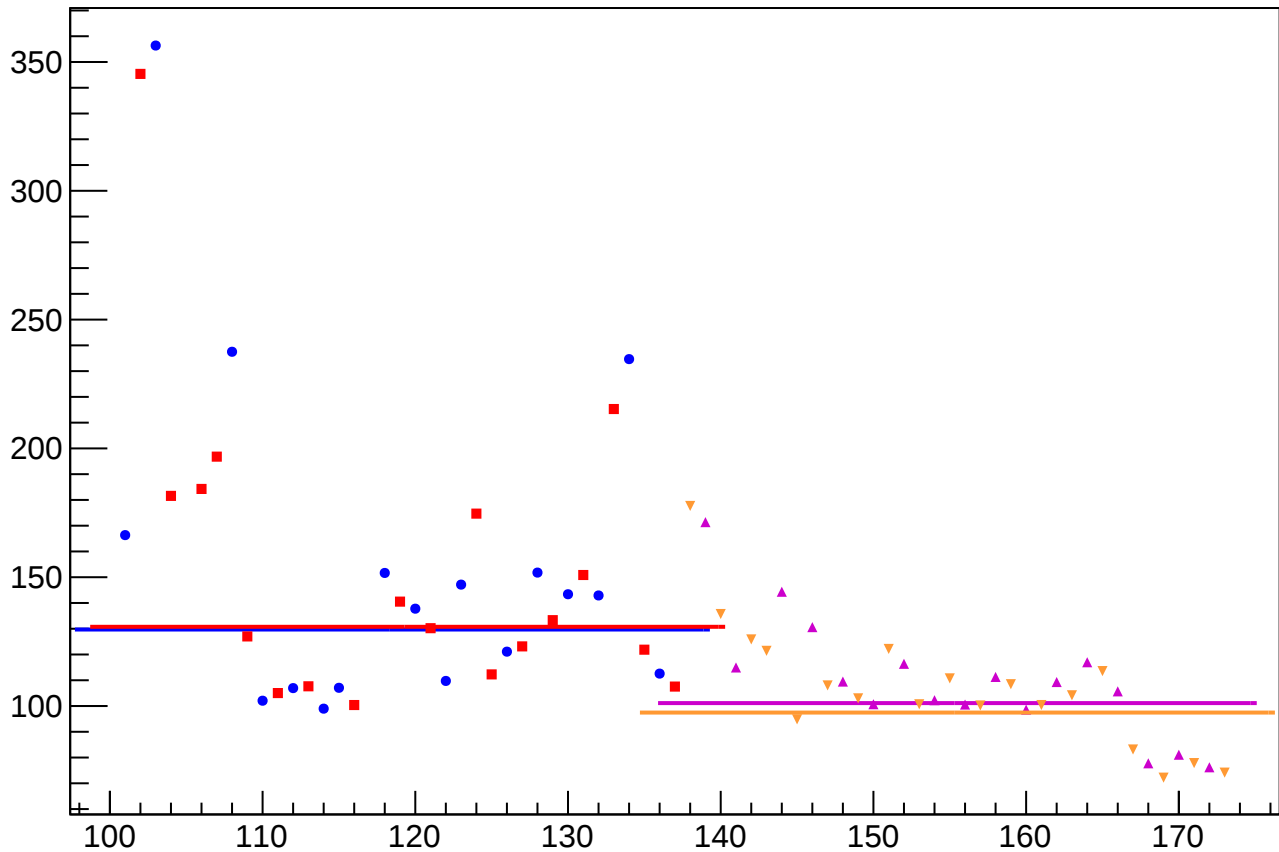
Right: 72.397 $\pm$ 37.138 χ^2 /NDF: 37.9/34

In: 58.047 $\pm$ 25.181 χ^2 /NDF: 36.3/33

Out: 46.750 $\pm$ 23.688 χ^2 /NDF: 58.4/36

All: 52.053 $\pm$ 17.254 χ^2 /NDF: 94.8/70

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 129.697 $\pm$ 0.037 χ^2 /NDF: 989682.4/16

Left Out: 97.459 $\pm$ 0.019 χ^2 /NDF:1150125.8/18

Right Out: 130.751 $\pm$ 0.037 χ^2 /NDF: 927534.3/17

Left In: 101.135 $\pm$ 0.020 χ^2 /NDF:980009.9/16

Left: 99.157 $\pm$ 0.014 χ^2 /NDF: 2147830.5/35

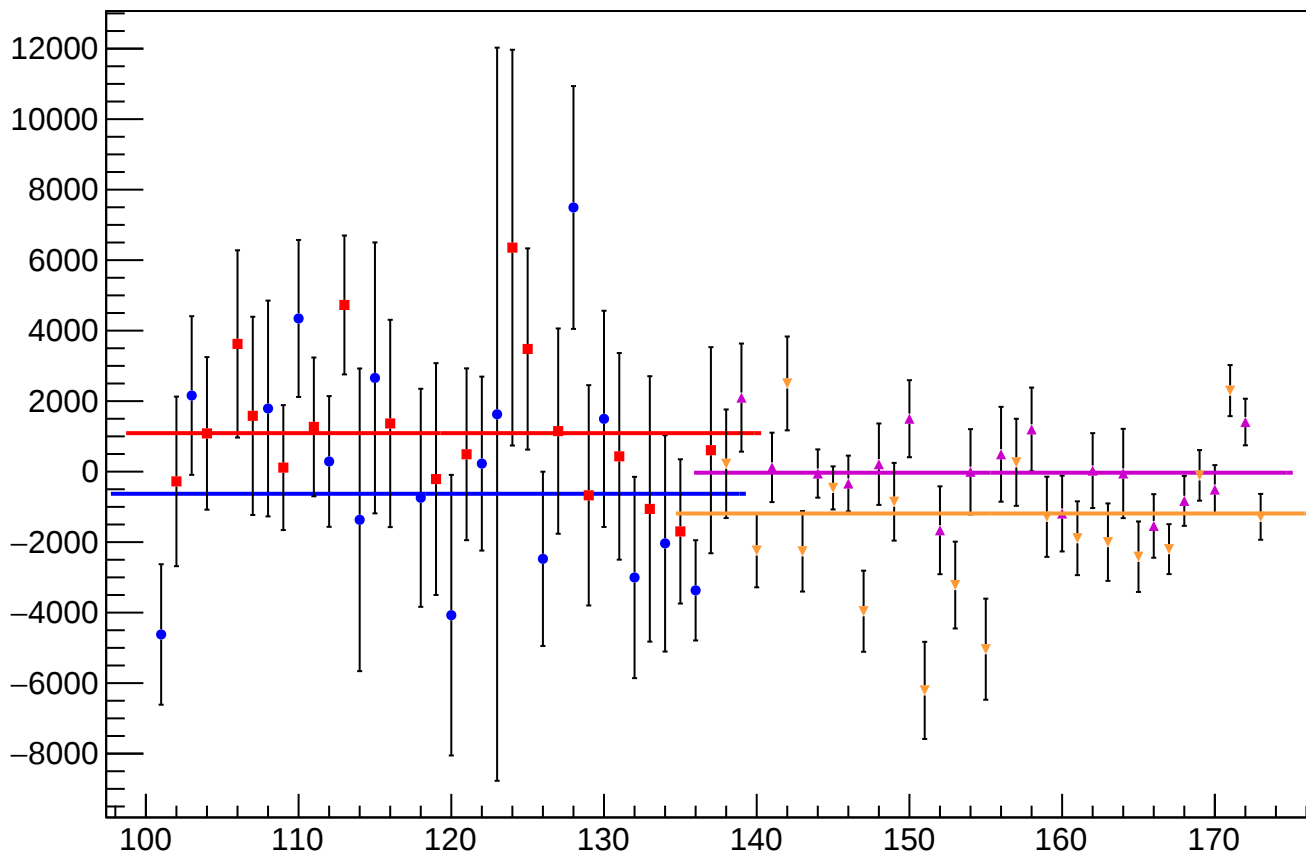
Right: 130.228 $\pm$ 0.026 χ^2 /NDF: 1917619.9/34

In: 107.656 $\pm$ 0.018 χ^2 /NDF:2423025.4/33

Out: 104.277 $\pm$ 0.017 χ^2 /NDF:2721050.3/36

All: 105.863 $\pm$ 0.012 χ^2 /NDF: 5163179.3/70

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -628.175 ± 621.486 $\chi^2/\text{NDF}: 24.3/16$

Left Out: -1187.471 ± 218.383 $\chi^2/\text{NDF}: 72.3/18$

Right Out: 1091.945 ± 599.483 $\chi^2/\text{NDF}: 9.4/17$

Left In: -30.902 ± 227.436 $\chi^2/\text{NDF}: 17.5/16$

Left: -632.660 ± 157.523 $\chi^2/\text{NDF}: 103.3/35$

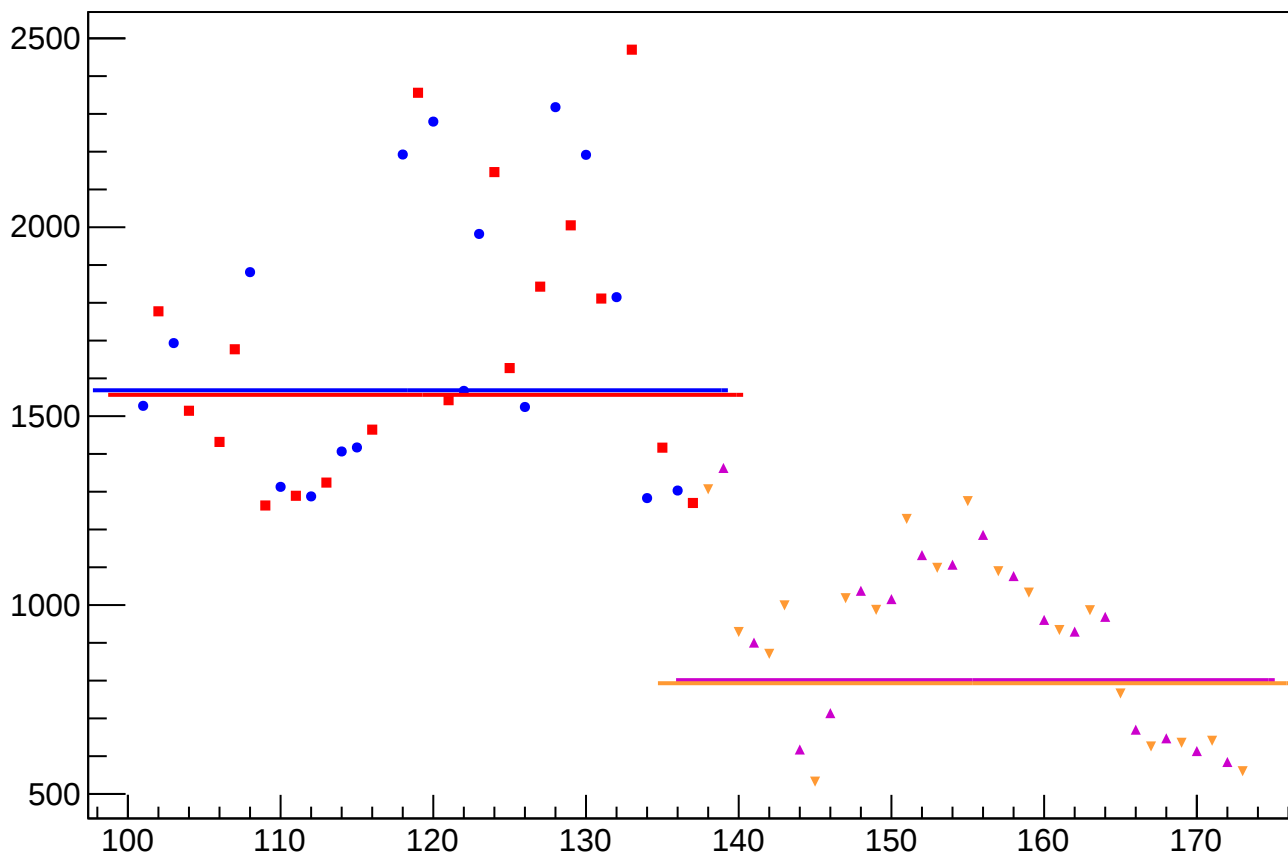
Right: 262.874 ± 431.468 $\chi^2/\text{NDF}: 37.6/34$

In: -101.443 ± 213.583 $\chi^2/\text{NDF}: 42.6/33$

Out: -920.421 ± 205.192 $\chi^2/\text{NDF}: 94.4/36$

All: -527.334 ± 147.970 $\chi^2/\text{NDF}: 144.7/70$

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 1568.480+/-0.439 χ^2/NDF : 534197.6/16

Left Out: 793.086+/-0.154 χ^2/NDF : 2234433.6/18

Right Out: 1556.423+/-0.424 χ^2/NDF : 510453.6/17

Left In: 801.247+/-0.161 χ^2/NDF : 1764320.3/16

Left: 797.001+/-0.111 χ^2/NDF : 4000093.8/35

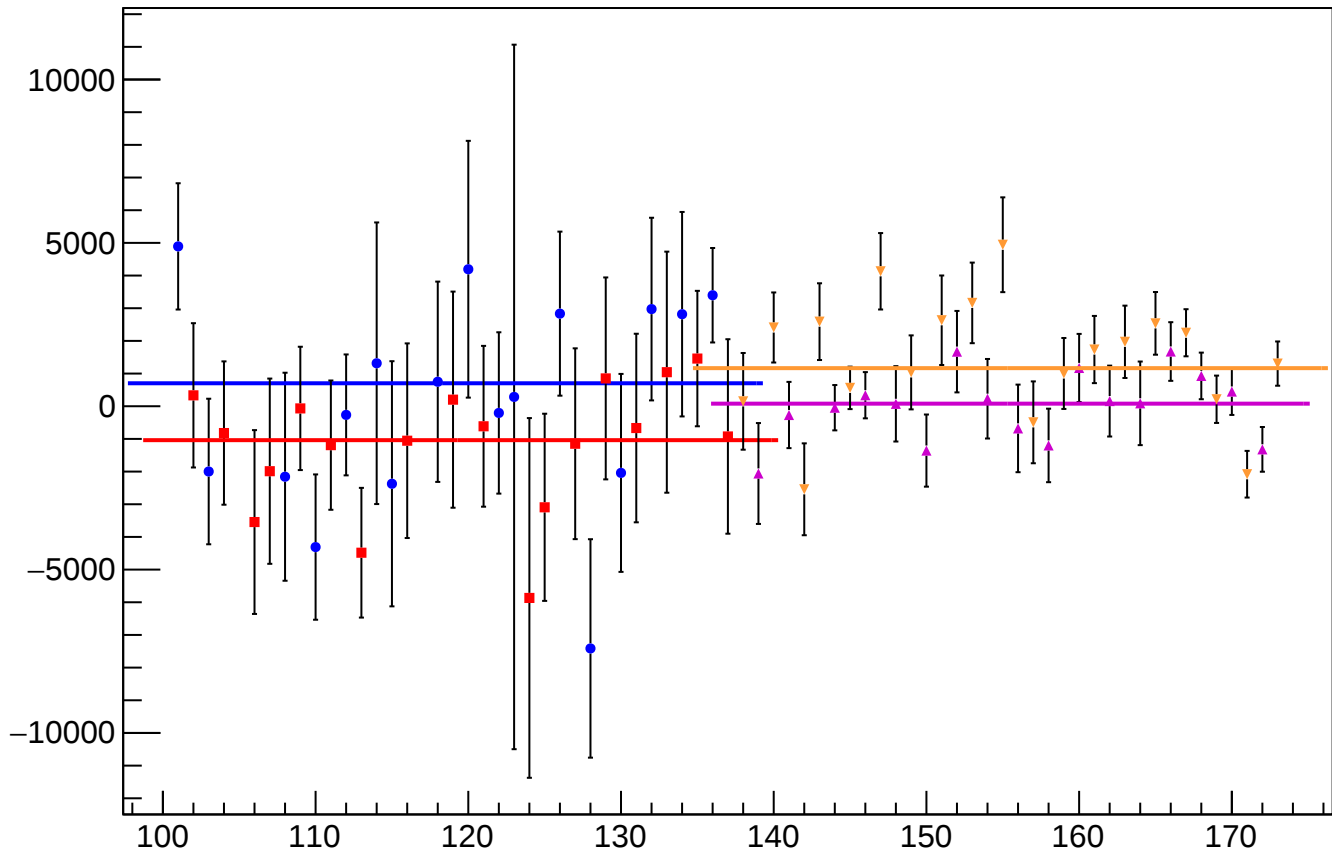
Right: 1562.235+/-0.305 χ^2/NDF : 1045041.2/34

In: 891.862+/-0.151 χ^2/NDF : 4986571.9/33

Out: 882.516+/-0.145 χ^2/NDF : 5607702.2/36

All: 887.002+/-0.105 χ^2/NDF : 10596265.3/70

asym_sam3_mean vs Slug, Sign Corrected



Right In: 703.057 $\pm$ 620.618 χ^2 /NDF: 26.0/16

Left Out: 1165.957 $\pm$ 221.402 χ^2 /NDF: 57.4/18

Right Out: -1038.423 $\pm$ 604.250 χ^2 /NDF: 8.2/17

Left In: 78.925 $\pm$ 227.158 χ^2 /NDF: 17.3/16

Left: 636.388 $\pm$ 158.550 χ^2 /NDF: 86.5/35

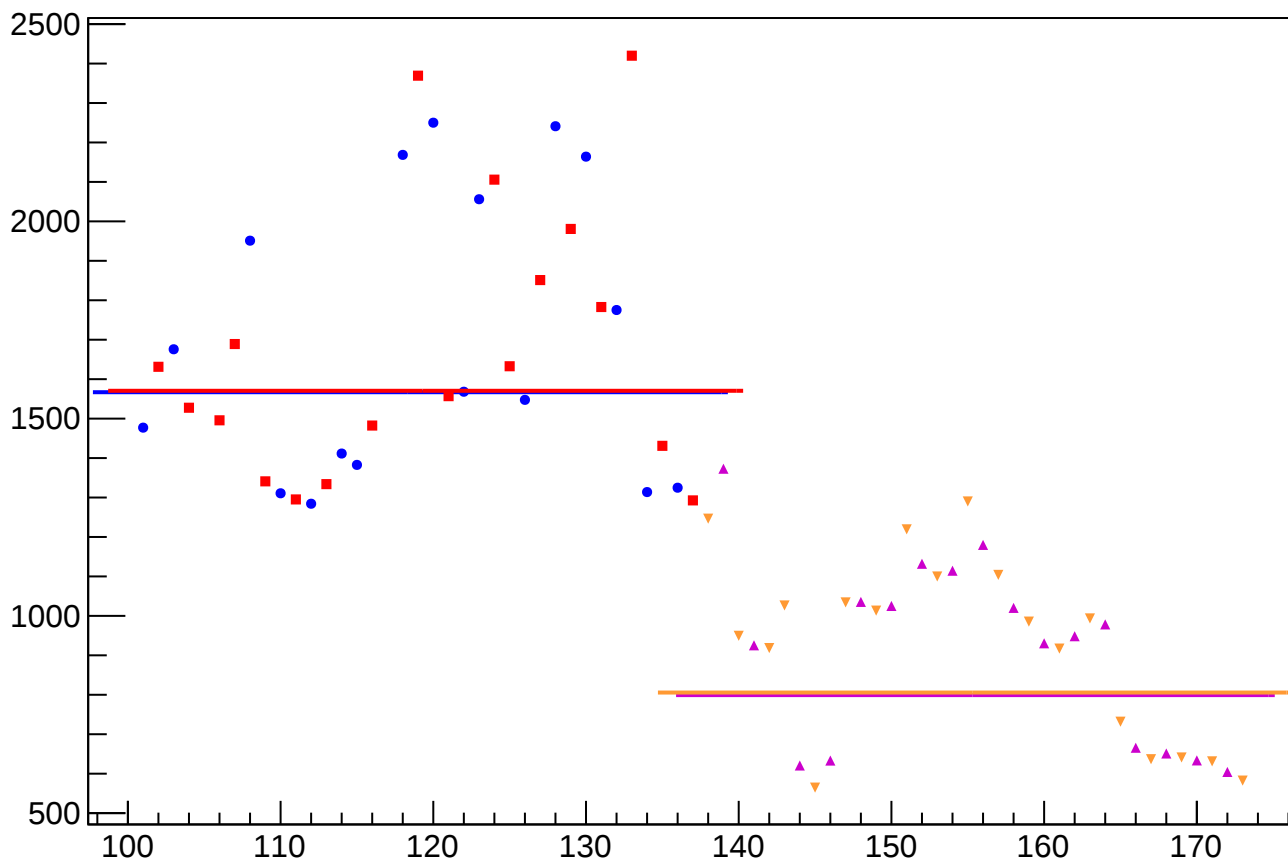
Right: -190.951 $\pm$ 432.940 χ^2 /NDF: 38.2/34

In: 152.661 $\pm$ 213.318 χ^2 /NDF: 44.1/33

Out: 905.039 $\pm$ 207.886 χ^2 /NDF: 77.4/36

All: 538.551 $\pm$ 148.881 χ^2 /NDF: 127.9/70

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1566.937 $\pm$ 0.439 χ^2 /NDF: 499846.2/16

Left Out: 805.668 $\pm$ 0.157 χ^2 /NDF: 2045003.7/18

Right Out: 1570.549 $\pm$ 0.427 χ^2 /NDF: 439261.0/17

Left In: 799.152 $\pm$ 0.161 χ^2 /NDF: 1740832.9/16

Left: 802.494 $\pm$ 0.112 χ^2 /NDF: 3786680.5/35

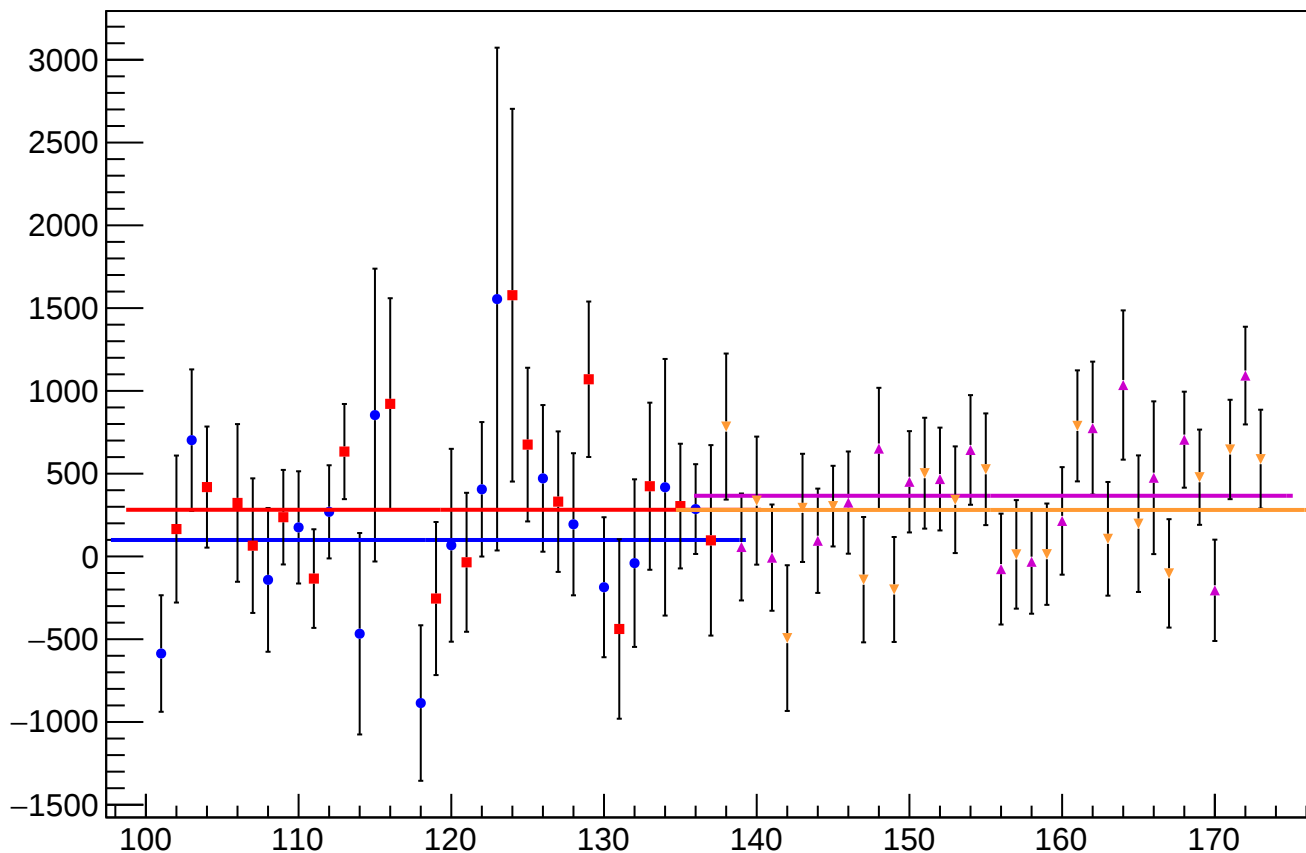
Right: 1568.791 $\pm$ 0.306 χ^2 /NDF: 939142.0/34

In: 889.860 $\pm$ 0.151 χ^2 /NDF: 4940021.1/33

Out: 896.202 $\pm$ 0.147 χ^2 /NDF: 5309623.3/36

All: 893.113 $\pm$ 0.105 χ^2 /NDF: 10250551.2/70

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 99.387 $\pm$ 103.463 χ^2 /NDF: 15.9/16

Left Out: 280.846 $\pm$ 75.717 χ^2 /NDF:17.4/18

Right Out: 281.830 $\pm$ 97.880 χ^2 /NDF: 13.7/17

Left In: 366.474 $\pm$ 80.098 χ^2 /NDF:22.3/16

Left: 321.254 $\pm$ 55.024 χ^2 /NDF: 40.3/35

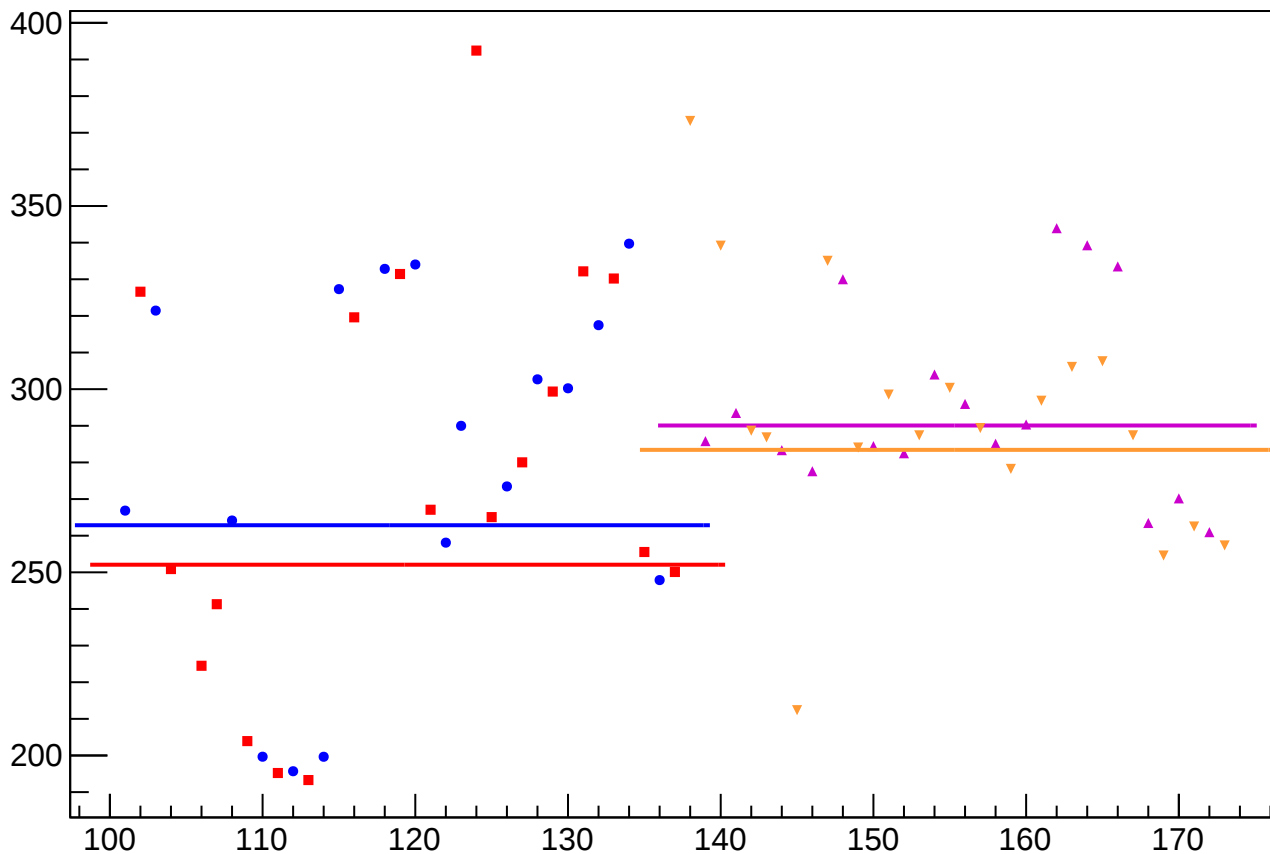
Right: 195.664 $\pm$ 71.104 χ^2 /NDF: 31.3/34

In: 266.386 $\pm$ 63.336 χ^2 /NDF:42.4/33

Out: 281.214 $\pm$ 59.889 χ^2 /NDF:31.1/36

All: 274.215 $\pm$ 43.516 χ^2 /NDF: 73.5/70

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 262.856 $\pm$ 0.073 χ^2/NDF : 411698.3/16

Left Out: 283.433 $\pm$ 0.054 χ^2/NDF :407094.0/18

Right Out: 252.079 $\pm$ 0.069 χ^2/NDF : 515150.4/17

Left In: 290.083 $\pm$ 0.057 χ^2/NDF :157231.7/16

Left: 286.571 $\pm$ 0.039 χ^2/NDF : 571604.9/35

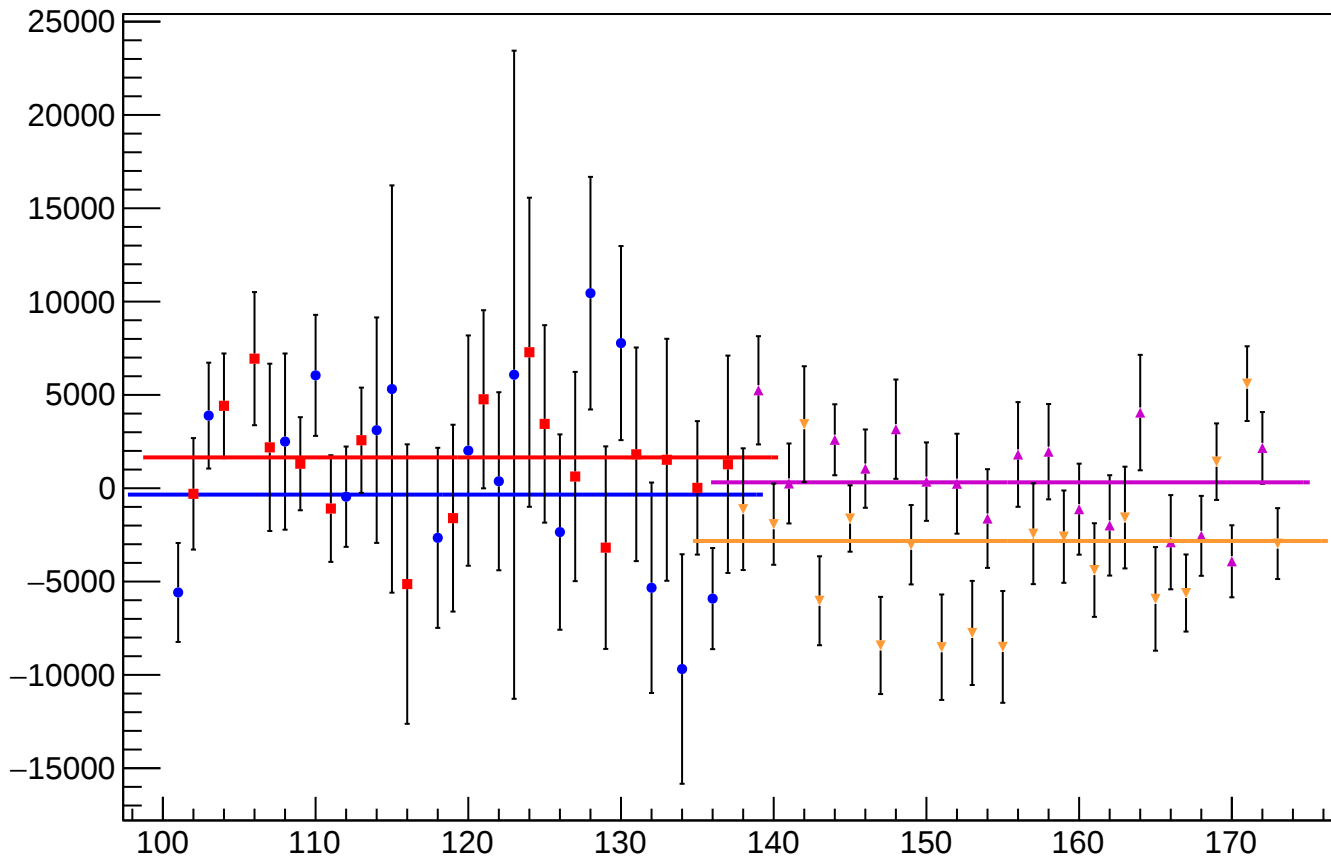
Right: 257.169 $\pm$ 0.050 χ^2/NDF : 938300.0/34

In: 279.880 $\pm$ 0.045 χ^2/NDF :655524.5/33

Out: 271.695 $\pm$ 0.042 χ^2/NDF :1050634.2/36

All: 275.559 $\pm$ 0.031 χ^2/NDF : 1723792.8/70

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -341.538+/-1004.635 χ^2/NDF : 24.4/16

Left Out: -2826.423+/-545.704 χ^2/NDF : 47.9/18

Right Out: 1651.954+/-929.858 χ^2/NDF : 7.9/17

Left In: 316.455+/-568.270 χ^2/NDF : 18.5/16

Left: -1318.625+/-393.607 χ^2/NDF : 82.3/35

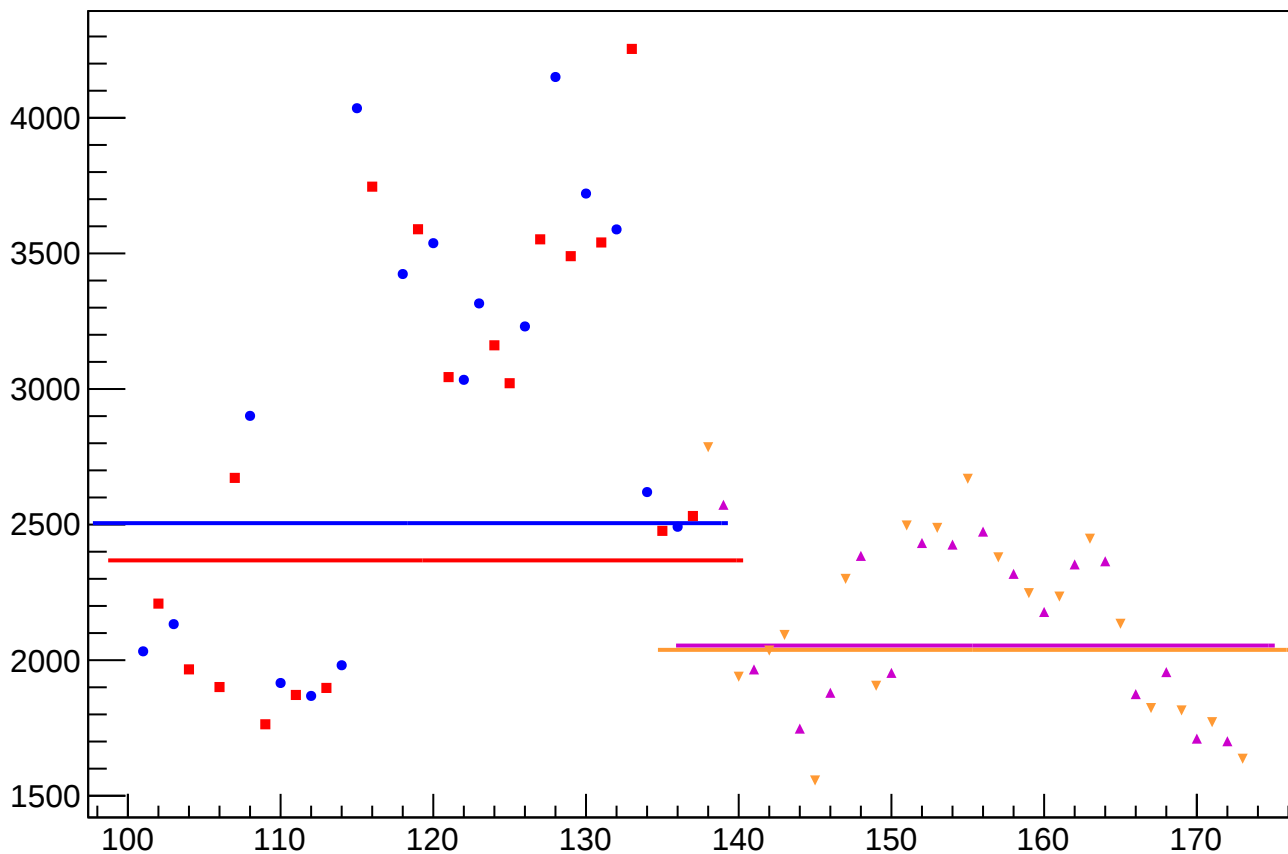
Right: 732.150+/-682.415 χ^2/NDF : 34.5/34

In: 156.957+/-494.624 χ^2/NDF : 43.3/33

Out: -1679.145+/-470.642 χ^2/NDF : 73.1/36

All: -806.684+/-340.957 χ^2/NDF : 123.6/70

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 2505.329+/-0.710 χ^2/NDF : 864133.9/16

Left Out: 2038.078+/-0.386 χ^2/NDF : 754603.8/18

Right Out: 2368.003+/-0.658 χ^2/NDF : 1030879.9/17

Left In: 2053.911+/-0.402 χ^2/NDF : 509523.5/16

Left: 2045.674+/-0.278 χ^2/NDF : 1264934.9/35

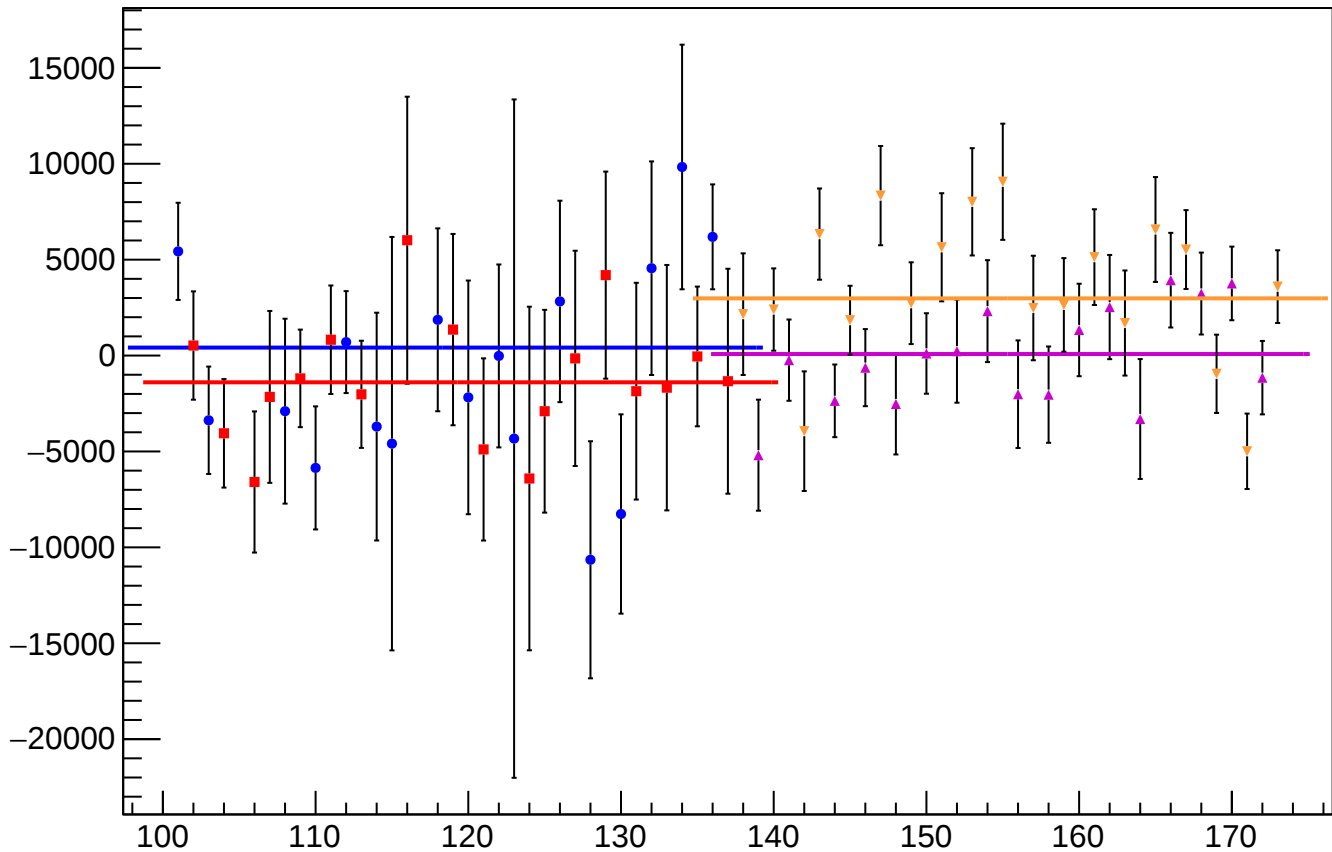
Right: 2431.366+/-0.483 χ^2/NDF : 1915141.0/34

In: 2163.335+/-0.350 χ^2/NDF : 1679580.0/33

Out: 2122.599+/-0.333 χ^2/NDF : 1972764.4/36

All: 2141.956+/-0.241 χ^2/NDF : 3659464.0/70

asym_sam4_mean vs Slug, Sign Corrected



Right In: 415.549 ± 994.913 χ^2/NDF : 24.5/16

Left Out: 2981.976 ± 543.726 χ^2/NDF : 44.5/18

Right Out: -1394.660 ± 928.996 χ^2/NDF : 7.5/17

Left In: 79.444 ± 564.051 χ^2/NDF : 19.1/16

Left: 1583.946 ± 391.461 χ^2/NDF : 77.2/35

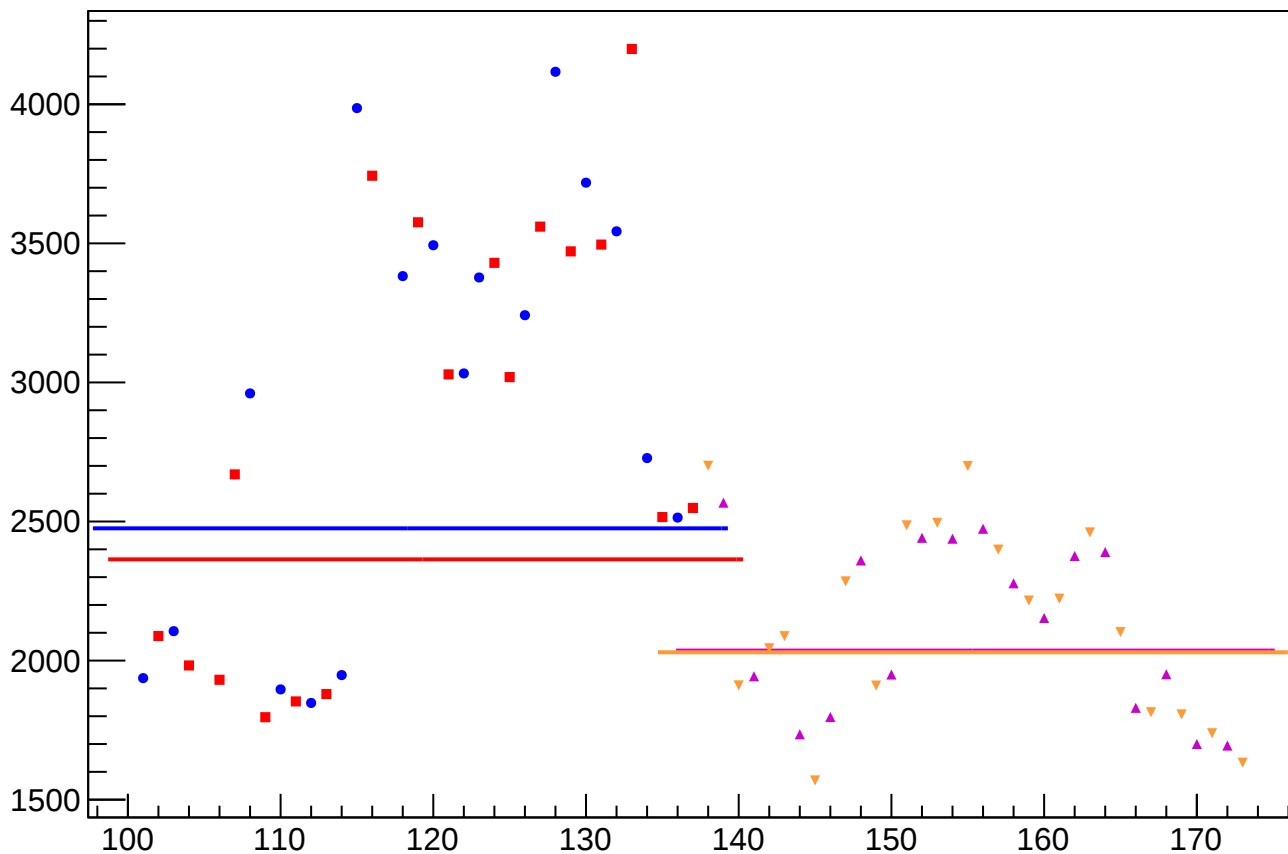
Right: -551.504 ± 679.008 χ^2/NDF : 33.8/34

In: 161.197 ± 490.680 χ^2/NDF : 43.6/33

Out: 1865.265 ± 469.260 χ^2/NDF : 68.5/36

All: 1051.236 ± 339.137 χ^2/NDF : 118.5/70

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2475.435+/-0.704 χ^2/NDF : 913073.5/16

Left Out: 2029.805+/-0.384 χ^2/NDF : 748342.1/18

Right Out: 2363.907+/-0.657 χ^2/NDF : 1026875.6/17

Left In: 2035.957+/-0.399 χ^2/NDF : 546058.4/16

Left: 2032.769+/-0.277 χ^2/NDF : 1294523.8/35

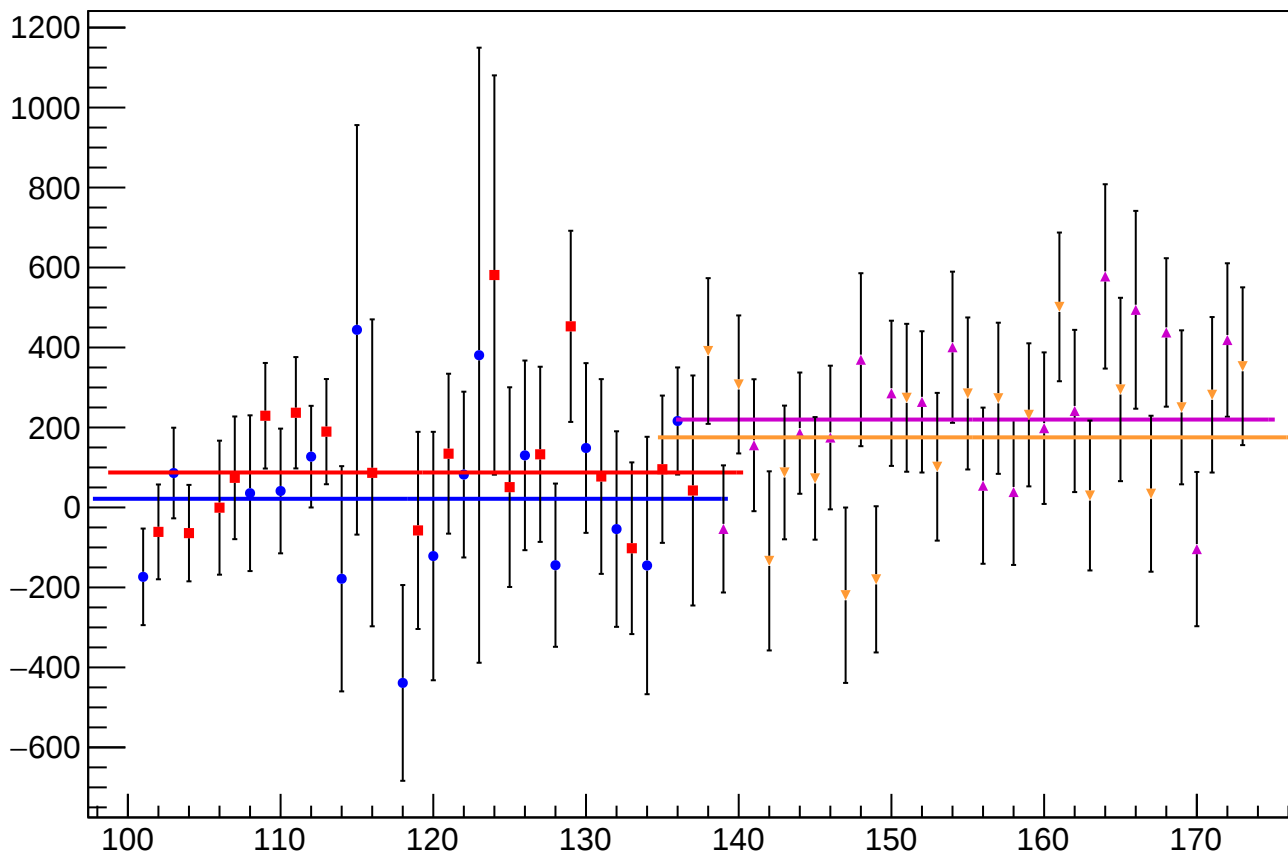
Right: 2415.854+/-0.480 χ^2/NDF : 1953375.1/34

In: 2142.854+/-0.347 χ^2/NDF : 1754452.3/33

Out: 2115.052+/-0.332 χ^2/NDF : 1967893.1/36

All: 2128.333+/-0.240 χ^2/NDF : 3725698.8/70

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 21.649 $\pm$ 45.157 χ^2/NDF : 12.6/16

Left Out: 175.296 $\pm$ 43.033 χ^2/NDF : 18.5/18

Right Out: 87.439 $\pm$ 41.826 χ^2/NDF : 10.9/17

Left In: 219.795 $\pm$ 45.211 χ^2/NDF : 15.5/16

Left: 196.448 $\pm$ 31.170 χ^2/NDF : 34.5/35

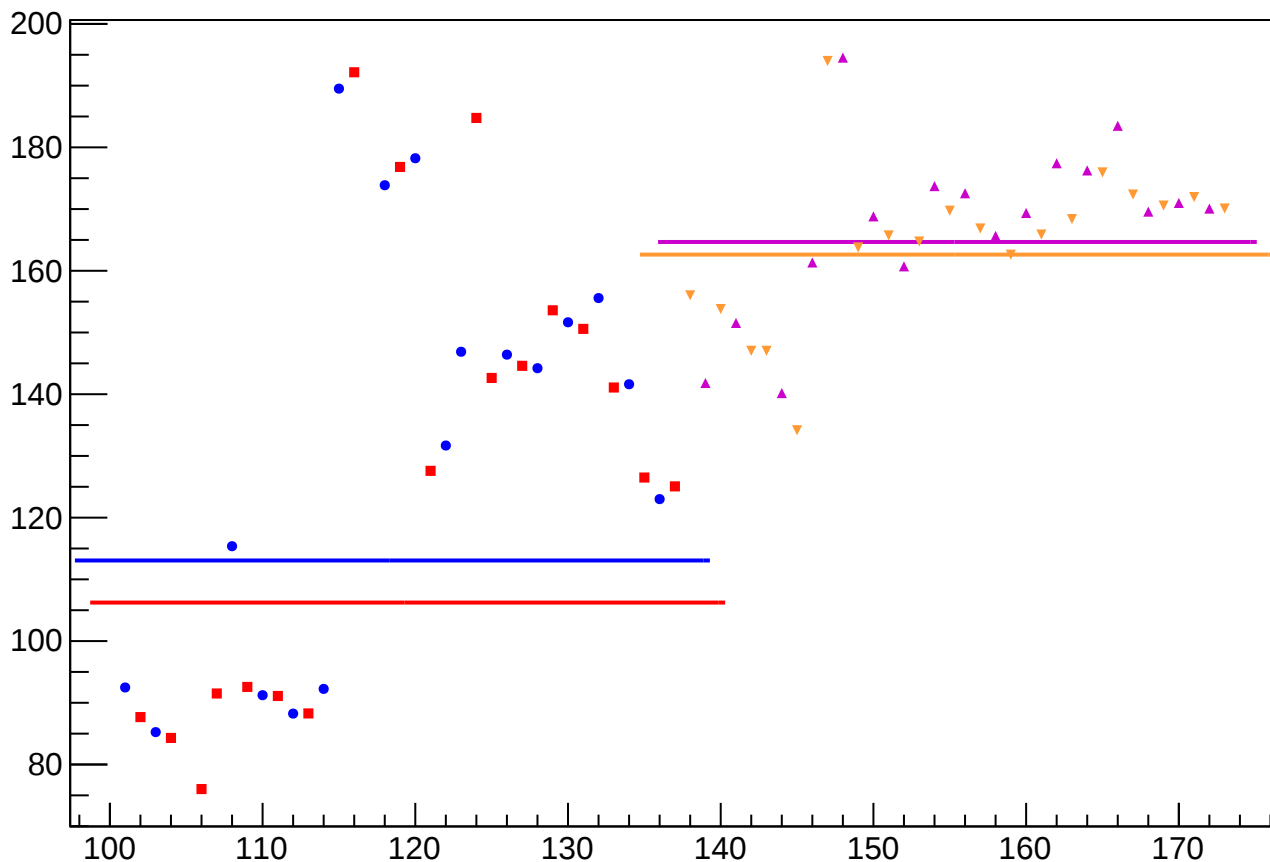
Right: 57.059 $\pm$ 30.686 χ^2/NDF : 24.7/34

In: 120.603 $\pm$ 31.950 χ^2/NDF : 37.7/33

Out: 130.118 $\pm$ 29.993 χ^2/NDF : 31.6/36

All: 125.661 $\pm$ 21.867 χ^2/NDF : 69.3/70

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.059+/-0.032 χ^2/NDF : 820795.9/16

Left Out: 162.624+/-0.030 χ^2/NDF :174636.1/18

Right Out: 106.240+/-0.030 χ^2/NDF : 951702.9/17

Left In: 164.668+/-0.032 χ^2/NDF :185833.1/16

Left: 163.596+/-0.022 χ^2/NDF : 362615.4/35

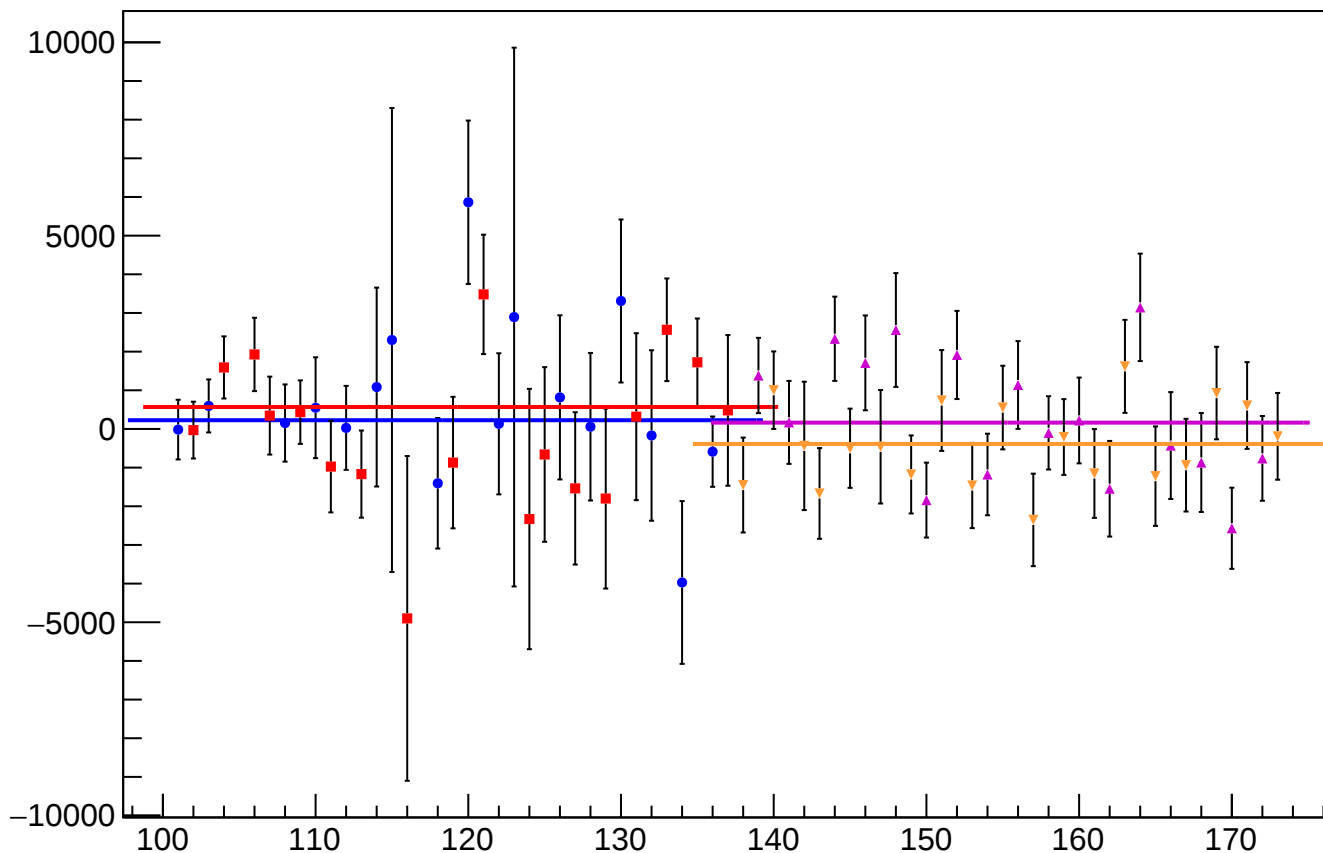
Right: 109.389+/-0.022 χ^2/NDF : 1797042.6/34

In: 138.832+/-0.023 χ^2/NDF :2311272.9/33

Out: 133.630+/-0.021 χ^2/NDF :2891883.1/36

All: 136.067+/-0.015 χ^2/NDF : 5231339.0/70

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: 225.635 $\pm$ 321.412 χ^2 /NDF: 16.0/16

Left Out: -388.136 $\pm$ 265.477 χ^2 /NDF:15.6/18

Right Out: 568.109 $\pm$ 290.500 χ^2 /NDF: 21.0/17

Left In: 163.634 $\pm$ 273.444 χ^2 /NDF:33.7/16

Left: -120.406 $\pm$ 190.475 χ^2 /NDF: 51.3/35

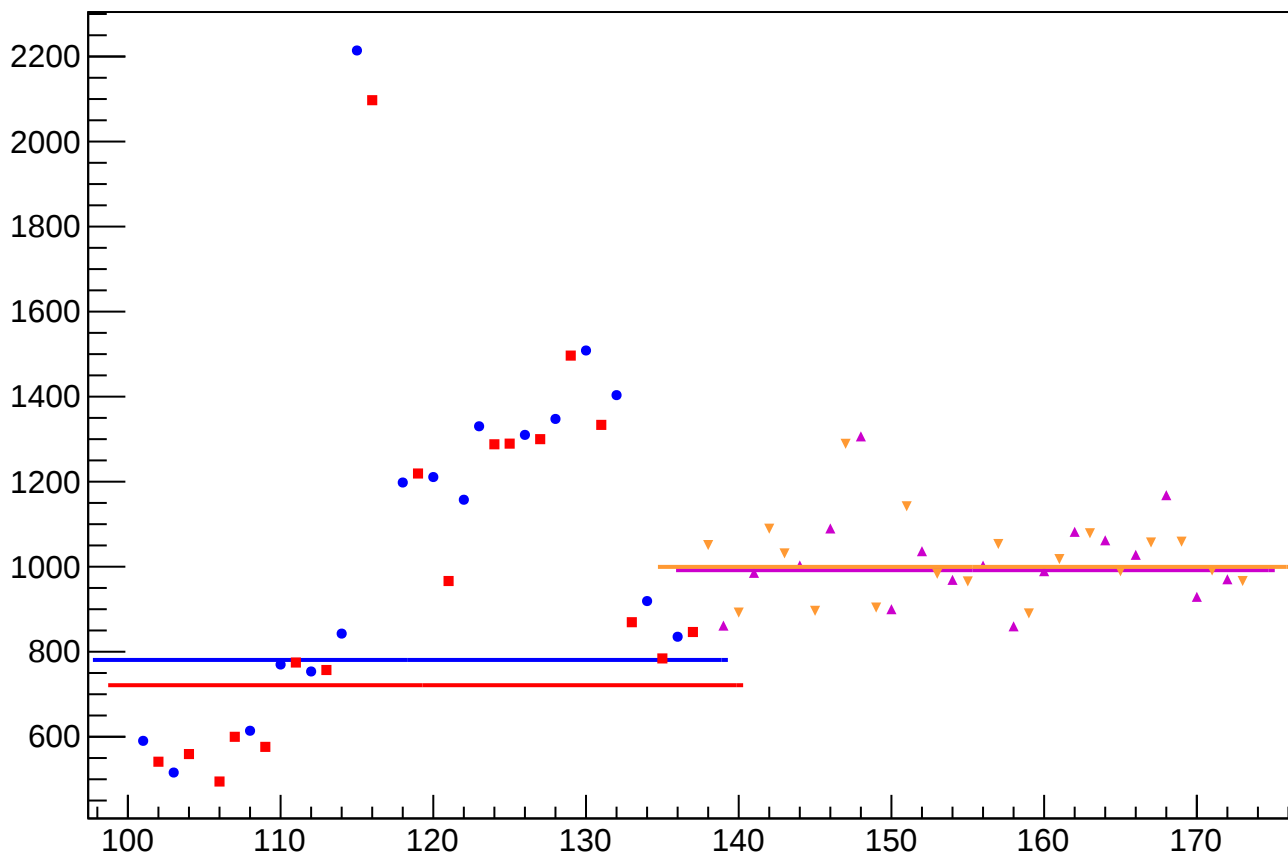
Right: 414.129 $\pm$ 215.517 χ^2 /NDF: 37.6/34

In: 189.667 $\pm$ 208.270 χ^2 /NDF:49.7/33

Out: 47.035 $\pm$ 195.971 χ^2 /NDF:42.4/36

All: 114.016 $\pm$ 142.722 χ^2 /NDF: 92.3/70

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 780.700 $\pm$ 0.227 χ^2 /NDF: 1609510.2/16

Left Out: 999.585 $\pm$ 0.188 χ^2 /NDF: 225894.5/18

Right Out: 721.264 $\pm$ 0.205 χ^2 /NDF: 1626627.9/17

Left In: 991.842 $\pm$ 0.193 χ^2 /NDF: 264405.2/16

Left: 995.828 $\pm$ 0.135 χ^2 /NDF: 491125.3/35

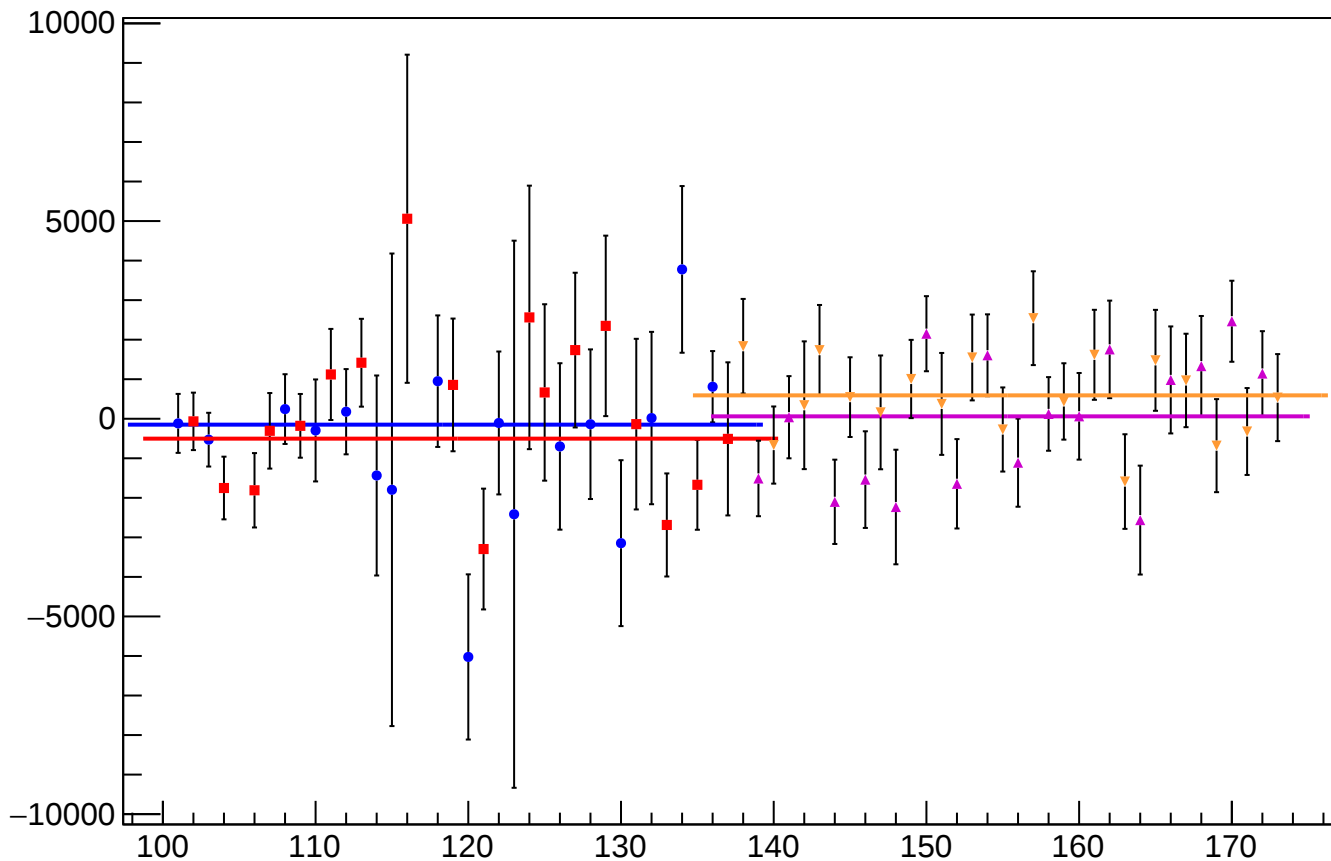
Right: 747.987 $\pm$ 0.152 χ^2 /NDF: 3273780.9/34

In: 903.187 $\pm$ 0.147 χ^2 /NDF: 2374606.2/33

Out: 872.925 $\pm$ 0.139 χ^2 /NDF: 2852890.3/36

All: 887.136 $\pm$ 0.101 χ^2 /NDF: 5249891.9/70

asym_sam5_mean vs Slug, Sign Corrected



Right In: -149.163+/-312.963 χ^2/NDF : 16.1/16

Left Out: 591.622+/-261.008 χ^2/NDF :14.8/18

Right Out: -503.162+/-285.781 χ^2/NDF : 23.6/17

Left In: 60.748+/-268.783 χ^2/NDF :35.0/16

Left: 333.974+/-187.249 χ^2/NDF : 51.8/35

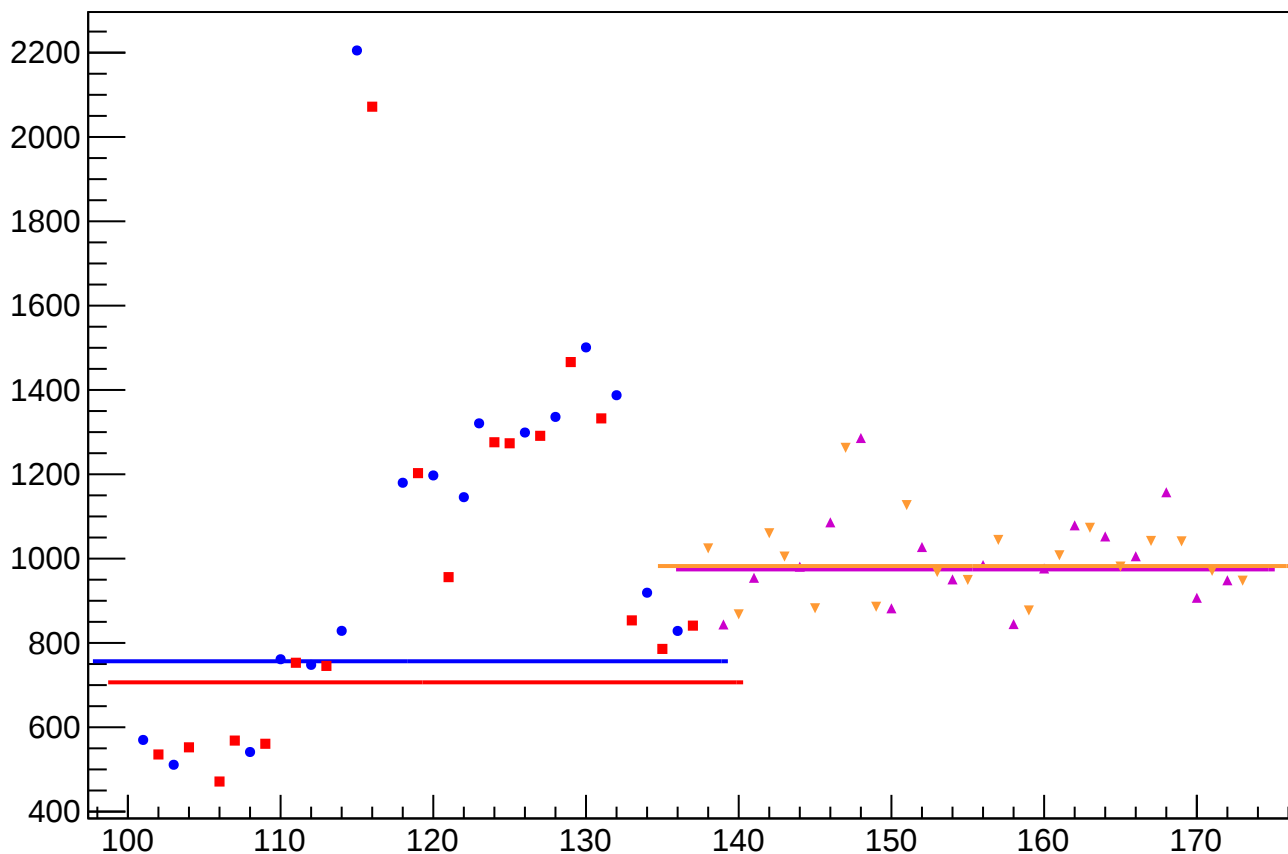
Right: -342.200+/-211.034 χ^2/NDF : 40.4/34

In: -28.357+/-203.905 χ^2/NDF :51.4/33

Out: 93.728+/-192.725 χ^2/NDF :46.4/36

All: 36.124+/-140.063 χ^2/NDF : 98.0/70

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.539+/-0.221 χ^2/NDF : 1713642.0/16

Left Out: 982.367+/-0.185 χ^2/NDF : 231553.7/18

Right Out: 706.550+/-0.202 χ^2/NDF : 1670007.9/17

Left In: 974.373+/-0.190 χ^2/NDF : 284038.0/16

Left: 978.487+/-0.132 χ^2/NDF : 516502.1/35

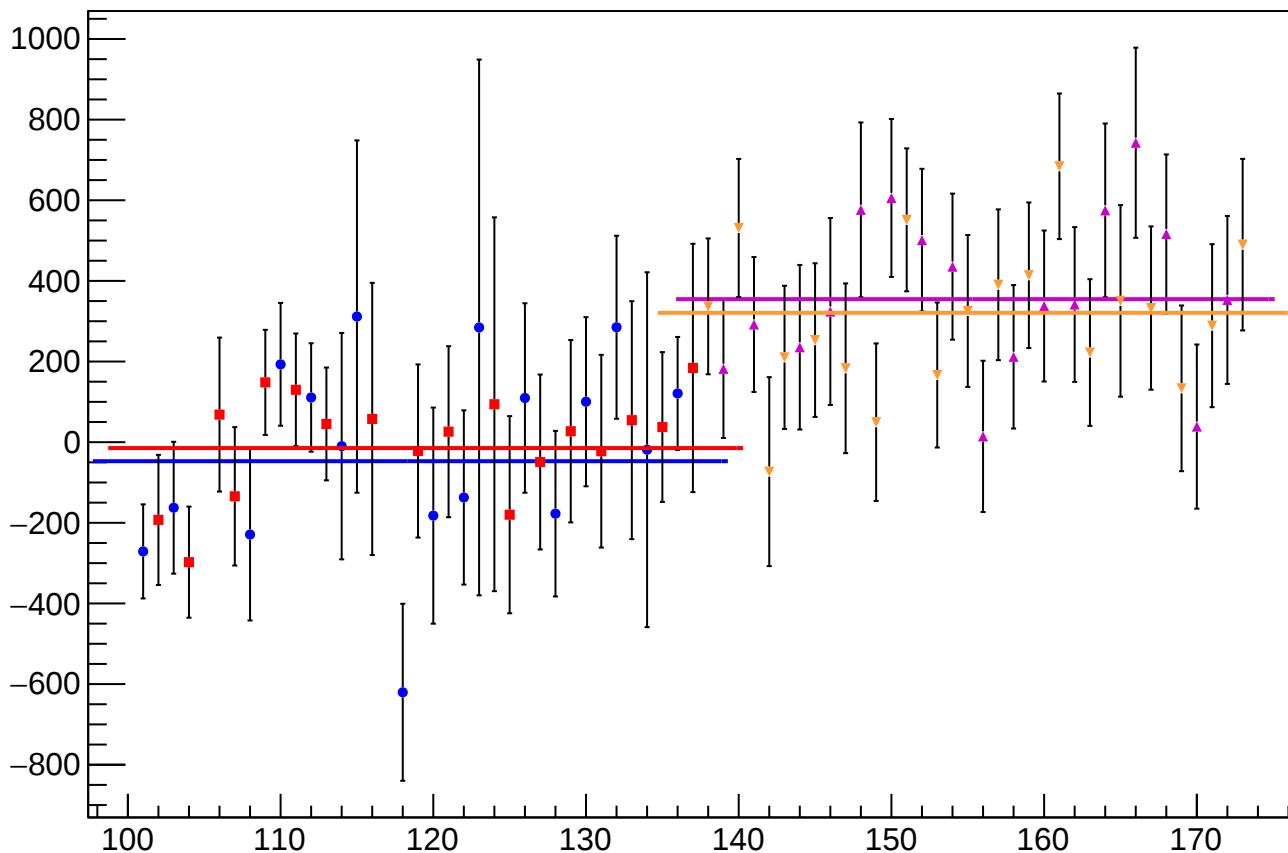
Right: 729.280+/-0.149 χ^2/NDF : 3411474.4/34

In: 881.904+/-0.144 χ^2/NDF : 2555312.7/33

Out: 856.929+/-0.136 χ^2/NDF : 2917274.4/36

All: 868.713+/-0.099 χ^2/NDF : 5488435.1/70

dit_asym_sam6_mean vs Slug, Sign Corrected



Left: 336.631 ± 32.122 χ^2/NDF : 32.0/35

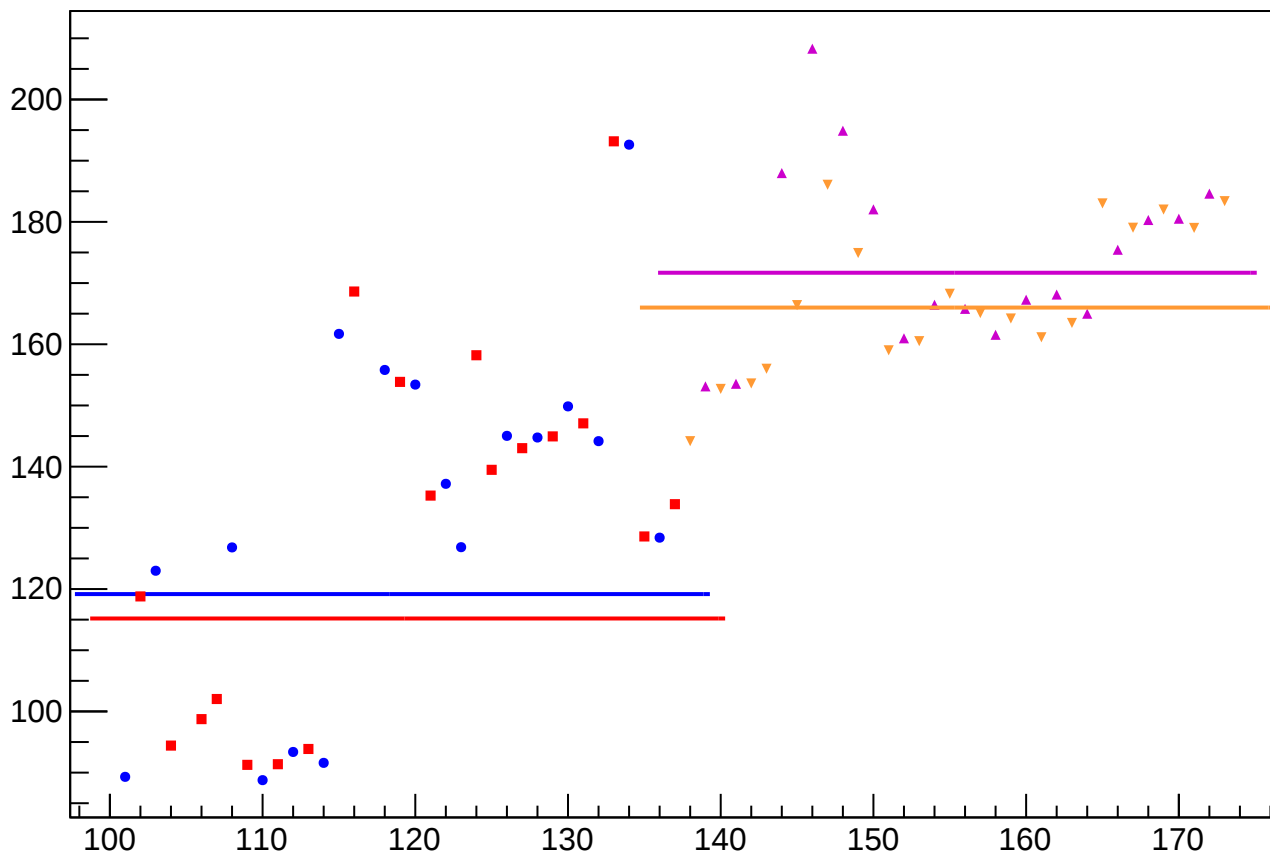
Right: -30.035 ± 32.535 χ^2/NDF : 32.3/34

In: 154.396 ± 33.375 χ^2/NDF : 74.0/33

Out: 156.739 ± 31.371 χ^2/NDF : 54.6/36

All: 155.640 ± 22.858 χ^2/NDF : 128.6/70

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 119.175+/-0.033 χ^2/NDF : 615304.2/16

Left Out: 165.998+/-0.031 χ^2/NDF :139627.7/18

Right Out: 115.188+/-0.032 χ^2/NDF : 675564.7/17

Left In: 171.688+/-0.033 χ^2/NDF :175084.9/16

Left: 168.641+/-0.023 χ^2/NDF : 330324.4/35

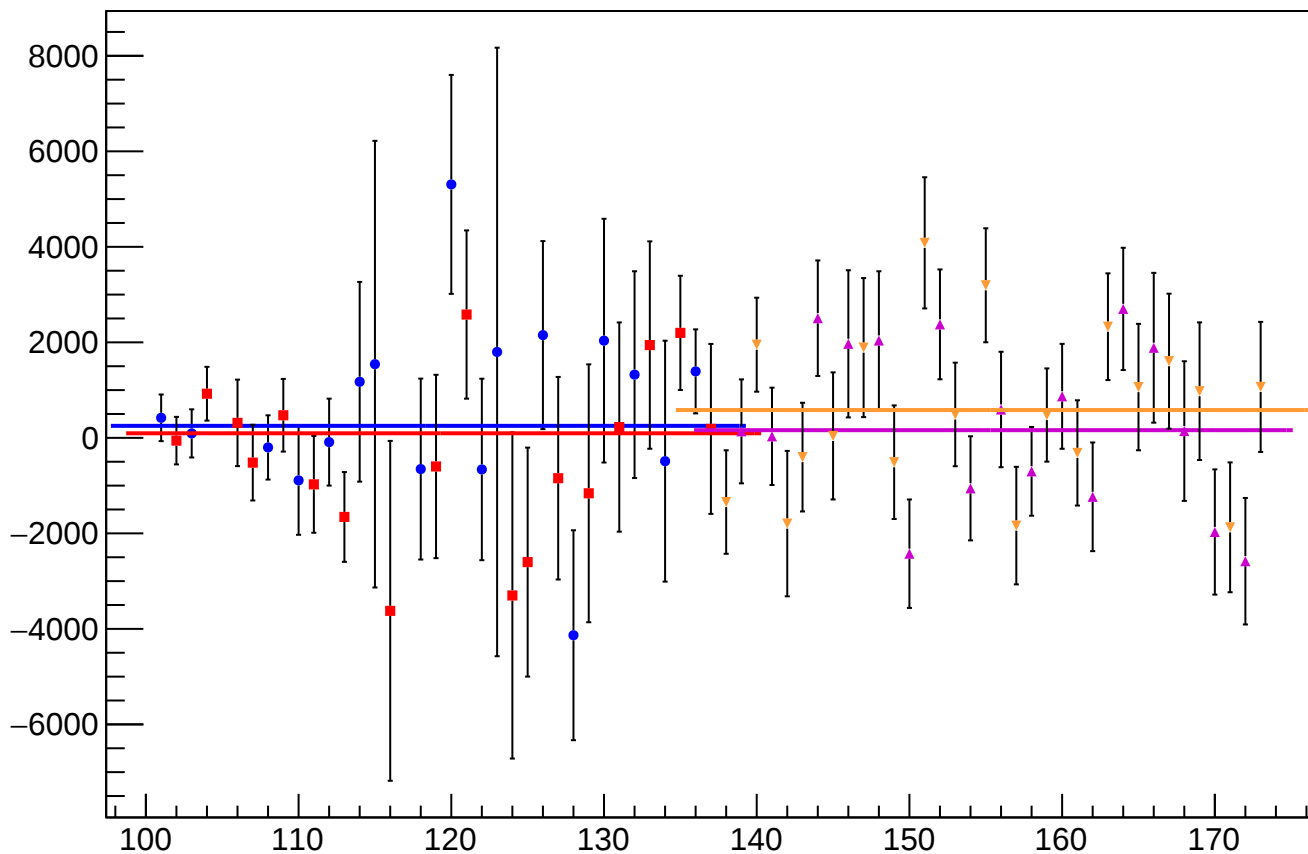
Right: 117.077+/-0.023 χ^2/NDF : 1298359.0/34

In: 145.509+/-0.024 χ^2/NDF :2028216.6/33

Out: 141.138+/-0.022 χ^2/NDF :2126249.0/36

All: 143.188+/-0.016 χ^2/NDF : 4172672.9/70

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: 251.733+/-252.819 χ^2/NDF : 14.9/16

Left Out: 582.408+/-278.618 χ^2/NDF : 32.5/18

Right Out: 95.805+/-245.748 χ^2/NDF : 17.5/17

Left In: 161.051+/-290.635 χ^2/NDF : 32.0/16

Left: 380.621+/-201.127 χ^2/NDF : 65.6/35

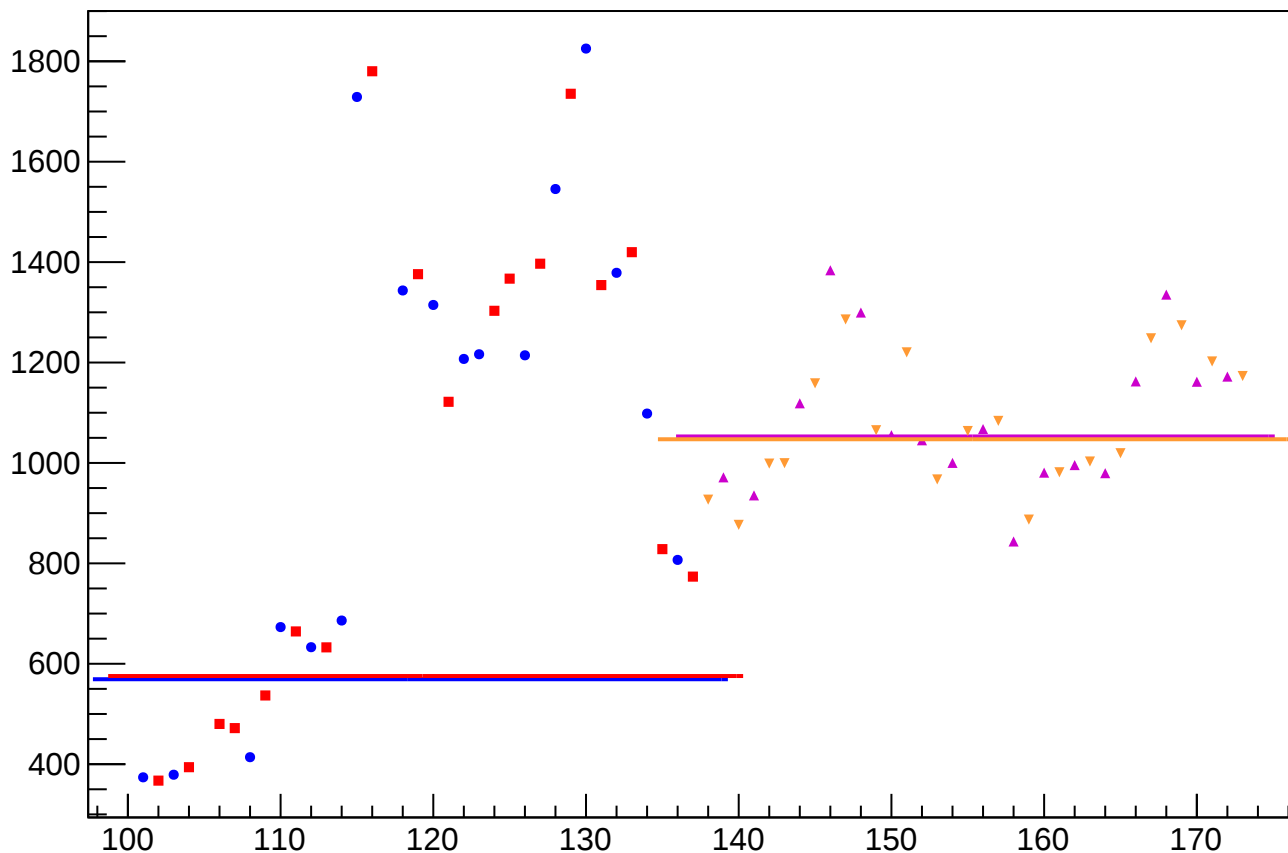
Right: 171.557+/-176.217 χ^2/NDF : 32.5/34

In: 212.671+/-190.749 χ^2/NDF : 46.9/33

Out: 308.723+/-184.301 χ^2/NDF : 51.7/36

All: 262.348+/-132.541 χ^2/NDF : 98.7/70

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 569.200+/-0.179 χ^2/NDF : 3267047.1/16

Left Out: 1047.170+/-0.197 χ^2/NDF : 401401.6/18

Right Out: 575.584+/-0.174 χ^2/NDF : 3058273.5/17

Left In: 1052.744+/-0.206 χ^2/NDF : 434870.8/16

Left: 1049.839+/-0.142 χ^2/NDF : 836655.9/35

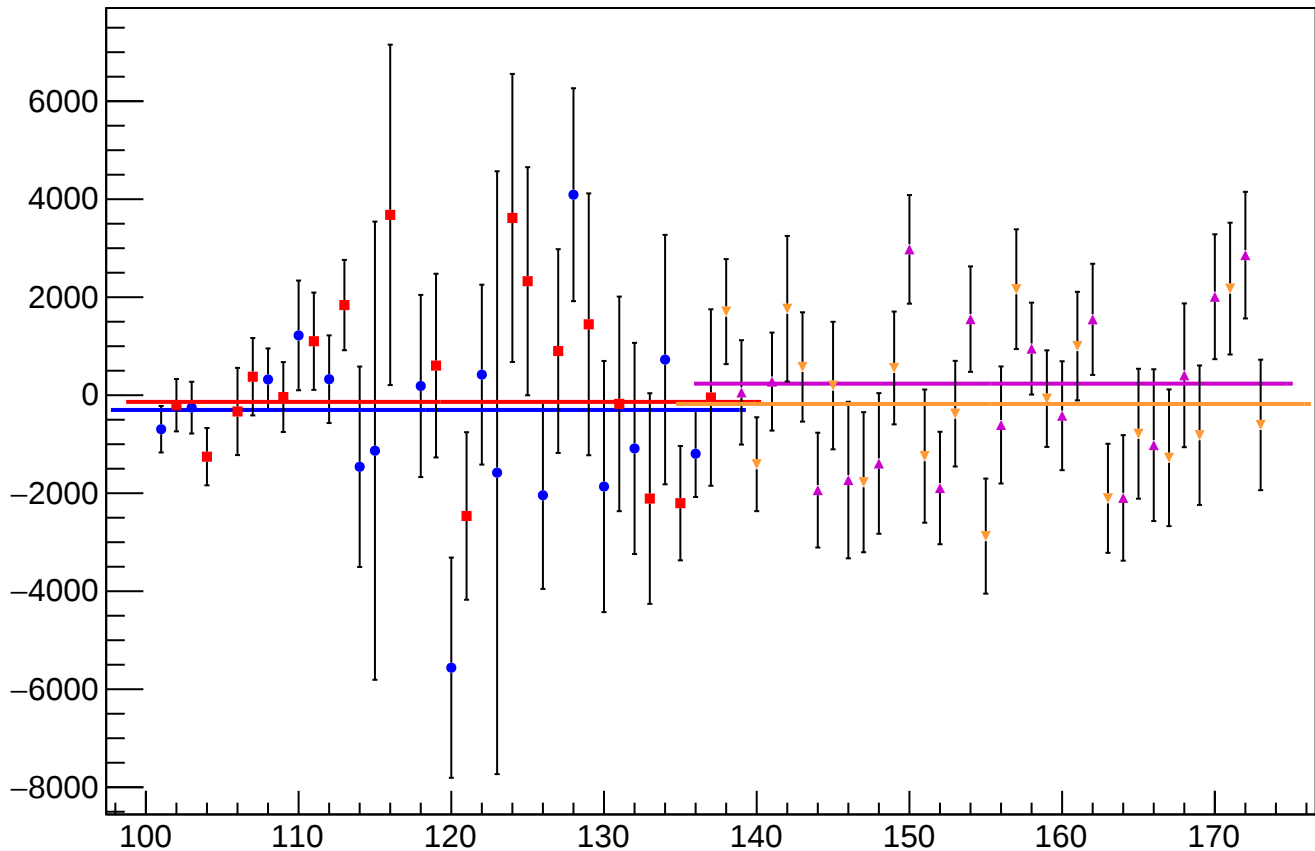
Right: 572.482+/-0.125 χ^2/NDF : 6325976.2/34

In: 777.487+/-0.135 χ^2/NDF : 6853355.5/33

Out: 781.931+/-0.130 χ^2/NDF : 6682313.1/36

All: 779.785+/-0.094 χ^2/NDF : 13536230.0/70

asym_sam6_mean vs Slug, Sign Corrected



Right In: -300.652 ± 250.302 $\chi^2/\text{NDF}: 16.7/16$

Left Out: -178.067 ± 275.294 $\chi^2/\text{NDF}: 26.6/18$

Right Out: -136.107 ± 247.692 $\chi^2/\text{NDF}: 20.9/17$

Left In: 236.230 ± 288.045 $\chi^2/\text{NDF}: 30.1/16$

Left: 19.709 ± 199.017 $\chi^2/\text{NDF}: 57.8/35$

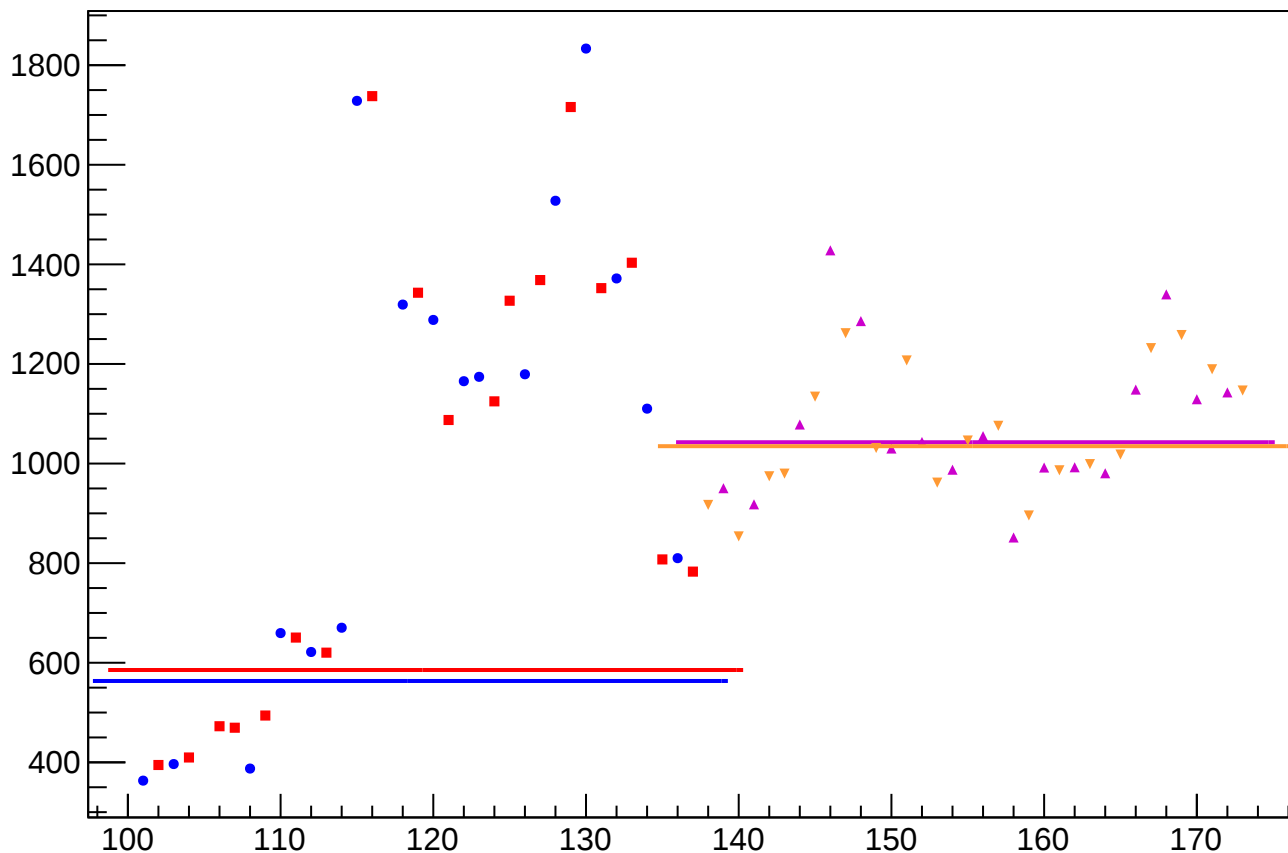
Right: -217.517 ± 176.060 $\chi^2/\text{NDF}: 37.8/34$

In: -69.667 ± 188.935 $\chi^2/\text{NDF}: 48.8/33$

Out: -154.879 ± 184.132 $\chi^2/\text{NDF}: 47.5/36$

All: -113.369 ± 131.866 $\chi^2/\text{NDF}: 96.4/70$

asym_sam6_rms vs Slug, Sign Corrected



Right In: 563.393+/-0.177 χ^2/NDF : 3259045.7/16

Left Out: 1034.881+/-0.195 χ^2/NDF : 385353.0/18

Right Out: 585.438+/-0.175 χ^2/NDF : 2818143.7/17

Left In: 1042.824+/-0.204 χ^2/NDF : 435957.4/16

Left: 1038.673+/-0.141 χ^2/NDF : 822105.2/35

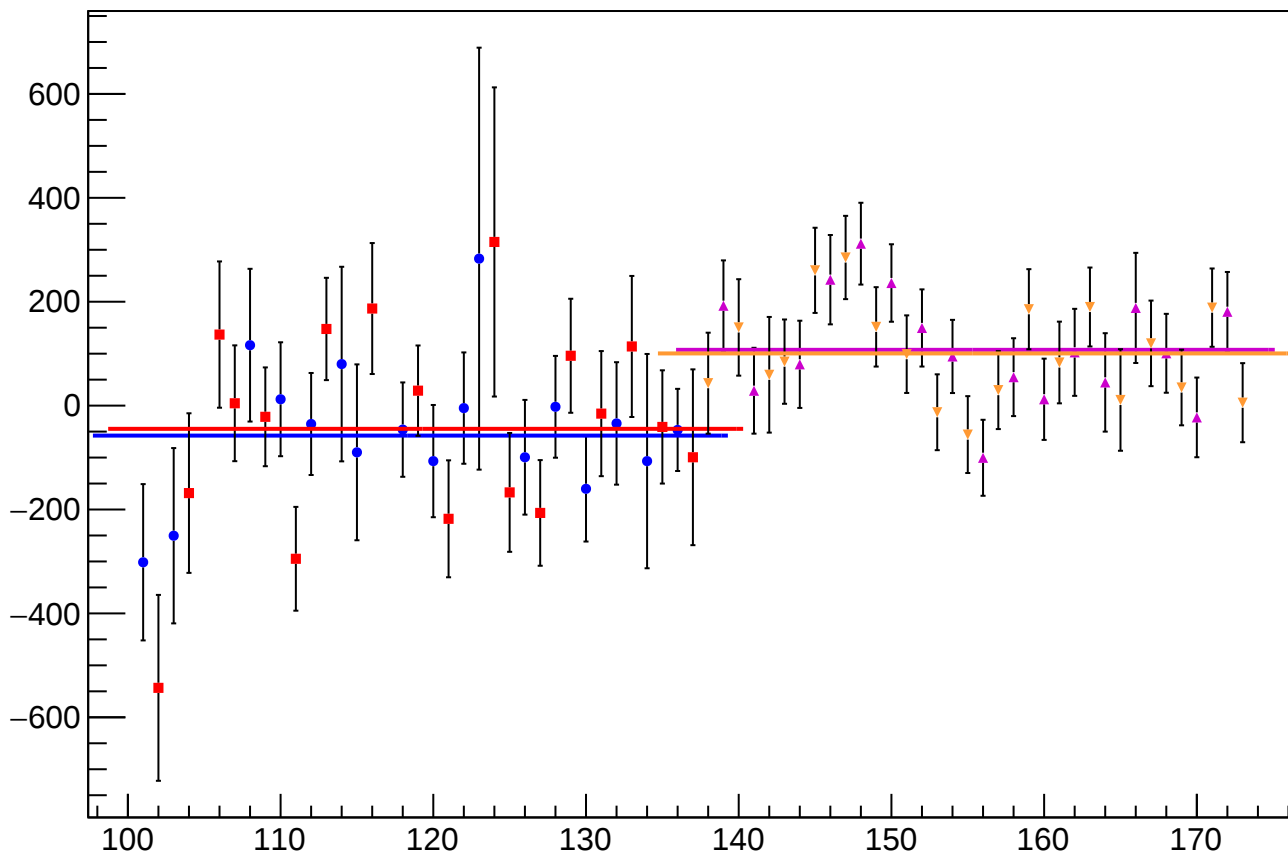
Right: 574.531+/-0.124 χ^2/NDF : 6085027.9/34

In: 769.661+/-0.134 χ^2/NDF : 6851878.5/33

Out: 786.505+/-0.130 χ^2/NDF : 6149408.2/36

All: 778.300+/-0.093 χ^2/NDF : 13009439.0/70

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.709 ± 28.693 $\chi^2/\text{NDF}: 9.1/16$

Left Out: 100.454 ± 18.412 $\chi^2/\text{NDF}: 25.4/18$

Right Out: -44.693 ± 27.711 $\chi^2/\text{NDF}: 35.2/17$

Left In: 107.390 ± 19.375 $\chi^2/\text{NDF}: 29.4/16$

Left: 103.745 ± 13.347 $\chi^2/\text{NDF}: 54.8/35$

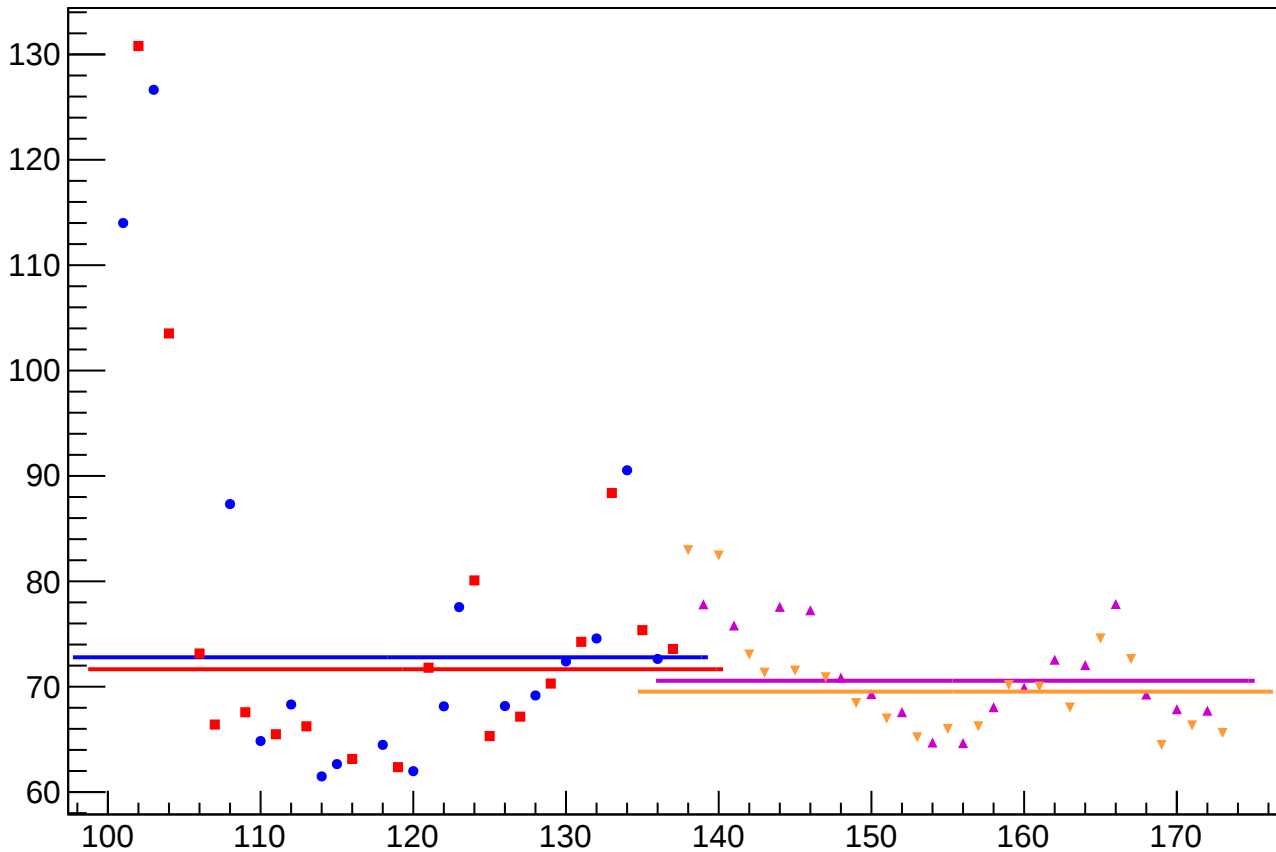
Right: -50.974 ± 19.933 $\chi^2/\text{NDF}: 44.4/34$

In: 55.687 ± 16.057 $\chi^2/\text{NDF}: 61.2/33$

Out: 56.000 ± 15.336 $\chi^2/\text{NDF}: 79.6/36$

All: 55.851 ± 11.090 $\chi^2/\text{NDF}: 140.8/70$

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.790 $\pm$ 0.020 χ^2/NDF : 464772.9/16

Left Out: 69.533 $\pm$ 0.013 χ^2/NDF : 127517.5/18

Right Out: 71.655 $\pm$ 0.020 χ^2/NDF : 404376.9/17

Left In: 70.563 $\pm$ 0.014 χ^2/NDF : 97923.4/16

Left: 70.022 $\pm$ 0.009 χ^2/NDF : 228411.8/35

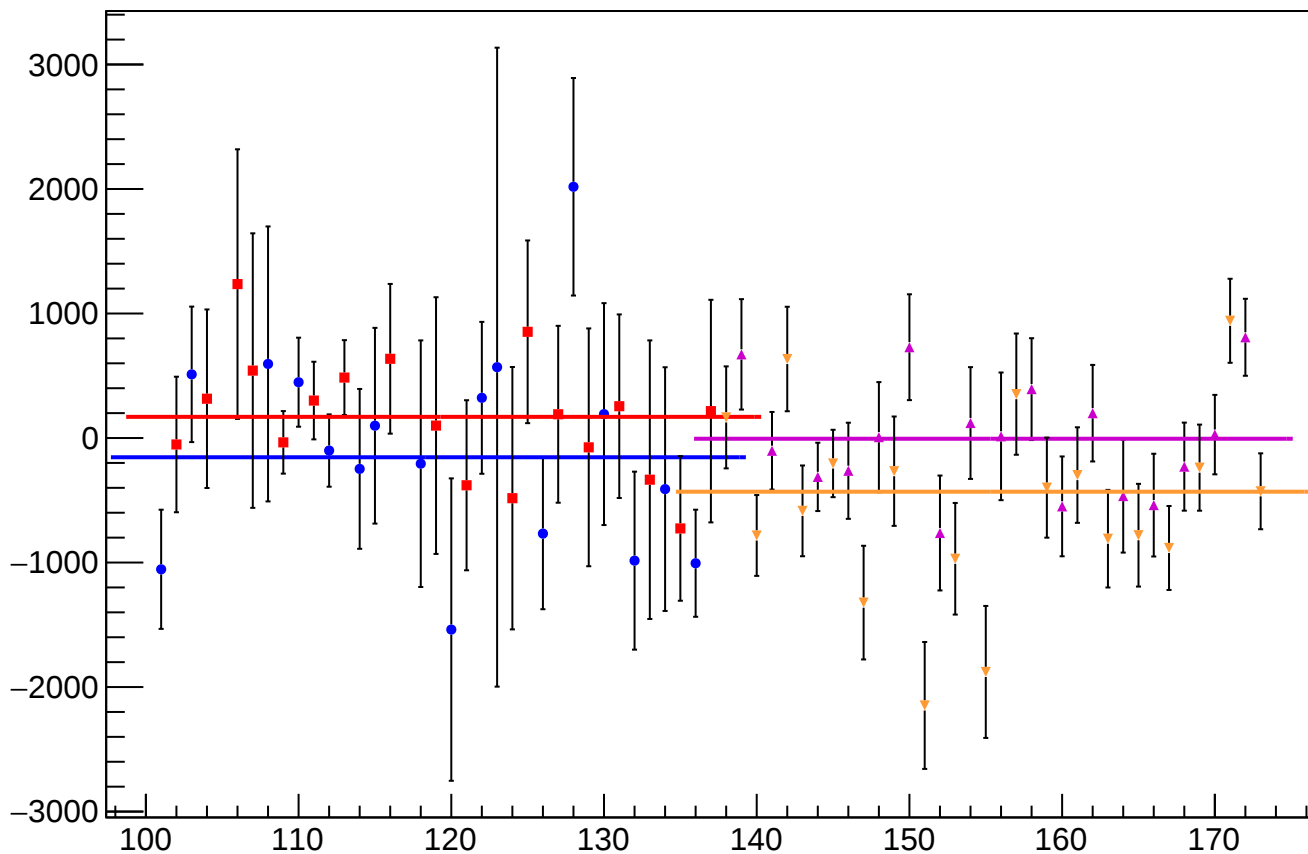
Right: 72.203 $\pm$ 0.014 χ^2/NDF : 870767.9/34

In: 71.260 $\pm$ 0.011 χ^2/NDF : 570969.9/33

Out: 70.183 $\pm$ 0.011 χ^2/NDF : 540033.0/36

All: 70.697 $\pm$ 0.008 χ^2/NDF : 1115712.6/70

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -154.404 $\pm$ 140.700 χ^2/NDF : 23.2/16

Left Out: -431.132 $\pm$ 87.369 χ^2/NDF : 57.8/18

Right Out: 170.028 $\pm$ 126.220 χ^2/NDF : 8.4/17

Left In: -5.795 $\pm$ 92.307 χ^2/NDF : 23.0/16

Left: -230.144 $\pm$ 63.453 χ^2/NDF : 92.1/35

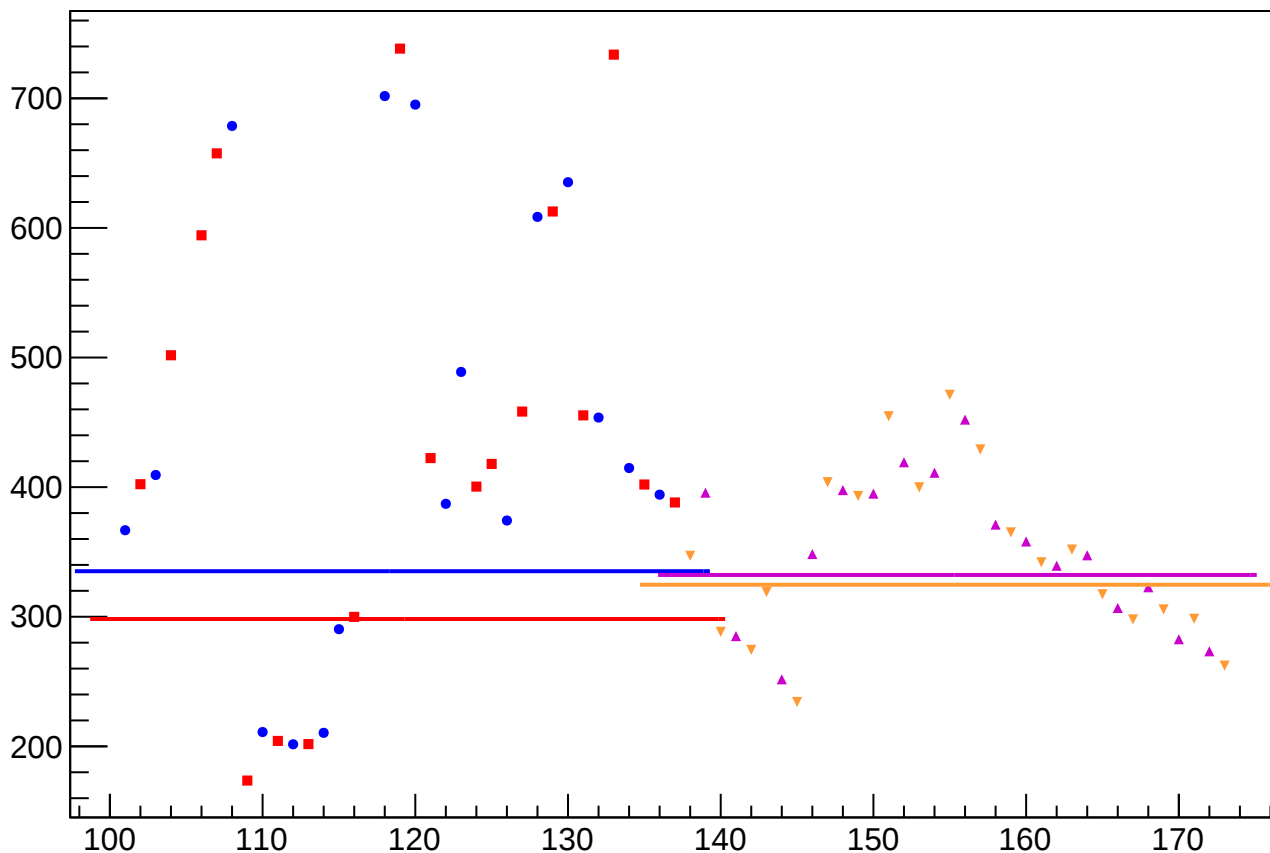
Right: 25.360 $\pm$ 93.955 χ^2/NDF : 34.5/34

In: -50.511 $\pm$ 77.180 χ^2/NDF : 47.0/33

Out: -236.400 $\pm$ 71.838 χ^2/NDF : 81.6/36

All: -150.111 $\pm$ 52.584 χ^2/NDF : 131.7/70

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 335.134 $\pm$ 0.099 χ^2/NDF : 1994045.2/16

Left Out: 324.700 $\pm$ 0.062 χ^2/NDF : 972985.7/18

Right Out: 298.253 $\pm$ 0.089 χ^2/NDF : 2776555.9/17

Left In: 332.245 $\pm$ 0.065 χ^2/NDF : 751381.3/16

Left: 328.266 $\pm$ 0.045 χ^2/NDF : 1731414.9/35

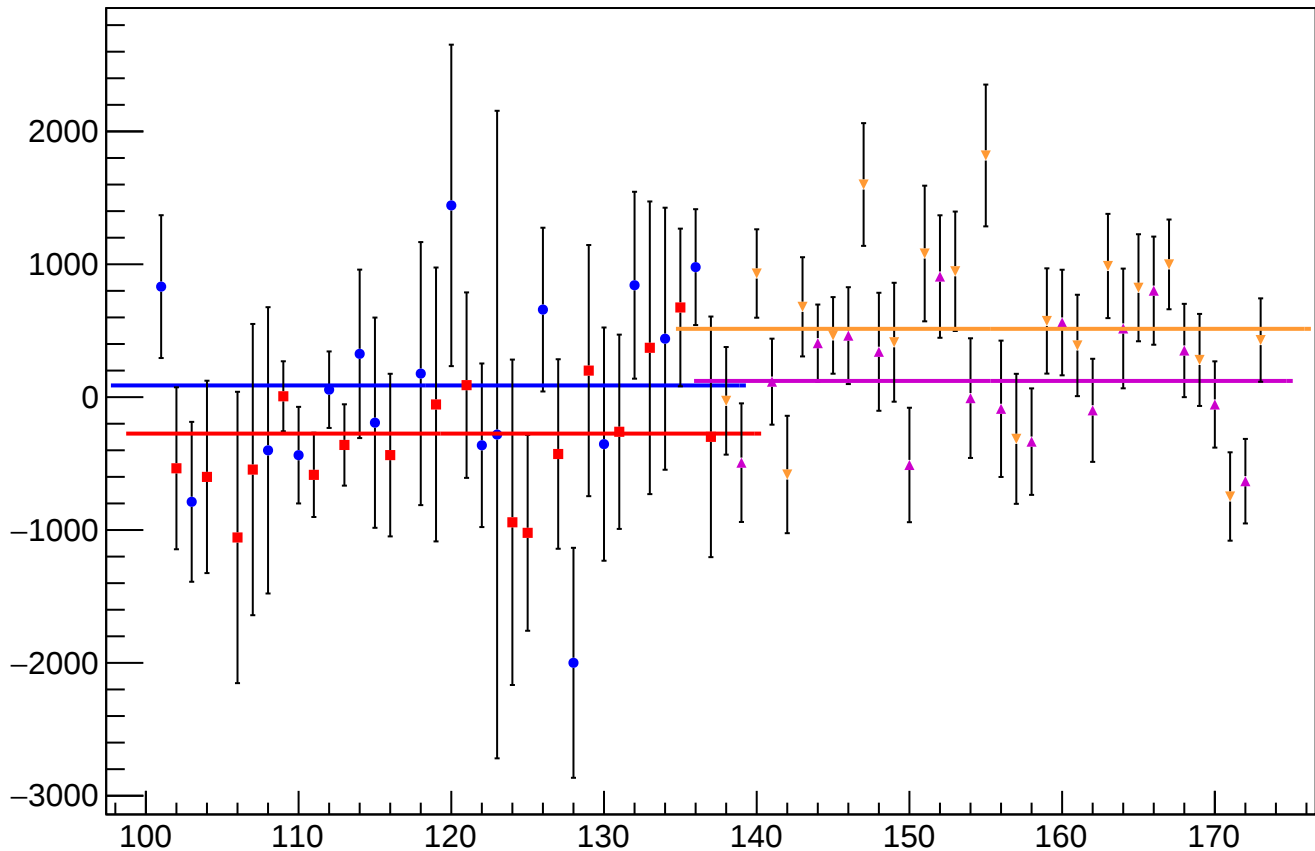
Right: 314.699 $\pm$ 0.066 χ^2/NDF : 4846742.5/34

In: 333.115 $\pm$ 0.055 χ^2/NDF : 2746015.8/33

Out: 316.134 $\pm$ 0.051 χ^2/NDF : 3808905.1/36

All: 324.016 $\pm$ 0.037 χ^2/NDF : 6606796.0/70

asym_sam7_mean vs Slug, Sign Corrected



Right In: 88.115+/-143.018 χ^2/NDF : 20.8/16

Left Out: 514.158+/-88.455 χ^2/NDF :45.5/18

Right Out: -274.340+/-129.866 χ^2/NDF : 8.0/17

Left In: 122.028+/-93.059 χ^2/NDF :22.0/16

Left: 328.034+/-64.113 χ^2/NDF : 76.8/35

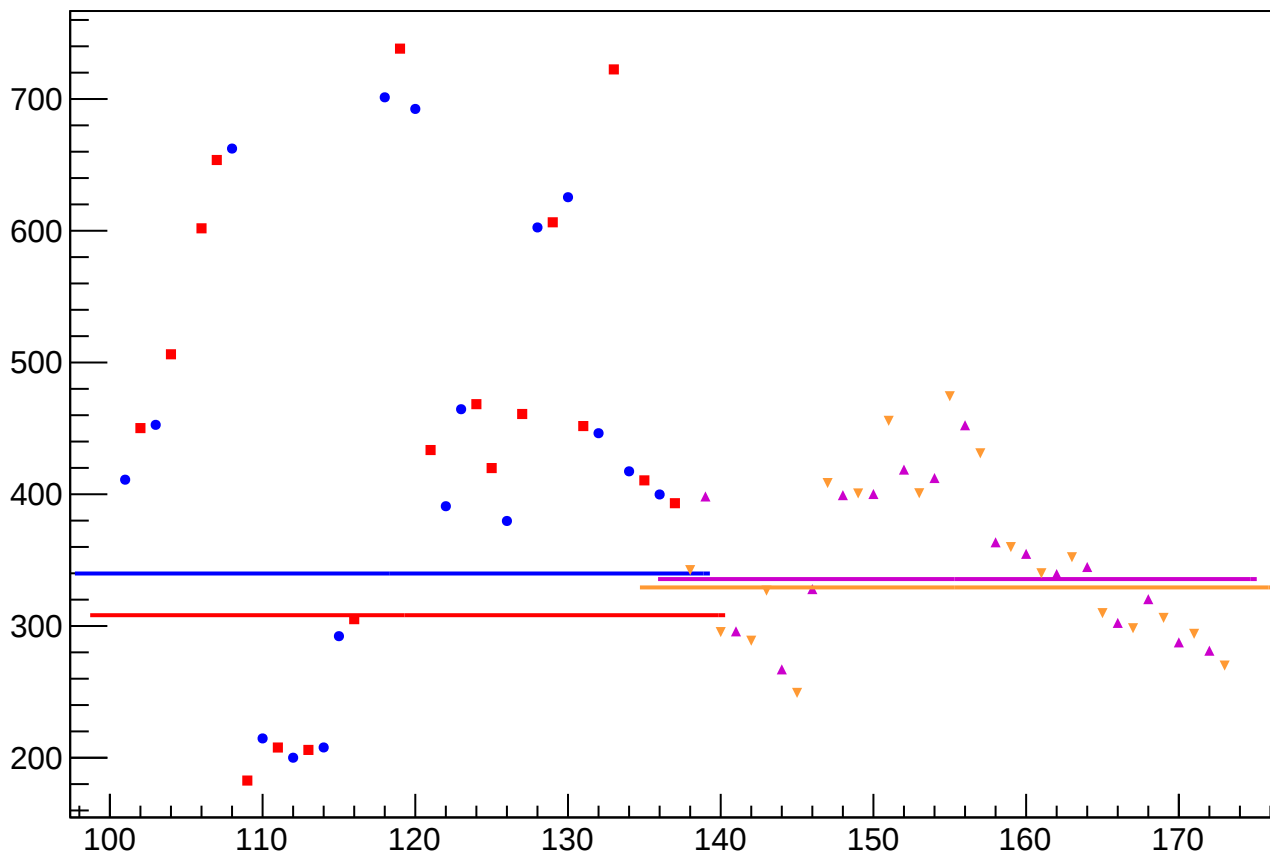
Right: -110.540+/-96.143 χ^2/NDF : 32.4/34

In: 111.940+/-78.001 χ^2/NDF :42.9/33

Out: 264.277+/-73.107 χ^2/NDF :78.7/36

All: 193.037+/-53.341 χ^2/NDF : 123.6/70

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.850 $\pm$ 0.101 χ^2 /NDF: 2043522.4/16

Left Out: 329.284 $\pm$ 0.063 χ^2 /NDF: 855921.8/18

Right Out: 308.199 $\pm$ 0.092 χ^2 /NDF: 2698828.8/17

Left In: 335.625 $\pm$ 0.066 χ^2 /NDF: 628917.4/16

Left: 332.294 $\pm$ 0.045 χ^2 /NDF: 1489718.3/35

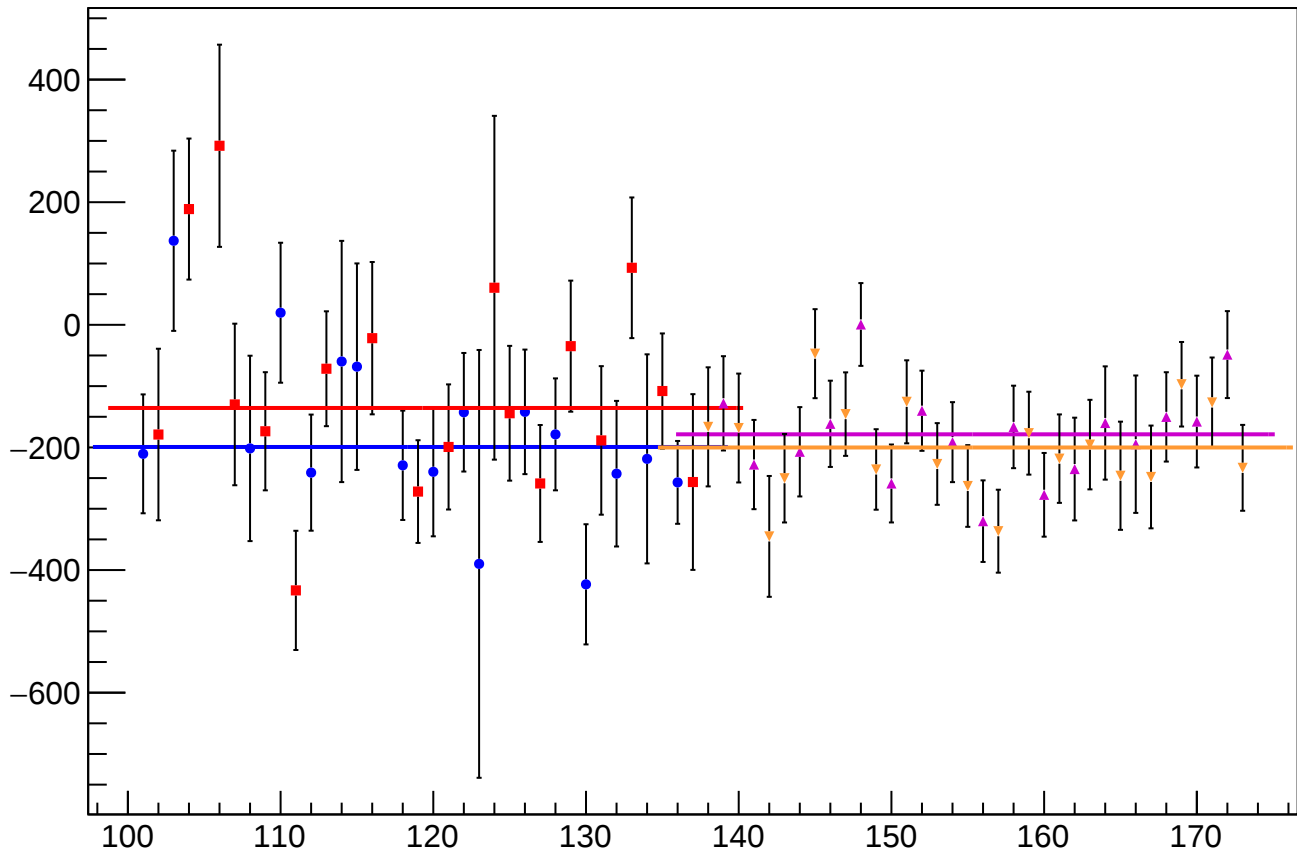
Right: 322.502 $\pm$ 0.068 χ^2 /NDF: 4796037.7/34

In: 336.882 $\pm$ 0.055 χ^2 /NDF: 2673665.6/33

Out: 322.602 $\pm$ 0.052 χ^2 /NDF: 3590764.1/36

All: 329.280 $\pm$ 0.038 χ^2 /NDF: 6300114.6/70

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -199.252 $\pm$ 26.515 χ^2/NDF : 17.6/16

Left Out: -200.074 $\pm$ 16.851 χ^2/NDF : 18.9/18

Right Out: -135.623 $\pm$ 26.252 χ^2/NDF : 36.7/17

Left In: -178.593 $\pm$ 17.540 χ^2/NDF : 20.9/16

Left: -189.764 $\pm$ 12.152 χ^2/NDF : 40.5/35

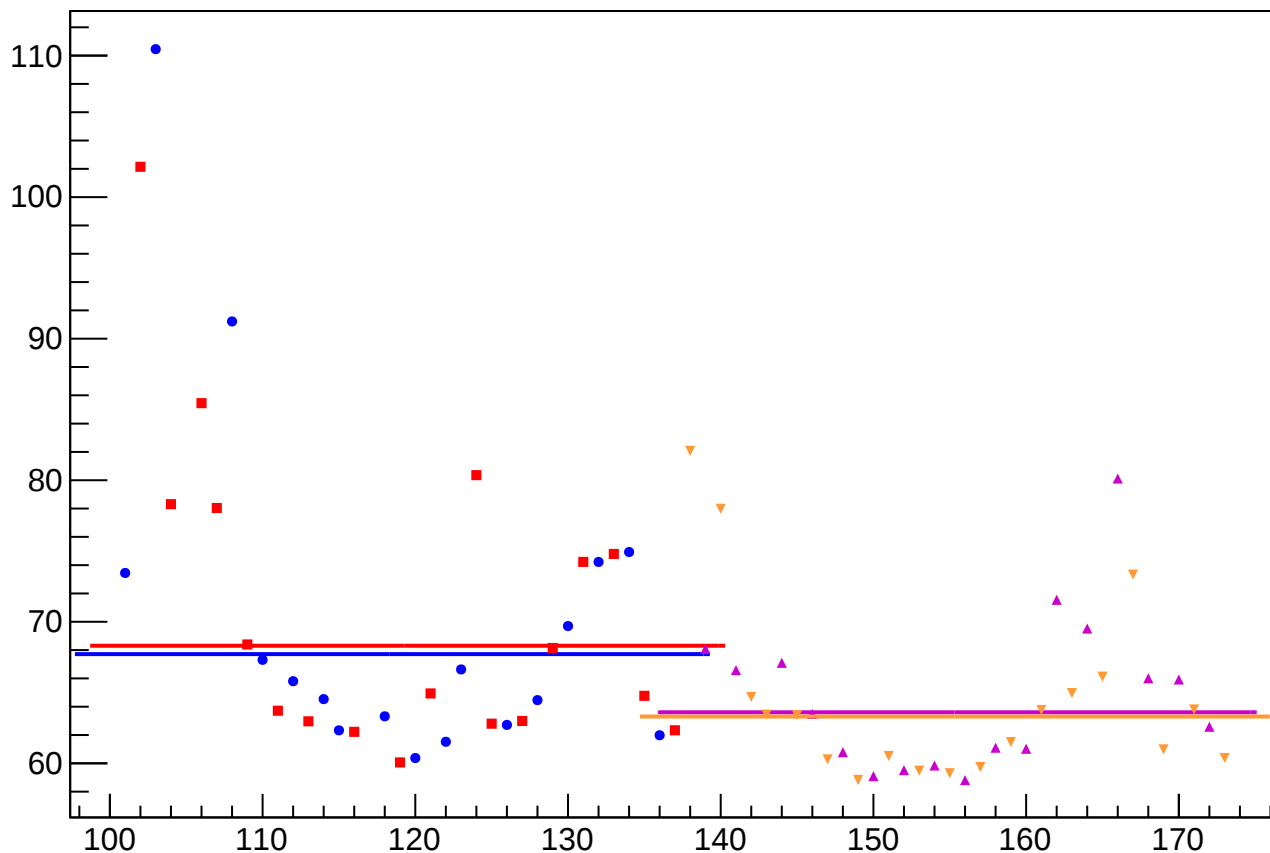
Right: -167.121 $\pm$ 18.655 χ^2/NDF : 57.2/34

In: -184.882 $\pm$ 14.629 χ^2/NDF : 38.9/33

Out: -181.268 $\pm$ 14.181 χ^2/NDF : 59.8/36

All: -183.018 $\pm$ 10.182 χ^2/NDF : 98.7/70

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.715 $\pm$ 0.019 χ^2 /NDF: 282892.5/16

Left Out: 63.305 $\pm$ 0.012 χ^2 /NDF: 204776.9/18

Right Out: 68.308 $\pm$ 0.019 χ^2 /NDF: 234314.0/17

Left In: 63.605 $\pm$ 0.012 χ^2 /NDF: 132876.1/16

Left: 63.449 $\pm$ 0.009 χ^2 /NDF: 337958.4/35

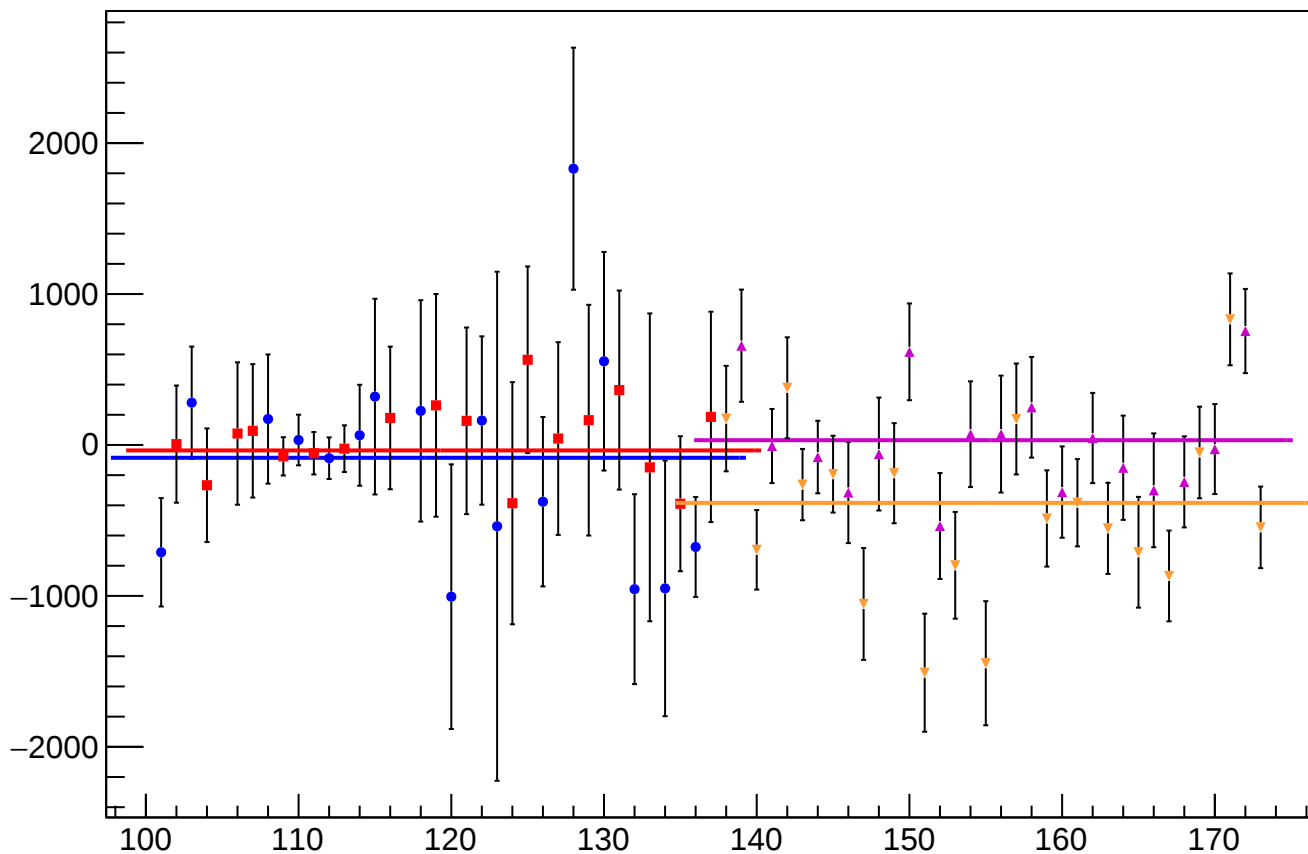
Right: 68.015 $\pm$ 0.013 χ^2 /NDF: 517711.7/34

In: 64.856 $\pm$ 0.010 χ^2 /NDF: 449196.9/33

Out: 64.765 $\pm$ 0.010 χ^2 /NDF: 490547.5/36

All: 64.809 $\pm$ 0.007 χ^2 /NDF: 939784.8/70

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: -84.759 ± 82.667 $\chi^2/\text{NDF}: 19.9/16$

Left Out: -383.612 ± 71.477 $\chi^2/\text{NDF}: 53.6/18$

Right Out: -36.132 ± 69.750 $\chi^2/\text{NDF}: 3.4/17$

Left In: 31.558 ± 76.369 $\chi^2/\text{NDF}: 20.6/16$

Left: -189.750 ± 52.185 $\chi^2/\text{NDF}: 89.9/35$

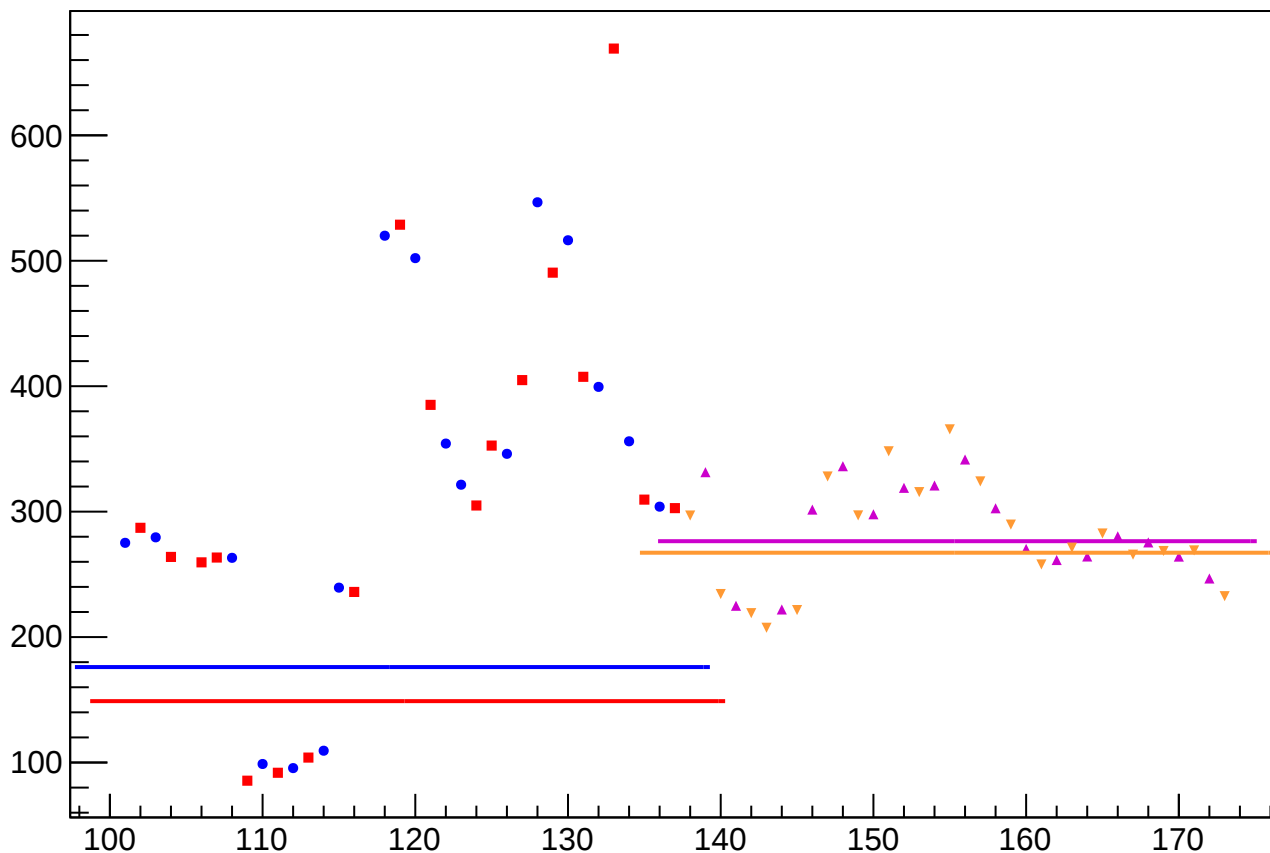
Right: -56.354 ± 53.310 $\chi^2/\text{NDF}: 23.5/34$

In: -22.001 ± 56.096 $\chi^2/\text{NDF}: 41.5/33$

Out: -205.625 ± 49.920 $\chi^2/\text{NDF}: 69.1/36$

All: -124.473 ± 37.292 $\chi^2/\text{NDF}: 116.6/70$

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 176.096 $\pm$ 0.058 χ^2/NDF : 4223651.6/16

Left Out: 267.250 $\pm$ 0.051 χ^2/NDF : 683945.4/18

Right Out: 148.932 $\pm$ 0.049 χ^2/NDF : 4770916.6/17

Left In: 276.441 $\pm$ 0.054 χ^2/NDF : 470694.4/16

Left: 271.542 $\pm$ 0.037 χ^2/NDF : 1170081.2/35

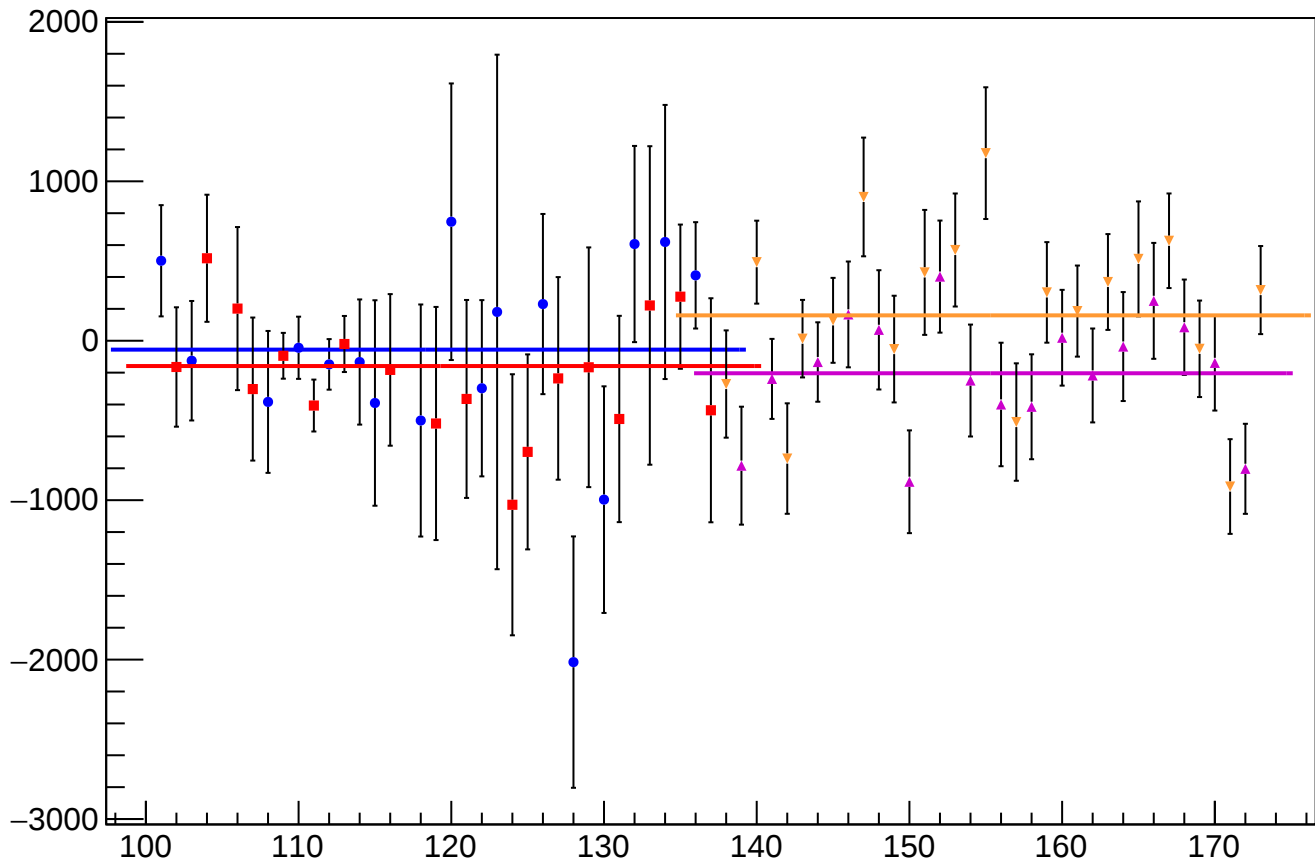
Right: 160.228 $\pm$ 0.038 χ^2/NDF : 9120718.3/34

In: 230.237 $\pm$ 0.040 χ^2/NDF : 6284278.9/33

Out: 206.645 $\pm$ 0.035 χ^2/NDF : 8262033.7/36

All: 217.071 $\pm$ 0.026 χ^2/NDF : 14743726.4/70

asym_sam8_mean vs Slug, Sign Corrected



Right In: -55.724 ± 90.572 $\chi^2/\text{NDF}: 17.1/16$

Left Out: 159.233 ± 71.686 $\chi^2/\text{NDF}: 44.0/18$

Right Out: -158.676 ± 77.072 $\chi^2/\text{NDF}: 10.4/17$

Left In: -203.937 ± 76.493 $\chi^2/\text{NDF}: 20.3/16$

Left: -10.583 ± 52.307 $\chi^2/\text{NDF}: 76.2/35$

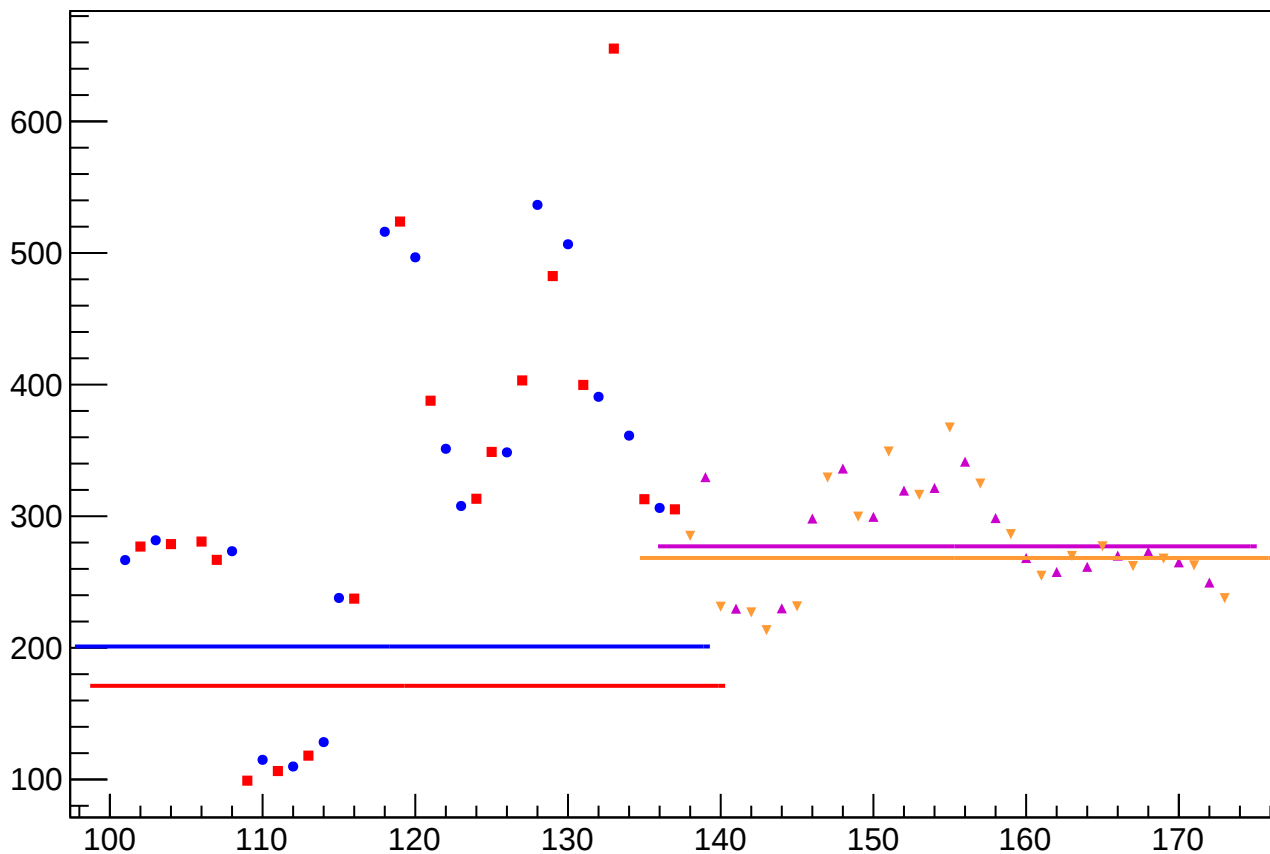
Right: -115.437 ± 58.697 $\chi^2/\text{NDF}: 28.3/34$

In: -142.232 ± 58.440 $\chi^2/\text{NDF}: 39.0/33$

Out: 11.774 ± 52.491 $\chi^2/\text{NDF}: 63.5/36$

All: -56.993 ± 39.051 $\chi^2/\text{NDF}: 106.3/70$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.036 $\pm$ 0.064 χ^2/NDF : 3433026.4/16

Left Out: 268.295 $\pm$ 0.051 χ^2/NDF : 607680.8/18

Right Out: 171.159 $\pm$ 0.054 χ^2/NDF : 4065598.7/17

Left In: 277.134 $\pm$ 0.054 χ^2/NDF : 413527.8/16

Left: 272.428 $\pm$ 0.037 χ^2/NDF : 1035426.6/35

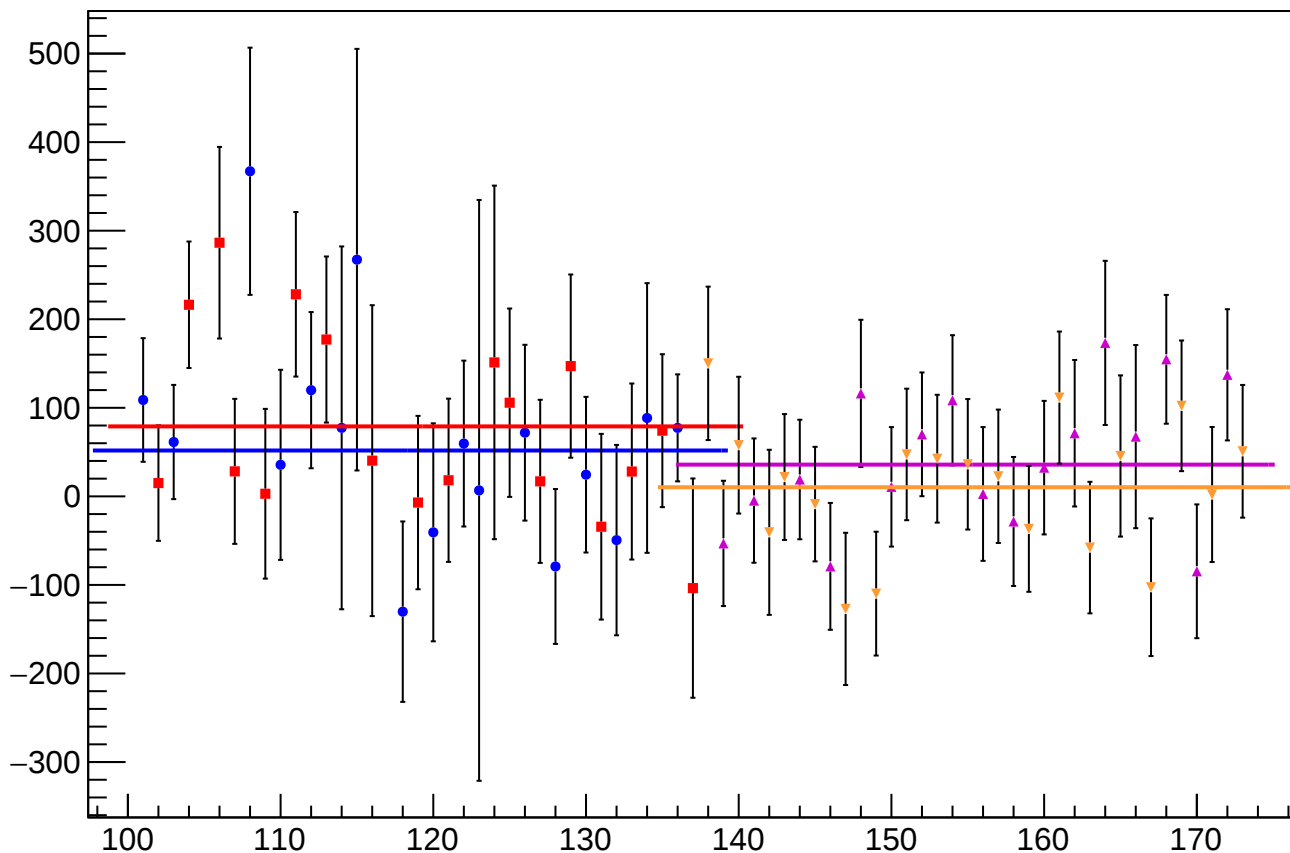
Right: 183.707 $\pm$ 0.042 χ^2/NDF : 7624855.0/34

In: 245.453 $\pm$ 0.041 χ^2/NDF : 4670616.6/33

Out: 223.240 $\pm$ 0.037 χ^2/NDF : 6376584.6/36

All: 233.158 $\pm$ 0.028 χ^2/NDF : 11207135.4/70

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 51.799 $\pm$ 23.538 χ^2/NDF : 14.5/16

Left Out: 10.304 $\pm$ 17.391 χ^2/NDF :16.7/18

Right Out: 79.008 $\pm$ 22.499 χ^2/NDF : 19.0/17

Left In: 35.848 $\pm$ 18.215 χ^2/NDF :17.4/16

Left: 22.485 $\pm$ 12.578 χ^2/NDF : 35.2/35

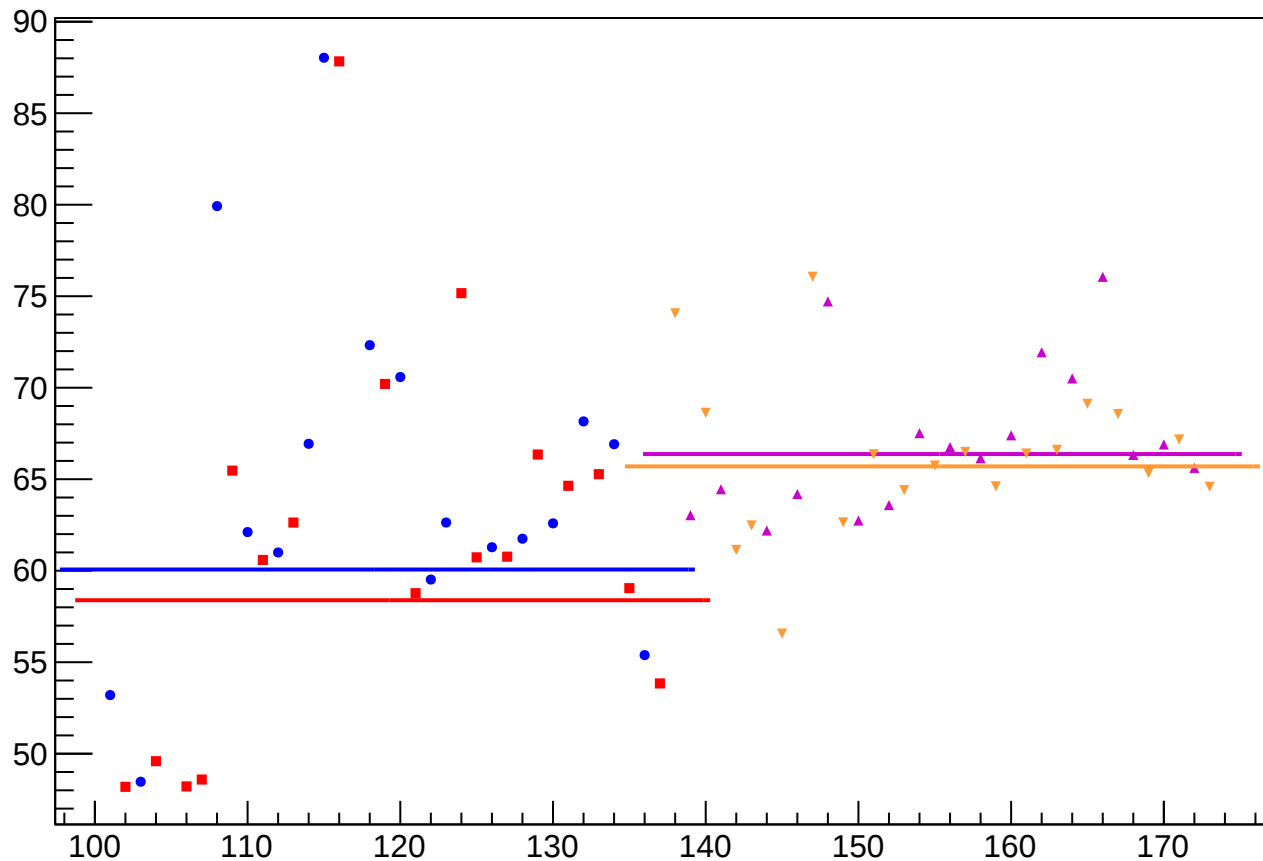
Right: 66.018 $\pm$ 16.264 χ^2/NDF : 34.2/34

In: 41.822 $\pm$ 14.406 χ^2/NDF :32.2/33

Out: 36.000 $\pm$ 13.760 χ^2/NDF :41.6/36

All: 38.778 $\pm$ 9.950 χ^2/NDF : 73.8/70

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 60.065+/-0.017 χ^2/NDF : 229098.7/16

Left Out: 65.702+/-0.012 χ^2/NDF : 112003.1/18

Right Out: 58.387+/-0.016 χ^2/NDF : 275017.2/17

Left In: 66.375+/-0.013 χ^2/NDF : 76388.7/16

Left: 66.023+/-0.009 χ^2/NDF : 189821.6/35

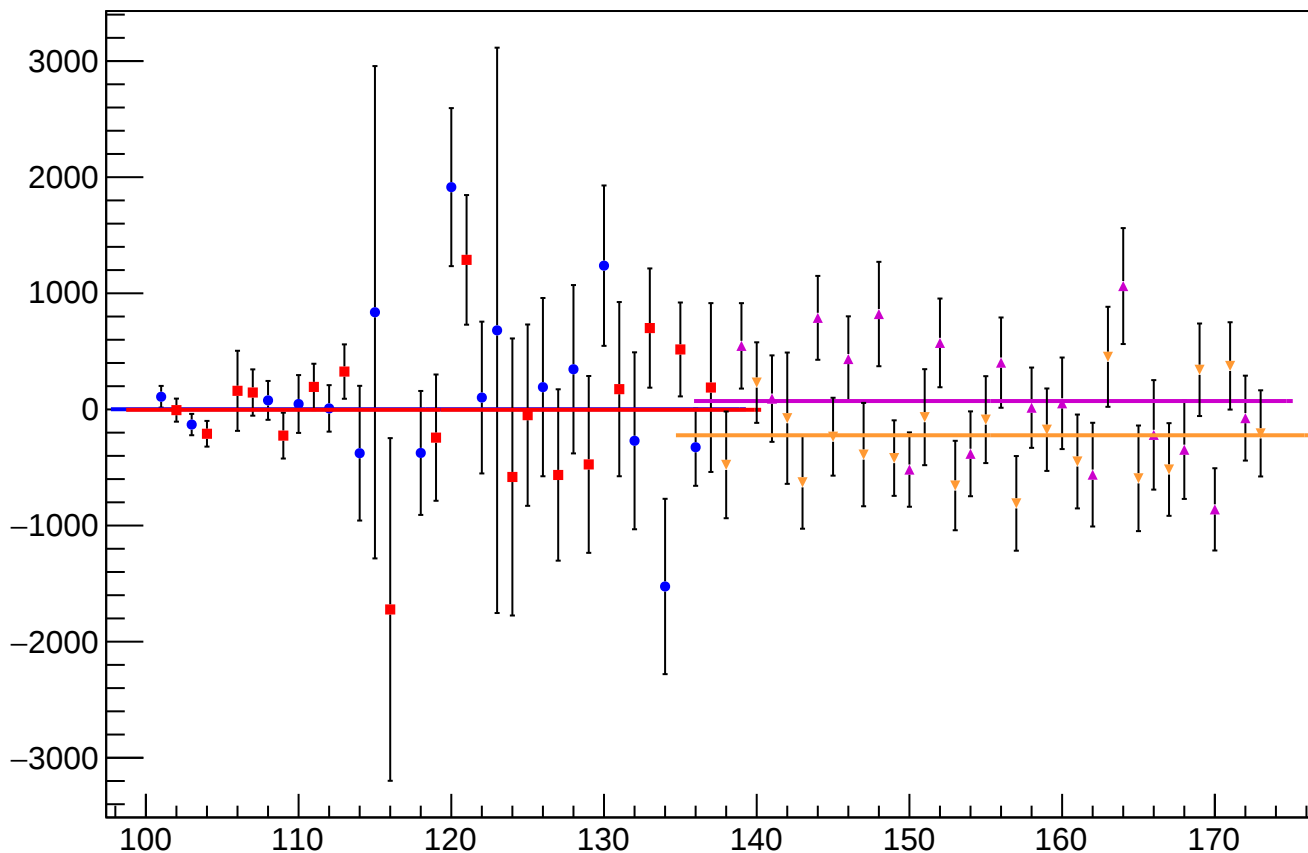
Right: 59.188+/-0.012 χ^2/NDF : 509429.8/34

In: 64.012+/-0.010 χ^2/NDF : 395371.0/33

Out: 62.966+/-0.010 χ^2/NDF : 519349.4/36

All: 63.465+/-0.007 χ^2/NDF : 920231.9/70

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 1.581+/-54.284 χ^2/NDF : 21.4/16

Left Out: -222.588+/-90.253 χ^2/NDF :15.8/18

Right Out: -3.242+/-56.611 χ^2/NDF : 20.2/17

Left In: 72.248+/-93.389 χ^2/NDF :31.2/16

Left: -80.205+/-64.899 χ^2/NDF : 52.1/35

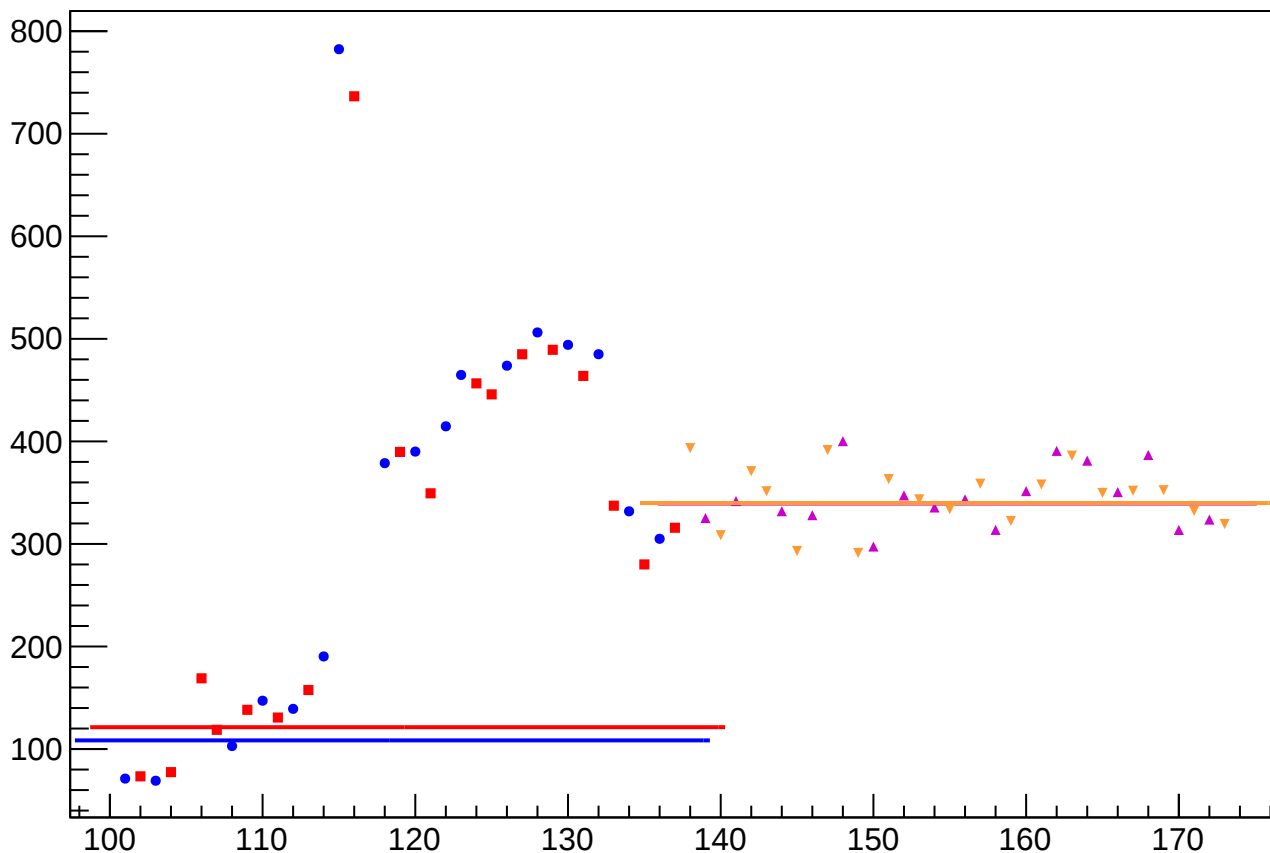
Right: -0.730+/-39.182 χ^2/NDF : 41.6/34

In: 19.427+/-46.932 χ^2/NDF :53.0/33

Out: -65.176+/-47.958 χ^2/NDF :40.2/36

All: -21.960+/-33.543 χ^2/NDF : 94.8/70

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 108.445 $\pm$ 0.038 χ^2 /NDF: 5404107.9/16

Left Out: 339.881 $\pm$ 0.064 χ^2 /NDF: 216500.4/18

Right Out: 121.303 $\pm$ 0.040 χ^2 /NDF: 4731568.2/17

Left In: 339.381 $\pm$ 0.066 χ^2 /NDF: 171749.0/16

Left: 339.640 $\pm$ 0.046 χ^2 /NDF: 388279.0/35

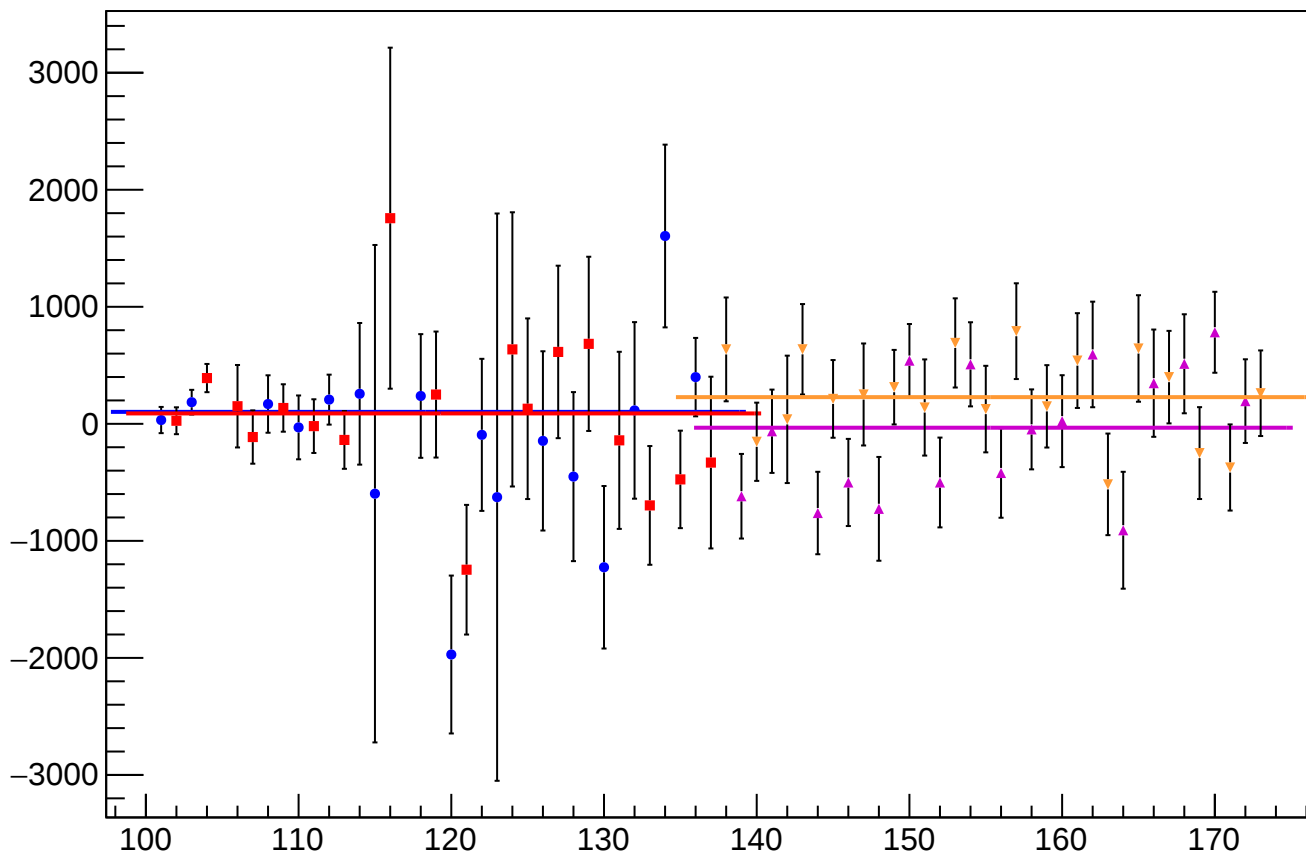
Right: 114.604 $\pm$ 0.028 χ^2 /NDF: 10189429.3/34

In: 166.766 $\pm$ 0.033 χ^2 /NDF: 14717111.0/33

Out: 183.020 $\pm$ 0.034 χ^2 /NDF: 13366519.2/36

All: 174.718 $\pm$ 0.024 χ^2 /NDF: 28200981.0/70

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 102.221 $\pm$ 63.127 χ^2 /NDF: 20.3/16

Left Out: 228.060 $\pm$ 88.920 χ^2 /NDF:15.7/18

Right Out: 88.841 $\pm$ 62.230 χ^2 /NDF: 21.7/17

Left In: -33.244 $\pm$ 92.056 χ^2 /NDF:32.4/16

Left: 101.935 $\pm$ 63.956 χ^2 /NDF: 52.3/35

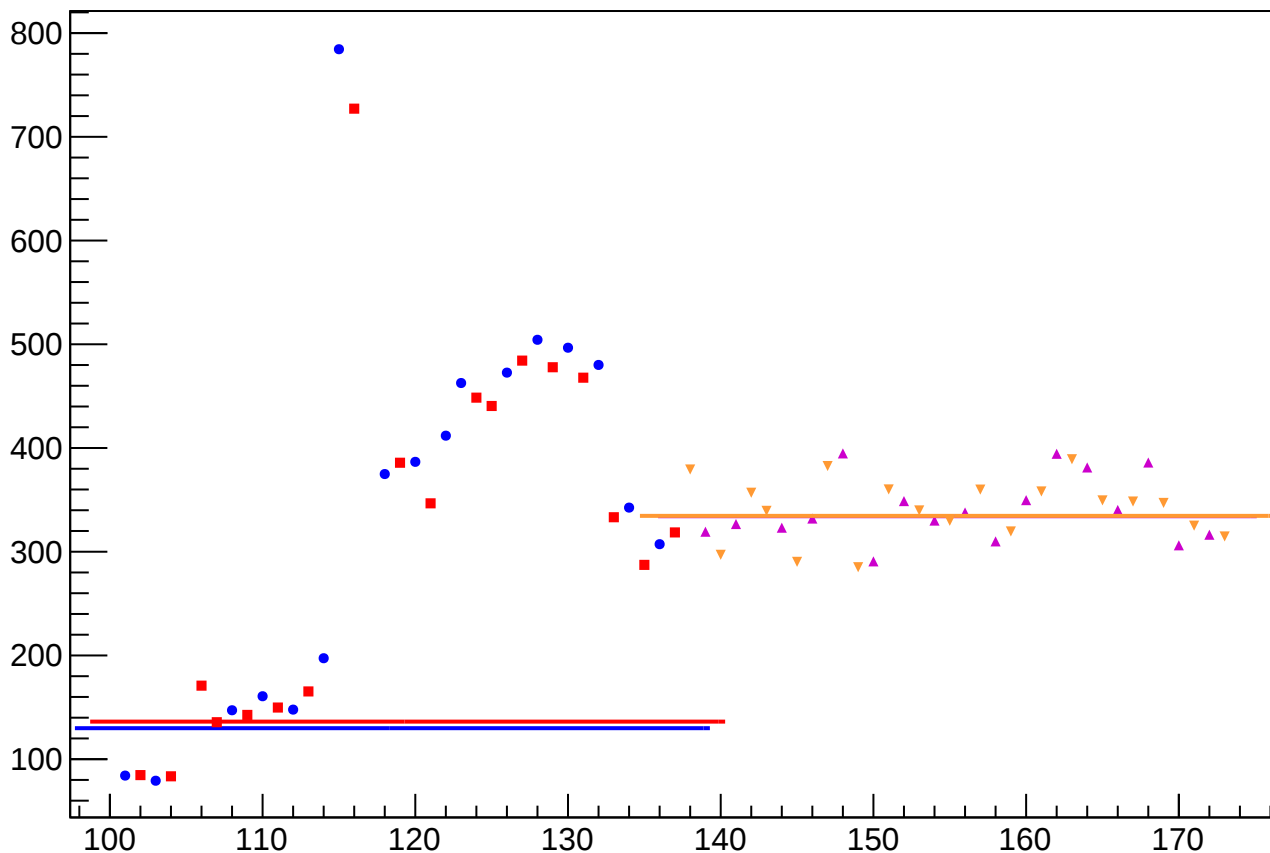
Right: 95.435 $\pm$ 44.317 χ^2 /NDF: 42.0/34

In: 58.893 $\pm$ 52.062 χ^2 /NDF:54.2/33

Out: 134.611 $\pm$ 50.985 χ^2 /NDF:39.1/36

All: 97.544 $\pm$ 36.427 χ^2 /NDF: 94.4/70

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.884+/-0.045 χ^2/NDF : 4829521.2/16

Left Out: 334.581+/-0.063 χ^2/NDF : 229476.3/18

Right Out: 136.225+/-0.044 χ^2/NDF : 4282800.2/17

Left In: 334.212+/-0.065 χ^2/NDF : 200621.8/16

Left: 334.403+/-0.045 χ^2/NDF : 430114.6/35

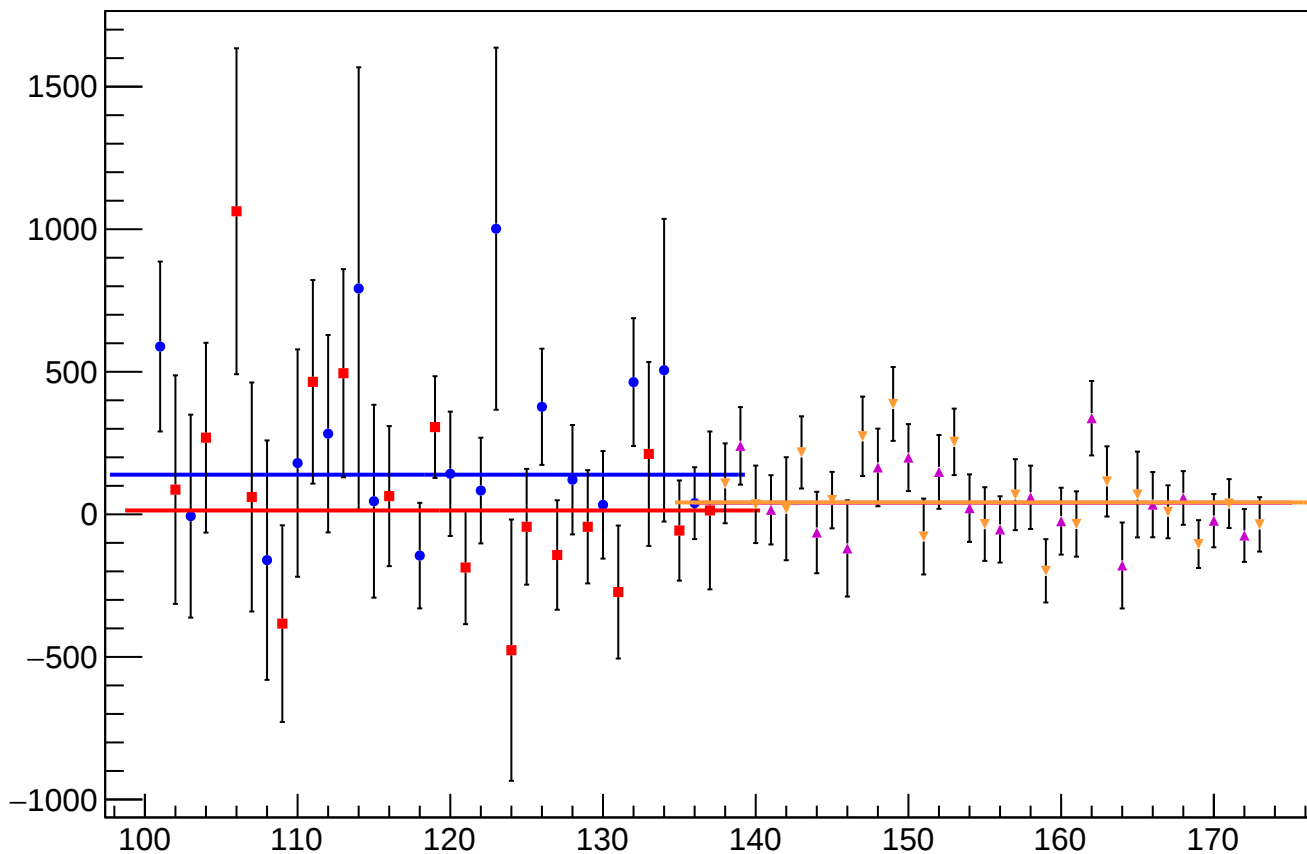
Right: 133.100+/-0.031 χ^2/NDF : 9122555.3/34

In: 195.238+/-0.037 χ^2/NDF : 11731954.3/33

Out: 201.437+/-0.036 χ^2/NDF : 11192634.1/36

All: 198.402+/-0.026 χ^2/NDF : 22939065.7/70

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 139.093 $\pm$ 57.982 χ^2 /NDF: 13.1/16

Left Out: 41.842 $\pm$ 26.376 χ^2 /NDF:25.9/18

Right Out: 13.637 $\pm$ 60.127 χ^2 /NDF: 16.4/17

Left In: 40.709 $\pm$ 28.695 χ^2 /NDF:17.3/16

Left: 41.323 $\pm$ 19.419 χ^2 /NDF: 43.2/35

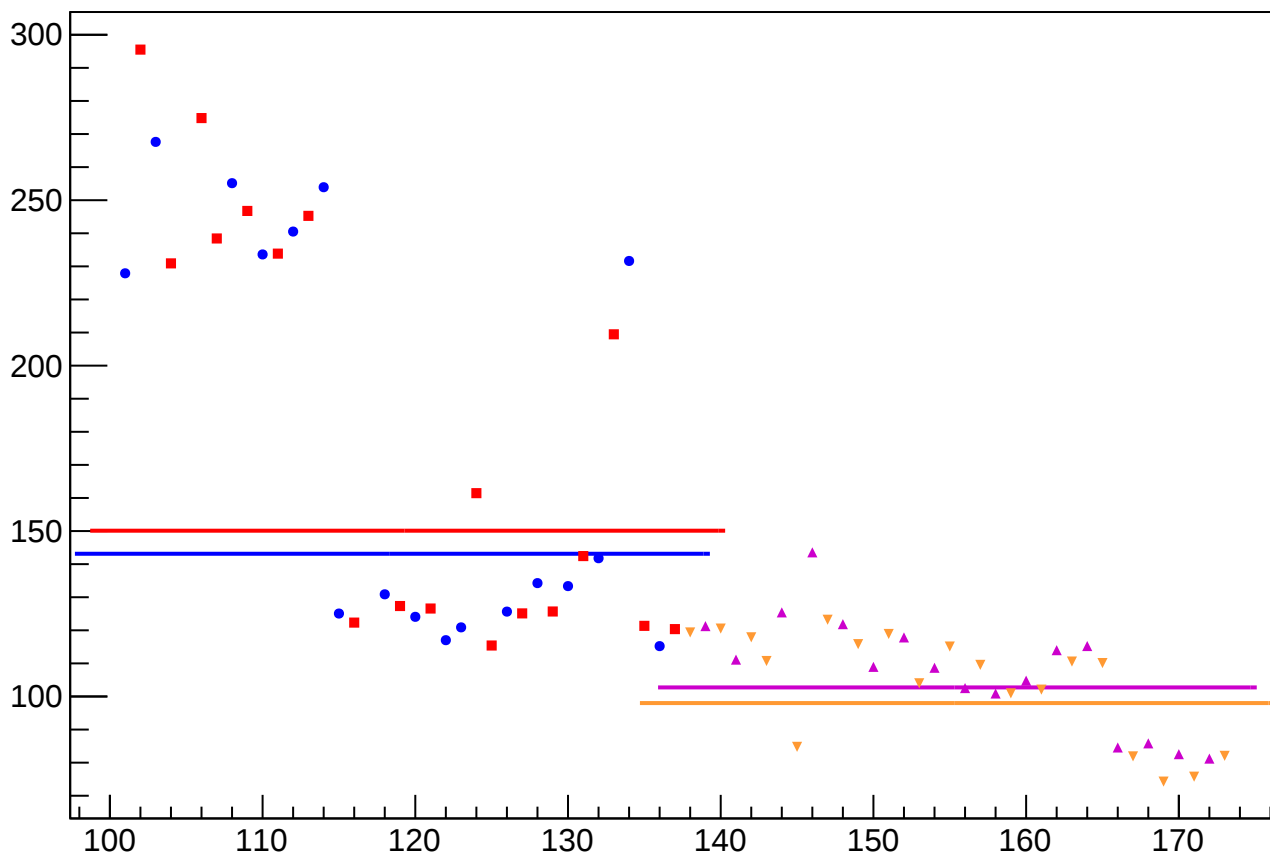
Right: 78.643 $\pm$ 41.737 χ^2 /NDF: 31.8/34

In: 60.065 $\pm$ 25.718 χ^2 /NDF:32.7/33

Out: 37.290 $\pm$ 24.154 χ^2 /NDF:42.5/36

All: 47.964 $\pm$ 17.607 χ^2 /NDF: 75.6/70

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 143.140 $\pm$ 0.041 χ^2 /NDF: 1101269.0/16

Left Out: 98.010 $\pm$ 0.019 χ^2 /NDF: 839690.4/18

Right Out: 150.109 $\pm$ 0.043 χ^2 /NDF: 1332775.0/17

Left In: 102.739 $\pm$ 0.020 χ^2 /NDF: 637650.9/16

Left: 100.176 $\pm$ 0.014 χ^2 /NDF: 1506786.9/35

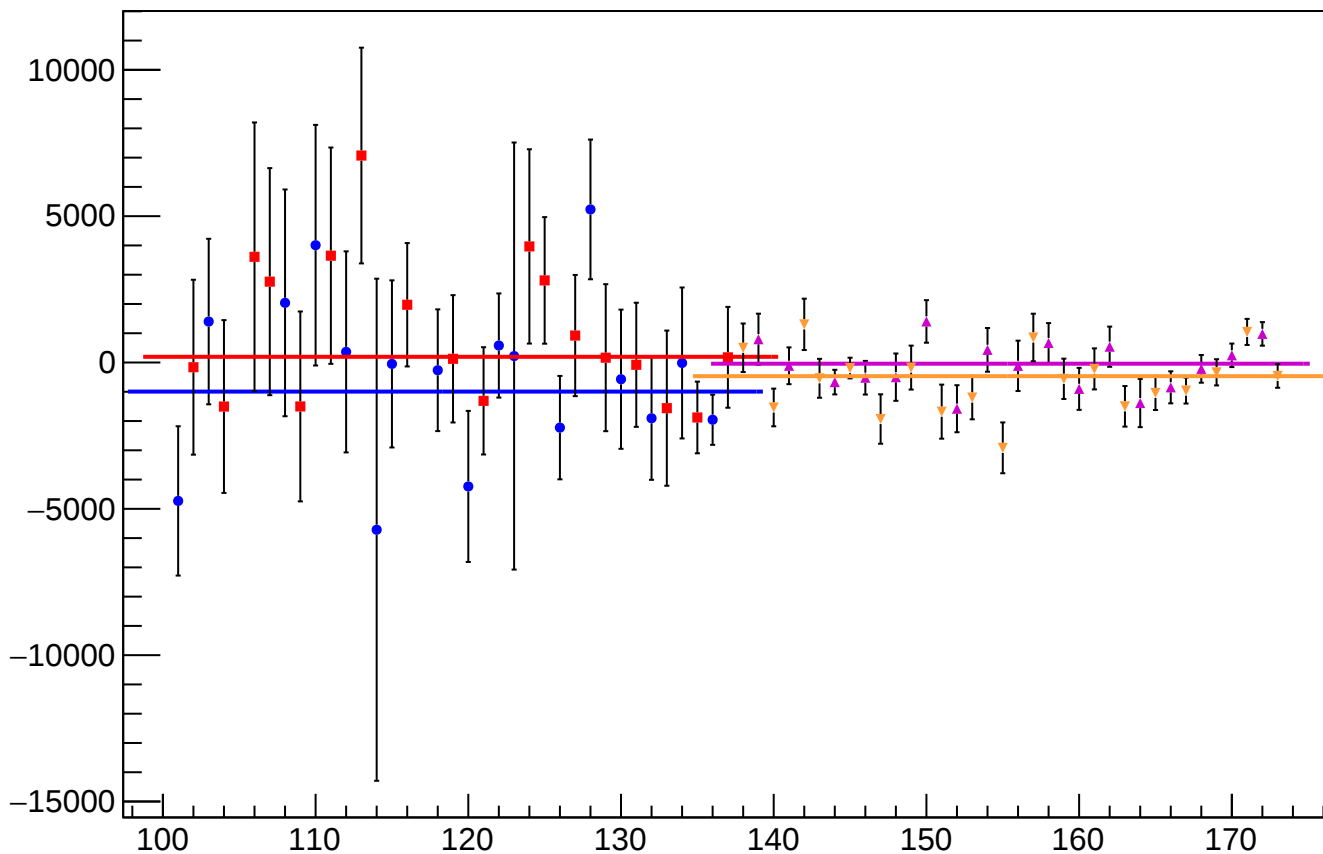
Right: 146.498 $\pm$ 0.030 χ^2 /NDF: 2447968.1/34

In: 110.687 $\pm$ 0.018 χ^2 /NDF: 2518887.3/33

Out: 106.418 $\pm$ 0.017 χ^2 /NDF: 3431724.2/36

All: 108.419 $\pm$ 0.012 χ^2 /NDF: 5979902.6/70

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -993.785+/-516.463 χ^2/NDF : 16.9/16

Left Out: -467.102+/-135.110 χ^2/NDF : 41.4/18

Right Out: 195.049+/-543.821 χ^2/NDF : 13.5/17

Left In: -40.795+/-143.576 χ^2/NDF : 27.3/16

Left: -266.887+/-98.394 χ^2/NDF : 73.4/35

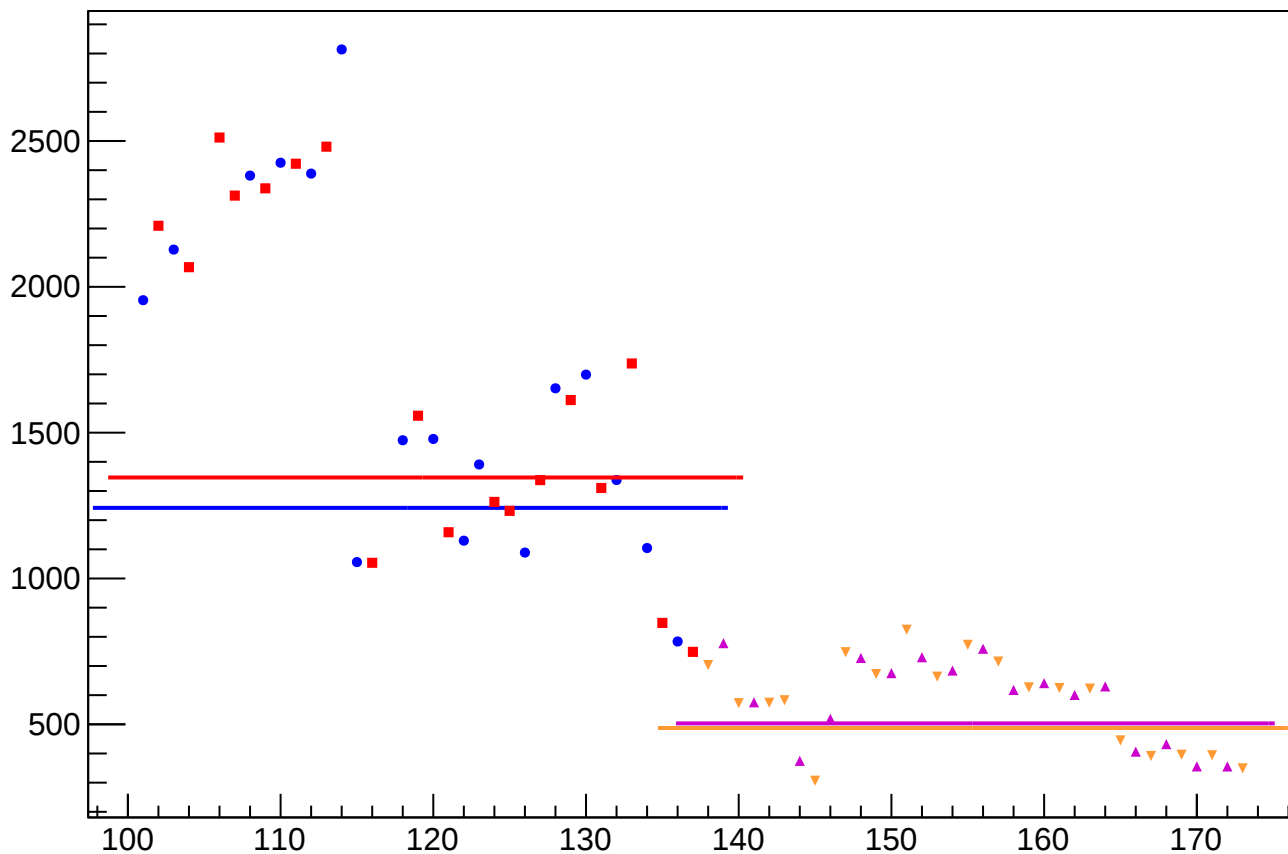
Right: -430.023+/-374.493 χ^2/NDF : 33.0/34

In: -109.162+/-138.330 χ^2/NDF : 47.4/33

Out: -428.607+/-131.123 χ^2/NDF : 56.4/36

All: -277.421+/-95.164 χ^2/NDF : 106.6/70

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1242.172+/-0.365 χ^2/NDF : 1767422.8/16

Left Out: 487.389+/-0.096 χ^2/NDF : 2559295.5/18

Right Out: 1346.340+/-0.385 χ^2/NDF : 1809161.2/17

Left In: 503.147+/-0.102 χ^2/NDF : 1998753.0/16

Left: 494.790+/-0.070 χ^2/NDF : 4570825.7/35

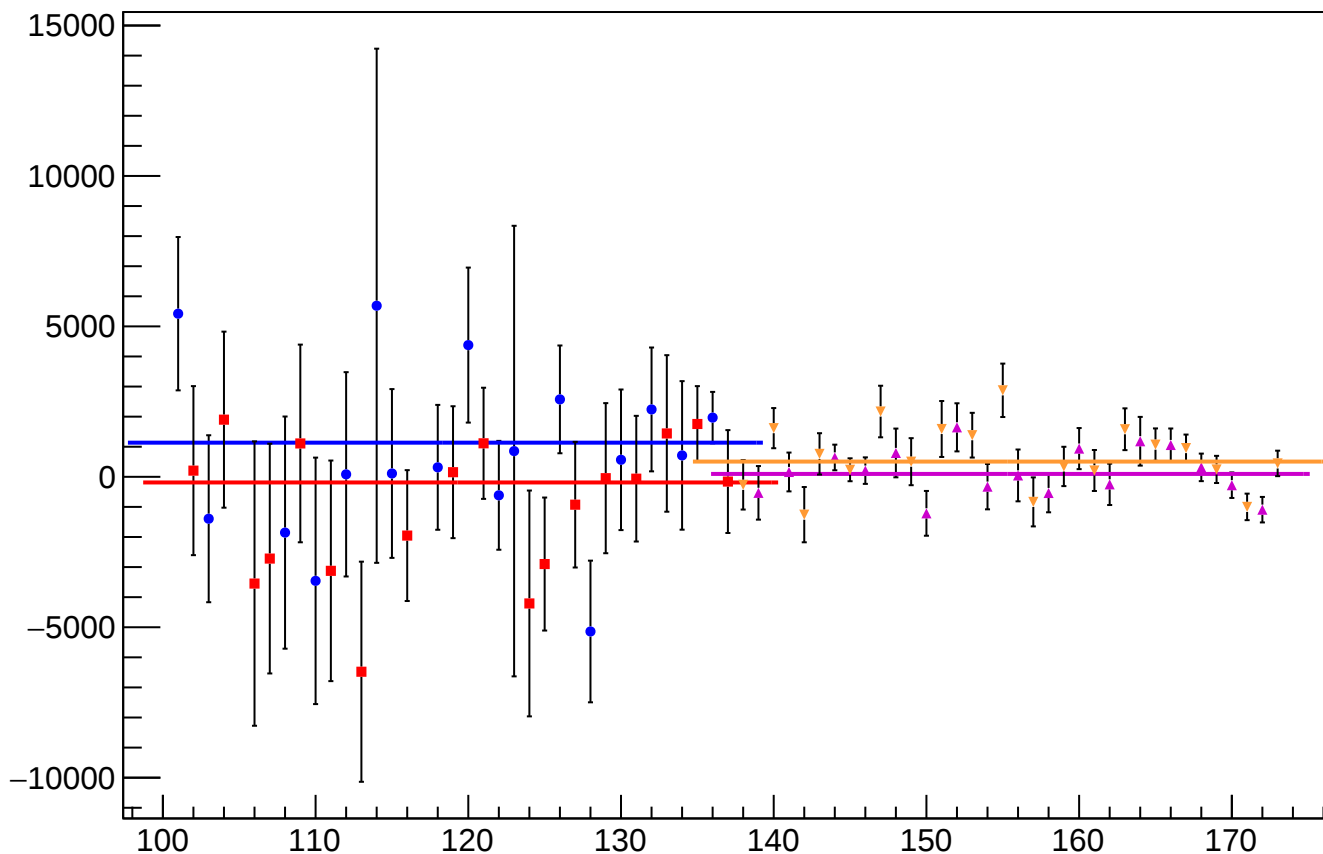
Right: 1291.570+/-0.265 χ^2/NDF : 3615166.4/34

In: 556.164+/-0.098 χ^2/NDF : 7567542.3/33

Out: 537.326+/-0.093 χ^2/NDF : 9067848.9/36

All: 546.241+/-0.067 χ^2/NDF : 16654928.6/70

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1135.222+/-513.770 χ^2/NDF : 17.8/16

Left Out: 506.891+/-136.993 χ^2/NDF : 41.1/18

Right Out: -187.508+/-548.191 χ^2/NDF : 12.0/17

Left In: 96.086+/-141.748 χ^2/NDF : 26.6/16

Left: 308.494+/-98.507 χ^2/NDF : 72.1/35

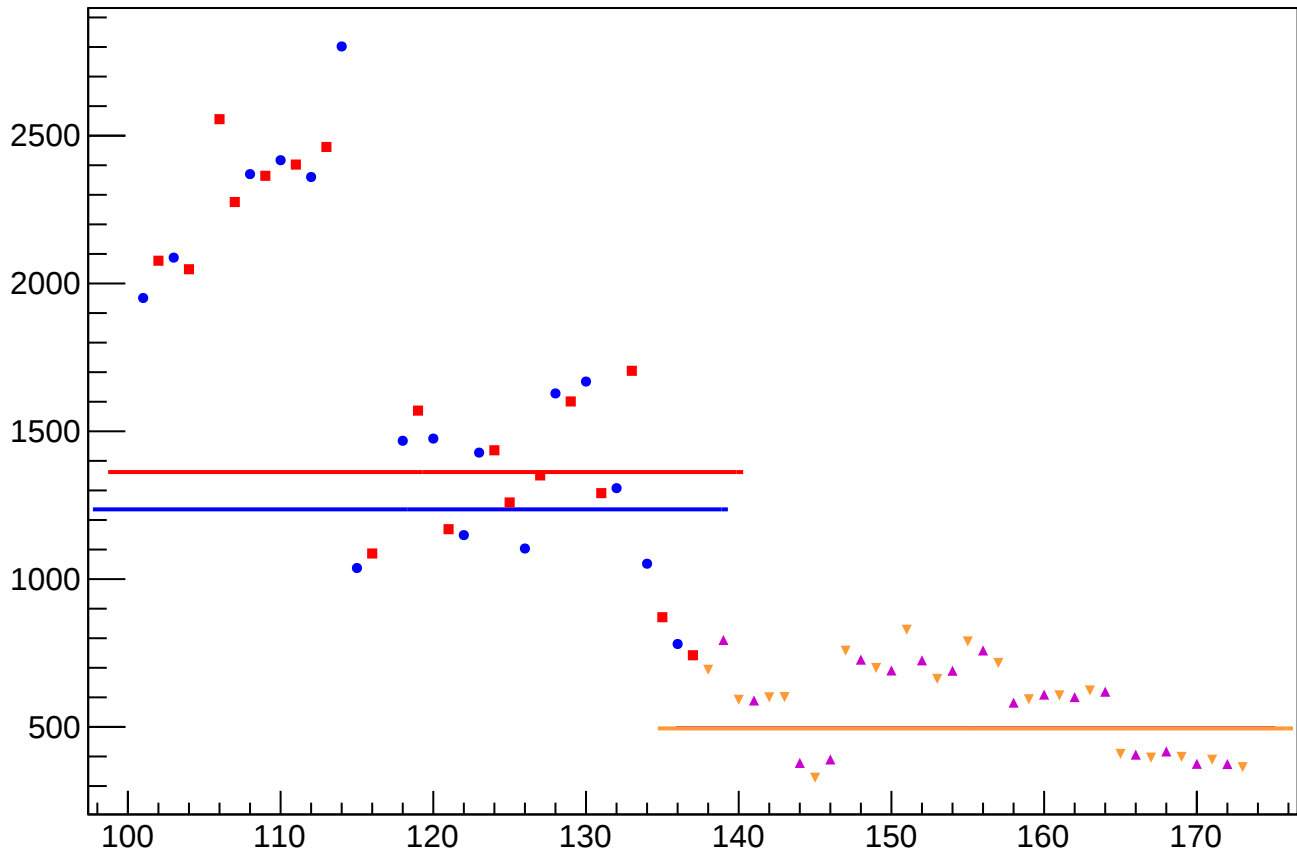
Right: 516.685+/-374.869 χ^2/NDF : 32.9/34

In: 169.590+/-136.643 χ^2/NDF : 48.2/33

Out: 466.074+/-132.906 χ^2/NDF : 54.6/36

All: 321.942+/-95.273 χ^2/NDF : 105.2/70

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1235.939+/-0.363 χ^2/NDF : 1745716.2/16

Left Out: 494.906+/-0.097 χ^2/NDF : 2381920.9/18

Right Out: 1362.092+/-0.388 χ^2/NDF : 1709253.2/17

Left In: 496.058+/-0.100 χ^2/NDF : 1942080.4/16

Left: 495.463+/-0.070 χ^2/NDF : 4324069.6/35

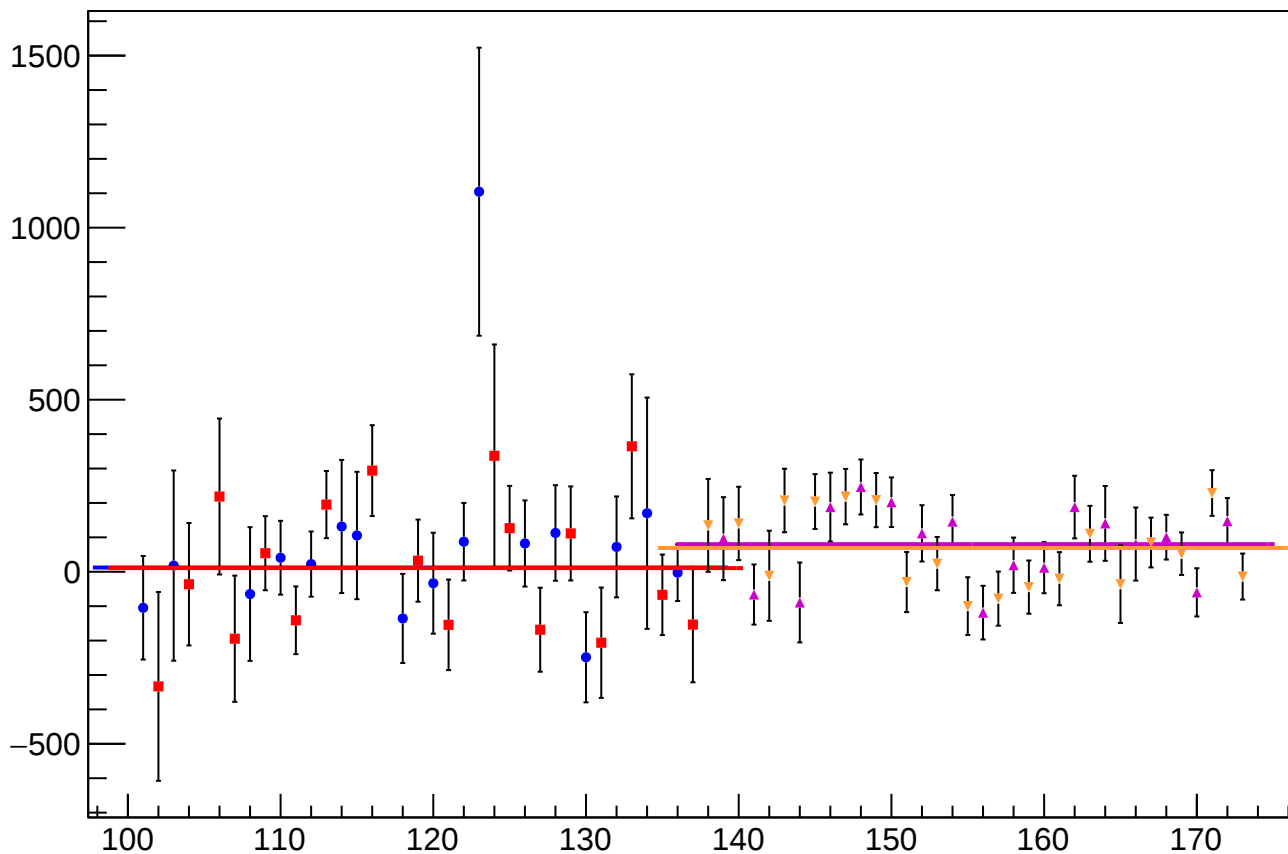
Right: 1294.931+/-0.265 χ^2/NDF : 3511356.6/34

In: 548.394+/-0.097 χ^2/NDF : 7542174.1/33

Out: 545.879+/-0.094 χ^2/NDF : 8801833.8/36

All: 547.102+/-0.067 χ^2/NDF : 16344356.1/70

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 12.308 ± 33.228 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 69.163 ± 18.691 $\chi^2/\text{NDF}: 34.0/18$

Right Out: 10.591 ± 32.606 $\chi^2/\text{NDF}: 26.7/17$

Left In: 80.185 ± 20.012 $\chi^2/\text{NDF}: 28.9/16$

Left: 74.298 ± 13.660 $\chi^2/\text{NDF}: 63.1/35$

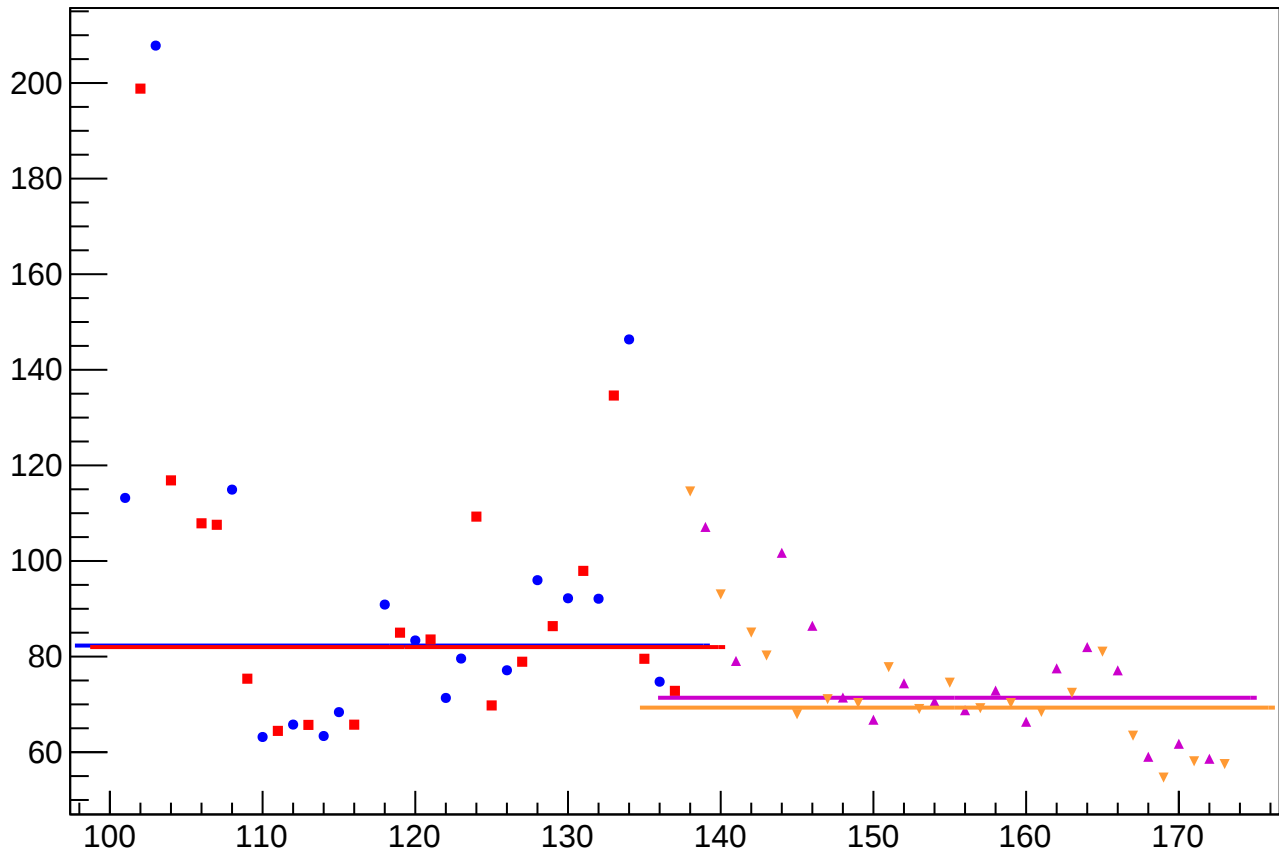
Right: 11.434 ± 23.273 $\chi^2/\text{NDF}: 42.1/34$

In: 62.118 ± 17.143 $\chi^2/\text{NDF}: 47.3/33$

Out: 54.676 ± 16.216 $\chi^2/\text{NDF}: 63.2/36$

All: 58.190 ± 11.780 $\chi^2/\text{NDF}: 110.6/70$

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 82.306+/-0.023 χ^2/NDF : 868742.4/16

Left Out: 69.324+/-0.013 χ^2/NDF : 678389.5/18

Right Out: 81.987+/-0.023 χ^2/NDF : 853217.2/17

Left In: 71.386+/-0.014 χ^2/NDF : 612247.7/16

Left: 70.285+/-0.010 χ^2/NDF : 1301983.3/35

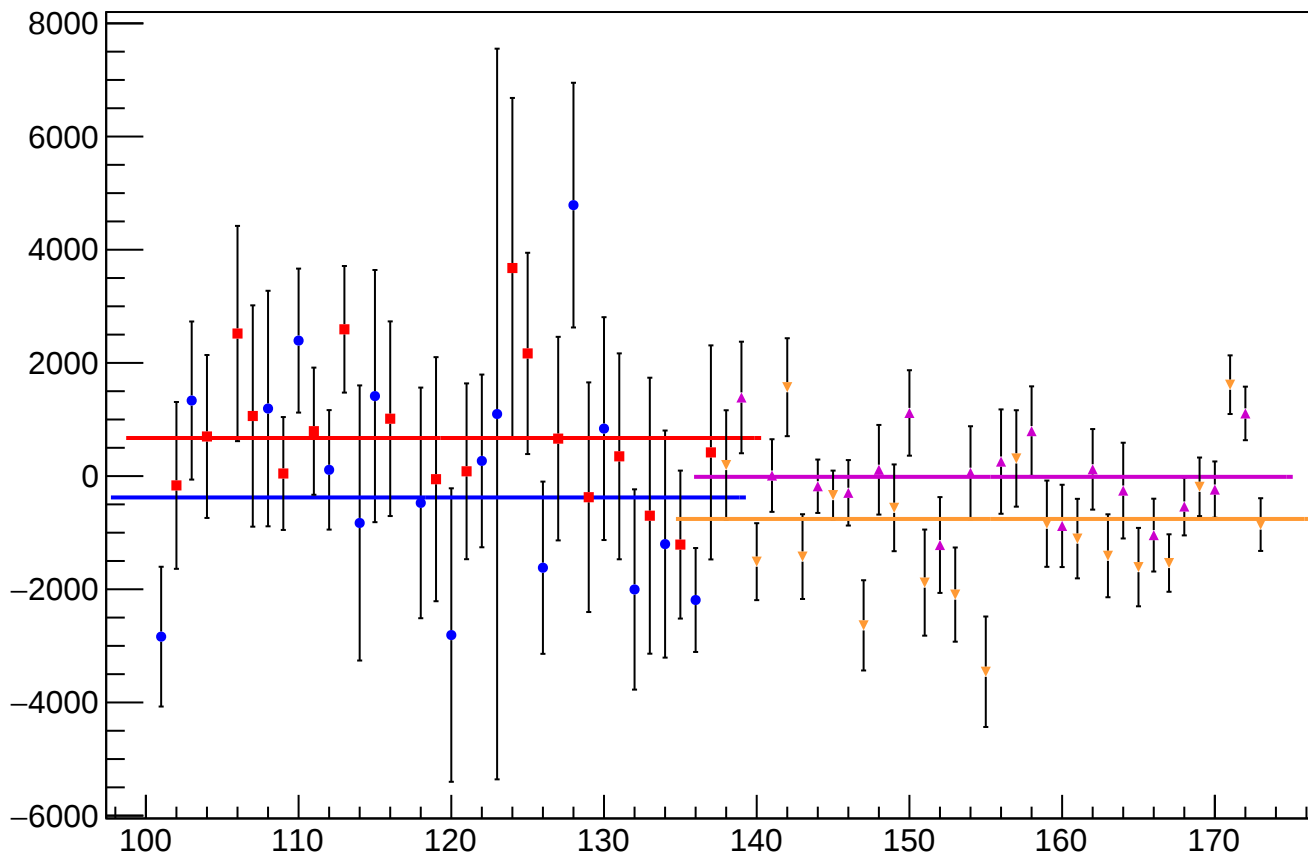
Right: 82.144+/-0.016 χ^2/NDF : 1722053.3/34

In: 74.293+/-0.012 χ^2/NDF : 1639485.6/33

Out: 72.456+/-0.011 χ^2/NDF : 1758666.0/36

All: 73.323+/-0.008 χ^2/NDF : 3410270.0/70

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -377.330 ± 383.897 $\chi^2/\text{NDF}: 24.5/16$

Left Out: -757.247 ± 151.435 $\chi^2/\text{NDF}: 57.2/18$

Right Out: 673.192 ± 368.624 $\chi^2/\text{NDF}: 9.4/17$

Left In: -13.207 ± 158.189 $\chi^2/\text{NDF}: 18.8/16$

Left: -401.451 ± 109.391 $\chi^2/\text{NDF}: 87.5/35$

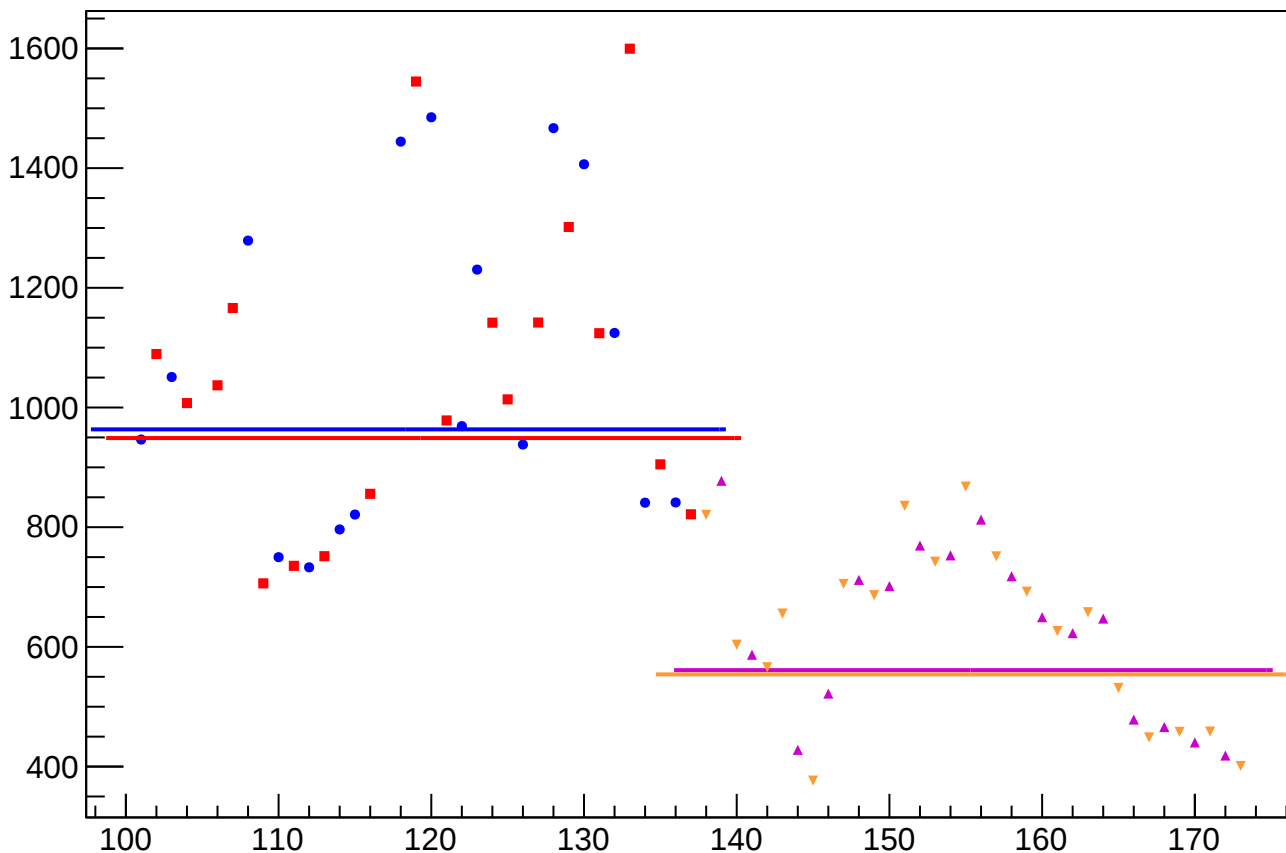
Right: 169.244 ± 265.892 $\chi^2/\text{NDF}: 37.7/34$

In: -66.059 ± 146.259 $\chi^2/\text{NDF}: 44.0/33$

Out: -550.696 ± 140.075 $\chi^2/\text{NDF}: 79.4/36$

All: -318.839 ± 101.164 $\chi^2/\text{NDF}: 129.1/70$

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 963.469 $\pm$ 0.271 χ^2 /NDF: 688873.3/16

Left Out: 554.069 $\pm$ 0.107 χ^2 /NDF: 1832588.7/18

Right Out: 948.947 $\pm$ 0.261 χ^2 /NDF: 729378.3/17

Left In: 561.144 $\pm$ 0.112 χ^2 /NDF: 1444589.0/16

Left: 557.452 $\pm$ 0.077 χ^2 /NDF: 3279265.2/35

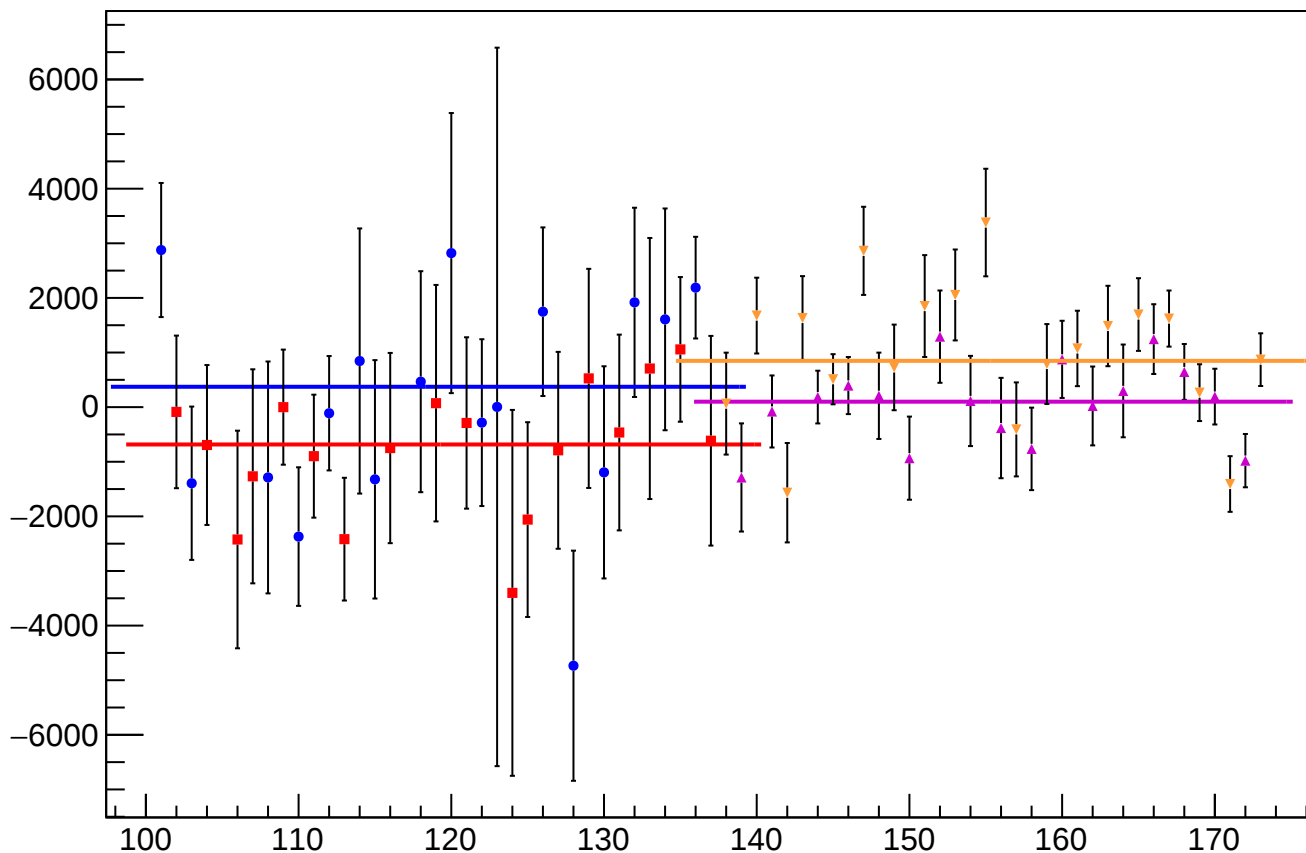
Right: 955.914 $\pm$ 0.188 χ^2 /NDF: 1419740.5/34

In: 619.541 $\pm$ 0.103 χ^2 /NDF: 4011240.1/33

Out: 611.088 $\pm$ 0.099 χ^2 /NDF: 4525607.7/36

All: 615.132 $\pm$ 0.072 χ^2 /NDF: 8540332.2/70

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 372.896 ± 383.661 $\chi^2/\text{NDF}: 25.3/16$

Left Out: 847.599 ± 153.004 $\chi^2/\text{NDF}: 54.6/18$

Right Out: -683.612 ± 372.418 $\chi^2/\text{NDF}: 7.8/17$

Left In: 99.869 ± 158.057 $\chi^2/\text{NDF}: 18.4/16$

Left: 485.878 ± 109.933 $\chi^2/\text{NDF}: 84.5/35$

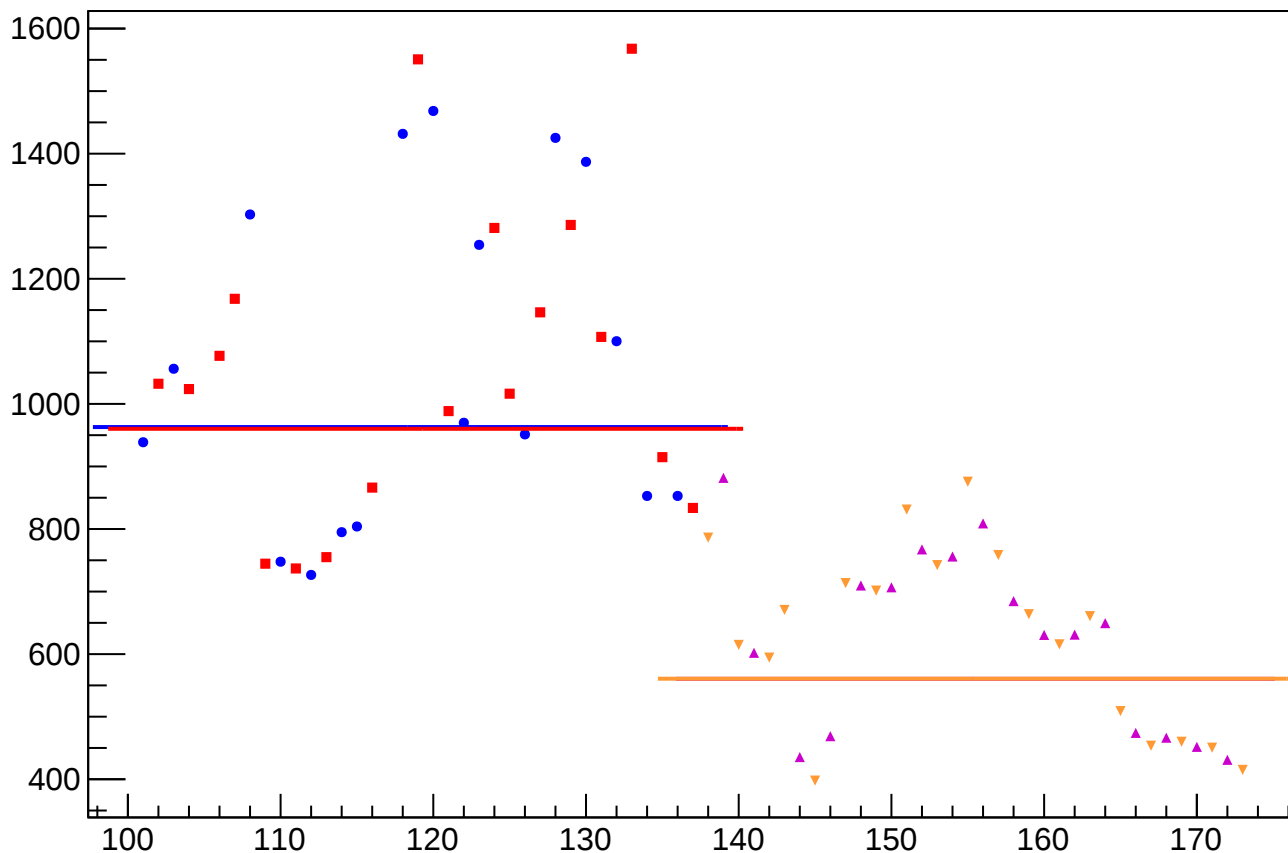
Right: -171.066 ± 267.226 $\chi^2/\text{NDF}: 36.9/34$

In: 139.483 ± 146.141 $\chi^2/\text{NDF}: 44.1/33$

Out: 626.471 ± 141.525 $\chi^2/\text{NDF}: 76.8/36$

All: 390.790 ± 101.666 $\chi^2/\text{NDF}: 126.6/70$

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 962.971 $\pm$ 0.271 χ^2 /NDF: 667521.9/16

Left Out: 560.719 $\pm$ 0.108 χ^2 /NDF:1673750.1/18

Right Out: 960.218 $\pm$ 0.263 χ^2 /NDF: 671009.3/17

Left In: 560.474 $\pm$ 0.112 χ^2 /NDF:1388696.6/16

Left: 560.601 $\pm$ 0.078 χ^2 /NDF: 3062449.2/35

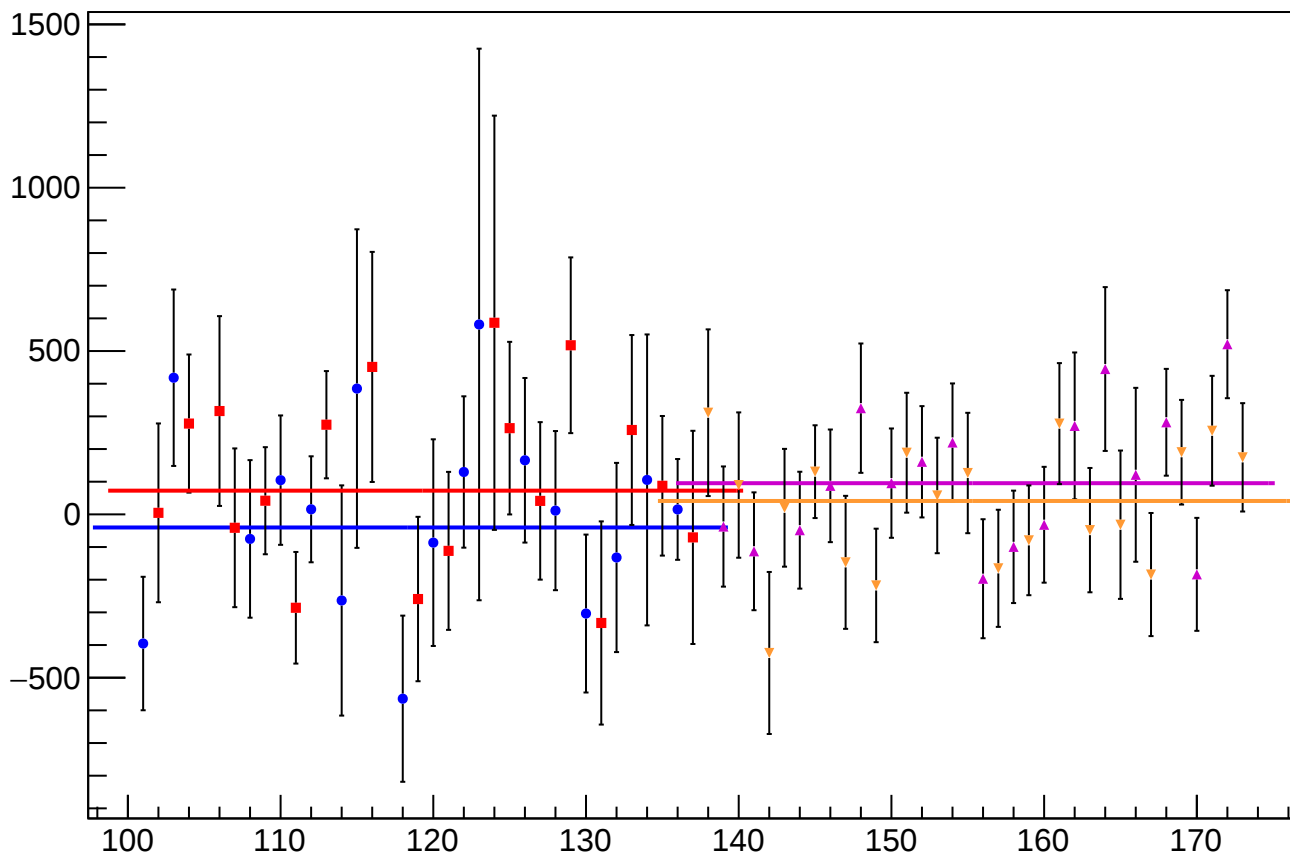
Right: 961.553 $\pm$ 0.189 χ^2 /NDF: 1338584.2/34

In: 618.874 $\pm$ 0.103 χ^2 /NDF:3938029.3/33

Out: 618.412 $\pm$ 0.100 χ^2 /NDF:4313839.5/36

All: 618.636 $\pm$ 0.072 χ^2 /NDF: 8251879.1/70

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -40.122 ± 59.256 $\chi^2/\text{NDF}: 15.3/16$

Left Out: 41.008 ± 42.177 $\chi^2/\text{NDF}: 17.4/18$

Right Out: 72.607 ± 56.313 $\chi^2/\text{NDF}: 17.6/17$

Left In: 95.437 ± 44.526 $\chi^2/\text{NDF}: 21.9/16$

Left: 66.749 ± 30.620 $\chi^2/\text{NDF}: 40.1/35$

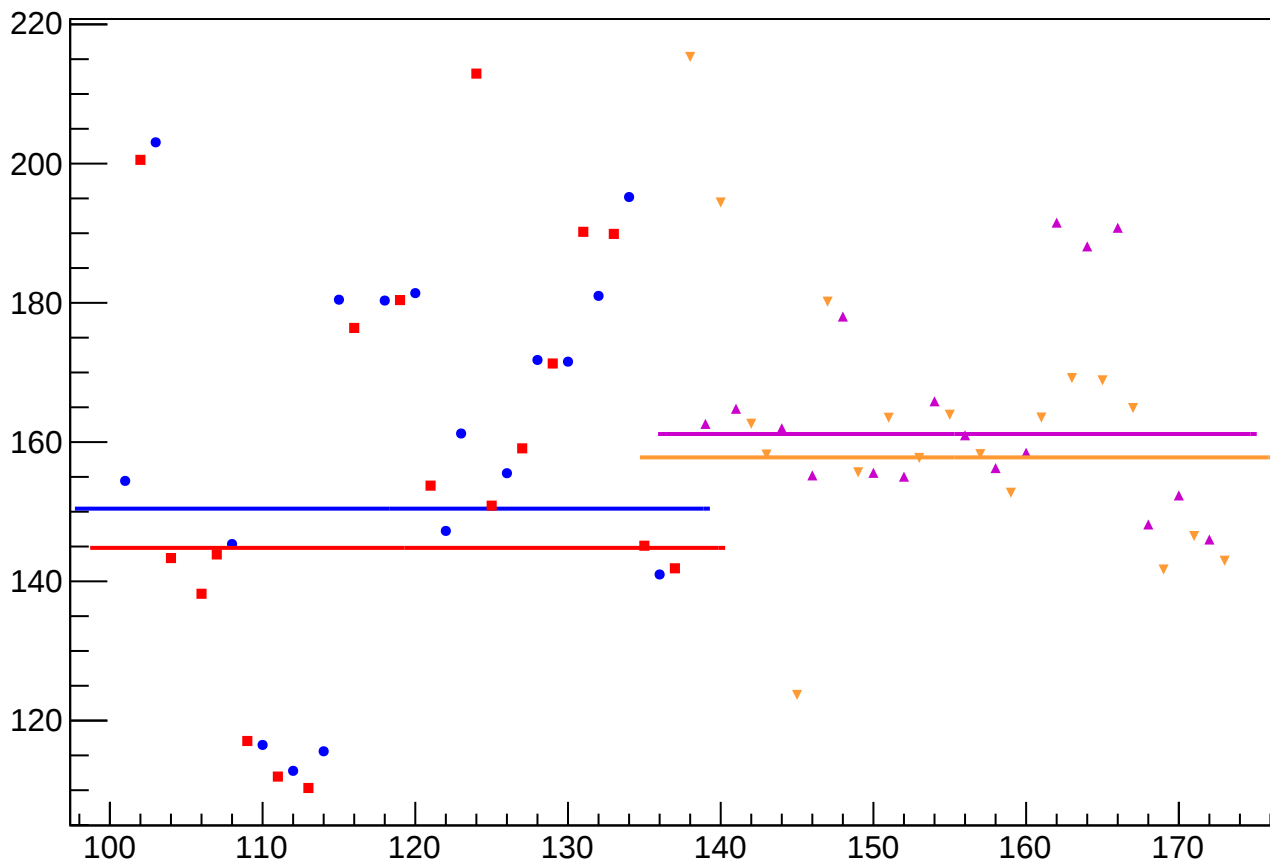
Right: 19.111 ± 40.820 $\chi^2/\text{NDF}: 34.8/34$

In: 46.518 ± 35.596 $\chi^2/\text{NDF}: 40.6/33$

Out: 52.363 ± 33.758 $\chi^2/\text{NDF}: 35.2/36$

All: 49.596 ± 24.495 $\chi^2/\text{NDF}: 75.8/70$

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 150.442 $\pm$ 0.042 χ^2 /NDF: 400121.4/16

Left Out: 157.806 $\pm$ 0.030 χ^2 /NDF:364331.3/18

Right Out: 144.807 $\pm$ 0.040 χ^2 /NDF: 503863.1/17

Left In: 161.164 $\pm$ 0.031 χ^2 /NDF:145098.4/16

Left: 159.394 $\pm$ 0.022 χ^2 /NDF: 515425.6/35

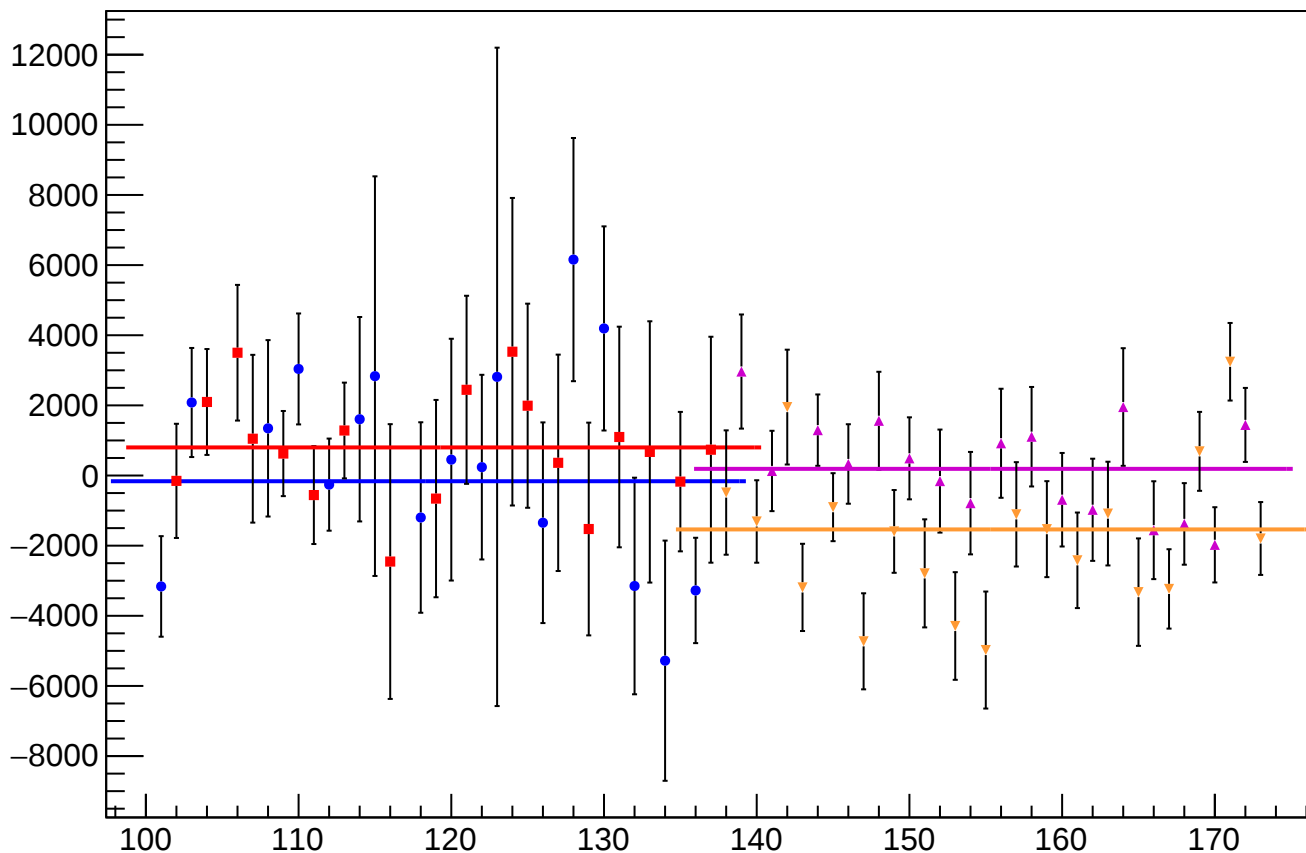
Right: 147.481 $\pm$ 0.029 χ^2 /NDF: 913486.7/34

In: 157.295 $\pm$ 0.025 χ^2 /NDF:587072.0/33

Out: 153.135 $\pm$ 0.024 χ^2 /NDF:936462.3/36

All: 155.104 $\pm$ 0.017 χ^2 /NDF: 1537915.8/70

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -162.807 ± 533.165 $\chi^2/\text{NDF}: 25.1/16$

Left Out: -1537.022 ± 297.432 $\chi^2/\text{NDF}: 47.5/18$

Right Out: 801.139 ± 486.610 $\chi^2/\text{NDF}: 6.9/17$

Left In: 190.040 ± 310.387 $\chi^2/\text{NDF}: 17.3/16$

Left: -710.284 ± 214.750 $\chi^2/\text{NDF}: 81.0/35$

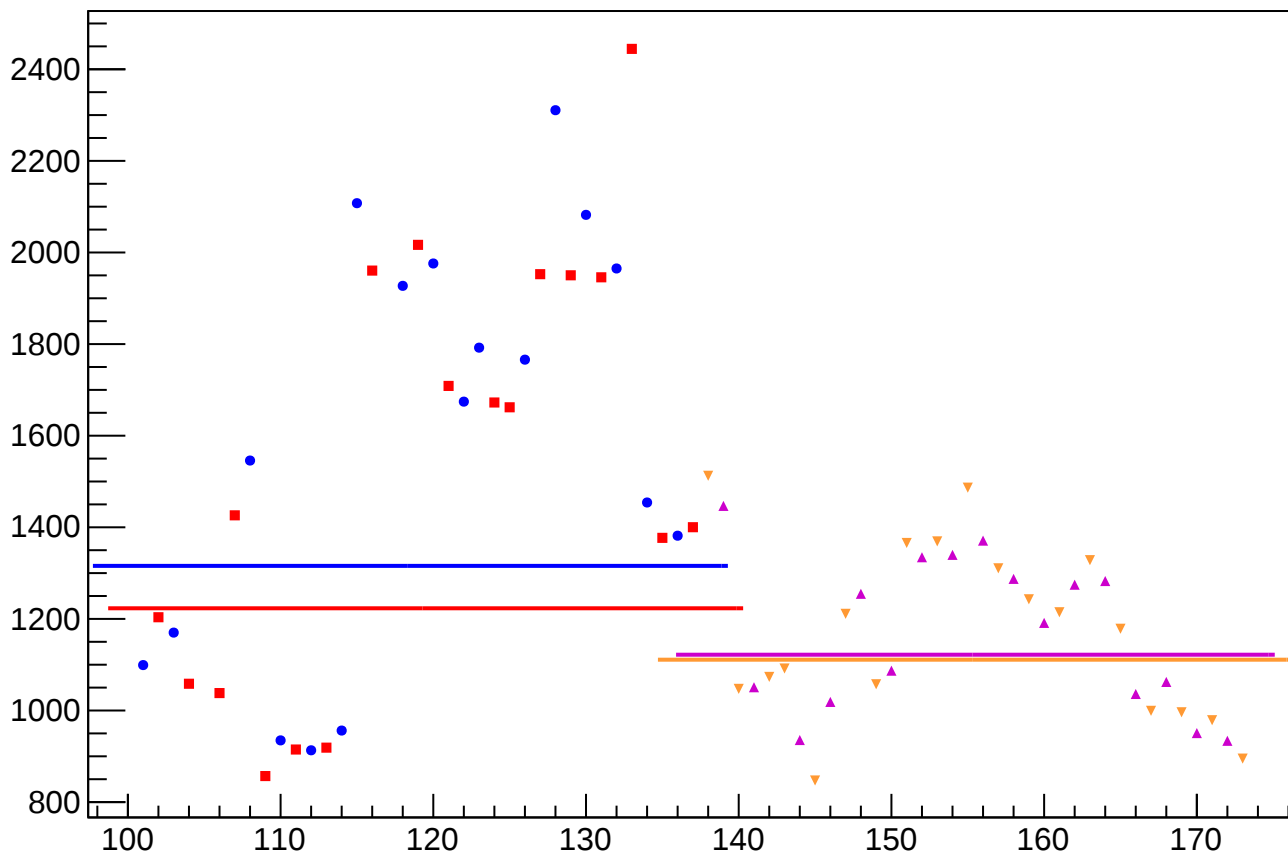
Right: 363.081 ± 359.419 $\chi^2/\text{NDF}: 33.7/34$

In: 100.726 ± 268.243 $\chi^2/\text{NDF}: 42.7/33$

Out: -901.067 ± 253.780 $\chi^2/\text{NDF}: 71.2/36$

All: -427.904 ± 184.350 $\chi^2/\text{NDF}: 121.3/70$

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1315.784 $\pm$ 0.377 χ^2 /NDF: 1118346.6/16

Left Out: 1110.943 $\pm$ 0.210 χ^2 /NDF: 754038.8/18

Right Out: 1223.179 $\pm$ 0.344 χ^2 /NDF: 1363055.0/17

Left In: 1121.826 $\pm$ 0.219 χ^2 /NDF: 528968.4/16

Left: 1116.153 $\pm$ 0.152 χ^2 /NDF: 1284288.9/35

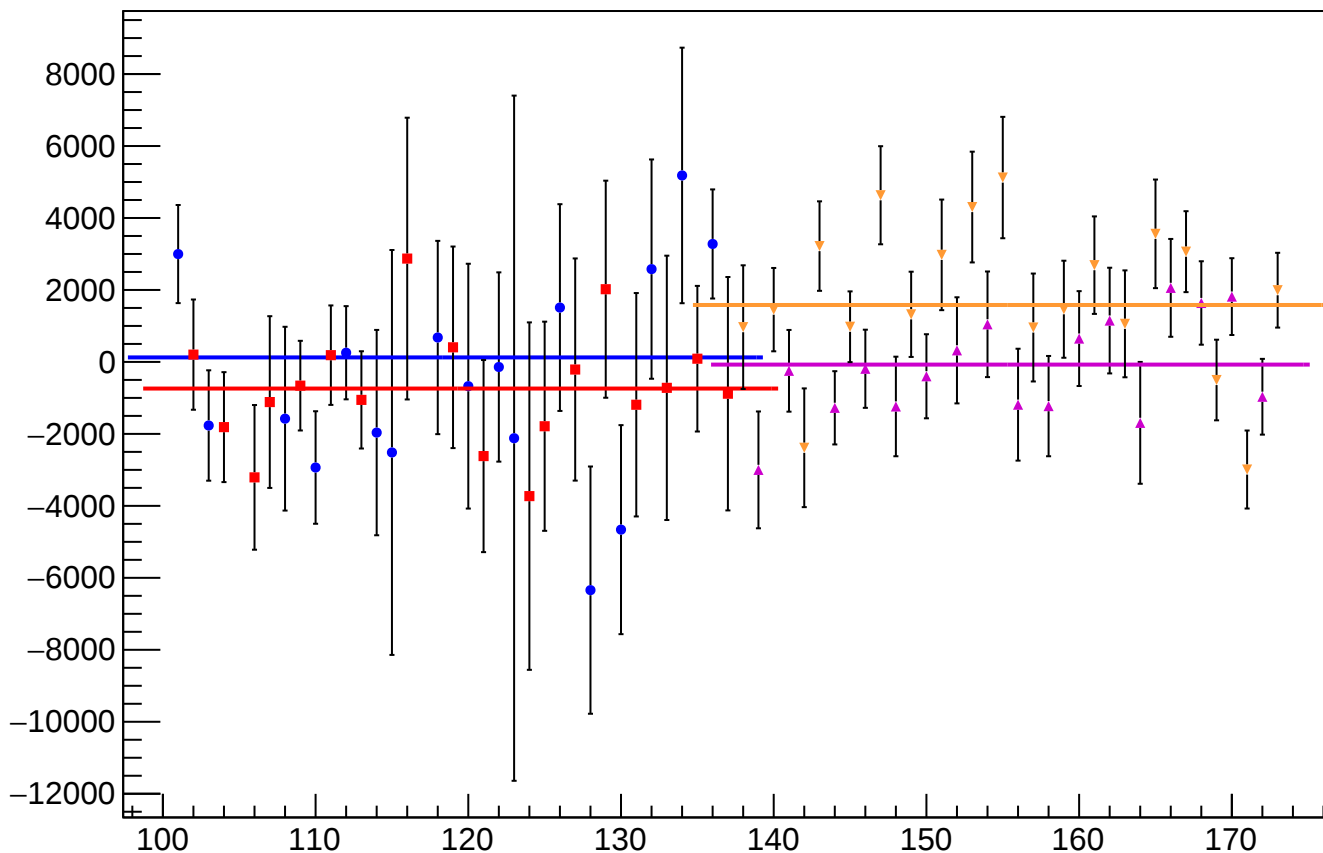
Right: 1265.263 $\pm$ 0.254 χ^2 /NDF: 2514318.9/34

In: 1170.921 $\pm$ 0.190 χ^2 /NDF: 1845000.1/33

Out: 1141.470 $\pm$ 0.179 χ^2 /NDF: 2194551.8/36

All: 1155.380 $\pm$ 0.130 χ^2 /NDF: 4052274.1/70

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 125.377 $\pm$ 526.801 χ^2 /NDF: 24.7/16

Left Out: 1582.307 $\pm$ 296.450 χ^2 /NDF:47.3/18

Right Out: -739.954 $\pm$ 486.808 χ^2 /NDF: 6.0/17

Left In: -74.250 $\pm$ 308.165 χ^2 /NDF:17.7/16

Left: 786.115 $\pm$ 213.643 χ^2 /NDF: 80.0/35

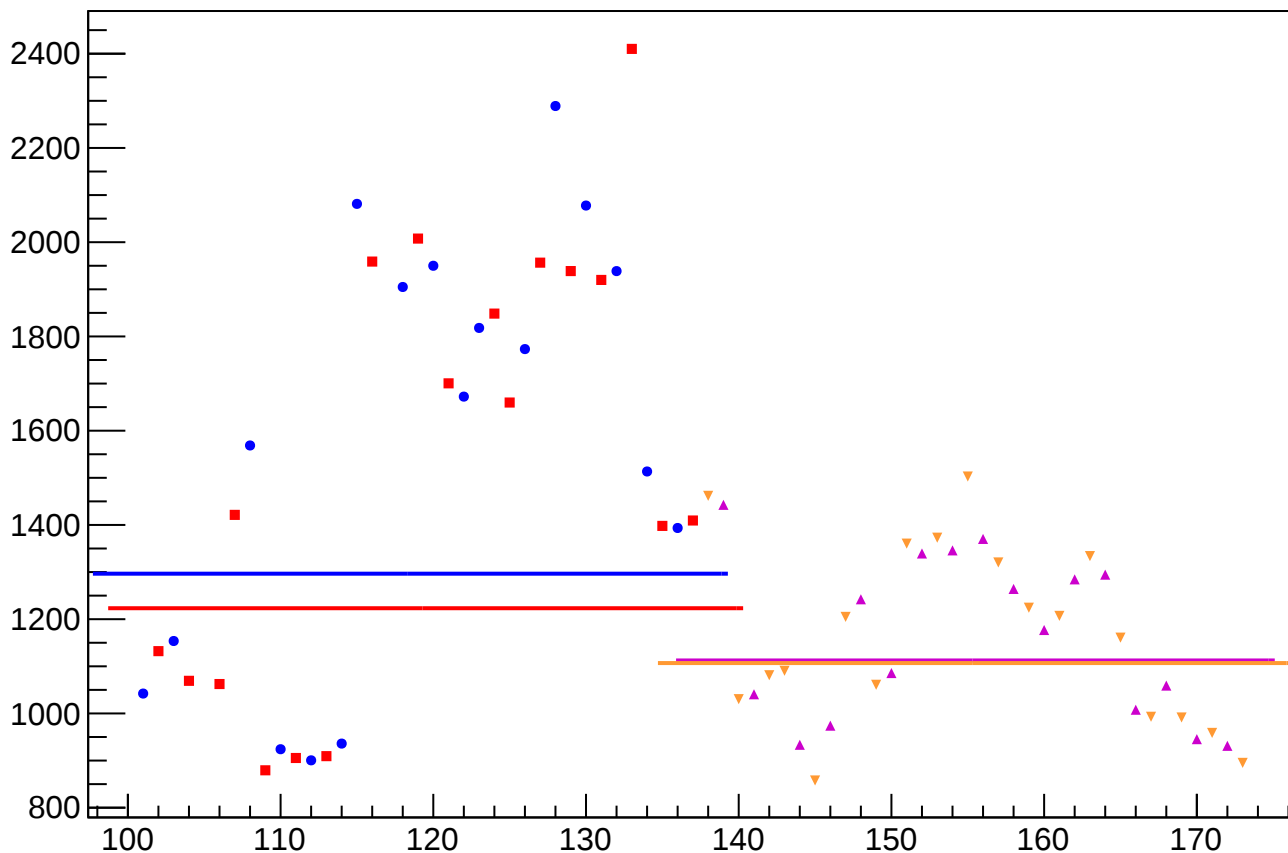
Right: -341.379 $\pm$ 357.529 χ^2 /NDF: 32.1/34

In: -23.355 $\pm$ 265.996 χ^2 /NDF:42.5/33

Out: 954.088 $\pm$ 253.196 χ^2 /NDF:69.9/36

All: 489.449 $\pm$ 183.395 χ^2 /NDF: 119.5/70

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1296.573 $\pm$ 0.373 χ^2 /NDF: 1175465.2/16

Left Out: 1106.900 $\pm$ 0.210 χ^2 /NDF: 739231.1/18

Right Out: 1223.274 $\pm$ 0.344 χ^2 /NDF: 1346689.2/17

Left In: 1112.423 $\pm$ 0.218 χ^2 /NDF: 560202.4/16

Left: 1109.555 $\pm$ 0.151 χ^2 /NDF: 1299767.1/35

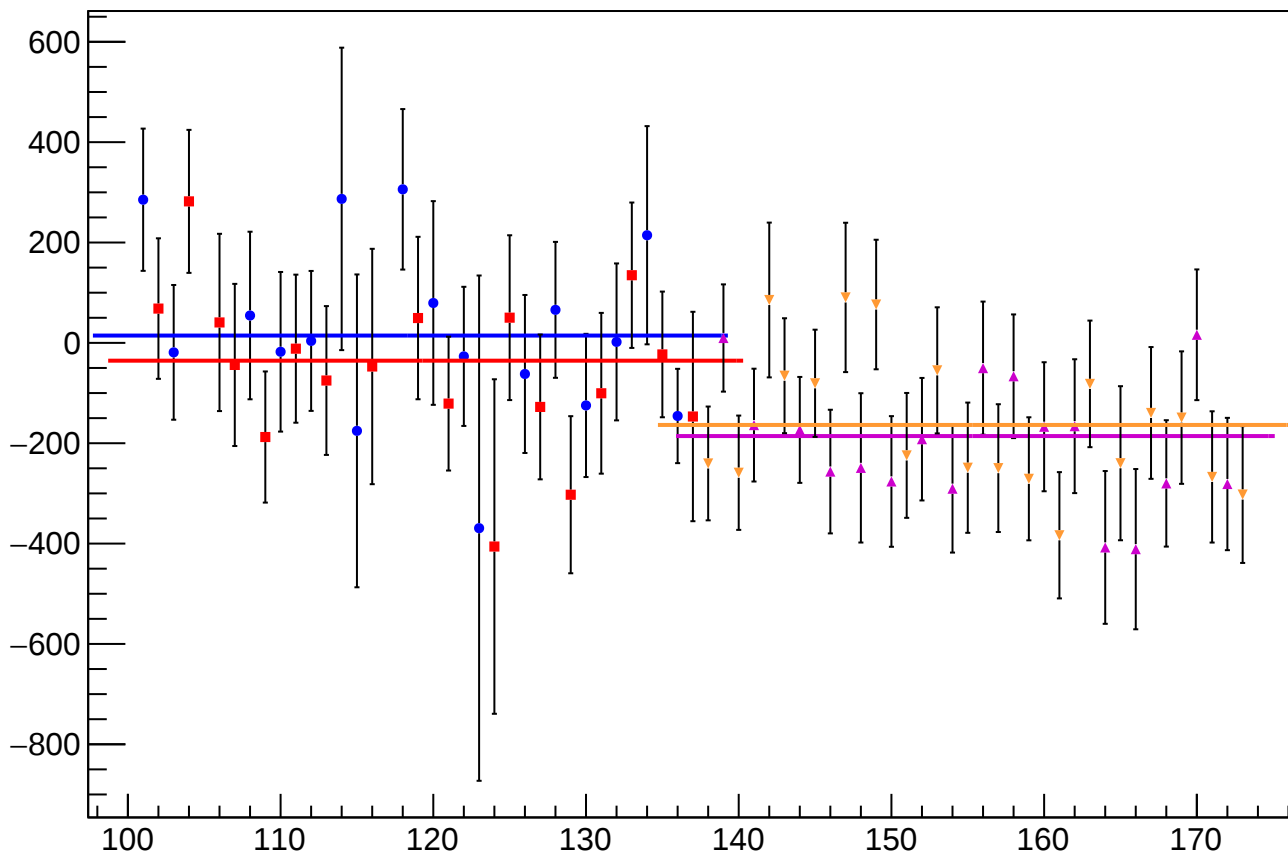
Right: 1257.036 $\pm$ 0.253 χ^2 /NDF: 2543039.6/34

In: 1159.372 $\pm$ 0.188 χ^2 /NDF: 1917749.2/33

Out: 1138.382 $\pm$ 0.179 χ^2 /NDF: 2169296.6/36

All: 1148.360 $\pm$ 0.130 χ^2 /NDF: 4093580.1/70

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 14.577 ± 38.017 $\chi^2/\text{NDF}: 14.2/16$

Left Out: -163.567 ± 29.143 $\chi^2/\text{NDF}: 19.5/18$

Right Out: -35.475 ± 36.728 $\chi^2/\text{NDF}: 14.5/17$

Left In: -185.712 ± 30.765 $\chi^2/\text{NDF}: 14.7/16$

Left: -174.041 ± 21.158 $\chi^2/\text{NDF}: 34.5/35$

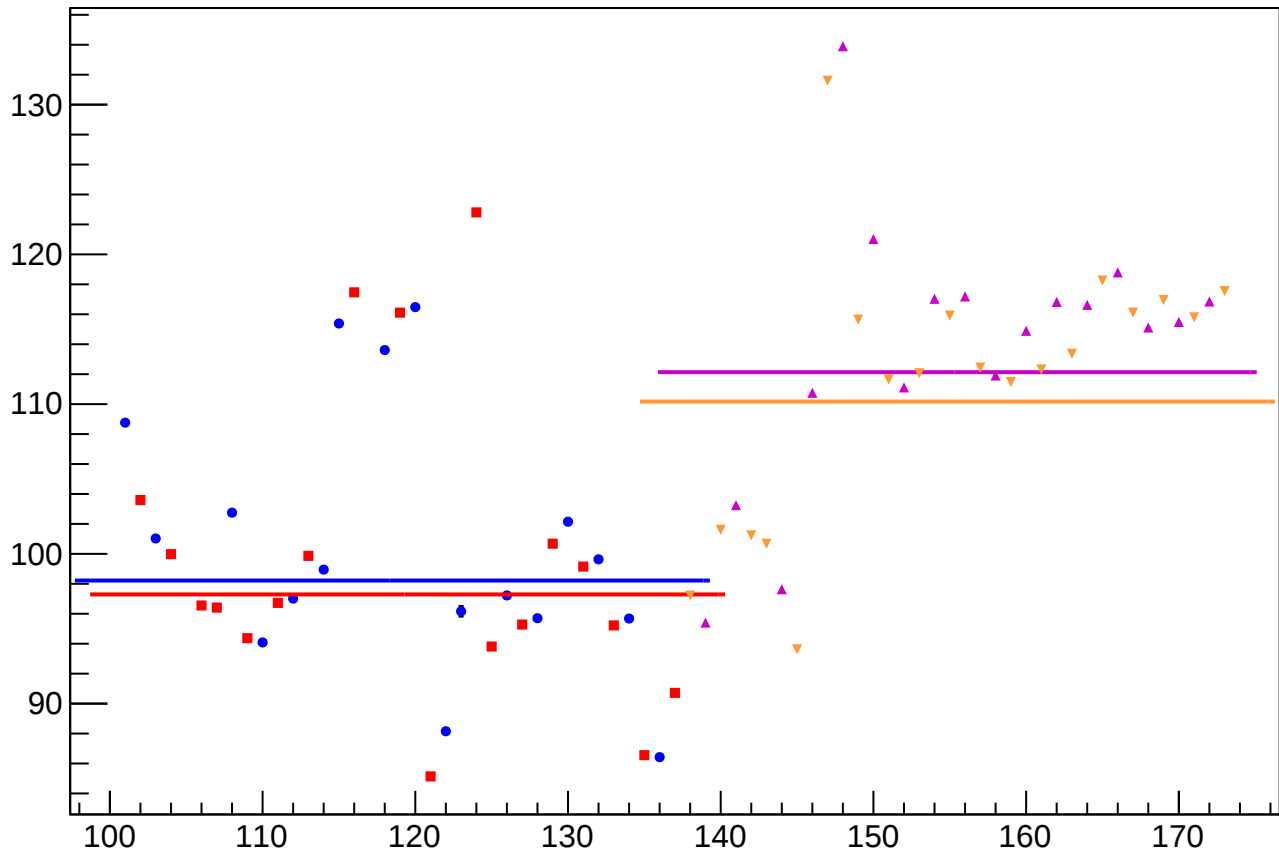
Right: -11.312 ± 26.414 $\chi^2/\text{NDF}: 29.6/34$

In: -106.452 ± 23.915 $\chi^2/\text{NDF}: 45.7/33$

Out: -114.076 ± 22.829 $\chi^2/\text{NDF}: 41.5/36$

All: -110.441 ± 16.513 $\chi^2/\text{NDF}: 87.2/70$

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 98.219+/-0.027 χ^2/NDF : 100510.4/16

Left Out: 110.171+/-0.021 χ^2/NDF : 182789.4/18

Right Out: 97.290+/-0.026 χ^2/NDF : 96216.6/17

Left In: 112.134+/-0.022 χ^2/NDF : 171229.8/16

Left: 111.099+/-0.015 χ^2/NDF : 358310.4/35

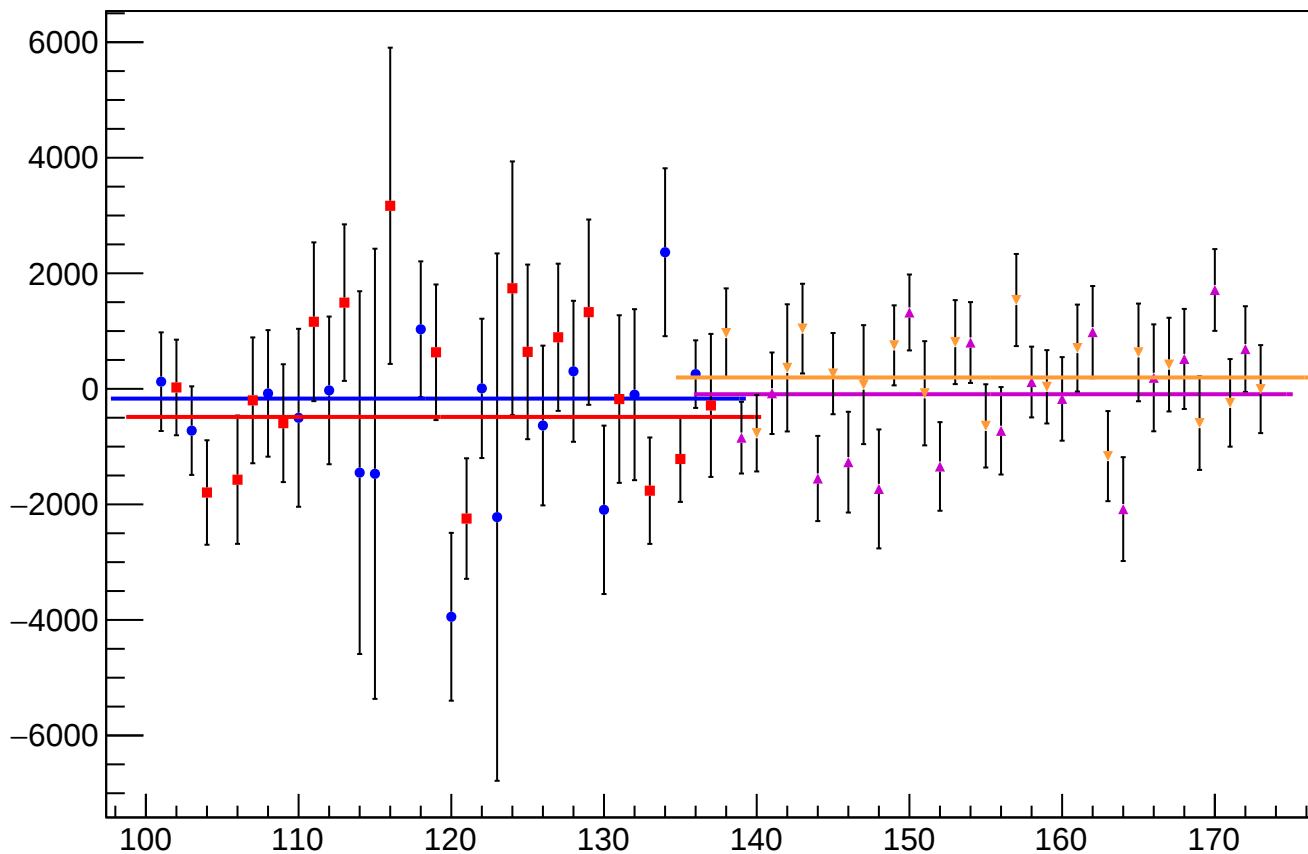
Right: 97.739+/-0.019 χ^2/NDF : 197344.2/34

In: 106.627+/-0.017 χ^2/NDF : 433653.3/33

Out: 105.194+/-0.016 χ^2/NDF : 429953.4/36

All: 105.878+/-0.012 χ^2/NDF : 867364.4/70

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -168.802 $\pm$ 282.178 χ^2 /NDF: 14.6/16

Left Out: 196.736 $\pm$ 177.028 χ^2 /NDF:15.2/18

Right Out: -486.312 $\pm$ 268.010 χ^2 /NDF: 19.6/17

Left In: -93.341 $\pm$ 181.944 χ^2 /NDF:34.4/16

Left: 55.669 $\pm$ 126.880 χ^2 /NDF: 50.9/35

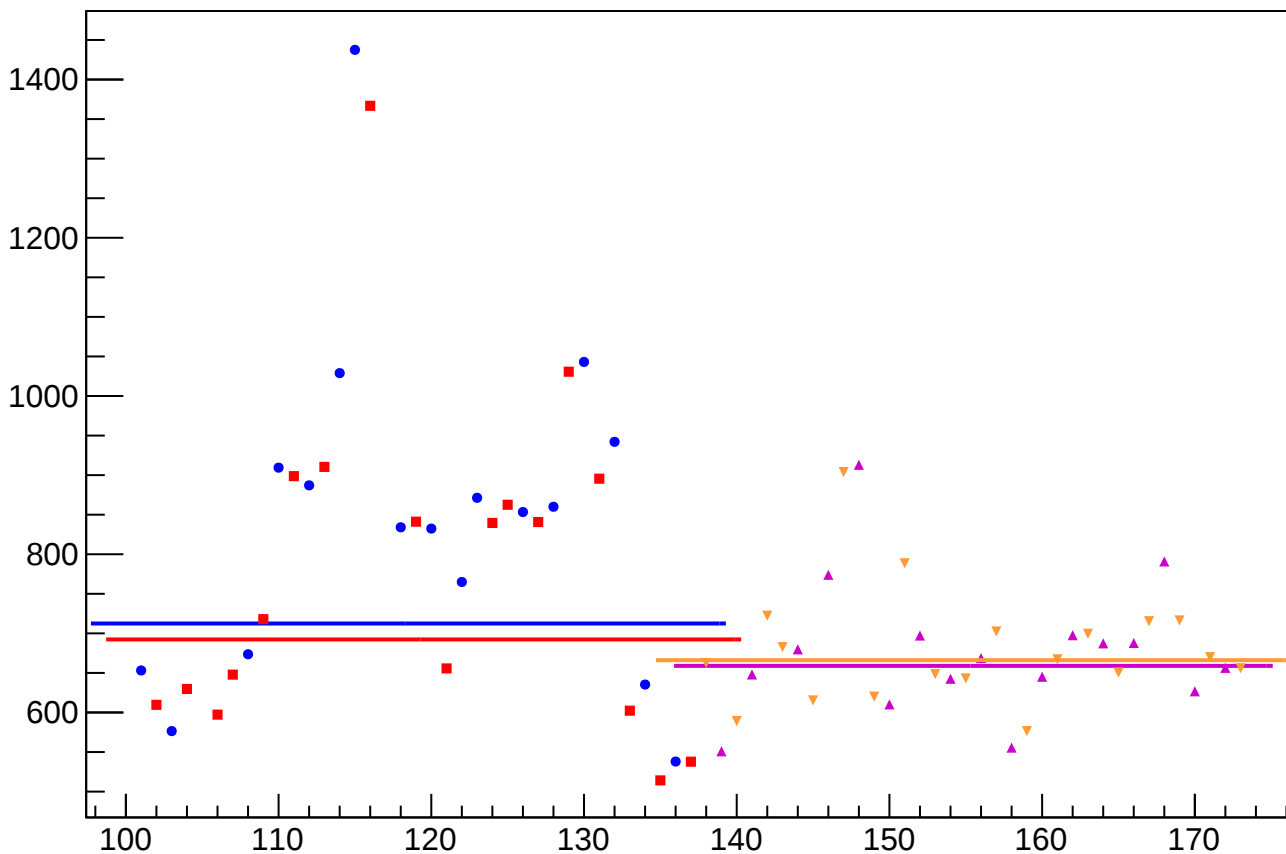
Right: -335.728 $\pm$ 194.327 χ^2 /NDF: 34.9/34

In: -115.501 $\pm$ 152.913 χ^2 /NDF:49.0/33

Out: -10.751 $\pm$ 147.713 χ^2 /NDF:39.4/36

All: -61.315 $\pm$ 106.240 χ^2 /NDF: 88.6/70

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 712.476 ± 0.200 $\chi^2/\text{NDF}: 660520.6/16$

Left Out: 666.116 ± 0.125 $\chi^2/\text{NDF}: 263085.1/18$

Right Out: 692.342 ± 0.190 $\chi^2/\text{NDF}: 656953.1/17$

Left In: 658.918 ± 0.129 $\chi^2/\text{NDF}: 353508.1/16$

Left: 662.615 ± 0.090 $\chi^2/\text{NDF}: 618201.3/35$

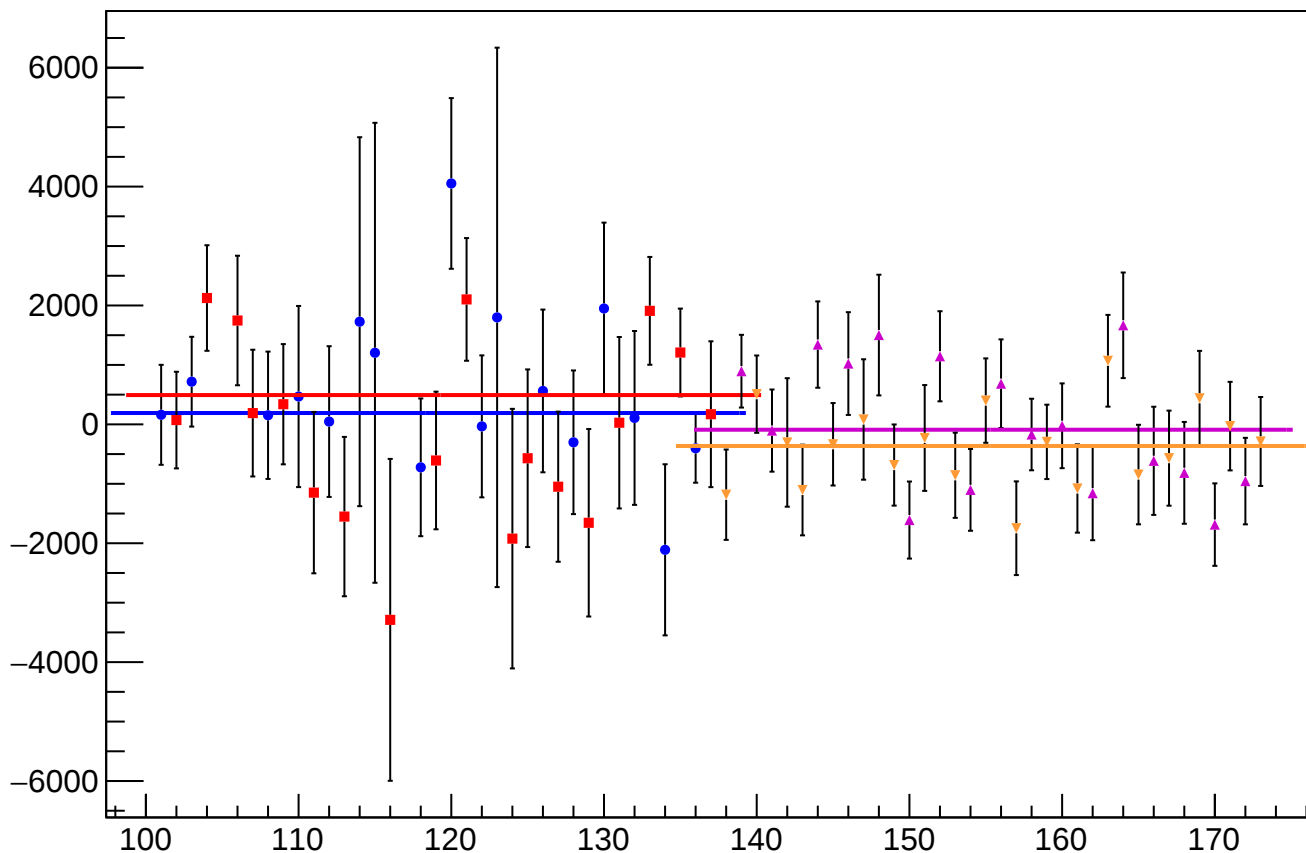
Right: 701.891 ± 0.137 $\chi^2/\text{NDF}: 1322826.7/34$

In: 674.645 ± 0.108 $\chi^2/\text{NDF}: 1064921.0/33$

Out: 674.083 ± 0.104 $\chi^2/\text{NDF}: 933372.0/36$

All: 674.354 ± 0.075 $\chi^2/\text{NDF}: 1998307.0/70$

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 190.880 $\pm$ 278.670 χ^2/NDF : 14.2/16

Left Out: -363.536 $\pm$ 174.419 χ^2/NDF :15.1/18

Right Out: 492.784 $\pm$ 264.629 χ^2/NDF : 22.8/17

Left In: -90.316 $\pm$ 179.219 χ^2/NDF :35.5/16

Left: -230.633 $\pm$ 124.995 χ^2/NDF : 51.8/35

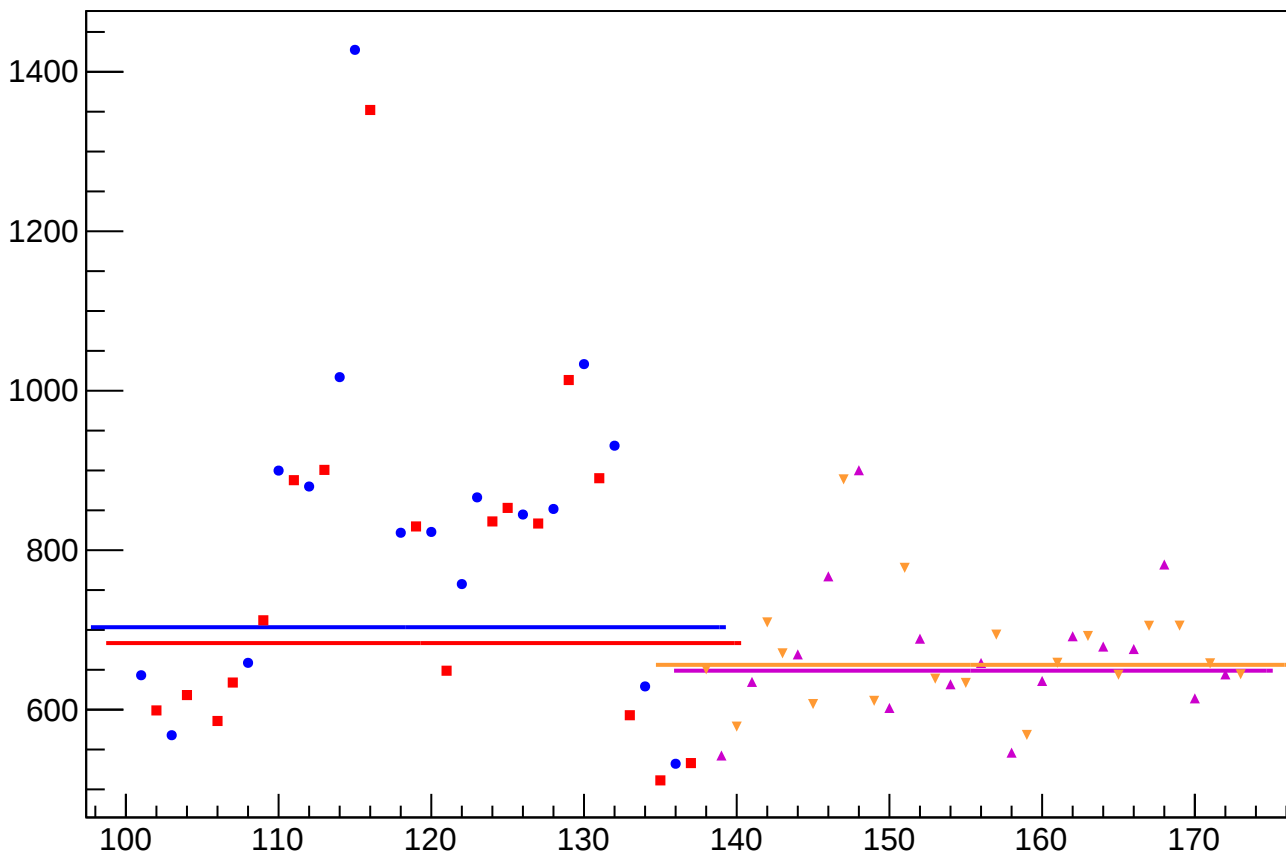
Right: 349.629 $\pm$ 191.893 χ^2/NDF : 37.6/34

In: -8.041 $\pm$ 150.737 χ^2/NDF :50.4/33

Out: -104.195 $\pm$ 145.632 χ^2/NDF :45.1/36

All: -57.774 $\pm$ 104.735 χ^2/NDF : 95.8/70

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 703.406 $\pm$ 0.197 χ^2 /NDF: 666885.8/16

Left Out: 656.212 $\pm$ 0.123 χ^2 /NDF: 263519.8/18

Right Out: 683.493 $\pm$ 0.187 χ^2 /NDF: 659356.0/17

Left In: 648.864 $\pm$ 0.127 χ^2 /NDF: 363013.4/16

Left: 652.637 $\pm$ 0.088 χ^2 /NDF: 628259.9/35

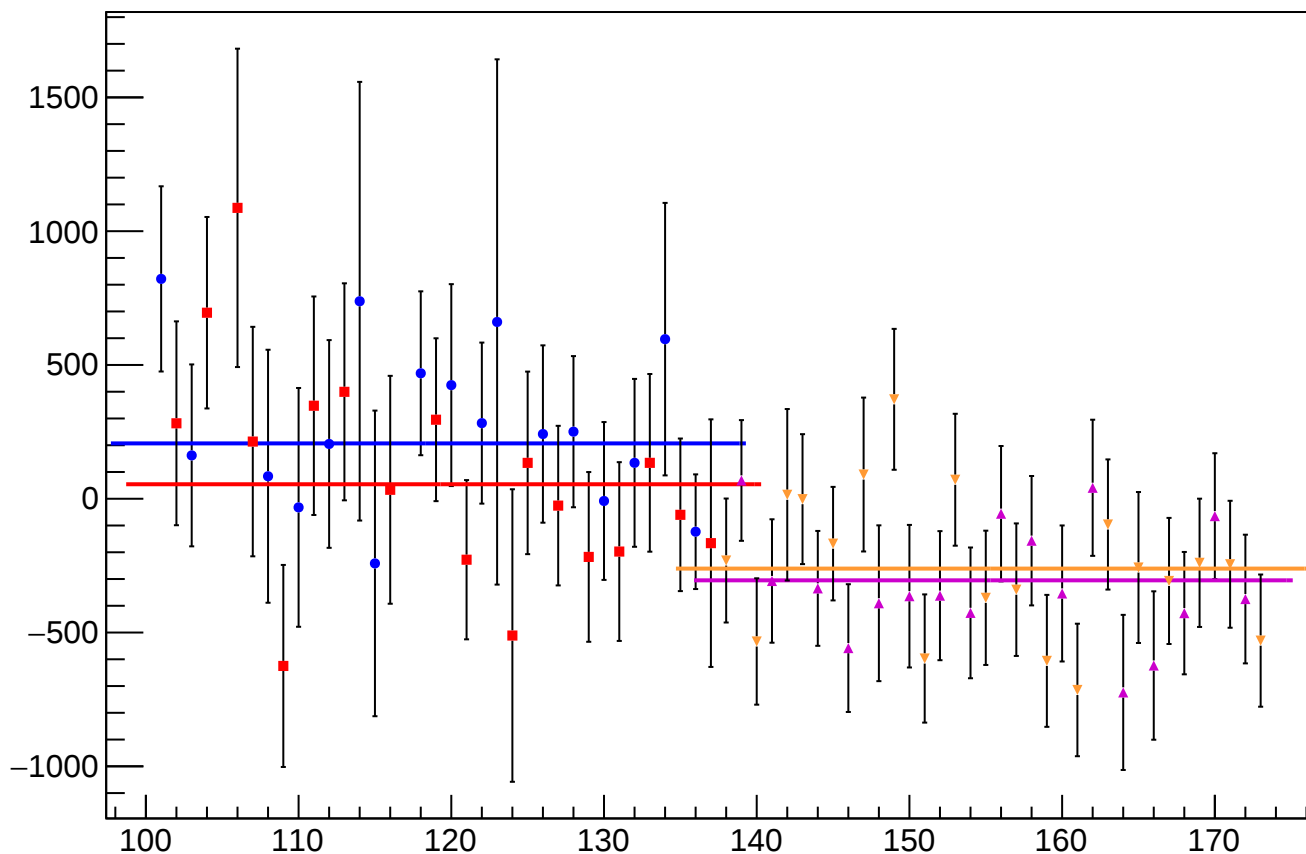
Right: 692.935 $\pm$ 0.136 χ^2 /NDF: 1331611.8/34

In: 664.822 $\pm$ 0.107 χ^2 /NDF: 1084098.2/33

Out: 664.474 $\pm$ 0.103 χ^2 /NDF: 937694.2/36

All: 664.642 $\pm$ 0.074 χ^2 /NDF: 2021797.9/70

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 206.874 $\pm$ 85.632 χ^2 /NDF: 9.5/16

Left Out: -261.044 $\pm$ 56.810 χ^2 /NDF:21.8/18

Right Out: 54.185 $\pm$ 85.192 χ^2 /NDF: 15.7/17

Left In: -304.910 $\pm$ 59.699 χ^2 /NDF:12.4/16

Left: -281.890 $\pm$ 41.154 χ^2 /NDF: 34.4/35

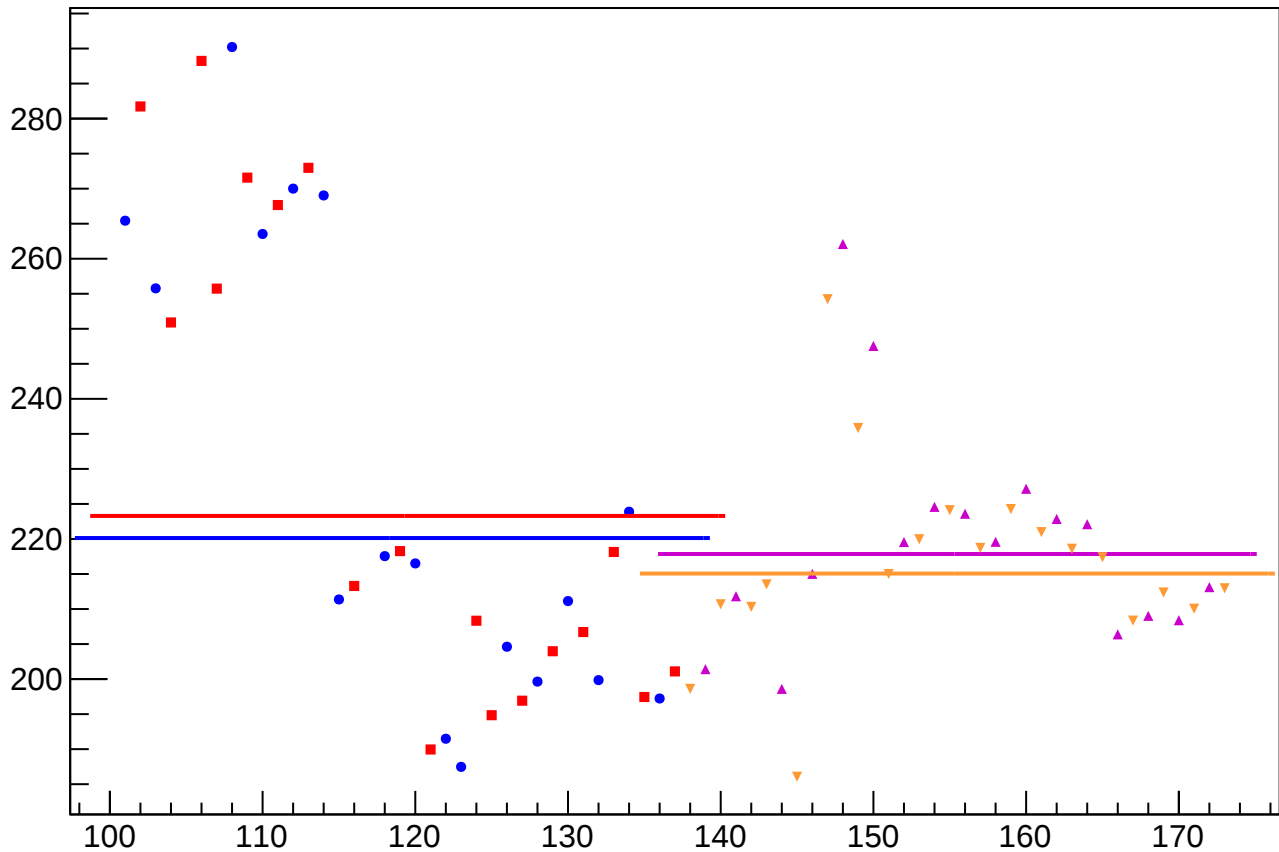
Right: 130.137 $\pm$ 60.395 χ^2 /NDF: 26.8/34

In: -137.523 $\pm$ 48.972 χ^2 /NDF:45.9/33

Out: -164.014 $\pm$ 47.265 χ^2 /NDF:46.9/36

All: -151.238 $\pm$ 34.009 χ^2 /NDF: 93.0/70

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 220.133 $\pm$ 0.061 χ^2/NDF : 228444.0/16

Left Out: 215.062 $\pm$ 0.040 χ^2/NDF : 109447.7/18

Right Out: 223.287 $\pm$ 0.060 χ^2/NDF : 272255.2/17

Left In: 217.853 $\pm$ 0.042 χ^2/NDF : 116433.3/16

Left: 216.389 $\pm$ 0.029 χ^2/NDF : 228174.9/35

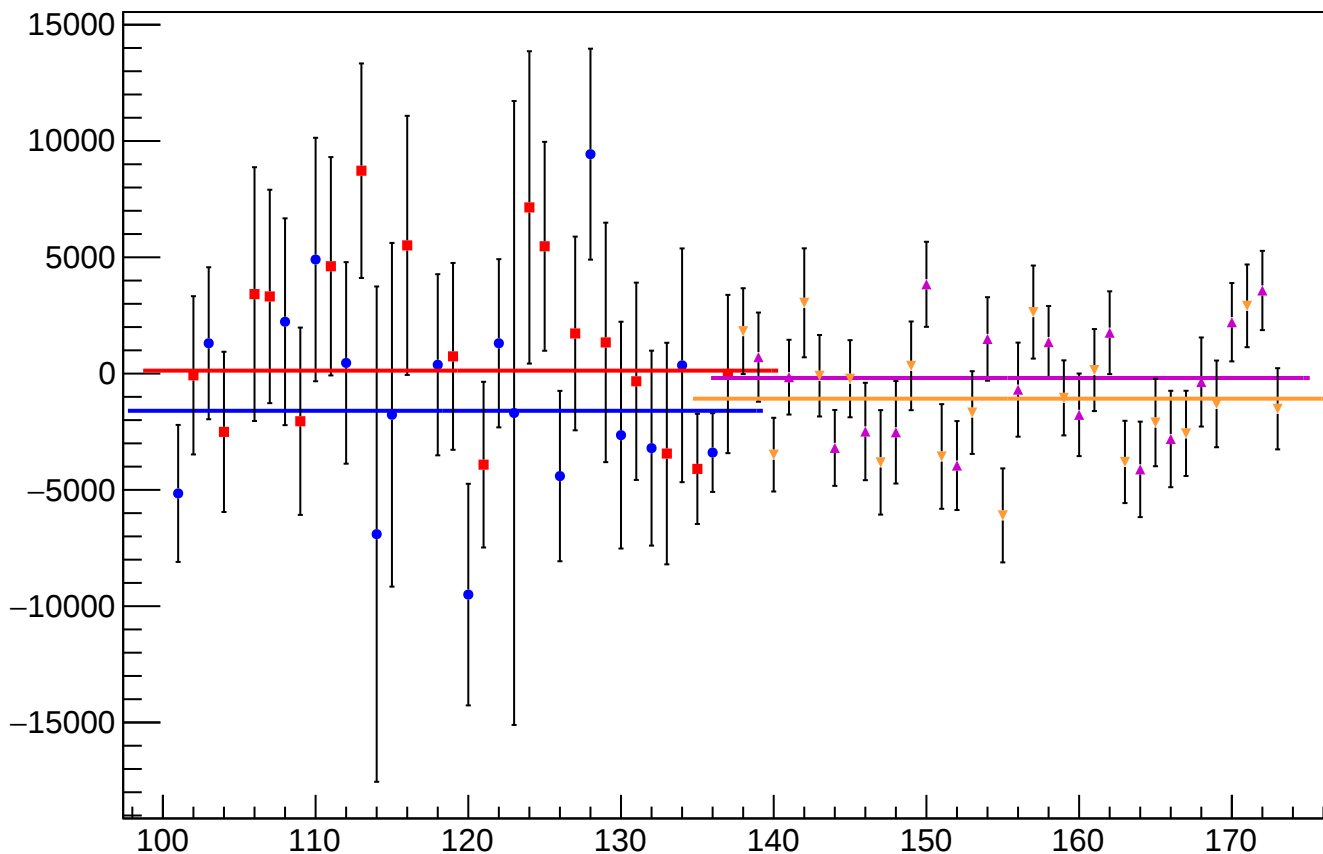
Right: 221.718 $\pm$ 0.043 χ^2/NDF : 502063.5/34

In: 218.599 $\pm$ 0.035 χ^2/NDF : 345830.9/33

Out: 217.594 $\pm$ 0.033 χ^2/NDF : 394607.1/36

All: 218.079 $\pm$ 0.024 χ^2/NDF : 740873.7/70

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1599.045 $\pm$ 921.042 χ^2 /NDF: 16.6/16

Left Out: -1077.572 $\pm$ 423.169 χ^2 /NDF:30.4/18

Right Out: 127.760 $\pm$ 949.094 χ^2 /NDF: 14.8/17

Left In: -188.754 $\pm$ 443.511 χ^2 /NDF:30.8/16

Left: -654.013 $\pm$ 306.165 χ^2 /NDF: 63.2/35

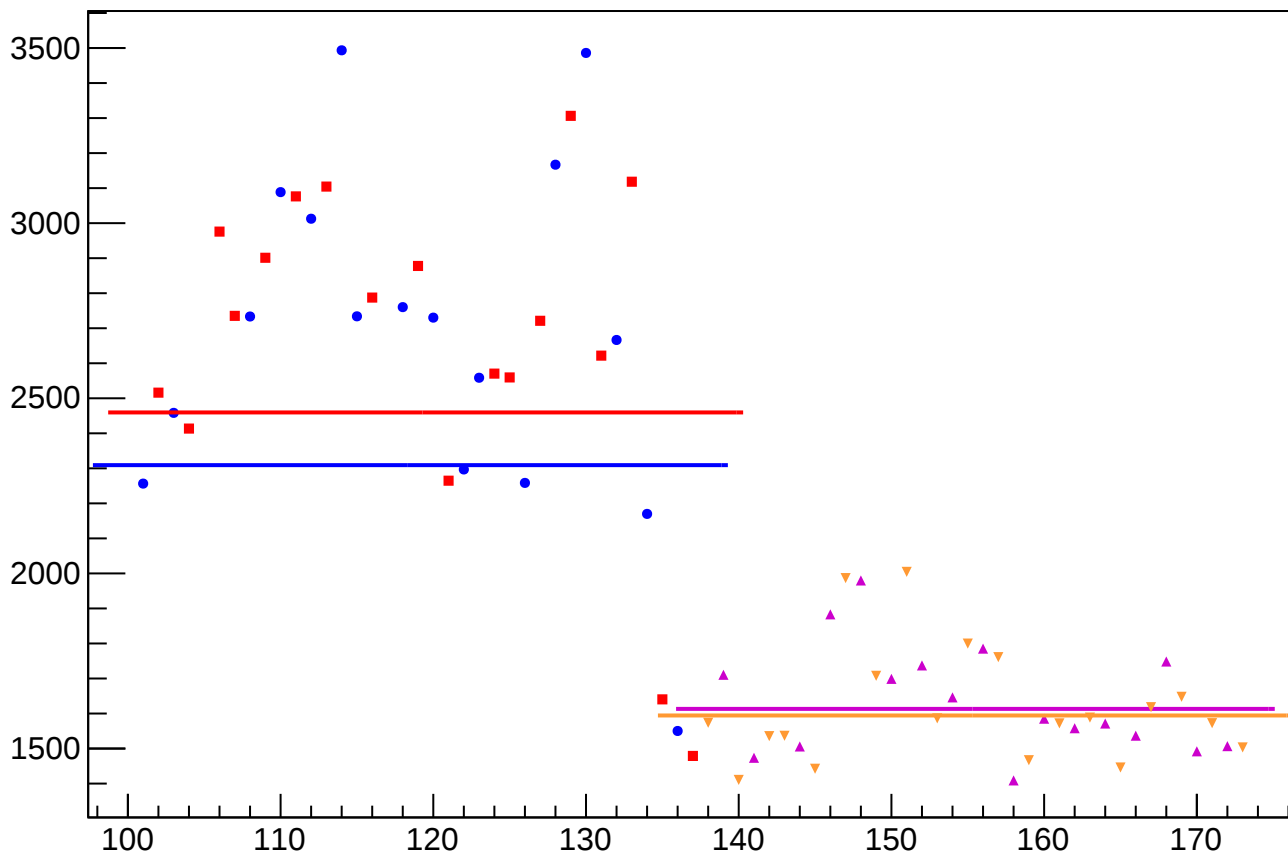
Right: -761.539 $\pm$ 660.970 χ^2 /NDF: 33.2/34

In: -454.210 $\pm$ 399.596 χ^2 /NDF:49.3/33

Out: -877.691 $\pm$ 386.493 χ^2 /NDF:46.6/36

All: -673.008 $\pm$ 277.809 χ^2 /NDF: 96.4/70

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2309.132 $\pm$ 0.651 χ^2 /NDF: 800728.2/16

Left Out: 1594.445 $\pm$ 0.299 χ^2 /NDF: 249599.6/18

Right Out: 2459.603 $\pm$ 0.671 χ^2 /NDF: 668179.2/17

Left In: 1613.249 $\pm$ 0.314 χ^2 /NDF: 214194.1/16

Left: 1603.406 $\pm$ 0.216 χ^2 /NDF: 465675.6/35

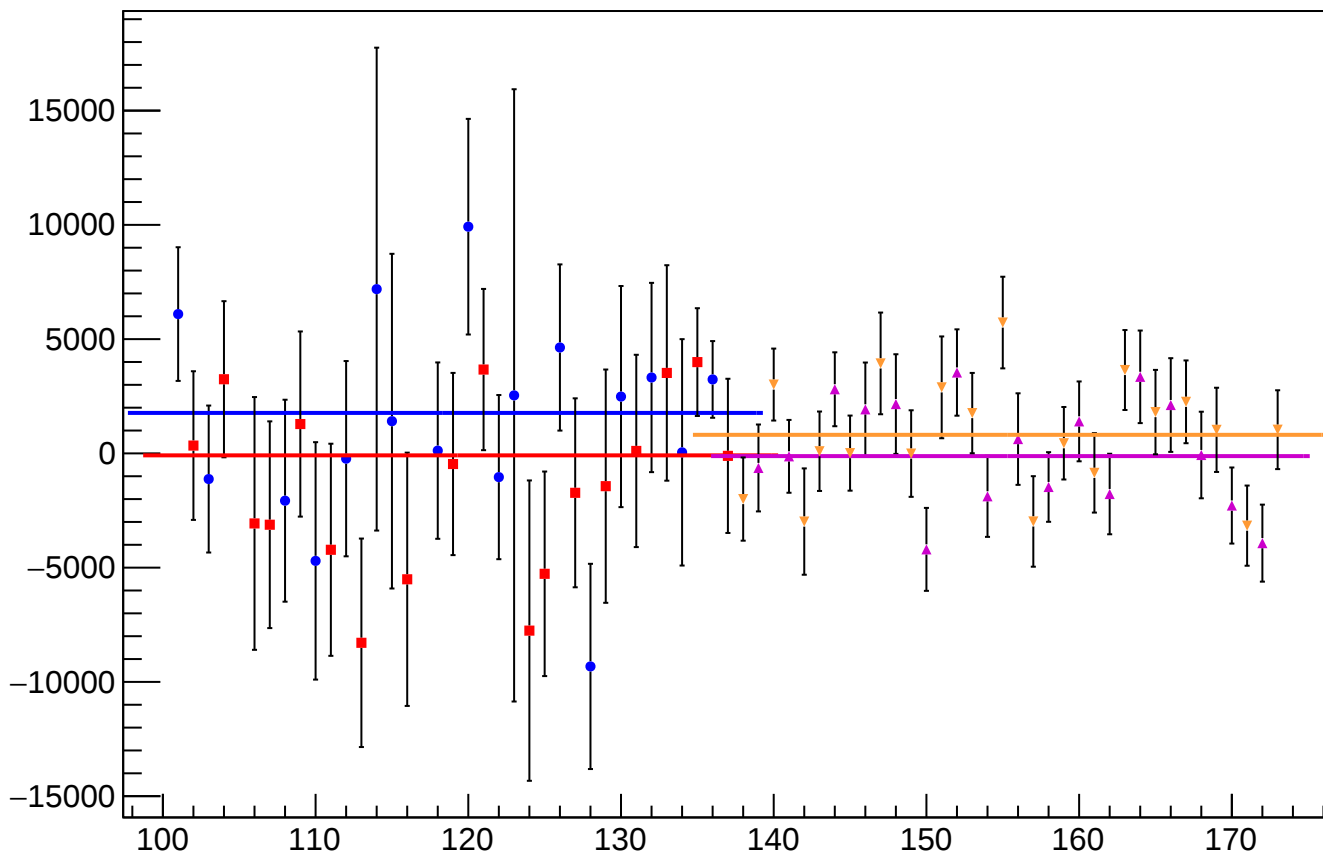
Right: 2382.111 $\pm$ 0.467 χ^2 /NDF: 1494797.0/34

In: 1744.234 $\pm$ 0.283 χ^2 /NDF: 1941703.9/33

Out: 1737.914 $\pm$ 0.273 χ^2 /NDF: 2304079.4/36

All: 1740.969 $\pm$ 0.196 χ^2 /NDF: 4246041.7/70

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1771.279+/-912.328 χ^2/NDF : 17.3/16

Left Out: 812.286+/-418.531 χ^2/NDF :30.1/18

Right Out: -86.080+/-939.852 χ^2/NDF : 14.5/17

Left In: -118.696+/-438.304 χ^2/NDF :28.7/16

Left: 368.268+/-302.695 χ^2/NDF : 61.1/35

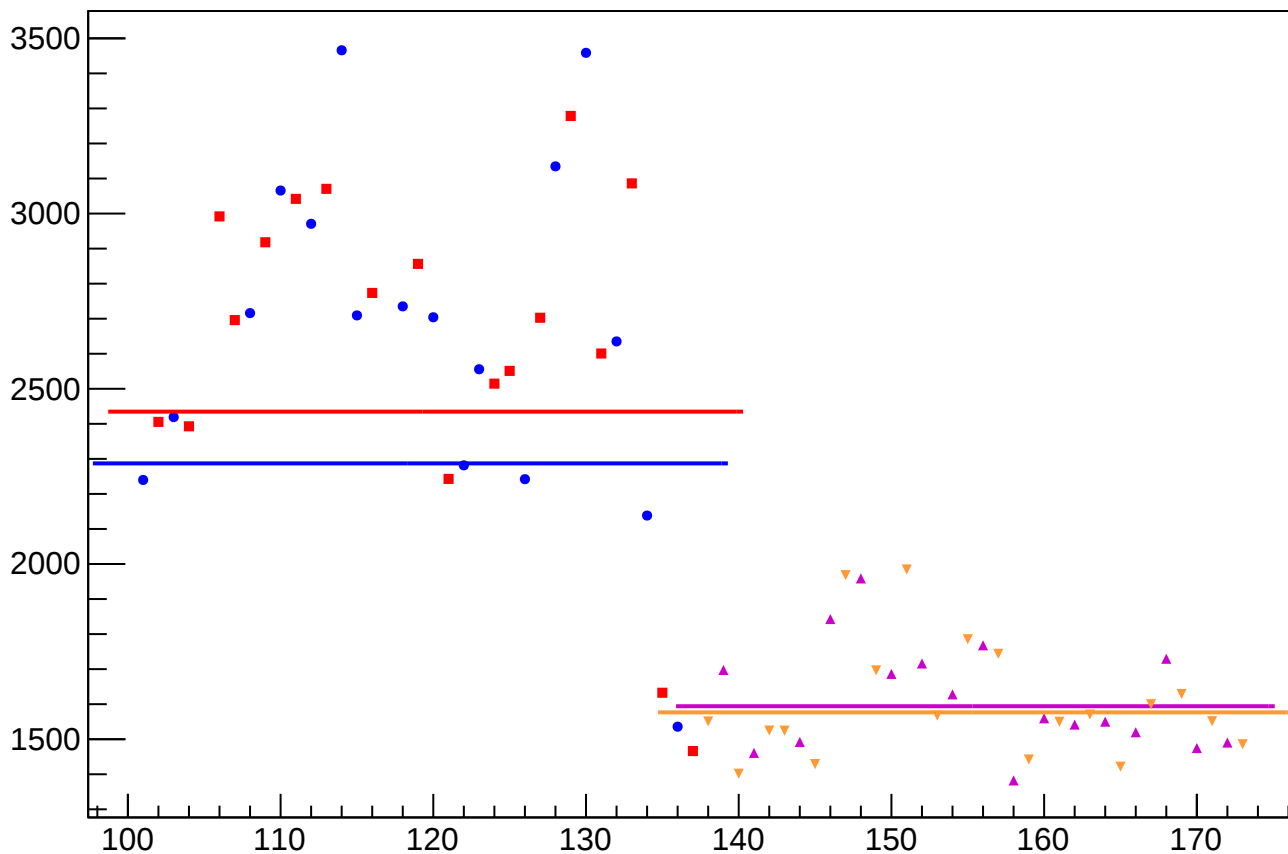
Right: 870.195+/-654.628 χ^2/NDF : 33.8/34

In: 235.721+/-395.076 χ^2/NDF :49.5/33

Out: 663.617+/-382.334 χ^2/NDF :45.3/36

All: 456.680+/-274.745 χ^2/NDF : 95.4/70

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2287.102+/-0.645 χ^2/NDF : 799399.0/16

Left Out: 1576.654+/-0.296 χ^2/NDF : 253768.1/18

Right Out: 2434.786+/-0.665 χ^2/NDF : 666938.3/17

Left In: 1594.135+/-0.310 χ^2/NDF : 215418.3/16

Left: 1584.991+/-0.214 χ^2/NDF : 470850.6/35

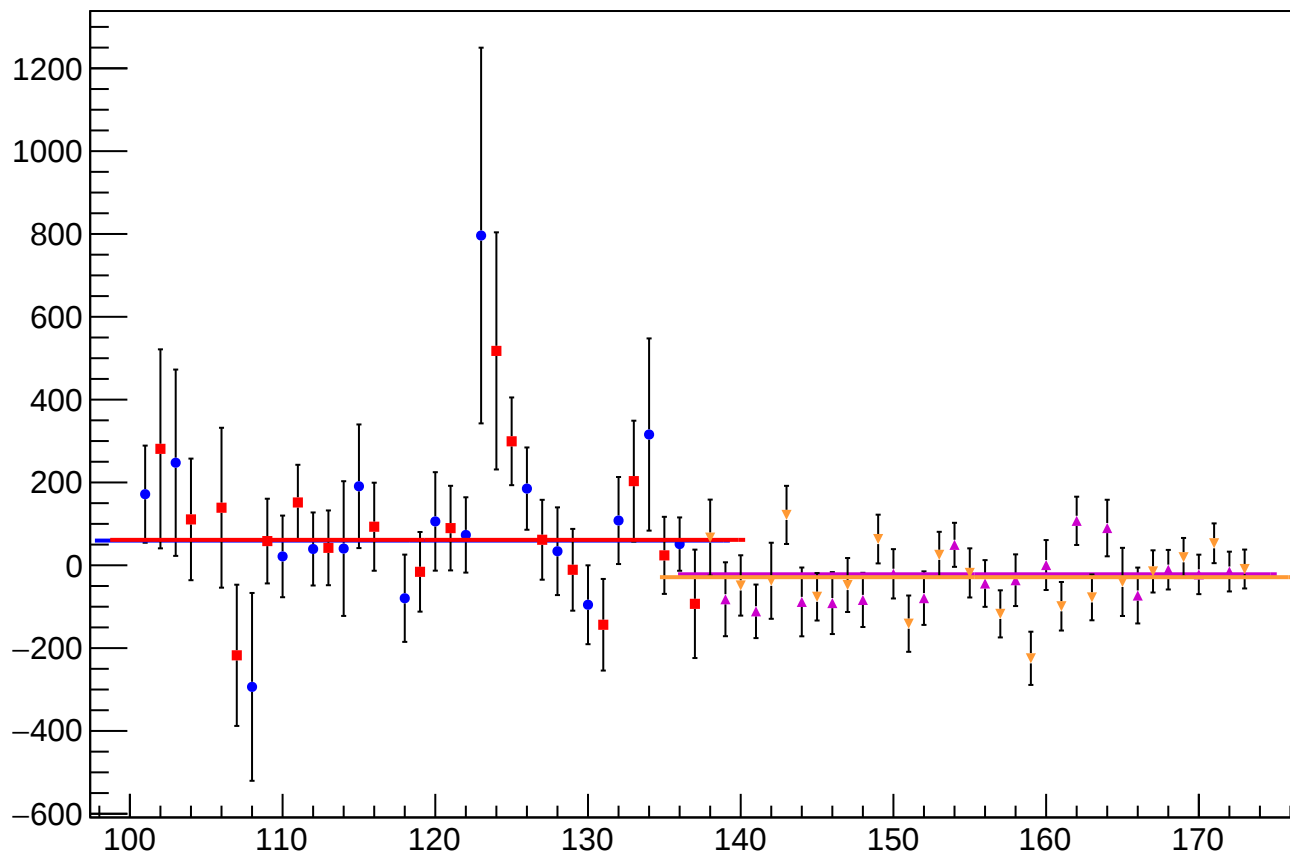
Right: 2358.750+/-0.463 χ^2/NDF : 1491762.6/34

In: 1724.084+/-0.279 χ^2/NDF : 1952299.2/33

Out: 1718.665+/-0.270 χ^2/NDF : 2312105.2/36

All: 1721.285+/-0.194 χ^2/NDF : 4264598.6/70

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 59.656 $\pm$ 27.080 χ^2 /NDF: 15.3/16

Left Out: -28.724 $\pm$ 13.694 χ^2 /NDF:30.8/18

Right Out: 61.399 $\pm$ 27.011 χ^2 /NDF: 19.7/17

Left In: -21.743 $\pm$ 14.613 χ^2 /NDF:15.9/16

Left: -25.460 $\pm$ 9.992 χ^2 /NDF: 46.9/35

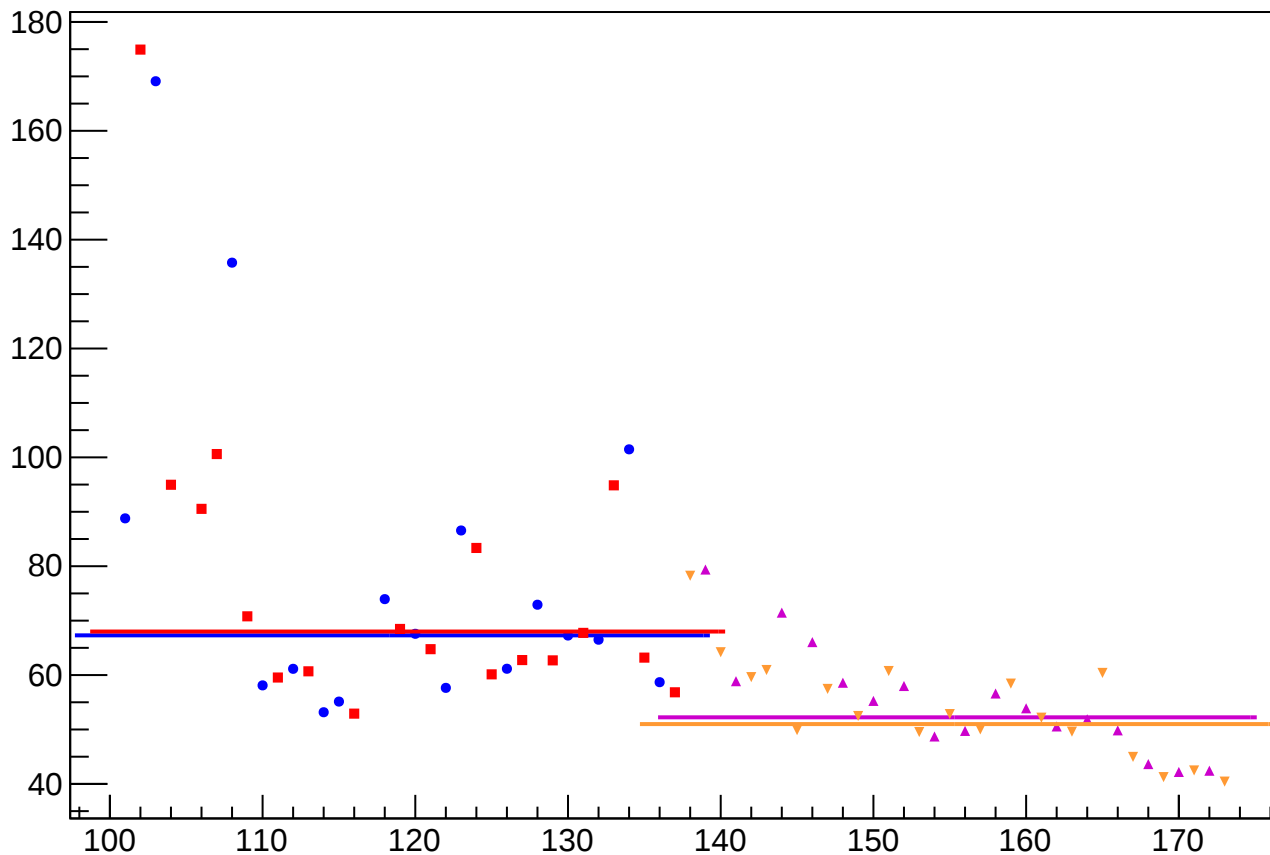
Right: 60.530 $\pm$ 19.124 χ^2 /NDF: 35.0/34

In: -3.386 $\pm$ 12.860 χ^2 /NDF:38.3/33

Out: -10.295 $\pm$ 12.214 χ^2 /NDF:59.4/36

All: -7.018 $\pm$ 8.856 χ^2 /NDF: 97.8/70

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 67.297 $\pm$ 0.019 χ^2 /NDF: 841352.2/16

Left Out: 50.994 $\pm$ 0.010 χ^2 /NDF: 701135.4/18

Right Out: 67.998 $\pm$ 0.019 χ^2 /NDF: 754329.7/17

Left In: 52.234 $\pm$ 0.010 χ^2 /NDF: 686749.3/16

Left: 51.574 $\pm$ 0.007 χ^2 /NDF: 1395552.1/35

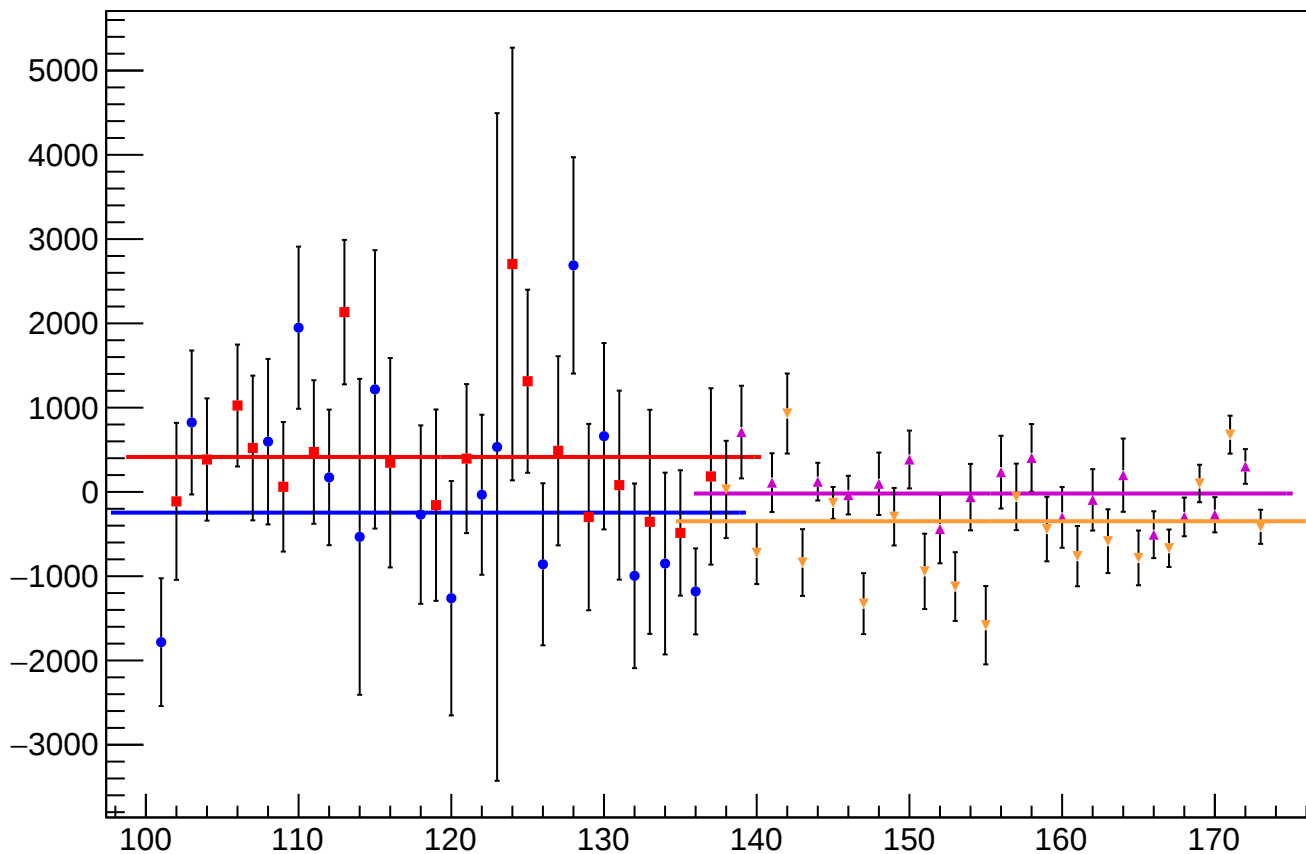
Right: 67.648 $\pm$ 0.014 χ^2 /NDF: 1596354.2/34

In: 55.631 $\pm$ 0.009 χ^2 /NDF: 2007370.6/33

Out: 54.471 $\pm$ 0.009 χ^2 /NDF: 2086025.8/36

All: 55.021 $\pm$ 0.006 χ^2 /NDF: 4101950.1/70

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -245.631 ± 235.404 $\chi^2/\text{NDF}: 23.8/16$

Left Out: -347.561 ± 70.215 $\chi^2/\text{NDF}: 62.5/18$

Right Out: 414.725 ± 222.788 $\chi^2/\text{NDF}: 9.4/17$

Left In: -18.971 ± 72.702 $\chi^2/\text{NDF}: 15.7/16$

Left: -188.984 ± 50.506 $\chi^2/\text{NDF}: 88.7/35$

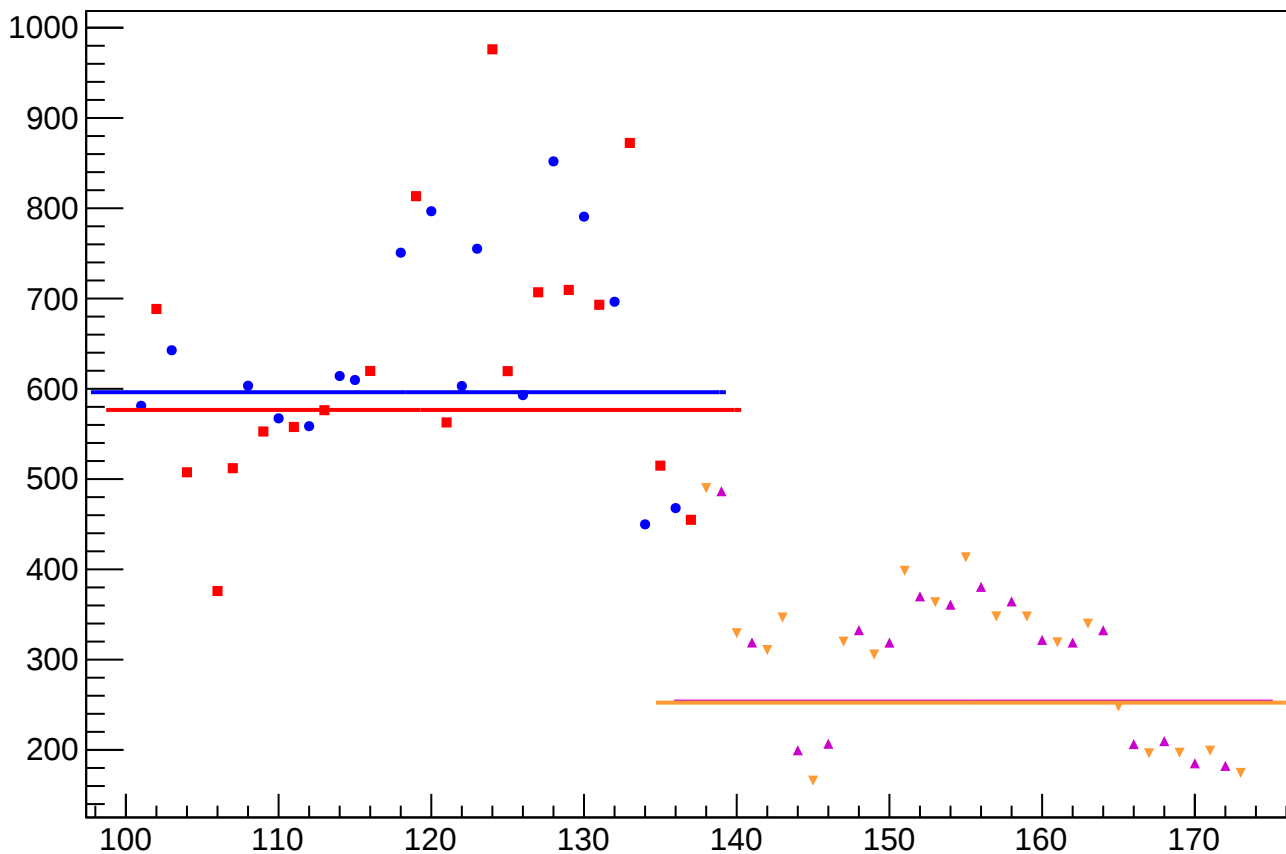
Right: 102.716 ± 161.811 $\chi^2/\text{NDF}: 37.3/34$

In: -38.708 ± 69.465 $\chi^2/\text{NDF}: 40.3/33$

Out: -278.686 ± 66.968 $\chi^2/\text{NDF}: 82.5/36$

All: -163.088 ± 48.212 $\chi^2/\text{NDF}: 129.0/70$

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 596.246 $\pm$ 0.166 χ^2 /NDF: 422153.3/16

Left Out: 252.366 $\pm$ 0.050 χ^2 /NDF: 2781561.0/18

Right Out: 576.614 $\pm$ 0.158 χ^2 /NDF: 573658.2/17

Left In: 253.529 $\pm$ 0.051 χ^2 /NDF: 2216230.6/16

Left: 252.927 $\pm$ 0.036 χ^2 /NDF: 4998056.5/35

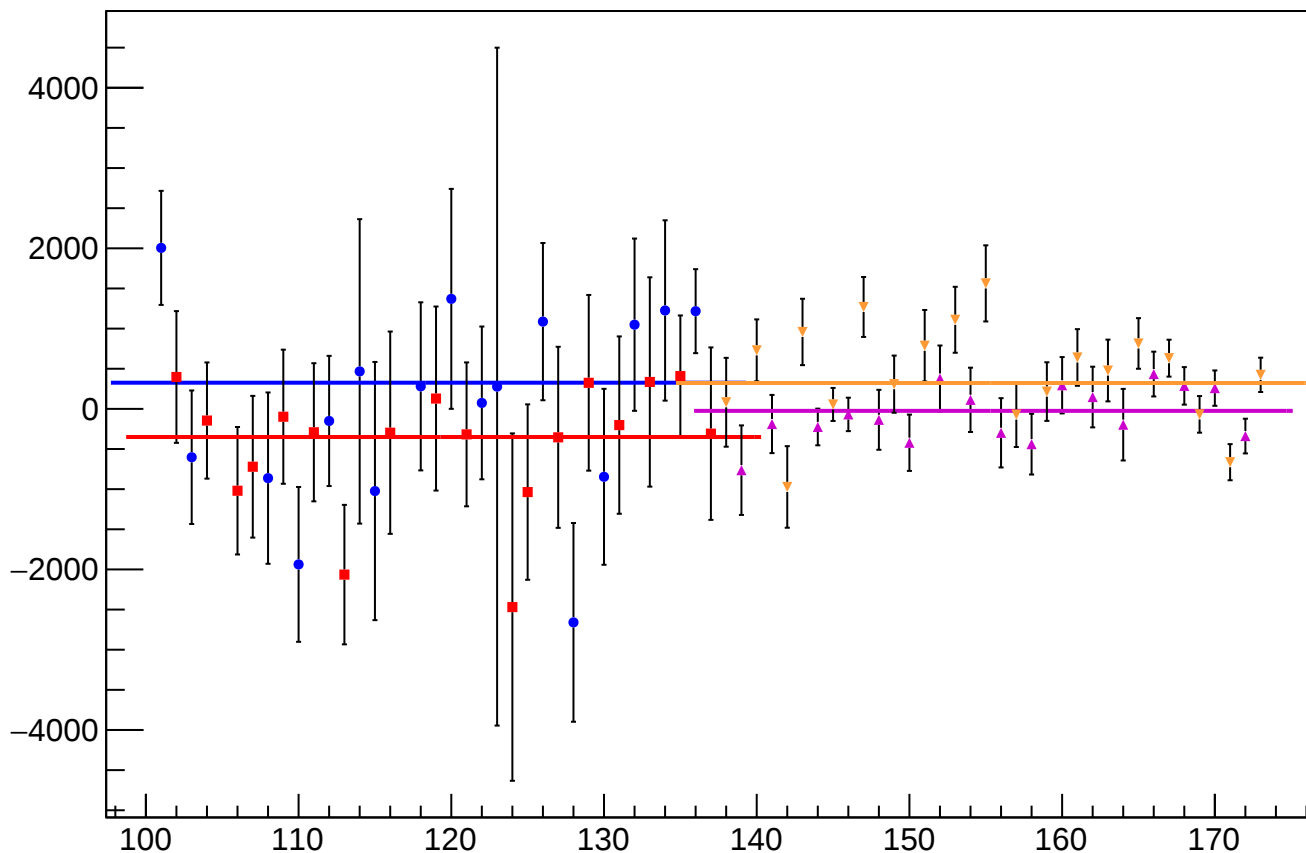
Right: 585.890 $\pm$ 0.114 χ^2 /NDF: 1003148.8/34

In: 283.372 $\pm$ 0.049 χ^2 /NDF: 6508348.3/33

Out: 281.663 $\pm$ 0.047 χ^2 /NDF: 7208889.4/36

All: 282.486 $\pm$ 0.034 χ^2 /NDF: 13717865.1/70

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 326.077 $\pm$ 235.599 χ^2/NDF : 26.9/16

Left Out: 322.388 $\pm$ 72.158 χ^2/NDF : 58.5/18

Right Out: -350.392 $\pm$ 225.254 χ^2/NDF : 9.0/17

Left In: -24.619 $\pm$ 73.283 χ^2/NDF : 16.3/16

Left: 151.569 $\pm$ 51.417 χ^2/NDF : 86.2/35

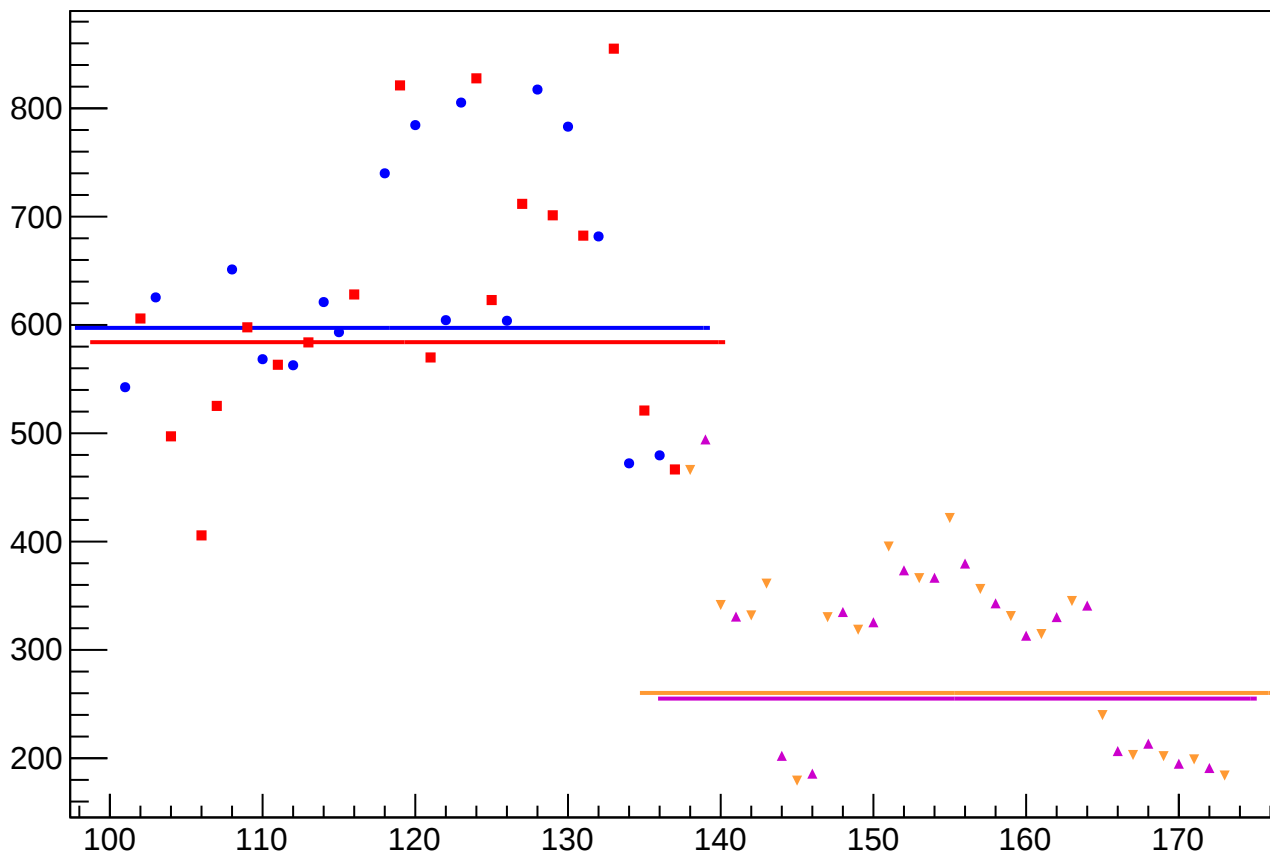
Right: -27.335 $\pm$ 162.813 χ^2/NDF : 40.2/34

In: 6.318 $\pm$ 69.976 χ^2/NDF : 45.1/33

Out: 259.774 $\pm$ 68.718 χ^2/NDF : 75.6/36

All: 135.345 $\pm$ 49.030 χ^2/NDF : 127.4/70

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 597.298 $\pm$ 0.167 χ^2 /NDF: 363658.5/16

Left Out: 260.273 $\pm$ 0.051 χ^2 /NDF: 2507198.7/18

Right Out: 584.112 $\pm$ 0.159 χ^2 /NDF: 446882.7/17

Left In: 255.047 $\pm$ 0.052 χ^2 /NDF: 2209098.5/16

Left: 257.701 $\pm$ 0.036 χ^2 /NDF: 4721462.0/35

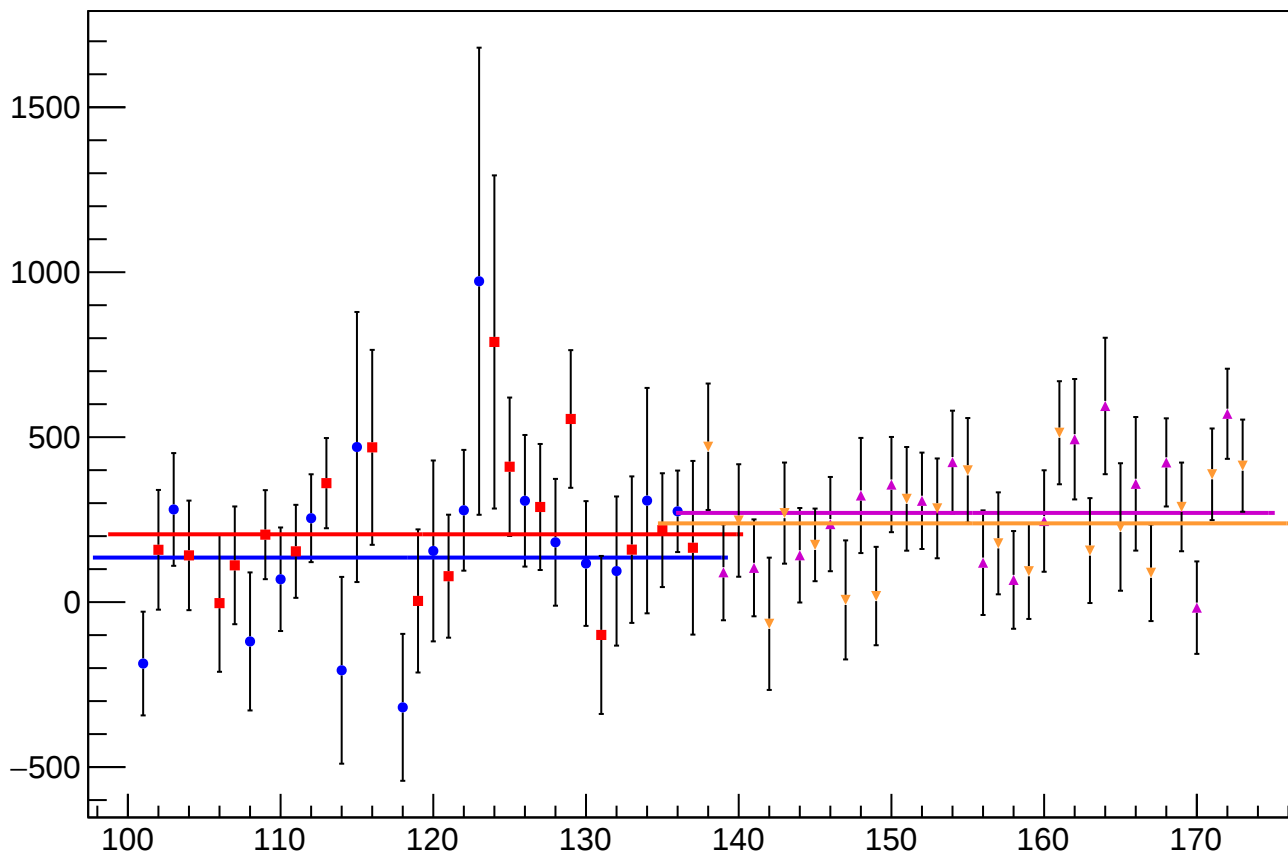
Right: 590.409 $\pm$ 0.115 χ^2 /NDF: 813814.1/34

In: 285.240 $\pm$ 0.049 χ^2 /NDF: 6420998.7/33

Out: 290.412 $\pm$ 0.049 χ^2 /NDF: 6703087.4/36

All: 287.873 $\pm$ 0.035 χ^2 /NDF: 13129649.4/70

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 135.029 $\pm$ 47.025 χ^2 /NDF: 18.1/16

Left Out: 238.745 $\pm$ 35.062 χ^2 /NDF:17.8/18

Right Out: 205.590 $\pm$ 44.536 χ^2 /NDF: 12.0/17

Left In: 270.389 $\pm$ 37.107 χ^2 /NDF:22.5/16

Left: 253.671 $\pm$ 25.485 χ^2 /NDF: 40.6/35

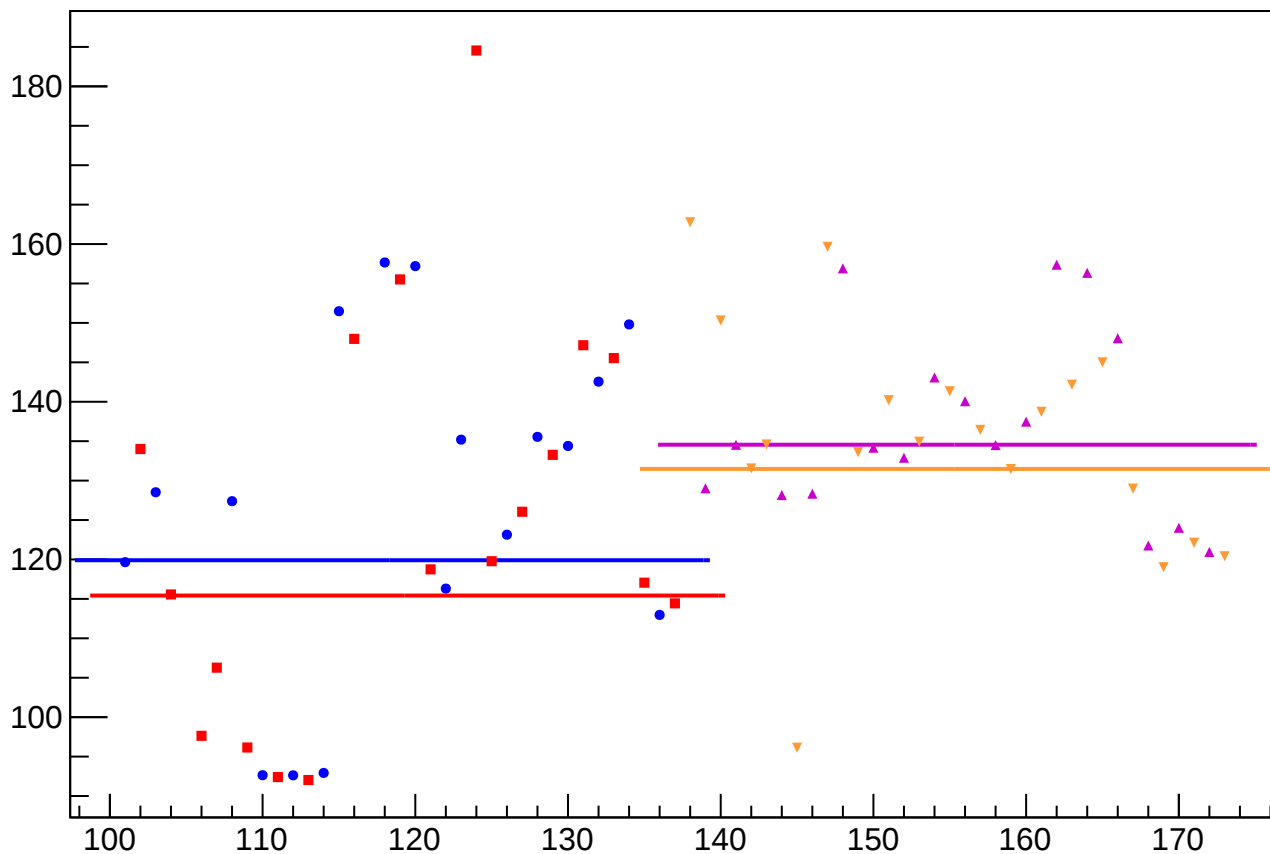
Right: 172.226 $\pm$ 32.336 χ^2 /NDF: 31.3/34

In: 218.446 $\pm$ 29.130 χ^2 /NDF:45.6/33

Out: 226.059 $\pm$ 27.549 χ^2 /NDF:30.1/36

All: 222.464 $\pm$ 20.016 χ^2 /NDF: 75.8/70

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.903 $\pm$ 0.033 χ^2 /NDF: 345510.5/16

Left Out: 131.481 $\pm$ 0.025 χ^2 /NDF: 413567.8/18

Right Out: 115.422 $\pm$ 0.031 χ^2 /NDF: 418100.5/17

Left In: 134.552 $\pm$ 0.026 χ^2 /NDF: 164737.0/16

Left: 132.930 $\pm$ 0.018 χ^2 /NDF: 585538.3/35

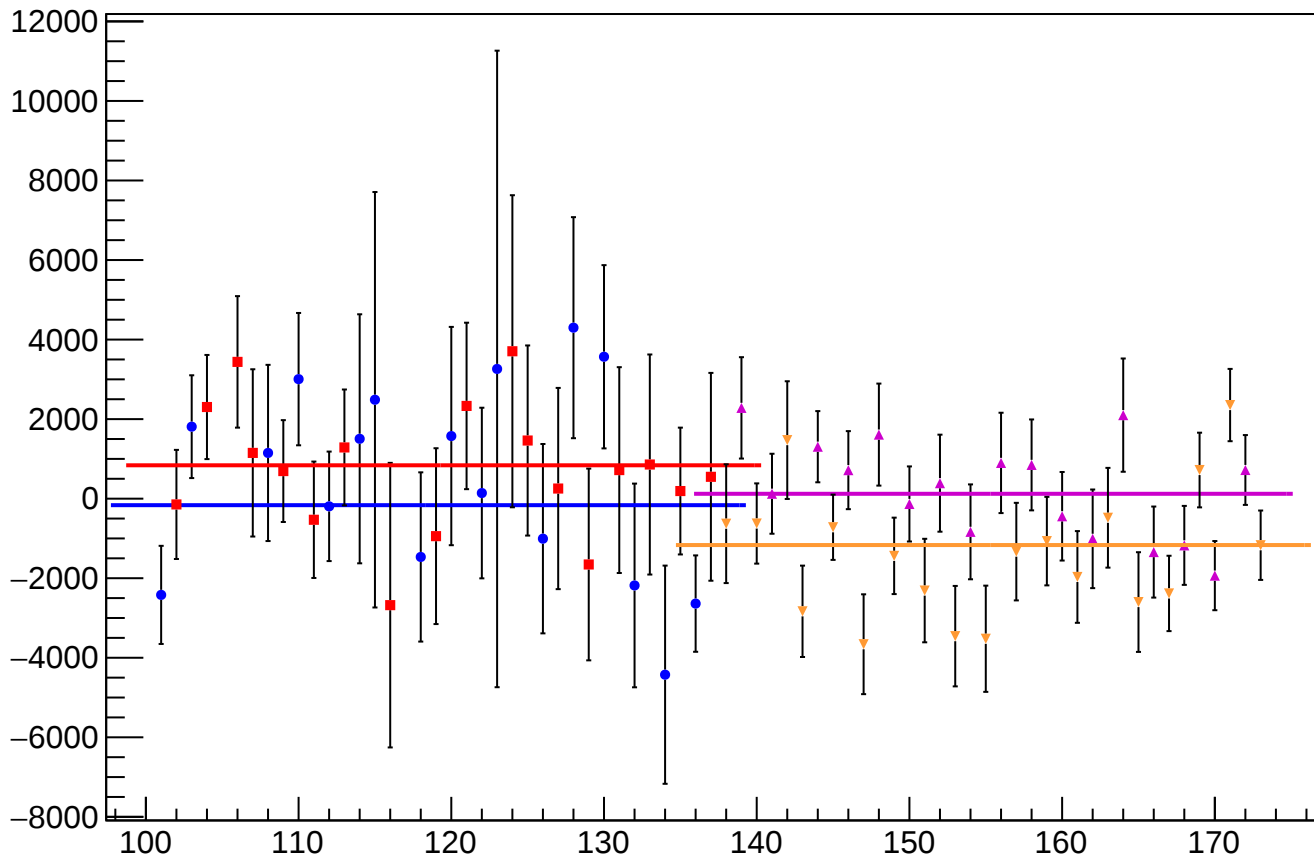
Right: 117.541 $\pm$ 0.023 χ^2 /NDF: 773185.8/34

In: 128.931 $\pm$ 0.021 χ^2 /NDF: 629844.1/33

Out: 125.337 $\pm$ 0.019 χ^2 /NDF: 992218.0/36

All: 127.033 $\pm$ 0.014 χ^2 /NDF: 1638133.4/70

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -163.538 $\pm$ 469.592 χ^2 /NDF: 23.7/16

Left Out: -1166.241 $\pm$ 250.802 χ^2 /NDF:40.0/18

Right Out: 839.187 $\pm$ 440.476 χ^2 /NDF: 9.3/17

Left In: 122.592 $\pm$ 260.472 χ^2 /NDF:20.3/16

Left: -546.193 $\pm$ 180.666 χ^2 /NDF: 73.0/35

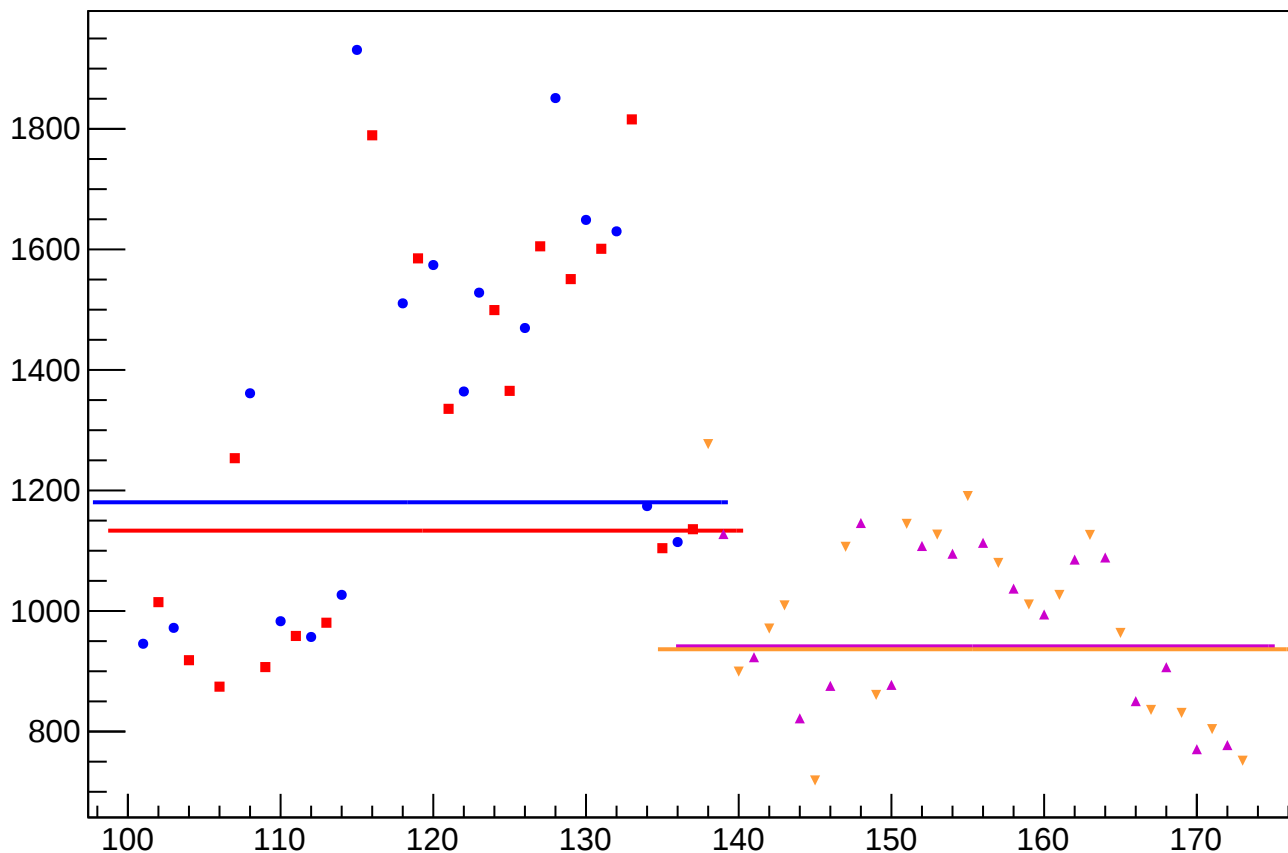
Right: 369.872 $\pm$ 321.264 χ^2 /NDF: 35.4/34

In: 55.272 $\pm$ 227.778 χ^2 /NDF:44.3/33

Out: -675.255 $\pm$ 217.948 χ^2 /NDF:64.9/36

All: -326.095 $\pm$ 157.473 χ^2 /NDF: 114.6/70

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1180.403 $\pm$ 0.332 χ^2 /NDF: 668845.5/16

Left Out: 936.511 $\pm$ 0.177 χ^2 /NDF: 750110.9/18

Right Out: 1133.347 $\pm$ 0.311 χ^2 /NDF: 760395.8/17

Left In: 941.352 $\pm$ 0.184 χ^2 /NDF: 484384.0/16

Left: 938.840 $\pm$ 0.128 χ^2 /NDF: 1234853.4/35

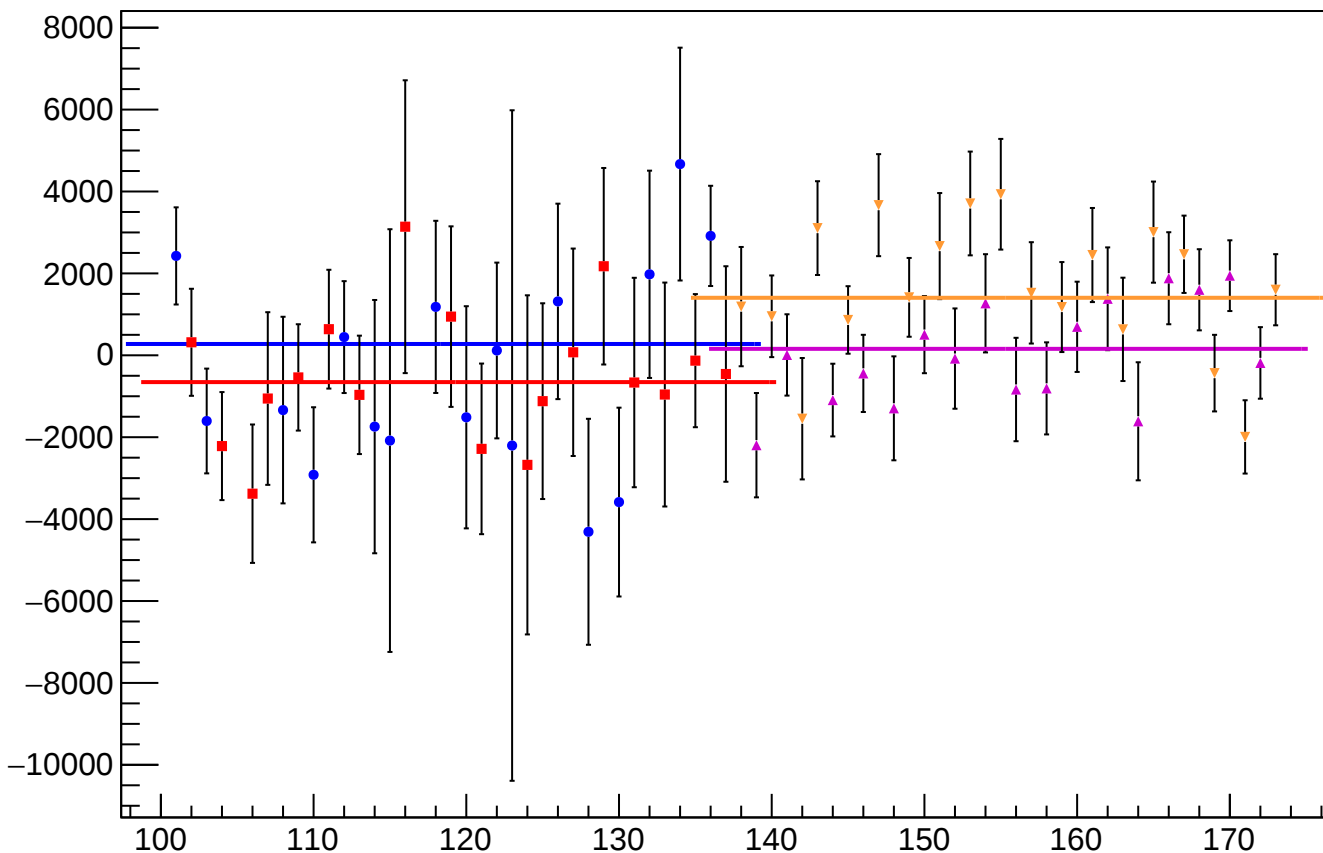
Right: 1155.371 $\pm$ 0.227 χ^2 /NDF: 1439924.5/34

In: 997.596 $\pm$ 0.161 χ^2 /NDF: 1549574.4/33

Out: 984.702 $\pm$ 0.154 χ^2 /NDF: 1812112.4/36

All: 990.865 $\pm$ 0.111 χ^2 /NDF: 3365032.3/70

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 276.422 $\pm$ 466.424 χ^2 /NDF: 24.3/16

Left Out: 1404.431 $\pm$ 249.841 χ^2 /NDF:40.4/18

Right Out: -654.406 $\pm$ 439.824 χ^2 /NDF: 9.6/17

Left In: 157.672 $\pm$ 258.602 χ^2 /NDF:21.1/16

Left: 802.528 $\pm$ 179.682 χ^2 /NDF: 73.6/35

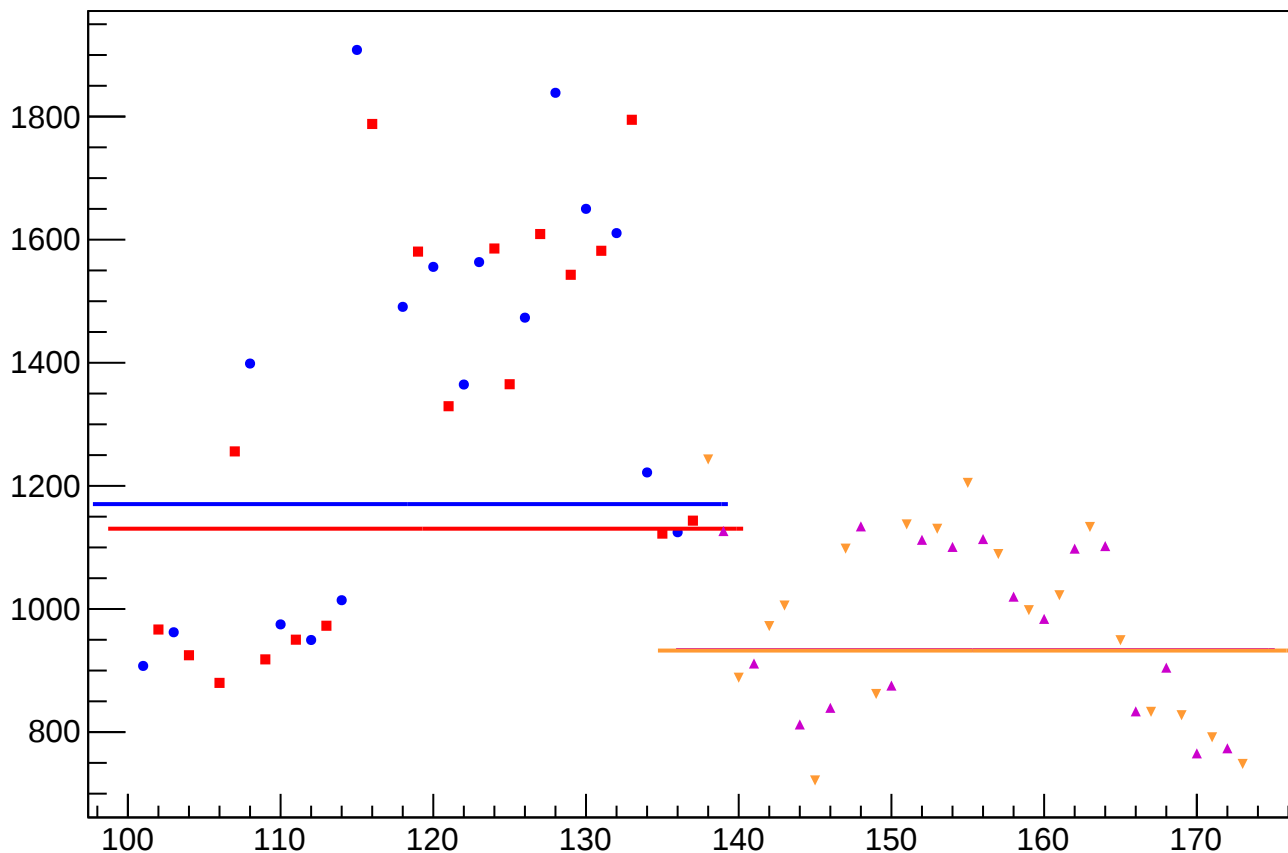
Right: -216.291 $\pm$ 319.993 χ^2 /NDF: 36.0/34

In: 185.592 $\pm$ 226.166 χ^2 /NDF:45.5/33

Out: 902.161 $\pm$ 217.238 χ^2 /NDF:66.6/36

All: 558.299 $\pm$ 156.672 χ^2 /NDF: 117.3/70

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1170.404 $\pm$ 0.330 χ^2 /NDF: 705486.8/16

Left Out: 932.484 $\pm$ 0.177 χ^2 /NDF: 751093.1/18

Right Out: 1130.456 $\pm$ 0.311 χ^2 /NDF: 763027.2/17

Left In: 933.371 $\pm$ 0.183 χ^2 /NDF: 521843.8/16

Left: 932.912 $\pm$ 0.127 χ^2 /NDF: 1272949.1/35

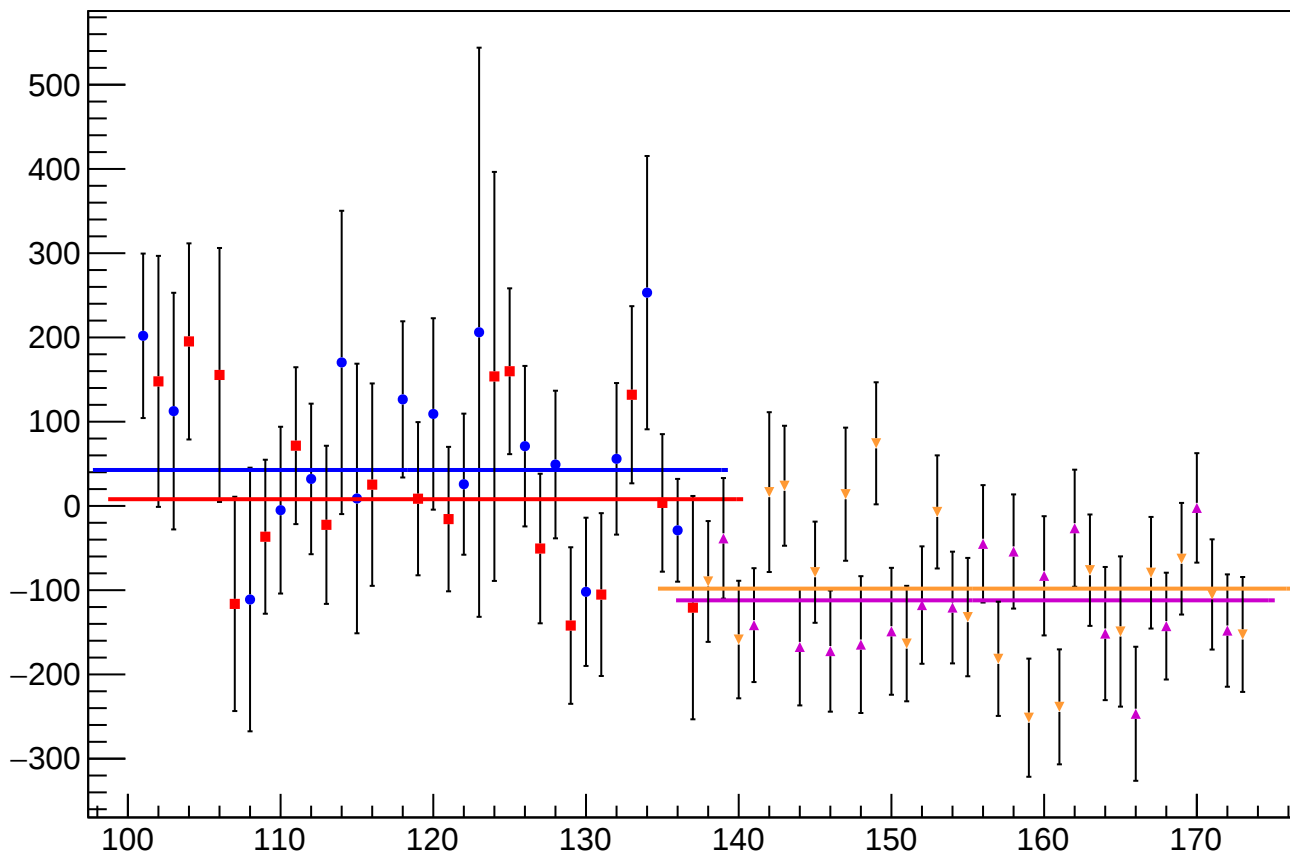
Right: 1149.259 $\pm$ 0.226 χ^2 /NDF: 1476279.7/34

In: 989.103 $\pm$ 0.160 χ^2 /NDF: 1622405.1/33

Out: 980.781 $\pm$ 0.154 χ^2 /NDF: 1820477.4/36

All: 984.774 $\pm$ 0.111 χ^2 /NDF: 3444290.8/70

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 42.674 ± 24.701 $\chi^2/\text{NDF}: 12.0/16$

Left Out: -98.151 ± 16.078 $\chi^2/\text{NDF}: 27.9/18$

Right Out: 7.995 ± 24.492 $\chi^2/\text{NDF}: 15.8/17$

Left In: -112.059 ± 17.062 $\chi^2/\text{NDF}: 13.1/16$

Left: -104.693 ± 11.701 $\chi^2/\text{NDF}: 41.3/35$

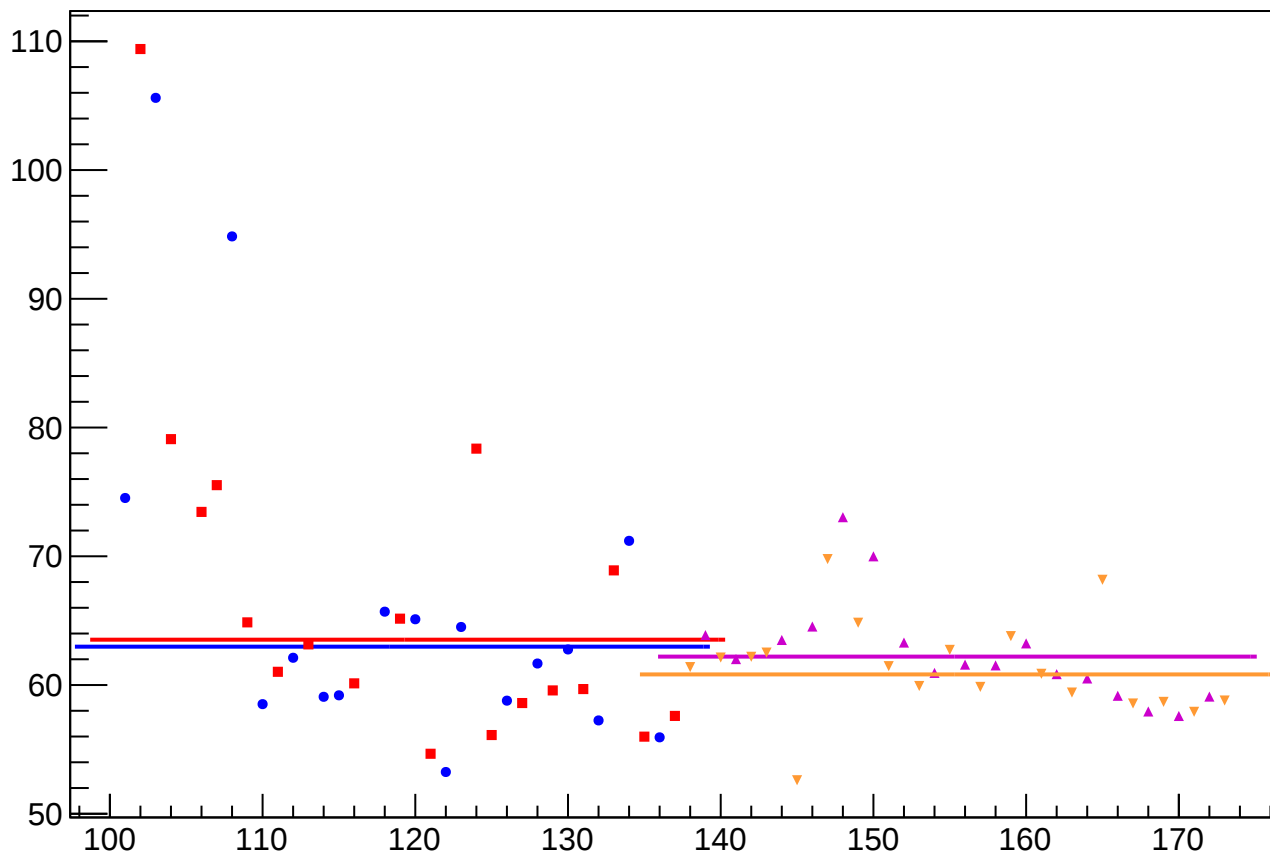
Right: 25.187 ± 17.392 $\chi^2/\text{NDF}: 28.8/34$

In: -62.079 ± 14.038 $\chi^2/\text{NDF}: 51.6/33$

Out: -66.184 ± 13.441 $\chi^2/\text{NDF}: 56.8/36$

All: -64.221 ± 9.709 $\chi^2/\text{NDF}: 108.5/70$

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 62.980 ± 0.017 $\chi^2/\text{NDF}: 375263.3/16$

Left Out: 60.825 ± 0.011 $\chi^2/\text{NDF}: 102335.2/18$

Right Out: 63.522 ± 0.017 $\chi^2/\text{NDF}: 335430.9/17$

Left In: 62.208 ± 0.012 $\chi^2/\text{NDF}: 90923.7/16$

Left: 61.475 ± 0.008 $\chi^2/\text{NDF}: 200217.3/35$

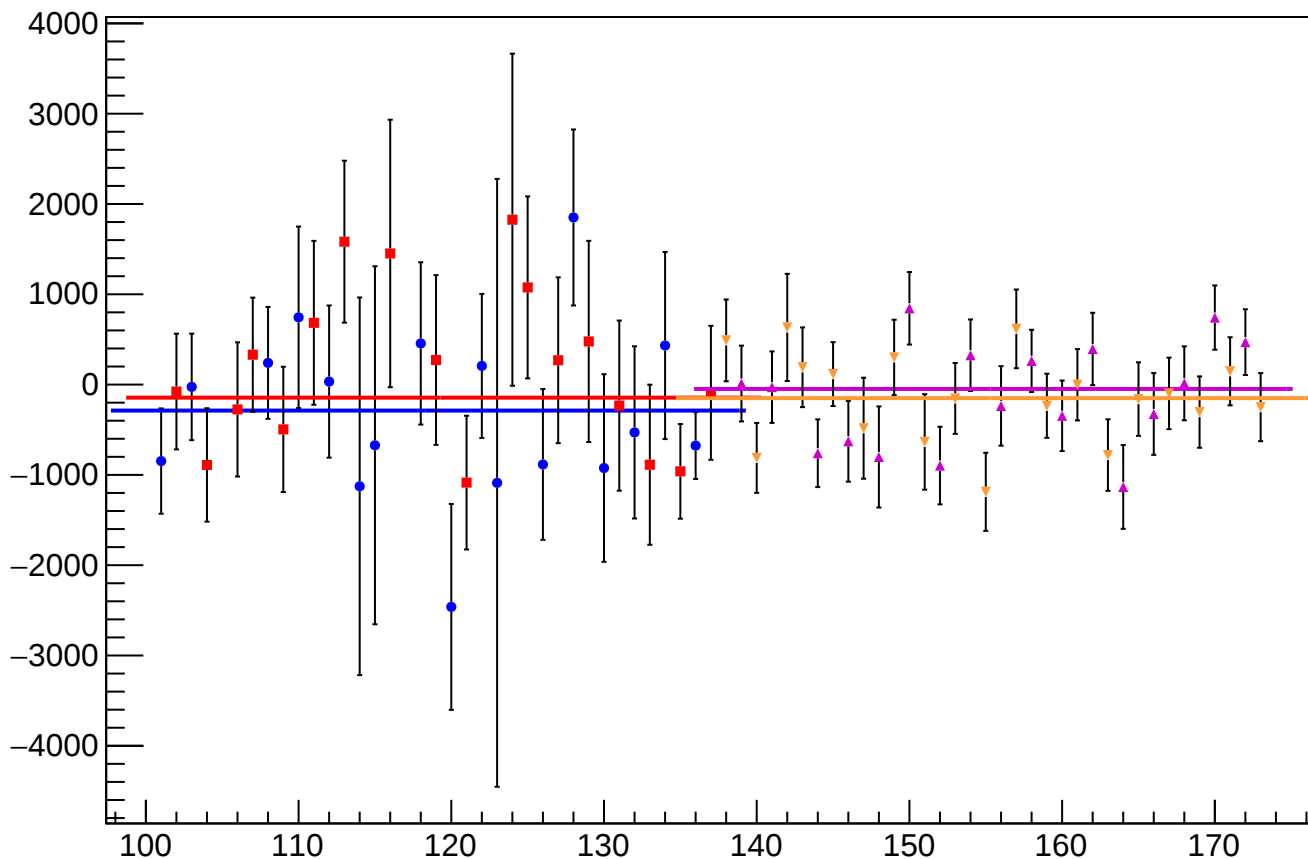
Right: 63.253 ± 0.012 $\chi^2/\text{NDF}: 711180.0/34$

In: 62.457 ± 0.010 $\chi^2/\text{NDF}: 467511.6/33$

Out: 61.637 ± 0.010 $\chi^2/\text{NDF}: 454719.9/36$

All: 62.029 ± 0.007 $\chi^2/\text{NDF}: 925791.6/70$

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -287.682 $\pm$ 189.888 χ^2 /NDF: 15.4/16

Left Out: -150.039 $\pm$ 95.017 χ^2 /NDF:22.6/18

Right Out: -144.624 $\pm$ 187.777 χ^2 /NDF: 16.1/17

Left In: -48.357 $\pm$ 98.713 χ^2 /NDF:32.5/16

Left: -101.137 $\pm$ 68.456 χ^2 /NDF: 55.7/35

Right: -215.353 $\pm$ 133.518 χ^2 /NDF: 31.7/34

In: -99.273 $\pm$ 87.585 χ^2 /NDF:49.1/33

Out: -148.935 $\pm$ 84.781 χ^2 /NDF:38.7/36

All: -124.911 $\pm$ 60.916 χ^2 /NDF: 87.9/70

dit_sam6_coil4_Ndata_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_sam7_coil4_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_sam7_coil4_err_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

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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_sam7_coil4_Ndata_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

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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_sam8_coil4_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

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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_sam8_coil4_err_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

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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_sam8_coil4_Ndata_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

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Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_4aX_coil6_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

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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_4aX_coil6_err_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

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Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



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

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All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_4eX_coil6_mean vs Slug, Sign Corrected



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

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

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

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Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



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

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Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_4eX_coil6_Ndata_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

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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_11X12X_coil6_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

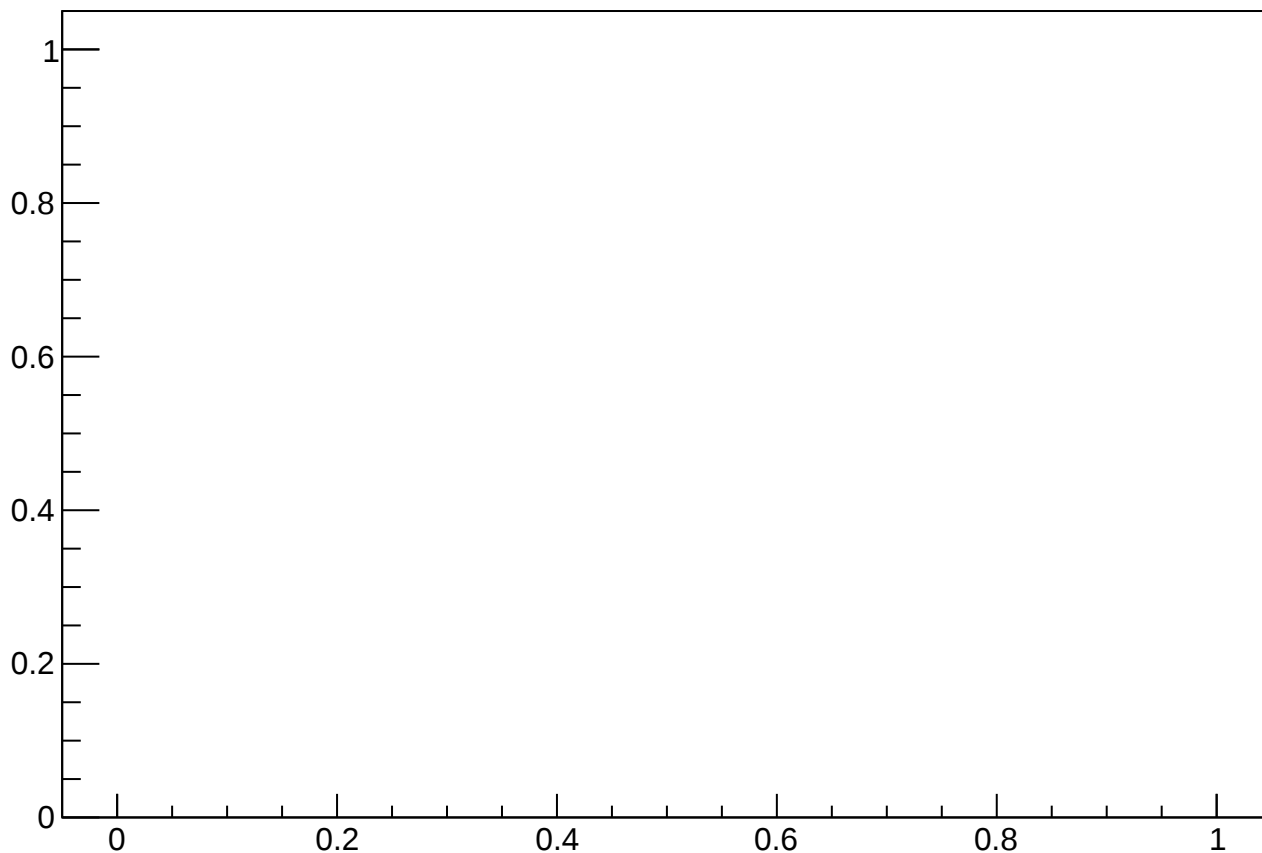
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_11X12X_coil6_err_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

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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_11X12X_coil6_Ndata_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

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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_4aY_coil6_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_4aY_coil6_err_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

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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_4aY_coil6_Ndata_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_4eY_coil6_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_4eY_coil6_err_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_4eY_coil6_Ndata_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_usl_coil6_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_usl_coil6_err_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

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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_usl_coil6_Ndata_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_usr_coil6_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_usr_coil6_err_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_usr_coil6_Ndata_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_atl1_coil6_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_atl1_coil6_err_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_atl1_coil6_Ndata_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_atl2_coil6_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_atl2_coil6_err_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_atl2_coil6_Ndata_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_atr1_coil6_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_atr1_coil6_err_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_atr1_coil6_Ndata_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_atr2_coil6_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

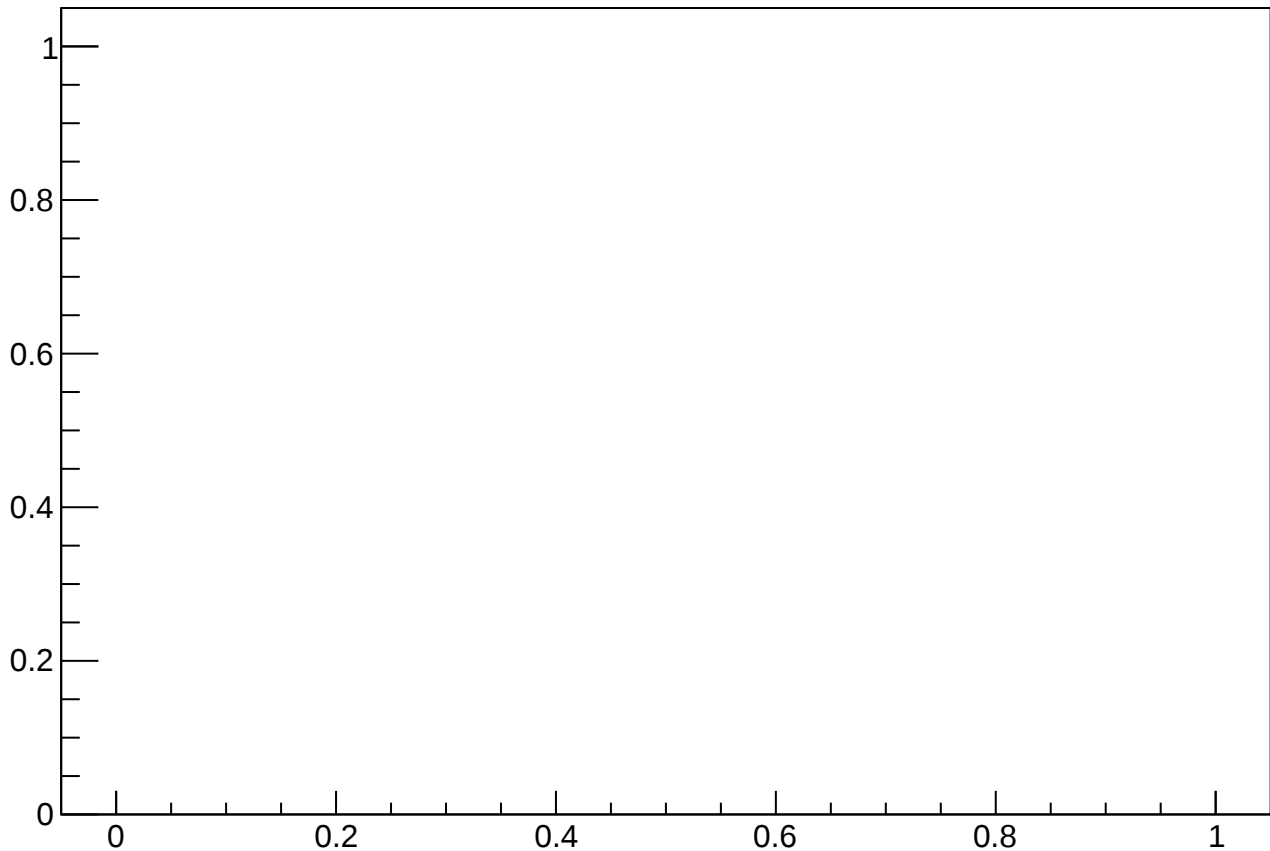
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_atr2_coil6_err_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_atr2_coil6_Ndata_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_sam1_coil6_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_sam1_coil6_err_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_sam1_coil6_Ndata_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_sam2_coil6_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_sam2_coil6_err_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_sam2_coil6_Ndata_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_sam3_coil6_mean vs Slug, Sign Corrected



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

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

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

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

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

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

In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

dit_sam3_coil6_err_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_sam3_coil6_Ndata_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_sam4_coil6_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_sam4_coil6_err_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_sam4_coil6_Ndata_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_sam5_coil6_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_sam5_coil6_err_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_sam5_coil6_Ndata_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_sam6_coil6_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_sam6_coil6_err_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_sam6_coil6_Ndata_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

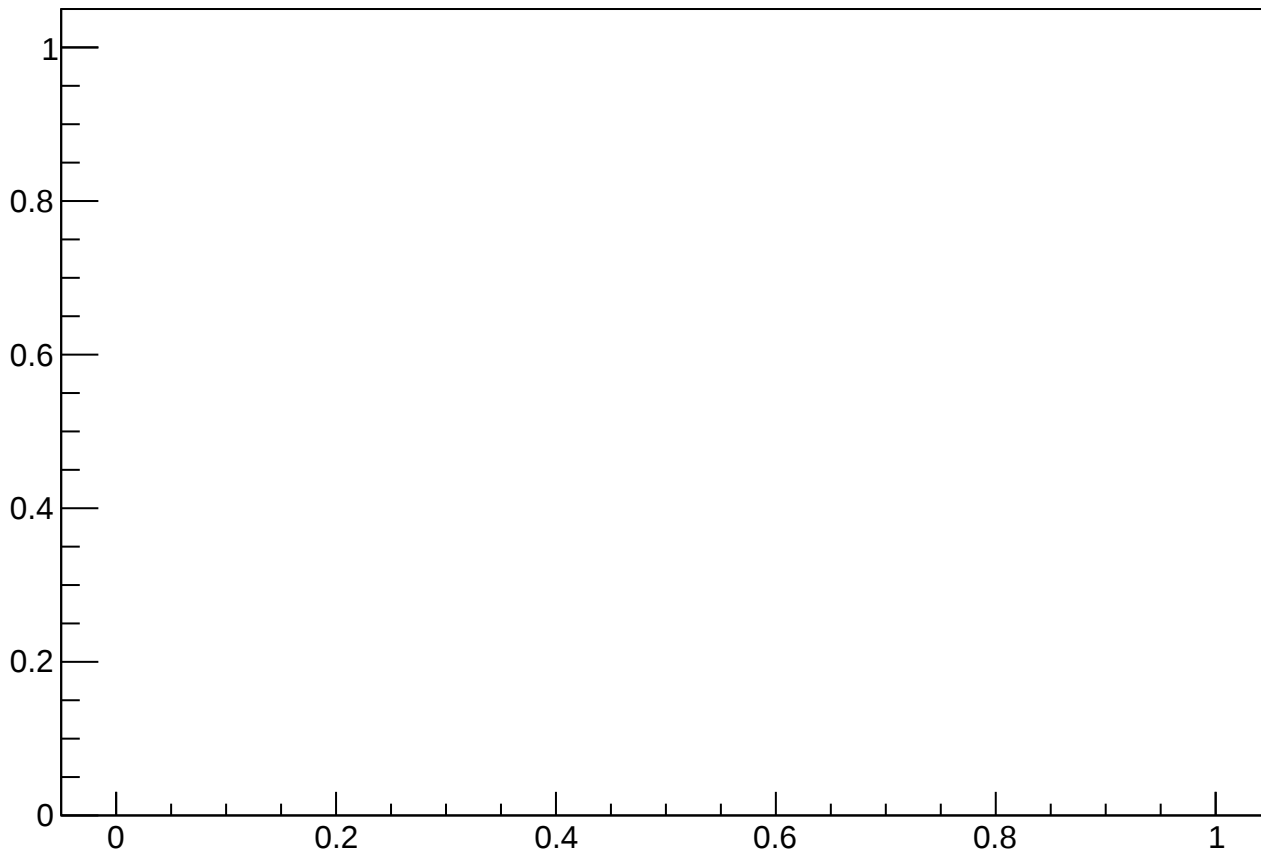
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_sam7_coil6_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_sam7_coil6_err_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_sam7_coil6_Ndata_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_sam8_coil6_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_sam8_coil6_err_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_sam8_coil6_Ndata_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_run_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

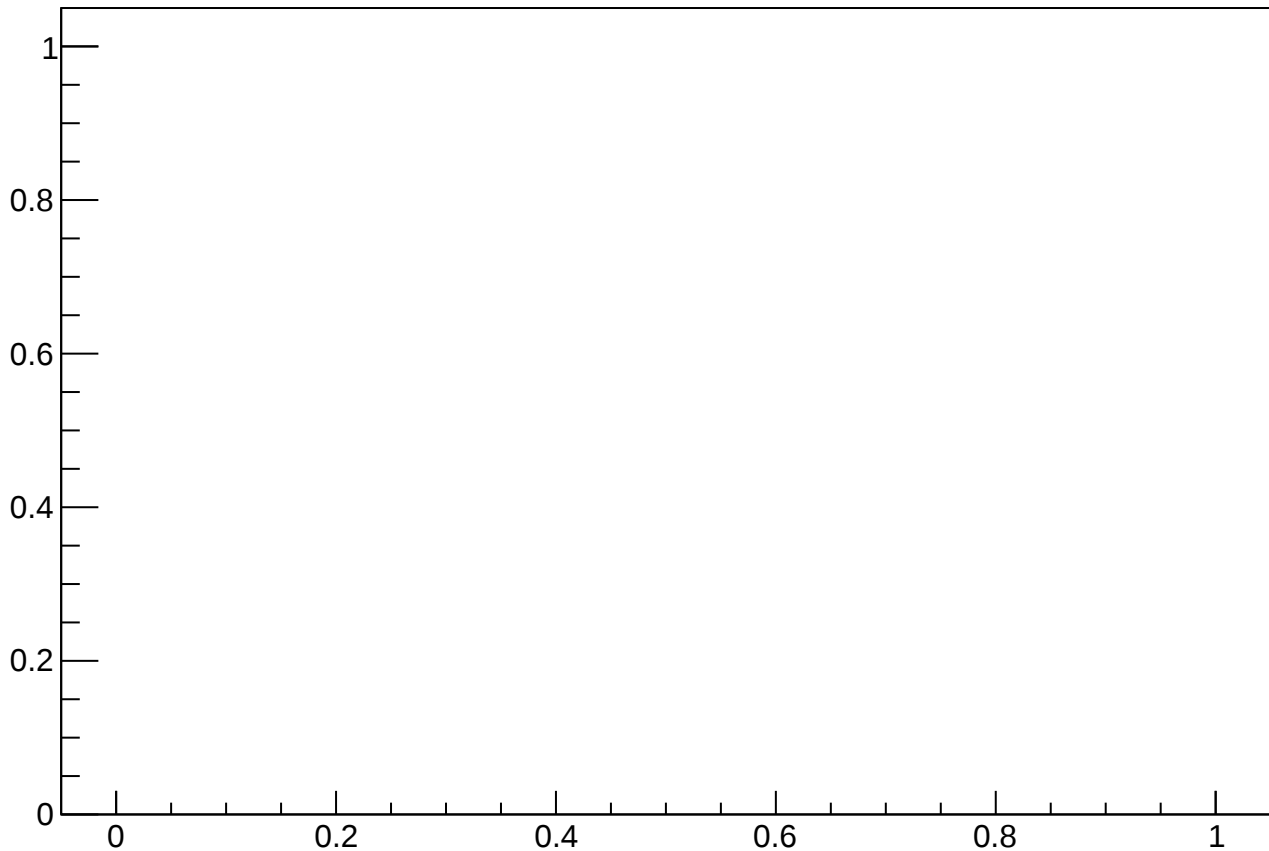
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_run_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

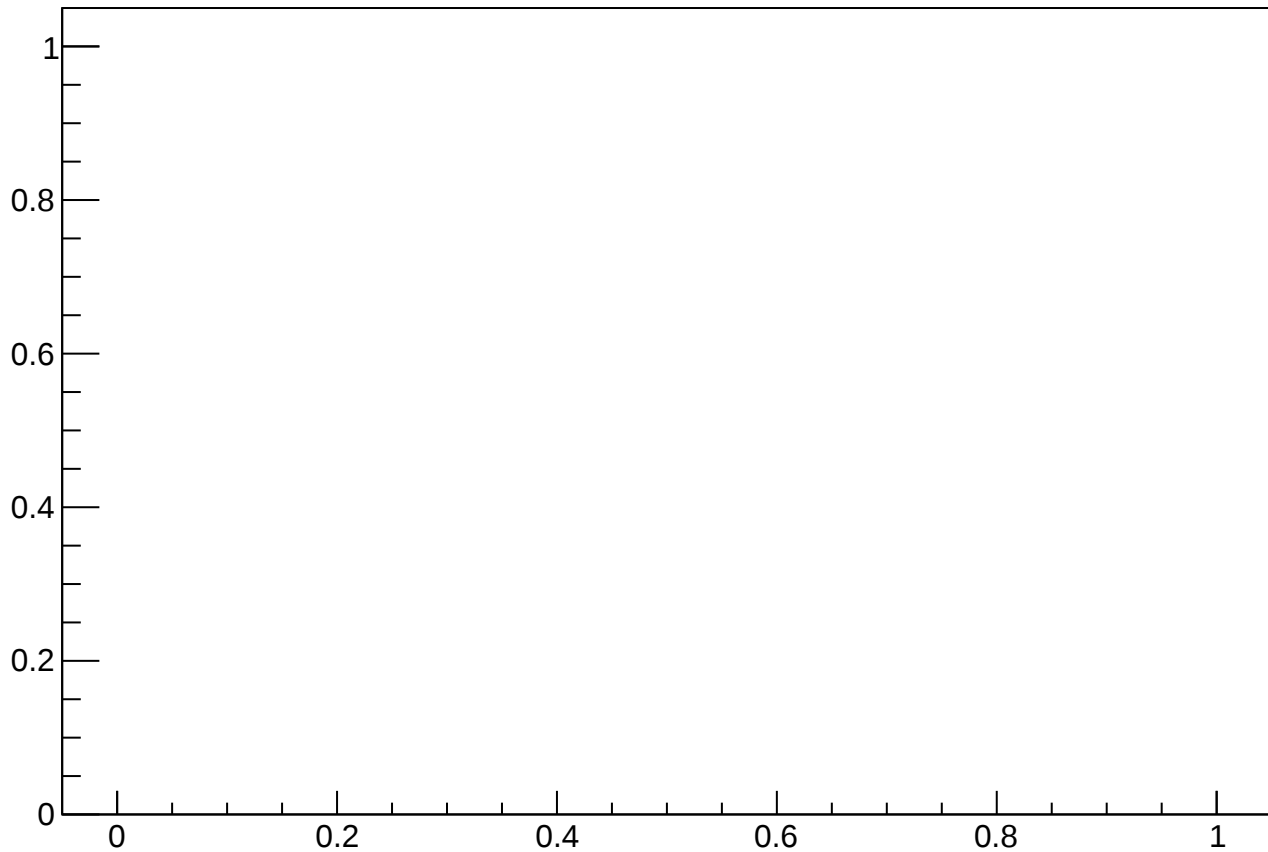
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

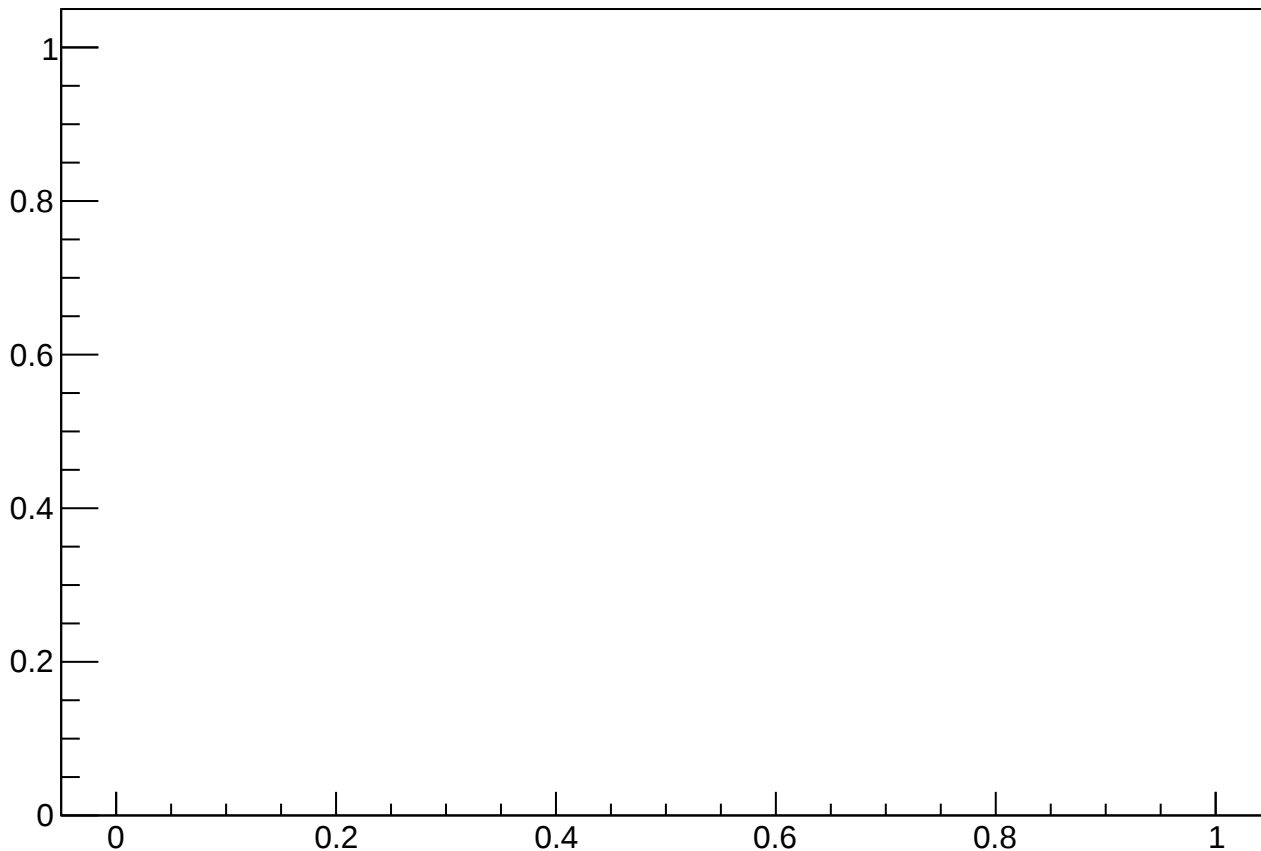
dit_slug_slope vs Slug, Sign Corrected



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_cyclenum_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_cyclenum_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_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

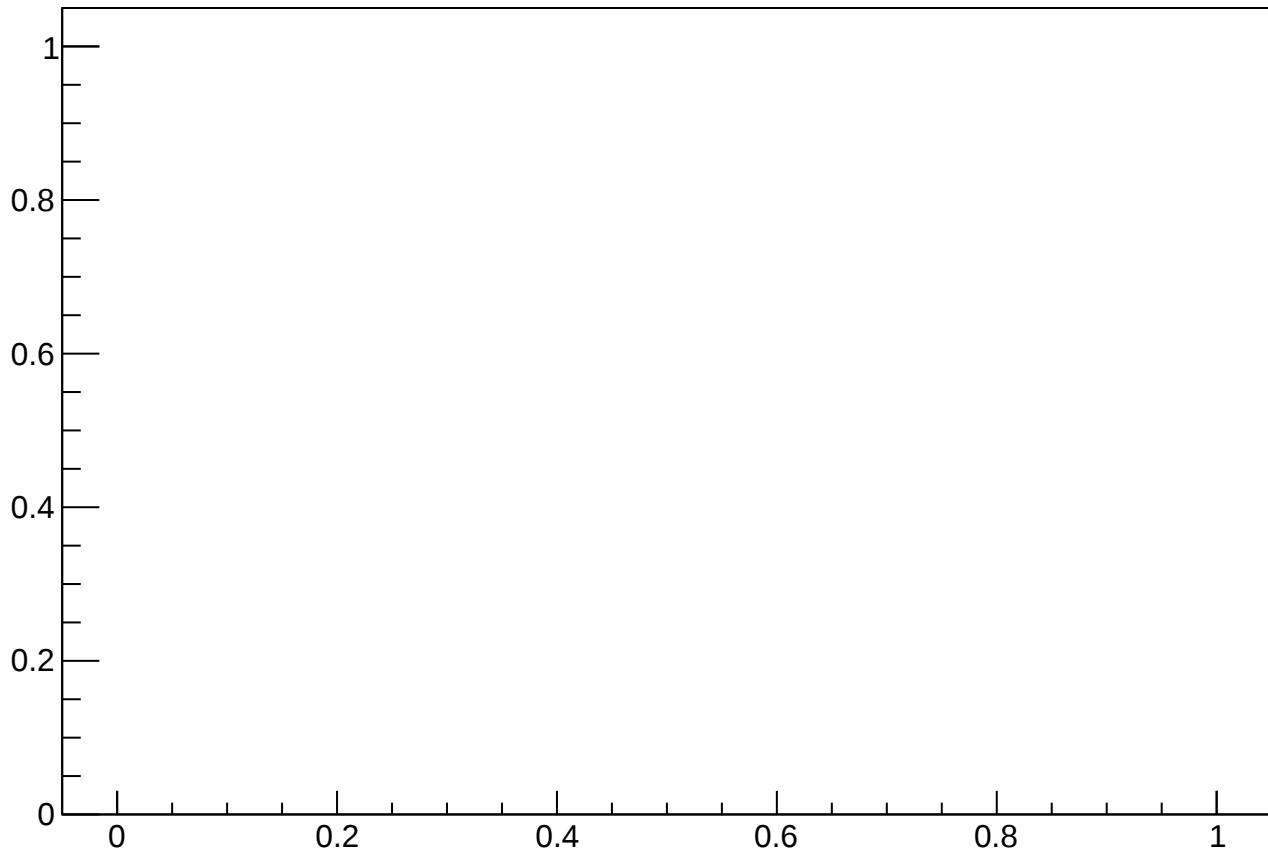
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 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_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

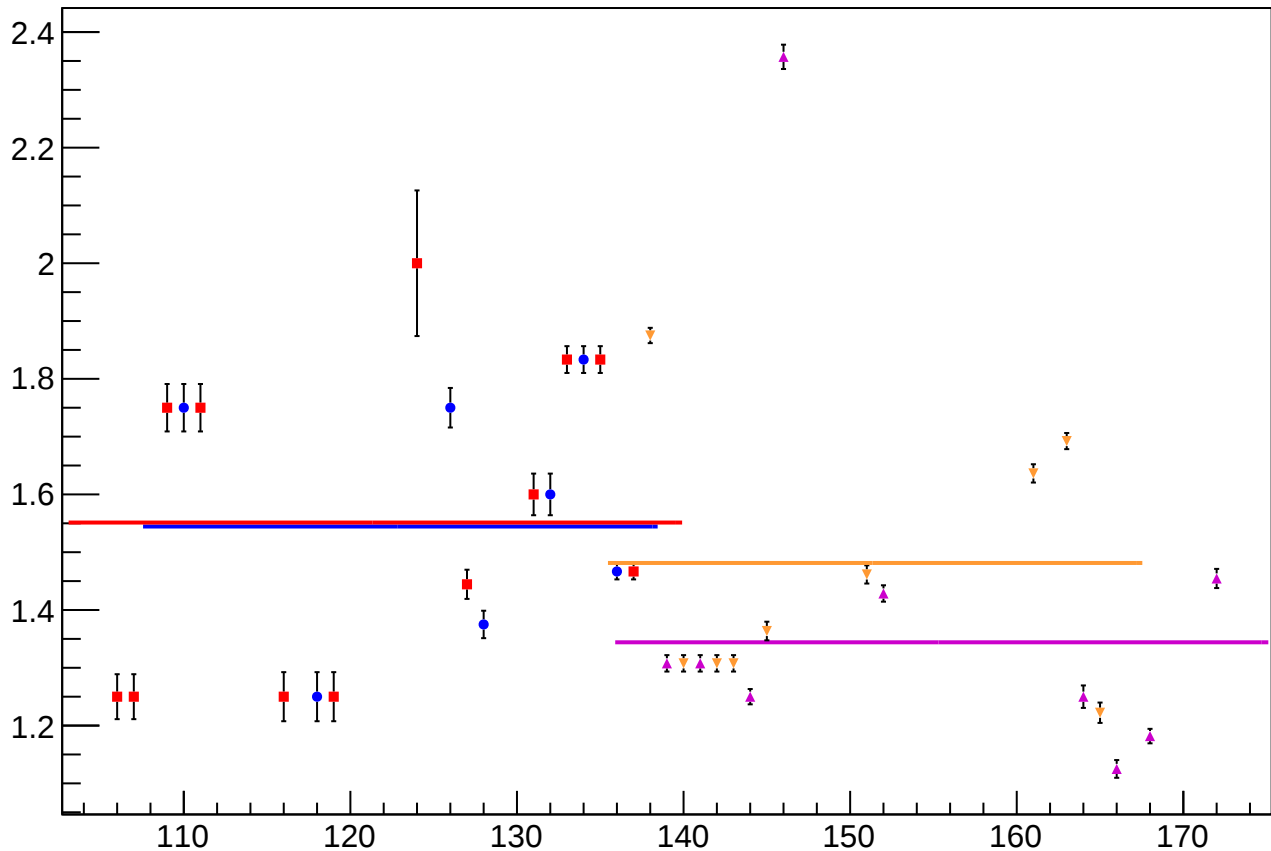
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_segment_slope vs Slug, Sign Corrected



Right In: 1.544 $\pm$ 0.009 χ^2/NDF : 349.7/6

Left Out: 1.481 $\pm$ 0.005 χ^2/NDF :1927.1/8

Right Out: 1.551 $\pm$ 0.008 χ^2/NDF : 633.6/11

Left In: 1.344 $\pm$ 0.005 χ^2/NDF :2852.1/8

Left: 1.414 $\pm$ 0.004 χ^2/NDF : 5158.2/17

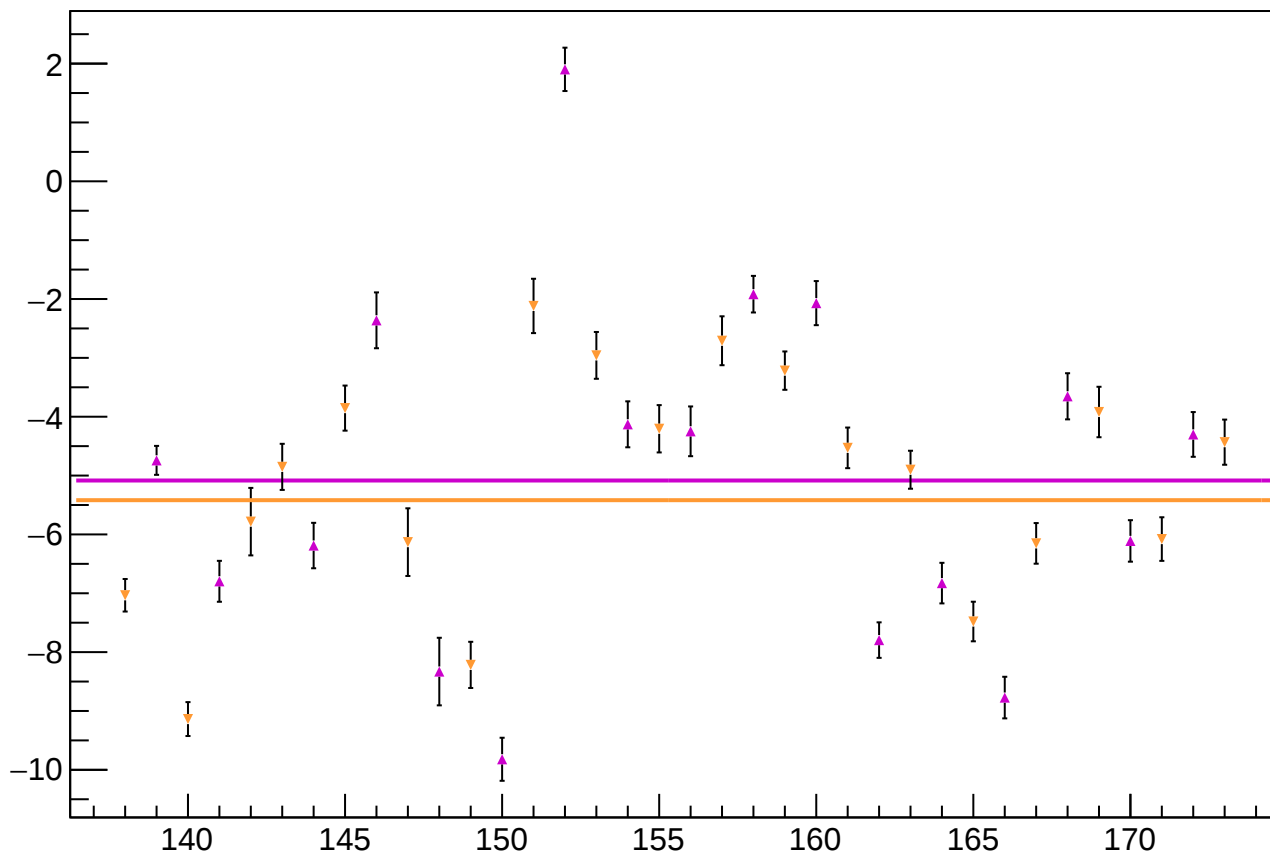
Right: 1.548 $\pm$ 0.006 χ^2/NDF : 983.5/18

In: 1.390 $\pm$ 0.004 χ^2/NDF :3564.8/15

Out: 1.500 $\pm$ 0.004 χ^2/NDF :2614.4/20

All: 1.447 $\pm$ 0.003 χ^2/NDF : 6505.9/36

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -5.418+/-0.085 χ^2/NDF :532.3/18

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

Left In: -5.084+/-0.087 χ^2/NDF :1046.3/16

Left: -5.255+/-0.061 χ^2/NDF : 1586.1/35

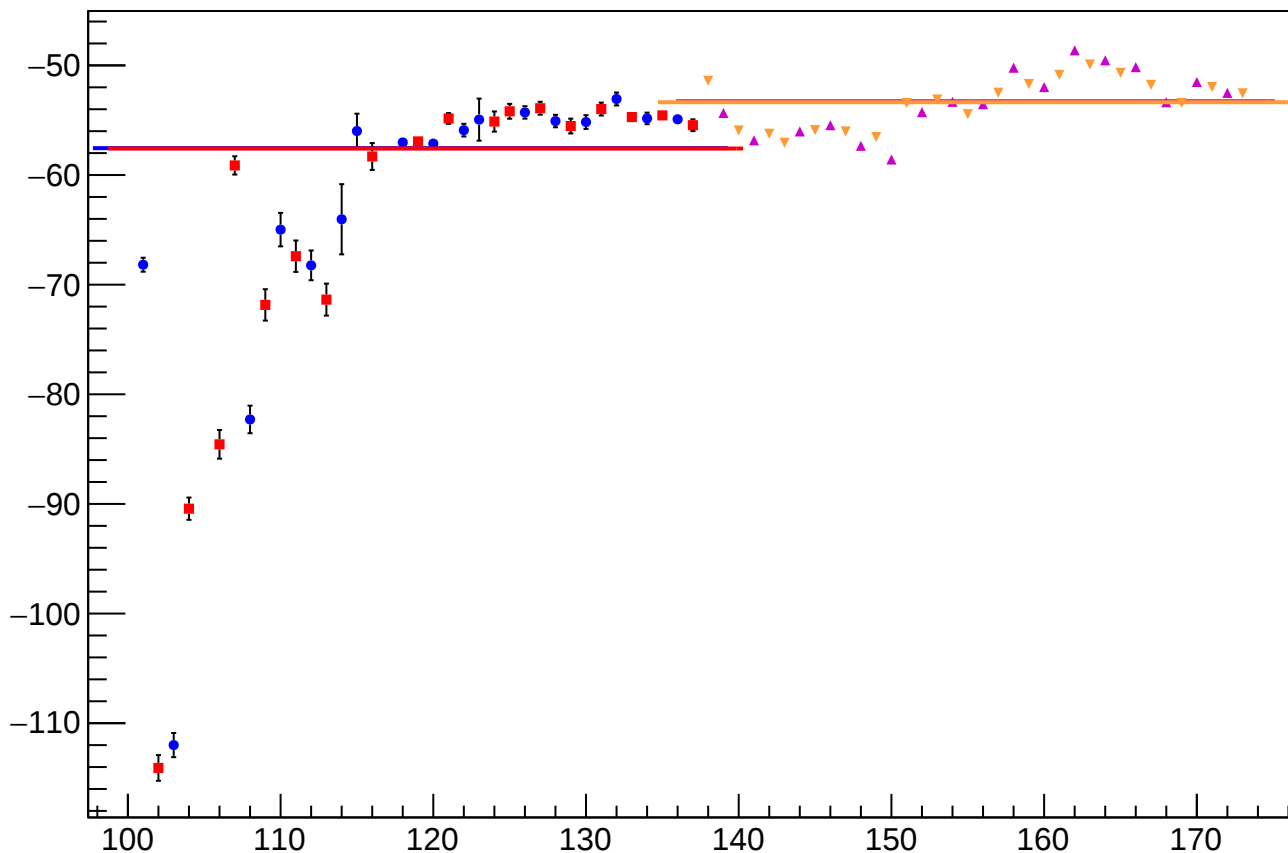
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -5.084+/-0.087 χ^2/NDF :1046.3/16

Out: -5.418+/-0.085 χ^2/NDF :532.3/18

All: -5.255+/-0.061 χ^2/NDF : 1586.1/35

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.549 ± 0.142 χ^2/NDF : 3460.4/16

Left Out: -53.362 ± 0.064 χ^2/NDF : 1229.0/18

Right Out: -57.581 ± 0.143 χ^2/NDF : 4343.8/17

Left In: -53.271 ± 0.067 χ^2/NDF : 1928.9/16

Left: -53.318 ± 0.046 χ^2/NDF : 3158.9/35

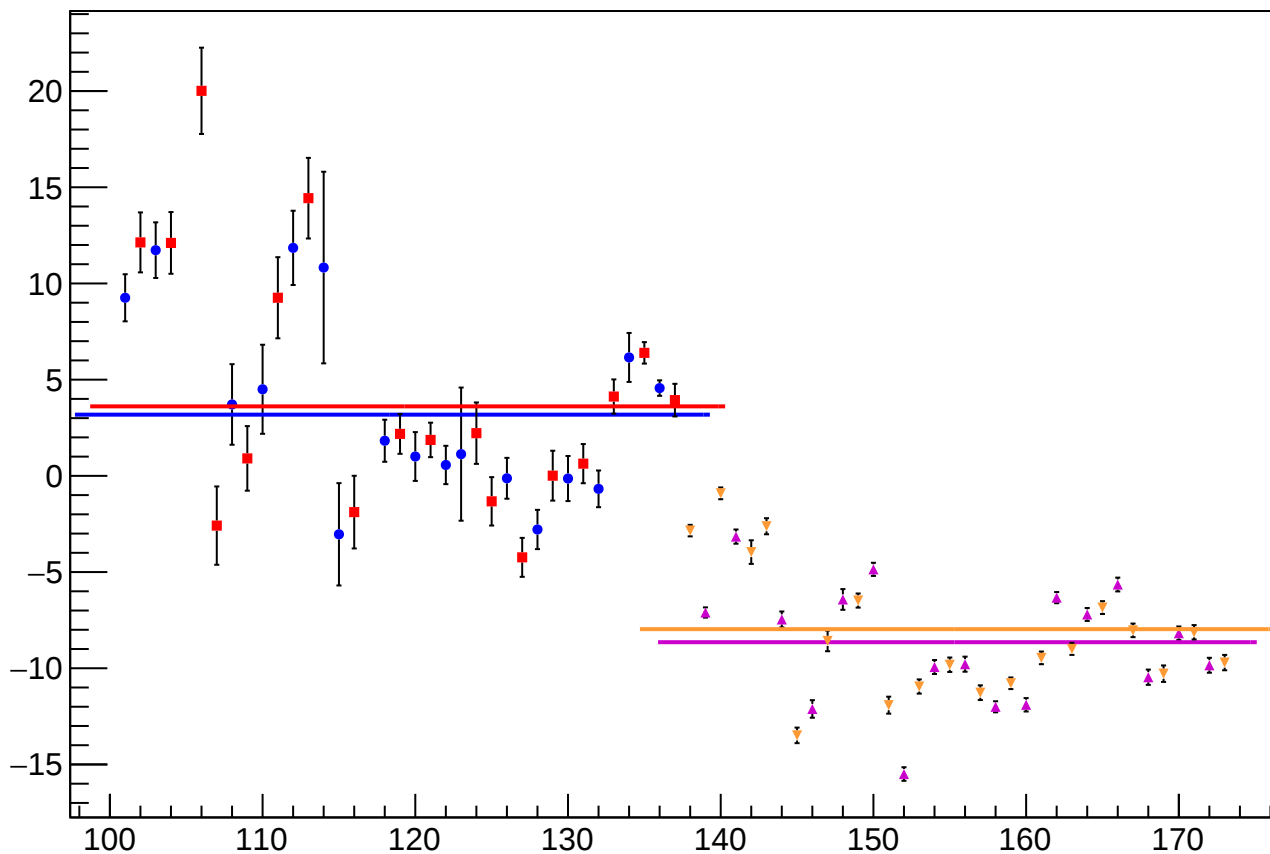
Right: -57.565 ± 0.101 χ^2/NDF : 7804.2/34

In: -54.055 ± 0.061 χ^2/NDF : 6135.0/33

Out: -54.062 ± 0.058 χ^2/NDF : 6299.4/36

All: -54.059 ± 0.042 χ^2/NDF : 12434.5/70

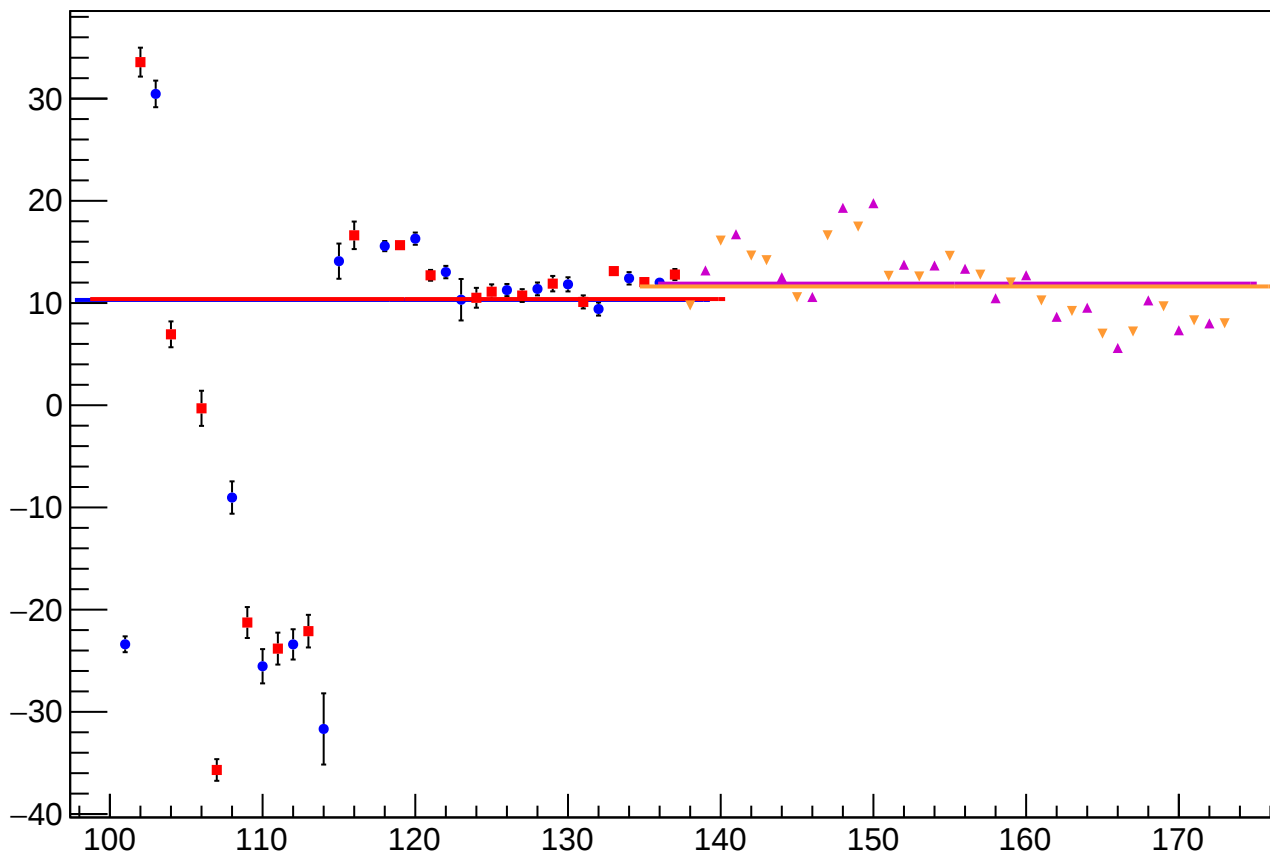
reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.181 ± 0.258 $\chi^2/\text{NDF}: 185.2/16$
 Left Out: -7.968 ± 0.085 $\chi^2/\text{NDF}: 1652.4/18$
 Right Out: 3.612 ± 0.268 $\chi^2/\text{NDF}: 289.2/17$
 Left In: -8.646 ± 0.086 $\chi^2/\text{NDF}: 1266.5/16$

Left: -8.302 ± 0.060 $\chi^2/\text{NDF}: 2950.7/35$
 Right: 3.388 ± 0.186 $\chi^2/\text{NDF}: 475.8/34$
 In: -7.470 ± 0.081 $\chi^2/\text{NDF}: 3344.3/33$
 Out: -6.918 ± 0.081 $\chi^2/\text{NDF}: 3641.0/36$
 All: -7.192 ± 0.057 $\chi^2/\text{NDF}: 7008.5/70$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.301 ± 0.157 χ^2/NDF : 3699.4/16

Left Out: 11.622 ± 0.072 χ^2/NDF : 1834.7/18

Right Out: 10.388 ± 0.160 χ^2/NDF : 3786.4/17

Left In: 11.897 ± 0.075 χ^2/NDF : 2494.4/16

Left: 11.754 ± 0.052 χ^2/NDF : 4336.1/35

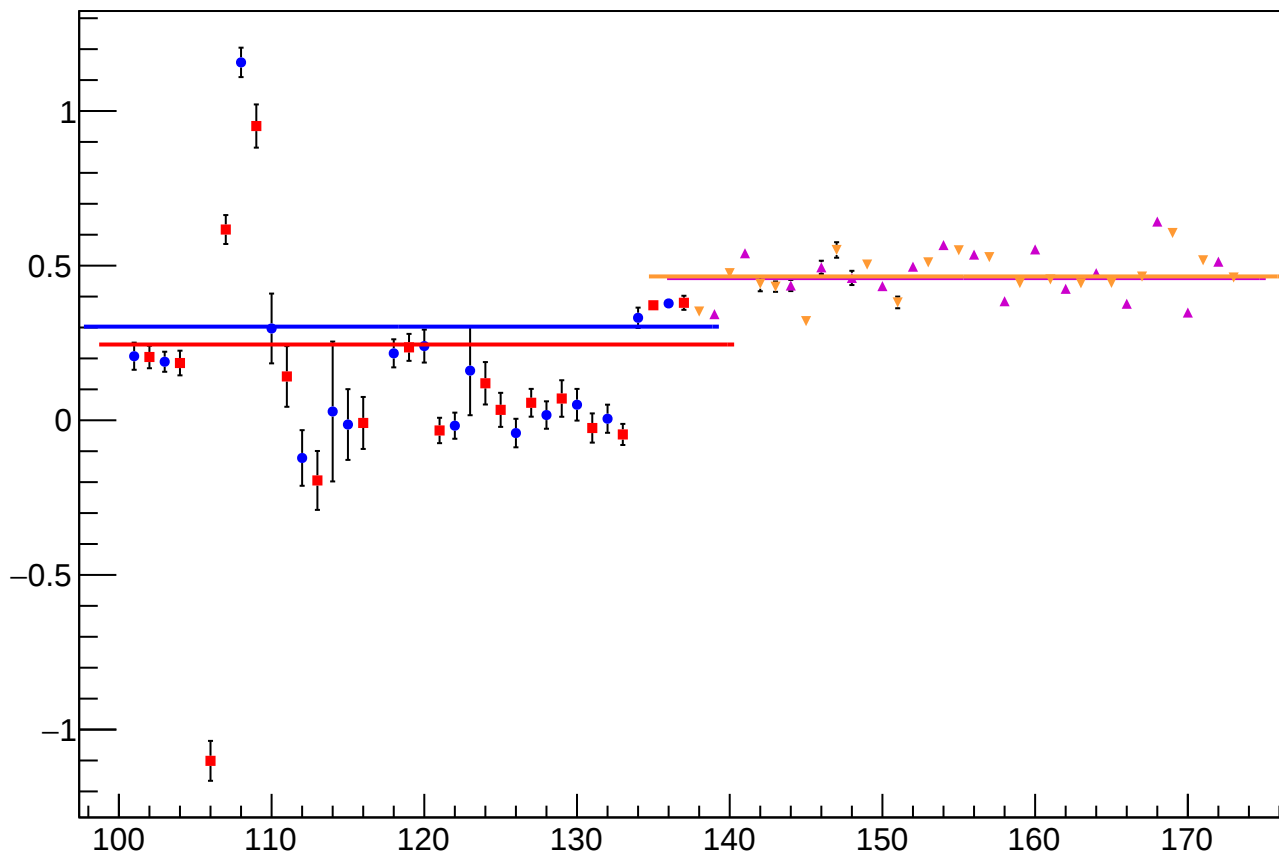
Right: 10.344 ± 0.112 χ^2/NDF : 7485.9/34

In: 11.598 ± 0.068 χ^2/NDF : 6277.9/33

Out: 11.413 ± 0.066 χ^2/NDF : 5670.5/36

All: 11.503 ± 0.047 χ^2/NDF : 11952.2/70

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 647.2/16

Left Out: 0.465 ± 0.003 χ^2/NDF : 404.9/18

Right Out: 0.245 ± 0.009 χ^2/NDF : 954.5/17

Left In: 0.460 ± 0.003 χ^2/NDF : 684.5/16

Left: 0.462 ± 0.002 χ^2/NDF : 1090.8/35

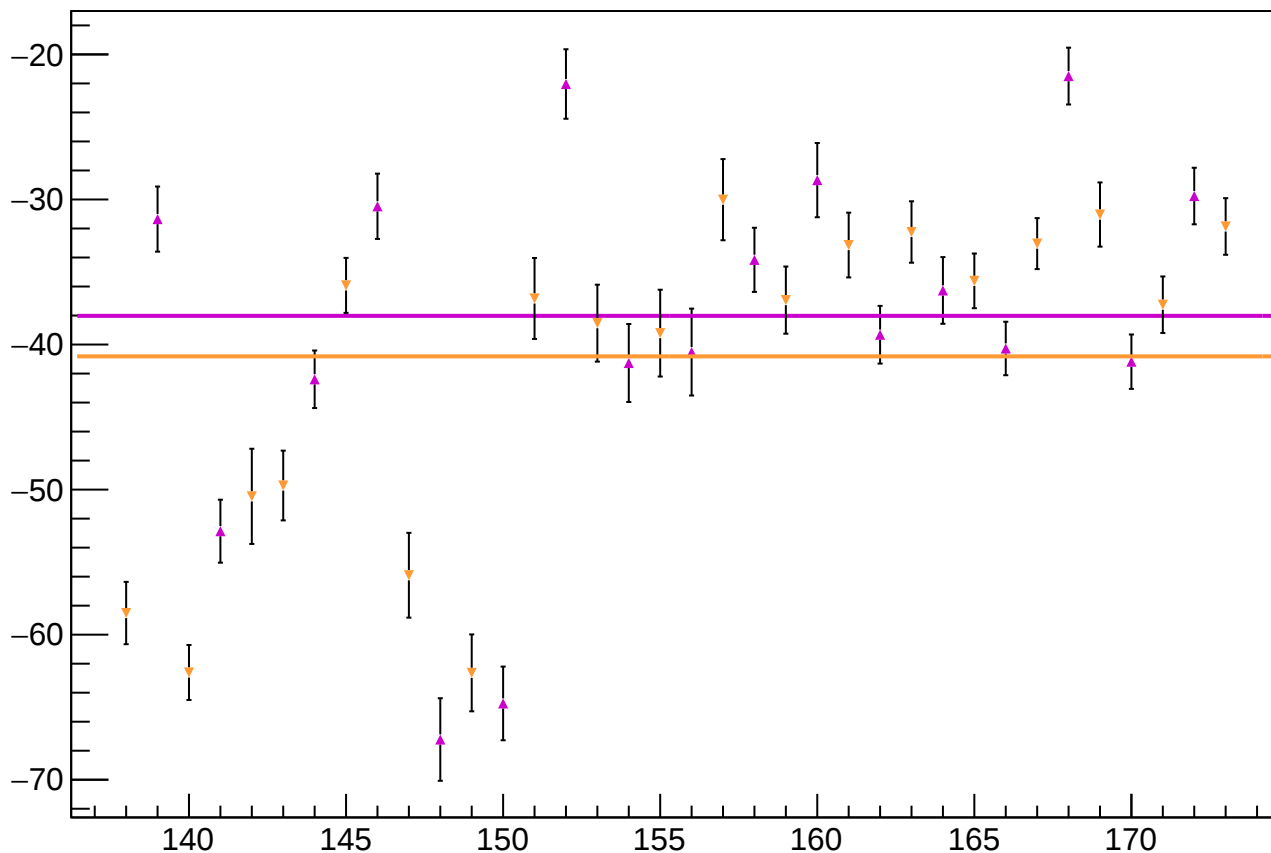
Right: 0.275 ± 0.006 χ^2/NDF : 1625.6/34

In: 0.438 ± 0.003 χ^2/NDF : 1647.5/33

Out: 0.437 ± 0.003 χ^2/NDF : 1942.5/36

All: 0.438 ± 0.002 χ^2/NDF : 3590.0/70

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -40.815+/-0.516 χ^2/NDF :443.6/18

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

Left In: -38.022+/-0.537 χ^2/NDF :445.3/16

Left: -39.474+/-0.372 χ^2/NDF : 903.0/35

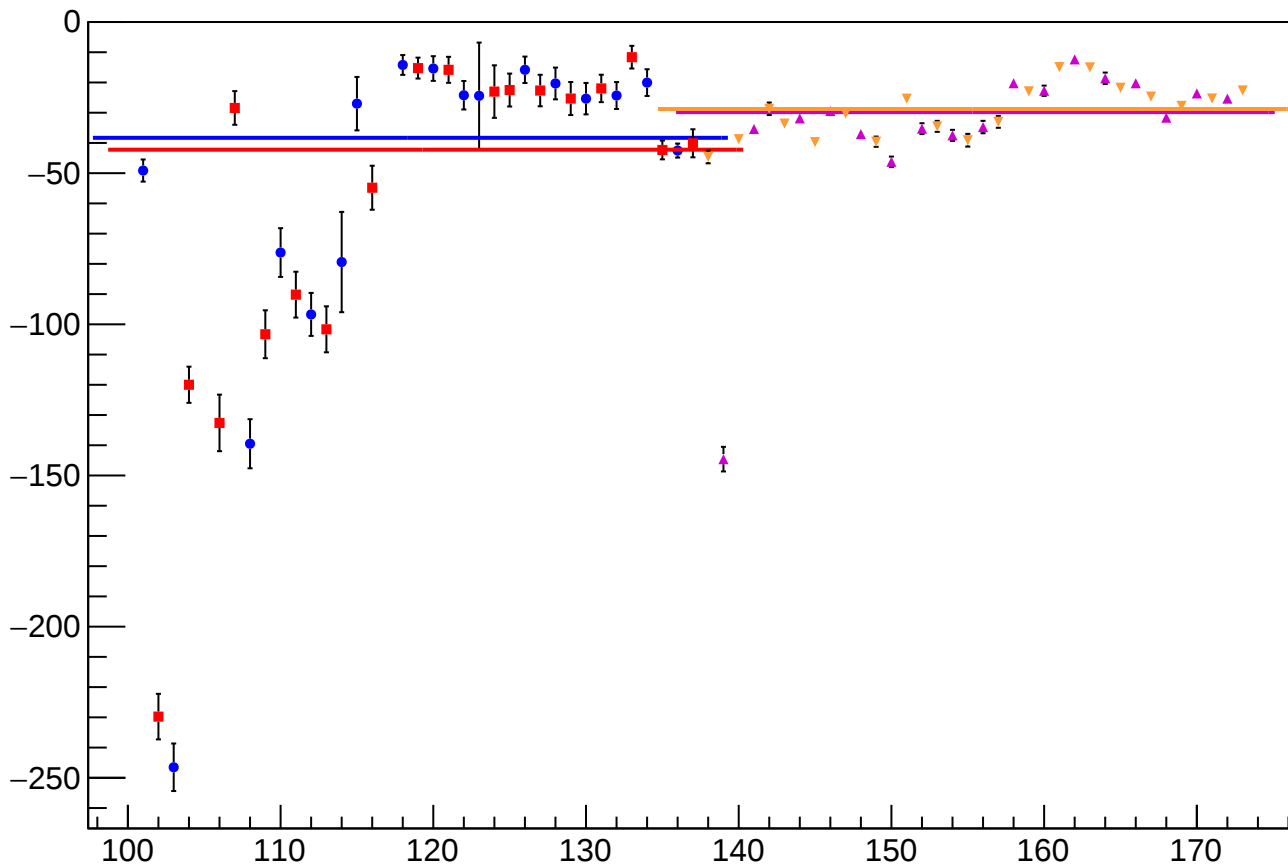
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.022+/-0.537 χ^2/NDF :445.3/16

Out: -40.815+/-0.516 χ^2/NDF :443.6/18

All: -39.474+/-0.372 χ^2/NDF : 903.0/35

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.304 ± 1.138 $\chi^2/\text{NDF}: 1132.8/16$

Left Out: -28.772 ± 0.378 $\chi^2/\text{NDF}: 457.4/18$

Right Out: -42.231 ± 1.210 $\chi^2/\text{NDF}: 1278.1/17$

Left In: -29.811 ± 0.397 $\chi^2/\text{NDF}: 1237.0/16$

Left: -29.265 ± 0.274 $\chi^2/\text{NDF}: 1698.0/35$

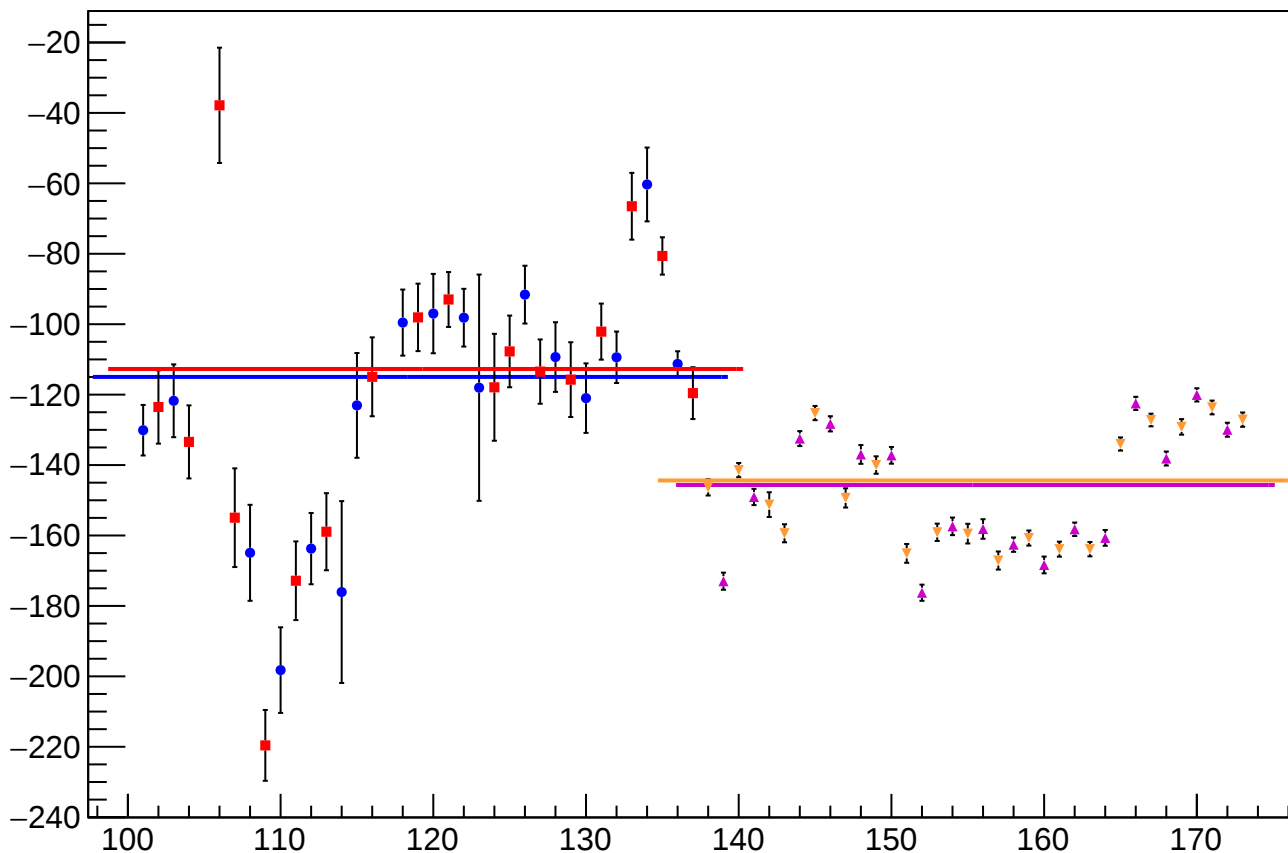
Right: -40.148 ± 0.829 $\chi^2/\text{NDF}: 2416.5/34$

In: -30.732 ± 0.375 $\chi^2/\text{NDF}: 2419.4/33$

Out: -29.967 ± 0.360 $\chi^2/\text{NDF}: 1848.3/36$

All: -30.334 ± 0.260 $\chi^2/\text{NDF}: 4269.9/70$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -114.969 ± 2.075 $\chi^2/\text{NDF}: 141.4/16$

Left Out: -144.370 ± 0.515 $\chi^2/\text{NDF}: 926.3/18$

Right Out: -112.713 ± 2.210 $\chi^2/\text{NDF}: 267.1/17$

Left In: -145.660 ± 0.530 $\chi^2/\text{NDF}: 1138.7/16$

Left: -144.997 ± 0.370 $\chi^2/\text{NDF}: 2068.1/35$

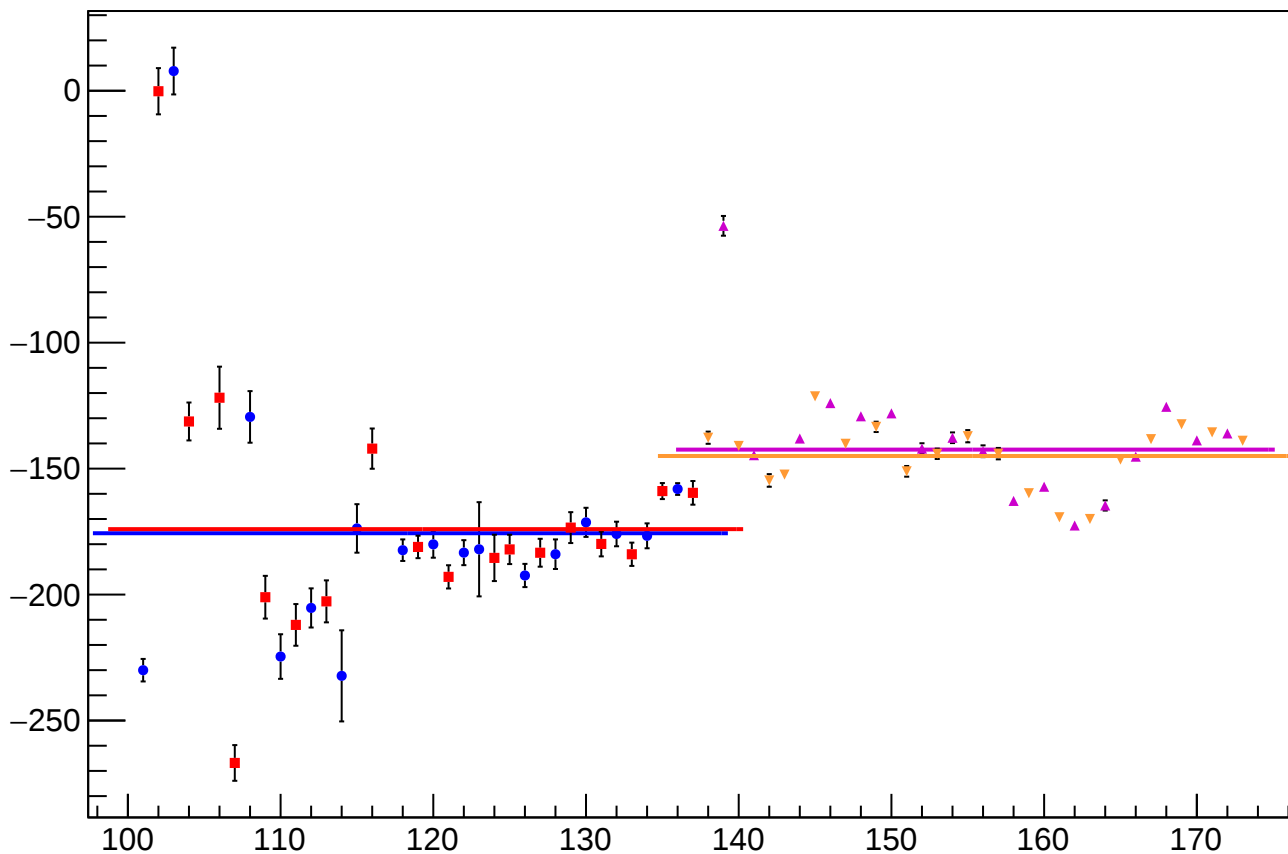
Right: -113.912 ± 1.513 $\chi^2/\text{NDF}: 409.1/34$

In: -143.778 ± 0.514 $\chi^2/\text{NDF}: 1485.6/33$

Out: -142.739 ± 0.502 $\chi^2/\text{NDF}: 1388.0/36$

All: -143.246 ± 0.359 $\chi^2/\text{NDF}: 2875.7/70$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.651 ± 1.269 χ^2/NDF : 692.1/16

Left Out: -144.992 ± 0.431 χ^2/NDF : 903.7/18

Right Out: -174.024 ± 1.355 χ^2/NDF : 703.5/17

Left In: -142.453 ± 0.453 χ^2/NDF : 1514.6/16

Left: -143.785 ± 0.312 χ^2/NDF : 2434.8/35

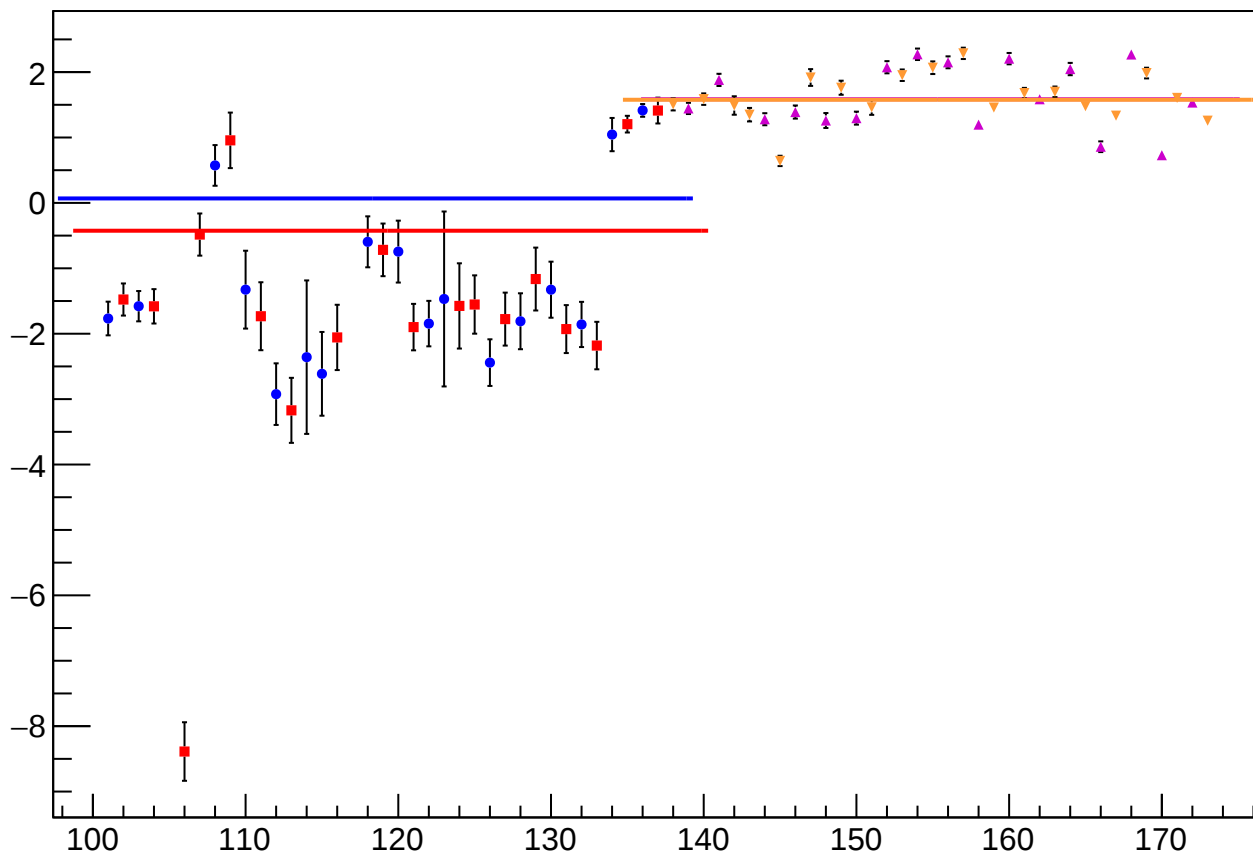
Right: -174.891 ± 0.926 χ^2/NDF : 1396.3/34

In: -146.206 ± 0.427 χ^2/NDF : 2813.6/33

Out: -147.662 ± 0.411 χ^2/NDF : 2023.9/36

All: -146.962 ± 0.296 χ^2/NDF : 4843.6/70

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.067 χ^2/NDF : 525.9/16

Left Out: 1.577 $\pm$ 0.020 χ^2/NDF : 330.2/18

Right Out: -0.425 $\pm$ 0.071 χ^2/NDF : 742.9/17

Left In: 1.585 $\pm$ 0.021 χ^2/NDF : 591.8/16

Left: 1.581 $\pm$ 0.014 χ^2/NDF : 922.1/35

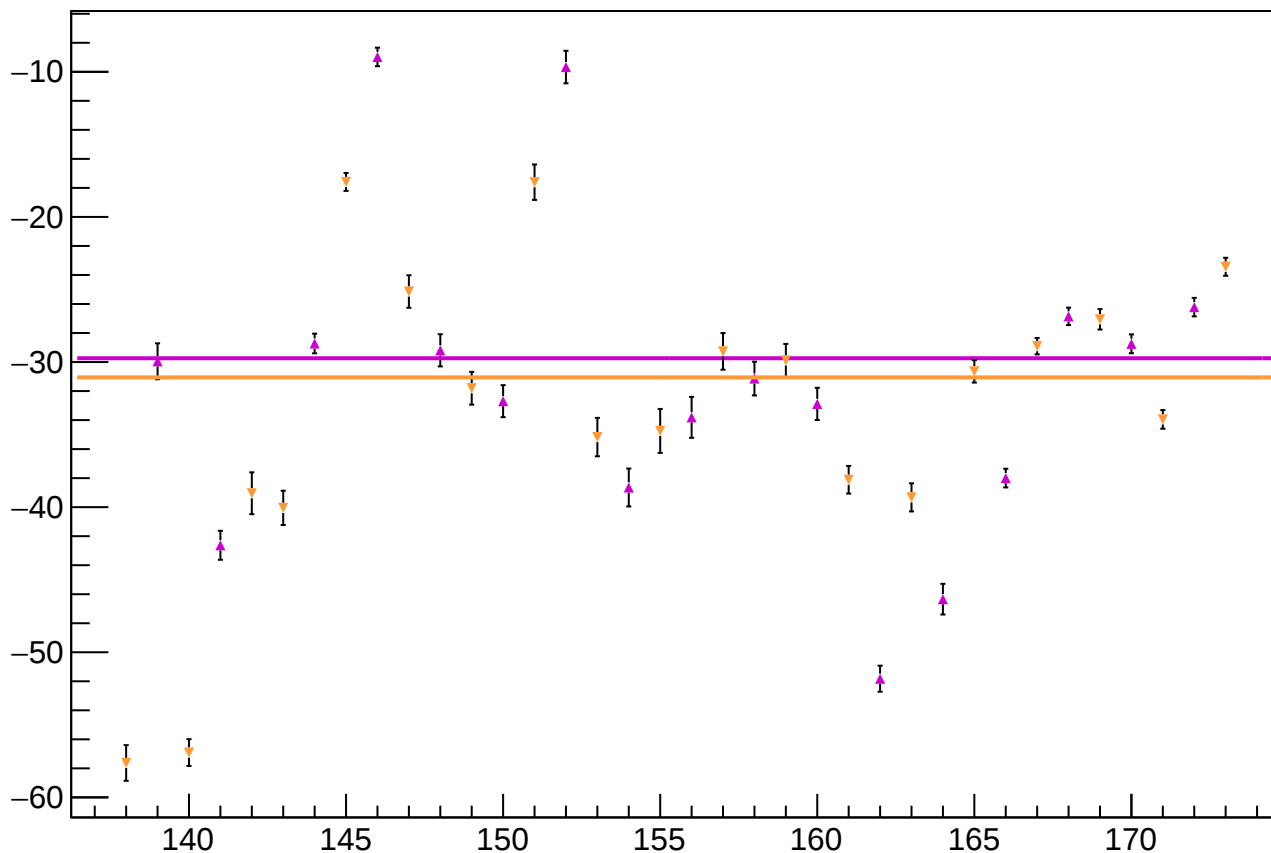
Right: -0.163 $\pm$ 0.049 χ^2/NDF : 1294.2/34

In: 1.454 $\pm$ 0.020 χ^2/NDF : 1585.8/33

Out: 1.432 $\pm$ 0.019 χ^2/NDF : 1805.6/36

All: 1.443 $\pm$ 0.014 χ^2/NDF : 3392.1/70

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.057 $\pm$ 0.203 χ^2 /NDF:2331.6/18

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

Left In: -29.738 $\pm$ 0.206 χ^2 /NDF:2691.0/16

Left: -30.408 $\pm$ 0.145 χ^2 /NDF: 5043.5/35

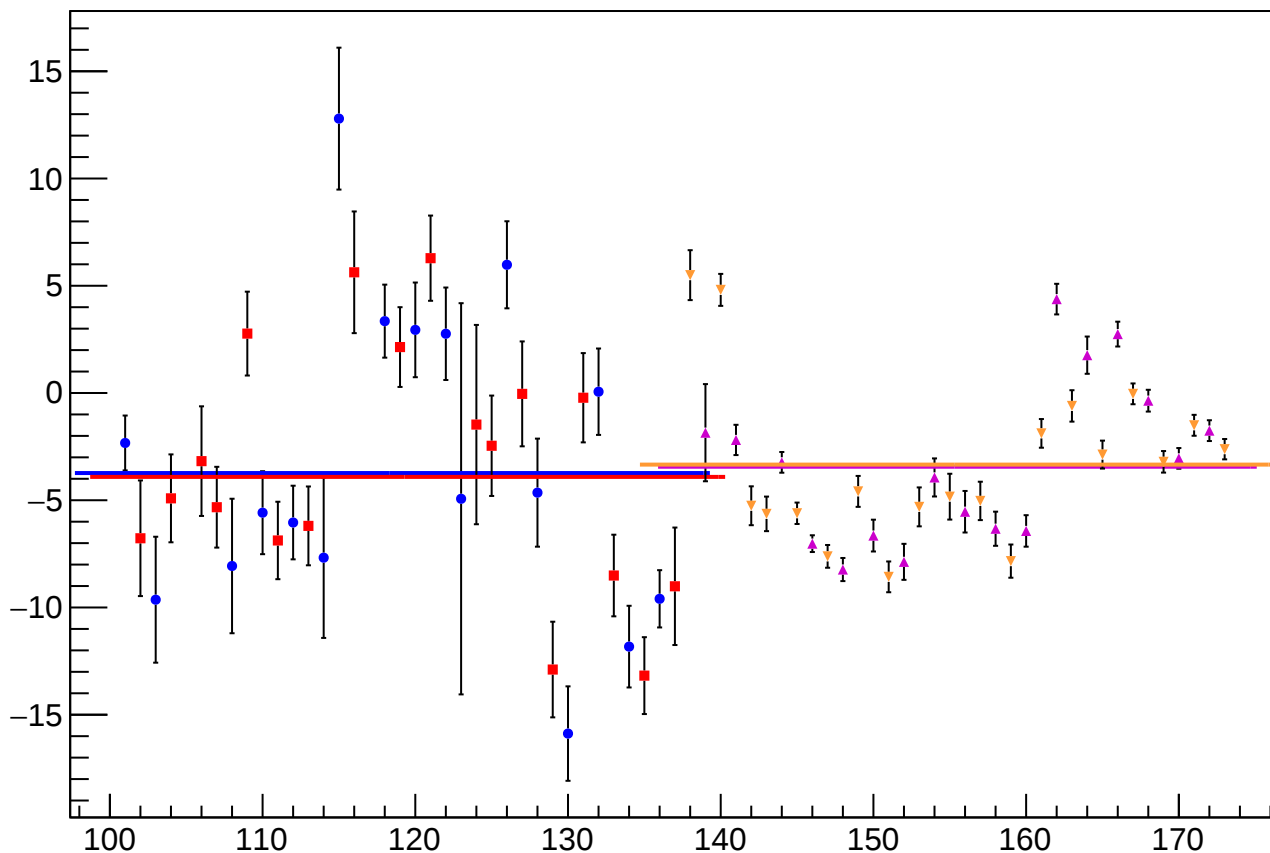
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -29.738 $\pm$ 0.206 χ^2 /NDF:2691.0/16

Out: -31.057 $\pm$ 0.203 χ^2 /NDF:2331.6/18

All: -30.408 $\pm$ 0.145 χ^2 /NDF: 5043.5/35

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.732 ± 0.496 $\chi^2/\text{NDF}: 165.8/16$

Left Out: -3.339 ± 0.149 $\chi^2/\text{NDF}: 457.6/18$

Right Out: -3.912 ± 0.507 $\chi^2/\text{NDF}: 124.8/17$

Left In: -3.437 ± 0.150 $\chi^2/\text{NDF}: 568.0/16$

Left: -3.387 ± 0.106 $\chi^2/\text{NDF}: 1025.9/35$

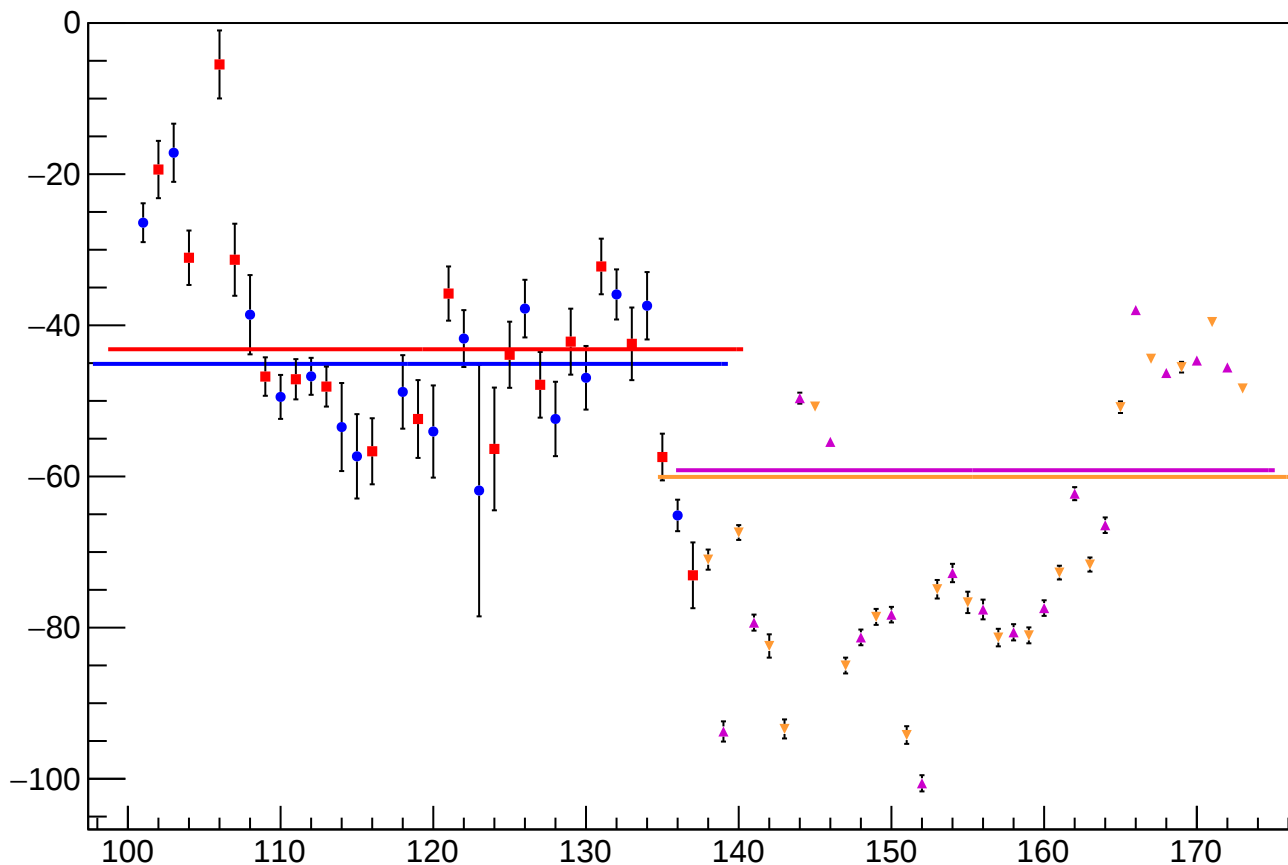
Right: -3.820 ± 0.354 $\chi^2/\text{NDF}: 290.7/34$

In: -3.462 ± 0.144 $\chi^2/\text{NDF}: 734.2/33$

Out: -3.384 ± 0.143 $\chi^2/\text{NDF}: 583.6/36$

All: -3.423 ± 0.101 $\chi^2/\text{NDF}: 1317.9/70$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.102 ± 0.883 χ^2/NDF : 230.6/16

Left Out: -60.059 ± 0.204 χ^2/NDF : 6954.9/18

Right Out: -43.167 ± 0.879 χ^2/NDF : 232.9/17

Left In: -59.172 ± 0.205 χ^2/NDF : 7051.3/16

Left: -59.619 ± 0.144 χ^2/NDF : 14015.6/35

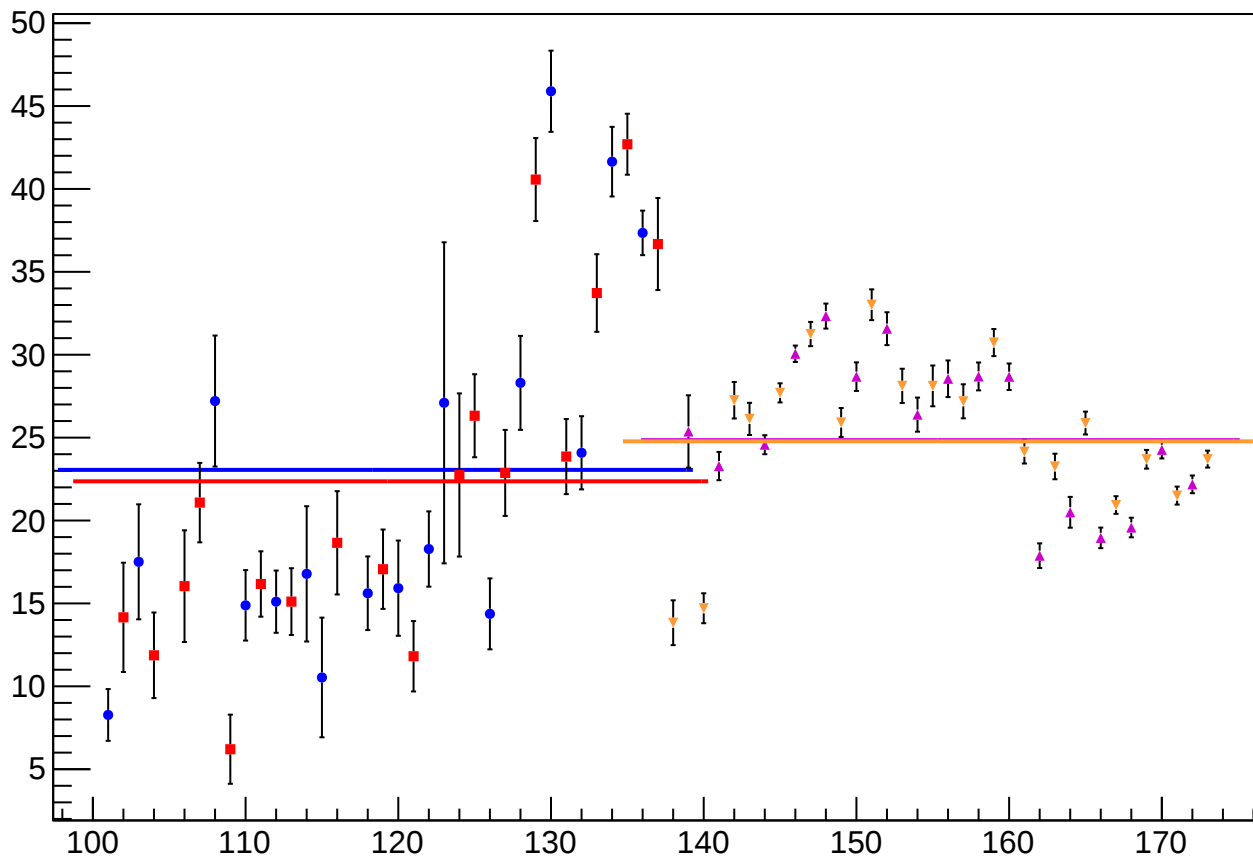
Right: -44.131 ± 0.623 χ^2/NDF : 465.9/34

In: -58.453 ± 0.200 χ^2/NDF : 7523.0/33

Out: -59.200 ± 0.198 χ^2/NDF : 7538.2/36

All: -58.829 ± 0.141 χ^2/NDF : 15068.2/70

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.055 $\pm$ 0.557 χ^2 /NDF: 461.1/16

Left Out: 24.775 $\pm$ 0.170 χ^2 /NDF:562.0/18

Right Out: 22.365 $\pm$ 0.573 χ^2 /NDF: 368.8/17

Left In: 24.847 $\pm$ 0.174 χ^2 /NDF:641.6/16

Left: 24.810 $\pm$ 0.121 χ^2 /NDF: 1203.7/35

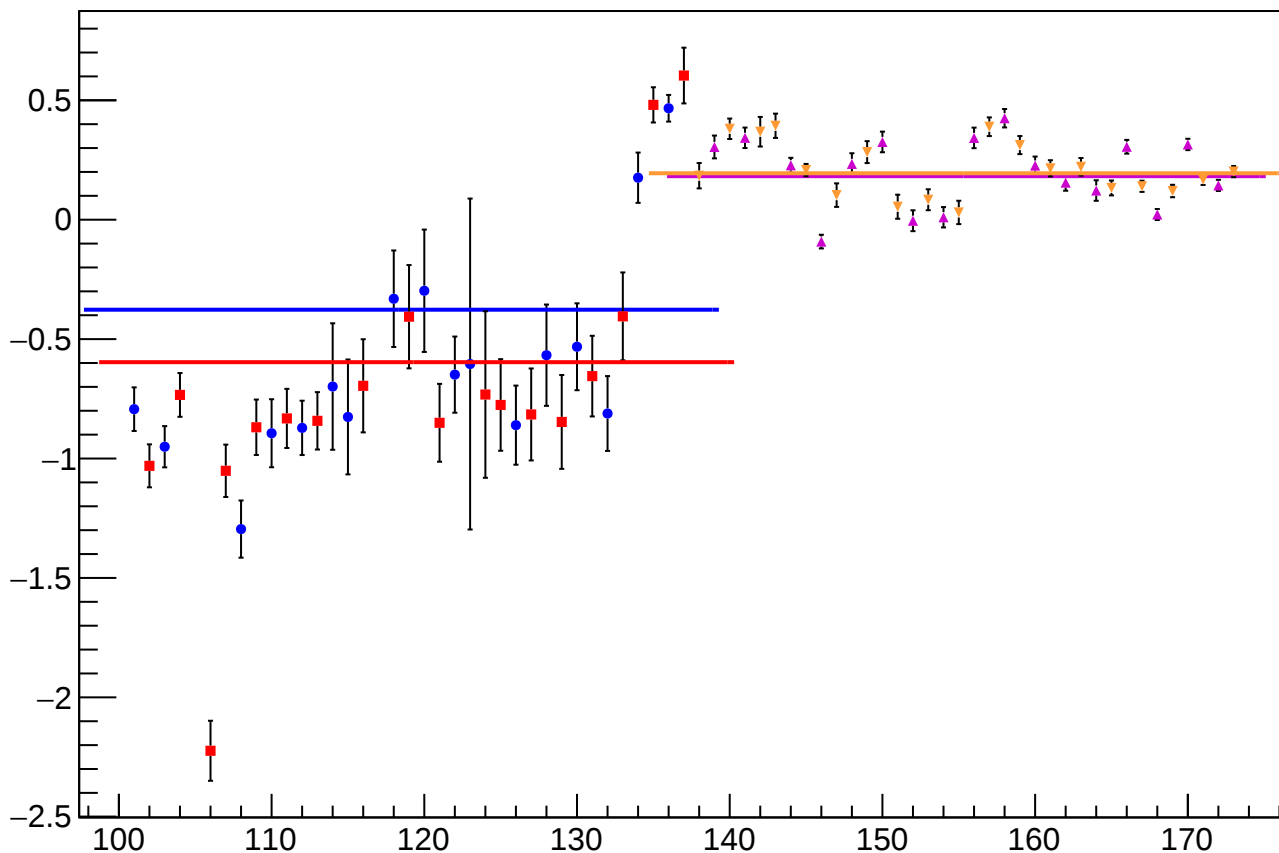
Right: 22.720 $\pm$ 0.399 χ^2 /NDF: 830.6/34

In: 24.688 $\pm$ 0.166 χ^2 /NDF:1112.2/33

Out: 24.580 $\pm$ 0.163 χ^2 /NDF:947.1/36

All: 24.633 $\pm$ 0.116 χ^2 /NDF: 2059.5/70

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 χ^2/NDF : 437.4/16

Left Out: 0.194 ± 0.008 χ^2/NDF : 129.2/18

Right Out: -0.597 ± 0.030 χ^2/NDF : 551.3/17

Left In: 0.182 ± 0.008 χ^2/NDF : 319.2/16

Left: 0.189 ± 0.006 χ^2/NDF : 449.6/35

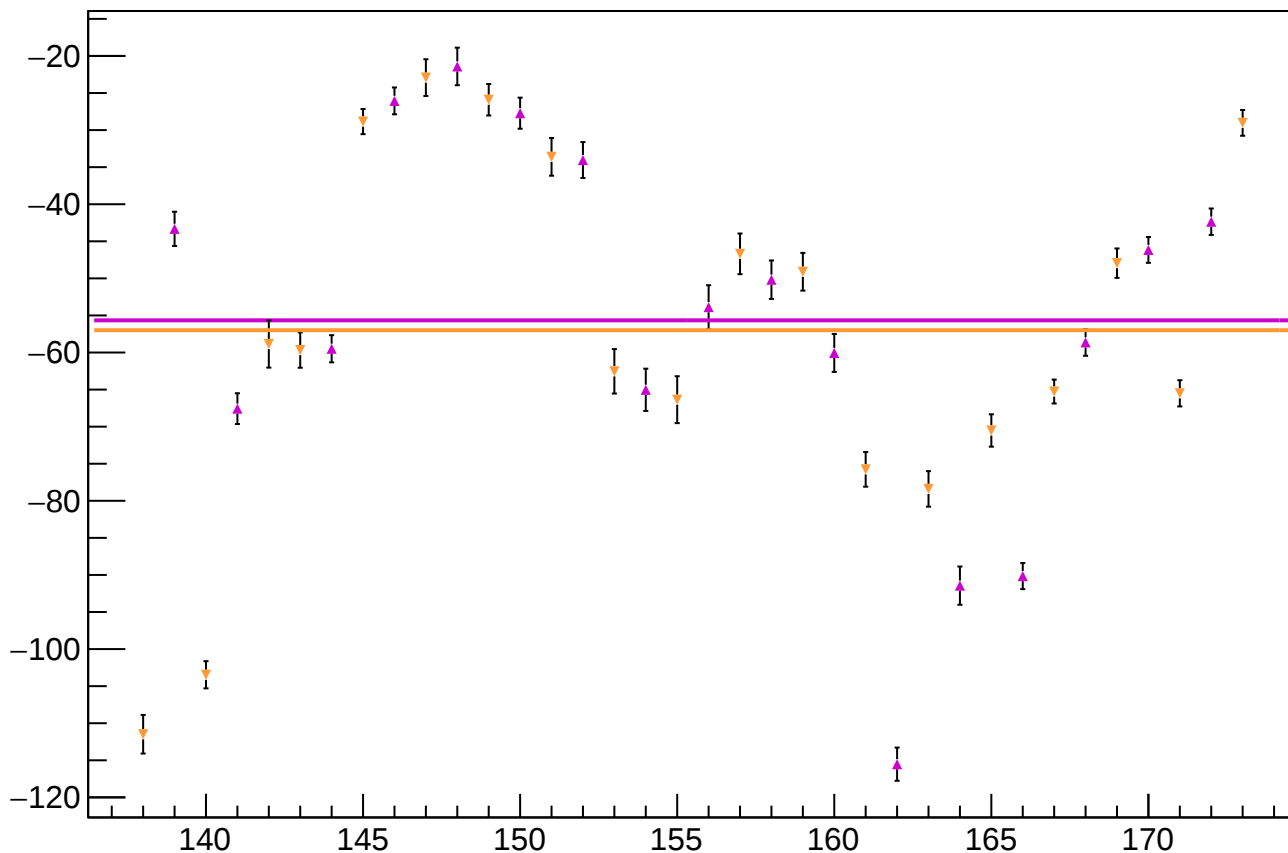
Right: -0.486 ± 0.021 χ^2/NDF : 1015.2/34

In: 0.145 ± 0.008 χ^2/NDF : 1078.5/33

Out: 0.145 ± 0.008 χ^2/NDF : 1321.6/36

All: 0.145 ± 0.005 χ^2/NDF : 2400.1/70

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -56.990+/-0.502 χ^2/NDF :2394.2/18

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

Left In: -55.659+/-0.517 χ^2/NDF :2171.3/16

Left: -56.344+/-0.360 χ^2/NDF : 4568.9/35

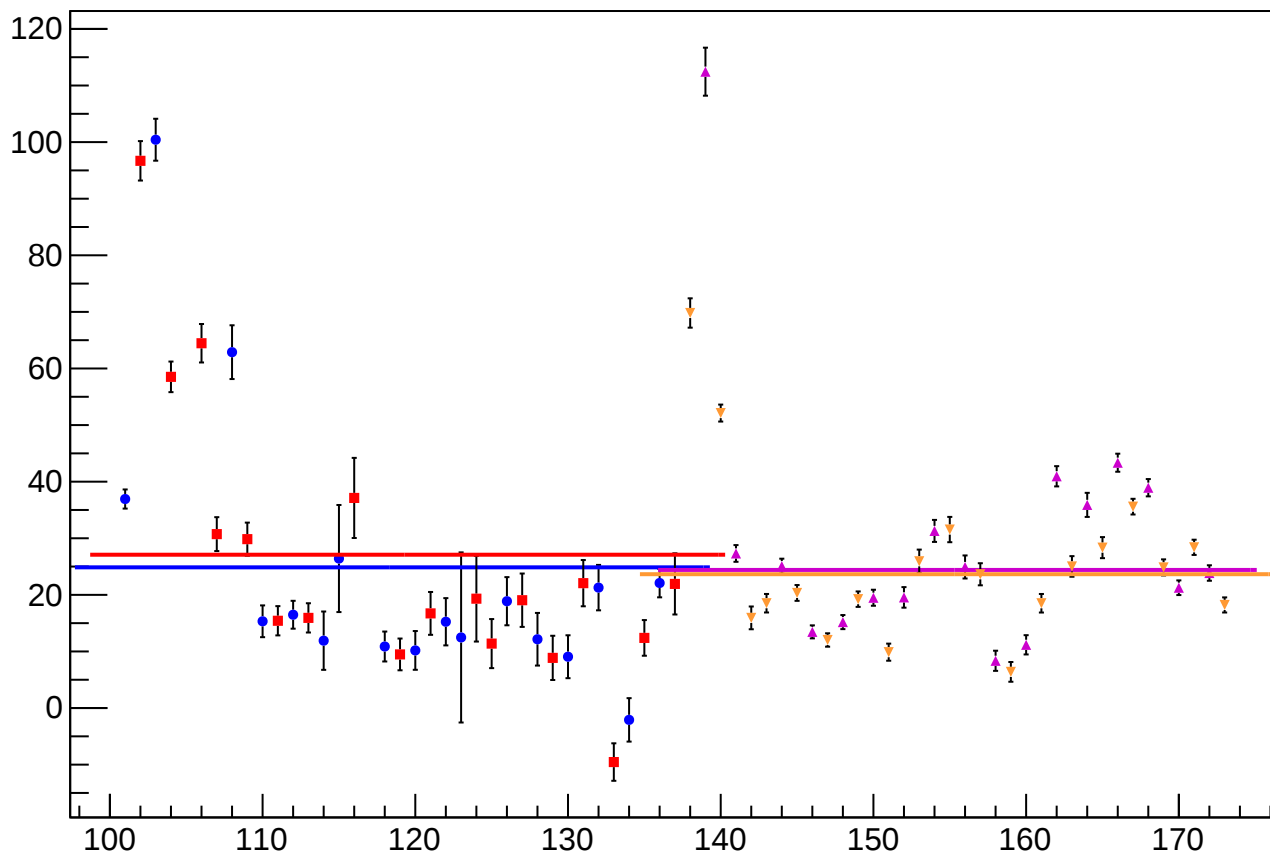
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -55.659+/-0.517 χ^2/NDF :2171.3/16

Out: -56.990+/-0.502 χ^2/NDF :2394.2/18

All: -56.344+/-0.360 χ^2/NDF : 4568.9/35

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.863 $\pm$ 0.802 χ^2 /NDF: 691.0/16

Left Out: 23.651 $\pm$ 0.364 χ^2 /NDF:1129.8/18

Right Out: 27.093 $\pm$ 0.812 χ^2 /NDF: 930.9/17

Left In: 24.404 $\pm$ 0.379 χ^2 /NDF:1105.8/16

Left: 24.012 $\pm$ 0.263 χ^2 /NDF: 2237.7/35

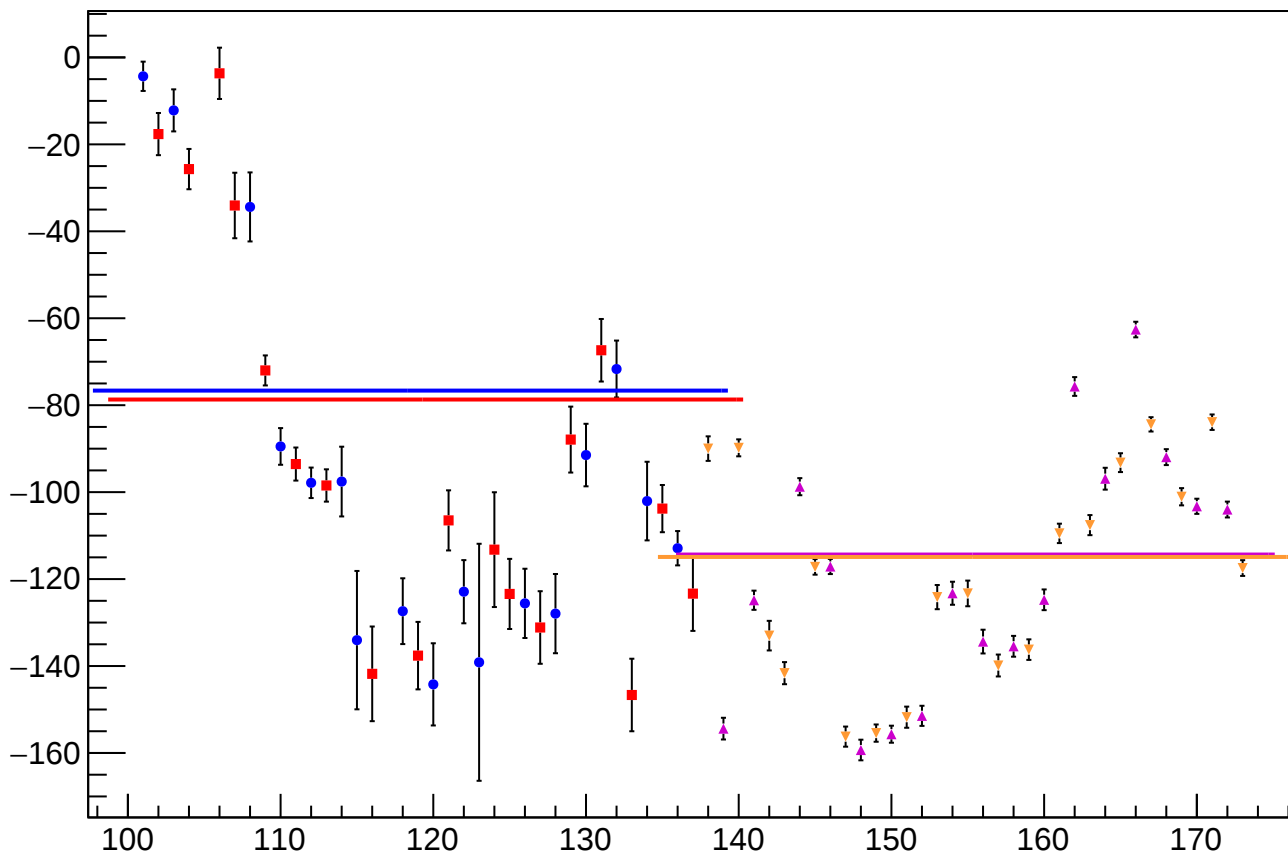
Right: 25.964 $\pm$ 0.570 χ^2 /NDF: 1625.8/34

In: 24.488 $\pm$ 0.343 χ^2 /NDF:1797.1/33

Out: 24.228 $\pm$ 0.332 χ^2 /NDF:2075.7/36

All: 24.354 $\pm$ 0.239 χ^2 /NDF: 3873.1/70

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.641 ± 1.415 $\chi^2/\text{NDF}: 1040.7/16$

Left Out: -114.908 ± 0.502 $\chi^2/\text{NDF}: 2359.7/18$

Right Out: -78.695 ± 1.360 $\chi^2/\text{NDF}: 836.5/17$

Left In: -114.356 ± 0.512 $\chi^2/\text{NDF}: 2992.2/16$

Left: -114.638 ± 0.358 $\chi^2/\text{NDF}: 5352.6/35$

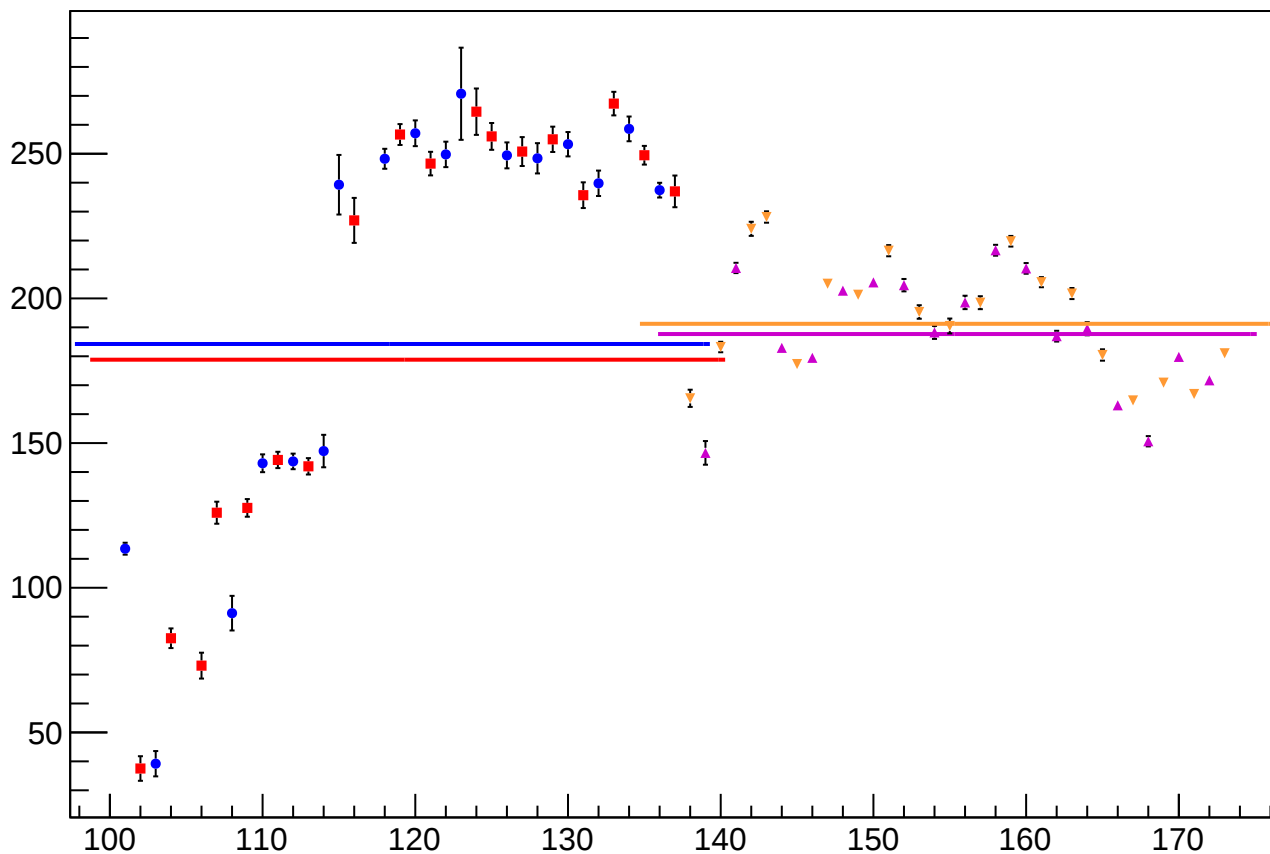
Right: -77.709 ± 0.980 $\chi^2/\text{NDF}: 1878.3/34$

In: -109.992 ± 0.481 $\chi^2/\text{NDF}: 4661.4/33$

Out: -110.572 ± 0.471 $\chi^2/\text{NDF}: 3820.4/36$

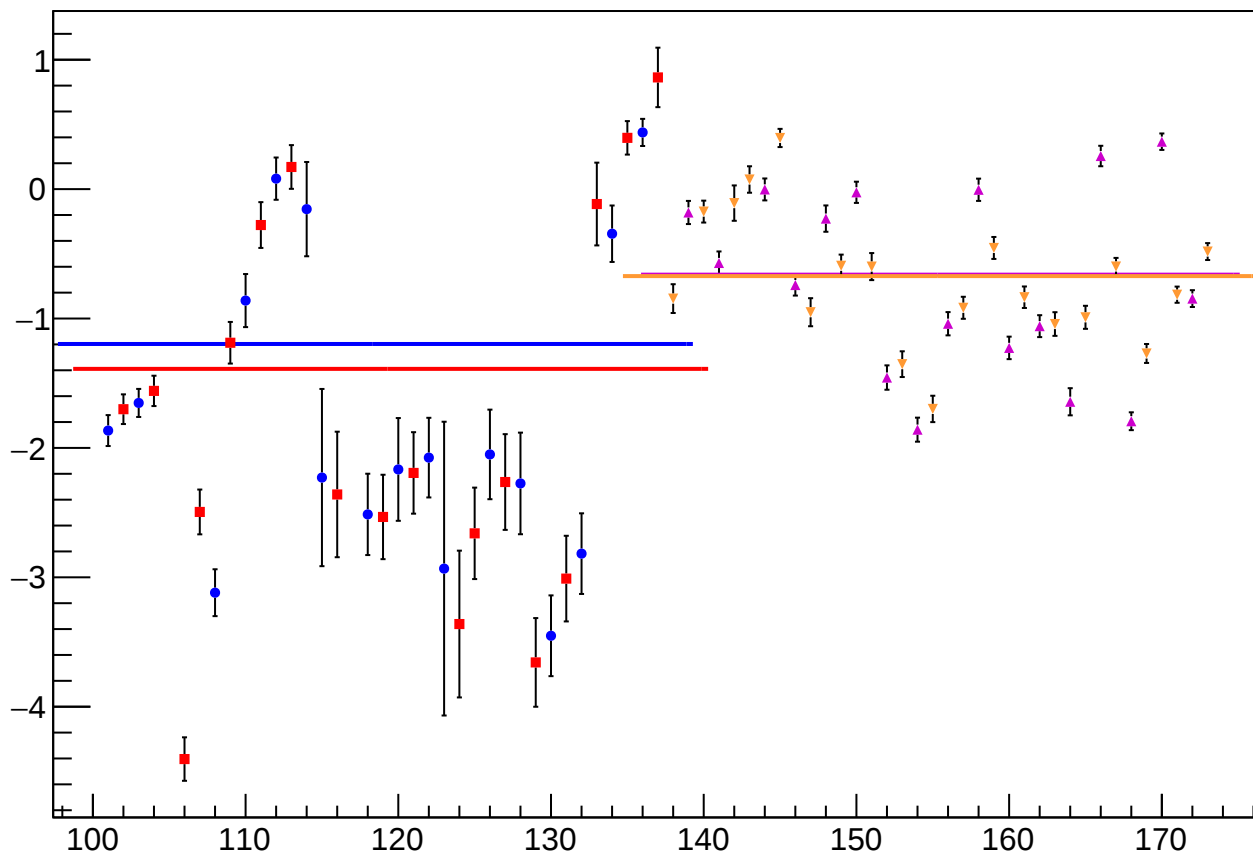
All: -110.289 ± 0.336 $\chi^2/\text{NDF}: 8482.5/70$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: 189.528 ± 0.302 $\chi^2/\text{NDF}: 3946.3/35$
 Right: 181.565 ± 0.651 $\chi^2/\text{NDF}: 11576.9/34$
 In: 187.051 ± 0.394 $\chi^2/\text{NDF}: 7162.8/33$
 Out: 189.115 ± 0.382 $\chi^2/\text{NDF}: 8469.4/36$
 All: 188.116 ± 0.274 $\chi^2/\text{NDF}: 15646.4/70$

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.197 ± 0.048 χ^2/NDF : 621.5/16

Left Out: -0.672 ± 0.019 χ^2/NDF : 623.6/18

Right Out: -1.389 ± 0.046 χ^2/NDF : 922.2/17

Left In: -0.661 ± 0.020 χ^2/NDF : 1309.6/16

Left: -0.667 ± 0.014 χ^2/NDF : 1933.4/35

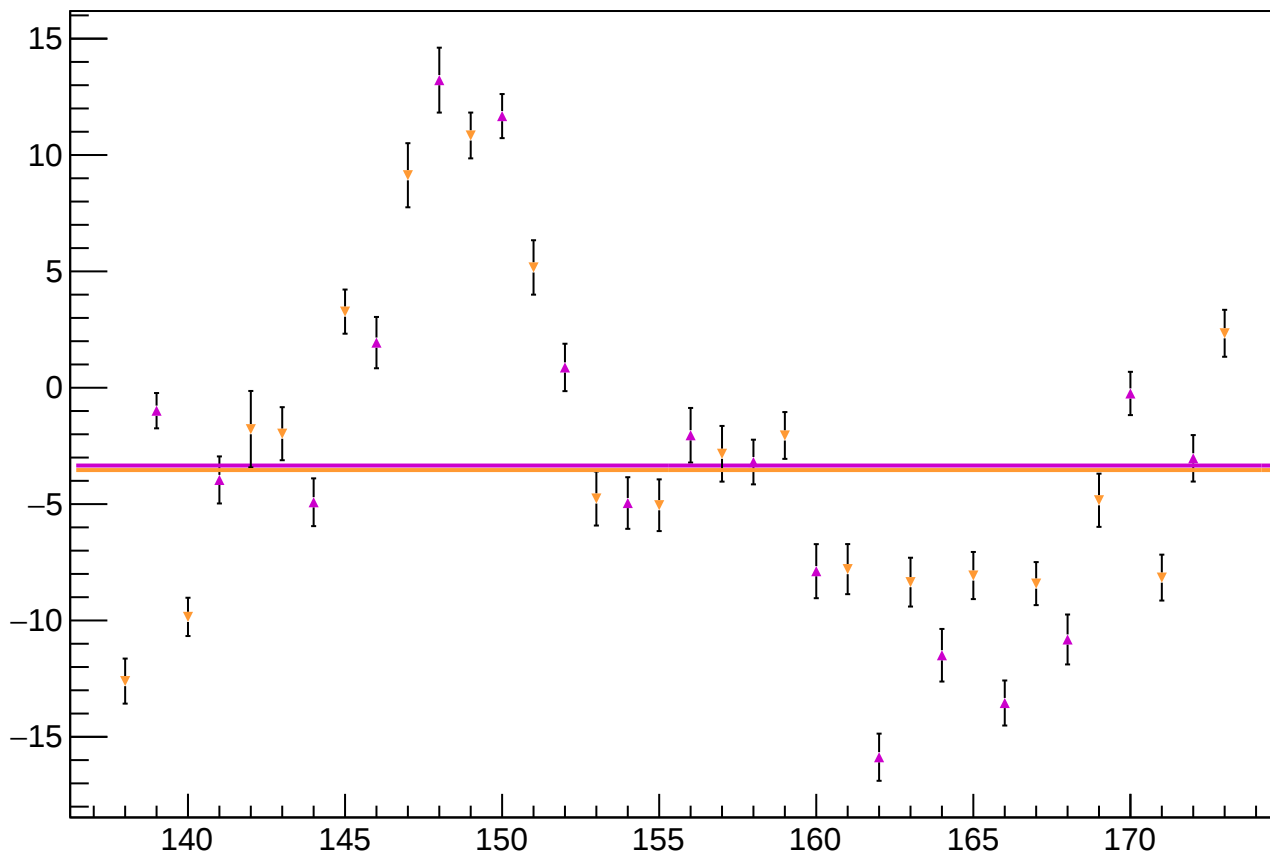
Right: -1.297 ± 0.033 χ^2/NDF : 1552.0/34

In: -0.740 ± 0.018 χ^2/NDF : 2036.8/33

Out: -0.780 ± 0.018 χ^2/NDF : 1751.4/36

All: -0.761 ± 0.013 χ^2/NDF : 3790.6/70

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.538 $\pm$ 0.242 χ^2 /NDF:701.8/18

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

Left In: -3.343 $\pm$ 0.248 χ^2 /NDF:839.3/16

Left: -3.442 $\pm$ 0.173 χ^2 /NDF: 1541.4/35

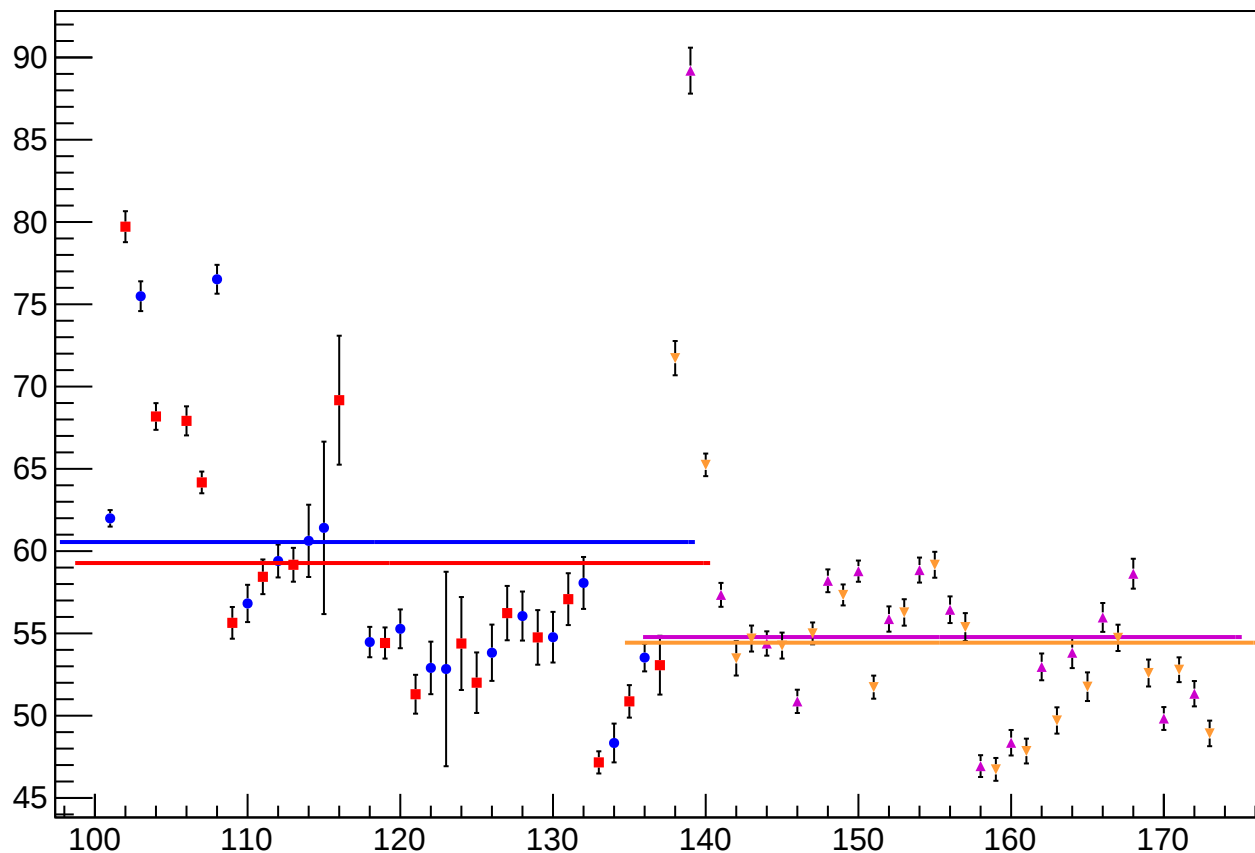
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -3.343 $\pm$ 0.248 χ^2 /NDF:839.3/16

Out: -3.538 $\pm$ 0.242 χ^2 /NDF:701.8/18

All: -3.442 $\pm$ 0.173 χ^2 /NDF: 1541.4/35

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.552 $\pm$ 0.262 χ^2/NDF : 931.0/16

Left Out: 54.436 $\pm$ 0.178 χ^2/NDF :907.9/18

Right Out: 59.276 $\pm$ 0.249 χ^2/NDF : 1274.8/17

Left In: 54.779 $\pm$ 0.187 χ^2/NDF :1054.1/16

Left: 54.598 $\pm$ 0.129 χ^2/NDF : 1963.7/35

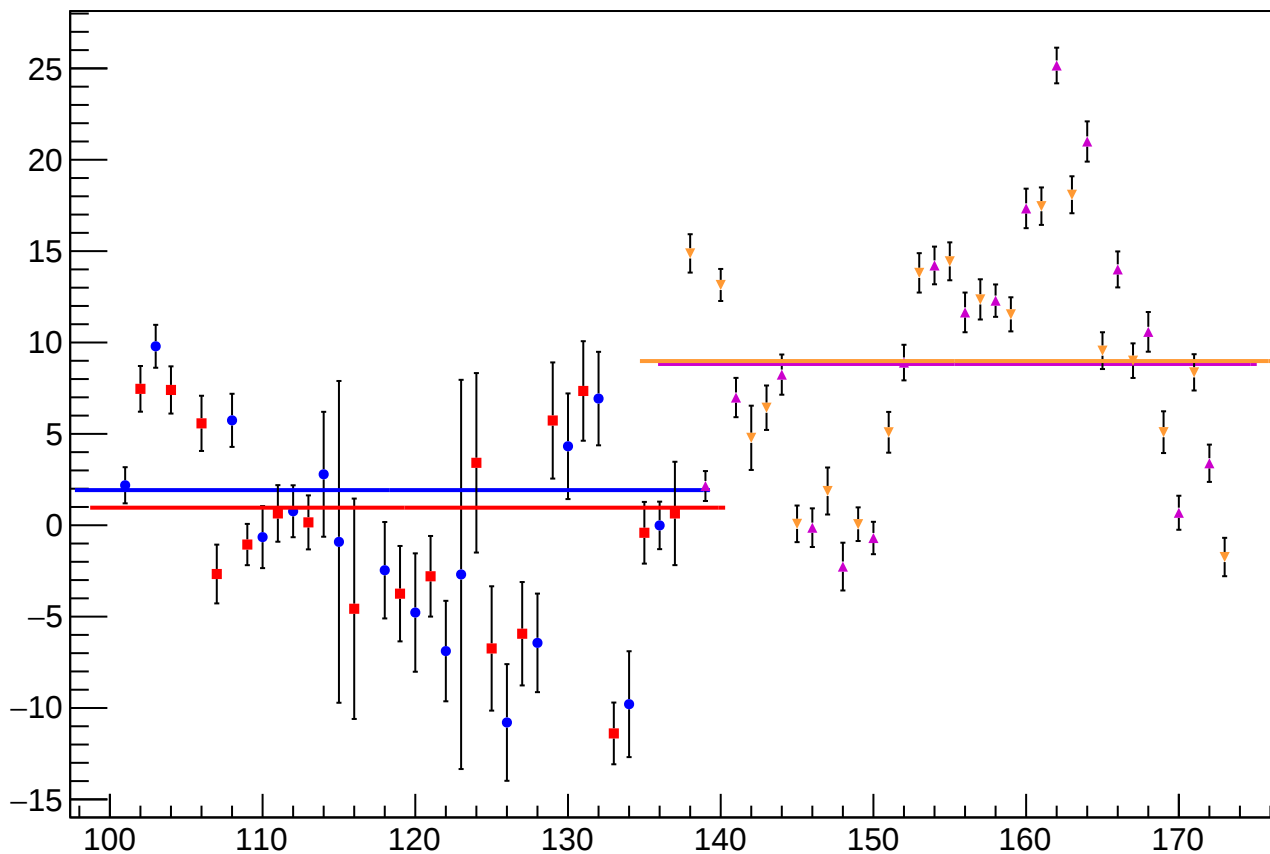
Right: 59.882 $\pm$ 0.180 χ^2/NDF : 2218.3/34

In: 56.732 $\pm$ 0.152 χ^2/NDF :2306.9/33

Out: 56.070 $\pm$ 0.145 χ^2/NDF :2433.2/36

All: 56.384 $\pm$ 0.105 χ^2/NDF : 4750.1/70

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.923 ± 0.458 χ^2/NDF : 121.1/16

Left Out: 8.984 ± 0.241 χ^2/NDF : 610.4/18

Right Out: 0.962 ± 0.430 χ^2/NDF : 150.1/17

Left In: 8.825 ± 0.244 χ^2/NDF : 977.7/16

Left: 8.906 ± 0.171 χ^2/NDF : 1588.4/35

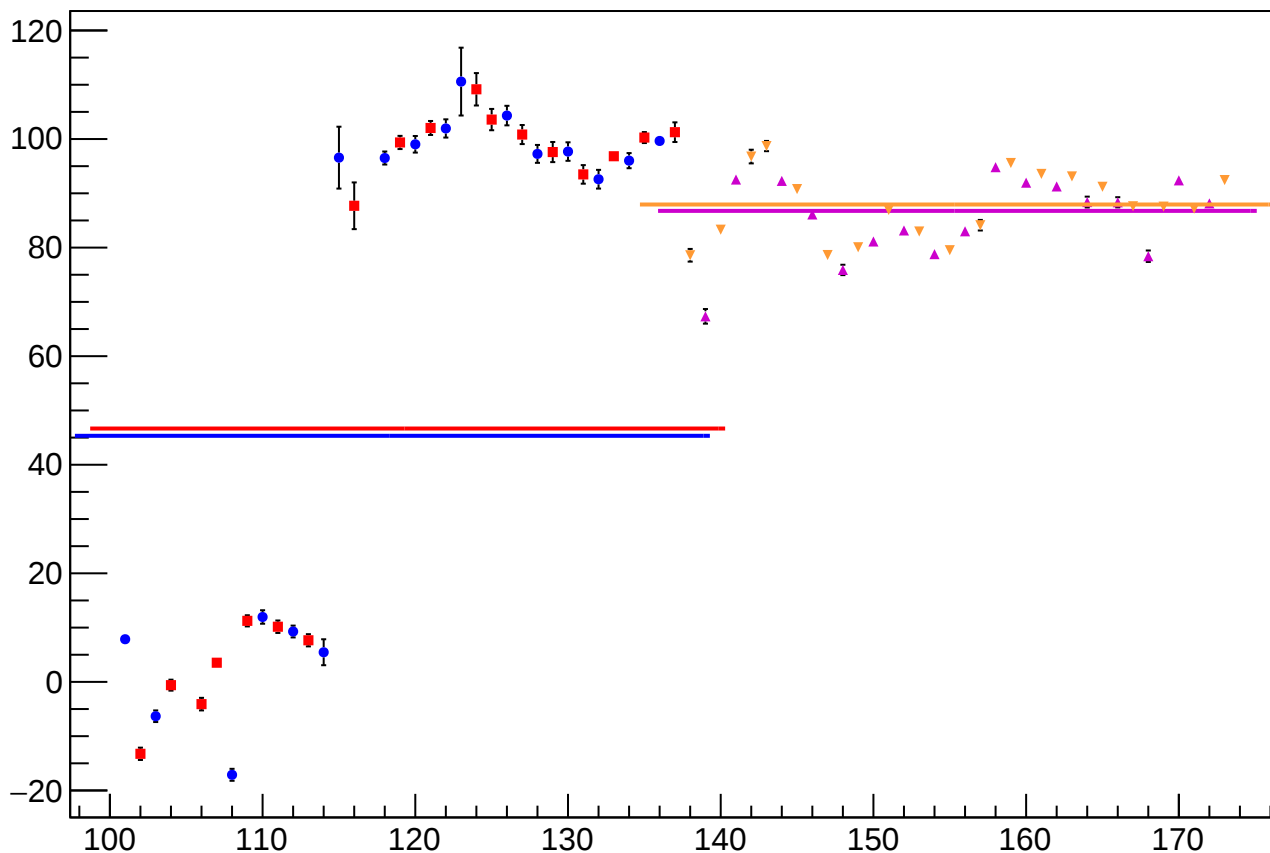
Right: 1.411 ± 0.313 χ^2/NDF : 273.5/34

In: 7.299 ± 0.215 χ^2/NDF : 1275.5/33

Out: 7.069 ± 0.210 χ^2/NDF : 1025.9/36

All: 7.181 ± 0.150 χ^2/NDF : 2302.0/70

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.331 ± 0.304 χ^2/NDF : 25006.9/16

Left Out: 87.939 ± 0.203 χ^2/NDF : 868.6/18

Right Out: 46.673 ± 0.291 χ^2/NDF : 27896.8/17

Left In: 86.765 ± 0.212 χ^2/NDF : 920.4/16

Left: 87.378 ± 0.147 χ^2/NDF : 1804.9/35

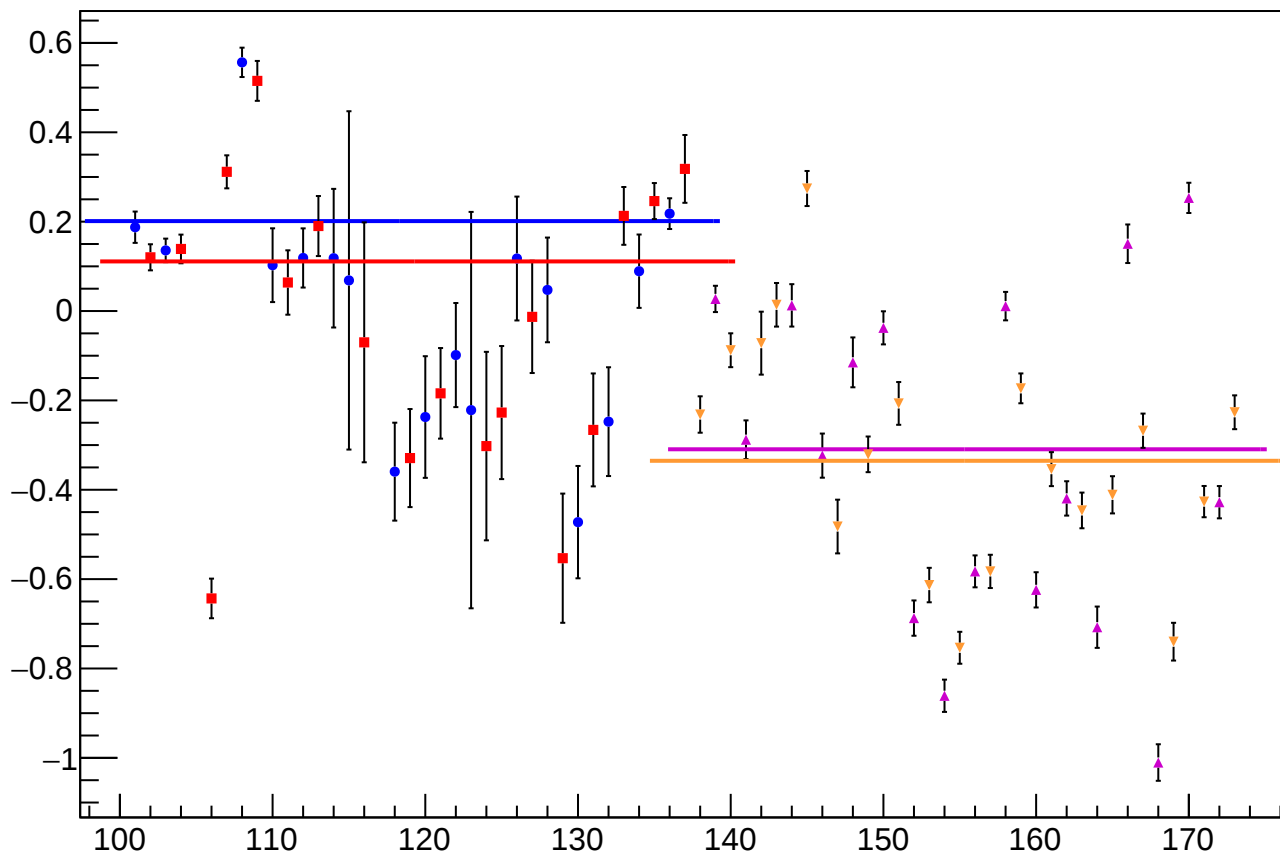
Right: 46.031 ± 0.210 χ^2/NDF : 52913.9/34

In: 73.141 ± 0.174 χ^2/NDF : 38428.6/33

Out: 74.406 ± 0.167 χ^2/NDF : 42302.2/36

All: 73.802 ± 0.120 χ^2/NDF : 80758.4/70

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 217.3/16

Left Out: -0.335 ± 0.009 χ^2/NDF : 747.0/18

Right Out: 0.111 ± 0.013 χ^2/NDF : 489.6/17

Left In: -0.309 ± 0.009 χ^2/NDF : 1568.6/16

Left: -0.322 ± 0.007 χ^2/NDF : 2319.4/35

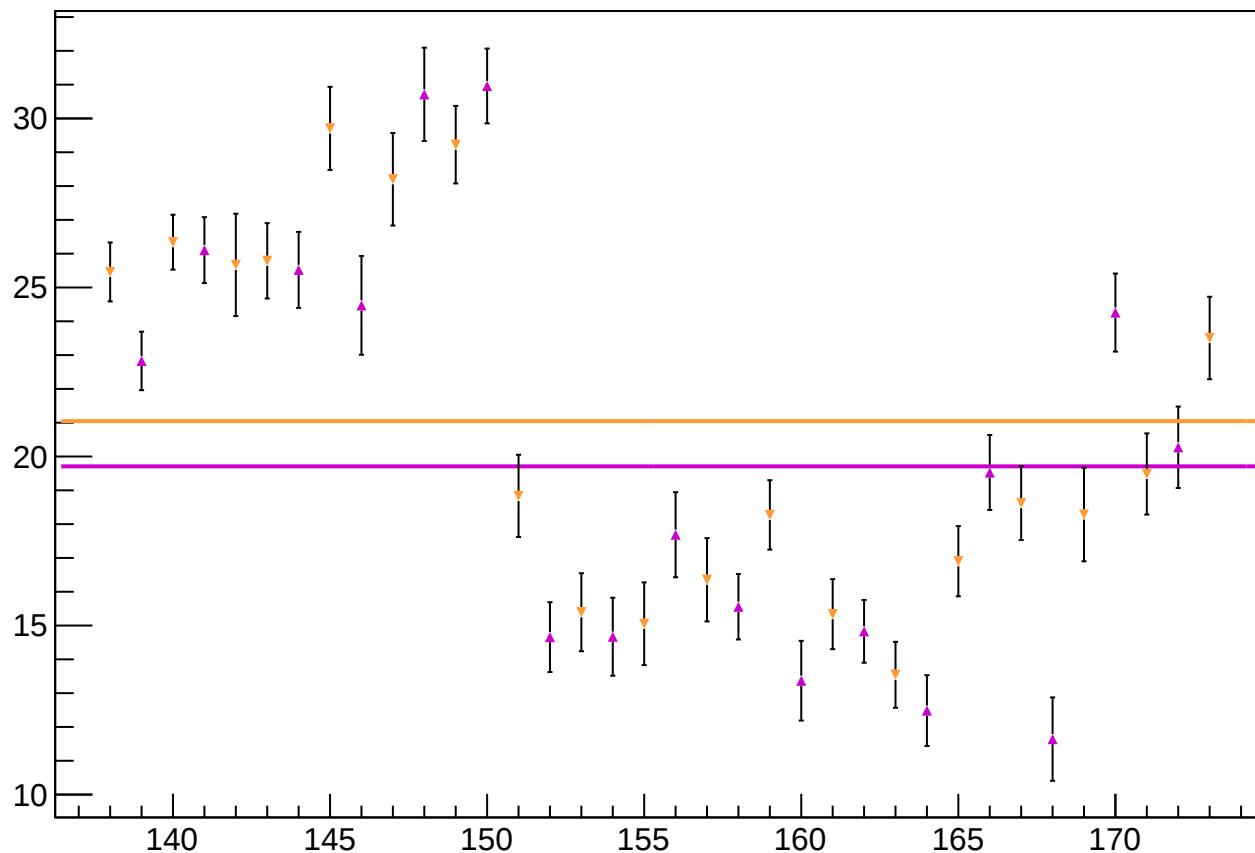
Right: 0.153 ± 0.010 χ^2/NDF : 728.8/34

In: -0.152 ± 0.008 χ^2/NDF : 2699.7/33

Out: -0.187 ± 0.008 χ^2/NDF : 2004.0/36

All: -0.170 ± 0.005 χ^2/NDF : 4714.6/70

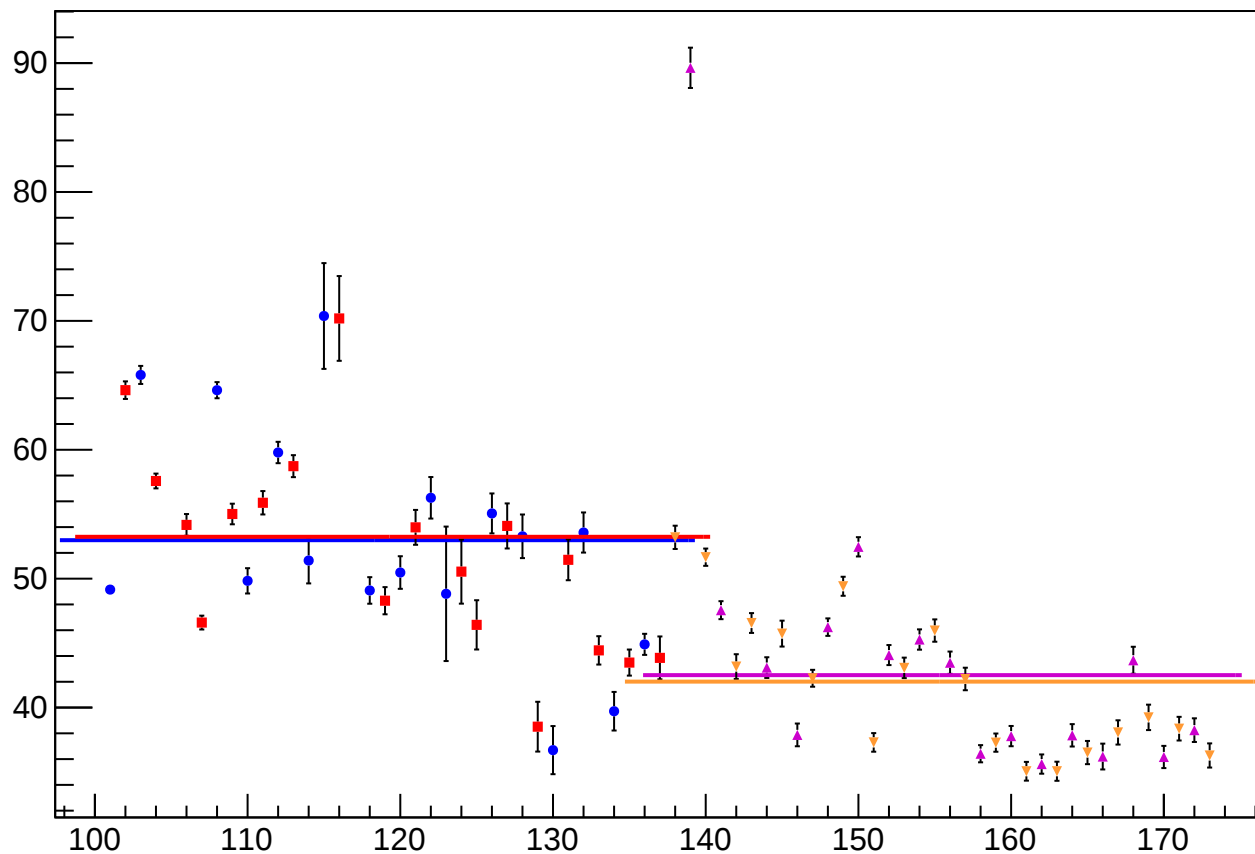
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.048 $\pm$ 0.255 χ^2 /NDF:416.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.709 $\pm$ 0.266 χ^2 /NDF:487.2/16

Left: 20.407 $\pm$ 0.184 χ^2 /NDF: 916.9/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.709 $\pm$ 0.266 χ^2 /NDF:487.2/16
 Out: 21.048 $\pm$ 0.255 χ^2 /NDF:416.5/18
 All: 20.407 $\pm$ 0.184 χ^2 /NDF: 916.9/35

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.985 $\pm$ 0.210 χ^2 /NDF: 1197.9/16

Left Out: 42.012 $\pm$ 0.186 χ^2 /NDF: 917.6/18

Right Out: 53.248 $\pm$ 0.227 χ^2 /NDF: 856.4/17

Left In: 42.515 $\pm$ 0.199 χ^2 /NDF: 1564.4/16

Left: 42.247 $\pm$ 0.136 χ^2 /NDF: 2485.5/35

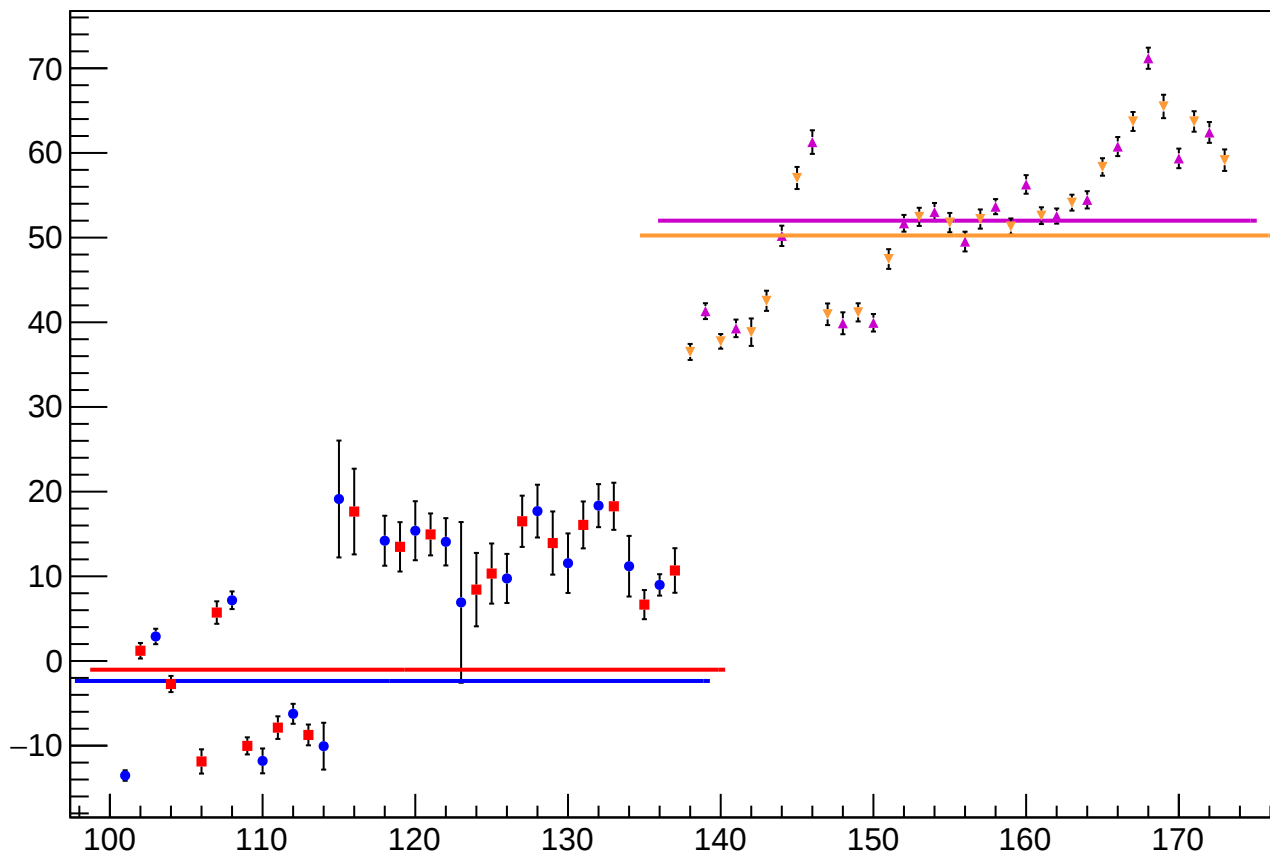
Right: 53.106 $\pm$ 0.154 χ^2 /NDF: 2055.0/34

In: 47.457 $\pm$ 0.144 χ^2 /NDF: 4070.9/33

Out: 46.513 $\pm$ 0.144 χ^2 /NDF: 3237.7/36

All: 46.983 $\pm$ 0.102 χ^2 /NDF: 7330.1/70

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.360 ± 0.364 χ^2/NDF : 837.7/16

Left Out: 50.252 ± 0.253 χ^2/NDF : 1204.0/18

Right Out: -1.028 ± 0.380 χ^2/NDF : 507.8/17

Left In: 52.000 ± 0.262 χ^2/NDF : 989.5/16

Left: 51.097 ± 0.182 χ^2/NDF : 2216.5/35

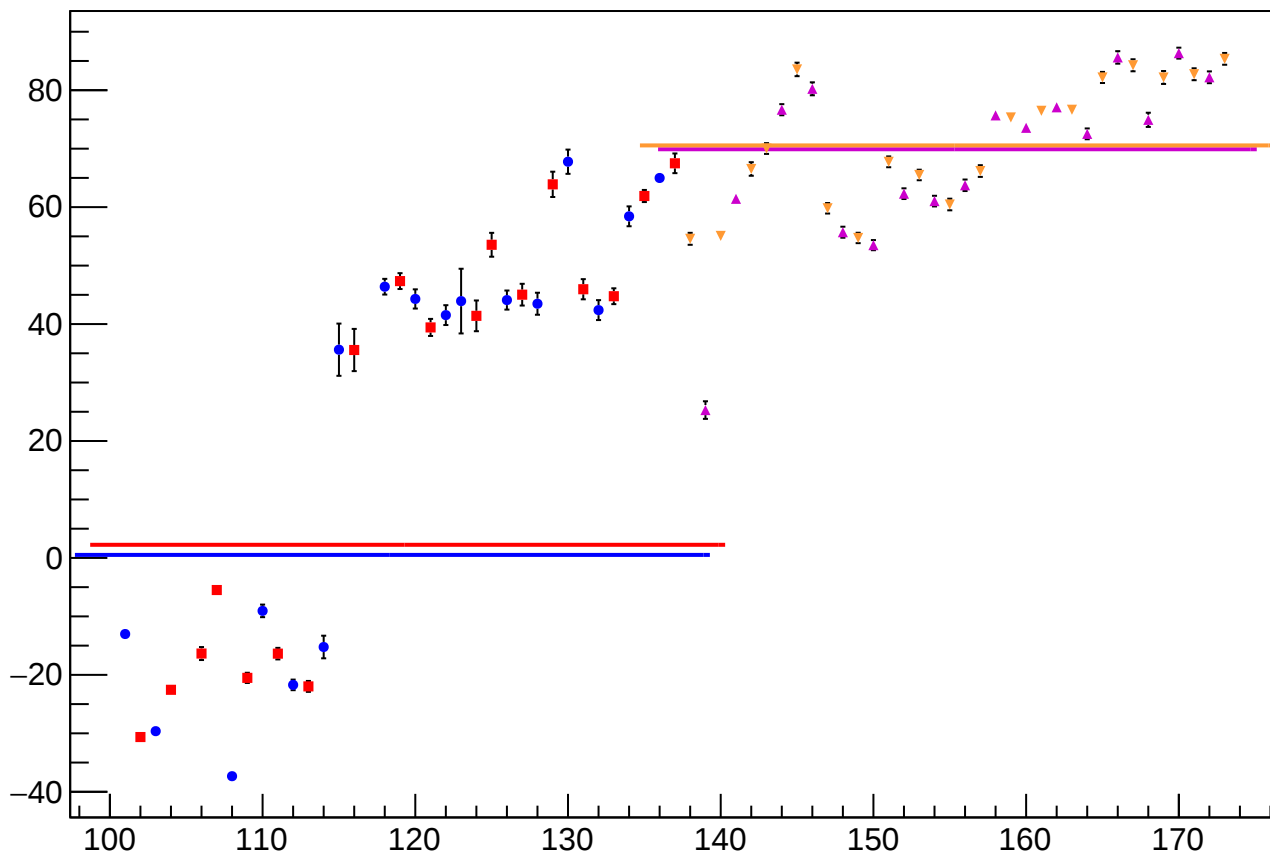
Right: -1.723 ± 0.263 χ^2/NDF : 1351.9/34

In: 33.463 ± 0.213 χ^2/NDF : 16513.9/33

Out: 34.492 ± 0.211 χ^2/NDF : 14309.2/36

All: 33.982 ± 0.150 χ^2/NDF : 30834.9/70

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.518 ± 0.247 χ^2/NDF : 18386.0/16

Left Out: 70.557 ± 0.213 χ^2/NDF : 2327.7/18

Right Out: 2.246 ± 0.267 χ^2/NDF : 15377.0/17

Left In: 69.899 ± 0.226 χ^2/NDF : 2774.7/16

Left: 70.247 ± 0.155 χ^2/NDF : 5106.9/35

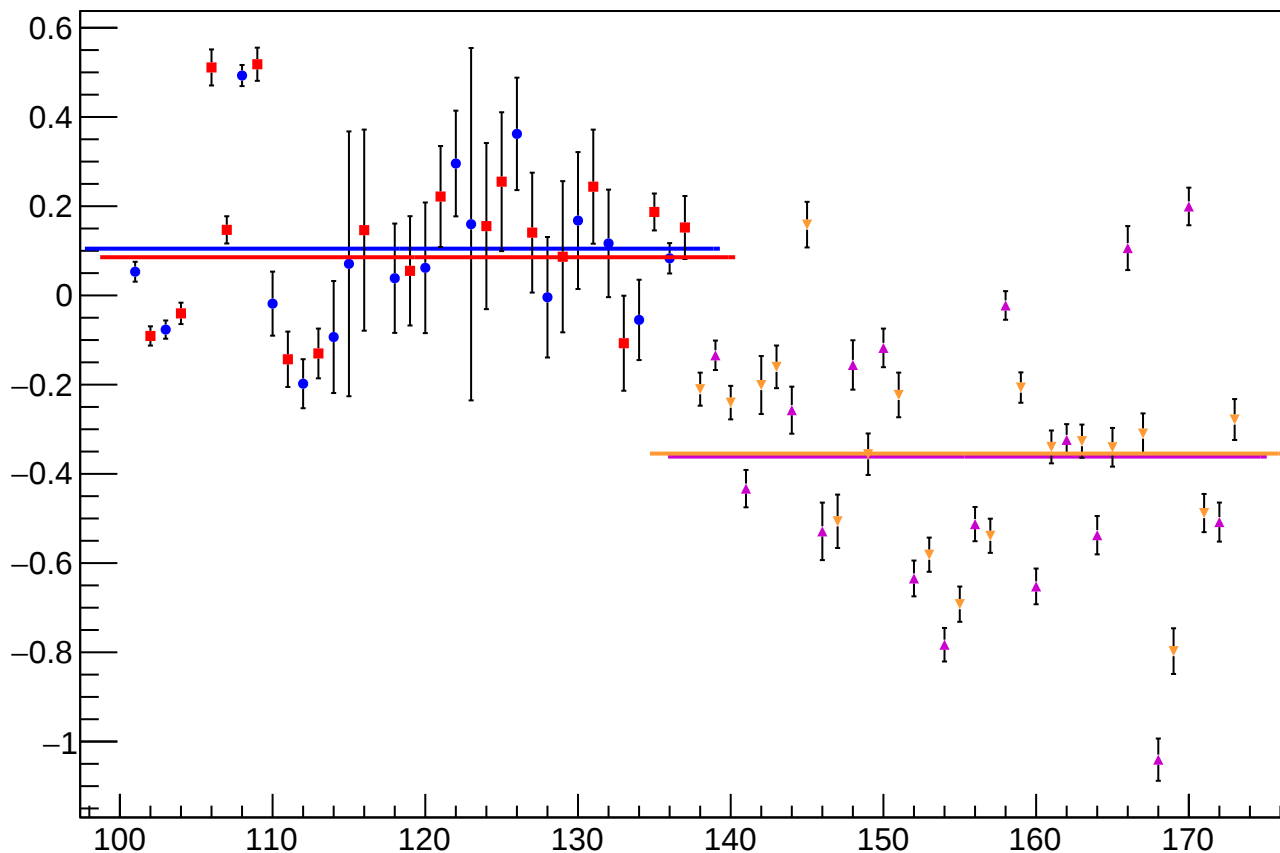
Right: 1.313 ± 0.181 χ^2/NDF : 33785.6/34

In: 38.261 ± 0.167 χ^2/NDF : 64108.2/33

Out: 44.000 ± 0.167 χ^2/NDF : 57592.8/36

All: 41.131 ± 0.118 χ^2/NDF : 122293.4/70

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.355 ± 0.010 $\chi^2/\text{NDF}: 399.7/18$

Right Out: 0.086 ± 0.011 $\chi^2/\text{NDF}: 388.3/17$

Left In: -0.361 ± 0.010 $\chi^2/\text{NDF}: 960.2/16$

Left: -0.358 ± 0.007 $\chi^2/\text{NDF}: 1360.1/35$

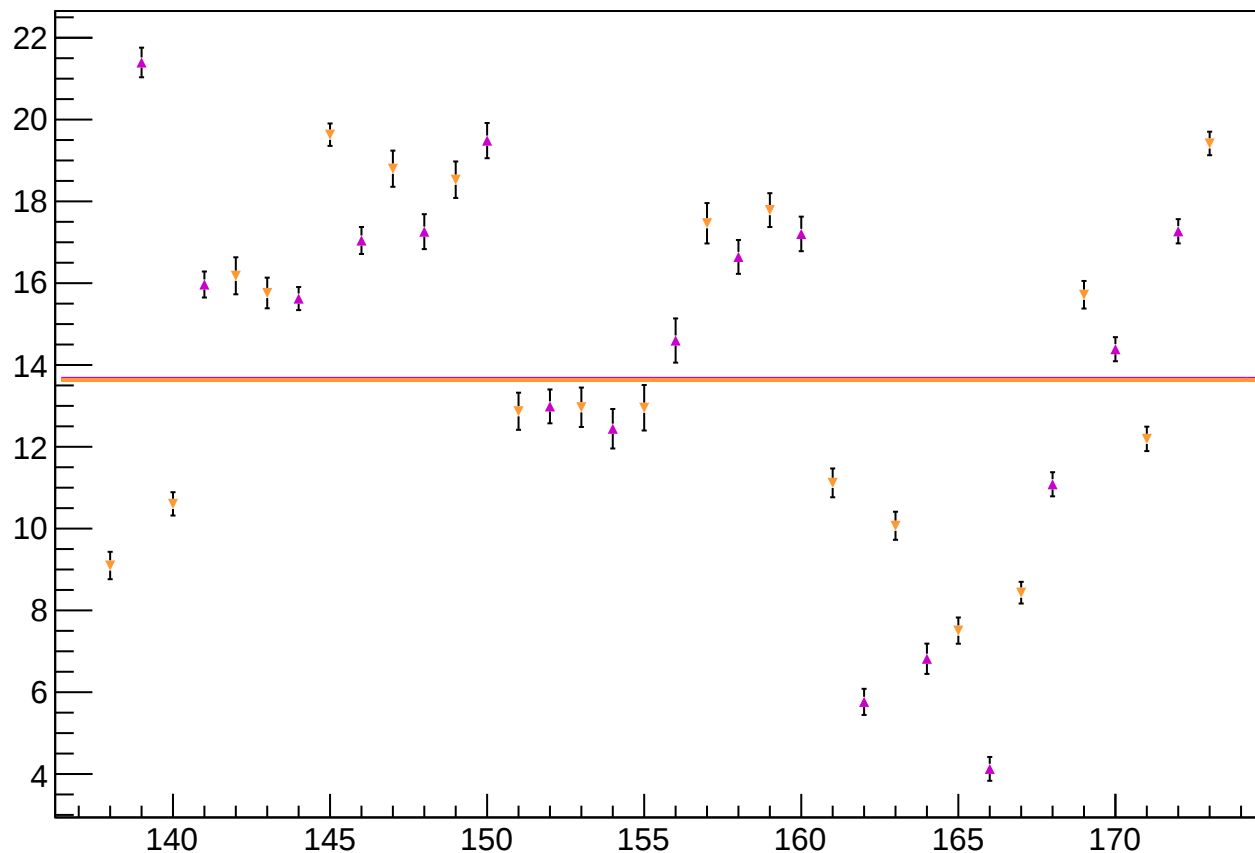
Right: 0.095 ± 0.008 $\chi^2/\text{NDF}: 790.6/34$

In: -0.149 ± 0.007 $\chi^2/\text{NDF}: 2333.1/33$

Out: -0.161 ± 0.007 $\chi^2/\text{NDF}: 1671.9/36$

All: -0.155 ± 0.005 $\chi^2/\text{NDF}: 4006.3/70$

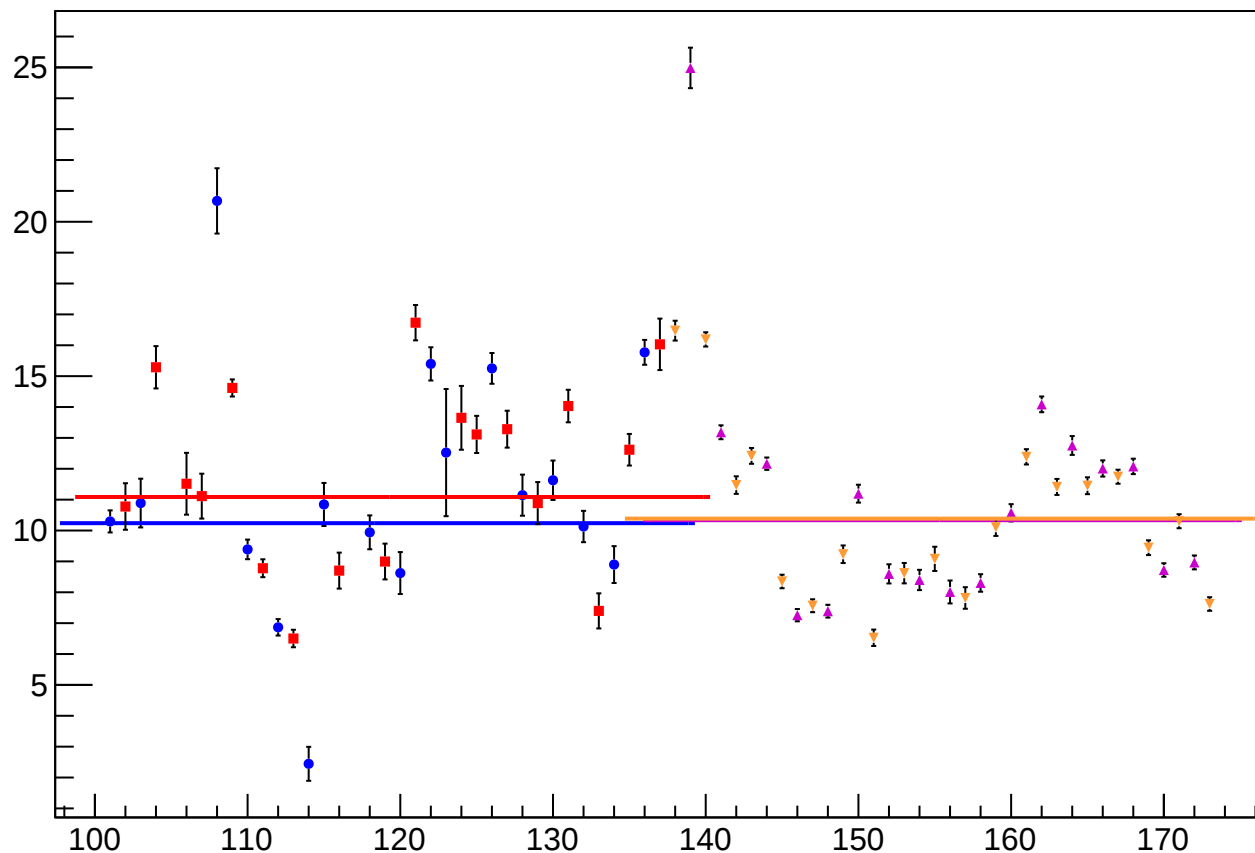
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 13.632+/-0.081 χ^2/NDF :2638.3/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 13.662+/-0.085 χ^2/NDF :3306.3/16

Left: 13.646+/-0.059 χ^2/NDF : 5944.7/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 13.662+/-0.085 χ^2/NDF :3306.3/16
 Out: 13.632+/-0.081 χ^2/NDF :2638.3/18
 All: 13.646+/-0.059 χ^2/NDF : 5944.7/35

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.238 $\pm$ 0.119 χ^2 /NDF: 867.4/16

Left Out: 10.385 $\pm$ 0.059 χ^2 /NDF:1959.8/18

Right Out: 11.087 $\pm$ 0.116 χ^2 /NDF: 801.0/17

Left In: 10.335 $\pm$ 0.062 χ^2 /NDF:1808.7/16

Left: 10.361 $\pm$ 0.043 χ^2 /NDF: 3768.8/35

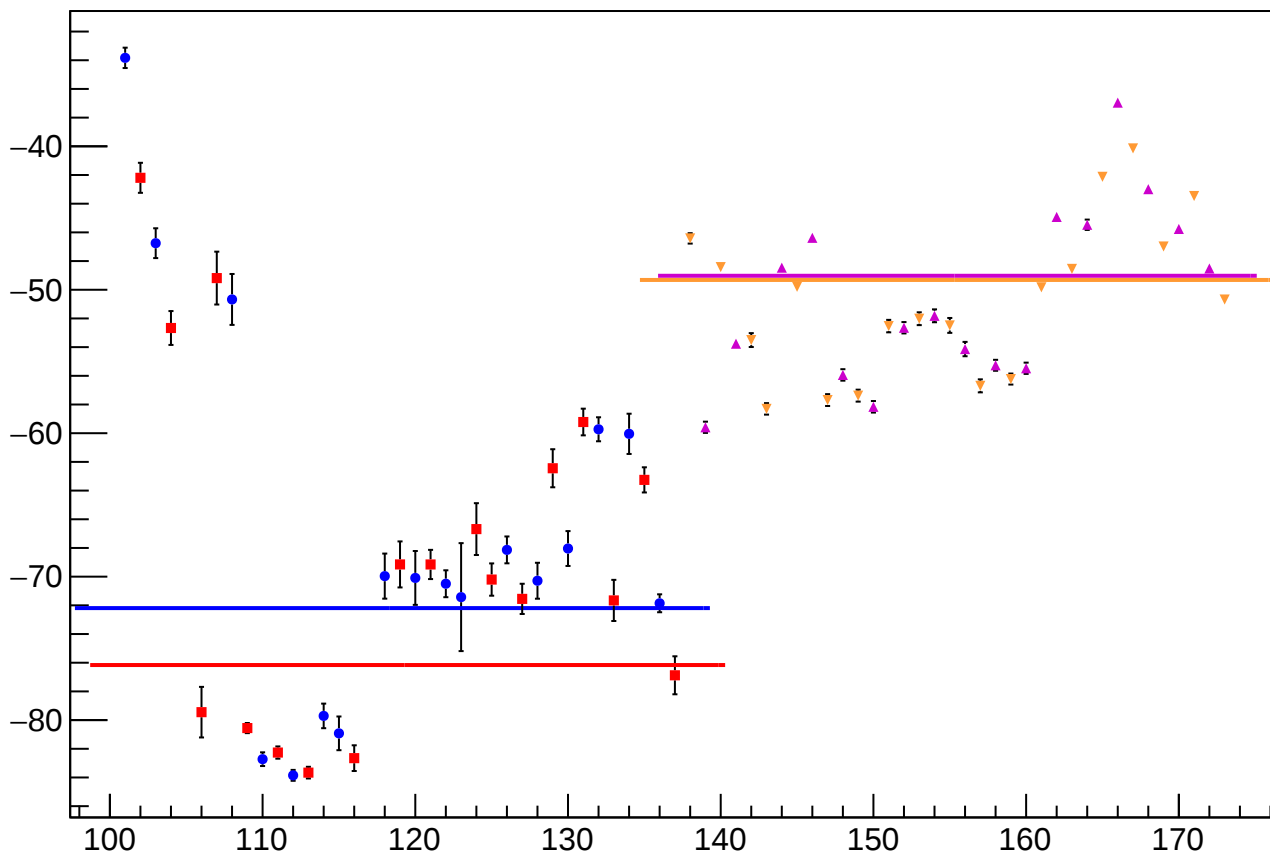
Right: 10.672 $\pm$ 0.083 χ^2 /NDF: 1694.4/34

In: 10.314 $\pm$ 0.055 χ^2 /NDF:2676.6/33

Out: 10.530 $\pm$ 0.053 χ^2 /NDF:2789.6/36

All: 10.427 $\pm$ 0.038 χ^2 /NDF: 5474.1/70

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.192 ± 0.198 $\chi^2/\text{NDF}: 5563.0/16$

Left Out: -49.317 ± 0.082 $\chi^2/\text{NDF}: 4264.9/18$

Right Out: -76.162 ± 0.181 $\chi^2/\text{NDF}: 3223.3/17$

Left In: -49.026 ± 0.084 $\chi^2/\text{NDF}: 5041.3/16$

Left: -49.176 ± 0.059 $\chi^2/\text{NDF}: 9312.3/35$

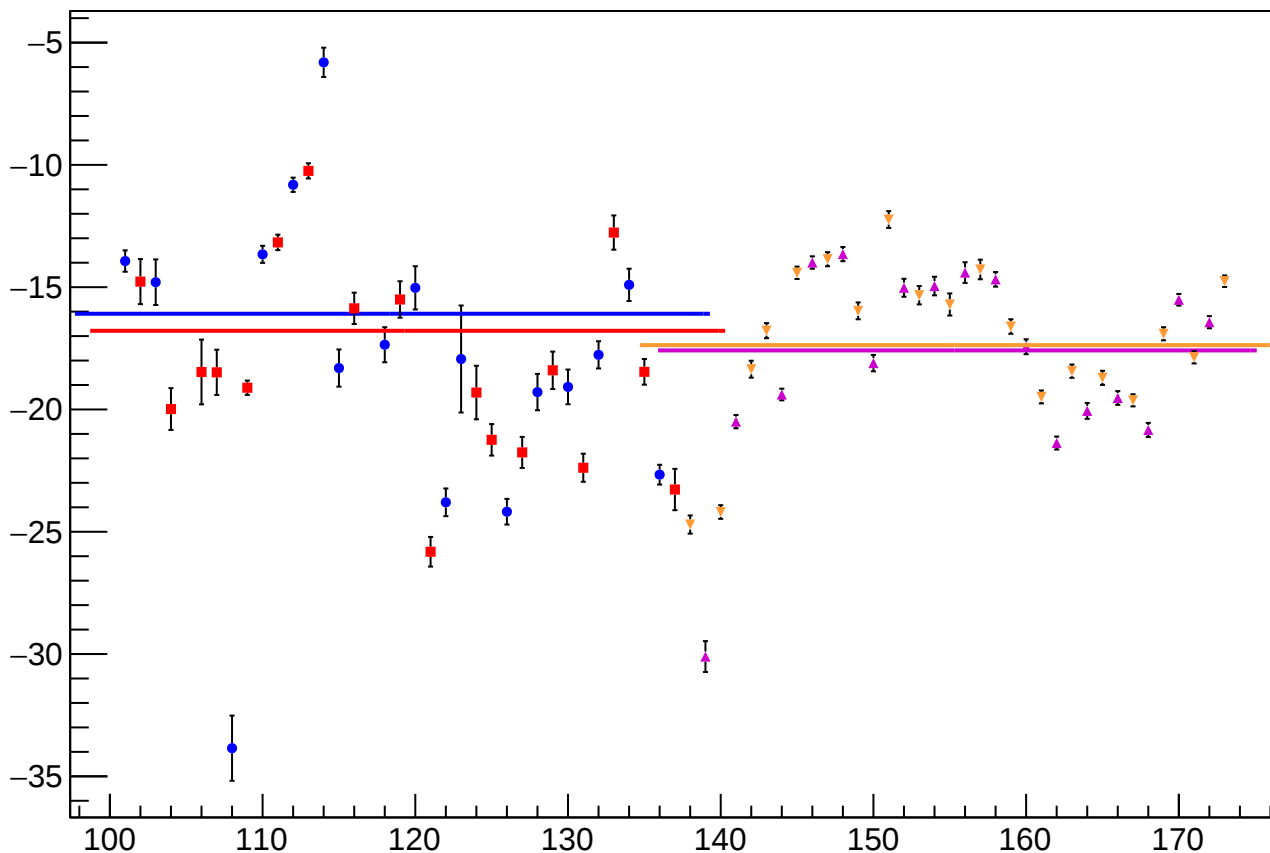
Right: -74.353 ± 0.134 $\chi^2/\text{NDF}: 9004.8/34$

In: -52.580 ± 0.078 $\chi^2/\text{NDF}: 22177.5/33$

Out: -53.839 ± 0.074 $\chi^2/\text{NDF}: 25732.4/36$

All: -53.236 ± 0.054 $\chi^2/\text{NDF}: 48047.0/70$

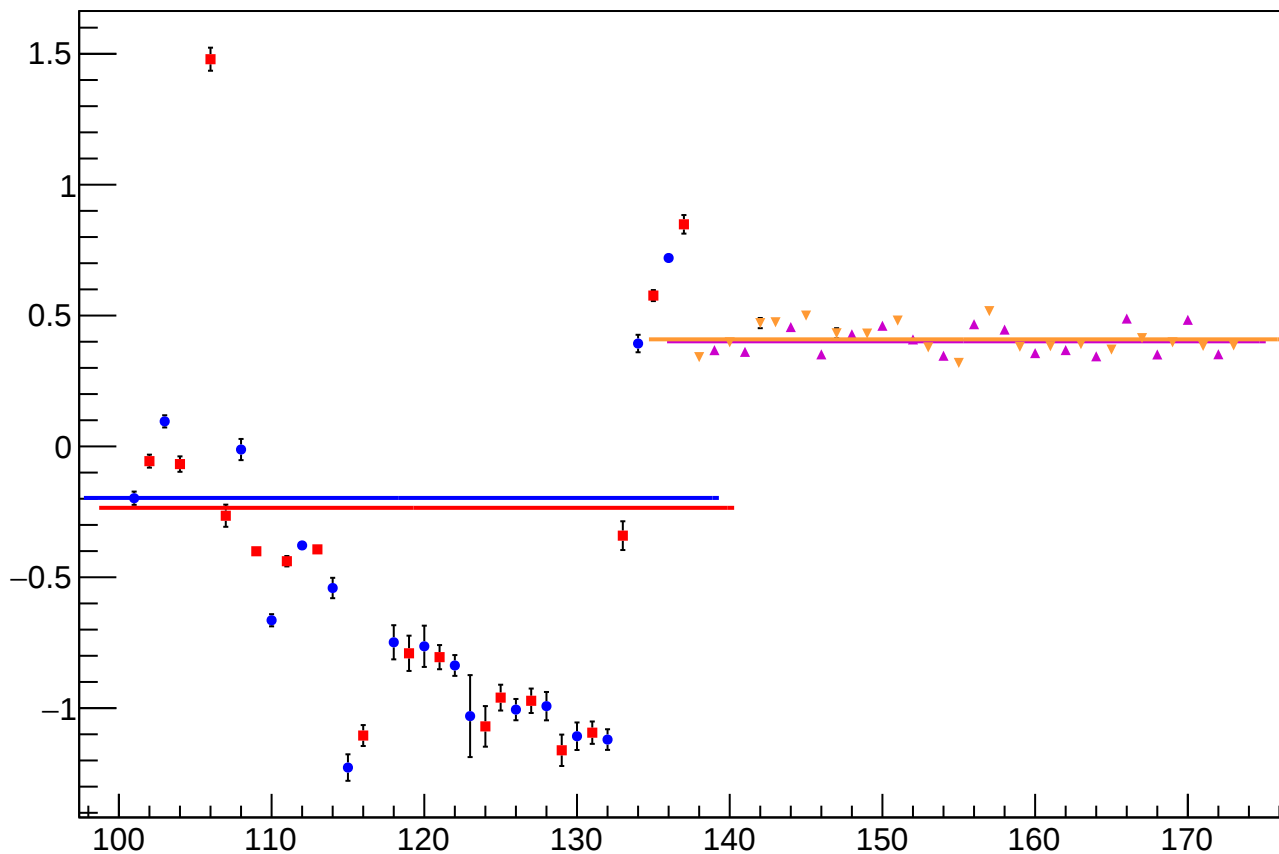
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.087 ± 0.132 $\chi^2/\text{NDF}: 1621.7/16$
 Left Out: -17.370 ± 0.068 $\chi^2/\text{NDF}: 1937.9/18$
 Right Out: -16.783 ± 0.128 $\chi^2/\text{NDF}: 1204.4/17$
 Left In: -17.586 ± 0.072 $\chi^2/\text{NDF}: 1732.3/16$

Left: -17.472 ± 0.049 $\chi^2/\text{NDF}: 3674.9/35$
 Right: -16.446 ± 0.092 $\chi^2/\text{NDF}: 2840.4/34$
 In: -17.245 ± 0.063 $\chi^2/\text{NDF}: 3453.0/33$
 Out: -17.241 ± 0.060 $\chi^2/\text{NDF}: 3158.6/36$
 All: -17.243 ± 0.044 $\chi^2/\text{NDF}: 6611.7/70$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.197 ± 0.008 χ^2/NDF : 6329.9/16

Left Out: 0.409 ± 0.003 χ^2/NDF : 238.7/18

Right Out: -0.235 ± 0.007 χ^2/NDF : 6204.9/17

Left In: 0.402 ± 0.003 χ^2/NDF : 272.3/16

Left: 0.405 ± 0.002 χ^2/NDF : 513.7/35

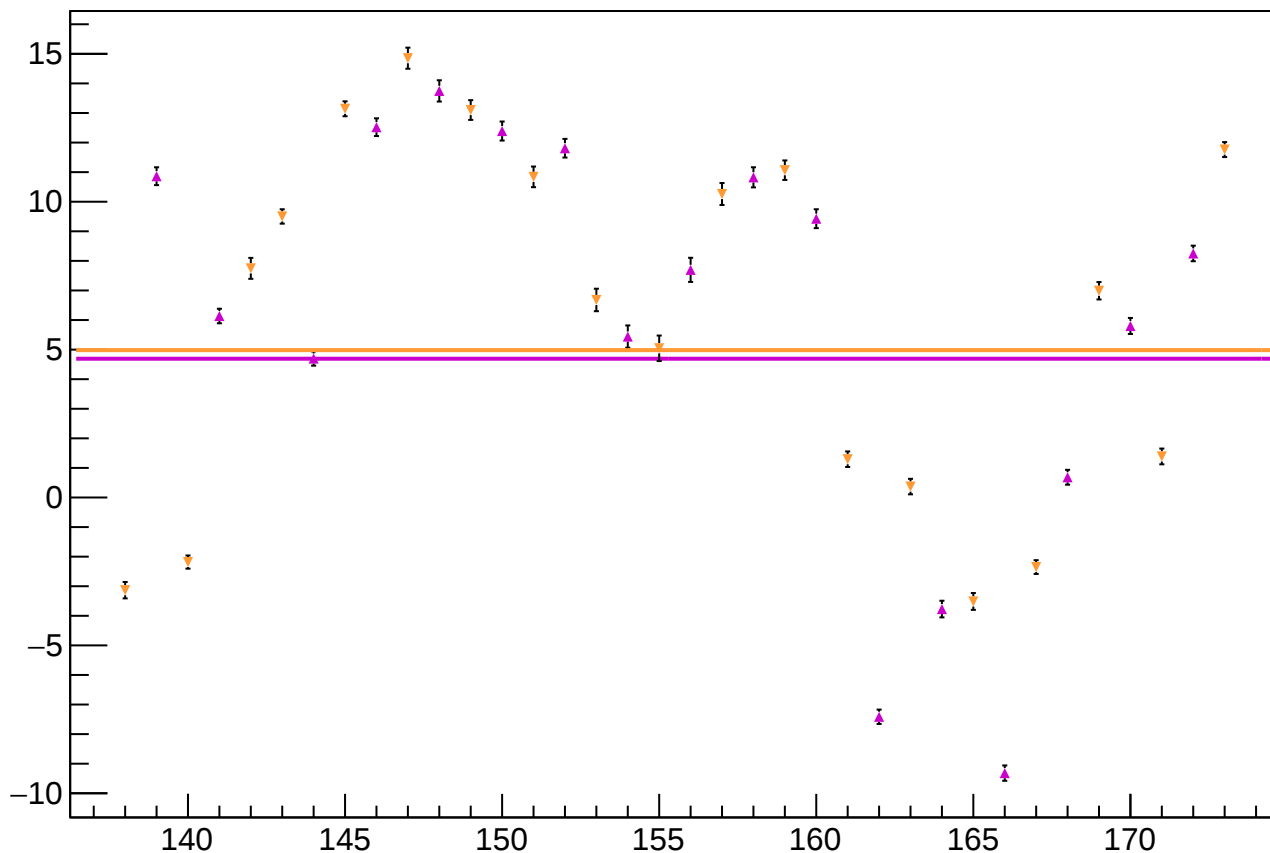
Right: -0.217 ± 0.005 χ^2/NDF : 12547.9/34

In: 0.305 ± 0.003 χ^2/NDF : 11877.0/33

Out: 0.304 ± 0.003 χ^2/NDF : 13160.3/36

All: 0.305 ± 0.002 χ^2/NDF : 25037.3/70

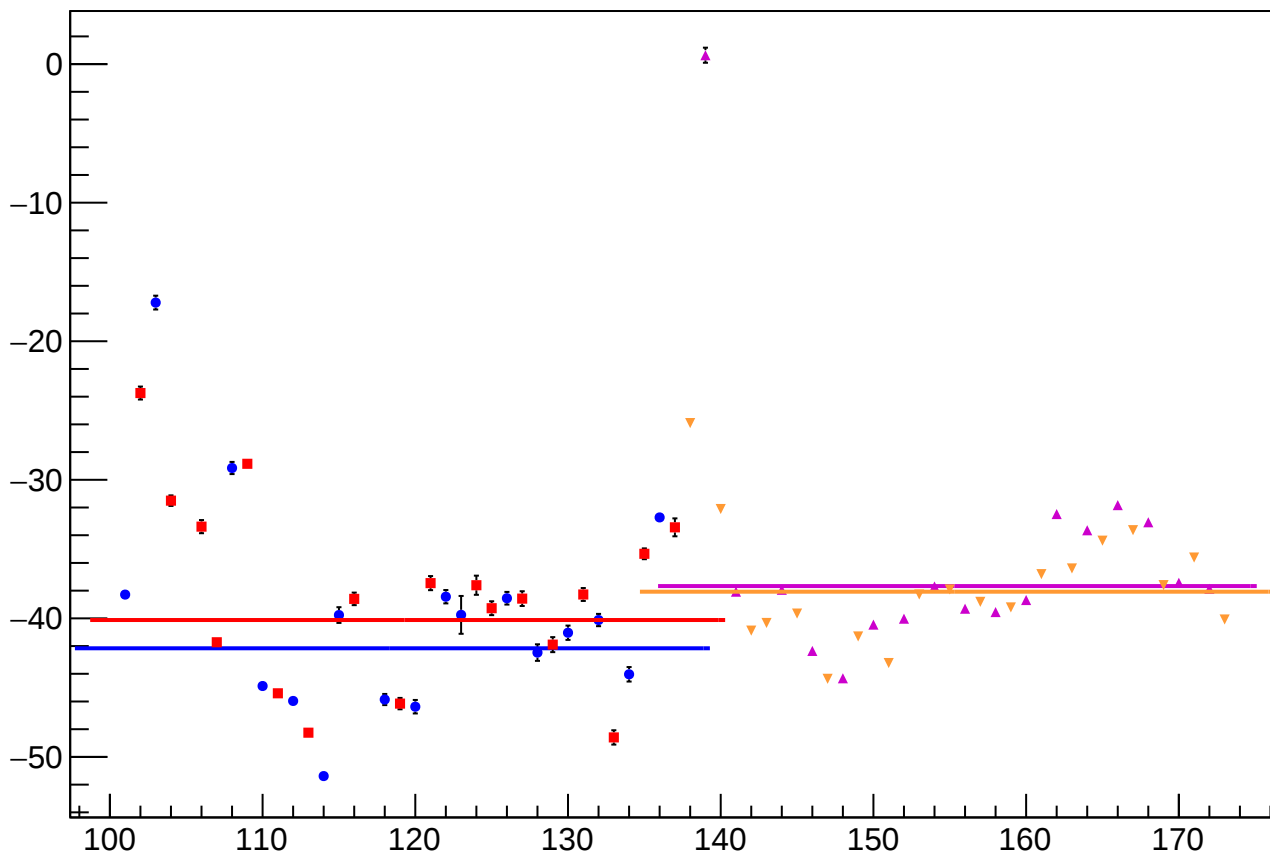
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.983+/-0.066 χ^2/NDF :8879.6/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.692+/-0.070 χ^2/NDF :10214.5/16

Left: 4.846+/-0.048 χ^2/NDF : 19103.2/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.692+/-0.070 χ^2/NDF :10214.5/16
 Out: 4.983+/-0.066 χ^2/NDF :8879.6/18
 All: 4.846+/-0.048 χ^2/NDF : 19103.2/35

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.160 ± 0.078 $\chi^2/\text{NDF}: 6570.6/16$

Left Out: -38.076 ± 0.048 $\chi^2/\text{NDF}: 6885.8/18$

Right Out: -40.120 ± 0.073 $\chi^2/\text{NDF}: 10884.6/17$

Left In: -37.669 ± 0.052 $\chi^2/\text{NDF}: 9513.8/16$

Left: -37.888 ± 0.035 $\chi^2/\text{NDF}: 16432.8/35$

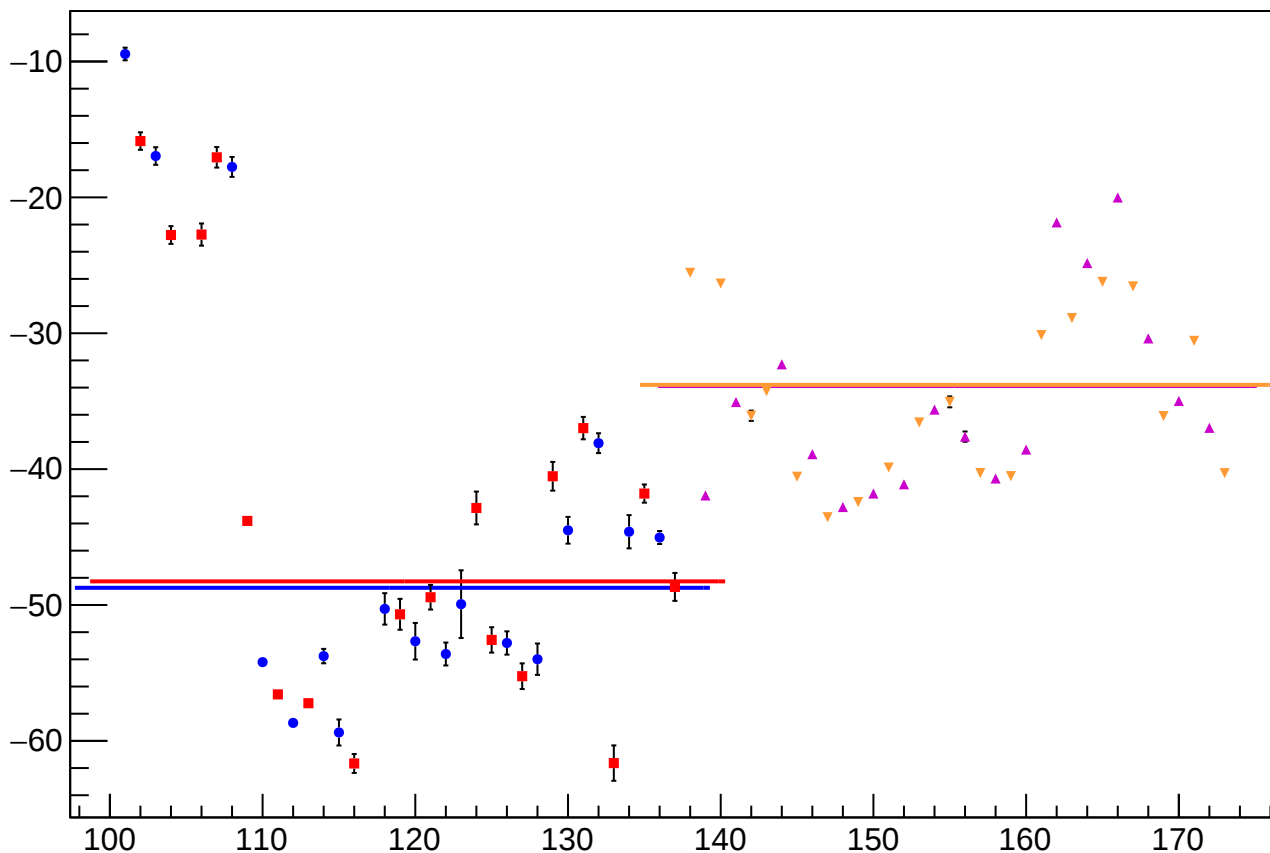
Right: -41.071 ± 0.053 $\chi^2/\text{NDF}: 17821.0/34$

In: -39.043 ± 0.043 $\chi^2/\text{NDF}: 18390.2/33$

Out: -38.695 ± 0.040 $\chi^2/\text{NDF}: 18318.9/36$

All: -38.857 ± 0.029 $\chi^2/\text{NDF}: 36744.0/70$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.733 ± 0.125 $\chi^2/\text{NDF}: 14659.4/16$

Left Out: -33.799 ± 0.066 $\chi^2/\text{NDF}: 8326.2/18$

Right Out: -48.261 ± 0.107 $\chi^2/\text{NDF}: 11091.7/17$

Left In: -33.884 ± 0.069 $\chi^2/\text{NDF}: 10610.5/16$

Left: -33.840 ± 0.048 $\chi^2/\text{NDF}: 18937.5/35$

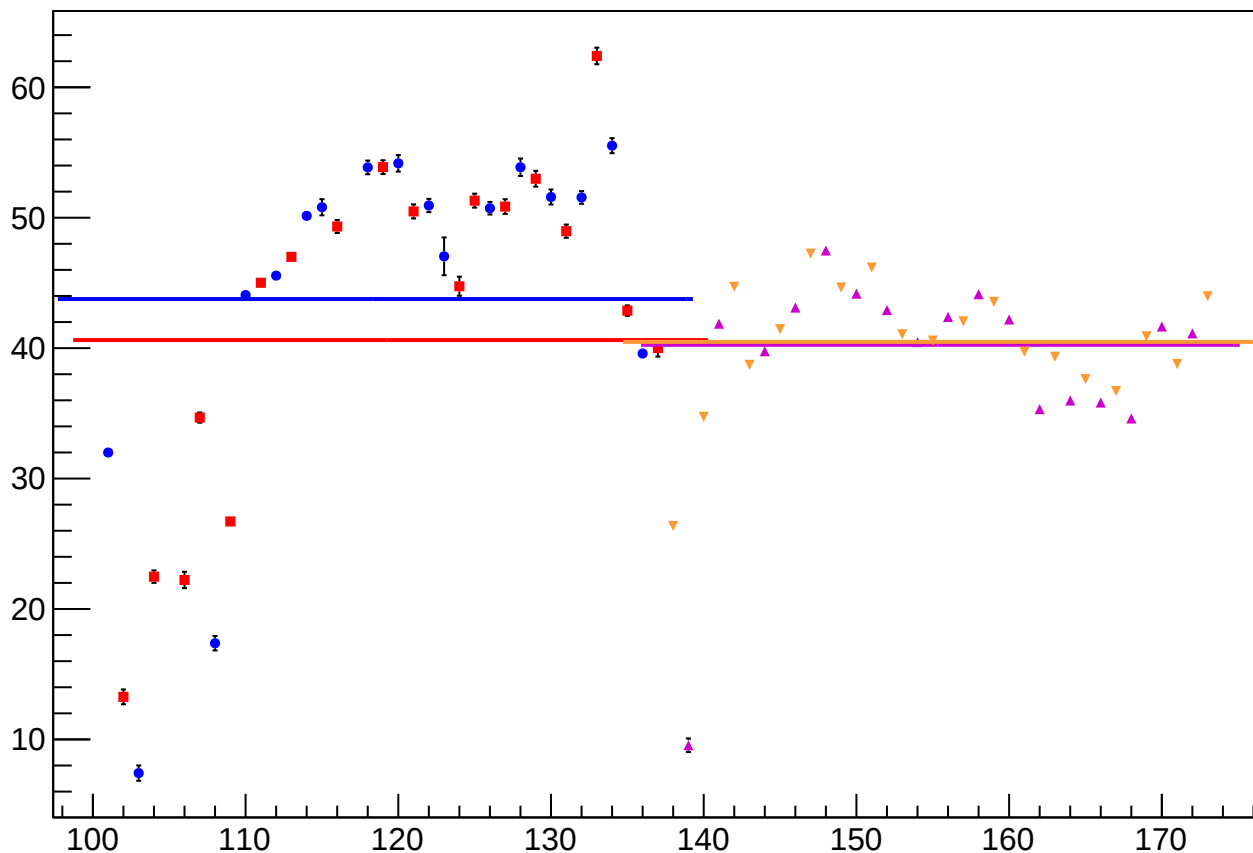
Right: -48.462 ± 0.081 $\chi^2/\text{NDF}: 25759.4/34$

In: -37.400 ± 0.061 $\chi^2/\text{NDF}: 36094.7/33$

Out: -37.787 ± 0.056 $\chi^2/\text{NDF}: 32540.7/36$

All: -37.607 ± 0.041 $\chi^2/\text{NDF}: 68657.2/70$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.767 $\pm$ 0.087 χ^2 /NDF: 10633.5/16

Left Out: 40.479 $\pm$ 0.055 χ^2 /NDF: 5654.5/18

Right Out: 40.620 $\pm$ 0.080 χ^2 /NDF: 16957.4/17

Left In: 40.256 $\pm$ 0.059 χ^2 /NDF: 6995.0/16

Left: 40.375 $\pm$ 0.040 χ^2 /NDF: 12657.1/35

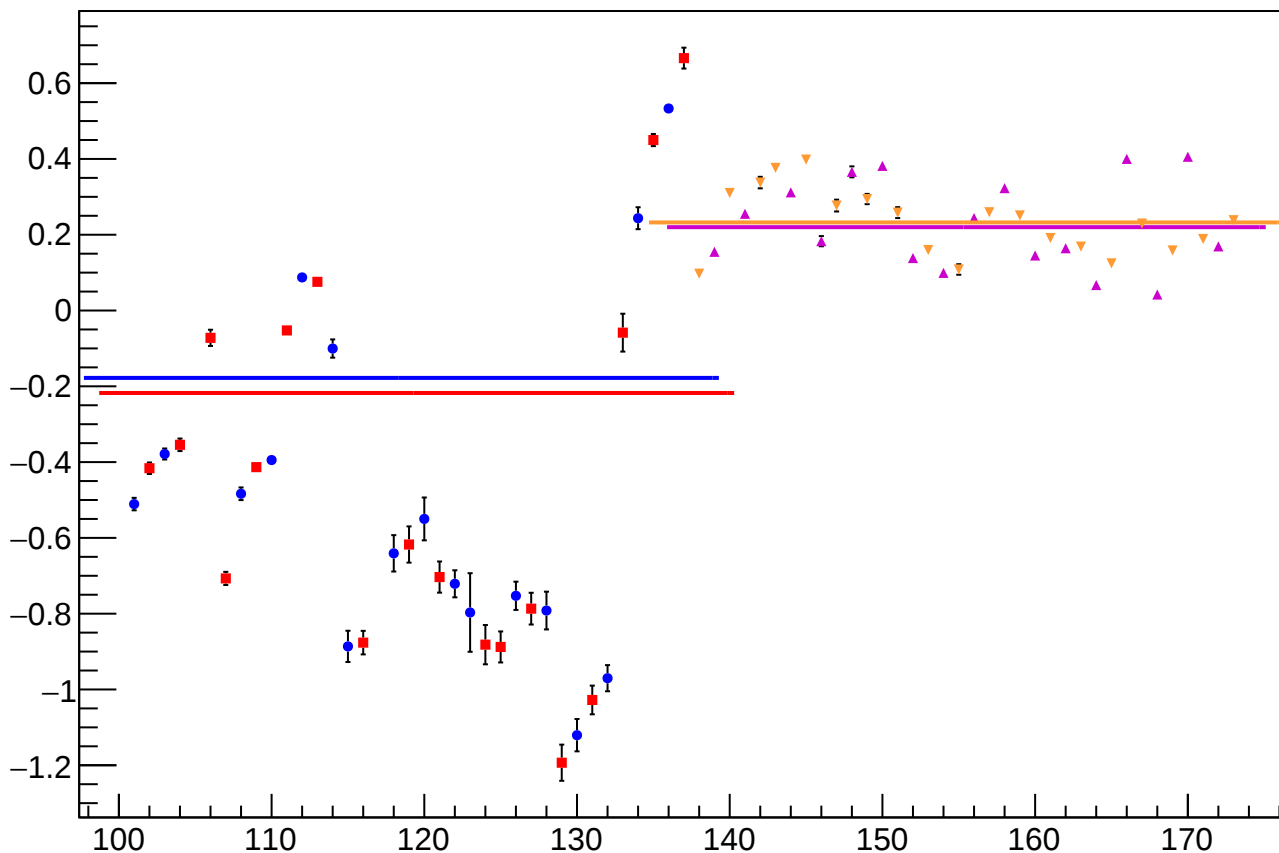
Right: 42.070 $\pm$ 0.059 χ^2 /NDF: 28299.2/34

In: 41.372 $\pm$ 0.049 χ^2 /NDF: 18744.4/33

Out: 40.524 $\pm$ 0.045 χ^2 /NDF: 22614.0/36

All: 40.917 $\pm$ 0.033 χ^2 /NDF: 41519.2/70

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.178 ± 0.005 χ^2/NDF : 7364.4/16

Left Out: 0.232 ± 0.003 χ^2/NDF : 1035.6/18

Right Out: -0.218 ± 0.004 χ^2/NDF : 7455.7/17

Left In: 0.220 ± 0.003 χ^2/NDF : 1830.6/16

Left: 0.227 ± 0.002 χ^2/NDF : 2877.5/35

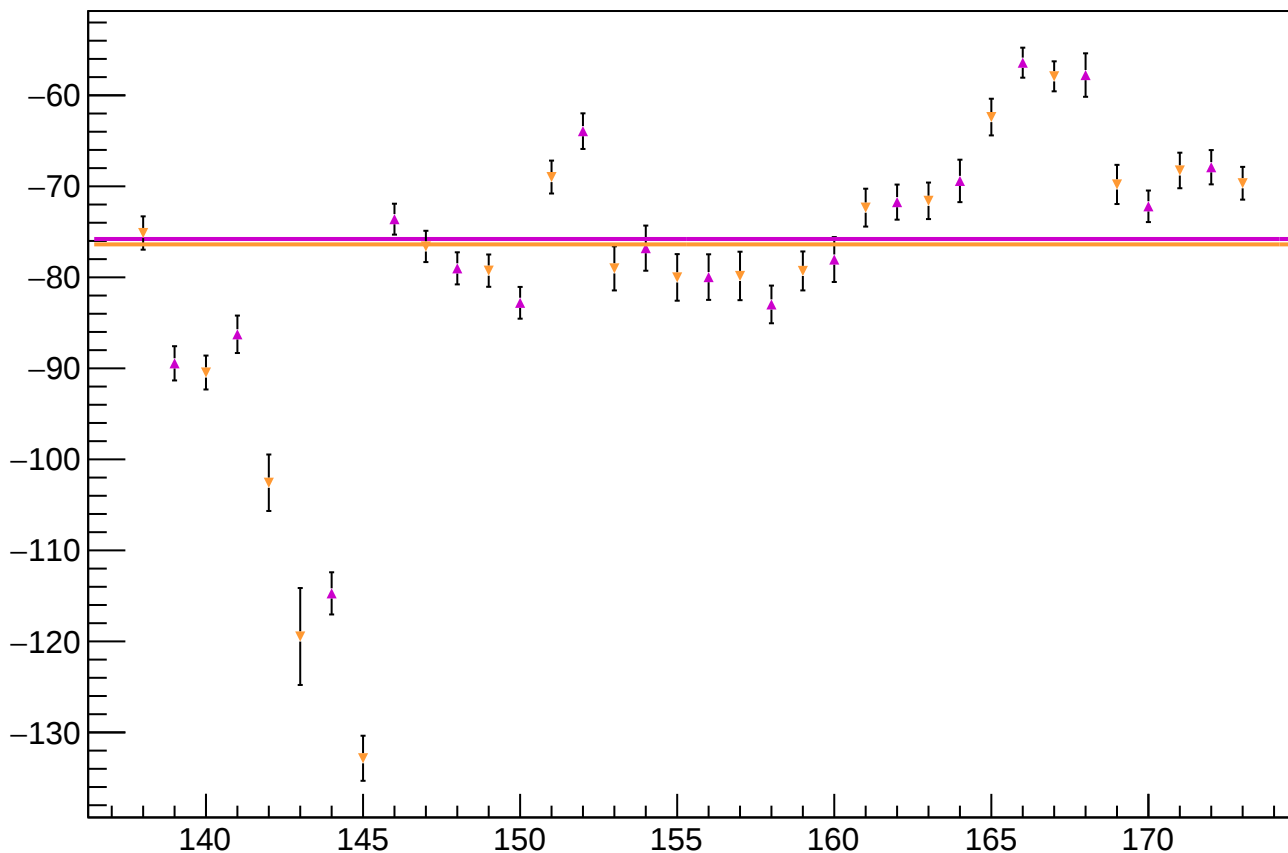
Right: -0.200 ± 0.003 χ^2/NDF : 14857.8/34

In: 0.125 ± 0.002 χ^2/NDF : 14327.8/33

Out: 0.114 ± 0.002 χ^2/NDF : 16512.0/36

All: 0.119 ± 0.002 χ^2/NDF : 30851.1/70

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -76.379+/-0.476 χ^2/NDF :964.3/18

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

Left In: -75.785+/-0.483 χ^2/NDF :663.0/16

Left: -76.086+/-0.339 χ^2/NDF : 1628.0/35

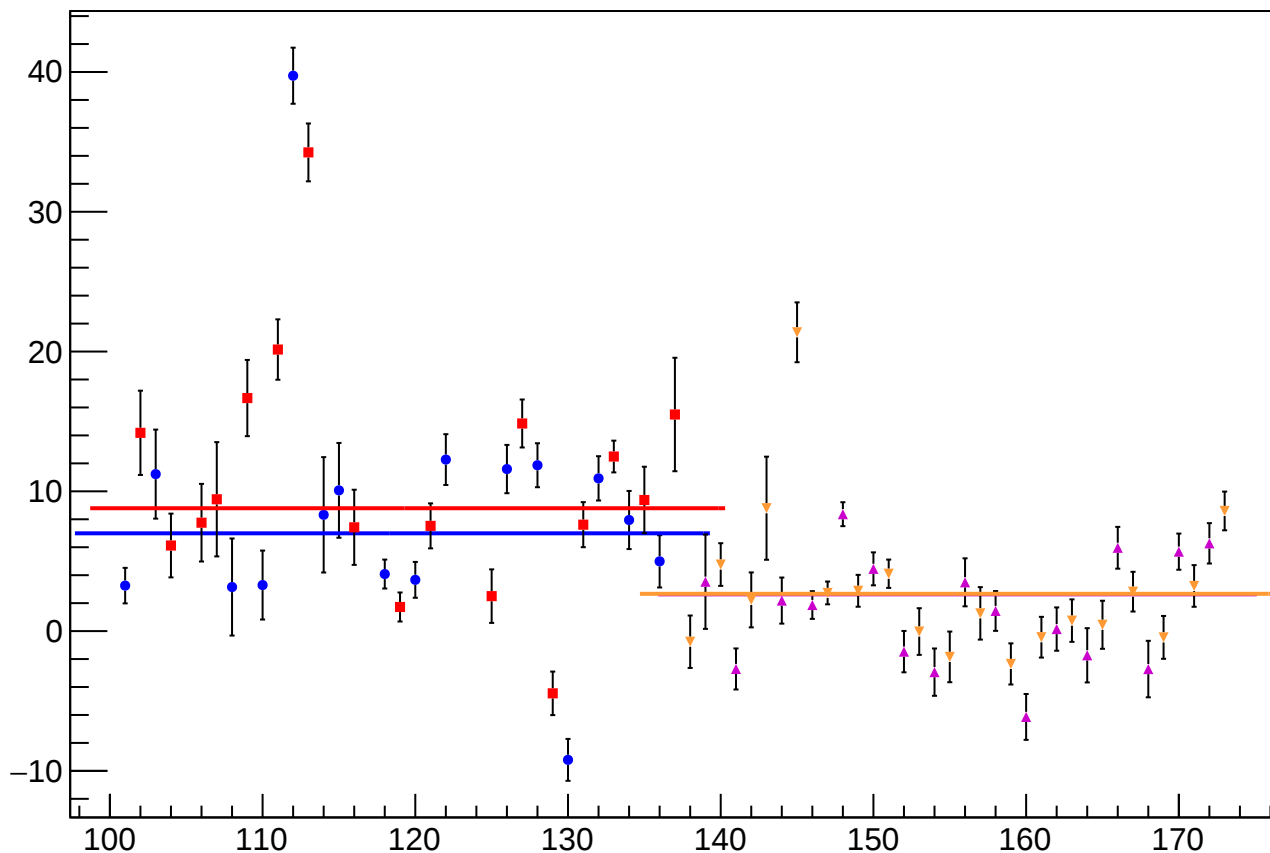
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -75.785+/-0.483 χ^2/NDF :663.0/16

Out: -76.379+/-0.476 χ^2/NDF :964.3/18

All: -76.086+/-0.339 χ^2/NDF : 1628.0/35

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.996 ± 0.434 $\chi^2/\text{NDF}: 445.3/15$

Left Out: 2.668 ± 0.332 $\chi^2/\text{NDF}: 137.9/18$

Right Out: 8.790 ± 0.449 $\chi^2/\text{NDF}: 348.8/16$

Left In: 2.628 ± 0.343 $\chi^2/\text{NDF}: 140.8/16$

Left: 2.649 ± 0.239 $\chi^2/\text{NDF}: 278.7/35$

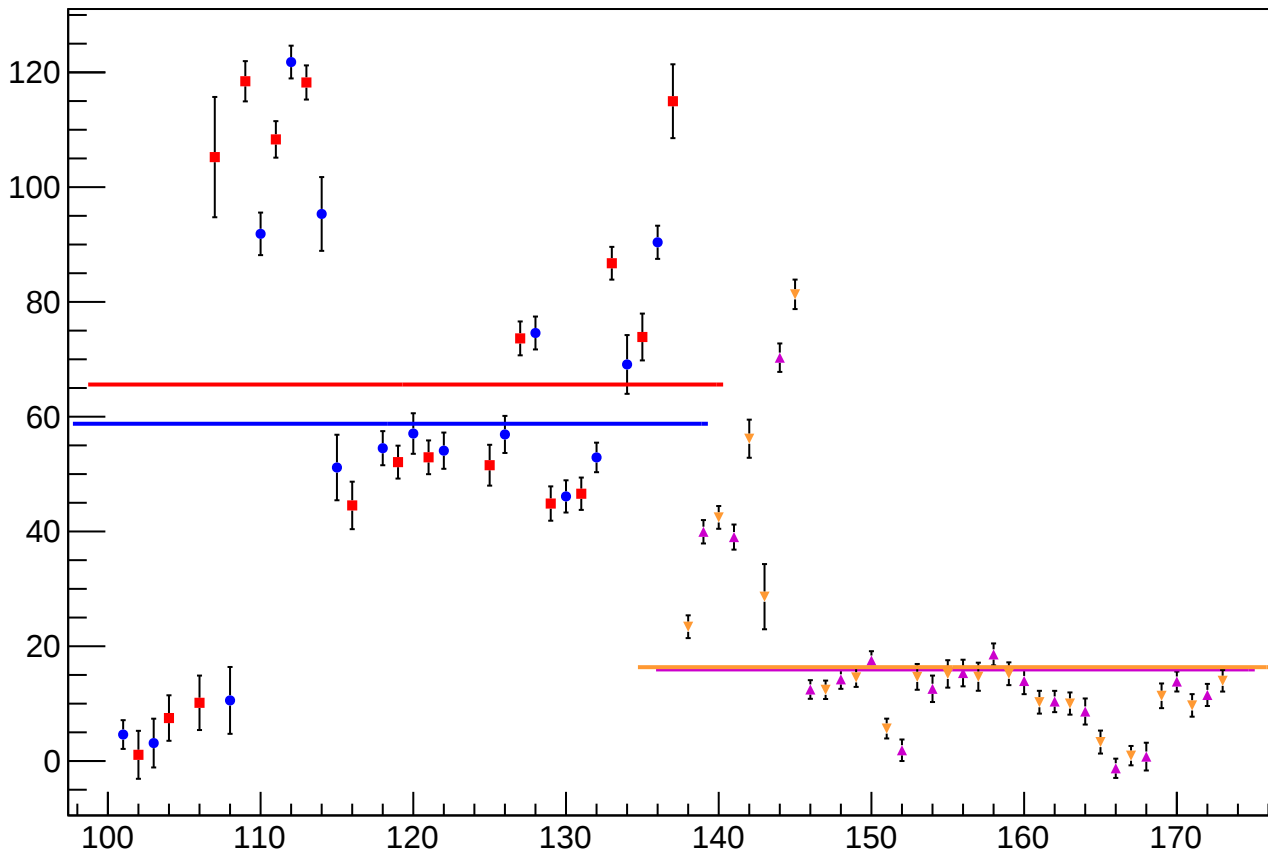
Right: 7.862 ± 0.312 $\chi^2/\text{NDF}: 802.4/32$

In: 4.309 ± 0.269 $\chi^2/\text{NDF}: 648.4/32$

Out: 4.831 ± 0.267 $\chi^2/\text{NDF}: 606.7/35$

All: 4.572 ± 0.190 $\chi^2/\text{NDF}: 1257.0/68$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.770 ± 0.833 χ^2/NDF : 1493.3/15

Left Out: 16.354 ± 0.469 χ^2/NDF : 1185.3/18

Right Out: 65.606 ± 0.845 χ^2/NDF : 1625.3/16

Left In: 15.959 ± 0.473 χ^2/NDF : 968.9/16

Left: 16.158 ± 0.333 χ^2/NDF : 2154.5/35

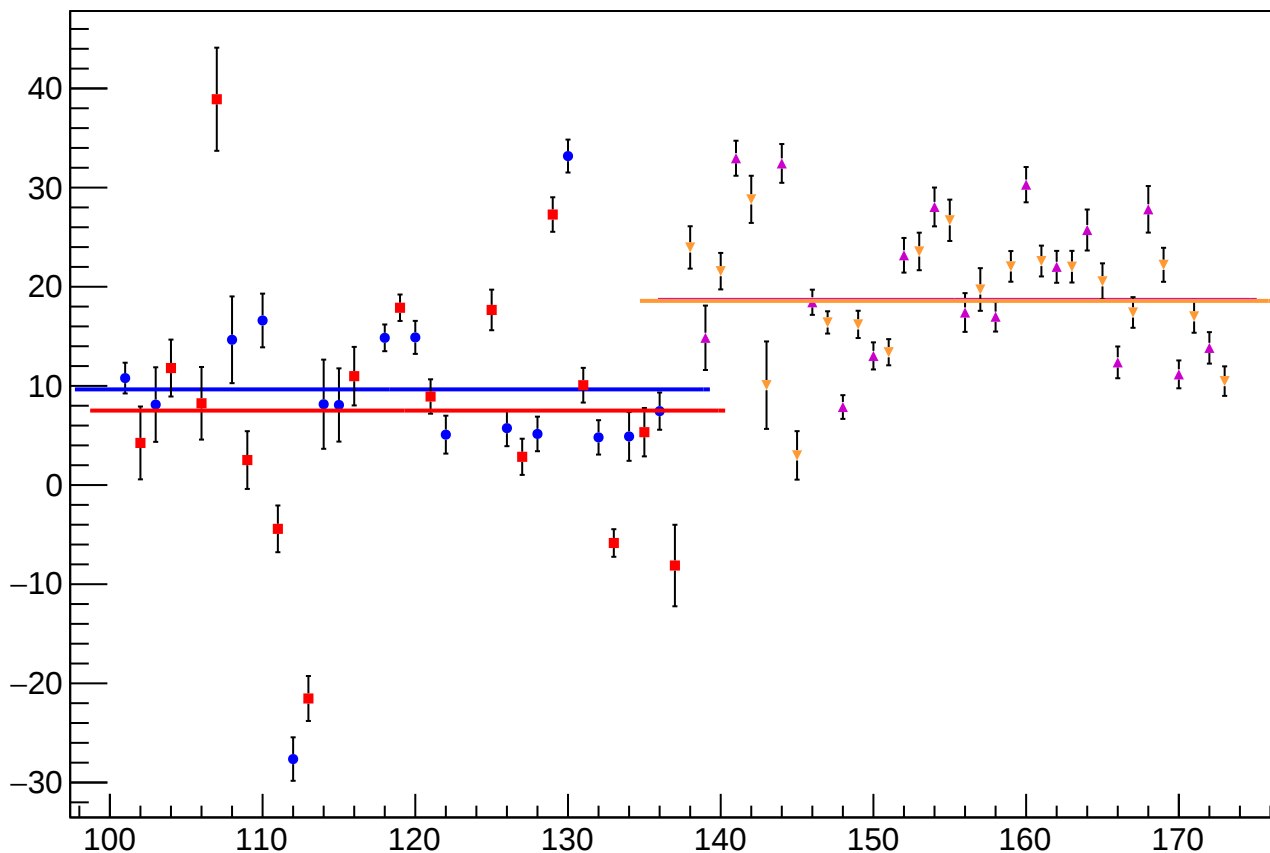
Right: 62.140 ± 0.593 χ^2/NDF : 3151.9/32

In: 26.407 ± 0.411 χ^2/NDF : 4459.3/32

Out: 27.968 ± 0.410 χ^2/NDF : 5408.5/35

All: 27.190 ± 0.291 χ^2/NDF : 9875.0/68

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.648 $\pm$ 0.502 χ^2 /NDF: 553.6/15

Left Out: 18.575 $\pm$ 0.388 χ^2 /NDF:169.5/18

Right Out: 7.511 $\pm$ 0.516 χ^2 /NDF: 564.3/16

Left In: 18.675 $\pm$ 0.400 χ^2 /NDF:373.4/16

Left: 18.623 $\pm$ 0.279 χ^2 /NDF: 542.9/35

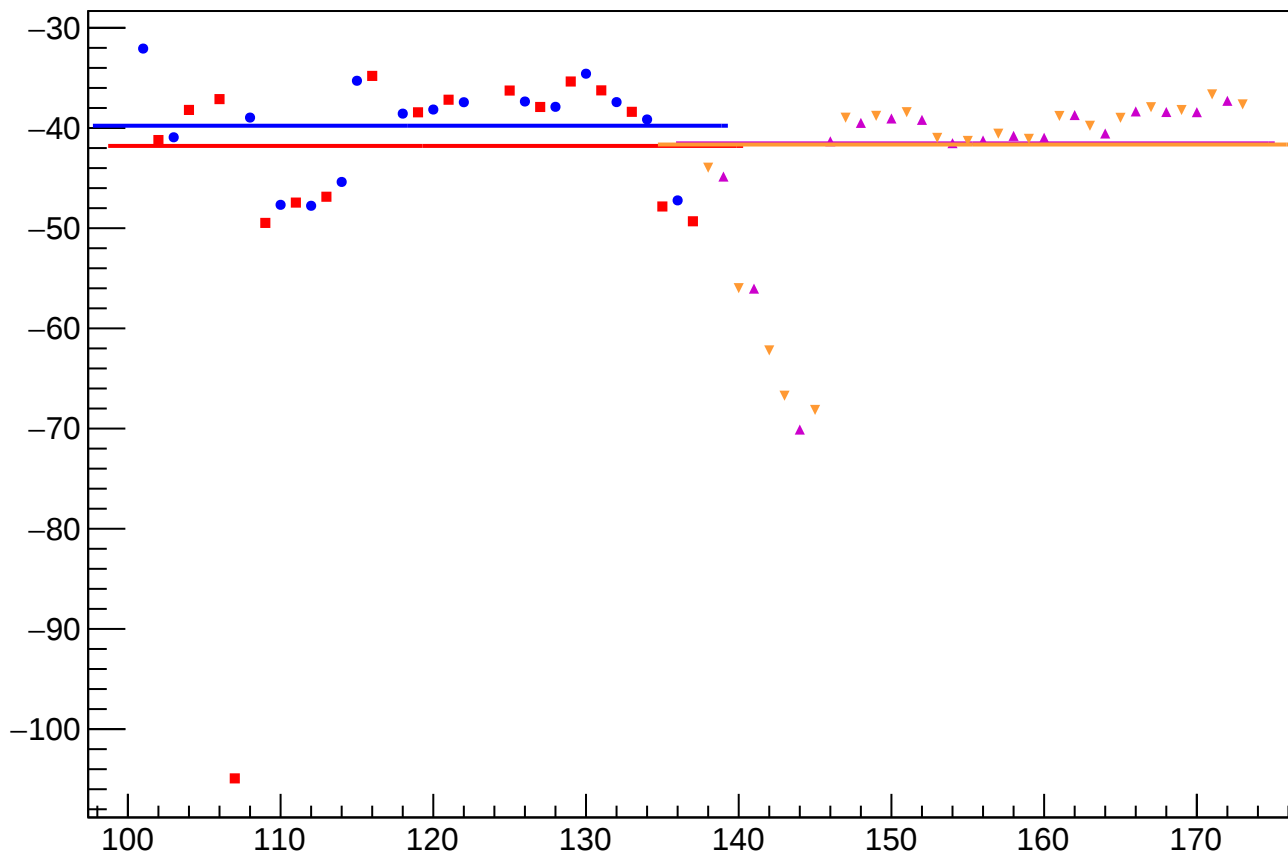
Right: 8.610 $\pm$ 0.360 χ^2 /NDF: 1126.7/32

In: 15.165 $\pm$ 0.313 χ^2 /NDF:1124.5/32

Out: 14.579 $\pm$ 0.310 χ^2 /NDF:1027.0/35

All: 14.870 $\pm$ 0.220 χ^2 /NDF: 2153.2/68

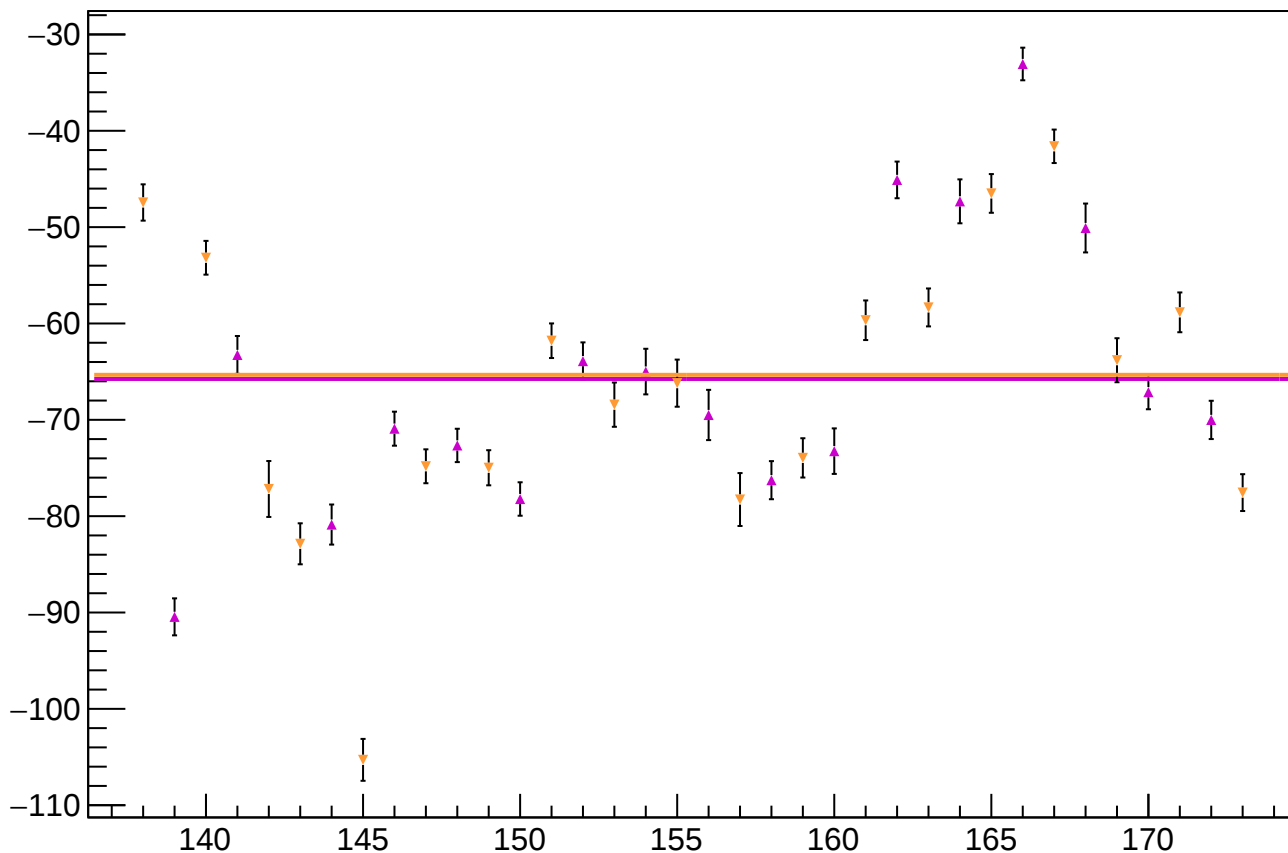
reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.771 ± 0.031 χ^2/NDF : 26176.5/15
 Left Out: -41.648 ± 0.018 χ^2/NDF : 153494.8/18
 Right Out: -41.787 ± 0.031 χ^2/NDF : 93008.7/16
 Left In: -41.531 ± 0.019 χ^2/NDF : 112142.0/16

Left: -41.590 ± 0.013 χ^2/NDF : 265656.8/35
 Right: -40.769 ± 0.022 χ^2/NDF : 121265.0/32
 In: -41.068 ± 0.016 χ^2/NDF : 140678.1/32
 Out: -41.683 ± 0.016 χ^2/NDF : 246518.0/35
 All: -41.377 ± 0.011 χ^2/NDF : 387943.0/68

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -65.328+/-0.466 χ^2/NDF :1009.4/18

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

Left In: -65.761+/-0.481 χ^2/NDF :936.4/16

Left: -65.538+/-0.335 χ^2/NDF : 1946.3/35

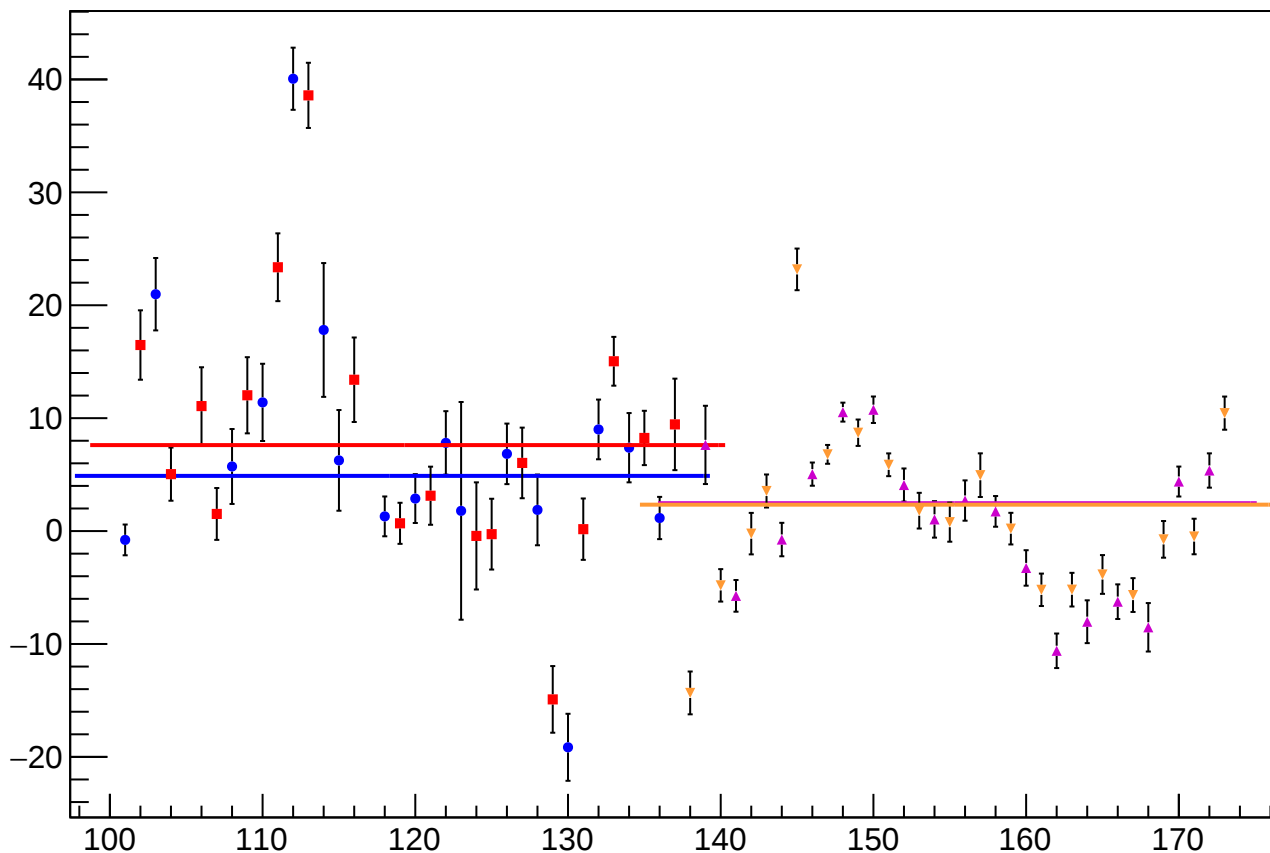
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.761+/-0.481 χ^2/NDF :936.4/16

Out: -65.328+/-0.466 χ^2/NDF :1009.4/18

All: -65.538+/-0.335 χ^2/NDF : 1946.3/35

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.888 $\pm$ 0.622 χ^2/NDF : 294.7/16

Left Out: 2.339 $\pm$ 0.325 χ^2/NDF :439.7/18

Right Out: 7.615 $\pm$ 0.652 χ^2/NDF : 269.2/17

Left In: 2.469 $\pm$ 0.341 χ^2/NDF :373.2/16

Left: 2.401 $\pm$ 0.235 χ^2/NDF : 813.0/35

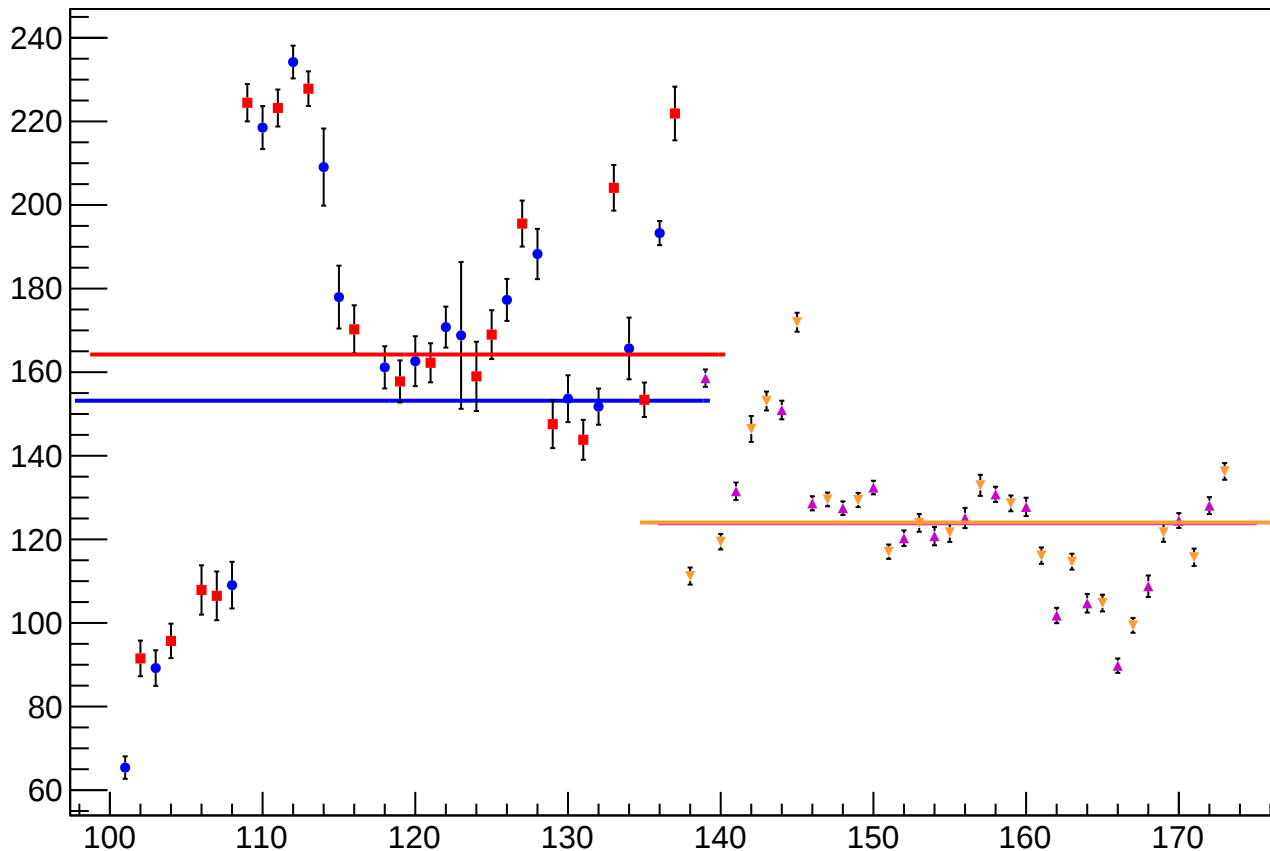
Right: 6.187 $\pm$ 0.450 χ^2/NDF : 573.1/34

In: 3.028 $\pm$ 0.299 χ^2/NDF :679.5/33

Out: 3.390 $\pm$ 0.291 χ^2/NDF :761.3/36

All: 3.214 $\pm$ 0.209 χ^2/NDF : 1441.6/70

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.174 $\pm$ 1.146 χ^2 /NDF: 2264.3/16

Left Out: 124.038 $\pm$ 0.461 χ^2 /NDF:1144.3/18

Right Out: 164.232 $\pm$ 1.183 χ^2 /NDF: 1554.8/17

Left In: 123.854 $\pm$ 0.472 χ^2 /NDF:1154.1/16

Left: 123.948 $\pm$ 0.330 χ^2 /NDF: 2298.5/35

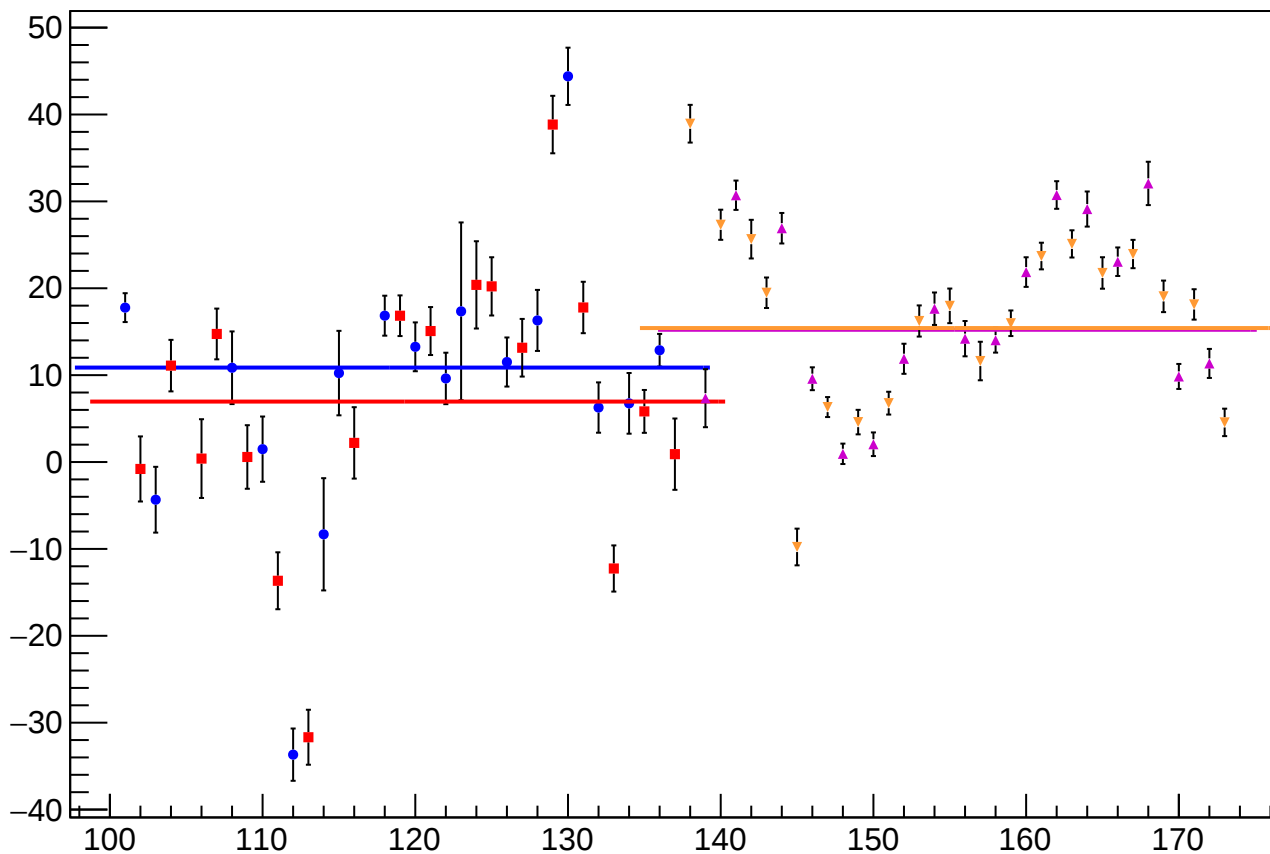
Right: 158.528 $\pm$ 0.823 χ^2 /NDF: 3864.1/34

In: 128.099 $\pm$ 0.436 χ^2 /NDF:3977.7/33

Out: 129.340 $\pm$ 0.430 χ^2 /NDF:3700.9/36

All: 128.729 $\pm$ 0.306 χ^2 /NDF: 7682.8/70

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.872 $\pm$ 0.714 χ^2 /NDF: 386.7/16

Left Out: 15.420 $\pm$ 0.381 χ^2 /NDF:663.5/18

Right Out: 6.958 $\pm$ 0.749 χ^2 /NDF: 422.3/17

Left In: 15.223 $\pm$ 0.398 χ^2 /NDF:645.8/16

Left: 15.326 $\pm$ 0.275 χ^2 /NDF: 1309.5/35

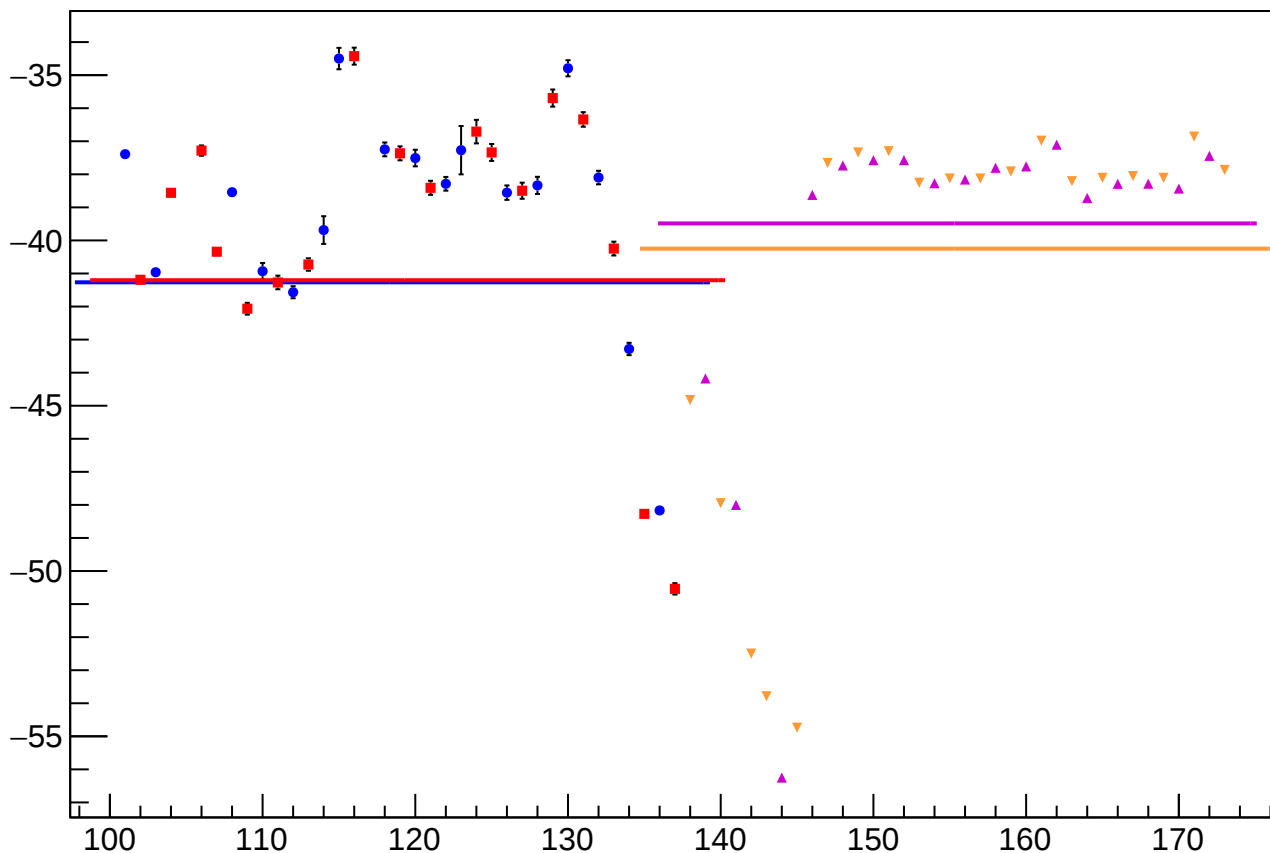
Right: 9.008 $\pm$ 0.517 χ^2 /NDF: 823.3/34

In: 14.193 $\pm$ 0.348 χ^2 /NDF:1060.8/33

Out: 13.685 $\pm$ 0.339 χ^2 /NDF:1187.2/36

All: 13.932 $\pm$ 0.243 χ^2 /NDF: 2249.2/70

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.267+/-0.039 χ^2/NDF : 12581.8/16

Left Out: -40.249+/-0.018 χ^2/NDF : 85452.1/18

Right Out: -41.204+/-0.039 χ^2/NDF : 12008.6/17

Left In: -39.485+/-0.019 χ^2/NDF : 50329.5/16

Left: -39.876+/-0.013 χ^2/NDF : 136650.7/35

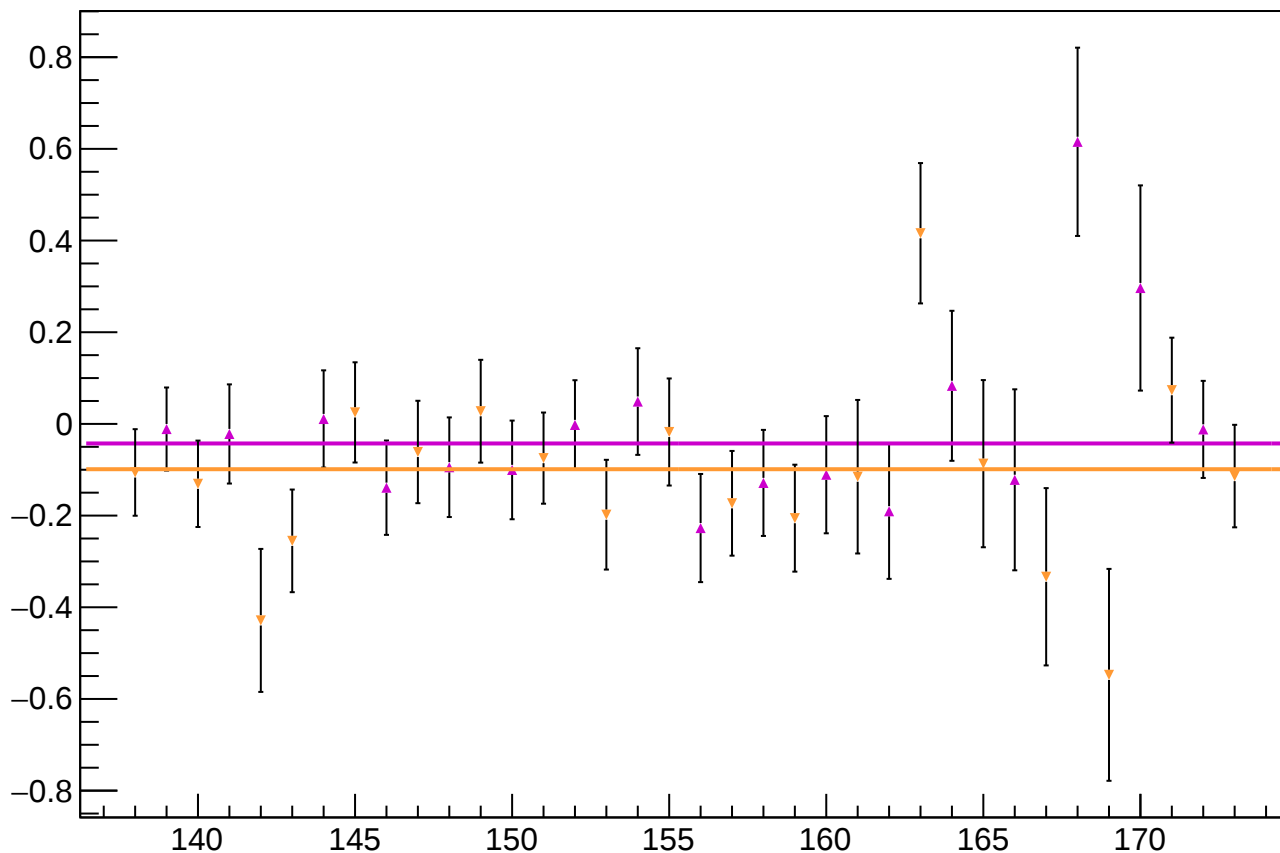
Right: -41.236+/-0.027 χ^2/NDF : 24591.7/34

In: -39.820+/-0.017 χ^2/NDF : 64649.0/33

Out: -40.420+/-0.016 χ^2/NDF : 97956.8/36

All: -40.125+/-0.012 χ^2/NDF : 163261.6/70

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.099 $\pm$ 0.028 χ^2 /NDF:30.5/18

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

Left In: -0.043 $\pm$ 0.029 χ^2 /NDF:20.3/16

Left: -0.072 $\pm$ 0.020 χ^2 /NDF: 52.8/35

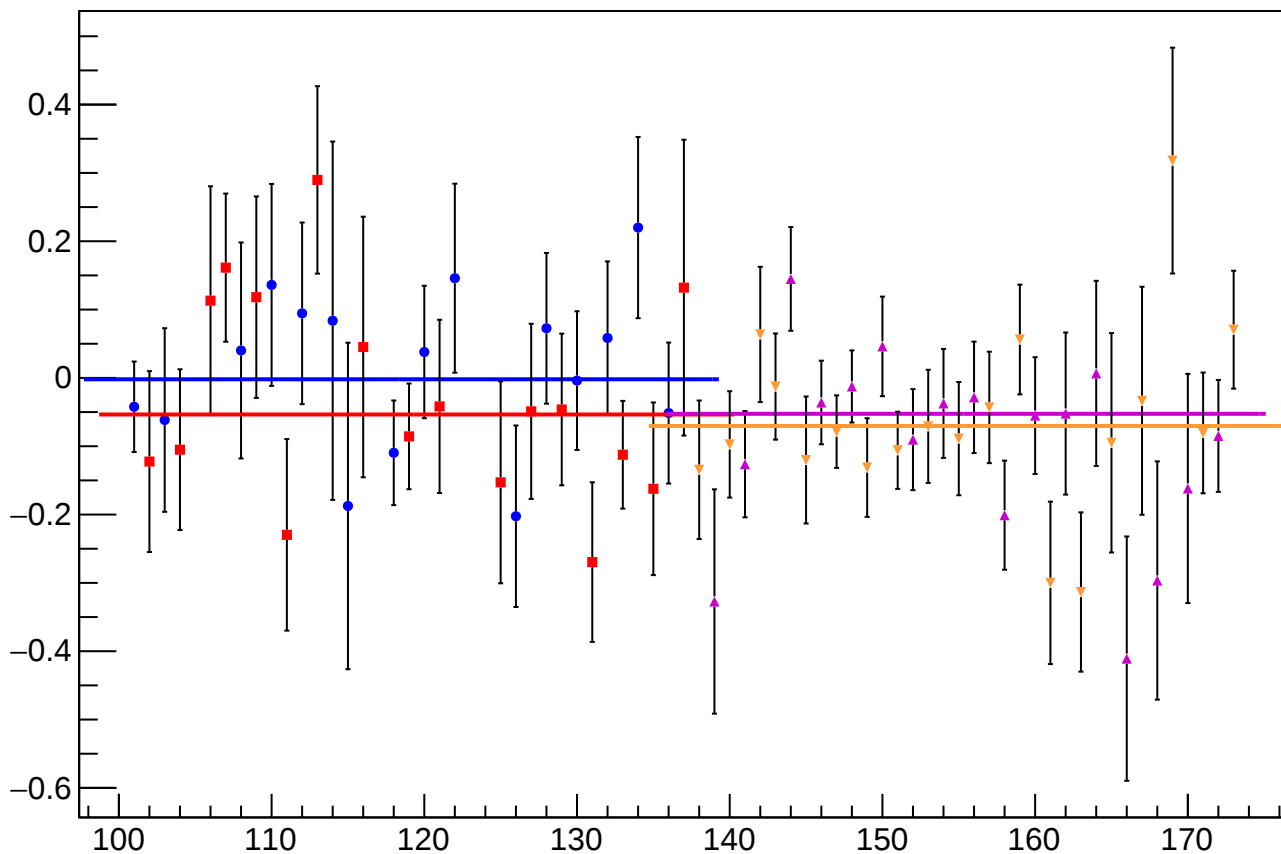
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.043 $\pm$ 0.029 χ^2 /NDF:20.3/16

Out: -0.099 $\pm$ 0.028 χ^2 /NDF:30.5/18

All: -0.072 $\pm$ 0.020 χ^2 /NDF: 52.8/35

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.002 ± 0.028 χ^2/NDF : 12.1/15

Left Out: -0.070 ± 0.020 χ^2/NDF : 23.3/18

Right Out: -0.054 ± 0.029 χ^2/NDF : 20.9/16

Left In: -0.053 ± 0.021 χ^2/NDF : 23.5/16

Left: -0.062 ± 0.014 χ^2/NDF : 47.2/35

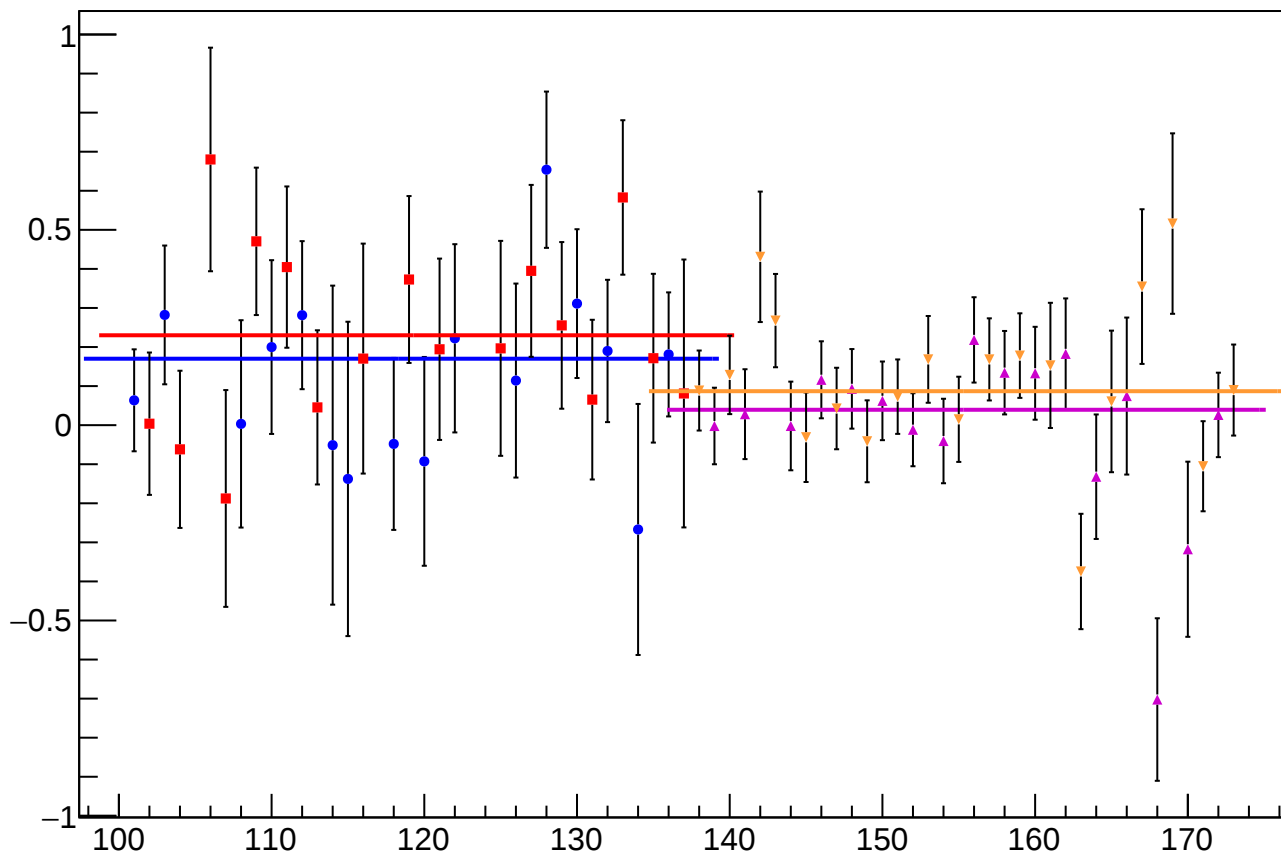
Right: -0.027 ± 0.020 χ^2/NDF : 34.6/32

In: -0.035 ± 0.017 χ^2/NDF : 37.7/32

Out: -0.065 ± 0.016 χ^2/NDF : 44.5/35

All: -0.050 ± 0.012 χ^2/NDF : 83.9/68

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.170 ± 0.052 $\chi^2/\text{NDF}: 13.0/15$

Left Out: 0.087 ± 0.028 $\chi^2/\text{NDF}: 29.8/18$

Right Out: 0.230 ± 0.054 $\chi^2/\text{NDF}: 16.8/16$

Left In: 0.039 ± 0.028 $\chi^2/\text{NDF}: 23.7/16$

Left: 0.064 ± 0.020 $\chi^2/\text{NDF}: 54.9/35$

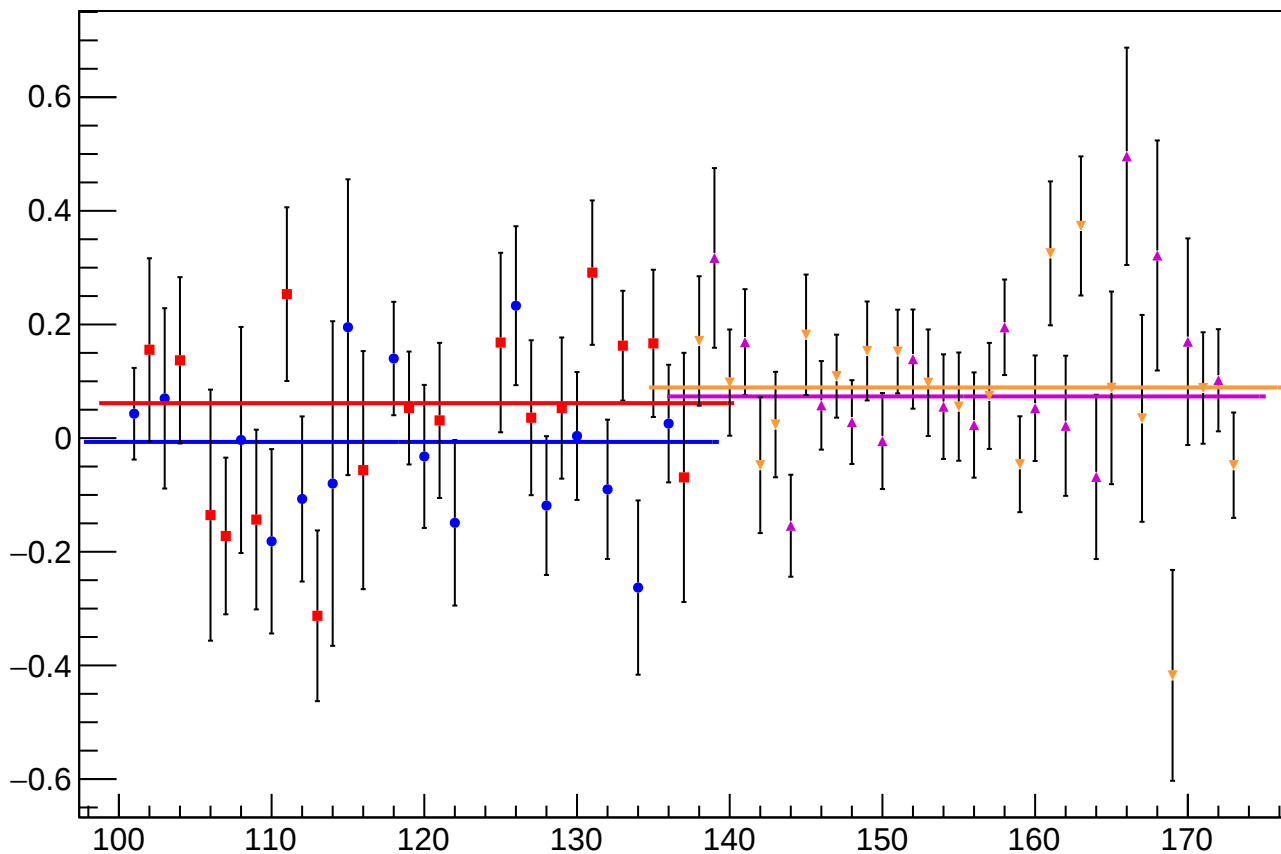
Right: 0.199 ± 0.038 $\chi^2/\text{NDF}: 30.5/32$

In: 0.069 ± 0.025 $\chi^2/\text{NDF}: 41.5/32$

Out: 0.117 ± 0.025 $\chi^2/\text{NDF}: 52.2/35$

All: 0.093 ± 0.017 $\chi^2/\text{NDF}: 95.5/68$

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.007 ± 0.033 χ^2/NDF : 13.2/15

Left Out: 0.089 ± 0.023 χ^2/NDF : 25.8/18

Right Out: 0.062 ± 0.034 χ^2/NDF : 20.0/16

Left In: 0.073 ± 0.024 χ^2/NDF : 22.1/16

Left: 0.082 ± 0.017 χ^2/NDF : 48.1/35

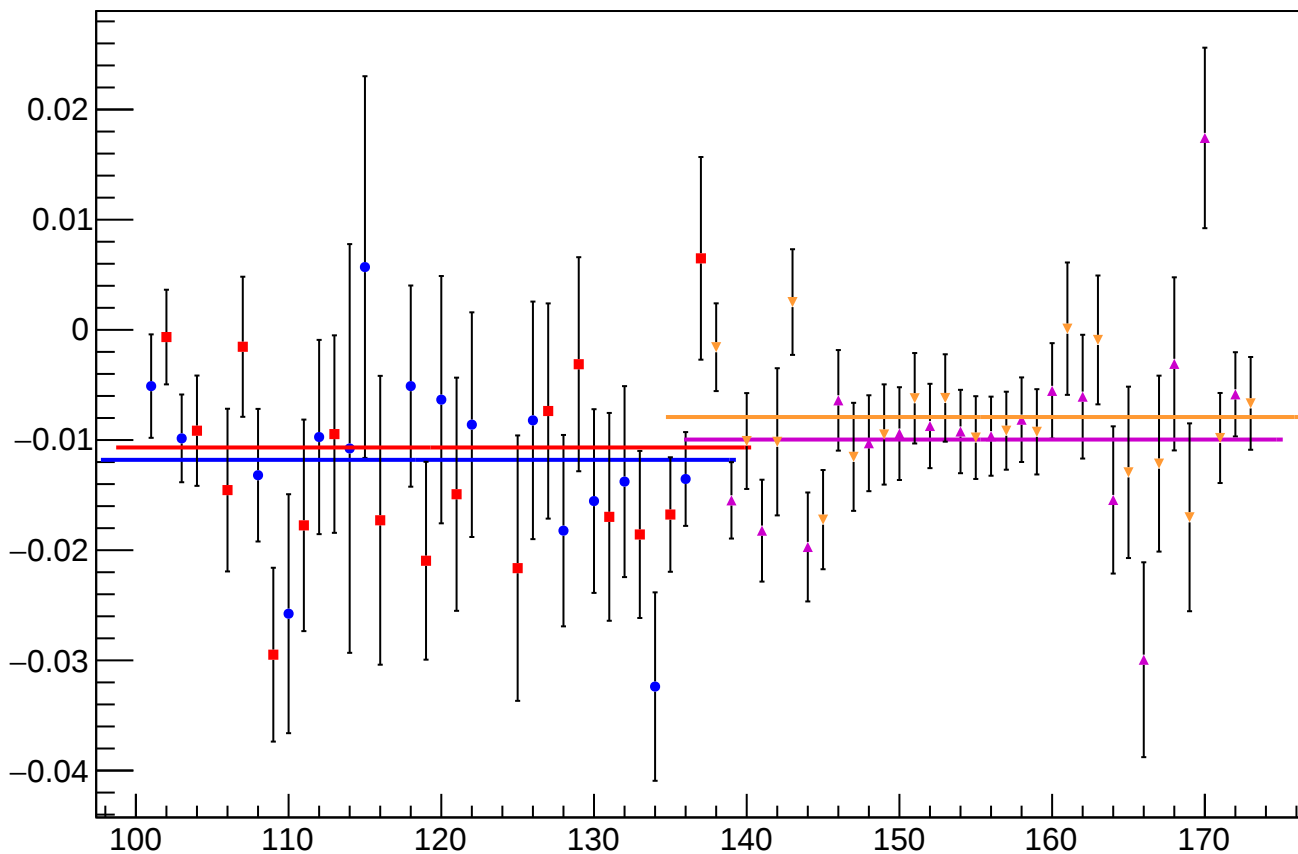
Right: 0.026 ± 0.023 χ^2/NDF : 35.3/32

In: 0.045 ± 0.019 χ^2/NDF : 39.2/32

Out: 0.080 ± 0.019 χ^2/NDF : 46.2/35

All: 0.063 ± 0.014 χ^2/NDF : 87.1/68

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 $\pm$ 0.001 χ^2/NDF : 18.8/18

Right Out: -0.011 $\pm$ 0.002 χ^2/NDF : 23.8/16

Left In: -0.010 $\pm$ 0.001 χ^2/NDF : 31.0/16

Left: -0.009 $\pm$ 0.001 χ^2/NDF : 51.6/35

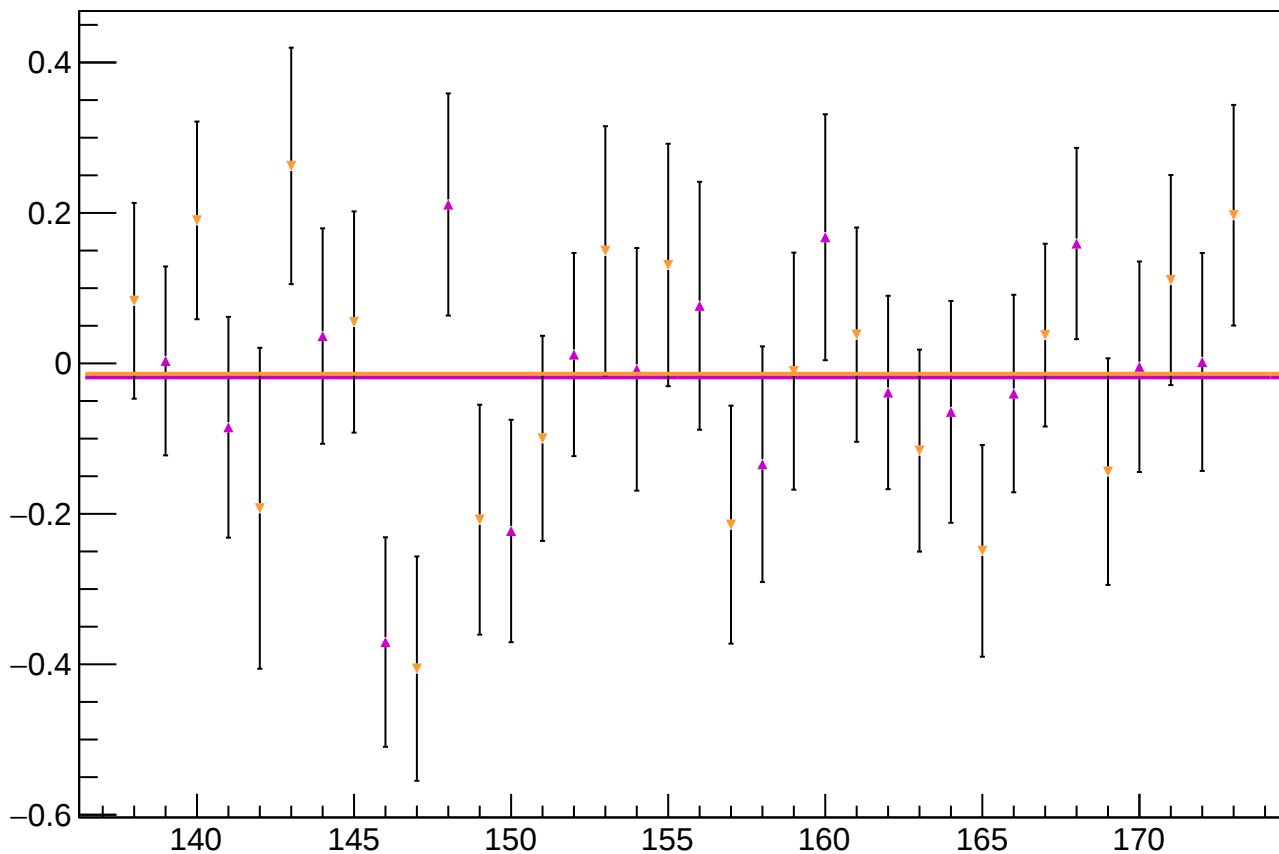
Right: -0.011 $\pm$ 0.001 χ^2/NDF : 36.8/32

In: -0.010 $\pm$ 0.001 χ^2/NDF : 44.6/32

Out: -0.009 $\pm$ 0.001 χ^2/NDF : 44.3/35

All: -0.010 $\pm$ 0.001 χ^2/NDF : 90.8/68

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: -0.014 $\pm$ 0.034 χ^2 /NDF:26.6/18

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

Left In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.5/16

Left: -0.016 $\pm$ 0.024 χ^2 /NDF: 42.1/35

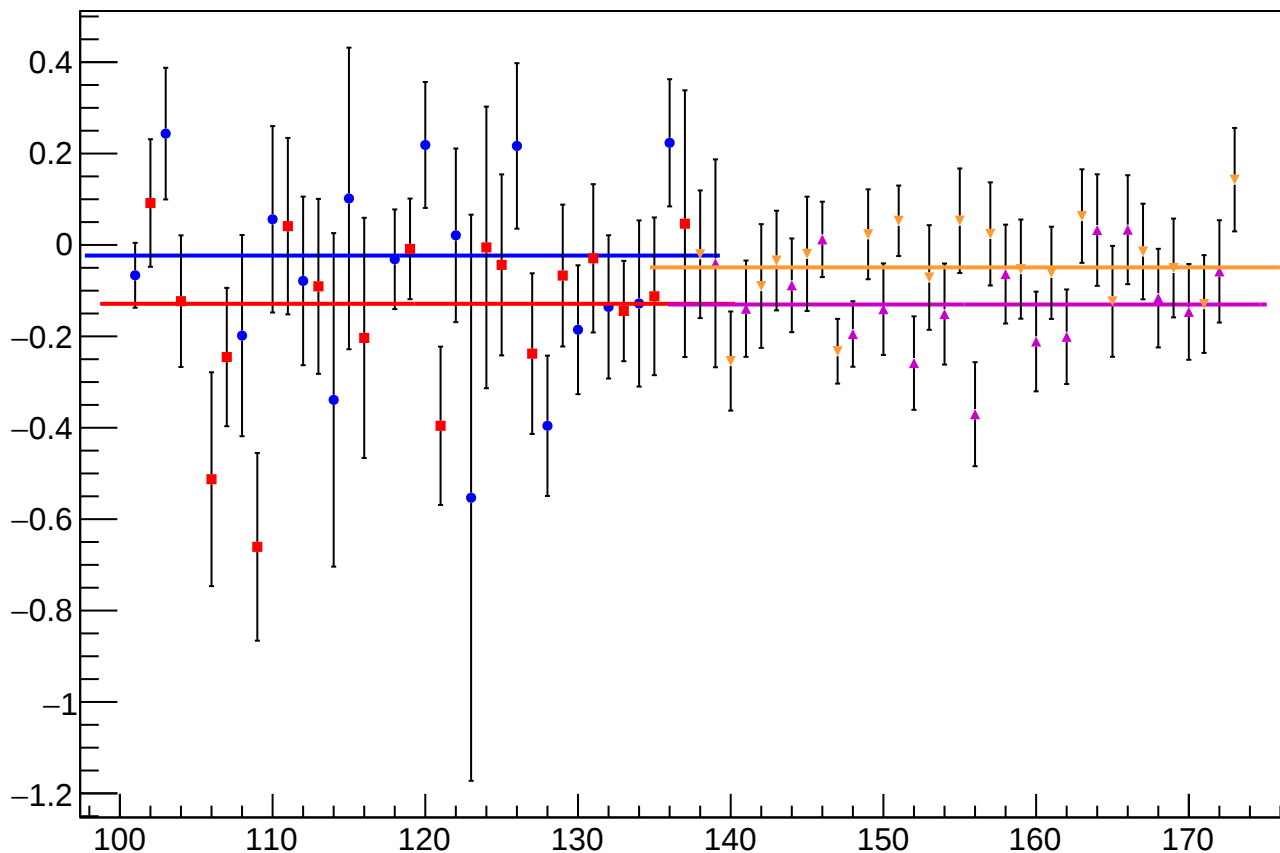
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.5/16

Out: -0.014 $\pm$ 0.034 χ^2 /NDF:26.6/18

All: -0.016 $\pm$ 0.024 χ^2 /NDF: 42.1/35

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.023 ± 0.037 χ^2/NDF : 22.4/16

Left Out: -0.049 ± 0.024 χ^2/NDF : 19.2/18

Right Out: -0.129 ± 0.039 χ^2/NDF : 18.6/17

Left In: -0.130 ± 0.025 χ^2/NDF : 15.7/16

Left: -0.088 ± 0.017 χ^2/NDF : 40.3/35

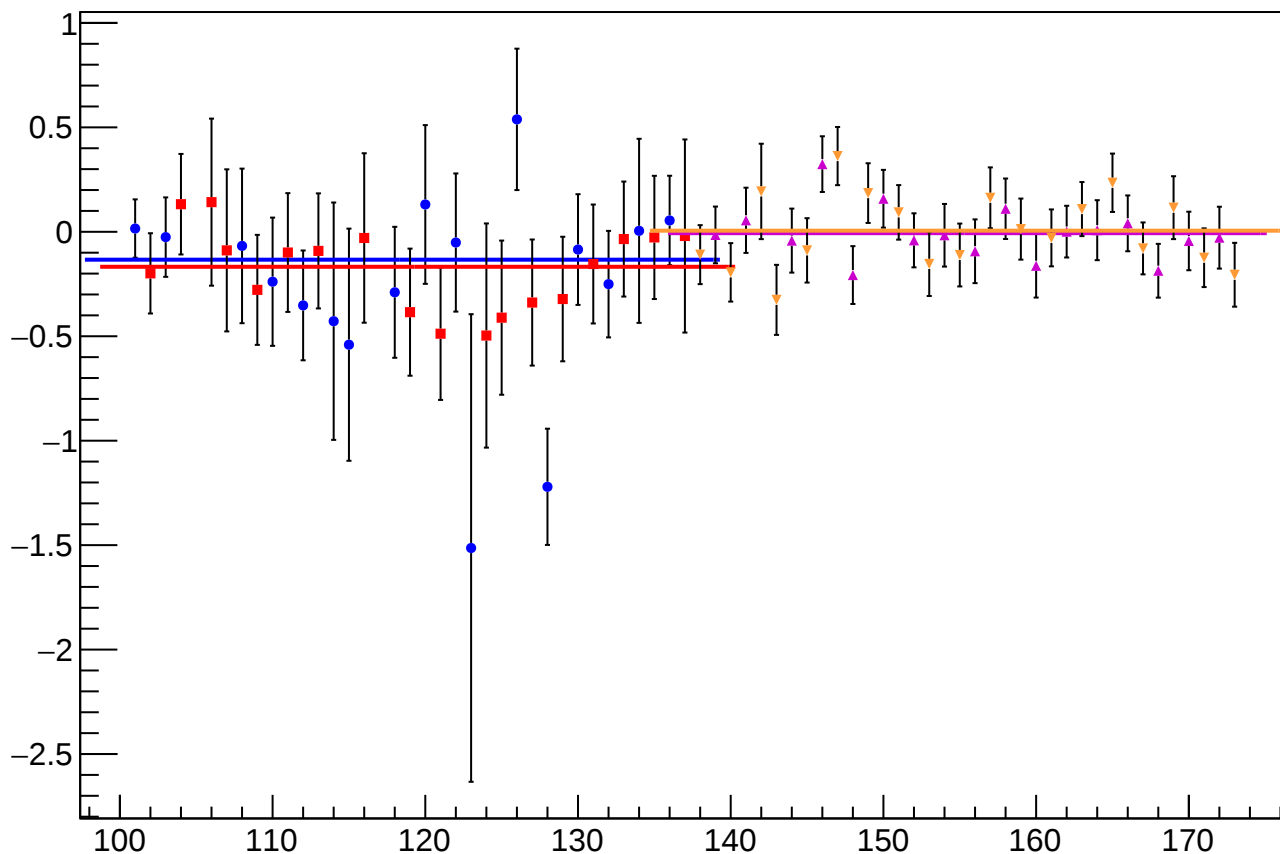
Right: -0.072 ± 0.027 χ^2/NDF : 44.9/34

In: -0.095 ± 0.021 χ^2/NDF : 43.9/33

Out: -0.071 ± 0.021 χ^2/NDF : 40.8/36

All: -0.083 ± 0.015 χ^2/NDF : 85.4/70

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.133 ± 0.067 χ^2/NDF : 25.7/16

Left Out: 0.005 ± 0.033 χ^2/NDF : 26.3/18

Right Out: -0.167 ± 0.071 χ^2/NDF : 6.1/17

Left In: -0.007 ± 0.034 χ^2/NDF : 14.2/16

Left: -0.000 ± 0.024 χ^2/NDF : 40.5/35

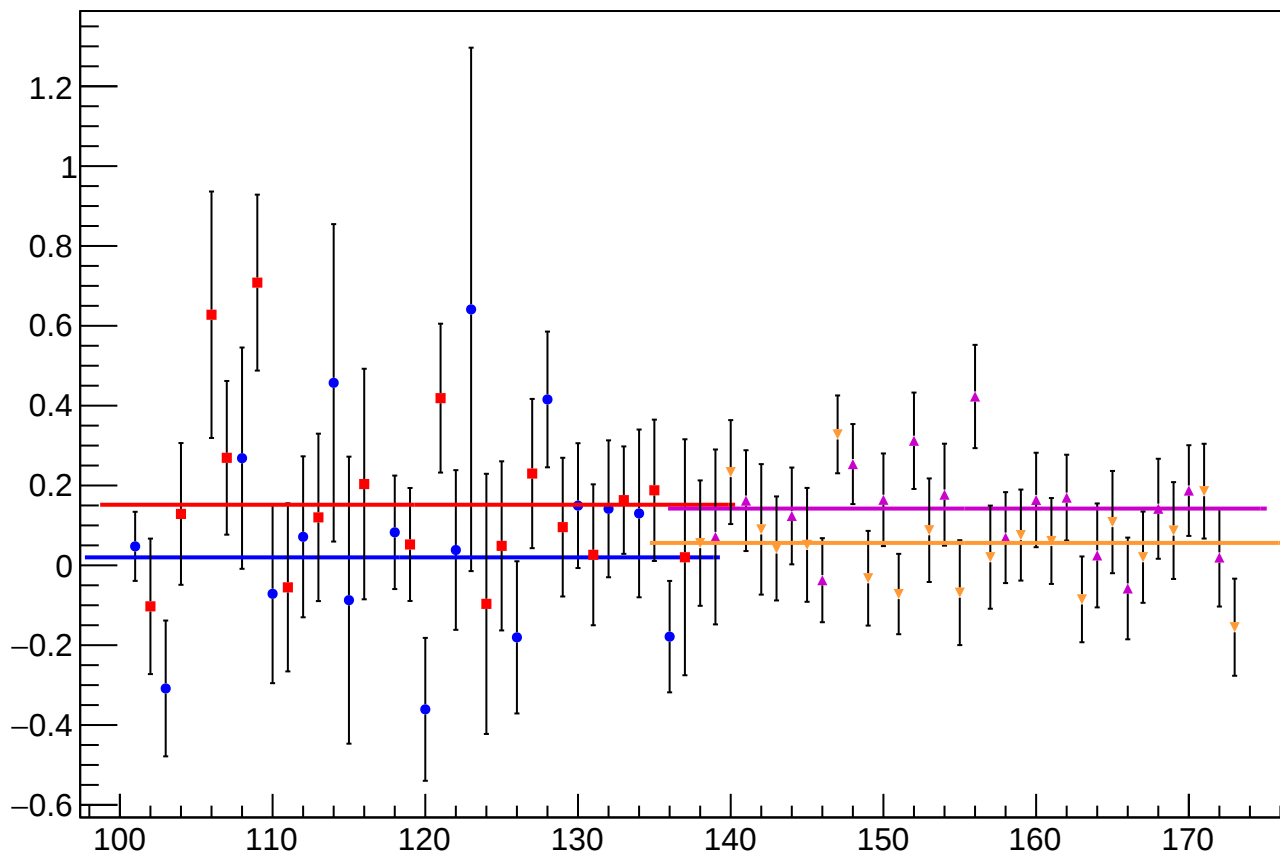
Right: -0.149 ± 0.049 χ^2/NDF : 32.0/34

In: -0.033 ± 0.030 χ^2/NDF : 42.8/33

Out: -0.026 ± 0.030 χ^2/NDF : 37.3/36

All: -0.029 ± 0.021 χ^2/NDF : 80.1/70

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.020 ± 0.042 χ^2/NDF : 21.8/16

Left Out: 0.056 ± 0.028 χ^2/NDF : 19.2/18

Right Out: 0.152 ± 0.045 χ^2/NDF : 16.8/17

Left In: 0.142 ± 0.029 χ^2/NDF : 16.0/16

Left: 0.097 ± 0.020 χ^2/NDF : 39.8/35

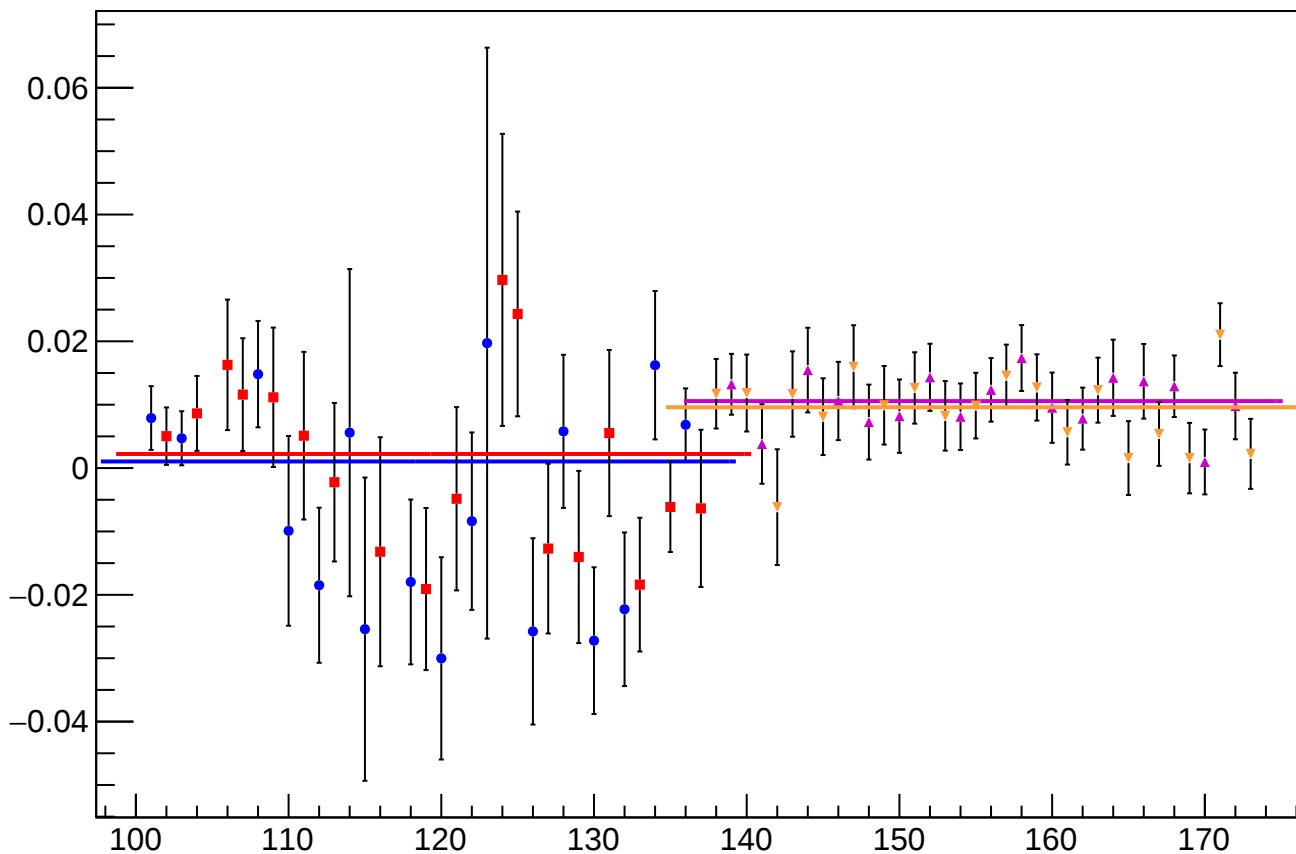
Right: 0.081 ± 0.031 χ^2/NDF : 43.1/34

In: 0.103 ± 0.024 χ^2/NDF : 43.5/33

Out: 0.082 ± 0.024 χ^2/NDF : 39.2/36

All: 0.092 ± 0.017 χ^2/NDF : 83.1/70

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 ± 0.002 $\chi^2/\text{NDF}: 32.0/16$

Left Out: 0.010 ± 0.001 $\chi^2/\text{NDF}: 18.8/18$

Right Out: 0.002 ± 0.002 $\chi^2/\text{NDF}: 20.8/17$

Left In: 0.011 ± 0.001 $\chi^2/\text{NDF}: 9.8/16$

Left: 0.010 ± 0.001 $\chi^2/\text{NDF}: 28.9/35$

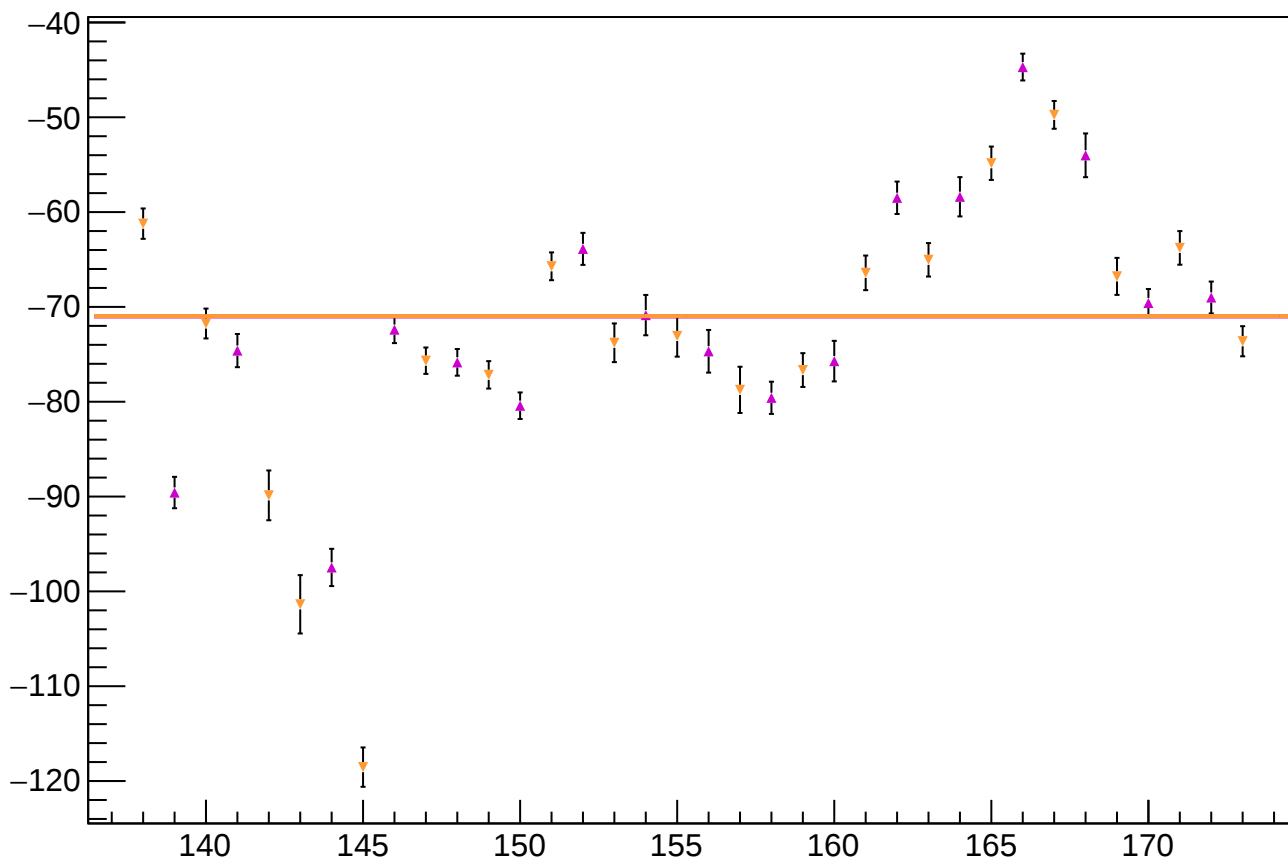
Right: 0.002 ± 0.002 $\chi^2/\text{NDF}: 53.0/34$

In: 0.008 ± 0.001 $\chi^2/\text{NDF}: 55.4/33$

Out: 0.008 ± 0.001 $\chi^2/\text{NDF}: 47.5/36$

All: 0.008 ± 0.001 $\chi^2/\text{NDF}: 102.9/70$

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: -70.966+/-0.406 χ^2/NDF :1112.7/18

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

Left In: -71.006+/-0.413 χ^2/NDF :914.9/16

Left: -70.986+/-0.290 χ^2/NDF : 2027.5/35

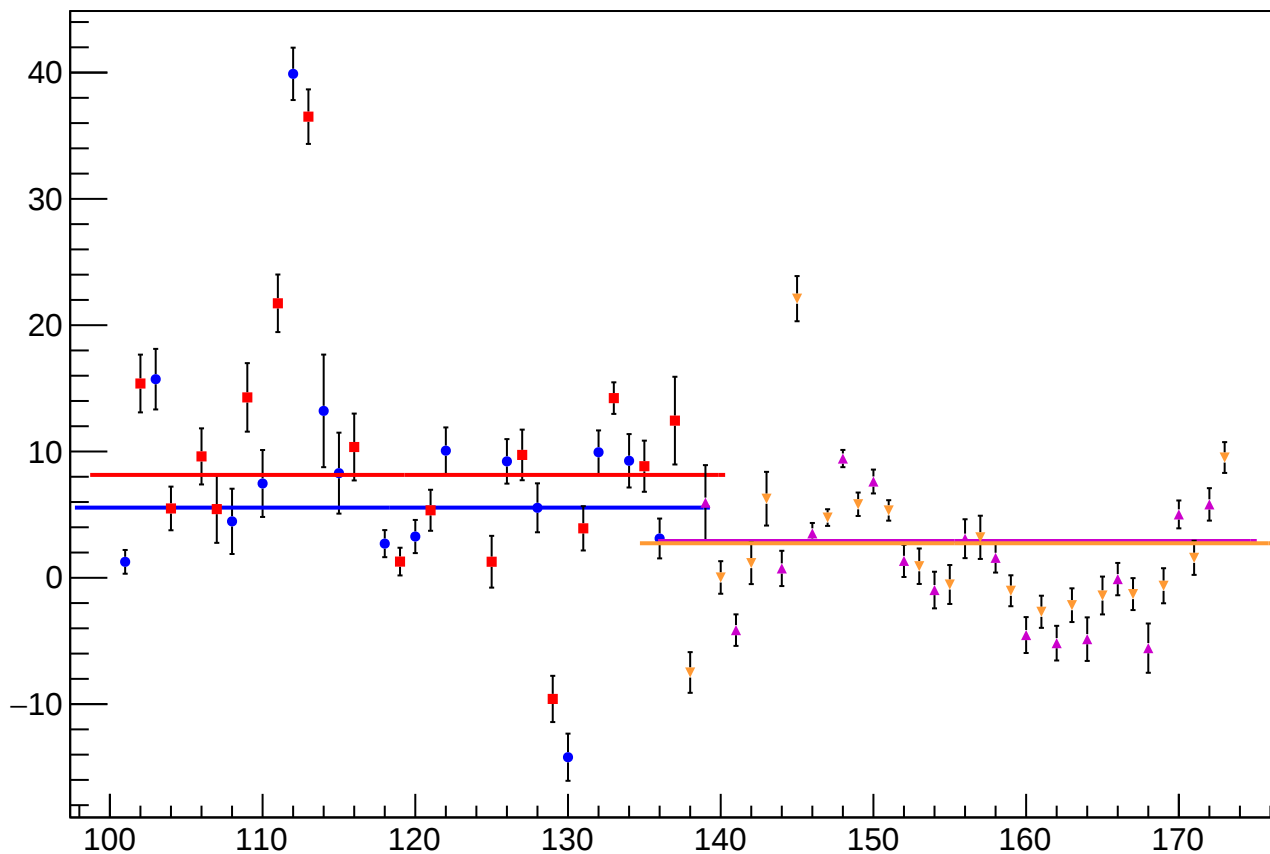
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.006+/-0.413 χ^2/NDF :914.9/16

Out: -70.966+/-0.406 χ^2/NDF :1112.7/18

All: -70.986+/-0.290 χ^2/NDF : 2027.5/35

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.557 ± 0.424 $\chi^2/\text{NDF}: 462.0/15$

Left Out: 2.735 ± 0.280 $\chi^2/\text{NDF}: 299.2/18$

Right Out: 8.146 ± 0.454 $\chi^2/\text{NDF}: 406.8/16$

Left In: 2.914 ± 0.290 $\chi^2/\text{NDF}: 278.1/16$

Left: 2.822 ± 0.201 $\chi^2/\text{NDF}: 577.5/35$

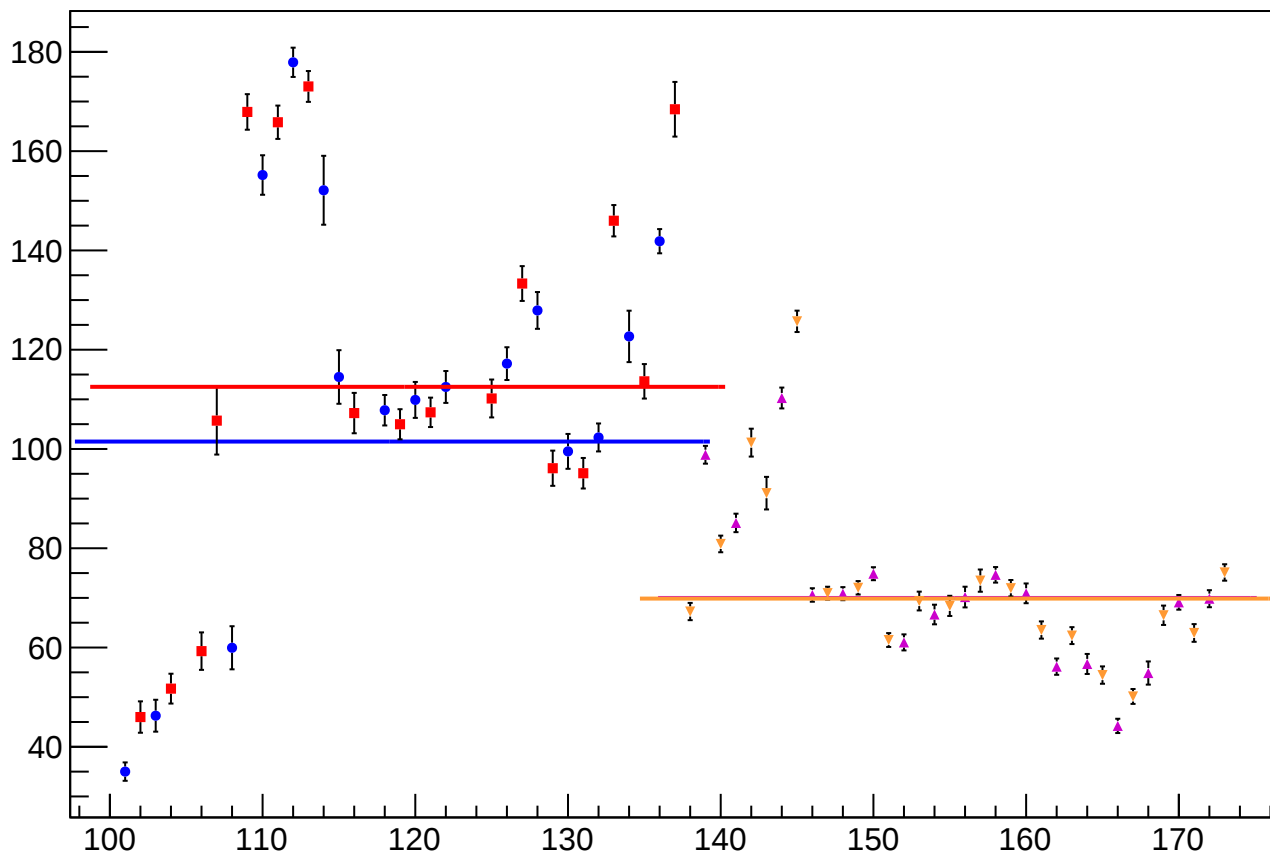
Right: 6.763 ± 0.310 $\chi^2/\text{NDF}: 886.1/32$

In: 3.755 ± 0.239 $\chi^2/\text{NDF}: 766.6/32$

Out: 4.221 ± 0.238 $\chi^2/\text{NDF}: 808.8/35$

All: 3.989 ± 0.169 $\chi^2/\text{NDF}: 1577.3/68$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.496 $\pm$ 0.808 χ^2 /NDF: 2973.0/15

Left Out: 69.862 $\pm$ 0.400 χ^2 /NDF:1239.0/18

Right Out: 112.521 $\pm$ 0.843 χ^2 /NDF: 2236.9/16

Left In: 69.985 $\pm$ 0.404 χ^2 /NDF:1227.6/16

Left: 69.923 $\pm$ 0.284 χ^2 /NDF: 2466.7/35

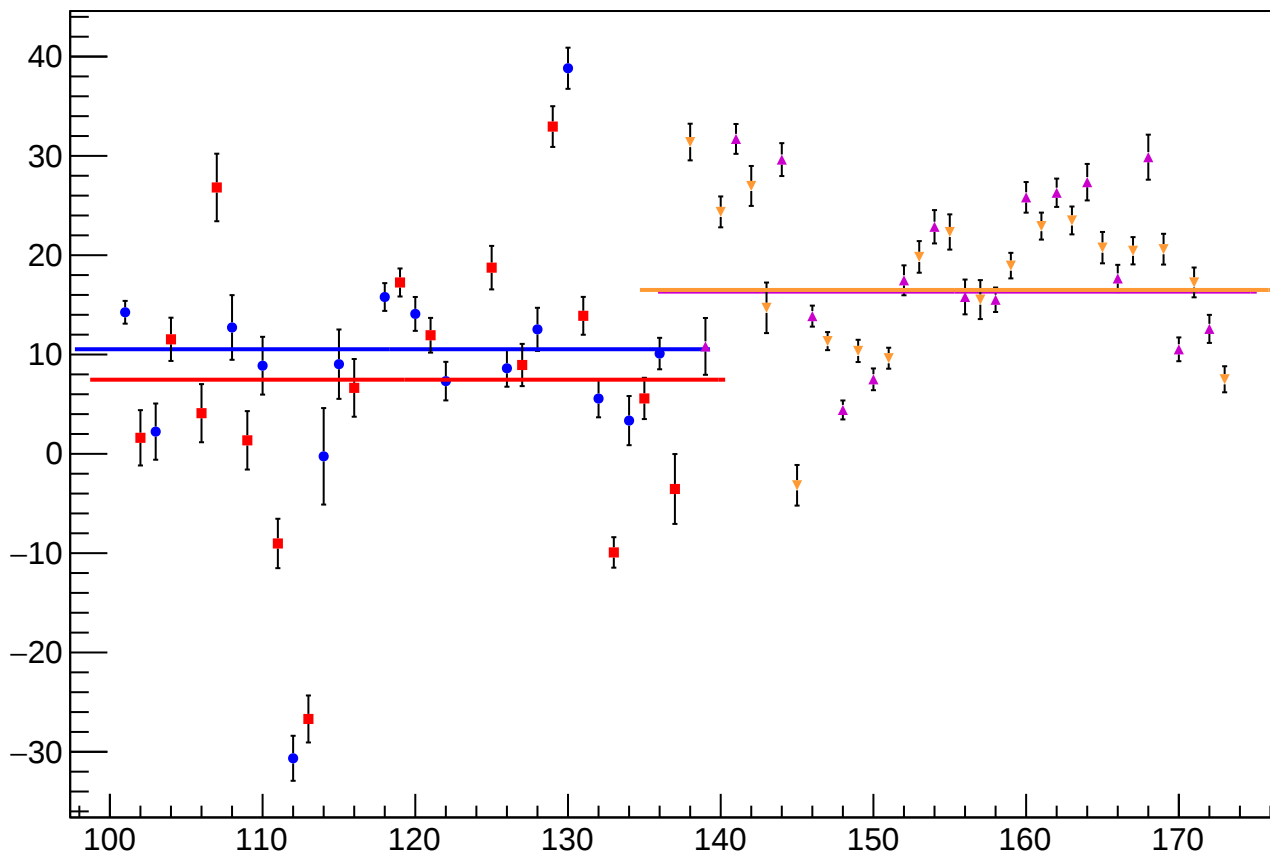
Right: 106.775 $\pm$ 0.583 χ^2 /NDF: 5299.0/32

In: 76.281 $\pm$ 0.361 χ^2 /NDF:5416.8/32

Out: 77.700 $\pm$ 0.361 χ^2 /NDF:5565.2/35

All: 76.990 $\pm$ 0.256 χ^2 /NDF: 10989.7/68

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.532 $\pm$ 0.493 χ^2 /NDF: 580.3/15

Left Out: 16.501 $\pm$ 0.329 χ^2 /NDF: 451.2/18

Right Out: 7.466 $\pm$ 0.525 χ^2 /NDF: 685.0/16

Left In: 16.332 $\pm$ 0.340 χ^2 /NDF: 605.4/16

Left: 16.419 $\pm$ 0.236 χ^2 /NDF: 1056.7/35

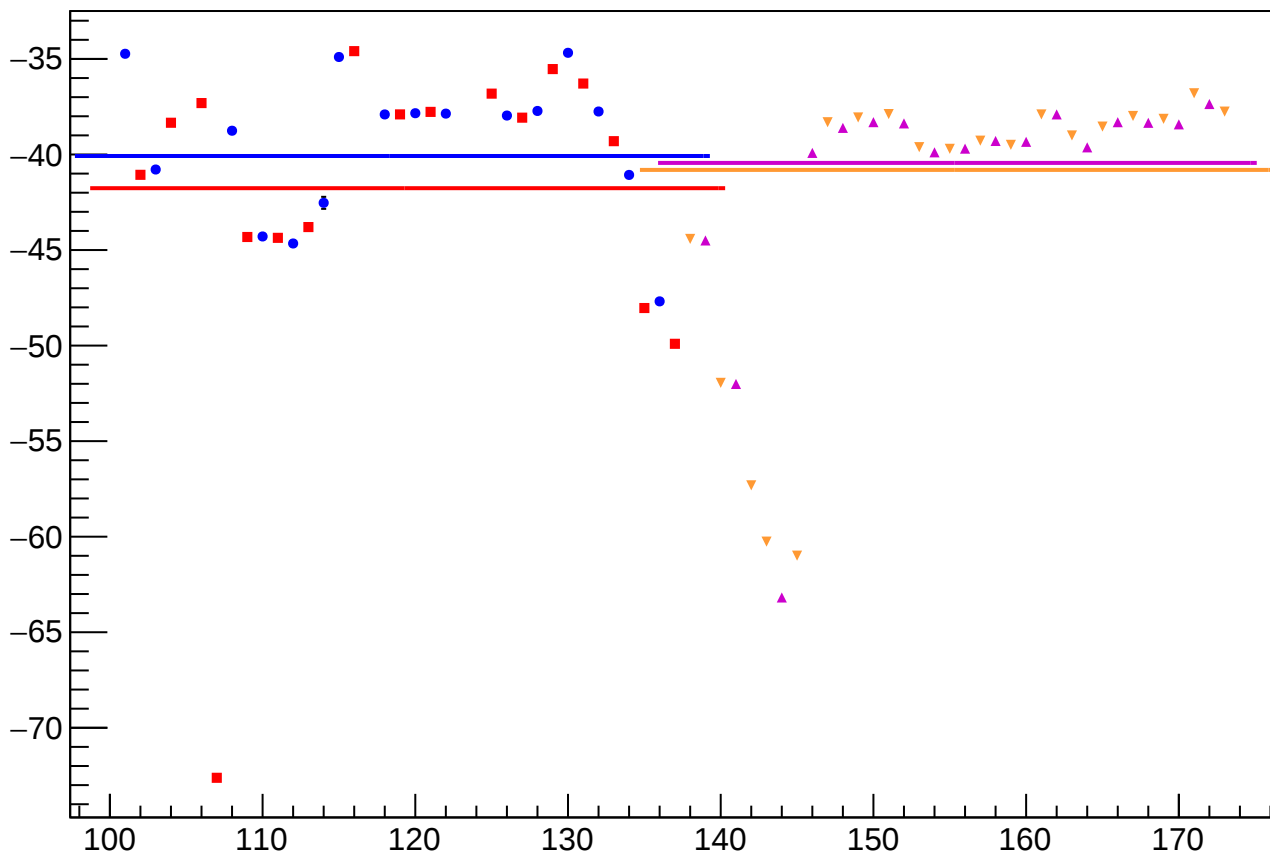
Right: 9.096 $\pm$ 0.359 χ^2 /NDF: 1283.4/32

In: 14.465 $\pm$ 0.280 χ^2 /NDF: 1279.6/32

Out: 13.956 $\pm$ 0.279 χ^2 /NDF: 1348.9/35

All: 14.210 $\pm$ 0.197 χ^2 /NDF: 2630.1/68

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.079+/-0.028 χ^2/NDF : 25147.0/15

Left Out: -40.807+/-0.016 χ^2/NDF :146324.8/18

Right Out: -41.764+/-0.029 χ^2/NDF : 60249.3/16

Left In: -40.441+/-0.016 χ^2/NDF :100364.1/16

Left: -40.625+/-0.011 χ^2/NDF : 246955.8/35

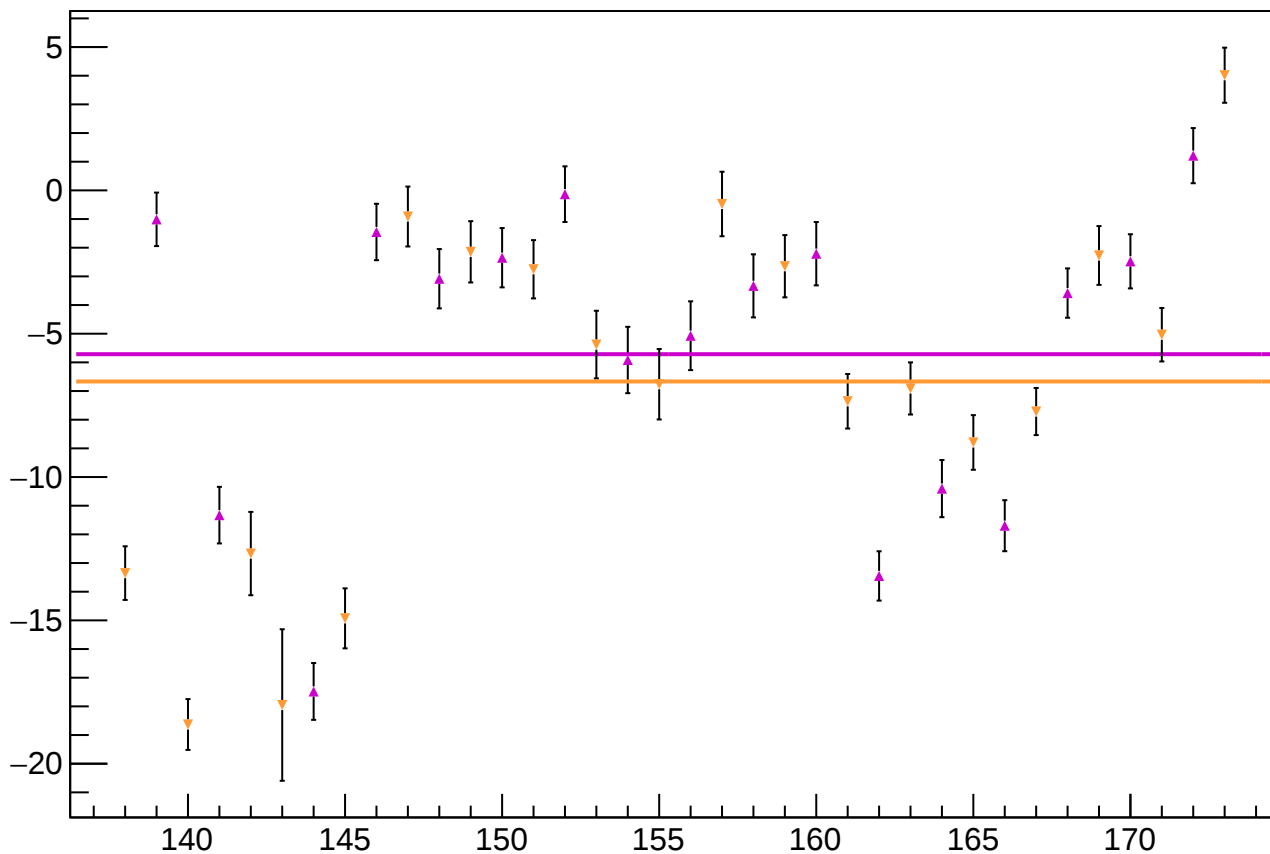
Right: -40.903+/-0.020 χ^2/NDF : 87139.1/32

In: -40.353+/-0.014 χ^2/NDF :125636.0/32

Out: -41.027+/-0.014 χ^2/NDF :207420.4/35

All: -40.691+/-0.010 χ^2/NDF : 334239.2/68

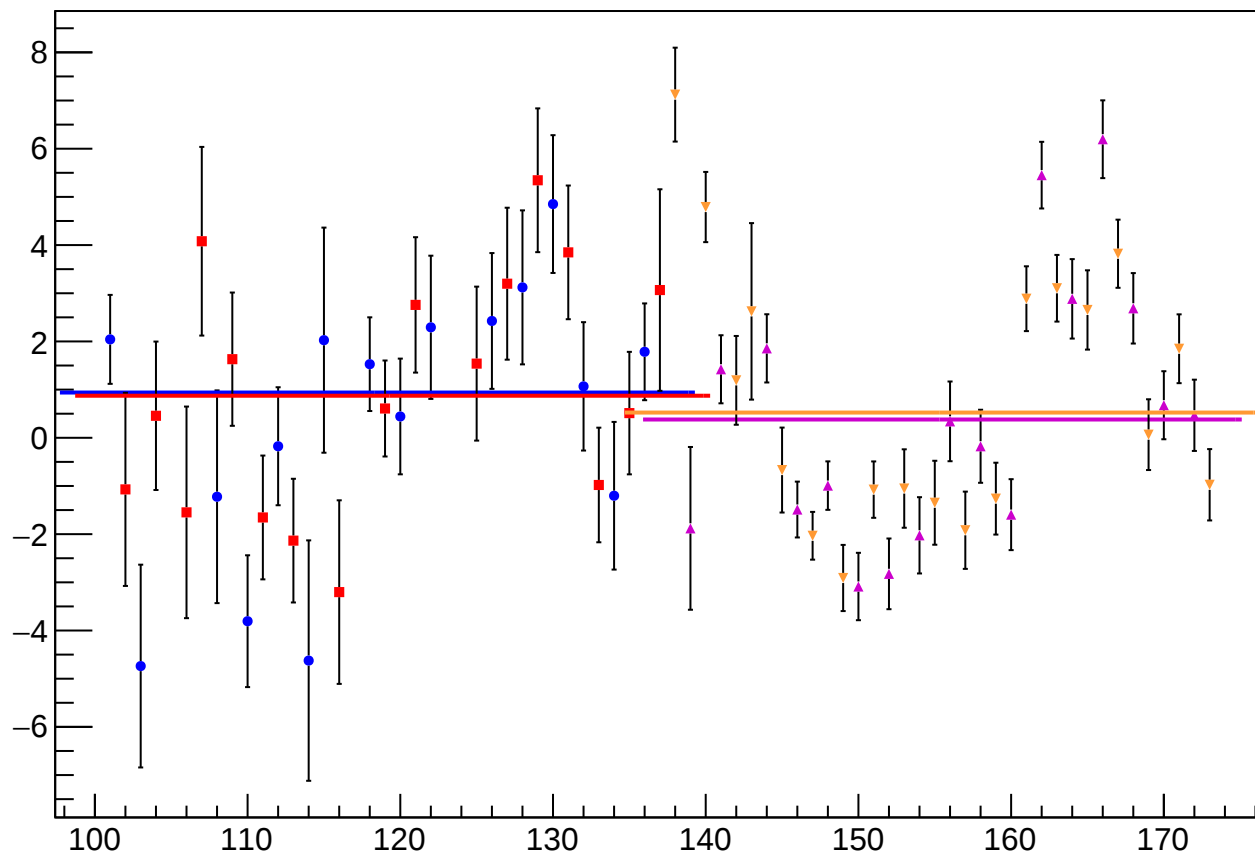
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.666 $\pm$ 0.237 χ^2 /NDF:591.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.715 $\pm$ 0.240 χ^2 /NDF:500.6/16

Left: -6.196 $\pm$ 0.169 χ^2 /NDF: 1099.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -5.715 $\pm$ 0.240 χ^2 /NDF:500.6/16
 Out: -6.666 $\pm$ 0.237 χ^2 /NDF:591.3/18
 All: -6.196 $\pm$ 0.169 χ^2 /NDF: 1099.8/35

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.939 ± 0.339 χ^2/NDF : 42.2/15

Left Out: 0.524 ± 0.170 χ^2/NDF : 228.9/18

Right Out: 0.873 ± 0.354 χ^2/NDF : 40.6/16

Left In: 0.380 ± 0.175 χ^2/NDF : 211.8/16

Left: 0.454 ± 0.122 χ^2/NDF : 441.0/35

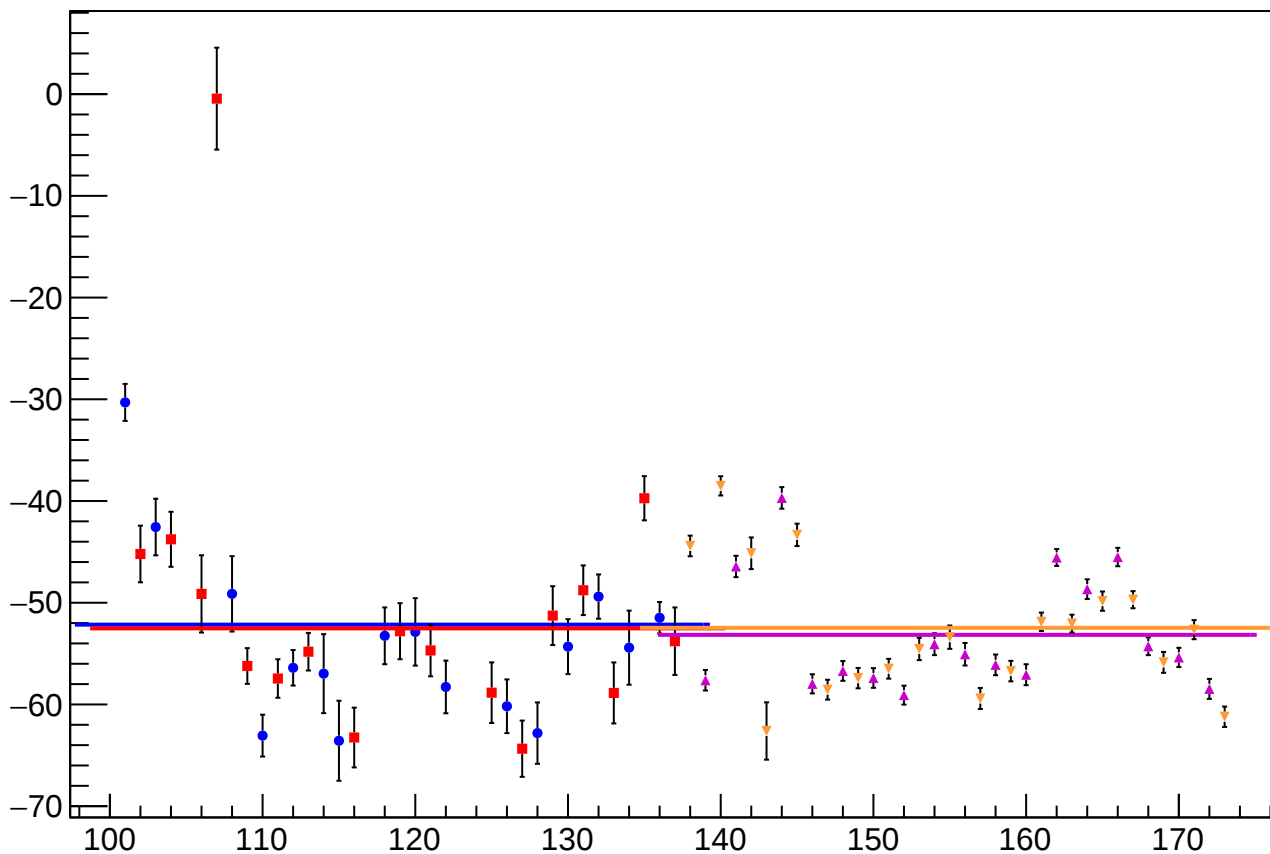
Right: 0.908 ± 0.245 χ^2/NDF : 82.8/32

In: 0.498 ± 0.156 χ^2/NDF : 256.2/32

Out: 0.590 ± 0.154 χ^2/NDF : 270.2/35

All: 0.544 ± 0.109 χ^2/NDF : 526.6/68

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.154 ± 0.613 χ^2/NDF : 231.1/15

Left Out: -52.465 ± 0.234 χ^2/NDF : 639.3/18

Right Out: -52.523 ± 0.618 χ^2/NDF : 217.7/16

Left In: -53.159 ± 0.236 χ^2/NDF : 561.2/16

Left: -52.810 ± 0.166 χ^2/NDF : 1204.9/35

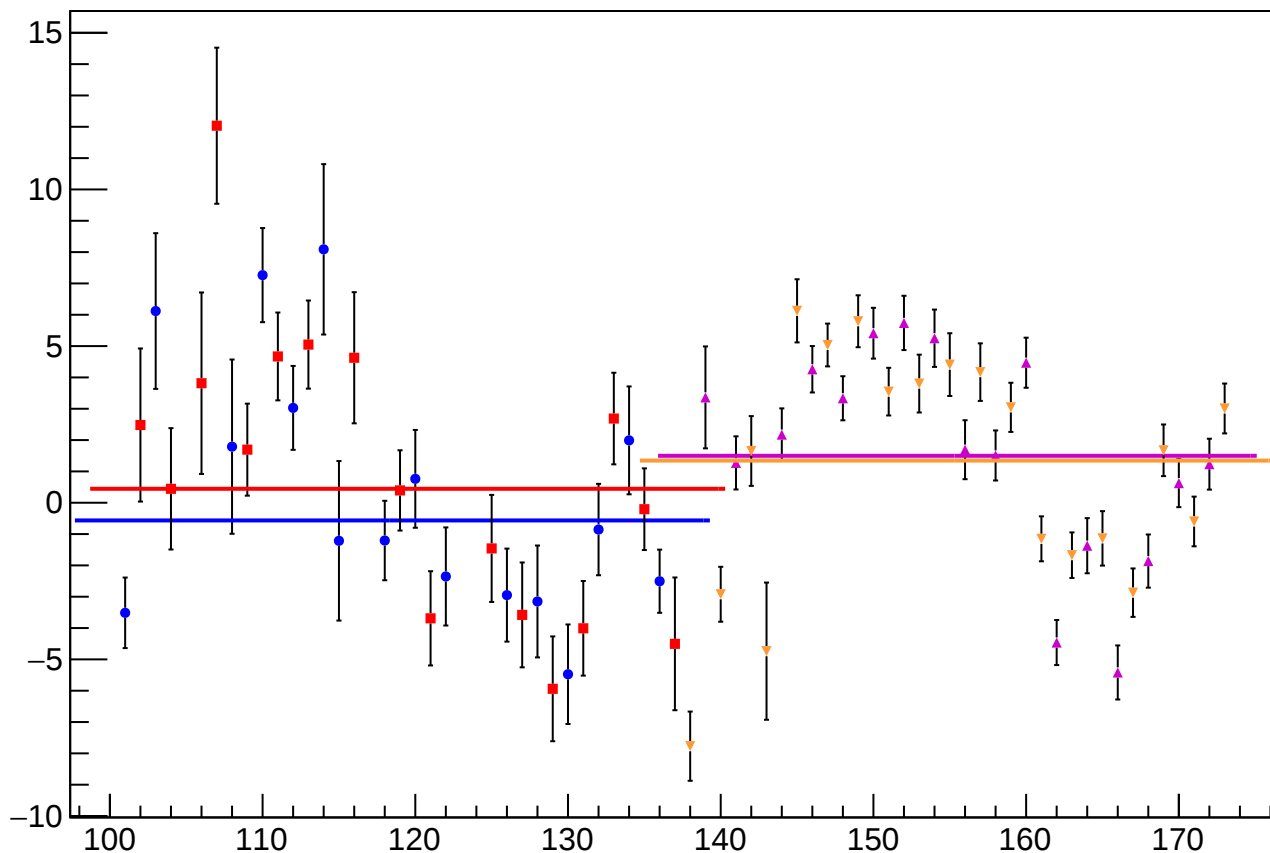
Right: -52.337 ± 0.435 χ^2/NDF : 449.0/32

In: -53.029 ± 0.220 χ^2/NDF : 794.6/32

Out: -52.472 ± 0.219 χ^2/NDF : 857.0/35

All: -52.750 ± 0.155 χ^2/NDF : 1654.8/68

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: 1.420 ± 0.141 χ^2/NDF : 558.5/35

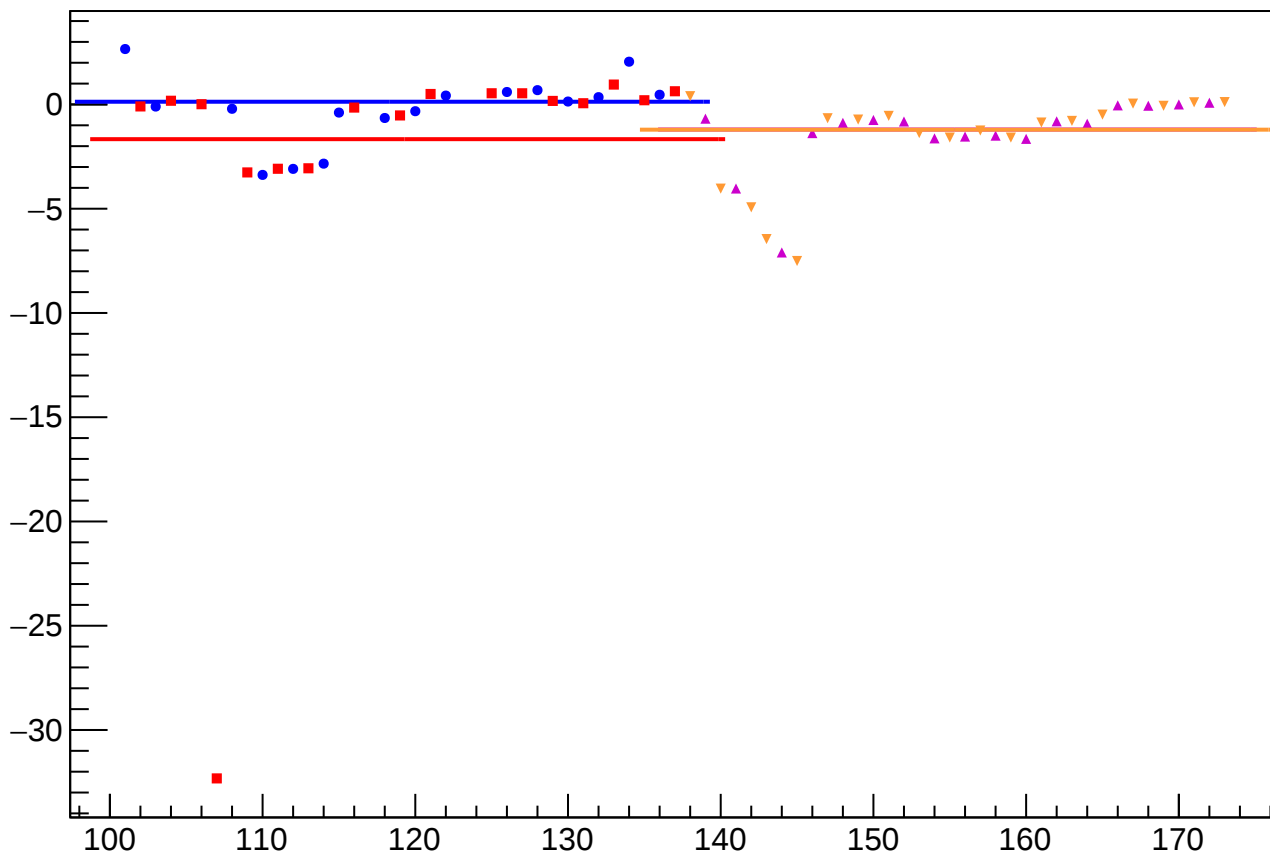
Right: -0.080 ± 0.277 χ^2/NDF : 179.3/32

In: 1.052 ± 0.179 χ^2/NDF : 365.8/32

Out: 1.171 ± 0.176 χ^2/NDF : 395.0/35

All: 1.112 ± 0.126 χ^2/NDF : 761.0/68

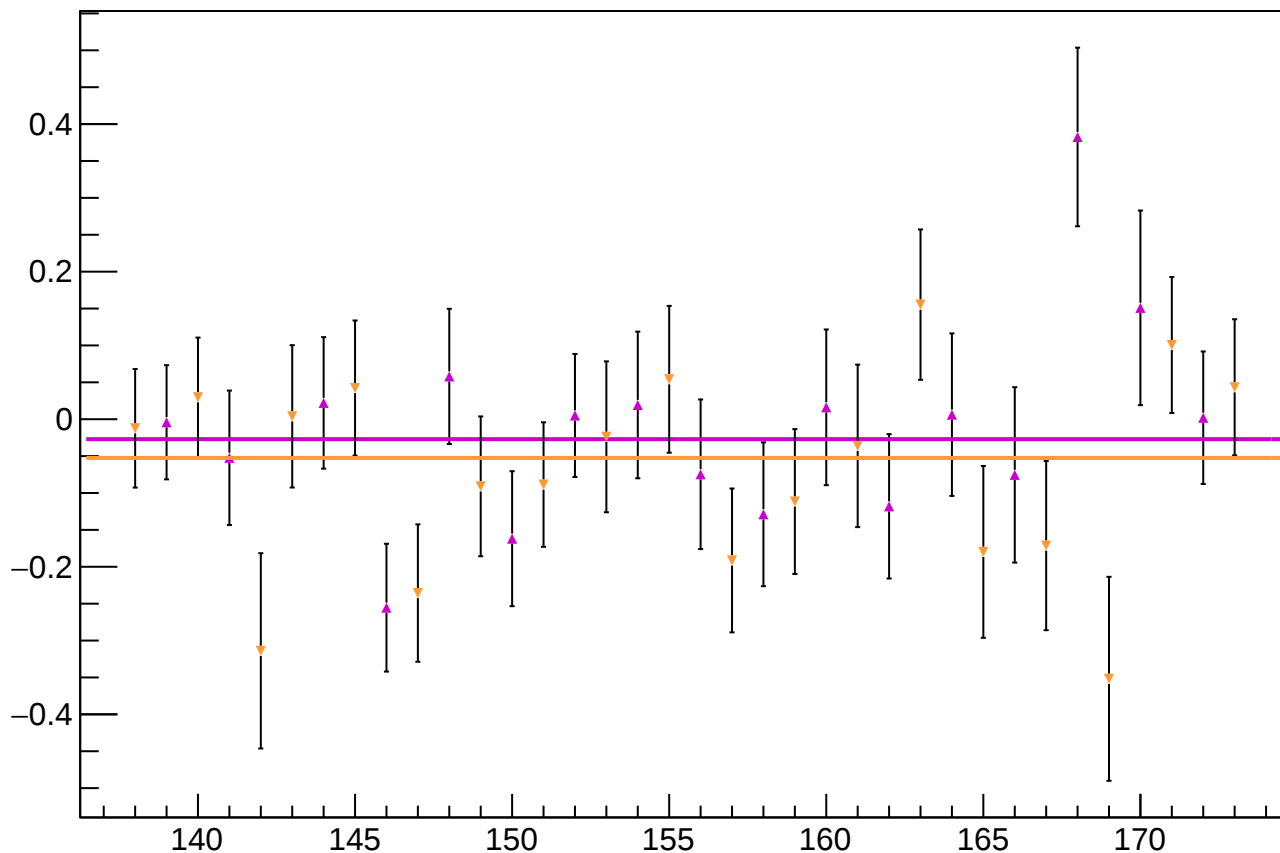
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.130 ± 0.022 $\chi^2/\text{NDF}: 5232.9/15$
 Left Out: -1.209 ± 0.009 $\chi^2/\text{NDF}: 39822.8/18$
 Right Out: -1.665 ± 0.022 $\chi^2/\text{NDF}: 77602.8/16$
 Left In: -1.203 ± 0.009 $\chi^2/\text{NDF}: 26408.8/16$

Left: -1.206 ± 0.006 $\chi^2/\text{NDF}: 66231.9/35$
 Right: -0.752 ± 0.015 $\chi^2/\text{NDF}: 86255.5/32$
 In: -0.997 ± 0.008 $\chi^2/\text{NDF}: 34889.2/32$
 Out: -1.276 ± 0.008 $\chi^2/\text{NDF}: 117794.7/35$
 All: -1.138 ± 0.006 $\chi^2/\text{NDF}: 153232.4/68$

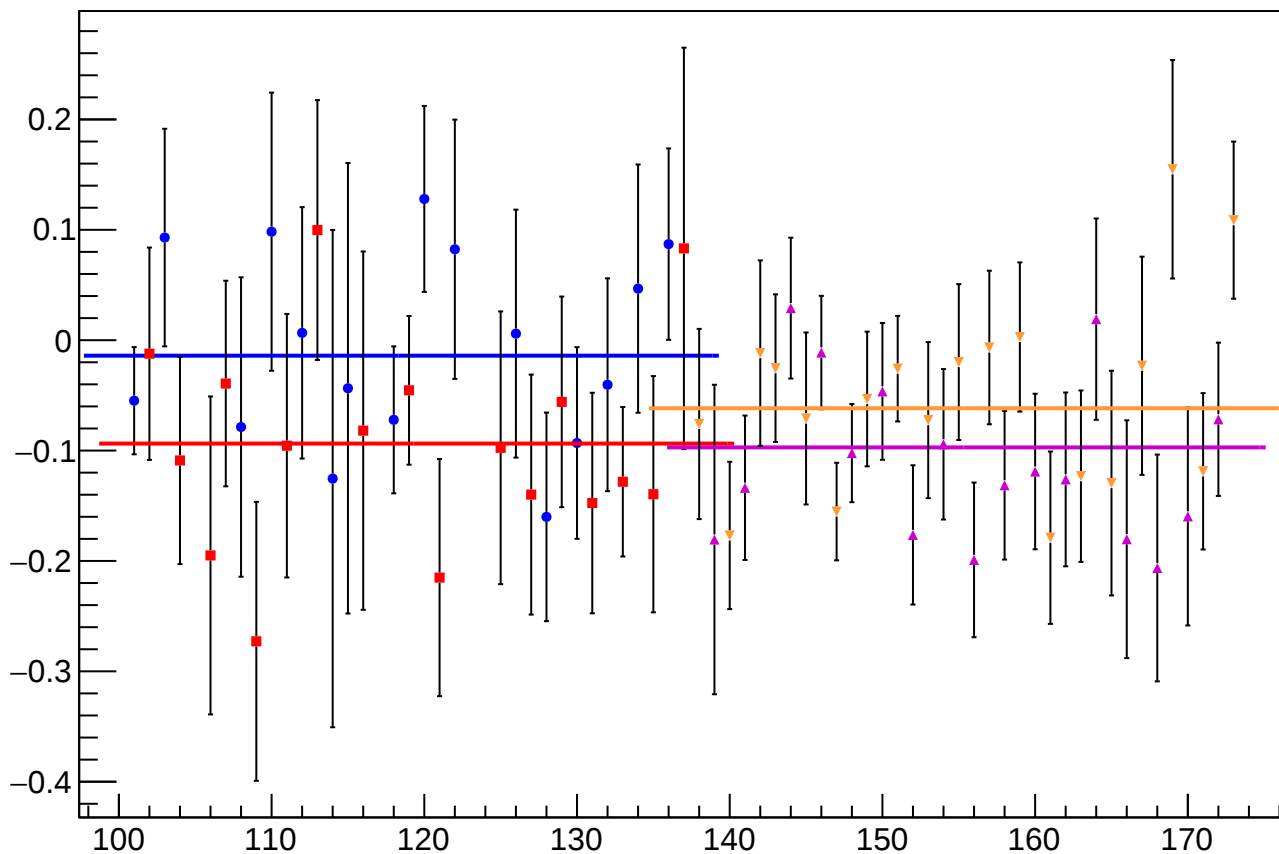
reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.052 $\pm$ 0.022 χ^2 /NDF:29.4/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.027 $\pm$ 0.023 χ^2 /NDF:26.8/16

Left: -0.040 $\pm$ 0.016 χ^2 /NDF: 56.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.027 $\pm$ 0.023 χ^2 /NDF:26.8/16
 Out: -0.052 $\pm$ 0.022 χ^2 /NDF:29.4/18
 All: -0.040 $\pm$ 0.016 χ^2 /NDF: 56.8/35

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.023 $\chi^2/\text{NDF}: 12.5/15$

Left Out: -0.062 ± 0.016 $\chi^2/\text{NDF}: 25.3/18$

Right Out: -0.094 ± 0.025 $\chi^2/\text{NDF}: 10.1/16$

Left In: -0.097 ± 0.017 $\chi^2/\text{NDF}: 16.1/16$

Left: -0.078 ± 0.012 $\chi^2/\text{NDF}: 43.8/35$

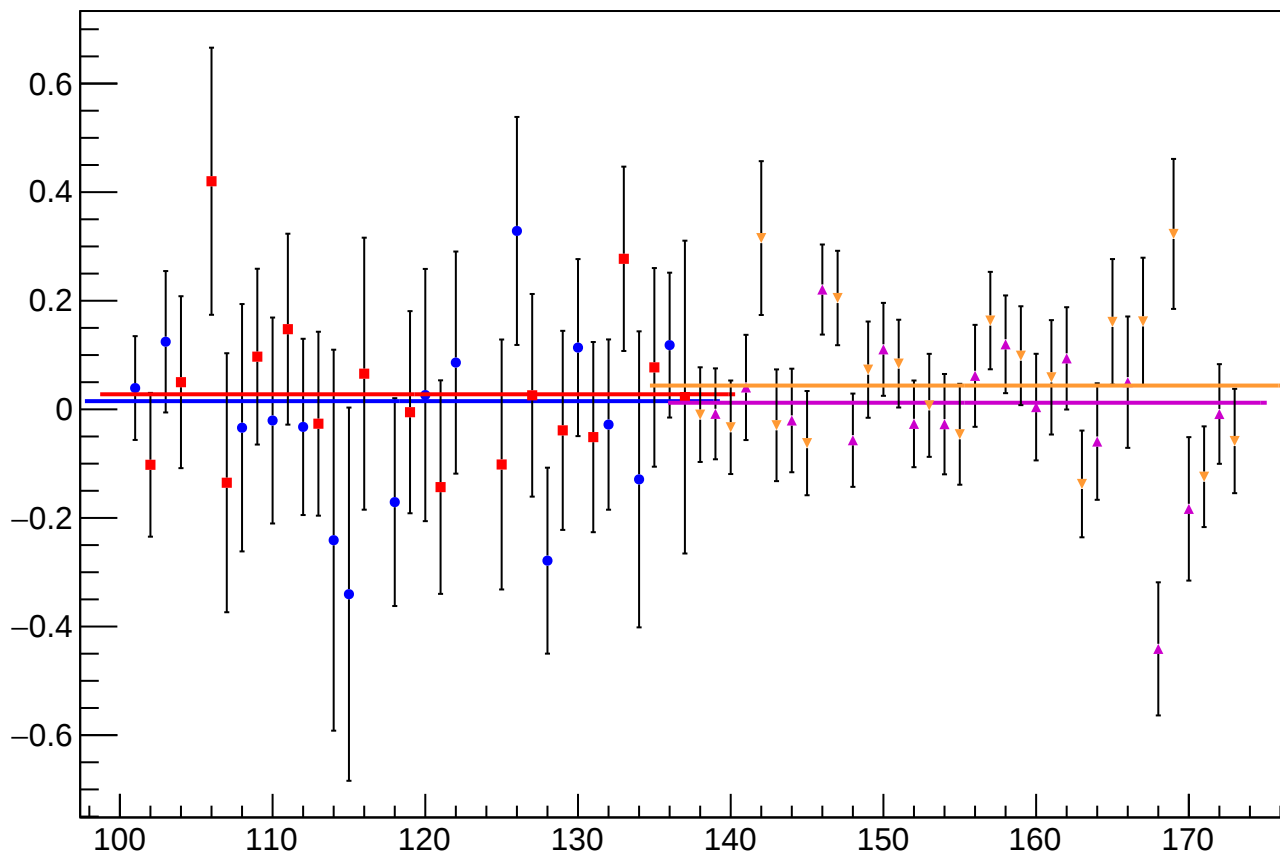
Right: -0.051 ± 0.017 $\chi^2/\text{NDF}: 28.1/32$

In: -0.069 ± 0.014 $\chi^2/\text{NDF}: 37.0/32$

Out: -0.071 ± 0.013 $\chi^2/\text{NDF}: 36.6/35$

All: -0.070 ± 0.010 $\chi^2/\text{NDF}: 73.6/68$

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.015 ± 0.043 $\chi^2/\text{NDF}: 10.1/15$

Left Out: 0.044 ± 0.022 $\chi^2/\text{NDF}: 27.6/18$

Right Out: 0.028 ± 0.045 $\chi^2/\text{NDF}: 8.4/16$

Left In: 0.012 ± 0.023 $\chi^2/\text{NDF}: 27.9/16$

Left: 0.028 ± 0.016 $\chi^2/\text{NDF}: 56.4/35$

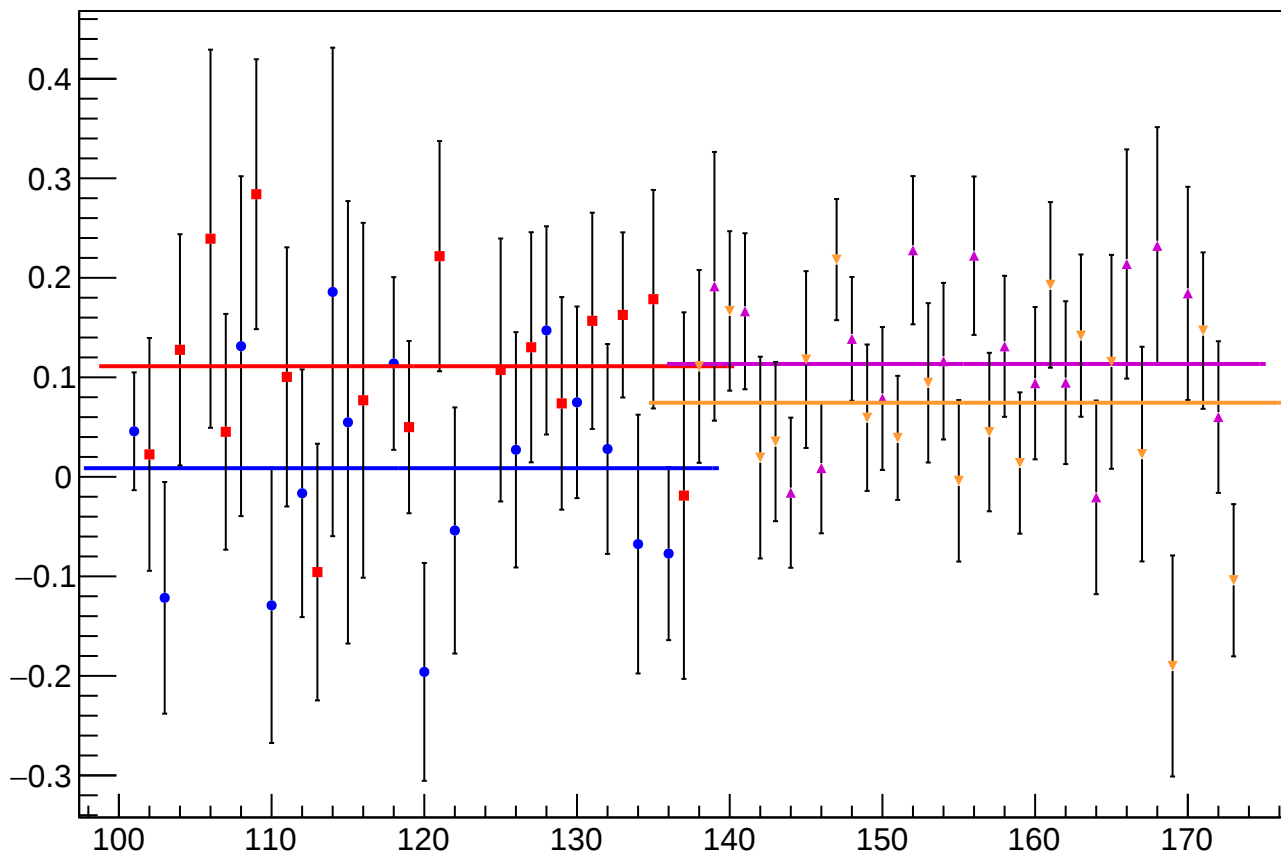
Right: 0.021 ± 0.031 $\chi^2/\text{NDF}: 18.6/32$

In: 0.013 ± 0.020 $\chi^2/\text{NDF}: 38.0/32$

Out: 0.041 ± 0.020 $\chi^2/\text{NDF}: 36.1/35$

All: 0.027 ± 0.014 $\chi^2/\text{NDF}: 75.0/68$

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.009 ± 0.027 χ^2/NDF : 12.6/15

Left Out: 0.074 ± 0.019 χ^2/NDF : 25.1/18

Right Out: 0.111 ± 0.029 χ^2/NDF : 8.6/16

Left In: 0.113 ± 0.020 χ^2/NDF : 15.7/16

Left: 0.093 ± 0.013 χ^2/NDF : 42.8/35

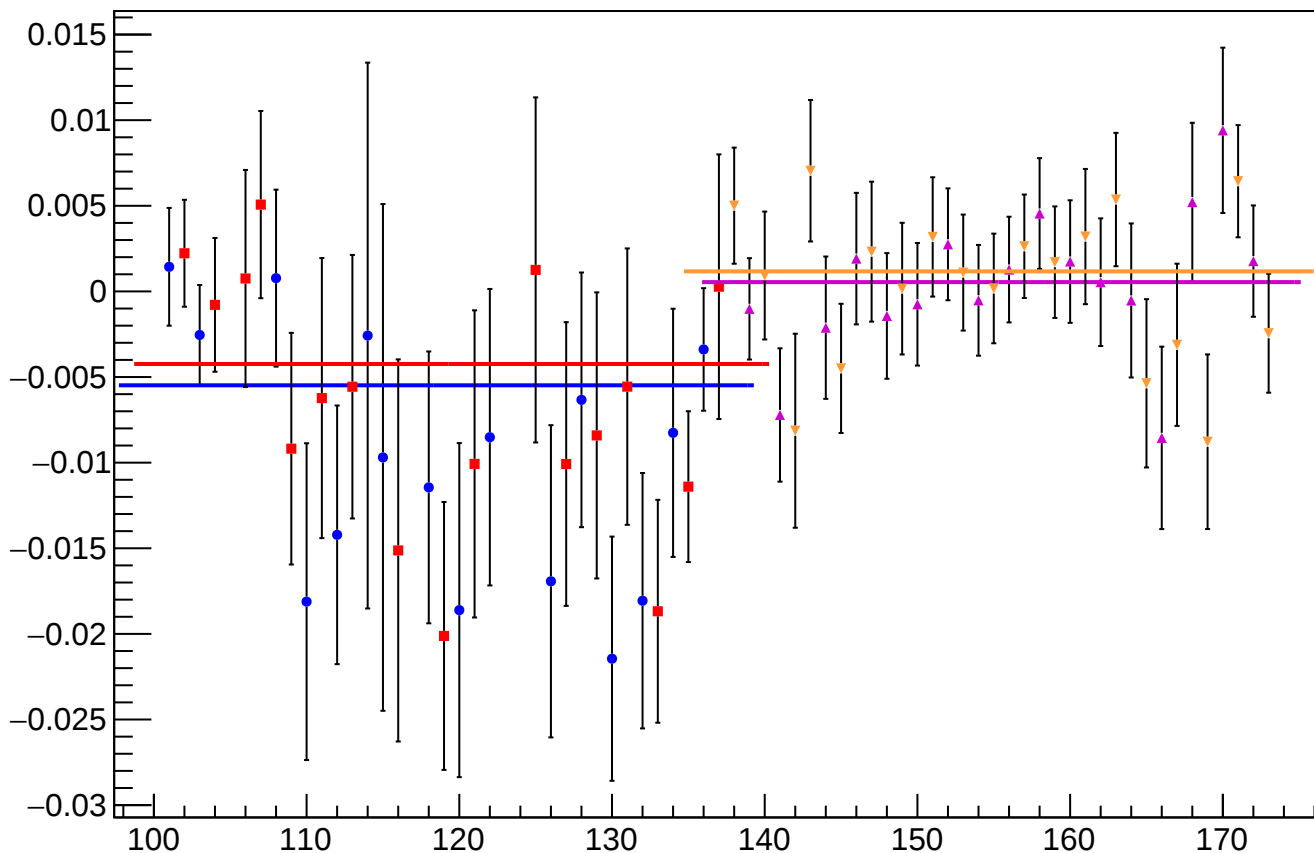
Right: 0.057 ± 0.020 χ^2/NDF : 28.0/32

In: 0.077 ± 0.016 χ^2/NDF : 38.1/32

Out: 0.085 ± 0.016 χ^2/NDF : 34.9/35

All: 0.081 ± 0.011 χ^2/NDF : 73.1/68

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 22.3/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 20.6/18

Right Out: -0.004 ± 0.001 χ^2/NDF : 23.7/16

Left In: 0.001 ± 0.001 χ^2/NDF : 15.0/16

Left: 0.001 ± 0.001 χ^2/NDF : 35.8/35

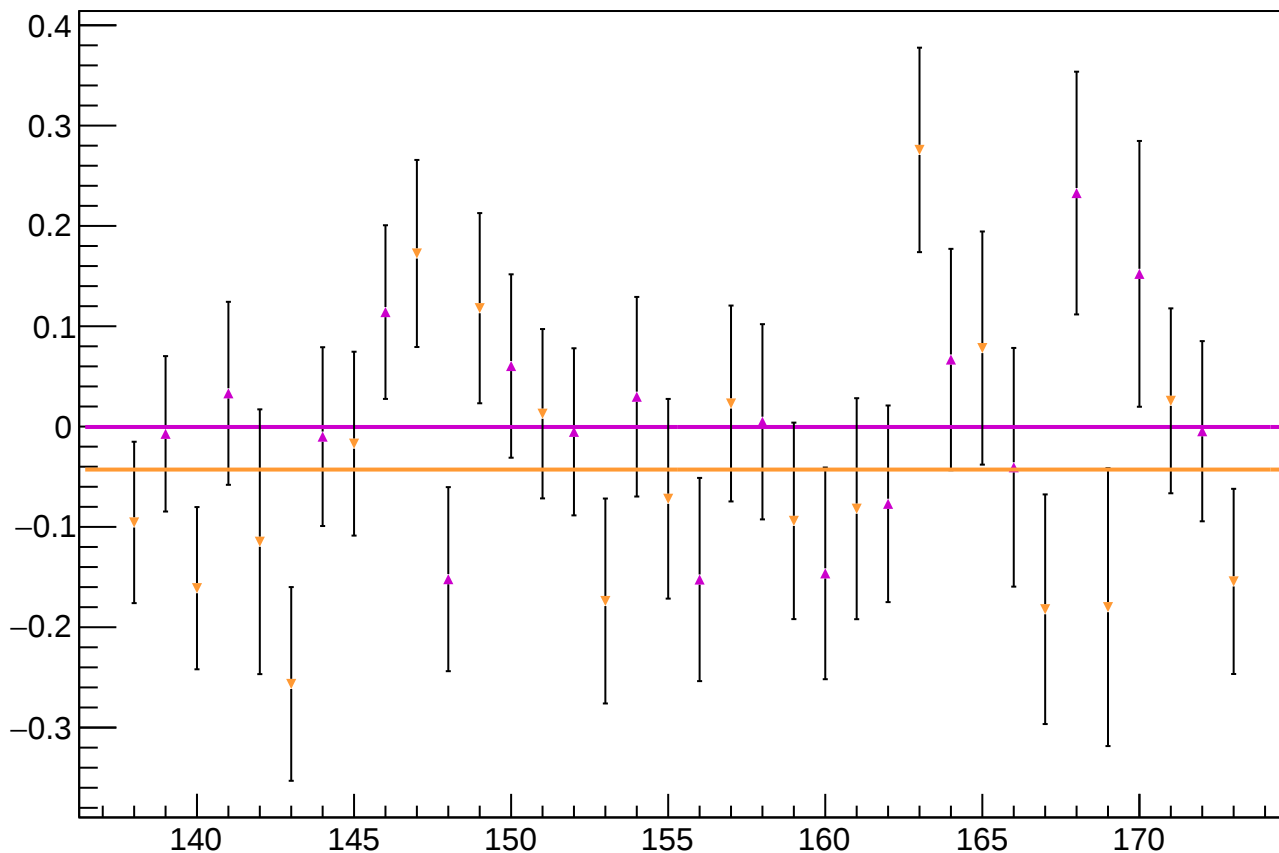
Right: -0.005 ± 0.001 χ^2/NDF : 46.3/32

In: -0.001 ± 0.001 χ^2/NDF : 49.9/32

Out: -0.000 ± 0.001 χ^2/NDF : 54.4/35

All: -0.001 ± 0.001 χ^2/NDF : 105.0/68

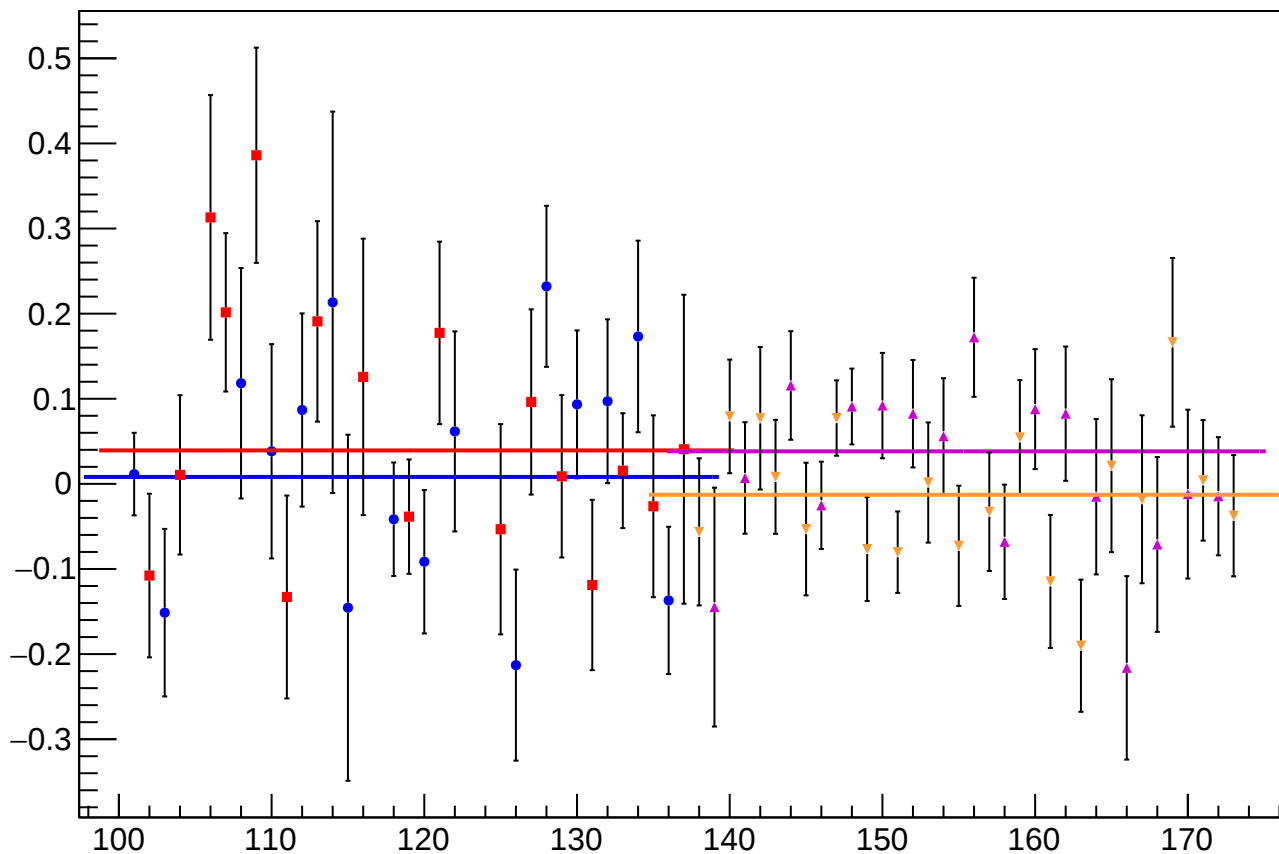
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.043 $\pm$ 0.022 χ^2 /NDF:34.4/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.000 $\pm$ 0.023 χ^2 /NDF:15.5/16

Left: -0.022 $\pm$ 0.016 χ^2 /NDF: 51.6/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.000 $\pm$ 0.023 χ^2 /NDF:15.5/16
 Out: -0.043 $\pm$ 0.022 χ^2 /NDF:34.4/18
 All: -0.022 $\pm$ 0.016 χ^2 /NDF: 51.6/35

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.023 χ^2 /NDF: 23.7/15

Left Out: -0.013 $\pm$ 0.016 χ^2 /NDF:23.2/18

Right Out: 0.039 $\pm$ 0.025 χ^2 /NDF: 27.6/16

Left In: 0.038 $\pm$ 0.017 χ^2 /NDF:22.5/16

Left: 0.011 $\pm$ 0.012 χ^2 /NDF: 50.6/35

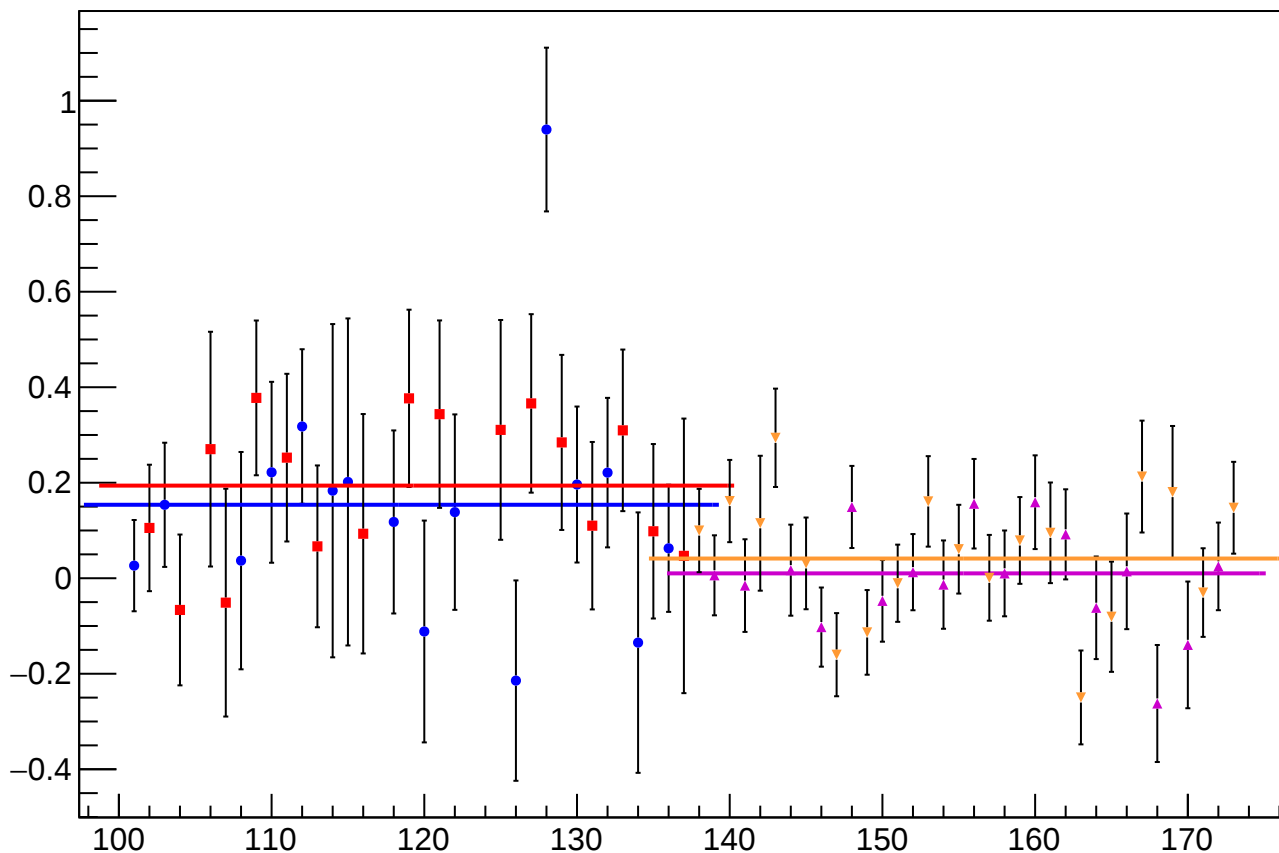
Right: 0.023 $\pm$ 0.017 χ^2 /NDF: 52.1/32

In: 0.028 $\pm$ 0.014 χ^2 /NDF:47.3/32

Out: 0.002 $\pm$ 0.013 χ^2 /NDF:53.9/35

All: 0.015 $\pm$ 0.010 χ^2 /NDF: 103.0/68

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 30.5/15

Left Out: 0.041 $\pm$ 0.022 χ^2 /NDF:34.6/18

Right Out: 0.194 $\pm$ 0.045 χ^2 /NDF: 10.6/16

Left In: 0.010 $\pm$ 0.023 χ^2 /NDF:17.2/16

Left: 0.026 $\pm$ 0.016 χ^2 /NDF: 52.8/35

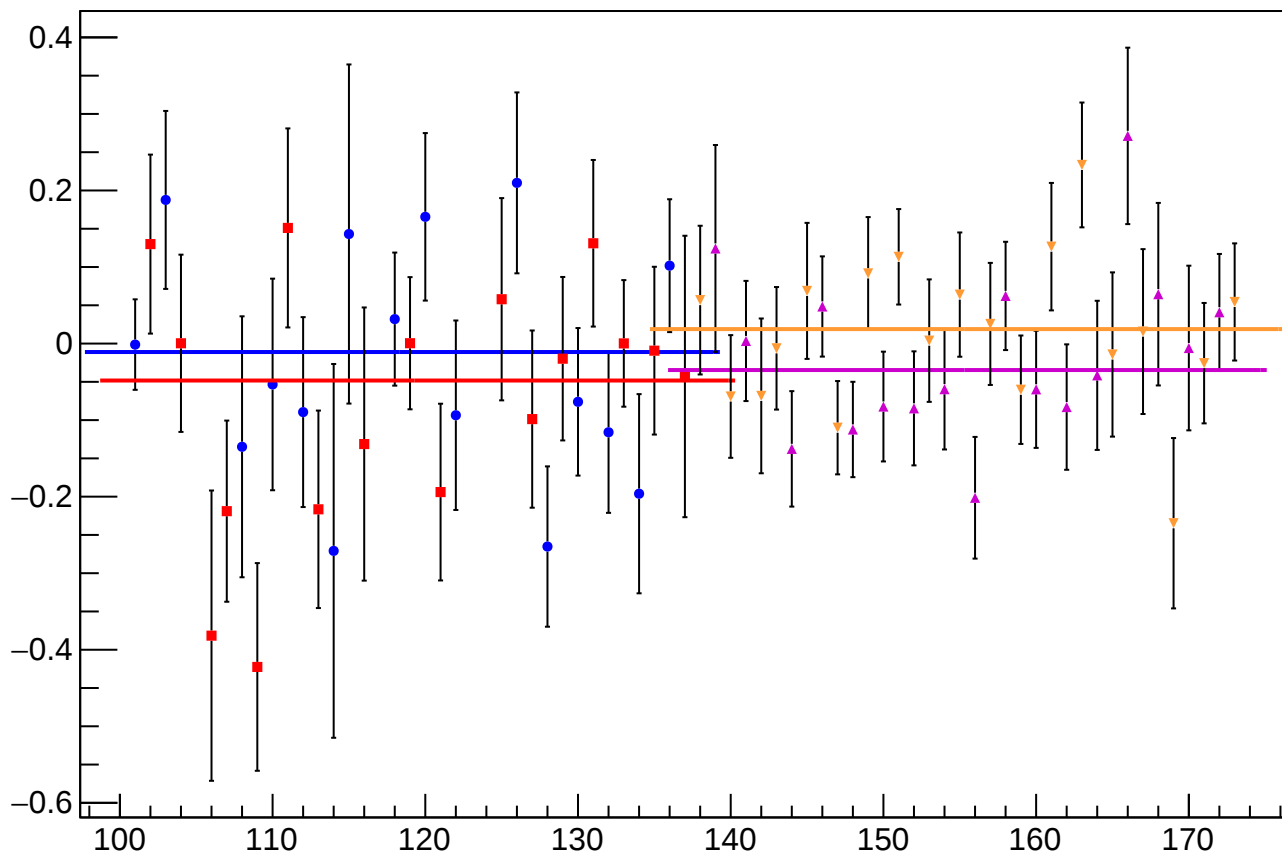
Right: 0.173 $\pm$ 0.031 χ^2 /NDF: 41.5/32

In: 0.042 $\pm$ 0.020 χ^2 /NDF:56.5/32

Out: 0.071 $\pm$ 0.020 χ^2 /NDF:54.5/35

All: 0.057 $\pm$ 0.014 χ^2 /NDF: 112.0/68

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.027 χ^2/NDF : 23.4/15

Left Out: 0.019 ± 0.019 χ^2/NDF : 26.3/18

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.6/16

Left In: -0.035 ± 0.020 χ^2/NDF : 23.2/16

Left: -0.006 ± 0.013 χ^2/NDF : 53.4/35

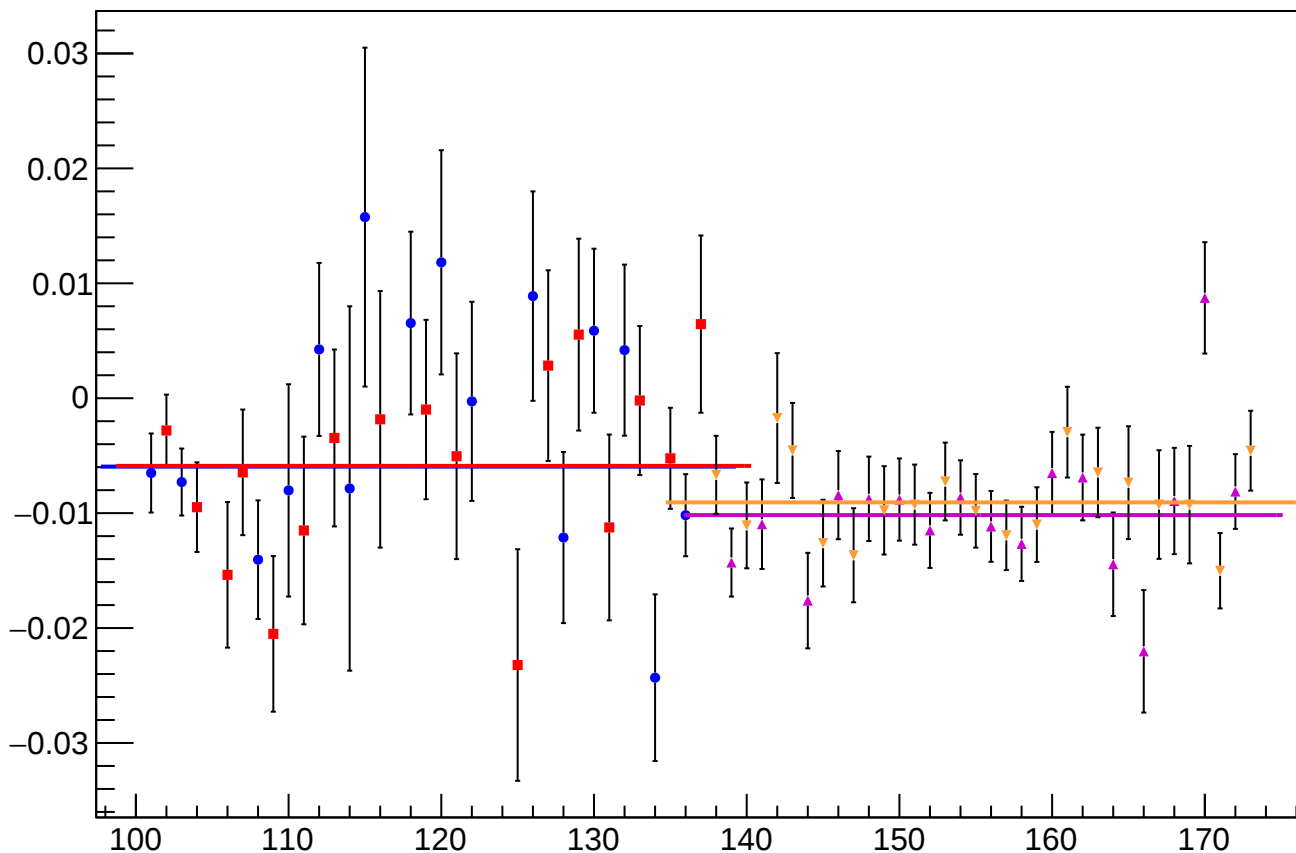
Right: -0.029 ± 0.020 χ^2/NDF : 49.9/32

In: -0.026 ± 0.016 χ^2/NDF : 47.1/32

Out: -0.001 ± 0.016 χ^2/NDF : 55.7/35

All: -0.014 ± 0.011 χ^2/NDF : 104.1/68

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 28.7/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:15.4/18

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 19.6/16

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:30.1/16

Left: -0.010 $\pm$ 0.001 χ^2 /NDF: 46.3/35

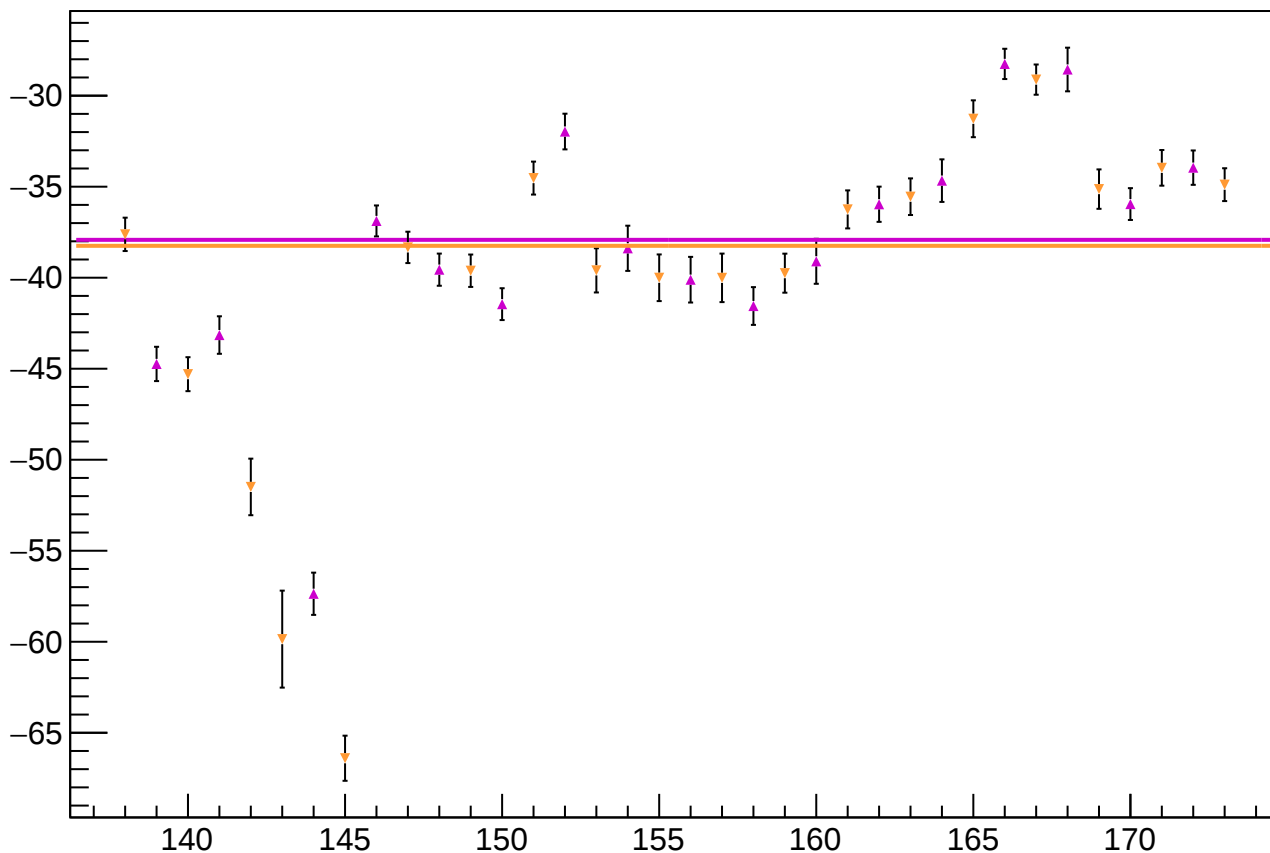
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 48.3/32

In: -0.009 $\pm$ 0.001 χ^2 /NDF:65.1/32

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:38.4/35

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 104.0/68

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.248 $\pm$ 0.239 χ^2 /NDF:958.5/18

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

Left In: -37.920 $\pm$ 0.242 χ^2 /NDF:663.9/16

Left: -38.086 $\pm$ 0.170 χ^2 /NDF: 1623.3/35

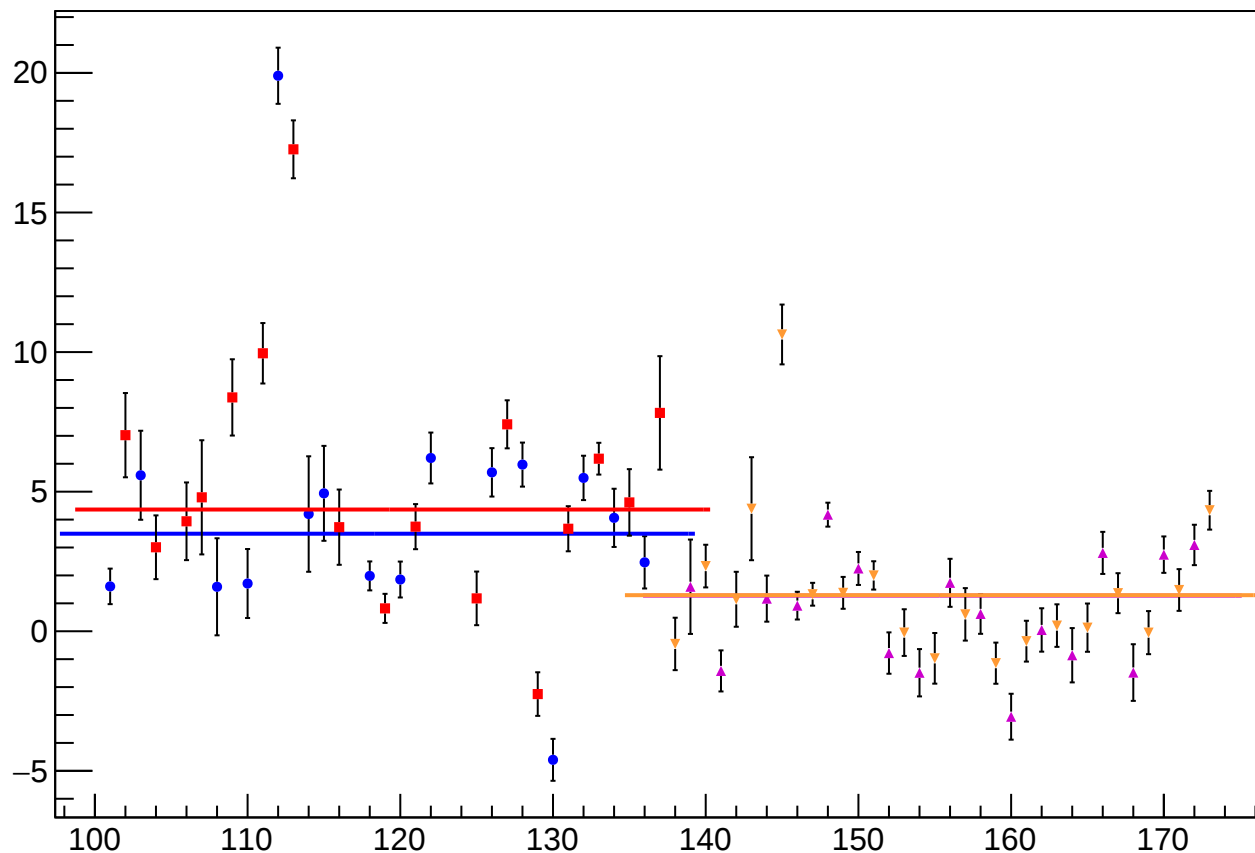
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -37.920 $\pm$ 0.242 χ^2 /NDF:663.9/16

Out: -38.248 $\pm$ 0.239 χ^2 /NDF:958.5/18

All: -38.086 $\pm$ 0.170 χ^2 /NDF: 1623.3/35

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.494 ± 0.218 $\chi^2/\text{NDF}: 444.9/15$

Left Out: 1.292 ± 0.167 $\chi^2/\text{NDF}: 137.6/18$

Right Out: 4.360 ± 0.225 $\chi^2/\text{NDF}: 351.0/16$

Left In: 1.277 ± 0.172 $\chi^2/\text{NDF}: 139.9/16$

Left: 1.285 ± 0.120 $\chi^2/\text{NDF}: 277.5/35$

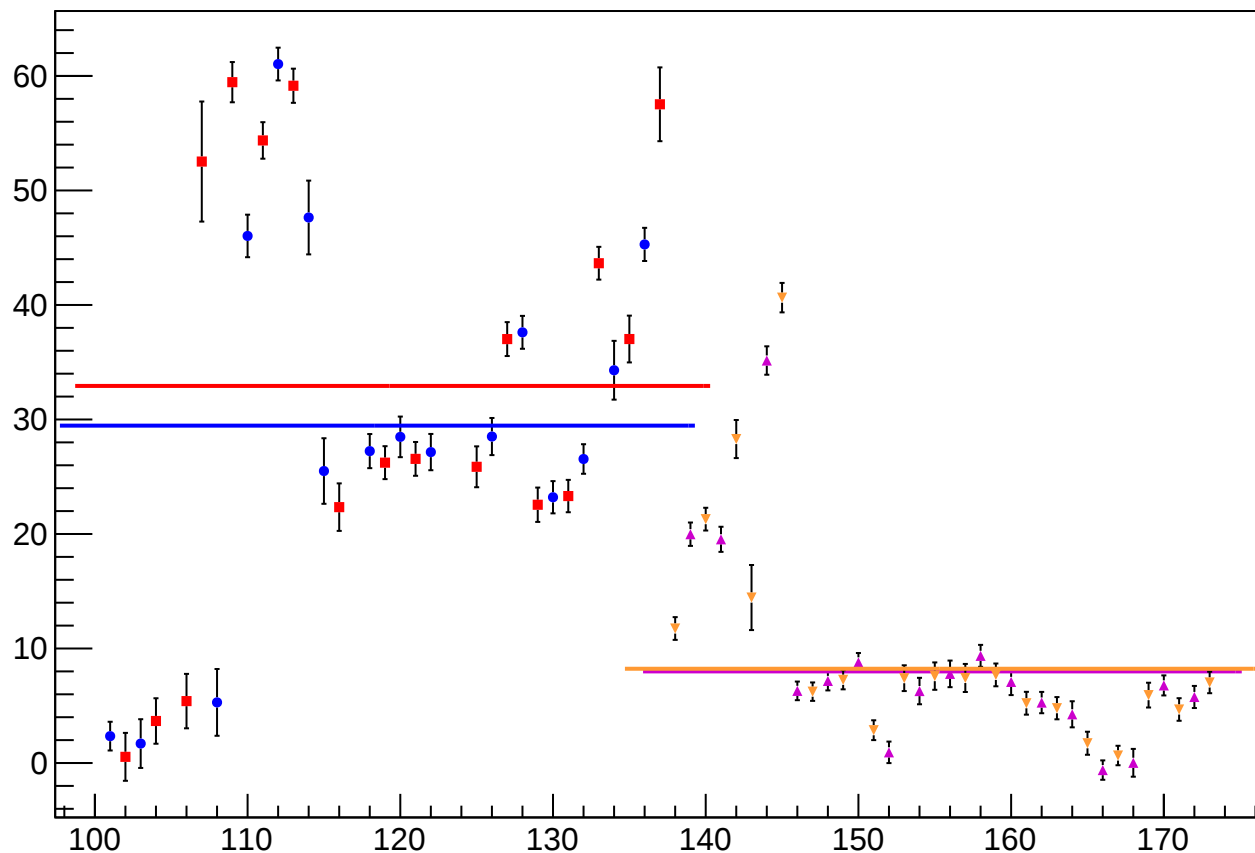
Right: 3.912 ± 0.157 $\chi^2/\text{NDF}: 803.5/32$

In: 2.130 ± 0.135 $\chi^2/\text{NDF}: 648.6/32$

Out: 2.377 ± 0.134 $\chi^2/\text{NDF}: 608.4/35$

All: 2.254 ± 0.095 $\chi^2/\text{NDF}: 1258.7/68$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.463 $\pm$ 0.418 χ^2 /NDF: 1491.6/15

Left Out: 8.232 $\pm$ 0.235 χ^2 /NDF:1180.2/18

Right Out: 32.930 $\pm$ 0.423 χ^2 /NDF: 1624.4/16

Left In: 8.000 $\pm$ 0.237 χ^2 /NDF:968.6/16

Left: 8.117 $\pm$ 0.167 χ^2 /NDF: 2149.3/35

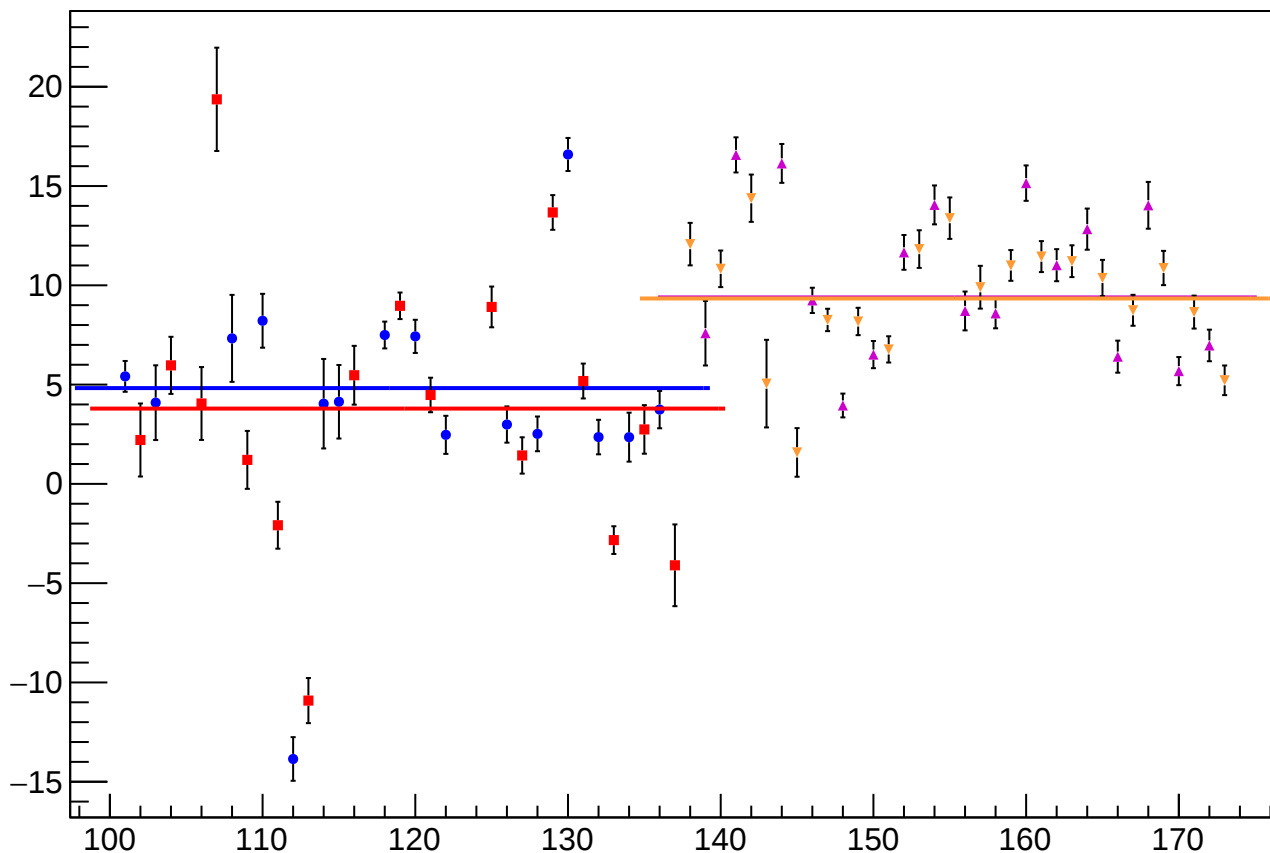
Right: 31.172 $\pm$ 0.297 χ^2 /NDF: 3150.0/32

In: 13.242 $\pm$ 0.206 χ^2 /NDF:4457.3/32

Out: 14.058 $\pm$ 0.206 χ^2 /NDF:5403.4/35

All: 13.651 $\pm$ 0.146 χ^2 /NDF: 9868.6/68

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.824 ± 0.252 $\chi^2/\text{NDF}: 552.9/15$

Left Out: 9.337 ± 0.195 $\chi^2/\text{NDF}: 168.4/18$

Right Out: 3.792 ± 0.259 $\chi^2/\text{NDF}: 563.6/16$

Left In: 9.391 ± 0.201 $\chi^2/\text{NDF}: 368.2/16$

Left: 9.363 ± 0.140 $\chi^2/\text{NDF}: 536.6/35$

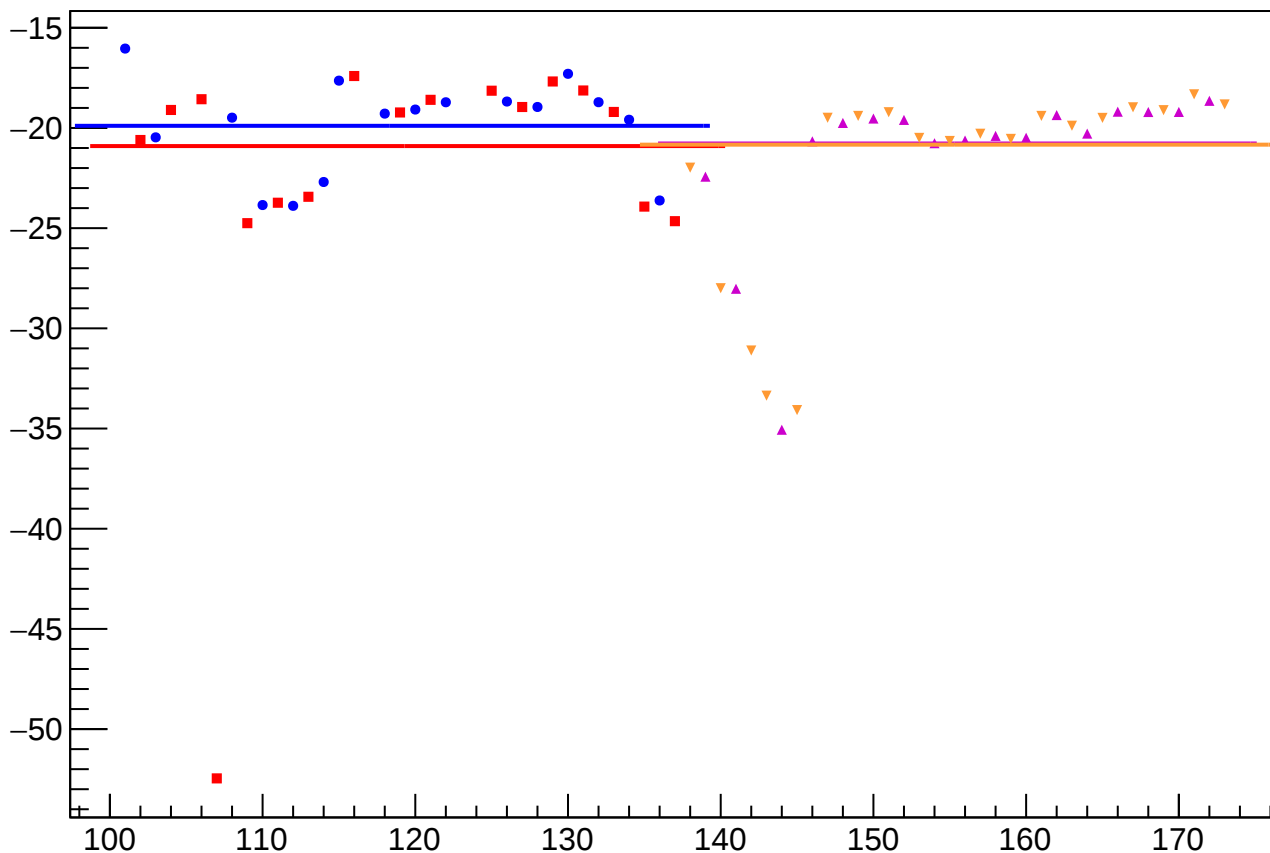
Right: 4.323 ± 0.180 $\chi^2/\text{NDF}: 1124.7/32$

In: 7.615 ± 0.157 $\chi^2/\text{NDF}: 1122.4/32$

Out: 7.335 ± 0.156 $\chi^2/\text{NDF}: 1024.9/35$

All: 7.473 ± 0.111 $\chi^2/\text{NDF}: 2148.9/68$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.892 ± 0.016 $\chi^2/\text{NDF}: 26092.3/15$

Left Out: -20.833 ± 0.009 $\chi^2/\text{NDF}: 153045.3/18$

Right Out: -20.904 ± 0.016 $\chi^2/\text{NDF}: 92802.8/16$

Left In: -20.774 ± 0.009 $\chi^2/\text{NDF}: 111867.5/16$

Left: -20.804 ± 0.007 $\chi^2/\text{NDF}: 264933.0/35$

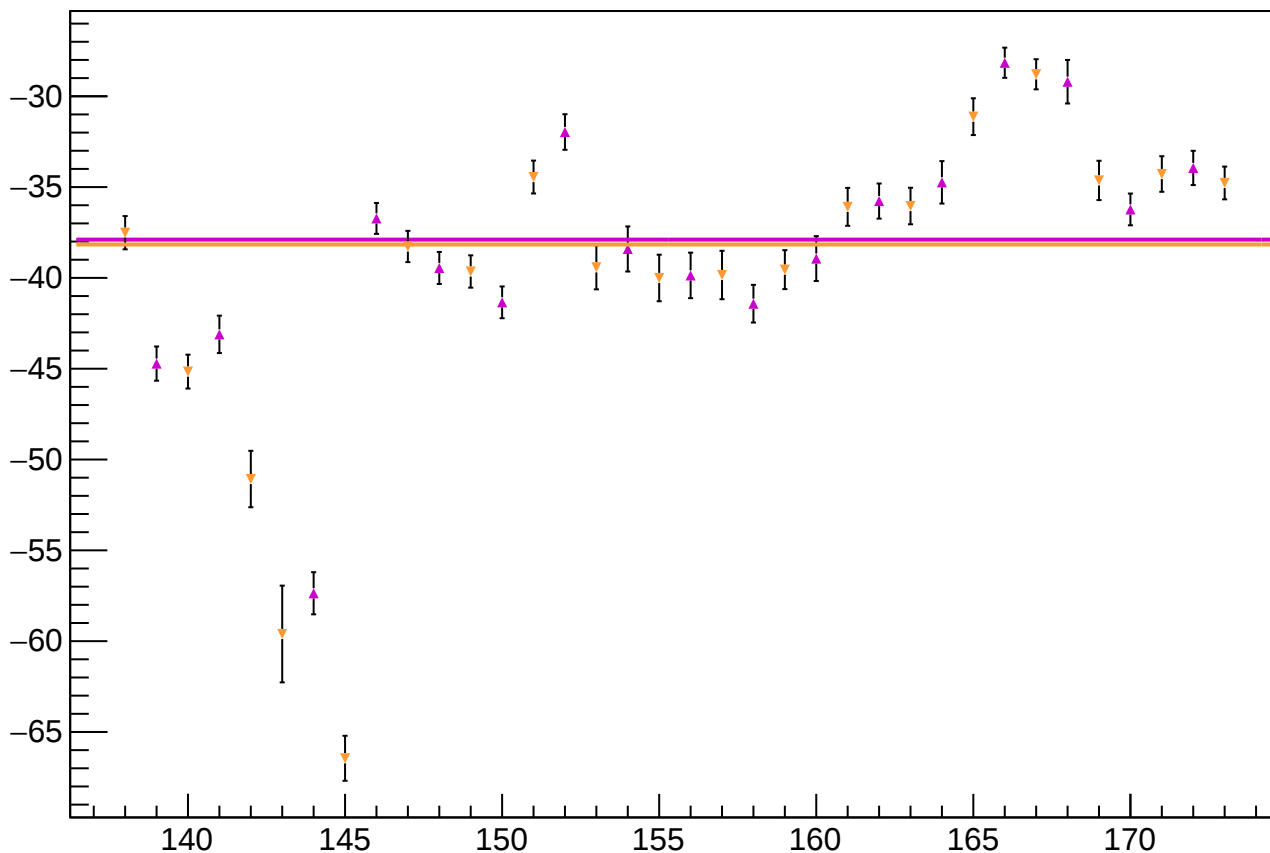
Right: -20.393 ± 0.011 $\chi^2/\text{NDF}: 120979.2/32$

In: -20.542 ± 0.008 $\chi^2/\text{NDF}: 140318.5/32$

Out: -20.851 ± 0.008 $\chi^2/\text{NDF}: 245863.1/35$

All: -20.697 ± 0.006 $\chi^2/\text{NDF}: 386930.7/68$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



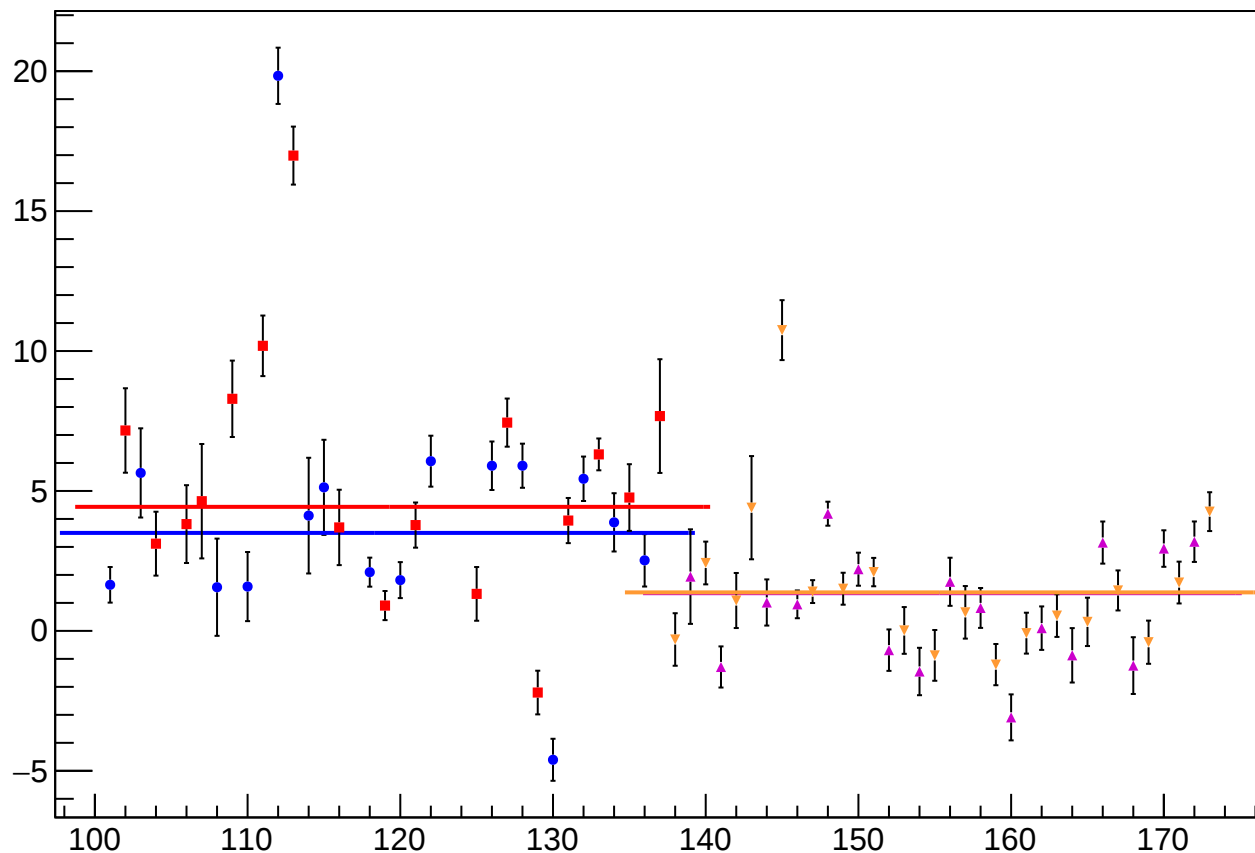
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -38.161 $\pm$ 0.239 χ^2 /NDF:963.1/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -37.893 $\pm$ 0.242 χ^2 /NDF:655.6/16

Left: -38.029 $\pm$ 0.170 χ^2 /NDF: 1619.3/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -37.893 $\pm$ 0.242 χ^2 /NDF:655.6/16
 Out: -38.161 $\pm$ 0.239 χ^2 /NDF:963.1/18

All: -38.029 $\pm$ 0.170 χ^2 /NDF: 1619.3/35

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.501 $\pm$ 0.218 χ^2 /NDF: 441.9/15

Left Out: 1.376 $\pm$ 0.167 χ^2 /NDF:137.8/18

Right Out: 4.432 $\pm$ 0.225 χ^2 /NDF: 343.6/16

Left In: 1.347 $\pm$ 0.172 χ^2 /NDF:140.7/16

Left: 1.362 $\pm$ 0.120 χ^2 /NDF: 278.5/35

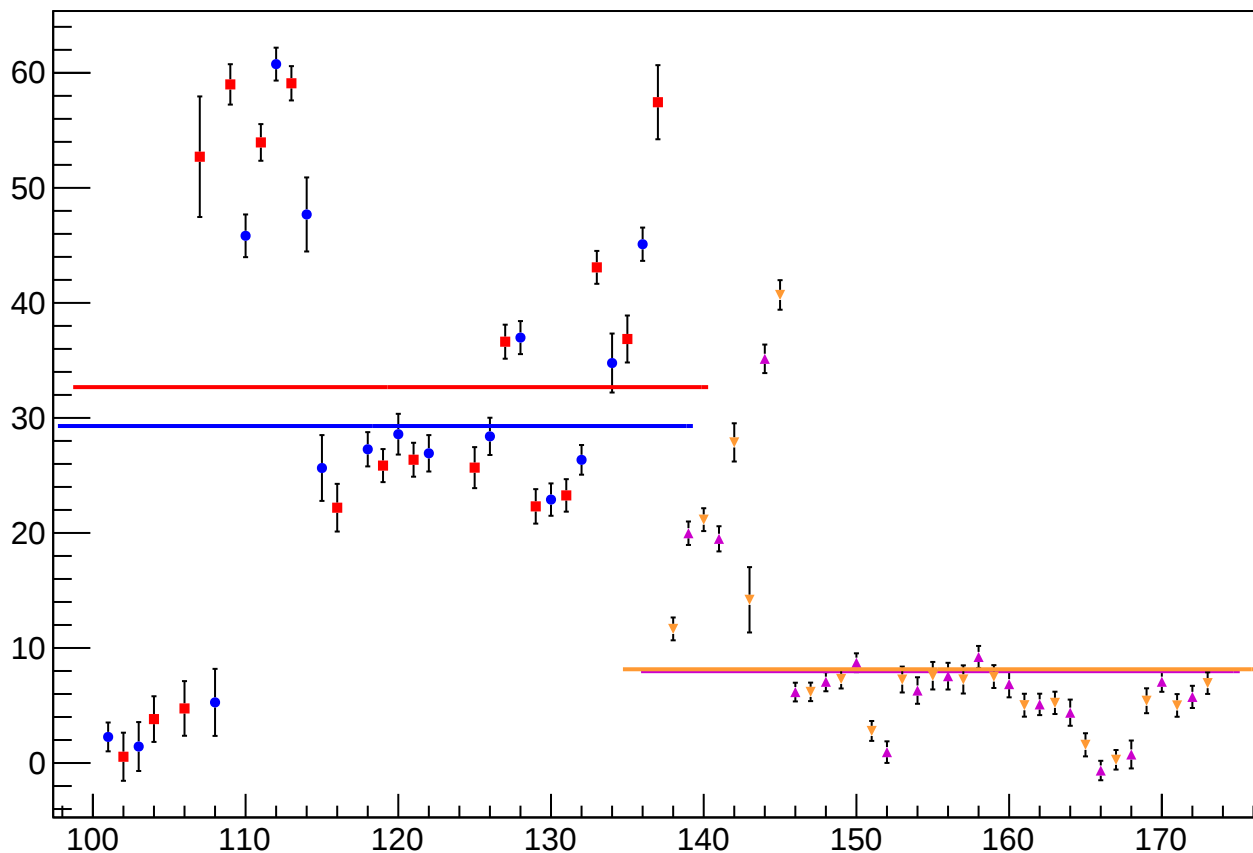
Right: 3.951 $\pm$ 0.156 χ^2 /NDF: 794.3/32

In: 2.176 $\pm$ 0.135 χ^2 /NDF:643.0/32

Out: 2.456 $\pm$ 0.134 χ^2 /NDF:600.4/35

All: 2.317 $\pm$ 0.095 χ^2 /NDF: 1245.6/68

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.297 $\pm$ 0.417 χ^2 /NDF: 1485.2/15

Left Out: 8.149 $\pm$ 0.235 χ^2 /NDF:1183.2/18

Right Out: 32.679 $\pm$ 0.423 χ^2 /NDF: 1614.8/16

Left In: 7.983 $\pm$ 0.237 χ^2 /NDF:962.4/16

Left: 8.067 $\pm$ 0.167 χ^2 /NDF: 2145.8/35

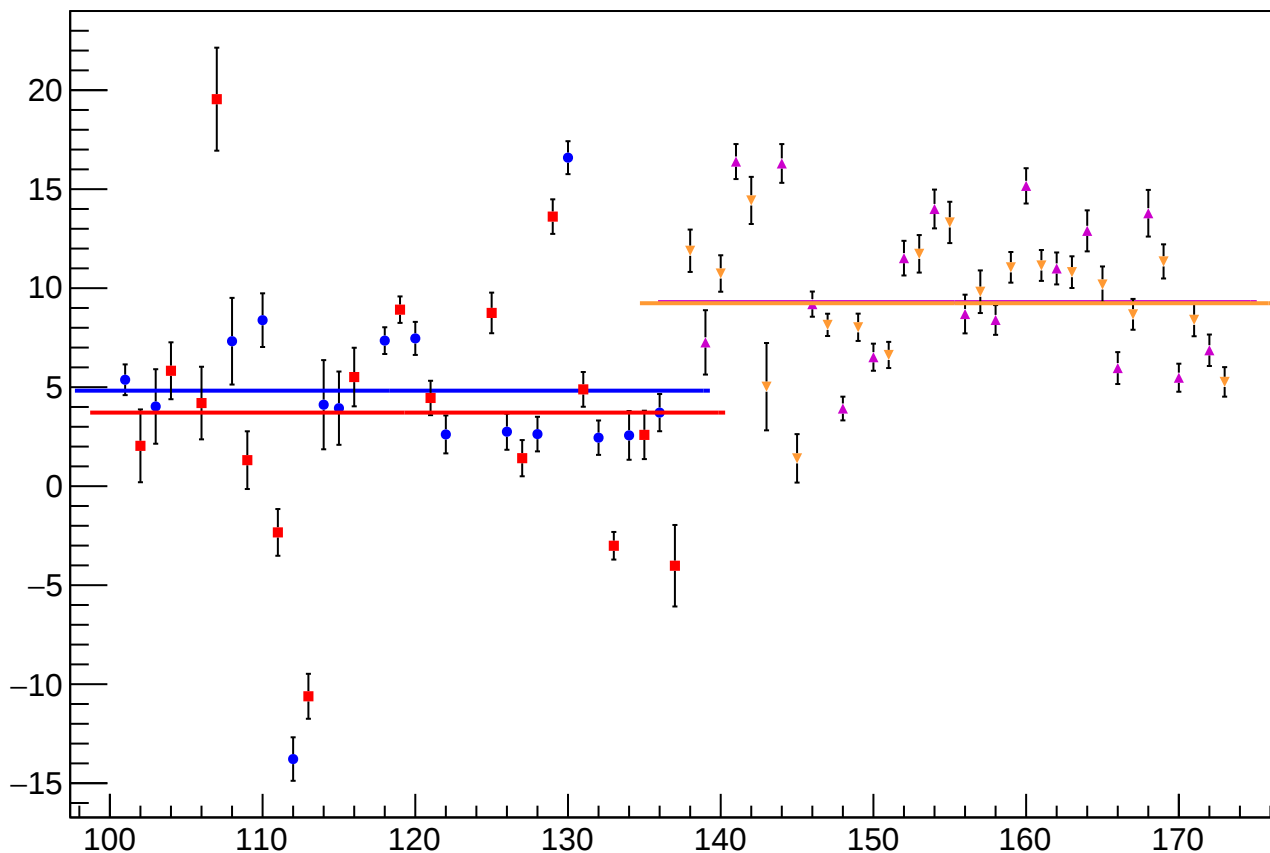
Right: 30.964 $\pm$ 0.297 χ^2 /NDF: 3132.4/32

In: 13.189 $\pm$ 0.206 χ^2 /NDF:4419.8/32

Out: 13.937 $\pm$ 0.206 χ^2 /NDF:5364.9/35

All: 13.564 $\pm$ 0.146 χ^2 /NDF: 9791.3/68

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.824 ± 0.252 $\chi^2/\text{NDF}: 549.2/15$

Left Out: 9.240 ± 0.195 $\chi^2/\text{NDF}: 169.8/18$

Right Out: 3.716 ± 0.259 $\chi^2/\text{NDF}: 559.9/16$

Left In: 9.297 ± 0.201 $\chi^2/\text{NDF}: 375.5/16$

Left: 9.267 ± 0.140 $\chi^2/\text{NDF}: 545.3/35$

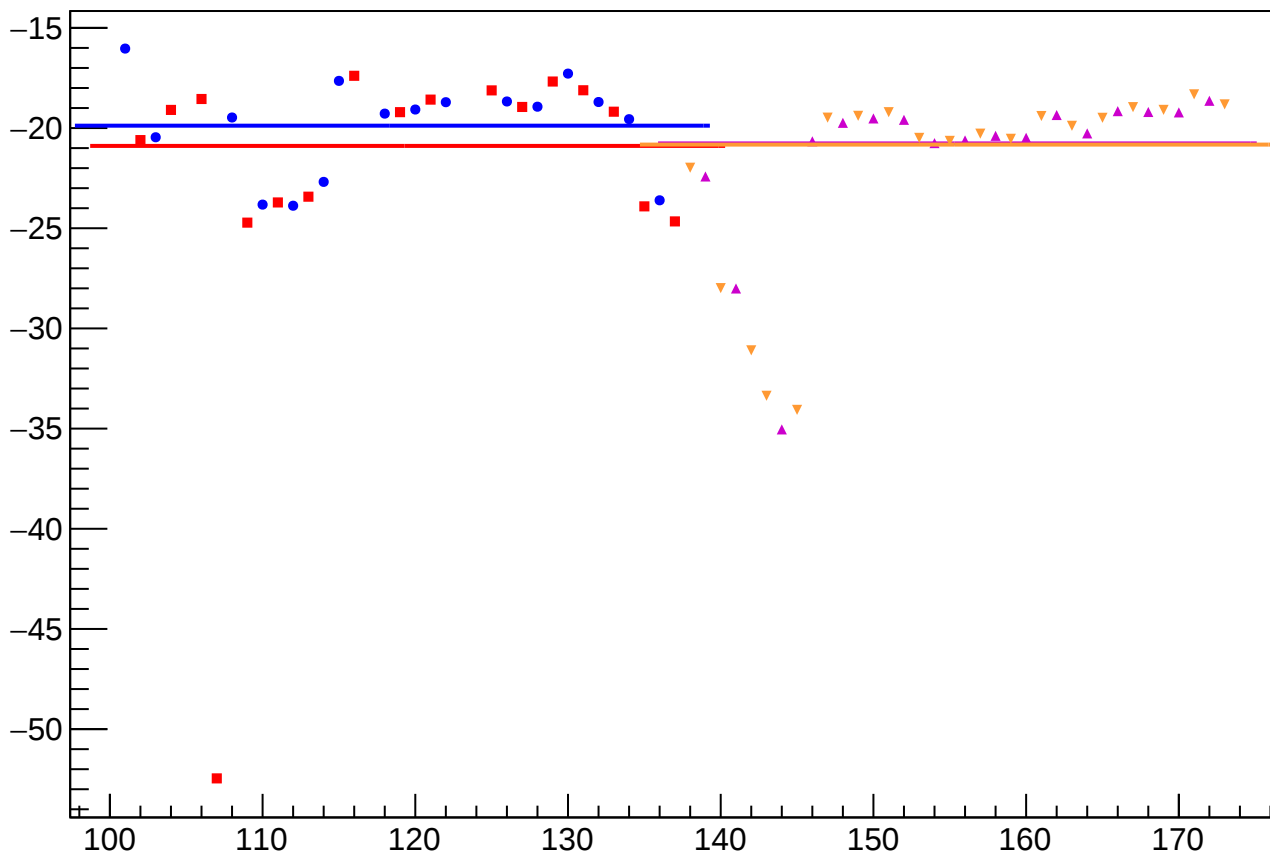
Right: 4.286 ± 0.180 $\chi^2/\text{NDF}: 1118.6/32$

In: 7.557 ± 0.157 $\chi^2/\text{NDF}: 1118.0/32$

Out: 7.244 ± 0.156 $\chi^2/\text{NDF}: 1020.8/35$

All: 7.399 ± 0.110 $\chi^2/\text{NDF}: 2140.7/68$

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.880 ± 0.016 $\chi^2/\text{NDF}: 26082.0/15$

Left Out: -20.825 ± 0.009 $\chi^2/\text{NDF}: 153161.3/18$

Right Out: -20.891 ± 0.016 $\chi^2/\text{NDF}: 92913.6/16$

Left In: -20.765 ± 0.009 $\chi^2/\text{NDF}: 111761.7/16$

Left: -20.795 ± 0.007 $\chi^2/\text{NDF}: 264943.5/35$

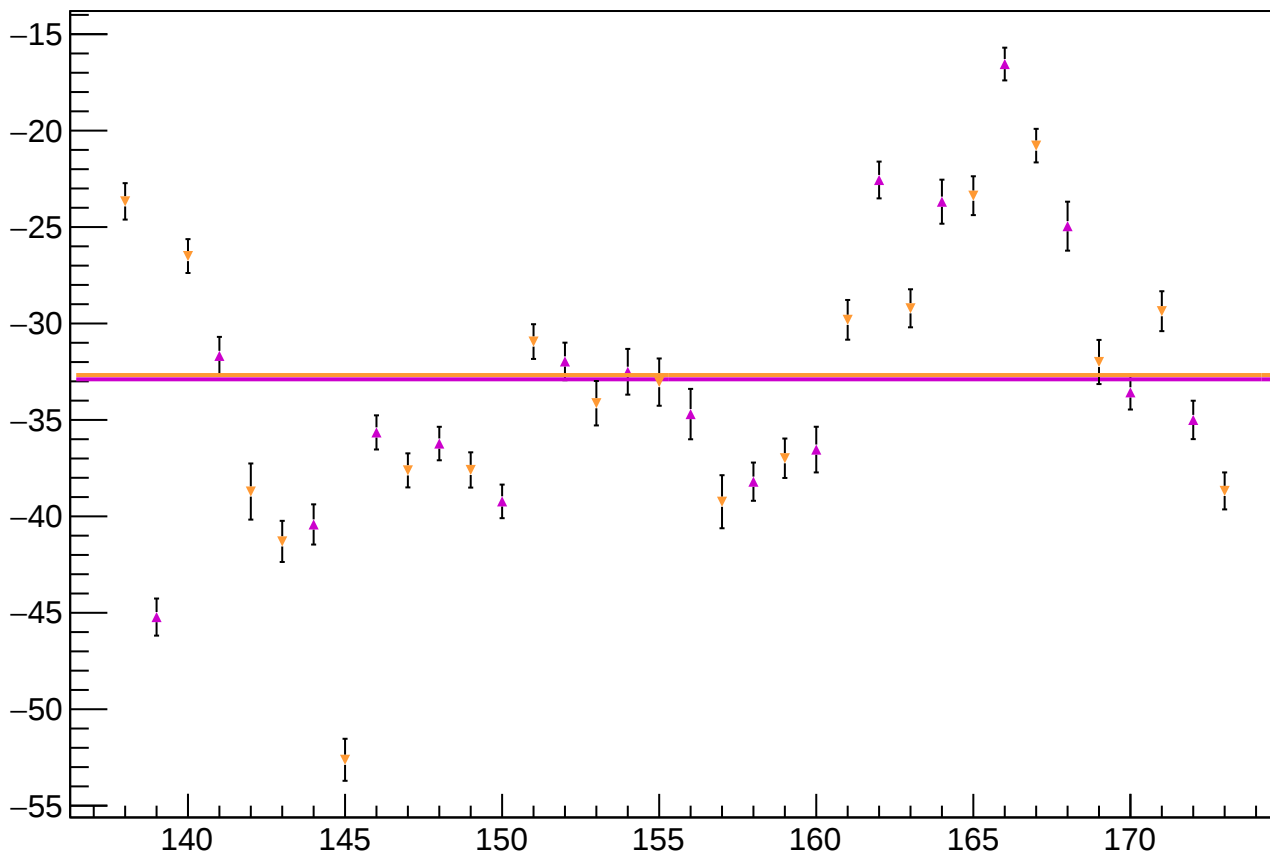
Right: -20.381 ± 0.011 $\chi^2/\text{NDF}: 121077.9/32$

In: -20.533 ± 0.008 $\chi^2/\text{NDF}: 140223.1/32$

Out: -20.842 ± 0.008 $\chi^2/\text{NDF}: 246087.8/35$

All: -20.688 ± 0.006 $\chi^2/\text{NDF}: 387062.0/68$

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: -32.672+/-0.234 χ^2/NDF :1006.6/18

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

Left In: -32.895+/-0.241 χ^2/NDF :933.7/16

Left: -32.780+/-0.168 χ^2/NDF : 1940.8/35

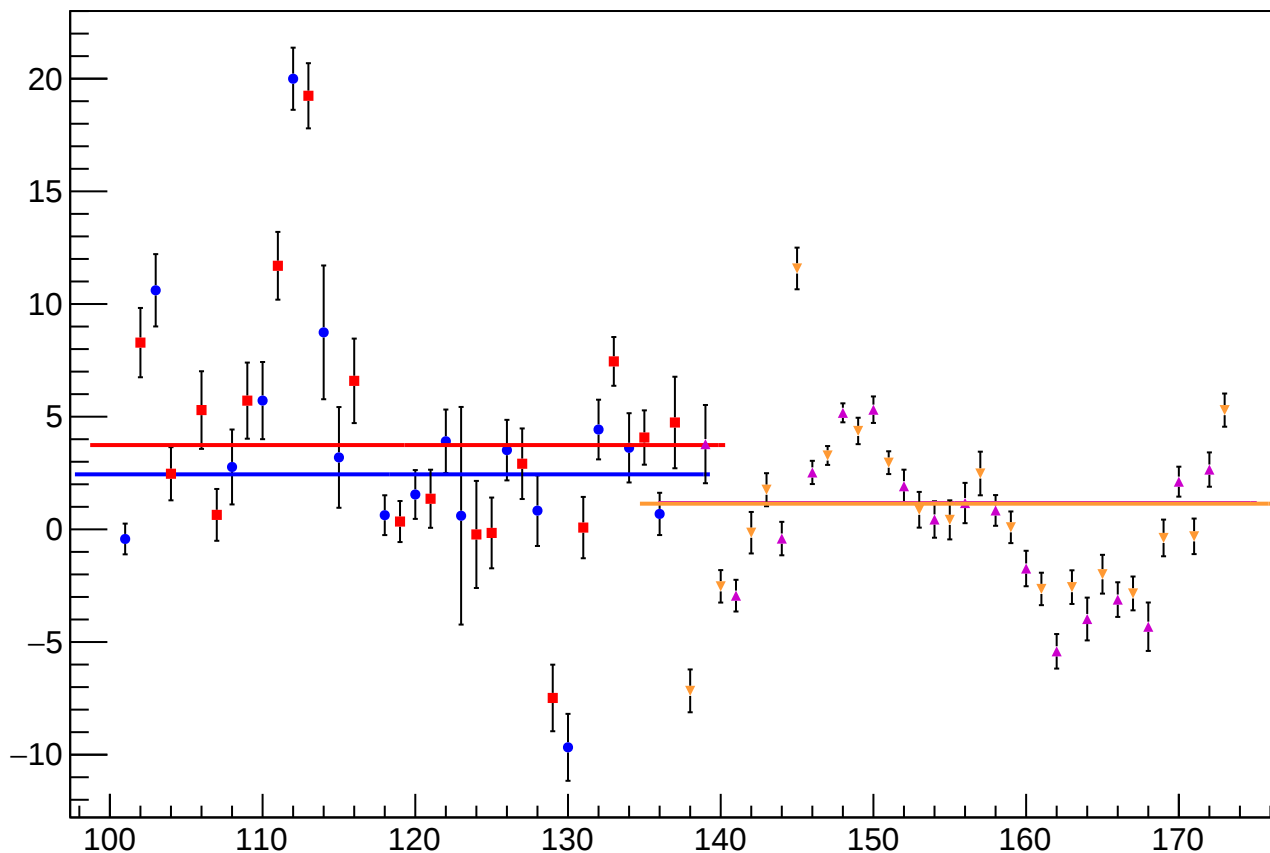
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.895+/-0.241 χ^2/NDF :933.7/16

Out: -32.672+/-0.234 χ^2/NDF :1006.6/18

All: -32.780+/-0.168 χ^2/NDF : 1940.8/35

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.441 $\pm$ 0.311 χ^2/NDF : 294.7/16

Left Out: 1.140 $\pm$ 0.163 χ^2/NDF : 439.1/18

Right Out: 3.741 $\pm$ 0.327 χ^2/NDF : 268.1/17

Left In: 1.169 $\pm$ 0.171 χ^2/NDF : 369.6/16

Left: 1.154 $\pm$ 0.118 χ^2/NDF : 808.8/35

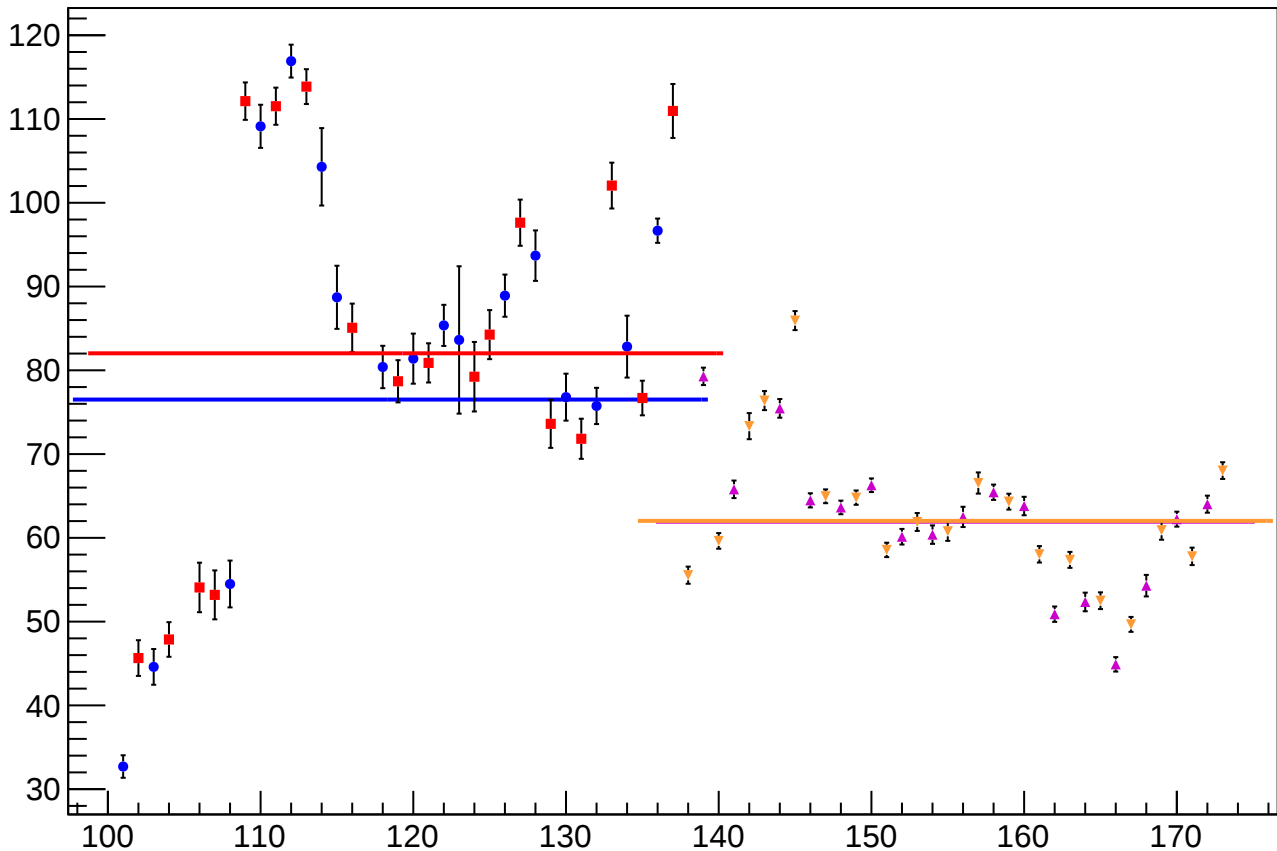
Right: 3.060 $\pm$ 0.225 χ^2/NDF : 571.1/34

In: 1.463 $\pm$ 0.150 χ^2/NDF : 677.2/33

Out: 1.659 $\pm$ 0.146 χ^2/NDF : 758.0/36

All: 1.564 $\pm$ 0.105 χ^2/NDF : 1436.0/70

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.509 $\pm$ 0.574 χ^2 /NDF: 2250.9/16

Left Out: 62.024 $\pm$ 0.231 χ^2 /NDF:1137.0/18

Right Out: 82.029 $\pm$ 0.593 χ^2 /NDF: 1548.0/17

Left In: 61.930 $\pm$ 0.236 χ^2 /NDF:1150.9/16

Left: 61.978 $\pm$ 0.165 χ^2 /NDF: 2287.9/35

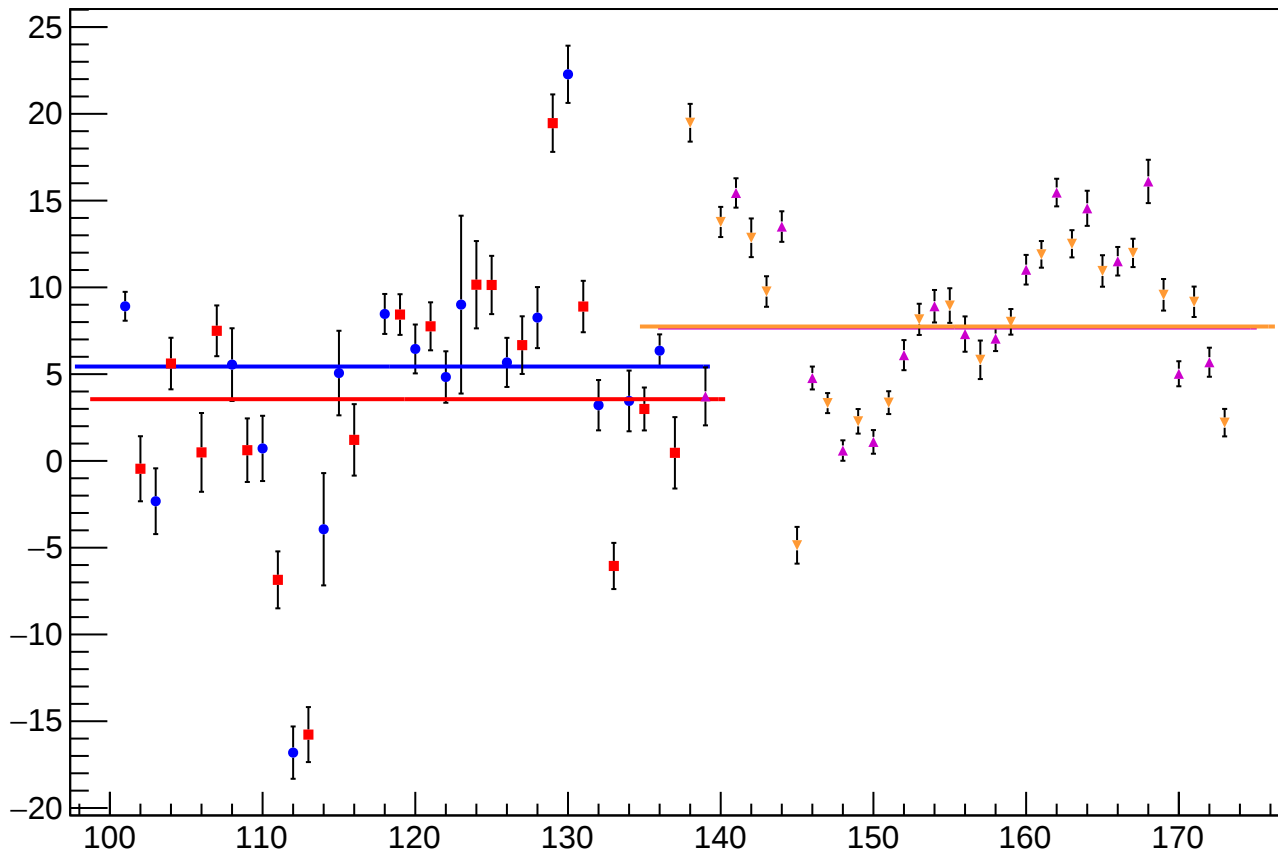
Right: 79.182 $\pm$ 0.412 χ^2 /NDF: 3843.6/34

In: 64.043 $\pm$ 0.219 χ^2 /NDF:3953.1/33

Out: 64.666 $\pm$ 0.215 χ^2 /NDF:3674.0/36

All: 64.359 $\pm$ 0.153 χ^2 /NDF: 7631.2/70

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.439 ± 0.358 χ^2/NDF : 386.2/16

Left Out: 7.745 ± 0.191 χ^2/NDF : 661.0/18

Right Out: 3.557 ± 0.375 χ^2/NDF : 420.6/17

Left In: 7.685 ± 0.199 χ^2/NDF : 639.9/16

Left: 7.716 ± 0.138 χ^2/NDF : 1301.0/35

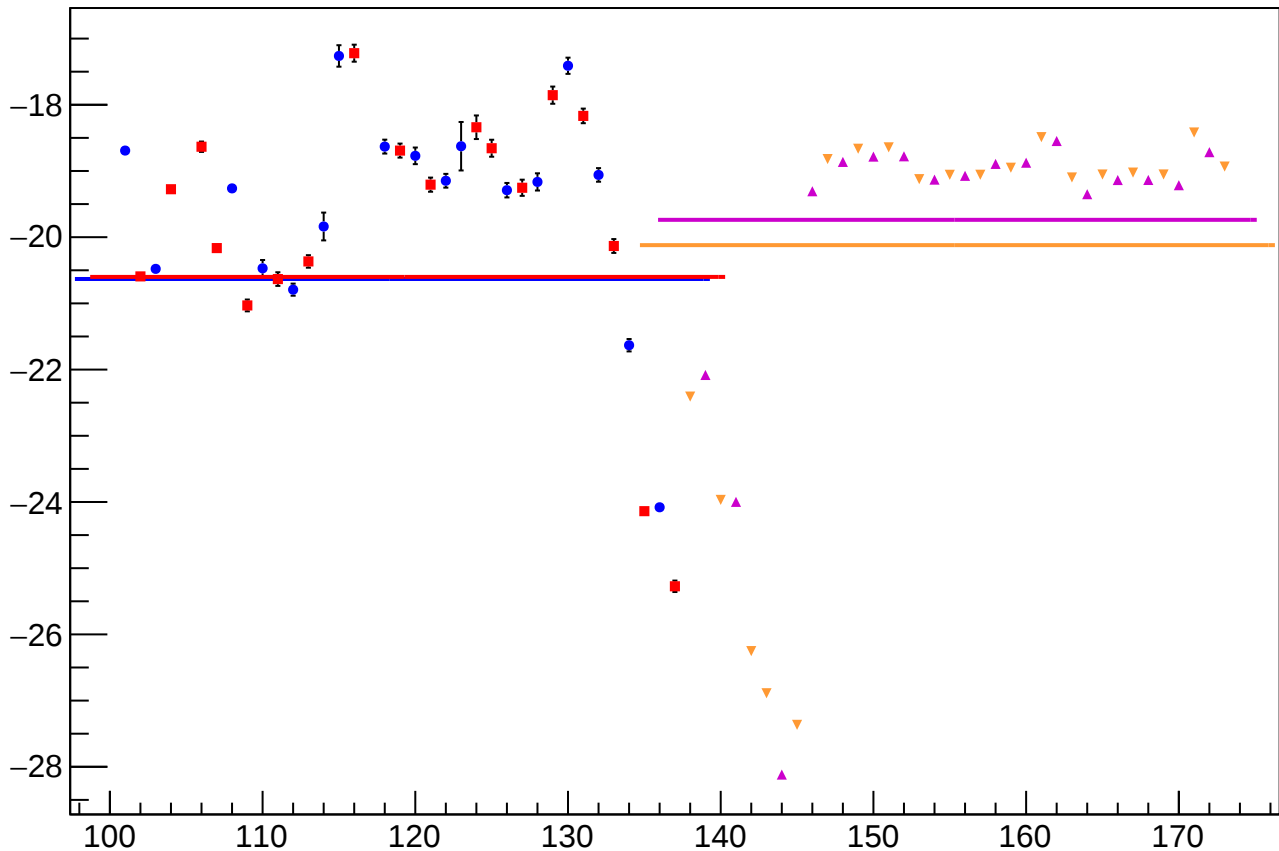
Right: 4.542 ± 0.259 χ^2/NDF : 819.9/34

In: 7.152 ± 0.174 χ^2/NDF : 1056.1/33

Out: 6.885 ± 0.170 χ^2/NDF : 1180.6/36

All: 7.015 ± 0.122 χ^2/NDF : 2238.0/70

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.631 ± 0.019 $\chi^2/\text{NDF}: 12501.6/16$

Left Out: -20.120 ± 0.009 $\chi^2/\text{NDF}: 85088.3/18$

Right Out: -20.600 ± 0.019 $\chi^2/\text{NDF}: 11973.7/17$

Left In: -19.738 ± 0.009 $\chi^2/\text{NDF}: 50111.7/16$

Left: -19.933 ± 0.006 $\chi^2/\text{NDF}: 136066.7/35$

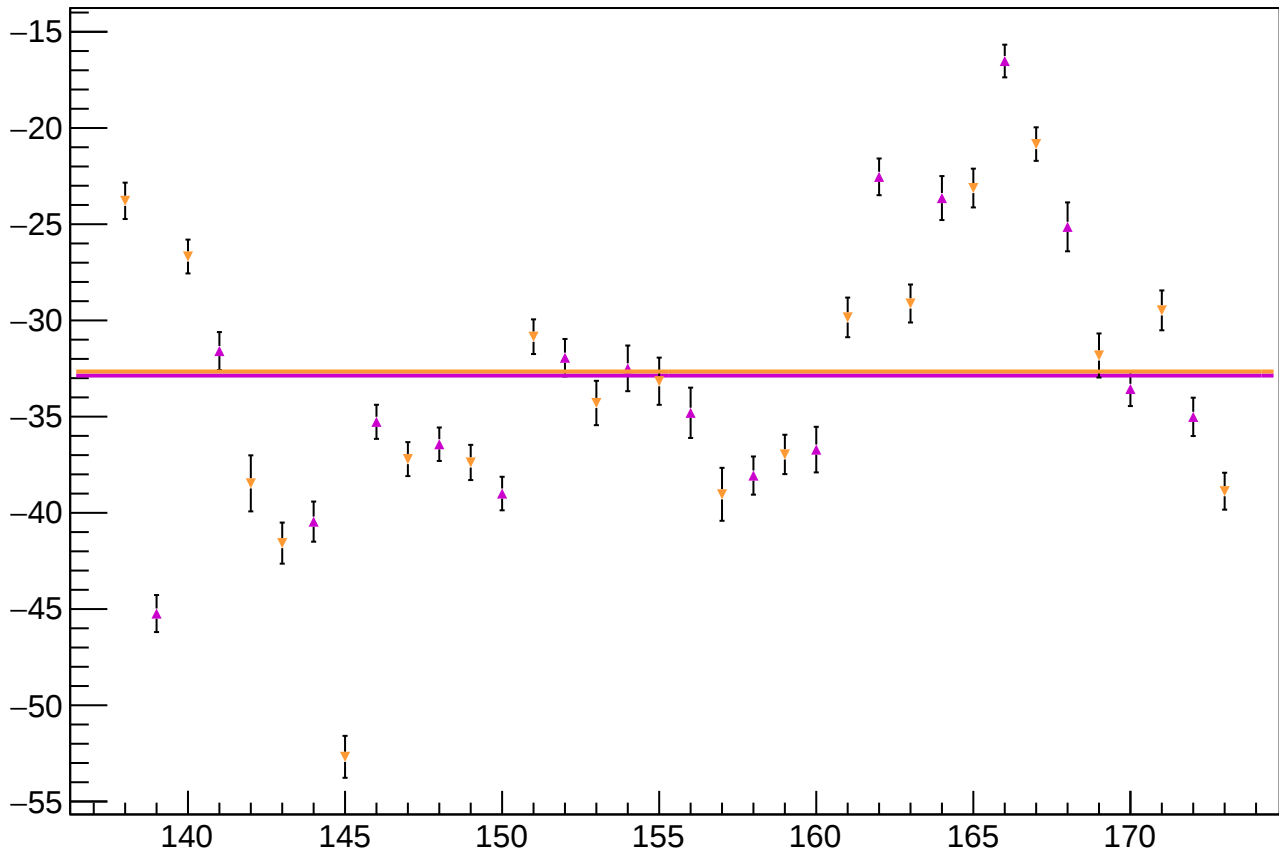
Right: -20.616 ± 0.014 $\chi^2/\text{NDF}: 24476.6/34$

In: -19.906 ± 0.008 $\chi^2/\text{NDF}: 64355.0/33$

Out: -20.206 ± 0.008 $\chi^2/\text{NDF}: 97561.7/36$

All: -20.058 ± 0.006 $\chi^2/\text{NDF}: 162570.6/70$

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: -32.654+/-0.234 χ^2/NDF :1002.5/18

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

Left In: -32.864+/-0.241 χ^2/NDF :929.5/16

Left: -32.756+/-0.168 χ^2/NDF : 1932.4/35

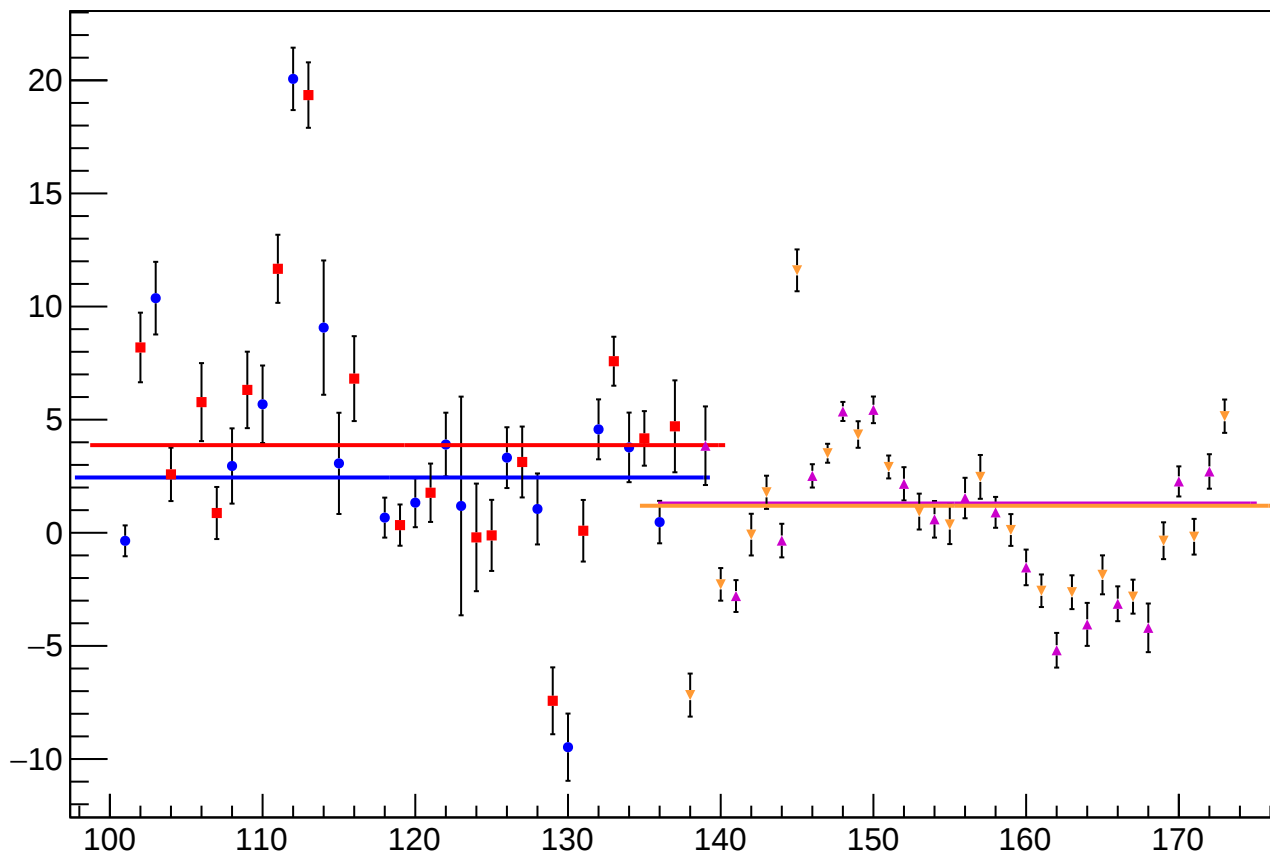
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.864+/-0.241 χ^2/NDF :929.5/16

Out: -32.654+/-0.234 χ^2/NDF :1002.5/18

All: -32.756+/-0.168 χ^2/NDF : 1932.4/35

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.444 ± 0.312 χ^2/NDF : 292.7/16

Left Out: 1.195 ± 0.163 χ^2/NDF : 436.0/18

Right Out: 3.874 ± 0.327 χ^2/NDF : 268.3/17

Left In: 1.294 ± 0.171 χ^2/NDF : 372.6/16

Left: 1.242 ± 0.118 χ^2/NDF : 808.8/35

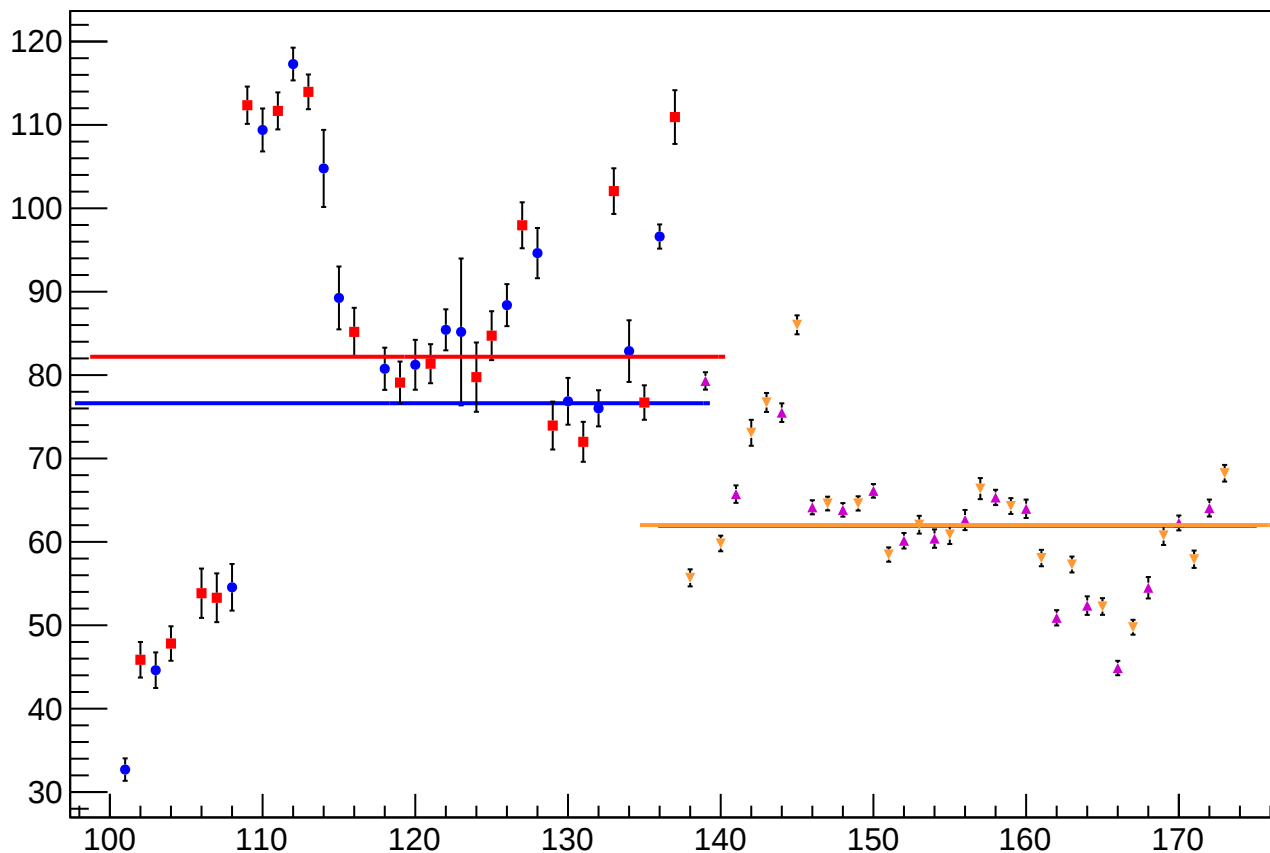
Right: 3.125 ± 0.226 χ^2/NDF : 571.0/34

In: 1.560 ± 0.150 χ^2/NDF : 675.8/33

Out: 1.730 ± 0.146 χ^2/NDF : 758.0/36

All: 1.647 ± 0.105 χ^2/NDF : 1434.5/70

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.626 $\pm$ 0.574 χ^2 /NDF: 2262.8/16

Left Out: 62.012 $\pm$ 0.231 χ^2 /NDF:1141.0/18

Right Out: 82.201 $\pm$ 0.593 χ^2 /NDF: 1550.2/17

Left In: 61.924 $\pm$ 0.237 χ^2 /NDF:1146.0/16

Left: 61.969 $\pm$ 0.165 χ^2 /NDF: 2287.1/35

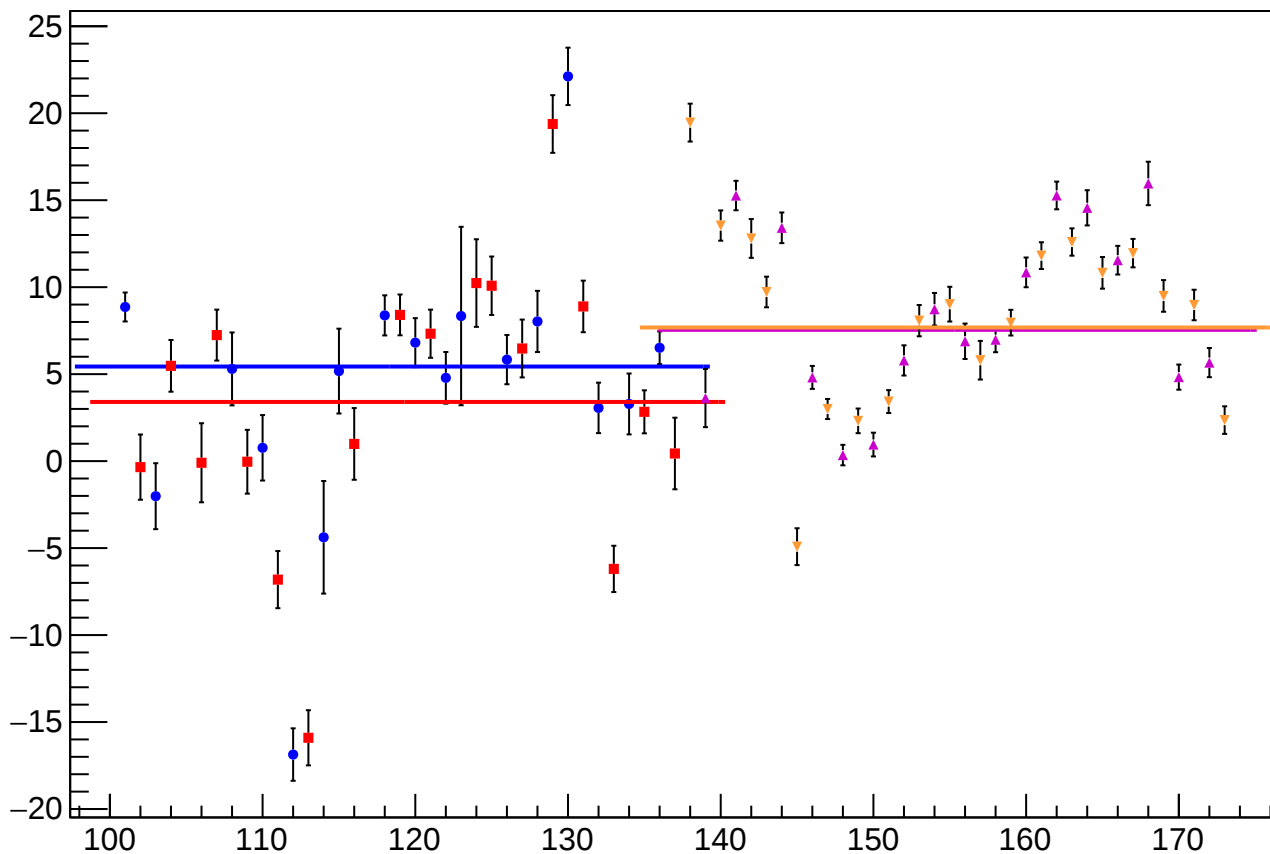
Right: 79.325 $\pm$ 0.413 χ^2 /NDF: 3858.6/34

In: 64.056 $\pm$ 0.219 χ^2 /NDF:3968.8/33

Out: 64.679 $\pm$ 0.215 χ^2 /NDF:3697.4/36

All: 64.372 $\pm$ 0.154 χ^2 /NDF: 7670.3/70

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.437 $\pm$ 0.358 χ^2 /NDF: 384.5/16

Left Out: 7.682 $\pm$ 0.191 χ^2 /NDF: 659.2/18

Right Out: 3.401 $\pm$ 0.375 χ^2 /NDF: 420.9/17

Left In: 7.547 $\pm$ 0.200 χ^2 /NDF: 644.6/16

Left: 7.618 $\pm$ 0.138 χ^2 /NDF: 1304.0/35

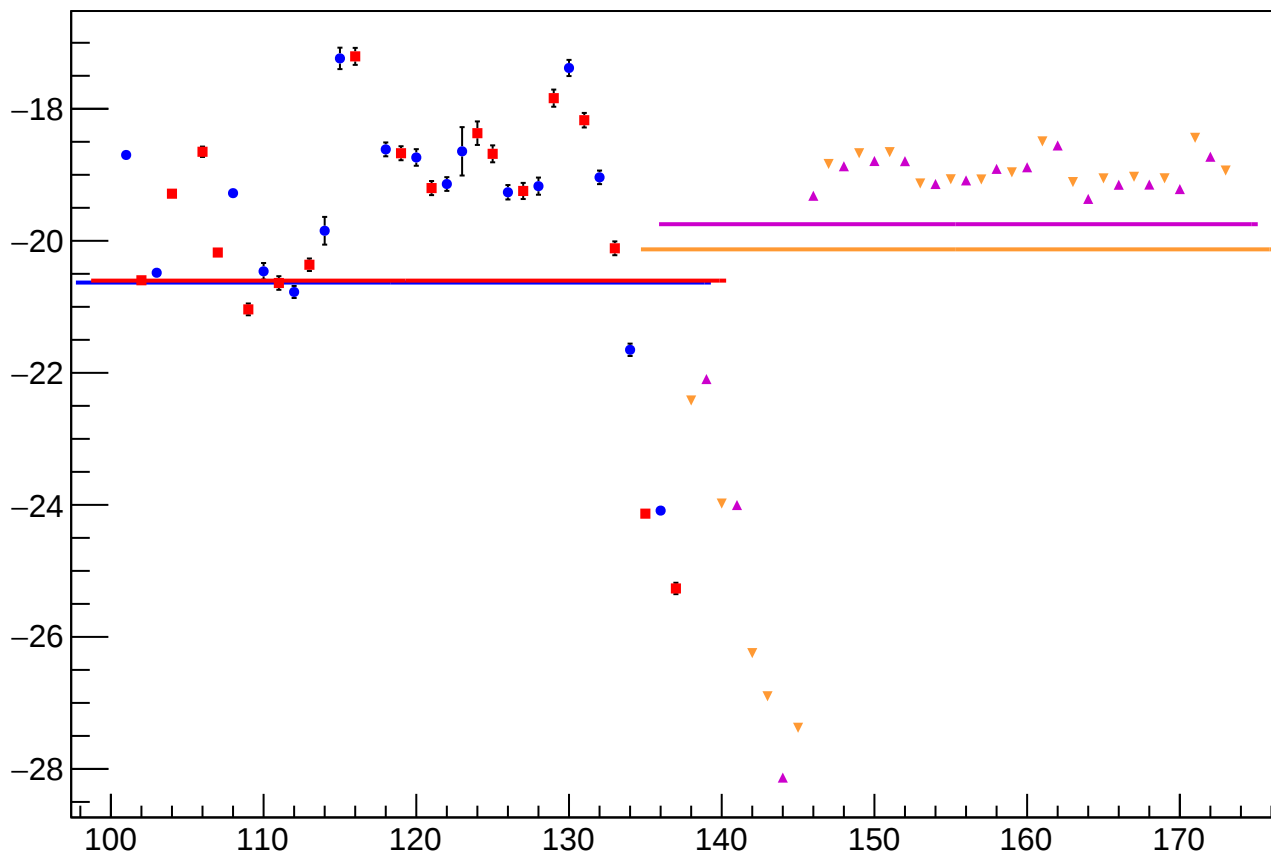
Right: 4.467 $\pm$ 0.259 χ^2 /NDF: 820.8/34

In: 7.047 $\pm$ 0.174 χ^2 /NDF: 1055.6/33

Out: 6.803 $\pm$ 0.170 χ^2 /NDF: 1183.3/36

All: 6.922 $\pm$ 0.122 χ^2 /NDF: 2239.9/70

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 ± 0.019 $\chi^2/\text{NDF}: 12543.2/16$

Left Out: -20.129 ± 0.009 $\chi^2/\text{NDF}: 84950.6/18$

Right Out: -20.603 ± 0.019 $\chi^2/\text{NDF}: 11925.8/17$

Left In: -19.748 ± 0.009 $\chi^2/\text{NDF}: 50047.5/16$

Left: -19.943 ± 0.006 $\chi^2/\text{NDF}: 135858.4/35$

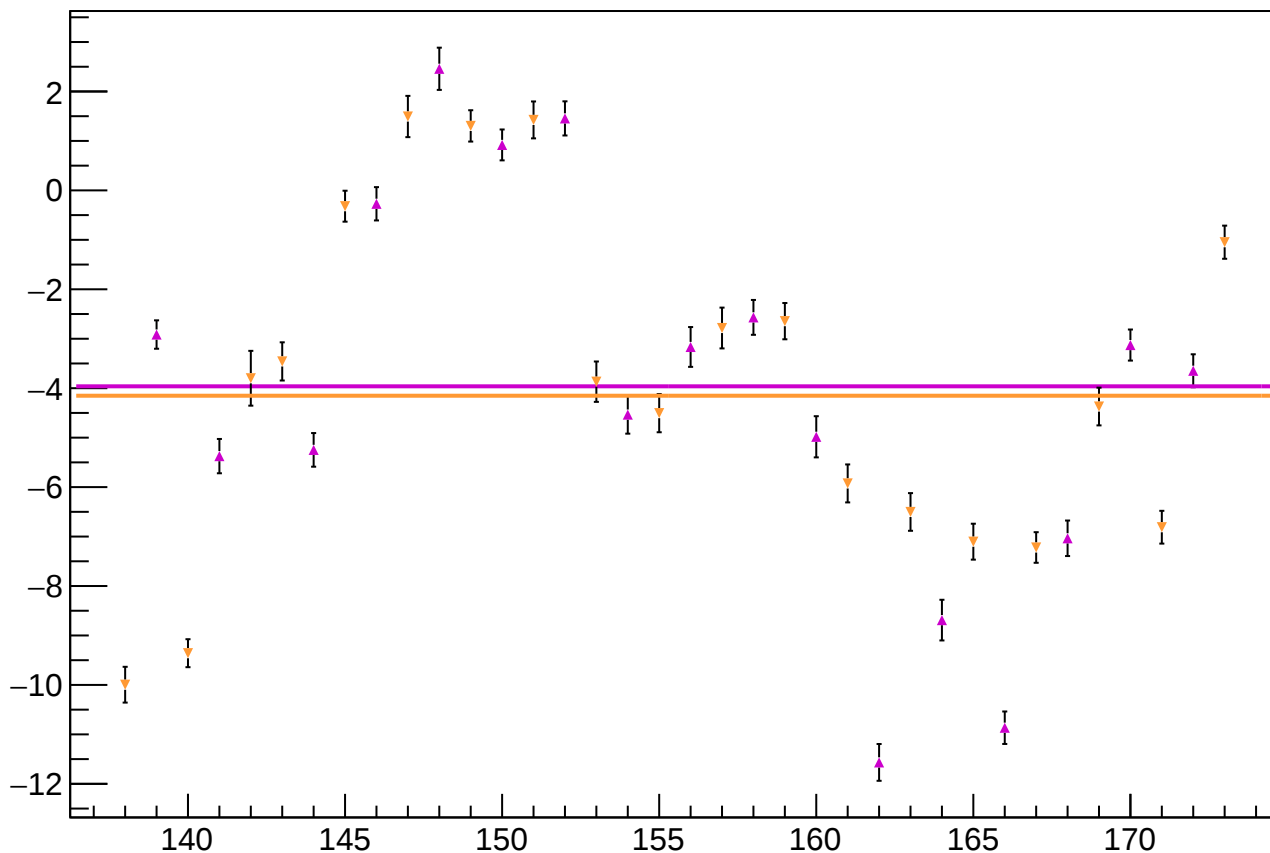
Right: -20.618 ± 0.014 $\chi^2/\text{NDF}: 24470.2/34$

In: -19.915 ± 0.008 $\chi^2/\text{NDF}: 64293.5/33$

Out: -20.214 ± 0.008 $\chi^2/\text{NDF}: 97362.1/36$

All: -20.067 ± 0.006 $\chi^2/\text{NDF}: 162306.4/70$

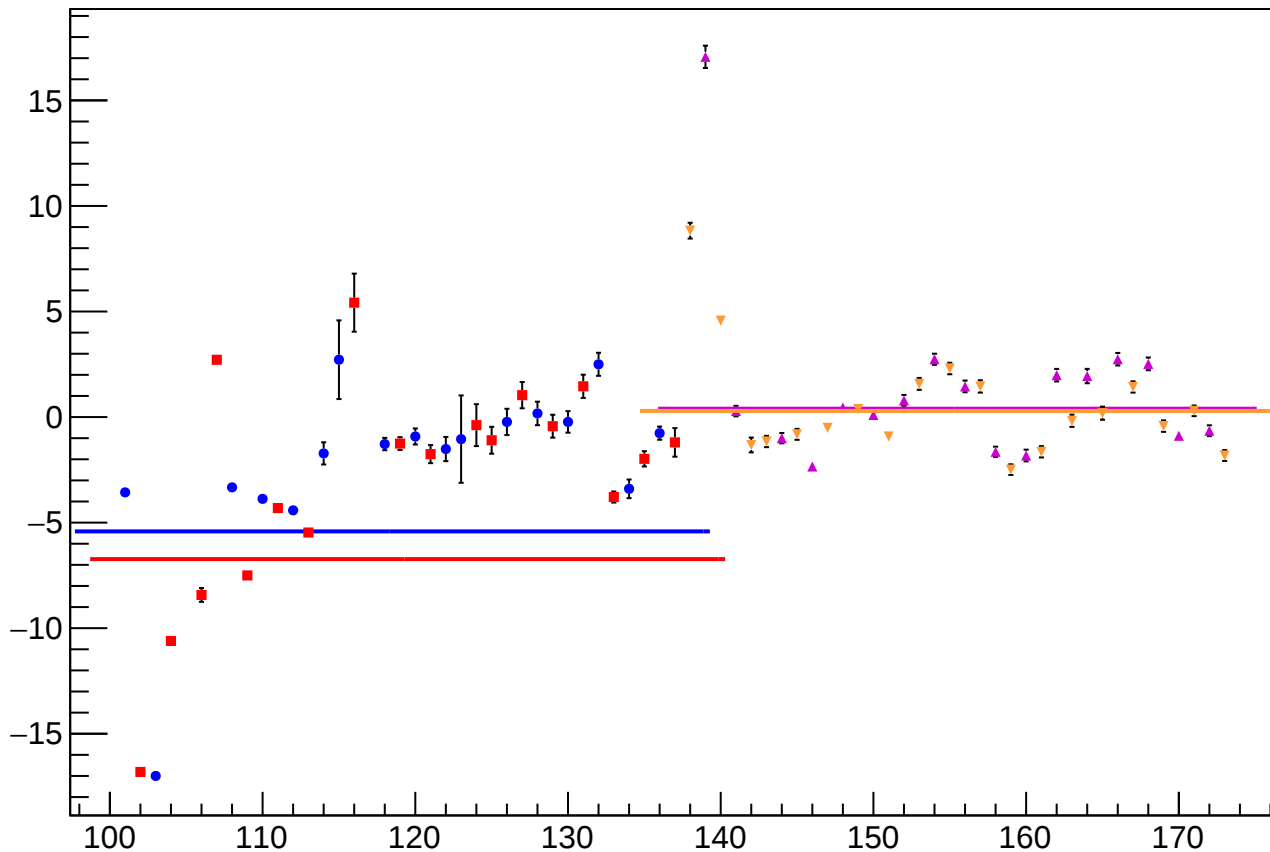
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -4.152 $\pm$ 0.083 χ^2/NDF :1859.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -3.962 $\pm$ 0.085 χ^2/NDF :1981.9/16

Left: -4.060 $\pm$ 0.059 χ^2/NDF : 3844.1/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -3.962 $\pm$ 0.085 χ^2/NDF :1981.9/16
 Out: -4.152 $\pm$ 0.083 χ^2/NDF :1859.7/18
 All: -4.060 $\pm$ 0.059 χ^2/NDF : 3844.1/35

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.415 ± 0.055 χ^2/NDF : 9255.1/16

Left Out: 0.291 ± 0.060 χ^2/NDF : 1324.3/18

Right Out: -6.729 ± 0.060 χ^2/NDF : 11217.0/17

Left In: 0.397 ± 0.063 χ^2/NDF : 1628.9/16

Left: 0.341 ± 0.043 χ^2/NDF : 2954.7/35

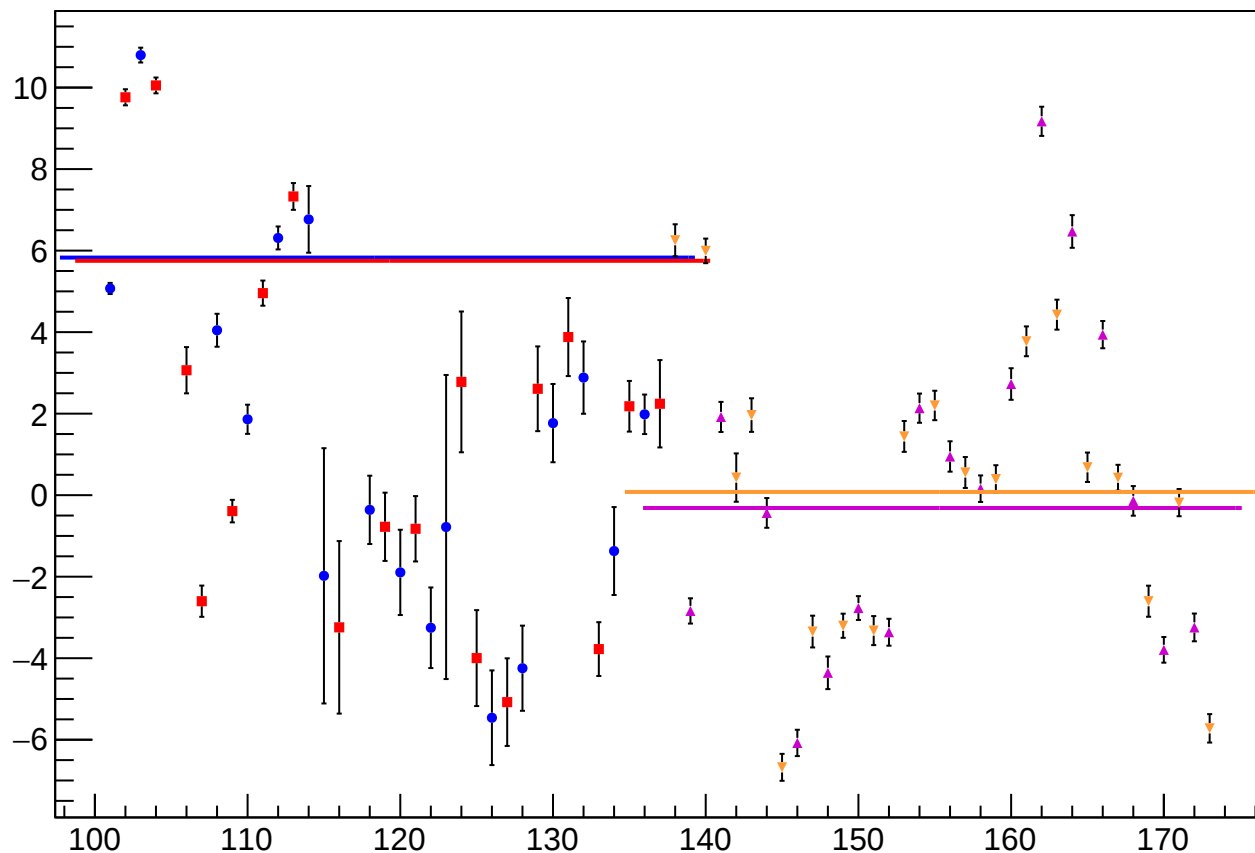
Right: -6.014 ± 0.040 χ^2/NDF : 20734.4/34

In: -2.920 ± 0.041 χ^2/NDF : 15719.6/33

Out: -3.223 ± 0.042 χ^2/NDF : 19419.5/36

All: -3.068 ± 0.030 χ^2/NDF : 35165.2/70

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.829 ± 0.090 $\chi^2/\text{NDF}: 1448.3/16$

Left Out: 0.079 ± 0.082 $\chi^2/\text{NDF}: 1985.2/18$

Right Out: 5.750 ± 0.096 $\chi^2/\text{NDF}: 2511.0/17$

Left In: -0.314 ± 0.084 $\chi^2/\text{NDF}: 2148.2/16$

Left: -0.114 ± 0.059 $\chi^2/\text{NDF}: 4144.6/35$

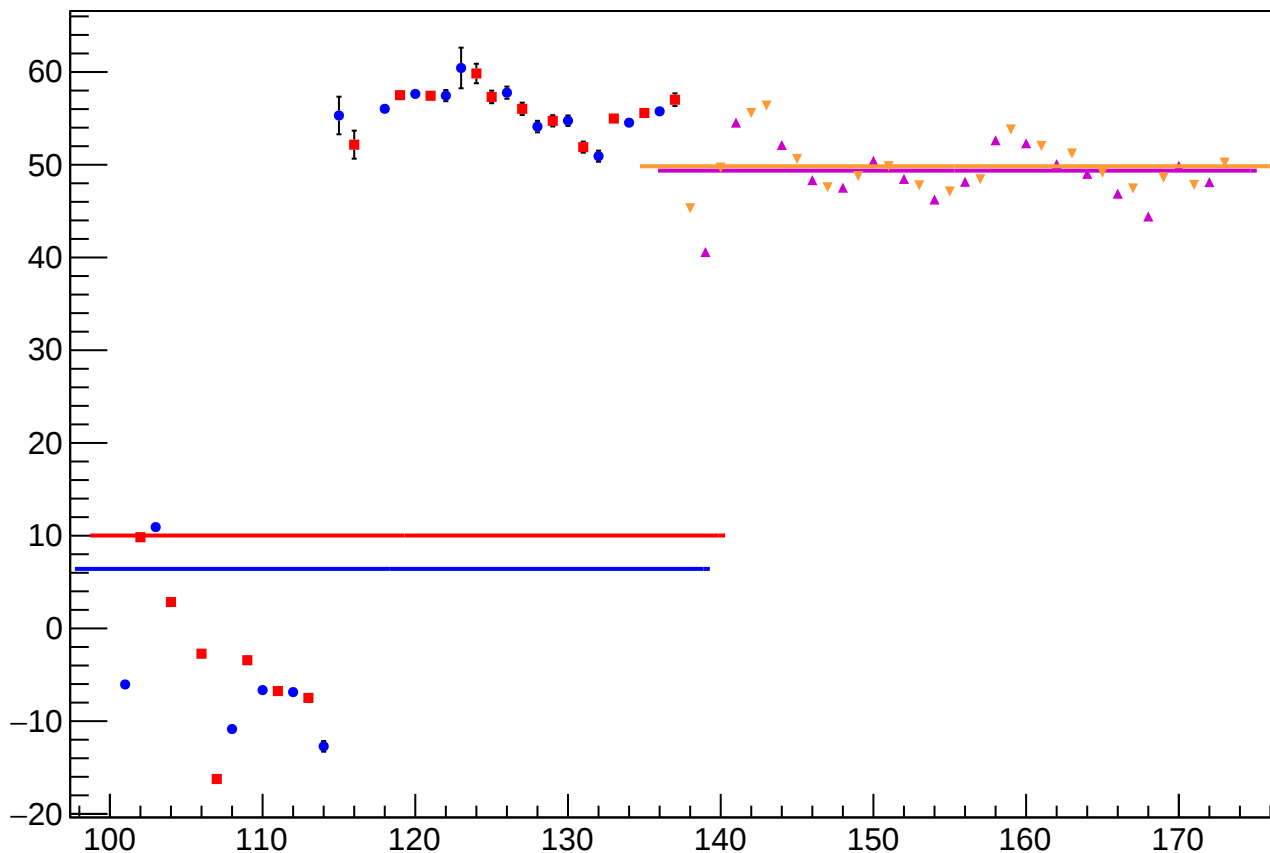
Right: 5.792 ± 0.066 $\chi^2/\text{NDF}: 3959.6/34$

In: 2.552 ± 0.061 $\chi^2/\text{NDF}: 6102.9/33$

Out: 2.471 ± 0.062 $\chi^2/\text{NDF}: 6504.7/36$

All: 2.512 ± 0.044 $\chi^2/\text{NDF}: 12608.5/70$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.421+/-0.065 χ^2/NDF : 123109.7/16

Left Out: 49.837+/-0.069 χ^2/NDF :1388.1/18

Right Out: 10.019+/-0.071 χ^2/NDF : 122082.4/17

Left In: 49.365+/-0.072 χ^2/NDF :1436.9/16

Left: 49.612+/-0.050 χ^2/NDF : 2847.3/35

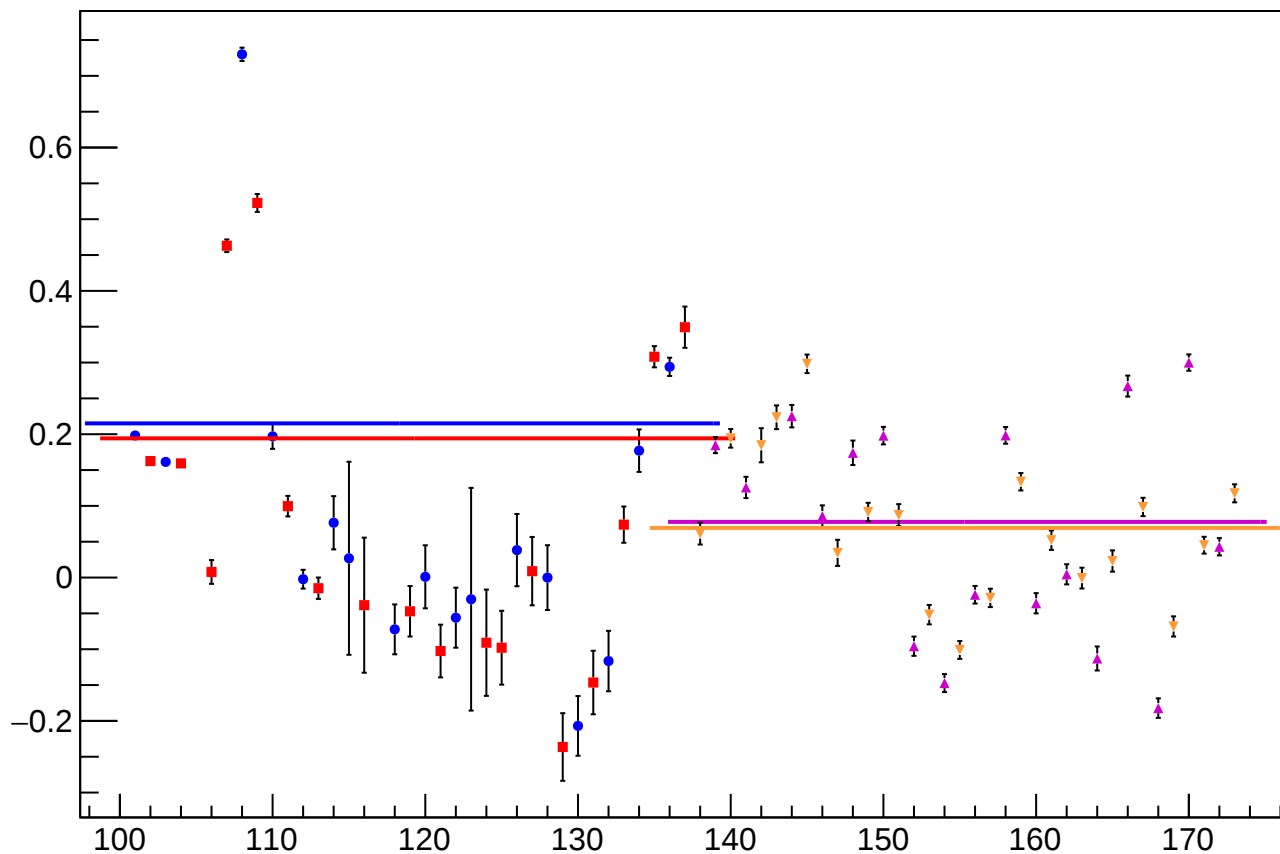
Right: 8.061+/-0.048 χ^2/NDF : 246600.2/34

In: 25.537+/-0.048 χ^2/NDF :320457.5/33

Out: 30.433+/-0.049 χ^2/NDF :285986.5/36

All: 27.927+/-0.034 χ^2/NDF : 611477.4/70

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3927.2/16

Left Out: 0.069 $\pm$ 0.003 χ^2 /NDF:1030.8/18

Right Out: 0.194 $\pm$ 0.003 χ^2 /NDF: 2520.1/17

Left In: 0.078 $\pm$ 0.003 χ^2 /NDF:2121.0/16

Left: 0.073 $\pm$ 0.002 χ^2 /NDF: 3155.2/35

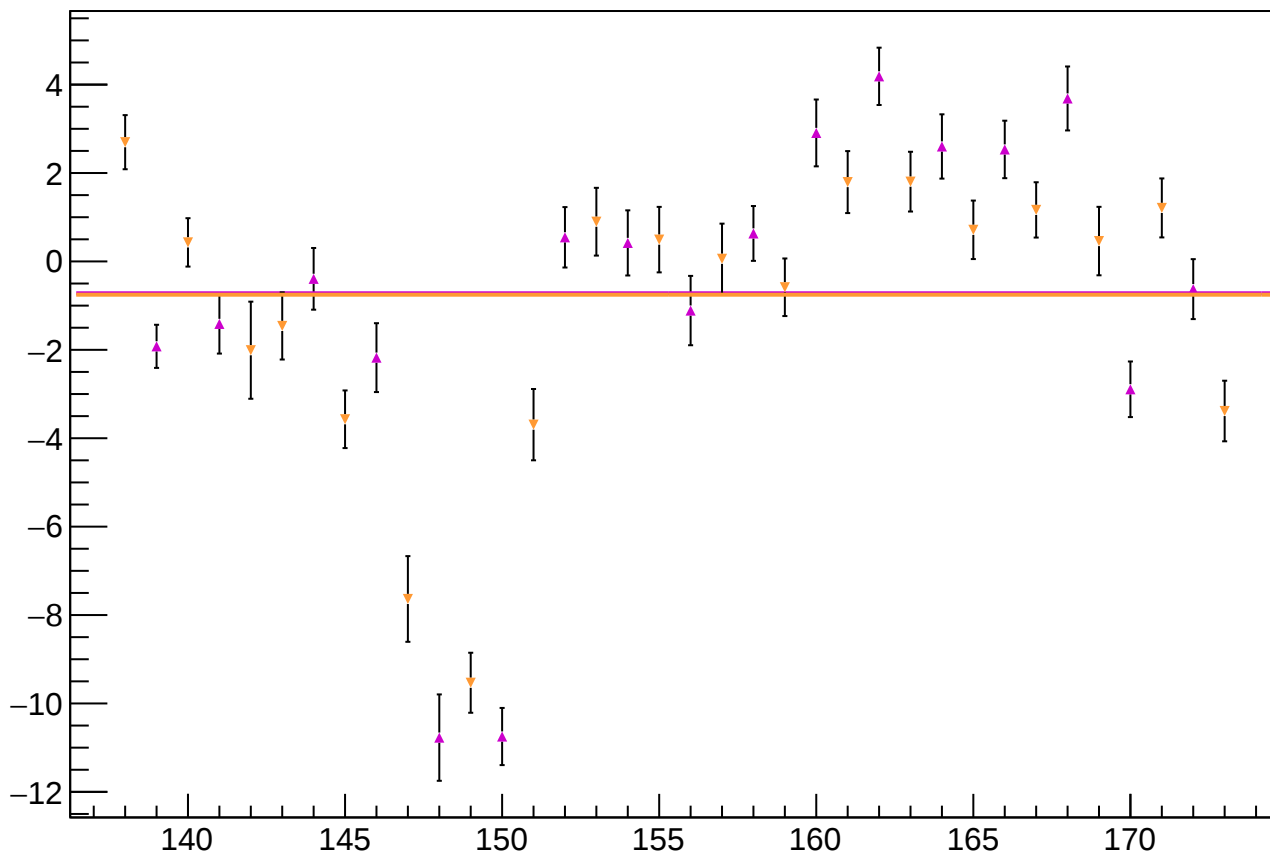
Right: 0.205 $\pm$ 0.002 χ^2 /NDF: 6475.9/34

In: 0.157 $\pm$ 0.002 χ^2 /NDF:7087.7/33

Out: 0.141 $\pm$ 0.002 χ^2 /NDF:4436.1/36

All: 0.149 $\pm$ 0.001 χ^2 /NDF: 11554.7/70

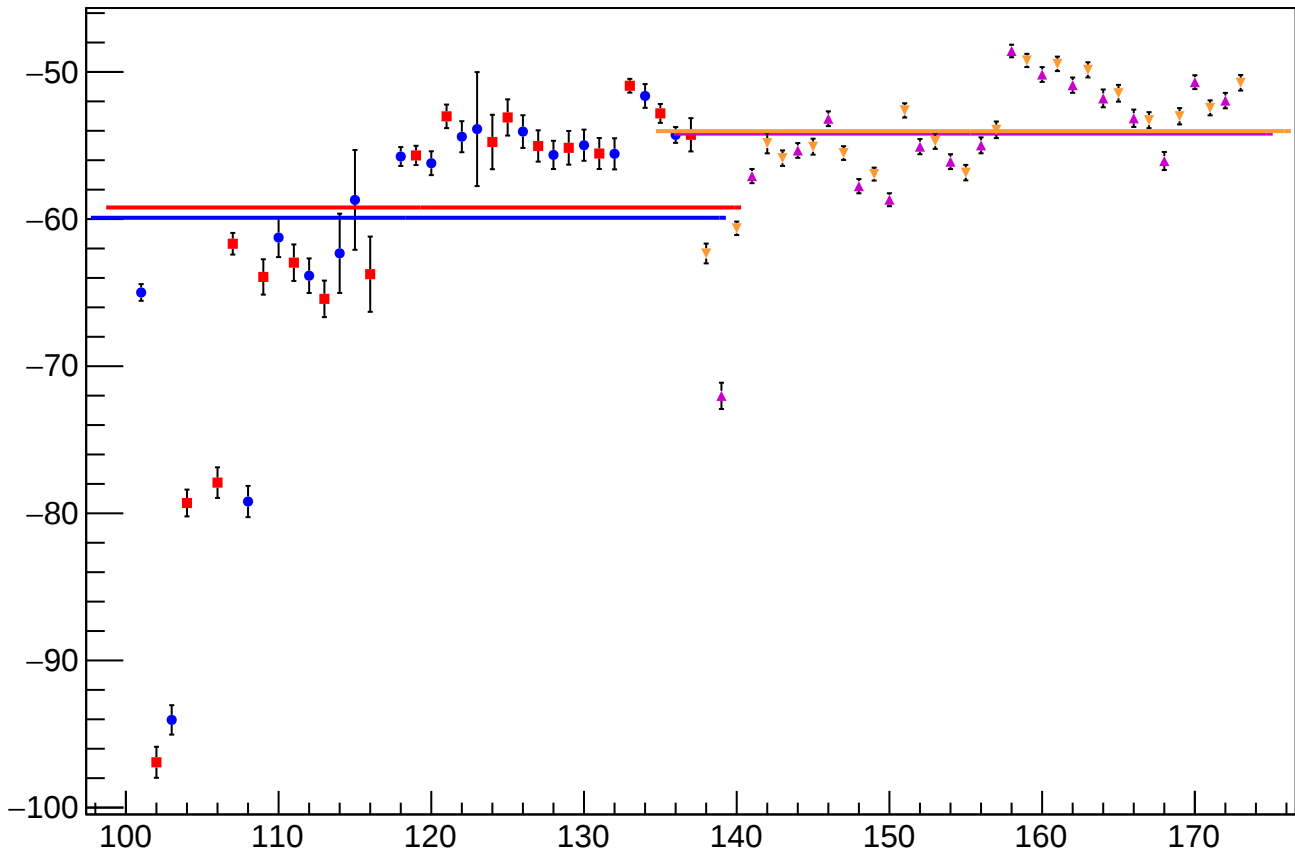
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.753 $\pm$ 0.162 χ^2 /NDF:364.4/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.721 $\pm$ 0.165 χ^2 /NDF:543.3/16

Left: -0.737 $\pm$ 0.115 χ^2 /NDF: 907.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.721 $\pm$ 0.165 χ^2 /NDF:543.3/16
 Out: -0.753 $\pm$ 0.162 χ^2 /NDF:364.4/18
 All: -0.737 $\pm$ 0.115 χ^2 /NDF: 907.8/35

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.911 ± 0.223 χ^2/NDF : 1980.8/16

Left Out: -54.024 ± 0.119 χ^2/NDF : 811.1/18

Right Out: -59.212 ± 0.212 χ^2/NDF : 2742.9/17

Left In: -54.191 ± 0.126 χ^2/NDF : 995.4/16

Left: -54.103 ± 0.086 χ^2/NDF : 1807.4/35

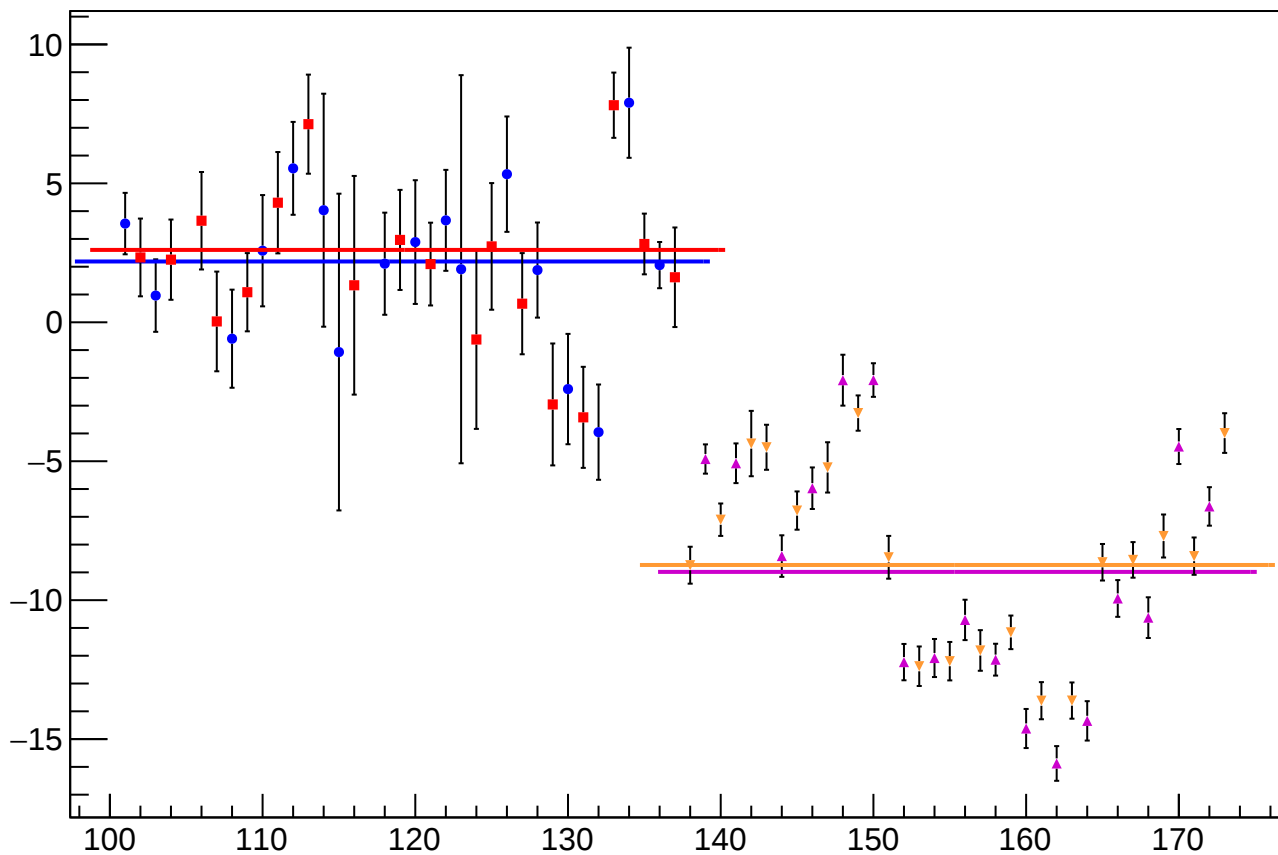
Right: -59.544 ± 0.154 χ^2/NDF : 4728.9/34

In: -55.567 ± 0.109 χ^2/NDF : 3474.9/33

Out: -55.268 ± 0.104 χ^2/NDF : 4007.8/36

All: -55.410 ± 0.075 χ^2/NDF : 7486.6/70

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.189 ± 0.405 $\chi^2/\text{NDF}: 39.1/16$

Left Out: -8.734 ± 0.161 $\chi^2/\text{NDF}: 387.2/18$

Right Out: 2.605 ± 0.391 $\chi^2/\text{NDF}: 50.8/17$

Left In: -8.983 ± 0.163 $\chi^2/\text{NDF}: 687.9/16$

Left: -8.857 ± 0.114 $\chi^2/\text{NDF}: 1076.3/35$

Right: 2.404 ± 0.281 $\chi^2/\text{NDF}: 90.4/34$

In: -7.429 ± 0.151 $\chi^2/\text{NDF}: 1383.5/33$

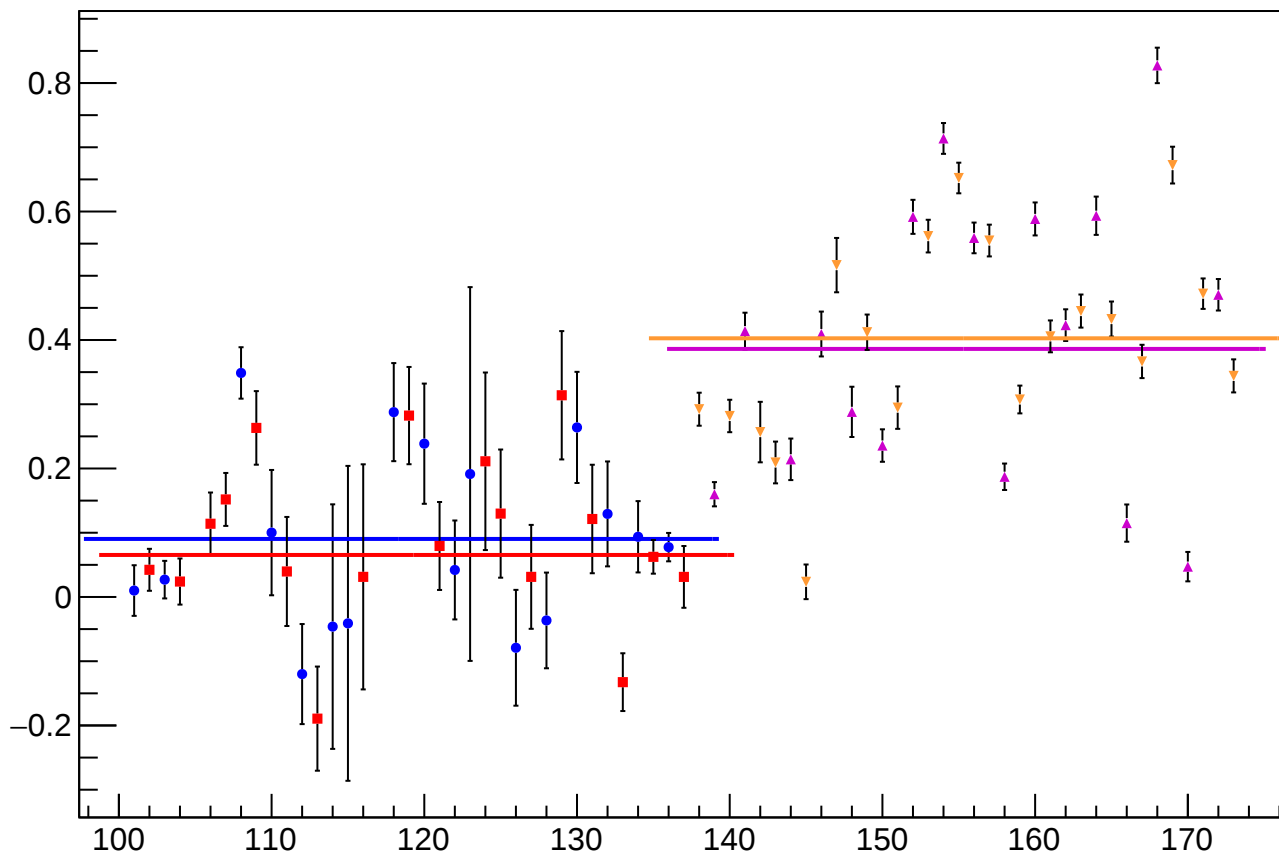
Out: -7.097 ± 0.148 $\chi^2/\text{NDF}: 1158.0/36$

All: -7.260 ± 0.106 $\chi^2/\text{NDF}: 2543.9/70$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 79.4/16$

Left Out: 0.403 ± 0.006 $\chi^2/\text{NDF}: 616.3/18$

Right Out: 0.065 ± 0.012 $\chi^2/\text{NDF}: 65.7/17$

Left In: 0.386 ± 0.006 $\chi^2/\text{NDF}: 1294.0/16$

Left: 0.394 ± 0.004 $\chi^2/\text{NDF}: 1913.8/35$

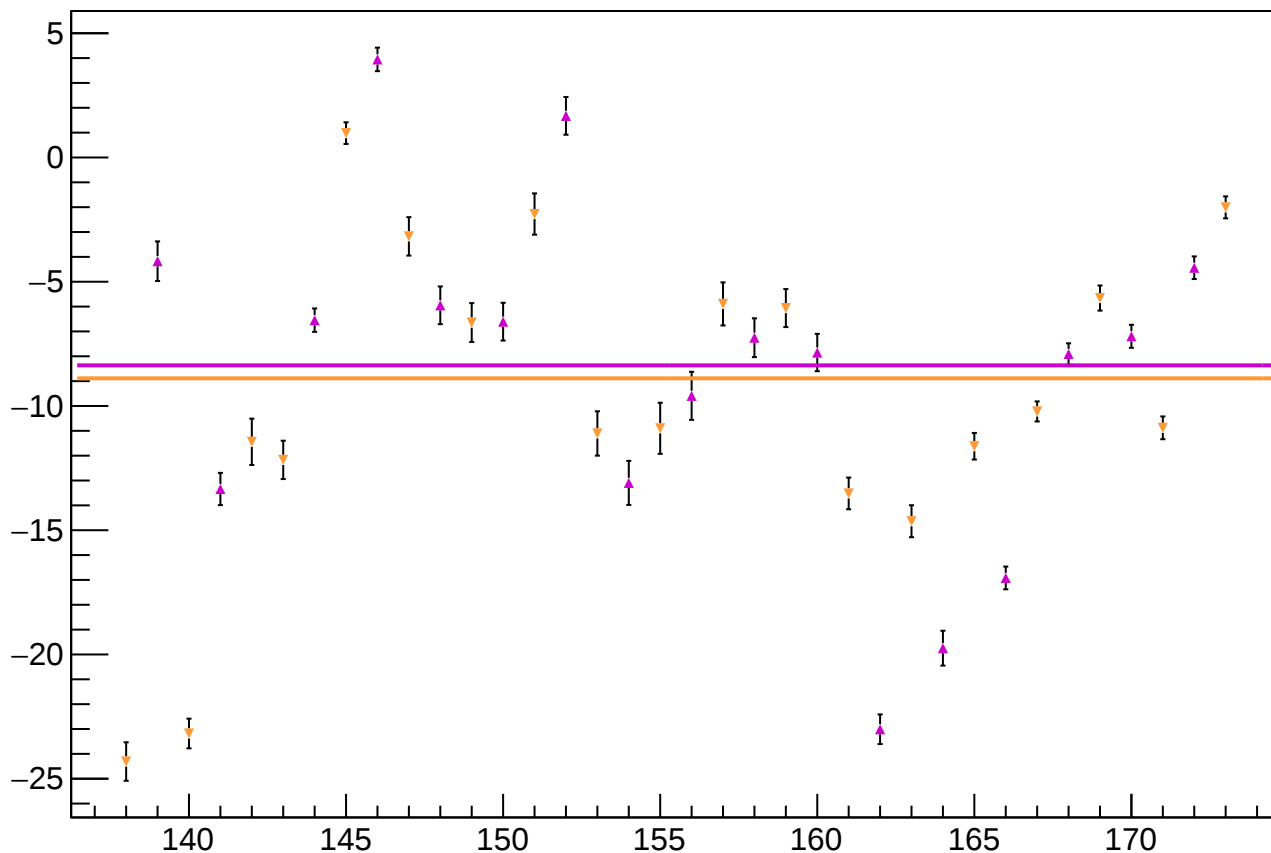
Right: 0.077 ± 0.009 $\chi^2/\text{NDF}: 147.0/34$

In: 0.329 ± 0.006 $\chi^2/\text{NDF}: 1808.8/33$

Out: 0.334 ± 0.006 $\chi^2/\text{NDF}: 1286.8/36$

All: 0.332 ± 0.004 $\chi^2/\text{NDF}: 3096.1/70$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



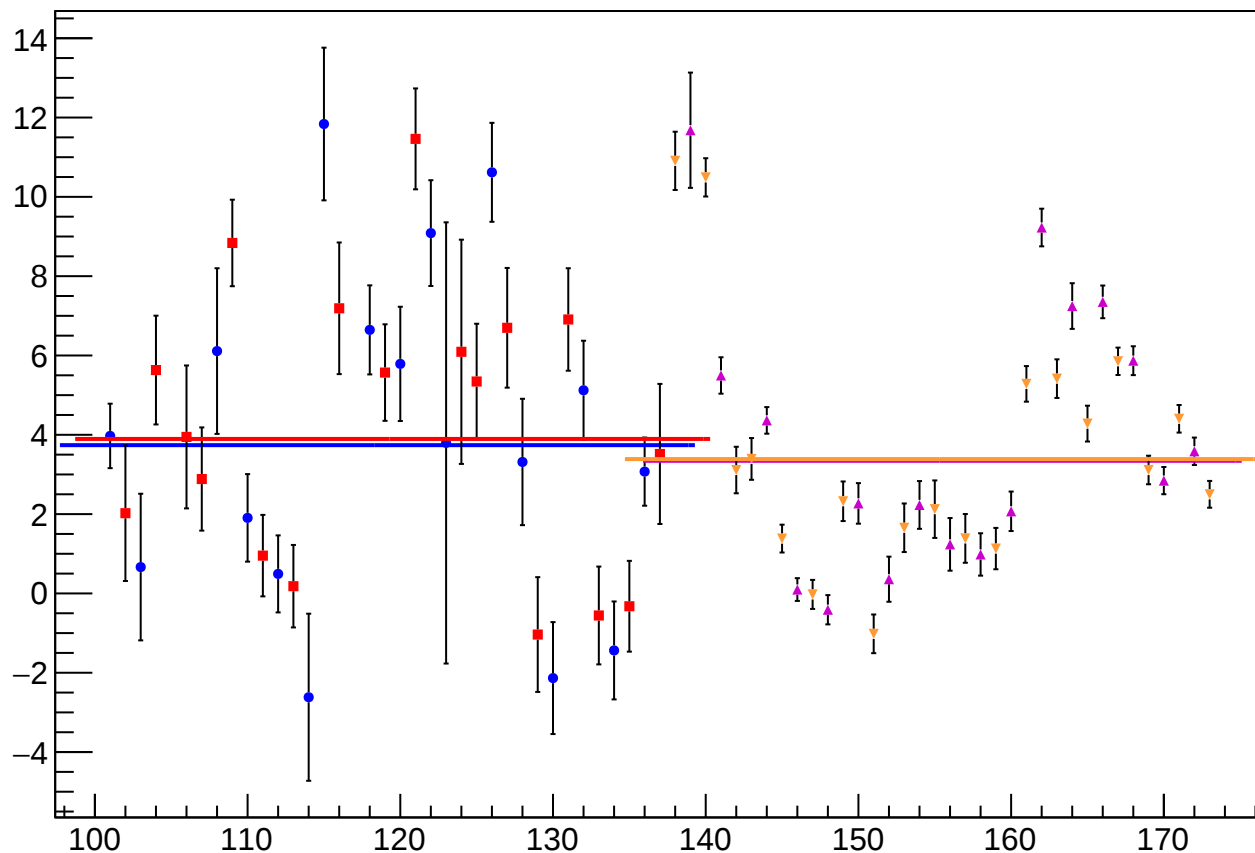
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.887+/-0.140 χ^2/NDF :2141.1/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.366+/-0.144 χ^2/NDF :2300.1/16

Left: -8.633+/-0.100 χ^2/NDF : 4447.9/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.366+/-0.144 χ^2/NDF :2300.1/16
 Out: -8.887+/-0.140 χ^2/NDF :2141.1/18

All: -8.633+/-0.100 χ^2/NDF : 4447.9/35

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.739 ± 0.309 χ^2/NDF : 136.9/16

Left Out: 3.388 ± 0.103 χ^2/NDF : 674.0/18

Right Out: 3.896 ± 0.316 χ^2/NDF : 134.9/17

Left In: 3.344 ± 0.105 χ^2/NDF : 711.9/16

Left: 3.366 ± 0.073 χ^2/NDF : 1386.1/35

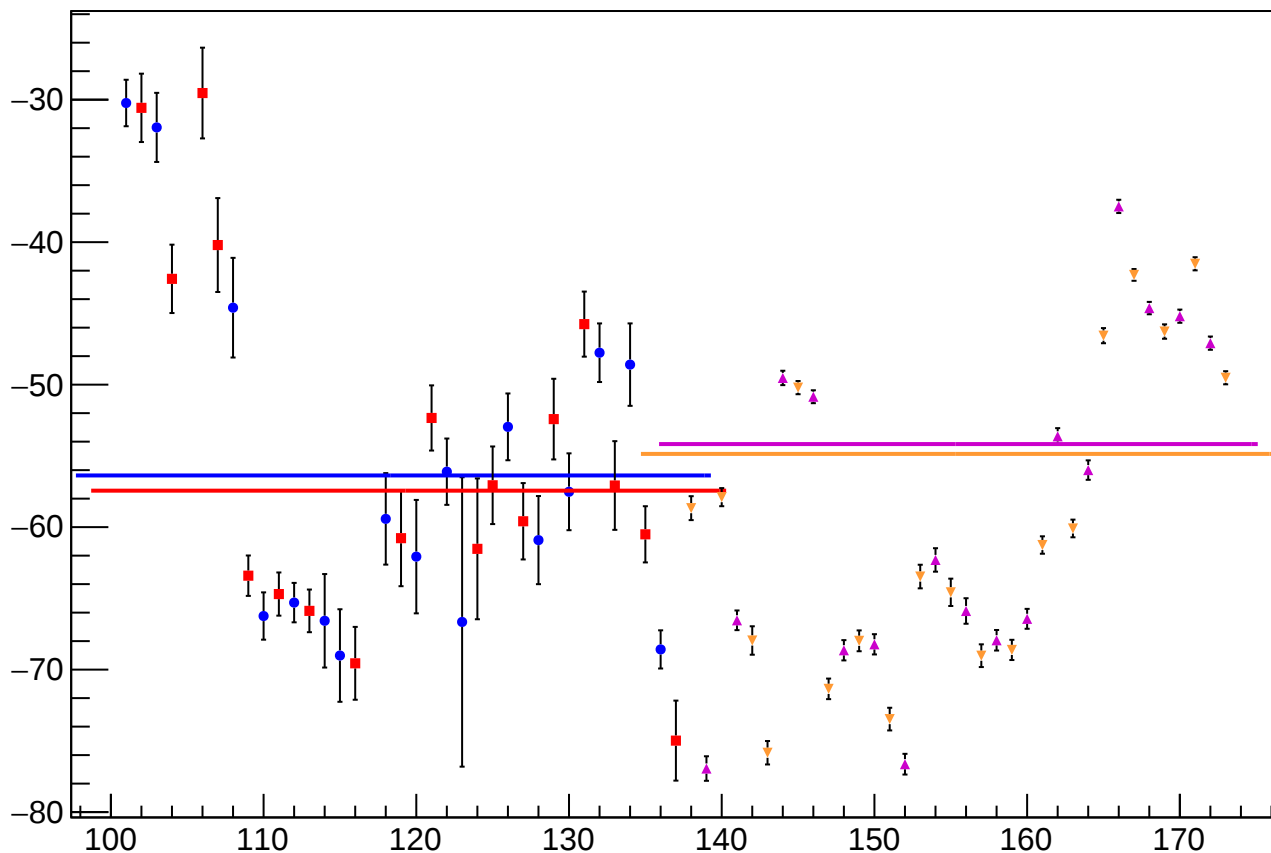
Right: 3.815 ± 0.221 χ^2/NDF : 271.9/34

In: 3.385 ± 0.099 χ^2/NDF : 850.3/33

Out: 3.436 ± 0.098 χ^2/NDF : 811.2/36

All: 3.411 ± 0.070 χ^2/NDF : 1661.7/70

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.373 ± 0.543 χ^2/NDF : 587.6/16

Left Out: -54.861 ± 0.141 χ^2/NDF : 5866.6/18

Right Out: -57.440 ± 0.537 χ^2/NDF : 441.0/17

Left In: -54.170 ± 0.143 χ^2/NDF : 6237.7/16

Left: -54.520 ± 0.100 χ^2/NDF : 12116.2/35

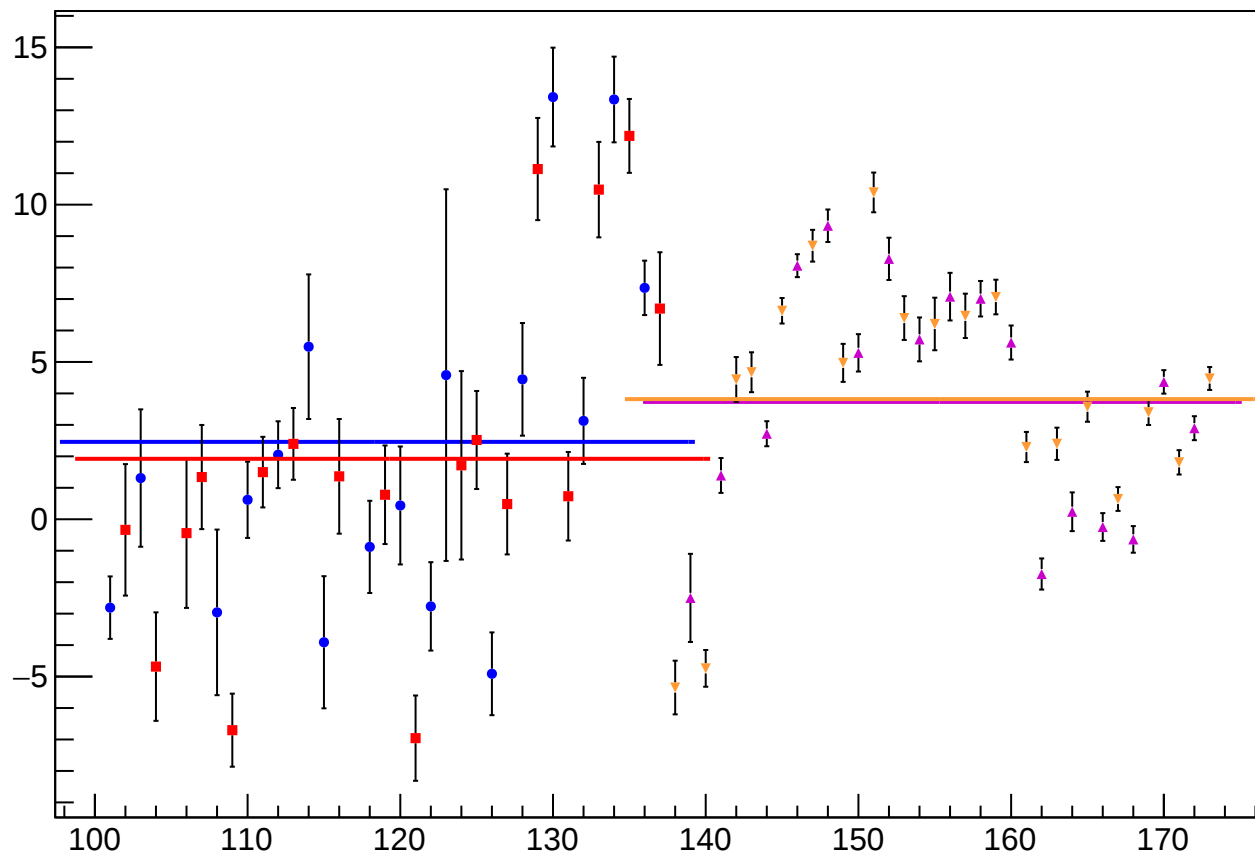
Right: -56.912 ± 0.382 χ^2/NDF : 1030.5/34

In: -54.312 ± 0.138 χ^2/NDF : 6840.7/33

Out: -55.027 ± 0.136 χ^2/NDF : 6329.2/36

All: -54.674 ± 0.097 χ^2/NDF : 13183.4/70

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.460 ± 0.346 χ^2/NDF : 243.9/16

Left Out: 3.819 ± 0.117 χ^2/NDF : 776.4/18

Right Out: 1.922 ± 0.355 χ^2/NDF : 265.1/17

Left In: 3.730 ± 0.121 χ^2/NDF : 778.8/16

Left: 3.776 ± 0.084 χ^2/NDF : 1555.5/35

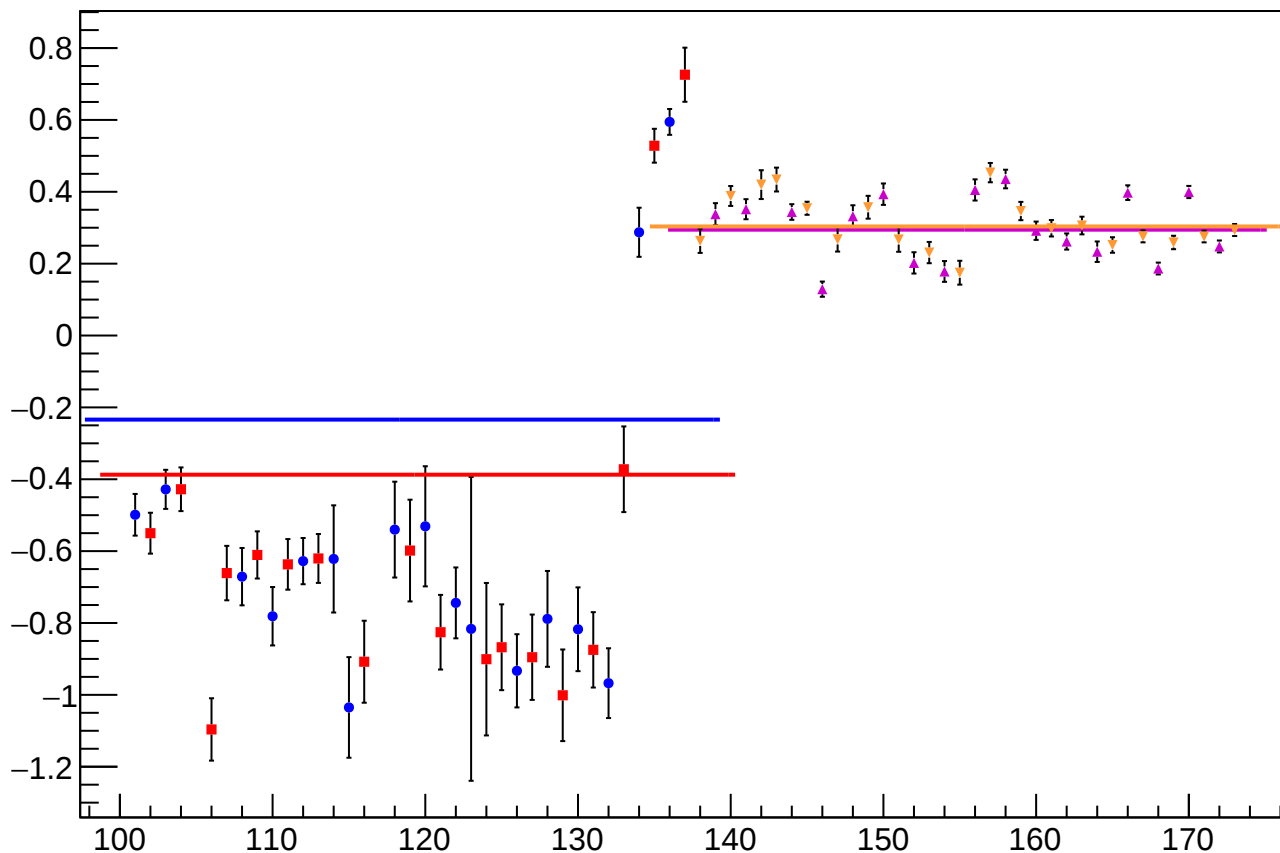
Right: 2.198 ± 0.248 χ^2/NDF : 510.2/34

In: 3.592 ± 0.114 χ^2/NDF : 1034.8/33

Out: 3.633 ± 0.111 χ^2/NDF : 1067.3/36

All: 3.613 ± 0.080 χ^2/NDF : 2102.1/70

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.234 ± 0.019 χ^2/NDF : 958.3/16

Left Out: 0.304 ± 0.005 χ^2/NDF : 119.9/18

Right Out: -0.387 ± 0.019 χ^2/NDF : 846.6/17

Left In: 0.295 ± 0.006 χ^2/NDF : 275.8/16

Left: 0.299 ± 0.004 χ^2/NDF : 397.0/35

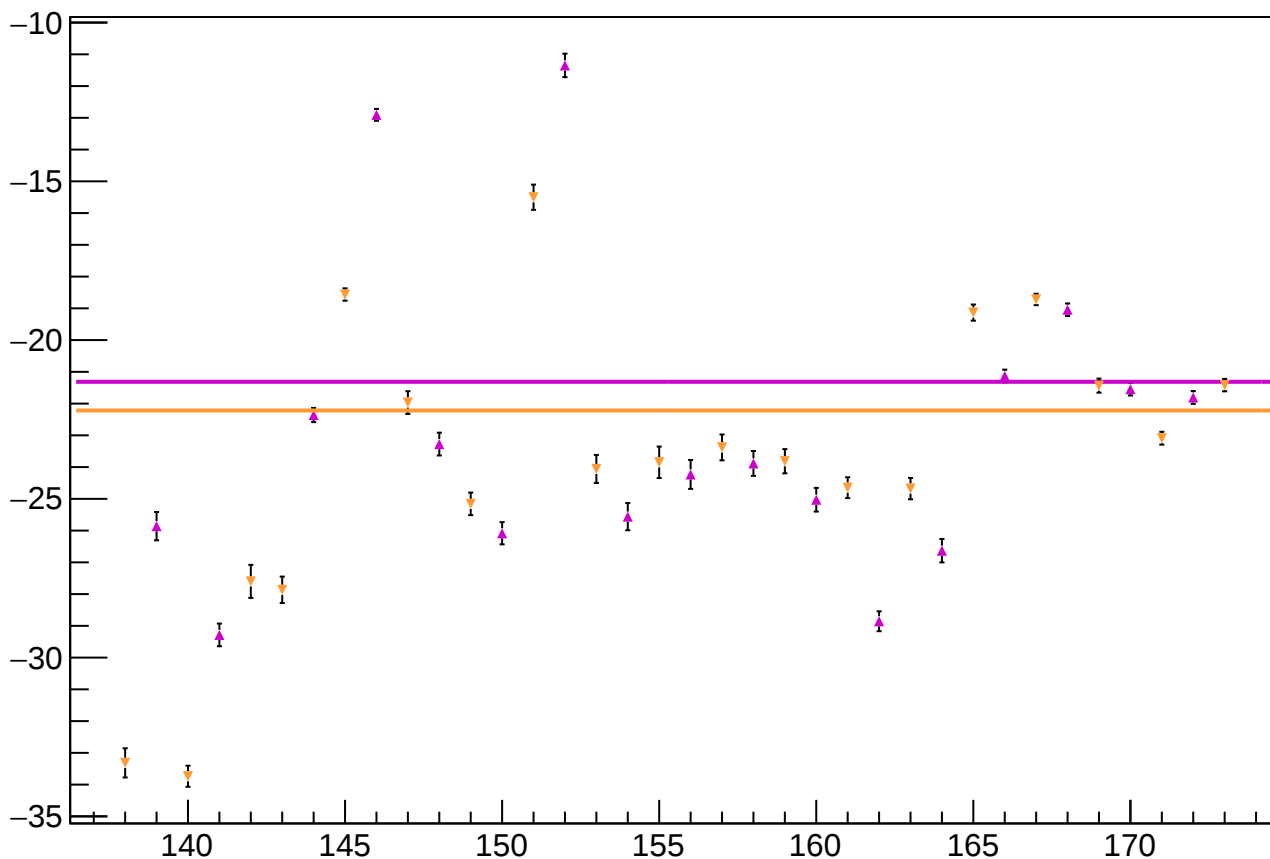
Right: -0.310 ± 0.013 χ^2/NDF : 1837.6/34

In: 0.252 ± 0.005 χ^2/NDF : 1953.3/33

Out: 0.251 ± 0.005 χ^2/NDF : 2188.3/36

All: 0.252 ± 0.004 χ^2/NDF : 4141.6/70

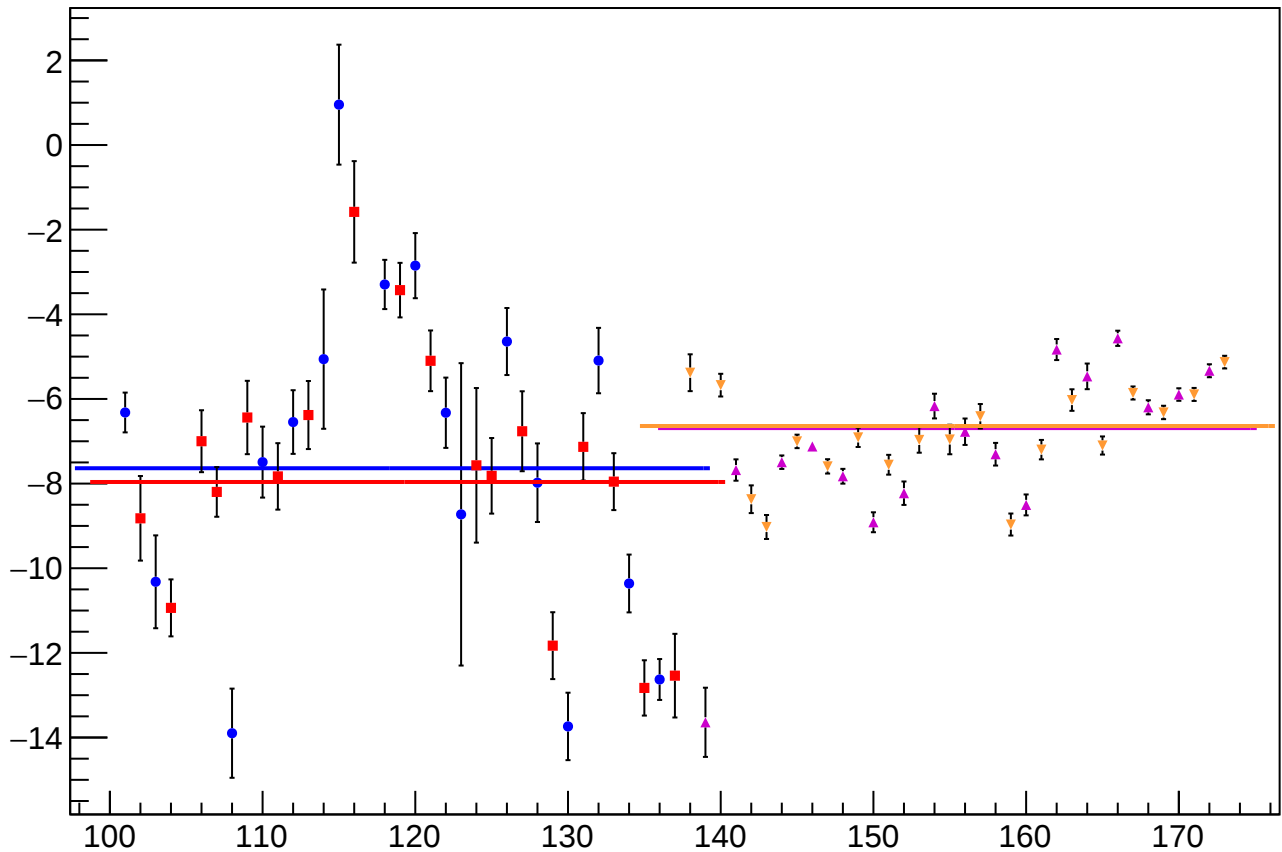
reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -22.217+/-0.066 χ^2/NDF :3515.3/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -21.314+/-0.066 χ^2/NDF :4787.8/16

Left: -21.768+/-0.047 χ^2/NDF : 8396.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -21.314+/-0.066 χ^2/NDF :4787.8/16
 Out: -22.217+/-0.066 χ^2/NDF :3515.3/18
 All: -21.768+/-0.047 χ^2/NDF : 8396.0/35

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.637 ± 0.186 χ^2/NDF : 394.0/16

Left Out: -6.640 ± 0.049 χ^2/NDF : 427.2/18

Right Out: -7.962 ± 0.186 χ^2/NDF : 226.5/17

Left In: -6.689 ± 0.048 χ^2/NDF : 678.6/16

Left: -6.664 ± 0.034 χ^2/NDF : 1106.3/35

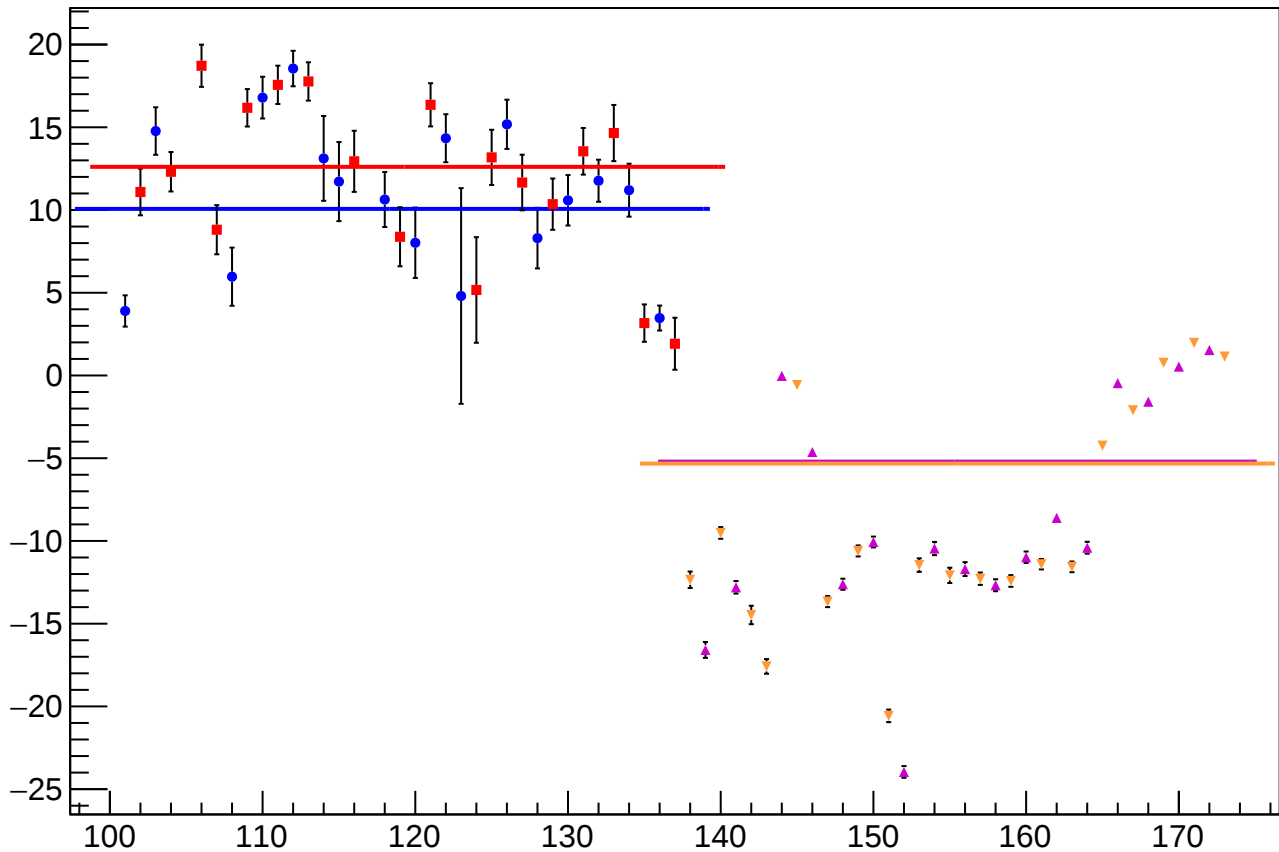
Right: -7.800 ± 0.131 χ^2/NDF : 622.1/34

In: -6.749 ± 0.047 χ^2/NDF : 1096.9/33

Out: -6.724 ± 0.047 χ^2/NDF : 701.2/36

All: -6.736 ± 0.033 χ^2/NDF : 1798.3/70

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.068 $\pm$ 0.337 χ^2 /NDF: 253.6/16

Left Out: -5.322 $\pm$ 0.066 χ^2 /NDF:9674.7/18

Right Out: 12.609 $\pm$ 0.333 χ^2 /NDF: 219.0/17

Left In: -5.206 $\pm$ 0.066 χ^2 /NDF:9169.0/16

Left: -5.264 $\pm$ 0.047 χ^2 /NDF: 18845.3/35

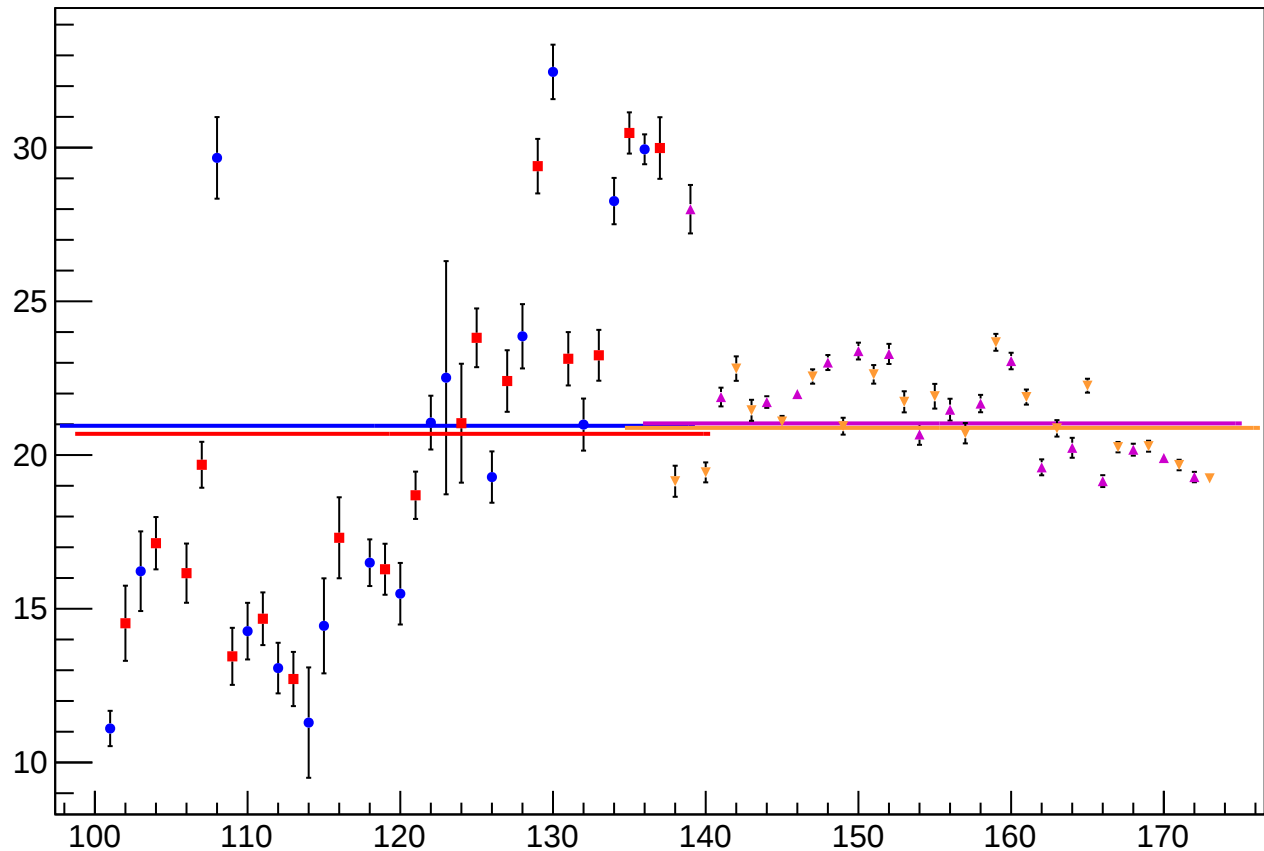
Right: 11.355 $\pm$ 0.237 χ^2 /NDF: 501.3/34

In: -4.644 $\pm$ 0.065 χ^2 /NDF:11396.3/33

Out: -4.639 $\pm$ 0.065 χ^2 /NDF:12681.1/36

All: -4.641 $\pm$ 0.046 χ^2 /NDF: 24077.4/70

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.951 $\pm$ 0.210 χ^2 /NDF: 1222.8/16

Left Out: 20.883 $\pm$ 0.055 χ^2 /NDF:490.8/18

Right Out: 20.690 $\pm$ 0.213 χ^2 /NDF: 726.9/17

Left In: 21.029 $\pm$ 0.056 χ^2 /NDF:700.1/16

Left: 20.955 $\pm$ 0.039 χ^2 /NDF: 1194.3/35

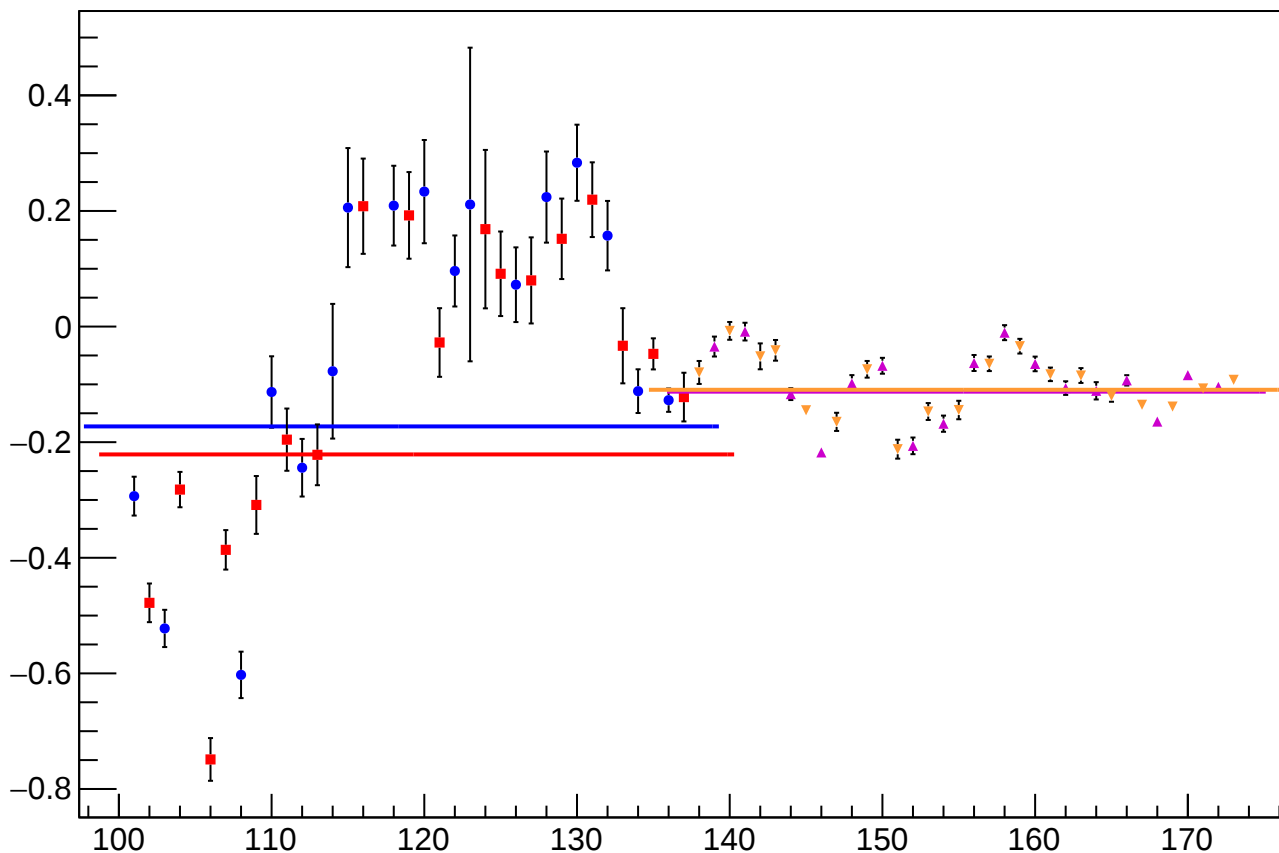
Right: 20.822 $\pm$ 0.149 χ^2 /NDF: 1950.5/34

In: 21.024 $\pm$ 0.054 χ^2 /NDF:1923.0/33

Out: 20.871 $\pm$ 0.054 χ^2 /NDF:1218.5/36

All: 20.947 $\pm$ 0.038 χ^2 /NDF: 3145.5/70

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173 ± 0.011 χ^2/NDF : 460.3/16

Left Out: -0.109 ± 0.003 χ^2/NDF : 243.7/18

Right Out: -0.221 ± 0.011 χ^2/NDF : 535.1/17

Left In: -0.113 ± 0.003 χ^2/NDF : 448.7/16

Left: -0.111 ± 0.002 χ^2/NDF : 693.1/35

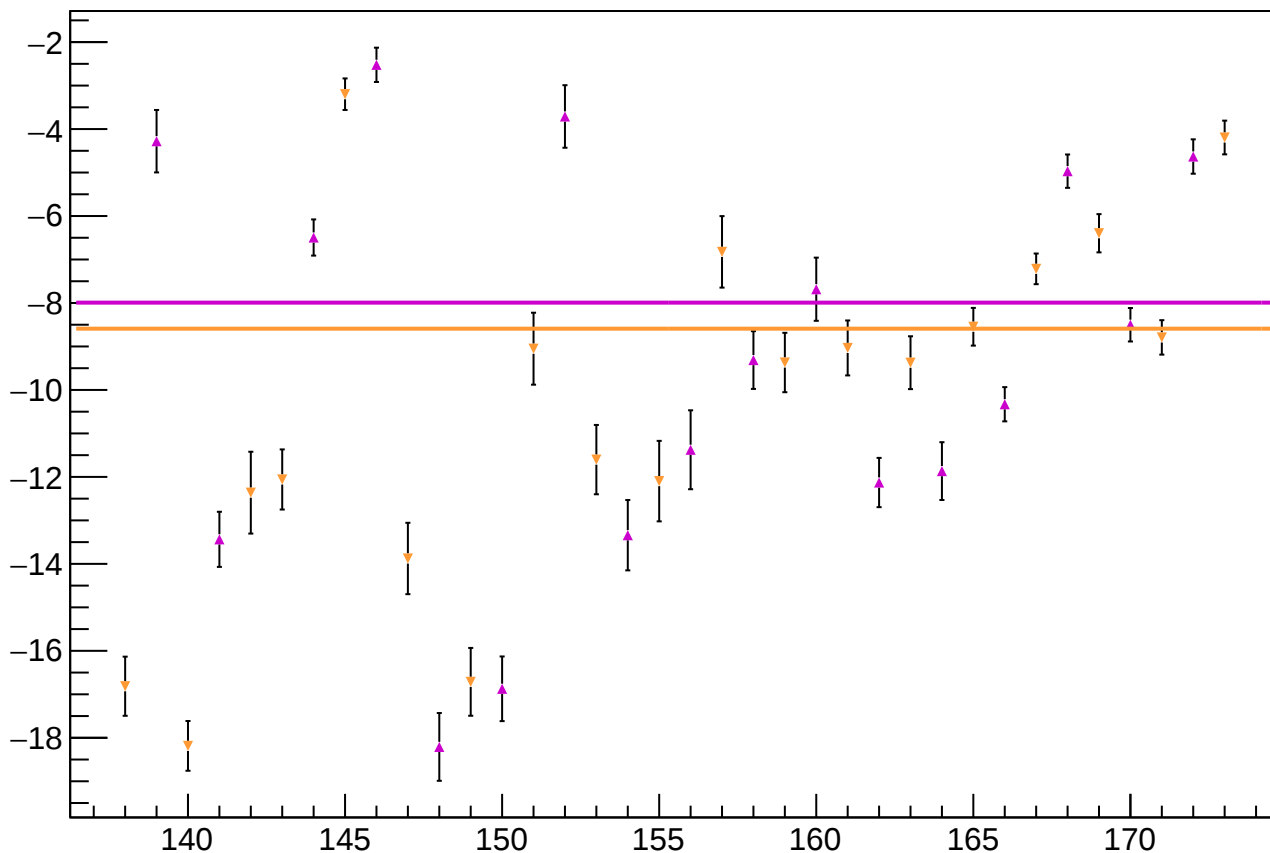
Right: -0.197 ± 0.008 χ^2/NDF : 1005.0/34

In: -0.116 ± 0.003 χ^2/NDF : 936.4/33

Out: -0.115 ± 0.002 χ^2/NDF : 877.5/36

All: -0.115 ± 0.002 χ^2/NDF : 1813.9/70

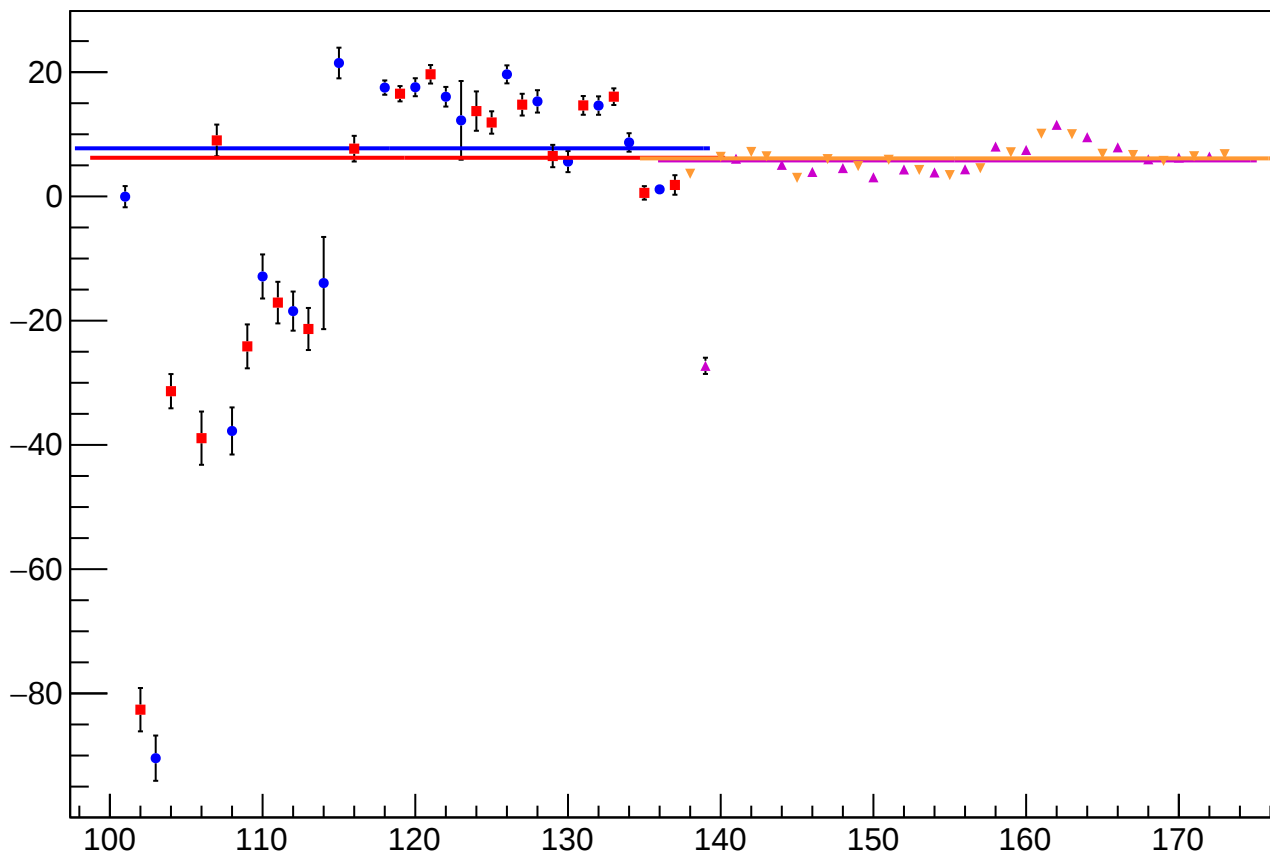
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.591 $\pm$ 0.125 χ^2 /NDF:1045.8/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.992 $\pm$ 0.128 χ^2 /NDF:976.1/16

Left: -8.299 $\pm$ 0.090 χ^2 /NDF: 2033.1/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.992 $\pm$ 0.128 χ^2 /NDF:976.1/16
 Out: -8.591 $\pm$ 0.125 χ^2 /NDF:1045.8/18
 All: -8.299 $\pm$ 0.090 χ^2 /NDF: 2033.1/35

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.742 ± 0.403 $\chi^2/\text{NDF}: 1358.9/16$

Left Out: 6.121 ± 0.093 $\chi^2/\text{NDF}: 350.8/18$

Right Out: 6.220 ± 0.434 $\chi^2/\text{NDF}: 1445.9/17$

Left In: 5.793 ± 0.095 $\chi^2/\text{NDF}: 1052.2/16$

Left: 5.960 ± 0.066 $\chi^2/\text{NDF}: 1409.1/35$

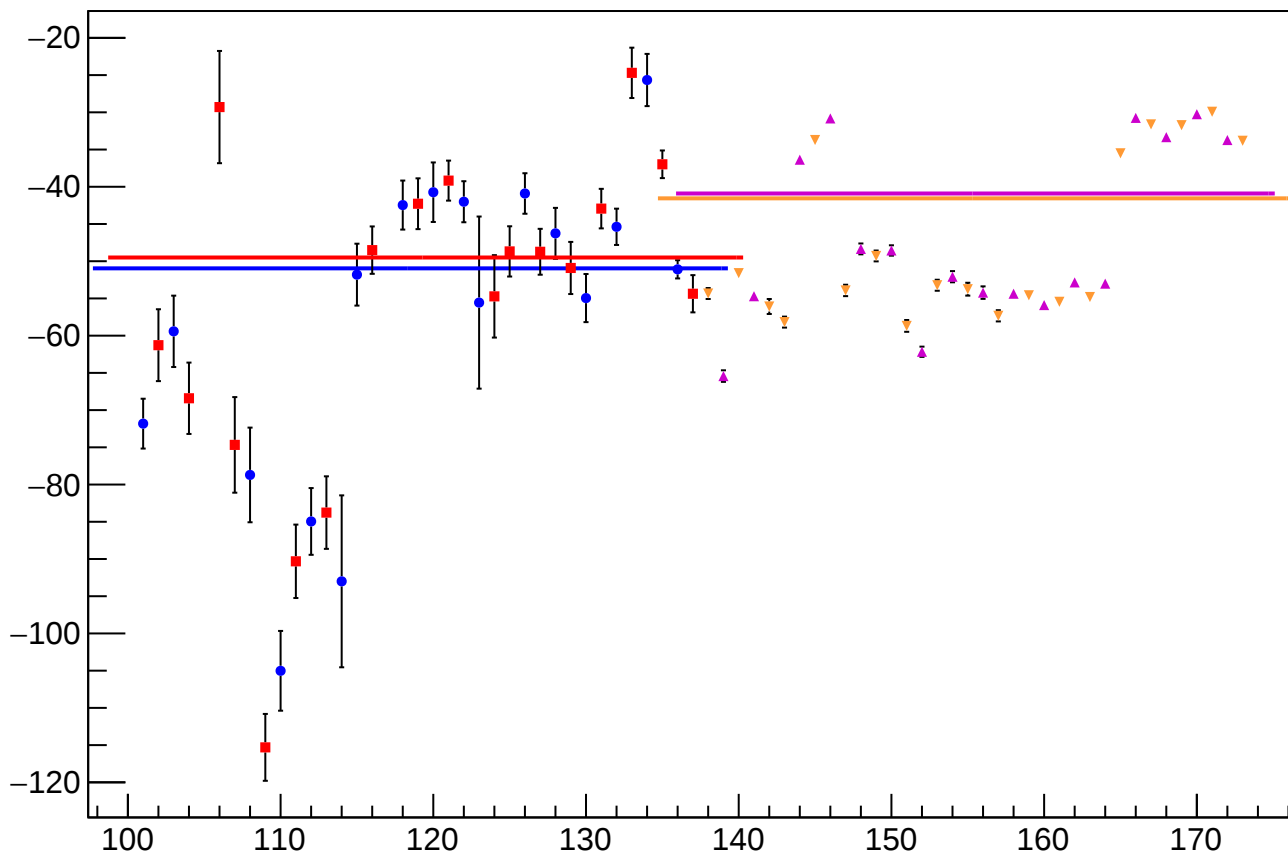
Right: 7.037 ± 0.295 $\chi^2/\text{NDF}: 2811.4/34$

In: 5.895 ± 0.092 $\chi^2/\text{NDF}: 2433.3/33$

Out: 6.125 ± 0.091 $\chi^2/\text{NDF}: 1796.8/36$

All: 6.012 ± 0.065 $\chi^2/\text{NDF}: 4233.2/70$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -50.959 ± 0.738 χ^2/NDF : 331.9/16

Left Out: -41.556 ± 0.126 χ^2/NDF : 7559.5/18

Right Out: -49.502 ± 0.798 χ^2/NDF : 506.4/17

Left In: -40.904 ± 0.128 χ^2/NDF : 7786.0/16

Left: -41.234 ± 0.090 χ^2/NDF : 15358.7/35

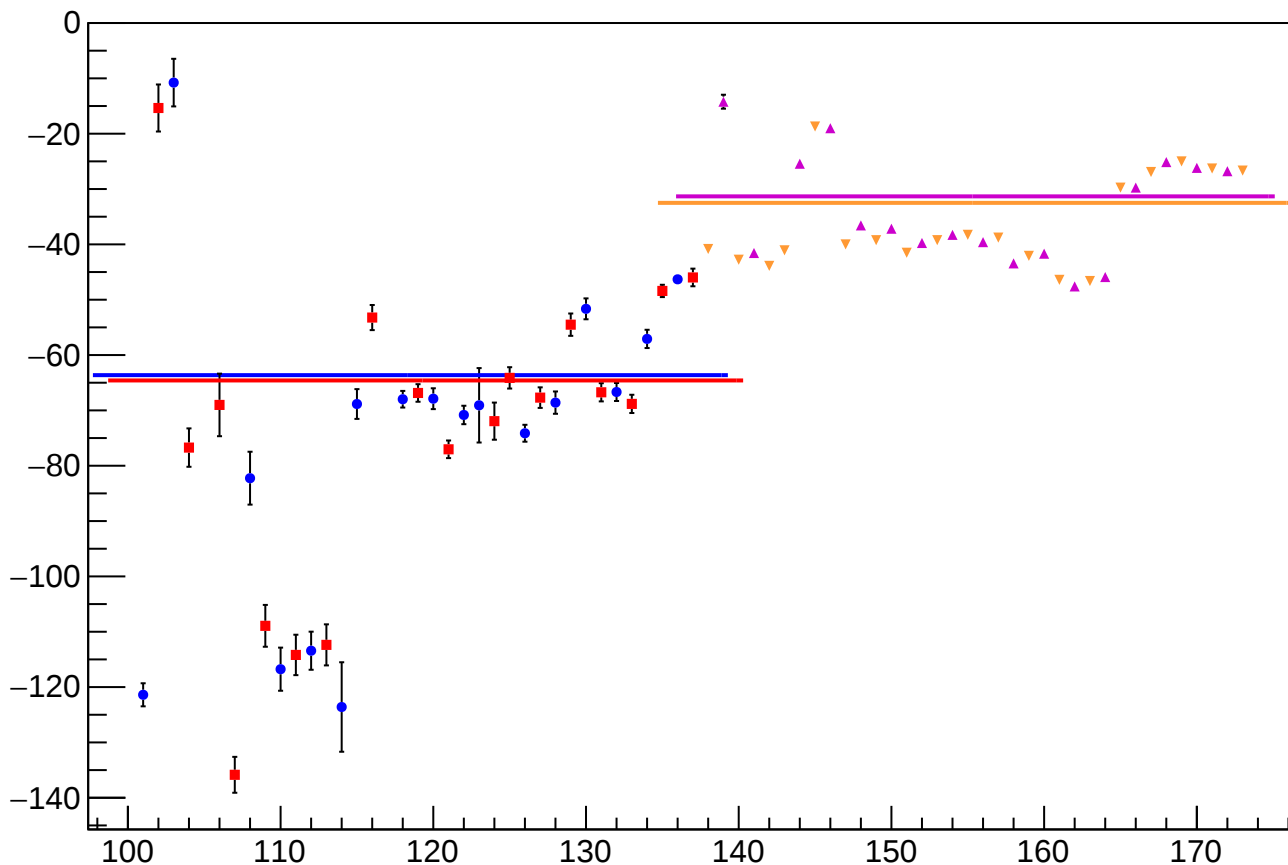
Right: -50.287 ± 0.542 χ^2/NDF : 840.1/34

In: -41.195 ± 0.126 χ^2/NDF : 8297.9/33

Out: -41.749 ± 0.125 χ^2/NDF : 8162.7/36

All: -41.475 ± 0.088 χ^2/NDF : 16470.4/70

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.631 ± 0.446 χ^2/NDF : 2011.2/16

Left Out: -32.498 ± 0.105 χ^2/NDF : 7001.9/18

Right Out: -64.590 ± 0.482 χ^2/NDF : 1594.3/17

Left In: -31.325 ± 0.109 χ^2/NDF : 6581.9/16

Left: -31.930 ± 0.076 χ^2/NDF : 13643.8/35

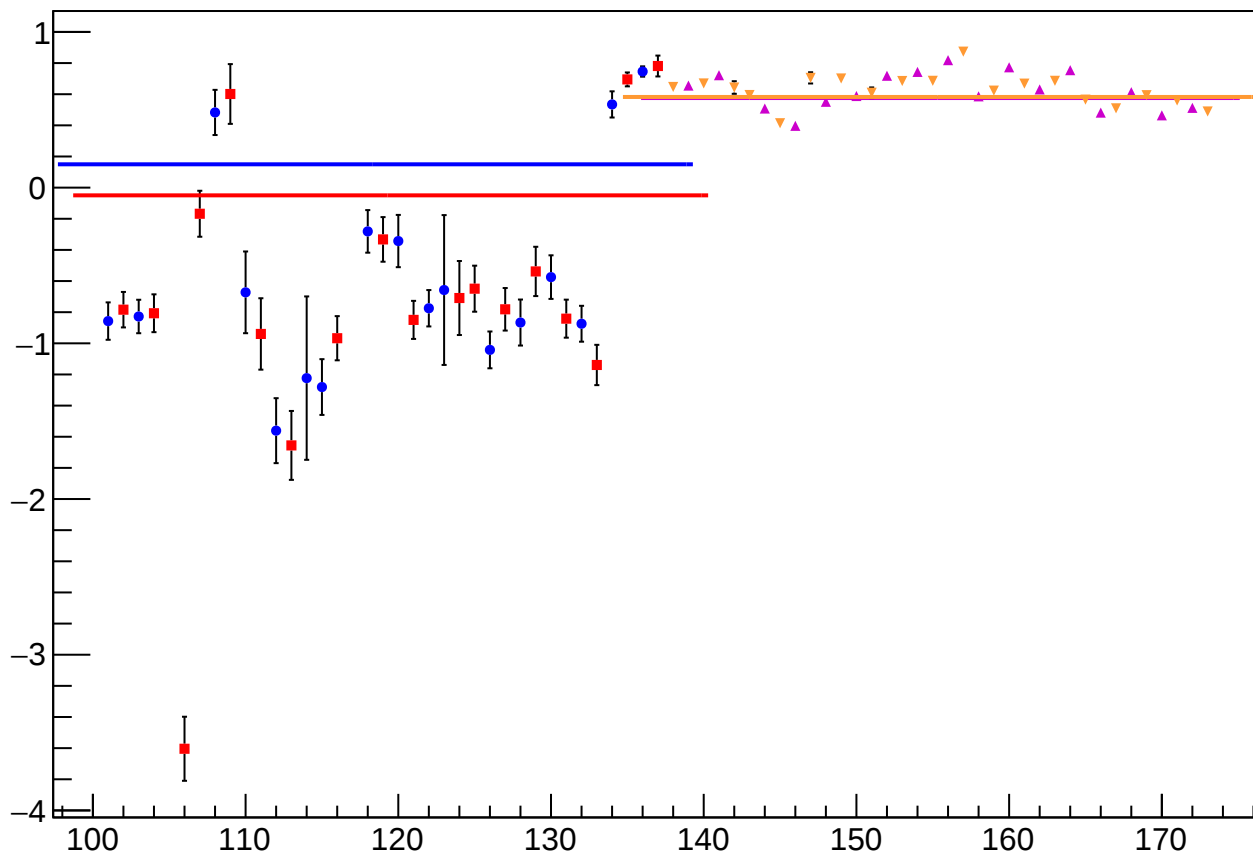
Right: -64.073 ± 0.327 χ^2/NDF : 3607.7/34

In: -33.139 ± 0.106 χ^2/NDF : 13548.8/33

Out: -33.963 ± 0.103 χ^2/NDF : 12824.0/36

All: -33.561 ± 0.074 χ^2/NDF : 26403.9/70

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.150 $\pm$ 0.024 χ^2 /NDF: 989.2/16

Left Out: 0.582 $\pm$ 0.005 χ^2 /NDF:431.8/18

Right Out: -0.050 $\pm$ 0.026 χ^2 /NDF: 1154.0/17

Left In: 0.575 $\pm$ 0.005 χ^2 /NDF:525.1/16

Left: 0.579 $\pm$ 0.003 χ^2 /NDF: 957.9/35

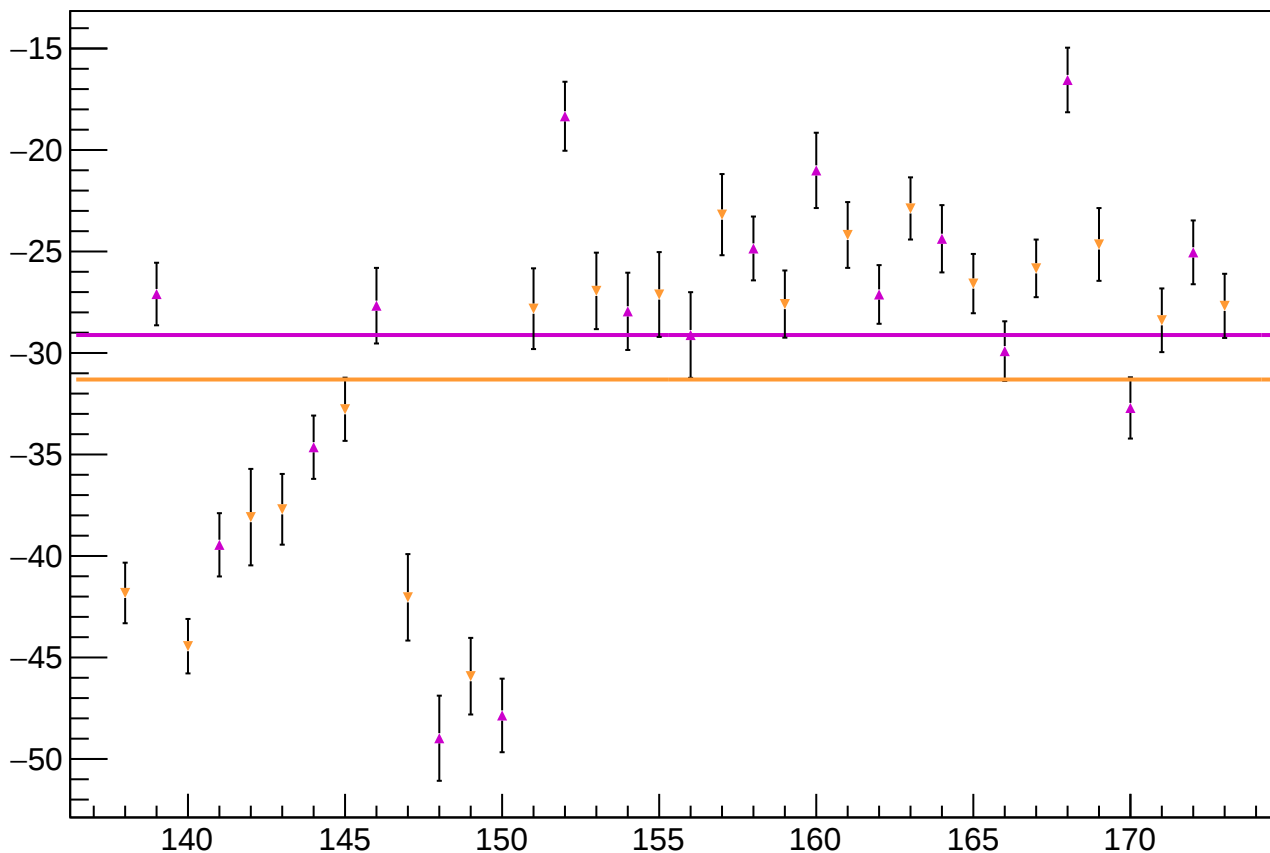
Right: 0.059 $\pm$ 0.018 χ^2 /NDF: 2174.6/34

In: 0.558 $\pm$ 0.005 χ^2 /NDF:1816.0/33

Out: 0.561 $\pm$ 0.005 χ^2 /NDF:2147.0/36

All: 0.560 $\pm$ 0.003 χ^2 /NDF: 3963.3/70

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: -31.307+/-0.387 χ^2/NDF :384.8/18

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

Left In: -29.115+/-0.403 χ^2/NDF :407.7/16

Left: -30.257+/-0.279 χ^2/NDF : 807.9/35

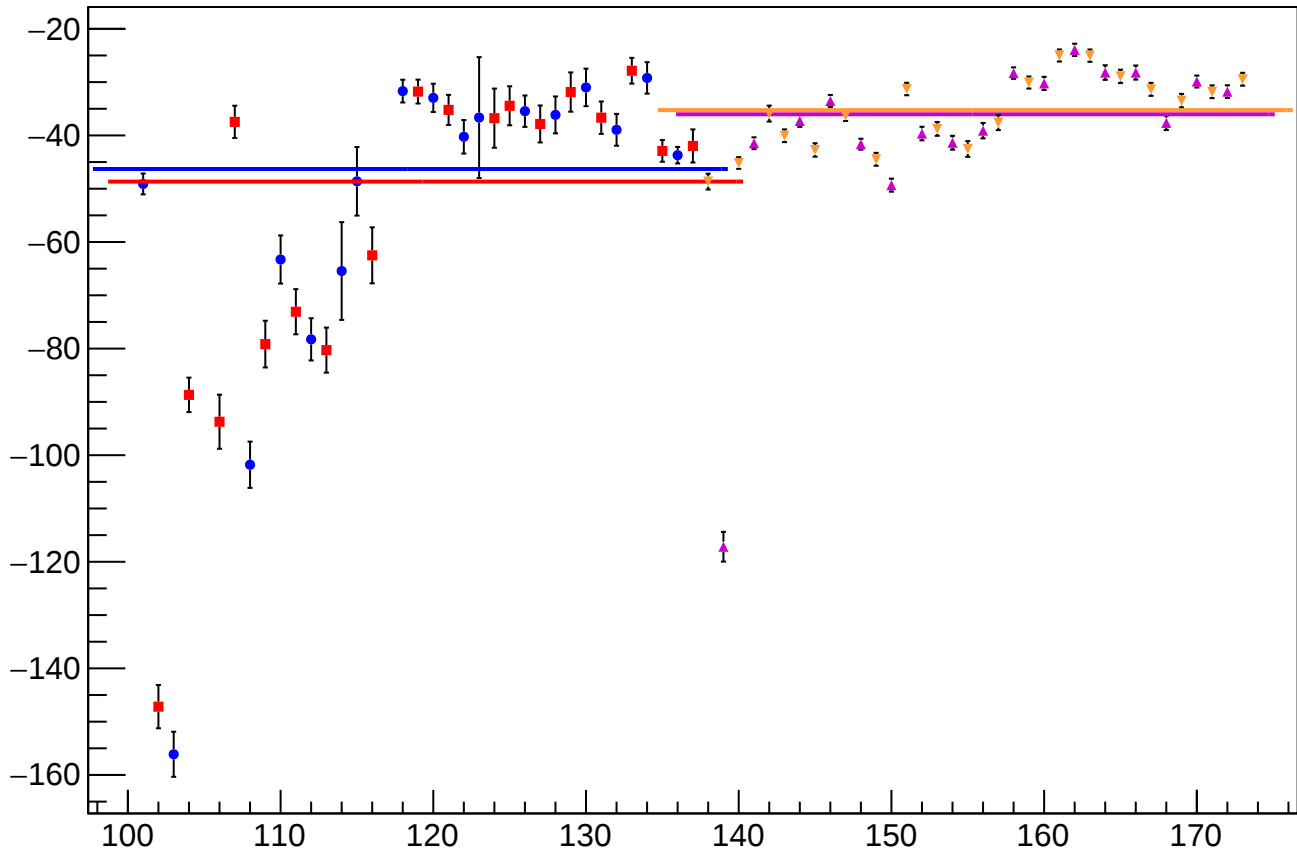
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.115+/-0.403 χ^2/NDF :407.7/16

Out: -31.307+/-0.387 χ^2/NDF :384.8/18

All: -30.257+/-0.279 χ^2/NDF : 807.9/35

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.301 ± 0.723 $\chi^2/\text{NDF}: 1084.0/16$

Left Out: -35.258 ± 0.282 $\chi^2/\text{NDF}: 567.7/18$

Right Out: -48.666 ± 0.763 $\chi^2/\text{NDF}: 1212.3/17$

Left In: -36.033 ± 0.299 $\chi^2/\text{NDF}: 1345.8/16$

Left: -35.623 ± 0.205 $\chi^2/\text{NDF}: 1917.0/35$

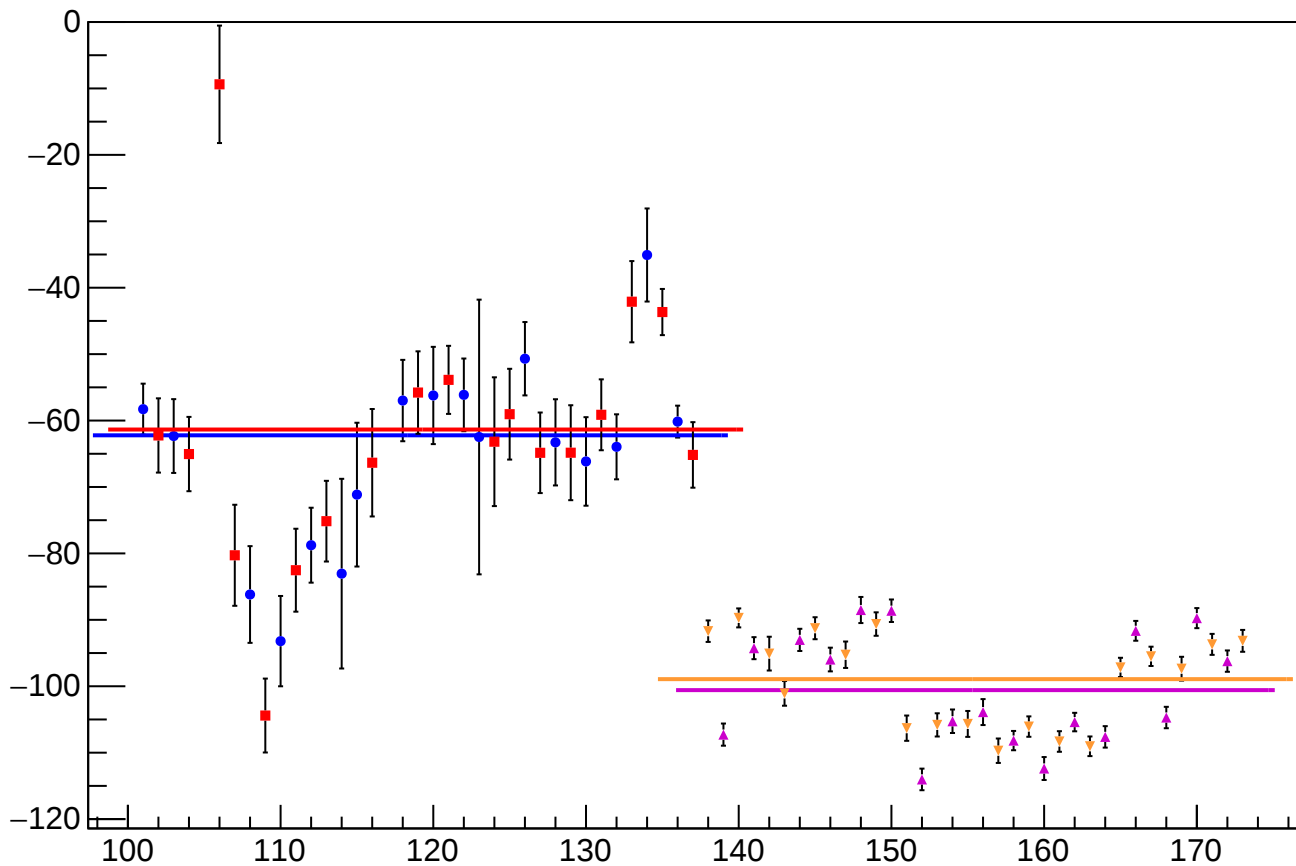
Right: -47.420 ± 0.525 $\chi^2/\text{NDF}: 2301.3/34$

In: -37.527 ± 0.276 $\chi^2/\text{NDF}: 2601.9/33$

Out: -36.868 ± 0.265 $\chi^2/\text{NDF}: 2051.5/36$

All: -37.183 ± 0.191 $\chi^2/\text{NDF}: 4656.3/70$

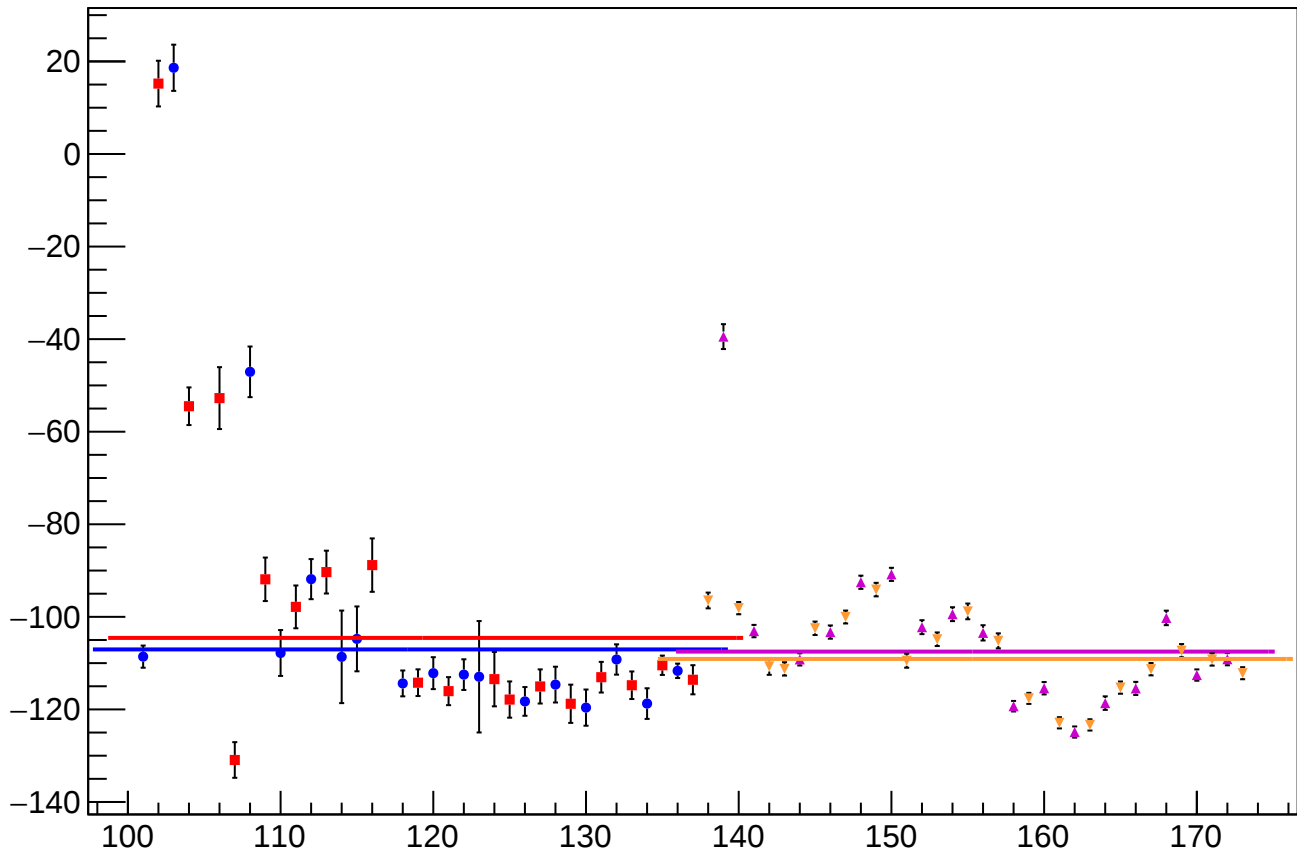
reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.221 ± 1.312 χ^2/NDF : 67.3/16
 Left Out: -98.929 ± 0.385 χ^2/NDF : 325.2/18
 Right Out: -61.350 ± 1.383 χ^2/NDF : 158.4/17
 Left In: -100.582 ± 0.397 χ^2/NDF : 429.8/16

Left: -99.729 ± 0.277 χ^2/NDF : 763.9/35
 Right: -61.809 ± 0.952 χ^2/NDF : 225.9/34
 In: -97.357 ± 0.380 χ^2/NDF : 1280.5/33
 Out: -96.226 ± 0.371 χ^2/NDF : 1169.0/36
 All: -96.777 ± 0.266 χ^2/NDF : 2454.0/70

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -107.040 ± 0.812 χ^2/NDF : 827.8/16

Left Out: -109.093 ± 0.323 χ^2/NDF : 692.8/18

Right Out: -104.550 ± 0.861 χ^2/NDF : 967.4/17

Left In: -107.509 ± 0.340 χ^2/NDF : 1437.0/16

Left: -108.343 ± 0.234 χ^2/NDF : 2141.2/35

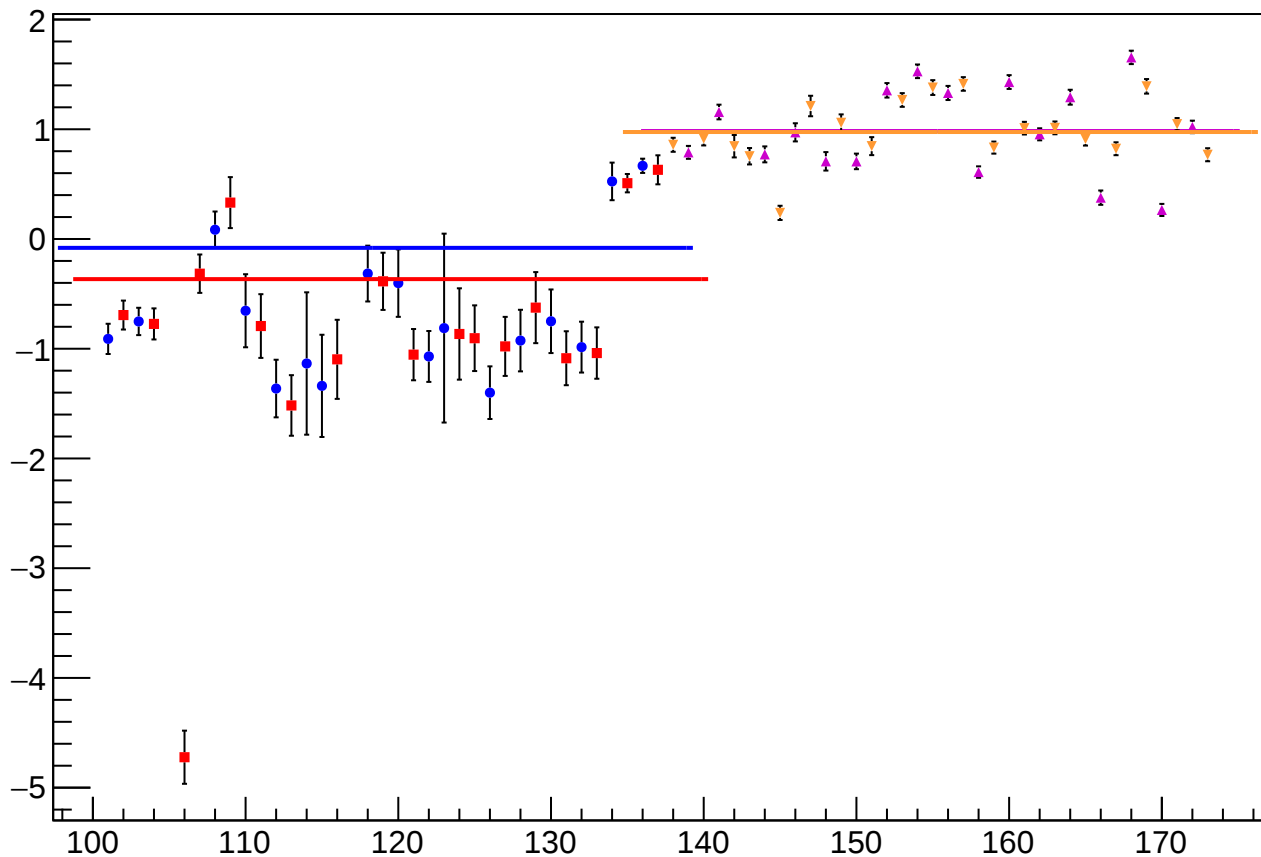
Right: -105.867 ± 0.591 χ^2/NDF : 1799.7/34

In: -107.439 ± 0.314 χ^2/NDF : 2265.1/33

Out: -108.533 ± 0.302 χ^2/NDF : 1684.6/36

All: -108.007 ± 0.218 χ^2/NDF : 3956.1/70

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081 ± 0.042 χ^2/NDF : 328.9/16

Left Out: 0.975 ± 0.015 χ^2/NDF : 329.8/18

Right Out: -0.366 ± 0.044 χ^2/NDF : 572.8/17

Left In: 0.984 ± 0.015 χ^2/NDF : 689.5/16

Left: 0.979 ± 0.011 χ^2/NDF : 1019.4/35

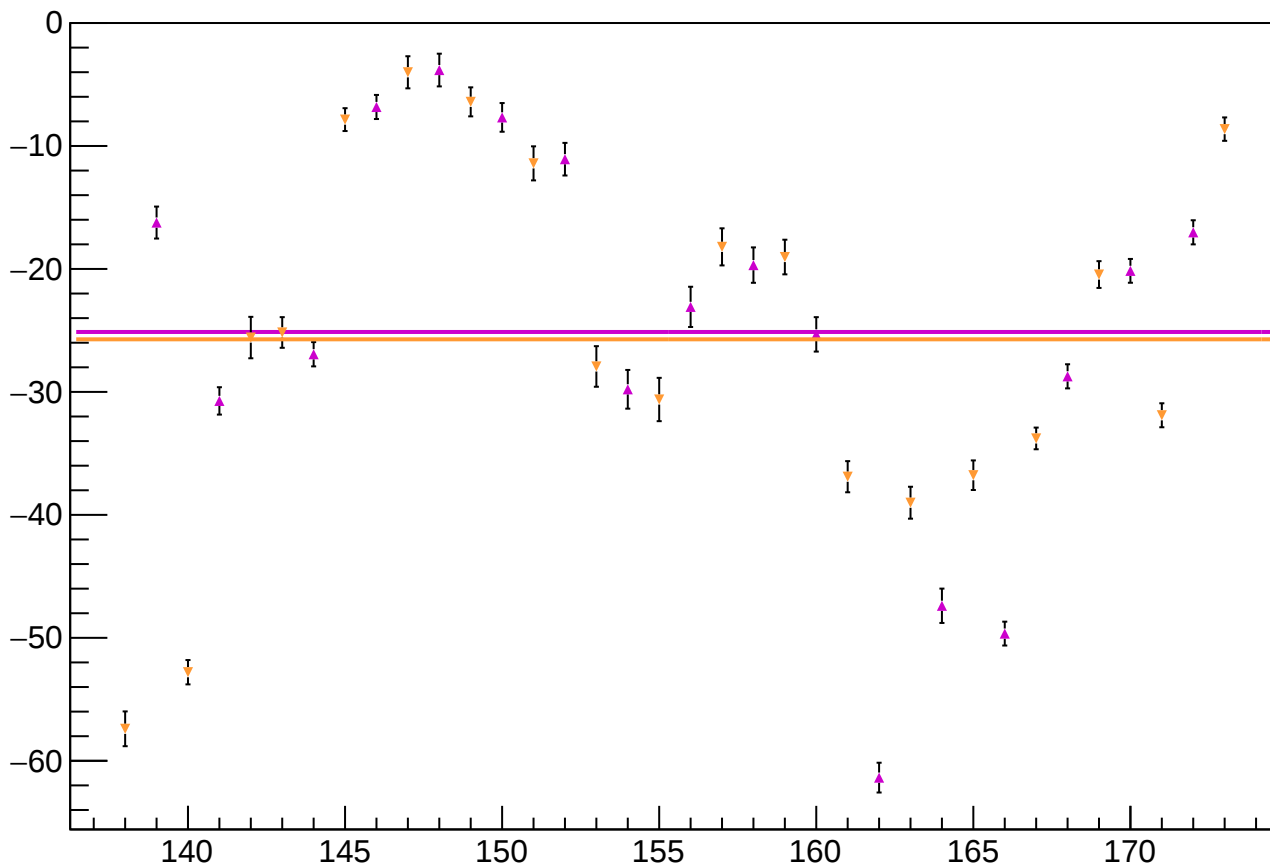
Right: -0.217 ± 0.030 χ^2/NDF : 923.5/34

In: 0.859 ± 0.014 χ^2/NDF : 1580.3/33

Out: 0.837 ± 0.014 χ^2/NDF : 1735.1/36

All: 0.848 ± 0.010 χ^2/NDF : 3316.5/70

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



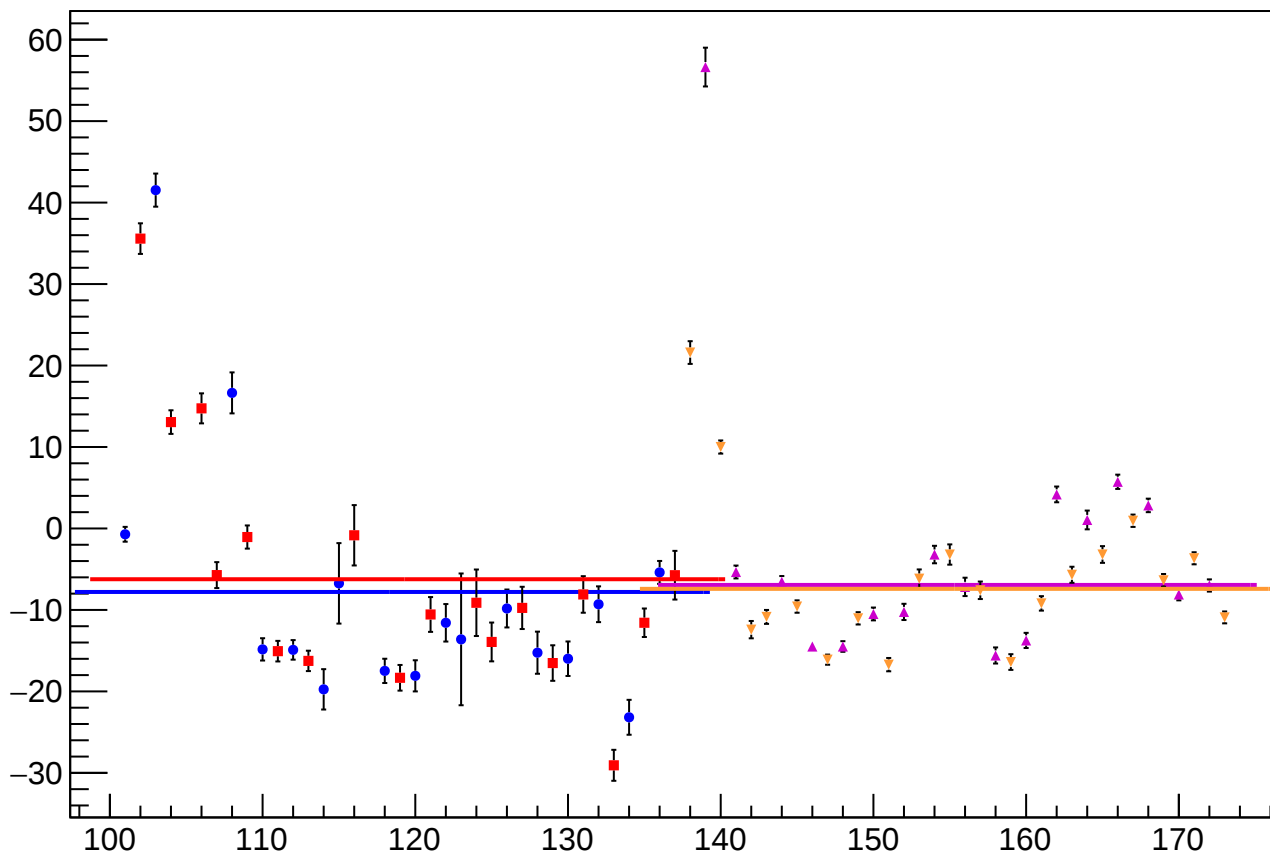
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -25.724+/-0.274 χ^2/NDF :3063.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -25.126+/-0.283 χ^2/NDF :2938.6/16

Left: -25.434+/-0.197 χ^2/NDF : 6004.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.126+/-0.283 χ^2/NDF :2938.6/16
 Out: -25.724+/-0.274 χ^2/NDF :3063.7/18

All: -25.434+/-0.197 χ^2/NDF : 6004.6/35

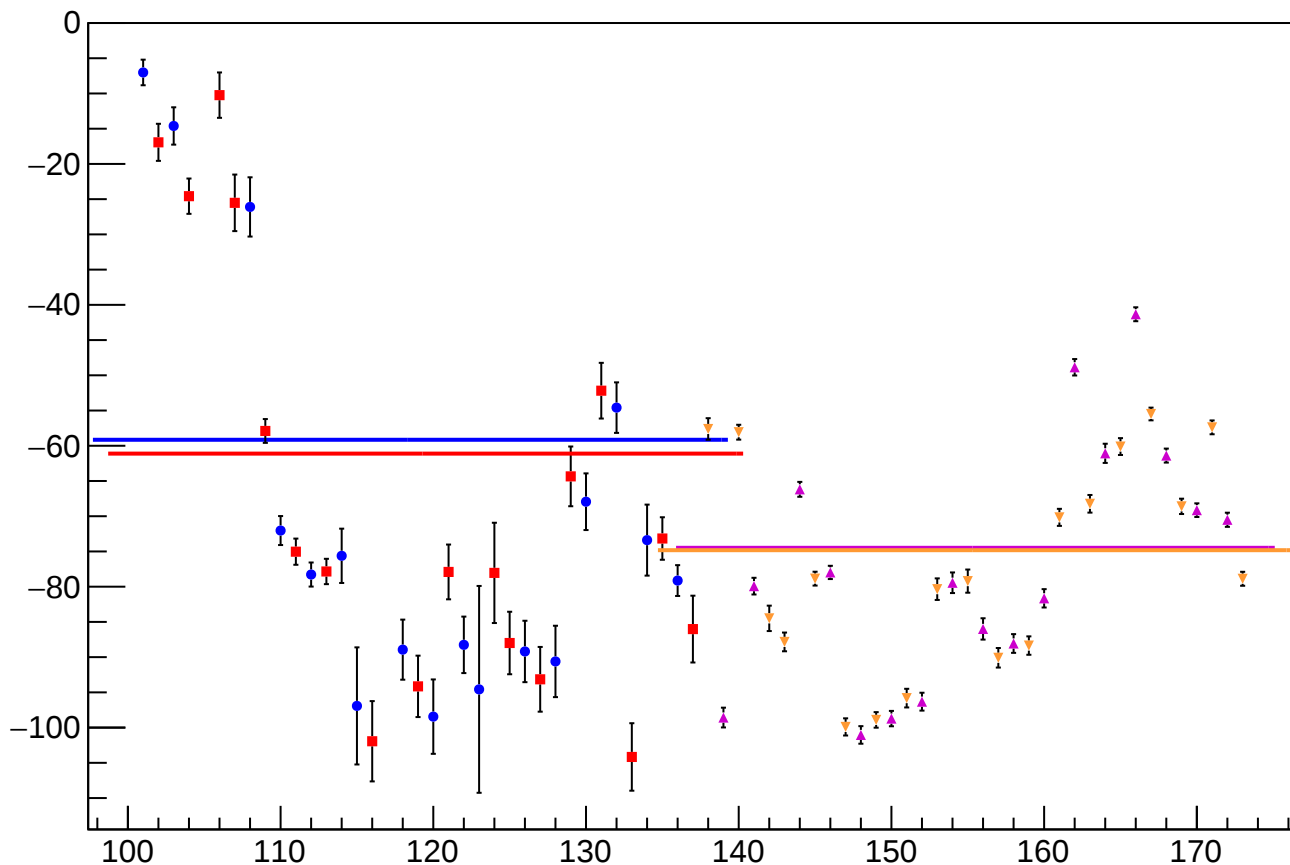
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.794 ± 0.428 χ^2/NDF : 982.7/16
 Left Out: -7.413 ± 0.198 χ^2/NDF : 1586.1/18
 Right Out: -6.231 ± 0.430 χ^2/NDF : 1183.0/17
 Left In: -6.932 ± 0.206 χ^2/NDF : 1706.8/16

Left: -7.182 ± 0.143 χ^2/NDF : 3295.7/35
 Right: -7.016 ± 0.303 χ^2/NDF : 2172.3/34
 In: -7.094 ± 0.186 χ^2/NDF : 2692.8/33
 Out: -7.206 ± 0.180 χ^2/NDF : 2775.3/36
 All: -7.152 ± 0.129 χ^2/NDF : 5468.3/70

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.150 $\pm$ 0.745 χ^2 /NDF: 1718.3/16

Left Out: -74.821 $\pm$ 0.274 χ^2 /NDF: 2937.3/18

Right Out: -61.113 $\pm$ 0.708 χ^2 /NDF: 1317.8/17

Left In: -74.483 $\pm$ 0.280 χ^2 /NDF: 3762.1/16

Left: -74.656 $\pm$ 0.196 χ^2 /NDF: 6700.1/35

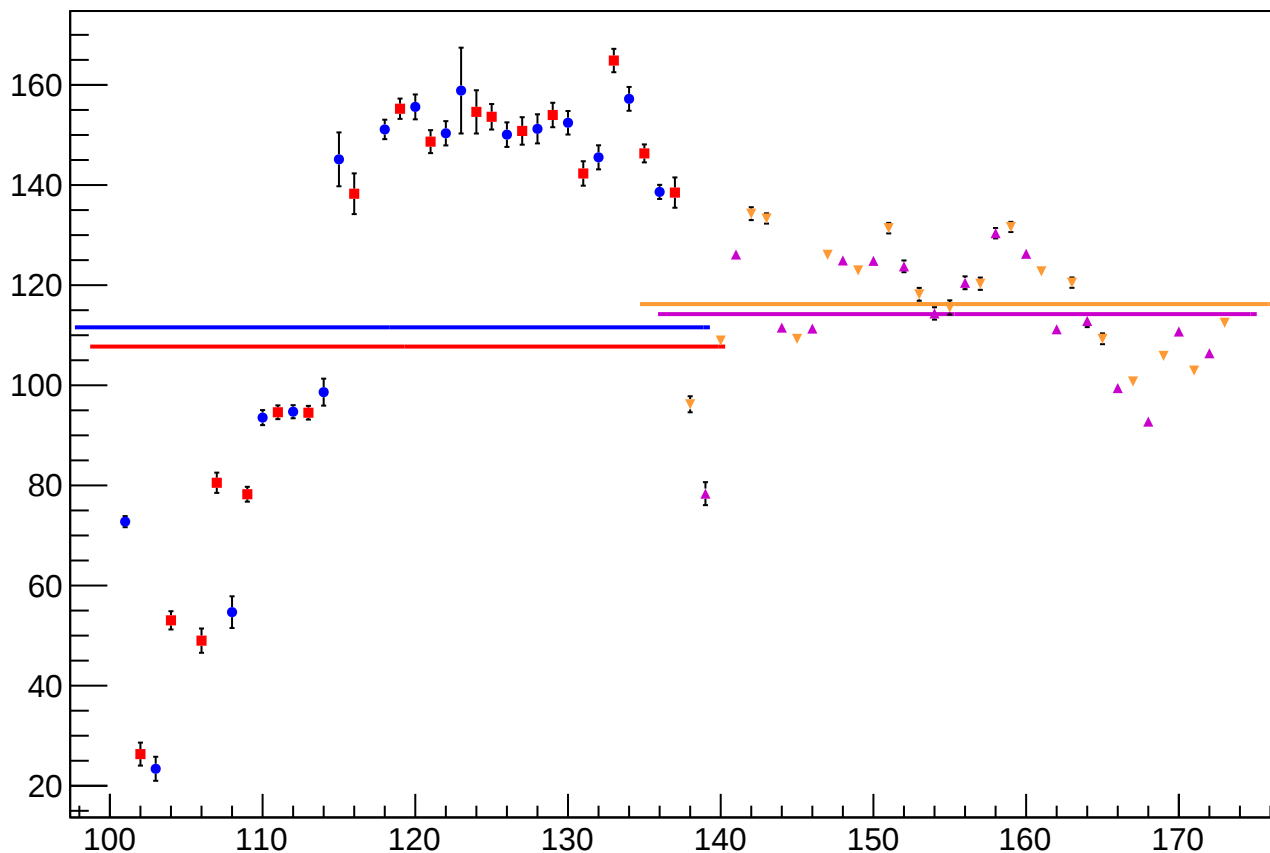
Right: -60.182 $\pm$ 0.513 χ^2 /NDF: 3039.8/34

In: -72.589 $\pm$ 0.262 χ^2 /NDF: 5851.4/33

Out: -73.038 $\pm$ 0.255 χ^2 /NDF: 4581.4/36

All: -72.819 $\pm$ 0.183 χ^2 /NDF: 10434.3/70

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.580 $\pm$ 0.487 χ^2 /NDF: 5946.0/16

Left Out: 116.222 $\pm$ 0.228 χ^2 /NDF:2263.4/18

Right Out: 107.735 $\pm$ 0.489 χ^2 /NDF: 6836.2/17

Left In: 114.217 $\pm$ 0.238 χ^2 /NDF:2035.0/16

Left: 115.262 $\pm$ 0.165 χ^2 /NDF: 4335.4/35

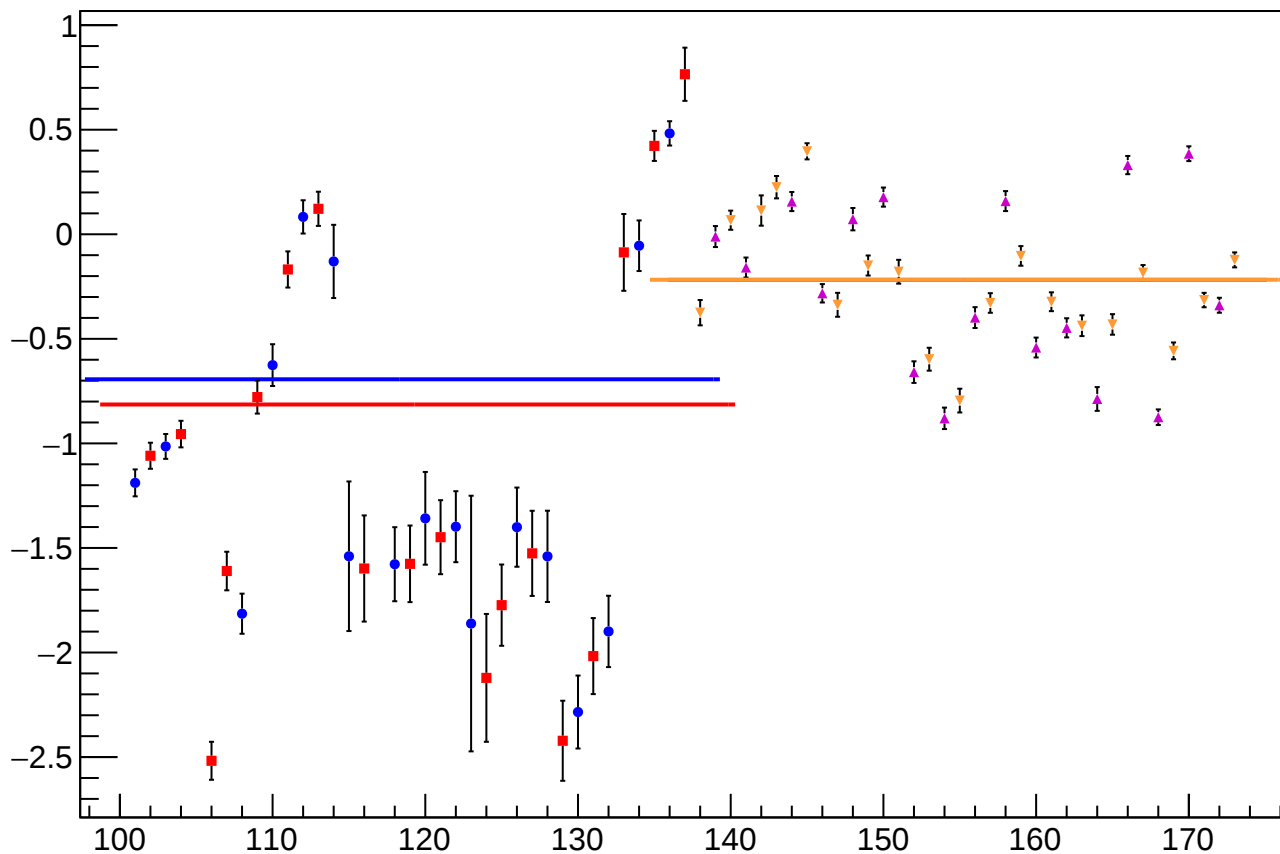
Right: 109.661 $\pm$ 0.345 χ^2 /NDF: 12813.2/34

In: 113.710 $\pm$ 0.214 χ^2 /NDF:8004.6/33

Out: 114.703 $\pm$ 0.207 χ^2 /NDF:9347.3/36

All: 114.223 $\pm$ 0.149 χ^2 /NDF: 17363.1/70

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.694 ± 0.026 χ^2/NDF : 990.7/16

Left Out: -0.217 ± 0.011 χ^2/NDF : 689.3/18

Right Out: -0.814 ± 0.024 χ^2/NDF : 1308.8/17

Left In: -0.218 ± 0.011 χ^2/NDF : 1448.7/16

Left: -0.218 ± 0.008 χ^2/NDF : 2138.0/35

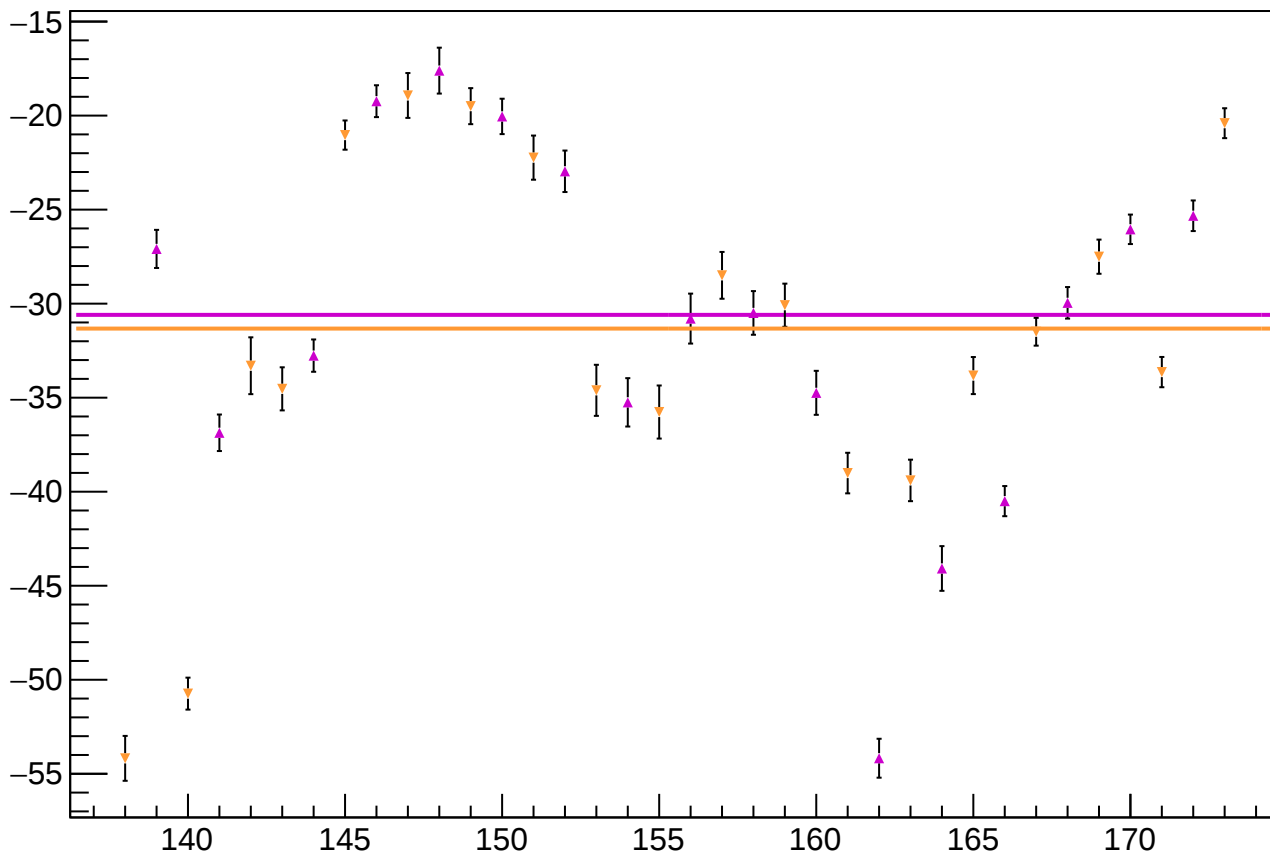
Right: -0.757 ± 0.018 χ^2/NDF : 2310.9/34

In: -0.291 ± 0.010 χ^2/NDF : 2727.0/33

Out: -0.312 ± 0.010 χ^2/NDF : 2497.7/36

All: -0.302 ± 0.007 χ^2/NDF : 5226.9/70

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



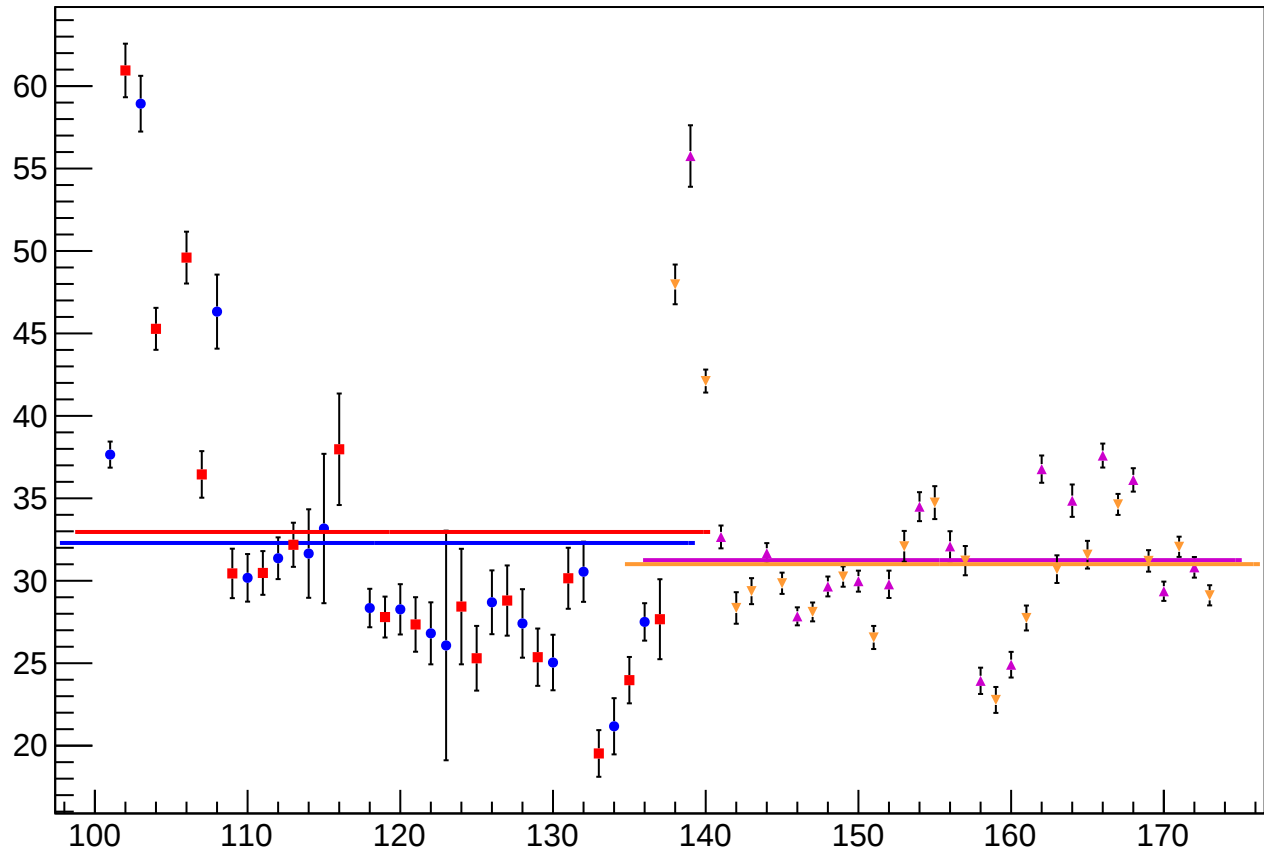
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -31.326 $\pm$ 0.231 χ^2/NDF :1741.1/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -30.597 $\pm$ 0.237 χ^2/NDF :1429.3/16

Left: -30.971 $\pm$ 0.165 χ^2/NDF : 3175.3/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -30.597 $\pm$ 0.237 χ^2/NDF :1429.3/16
 Out: -31.326 $\pm$ 0.231 χ^2/NDF :1741.1/18

All: -30.971 $\pm$ 0.165 χ^2/NDF : 3175.3/35

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.293 $\pm$ 0.373 χ^2 /NDF: 452.5/16

Left Out: 31.009 $\pm$ 0.168 χ^2 /NDF: 723.9/18

Right Out: 32.960 $\pm$ 0.380 χ^2 /NDF: 724.0/17

Left In: 31.252 $\pm$ 0.175 χ^2 /NDF: 587.4/16

Left: 31.126 $\pm$ 0.121 χ^2 /NDF: 1312.2/35

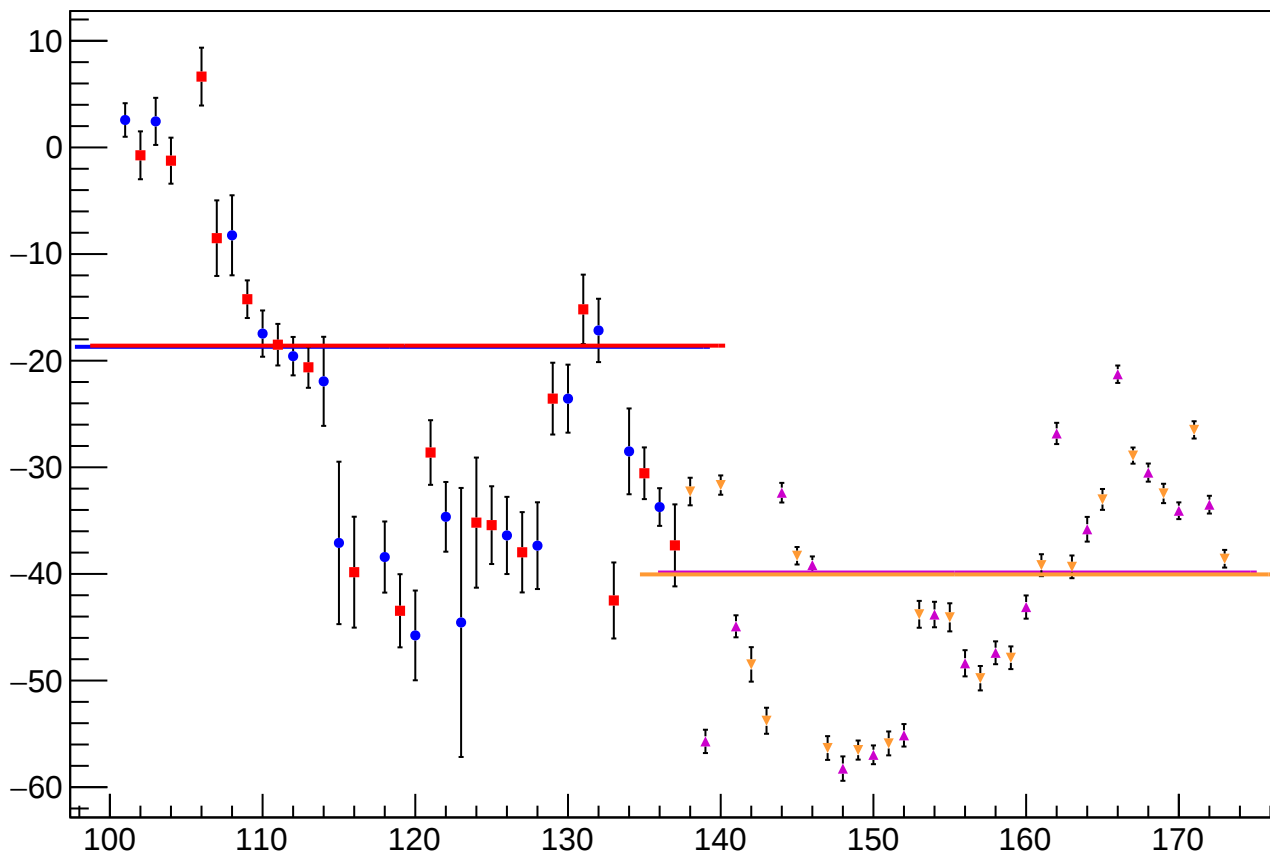
Right: 32.620 $\pm$ 0.266 χ^2 /NDF: 1178.1/34

In: 31.440 $\pm$ 0.159 χ^2 /NDF: 1046.3/33

Out: 31.329 $\pm$ 0.154 χ^2 /NDF: 1469.9/36

All: 31.383 $\pm$ 0.110 χ^2 /NDF: 2516.5/70

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.699 ± 0.667 χ^2/NDF : 519.1/16

Left Out: -40.045 ± 0.230 χ^2/NDF : 1798.6/18

Right Out: -18.590 ± 0.648 χ^2/NDF : 461.3/17

Left In: -39.869 ± 0.234 χ^2/NDF : 2199.5/16

Left: -39.959 ± 0.164 χ^2/NDF : 3998.4/35

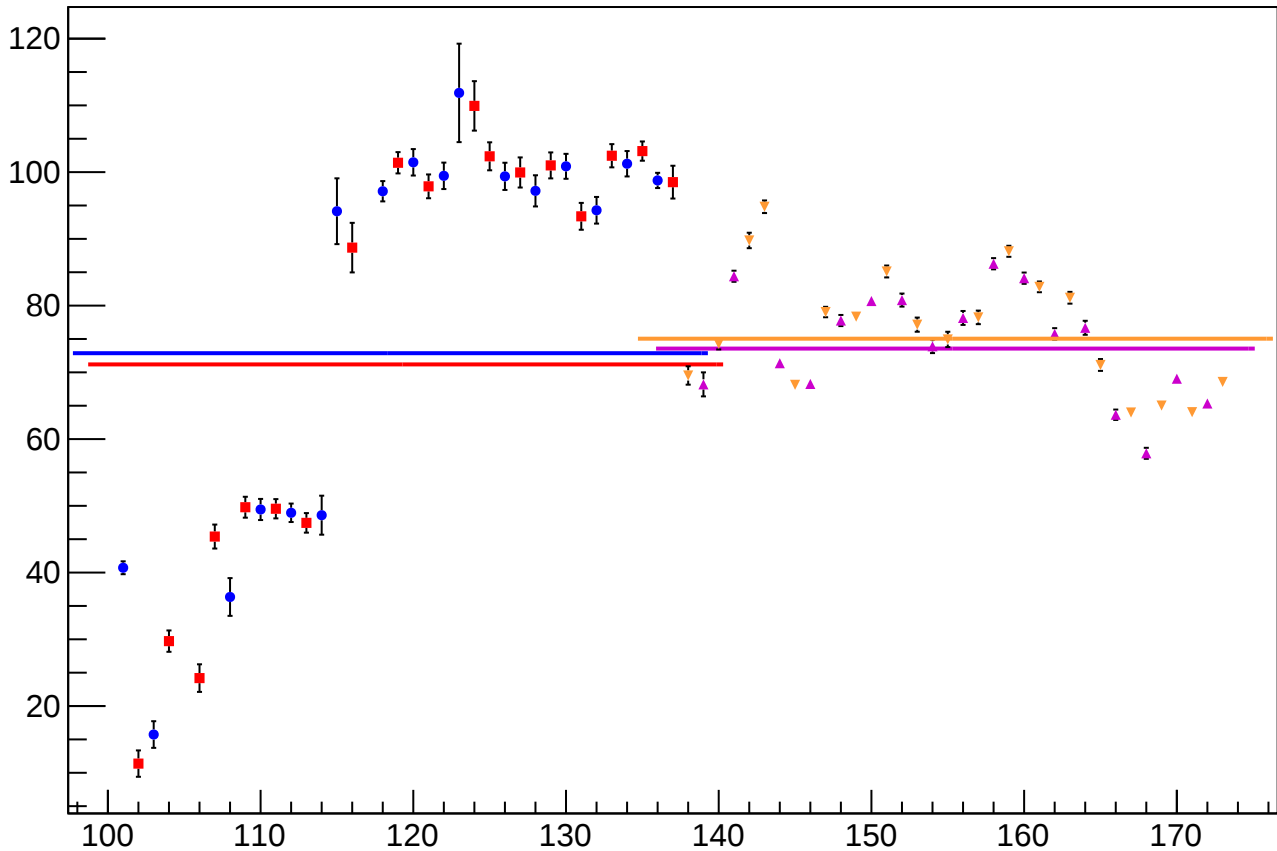
Right: -18.643 ± 0.464 χ^2/NDF : 980.4/34

In: -37.538 ± 0.221 χ^2/NDF : 3616.3/33

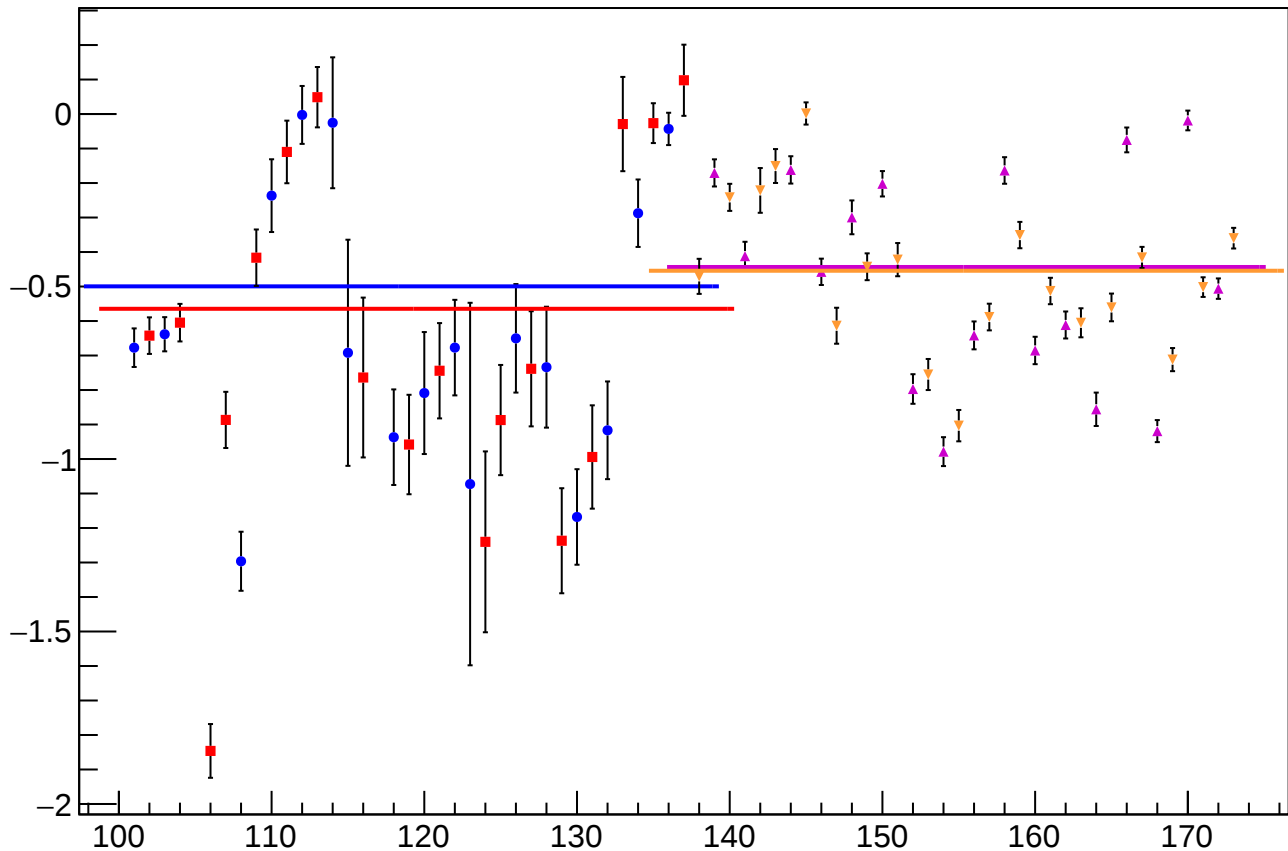
Out: -37.638 ± 0.217 χ^2/NDF : 3234.5/36

All: -37.589 ± 0.155 χ^2/NDF : 6850.9/70

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.500 ± 0.022 χ^2/NDF : 302.6/16

Left Out: -0.454 ± 0.009 χ^2/NDF : 548.3/18

Right Out: -0.565 ± 0.022 χ^2/NDF : 559.4/17

Left In: -0.443 ± 0.009 χ^2/NDF : 1138.9/16

Left: -0.449 ± 0.006 χ^2/NDF : 1687.9/35

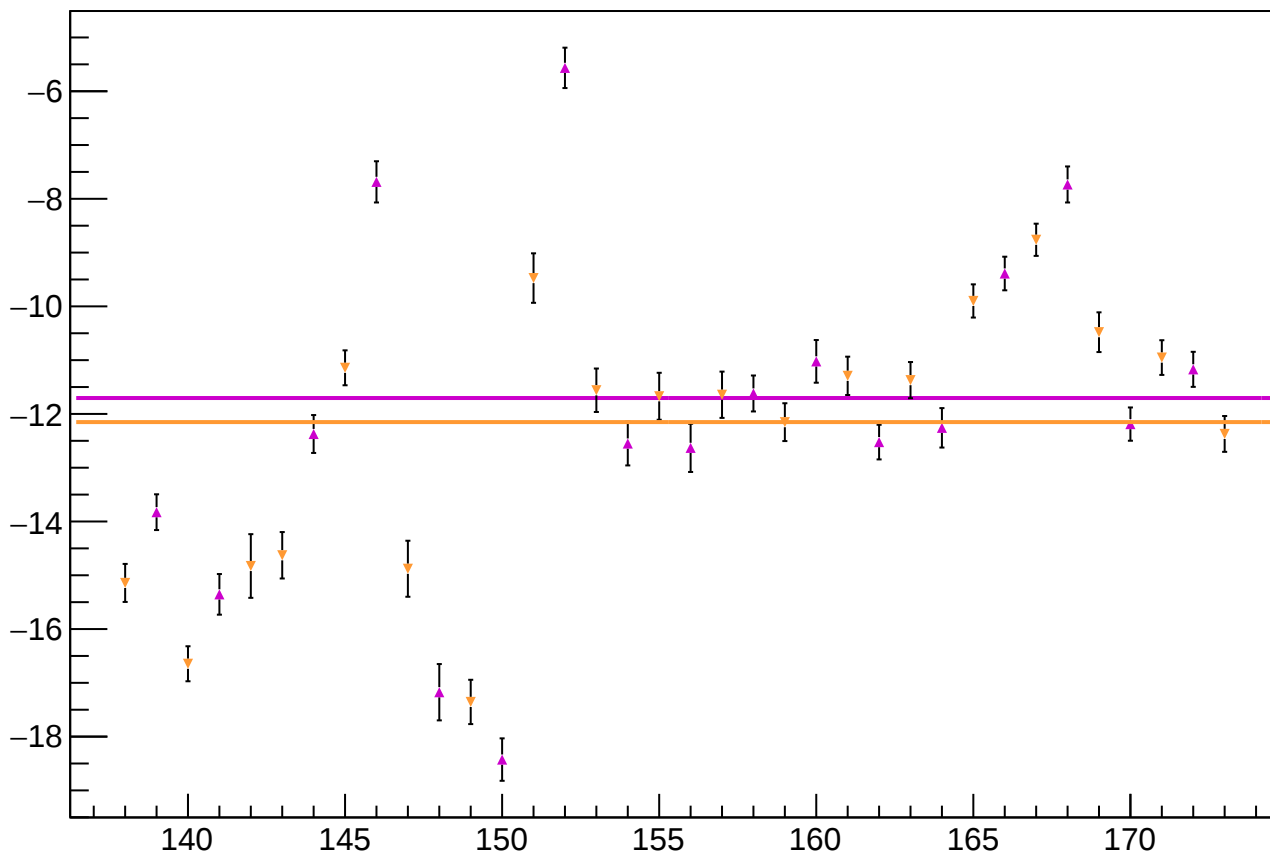
Right: -0.533 ± 0.015 χ^2/NDF : 866.4/34

In: -0.451 ± 0.008 χ^2/NDF : 1446.9/33

Out: -0.470 ± 0.008 χ^2/NDF : 1130.1/36

All: -0.461 ± 0.006 χ^2/NDF : 2579.5/70

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.152+/-0.085 χ^2/NDF :778.3/18

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

Left In: -11.704+/-0.088 χ^2/NDF :1135.3/16

Left: -11.935+/-0.061 χ^2/NDF : 1927.0/35

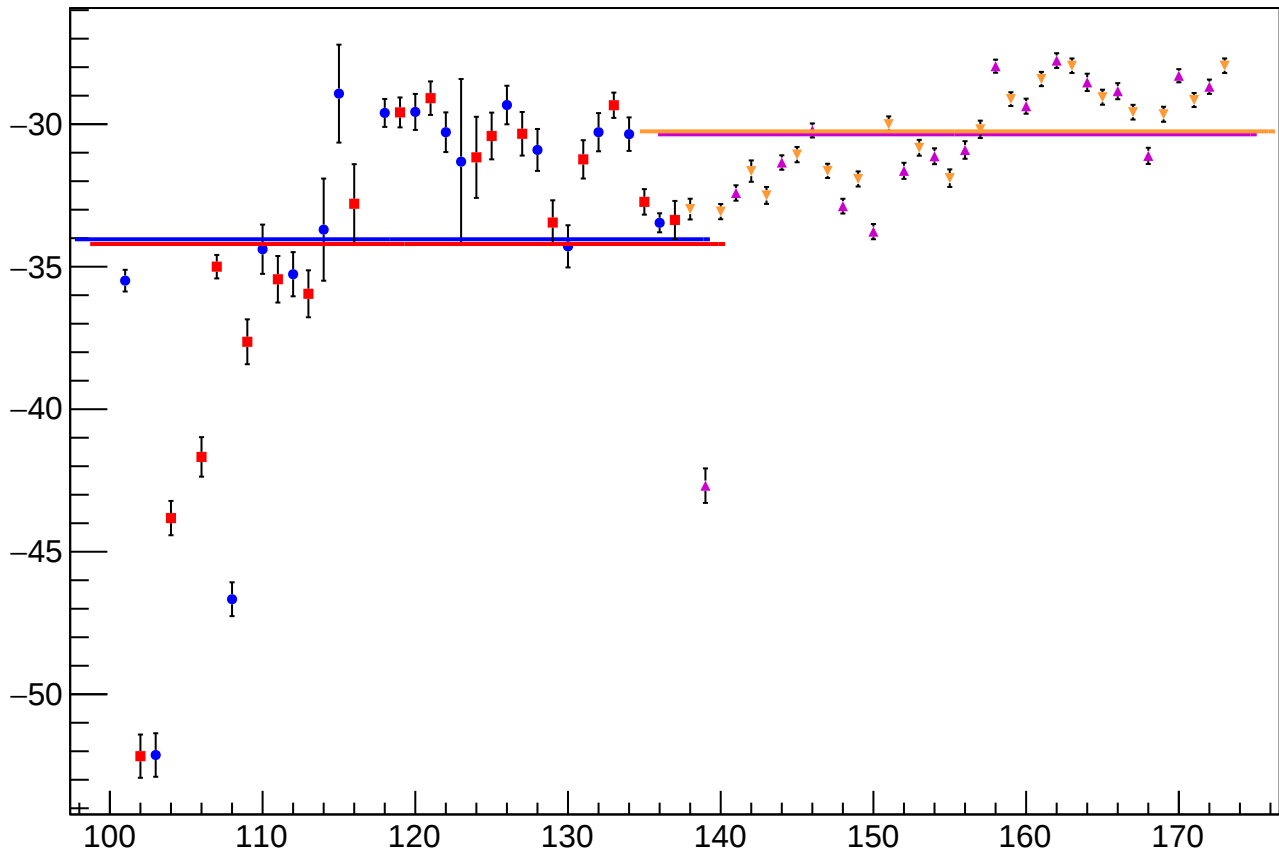
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.704+/-0.088 χ^2/NDF :1135.3/16

Out: -12.152+/-0.085 χ^2/NDF :778.3/18

All: -11.935+/-0.061 χ^2/NDF : 1927.0/35

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.038 ± 0.151 $\chi^2/\text{NDF}: 1342.9/16$

Left Out: -30.252 ± 0.063 $\chi^2/\text{NDF}: 640.5/18$

Right Out: -34.205 ± 0.151 $\chi^2/\text{NDF}: 1320.7/17$

Left In: -30.356 ± 0.066 $\chi^2/\text{NDF}: 1195.7/16$

Left: -30.302 ± 0.045 $\chi^2/\text{NDF}: 1837.5/35$

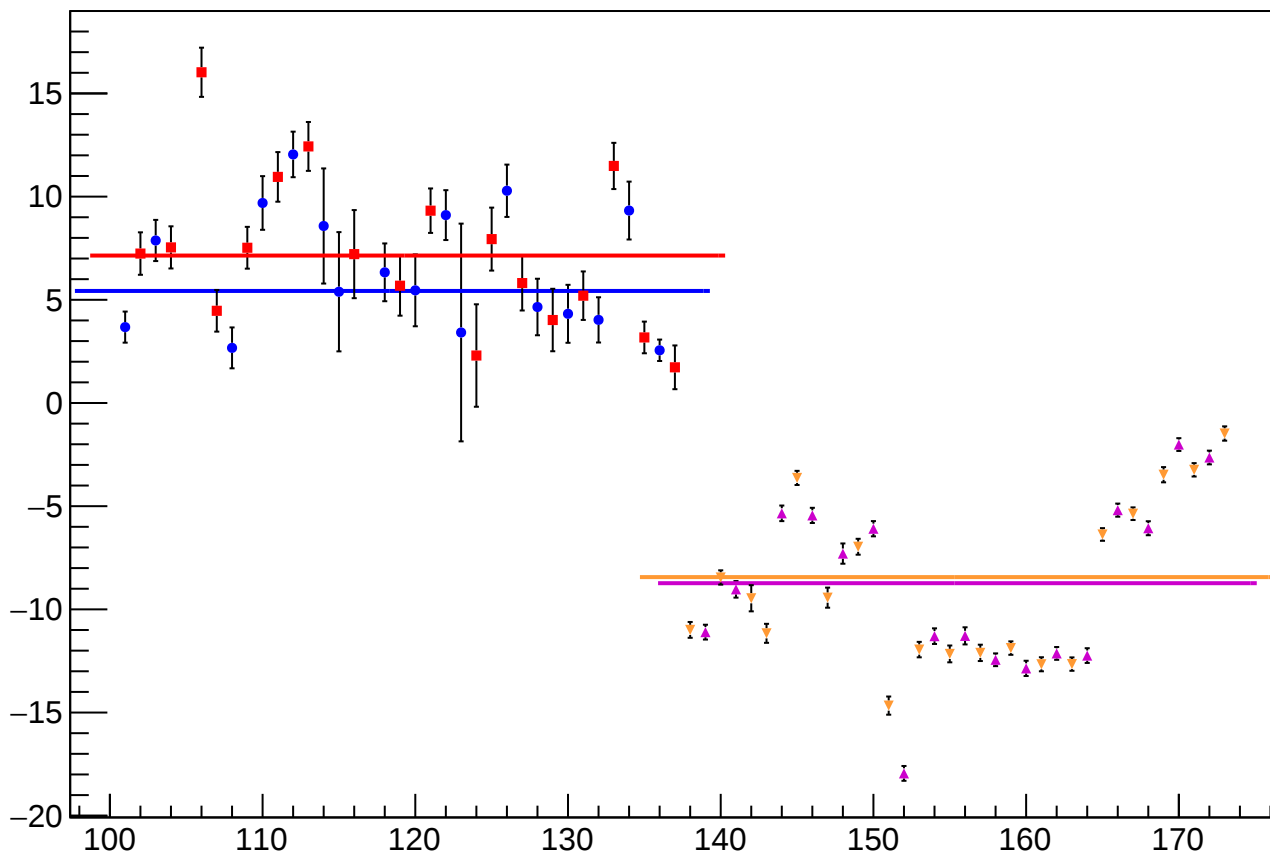
Right: -34.121 ± 0.107 $\chi^2/\text{NDF}: 2664.3/34$

In: -30.942 ± 0.060 $\chi^2/\text{NDF}: 3039.3/33$

Out: -30.833 ± 0.058 $\chi^2/\text{NDF}: 2547.2/36$

All: -30.886 ± 0.042 $\chi^2/\text{NDF}: 5588.2/70$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.429 ± 0.270 χ^2/NDF : 132.6/16

Left Out: -8.437 ± 0.084 χ^2/NDF : 2173.8/18

Right Out: 7.144 ± 0.275 χ^2/NDF : 177.9/17

Left In: -8.732 ± 0.086 χ^2/NDF : 2483.5/16

Left: -8.581 ± 0.060 χ^2/NDF : 4663.3/35

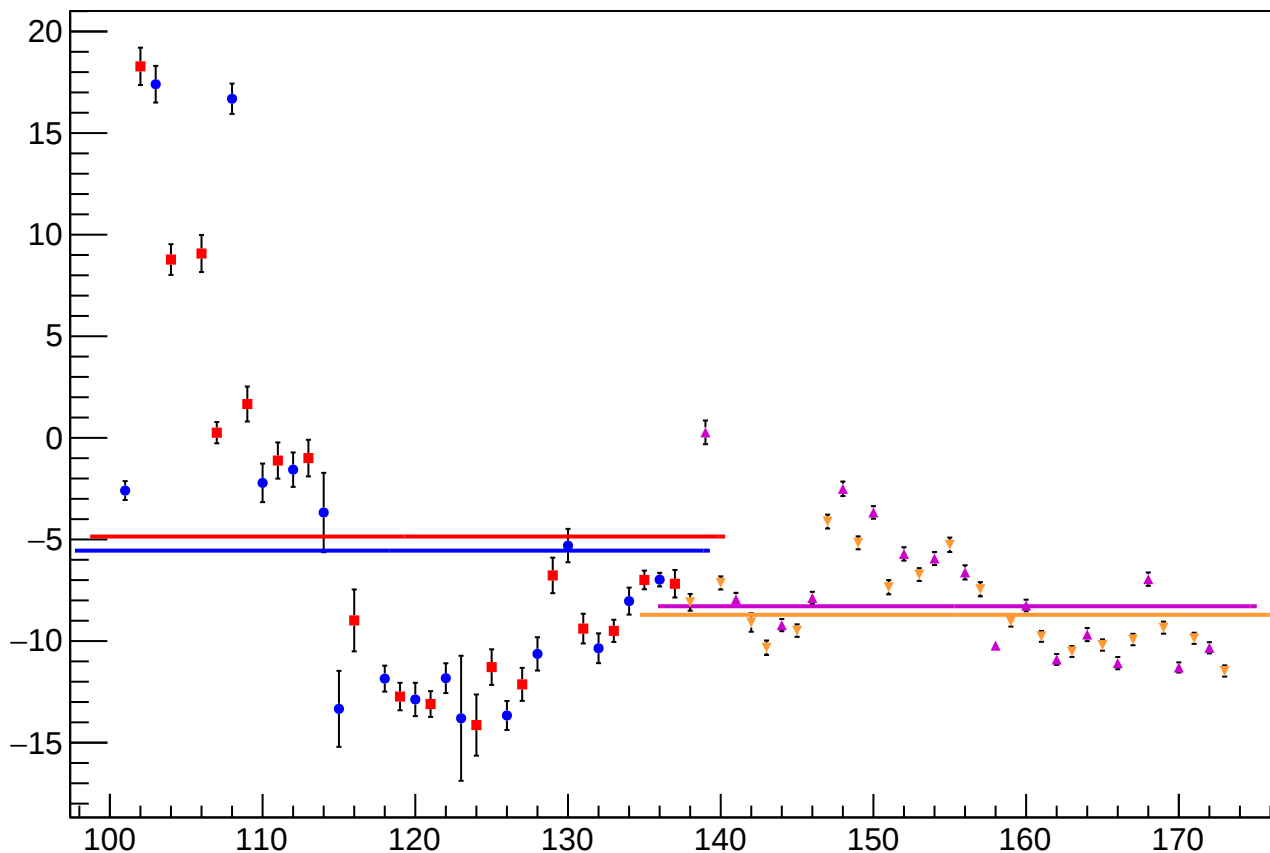
Right: 6.271 ± 0.193 χ^2/NDF : 330.3/34

In: -7.420 ± 0.082 χ^2/NDF : 5114.1/33

Out: -7.095 ± 0.081 χ^2/NDF : 5286.9/36

All: -7.255 ± 0.058 χ^2/NDF : 10408.9/70

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.550 ± 0.170 χ^2/NDF : 2126.6/16

Left Out: -8.708 ± 0.071 χ^2/NDF : 749.9/18

Right Out: -4.854 ± 0.173 χ^2/NDF : 2013.1/17

Left In: -8.287 ± 0.074 χ^2/NDF : 1326.5/16

Left: -8.507 ± 0.051 χ^2/NDF : 2093.2/35

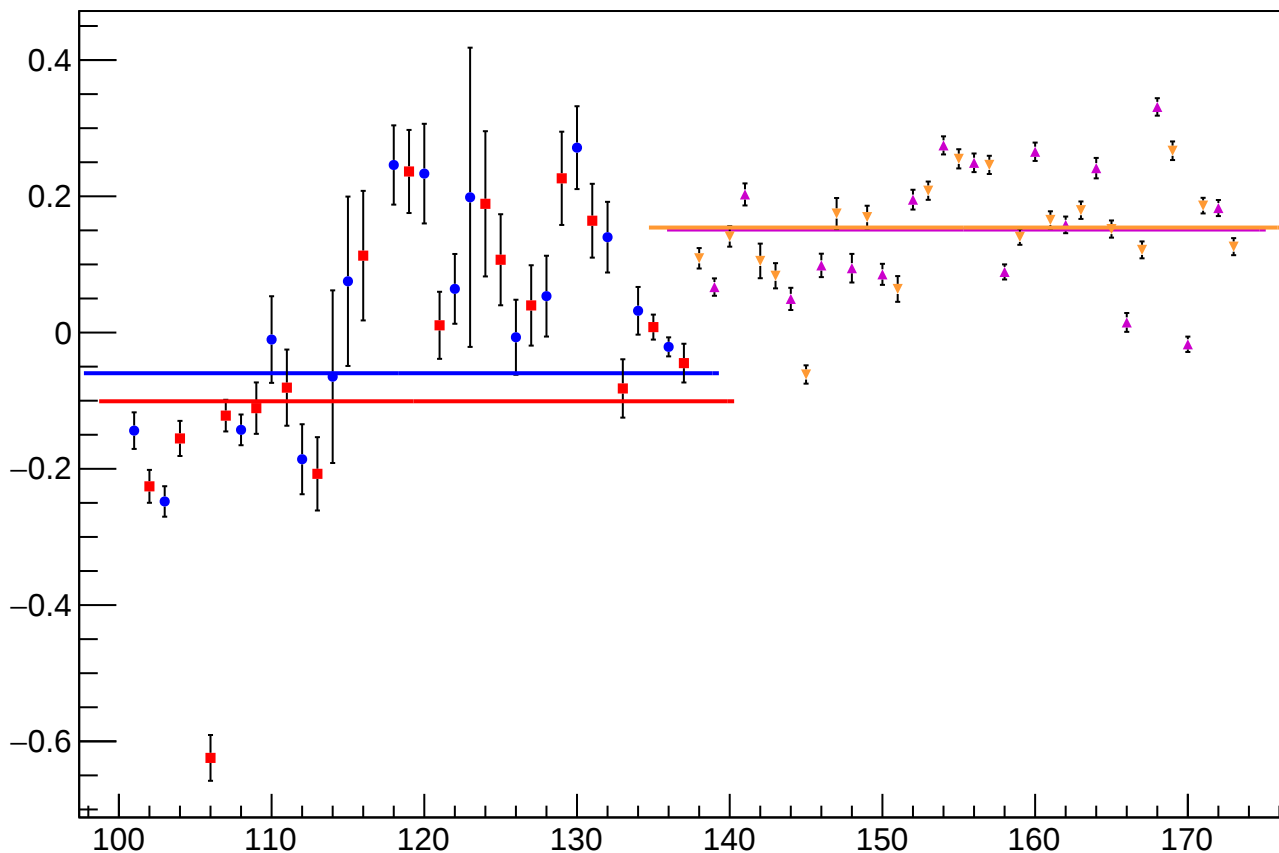
Right: -5.208 ± 0.121 χ^2/NDF : 4147.9/34

In: -7.849 ± 0.068 χ^2/NDF : 3670.6/33

Out: -8.151 ± 0.066 χ^2/NDF : 3188.3/36

All: -8.005 ± 0.047 χ^2/NDF : 6869.1/70

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 216.6/16

Left Out: 0.154 ± 0.003 χ^2/NDF : 519.0/18

Right Out: -0.101 ± 0.008 χ^2/NDF : 428.4/17

Left In: 0.151 ± 0.003 χ^2/NDF : 939.1/16

Left: 0.153 ± 0.002 χ^2/NDF : 1458.5/35

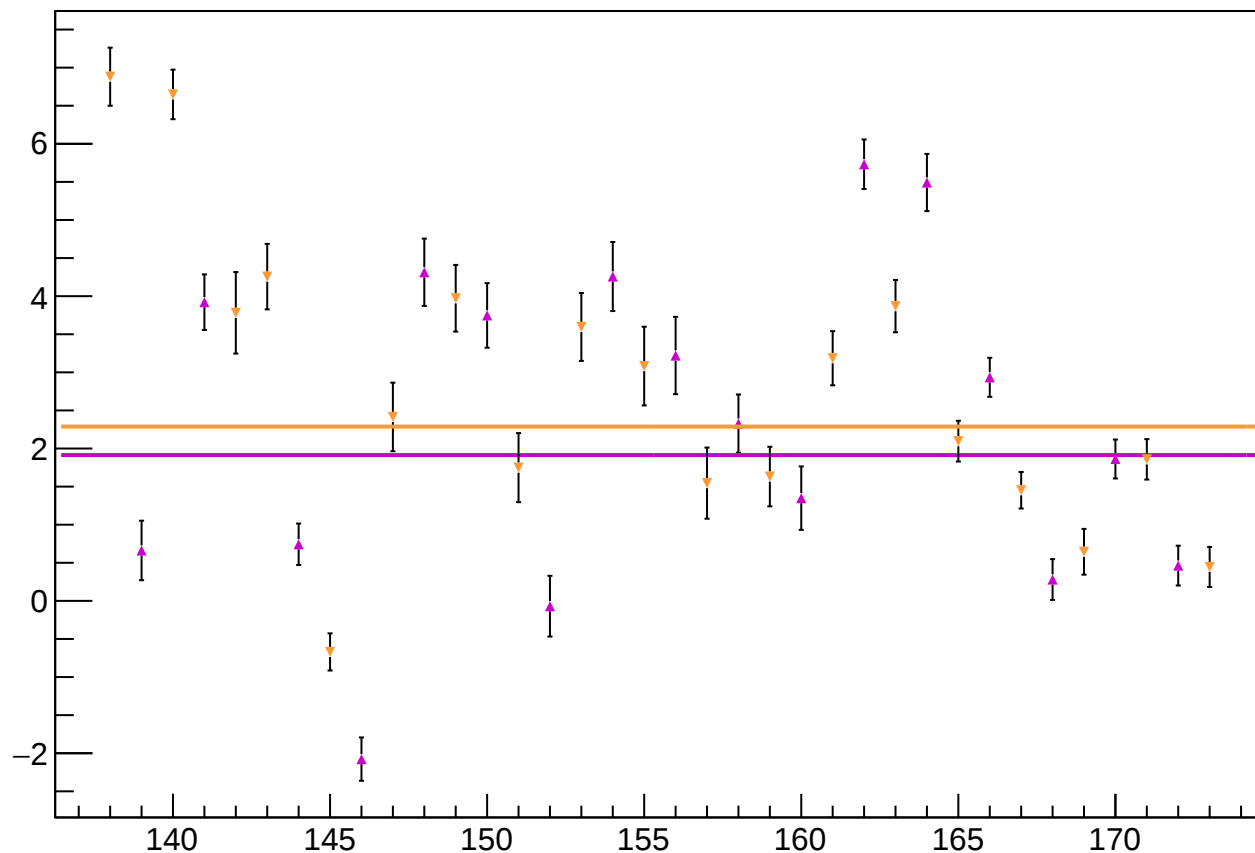
Right: -0.080 ± 0.006 χ^2/NDF : 656.9/34

In: 0.123 ± 0.003 χ^2/NDF : 1701.2/33

Out: 0.121 ± 0.003 χ^2/NDF : 1742.5/36

All: 0.122 ± 0.002 χ^2/NDF : 3443.8/70

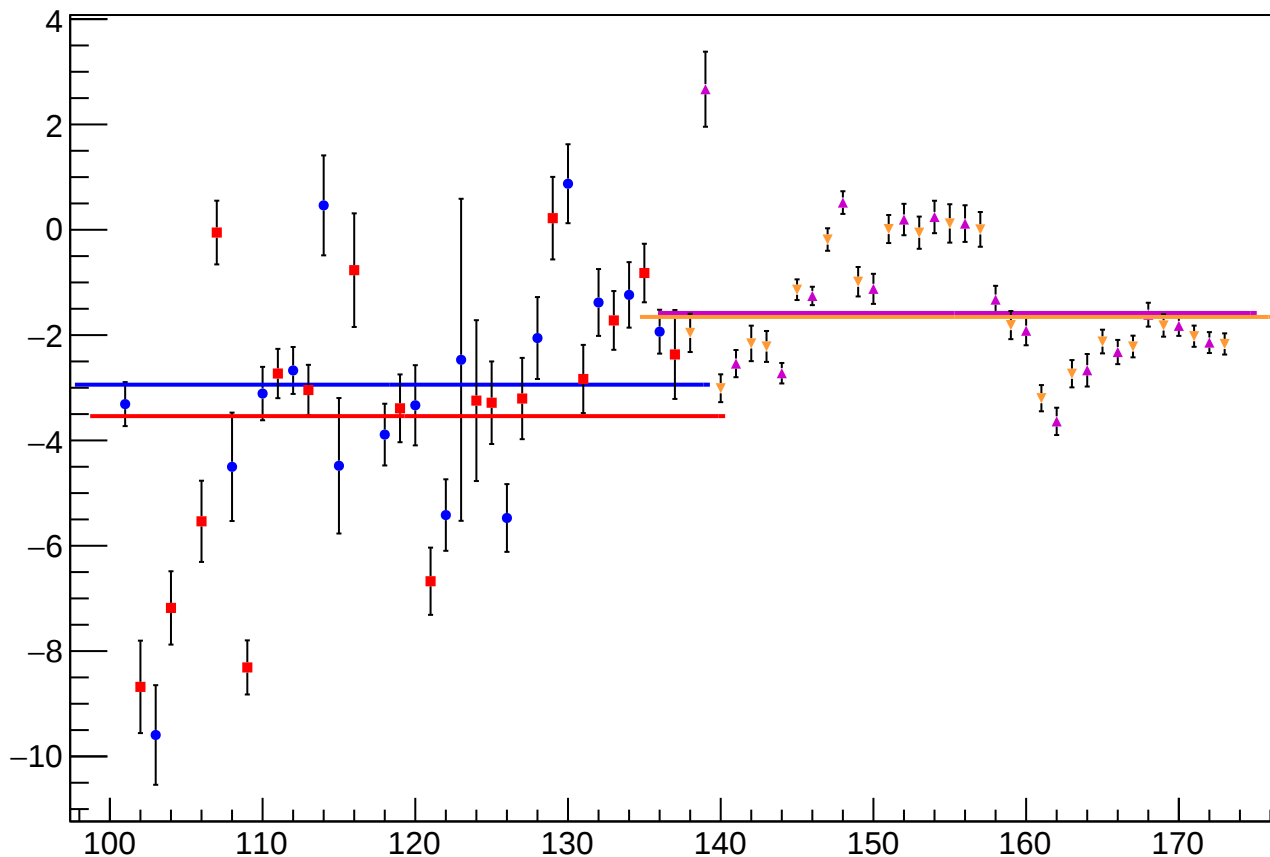
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.288 $\pm$ 0.078 χ^2 /NDF:655.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.914 $\pm$ 0.081 χ^2 /NDF:677.8/16

Left: 2.107 $\pm$ 0.056 χ^2 /NDF: 1344.4/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.914 $\pm$ 0.081 χ^2 /NDF:677.8/16
 Out: 2.288 $\pm$ 0.078 χ^2 /NDF:655.5/18
 All: 2.107 $\pm$ 0.056 χ^2 /NDF: 1344.4/35

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.941 ± 0.154 χ^2/NDF : 145.6/16

Left Out: -1.655 ± 0.057 χ^2/NDF : 286.7/18

Right Out: -3.538 ± 0.155 χ^2/NDF : 283.6/17

Left In: -1.580 ± 0.059 χ^2/NDF : 376.9/16

Left: -1.619 ± 0.041 χ^2/NDF : 664.5/35

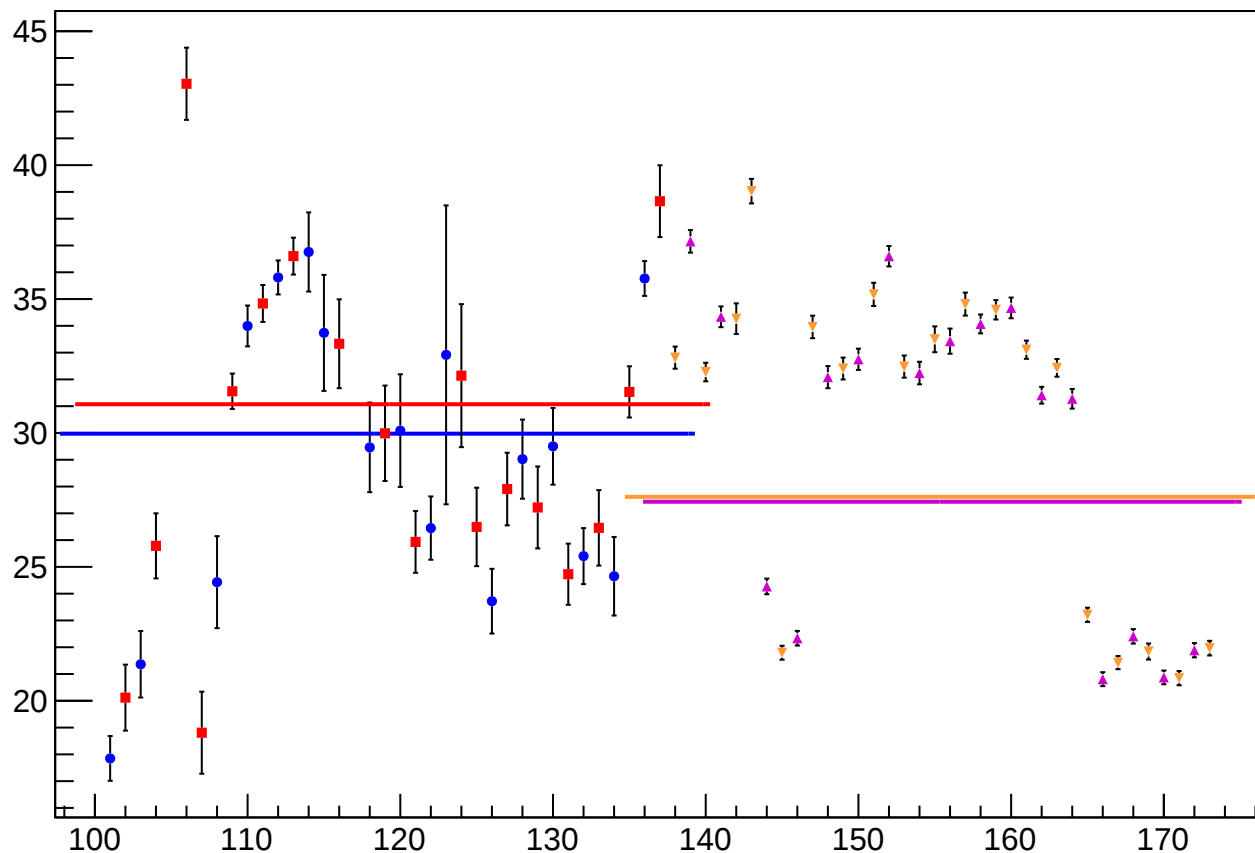
Right: -3.239 ± 0.109 χ^2/NDF : 436.6/34

In: -1.755 ± 0.055 χ^2/NDF : 590.4/33

Out: -1.883 ± 0.054 χ^2/NDF : 700.7/36

All: -1.821 ± 0.039 χ^2/NDF : 1293.8/70

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.974 $\pm$ 0.267 χ^2 /NDF: 553.9/16

Left Out: 27.617 $\pm$ 0.078 χ^2 /NDF: 6024.3/18

Right Out: 31.073 $\pm$ 0.260 χ^2 /NDF: 453.4/17

Left In: 27.433 $\pm$ 0.080 χ^2 /NDF: 5542.9/16

Left: 27.527 $\pm$ 0.056 χ^2 /NDF: 11570.0/35

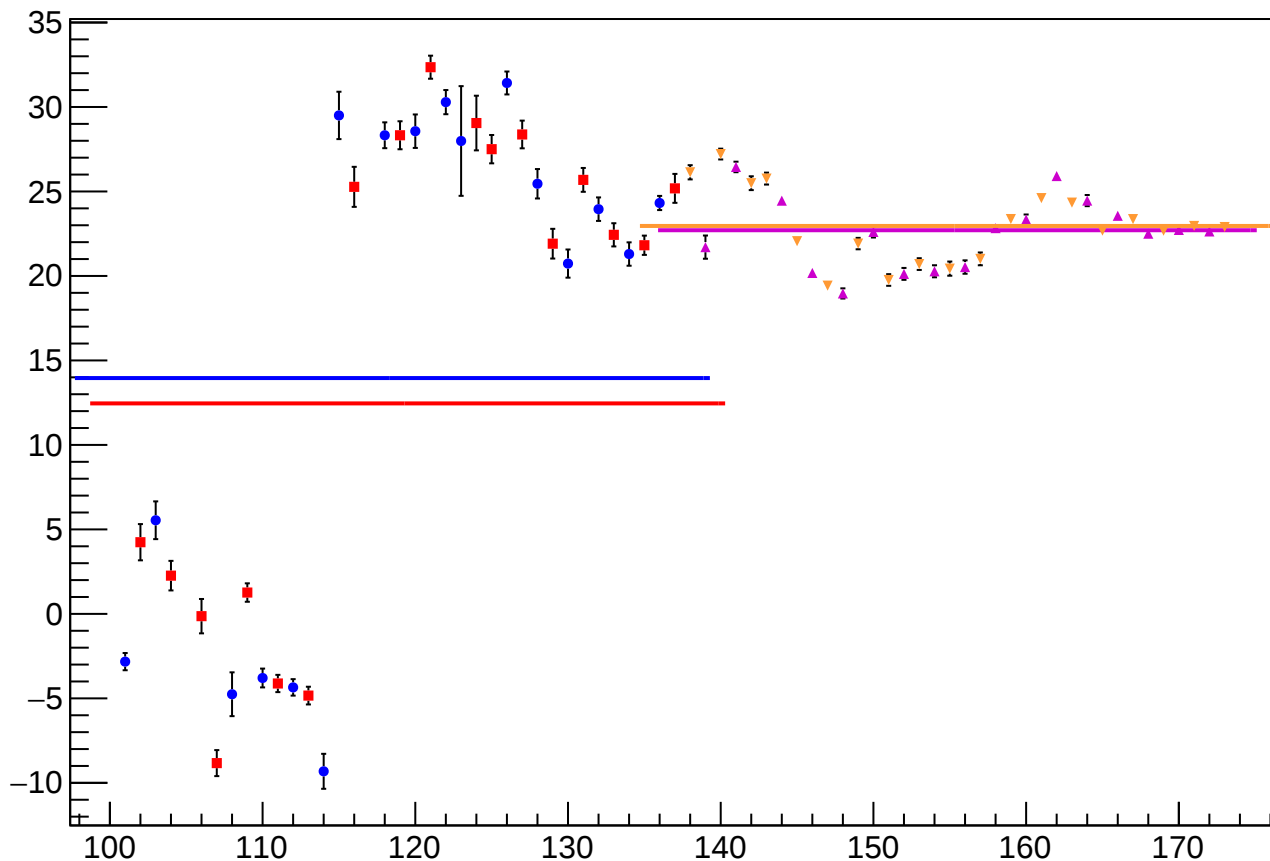
Right: 30.537 $\pm$ 0.187 χ^2 /NDF: 1016.0/34

In: 27.642 $\pm$ 0.077 χ^2 /NDF: 6179.8/33

Out: 27.902 $\pm$ 0.075 χ^2 /NDF: 6639.3/36

All: 27.775 $\pm$ 0.054 χ^2 /NDF: 12825.0/70

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.957 $\pm$ 0.172 χ^2 /NDF: 7348.7/16

Left Out: 22.959 $\pm$ 0.065 χ^2 /NDF: 767.6/18

Right Out: 12.457 $\pm$ 0.174 χ^2 /NDF: 6979.9/17

Left In: 22.706 $\pm$ 0.068 χ^2 /NDF: 807.8/16

Left: 22.838 $\pm$ 0.047 χ^2 /NDF: 1582.6/35

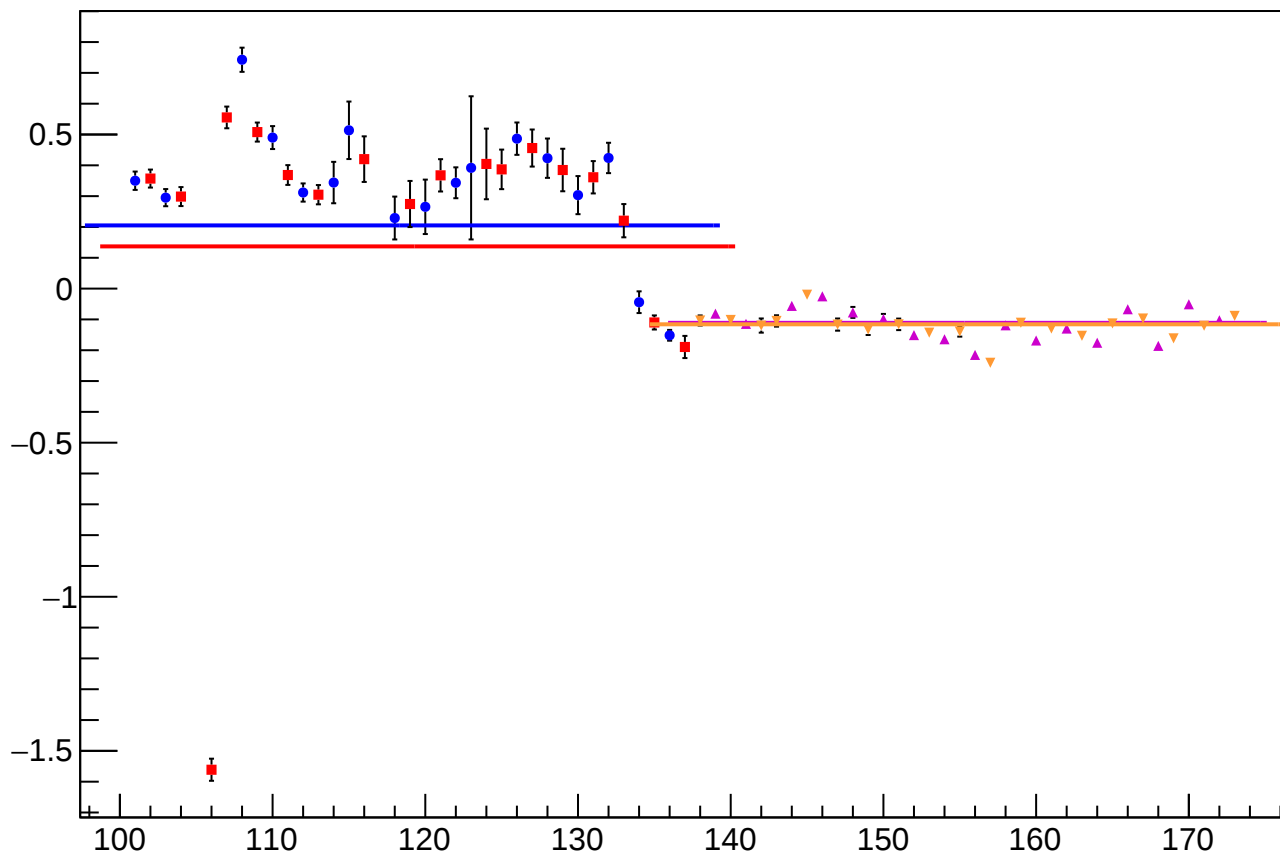
Right: 13.213 $\pm$ 0.122 χ^2 /NDF: 14366.2/34

In: 21.529 $\pm$ 0.063 χ^2 /NDF: 10387.8/33

Out: 21.660 $\pm$ 0.061 χ^2 /NDF: 10949.5/36

All: 21.597 $\pm$ 0.044 χ^2 /NDF: 21339.5/70

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 846.7/16

Left Out: -0.116 ± 0.003 χ^2/NDF : 209.1/18

Right Out: 0.137 ± 0.009 χ^2/NDF : 3007.9/17

Left In: -0.111 ± 0.003 χ^2/NDF : 285.5/16

Left: -0.114 ± 0.002 χ^2/NDF : 495.8/35

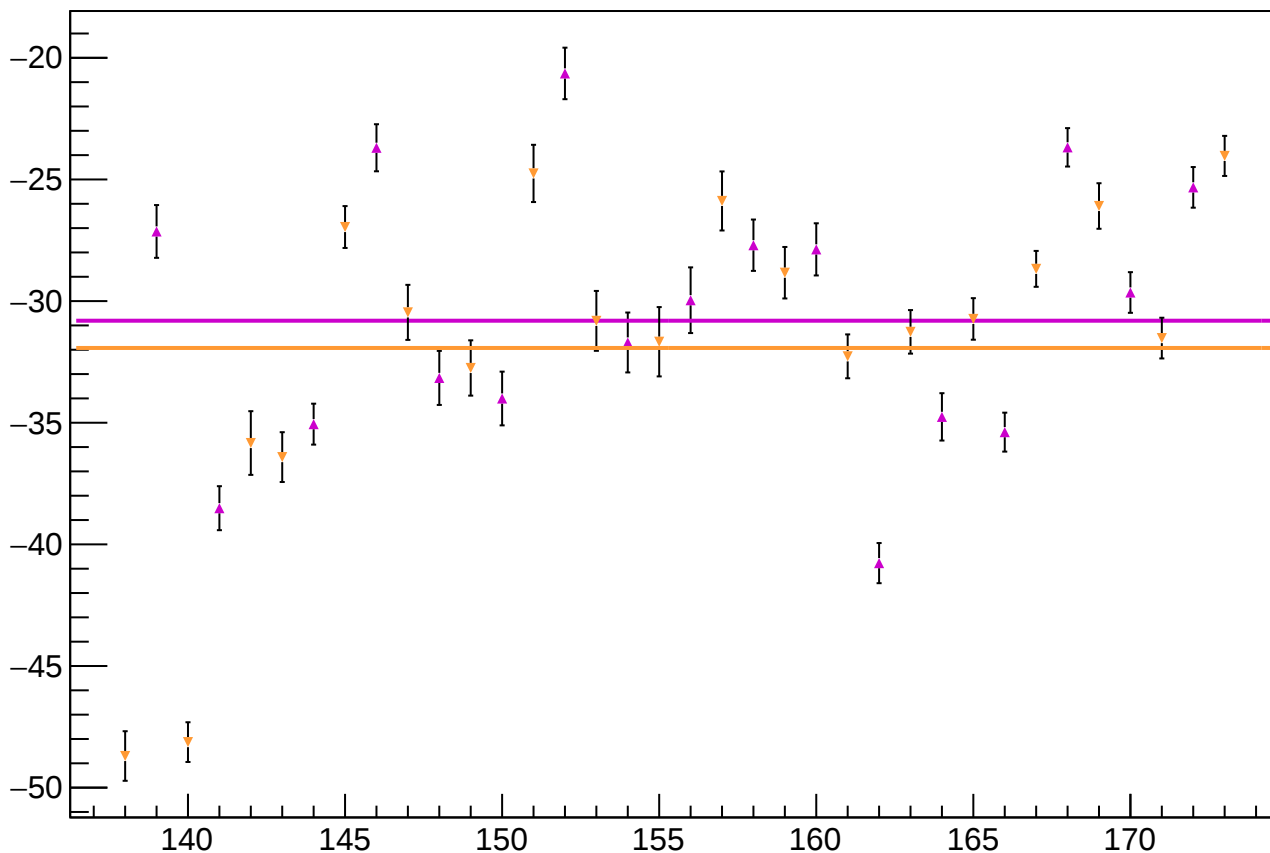
Right: 0.170 ± 0.007 χ^2/NDF : 3881.4/34

In: -0.080 ± 0.003 χ^2/NDF : 2156.6/33

Out: -0.091 ± 0.003 χ^2/NDF : 3896.9/36

All: -0.086 ± 0.002 χ^2/NDF : 6061.9/70

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: -31.926+/-0.223 χ^2/NDF : 952.6/18

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

Left In: -30.806+/-0.232 χ^2/NDF : 607.1/16

Left: -31.388+/-0.161 χ^2/NDF : 1571.8/35

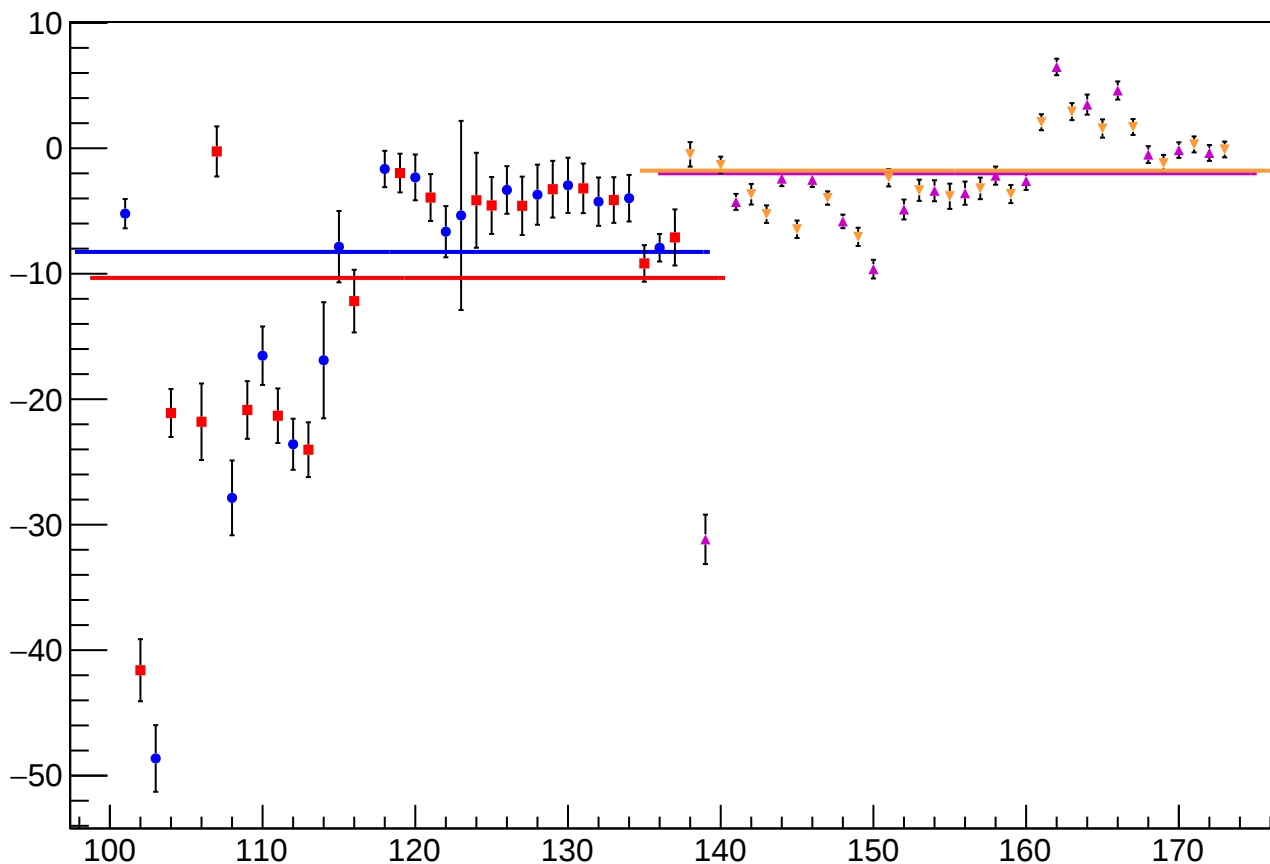
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.806+/-0.232 χ^2/NDF : 607.1/16

Out: -31.926+/-0.223 χ^2/NDF : 952.6/18

All: -31.388+/-0.161 χ^2/NDF : 1571.8/35

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.261 ± 0.463 $\chi^2/\text{NDF}: 411.9/16$

Left Out: -1.785 ± 0.162 $\chi^2/\text{NDF}: 319.3/18$

Right Out: -10.334 ± 0.491 $\chi^2/\text{NDF}: 410.9/17$

Left In: -1.994 ± 0.169 $\chi^2/\text{NDF}: 724.8/16$

Left: -1.885 ± 0.117 $\chi^2/\text{NDF}: 1044.9/35$

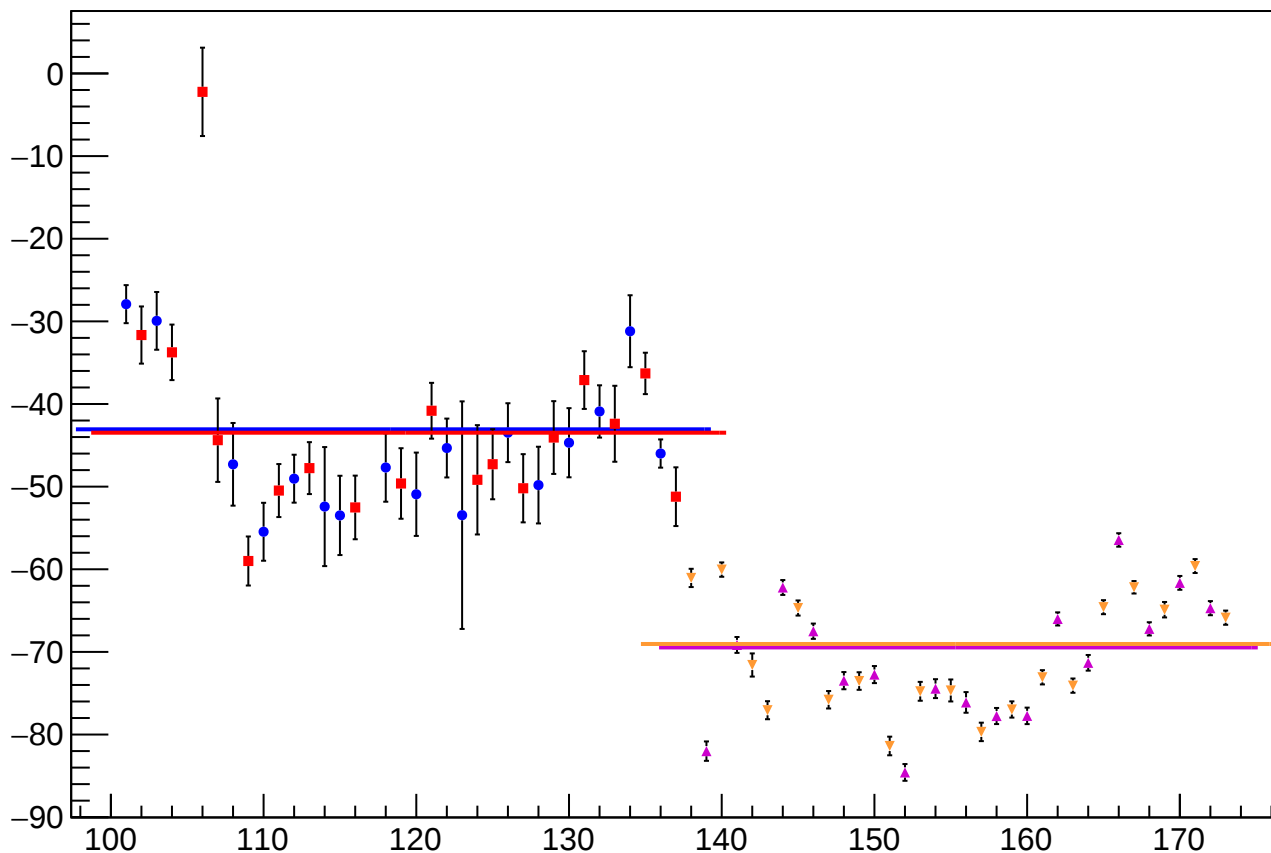
Right: -9.235 ± 0.337 $\chi^2/\text{NDF}: 832.3/34$

In: -2.733 ± 0.159 $\chi^2/\text{NDF}: 1298.6/33$

Out: -2.620 ± 0.153 $\chi^2/\text{NDF}: 1003.6/36$

All: -2.674 ± 0.110 $\chi^2/\text{NDF}: 2302.4/70$

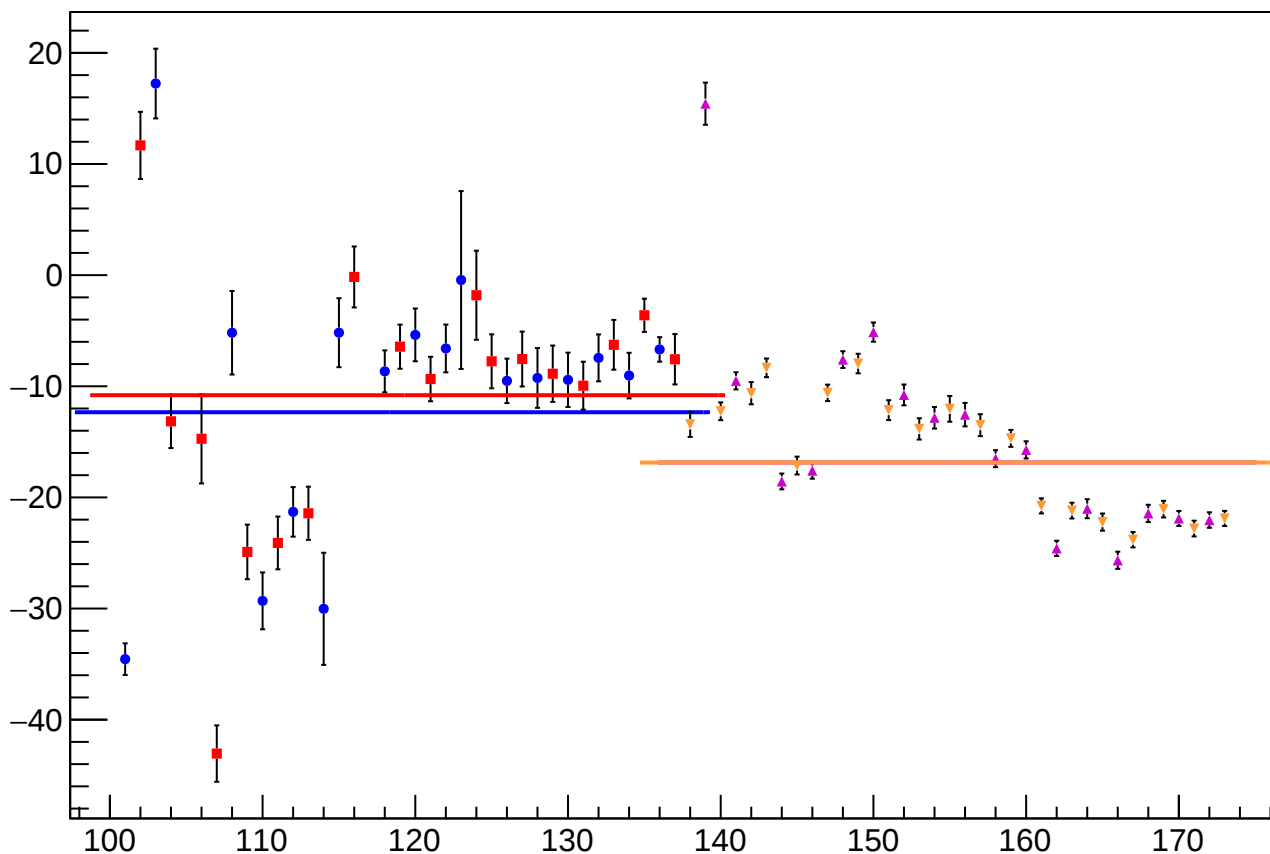
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.064 ± 0.835 $\chi^2/\text{NDF}: 99.0/16$
 Left Out: -69.040 ± 0.223 $\chi^2/\text{NDF}: 941.8/18$
 Right Out: -43.473 ± 0.869 $\chi^2/\text{NDF}: 142.3/17$
 Left In: -69.459 ± 0.229 $\chi^2/\text{NDF}: 1024.4/16$

Left: -69.244 ± 0.160 $\chi^2/\text{NDF}: 1967.9/35$
 Right: -43.261 ± 0.602 $\chi^2/\text{NDF}: 241.5/34$
 In: -67.614 ± 0.221 $\chi^2/\text{NDF}: 2052.1/33$
 Out: -67.464 ± 0.216 $\chi^2/\text{NDF}: 1896.8/36$
 All: -67.537 ± 0.154 $\chi^2/\text{NDF}: 3949.2/70$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.336 $\pm$ 0.520 χ^2 /NDF: 475.2/16

Left Out: -16.862 $\pm$ 0.185 χ^2 /NDF: 808.3/18

Right Out: -10.804 $\pm$ 0.554 χ^2 /NDF: 361.4/17

Left In: -16.859 $\pm$ 0.194 χ^2 /NDF: 1224.7/16

Left: -16.861 $\pm$ 0.134 χ^2 /NDF: 2033.0/35

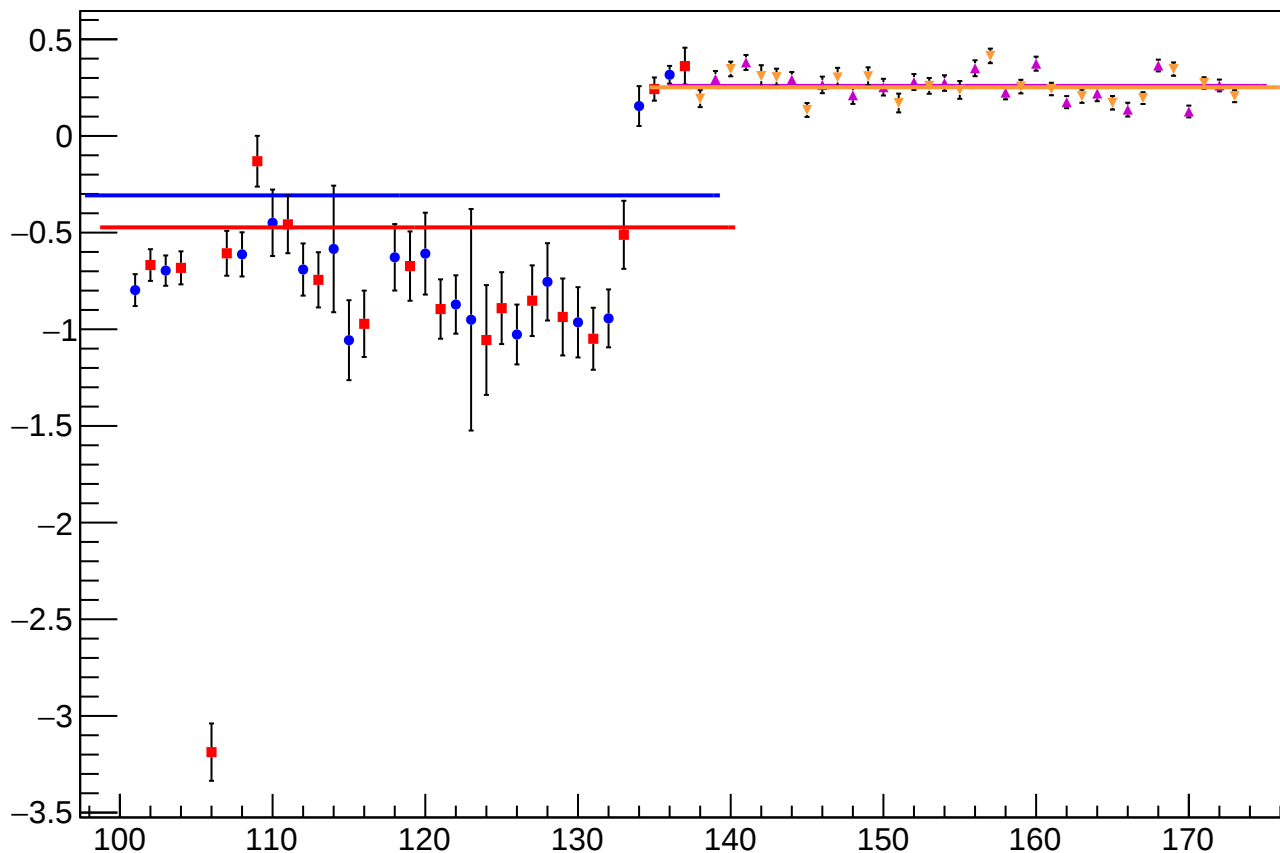
Right: -11.618 $\pm$ 0.379 χ^2 /NDF: 840.6/34

In: -16.305 $\pm$ 0.182 χ^2 /NDF: 1766.1/33

Out: -16.252 $\pm$ 0.176 χ^2 /NDF: 1277.3/36

All: -16.277 $\pm$ 0.126 χ^2 /NDF: 3043.5/70

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.307 ± 0.028 χ^2/NDF : 372.2/16

Left Out: 0.252 ± 0.009 χ^2/NDF : 65.9/18

Right Out: -0.473 ± 0.029 χ^2/NDF : 626.5/17

Left In: 0.259 ± 0.009 χ^2/NDF : 79.3/16

Left: 0.255 ± 0.006 χ^2/NDF : 145.5/35

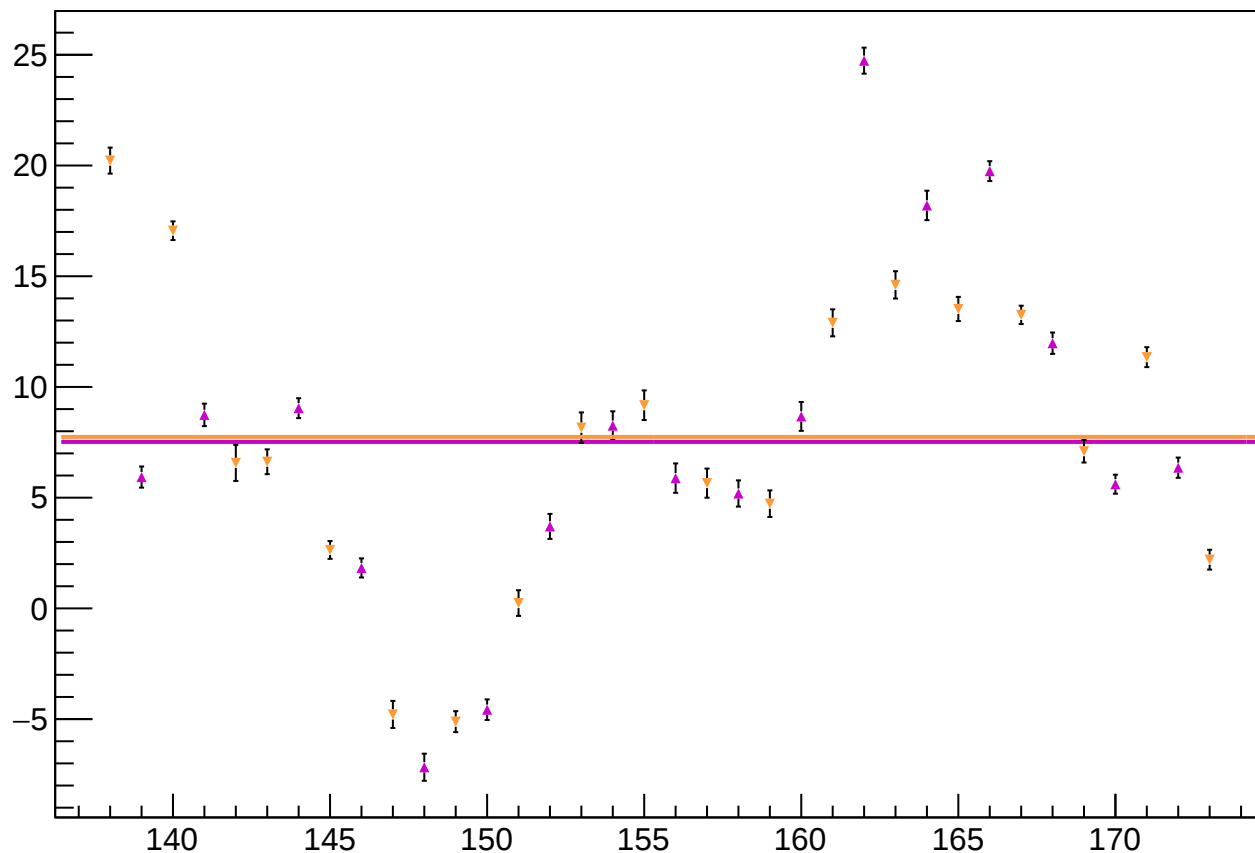
Right: -0.387 ± 0.020 χ^2/NDF : 1016.1/34

In: 0.205 ± 0.009 χ^2/NDF : 834.0/33

Out: 0.191 ± 0.008 χ^2/NDF : 1280.1/36

All: 0.198 ± 0.006 χ^2/NDF : 2115.4/70

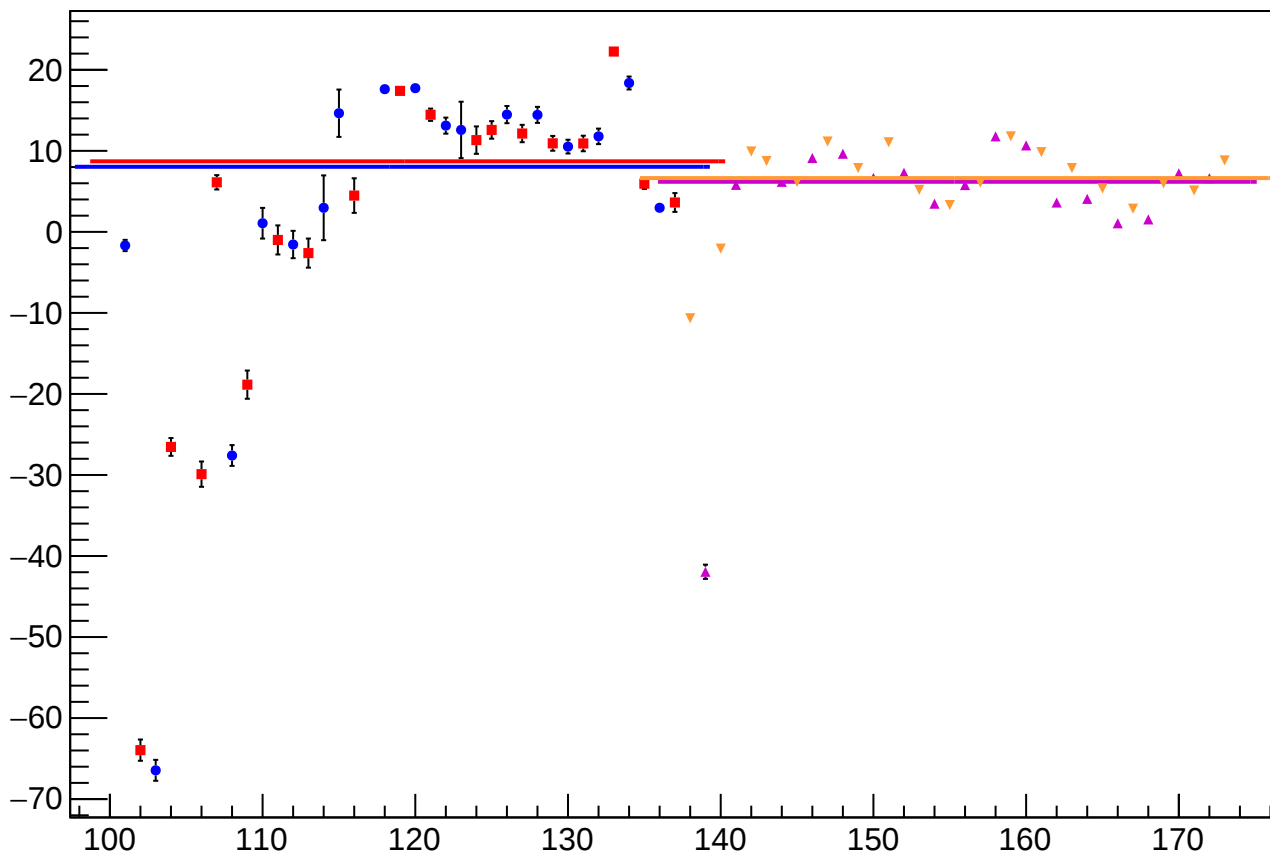
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.745+/-0.122 χ^2/NDF :3170.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.518+/-0.125 χ^2/NDF :3497.7/16

Left: 7.635+/-0.087 χ^2/NDF : 6669.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.518+/-0.125 χ^2/NDF :3497.7/16
 Out: 7.745+/-0.122 χ^2/NDF :3170.0/18
 All: 7.635+/-0.087 χ^2/NDF : 6669.4/35

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.035 ± 0.215 χ^2/NDF : 5370.3/16

Left Out: 6.638 ± 0.089 χ^2/NDF : 2411.2/18

Right Out: 8.708 ± 0.213 χ^2/NDF : 6290.2/17

Left In: 6.185 ± 0.092 χ^2/NDF : 3927.7/16

Left: 6.421 ± 0.064 χ^2/NDF : 6351.4/35

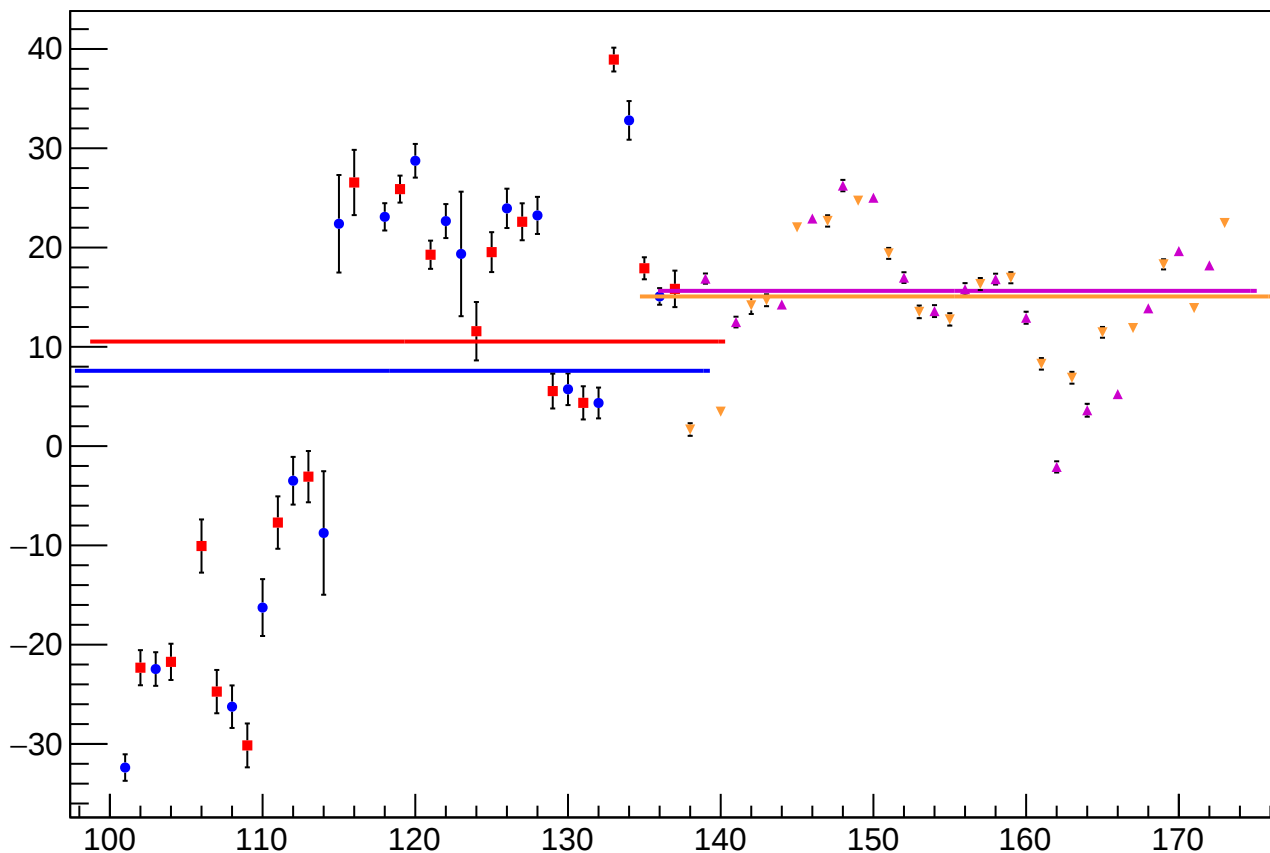
Right: 8.375 ± 0.151 χ^2/NDF : 11665.4/34

In: 6.472 ± 0.085 χ^2/NDF : 9360.4/33

Out: 6.942 ± 0.082 χ^2/NDF : 8781.8/36

All: 6.716 ± 0.059 χ^2/NDF : 18158.1/70

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.585 ± 0.416 χ^2/NDF : 2322.7/16

Left Out: 15.072 ± 0.122 χ^2/NDF : 2850.0/18

Right Out: 10.532 ± 0.418 χ^2/NDF : 2279.5/17

Left In: 15.638 ± 0.124 χ^2/NDF : 3181.4/16

Left: 15.350 ± 0.087 χ^2/NDF : 6042.0/35

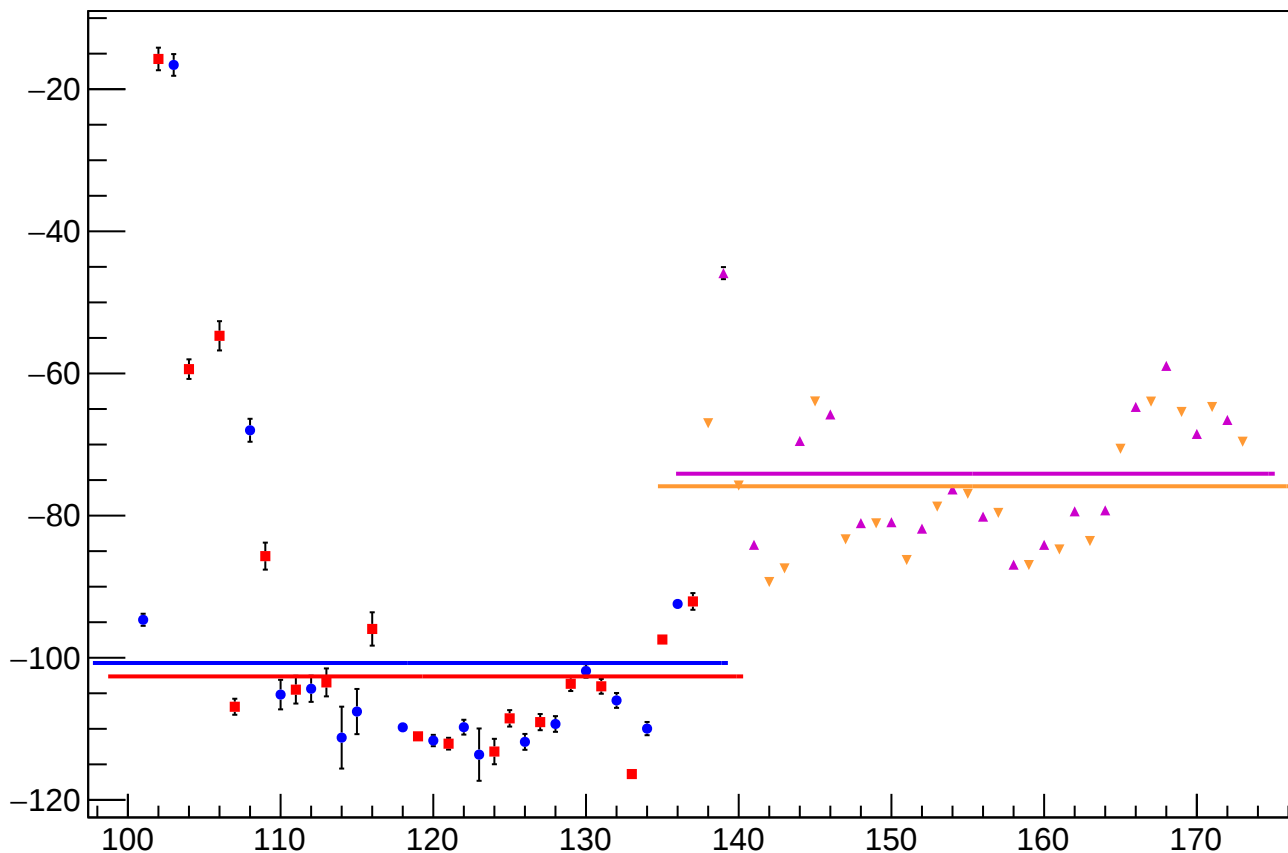
Right: 9.054 ± 0.295 χ^2/NDF : 4627.2/34

In: 14.982 ± 0.119 χ^2/NDF : 5847.9/33

Out: 14.716 ± 0.117 χ^2/NDF : 5238.4/36

All: 14.847 ± 0.083 χ^2/NDF : 11088.8/70

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.736 ± 0.248 $\chi^2/\text{NDF}: 4520.6/16$

Left Out: -75.871 ± 0.102 $\chi^2/\text{NDF}: 7549.0/18$

Right Out: -102.625 ± 0.246 $\chi^2/\text{NDF}: 5716.3/17$

Left In: -74.105 ± 0.106 $\chi^2/\text{NDF}: 7054.4/16$

Left: -75.024 ± 0.074 $\chi^2/\text{NDF}: 14747.1/35$

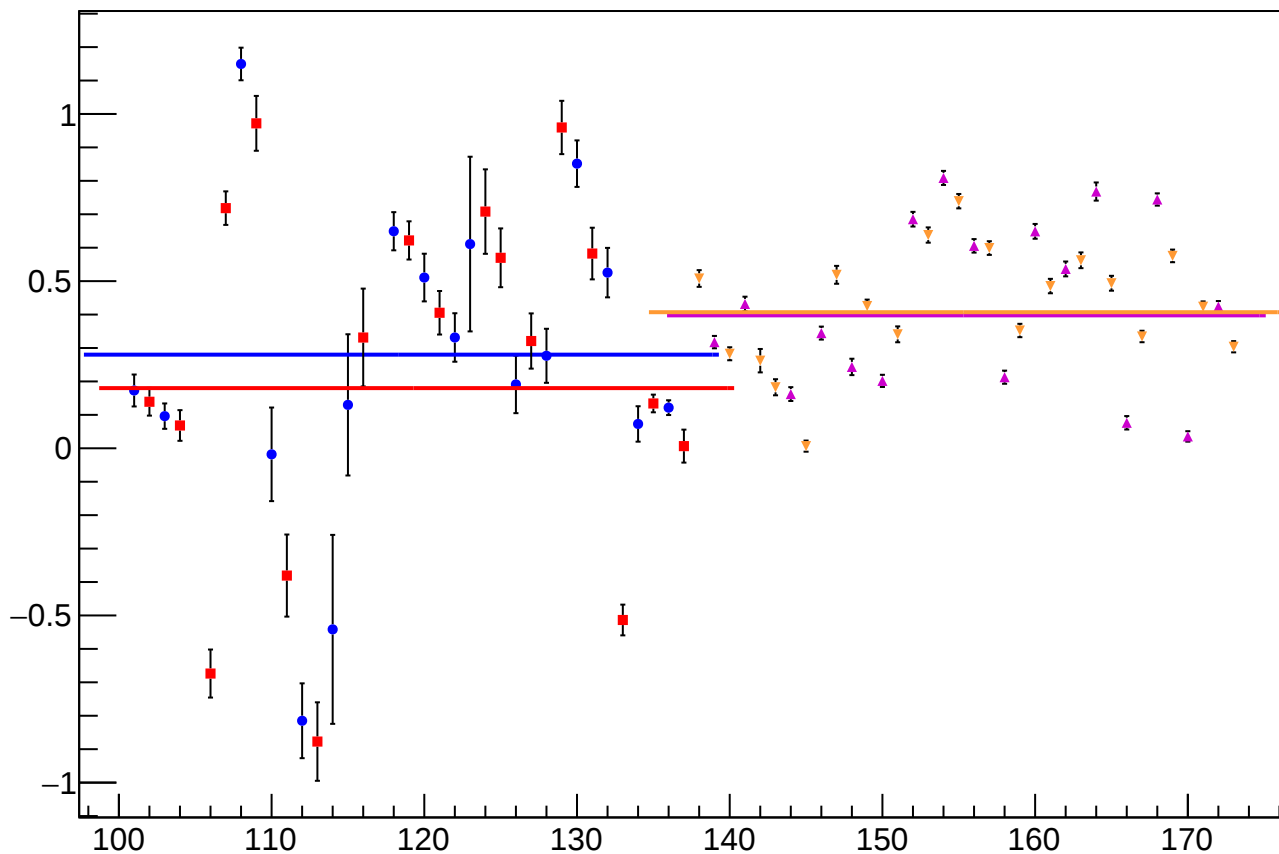
Right: -101.689 ± 0.175 $\chi^2/\text{NDF}: 10266.1/34$

In: -78.231 ± 0.098 $\chi^2/\text{NDF}: 21295.5/33$

Out: -79.795 ± 0.094 $\chi^2/\text{NDF}: 23349.7/36$

All: -79.041 ± 0.068 $\chi^2/\text{NDF}: 44777.7/70$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.280 ± 0.013 χ^2/NDF : 656.4/16

Left Out: 0.407 ± 0.005 χ^2/NDF : 1408.1/18

Right Out: 0.180 ± 0.013 χ^2/NDF : 937.1/17

Left In: 0.398 ± 0.005 χ^2/NDF : 2563.8/16

Left: 0.402 ± 0.003 χ^2/NDF : 3973.9/35

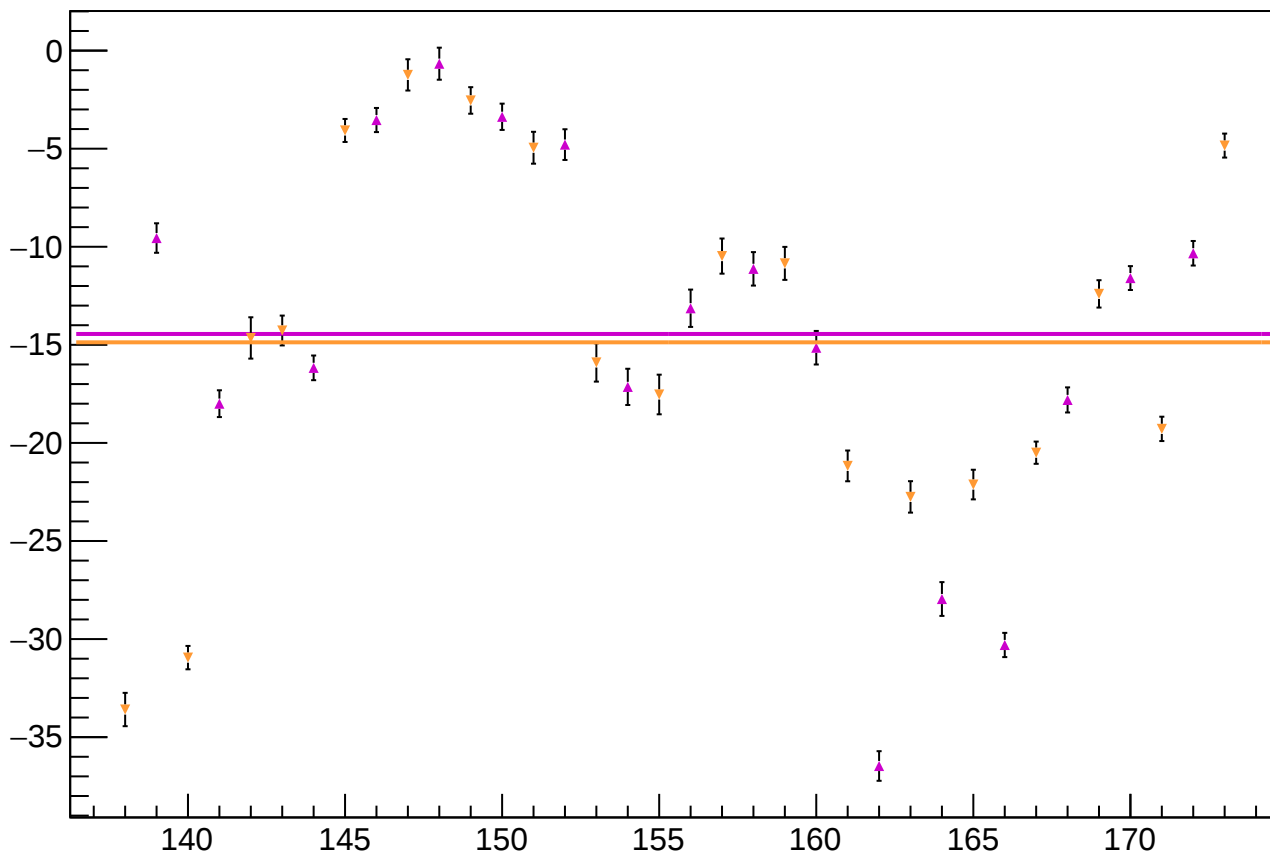
Right: 0.230 ± 0.010 χ^2/NDF : 1621.0/34

In: 0.384 ± 0.005 χ^2/NDF : 3287.6/33

Out: 0.382 ± 0.004 χ^2/NDF : 2597.9/36

All: 0.383 ± 0.003 χ^2/NDF : 5885.5/70

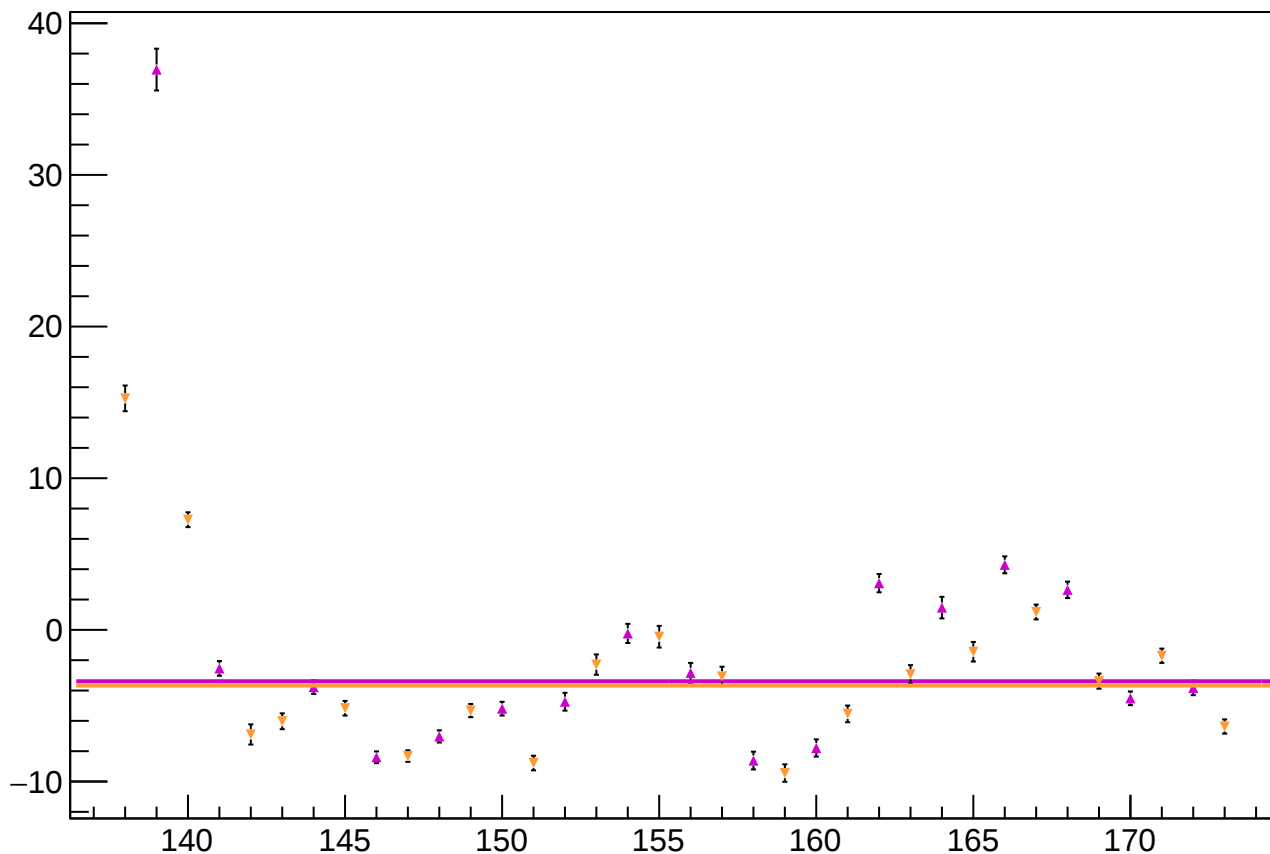
reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -14.872+/-0.169 χ^2/NDF :3065.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -14.446+/-0.174 χ^2/NDF :2975.7/16

Left: -14.666+/-0.121 χ^2/NDF : 6044.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -14.446+/-0.174 χ^2/NDF :2975.7/16
 Out: -14.872+/-0.169 χ^2/NDF :3065.2/18
 All: -14.666+/-0.121 χ^2/NDF : 6044.0/35

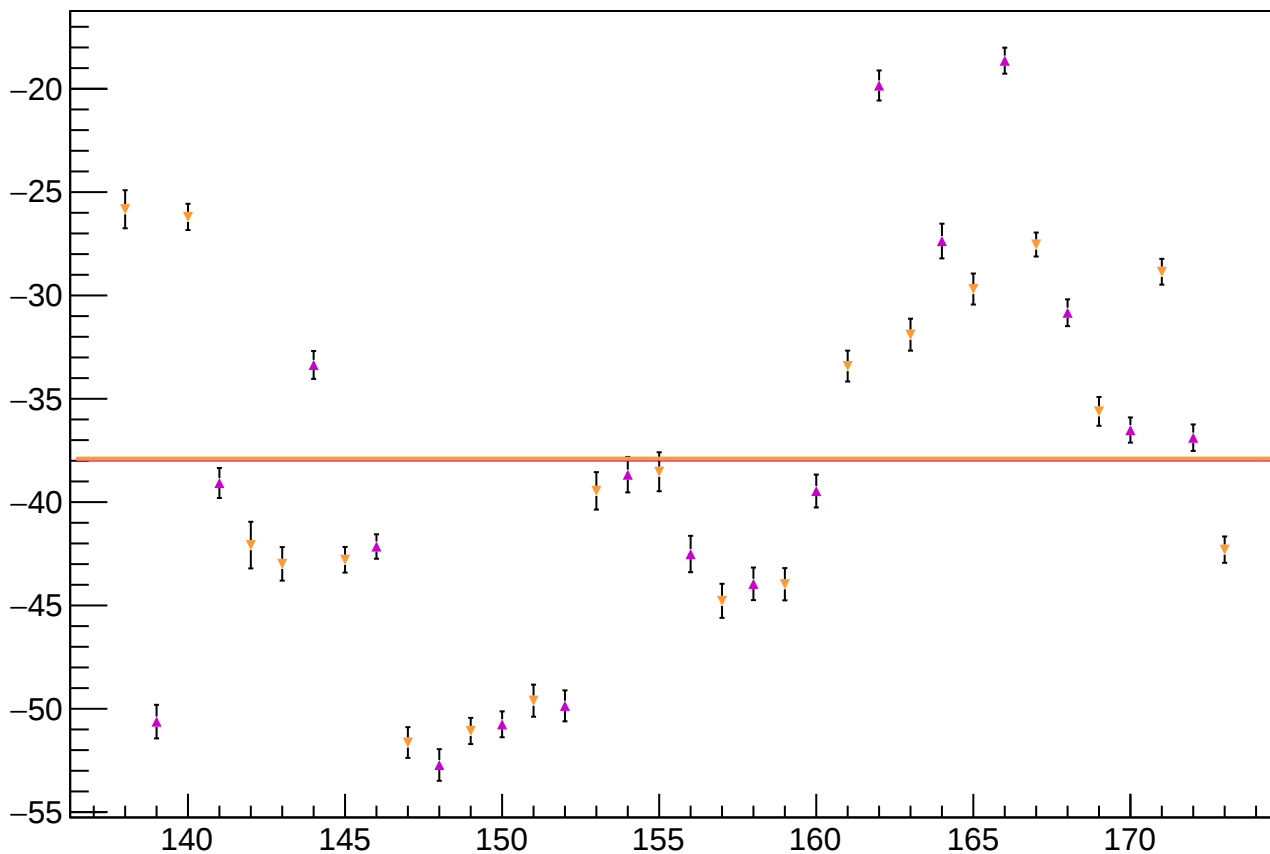
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.672+/-0.122 χ^2/NDF :1629.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.387+/-0.127 χ^2/NDF :1774.7/16

Left: -3.536+/-0.088 χ^2/NDF : 3406.9/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.387+/-0.127 χ^2/NDF :1774.7/16
 Out: -3.672+/-0.122 χ^2/NDF :1629.5/18
 All: -3.536+/-0.088 χ^2/NDF : 3406.9/35

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: -37.894+/-0.168 χ^2/NDF : 2564.7/18

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

Left In: -37.943+/-0.172 χ^2/NDF : 3323.7/16

Left: -37.918+/-0.120 χ^2/NDF : 5888.5/35

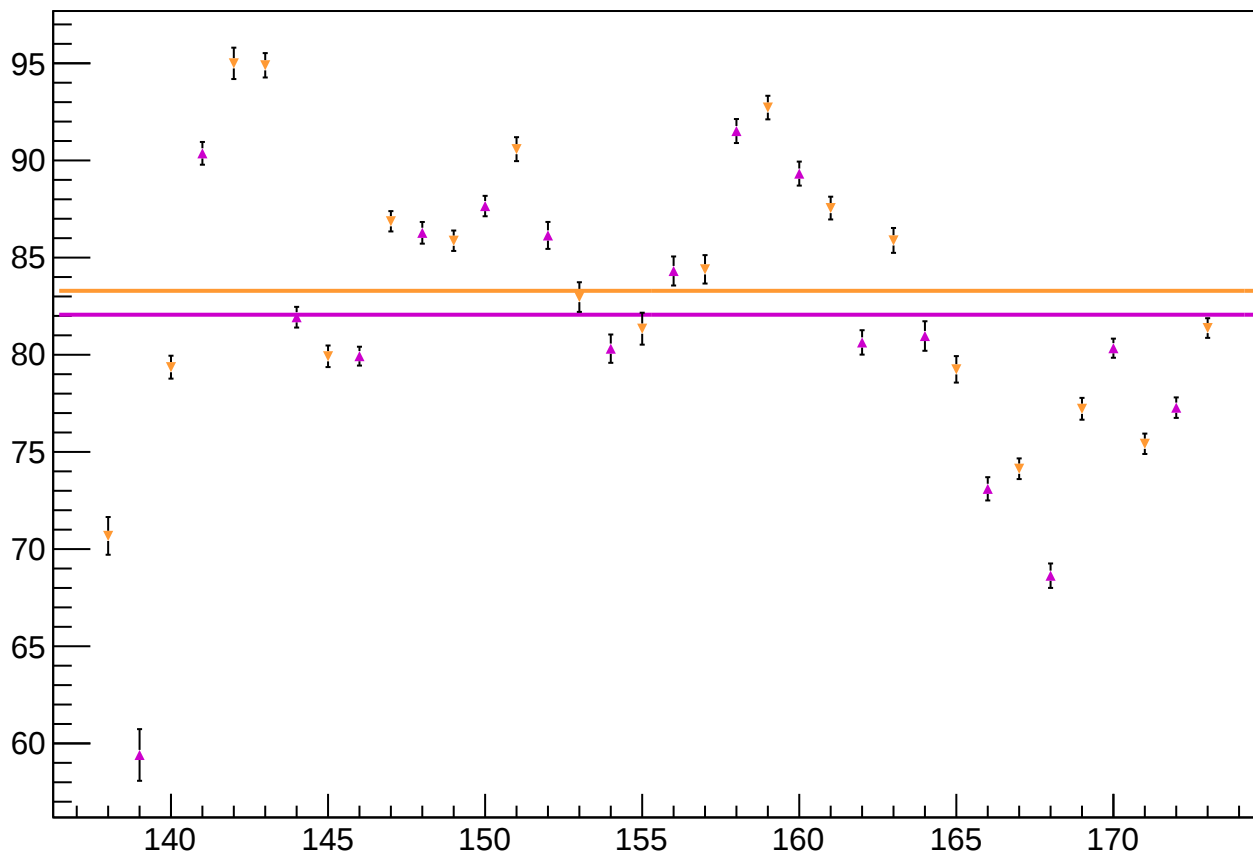
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.943+/-0.172 χ^2/NDF : 3323.7/16

Out: -37.894+/-0.168 χ^2/NDF : 2564.7/18

All: -37.918+/-0.120 χ^2/NDF : 5888.5/35

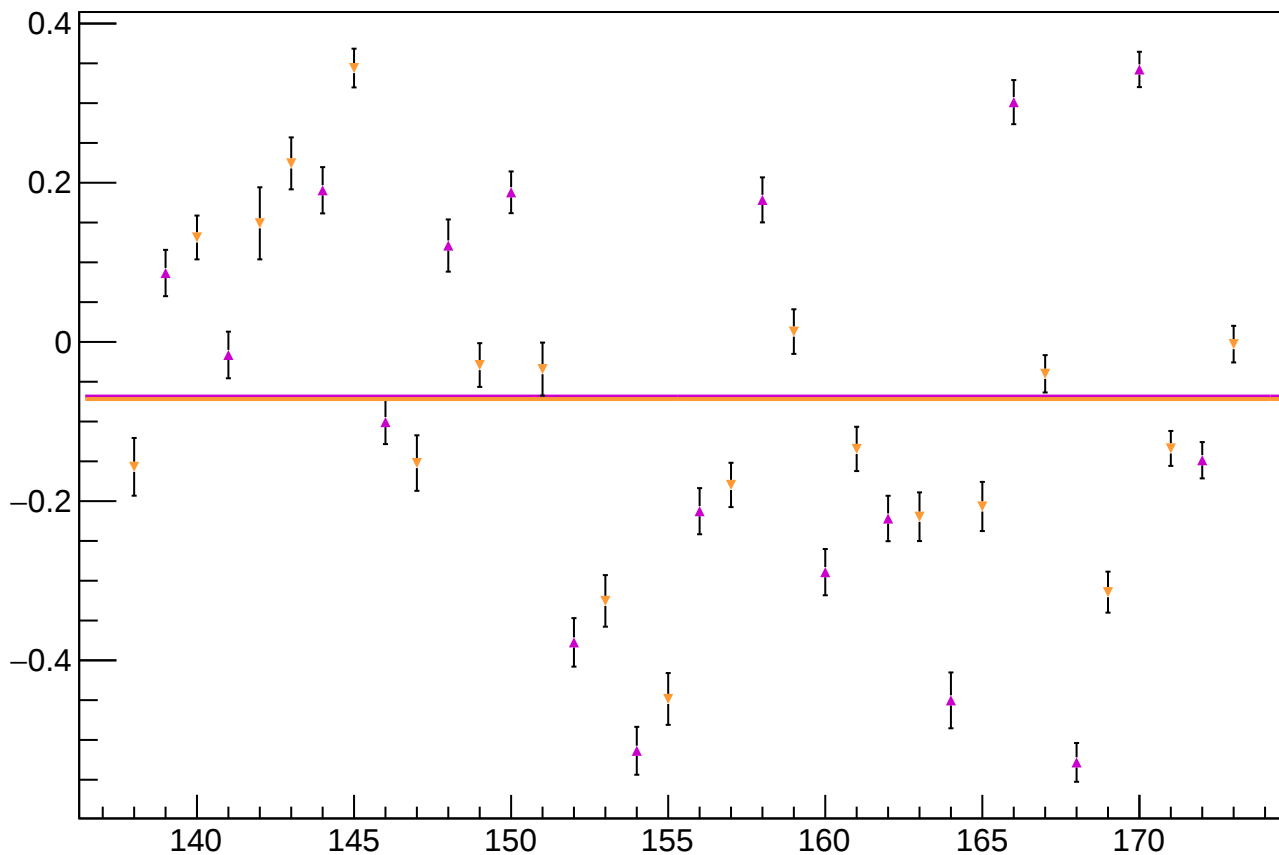
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 83.291 $\pm$ 0.140 χ^2/NDF :2019.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 82.061 $\pm$ 0.147 χ^2/NDF :1884.5/16

Left: 82.703 $\pm$ 0.101 χ^2/NDF : 3941.0/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 82.061 $\pm$ 0.147 χ^2/NDF :1884.5/16
 Out: 83.291 $\pm$ 0.140 χ^2/NDF :2019.7/18
 All: 82.703 $\pm$ 0.101 χ^2/NDF : 3941.0/35

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: -0.072+/-0.007 χ^2/NDF :841.5/18

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

Left In: -0.069+/-0.007 χ^2/NDF :1757.4/16

Left: -0.070+/-0.005 χ^2/NDF : 2599.0/35

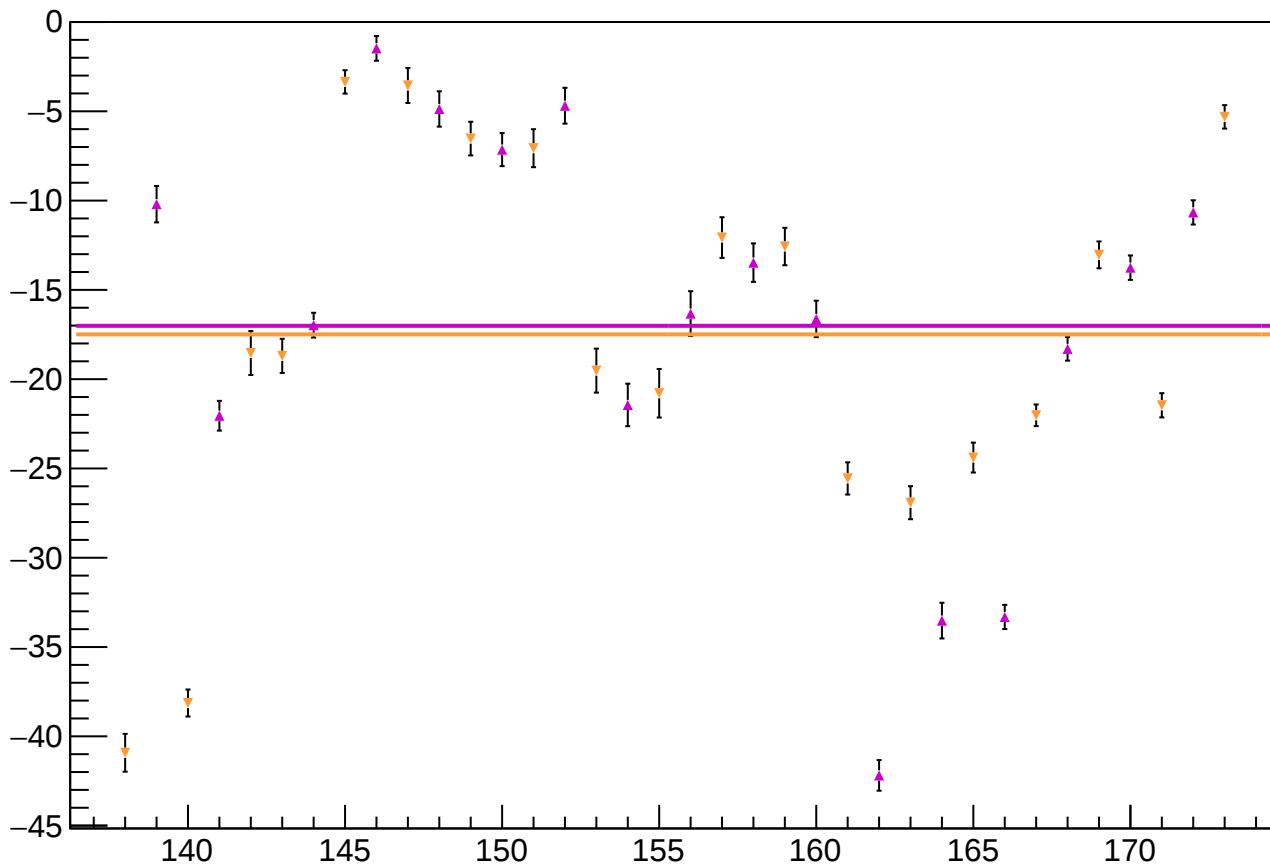
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.069+/-0.007 χ^2/NDF :1757.4/16

Out: -0.072+/-0.007 χ^2/NDF :841.5/18

All: -0.070+/-0.005 χ^2/NDF : 2599.0/35

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



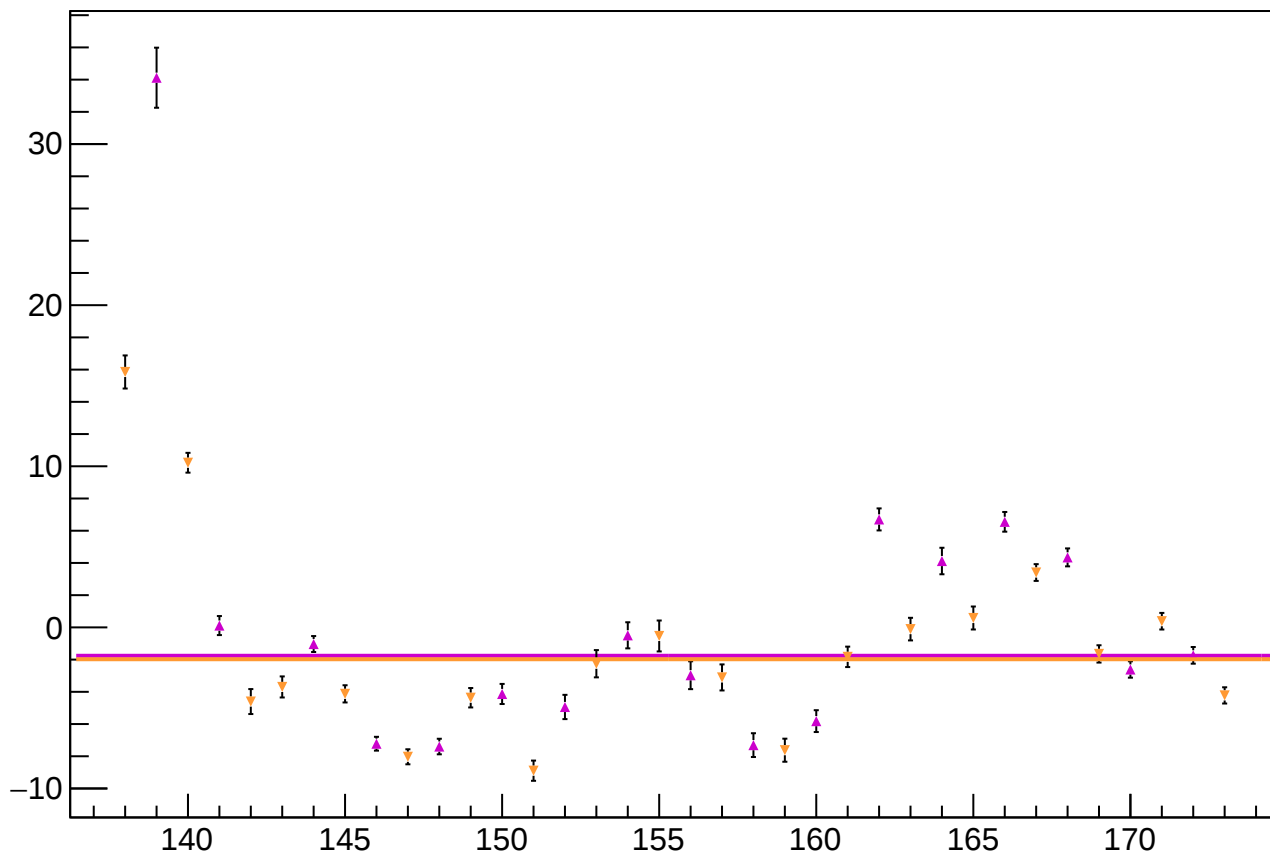
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -17.492+/-0.198 χ^2/NDF :2909.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -17.012+/-0.204 χ^2/NDF :2854.9/16

Left: -17.259+/-0.142 χ^2/NDF : 5767.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.012+/-0.204 χ^2/NDF :2854.9/16
 Out: -17.492+/-0.198 χ^2/NDF :2909.5/18

All: -17.259+/-0.142 χ^2/NDF : 5767.3/35

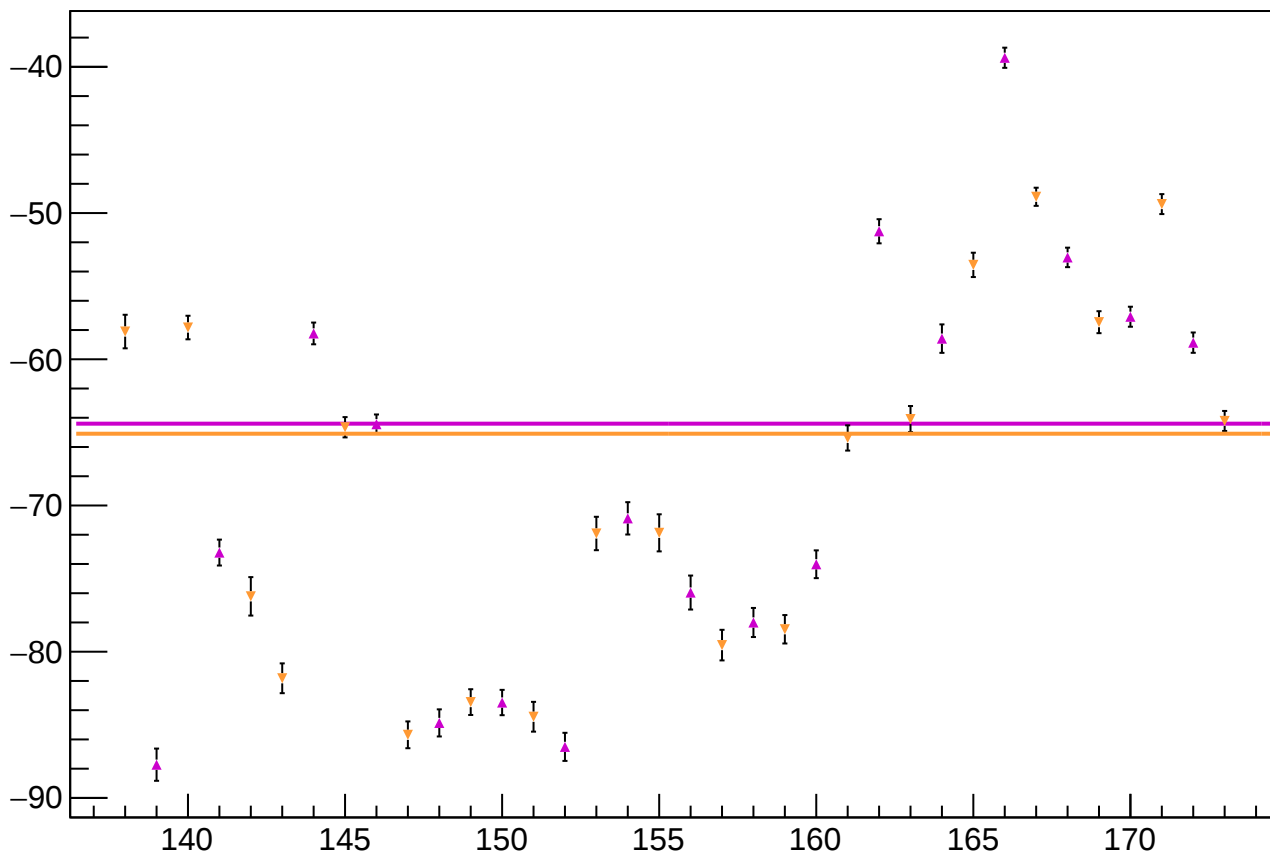
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.977+/-0.144 χ^2/NDF :1270.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.763+/-0.149 χ^2/NDF :1321.8/16

Left: -1.873+/-0.103 χ^2/NDF : 2593.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.763+/-0.149 χ^2/NDF :1321.8/16
 Out: -1.977+/-0.144 χ^2/NDF :1270.7/18
 All: -1.873+/-0.103 χ^2/NDF : 2593.6/35

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -65.091 $\pm$ 0.198 χ^2/NDF :3714.8/18

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

Left In: -64.404 $\pm$ 0.202 χ^2/NDF :4614.9/16

Left: -64.754 $\pm$ 0.142 χ^2/NDF : 8335.6/35

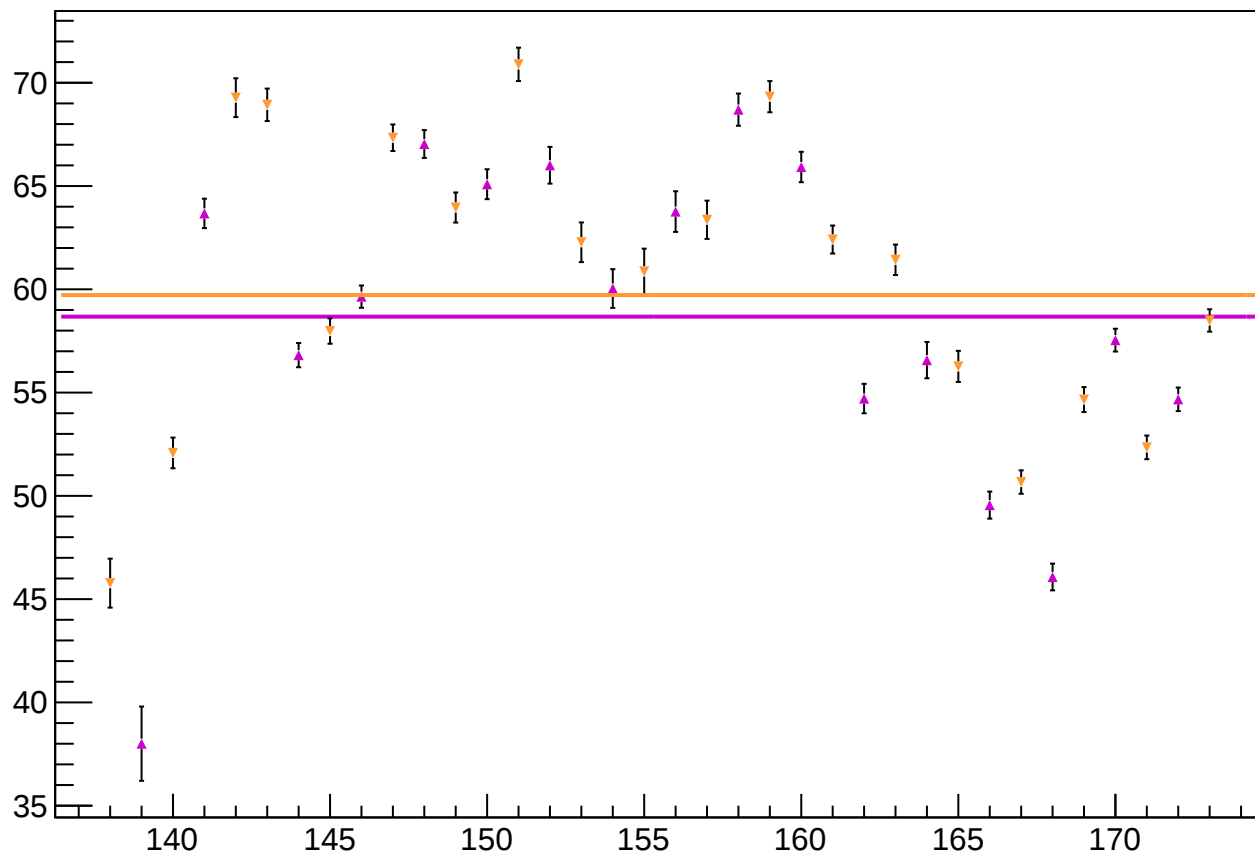
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -64.404 $\pm$ 0.202 χ^2/NDF :4614.9/16

Out: -65.091 $\pm$ 0.198 χ^2/NDF :3714.8/18

All: -64.754 $\pm$ 0.142 χ^2/NDF : 8335.6/35

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: 59.722 $\pm$ 0.165 χ^2 /NDF:1580.9/18

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

Left In: 58.677 $\pm$ 0.172 χ^2 /NDF:1448.7/16

Left: 59.220 $\pm$ 0.119 χ^2 /NDF: 3048.8/35

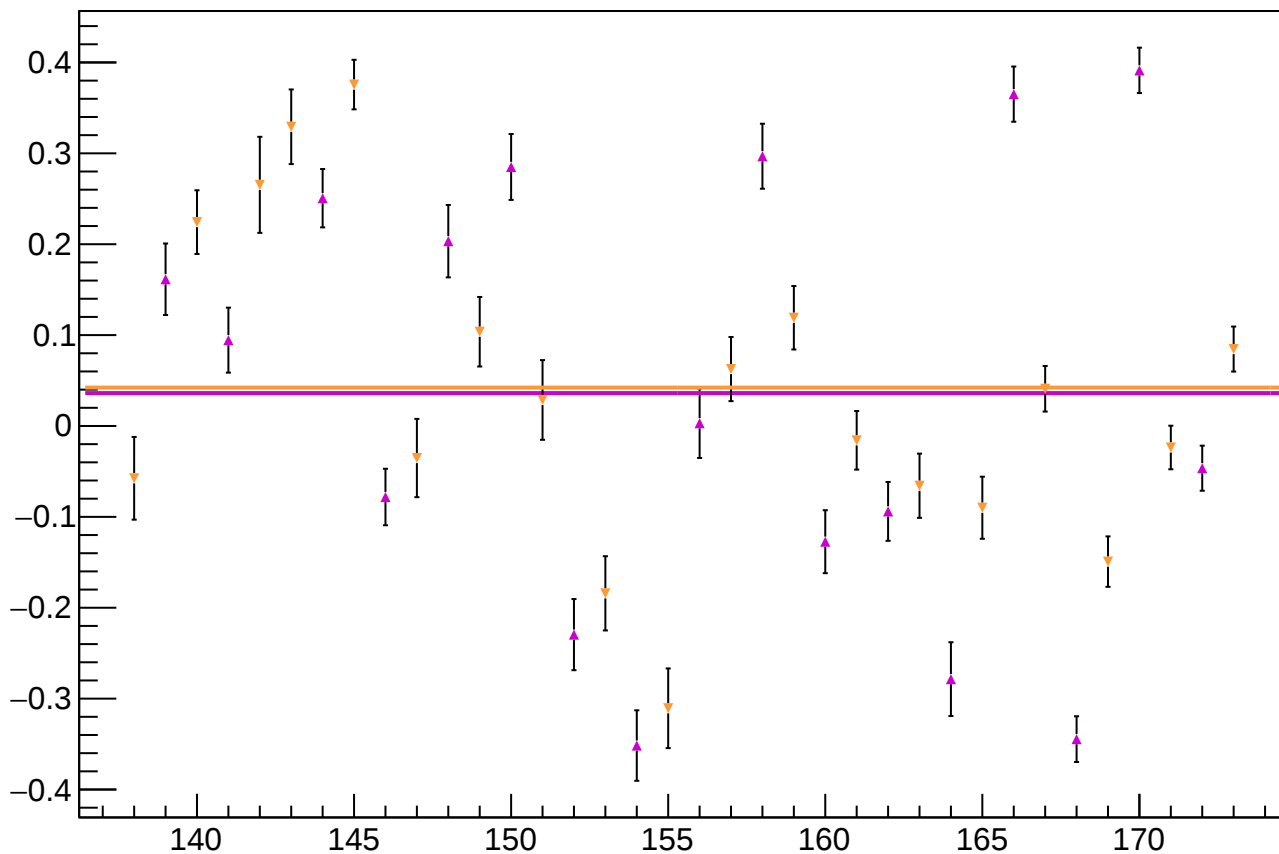
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 58.677 $\pm$ 0.172 χ^2 /NDF:1448.7/16

Out: 59.722 $\pm$ 0.165 χ^2 /NDF:1580.9/18

All: 59.220 $\pm$ 0.119 χ^2 /NDF: 3048.8/35

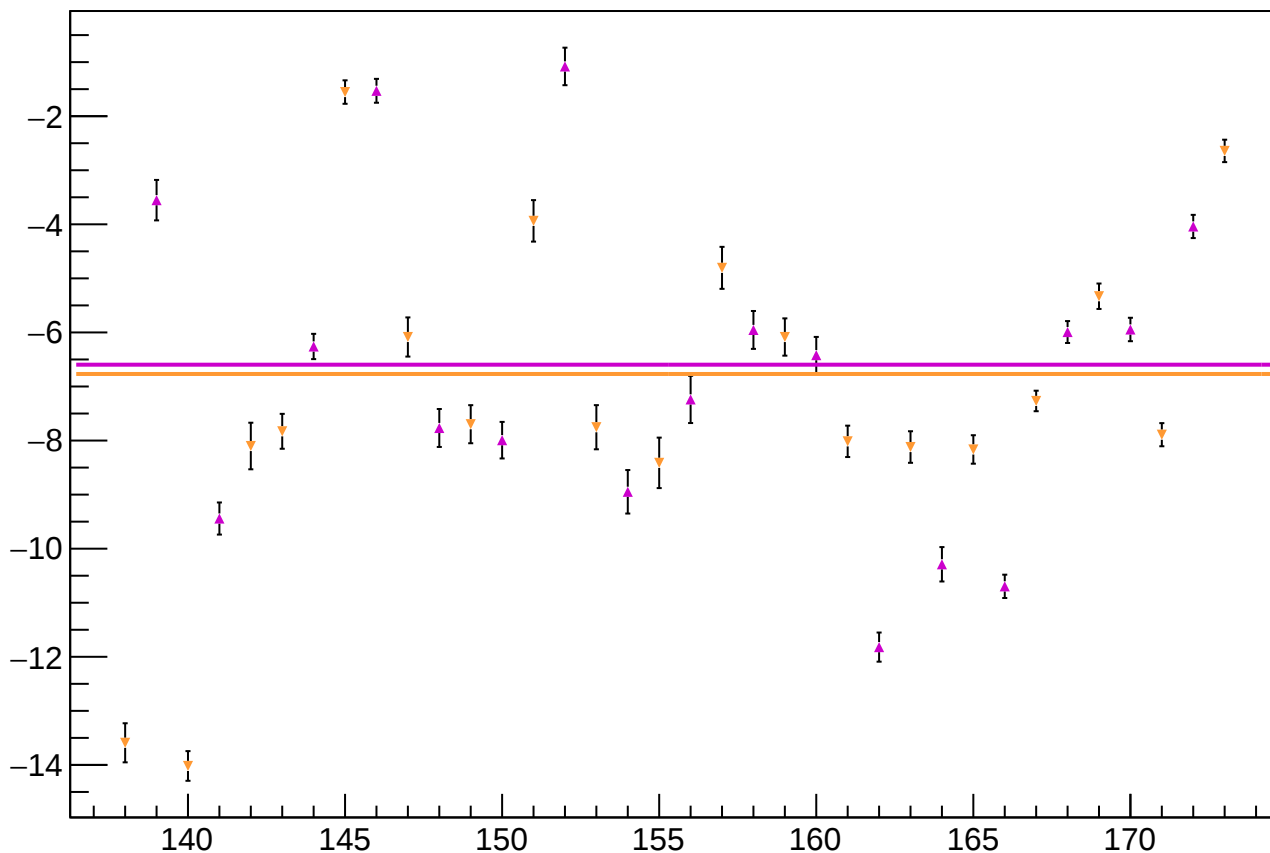
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.042 $\pm$ 0.008 χ^2 /NDF:440.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.036 $\pm$ 0.008 χ^2 /NDF:993.3/16

Left: 0.039 $\pm$ 0.006 χ^2 /NDF: 1434.1/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.036 $\pm$ 0.008 χ^2 /NDF:993.3/16
 Out: 0.042 $\pm$ 0.008 χ^2 /NDF:440.5/18
 All: 0.039 $\pm$ 0.006 χ^2 /NDF: 1434.1/35

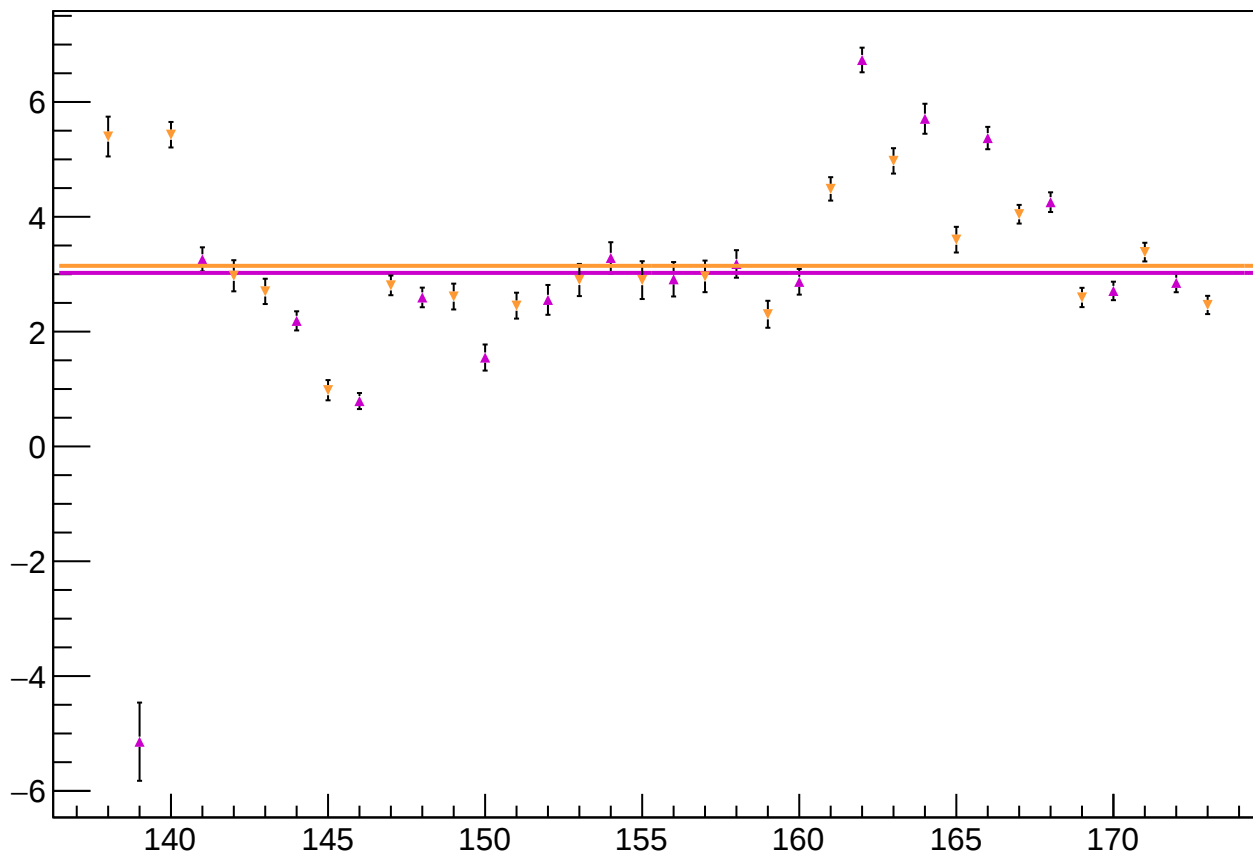
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.768 $\pm$ 0.065 χ^2 /NDF:2299.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.597 $\pm$ 0.067 χ^2 /NDF:2038.2/16

Left: -6.685 $\pm$ 0.047 χ^2 /NDF: 4340.9/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.597 $\pm$ 0.067 χ^2 /NDF:2038.2/16
 Out: -6.768 $\pm$ 0.065 χ^2 /NDF:2299.3/18
 All: -6.685 $\pm$ 0.047 χ^2 /NDF: 4340.9/35

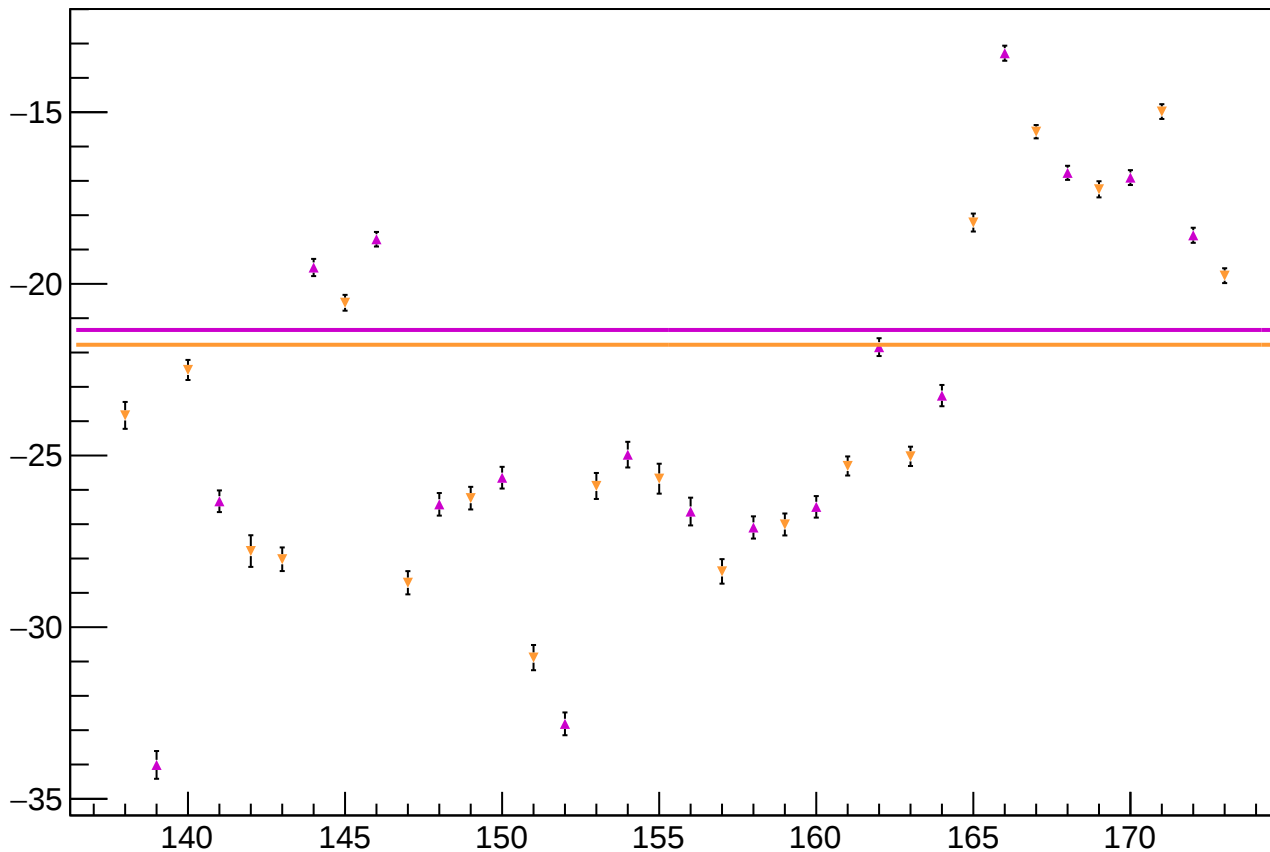
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 3.146 $\pm$ 0.048 χ^2/NDF :514.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 3.023 $\pm$ 0.049 χ^2/NDF :1085.9/16

Left: 3.086 $\pm$ 0.034 χ^2/NDF : 1603.7/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 3.023 $\pm$ 0.049 χ^2/NDF :1085.9/16
 Out: 3.146 $\pm$ 0.048 χ^2/NDF :514.6/18
 All: 3.086 $\pm$ 0.034 χ^2/NDF : 1603.7/35

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: -21.774+/-0.065 χ^2/NDF : 5539.5/18

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

Left In: -21.343+/-0.066 χ^2/NDF : 6366.0/16

Left: -21.561+/-0.047 χ^2/NDF : 11926.9/35

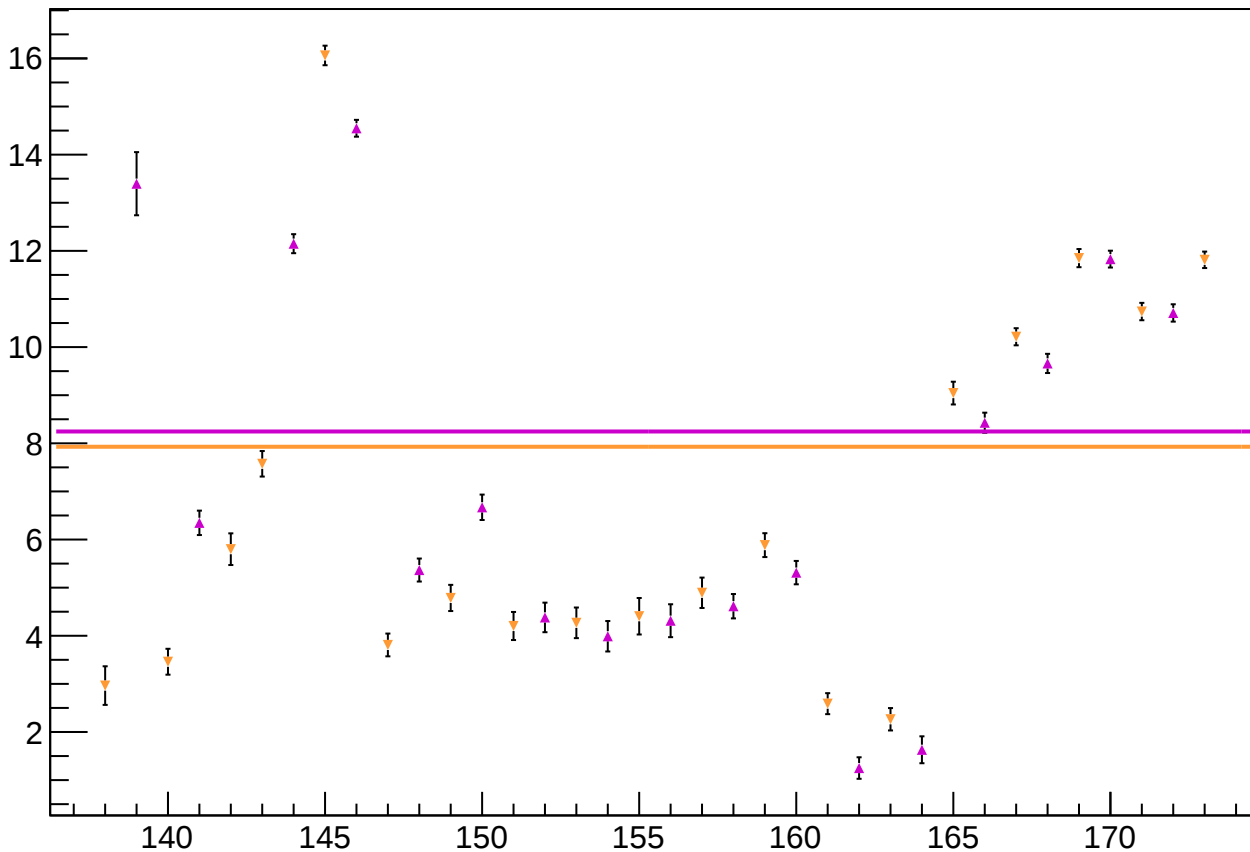
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.343+/-0.066 χ^2/NDF : 6366.0/16

Out: -21.774+/-0.065 χ^2/NDF : 5539.5/18

All: -21.561+/-0.047 χ^2/NDF : 11926.9/35

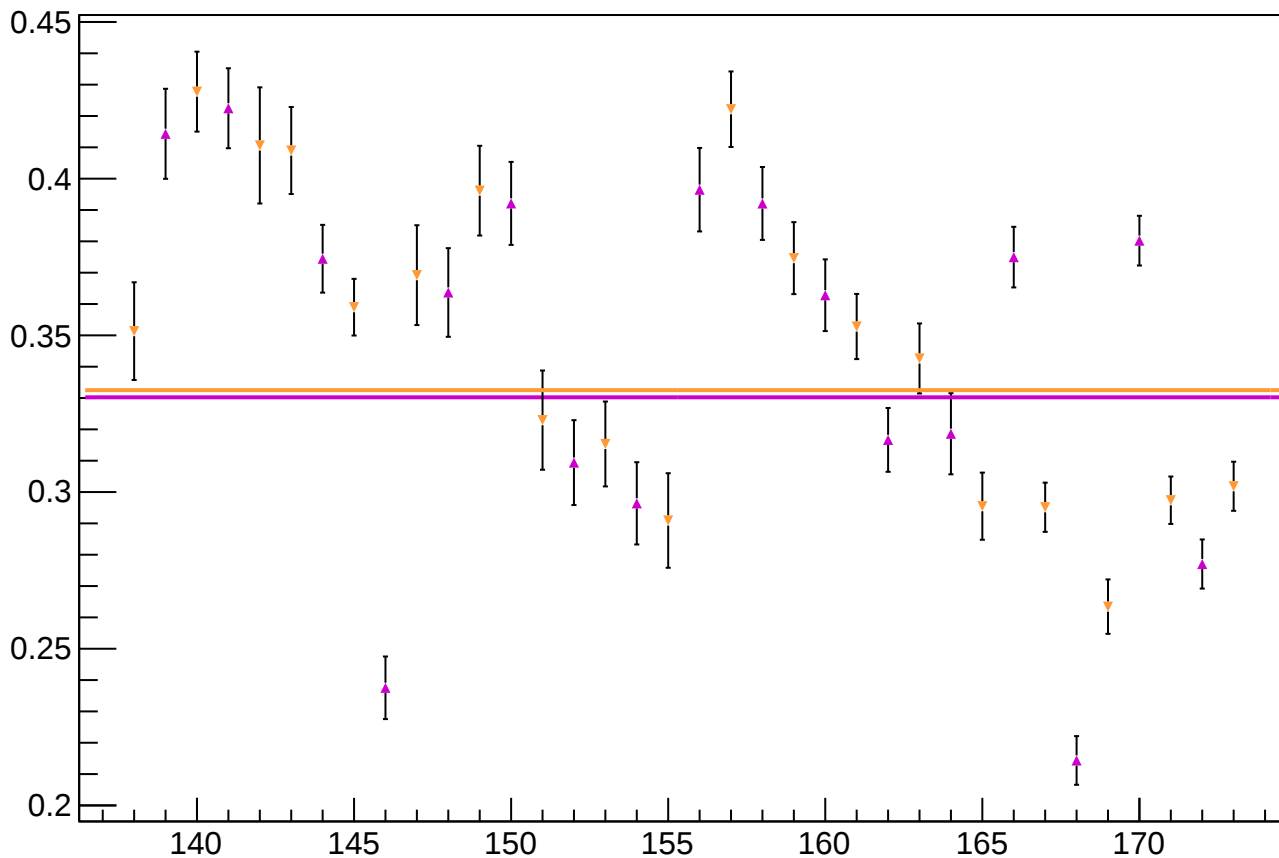
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 7.929 $\pm$ 0.055 χ^2/NDF :5622.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 8.246 $\pm$ 0.056 χ^2/NDF :5005.3/16

Left: 8.082 $\pm$ 0.039 χ^2/NDF : 10644.0/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 8.246 $\pm$ 0.056 χ^2/NDF :5005.3/16
 Out: 7.929 $\pm$ 0.055 χ^2/NDF :5622.3/18
 All: 8.082 $\pm$ 0.039 χ^2/NDF : 10644.0/35

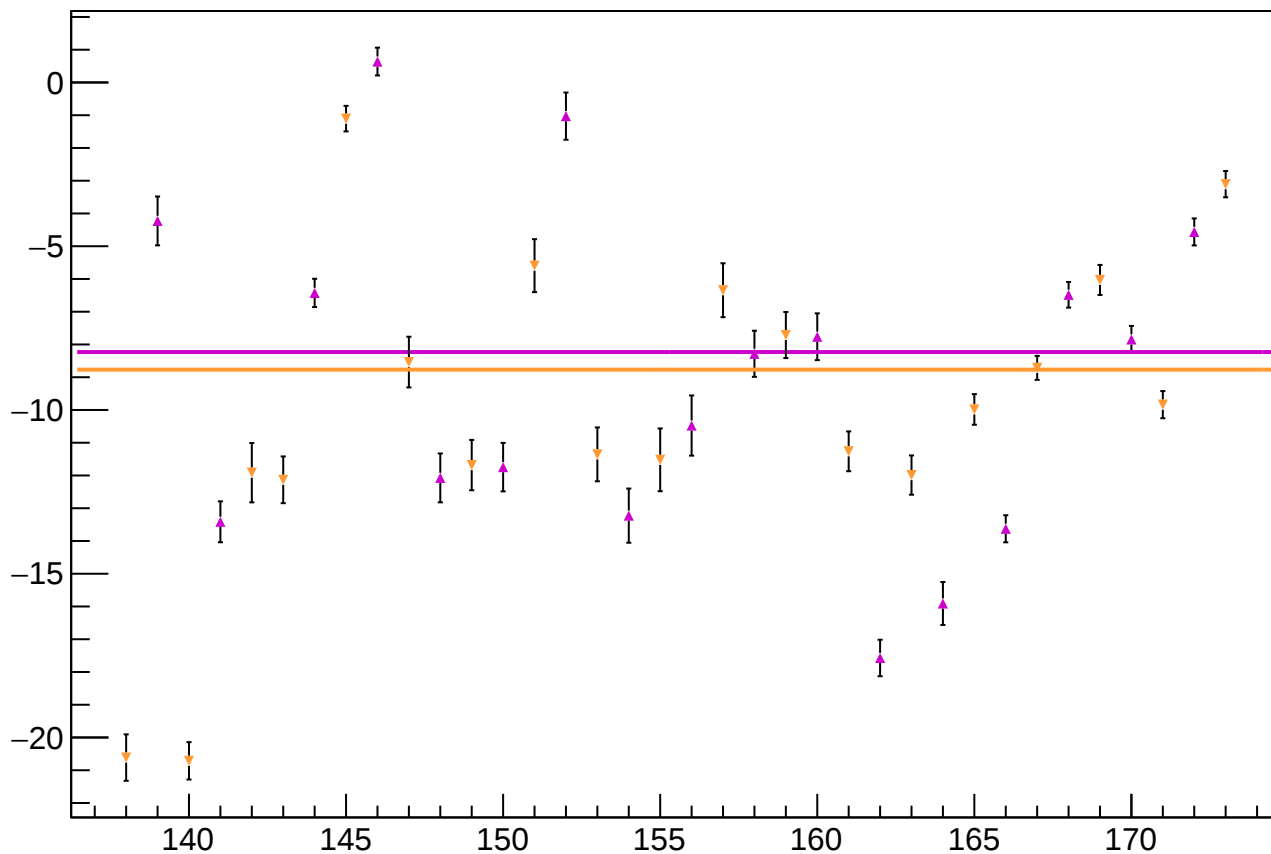
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.333 $\pm$ 0.003 χ^2 /NDF:356.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.330 $\pm$ 0.003 χ^2 /NDF:619.2/16

Left: 0.331 $\pm$ 0.002 χ^2 /NDF: 976.3/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.330 $\pm$ 0.003 χ^2 /NDF:619.2/16
 Out: 0.333 $\pm$ 0.003 χ^2 /NDF:356.7/18
 All: 0.331 $\pm$ 0.002 χ^2 /NDF: 976.3/35

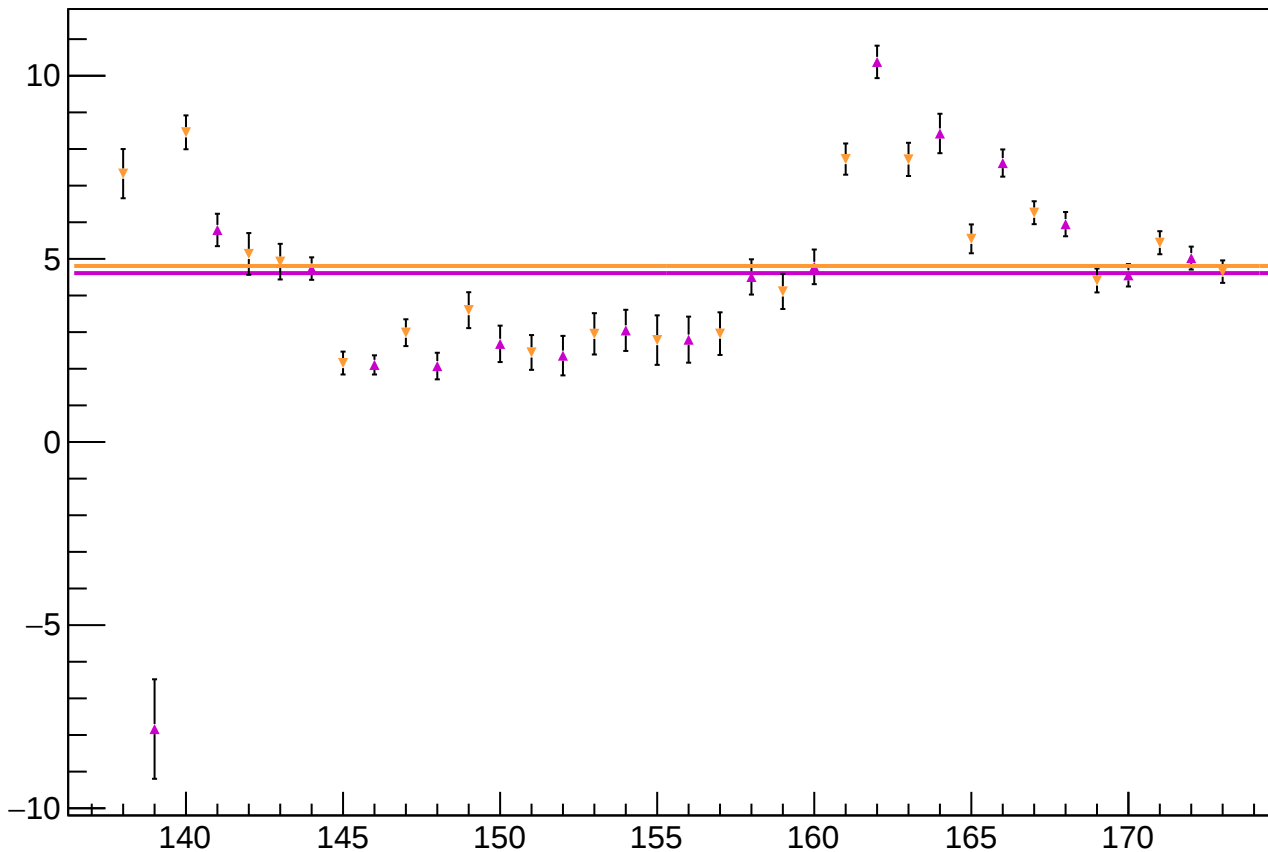
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.768+/-0.129 χ^2/NDF :1489.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.231+/-0.132 χ^2/NDF :1433.3/16

Left: -8.506+/-0.092 χ^2/NDF : 2931.1/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.231+/-0.132 χ^2/NDF :1433.3/16
 Out: -8.768+/-0.129 χ^2/NDF :1489.4/18
 All: -8.506+/-0.092 χ^2/NDF : 2931.1/35

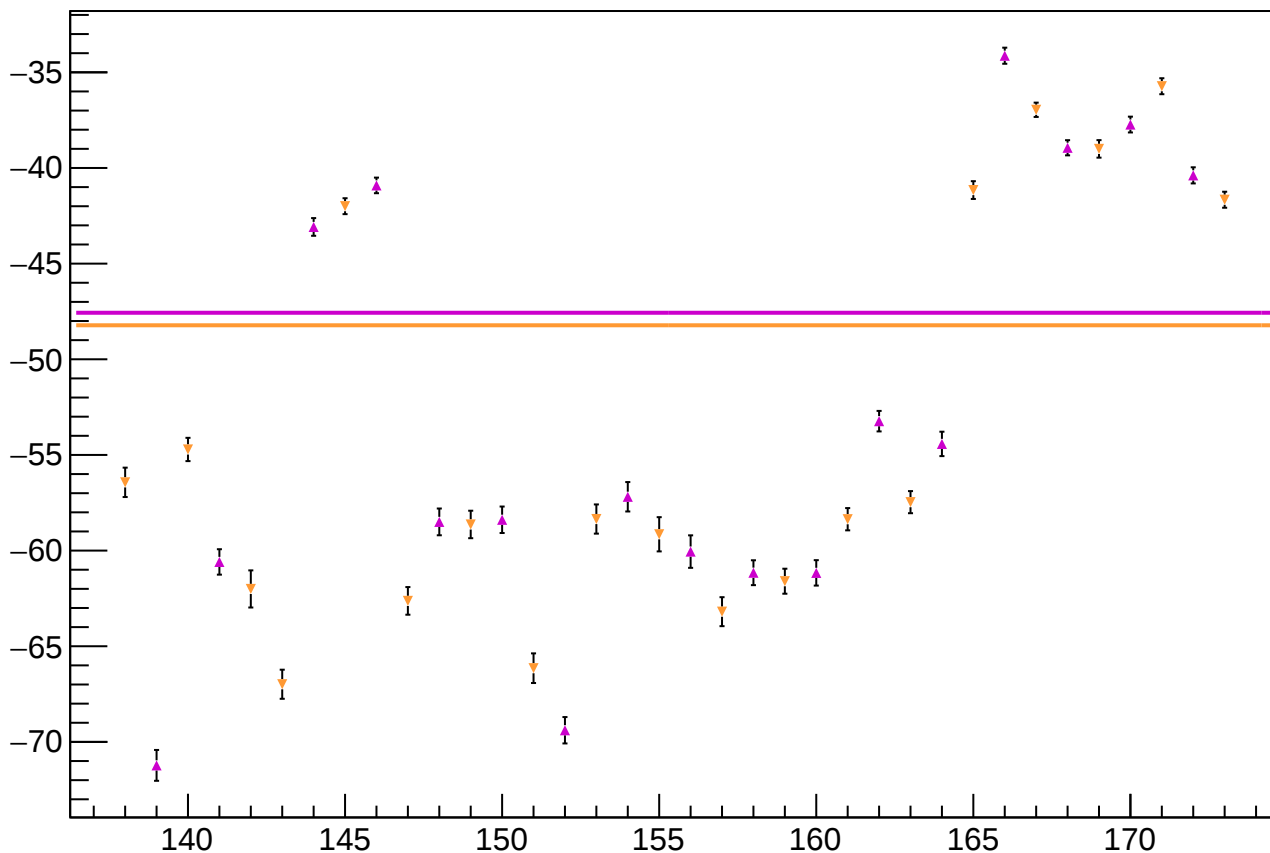
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.807 $\pm$ 0.095 χ^2 /NDF:355.4/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.612 $\pm$ 0.097 χ^2 /NDF:583.4/16

Left: 4.711 $\pm$ 0.068 χ^2 /NDF: 940.9/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.612 $\pm$ 0.097 χ^2 /NDF:583.4/16
 Out: 4.807 $\pm$ 0.095 χ^2 /NDF:355.4/18
 All: 4.711 $\pm$ 0.068 χ^2 /NDF: 940.9/35

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: -48.223+/-0.130 χ^2/NDF : 6784.6/18

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

Left In: -47.568+/-0.131 χ^2/NDF : 6903.0/16

Left: -47.900+/-0.092 χ^2/NDF : 13700.2/35

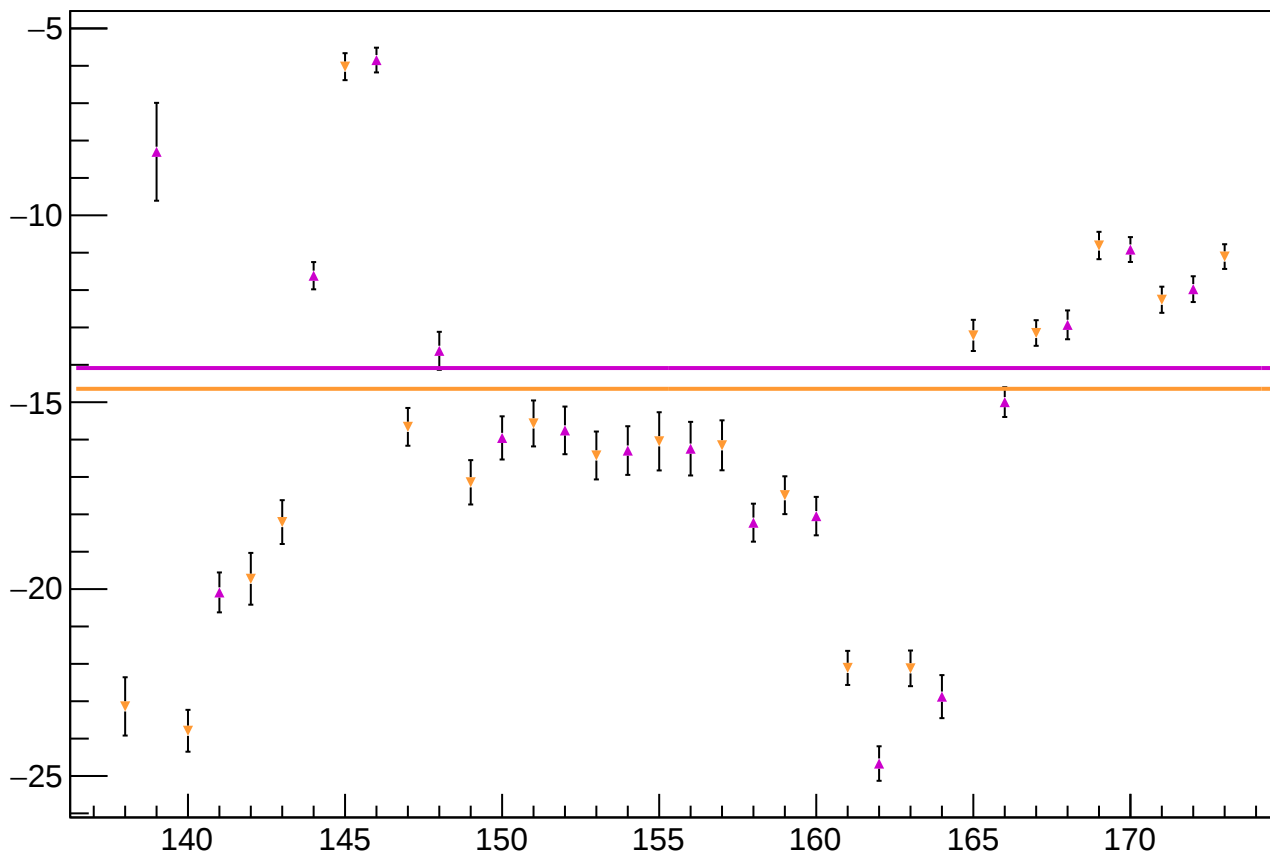
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -47.568+/-0.131 χ^2/NDF : 6903.0/16

Out: -48.223+/-0.130 χ^2/NDF : 6784.6/18

All: -47.900+/-0.092 χ^2/NDF : 13700.2/35

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: -14.641+/-0.108 χ^2/NDF :1934.0/18

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

Left In: -14.086+/-0.112 χ^2/NDF :1875.7/16

Left: -14.372+/-0.078 χ^2/NDF : 3822.5/35

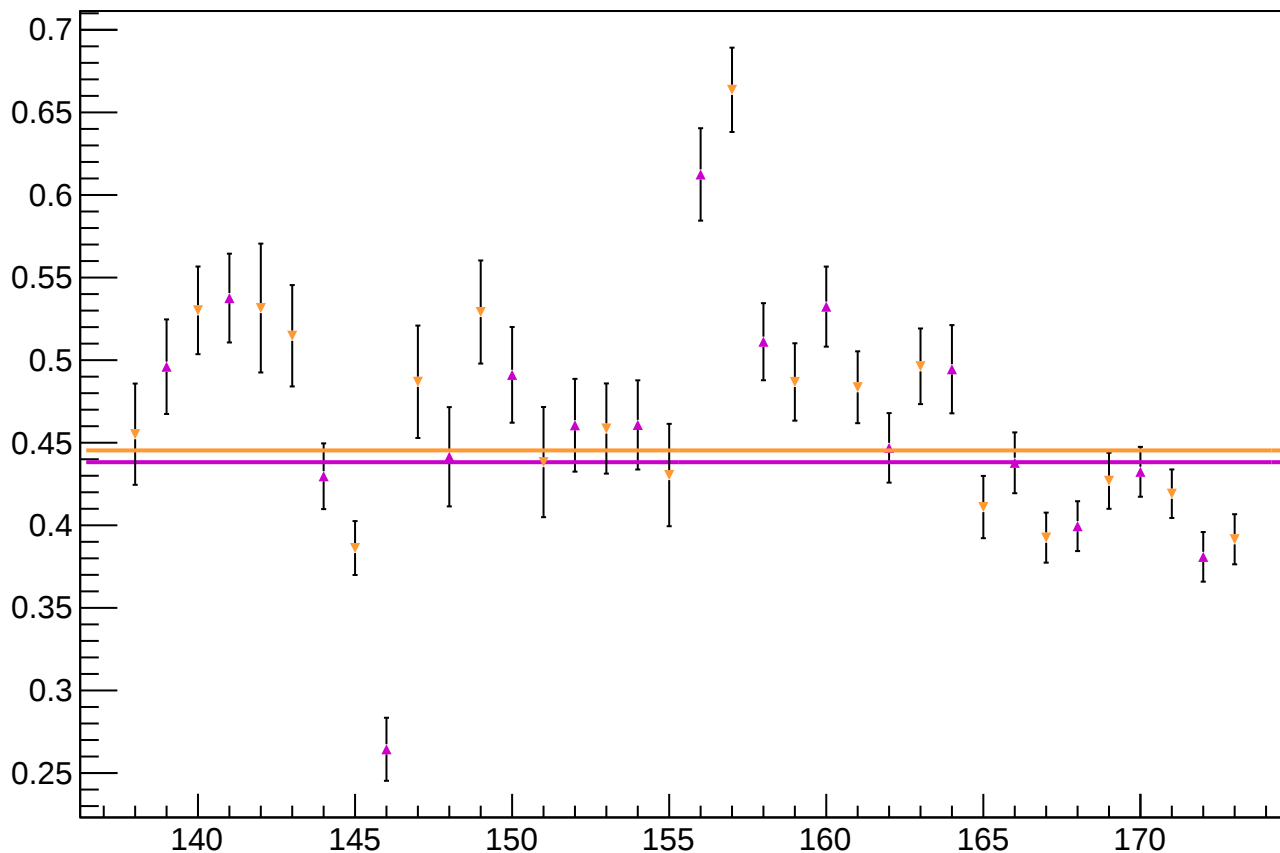
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.086+/-0.112 χ^2/NDF :1875.7/16

Out: -14.641+/-0.108 χ^2/NDF :1934.0/18

All: -14.372+/-0.078 χ^2/NDF : 3822.5/35

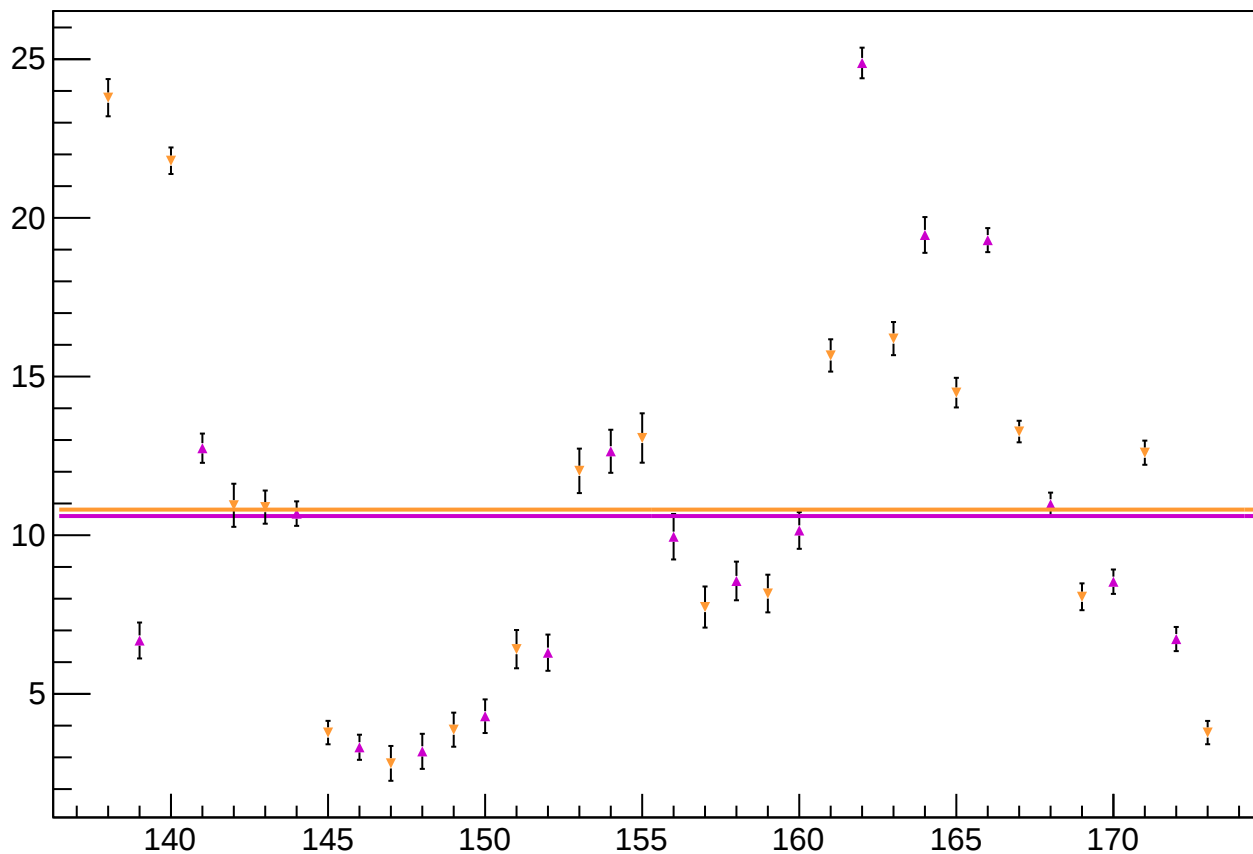
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.445 $\pm$ 0.005 χ^2 /NDF:159.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.438 $\pm$ 0.005 χ^2 /NDF:195.1/16

Left: 0.442 $\pm$ 0.004 χ^2 /NDF: 355.4/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.438 $\pm$ 0.005 χ^2 /NDF:195.1/16
 Out: 0.445 $\pm$ 0.005 χ^2 /NDF:159.3/18
 All: 0.442 $\pm$ 0.004 χ^2 /NDF: 355.4/35

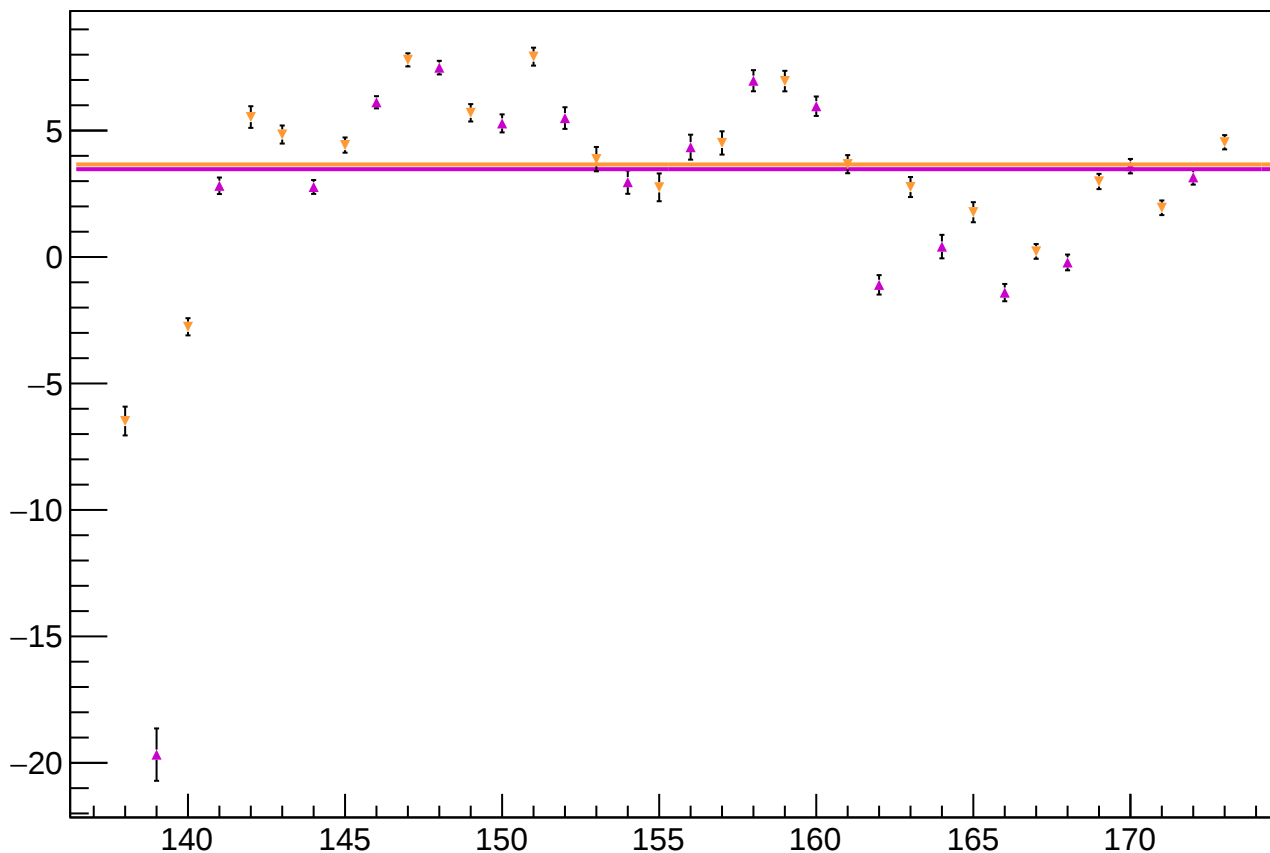
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 10.807+/-0.111 χ^2/NDF :2770.1/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.604+/-0.115 χ^2/NDF :2593.3/16

Left: 10.709+/-0.080 χ^2/NDF : 5365.1/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 10.604+/-0.115 χ^2/NDF :2593.3/16
 Out: 10.807+/-0.111 χ^2/NDF :2770.1/18
 All: 10.709+/-0.080 χ^2/NDF : 5365.1/35

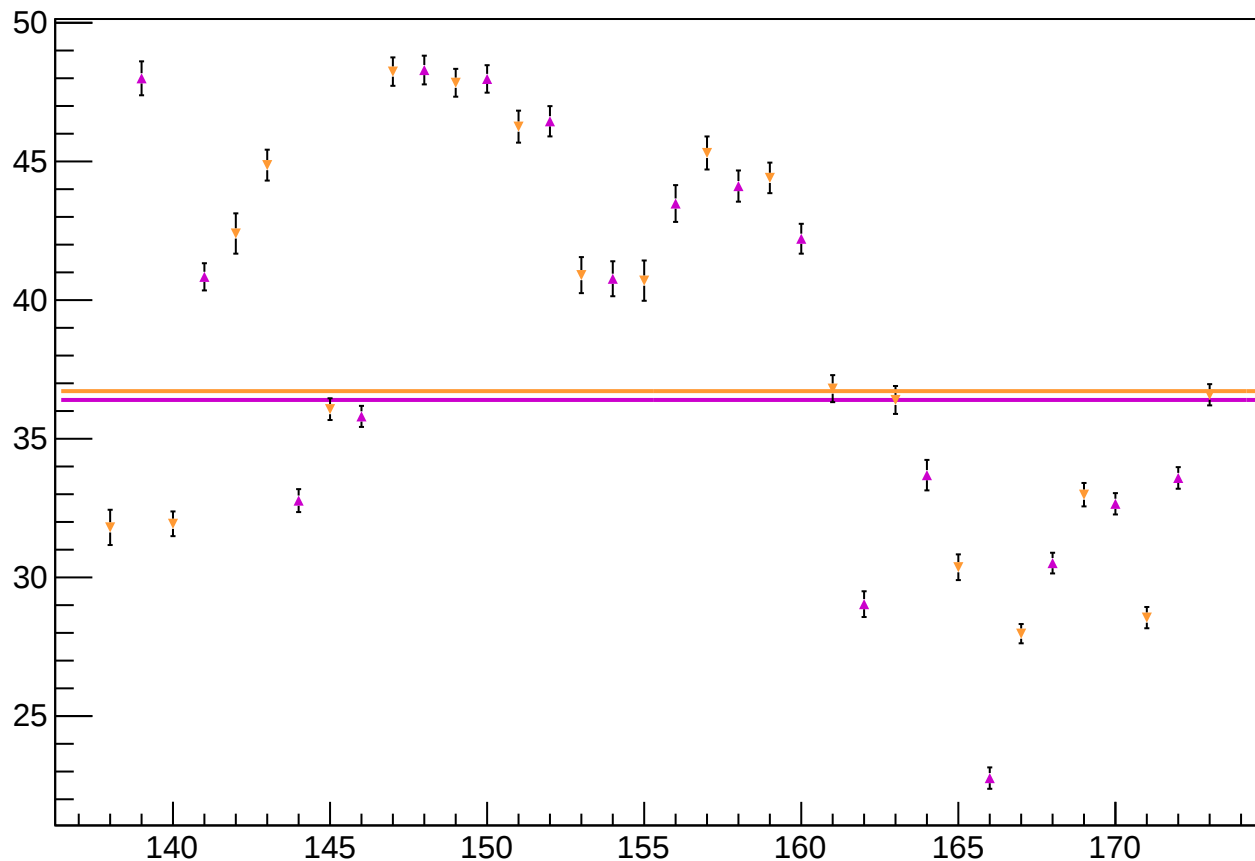
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.660+/-0.081 χ^2/NDF :1431.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.473+/-0.084 χ^2/NDF :1546.6/16

Left: 3.570+/-0.058 χ^2/NDF : 2980.8/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.473+/-0.084 χ^2/NDF :1546.6/16
 Out: 3.660+/-0.081 χ^2/NDF :1431.5/18
 All: 3.570+/-0.058 χ^2/NDF : 2980.8/35

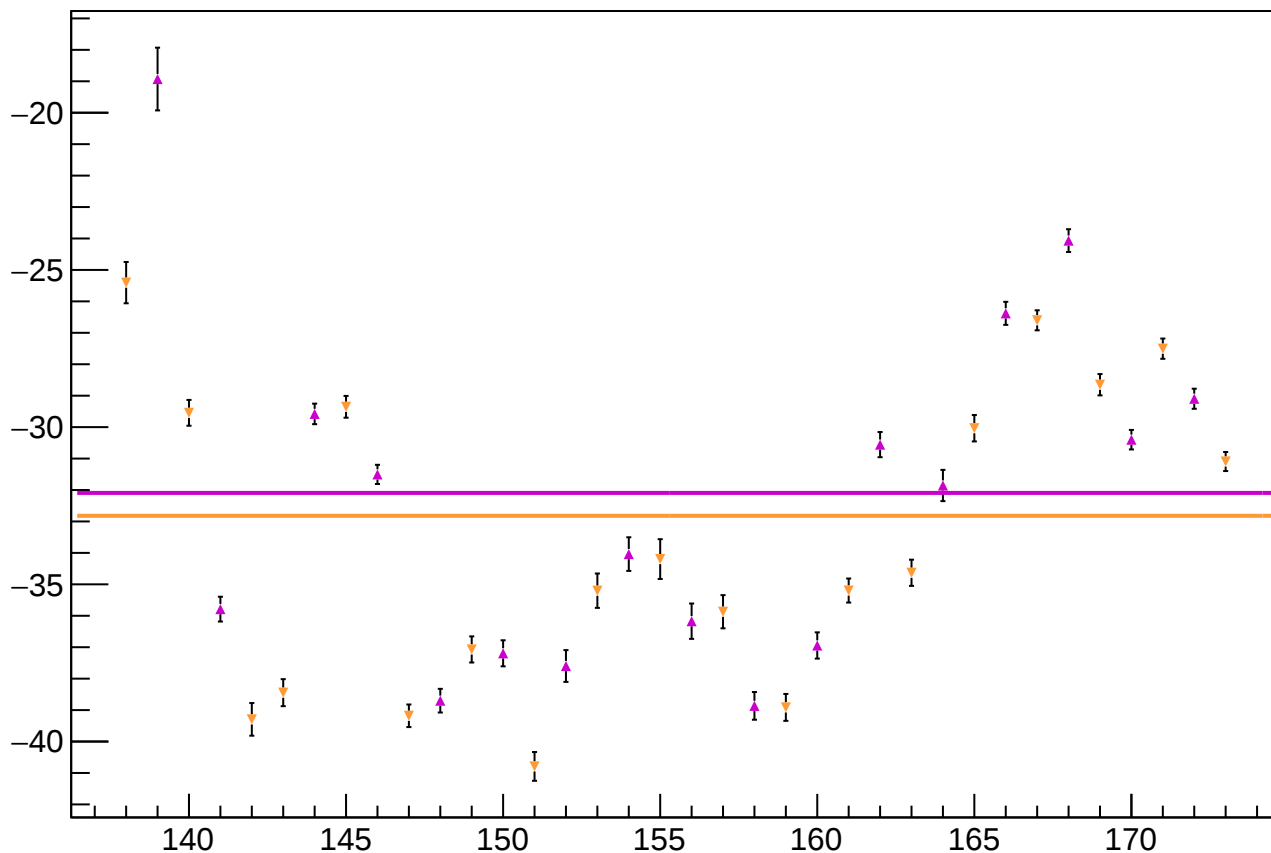
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 36.718+/-0.111 χ^2/NDF : 3548.6/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 36.400+/-0.114 χ^2/NDF : 4320.0/16

Left: 36.562+/-0.080 χ^2/NDF : 7872.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 36.400+/-0.114 χ^2/NDF : 4320.0/16
 Out: 36.718+/-0.111 χ^2/NDF : 3548.6/18
 All: 36.562+/-0.080 χ^2/NDF : 7872.6/35

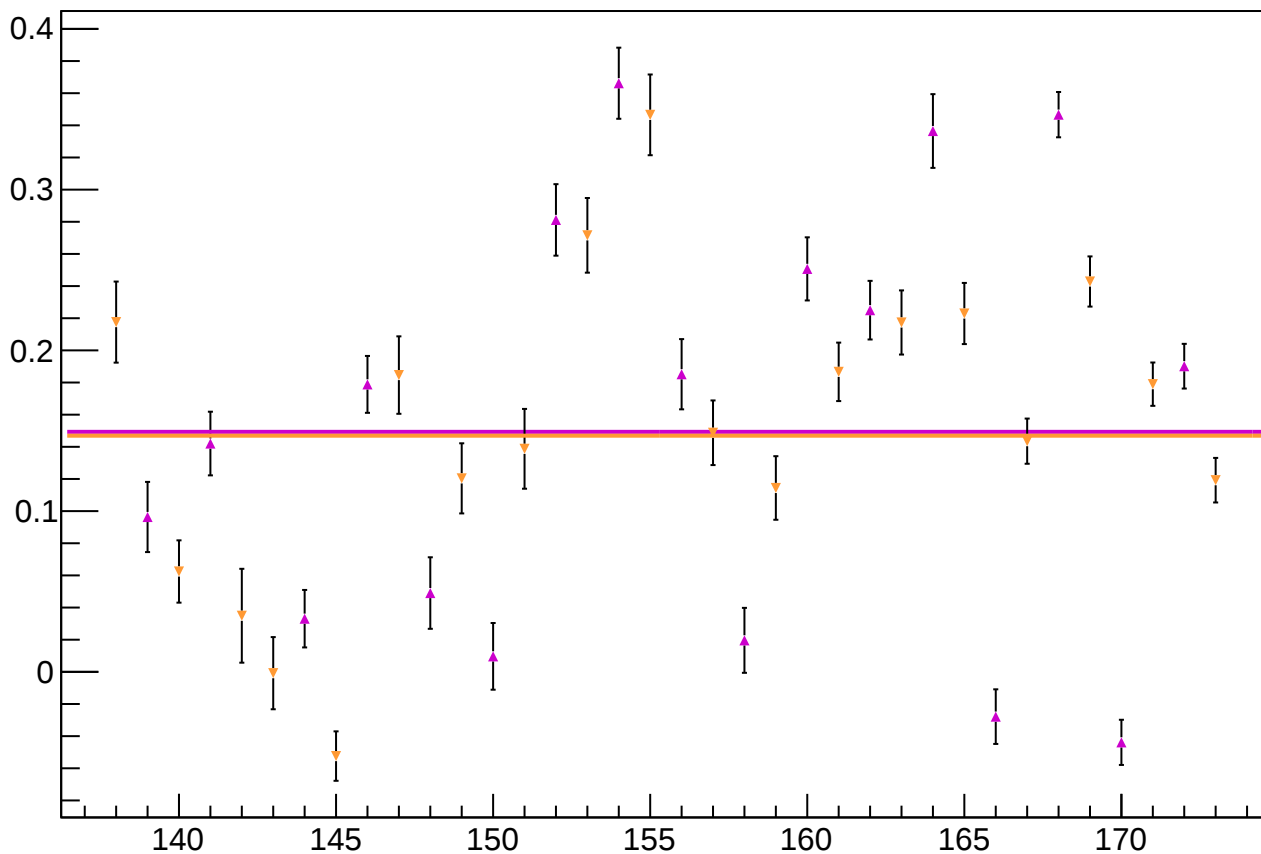
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.820+/-0.093 χ^2/NDF :2538.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.092+/-0.096 χ^2/NDF :2206.8/16

Left: -32.470+/-0.067 χ^2/NDF : 4775.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -32.092+/-0.096 χ^2/NDF :2206.8/16
 Out: -32.820+/-0.093 χ^2/NDF :2538.7/18
 All: -32.470+/-0.067 χ^2/NDF : 4775.0/35

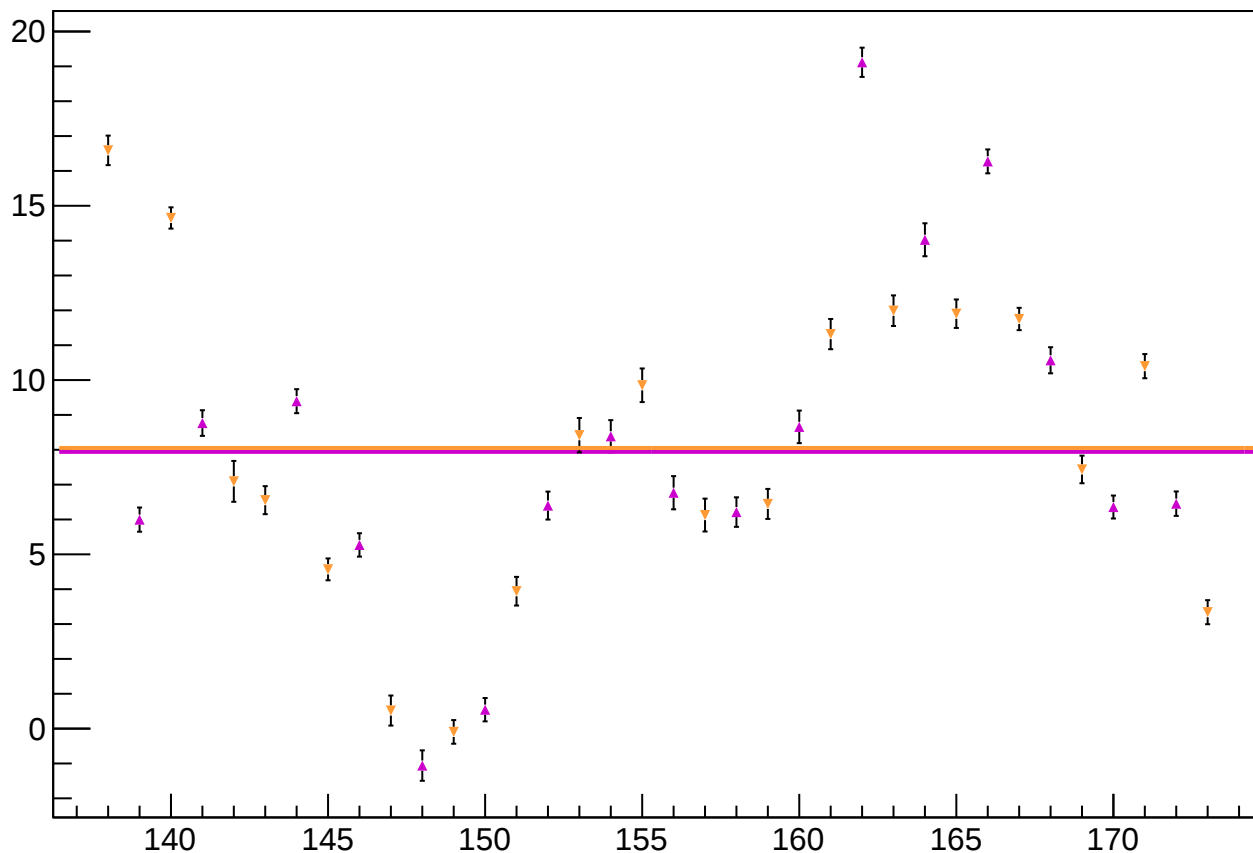
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.147 $\pm$ 0.004 χ^2 /NDF:432.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.149 $\pm$ 0.004 χ^2 /NDF:904.7/16

Left: 0.148 $\pm$ 0.003 χ^2 /NDF: 1337.0/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.149 $\pm$ 0.004 χ^2 /NDF:904.7/16
 Out: 0.147 $\pm$ 0.004 χ^2 /NDF:432.2/18
 All: 0.148 $\pm$ 0.003 χ^2 /NDF: 1337.0/35

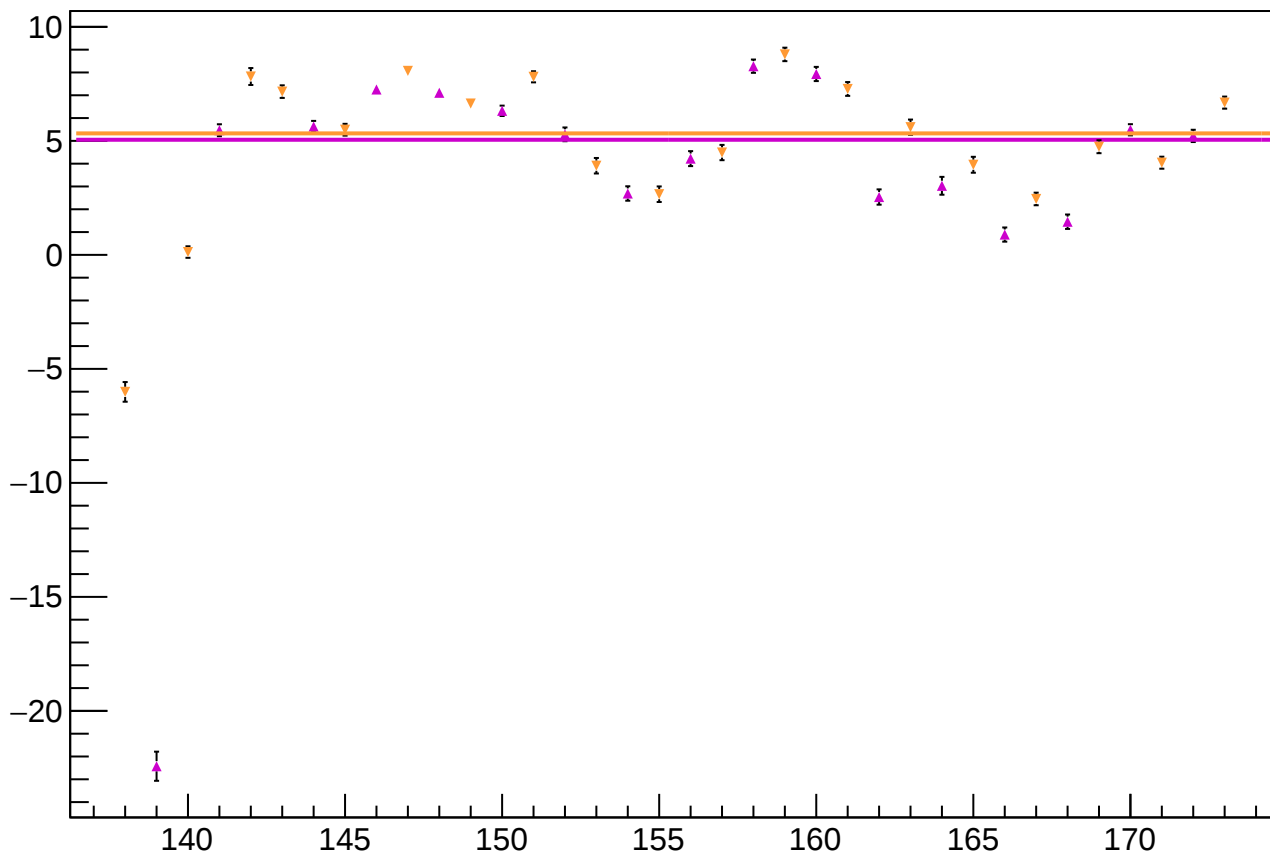
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 8.052 $\pm$ 0.090 χ^2/NDF :2634.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 7.940 $\pm$ 0.093 χ^2/NDF :2626.1/16

Left: 7.998 $\pm$ 0.065 χ^2/NDF : 5261.1/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 7.940 $\pm$ 0.093 χ^2/NDF :2626.1/16
 Out: 8.052 $\pm$ 0.090 χ^2/NDF :2634.3/18
 All: 7.998 $\pm$ 0.065 χ^2/NDF : 5261.1/35

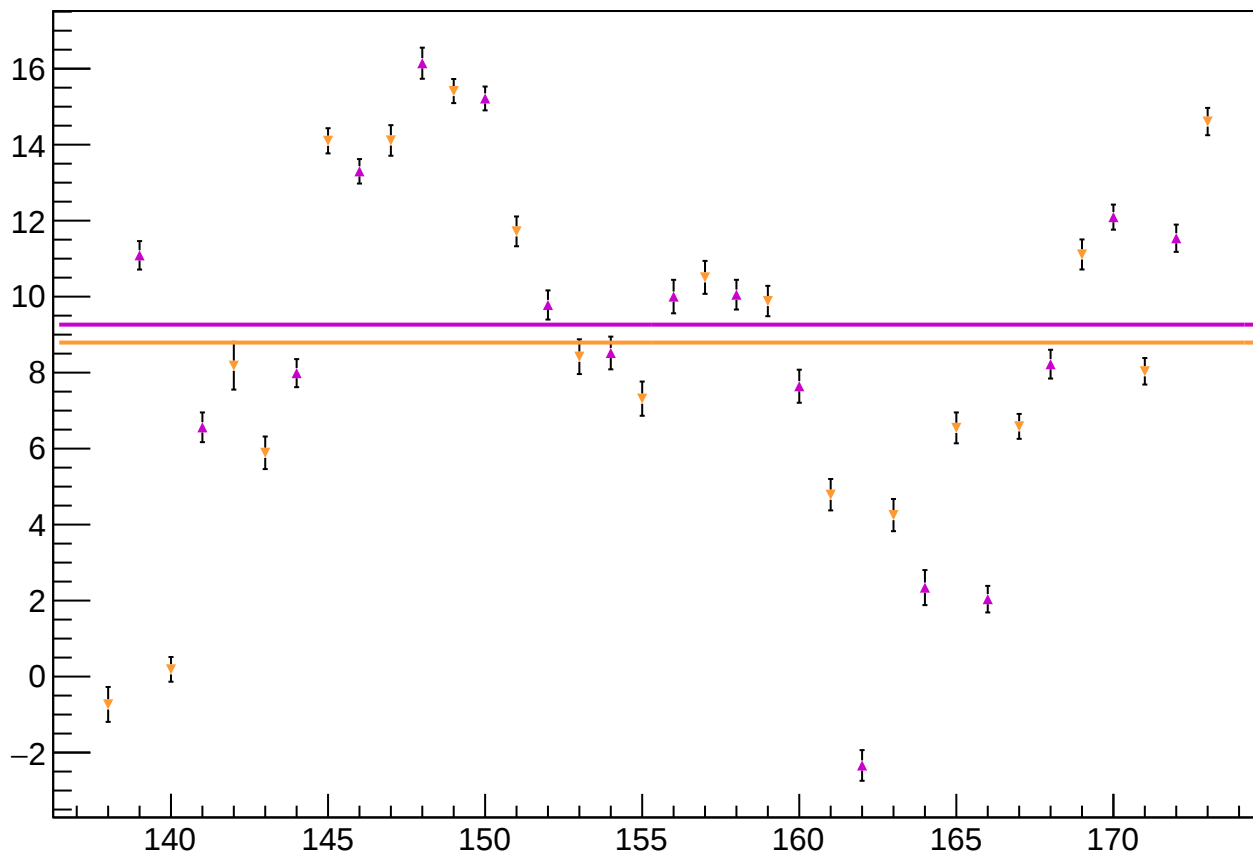
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.328 $\pm$ 0.065 χ^2 /NDF:1959.8/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.048 $\pm$ 0.068 χ^2 /NDF:2751.5/16

Left: 5.195 $\pm$ 0.047 χ^2 /NDF: 4720.1/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.048 $\pm$ 0.068 χ^2 /NDF:2751.5/16
 Out: 5.328 $\pm$ 0.065 χ^2 /NDF:1959.8/18
 All: 5.195 $\pm$ 0.047 χ^2 /NDF: 4720.1/35

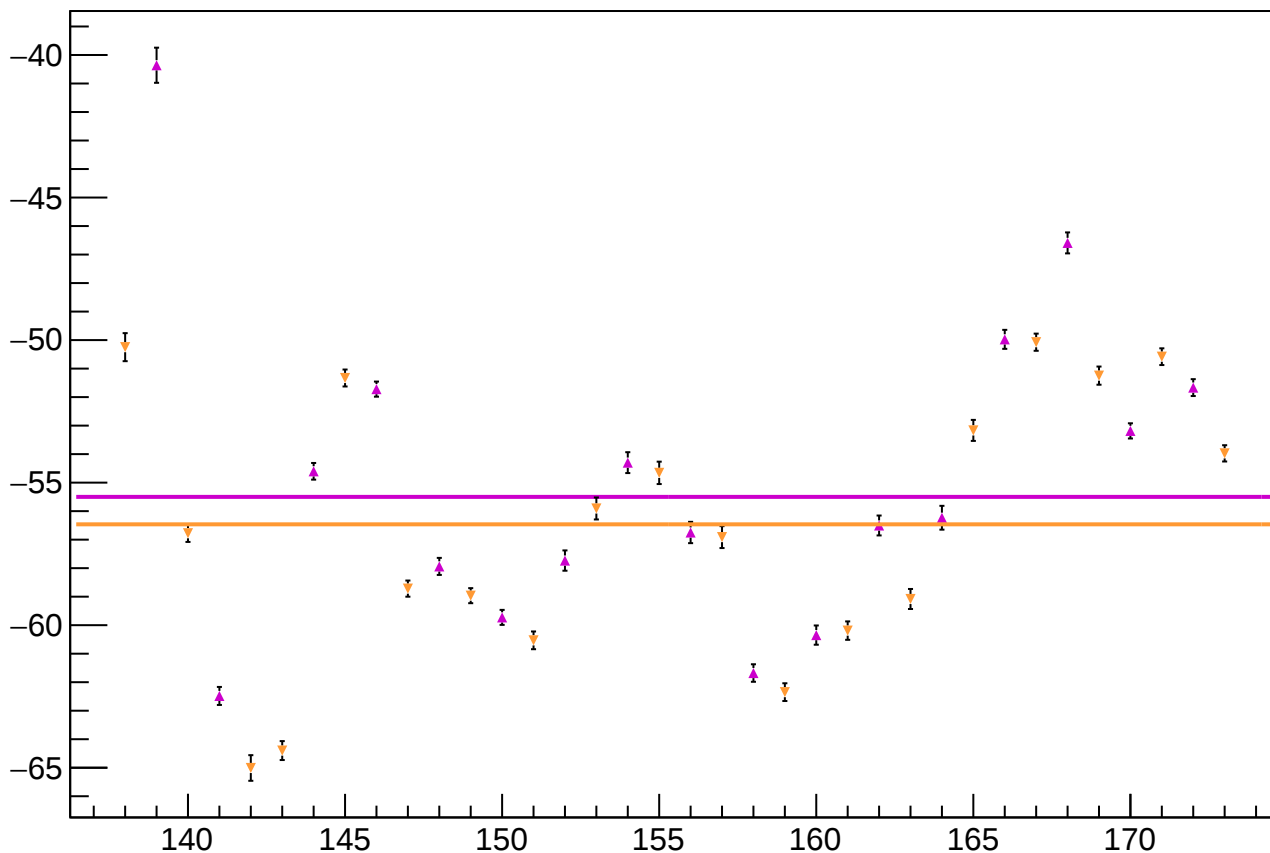
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.791+/-0.090 χ^2/NDF :2718.3/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.263+/-0.092 χ^2/NDF :2509.0/16

Left: 9.022+/-0.064 χ^2/NDF : 5240.8/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.263+/-0.092 χ^2/NDF :2509.0/16
 Out: 8.791+/-0.090 χ^2/NDF :2718.3/18
 All: 9.022+/-0.064 χ^2/NDF : 5240.8/35

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: -56.462+/-0.075 χ^2/NDF :3564.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -55.500+/-0.079 χ^2/NDF :3418.4/16

Left: -56.003+/-0.054 χ^2/NDF : 7061.9/35

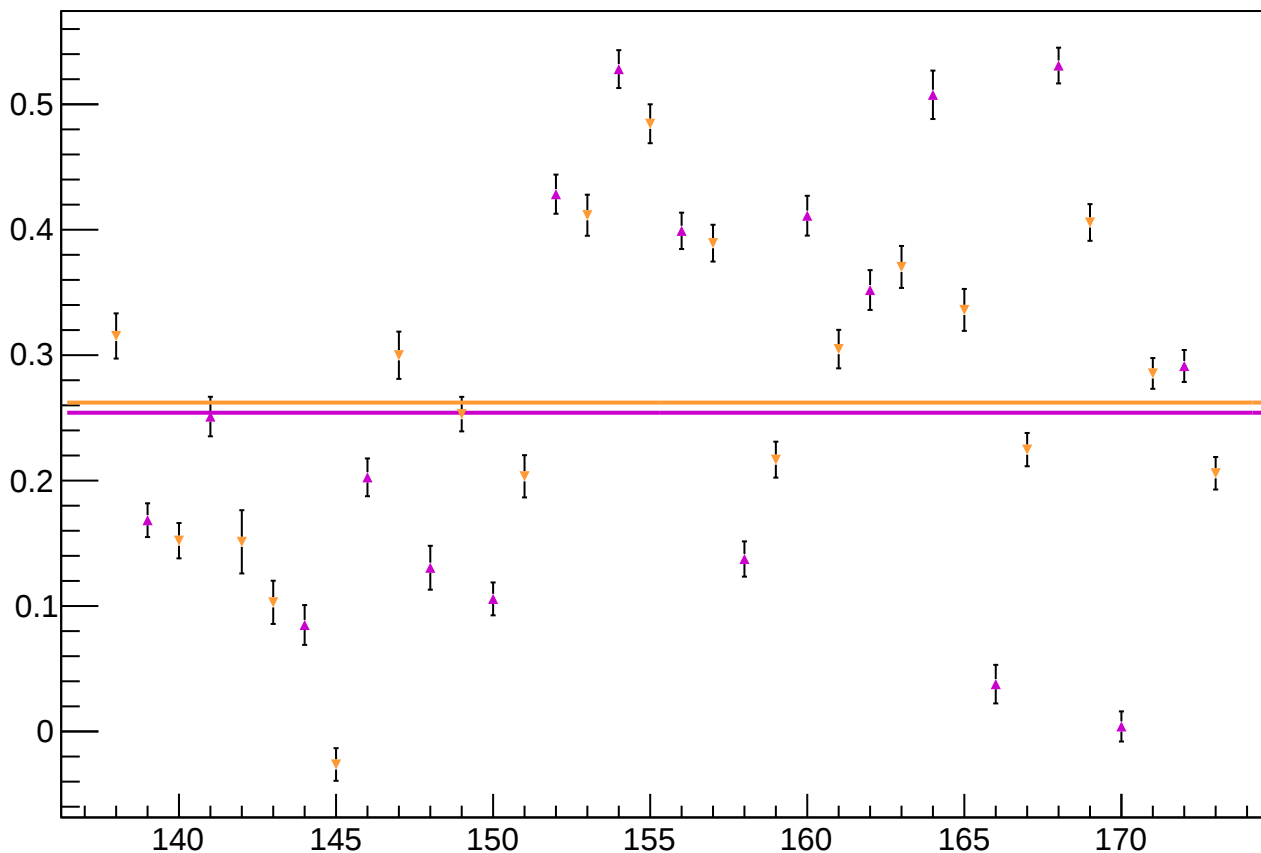
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -55.500+/-0.079 χ^2/NDF :3418.4/16

Out: -56.462+/-0.075 χ^2/NDF :3564.9/18

All: -56.003+/-0.054 χ^2/NDF : 7061.9/35

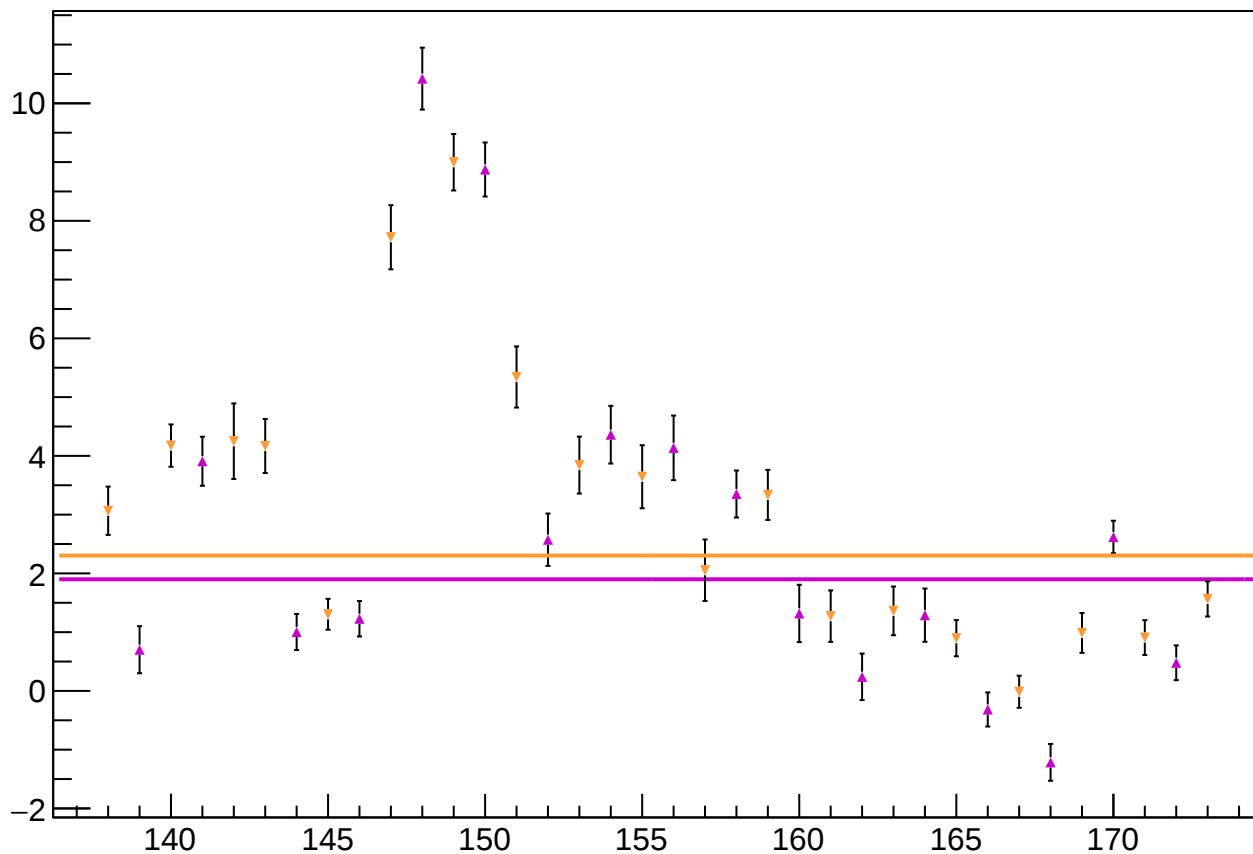
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.262 $\pm$ 0.003 χ^2 /NDF:1252.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.254 $\pm$ 0.004 χ^2 /NDF:2293.4/16

Left: 0.258 $\pm$ 0.002 χ^2 /NDF: 3548.6/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.254 $\pm$ 0.004 χ^2 /NDF:2293.4/16
 Out: 0.262 $\pm$ 0.003 χ^2 /NDF:1252.6/18
 All: 0.258 $\pm$ 0.002 χ^2 /NDF: 3548.6/35

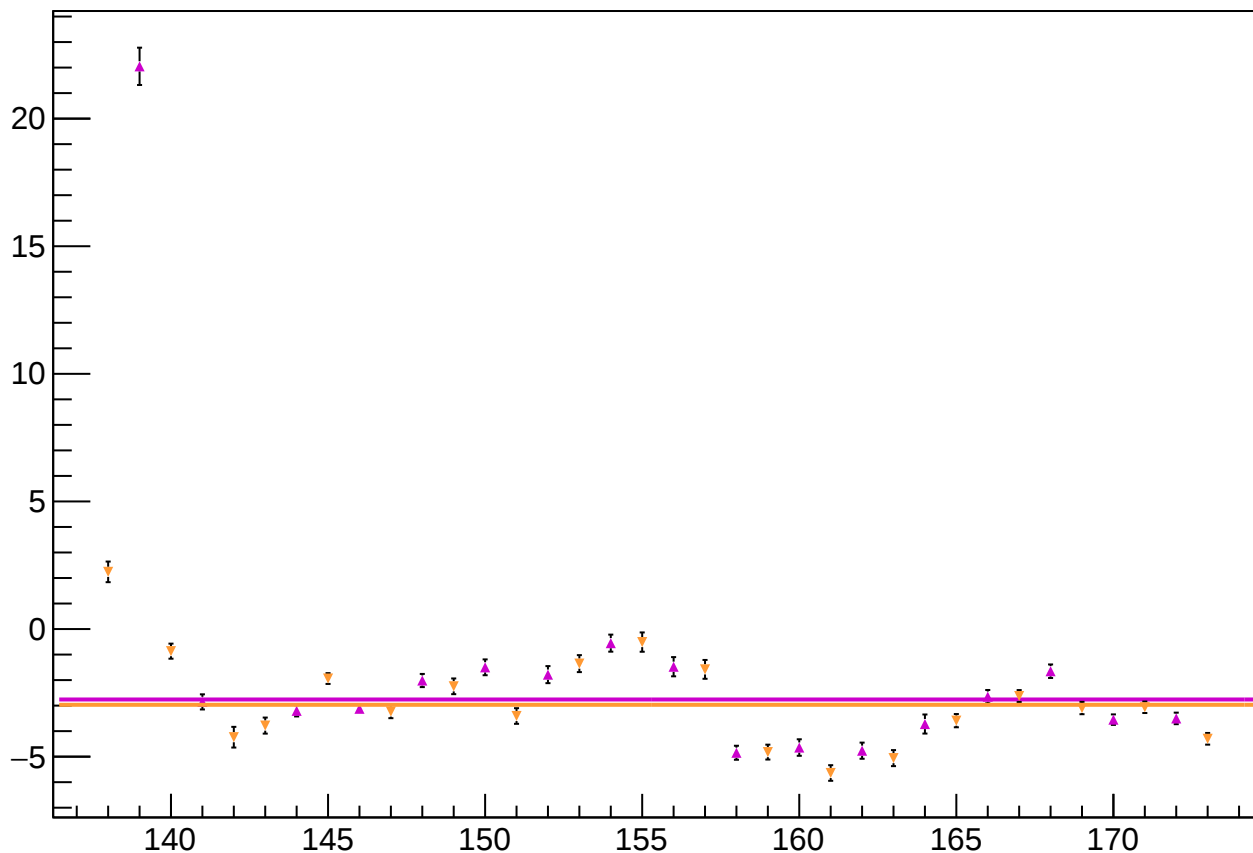
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.303 $\pm$ 0.088 χ^2 /NDF:566.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.900 $\pm$ 0.090 χ^2 /NDF:802.4/16

Left: 2.107 $\pm$ 0.063 χ^2 /NDF: 1378.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.900 $\pm$ 0.090 χ^2 /NDF:802.4/16
 Out: 2.303 $\pm$ 0.088 χ^2 /NDF:566.2/18
 All: 2.107 $\pm$ 0.063 χ^2 /NDF: 1378.8/35

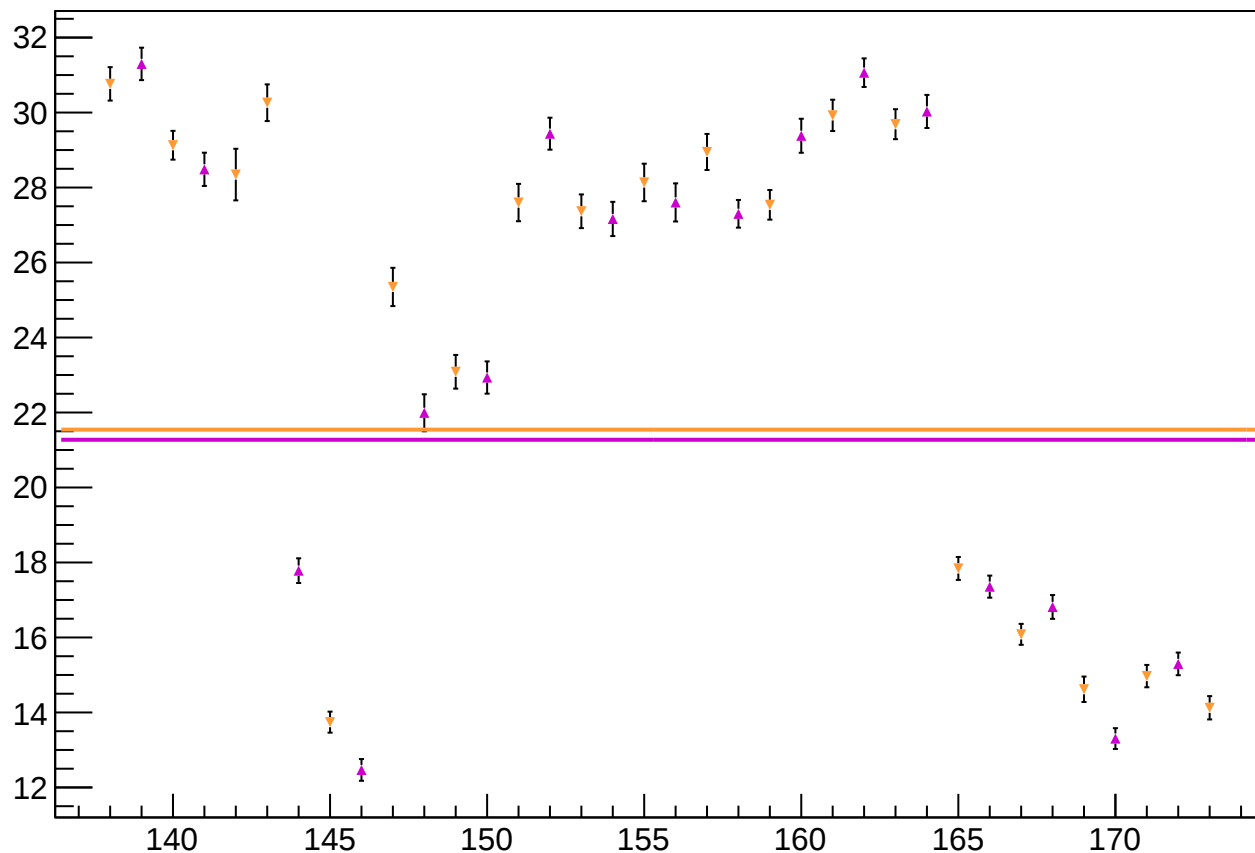
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.968+/-0.065 χ^2/NDF : 548.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.760+/-0.067 χ^2/NDF : 1429.8/16

Left: -2.867+/-0.047 χ^2/NDF : 1983.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.760+/-0.067 χ^2/NDF : 1429.8/16
 Out: -2.968+/-0.065 χ^2/NDF : 548.7/18
 All: -2.867+/-0.047 χ^2/NDF : 1983.5/35

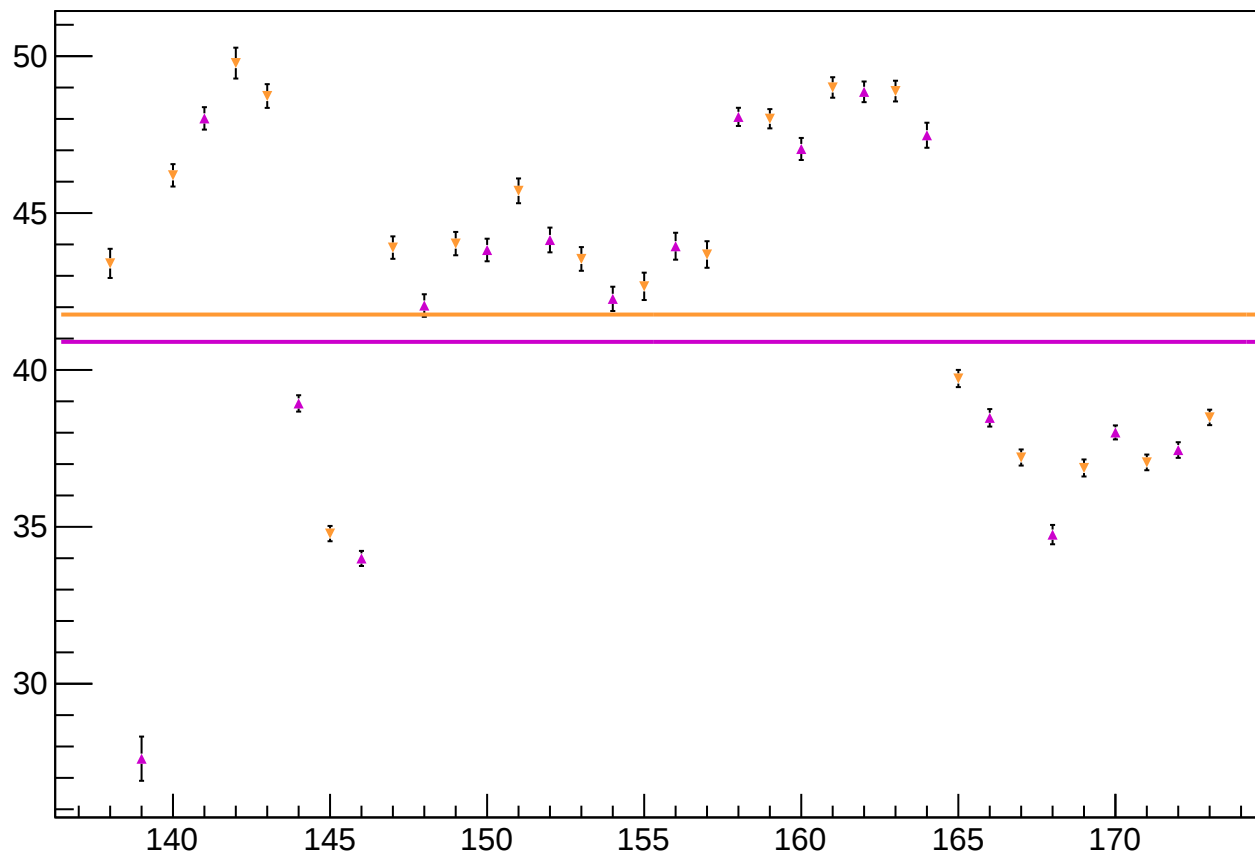
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.544+/-0.088 χ^2/NDF :5848.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 21.273+/-0.089 χ^2/NDF :5773.0/16

Left: 21.411+/-0.063 χ^2/NDF : 11626.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 21.273+/-0.089 χ^2/NDF :5773.0/16
 Out: 21.544+/-0.088 χ^2/NDF :5848.9/18
 All: 21.411+/-0.063 χ^2/NDF : 11626.5/35

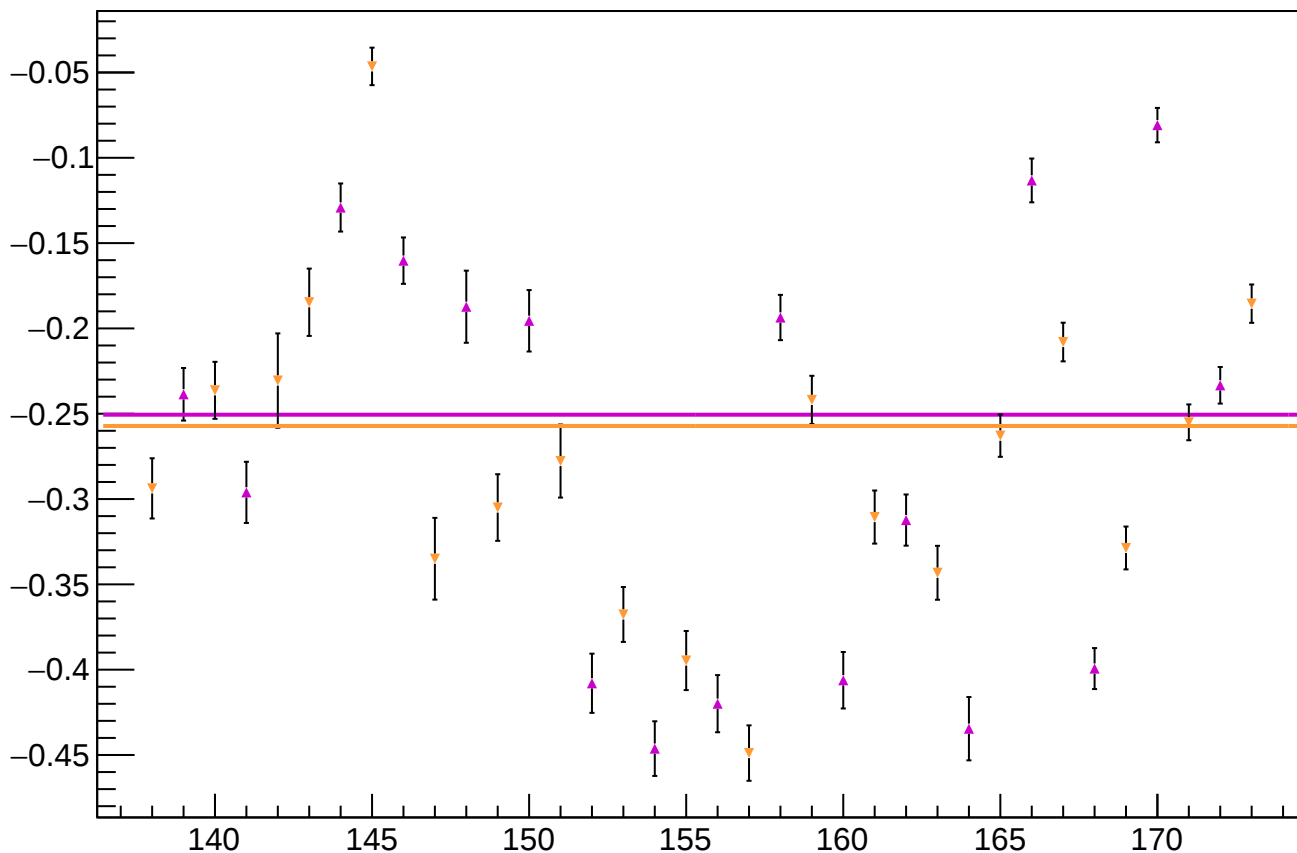
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 41.766+/-0.074 χ^2/NDF :4405.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 40.895+/-0.076 χ^2/NDF :4447.3/16

Left: 41.346+/-0.053 χ^2/NDF : 8919.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 40.895+/-0.076 χ^2/NDF :4447.3/16
 Out: 41.766+/-0.074 χ^2/NDF :4405.0/18
 All: 41.346+/-0.053 χ^2/NDF : 8919.4/35

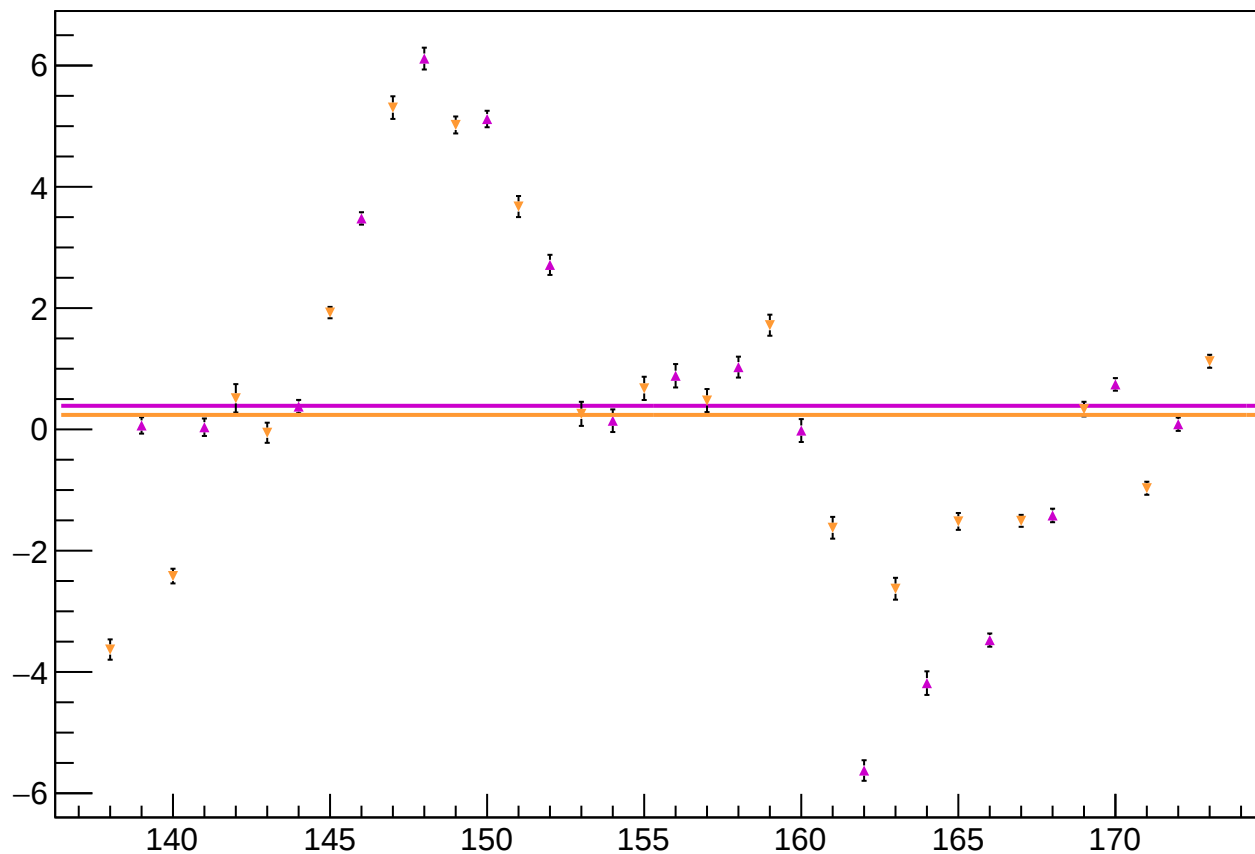
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.257 $\pm$ 0.003 χ^2 /NDF:790.0/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.251 $\pm$ 0.003 χ^2 /NDF:1253.7/16

Left: -0.254 $\pm$ 0.002 χ^2 /NDF: 2045.5/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.251 $\pm$ 0.003 χ^2 /NDF:1253.7/16
 Out: -0.257 $\pm$ 0.003 χ^2 /NDF:790.0/18
 All: -0.254 $\pm$ 0.002 χ^2 /NDF: 2045.5/35

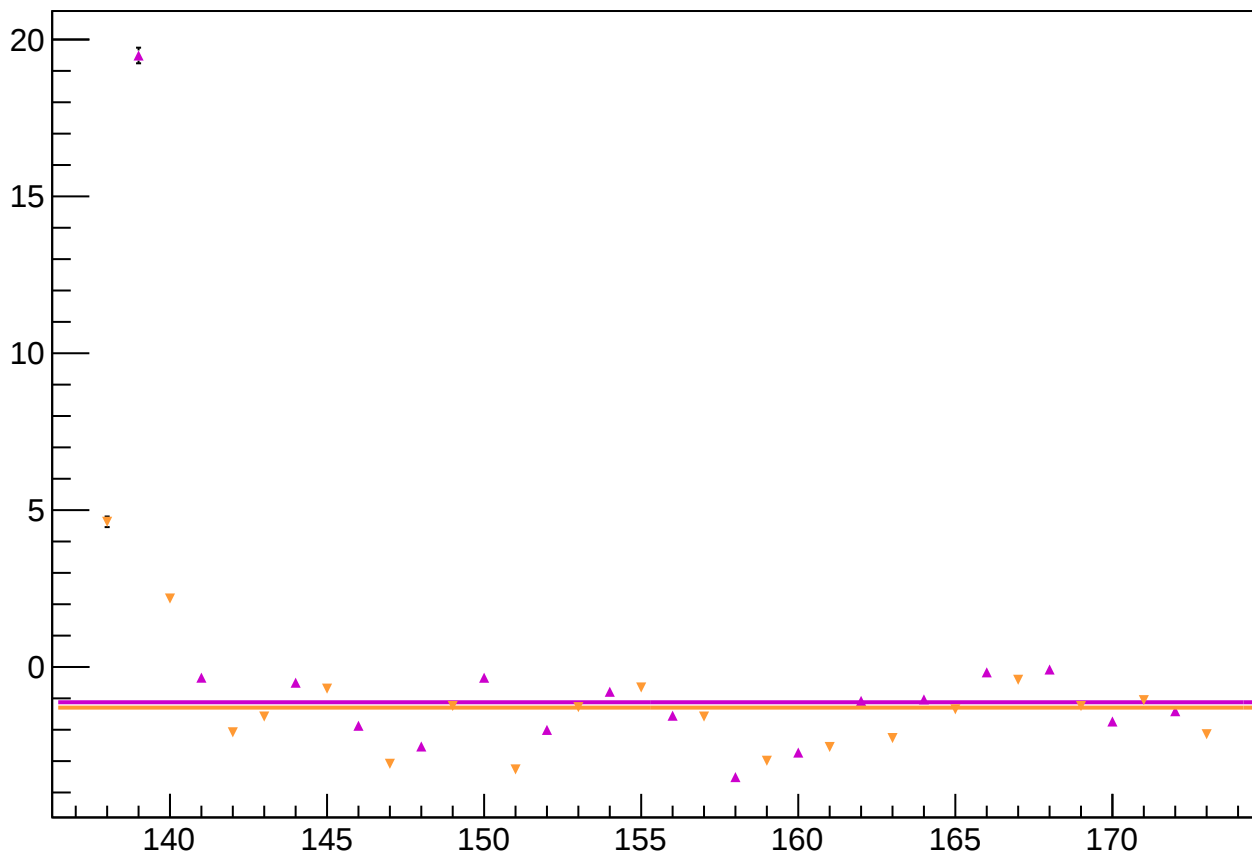
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.239+/-0.032 χ^2/NDF : 4744.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.389+/-0.033 χ^2/NDF : 6717.8/16

Left: 0.313+/-0.023 χ^2/NDF : 11472.8/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.389+/-0.033 χ^2/NDF : 6717.8/16
 Out: 0.239+/-0.032 χ^2/NDF : 4744.4/18
 All: 0.313+/-0.023 χ^2/NDF : 11472.8/35

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



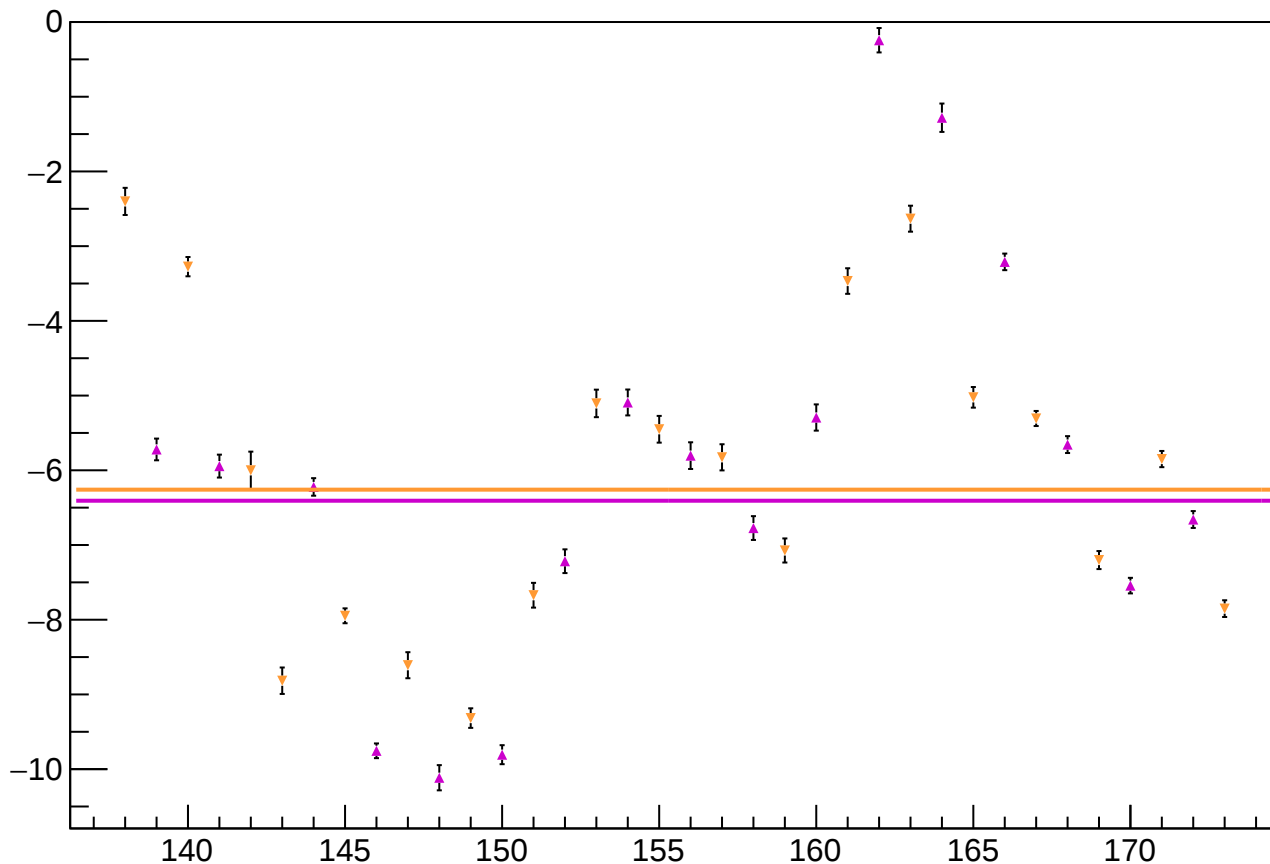
Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -1.295 ± 0.024 χ^2/NDF : 3900.3/18
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -1.124 ± 0.024 χ^2/NDF : 8340.2/16

Left: -1.212 ± 0.017 χ^2/NDF : 12265.6/35
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -1.124 ± 0.024 χ^2/NDF : 8340.2/16
 Out: -1.295 ± 0.024 χ^2/NDF : 3900.3/18

All: -1.212 ± 0.017 χ^2/NDF : 12265.6/35

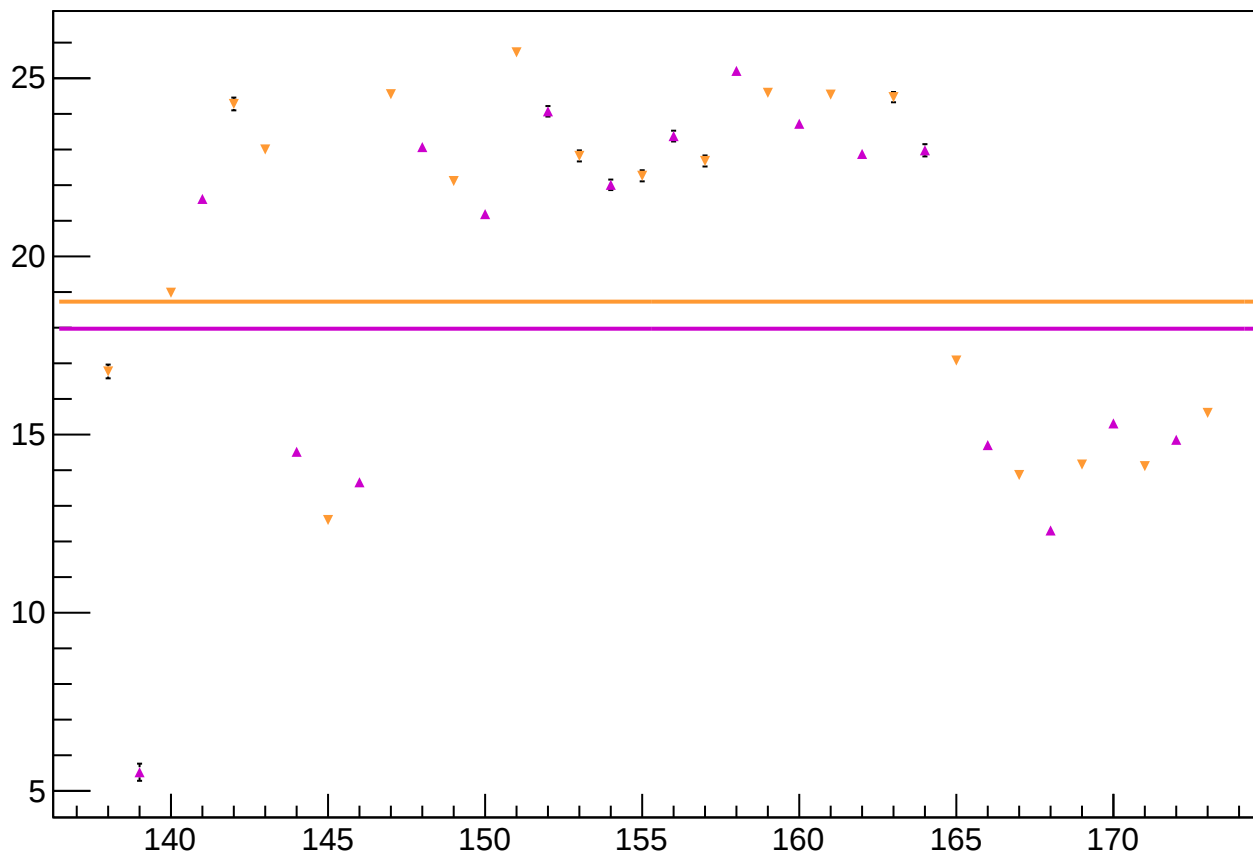
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.259 $\pm$ 0.032 χ^2 /NDF:3522.8/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.407 $\pm$ 0.033 χ^2 /NDF:5680.2/16

Left: -6.333 $\pm$ 0.023 χ^2 /NDF: 9213.3/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.407 $\pm$ 0.033 χ^2 /NDF:5680.2/16
 Out: -6.259 $\pm$ 0.032 χ^2 /NDF:3522.8/18
 All: -6.333 $\pm$ 0.023 χ^2 /NDF: 9213.3/35

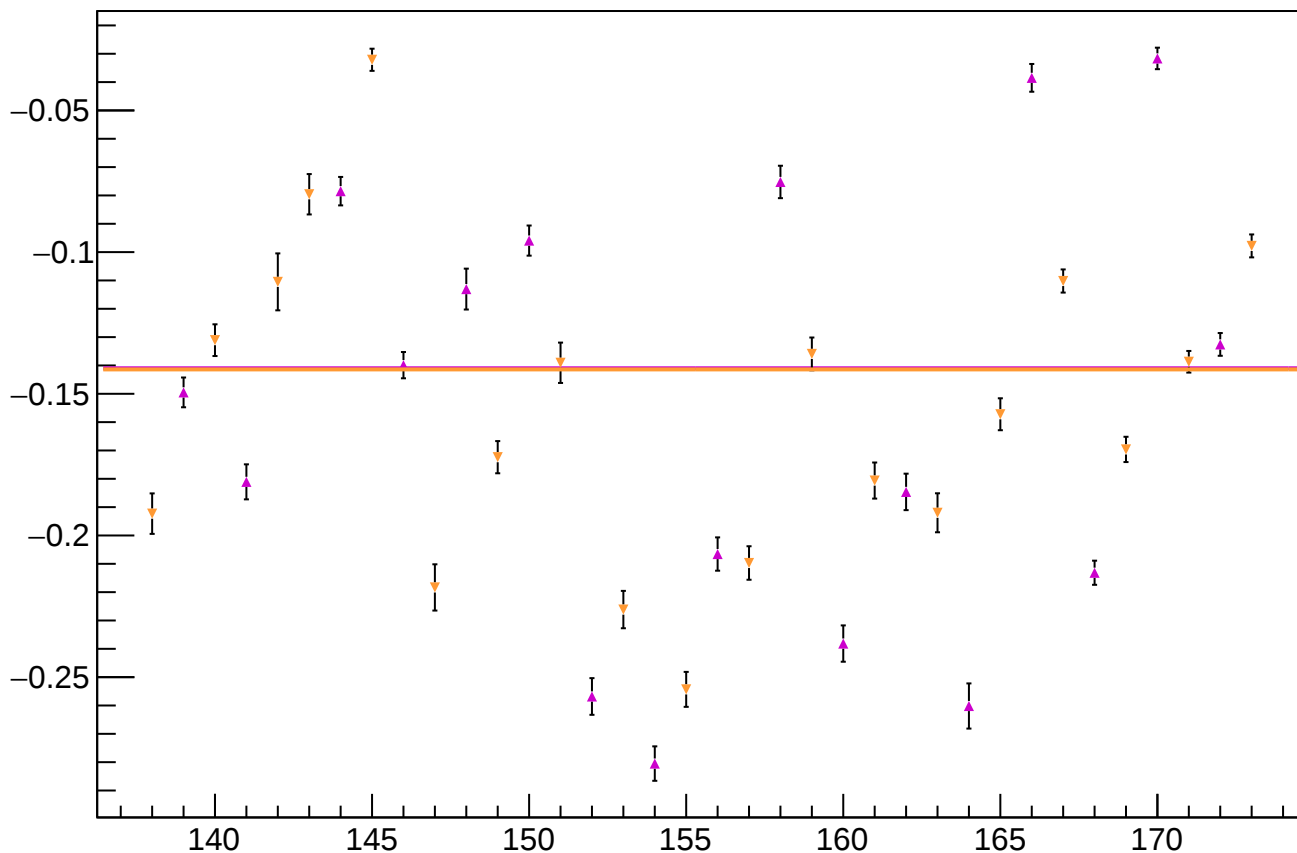
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 18.731+/-0.027 χ^2/NDF :29402.3/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 17.971+/-0.028 χ^2/NDF :26949.2/16

Left: 18.362+/-0.020 χ^2/NDF : 56727.7/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 17.971+/-0.028 χ^2/NDF :26949.2/16
 Out: 18.731+/-0.027 χ^2/NDF :29402.3/18
 All: 18.362+/-0.020 χ^2/NDF : 56727.7/35

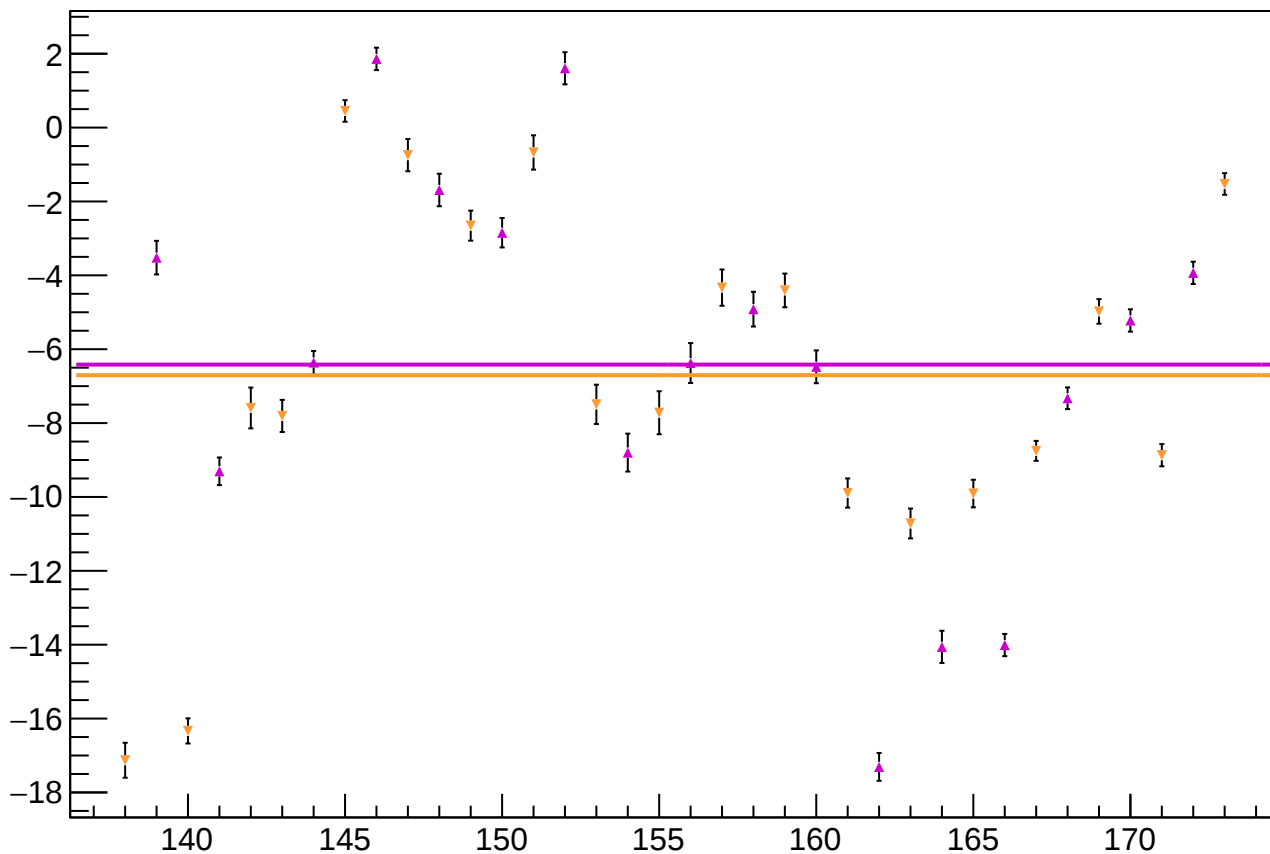
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.141+/-0.001 χ^2/NDF :1989.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.141+/-0.001 χ^2/NDF :3448.9/16

Left: -0.141+/-0.001 χ^2/NDF : 5438.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.141+/-0.001 χ^2/NDF :3448.9/16
 Out: -0.141+/-0.001 χ^2/NDF :1989.0/18
 All: -0.141+/-0.001 χ^2/NDF : 5438.0/35

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.703 $\pm$ 0.088 χ^2 /NDF:3091.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.417 $\pm$ 0.090 χ^2 /NDF:3282.6/16

Left: -6.564 $\pm$ 0.063 χ^2 /NDF: 6379.4/35

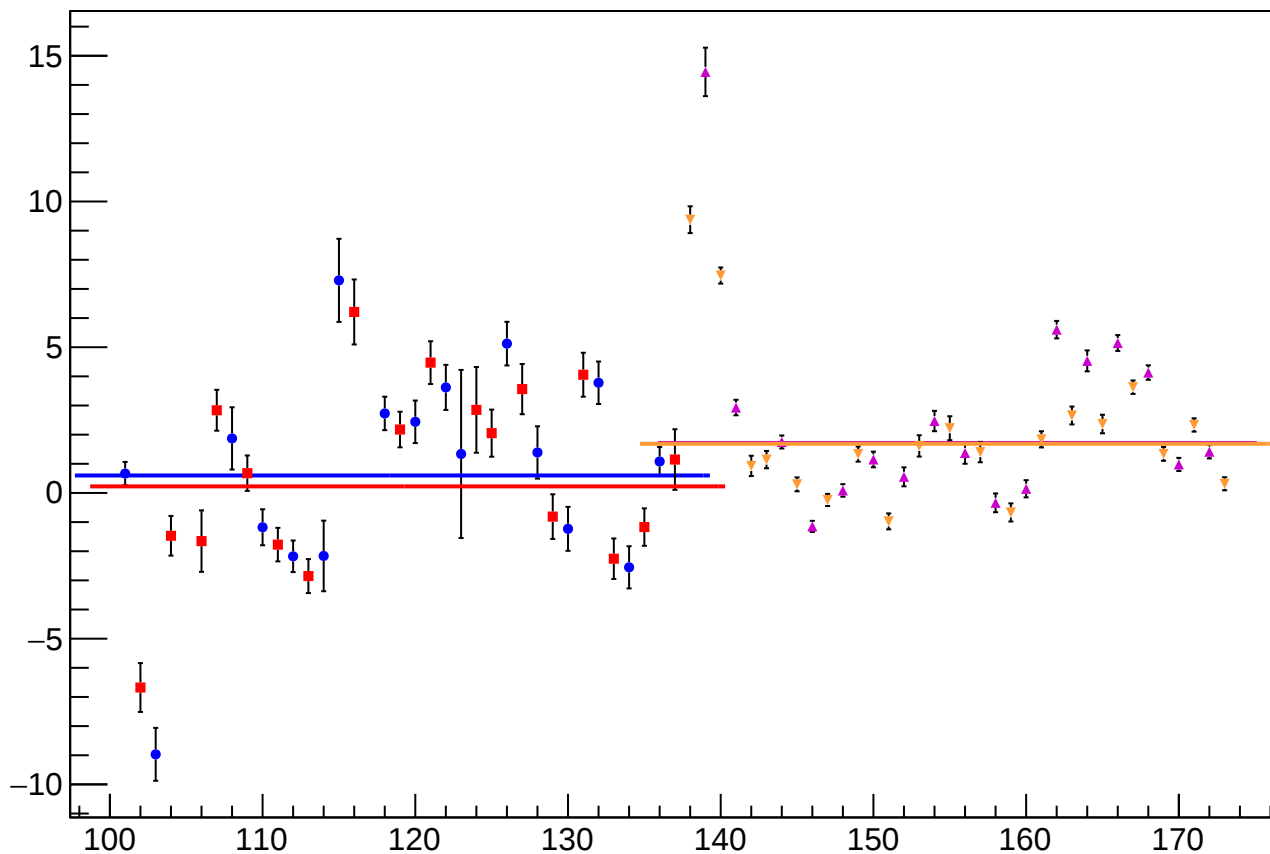
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -6.417 $\pm$ 0.090 χ^2 /NDF:3282.6/16

Out: -6.703 $\pm$ 0.088 χ^2 /NDF:3091.7/18

All: -6.564 $\pm$ 0.063 χ^2 /NDF: 6379.4/35

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.600 ± 0.169 χ^2/NDF : 291.9/16

Left Out: 1.687 ± 0.064 χ^2/NDF : 1133.9/18

Right Out: 0.225 ± 0.175 χ^2/NDF : 273.2/17

Left In: 1.715 ± 0.066 χ^2/NDF : 1124.0/16

Left: 1.701 ± 0.046 χ^2/NDF : 2258.0/35

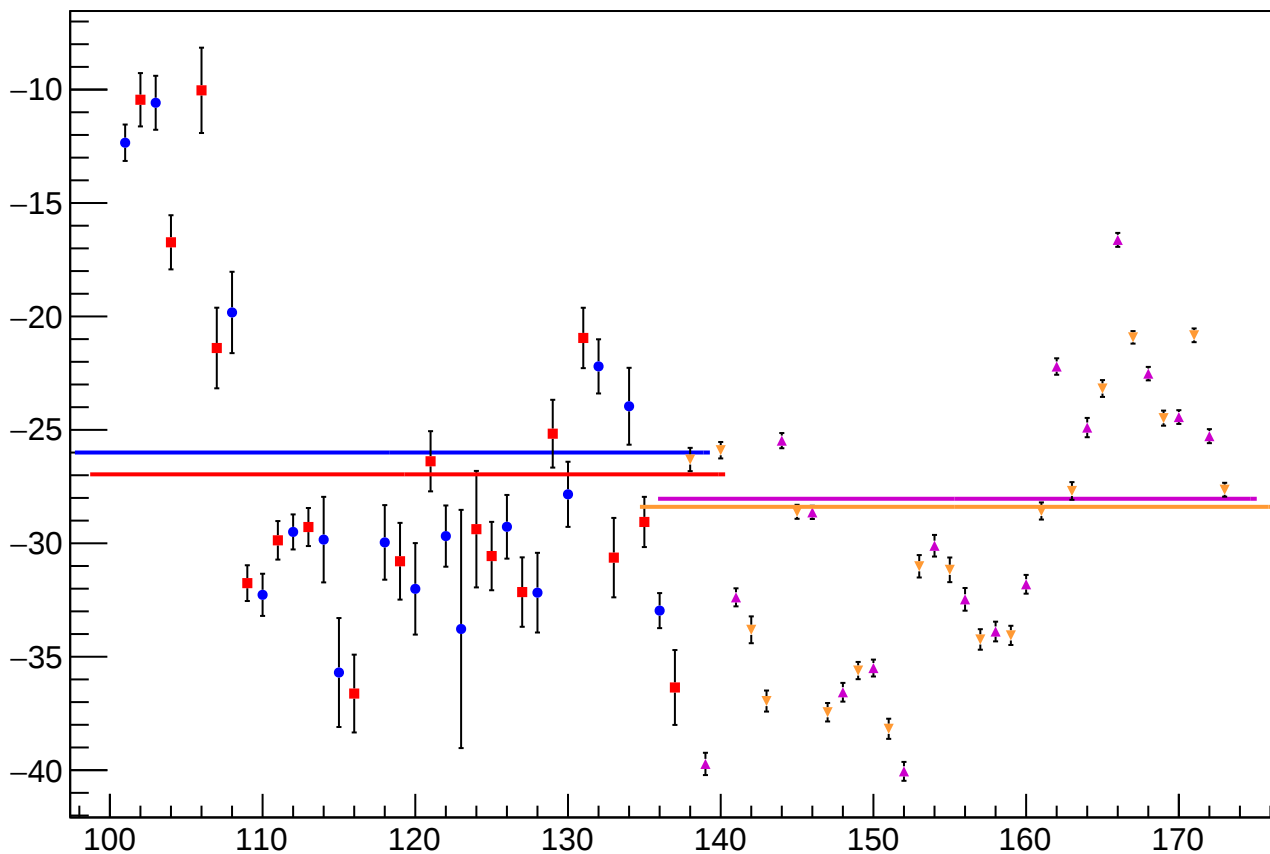
Right: 0.418 ± 0.122 χ^2/NDF : 567.5/34

In: 1.569 ± 0.061 χ^2/NDF : 1453.7/33

Out: 1.516 ± 0.060 χ^2/NDF : 1468.9/36

All: 1.542 ± 0.043 χ^2/NDF : 2922.9/70

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.998 ± 0.300 χ^2/NDF : 692.6/16

Left Out: -28.392 ± 0.088 χ^2/NDF : 3933.9/18

Right Out: -26.960 ± 0.298 χ^2/NDF : 535.4/17

Left In: -28.037 ± 0.089 χ^2/NDF : 5030.6/16

Left: -28.217 ± 0.062 χ^2/NDF : 8972.6/35

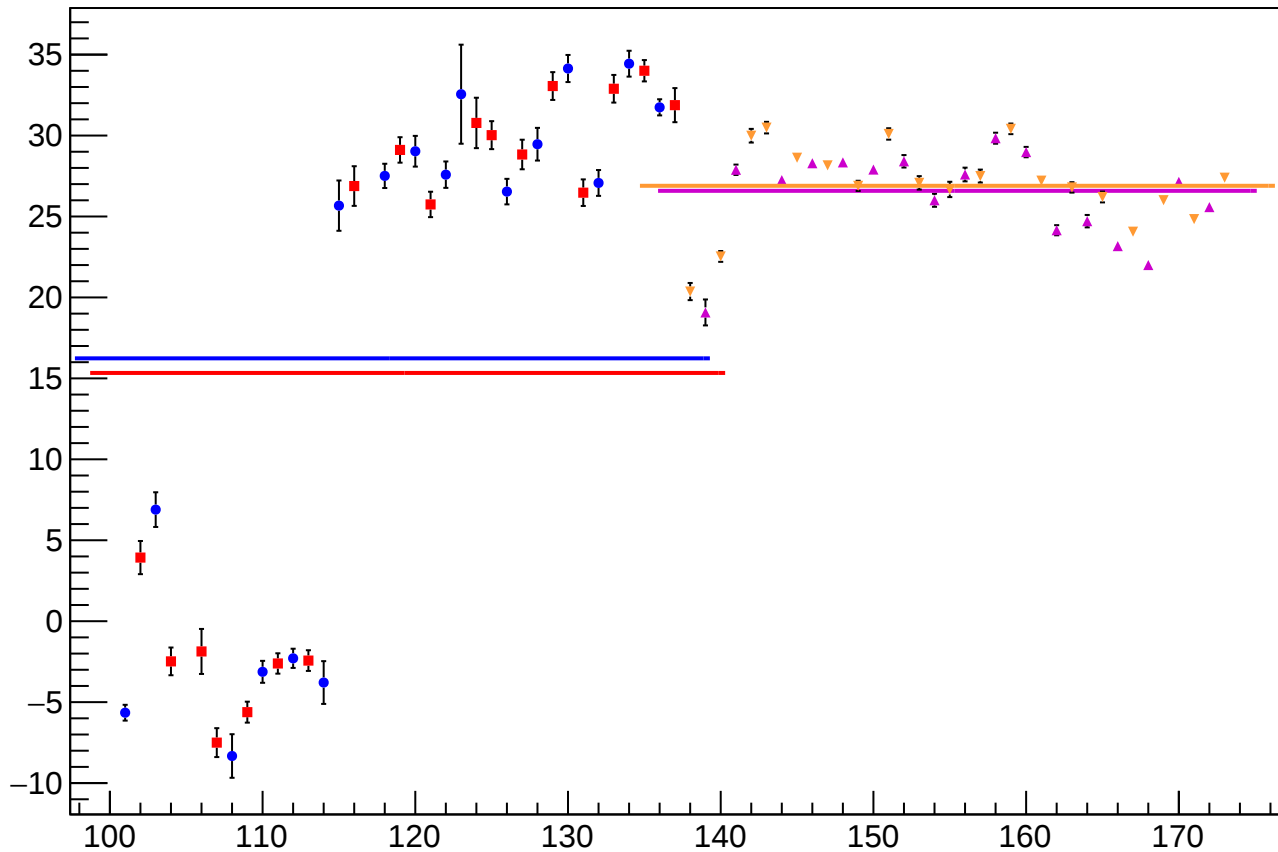
Right: -26.482 ± 0.212 χ^2/NDF : 1233.2/34

In: -27.872 ± 0.085 χ^2/NDF : 5765.6/33

Out: -28.278 ± 0.084 χ^2/NDF : 4490.5/36

All: -28.078 ± 0.060 χ^2/NDF : 10267.7/70

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.237 $\pm$ 0.191 χ^2 /NDF: 7579.9/16

Left Out: 26.897 $\pm$ 0.073 χ^2 /NDF: 948.3/18

Right Out: 15.335 $\pm$ 0.197 χ^2 /NDF: 7259.7/17

Left In: 26.585 $\pm$ 0.076 χ^2 /NDF: 885.6/16

Left: 26.747 $\pm$ 0.053 χ^2 /NDF: 1842.6/35

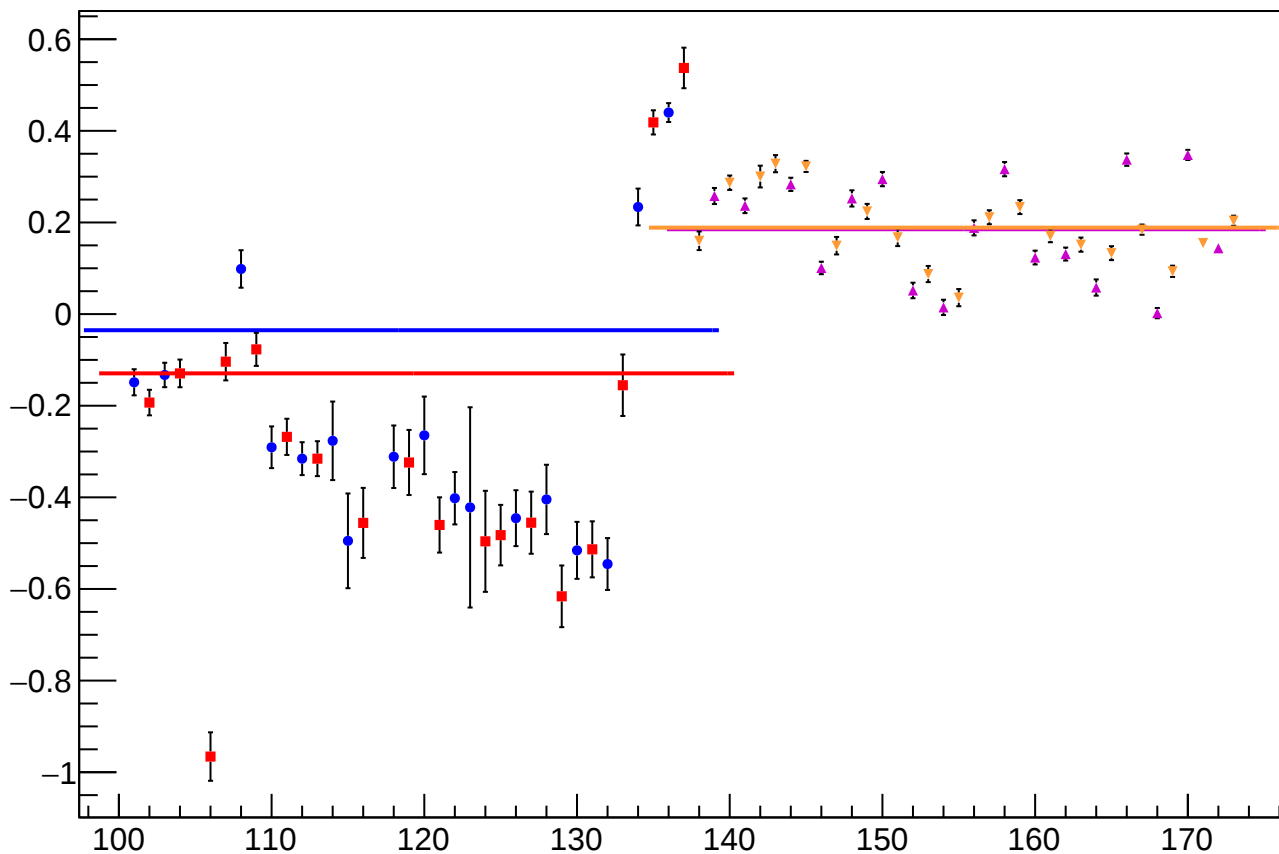
Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14850.4/34

In: 25.184 $\pm$ 0.070 χ^2 /NDF: 10993.3/33

Out: 25.502 $\pm$ 0.068 χ^2 /NDF: 11232.0/36

All: 25.347 $\pm$ 0.049 χ^2 /NDF: 22235.8/70

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 χ^2/NDF : 1013.6/16

Left Out: 0.189 ± 0.003 χ^2/NDF : 452.8/18

Right Out: -0.129 ± 0.010 χ^2/NDF : 1161.5/17

Left In: 0.185 ± 0.003 χ^2/NDF : 1117.4/16

Left: 0.187 ± 0.002 χ^2/NDF : 1570.7/35

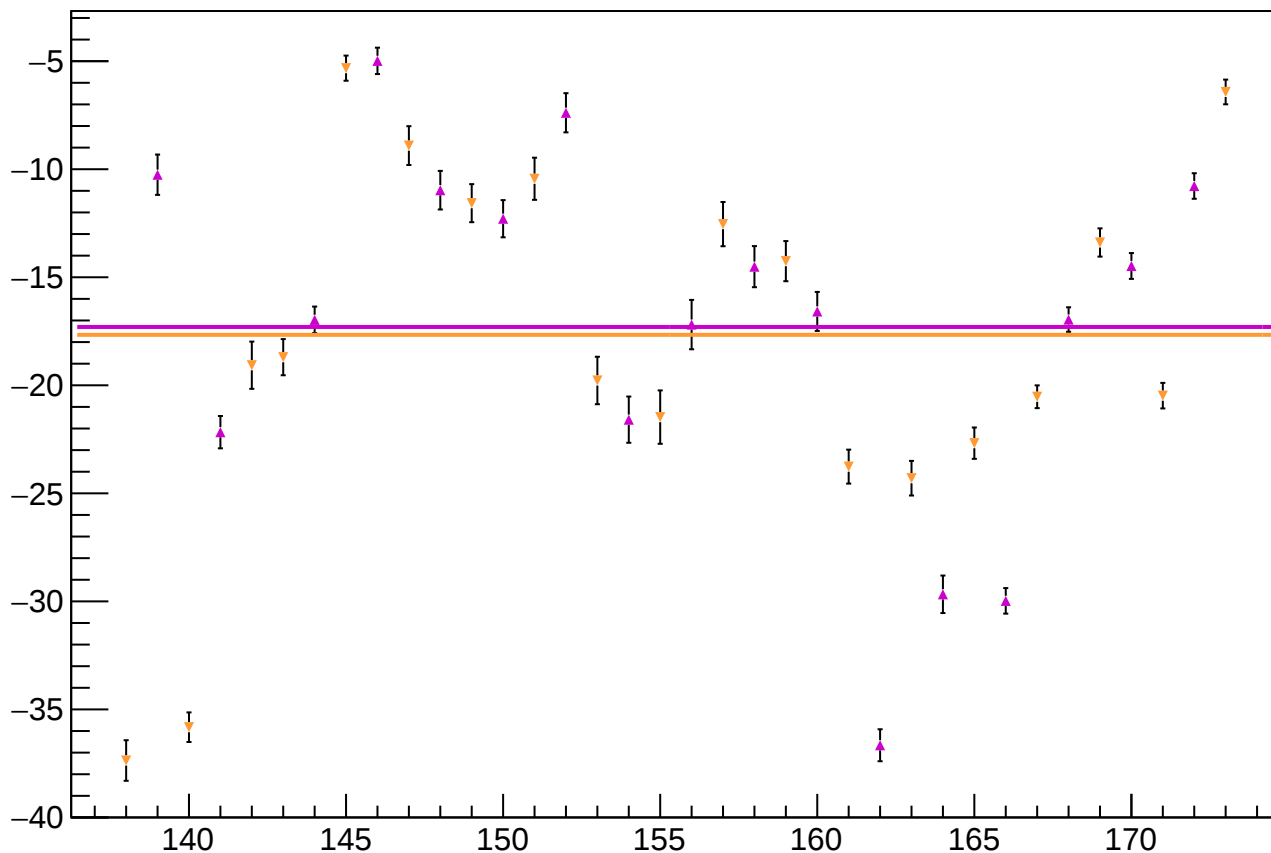
Right: -0.082 ± 0.007 χ^2/NDF : 2216.5/34

In: 0.163 ± 0.003 χ^2/NDF : 2540.1/33

Out: 0.158 ± 0.003 χ^2/NDF : 2461.7/36

All: 0.160 ± 0.002 χ^2/NDF : 5002.6/70

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: -17.664+/-0.175 χ^2/NDF :2504.7/18

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

Left In: -17.300+/-0.180 χ^2/NDF :2225.6/16

Left: -17.487+/-0.126 χ^2/NDF : 4732.3/35

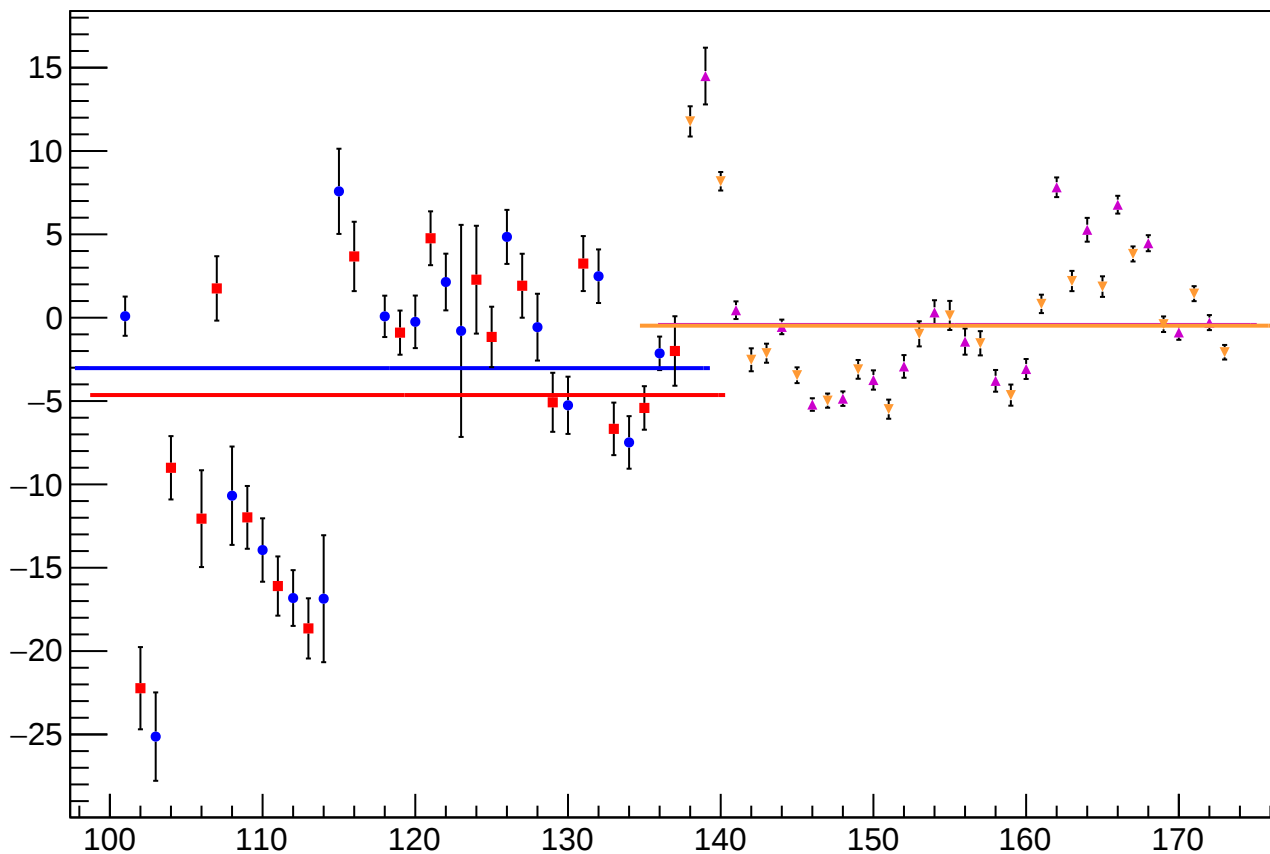
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.300+/-0.180 χ^2/NDF :2225.6/16

Out: -17.664+/-0.175 χ^2/NDF :2504.7/18

All: -17.487+/-0.126 χ^2/NDF : 4732.3/35

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.025 ± 0.408 χ^2/NDF : 280.6/16

Left Out: -0.478 ± 0.127 χ^2/NDF : 900.3/18

Right Out: -4.640 ± 0.427 χ^2/NDF : 294.9/17

Left In: -0.435 ± 0.131 χ^2/NDF : 985.1/16

Left: -0.457 ± 0.092 χ^2/NDF : 1885.5/35

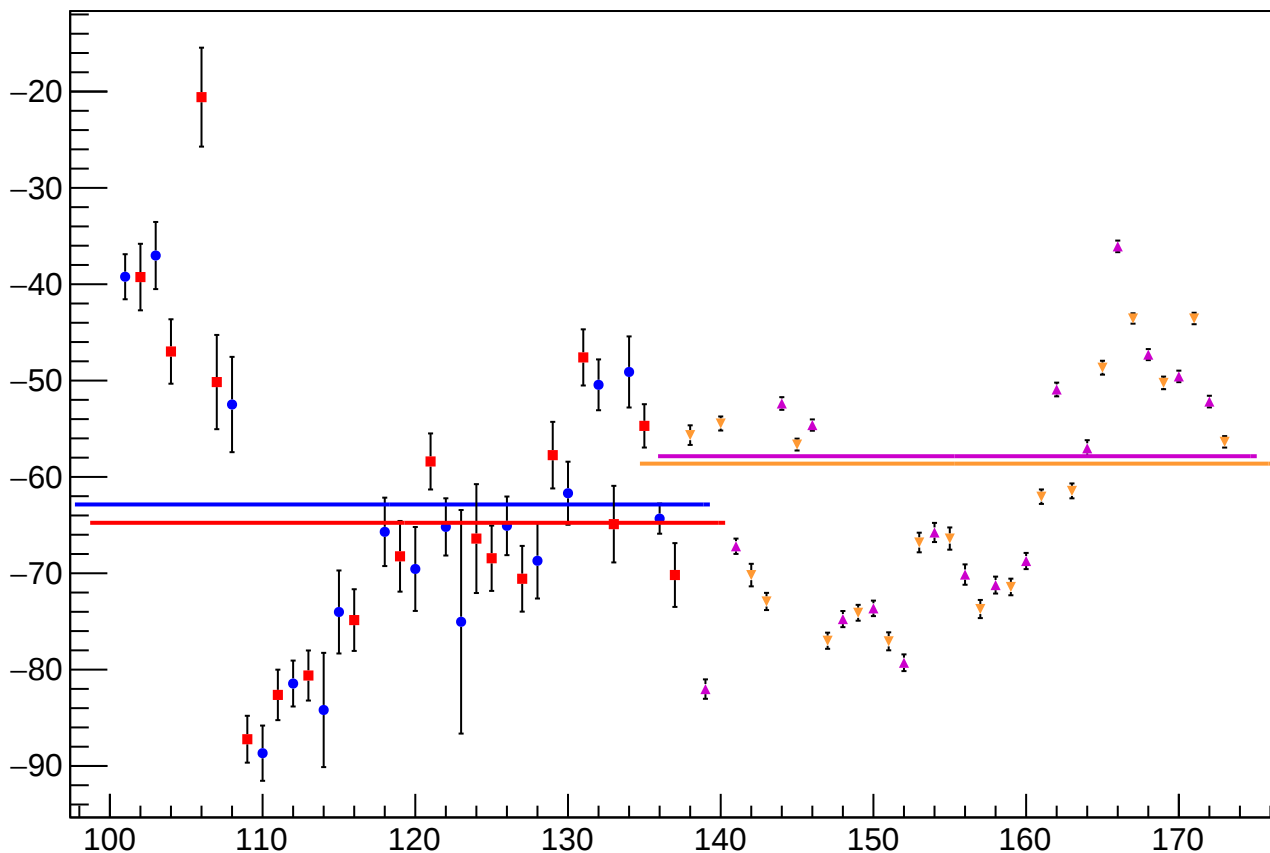
Right: -3.797 ± 0.295 χ^2/NDF : 583.0/34

In: -0.679 ± 0.125 χ^2/NDF : 1302.3/33

Out: -0.819 ± 0.122 χ^2/NDF : 1282.5/36

All: -0.751 ± 0.087 χ^2/NDF : 2585.4/70

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.858 ± 0.739 χ^2/NDF : 367.7/16

Left Out: -58.621 ± 0.175 χ^2/NDF : 4043.1/18

Right Out: -64.761 ± 0.753 χ^2/NDF : 416.1/17

Left In: -57.850 ± 0.179 χ^2/NDF : 4830.9/16

Left: -58.242 ± 0.125 χ^2/NDF : 8883.4/35

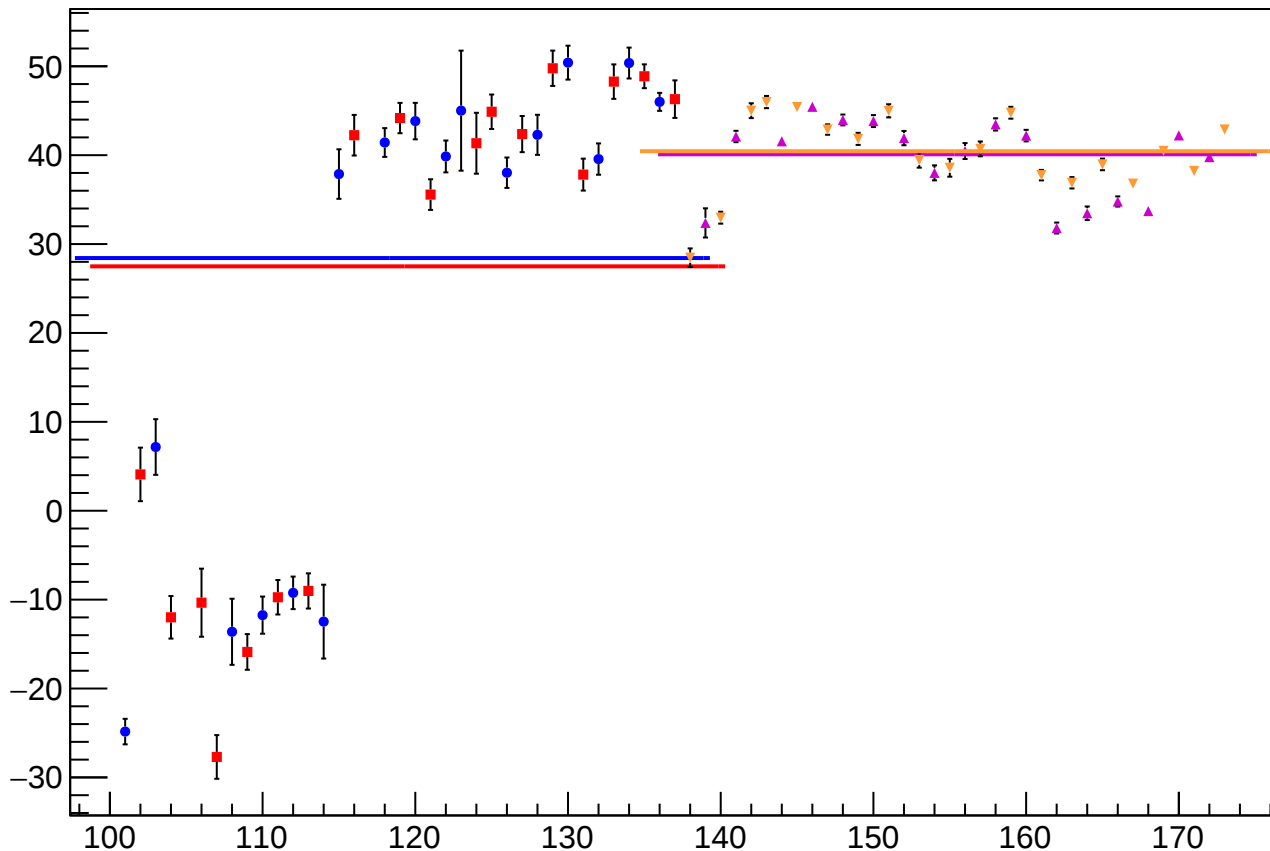
Right: -63.792 ± 0.527 χ^2/NDF : 787.1/34

In: -58.126 ± 0.174 χ^2/NDF : 5242.0/33

Out: -58.937 ± 0.171 χ^2/NDF : 4522.3/36

All: -58.538 ± 0.122 χ^2/NDF : 9775.4/70

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.426 ± 0.458 χ^2/NDF : 3322.4/16

Left Out: 40.447 ± 0.146 χ^2/NDF : 695.9/18

Right Out: 27.493 ± 0.479 χ^2/NDF : 3027.8/17

Left In: 40.099 ± 0.152 χ^2/NDF : 776.9/16

Left: 40.279 ± 0.105 χ^2/NDF : 1475.5/35

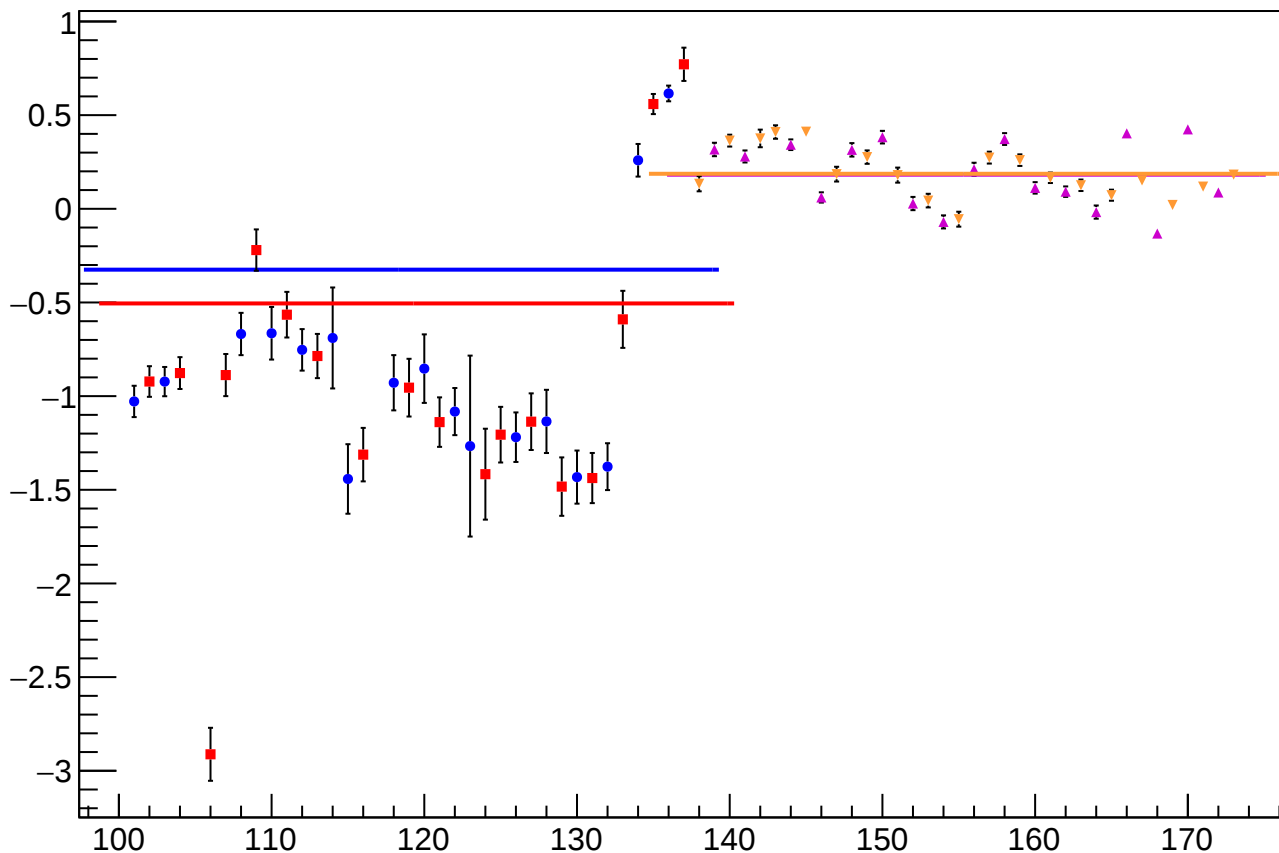
Right: 27.980 ± 0.331 χ^2/NDF : 6352.1/34

In: 38.945 ± 0.144 χ^2/NDF : 4685.2/33

Out: 39.343 ± 0.140 χ^2/NDF : 4393.5/36

All: 39.150 ± 0.100 χ^2/NDF : 9082.6/70

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.325 ± 0.025 χ^2/NDF : 1011.7/16

Left Out: 0.187 ± 0.007 χ^2/NDF : 325.4/18

Right Out: -0.505 ± 0.026 χ^2/NDF : 1163.3/17

Left In: 0.182 ± 0.007 χ^2/NDF : 699.3/16

Left: 0.185 ± 0.005 χ^2/NDF : 1024.9/35

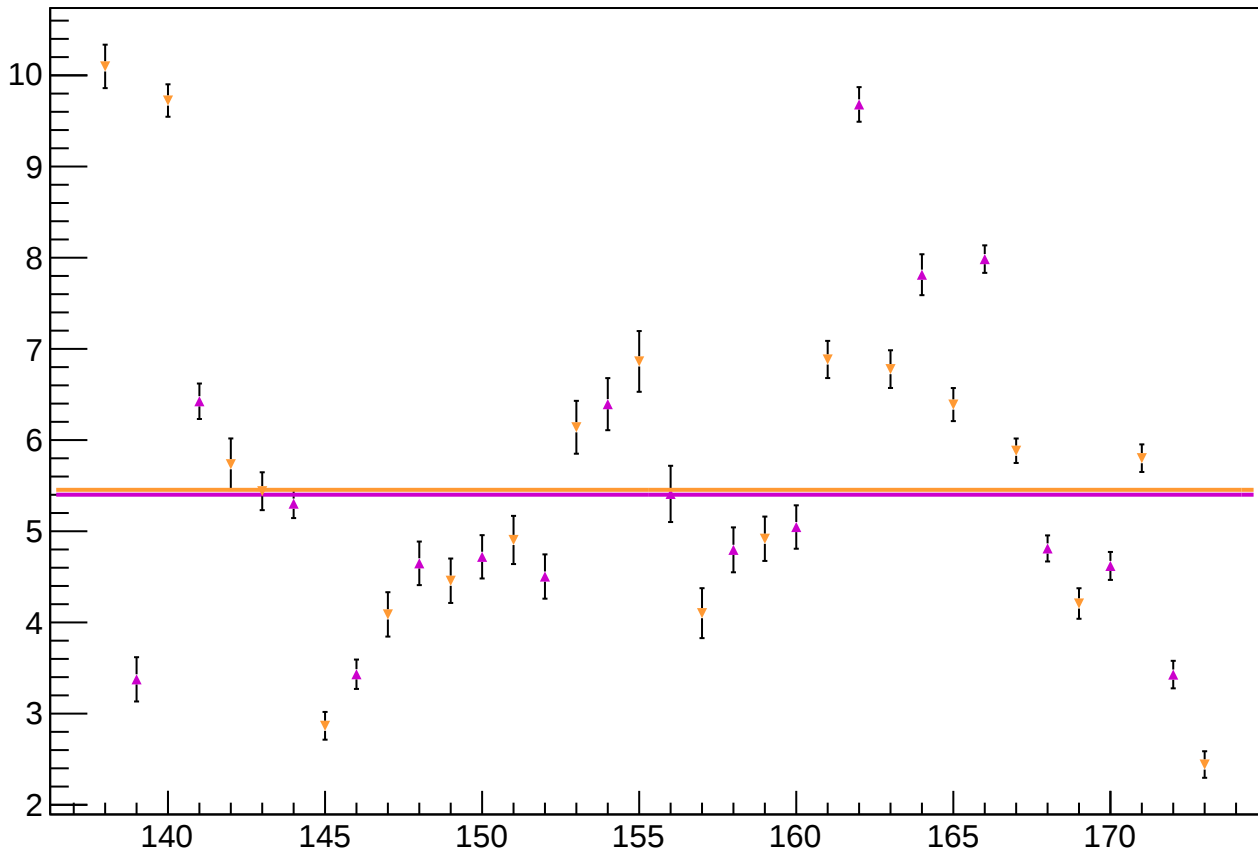
Right: -0.412 ± 0.018 χ^2/NDF : 2200.3/34

In: 0.145 ± 0.007 χ^2/NDF : 2094.5/33

Out: 0.142 ± 0.007 χ^2/NDF : 2163.4/36

All: 0.143 ± 0.005 χ^2/NDF : 4258.0/70

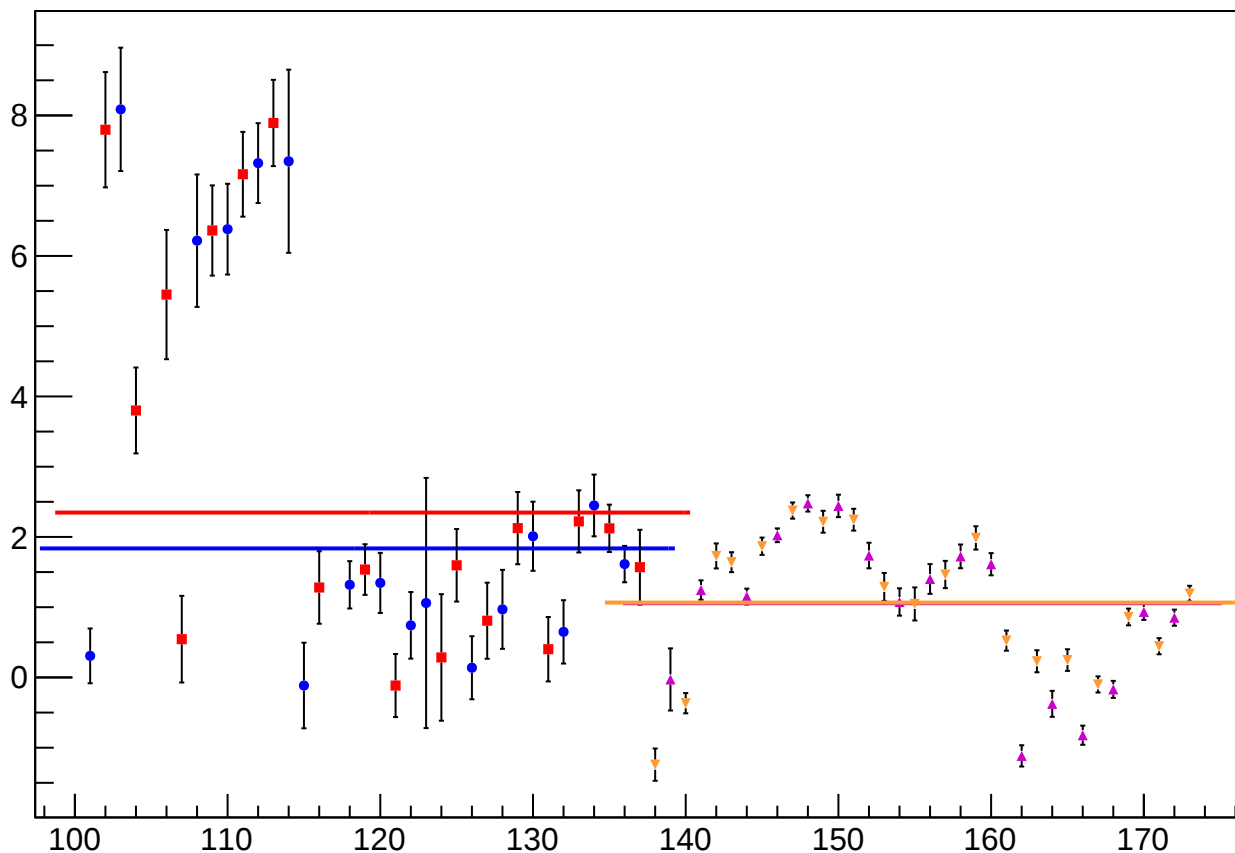
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 5.454 $\pm$ 0.045 χ^2/NDF :1966.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 5.401 $\pm$ 0.047 χ^2/NDF :1430.0/16

Left: 5.428 $\pm$ 0.033 χ^2/NDF : 3396.9/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 5.401 $\pm$ 0.047 χ^2/NDF :1430.0/16
 Out: 5.454 $\pm$ 0.045 χ^2/NDF :1966.2/18
 All: 5.428 $\pm$ 0.033 χ^2/NDF : 3396.9/35

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.837 ± 0.116 χ^2/NDF : 294.1/16

Left Out: 1.066 ± 0.033 χ^2/NDF : 757.2/18

Right Out: 2.347 ± 0.123 χ^2/NDF : 329.8/17

Left In: 1.057 ± 0.034 χ^2/NDF : 939.1/16

Left: 1.061 ± 0.024 χ^2/NDF : 1696.4/35

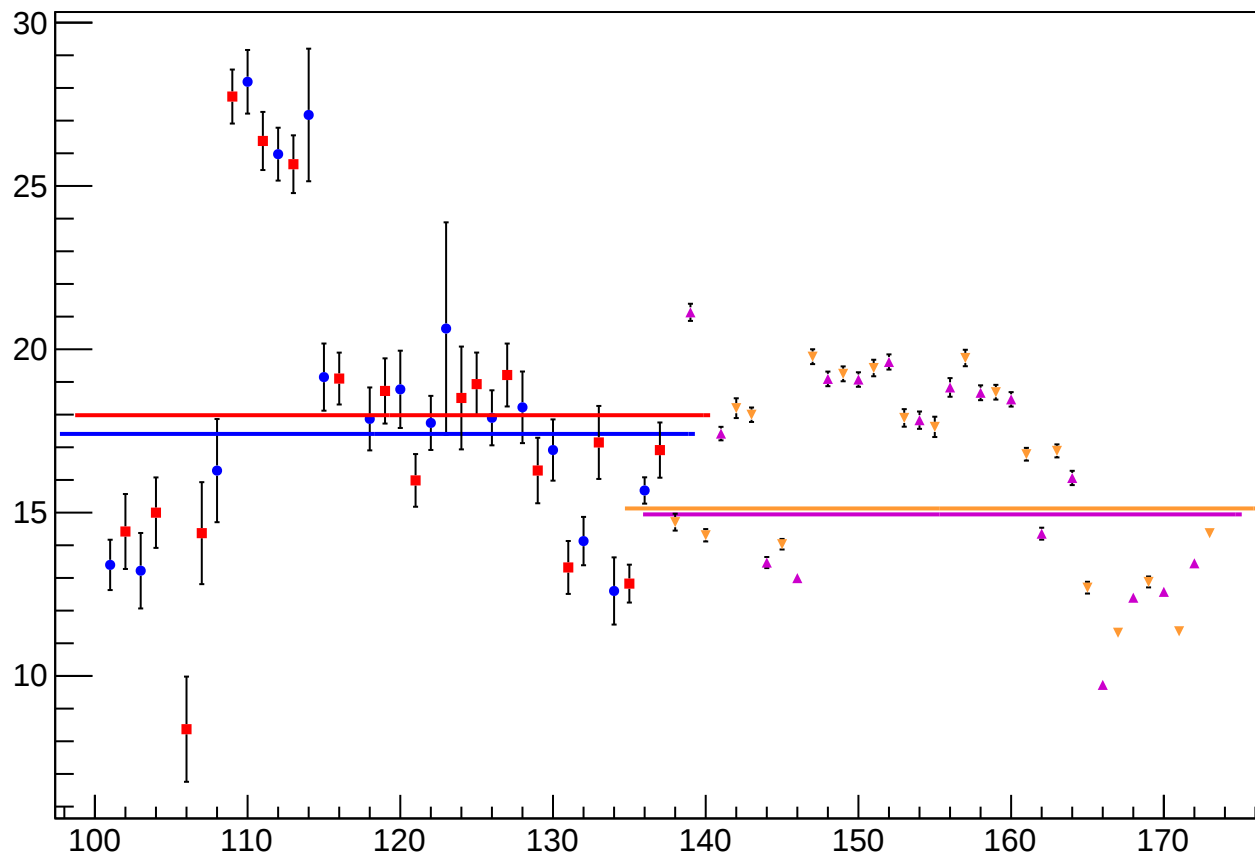
Right: 2.078 ± 0.084 χ^2/NDF : 633.0/34

In: 1.119 ± 0.033 χ^2/NDF : 1274.7/33

Out: 1.153 ± 0.032 χ^2/NDF : 1188.9/36

All: 1.136 ± 0.023 χ^2/NDF : 2464.1/70

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.409 $\pm$ 0.212 χ^2 /NDF: 365.1/16

Left Out: 15.127 $\pm$ 0.045 χ^2 /NDF:4040.3/18

Right Out: 17.982 $\pm$ 0.219 χ^2 /NDF: 490.7/17

Left In: 14.946 $\pm$ 0.046 χ^2 /NDF:4681.0/16

Left: 15.038 $\pm$ 0.032 χ^2 /NDF: 8729.1/35

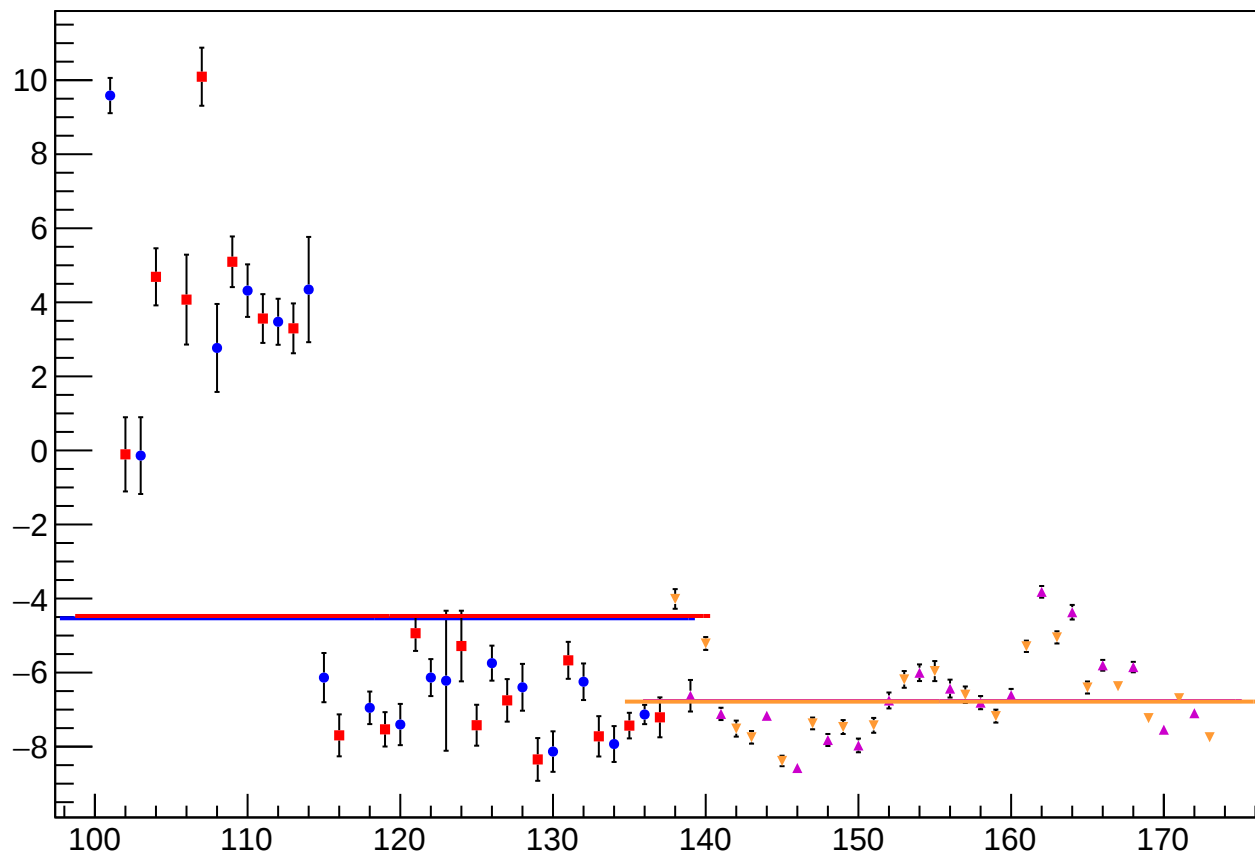
Right: 17.686 $\pm$ 0.152 χ^2 /NDF: 859.3/34

In: 15.058 $\pm$ 0.045 χ^2 /NDF:5175.0/33

Out: 15.245 $\pm$ 0.045 χ^2 /NDF:4693.5/36

All: 15.153 $\pm$ 0.032 χ^2 /NDF: 9877.1/70

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.533 ± 0.130 $\chi^2/\text{NDF}: 1588.4/16$

Left Out: -6.784 ± 0.038 $\chi^2/\text{NDF}: 717.8/18$

Right Out: -4.471 ± 0.137 $\chi^2/\text{NDF}: 1339.3/17$

Left In: -6.769 ± 0.039 $\chi^2/\text{NDF}: 952.6/16$

Left: -6.777 ± 0.027 $\chi^2/\text{NDF}: 1670.4/35$

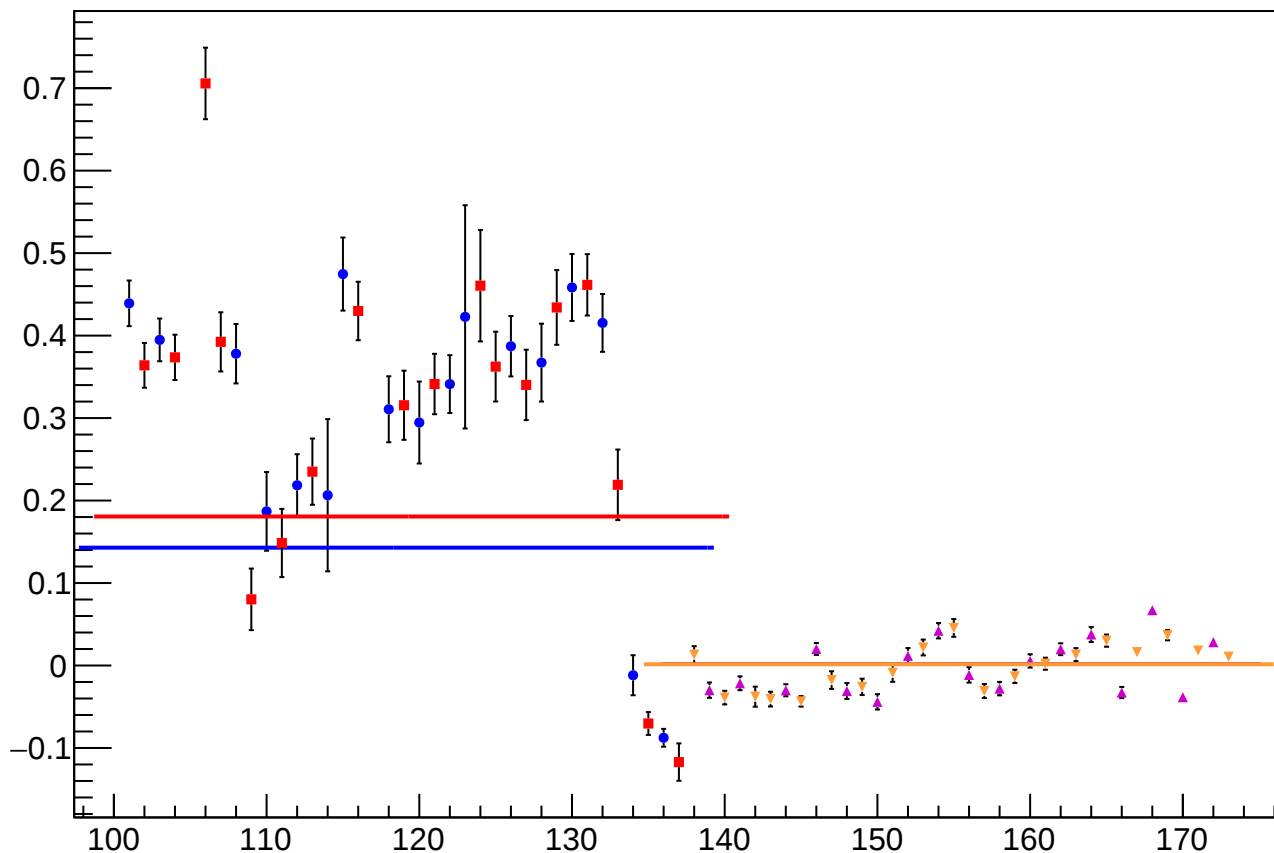
Right: -4.504 ± 0.094 $\chi^2/\text{NDF}: 2927.8/34$

In: -6.580 ± 0.038 $\chi^2/\text{NDF}: 2813.1/33$

Out: -6.619 ± 0.037 $\chi^2/\text{NDF}: 2322.1/36$

All: -6.600 ± 0.026 $\chi^2/\text{NDF}: 5135.8/70$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 $\pm$ 0.007 χ^2 /NDF: 1058.9/16

Left Out: 0.002 $\pm$ 0.002 χ^2 /NDF:228.2/18

Right Out: 0.181 $\pm$ 0.007 χ^2 /NDF: 1003.7/17

Left In: 0.002 $\pm$ 0.002 χ^2 /NDF:379.4/16

Left: 0.002 $\pm$ 0.001 χ^2 /NDF: 607.6/35

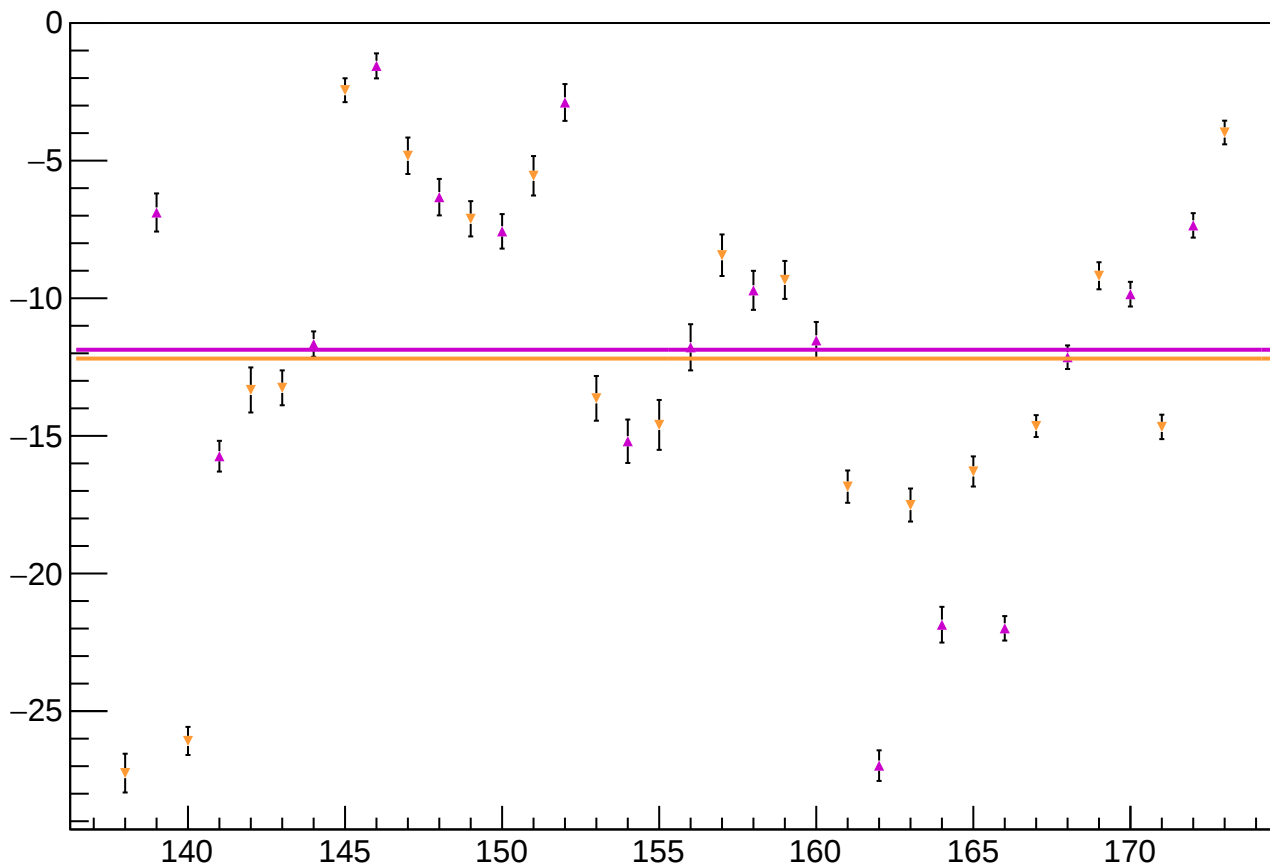
Right: 0.161 $\pm$ 0.005 χ^2 /NDF: 2076.2/34

In: 0.011 $\pm$ 0.002 χ^2 /NDF:1813.1/33

Out: 0.011 $\pm$ 0.002 χ^2 /NDF:1786.2/36

All: 0.011 $\pm$ 0.001 χ^2 /NDF: 3599.4/70

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.191+/-0.131 χ^2/NDF :2699.9/18

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

Left In: -11.870+/-0.134 χ^2/NDF :2557.9/16

Left: -12.035+/-0.094 χ^2/NDF : 5260.7/35

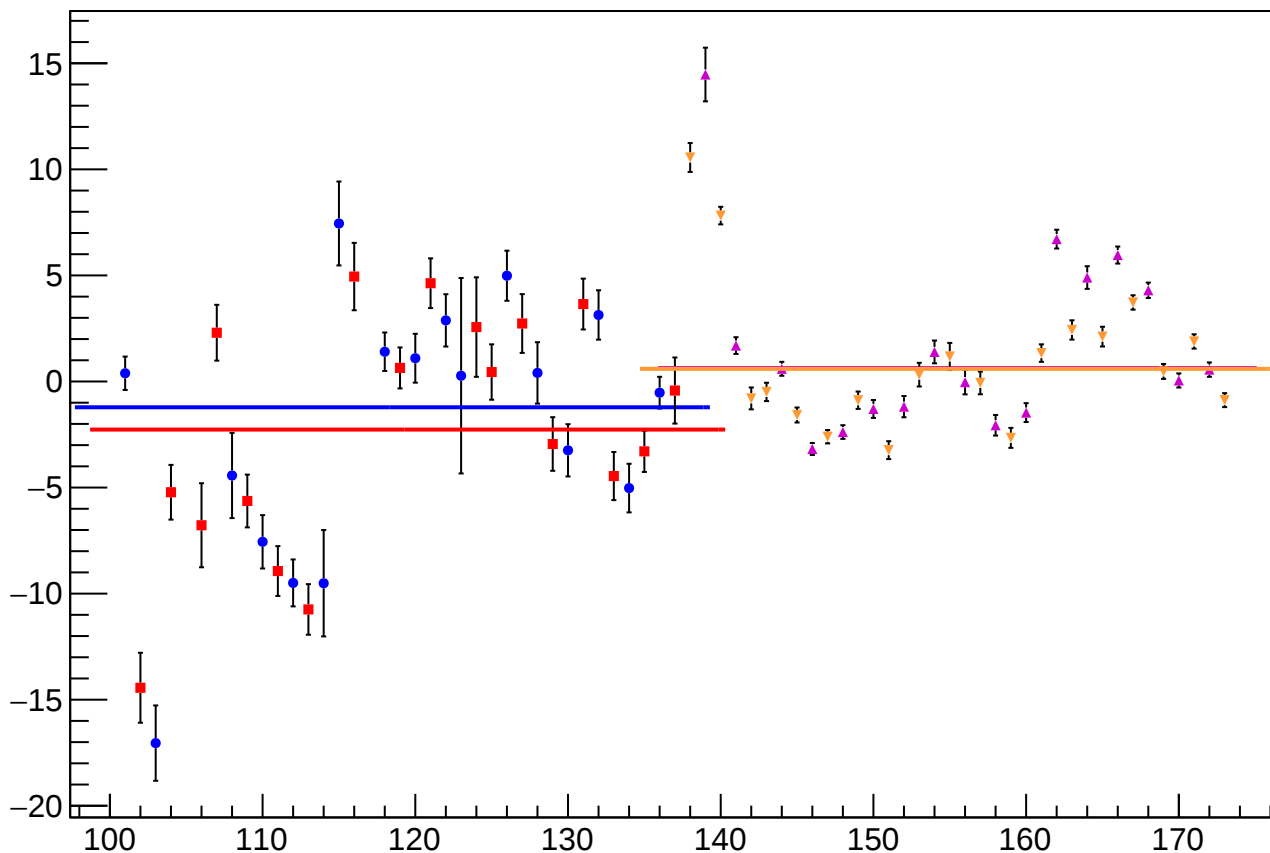
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.870+/-0.134 χ^2/NDF :2557.9/16

Out: -12.191+/-0.131 χ^2/NDF :2699.9/18

All: -12.035+/-0.094 χ^2/NDF : 5260.7/35

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.215 ± 0.290 χ^2/NDF : 278.7/16

Left Out: 0.597 ± 0.095 χ^2/NDF : 968.8/18

Right Out: -2.267 ± 0.302 χ^2/NDF : 283.9/17

Left In: 0.633 ± 0.098 χ^2/NDF : 1019.9/16

Left: 0.614 ± 0.068 χ^2/NDF : 1988.7/35

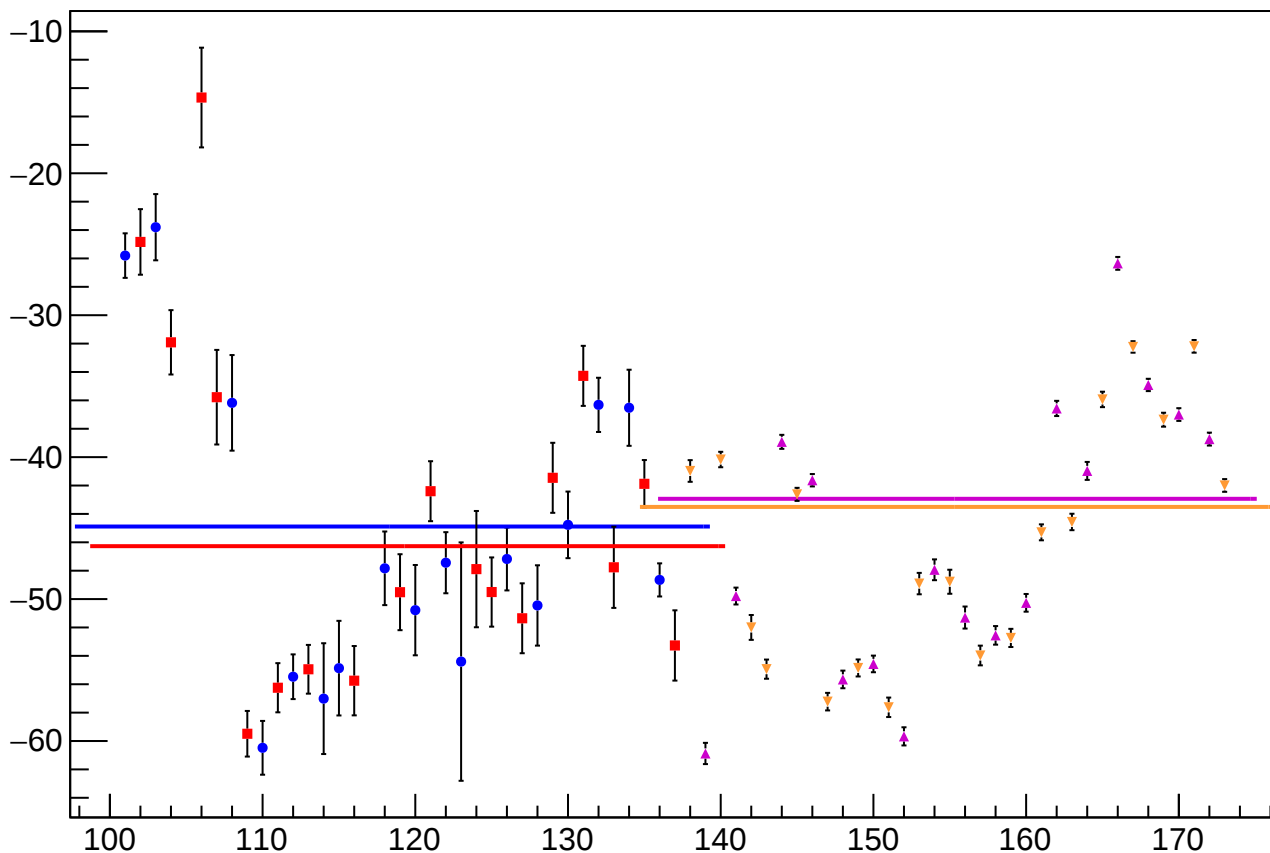
Right: -1.720 ± 0.209 χ^2/NDF : 568.9/34

In: 0.443 ± 0.093 χ^2/NDF : 1334.9/33

Out: 0.339 ± 0.091 χ^2/NDF : 1334.2/36

All: 0.390 ± 0.065 χ^2/NDF : 2669.8/70

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.888 ± 0.523 χ^2/NDF : 420.4/16

Left Out: -43.507 ± 0.131 χ^2/NDF : 4019.3/18

Right Out: -46.272 ± 0.530 χ^2/NDF : 420.5/17

Left In: -42.935 ± 0.133 χ^2/NDF : 4893.0/16

Left: -43.226 ± 0.093 χ^2/NDF : 8921.7/35

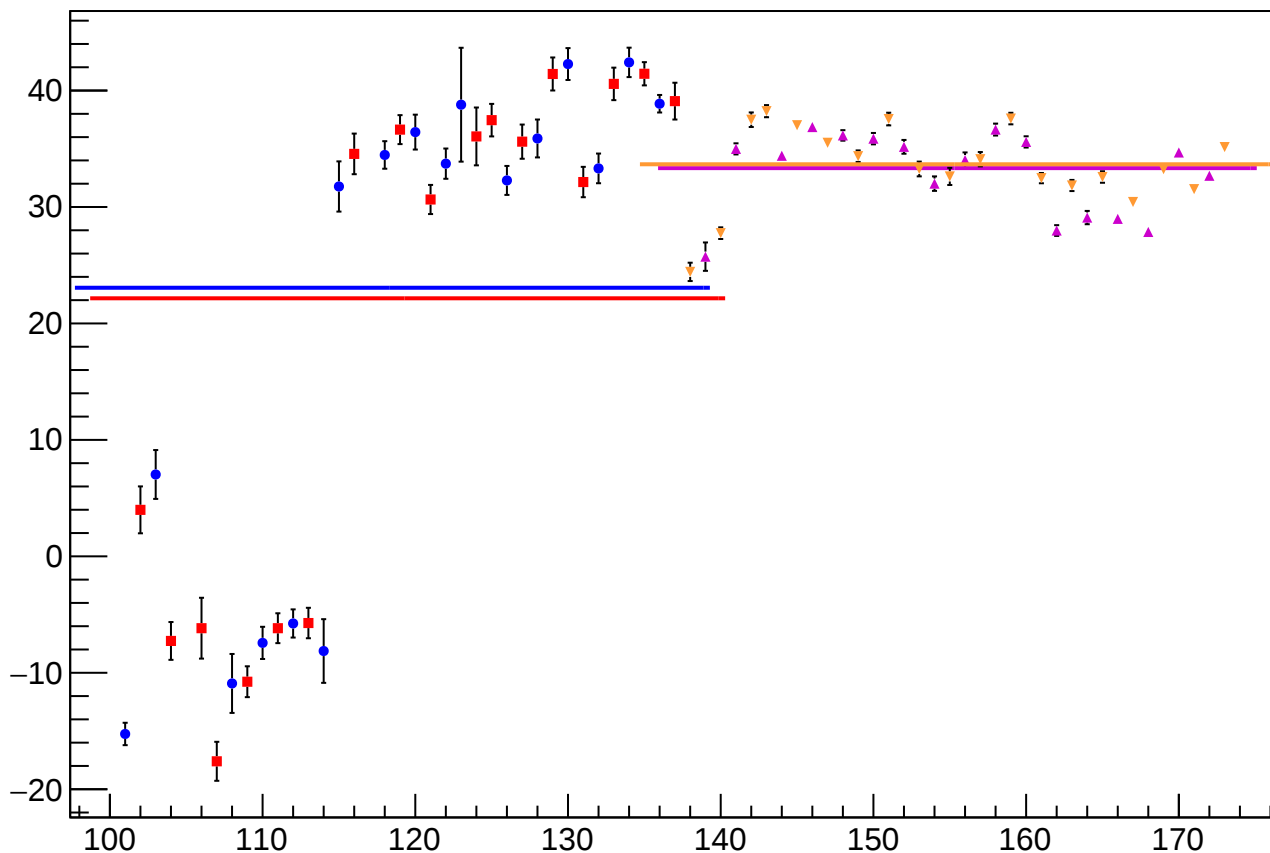
Right: -45.572 ± 0.372 χ^2/NDF : 844.4/34

In: -43.054 ± 0.129 χ^2/NDF : 5326.5/33

Out: -43.666 ± 0.127 χ^2/NDF : 4465.6/36

All: -43.365 ± 0.091 χ^2/NDF : 9803.5/70

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.066 $\pm$ 0.327 χ^2 /NDF: 4333.5/16

Left Out: 33.669 $\pm$ 0.109 χ^2 /NDF: 748.9/18

Right Out: 22.159 $\pm$ 0.340 χ^2 /NDF: 4025.5/17

Left In: 33.338 $\pm$ 0.113 χ^2 /NDF: 779.0/16

Left: 33.509 $\pm$ 0.079 χ^2 /NDF: 1532.3/35

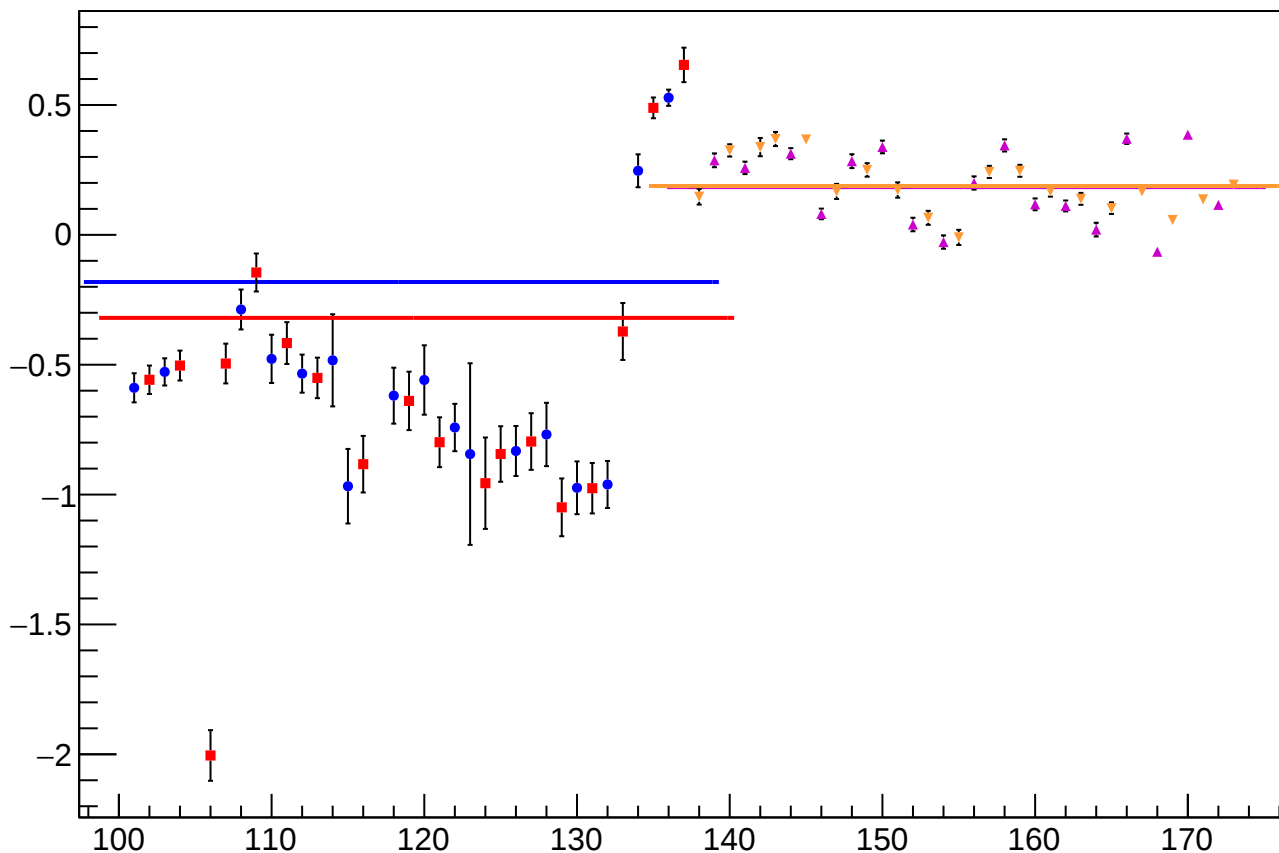
Right: 22.631 $\pm$ 0.236 χ^2 /NDF: 8362.7/34

In: 32.236 $\pm$ 0.107 χ^2 /NDF: 5995.9/33

Out: 32.594 $\pm$ 0.104 χ^2 /NDF: 5813.2/36

All: 32.420 $\pm$ 0.075 χ^2 /NDF: 11814.9/70

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.182 ± 0.018 χ^2/NDF : 996.9/16

Left Out: 0.188 ± 0.005 χ^2/NDF : 365.4/18

Right Out: -0.320 ± 0.018 χ^2/NDF : 1177.5/17

Left In: 0.184 ± 0.005 χ^2/NDF : 831.0/16

Left: 0.186 ± 0.004 χ^2/NDF : 1196.7/35

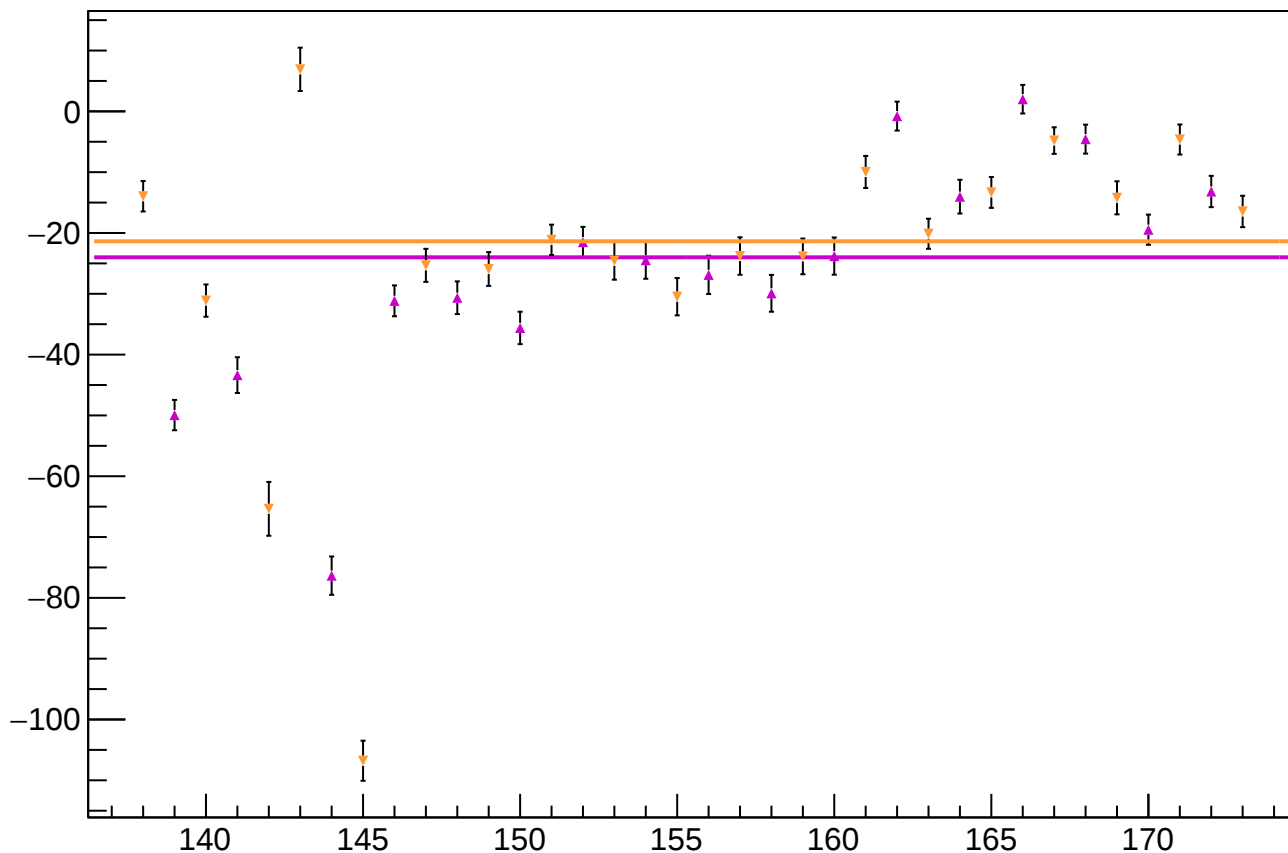
Right: -0.249 ± 0.013 χ^2/NDF : 2203.9/34

In: 0.154 ± 0.005 χ^2/NDF : 2217.9/33

Out: 0.152 ± 0.005 χ^2/NDF : 2264.1/36

All: 0.153 ± 0.003 χ^2/NDF : 4482.2/70

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -21.370 ± 0.632 χ^2/NDF : 1014.3/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -24.002 ± 0.649 χ^2/NDF : 784.3/16

Left: -22.652 ± 0.453 χ^2/NDF : 1807.0/35

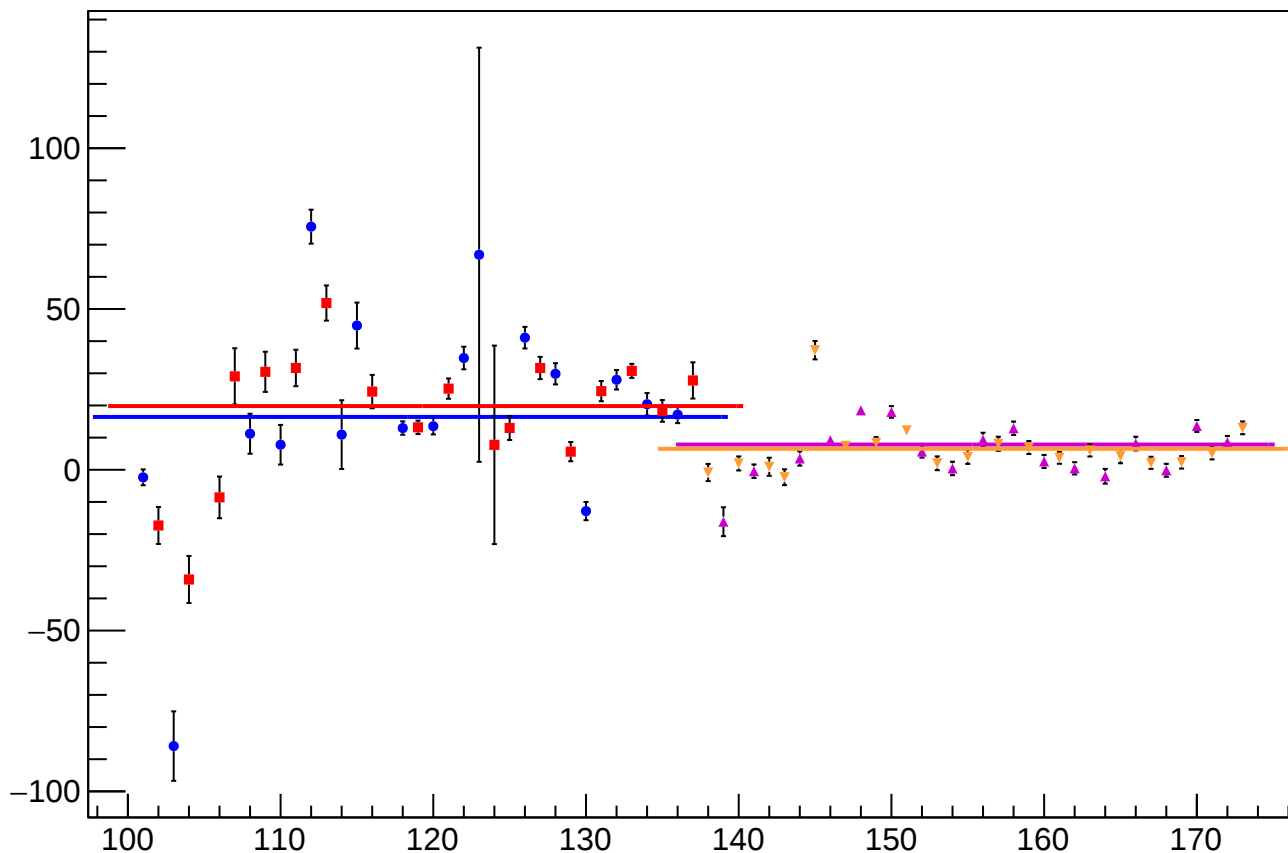
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -24.002 ± 0.649 χ^2/NDF : 784.3/16

Out: -21.370 ± 0.632 χ^2/NDF : 1014.3/18

All: -22.652 ± 0.453 χ^2/NDF : 1807.0/35

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.439 ± 0.849 χ^2/NDF : 516.9/16

Left Out: 6.526 ± 0.451 χ^2/NDF : 192.7/18

Right Out: 19.813 ± 0.899 χ^2/NDF : 238.5/17

Left In: 7.848 ± 0.472 χ^2/NDF : 232.1/16

Left: 7.157 ± 0.326 χ^2/NDF : 428.9/35

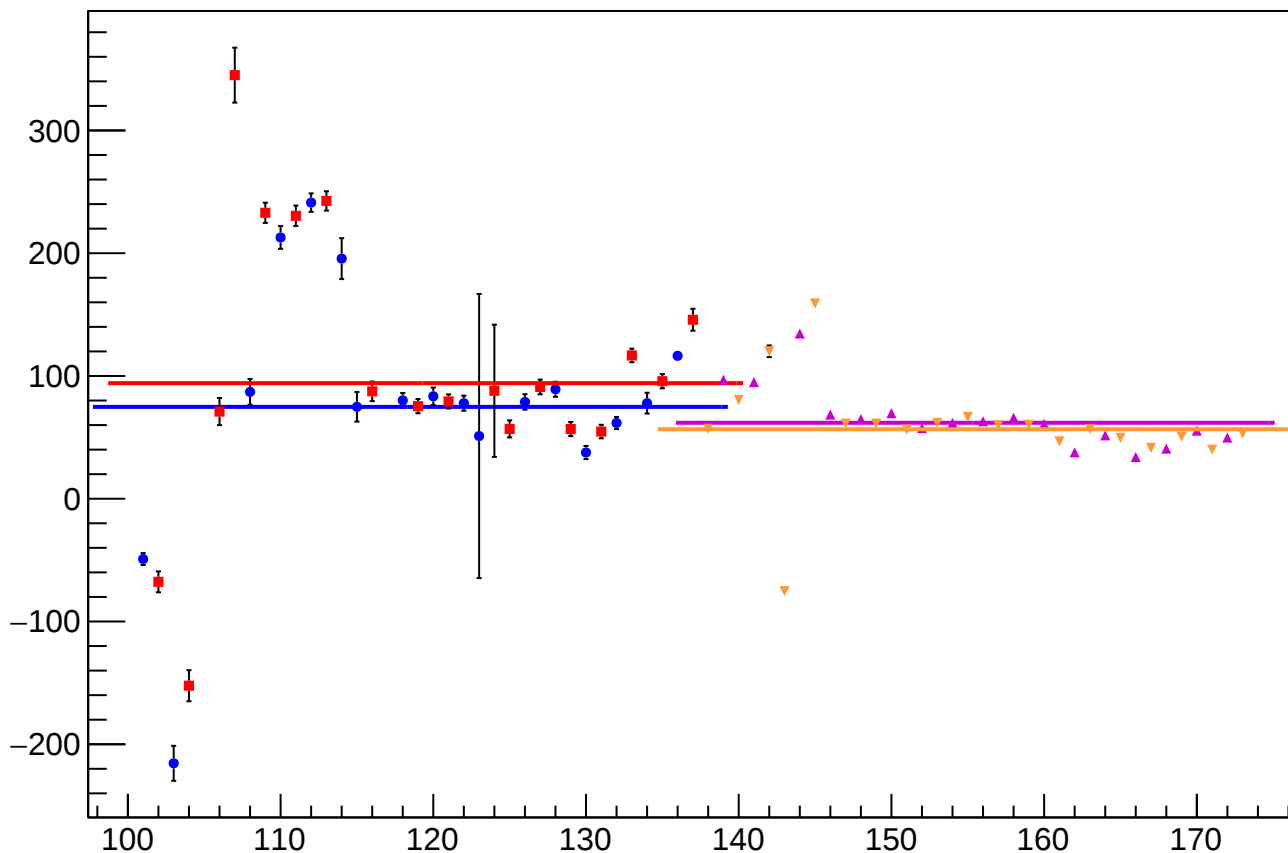
Right: 18.028 ± 0.617 χ^2/NDF : 762.9/34

In: 9.881 ± 0.413 χ^2/NDF : 827.3/33

Out: 9.199 ± 0.403 χ^2/NDF : 605.6/36

All: 9.532 ± 0.288 χ^2/NDF : 1434.3/70

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 74.824 ± 1.639 χ^2/NDF : 1996.8/16

Left Out: 56.589 ± 0.624 χ^2/NDF : 2495.6/18

Right Out: 94.153 ± 1.720 χ^2/NDF : 1969.2/17

Left In: 61.884 ± 0.637 χ^2/NDF : 1135.9/16

Left: 59.183 ± 0.446 χ^2/NDF : 3666.8/35

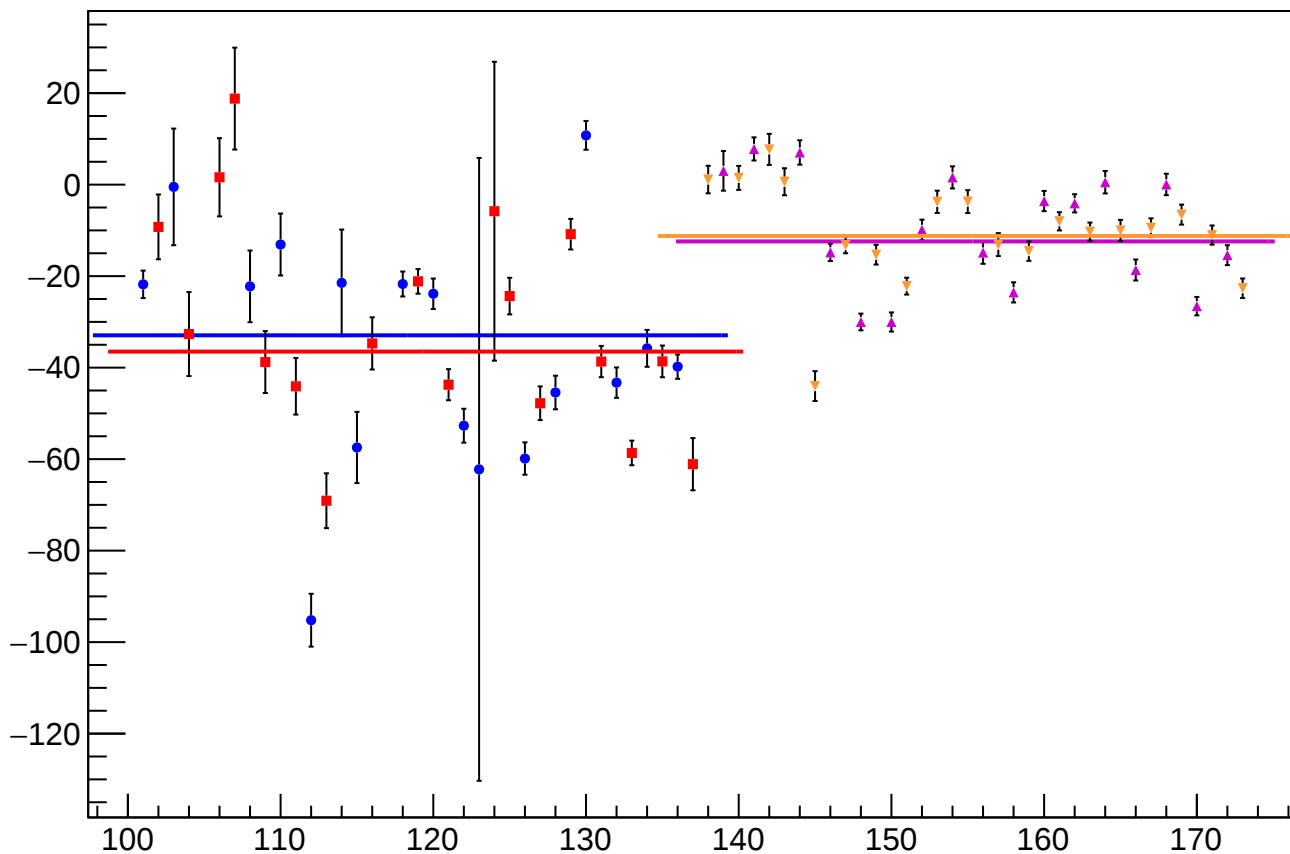
Right: 84.020 ± 1.186 χ^2/NDF : 4032.2/34

In: 63.582 ± 0.594 χ^2/NDF : 3186.9/33

Out: 60.963 ± 0.587 χ^2/NDF : 4886.2/36

All: 62.257 ± 0.417 χ^2/NDF : 8083.0/70

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.935 ± 0.973 $\chi^2/\text{NDF}: 490.7/16$

Left Out: -11.208 ± 0.522 $\chi^2/\text{NDF}: 287.3/18$

Right Out: -36.488 ± 1.027 $\chi^2/\text{NDF}: 293.2/17$

Left In: -12.413 ± 0.546 $\chi^2/\text{NDF}: 504.9/16$

Left: -11.783 ± 0.377 $\chi^2/\text{NDF}: 794.7/35$

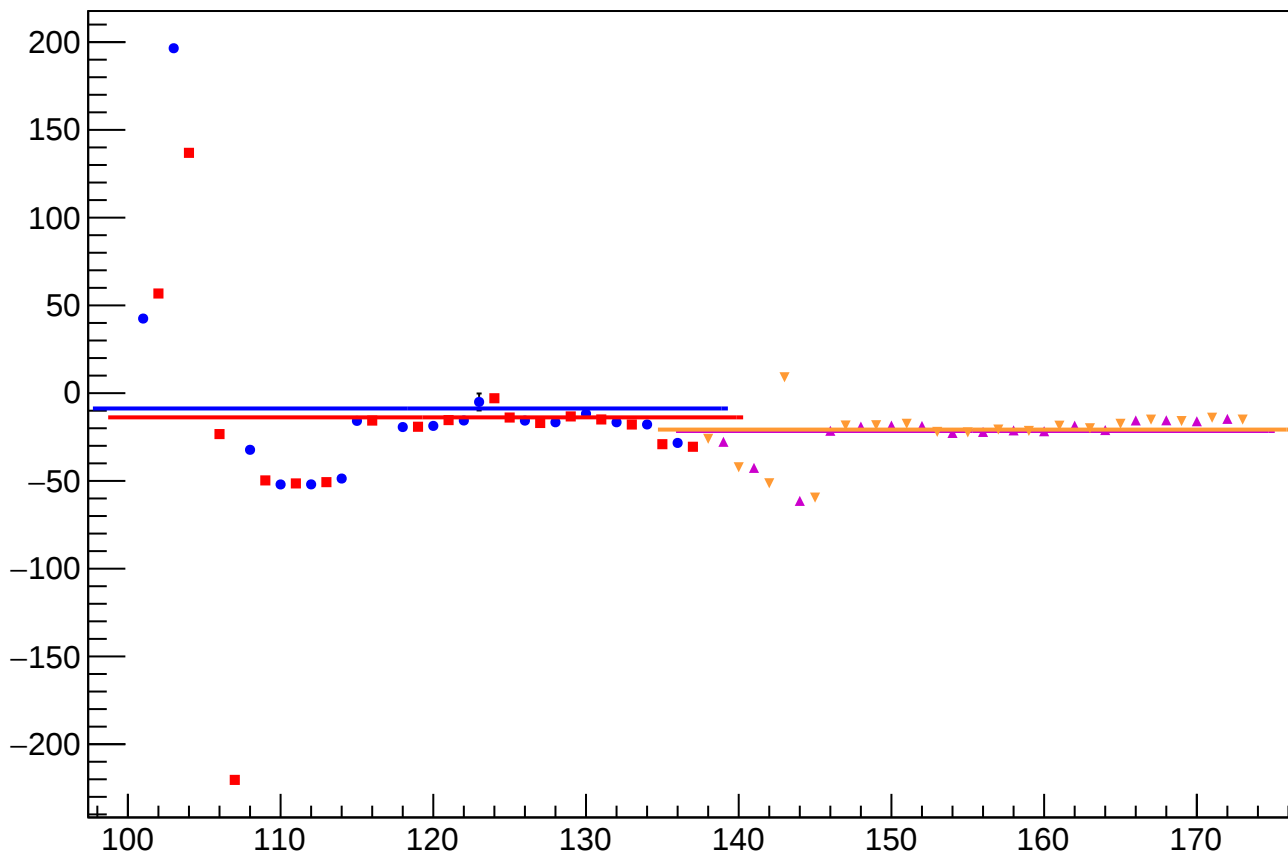
Right: -34.617 ± 0.706 $\chi^2/\text{NDF}: 790.3/34$

In: -17.326 ± 0.476 $\chi^2/\text{NDF}: 1333.7/33$

Out: -16.397 ± 0.465 $\chi^2/\text{NDF}: 1062.4/36$

All: -16.851 ± 0.333 $\chi^2/\text{NDF}: 2398.1/70$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.723 ± 0.059 $\chi^2/\text{NDF}: 575838.7/16$

Left Out: -20.753 ± 0.024 $\chi^2/\text{NDF}: 198785.8/18$

Right Out: -13.791 ± 0.062 $\chi^2/\text{NDF}: 549380.2/17$

Left In: -21.558 ± 0.025 $\chi^2/\text{NDF}: 125231.7/16$

Left: -21.147 ± 0.017 $\chi^2/\text{NDF}: 324558.0/35$

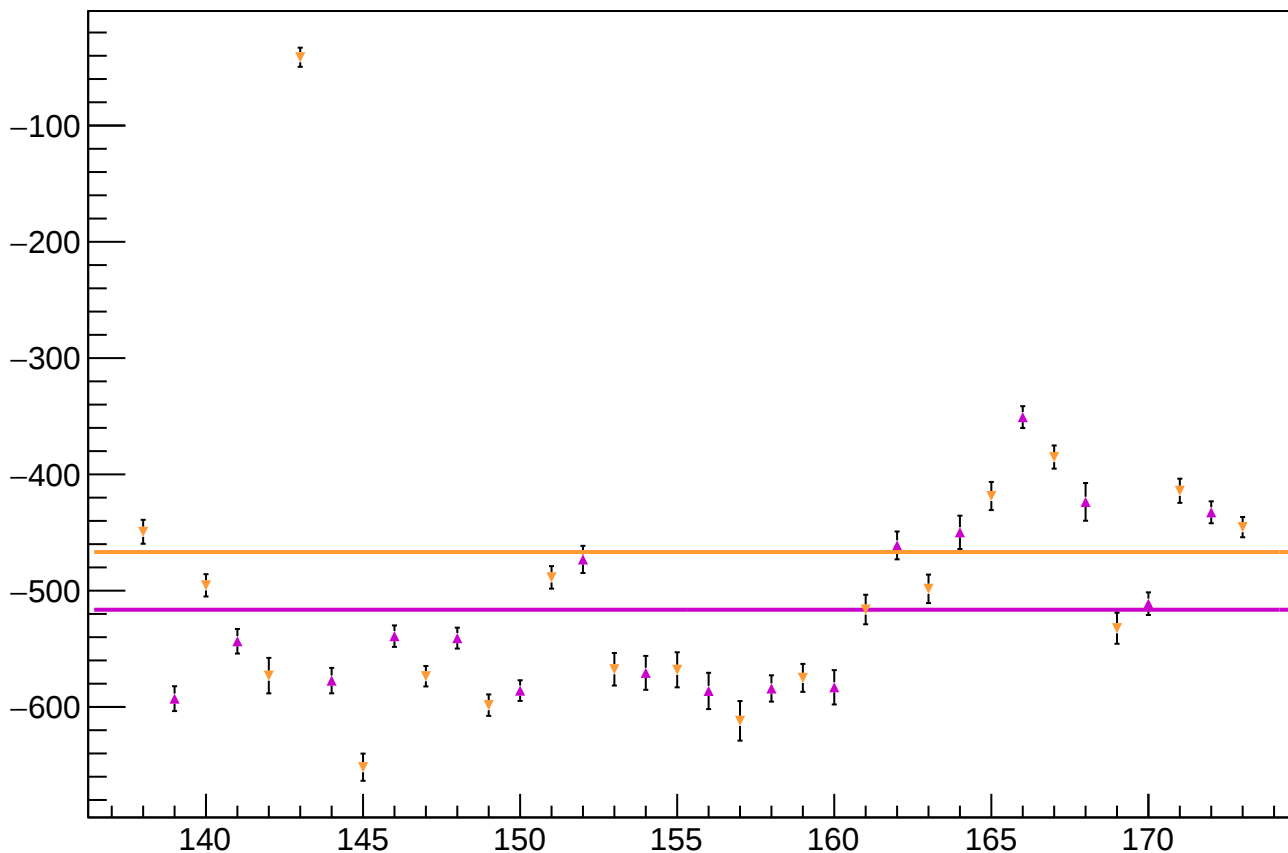
Right: -11.121 ± 0.043 $\chi^2/\text{NDF}: 1128724.7/34$

In: -19.628 ± 0.023 $\chi^2/\text{NDF}: 741459.9/33$

Out: -19.836 ± 0.023 $\chi^2/\text{NDF}: 759074.2/36$

All: -19.733 ± 0.016 $\chi^2/\text{NDF}: 1500576.1/70$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -466.774 $\pm$ 2.503 χ^2/NDF :3754.3/18

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

Left In: -516.391 $\pm$ 2.672 χ^2/NDF :731.9/16

Left: -489.960 $\pm$ 1.827 χ^2/NDF : 4669.9/35

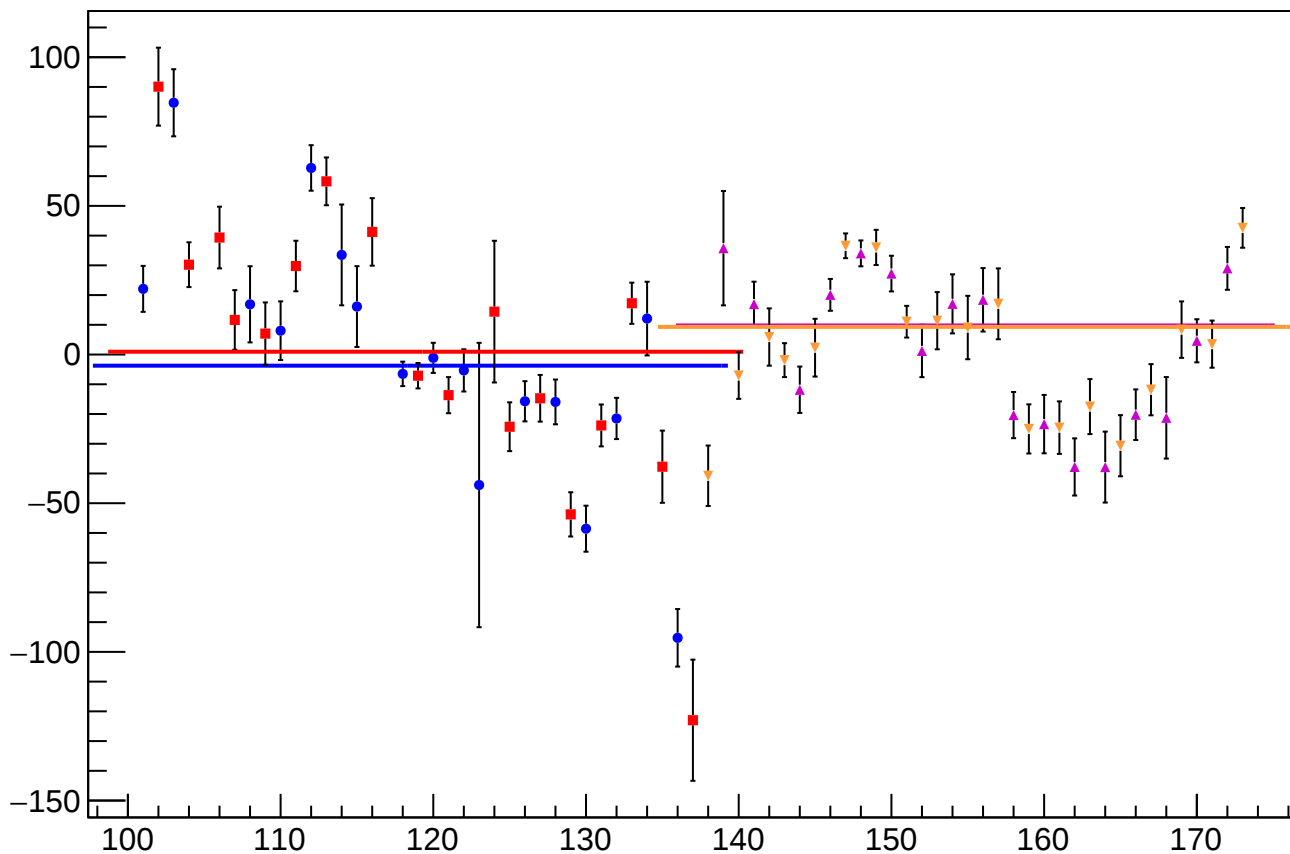
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -516.391 $\pm$ 2.672 χ^2/NDF :731.9/16

Out: -466.774 $\pm$ 2.503 χ^2/NDF :3754.3/18

All: -489.960 $\pm$ 1.827 χ^2/NDF : 4669.9/35

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.743 $\pm$ 1.892 χ^2 /NDF: 314.1/16

Left Out: 9.303 $\pm$ 1.721 χ^2 /NDF:184.0/18

Right Out: 0.948 $\pm$ 1.918 χ^2 /NDF: 293.7/17

Left In: 9.786 $\pm$ 1.869 χ^2 /NDF:147.8/16

Left: 9.525 $\pm$ 1.266 χ^2 /NDF: 331.8/35

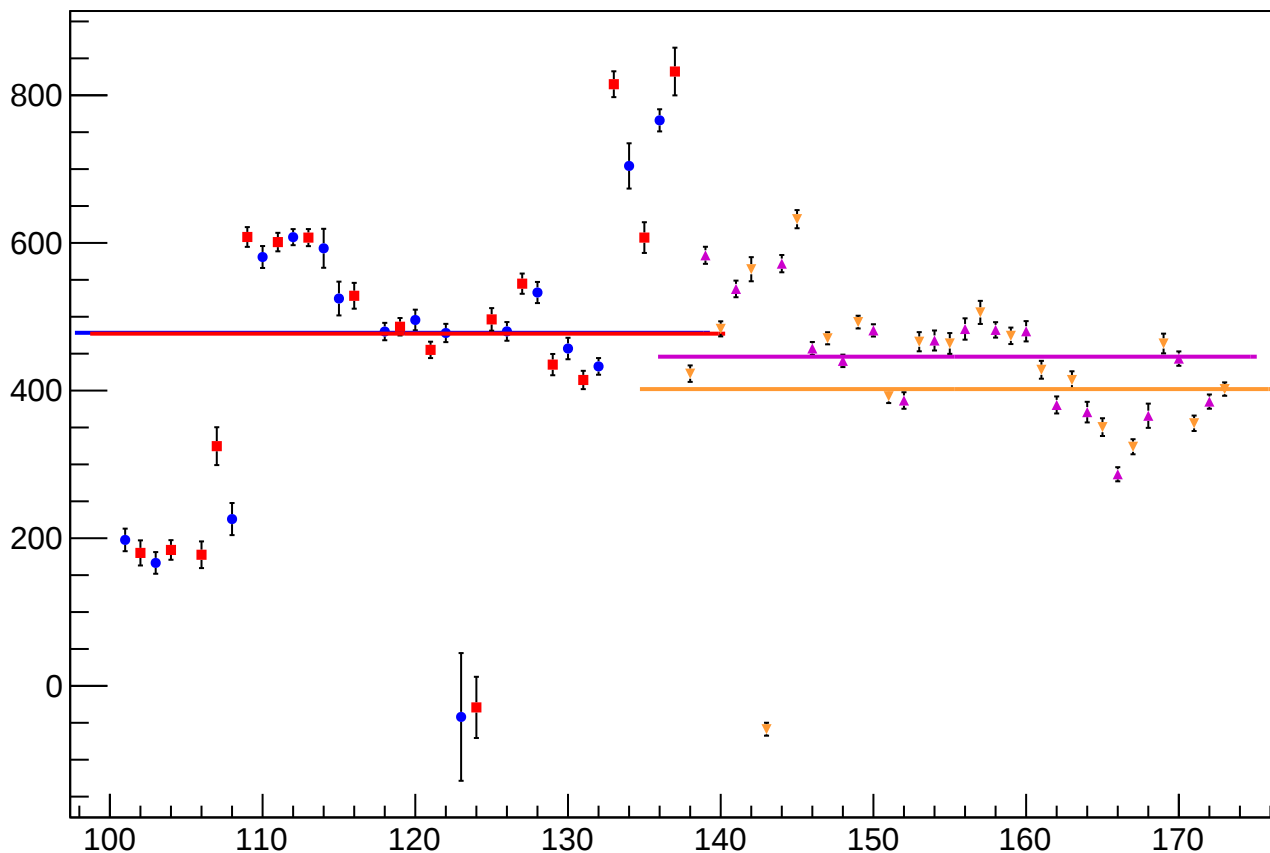
Right: -1.430 $\pm$ 1.347 χ^2 /NDF: 610.8/34

In: 3.102 $\pm$ 1.330 χ^2 /NDF:487.8/33

Out: 5.577 $\pm$ 1.281 χ^2 /NDF:488.1/36

All: 4.386 $\pm$ 0.922 χ^2 /NDF: 977.7/70

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.265+/-3.638 χ^2/NDF : 1627.9/16

Left Out: 402.019+/-2.489 χ^2/NDF : 3708.6/18

Right Out: 477.101+/-3.541 χ^2/NDF : 2175.8/17

Left In: 445.910+/-2.624 χ^2/NDF : 800.3/16

Left: 422.807+/-1.806 χ^2/NDF : 4656.2/35

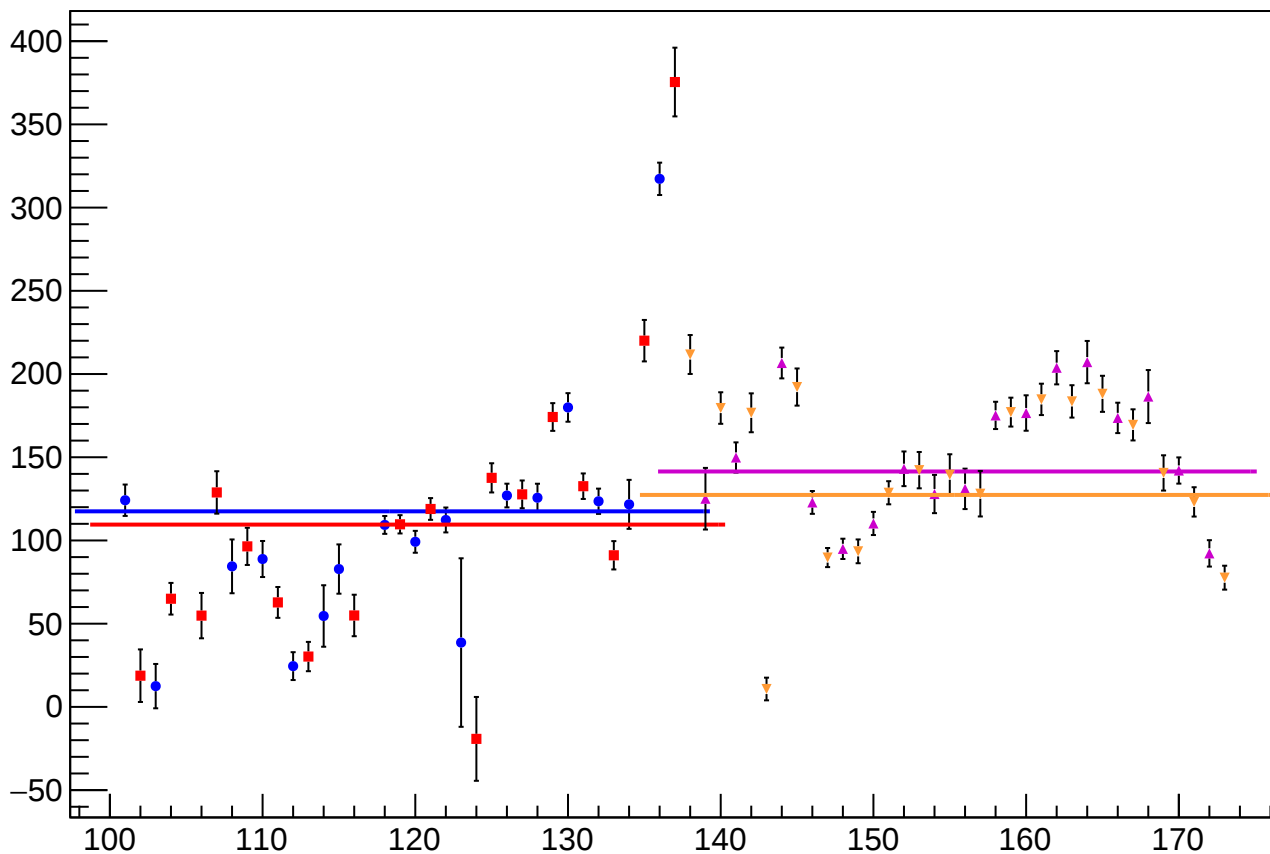
Right: 477.667+/-2.538 χ^2/NDF : 3803.8/34

In: 456.979+/-2.128 χ^2/NDF : 2480.3/33

Out: 426.841+/-2.036 χ^2/NDF : 6185.3/36

All: 441.246+/-1.471 χ^2/NDF : 8770.3/70

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.502 $\pm$ 2.198 χ^2/NDF : 705.9/16

Left Out: 127.358 $\pm$ 2.031 χ^2/NDF : 699.5/18

Right Out: 109.536 $\pm$ 2.208 χ^2/NDF : 562.2/17

Left In: 141.444 $\pm$ 2.198 χ^2/NDF : 291.5/16

Left: 133.845 $\pm$ 1.491 χ^2/NDF : 1013.2/35

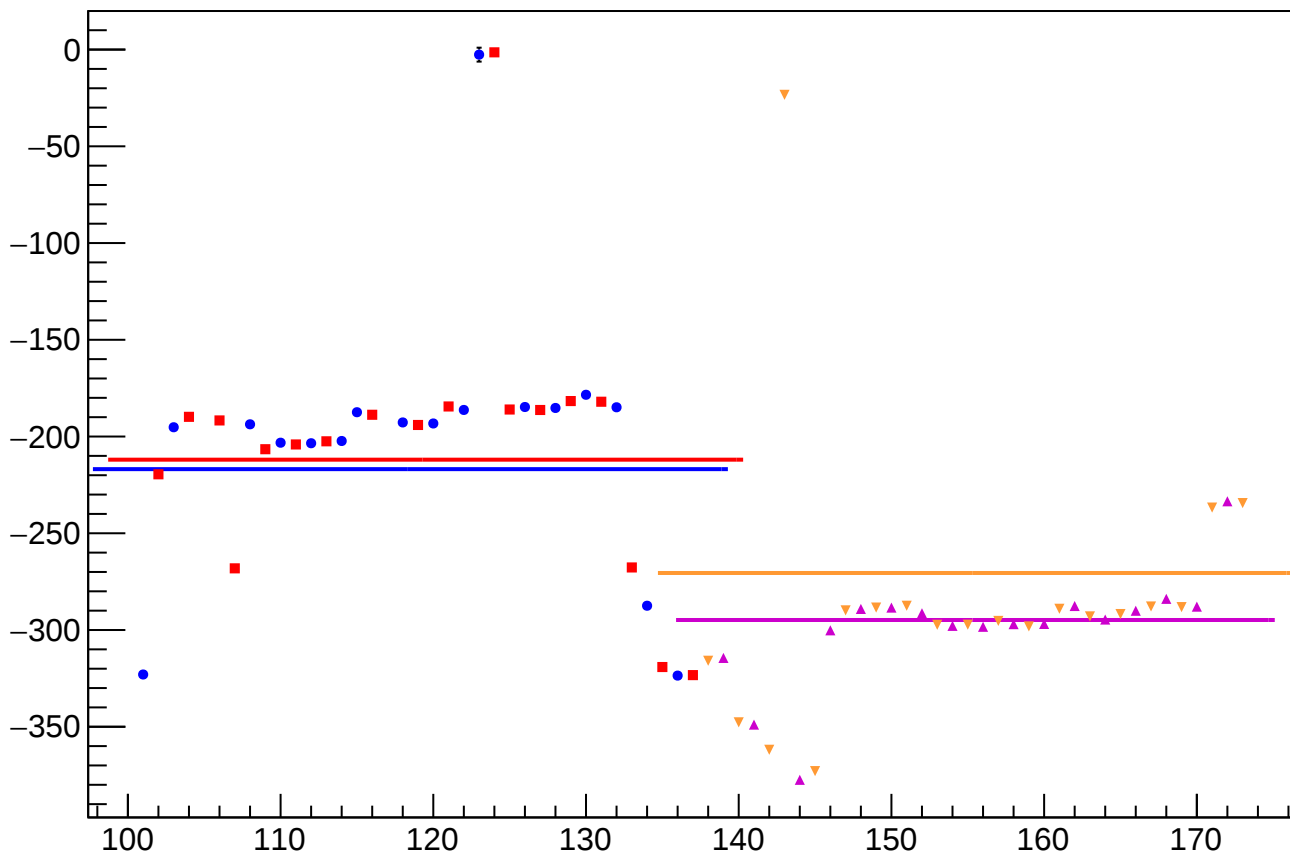
Right: 113.538 $\pm$ 1.558 χ^2/NDF : 1274.7/34

In: 129.473 $\pm$ 1.554 χ^2/NDF : 1056.8/33

Out: 119.193 $\pm$ 1.495 χ^2/NDF : 1297.0/36

All: 124.133 $\pm$ 1.077 χ^2/NDF : 2376.6/70

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -216.855 ± 0.136 $\chi^2/\text{NDF}: 146927.1/16$

Left Out: -270.525 ± 0.098 $\chi^2/\text{NDF}: 645447.5/18$

Right Out: -211.961 ± 0.131 $\chi^2/\text{NDF}: 112091.8/17$

Left In: -294.824 ± 0.104 $\chi^2/\text{NDF}: 76308.9/16$

Left: -282.052 ± 0.071 $\chi^2/\text{NDF}: 750700.3/35$

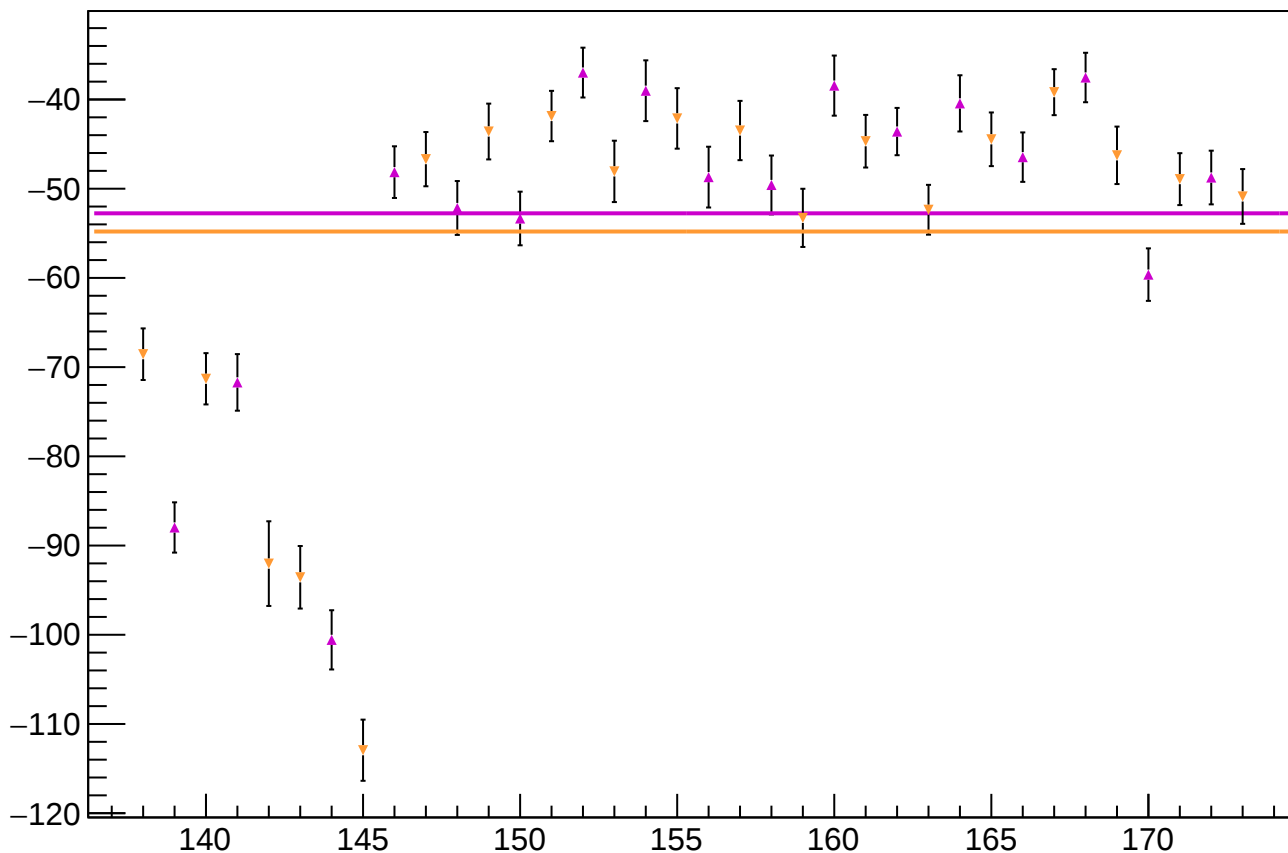
Right: -214.313 ± 0.094 $\chi^2/\text{NDF}: 259693.1/34$

In: -266.173 ± 0.082 $\chi^2/\text{NDF}: 431568.3/33$

Out: -249.337 ± 0.079 $\chi^2/\text{NDF}: 885761.1/36$

All: -257.361 ± 0.057 $\chi^2/\text{NDF}: 1339202.1/70$

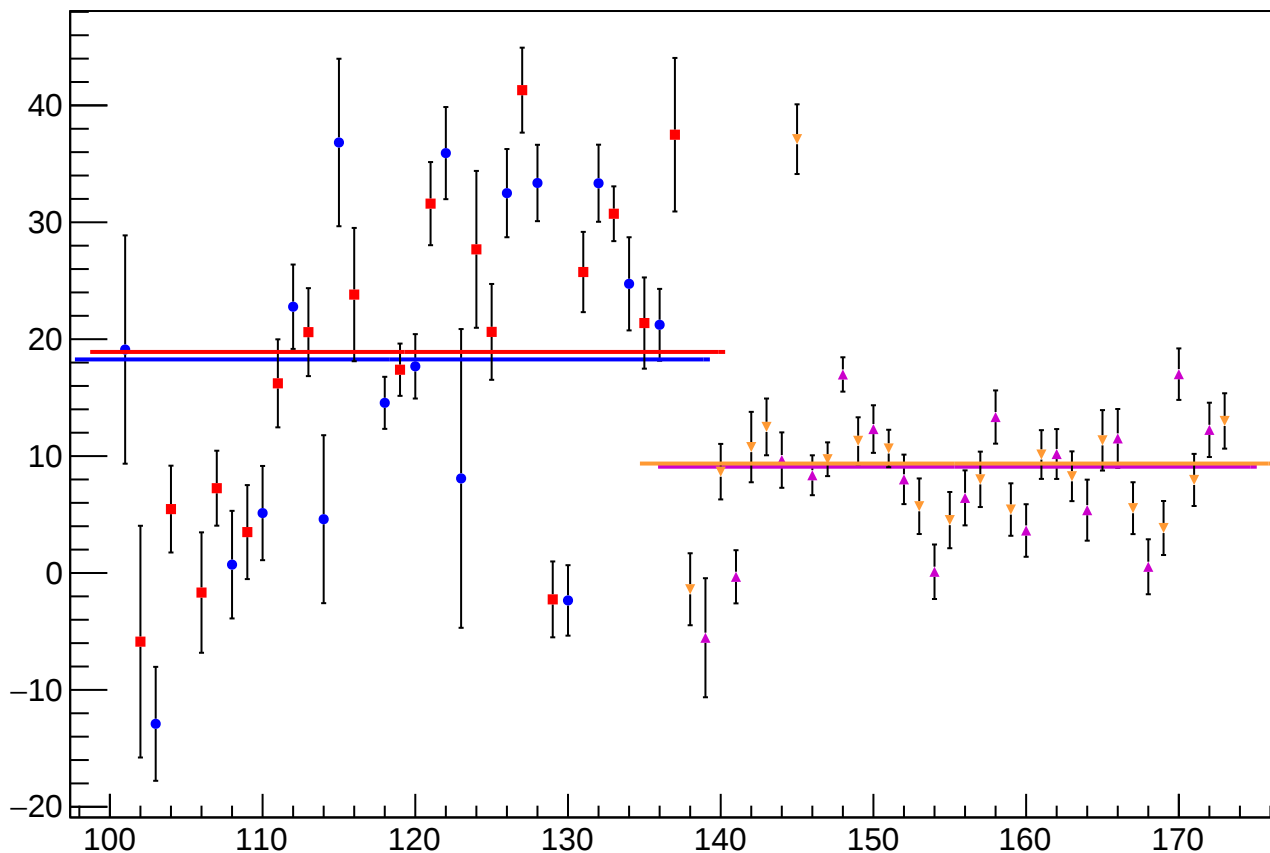
reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -54.799+/-0.713 χ^2/NDF : 671.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -52.760+/-0.732 χ^2/NDF : 540.2/16

Left: -53.807+/-0.511 χ^2/NDF : 1215.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -52.760+/-0.732 χ^2/NDF : 540.2/16
 Out: -54.799+/-0.713 χ^2/NDF : 671.4/18
 All: -53.807+/-0.511 χ^2/NDF : 1215.6/35

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.269 ± 0.907 χ^2/NDF : 208.3/16

Left Out: 9.362 ± 0.507 χ^2/NDF : 124.6/18

Right Out: 18.909 ± 0.864 χ^2/NDF : 198.1/17

Left In: 9.093 ± 0.532 χ^2/NDF : 114.0/16

Left: 9.234 ± 0.367 χ^2/NDF : 238.8/35

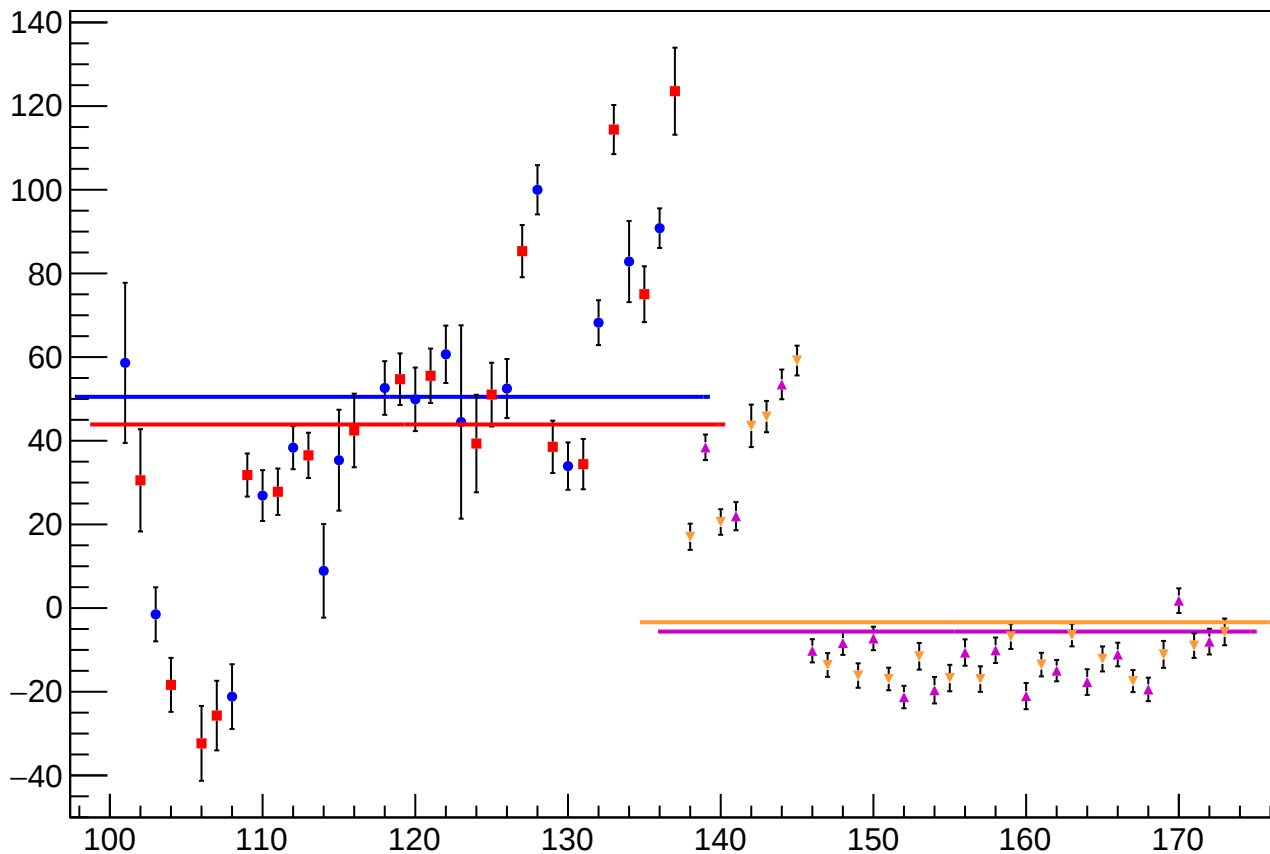
Right: 18.605 ± 0.626 χ^2/NDF : 406.7/34

In: 11.443 ± 0.459 χ^2/NDF : 398.5/33

Out: 11.807 ± 0.437 χ^2/NDF : 413.5/36

All: 11.634 ± 0.317 χ^2/NDF : 812.3/70

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.497 $\pm$ 1.671 χ^2 /NDF: 363.2/16

Left Out: -3.379 $\pm$ 0.704 χ^2 /NDF:834.2/18

Right Out: 43.895 $\pm$ 1.604 χ^2 /NDF: 531.7/17

Left In: -5.615 $\pm$ 0.718 χ^2 /NDF:703.0/16

Left: -4.474 $\pm$ 0.503 χ^2 /NDF: 1542.1/35

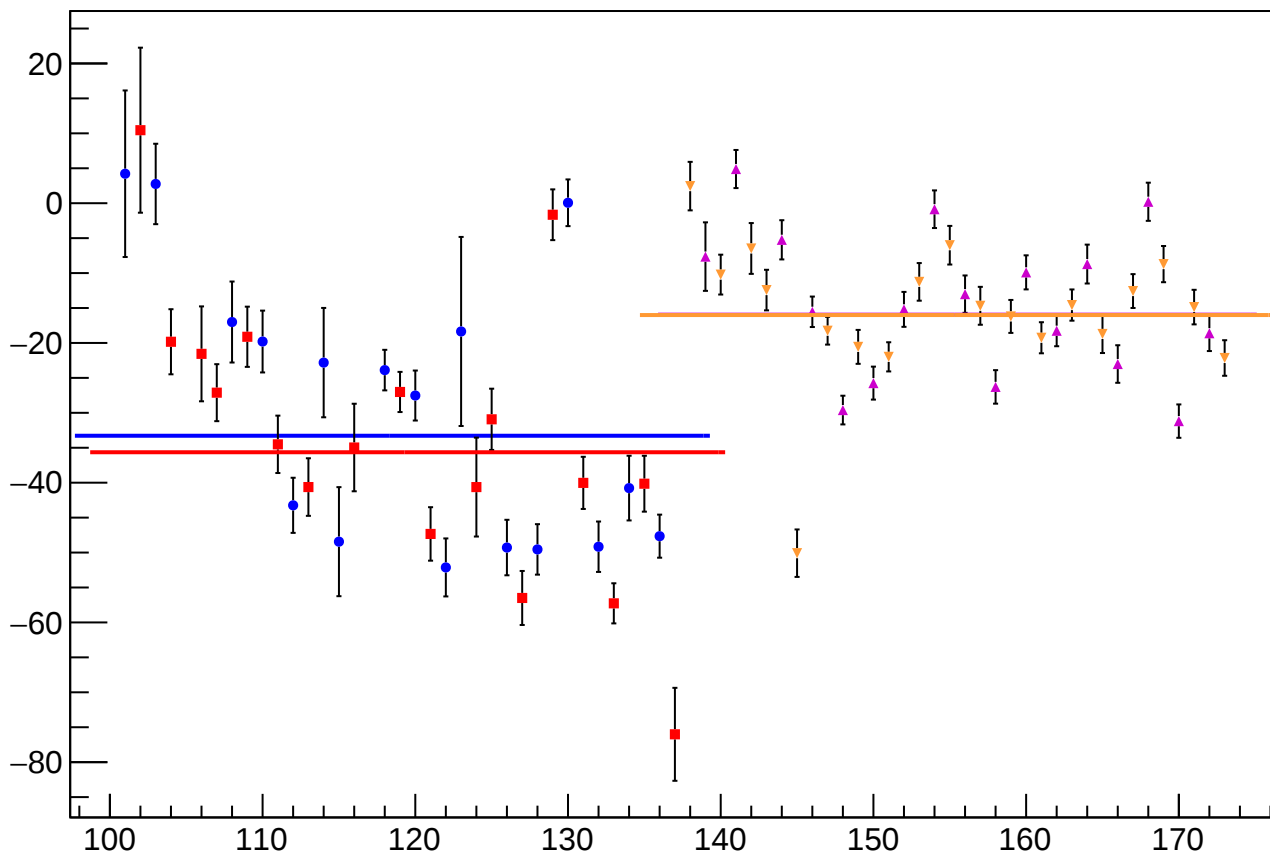
Right: 47.060 $\pm$ 1.157 χ^2 /NDF: 903.0/34

In: 3.137 $\pm$ 0.660 χ^2 /NDF:2018.1/33

Out: 4.253 $\pm$ 0.644 χ^2 /NDF:2094.6/36

All: 3.708 $\pm$ 0.461 χ^2 /NDF: 4114.1/70

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.035 $\chi^2/\text{NDF}: 292.9/16$

Left Out: -16.006 ± 0.588 $\chi^2/\text{NDF}: 190.4/18$

Right Out: -35.644 ± 0.993 $\chi^2/\text{NDF}: 284.6/17$

Left In: -15.948 ± 0.615 $\chi^2/\text{NDF}: 286.3/16$

Left: -15.979 ± 0.425 $\chi^2/\text{NDF}: 476.7/35$

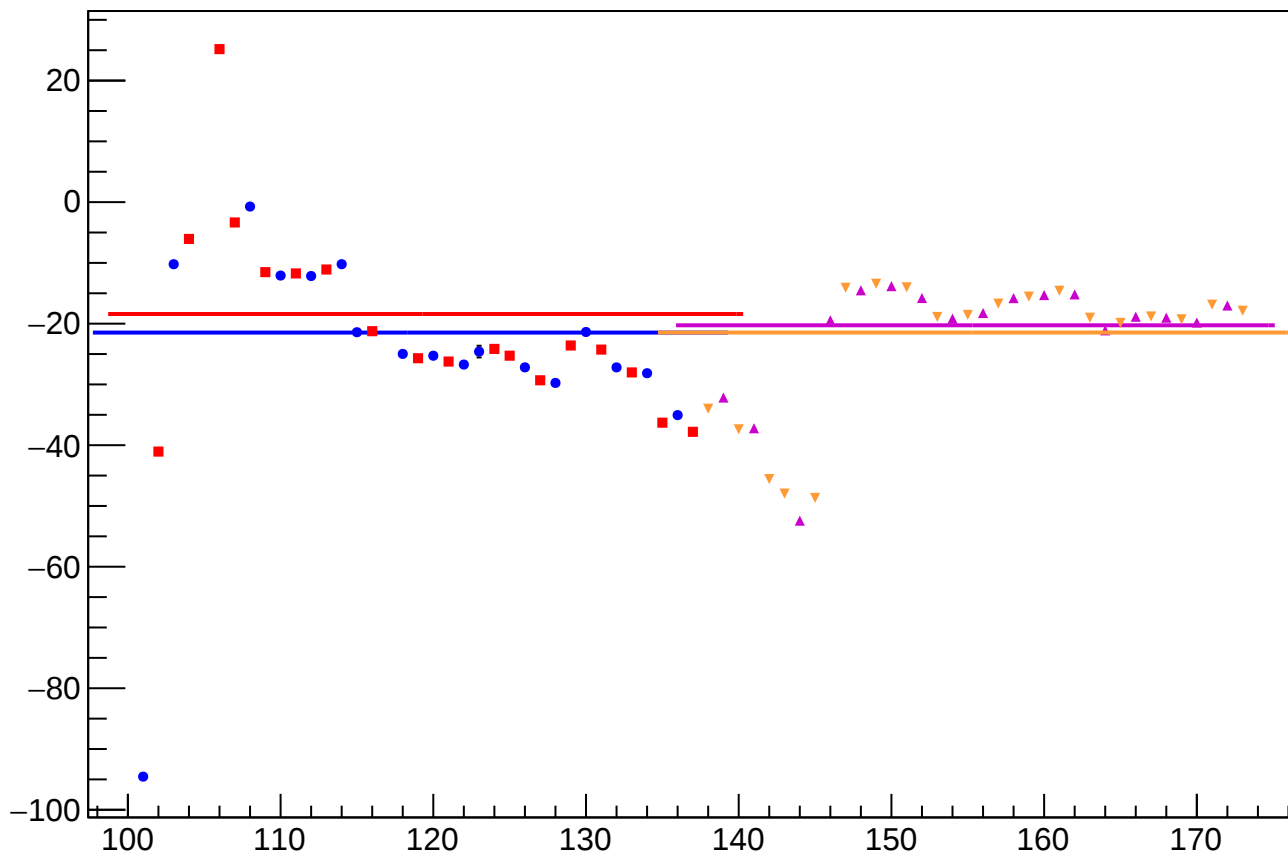
Right: -34.511 ± 0.716 $\chi^2/\text{NDF}: 580.2/34$

In: -20.472 ± 0.529 $\chi^2/\text{NDF}: 786.6/33$

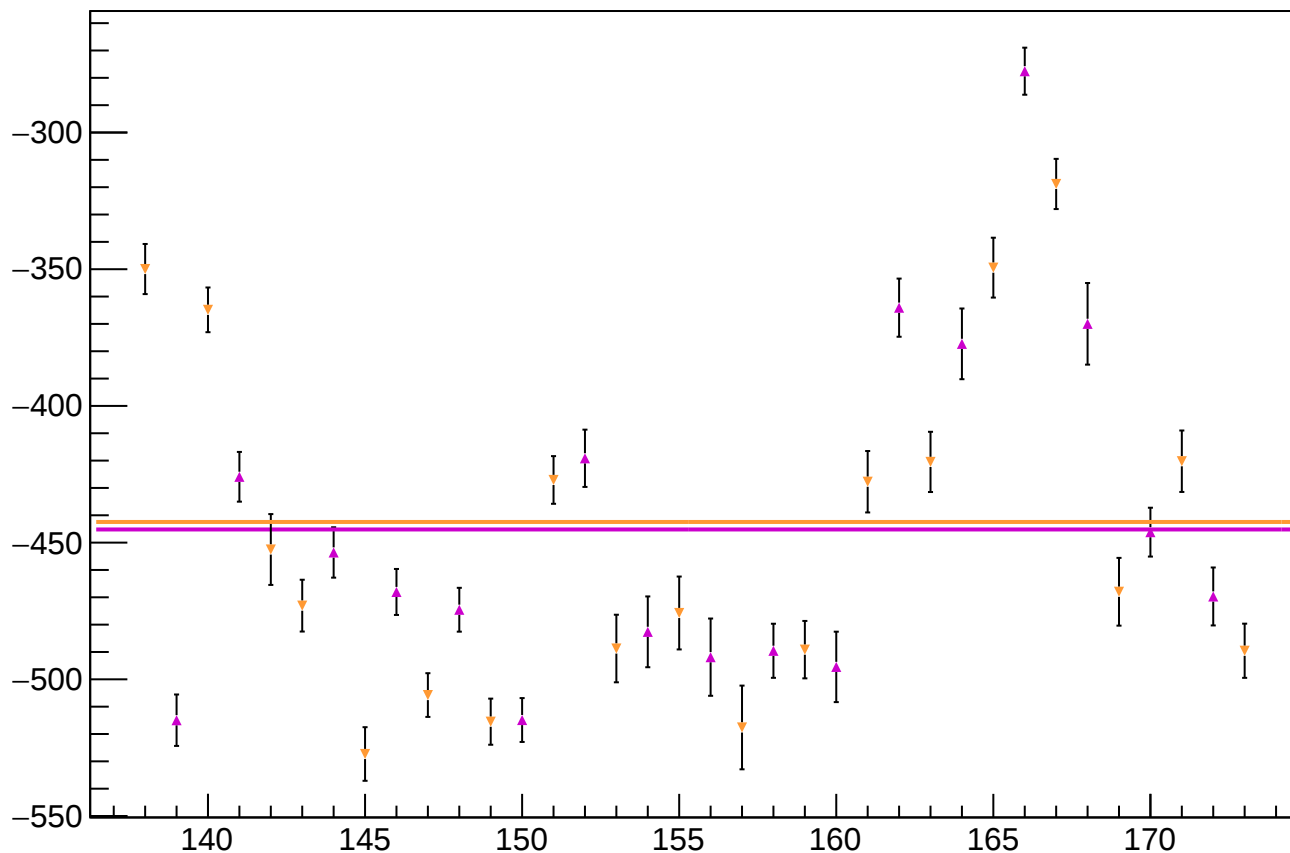
Out: -21.101 ± 0.506 $\chi^2/\text{NDF}: 764.7/36$

All: -20.800 ± 0.365 $\chi^2/\text{NDF}: 1552.0/70$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -442.444+/-2.333 χ^2/NDF : 772.9/18

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

Left In: -445.191+/-2.418 χ^2/NDF : 713.2/16

Left: -443.768+/-1.679 χ^2/NDF : 1486.8/35

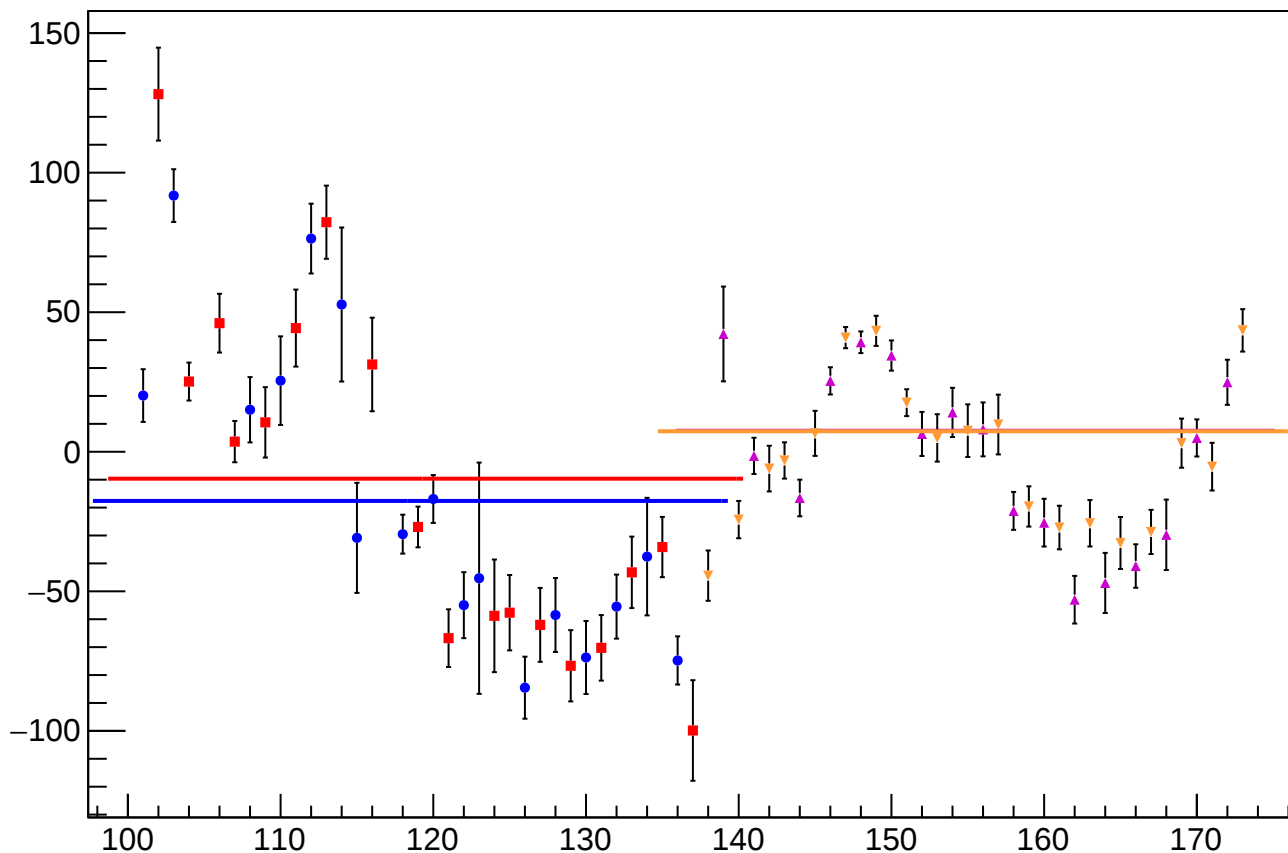
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -445.191+/-2.418 χ^2/NDF : 713.2/16

Out: -442.444+/-2.333 χ^2/NDF : 772.9/18

All: -443.768+/-1.679 χ^2/NDF : 1486.8/35

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.619 ± 2.786 $\chi^2/\text{NDF}: 362.0/16$

Left Out: 7.351 ± 1.599 $\chi^2/\text{NDF}: 301.7/18$

Right Out: -9.641 ± 2.613 $\chi^2/\text{NDF}: 360.7/17$

Left In: 7.517 ± 1.688 $\chi^2/\text{NDF}: 285.7/16$

Left: 7.430 ± 1.161 $\chi^2/\text{NDF}: 587.4/35$

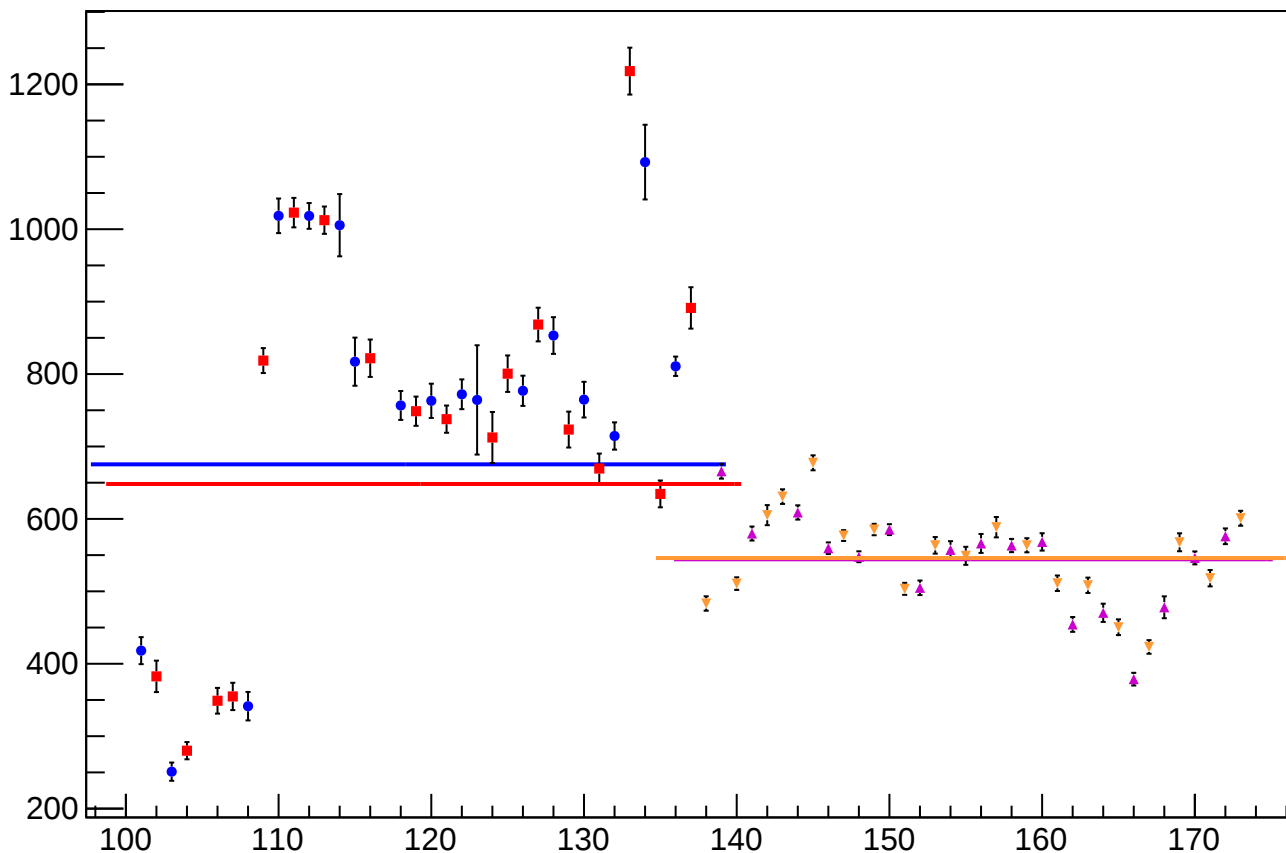
Right: -13.374 ± 1.906 $\chi^2/\text{NDF}: 727.1/34$

In: 0.768 ± 1.444 $\chi^2/\text{NDF}: 707.3/33$

Out: 2.721 ± 1.364 $\chi^2/\text{NDF}: 693.1/36$

All: 1.801 ± 0.991 $\chi^2/\text{NDF}: 1401.4/70$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.339 $\pm$ 5.046 χ^2 /NDF: 2582.7/16

Left Out: 545.966 $\pm$ 2.313 χ^2 /NDF: 698.2/18

Right Out: 648.229 $\pm$ 4.775 χ^2 /NDF: 3059.0/17

Left In: 544.207 $\pm$ 2.374 χ^2 /NDF: 756.4/16

Left: 545.109 $\pm$ 1.657 χ^2 /NDF: 1454.9/35

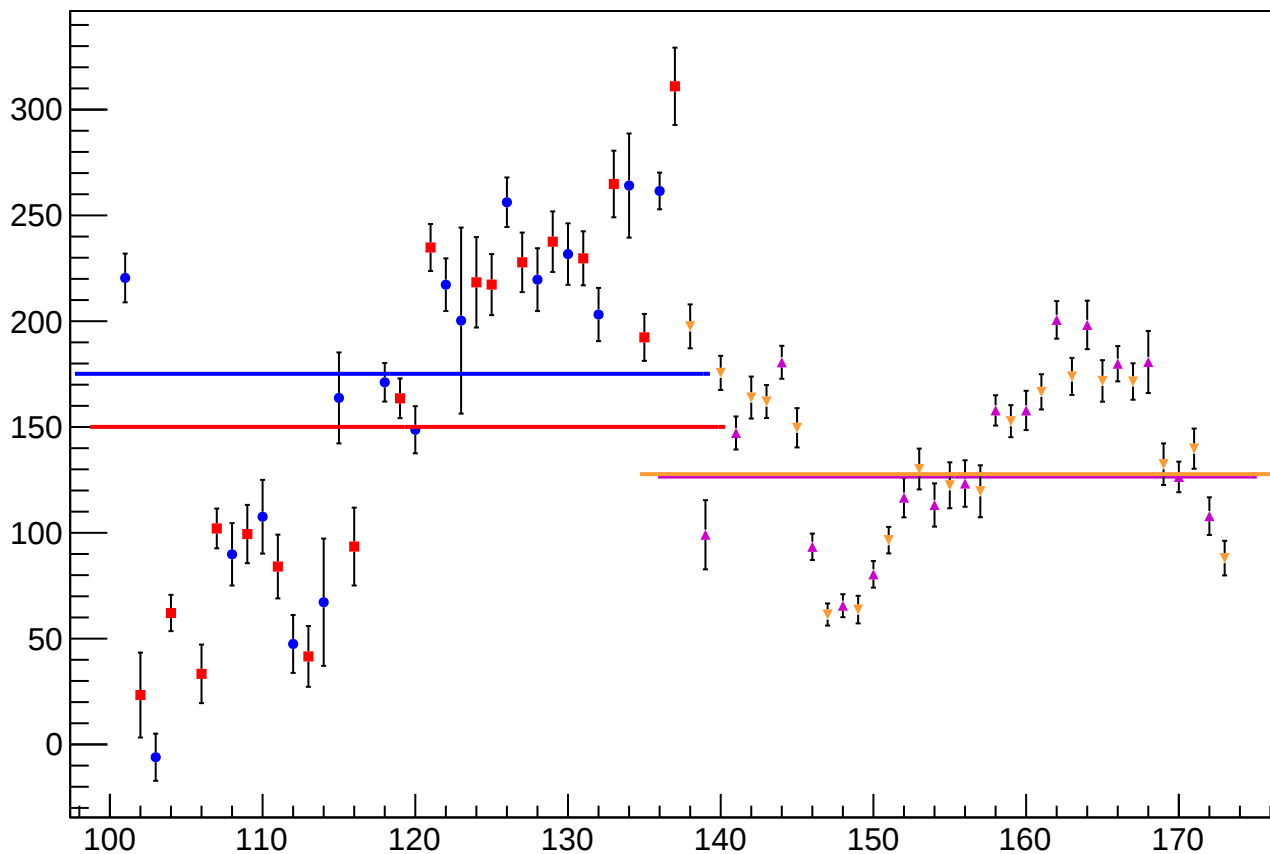
Right: 661.037 $\pm$ 3.468 χ^2 /NDF: 5656.9/34

In: 567.969 $\pm$ 2.148 χ^2 /NDF: 3892.1/33

Out: 565.400 $\pm$ 2.082 χ^2 /NDF: 4128.7/36

All: 566.644 $\pm$ 1.495 χ^2 /NDF: 8021.6/70

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.142 $\pm$ 3.209 χ^2 /NDF: 635.6/16

Left Out: 127.737 $\pm$ 1.892 χ^2 /NDF:533.4/18

Right Out: 150.054 $\pm$ 3.045 χ^2 /NDF: 686.2/17

Left In: 126.576 $\pm$ 1.988 χ^2 /NDF:467.3/16

Left: 127.185 $\pm$ 1.370 χ^2 /NDF: 1000.8/35

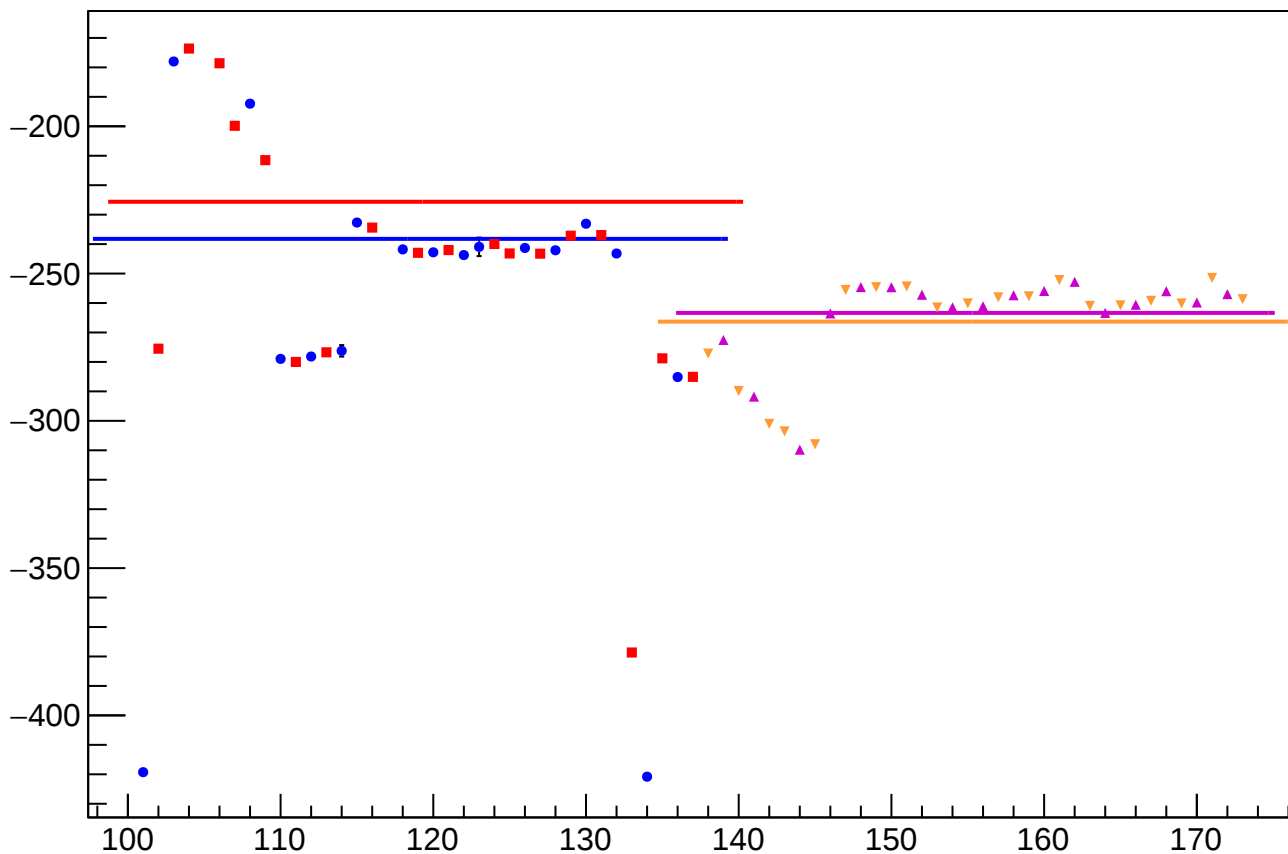
Right: 161.941 $\pm$ 2.209 χ^2 /NDF: 1354.0/34

In: 140.042 $\pm$ 1.690 χ^2 /NDF:1268.4/33

Out: 133.951 $\pm$ 1.607 χ^2 /NDF:1258.3/36

All: 136.843 $\pm$ 1.165 χ^2 /NDF: 2533.5/70

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2/NDF : 167098.2/16

Left Out: -266.319+/-0.092 χ^2/NDF : 35555.7/18

Right Out: -225.623+/-0.152 χ^2/NDF : 95450.2/17

Left In: -263.352+/-0.094 χ^2/NDF : 21225.1/16

Left: -264.869+/-0.066 χ^2/NDF : 57291.1/35

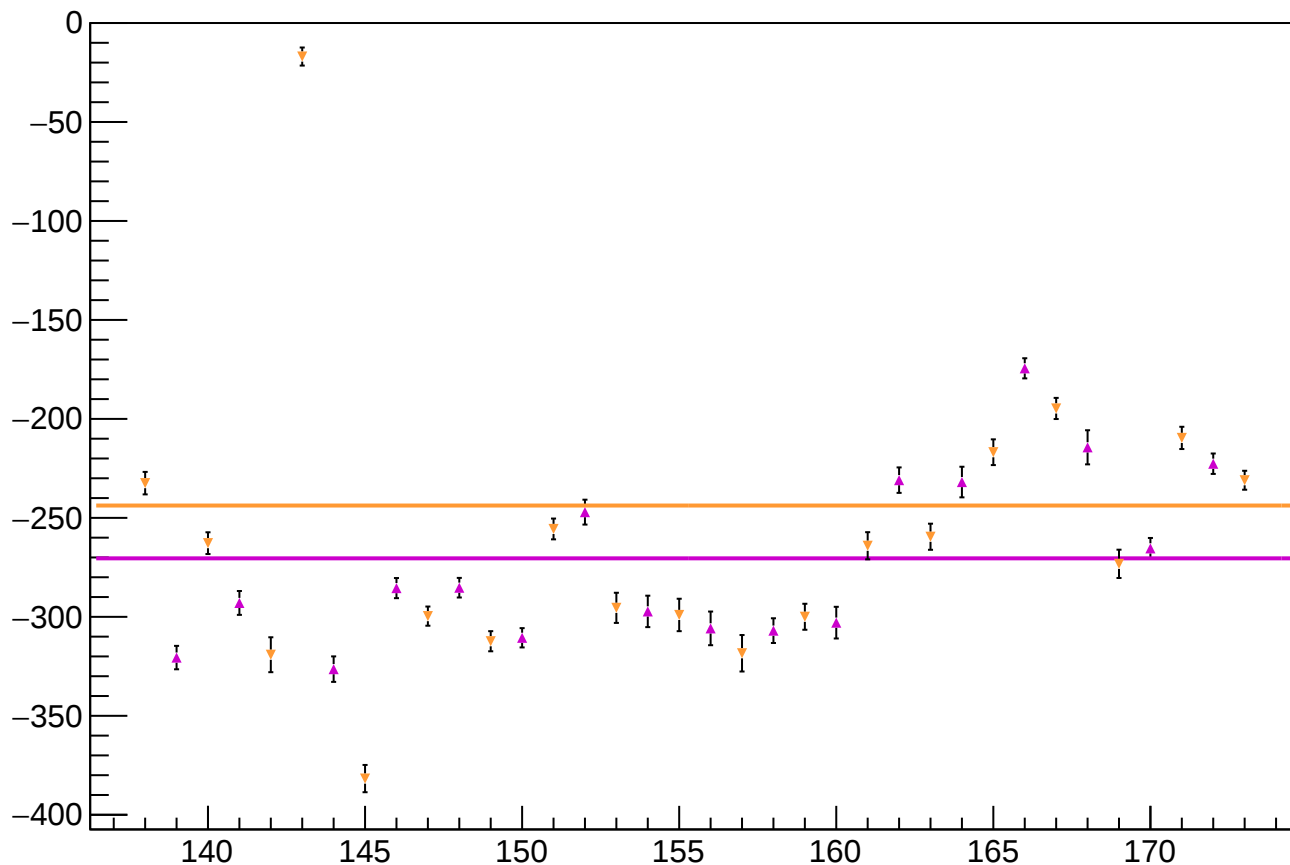
Right: -231.577+/-0.110 χ^2/NDF : 265811.9/34

In: -256.911+/-0.081 χ^2/NDF : 206663.8/33

Out: -255.390+/-0.079 χ^2/NDF : 183735.5/36

All: -256.127+/-0.056 χ^2/NDF : 390580.9/70

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: -243.765+/-1.375 χ^2/NDF :3688.8/18

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

Left In: -270.449+/-1.467 χ^2/NDF :887.8/16

Left: -256.247+/-1.003 χ^2/NDF : 4752.7/35

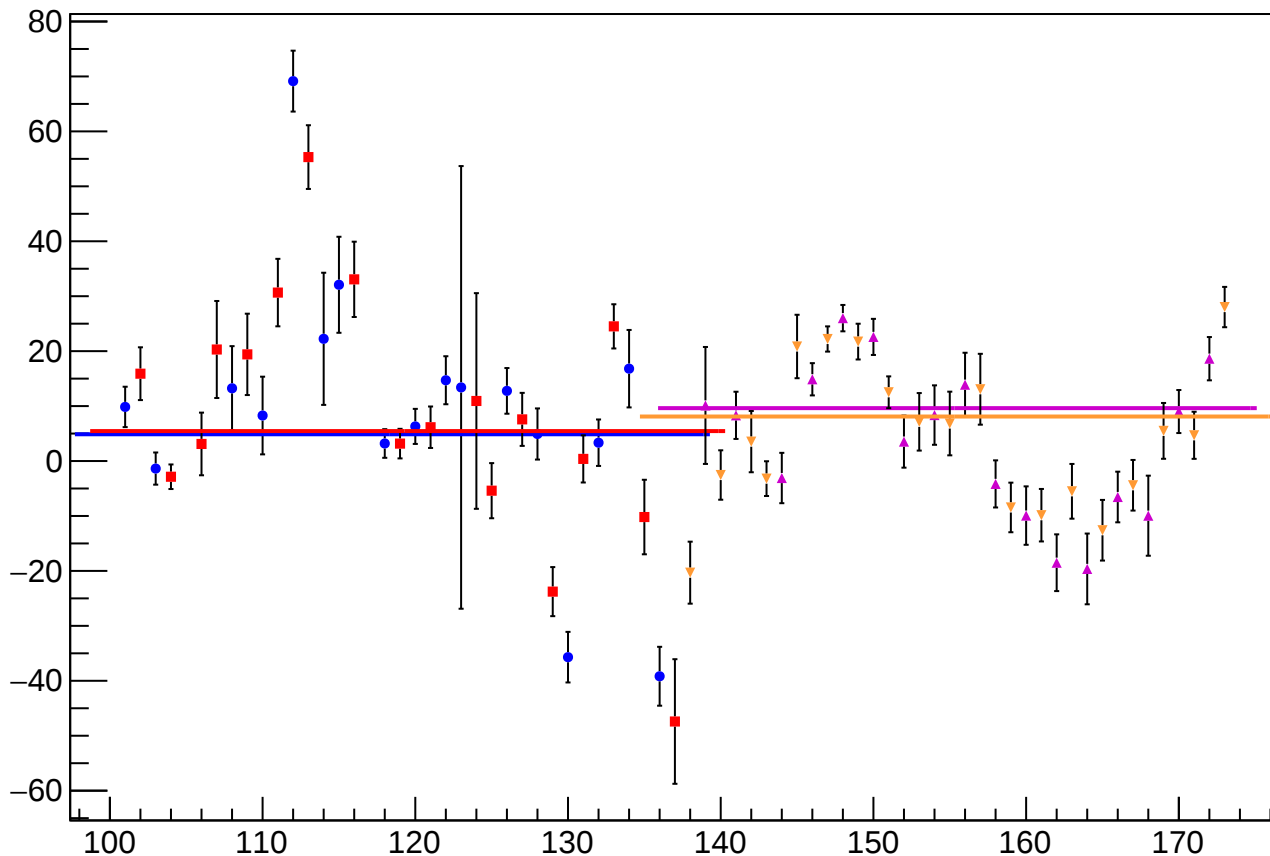
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -270.449+/-1.467 χ^2/NDF :887.8/16

Out: -243.765+/-1.375 χ^2/NDF :3688.8/18

All: -256.247+/-1.003 χ^2/NDF : 4752.7/35

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.870 ± 1.091 χ^2/NDF : 311.5/16

Left Out: 8.101 ± 0.946 χ^2/NDF : 194.5/18

Right Out: 5.450 ± 1.071 χ^2/NDF : 231.5/17

Left In: 9.627 ± 1.027 χ^2/NDF : 174.4/16

Left: 8.802 ± 0.696 χ^2/NDF : 370.1/35

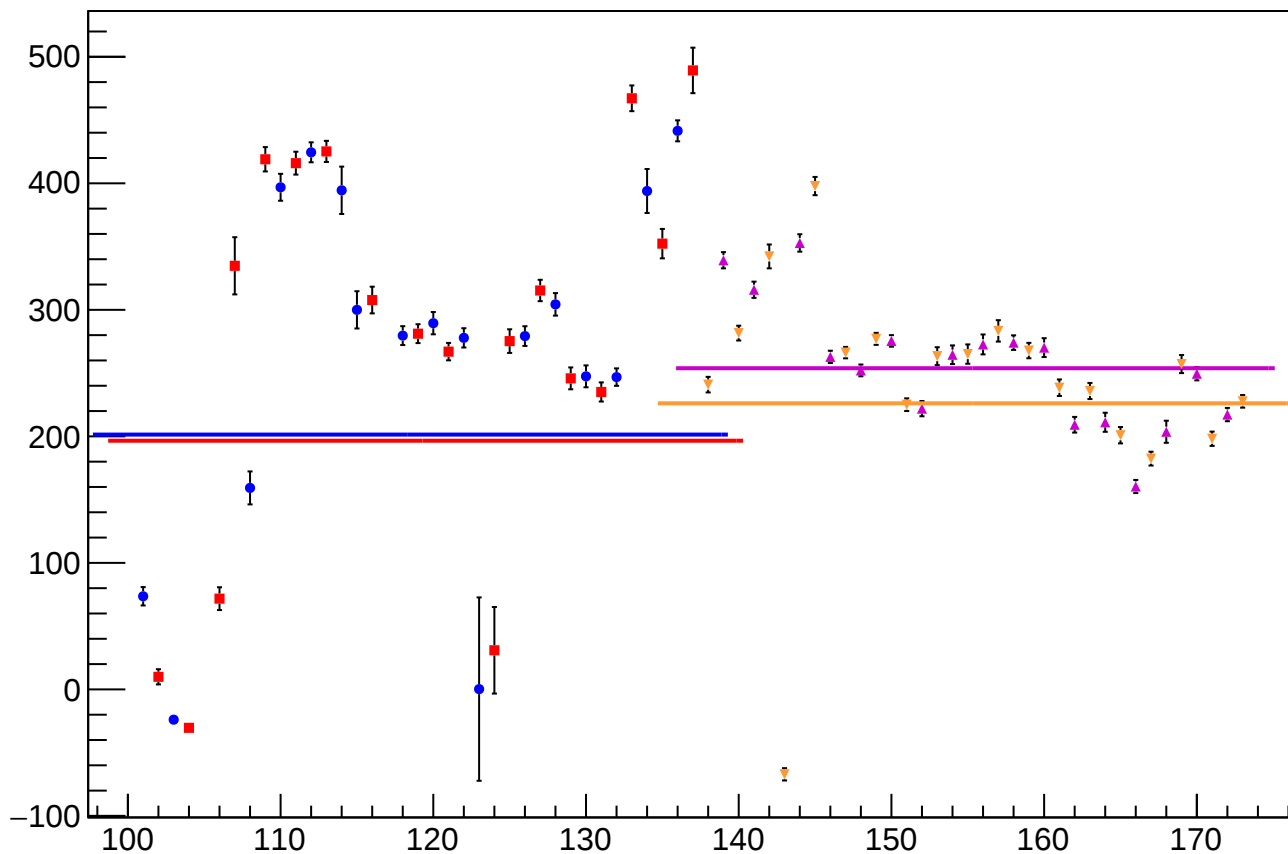
Right: 5.165 ± 0.764 χ^2/NDF : 543.2/34

In: 7.391 ± 0.748 χ^2/NDF : 496.0/33

Out: 6.939 ± 0.709 χ^2/NDF : 429.5/36

All: 7.153 ± 0.514 χ^2/NDF : 925.7/70

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 201.407 $\pm$ 1.974 χ^2 /NDF: 6740.4/16

Left Out: 226.115 $\pm$ 1.366 χ^2 /NDF: 4910.5/18

Right Out: 196.565 $\pm$ 1.931 χ^2 /NDF: 8178.1/17

Left In: 253.857 $\pm$ 1.439 χ^2 /NDF: 1048.2/16

Left: 239.264 $\pm$ 0.991 χ^2 /NDF: 6154.2/35

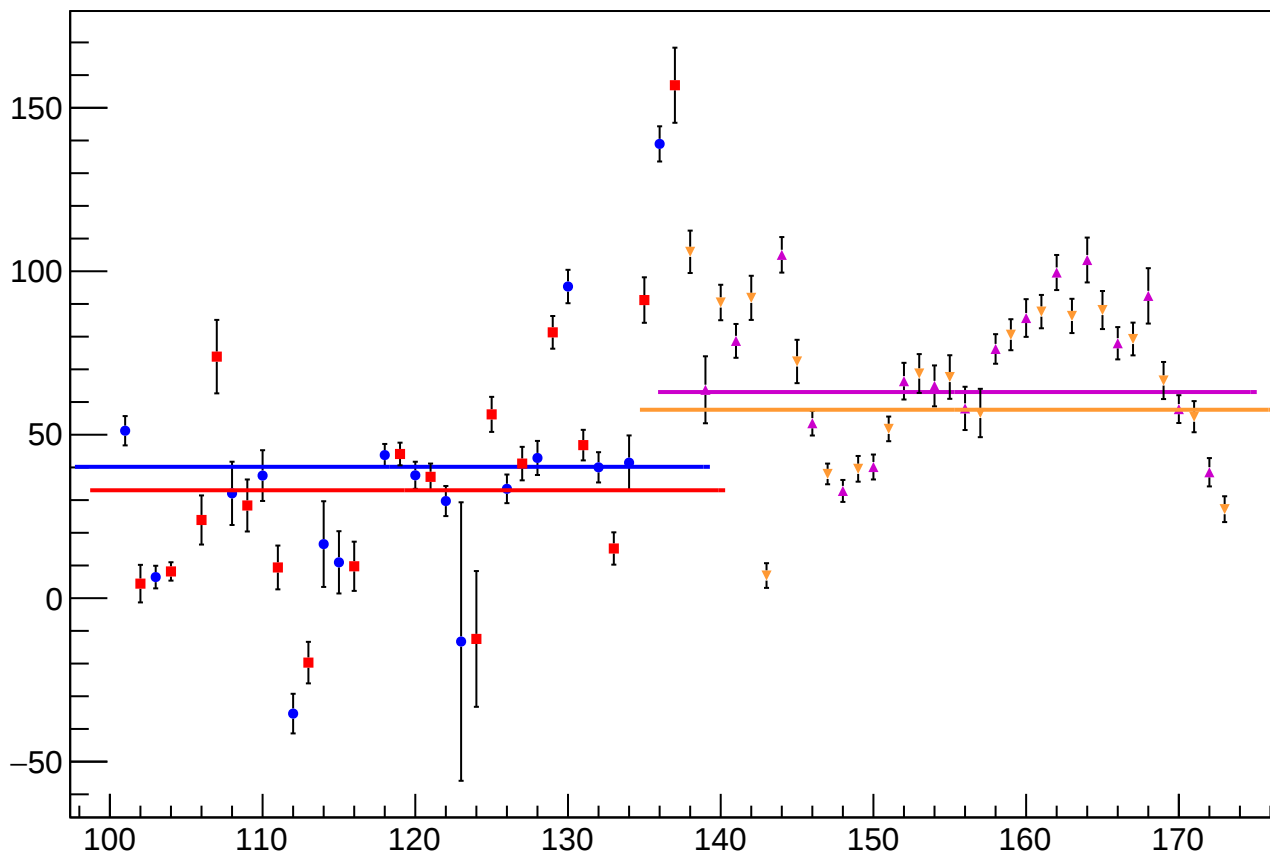
Right: 198.933 $\pm$ 1.380 χ^2 /NDF: 14921.6/34

In: 235.652 $\pm$ 1.163 χ^2 /NDF: 8249.7/33

Out: 216.261 $\pm$ 1.115 χ^2 /NDF: 13244.6/36

All: 225.552 $\pm$ 0.805 χ^2 /NDF: 21639.2/70

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.183+/-1.270 χ^2/NDF : 734.0/16

Left Out: 57.639+/-1.115 χ^2/NDF : 566.8/18

Right Out: 33.009+/-1.253 χ^2/NDF : 547.2/17

Left In: 63.056+/-1.206 χ^2/NDF : 353.1/16

Left: 60.134+/-0.819 χ^2/NDF : 930.8/35

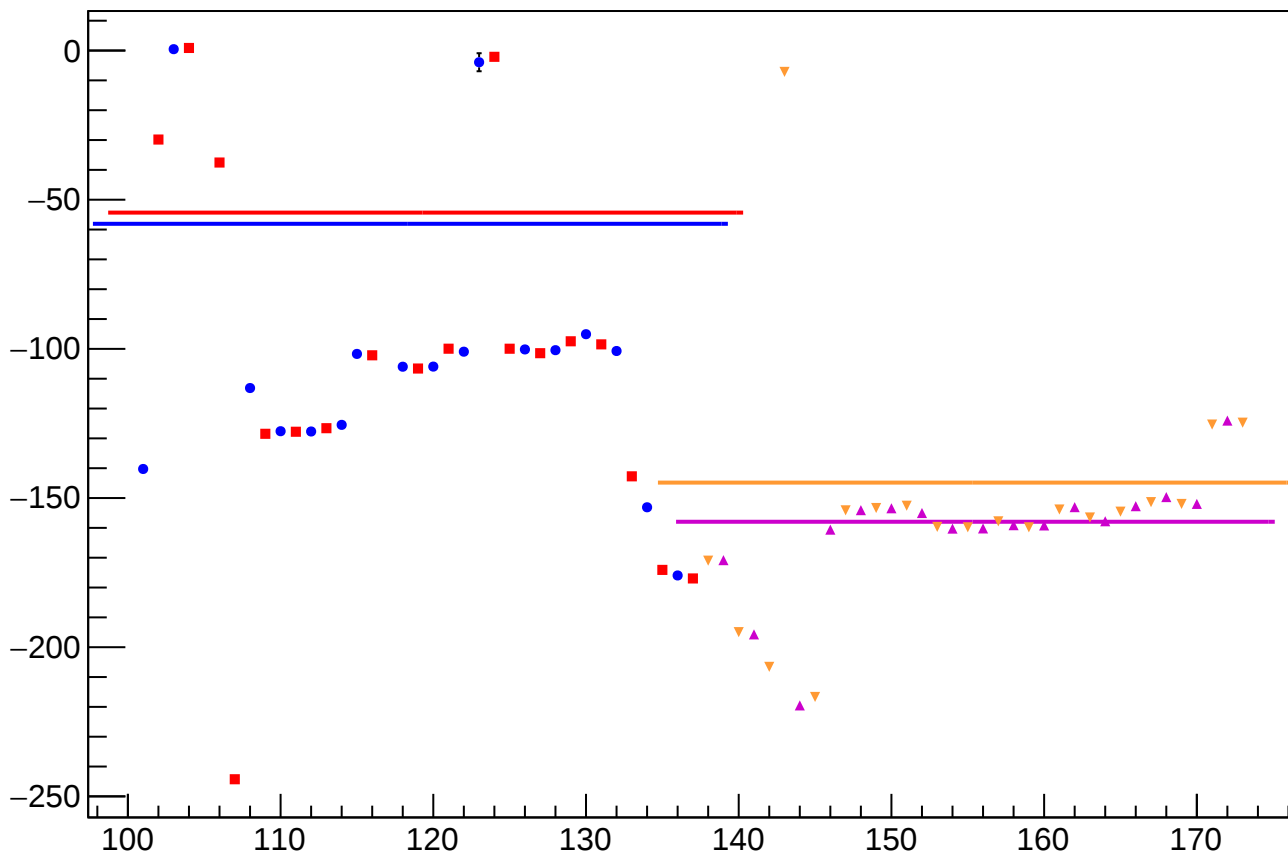
Right: 36.547+/-0.892 χ^2/NDF : 1297.4/34

In: 52.205+/-0.875 χ^2/NDF : 1257.7/33

Out: 46.752+/-0.833 χ^2/NDF : 1329.6/36

All: 49.346+/-0.603 χ^2/NDF : 2607.7/70

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.077 ± 0.062 $\chi^2/\text{NDF}: 1104437.7/16$

Left Out: -144.824 ± 0.054 $\chi^2/\text{NDF}: 683143.3/18$

Right Out: -54.323 ± 0.060 $\chi^2/\text{NDF}: 991053.6/17$

Left In: -157.950 ± 0.057 $\chi^2/\text{NDF}: 102573.2/16$

Left: -151.054 ± 0.039 $\chi^2/\text{NDF}: 813838.3/35$

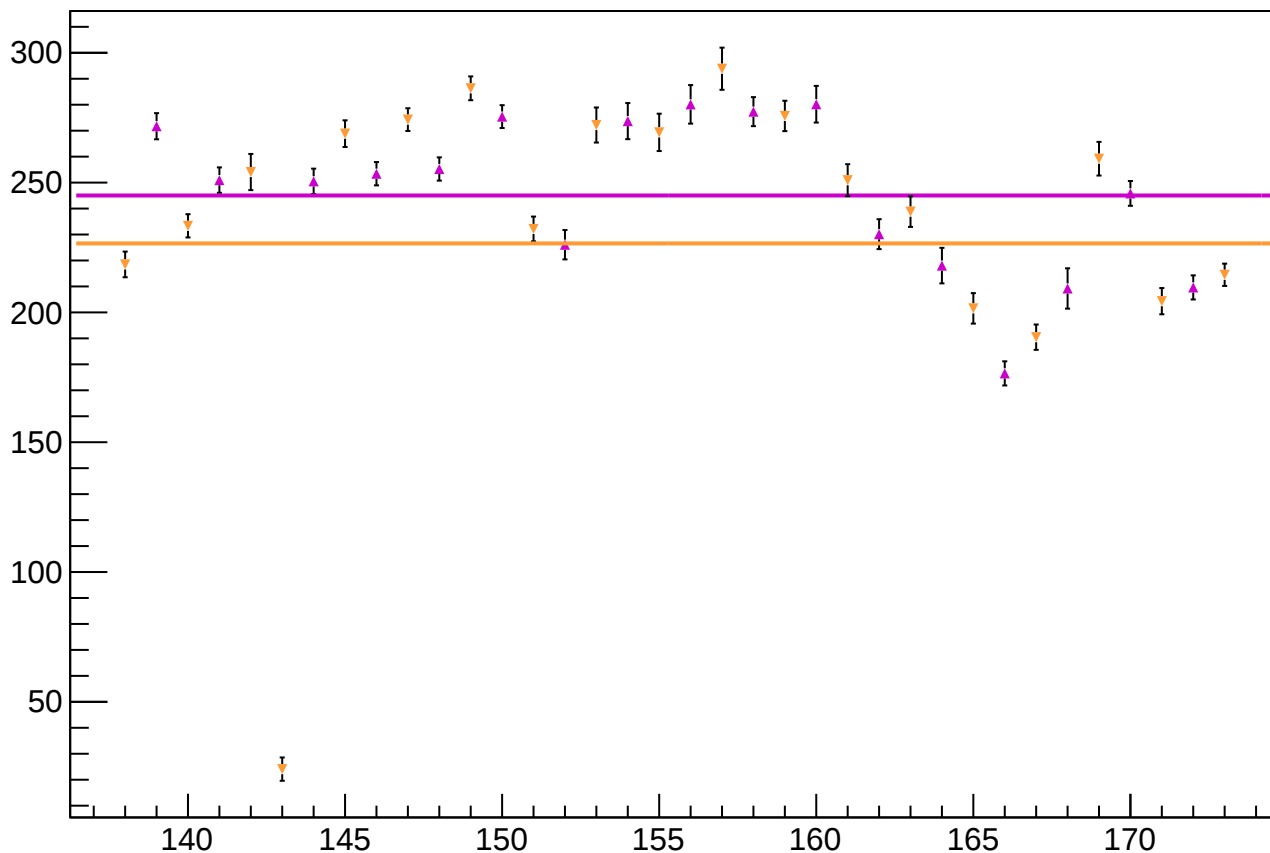
Right: -56.164 ± 0.043 $\chi^2/\text{NDF}: 2097382.5/34$

In: -112.128 ± 0.042 $\chi^2/\text{NDF}: 2628710.9/33$

Out: -104.711 ± 0.040 $\chi^2/\text{NDF}: 2922591.8/36$

All: -108.284 ± 0.029 $\chi^2/\text{NDF}: 5567671.0/70$

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: 226.573+/-1.220 χ^2/NDF :2776.9/18

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

Left In: 245.037+/-1.290 χ^2/NDF :514.7/16

Left: 235.290+/-0.886 χ^2/NDF : 3399.7/35

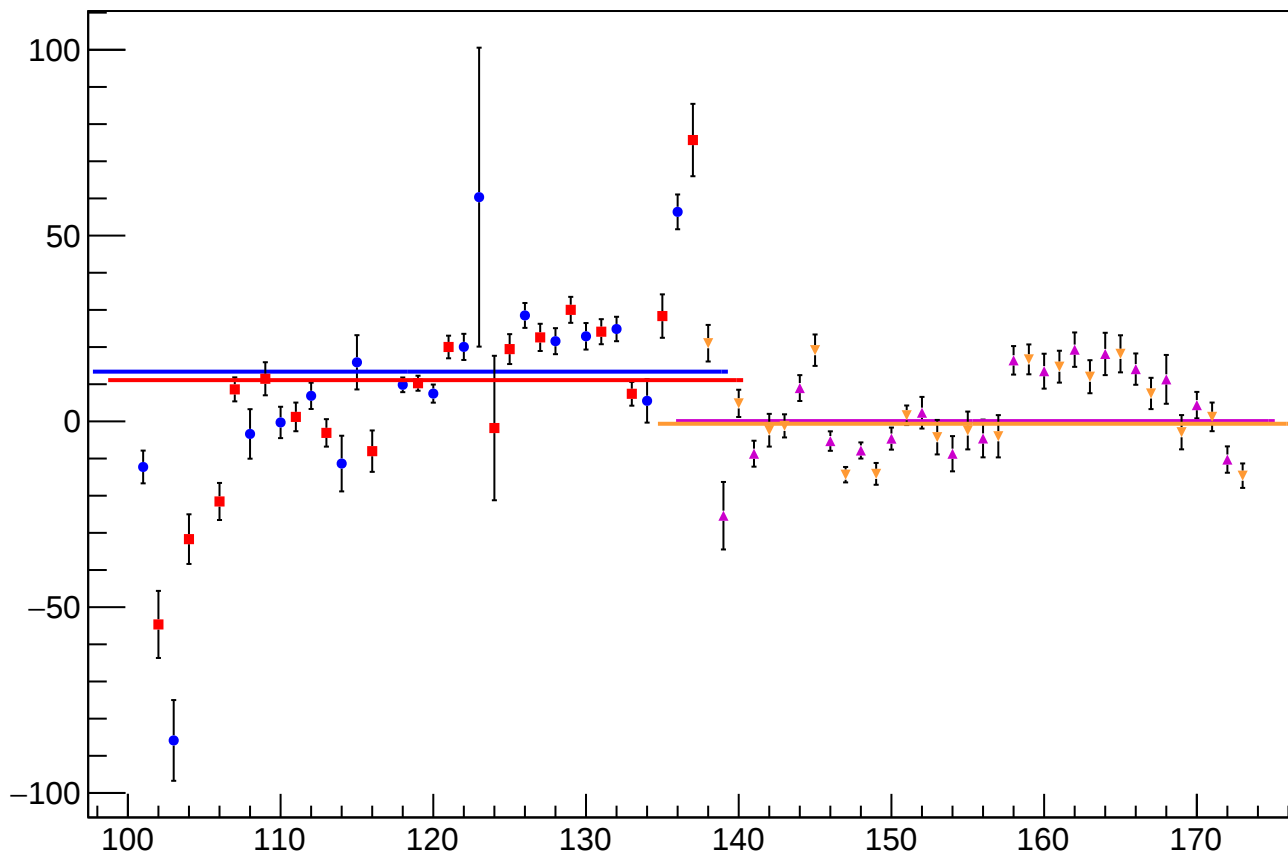
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 245.037+/-1.290 χ^2/NDF :514.7/16

Out: 226.573+/-1.220 χ^2/NDF :2776.9/18

All: 235.290+/-0.886 χ^2/NDF : 3399.7/35

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.385+/-0.921 χ^2/NDF : 294.1/16

Left Out: -0.642+/-0.844 χ^2/NDF :186.2/18

Right Out: 11.101+/-0.915 χ^2/NDF : 292.2/17

Left In: 0.078+/-0.907 χ^2/NDF :122.8/16

Left: -0.308+/-0.618 χ^2/NDF : 309.4/35

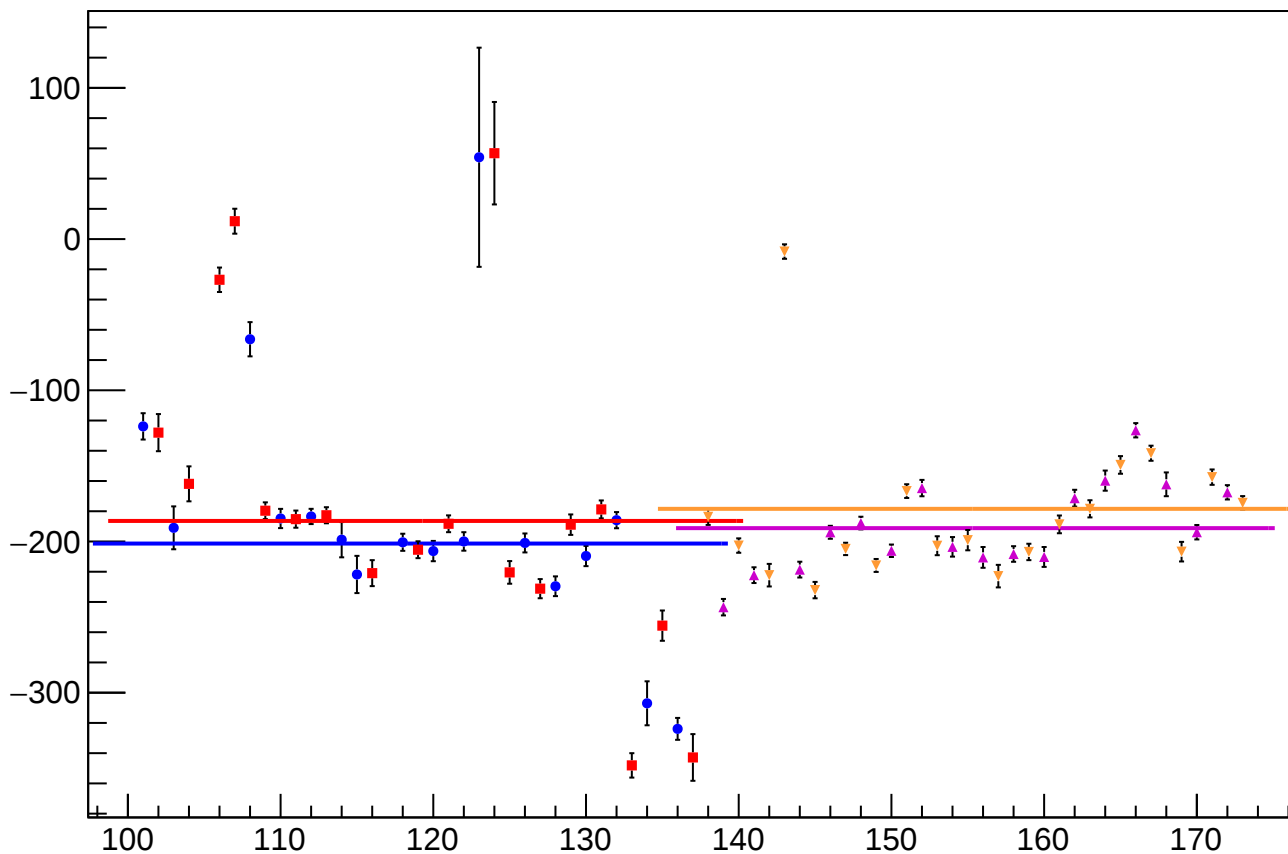
Right: 12.236+/-0.649 χ^2/NDF : 589.4/34

In: 6.631+/-0.646 χ^2/NDF :522.8/33

Out: 4.753+/-0.620 χ^2/NDF :567.4/36

All: 5.653+/-0.448 χ^2/NDF : 1094.6/70

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.367 ± 1.784 χ^2/NDF : 625.0/16

Left Out: -178.406 ± 1.214 χ^2/NDF : 1753.0/18

Right Out: -186.409 ± 1.703 χ^2/NDF : 1699.5/17

Left In: -191.173 ± 1.269 χ^2/NDF : 485.0/16

Left: -184.506 ± 0.877 χ^2/NDF : 2290.8/35

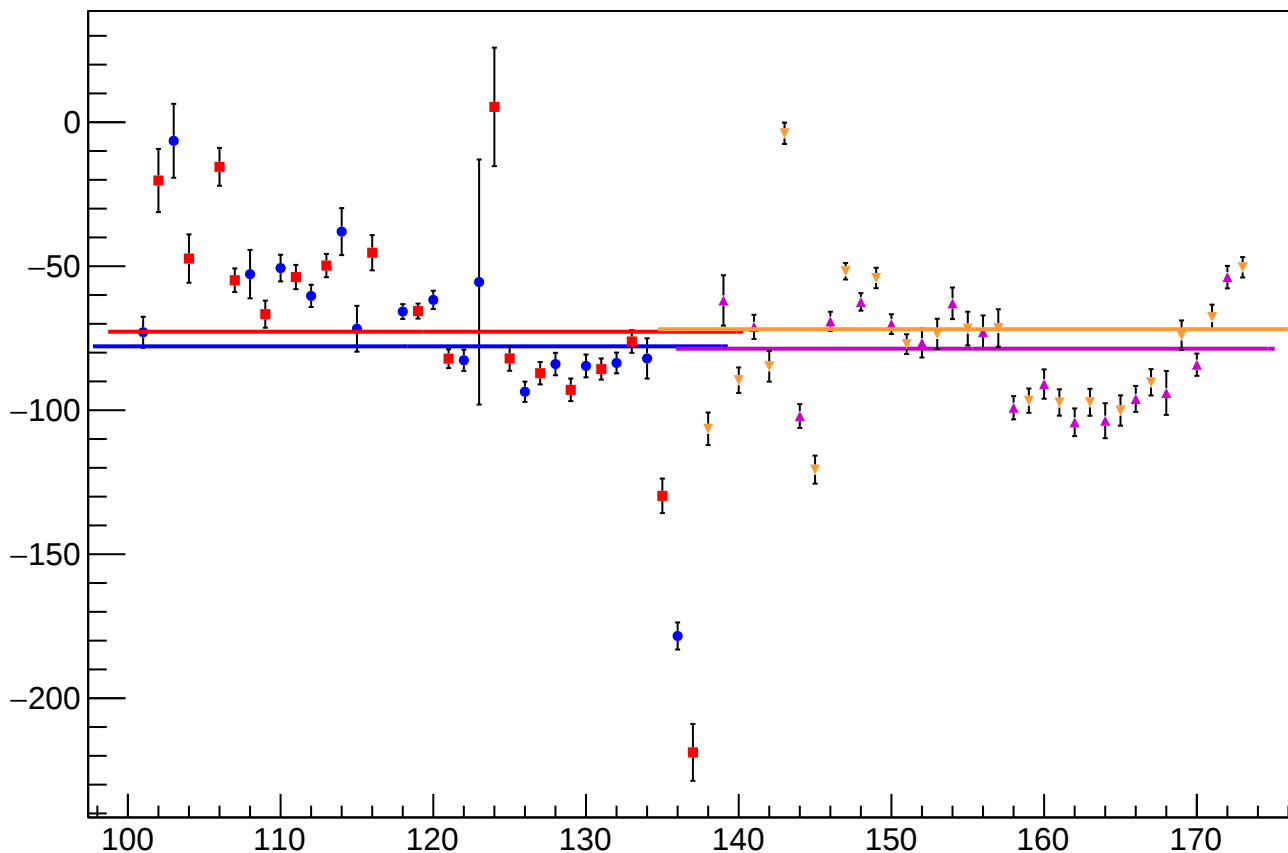
Right: -193.544 ± 1.232 χ^2/NDF : 2361.2/34

In: -194.599 ± 1.034 χ^2/NDF : 1131.6/33

Out: -181.101 ± 0.989 χ^2/NDF : 3467.1/36

All: -187.547 ± 0.715 χ^2/NDF : 4687.8/70

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.818 ± 1.068 χ^2/NDF : 656.4/16

Left Out: -71.872 ± 0.994 χ^2/NDF : 748.9/18

Right Out: -72.734 ± 1.054 χ^2/NDF : 599.0/17

Left In: -78.631 ± 1.065 χ^2/NDF : 229.4/16

Left: -75.017 ± 0.727 χ^2/NDF : 999.8/35

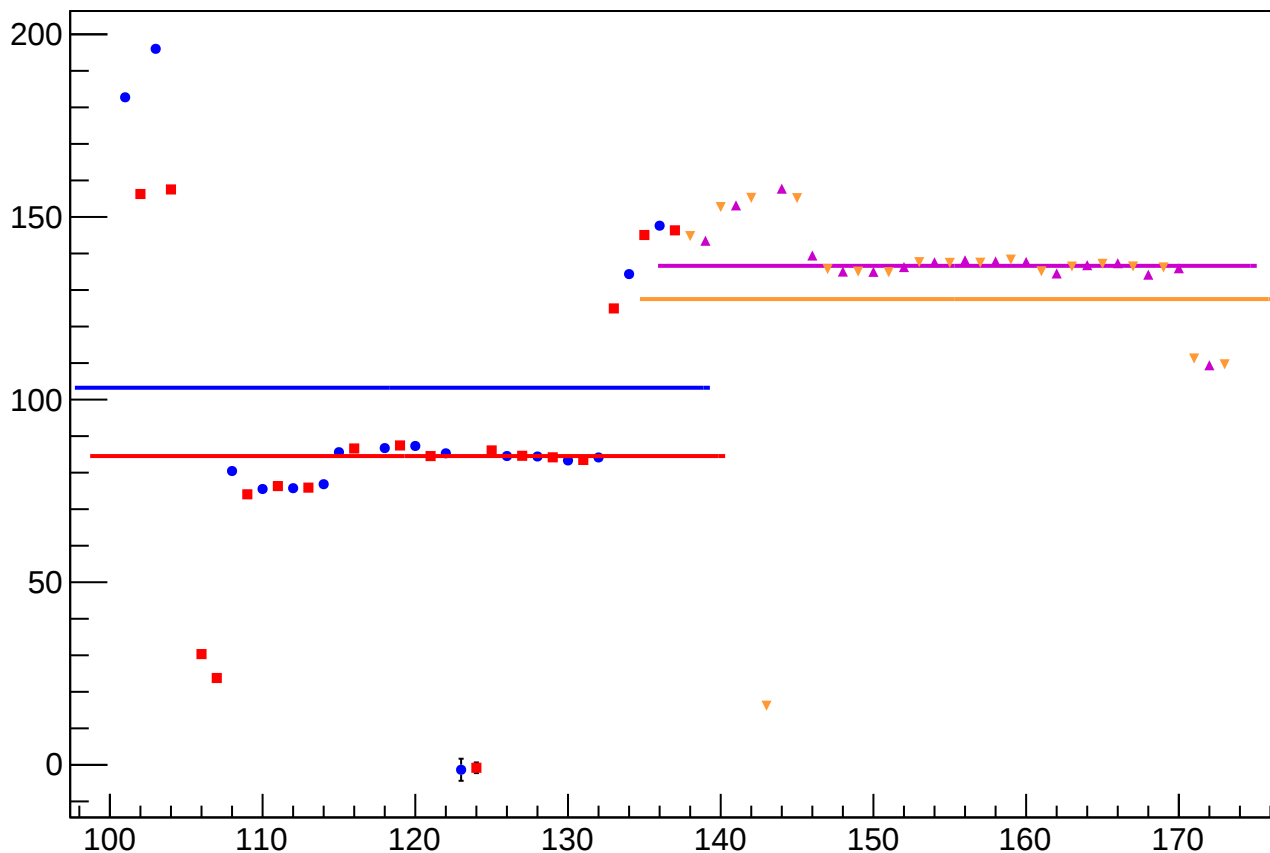
Right: -75.241 ± 0.750 χ^2/NDF : 1266.8/34

In: -78.226 ± 0.754 χ^2/NDF : 886.0/33

Out: -72.278 ± 0.723 χ^2/NDF : 1348.2/36

All: -75.126 ± 0.522 χ^2/NDF : 2266.7/70

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.247 $\pm$ 0.070 χ^2 /NDF: 273390.3/16

Left Out: 127.521 $\pm$ 0.048 χ^2 /NDF: 423045.4/18

Right Out: 84.542 $\pm$ 0.064 χ^2 /NDF: 411395.0/17

Left In: 136.619 $\pm$ 0.050 χ^2 /NDF: 42680.6/16

Left: 131.870 $\pm$ 0.035 χ^2 /NDF: 482968.2/35

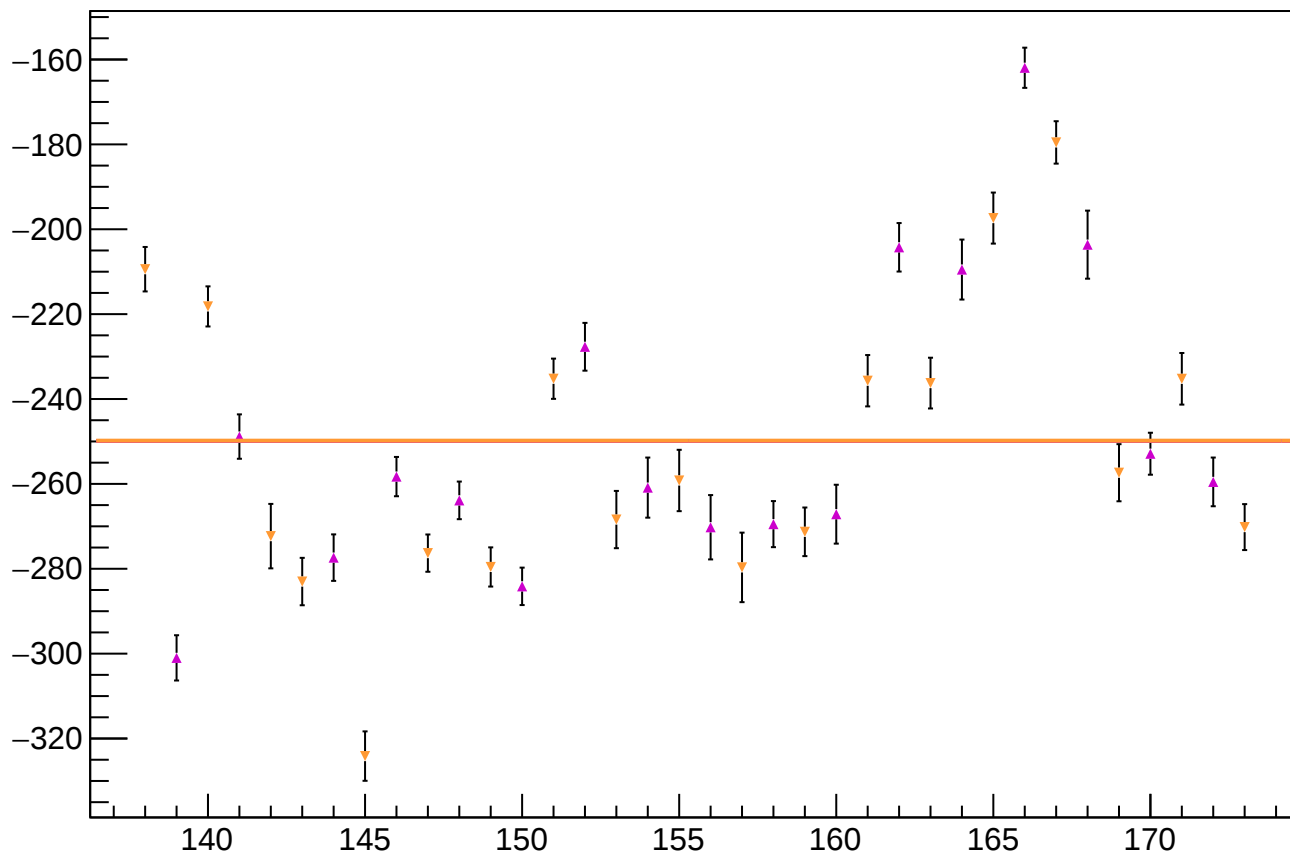
Right: 92.986 $\pm$ 0.047 χ^2 /NDF: 723450.6/34

In: 125.424 $\pm$ 0.041 χ^2 /NDF: 465150.4/33

Out: 112.064 $\pm$ 0.038 χ^2 /NDF: 1124011.3/36

All: 118.326 $\pm$ 0.028 χ^2 /NDF: 1646110.9/70

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: -249.822+/-1.295 χ^2/NDF : 741.0/18

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

Left In: -249.892+/-1.337 χ^2/NDF : 712.9/16

Left: -249.856+/-0.930 χ^2/NDF : 1453.9/35

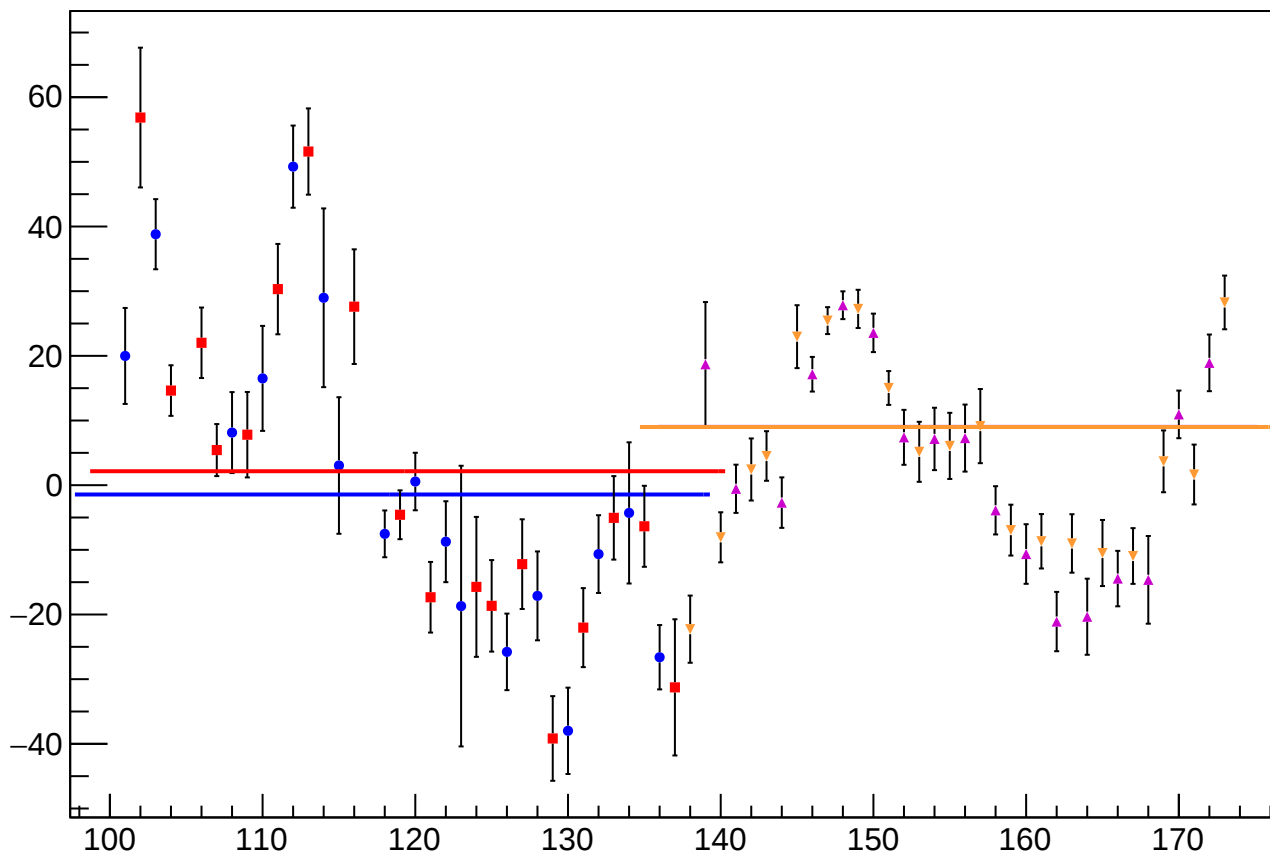
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -249.892+/-1.337 χ^2/NDF : 712.9/16

Out: -249.822+/-1.295 χ^2/NDF : 741.0/18

All: -249.856+/-0.930 χ^2/NDF : 1453.9/35

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.440 ± 1.516 χ^2/NDF : 224.4/16

Left Out: 8.998 ± 0.886 χ^2/NDF : 285.3/18

Right Out: 2.157 ± 1.401 χ^2/NDF : 230.2/17

Left In: 9.013 ± 0.932 χ^2/NDF : 272.4/16

Left: 9.005 ± 0.642 χ^2/NDF : 557.6/35

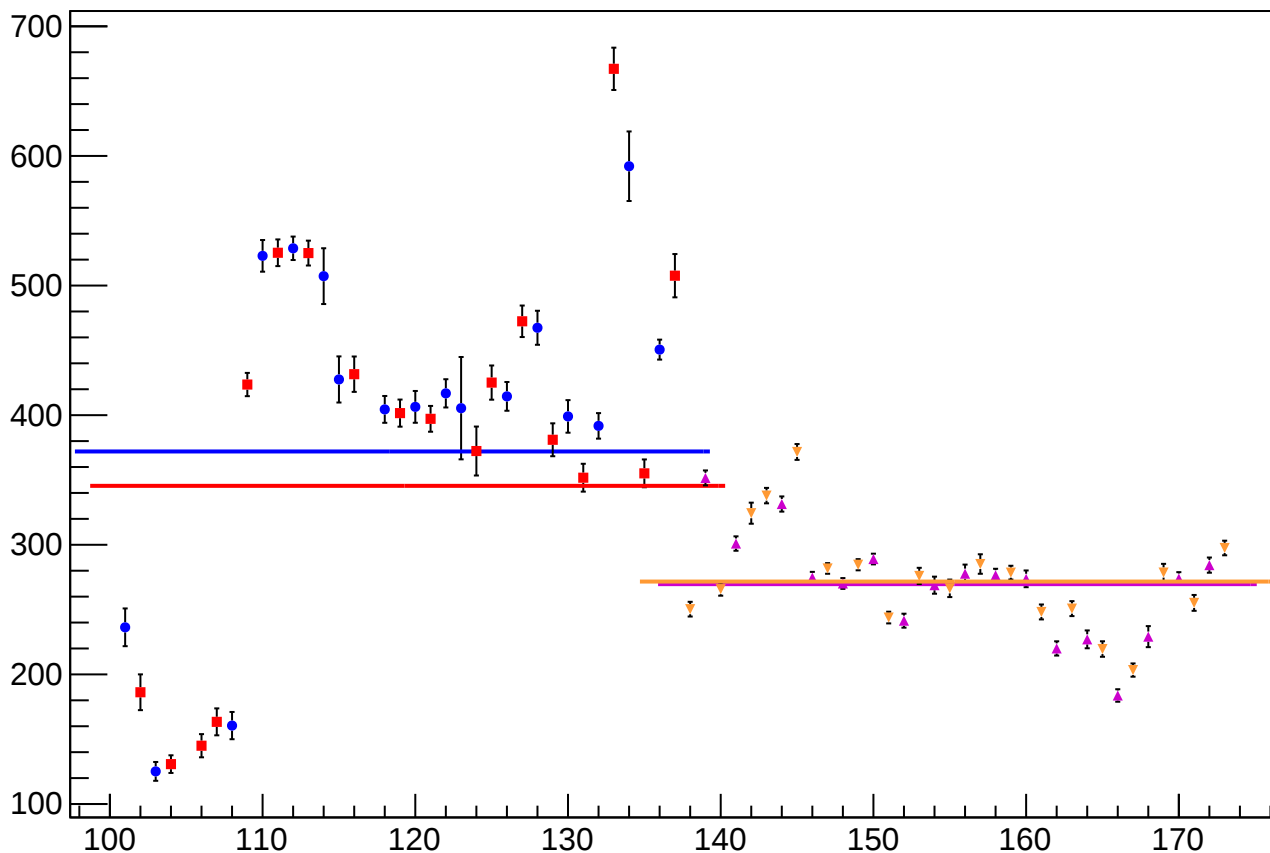
Right: 0.500 ± 1.029 χ^2/NDF : 457.6/34

In: 6.144 ± 0.794 χ^2/NDF : 531.3/33

Out: 7.045 ± 0.749 χ^2/NDF : 532.5/36

All: 6.621 ± 0.545 χ^2/NDF : 1064.5/70

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.997 $\pm$ 2.765 χ^2 /NDF: 2431.2/16

Left Out: 271.632 $\pm$ 1.280 χ^2 /NDF:821.3/18

Right Out: 345.473 $\pm$ 2.564 χ^2 /NDF: 3401.6/17

Left In: 269.633 $\pm$ 1.310 χ^2 /NDF:867.5/16

Left: 270.655 $\pm$ 0.916 χ^2 /NDF: 1689.9/35

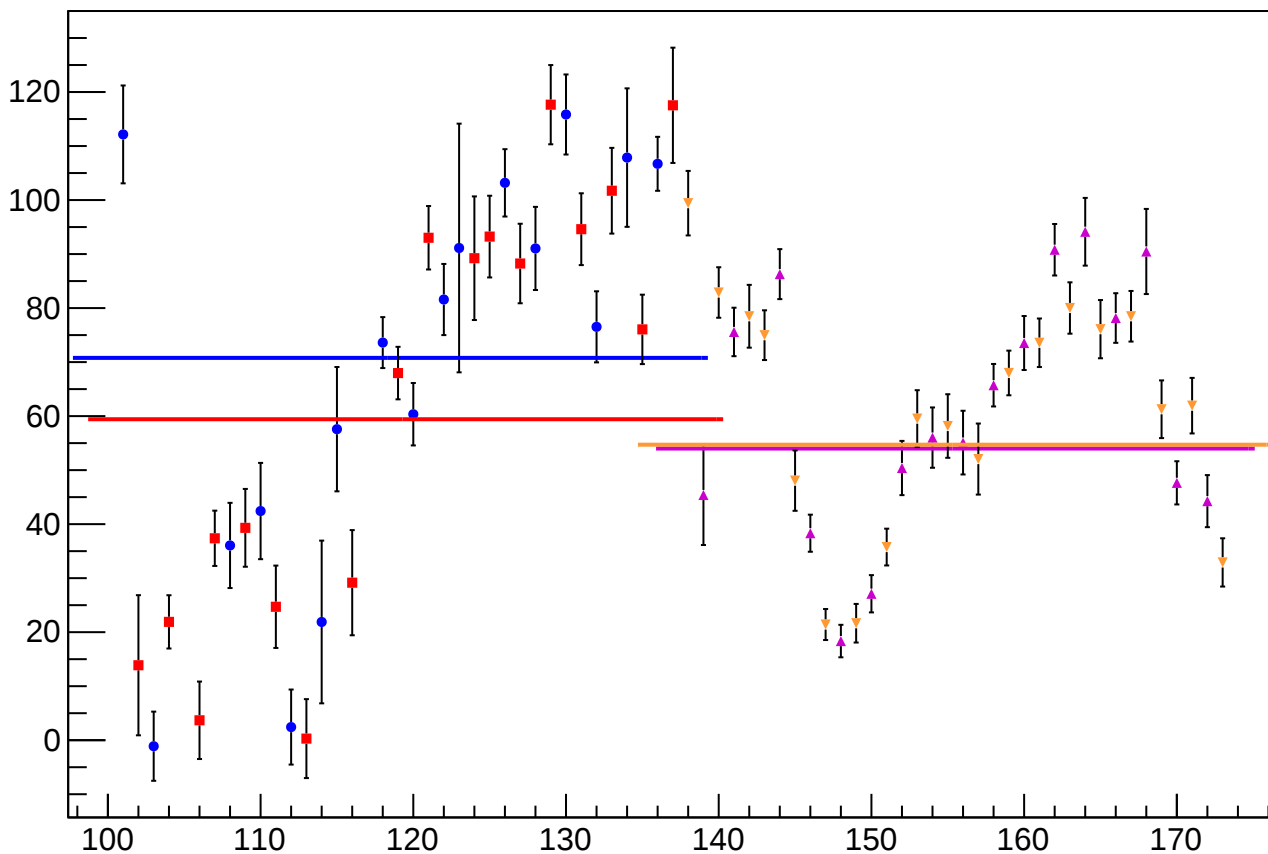
Right: 357.739 $\pm$ 1.880 χ^2 /NDF: 5882.3/34

In: 288.393 $\pm$ 1.184 χ^2 /NDF:4418.3/33

Out: 286.369 $\pm$ 1.146 χ^2 /NDF:4886.6/36

All: 287.348 $\pm$ 0.823 χ^2 /NDF: 9306.4/70

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 70.780 $\pm$ 1.747 χ^2 /NDF: 423.9/16

Left Out: 54.709 $\pm$ 1.047 χ^2 /NDF:507.4/18

Right Out: 59.421 $\pm$ 1.632 χ^2 /NDF: 486.6/17

Left In: 53.993 $\pm$ 1.097 χ^2 /NDF:475.9/16

Left: 54.368 $\pm$ 0.757 χ^2 /NDF: 983.5/35

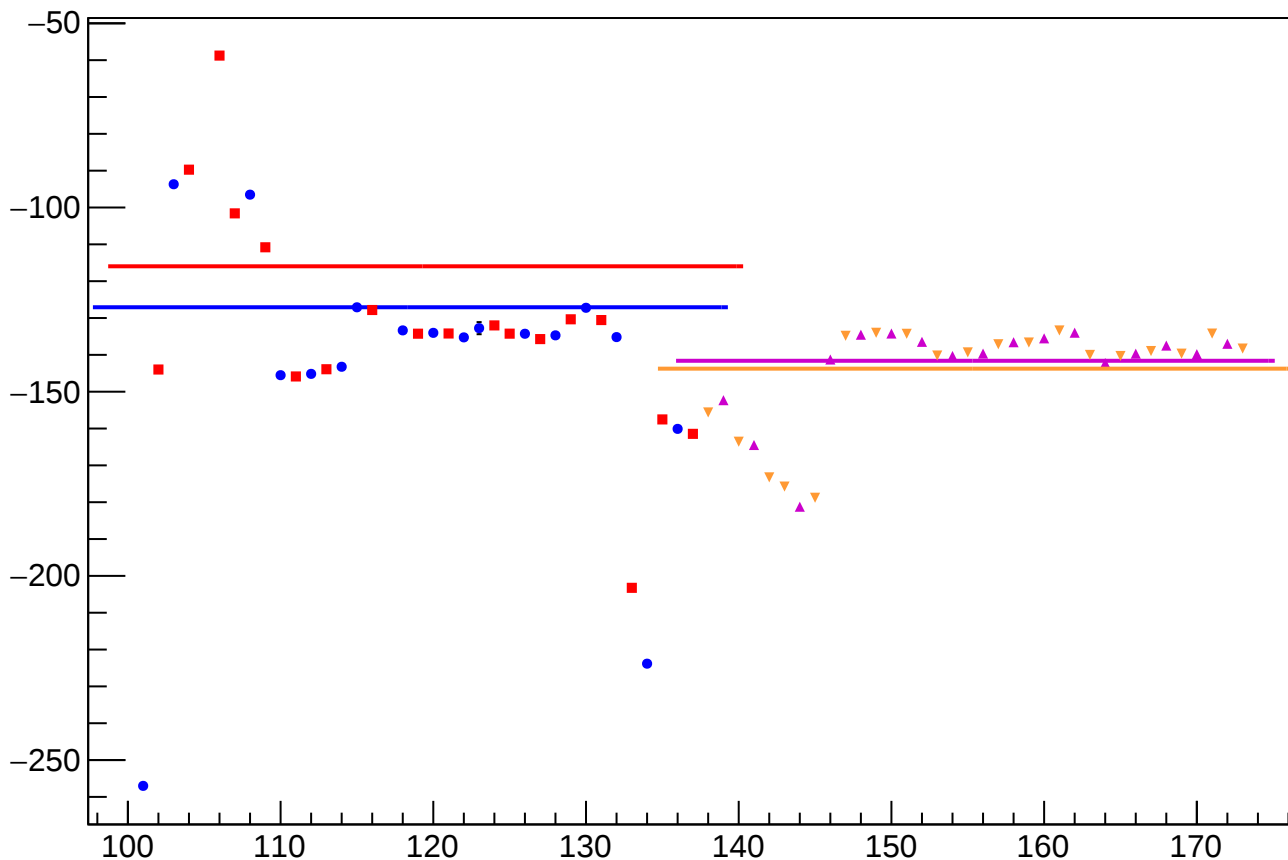
Right: 64.716 $\pm$ 1.193 χ^2 /NDF: 933.1/34

In: 58.741 $\pm$ 0.929 χ^2 /NDF:966.0/33

Out: 56.084 $\pm$ 0.881 χ^2 /NDF:999.9/36

All: 57.343 $\pm$ 0.639 χ^2 /NDF: 1970.2/70

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.076+/-0.090 χ^2/NDF : 167028.9/16

Left Out: -143.747+/-0.051 χ^2/NDF : 73976.9/18

Right Out: -115.959+/-0.083 χ^2/NDF : 158983.0/17

Left In: -141.608+/-0.052 χ^2/NDF : 44515.5/16

Left: -142.698+/-0.036 χ^2/NDF : 119363.0/35

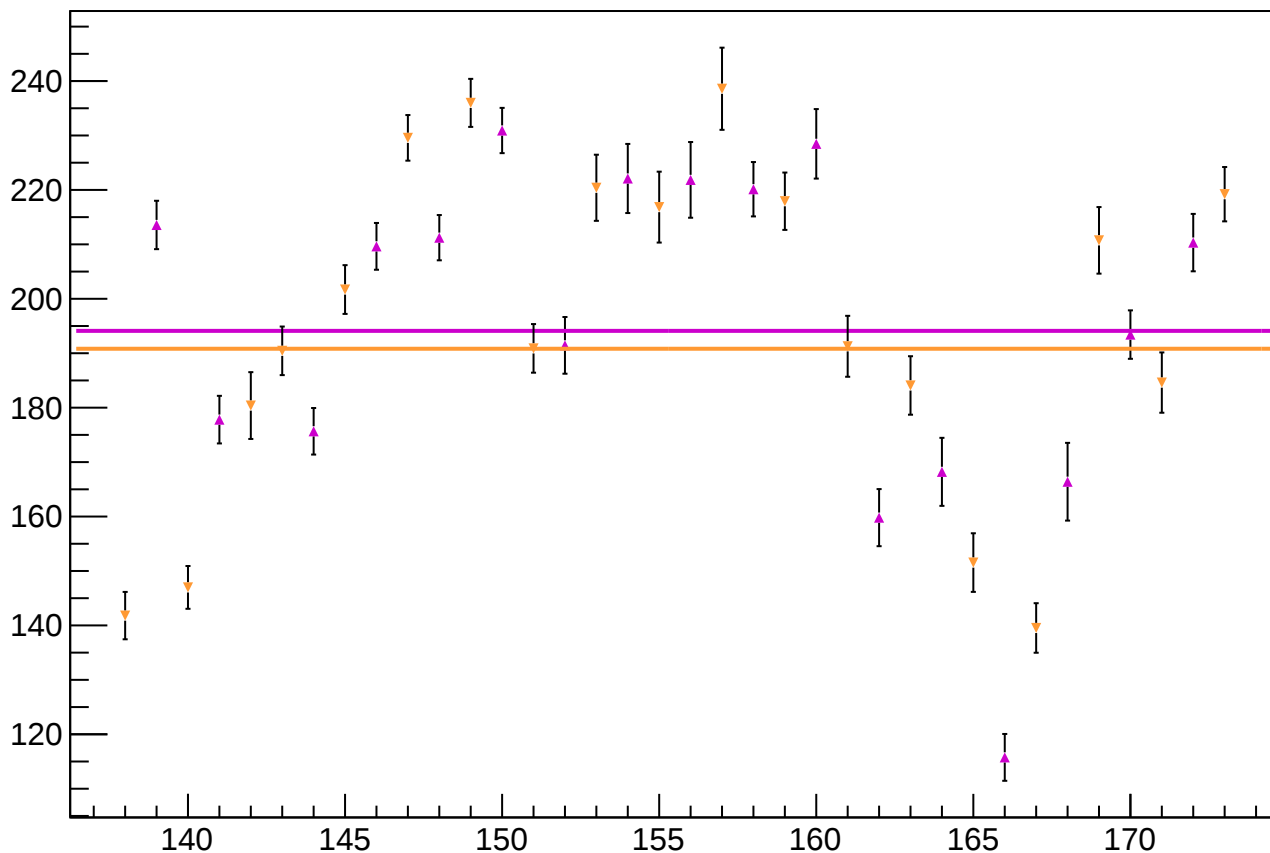
Right: -121.099+/-0.061 χ^2/NDF : 334303.0/34

In: -137.967+/-0.045 χ^2/NDF : 231289.3/33

Out: -136.185+/-0.043 χ^2/NDF : 314509.1/36

All: -137.045+/-0.031 χ^2/NDF : 546616.1/70

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: 190.824+/-1.150 χ^2/NDF : 782.7/18

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

Left In: 194.108+/-1.198 χ^2/NDF : 668.0/16

Left: 192.399+/-0.830 χ^2/NDF : 1454.6/35

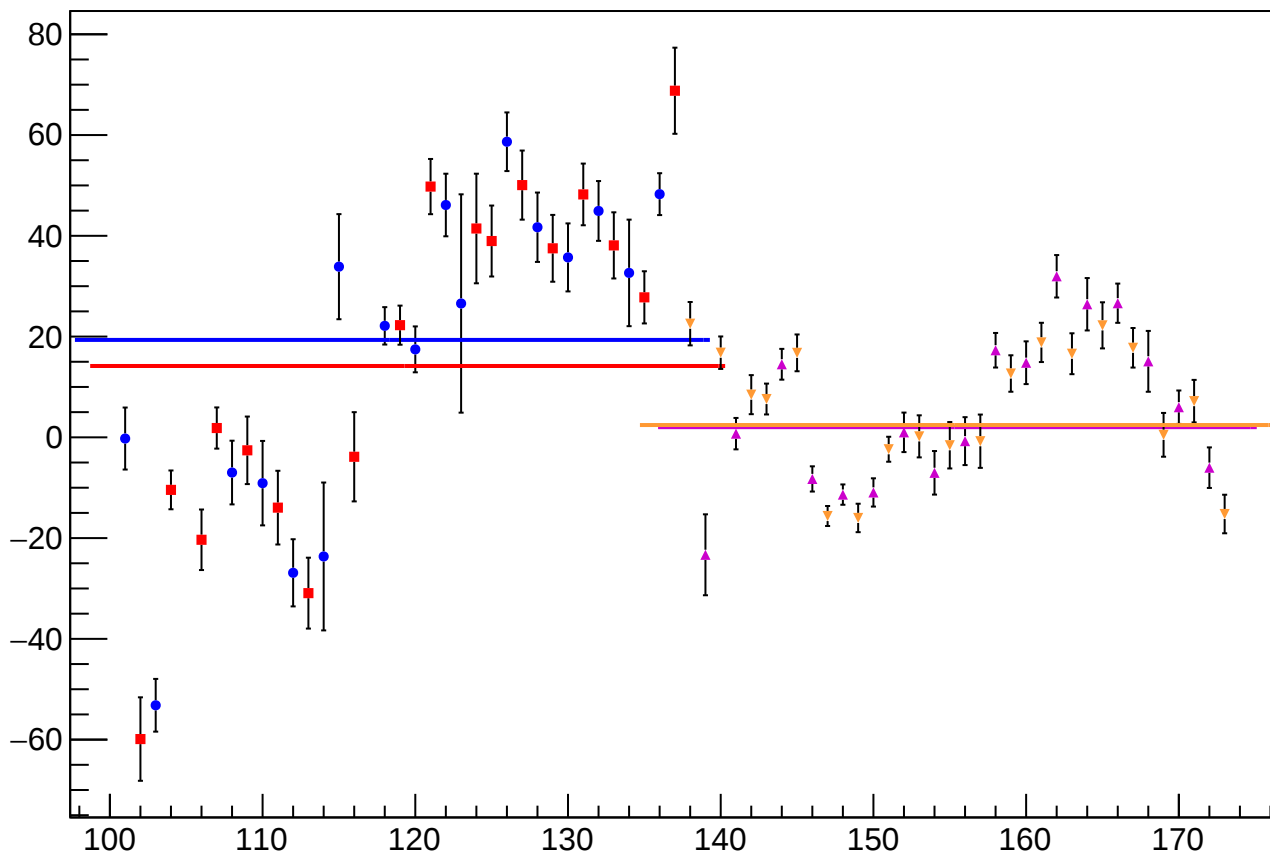
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 194.108+/-1.198 χ^2/NDF : 668.0/16

Out: 190.824+/-1.150 χ^2/NDF : 782.7/18

All: 192.399+/-0.830 χ^2/NDF : 1454.6/35

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.337 ± 1.482 $\chi^2/\text{NDF}: 439.8/16$

Left Out: 2.443 ± 0.797 $\chi^2/\text{NDF}: 287.5/18$

Right Out: 14.162 ± 1.391 $\chi^2/\text{NDF}: 426.0/17$

Left In: 2.021 ± 0.845 $\chi^2/\text{NDF}: 265.3/16$

Left: 2.244 ± 0.580 $\chi^2/\text{NDF}: 552.9/35$

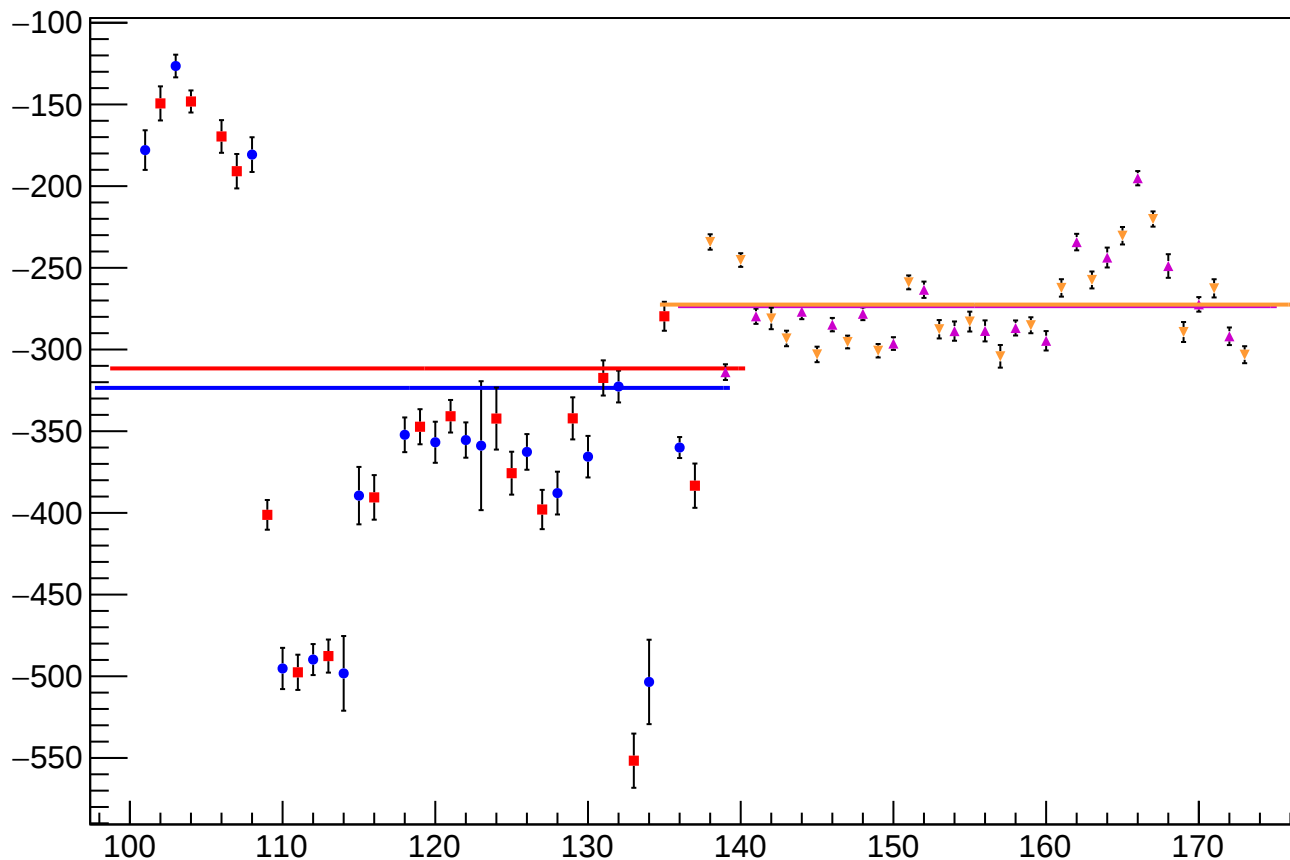
Right: 16.585 ± 1.014 $\chi^2/\text{NDF}: 872.4/34$

In: 6.268 ± 0.734 $\chi^2/\text{NDF}: 808.1/33$

Out: 5.339 ± 0.692 $\chi^2/\text{NDF}: 766.9/36$

All: 5.776 ± 0.503 $\chi^2/\text{NDF}: 1575.9/70$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.491 $\pm$ 2.673 χ^2 /NDF: 1847.6/16

Left Out: -272.500 $\pm$ 1.144 χ^2 /NDF: 545.4/18

Right Out: -311.573 $\pm$ 2.527 χ^2 /NDF: 2243.8/17

Left In: -273.461 $\pm$ 1.179 χ^2 /NDF: 581.1/16

Left: -272.966 $\pm$ 0.821 χ^2 /NDF: 1126.9/35

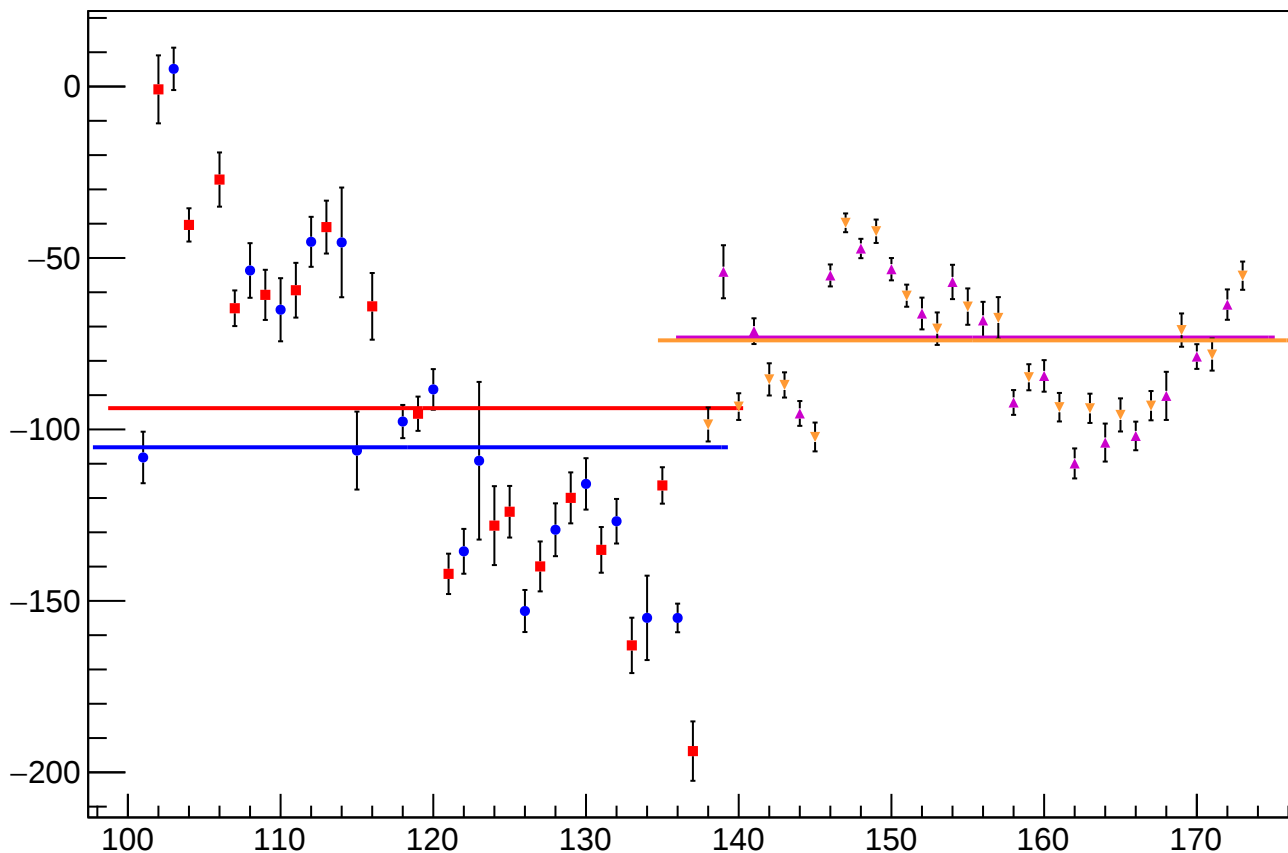
Right: -317.199 $\pm$ 1.836 χ^2 /NDF: 4101.9/34

In: -281.613 $\pm$ 1.079 χ^2 /NDF: 2722.0/33

Out: -279.149 $\pm$ 1.042 χ^2 /NDF: 2987.6/36

All: -280.339 $\pm$ 0.750 χ^2 /NDF: 5712.3/70

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.203 ± 1.697 χ^2/NDF : 735.6/16

Left Out: -74.023 ± 0.940 χ^2/NDF : 491.4/18

Right Out: -93.793 ± 1.611 χ^2/NDF : 815.4/17

Left In: -73.204 ± 0.992 χ^2/NDF : 406.0/16

Left: -73.636 ± 0.682 χ^2/NDF : 897.8/35

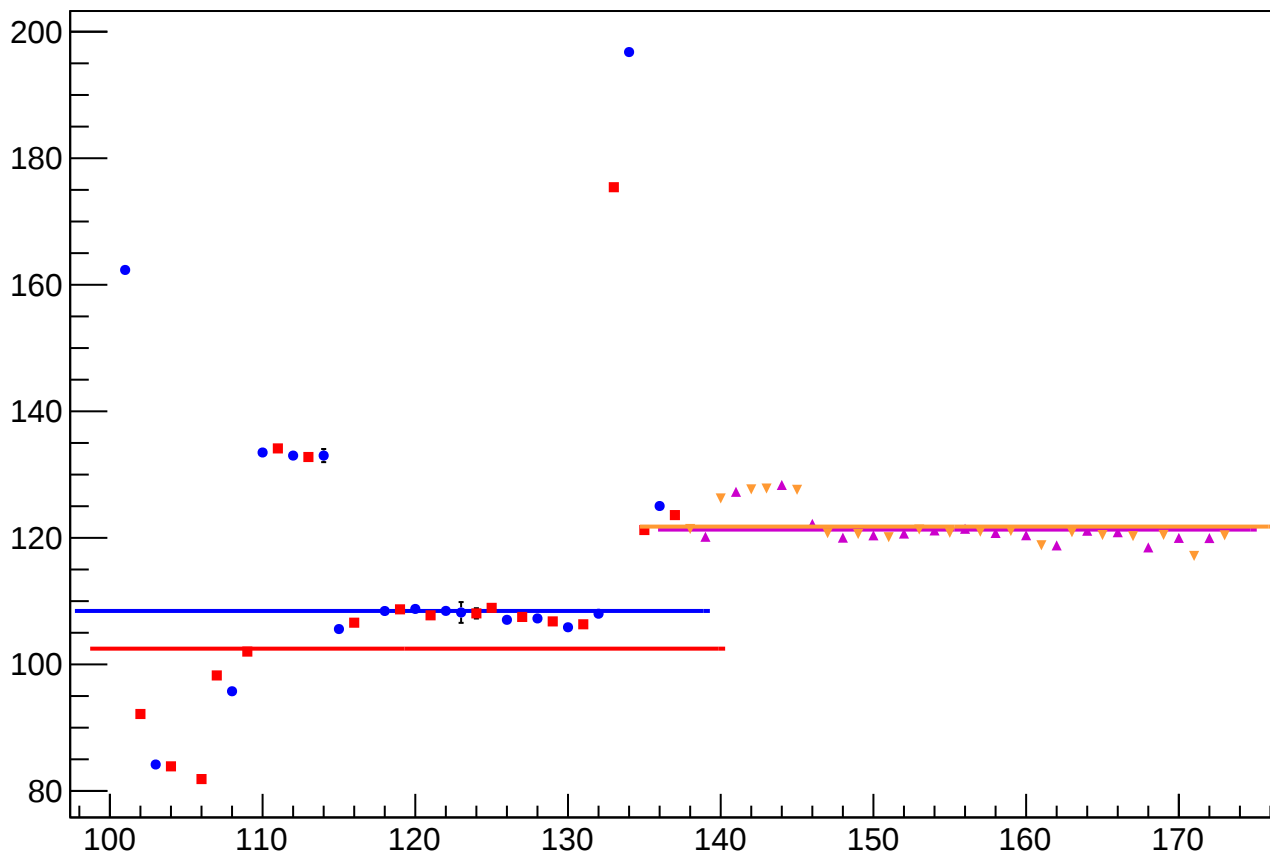
Right: -99.203 ± 1.168 χ^2/NDF : 1574.8/34

In: -81.355 ± 0.856 χ^2/NDF : 1406.7/33

Out: -79.042 ± 0.812 χ^2/NDF : 1419.2/36

All: -80.137 ± 0.589 χ^2/NDF : 2829.7/70

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.448+/-0.085 χ^2/NDF : 73265.3/16

Left Out: 121.782+/-0.045 χ^2/NDF : 4237.3/18

Right Out: 102.490+/-0.080 χ^2/NDF : 52909.2/17

Left In: 121.306+/-0.047 χ^2/NDF : 2830.5/16

Left: 121.551+/-0.032 χ^2/NDF : 7121.2/35

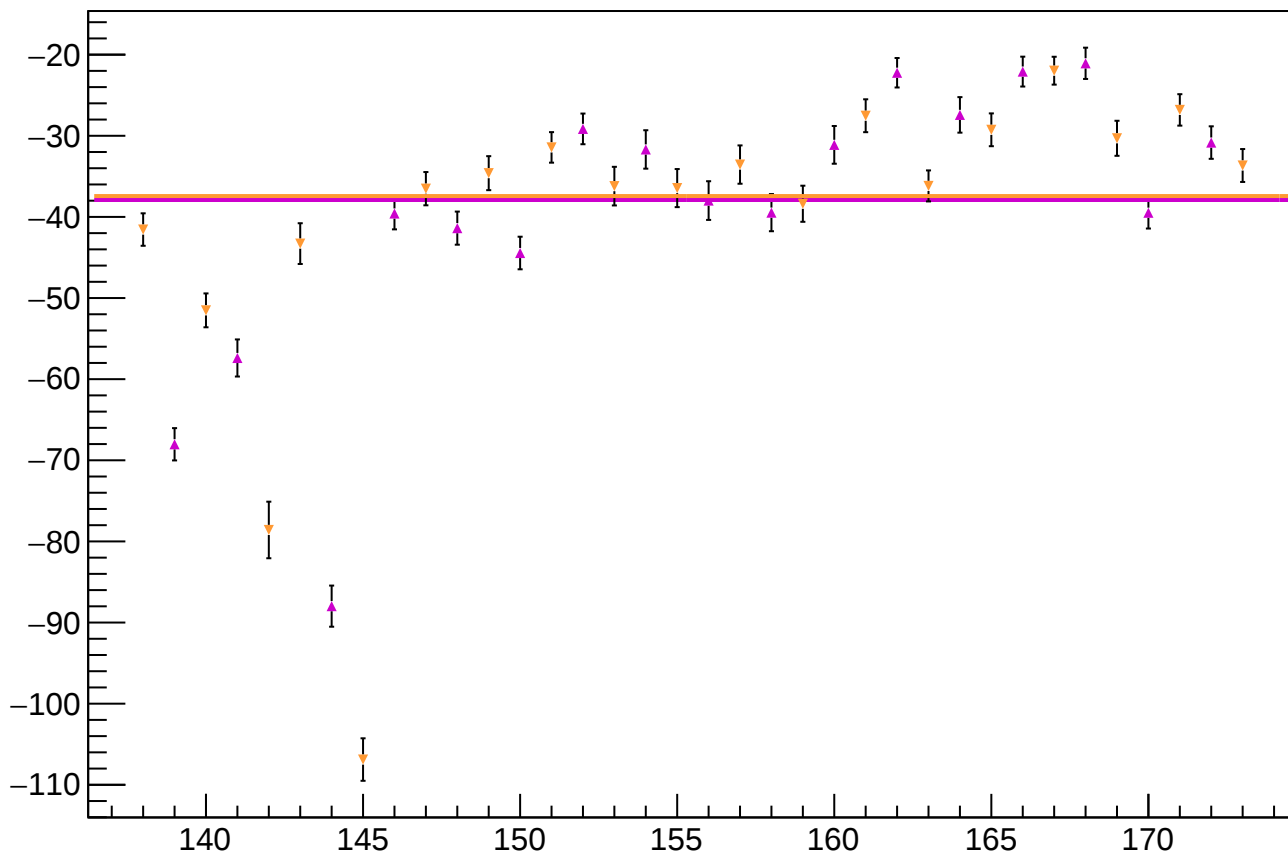
Right: 105.281+/-0.058 χ^2/NDF : 128799.0/34

In: 118.326+/-0.041 χ^2/NDF : 93761.2/33

Out: 117.060+/-0.039 χ^2/NDF : 101505.4/36

All: 117.670+/-0.028 χ^2/NDF : 195764.8/70

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: -37.429+/-0.489 χ^2/NDF :1079.4/18

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

Left In: -37.915+/-0.503 χ^2/NDF :1003.8/16

Left: -37.665+/-0.351 χ^2/NDF : 2083.7/35

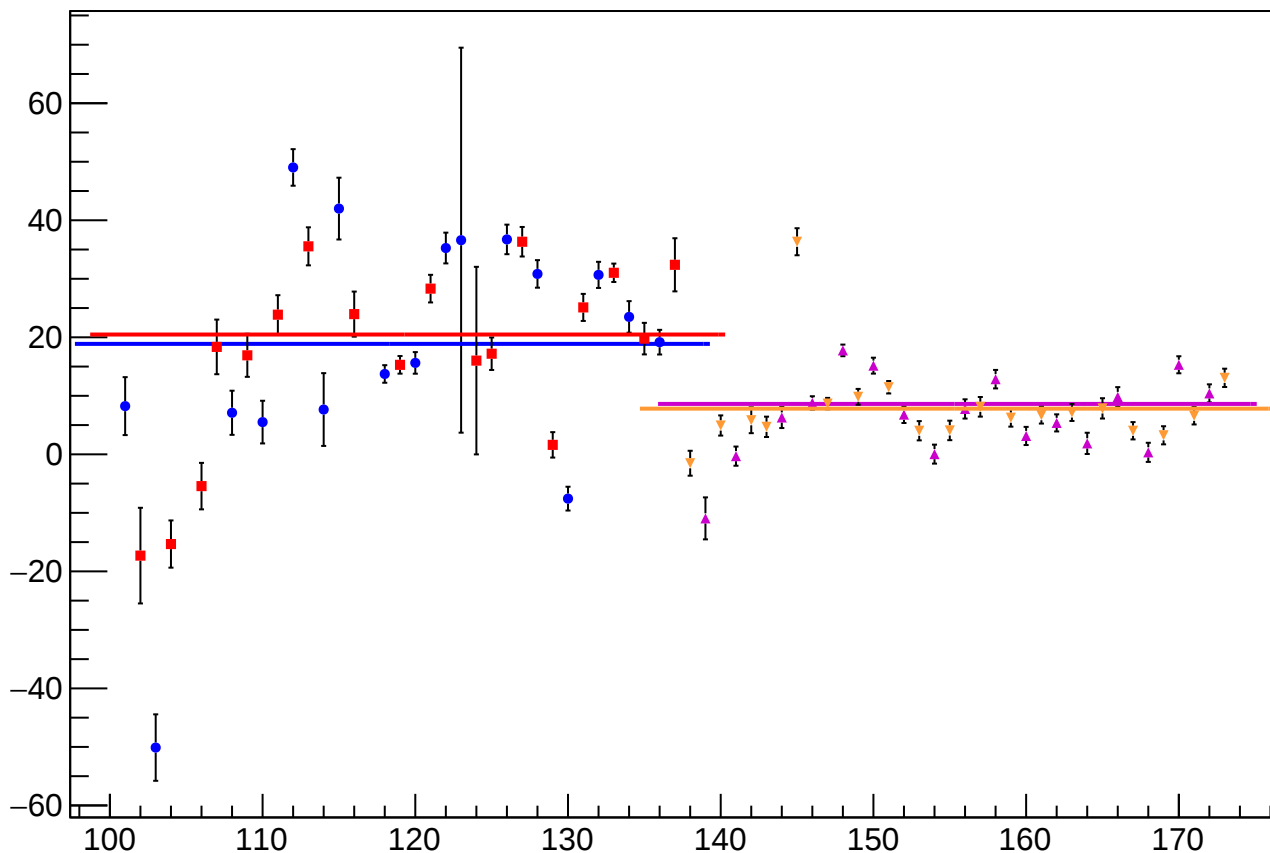
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.915+/-0.503 χ^2/NDF :1003.8/16

Out: -37.429+/-0.489 χ^2/NDF :1079.4/18

All: -37.665+/-0.351 χ^2/NDF : 2083.7/35

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.876 $\pm$ 0.644 χ^2/NDF : 620.5/16

Left Out: 7.807 $\pm$ 0.347 χ^2/NDF : 232.5/18

Right Out: 20.474 $\pm$ 0.644 χ^2/NDF : 362.4/17

Left In: 8.617 $\pm$ 0.364 χ^2/NDF : 286.0/16

Left: 8.192 $\pm$ 0.251 χ^2/NDF : 521.1/35

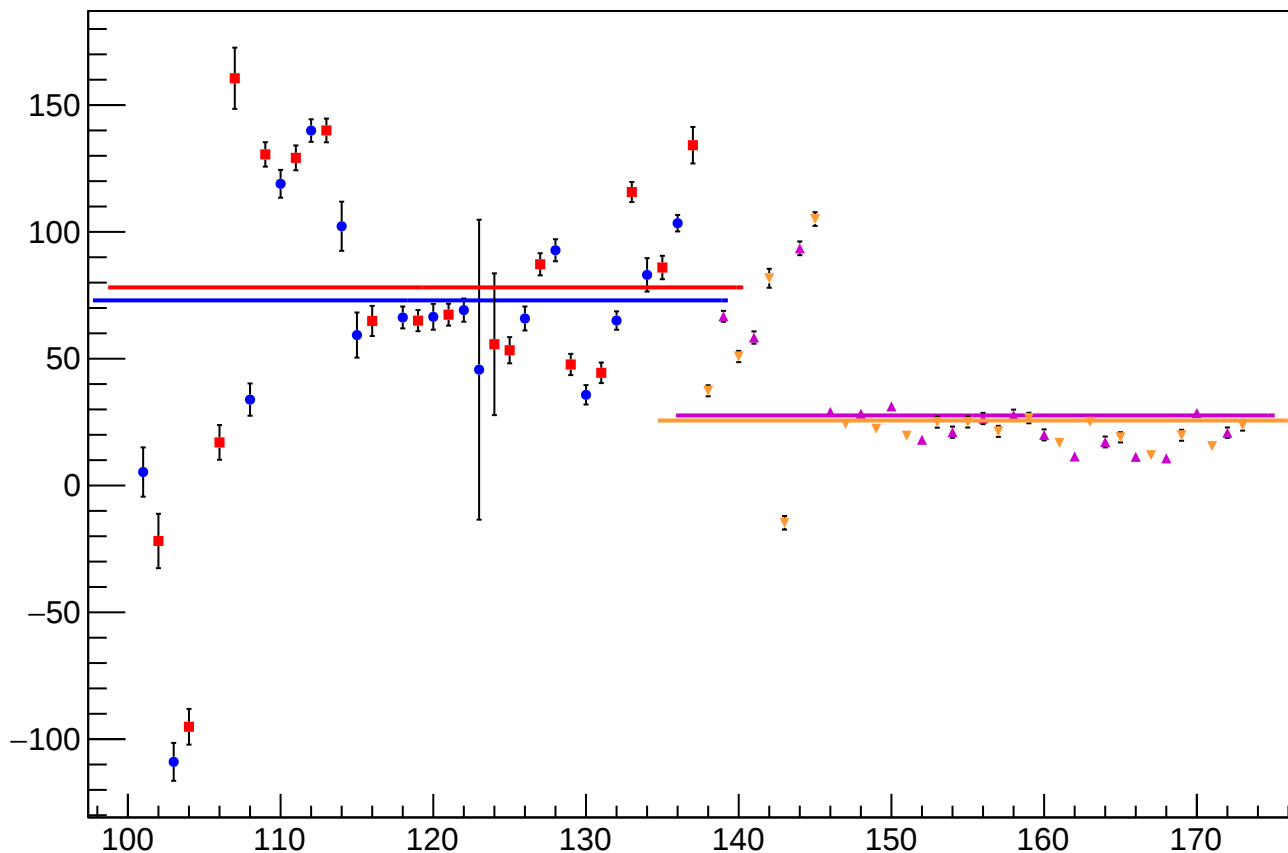
Right: 19.676 $\pm$ 0.455 χ^2/NDF : 986.0/34

In: 11.103 $\pm$ 0.317 χ^2/NDF : 1098.5/33

Out: 10.660 $\pm$ 0.305 χ^2/NDF : 895.0/36

All: 10.873 $\pm$ 0.220 χ^2/NDF : 1994.6/70

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 72.992 $\pm$ 1.230 χ^2 /NDF: 1205.5/16

Left Out: 25.629 $\pm$ 0.482 χ^2 /NDF:1619.5/18

Right Out: 78.119 $\pm$ 1.224 χ^2 /NDF: 1546.8/17

Left In: 27.631 $\pm$ 0.493 χ^2 /NDF:1405.2/16

Left: 26.608 $\pm$ 0.345 χ^2 /NDF: 3033.1/35

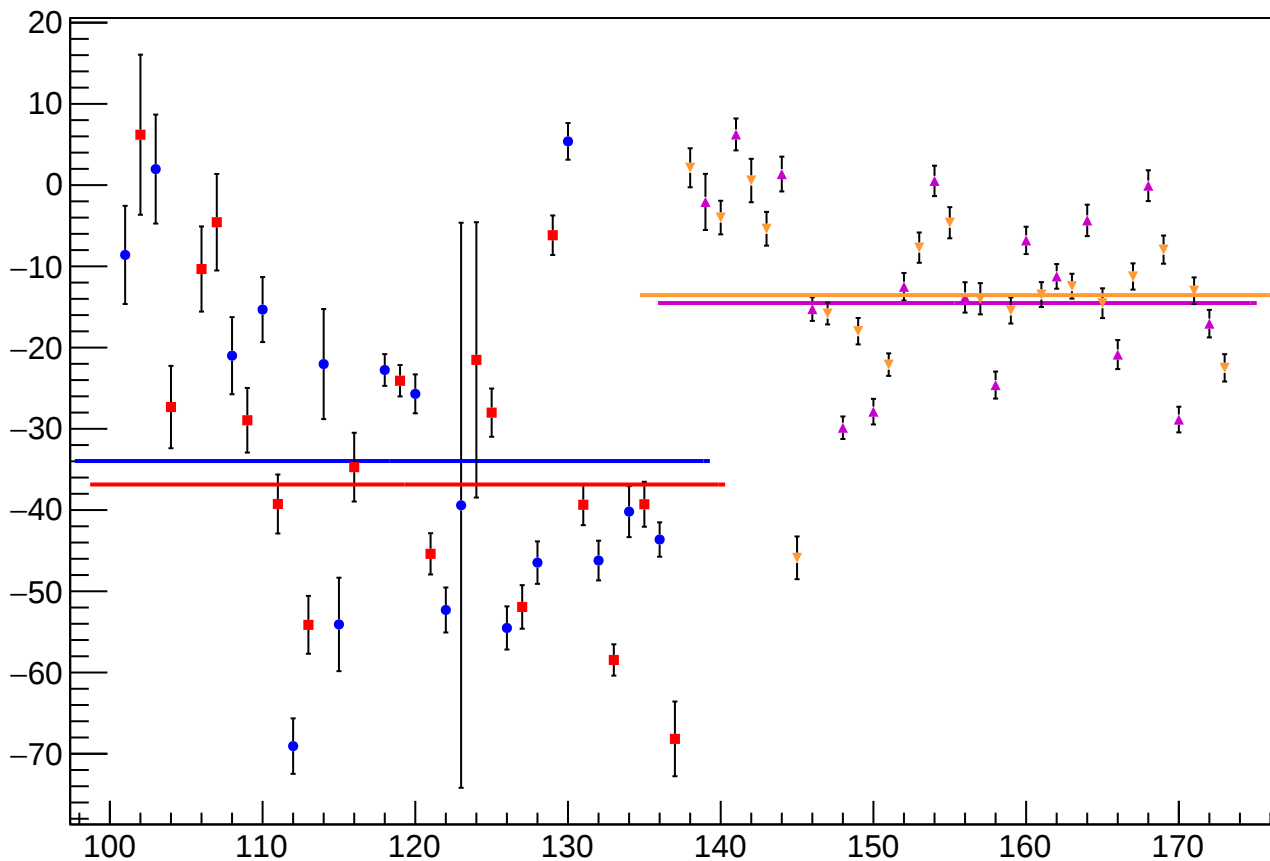
Right: 75.568 $\pm$ 0.868 χ^2 /NDF: 2761.0/34

In: 33.913 $\pm$ 0.458 χ^2 /NDF:3782.4/33

Out: 32.689 $\pm$ 0.449 χ^2 /NDF:4758.3/36

All: 33.289 $\pm$ 0.320 χ^2 /NDF: 8544.3/70

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.964 ± 0.738 χ^2/NDF : 721.9/16

Left Out: -13.542 ± 0.402 χ^2/NDF : 381.3/18

Right Out: -36.856 ± 0.737 χ^2/NDF : 535.3/17

Left In: -14.517 ± 0.422 χ^2/NDF : 685.3/16

Left: -14.007 ± 0.291 χ^2/NDF : 1069.4/35

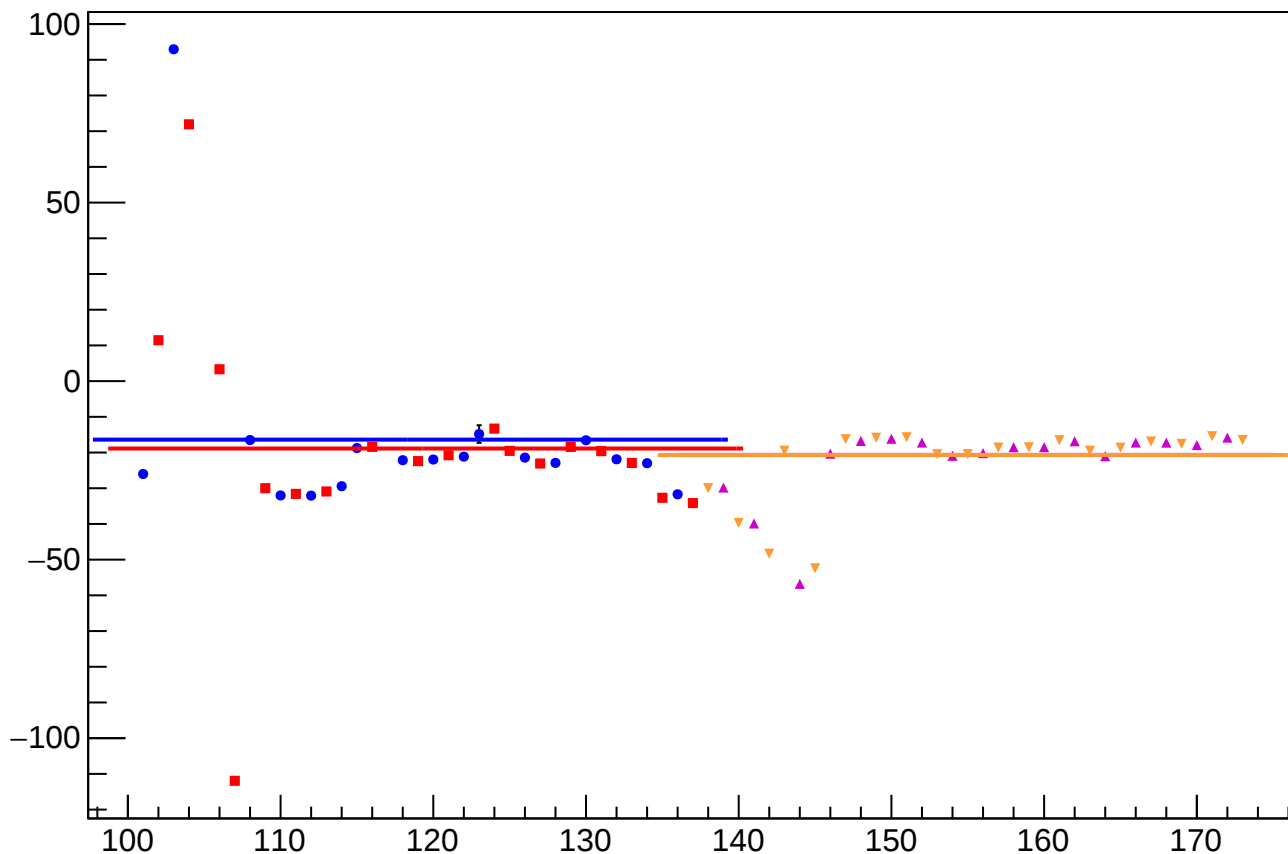
Right: -35.411 ± 0.521 χ^2/NDF : 1264.9/34

In: -19.307 ± 0.366 χ^2/NDF : 1931.3/33

Out: -18.891 ± 0.353 χ^2/NDF : 1687.8/36

All: -19.091 ± 0.254 χ^2/NDF : 3619.7/70

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.386 ± 0.044 $\chi^2/\text{NDF}: 474297.3/16$

Left Out: -20.679 ± 0.019 $\chi^2/\text{NDF}: 201494.8/18$

Right Out: -18.873 ± 0.045 $\chi^2/\text{NDF}: 433372.4/17$

Left In: -20.666 ± 0.019 $\chi^2/\text{NDF}: 167550.1/16$

Left: -20.672 ± 0.013 $\chi^2/\text{NDF}: 369045.1/35$

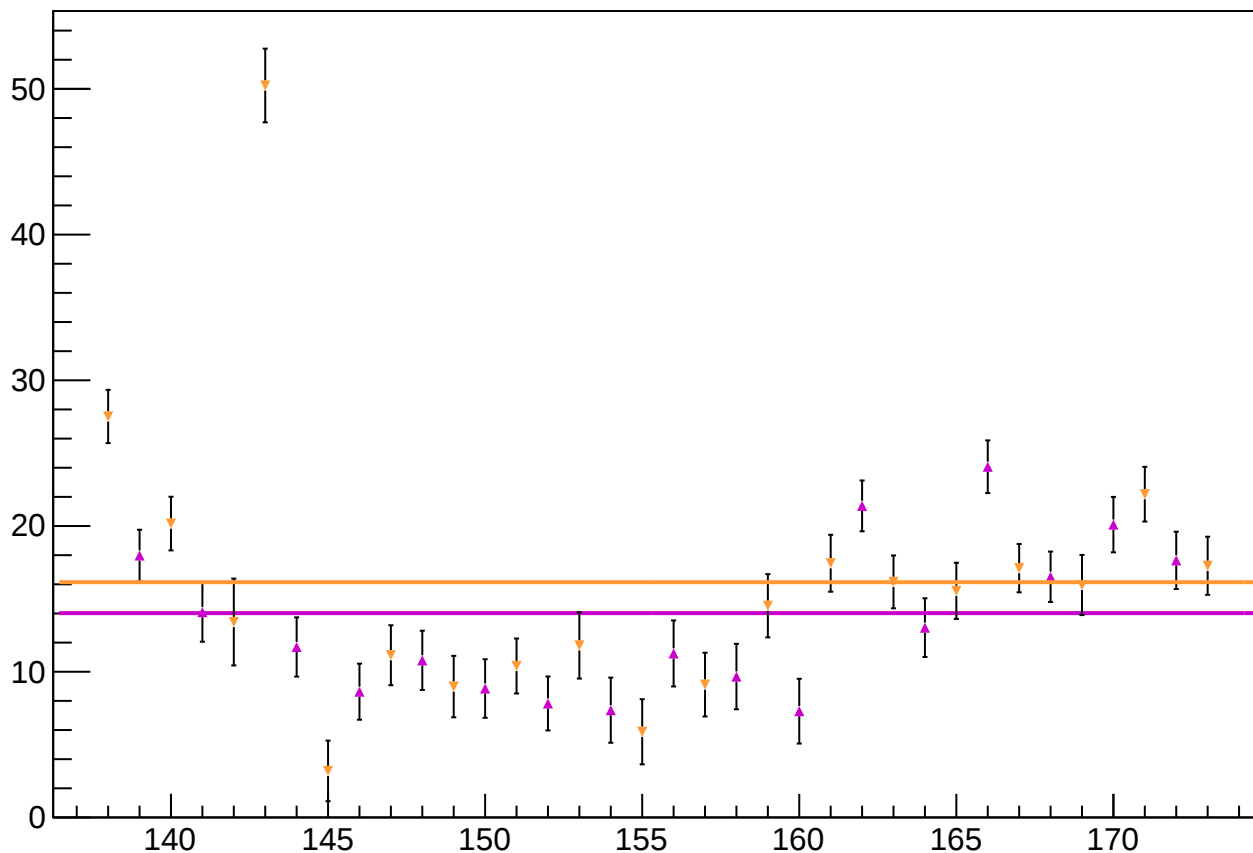
Right: -17.607 ± 0.032 $\chi^2/\text{NDF}: 909205.2/34$

In: -19.994 ± 0.018 $\chi^2/\text{NDF}: 649656.1/33$

Out: -20.415 ± 0.017 $\chi^2/\text{NDF}: 636224.5/36$

All: -20.209 ± 0.012 $\chi^2/\text{NDF}: 1286171.7/70$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 16.145 ± 0.465 $\chi^2/\text{NDF}: 339.0/18$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 14.023 ± 0.477 $\chi^2/\text{NDF}: 122.5/16$

Left: 15.110 ± 0.333 $\chi^2/\text{NDF}: 471.6/35$

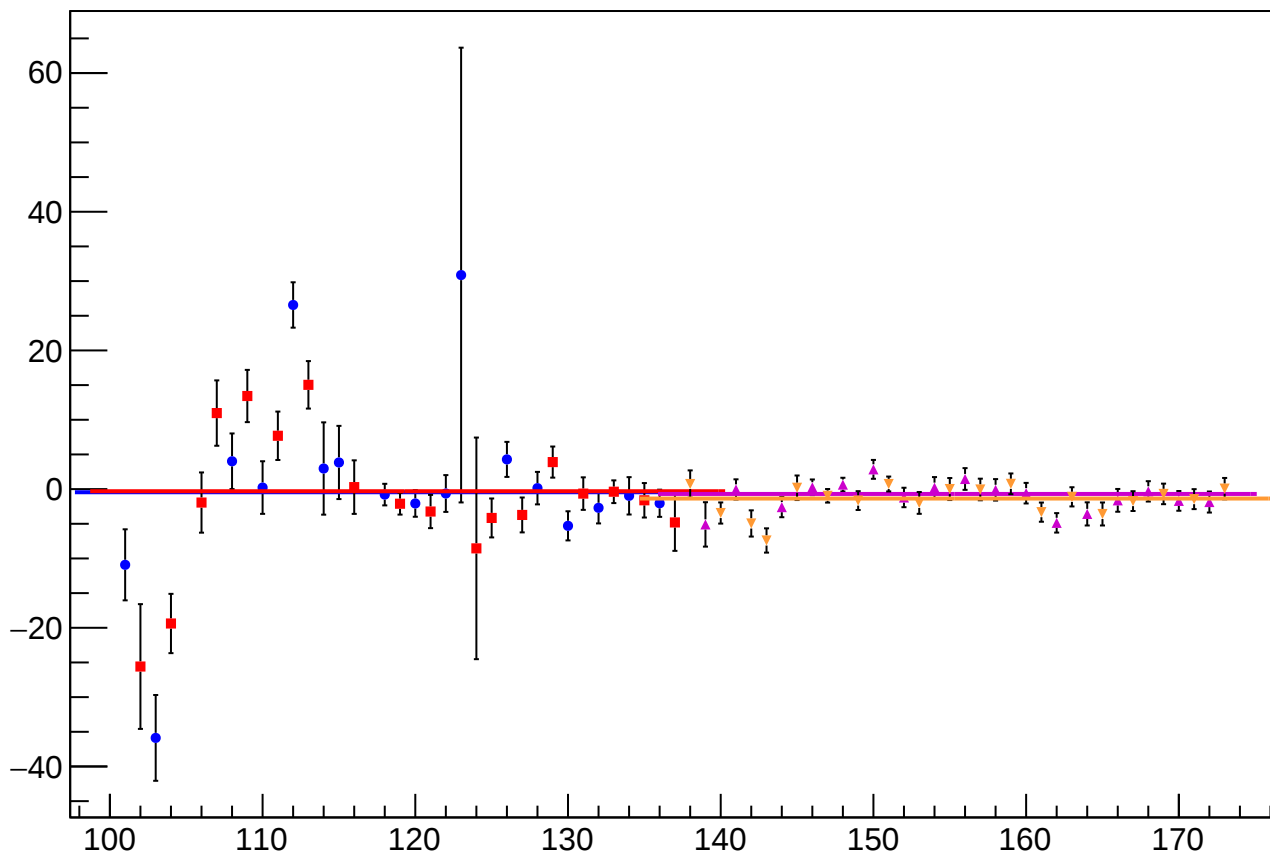
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 14.023 ± 0.477 $\chi^2/\text{NDF}: 122.5/16$

Out: 16.145 ± 0.465 $\chi^2/\text{NDF}: 339.0/18$

All: 15.110 ± 0.333 $\chi^2/\text{NDF}: 471.6/35$

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.452 ± 0.654 χ^2/NDF : 119.5/16

Left Out: -1.360 ± 0.333 χ^2/NDF : 32.0/18

Right Out: -0.305 ± 0.657 χ^2/NDF : 84.1/17

Left In: -0.697 ± 0.349 χ^2/NDF : 28.9/16

Left: -1.043 ± 0.241 χ^2/NDF : 62.8/35

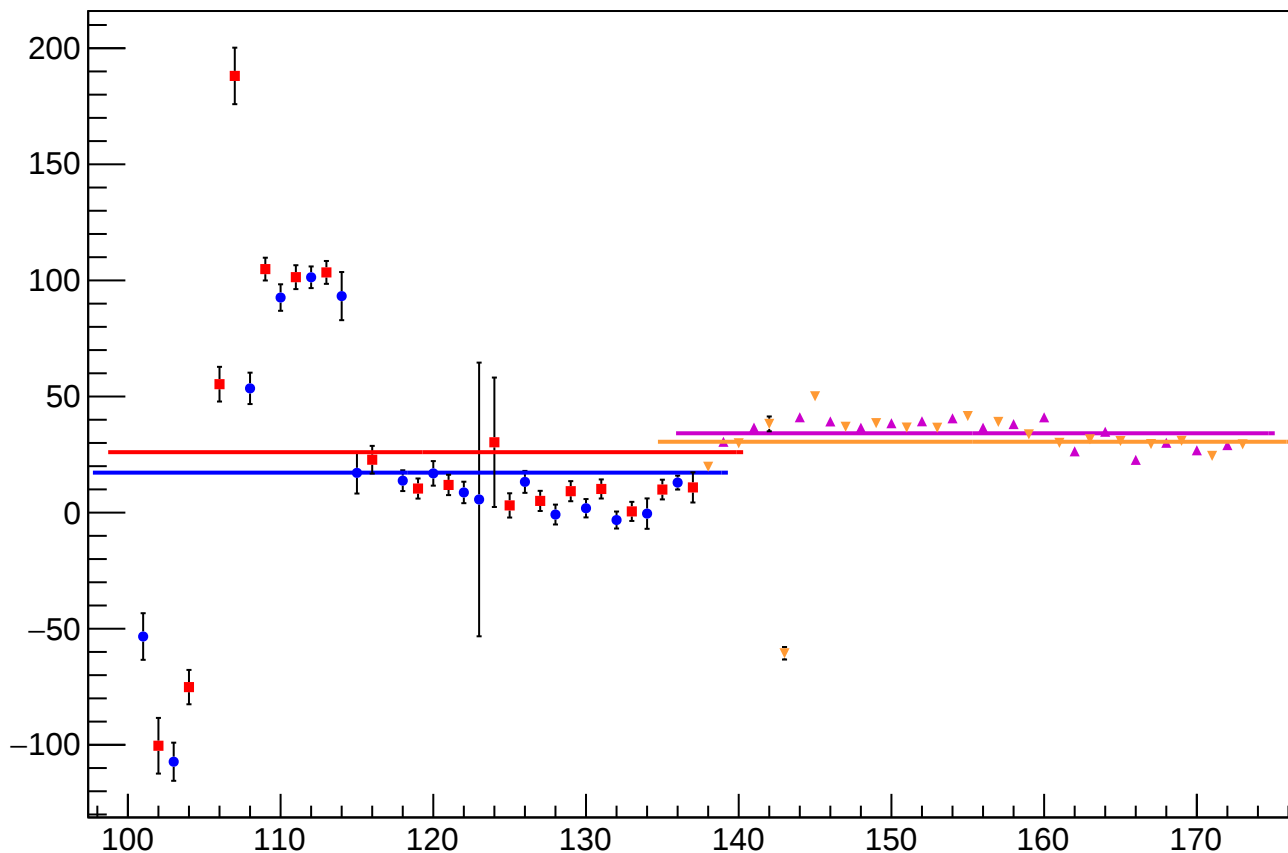
Right: -0.379 ± 0.464 χ^2/NDF : 203.7/34

In: -0.643 ± 0.308 χ^2/NDF : 148.6/33

Out: -1.144 ± 0.297 χ^2/NDF : 118.1/36

All: -0.902 ± 0.214 χ^2/NDF : 268.1/70

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.218+/-1.241 χ^2/NDF : 940.1/16

Left Out: 30.519+/-0.460 χ^2/NDF :1364.9/18

Right Out: 26.032+/-1.244 χ^2/NDF : 1366.0/17

Left In: 34.170+/-0.469 χ^2/NDF :150.6/16

Left: 32.312+/-0.328 χ^2/NDF : 1546.4/35

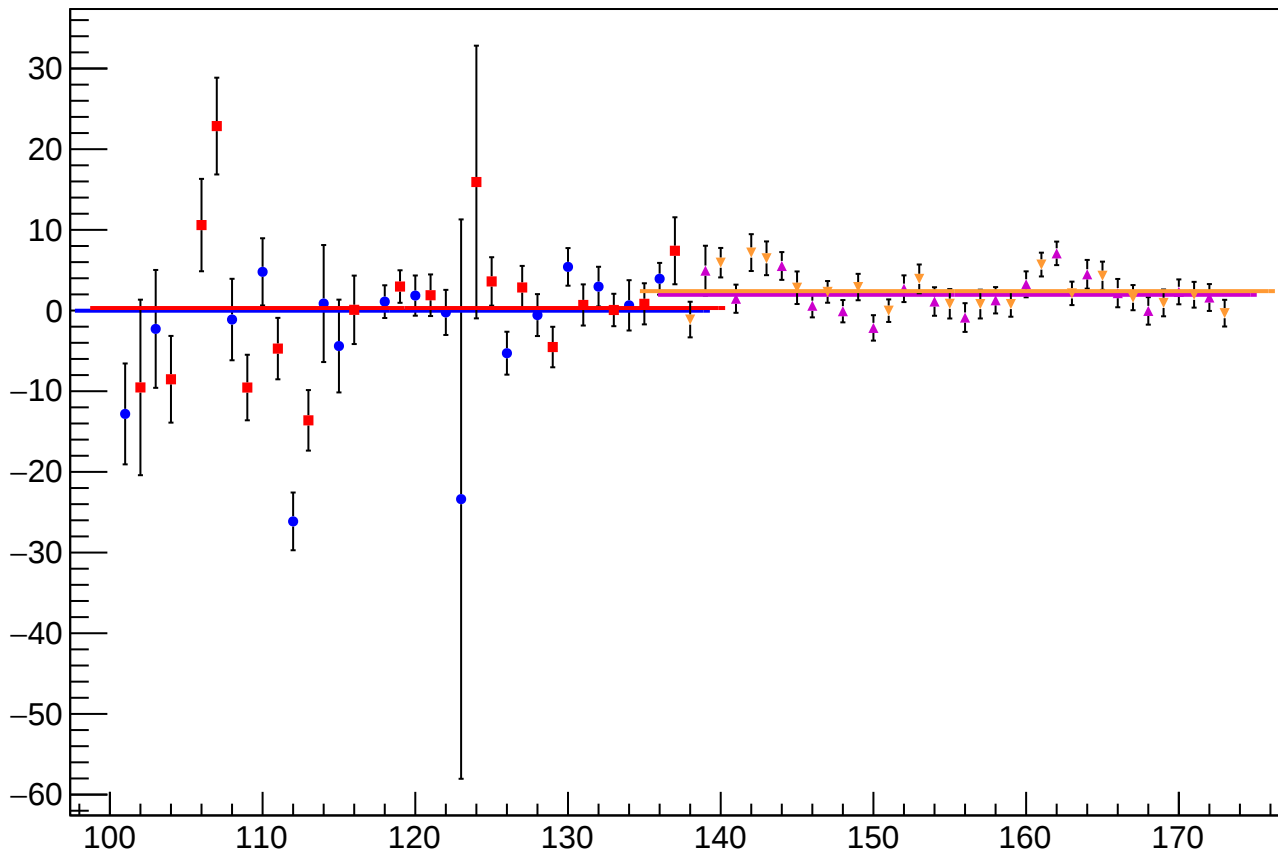
Right: 21.614+/-0.879 χ^2/NDF : 2331.3/34

In: 32.055+/-0.438 χ^2/NDF :1254.1/33

Out: 29.979+/-0.432 χ^2/NDF :2742.3/36

All: 31.001+/-0.308 χ^2/NDF : 4007.8/70

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.022 ± 0.745 χ^2/NDF : 75.8/16

Left Out: 2.406 ± 0.385 χ^2/NDF : 30.9/18

Right Out: 0.311 ± 0.749 χ^2/NDF : 54.1/17

Left In: 1.951 ± 0.403 χ^2/NDF : 34.8/16

Left: 2.188 ± 0.278 χ^2/NDF : 66.4/35

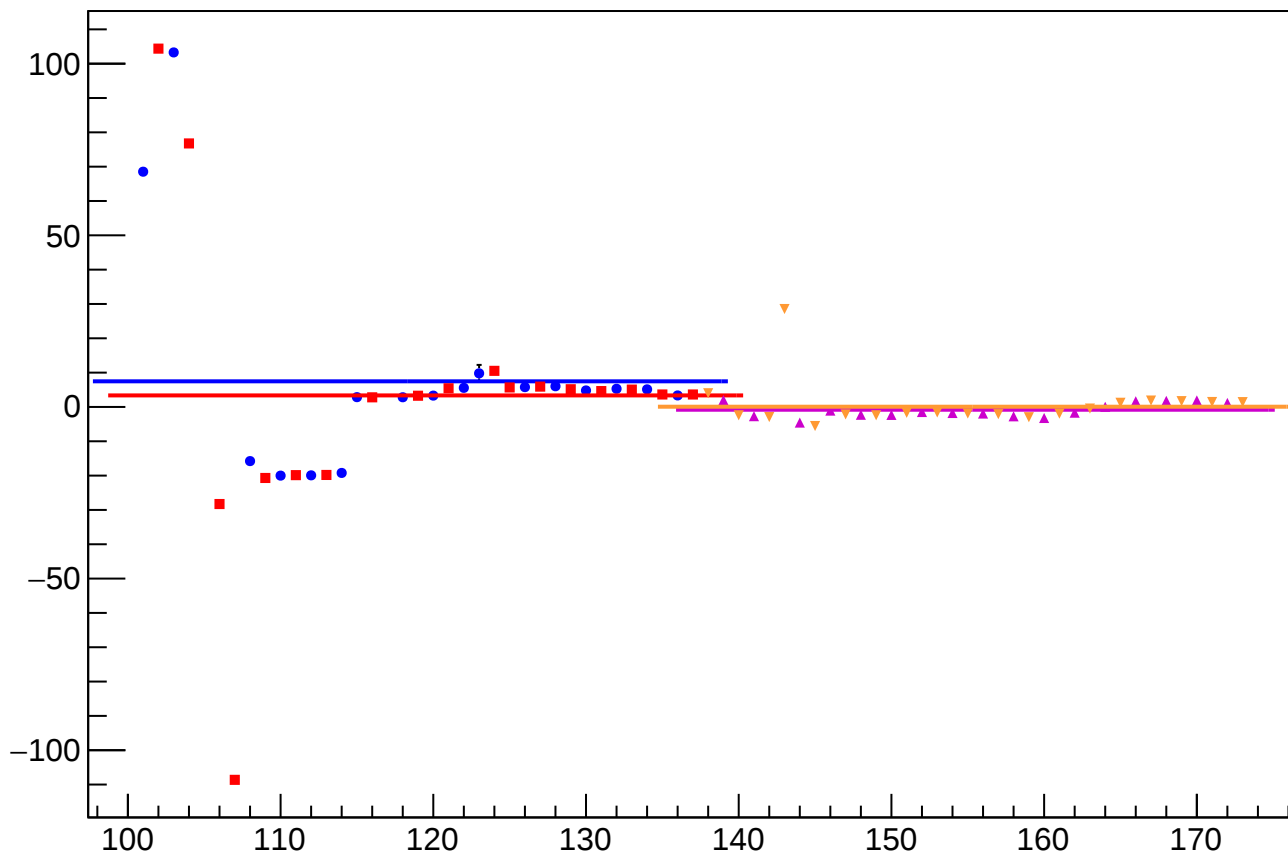
Right: 0.144 ± 0.528 χ^2/NDF : 130.0/34

In: 1.505 ± 0.354 χ^2/NDF : 116.1/33

Out: 1.968 ± 0.343 χ^2/NDF : 91.2/36

All: 1.744 ± 0.246 χ^2/NDF : 208.2/70

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.467 $\pm$ 0.044 χ^2 /NDF: 355890.1/16

Left Out: 0.071 $\pm$ 0.018 χ^2 /NDF: 86476.8/18

Right Out: 3.362 $\pm$ 0.046 χ^2 /NDF: 504811.4/17

Left In: -0.810 $\pm$ 0.018 χ^2 /NDF: 11679.7/16

Left: -0.360 $\pm$ 0.013 χ^2 /NDF: 99350.8/35

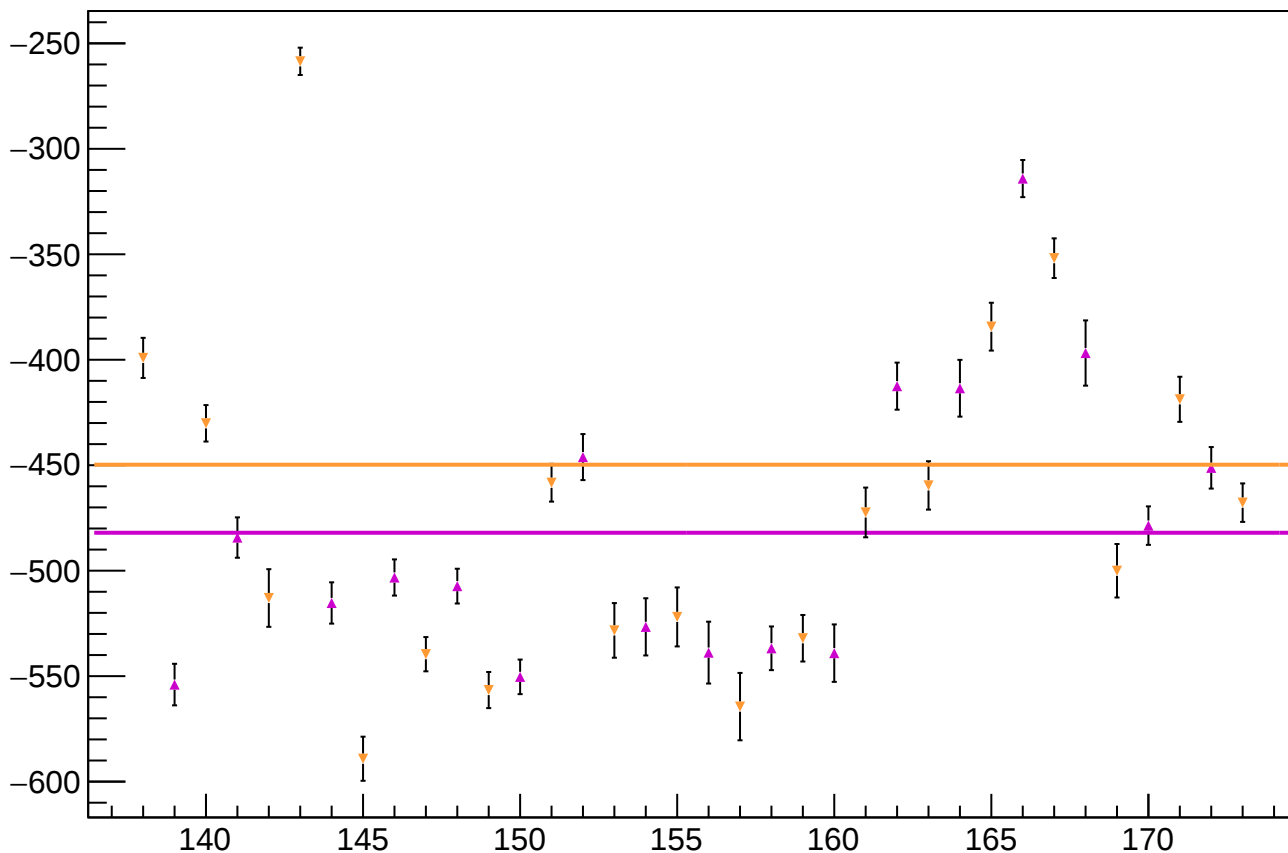
Right: 5.466 $\pm$ 0.032 χ^2 /NDF: 864856.4/34

In: 0.378 $\pm$ 0.017 χ^2 /NDF: 397238.9/33

Out: 0.507 $\pm$ 0.017 χ^2 /NDF: 595807.8/36

All: 0.443 $\pm$ 0.012 χ^2 /NDF: 993076.3/70

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: -449.757+/-2.305 χ^2/NDF :1728.2/18

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

Left In: -482.020+/-2.492 χ^2/NDF :700.9/16

Left: -464.638+/-1.692 χ^2/NDF : 2519.5/35

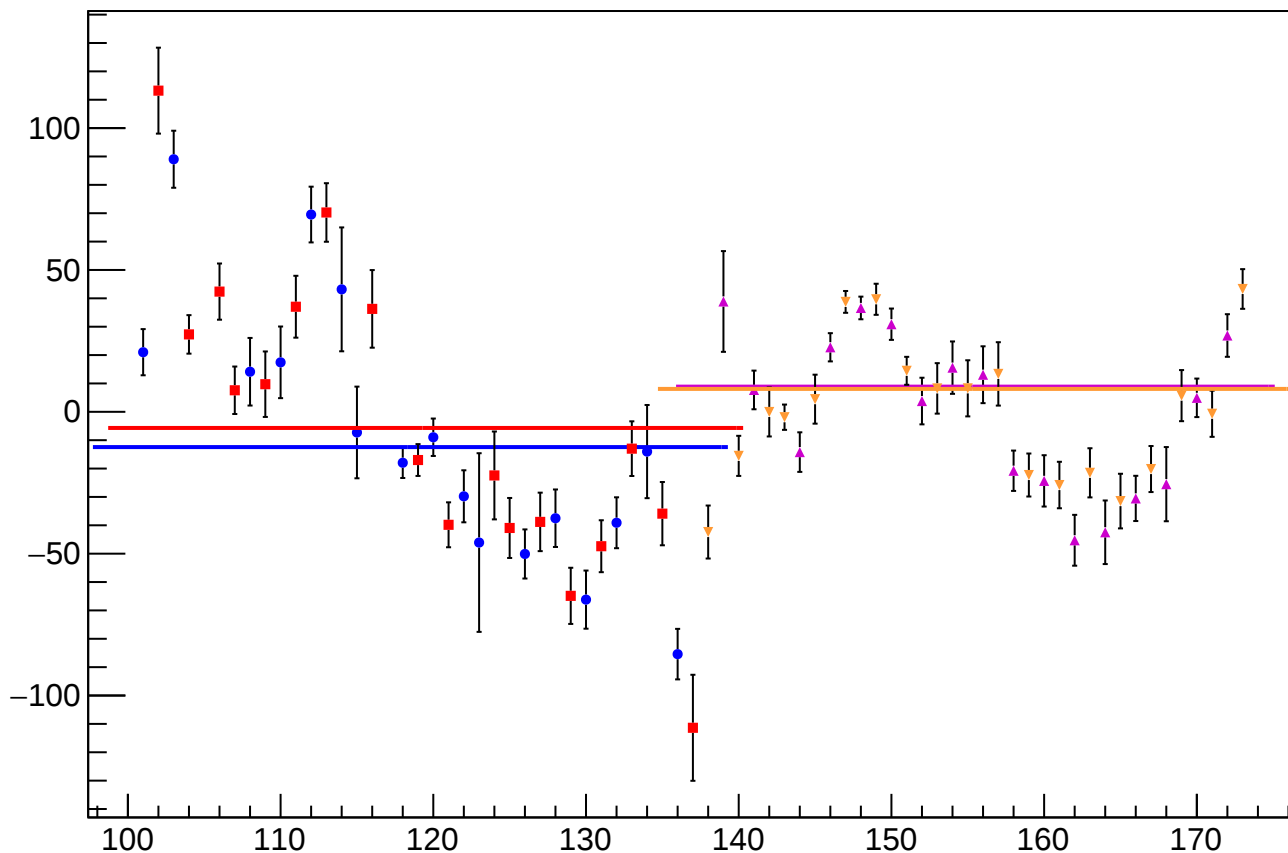
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -482.020+/-2.492 χ^2/NDF :700.9/16

Out: -449.757+/-2.305 χ^2/NDF :1728.2/18

All: -464.638+/-1.692 χ^2/NDF : 2519.5/35

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.431 ± 2.315 χ^2/NDF : 340.2/16

Left Out: 8.077 ± 1.579 χ^2/NDF : 245.5/18

Right Out: -5.686 ± 2.263 χ^2/NDF : 333.7/17

Left In: 8.877 ± 1.738 χ^2/NDF : 212.7/16

Left: 8.439 ± 1.169 χ^2/NDF : 458.3/35

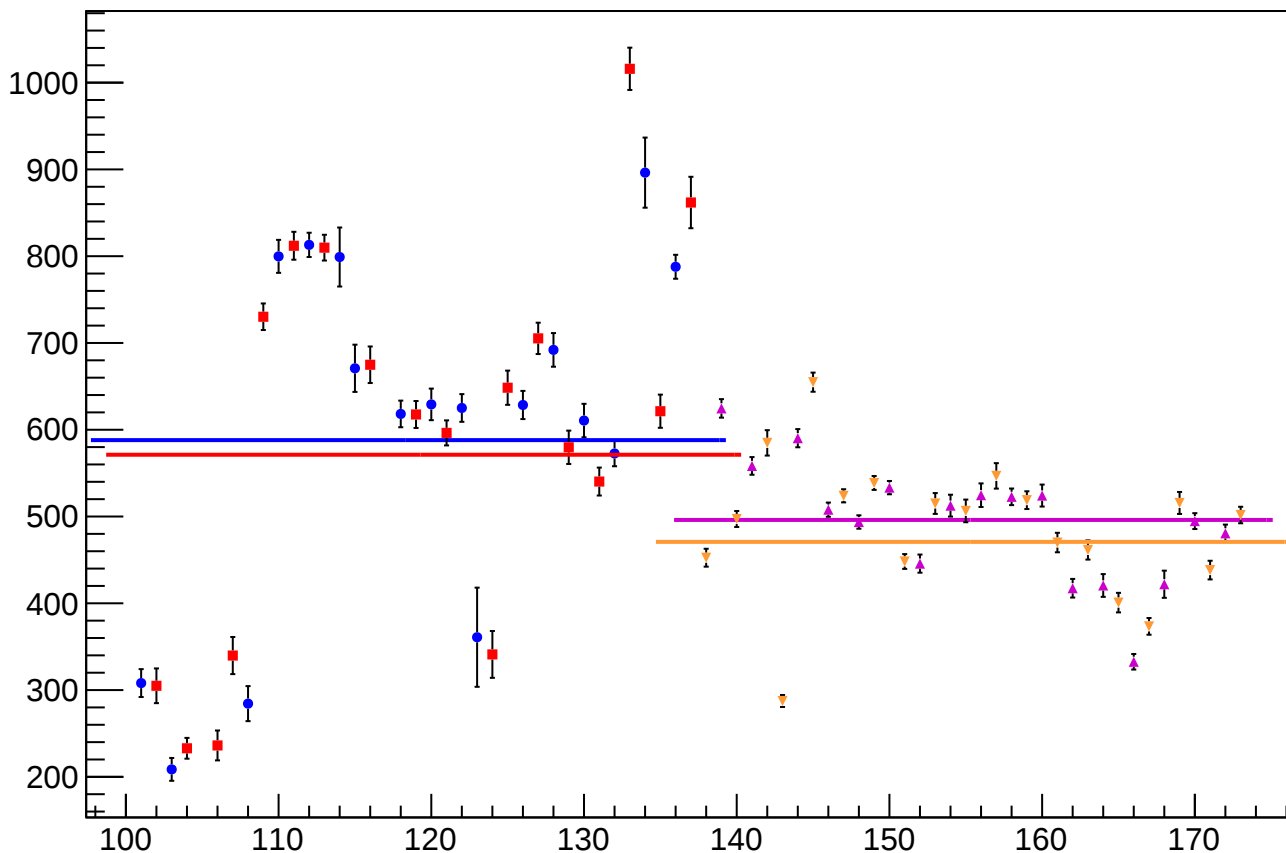
Right: -8.982 ± 1.618 χ^2/NDF : 678.2/34

In: 1.198 ± 1.390 χ^2/NDF : 607.1/33

Out: 3.571 ± 1.295 χ^2/NDF : 604.1/36

All: 2.468 ± 0.947 χ^2/NDF : 1212.7/70

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 588.034 $\pm$ 4.329 χ^2 /NDF: 2127.7/16

Left Out: 470.788 $\pm$ 2.297 χ^2 /NDF:1427.4/18

Right Out: 571.196 $\pm$ 4.151 χ^2 /NDF: 2680.4/17

Left In: 496.060 $\pm$ 2.446 χ^2 /NDF:775.2/16

Left: 482.632 $\pm$ 1.674 χ^2 /NDF: 2259.4/35

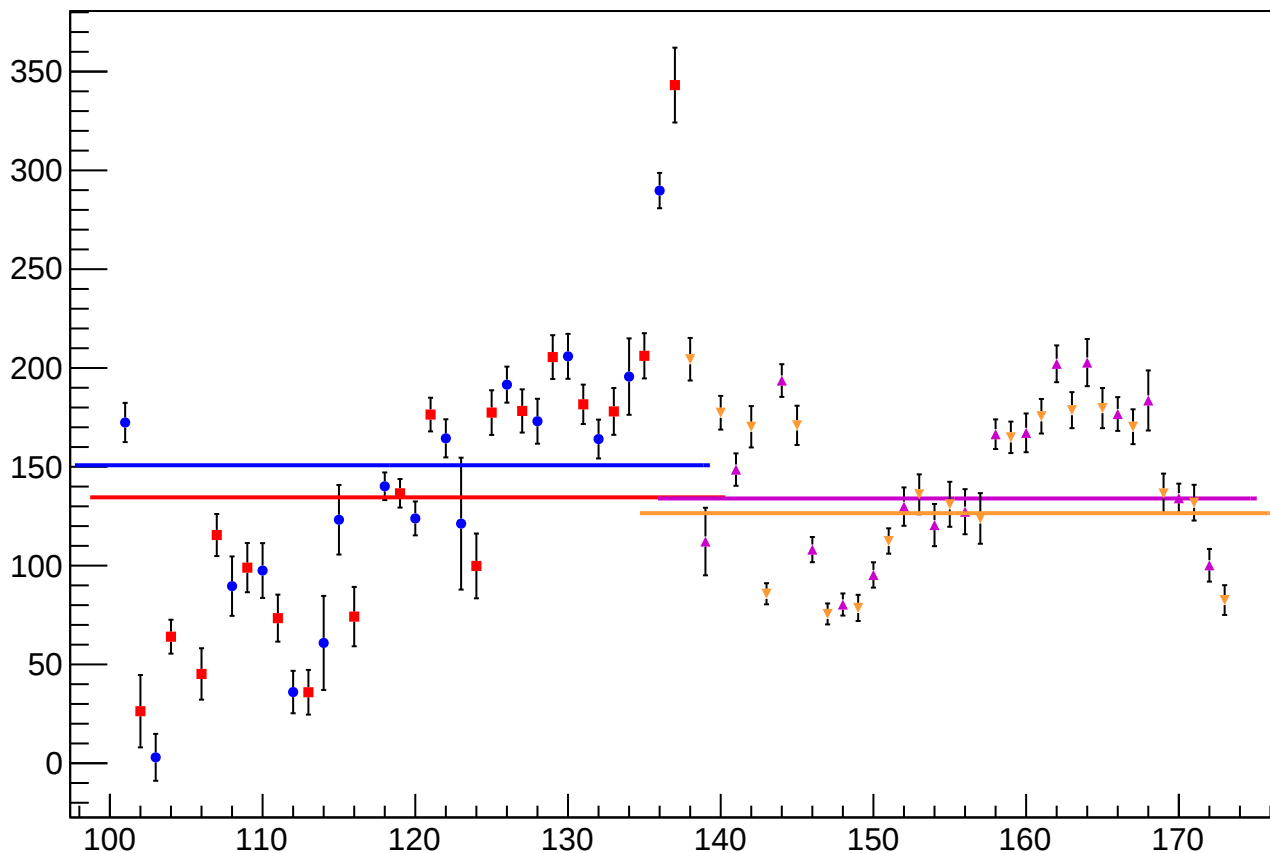
Right: 579.261 $\pm$ 2.996 χ^2 /NDF: 4816.0/34

In: 518.314 $\pm$ 2.129 χ^2 /NDF:3245.1/33

Out: 494.328 $\pm$ 2.010 χ^2 /NDF:4555.8/36

All: 505.629 $\pm$ 1.462 χ^2 /NDF: 7868.0/70

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 150.785 $\pm$ 2.679 χ^2/NDF : 633.1/16

Left Out: 126.534 $\pm$ 1.870 χ^2/NDF :509.1/18

Right Out: 134.549 $\pm$ 2.619 χ^2/NDF : 576.2/17

Left In: 133.979 $\pm$ 2.047 χ^2/NDF :373.6/16

Left: 129.921 $\pm$ 1.380 χ^2/NDF : 889.9/35

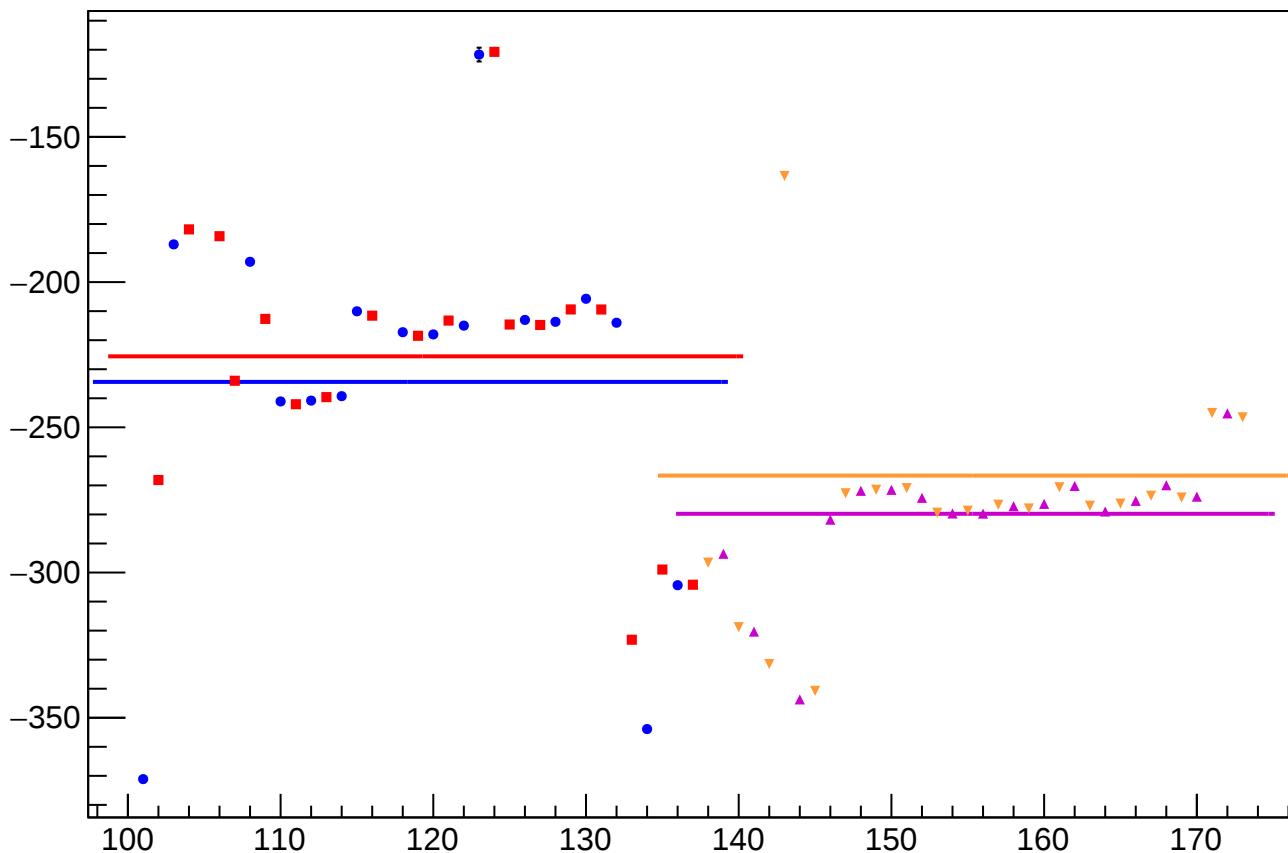
Right: 142.483 $\pm$ 1.873 χ^2/NDF : 1228.1/34

In: 140.171 $\pm$ 1.626 χ^2/NDF :1031.6/33

Out: 129.239 $\pm$ 1.522 χ^2/NDF :1091.5/36

All: 134.342 $\pm$ 1.111 χ^2/NDF : 2147.2/70

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.360+/-0.148 χ^2/NDF : 145159.1/16

Left Out: -266.613+/-0.091 χ^2/NDF : 212746.5/18

Right Out: -225.561+/-0.142 χ^2/NDF : 92955.0/17

Left In: -279.771+/-0.097 χ^2/NDF : 42554.4/16

Left: -272.803+/-0.066 χ^2/NDF : 265094.5/35

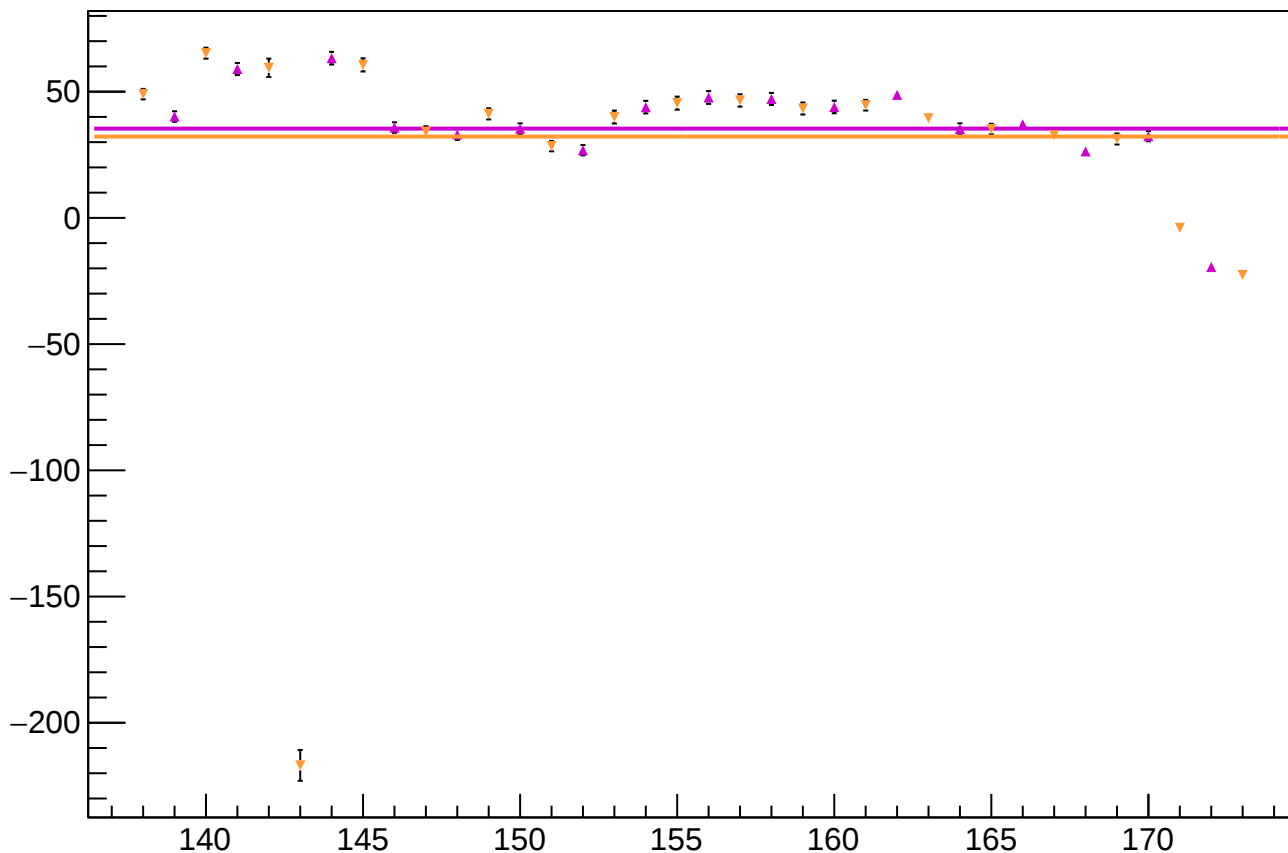
Right: -229.762+/-0.103 χ^2/NDF : 239949.0/34

In: -266.235+/-0.081 χ^2/NDF : 253371.4/33

Out: -254.618+/-0.077 χ^2/NDF : 364919.3/36

All: -260.107+/-0.056 χ^2/NDF : 629124.9/70

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: 32.218+/-0.515 χ^2/NDF :3456.9/18

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

Left In: 35.361+/-0.522 χ^2/NDF :1201.3/16

Left: 33.768+/-0.367 χ^2/NDF : 4676.6/35

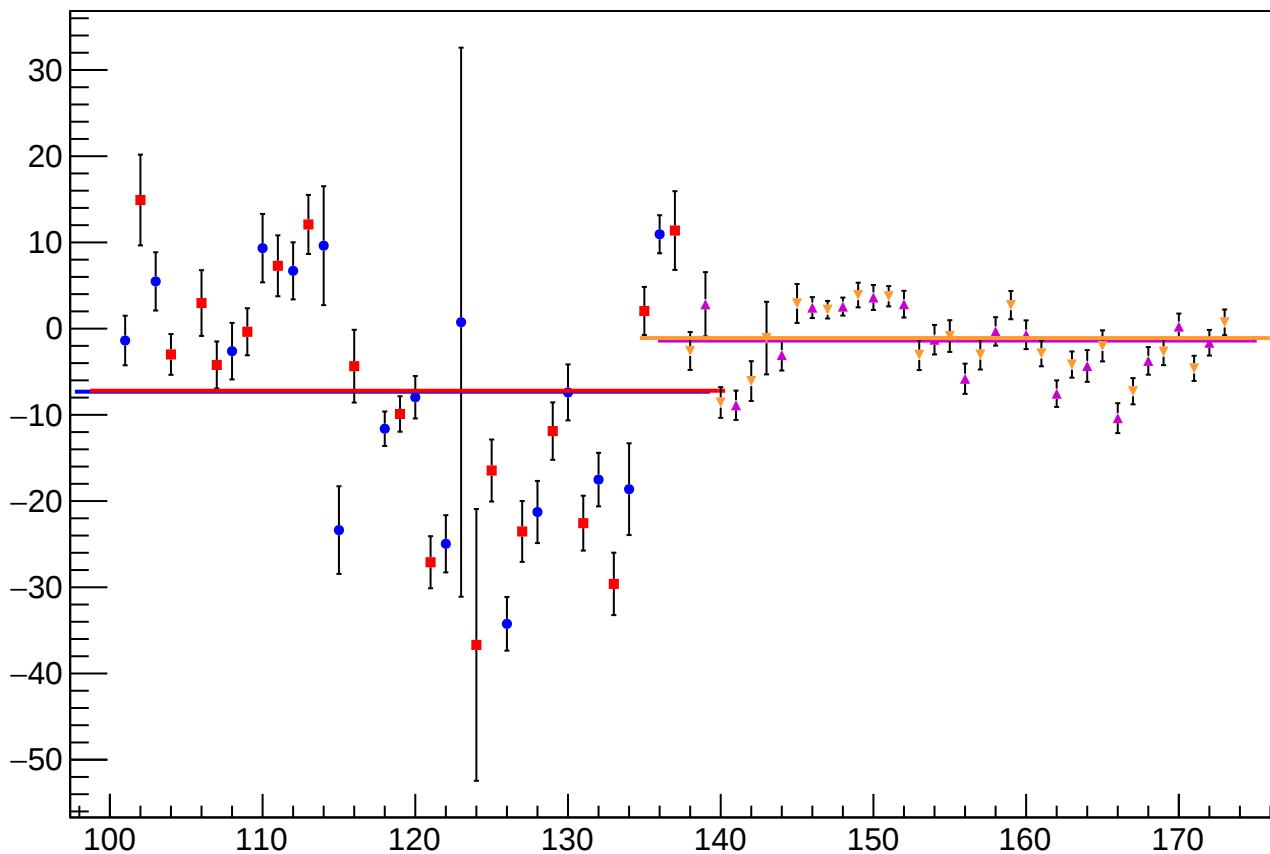
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 35.361+/-0.522 χ^2/NDF :1201.3/16

Out: 32.218+/-0.515 χ^2/NDF :3456.9/18

All: 33.768+/-0.367 χ^2/NDF : 4676.6/35

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.313 ± 0.780 χ^2/NDF : 279.1/16

Left Out: -1.095 ± 0.368 χ^2/NDF : 103.8/18

Right Out: -7.202 ± 0.762 χ^2/NDF : 252.1/17

Left In: -1.384 ± 0.380 χ^2/NDF : 120.7/16

Left: -1.235 ± 0.264 χ^2/NDF : 224.8/35

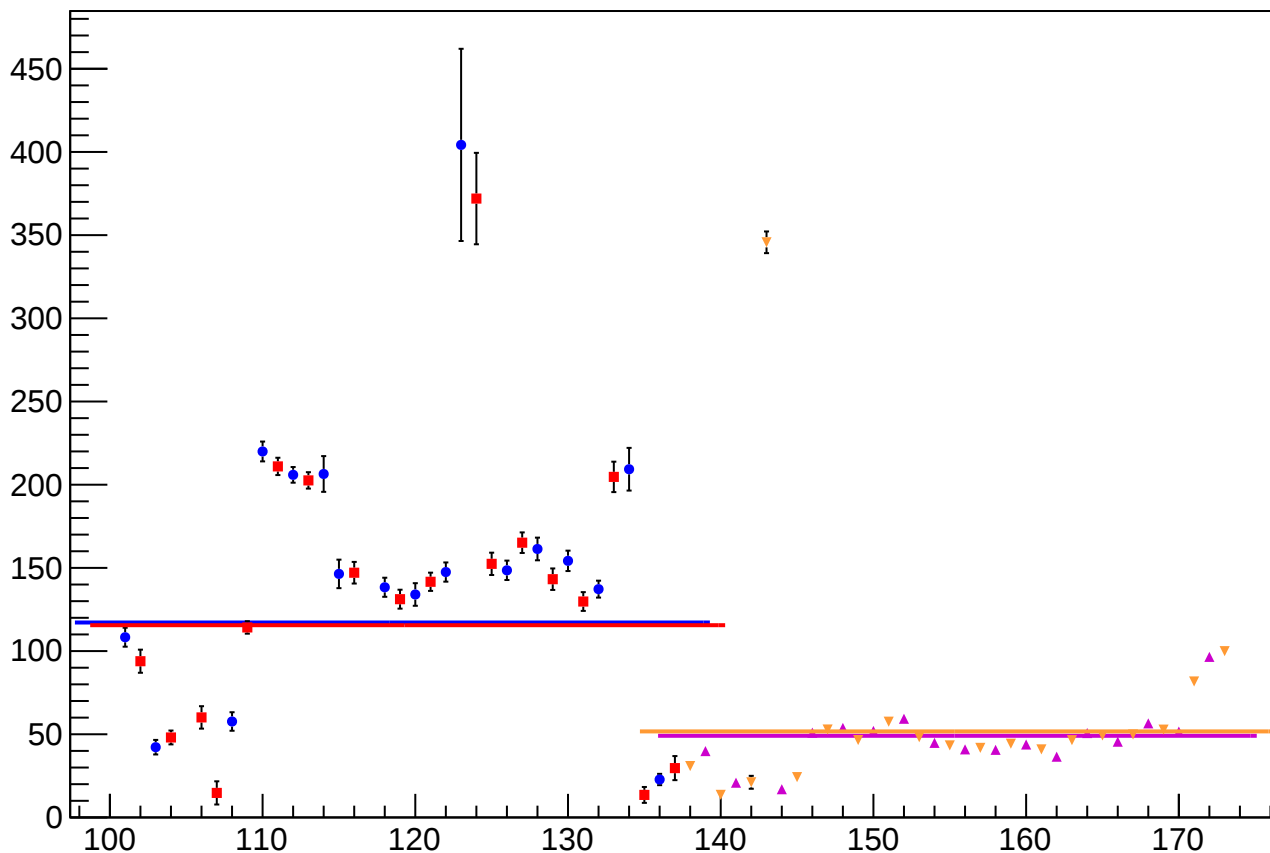
Right: -7.256 ± 0.545 χ^2/NDF : 531.2/34

In: -2.519 ± 0.341 χ^2/NDF : 446.5/33

Out: -2.248 ± 0.331 χ^2/NDF : 408.0/36

All: -2.380 ± 0.238 χ^2/NDF : 854.8/70

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.177 $\pm$ 1.411 χ^2 /NDF: 2159.6/16

Left Out: 51.721 $\pm$ 0.508 χ^2 /NDF:3470.9/18

Right Out: 115.556 $\pm$ 1.363 χ^2 /NDF: 2149.2/17

Left In: 49.089 $\pm$ 0.513 χ^2 /NDF:1001.5/16

Left: 50.417 $\pm$ 0.361 χ^2 /NDF: 4485.7/35

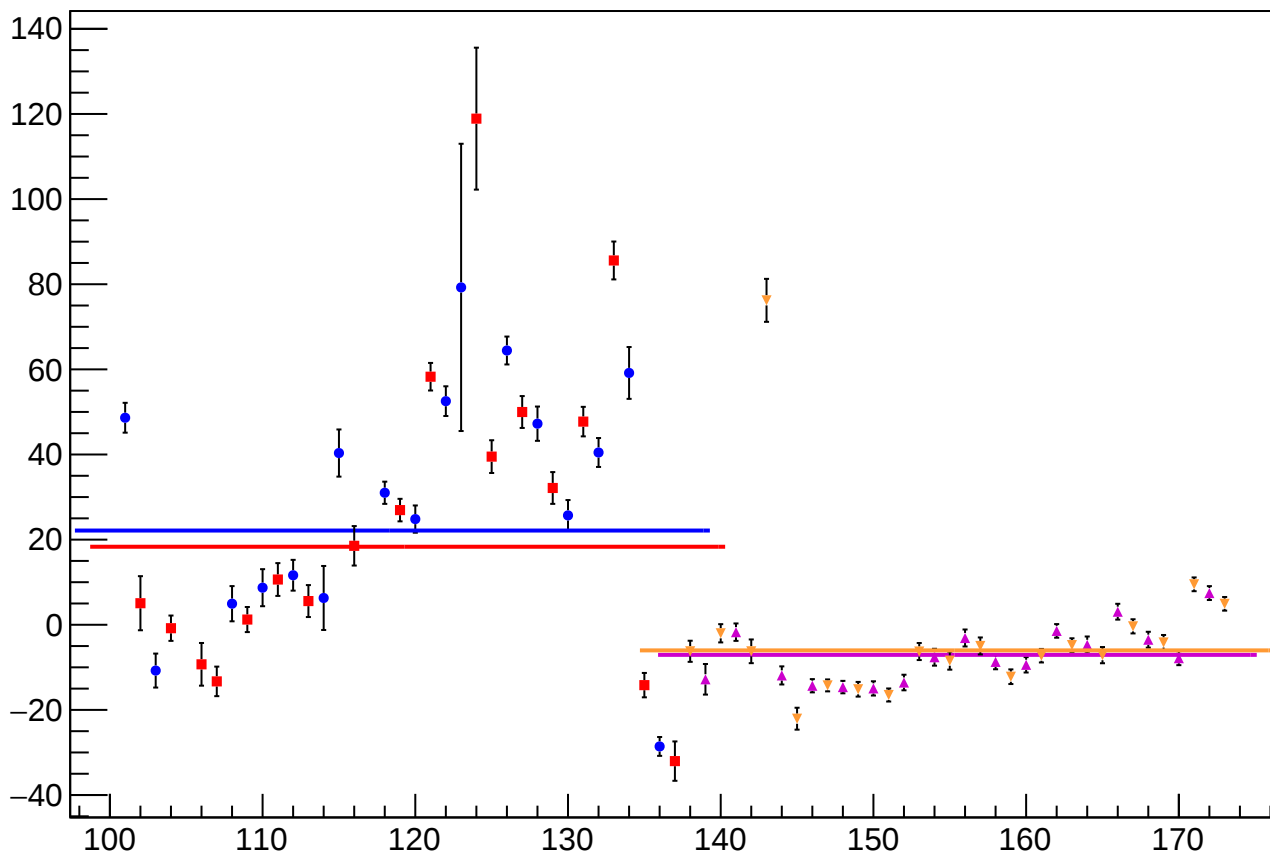
Right: 116.338 $\pm$ 0.981 χ^2 /NDF: 4309.5/34

In: 57.028 $\pm$ 0.482 χ^2 /NDF:5217.1/33

Out: 59.508 $\pm$ 0.476 χ^2 /NDF:7545.5/36

All: 58.283 $\pm$ 0.339 χ^2 /NDF: 12776.0/70

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.136 ± 0.891 $\chi^2/\text{NDF}: 1064.1/16$

Left Out: -6.020 ± 0.425 $\chi^2/\text{NDF}: 584.2/18$

Right Out: 18.331 ± 0.872 $\chi^2/\text{NDF}: 1070.4/17$

Left In: -7.069 ± 0.439 $\chi^2/\text{NDF}: 231.0/16$

Left: -6.527 ± 0.305 $\chi^2/\text{NDF}: 818.1/35$

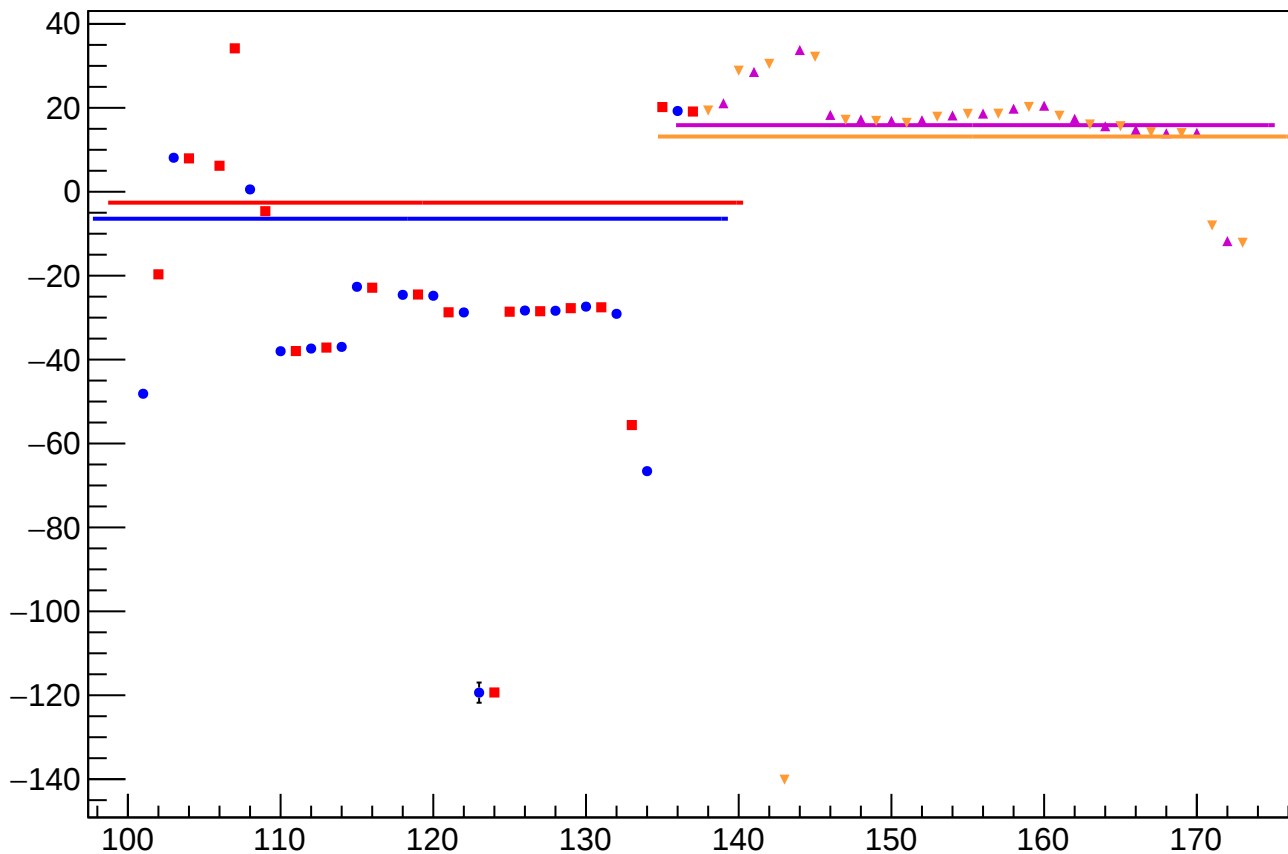
Right: 20.192 ± 0.623 $\chi^2/\text{NDF}: 2143.8/34$

In: -1.369 ± 0.394 $\chi^2/\text{NDF}: 2159.5/33$

Out: -1.354 ± 0.382 $\chi^2/\text{NDF}: 2284.9/36$

All: -1.362 ± 0.274 $\chi^2/\text{NDF}: 4444.5/70$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.428 $\pm$ 0.046 χ^2/NDF : 265170.6/16

Left Out: 13.160 $\pm$ 0.020 χ^2/NDF : 664957.0/18

Right Out: -2.597 $\pm$ 0.046 χ^2/NDF : 263579.4/17

Left In: 15.871 $\pm$ 0.020 χ^2/NDF : 210044.8/16

Left: 14.497 $\pm$ 0.014 χ^2/NDF : 884376.8/35

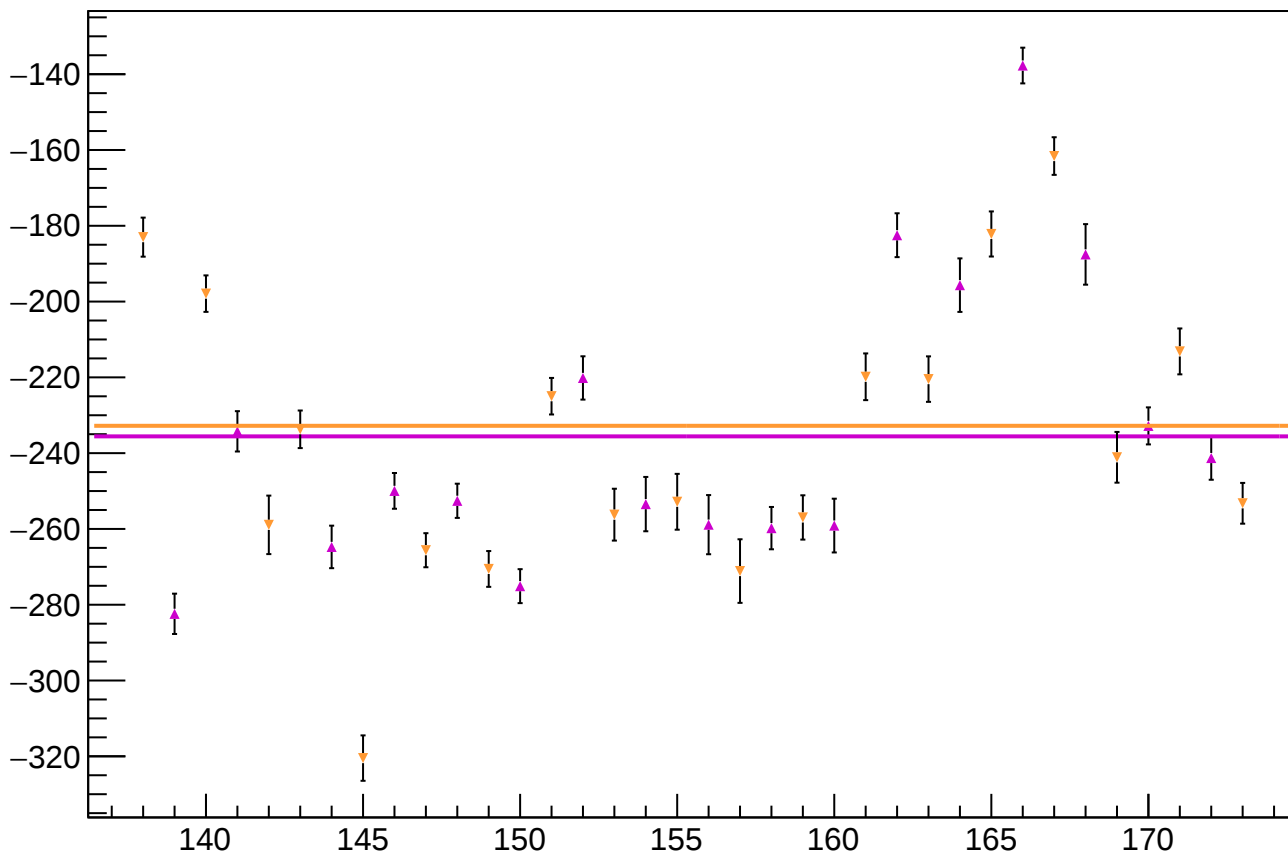
Right: -4.494 $\pm$ 0.033 χ^2/NDF : 532217.8/34

In: 12.374 $\pm$ 0.018 χ^2/NDF : 671533.4/33

Out: 10.706 $\pm$ 0.018 χ^2/NDF : 1028584.6/36

All: 11.530 $\pm$ 0.013 χ^2/NDF : 1704325.1/70

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: -232.783 ± 1.298 χ^2/NDF : 861.7/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -235.572 ± 1.352 χ^2/NDF : 842.6/16

Left: -234.121 ± 0.936 χ^2/NDF : 1706.5/35

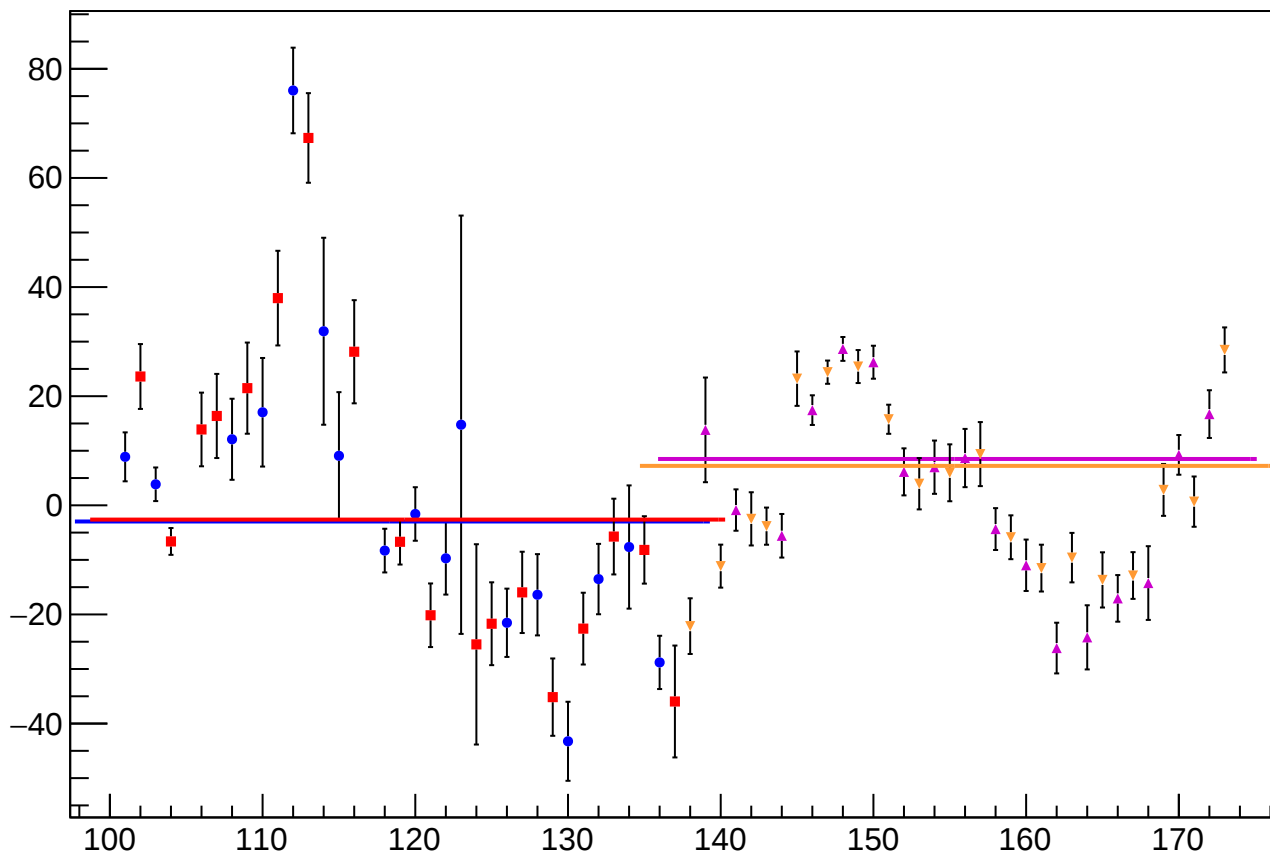
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -235.572 ± 1.352 χ^2/NDF : 842.6/16

Out: -232.783 ± 1.298 χ^2/NDF : 861.7/18

All: -234.121 ± 0.936 χ^2/NDF : 1706.5/35

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.964 ± 1.452 χ^2/NDF : 203.5/16

Left Out: 7.229 ± 0.890 χ^2/NDF : 303.7/18

Right Out: -2.615 ± 1.399 χ^2/NDF : 210.5/17

Left In: 8.494 ± 0.945 χ^2/NDF : 315.1/16

Left: 7.824 ± 0.648 χ^2/NDF : 619.8/35

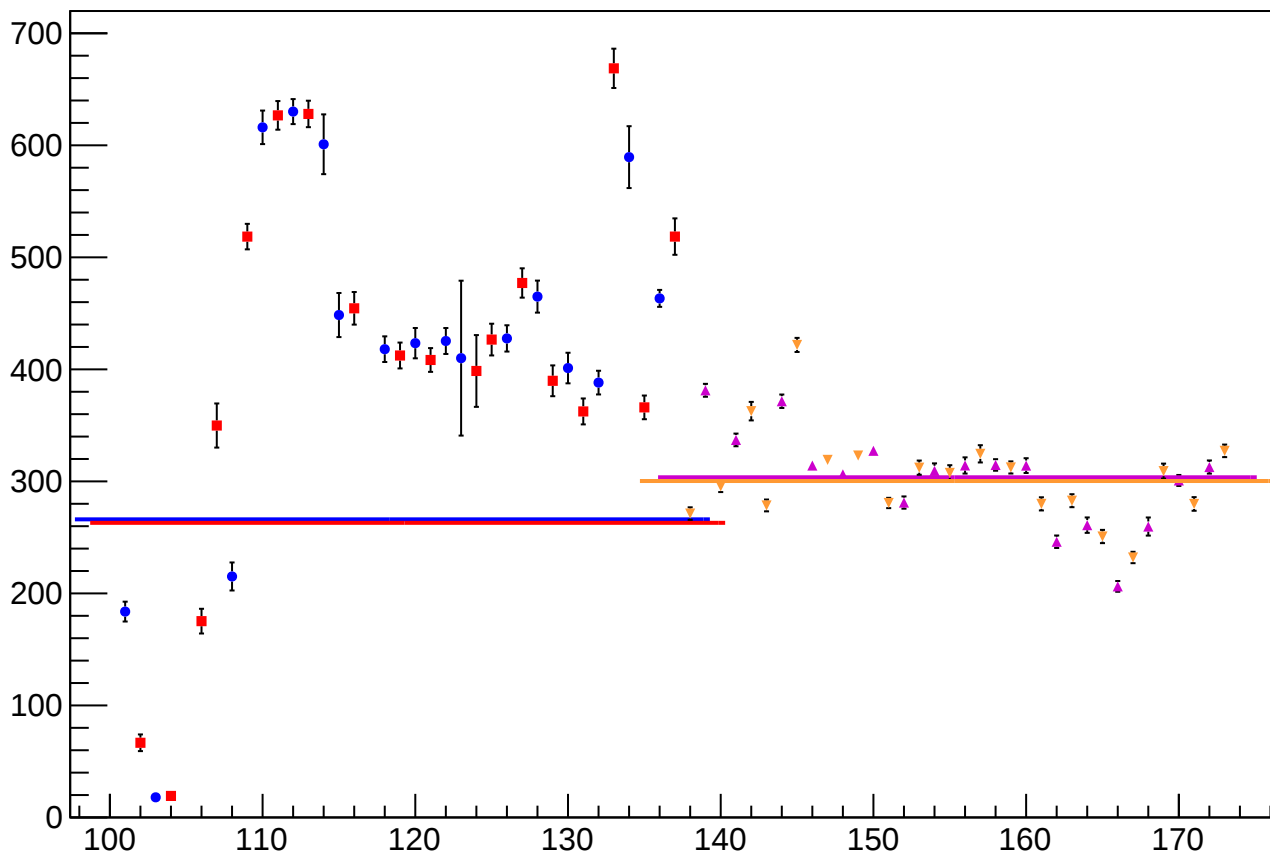
Right: -2.783 ± 1.008 χ^2/NDF : 414.0/34

In: 5.088 ± 0.792 χ^2/NDF : 562.4/33

Out: 4.390 ± 0.751 χ^2/NDF : 549.5/36

All: 4.721 ± 0.545 χ^2/NDF : 1112.3/70

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 266.111+/-2.480 χ^2/NDF : 7644.0/16

Left Out: 300.328+/-1.286 χ^2/NDF : 866.9/18

Right Out: 263.003+/-2.467 χ^2/NDF : 8172.0/17

Left In: 303.657+/-1.325 χ^2/NDF : 998.0/16

Left: 301.942+/-0.923 χ^2/NDF : 1868.1/35

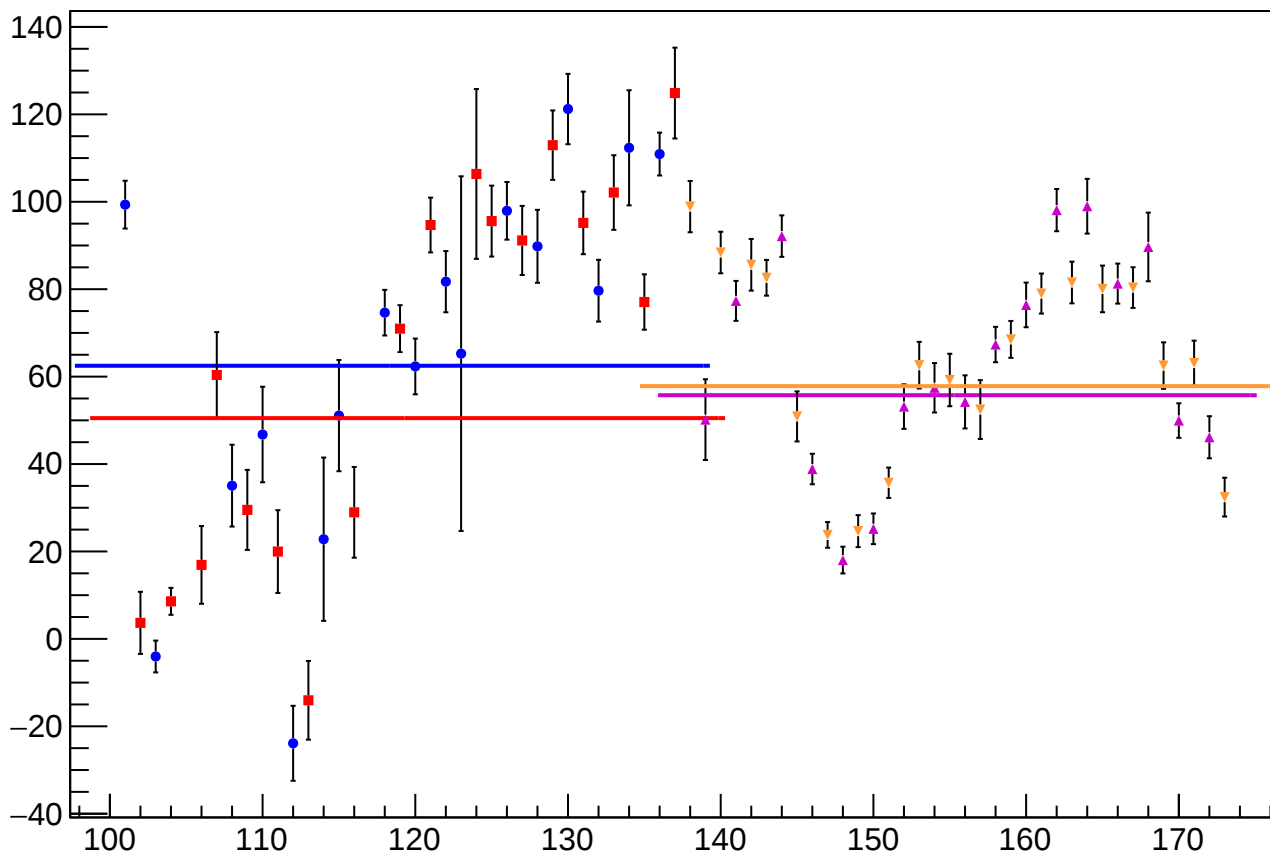
Right: 264.548+/-1.749 χ^2/NDF : 15816.8/34

In: 295.322+/-1.169 χ^2/NDF : 8820.3/33

Out: 292.355+/-1.140 χ^2/NDF : 9218.9/36

All: 293.801+/-0.816 χ^2/NDF : 18042.6/70

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.485 $\pm$ 1.681 χ^2 /NDF: 720.8/16

Left Out: 57.822 $\pm$ 1.052 χ^2 /NDF: 537.1/18

Right Out: 50.506 $\pm$ 1.644 χ^2 /NDF: 650.6/17

Left In: 55.748 $\pm$ 1.111 χ^2 /NDF: 538.4/16

Left: 56.841 $\pm$ 0.764 χ^2 /NDF: 1077.3/35

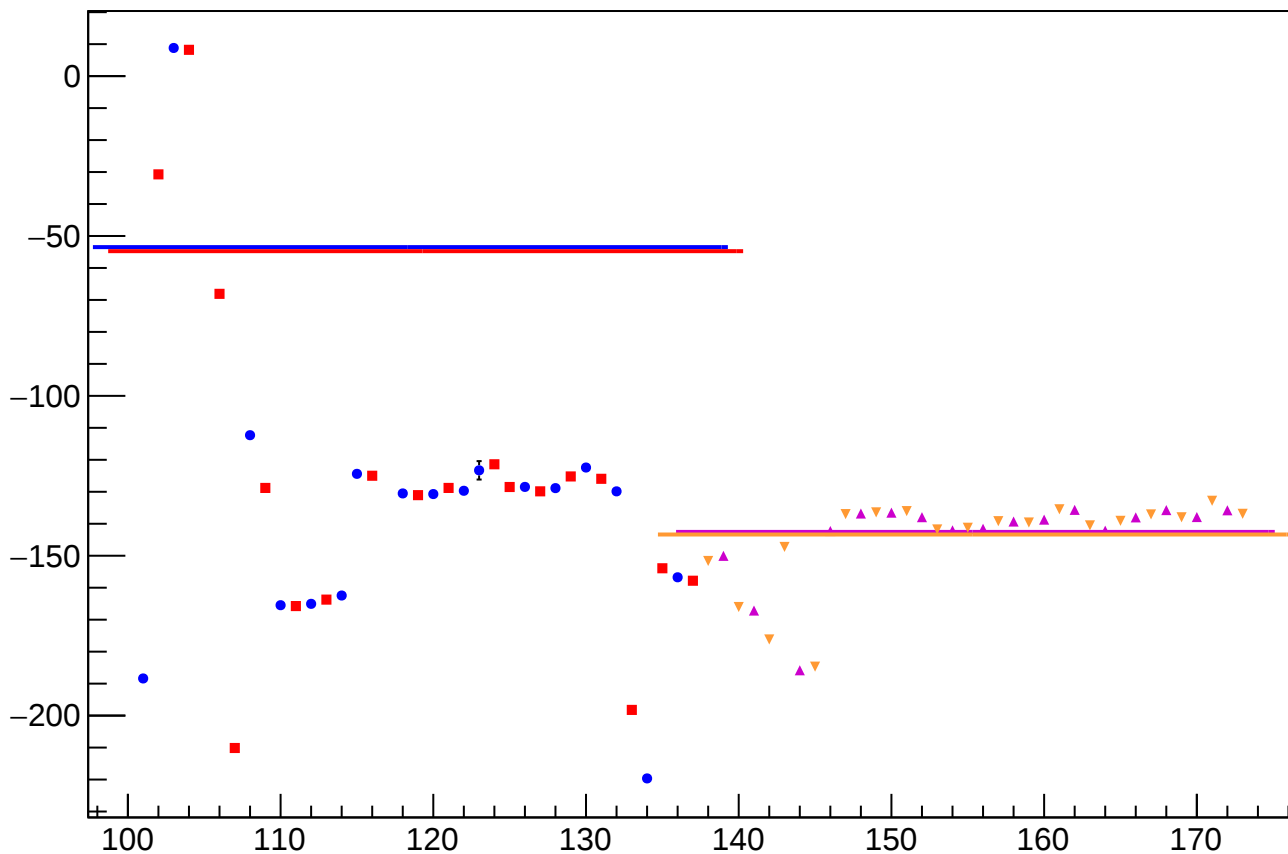
Right: 56.364 $\pm$ 1.175 χ^2 /NDF: 1397.3/34

In: 57.796 $\pm$ 0.927 χ^2 /NDF: 1270.4/33

Out: 55.698 $\pm$ 0.886 χ^2 /NDF: 1201.7/36

All: 56.700 $\pm$ 0.640 χ^2 /NDF: 2474.8/70

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.481 $\pm$ 0.070 χ^2 /NDF: 1228730.5/16

Left Out: -143.363 $\pm$ 0.051 χ^2 /NDF: 60385.4/18

Right Out: -54.748 $\pm$ 0.072 χ^2 /NDF: 952446.3/17

Left In: -142.552 $\pm$ 0.052 χ^2 /NDF: 46831.2/16

Left: -142.968 $\pm$ 0.037 χ^2 /NDF: 107339.8/35

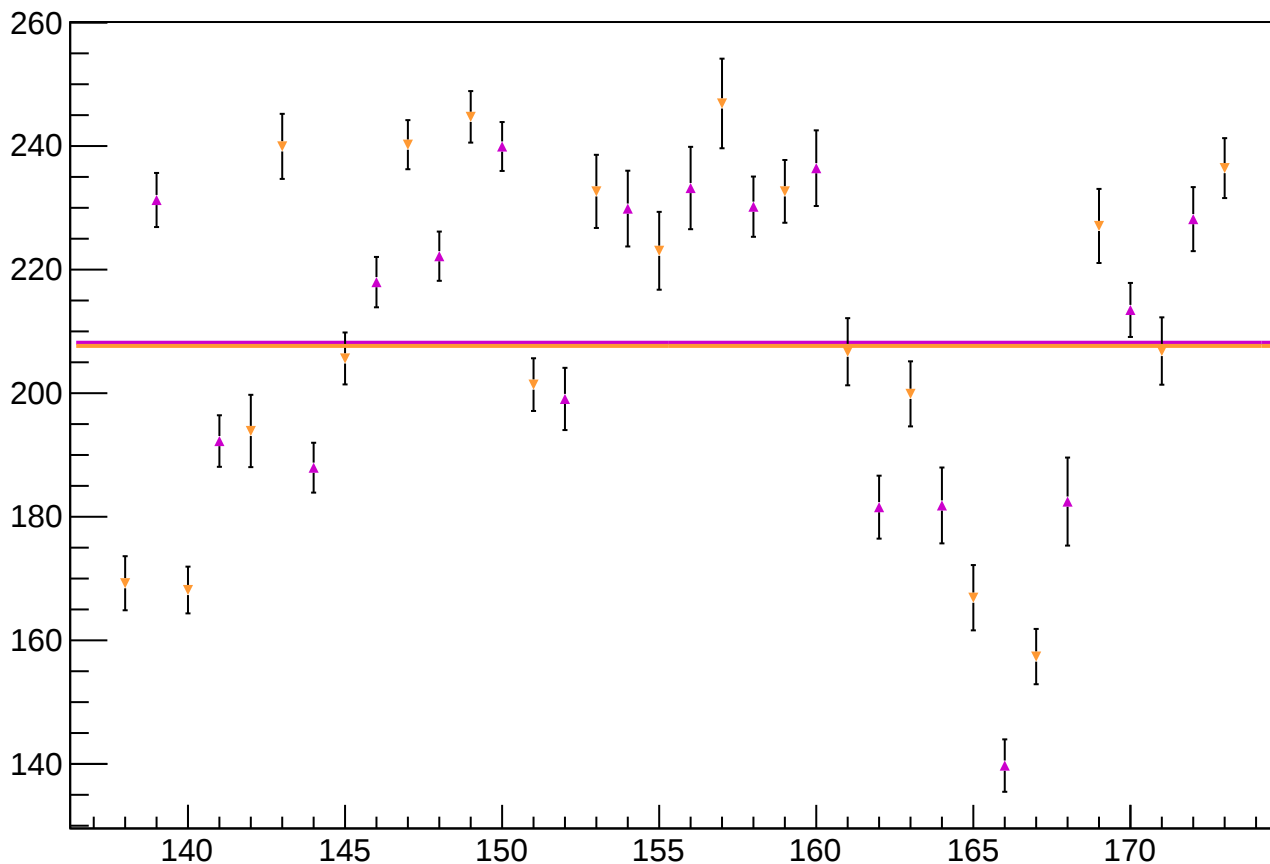
Right: -54.098 $\pm$ 0.050 χ^2 /NDF: 2181335.1/34

In: -110.783 $\pm$ 0.042 χ^2 /NDF: 2308027.8/33

Out: -113.873 $\pm$ 0.042 χ^2 /NDF: 2019799.7/36

All: -112.342 $\pm$ 0.030 χ^2 /NDF: 4330560.3/70

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: 207.653+/-1.124 χ^2/NDF : 688.8/18

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

Left In: 208.166+/-1.158 χ^2/NDF : 556.9/16

Left: 207.902+/-0.807 χ^2/NDF : 1245.8/35

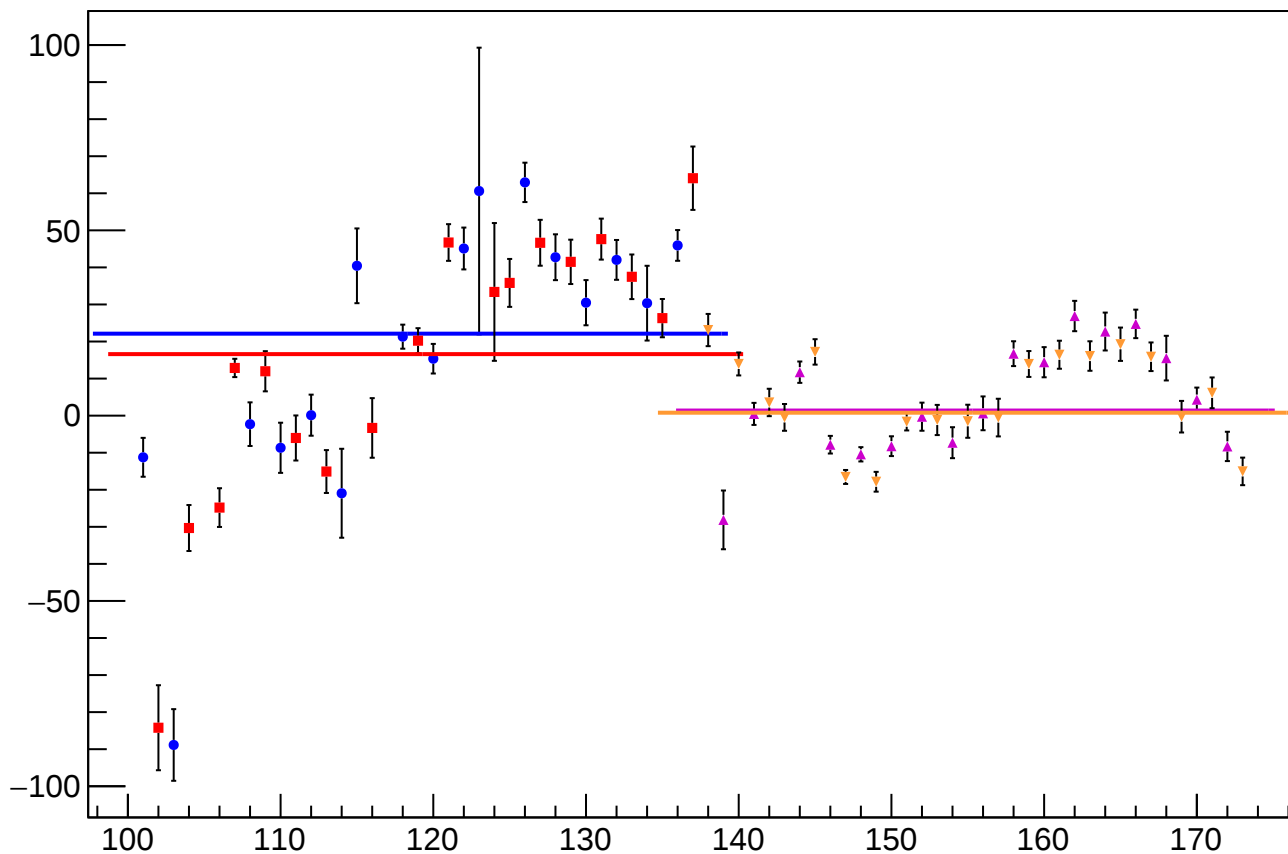
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 208.166+/-1.158 χ^2/NDF : 556.9/16

Out: 207.653+/-1.124 χ^2/NDF : 688.8/18

All: 207.902+/-0.807 χ^2/NDF : 1245.8/35

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.119 ± 1.376 $\chi^2/\text{NDF}: 382.0/16$

Left Out: 0.793 ± 0.776 $\chi^2/\text{NDF}: 300.9/18$

Right Out: 16.602 ± 1.229 $\chi^2/\text{NDF}: 416.8/17$

Left In: 1.379 ± 0.814 $\chi^2/\text{NDF}: 233.5/16$

Left: 1.072 ± 0.562 $\chi^2/\text{NDF}: 534.7/35$

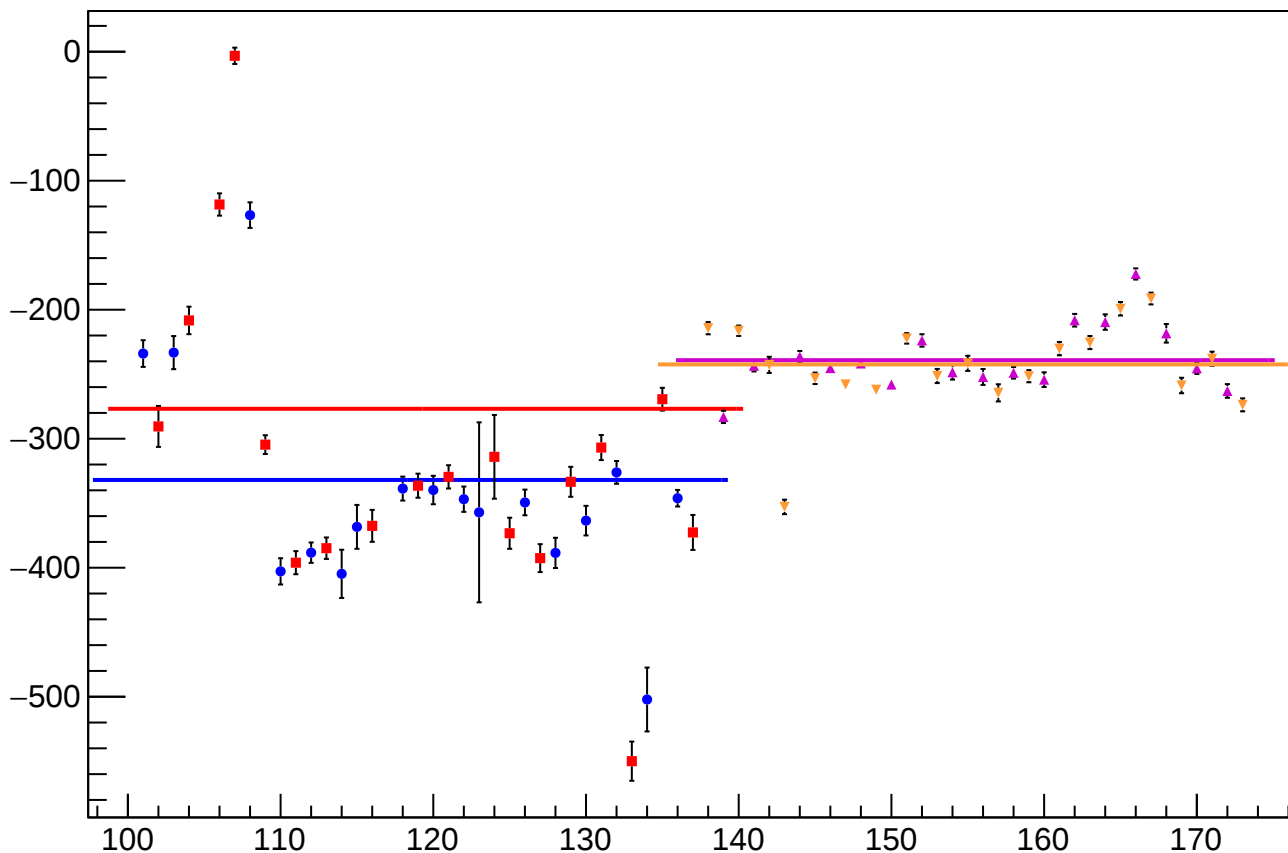
Right: 19.049 ± 0.917 $\chi^2/\text{NDF}: 807.7/34$

In: 6.750 ± 0.700 $\chi^2/\text{NDF}: 783.7/33$

Out: 5.300 ± 0.656 $\chi^2/\text{NDF}: 836.1/36$

All: 5.978 ± 0.479 $\chi^2/\text{NDF}: 1622.1/70$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.952 ± 2.567 $\chi^2/\text{NDF}: 785.6/16$

Left Out: -242.406 ± 1.116 $\chi^2/\text{NDF}: 809.7/18$

Right Out: -276.804 ± 2.329 $\chi^2/\text{NDF}: 3330.4/17$

Left In: -239.112 ± 1.140 $\chi^2/\text{NDF}: 479.7/16$

Left: -240.793 ± 0.797 $\chi^2/\text{NDF}: 1293.7/35$

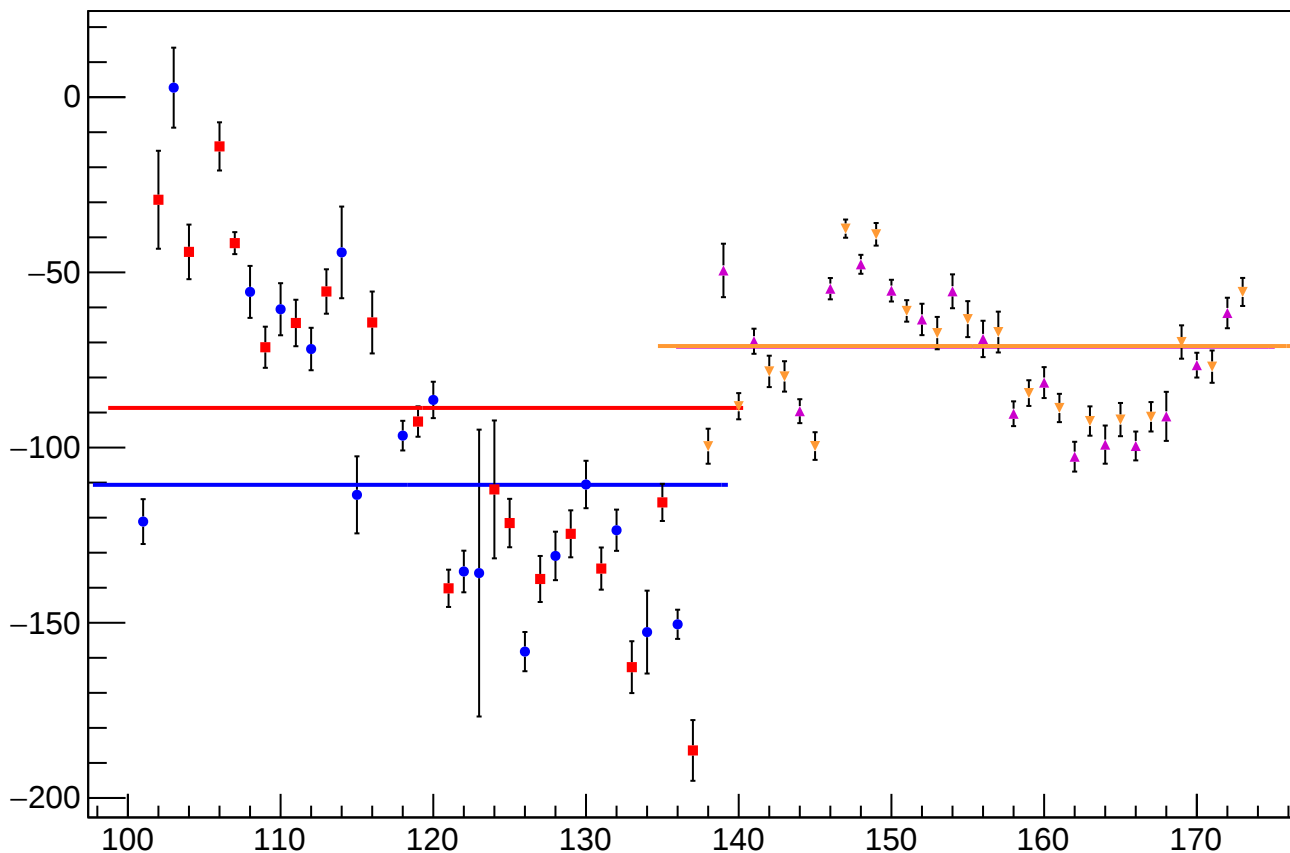
Right: -301.706 ± 1.725 $\chi^2/\text{NDF}: 4369.1/34$

In: -254.396 ± 1.042 $\chi^2/\text{NDF}: 2357.7/33$

Out: -248.830 ± 1.007 $\chi^2/\text{NDF}: 4317.4/36$

All: -251.518 ± 0.724 $\chi^2/\text{NDF}: 6689.9/70$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -110.633 ± 1.581 χ^2/NDF : 508.9/16

Left Out: -71.024 ± 0.916 χ^2/NDF : 508.8/18

Right Out: -88.683 ± 1.434 χ^2/NDF : 964.0/17

Left In: -71.196 ± 0.957 χ^2/NDF : 361.3/16

Left: -71.106 ± 0.662 χ^2/NDF : 870.1/35

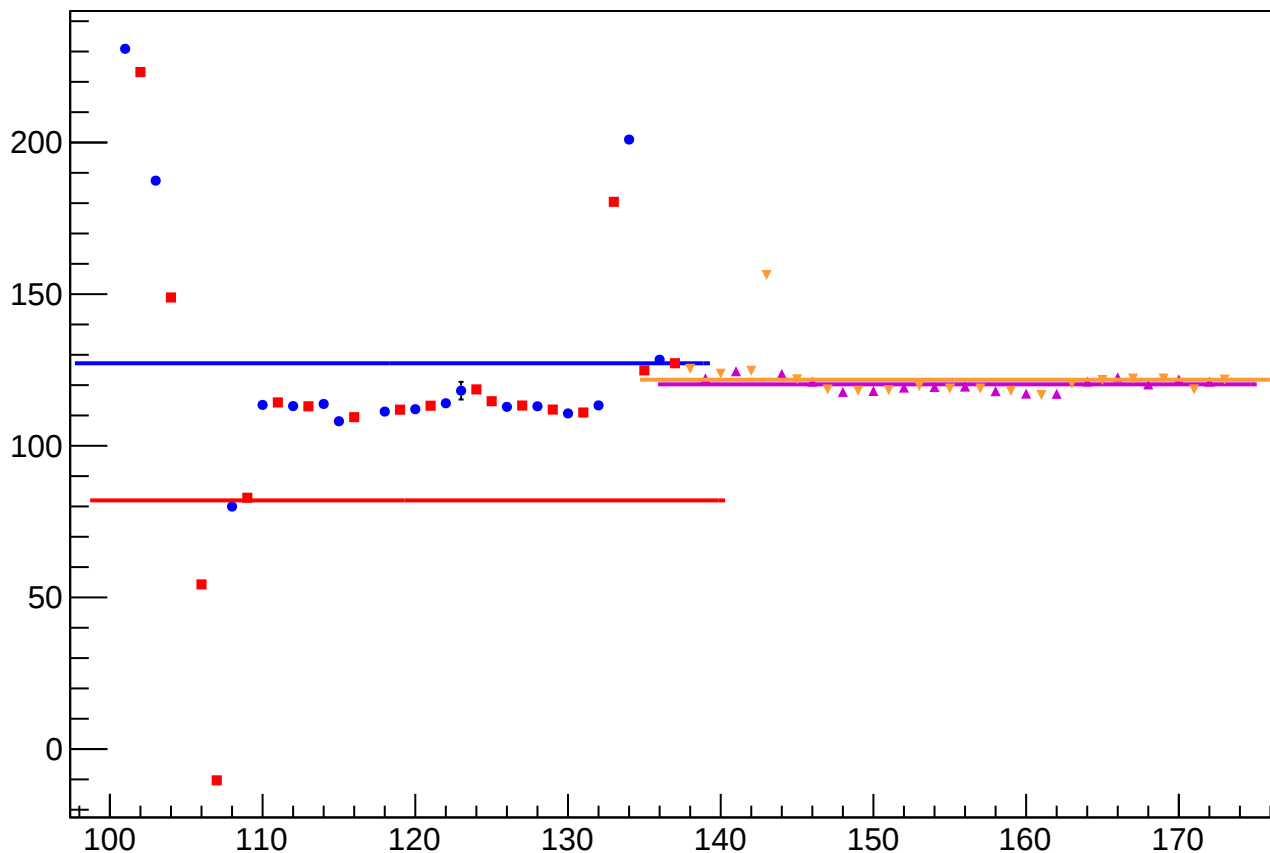
Right: -98.593 ± 1.062 χ^2/NDF : 1578.5/34

In: -81.766 ± 0.819 χ^2/NDF : 1325.5/33

Out: -76.141 ± 0.772 χ^2/NDF : 1580.4/36

All: -78.790 ± 0.562 χ^2/NDF : 2930.9/70

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.205 $\pm$ 0.089 χ^2 /NDF: 188026.3/16

Left Out: 121.784 $\pm$ 0.044 χ^2 /NDF: 27034.0/18

Right Out: 81.994 $\pm$ 0.075 χ^2 /NDF: 749824.5/17

Left In: 120.268 $\pm$ 0.045 χ^2 /NDF: 2528.7/16

Left: 121.040 $\pm$ 0.032 χ^2 /NDF: 30138.9/35

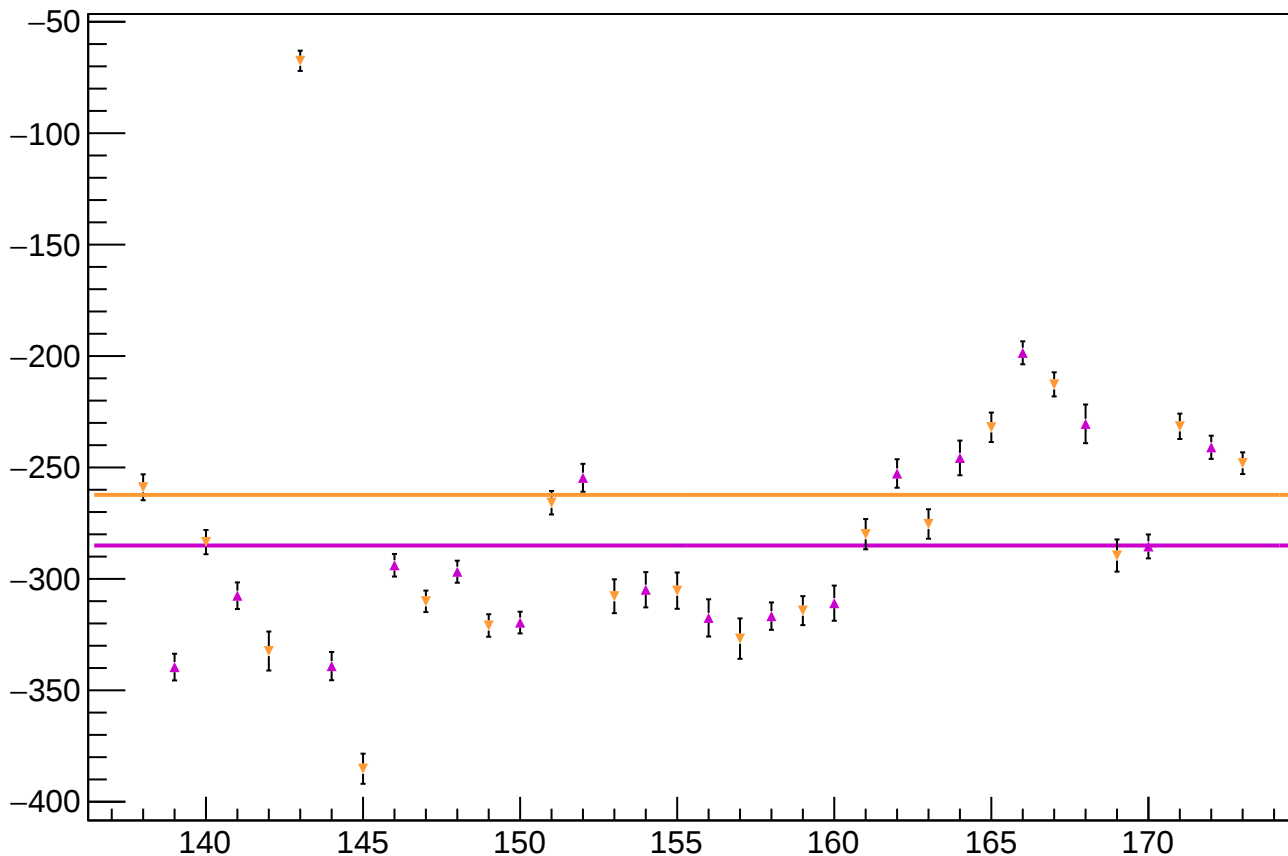
Right: 100.877 $\pm$ 0.058 χ^2 /NDF: 1087676.4/34

In: 121.681 $\pm$ 0.040 χ^2 /NDF: 195377.9/33

Out: 111.611 $\pm$ 0.038 χ^2 /NDF: 983683.2/36

All: 116.382 $\pm$ 0.028 χ^2 /NDF: 1212035.6/70

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: -262.306+/-1.378 χ^2/NDF :2822.3/18

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

Left In: -285.022+/-1.467 χ^2/NDF :755.1/16

Left: -272.947+/-1.004 χ^2/NDF : 3704.7/35

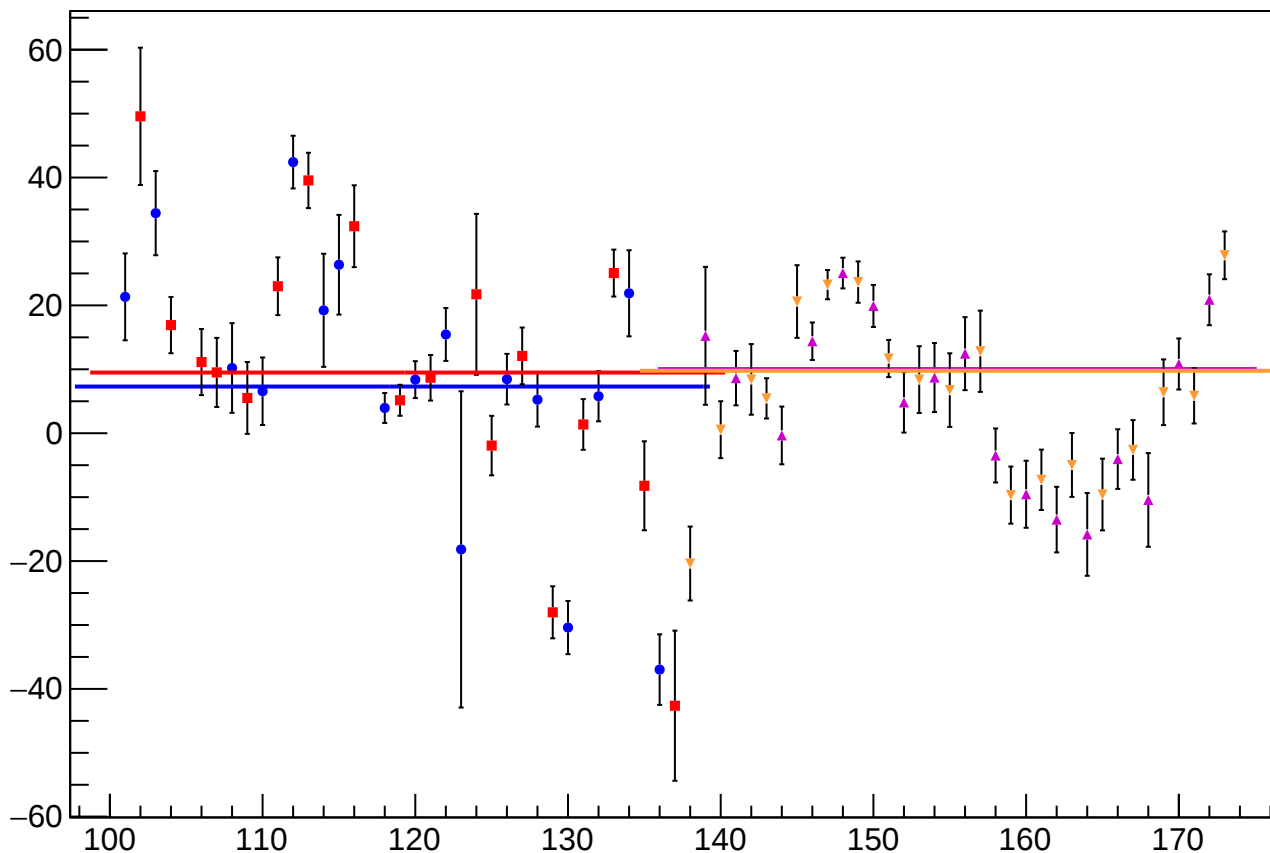
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -285.022+/-1.467 χ^2/NDF :755.1/16

Out: -262.306+/-1.378 χ^2/NDF :2822.3/18

All: -272.947+/-1.004 χ^2/NDF : 3704.7/35

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.303 ± 1.086 χ^2/NDF : 260.6/16

Left Out: 9.775 ± 0.946 χ^2/NDF : 175.5/18

Right Out: 9.493 ± 1.073 χ^2/NDF : 231.1/17

Left In: 10.037 ± 1.026 χ^2/NDF : 143.0/16

Left: 9.895 ± 0.696 χ^2/NDF : 318.6/35

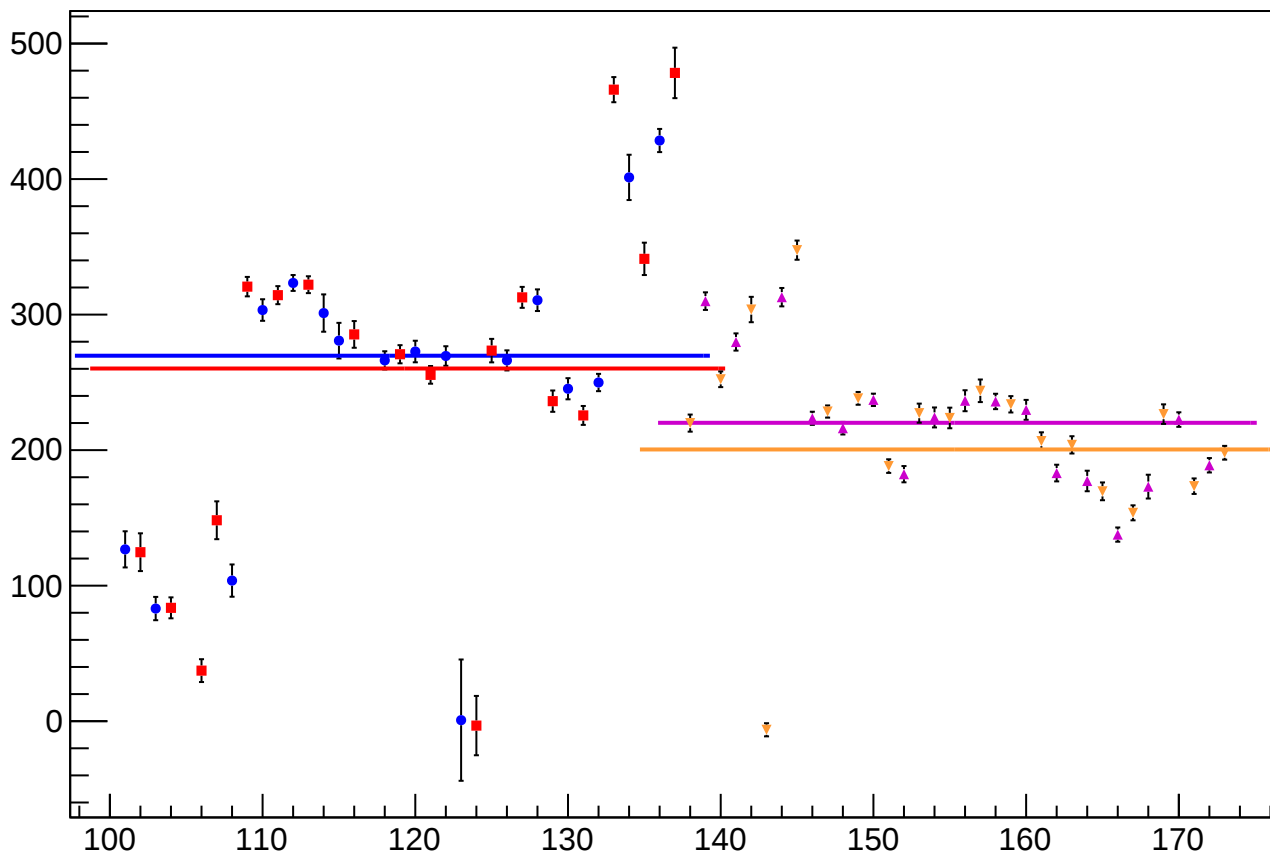
Right: 8.410 ± 0.763 χ^2/NDF : 493.8/34

In: 8.746 ± 0.746 χ^2/NDF : 407.0/33

Out: 9.651 ± 0.710 χ^2/NDF : 406.7/36

All: 9.221 ± 0.514 χ^2/NDF : 814.5/70

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.664 $\pm$ 2.076 χ^2 /NDF: 1376.6/16

Left Out: 200.495 $\pm$ 1.367 χ^2 /NDF: 2779.1/18

Right Out: 260.226 $\pm$ 1.979 χ^2 /NDF: 2528.0/17

Left In: 220.161 $\pm$ 1.439 χ^2 /NDF: 914.2/16

Left: 209.828 $\pm$ 0.991 χ^2 /NDF: 3791.4/35

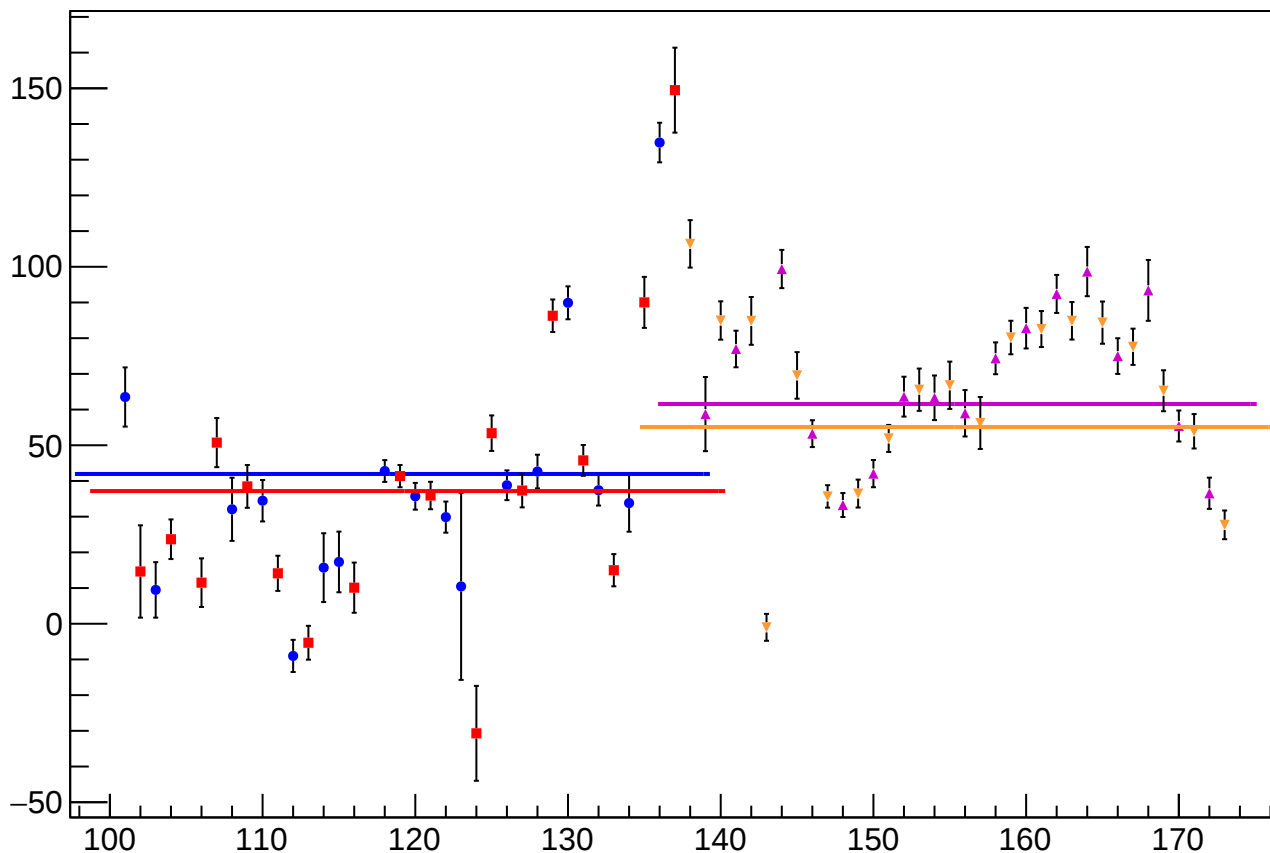
Right: 264.719 $\pm$ 1.432 χ^2 /NDF: 3915.4/34

In: 236.225 $\pm$ 1.183 χ^2 /NDF: 2674.8/33

Out: 219.801 $\pm$ 1.125 χ^2 /NDF: 5923.7/36

All: 227.603 $\pm$ 0.815 χ^2 /NDF: 8699.8/70

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.959 $\pm$ 1.258 χ^2 /NDF: 574.2/16

Left Out: 55.107 $\pm$ 1.116 χ^2 /NDF: 588.5/18

Right Out: 37.171 $\pm$ 1.236 χ^2 /NDF: 470.9/17

Left In: 61.562 $\pm$ 1.206 χ^2 /NDF: 301.7/16

Left: 58.085 $\pm$ 0.819 χ^2 /NDF: 905.7/35

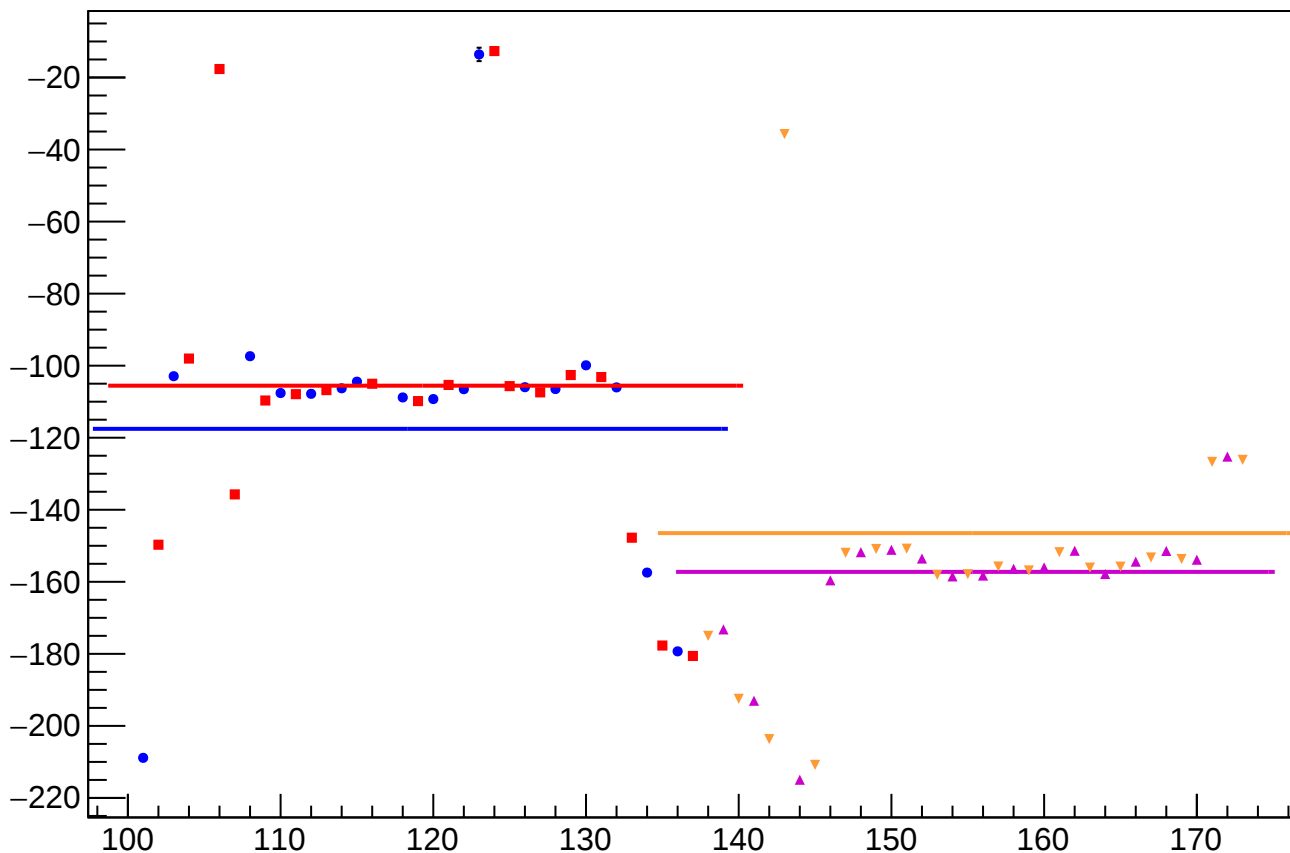
Right: 39.523 $\pm$ 0.882 χ^2 /NDF: 1052.5/34

In: 52.179 $\pm$ 0.870 χ^2 /NDF: 1002.5/33

Out: 47.053 $\pm$ 0.828 χ^2 /NDF: 1175.4/36

All: 49.489 $\pm$ 0.600 χ^2 /NDF: 2196.1/70

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.533+/-0.078 χ^2/NDF : 142039.8/16

Left Out: -146.480+/-0.054 χ^2/NDF : 480331.5/18

Right Out: -105.555+/-0.073 χ^2/NDF : 317428.5/17

Left In: -157.246+/-0.057 χ^2/NDF : 93991.8/16

Left: -151.597+/-0.039 χ^2/NDF : 593212.3/35

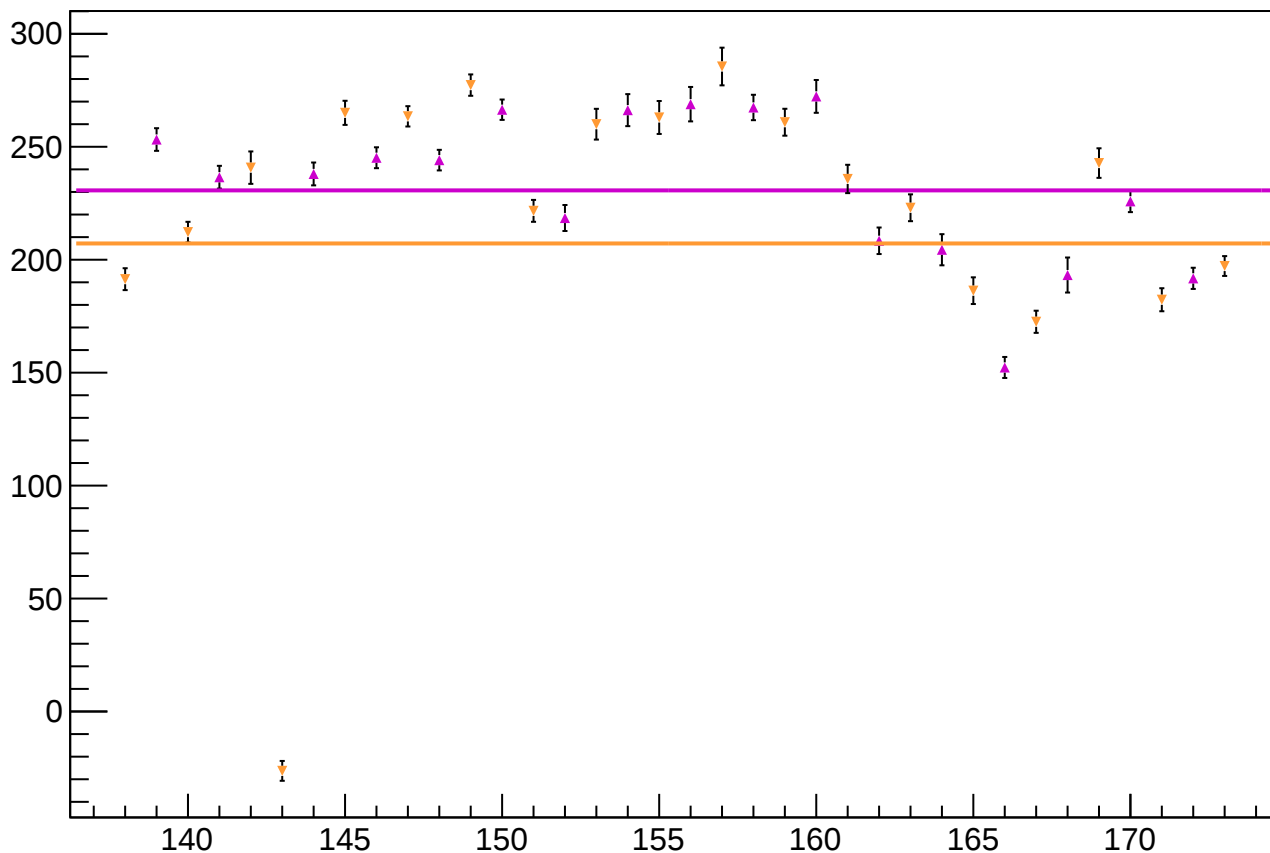
Right: -111.128+/-0.053 χ^2/NDF : 472040.3/34

In: -143.532+/-0.046 χ^2/NDF : 405193.3/33

Out: -131.972+/-0.043 χ^2/NDF : 1001347.7/36

All: -137.426+/-0.032 χ^2/NDF : 1440030.1/70

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 207.198 $\pm$ 1.237 χ^2/NDF :3795.1/18

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

Left In: 230.697 $\pm$ 1.310 χ^2/NDF :641.6/16

Left: 218.267 $\pm$ 0.899 χ^2/NDF : 4606.8/35

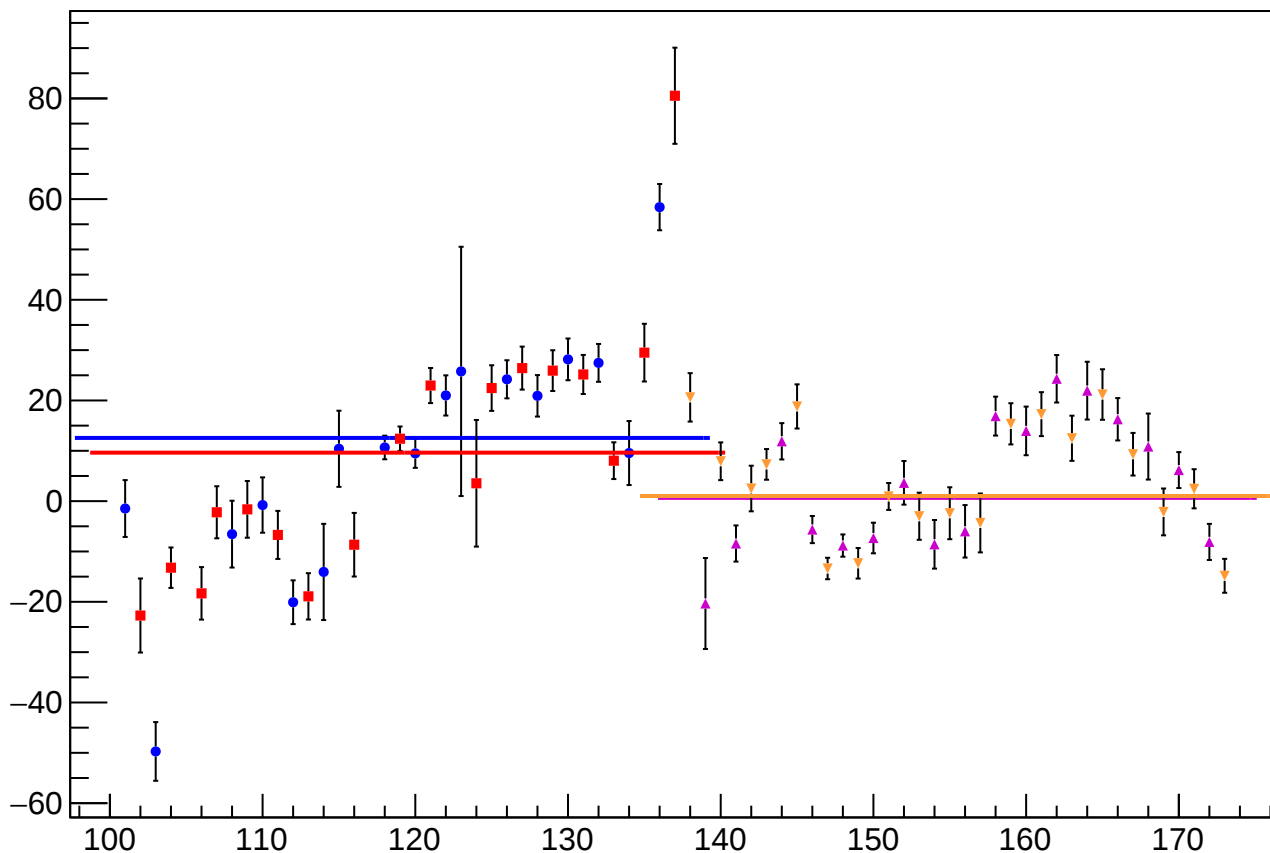
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 230.697 $\pm$ 1.310 χ^2/NDF :641.6/16

Out: 207.198 $\pm$ 1.237 χ^2/NDF :3795.1/18

All: 218.267 $\pm$ 0.899 χ^2/NDF : 4606.8/35

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.559+/-1.057 χ^2/NDF : 348.6/16

Left Out: 1.020+/-0.857 χ^2/NDF :183.3/18

Right Out: 9.631+/-1.049 χ^2/NDF : 287.5/17

Left In: 0.646+/-0.924 χ^2/NDF :146.7/16

Left: 0.847+/-0.628 χ^2/NDF : 330.0/35

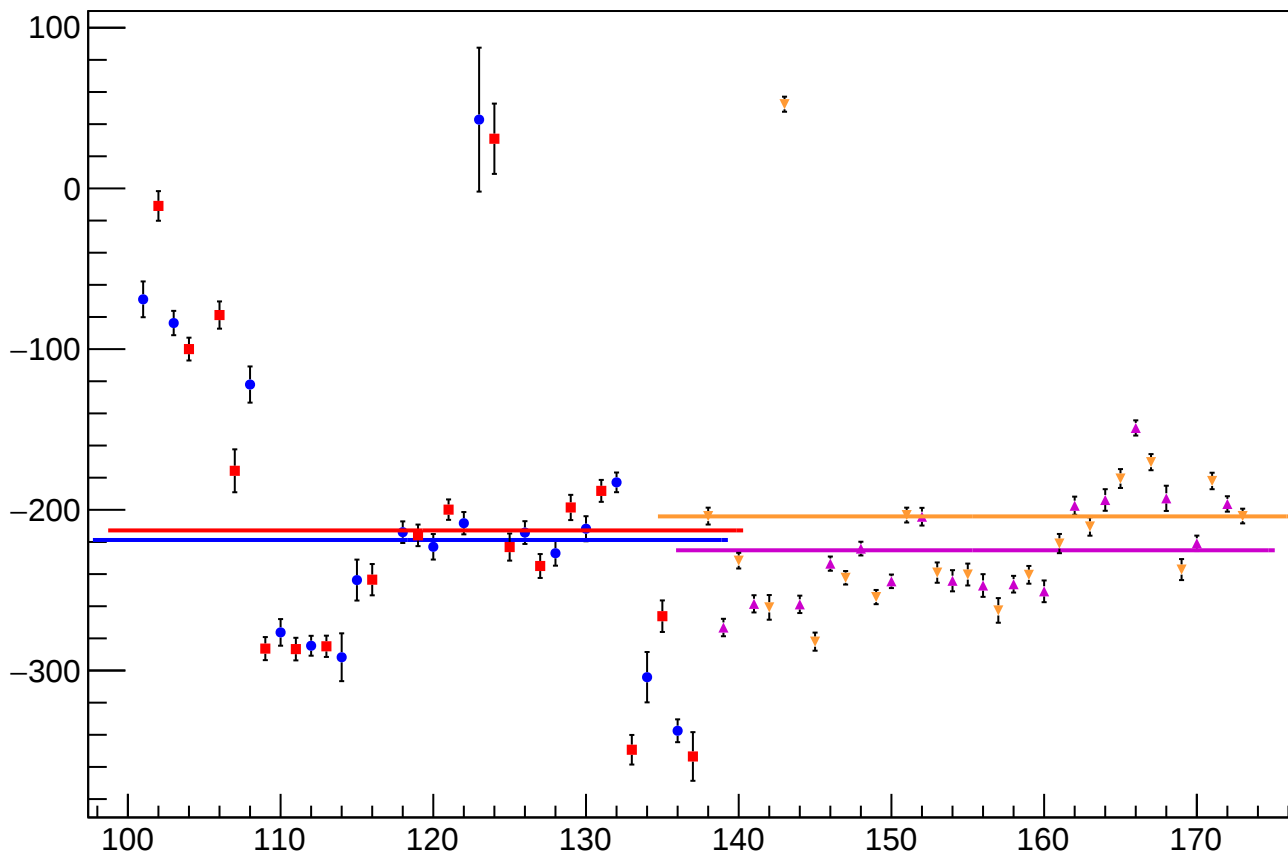
Right: 11.084+/-0.745 χ^2/NDF : 639.9/34

In: 5.804+/-0.696 χ^2/NDF :567.2/33

Out: 4.466+/-0.664 χ^2/NDF :511.2/36

All: 5.103+/-0.480 χ^2/NDF : 1080.3/70

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.770 ± 2.010 χ^2/NDF : 1144.4/16

Left Out: -204.095 ± 1.231 χ^2/NDF : 3757.5/18

Right Out: -212.817 ± 1.926 χ^2/NDF : 1824.5/17

Left In: -225.182 ± 1.289 χ^2/NDF : 601.7/16

Left: -214.152 ± 0.890 χ^2/NDF : 4499.2/35

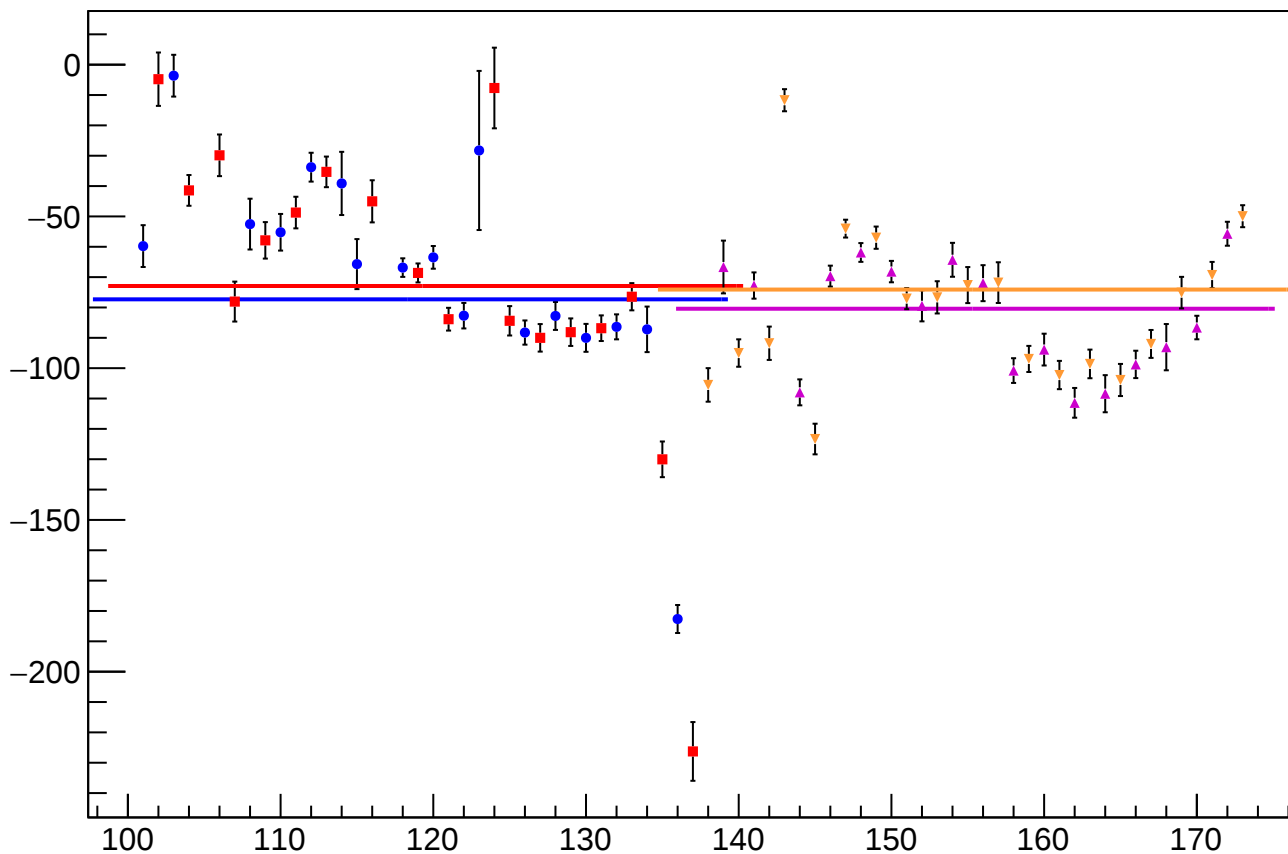
Right: -215.666 ± 1.391 χ^2/NDF : 2973.5/34

In: -223.313 ± 1.085 χ^2/NDF : 1753.4/33

Out: -206.624 ± 1.037 χ^2/NDF : 5596.6/36

All: -214.593 ± 0.750 χ^2/NDF : 7473.5/70

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.319 ± 1.222 χ^2/NDF : 817.7/16

Left Out: -74.097 ± 1.009 χ^2/NDF : 706.5/18

Right Out: -72.922 ± 1.208 χ^2/NDF : 660.8/17

Left In: -80.416 ± 1.084 χ^2/NDF : 268.9/16

Left: -77.030 ± 0.738 χ^2/NDF : 993.6/35

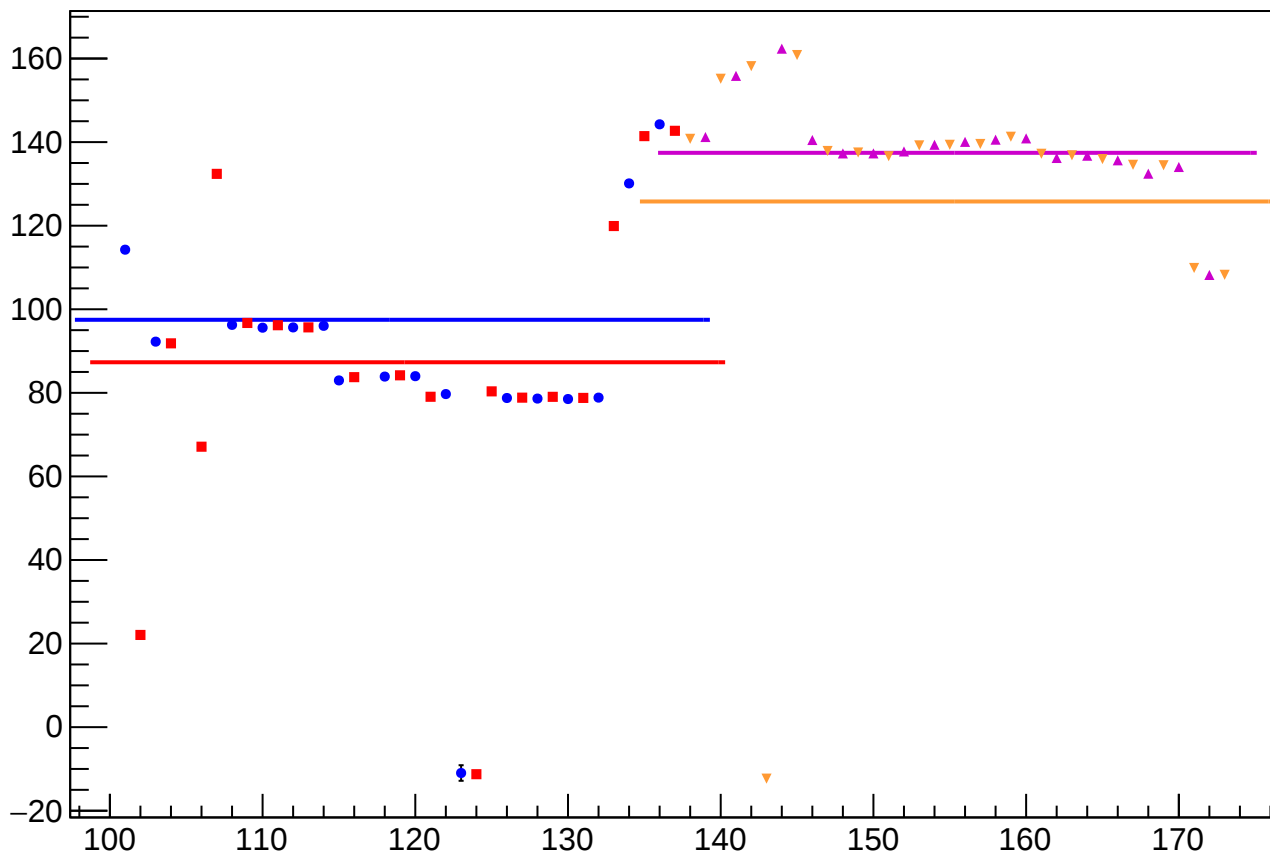
Right: -75.095 ± 0.859 χ^2/NDF : 1485.1/34

In: -79.052 ± 0.811 χ^2/NDF : 1090.2/33

Out: -73.614 ± 0.774 χ^2/NDF : 1367.9/36

All: -76.208 ± 0.560 χ^2/NDF : 2481.6/70

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.483+/-0.073 χ^2/NDF : 94392.9/16

Left Out: 125.794+/-0.049 χ^2/NDF : 653578.5/18

Right Out: 87.318+/-0.068 χ^2/NDF : 221863.6/17

Left In: 137.436+/-0.051 χ^2/NDF : 49738.7/16

Left: 131.352+/-0.035 χ^2/NDF : 730747.4/35

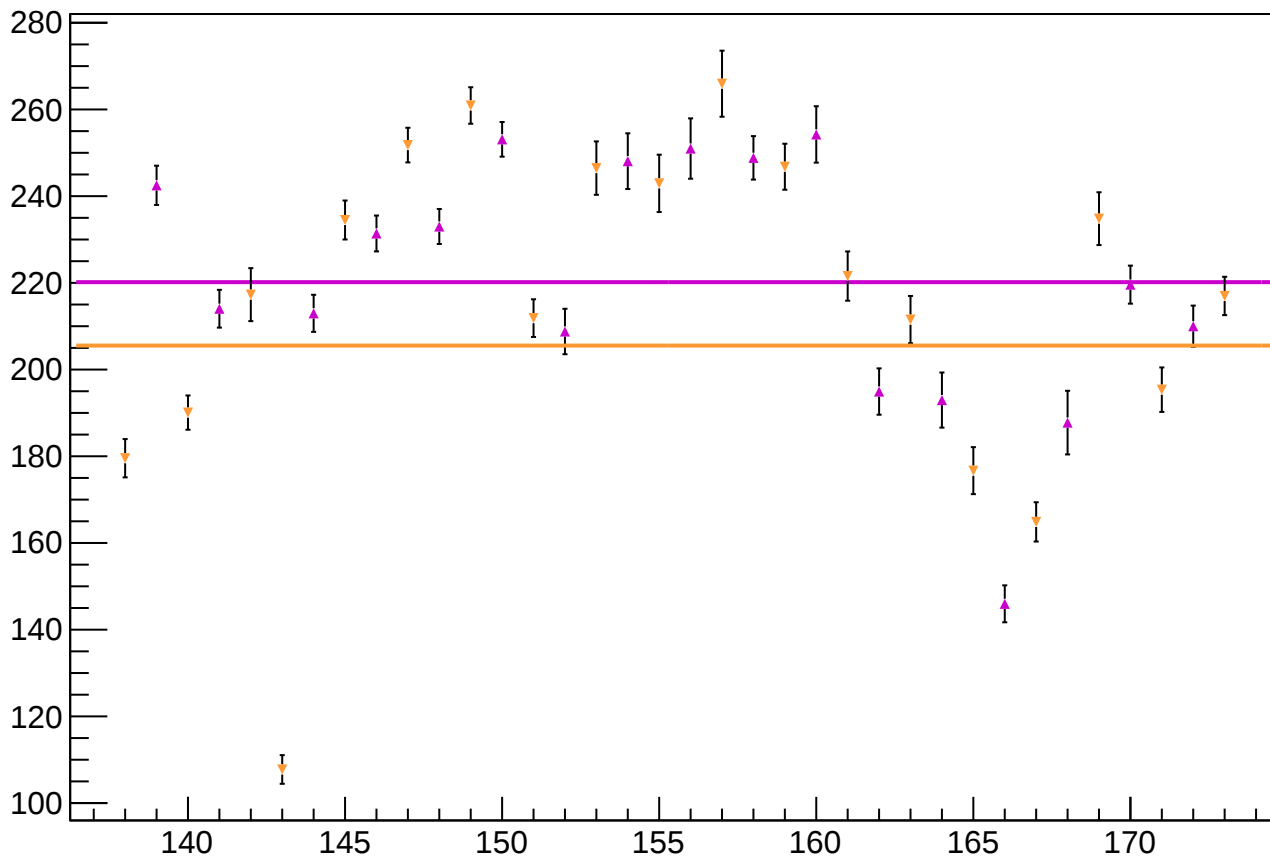
Right: 92.040+/-0.050 χ^2/NDF : 326534.9/34

In: 124.483+/-0.042 χ^2/NDF : 344544.0/33

Out: 112.880+/-0.040 χ^2/NDF : 1086026.2/36

All: 118.370+/-0.029 χ^2/NDF : 1471206.2/70

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: 205.533+/-1.104 χ^2/NDF :1630.2/18

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

Left In: 220.162+/-1.185 χ^2/NDF :585.4/16

Left: 212.334+/-0.808 χ^2/NDF : 2297.2/35

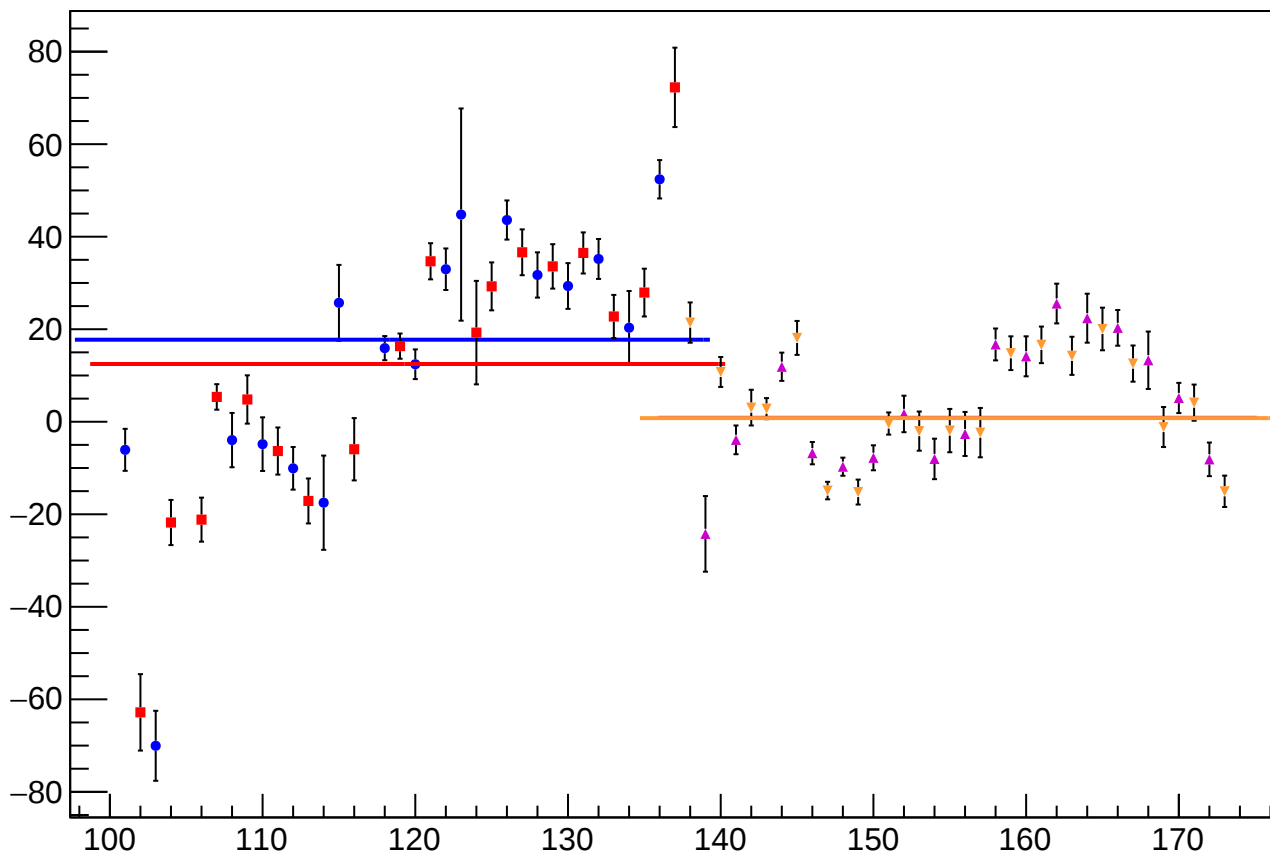
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 220.162+/-1.185 χ^2/NDF :585.4/16

Out: 205.533+/-1.104 χ^2/NDF :1630.2/18

All: 212.334+/-0.808 χ^2/NDF : 2297.2/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 0.815 $\pm$ 0.561 χ^2/NDF : 447.7/35

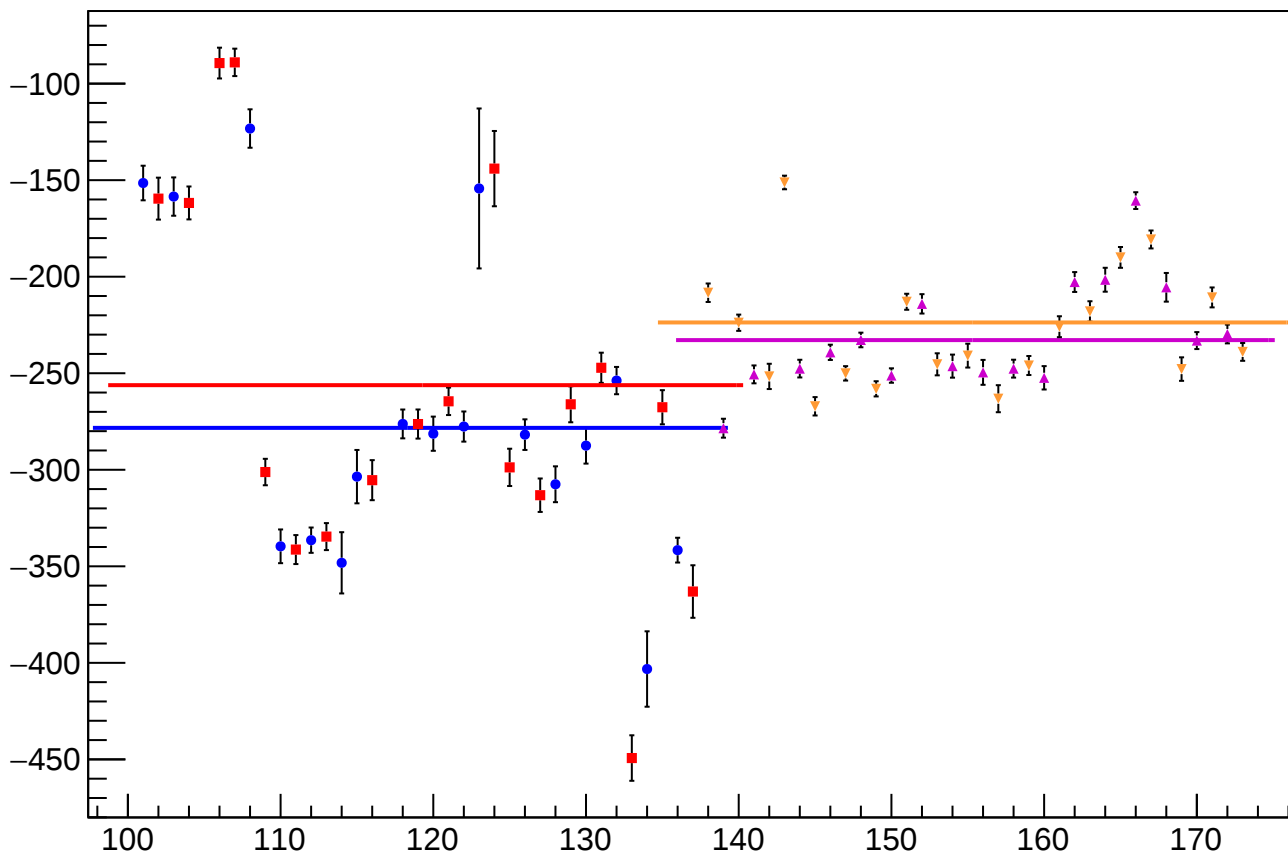
Right: 14.961 $\pm$ 0.789 χ^2/NDF : 834.2/34

In: 6.655 $\pm$ 0.673 χ^2/NDF : 732.3/33

Out: 4.643 $\pm$ 0.623 χ^2/NDF : 758.3/36

All: 5.571 $\pm$ 0.457 χ^2/NDF : 1495.5/70

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.294+/-2.172 χ^2/NDF : 910.0/16

Left Out: -223.696+/-1.102 χ^2/NDF : 901.2/18

Right Out: -256.177+/-2.025 χ^2/NDF : 1952.2/17

Left In: -232.838+/-1.166 χ^2/NDF : 535.4/16

Left: -228.010+/-0.801 χ^2/NDF : 1469.2/35

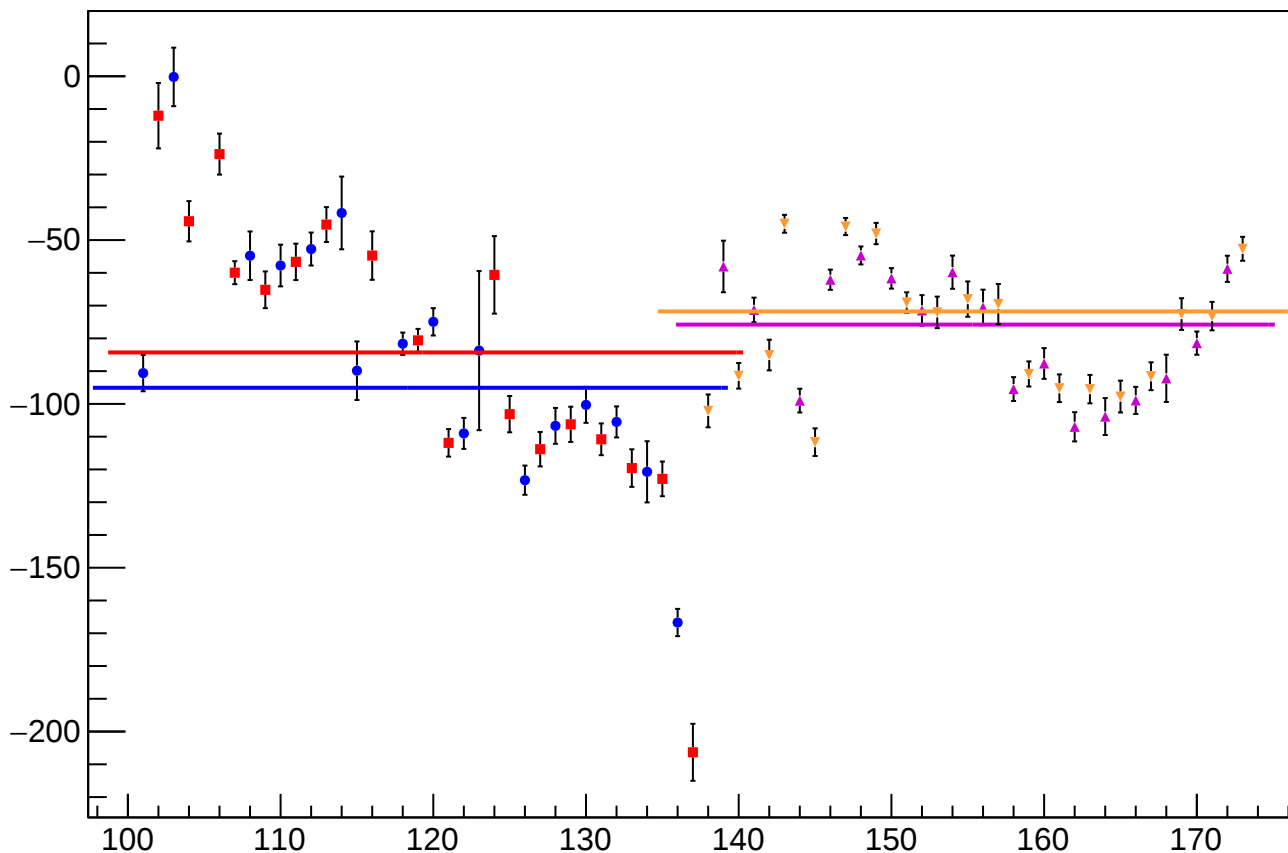
Right: -266.460+/-1.481 χ^2/NDF : 2917.6/34

In: -243.001+/-1.027 χ^2/NDF : 1785.4/33

Out: -231.116+/-0.968 χ^2/NDF : 3052.0/36

All: -236.705+/-0.704 χ^2/NDF : 4908.3/70

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.074 ± 1.325 χ^2/NDF : 673.2/16

Left Out: -71.782 ± 0.900 χ^2/NDF : 571.9/18

Right Out: -84.290 ± 1.258 χ^2/NDF : 768.8/17

Left In: -75.798 ± 0.978 χ^2/NDF : 325.3/16

Left: -73.623 ± 0.662 χ^2/NDF : 906.3/35

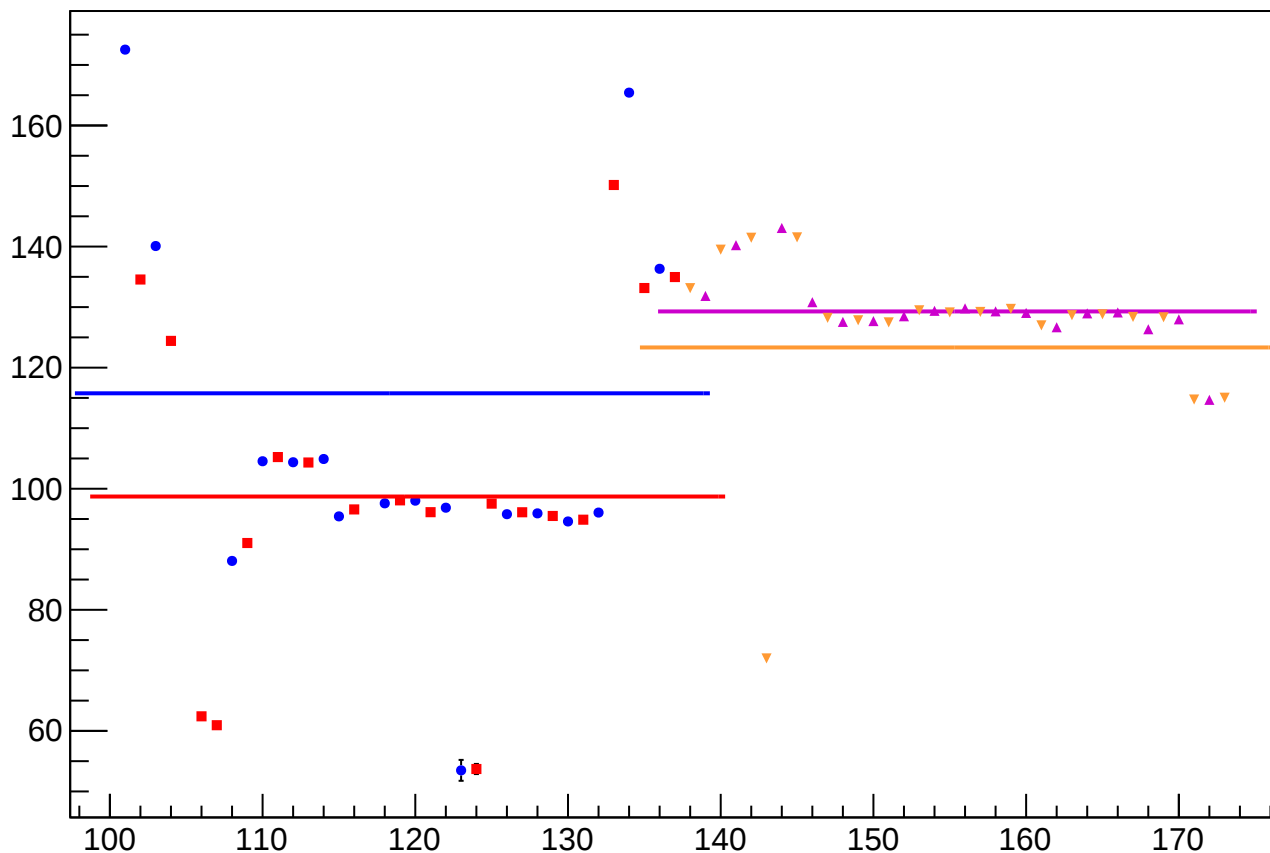
Right: -89.402 ± 0.913 χ^2/NDF : 1476.8/34

In: -82.591 ± 0.787 χ^2/NDF : 1135.4/33

Out: -76.013 ± 0.732 χ^2/NDF : 1406.1/36

All: -79.064 ± 0.536 χ^2/NDF : 2579.0/70

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.763 $\pm$ 0.078 χ^2 /NDF: 106297.4/16

Left Out: 123.336 $\pm$ 0.044 χ^2 /NDF:168652.4/18

Right Out: 98.713 $\pm$ 0.069 χ^2 /NDF: 170183.8/17

Left In: 129.286 $\pm$ 0.046 χ^2 /NDF:16154.8/16

Left: 126.152 $\pm$ 0.032 χ^2 /NDF: 193585.4/35

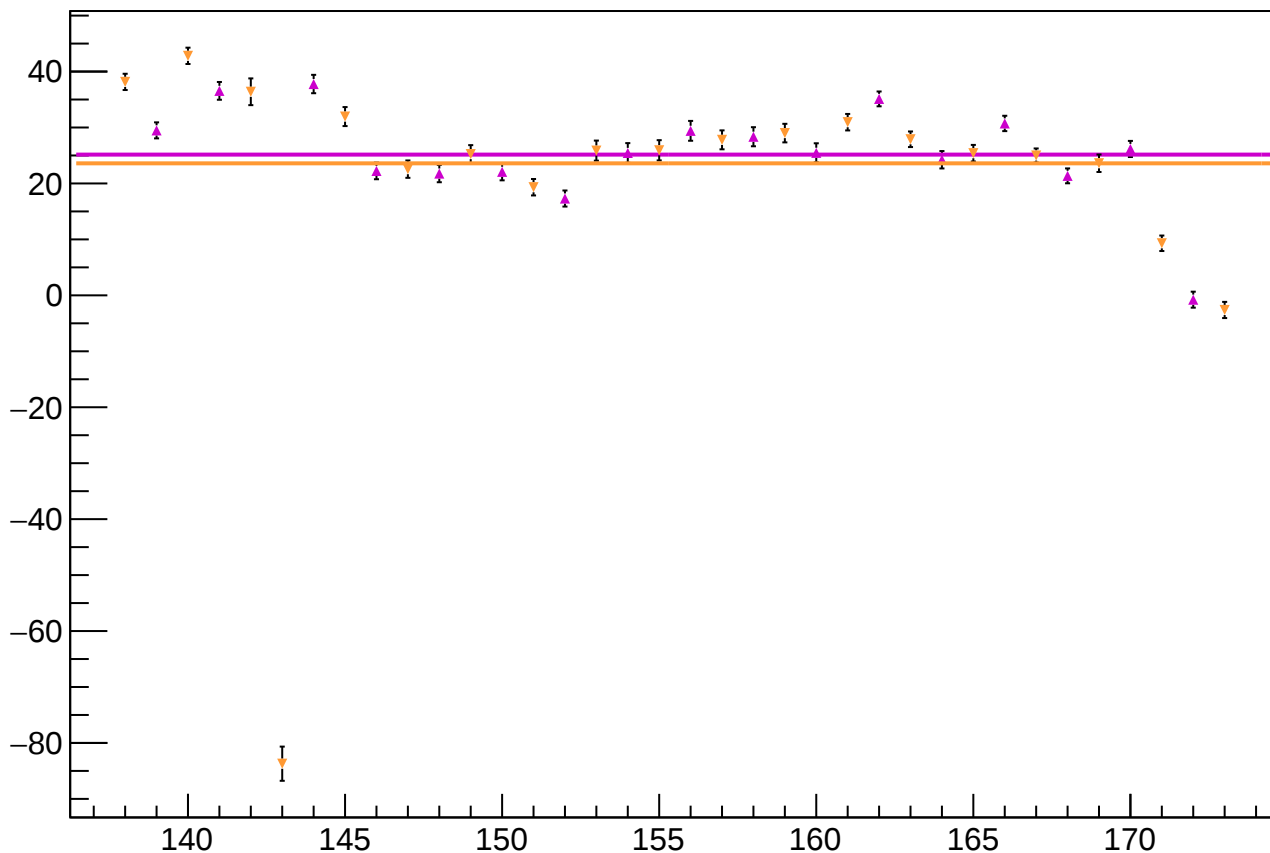
Right: 106.153 $\pm$ 0.052 χ^2 /NDF: 303349.7/34

In: 125.792 $\pm$ 0.040 χ^2 /NDF:144695.7/33

Out: 116.249 $\pm$ 0.037 χ^2 /NDF:430295.9/36

All: 120.668 $\pm$ 0.027 χ^2 /NDF: 606025.0/70

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: 23.594+/-0.362 χ^2/NDF :2062.4/18

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

Left In: 25.155+/-0.367 χ^2/NDF :582.5/16

Left: 24.363+/-0.258 χ^2/NDF : 2654.2/35

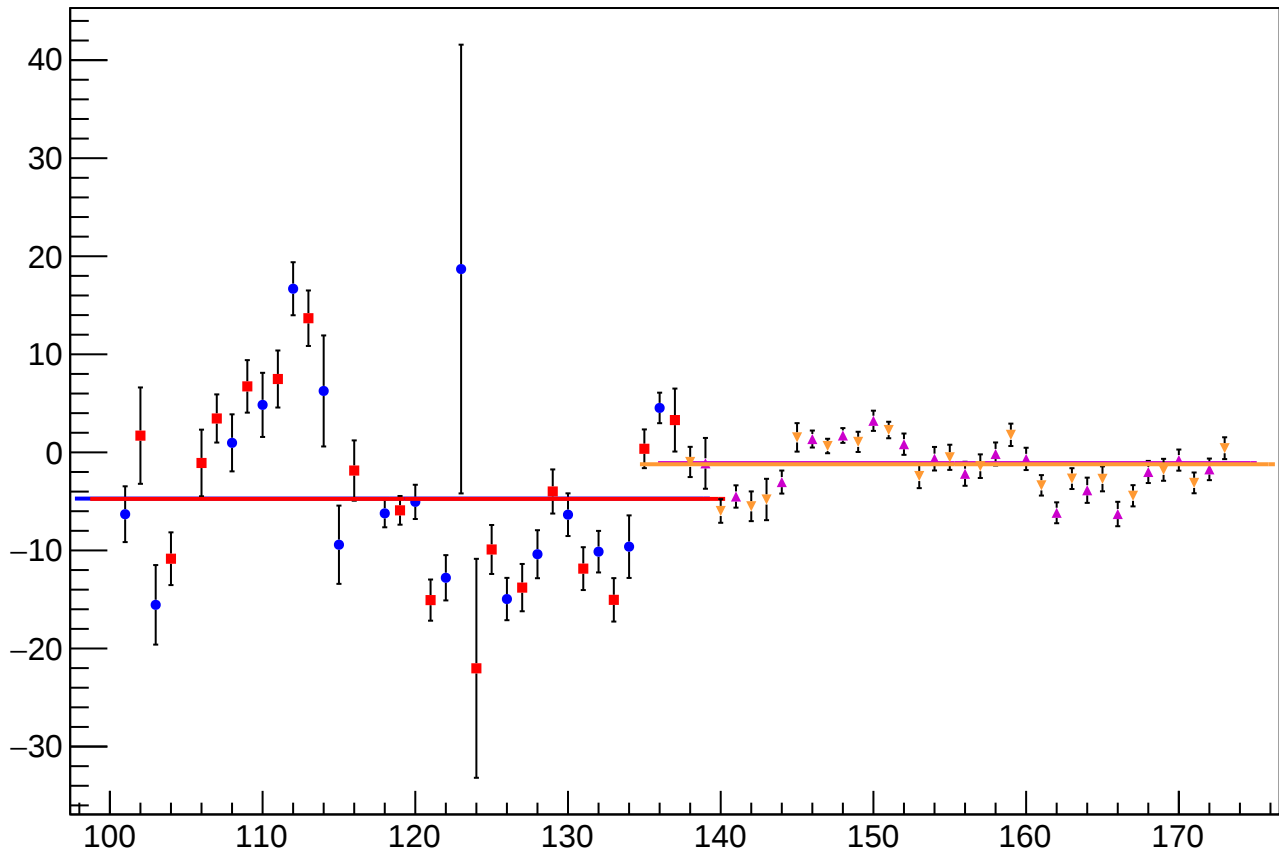
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.155+/-0.367 χ^2/NDF :582.5/16

Out: 23.594+/-0.362 χ^2/NDF :2062.4/18

All: 24.363+/-0.258 χ^2/NDF : 2654.2/35

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.713 ± 0.581 $\chi^2/\text{NDF}: 174.7/16$

Left Out: -1.211 ± 0.259 $\chi^2/\text{NDF}: 88.8/18$

Right Out: -4.745 ± 0.585 $\chi^2/\text{NDF}: 189.3/17$

Left In: -1.092 ± 0.267 $\chi^2/\text{NDF}: 101.7/16$

Left: -1.154 ± 0.186 $\chi^2/\text{NDF}: 190.6/35$

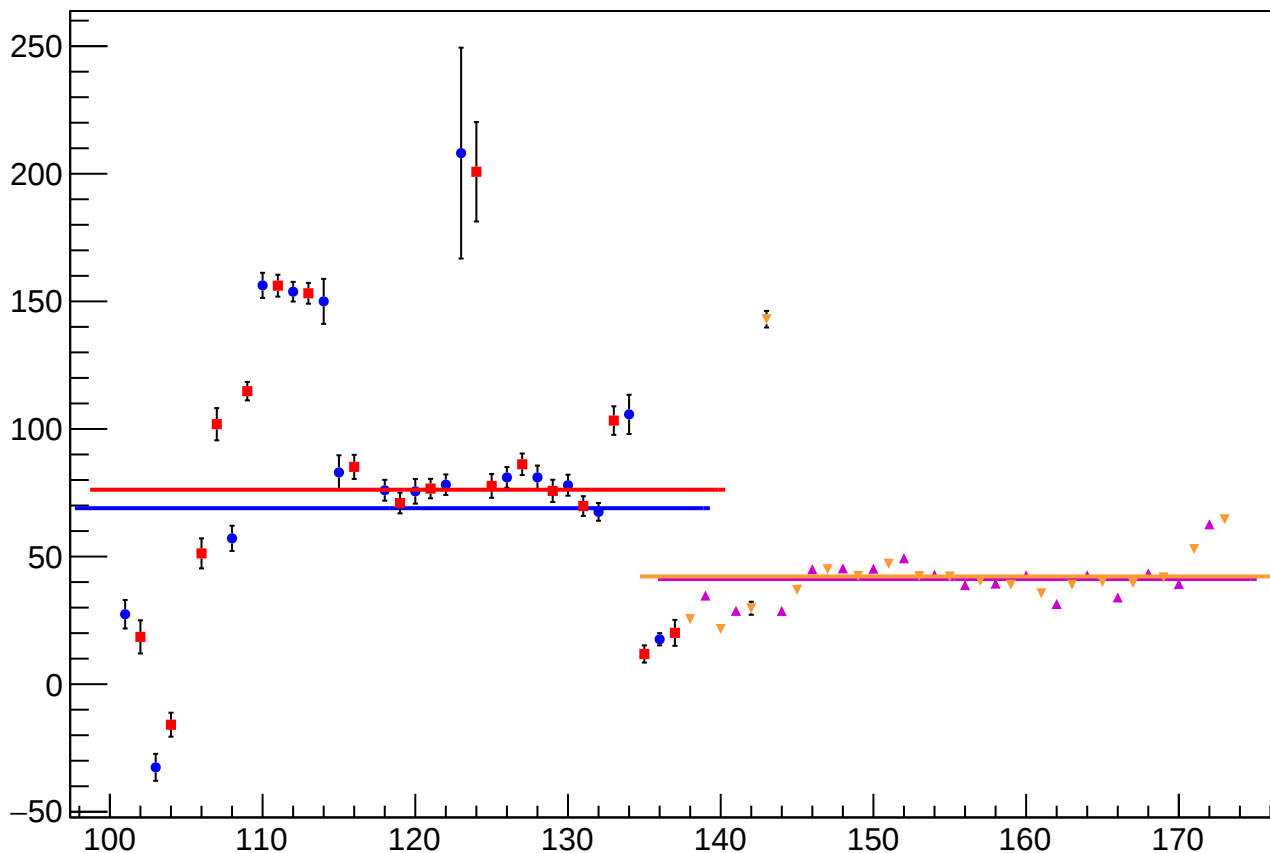
Right: -4.729 ± 0.412 $\chi^2/\text{NDF}: 364.0/34$

In: -1.726 ± 0.243 $\chi^2/\text{NDF}: 308.5/33$

Out: -1.789 ± 0.237 $\chi^2/\text{NDF}: 308.6/36$

All: -1.758 ± 0.170 $\chi^2/\text{NDF}: 617.1/70$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 68.960 ± 1.079 $\chi^2/\text{NDF}: 1844.0/16$

Left Out: 42.217 ± 0.357 $\chi^2/\text{NDF}: 1613.8/18$

Right Out: 76.199 ± 1.071 $\chi^2/\text{NDF}: 1881.0/17$

Left In: 41.191 ± 0.361 $\chi^2/\text{NDF}: 493.0/16$

Left: 41.709 ± 0.254 $\chi^2/\text{NDF}: 2110.9/35$

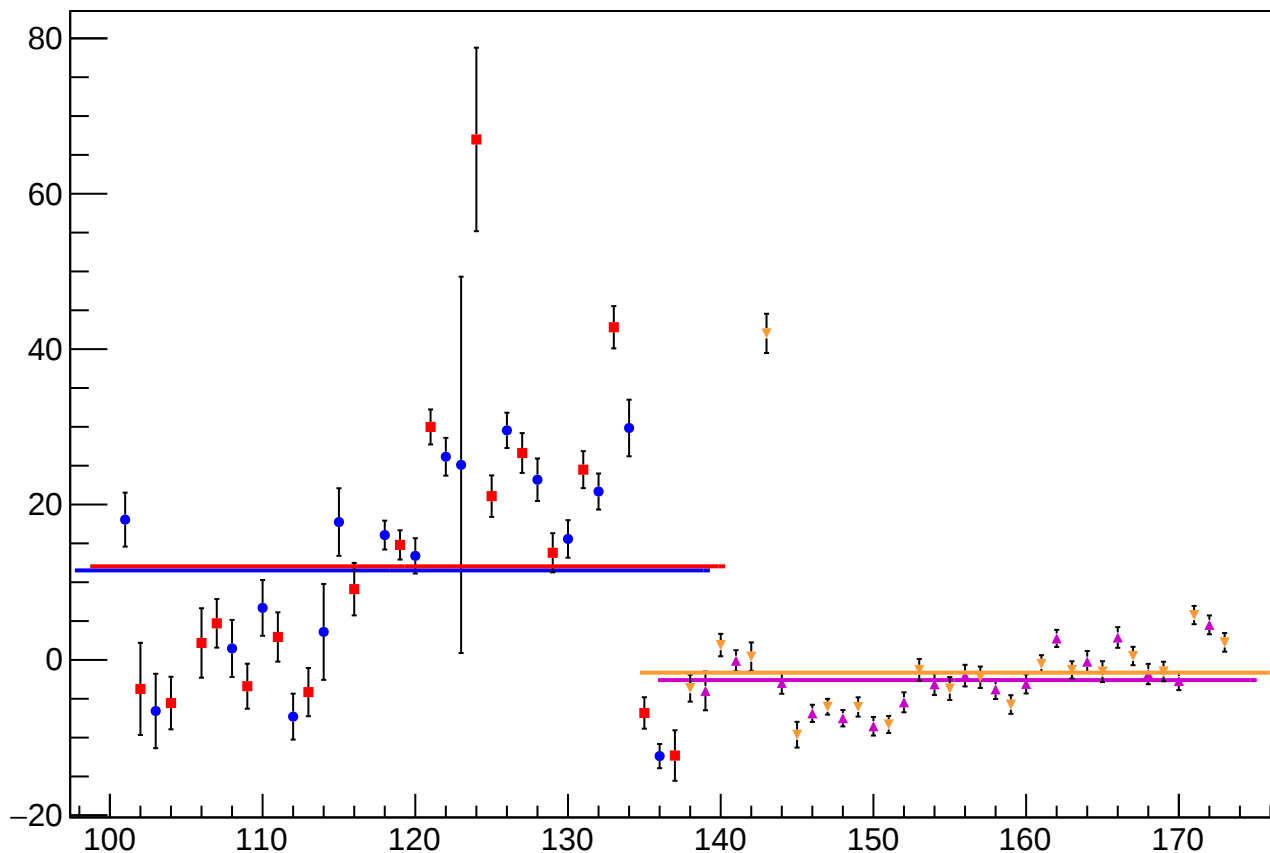
Right: 72.606 ± 0.760 $\chi^2/\text{NDF}: 3747.6/34$

In: 43.981 ± 0.342 $\chi^2/\text{NDF}: 2932.8/33$

Out: 45.615 ± 0.339 $\chi^2/\text{NDF}: 4400.9/36$

All: 44.806 ± 0.241 $\chi^2/\text{NDF}: 7345.3/70$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.521 ± 0.660 $\chi^2/\text{NDF}: 477.2/16$

Left Out: -1.640 ± 0.299 $\chi^2/\text{NDF}: 468.0/18$

Right Out: 12.046 ± 0.665 $\chi^2/\text{NDF}: 538.7/17$

Left In: -2.596 ± 0.309 $\chi^2/\text{NDF}: 149.7/16$

Left: -2.102 ± 0.215 $\chi^2/\text{NDF}: 622.6/35$

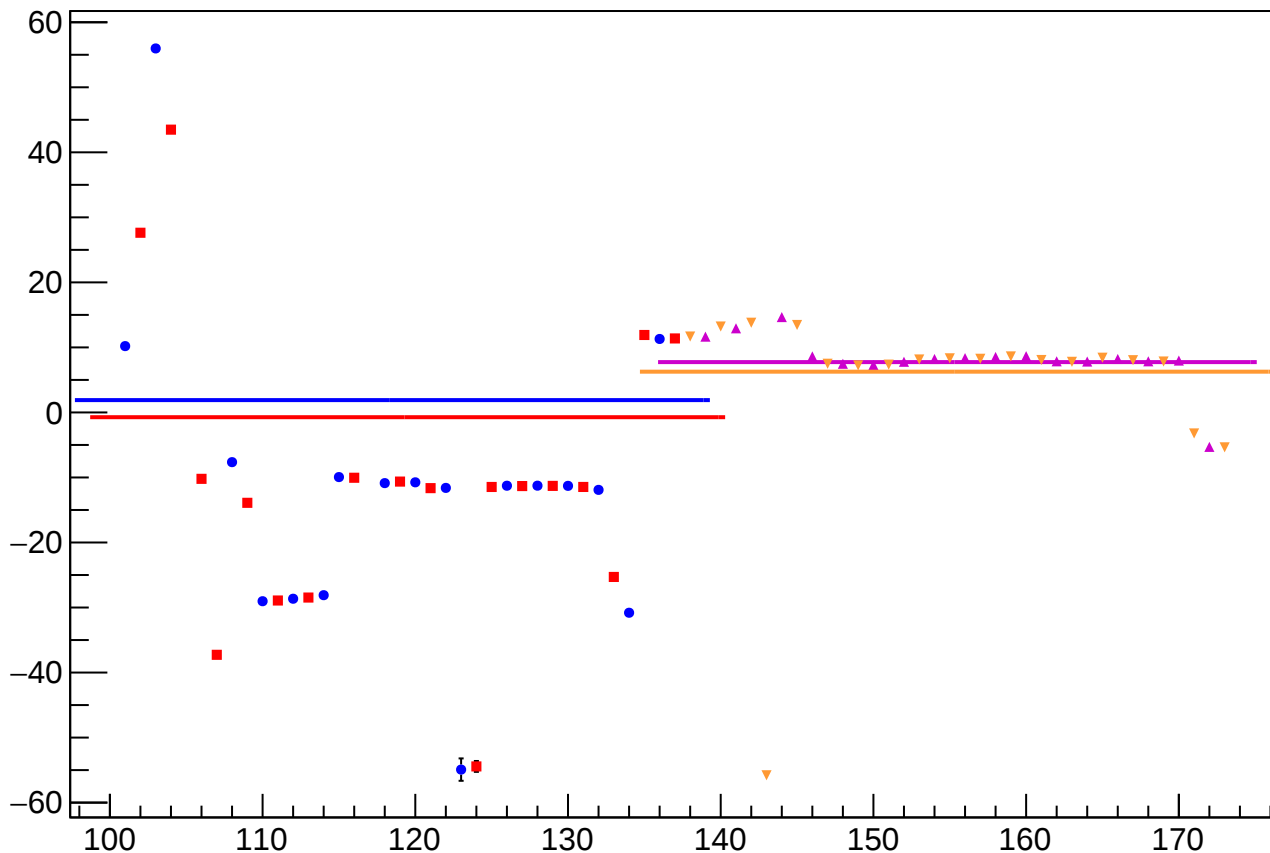
Right: 11.782 ± 0.468 $\chi^2/\text{NDF}: 1016.2/34$

In: -0.059 ± 0.280 $\chi^2/\text{NDF}: 1002.4/33$

Out: 0.660 ± 0.272 $\chi^2/\text{NDF}: 1359.6/36$

All: 0.310 ± 0.195 $\chi^2/\text{NDF}: 2365.3/70$

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.896 ± 0.037 χ^2/NDF : 358855.7/16

Left Out: 6.268 ± 0.014 χ^2/NDF : 352949.0/18

Right Out: -0.733 ± 0.037 χ^2/NDF : 359934.4/17

Left In: 7.740 ± 0.014 χ^2/NDF : 83250.6/16

Left: 6.994 ± 0.010 χ^2/NDF : 441792.8/35

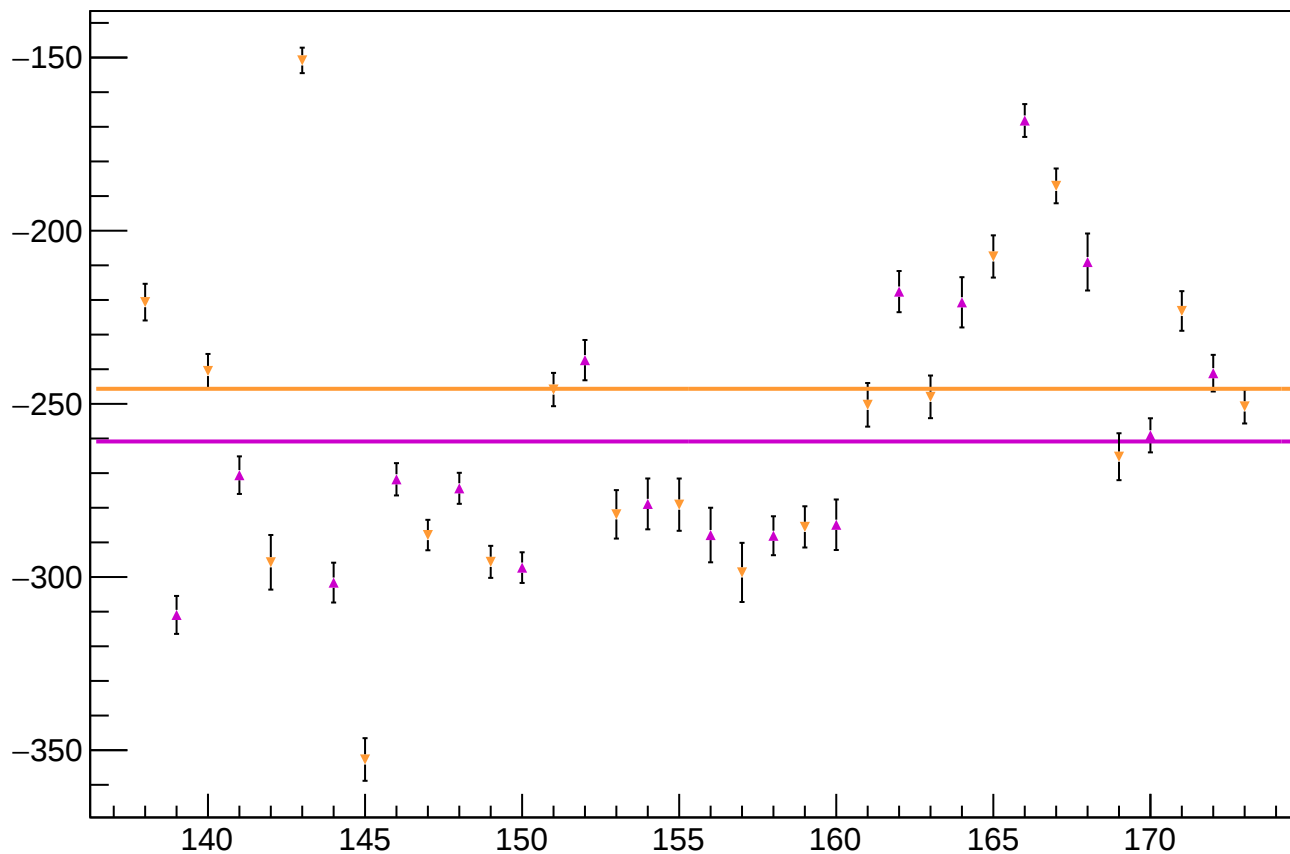
Right: 0.584 ± 0.026 χ^2/NDF : 721303.3/34

In: 7.008 ± 0.013 χ^2/NDF : 463878.1/33

Out: 5.416 ± 0.013 χ^2/NDF : 744135.5/36

All: 6.202 ± 0.009 χ^2/NDF : 1215481.8/70

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: -245.647+/-1.263 χ^2/NDF :1571.5/18

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

Left In: -260.860+/-1.358 χ^2/NDF :806.8/16

Left: -252.704+/-0.925 χ^2/NDF : 2445.6/35

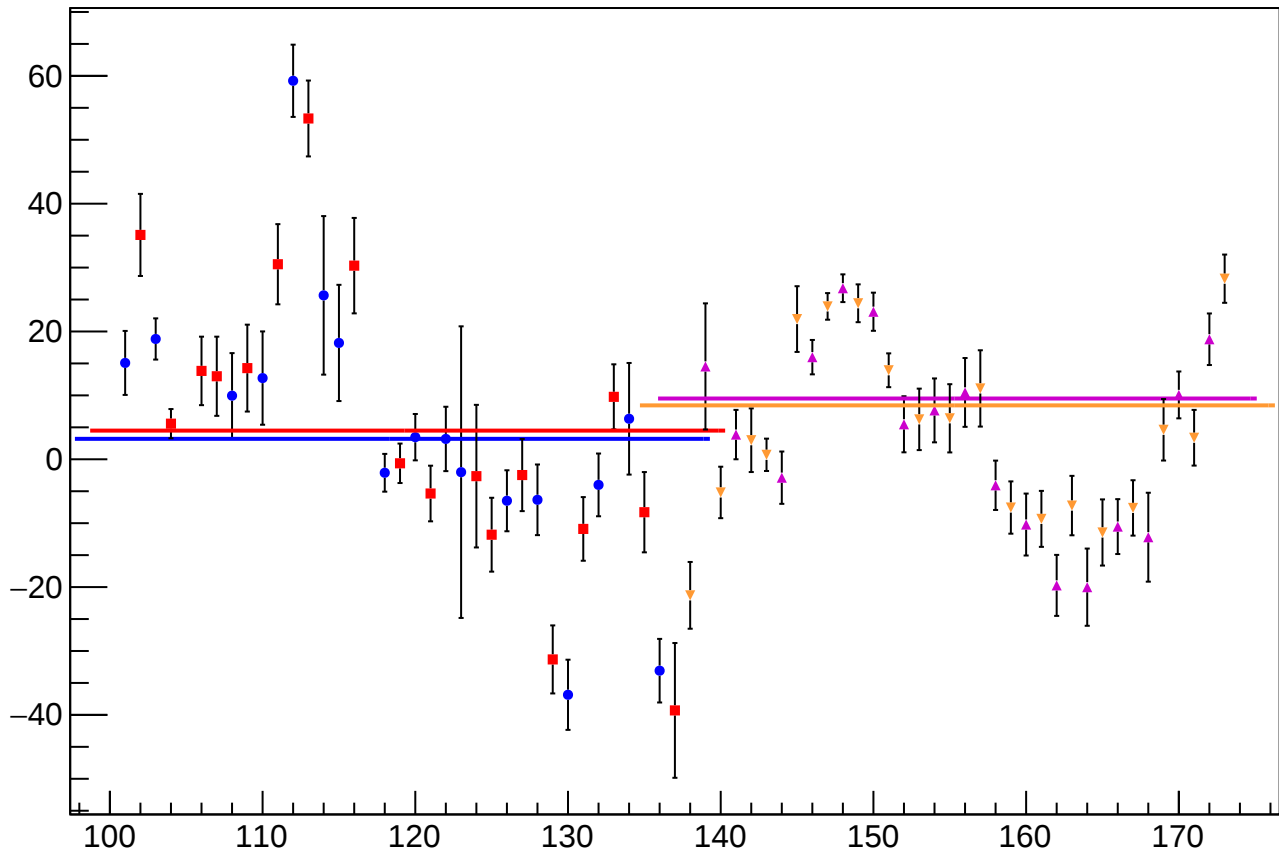
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -260.860+/-1.358 χ^2/NDF :806.8/16

Out: -245.647+/-1.263 χ^2/NDF :1571.5/18

All: -252.704+/-0.925 χ^2/NDF : 2445.6/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.200 ± 1.227 $\chi^2/\text{NDF}: 255.2/16$

Left Out: 8.436 ± 0.863 $\chi^2/\text{NDF}: 251.7/18$

Right Out: 4.489 ± 1.159 $\chi^2/\text{NDF}: 221.8/17$

Left In: 9.509 ± 0.946 $\chi^2/\text{NDF}: 229.4/16$

Left: 8.924 ± 0.638 $\chi^2/\text{NDF}: 481.8/35$

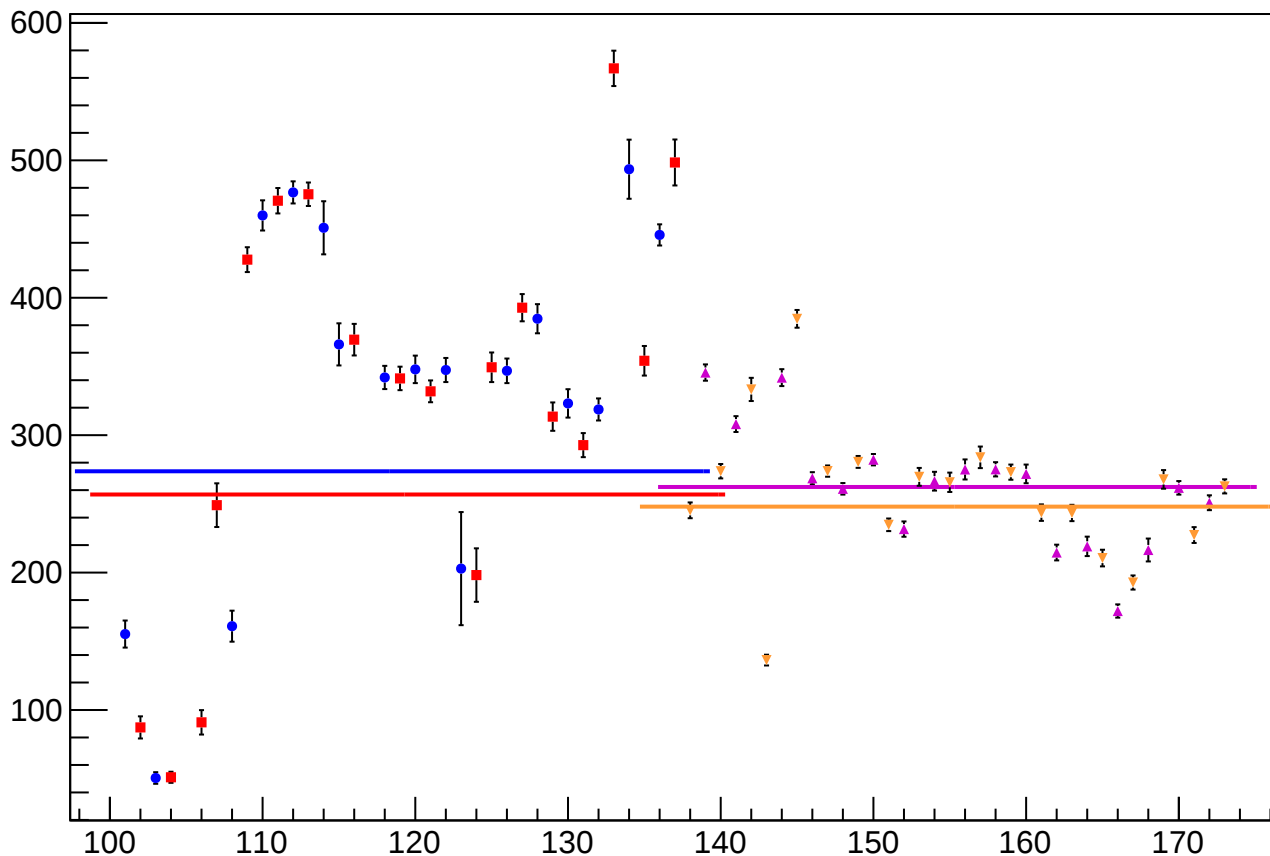
Right: 3.881 ± 0.843 $\chi^2/\text{NDF}: 477.5/34$

In: 7.158 ± 0.749 $\chi^2/\text{NDF}: 501.2/33$

Out: 7.027 ± 0.692 $\chi^2/\text{NDF}: 480.9/36$

All: 7.087 ± 0.508 $\chi^2/\text{NDF}: 982.1/70$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.717 $\pm$ 2.195 χ^2 /NDF: 5103.3/16

Left Out: 247.995 $\pm$ 1.255 χ^2 /NDF:1733.9/18

Right Out: 256.826 $\pm$ 2.084 χ^2 /NDF: 6411.8/17

Left In: 262.302 $\pm$ 1.331 χ^2 /NDF:984.8/16

Left: 254.732 $\pm$ 0.913 χ^2 /NDF: 2779.9/35

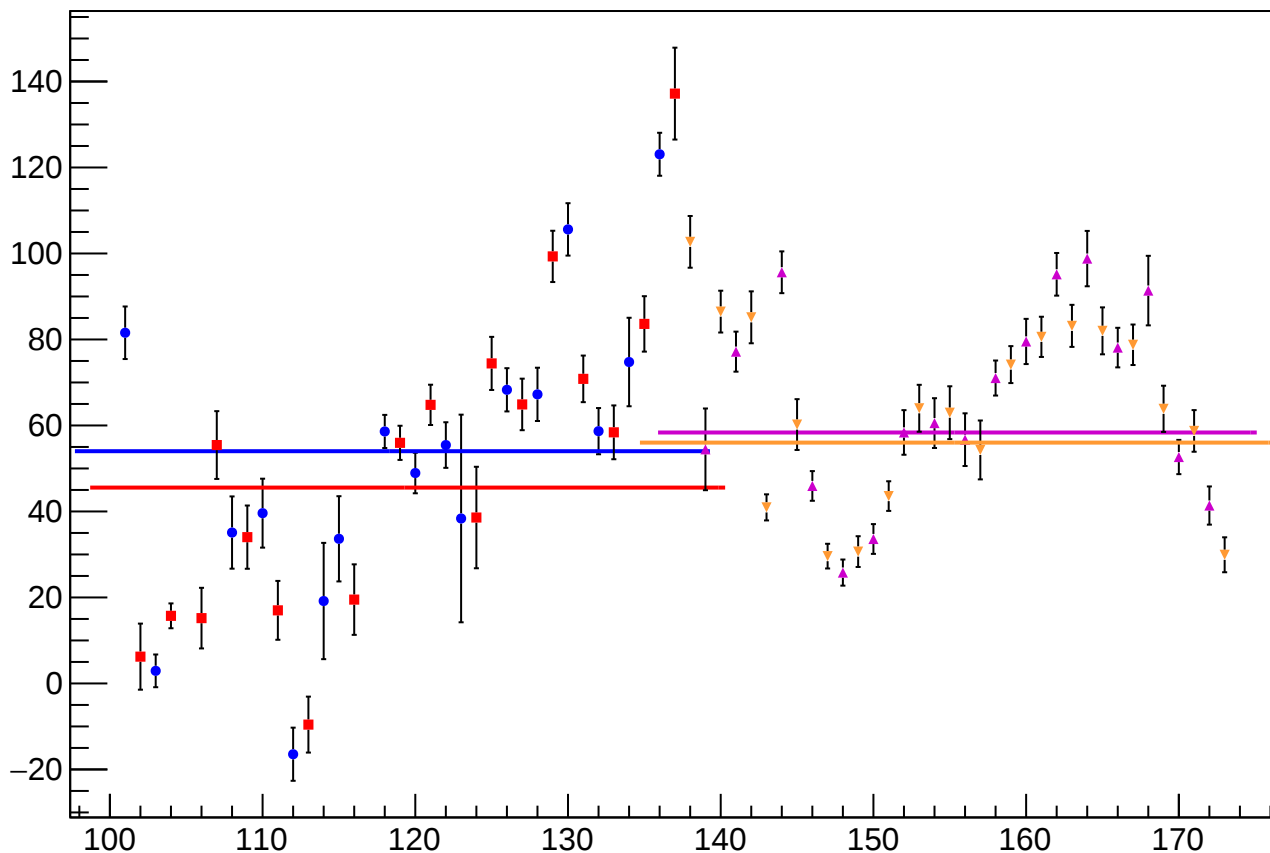
Right: 264.834 $\pm$ 1.511 χ^2 /NDF: 11546.2/34

In: 265.371 $\pm$ 1.138 χ^2 /NDF:6107.9/33

Out: 250.347 $\pm$ 1.075 χ^2 /NDF:8158.9/36

All: 257.435 $\pm$ 0.782 χ^2 /NDF: 14358.8/70

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.016 $\pm$ 1.423 χ^2 /NDF: 632.9/16

Left Out: 56.013 $\pm$ 1.022 χ^2 /NDF:465.2/18

Right Out: 45.552 $\pm$ 1.358 χ^2 /NDF: 526.6/17

Left In: 58.364 $\pm$ 1.114 χ^2 /NDF:426.9/16

Left: 57.087 $\pm$ 0.753 χ^2 /NDF: 894.5/35

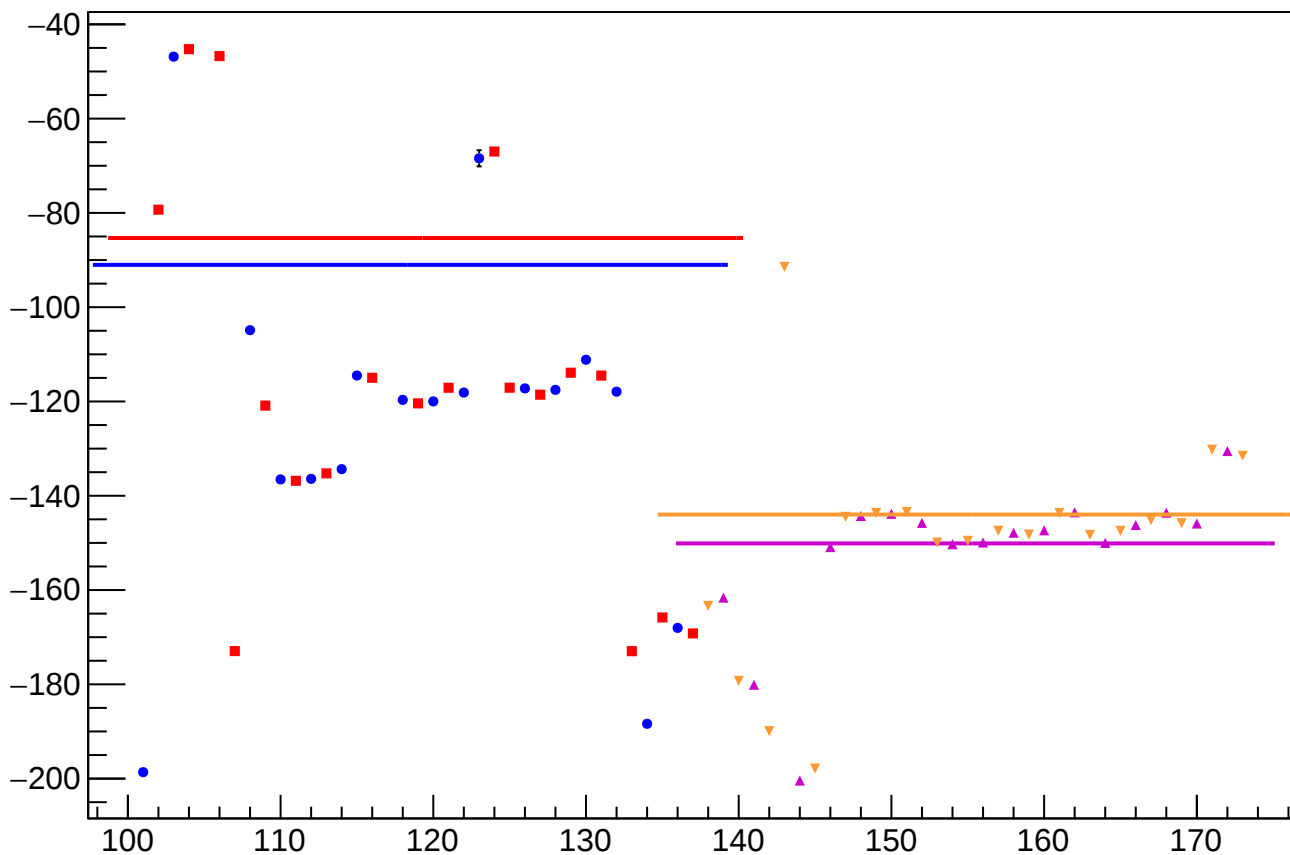
Right: 49.587 $\pm$ 0.983 χ^2 /NDF: 1178.0/34

In: 56.713 $\pm$ 0.877 χ^2 /NDF:1065.5/33

Out: 52.233 $\pm$ 0.817 χ^2 /NDF:1029.7/36

All: 54.313 $\pm$ 0.598 χ^2 /NDF: 2109.2/70

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.021+/-0.068 χ^2/NDF : 534258.1/16

Left Out: -143.983+/-0.050 χ^2/NDF : 216134.9/18

Right Out: -85.325+/-0.065 χ^2/NDF : 483106.3/17

Left In: -150.111+/-0.053 χ^2/NDF : 69852.5/16

Left: -146.879+/-0.036 χ^2/NDF : 293146.7/35

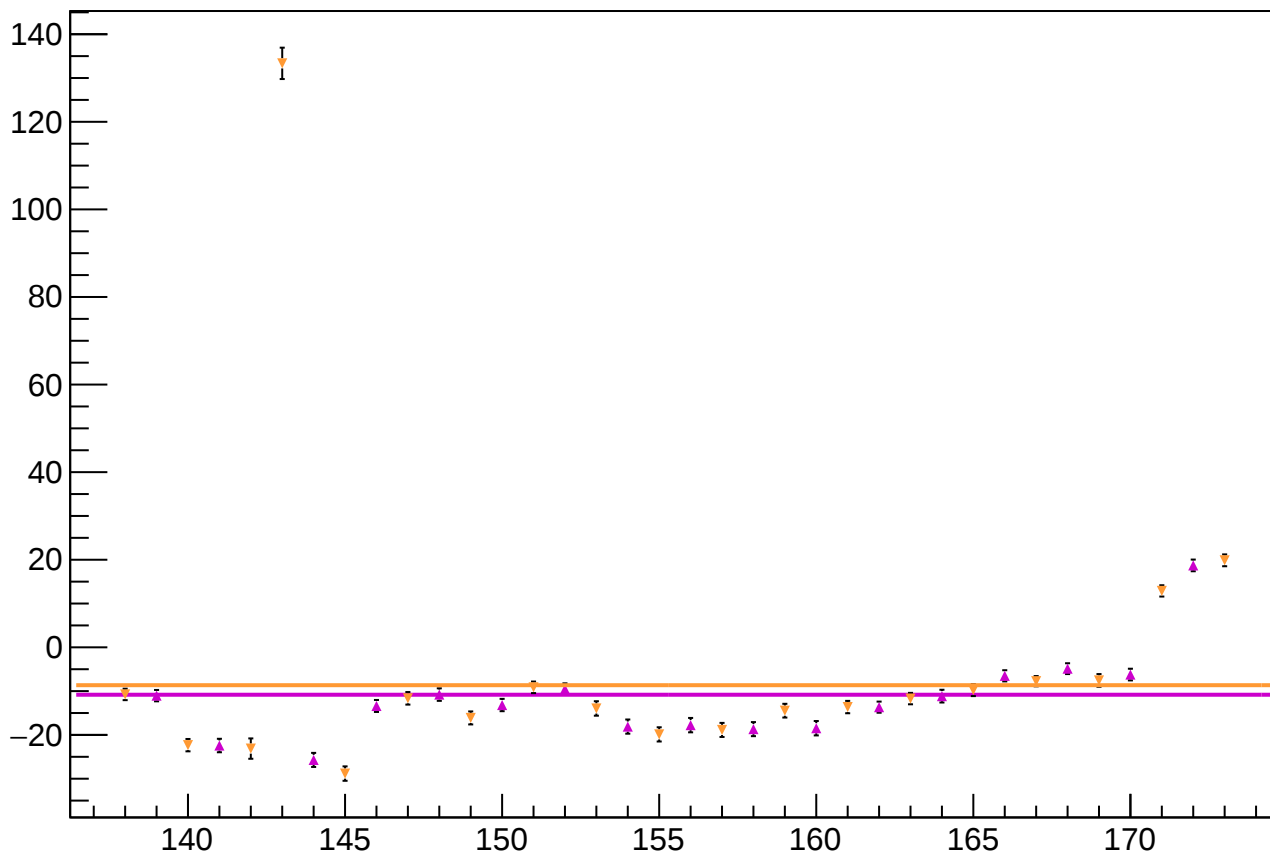
Right: -88.069+/-0.047 χ^2/NDF : 1021045.4/34

In: -127.821+/-0.042 χ^2/NDF : 1080208.3/33

Out: -122.363+/-0.040 χ^2/NDF : 1210898.4/36

All: -124.961+/-0.029 χ^2/NDF : 2300167.5/70

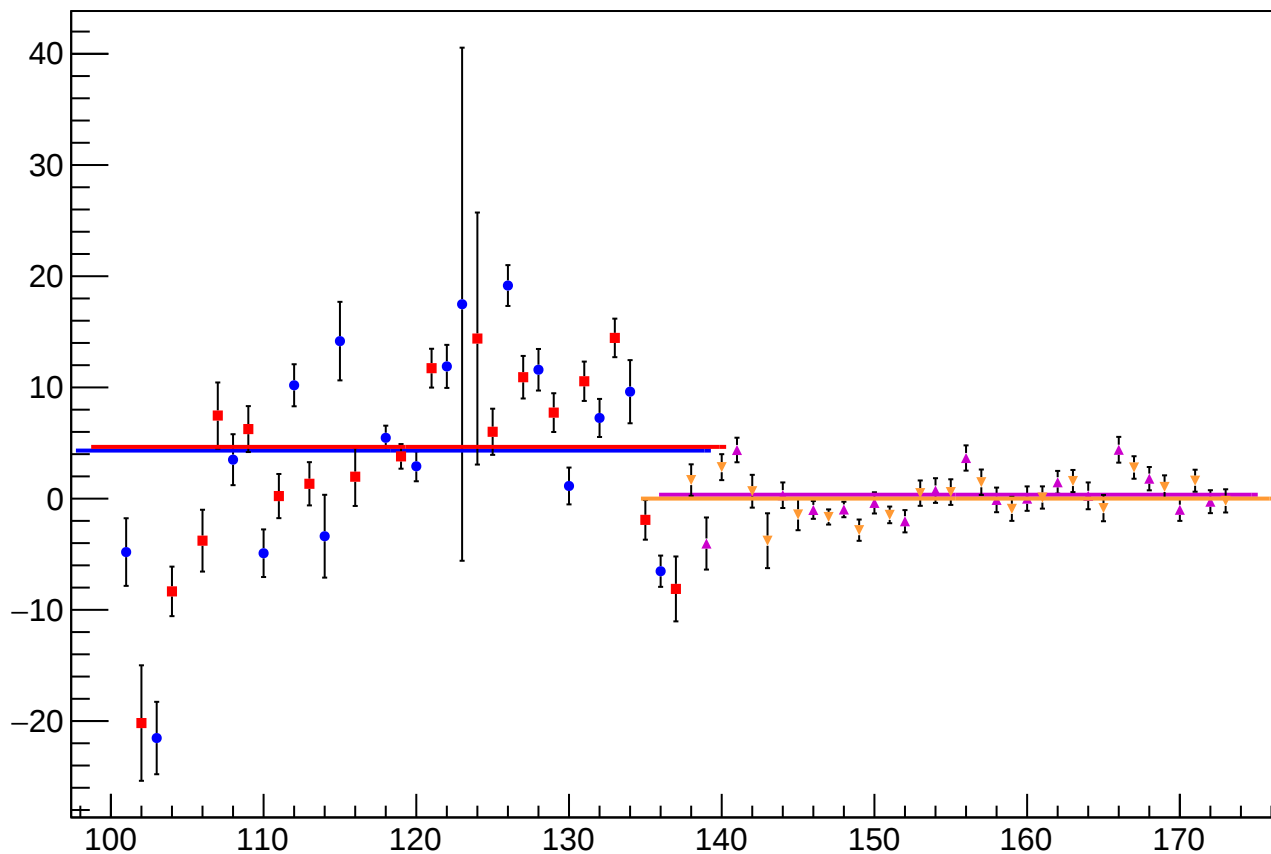
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.647+/-0.339 χ^2/NDF :2741.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.827+/-0.343 χ^2/NDF :774.0/16

Left: -9.723+/-0.241 χ^2/NDF : 3536.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -10.827+/-0.343 χ^2/NDF :774.0/16
 Out: -8.647+/-0.339 χ^2/NDF :2741.5/18
 All: -9.723+/-0.241 χ^2/NDF : 3536.0/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.322 ± 0.465 $\chi^2/\text{NDF}: 280.3/16$

Left Out: 0.004 ± 0.242 $\chi^2/\text{NDF}: 46.6/18$

Right Out: 4.653 ± 0.474 $\chi^2/\text{NDF}: 184.4/17$

Left In: 0.351 ± 0.250 $\chi^2/\text{NDF}: 55.9/16$

Left: 0.171 ± 0.174 $\chi^2/\text{NDF}: 103.5/35$

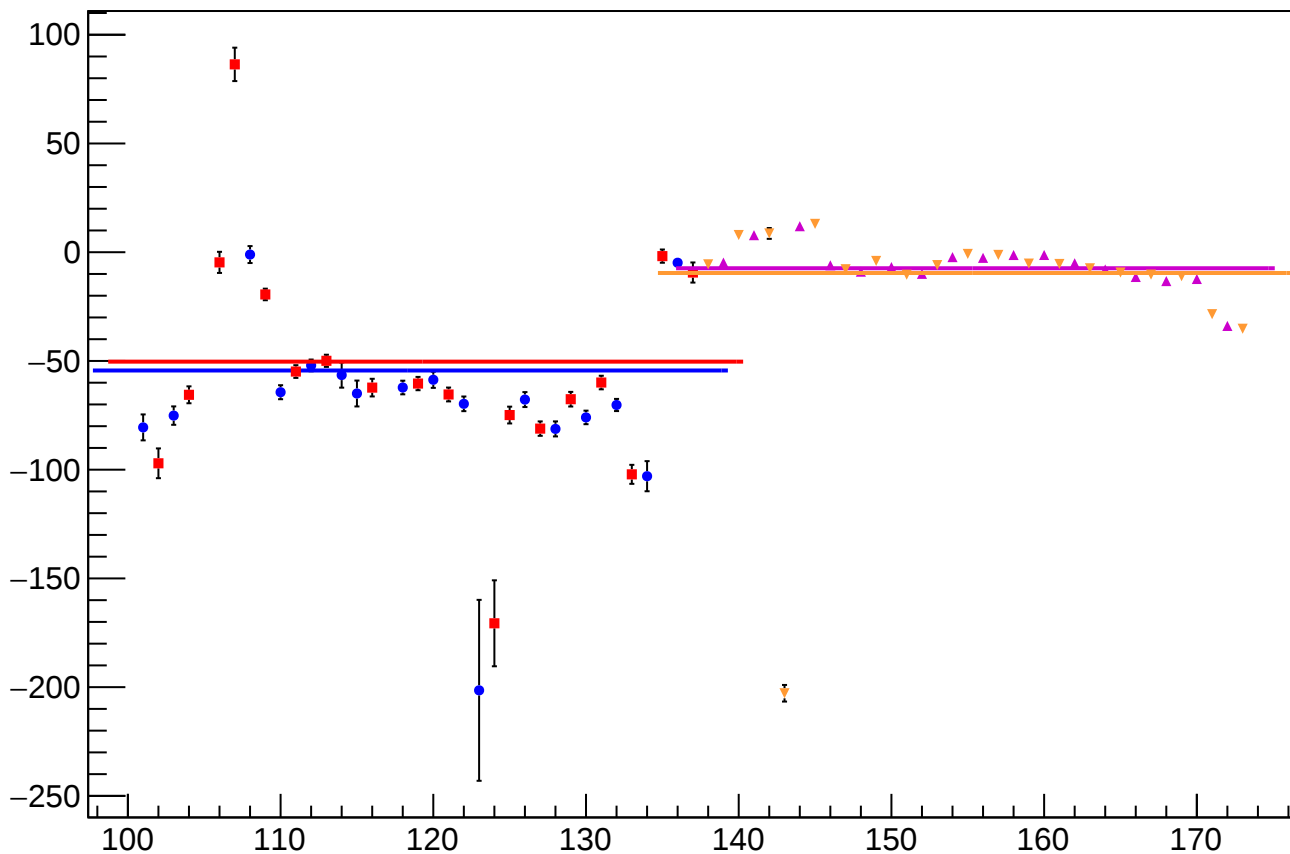
Right: 4.484 ± 0.332 $\chi^2/\text{NDF}: 465.0/34$

In: 1.242 ± 0.220 $\chi^2/\text{NDF}: 392.7/33$

Out: 0.965 ± 0.215 $\chi^2/\text{NDF}: 307.3/36$

All: 1.100 ± 0.154 $\chi^2/\text{NDF}: 700.8/70$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.387 ± 0.864 χ^2/NDF : 1014.0/16

Left Out: -9.551 ± 0.334 χ^2/NDF : 3583.5/18

Right Out: -50.316 ± 0.858 χ^2/NDF : 1319.3/17

Left In: -7.369 ± 0.337 χ^2/NDF : 703.7/16

Left: -8.470 ± 0.237 χ^2/NDF : 4308.4/35

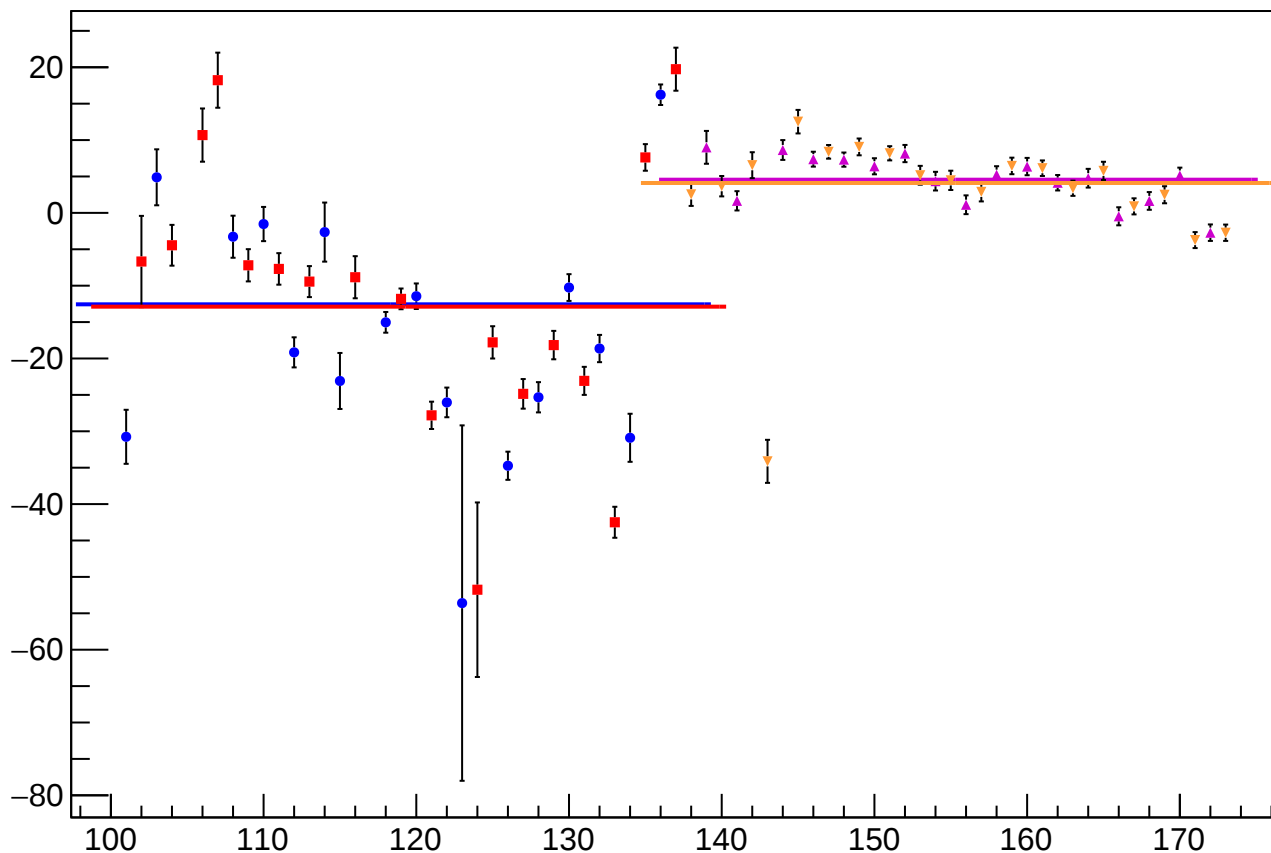
Right: -52.337 ± 0.609 χ^2/NDF : 2344.4/34

In: -13.572 ± 0.314 χ^2/NDF : 4285.5/33

Out: -14.911 ± 0.311 χ^2/NDF : 6862.0/36

All: -14.247 ± 0.221 χ^2/NDF : 11156.7/70

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.561 ± 0.531 χ^2/NDF : 779.5/16

Left Out: 4.106 ± 0.280 χ^2/NDF : 364.4/18

Right Out: -12.881 ± 0.538 χ^2/NDF : 726.6/17

Left In: 4.558 ± 0.289 χ^2/NDF : 119.0/16

Left: 4.324 ± 0.201 χ^2/NDF : 484.7/35

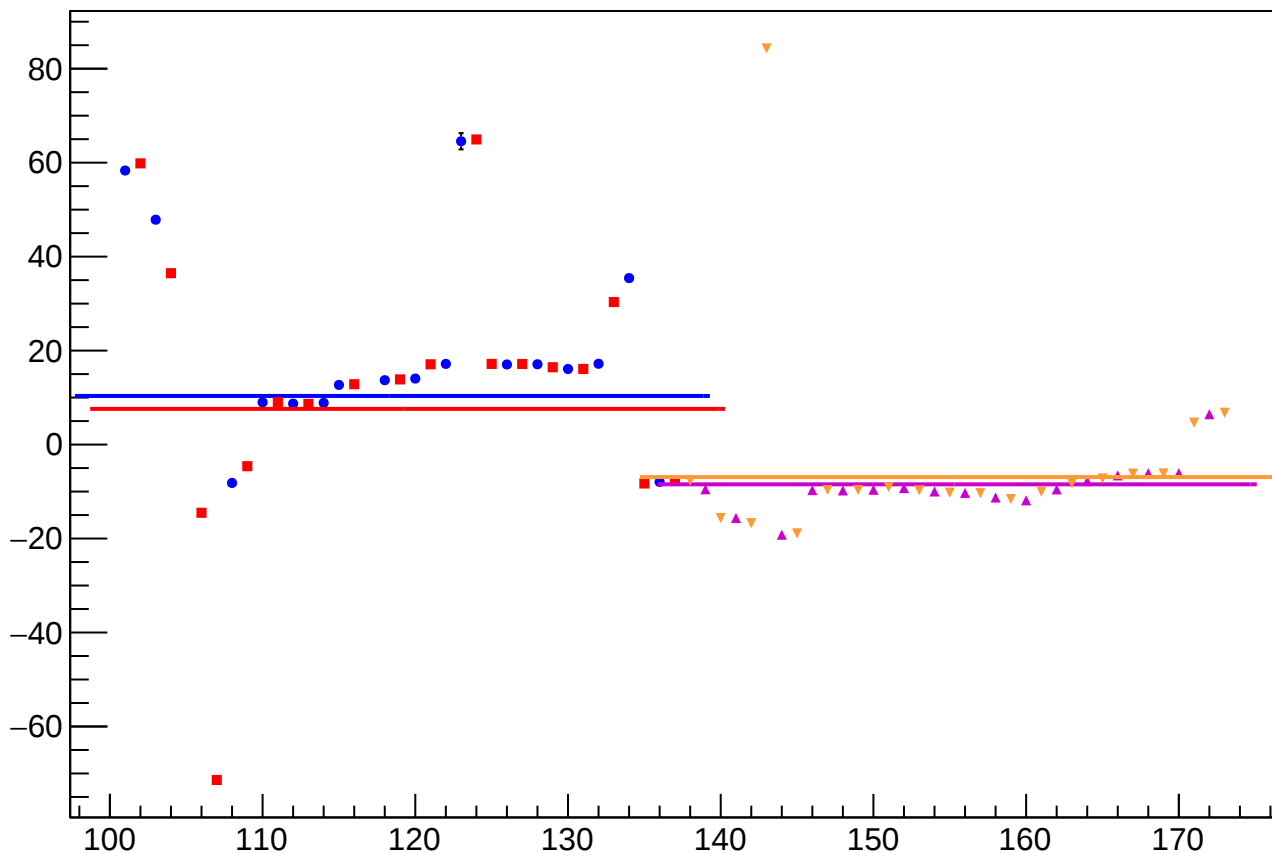
Right: -12.719 ± 0.378 χ^2/NDF : 1506.3/34

In: 0.644 ± 0.254 χ^2/NDF : 1698.9/33

Out: 0.497 ± 0.248 χ^2/NDF : 1875.4/36

All: 0.569 ± 0.178 χ^2/NDF : 3574.4/70

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.350+/-0.031 χ^2/NDF : 380878.9/16

Left Out: -6.913+/-0.013 χ^2/NDF : 576869.8/18

Right Out: 7.602+/-0.031 χ^2/NDF : 538460.3/17

Left In: -8.460+/-0.013 χ^2/NDF : 144489.1/16

Left: -7.676+/-0.009 χ^2/NDF : 728433.4/35

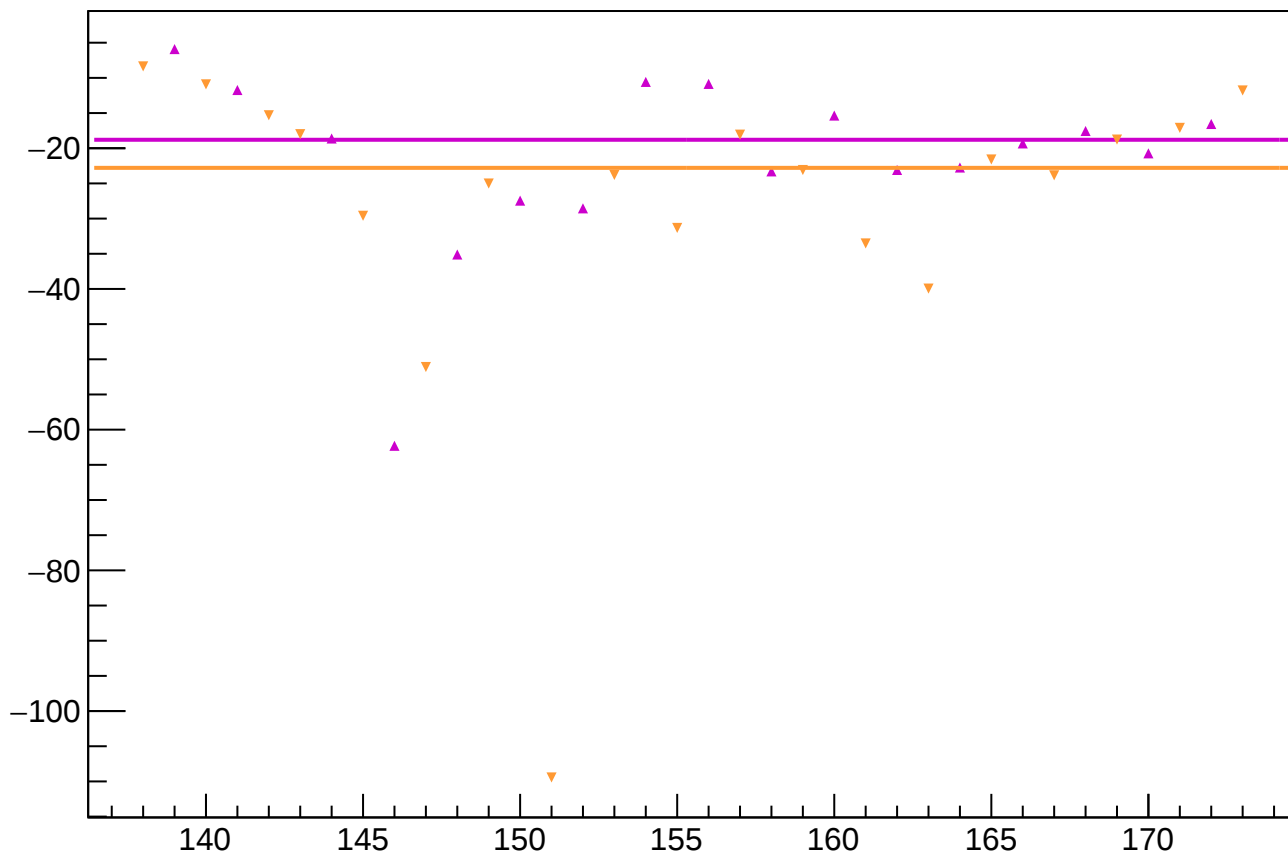
Right: 9.008+/-0.022 χ^2/NDF : 923283.8/34

In: -5.547+/-0.012 χ^2/NDF : 845128.3/33

Out: -4.799+/-0.012 χ^2/NDF : 1299146.1/36

All: -5.170+/-0.008 χ^2/NDF : 2146219.5/70

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: -22.788 ± 0.053 χ^2/NDF : 62453.2/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -18.797 ± 0.049 χ^2/NDF : 38148.0/16

Left: -20.614 ± 0.036 χ^2/NDF : 103636.5/35

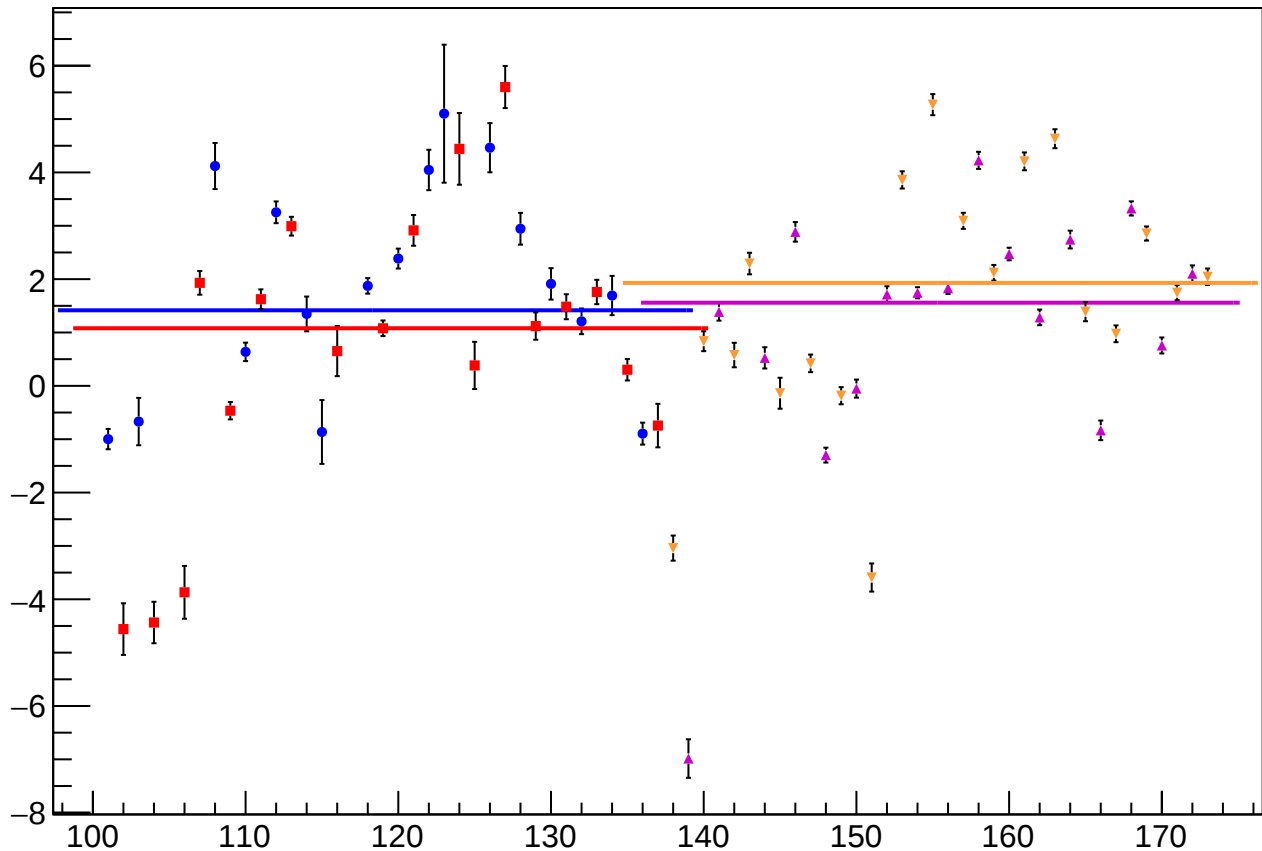
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -18.797 ± 0.049 χ^2/NDF : 38148.0/16

Out: -22.788 ± 0.053 χ^2/NDF : 62453.2/18

All: -20.614 ± 0.036 χ^2/NDF : 103636.5/35

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.416 $\pm$ 0.061 χ^2/NDF : 631.2/16

Left Out: 1.929 $\pm$ 0.040 χ^2/NDF :2269.4/18

Right Out: 1.080 $\pm$ 0.058 χ^2/NDF : 916.1/17

Left In: 1.559 $\pm$ 0.036 χ^2/NDF :1937.5/16

Left: 1.726 $\pm$ 0.027 χ^2/NDF : 4254.6/35

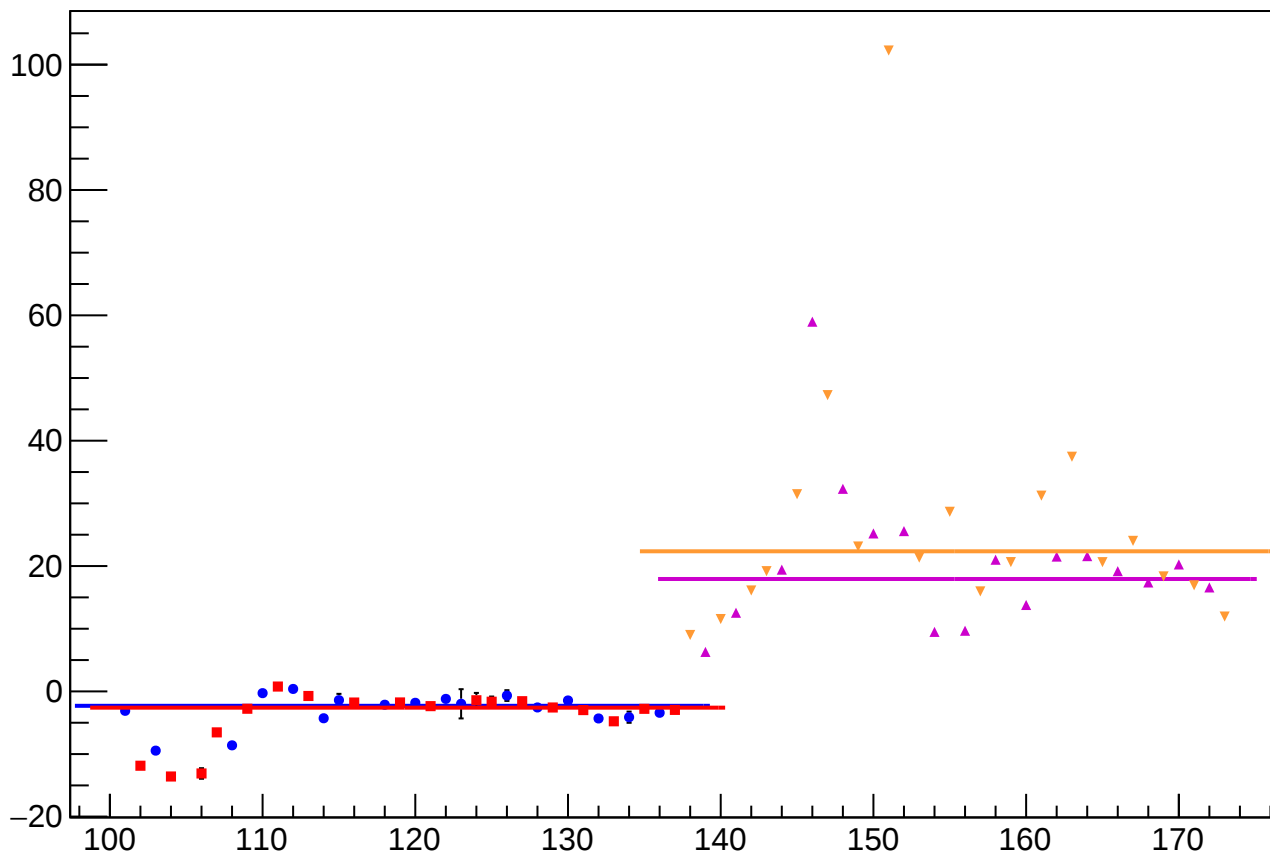
Right: 1.239 $\pm$ 0.042 χ^2/NDF : 1563.2/34

In: 1.522 $\pm$ 0.031 χ^2/NDF :2572.7/33

Out: 1.659 $\pm$ 0.033 χ^2/NDF :3331.0/36

All: 1.587 $\pm$ 0.023 χ^2/NDF : 5913.0/70

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.299 ± 0.111 χ^2/NDF : 440.0/16

Left Out: 22.354 ± 0.053 χ^2/NDF : 55650.2/18

Right Out: -2.594 ± 0.099 χ^2/NDF : 889.6/17

Left In: 17.935 ± 0.048 χ^2/NDF : 35940.8/16

Left: 19.910 ± 0.035 χ^2/NDF : 95440.9/35

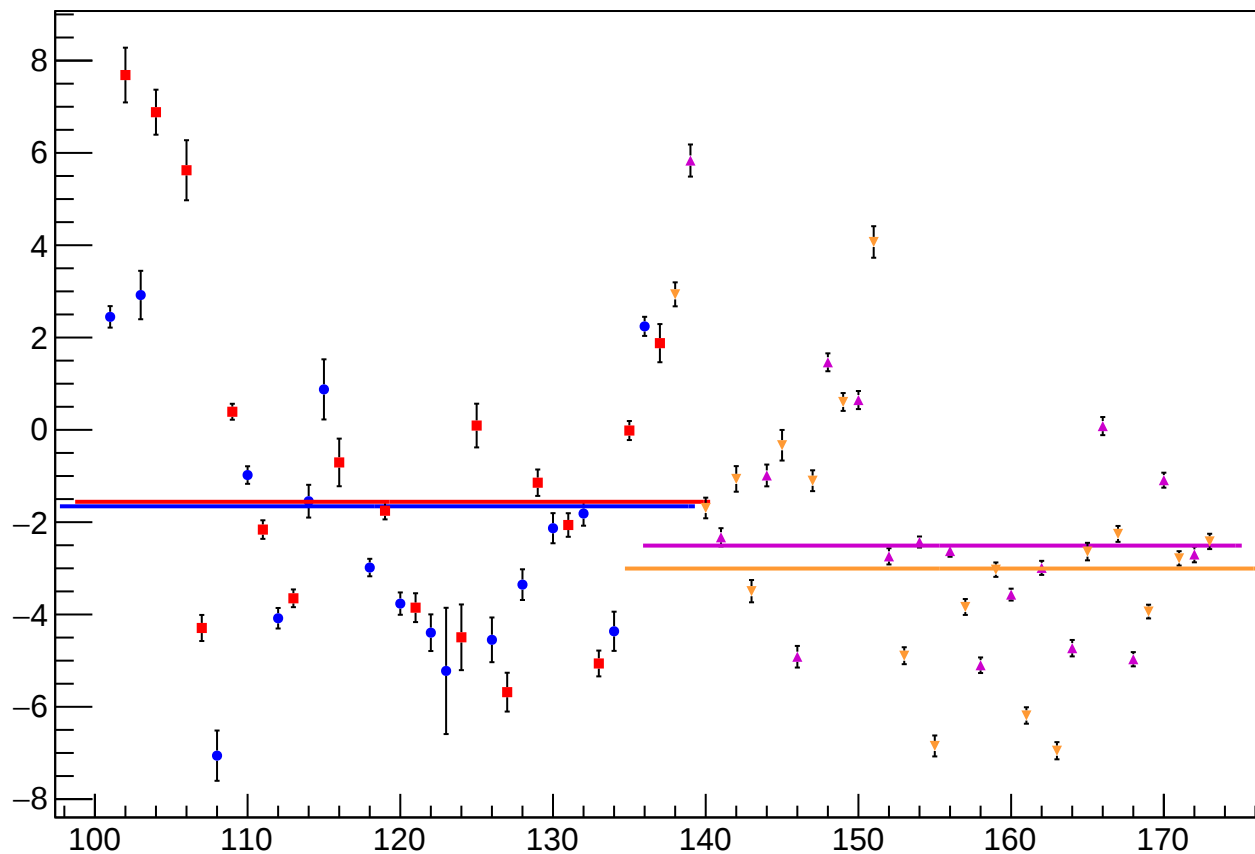
Right: -2.463 ± 0.074 χ^2/NDF : 1333.6/34

In: 14.782 ± 0.044 χ^2/NDF : 64514.4/33

Out: 16.826 ± 0.047 χ^2/NDF : 105702.9/36

All: 15.737 ± 0.032 χ^2/NDF : 171236.8/70

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.656 ± 0.070 χ^2/NDF : 1271.1/16

Left Out: -3.005 ± 0.045 χ^2/NDF : 2784.2/18

Right Out: -1.558 ± 0.066 χ^2/NDF : 1484.7/17

Left In: -2.508 ± 0.041 χ^2/NDF : 2381.0/16

Left: -2.733 ± 0.030 χ^2/NDF : 5232.5/35

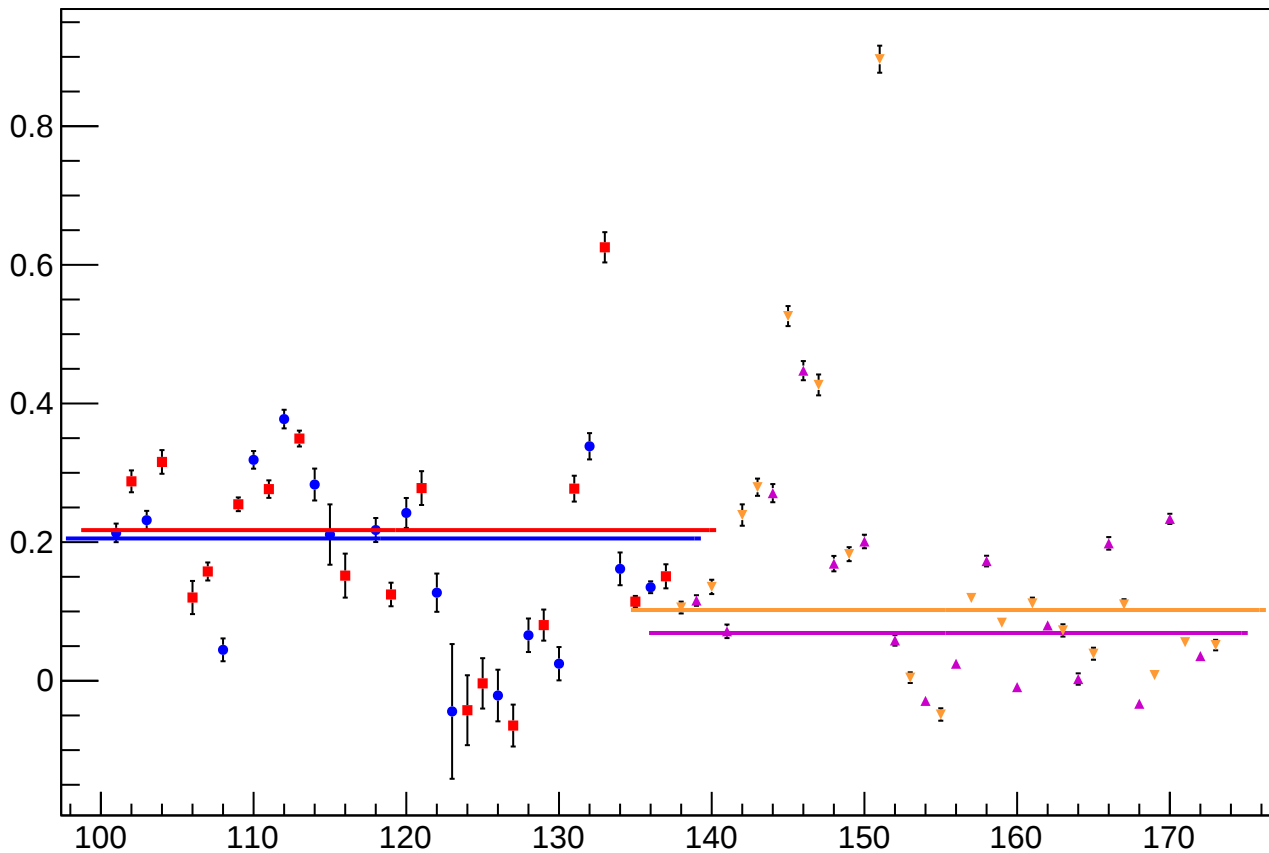
Right: -1.604 ± 0.048 χ^2/NDF : 2756.9/34

In: -2.294 ± 0.035 χ^2/NDF : 3761.5/33

Out: -2.545 ± 0.037 χ^2/NDF : 4599.4/36

All: -2.413 ± 0.026 χ^2/NDF : 8385.0/70

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.004 χ^2/NDF : 620.5/16

Left Out: 0.102 ± 0.002 χ^2/NDF : 4147.3/18

Right Out: 0.217 ± 0.004 χ^2/NDF : 1019.4/17

Left In: 0.069 ± 0.002 χ^2/NDF : 3208.0/16

Left: 0.083 ± 0.001 χ^2/NDF : 7508.1/35

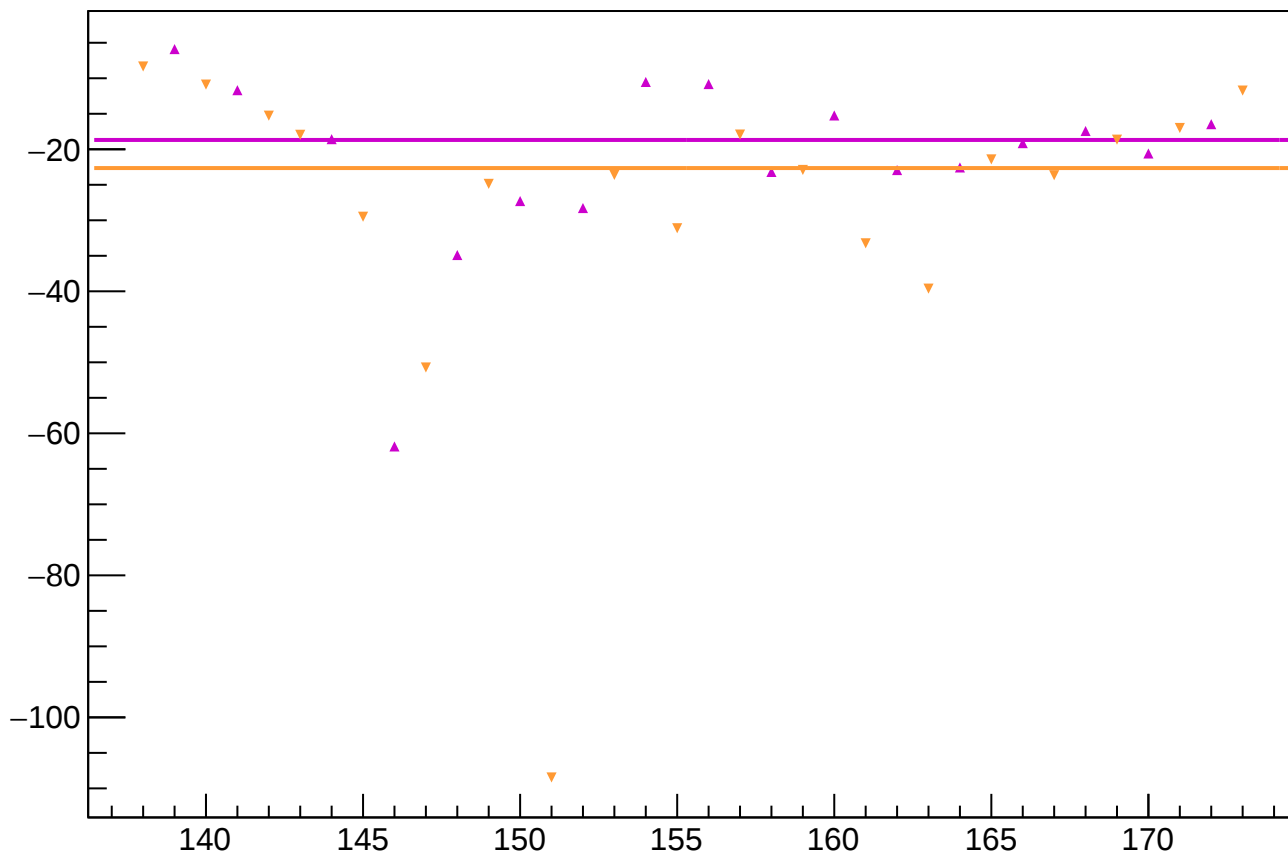
Right: 0.212 ± 0.003 χ^2/NDF : 1644.6/34

In: 0.090 ± 0.002 χ^2/NDF : 4745.1/33

Out: 0.128 ± 0.002 χ^2/NDF : 5913.0/36

All: 0.108 ± 0.001 χ^2/NDF : 10909.1/70

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.645+/-0.053 χ^2/NDF :62265.4/18

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

Left In: -18.687+/-0.049 χ^2/NDF :38060.1/16

Left: -20.490+/-0.036 χ^2/NDF : 103349.7/35

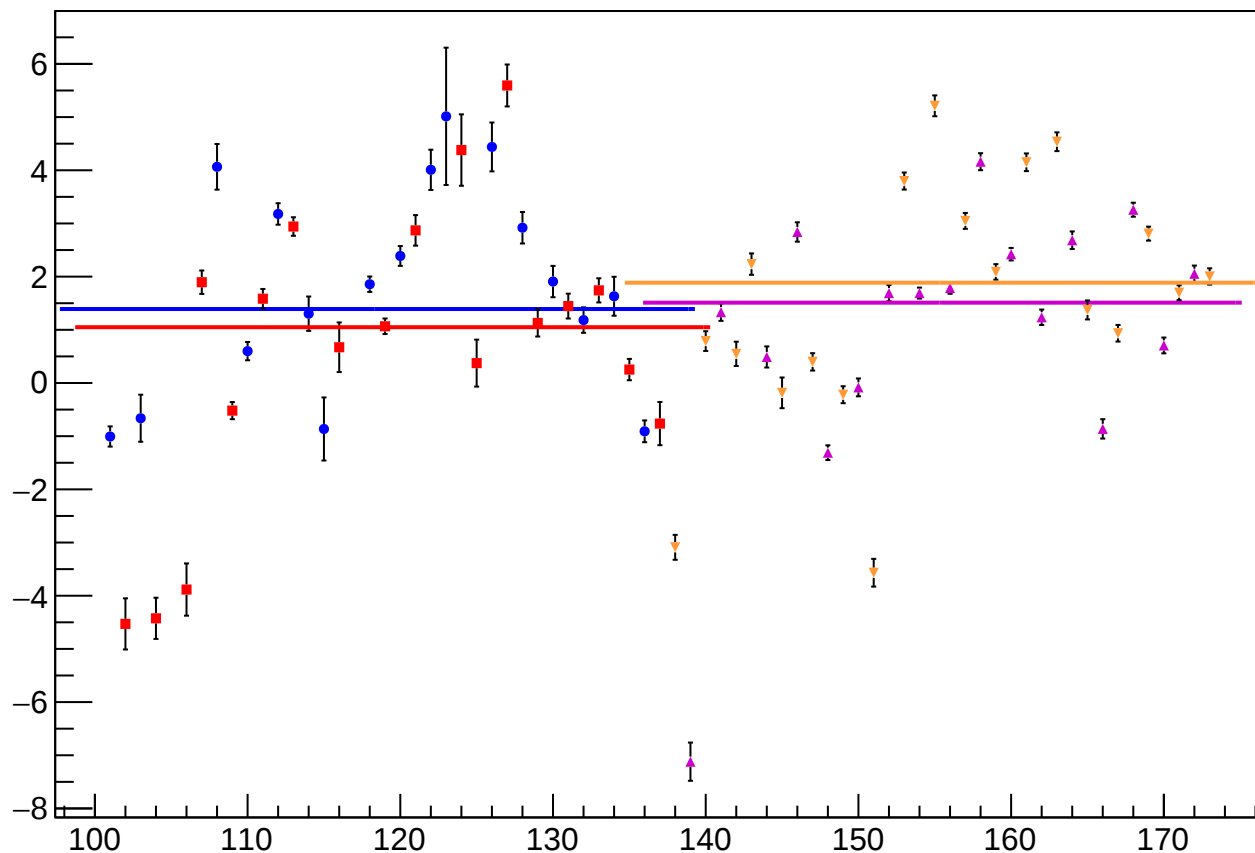
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.687+/-0.049 χ^2/NDF :38060.1/16

Out: -22.645+/-0.053 χ^2/NDF :62265.4/18

All: -20.490+/-0.036 χ^2/NDF : 103349.7/35

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.391 $\pm$ 0.061 χ^2 /NDF: 629.2/16

Left Out: 1.886 $\pm$ 0.039 χ^2 /NDF:2269.0/18

Right Out: 1.049 $\pm$ 0.058 χ^2 /NDF: 919.8/17

Left In: 1.511 $\pm$ 0.036 χ^2 /NDF:1948.7/16

Left: 1.680 $\pm$ 0.026 χ^2 /NDF: 4267.3/35

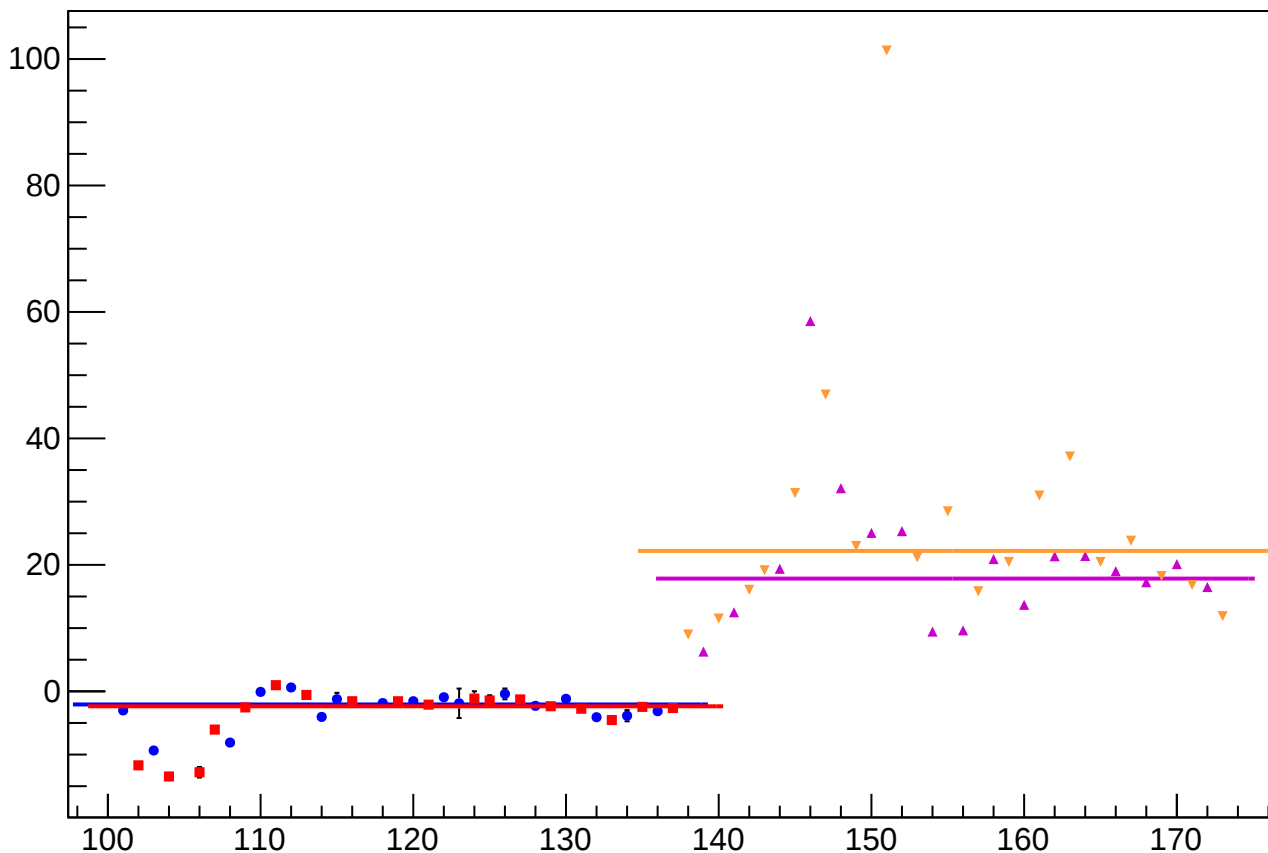
Right: 1.211 $\pm$ 0.042 χ^2 /NDF: 1565.5/34

In: 1.480 $\pm$ 0.031 χ^2 /NDF:2580.7/33

Out: 1.621 $\pm$ 0.033 χ^2 /NDF:3331.4/36

All: 1.547 $\pm$ 0.022 χ^2 /NDF: 5922.0/70

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.075 ± 0.110 χ^2/NDF : 442.3/16

Left Out: 22.211 ± 0.053 χ^2/NDF : 55503.1/18

Right Out: -2.366 ± 0.099 χ^2/NDF : 893.2/17

Left In: 17.830 ± 0.047 χ^2/NDF : 35864.7/16

Left: 19.789 ± 0.035 χ^2/NDF : 95201.4/35

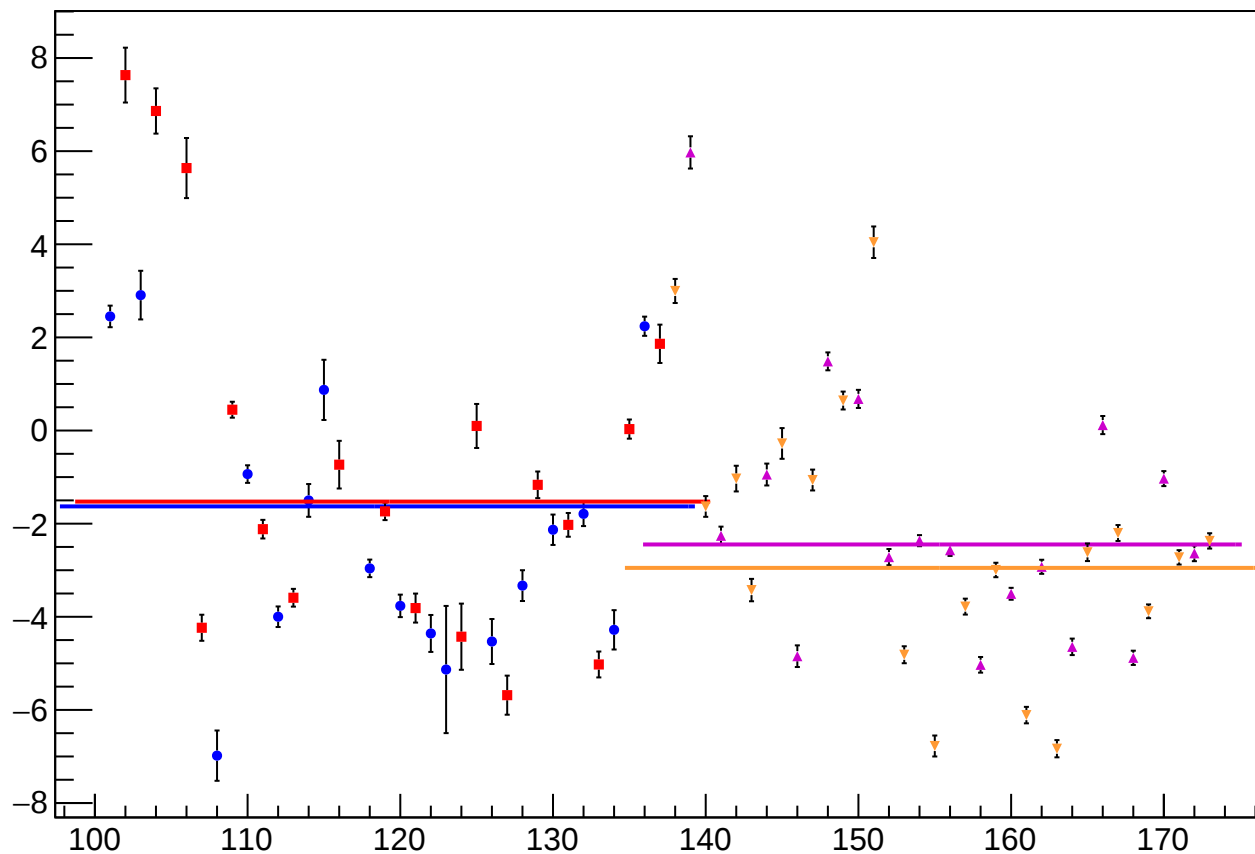
Right: -2.237 ± 0.074 χ^2/NDF : 1339.4/34

In: 14.735 ± 0.043 χ^2/NDF : 63818.6/33

Out: 16.776 ± 0.046 χ^2/NDF : 104648.3/36

All: 15.689 ± 0.032 χ^2/NDF : 169495.8/70

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.629 ± 0.070 χ^2/NDF : 1266.4/16

Left Out: -2.950 ± 0.045 χ^2/NDF : 2782.4/18

Right Out: -1.526 ± 0.065 χ^2/NDF : 1488.2/17

Left In: -2.447 ± 0.041 χ^2/NDF : 2392.9/16

Left: -2.675 ± 0.030 χ^2/NDF : 5245.1/35

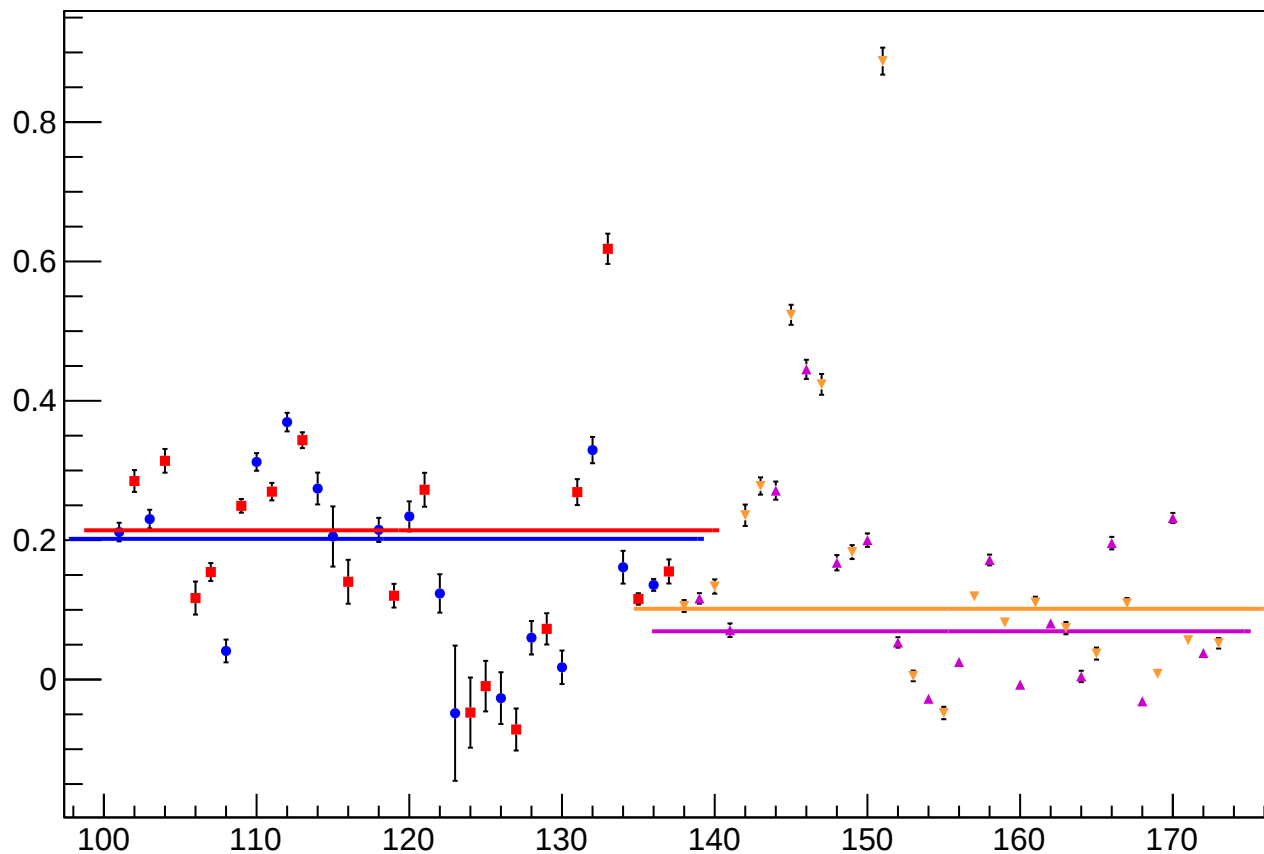
Right: -1.574 ± 0.048 χ^2/NDF : 2755.7/34

In: -2.242 ± 0.035 χ^2/NDF : 3761.2/33

Out: -2.499 ± 0.037 χ^2/NDF : 4594.3/36

All: -2.364 ± 0.025 χ^2/NDF : 8380.9/70

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.004 χ^2/NDF : 604.6/16

Left Out: 0.102 ± 0.002 χ^2/NDF : 4138.5/18

Right Out: 0.214 ± 0.004 χ^2/NDF : 1001.6/17

Left In: 0.069 ± 0.002 χ^2/NDF : 3181.6/16

Left: 0.083 ± 0.001 χ^2/NDF : 7467.5/35

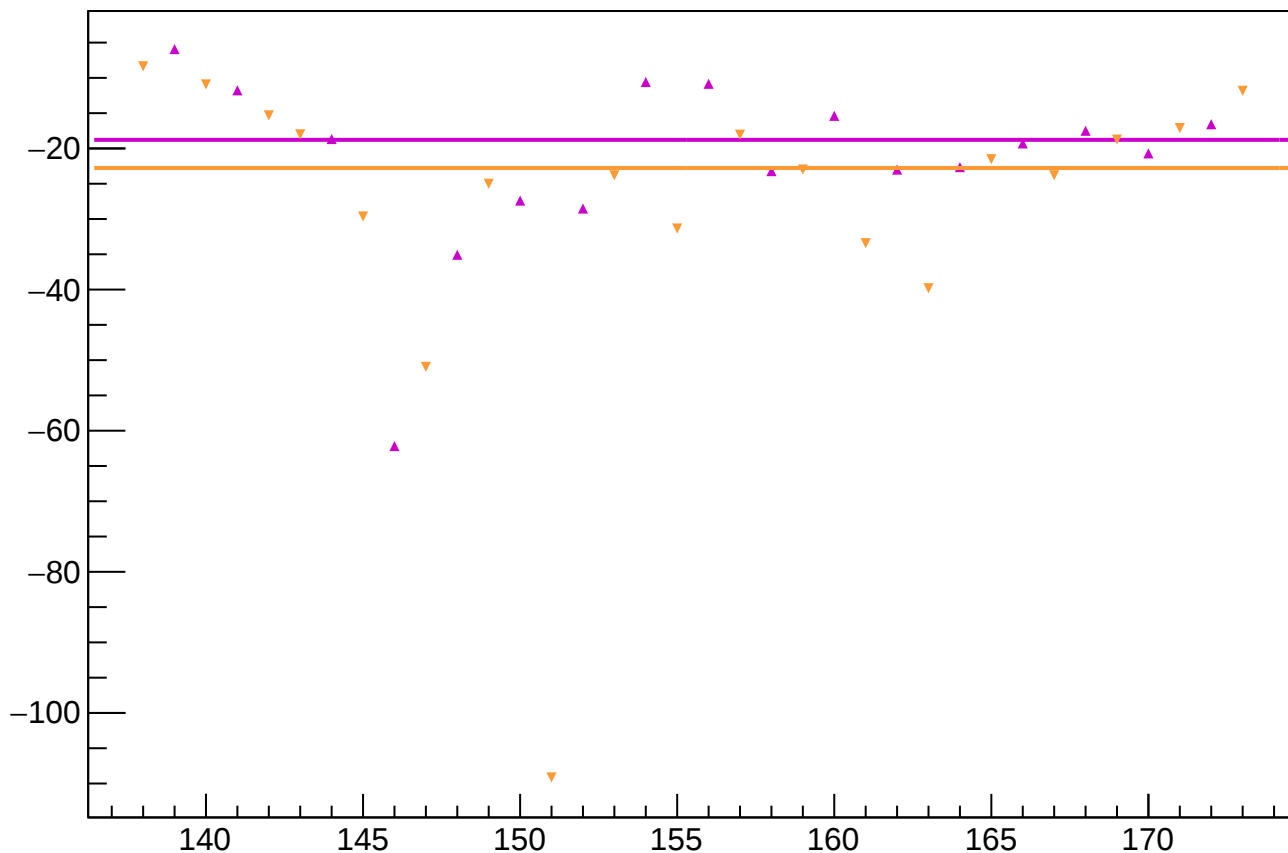
Right: 0.209 ± 0.003 χ^2/NDF : 1611.2/34

In: 0.090 ± 0.002 χ^2/NDF : 4663.4/33

Out: 0.127 ± 0.002 χ^2/NDF : 5860.2/36

All: 0.107 ± 0.001 χ^2/NDF : 10766.7/70

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: -22.769+/-0.053 χ^2/NDF :62379.9/18

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

Left In: -18.780+/-0.049 χ^2/NDF :38119.1/16

Left: -20.595+/-0.036 χ^2/NDF : 103545.8/35

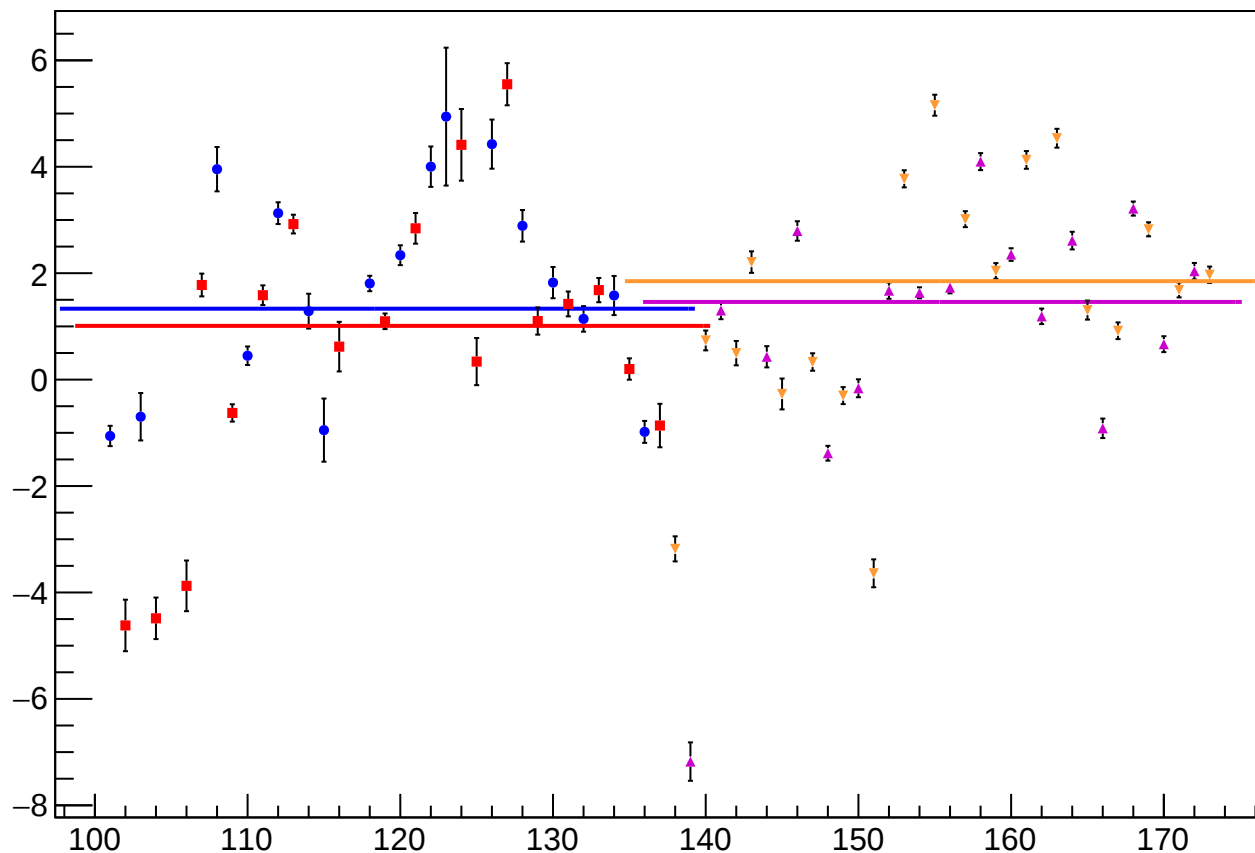
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.780+/-0.049 χ^2/NDF :38119.1/16

Out: -22.769+/-0.053 χ^2/NDF :62379.9/18

All: -20.595+/-0.036 χ^2/NDF : 103545.8/35

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.333 ± 0.061 χ^2/NDF : 634.6/16

Left Out: 1.850 ± 0.040 χ^2/NDF : 2291.2/18

Right Out: 1.010 ± 0.058 χ^2/NDF : 930.3/17

Left In: 1.460 ± 0.036 χ^2/NDF : 1939.6/16

Left: 1.636 ± 0.027 χ^2/NDF : 4284.1/35

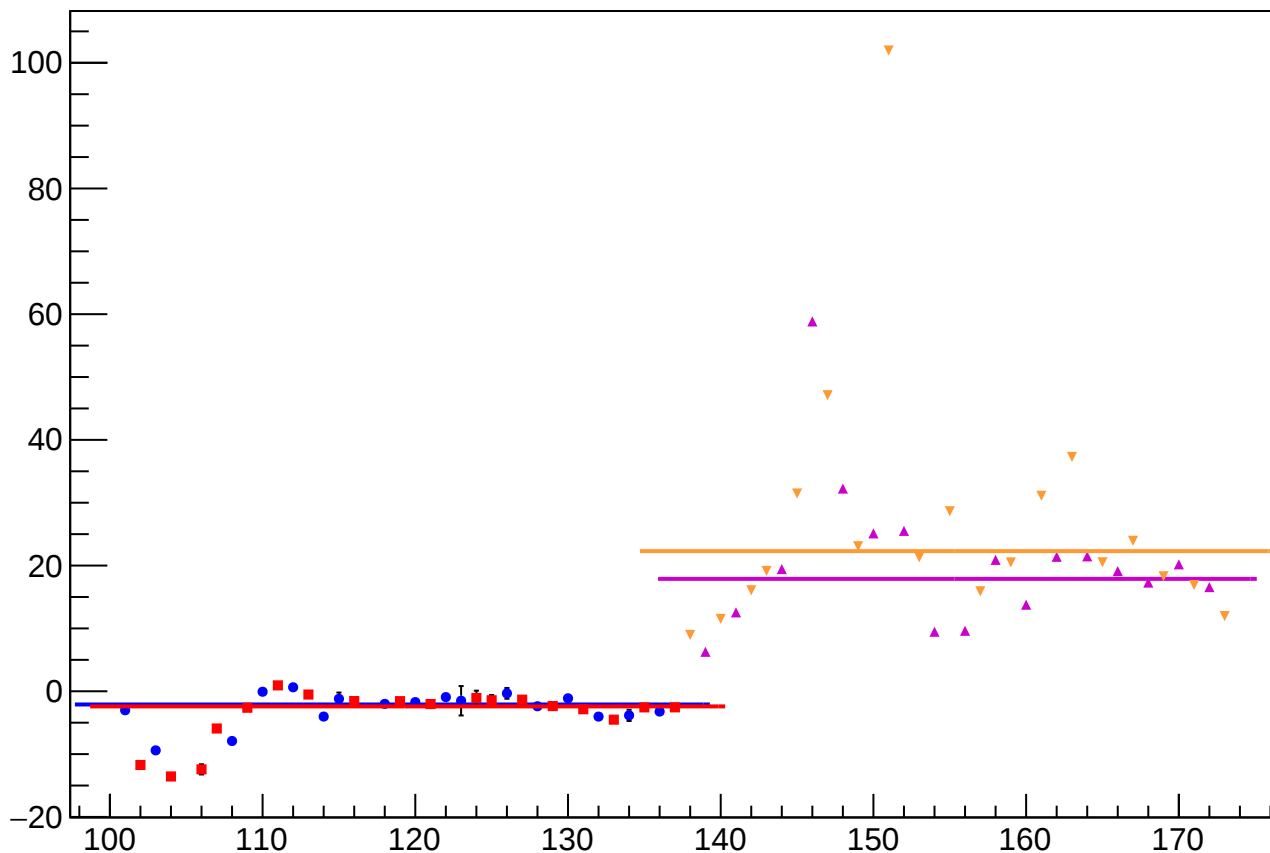
Right: 1.163 ± 0.042 χ^2/NDF : 1579.5/34

In: 1.427 ± 0.031 χ^2/NDF : 2577.4/33

Out: 1.583 ± 0.033 χ^2/NDF : 3364.4/36

All: 1.501 ± 0.022 χ^2/NDF : 5953.8/70

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.104 ± 0.111 χ^2/NDF : 440.3/16

Left Out: 22.300 ± 0.053 χ^2/NDF : 55601.3/18

Right Out: -2.410 ± 0.099 χ^2/NDF : 886.9/17

Left In: 17.883 ± 0.047 χ^2/NDF : 35935.1/16

Left: 19.857 ± 0.035 χ^2/NDF : 95401.1/35

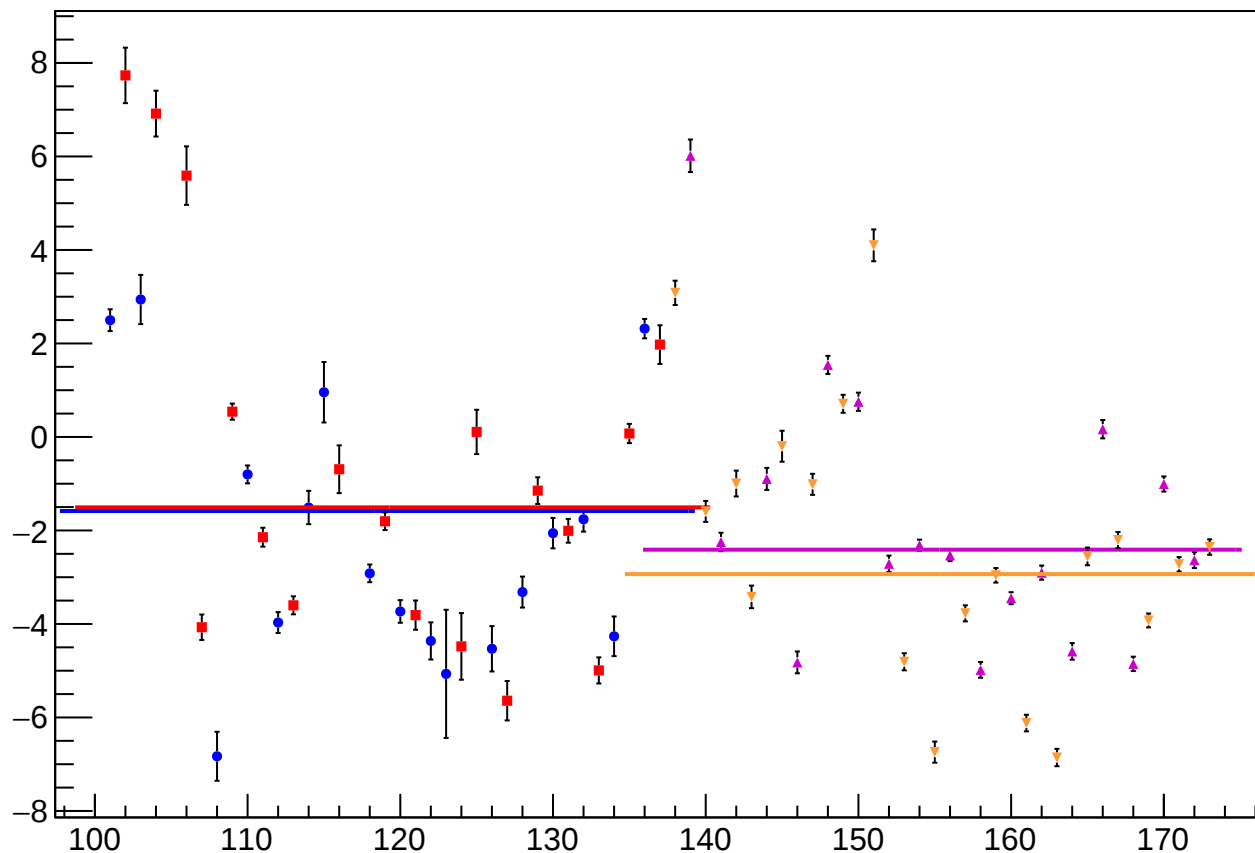
Right: -2.274 ± 0.074 χ^2/NDF : 1331.4/34

In: 14.784 ± 0.044 χ^2/NDF : 63832.9/33

Out: 16.842 ± 0.047 χ^2/NDF : 104798.4/36

All: 15.745 ± 0.032 χ^2/NDF : 169668.3/70

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.584±/0.070 χ^2/NDF : 1272.1/16

Left Out: -2.933±/0.045 χ^2/NDF : 2810.6/18

Right Out: -1.506±/0.066 χ^2/NDF : 1499.8/17

Left In: -2.411±/0.041 χ^2/NDF : 2382.7/16

Left: -2.648±/0.030 χ^2/NDF : 5267.9/35

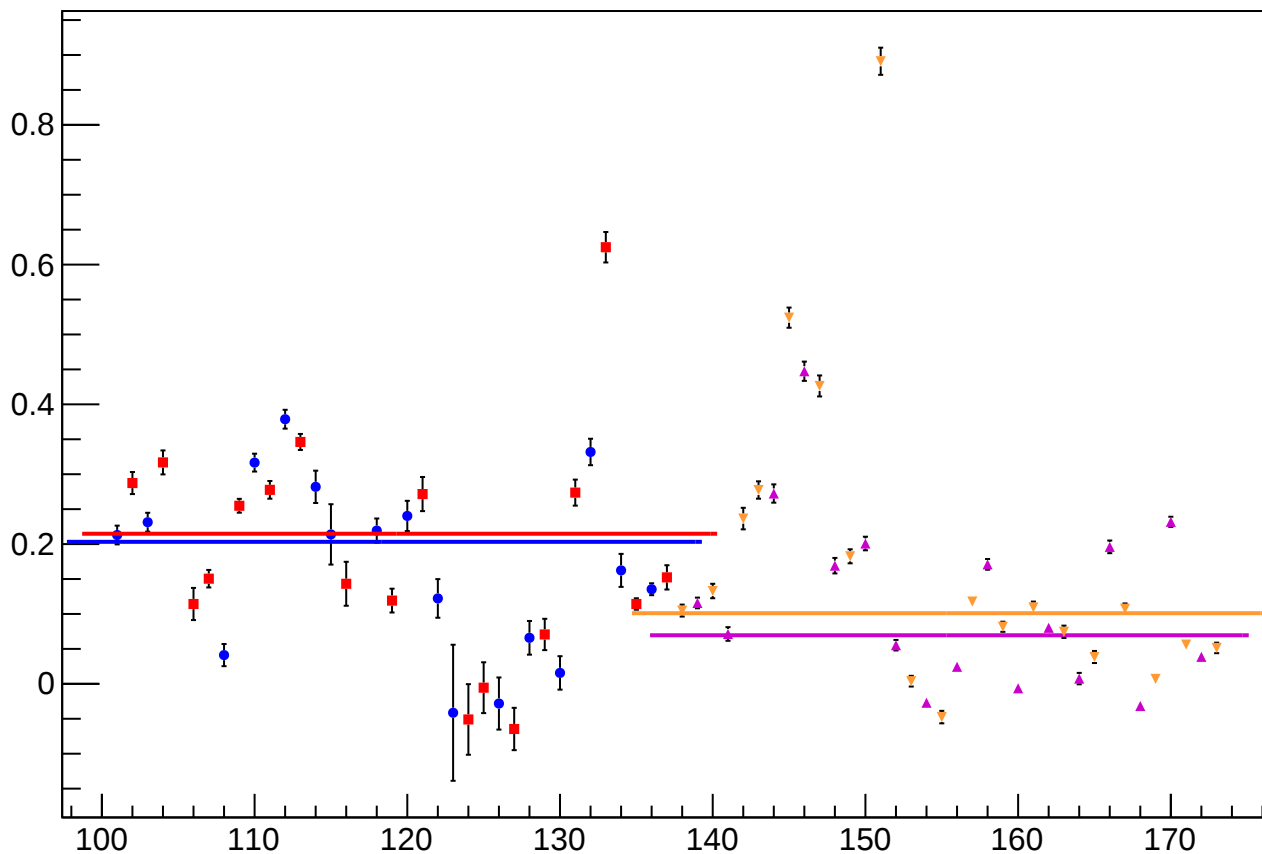
Right: -1.542±/0.048 χ^2/NDF : 2772.7/34

In: -2.205±/0.035 χ^2/NDF : 3758.2/33

Out: -2.480±/0.037 χ^2/NDF : 4633.7/36

All: -2.336±/0.025 χ^2/NDF : 8421.1/70

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.083 $\pm$ 0.001 χ^2 /NDF: 7425.8/35

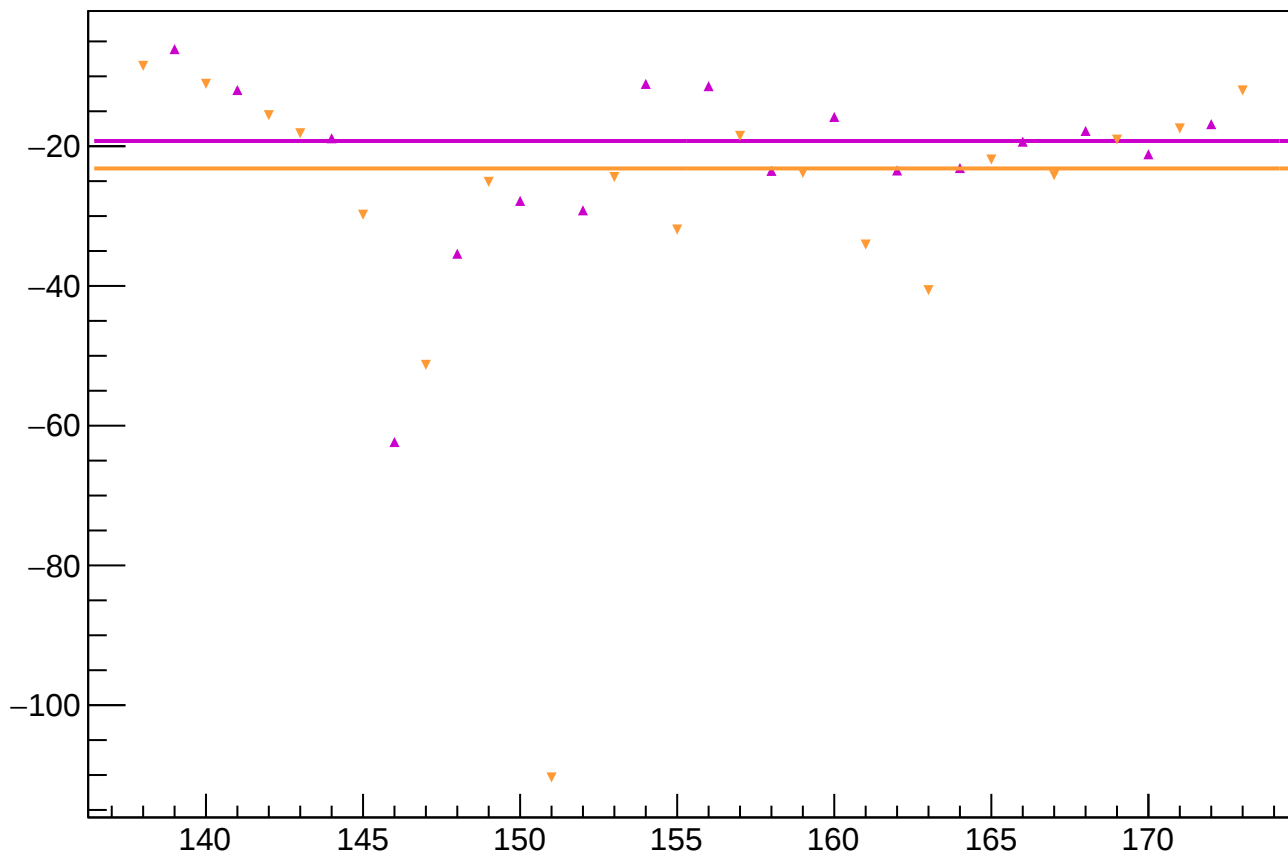
Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1670.1/34

In: 0.090 $\pm$ 0.002 χ^2 /NDF: 4677.4/33

Out: 0.127 $\pm$ 0.002 χ^2 /NDF: 5890.4/36

All: 0.107 $\pm$ 0.001 χ^2 /NDF: 10801.6/70

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.182 $\pm$ 0.054 χ^2 /NDF:62234.2/18

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

Left In: -19.252 $\pm$ 0.050 χ^2 /NDF:37024.2/16

Left: -21.049 $\pm$ 0.037 χ^2 /NDF: 102091.2/35

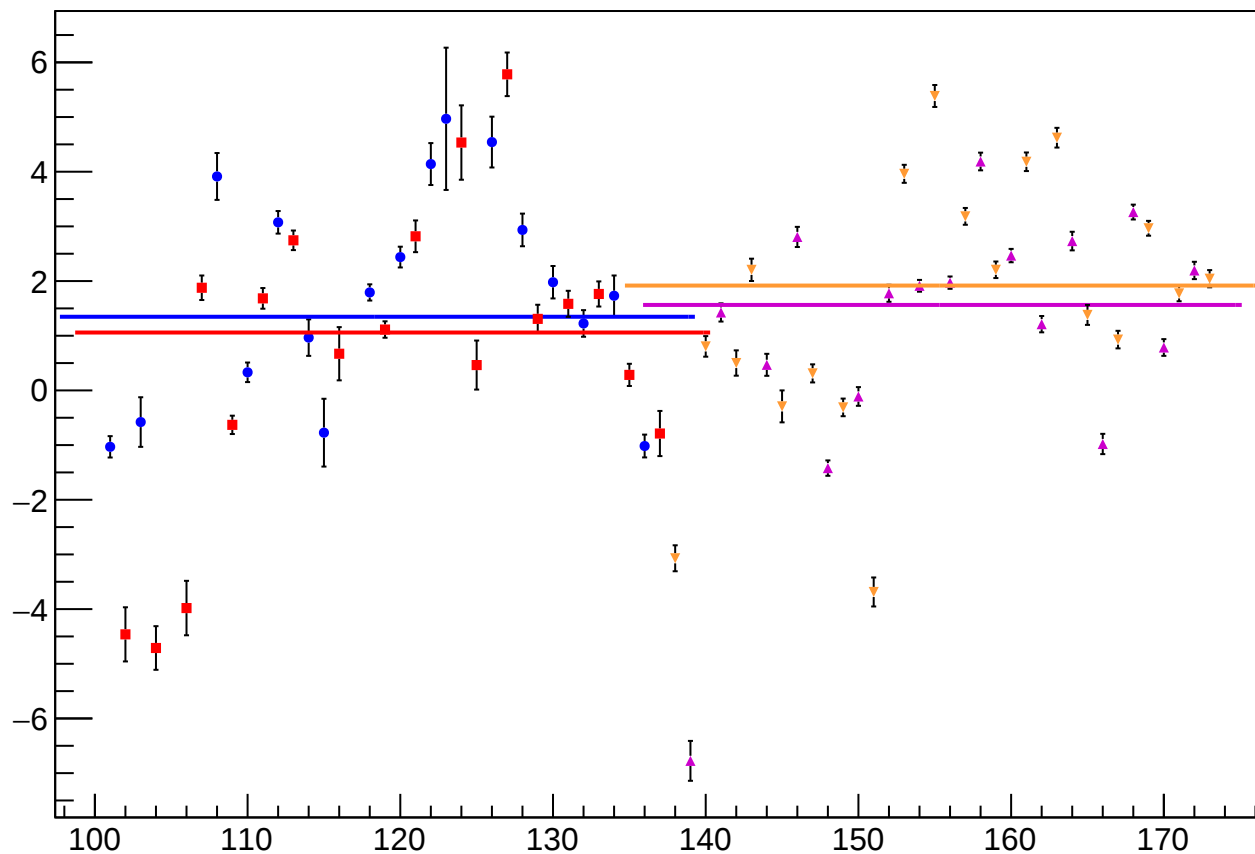
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -19.252 $\pm$ 0.050 χ^2 /NDF:37024.2/16

Out: -23.182 $\pm$ 0.054 χ^2 /NDF:62234.2/18

All: -21.049 $\pm$ 0.037 χ^2 /NDF: 102091.2/35

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.347 ± 0.062 χ^2/NDF : 630.1/16

Left Out: 1.918 ± 0.040 χ^2/NDF : 2337.1/18

Right Out: 1.059 ± 0.059 χ^2/NDF : 905.3/17

Left In: 1.563 ± 0.037 χ^2/NDF : 1925.1/16

Left: 1.724 ± 0.027 χ^2/NDF : 4304.3/35

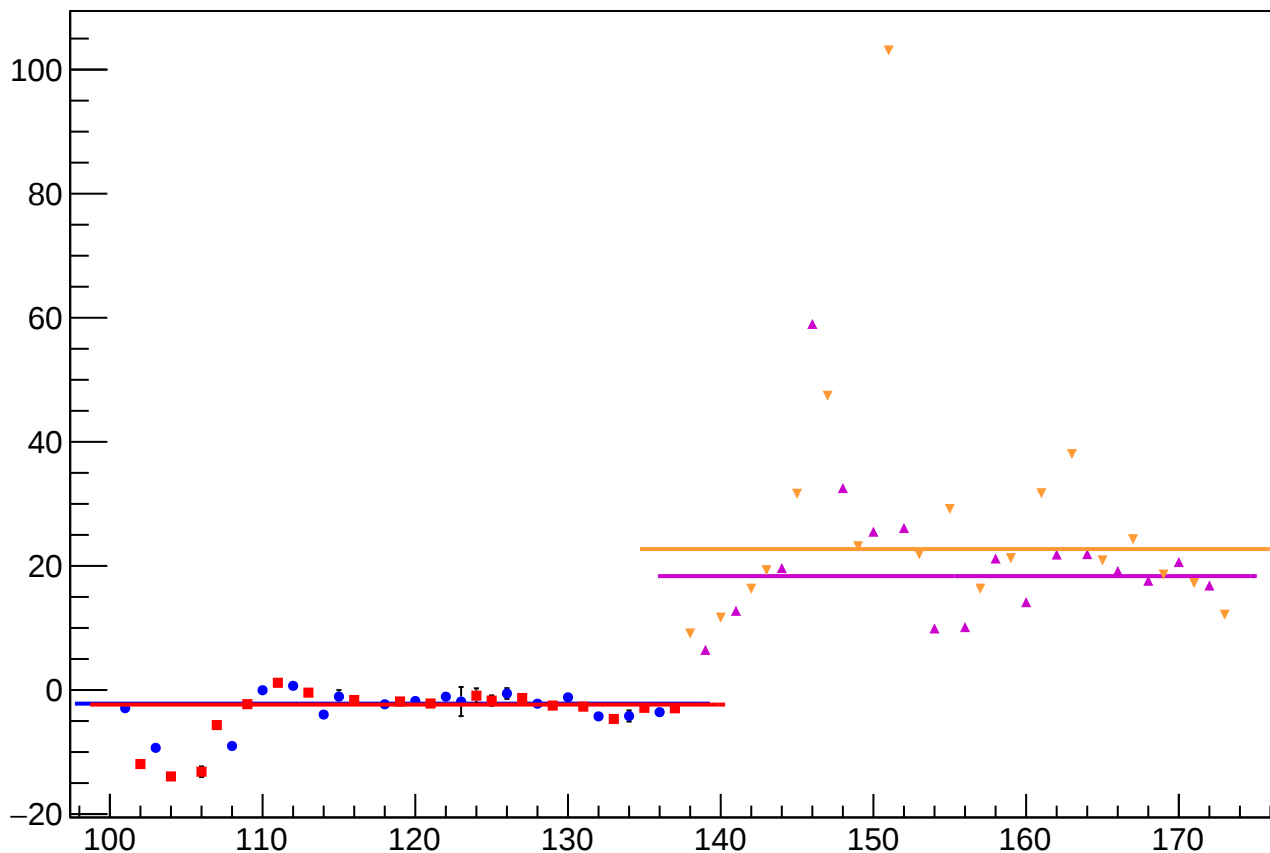
Right: 1.196 ± 0.043 χ^2/NDF : 1546.6/34

In: 1.507 ± 0.032 χ^2/NDF : 2564.2/33

Out: 1.646 ± 0.033 χ^2/NDF : 3385.8/36

All: 1.573 ± 0.023 χ^2/NDF : 5959.0/70

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.194 ± 0.113 $\chi^2/\text{NDF}: 463.5/16$

Left Out: 22.720 ± 0.054 $\chi^2/\text{NDF}: 55345.9/18$

Right Out: -2.350 ± 0.101 $\chi^2/\text{NDF}: 908.5/17$

Left In: 18.358 ± 0.049 $\chi^2/\text{NDF}: 34705.5/16$

Left: 20.317 ± 0.036 $\chi^2/\text{NDF}: 93661.1/35$

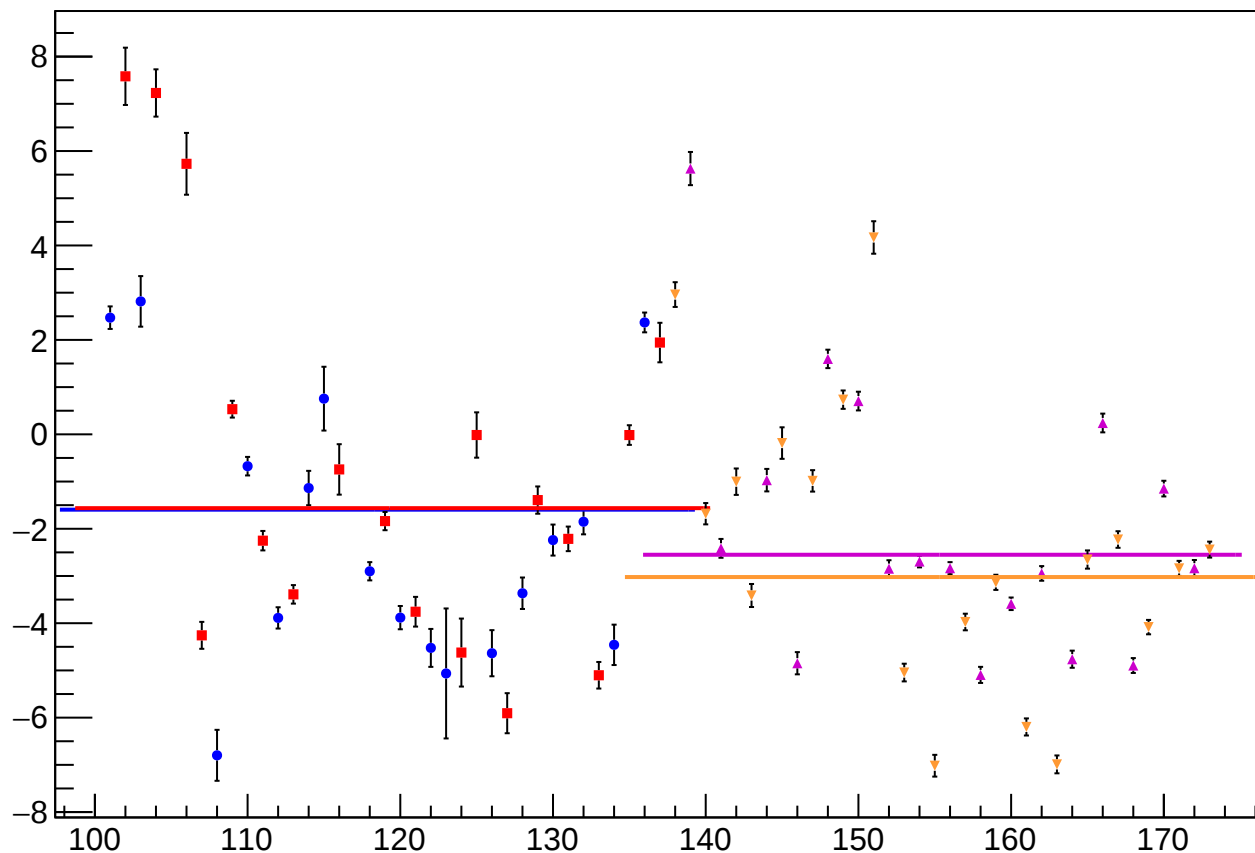
Right: -2.280 ± 0.075 $\chi^2/\text{NDF}: 1373.0/34$

In: 15.136 ± 0.045 $\chi^2/\text{NDF}: 63134.8/33$

Out: 17.193 ± 0.048 $\chi^2/\text{NDF}: 103962.3/36$

All: 16.100 ± 0.033 $\chi^2/\text{NDF}: 168090.6/70$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.595+/-0.072 χ^2/NDF : 1255.4/16

Left Out: -3.022+/-0.046 χ^2/NDF : 2853.4/18

Right Out: -1.564+/-0.067 χ^2/NDF : 1461.9/17

Left In: -2.550+/-0.042 χ^2/NDF : 2343.0/16

Left: -2.765+/-0.031 χ^2/NDF : 5254.7/35

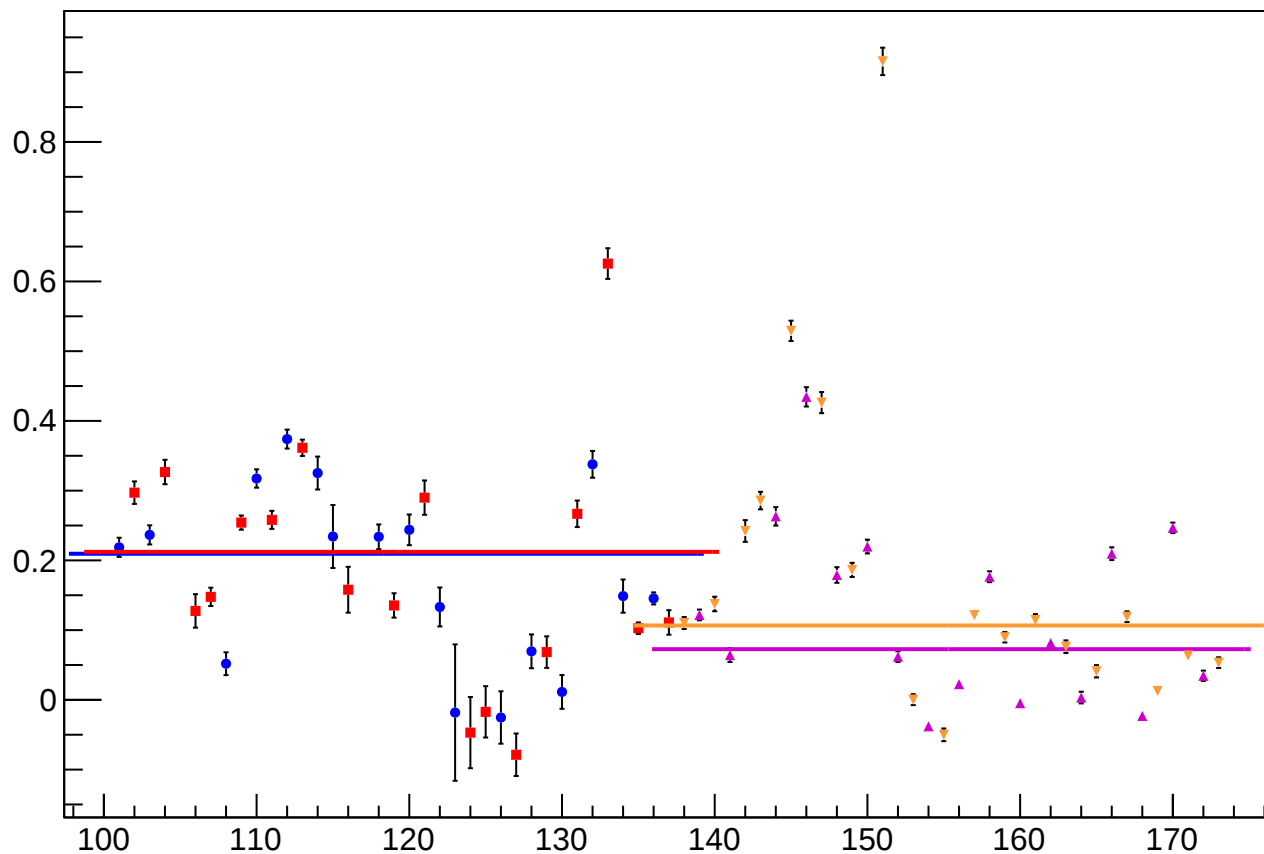
Right: -1.578+/-0.049 χ^2/NDF : 2717.4/34

In: -2.309+/-0.036 χ^2/NDF : 3731.0/33

Out: -2.560+/-0.038 χ^2/NDF : 4639.4/36

All: -2.429+/-0.026 χ^2/NDF : 8393.6/70

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.210 ± 0.004 $\chi^2/\text{NDF}: 597.7/16$

Left Out: 0.107 ± 0.002 $\chi^2/\text{NDF}: 4159.8/18$

Right Out: 0.212 ± 0.004 $\chi^2/\text{NDF}: 1096.9/17$

Left In: 0.073 ± 0.002 $\chi^2/\text{NDF}: 3249.9/16$

Left: 0.088 ± 0.001 $\chi^2/\text{NDF}: 7564.1/35$

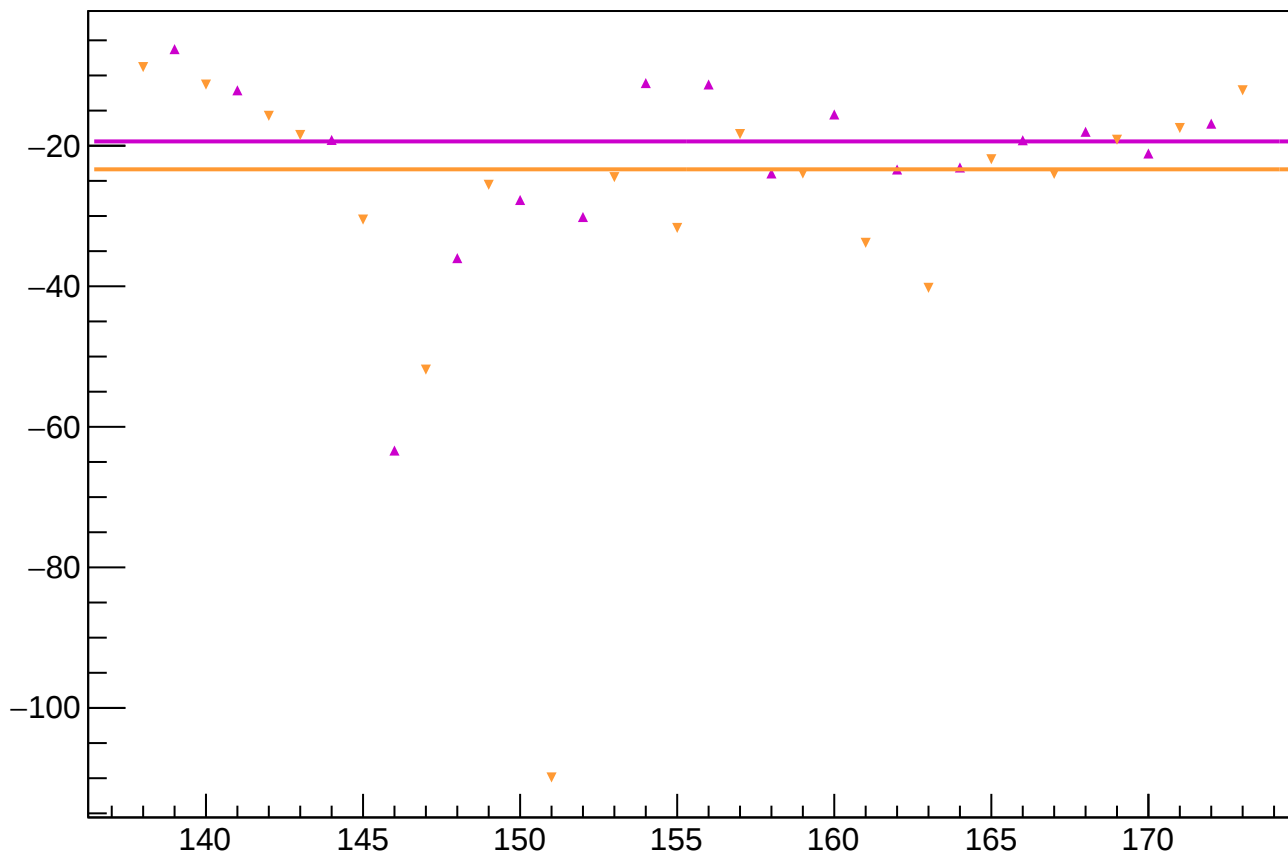
Right: 0.211 ± 0.003 $\chi^2/\text{NDF}: 1694.9/34$

In: 0.094 ± 0.002 $\chi^2/\text{NDF}: 4739.9/33$

Out: 0.131 ± 0.002 $\chi^2/\text{NDF}: 5861.6/36$

All: 0.111 ± 0.001 $\chi^2/\text{NDF}: 10822.5/70$

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: -23.357+/-0.055 χ^2/NDF : 61008.4/18

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

Left In: -19.385+/-0.051 χ^2/NDF : 37267.5/16

Left: -21.207+/-0.037 χ^2/NDF : 101104.2/35

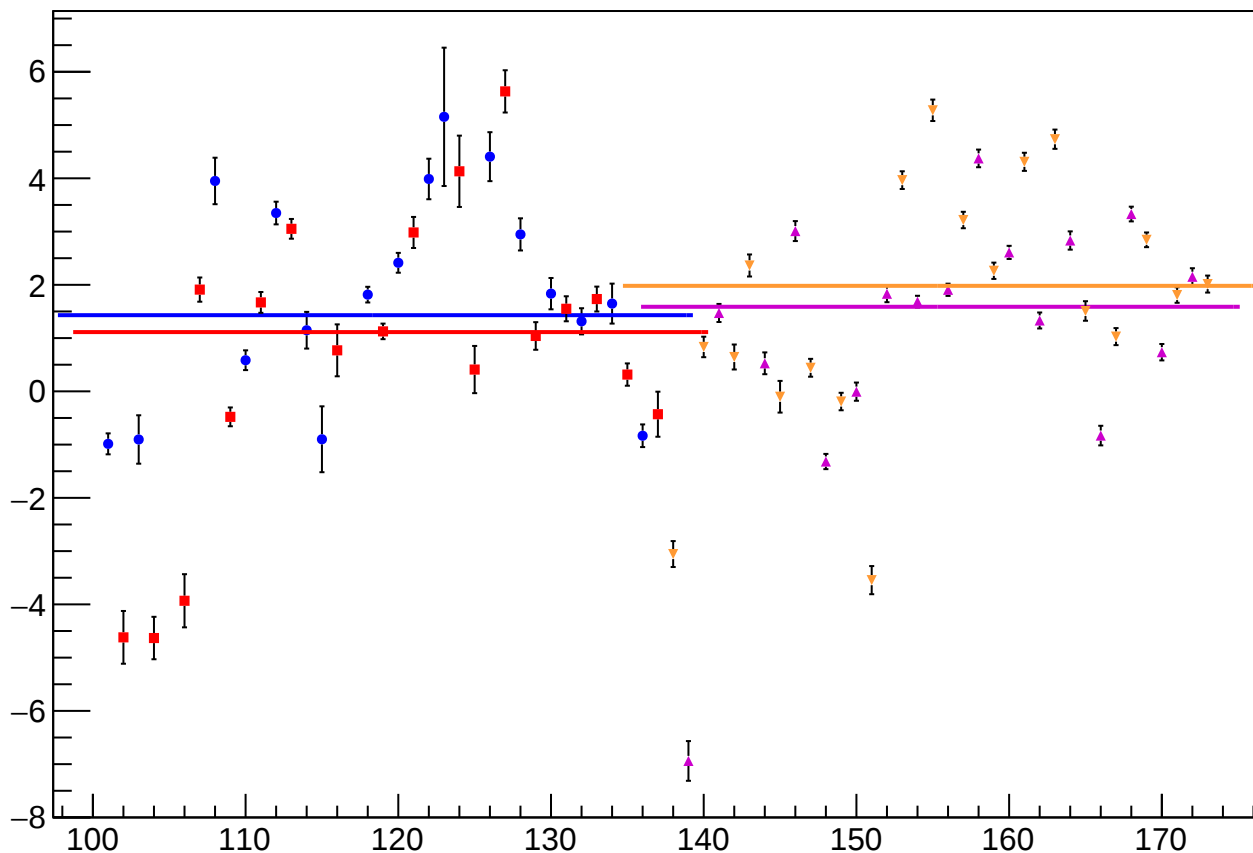
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.385+/-0.051 χ^2/NDF : 37267.5/16

Out: -23.357+/-0.055 χ^2/NDF : 61008.4/18

All: -21.207+/-0.037 χ^2/NDF : 101104.2/35

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.430 ± 0.063 χ^2/NDF : 598.0/16

Left Out: 1.981 ± 0.041 χ^2/NDF : 2225.7/18

Right Out: 1.113 ± 0.060 χ^2/NDF : 887.6/17

Left In: 1.588 ± 0.037 χ^2/NDF : 1898.4/16

Left: 1.767 ± 0.028 χ^2/NDF : 4174.7/35

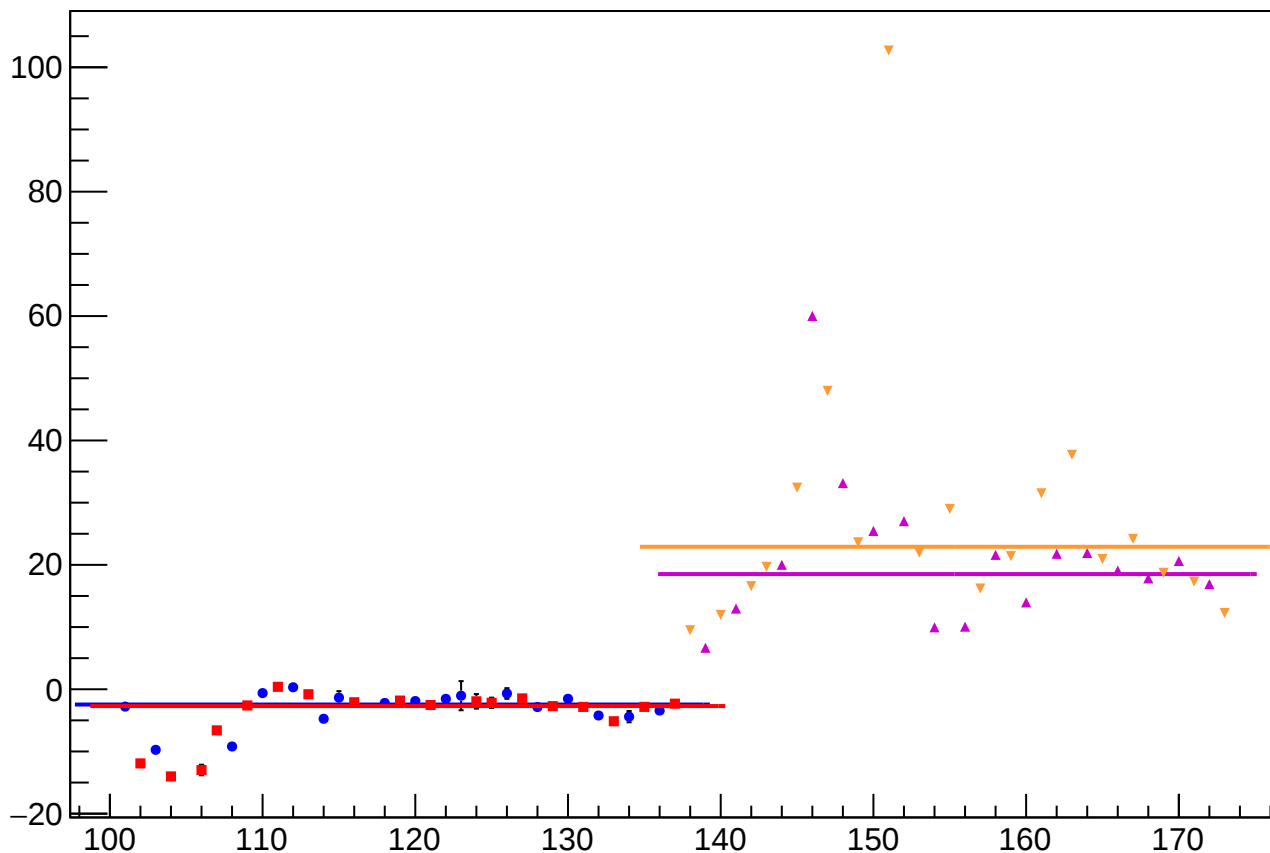
Right: 1.264 ± 0.043 χ^2/NDF : 1499.0/34

In: 1.547 ± 0.032 χ^2/NDF : 2501.1/33

Out: 1.707 ± 0.034 χ^2/NDF : 3256.5/36

All: 1.623 ± 0.023 χ^2/NDF : 5769.5/70

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.456 ± 0.115 χ^2/NDF : 419.1/16

Left Out: 22.907 ± 0.054 χ^2/NDF : 54359.1/18

Right Out: -2.700 ± 0.104 χ^2/NDF : 829.7/17

Left In: 18.520 ± 0.049 χ^2/NDF : 34974.1/16

Left: 20.498 ± 0.037 χ^2/NDF : 92903.3/35

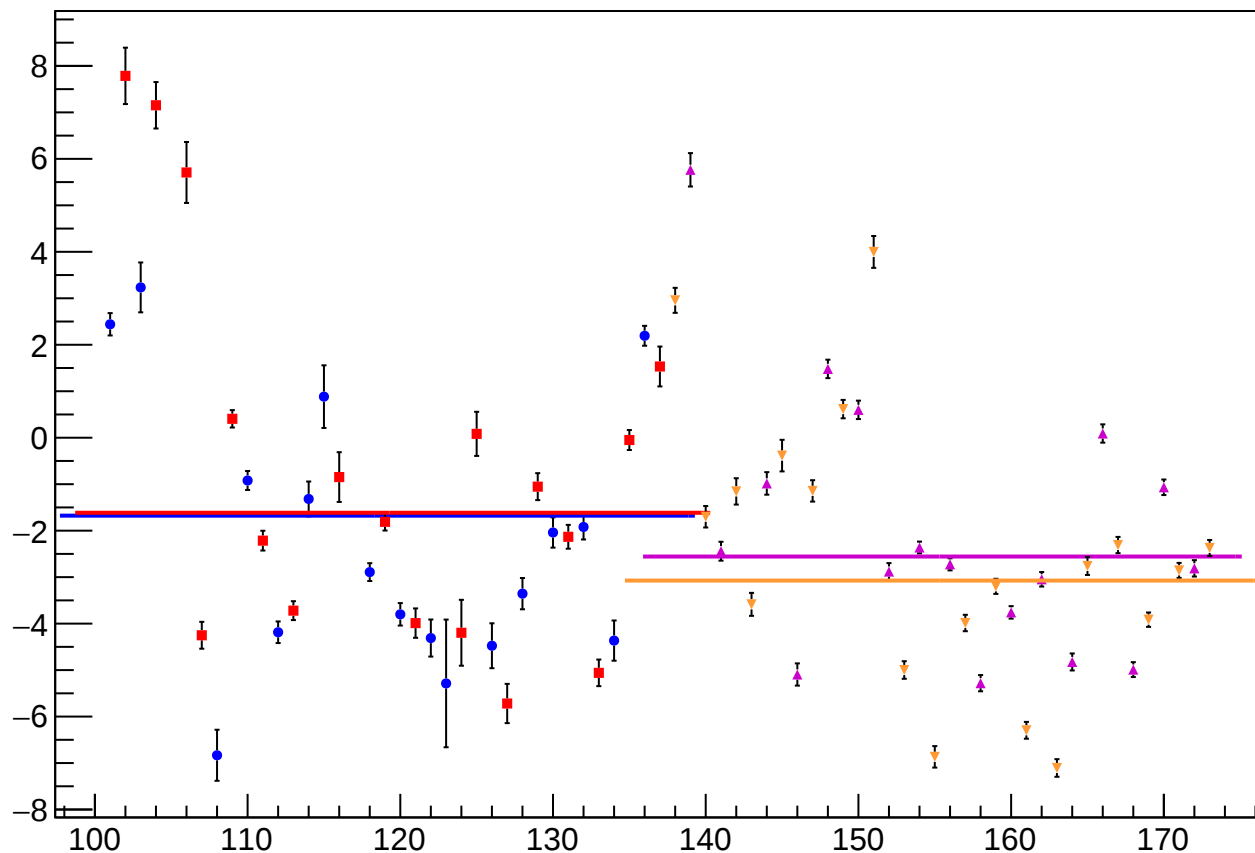
Right: -2.590 ± 0.077 χ^2/NDF : 1251.4/34

In: 15.241 ± 0.045 χ^2/NDF : 63678.6/33

Out: 17.368 ± 0.048 χ^2/NDF : 103101.2/36

All: 16.239 ± 0.033 χ^2/NDF : 167814.4/70

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.677 ± 0.072 χ^2/NDF : 1204.7/16

Left Out: -3.074 ± 0.046 χ^2/NDF : 2733.9/18

Right Out: -1.615 ± 0.068 χ^2/NDF : 1427.3/17

Left In: -2.557 ± 0.042 χ^2/NDF : 2344.8/16

Left: -2.793 ± 0.031 χ^2/NDF : 5147.1/35

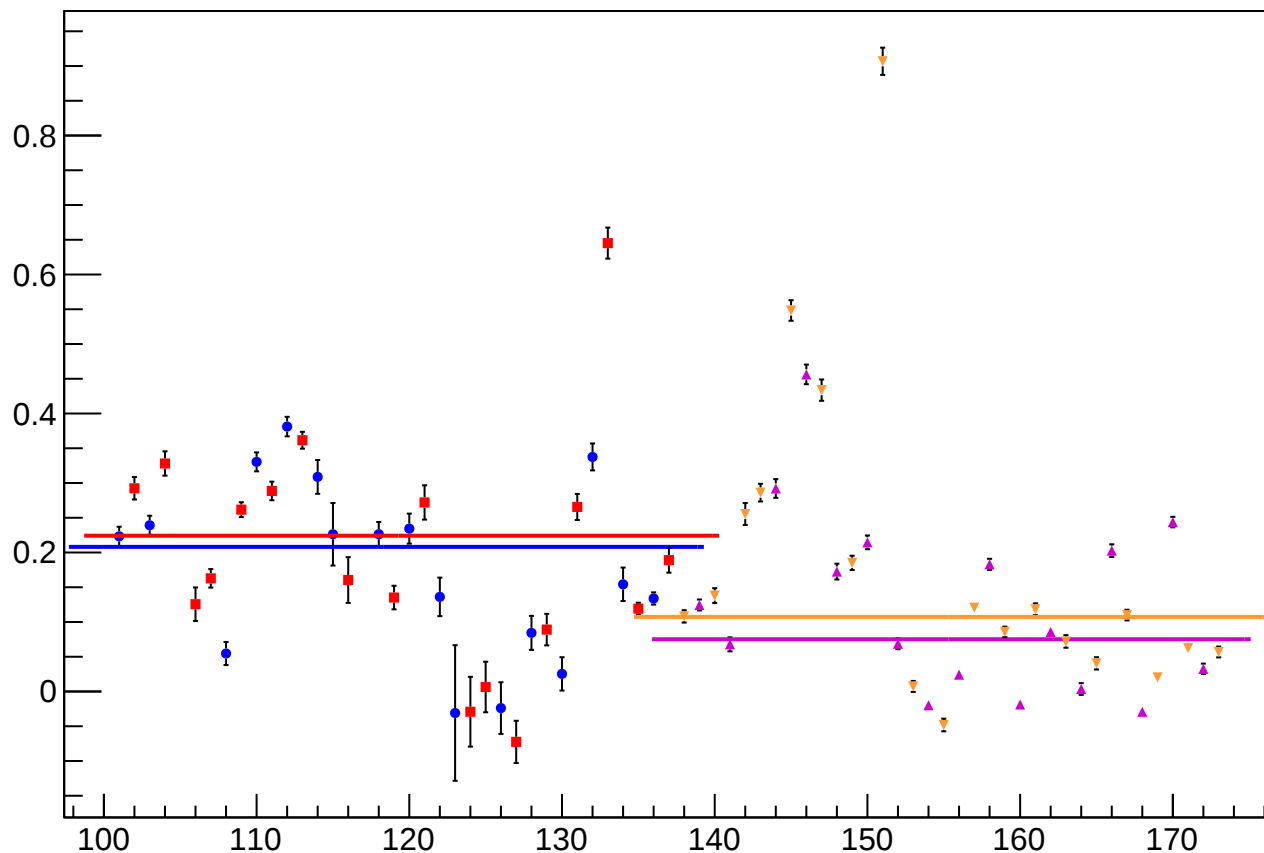
Right: -1.644 ± 0.050 χ^2/NDF : 2632.5/34

In: -2.333 ± 0.036 χ^2/NDF : 3659.6/33

Out: -2.615 ± 0.038 χ^2/NDF : 4476.8/36

All: -2.468 ± 0.026 χ^2/NDF : 8164.8/70

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.208 $\pm$ 0.004 χ^2 /NDF: 600.2/16

Left Out: 0.107 $\pm$ 0.002 χ^2 /NDF: 4130.6/18

Right Out: 0.224 $\pm$ 0.004 χ^2 /NDF: 995.8/17

Left In: 0.075 $\pm$ 0.002 χ^2 /NDF: 3225.6/16

Left: 0.089 $\pm$ 0.001 χ^2 /NDF: 7491.3/35

Right: 0.217 $\pm$ 0.003 χ^2 /NDF: 1603.8/34

In: 0.096 $\pm$ 0.002 χ^2 /NDF: 4645.5/33

Out: 0.133 $\pm$ 0.002 χ^2 /NDF: 5841.0/36

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 10712.5/70