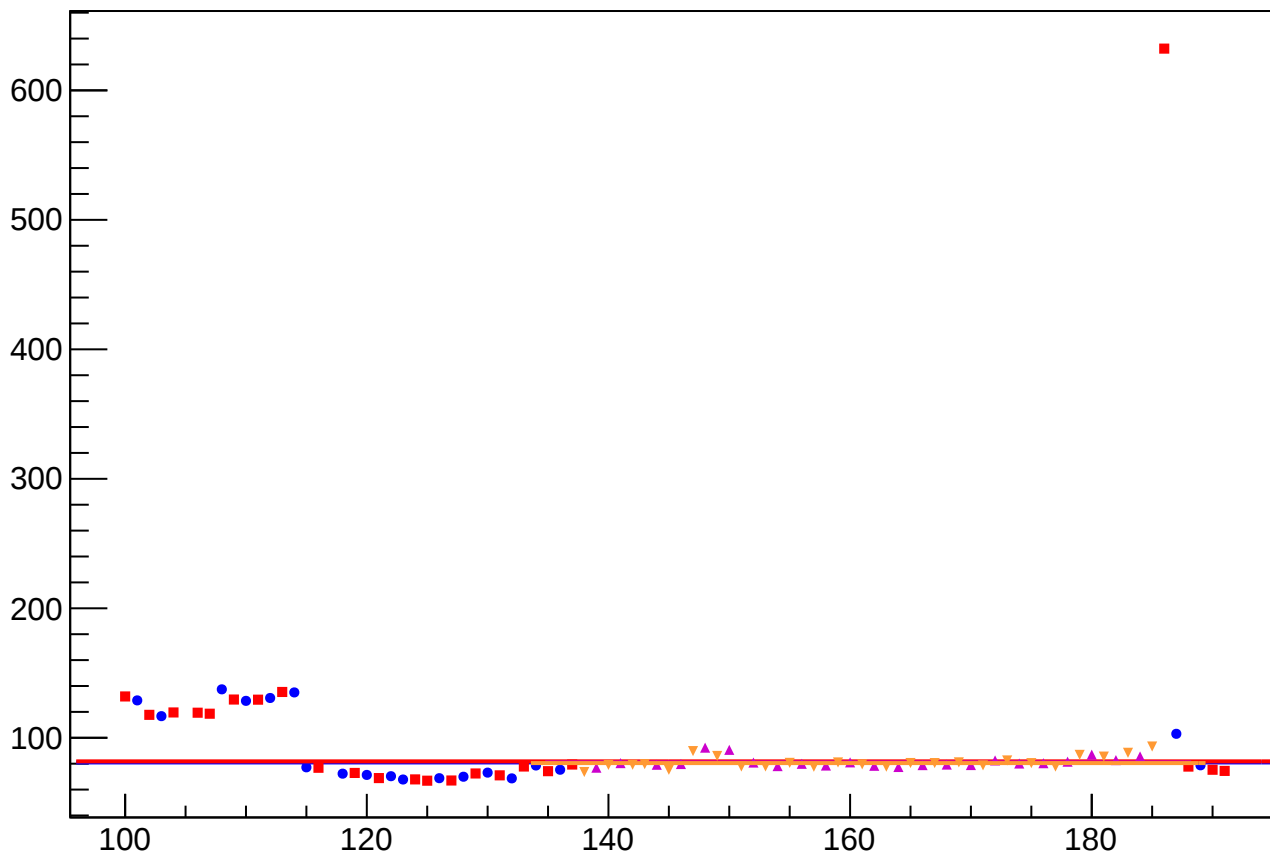


reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.950 $\pm$ 0.022 χ^2 /NDF: 822383.7/18

Left Out: 80.459 $\pm$ 0.013 χ^2 /NDF: 89942.2/24

Right Out: 81.800 $\pm$ 0.020 χ^2 /NDF: 1494352.2/22

Left In: 81.014 $\pm$ 0.014 χ^2 /NDF: 72250.2/22

Left: 80.727 $\pm$ 0.010 χ^2 /NDF: 163039.2/47

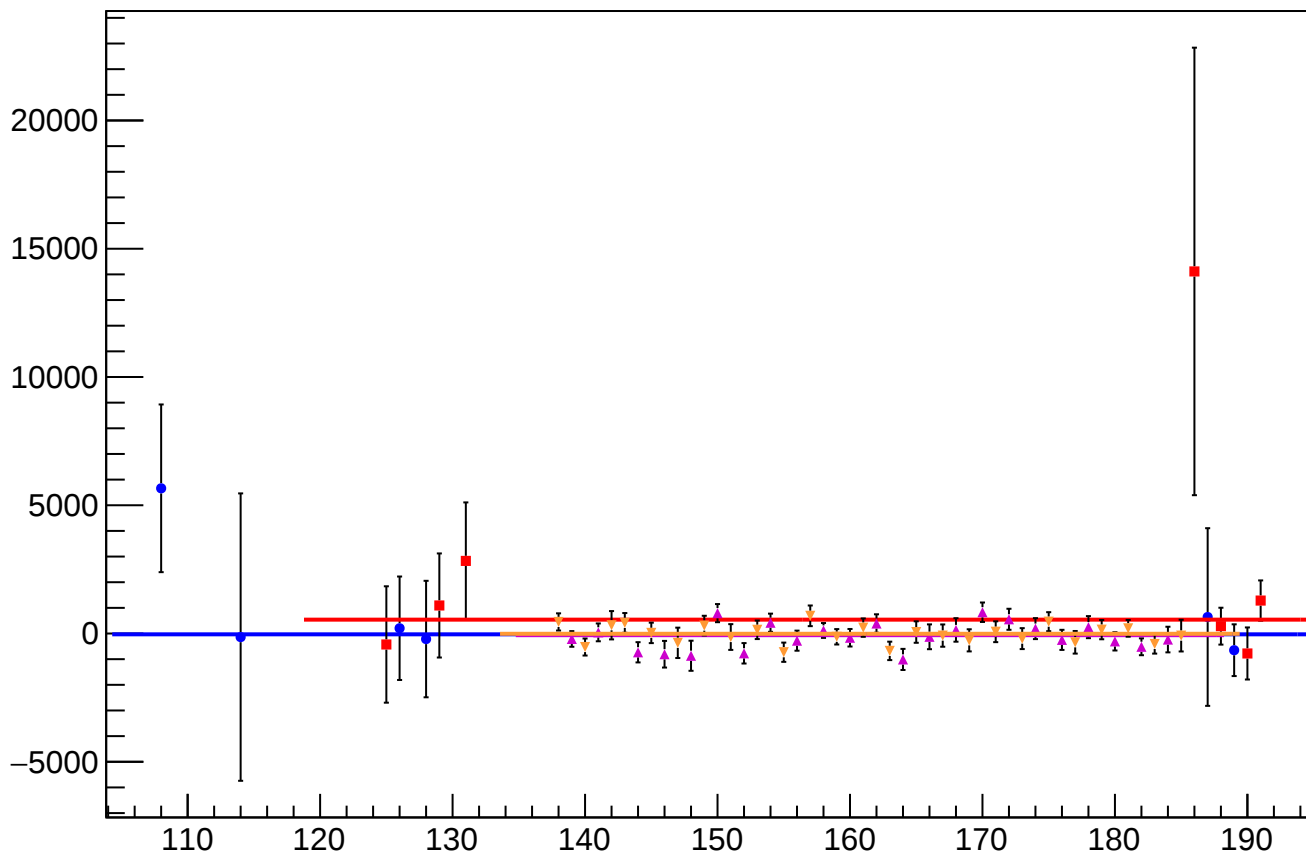
Right: 81.409 $\pm$ 0.015 χ^2 /NDF: 2317547.1/41

In: 80.996 $\pm$ 0.012 χ^2 /NDF: 894640.1/41

Out: 80.861 $\pm$ 0.011 χ^2 /NDF: 1587367.1/47

All: 80.925 $\pm$ 0.008 χ^2 /NDF: 2482077.3/89

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: -31.367 ± 782.819 χ^2/NDF : 3.5/5

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: 540.752 ± 439.711 χ^2/NDF : 6.4/6

Left In: -64.591 ± 80.047 χ^2/NDF : 37.4/22

Left: -36.973 ± 56.007 χ^2/NDF : 60.2/47

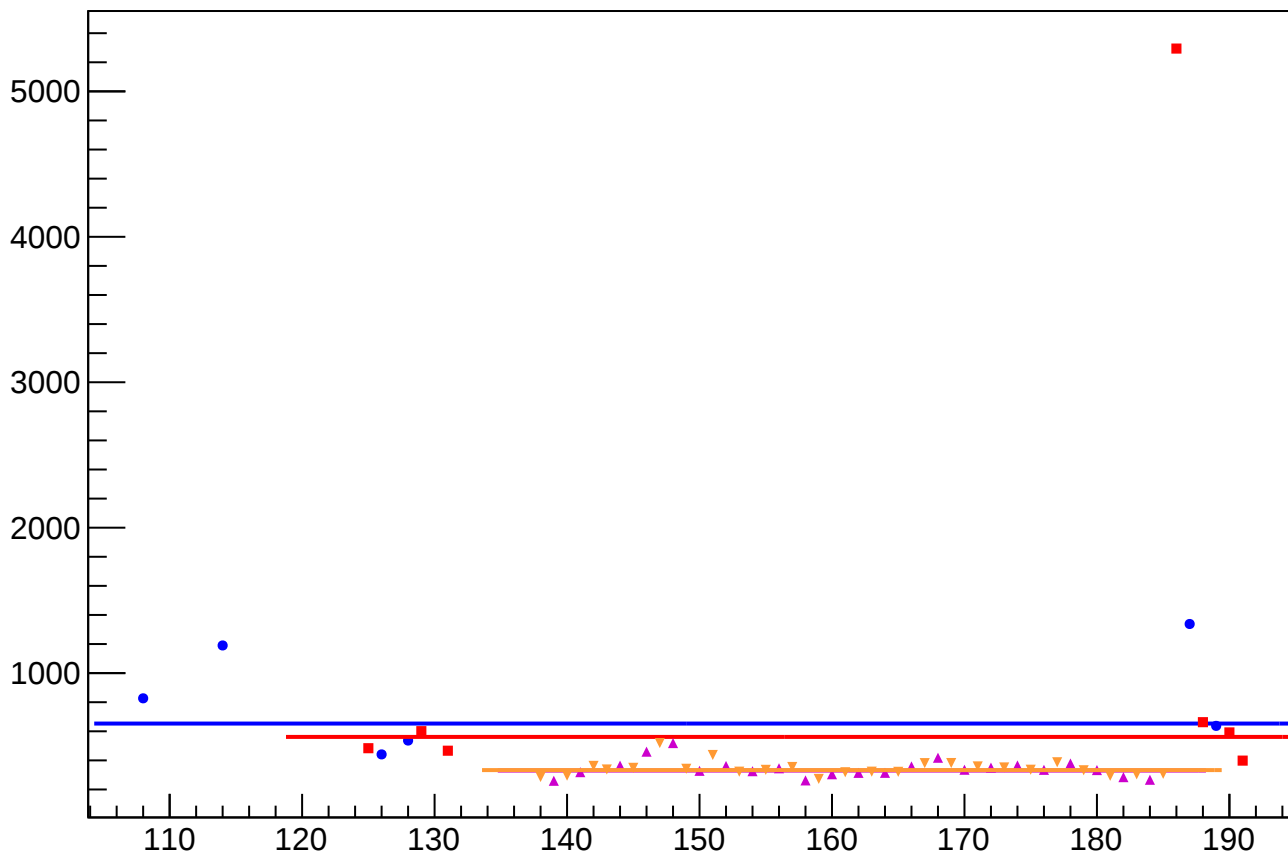
Right: 403.536 ± 383.372 χ^2/NDF : 10.3/12

In: -64.247 ± 79.631 χ^2/NDF : 40.9/28

Out: 6.494 ± 77.174 χ^2/NDF : 30.5/31

All: -27.768 ± 55.419 χ^2/NDF : 71.7/60

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 653.235 $\pm$ 0.554 χ^2 /NDF: 130092.3/5

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF:592122.2/24

Right Out: 561.413 $\pm$ 0.311 χ^2 /NDF: 723161.3/6

Left In: 329.985 $\pm$ 0.057 χ^2 /NDF:795969.0/22

Left: 331.643 $\pm$ 0.040 χ^2 /NDF: 1389771.8/47

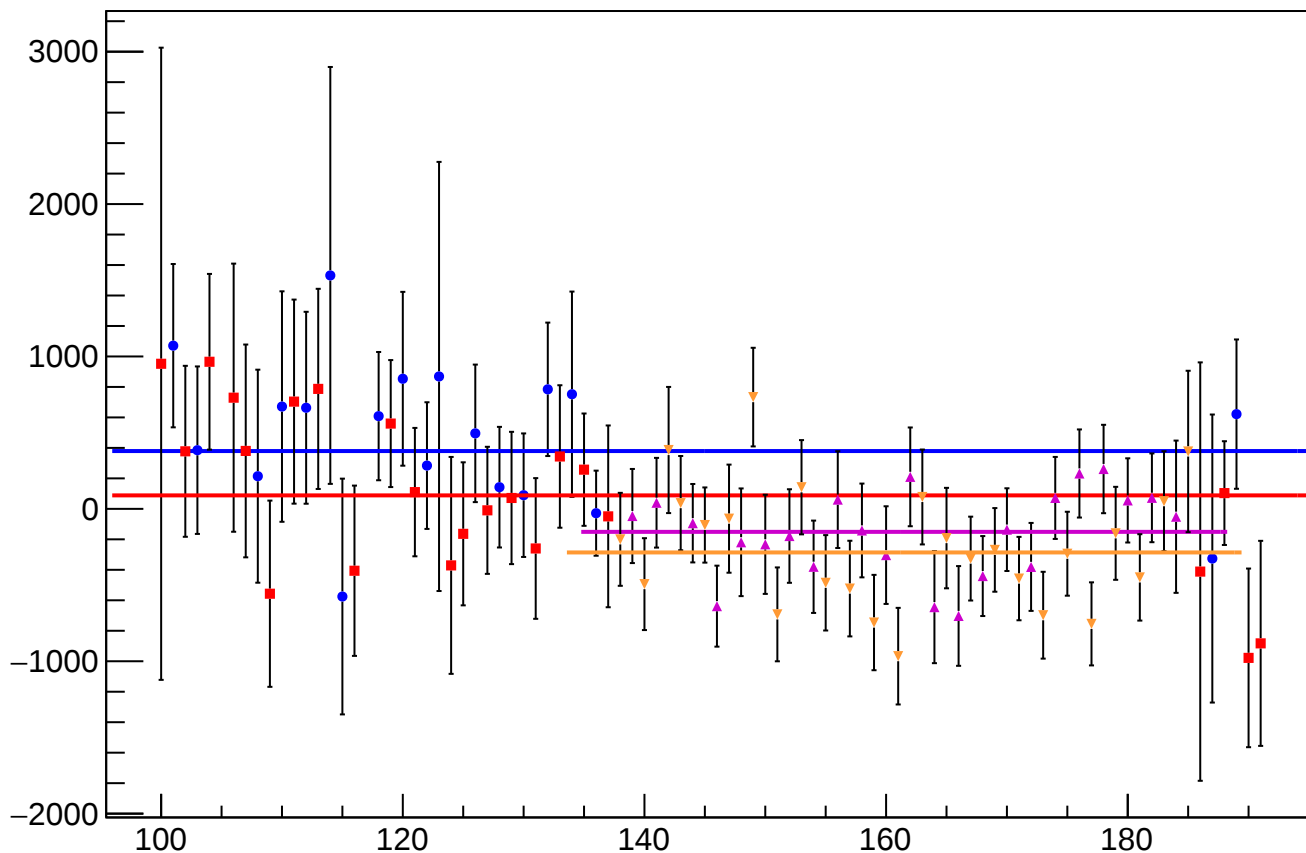
Right: 583.435 $\pm$ 0.271 χ^2 /NDF: 874170.9/12

In: 333.330 $\pm$ 0.056 χ^2 /NDF:1263554.5/28

Out: 340.262 $\pm$ 0.055 χ^2 /NDF:1837270.7/31

All: 336.905 $\pm$ 0.039 χ^2 /NDF: 3108639.8/60

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 379.312 $\pm$ 116.834 χ^2 /NDF: 10.5/18

Left Out: -286.030 $\pm$ 61.095 χ^2 /NDF:36.6/24

Right Out: 88.391 $\pm$ 109.840 χ^2 /NDF: 16.0/22

Left In: -150.920 $\pm$ 62.818 χ^2 /NDF:18.7/22

Left: -220.353 $\pm$ 43.797 χ^2 /NDF: 57.6/47

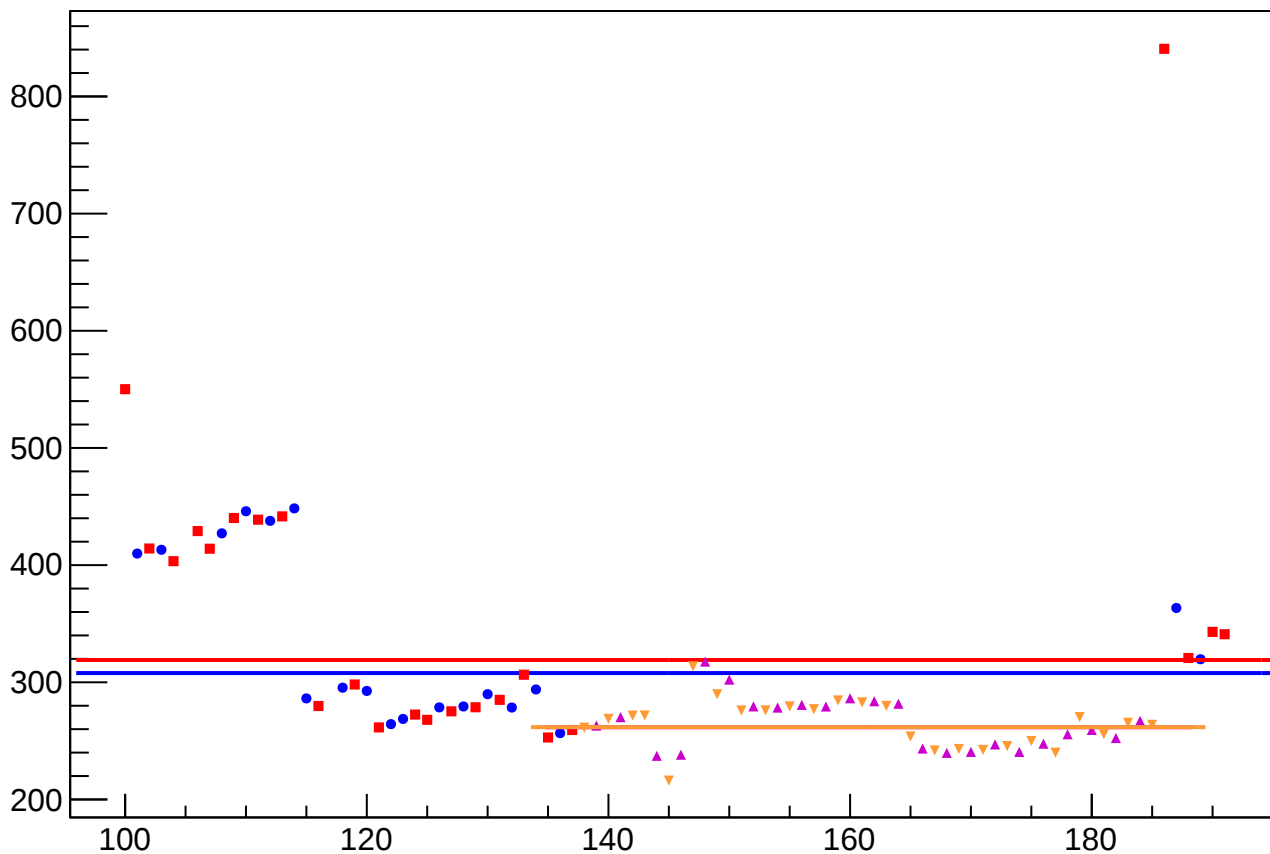
Right: 224.884 $\pm$ 80.027 χ^2 /NDF: 29.8/41

In: -32.012 $\pm$ 55.328 χ^2 /NDF:45.2/41

Out: -197.563 $\pm$ 53.391 χ^2 /NDF:61.5/47

All: -117.735 $\pm$ 38.420 χ^2 /NDF: 111.3/89

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 307.880+/-0.083 χ^2/NDF : 513528.6/18

Left Out: 261.722+/-0.043 χ^2/NDF : 233222.6/24

Right Out: 319.040+/-0.078 χ^2/NDF : 920706.9/22

Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

Left: 261.680+/-0.031 χ^2/NDF : 461465.7/47

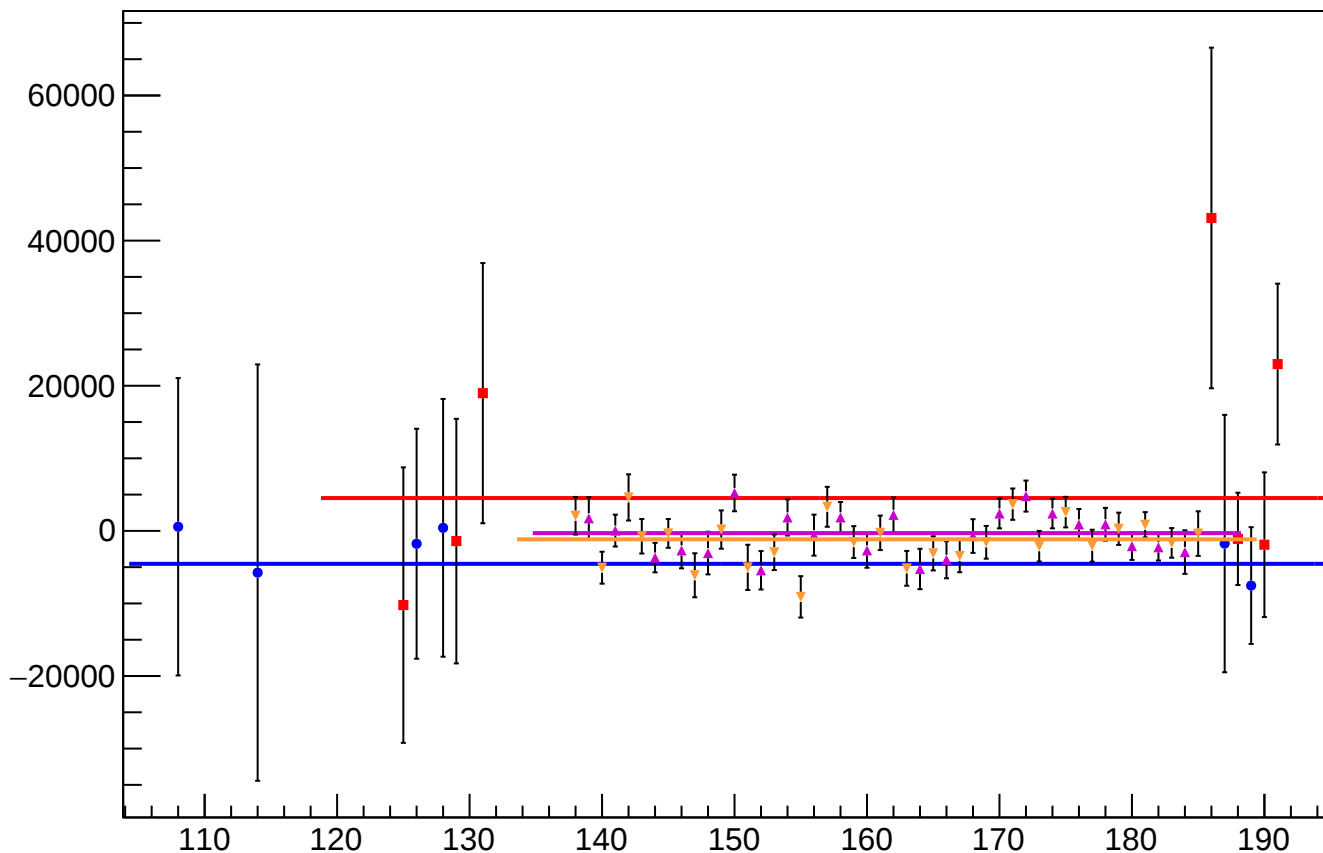
Right: 313.804+/-0.057 χ^2/NDF : 1443921.9/41

In: 272.007+/-0.039 χ^2/NDF : 984823.9/41

Out: 275.264+/-0.038 χ^2/NDF : 1569866.2/47

All: 273.694+/-0.027 χ^2/NDF : 2558280.5/89

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -4539.787 $\pm$ 5834.078 χ^2 /NDF: 0.3/5

Left Out: -1161.443 $\pm$ 469.036 χ^2 /NDF:38.8/24

Right Out: 4521.448 $\pm$ 4298.026 χ^2 /NDF: 8.1/6

Left In: -304.366 $\pm$ 483.778 χ^2 /NDF:35.4/22

Left: -746.162 $\pm$ 336.750 χ^2 /NDF: 75.7/47

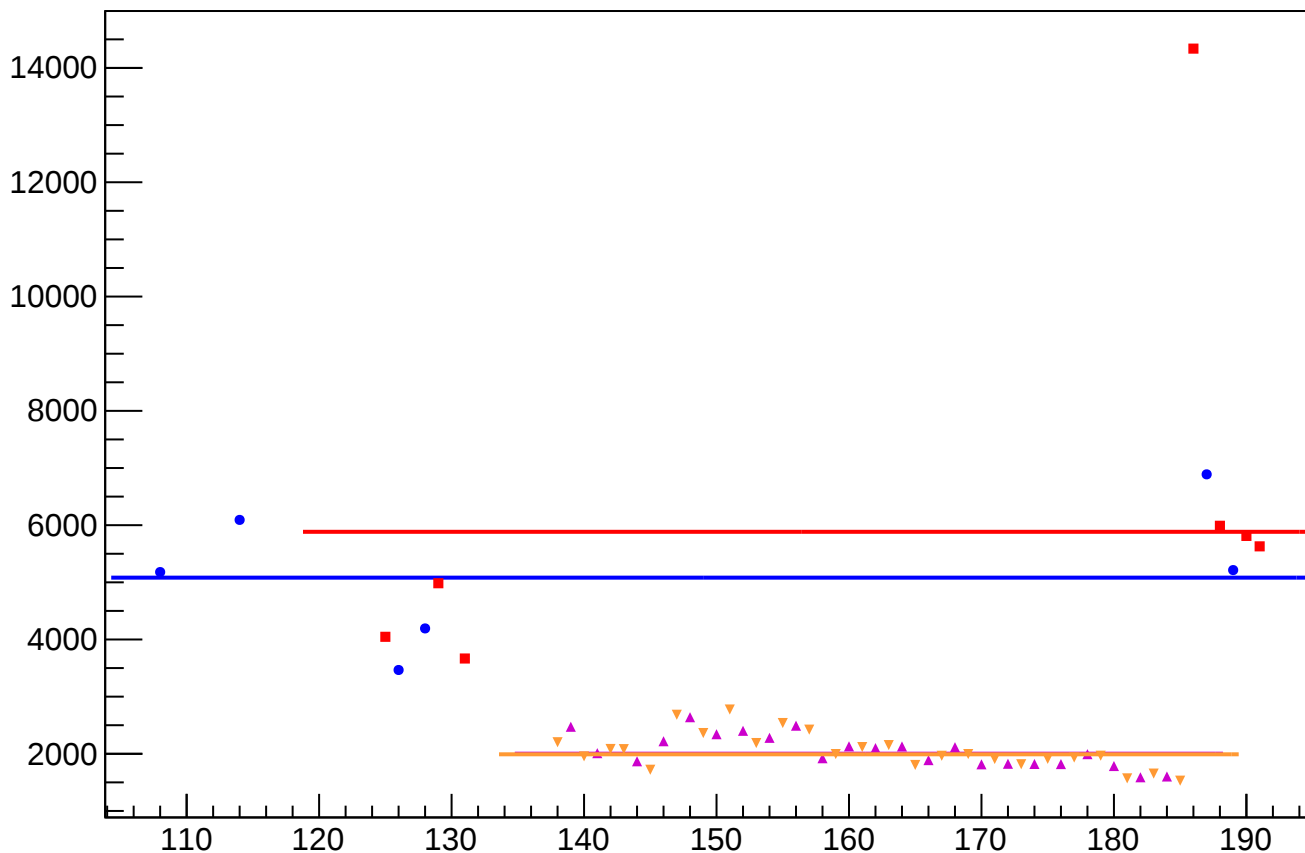
Right: 1333.673 $\pm$ 3460.369 χ^2 /NDF: 10.0/12

In: -333.291 $\pm$ 482.124 χ^2 /NDF:36.2/28

Out: -1094.562 $\pm$ 466.268 χ^2 /NDF:48.5/31

All: -726.650 $\pm$ 335.167 χ^2 /NDF: 86.1/60

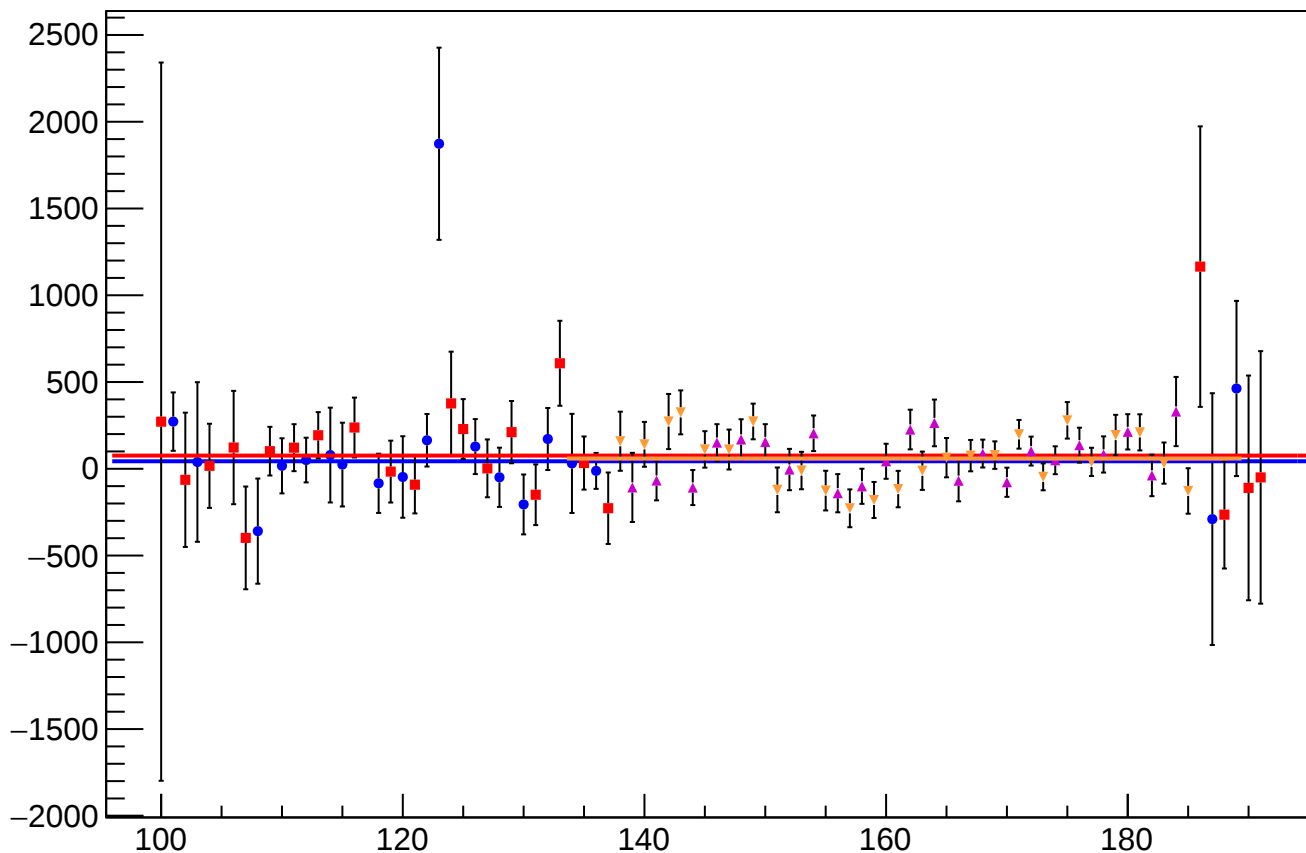
asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 5082.078 $\pm$ 4.125 χ^2 /NDF: 49639.0/5
 Left Out: 1991.105 $\pm$ 0.332 χ^2 /NDF: 726310.6/24
 Right Out: 5884.067 $\pm$ 3.039 χ^2 /NDF: 316257.6/6
 Left In: 2002.154 $\pm$ 0.342 χ^2 /NDF: 585947.4/22

Left: 1996.458 $\pm$ 0.238 χ^2 /NDF: 1312795.7/47
 Right: 5601.925 $\pm$ 2.447 χ^2 /NDF: 390394.5/12
 In: 2023.187 $\pm$ 0.341 χ^2 /NDF: 1189178.0/28
 Out: 2036.920 $\pm$ 0.330 χ^2 /NDF: 2664045.4/31
 All: 2030.283 $\pm$ 0.237 χ^2 /NDF: 3854061.9/60

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 43.372 $\pm$ 43.393 χ^2 /NDF: 20.3/18

Left Out: 58.983 $\pm$ 21.137 χ^2 /NDF:46.9/24

Right Out: 76.049 $\pm$ 42.574 χ^2 /NDF: 20.2/22

Left In: 59.235 $\pm$ 21.921 χ^2 /NDF:29.4/22

Left: 59.104 $\pm$ 15.216 χ^2 /NDF: 76.3/47

Right: 60.021 $\pm$ 30.390 χ^2 /NDF: 40.8/41

In: 56.009 $\pm$ 19.566 χ^2 /NDF:49.8/41

Out: 62.357 $\pm$ 18.932 χ^2 /NDF:67.3/47

All: 59.288 $\pm$ 13.606 χ^2 /NDF: 117.1/89

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 109.483 $\pm$ 0.031 χ^2 /NDF: 1336088.9/18

Left Out: 88.748 $\pm$ 0.015 χ^2 /NDF:1079338.8/24

Right Out: 114.972 $\pm$ 0.030 χ^2 /NDF: 2593780.6/22

Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

Left: 89.238 $\pm$ 0.011 χ^2 /NDF: 1967390.0/47

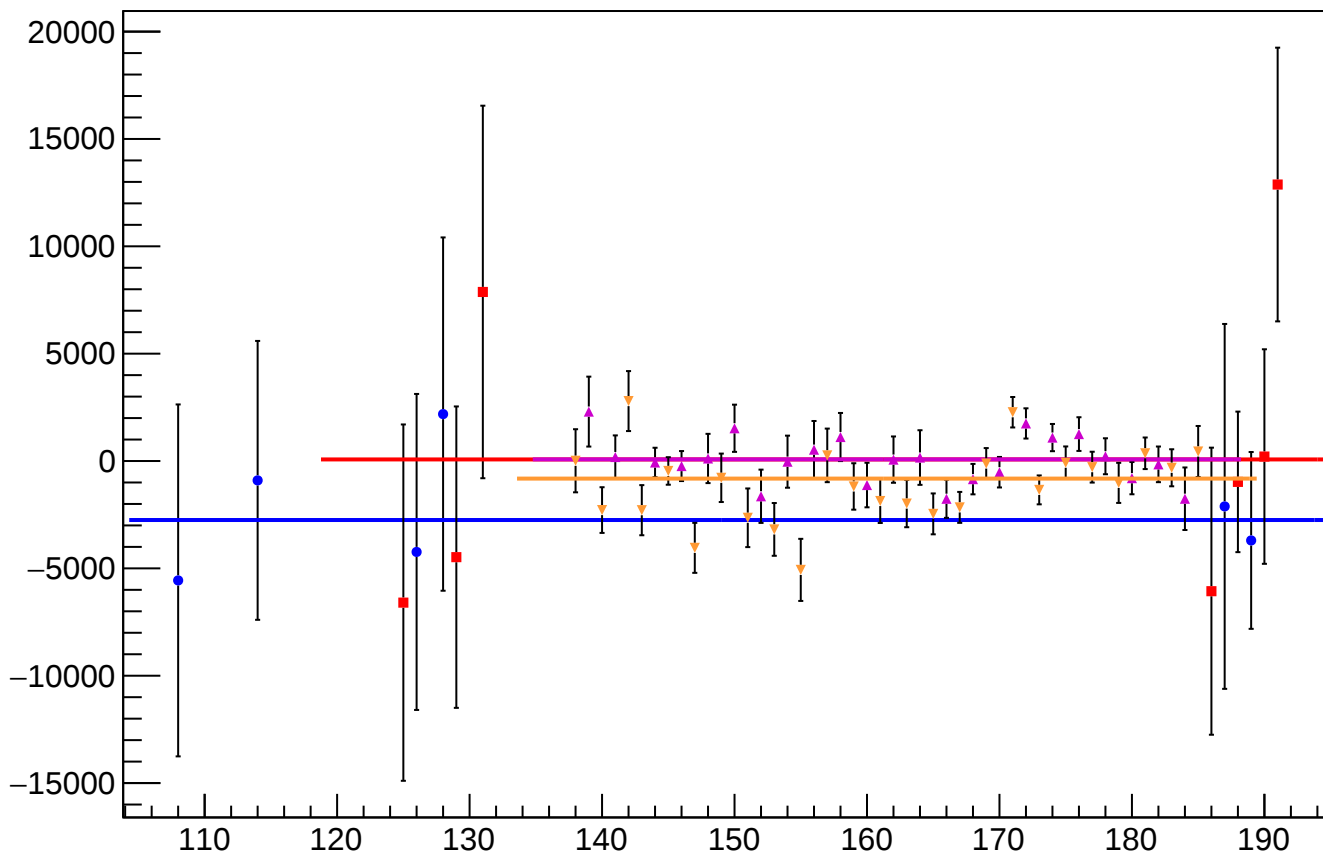
Right: 112.280 $\pm$ 0.021 χ^2 /NDF: 3946176.4/41

In: 93.775 $\pm$ 0.014 χ^2 /NDF:2550891.9/41

Out: 93.934 $\pm$ 0.013 χ^2 /NDF:4281886.1/47

All: 93.857 $\pm$ 0.010 χ^2 /NDF: 6832846.6/89

asym_sam3_correction_mean vs Slug, Sign Corrected



Left: -376.610 $\pm$ 131.202 χ^2/NDF : 108.1/47

Right: -1020.082 $\pm$ 1637.024 χ^2/NDF : 8.2/12

In: 62.043 $\pm$ 186.182 χ^2/NDF : 30.1/28

Out: -811.990 $\pm$ 183.751 χ^2/NDF : 75.3/31

All: -380.717 $\pm$ 130.783 χ^2/NDF : 116.5/60

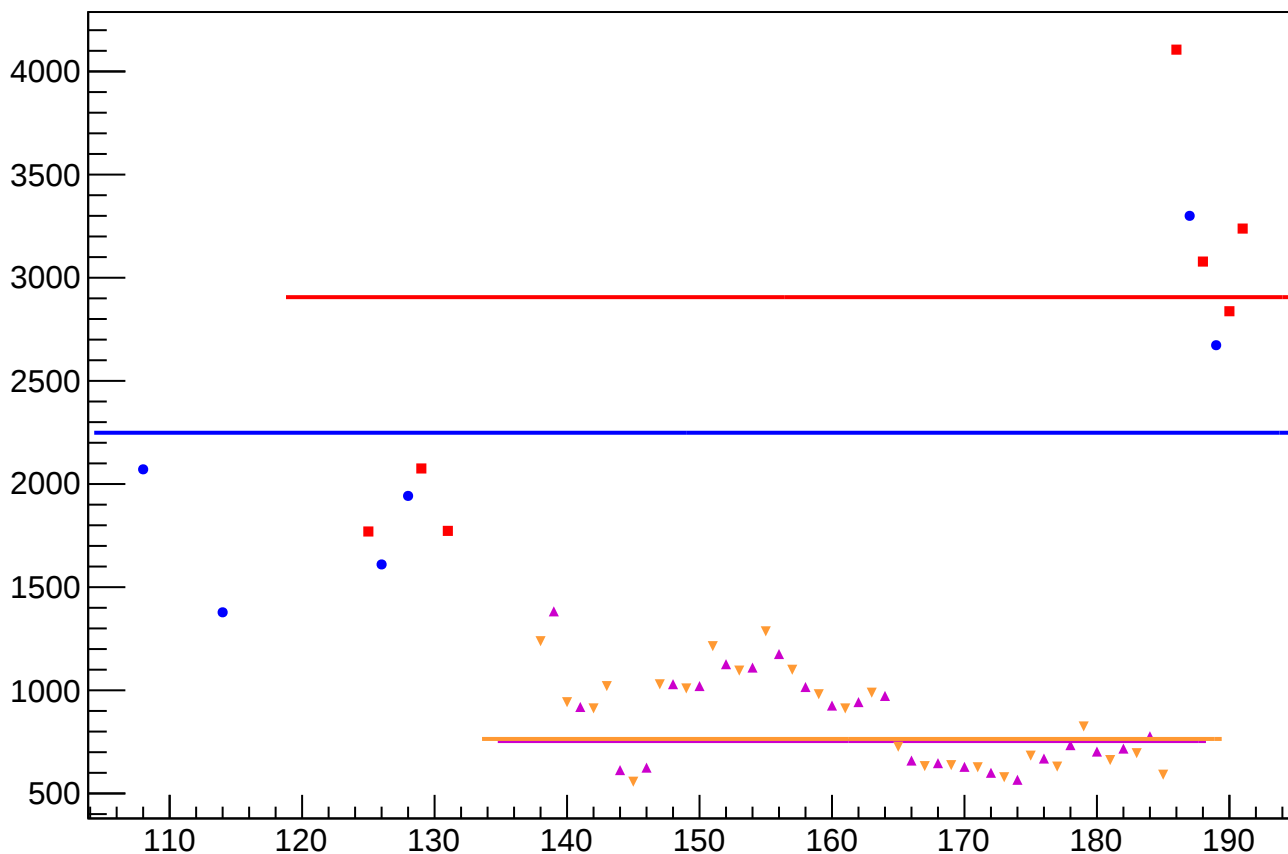
Right In: -2748.005 $\pm$ 2629.321 χ^2/NDF : 0.7/5

Left Out: -818.877 $\pm$ 184.464 χ^2/NDF : 68.2/24

Right Out: 73.715 $\pm$ 2091.943 χ^2/NDF : 6.9/6

Left In: 76.204 $\pm$ 186.651 χ^2/NDF : 28.3/22

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 2248.591+/-1.859 χ^2/NDF : 106546.6/5

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 2905.848+/-1.479 χ^2/NDF : 175367.6/6

Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

Left: 759.214+/-0.093 χ^2/NDF : 4332425.4/47

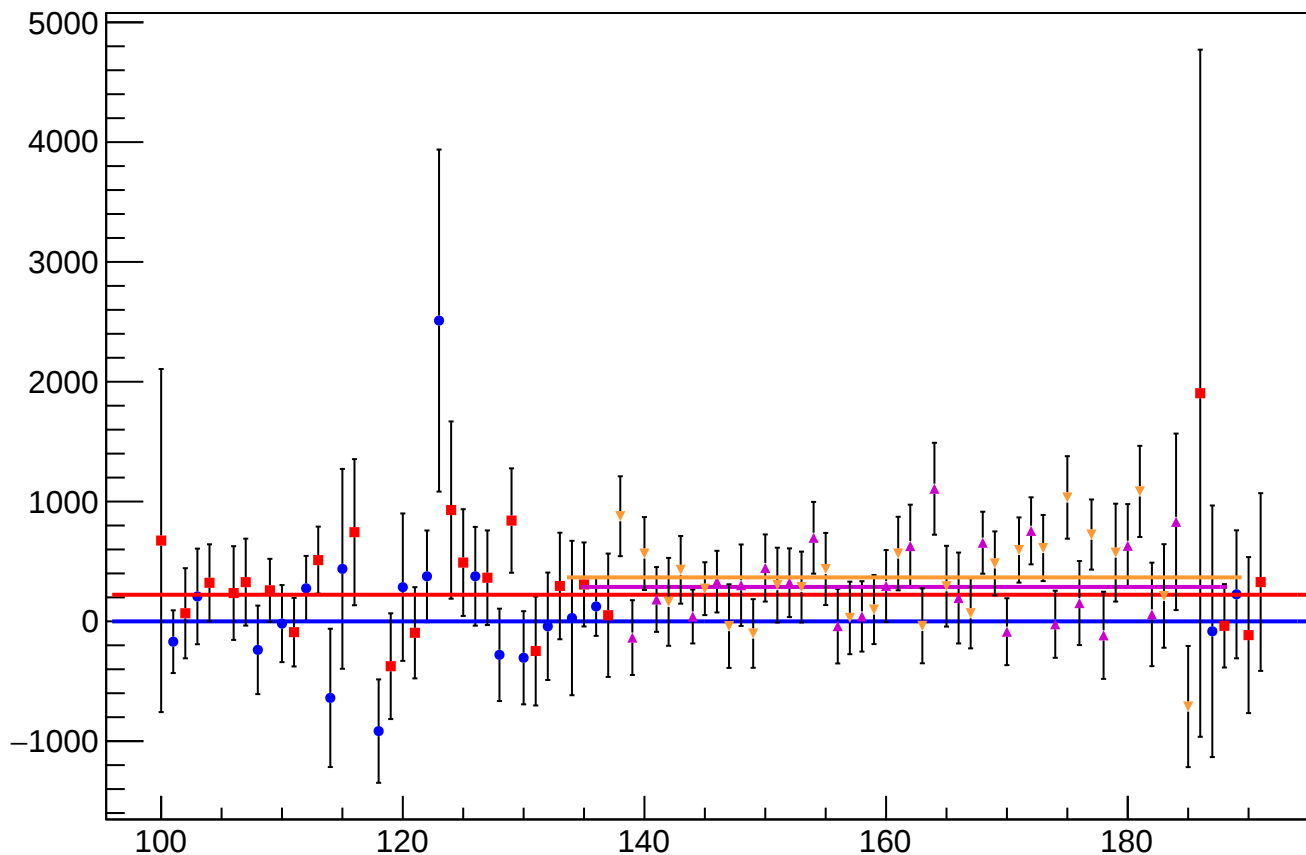
Right: 2651.072+/-1.158 χ^2/NDF : 358442.7/12

In: 761.520+/-0.132 χ^2/NDF : 2762900.0/28

Out: 780.803+/-0.130 χ^2/NDF : 4571195.4/31

All: 771.288+/-0.092 χ^2/NDF : 7344962.4/60

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -0.242 ± 91.712 $\chi^2/\text{NDF}: 14.9/18$

Left Out: 367.028 ± 61.943 $\chi^2/\text{NDF}: 28.2/24$

Right Out: 222.072 ± 84.970 $\chi^2/\text{NDF}: 11.9/22$

Left In: 287.246 ± 64.141 $\chi^2/\text{NDF}: 23.9/22$

Left: 328.527 ± 44.557 $\chi^2/\text{NDF}: 52.9/47$

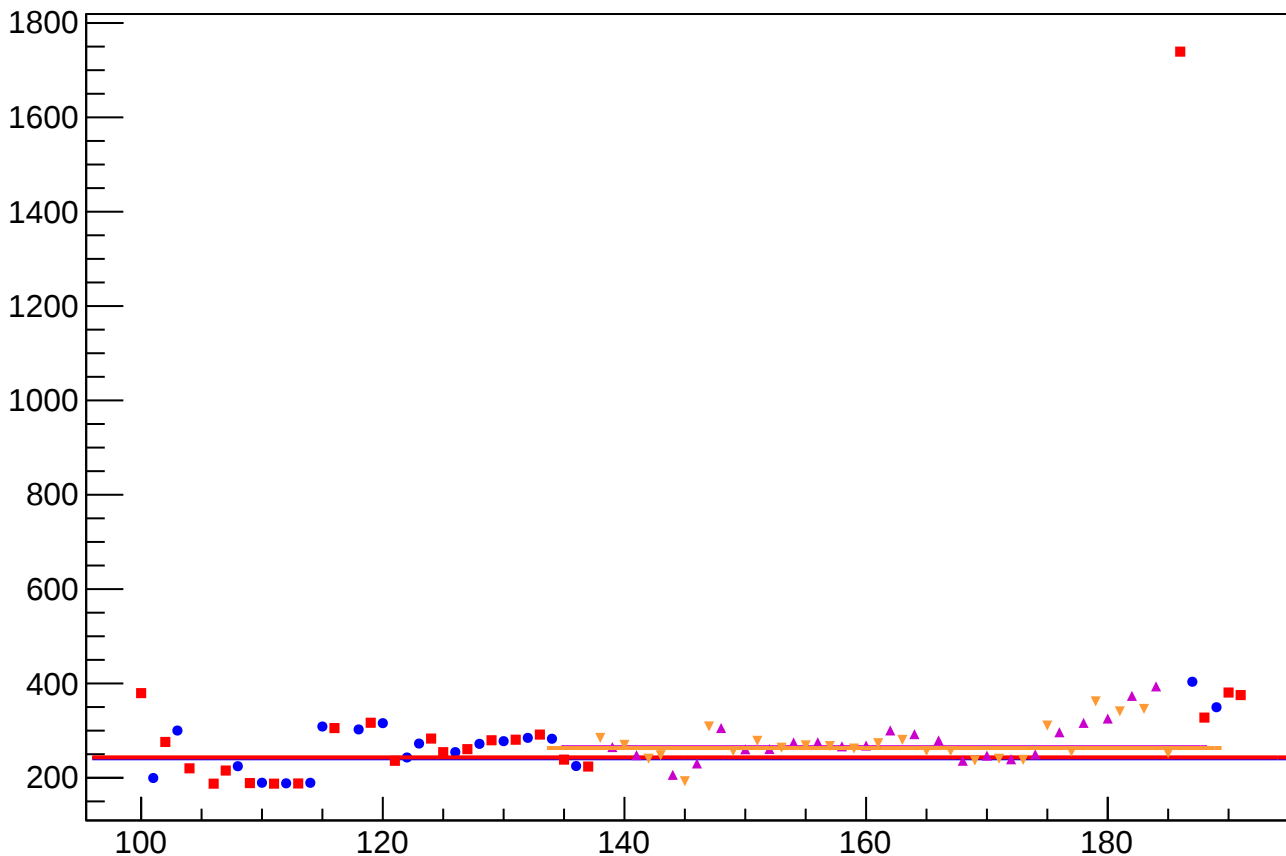
Right: 119.386 ± 62.330 $\chi^2/\text{NDF}: 29.9/41$

In: 192.817 ± 52.562 $\chi^2/\text{NDF}: 45.3/41$

Out: 316.725 ± 50.055 $\chi^2/\text{NDF}: 42.0/47$

All: 257.796 ± 36.248 $\chi^2/\text{NDF}: 90.2/89$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 241.348+/-0.065 χ^2/NDF : 524742.0/18

Left Out: 263.103+/-0.044 χ^2/NDF : 642226.0/24

Right Out: 243.313+/-0.060 χ^2/NDF : 1292617.9/22

Left In: 264.923+/-0.045 χ^2/NDF : 609024.7/22

Left: 263.981+/-0.032 χ^2/NDF : 1252084.1/47

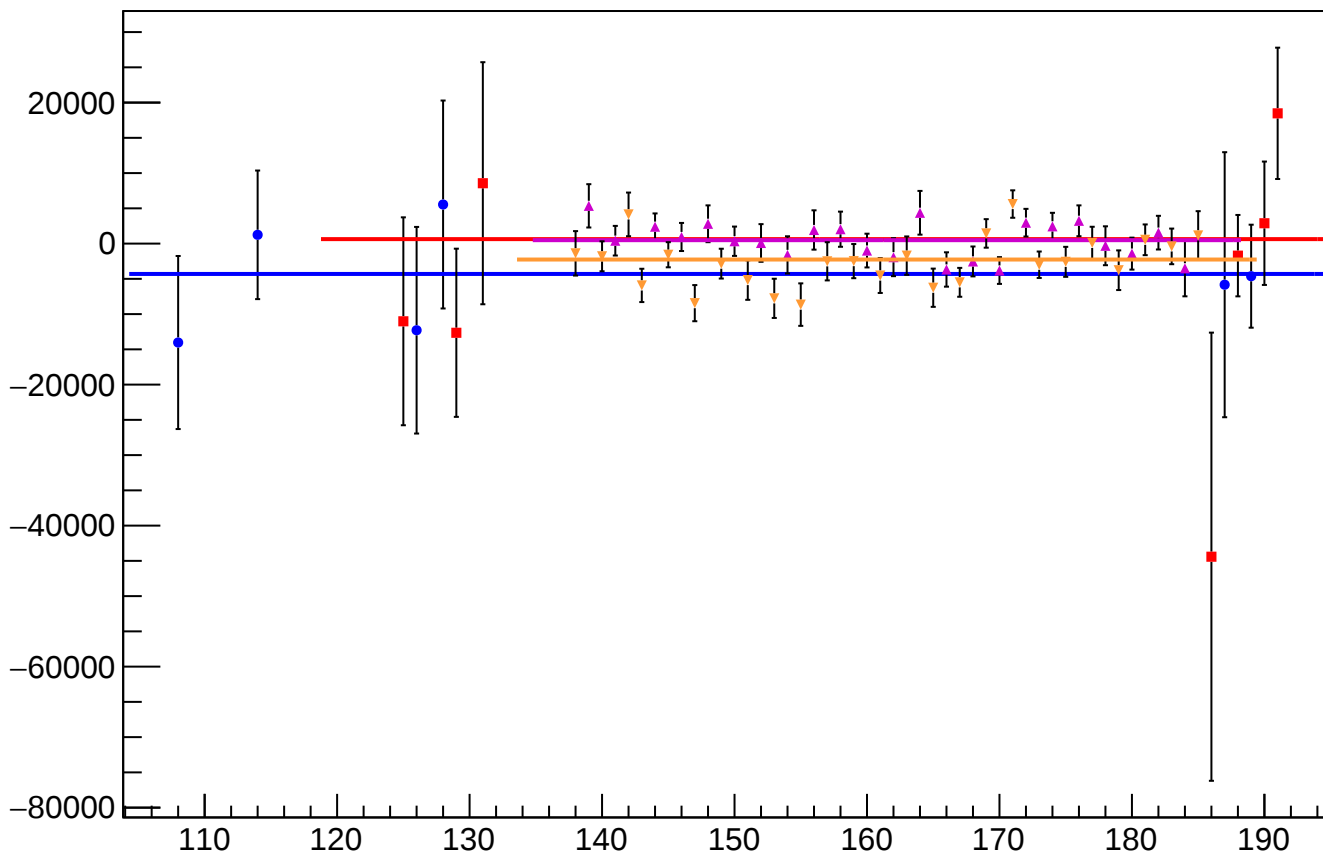
Right: 242.405+/-0.044 χ^2/NDF : 1817854.1/41

In: 257.179+/-0.037 χ^2/NDF : 1222515.1/41

Out: 256.235+/-0.035 χ^2/NDF : 2005684.7/47

All: 256.684+/-0.026 χ^2/NDF : 3228538.2/89

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -4305.651+/-4494.661 χ^2/NDF : 1.7/5

Left Out: -2260.196+/-475.336 χ^2/NDF :52.3/24

Right Out: 634.807+/-3763.167 χ^2/NDF : 8.0/6

Left In: 485.590+/-487.465 χ^2/NDF :24.8/22

Left: -921.890+/-340.321 χ^2/NDF : 93.4/47

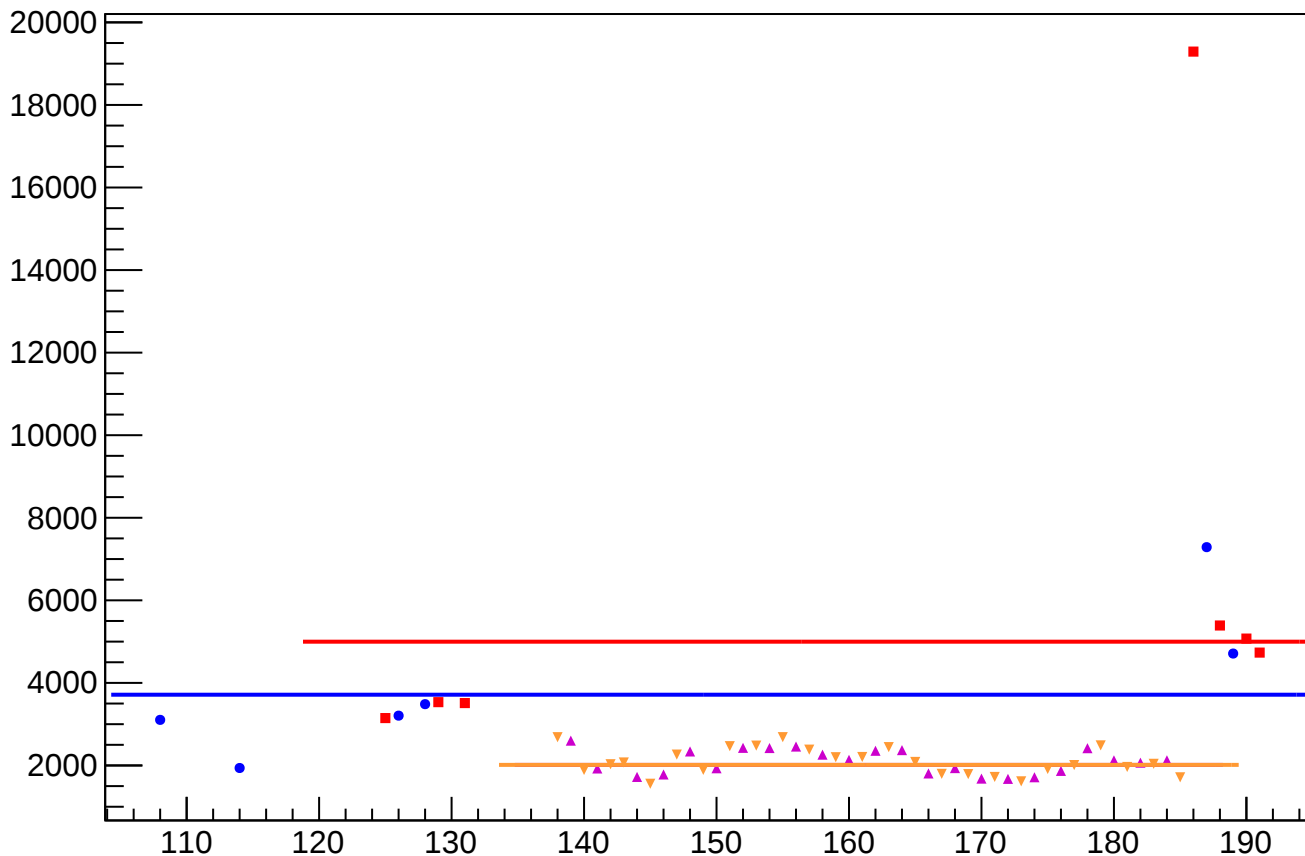
Right: -1401.194+/-2885.375 χ^2/NDF : 10.4/12

In: 429.889+/-484.624 χ^2/NDF :27.6/28

Out: -2214.732+/-471.588 χ^2/NDF :60.9/31

All: -928.467+/-337.978 χ^2/NDF : 103.8/60

asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 3713.848+/-3.178 χ^2/NDF : 193206.0/5

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4998.286+/-2.661 χ^2/NDF : 492167.4/6

Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

Left: 2013.686+/-0.241 χ^2/NDF : 1497737.9/47

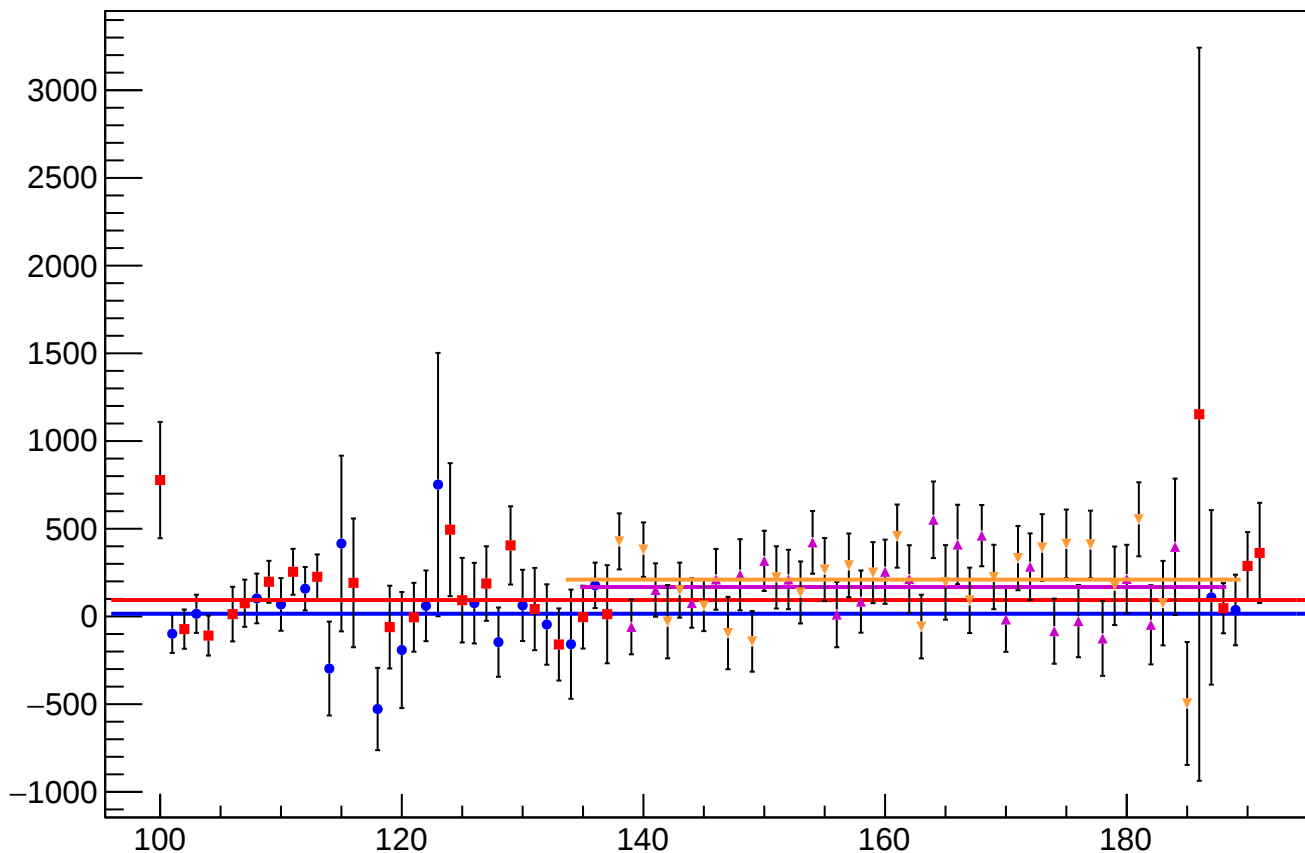
Right: 4468.959+/-2.040 χ^2/NDF : 781393.1/12

In: 2033.016+/-0.343 χ^2/NDF : 1138268.5/28

Out: 2060.970+/-0.333 χ^2/NDF : 2565761.9/31

All: 2047.374+/-0.239 χ^2/NDF : 3707448.4/60

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 15.478 $\pm$ 41.313 χ^2/NDF : 14.5/18

Left Out: 210.086 $\pm$ 37.093 χ^2/NDF : 27.5/24

Right Out: 93.504 $\pm$ 36.653 χ^2/NDF : 21.5/22

Left In: 167.822 $\pm$ 38.718 χ^2/NDF : 21.1/22

Left: 189.859 $\pm$ 26.785 χ^2/NDF : 49.3/47

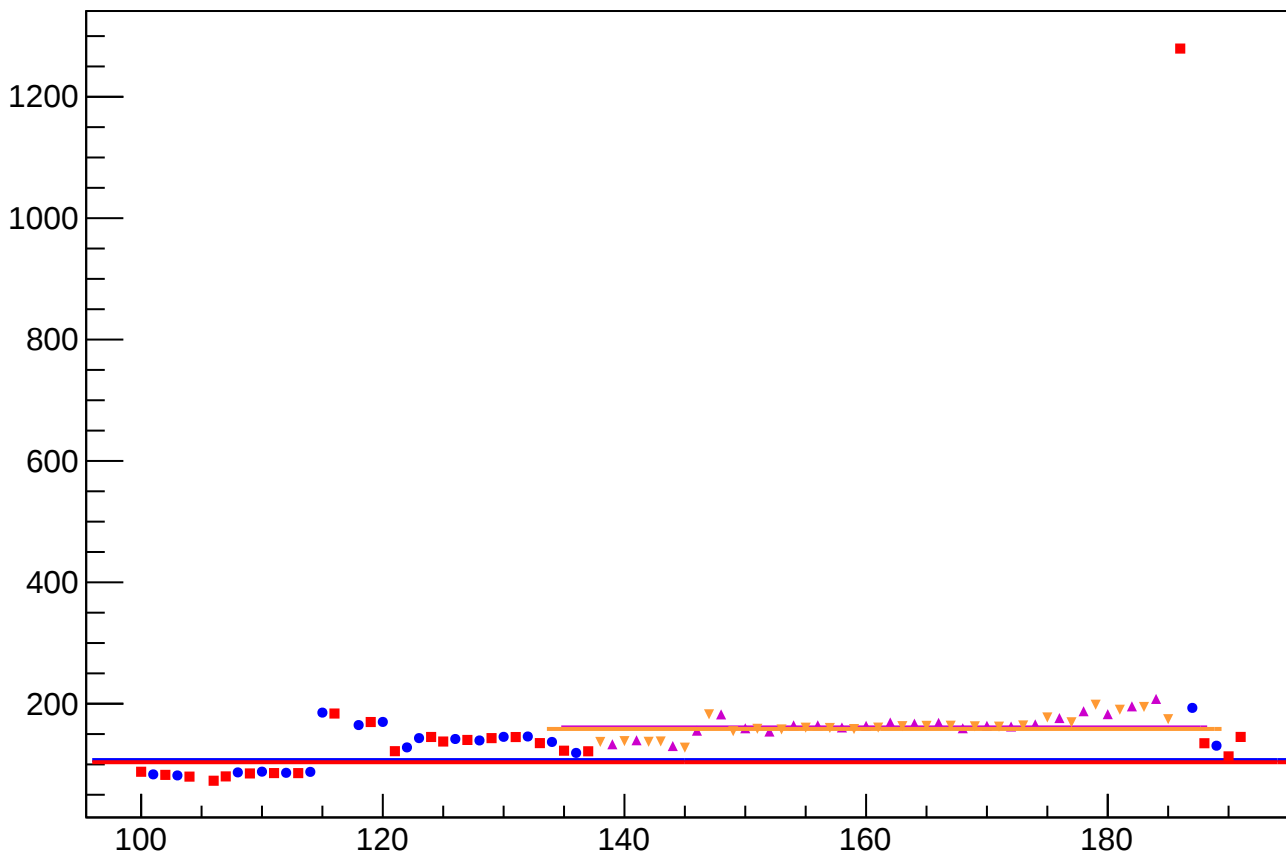
Right: 59.138 $\pm$ 27.418 χ^2/NDF : 37.9/41

In: 96.584 $\pm$ 28.250 χ^2/NDF : 42.8/41

Out: 151.098 $\pm$ 26.072 χ^2/NDF : 54.0/47

All: 126.024 $\pm$ 19.159 χ^2/NDF : 98.9/89

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 107.142 $\pm$ 0.029 χ^2 /NDF: 960808.7/18

Left Out: 158.440 $\pm$ 0.026 χ^2 /NDF: 434300.9/24

Right Out: 103.606 $\pm$ 0.026 χ^2 /NDF: 1797137.7/22

Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

Left: 159.640 $\pm$ 0.019 χ^2 /NDF: 818385.9/47

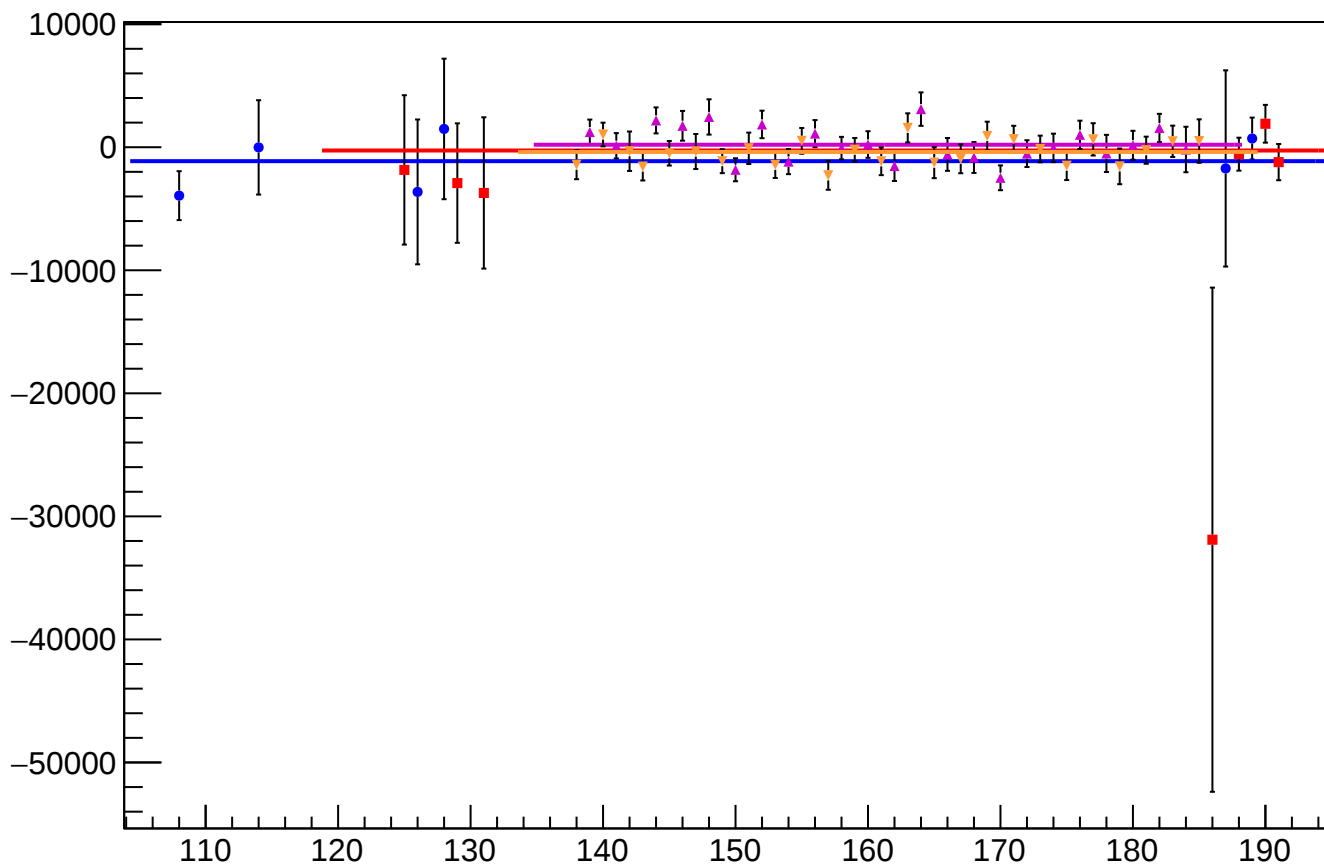
Right: 105.163 $\pm$ 0.019 χ^2 /NDF: 2766147.8/41

In: 135.787 $\pm$ 0.020 χ^2 /NDF: 3146608.7/41

Out: 130.695 $\pm$ 0.018 χ^2 /NDF: 4442892.0/47

All: 133.037 $\pm$ 0.014 χ^2 /NDF: 7624594.3/89

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -1132.146+/-1161.075 χ^2/NDF : 3.6/5

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: -266.820+/-804.969 χ^2/NDF : 5.5/6

Left In: 202.234+/-237.460 χ^2/NDF : 35.5/22

Left: -98.432+/-165.884 χ^2/NDF : 56.7/47

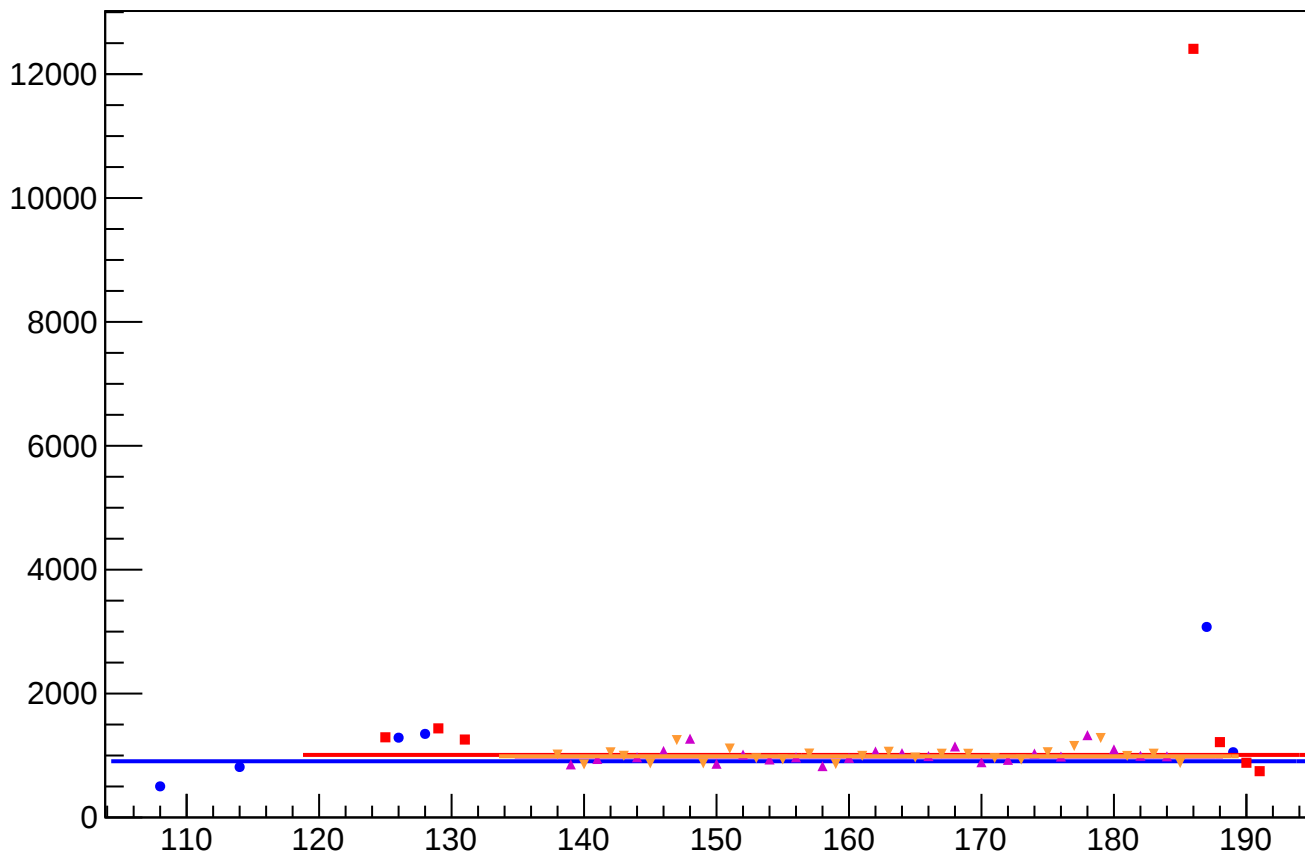
Right: -547.727+/-661.533 χ^2/NDF : 9.5/12

In: 148.661+/-232.644 χ^2/NDF : 40.4/28

Out: -375.965+/-222.778 χ^2/NDF : 23.6/31

All: -125.012+/-160.903 χ^2/NDF : 66.6/60

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 907.313 $\pm$ 0.821 χ^2 /NDF: 267239.8/5

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 1009.637 $\pm$ 0.569 χ^2 /NDF: 767226.6/6

Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

Left: 985.929 $\pm$ 0.117 χ^2 /NDF: 793511.2/47

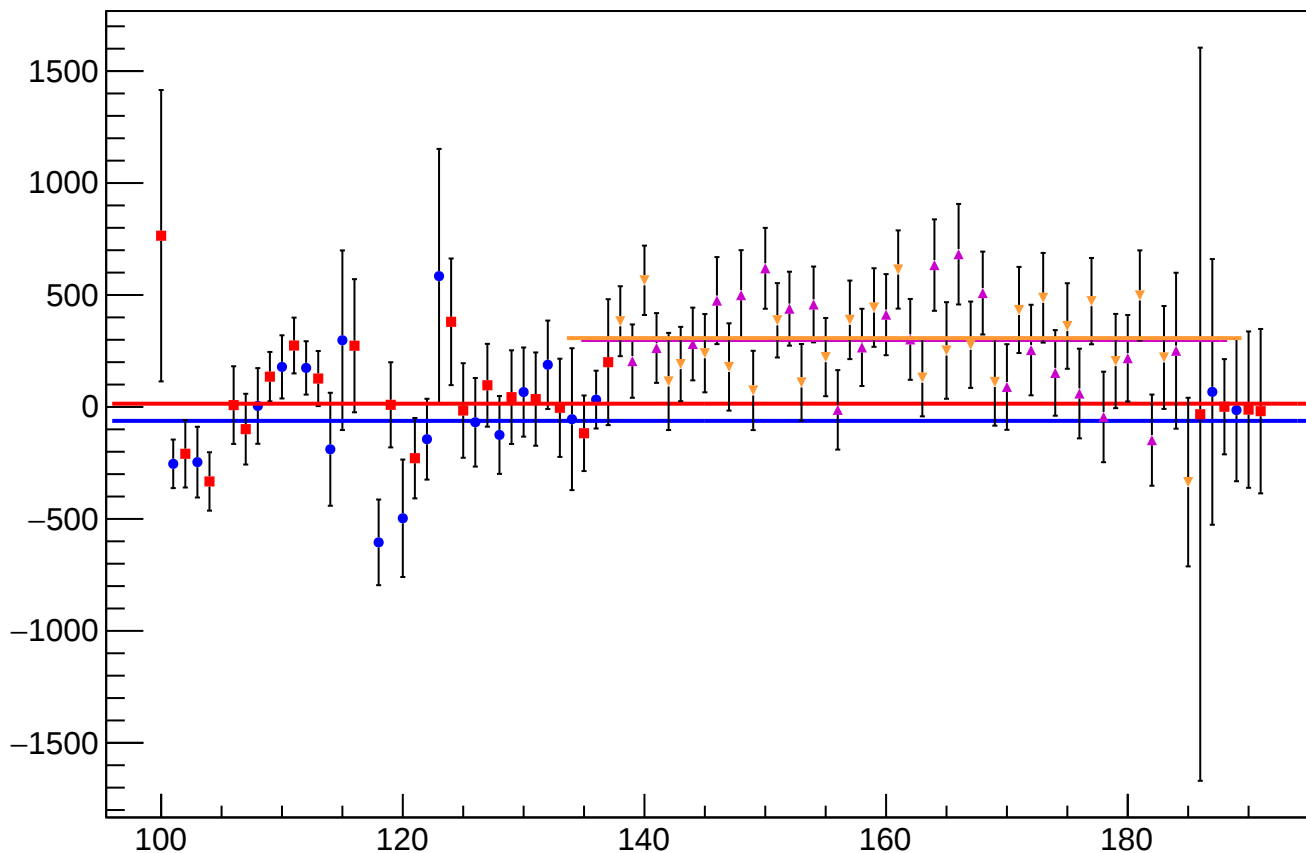
Right: 976.420 $\pm$ 0.468 χ^2 /NDF: 1044957.2/12

In: 980.819 $\pm$ 0.165 χ^2 /NDF: 691856.7/28

Out: 989.536 $\pm$ 0.158 χ^2 /NDF: 1145535.6/31

All: 985.366 $\pm$ 0.114 χ^2 /NDF: 1838857.2/60

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -62.115 $\pm$ 41.861 χ^2 /NDF: 27.6/18

Left Out: 307.487 $\pm$ 37.278 χ^2 /NDF:20.7/24

Right Out: 14.633 $\pm$ 38.405 χ^2 /NDF: 23.1/22

Left In: 299.192 $\pm$ 39.009 χ^2 /NDF:28.5/22

Left: 303.528 $\pm$ 26.951 χ^2 /NDF: 49.3/47

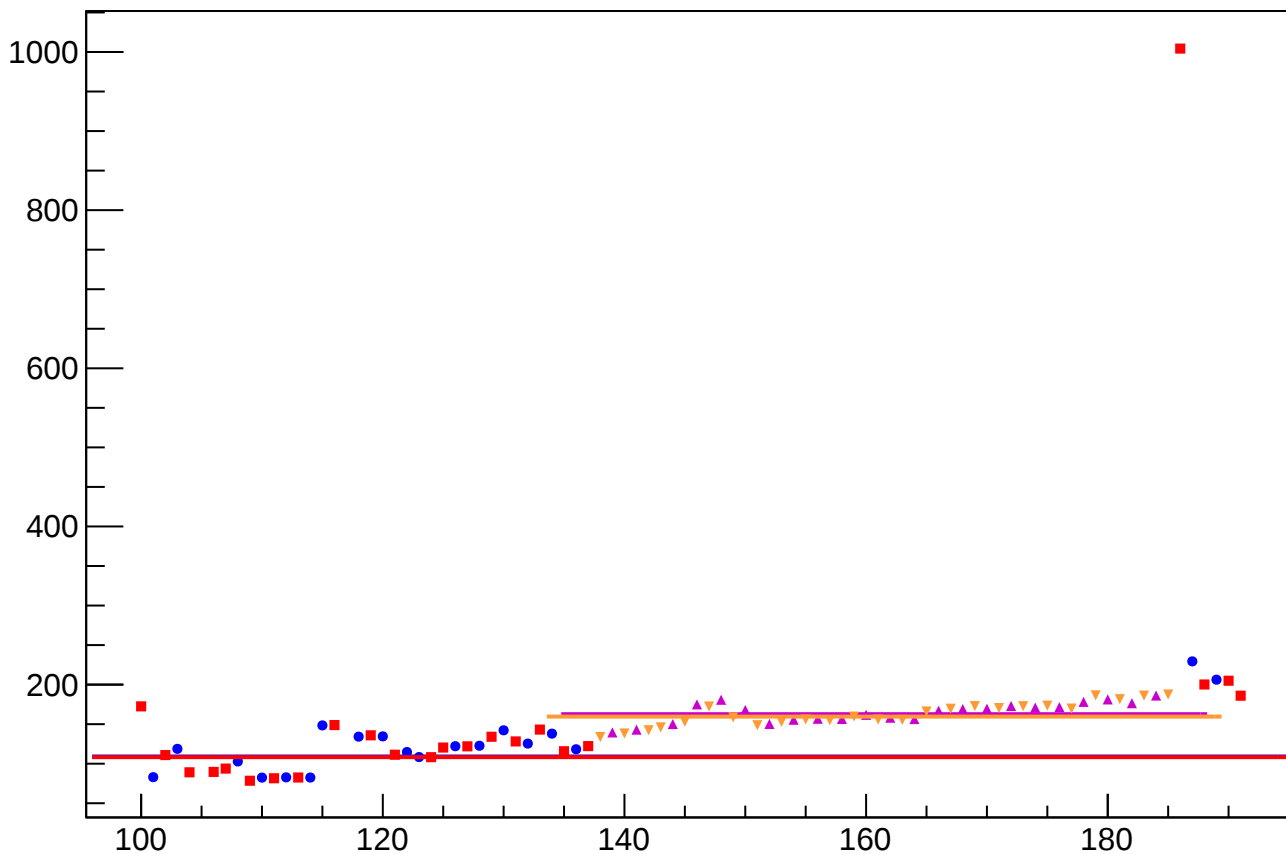
Right: -20.443 $\pm$ 28.299 χ^2 /NDF: 52.6/41

In: 131.263 $\pm$ 28.538 χ^2 /NDF:96.0/41

Out: 165.420 $\pm$ 26.749 χ^2 /NDF:73.8/47

All: 149.446 $\pm$ 19.516 χ^2 /NDF: 170.6/89

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 109.071 $\pm$ 0.030 χ^2 /NDF: 778566.0/18

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 108.290 $\pm$ 0.027 χ^2 /NDF: 1850020.9/22

Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

Left: 161.019 $\pm$ 0.019 χ^2 /NDF: 493626.9/47

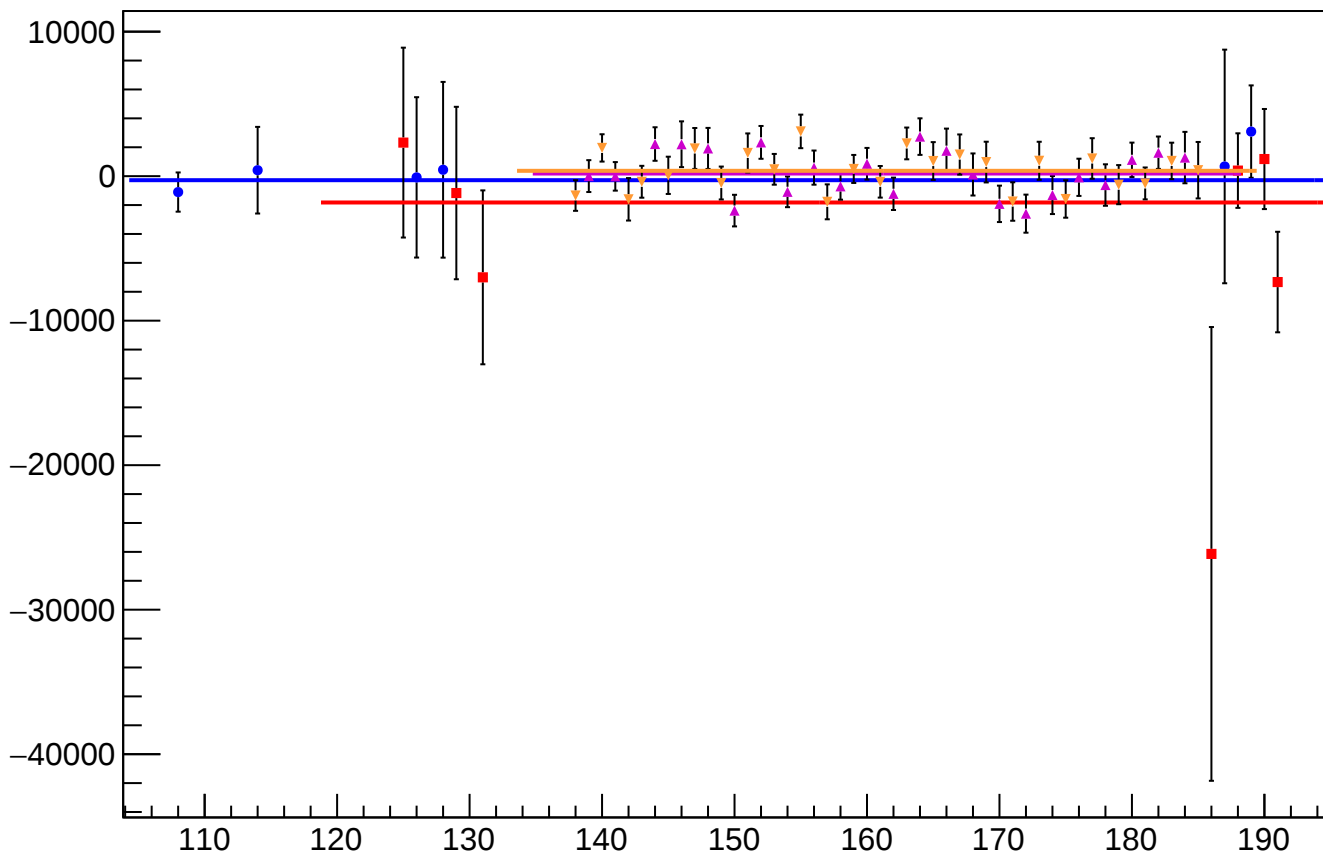
Right: 108.647 $\pm$ 0.020 χ^2 /NDF: 2628965.4/41

In: 137.724 $\pm$ 0.020 χ^2 /NDF: 2728865.5/41

Out: 134.693 $\pm$ 0.019 χ^2 /NDF: 3973659.6/47

All: 136.110 $\pm$ 0.014 χ^2 /NDF: 6714540.6/89

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: -278.910 ± 1099.441 χ^2/NDF : 1.6/5

Left Out: 370.001 ± 243.521 χ^2/NDF : 30.5/24

Right Out: -1821.598 ± 1582.753 χ^2/NDF : 7.5/6

Left In: 183.107 ± 252.258 χ^2/NDF : 36.5/22

Left: 279.847 ± 175.203 χ^2/NDF : 67.2/47

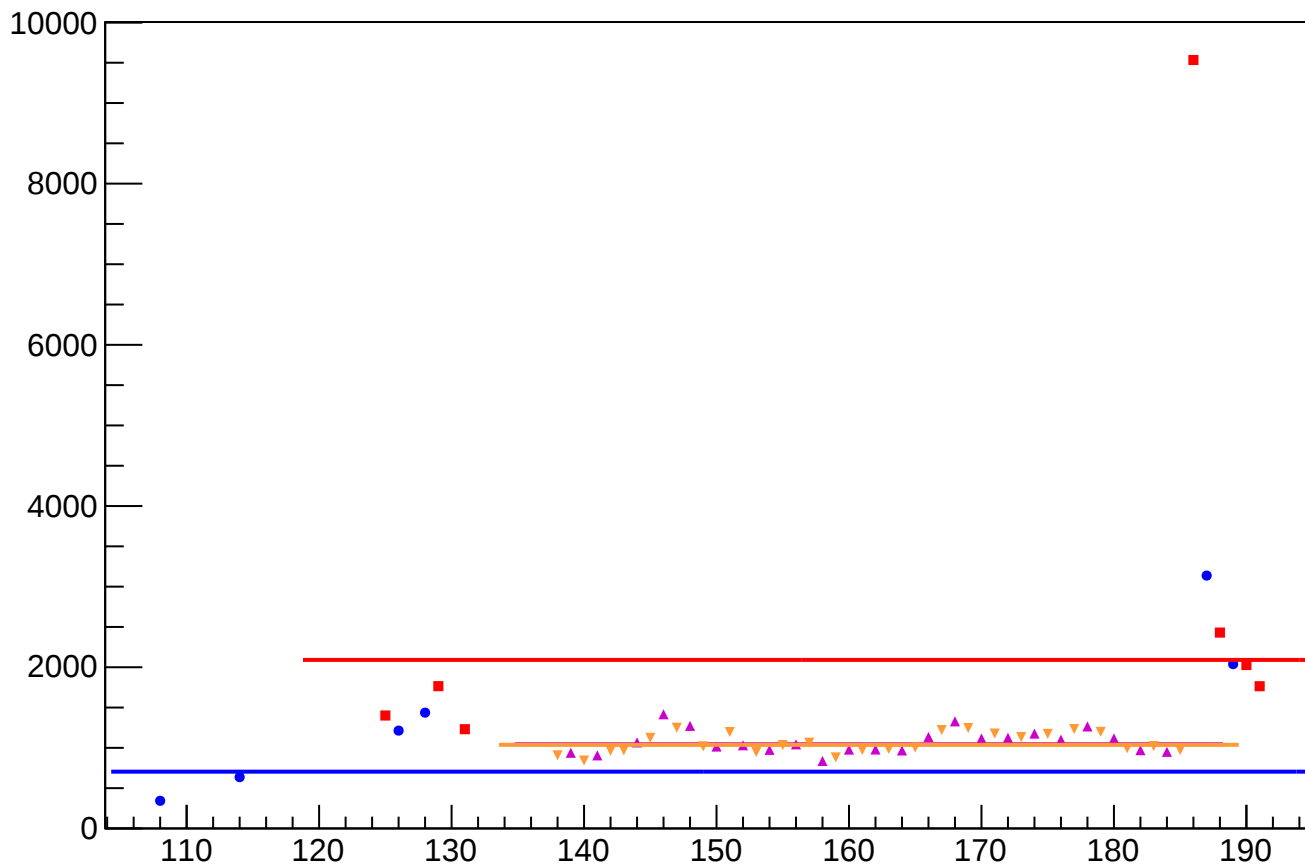
Right: -781.015 ± 902.966 χ^2/NDF : 9.7/12

In: 160.001 ± 245.869 χ^2/NDF : 38.2/28

Out: 319.320 ± 240.688 χ^2/NDF : 39.9/31

All: 241.357 ± 171.995 χ^2/NDF : 78.3/60

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 704.653 $\pm$ 0.777 χ^2/NDF : 718254.4/5

Left Out: 1037.689 $\pm$ 0.172 χ^2/NDF : 494981.4/24

Right Out: 2091.010 $\pm$ 1.119 χ^2/NDF : 571078.9/6

Left In: 1044.746 $\pm$ 0.178 χ^2/NDF : 543315.5/22

Left: 1041.093 $\pm$ 0.124 χ^2/NDF : 1039107.0/47

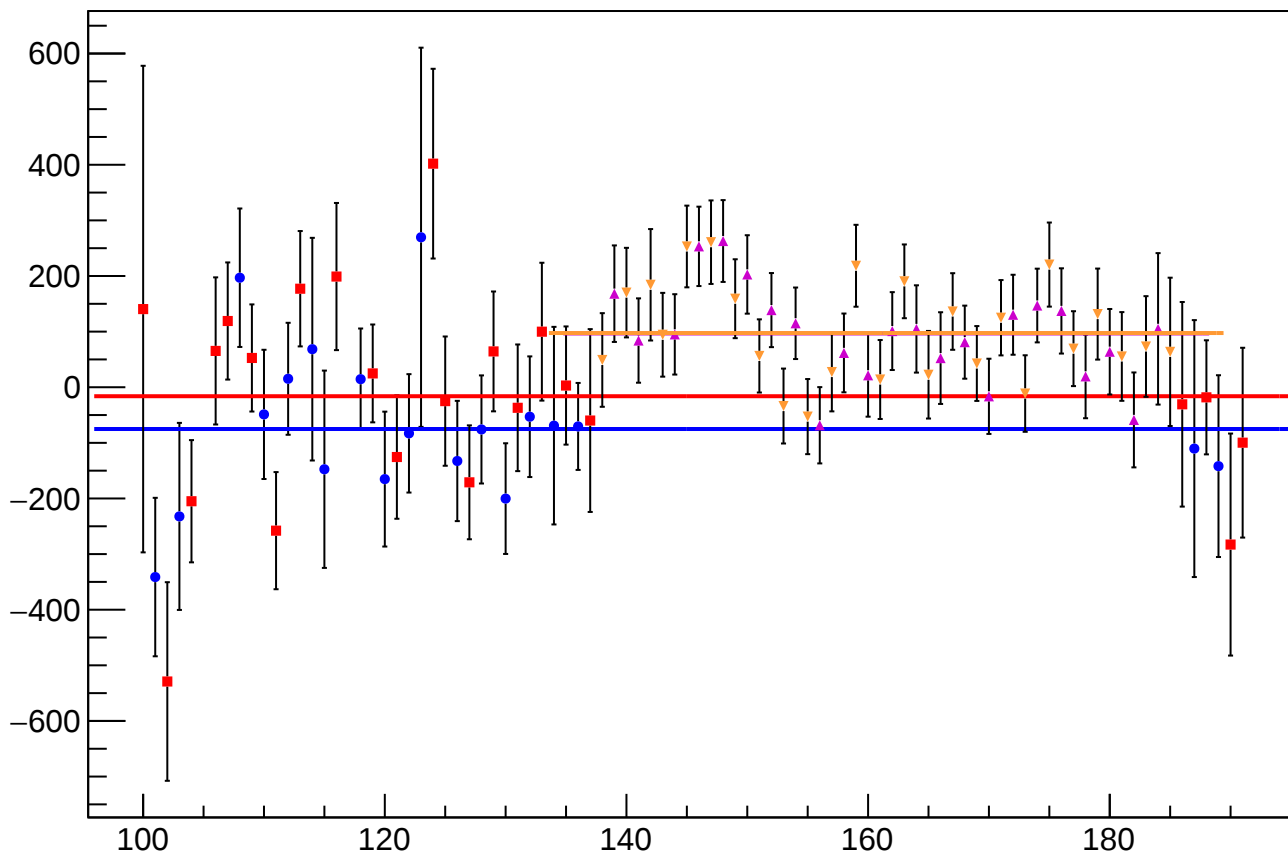
Right: 1155.877 $\pm$ 0.638 χ^2/NDF : 2324361.9/12

In: 1027.737 $\pm$ 0.174 χ^2/NDF : 1443371.7/28

Out: 1062.047 $\pm$ 0.170 χ^2/NDF : 1931355.0/31

All: 1045.258 $\pm$ 0.122 χ^2/NDF : 3394614.4/60

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.101 ± 27.810 χ^2/NDF : 15.3/18

Left Out: 97.445 ± 14.880 χ^2/NDF : 36.0/24

Right Out: -16.153 ± 25.261 χ^2/NDF : 38.4/22

Left In: 96.704 ± 15.369 χ^2/NDF : 29.2/22

Left: 97.087 ± 10.690 χ^2/NDF : 65.2/47

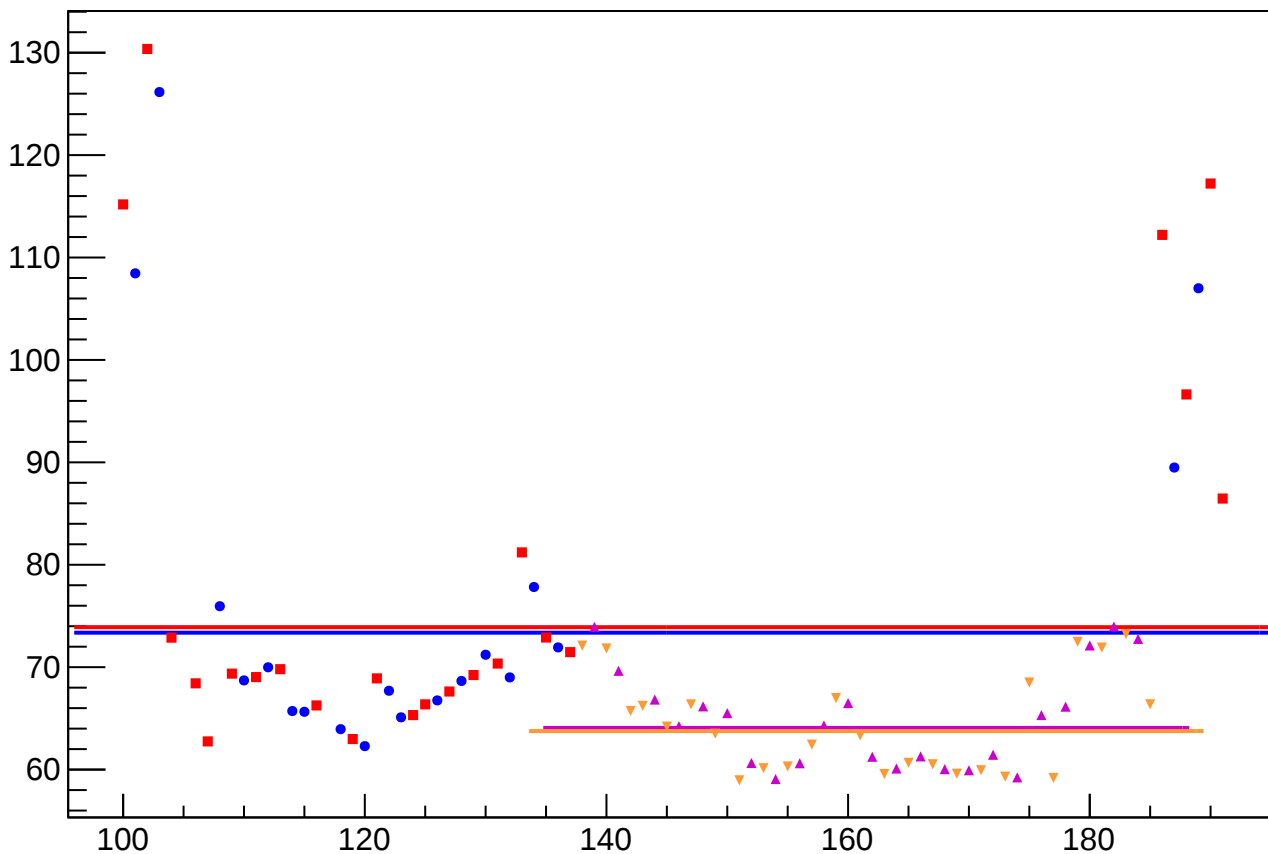
Right: -42.802 ± 18.698 χ^2/NDF : 56.1/41

In: 56.507 ± 13.452 χ^2/NDF : 73.8/41

Out: 68.183 ± 12.821 χ^2/NDF : 89.4/47

All: 62.625 ± 9.281 χ^2/NDF : 163.5/89

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.369 $\pm$ 0.020 χ^2 /NDF: 489168.8/18

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF:192803.8/24

Right Out: 73.904 $\pm$ 0.018 χ^2 /NDF: 621559.1/22

Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

Left: 63.910 $\pm$ 0.008 χ^2 /NDF: 357877.2/47

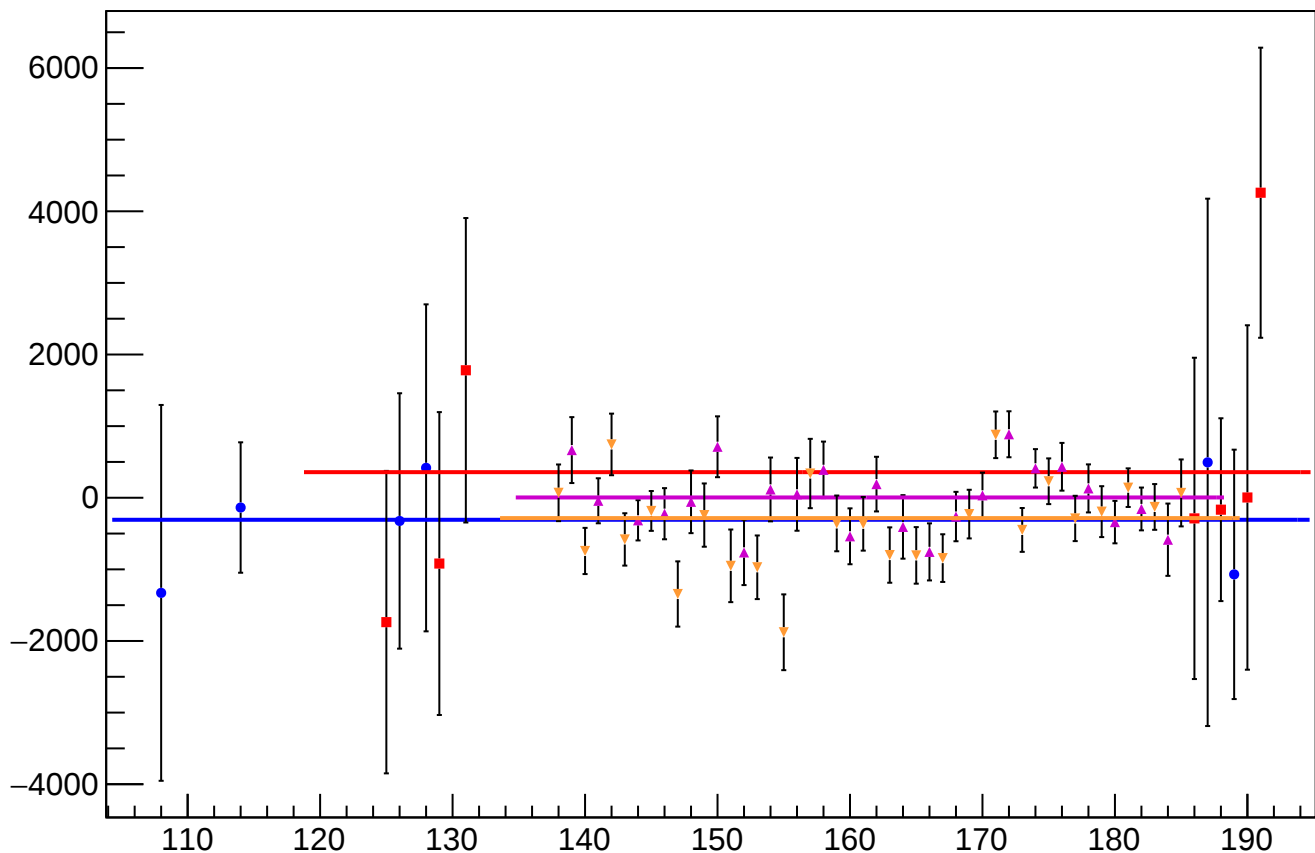
Right: 73.662 $\pm$ 0.013 χ^2 /NDF: 1111133.9/41

In: 66.244 $\pm$ 0.010 χ^2 /NDF:825167.2/41

Out: 66.374 $\pm$ 0.009 χ^2 /NDF:1053745.0/47

All: 66.312 $\pm$ 0.007 χ^2 /NDF: 1879009.1/89

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -307.726 ± 664.985 $\chi^2/\text{NDF}: 0.5/5$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: 357.319 ± 725.808 $\chi^2/\text{NDF}: 5.8/6$

Left In: 4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

Left: -144.720 ± 52.241 $\chi^2/\text{NDF}: 95.0/47$

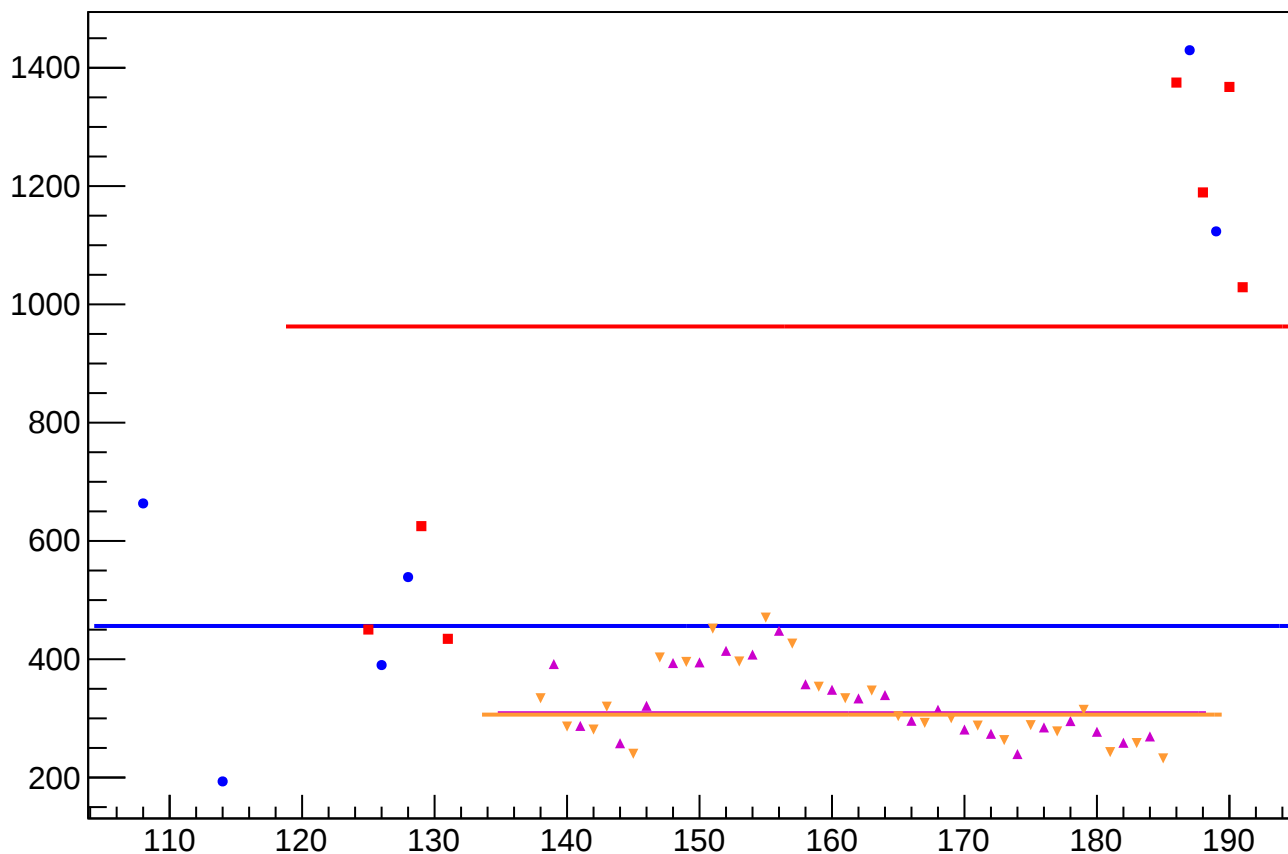
Right: -4.232 ± 490.311 $\chi^2/\text{NDF}: 6.8/12$

In: 0.112 ± 74.610 $\chi^2/\text{NDF}: 33.1/28$

Out: -277.925 ± 72.370 $\chi^2/\text{NDF}: 61.6/31$

All: -143.143 ± 51.947 $\chi^2/\text{NDF}: 101.9/60$

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 456.242+/-0.470 χ^2/NDF : 617928.7/5

Left Out: 306.363+/-0.051 χ^2/NDF : 1215669.9/24

Right Out: 962.626+/-0.513 χ^2/NDF : 481673.8/6

Left In: 308.727+/-0.053 χ^2/NDF : 1002947.4/22

Left: 307.507+/-0.037 χ^2/NDF : 2219640.0/47

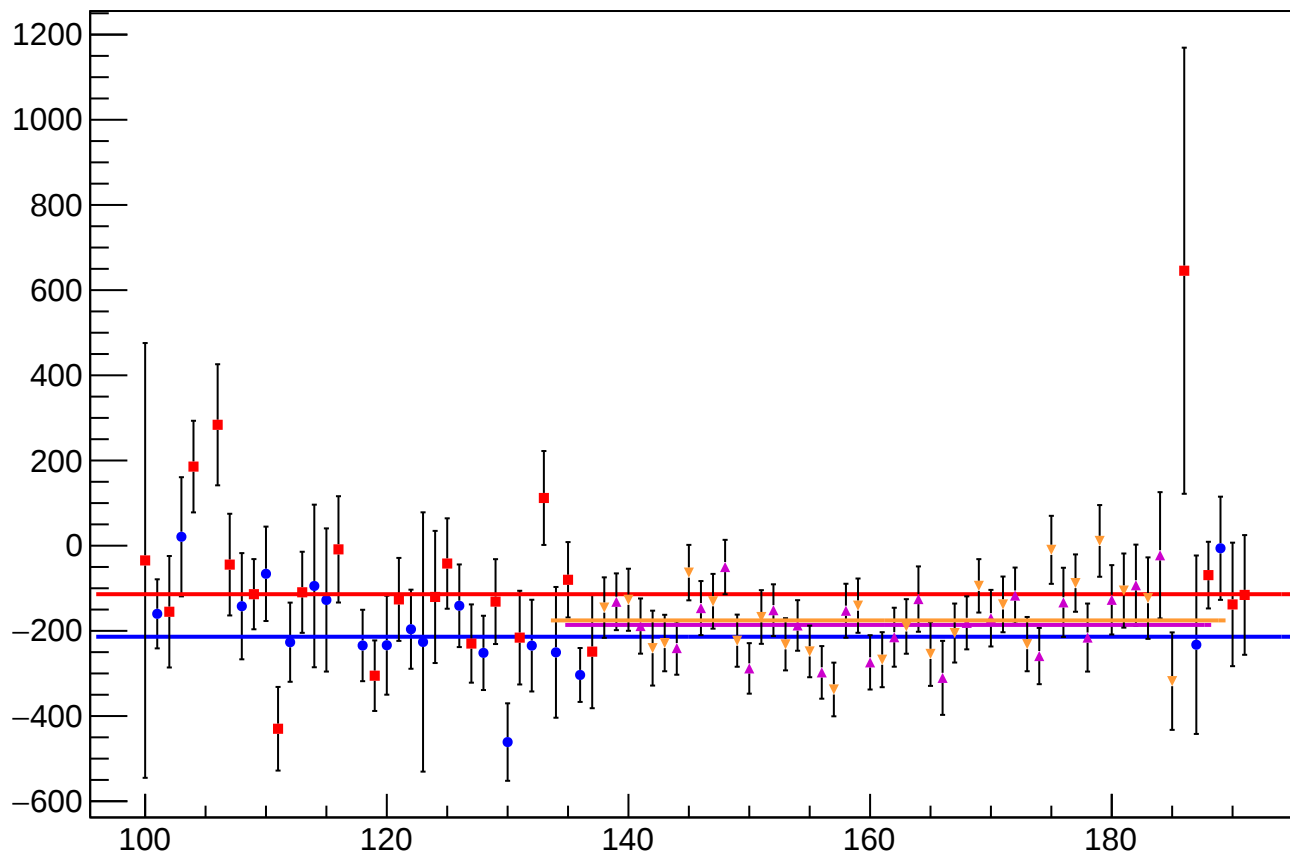
Right: 687.331+/-0.347 χ^2/NDF : 1628858.3/12

In: 310.584+/-0.053 χ^2/NDF : 1718056.8/28

Out: 312.887+/-0.051 χ^2/NDF : 3316183.9/31

All: 311.771+/-0.037 χ^2/NDF : 5035223.2/60

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -213.806 ± 24.264 $\chi^2/\text{NDF}: 19.4/18$

Left Out: -175.471 ± 13.846 $\chi^2/\text{NDF}: 34.6/24$

Right Out: -113.925 ± 22.889 $\chi^2/\text{NDF}: 43.2/22$

Left In: -186.047 ± 14.315 $\chi^2/\text{NDF}: 23.6/22$

Left: -180.583 ± 9.952 $\chi^2/\text{NDF}: 58.5/47$

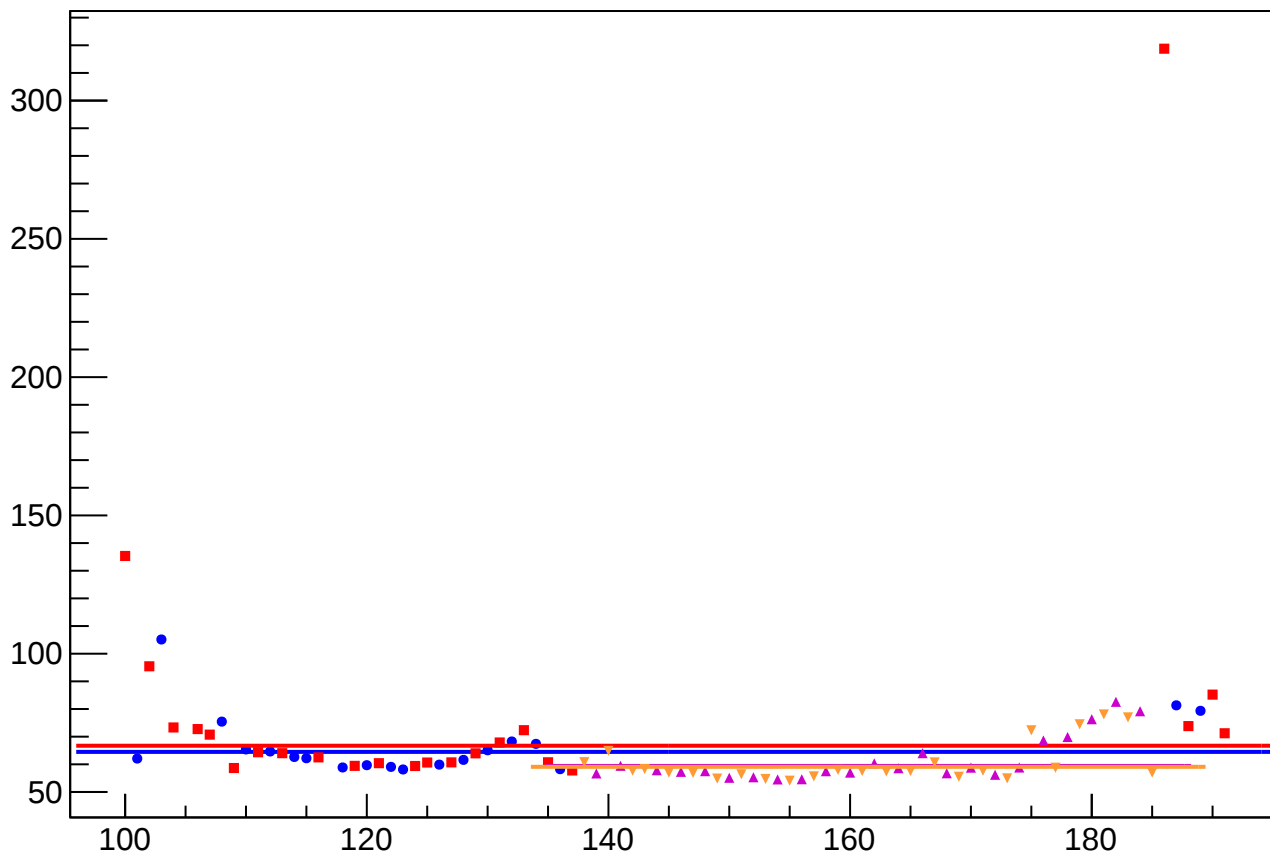
Right: -160.956 ± 16.650 $\chi^2/\text{NDF}: 71.6/41$

In: -193.215 ± 12.329 $\chi^2/\text{NDF}: 43.9/41$

Out: -158.983 ± 11.847 $\chi^2/\text{NDF}: 83.2/47$

All: -175.416 ± 8.543 $\chi^2/\text{NDF}: 131.1/89$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 64.497 $\pm$ 0.017 χ^2 /NDF: 279286.6/18

Left Out: 59.099 $\pm$ 0.010 χ^2 /NDF: 369788.6/24

Right Out: 66.725 $\pm$ 0.016 χ^2 /NDF: 752896.3/22

Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

Left: 59.250 $\pm$ 0.007 χ^2 /NDF: 743329.1/47

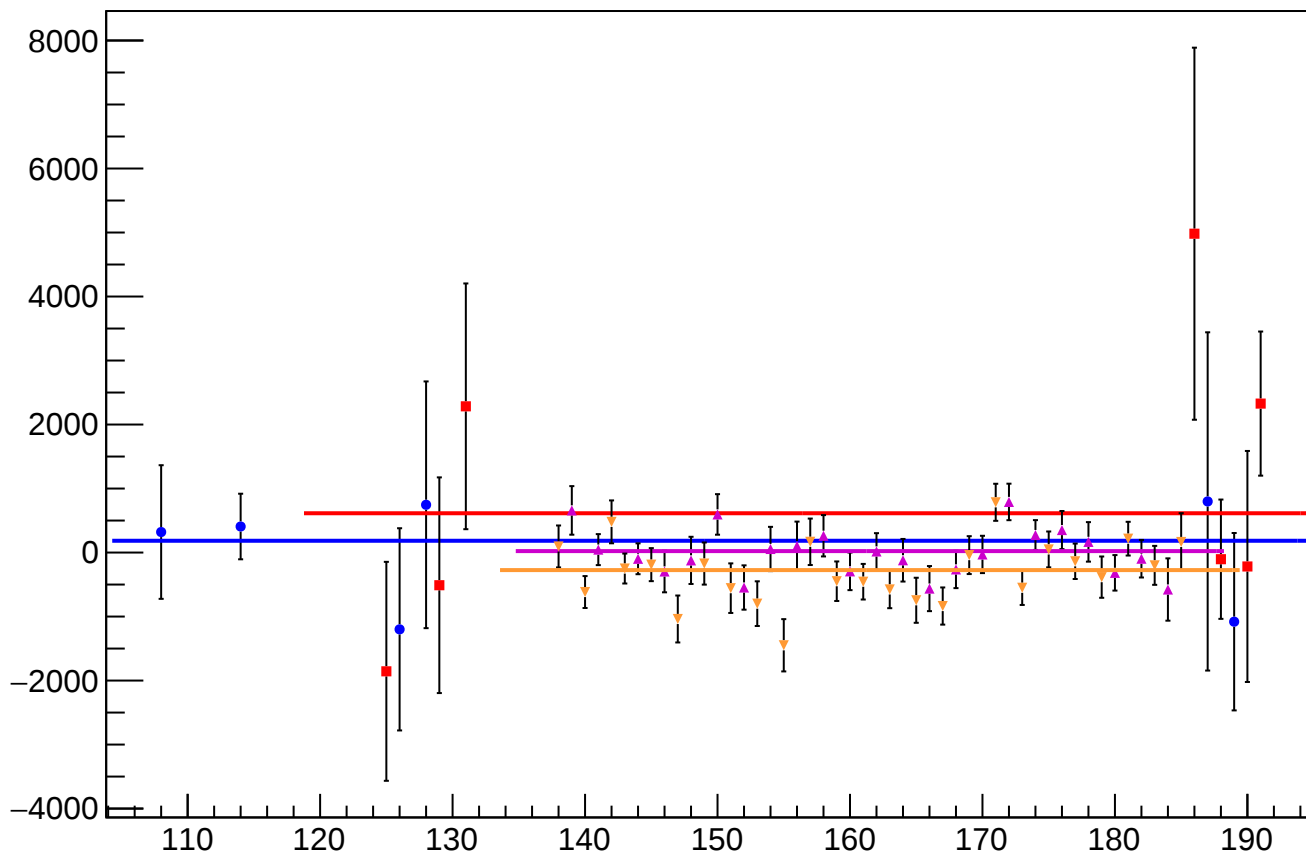
Right: 65.676 $\pm$ 0.012 χ^2 /NDF: 1041106.1/41

In: 60.724 $\pm$ 0.009 χ^2 /NDF: 717533.4/41

Out: 61.142 $\pm$ 0.008 χ^2 /NDF: 1285194.2/47

All: 60.941 $\pm$ 0.006 χ^2 /NDF: 2003925.2/89

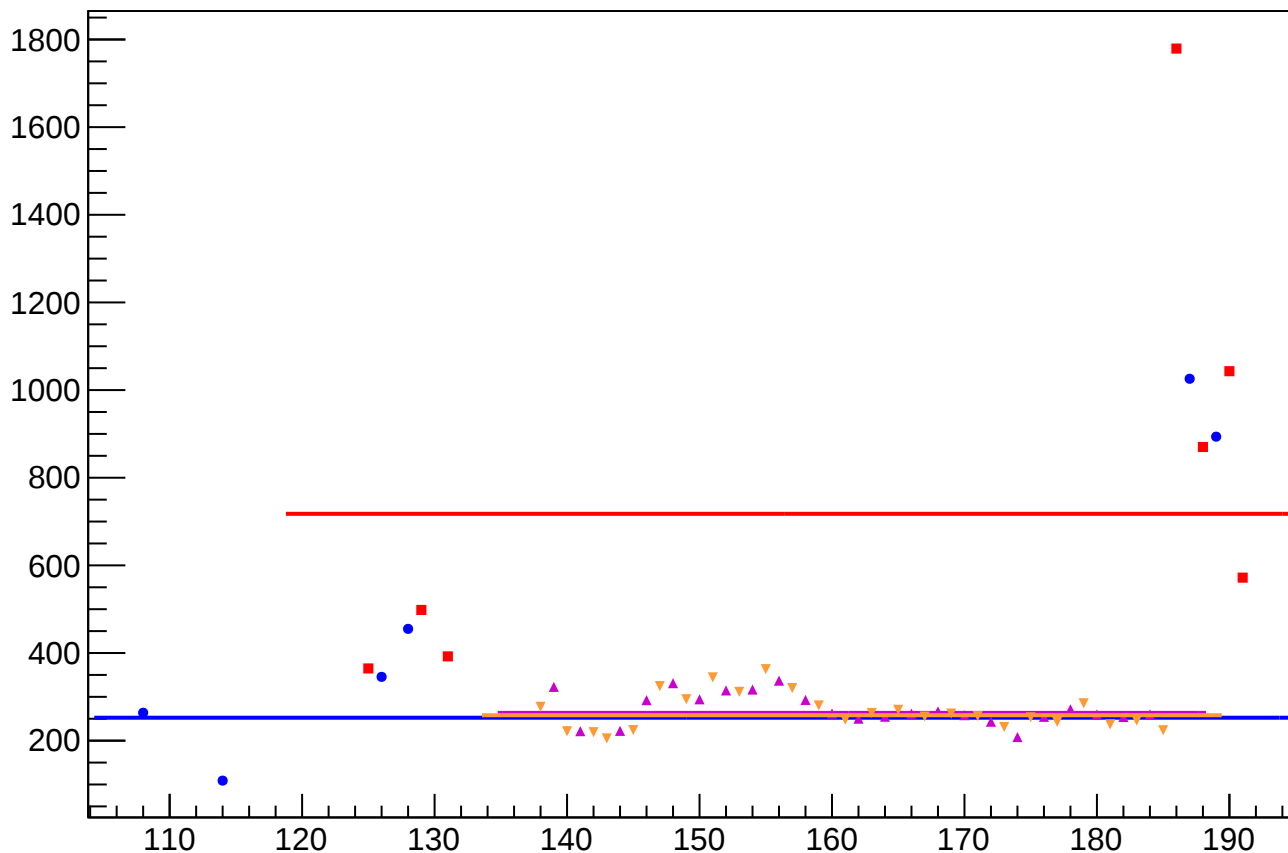
asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 184.150+/-406.180 χ^2/NDF : 1.9/5
 Left Out: -274.091+/-60.799 χ^2/NDF : 53.9/24
 Right Out: 613.994+/-547.914 χ^2/NDF : 8.7/6
 Left In: 22.631+/-63.643 χ^2/NDF : 28.9/22

Left: -132.507+/-43.963 χ^2/NDF : 94.2/47
 Right: 336.596+/-326.298 χ^2/NDF : 11.0/12
 In: 26.501+/-62.876 χ^2/NDF : 31.0/28
 Out: -263.289+/-60.428 χ^2/NDF : 65.2/31
 All: -124.144+/-43.569 χ^2/NDF : 107.2/60

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 252.370+/-0.287 χ^2/NDF : 786101.7/5

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 717.657+/-0.387 χ^2/NDF : 595332.8/6

Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

Left: 260.596+/-0.031 χ^2/NDF : 1317830.8/47

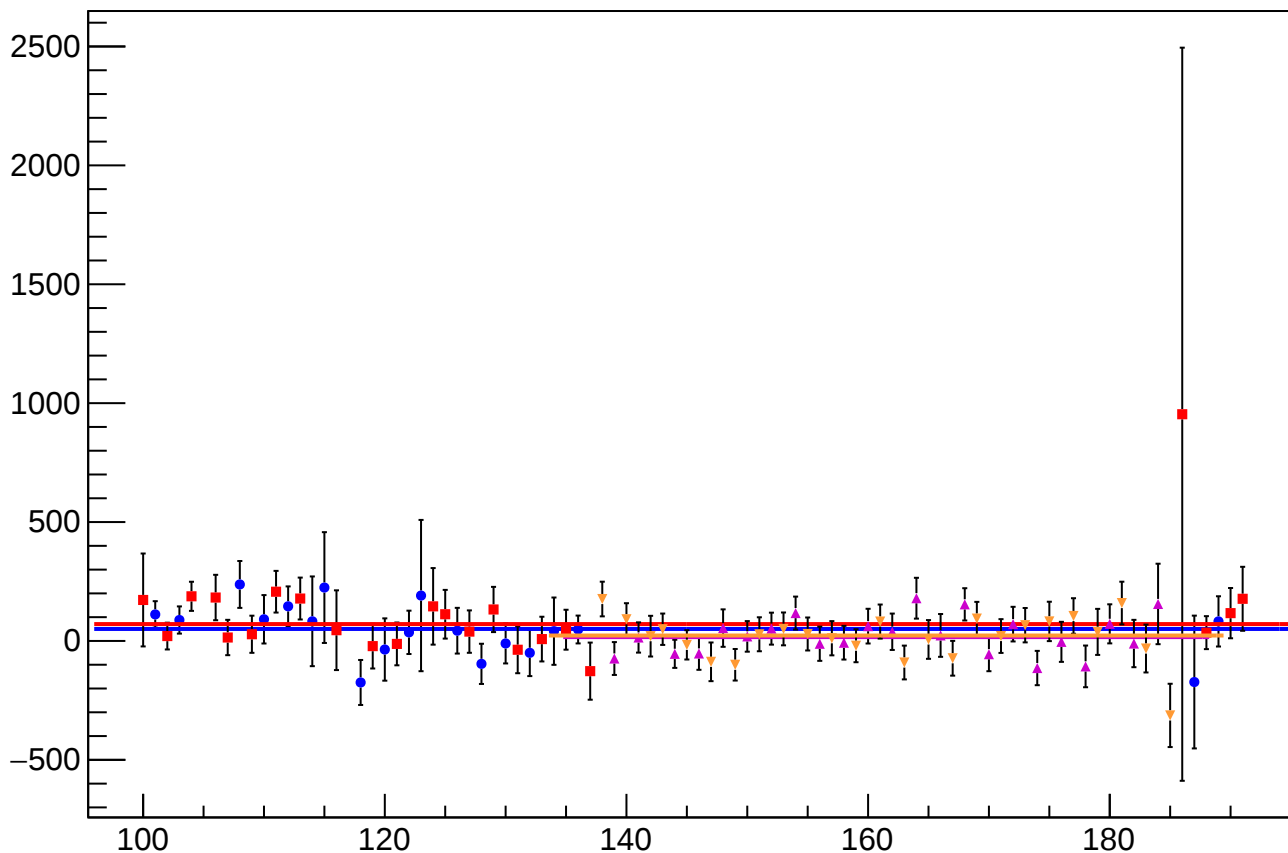
Right: 417.386+/-0.231 χ^2/NDF : 2312197.0/12

In: 263.132+/-0.044 χ^2/NDF : 1373140.5/28

Out: 263.631+/-0.043 χ^2/NDF : 2710368.1/31

All: 263.391+/-0.031 χ^2/NDF : 4083573.9/60

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 50.461 $\pm$ 21.053 χ^2 /NDF: 18.9/18

Left Out: 22.871 $\pm$ 14.968 χ^2 /NDF:29.0/24

Right Out: 70.942 $\pm$ 19.087 χ^2 /NDF: 19.5/22

Left In: 16.198 $\pm$ 15.531 χ^2 /NDF:23.3/22

Left: 19.658 $\pm$ 10.777 χ^2 /NDF: 52.4/47

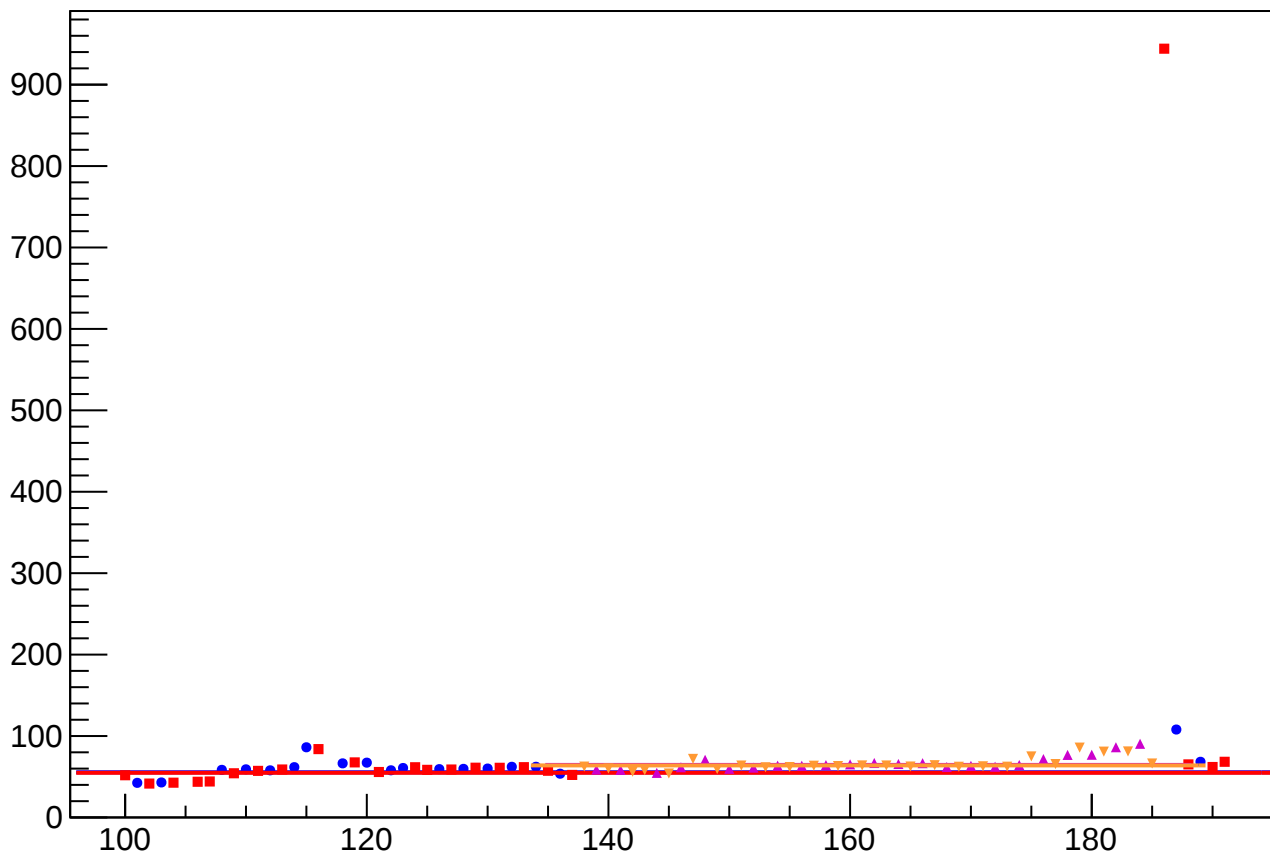
Right: 61.702 $\pm$ 14.141 χ^2 /NDF: 38.9/41

In: 28.273 $\pm$ 12.498 χ^2 /NDF:44.0/41

Out: 41.175 $\pm$ 11.778 χ^2 /NDF:52.4/47

All: 35.106 $\pm$ 8.572 χ^2 /NDF: 97.0/89

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 55.488 $\pm$ 0.015 χ^2 /NDF: 422449.2/18

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 54.852 $\pm$ 0.013 χ^2 /NDF: 1139910.6/22

Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

Left: 64.204 $\pm$ 0.008 χ^2 /NDF: 767426.6/47

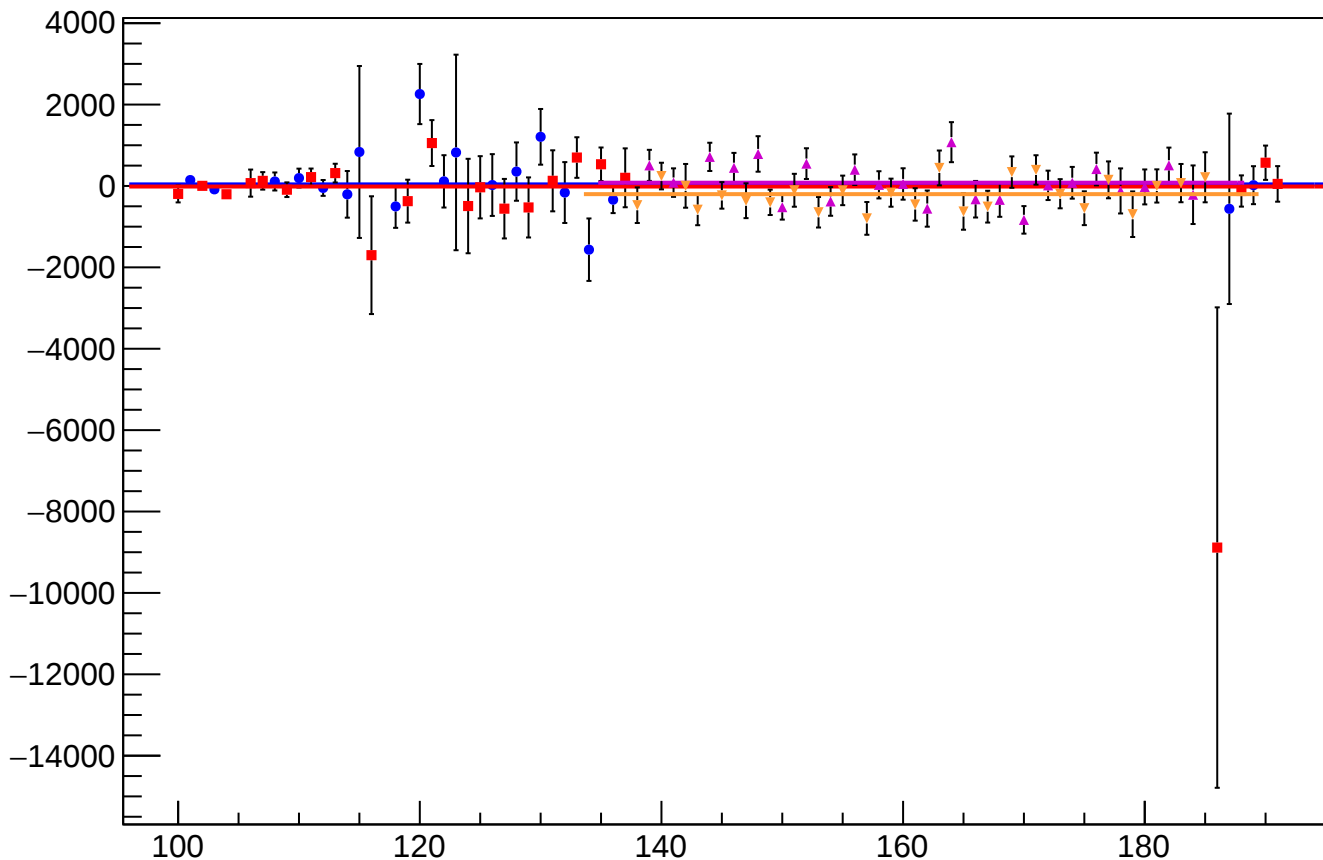
Right: 55.139 $\pm$ 0.010 χ^2 /NDF: 1563361.7/41

In: 61.331 $\pm$ 0.009 χ^2 /NDF: 1030857.2/41

Out: 60.467 $\pm$ 0.008 χ^2 /NDF: 1814826.5/47

All: 60.873 $\pm$ 0.006 χ^2 /NDF: 2850745.5/89

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 38.489 ± 51.237 χ^2/NDF : 23.9/18

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -13.946 ± 51.998 χ^2/NDF : 23.1/22

Left In: 79.985 ± 81.781 χ^2/NDF : 33.4/22

Left: -64.438 ± 57.022 χ^2/NDF : 59.1/47

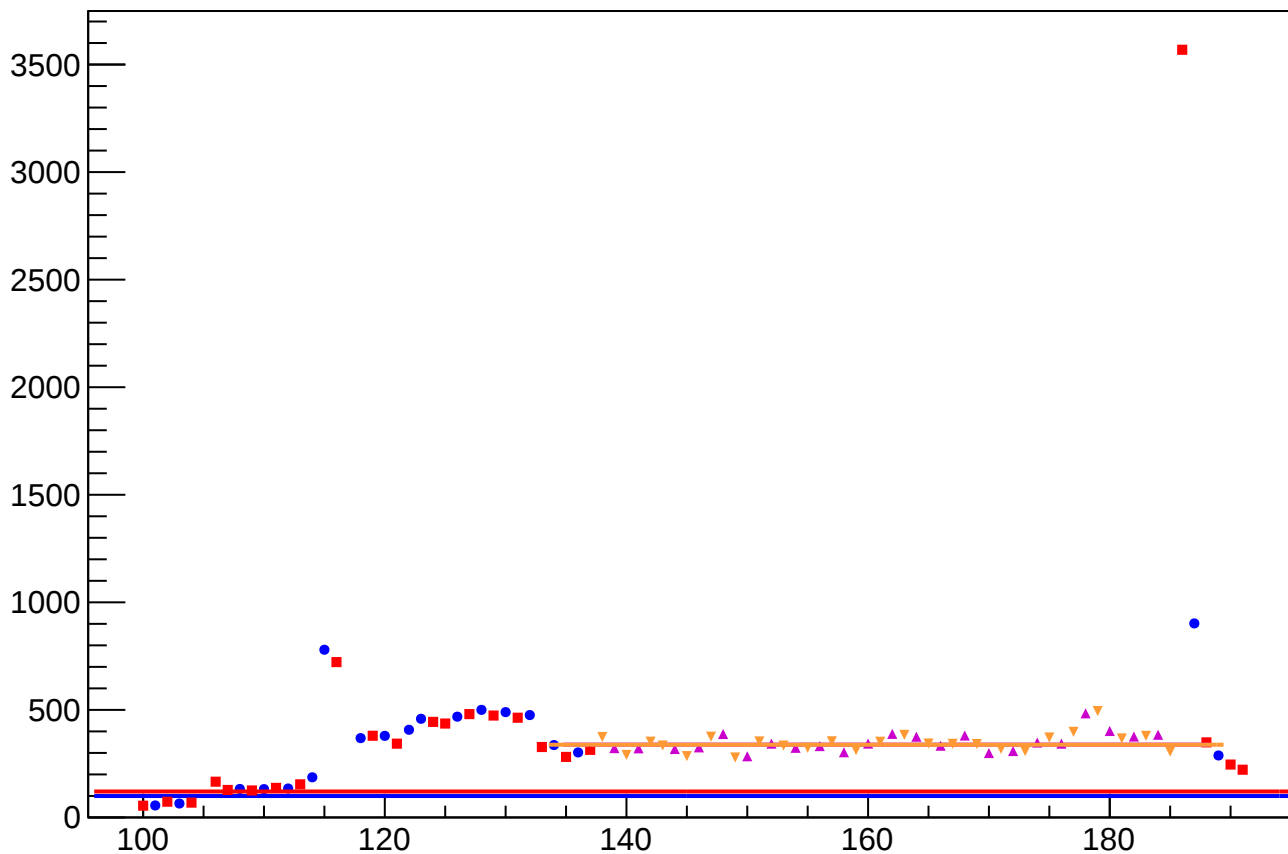
Right: 12.658 ± 36.496 χ^2/NDF : 47.5/41

In: 50.186 ± 43.419 χ^2/NDF : 57.5/41

Out: -69.968 ± 43.525 χ^2/NDF : 46.7/47

All: -9.746 ± 30.739 χ^2/NDF : 107.9/89

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 99.593+/-0.036 χ^2/NDF : 6367896.2/18

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 120.711+/-0.037 χ^2/NDF : 6737370.8/22

Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

Left: 338.341+/-0.040 χ^2/NDF : 935873.7/47

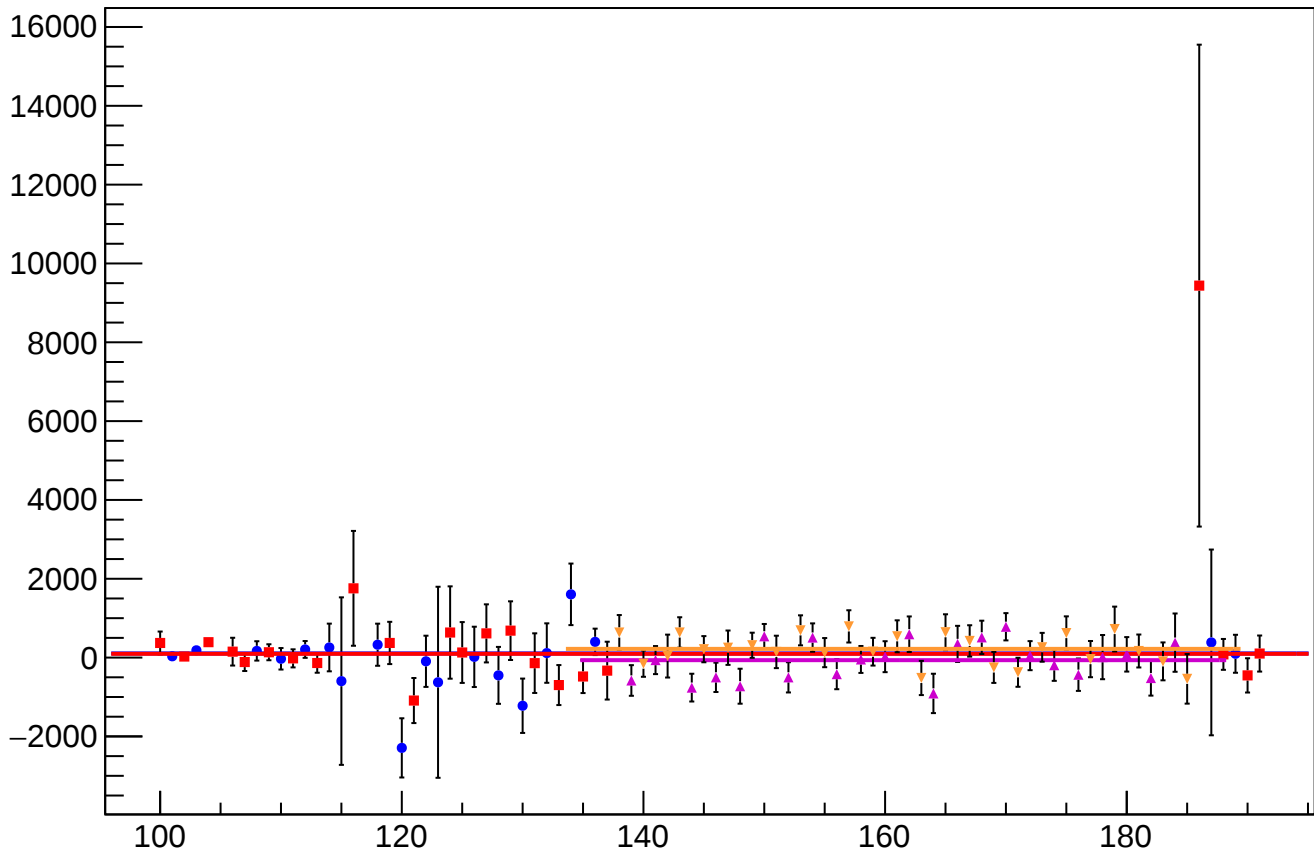
Right: 109.996+/-0.026 χ^2/NDF : 13272644.6/41

In: 166.953+/-0.031 χ^2/NDF : 19068623.5/41

Out: 185.799+/-0.031 χ^2/NDF : 17703580.8/47

All: 176.353+/-0.022 χ^2/NDF : 36960146.7/89

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 105.708 $\pm$ 62.628 χ^2 /NDF: 21.0/18

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: 95.694 $\pm$ 59.085 χ^2 /NDF: 25.2/22

Left In: -65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

Left: 81.798 $\pm$ 58.085 χ^2 /NDF: 59.7/47

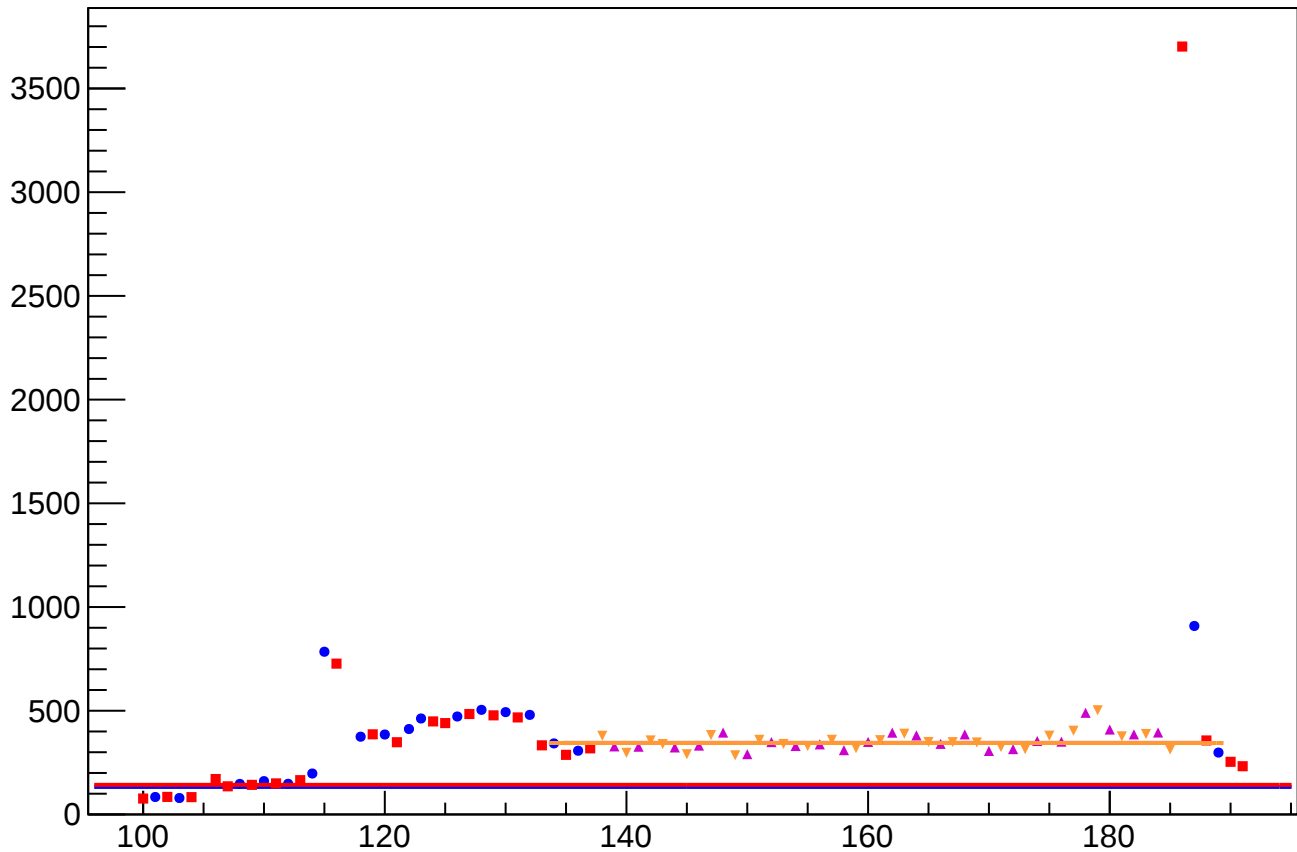
Right: 100.410 $\pm$ 42.978 χ^2 /NDF: 46.2/41

In: 43.894 $\pm$ 50.062 χ^2 /NDF:57.7/41

Out: 139.229 $\pm$ 47.739 χ^2 /NDF:46.4/47

All: 93.825 $\pm$ 34.549 χ^2 /NDF: 106.0/89

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 132.782 $\pm$ 0.044 χ^2 /NDF: 5217364.5/18

Left Out: 344.506 $\pm$ 0.057 χ^2 /NDF:488323.4/24

Right Out: 142.728 $\pm$ 0.042 χ^2 /NDF: 5879166.9/22

Left In: 345.039 $\pm$ 0.059 χ^2 /NDF:427381.3/22

Left: 344.765 $\pm$ 0.041 χ^2 /NDF: 915746.8/47

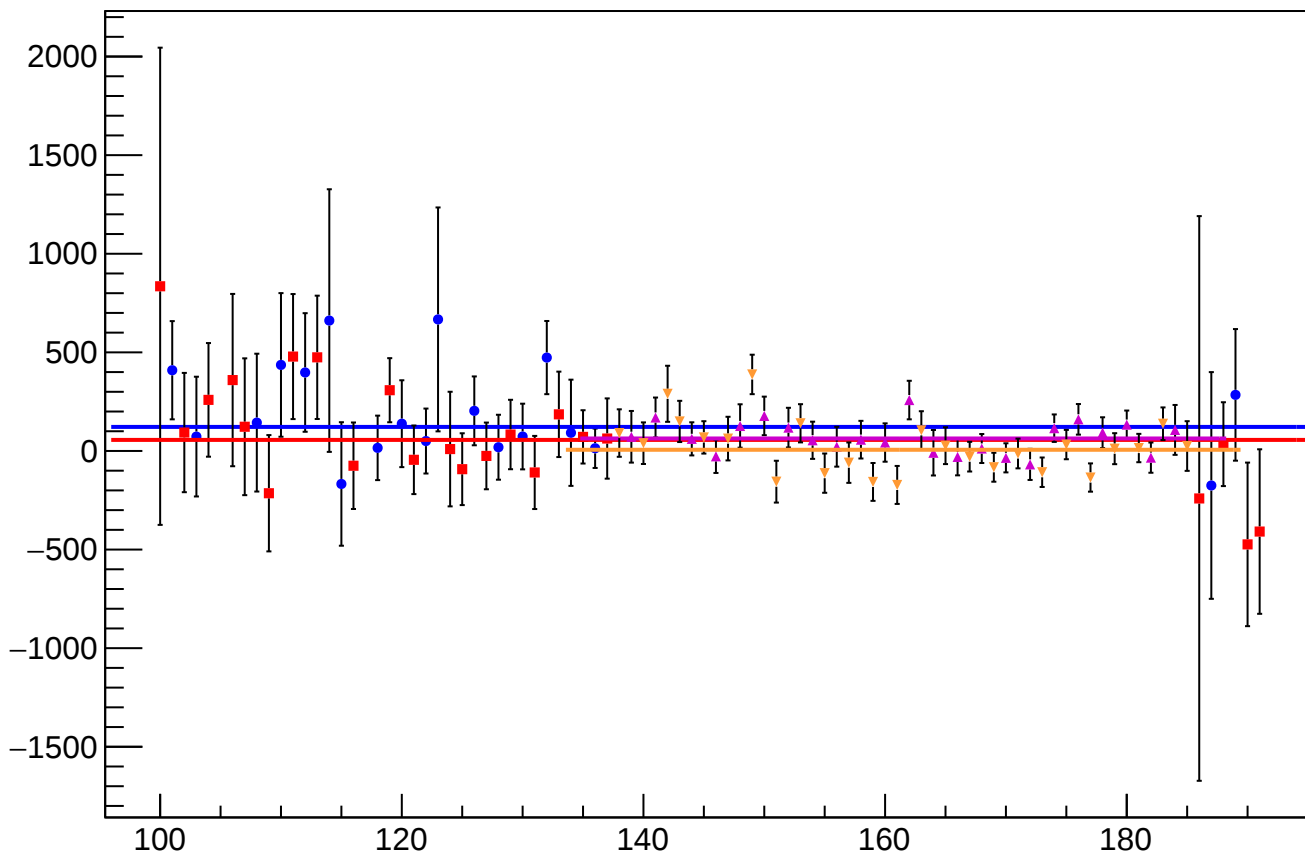
Right: 138.045 $\pm$ 0.030 χ^2 /NDF: 11123221.4/41

In: 209.412 $\pm$ 0.035 χ^2 /NDF:13938514.0/41

Out: 212.785 $\pm$ 0.034 χ^2 /NDF:14465716.6/47

All: 211.178 $\pm$ 0.024 χ^2 /NDF: 28408984.6/89

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 121.952 $\pm$ 48.501 χ^2 /NDF: 12.0/18

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF:46.0/24

Right Out: 56.056 $\pm$ 48.037 χ^2 /NDF: 14.0/22

Left In: 63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

Left: 33.804 $\pm$ 12.850 χ^2 /NDF: 70.8/47

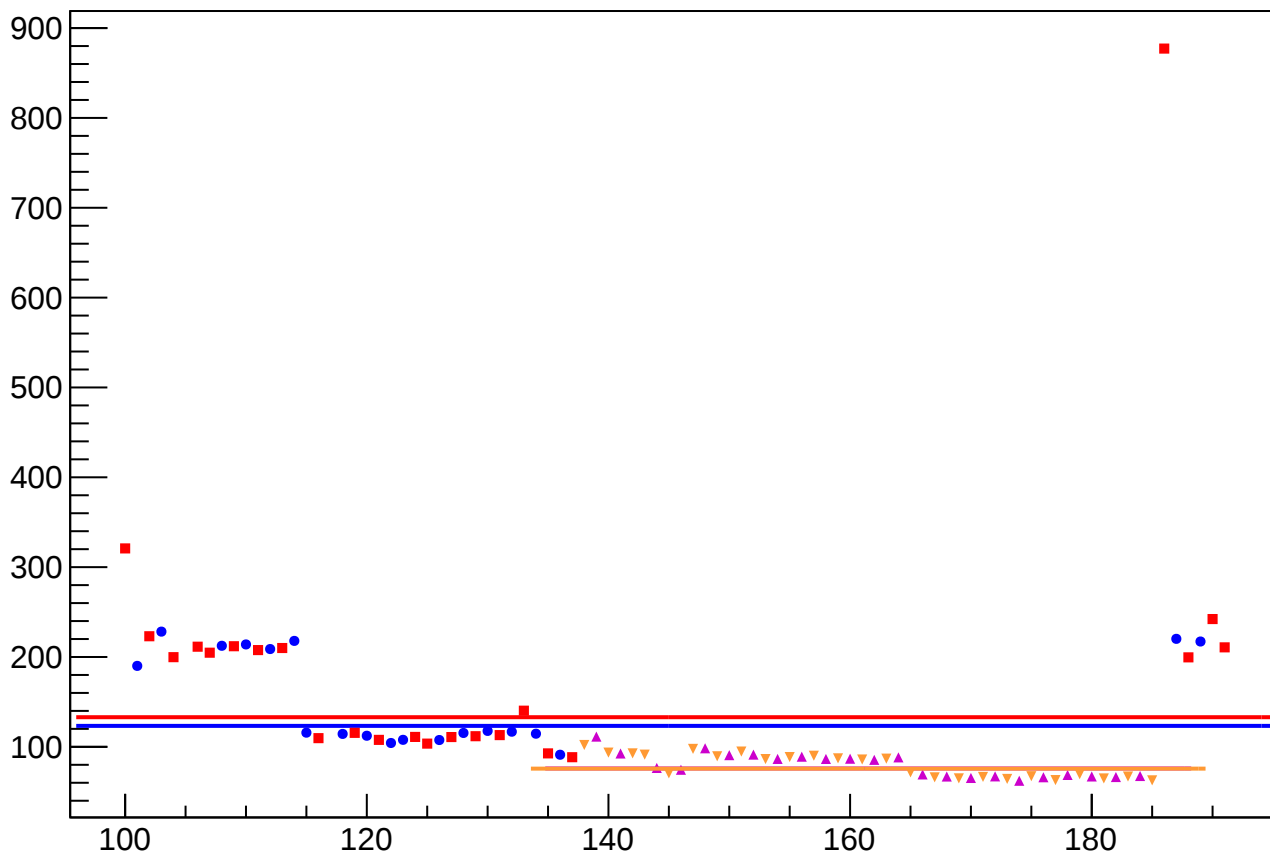
Right: 88.687 $\pm$ 34.130 χ^2 /NDF: 26.9/41

In: 70.694 $\pm$ 17.242 χ^2 /NDF:33.1/41

Out: 12.126 $\pm$ 16.781 χ^2 /NDF:61.0/47

All: 40.618 $\pm$ 12.026 χ^2 /NDF: 100.0/89

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 123.328 $\pm$ 0.034 χ^2 /NDF: 1328828.9/18

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 132.979 $\pm$ 0.034 χ^2 /NDF: 2317375.3/22

Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

Left: 75.824 $\pm$ 0.009 χ^2 /NDF: 1769272.3/47

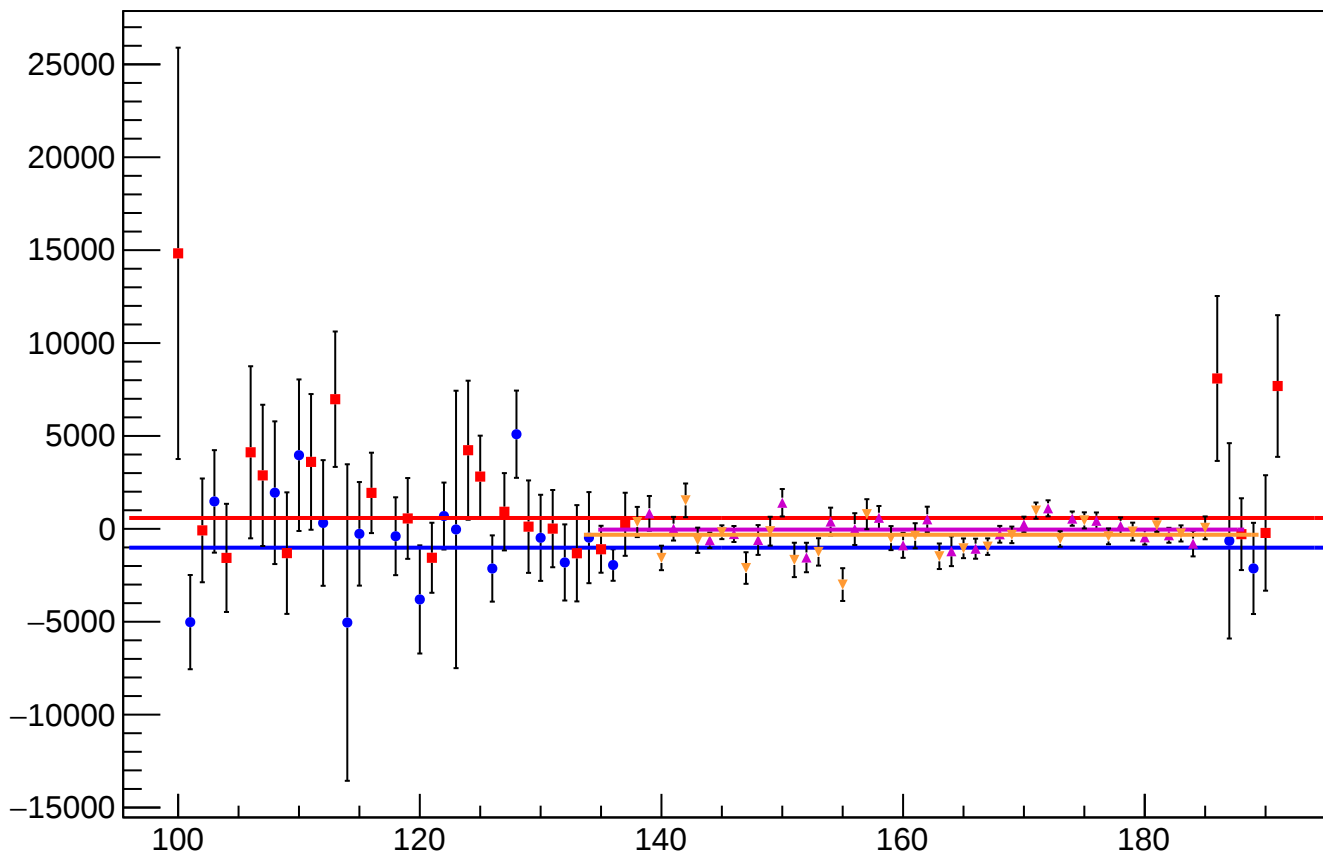
Right: 128.200 $\pm$ 0.024 χ^2 /NDF: 3686186.0/41

In: 81.902 $\pm$ 0.012 χ^2 /NDF:3830306.7/41

Out: 82.728 $\pm$ 0.012 χ^2 /NDF:5748093.1/47

All: 82.326 $\pm$ 0.009 χ^2 /NDF: 9580758.1/89

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -1013.987 $\pm$ 500.257 χ^2 /NDF: 16.6/18

Left Out: -318.064 $\pm$ 108.014 χ^2 /NDF:50.0/24

Right Out: 584.423 $\pm$ 510.605 χ^2 /NDF: 20.0/22

Left In: -40.473 $\pm$ 110.252 χ^2 /NDF:34.7/22

Left: -182.115 $\pm$ 77.156 χ^2 /NDF: 88.0/47

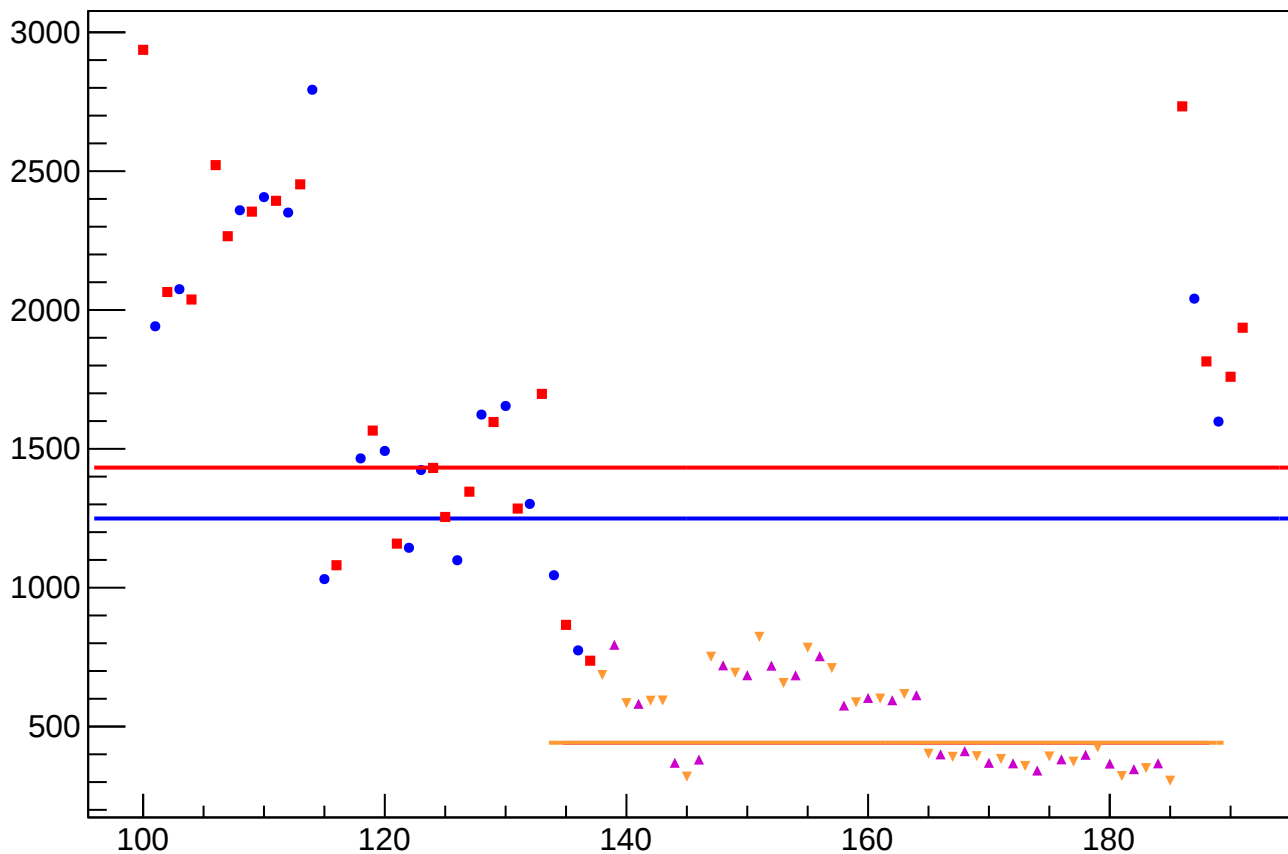
Right: -231.143 $\pm$ 357.337 χ^2 /NDF: 41.6/41

In: -85.568 $\pm$ 107.668 χ^2 /NDF:54.9/41

Out: -279.408 $\pm$ 105.675 χ^2 /NDF:73.1/47

All: -184.299 $\pm$ 75.418 χ^2 /NDF: 129.7/89

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1249.228+/-0.354 χ^2/NDF : 1844112.4/18

Left Out: 441.685+/-0.076 χ^2/NDF : 3169140.9/24

Right Out: 1432.524+/-0.361 χ^2/NDF : 2090236.2/22

Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

Left: 441.354+/-0.055 χ^2/NDF : 5766197.3/47

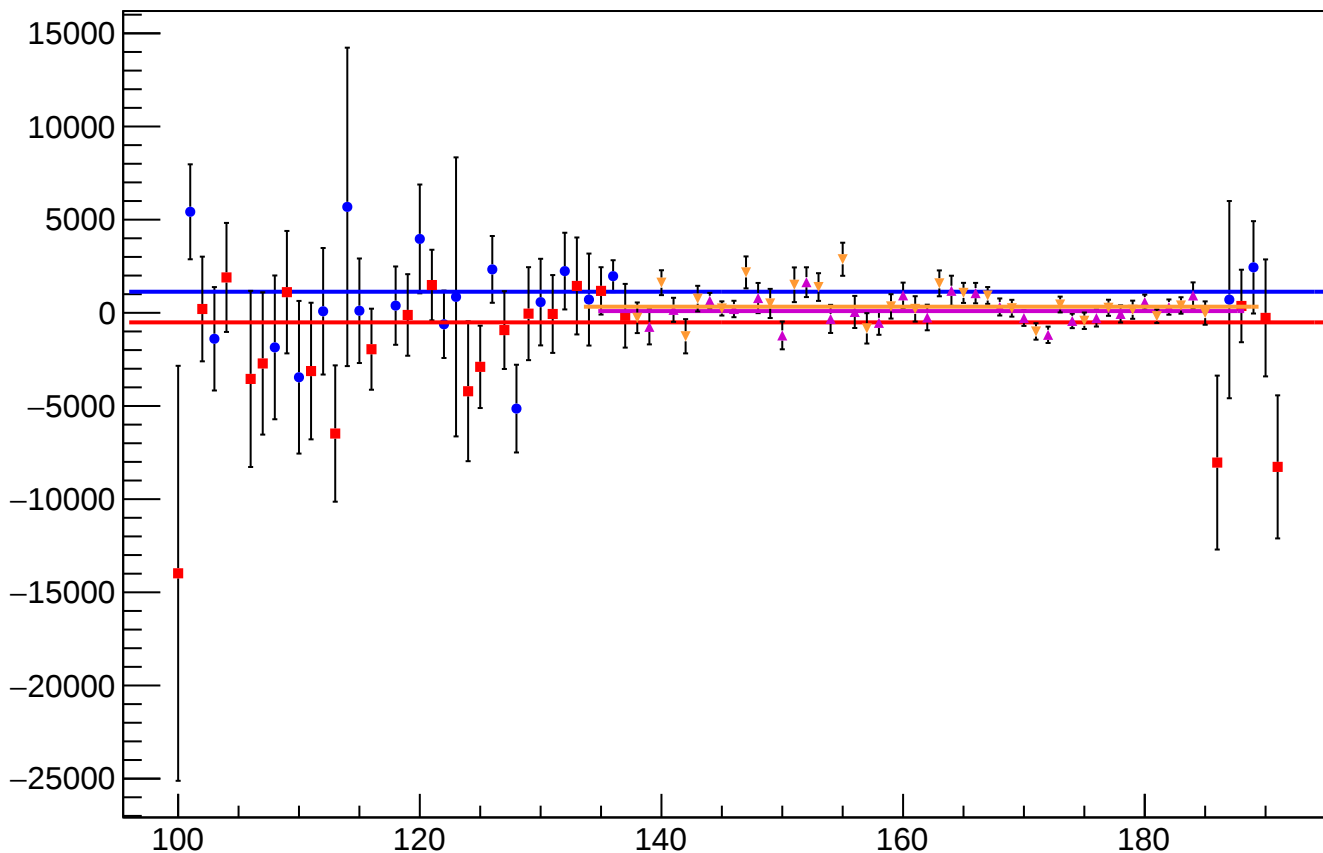
Right: 1339.000+/-0.253 χ^2/NDF : 4065851.9/41

In: 478.447+/-0.076 χ^2/NDF : 9419698.3/41

Out: 484.125+/-0.075 χ^2/NDF : 12468045.9/47

All: 481.339+/-0.053 χ^2/NDF : 21890576.8/89

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1131.704 $\pm$ 503.200 χ^2 /NDF: 17.2/18

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF:47.7/24

Right Out: -512.627 $\pm$ -513.683 χ^2 /NDF: 19.5/22

Left In: 93.310 $\pm$ -111.960 χ^2 /NDF:33.3/22

Left: 213.387 $\pm$ -78.345 χ^2 /NDF: 83.3/47

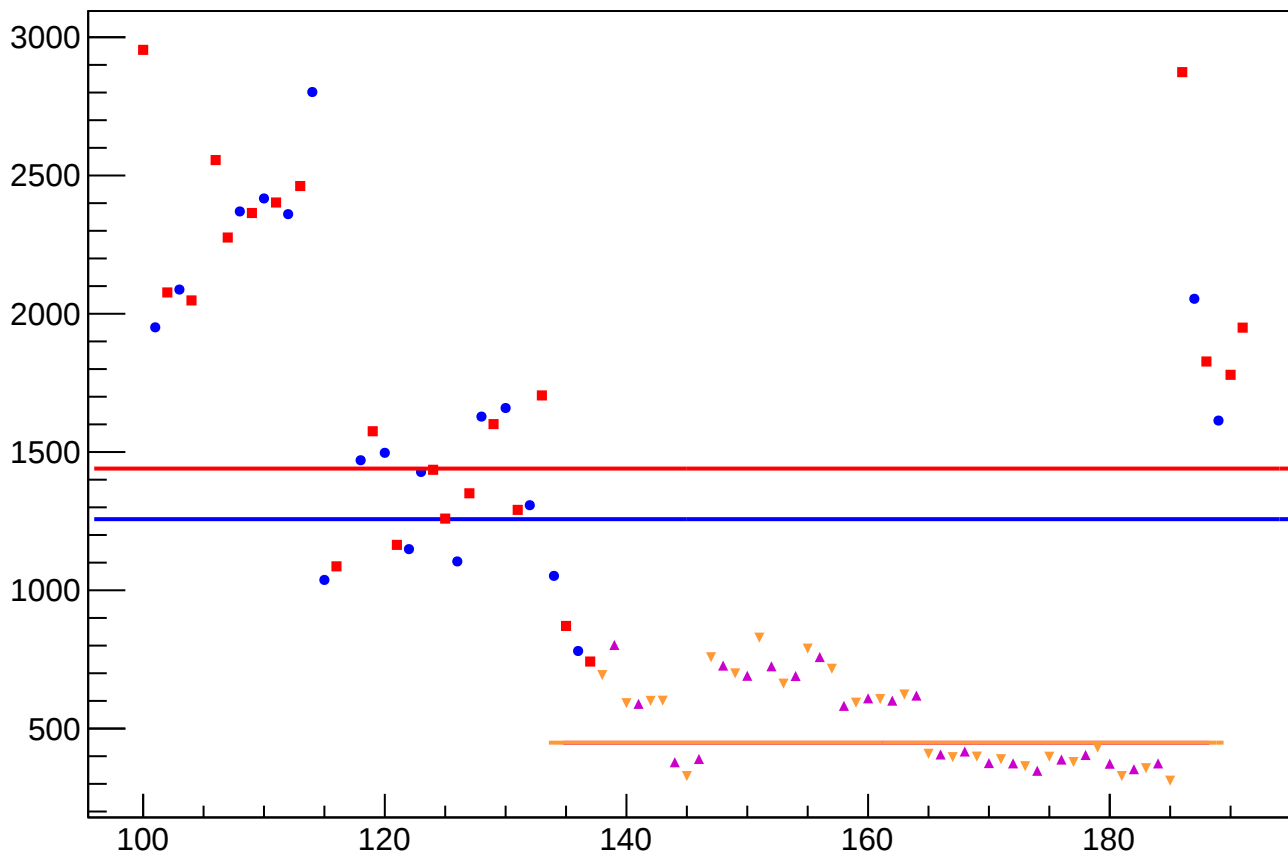
Right: 326.488 $\pm$ -359.465 χ^2 /NDF: 41.9/41

In: 142.291 $\pm$ -109.287 χ^2 /NDF:54.6/41

Out: 291.927 $\pm$ -107.251 χ^2 /NDF:69.8/47

All: 218.516 $\pm$ -76.548 χ^2 /NDF: 125.3/89

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1257.198 $\pm$ 0.356 χ^2/NDF : 1832709.3/18

Left Out: 449.016 $\pm$ 0.078 χ^2/NDF : 3090476.2/24

Right Out: 1440.169 $\pm$ 0.363 χ^2/NDF : 2105481.2/22

Left In: 448.307 $\pm$ 0.079 χ^2/NDF : 2537376.0/22

Left: 448.669 $\pm$ 0.055 χ^2/NDF : 5627893.2/47

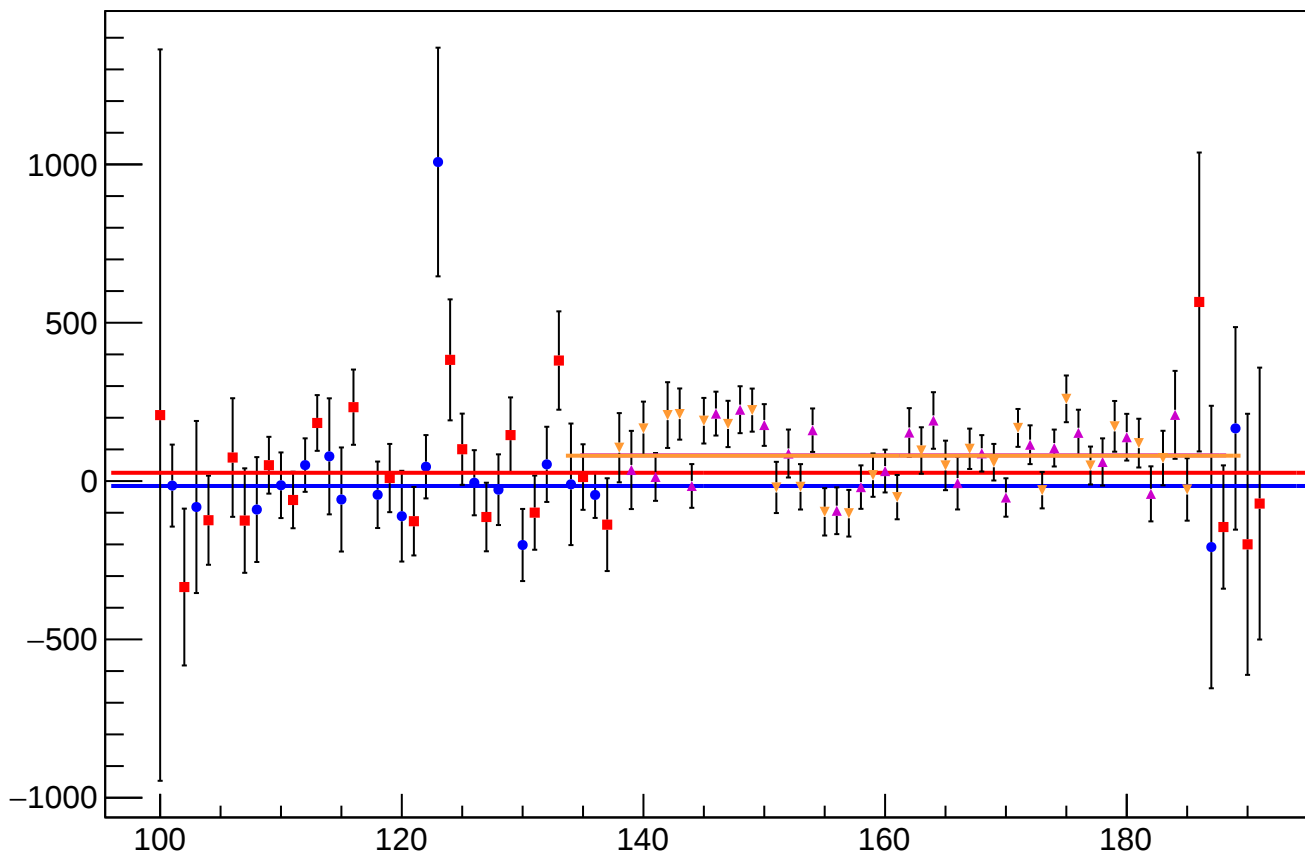
Right: 1346.797 $\pm$ 0.254 χ^2/NDF : 4067679.3/41

In: 486.462 $\pm$ 0.077 χ^2/NDF : 9294392.2/41

Out: 492.223 $\pm$ 0.076 χ^2/NDF : 12317315.8/47

All: 489.397 $\pm$ 0.054 χ^2/NDF : 21614539.7/83

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -15.527 ± 28.729 χ^2/NDF : 13.8/18

Left Out: 80.171 ± 14.592 χ^2/NDF : 48.6/24

Right Out: 26.169 ± 27.596 χ^2/NDF : 30.1/22

Left In: 81.156 ± 15.105 χ^2/NDF : 35.3/22

Left: 80.646 ± 10.495 χ^2/NDF : 83.8/47

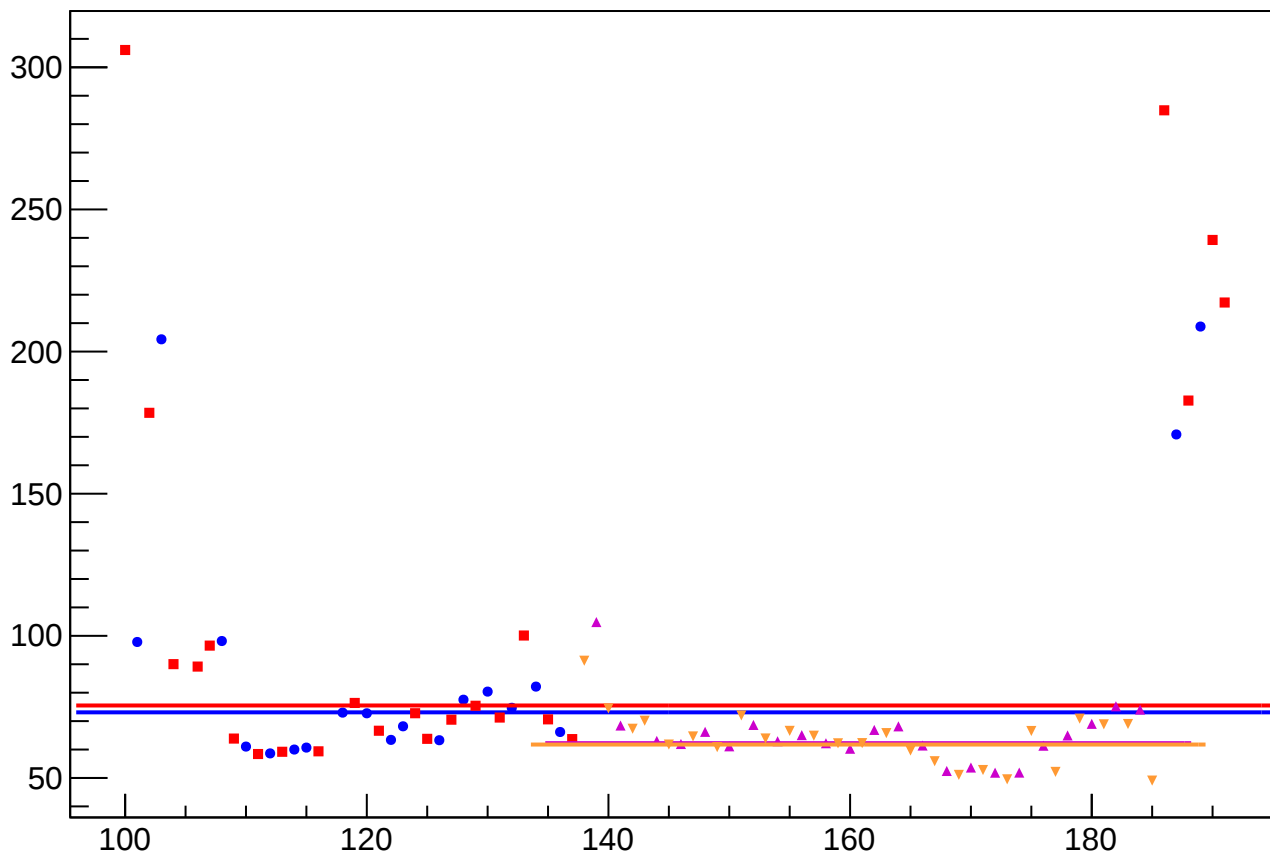
Right: 6.160 ± 19.902 χ^2/NDF : 45.0/41

In: 60.217 ± 13.370 χ^2/NDF : 58.0/41

Out: 68.370 ± 12.900 χ^2/NDF : 81.6/47

All: 64.439 ± 9.283 χ^2/NDF : 139.8/89

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 73.086 $\pm$ 0.020 χ^2 /NDF: 1220513.8/18

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 75.501 $\pm$ 0.020 χ^2 /NDF: 2346929.2/22

Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

Left: 61.997 $\pm$ 0.007 χ^2 /NDF: 1237703.8/47

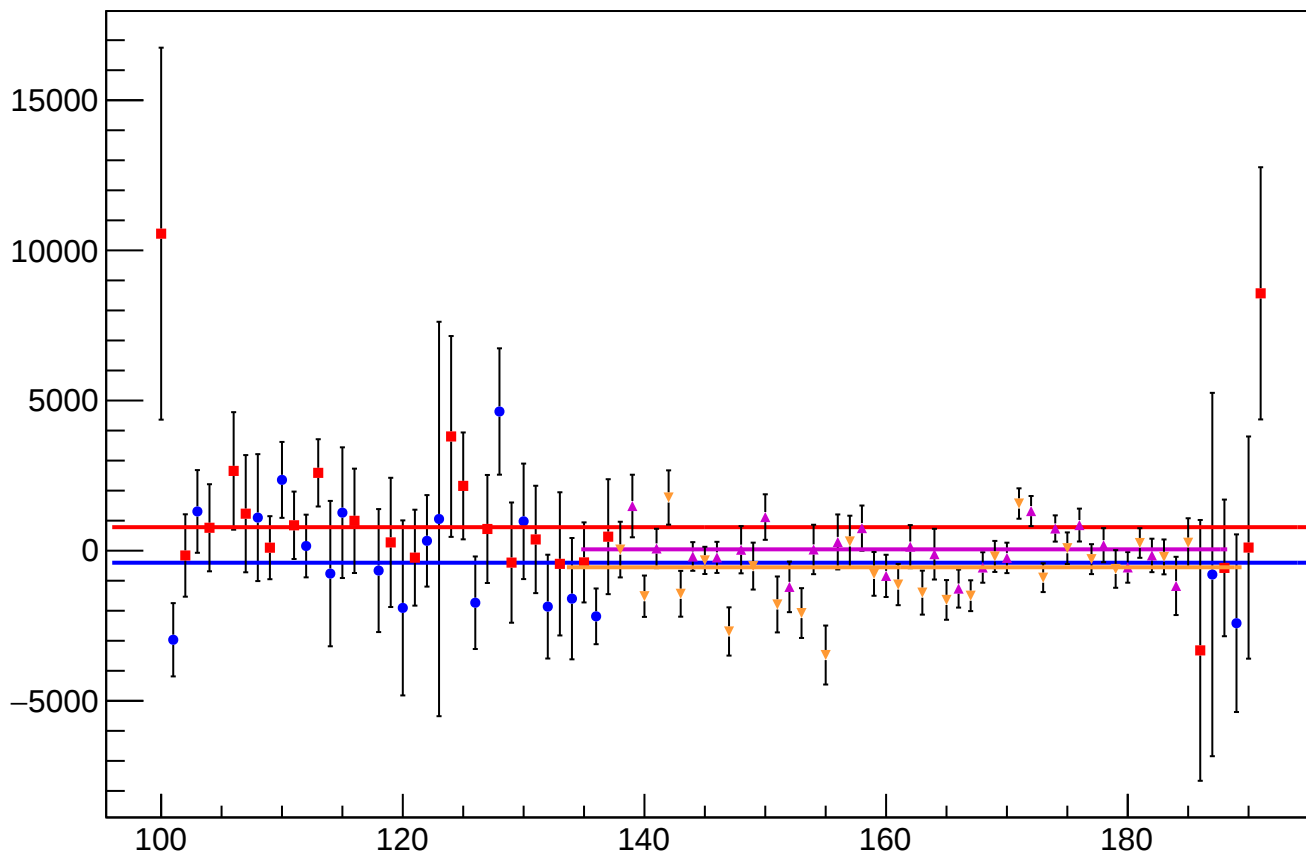
Right: 74.342 $\pm$ 0.014 χ^2 /NDF: 3574795.2/41

In: 64.597 $\pm$ 0.009 χ^2 /NDF: 2034511.0/41

Out: 64.764 $\pm$ 0.009 χ^2 /NDF: 3379956.9/47

All: 64.683 $\pm$ 0.007 χ^2 /NDF: 5414628.9/89

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -401.078 ± 379.061 $\chi^2/\text{NDF}: 24.9/18$

Left Out: -552.511 ± 126.981 $\chi^2/\text{NDF}: 65.3/24$

Right Out: 782.707 ± 361.338 $\chi^2/\text{NDF}: 15.0/22$

Left In: 44.578 ± 129.095 $\chi^2/\text{NDF}: 29.6/22$

Left: -258.894 ± 90.527 $\chi^2/\text{NDF}: 105.7/47$

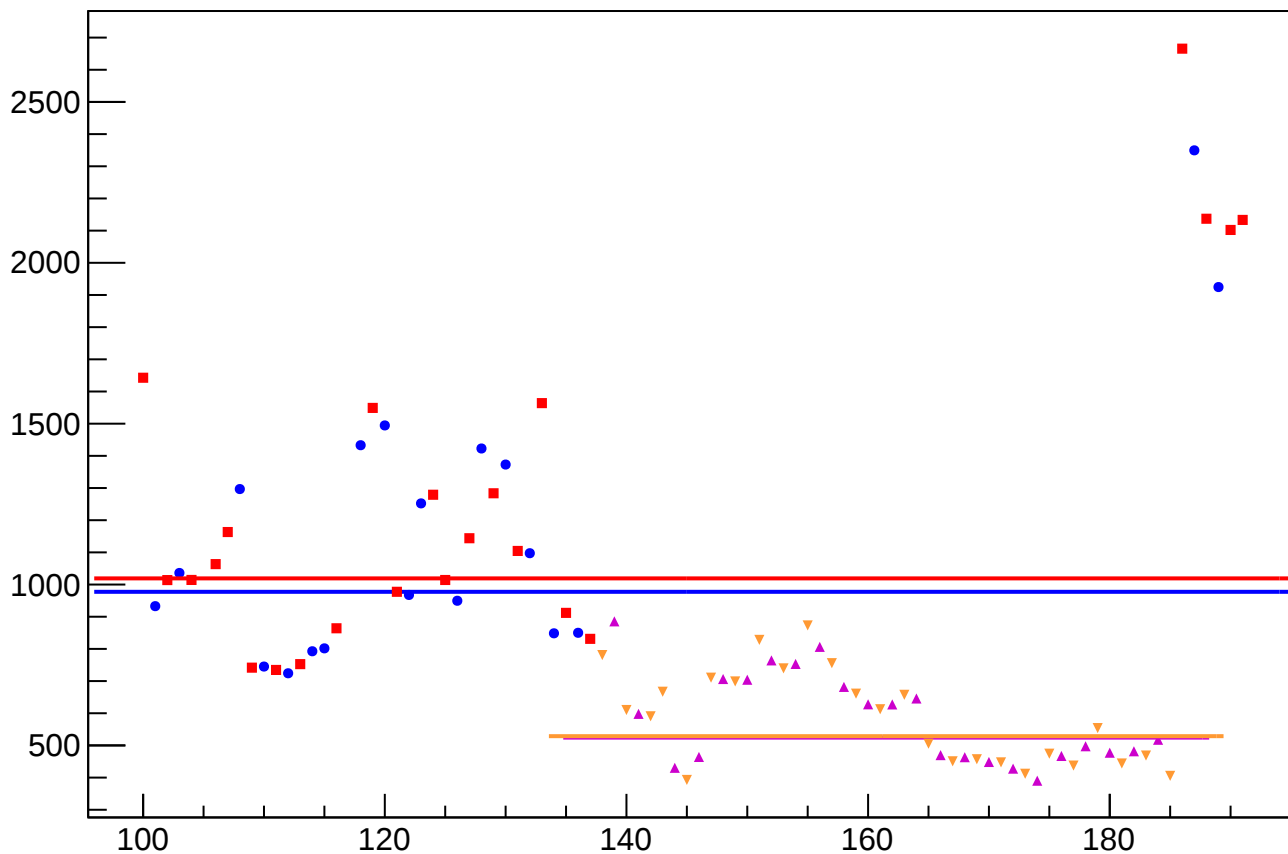
Right: 219.133 ± 261.546 $\chi^2/\text{NDF}: 45.1/41$

In: -1.739 ± 122.202 $\chi^2/\text{NDF}: 55.7/41$

Out: -405.743 ± 119.799 $\chi^2/\text{NDF}: 92.5/47$

All: -207.753 ± 85.548 $\chi^2/\text{NDF}: 153.8/89$

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 977.428+/-0.268 χ^2/NDF : 965926.9/18

Left Out: 528.736+/-0.090 χ^2/NDF : 1983697.7/24

Right Out: 1019.139+/-0.256 χ^2/NDF : 1832636.7/22

Left In: 524.268+/-0.091 χ^2/NDF : 1716257.3/22

Left: 526.539+/-0.064 χ^2/NDF : 3701172.5/47

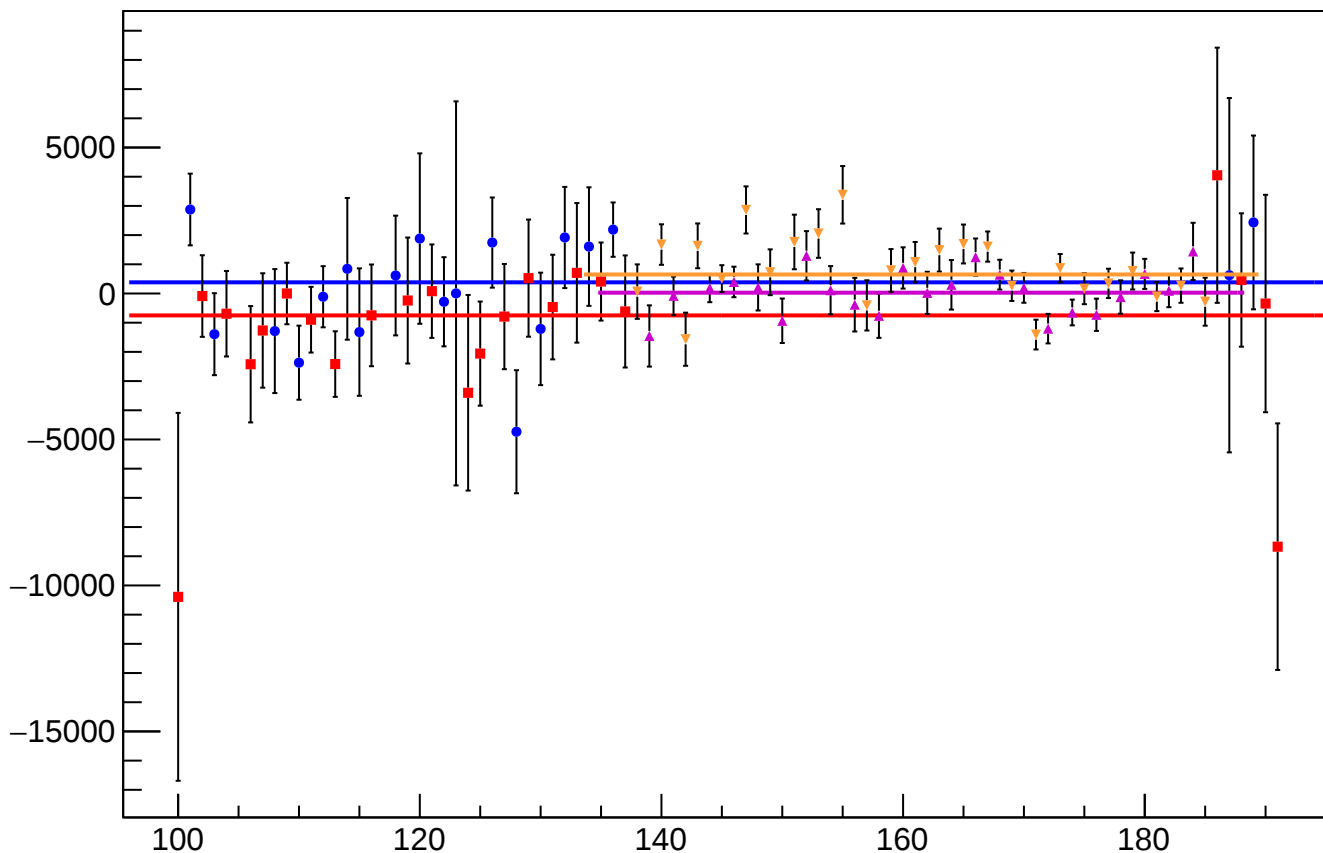
Right: 999.281+/-0.185 χ^2/NDF : 2811251.4/41

In: 571.365+/-0.086 χ^2/NDF : 5243464.5/41

Out: 582.641+/-0.085 χ^2/NDF : 7095305.3/47

All: 577.115+/-0.060 χ^2/NDF : 12347453.6/89

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 382.423+/-380.790 χ^2/NDF : 25.1/18

Left Out: 651.560+/-127.961 χ^2/NDF : 61.1/24

Right Out: -750.858+/-363.167 χ^2/NDF : 14.1/22

Left In: 27.483+/-130.127 χ^2/NDF : 28.5/22

Left: 344.758+/-91.238 χ^2/NDF : 101.2/47

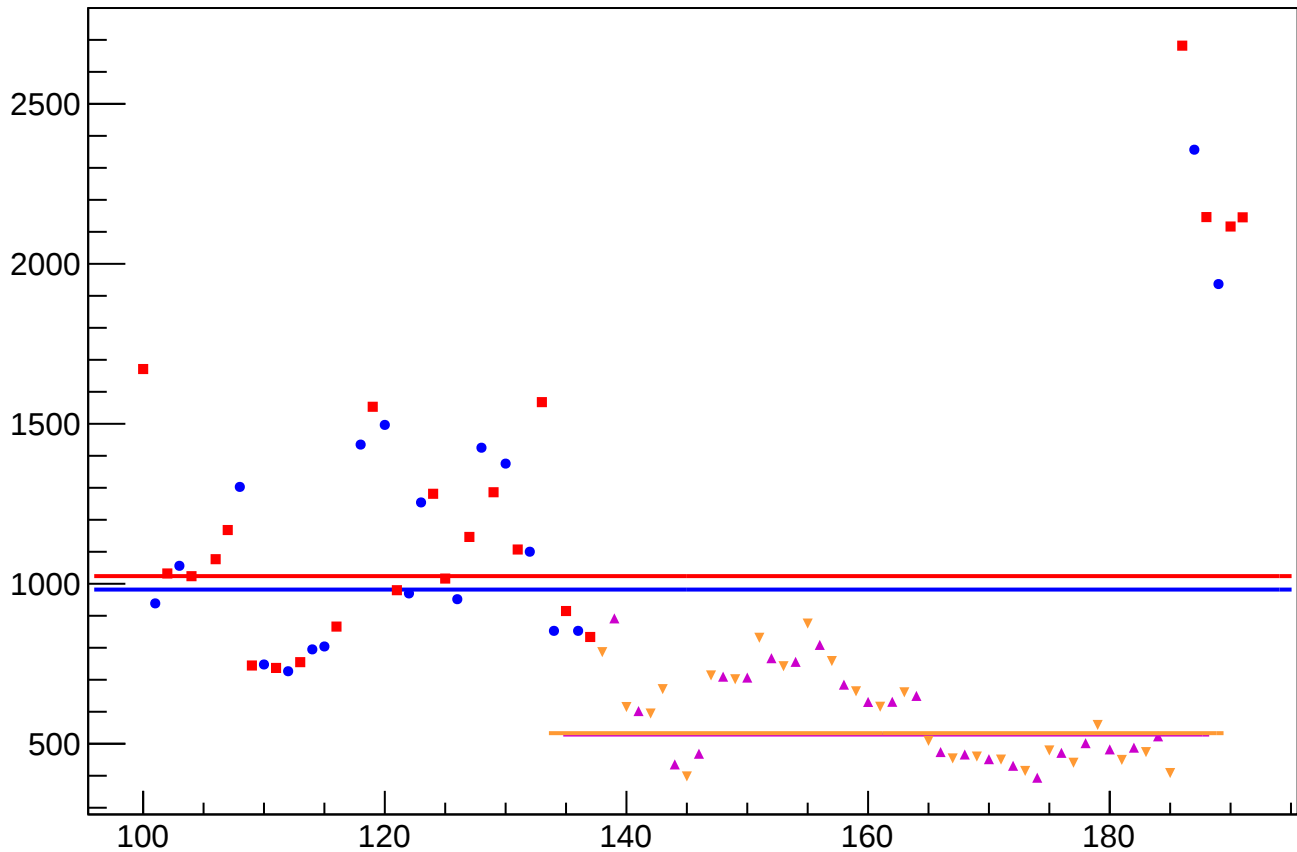
Right: -211.048+/-262.807 χ^2/NDF : 43.9/41

In: 64.598+/-123.135 χ^2/NDF : 54.4/41

Out: 496.679+/-120.689 χ^2/NDF : 88.5/47

All: 284.974+/-86.192 χ^2/NDF : 149.2/89

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.882 ± 0.269 $\chi^2/\text{NDF}: 966544.4/18$

Left Out: 533.060 ± 0.090 $\chi^2/\text{NDF}: 1951536.4/24$

Right Out: 1023.949 ± 0.257 $\chi^2/\text{NDF}: 1836581.6/22$

Left In: 528.694 ± 0.092 $\chi^2/\text{NDF}: 1688511.2/22$

Left: 530.914 ± 0.065 $\chi^2/\text{NDF}: 3641192.3/47$

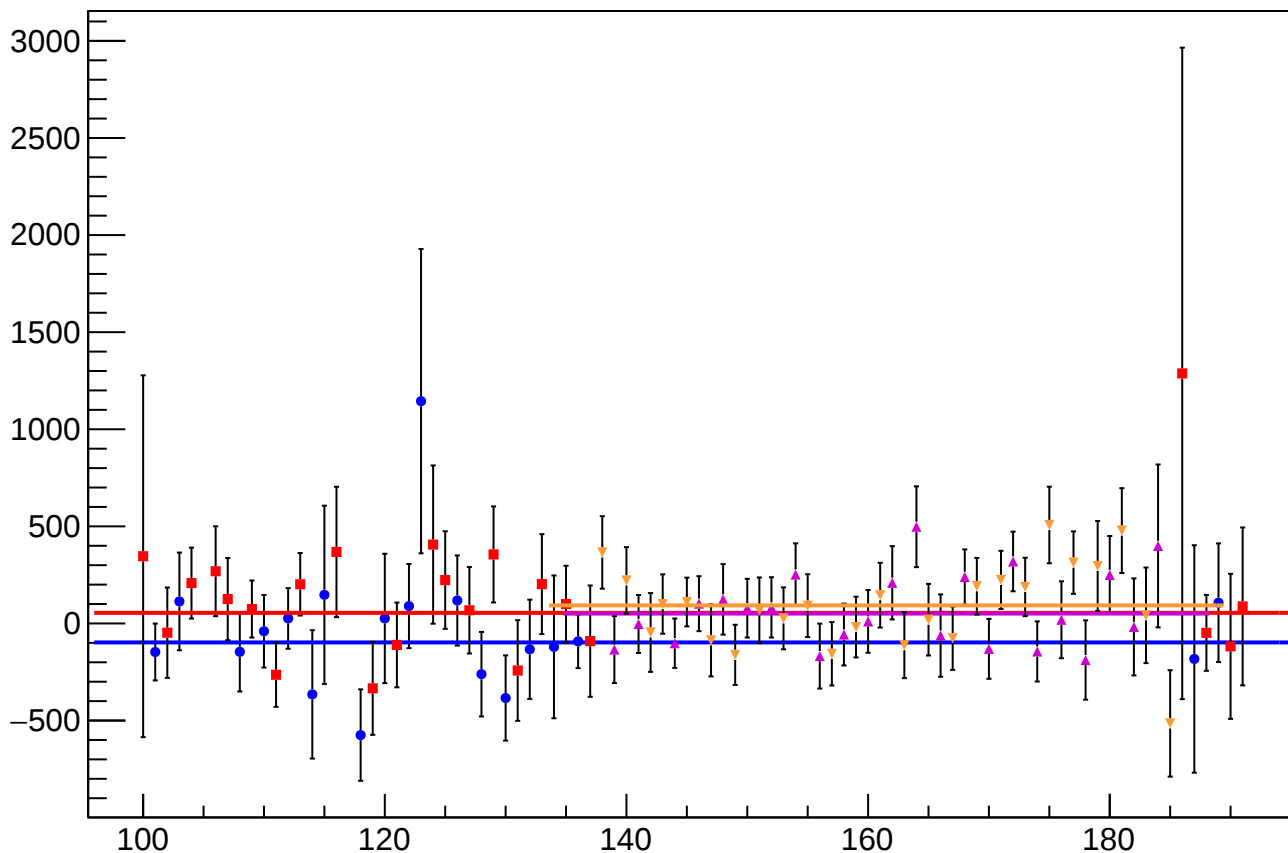
Right: 1003.912 ± 0.186 $\chi^2/\text{NDF}: 2815908.0/41$

In: 576.083 ± 0.087 $\chi^2/\text{NDF}: 5191638.9/41$

Out: 587.273 ± 0.085 $\chi^2/\text{NDF}: 7038697.0/47$

All: 581.790 ± 0.061 $\chi^2/\text{NDF}: 12238760.9/89$

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -97.721 ± 52.035 χ^2/NDF : 13.7/18

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 54.533 ± 48.484 χ^2/NDF : 16.3/22

Left In: 50.896 ± 35.280 χ^2/NDF : 23.5/22

Left: 72.689 ± 24.502 χ^2/NDF : 53.6/47

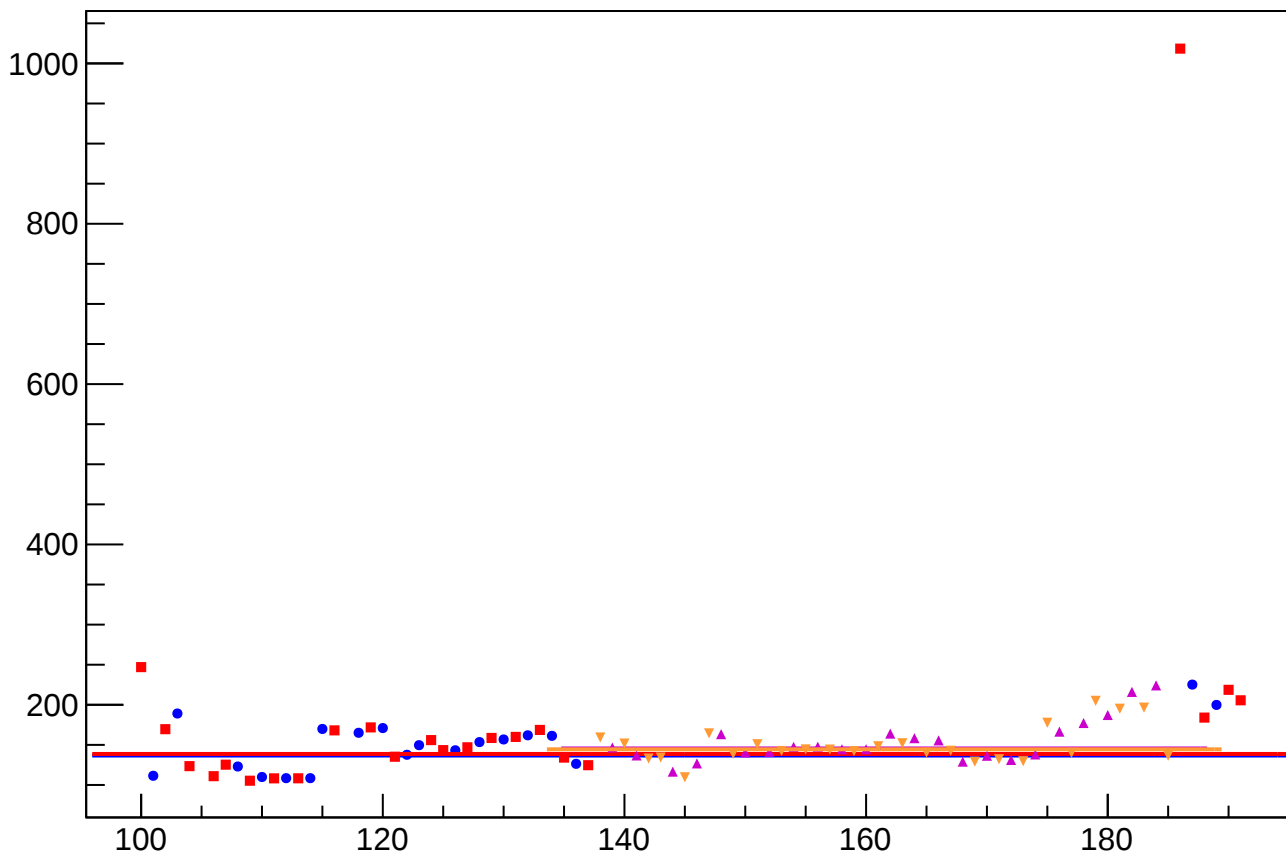
Right: -16.222 ± 35.472 χ^2/NDF : 34.5/41

In: 4.093 ± 29.201 χ^2/NDF : 42.7/41

Out: 80.288 ± 27.867 χ^2/NDF : 46.1/47

All: 43.971 ± 20.160 χ^2/NDF : 92.4/89

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 136.747 $\pm$ 0.037 χ^2 /NDF: 538285.4/18

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 138.668 $\pm$ 0.034 χ^2 /NDF: 1279384.9/22

Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

Left: 144.986 $\pm$ 0.017 χ^2 /NDF: 1314951.6/47

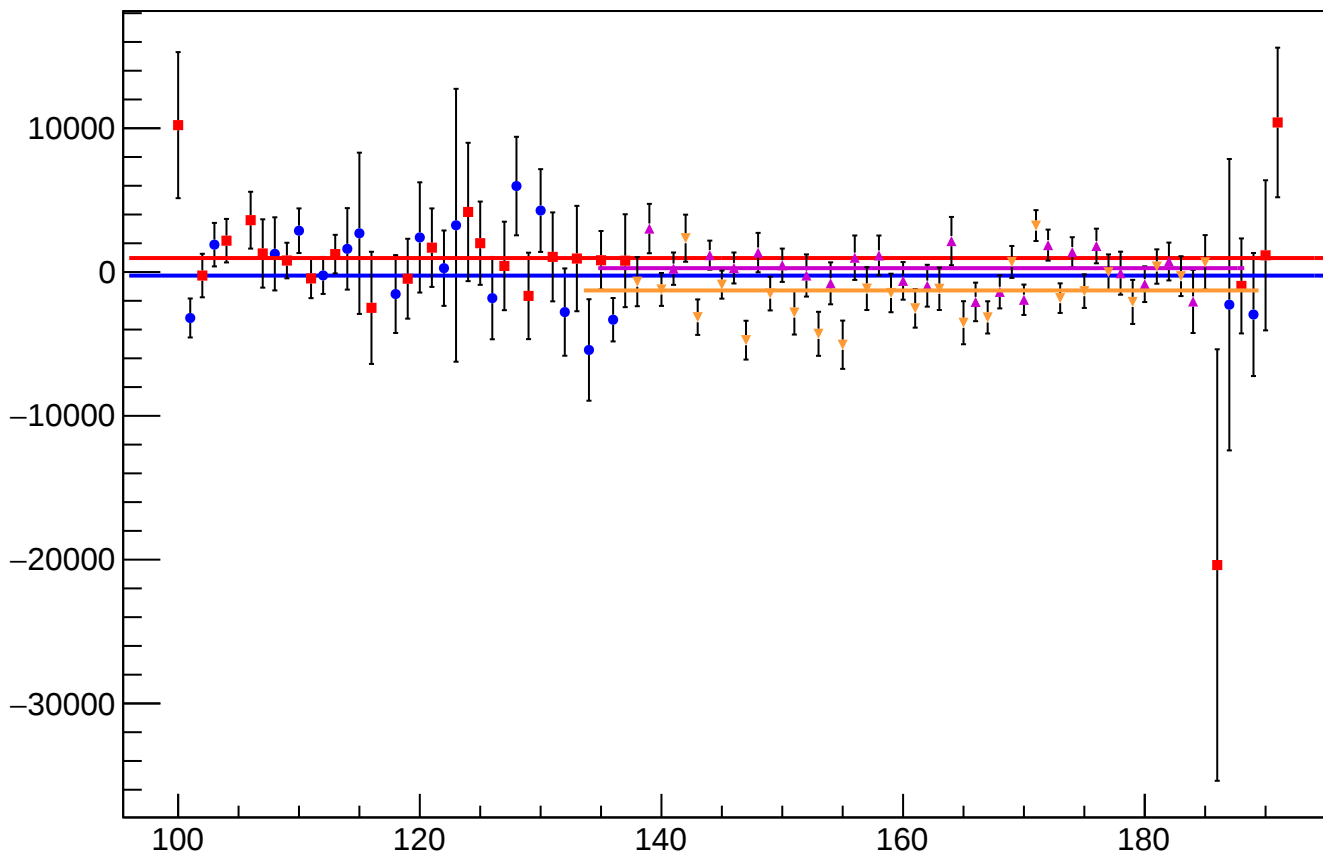
Right: 137.775 $\pm$ 0.025 χ^2 /NDF: 1819129.0/41

In: 142.767 $\pm$ 0.021 χ^2 /NDF: 1220889.4/41

Out: 142.557 $\pm$ 0.020 χ^2 /NDF: 1969087.1/47

All: 142.657 $\pm$ 0.014 χ^2 /NDF: 3190031.0/89

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -247.894+/-520.296 χ^2/NDF : 26.2/18

Left Out: -1279.328+/-259.299 χ^2/NDF :55.9/24

Right Out: 973.034+/-472.364 χ^2/NDF : 15.7/22

Left In: 269.952+/-266.245 χ^2/NDF :24.3/22

Left: -525.161+/-185.759 χ^2/NDF : 97.6/47

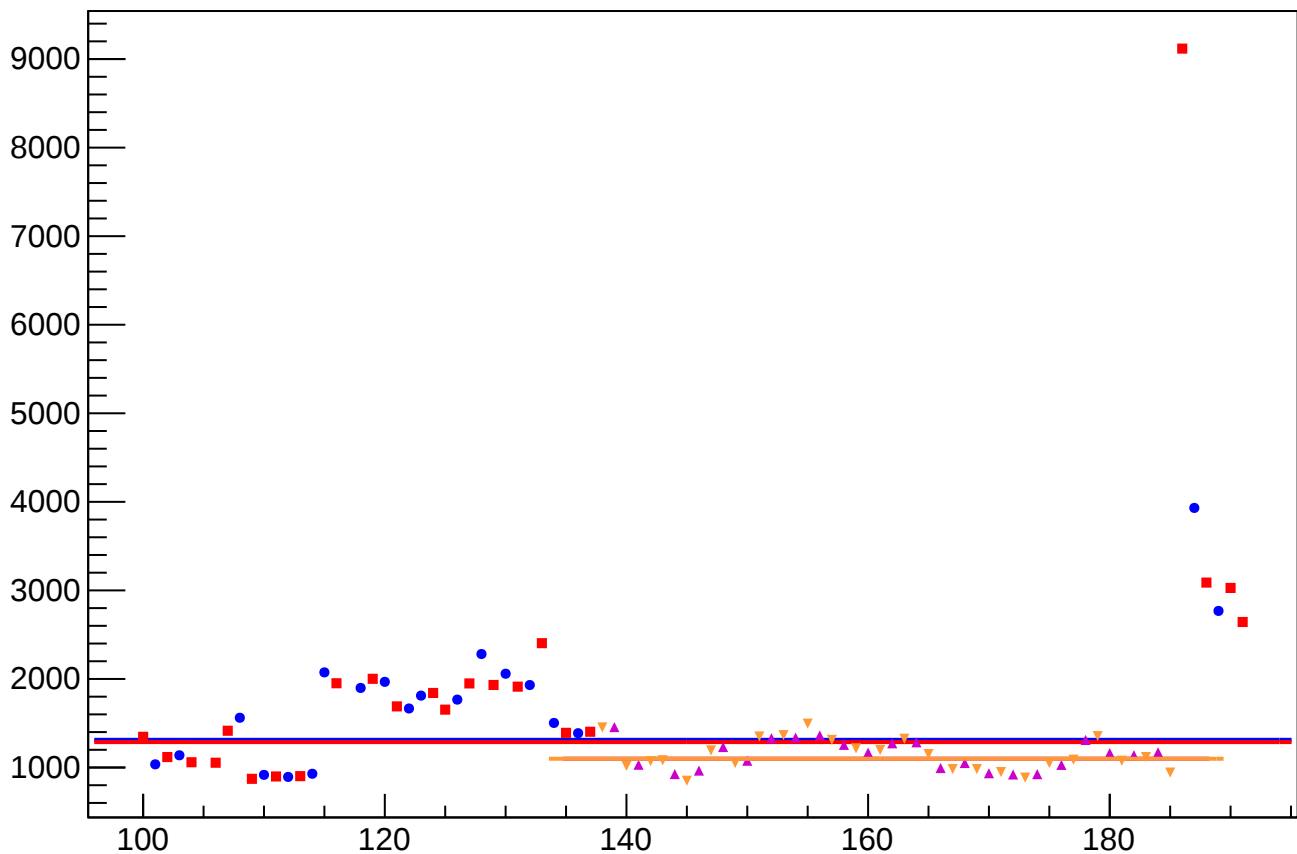
Right: 421.387+/-349.733 χ^2/NDF : 44.9/41

In: 162.491+/-237.016 χ^2/NDF :51.3/41

Out: -757.776+/-227.304 χ^2/NDF :89.1/47

All: -316.883+/-164.054 χ^2/NDF : 148.2/89

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1312.812 $\pm$ 0.368 χ^2 /NDF: 1542768.9/18

Left Out: 1098.909 $\pm$ 0.183 χ^2 /NDF: 824328.7/24

Right Out: 1286.986 $\pm$ 0.334 χ^2 /NDF: 2905002.8/22

Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

Left: 1099.238 $\pm$ 0.131 χ^2 /NDF: 1504231.4/47

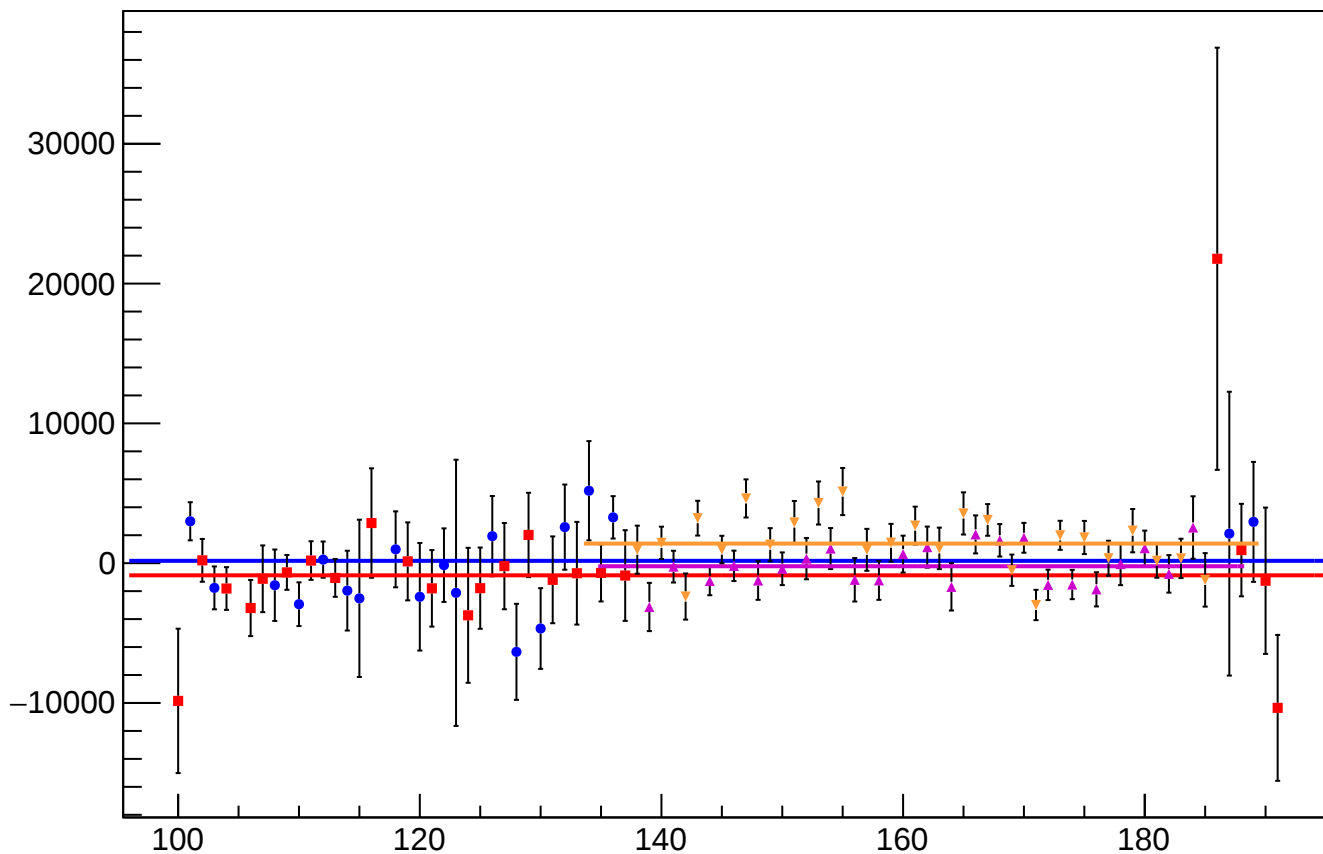
Right: 1298.655 $\pm$ 0.247 χ^2 /NDF: 4450473.1/41

In: 1143.833 $\pm$ 0.168 χ^2 /NDF: 2488862.8/41

Out: 1142.460 $\pm$ 0.161 χ^2 /NDF: 3972977.1/47

All: 1143.118 $\pm$ 0.116 χ^2 /NDF: 6461874.9/89

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 167.730+/-523.647 χ^2/NDF : 25.8/18

Left Out: 1400.458+/-261.804 χ^2/NDF : 52.2/24

Right Out: -868.149+/-475.889 χ^2/NDF : 14.3/22

Left In: -219.393+/-268.852 χ^2/NDF : 25.0/22

Left: 612.044+/-187.566 χ^2/NDF : 95.9/47

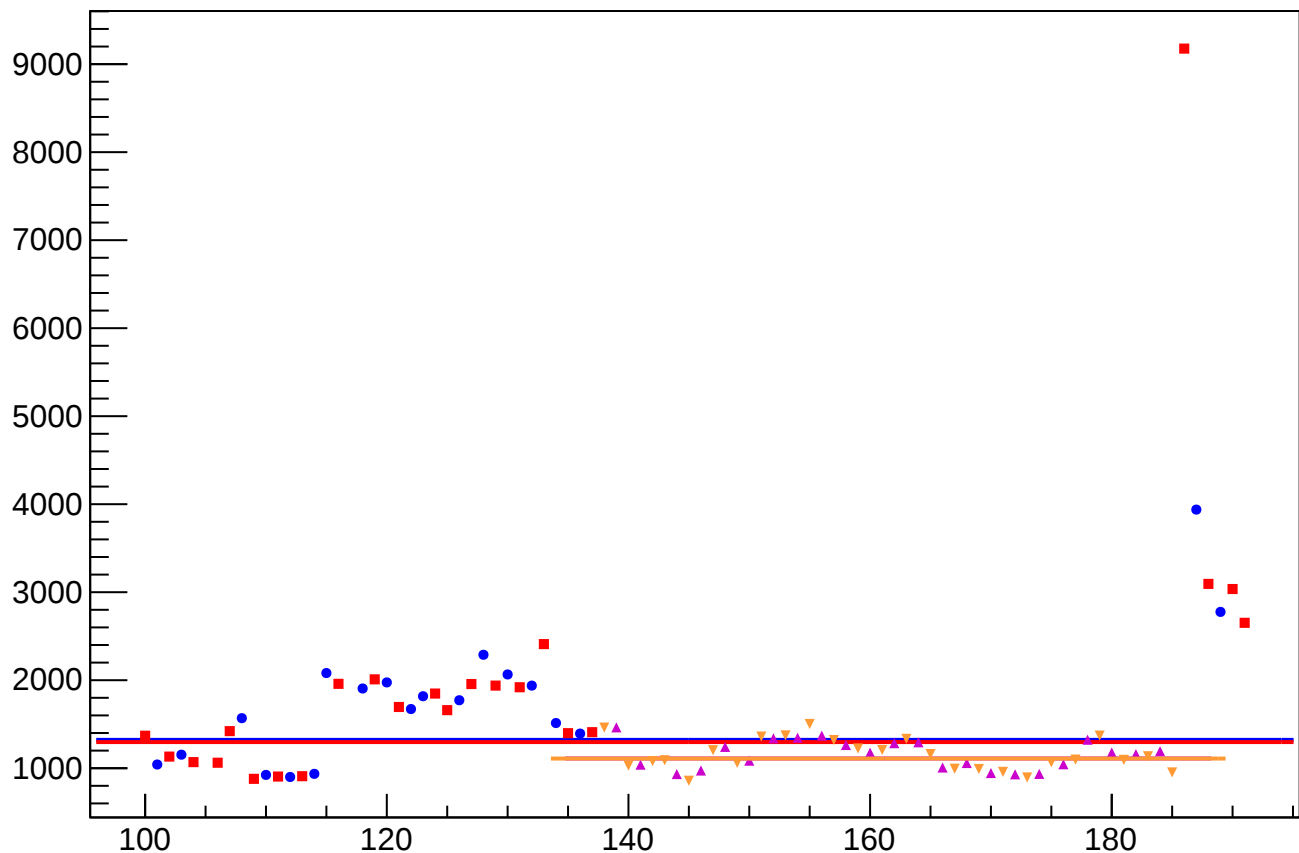
Right: -399.592+/-352.181 χ^2/NDF : 42.2/41

In: -138.634+/-239.171 χ^2/NDF : 51.2/41

Out: 873.382+/-229.383 χ^2/NDF : 84.0/47

All: 388.504+/-165.551 χ^2/NDF : 144.5/89

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1322.125+/-0.370 χ^2/NDF : 1527429.9/18

Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24

Right Out: 1297.181+/-0.337 χ^2/NDF : 2882063.6/22

Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

Left: 1110.141+/-0.133 χ^2/NDF : 1482112.5/47

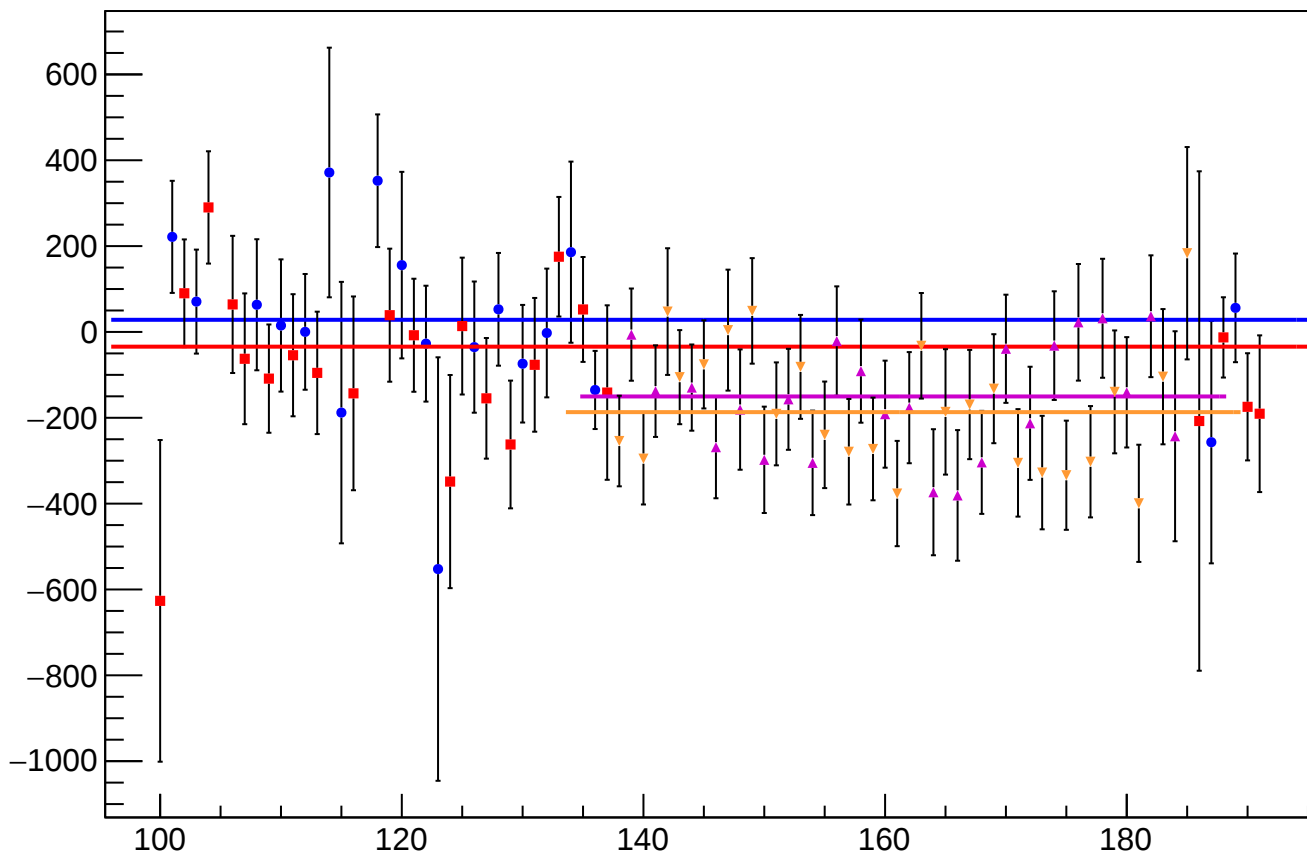
Right: 1308.464+/-0.249 χ^2/NDF : 4411979.0/41

In: 1154.681+/-0.169 χ^2/NDF : 2455766.8/41

Out: 1153.305+/-0.162 χ^2/NDF : 3932372.9/47

All: 1153.964+/-0.117 χ^2/NDF : 6388174.1/89

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected

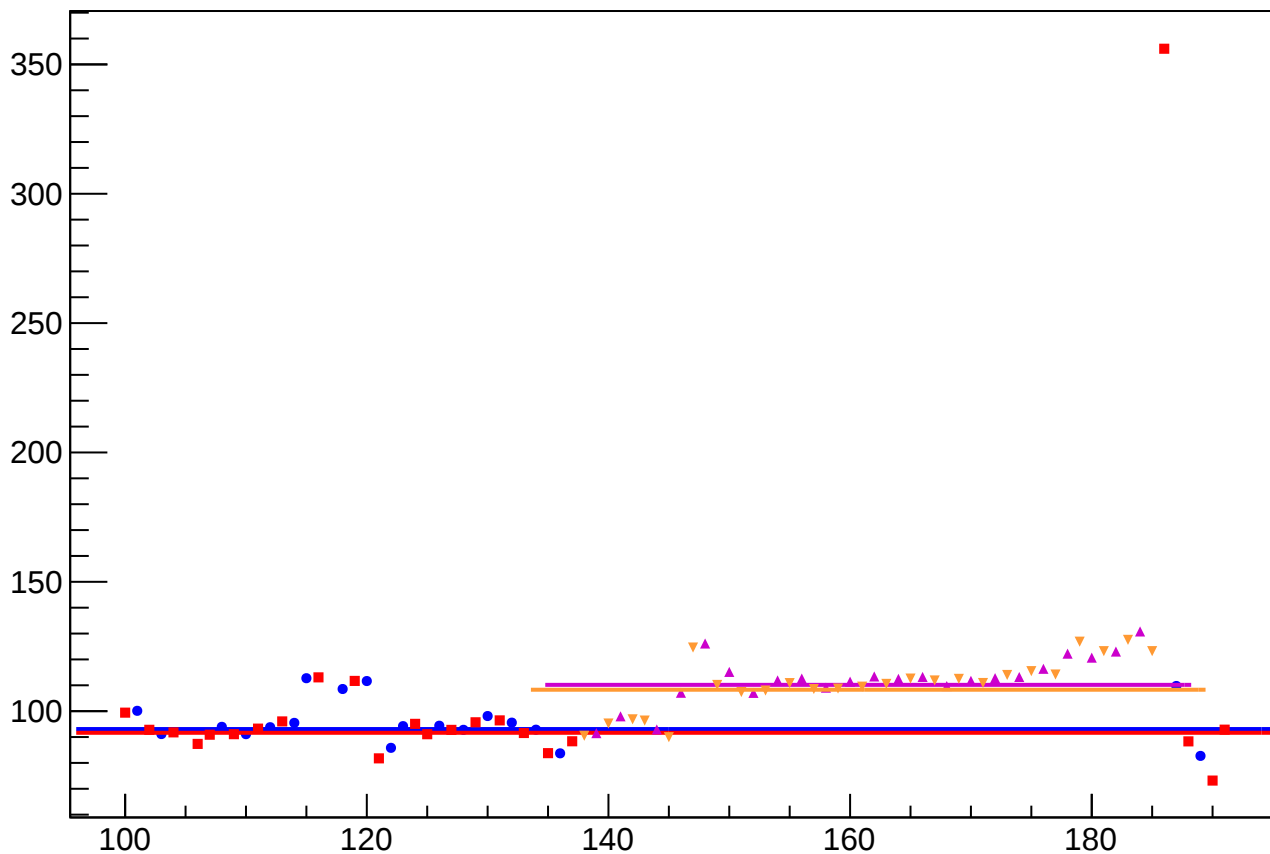


Right In: 28.294 ± 34.749 $\chi^2/\text{NDF}: 16.3/18$
 Left Out: -186.838 ± 25.308 $\chi^2/\text{NDF}: 26.6/24$
 Right Out: -34.291 ± 31.033 $\chi^2/\text{NDF}: 21.1/22$
 Left In: -150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

Left: -169.379 ± 18.284 $\chi^2/\text{NDF}: 48.3/47$
 Right: -6.523 ± 23.146 $\chi^2/\text{NDF}: 39.2/41$
 In: -84.809 ± 21.044 $\chi^2/\text{NDF}: 53.7/41$
 Out: -125.905 ± 19.613 $\chi^2/\text{NDF}: 62.2/47$

All: -106.802 ± 14.348 $\chi^2/\text{NDF}: 118.0/89$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.088+/-0.025 χ^2/NDF : 100789.6/18

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 91.642+/-0.022 χ^2/NDF : 539701.7/22

Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

Left: 109.189+/-0.013 χ^2/NDF : 582969.0/47

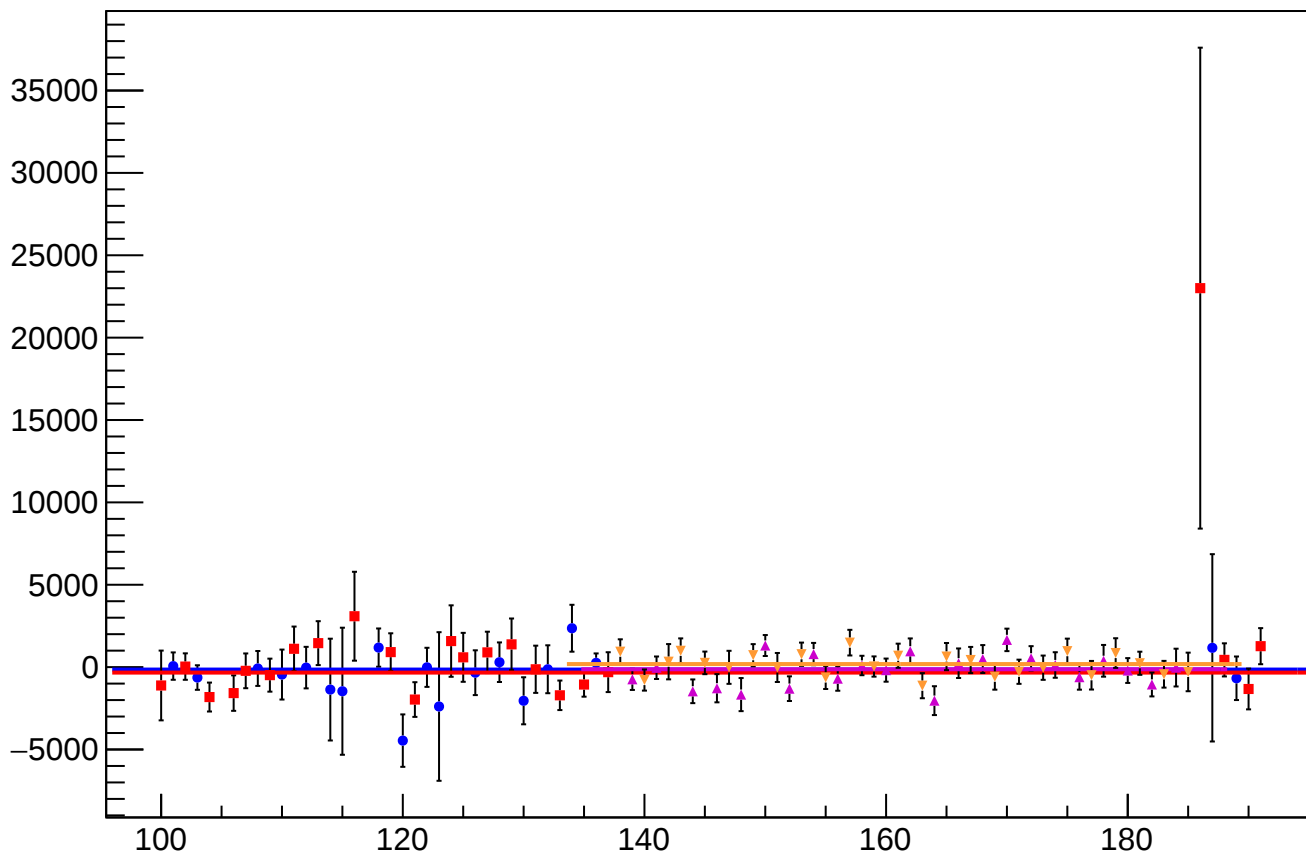
Right: 92.283+/-0.016 χ^2/NDF : 642418.2/41

In: 103.907+/-0.015 χ^2/NDF : 653931.3/41

Out: 101.639+/-0.014 χ^2/NDF : 1215985.5/47

All: 102.693+/-0.010 χ^2/NDF : 1882353.6/89

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -148.110+/-270.864 χ^2/NDF : 15.5/18

Left Out: 185.392+/-153.683 χ^2/NDF : 18.4/24

Right Out: -332.053+/-241.156 χ^2/NDF : 25.3/22

Left In: -128.782+/-157.155 χ^2/NDF : 36.2/22

Left: 31.814+/-109.877 χ^2/NDF : 56.6/47

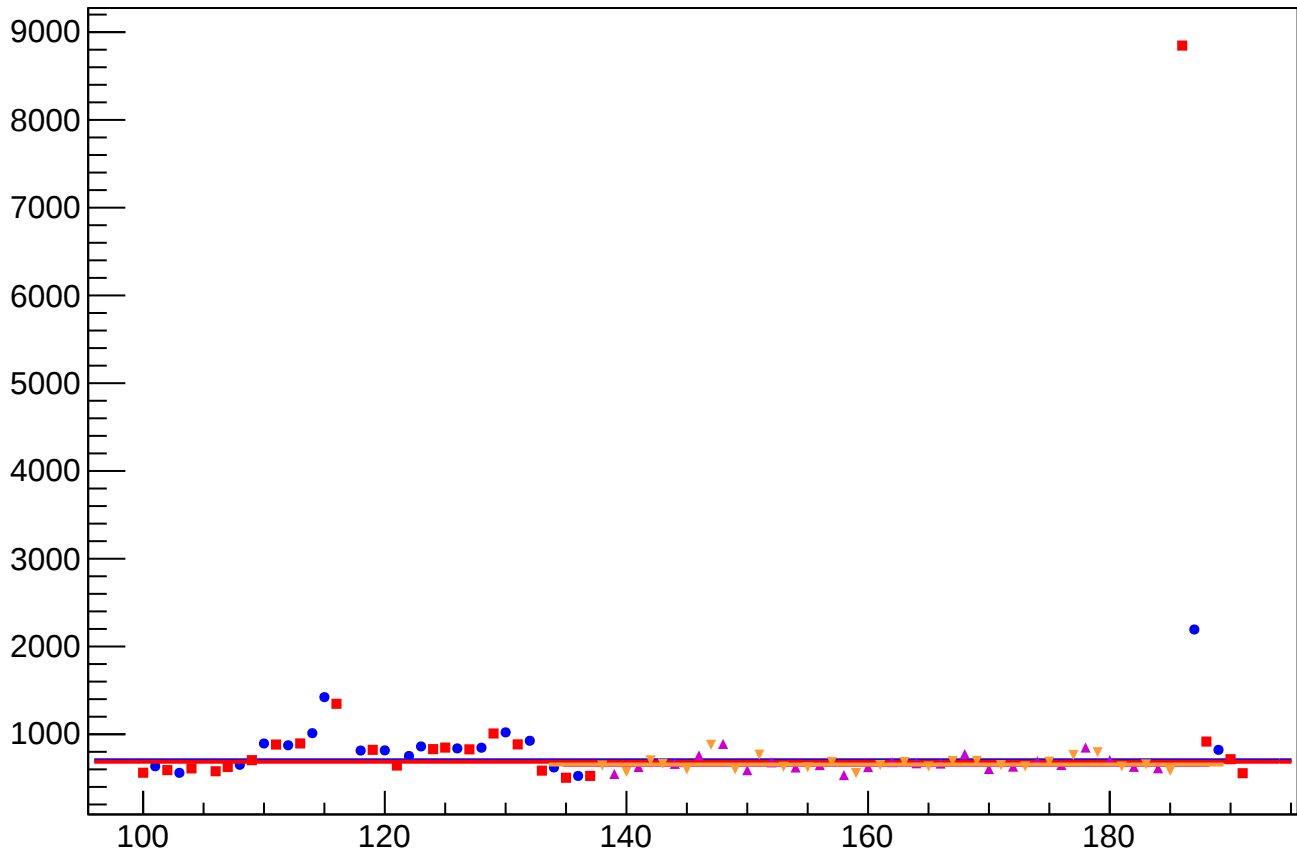
Right: -250.719+/-180.114 χ^2/NDF : 41.1/41

In: -133.650+/-135.932 χ^2/NDF : 51.7/41

Out: 35.942+/-129.603 χ^2/NDF : 47.0/47

All: -44.814+/-93.801 χ^2/NDF : 99.5/89

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 703.566 $\pm$ 0.192 χ^2 /NDF: 833420.4/18

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF:367349.8/24

Right Out: 686.933 $\pm$ 0.171 χ^2 /NDF: 1443142.6/22

Left In: 650.883 $\pm$ 0.111 χ^2 /NDF:466116.8/22

Left: 653.067 $\pm$ 0.078 χ^2 /NDF: 834222.1/47

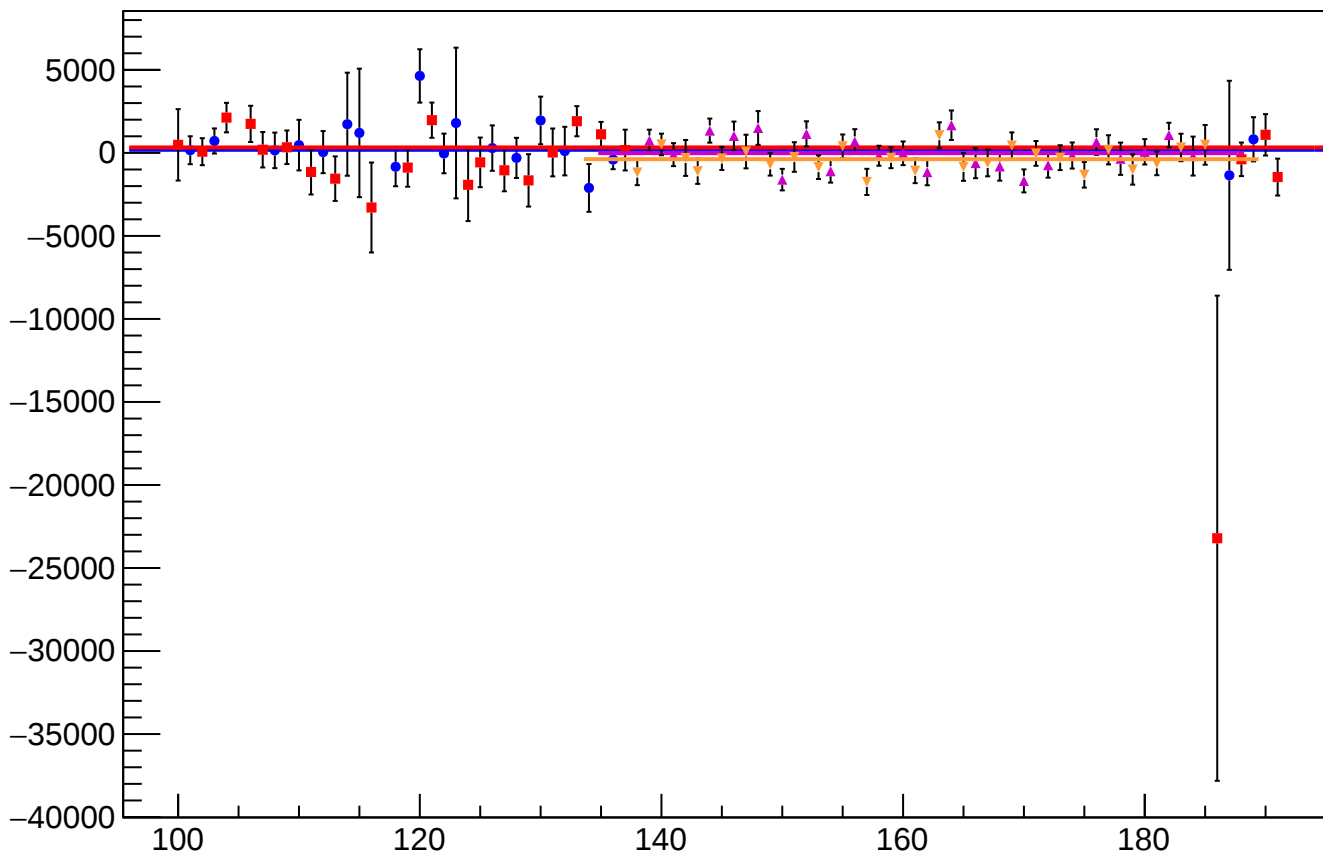
Right: 694.288 $\pm$ 0.127 χ^2 /NDF: 2280770.1/41

In: 664.151 $\pm$ 0.096 χ^2 /NDF:1356142.6/41

Out: 664.333 $\pm$ 0.092 χ^2 /NDF:1835189.8/47

All: 664.247 $\pm$ 0.066 χ^2 /NDF: 3191334.3/89

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 187.803+/-273.519 χ^2/NDF : 15.0/18

Left Out: -379.470+/-155.892 χ^2/NDF :18.8/24

Right Out: 328.416+/-243.585 χ^2/NDF : 28.8/22

Left In: -14.768+/-159.513 χ^2/NDF :37.2/22

Left: -201.306+/-111.491 χ^2/NDF : 58.7/47

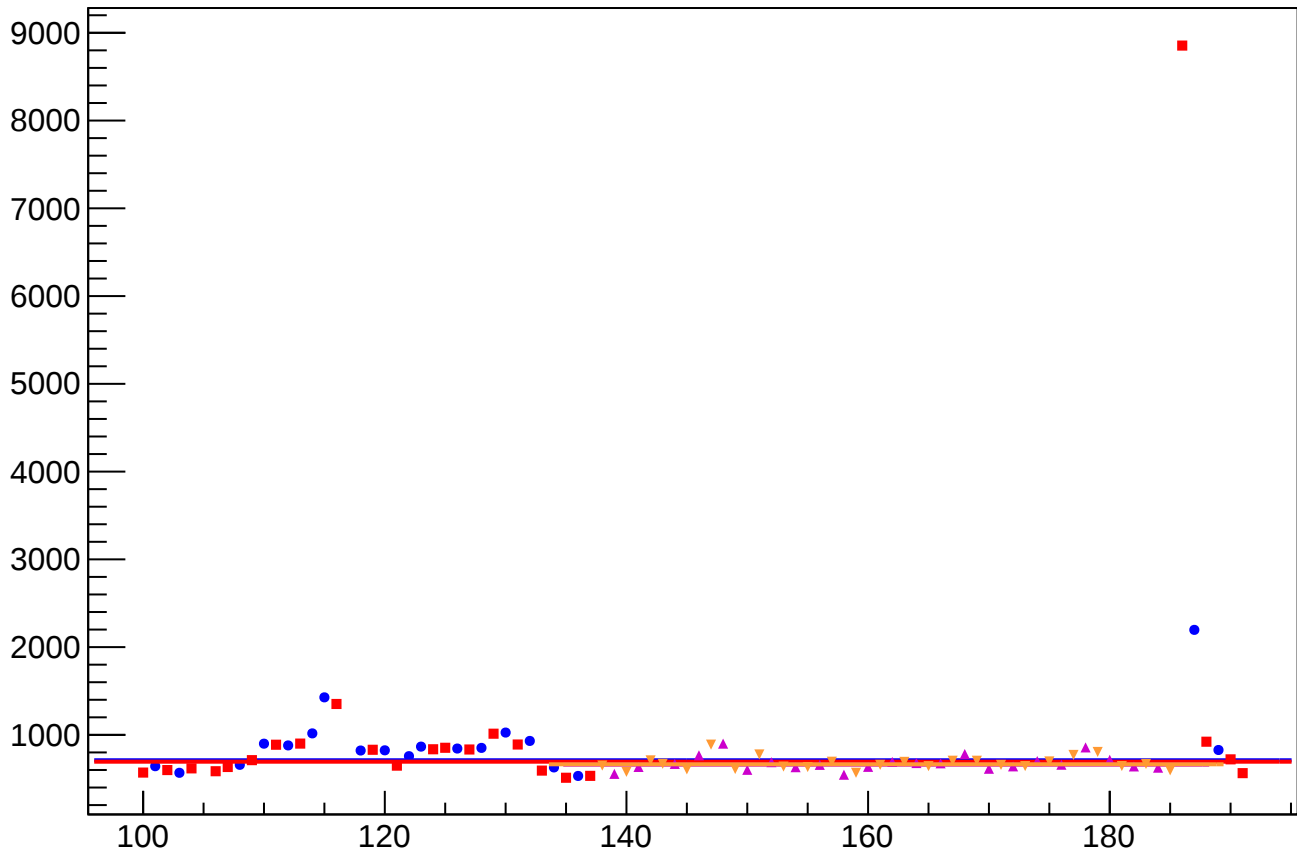
Right: 266.222+/-181.907 χ^2/NDF : 44.0/41

In: 36.643+/-137.793 χ^2/NDF :52.6/41

Out: -173.777+/-131.304 χ^2/NDF :53.6/47

All: -73.638+/-95.057 χ^2/NDF : 107.5/89

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 711.029+/-0.193 χ^2/NDF : 814292.6/18

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 694.481+/-0.172 χ^2/NDF : 1421060.0/22

Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

Left: 662.876+/-0.079 χ^2/NDF : 806839.8/47

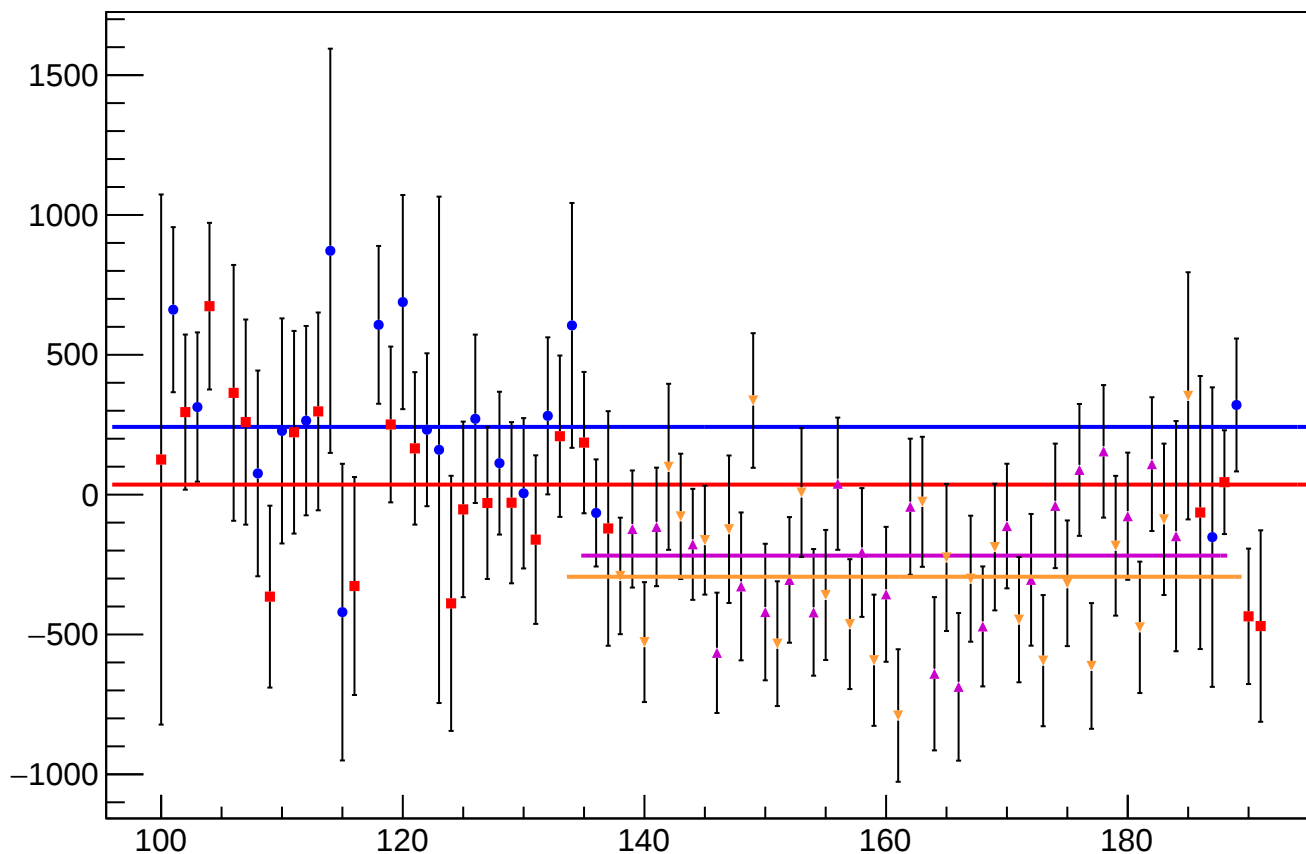
Right: 701.800+/-0.129 χ^2/NDF : 2239435.0/41

In: 673.615+/-0.097 χ^2/NDF : 1313620.9/41

Out: 673.405+/-0.093 χ^2/NDF : 1799220.1/47

All: 673.505+/-0.067 χ^2/NDF : 3112843.4/89

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 242.211 $\pm$ 71.822 χ^2 /NDF: 12.6/18

Left Out: -293.590 $\pm$ 47.203 χ^2 /NDF:30.3/24

Right Out: 35.878 $\pm$ 64.637 χ^2 /NDF: 18.7/22

Left In: -217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

Left: -257.050 $\pm$ 33.934 χ^2 /NDF: 52.9/47

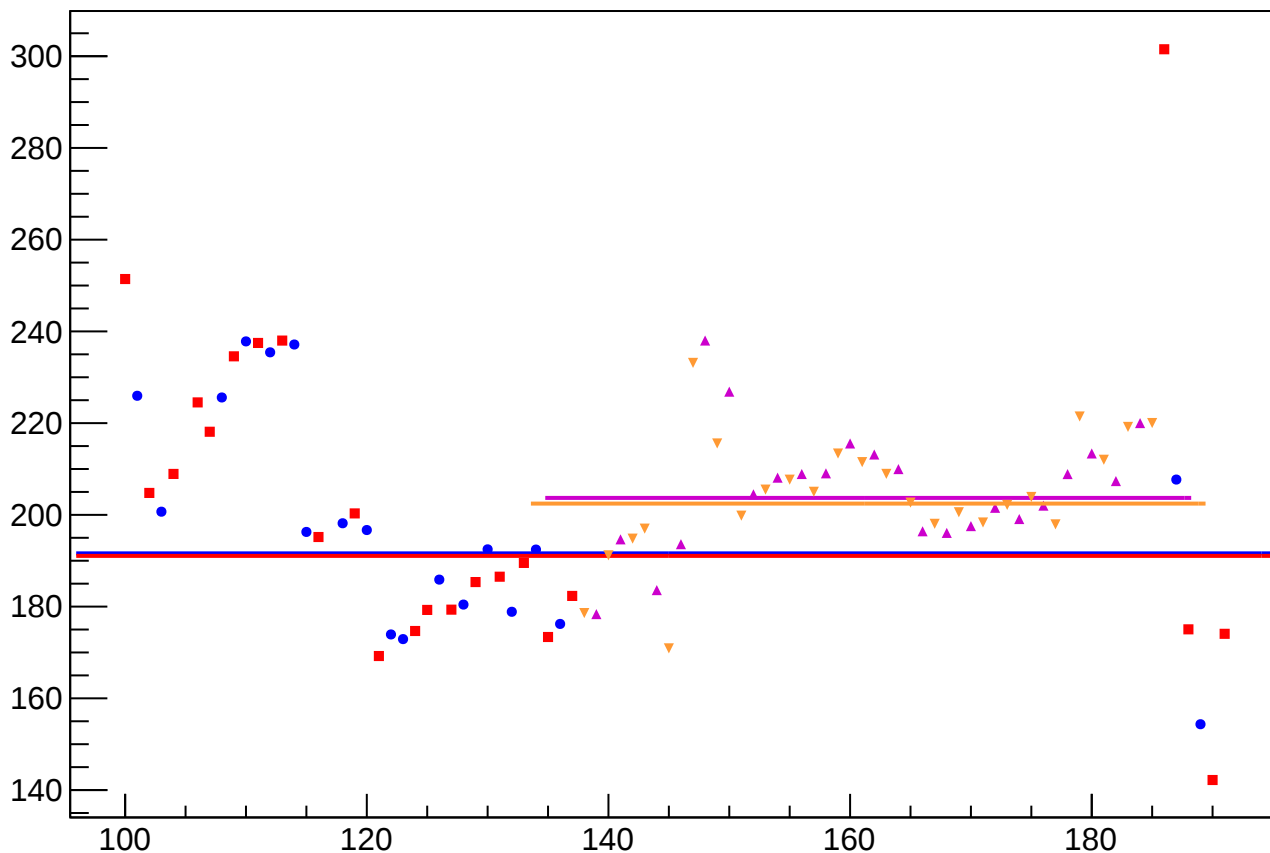
Right: 128.211 $\pm$ 48.045 χ^2 /NDF: 35.9/41

In: -72.541 $\pm$ 40.375 χ^2 /NDF:62.0/41

Out: -178.997 $\pm$ 38.120 χ^2 /NDF:66.0/47

All: -128.825 $\pm$ 27.718 χ^2 /NDF: 131.7/89

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 191.606 $\pm$ 0.051 χ^2 /NDF: 197749.6/18

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 191.059 $\pm$ 0.046 χ^2 /NDF: 385648.3/22

Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

Left: 203.058 $\pm$ 0.024 χ^2 /NDF: 295442.7/47

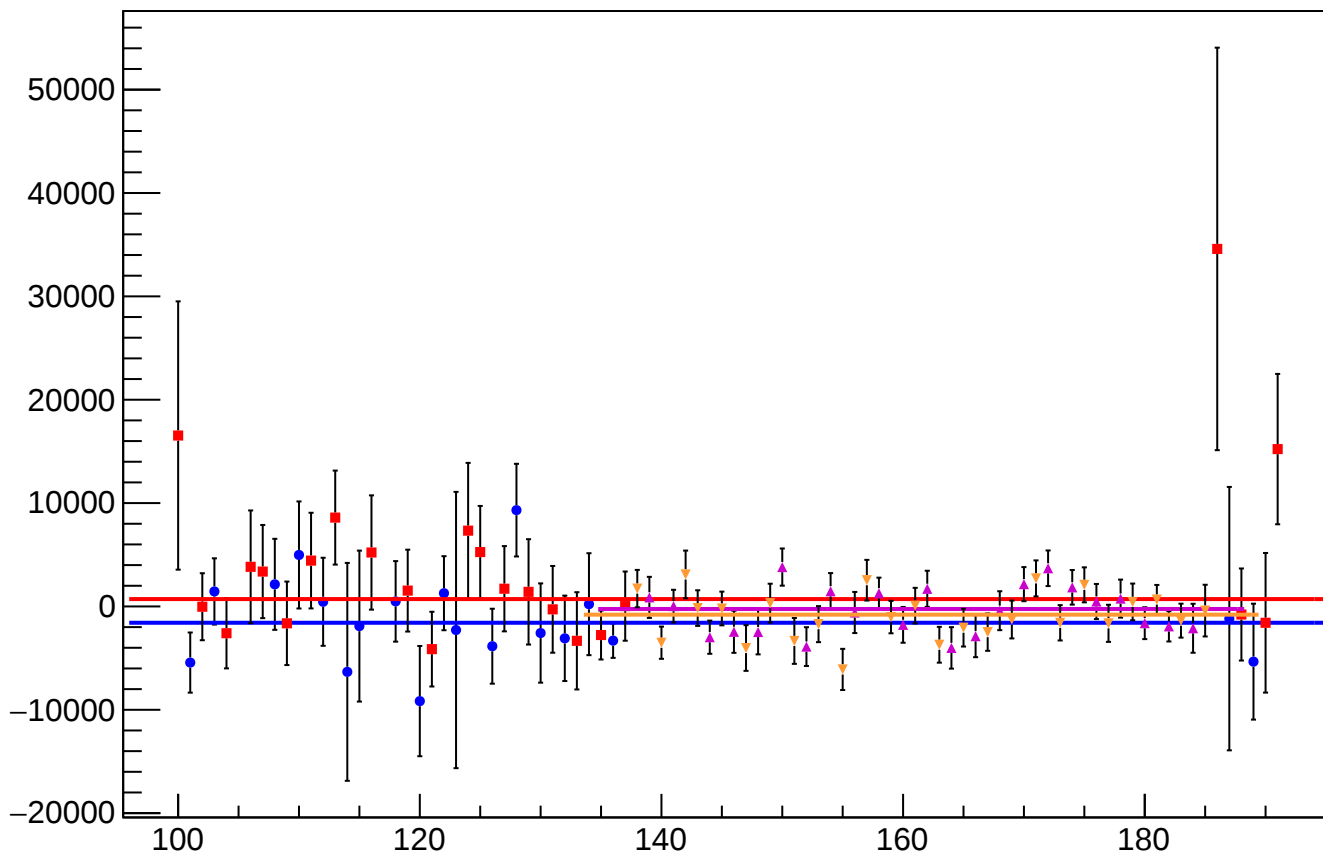
Right: 191.303 $\pm$ 0.034 χ^2 /NDF: 583462.1/41

In: 199.877 $\pm$ 0.029 χ^2 /NDF:372723.6/41

Out: 198.493 $\pm$ 0.027 χ^2 /NDF:584805.1/47

All: 199.146 $\pm$ 0.020 χ^2 /NDF: 958770.8/89

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1578.379 $\pm$ 898.469 χ^2 /NDF: 16.5/18

Left Out: -796.528 $\pm$ 357.851 χ^2 /NDF: 35.7/24

Right Out: 712.554 $\pm$ 900.212 χ^2 /NDF: 22.0/22

Left In: -245.102 $\pm$ 369.846 χ^2 /NDF: 35.7/22

Left: -529.902 $\pm$ 257.175 χ^2 /NDF: 72.6/47

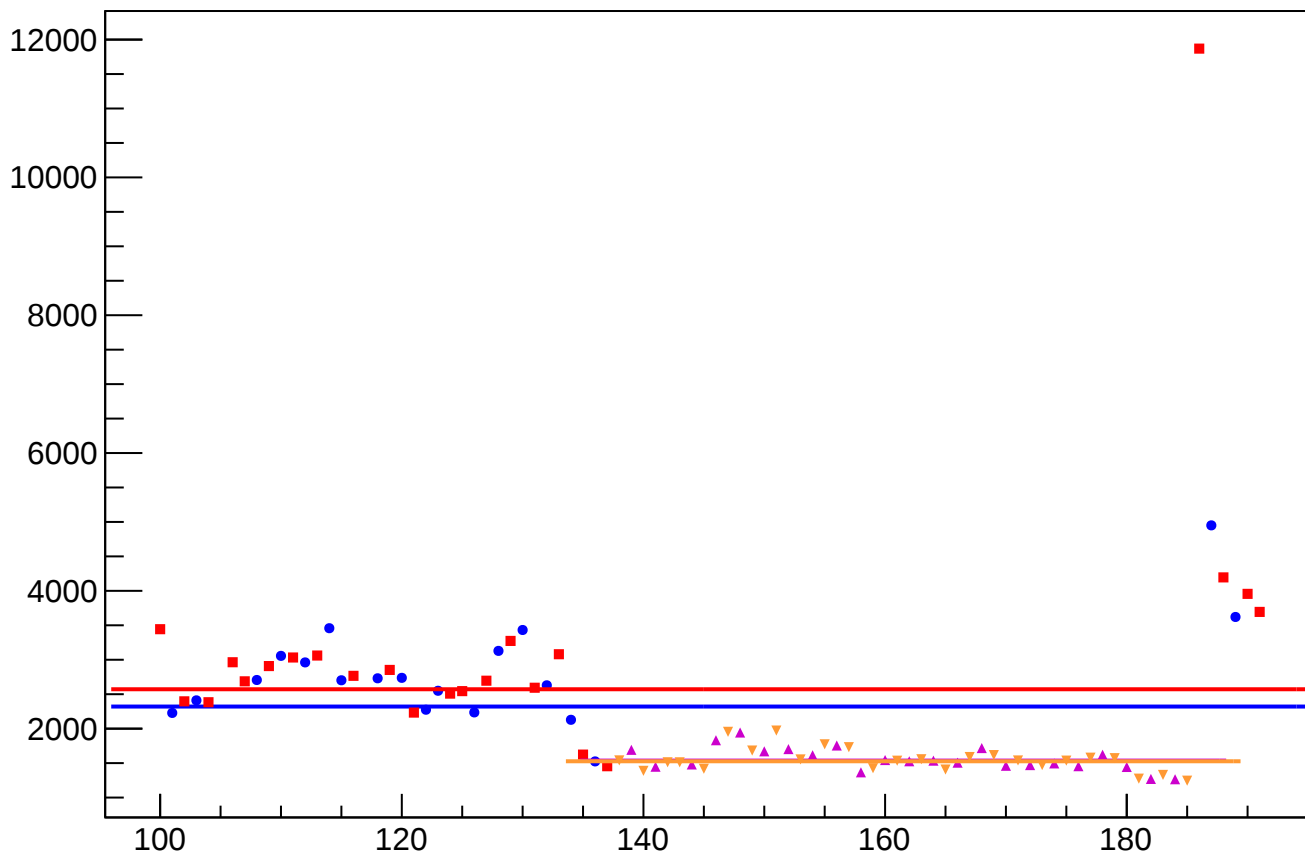
Right: -435.134 $\pm$ 635.929 χ^2 /NDF: 41.7/41

In: -438.288 $\pm$ 342.004 χ^2 /NDF: 54.1/41

Out: -590.602 $\pm$ 332.540 χ^2 /NDF: 60.2/47

All: -516.582 $\pm$ 238.417 χ^2 /NDF: 114.3/89

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2320.865 $\pm$ 0.635 χ^2 /NDF: 1005067.2/18

Left Out: 1526.712 $\pm$ 0.253 χ^2 /NDF: 394892.7/24

Right Out: 2571.784 $\pm$ 0.637 χ^2 /NDF: 1579970.3/22

Left In: 1536.538 $\pm$ 0.262 χ^2 /NDF: 350373.3/22

Left: 1531.463 $\pm$ 0.182 χ^2 /NDF: 745995.2/47

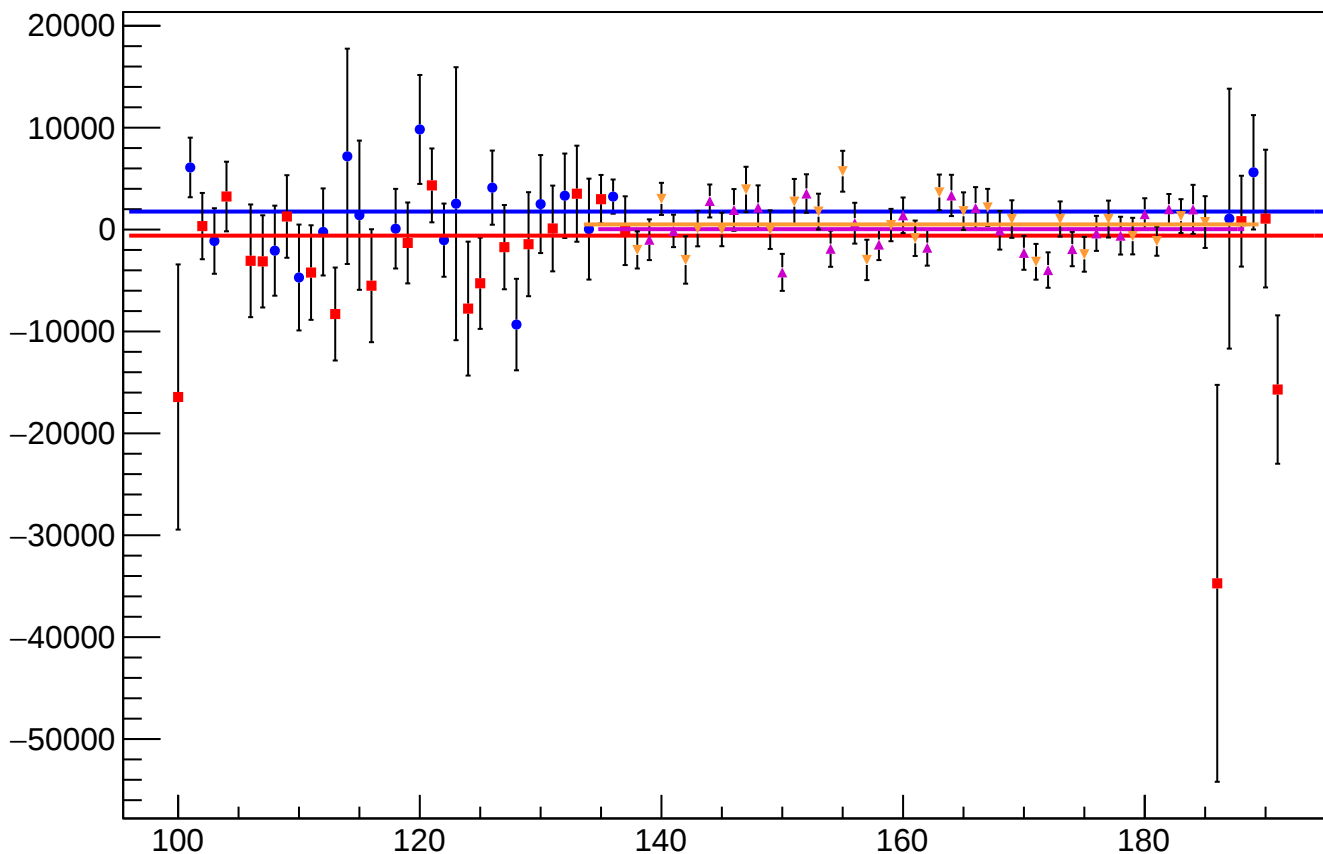
Right: 2446.082 $\pm$ 0.450 χ^2 /NDF: 2662880.4/41

In: 1650.183 $\pm$ 0.242 χ^2 /NDF: 2658721.9/41

Out: 1669.320 $\pm$ 0.235 χ^2 /NDF: 4302508.3/47

All: 1660.020 $\pm$ 0.169 χ^2 /NDF: 6964448.8/89

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1767.799 $\pm$ 902.343 χ^2 /NDF: 16.9/18

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF:35.4/24

Right Out: -594.546 $\pm$ 903.667 χ^2 /NDF: 22.7/22

Left In: 40.080 $\pm$ 373.261 χ^2 /NDF:33.6/22

Left: 281.730 $\pm$ 259.556 χ^2 /NDF: 69.8/47

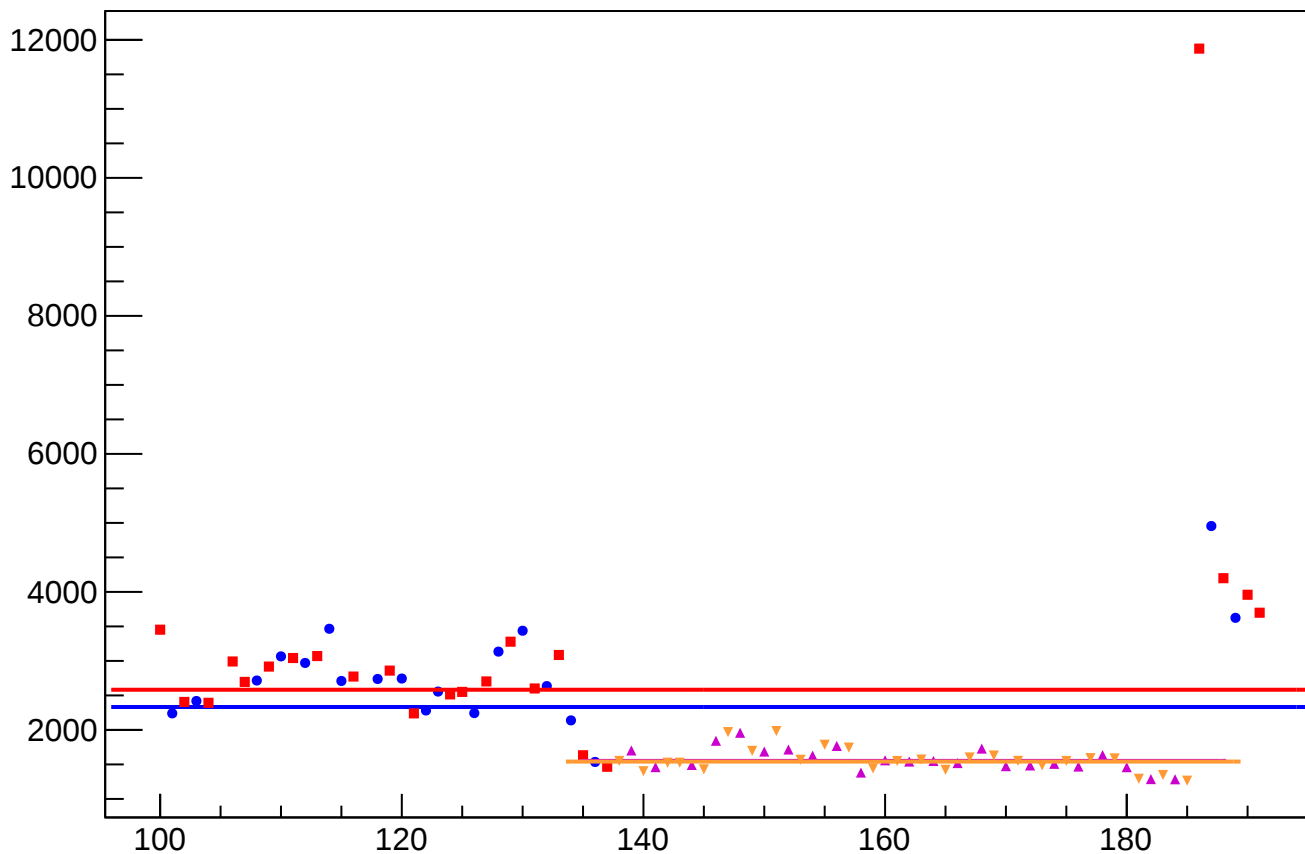
Right: 588.357 $\pm$ 638.521 χ^2 /NDF: 43.0/41

In: 292.518 $\pm$ 344.916 χ^2 /NDF:53.6/41

Out: 356.122 $\pm$ 335.378 χ^2 /NDF:59.3/47

All: 325.212 $\pm$ 240.449 χ^2 /NDF: 112.9/89

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2332.192 $\pm$ 0.638 χ^2 /NDF: 991269.6/18

Left Out: 1541.258 $\pm$ 0.255 χ^2 /NDF: 382045.4/24

Right Out: 2582.317 $\pm$ 0.639 χ^2 /NDF: 1566615.8/22

Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

Left: 1546.000 $\pm$ 0.184 χ^2 /NDF: 721657.1/47

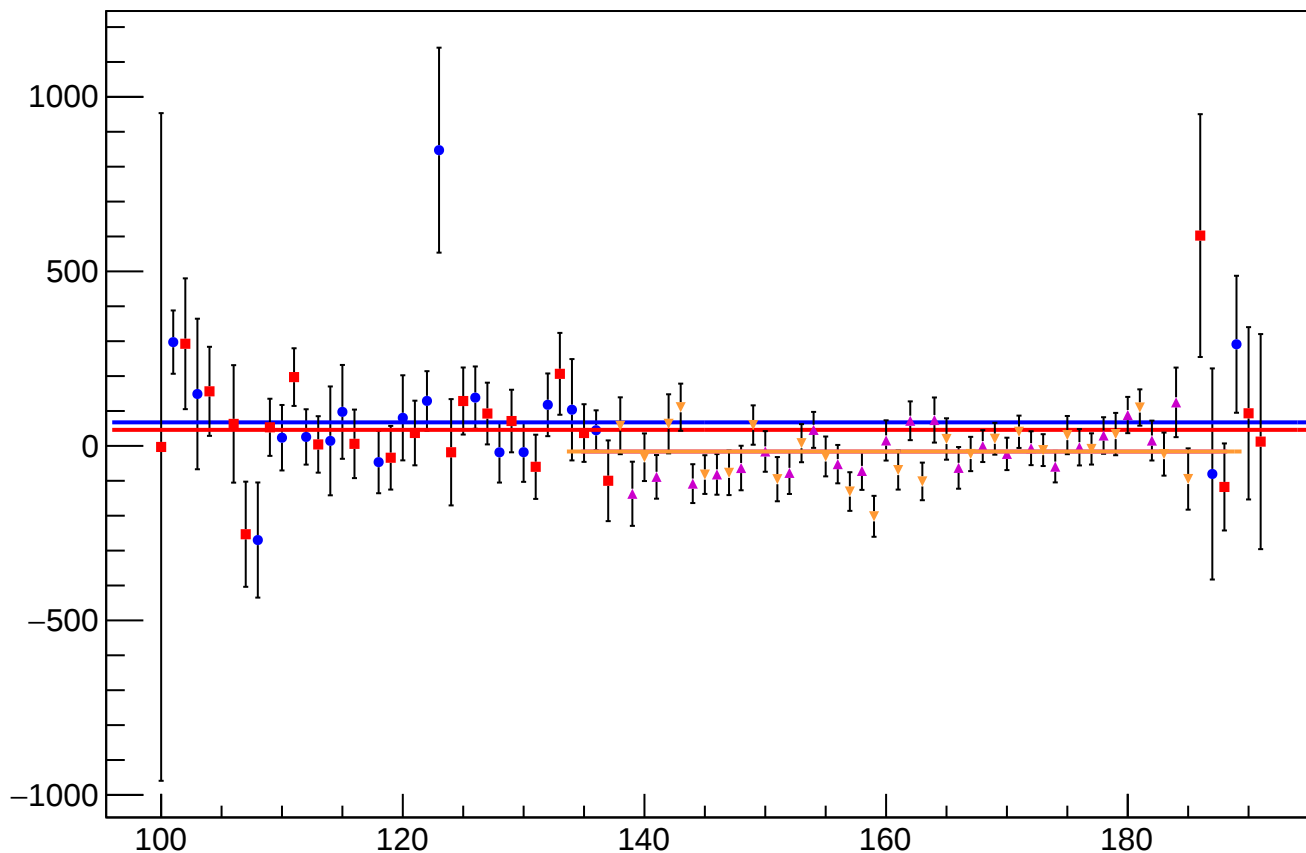
Right: 2457.071 $\pm$ 0.452 χ^2 /NDF: 2634609.7/41

In: 1665.195 $\pm$ 0.244 χ^2 /NDF: 2609940.6/41

Out: 1684.651 $\pm$ 0.237 χ^2 /NDF: 4237434.4/47

All: 1675.196 $\pm$ 0.170 χ^2 /NDF: 6850646.1/89

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 67.456 ± 23.549 $\chi^2/\text{NDF}: 25.3/18$

Left Out: -16.049 ± 11.340 $\chi^2/\text{NDF}: 39.7/24$

Right Out: 45.931 ± 23.093 $\chi^2/\text{NDF}: 21.4/22$

Left In: -16.162 ± 11.649 $\chi^2/\text{NDF}: 25.2/22$

Left: -16.104 ± 8.126 $\chi^2/\text{NDF}: 64.9/47$

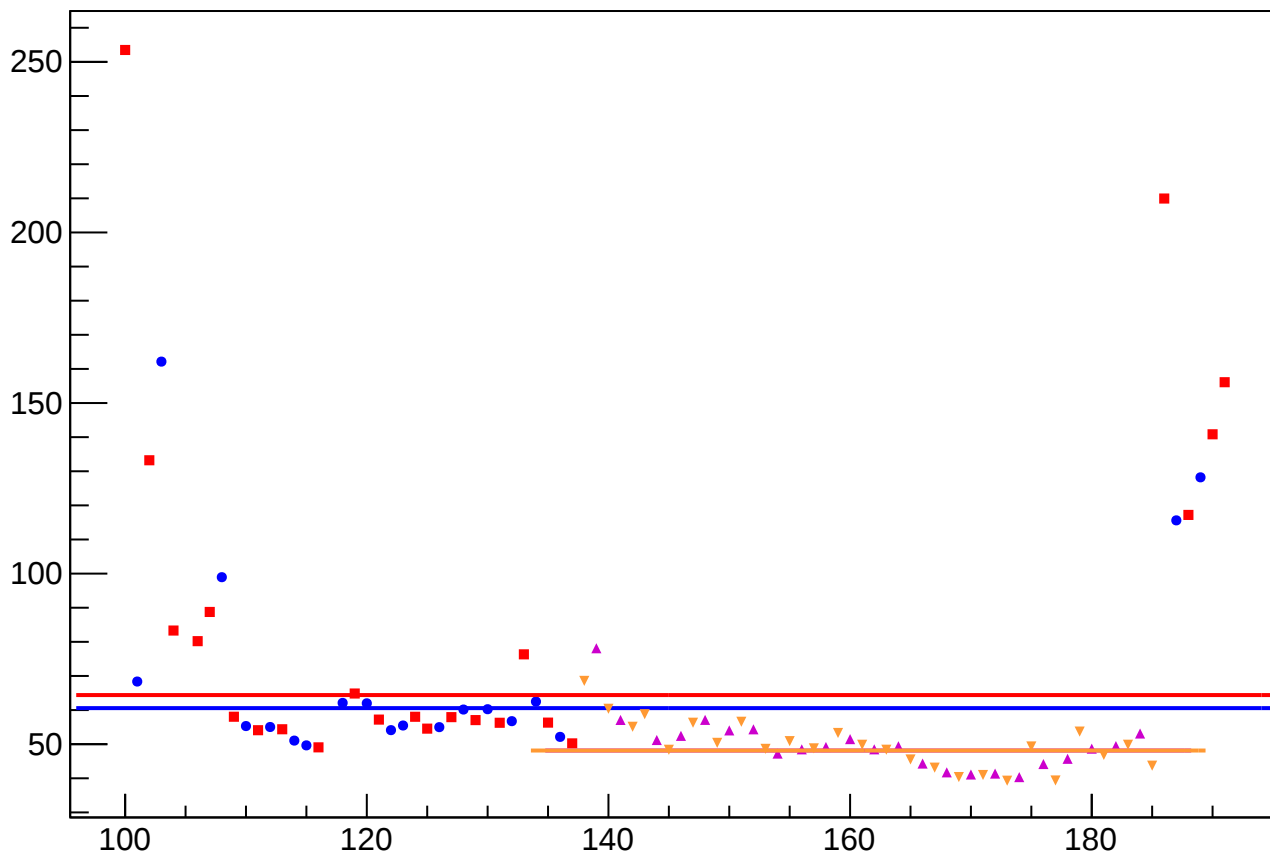
Right: 56.483 ± 16.488 $\chi^2/\text{NDF}: 47.2/41$

In: 0.278 ± 10.442 $\chi^2/\text{NDF}: 60.7/41$

Out: -4.008 ± 10.179 $\chi^2/\text{NDF}: 66.9/47$

All: -1.919 ± 7.289 $\chi^2/\text{NDF}: 127.7/89$

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 60.571 $\pm$ 0.017 χ^2/NDF : 975526.7/18

Left Out: 48.141 $\pm$ 0.008 χ^2/NDF : 655250.3/24

Right Out: 64.398 $\pm$ 0.016 χ^2/NDF : 1808219.0/22

Left In: 48.139 $\pm$ 0.008 χ^2/NDF : 575025.5/22

Left: 48.140 $\pm$ 0.006 χ^2/NDF : 1230275.9/47

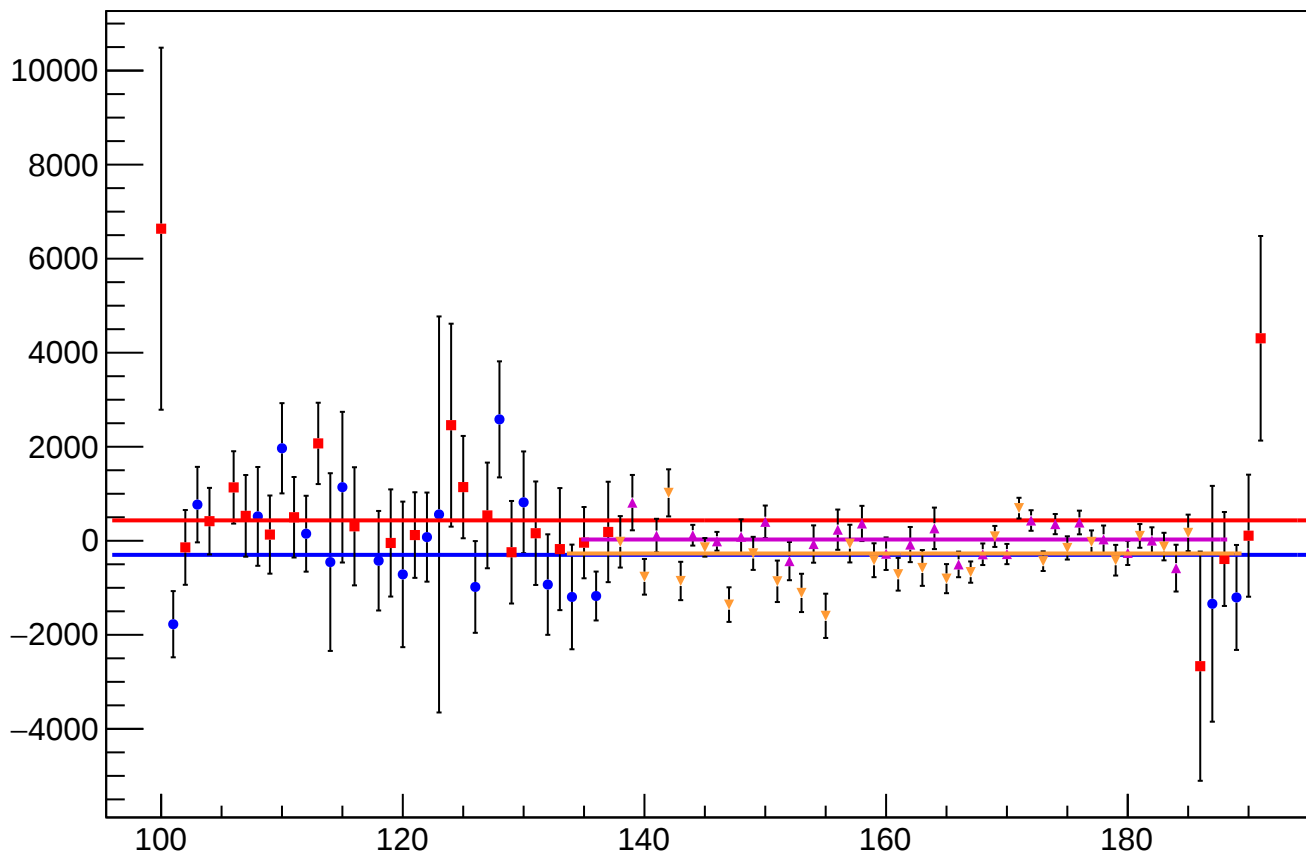
Right: 62.522 $\pm$ 0.012 χ^2/NDF : 2810673.9/41

In: 50.583 $\pm$ 0.007 χ^2/NDF : 1998342.6/41

Out: 51.299 $\pm$ 0.007 χ^2/NDF : 3262101.0/47

All: 50.950 $\pm$ 0.005 χ^2/NDF : 5265264.9/89

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -299.342 $\pm$ 228.502 χ^2/NDF : 25.4/18

Left Out: -270.214 $\pm$ 60.177 χ^2/NDF : 70.1/24

Right Out: 433.966 $\pm$ 212.622 χ^2/NDF : 15.9/22

Left In: 27.271 $\pm$ 60.430 χ^2/NDF : 25.1/22

Left: -122.095 $\pm$ 42.641 χ^2/NDF : 107.3/47

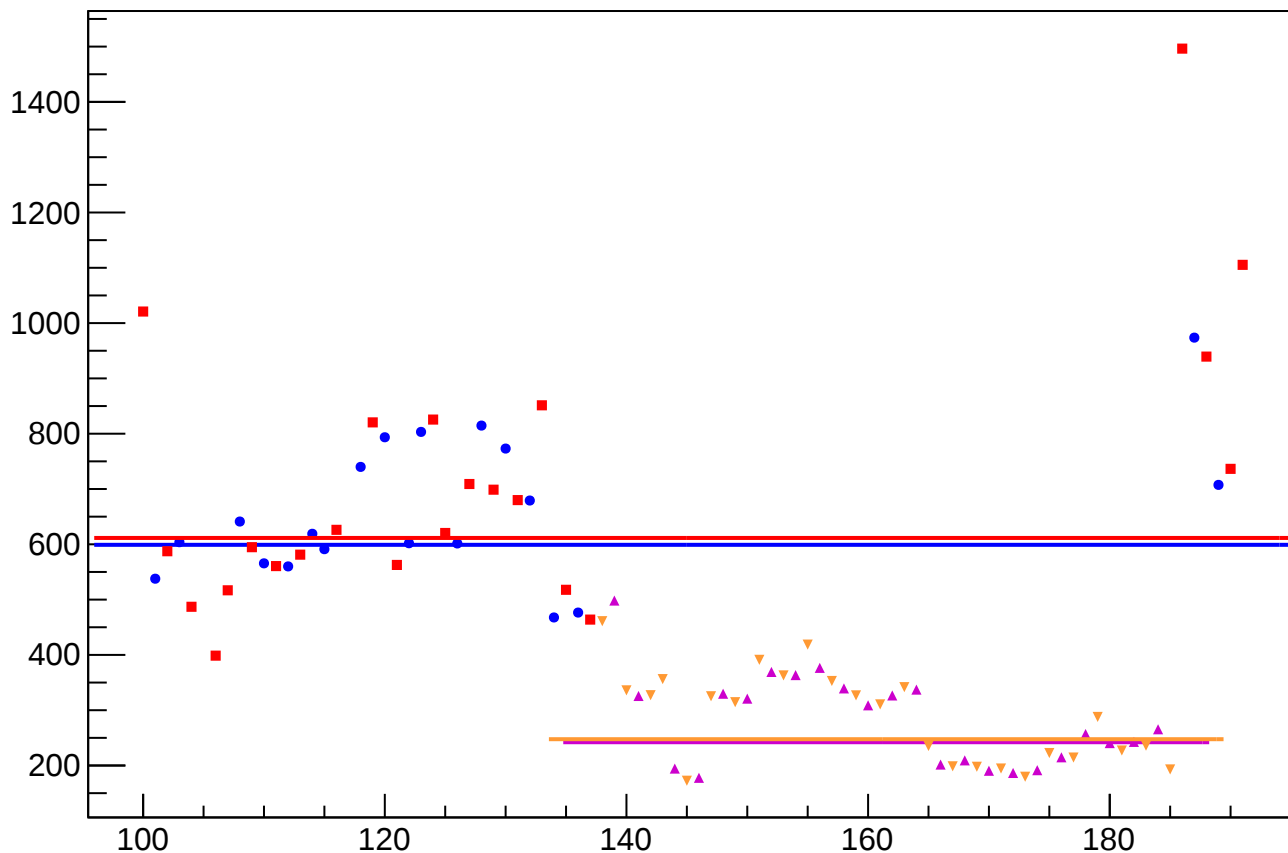
Right: 93.677 $\pm$ 155.658 χ^2/NDF : 46.9/41

In: 5.921 $\pm$ 58.422 χ^2/NDF : 52.4/41

Out: -217.990 $\pm$ 57.903 χ^2/NDF : 96.2/47

All: -107.033 $\pm$ 41.126 χ^2/NDF : 156.0/89

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 599.060 $\pm$ 0.162 χ^2 /NDF: 424071.7/18

Left Out: 247.570 $\pm$ 0.043 χ^2 /NDF: 2780931.0/24

Right Out: 611.495 $\pm$ 0.150 χ^2 /NDF: 1139676.8/22

Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

Left: 244.855 $\pm$ 0.030 χ^2 /NDF: 5255218.1/47

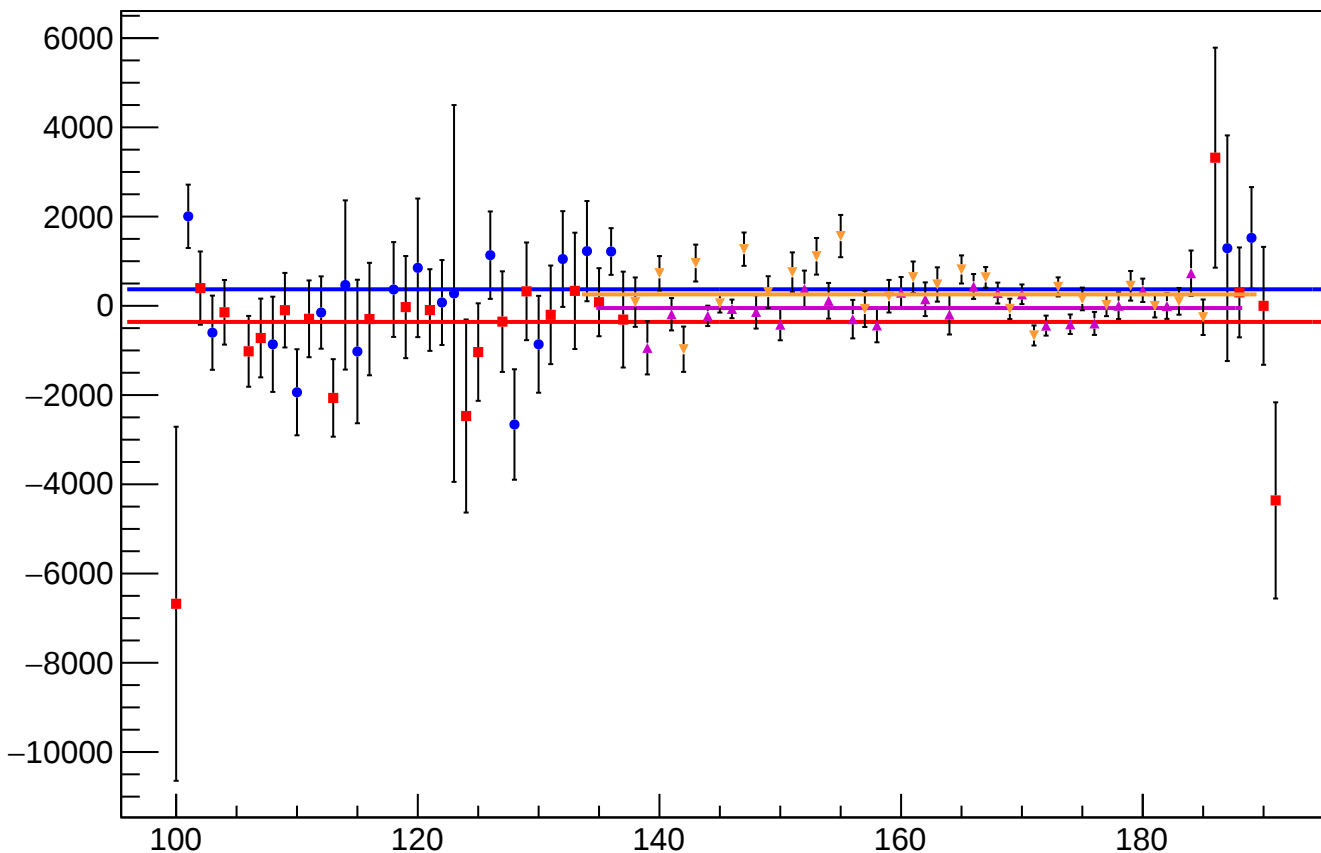
Right: 605.725 $\pm$ 0.110 χ^2 /NDF: 1566923.2/41

In: 265.450 $\pm$ 0.041 χ^2 /NDF: 7451489.1/41

Out: 274.560 $\pm$ 0.041 χ^2 /NDF: 9345269.7/47

All: 270.045 $\pm$ 0.029 χ^2 /NDF: 16821293.3/89

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 370.204 $\pm$ 230.539 χ^2 /NDF: 27.7/18

Left Out: 255.995 $\pm$ 61.418 χ^2 /NDF:63.6/24

Right Out: -360.952 $\pm$ 215.067 χ^2 /NDF: 16.9/22

Left In: -49.832 $\pm$ 61.781 χ^2 /NDF:27.5/22

Left: 103.982 $\pm$ 43.557 χ^2 /NDF: 103.4/47

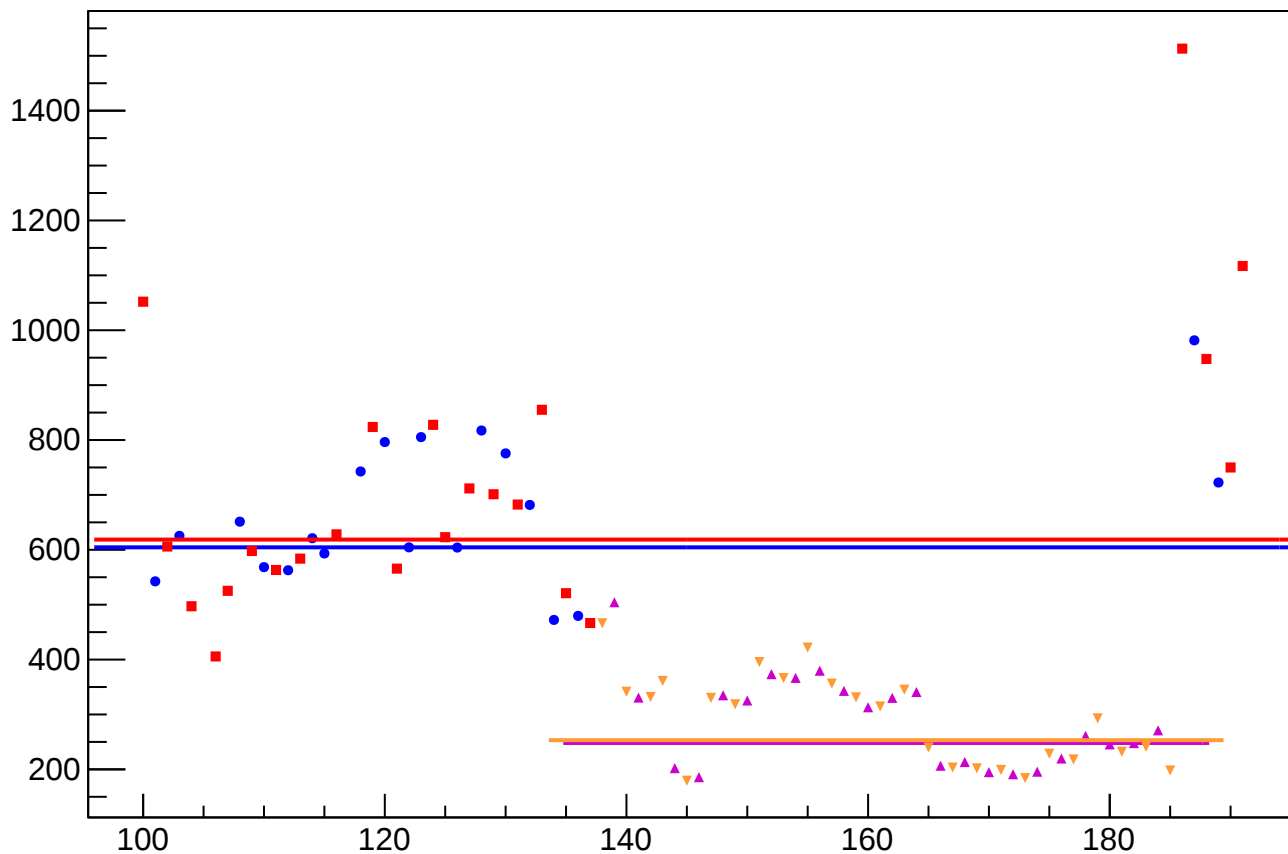
Right: -20.730 $\pm$ 157.261 χ^2 /NDF: 50.0/41

In: -21.688 $\pm$ 59.675 χ^2 /NDF:58.4/41

Out: 209.474 $\pm$ 59.057 χ^2 /NDF:88.1/47

All: 95.097 $\pm$ 41.977 χ^2 /NDF: 154.0/89

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 604.483 ± 0.163 $\chi^2/\text{NDF}: 424488.1/18$

Left Out: 253.137 ± 0.043 $\chi^2/\text{NDF}: 2665975.8/24$

Right Out: 618.613 ± 0.152 $\chi^2/\text{NDF}: 1118732.4/22$

Left In: 248.069 ± 0.044 $\chi^2/\text{NDF}: 2343295.0/22$

Left: 250.618 ± 0.031 $\chi^2/\text{NDF}: 5016040.5/47$

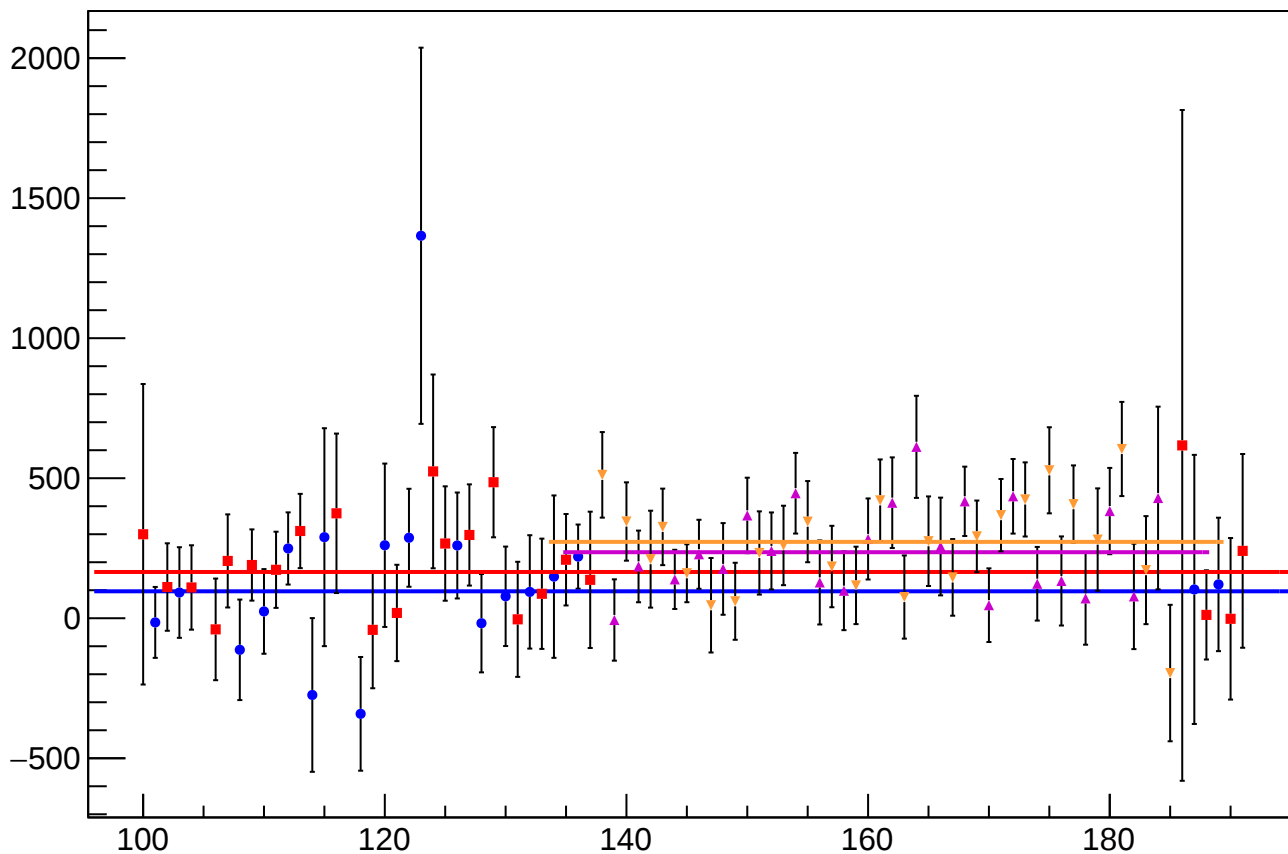
Right: 612.038 ± 0.111 $\chi^2/\text{NDF}: 1547237.4/41$

In: 271.950 ± 0.042 $\chi^2/\text{NDF}: 7227767.4/41$

Out: 280.696 ± 0.042 $\chi^2/\text{NDF}: 9124849.4/47$

All: 276.368 ± 0.030 $\chi^2/\text{NDF}: 16374319.1/89$

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 96.186 $\pm$ 42.527 χ^2 /NDF: 17.9/18

Left Out: 272.684 $\pm$ 29.221 χ^2 /NDF: 27.4/24

Right Out: 165.219 $\pm$ 39.220 χ^2 /NDF: 12.0/22

Left In: 235.801 $\pm$ 30.232 χ^2 /NDF: 24.6/22

Left: 254.870 $\pm$ 21.011 χ^2 /NDF: 52.8/47

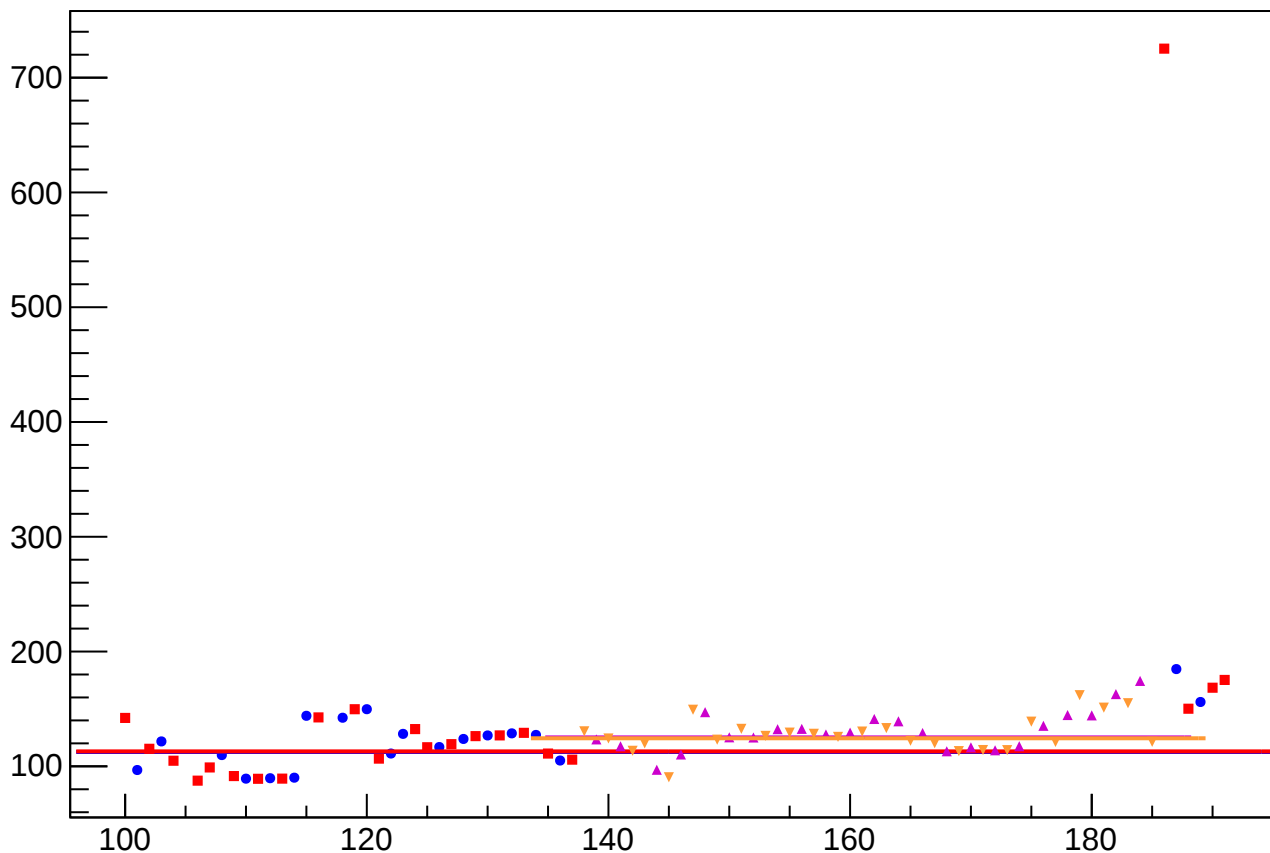
Right: 133.491 $\pm$ 28.831 χ^2 /NDF: 31.4/41

In: 188.932 $\pm$ 24.640 χ^2 /NDF: 49.7/41

Out: 234.323 $\pm$ 23.432 χ^2 /NDF: 44.3/47

All: 212.767 $\pm$ 16.980 χ^2 /NDF: 95.8/89

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 112.474+/-0.030 χ^2/NDF : 412555.8/18

Left Out: 124.429+/-0.021 χ^2/NDF : 539731.8/24

Right Out: 113.007+/-0.028 χ^2/NDF : 1148625.1/22

Left In: 125.205+/-0.021 χ^2/NDF : 501388.2/22

Left: 124.804+/-0.015 χ^2/NDF : 1041801.9/47

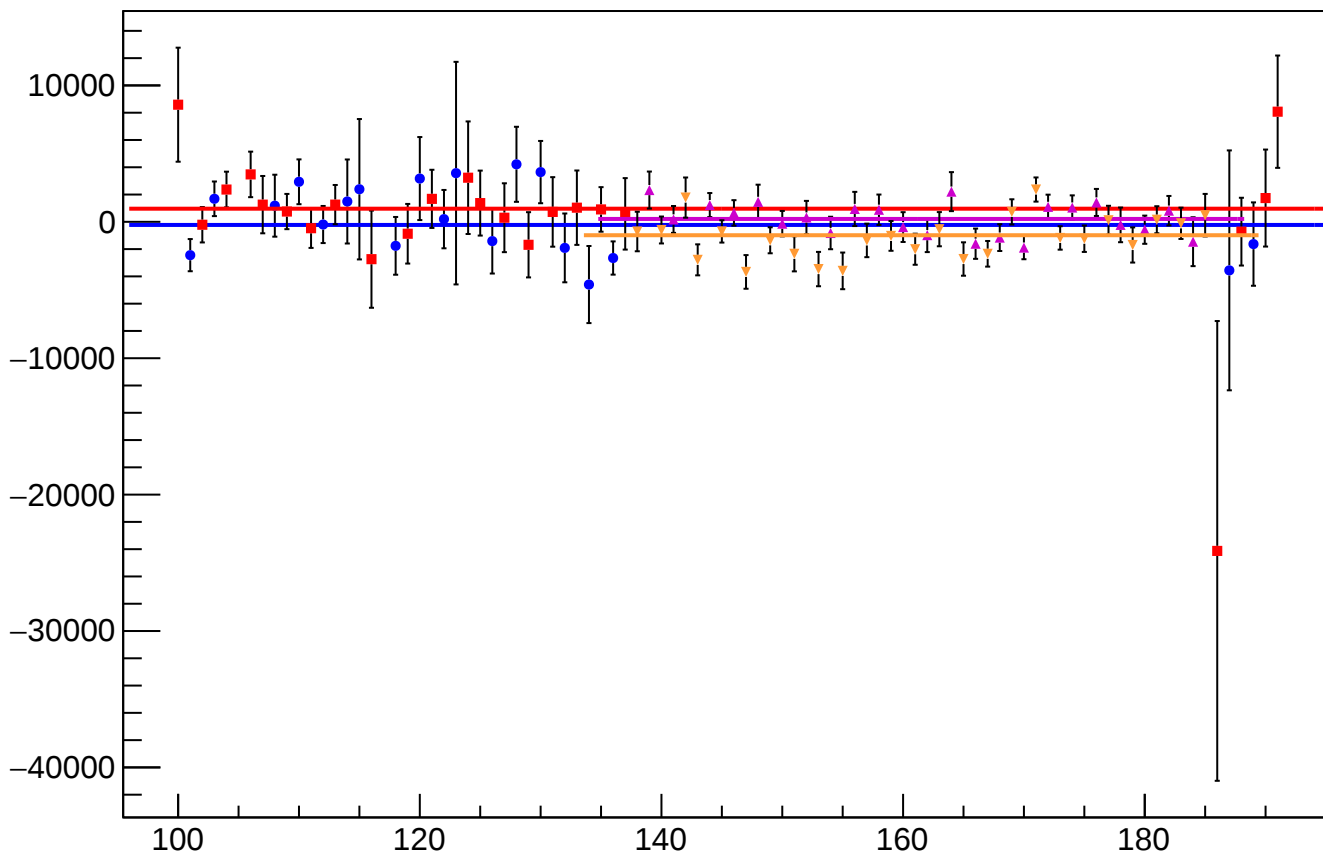
Right: 112.762+/-0.020 χ^2/NDF : 1561350.7/41

In: 120.931+/-0.017 χ^2/NDF : 1033005.2/41

Out: 120.352+/-0.017 χ^2/NDF : 1797422.5/47

All: 120.627+/-0.012 χ^2/NDF : 2831008.7/89

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -228.702 $\pm$ 459.803 χ^2 /NDF: 25.4/18

Left Out: -982.839 $\pm$ 218.021 χ^2 /NDF:47.2/24

Right Out: 962.581 $\pm$ 423.763 χ^2 /NDF: 17.9/22

Left In: 211.420 $\pm$ 223.296 χ^2 /NDF:25.7/22

Left: -399.983 $\pm$ 155.996 χ^2 /NDF: 87.5/47

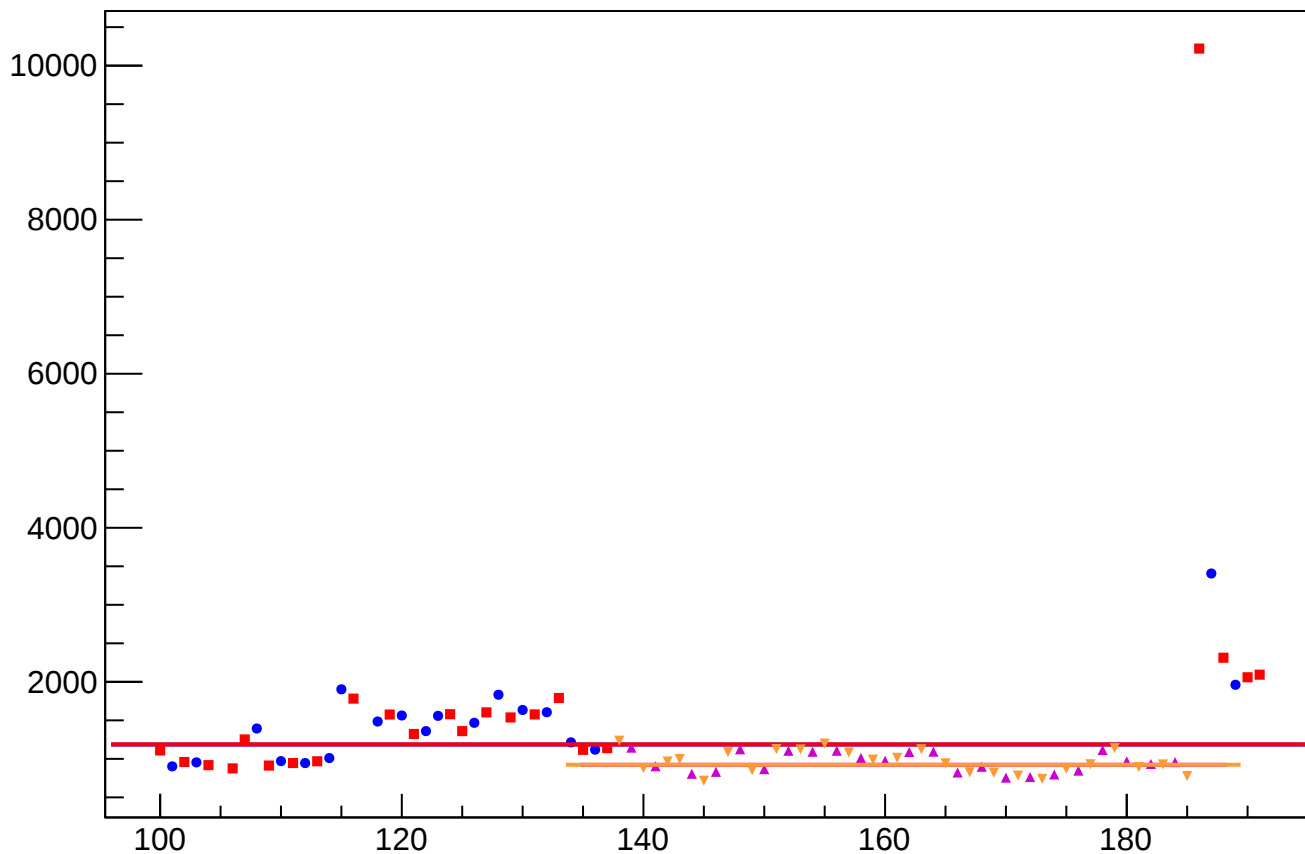
Right: 415.451 $\pm$ 311.609 χ^2 /NDF: 46.9/41

In: 127.430 $\pm$ 200.863 χ^2 /NDF:51.8/41

Out: -575.667 $\pm$ 193.868 χ^2 /NDF:81.8/47

All: -236.575 $\pm$ 139.493 χ^2 /NDF: 139.9/89

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1186.020 $\pm$ 0.325 χ^2 /NDF: 963049.5/18

Left Out: 923.586 $\pm$ 0.154 χ^2 /NDF: 842758.6/24

Right Out: 1187.875 $\pm$ 0.300 χ^2 /NDF: 2014264.3/22

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

Left: 922.932 $\pm$ 0.110 χ^2 /NDF: 1477507.6/47

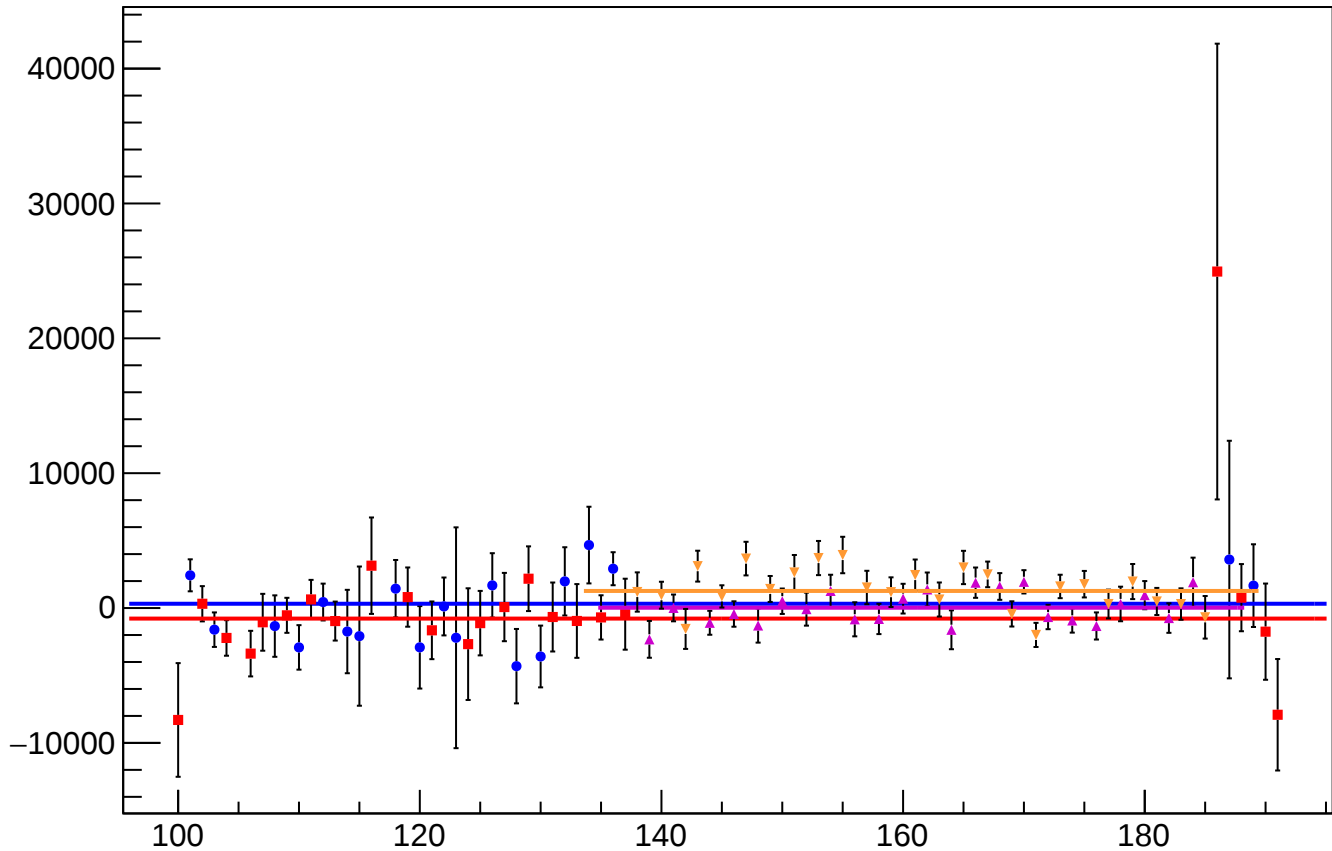
Right: 1187.023 $\pm$ 0.220 χ^2 /NDF: 2977331.4/41

In: 972.583 $\pm$ 0.142 χ^2 /NDF: 2130350.3/41

Out: 978.901 $\pm$ 0.137 χ^2 /NDF: 3472133.6/47

All: 975.854 $\pm$ 0.099 χ^2 /NDF: 5603508.5/89

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 318.413 ± 462.042 $\chi^2/\text{NDF}: 25.6/18$

Left Out: 1267.344 ± 220.133 $\chi^2/\text{NDF}: 44.9/24$

Right Out: -781.953 ± 426.019 $\chi^2/\text{NDF}: 18.0/22$

Left In: 23.478 ± 225.490 $\chi^2/\text{NDF}: 27.2/22$

Left: 660.362 ± 157.518 $\chi^2/\text{NDF}: 87.7/47$

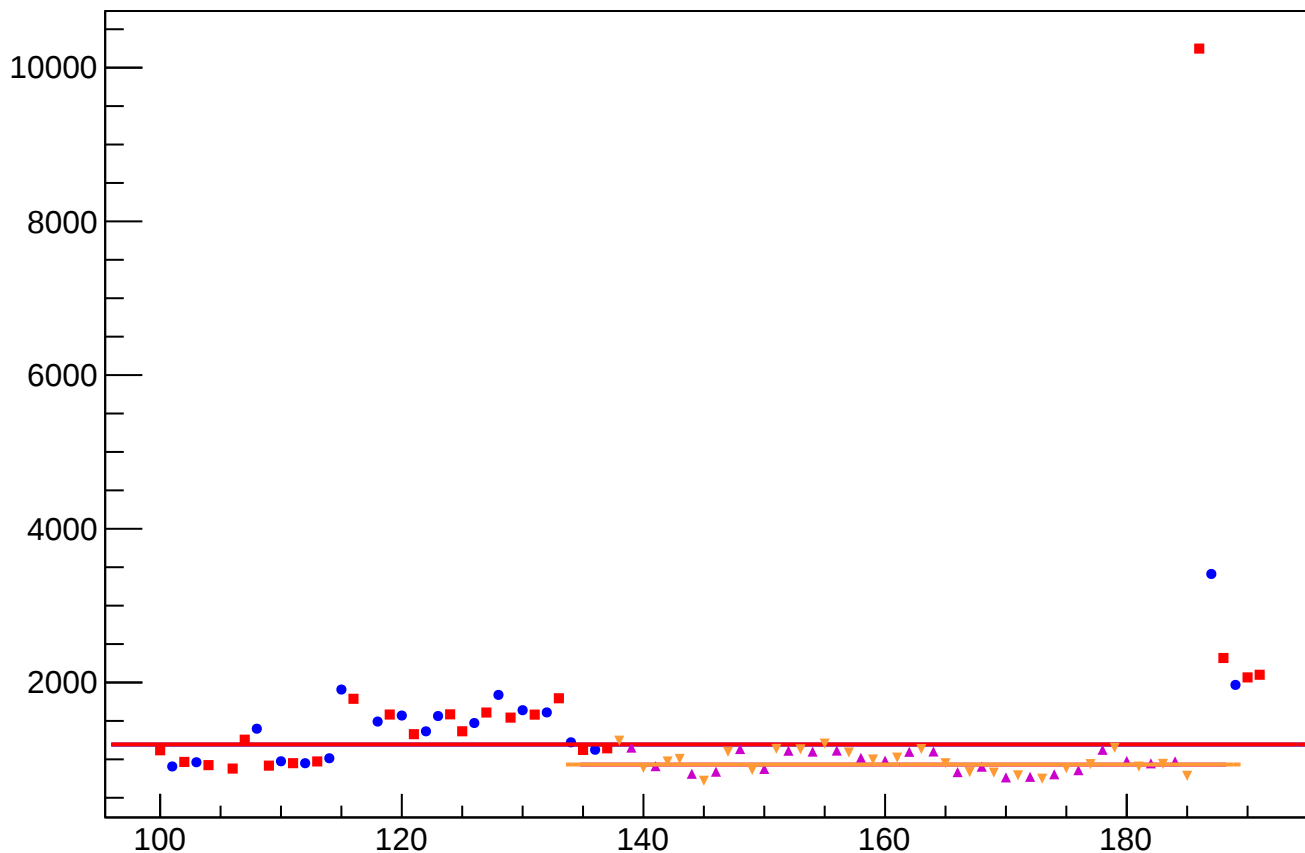
Right: -276.331 ± 313.203 $\chi^2/\text{NDF}: 46.7/41$

In: 80.211 ± 202.646 $\chi^2/\text{NDF}: 53.1/41$

Out: 835.486 ± 195.568 $\chi^2/\text{NDF}: 81.2/47$

All: 471.269 ± 140.723 $\chi^2/\text{NDF}: 141.5/89$

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1192.145 $\pm$ 0.327 χ^2 /NDF: 956451.0/18

Left Out: 932.764 $\pm$ 0.156 χ^2 /NDF: 829798.4/24

Right Out: 1194.304 $\pm$ 0.301 χ^2 /NDF: 2004120.4/22

Left In: 931.493 $\pm$ 0.159 χ^2 /NDF: 624436.4/22

Left: 932.144 $\pm$ 0.111 χ^2 /NDF: 1454267.3/47

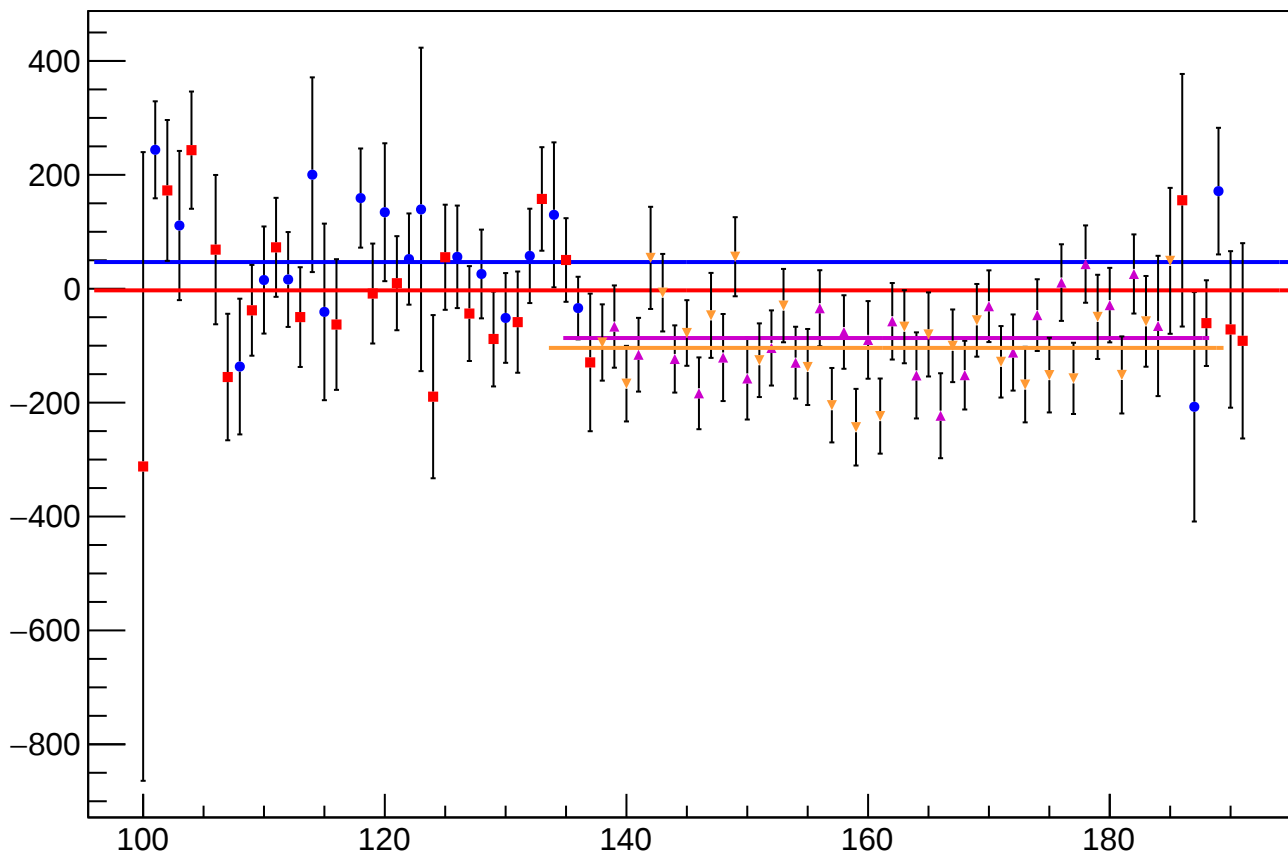
Right: 1193.312 $\pm$ 0.221 χ^2 /NDF: 2960595.0/41

In: 981.631 $\pm$ 0.143 χ^2 /NDF: 2094943.5/41

Out: 987.879 $\pm$ 0.138 χ^2 /NDF: 3428854.1/47

All: 984.866 $\pm$ 0.100 χ^2 /NDF: 5524782.0/89

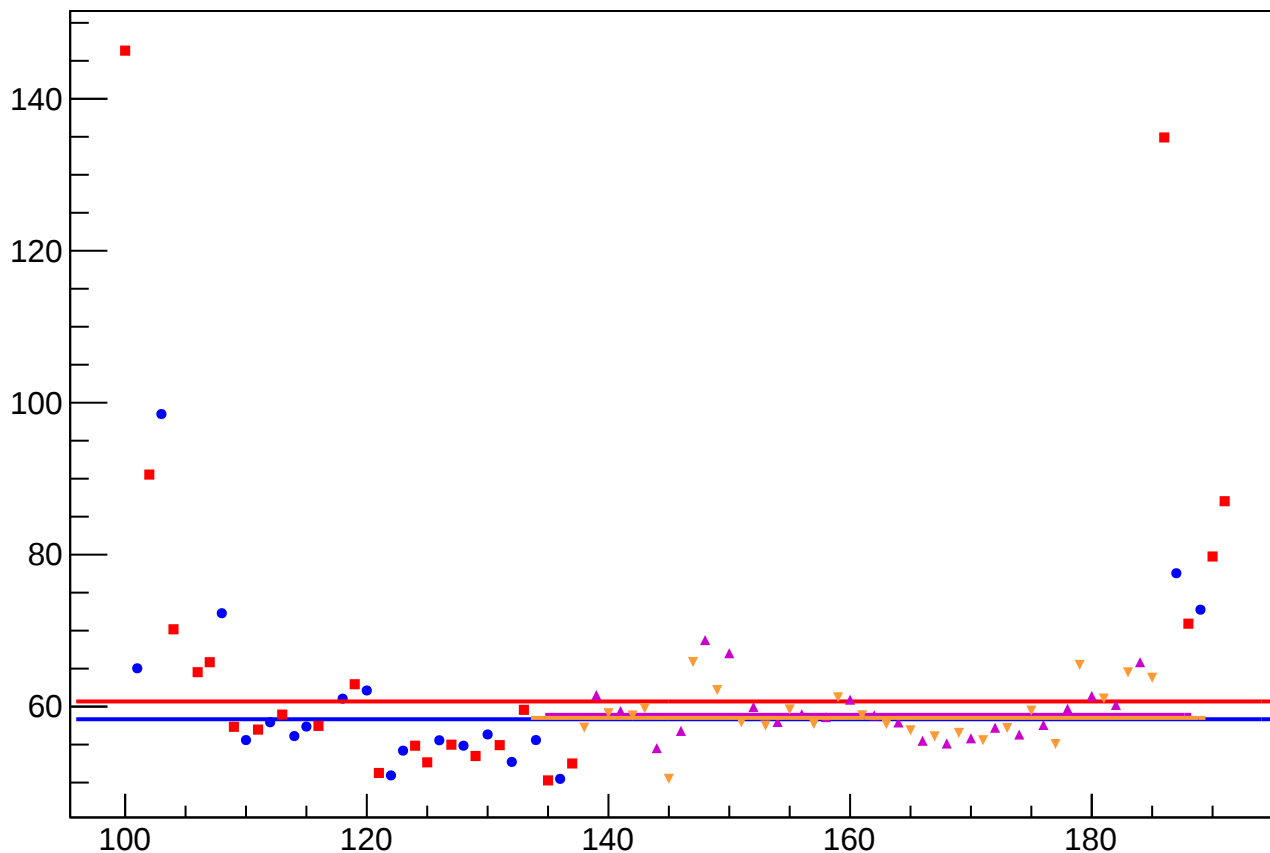
reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 46.870 $\pm$ 22.028 χ^2 /NDF: 18.7/18
 Left Out: -103.899 $\pm$ 13.642 χ^2 /NDF:30.0/24
 Right Out: -2.844 $\pm$ 20.787 χ^2 /NDF: 21.9/22
 Left In: -86.542 $\pm$ 14.120 χ^2 /NDF:21.4/22

Left: -95.520 $\pm$ 9.811 χ^2 /NDF: 52.1/47
 Right: 20.574 $\pm$ 15.118 χ^2 /NDF: 43.3/41
 In: -47.689 $\pm$ 11.887 χ^2 /NDF:66.1/41
 Out: -73.478 $\pm$ 11.405 χ^2 /NDF:68.4/47
 All: -61.117 $\pm$ 8.230 χ^2 /NDF: 136.9/89

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.334 $\pm$ 0.016 χ^2/NDF : 361310.6/18

Left Out: 58.513 $\pm$ 0.010 χ^2/NDF :123221.6/24

Right Out: 60.677 $\pm$ 0.015 χ^2/NDF : 671953.6/22

Left In: 58.913 $\pm$ 0.010 χ^2/NDF :109968.0/22

Left: 58.706 $\pm$ 0.007 χ^2/NDF : 234021.7/47

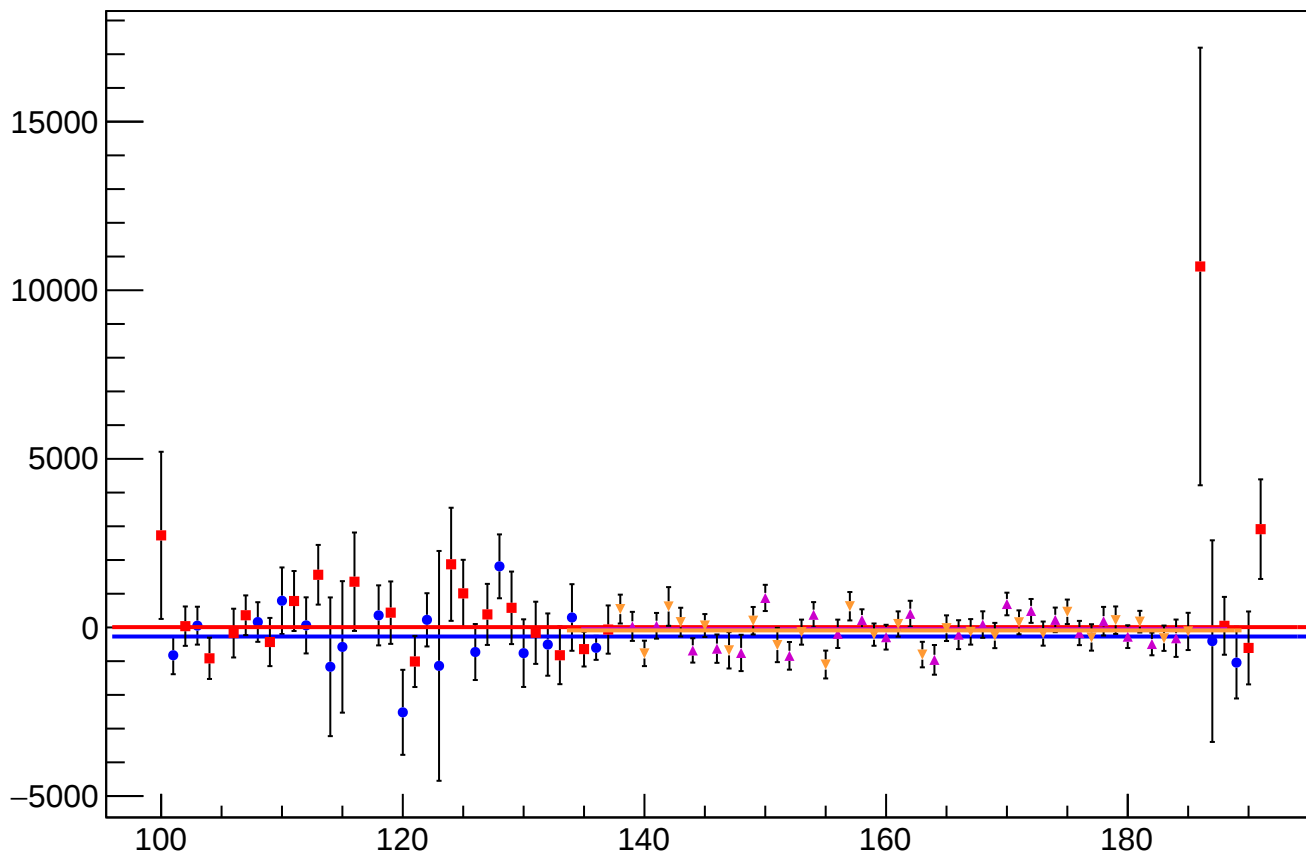
Right: 59.573 $\pm$ 0.011 χ^2/NDF : 1045236.6/41

In: 58.745 $\pm$ 0.008 χ^2/NDF :472259.6/41

Out: 59.165 $\pm$ 0.008 χ^2/NDF :810329.9/47

All: 58.963 $\pm$ 0.006 χ^2/NDF : 1283888.5/89

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -268.891 $\pm$ 181.366 χ^2 /NDF: 14.7/18

Left Out: -87.459 $\pm$ 78.556 χ^2 /NDF: 27.7/24

Right Out: 9.705 $\pm$ 174.509 χ^2 /NDF: 23.2/22

Left In: -48.742 $\pm$ 80.548 χ^2 /NDF: 35.3/22

Left: -68.585 $\pm$ 56.239 χ^2 /NDF: 63.2/47

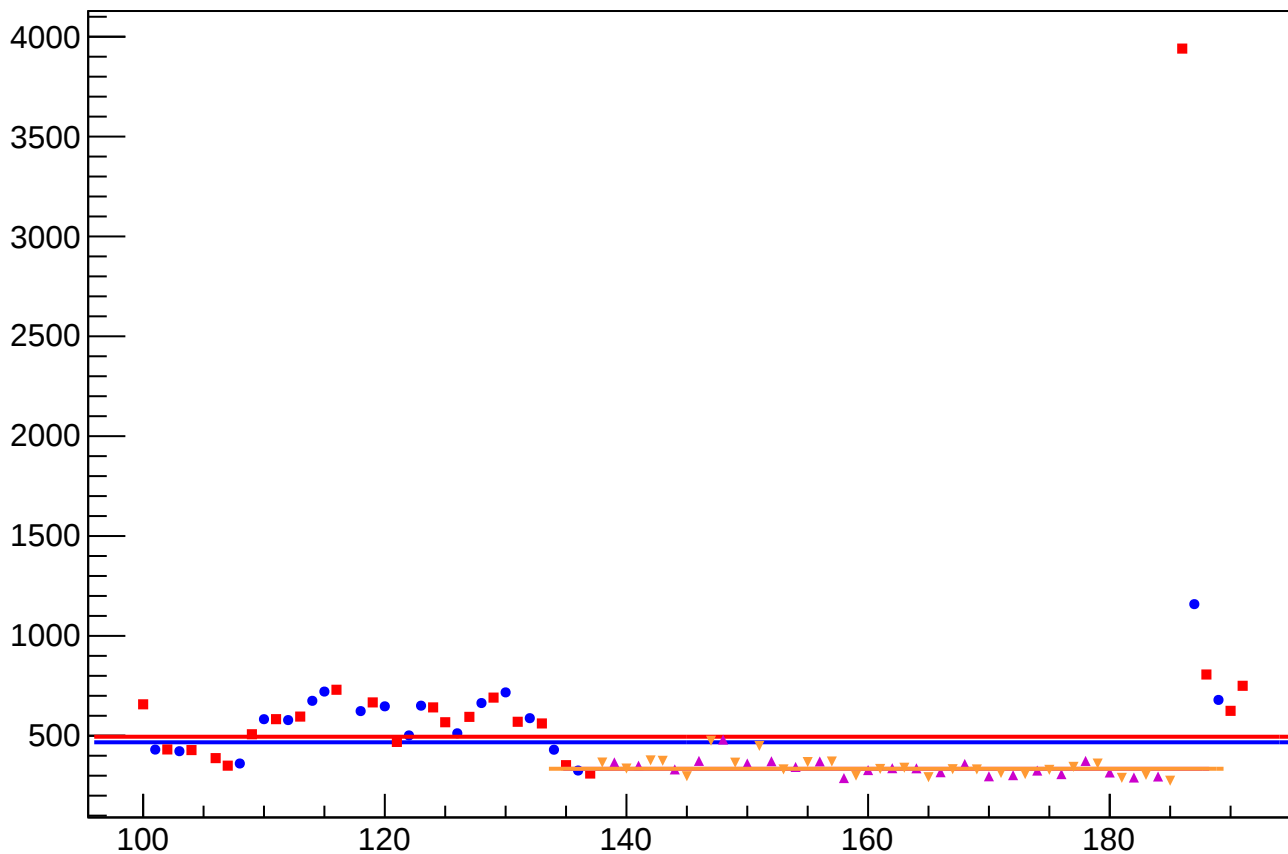
Right: -124.227 $\pm$ 125.750 χ^2 /NDF: 39.1/41

In: -85.011 $\pm$ 73.614 χ^2 /NDF: 51.2/41

Out: -71.087 $\pm$ 71.633 χ^2 /NDF: 51.2/47

All: -77.859 $\pm$ 51.338 χ^2 /NDF: 102.5/89

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 467.237 $\pm$ 0.128 χ^2 /NDF: 1070636.9/18

Left Out: 334.749 $\pm$ 0.056 χ^2 /NDF:491370.4/24

Right Out: 495.078 $\pm$ 0.123 χ^2 /NDF: 1733899.9/22

Left In: 334.147 $\pm$ 0.057 χ^2 /NDF:397200.6/22

Left: 334.455 $\pm$ 0.040 χ^2 /NDF: 888628.3/47

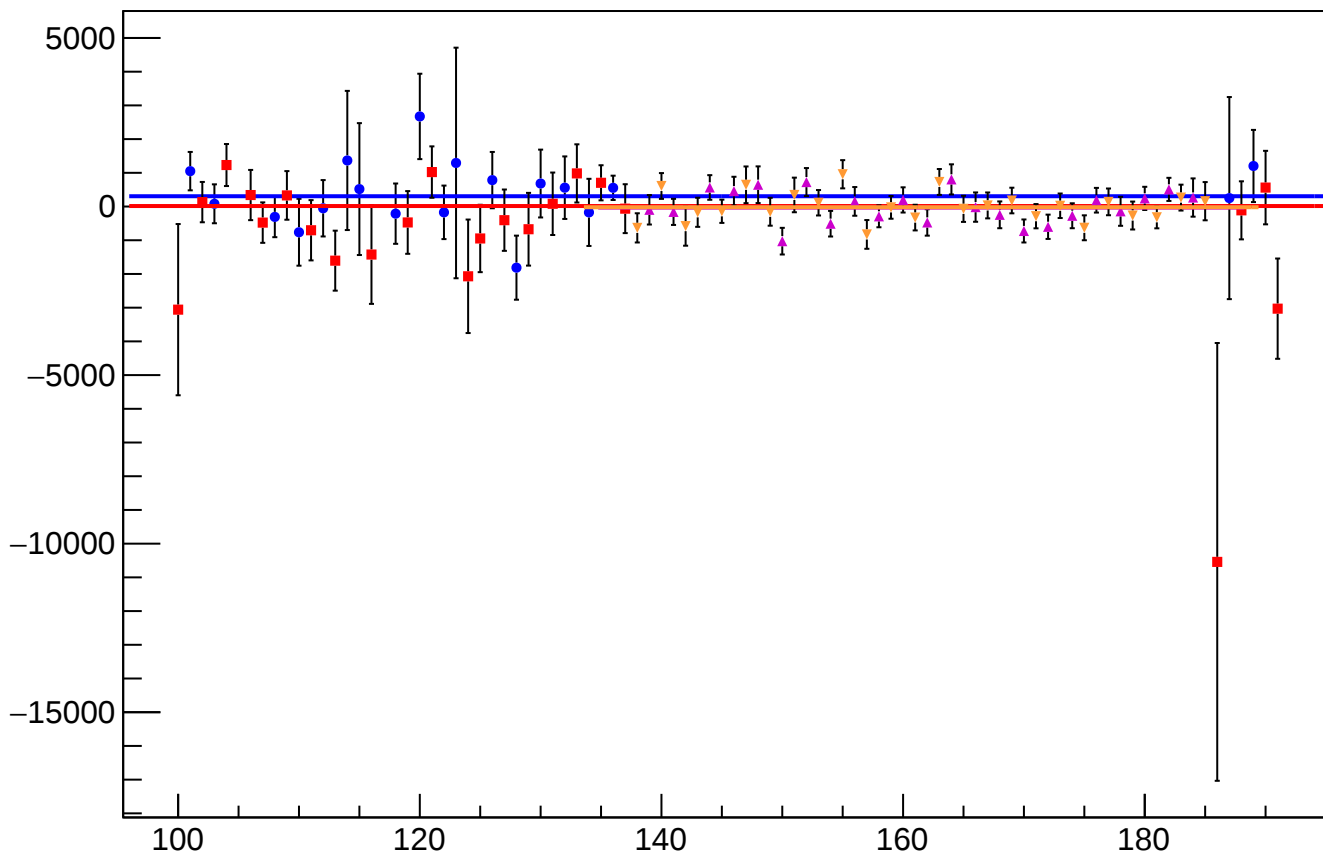
Right: 481.694 $\pm$ 0.089 χ^2 /NDF: 2829009.5/41

In: 356.073 $\pm$ 0.052 χ^2 /NDF:2367401.9/41

Out: 361.764 $\pm$ 0.051 χ^2 /NDF:3629010.4/47

All: 358.996 $\pm$ 0.036 χ^2 /NDF: 6002551.9/89

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 305.574 $\pm$ 183.472 χ^2 /NDF: 15.7/18

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 14.812 $\pm$ 176.569 χ^2 /NDF: 26.5/22

Left In: -31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

Left: -26.211 $\pm$ 57.139 χ^2 /NDF: 61.3/47

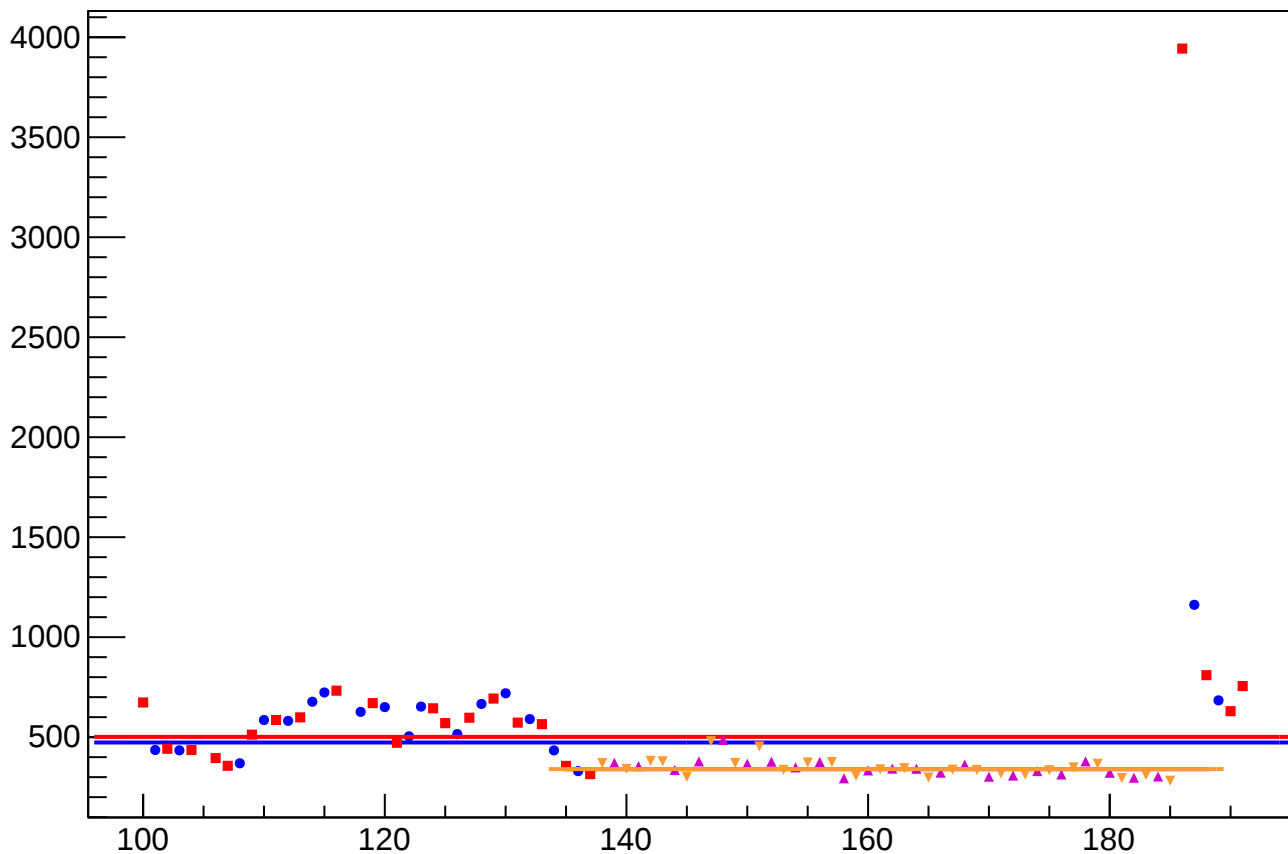
Right: 154.620 $\pm$ 127.223 χ^2 /NDF: 43.6/41

In: 24.187 $\pm$ 74.741 χ^2 /NDF:52.6/41

Out: -14.837 $\pm$ 72.727 χ^2 /NDF:53.8/47

All: 4.142 $\pm$ 52.123 χ^2 /NDF: 106.5/89

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 473.324+/-0.130 χ^2/NDF : 1035670.8/18

Left Out: 340.238+/-0.056 χ^2/NDF : 468863.6/24

Right Out: 501.429+/-0.125 χ^2/NDF : 1692821.2/22

Left In: 339.621+/-0.058 χ^2/NDF : 379808.1/22

Left: 339.937+/-0.040 χ^2/NDF : 848729.8/47

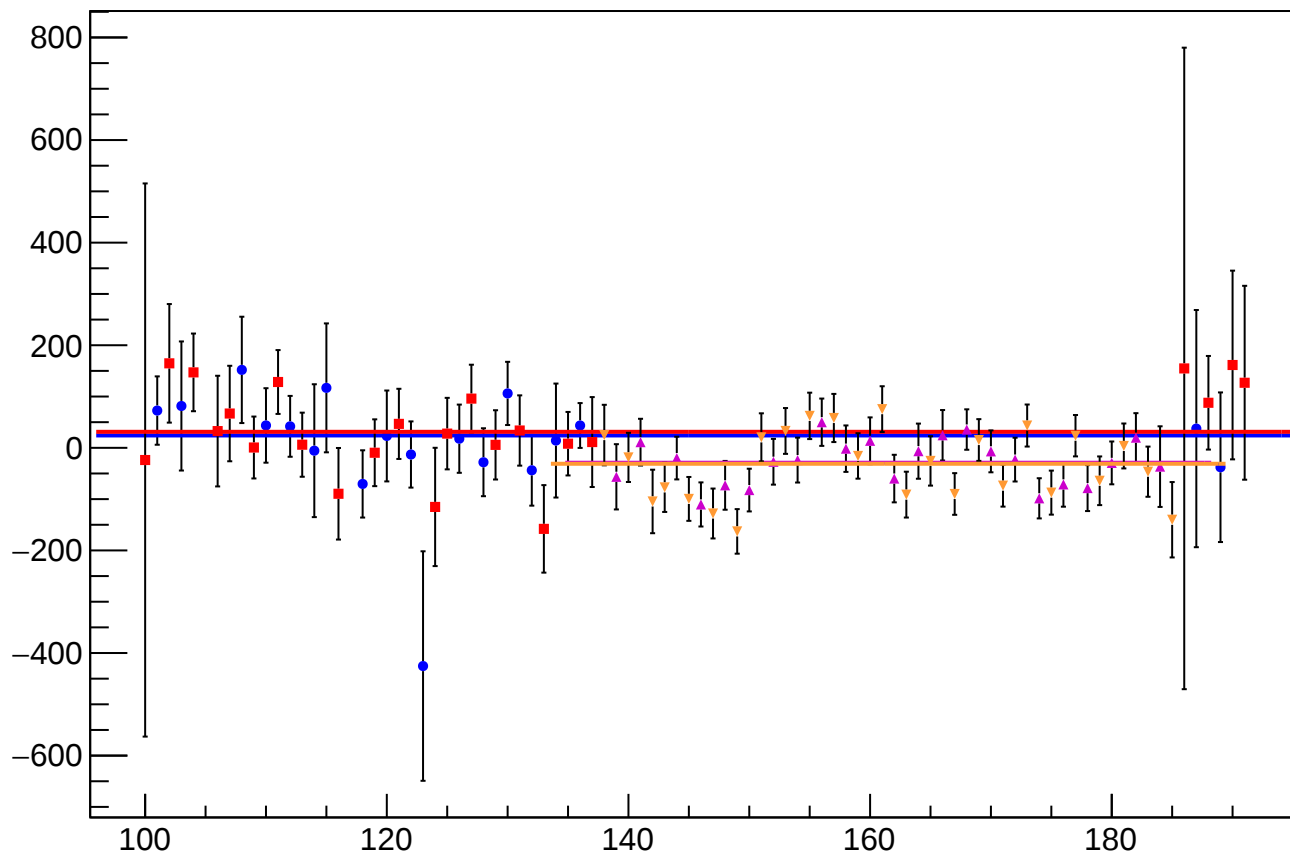
Right: 487.916+/-0.090 χ^2/NDF : 2752856.8/41

In: 361.809+/-0.053 χ^2/NDF : 2301343.5/41

Out: 367.585+/-0.051 χ^2/NDF : 3545720.0/47

All: 364.776+/-0.037 χ^2/NDF : 5853197.6/89

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.124 $\pm$ 17.687 χ^2 /NDF: 13.2/18

Left Out: -31.063 $\pm$ 9.170 χ^2 /NDF:52.6/24

Right Out: 31.243 $\pm$ 16.977 χ^2 /NDF: 18.0/22

Left In: -29.055 $\pm$ 9.449 χ^2 /NDF:22.4/22

Left: -30.089 $\pm$ 6.581 χ^2 /NDF: 75.1/47

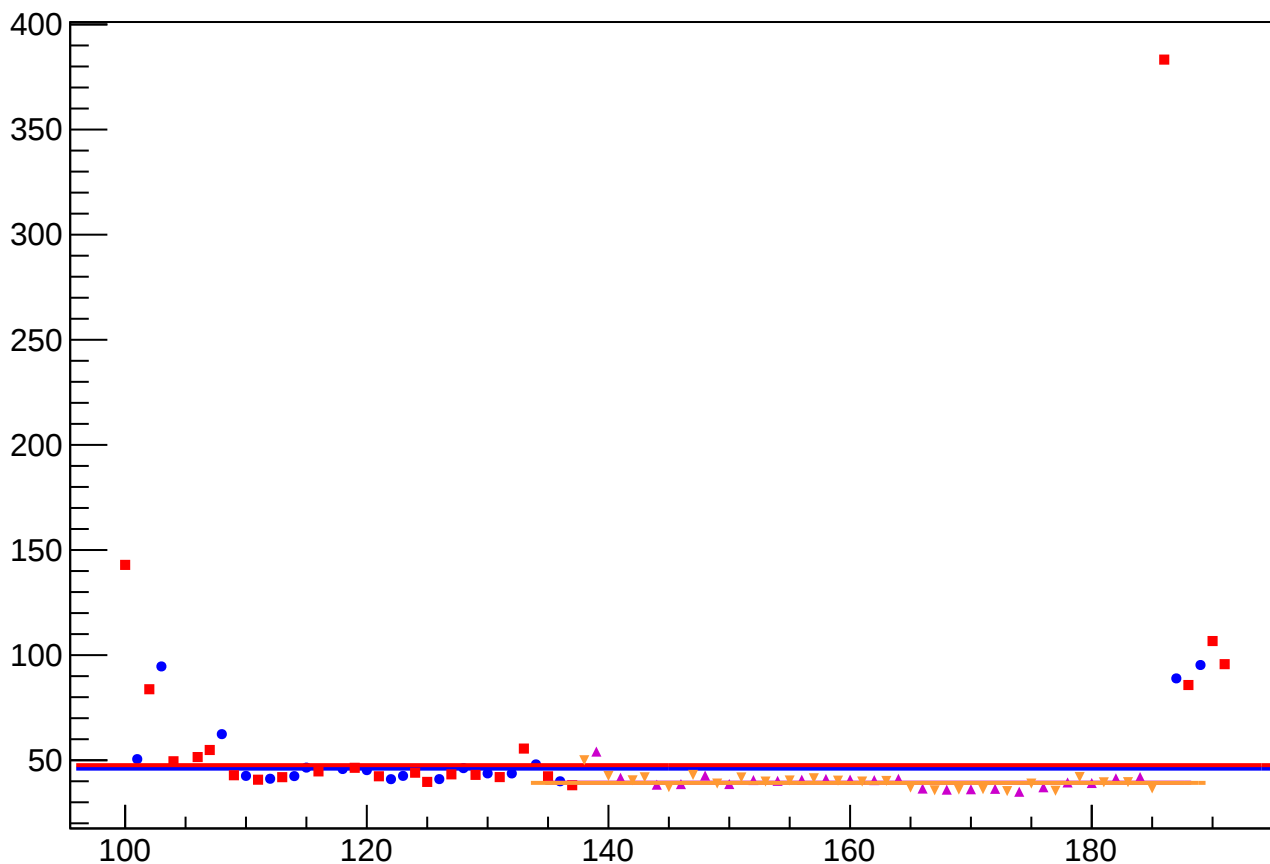
Right: 27.829 $\pm$ 12.248 χ^2 /NDF: 31.3/41

In: -17.247 $\pm$ 8.335 χ^2 /NDF:42.7/41

Out: -16.992 $\pm$ 8.068 χ^2 /NDF:81.0/47

All: -17.115 $\pm$ 5.797 χ^2 /NDF: 123.7/89

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 46.006 $\pm$ 0.013 χ^2 /NDF: 741934.8/18

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 47.662 $\pm$ 0.012 χ^2 /NDF: 1718238.2/22

Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

Left: 39.285 $\pm$ 0.005 χ^2 /NDF: 417755.0/47

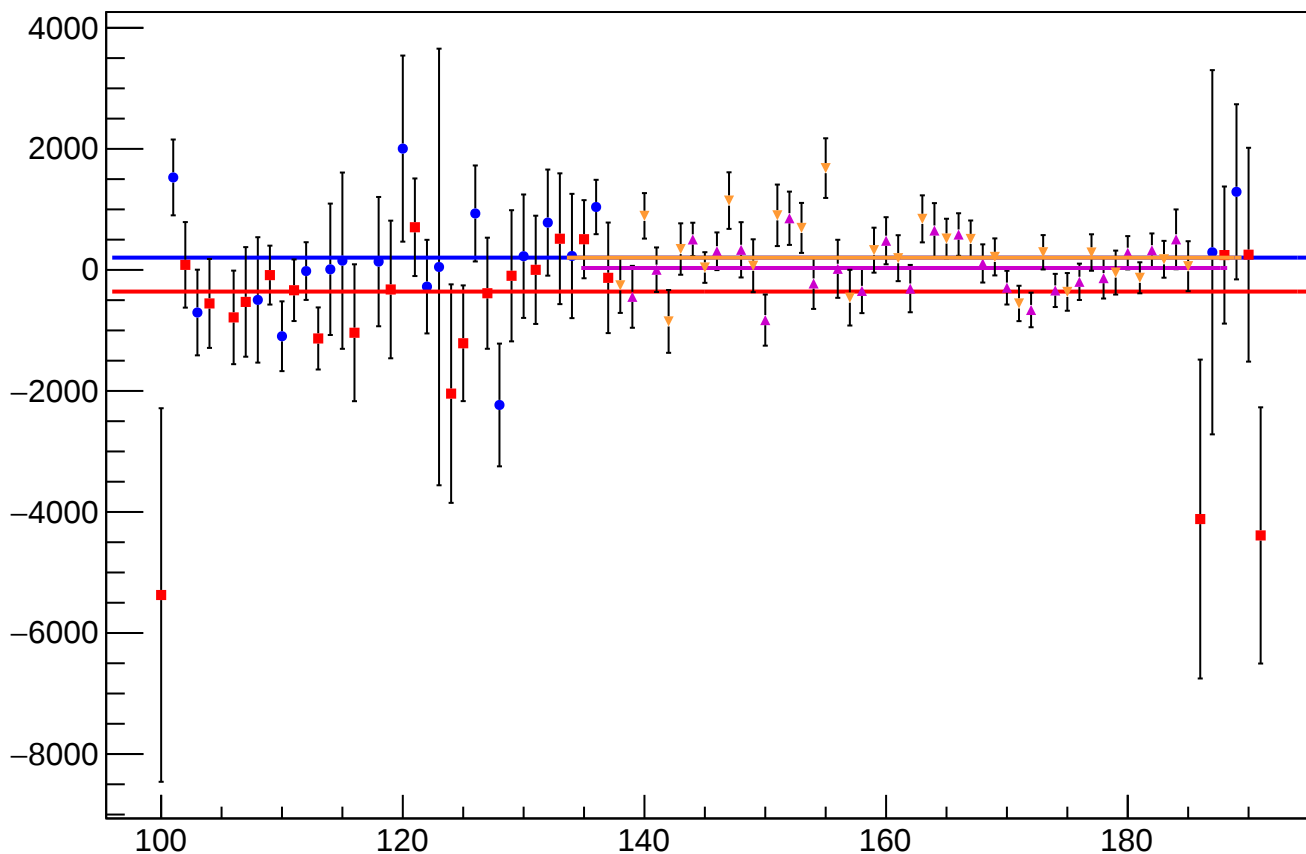
Right: 46.868 $\pm$ 0.009 χ^2 /NDF: 2469293.9/41

In: 40.819 $\pm$ 0.006 χ^2 /NDF: 1178754.0/41

Out: 41.138 $\pm$ 0.006 χ^2 /NDF: 2301674.7/47

All: 40.984 $\pm$ 0.004 χ^2 /NDF: 3481943.1/89

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 202.994 $\pm$ 187.088 χ^2 /NDF: 24.7/18

Left Out: 202.369 $\pm$ 70.426 χ^2 /NDF:44.8/24

Right Out: -358.069 $\pm$ 175.581 χ^2 /NDF: 18.6/22

Left In: 31.548 $\pm$ 72.100 χ^2 /NDF:33.4/22

Left: 118.965 $\pm$ 50.380 χ^2 /NDF: 81.1/47

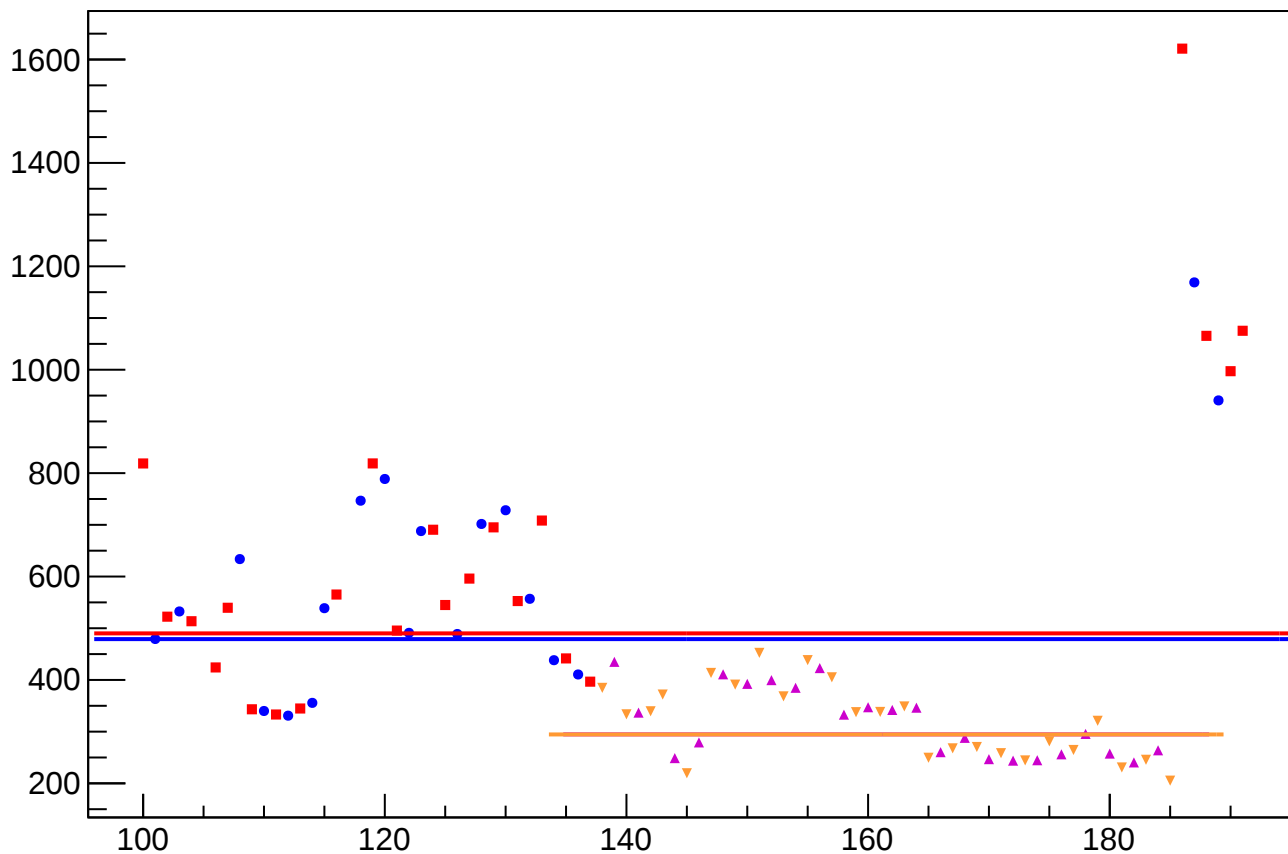
Right: -95.320 $\pm$ 128.029 χ^2 /NDF: 48.1/41

In: 53.718 $\pm$ 67.277 χ^2 /NDF:58.8/41

Out: 124.700 $\pm$ 65.364 χ^2 /NDF:72.2/47

All: 90.233 $\pm$ 46.881 χ^2 /NDF: 131.6/89

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 478.974+/-0.132 χ^2/NDF : 1198788.5/18

Left Out: 294.591+/-0.050 χ^2/NDF : 1680474.5/24

Right Out: 490.055+/-0.124 χ^2/NDF : 2213419.0/22

Left In: 294.722+/-0.051 χ^2/NDF : 1297310.3/22

Left: 294.655+/-0.036 χ^2/NDF : 2977788.1/47

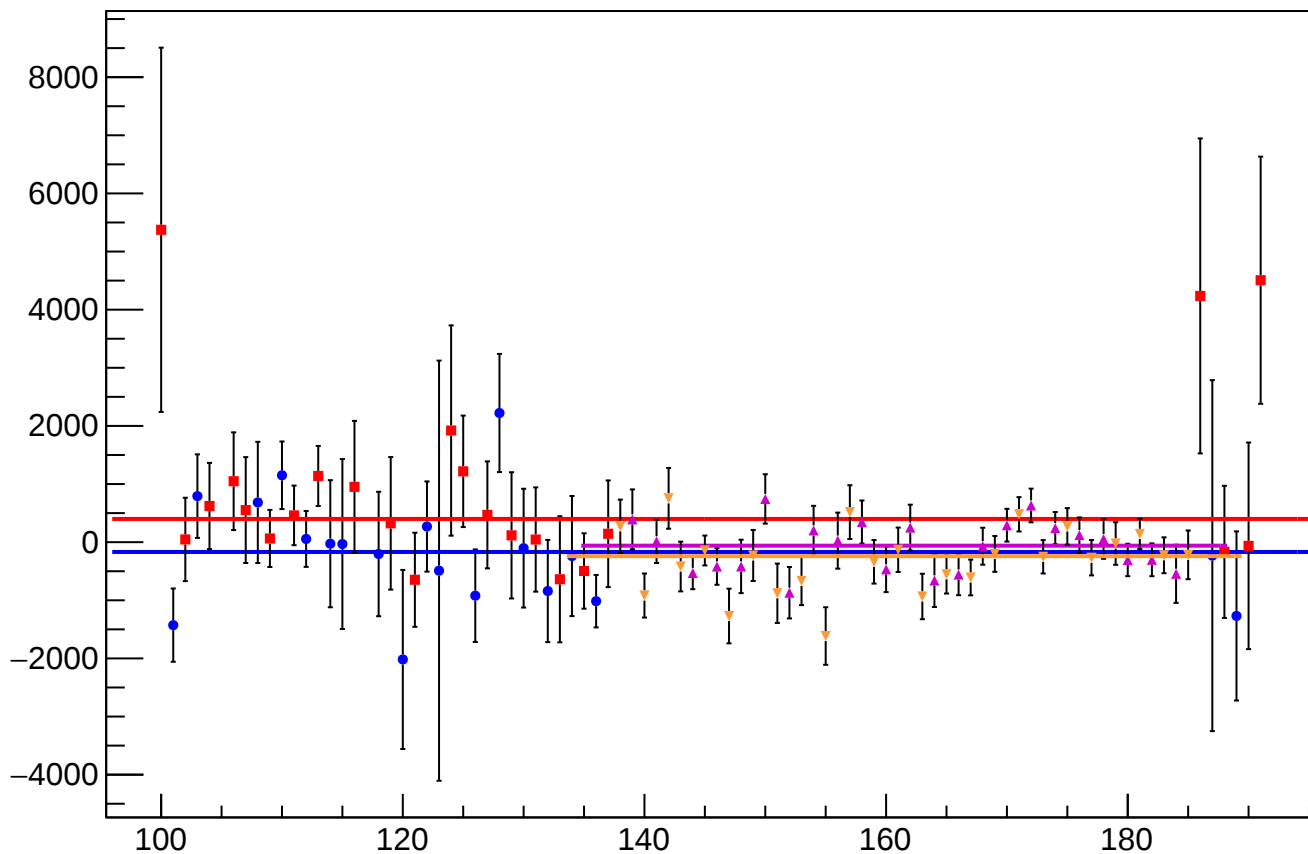
Right: 484.866+/-0.091 χ^2/NDF : 3415938.2/41

In: 318.548+/-0.048 χ^2/NDF : 4185082.2/41

Out: 321.680+/-0.046 χ^2/NDF : 6028987.4/47

All: 320.159+/-0.033 χ^2/NDF : 10216299.2/89

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -168.564 $\pm$ 188.243 χ^2/NDF : 24.7/18

Left Out: -240.357 $\pm$ 71.100 χ^2/NDF : 42.9/24

Right Out: 399.640 $\pm$ 177.391 χ^2/NDF : 18.5/22

Left In: -60.330 $\pm$ 72.788 χ^2/NDF : 30.9/22

Left: -152.455 $\pm$ 50.862 χ^2/NDF : 77.0/47

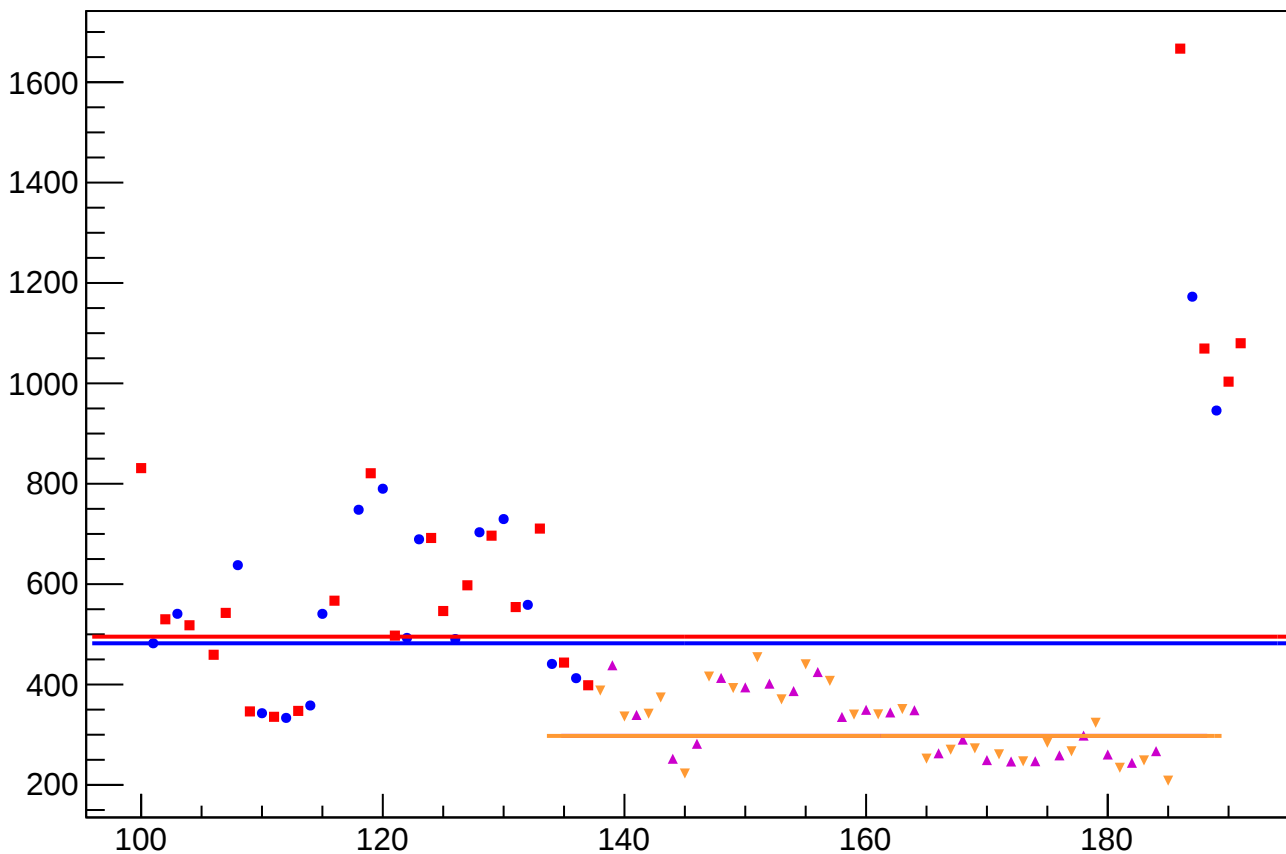
Right: 132.388 $\pm$ 129.100 χ^2/NDF : 48.1/41

In: -74.407 $\pm$ 67.890 χ^2/NDF : 55.9/41

Out: -151.772 $\pm$ 65.997 χ^2/NDF : 72.7/47

All: -114.183 $\pm$ 47.322 χ^2/NDF : 129.2/89

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.123+/-0.133 χ^2/NDF : 1189349.5/18

Left Out: 297.613+/-0.050 χ^2/NDF : 1637757.8/24

Right Out: 495.335+/-0.125 χ^2/NDF : 2195124.6/22

Left In: 297.699+/-0.051 χ^2/NDF : 1266306.2/22

Left: 297.655+/-0.036 χ^2/NDF : 2904065.4/47

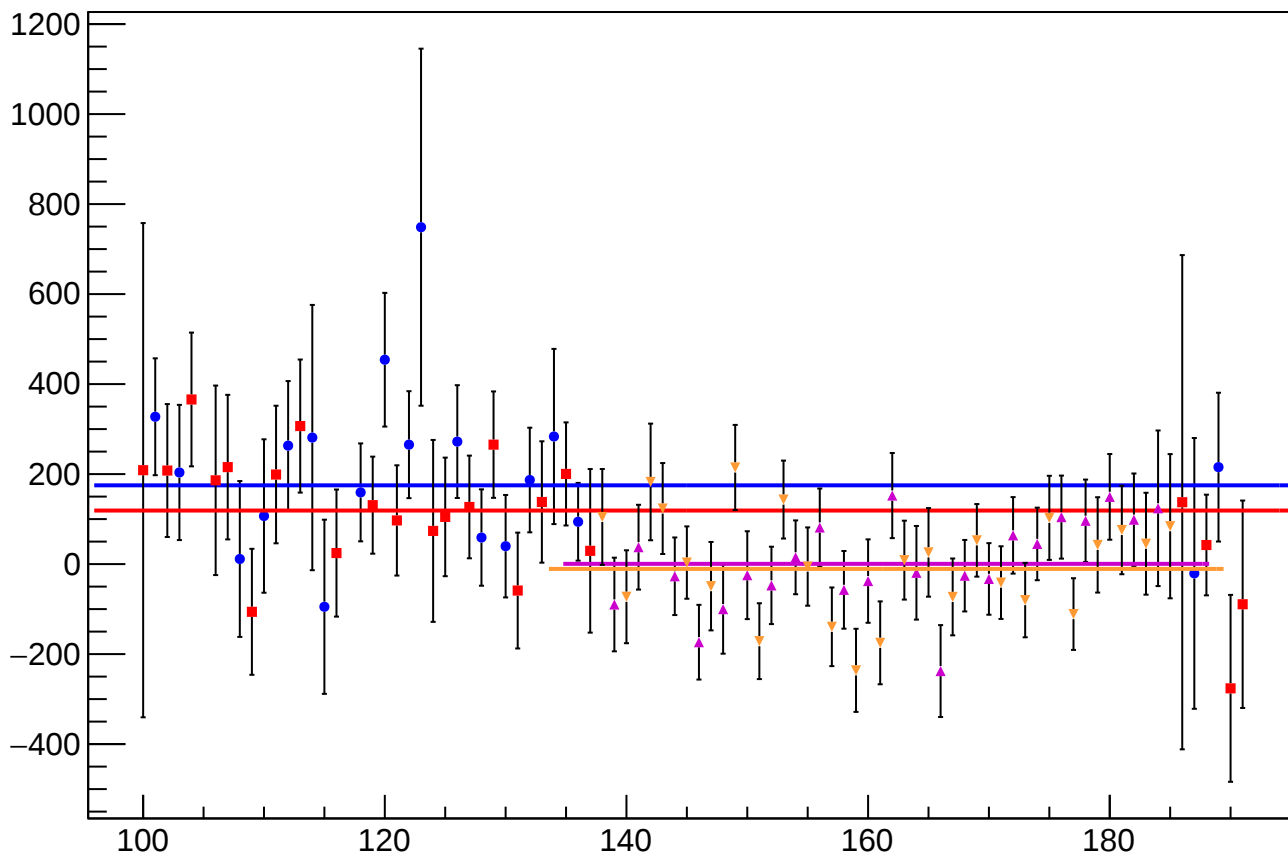
Right: 489.121+/-0.091 χ^2/NDF : 3389692.2/41

In: 321.686+/-0.048 χ^2/NDF : 4125631.7/41

Out: 324.980+/-0.047 χ^2/NDF : 5973683.9/47

All: 323.380+/-0.033 χ^2/NDF : 10101736.0/89

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 175.035 $\pm$ 32.021 χ^2 /NDF: 16.0/18

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF:36.3/24

Right Out: 119.002 $\pm$ 30.491 χ^2 /NDF: 17.8/22

Left In: 0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

Left: -5.190 $\pm$ 13.326 χ^2 /NDF: 60.3/47

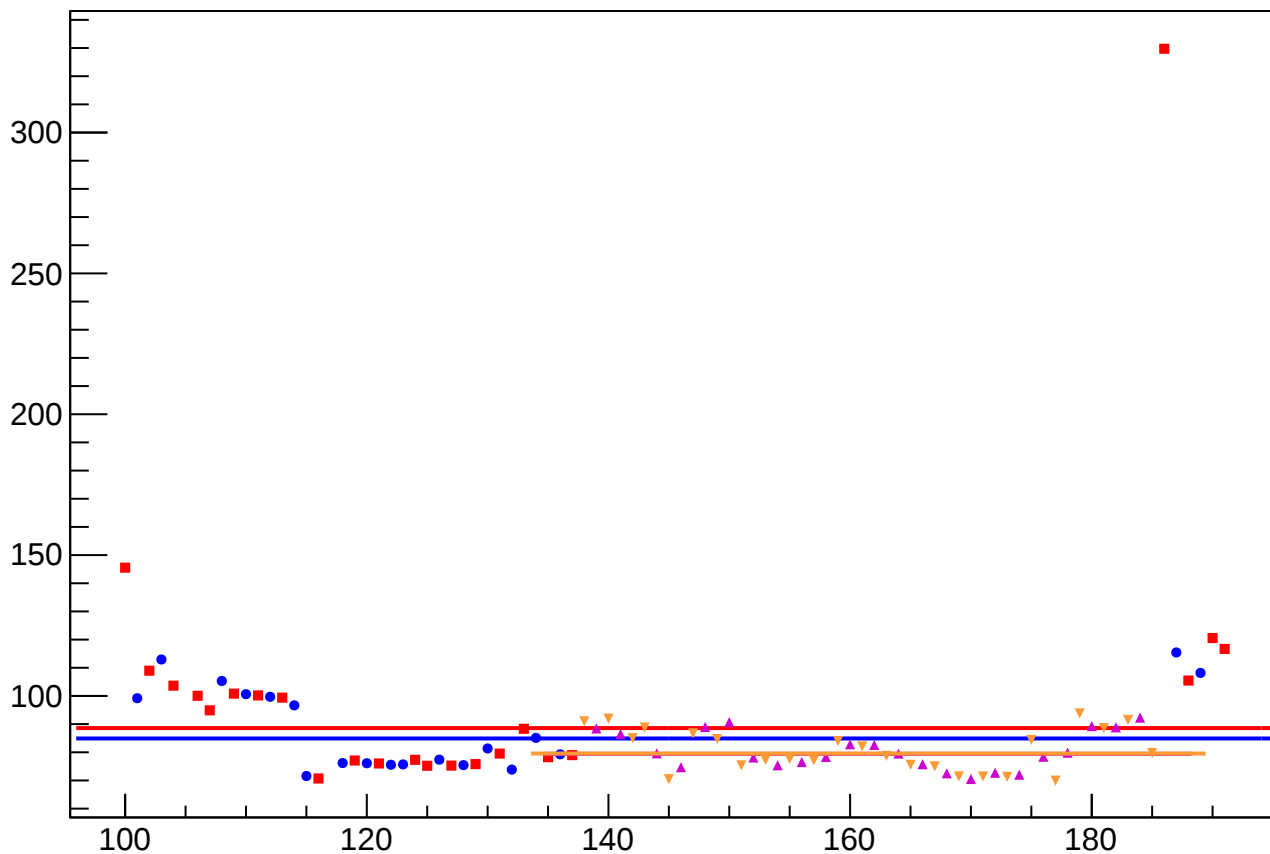
Right: 145.648 $\pm$ 22.081 χ^2 /NDF: 35.4/41

In: 46.326 $\pm$ 16.398 χ^2 /NDF:61.7/41

Out: 24.526 $\pm$ 15.885 χ^2 /NDF:67.3/47

All: 35.080 $\pm$ 11.409 χ^2 /NDF: 129.9/89

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 84.903 ± 0.023 $\chi^2/\text{NDF}: 317533.3/18$

Left Out: 79.551 ± 0.013 $\chi^2/\text{NDF}: 309075.2/24$

Right Out: 88.586 ± 0.022 $\chi^2/\text{NDF}: 819923.0/22$

Left In: 79.436 ± 0.013 $\chi^2/\text{NDF}: 212440.1/22$

Left: 79.495 ± 0.009 $\chi^2/\text{NDF}: 521552.2/47$

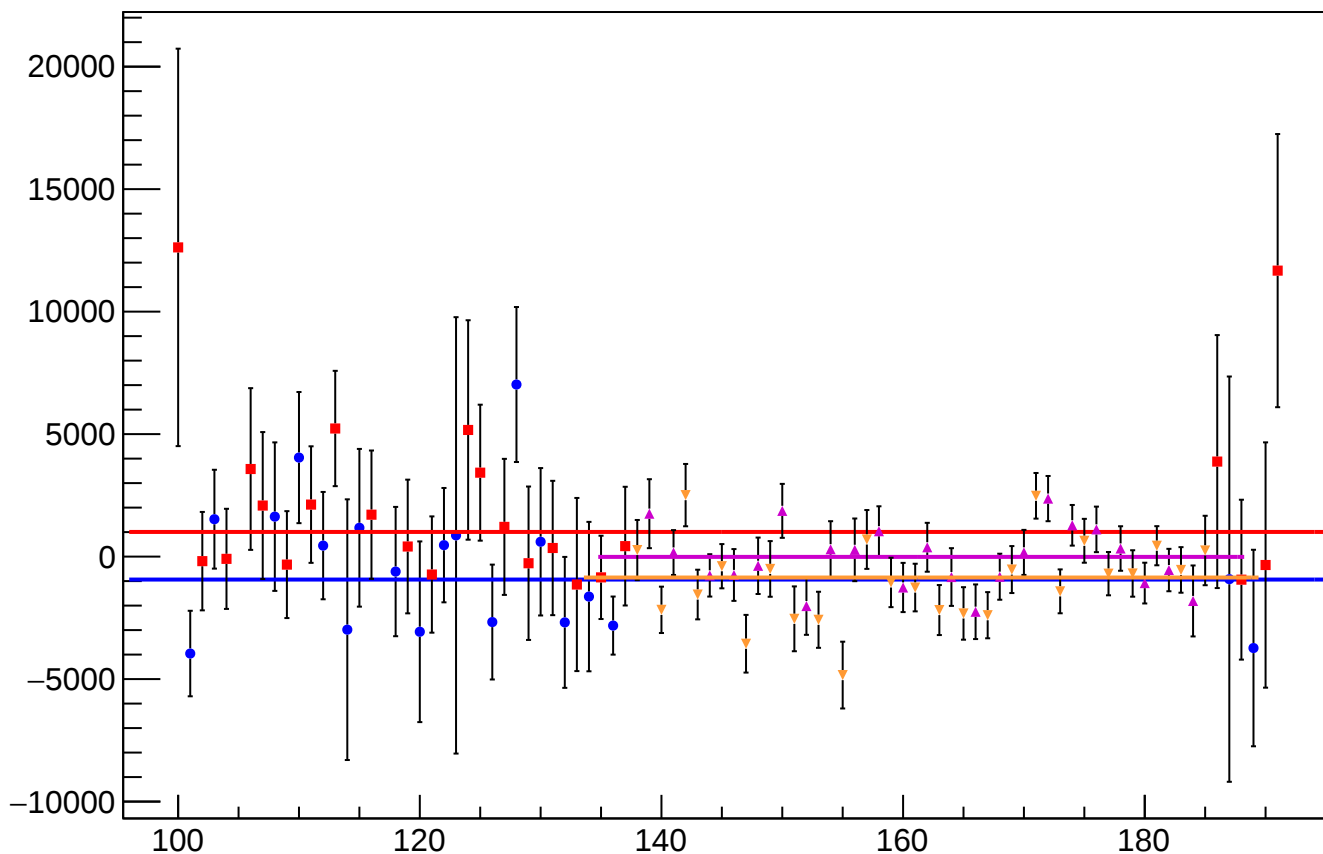
Right: 86.835 ± 0.016 $\chi^2/\text{NDF}: 1151330.3/41$

In: 80.870 ± 0.012 $\chi^2/\text{NDF}: 572979.6/41$

Out: 82.003 ± 0.011 $\chi^2/\text{NDF}: 1256942.4/47$

All: 81.455 ± 0.008 $\chi^2/\text{NDF}: 1834848.3/89$

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -937.016+/-576.986 χ^2/NDF : 21.0/18

Left Out: -854.130+/-204.090 χ^2/NDF :56.0/24

Right Out: 1006.777+/-570.319 χ^2/NDF : 15.8/22

Left In: -11.687+/-210.073 χ^2/NDF :31.2/22

Left: -445.076+/-146.383 χ^2/NDF : 95.5/47

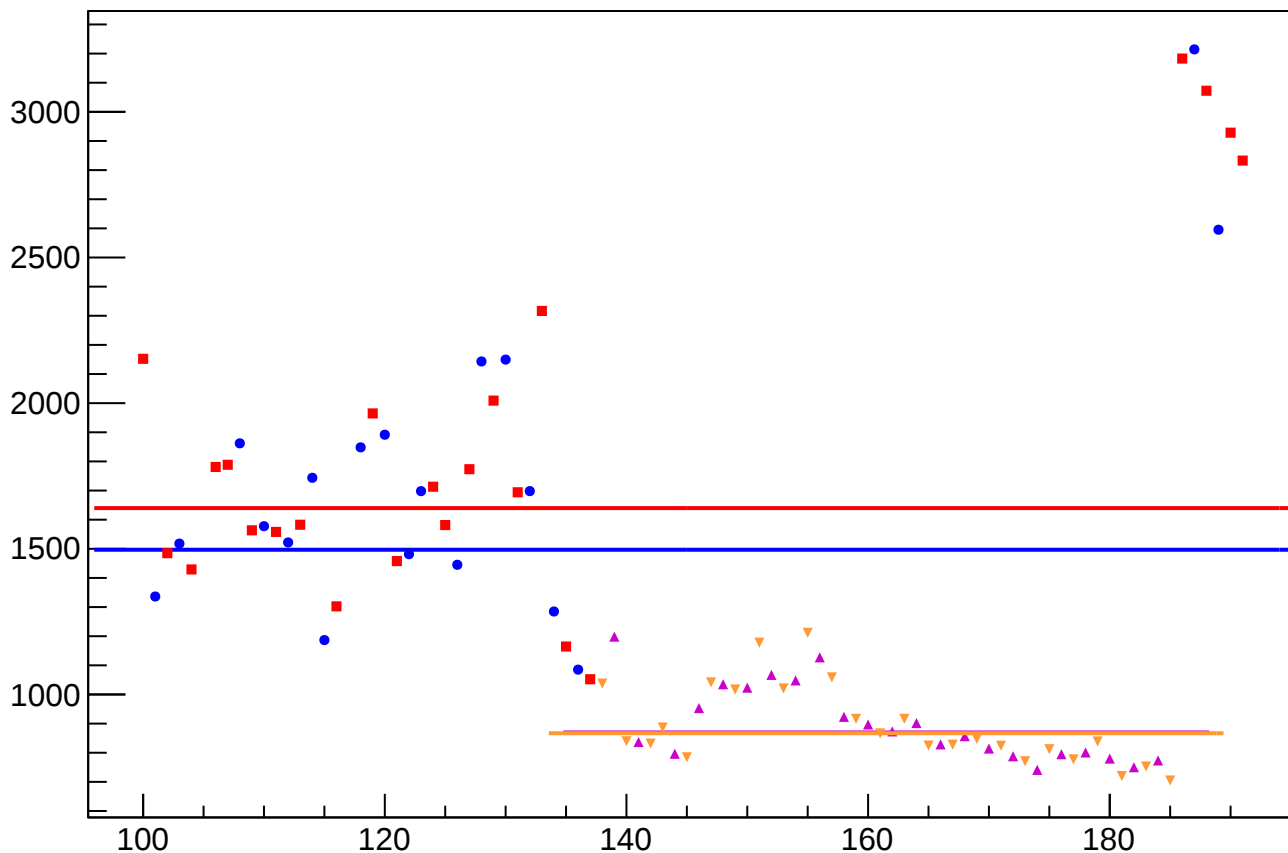
Right: 46.176+/-405.613 χ^2/NDF : 42.5/41

In: -119.991+/-197.397 χ^2/NDF :54.5/41

Out: -642.877+/-192.157 χ^2/NDF :81.2/47

All: -388.466+/-137.691 χ^2/NDF : 139.3/89

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1496.826+/-0.408 χ^2/NDF : 807553.3/18

Left Out: 866.893+/-0.144 χ^2/NDF : 661712.5/24

Right Out: 1639.808+/-0.403 χ^2/NDF : 1298822.2/22

Left In: 869.569+/-0.149 χ^2/NDF : 582301.2/22

Left: 868.192+/-0.104 χ^2/NDF : 1244180.7/47

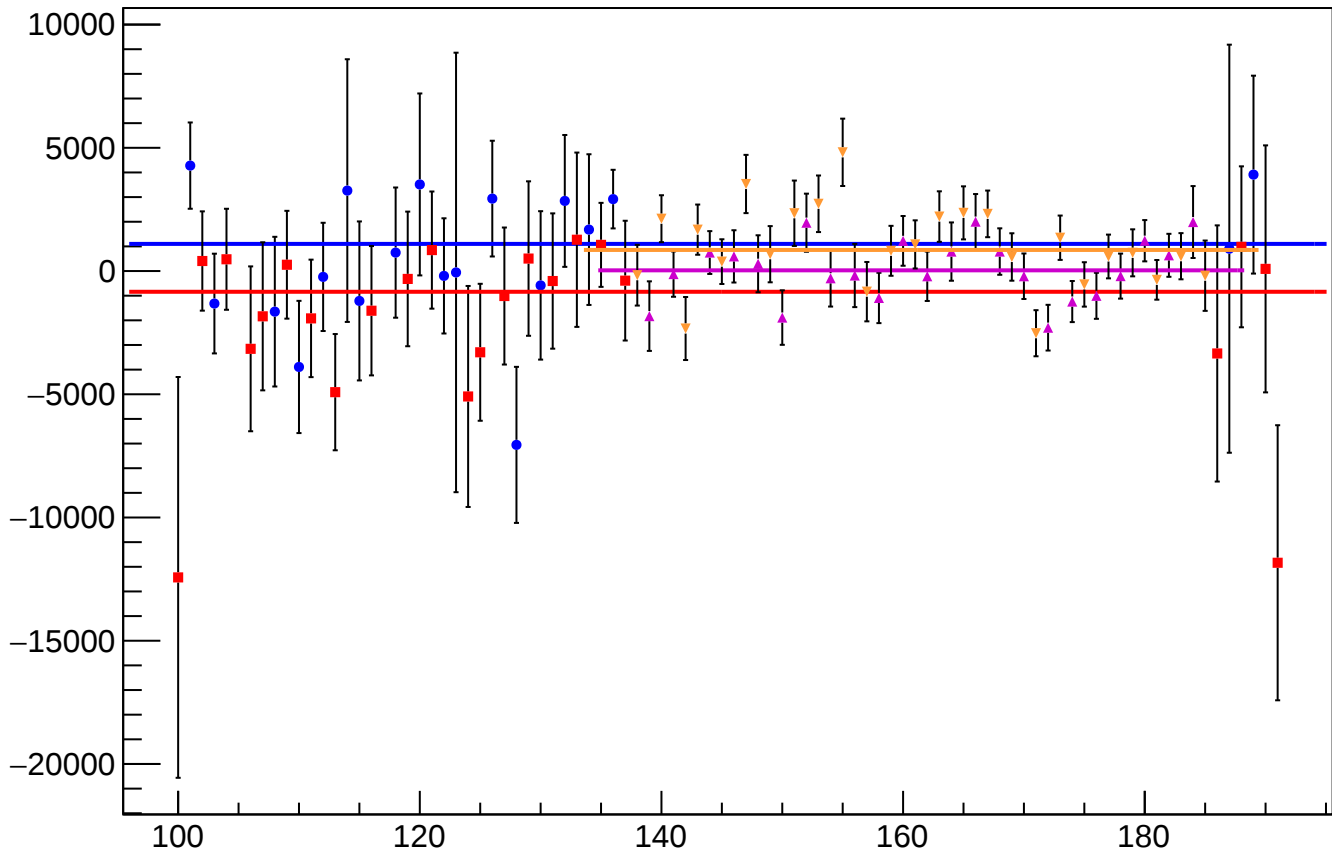
Right: 1569.148+/-0.287 χ^2/NDF : 2168498.4/41

In: 942.985+/-0.140 χ^2/NDF : 3476887.2/41

Out: 954.635+/-0.136 χ^2/NDF : 5216846.0/47

All: 948.967+/-0.097 χ^2/NDF : 8697310.0/89

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1101.324+/-578.166 χ^2/NDF : 21.7/18

Left Out: 855.664+/-205.047 χ^2/NDF : 54.1/24

Right Out: -841.222+/-571.579 χ^2/NDF : 15.5/22

Left In: 28.553+/-211.034 χ^2/NDF : 29.7/22

Left: 454.007+/-147.061 χ^2/NDF : 91.7/47

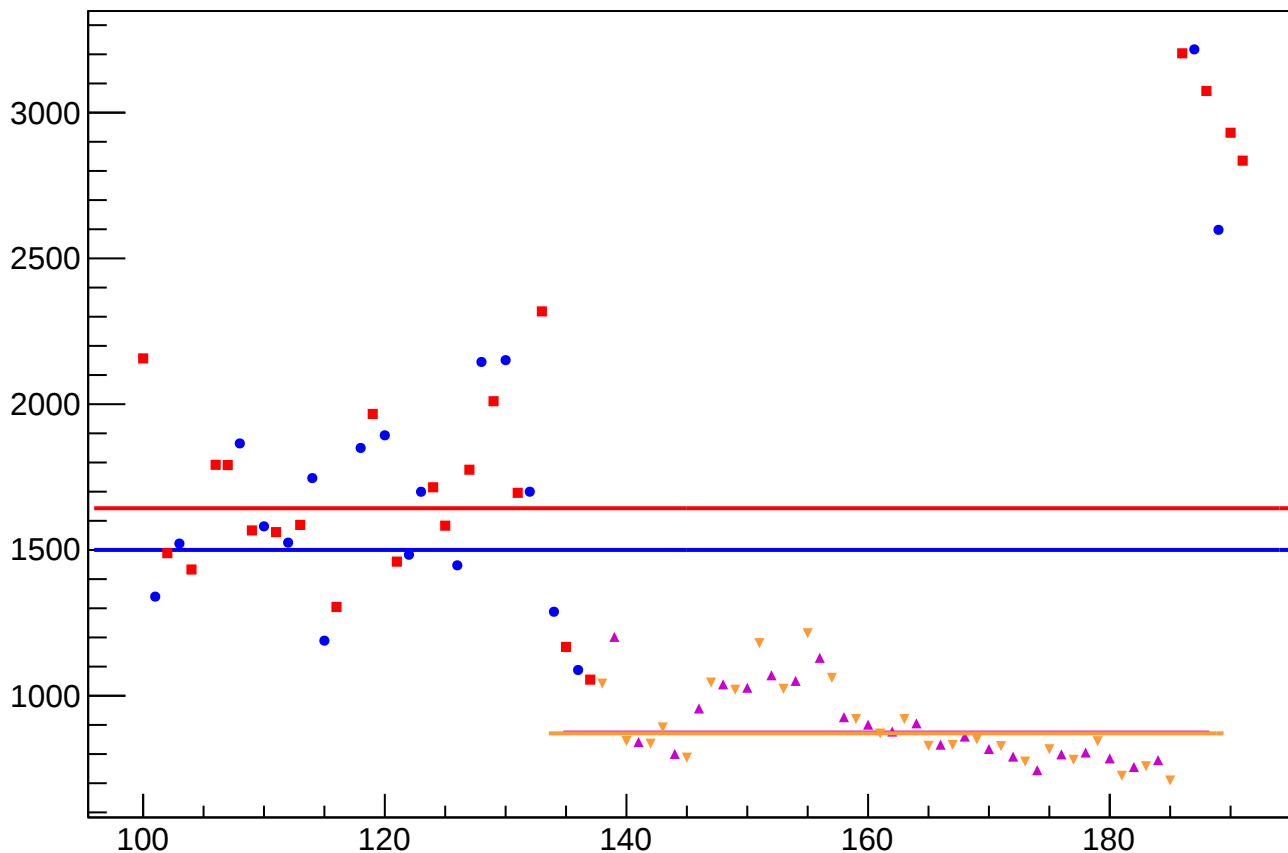
Right: 118.923+/-406.476 χ^2/NDF : 42.9/41

In: 154.674+/-198.241 χ^2/NDF : 54.5/41

Out: 662.187+/-193.004 χ^2/NDF : 77.3/47

All: 415.223+/-138.289 χ^2/NDF : 135.2/89

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1500.153 $\pm$ 0.409 χ^2/NDF : 803393.4/18

Left Out: 871.109 $\pm$ 0.145 χ^2/NDF : 651751.1/24

Right Out: 1643.161 $\pm$ 0.404 χ^2/NDF : 1296619.1/22

Left In: 873.675 $\pm$ 0.149 χ^2/NDF : 573822.5/22

Left: 872.355 $\pm$ 0.104 χ^2/NDF : 1225725.6/47

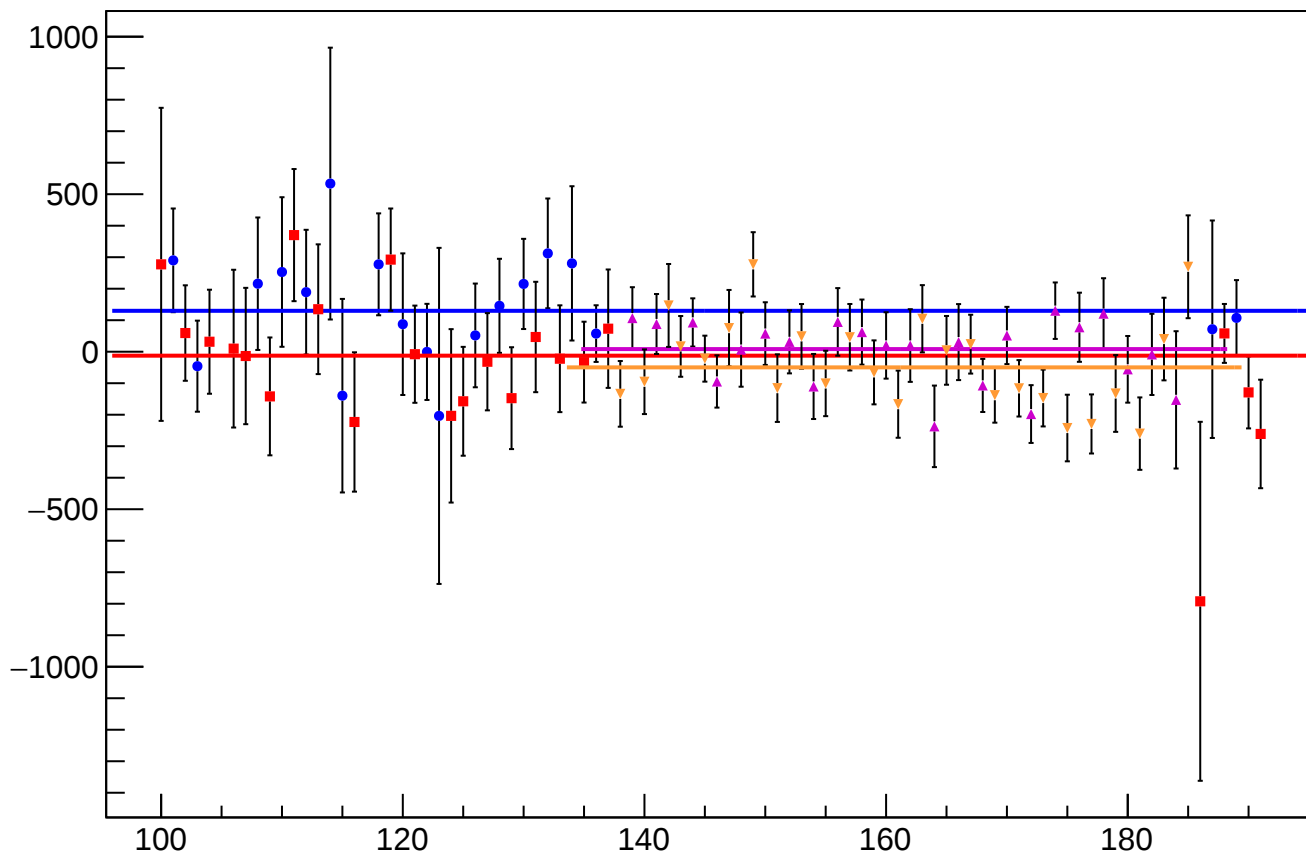
Right: 1572.476 $\pm$ 0.287 χ^2/NDF : 2161894.6/41

In: 947.328 $\pm$ 0.140 χ^2/NDF : 3449356.9/41

Out: 959.138 $\pm$ 0.136 χ^2/NDF : 5181287.8/47

All: 953.391 $\pm$ 0.098 χ^2/NDF : 8634288.8/89

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 129.838 ± 39.136 $\chi^2/\text{NDF}: 9.4/18$

Left Out: -49.717 ± 20.580 $\chi^2/\text{NDF}: 39.4/24$

Right Out: -12.551 ± 35.179 $\chi^2/\text{NDF}: 17.2/22$

Left In: 8.343 ± 21.271 $\chi^2/\text{NDF}: 22.0/22$

Left: -21.646 ± 14.791 $\chi^2/\text{NDF}: 65.3/47$

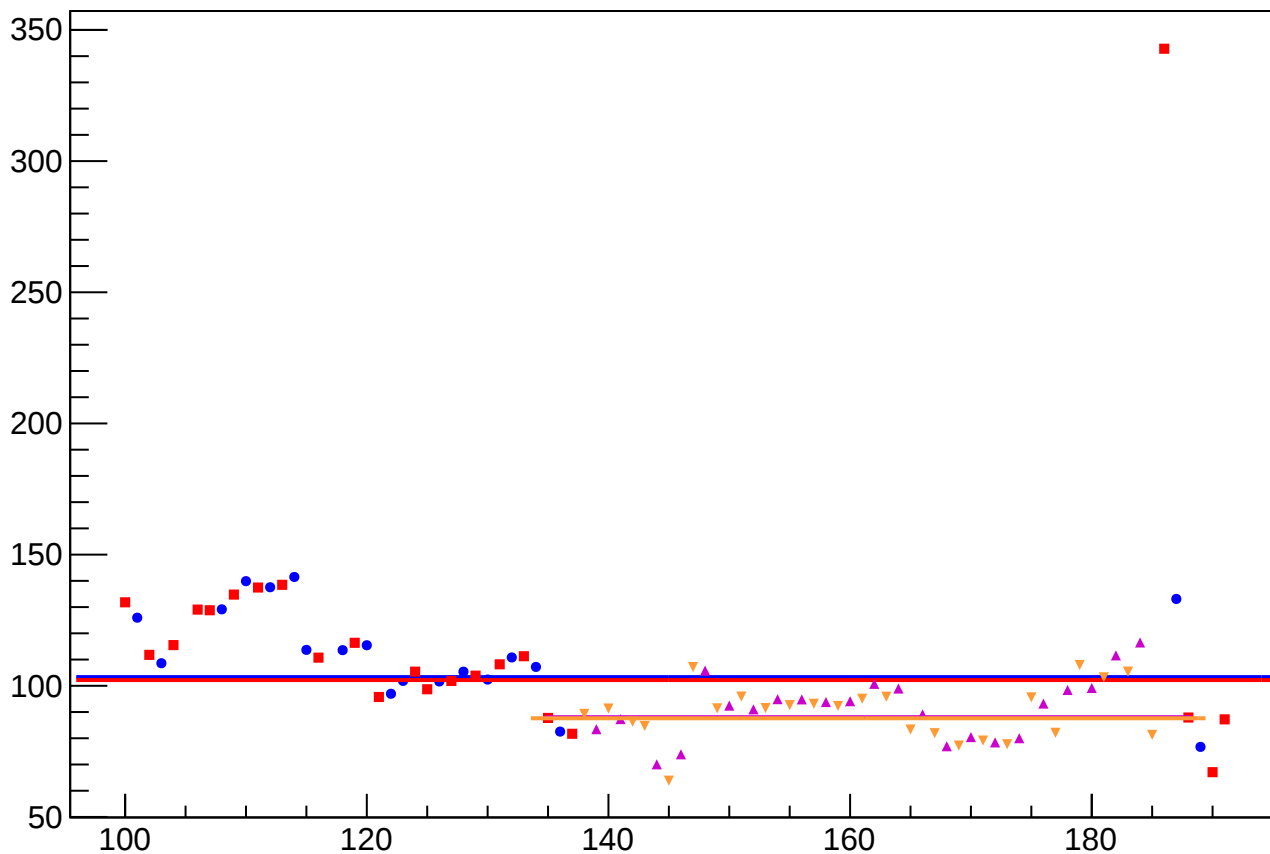
Right: 51.083 ± 26.163 $\chi^2/\text{NDF}: 33.9/41$

In: 36.049 ± 18.689 $\chi^2/\text{NDF}: 38.8/41$

Out: -40.241 ± 17.764 $\chi^2/\text{NDF}: 57.5/47$

All: -4.031 ± 12.876 $\chi^2/\text{NDF}: 105.0/89$

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 103.311 $\pm$ 0.028 χ^2 /NDF: 438311.9/18

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 102.187 $\pm$ 0.025 χ^2 /NDF: 948427.5/22

Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

Left: 87.822 $\pm$ 0.010 χ^2 /NDF: 1078779.2/47

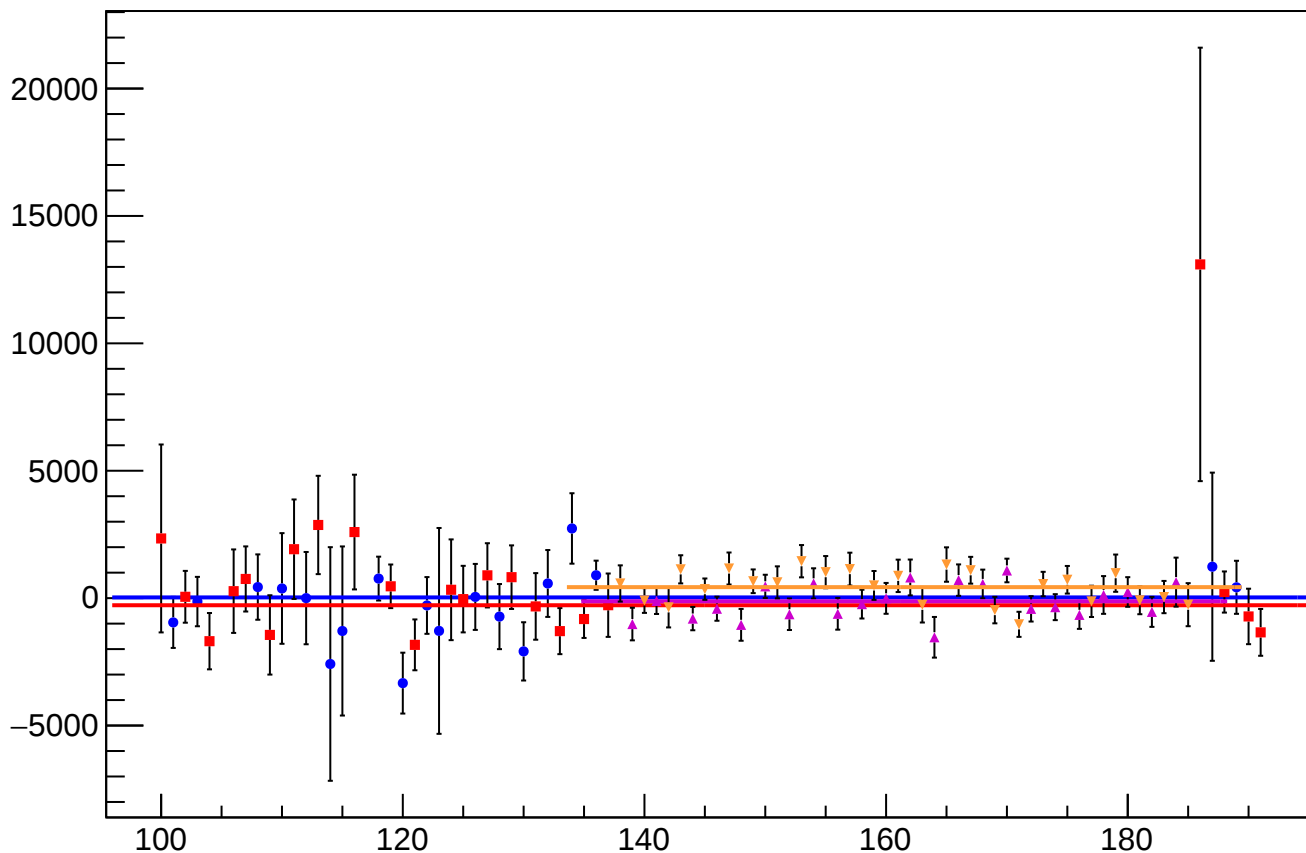
Right: 102.689 $\pm$ 0.018 χ^2 /NDF: 1387651.4/41

In: 91.516 $\pm$ 0.013 χ^2 /NDF: 1197333.8/41

Out: 91.338 $\pm$ 0.013 χ^2 /NDF: 1758420.5/47

All: 91.423 $\pm$ 0.009 χ^2 /NDF: 2955849.7/89

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 28.416 ± 273.469 χ^2/NDF : 20.8/18

Left Out: 431.658 ± 115.706 χ^2/NDF : 30.5/24

Right Out: -278.894 ± 247.553 χ^2/NDF : 20.3/22

Left In: -123.017 ± 118.849 χ^2/NDF : 29.3/22

Left: 161.753 ± 82.905 χ^2/NDF : 70.9/47

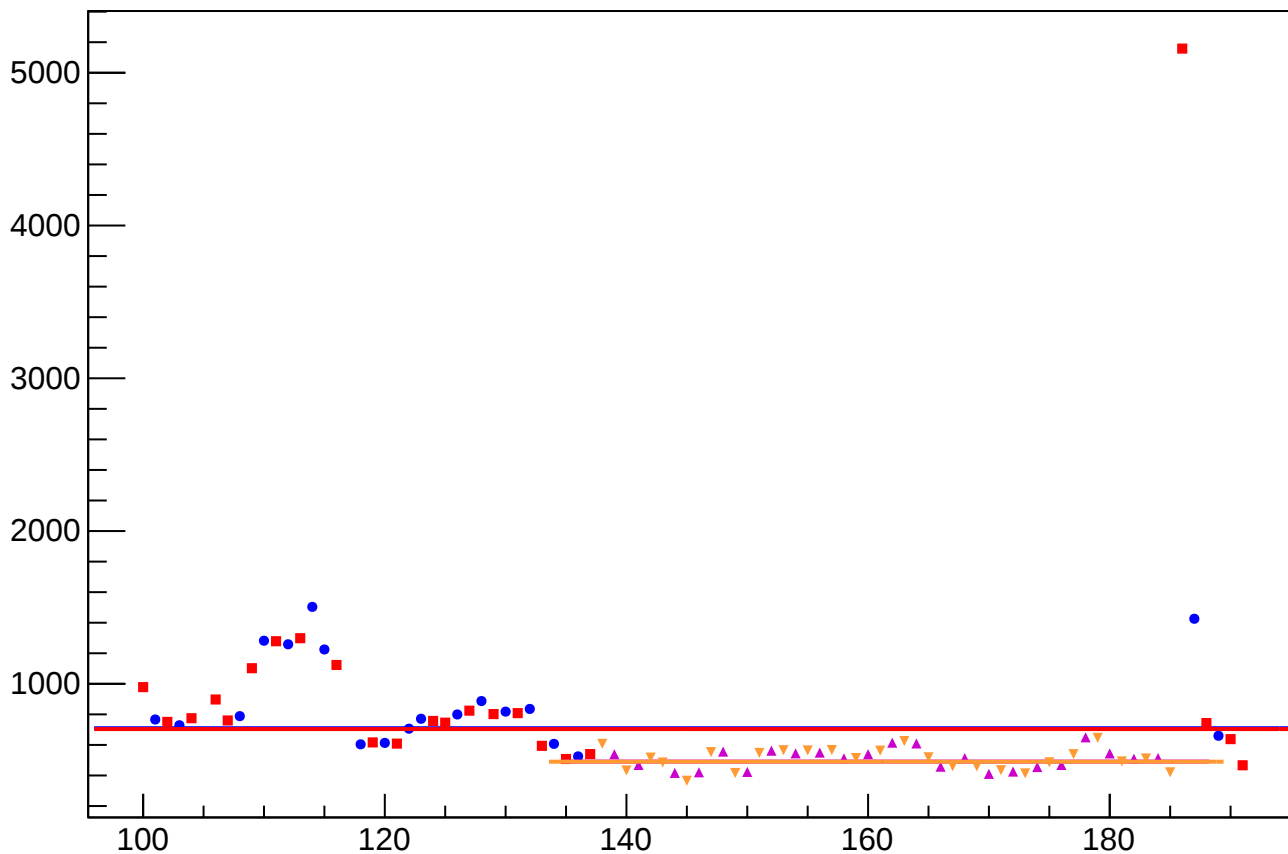
Right: -140.487 ± 183.526 χ^2/NDF : 41.8/41

In: -98.959 ± 109.000 χ^2/NDF : 50.3/41

Out: 304.261 ± 104.821 χ^2/NDF : 57.5/47

All: 110.529 ± 75.554 χ^2/NDF : 114.9/89

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 709.368 $\pm$ 0.193 χ^2 /NDF: 873342.4/18

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 703.861 $\pm$ 0.175 χ^2 /NDF: 1602659.4/22

Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

Left: 490.580 $\pm$ 0.059 χ^2 /NDF: 1339542.5/47

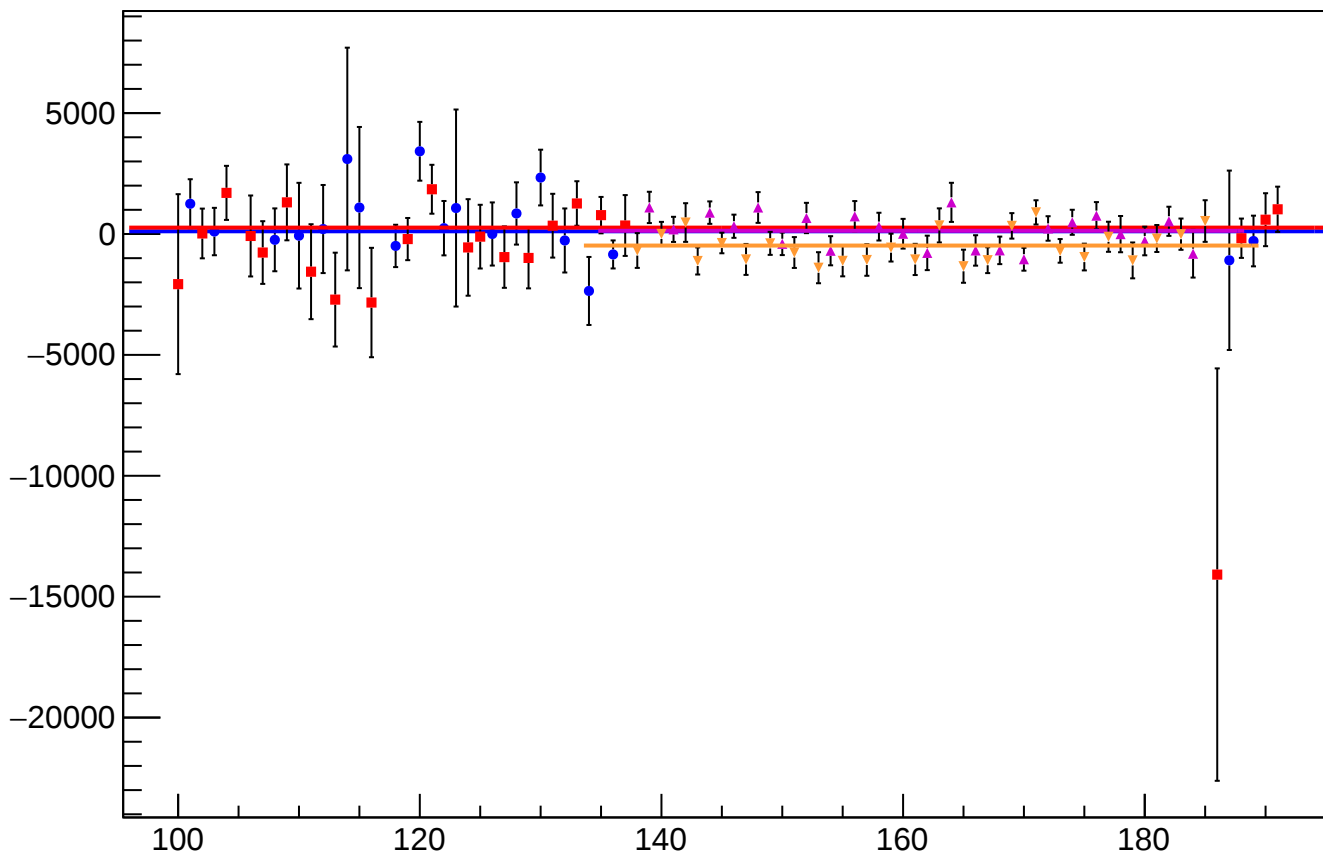
Right: 706.341 $\pm$ 0.130 χ^2 /NDF: 2476447.6/41

In: 525.616 $\pm$ 0.077 χ^2 /NDF: 2536107.4/41

Out: 528.563 $\pm$ 0.074 χ^2 /NDF: 3574908.8/47

All: 527.147 $\pm$ 0.053 χ^2 /NDF: 6111775.6/89

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 111.640 $\pm$ 276.712 χ^2 /NDF: 20.0/18

Left Out: -478.197 $\pm$ 117.659 χ^2 /NDF:27.8/24

Right Out: 263.547 $\pm$ 250.639 χ^2 /NDF: 18.8/22

Left In: 132.543 $\pm$ 120.866 χ^2 /NDF:29.5/22

Left: -181.037 $\pm$ 84.308 χ^2 /NDF: 70.5/47

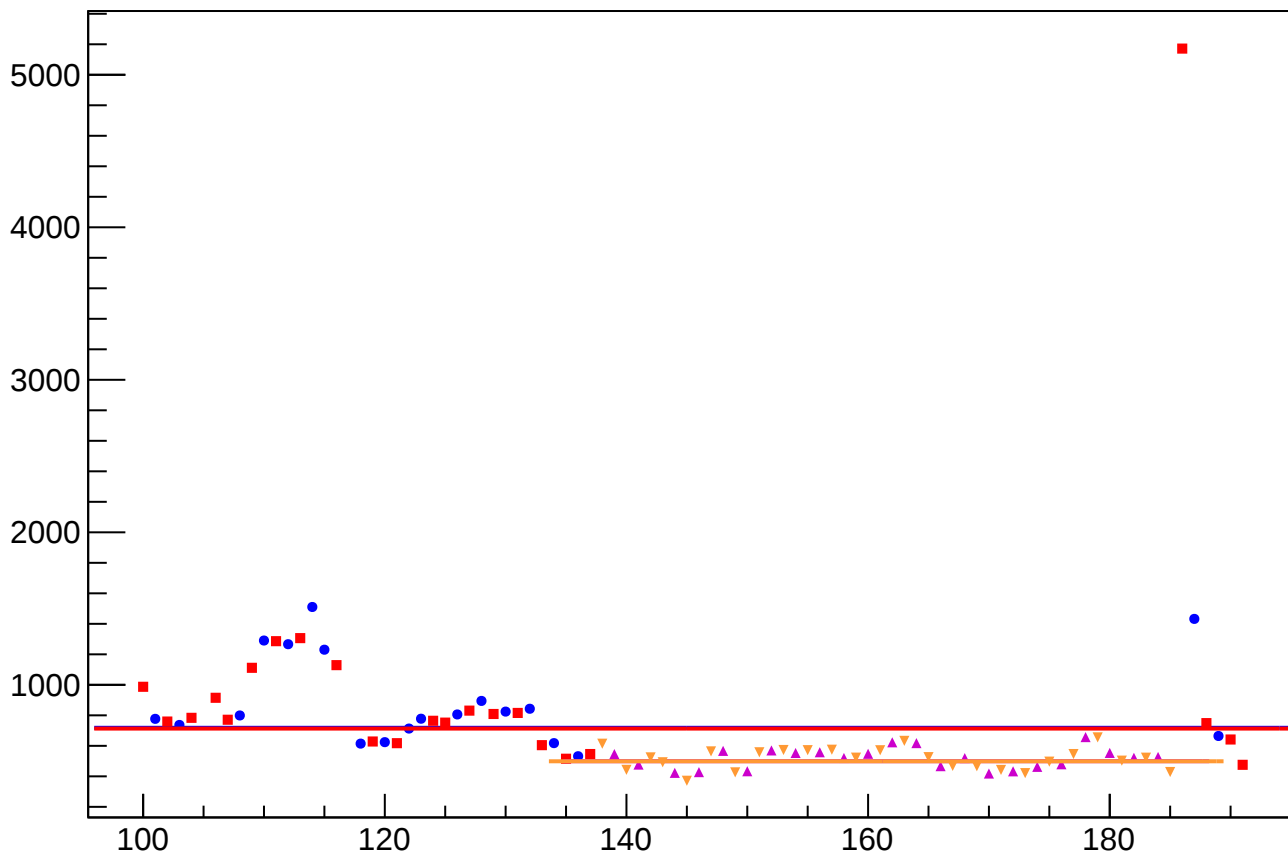
Right: 195.086 $\pm$ 185.764 χ^2 /NDF: 38.9/41

In: 129.194 $\pm$ 110.761 χ^2 /NDF:49.6/41

Out: -344.255 $\pm$ 106.507 χ^2 /NDF:53.7/47

All: -116.796 $\pm$ 76.772 χ^2 /NDF: 112.8/89

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 718.269+/-0.196 χ^2/NDF : 857833.8/18

Left Out: 498.754+/-0.083 χ^2/NDF : 734302.8/24

Right Out: 713.200+/-0.177 χ^2/NDF : 1578995.0/22

Left In: 499.393+/-0.085 χ^2/NDF : 576539.2/22

Left: 499.065+/-0.060 χ^2/NDF : 1310870.7/47

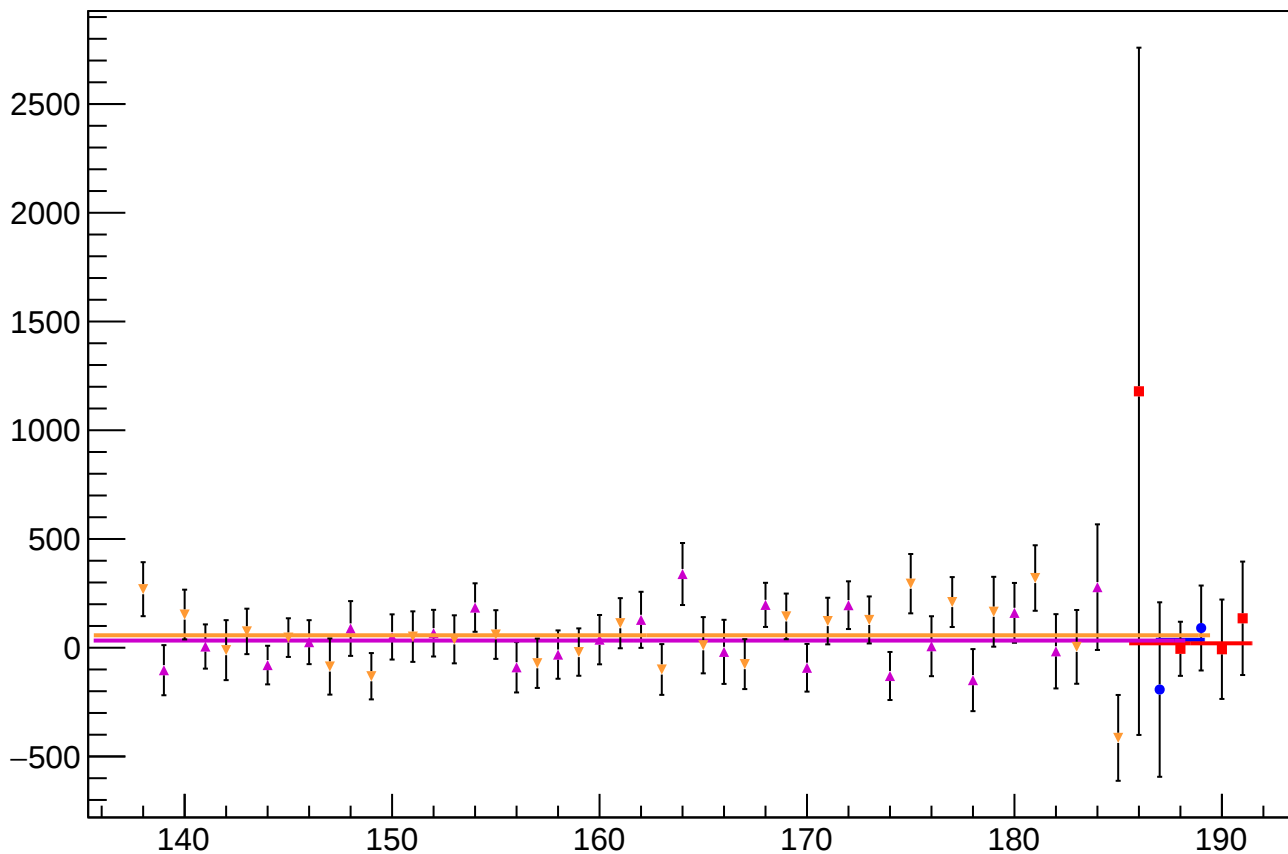
Right: 715.484+/-0.131 χ^2/NDF : 2437197.5/41

In: 534.461+/-0.078 χ^2/NDF : 2485208.9/41

Out: 537.478+/-0.075 χ^2/NDF : 3513002.4/47

All: 536.029+/-0.054 χ^2/NDF : 5998982.1/89

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 36.446 $\pm$ 175.597 χ^2 /NDF: 0.4/1

Left Out: 57.211 $\pm$ 23.714 χ^2 /NDF:29.2/24

Right Out: 20.290 $\pm$ 100.588 χ^2 /NDF: 0.8/3

Left In: 32.948 $\pm$ 24.587 χ^2 /NDF:23.6/22

Left: 45.518 $\pm$ 17.069 χ^2 /NDF: 53.3/47

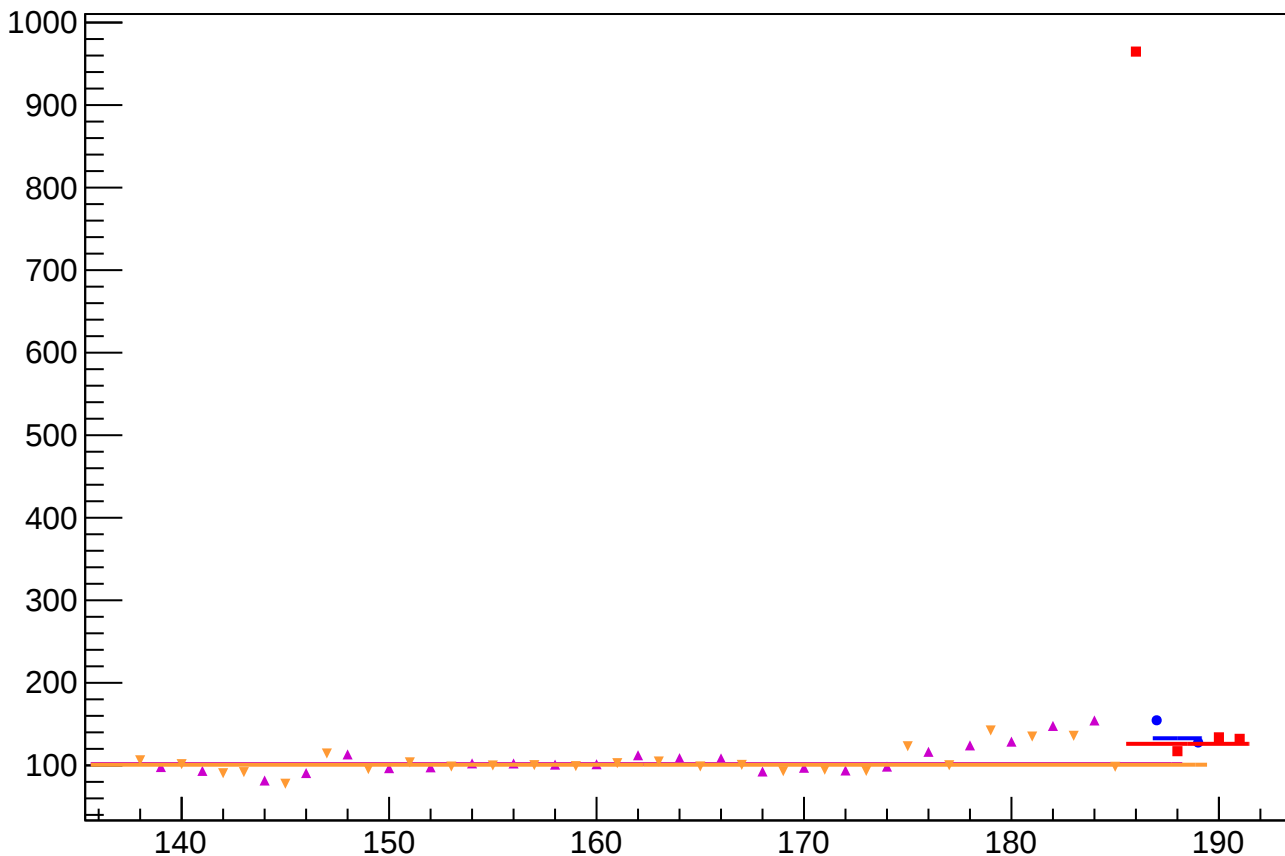
Right: 24.281 $\pm$ 87.282 χ^2 /NDF: 1.2/5

In: 33.015 $\pm$ 24.350 χ^2 /NDF:24.0/24

Out: 55.267 $\pm$ 23.081 χ^2 /NDF:30.1/28

All: 44.736 $\pm$ 16.751 χ^2 /NDF: 54.6/53

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 132.832 $\pm$ 0.124 χ^2 /NDF: 7297.0/1

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF:600502.4/24

Right Out: 126.098 $\pm$ 0.071 χ^2 /NDF: 577122.0/3

Left In: 101.622 $\pm$ 0.017 χ^2 /NDF:582329.3/22

Left: 101.196 $\pm$ 0.012 χ^2 /NDF: 1183987.6/47

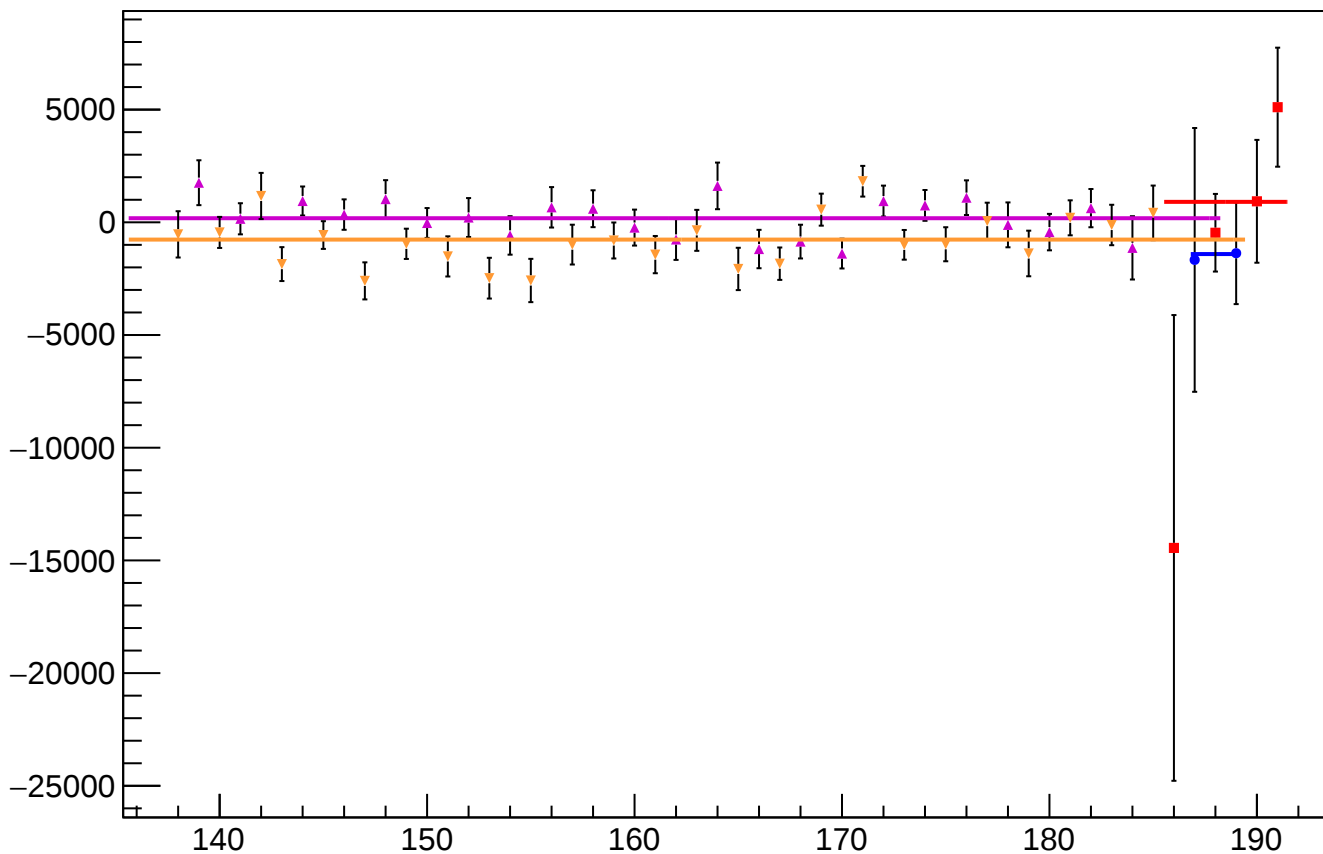
Right: 127.762 $\pm$ 0.062 χ^2 /NDF: 586633.7/5

In: 102.222 $\pm$ 0.017 χ^2 /NDF:651593.3/24

Out: 102.132 $\pm$ 0.016 χ^2 /NDF:1297464.0/28

All: 102.175 $\pm$ 0.012 χ^2 /NDF: 1949071.5/53

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: -1408.497 $\pm$ 2107.598 χ^2 /NDF: 0.0/1

Left Out: -766.358 $\pm$ 161.066 χ^2 /NDF:46.5/24

Right Out: 907.395 $\pm$ 1265.393 χ^2 /NDF: 5.4/3

Left In: 181.584 $\pm$ 165.671 χ^2 /NDF:25.0/22

Left: -305.743 $\pm$ 115.485 χ^2 /NDF: 88.4/47

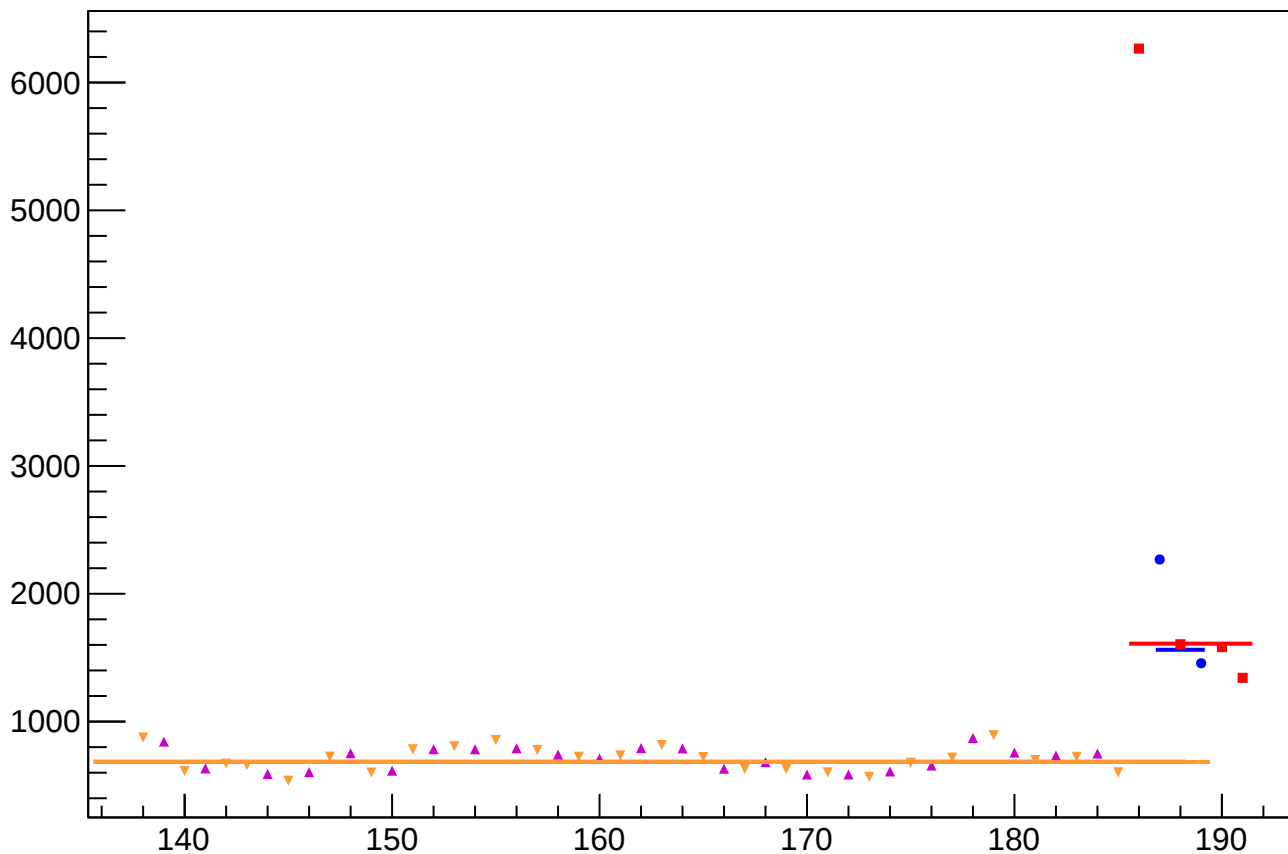
Right: 293.770 $\pm$ 1084.876 χ^2 /NDF: 6.3/5

In: 171.819 $\pm$ 165.161 χ^2 /NDF:25.6/24

Out: -739.673 $\pm$ 159.777 χ^2 /NDF:53.6/28

All: -299.026 $\pm$ 114.836 χ^2 /NDF: 94.9/53

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 1561.751+/-1.490 χ^2/NDF : 33460.3/1

Left Out: 683.884+/-0.114 χ^2/NDF : 667158.2/24

Right Out: 1609.736+/-0.895 χ^2/NDF : 426853.4/3

Left In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

Left: 684.715+/-0.082 χ^2/NDF : 1196621.1/47

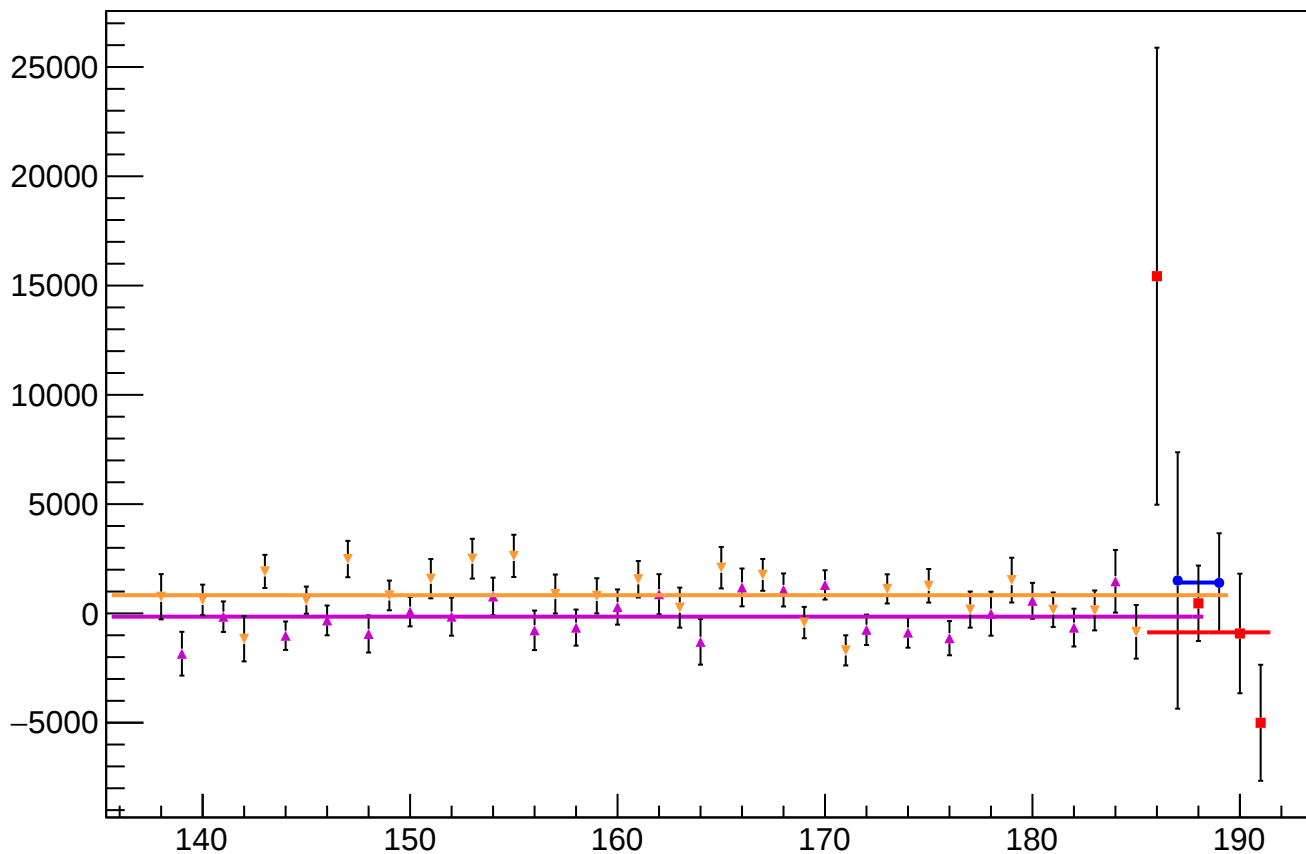
Right: 1597.022+/-0.767 χ^2/NDF : 461075.7/5

In: 690.973+/-0.117 χ^2/NDF : 906328.0/24

Out: 698.646+/-0.113 χ^2/NDF : 2147626.5/28

All: 694.936+/-0.081 χ^2/NDF : 3056183.9/53

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 1412.450+/-2115.695 χ^2/NDF : 0.0/1

Left Out: 833.395+/-162.965 χ^2/NDF : 43.2/24

Right Out: -867.007+/-1270.130 χ^2/NDF : 5.5/3

Left In: -148.814+/-167.644 χ^2/NDF : 26.0/22

Left: 356.189+/-116.853 χ^2/NDF : 86.9/47

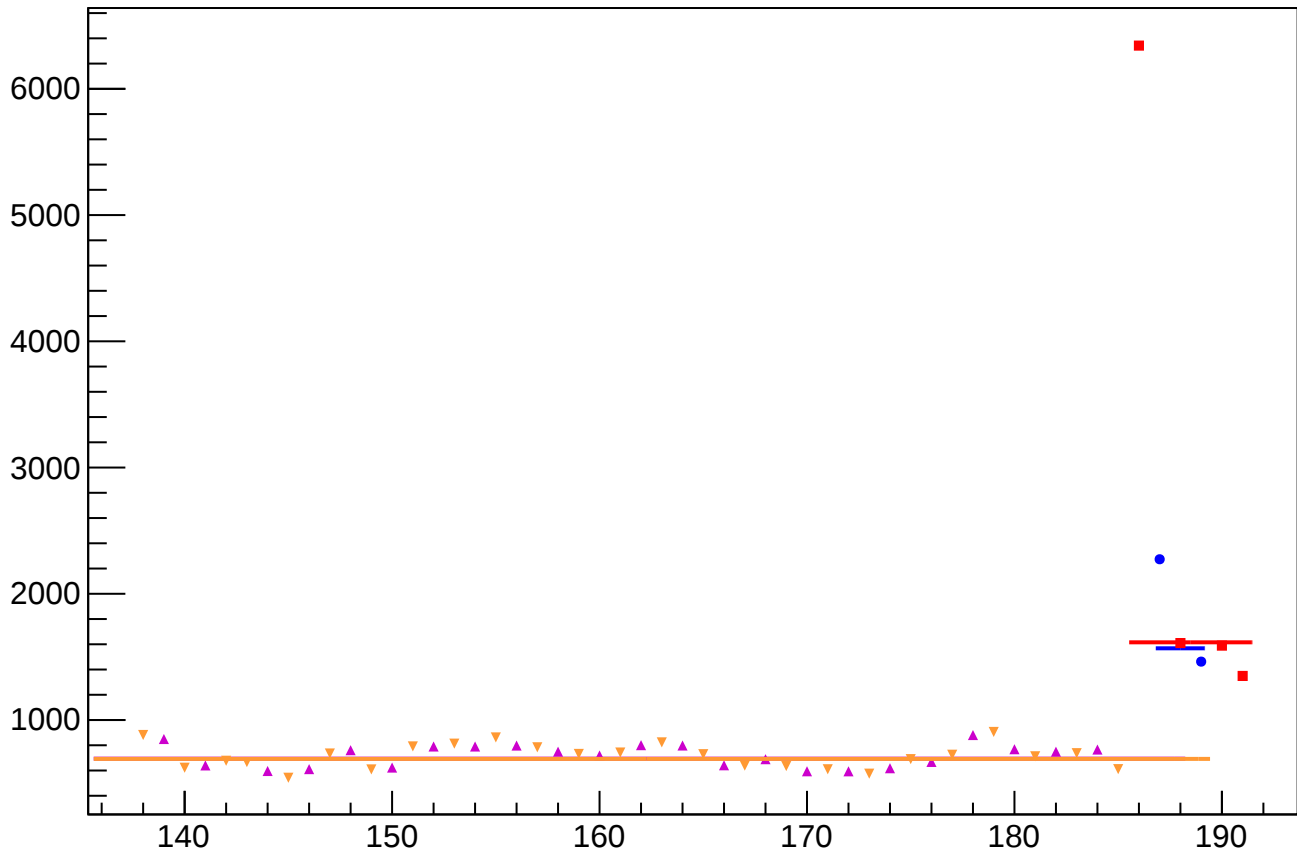
Right: -263.123+/-1088.965 χ^2/NDF : 6.3/5

In: -139.072+/-167.120 χ^2/NDF : 26.6/24

Out: 805.855+/-161.640 χ^2/NDF : 50.4/28

All: 349.139+/-116.186 χ^2/NDF : 93.5/53

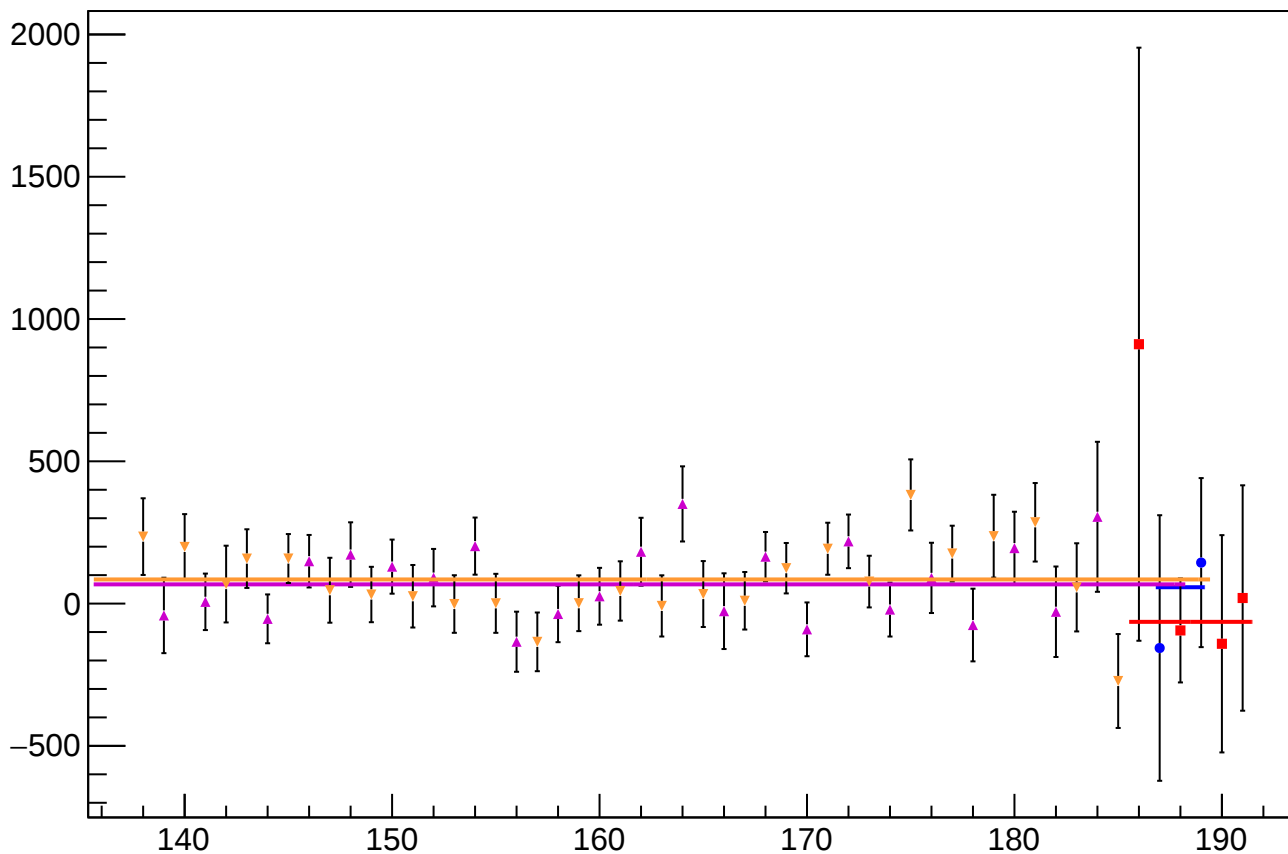
asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 1568.075+/-1.496 χ^2/NDF : 33242.5/1
 Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24
 Right Out: 1615.482+/-0.898 χ^2/NDF : 429128.4/3
 Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

Left: 692.957+/-0.083 χ^2/NDF : 1179427.7/47
 Right: 1602.923+/-0.770 χ^2/NDF : 463109.0/5
 In: 699.322+/-0.118 χ^2/NDF : 894636.1/24
 Out: 707.052+/-0.114 χ^2/NDF : 2126328.0/28
 All: 703.316+/-0.082 χ^2/NDF : 3023174.8/53

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 57.476 $\pm$ 250.583 χ^2 /NDF: 0.3/1

Left Out: 84.860 $\pm$ 21.643 χ^2 /NDF:28.5/24

Right Out: -64.156 $\pm$ 150.591 χ^2 /NDF: 1.0/3

Left In: 67.552 $\pm$ 22.449 χ^2 /NDF:28.9/22

Left: 76.522 $\pm$ 15.581 χ^2 /NDF: 57.7/47

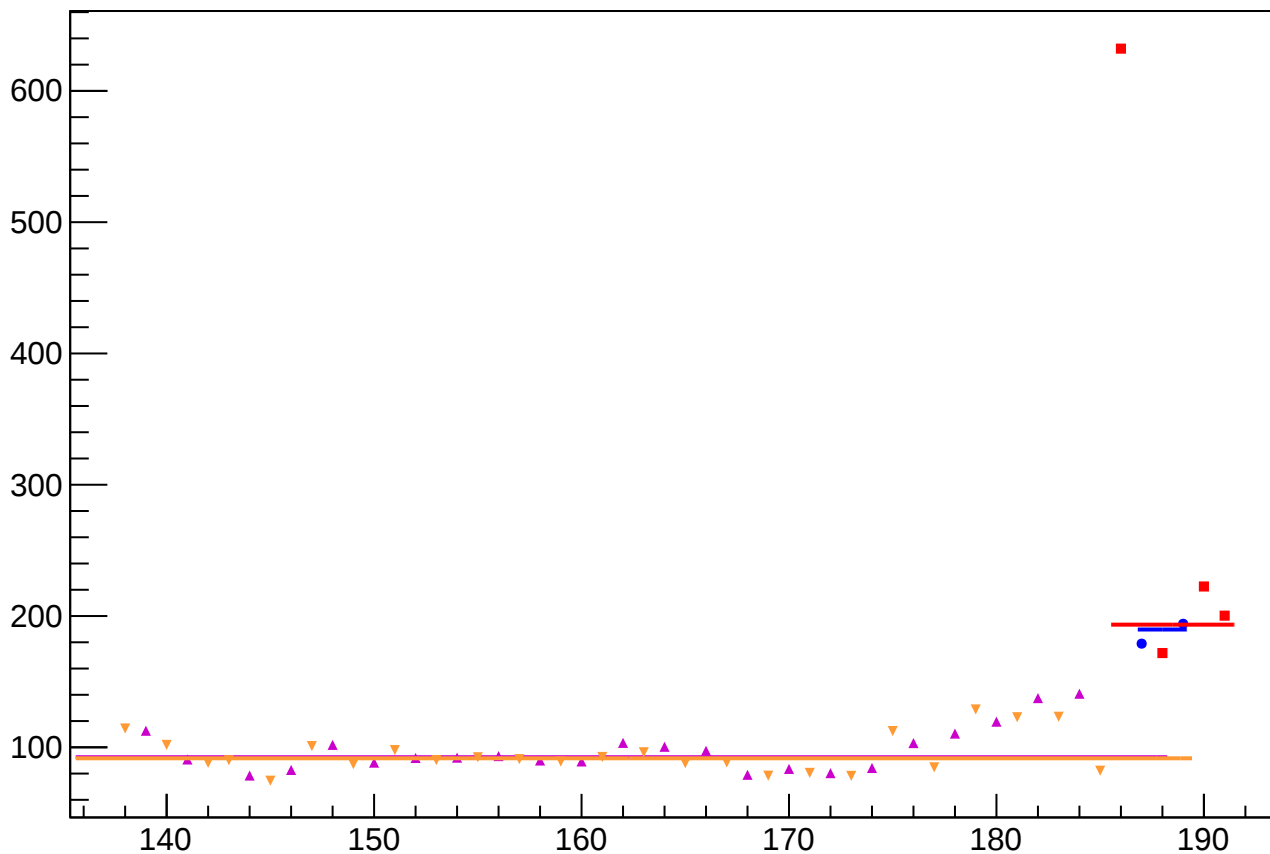
Right: -31.884 $\pm$ 129.076 χ^2 /NDF: 1.5/5

In: 67.472 $\pm$ 22.360 χ^2 /NDF:29.1/24

Out: 81.844 $\pm$ 21.423 χ^2 /NDF:30.4/28

All: 74.965 $\pm$ 15.469 χ^2 /NDF: 59.8/53

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 189.729 $\pm$ 0.177 χ^2/NDF : 1496.1/1

Left Out: 91.633 $\pm$ 0.015 χ^2/NDF : 693122.0/24

Right Out: 193.422 $\pm$ 0.106 χ^2/NDF : 394754.3/3

Left In: 92.466 $\pm$ 0.016 χ^2/NDF : 655700.4/22

Left: 92.034 $\pm$ 0.011 χ^2/NDF : 1350250.3/47

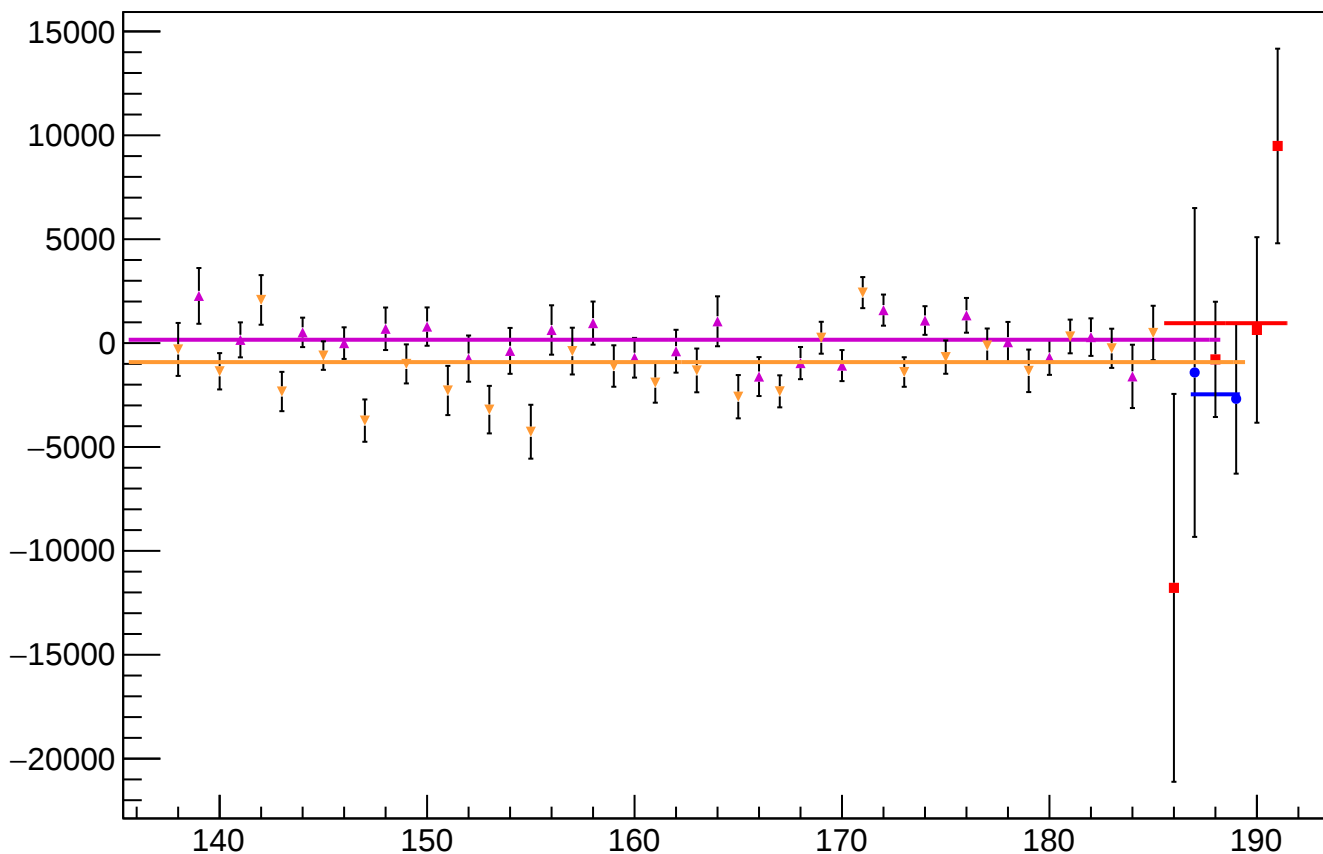
Right: 192.442 $\pm$ 0.091 χ^2/NDF : 396569.5/5

In: 93.240 $\pm$ 0.016 χ^2/NDF : 956113.5/24

Out: 93.693 $\pm$ 0.015 χ^2/NDF : 1983145.6/28

All: 93.476 $\pm$ 0.011 χ^2/NDF : 2939685.8/53

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: -2465.447 $\pm$ 3277.219 χ^2 /NDF: 0.0/1

Left Out: -914.719 $\pm$ 185.341 χ^2 /NDF:64.2/24

Right Out: 958.141 $\pm$ 2053.394 χ^2 /NDF: 5.6/3

Left In: 161.076 $\pm$ 189.491 χ^2 /NDF:25.1/22

Left: -388.730 $\pm$ 132.499 χ^2 /NDF: 105.7/47

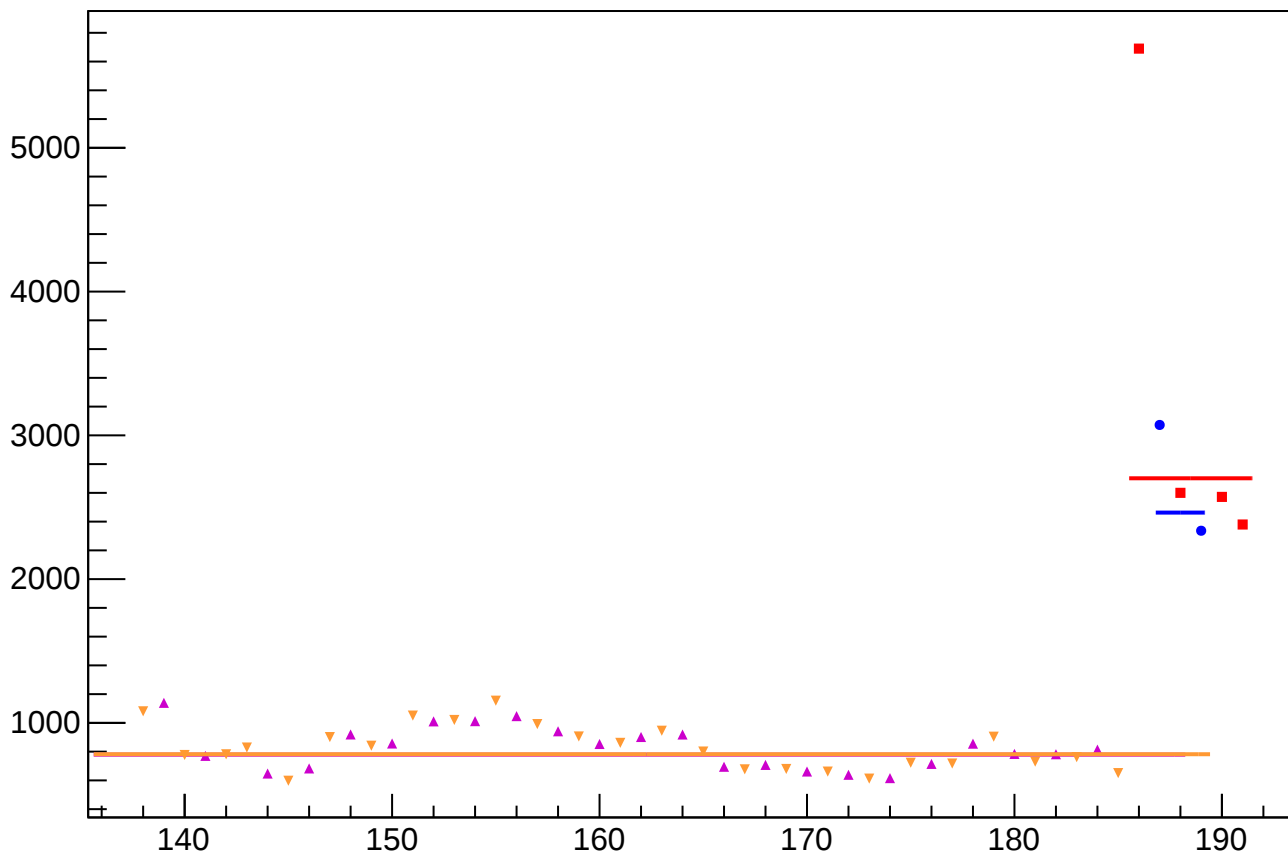
Right: -7.006 $\pm$ 1740.049 χ^2 /NDF: 6.4/5

In: 152.325 $\pm$ 189.175 χ^2 /NDF:25.7/24

Out: -899.584 $\pm$ 184.590 χ^2 /NDF:70.6/28

All: -386.530 $\pm$ 132.116 χ^2 /NDF: 112.2/53

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 2462.759 $\pm$ 2.317 χ^2 /NDF: 14329.0/1

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2701.398 $\pm$ 1.452 χ^2 /NDF: 218803.7/3

Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

Left: 780.552 $\pm$ 0.094 χ^2 /NDF: 2111492.1/47

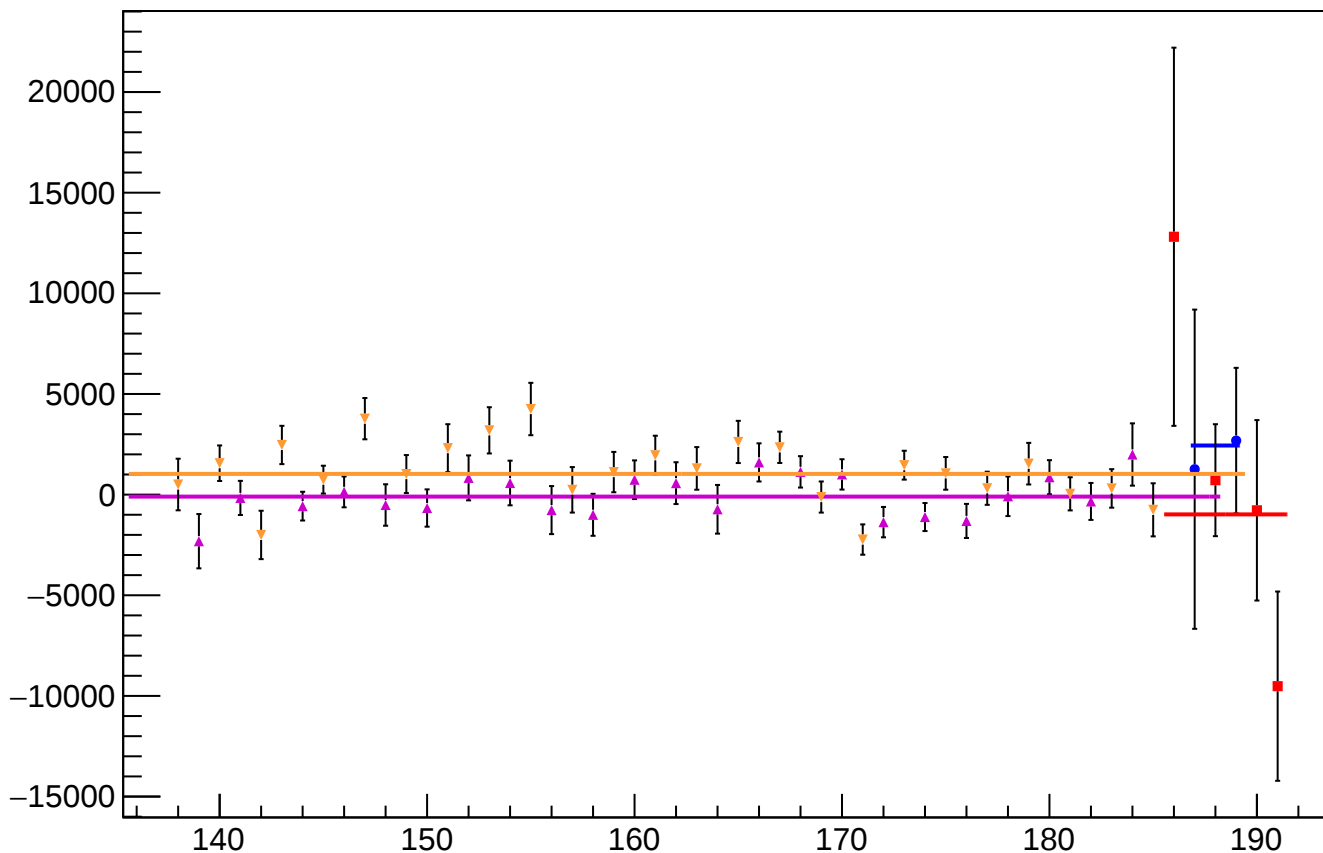
Right: 2634.123 $\pm$ 1.230 χ^2 /NDF: 240747.9/5

In: 784.605 $\pm$ 0.134 χ^2 /NDF: 1520749.9/24

Out: 797.552 $\pm$ 0.131 χ^2 /NDF: 3083085.0/28

All: 791.238 $\pm$ 0.093 χ^2 /NDF: 4608634.1/53

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 2439.763 $\pm$ 3288.332 χ^2 /NDF: 0.0/1

Left Out: 1028.864 $\pm$ 186.810 χ^2 /NDF:60.2/24

Right Out: -982.041 $\pm$ 2059.959 χ^2 /NDF: 5.8/3

Left In: -98.691 $\pm$ 191.027 χ^2 /NDF:25.4/22

Left: 477.669 $\pm$ 133.561 χ^2 /NDF: 103.3/47

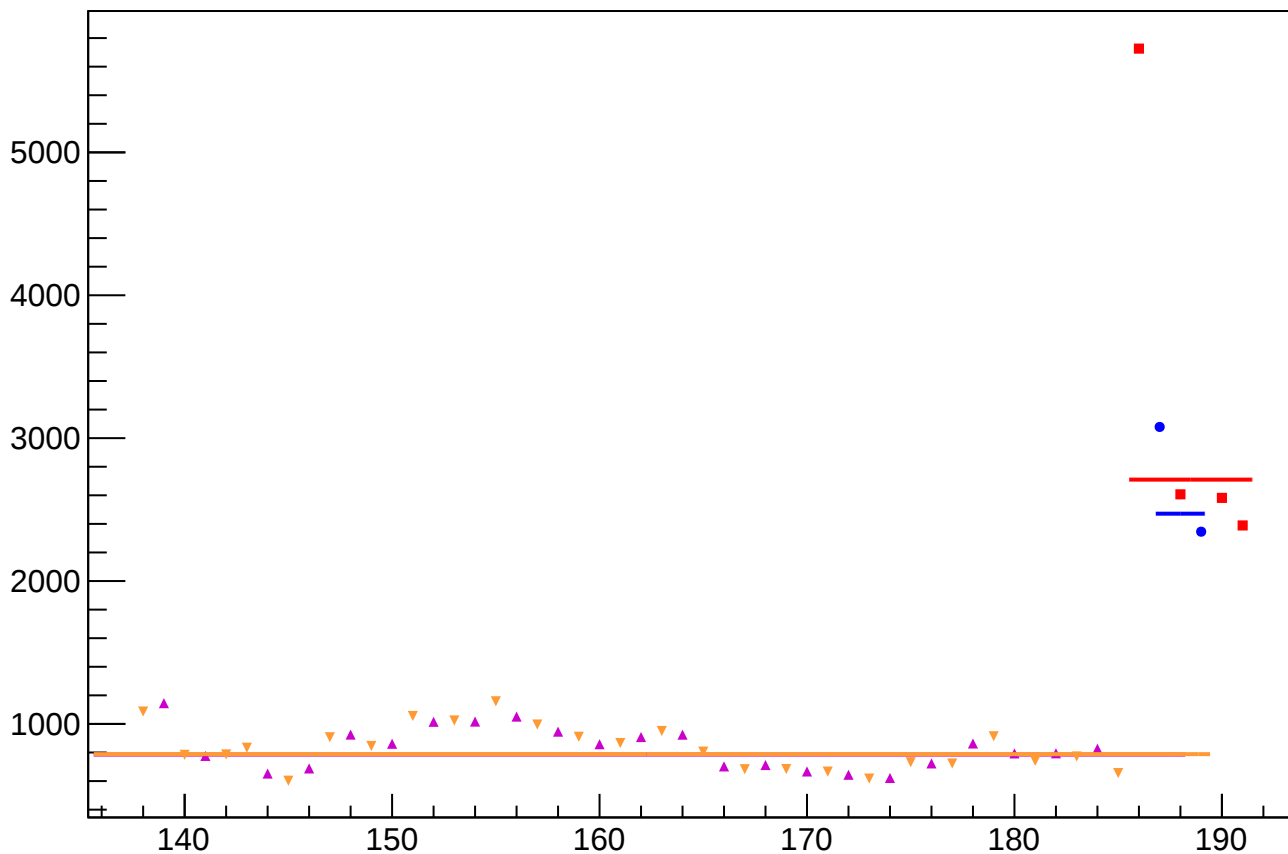
Right: -17.665 $\pm$ 1745.707 χ^2 /NDF: 6.6/5

In: -90.153 $\pm$ 190.705 χ^2 /NDF:26.0/24

Out: 1012.461 $\pm$ 186.047 χ^2 /NDF:66.9/28

All: 474.786 $\pm$ 133.171 χ^2 /NDF: 110.1/53

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 2471.451+/-2.325 χ^2/NDF : 14155.6/1

Left Out: 788.442+/-0.132 χ^2/NDF : 1113741.6/24

Right Out: 2709.796+/-1.457 χ^2/NDF : 219895.6/3

Left In: 785.490+/-0.135 χ^2/NDF : 965338.9/22

Left: 786.999+/-0.094 χ^2/NDF : 2079324.6/47

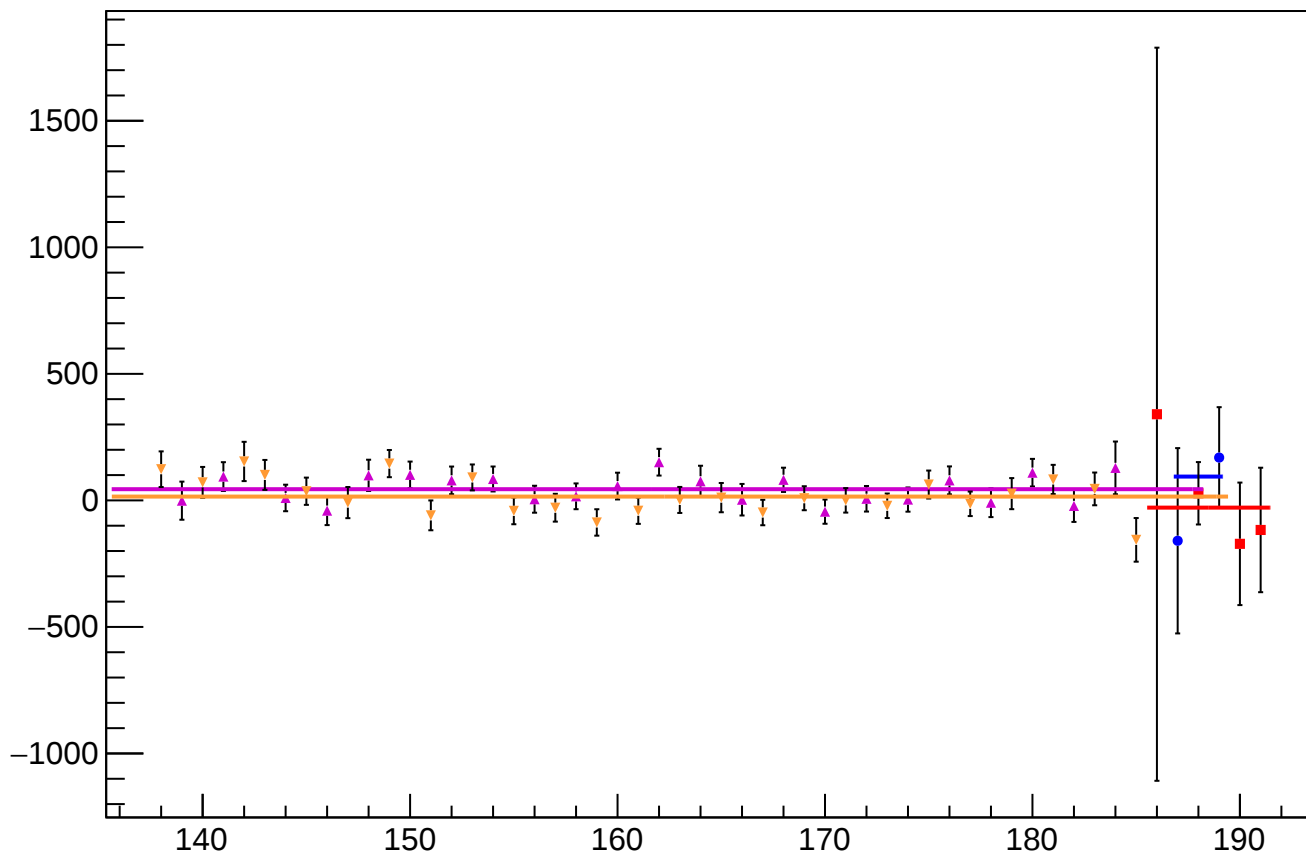
Right: 2642.622+/-1.234 χ^2/NDF : 241597.2/5

In: 791.161+/-0.135 χ^2/NDF : 1503469.0/24

Out: 804.114+/-0.132 χ^2/NDF : 3059357.3/28

All: 797.798+/-0.094 χ^2/NDF : 4567553.9/53

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 94.130 $\pm$ 174.959 χ^2 /NDF: 0.6/1

Left Out: 15.099 $\pm$ 11.154 χ^2 /NDF:34.2/24

Right Out: -28.538 $\pm$ 100.074 χ^2 /NDF: 0.8/3

Left In: 44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

Left: 29.215 $\pm$ 8.017 χ^2 /NDF: 59.8/47

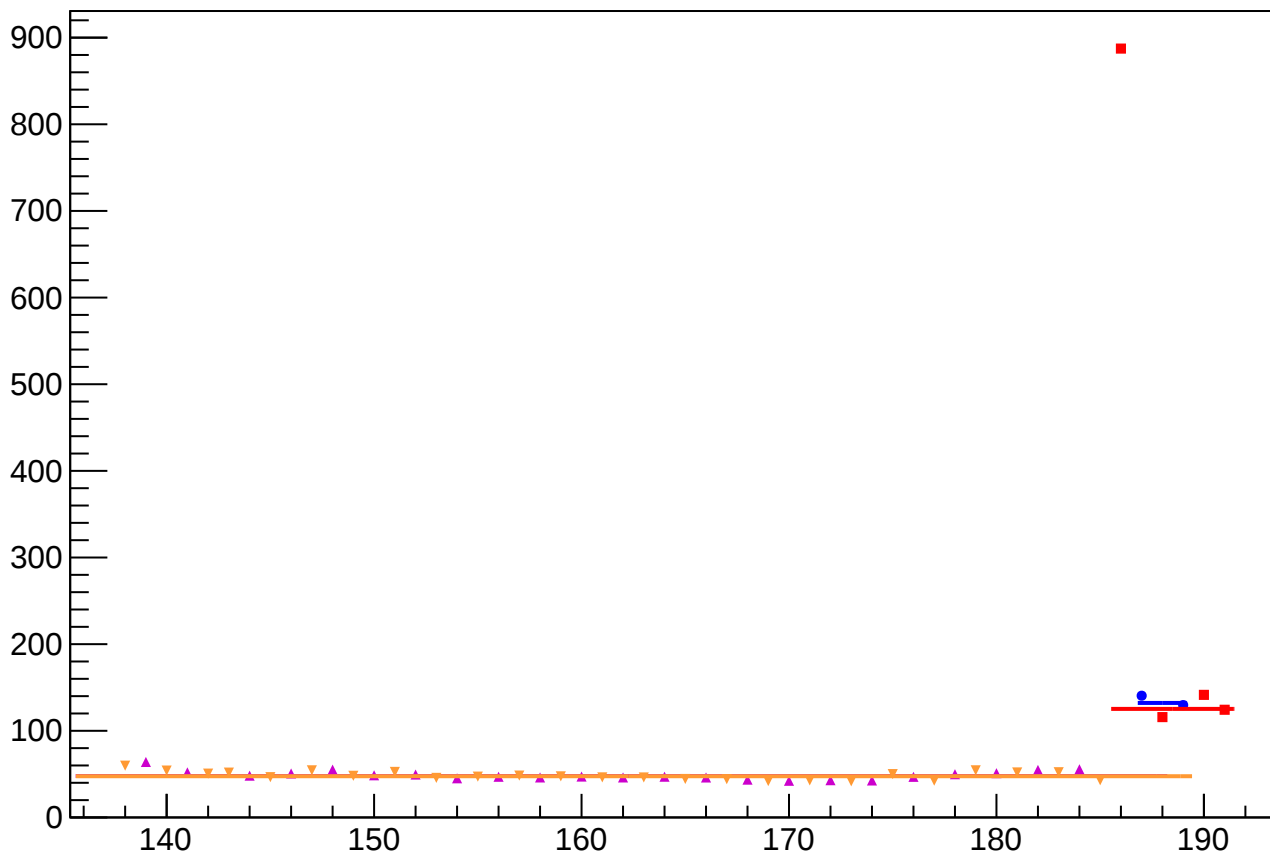
Right: 1.702 $\pm$ 86.868 χ^2 /NDF: 1.7/5

In: 44.513 $\pm$ 11.505 χ^2 /NDF:23.0/24

Out: 14.564 $\pm$ 11.086 χ^2 /NDF:35.1/28

All: 28.983 $\pm$ 7.983 χ^2 /NDF: 61.6/53

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 132.164 $\pm$ 0.124 χ^2 /NDF: 1348.3/1

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF:312874.8/24

Right Out: 125.290 $\pm$ 0.071 χ^2 /NDF: 574424.6/3

Left In: 47.846 $\pm$ 0.008 χ^2 /NDF:281790.1/22

Left: 47.712 $\pm$ 0.006 χ^2 /NDF: 595189.7/47

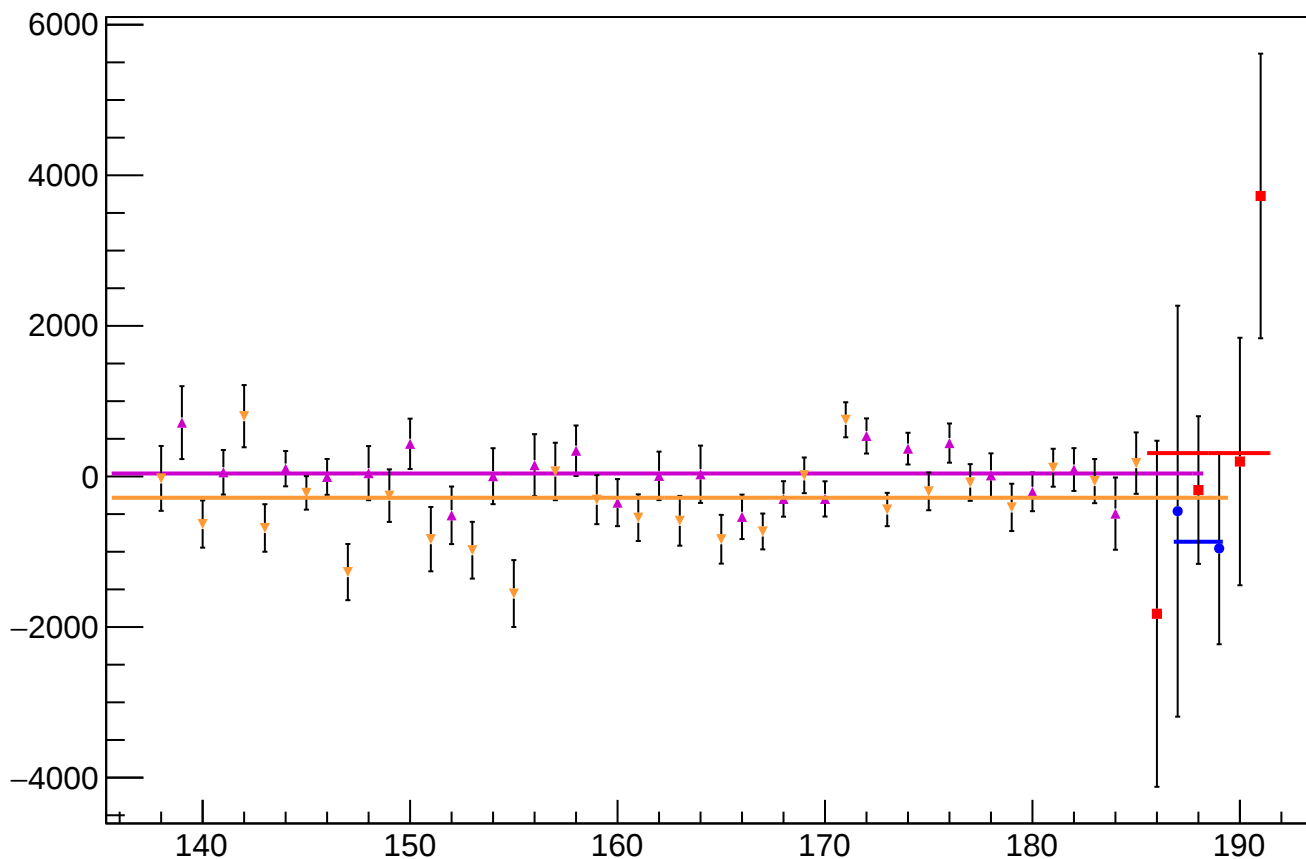
Right: 126.984 $\pm$ 0.061 χ^2 /NDF: 578099.3/5

In: 48.211 $\pm$ 0.008 χ^2 /NDF:745642.6/24

Out: 48.540 $\pm$ 0.008 χ^2 /NDF:2078284.6/28

All: 48.381 $\pm$ 0.006 χ^2 /NDF: 2824775.6/53

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: -867.113+/-1153.869 χ^2/NDF : 0.0/1

Left Out: -282.798+/-59.690 χ^2/NDF : 66.5/24

Right Out: 310.157+/-729.433 χ^2/NDF : 4.4/3

Left In: 39.432+/-60.759 χ^2/NDF : 27.5/22

Left: -124.543+/-42.580 χ^2/NDF : 108.4/47

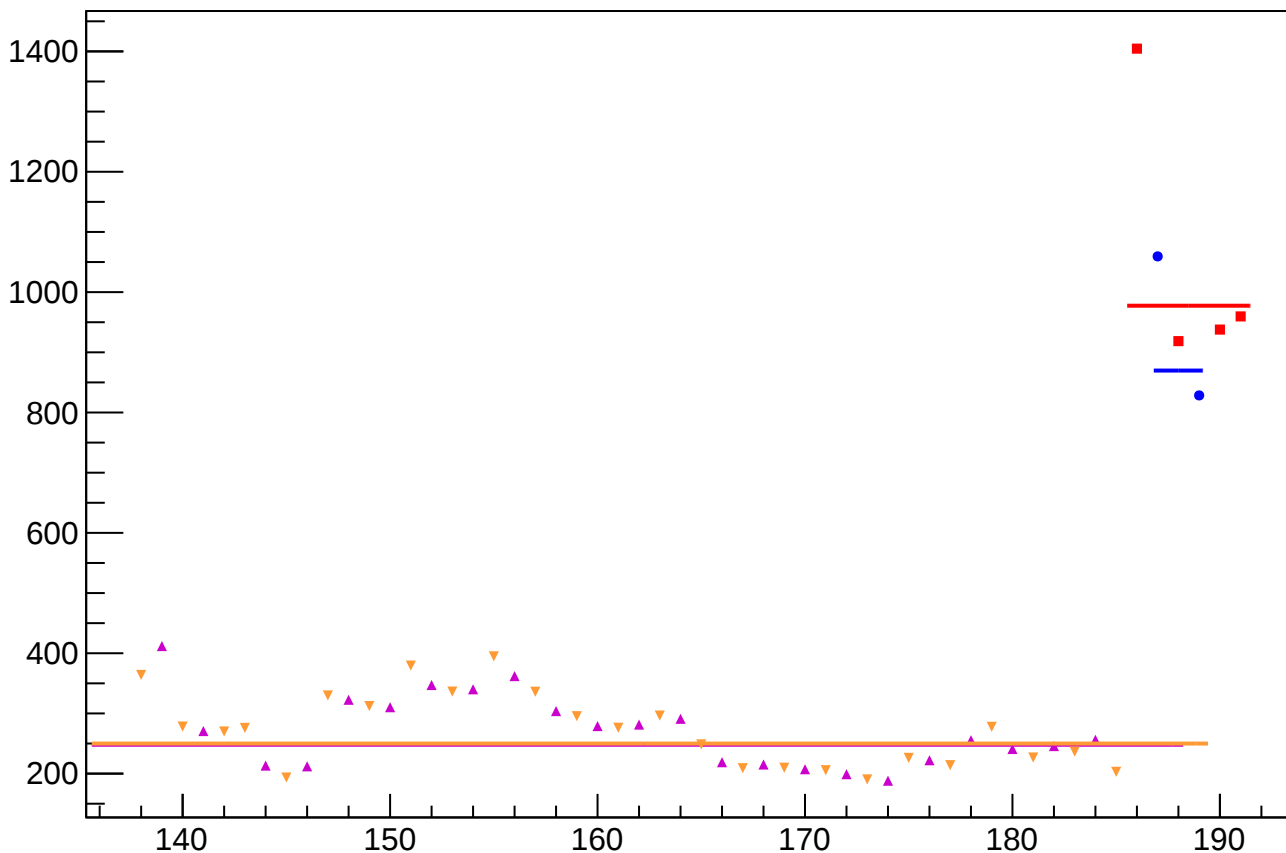
Right: -25.983+/-616.565 χ^2/NDF : 5.2/5

In: 36.925+/-60.675 χ^2/NDF : 28.2/24

Out: -278.854+/-59.491 χ^2/NDF : 71.6/28

All: -124.075+/-42.479 χ^2/NDF : 113.6/53

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 869.689+/-0.816 χ^2/NDF : 11766.9/1

Left Out: 249.956+/-0.042 χ^2/NDF :1614205.9/24

Right Out: 977.443+/-0.516 χ^2/NDF : 77624.0/3

Left In: 247.917+/-0.043 χ^2/NDF :1410847.5/22

Left: 248.955+/-0.030 χ^2/NDF : 3026200.1/47

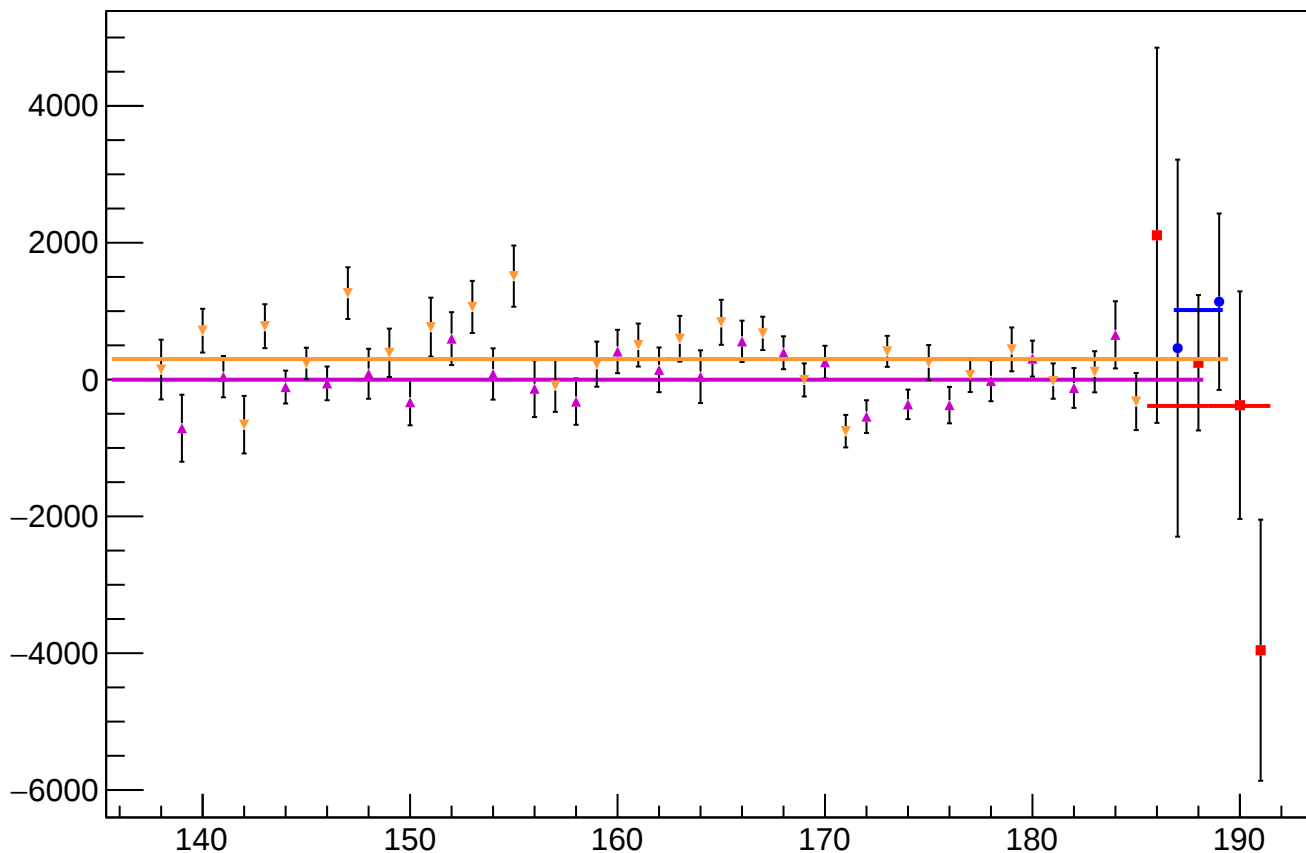
Right: 946.677+/-0.436 χ^2/NDF : 101852.3/5

In: 249.636+/-0.043 χ^2/NDF :2001745.4/24

Out: 254.795+/-0.042 χ^2/NDF :3667936.3/28

All: 252.267+/-0.030 χ^2/NDF : 5677054.6/53

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 1016.027 $\pm$ 1167.997 χ^2 /NDF: 0.0/1

Left Out: 299.562 $\pm$ 60.860 χ^2 /NDF:62.5/24

Right Out: -385.581 $\pm$ 747.311 χ^2 /NDF: 4.7/3

Left In: -2.185 $\pm$ 62.005 χ^2 /NDF:29.2/22

Left: 151.501 $\pm$ 43.433 χ^2 /NDF: 103.7/47

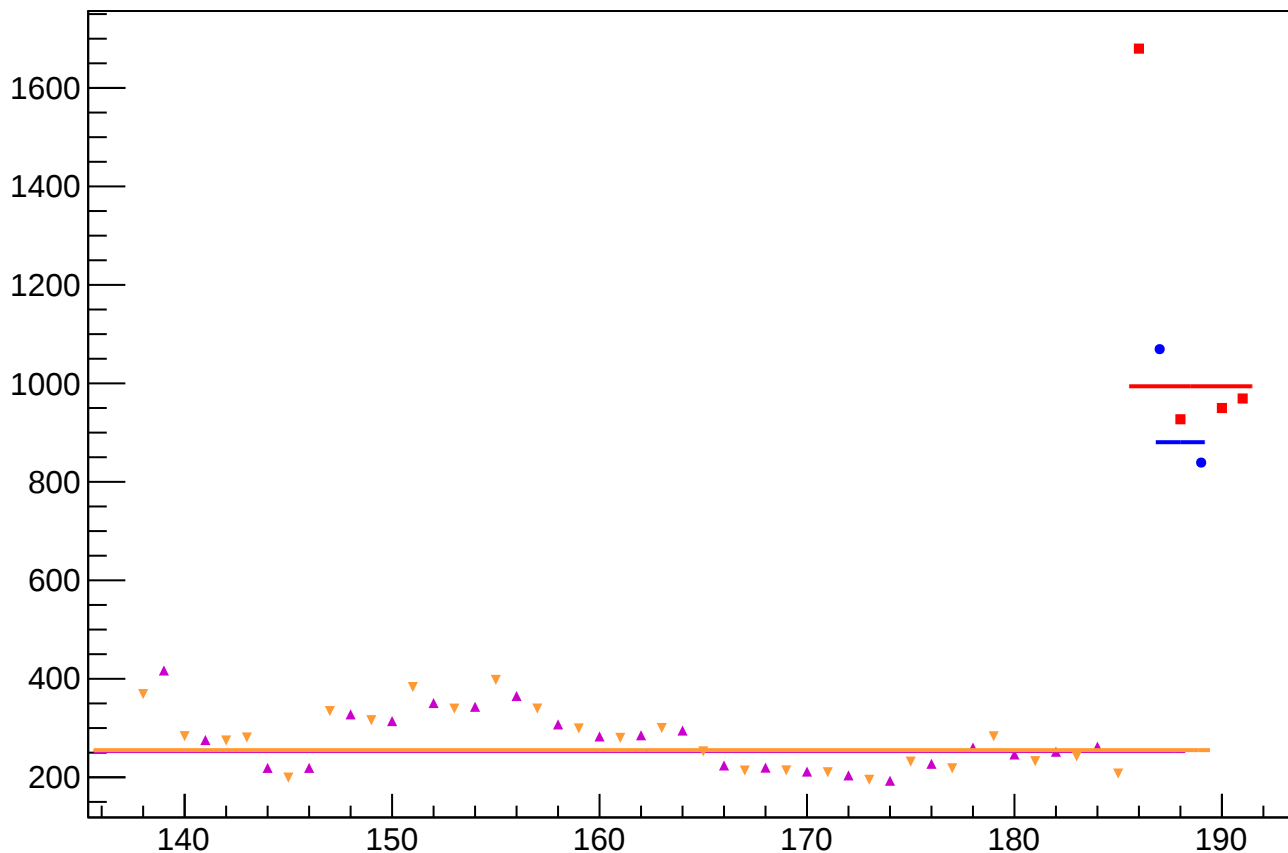
Right: 21.536 $\pm$ 629.489 χ^2 /NDF: 5.8/5

In: 0.676 $\pm$ 61.918 χ^2 /NDF:30.0/24

Out: 295.048 $\pm$ 60.659 χ^2 /NDF:68.0/28

All: 150.885 $\pm$ 43.330 χ^2 /NDF: 109.6/53

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 880.517+/-0.826 χ^2/NDF : 11468.6/1

Left Out: 255.135+/-0.043 χ^2/NDF : 1542039.5/24

Right Out: 994.075+/-0.528 χ^2/NDF : 135969.0/3

Left In: 253.287+/-0.044 χ^2/NDF : 1341662.3/22

Left: 254.229+/-0.031 χ^2/NDF : 2884606.5/47

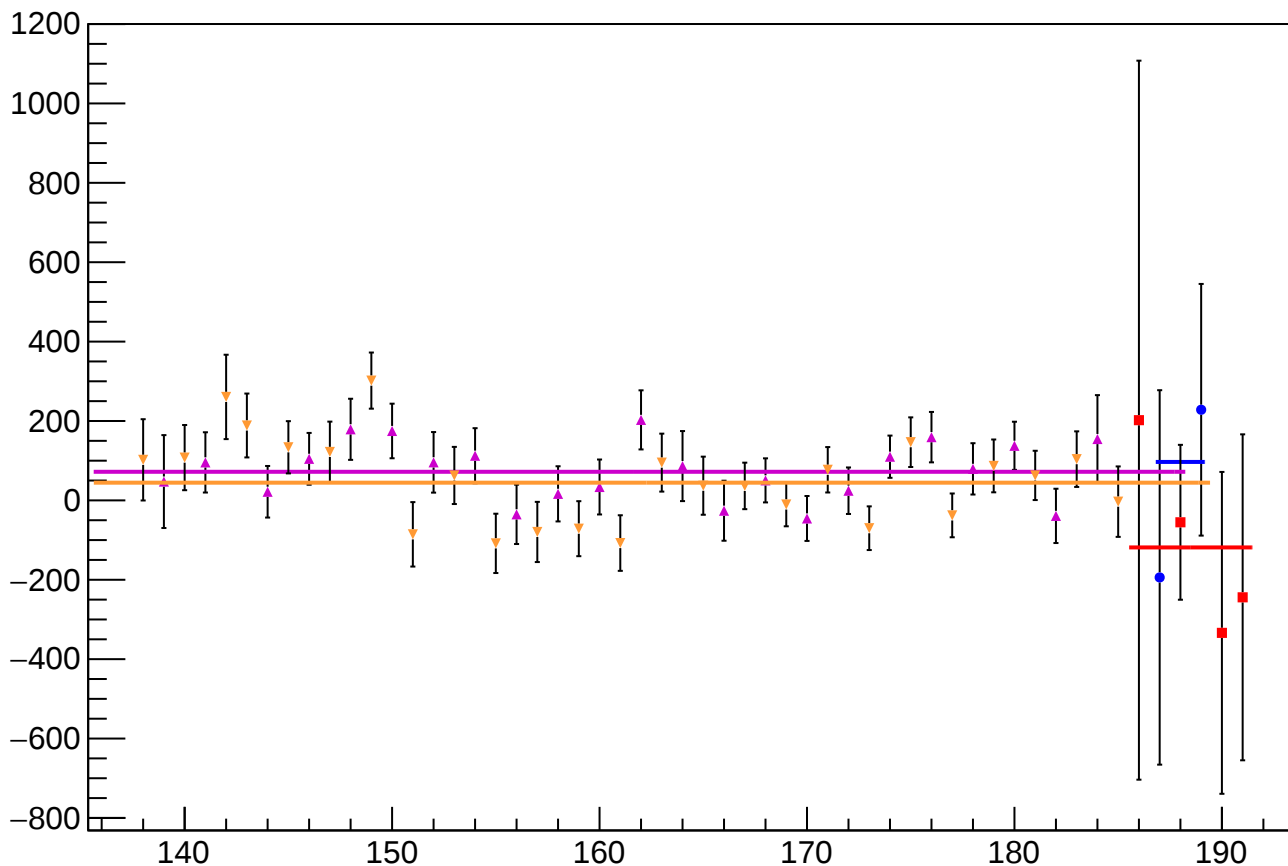
Right: 961.090+/-0.445 χ^2/NDF : 160851.4/5

In: 255.050+/-0.044 χ^2/NDF : 1928275.8/24

Out: 260.004+/-0.043 χ^2/NDF : 3620567.3/28

All: 257.578+/-0.031 χ^2/NDF : 5555375.5/53

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 96.858+/-263.099 χ^2/NDF : 0.6/1

Left Out: 44.602+/-13.824 χ^2/NDF : 53.9/24

Right Out: -118.514+/-159.095 χ^2/NDF : 0.6/3

Left In: 72.037+/-14.296 χ^2/NDF : 25.3/22

Left: 57.859+/-9.938 χ^2/NDF : 81.1/47

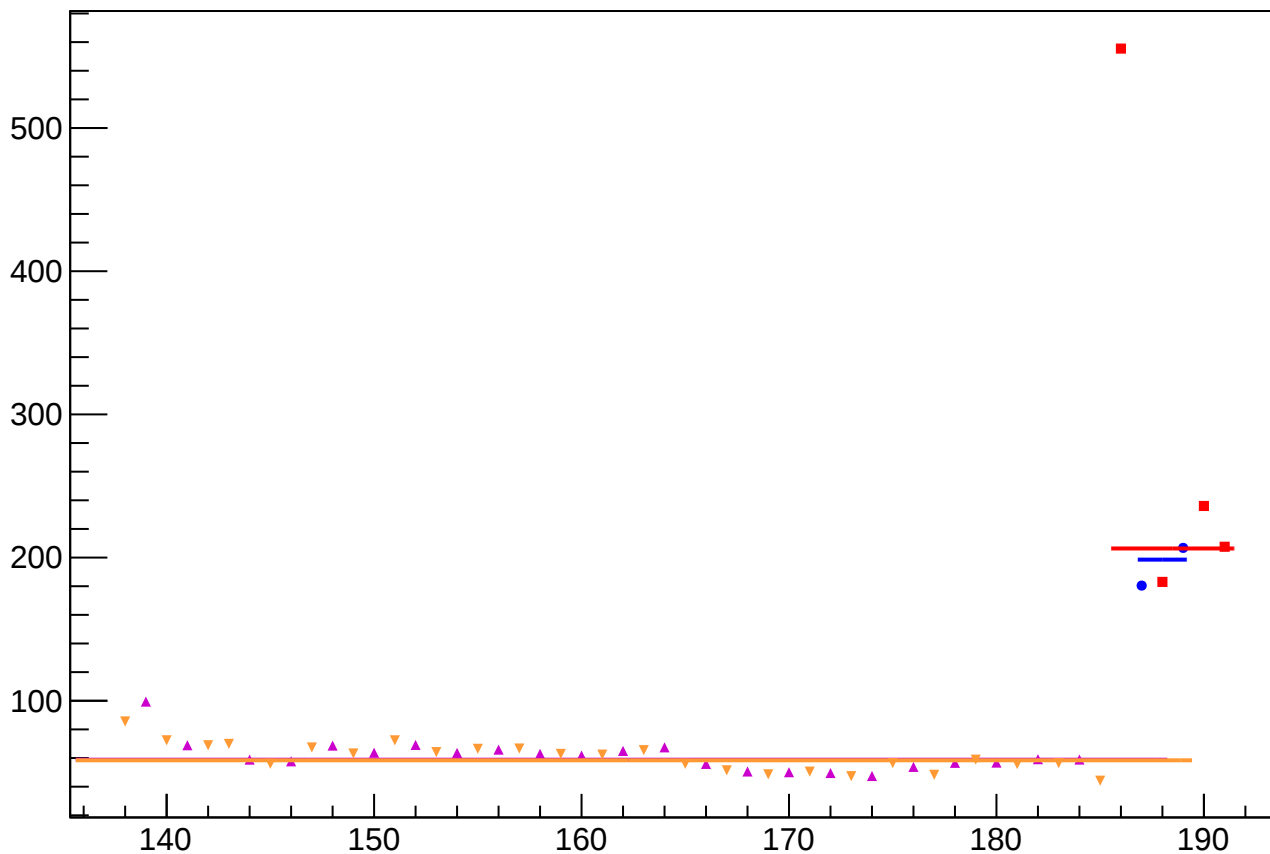
Right: -60.848+/-136.140 χ^2/NDF : 1.6/5

In: 72.110+/-14.275 χ^2/NDF : 25.9/24

Out: 43.379+/-13.772 χ^2/NDF : 55.6/28

All: 57.230+/-9.912 χ^2/NDF : 83.5/53

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 198.575 $\pm$ 0.186 χ^2 /NDF: 4294.4/1

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 206.358 $\pm$ 0.112 χ^2 /NDF: 336574.9/3

Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

Left: 58.624 $\pm$ 0.007 χ^2 /NDF: 1470896.0/47

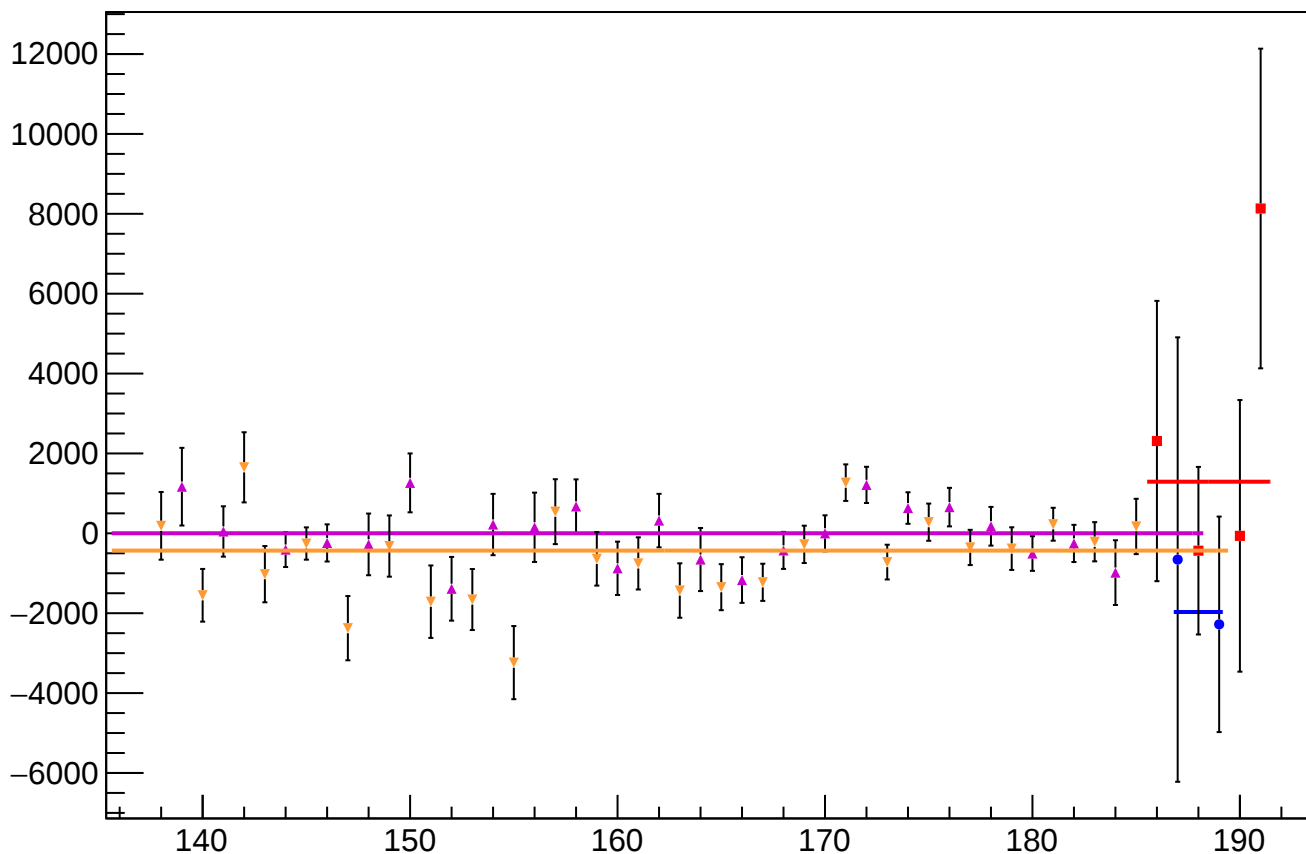
Right: 204.274 $\pm$ 0.096 χ^2 /NDF: 342150.8/5

In: 59.251 $\pm$ 0.010 χ^2 /NDF: 1246723.0/24

Out: 59.531 $\pm$ 0.010 χ^2 /NDF: 2842975.1/28

All: 59.396 $\pm$ 0.007 χ^2 /NDF: 4090097.5/53

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: -1969.950 ± 2427.505 $\chi^2/\text{NDF}: 0.1/1$

Left Out: -432.330 ± 114.408 $\chi^2/\text{NDF}: 59.4/24$

Right Out: 1292.597 ± 1478.655 $\chi^2/\text{NDF}: 3.8/3$

Left In: 1.825 ± 116.459 $\chi^2/\text{NDF}: 32.3/22$

Left: -219.109 ± 81.614 $\chi^2/\text{NDF}: 98.8/47$

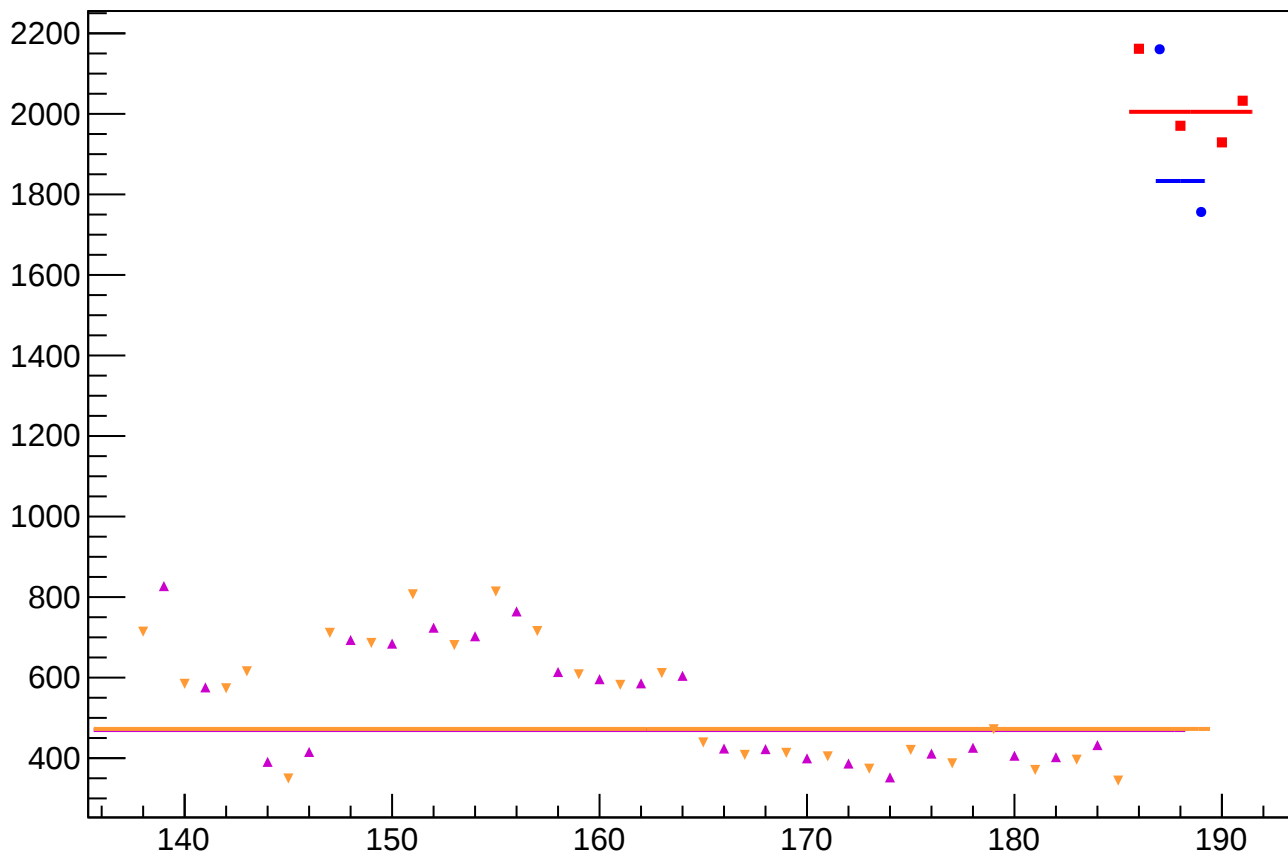
Right: 409.675 ± 1262.824 $\chi^2/\text{NDF}: 5.2/5$

In: -2.703 ± 116.325 $\chi^2/\text{NDF}: 33.0/24$

Out: -422.065 ± 114.067 $\chi^2/\text{NDF}: 64.6/28$

All: -216.493 ± 81.444 $\chi^2/\text{NDF}: 104.2/53$

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 1833.326+/-1.717 χ^2/NDF : 8540.4/1

Left Out: 472.569+/-0.081 χ^2/NDF :2508168.9/24

Right Out: 2005.120+/-1.046 χ^2/NDF : 5619.1/3

Left In: 469.761+/-0.082 χ^2/NDF :2116885.7/22

Left: 471.190+/-0.058 χ^2/NDF : 4625646.2/47

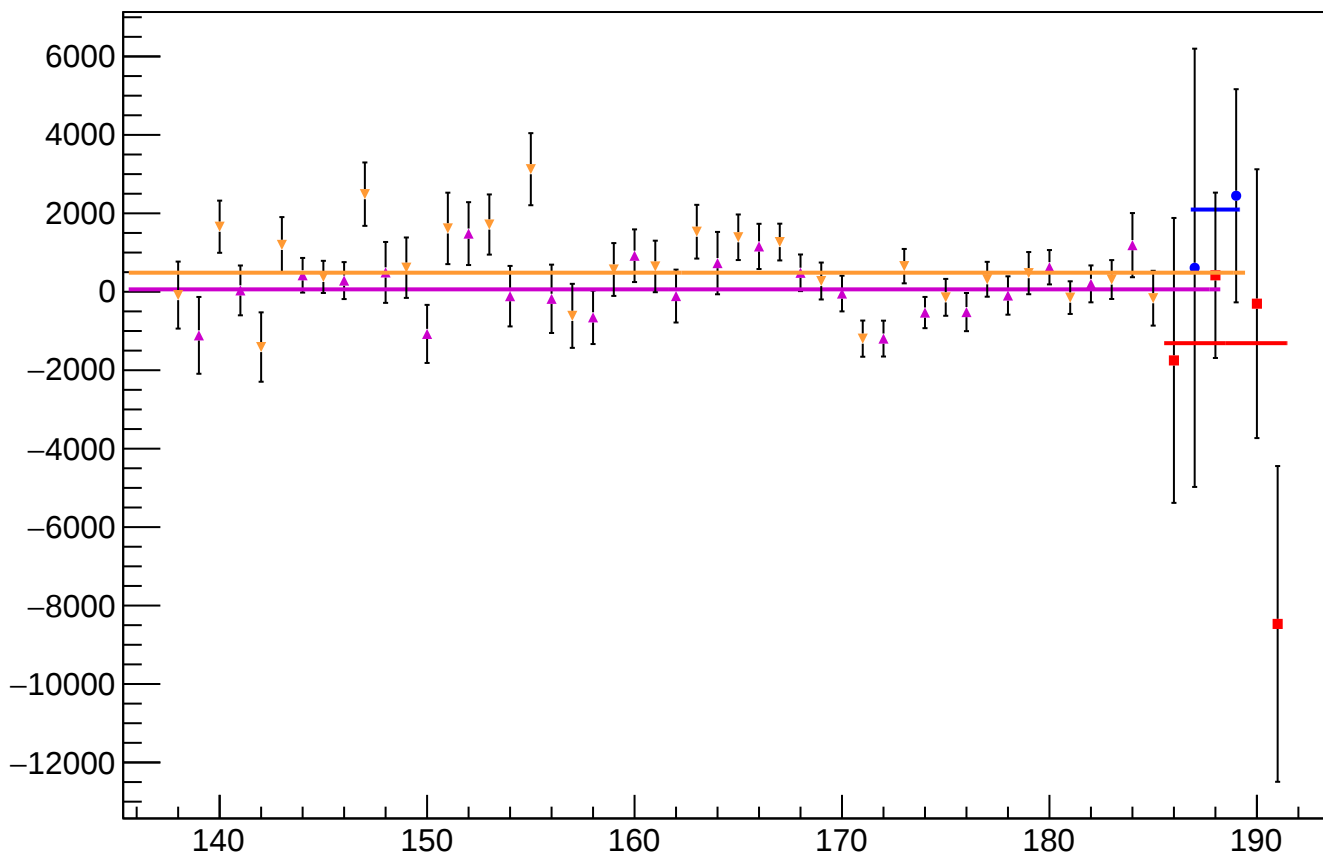
Right: 1958.629+/-0.893 χ^2/NDF : 21465.5/5

In: 472.892+/-0.082 χ^2/NDF :2755023.6/24

Out: 481.689+/-0.081 χ^2/NDF :4649456.9/28

All: 477.377+/-0.058 χ^2/NDF : 7410311.1/53

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 2096.604 $\pm$ 2443.685 χ^2 /NDF: 0.1/1

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF:56.0/24

Right Out: -1310.230 $\pm$ 1494.526 χ^2 /NDF: 3.9/3

Left In: 61.775 $\pm$ 117.449 χ^2 /NDF:31.2/22

Left: 278.047 $\pm$ 82.295 χ^2 /NDF: 93.8/47

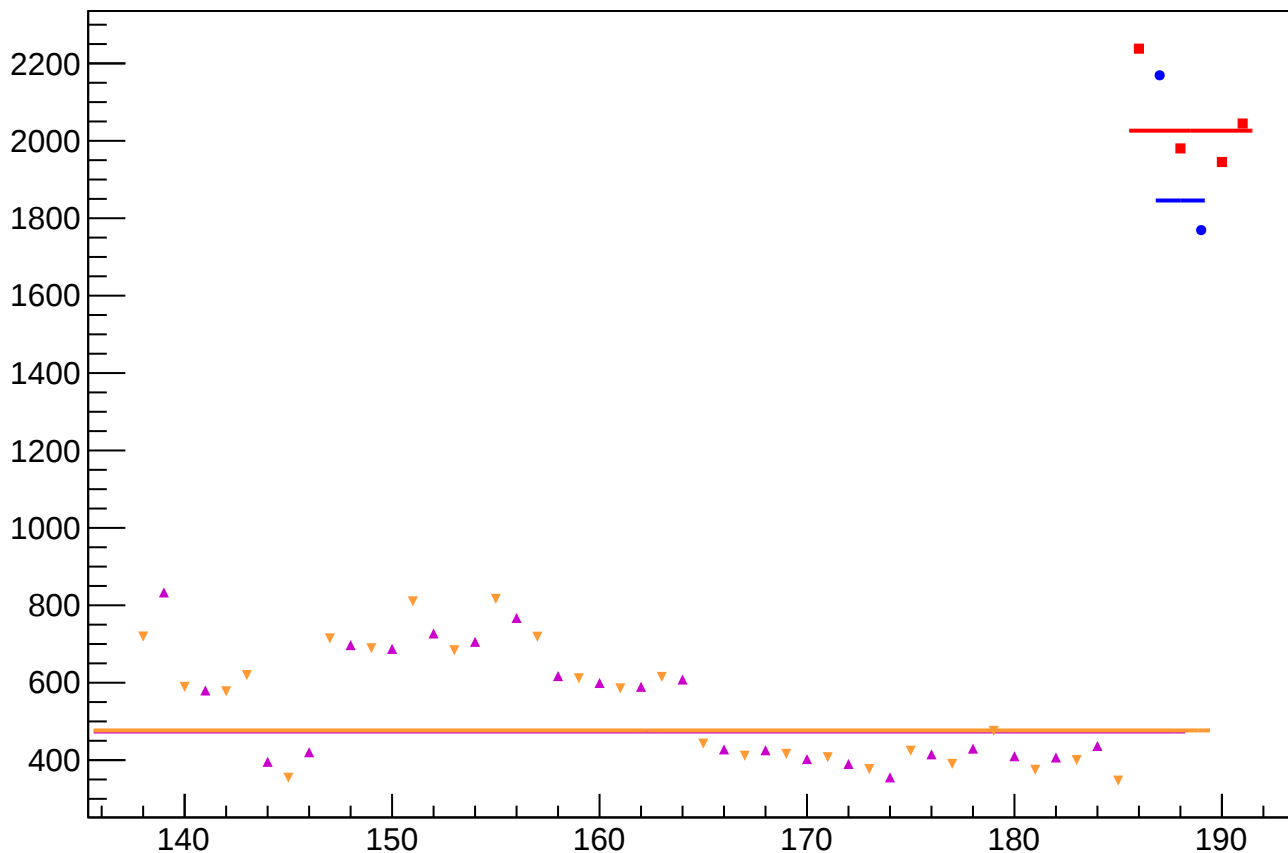
Right: -382.827 $\pm$ 1274.982 χ^2 /NDF: 5.4/5

In: 66.464 $\pm$ 117.313 χ^2 /NDF:31.9/24

Out: 476.006 $\pm$ 115.004 χ^2 /NDF:61.4/28

All: 275.305 $\pm$ 82.124 χ^2 /NDF: 99.5/53

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1845.834+/-1.728 χ^2/NDF : 8285.0/1

Left Out: 476.690+/-0.082 χ^2/NDF : 2472737.6/24

Right Out: 2026.211+/-1.057 χ^2/NDF : 8908.4/3

Left In: 473.983+/-0.083 χ^2/NDF : 2087113.7/22

Left: 475.361+/-0.058 χ^2/NDF : 4560392.0/47

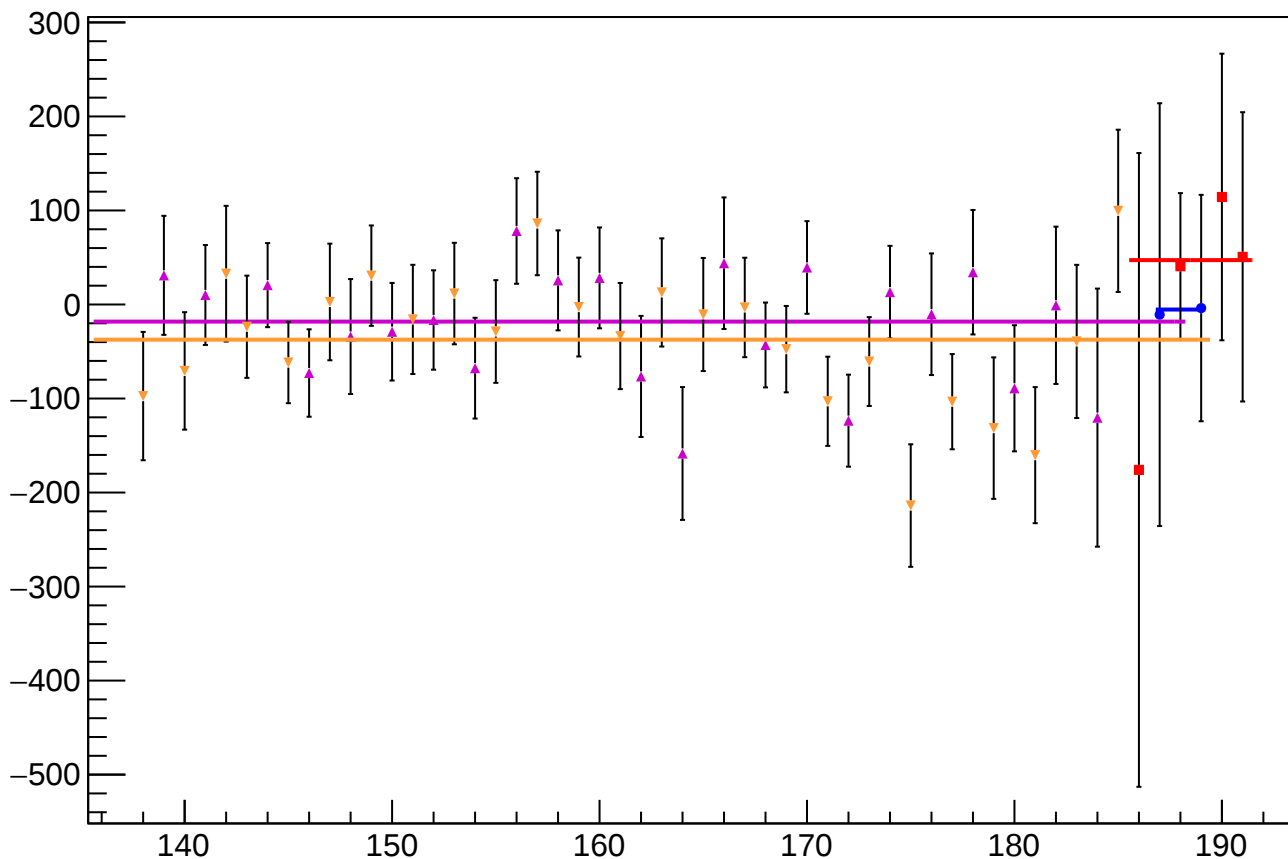
Right: 1977.109+/-0.902 χ^2/NDF : 25123.9/5

In: 477.145+/-0.083 χ^2/NDF : 2724254.7/24

Out: 485.865+/-0.081 χ^2/NDF : 4618813.6/28

All: 481.592+/-0.058 χ^2/NDF : 7348703.4/53

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -5.364+/-106.140 χ^2/NDF : 0.0/1

Left Out: -37.413+/-11.390 χ^2/NDF :30.5/24

Right Out: 47.187+/-62.075 χ^2/NDF : 0.6/3

Left In: -18.210+/-11.788 χ^2/NDF :23.0/22

Left: -28.141+/-8.191 χ^2/NDF : 54.8/47

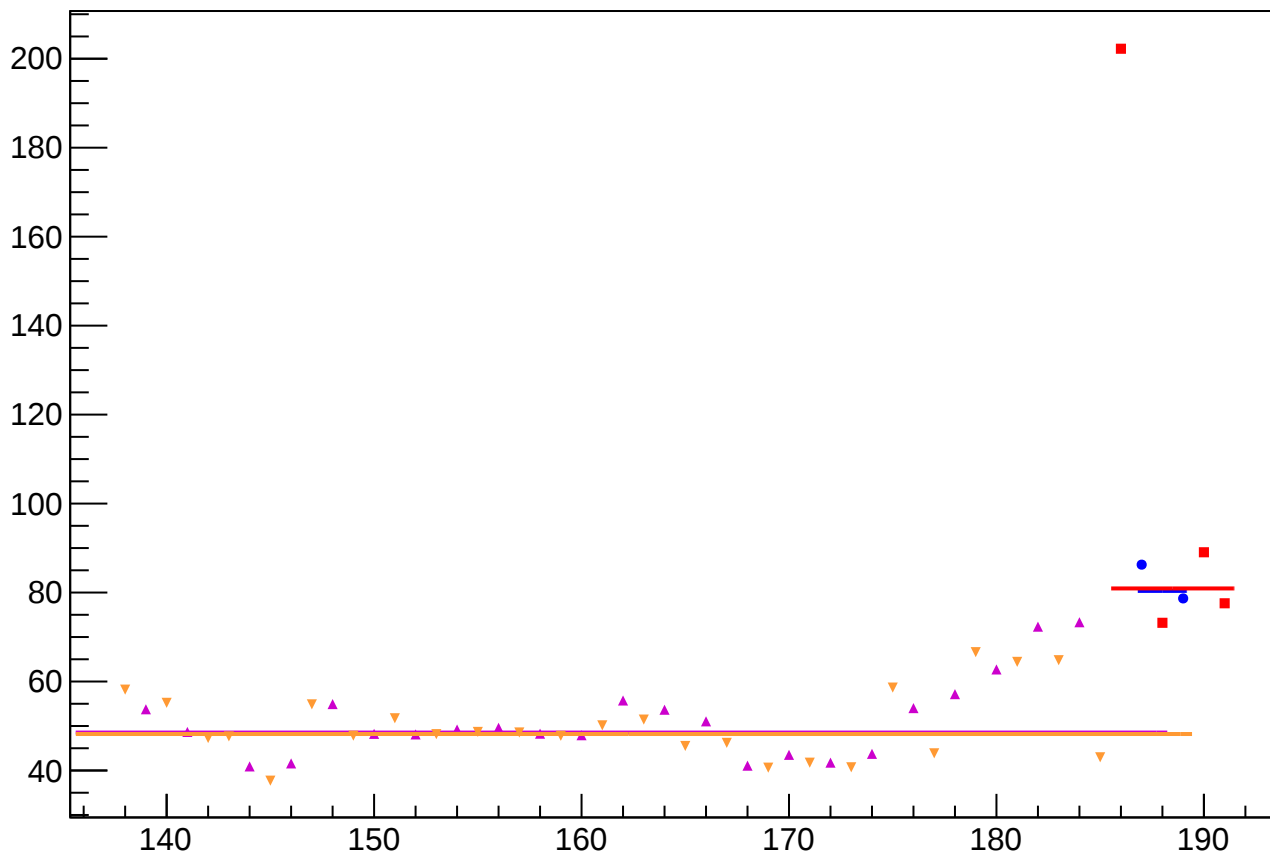
Right: 33.794+/-53.584 χ^2/NDF : 0.8/5

In: -18.054+/-11.716 χ^2/NDF :23.0/24

Out: -34.657+/-11.203 χ^2/NDF :32.9/28

All: -26.727+/-8.097 χ^2/NDF : 57.0/53

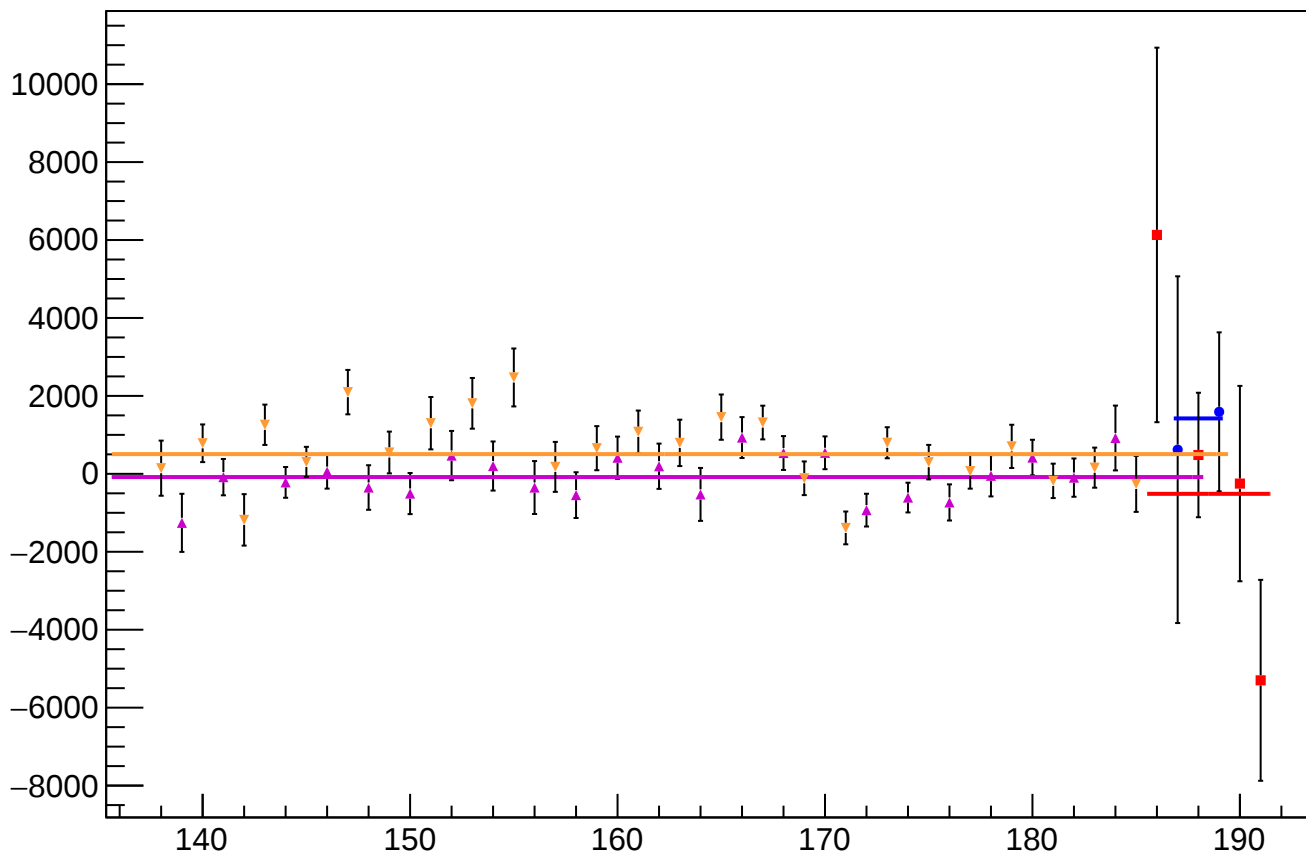
reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 80.371 $\pm$ 0.075 χ^2 /NDF: 1771.6/1
 Left Out: 48.200 $\pm$ 0.008 χ^2 /NDF: 750196.2/24
 Right Out: 80.922 $\pm$ 0.044 χ^2 /NDF: 285529.2/3
 Left In: 48.527 $\pm$ 0.008 χ^2 /NDF: 675340.8/22

Left: 48.358 $\pm$ 0.006 χ^2 /NDF: 1426333.4/47
 Right: 80.782 $\pm$ 0.038 χ^2 /NDF: 287341.0/5
 In: 48.915 $\pm$ 0.008 χ^2 /NDF: 854945.5/24
 Out: 49.265 $\pm$ 0.008 χ^2 /NDF: 1573386.3/28
 All: 49.098 $\pm$ 0.006 χ^2 /NDF: 2429267.8/53

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 1422.107+/-1854.221 χ^2/NDF : 0.0/1

Left Out: 506.205+/-103.468 χ^2/NDF : 65.7/24

Right Out: -513.017+/-1158.706 χ^2/NDF : 5.8/3

Left In: -82.421+/-105.935 χ^2/NDF : 25.3/22

Left: 218.827+/-74.020 χ^2/NDF : 106.9/47

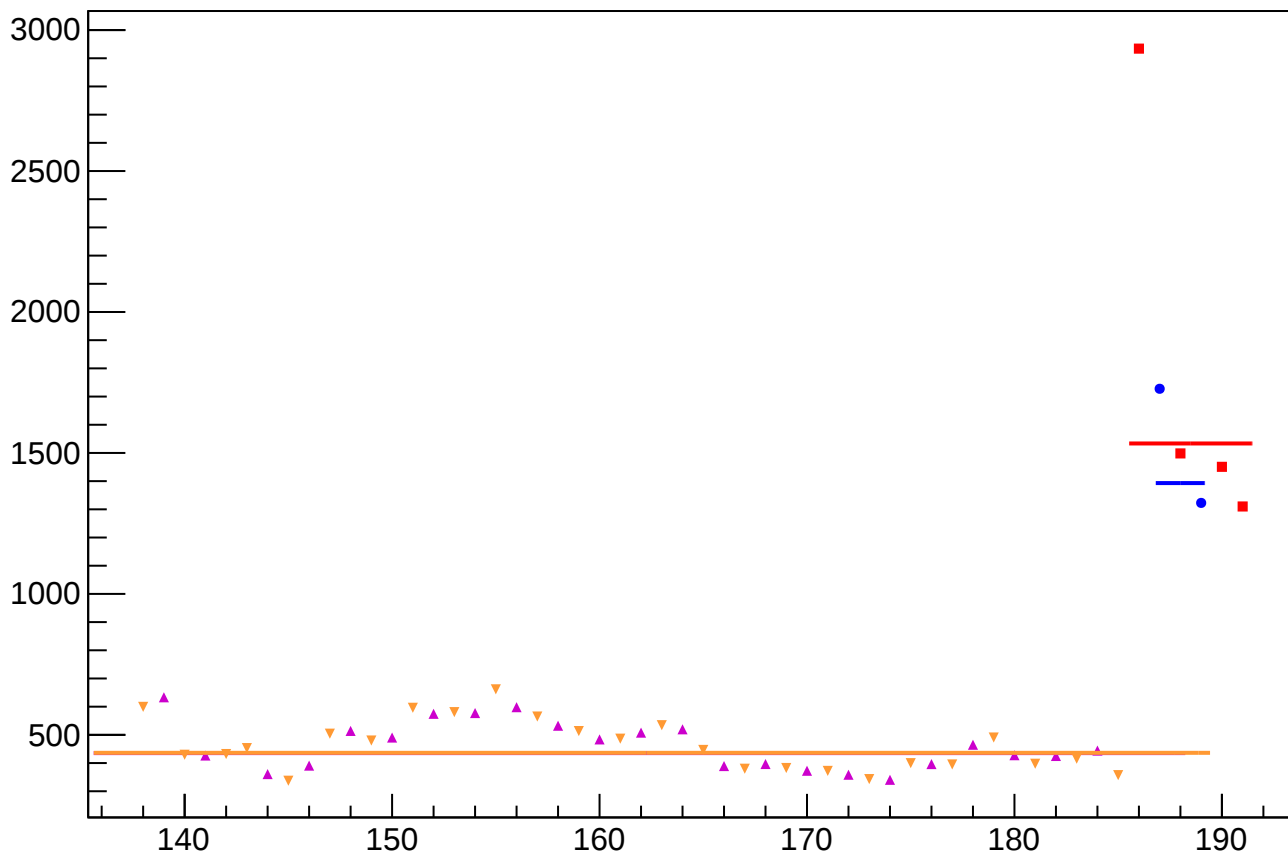
Right: 30.434+/-982.624 χ^2/NDF : 6.6/5

In: -77.526+/-105.763 χ^2/NDF : 26.0/24

Out: 498.142+/-103.058 χ^2/NDF : 72.2/28

All: 217.764+/-73.811 χ^2/NDF : 113.5/53

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1393.128+/-1.311 χ^2/NDF : 13686.1/1

Left Out: 436.301+/-0.073 χ^2/NDF : 1179348.4/24

Right Out: 1533.627+/-0.819 χ^2/NDF : 188086.3/3

Left In: 435.275+/-0.075 χ^2/NDF : 1027713.1/22

Left: 435.800+/-0.052 χ^2/NDF : 2207157.7/47

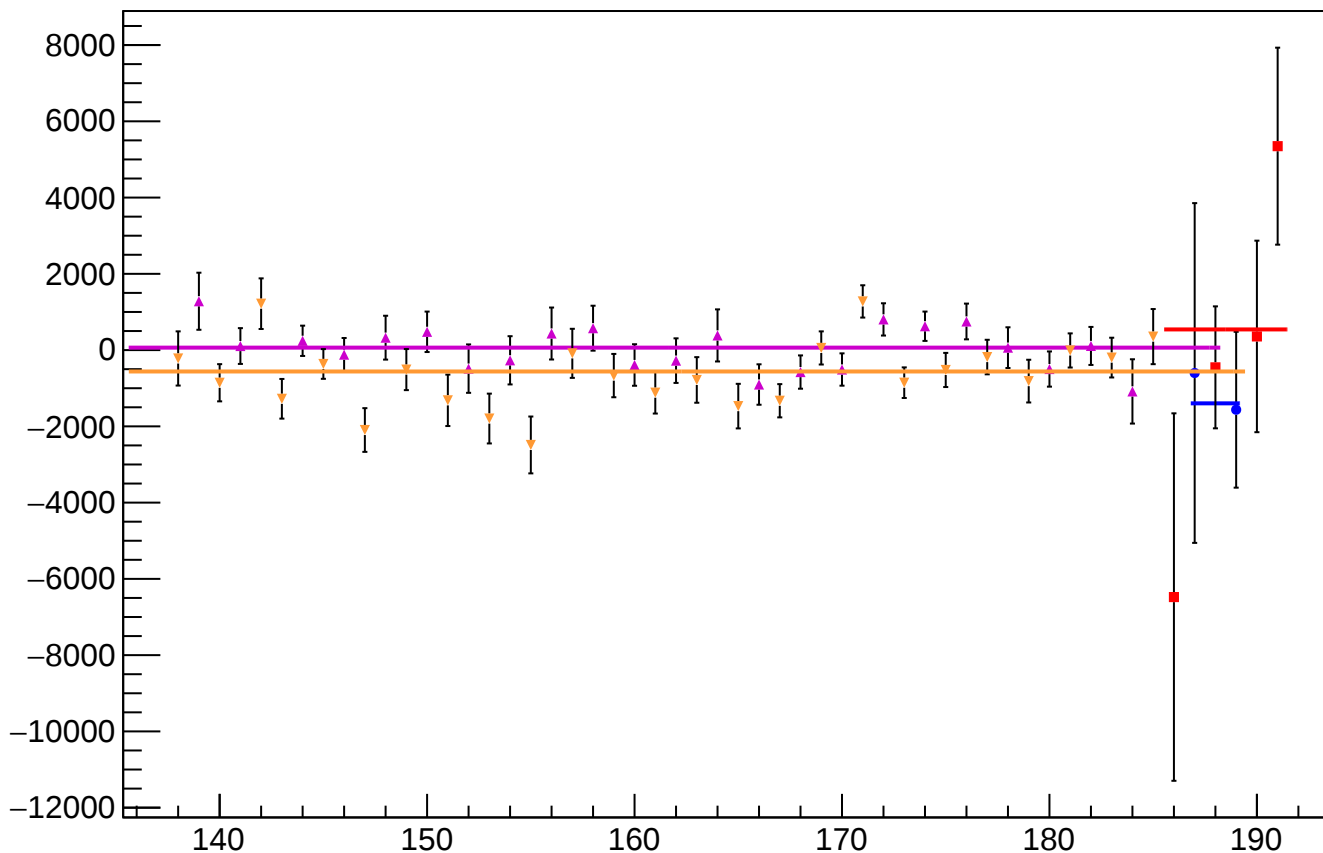
Right: 1494.170+/-0.695 χ^2/NDF : 210030.6/5

In: 438.391+/-0.075 χ^2/NDF : 1573371.6/24

Out: 444.982+/-0.073 χ^2/NDF : 3146964.5/28

All: 441.772+/-0.052 χ^2/NDF : 4724320.1/53

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -1396.554 $\pm$ 1857.539 χ^2 /NDF: 0.0/1

Left Out: -560.684 $\pm$ 104.207 χ^2 /NDF:61.8/24

Right Out: 542.120 $\pm$ 1160.601 χ^2 /NDF: 6.0/3

Left In: 64.594 $\pm$ 106.708 χ^2 /NDF:25.2/22

Left: -255.457 $\pm$ 74.554 χ^2 /NDF: 104.5/47

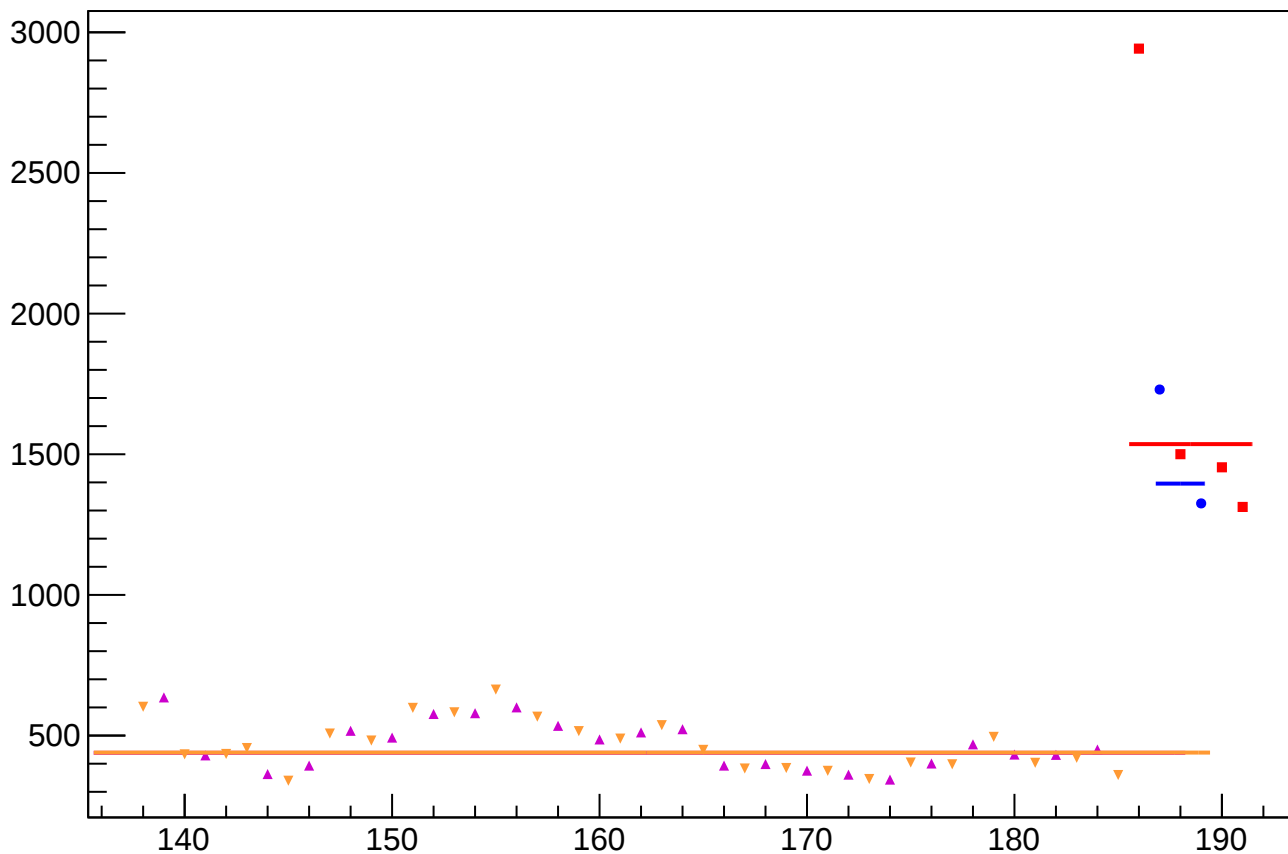
Right: -2.208 $\pm$ 984.274 χ^2 /NDF: 6.8/5

In: 59.788 $\pm$ 106.532 χ^2 /NDF:25.8/24

Out: -551.865 $\pm$ 103.790 χ^2 /NDF:68.6/28

All: -254.012 $\pm$ 74.341 χ^2 /NDF: 111.4/53

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 1395.693+/-1.313 χ^2/NDF : 13641.1/1

Left Out: 439.527+/-0.074 χ^2/NDF :1163352.8/24

Right Out: 1536.094+/-0.821 χ^2/NDF : 188373.2/3

Left In: 438.548+/-0.075 χ^2/NDF :1013071.4/22

Left: 439.049+/-0.053 χ^2/NDF : 2176510.4/47

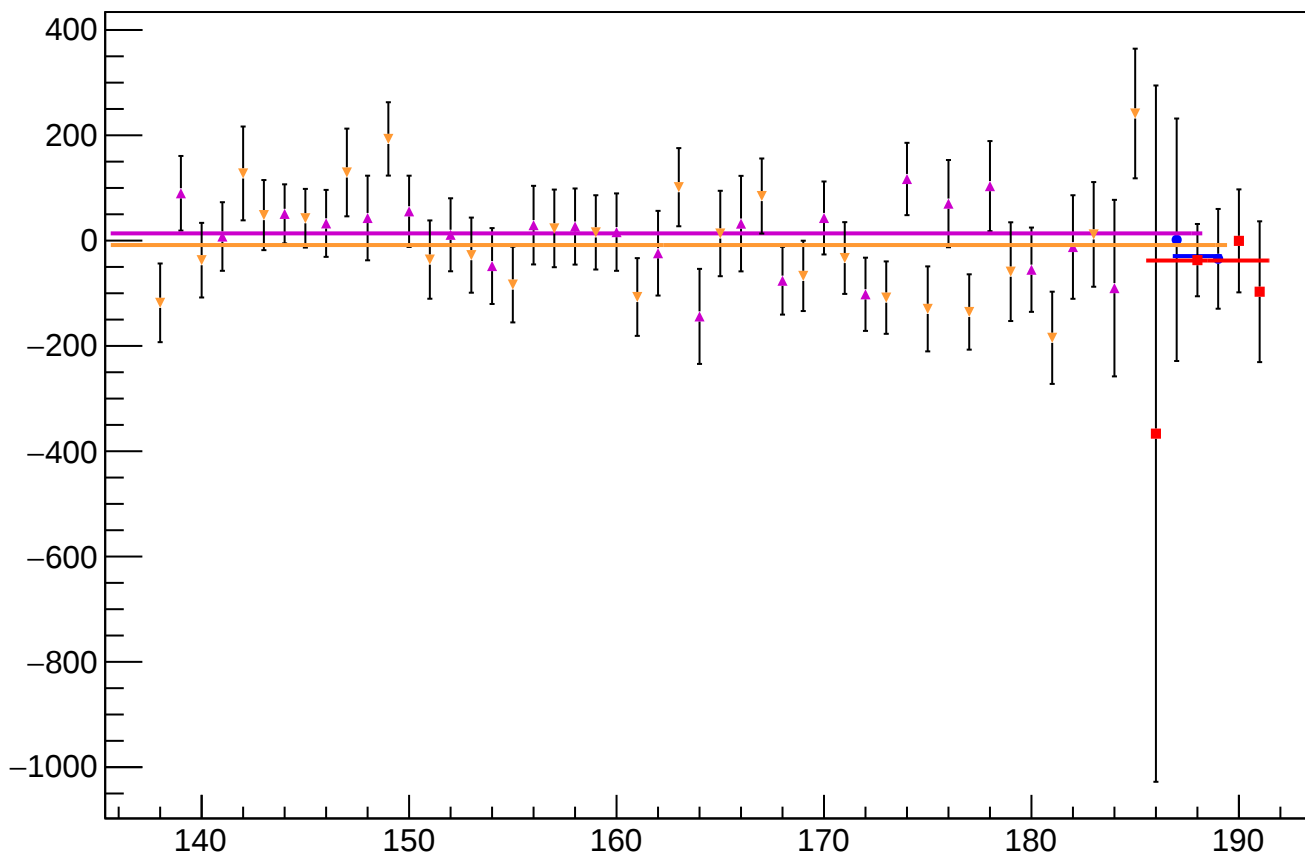
Right: 1496.673+/-0.696 χ^2/NDF : 210232.2/5

In: 441.696+/-0.075 χ^2/NDF :1555984.8/24

Out: 448.296+/-0.073 χ^2/NDF :3122843.9/28

All: 445.082+/-0.053 χ^2/NDF : 4682767.7/53

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -29.367 $\pm$ 87.608 χ^2 /NDF: 0.0/1

Left Out: -8.416 $\pm$ 14.935 χ^2 /NDF:41.6/24

Right Out: -37.823 $\pm$ 51.641 χ^2 /NDF: 0.6/3

Left In: 13.723 $\pm$ 15.478 χ^2 /NDF:16.3/22

Left: 2.258 $\pm$ 10.747 χ^2 /NDF: 58.9/47

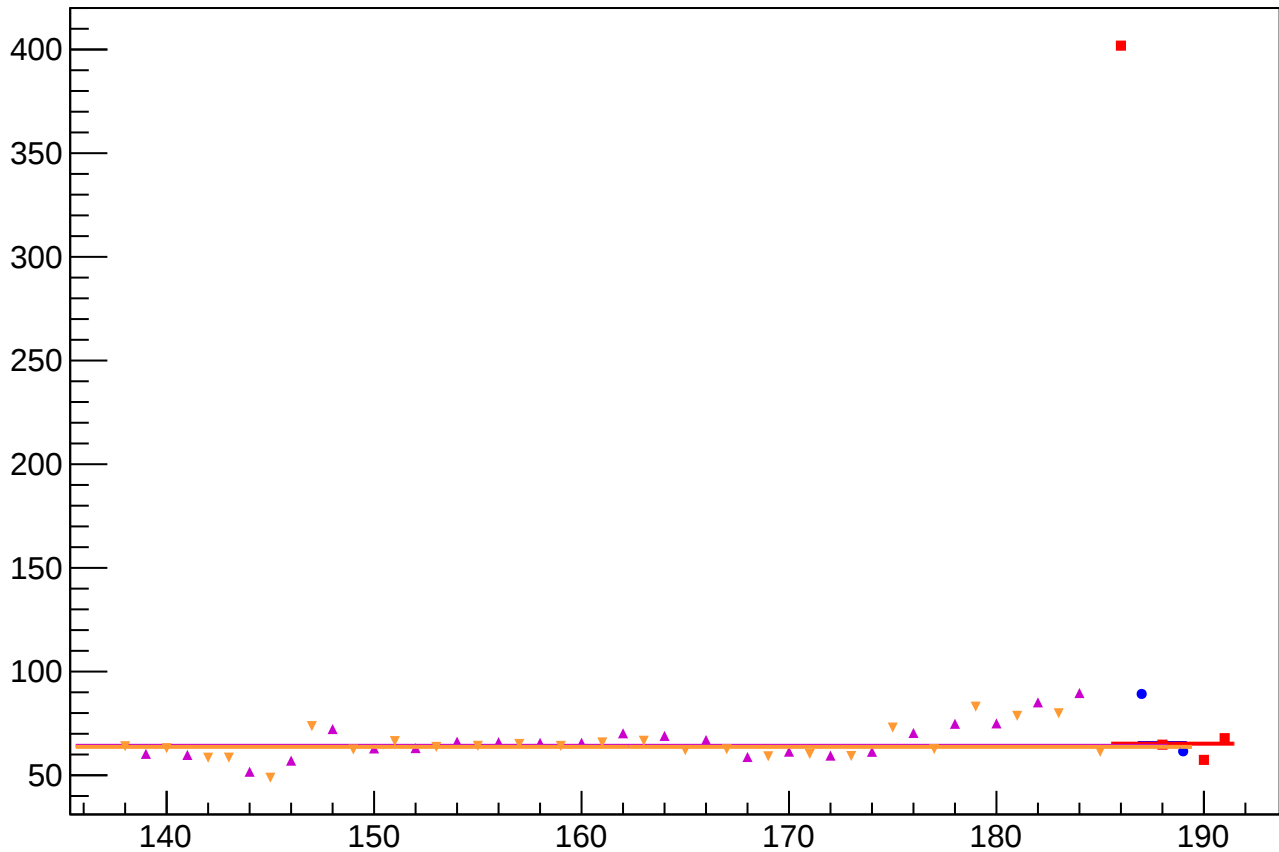
Right: -35.642 $\pm$ 44.487 χ^2 /NDF: 0.6/5

In: 12.419 $\pm$ 15.242 χ^2 /NDF:16.5/24

Out: -10.686 $\pm$ 14.347 χ^2 /NDF:42.5/28

All: 0.168 $\pm$ 10.447 χ^2 /NDF: 60.2/53

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 65.550 $\pm$ 0.062 χ^2 /NDF: 24699.6/1

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 65.229 $\pm$ 0.037 χ^2 /NDF: 532083.0/3

Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

Left: 63.934 $\pm$ 0.008 χ^2 /NDF: 879161.0/47

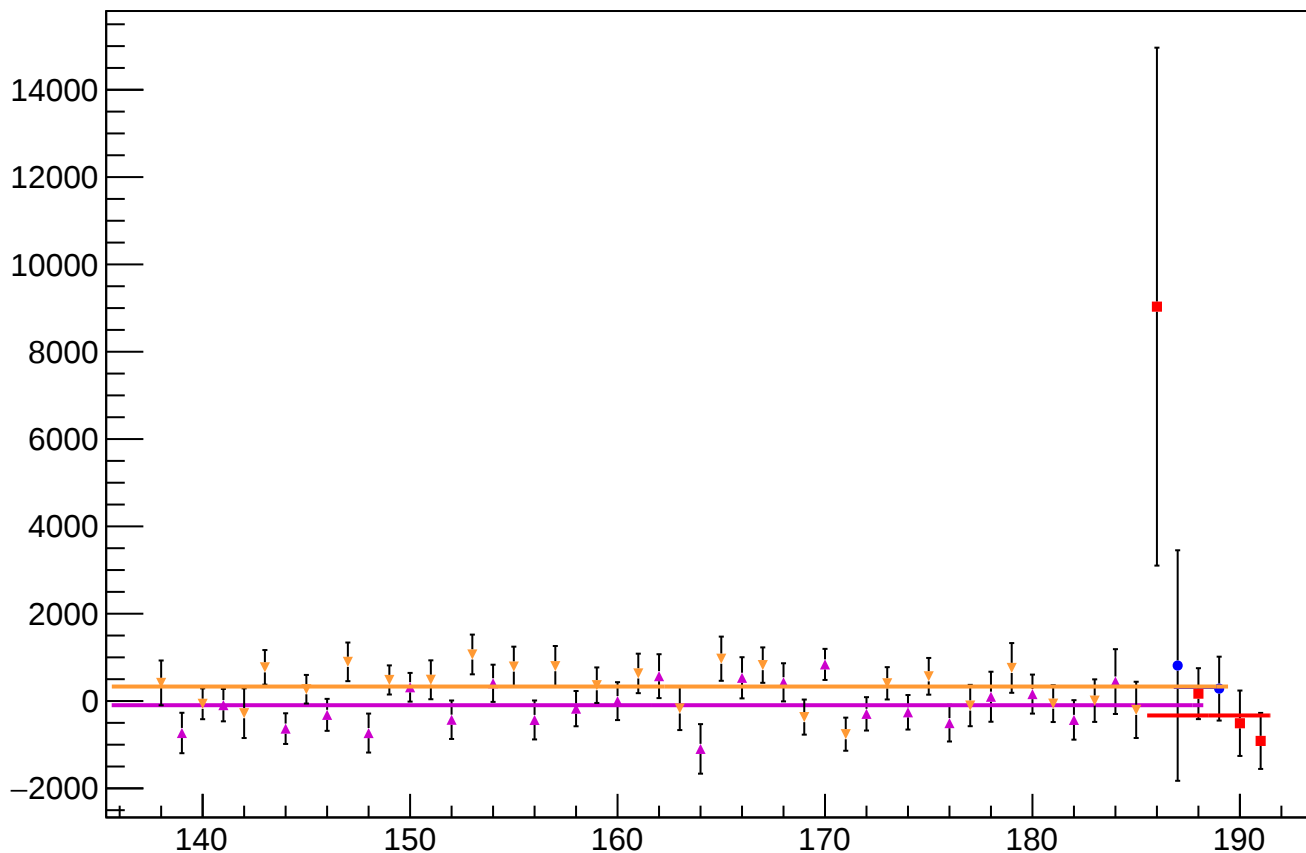
Right: 65.312 $\pm$ 0.031 χ^2 /NDF: 556802.6/5

In: 64.230 $\pm$ 0.011 χ^2 /NDF: 454838.0/24

Out: 63.814 $\pm$ 0.010 χ^2 /NDF: 982148.0/28

All: 64.010 $\pm$ 0.007 χ^2 /NDF: 1437776.1/53

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 321.745 $\pm$ 705.164 χ^2 /NDF: 0.0/1

Left Out: 331.739 $\pm$ 86.071 χ^2 /NDF:29.9/24

Right Out: -330.682 $\pm$ 373.210 χ^2 /NDF: 4.1/3

Left In: -95.910 $\pm$ 88.656 χ^2 /NDF:28.7/22

Left: 124.240 $\pm$ 61.755 χ^2 /NDF: 70.5/47

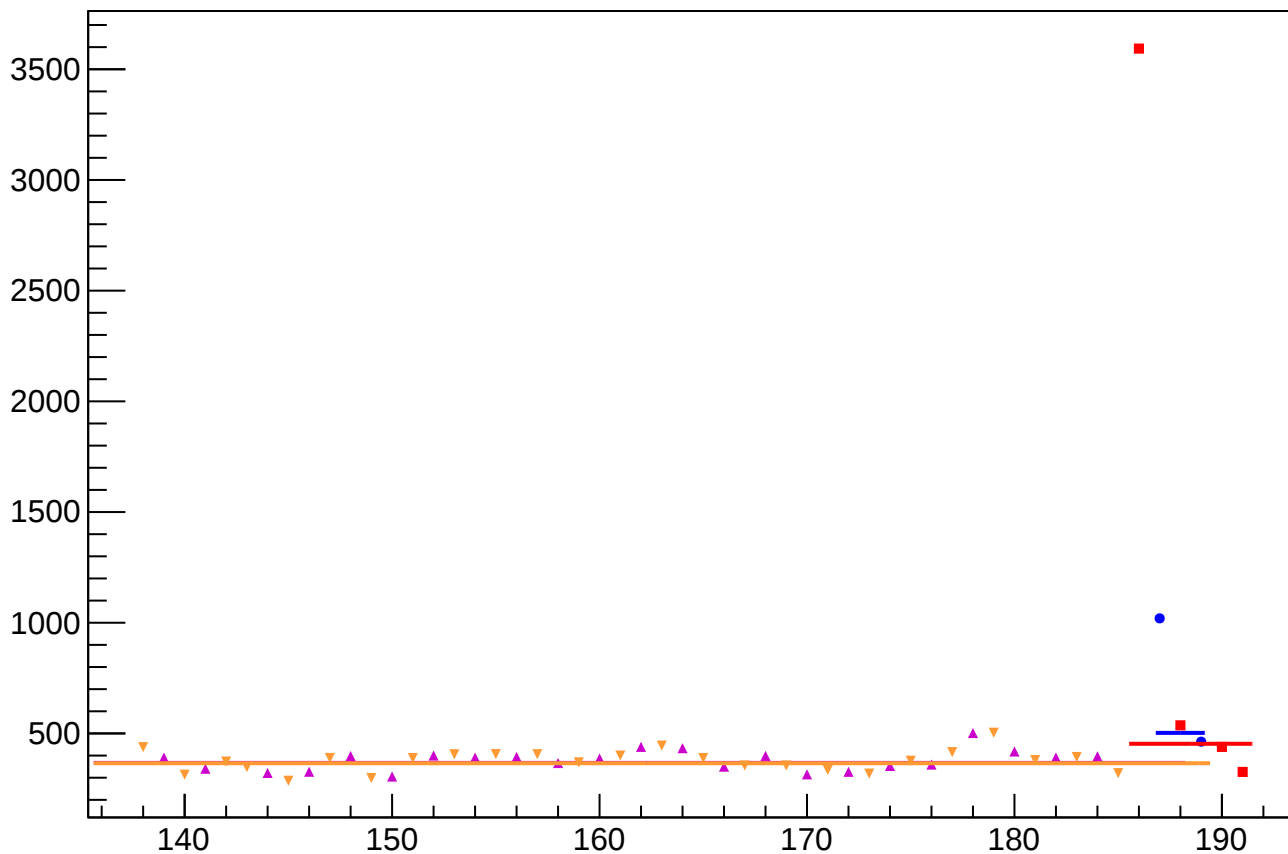
Right: -187.920 $\pm$ 329.860 χ^2 /NDF: 4.8/5

In: -89.411 $\pm$ 87.963 χ^2 /NDF:29.1/24

Out: 298.286 $\pm$ 83.869 χ^2 /NDF:37.0/28

All: 113.669 $\pm$ 60.700 χ^2 /NDF: 76.2/53

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 502.521+/-0.499 χ^2/NDF : 82687.1/1

Left Out: 365.355+/-0.061 χ^2/NDF : 618453.7/24

Right Out: 453.282+/-0.264 χ^2/NDF : 680560.1/3

Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

Left: 366.117+/-0.044 χ^2/NDF : 1096858.5/47

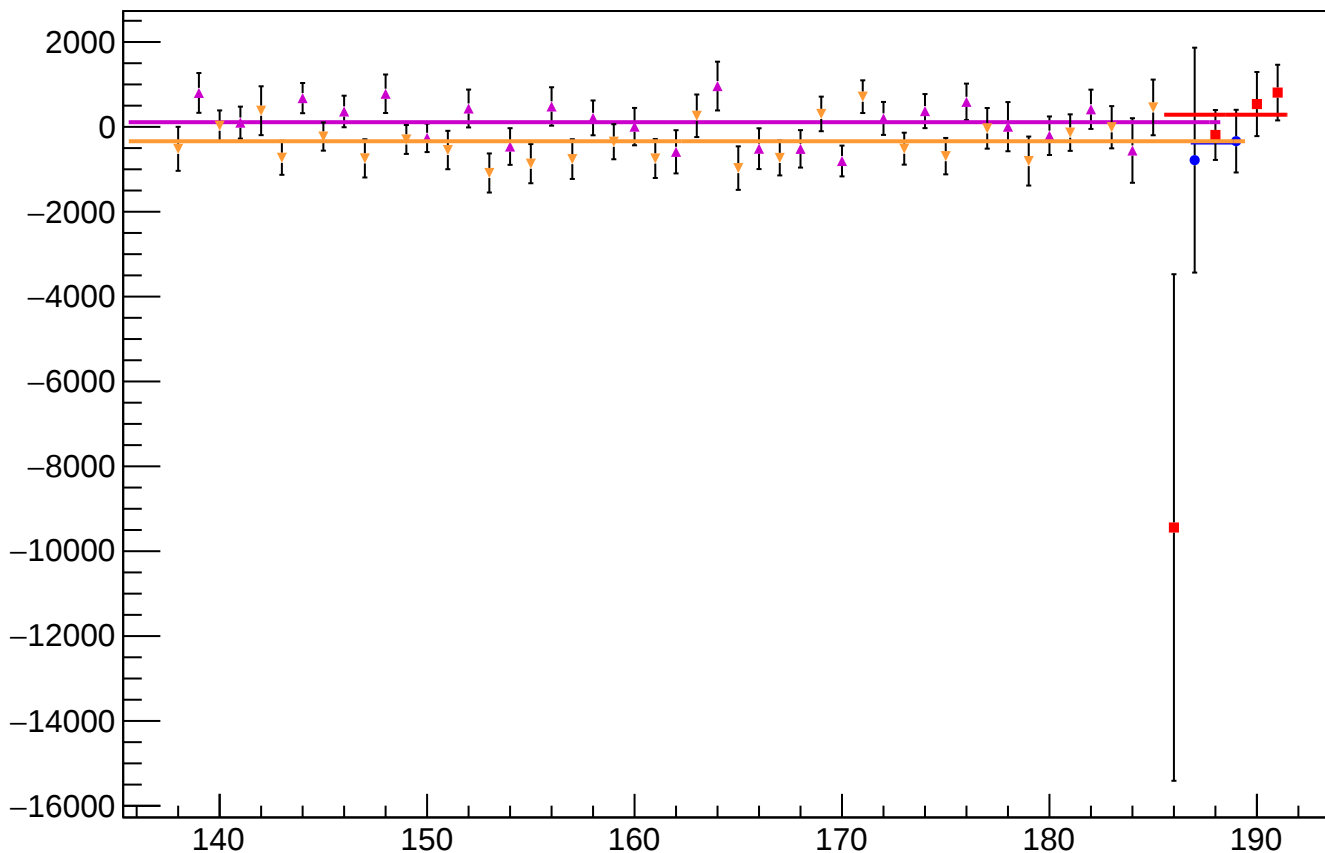
Right: 464.057+/-0.233 χ^2/NDF : 770864.5/5

In: 369.035+/-0.062 χ^2/NDF : 633569.4/24

Out: 369.796+/-0.059 χ^2/NDF : 1404419.8/28

All: 369.433+/-0.043 χ^2/NDF : 2038067.7/53

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -368.775+/-711.398 χ^2/NDF : 0.0/1

Left Out: -338.528+/-87.450 χ^2/NDF : 28.2/24

Right Out: 286.275+/-377.995 χ^2/NDF : 4.1/3

Left In: 110.341+/-90.084 χ^2/NDF : 29.2/22

Left: -120.751+/-62.747 χ^2/NDF : 70.2/47

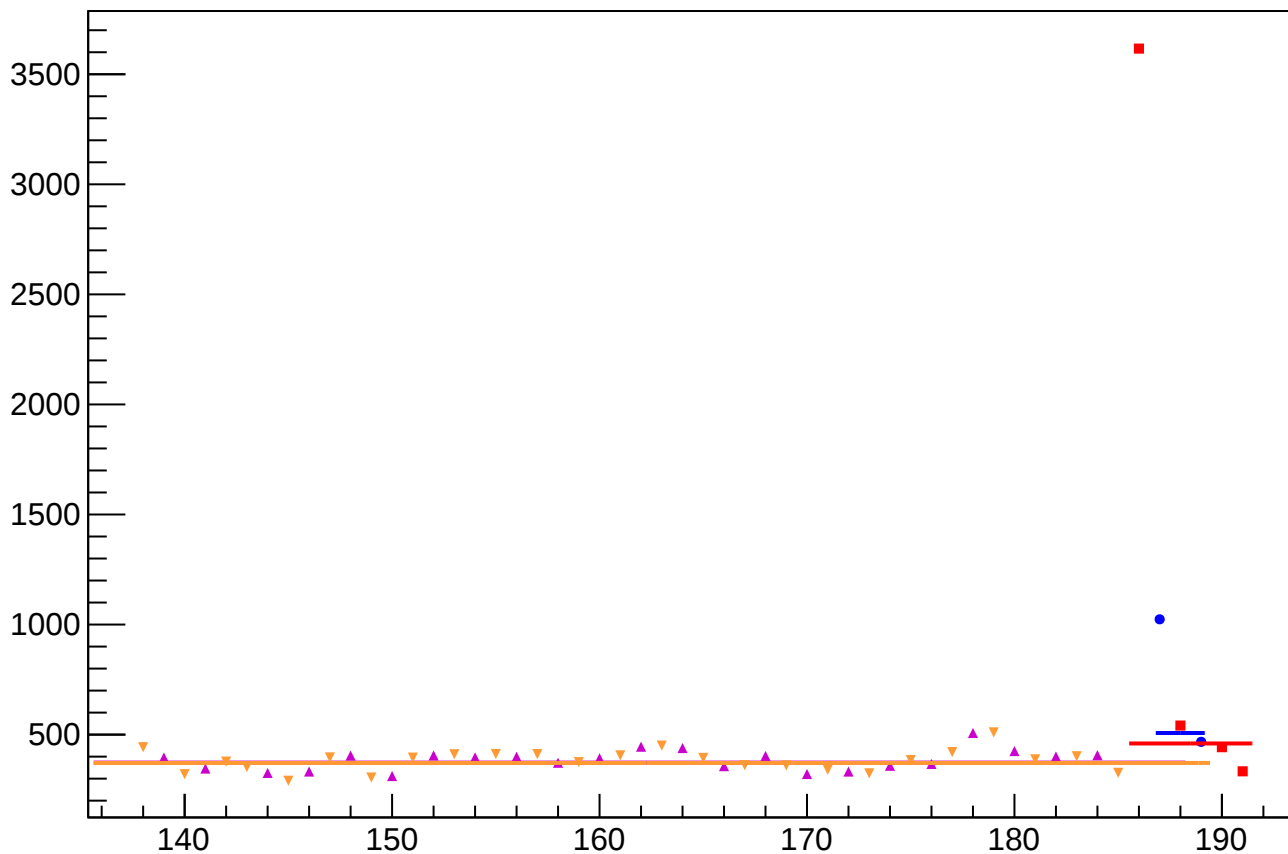
Right: 142.056+/-333.801 χ^2/NDF : 4.7/5

In: 102.779+/-89.370 χ^2/NDF : 29.7/24

Out: -306.785+/-85.200 χ^2/NDF : 34.9/28

All: -111.781+/-61.667 χ^2/NDF : 75.6/53

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 507.362 $\pm$ 0.503 χ^2 /NDF: 81851.1/1

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 459.860 $\pm$ 0.267 χ^2 /NDF: 673099.8/3

Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

Left: 372.123 $\pm$ 0.044 χ^2 /NDF: 1071729.1/47

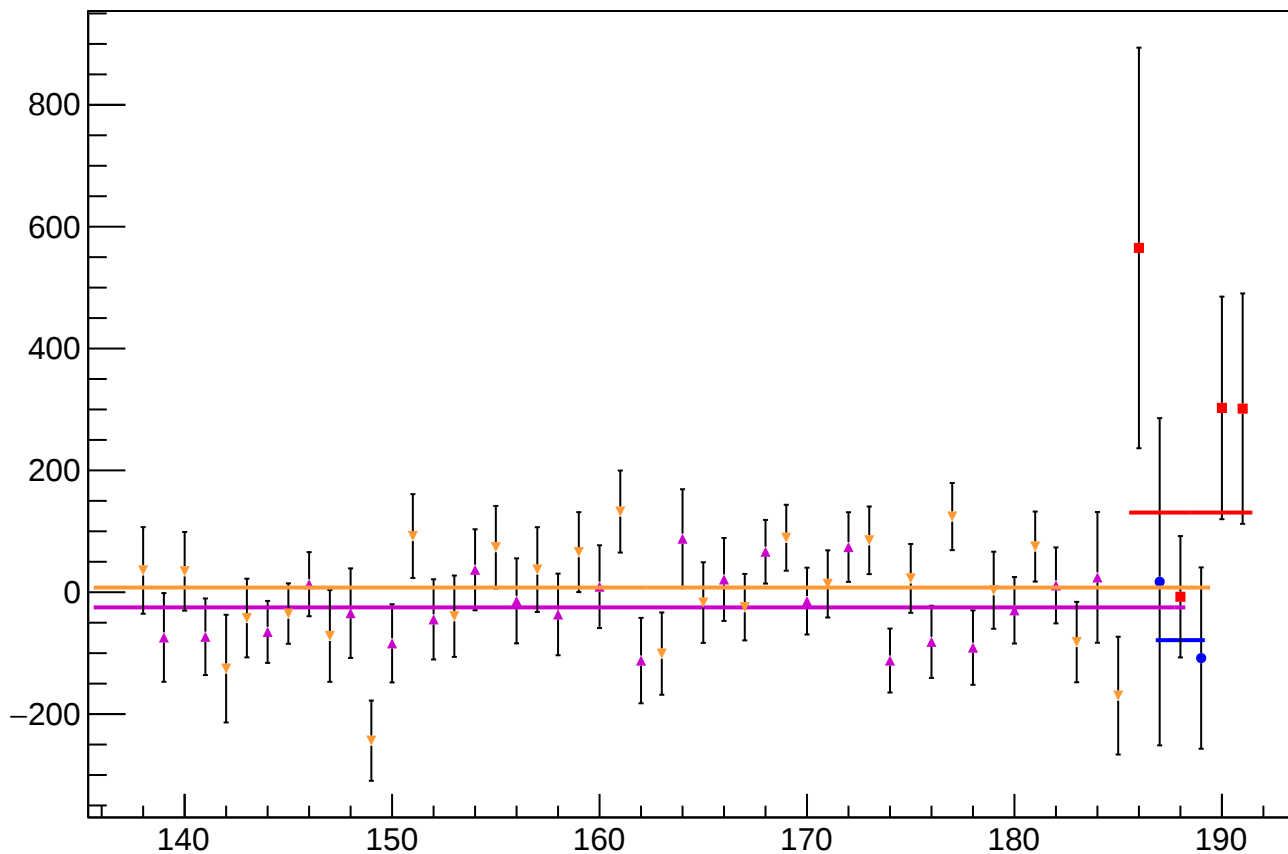
Right: 470.318 $\pm$ 0.236 χ^2 /NDF: 761904.9/5

In: 375.059 $\pm$ 0.063 χ^2 /NDF: 619475.0/24

Out: 375.852 $\pm$ 0.060 χ^2 /NDF: 1381243.0/28

All: 375.475 $\pm$ 0.044 χ^2 /NDF: 2000800.5/53

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -78.659 ± 130.183 $\chi^2/\text{NDF}: 0.2/1$

Left Out: 7.723 ± 12.656 $\chi^2/\text{NDF}: 45.4/24$

Right Out: 130.785 ± 77.145 $\chi^2/\text{NDF}: 5.4/3$

Left In: -24.887 ± 13.029 $\chi^2/\text{NDF}: 19.7/22$

Left: -8.108 ± 9.078 $\chi^2/\text{NDF}: 68.4/47$

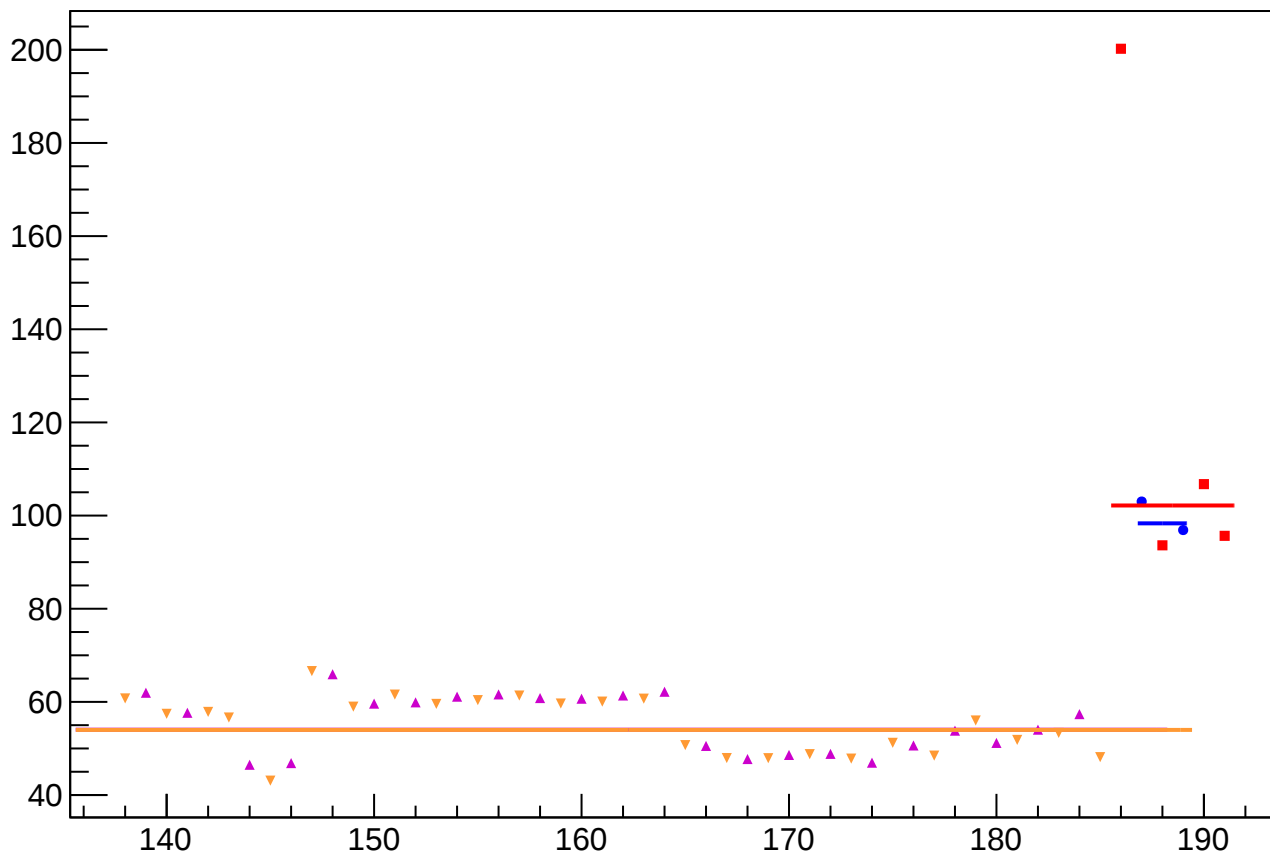
Right: 76.352 ± 66.367 $\chi^2/\text{NDF}: 7.5/5$

In: -25.421 ± 12.964 $\chi^2/\text{NDF}: 20.1/24$

Out: 10.949 ± 12.489 $\chi^2/\text{NDF}: 53.3/28$

All: -6.557 ± 8.994 $\chi^2/\text{NDF}: 77.4/53$

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 98.331 $\pm$ 0.092 χ^2 /NDF: 795.0/1

Left Out: 53.984 $\pm$ 0.009 χ^2 /NDF: 458972.1/24

Right Out: 102.167 $\pm$ 0.055 χ^2 /NDF: 196339.0/3

Left In: 54.028 $\pm$ 0.009 χ^2 /NDF: 443819.5/22

Left: 54.005 $\pm$ 0.006 χ^2 /NDF: 902803.3/47

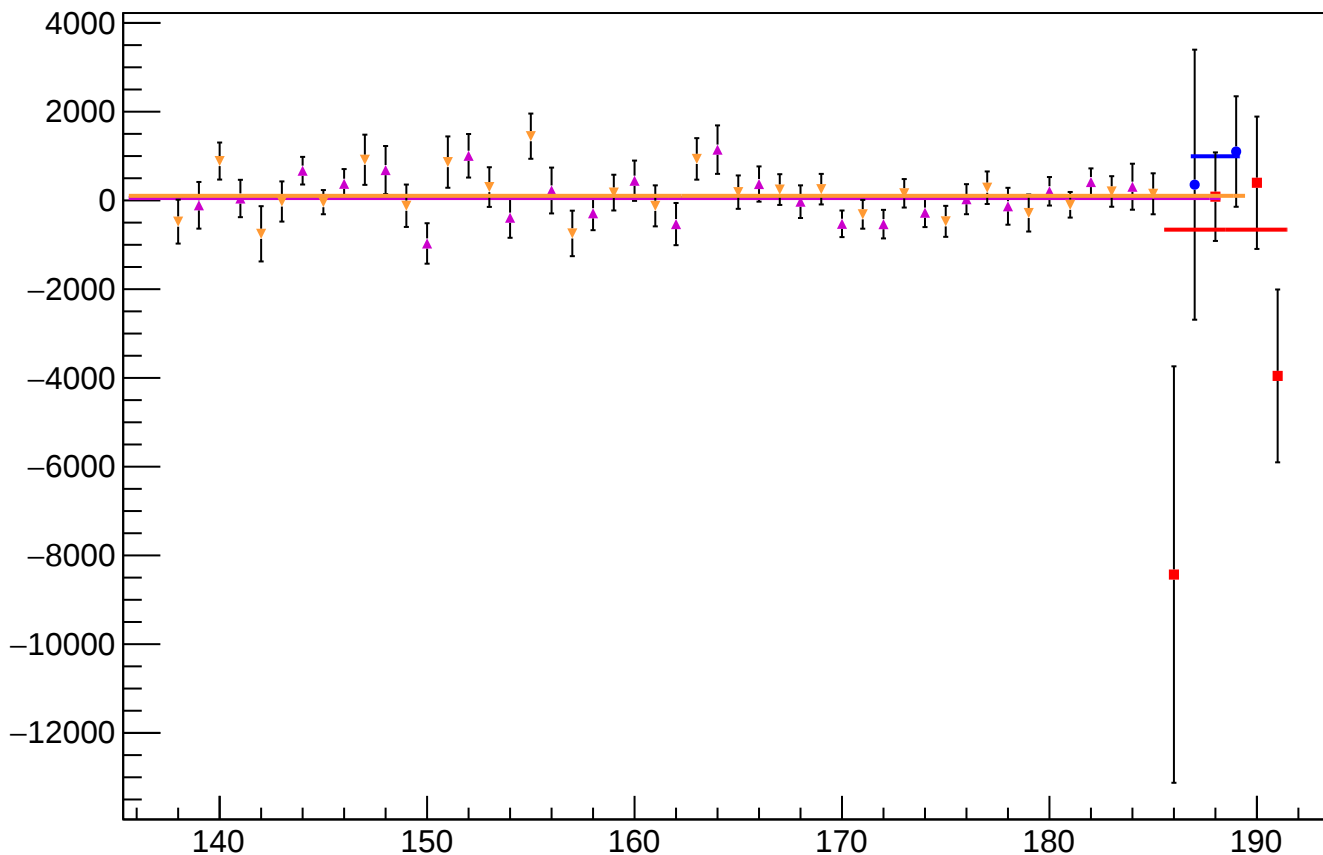
Right: 101.170 $\pm$ 0.047 χ^2 /NDF: 198419.4/5

In: 54.467 $\pm$ 0.009 χ^2 /NDF: 673948.0/24

Out: 55.246 $\pm$ 0.009 χ^2 /NDF: 1415090.4/28

All: 54.871 $\pm$ 0.006 χ^2 /NDF: 2092788.1/53

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 994.901 $\pm$ 1152.369 χ^2 /NDF: 0.1/1

Left Out: 103.768 $\pm$ 79.344 χ^2 /NDF:31.0/24

Right Out: -658.616 $\pm$ 753.060 χ^2 /NDF: 6.7/3

Left In: 53.493 $\pm$ 81.201 χ^2 /NDF:34.1/22

Left: 79.212 $\pm$ 56.750 χ^2 /NDF: 65.3/47

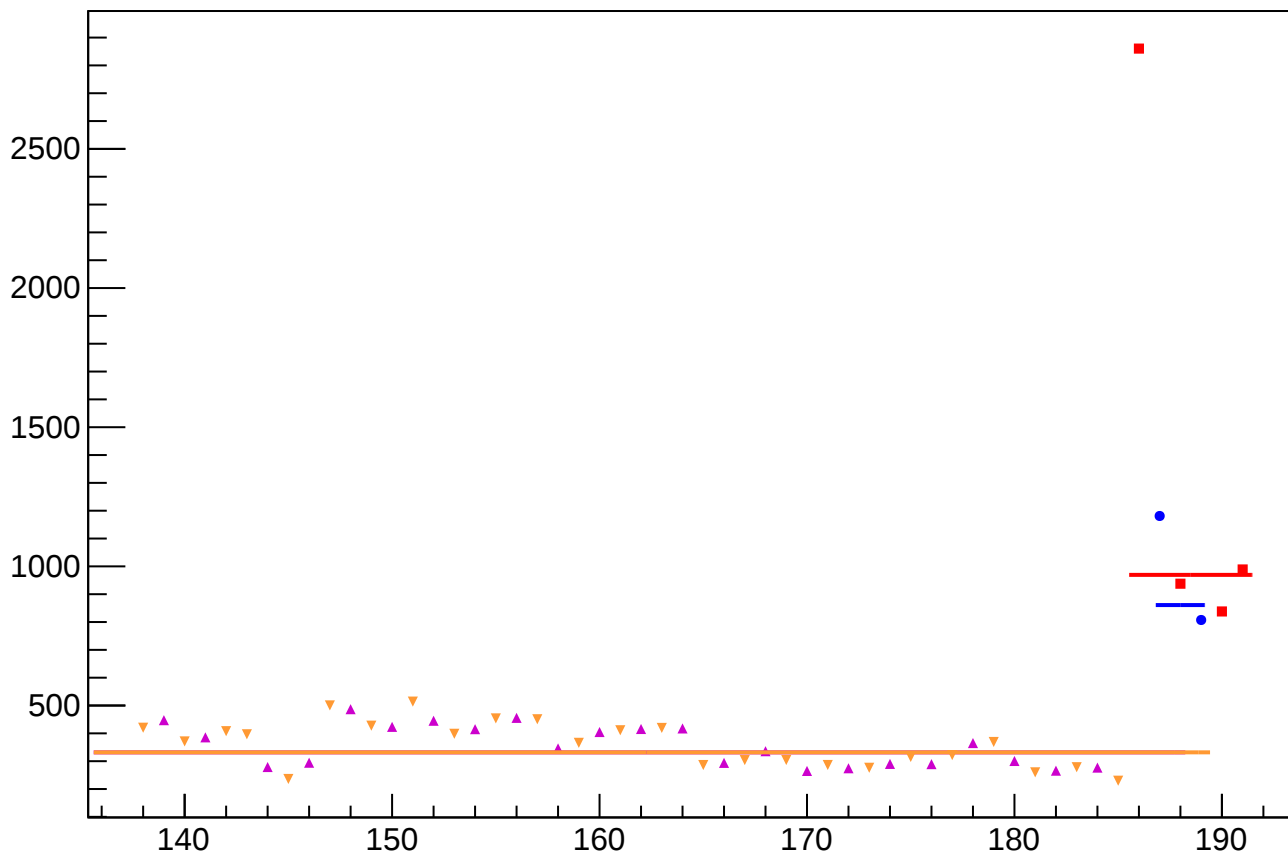
Right: -163.797 $\pm$ 630.391 χ^2 /NDF: 8.2/5

In: 58.144 $\pm$ 81.000 χ^2 /NDF:34.8/24

Out: 95.397 $\pm$ 78.907 χ^2 /NDF:38.6/28

All: 77.258 $\pm$ 56.521 χ^2 /NDF: 73.6/53

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 860.959 $\pm$ 0.815 χ^2/NDF : 25838.1/1

Left Out: 331.770 $\pm$ 0.056 χ^2/NDF : 1711721.9/24

Right Out: 969.433 $\pm$ 0.532 χ^2/NDF : 342498.0/3

Left In: 331.666 $\pm$ 0.057 χ^2/NDF : 1303192.2/22

Left: 331.719 $\pm$ 0.040 χ^2/NDF : 3014915.7/47

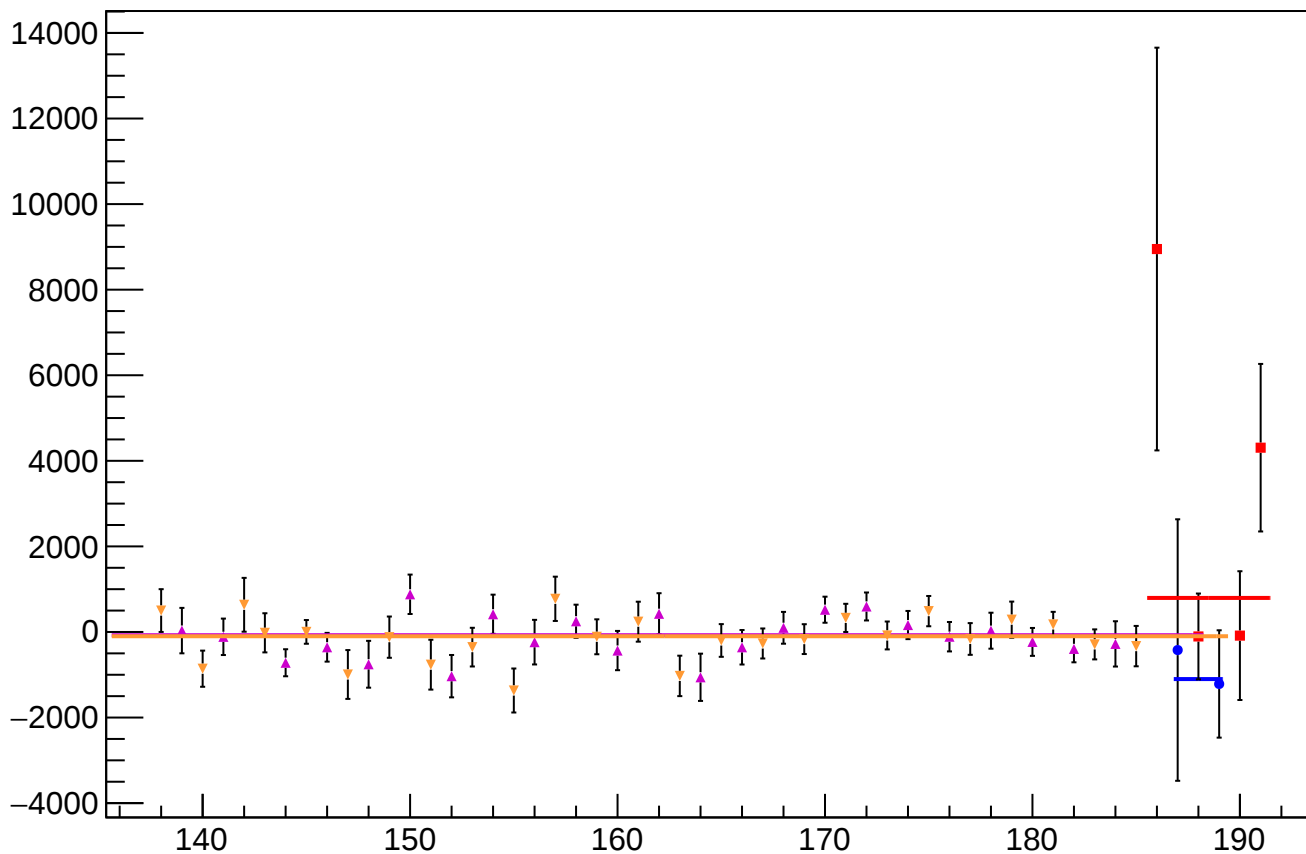
Right: 936.972 $\pm$ 0.446 χ^2/NDF : 380754.4/5

In: 334.281 $\pm$ 0.057 χ^2/NDF : 1748875.4/24

Out: 338.772 $\pm$ 0.056 χ^2/NDF : 3472490.6/28

All: 336.585 $\pm$ 0.040 χ^2/NDF : 5224520.0/53

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -1100.655+/-1160.505 χ^2/NDF : 0.1/1

Left Out: -99.785+/-80.428 χ^2/NDF : 30.7/24

Right Out: 795.797+/-757.743 χ^2/NDF : 7.4/3

Left In: -75.579+/-82.319 χ^2/NDF : 32.1/22

Left: -87.963+/-57.528 χ^2/NDF : 62.8/47

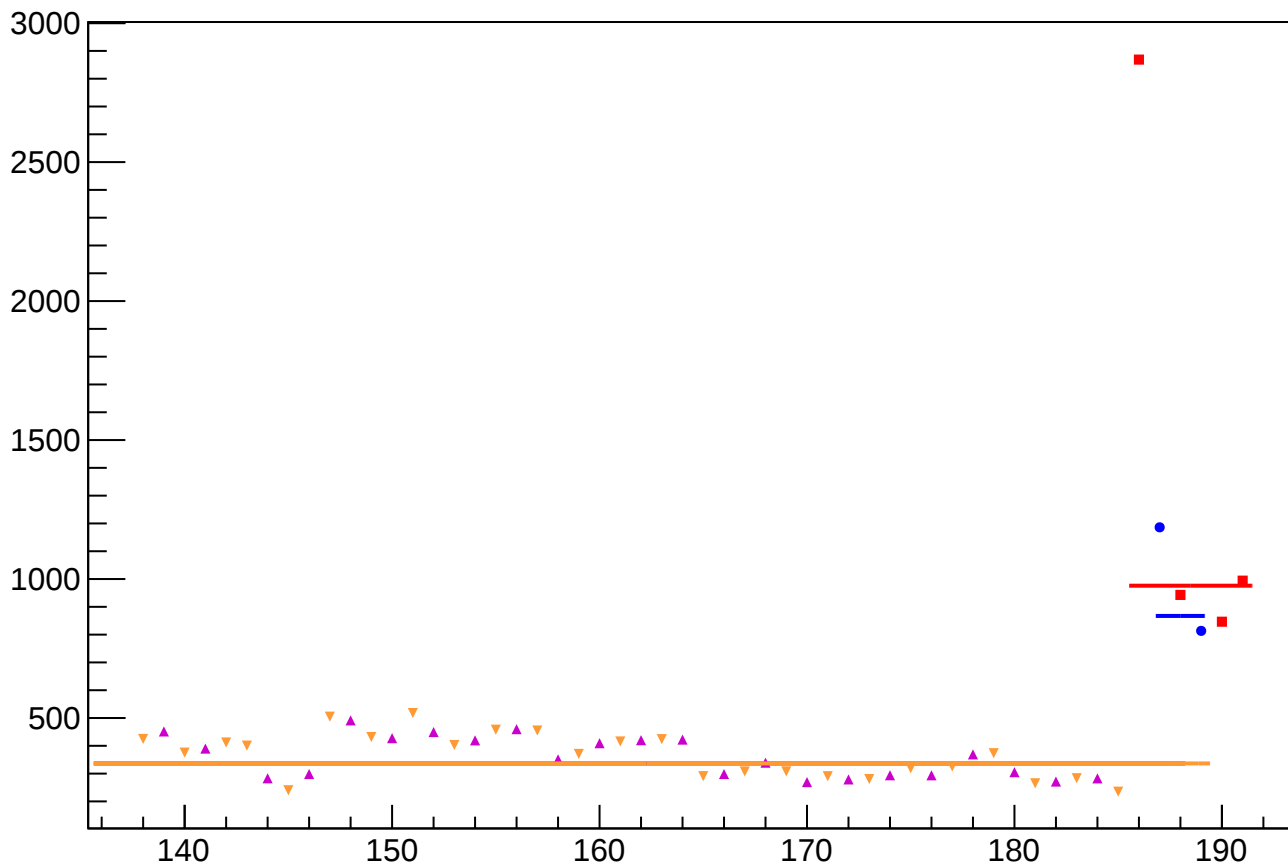
Right: 228.944+/-634.471 χ^2/NDF : 9.3/5

In: -80.711+/-82.112 χ^2/NDF : 32.9/24

Out: -89.808+/-79.979 χ^2/NDF : 39.4/28

All: -85.379+/-57.293 χ^2/NDF : 72.3/53

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 867.257+/-0.821 χ^2/NDF : 25434.4/1

Left Out: 336.557+/-0.057 χ^2/NDF : 1665919.4/24

Right Out: 976.027+/-0.536 χ^2/NDF : 340682.7/3

Left In: 336.439+/-0.058 χ^2/NDF : 1269066.3/22

Left: 336.500+/-0.041 χ^2/NDF : 2934987.9/47

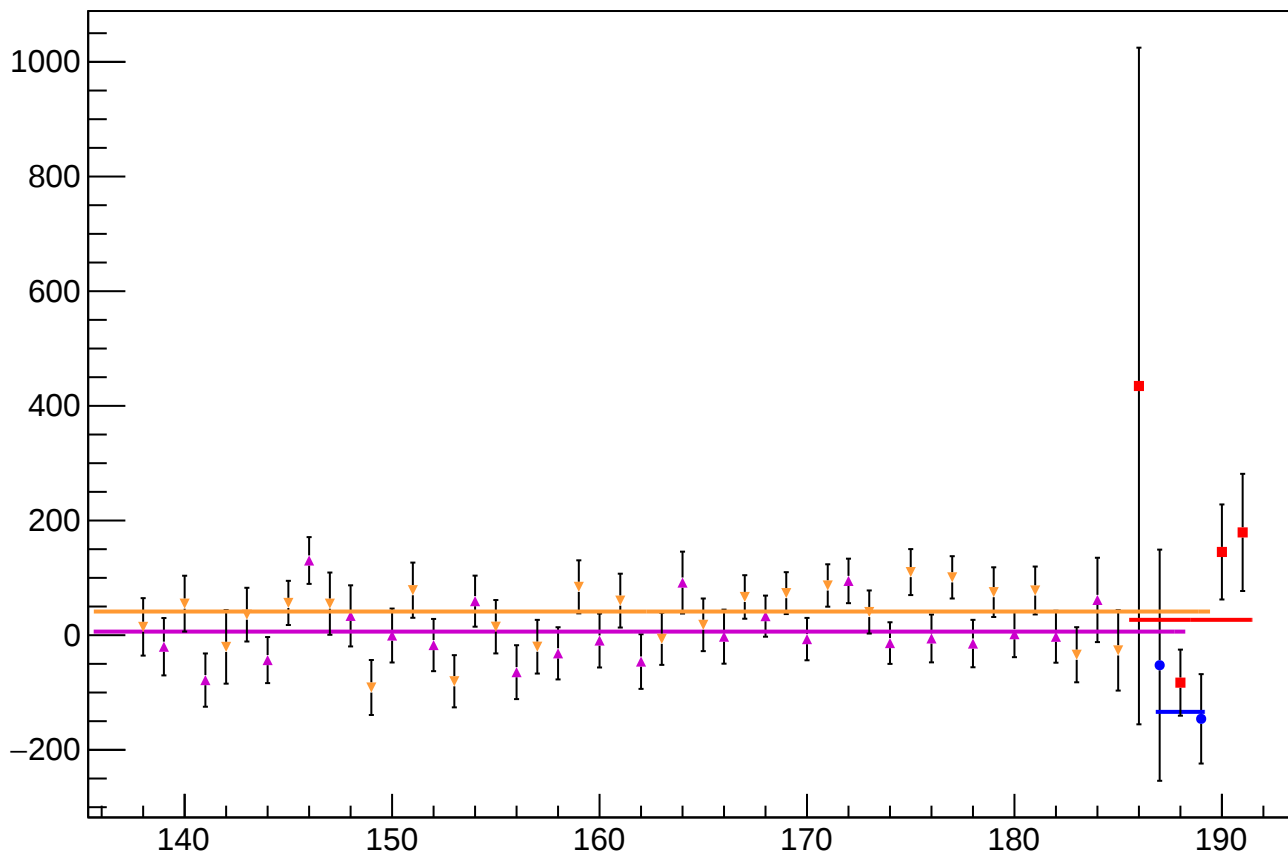
Right: 943.515+/-0.449 χ^2/NDF : 378435.0/5

In: 339.097+/-0.058 χ^2/NDF : 1710838.4/24

Out: 343.681+/-0.057 χ^2/NDF : 3415114.2/28

All: 341.450+/-0.041 χ^2/NDF : 5129151.9/53

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -133.739 $\pm$ 72.724 χ^2 /NDF: 0.2/1

Left Out: 41.283 $\pm$ 8.889 χ^2 /NDF:34.4/24

Right Out: 26.782 $\pm$ 42.819 χ^2 /NDF: 8.4/3

Left In: 6.254 $\pm$ 9.175 χ^2 /NDF:30.3/22

Left: 24.322 $\pm$ 6.384 χ^2 /NDF: 72.2/47

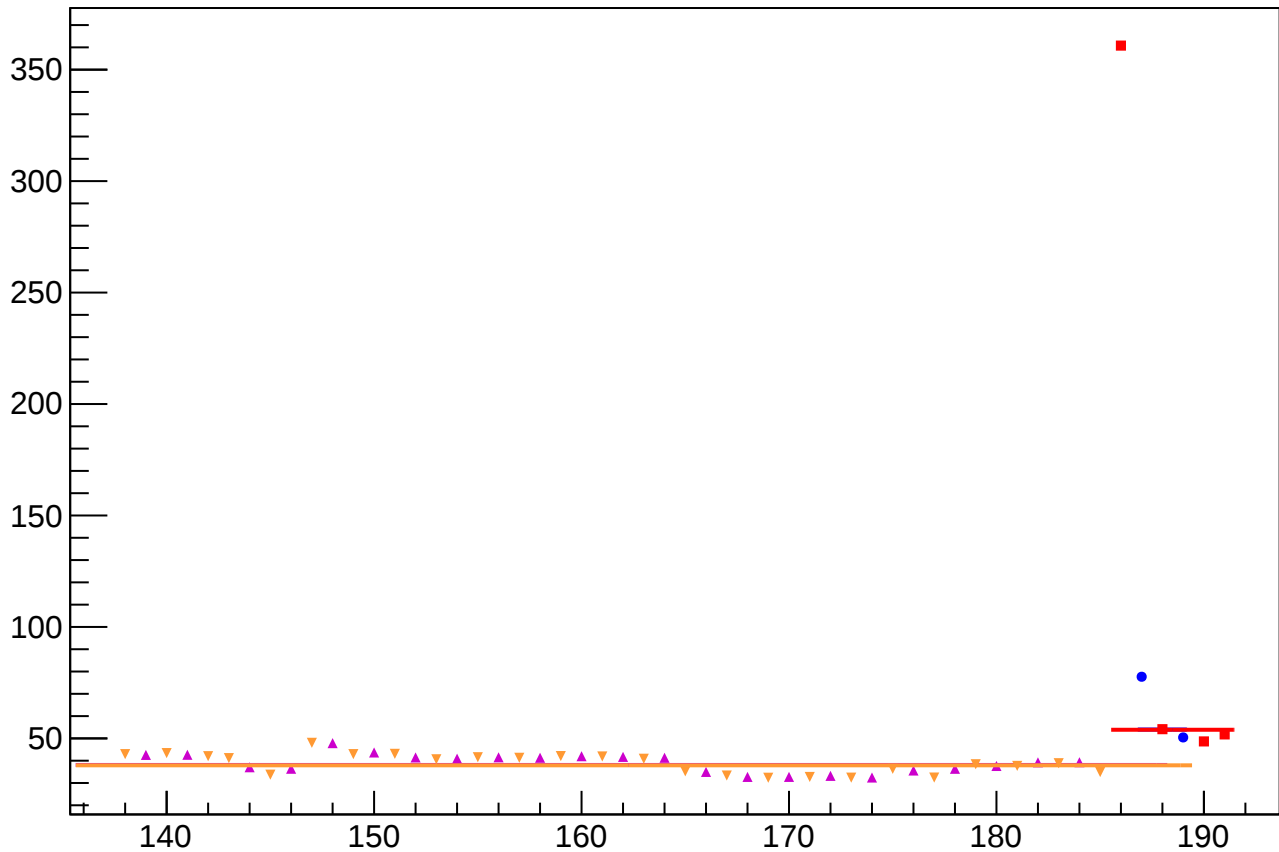
Right: -14.540 $\pm$ 36.898 χ^2 /NDF: 12.2/5

In: 4.061 $\pm$ 9.103 χ^2 /NDF:34.1/24

Out: 40.684 $\pm$ 8.704 χ^2 /NDF:42.8/28

All: 23.192 $\pm$ 6.291 χ^2 /NDF: 85.4/53

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 53.976 $\pm$ 0.051 χ^2 /NDF: 31724.0/1

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 53.875 $\pm$ 0.030 χ^2 /NDF: 549809.4/3

Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

Left: 38.004 $\pm$ 0.005 χ^2 /NDF: 883742.3/47

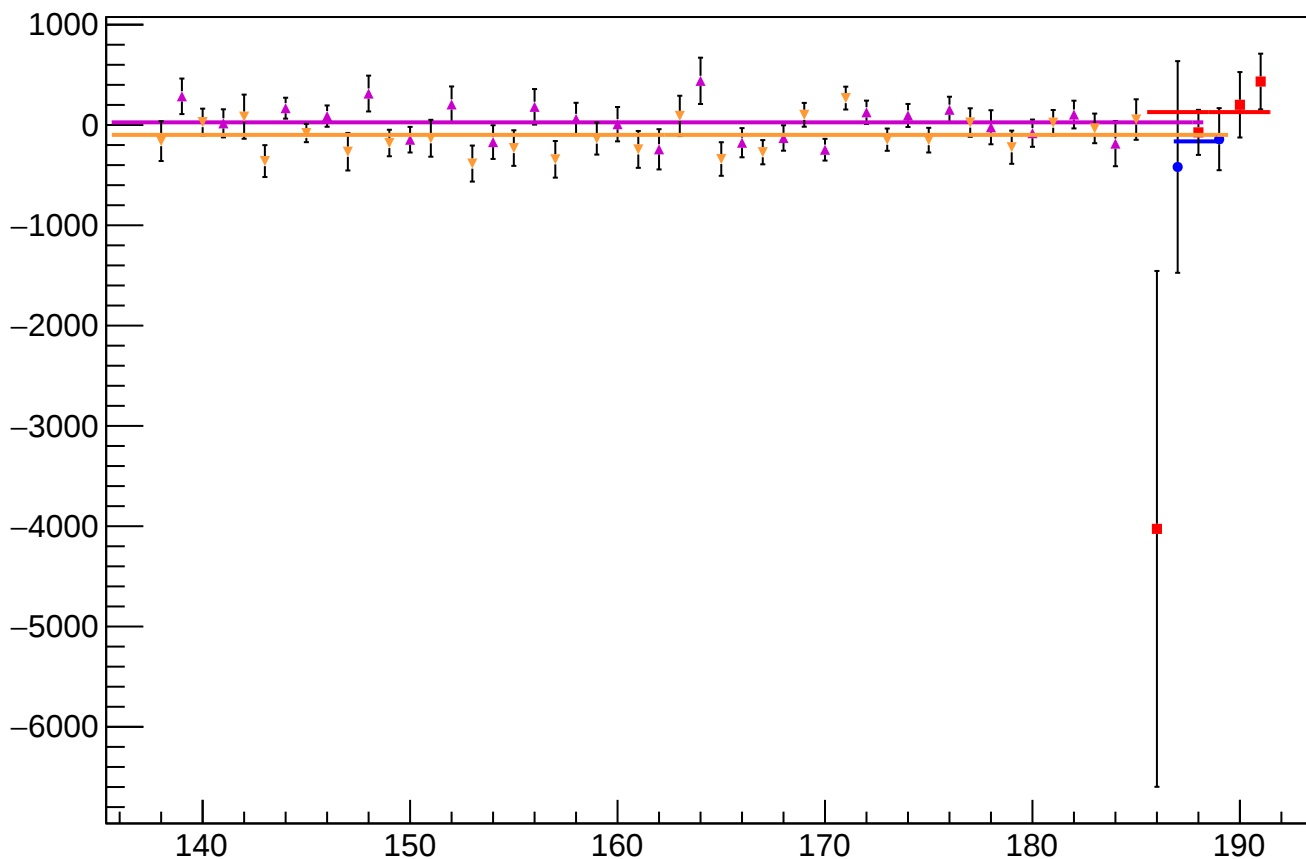
Right: 53.901 $\pm$ 0.026 χ^2 /NDF: 581536.3/5

In: 38.336 $\pm$ 0.006 χ^2 /NDF: 522027.7/24

Out: 38.584 $\pm$ 0.006 χ^2 /NDF: 1302953.8/28

All: 38.466 $\pm$ 0.004 χ^2 /NDF: 1825756.4/53

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -163.374 $\pm$ 296.859 χ^2 /NDF: 0.1/1

Left Out: -98.741 $\pm$ 29.095 χ^2 /NDF:32.7/24

Right Out: 128.435 $\pm$ 153.670 χ^2 /NDF: 4.7/3

Left In: 26.223 $\pm$ 29.676 χ^2 /NDF:30.7/22

Left: -37.493 $\pm$ 20.776 χ^2 /NDF: 72.5/47

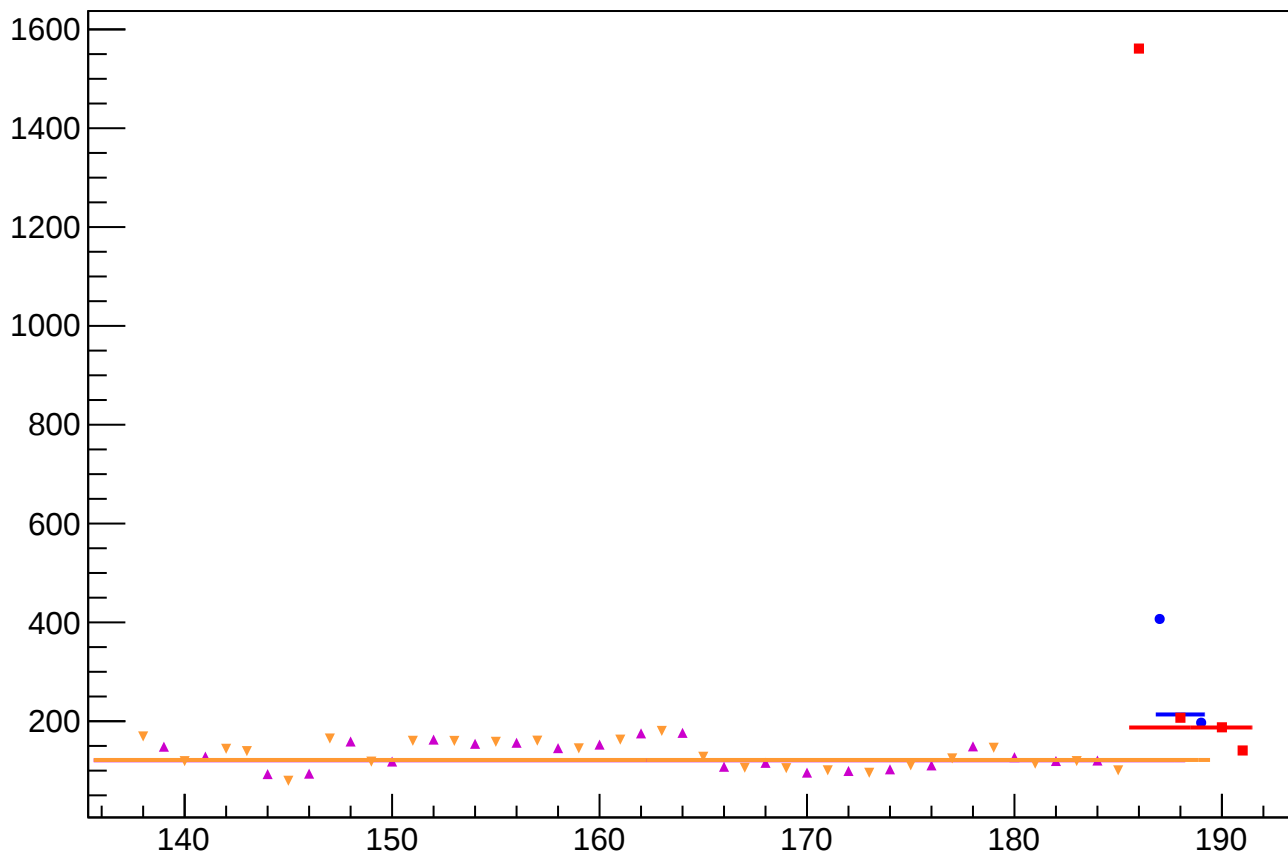
Right: 66.766 $\pm$ 136.469 χ^2 /NDF: 5.5/5

In: 24.347 $\pm$ 29.528 χ^2 /NDF:31.1/24

Out: -90.879 $\pm$ 28.587 χ^2 /NDF:39.5/28

All: -35.131 $\pm$ 20.539 χ^2 /NDF: 78.5/53

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 213.676 $\pm$ 0.210 χ^2 /NDF: 72860.4/1

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF: 1711423.9/24

Right Out: 187.293 $\pm$ 0.109 χ^2 /NDF: 642571.8/3

Left In: 120.927 $\pm$ 0.021 χ^2 /NDF: 1382861.4/22

Left: 121.266 $\pm$ 0.015 χ^2 /NDF: 3094797.5/47

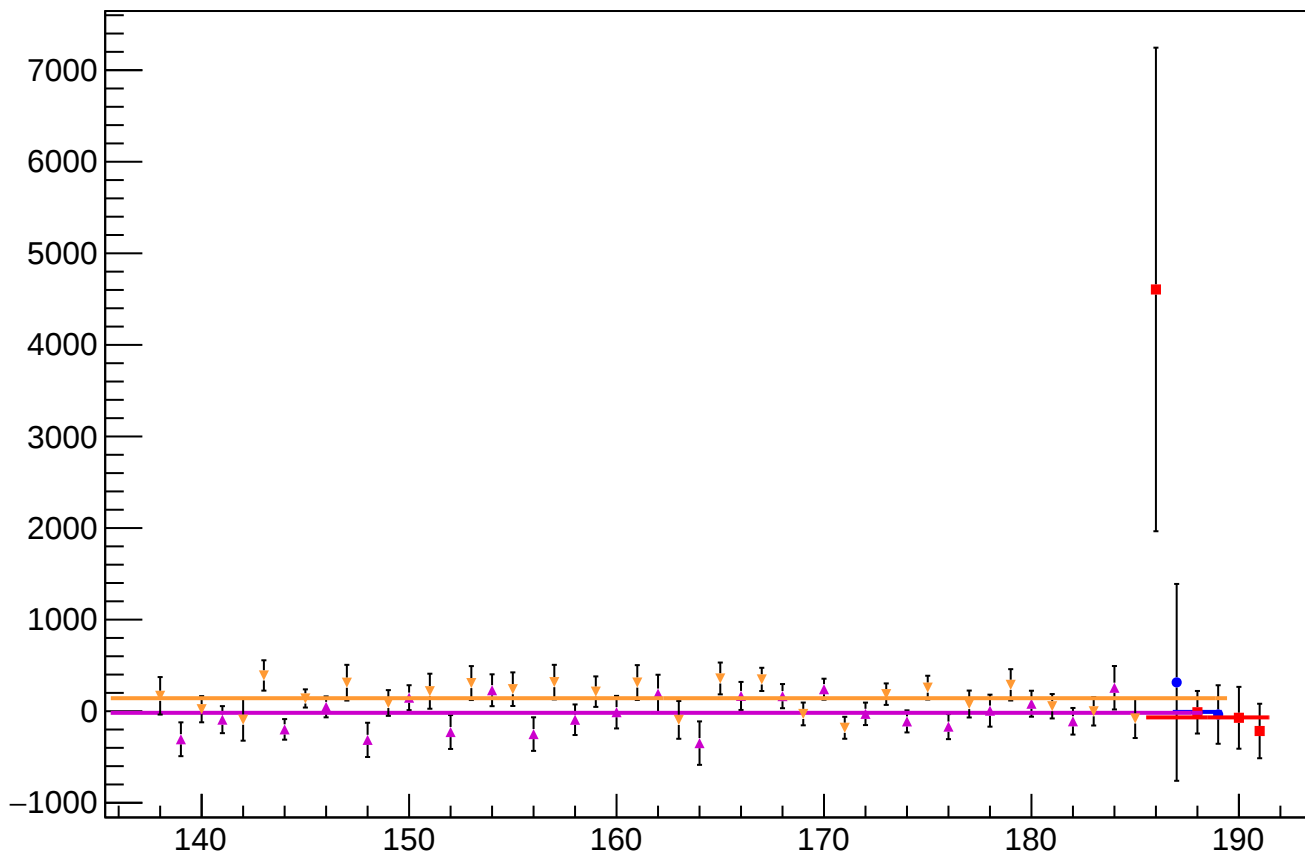
Right: 192.869 $\pm$ 0.096 χ^2 /NDF: 727890.6/5

In: 121.845 $\pm$ 0.021 χ^2 /NDF: 1649021.6/24

Out: 123.866 $\pm$ 0.020 χ^2 /NDF: 2706940.3/28

All: 122.888 $\pm$ 0.015 χ^2 /NDF: 4360799.0/53

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -7.544 ± 306.285 χ^2/NDF : 0.1/1

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: -67.698 ± 160.693 χ^2/NDF : 3.4/3

Left In: -17.679 ± 31.209 χ^2/NDF : 30.1/22

Left: 63.807 ± 21.840 χ^2/NDF : 70.4/47

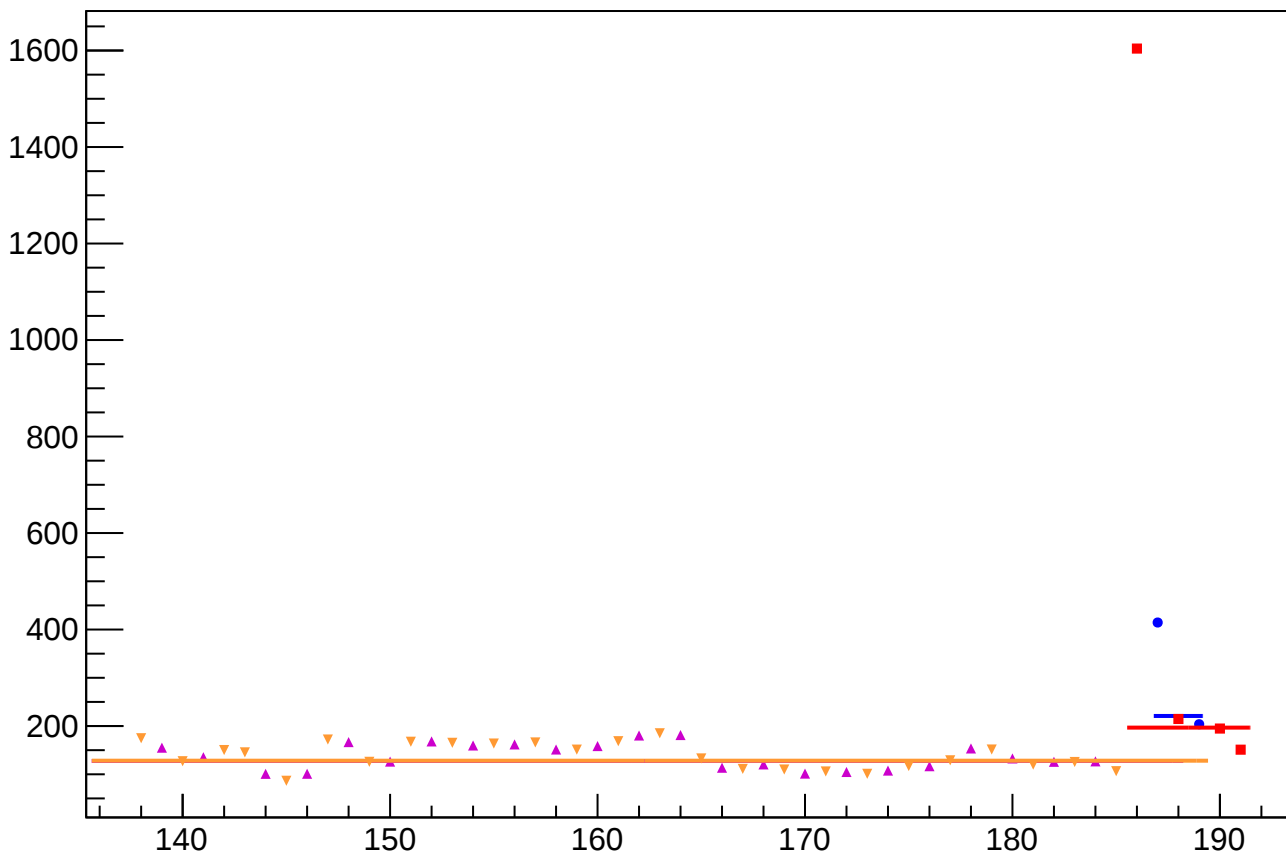
Right: -54.714 ± 142.298 χ^2/NDF : 3.6/5

In: -17.575 ± 31.048 χ^2/NDF : 30.2/24

Out: 134.688 ± 30.035 χ^2/NDF : 32.0/28

All: 61.079 ± 21.587 χ^2/NDF : 74.6/53

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 220.882 $\pm$ 0.217 χ^2/NDF : 70683.2/1

Left Out: 128.175 $\pm$ 0.022 χ^2/NDF : 1532922.0/24

Right Out: 196.731 $\pm$ 0.114 χ^2/NDF : 627414.2/3

Left In: 127.544 $\pm$ 0.022 χ^2/NDF : 1235705.3/22

Left: 127.866 $\pm$ 0.015 χ^2/NDF : 2769045.1/47

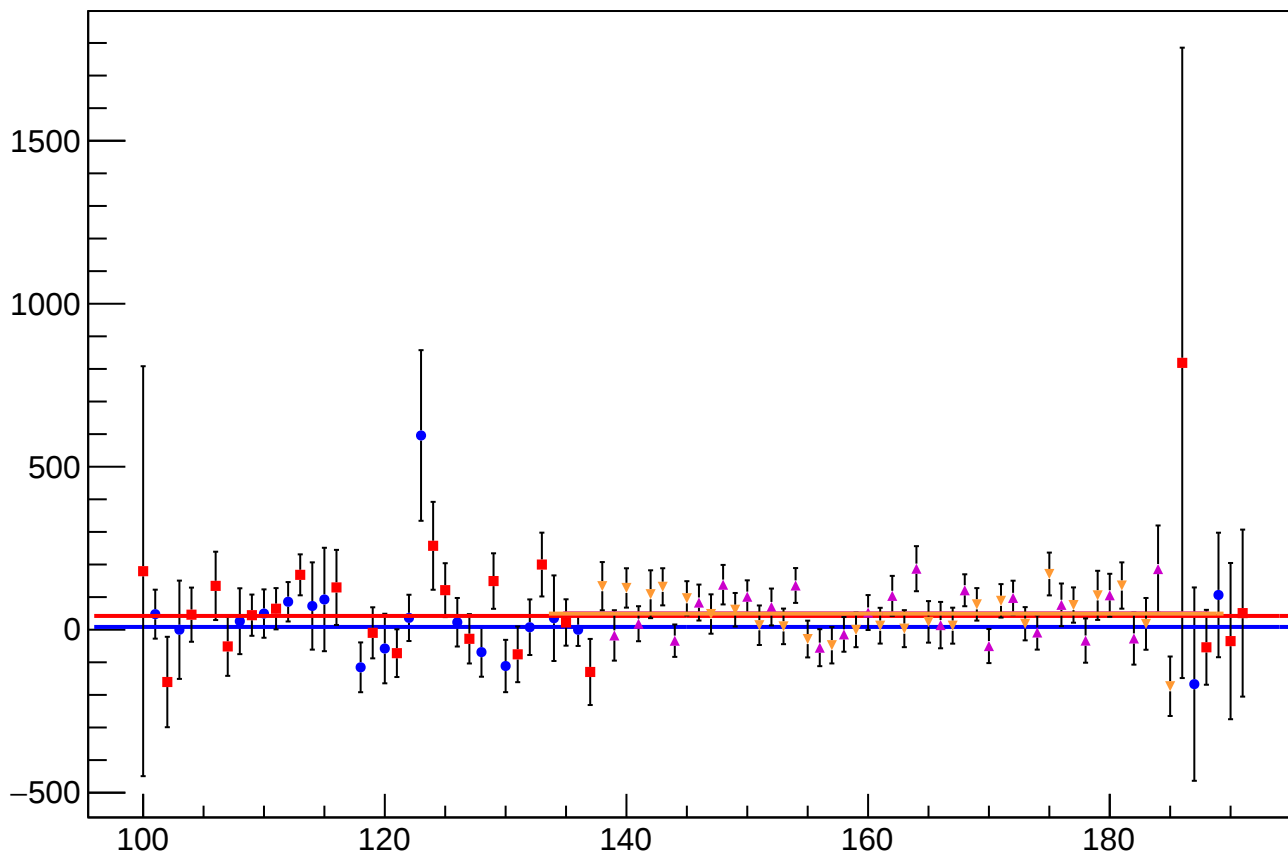
Right: 201.944 $\pm$ 0.101 χ^2/NDF : 707848.5/5

In: 128.503 $\pm$ 0.022 χ^2/NDF : 1490217.4/24

Out: 130.570 $\pm$ 0.021 χ^2/NDF : 2511640.4/28

All: 129.571 $\pm$ 0.015 χ^2/NDF : 4006438.4/53

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 8.460 ± 20.028 $\chi^2/\text{NDF}: 15.0/18$

Left Out: 49.402 ± 11.806 $\chi^2/\text{NDF}: 28.1/24$

Right Out: 42.234 ± 19.068 $\chi^2/\text{NDF}: 26.4/22$

Left In: 50.331 ± 12.253 $\chi^2/\text{NDF}: 32.2/22$

Left: 49.849 ± 8.502 $\chi^2/\text{NDF}: 60.3/47$

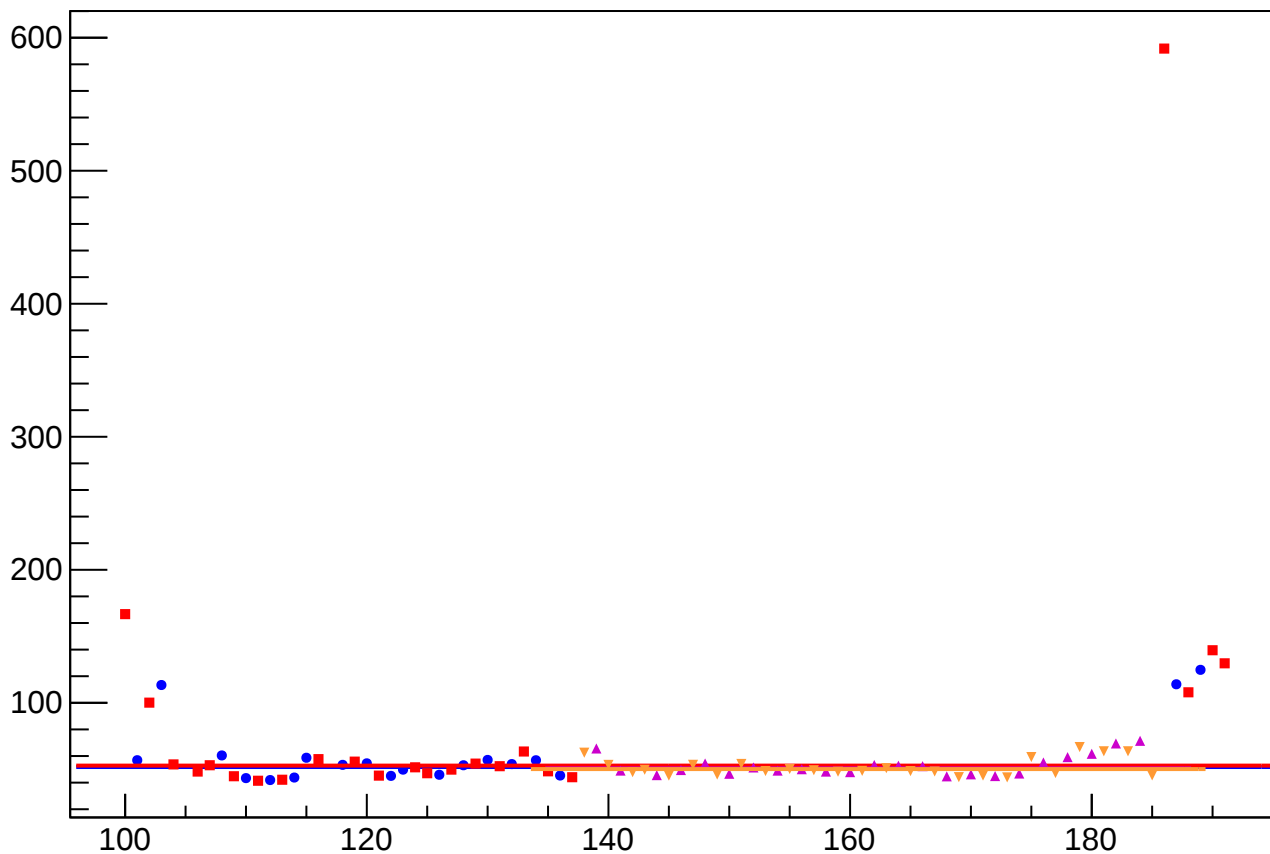
Right: 26.176 ± 13.810 $\chi^2/\text{NDF}: 42.9/41$

In: 38.927 ± 10.452 $\chi^2/\text{NDF}: 50.3/41$

Out: 47.416 ± 10.037 $\chi^2/\text{NDF}: 54.6/47$

All: 43.343 ± 7.240 $\chi^2/\text{NDF}: 105.3/89$

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 51.741 $\pm$ 0.014 χ^2 /NDF: 906771.4/18

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 52.793 $\pm$ 0.013 χ^2 /NDF: 2066871.2/22

Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

Left: 50.427 $\pm$ 0.006 χ^2 /NDF: 938655.0/47

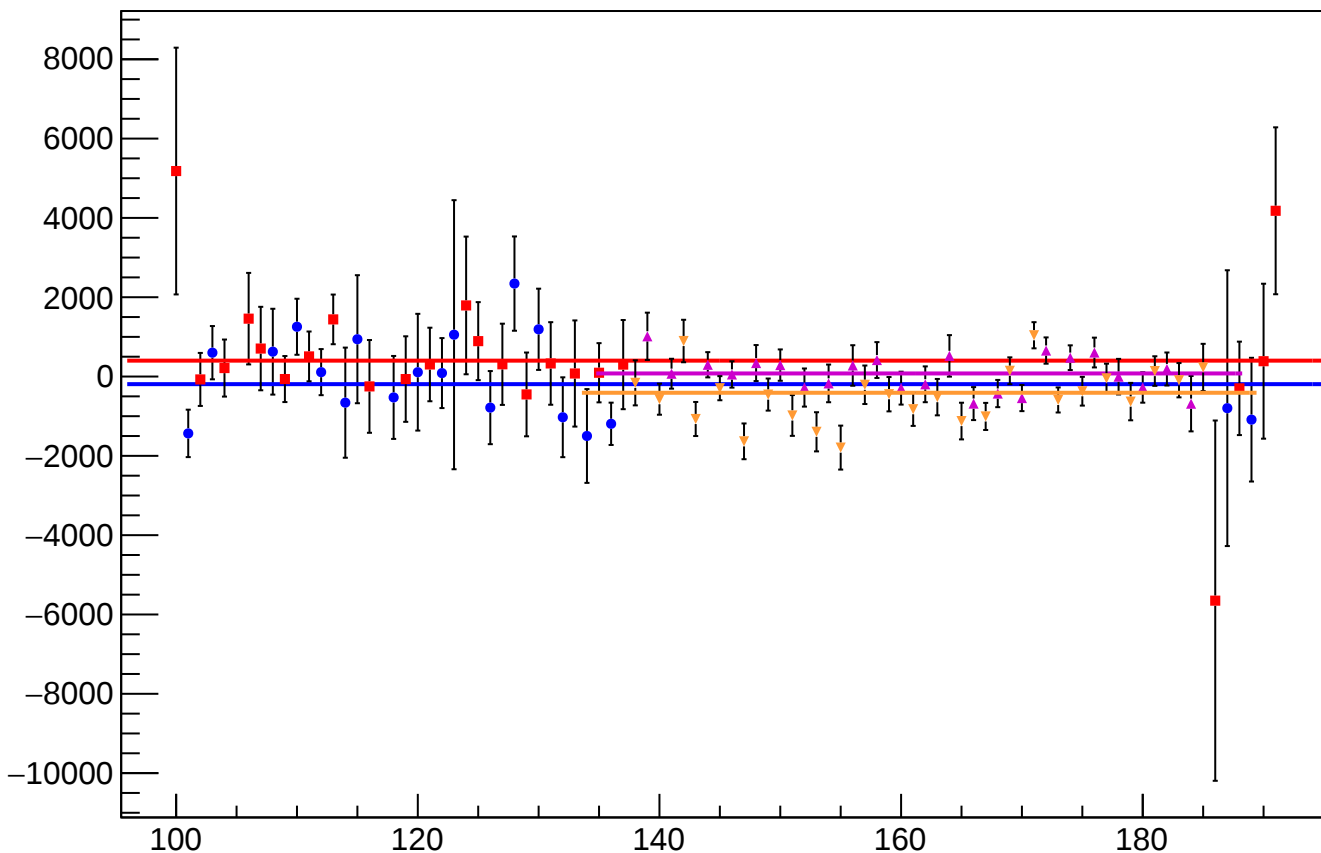
Right: 52.293 $\pm$ 0.010 χ^2 /NDF: 2976534.6/41

In: 50.971 $\pm$ 0.007 χ^2 /NDF: 1380127.1/41

Out: 50.911 $\pm$ 0.007 χ^2 /NDF: 2561504.5/47

All: 50.940 $\pm$ 0.005 χ^2 /NDF: 3941666.5/89

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -191.928 ± 208.400 $\chi^2/\text{NDF}: 24.3/18$

Left Out: -409.164 ± 82.348 $\chi^2/\text{NDF}: 61.7/24$

Right Out: 400.804 ± 198.904 $\chi^2/\text{NDF}: 14.9/22$

Left In: 77.872 ± 84.072 $\chi^2/\text{NDF}: 24.8/22$

Left: -170.691 ± 58.829 $\chi^2/\text{NDF}: 103.6/47$

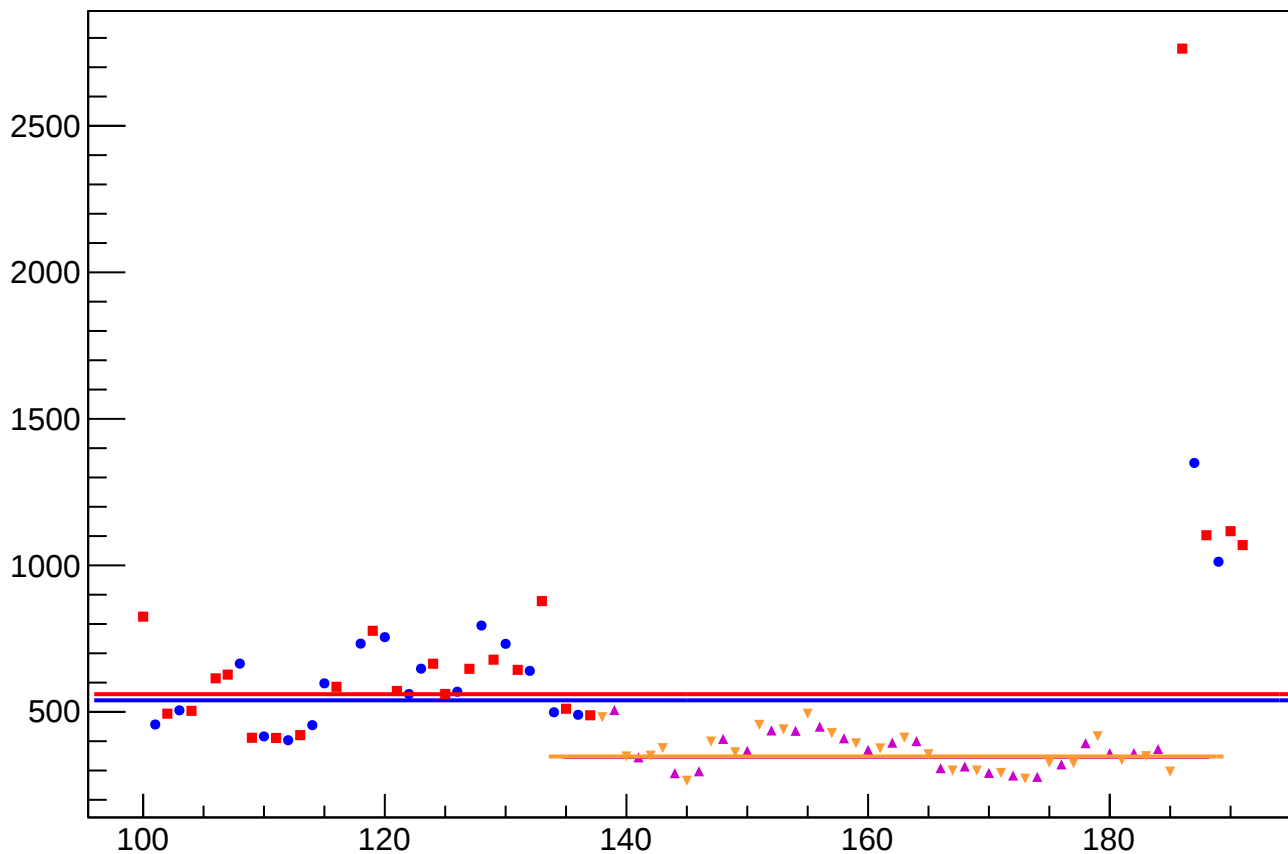
Right: 118.250 ± 143.886 $\chi^2/\text{NDF}: 43.5/41$

In: 40.109 ± 77.967 $\chi^2/\text{NDF}: 50.6/41$

Out: -290.646 ± 76.085 $\chi^2/\text{NDF}: 90.8/47$

All: -129.308 ± 54.454 $\chi^2/\text{NDF}: 150.6/89$

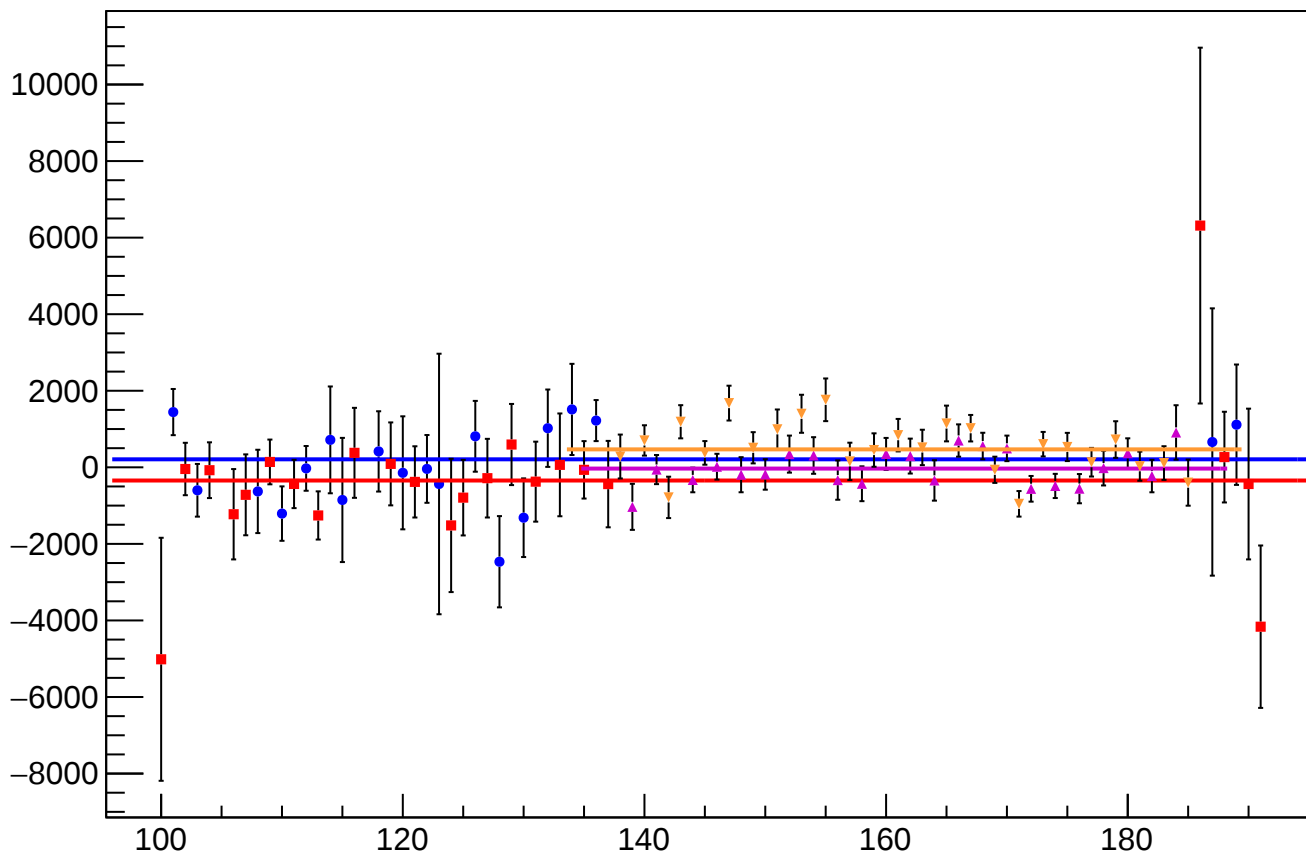
asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 539.472+/-0.147 χ^2/NDF : 861944.5/18
 Left Out: 347.875+/-0.058 χ^2/NDF :1044096.7/24
 Right Out: 560.455+/-0.141 χ^2/NDF : 1846930.1/22
 Left In: 345.954+/-0.059 χ^2/NDF :900847.0/22

Left: 346.935+/-0.042 χ^2/NDF : 1945476.7/47
 Right: 550.452+/-0.102 χ^2/NDF : 2719484.9/41
 In: 373.040+/-0.055 χ^2/NDF :3245957.4/41
 Out: 378.981+/-0.054 χ^2/NDF :4841224.8/47
 All: 376.083+/-0.039 χ^2/NDF : 8093129.3/89

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 209.088 $\pm$ 209.870 χ^2 /NDF: 24.5/18

Left Out: 468.863 $\pm$ 83.295 χ^2 /NDF:57.5/24

Right Out: -344.516 $\pm$ 200.435 χ^2 /NDF: 13.8/22

Left In: -32.801 $\pm$ 85.064 χ^2 /NDF:25.7/22

Left: 223.299 $\pm$ 59.514 χ^2 /NDF: 100.9/47

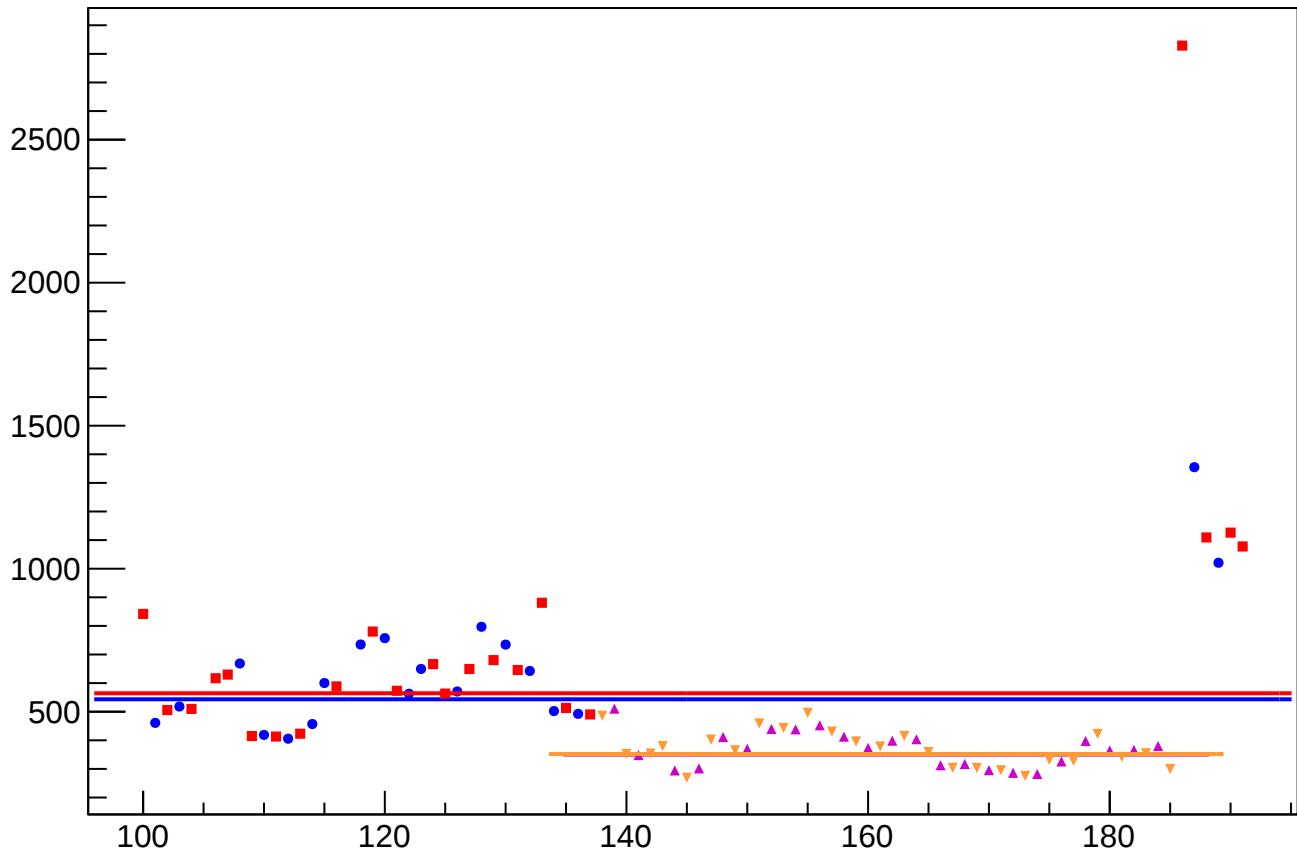
Right: -80.437 $\pm$ 144.950 χ^2 /NDF: 41.9/41

In: 1.330 $\pm$ 78.834 χ^2 /NDF:51.3/41

Out: 349.079 $\pm$ 76.918 χ^2 /NDF:85.3/47

All: 179.482 $\pm$ 55.054 χ^2 /NDF: 146.6/89

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 543.451+/-0.148 χ^2/NDF : 854377.5/18

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 564.501+/-0.142 χ^2/NDF : 1843253.0/22

Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

Left: 351.107+/-0.042 χ^2/NDF : 1896060.8/47

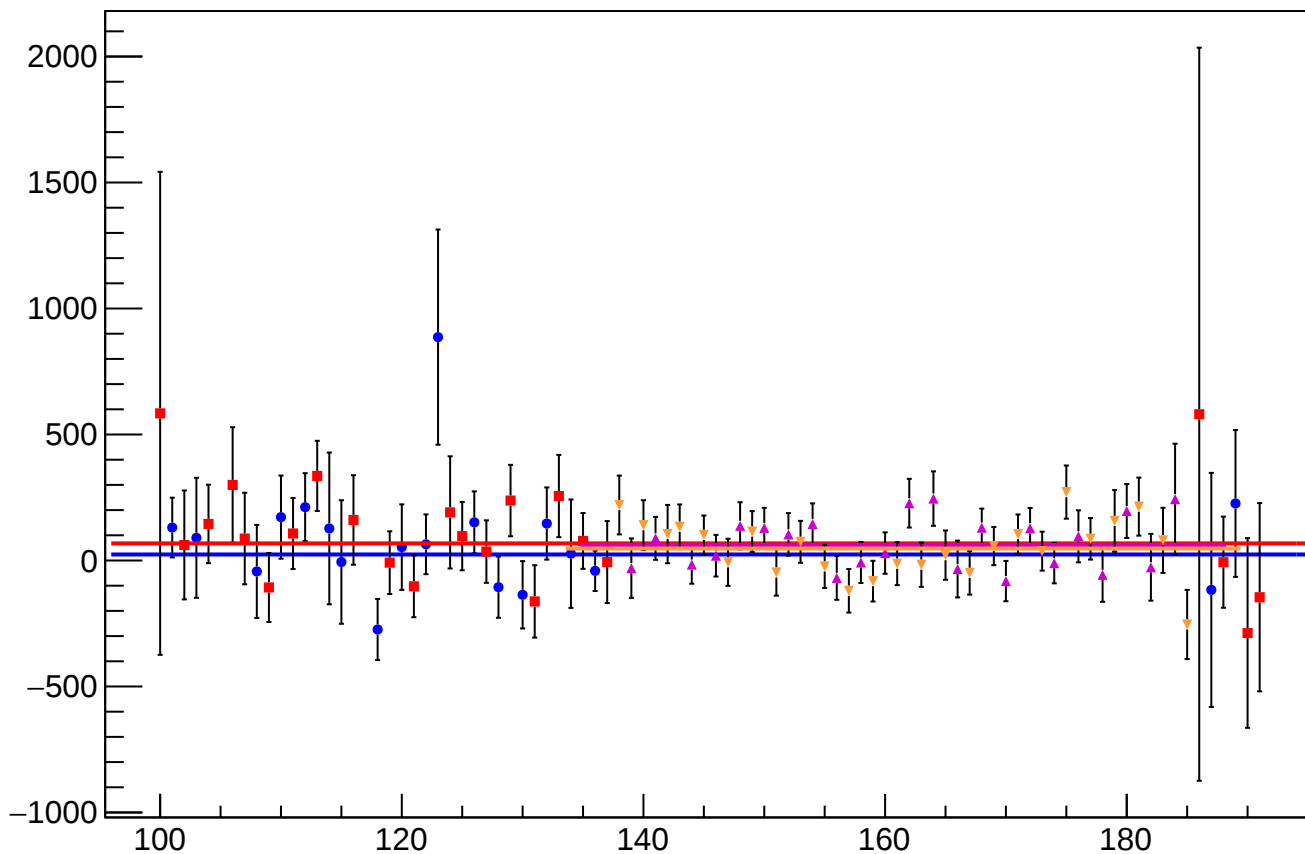
Right: 554.460+/-0.102 χ^2/NDF : 2708153.0/41

In: 377.434+/-0.056 χ^2/NDF : 3189879.8/41

Out: 383.307+/-0.054 χ^2/NDF : 4777168.8/47

All: 380.443+/-0.039 χ^2/NDF : 7972735.5/89

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 23.911 $\pm$ 34.302 χ^2 /NDF: 19.8/18

Left Out: 47.426 $\pm$ 18.253 χ^2 /NDF:29.4/24

Right Out: 67.845 $\pm$ 33.884 χ^2 /NDF: 17.0/22

Left In: 61.830 $\pm$ 18.958 χ^2 /NDF:24.0/22

Left: 54.355 $\pm$ 13.149 χ^2 /NDF: 53.7/47

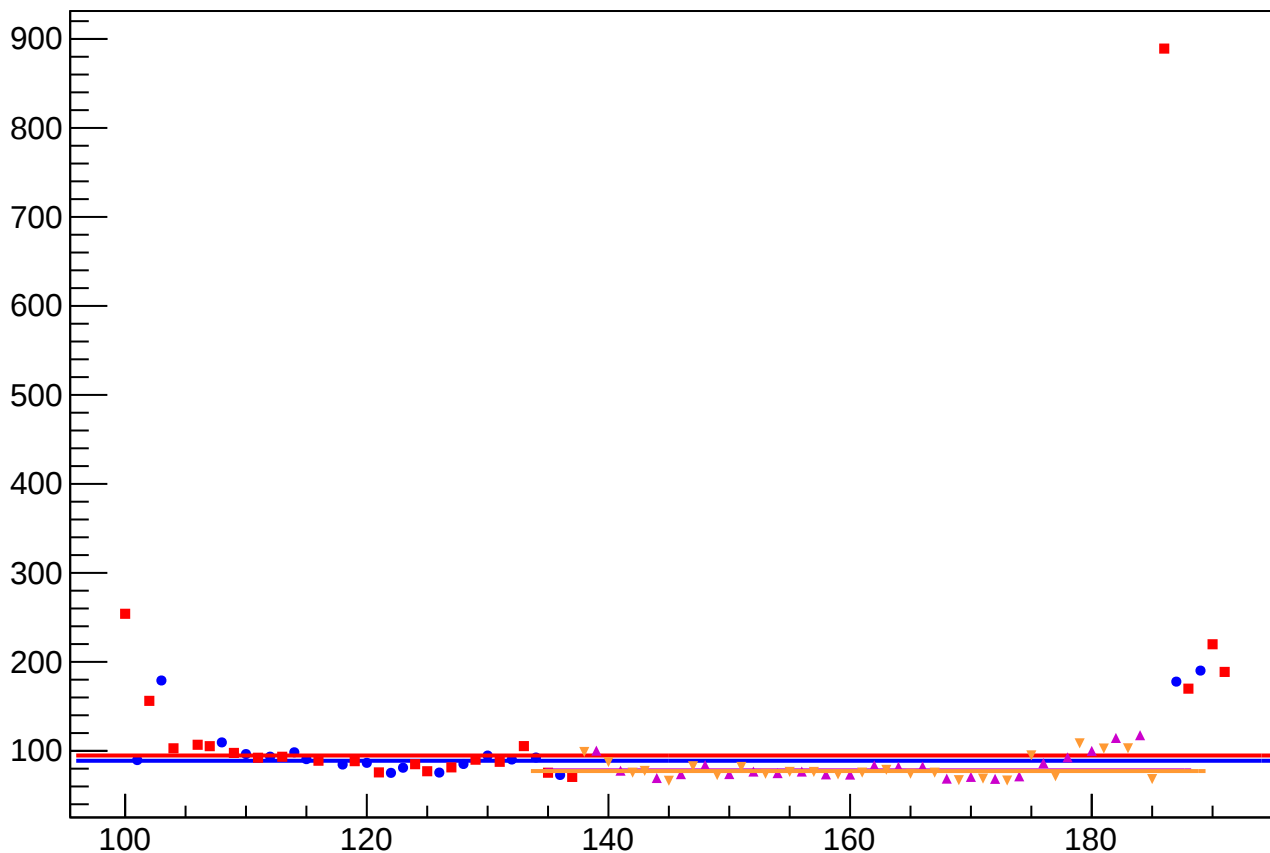
Right: 46.147 $\pm$ 24.106 χ^2 /NDF: 37.6/41

In: 52.957 $\pm$ 16.592 χ^2 /NDF:44.7/41

Out: 52.018 $\pm$ 16.069 χ^2 /NDF:46.7/47

All: 52.473 $\pm$ 11.543 χ^2 /NDF: 91.4/89

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 88.875 $\pm$ 0.024 χ^2 /NDF: 774946.5/18

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF: 635622.3/24

Right Out: 94.793 $\pm$ 0.024 χ^2 /NDF: 1760829.0/22

Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

Left: 77.712 $\pm$ 0.009 χ^2 /NDF: 1219684.1/47

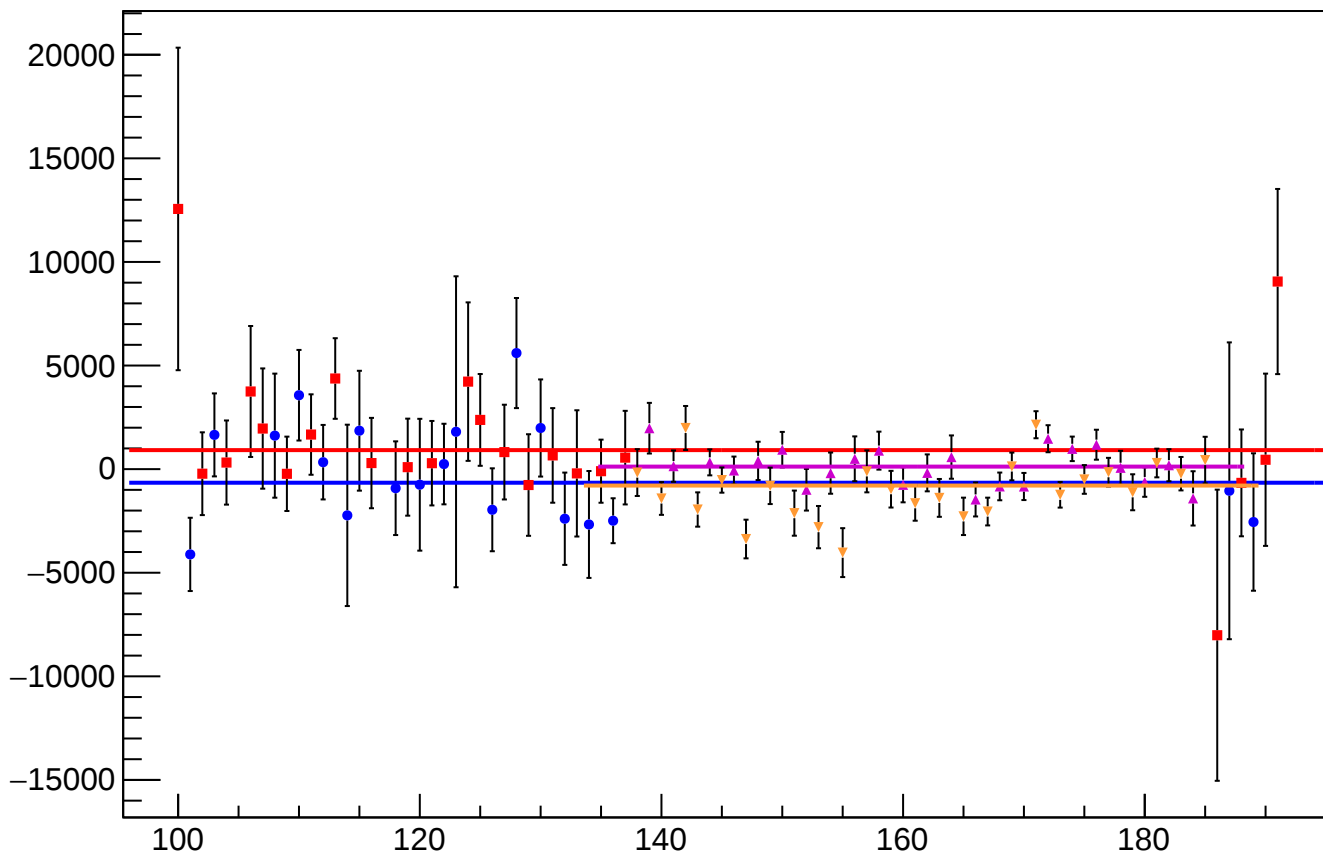
Right: 91.870 $\pm$ 0.017 χ^2 /NDF: 2565901.8/41

In: 80.651 $\pm$ 0.012 χ^2 /NDF: 1507145.9/41

Out: 81.247 $\pm$ 0.011 χ^2 /NDF: 2808830.3/47

All: 80.958 $\pm$ 0.008 χ^2 /NDF: 4317308.1/89

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -656.024 ± 510.704 $\chi^2/\text{NDF}: 22.6/18$

Left Out: -792.776 ± 162.659 $\chi^2/\text{NDF}: 66.6/24$

Right Out: 917.761 ± 497.659 $\chi^2/\text{NDF}: 15.2/22$

Left In: 122.198 ± 166.193 $\chi^2/\text{NDF}: 25.9/22$

Left: -345.122 ± 116.247 $\chi^2/\text{NDF}: 108.0/47$

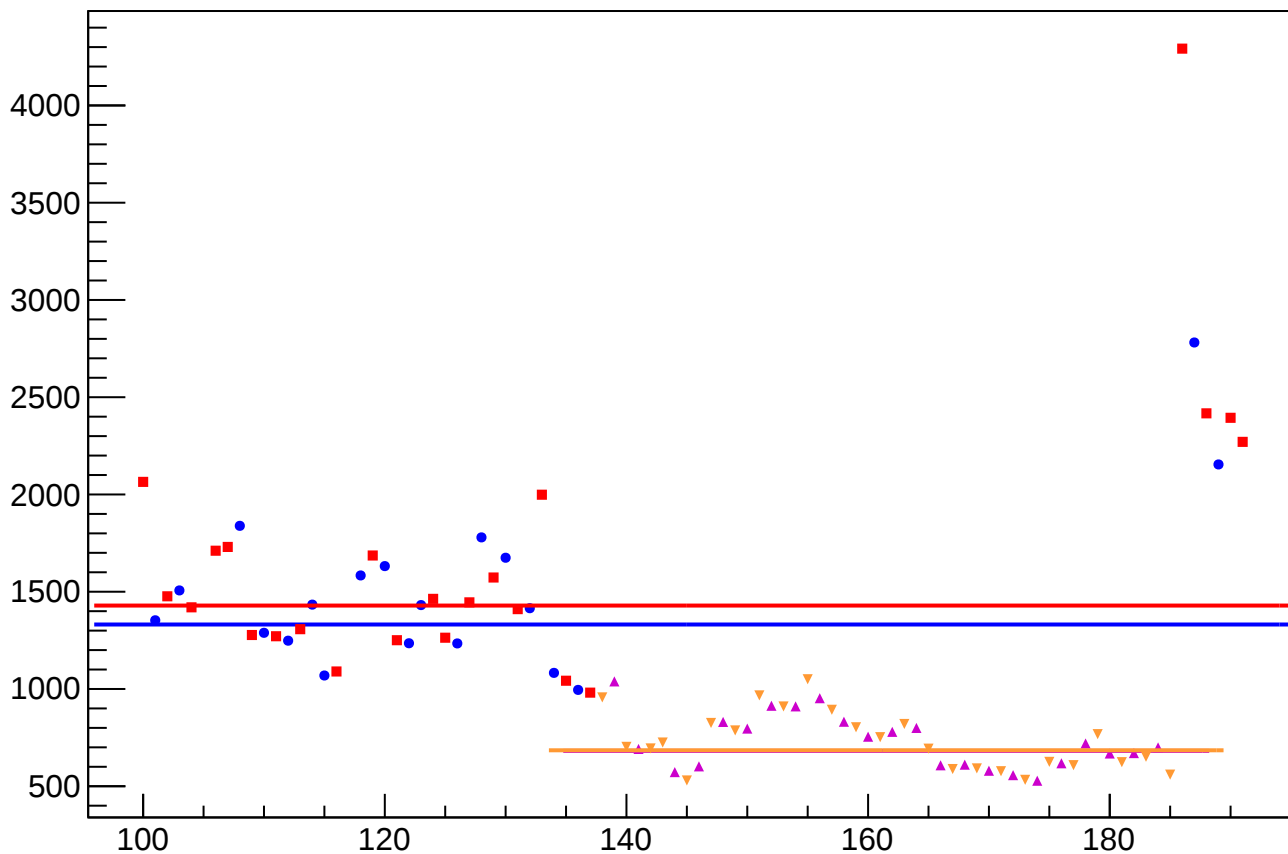
Right: 151.226 ± 356.421 $\chi^2/\text{NDF}: 42.7/41$

In: 47.677 ± 158.036 $\chi^2/\text{NDF}: 50.7/41$

Out: -627.677 ± 154.610 $\chi^2/\text{NDF}: 92.5/47$

All: -297.400 ± 110.517 $\chi^2/\text{NDF}: 152.5/89$

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1331.489 $\pm$ 0.361 χ^2 /NDF: 666801.6/18

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF:1280146.2/24

Right Out: 1428.888 $\pm$ 0.352 χ^2 /NDF: 1275671.9/22

Left In: 681.712 $\pm$ 0.118 χ^2 /NDF:1119637.0/22

Left: 683.282 $\pm$ 0.082 χ^2 /NDF: 2400132.5/47

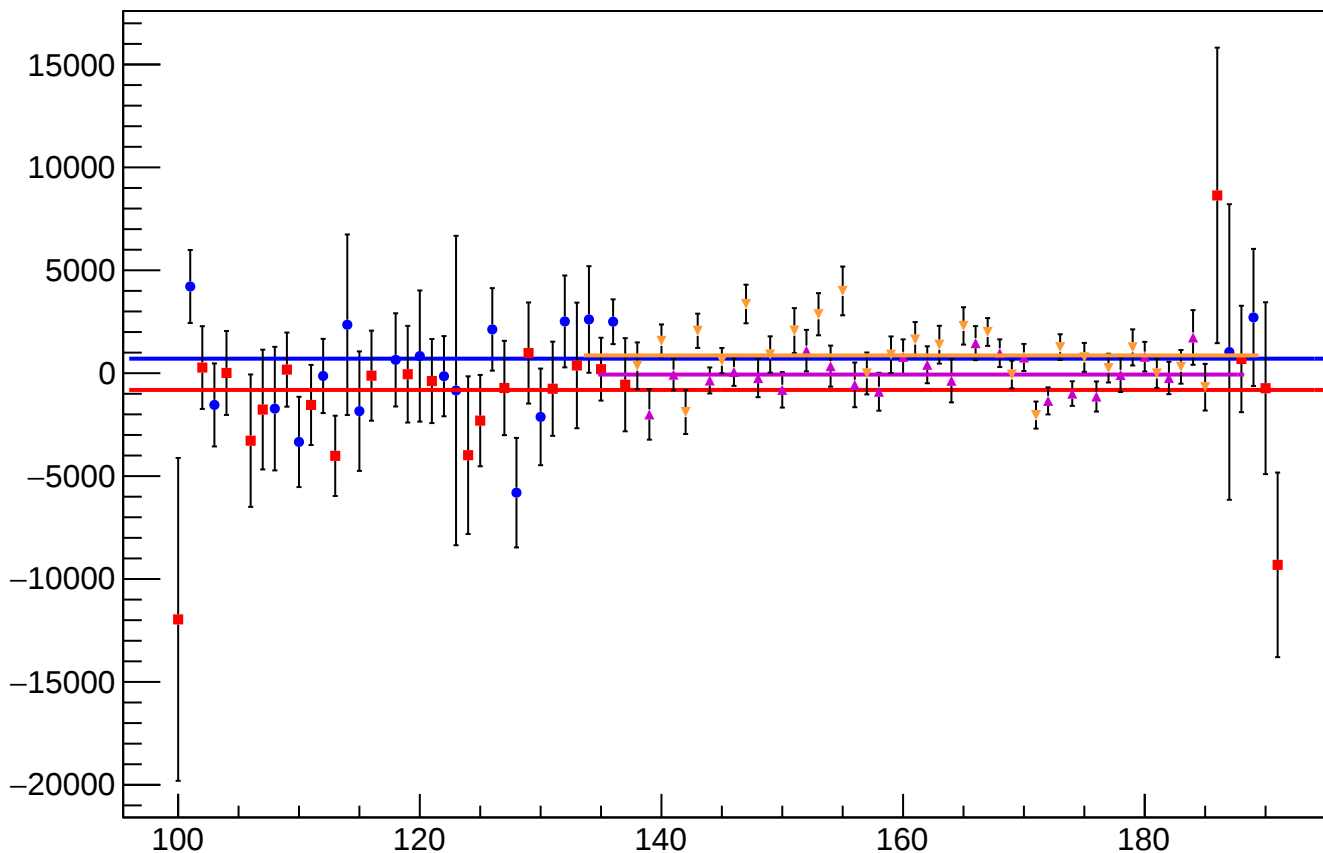
Right: 1381.449 $\pm$ 0.252 χ^2 /NDF: 1979786.6/41

In: 743.933 $\pm$ 0.112 χ^2 /NDF:4713988.3/41

Out: 756.605 $\pm$ 0.109 χ^2 /NDF:6595549.4/47

All: 750.408 $\pm$ 0.078 χ^2 /NDF: 11316107.6/89

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 706.250+/-512.173 χ^2/NDF : 22.8/18

Left Out: 865.597+/-163.885 χ^2/NDF : 62.8/24

Right Out: -812.770+/-499.355 χ^2/NDF : 14.5/22

Left In: -65.924+/-167.485 χ^2/NDF : 26.4/22

Left: 409.953+/-117.136 χ^2/NDF : 105.1/47

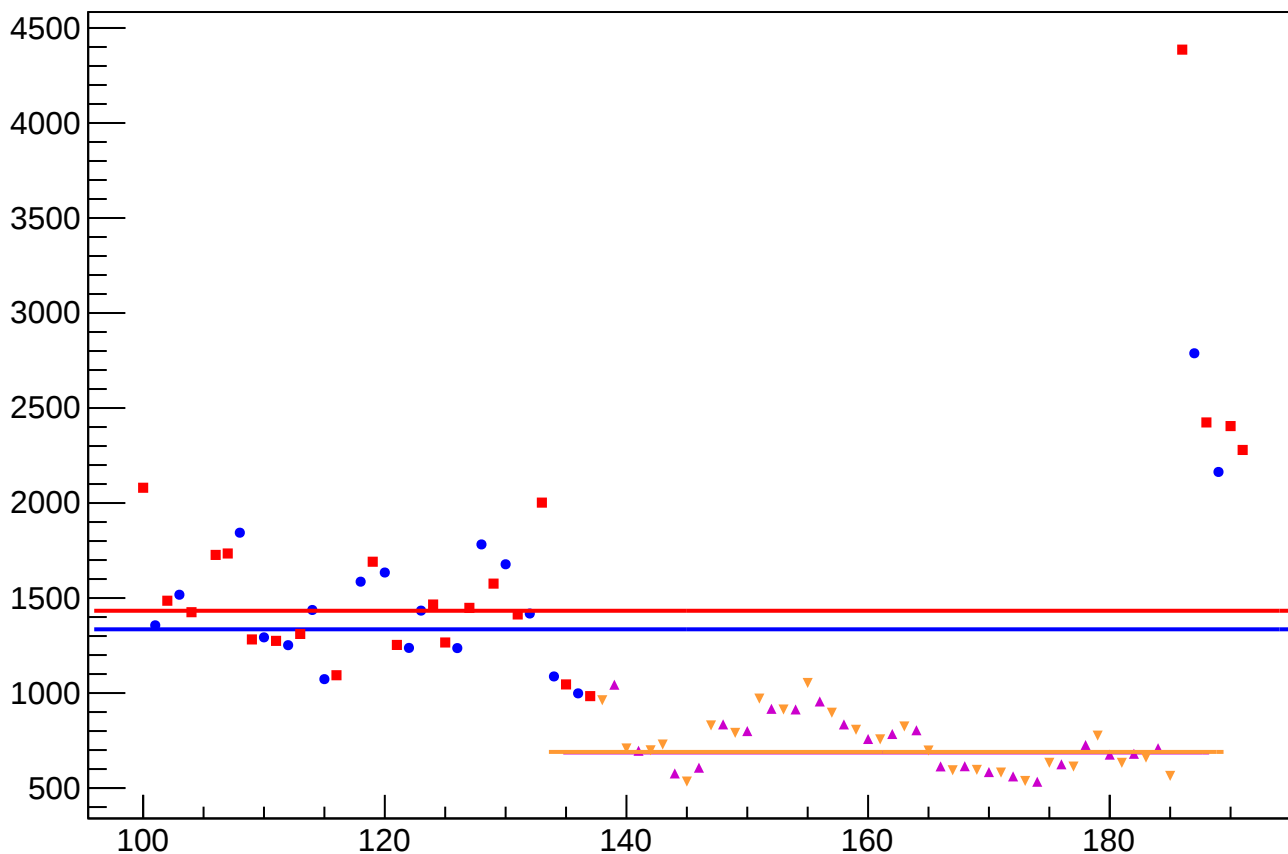
Right: -72.507+/-357.543 χ^2/NDF : 41.8/41

In: 8.671+/-159.189 χ^2/NDF : 51.3/41

Out: 702.396+/-155.714 χ^2/NDF : 87.5/47

All: 363.189+/-111.315 χ^2/NDF : 148.5/89

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1335.361 $\pm$ 0.362 χ^2 /NDF: 666406.7/18

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF:1258158.2/24

Right Out: 1433.011 $\pm$ 0.353 χ^2 /NDF: 1283723.7/22

Left In: 687.216 $\pm$ 0.118 χ^2 /NDF:1099706.1/22

Left: 688.723 $\pm$ 0.083 χ^2 /NDF: 2358181.3/47

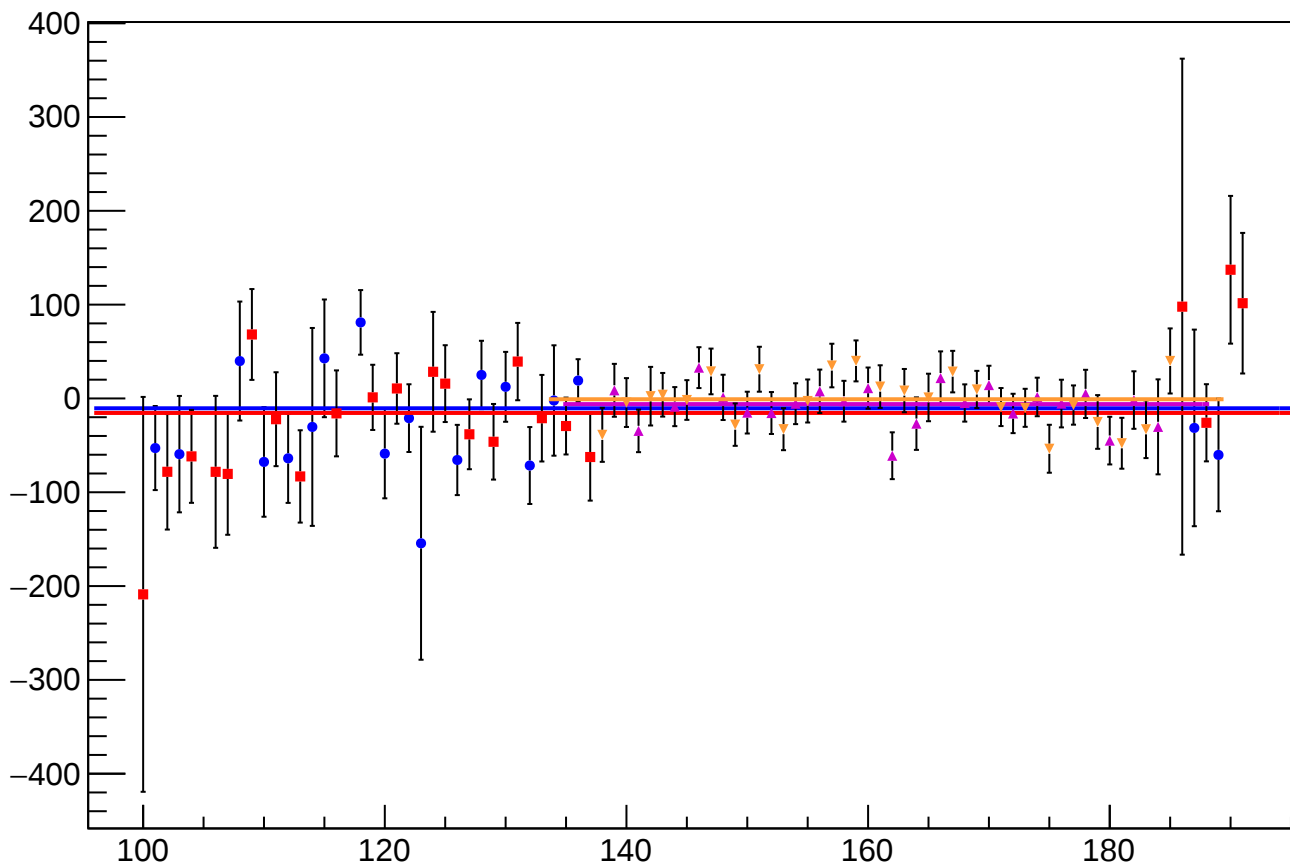
Right: 1385.423 $\pm$ 0.253 χ^2 /NDF: 1987402.4/41

In: 749.830 $\pm$ 0.113 χ^2 /NDF:4659578.3/41

Out: 762.399 $\pm$ 0.110 χ^2 /NDF:6537477.6/47

All: 756.253 $\pm$ 0.079 χ^2 /NDF: 11203428.0/89

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -10.494 ± 10.220 $\chi^2/\text{NDF}: 22.8/18$

Left Out: -0.861 ± 4.760 $\chi^2/\text{NDF}: 27.9/24$

Right Out: -15.467 ± 9.966 $\chi^2/\text{NDF}: 21.4/22$

Left In: -6.042 ± 4.925 $\chi^2/\text{NDF}: 16.9/22$

Left: -3.363 ± 3.423 $\chi^2/\text{NDF}: 45.4/47$

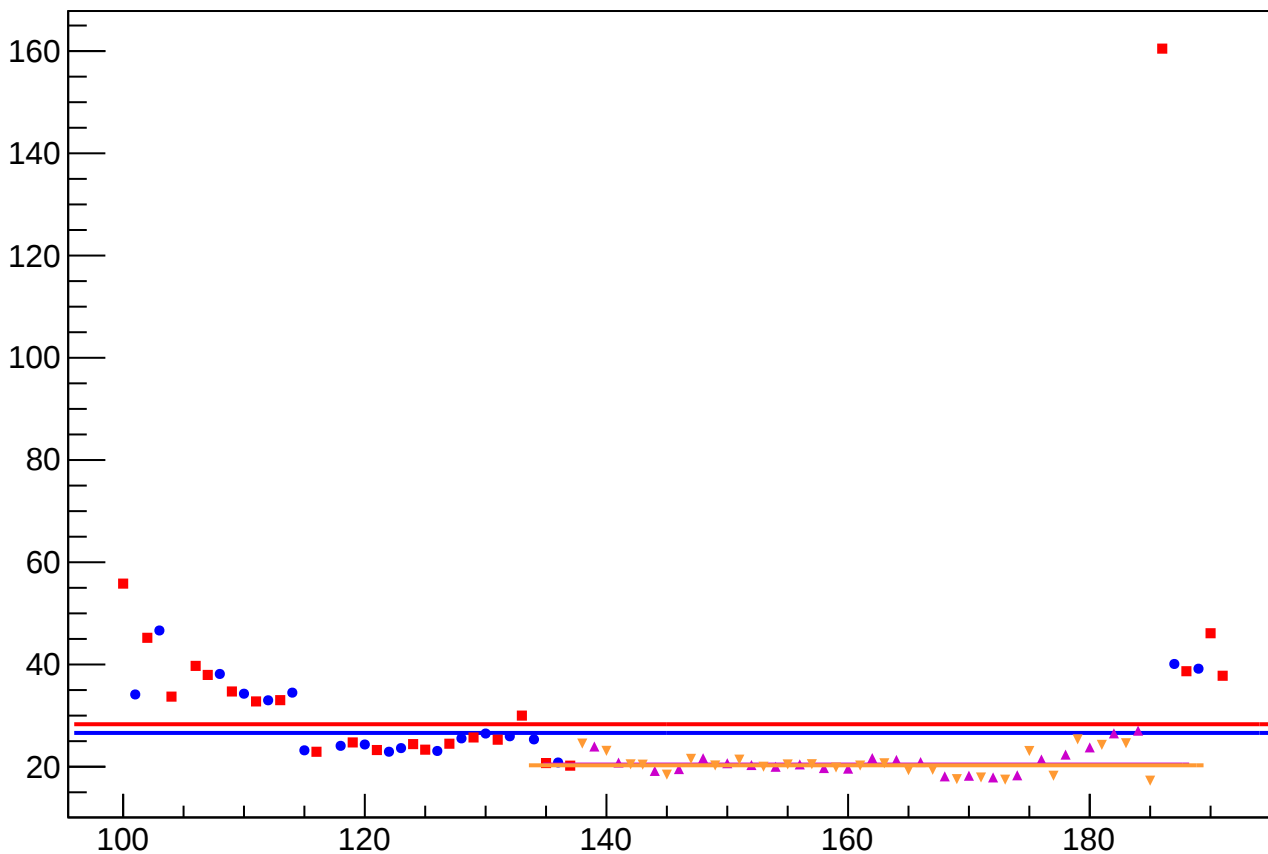
Right: -13.043 ± 7.135 $\chi^2/\text{NDF}: 44.3/41$

In: -6.881 ± 4.437 $\chi^2/\text{NDF}: 39.9/41$

Out: -3.574 ± 4.295 $\chi^2/\text{NDF}: 51.1/47$

All: -5.174 ± 3.086 $\chi^2/\text{NDF}: 91.3/89$

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.612 $\pm$ 0.007 χ^2 /NDF: 727094.9/18

Left Out: 20.279 $\pm$ 0.003 χ^2 /NDF: 407056.4/24

Right Out: 28.314 $\pm$ 0.007 χ^2 /NDF: 1474025.8/22

Left In: 20.424 $\pm$ 0.003 χ^2 /NDF: 323427.4/22

Left: 20.349 $\pm$ 0.002 χ^2 /NDF: 731373.7/47

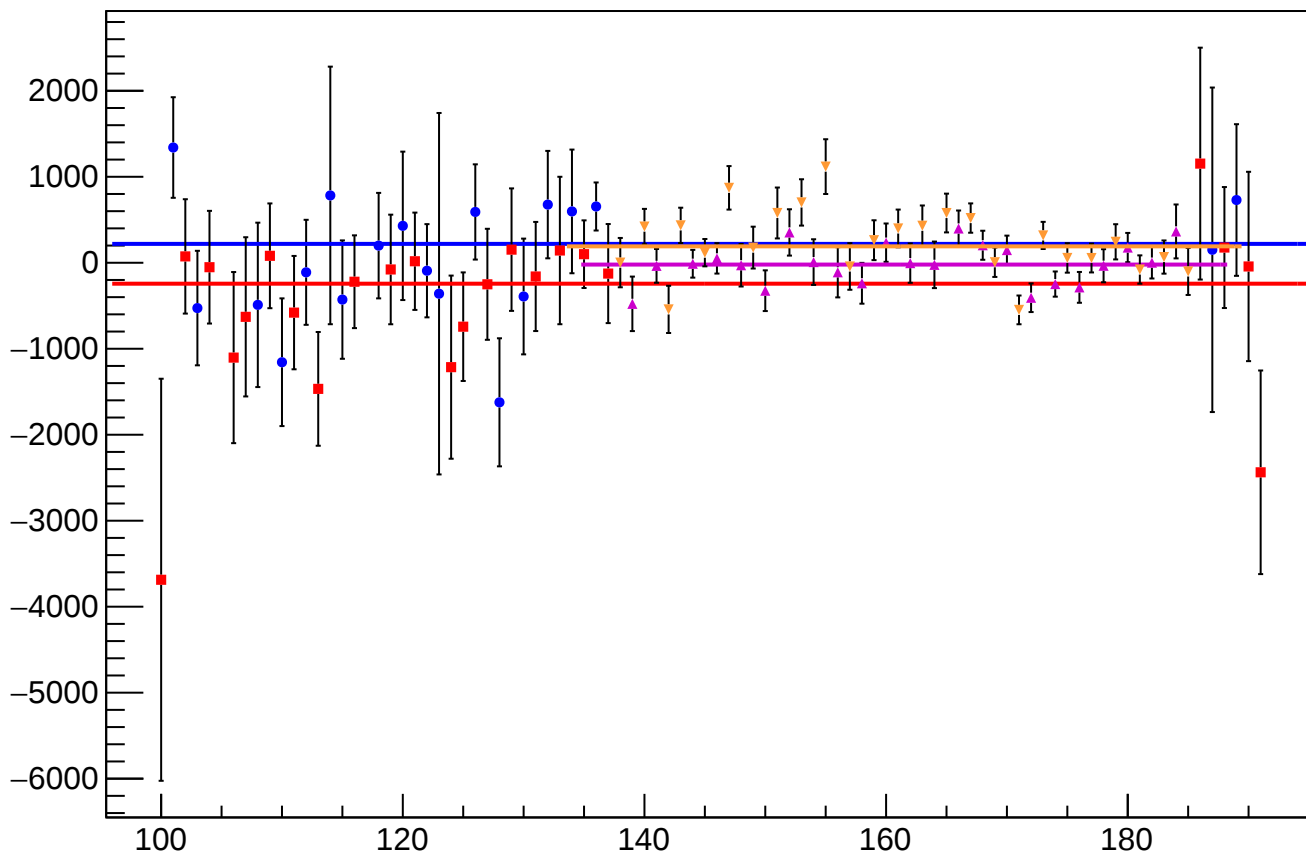
Right: 27.484 $\pm$ 0.005 χ^2 /NDF: 2229552.9/41

In: 21.590 $\pm$ 0.003 χ^2 /NDF: 1645554.6/41

Out: 21.772 $\pm$ 0.003 χ^2 /NDF: 2939462.8/47

All: 21.684 $\pm$ 0.002 χ^2 /NDF: 4586748.2/89

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 219.590 $\pm$ 145.710 χ^2 /NDF: 21.7/18

Left Out: 190.867 $\pm$ 41.314 χ^2 /NDF: 67.9/24

Right Out: -243.410 $\pm$ 143.678 χ^2 /NDF: 15.3/22

Left In: -20.998 $\pm$ 42.291 χ^2 /NDF: 27.7/22

Left: 87.410 $\pm$ 29.553 χ^2 /NDF: 108.4/47

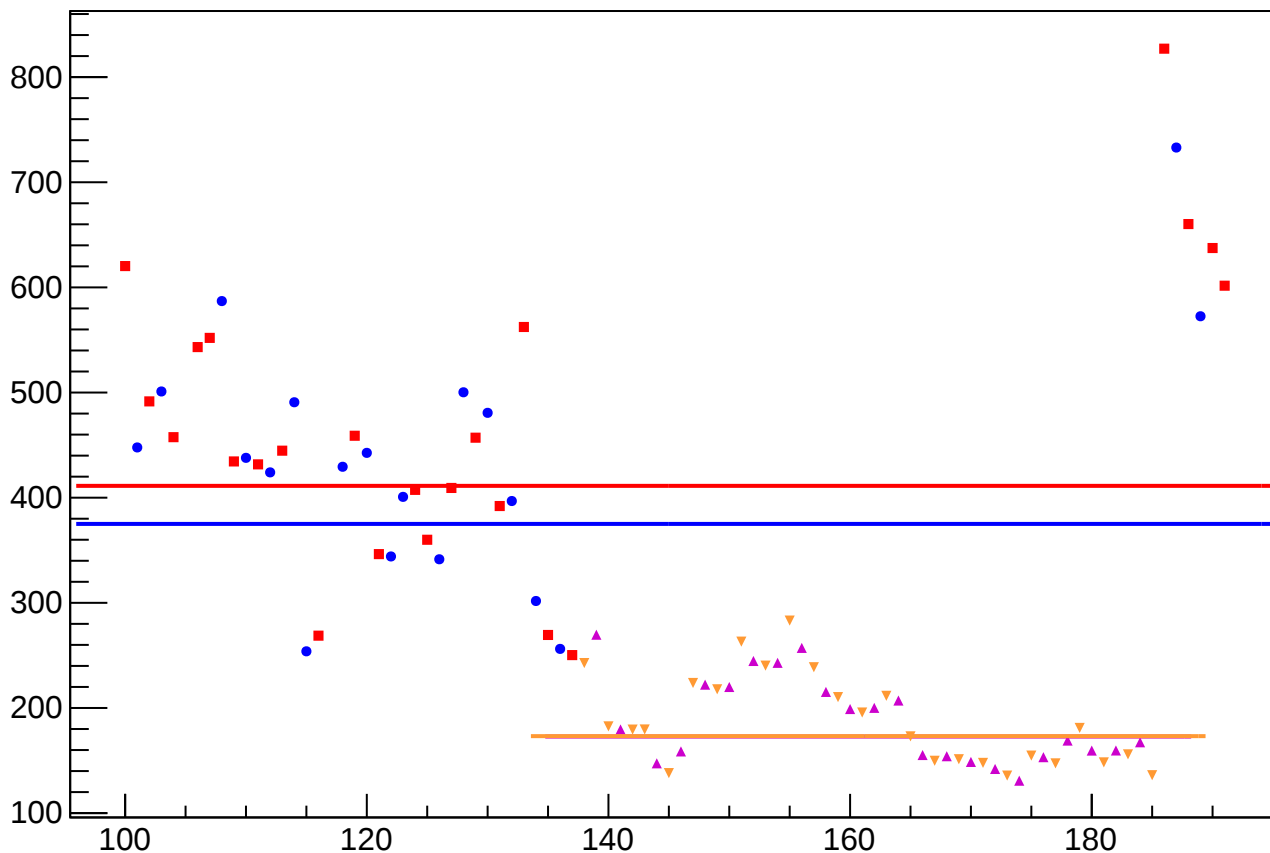
Right: -15.160 $\pm$ 102.307 χ^2 /NDF: 42.1/41

In: -2.306 $\pm$ 40.615 χ^2 /NDF: 51.9/41

Out: 157.703 $\pm$ 39.705 χ^2 /NDF: 91.6/47

All: 79.510 $\pm$ 28.392 χ^2 /NDF: 151.5/89

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 375.058+/-0.103 χ^2/NDF : 1007395.3/18

Left Out: 173.210+/-0.029 χ^2/NDF : 1561250.6/24

Right Out: 411.257+/-0.102 χ^2/NDF : 1401850.1/22

Left In: 172.828+/-0.030 χ^2/NDF : 1372131.7/22

Left: 173.023+/-0.021 χ^2/NDF : 2933465.9/47

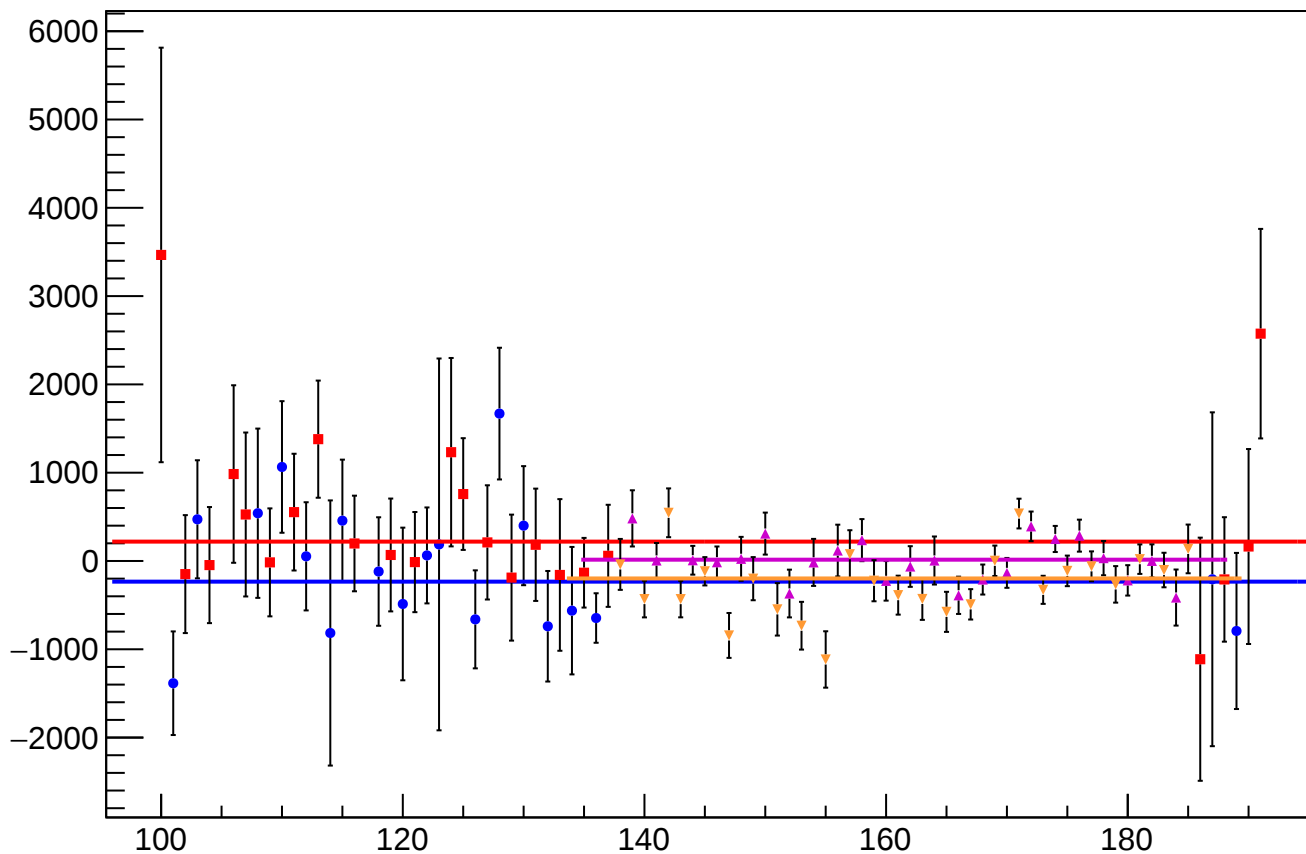
Right: 393.411+/-0.072 χ^2/NDF : 2471830.5/41

In: 188.540+/-0.029 χ^2/NDF : 5932701.3/41

Out: 191.389+/-0.028 χ^2/NDF : 8033824.4/47

All: 189.997+/-0.020 χ^2/NDF : 13971558.3/89

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -234.091 ± 146.133 $\chi^2/\text{NDF}: 21.9/18$

Left Out: -197.918 ± 41.638 $\chi^2/\text{NDF}: 64.3/24$

Right Out: 219.342 ± 144.130 $\chi^2/\text{NDF}: 15.0/22$

Left In: 14.616 ± 42.629 $\chi^2/\text{NDF}: 27.7/22$

Left: -94.151 ± 29.787 $\chi^2/\text{NDF}: 104.7/47$

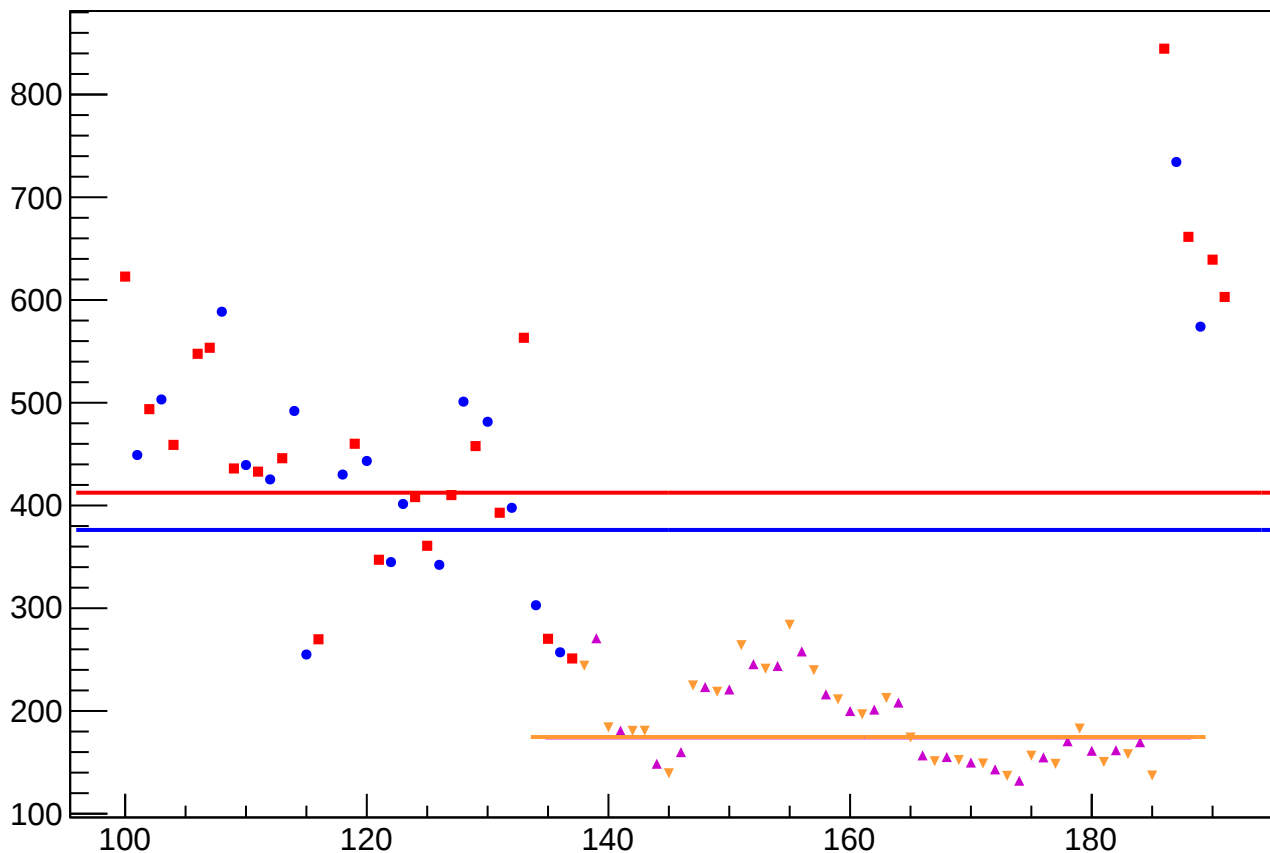
Right: -4.245 ± 102.616 $\chi^2/\text{NDF}: 41.8/41$

In: -4.889 ± 40.924 $\chi^2/\text{NDF}: 52.3/41$

Out: -165.776 ± 40.002 $\chi^2/\text{NDF}: 87.0/47$

All: -87.164 ± 28.606 $\chi^2/\text{NDF}: 147.2/89$

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 376.197 ± 0.103 $\chi^2/\text{NDF}: 1004421.3/18$

Left Out: 174.648 ± 0.029 $\chi^2/\text{NDF}: 1531999.5/24$

Right Out: 412.451 ± 0.102 $\chi^2/\text{NDF}: 1407806.6/22$

Left In: 174.288 ± 0.030 $\chi^2/\text{NDF}: 1344779.5/22$

Left: 174.472 ± 0.021 $\chi^2/\text{NDF}: 2876851.9/47$

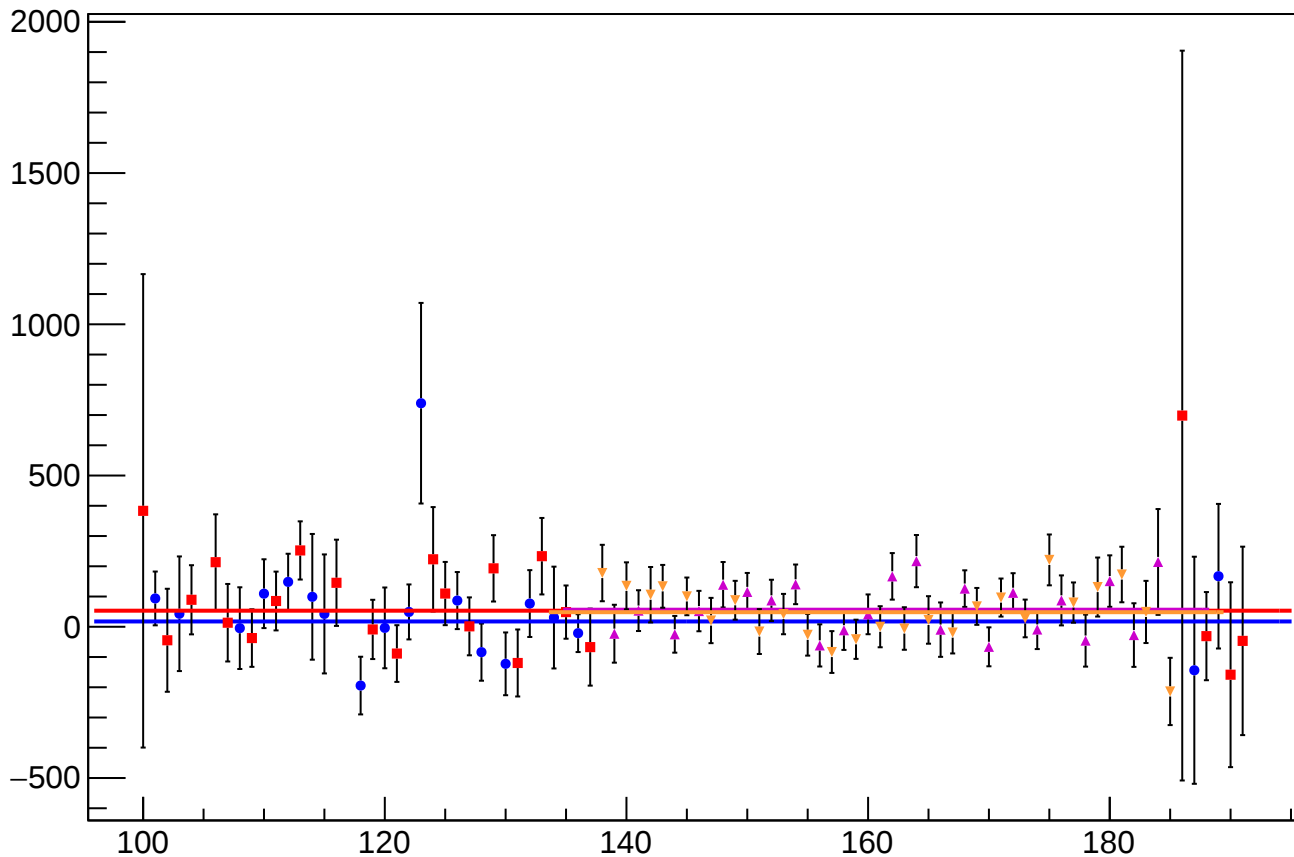
Right: 394.574 ± 0.073 $\chi^2/\text{NDF}: 2474622.9/41$

In: 190.123 ± 0.029 $\chi^2/\text{NDF}: 5867864.8/41$

Out: 192.966 ± 0.028 $\chi^2/\text{NDF}: 7964905.5/47$

All: 191.577 ± 0.020 $\chi^2/\text{NDF}: 13837706.7/89$

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 17.586 $\pm$ 26.154 χ^2 /NDF: 18.2/18

Left Out: 48.233 $\pm$ 14.616 χ^2 /NDF: 29.3/24

Right Out: 53.164 $\pm$ 25.599 χ^2 /NDF: 19.9/22

Left In: 56.403 $\pm$ 15.182 χ^2 /NDF: 27.5/22

Left: 52.163 $\pm$ 10.529 χ^2 /NDF: 56.9/47

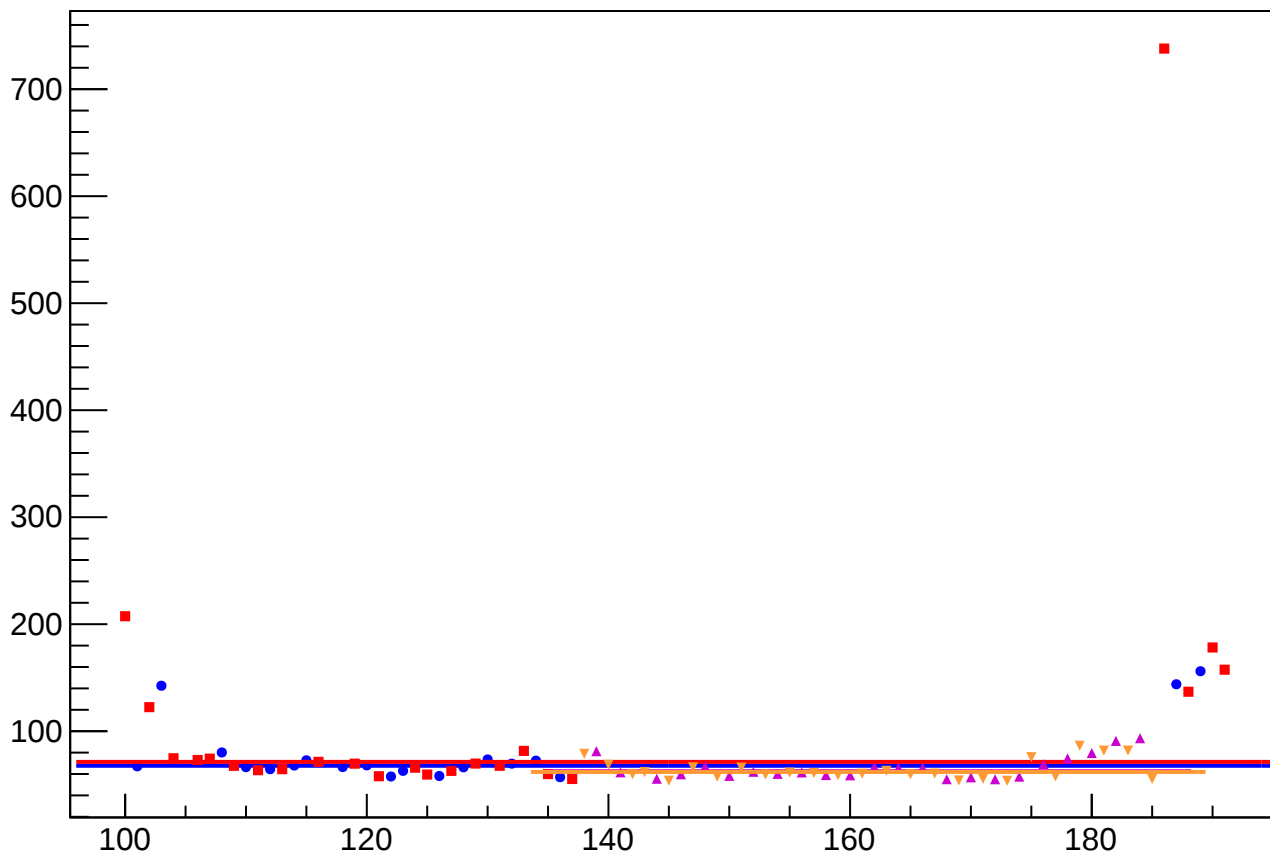
Right: 35.757 $\pm$ 18.294 χ^2 /NDF: 39.0/41

In: 46.620 $\pm$ 13.130 χ^2 /NDF: 47.3/41

Out: 49.445 $\pm$ 12.693 χ^2 /NDF: 49.2/47

All: 48.080 $\pm$ 9.126 χ^2 /NDF: 96.5/89

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 67.704 $\pm$ 0.018 χ^2 /NDF: 801270.5/18

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 71.320 $\pm$ 0.018 χ^2 /NDF: 1848219.5/22

Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

Left: 62.264 $\pm$ 0.007 χ^2 /NDF: 1182470.7/47

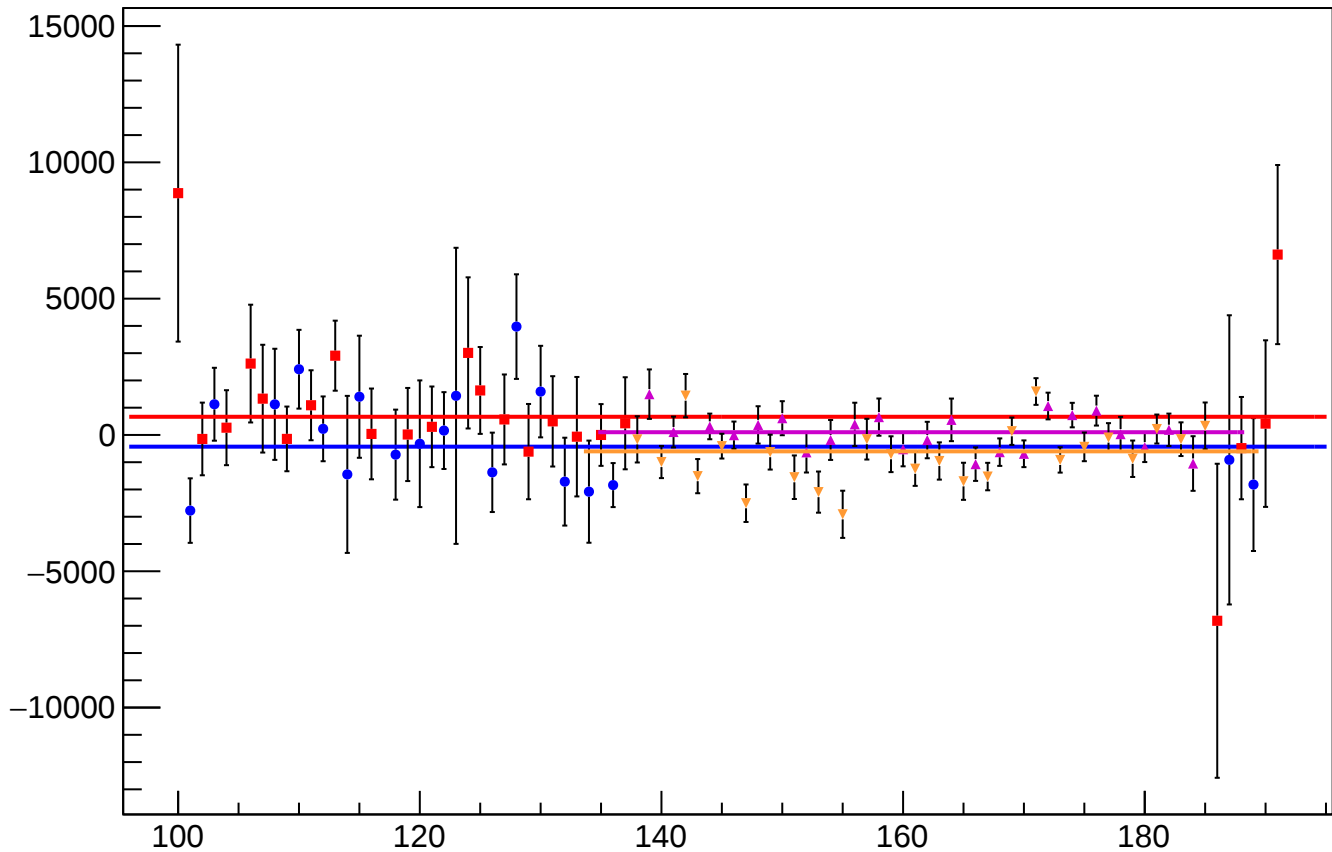
Right: 69.551 $\pm$ 0.013 χ^2 /NDF: 2669016.0/41

In: 63.892 $\pm$ 0.009 χ^2 /NDF: 1433609.7/41

Out: 64.251 $\pm$ 0.009 χ^2 /NDF: 2655465.3/47

All: 64.077 $\pm$ 0.006 χ^2 /NDF: 4089848.7/89

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -429.606+/-362.346 χ^2/NDF : 23.1/18

Left Out: -601.486+/-122.119 χ^2/NDF : 65.4/24

Right Out: 666.827+/-351.023 χ^2/NDF : 15.1/22

Left In: 100.548+/-124.725 χ^2/NDF : 25.5/22

Left: -257.880+/-87.258 χ^2/NDF : 107.0/47

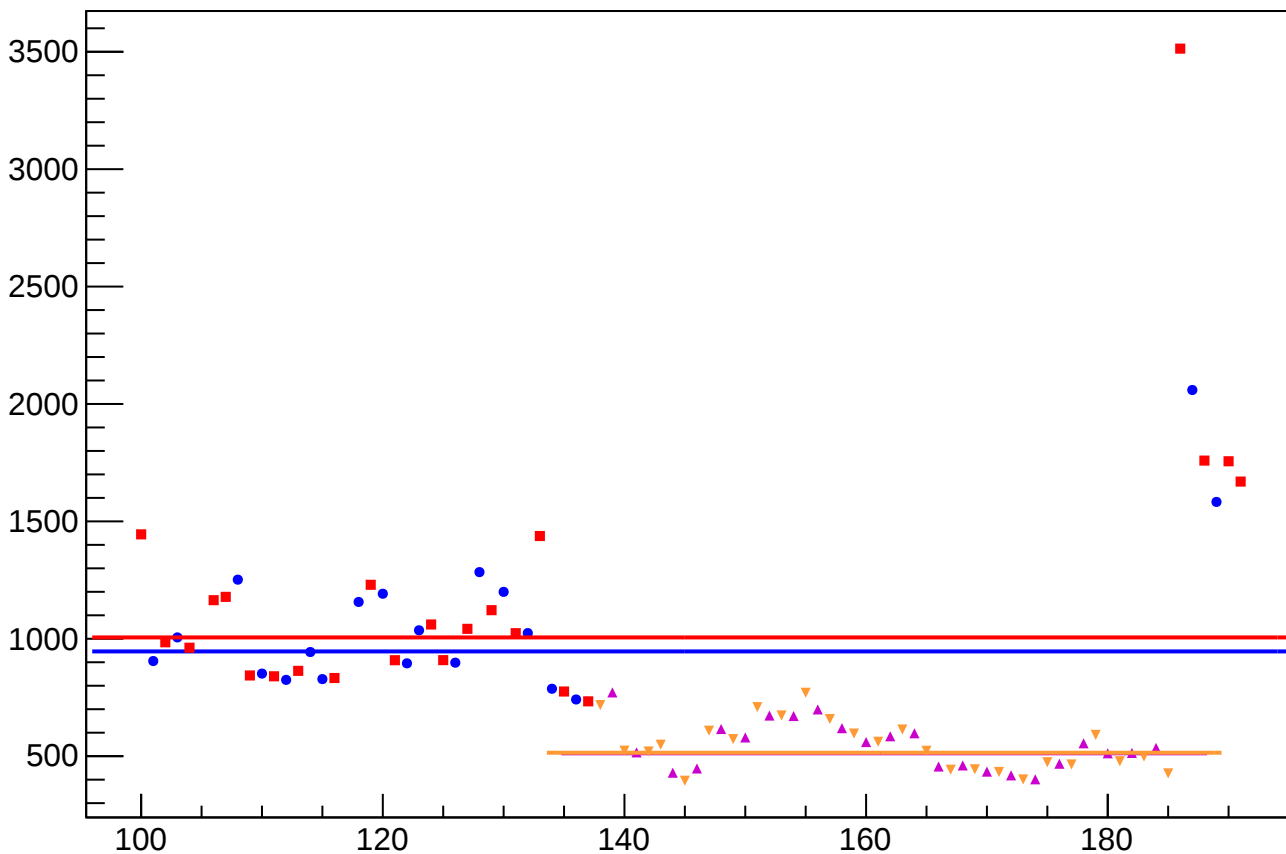
Right: 136.009+/-252.119 χ^2/NDF : 42.9/41

In: 44.387+/-117.934 χ^2/NDF : 50.5/41

Out: -464.555+/-115.338 χ^2/NDF : 92.1/47

All: -215.746+/-82.459 χ^2/NDF : 152.1/89

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 946.140 $\pm$ 0.256 χ^2 /NDF: 626268.6/18

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF:1194945.9/24

Right Out: 1005.713 $\pm$ 0.248 χ^2 /NDF: 1335273.1/22

Left In: 512.199 $\pm$ 0.088 χ^2 /NDF:1041302.8/22

Left: 513.505 $\pm$ 0.062 χ^2 /NDF: 2236678.4/47

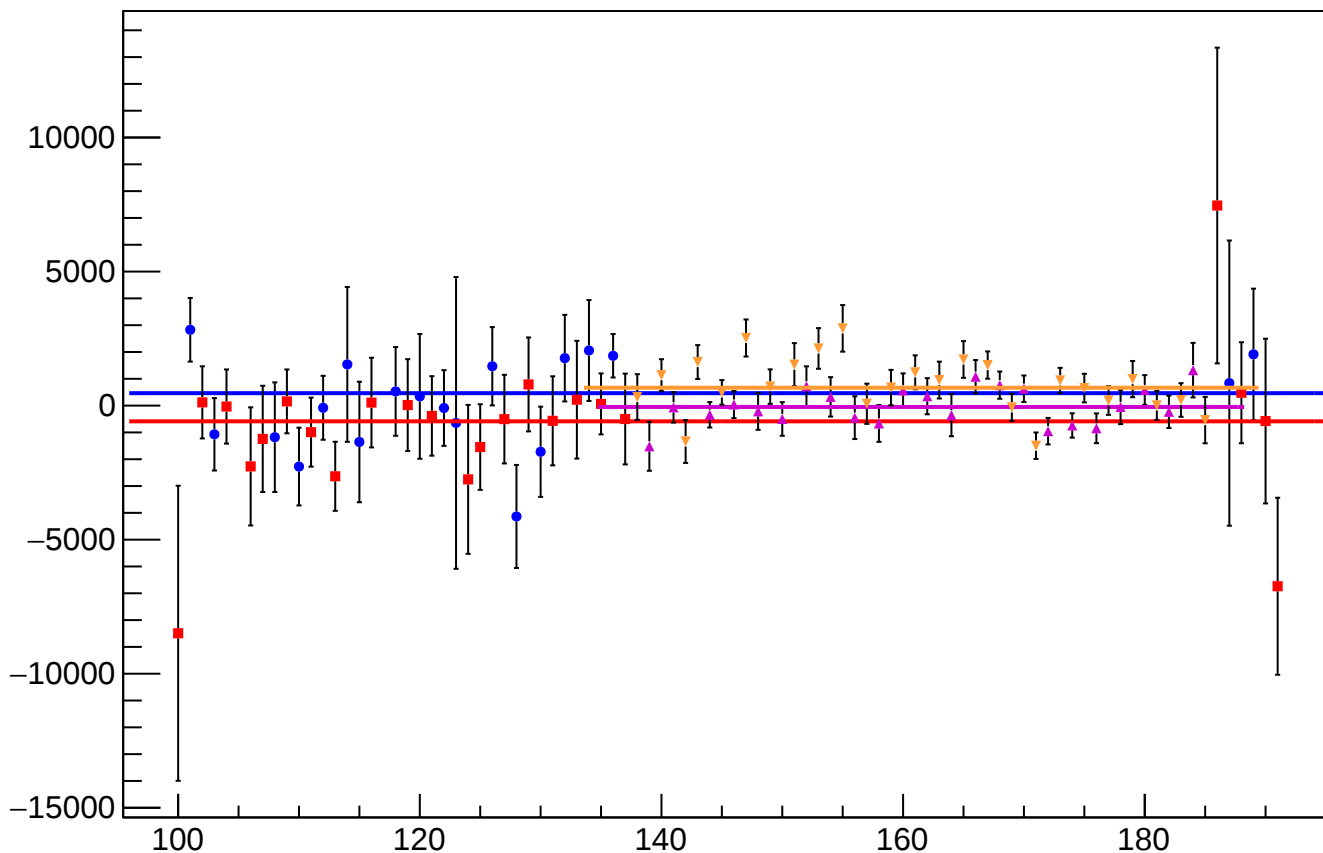
Right: 976.872 $\pm$ 0.178 χ^2 /NDF: 1989429.9/41

In: 558.168 $\pm$ 0.083 χ^2 /NDF:4232147.3/41

Out: 567.763 $\pm$ 0.082 χ^2 /NDF:6020219.0/47

All: 563.072 $\pm$ 0.058 χ^2 /NDF: 10259133.0/89

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 463.944+/-363.596 χ^2/NDF : 23.2/18

Left Out: 667.625+/-123.146 χ^2/NDF : 61.5/24

Right Out: -586.191+/-352.449 χ^2/NDF : 14.2/22

Left In: -50.079+/-125.805 χ^2/NDF : 26.1/22

Left: 316.439+/-88.002 χ^2/NDF : 104.2/47

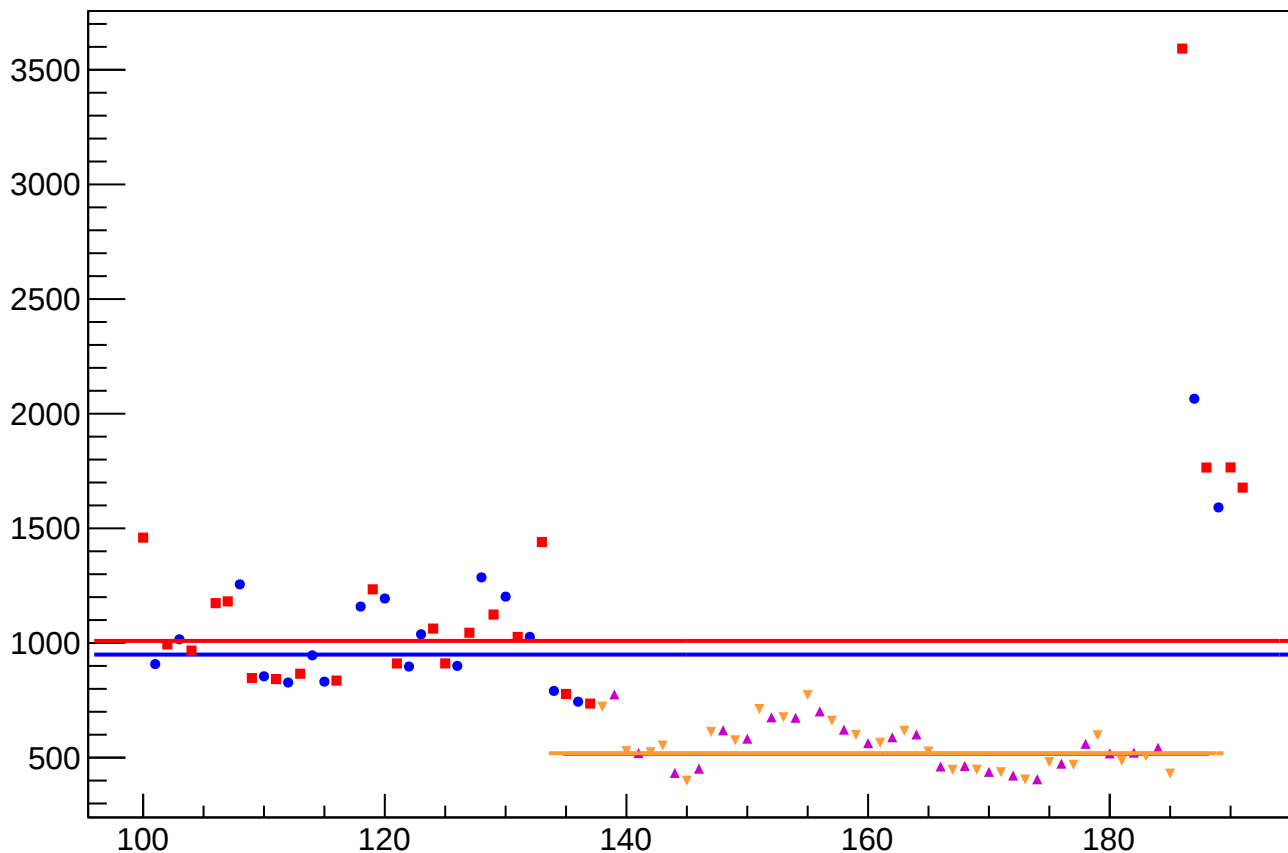
Right: -77.467+/-253.068 χ^2/NDF : 41.8/41

In: 4.879+/-118.889 χ^2/NDF : 51.1/41

Out: 531.212+/-116.254 χ^2/NDF : 87.0/47

All: 273.945+/-83.120 χ^2/NDF : 148.2/89

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 949.432 $\pm$ 0.257 χ^2 /NDF: 626017.8/18

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF: 1172411.1/24

Right Out: 1009.192 $\pm$ 0.249 χ^2 /NDF: 1342600.4/22

Left In: 516.792 $\pm$ 0.089 χ^2 /NDF: 1021374.1/22

Left: 518.049 $\pm$ 0.062 χ^2 /NDF: 2194176.4/47

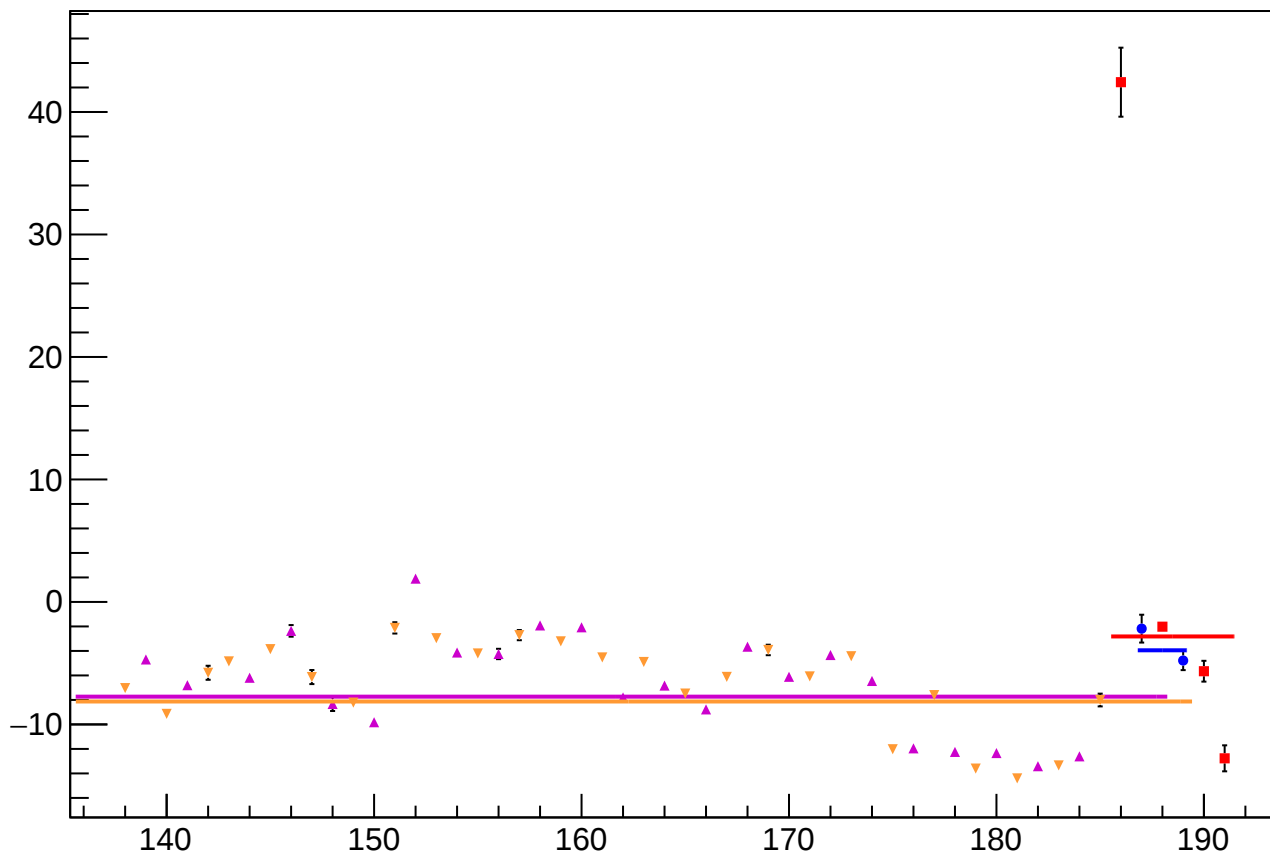
Right: 980.242 $\pm$ 0.179 χ^2 /NDF: 1996473.1/41

In: 563.049 $\pm$ 0.084 χ^2 /NDF: 4176322.9/41

Out: 572.558 $\pm$ 0.082 χ^2 /NDF: 5959270.7/47

All: 567.910 $\pm$ 0.059 χ^2 /NDF: 10142134.8/89

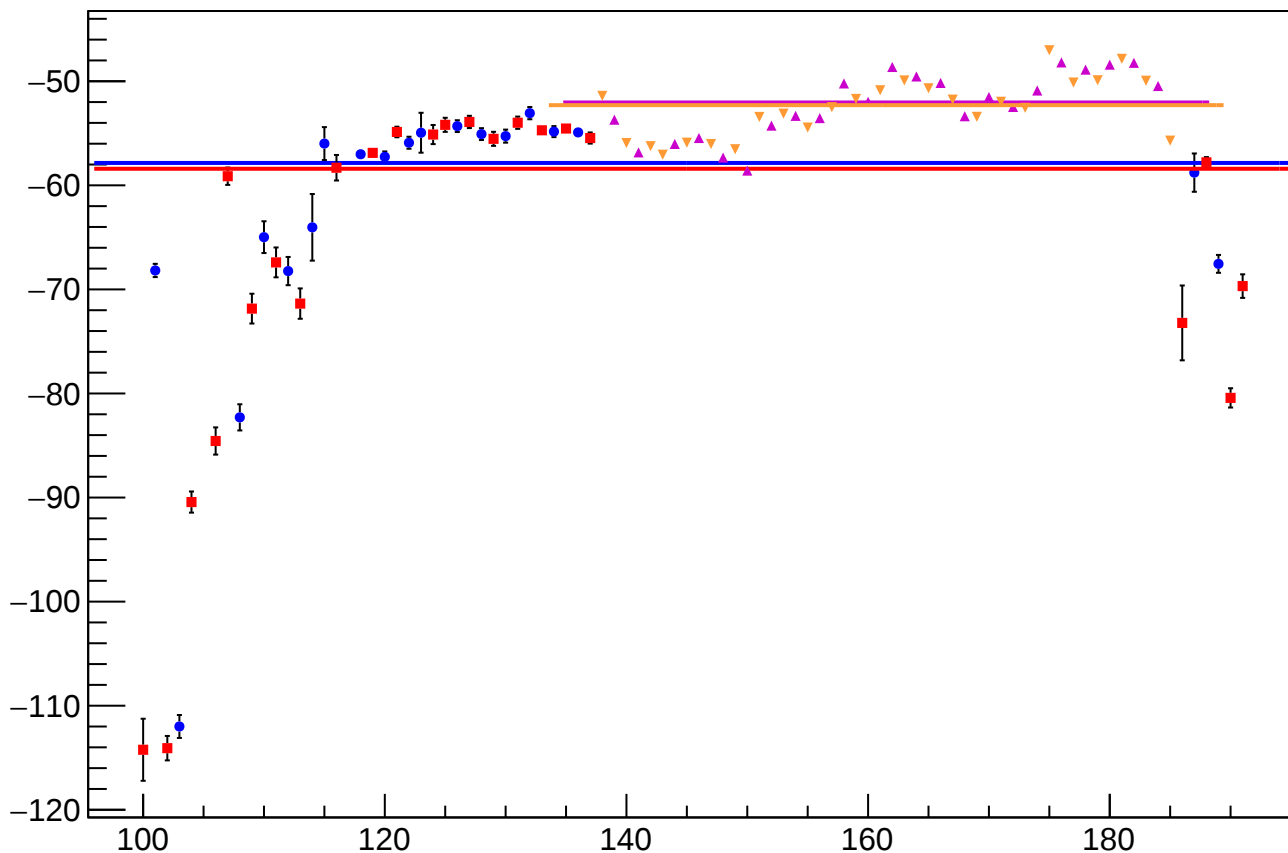
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.948 ± 0.644 χ^2/NDF : 3.6/1
 Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24
 Right Out: -2.817 ± 0.298 χ^2/NDF : 362.6/3
 Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

Left: -7.934 ± 0.048 χ^2/NDF : 7371.4/47
 Right: -3.017 ± 0.271 χ^2/NDF : 368.7/5
 In: -7.689 ± 0.068 χ^2/NDF : 3756.7/24
 Out: -7.869 ± 0.066 χ^2/NDF : 4300.0/28
 All: -7.783 ± 0.047 χ^2/NDF : 8060.3/53

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.849 ± 0.141 χ^2/NDF : 3589.6/18

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -58.408 ± 0.135 χ^2/NDF : 5405.5/22

Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

Left: -52.172 ± 0.040 χ^2/NDF : 5848.6/47

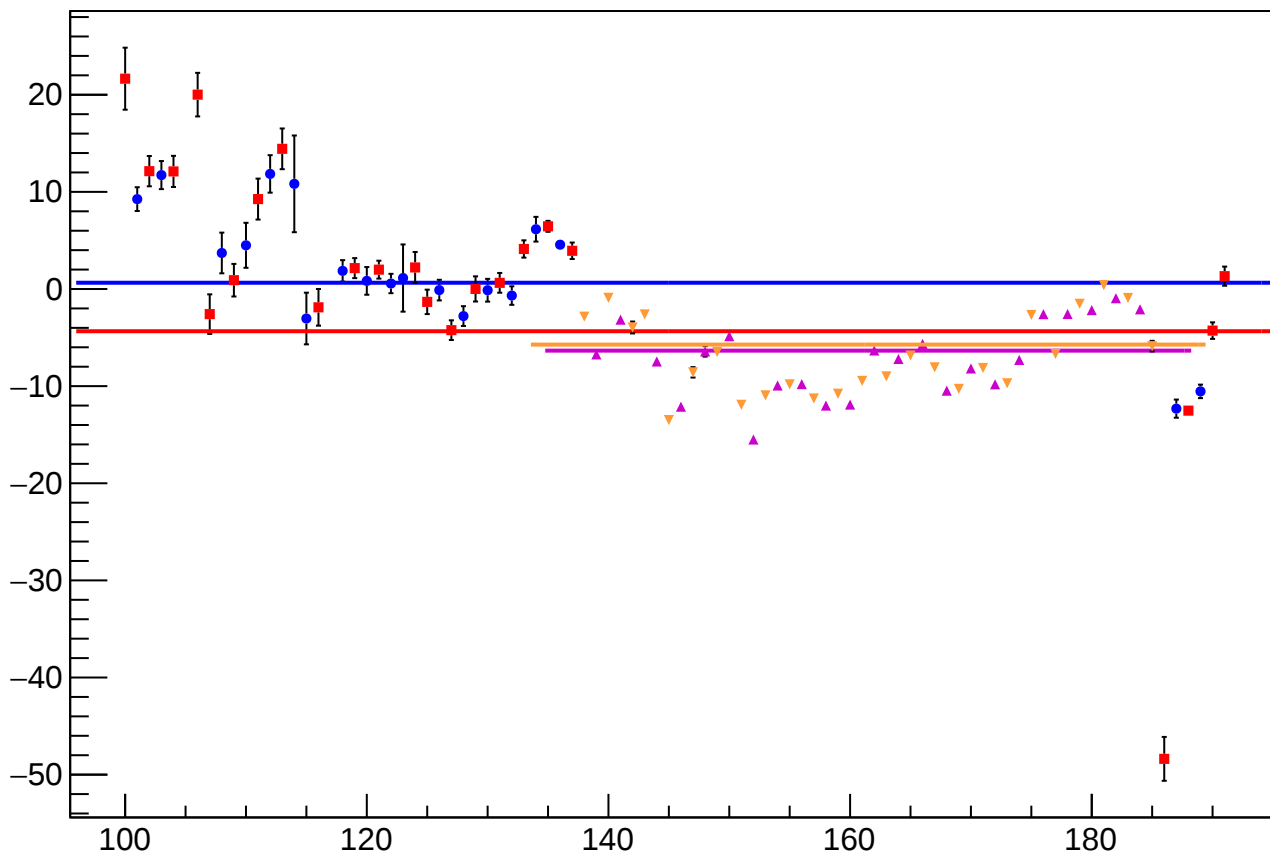
Right: -58.140 ± 0.098 χ^2/NDF : 9003.3/41

In: -52.860 ± 0.053 χ^2/NDF : 8232.0/41

Out: -53.167 ± 0.051 χ^2/NDF : 9816.4/47

All: -53.019 ± 0.037 χ^2/NDF : 18065.9/89

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



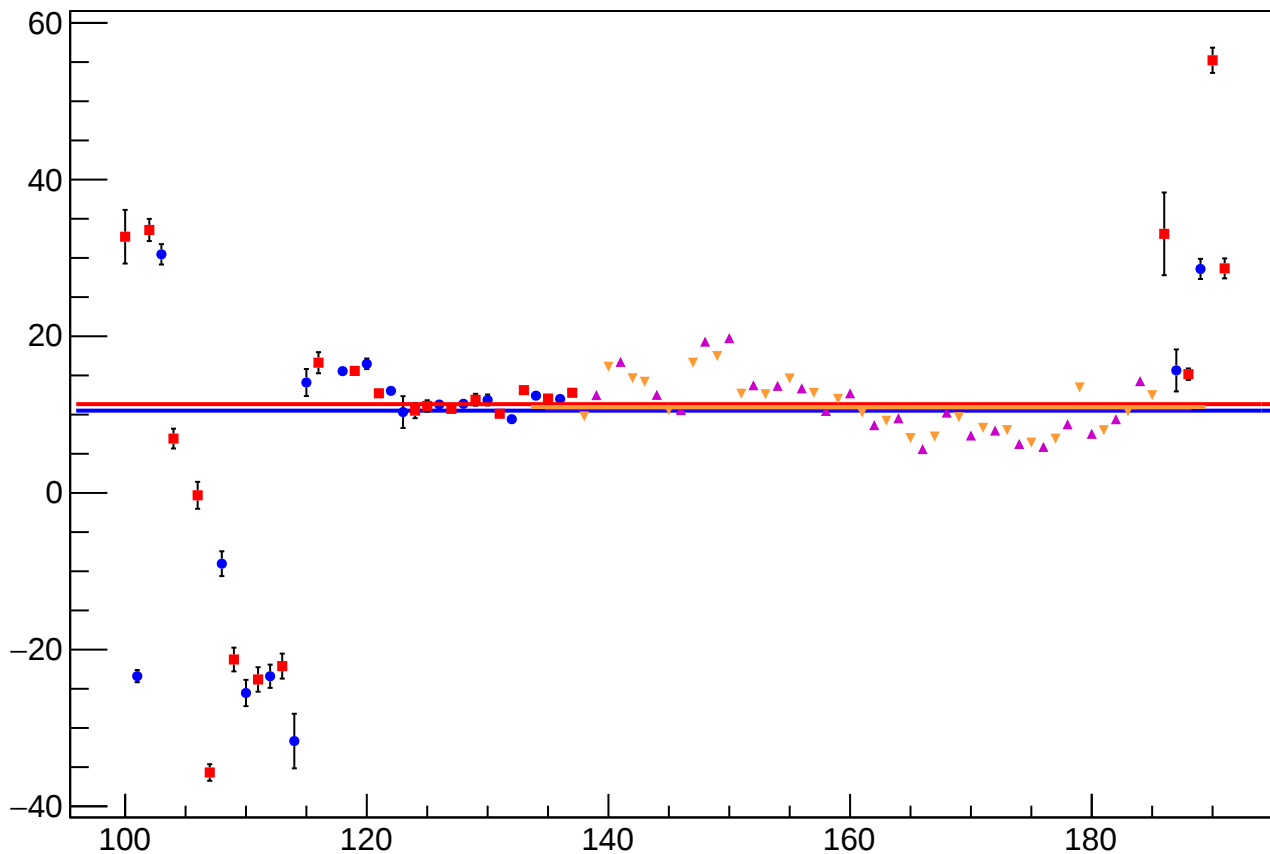
Right In: 0.646 ± 0.235 $\chi^2/\text{NDF}: 733.2/18$
 Left Out: -5.722 ± 0.068 $\chi^2/\text{NDF}: 3983.0/24$
 Right Out: -4.347 ± 0.183 $\chi^2/\text{NDF}: 2549.0/22$
 Left In: -6.344 ± 0.069 $\chi^2/\text{NDF}: 3383.7/22$

Left: -6.028 ± 0.048 $\chi^2/\text{NDF}: 7408.5/47$
 Right: -2.469 ± 0.144 $\chi^2/\text{NDF}: 3563.5/41$

In: -5.795 ± 0.066 $\chi^2/\text{NDF}: 4931.4/41$
 Out: -5.556 ± 0.063 $\chi^2/\text{NDF}: 6581.9/47$

All: -5.671 ± 0.046 $\chi^2/\text{NDF}: 11520.1/89$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.505 $\pm$ 0.157 χ^2 /NDF: 3884.9/18

Left Out: 10.967 $\pm$ 0.061 χ^2 /NDF: 2637.7/24

Right Out: 11.335 $\pm$ 0.155 χ^2 /NDF: 4830.5/22

Left In: 10.813 $\pm$ 0.063 χ^2 /NDF: 3546.8/22

Left: 10.892 $\pm$ 0.044 χ^2 /NDF: 6187.5/47

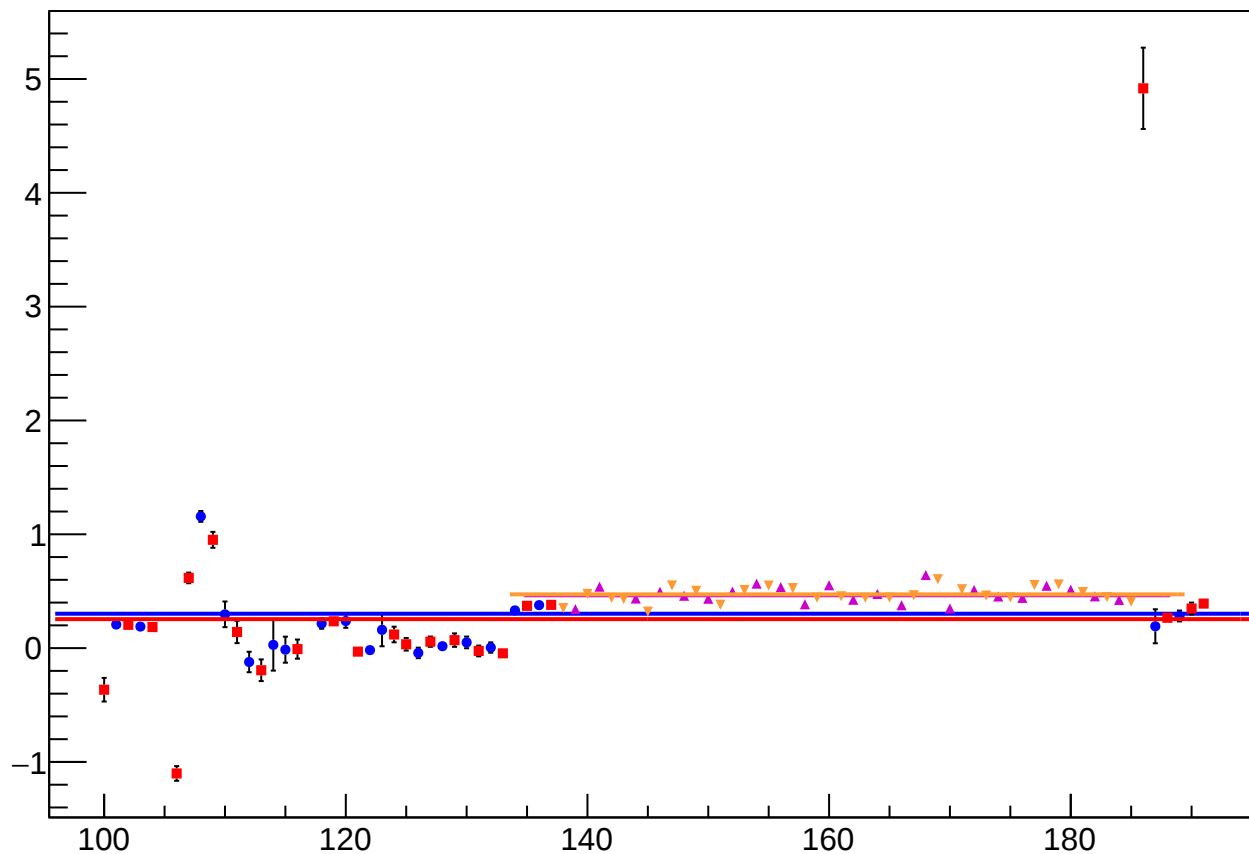
Right: 10.926 $\pm$ 0.110 χ^2 /NDF: 8729.6/41

In: 10.770 $\pm$ 0.059 χ^2 /NDF: 7435.0/41

Out: 11.017 $\pm$ 0.057 χ^2 /NDF: 7473.1/47

All: 10.897 $\pm$ 0.041 χ^2 /NDF: 14917.2/89

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302 ± 0.008 χ^2/NDF : 647.9/18

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.255 ± 0.008 χ^2/NDF : 1175.0/22

Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

Left: 0.468 ± 0.002 χ^2/NDF : 1256.2/47

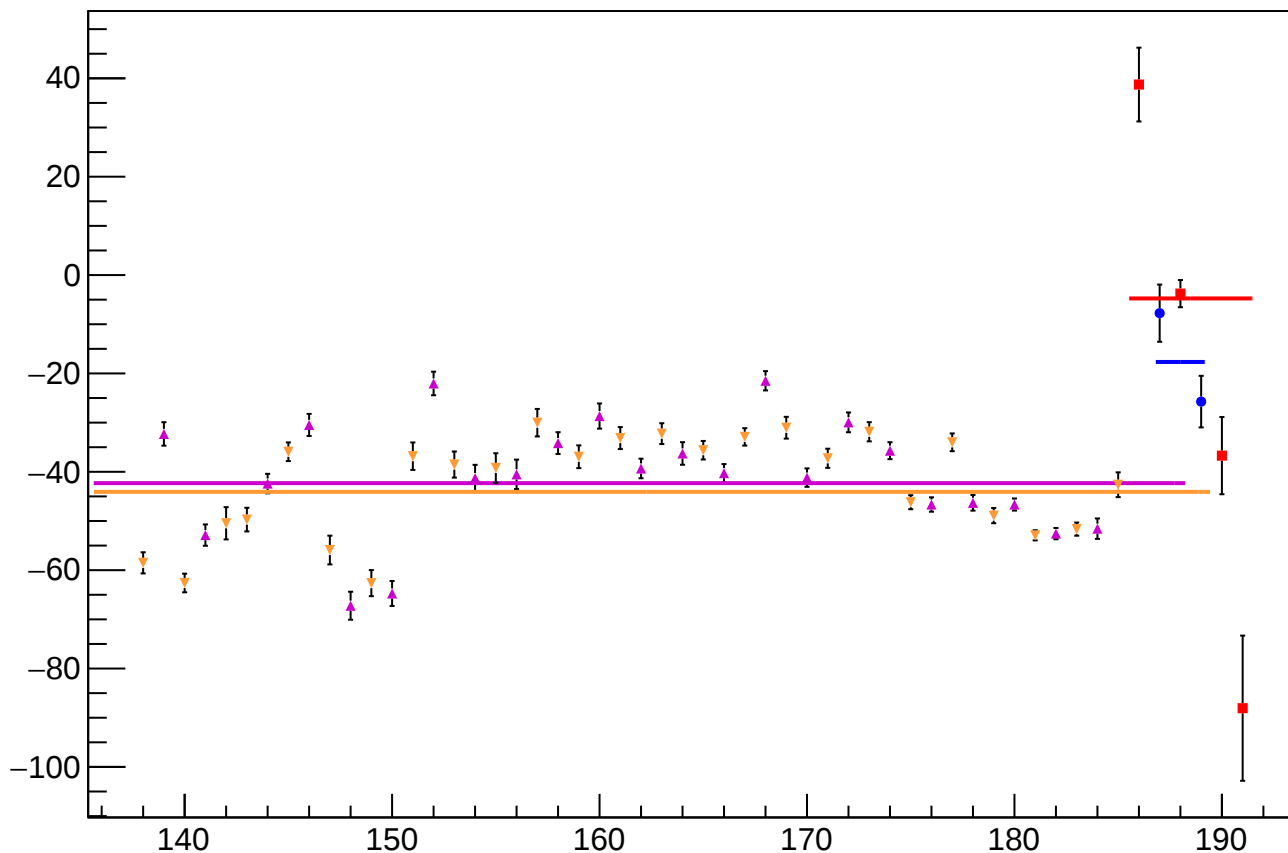
Right: 0.278 ± 0.006 χ^2/NDF : 1840.6/41

In: 0.447 ± 0.003 χ^2/NDF : 1740.0/41

Out: 0.449 ± 0.003 χ^2/NDF : 2364.8/47

All: 0.448 ± 0.002 χ^2/NDF : 4105.1/89

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



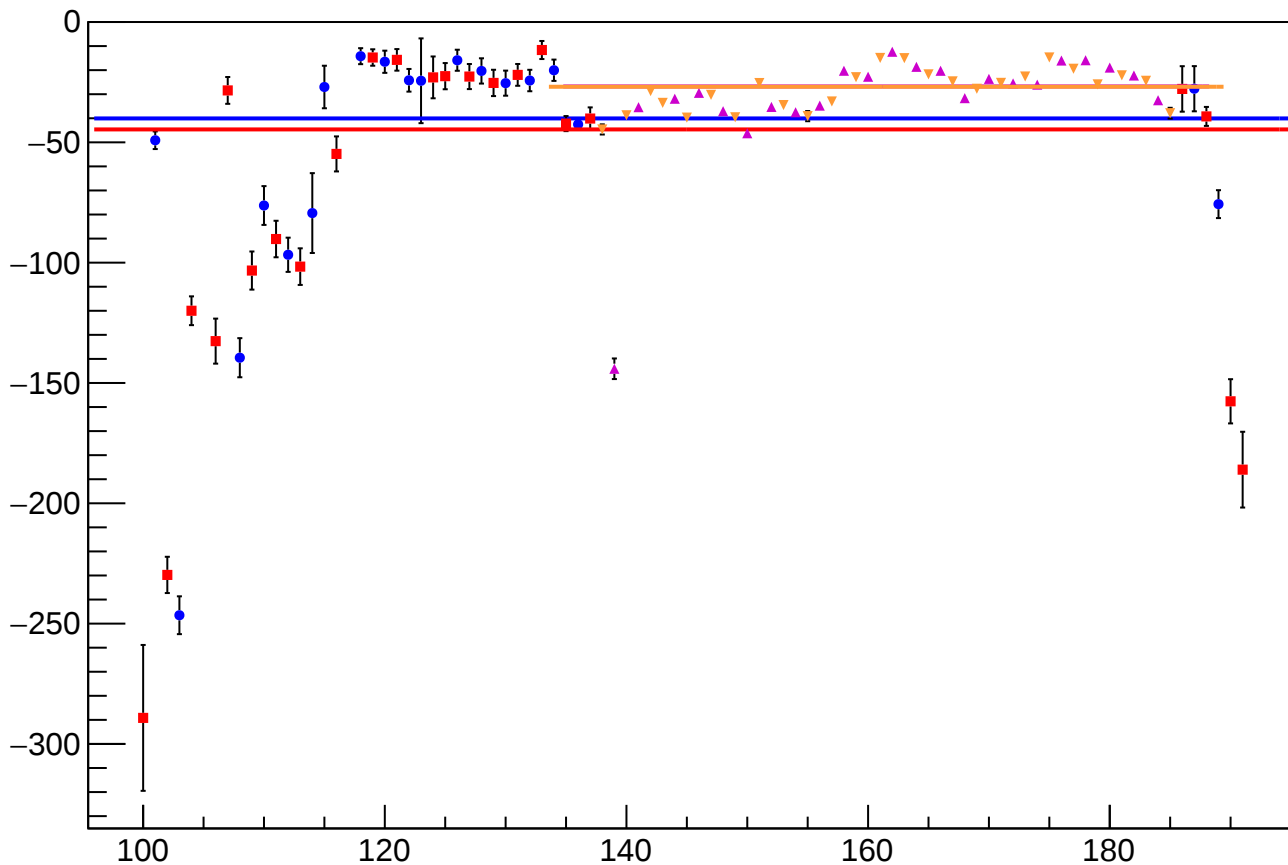
Right In: -17.666 ± 3.894 $\chi^2/\text{NDF}: 5.3/1$
 Left Out: -44.077 ± 0.389 $\chi^2/\text{NDF}: 632.6/24$
 Right Out: -4.752 ± 2.430 $\chi^2/\text{NDF}: 82.2/3$
 Left In: -42.304 ± 0.399 $\chi^2/\text{NDF}: 640.6/22$

Left: -43.214 ± 0.278 $\chi^2/\text{NDF}: 1283.3/47$
 Right: -8.371 ± 2.061 $\chi^2/\text{NDF}: 95.4/5$

In: -42.048 ± 0.397 $\chi^2/\text{NDF}: 685.5/24$
 Out: -43.097 ± 0.384 $\chi^2/\text{NDF}: 970.2/28$

All: -42.590 ± 0.276 $\chi^2/\text{NDF}: 1659.3/53$

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -40.067 ± 1.120 χ^2/NDF : 1162.3/18

Left Out: -26.902 ± 0.316 χ^2/NDF : 631.0/24

Right Out: -44.633 ± 1.138 χ^2/NDF : 1585.4/22

Left In: -26.774 ± 0.326 χ^2/NDF : 1394.5/22

Left: -26.840 ± 0.227 χ^2/NDF : 2025.6/47

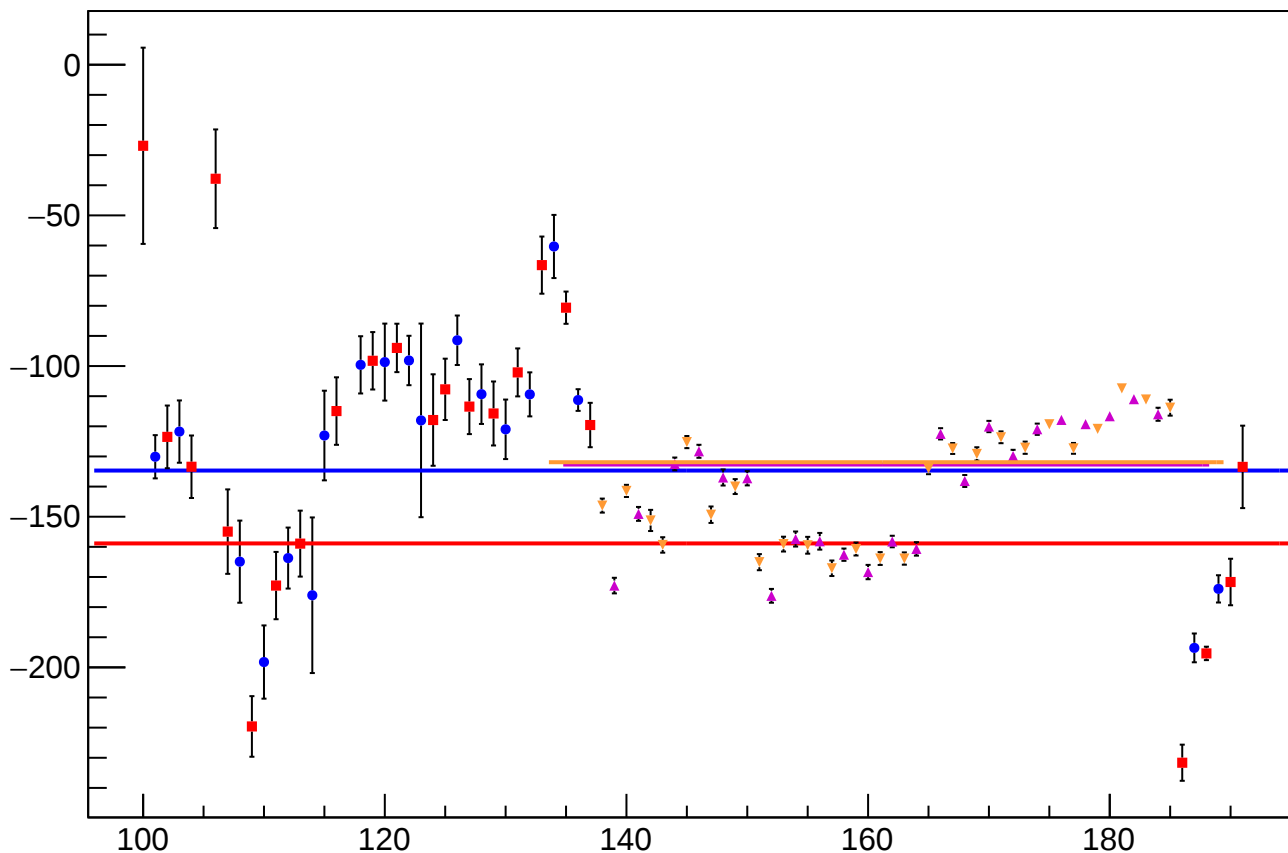
Right: -42.313 ± 0.798 χ^2/NDF : 2755.9/41

In: -27.814 ± 0.313 χ^2/NDF : 2686.8/41

Out: -28.174 ± 0.305 χ^2/NDF : 2441.7/47

All: -27.999 ± 0.218 χ^2/NDF : 5129.2/89

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -134.680 ± 1.760 χ^2/NDF : 455.2/18

Left Out: -131.912 ± 0.391 χ^2/NDF : 2439.3/24

Right Out: -158.864 ± 1.482 χ^2/NDF : 1131.2/22

Left In: -132.690 ± 0.399 χ^2/NDF : 2480.2/22

Left: -132.293 ± 0.280 χ^2/NDF : 4921.5/47

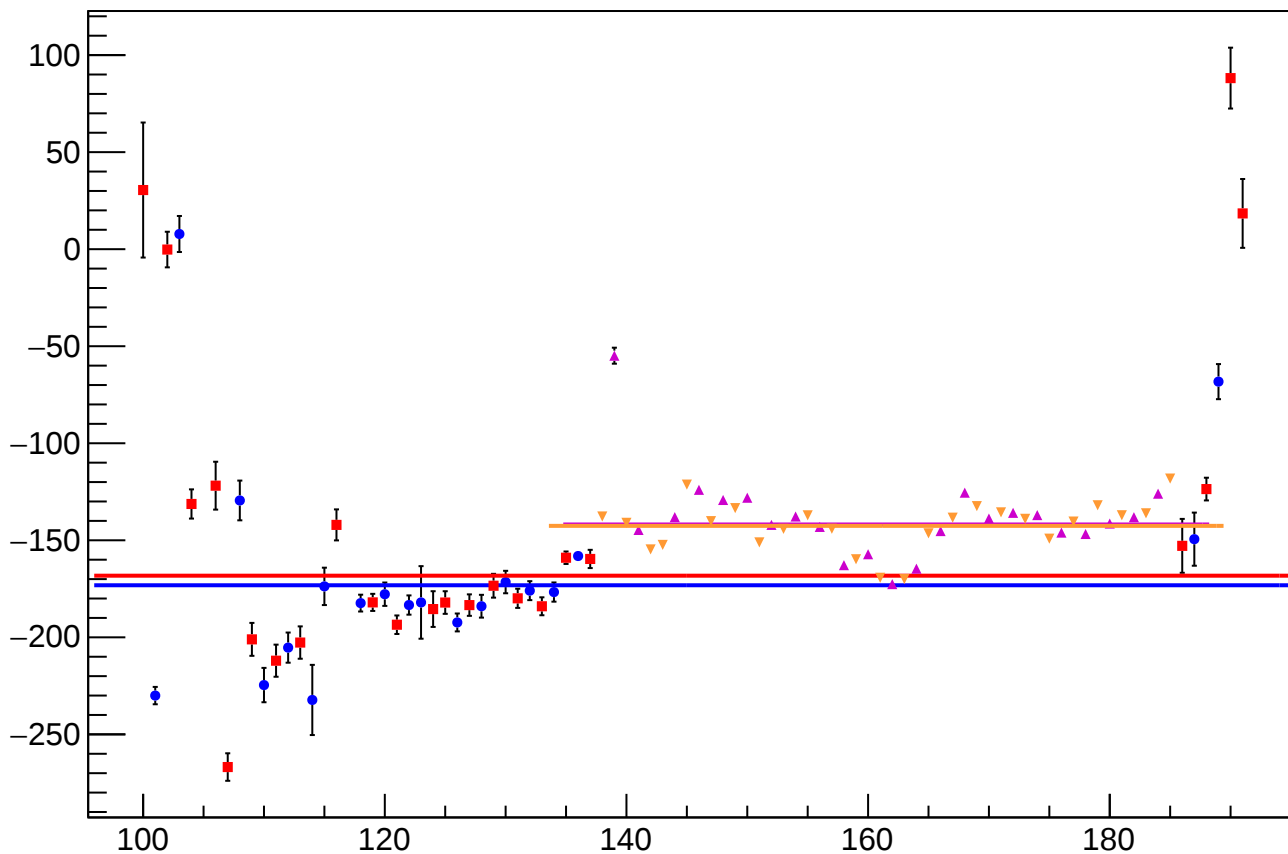
Right: -148.831 ± 1.134 χ^2/NDF : 1696.9/41

In: -132.787 ± 0.390 χ^2/NDF : 2936.6/41

Out: -133.670 ± 0.378 χ^2/NDF : 3879.8/47

All: -133.241 ± 0.271 χ^2/NDF : 6819.1/89

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -173.170 $\pm$ 1.261 χ^2 /NDF: 832.1/18

Left Out: -142.564 $\pm$ 0.354 χ^2 /NDF:1147.7/24

Right Out: -168.236 $\pm$ 1.309 χ^2 /NDF: 1192.2/22

Left In: -141.856 $\pm$ 0.364 χ^2 /NDF:1544.3/22

Left: -142.220 $\pm$ 0.254 χ^2 /NDF: 2693.9/47

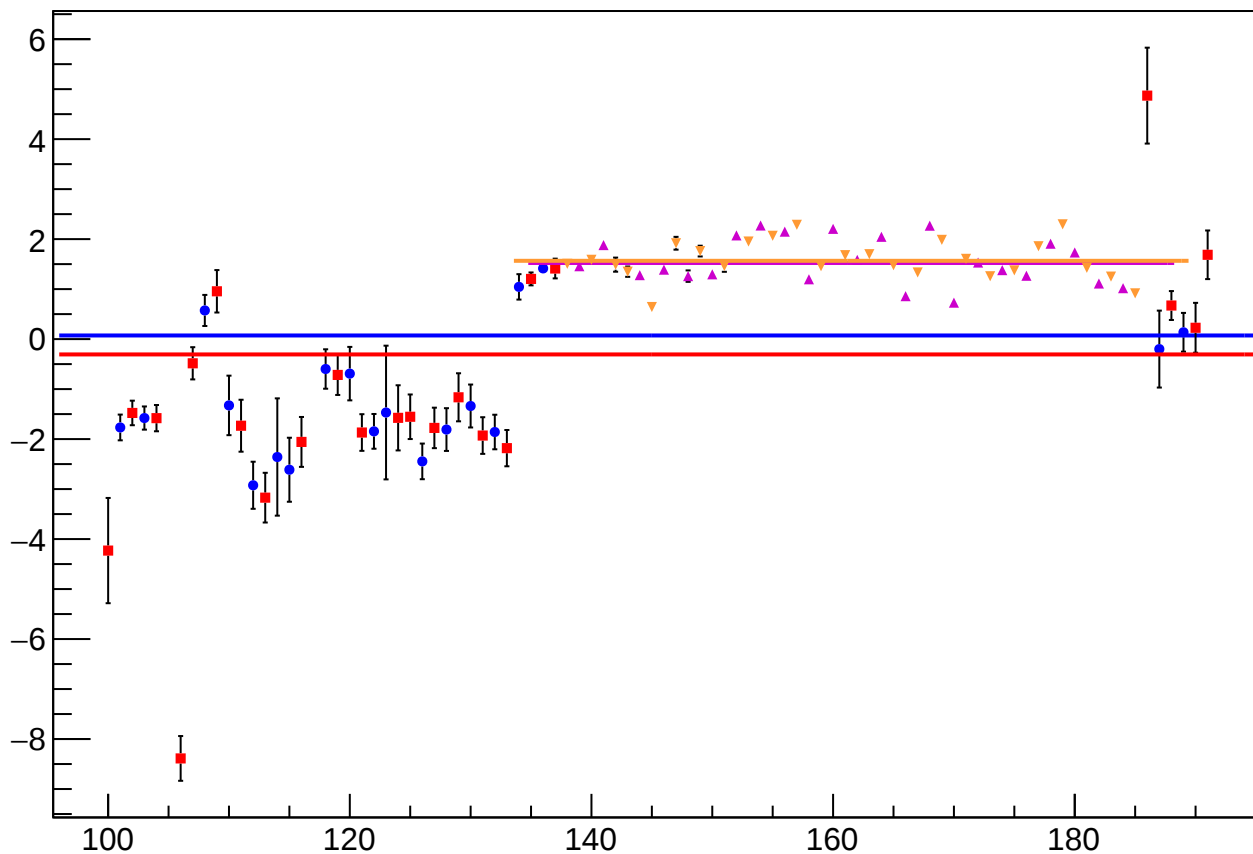
Right: -170.796 $\pm$ 0.908 χ^2 /NDF: 2031.7/41

In: -144.263 $\pm$ 0.349 χ^2 /NDF:2945.8/41

Out: -144.313 $\pm$ 0.342 χ^2 /NDF:2698.1/47

All: -144.288 $\pm$ 0.244 χ^2 /NDF: 5643.9/89

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.073 ± 0.066 χ^2/NDF : 525.3/18

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: -0.307 ± 0.068 χ^2/NDF : 813.2/22

Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

Left: 1.545 ± 0.012 χ^2/NDF : 1284.8/47

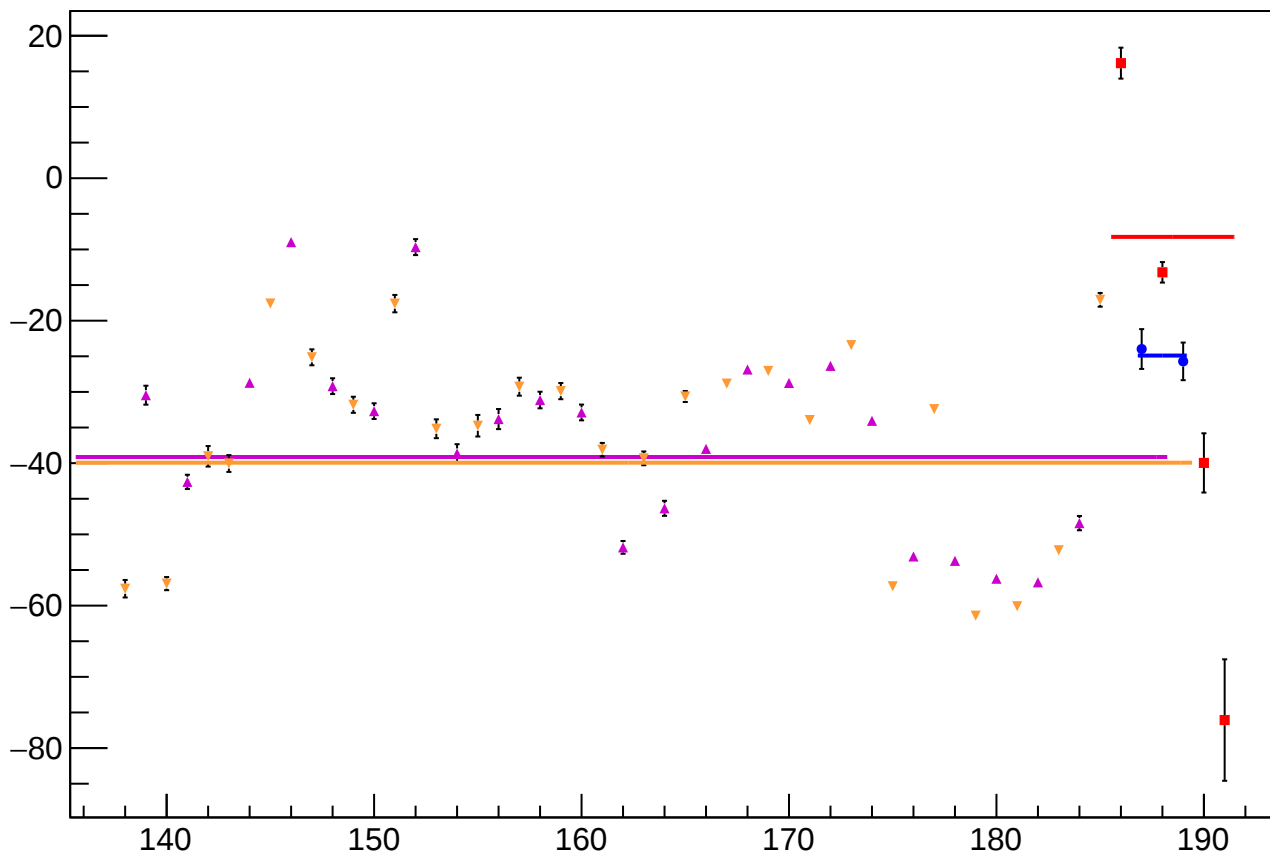
Right: -0.112 ± 0.047 χ^2/NDF : 1354.6/41

In: 1.437 ± 0.016 χ^2/NDF : 1718.9/41

Out: 1.465 ± 0.016 χ^2/NDF : 2077.6/47

All: 1.452 ± 0.011 χ^2/NDF : 3798.0/89

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.895 ± 1.919 $\chi^2/\text{NDF}: 0.2/1$
 Left Out: -39.935 ± 0.153 $\chi^2/\text{NDF}: 9806.5/24$
 Right Out: -8.235 ± 1.143 $\chi^2/\text{NDF}: 259.5/3$
 Left In: -39.137 ± 0.155 $\chi^2/\text{NDF}: 8534.5/22$

Left: -39.540 ± 0.109 $\chi^2/\text{NDF}: 18354.5/47$

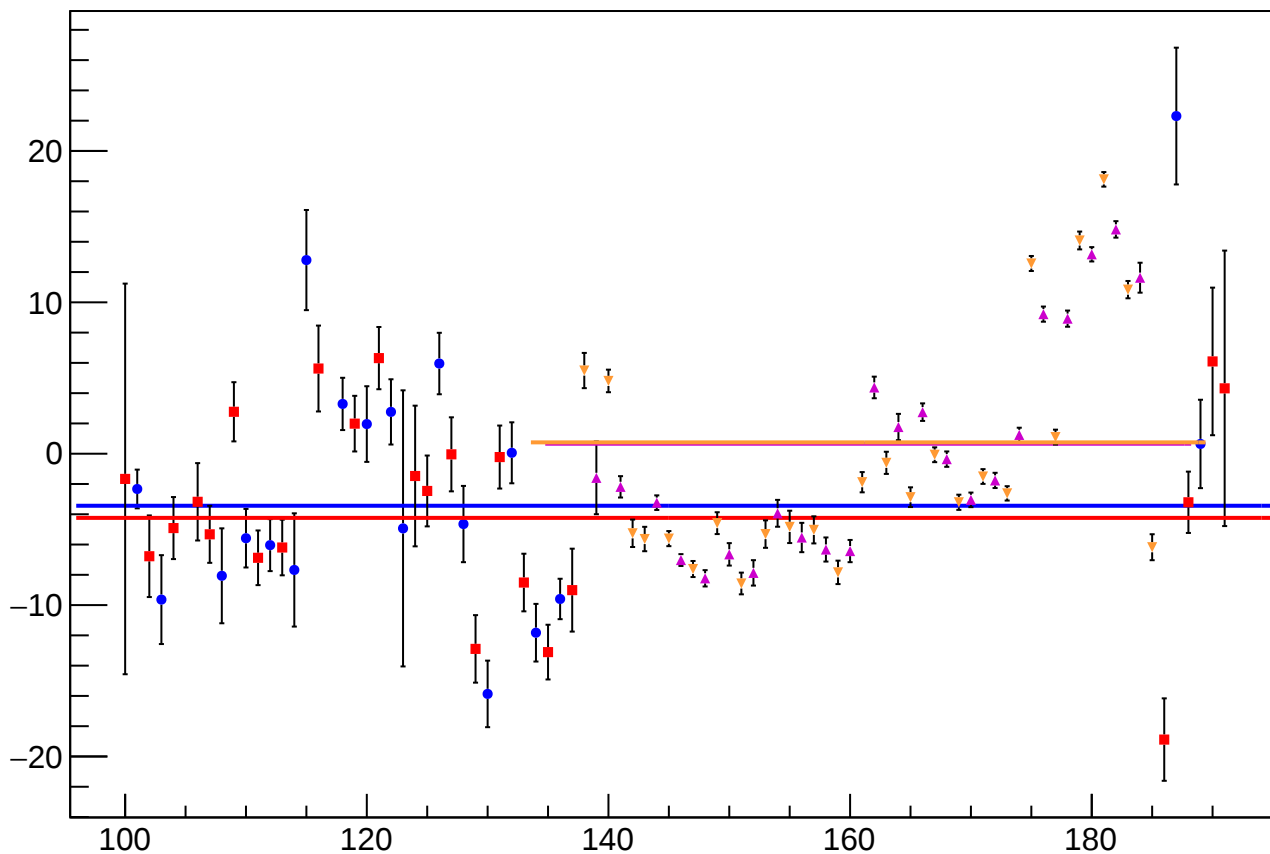
Right: -12.595 ± 0.982 $\chi^2/\text{NDF}: 315.4/5$

In: -39.045 ± 0.154 $\chi^2/\text{NDF}: 8589.4/24$

Out: -39.375 ± 0.152 $\chi^2/\text{NDF}: 10822.2/28$

All: -39.213 ± 0.108 $\chi^2/\text{NDF}: 19413.9/53$

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.438 ± 0.489 χ^2/NDF : 196.1/18

Left Out: 0.749 ± 0.124 χ^2/NDF : 3970.9/24

Right Out: -4.239 ± 0.481 χ^2/NDF : 157.0/22

Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

Left: 0.705 ± 0.088 χ^2/NDF : 7308.9/47

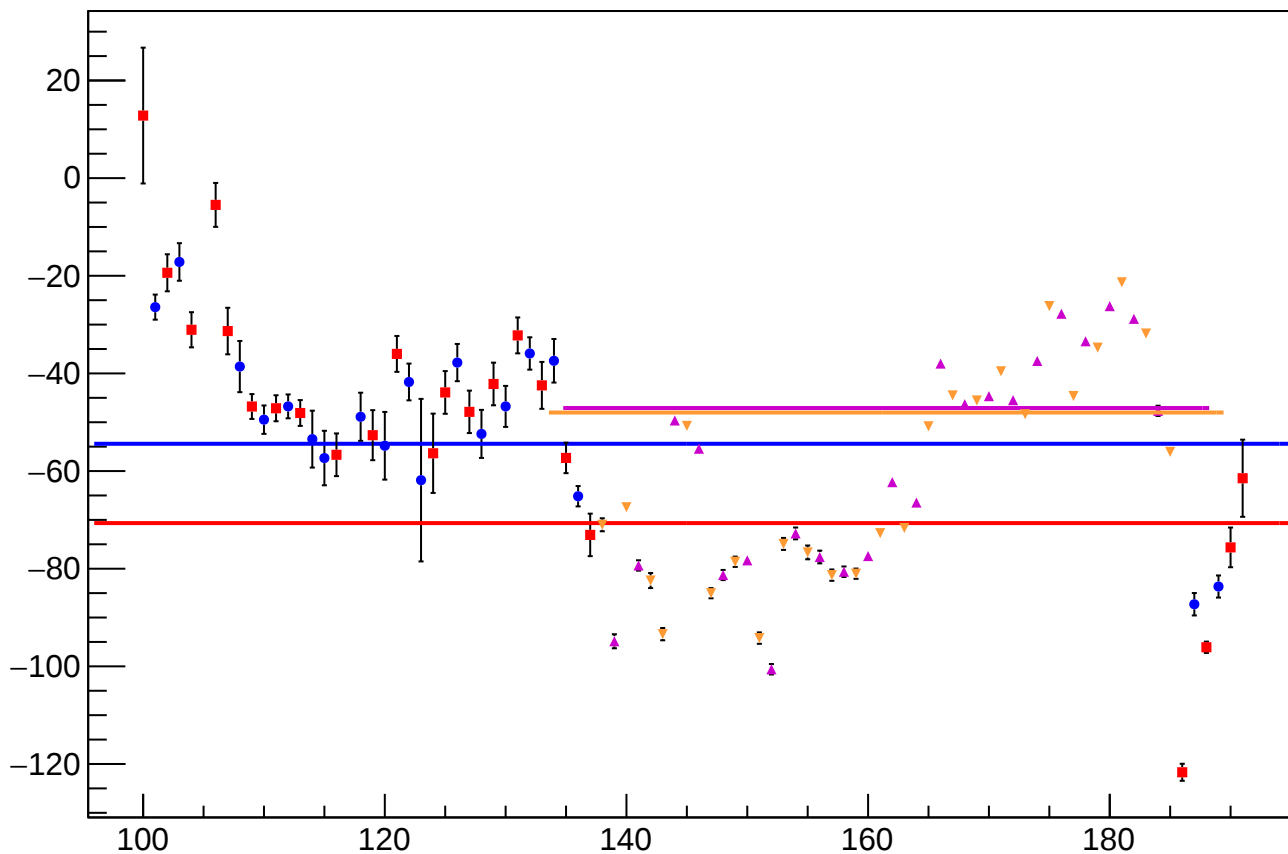
Right: -3.845 ± 0.343 χ^2/NDF : 354.5/41

In: 0.411 ± 0.121 χ^2/NDF : 3599.9/41

Out: 0.438 ± 0.120 χ^2/NDF : 4228.5/47

All: 0.425 ± 0.085 χ^2/NDF : 7828.3/89

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected

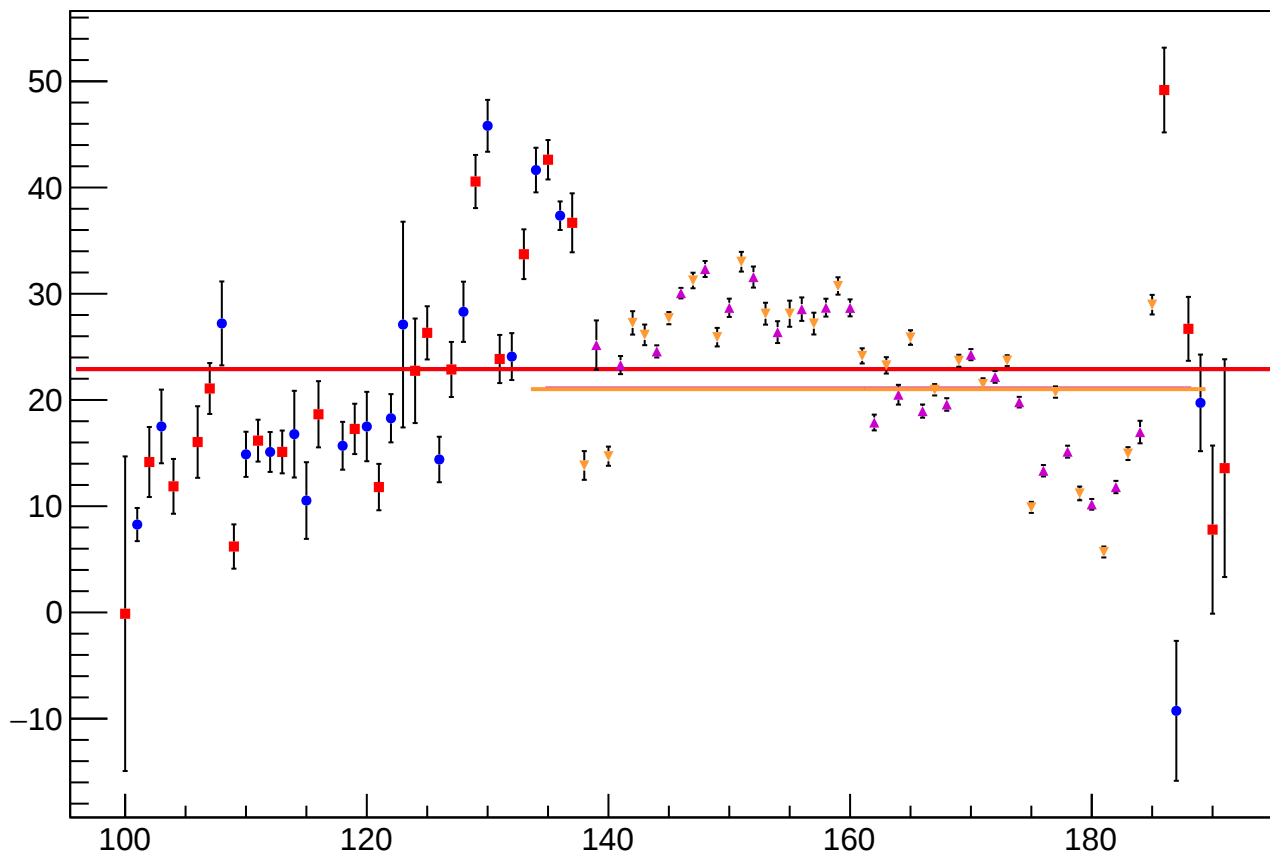


Right In: -54.410 ± 0.776 χ^2/NDF : 713.5/18
 Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24
 Right Out: -70.656 ± 0.640 χ^2/NDF : 2580.3/22
 Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

Left: -47.548 ± 0.110 χ^2/NDF : 32482.9/47
 Right: -64.078 ± 0.494 χ^2/NDF : 3554.8/41
 In: -47.367 ± 0.152 χ^2/NDF : 16314.5/41
 Out: -49.258 ± 0.150 χ^2/NDF : 20713.9/47

All: -48.325 ± 0.107 χ^2/NDF : 37106.4/89

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.904 $\pm$ 0.554 χ^2 /NDF: 481.5/18

Left Out: 21.020 $\pm$ 0.139 χ^2 /NDF:2799.3/24

Right Out: 22.909 $\pm$ 0.556 χ^2 /NDF: 416.8/22

Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

Left: 21.049 $\pm$ 0.098 χ^2 /NDF: 4972.6/47

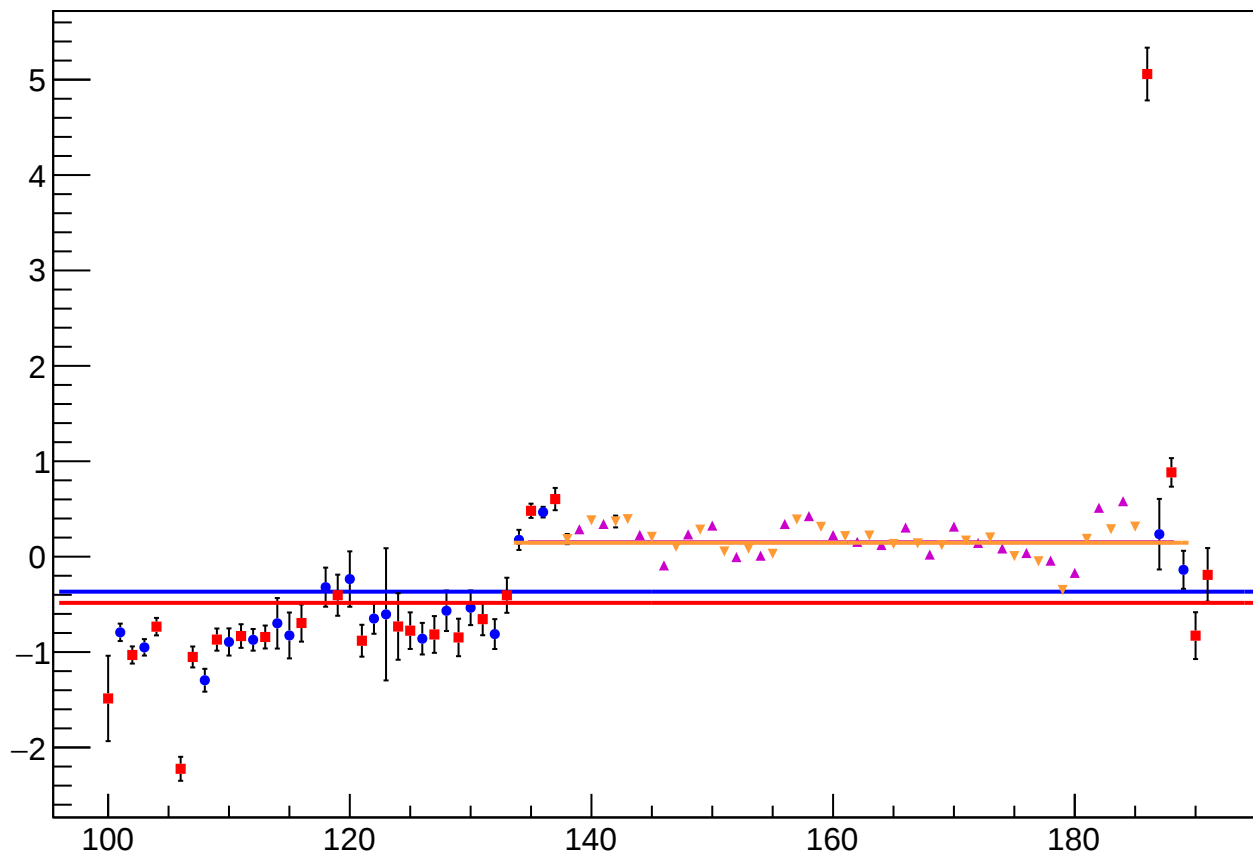
Right: 22.907 $\pm$ 0.392 χ^2 /NDF: 898.3/41

In: 21.188 $\pm$ 0.135 χ^2 /NDF:2665.0/41

Out: 21.131 $\pm$ 0.135 χ^2 /NDF:3226.9/47

All: 21.159 $\pm$ 0.095 χ^2 /NDF: 5891.9/89

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.367 ± 0.030 χ^2/NDF : 441.7/18

Left Out: 0.146 ± 0.006 χ^2/NDF : 610.2/24

Right Out: -0.484 ± 0.029 χ^2/NDF : 1056.0/22

Left In: 0.151 ± 0.006 χ^2/NDF : 869.5/22

Left: 0.149 ± 0.005 χ^2/NDF : 1480.1/47

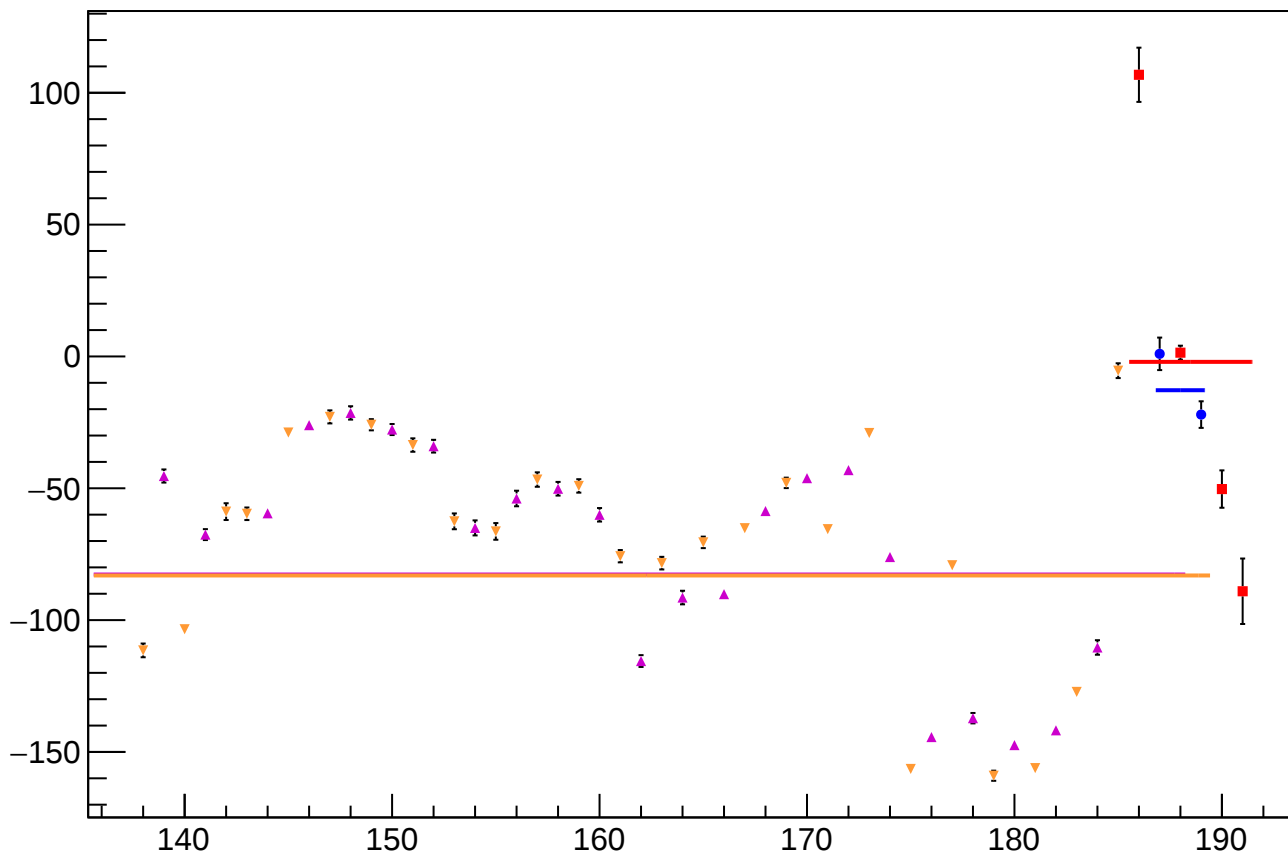
Right: -0.427 ± 0.021 χ^2/NDF : 1505.6/41

In: 0.128 ± 0.006 χ^2/NDF : 1601.9/41

Out: 0.118 ± 0.006 χ^2/NDF : 2114.1/47

All: 0.123 ± 0.004 χ^2/NDF : 3717.4/89

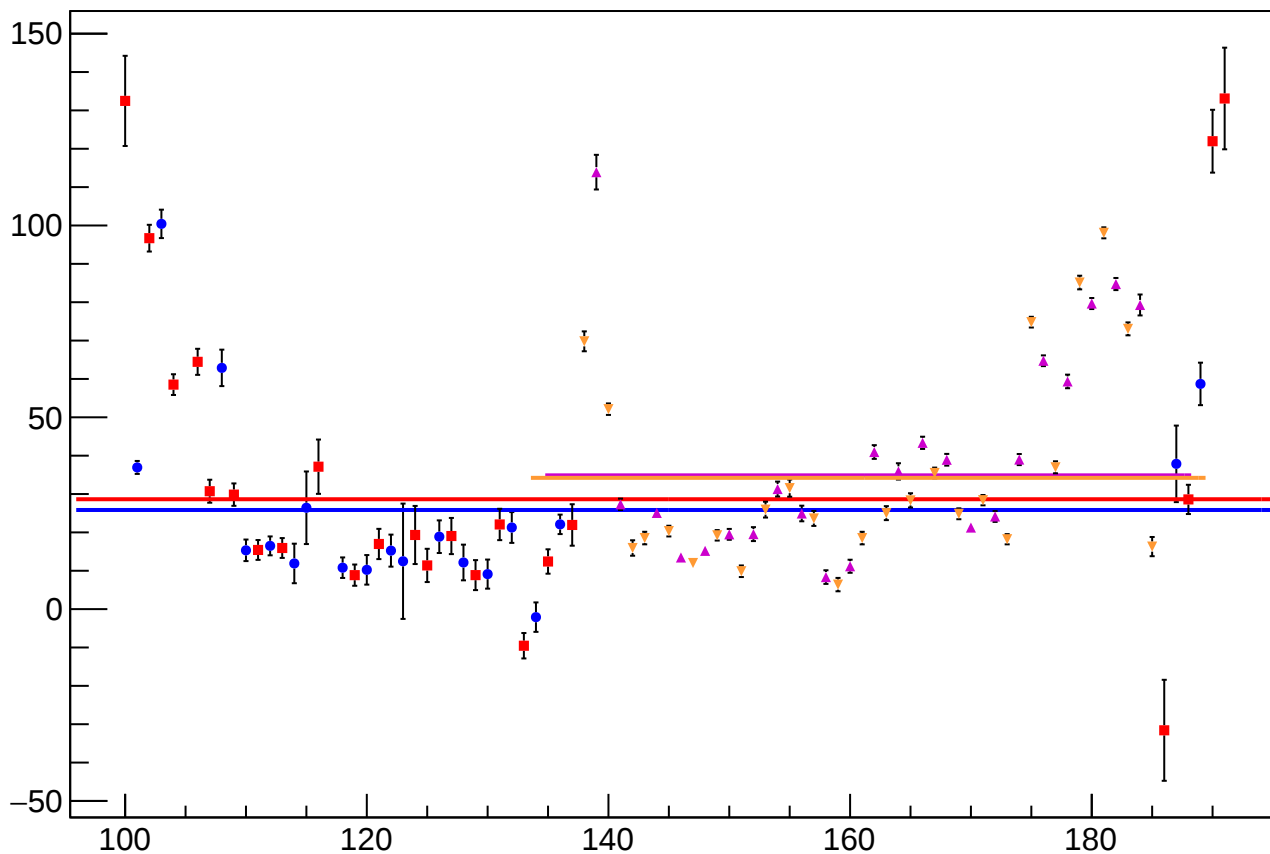
reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -12.810 ± 3.903 χ^2/NDF : 8.4/1
 Left Out: -83.068 ± 0.406 χ^2/NDF : 13817.3/24
 Right Out: -2.055 ± 2.371 χ^2/NDF : 209.3/3
 Left In: -82.711 ± 0.415 χ^2/NDF : 10841.4/22

Left: -82.893 ± 0.290 χ^2/NDF : 24659.1/47
 Right: -4.953 ± 2.026 χ^2/NDF : 223.2/5
 In: -81.929 ± 0.413 χ^2/NDF : 11166.9/24
 Out: -80.756 ± 0.401 χ^2/NDF : 15161.1/28
 All: -81.325 ± 0.287 χ^2/NDF : 26332.2/53

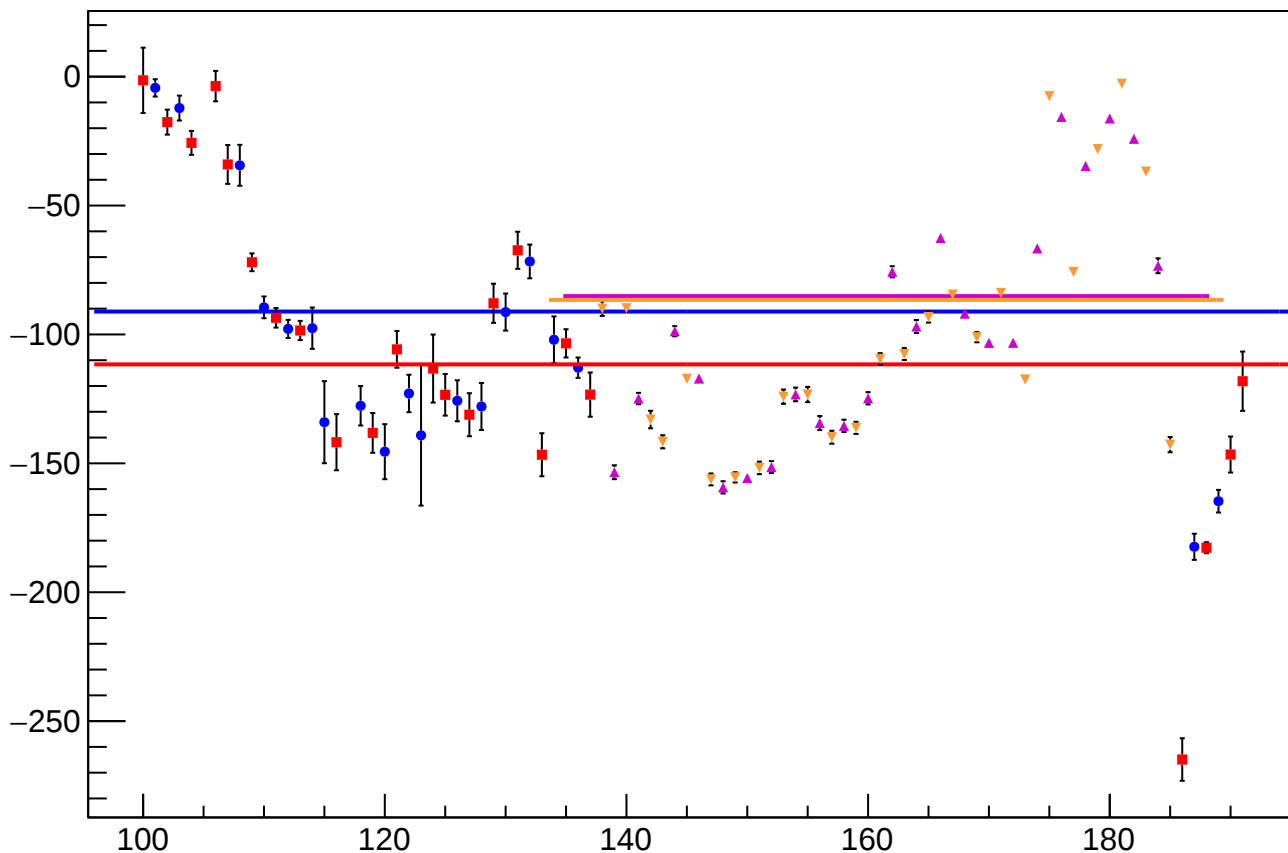
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.841 $\pm$ 0.797 χ^2 /NDF: 724.1/18
 Left Out: 34.219 $\pm$ 0.320 χ^2 /NDF:6192.6/24
 Right Out: 28.643 $\pm$ 0.787 χ^2 /NDF: 1228.3/22
 Left In: 34.870 $\pm$ 0.329 χ^2 /NDF:4716.1/22

Left: 34.535 $\pm$ 0.230 χ^2 /NDF: 10910.7/47
 Right: 27.260 $\pm$ 0.560 χ^2 /NDF: 1958.6/41
 In: 33.552 $\pm$ 0.304 χ^2 /NDF:5550.0/41
 Out: 33.426 $\pm$ 0.297 χ^2 /NDF:7464.0/47
 All: 33.488 $\pm$ 0.212 χ^2 /NDF: 13014.0/89

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.118 ± 1.305 $\chi^2/\text{NDF}: 1744.1/18$

Left Out: -86.595 ± 0.408 $\chi^2/\text{NDF}: 14515.7/24$

Right Out: -111.609 ± 1.114 $\chi^2/\text{NDF}: 2968.9/22$

Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

Left: -85.876 ± 0.291 $\chi^2/\text{NDF}: 27363.3/47$

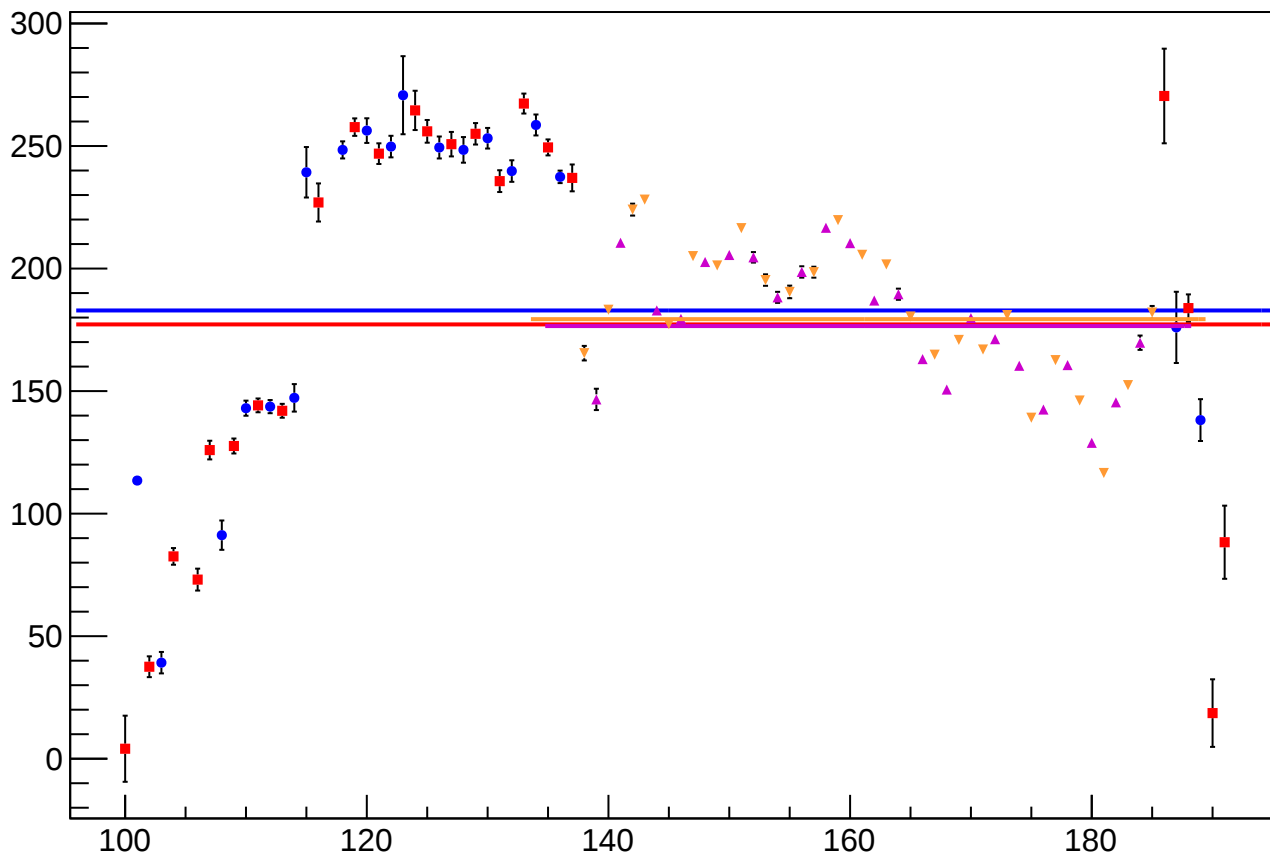
Right: -102.968 ± 0.847 $\chi^2/\text{NDF}: 4855.6/41$

In: -85.684 ± 0.395 $\chi^2/\text{NDF}: 14604.5/41$

Out: -89.559 ± 0.383 $\chi^2/\text{NDF}: 17928.9/47$

All: -87.681 ± 0.275 $\chi^2/\text{NDF}: 32582.9/89$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 182.901 $\pm$ 0.913 χ^2 /NDF: 5346.3/18

Left Out: 179.359 $\pm$ 0.362 χ^2 /NDF: 5982.2/24

Right Out: 177.209 $\pm$ 0.908 χ^2 /NDF: 6529.6/22

Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

Left: 177.980 $\pm$ 0.259 χ^2 /NDF: 10438.0/47

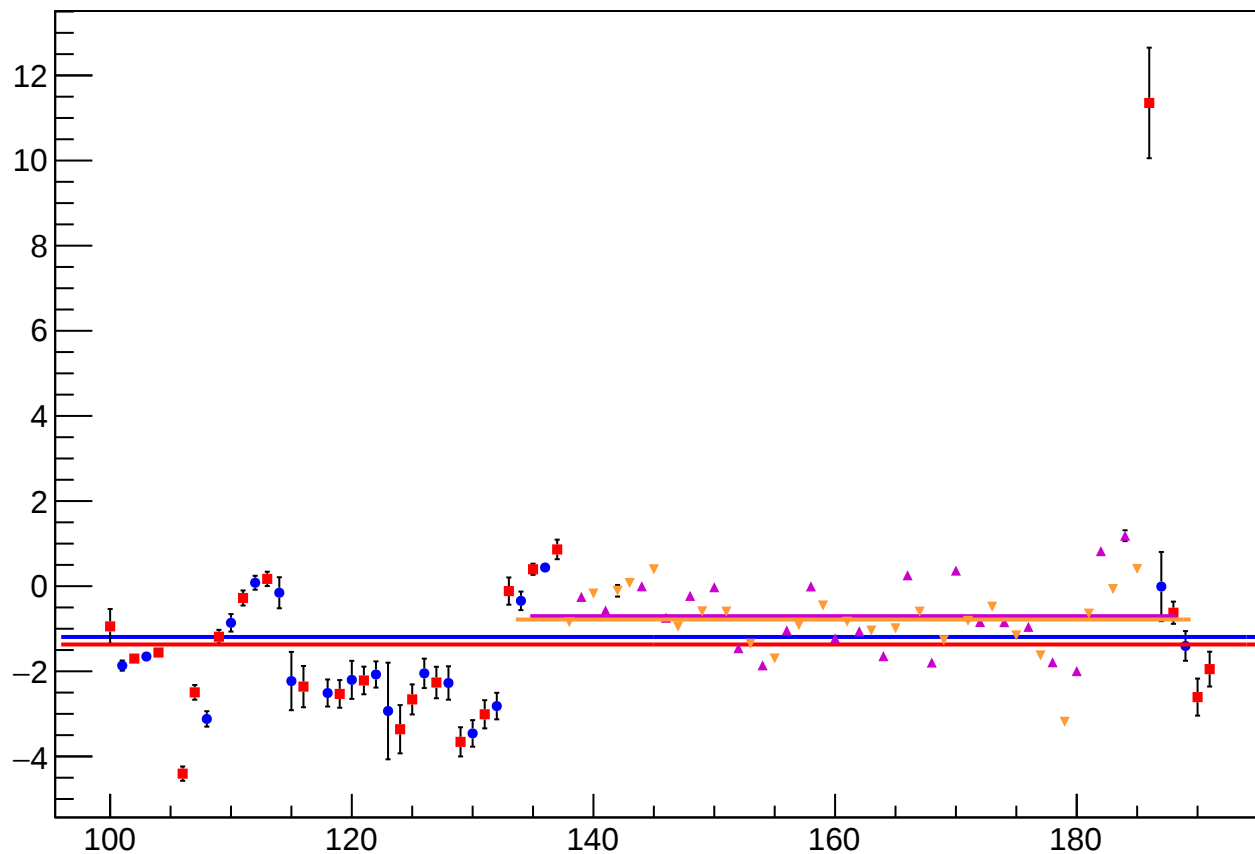
Right: 180.039 $\pm$ 0.644 χ^2 /NDF: 11895.4/41

In: 177.433 $\pm$ 0.344 χ^2 /NDF: 9814.0/41

Out: 179.064 $\pm$ 0.336 χ^2 /NDF: 12516.6/47

All: 178.267 $\pm$ 0.240 χ^2 /NDF: 22342.2/89

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193+/-0.048 χ^2/NDF : 622.9/18

Left Out: -0.783+/-0.017 χ^2/NDF :1771.6/24

Right Out: -1.370+/-0.045 χ^2/NDF : 1033.8/22

Left In: -0.705+/-0.017 χ^2/NDF :2407.7/22

Left: -0.745+/-0.012 χ^2/NDF : 4190.3/47

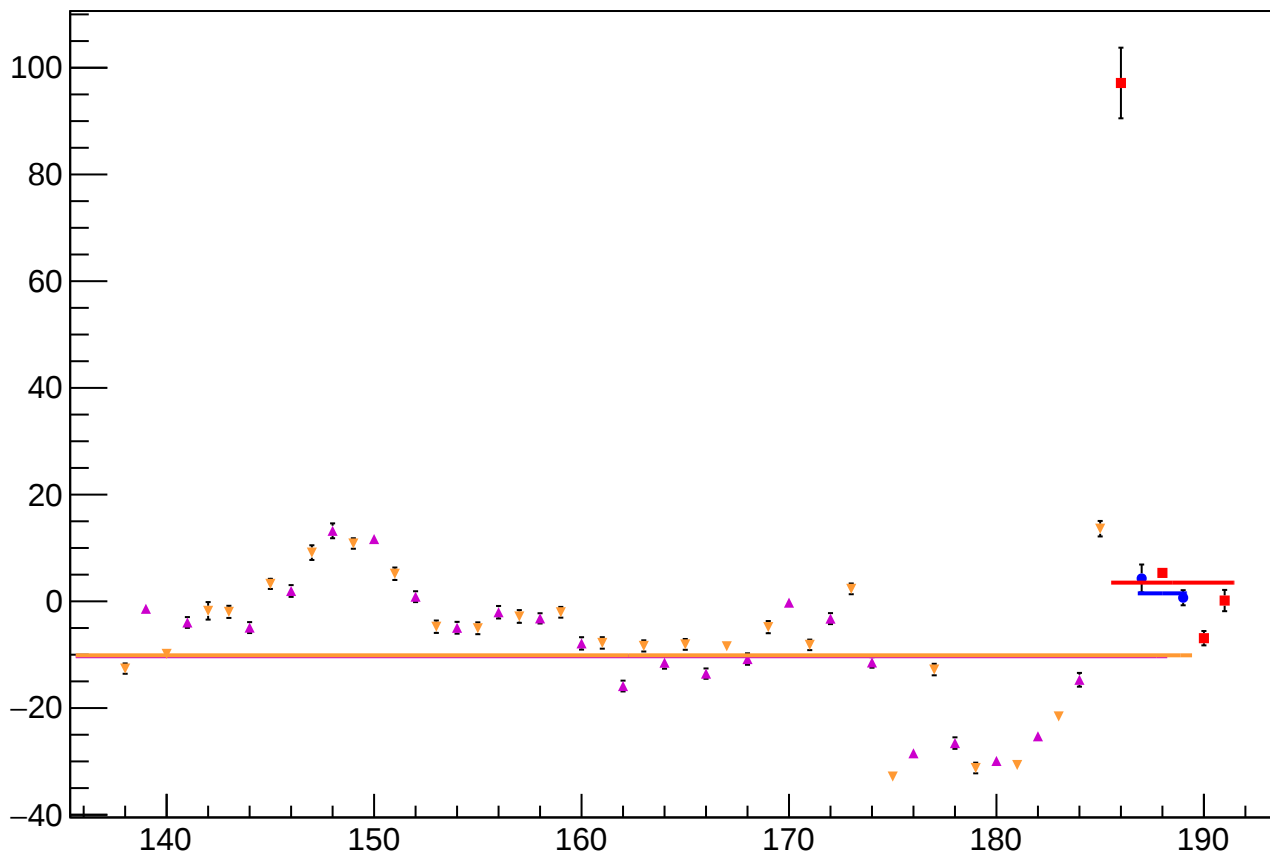
Right: -1.287+/-0.033 χ^2/NDF : 1664.0/41

In: -0.759+/-0.016 χ^2/NDF :3123.8/41

Out: -0.855+/-0.016 χ^2/NDF :2957.1/47

All: -0.808+/-0.011 χ^2/NDF : 6099.2/89

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.496 ± 1.246 $\chi^2/\text{NDF}: 1.5/1$

Left Out: -10.117 ± 0.201 $\chi^2/\text{NDF}: 4138.1/24$

Right Out: 3.505 ± 0.553 $\chi^2/\text{NDF}: 270.9/3$

Left In: -10.290 ± 0.205 $\chi^2/\text{NDF}: 3451.0/22$

Left: -10.202 ± 0.144 $\chi^2/\text{NDF}: 7589.5/47$

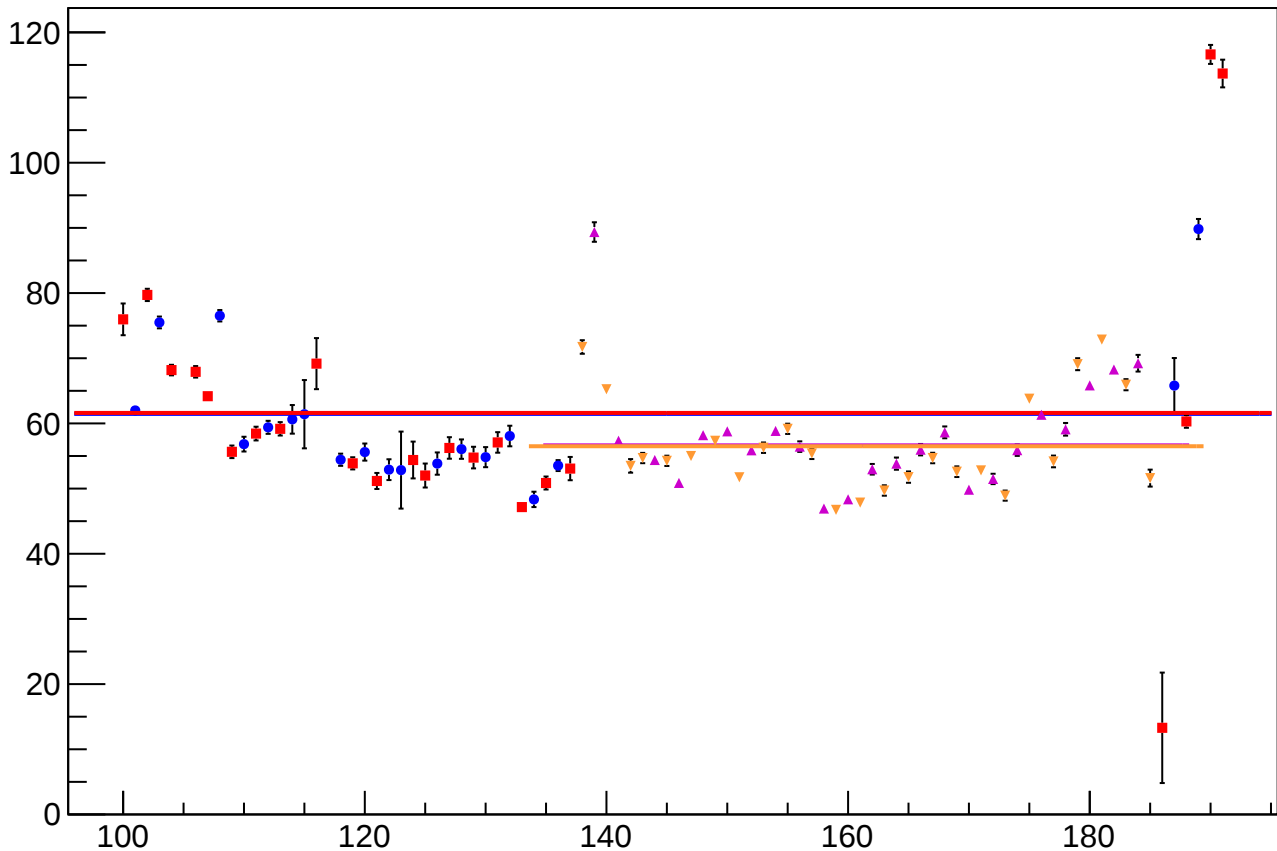
Right: 3.175 ± 0.506 $\chi^2/\text{NDF}: 274.5/5$

In: -9.979 ± 0.203 $\chi^2/\text{NDF}: 3539.5/24$

Out: -8.522 ± 0.189 $\chi^2/\text{NDF}: 4944.6/28$

All: -9.201 ± 0.138 $\chi^2/\text{NDF}: 8511.7/53$

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 61.463+/-0.259 χ^2/NDF : 1271.3/18

Left Out: 56.496+/-0.159 χ^2/NDF :1968.0/24

Right Out: 61.609+/-0.236 χ^2/NDF : 3461.9/22

Left In: 56.635+/-0.165 χ^2/NDF :1607.9/22

Left: 56.563+/-0.114 χ^2/NDF : 3576.3/47

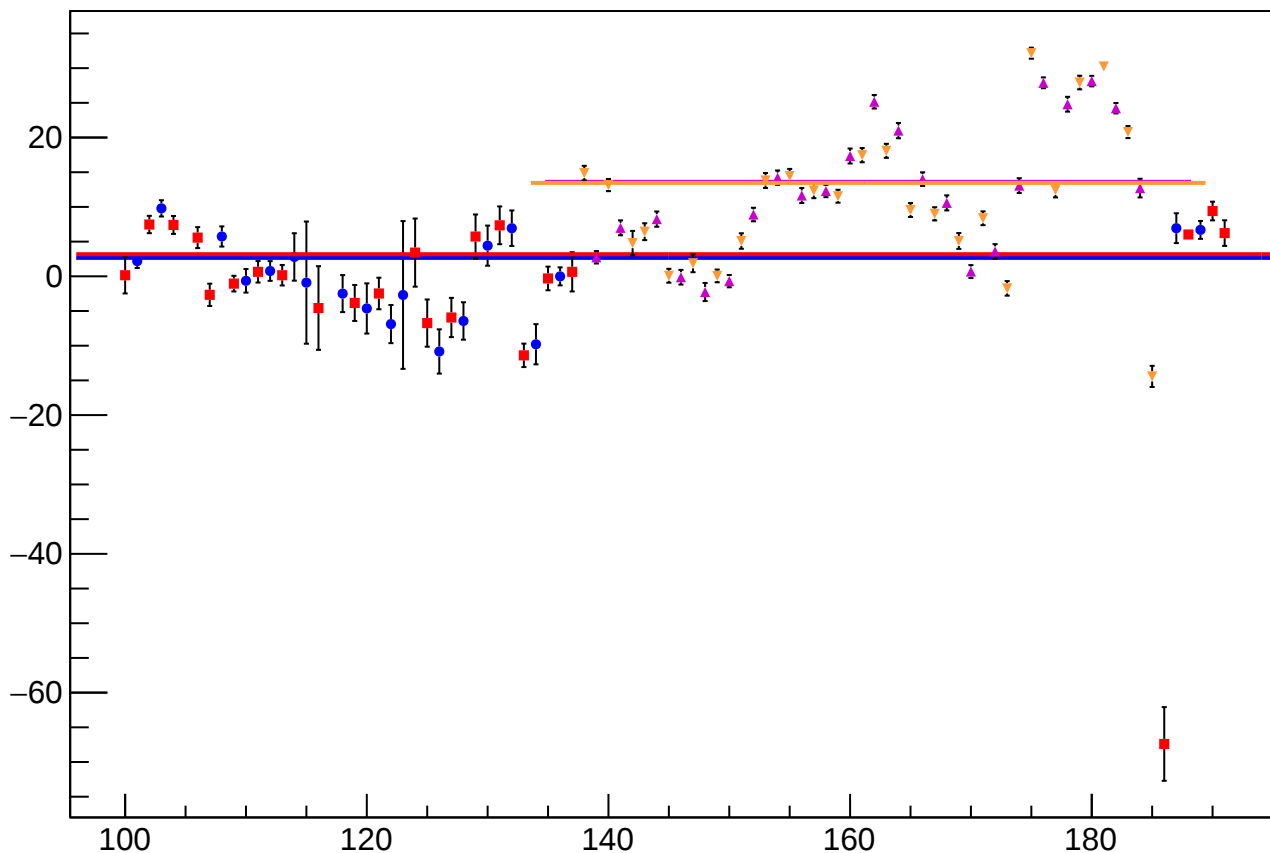
Right: 61.543+/-0.174 χ^2/NDF : 4733.4/41

In: 58.030+/-0.139 χ^2/NDF :3126.1/41

Out: 58.095+/-0.132 χ^2/NDF :5753.7/47

All: 58.064+/-0.096 χ^2/NDF : 8879.9/89

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.659 ± 0.424 χ^2/NDF : 136.3/18

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 3.186 ± 0.314 χ^2/NDF : 407.6/22

Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

Left: 13.540 ± 0.144 χ^2/NDF : 5052.0/47

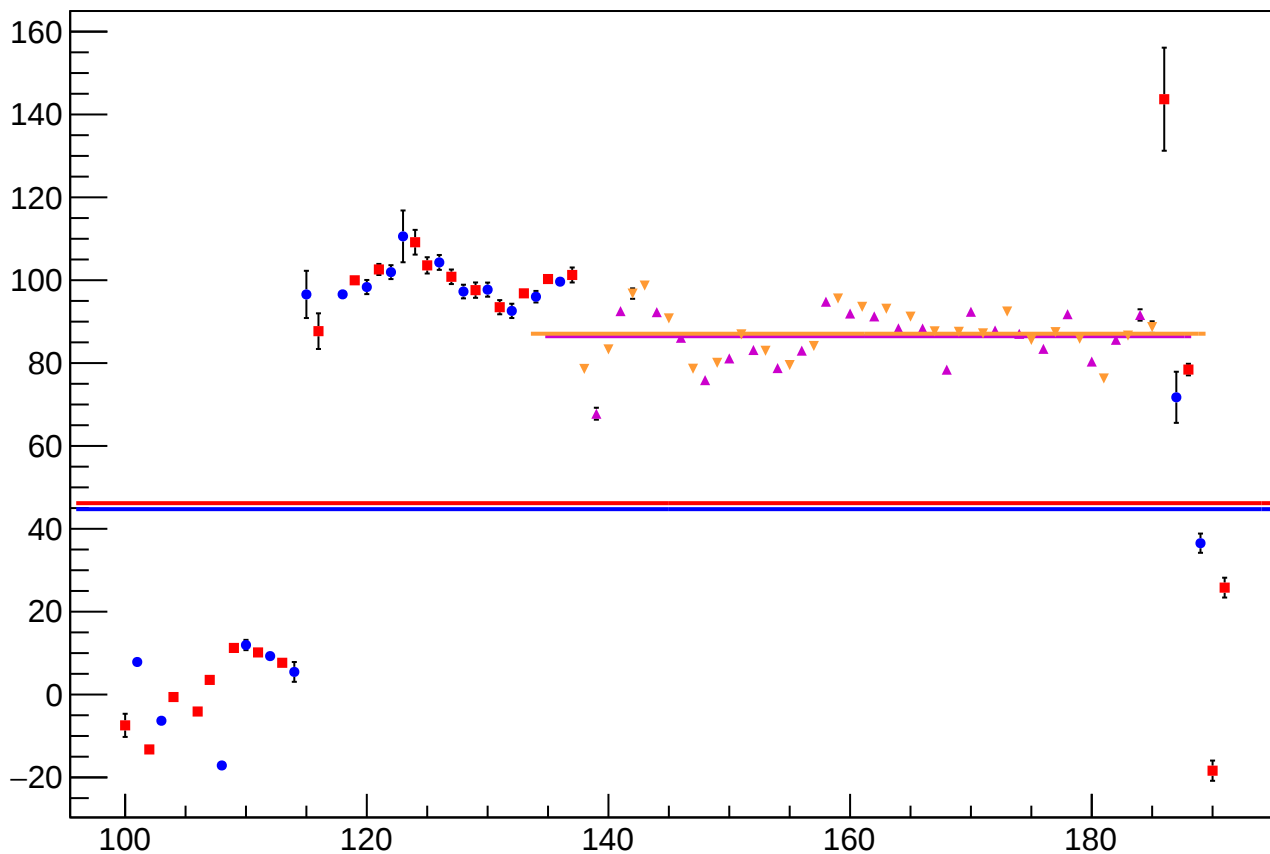
Right: 2.999 ± 0.253 χ^2/NDF : 544.8/41

In: 11.555 ± 0.184 χ^2/NDF : 2993.2/41

Out: 10.468 ± 0.170 χ^2/NDF : 3901.6/47

All: 10.967 ± 0.125 χ^2/NDF : 6913.6/89

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.742 $\pm$ 0.302 χ^2 /NDF: 24731.8/18

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 46.187 $\pm$ 0.280 χ^2 /NDF: 29582.2/22

Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

Left: 86.794 $\pm$ 0.129 χ^2 /NDF: 2094.5/47

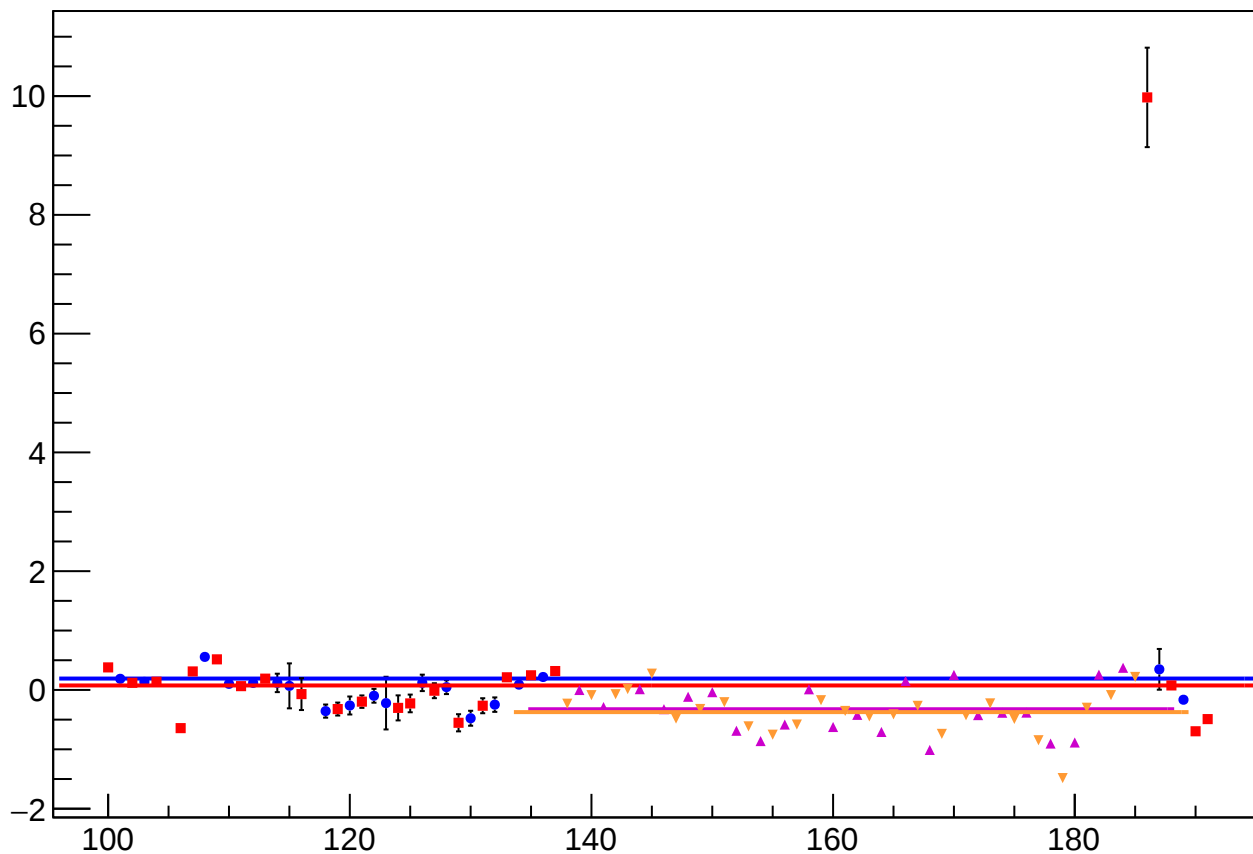
Right: 45.520 $\pm$ 0.205 χ^2 /NDF: 54326.4/41

In: 75.130 $\pm$ 0.158 χ^2 /NDF:39638.1/41

Out: 75.201 $\pm$ 0.151 χ^2 /NDF:45826.6/47

All: 75.167 $\pm$ 0.109 χ^2 /NDF: 85464.8/89

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.192 ± 0.014 χ^2/NDF : 235.9/18

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: 0.075 ± 0.012 χ^2/NDF : 823.7/22

Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

Left: -0.349 ± 0.006 χ^2/NDF : 3970.2/47

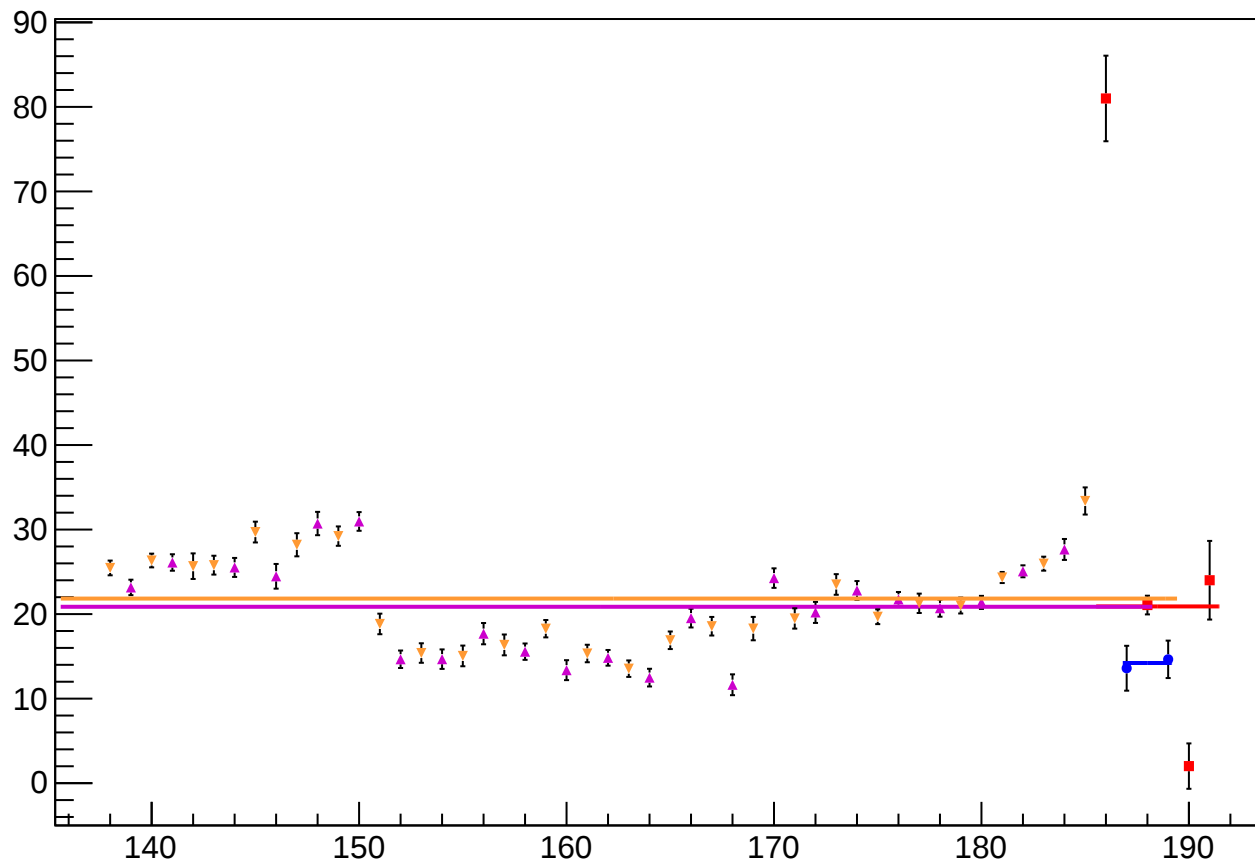
Right: 0.127 ± 0.009 χ^2/NDF : 1099.0/41

In: -0.191 ± 0.007 χ^2/NDF : 3551.4/41

Out: -0.238 ± 0.007 χ^2/NDF : 3414.0/47

All: -0.215 ± 0.005 χ^2/NDF : 6988.5/89

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 14.216 $\pm$ 1.700 χ^2 /NDF: 0.1/1

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF:524.3/24

Right Out: 20.907 $\pm$ 0.981 χ^2 /NDF: 190.9/3

Left In: 20.866 $\pm$ 0.217 χ^2 /NDF:576.9/22

Left: 21.366 $\pm$ 0.151 χ^2 /NDF: 1111.6/47

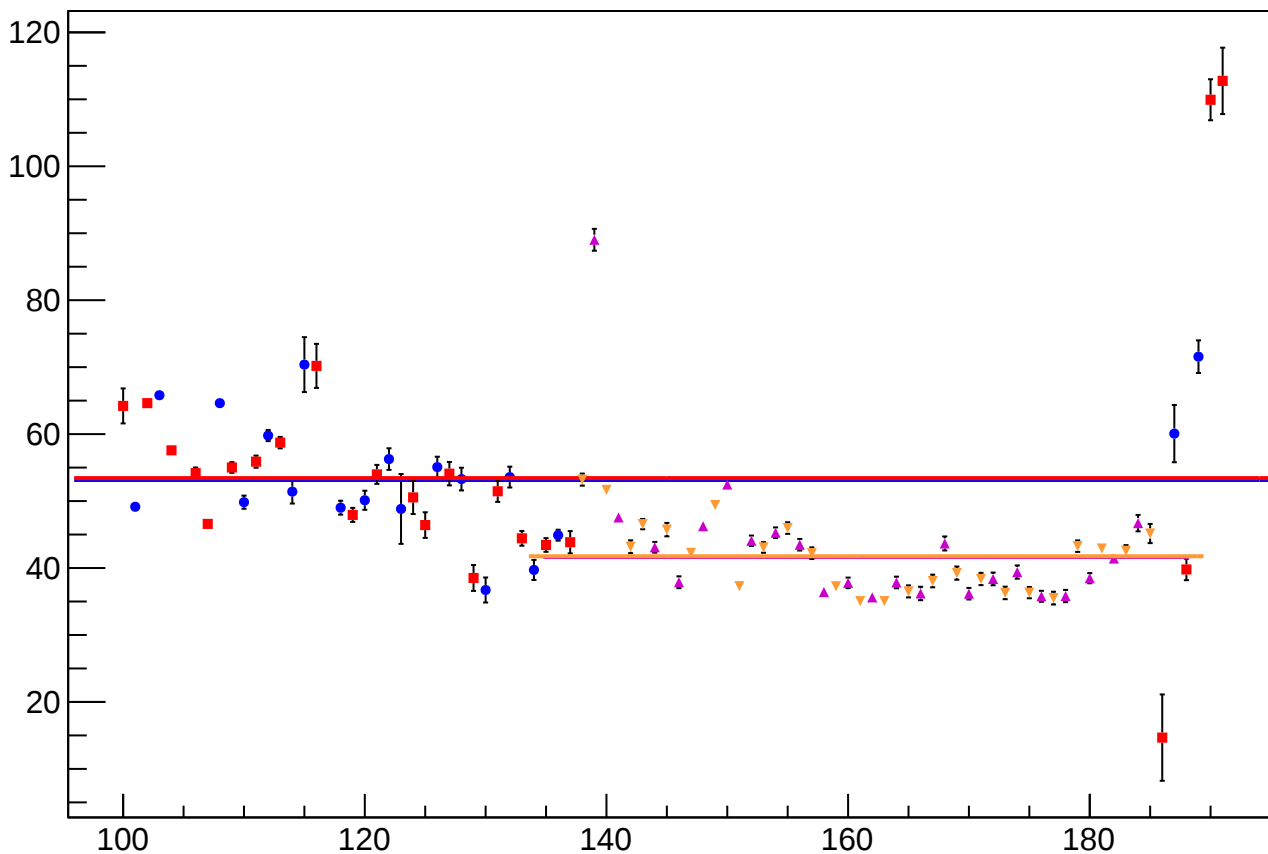
Right: 19.237 $\pm$ 0.849 χ^2 /NDF: 202.6/5

In: 20.759 $\pm$ 0.215 χ^2 /NDF:592.0/24

Out: 21.795 $\pm$ 0.205 χ^2 /NDF:716.1/28

All: 21.301 $\pm$ 0.148 χ^2 /NDF: 1320.3/53

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 53.149 $\pm$ 0.210 χ^2 /NDF: 1258.1/18

Left Out: 41.757 $\pm$ 0.165 χ^2 /NDF:1015.7/24

Right Out: 53.430 $\pm$ 0.224 χ^2 /NDF: 1468.9/22

Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

Left: 41.703 $\pm$ 0.120 χ^2 /NDF: 2626.9/47

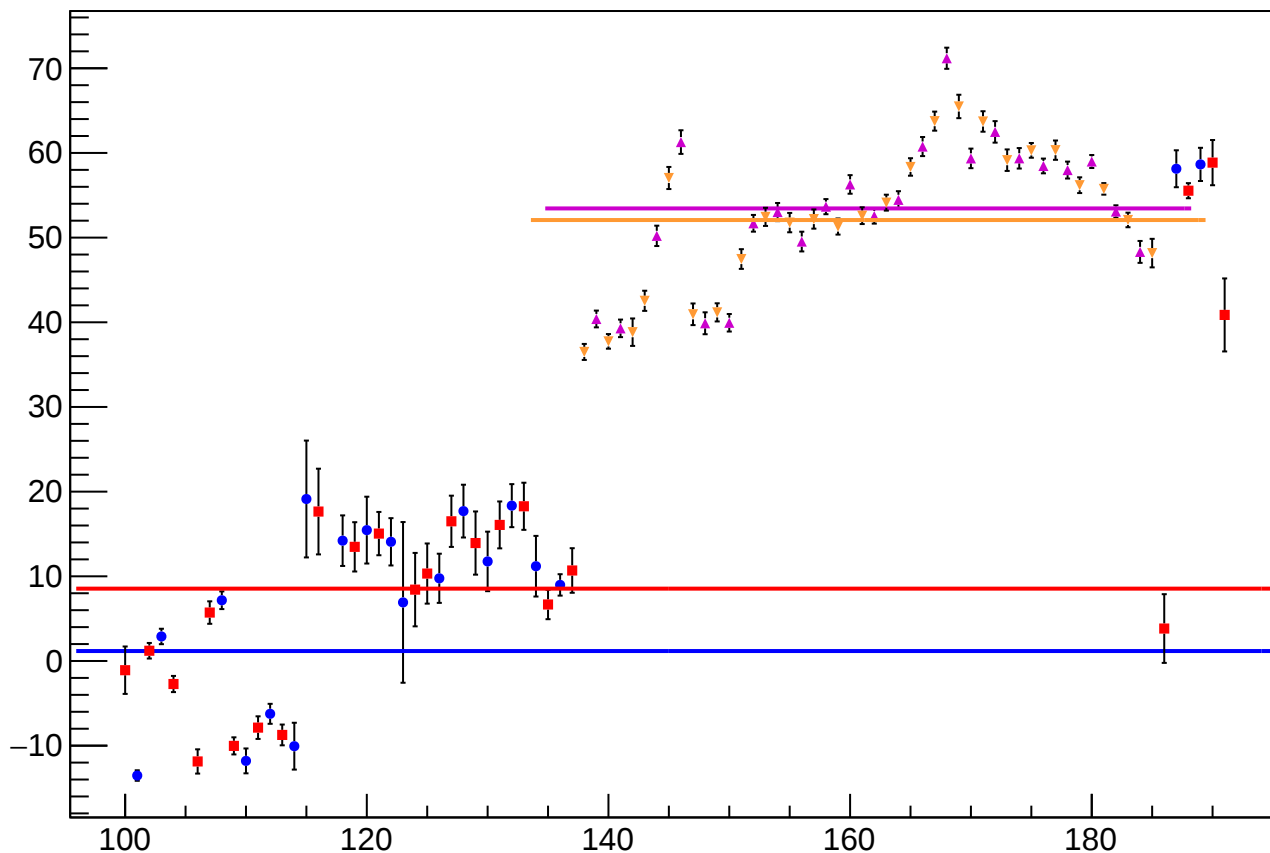
Right: 53.281 $\pm$ 0.153 χ^2 /NDF: 2727.9/41

In: 46.319 $\pm$ 0.134 χ^2 /NDF:4650.9/41

Out: 45.883 $\pm$ 0.133 χ^2 /NDF:4246.2/47

All: 46.100 $\pm$ 0.094 χ^2 /NDF: 8902.4/89

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.175 ± 0.354 χ^2/NDF : 2469.7/18

Left Out: 52.076 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: 8.544 ± 0.342 χ^2/NDF : 4336.3/22

Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

Left: 52.744 ± 0.150 χ^2/NDF : 2640.6/47

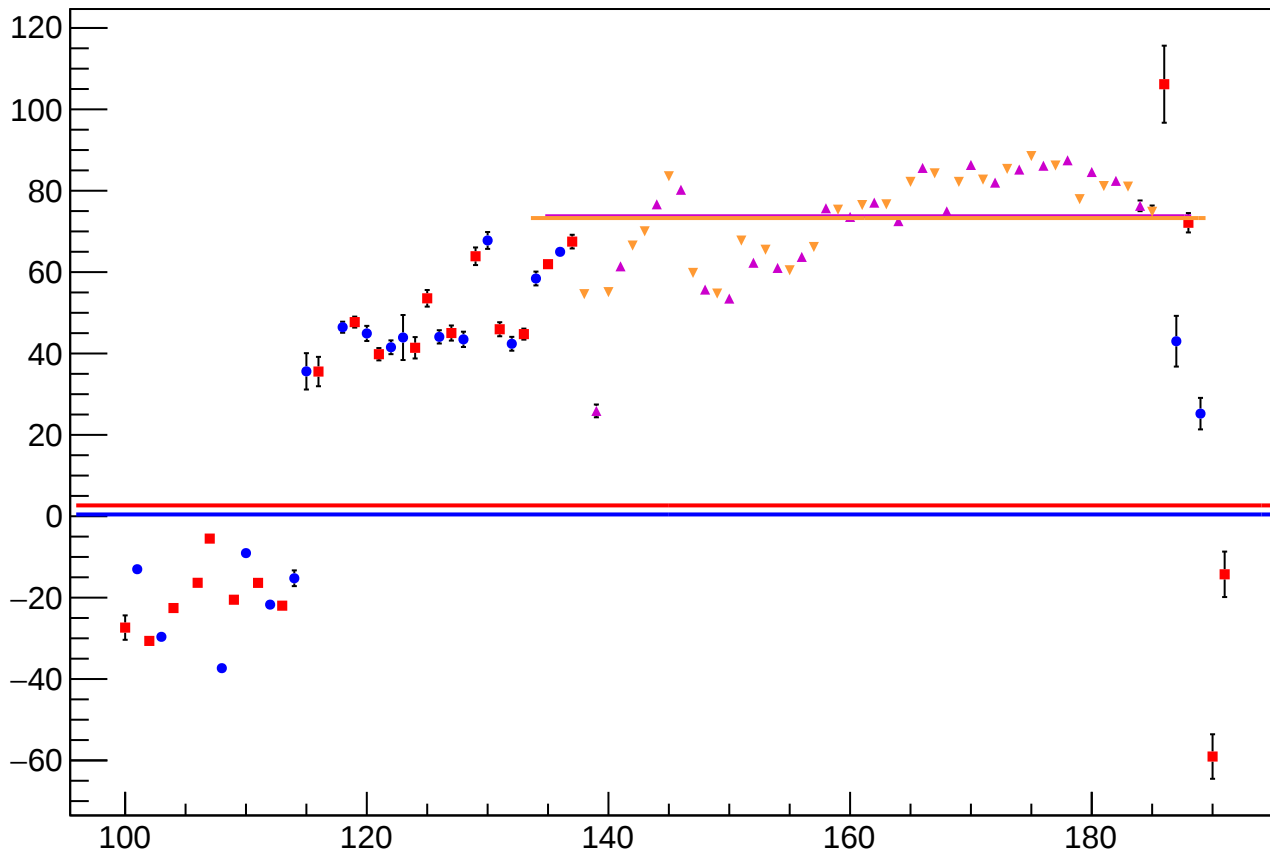
Right: 4.981 ± 0.246 χ^2/NDF : 7030.1/41

In: 39.313 ± 0.184 χ^2/NDF : 19569.9/41

Out: 40.169 ± 0.179 χ^2/NDF : 17539.9/47

All: 39.753 ± 0.128 χ^2/NDF : 37121.0/89

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.444 $\pm$ 0.247 χ^2 /NDF: 18308.1/18

Left Out: 73.284 $\pm$ 0.187 χ^2 /NDF:3144.2/24

Right Out: 2.665 $\pm$ 0.264 χ^2 /NDF: 16527.1/22

Left In: 73.730 $\pm$ 0.194 χ^2 /NDF:3775.8/22

Left: 73.498 $\pm$ 0.135 χ^2 /NDF: 6922.7/47

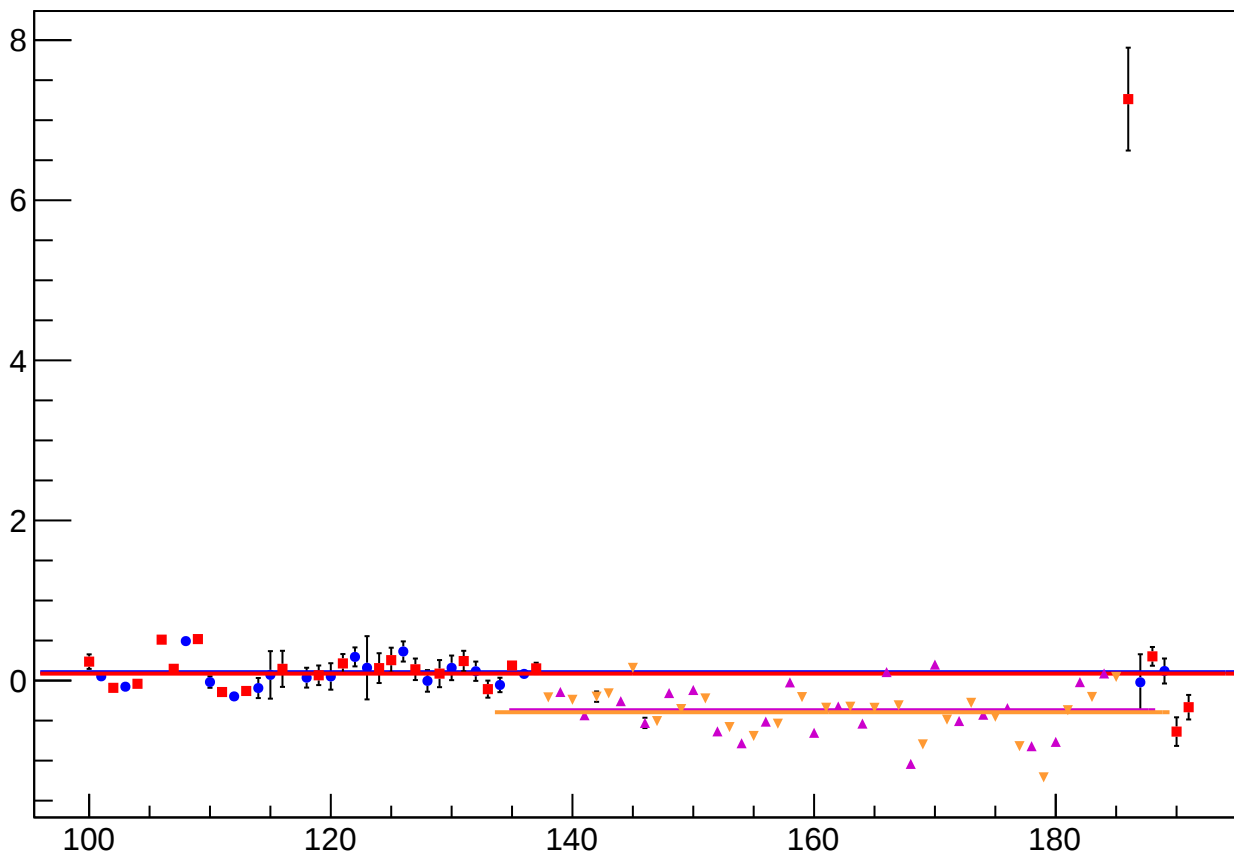
Right: 1.478 $\pm$ 0.180 χ^2 /NDF: 34872.9/41

In: 45.702 $\pm$ 0.153 χ^2 /NDF:76473.9/41

Out: 49.765 $\pm$ 0.153 χ^2 /NDF:67246.1/47

All: 47.735 $\pm$ 0.108 χ^2 /NDF: 144074.2/89

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 401.0/18$

Left Out: -0.396 ± 0.009 $\chi^2/\text{NDF}: 950.0/24$

Right Out: 0.087 ± 0.011 $\chi^2/\text{NDF}: 542.8/22$

Left In: -0.371 ± 0.009 $\chi^2/\text{NDF}: 1313.7/22$

Left: -0.383 ± 0.006 $\chi^2/\text{NDF}: 2268.0/47$

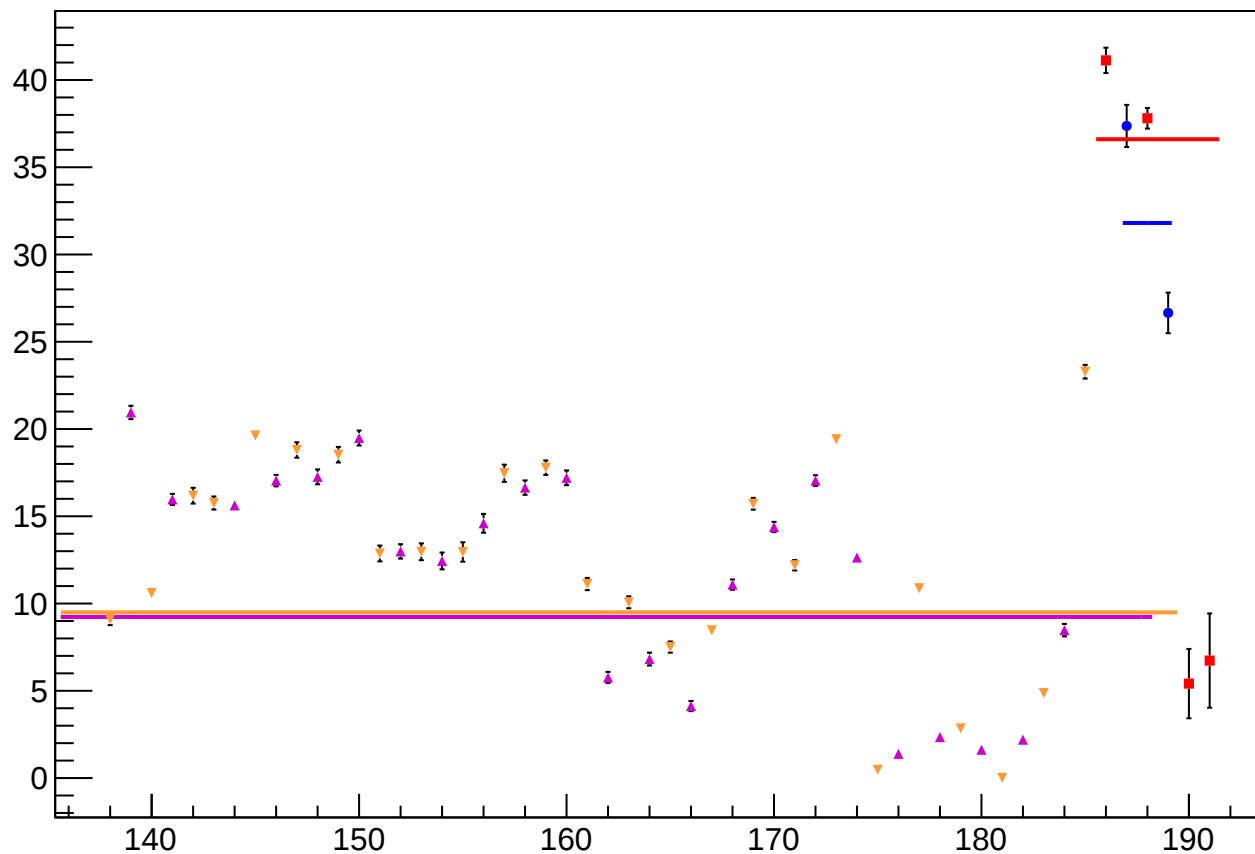
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 945.1/41$

In: -0.188 ± 0.007 $\chi^2/\text{NDF}: 2861.7/41$

Out: -0.212 ± 0.007 $\chi^2/\text{NDF}: 2703.6/47$

All: -0.200 ± 0.005 $\chi^2/\text{NDF}: 5571.8/89$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 31.807 $\pm$ 0.838 χ^2 /NDF: 40.8/1

Left Out: 9.495 $\pm$ 0.061 χ^2 /NDF:12609.1/24

Right Out: 36.606 $\pm$ 0.441 χ^2 /NDF: 411.6/3

Left In: 9.231 $\pm$ 0.063 χ^2 /NDF:10736.2/22

Left: 9.367 $\pm$ 0.044 χ^2 /NDF: 23354.3/47

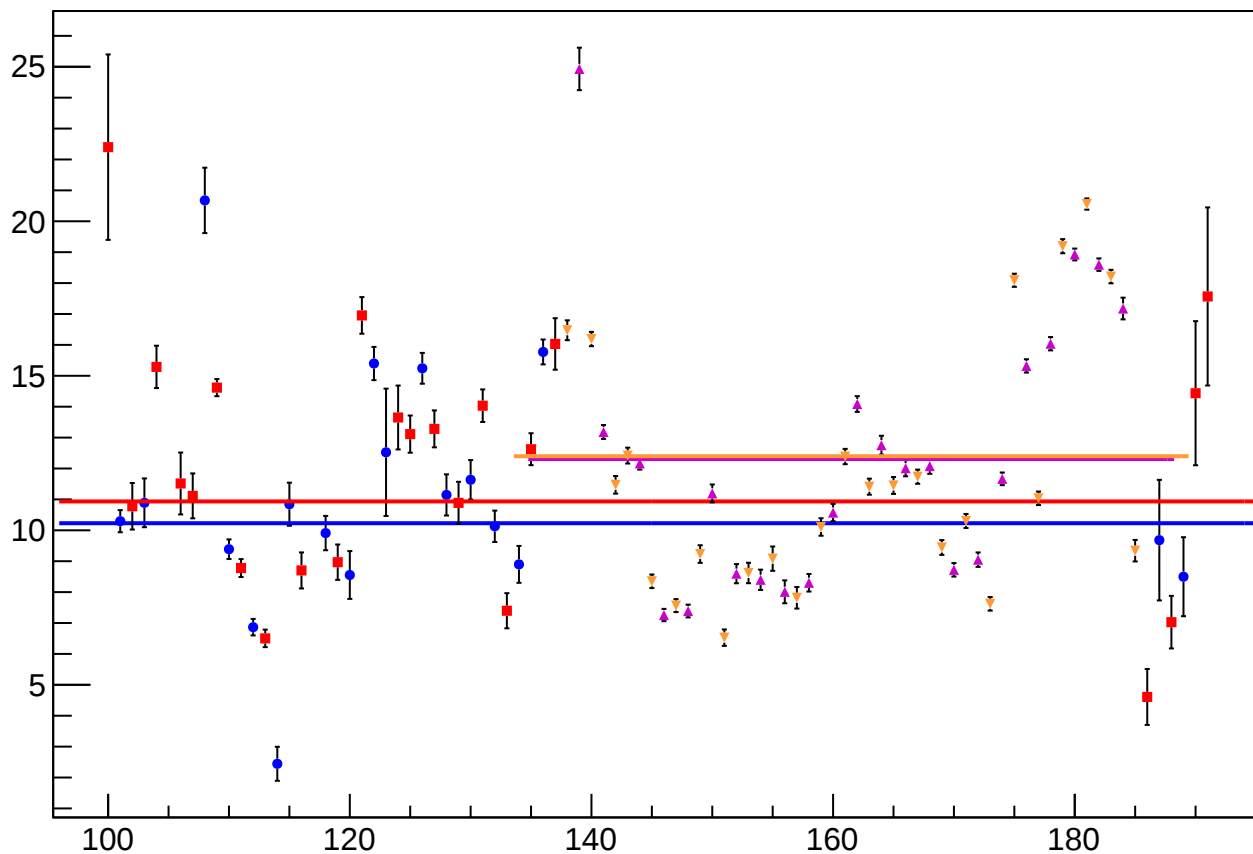
Right: 35.566 $\pm$ 0.390 χ^2 /NDF: 478.1/5

In: 9.358 $\pm$ 0.063 χ^2 /NDF:11498.8/24

Out: 10.008 $\pm$ 0.061 χ^2 /NDF:16732.4/28

All: 9.695 $\pm$ 0.044 χ^2 /NDF: 28286.6/53

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.229 $\pm$ 0.119 χ^2 /NDF: 868.0/18

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 10.934 $\pm$ 0.114 χ^2 /NDF: 896.0/22

Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

Left: 12.353 $\pm$ 0.036 χ^2 /NDF: 13146.3/47

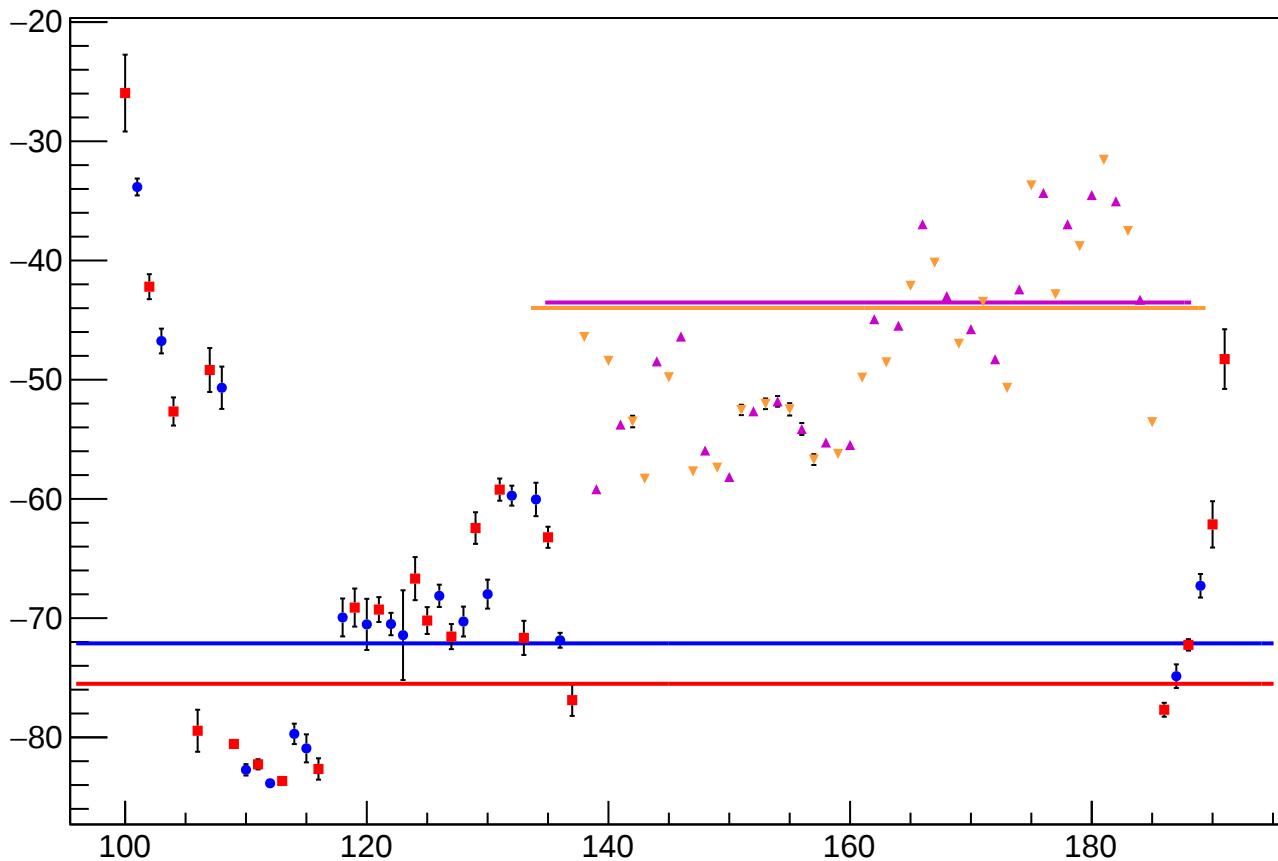
Right: 10.596 $\pm$ 0.082 χ^2 /NDF: 1782.3/41

In: 11.982 $\pm$ 0.047 χ^2 /NDF: 6727.4/41

Out: 12.164 $\pm$ 0.046 χ^2 /NDF: 8576.6/47

All: 12.076 $\pm$ 0.033 χ^2 /NDF: 15311.8/89

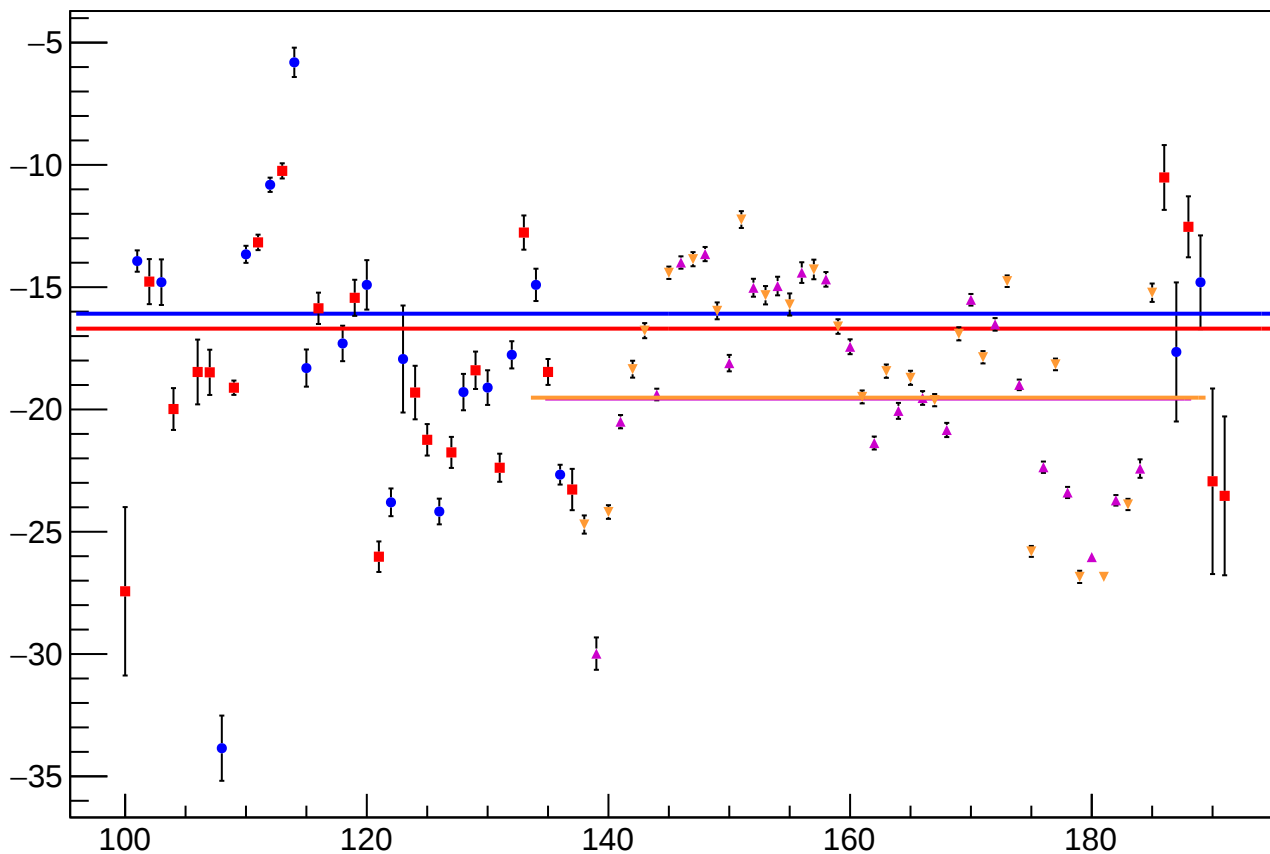
reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.116 ± 0.191 $\chi^2/\text{NDF}: 5594.4/18$
 Left Out: -43.982 ± 0.062 $\chi^2/\text{NDF}: 17736.8/24$
 Right Out: -75.506 ± 0.162 $\chi^2/\text{NDF}: 3693.8/22$
 Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

Left: -43.757 ± 0.044 $\chi^2/\text{NDF}: 33030.8/47$
 Right: -74.090 ± 0.123 $\chi^2/\text{NDF}: 9471.7/41$
 In: -46.356 ± 0.060 $\chi^2/\text{NDF}: 41065.5/41$
 Out: -48.012 ± 0.058 $\chi^2/\text{NDF}: 54548.6/47$
 All: -47.216 ± 0.042 $\chi^2/\text{NDF}: 96008.0/89$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.084 ± 0.132 $\chi^2/\text{NDF}: 1621.4/18$

Left Out: -19.517 ± 0.056 $\chi^2/\text{NDF}: 6518.3/24$

Right Out: -16.695 ± 0.127 $\chi^2/\text{NDF}: 1251.7/22$

Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

Left: -19.536 ± 0.040 $\chi^2/\text{NDF}: 10829.6/47$

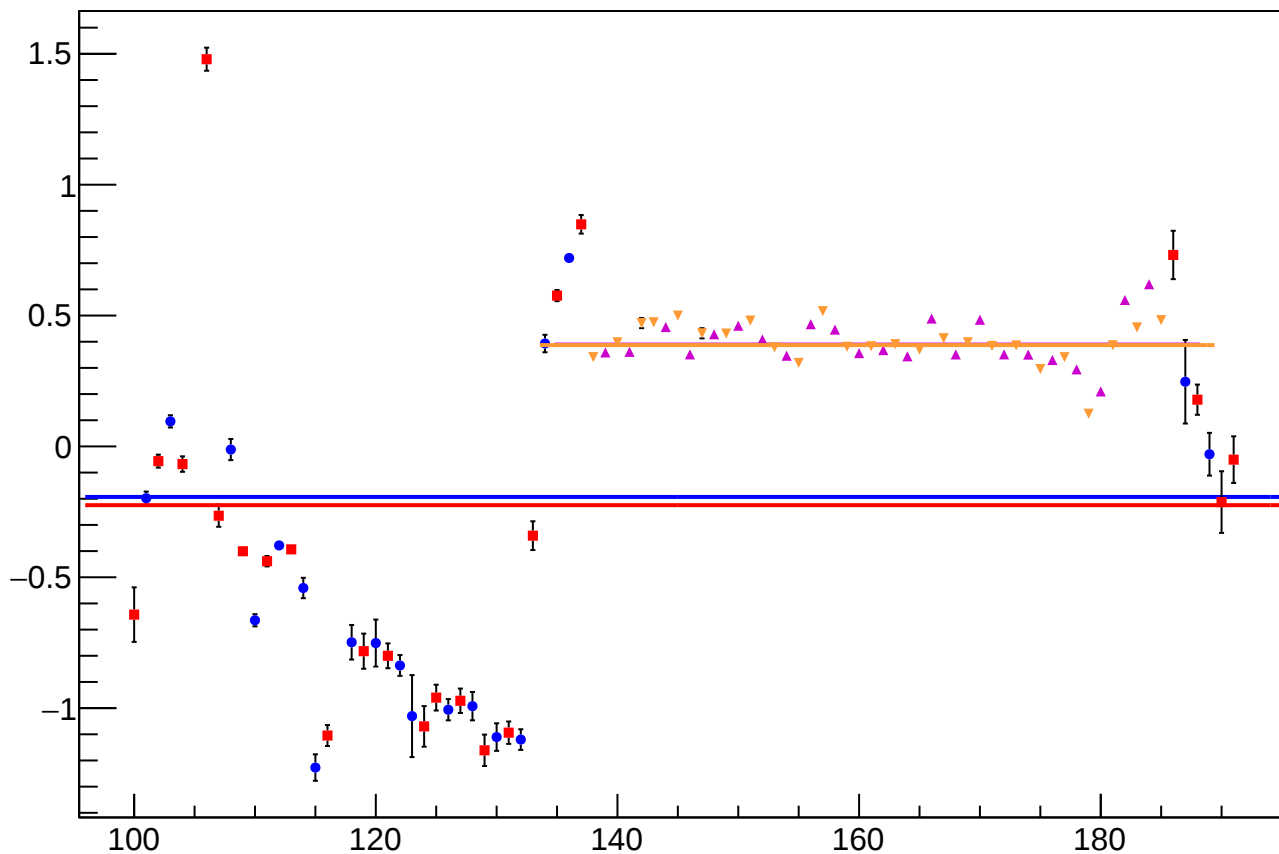
Right: -16.403 ± 0.092 $\chi^2/\text{NDF}: 2884.2/41$

In: -19.007 ± 0.053 $\chi^2/\text{NDF}: 6511.4/41$

Out: -19.061 ± 0.051 $\chi^2/\text{NDF}: 8184.5/47$

All: -19.034 ± 0.037 $\chi^2/\text{NDF}: 14696.5/89$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.193 ± 0.008 χ^2/NDF : 6328.2/18

Left Out: 0.387 ± 0.003 χ^2/NDF : 995.0/24

Right Out: -0.225 ± 0.007 χ^2/NDF : 6339.6/22

Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

Left: 0.388 ± 0.002 χ^2/NDF : 2252.2/47

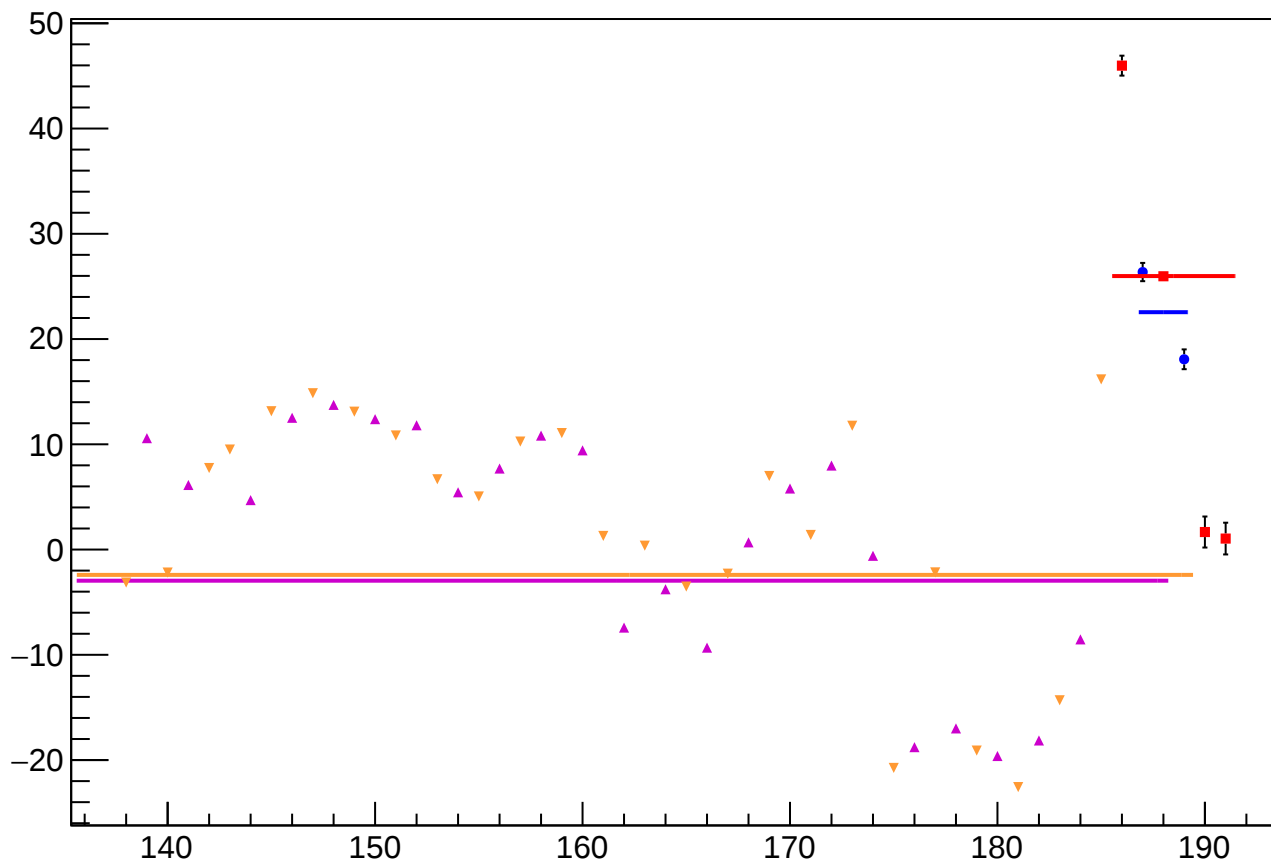
Right: -0.210 ± 0.005 χ^2/NDF : 12677.1/41

In: 0.326 ± 0.002 χ^2/NDF : 12934.7/41

Out: 0.316 ± 0.002 χ^2/NDF : 13947.4/47

All: 0.321 ± 0.002 χ^2/NDF : 26890.2/89

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 22.552 ± 0.638 $\chi^2/\text{NDF}: 42.0/1$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 25.983 ± 0.366 $\chi^2/\text{NDF}: 991.2/3$

Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

Left: -2.672 ± 0.038 $\chi^2/\text{NDF}: 102343.8/47$

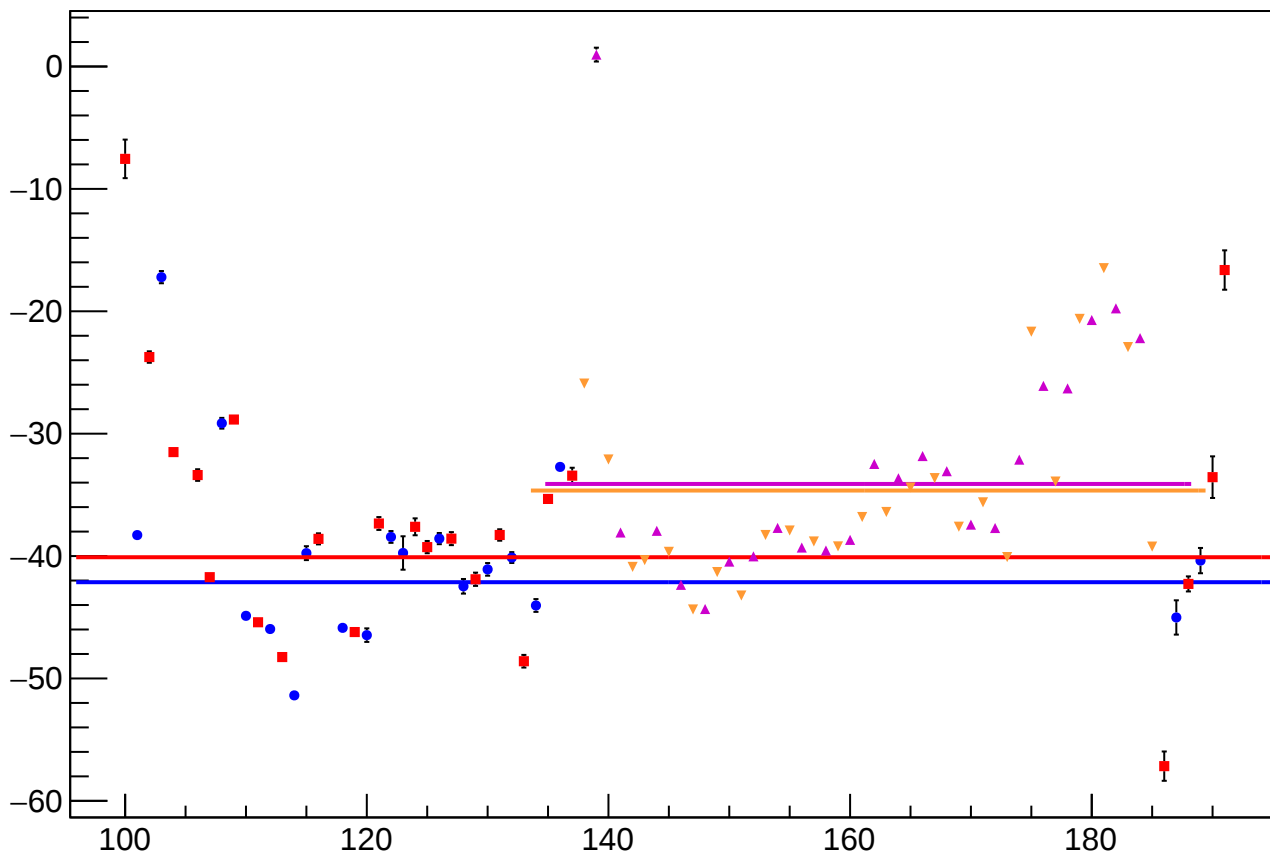
Right: 25.135 ± 0.317 $\chi^2/\text{NDF}: 1054.9/5$

In: -2.772 ± 0.055 $\chi^2/\text{NDF}: 47553.1/24$

Out: -1.828 ± 0.052 $\chi^2/\text{NDF}: 63266.2/28$

All: -2.278 ± 0.038 $\chi^2/\text{NDF}: 110975.4/53$

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.135 ± 0.078 $\chi^2/\text{NDF}: 6560.3/18$

Left Out: -34.646 ± 0.042 $\chi^2/\text{NDF}: 34674.7/24$

Right Out: -40.095 ± 0.072 $\chi^2/\text{NDF}: 11763.8/22$

Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

Left: -34.390 ± 0.030 $\chi^2/\text{NDF}: 63806.0/47$

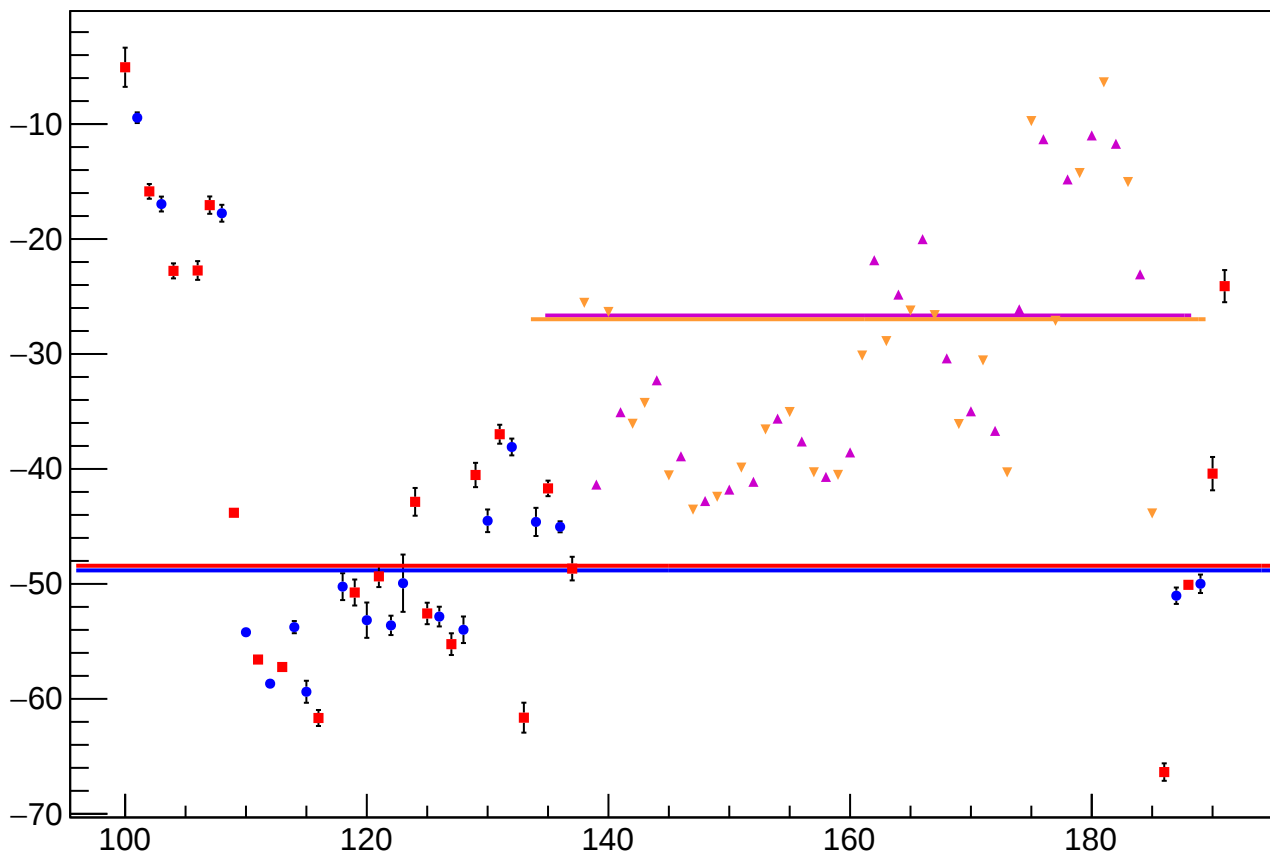
Right: -41.037 ± 0.053 $\chi^2/\text{NDF}: 18694.1/41$

In: -36.050 ± 0.038 $\chi^2/\text{NDF}: 43677.2/41$

Out: -36.017 ± 0.036 $\chi^2/\text{NDF}: 50720.6/47$

All: -36.033 ± 0.026 $\chi^2/\text{NDF}: 94398.2/89$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.825 ± 0.122 $\chi^2/\text{NDF}: 14671.7/18$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -48.420 ± 0.101 $\chi^2/\text{NDF}: 12657.5/22$

Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

Left: -26.821 ± 0.038 $\chi^2/\text{NDF}: 91485.8/47$

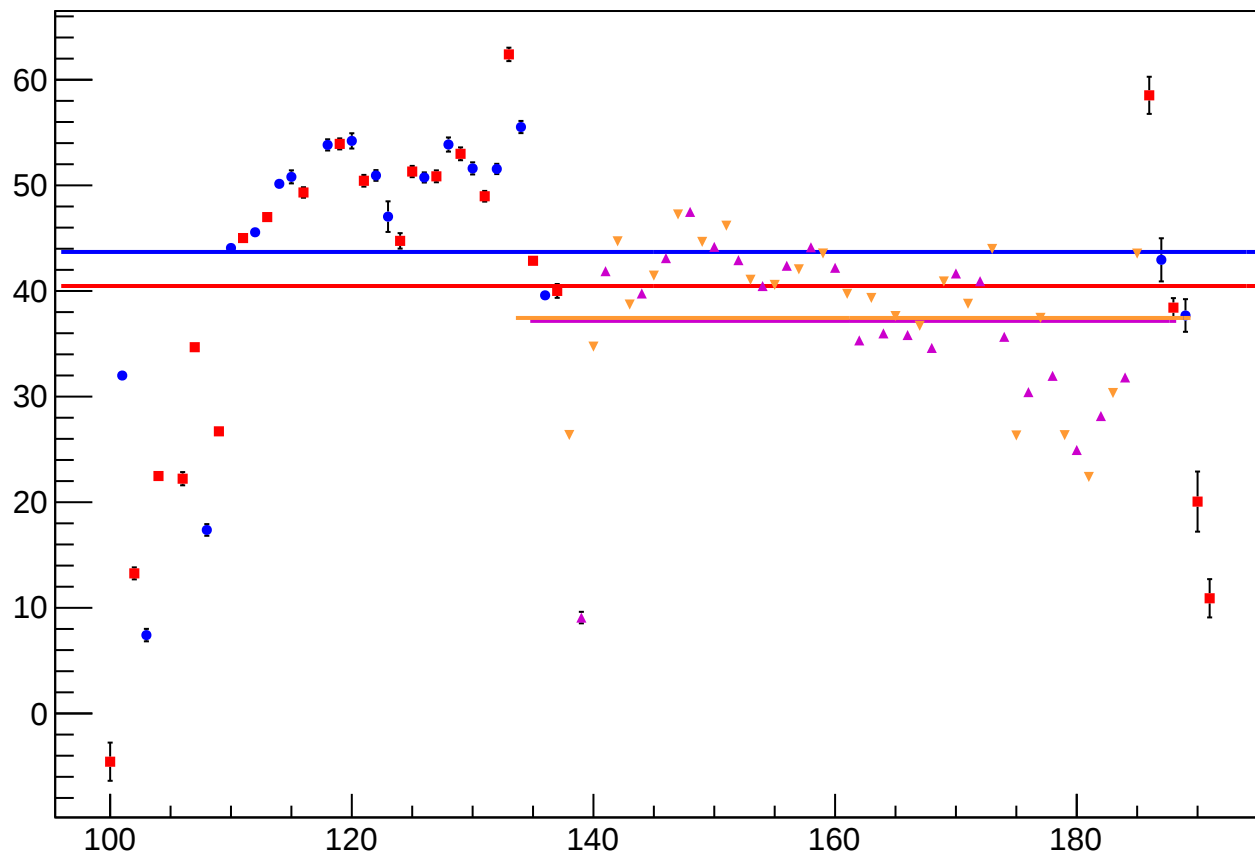
Right: -48.585 ± 0.078 $\chi^2/\text{NDF}: 27335.8/41$

In: -30.415 ± 0.050 $\chi^2/\text{NDF}: 84409.0/41$

Out: -31.631 ± 0.047 $\chi^2/\text{NDF}: 97287.6/47$

All: -31.060 ± 0.034 $\chi^2/\text{NDF}: 182010.0/89$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.696 $\pm$ 0.087 χ^2 /NDF: 10579.6/18

Left Out: 37.447 $\pm$ 0.047 χ^2 /NDF:21570.6/24

Right Out: 40.472 $\pm$ 0.080 χ^2 /NDF: 18007.1/22

Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

Left: 37.314 $\pm$ 0.034 χ^2 /NDF: 38824.1/47

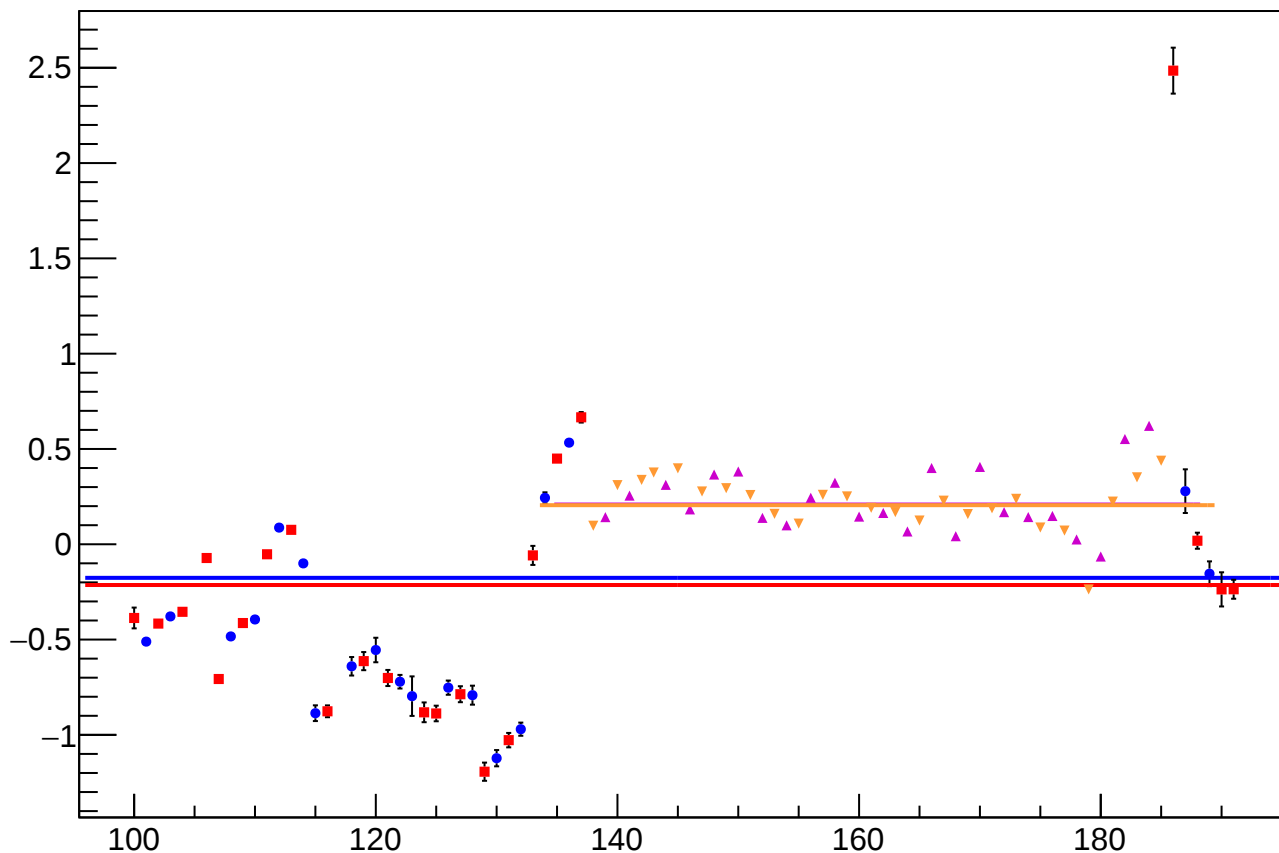
Right: 41.947 $\pm$ 0.059 χ^2 /NDF: 29334.7/41

In: 38.759 $\pm$ 0.043 χ^2 /NDF:32091.5/41

Out: 38.231 $\pm$ 0.041 χ^2 /NDF:40644.2/47

All: 38.481 $\pm$ 0.029 χ^2 /NDF: 72816.0/89

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.176 ± 0.005 χ^2/NDF : 7369.4/18

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.214 ± 0.004 χ^2/NDF : 7950.6/22

Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

Left: 0.207 ± 0.002 χ^2/NDF : 8922.0/47

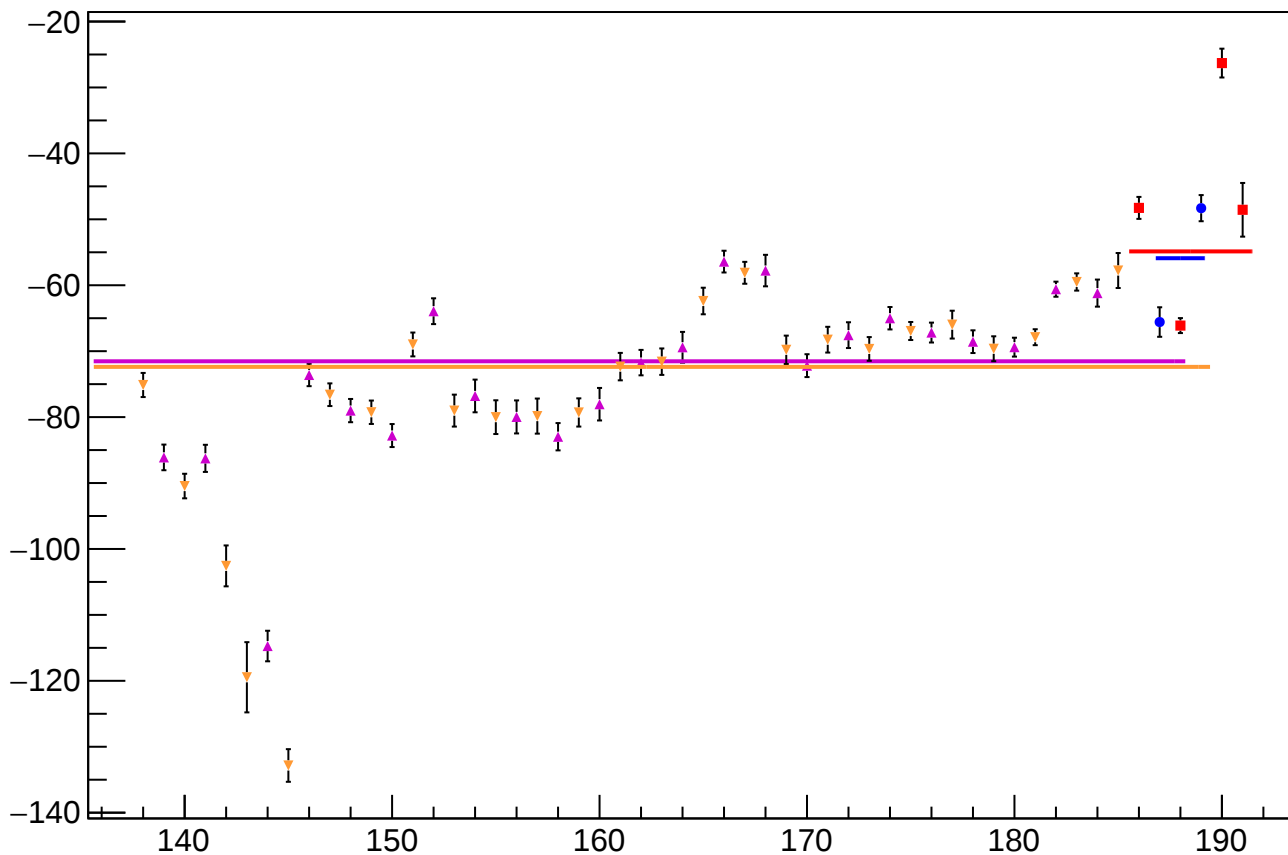
Right: -0.197 ± 0.003 χ^2/NDF : 15354.1/41

In: 0.140 ± 0.002 χ^2/NDF : 17679.1/41

Out: 0.118 ± 0.002 χ^2/NDF : 19448.1/47

All: 0.129 ± 0.001 χ^2/NDF : 37186.4/89

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected

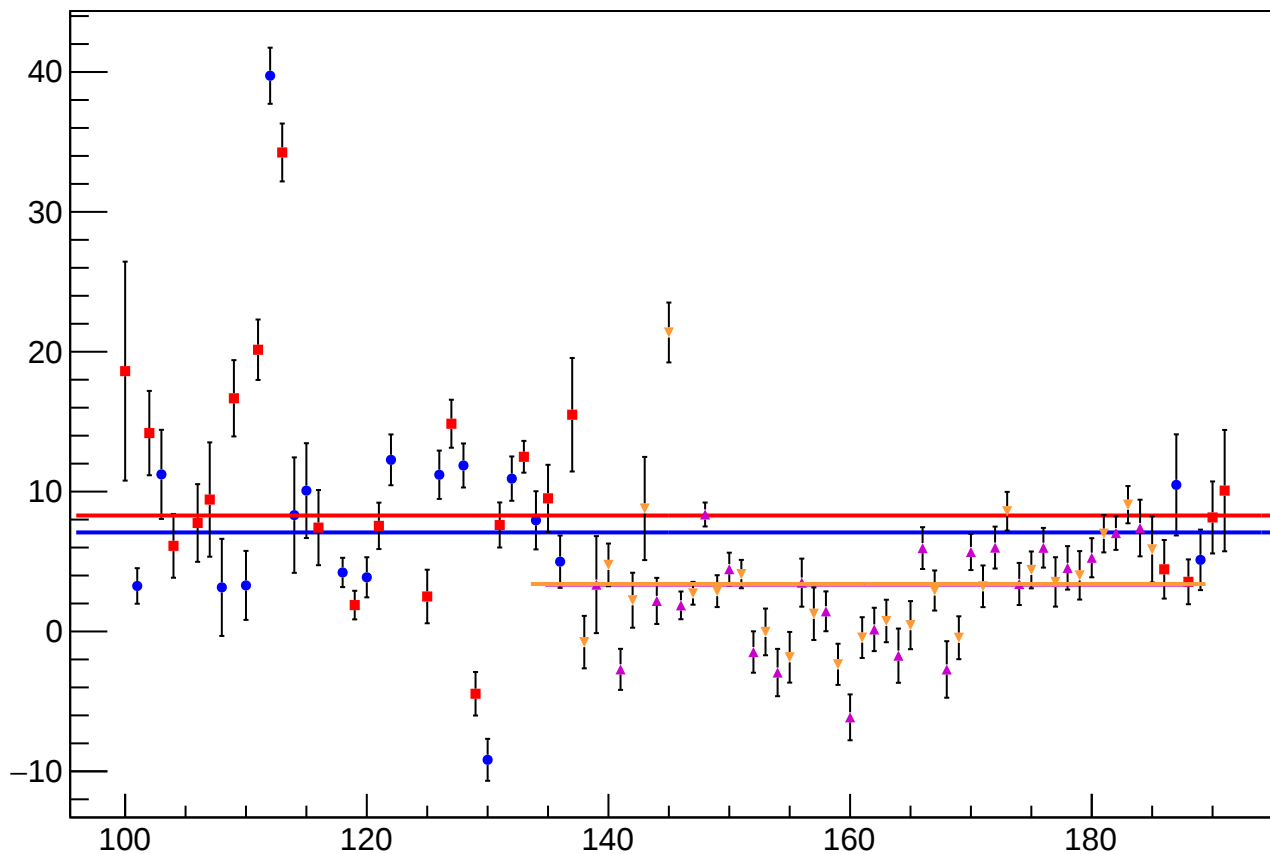


Right In: -55.899 $\pm$ 1.485 χ^2 /NDF: 33.3/1
 Left Out: -72.381 $\pm$ 0.382 χ^2 /NDF:1199.9/24
 Right Out: -54.867 $\pm$ 0.843 χ^2 /NDF: 287.2/3
 Left In: -71.534 $\pm$ 0.382 χ^2 /NDF:851.4/22

Left: -71.957 $\pm$ 0.270 χ^2 /NDF: 2053.7/47
 Right: -55.119 $\pm$ 0.733 χ^2 /NDF: 320.9/5
 In: -70.565 $\pm$ 0.370 χ^2 /NDF:988.8/24
 Out: -69.401 $\pm$ 0.348 χ^2 /NDF:1845.1/28

All: -69.947 $\pm$ 0.253 χ^2 /NDF: 2839.1/53

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.081 $\pm$ 0.428 χ^2/NDF : 442.1/17

Left Out: 3.392 $\pm$ 0.294 χ^2/NDF : 169.9/24

Right Out: 8.291 $\pm$ 0.416 χ^2/NDF : 363.4/21

Left In: 3.349 $\pm$ 0.298 χ^2/NDF : 163.5/22

Left: 3.371 $\pm$ 0.209 χ^2/NDF : 333.4/47

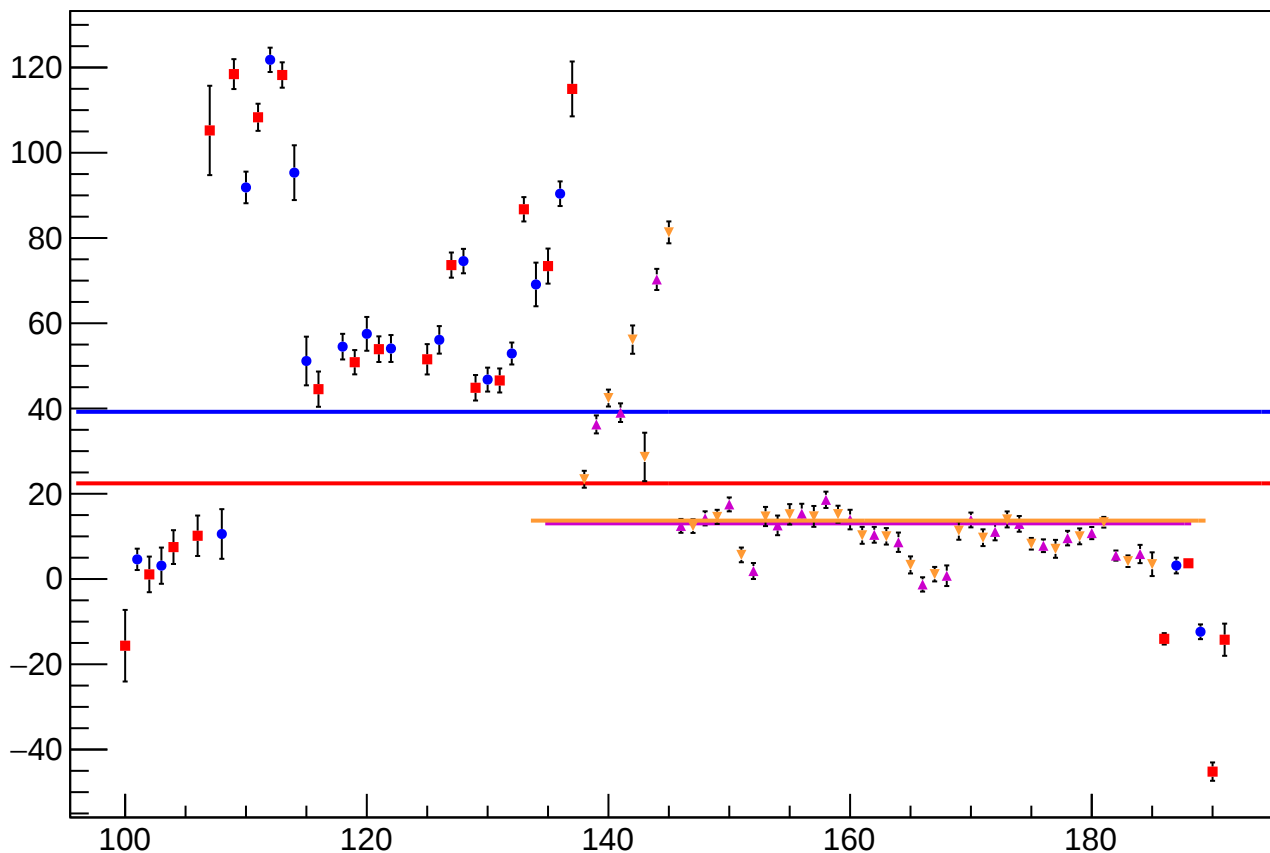
Right: 7.704 $\pm$ 0.298 χ^2/NDF : 809.6/39

In: 4.567 $\pm$ 0.245 χ^2/NDF : 656.8/40

Out: 5.025 $\pm$ 0.240 χ^2/NDF : 625.9/46

All: 4.801 $\pm$ 0.171 χ^2/NDF : 1284.5/87

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 39.225+/-0.698 χ^2 /NDF: 3310.7/17

Left Out: 13.700+/-0.381 χ^2 /NDF:1307.0/24

Right Out: 22.440+/-0.539 χ^2 /NDF: 6487.4/21

Left In: 13.058+/-0.380 χ^2 /NDF:1024.7/22

Left: 13.378+/-0.269 χ^2 /NDF: 2333.1/47

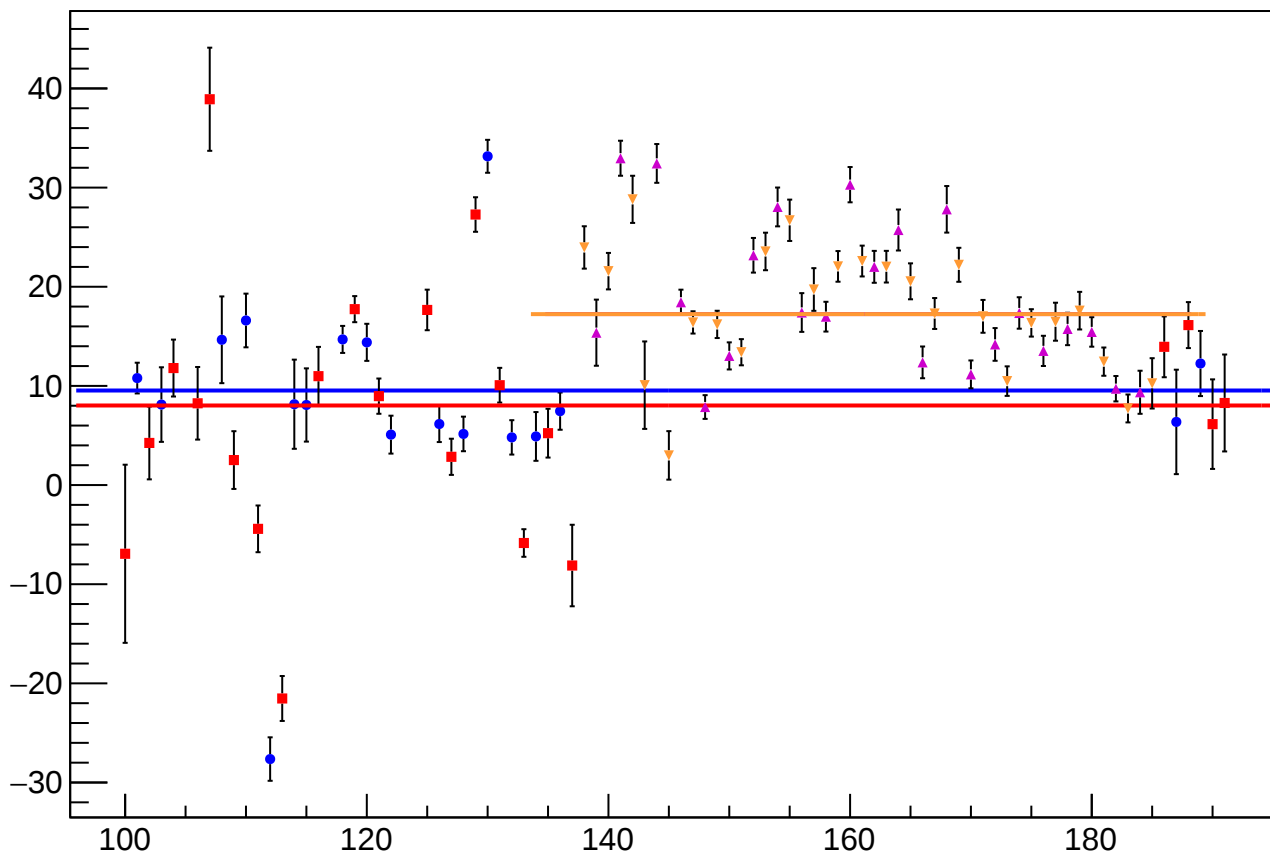
Right: 28.711+/-0.427 χ^2 /NDF: 10160.1/39

In: 19.031+/-0.334 χ^2 /NDF:5419.3/40

Out: 16.609+/-0.311 χ^2 /NDF:7969.6/46

All: 17.736+/-0.228 χ^2 /NDF: 13417.1/87

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.535 ± 0.499 $\chi^2/\text{NDF}: 548.3/17$

Left Out: 17.238 ± 0.336 $\chi^2/\text{NDF}: 246.5/24$

Right Out: 8.024 ± 0.491 $\chi^2/\text{NDF}: 584.1/21$

Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

Left: 17.241 ± 0.239 $\chi^2/\text{NDF}: 687.3/47$

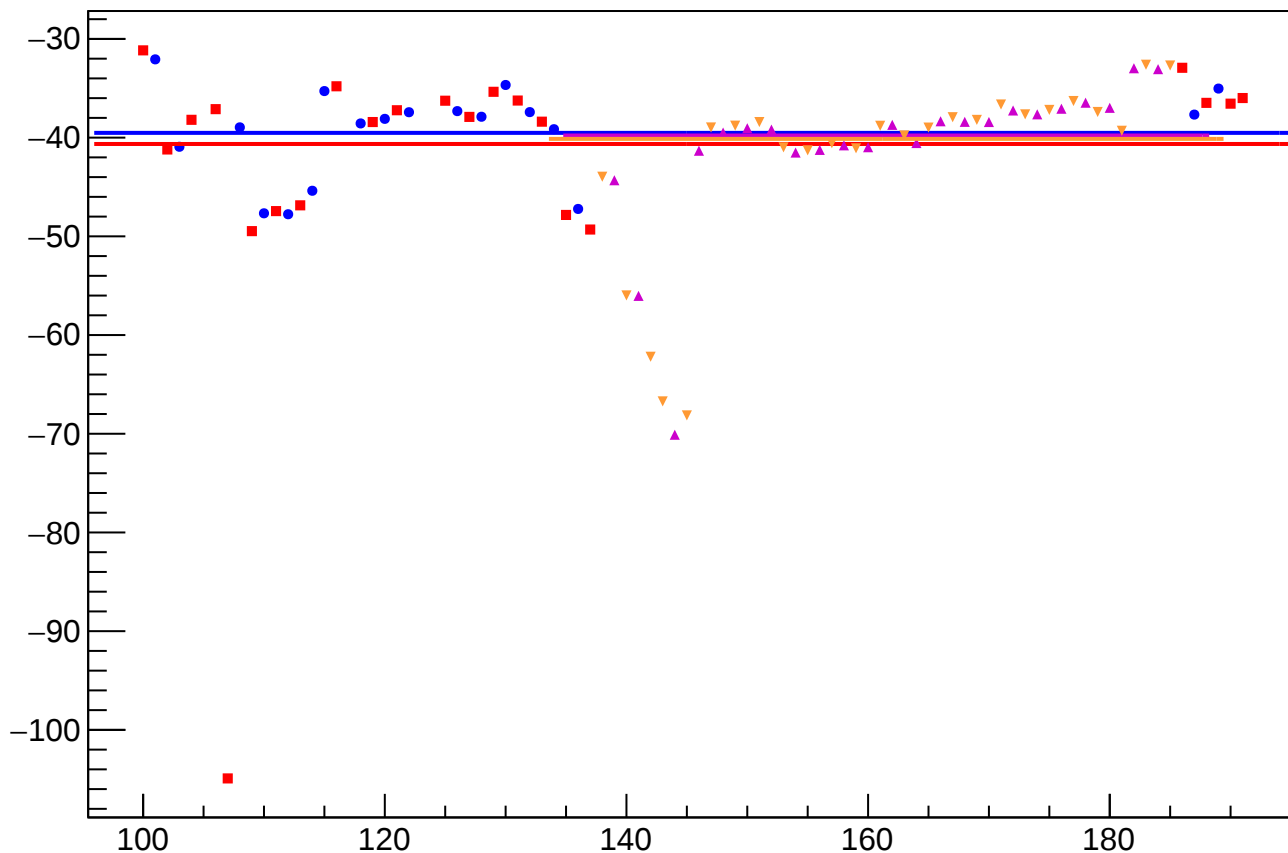
Right: 8.767 ± 0.350 $\chi^2/\text{NDF}: 1137.1/39$

In: 14.809 ± 0.281 $\chi^2/\text{NDF}: 1152.1/40$

Out: 14.302 ± 0.277 $\chi^2/\text{NDF}: 1070.1/46$

All: 14.553 ± 0.197 $\chi^2/\text{NDF}: 2223.8/87$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.517 ± 0.030 $\chi^2/\text{NDF}: 27375.6/17$

Left Out: -40.126 ± 0.016 $\chi^2/\text{NDF}: 185897.0/24$

Right Out: -40.643 ± 0.028 $\chi^2/\text{NDF}: 100401.1/21$

Left In: -39.785 ± 0.016 $\chi^2/\text{NDF}: 144494.5/22$

Left: -39.955 ± 0.011 $\chi^2/\text{NDF}: 330628.3/47$

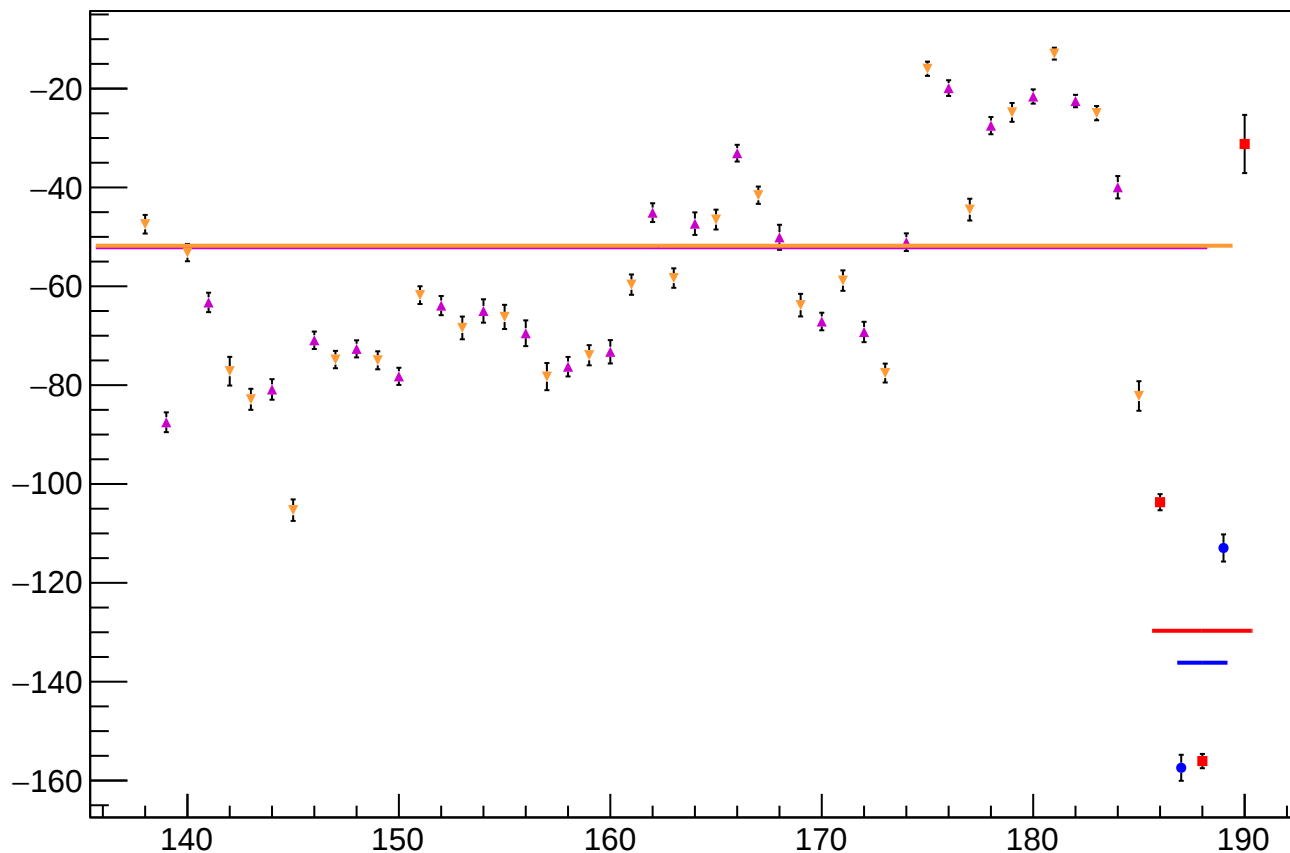
Right: -40.117 ± 0.021 $\chi^2/\text{NDF}: 128514.6/39$

In: -39.728 ± 0.014 $\chi^2/\text{NDF}: 171931.8/40$

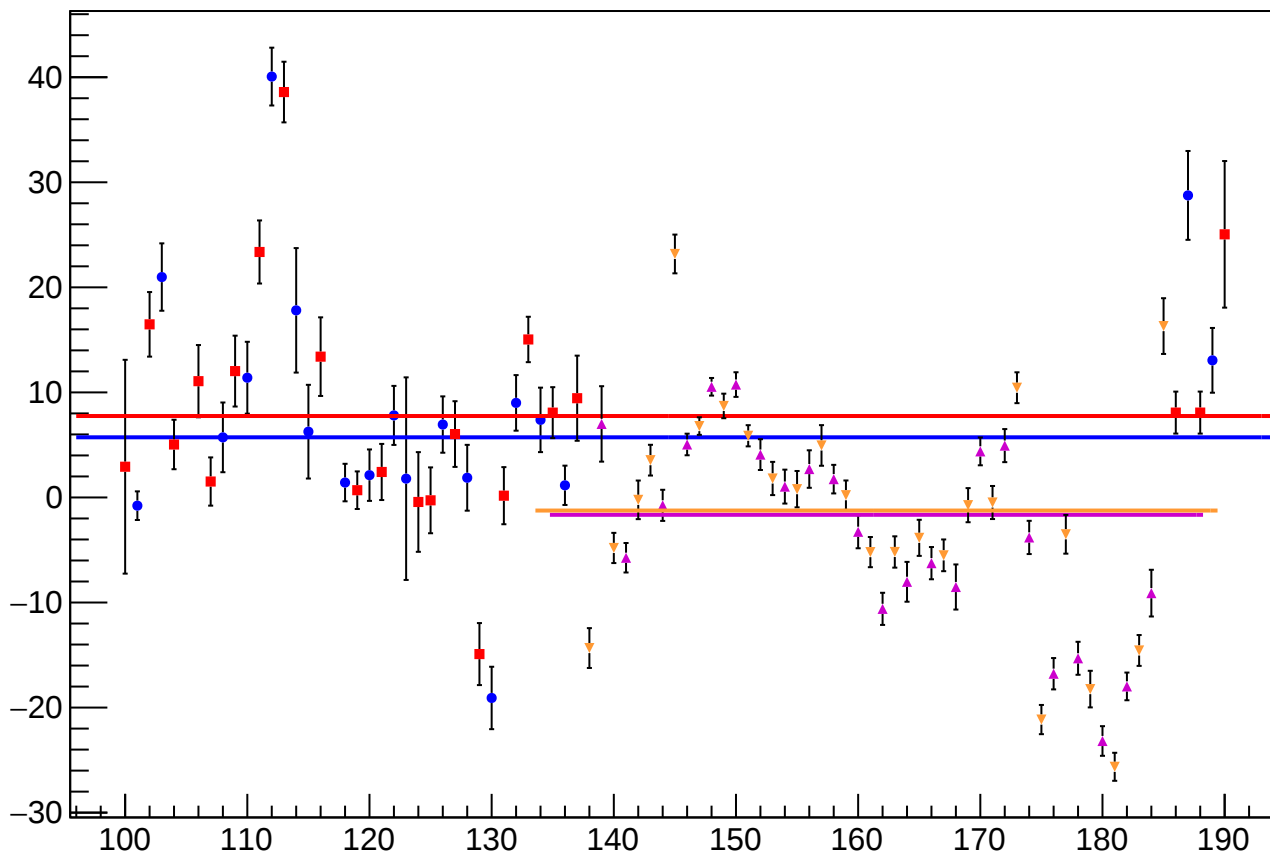
Out: -40.248 ± 0.014 $\chi^2/\text{NDF}: 286553.1/46$

All: -39.991 ± 0.010 $\chi^2/\text{NDF}: 459190.9/87$

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.725 ± 0.610 χ^2/NDF : 331.3/18

Left Out: -1.245 ± 0.292 χ^2/NDF : 1322.6/24

Right Out: 7.752 ± 0.589 χ^2/NDF : 276.8/21

Left In: -1.650 ± 0.300 χ^2/NDF : 1092.2/22

Left: -1.442 ± 0.209 χ^2/NDF : 2415.8/47

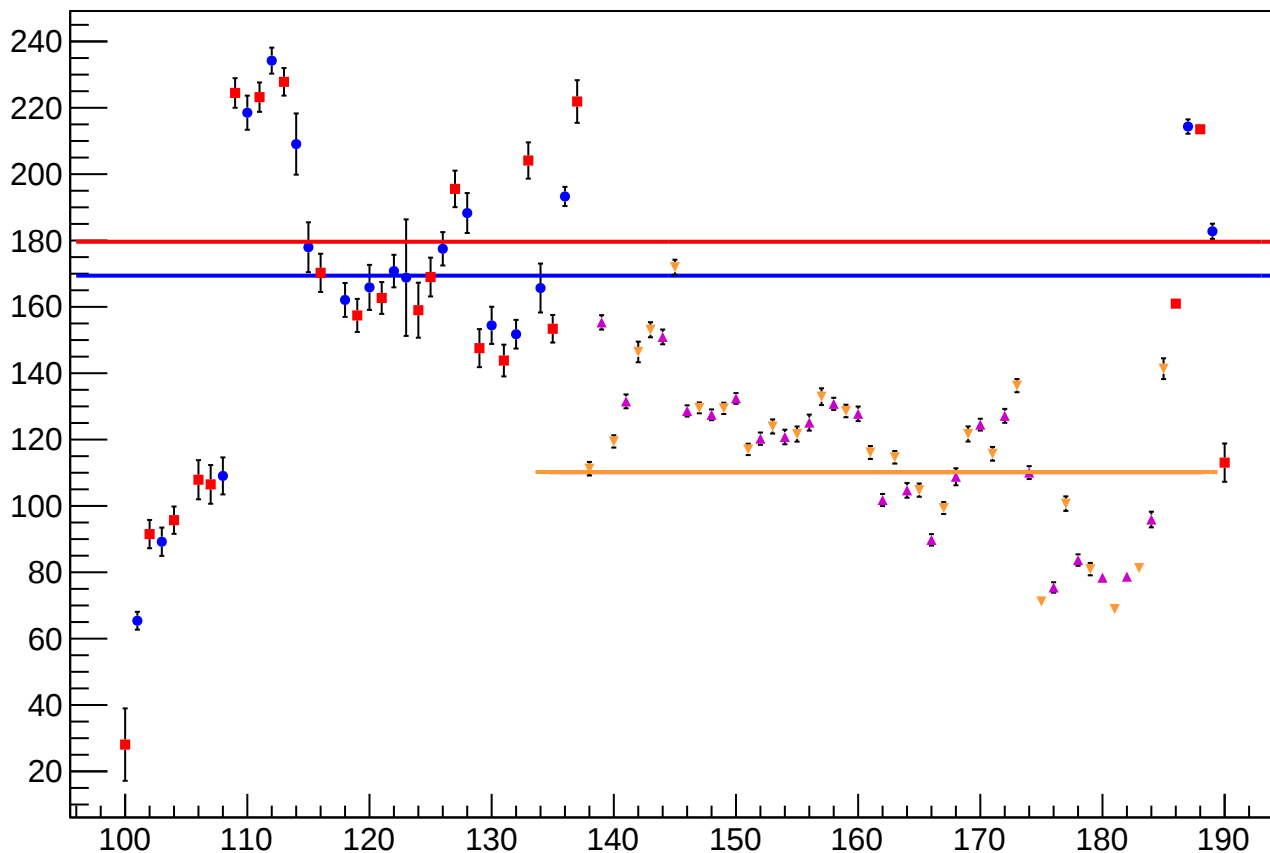
Right: 6.773 ± 0.424 χ^2/NDF : 613.9/40

In: -0.211 ± 0.269 χ^2/NDF : 1541.4/41

Out: 0.525 ± 0.261 χ^2/NDF : 1786.7/46

All: 0.168 ± 0.188 χ^2/NDF : 3331.9/88

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 169.409 $\pm$ 0.929 χ^2 /NDF: 2929.0/18

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF:4593.7/24

Right Out: 179.628 $\pm$ 0.693 χ^2 /NDF: 3106.8/21

Left In: 110.171 $\pm$ 0.386 χ^2 /NDF:3702.6/22

Left: 110.192 $\pm$ 0.272 χ^2 /NDF: 8296.2/47

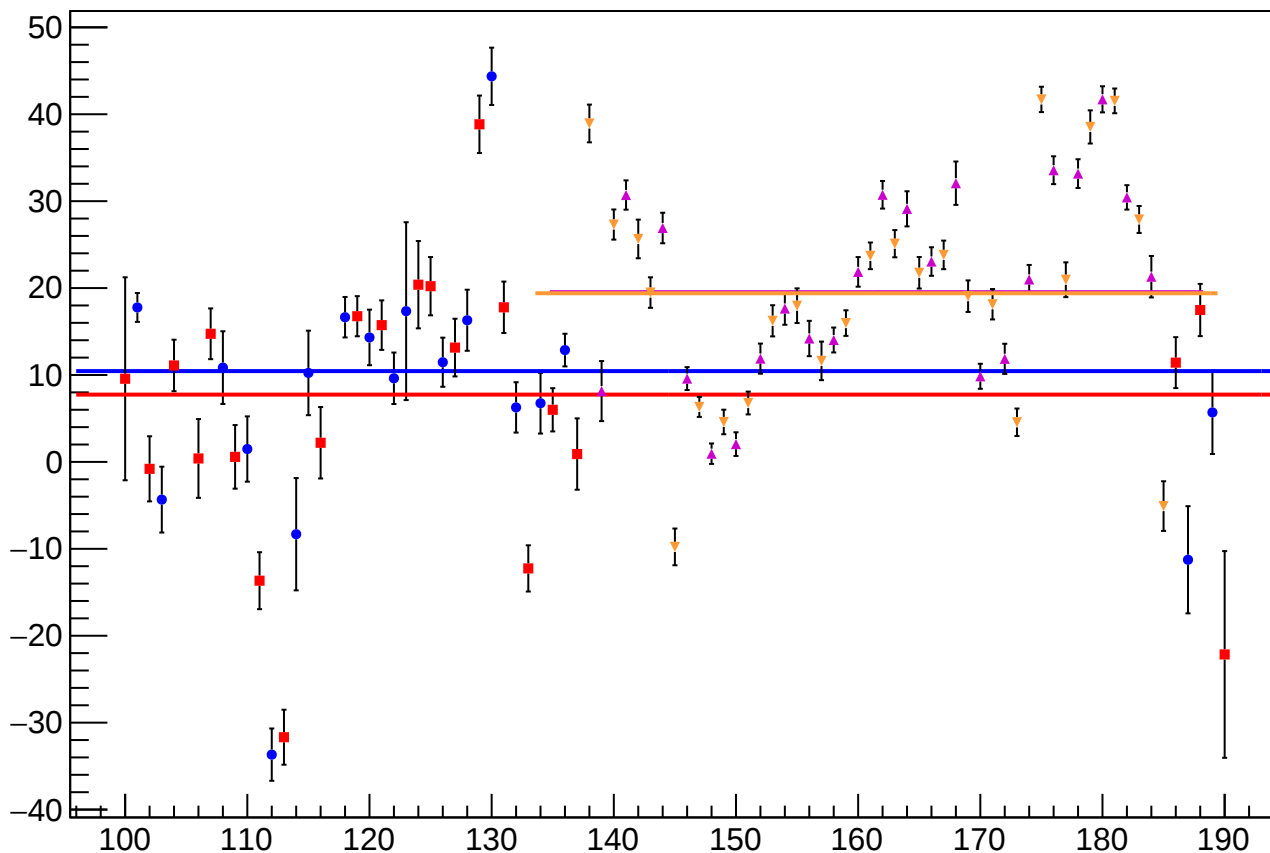
Right: 175.973 $\pm$ 0.556 χ^2 /NDF: 6113.4/40

In: 118.886 $\pm$ 0.356 χ^2 /NDF:10096.8/41

Out: 126.377 $\pm$ 0.335 χ^2 /NDF:15388.0/46

All: 122.868 $\pm$ 0.244 χ^2 /NDF: 25719.6/88

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.448 $\pm$ 0.708 χ^2 /NDF: 400.0/18

Left Out: 19.405 $\pm$ 0.335 χ^2 /NDF:1453.4/24

Right Out: 7.742 $\pm$ 0.704 χ^2 /NDF: 442.7/21

Left In: 19.530 $\pm$ 0.342 χ^2 /NDF:1181.3/22

Left: 19.466 $\pm$ 0.239 χ^2 /NDF: 2634.8/47

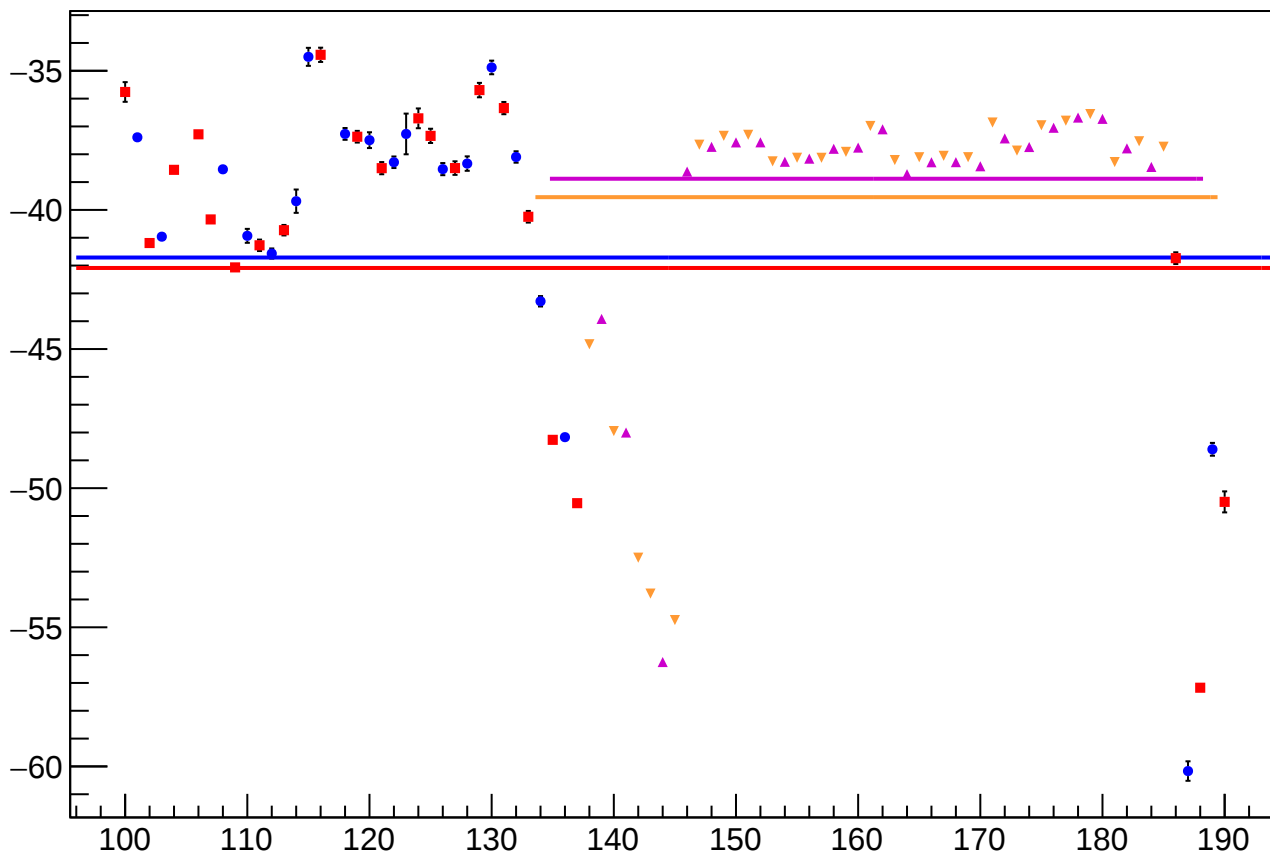
Right: 9.088 $\pm$ 0.499 χ^2 /NDF: 850.0/40

In: 17.808 $\pm$ 0.308 χ^2 /NDF:1714.7/41

Out: 17.255 $\pm$ 0.302 χ^2 /NDF:2120.0/46

All: 17.526 $\pm$ 0.216 χ^2 /NDF: 3836.3/88

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.711 ± 0.038 $\chi^2/\text{NDF}: 16291.8/18$

Left Out: -39.542 ± 0.016 $\chi^2/\text{NDF}: 92024.1/24$

Right Out: -42.086 ± 0.037 $\chi^2/\text{NDF}: 22164.9/21$

Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

Left: -39.214 ± 0.011 $\chi^2/\text{NDF}: 146312.0/47$

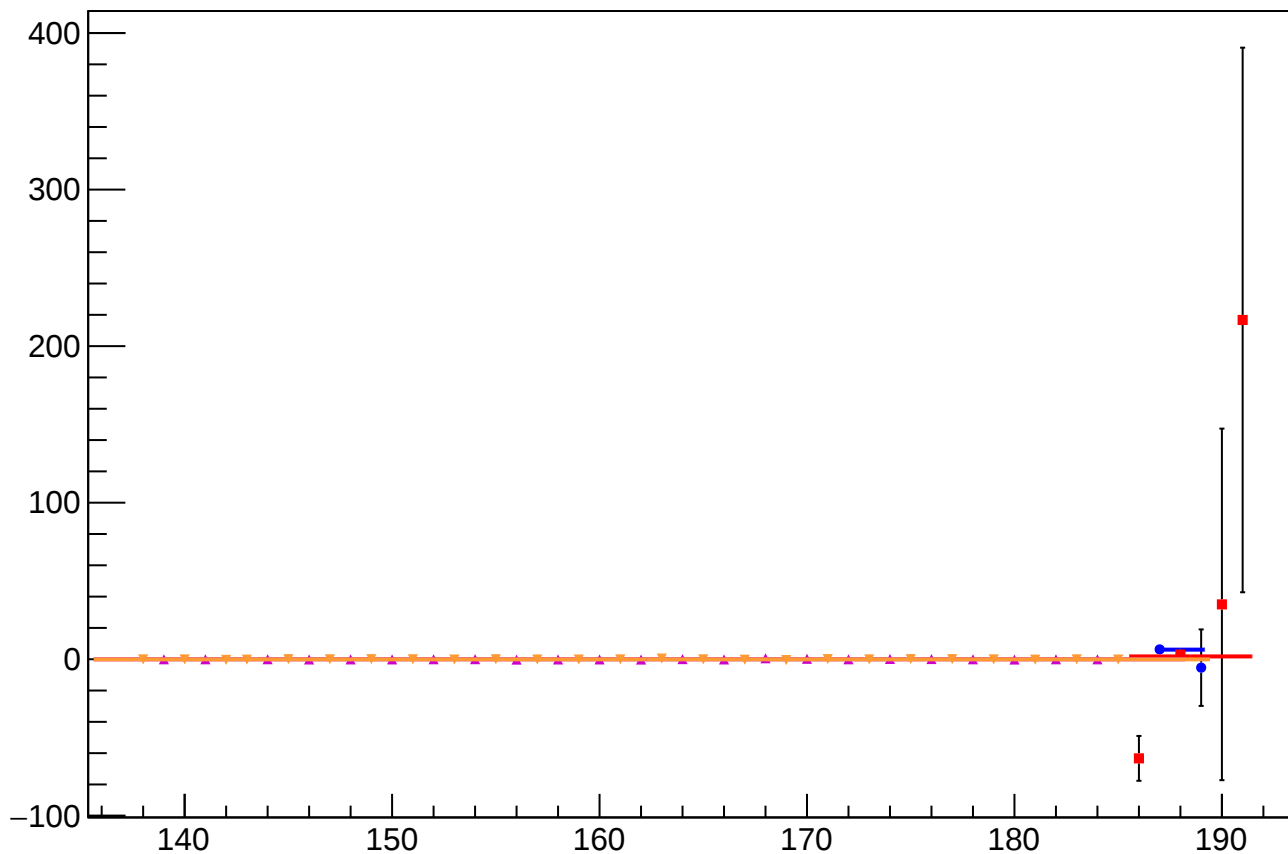
Right: -41.904 ± 0.026 $\chi^2/\text{NDF}: 38507.1/40$

In: -39.302 ± 0.015 $\chi^2/\text{NDF}: 74452.9/41$

Out: -39.934 ± 0.014 $\chi^2/\text{NDF}: 118222.5/46$

All: -39.622 ± 0.010 $\chi^2/\text{NDF}: 193618.6/88$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected

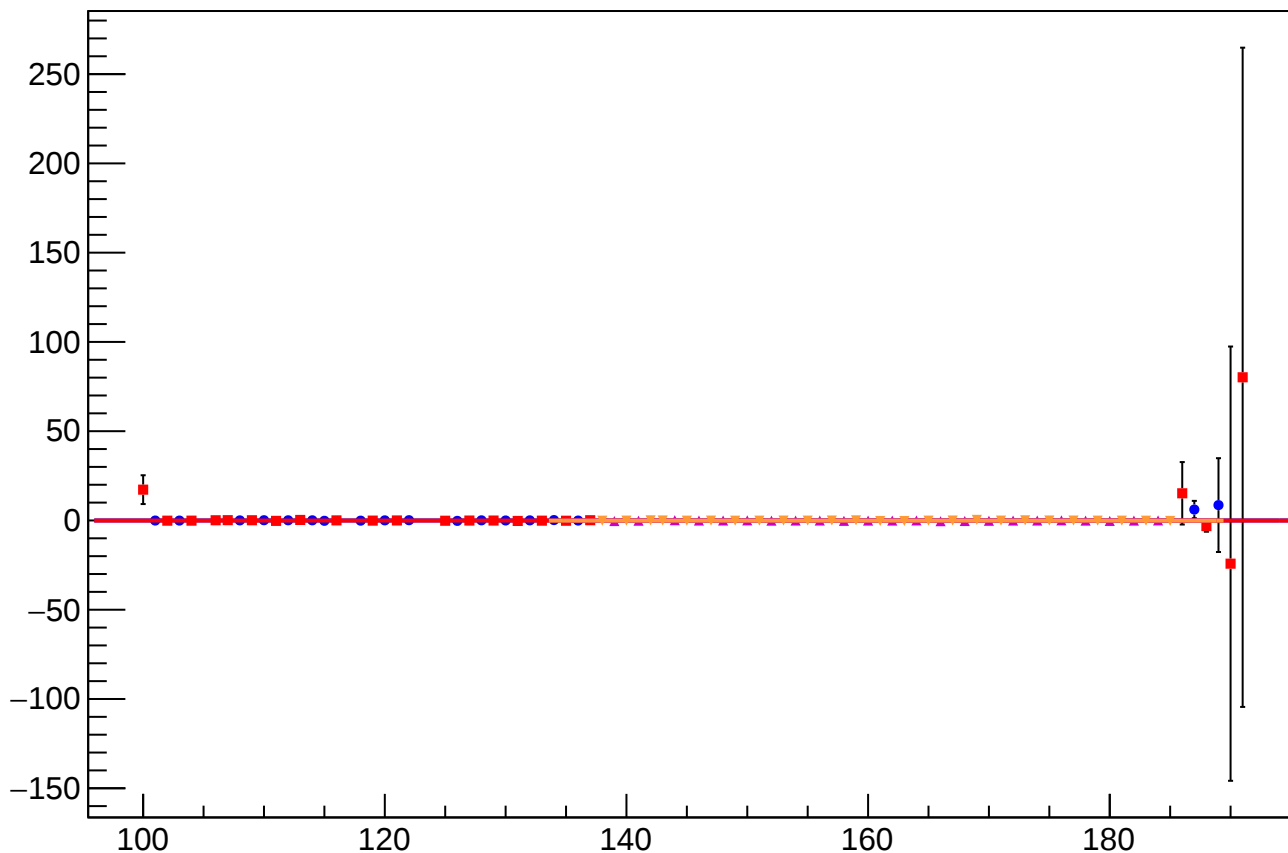


Right In: 6.130 ± 2.984 $\chi^2/\text{NDF}: 0.2/1$
 Left Out: -0.095 ± 0.022 $\chi^2/\text{NDF}: 41.8/24$
 Right Out: 1.792 ± 1.944 $\chi^2/\text{NDF}: 22.6/3$
 Left In: -0.026 ± 0.022 $\chi^2/\text{NDF}: 33.3/22$

Left: -0.061 ± 0.016 $\chi^2/\text{NDF}: 80.1/47$
 Right: 3.084 ± 1.629 $\chi^2/\text{NDF}: 24.4/5$
 In: -0.025 ± 0.022 $\chi^2/\text{NDF}: 37.8/24$
 Out: -0.095 ± 0.022 $\chi^2/\text{NDF}: 65.4/28$

All: -0.061 ± 0.016 $\chi^2/\text{NDF}: 108.2/53$

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.002 ± 0.029 χ^2/NDF : 14.4/17

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.6/24

Right Out: -0.050 ± 0.029 χ^2/NDF : 27.5/21

Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

Left: -0.065 ± 0.012 χ^2/NDF : 59.4/47

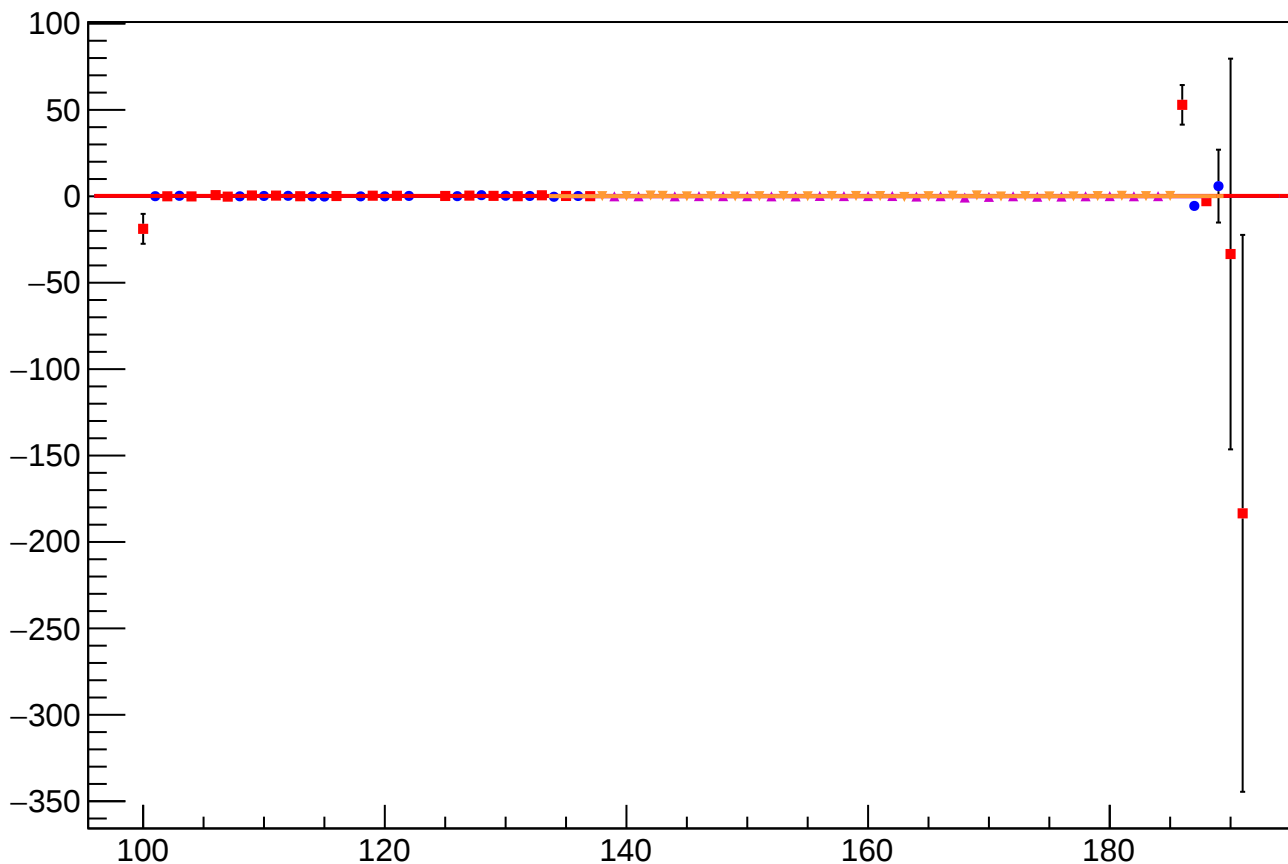
Right: -0.025 ± 0.020 χ^2/NDF : 43.2/39

In: -0.038 ± 0.015 χ^2/NDF : 48.3/40

Out: -0.071 ± 0.015 χ^2/NDF : 54.7/46

All: -0.055 ± 0.010 χ^2/NDF : 105.5/87

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.172 ± 0.053 $\chi^2/\text{NDF}: 17.9/17$

Left Out: 0.088 ± 0.022 $\chi^2/\text{NDF}: 40.7/24$

Right Out: 0.233 ± 0.054 $\chi^2/\text{NDF}: 47.7/21$

Left In: 0.020 ± 0.022 $\chi^2/\text{NDF}: 35.6/22$

Left: 0.055 ± 0.015 $\chi^2/\text{NDF}: 81.0/47$

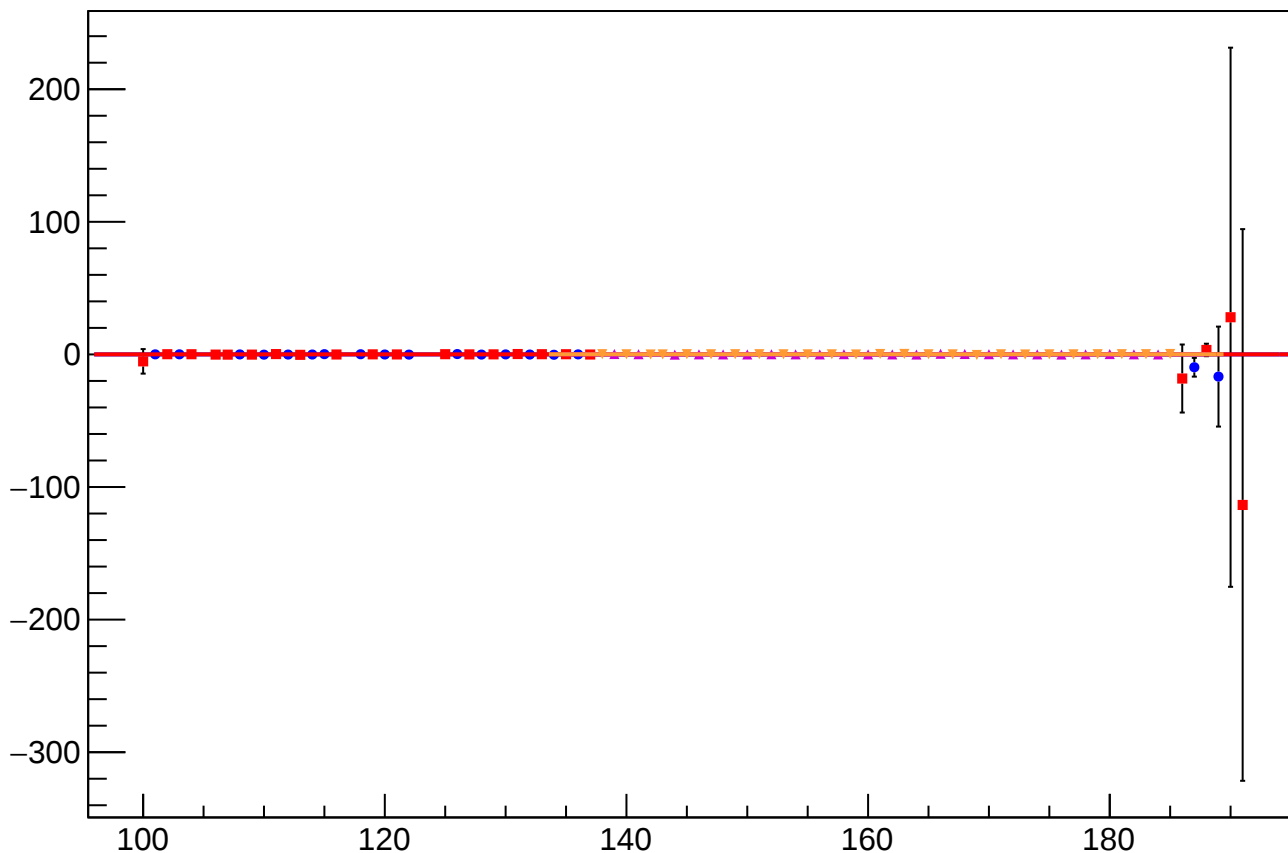
Right: 0.202 ± 0.038 $\chi^2/\text{NDF}: 66.3/39$

In: 0.043 ± 0.020 $\chi^2/\text{NDF}: 60.5/40$

Out: 0.108 ± 0.020 $\chi^2/\text{NDF}: 94.8/46$

All: 0.076 ± 0.014 $\chi^2/\text{NDF}: 160.3/87$

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.007 $\pm$ 0.033 χ^2 /NDF: 16.1/17

Left Out: 0.102 $\pm$ 0.019 χ^2 /NDF:30.2/24

Right Out: 0.057 $\pm$ 0.034 χ^2 /NDF: 21.6/21

Left In: 0.069 $\pm$ 0.020 χ^2 /NDF:31.3/22

Left: 0.086 $\pm$ 0.014 χ^2 /NDF: 63.0/47

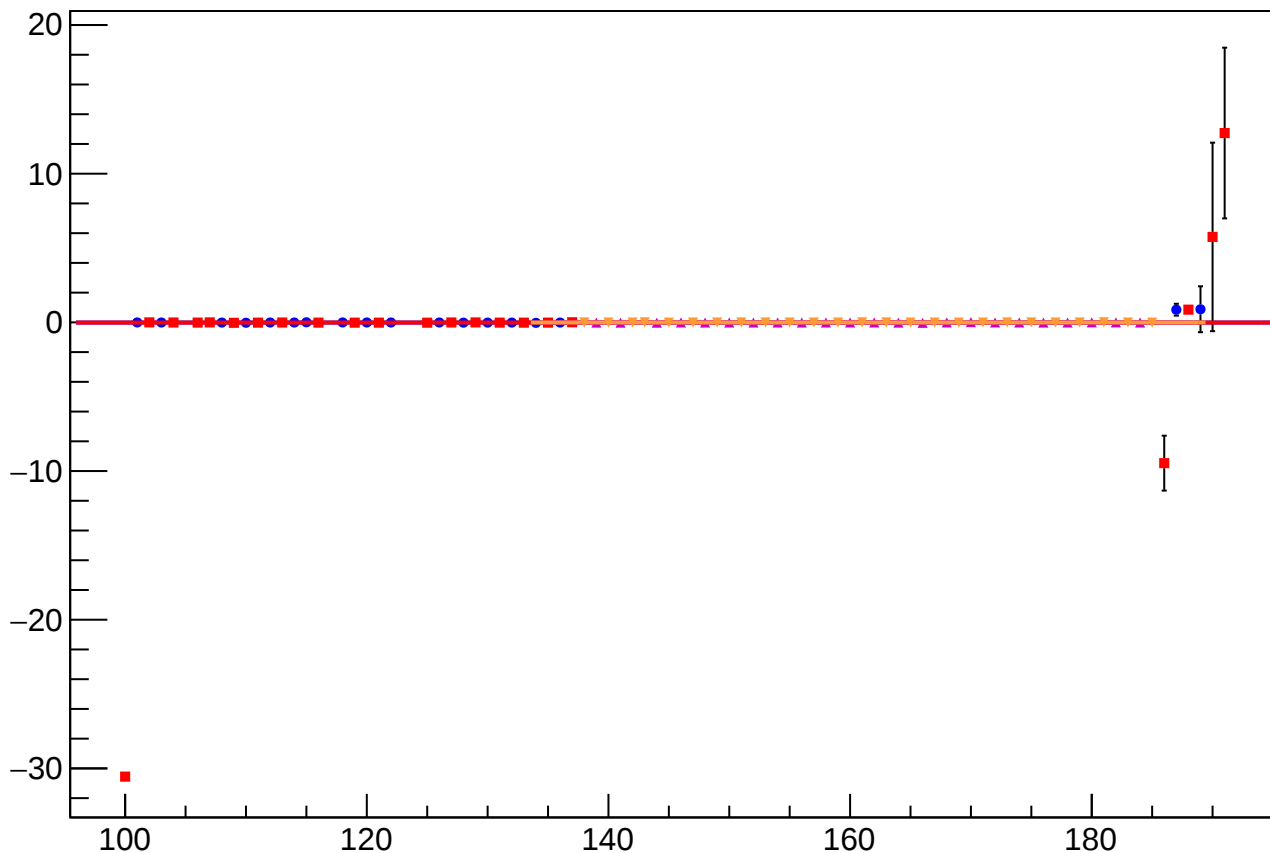
Right: 0.024 $\pm$ 0.024 χ^2 /NDF: 39.6/39

In: 0.049 $\pm$ 0.017 χ^2 /NDF:51.3/40

Out: 0.091 $\pm$ 0.017 χ^2 /NDF:53.2/46

All: 0.070 $\pm$ 0.012 χ^2 /NDF: 107.7/87

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 17.8/17

Left Out: -0.008 ± 0.001 χ^2/NDF : 34.7/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11935.6/21

Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

Left: -0.008 ± 0.001 χ^2/NDF : 76.4/47

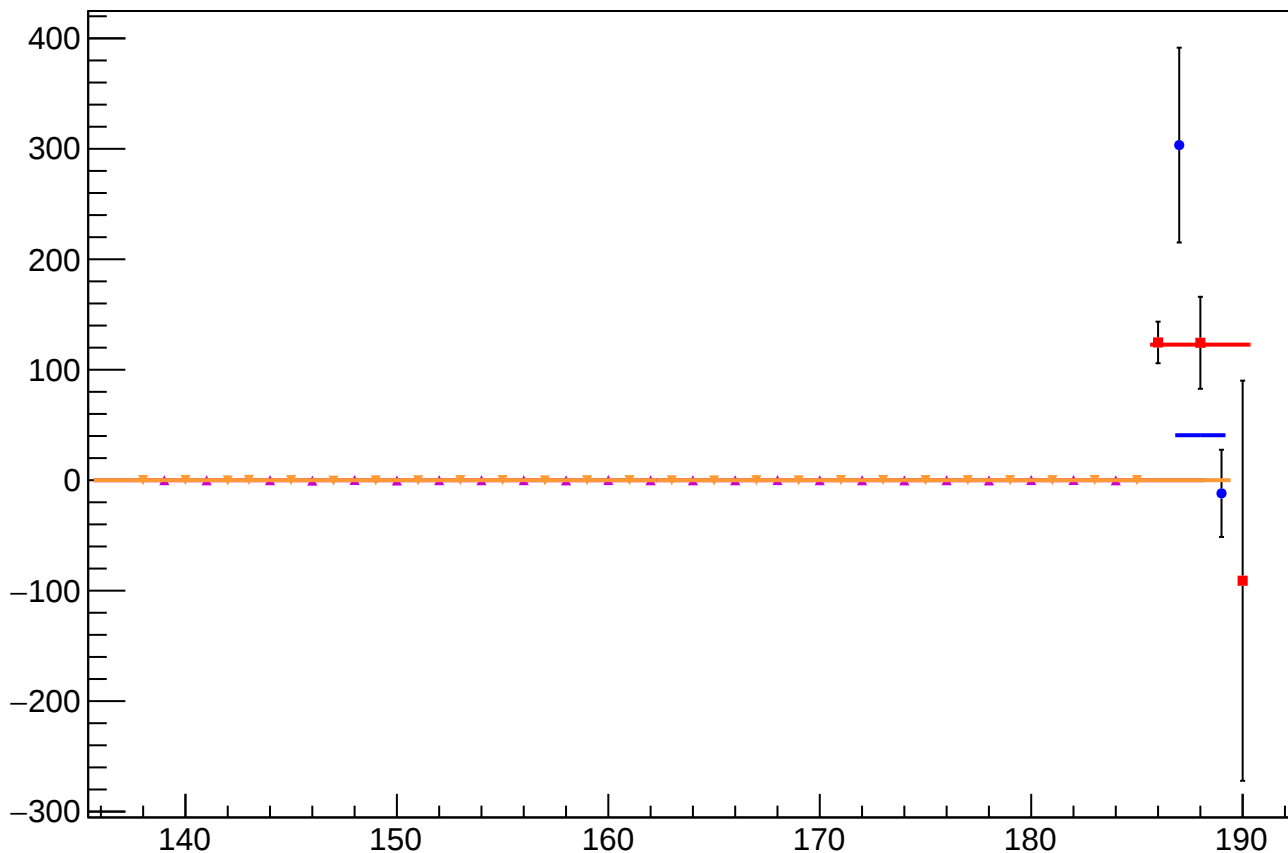
Right: -0.012 ± 0.001 χ^2/NDF : 11953.4/39

In: -0.009 ± 0.001 χ^2/NDF : 61.0/40

Out: -0.008 ± 0.001 χ^2/NDF : 11975.1/46

All: -0.009 ± 0.001 χ^2/NDF : 12036.8/87

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 40.717 $\pm$ 36.028 χ^2/NDF : 10.6/1

Left Out: 0.017 $\pm$ 0.027 χ^2/NDF :30.9/24

Right Out: 122.737 $\pm$ 17.074 χ^2/NDF : 1.4/2

Left In: 0.002 $\pm$ 0.028 χ^2/NDF :29.0/22

Left: 0.010 $\pm$ 0.019 χ^2/NDF : 60.1/47

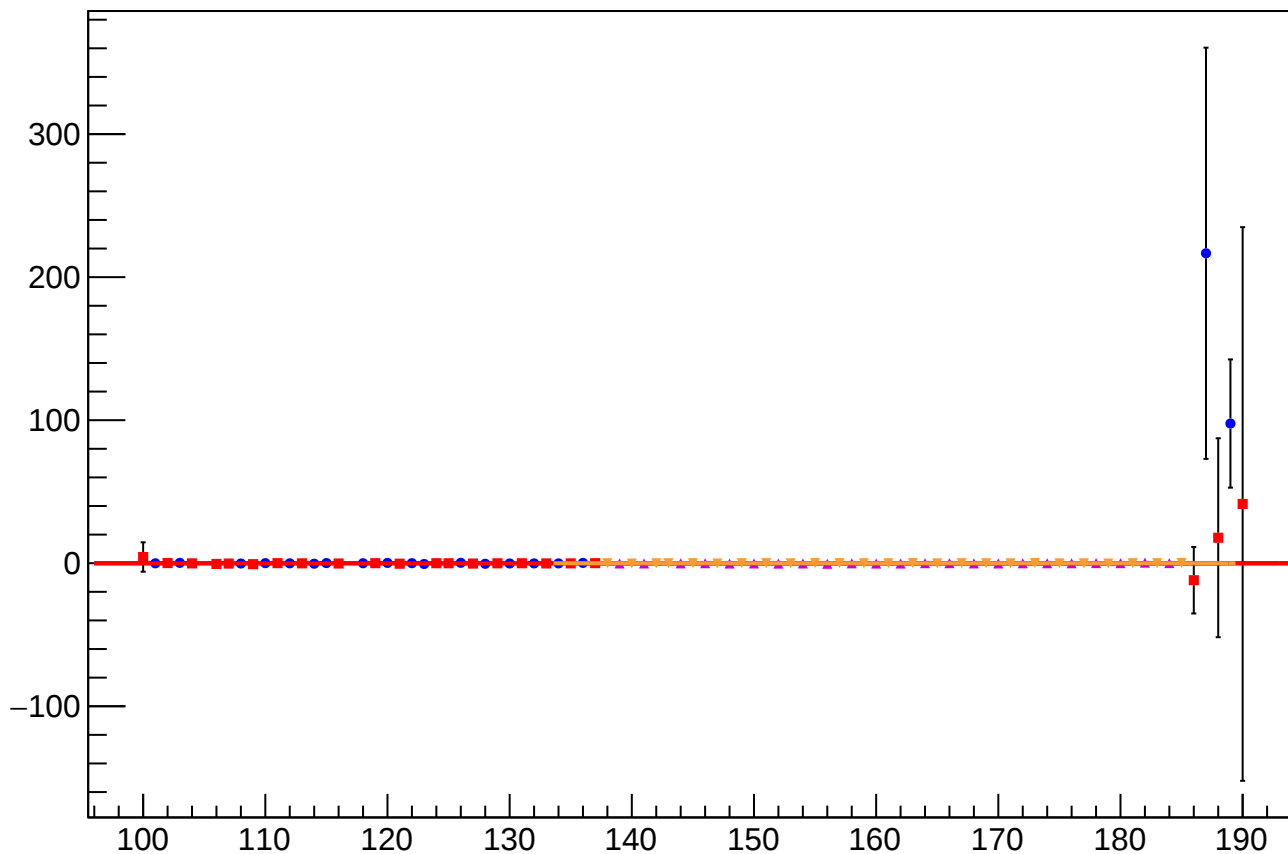
Right: 107.695 $\pm$ 15.429 χ^2/NDF : 16.3/4

In: 0.002 $\pm$ 0.028 χ^2/NDF :40.9/24

Out: 0.018 $\pm$ 0.027 χ^2/NDF :84.0/27

All: 0.010 $\pm$ 0.019 χ^2/NDF : 125.1/52

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.022 ± 0.037 χ^2/NDF : 30.0/18

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 18.8/21

Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

Left: -0.065 ± 0.015 χ^2/NDF : 73.7/47

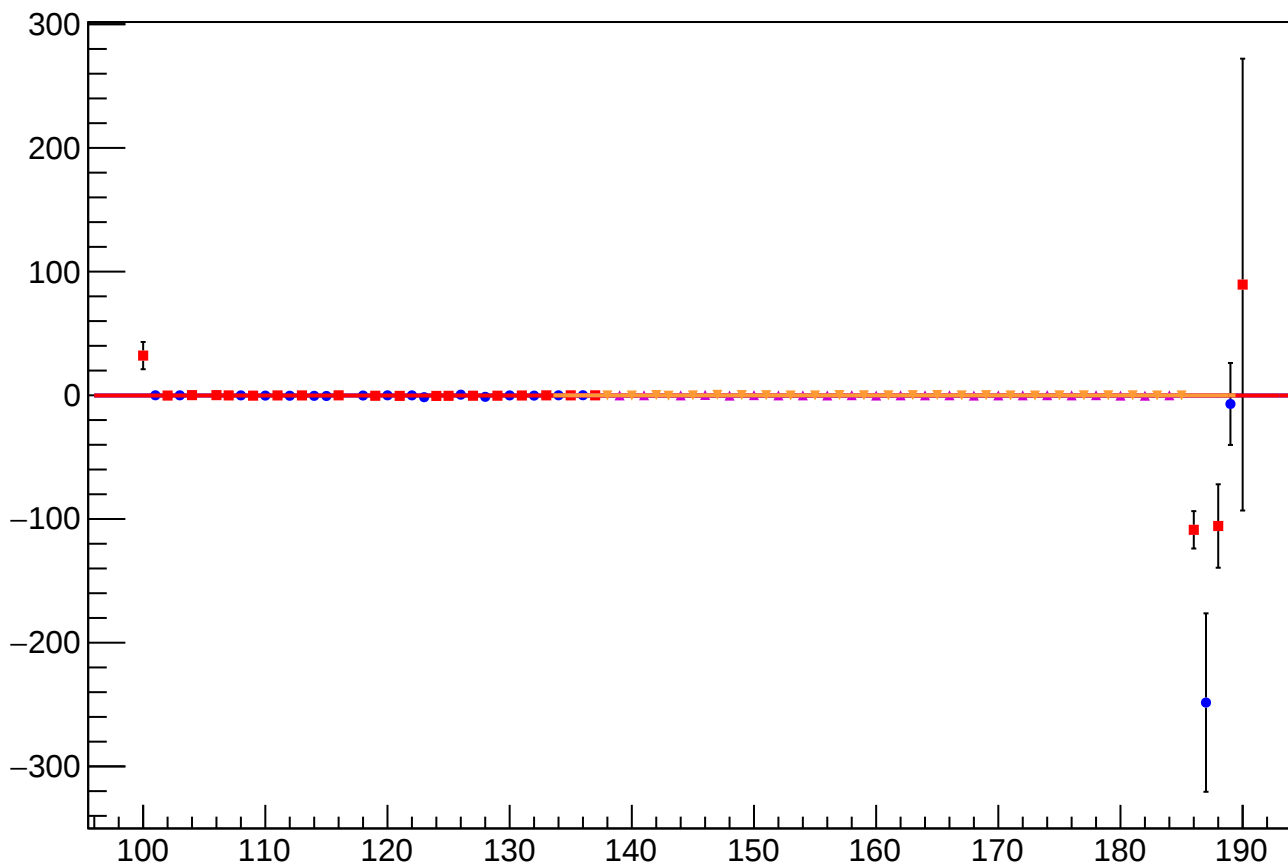
Right: -0.068 ± 0.027 χ^2/NDF : 52.1/40

In: -0.058 ± 0.019 χ^2/NDF : 80.2/41

Out: -0.073 ± 0.019 χ^2/NDF : 45.3/46

All: -0.066 ± 0.013 χ^2/NDF : 125.9/88

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.135 ± 0.067 χ^2/NDF : 36.6/18

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 76.1/21

Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

Left: -0.025 ± 0.019 χ^2/NDF : 57.6/47

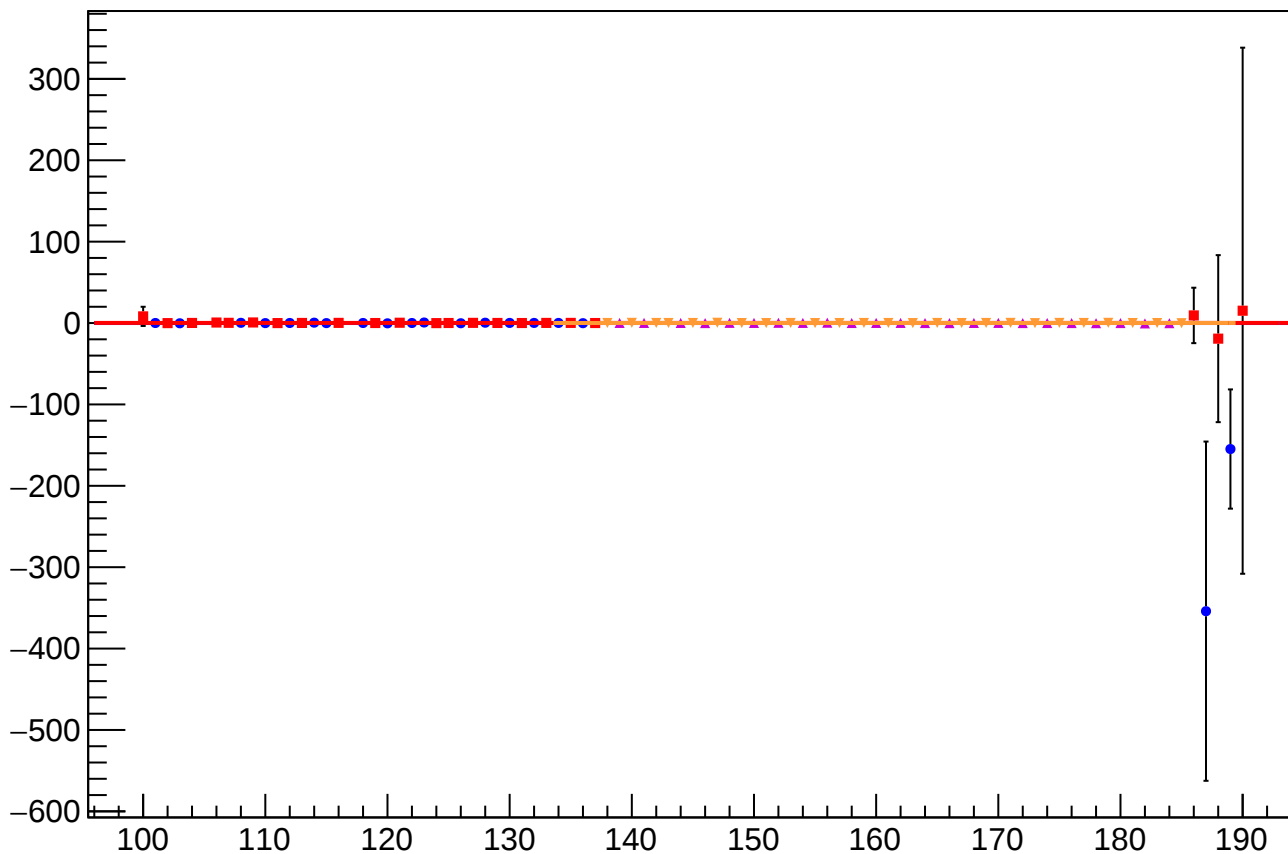
Right: -0.150 ± 0.049 χ^2/NDF : 112.8/40

In: -0.047 ± 0.025 χ^2/NDF : 67.1/41

Out: -0.037 ± 0.025 χ^2/NDF : 109.0/46

All: -0.042 ± 0.018 χ^2/NDF : 176.1/88

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.043 χ^2 /NDF: 29.0/18

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 16.9/21

Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

Left: 0.066 $\pm$ 0.017 χ^2 /NDF: 76.5/47

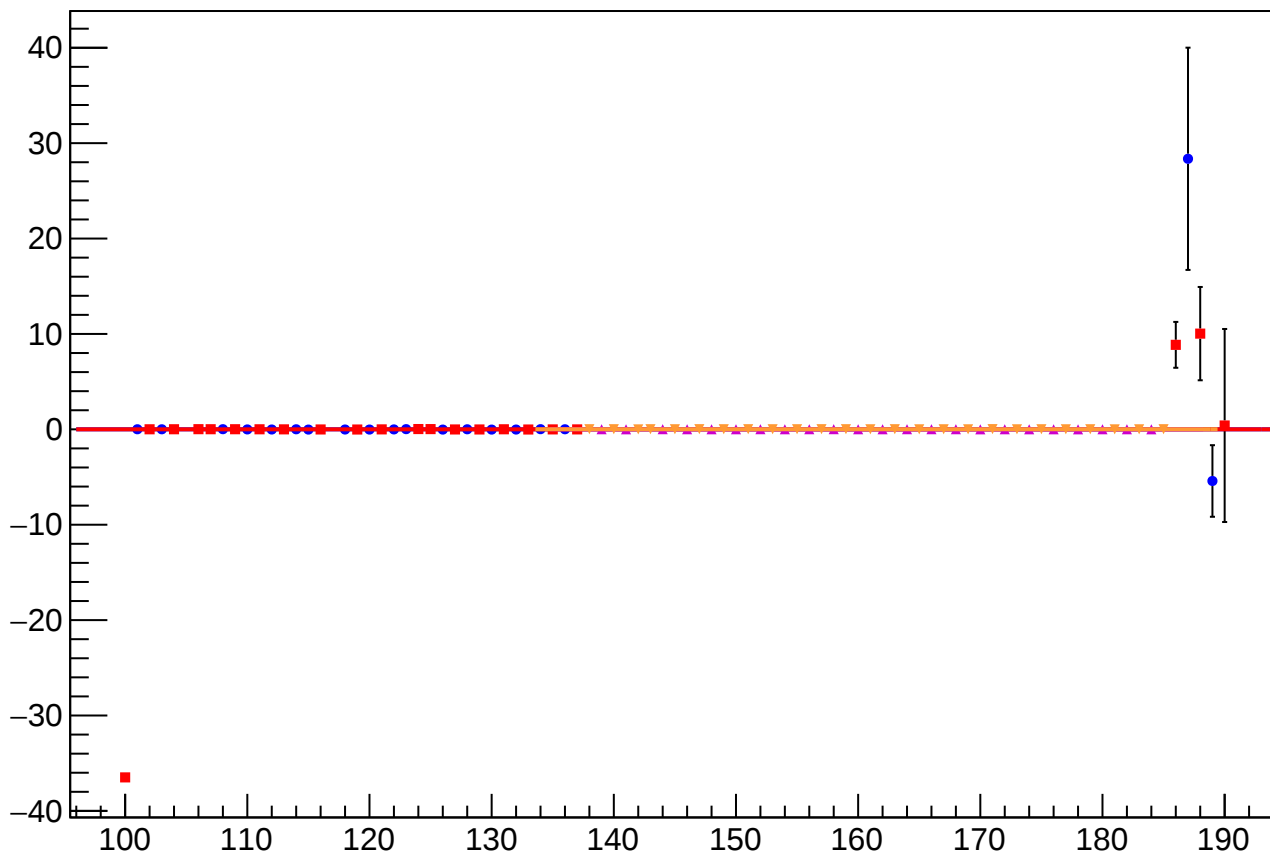
Right: 0.077 $\pm$ 0.031 χ^2 /NDF: 49.9/40

In: 0.056 $\pm$ 0.021 χ^2 /NDF:81.8/41

Out: 0.081 $\pm$ 0.021 χ^2 /NDF:44.0/46

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 126.5/88

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2/NDF : 38.5/18

Left Out: 0.008 $\pm$ 0.001 χ^2/NDF : 26.3/24

Right Out: 0.001 $\pm$ 0.002 χ^2/NDF : 10466.9/21

Left In: 0.009 $\pm$ 0.001 χ^2/NDF : 15.0/22

Left: 0.009 $\pm$ 0.001 χ^2/NDF : 41.4/47

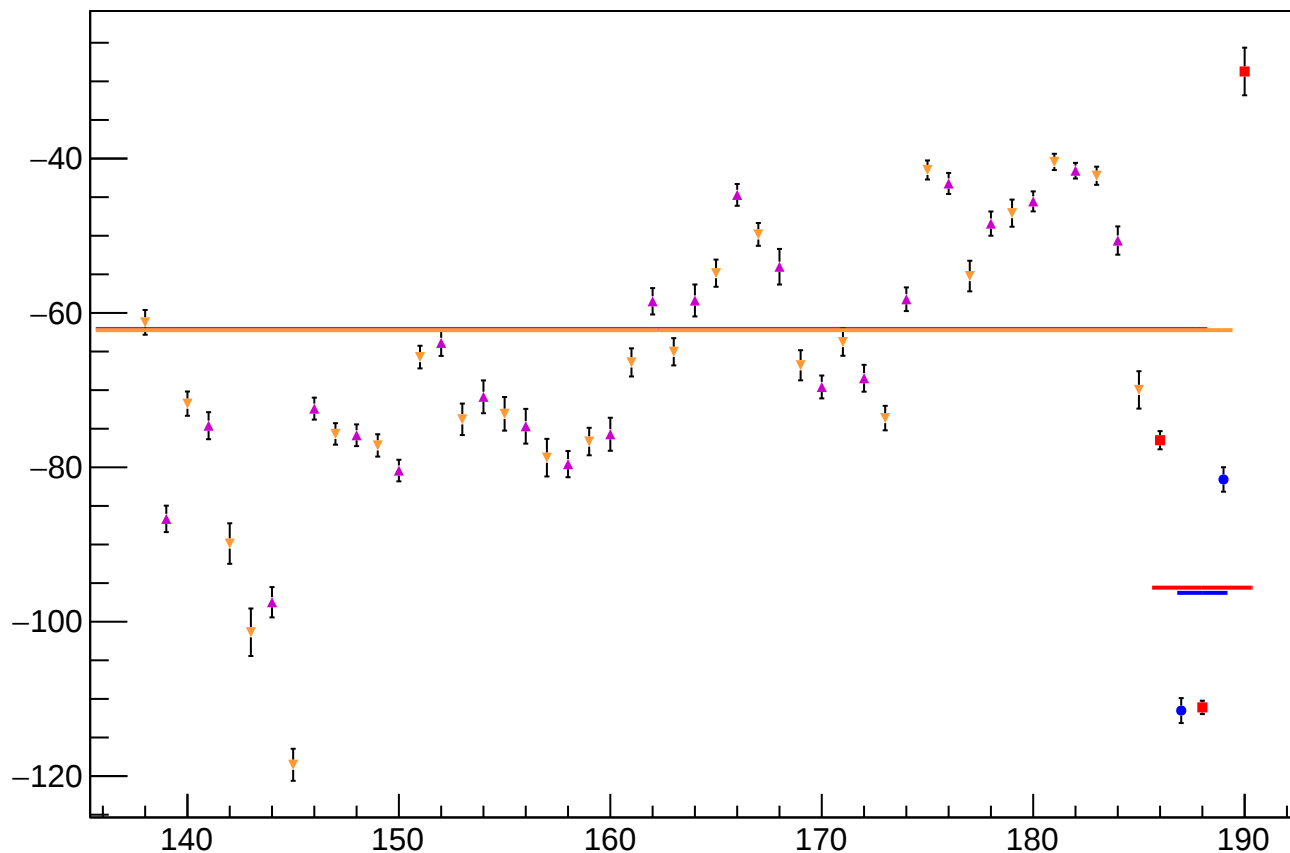
Right: 0.001 $\pm$ 0.002 χ^2/NDF : 10505.5/40

In: 0.007 $\pm$ 0.001 χ^2/NDF : 63.0/41

Out: 0.007 $\pm$ 0.001 χ^2/NDF : 10502.2/46

All: 0.007 $\pm$ 0.001 χ^2/NDF : 10565.3/88

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected

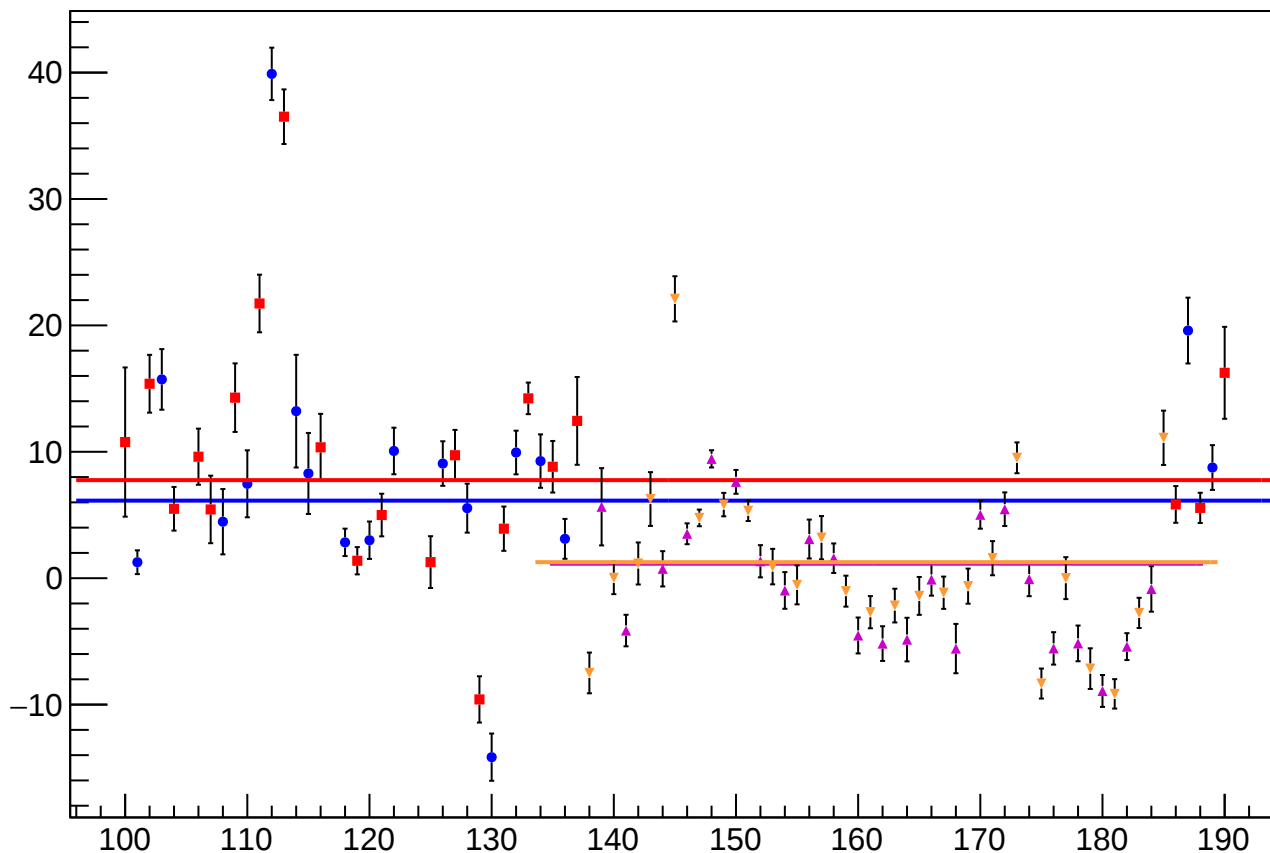


Right In: -96.260 $\pm$ 1.133 χ^2 /NDF: 174.5/1
 Left Out: -62.232 $\pm$ 0.332 χ^2 /NDF: 2668.5/24
 Right Out: -95.587 $\pm$ 0.680 χ^2 /NDF: 1055.2/2
 Left In: -62.073 $\pm$ 0.332 χ^2 /NDF: 2192.0/22

Left: -62.153 $\pm$ 0.235 χ^2 /NDF: 4860.6/47
 Right: -95.765 $\pm$ 0.583 χ^2 /NDF: 1230.0/4
 In: -64.782 $\pm$ 0.319 χ^2 /NDF: 3205.0/24
 Out: -68.655 $\pm$ 0.298 χ^2 /NDF: 5668.3/27

All: -66.848 $\pm$ 0.218 χ^2 /NDF: 8951.9/52

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.136 $\pm$ 0.412 χ^2 /NDF: 490.4/17

Left Out: 1.269 $\pm$ 0.251 χ^2 /NDF: 531.9/24

Right Out: 7.759 $\pm$ 0.404 χ^2 /NDF: 418.9/20

Left In: 1.146 $\pm$ 0.255 χ^2 /NDF: 462.9/22

Left: 1.208 $\pm$ 0.179 χ^2 /NDF: 995.0/47

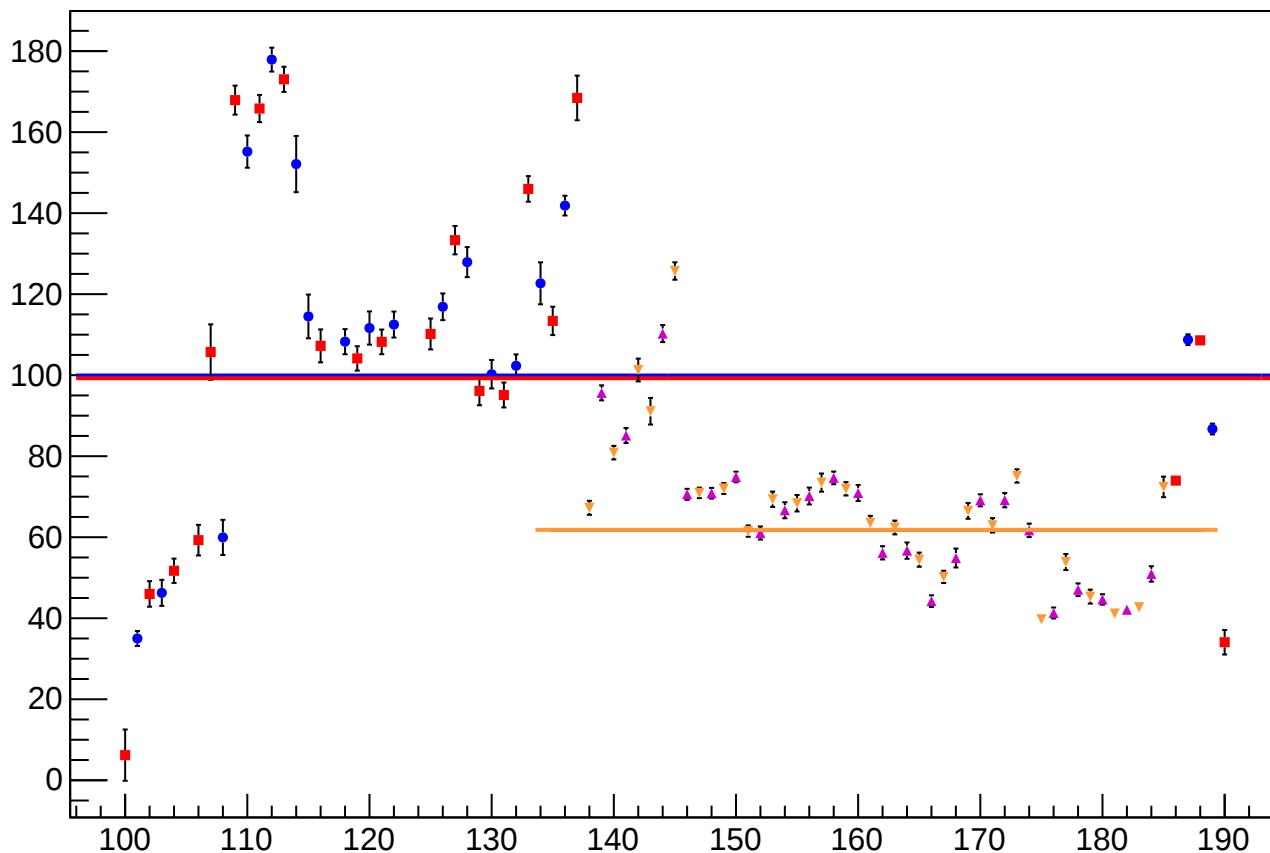
Right: 6.963 $\pm$ 0.289 χ^2 /NDF: 917.2/38

In: 2.529 $\pm$ 0.217 χ^2 /NDF: 1059.2/40

Out: 3.072 $\pm$ 0.213 χ^2 /NDF: 1136.9/45

All: 2.805 $\pm$ 0.152 χ^2 /NDF: 2199.2/86

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 99.911+/-0.615 χ^2/NDF : 3119.5/17

Left Out: 61.812+/-0.331 χ^2/NDF : 2686.4/24

Right Out: 99.245+/-0.459 χ^2/NDF : 4066.4/20

Left In: 61.762+/-0.330 χ^2/NDF : 2418.2/22

Left: 61.787+/-0.234 χ^2/NDF : 5104.6/47

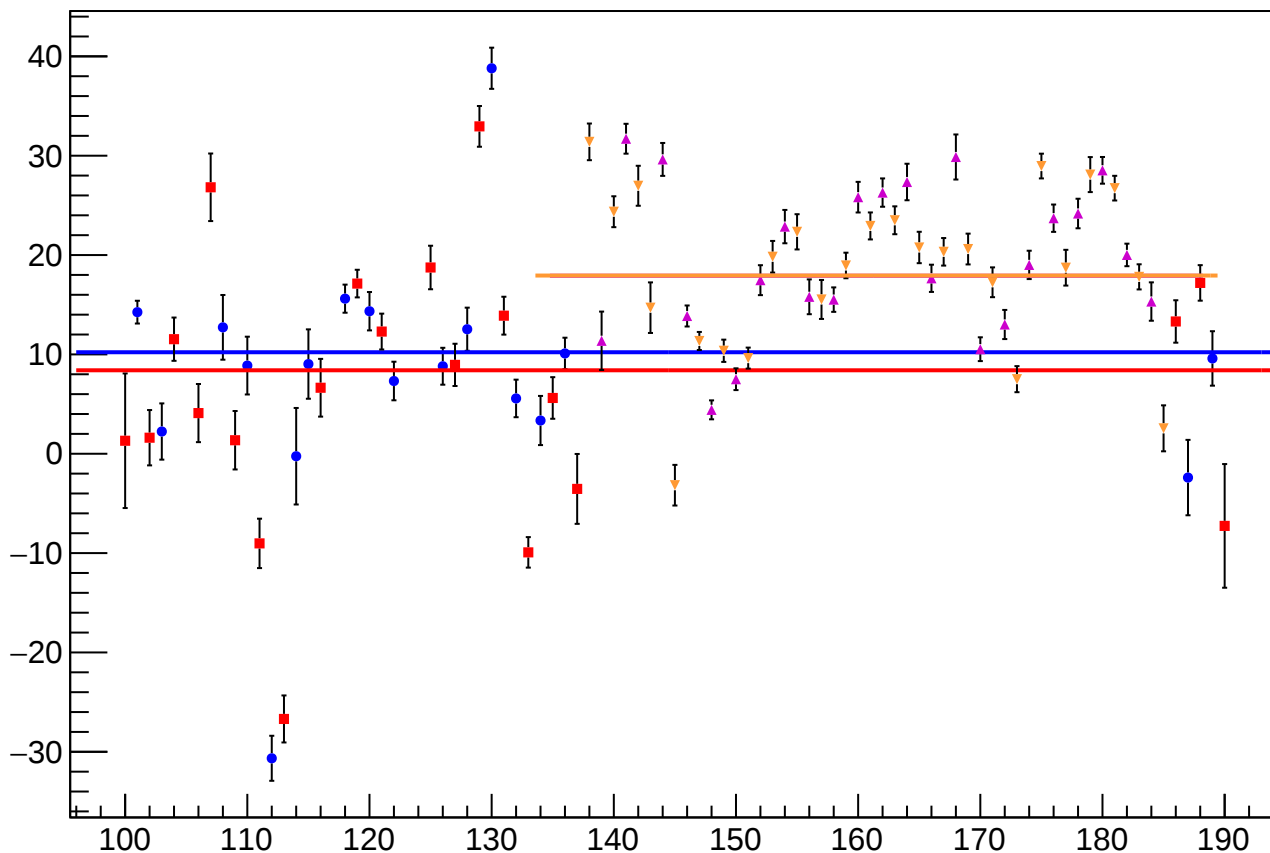
Right: 99.483+/-0.368 χ^2/NDF : 7186.6/38

In: 70.281+/-0.291 χ^2/NDF : 8522.8/40

Out: 74.584+/-0.268 χ^2/NDF : 11126.1/45

All: 72.605+/-0.197 χ^2/NDF : 19767.1/86

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.217 $\pm$ 0.486 χ^2 /NDF: 589.3/17

Left Out: 17.937 $\pm$ 0.289 χ^2 /NDF: 676.0/24

Right Out: 8.401 $\pm$ 0.488 χ^2 /NDF: 725.6/20

Left In: 17.916 $\pm$ 0.292 χ^2 /NDF: 726.5/22

Left: 17.927 $\pm$ 0.206 χ^2 /NDF: 1402.5/47

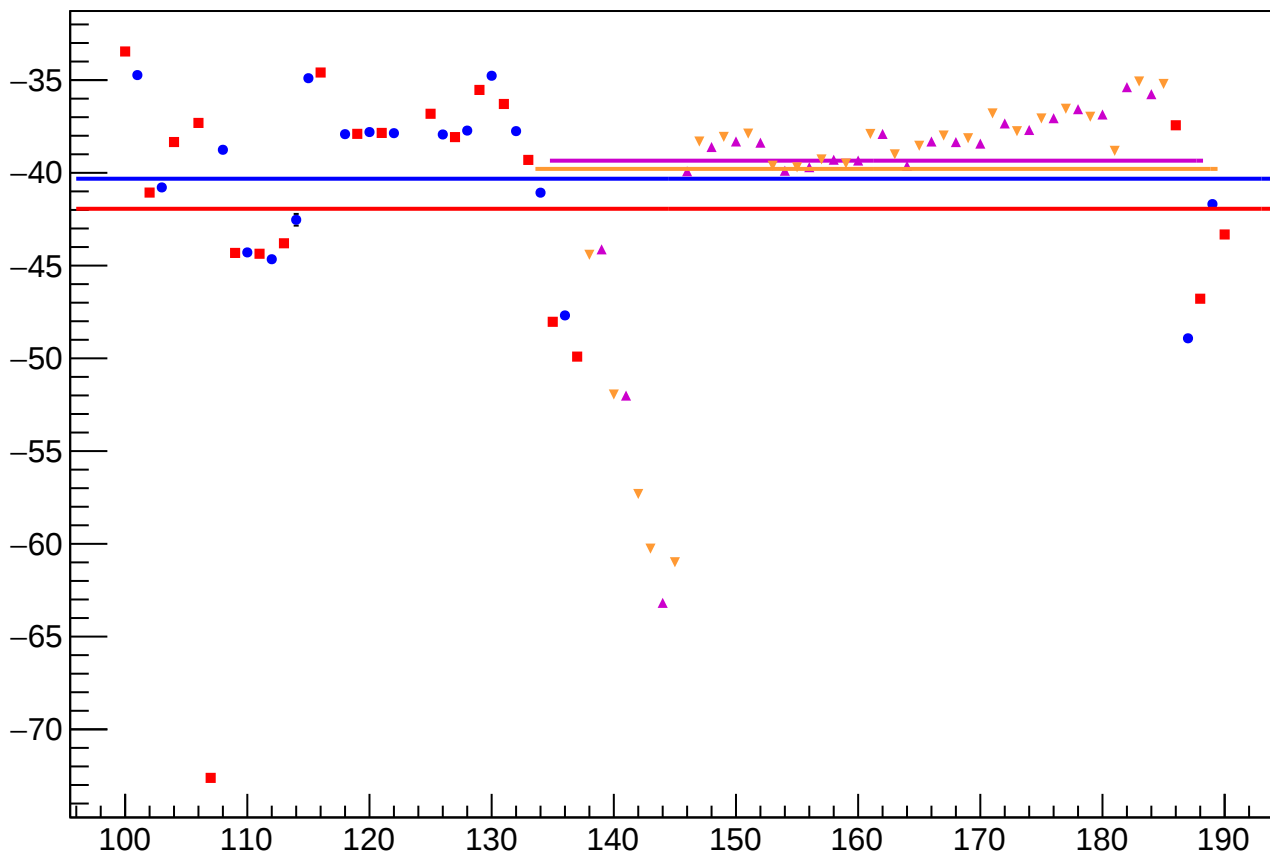
Right: 9.313 $\pm$ 0.344 χ^2 /NDF: 1321.8/38

In: 15.872 $\pm$ 0.251 χ^2 /NDF: 1499.9/40

Out: 15.462 $\pm$ 0.249 χ^2 /NDF: 1684.3/45

All: 15.665 $\pm$ 0.176 χ^2 /NDF: 3185.6/86

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.317 $\pm$ 0.027 χ^2/NDF : 26839.3/17

Left Out: -39.788 $\pm$ 0.014 χ^2/NDF :165493.8/24

Right Out: -41.938 $\pm$ 0.027 χ^2/NDF : 65516.3/20

Left In: -39.344 $\pm$ 0.014 χ^2/NDF :116615.7/22

Left: -39.565 $\pm$ 0.010 χ^2/NDF : 282639.2/47

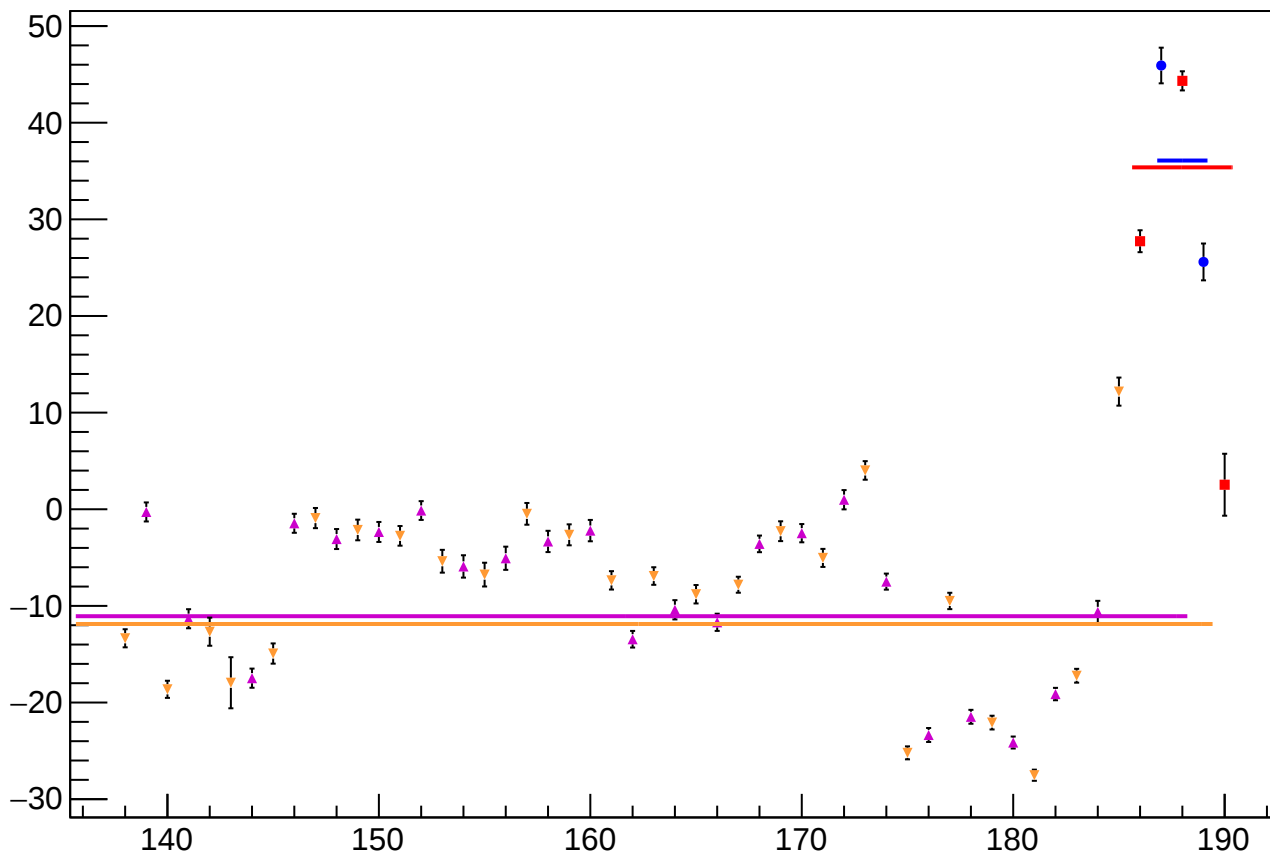
Right: -41.151 $\pm$ 0.019 χ^2/NDF : 94149.4/38

In: -39.536 $\pm$ 0.012 χ^2/NDF :144465.0/40

Out: -40.235 $\pm$ 0.012 χ^2/NDF :236161.7/45

All: -39.886 $\pm$ 0.009 χ^2/NDF : 382275.8/86

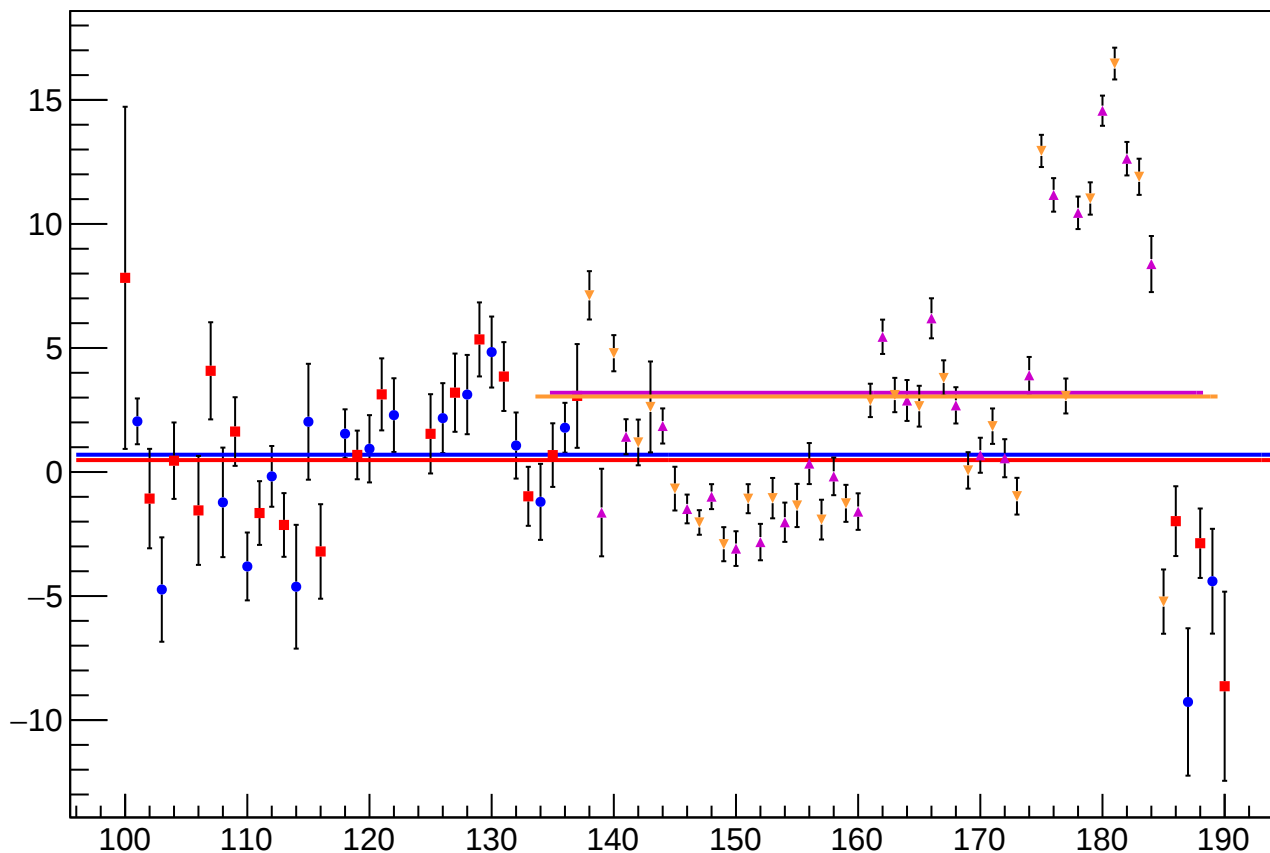
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 36.085 ± 1.326 $\chi^2/\text{NDF}: 58.7/1$
 Left Out: -11.873 ± 0.186 $\chi^2/\text{NDF}: 2745.2/24$
 Right Out: 35.378 ± 0.727 $\chi^2/\text{NDF}: 232.1/2$
 Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

Left: -11.473 ± 0.132 $\chi^2/\text{NDF}: 4859.2/47$
 Right: 35.542 ± 0.637 $\chi^2/\text{NDF}: 291.0/4$
 In: -10.137 ± 0.186 $\chi^2/\text{NDF}: 3403.9/24$
 Out: -8.956 ± 0.181 $\chi^2/\text{NDF}: 6945.3/27$
 All: -9.529 ± 0.130 $\chi^2/\text{NDF}: 10370.0/52$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.698 ± 0.336 $\chi^2/\text{NDF}: 59.3/17$

Left Out: 3.044 ± 0.147 $\chi^2/\text{NDF}: 1457.3/24$

Right Out: 0.480 ± 0.332 $\chi^2/\text{NDF}: 58.2/20$

Left In: 3.194 ± 0.150 $\chi^2/\text{NDF}: 1295.0/22$

Left: 3.118 ± 0.105 $\chi^2/\text{NDF}: 2752.7/47$

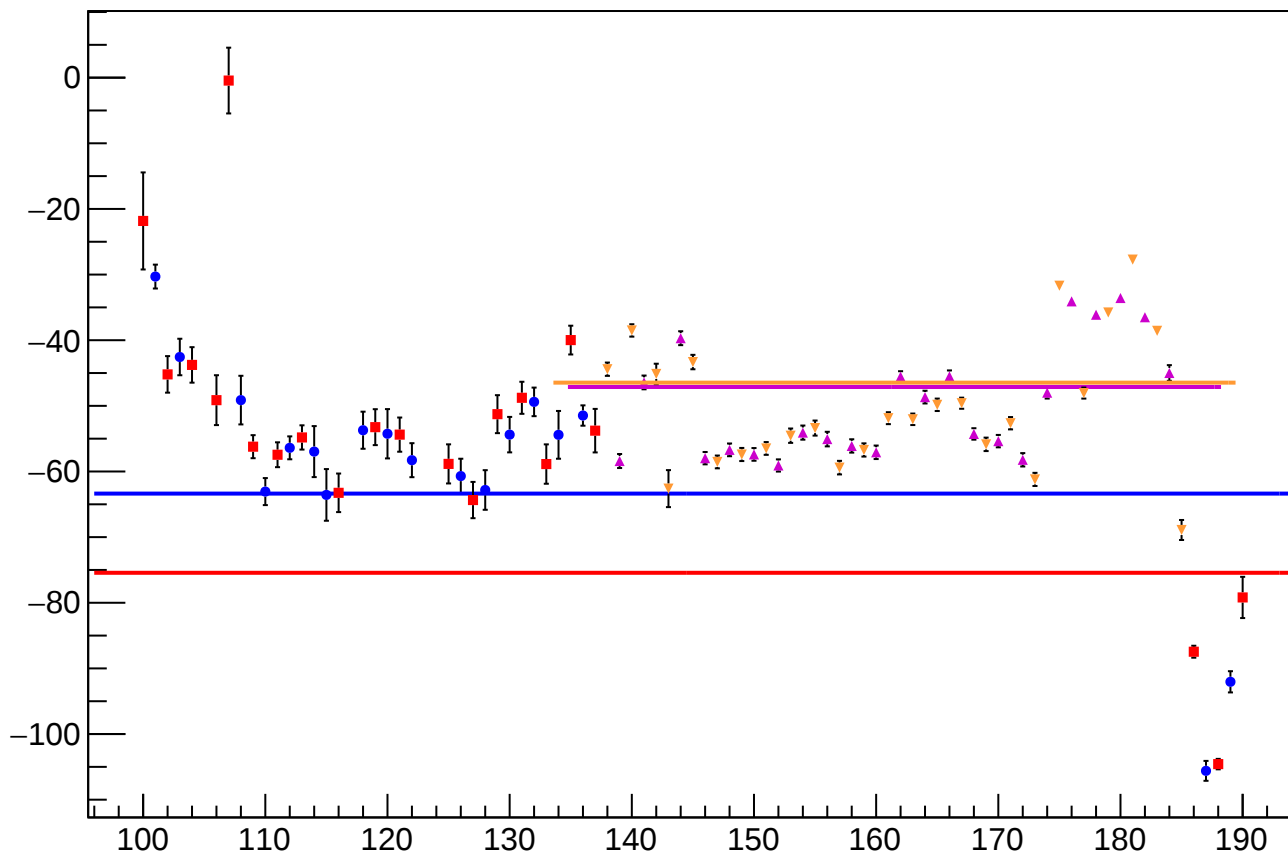
Right: 0.588 ± 0.236 $\chi^2/\text{NDF}: 117.7/38$

In: 2.779 ± 0.137 $\chi^2/\text{NDF}: 1400.4/40$

Out: 2.622 ± 0.135 $\chi^2/\text{NDF}: 1565.3/45$

All: 2.699 ± 0.096 $\chi^2/\text{NDF}: 2966.4/86$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -63.367 ± 0.538 χ^2/NDF : 1650.7/17

Left Out: -46.463 ± 0.186 χ^2/NDF : 3319.7/24

Right Out: -75.433 ± 0.426 χ^2/NDF : 3143.7/20

Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

Left: -46.793 ± 0.132 χ^2/NDF : 5842.0/47

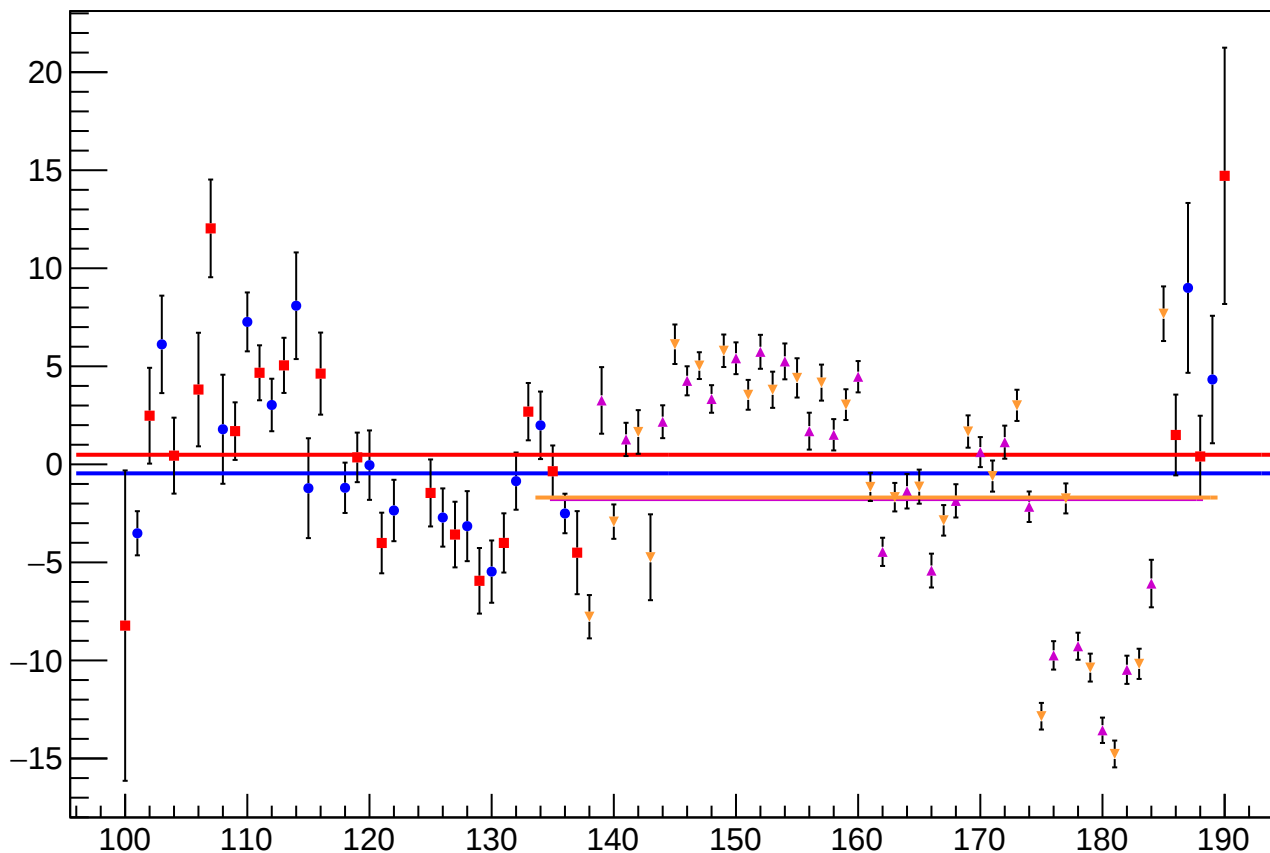
Right: -70.780 ± 0.334 χ^2/NDF : 5103.5/38

In: -48.882 ± 0.177 χ^2/NDF : 4979.6/40

Out: -51.104 ± 0.171 χ^2/NDF : 10343.4/45

All: -50.033 ± 0.123 χ^2/NDF : 15404.9/86

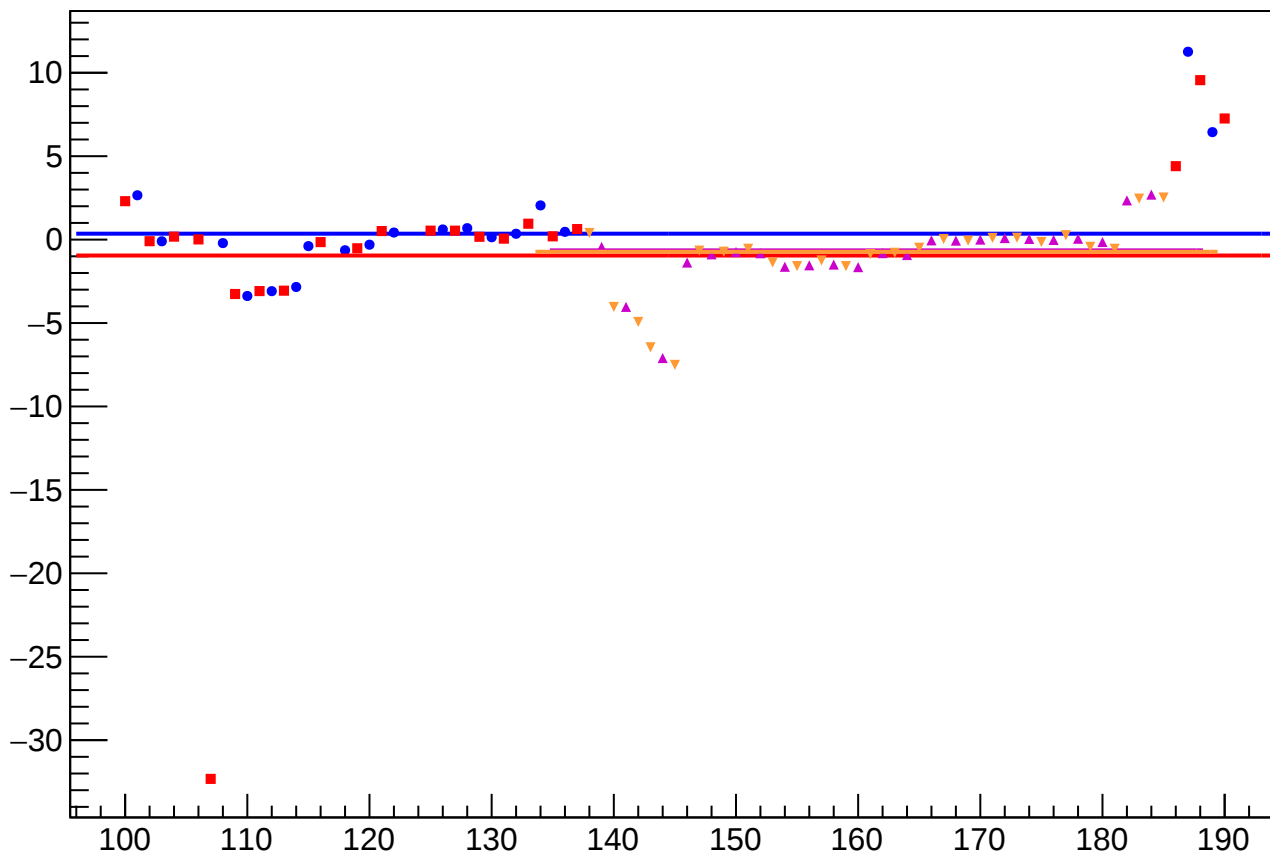
reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.459 ± 0.383 $\chi^2/\text{NDF}: 87.8/17$
 Left Out: -1.693 ± 0.167 $\chi^2/\text{NDF}: 1485.7/24$
 Right Out: 0.489 ± 0.385 $\chi^2/\text{NDF}: 101.2/20$
 Left In: -1.771 ± 0.169 $\chi^2/\text{NDF}: 1251.3/22$

Left: -1.731 ± 0.119 $\chi^2/\text{NDF}: 2737.1/47$
 Right: 0.013 ± 0.272 $\chi^2/\text{NDF}: 192.0/38$
 In: -1.558 ± 0.155 $\chi^2/\text{NDF}: 1348.8/40$
 Out: -1.349 ± 0.153 $\chi^2/\text{NDF}: 1613.9/45$
 All: -1.452 ± 0.109 $\chi^2/\text{NDF}: 2963.7/86$

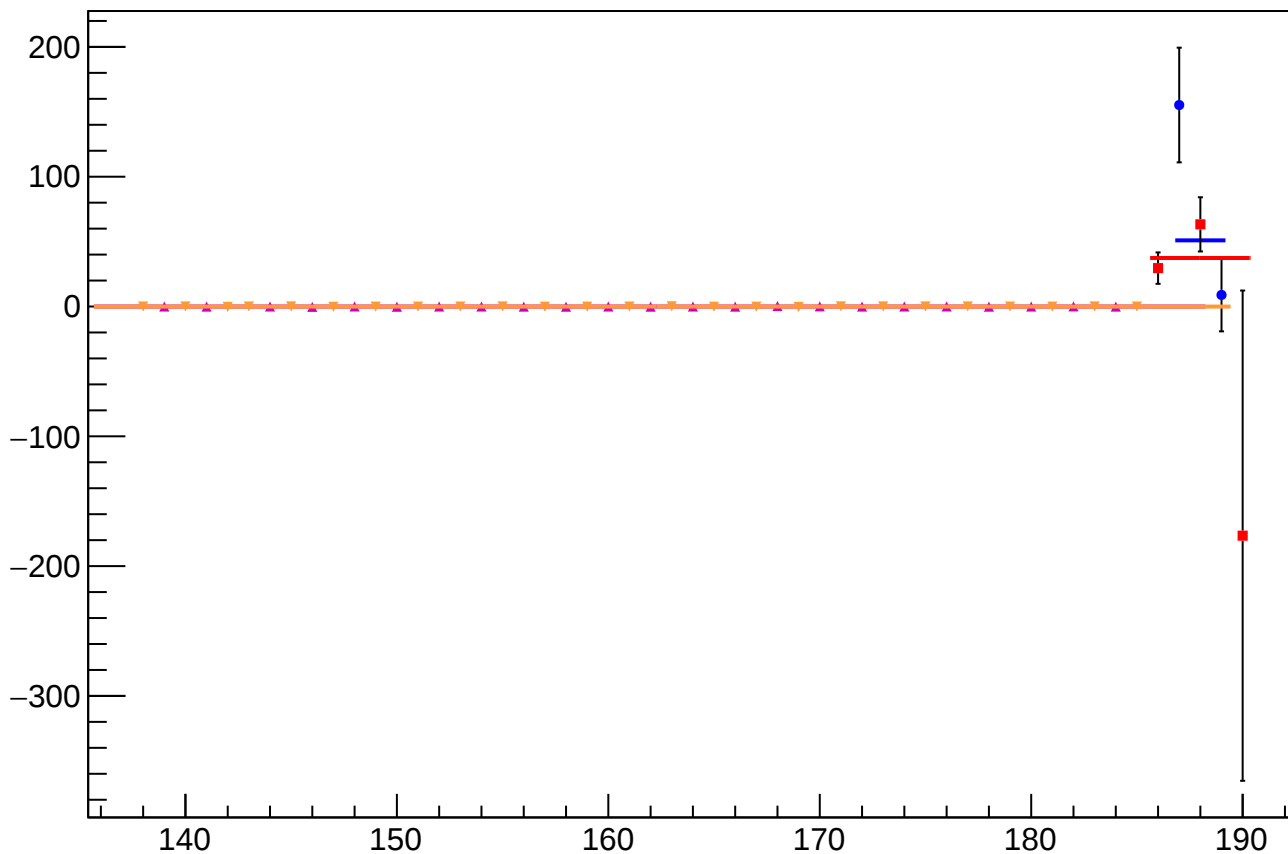
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.355 ± 0.021 $\chi^2/\text{NDF}: 9091.3/17$
 Left Out: -0.728 ± 0.008 $\chi^2/\text{NDF}: 56403.8/24$
 Right Out: -0.953 ± 0.021 $\chi^2/\text{NDF}: 92229.3/20$
 Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

Left: -0.686 ± 0.005 $\chi^2/\text{NDF}: 100633.3/47$
 Right: -0.306 ± 0.015 $\chi^2/\text{NDF}: 103233.6/38$
 In: -0.529 ± 0.007 $\chi^2/\text{NDF}: 55213.3/40$
 Out: -0.754 ± 0.007 $\chi^2/\text{NDF}: 148734.6/45$
 All: -0.642 ± 0.005 $\chi^2/\text{NDF}: 204437.9/86$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.963+/-23.688 χ^2/NDF : 7.8/1

Left Out: -0.036+/-0.018 χ^2/NDF : 35.6/24

Right Out: 37.396+/-10.447 χ^2/NDF : 3.2/2

Left In: -0.010+/-0.018 χ^2/NDF : 35.1/22

Left: -0.023+/-0.013 χ^2/NDF : 71.8/47

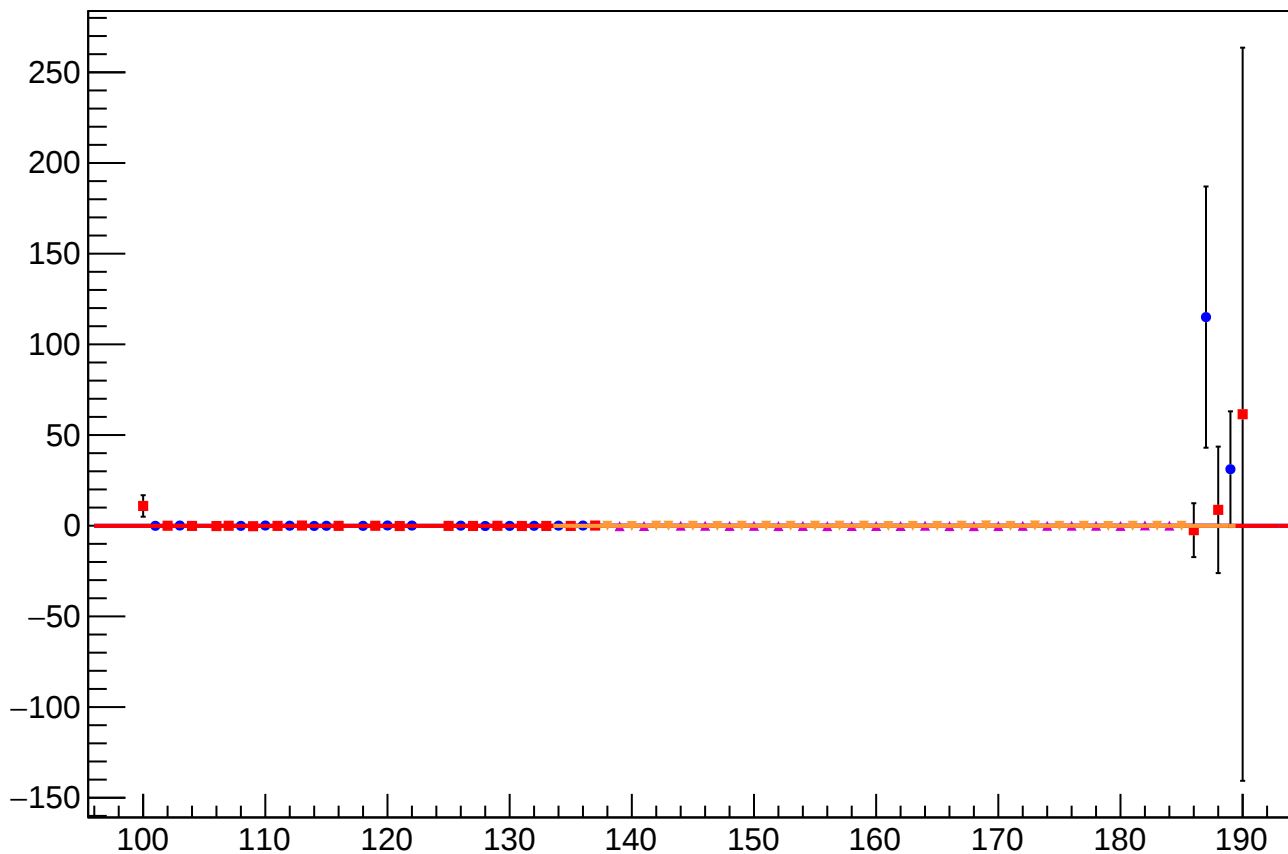
Right: 39.605+/-9.559 χ^2/NDF : 11.3/4

In: -0.010+/-0.018 χ^2/NDF : 47.6/24

Out: -0.036+/-0.018 χ^2/NDF : 51.7/27

All: -0.023+/-0.013 χ^2/NDF : 100.3/52

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 15.5/17

Left Out: -0.071 $\pm$ 0.014 χ^2 /NDF: 28.3/24

Right Out: -0.088 $\pm$ 0.025 χ^2 /NDF: 13.1/20

Left In: -0.064 $\pm$ 0.014 χ^2 /NDF: 41.1/22

Left: -0.067 $\pm$ 0.010 χ^2 /NDF: 69.5/47

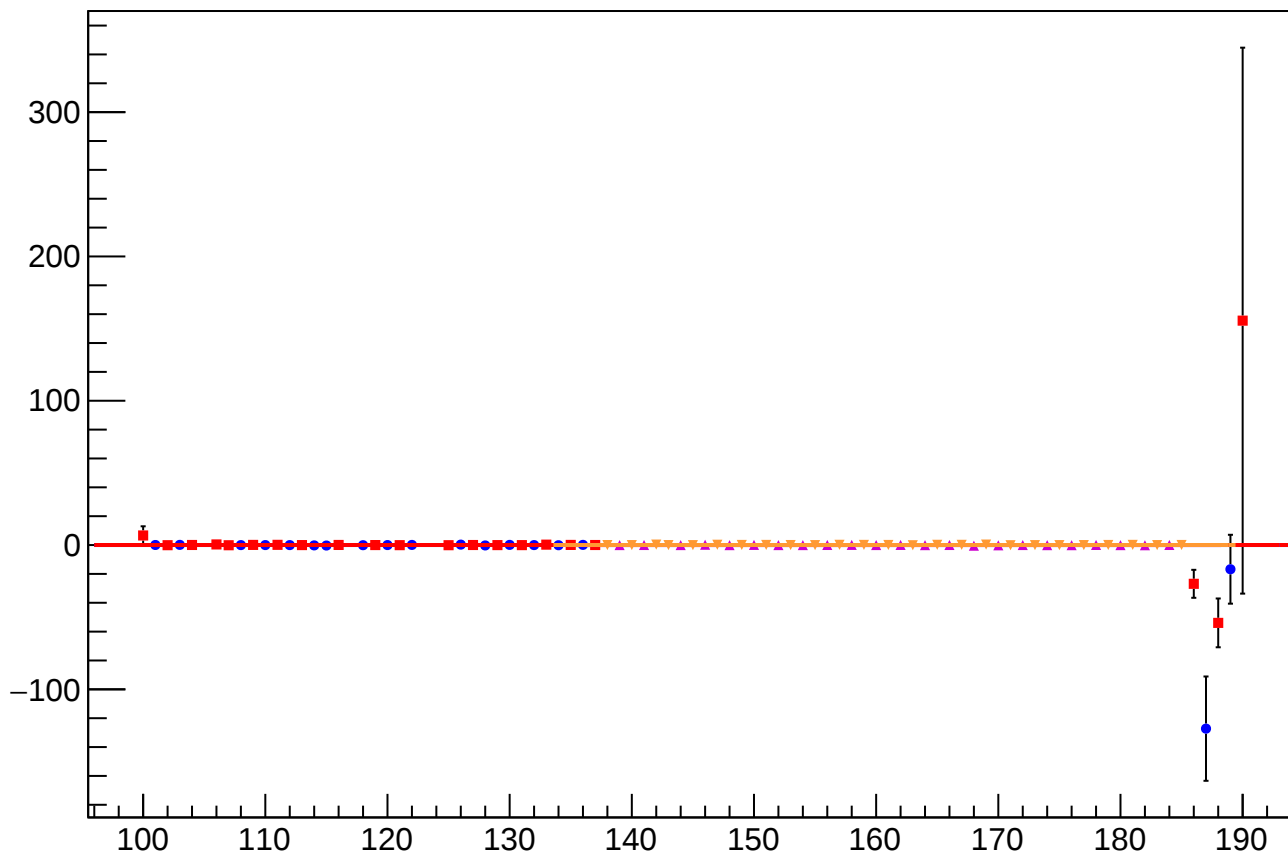
Right: -0.049 $\pm$ 0.017 χ^2 /NDF: 33.4/38

In: -0.050 $\pm$ 0.012 χ^2 /NDF: 60.0/40

Out: -0.075 $\pm$ 0.012 χ^2 /NDF: 41.8/45

All: -0.063 $\pm$ 0.009 χ^2 /NDF: 103.8/86

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.016+/-0.043 χ^2/NDF : 22.0/17

Left Out: 0.033+/-0.018 χ^2/NDF : 32.6/24

Right Out: 0.031+/-0.045 χ^2/NDF : 27.6/20

Left In: -0.009+/-0.018 χ^2/NDF : 36.8/22

Left: 0.013+/-0.013 χ^2/NDF : 72.2/47

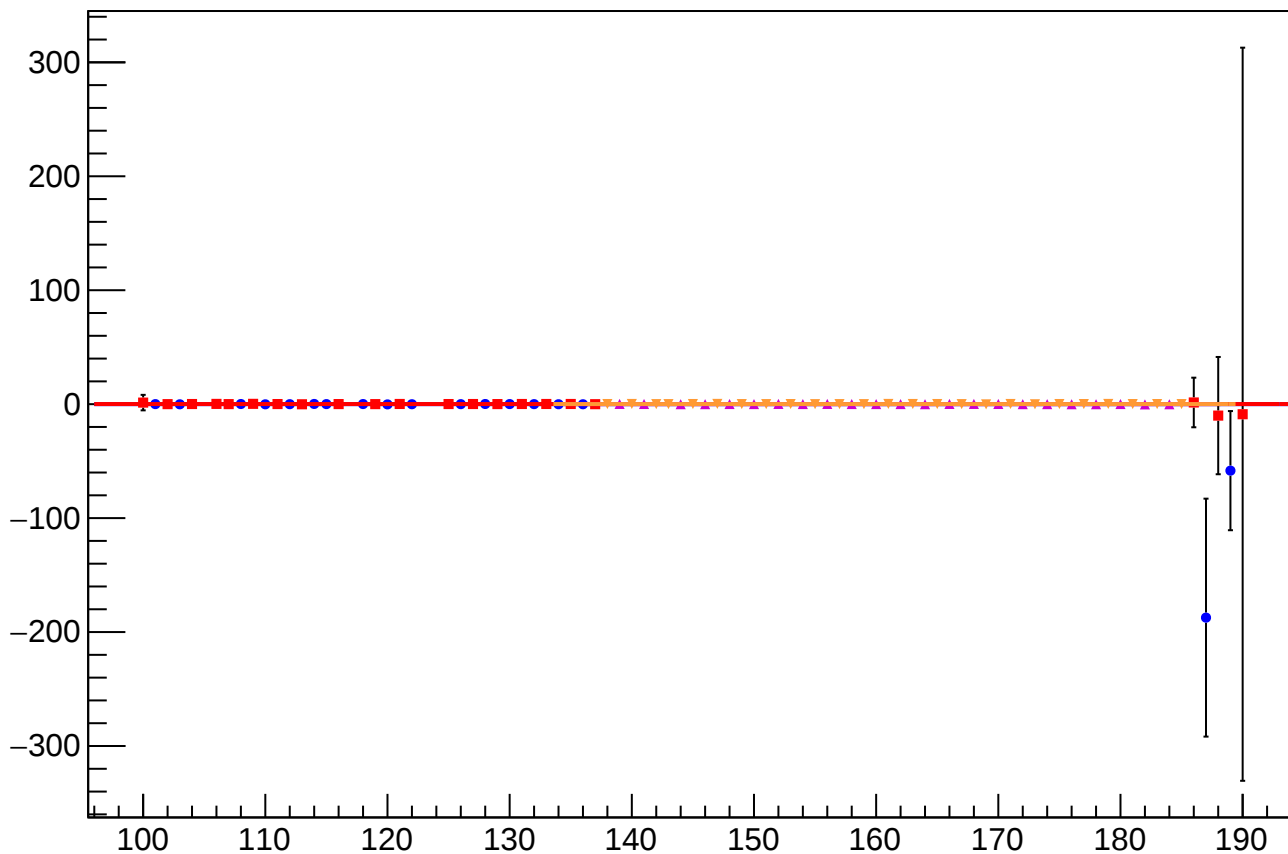
Right: 0.023+/-0.031 χ^2/NDF : 49.7/38

In: -0.005+/-0.017 χ^2/NDF : 59.1/40

Out: 0.033+/-0.016 χ^2/NDF : 60.2/45

All: 0.014+/-0.012 χ^2/NDF : 122.0/86

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.008+/-0.027 χ^2/NDF : 16.2/17

Left Out: 0.084+/-0.016 χ^2/NDF : 28.1/24

Right Out: 0.105+/-0.029 χ^2/NDF : 8.2/20

Left In: 0.070+/-0.016 χ^2/NDF : 44.8/22

Left: 0.077+/-0.011 χ^2/NDF : 73.3/47

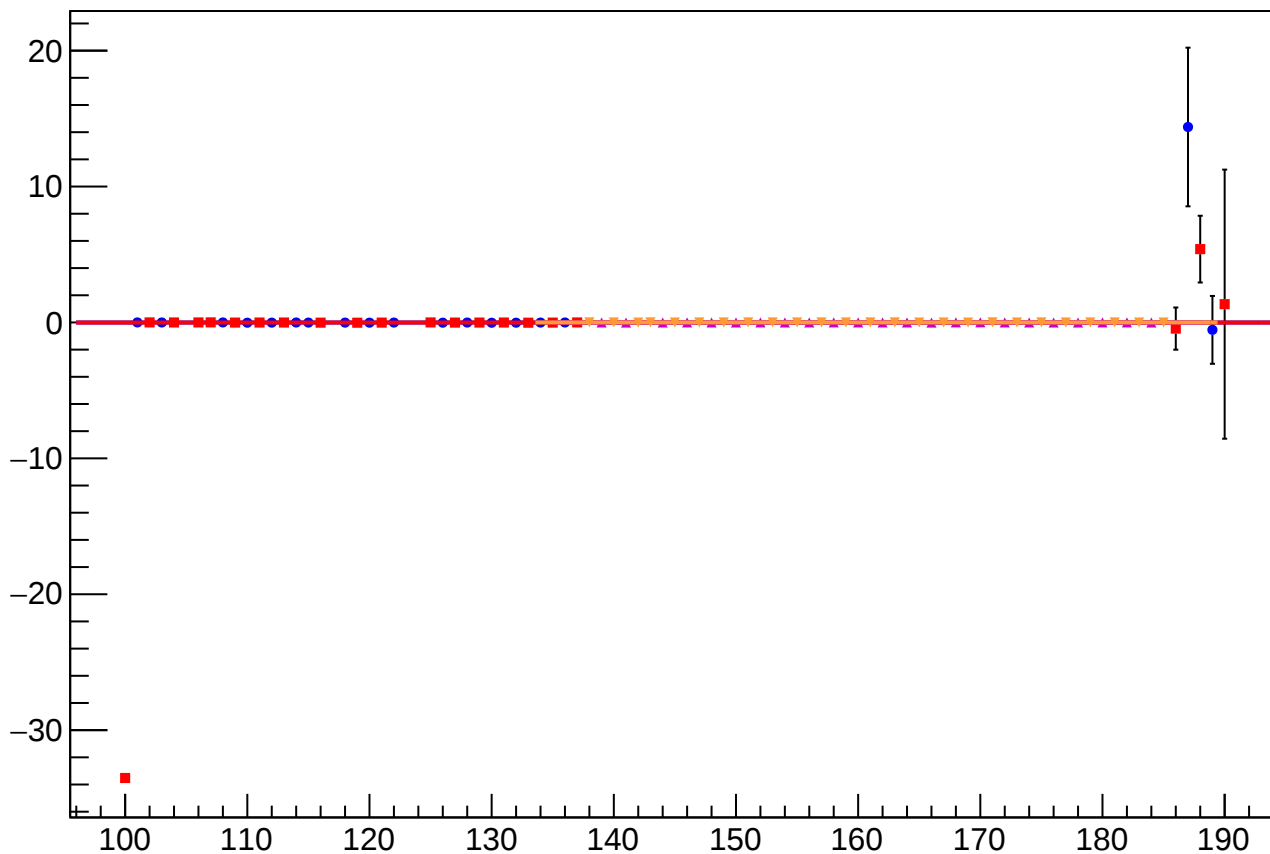
Right: 0.054+/-0.020 χ^2/NDF : 30.4/38

In: 0.053+/-0.014 χ^2/NDF : 64.8/40

Out: 0.089+/-0.014 χ^2/NDF : 36.7/45

All: 0.071+/-0.010 χ^2/NDF : 104.7/86

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 27.6/17

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF:26.1/24

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26513.9/20

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF:22.3/22

Left: 0.000 $\pm$ 0.001 χ^2 /NDF: 48.6/47

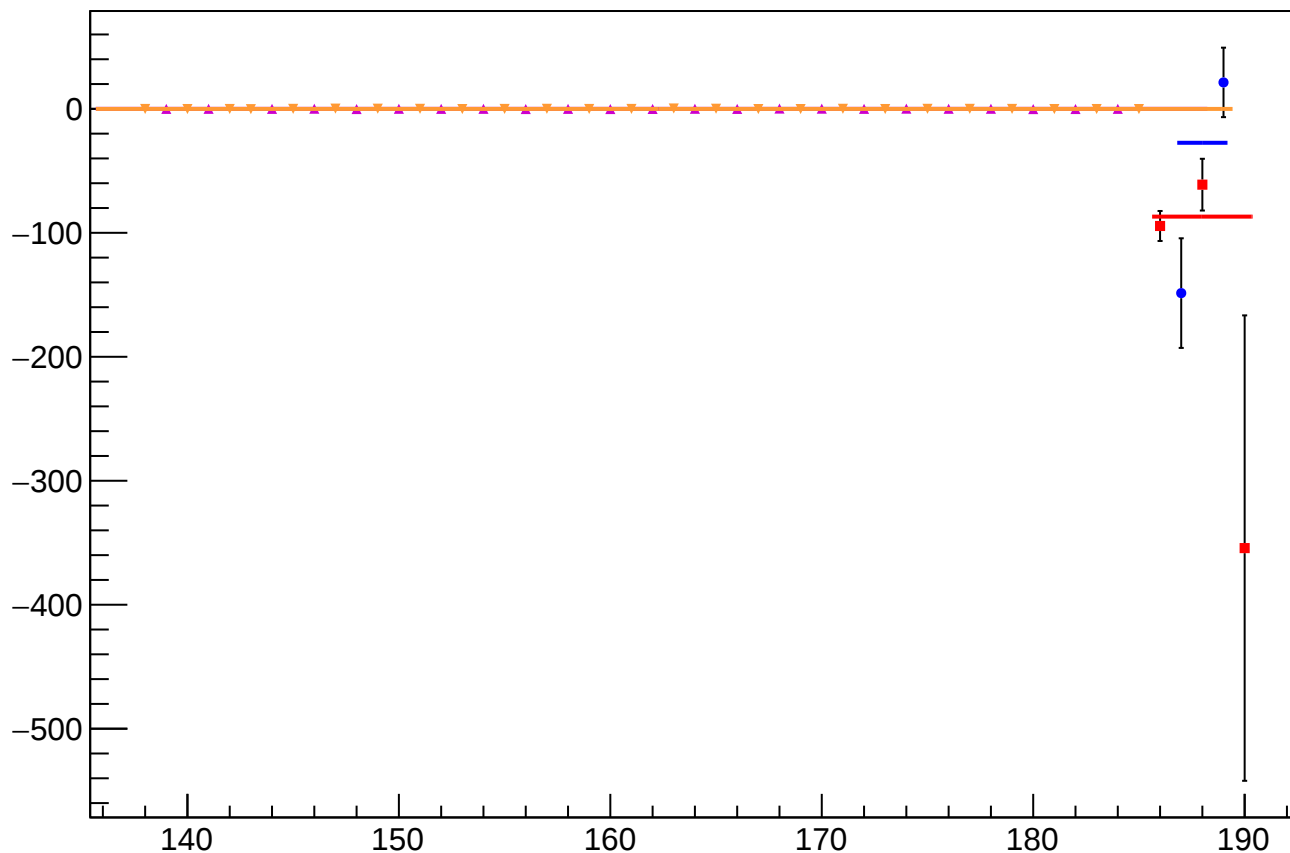
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26541.6/38

In: -0.001 $\pm$ 0.001 χ^2 /NDF:61.7/40

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26556.2/45

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 26618.0/86

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.379 ± 23.669 $\chi^2/\text{NDF}: 10.5/1$

Left Out: -0.059 ± 0.018 $\chi^2/\text{NDF}: 41.7/24$

Right Out: -86.935 ± 10.450 $\chi^2/\text{NDF}: 3.9/2$

Left In: -0.009 ± 0.018 $\chi^2/\text{NDF}: 35.1/22$

Left: -0.034 ± 0.013 $\chi^2/\text{NDF}: 80.7/47$

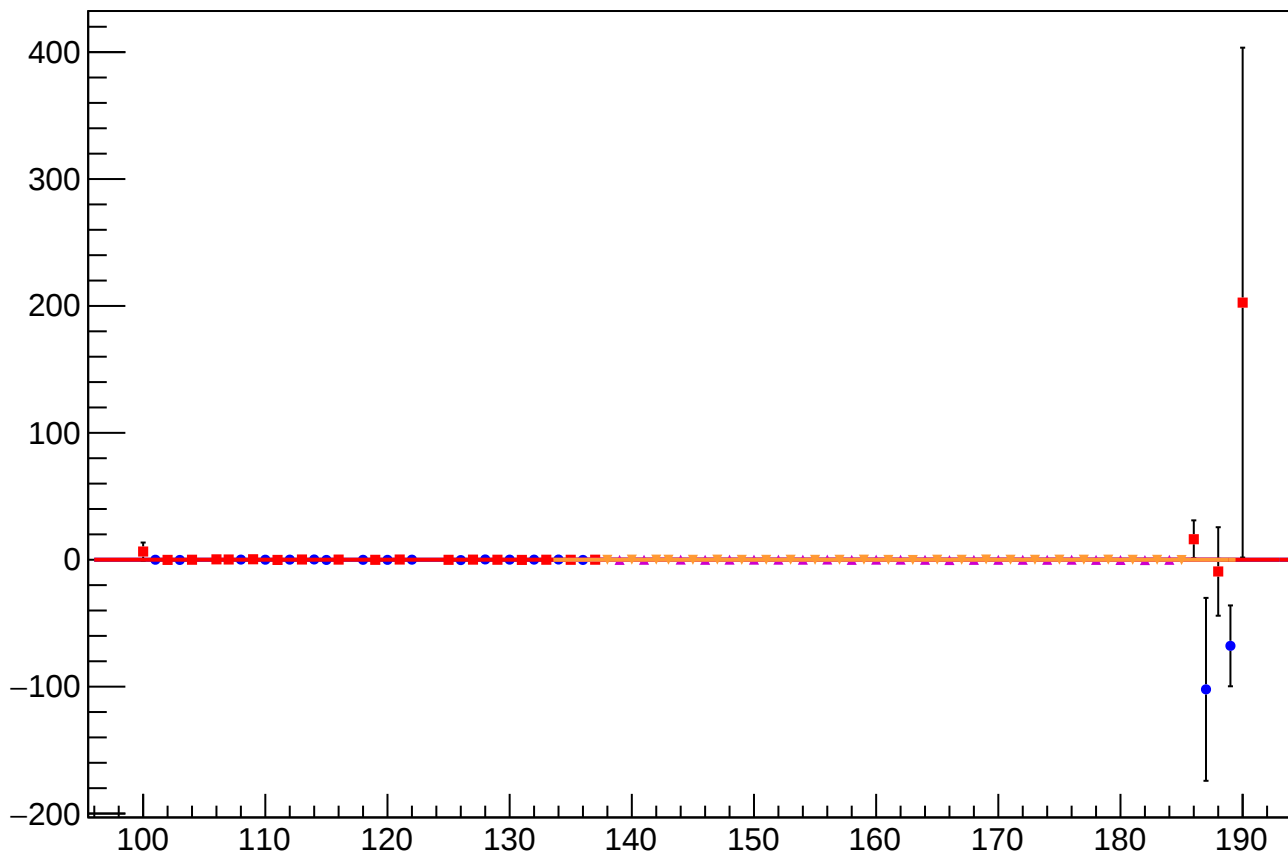
Right: -77.220 ± 9.560 $\chi^2/\text{NDF}: 19.8/4$

In: -0.009 ± 0.018 $\chi^2/\text{NDF}: 47.0/24$

Out: -0.059 ± 0.018 $\chi^2/\text{NDF}: 114.7/27$

All: -0.035 ± 0.013 $\chi^2/\text{NDF}: 165.7/52$

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.023 χ^2 /NDF: 31.7/17

Left Out: -0.010 $\pm$ 0.014 χ^2 /NDF:29.7/24

Right Out: 0.037 $\pm$ 0.025 χ^2 /NDF: 31.0/20

Left In: 0.005 $\pm$ 0.014 χ^2 /NDF:49.6/22

Left: -0.003 $\pm$ 0.010 χ^2 /NDF: 79.8/47

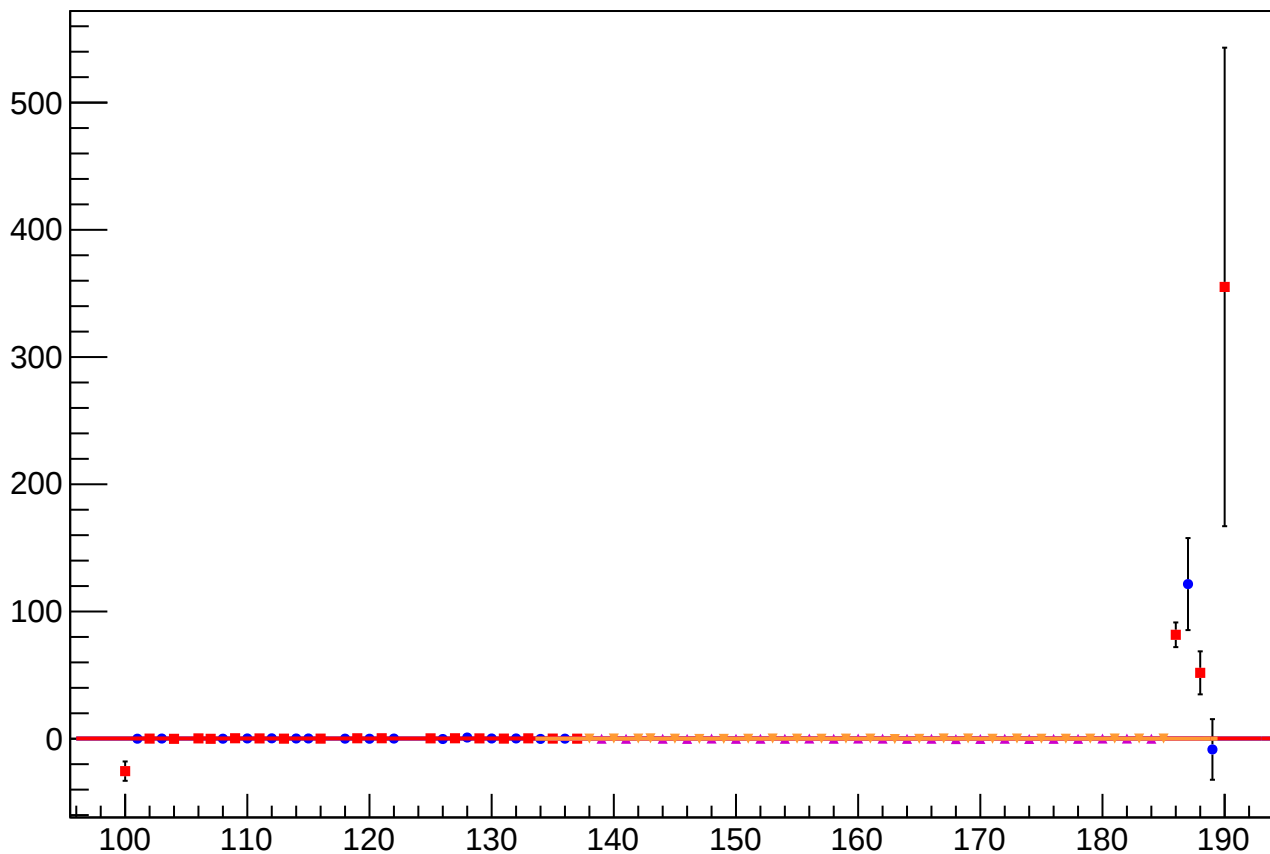
Right: 0.021 $\pm$ 0.017 χ^2 /NDF: 63.4/38

In: 0.006 $\pm$ 0.012 χ^2 /NDF:81.3/40

Out: 0.001 $\pm$ 0.012 χ^2 /NDF:63.3/45

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 144.6/86

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 41.1/17

Left Out: 0.055 $\pm$ 0.018 χ^2 /NDF:41.0/24

Right Out: 0.197 $\pm$ 0.045 χ^2 /NDF: 105.5/20

Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

Left: 0.038 $\pm$ 0.013 χ^2 /NDF: 78.7/47

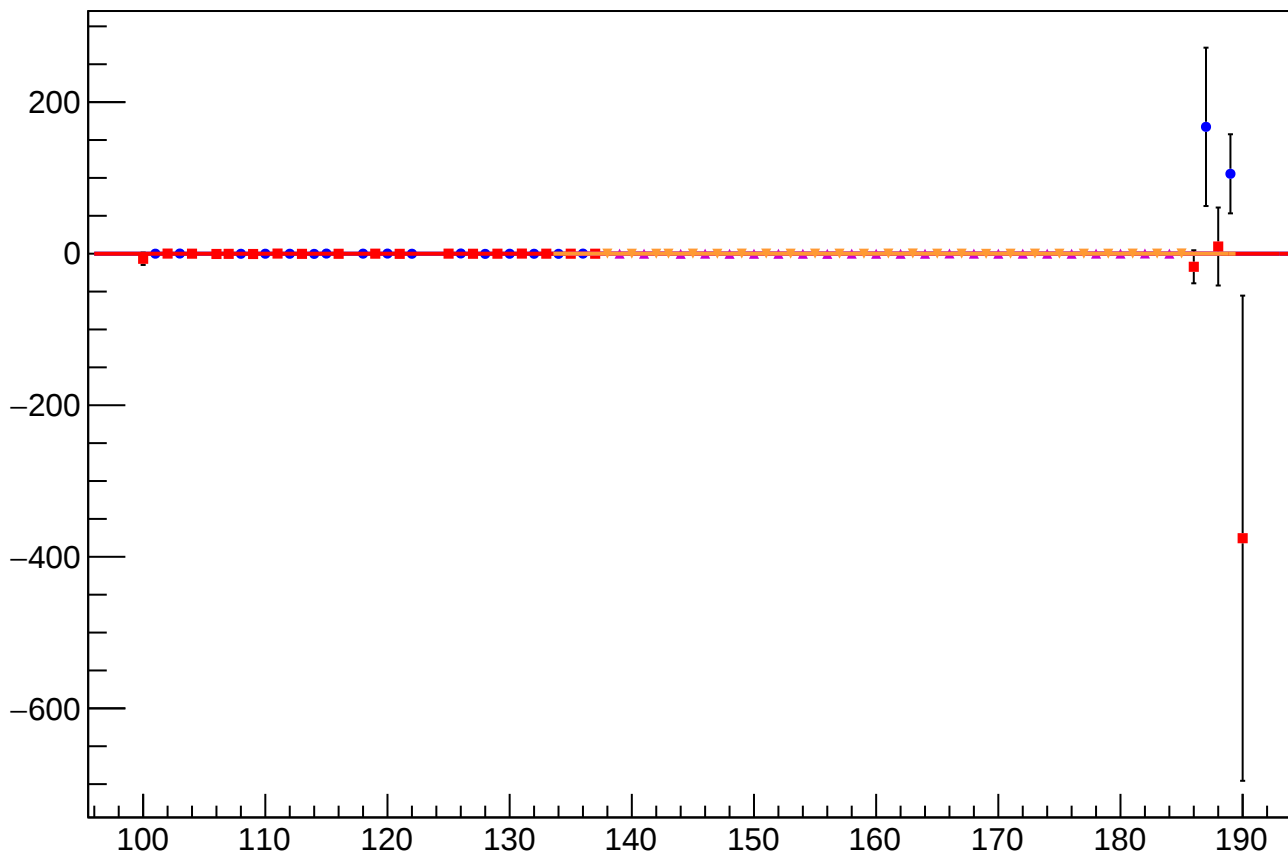
Right: 0.176 $\pm$ 0.031 χ^2 /NDF: 147.0/38

In: 0.040 $\pm$ 0.017 χ^2 /NDF:85.5/40

Out: 0.074 $\pm$ 0.016 χ^2 /NDF:155.1/45

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 242.7/86

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.010 ± 0.027 χ^2/NDF : 31.3/17

Left Out: 0.021 ± 0.016 χ^2/NDF : 33.4/24

Right Out: -0.046 ± 0.029 χ^2/NDF : 28.3/20

Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

Left: 0.014 ± 0.011 χ^2/NDF : 84.0/47

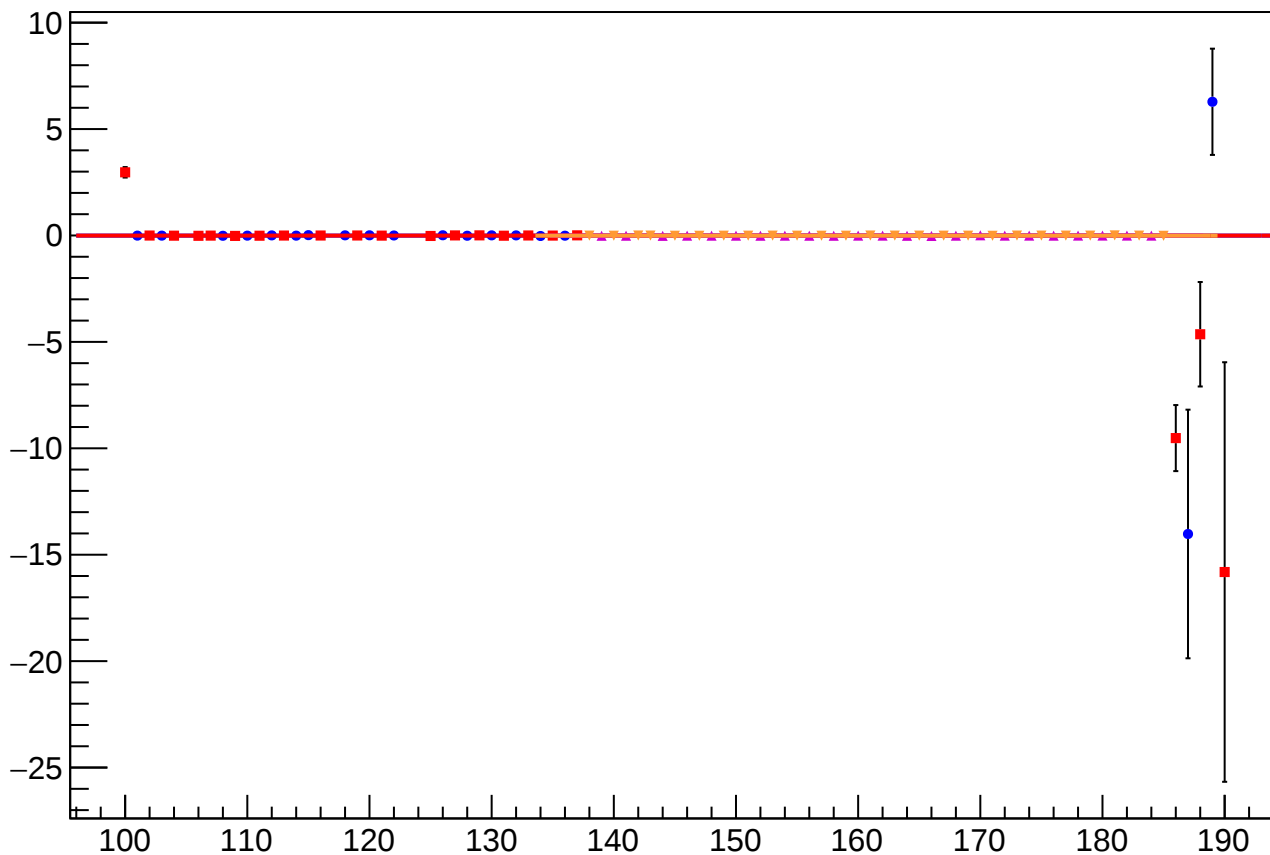
Right: -0.027 ± 0.020 χ^2/NDF : 60.4/38

In: 0.002 ± 0.014 χ^2/NDF : 81.6/40

Out: 0.005 ± 0.014 χ^2/NDF : 65.9/45

All: 0.003 ± 0.010 χ^2/NDF : 147.6/86

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2/NDF : 39.6/17

Left Out: -0.008+/-0.001 χ^2/NDF : 32.7/24

Right Out: -0.006+/-0.001 χ^2/NDF : 209.0/20

Left In: -0.009+/-0.001 χ^2/NDF : 37.2/22

Left: -0.008+/-0.001 χ^2/NDF : 70.3/47

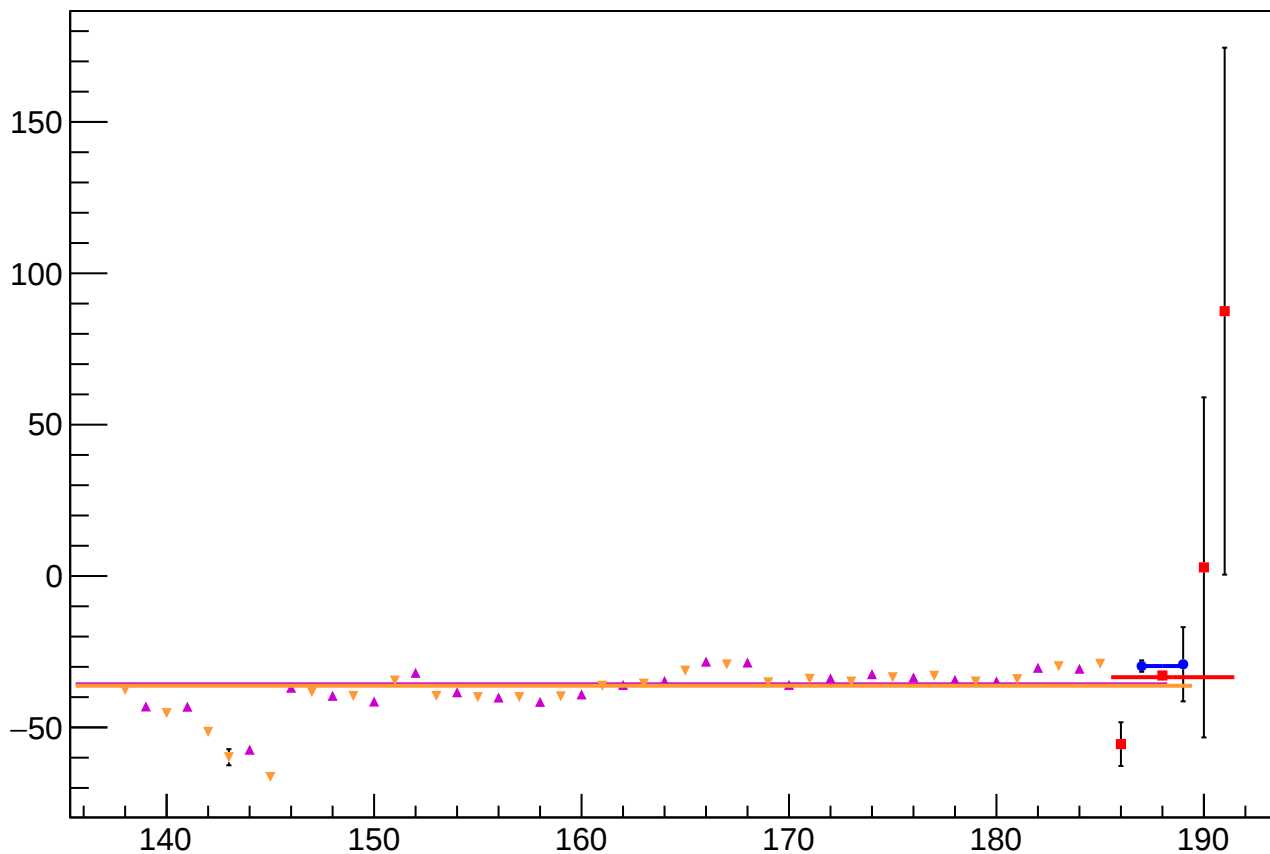
Right: -0.006+/-0.001 χ^2/NDF : 248.6/38

In: -0.008+/-0.001 χ^2/NDF : 79.3/40

Out: -0.008+/-0.001 χ^2/NDF : 243.6/45

All: -0.008+/-0.000 χ^2/NDF : 323.2/86

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -29.734 ± 1.853 χ^2/NDF : 0.0/1

Left Out: -36.243 ± 0.191 χ^2/NDF : 1193.9/24

Right Out: -33.413 ± 1.164 χ^2/NDF : 11.9/3

Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

Left: -36.011 ± 0.135 χ^2/NDF : 2050.9/47

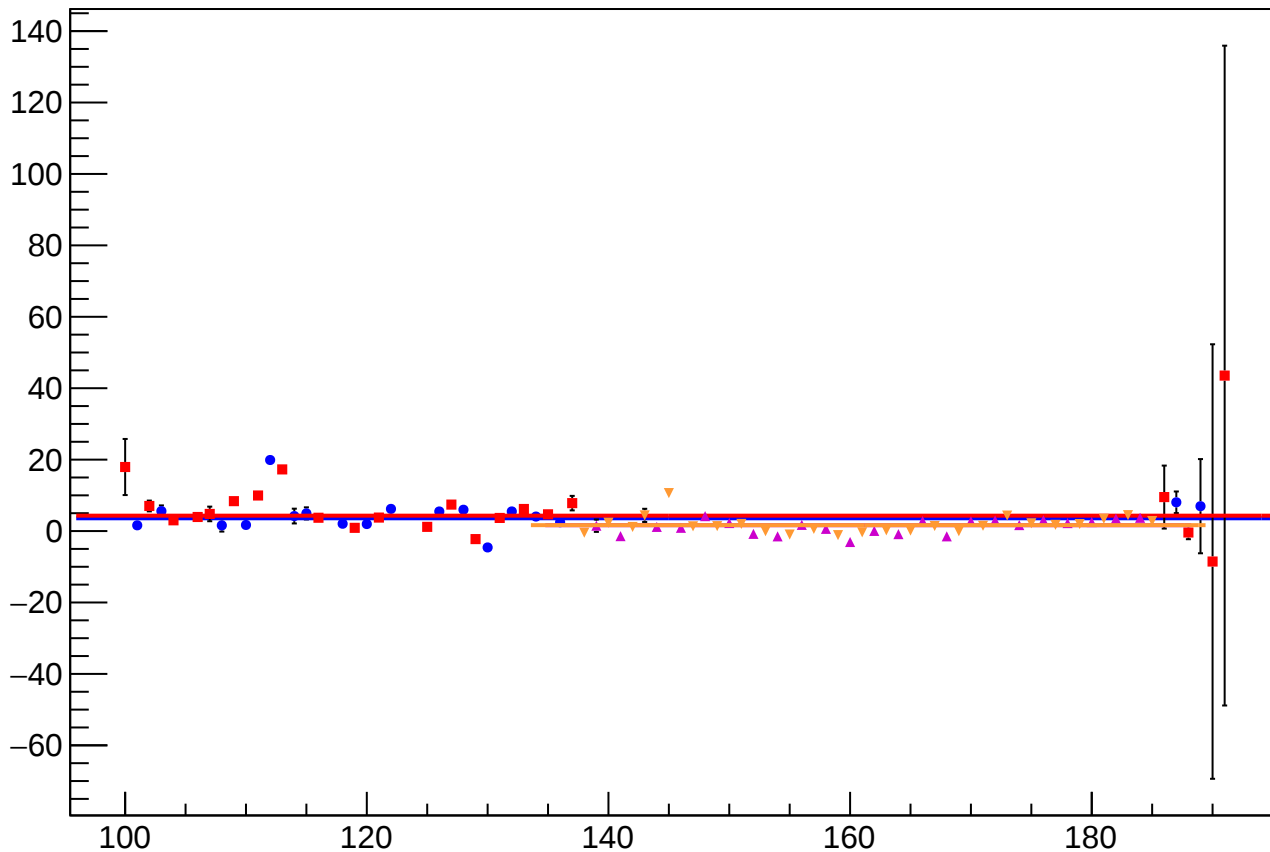
Right: -32.373 ± 0.986 χ^2/NDF : 14.8/5

In: -35.715 ± 0.190 χ^2/NDF : 864.6/24

Out: -36.168 ± 0.189 χ^2/NDF : 1211.6/28

All: -35.944 ± 0.134 χ^2/NDF : 2079.1/53

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.577 $\pm$ 0.220 χ^2 /NDF: 442.2/17

Left Out: 1.652 $\pm$ 0.147 χ^2 /NDF:168.8/24

Right Out: 4.310 $\pm$ 0.224 χ^2 /NDF: 360.1/21

Left In: 1.641 $\pm$ 0.150 χ^2 /NDF:163.2/22

Left: 1.647 $\pm$ 0.105 χ^2 /NDF: 332.0/47

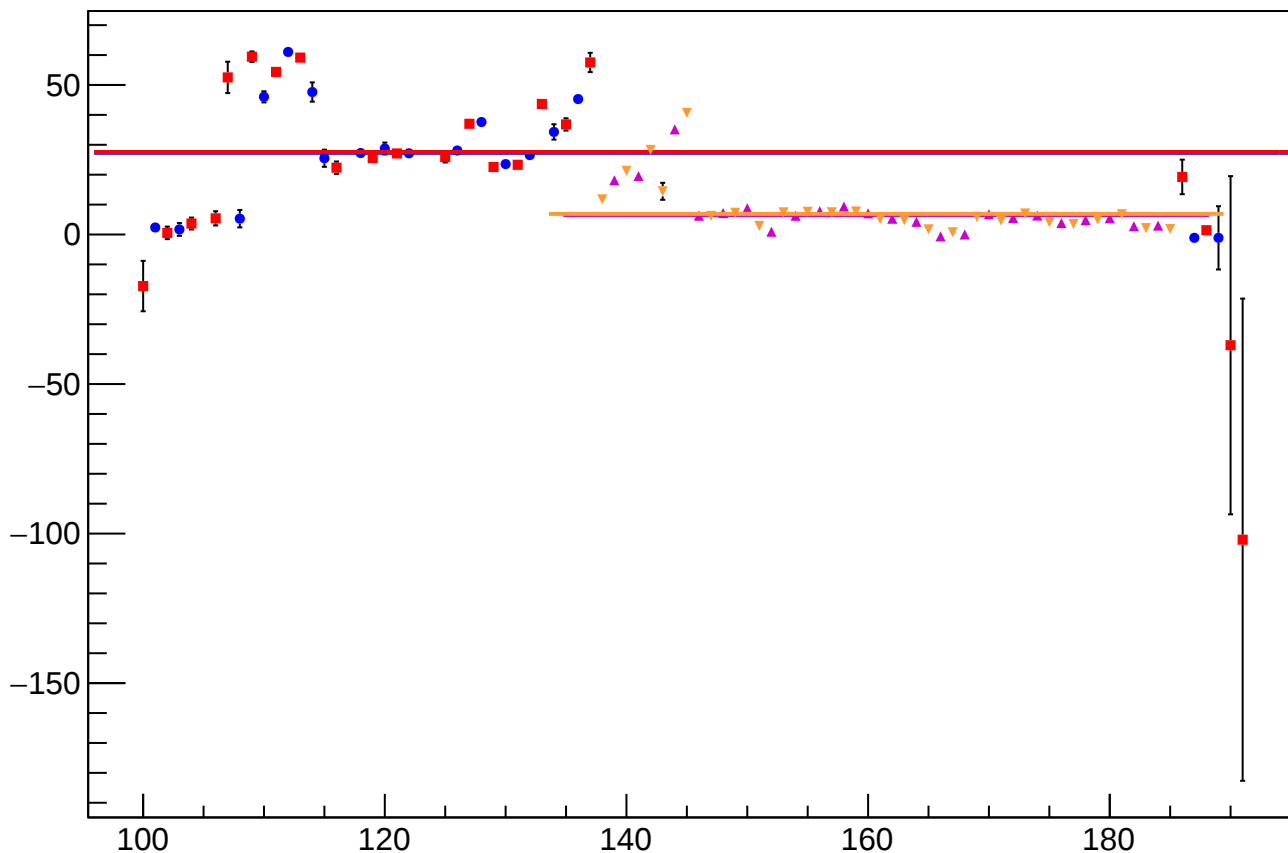
Right: 3.938 $\pm$ 0.157 χ^2 /NDF: 807.7/39

In: 2.252 $\pm$ 0.124 χ^2 /NDF:658.3/40

Out: 2.457 $\pm$ 0.123 χ^2 /NDF:627.5/46

All: 2.355 $\pm$ 0.087 χ^2 /NDF: 1287.1/87

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.331+/-0.405 χ^2/NDF : 1864.1/17

Left Out: 6.900+/-0.191 χ^2/NDF : 1302.8/24

Right Out: 27.583+/-0.386 χ^2/NDF : 2568.8/21

Left In: 6.537+/-0.190 χ^2/NDF : 1025.1/22

Left: 6.718+/-0.135 χ^2/NDF : 2329.7/47

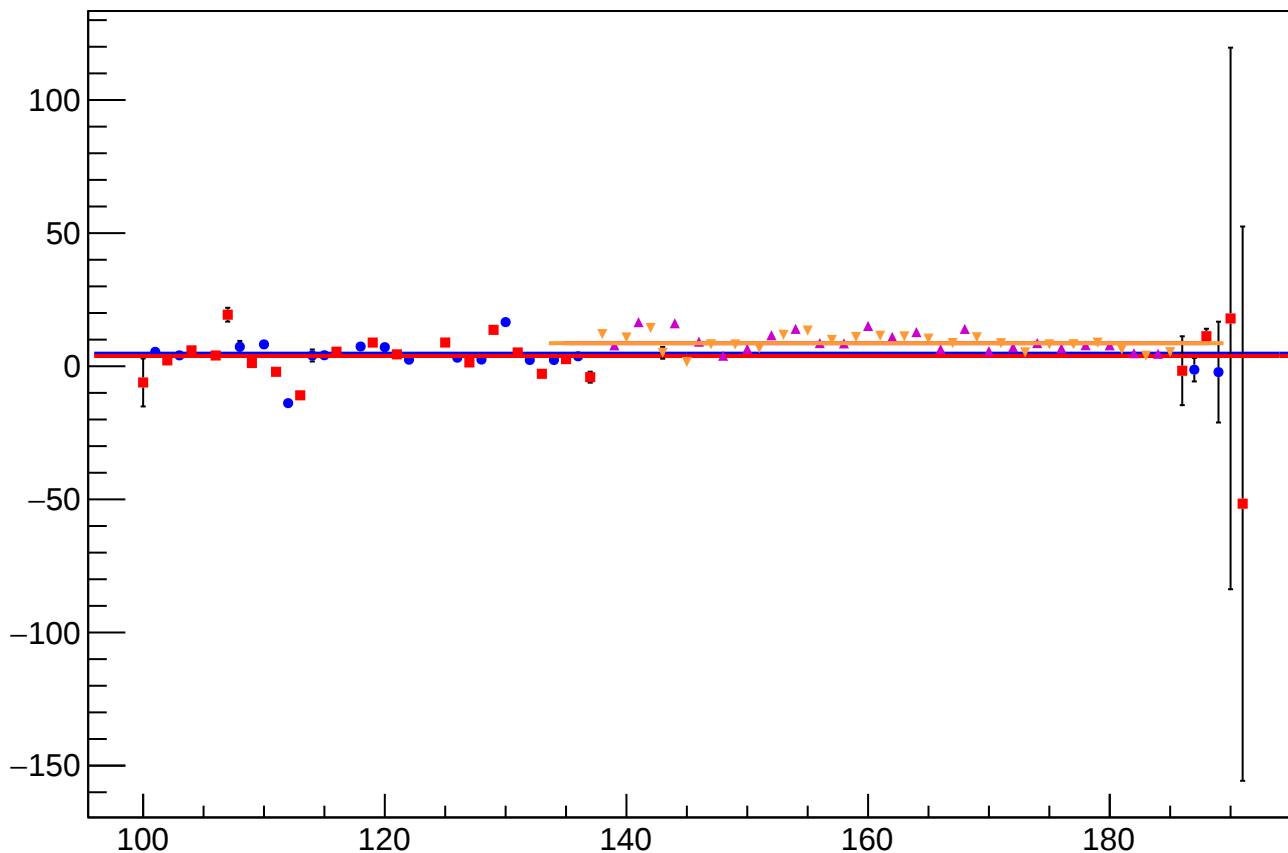
Right: 27.463+/-0.280 χ^2/NDF : 4433.1/39

In: 10.297+/-0.172 χ^2/NDF : 5046.5/40

Out: 10.962+/-0.171 χ^2/NDF : 6175.7/46

All: 10.632+/-0.121 χ^2/NDF : 11229.7/87

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.729+/-0.254 χ^2/NDF : 548.6/17

Left Out: 8.674+/-0.168 χ^2/NDF : 243.7/24

Right Out: 3.850+/-0.258 χ^2/NDF : 572.3/21

Left In: 8.668+/-0.170 χ^2/NDF : 436.7/22

Left: 8.671+/-0.120 χ^2/NDF : 680.4/47

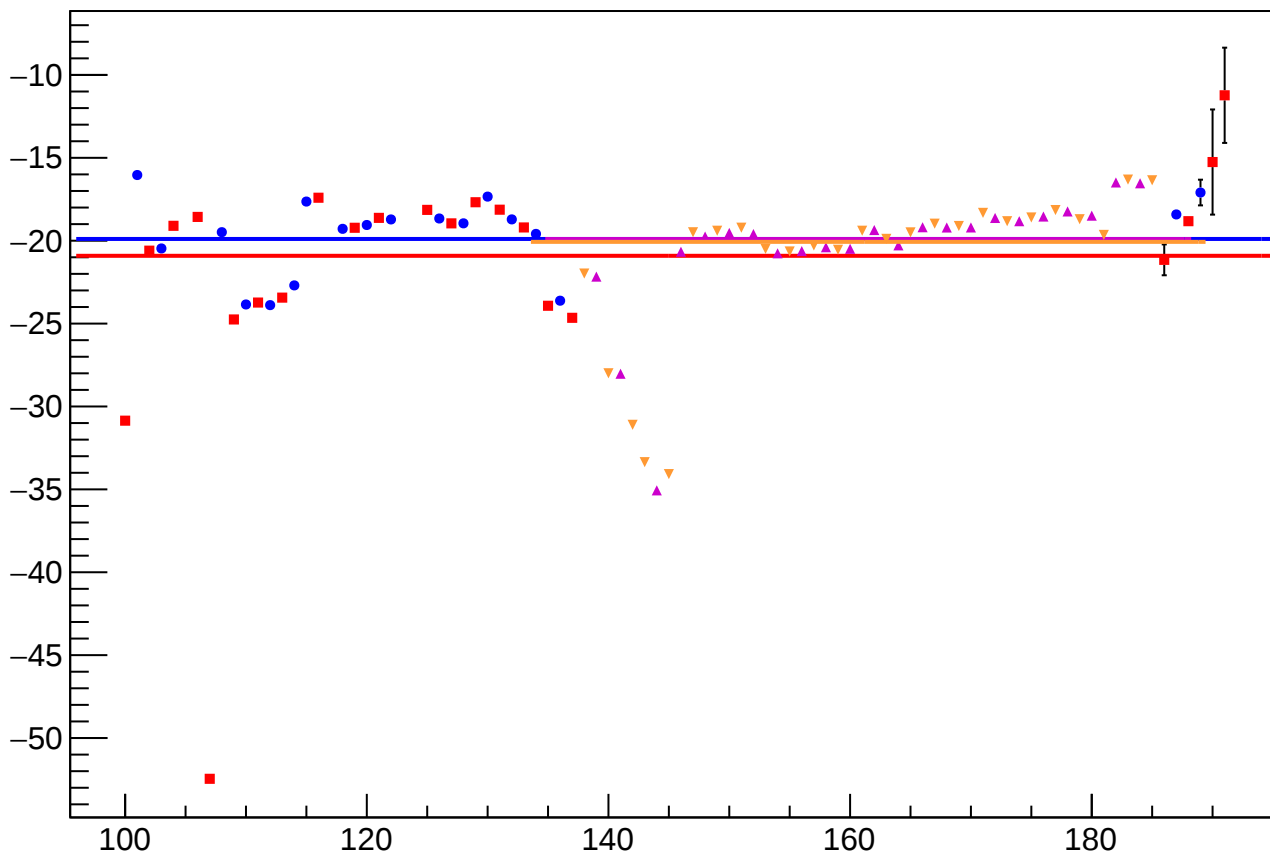
Right: 4.296+/-0.181 χ^2/NDF : 1126.8/39

In: 7.448+/-0.141 χ^2/NDF : 1151.2/40

Out: 7.230+/-0.141 χ^2/NDF : 1061.3/46

All: 7.339+/-0.100 χ^2/NDF : 2213.7/87

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.895 ± 0.016 $\chi^2/\text{NDF}: 26068.2/17$

Left Out: -20.069 ± 0.008 $\chi^2/\text{NDF}: 185373.7/24$

Right Out: -20.911 ± 0.016 $\chi^2/\text{NDF}: 94217.2/21$

Left In: -19.898 ± 0.008 $\chi^2/\text{NDF}: 144191.9/22$

Left: -19.983 ± 0.006 $\chi^2/\text{NDF}: 329802.7/47$

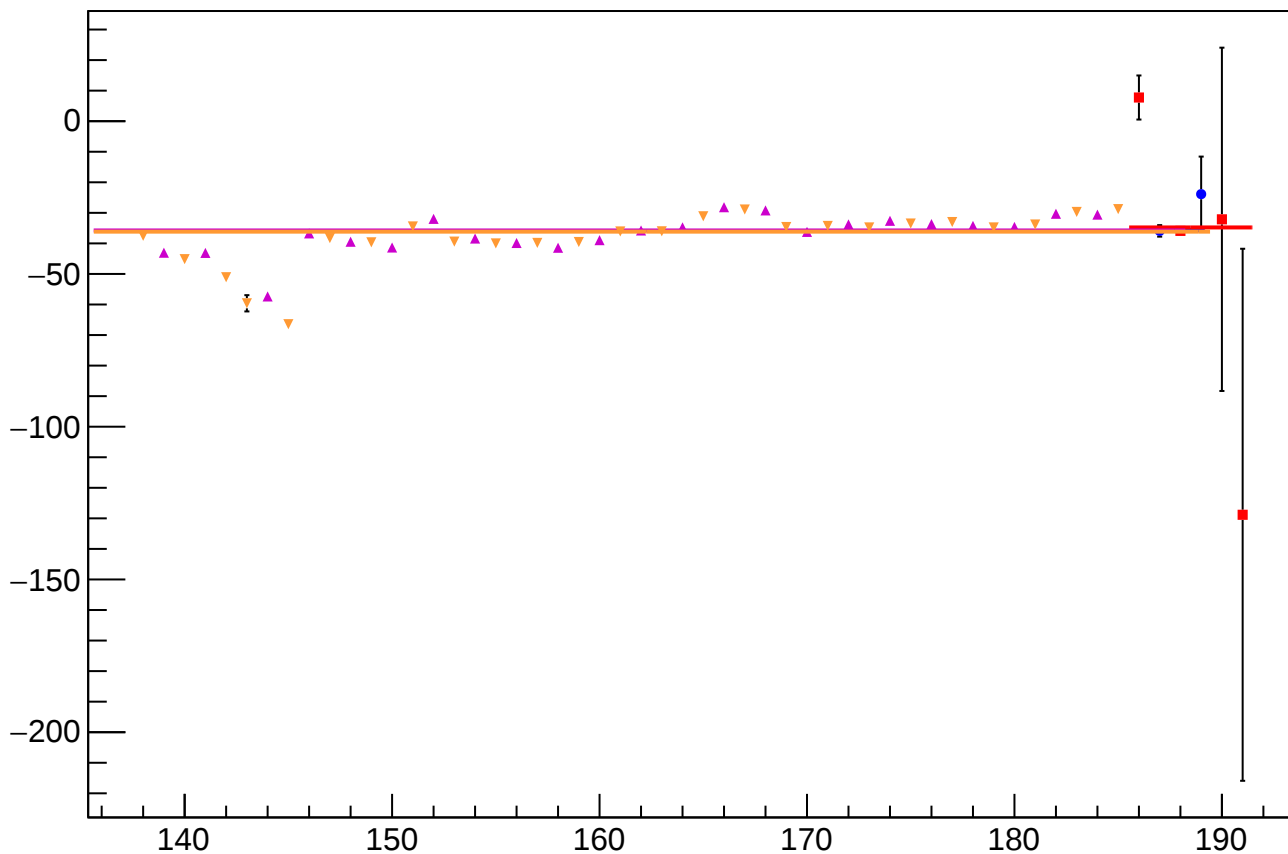
Right: -20.402 ± 0.011 $\chi^2/\text{NDF}: 122395.6/39$

In: -19.897 ± 0.007 $\chi^2/\text{NDF}: 170260.2/40$

Out: -20.239 ± 0.007 $\chi^2/\text{NDF}: 281898.9/46$

All: -20.068 ± 0.005 $\chi^2/\text{NDF}: 453344.5/87$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -35.630 $\pm$ 1.860 χ^2 /NDF: 0.9/1

Left Out: -36.152 $\pm$ 0.191 χ^2 /NDF:1199.2/24

Right Out: -34.778 $\pm$ 1.167 χ^2 /NDF: 36.9/3

Left In: -35.766 $\pm$ 0.191 χ^2 /NDF:842.6/22

Left: -35.959 $\pm$ 0.135 χ^2 /NDF: 2043.8/47

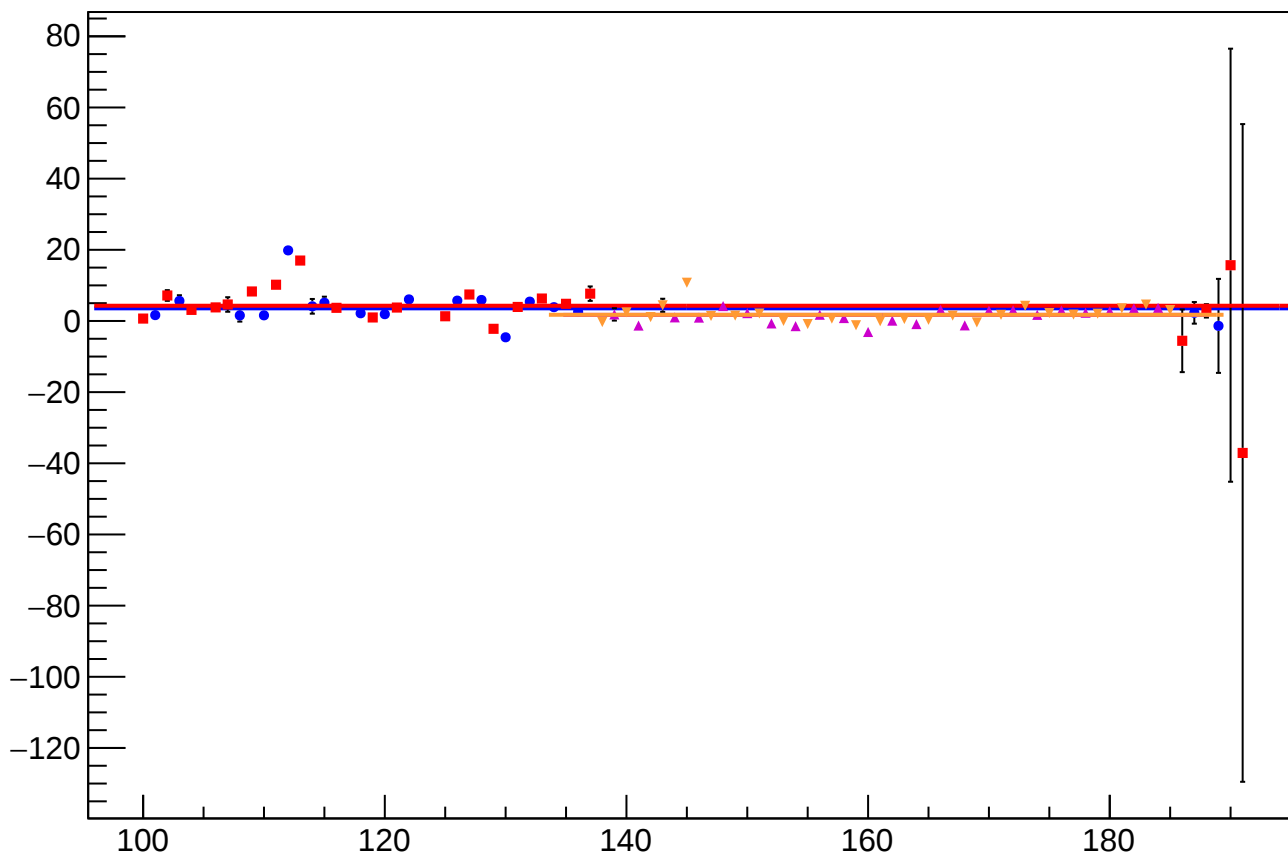
Right: -35.019 $\pm$ 0.989 χ^2 /NDF: 37.9/5

In: -35.765 $\pm$ 0.190 χ^2 /NDF:843.5/24

Out: -36.116 $\pm$ 0.189 χ^2 /NDF:1237.4/28

All: -35.942 $\pm$ 0.134 χ^2 /NDF: 2082.7/53

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.551+/-0.220 χ^2/NDF : 437.4/17

Left Out: 1.741+/-0.147 χ^2/NDF :170.2/24

Right Out: 4.281+/-0.220 χ^2/NDF : 354.2/21

Left In: 1.705+/-0.149 χ^2/NDF :163.0/22

Left: 1.723+/-0.105 χ^2/NDF : 333.2/47

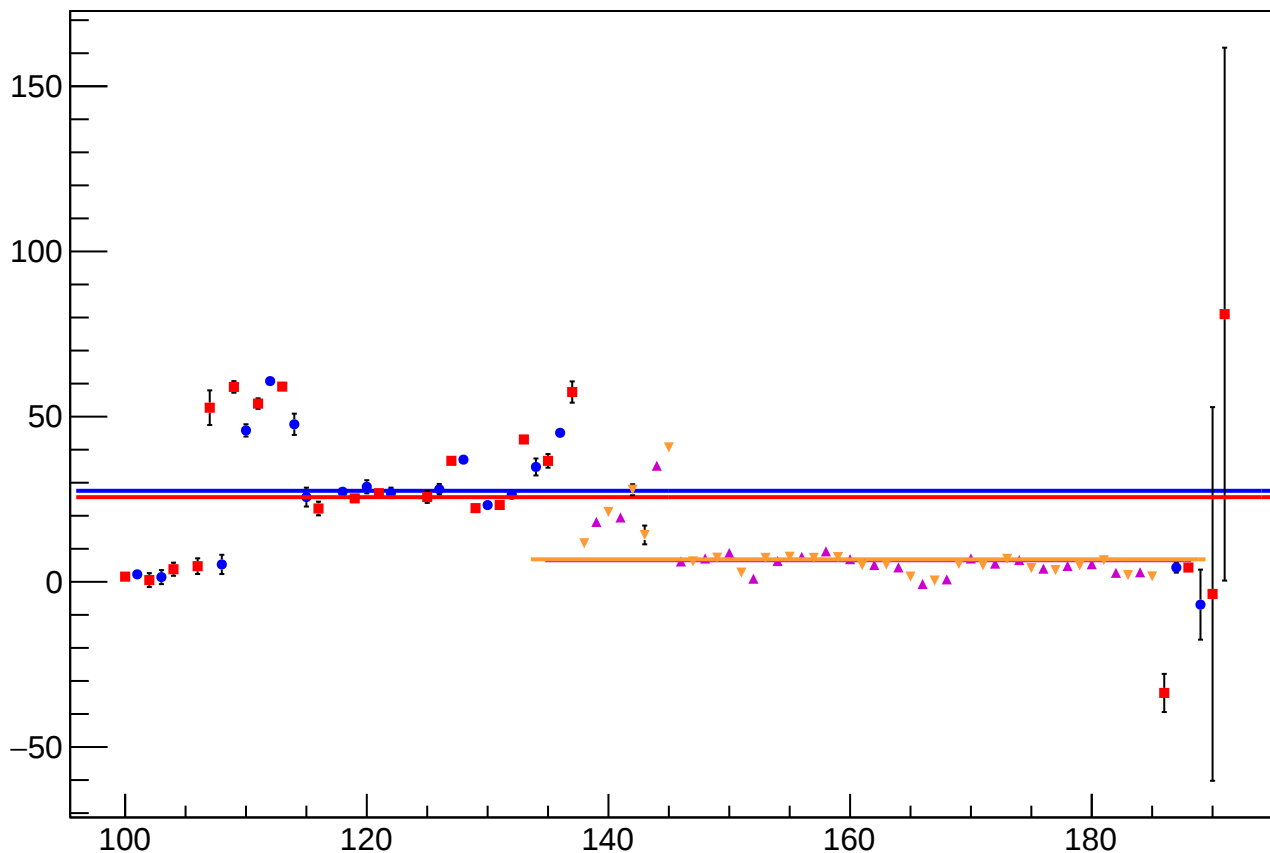
Right: 3.916+/-0.155 χ^2/NDF : 797.1/39

In: 2.288+/-0.124 χ^2/NDF :648.6/40

Out: 2.527+/-0.122 χ^2/NDF :616.7/46

All: 2.409+/-0.087 χ^2/NDF : 1267.2/87

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.552 ± 0.405 $\chi^2/\text{NDF}: 1737.2/17$

Left Out: 6.813 ± 0.191 $\chi^2/\text{NDF}: 1304.5/24$

Right Out: 25.623 ± 0.371 $\chi^2/\text{NDF}: 2833.1/21$

Left In: 6.532 ± 0.190 $\chi^2/\text{NDF}: 1018.2/22$

Left: 6.672 ± 0.135 $\chi^2/\text{NDF}: 2323.7/47$

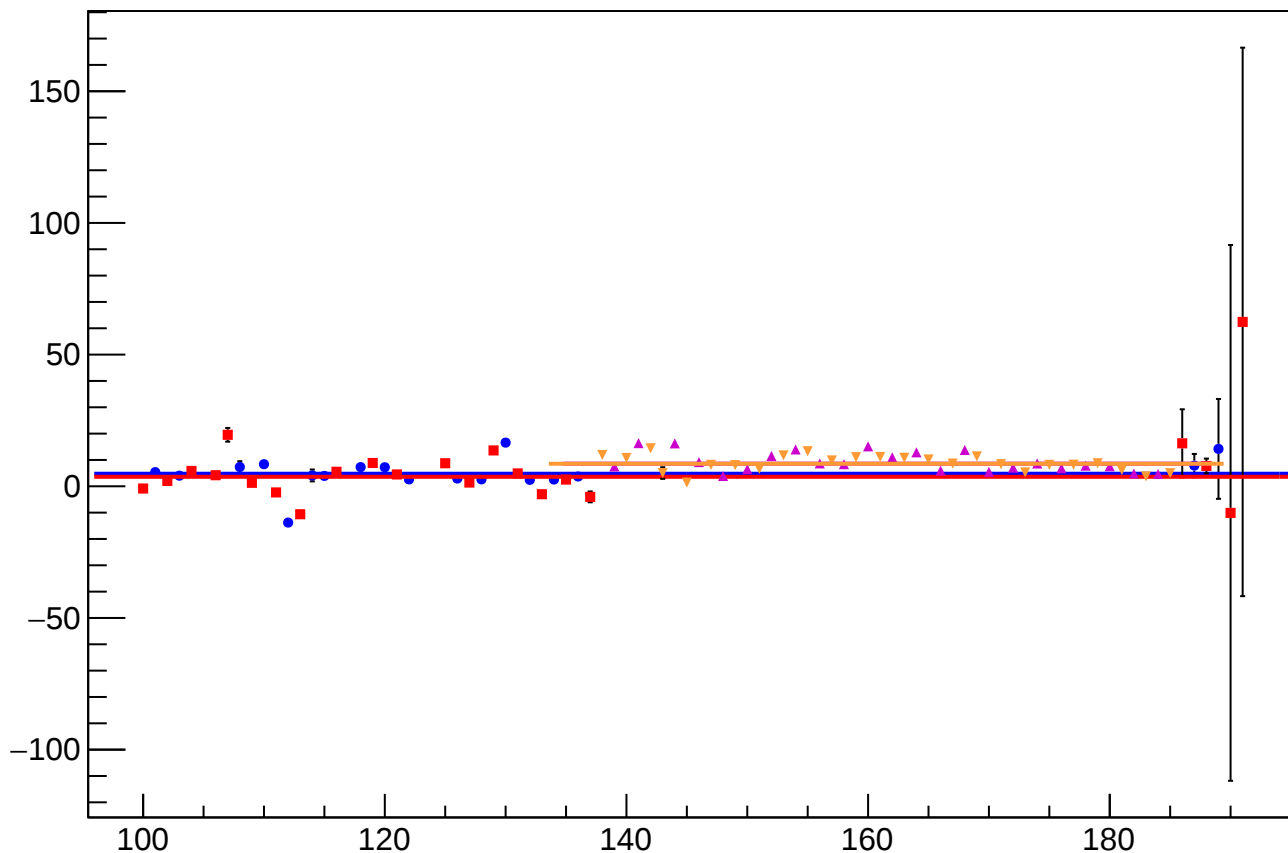
Right: 26.502 ± 0.273 $\chi^2/\text{NDF}: 4582.7/39$

In: 10.332 ± 0.172 $\chi^2/\text{NDF}: 4961.6/40$

Out: 10.754 ± 0.170 $\chi^2/\text{NDF}: 6173.0/46$

All: 10.546 ± 0.121 $\chi^2/\text{NDF}: 11137.6/87$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.761+/-0.254 χ^2/NDF : 543.8/17

Left Out: 8.565+/-0.168 χ^2/NDF :248.1/24

Right Out: 3.612+/-0.253 χ^2/NDF : 573.8/21

Left In: 8.585+/-0.170 χ^2/NDF :441.8/22

Left: 8.575+/-0.120 χ^2/NDF : 689.9/47

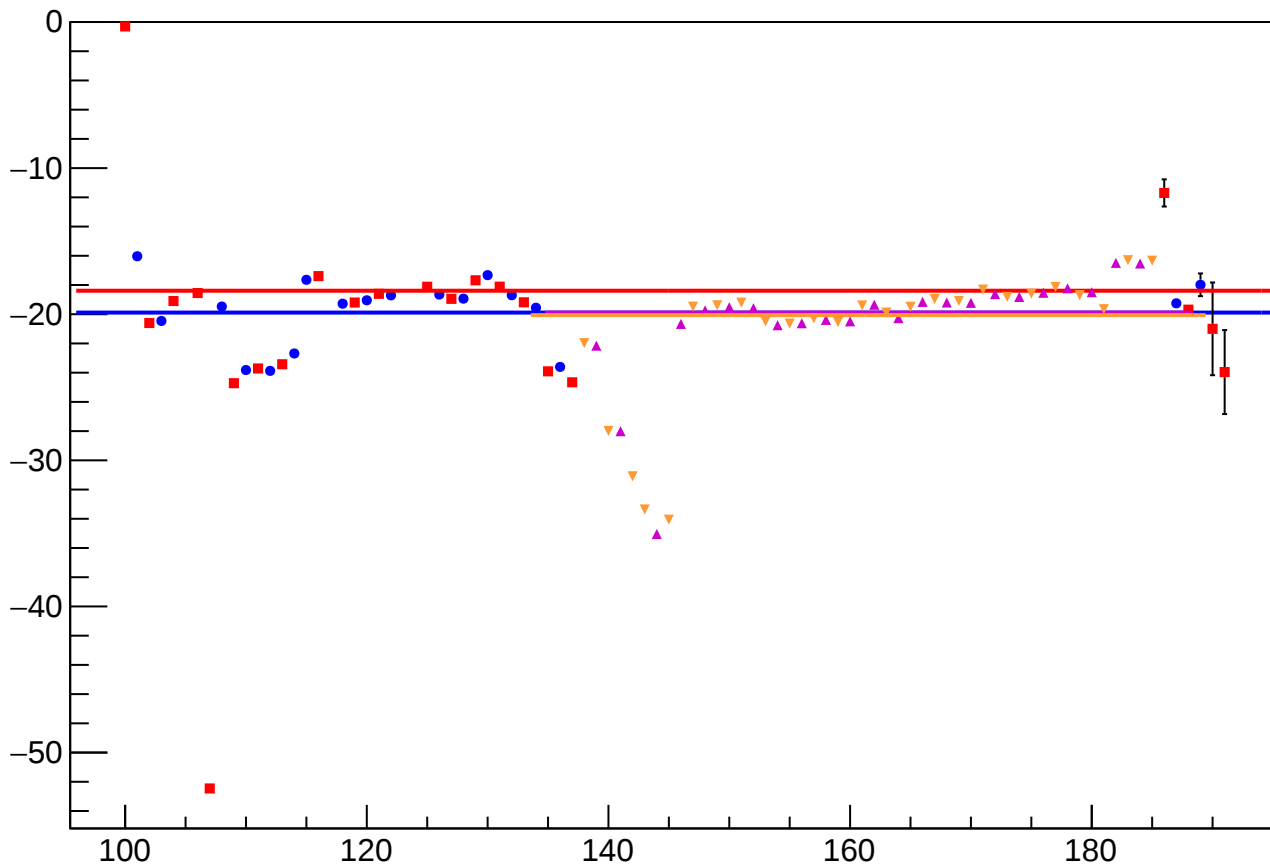
Right: 4.186+/-0.179 χ^2/NDF : 1127.9/39

In: 7.401+/-0.141 χ^2/NDF :1142.2/40

Out: 7.048+/-0.140 χ^2/NDF :1086.7/46

All: 7.223+/-0.100 χ^2/NDF : 2232.0/87

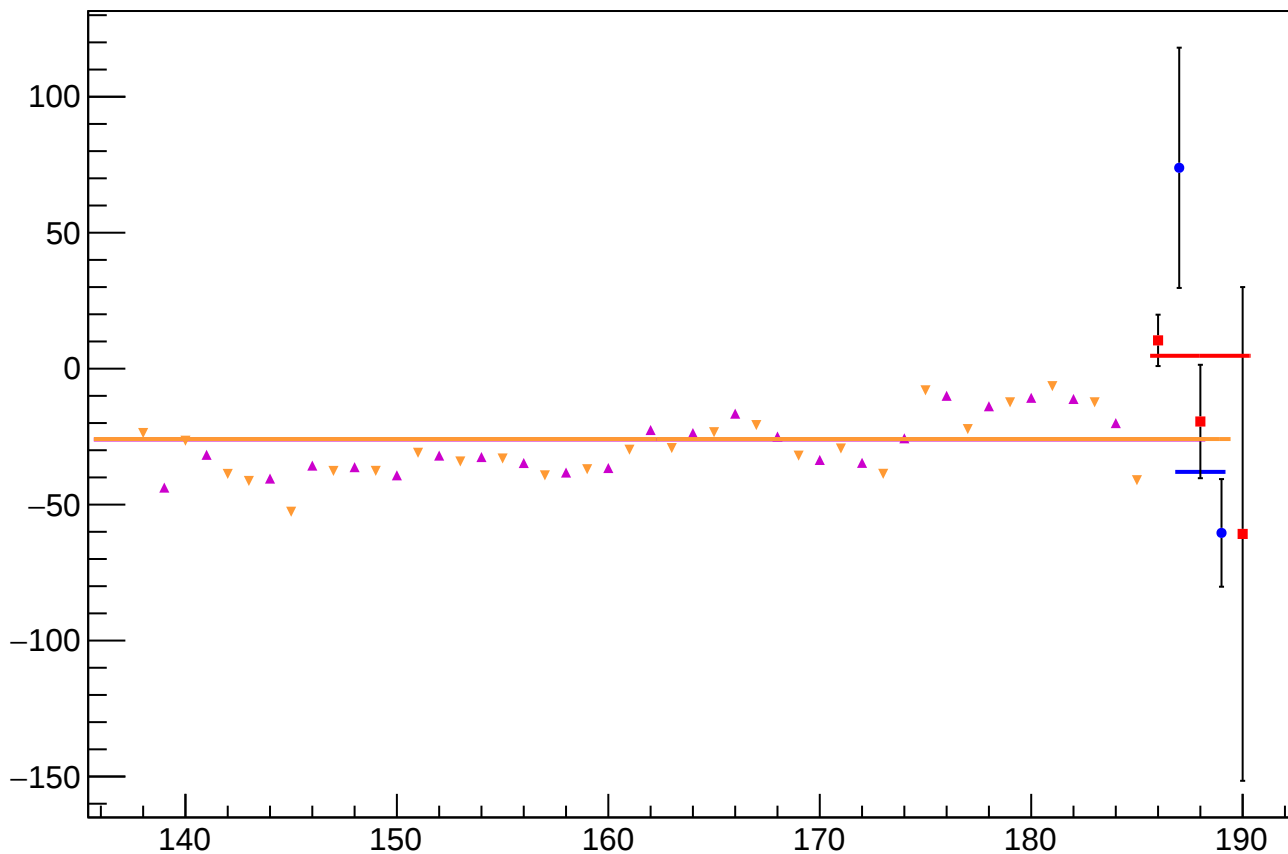
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.886 ± 0.016 $\chi^2/\text{NDF}: 26021.4/17$
 Left Out: -20.061 ± 0.008 $\chi^2/\text{NDF}: 185580.2/24$
 Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301147.5/21$
 Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

Left: -19.976 ± 0.006 $\chi^2/\text{NDF}: 329872.6/47$
 Right: -19.092 ± 0.011 $\chi^2/\text{NDF}: 332035.5/39$
 In: -19.890 ± 0.007 $\chi^2/\text{NDF}: 170076.7/40$
 Out: -19.689 ± 0.007 $\chi^2/\text{NDF}: 496784.9/46$
 All: -19.788 ± 0.005 $\chi^2/\text{NDF}: 667276.9/87$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -37.963+/-18.063 χ^2/NDF : 7.7/1

Left Out: -25.884+/-0.192 χ^2/NDF : 4158.0/24

Right Out: 4.735+/-8.567 χ^2/NDF : 2.2/2

Left In: -26.052+/-0.195 χ^2/NDF : 3279.5/22

Left: -25.967+/-0.137 χ^2/NDF : 7437.8/47

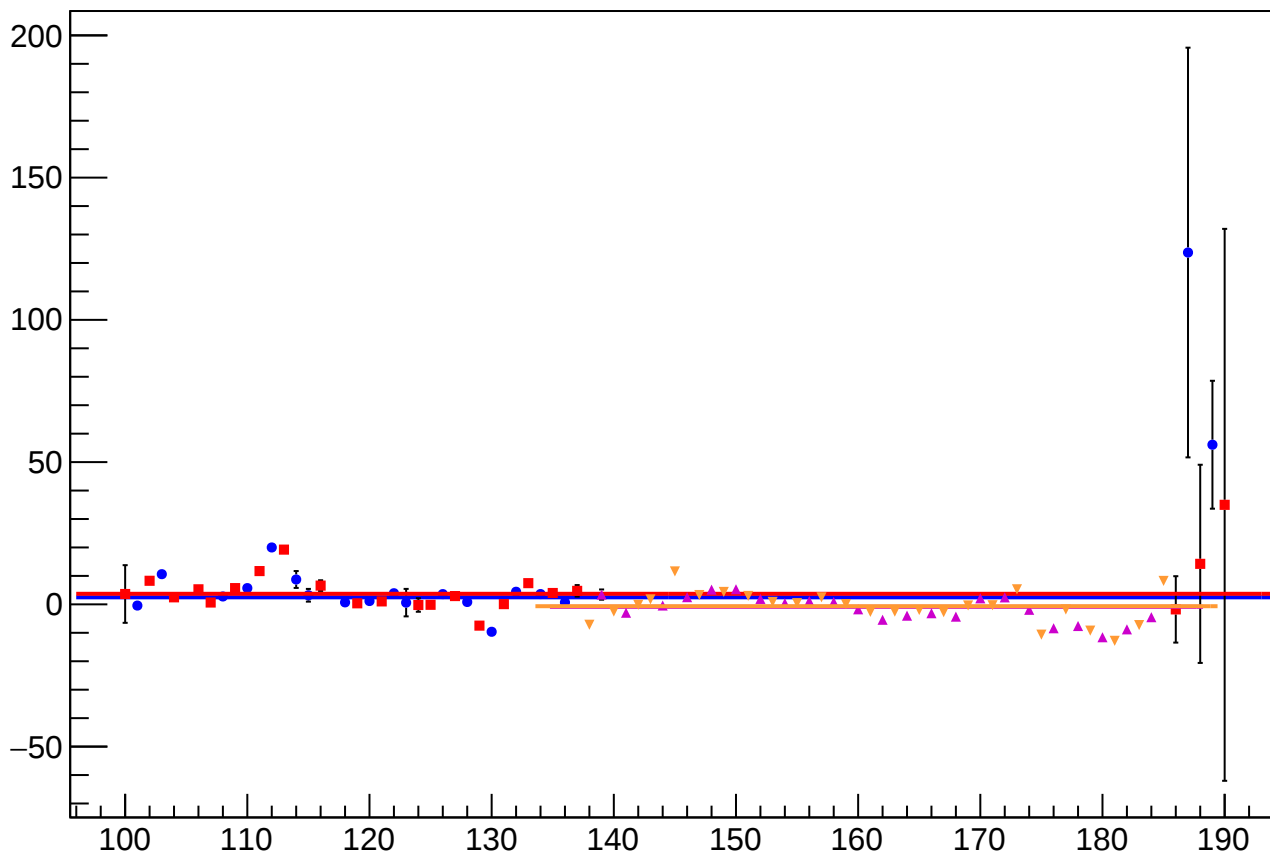
Right: -3.106+/-7.740 χ^2/NDF : 14.5/4

In: -26.053+/-0.195 χ^2/NDF : 3287.6/24

Out: -25.869+/-0.192 χ^2/NDF : 4173.0/27

All: -25.960+/-0.137 χ^2/NDF : 7461.0/52

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.467 ± 0.315 χ^2/NDF : 302.8/18

Left Out: -0.654 ± 0.146 χ^2/NDF : 1320.8/24

Right Out: 3.710 ± 0.327 χ^2/NDF : 269.5/21

Left In: -0.863 ± 0.150 χ^2/NDF : 1066.5/22

Left: -0.756 ± 0.105 χ^2/NDF : 2388.3/47

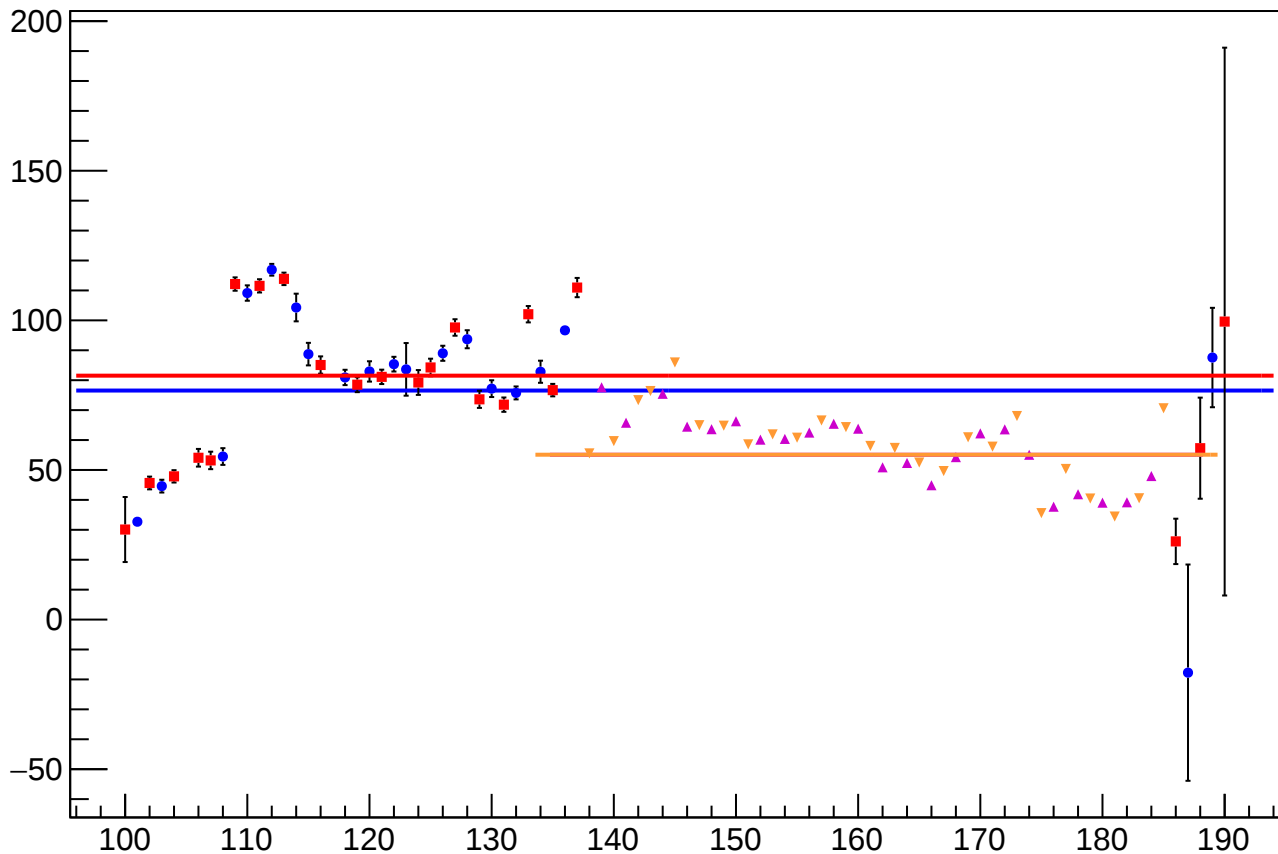
Right: 3.066 ± 0.227 χ^2/NDF : 579.9/40

In: -0.244 ± 0.136 χ^2/NDF : 1460.5/41

Out: 0.074 ± 0.133 χ^2/NDF : 1739.1/46

All: -0.082 ± 0.095 χ^2/NDF : 3202.4/88

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.544 $\pm$ 0.576 χ^2 /NDF: 2260.0/18

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.518 $\pm$ 0.591 χ^2 /NDF: 1626.6/21

Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

Left: 55.084 $\pm$ 0.136 χ^2 /NDF: 8282.1/47

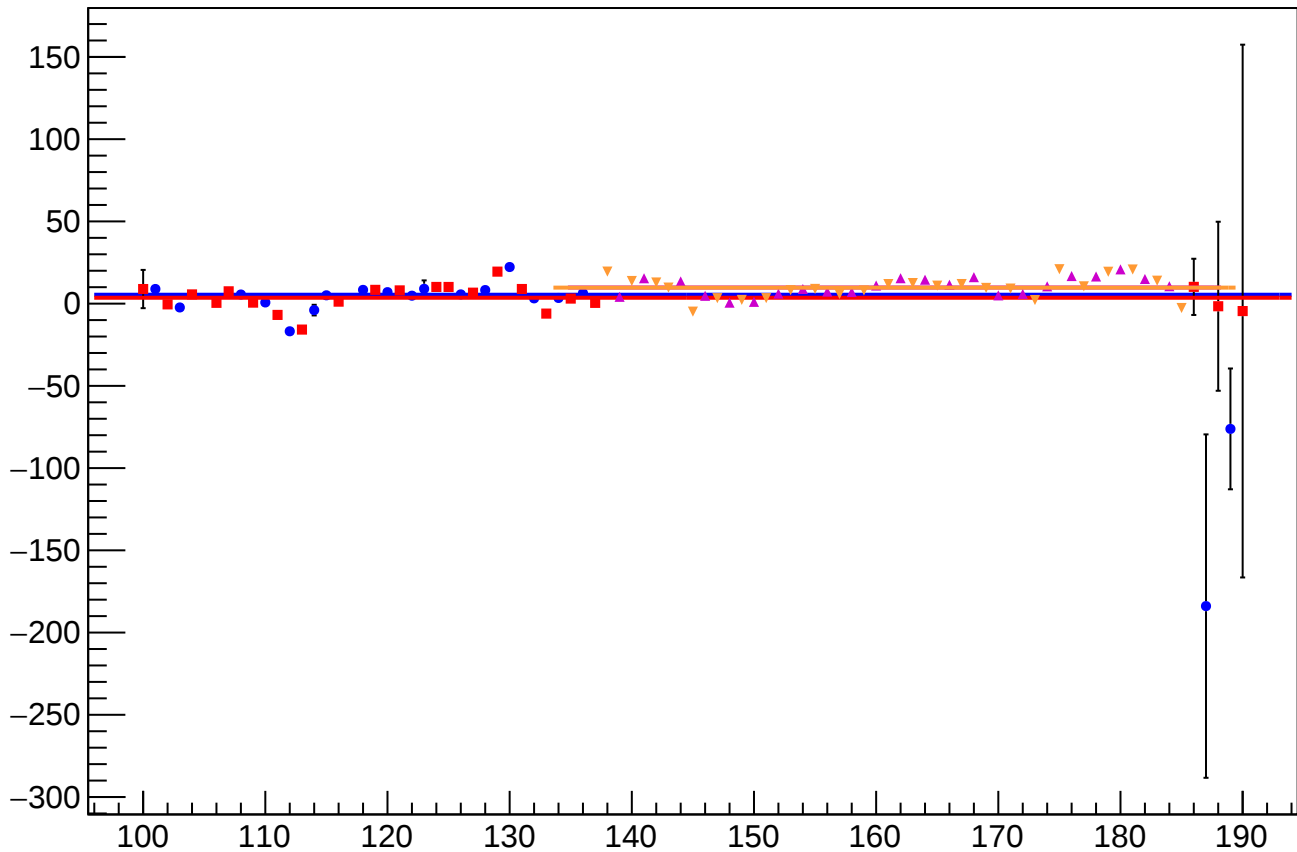
Right: 78.970 $\pm$ 0.413 χ^2 /NDF: 3923.0/40

In: 57.244 $\pm$ 0.183 χ^2 /NDF: 7209.8/41

Out: 57.610 $\pm$ 0.182 χ^2 /NDF: 8016.2/46

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15228.1/88

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.418 $\pm$ 0.361 χ^2 /NDF: 393.9/18

Left Out: 9.737 $\pm$ 0.168 χ^2 /NDF:1450.2/24

Right Out: 3.585 $\pm$ 0.375 χ^2 /NDF: 421.8/21

Left In: 9.803 $\pm$ 0.172 χ^2 /NDF:1158.7/22

Left: 9.769 $\pm$ 0.120 χ^2 /NDF: 2609.0/47

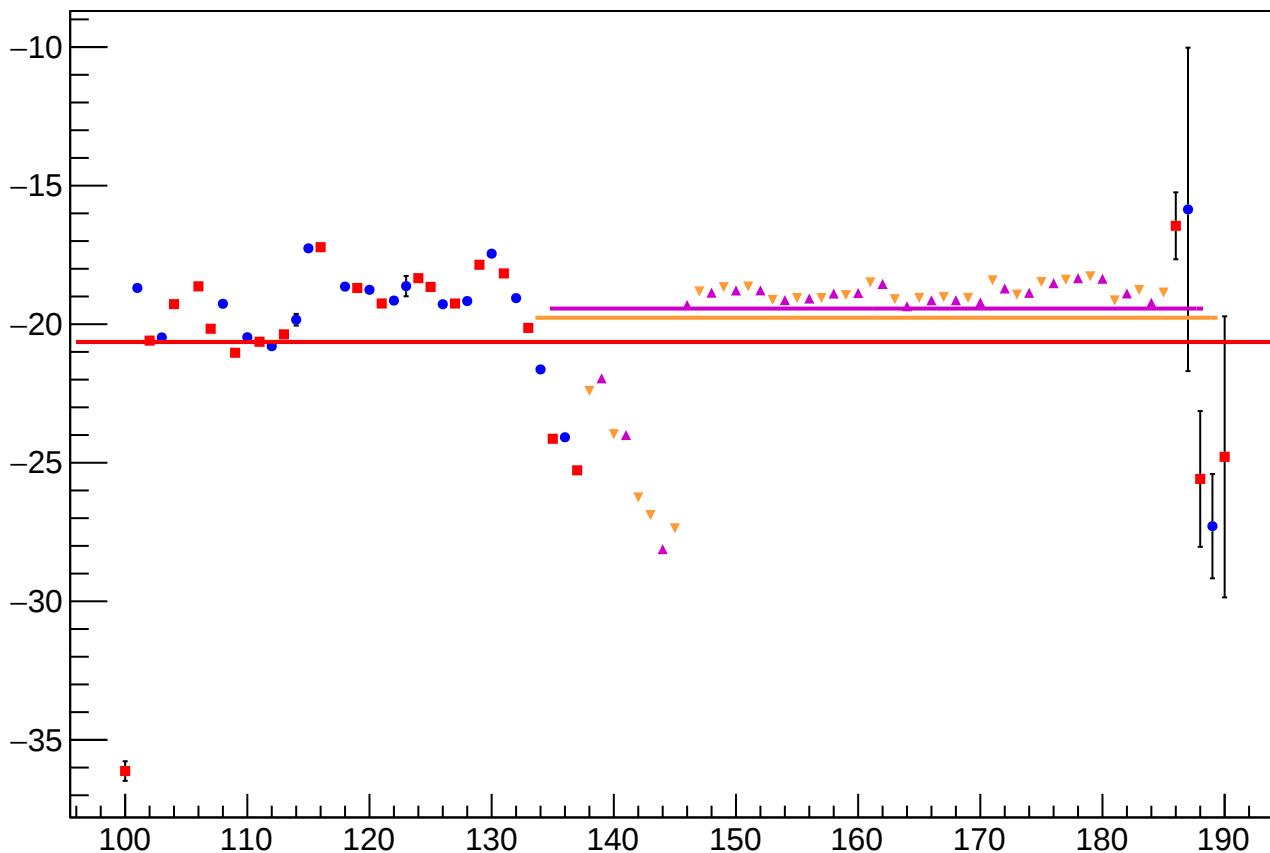
Right: 4.538 $\pm$ 0.260 χ^2 /NDF: 828.0/40

In: 8.994 $\pm$ 0.155 χ^2 /NDF:1673.1/41

Out: 8.713 $\pm$ 0.153 χ^2 /NDF:2095.8/46

All: 8.852 $\pm$ 0.109 χ^2 /NDF: 3770.5/88

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.645 $\pm$ 0.019 χ^2 /NDF: 12437.3/18

Left Out: -19.767 $\pm$ 0.008 χ^2 /NDF: 91617.3/24

Right Out: -20.639 $\pm$ 0.019 χ^2 /NDF: 13802.7/21

Left In: -19.435 $\pm$ 0.008 χ^2 /NDF: 53170.9/22

Left: -19.603 $\pm$ 0.006 χ^2 /NDF: 145665.0/47

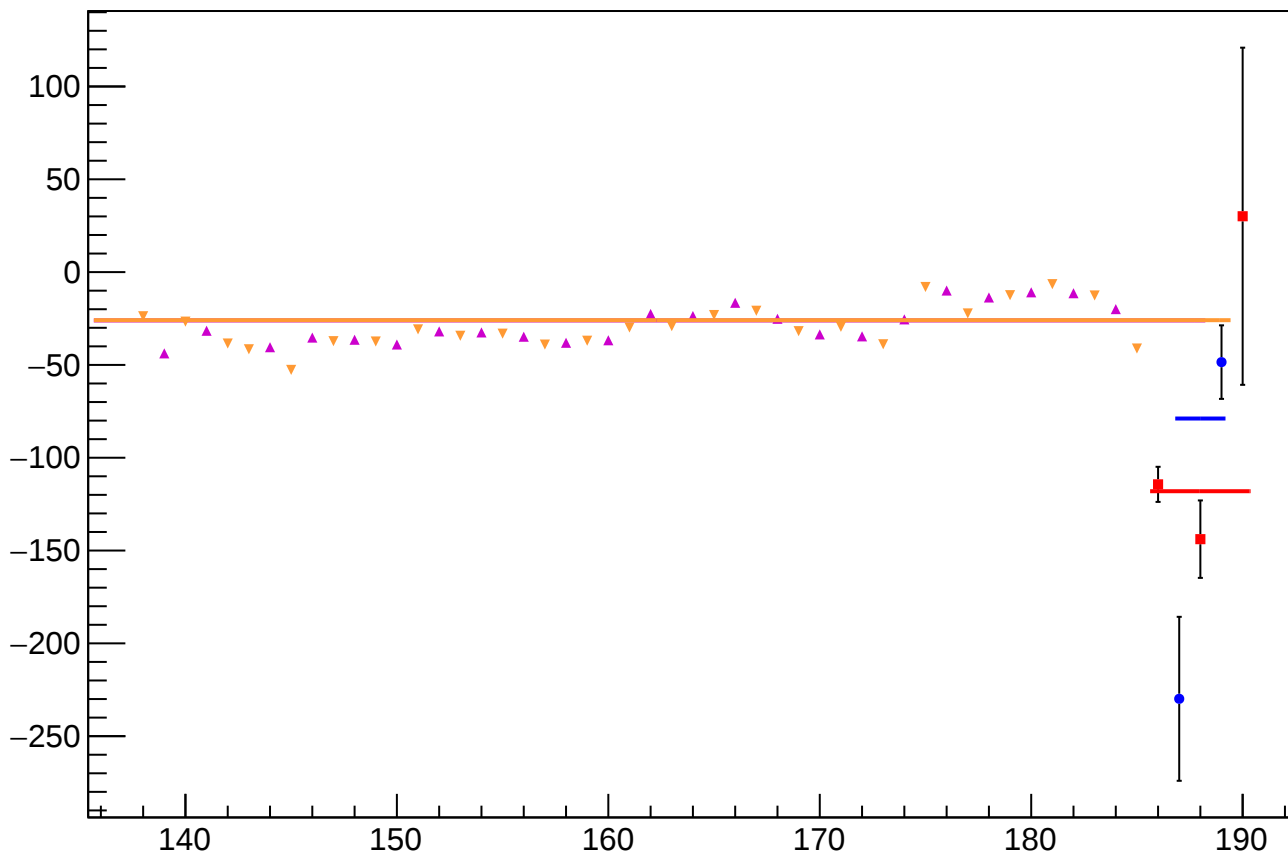
Right: -20.642 $\pm$ 0.014 χ^2 /NDF: 26240.0/40

In: -19.610 $\pm$ 0.007 χ^2 /NDF: 68948.6/41

Out: -19.890 $\pm$ 0.007 χ^2 /NDF: 107144.2/46

All: -19.751 $\pm$ 0.005 χ^2 /NDF: 176821.3/88

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -78.877 ± 18.079 χ^2/NDF : 14.0/1

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -118.038 ± 8.573 χ^2/NDF : 4.3/2

Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

Left: -25.971 ± 0.137 χ^2/NDF : 7374.6/47

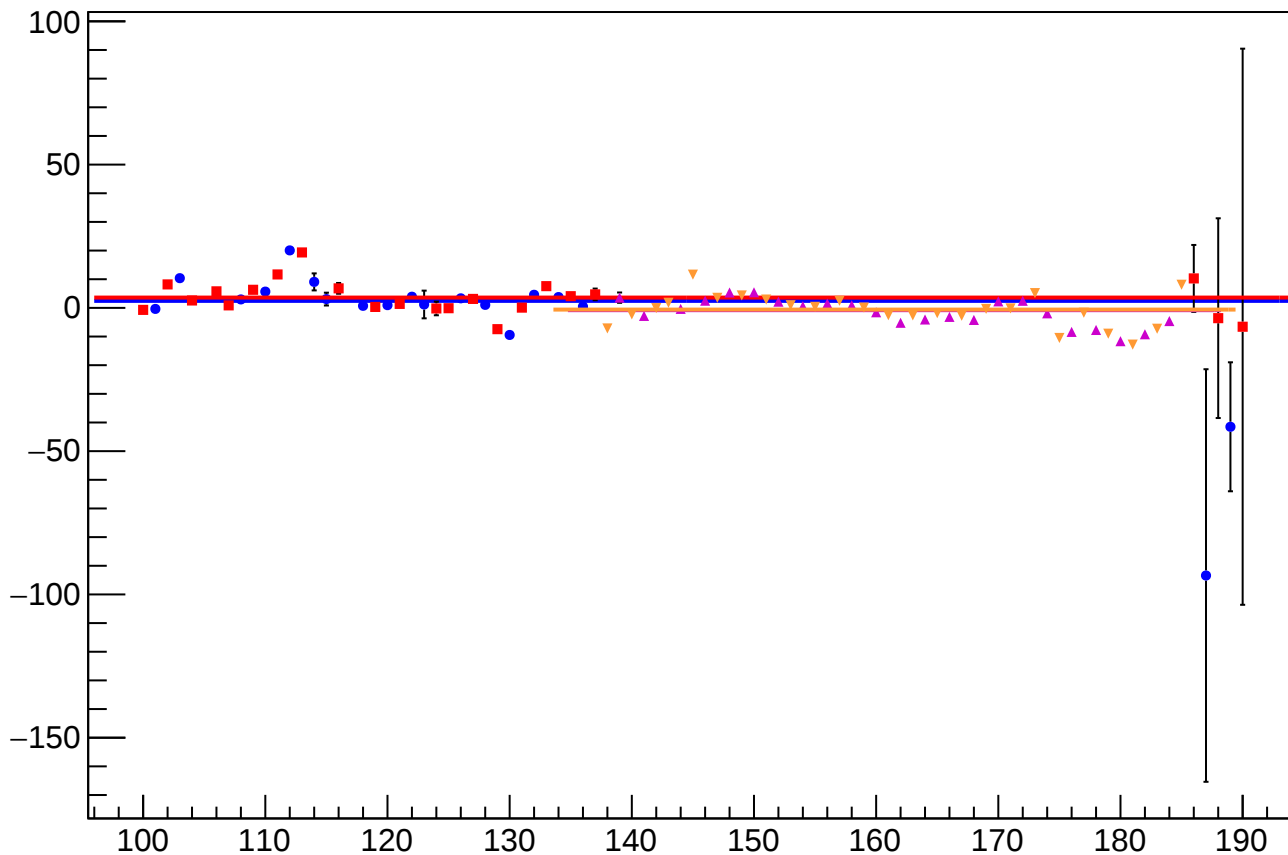
Right: -110.849 ± 7.746 χ^2/NDF : 22.2/4

In: -26.052 ± 0.195 χ^2/NDF : 3269.3/24

Out: -25.945 ± 0.192 χ^2/NDF : 4247.4/27

All: -25.998 ± 0.137 χ^2/NDF : 7516.8/52

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.445 $\pm$ 0.315 χ^2 /NDF: 297.9/18

Left Out: -0.596 $\pm$ 0.146 χ^2 /NDF:1310.7/24

Right Out: 3.596 $\pm$ 0.318 χ^2 /NDF: 280.4/21

Left In: -0.795 $\pm$ 0.151 χ^2 /NDF:1106.3/22

Left: -0.693 $\pm$ 0.105 χ^2 /NDF: 2417.9/47

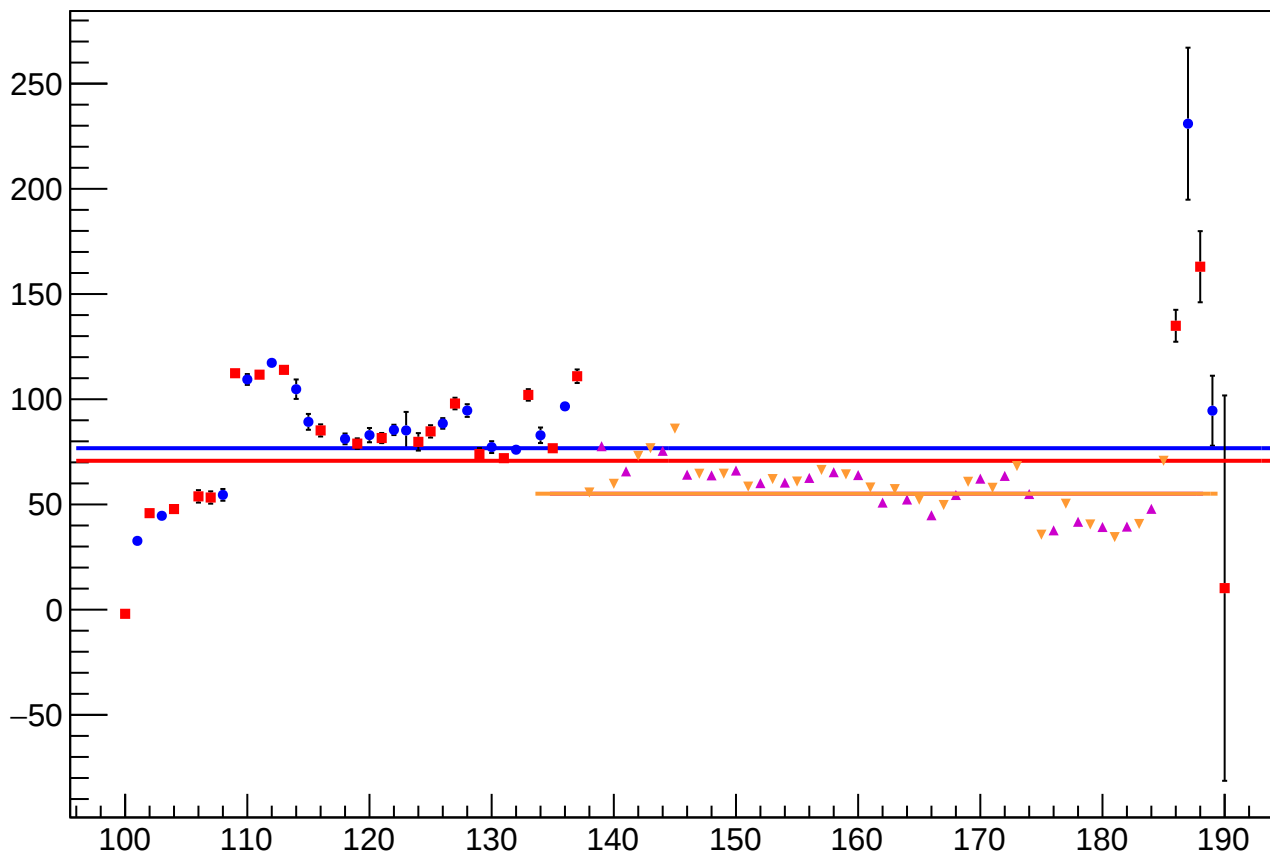
Right: 3.015 $\pm$ 0.224 χ^2 /NDF: 584.9/40

In: -0.192 $\pm$ 0.136 χ^2 /NDF:1490.3/41

Out: 0.136 $\pm$ 0.133 χ^2 /NDF:1734.6/46

All: -0.024 $\pm$ 0.095 χ^2 /NDF: 3227.9/88

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.735 $\pm$ 0.577 χ^2/NDF : 2284.2/18

Left Out: 55.111 $\pm$ 0.192 χ^2/NDF : 4560.2/24

Right Out: 70.749 $\pm$ 0.549 χ^2/NDF : 4489.6/21

Left In: 55.094 $\pm$ 0.194 χ^2/NDF : 3664.6/22

Left: 55.103 $\pm$ 0.136 χ^2/NDF : 8224.8/47

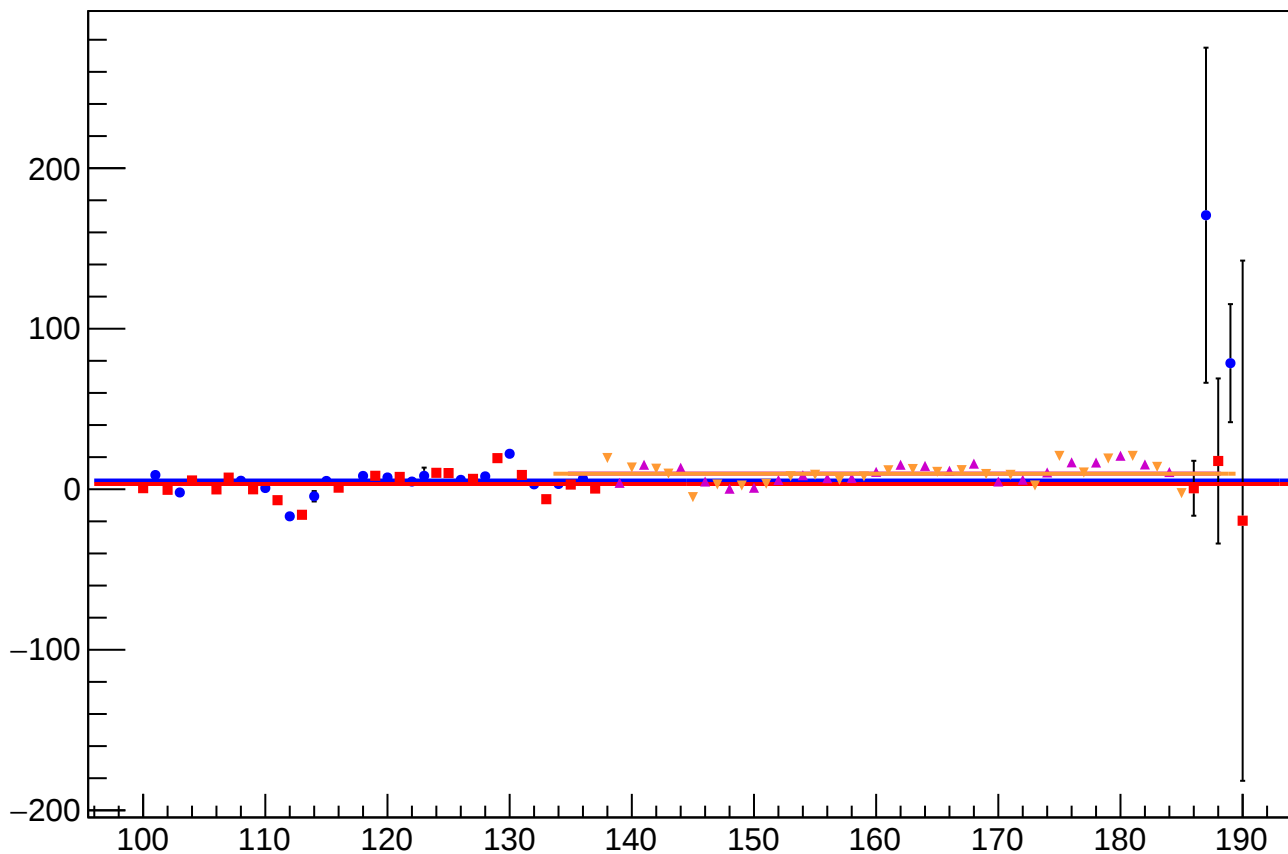
Right: 73.593 $\pm$ 0.398 χ^2/NDF : 6830.3/40

In: 57.285 $\pm$ 0.184 χ^2/NDF : 7214.0/41

Out: 56.810 $\pm$ 0.181 χ^2/NDF : 9773.6/46

All: 57.044 $\pm$ 0.129 χ^2/NDF : 16991.0/88

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.437 ± 0.361 χ^2/NDF : 390.7/18

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.279 ± 0.366 χ^2/NDF : 425.2/21

Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

Left: 9.706 ± 0.120 χ^2/NDF : 2632.6/47

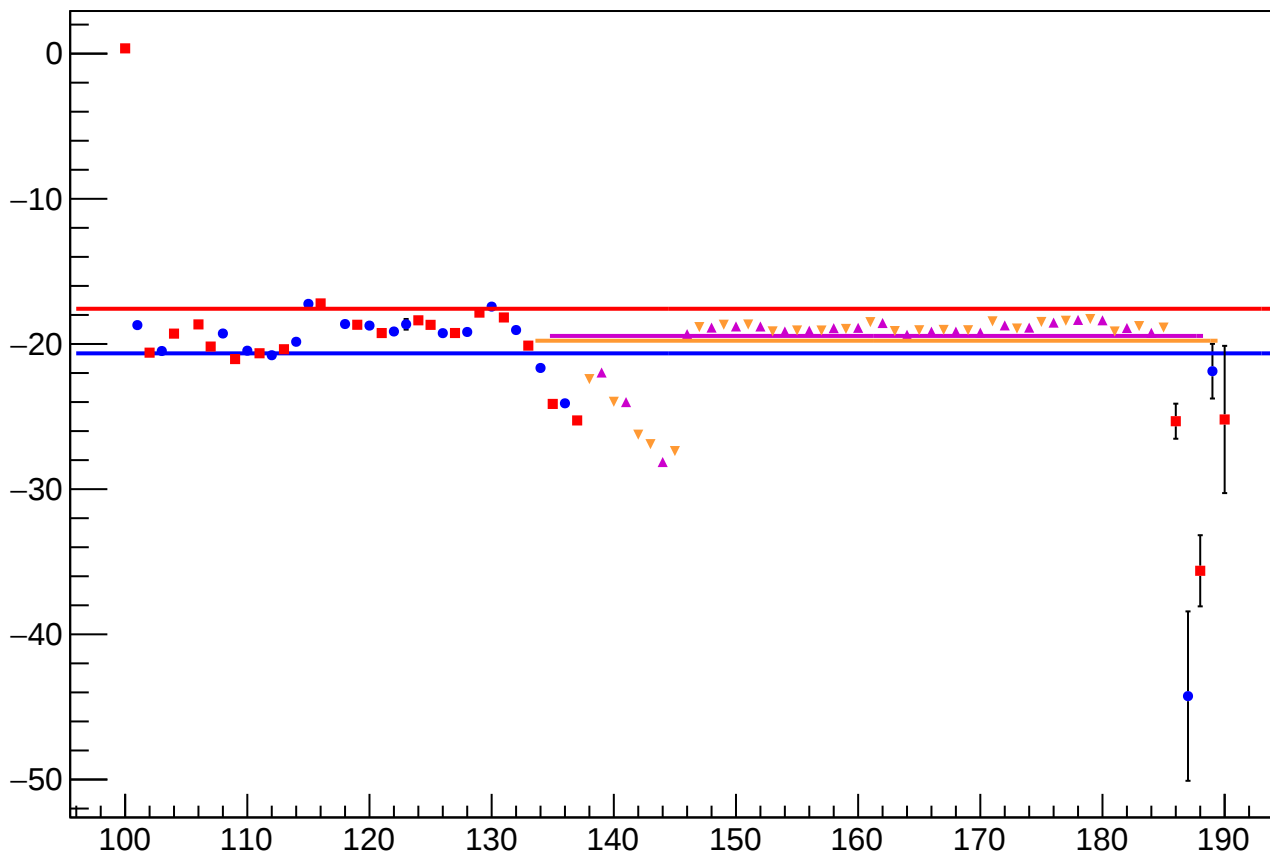
Right: 4.371 ± 0.257 χ^2/NDF : 833.5/40

In: 8.944 ± 0.155 χ^2/NDF : 1697.5/41

Out: 8.562 ± 0.153 χ^2/NDF : 2119.4/46

All: 8.750 ± 0.109 χ^2/NDF : 3820.0/88

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.645 ± 0.019 $\chi^2/\text{NDF}: 12479.5/18$

Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91510.1/24$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178415.7/21$

Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

Left: -19.611 ± 0.006 $\chi^2/\text{NDF}: 145502.5/47$

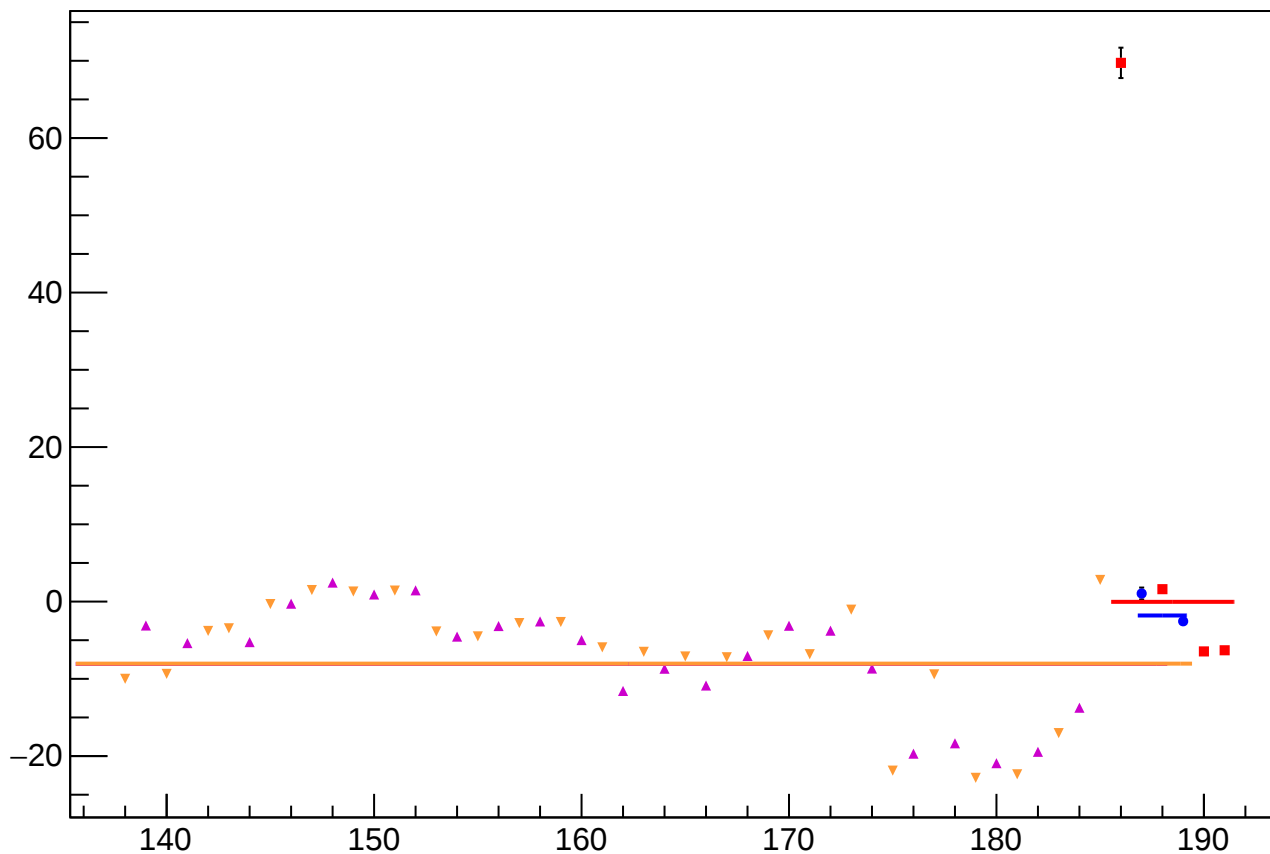
Right: -19.002 ± 0.013 $\chi^2/\text{NDF}: 204363.3/40$

In: -19.618 ± 0.007 $\chi^2/\text{NDF}: 68894.1/41$

Out: -19.422 ± 0.007 $\chi^2/\text{NDF}: 282415.6/46$

All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351672.5/88$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.801 ± 0.353 $\chi^2/\text{NDF}: 17.2/1$
 Left Out: -8.034 ± 0.070 $\chi^2/\text{NDF}: 12568.0/24$
 Right Out: -0.034 ± 0.159 $\chi^2/\text{NDF}: 1755.9/3$
 Left In: -8.078 ± 0.072 $\chi^2/\text{NDF}: 10541.6/22$

Left: -8.055 ± 0.050 $\chi^2/\text{NDF}: 23109.8/47$

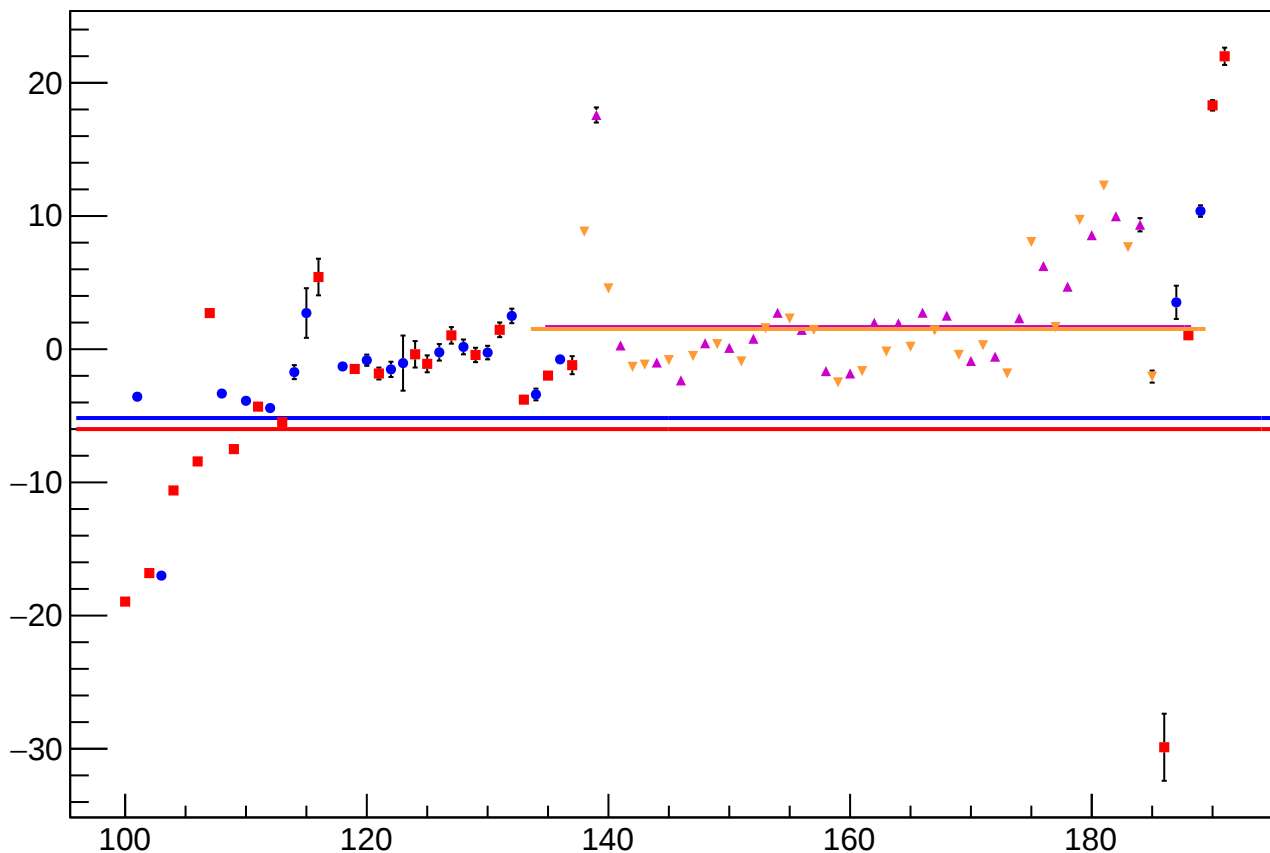
Right: -0.332 ± 0.145 $\chi^2/\text{NDF}: 1793.9/5$

In: -7.827 ± 0.070 $\chi^2/\text{NDF}: 10862.8/24$

Out: -6.722 ± 0.064 $\chi^2/\text{NDF}: 16446.6/28$

All: -7.224 ± 0.047 $\chi^2/\text{NDF}: 27443.5/53$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.168 ± 0.054 $\chi^2/\text{NDF}: 10593.0/18$

Left Out: 1.518 ± 0.054 $\chi^2/\text{NDF}: 4847.5/24$

Right Out: -5.997 ± 0.057 $\chi^2/\text{NDF}: 19006.3/22$

Left In: 1.662 ± 0.057 $\chi^2/\text{NDF}: 4034.2/22$

Left: 1.587 ± 0.039 $\chi^2/\text{NDF}: 8885.0/47$

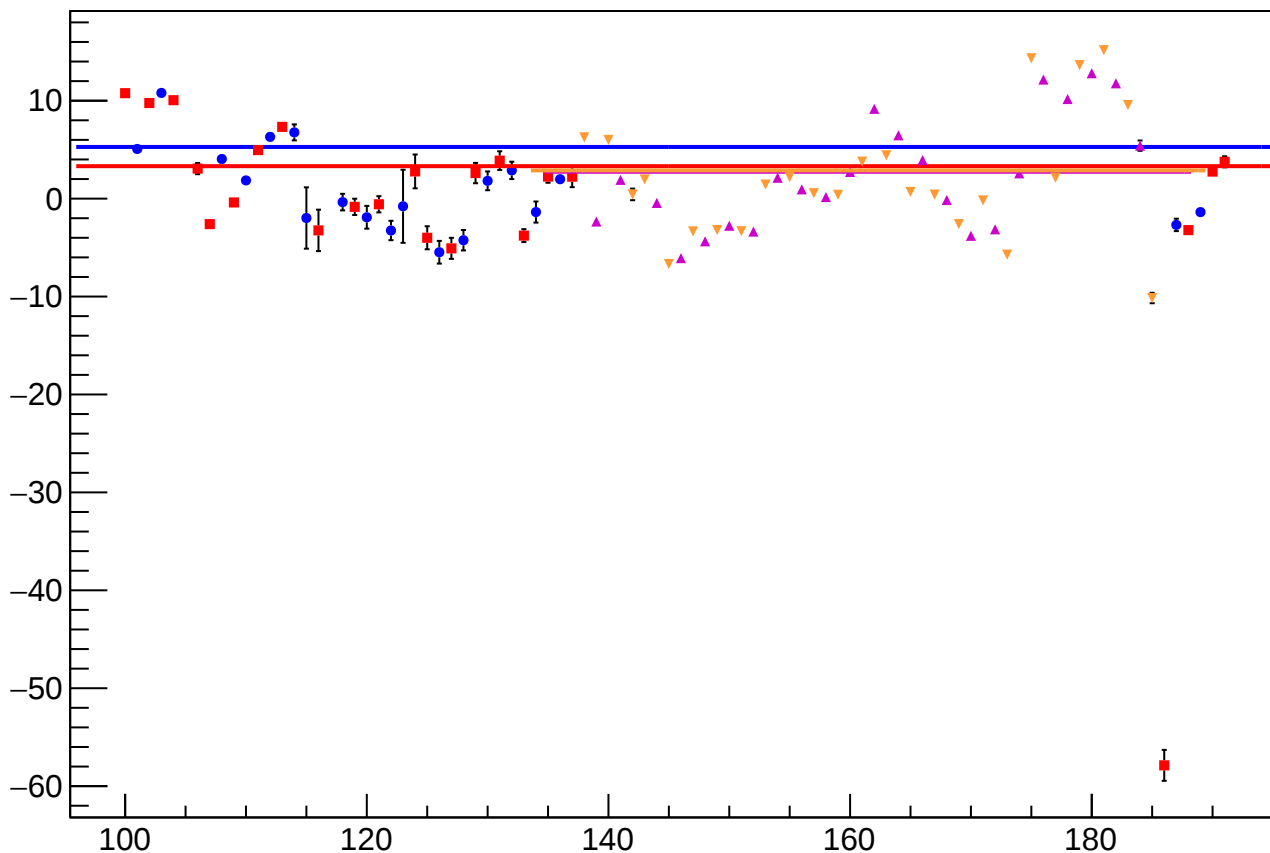
Right: -5.564 ± 0.039 $\chi^2/\text{NDF}: 29710.4/41$

In: -1.886 ± 0.039 $\chi^2/\text{NDF}: 22200.3/41$

Out: -2.065 ± 0.039 $\chi^2/\text{NDF}: 32968.2/47$

All: -1.976 ± 0.028 $\chi^2/\text{NDF}: 55178.9/89$

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.279 ± 0.086 χ^2/NDF : 1967.1/18

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.315 ± 0.077 χ^2/NDF : 6916.0/22

Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

Left: 2.816 ± 0.050 χ^2/NDF : 16078.2/47

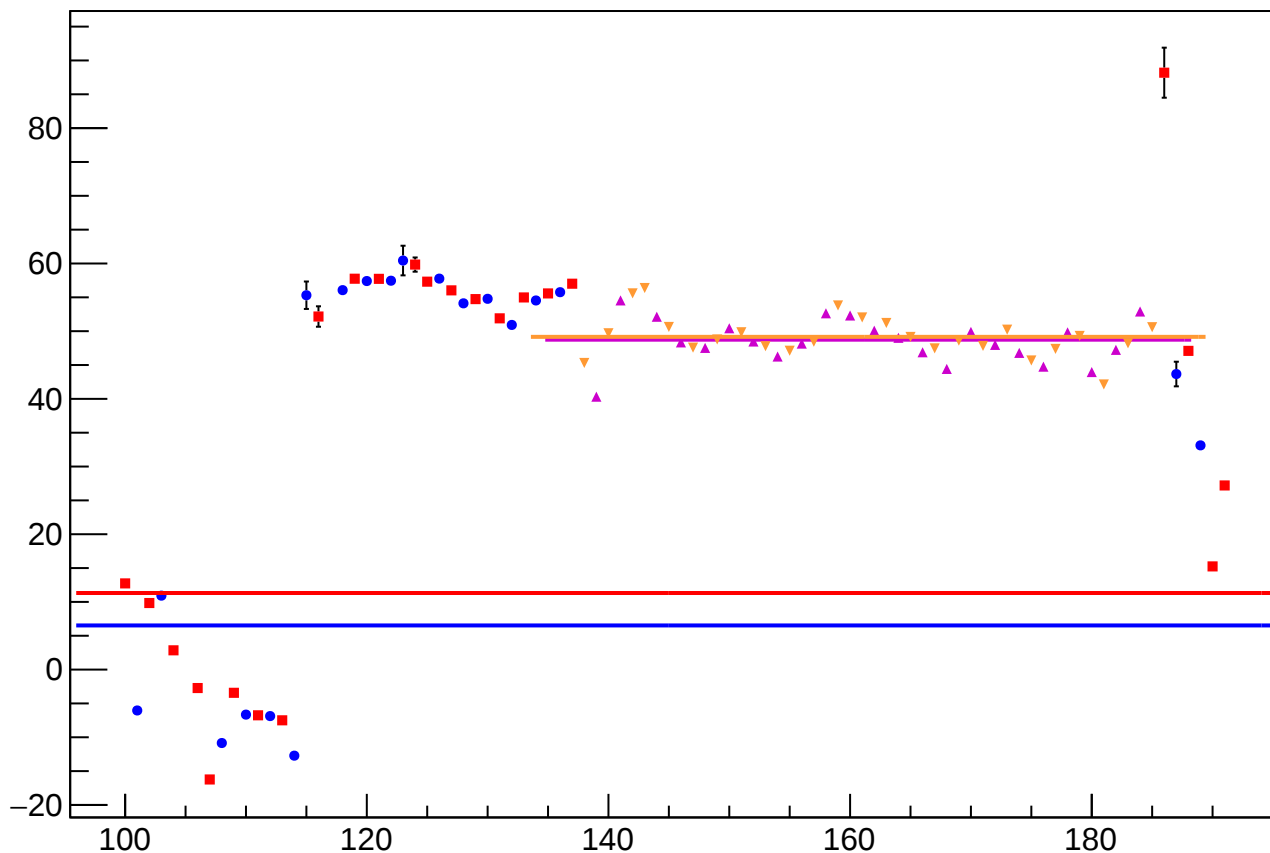
Right: 4.182 ± 0.057 χ^2/NDF : 9172.6/41

In: 3.776 ± 0.055 χ^2/NDF : 9661.7/41

Out: 3.081 ± 0.052 χ^2/NDF : 15826.3/47

All: 3.407 ± 0.038 χ^2/NDF : 25572.7/89

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.523 ± 0.065 χ^2/NDF : 122678.7/18

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 11.316 ± 0.068 χ^2/NDF : 130815.0/22

Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

Left: 48.960 ± 0.044 χ^2/NDF : 4380.0/47

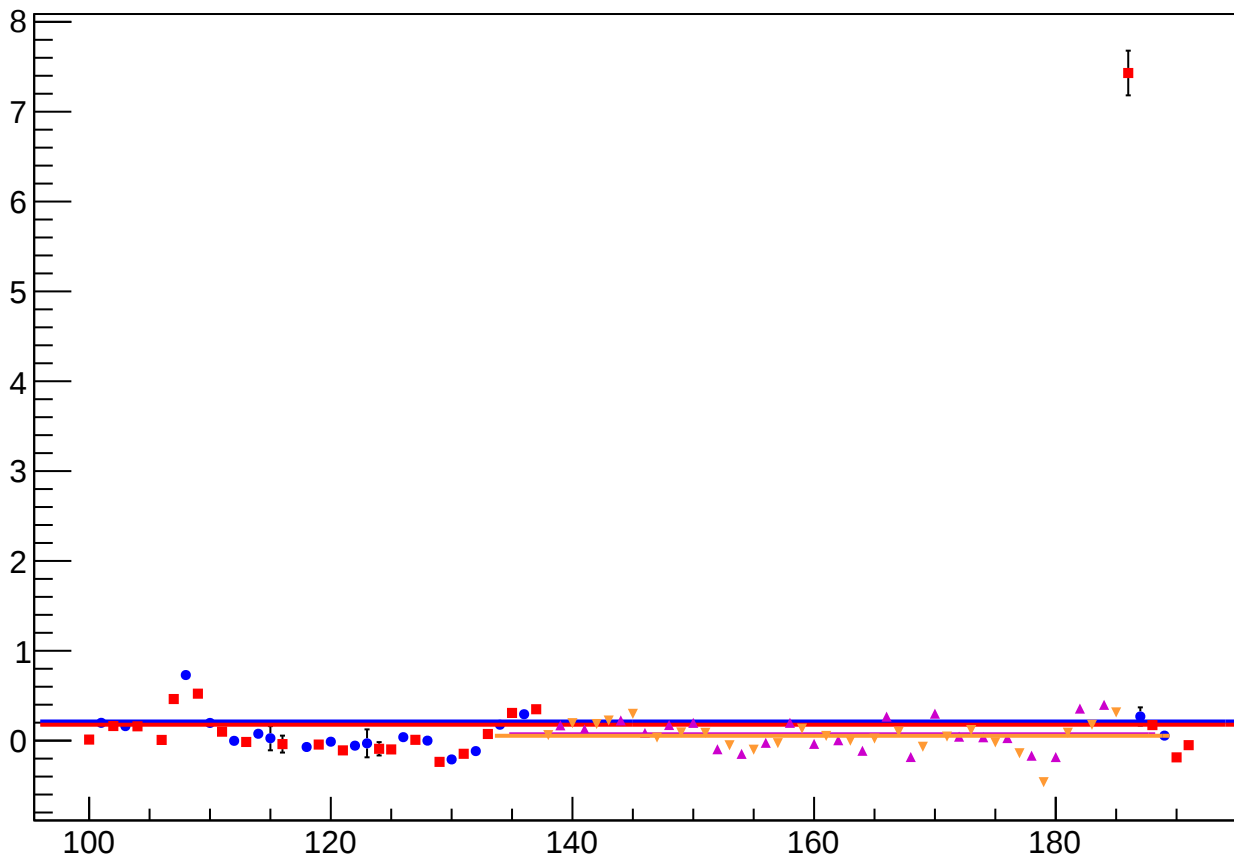
Right: 8.790 ± 0.047 χ^2/NDF : 256104.5/41

In: 27.877 ± 0.045 χ^2/NDF : 341446.5/41

Out: 32.088 ± 0.046 χ^2/NDF : 302608.7/47

All: 29.964 ± 0.032 χ^2/NDF : 648329.8/89

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.213+/-0.003 χ^2/NDF : 3972.5/18

Left Out: 0.054+/-0.003 χ^2/NDF : 2379.8/24

Right Out: 0.177+/-0.003 χ^2/NDF : 3978.4/22

Left In: 0.070+/-0.003 χ^2/NDF : 3233.8/22

Left: 0.062+/-0.002 χ^2/NDF : 5630.0/47

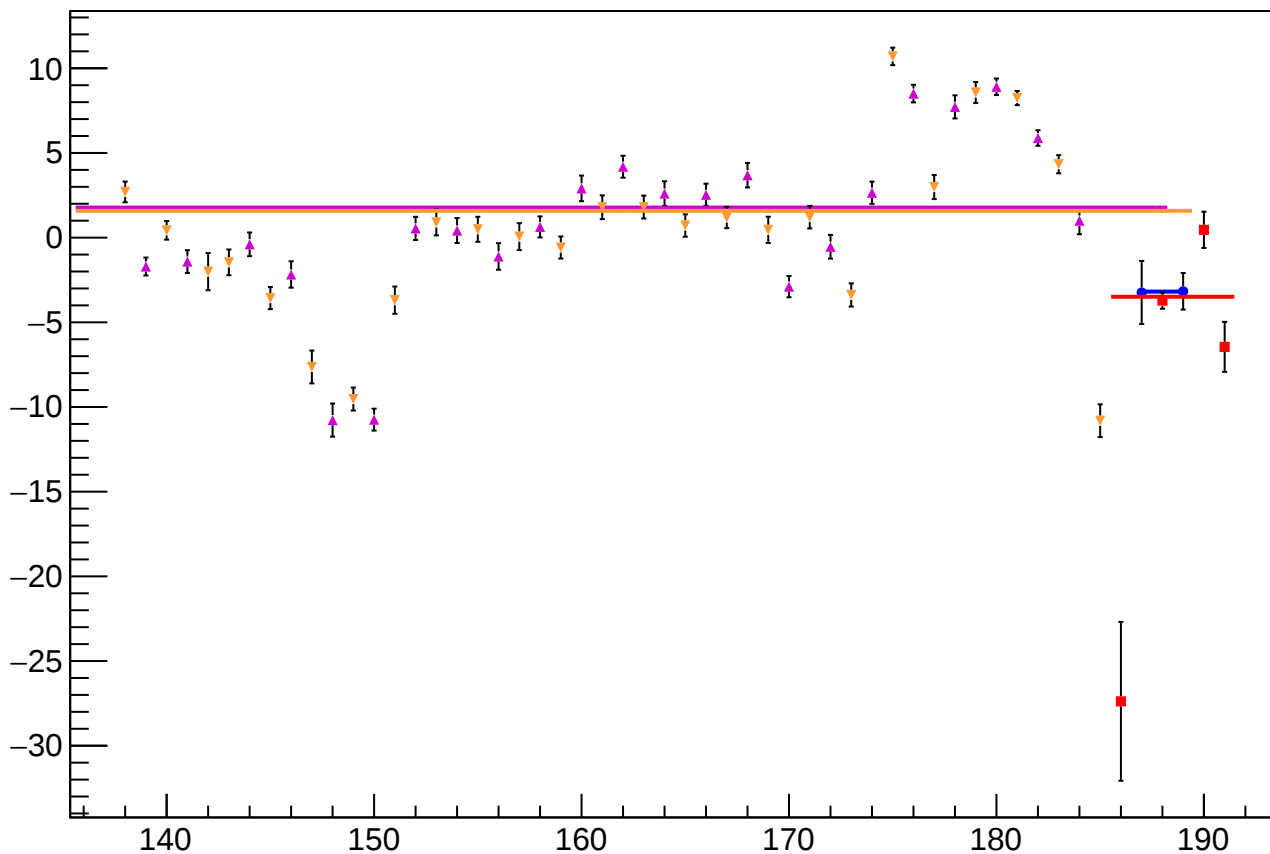
Right: 0.194+/-0.002 χ^2/NDF : 8039.8/41

In: 0.145+/-0.002 χ^2/NDF : 8497.4/41

Out: 0.120+/-0.002 χ^2/NDF : 7382.6/47

All: 0.132+/-0.001 χ^2/NDF : 15957.4/89

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.186 ± 0.934 χ^2/NDF : 0.0/1

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -3.489 ± 0.416 χ^2/NDF : 43.8/3

Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

Left: 1.677 ± 0.095 χ^2/NDF : 2757.2/47

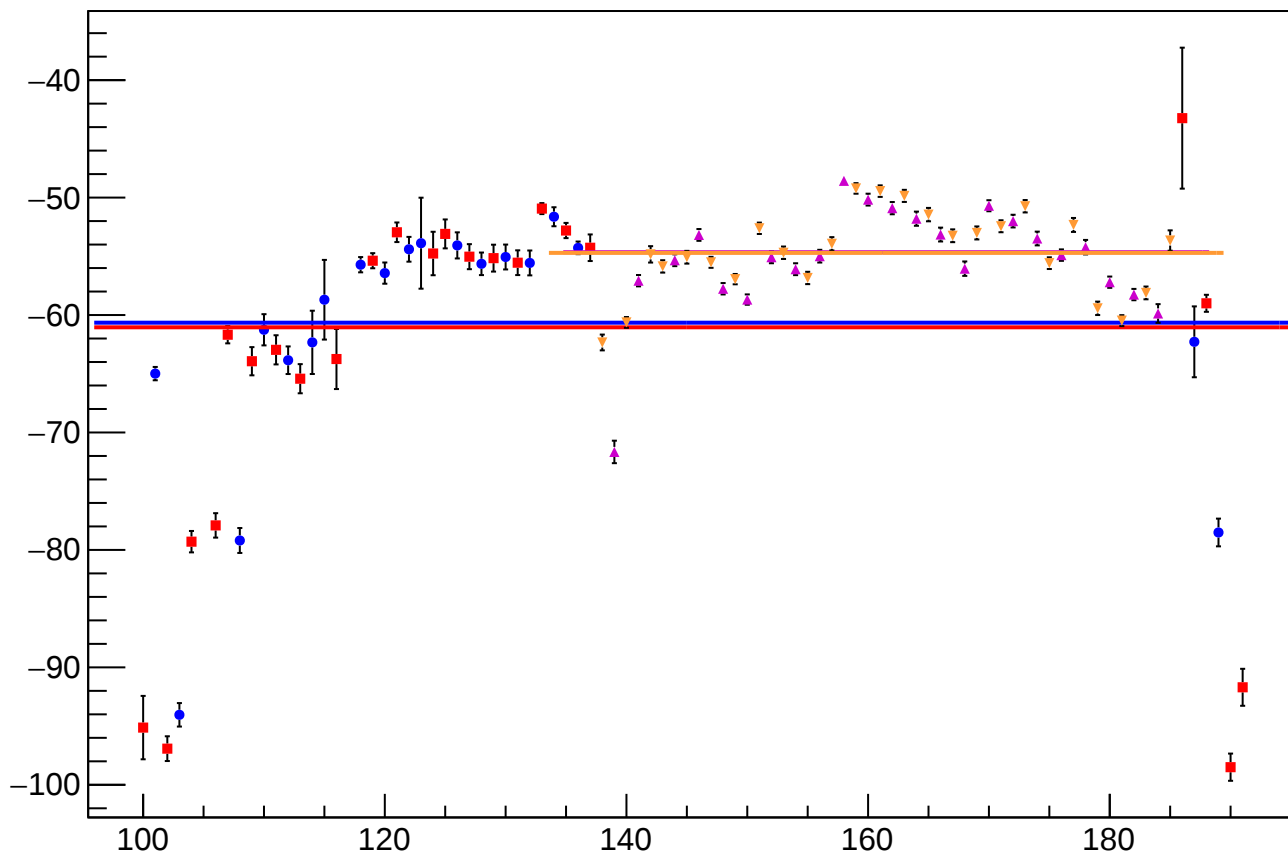
Right: -3.439 ± 0.380 χ^2/NDF : 43.9/5

In: 1.672 ± 0.134 χ^2/NDF : 1325.0/24

Out: 1.116 ± 0.126 χ^2/NDF : 1637.6/28

All: 1.378 ± 0.092 χ^2/NDF : 2971.7/53

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -60.652 ± 0.221 χ^2/NDF : 2211.1/18

Left Out: -54.707 ± 0.106 χ^2/NDF : 1126.0/24

Right Out: -61.045 ± 0.199 χ^2/NDF : 4418.3/22

Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

Left: -54.680 ± 0.076 χ^2/NDF : 2203.2/47

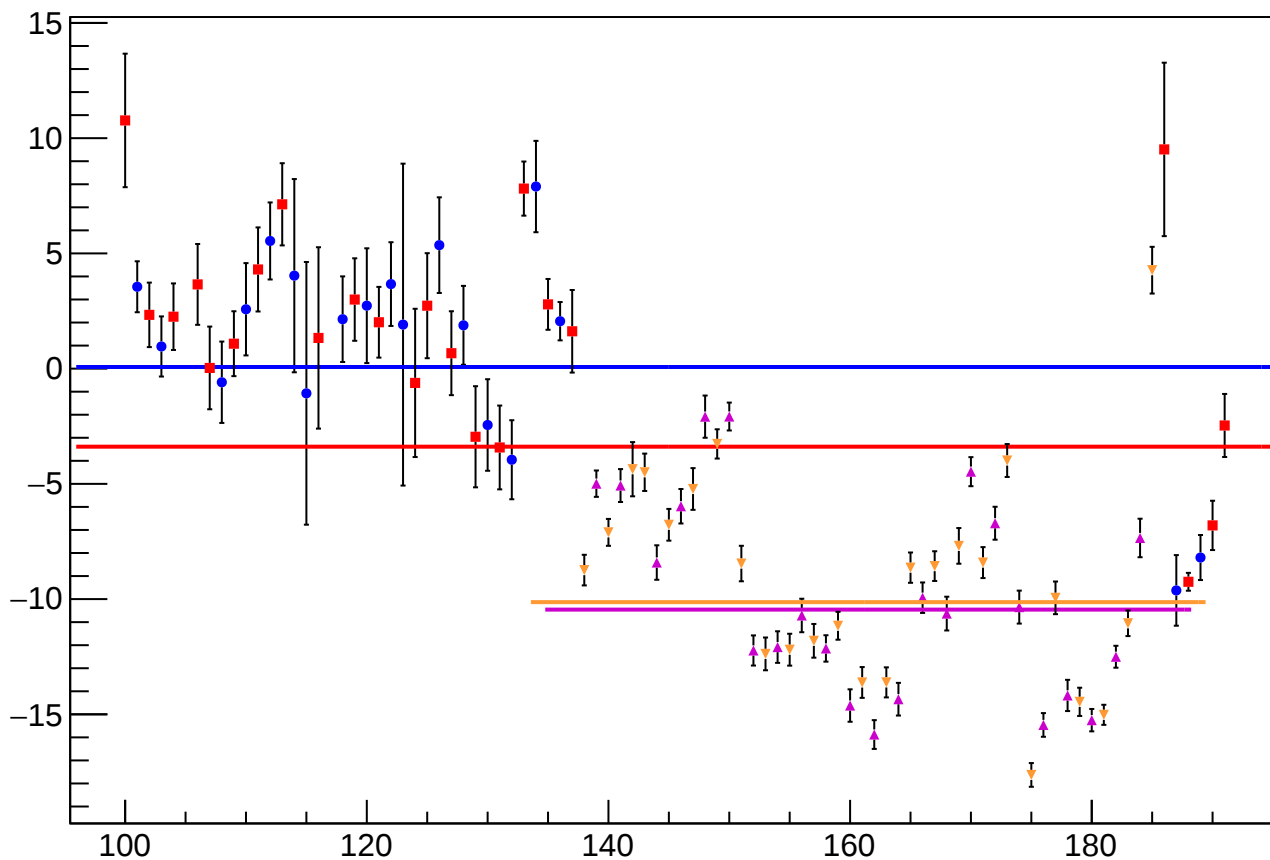
Right: -60.869 ± 0.148 χ^2/NDF : 6631.2/41

In: -55.841 ± 0.098 χ^2/NDF : 3881.5/41

Out: -56.104 ± 0.093 χ^2/NDF : 6336.7/47

All: -55.979 ± 0.068 χ^2/NDF : 10222.0/89

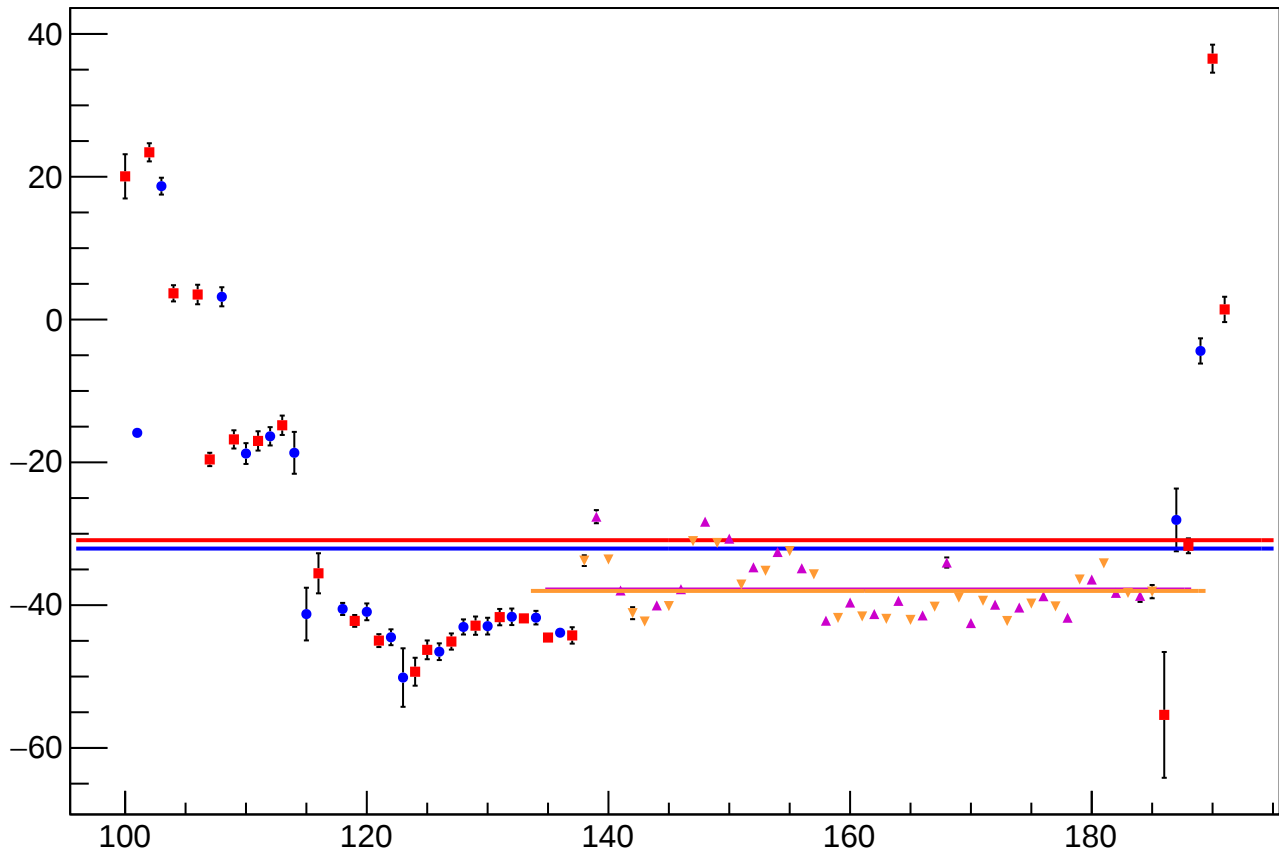
reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.071 ± 0.364 $\chi^2/\text{NDF}: 177.8/18$
 Left Out: -10.131 ± 0.133 $\chi^2/\text{NDF}: 1055.4/24$
 Right Out: -3.386 ± 0.260 $\chi^2/\text{NDF}: 559.2/22$
 Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

Left: -10.291 ± 0.095 $\chi^2/\text{NDF}: 2061.1/47$
 Right: -2.218 ± 0.212 $\chi^2/\text{NDF}: 796.7/41$
 In: -9.190 ± 0.126 $\chi^2/\text{NDF}: 1915.5/41$
 Out: -8.737 ± 0.118 $\chi^2/\text{NDF}: 2147.7/47$
 All: -8.949 ± 0.086 $\chi^2/\text{NDF}: 4070.0/89$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.075 ± 0.253 $\chi^2/\text{NDF}: 4894.6/18$

Left Out: -38.006 ± 0.119 $\chi^2/\text{NDF}: 946.0/24$

Right Out: -30.903 ± 0.234 $\chi^2/\text{NDF}: 7608.5/22$

Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

Left: -37.910 ± 0.085 $\chi^2/\text{NDF}: 1987.2/47$

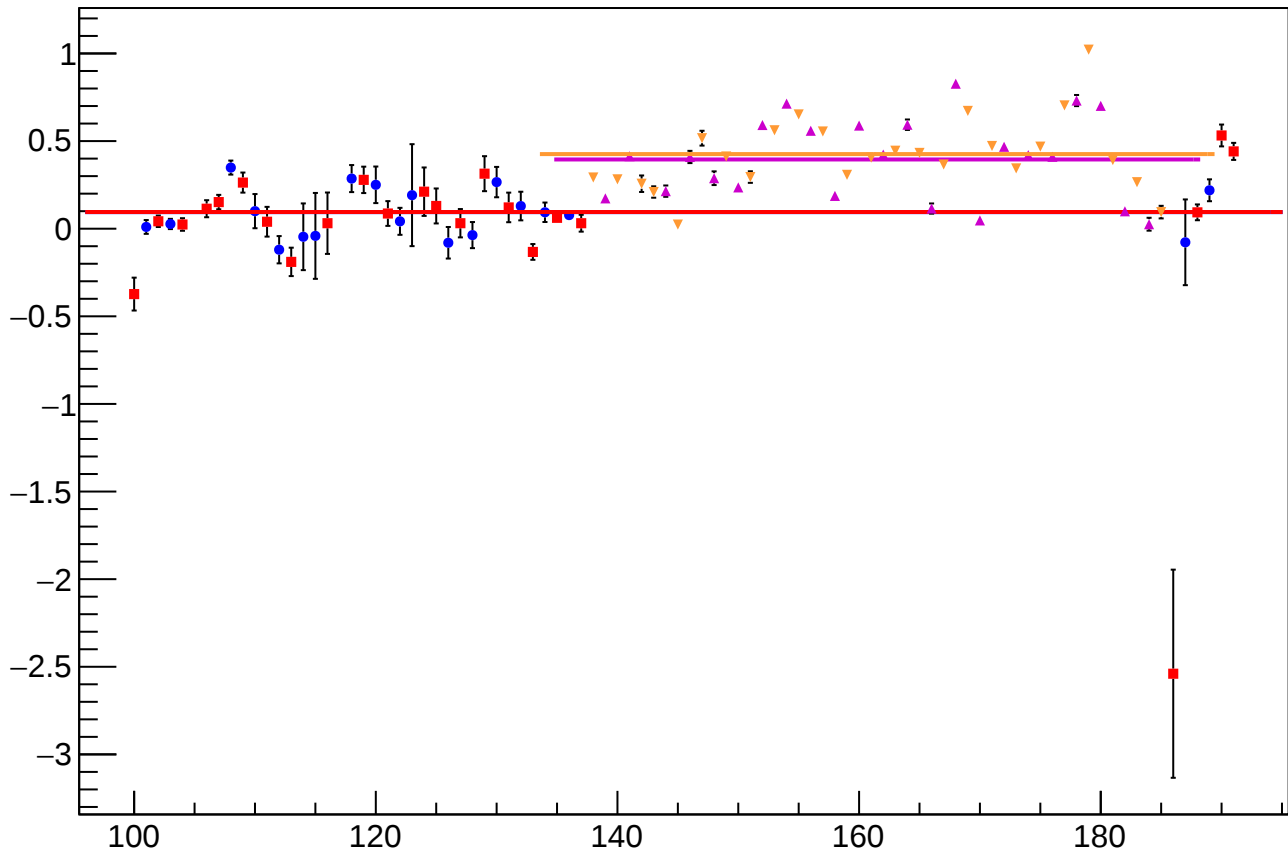
Right: -31.443 ± 0.172 $\chi^2/\text{NDF}: 12514.7/41$

In: -36.723 ± 0.110 $\chi^2/\text{NDF}: 6350.8/41$

Out: -36.551 ± 0.106 $\chi^2/\text{NDF}: 9287.5/47$

All: -36.634 ± 0.076 $\chi^2/\text{NDF}: 15639.6/89$

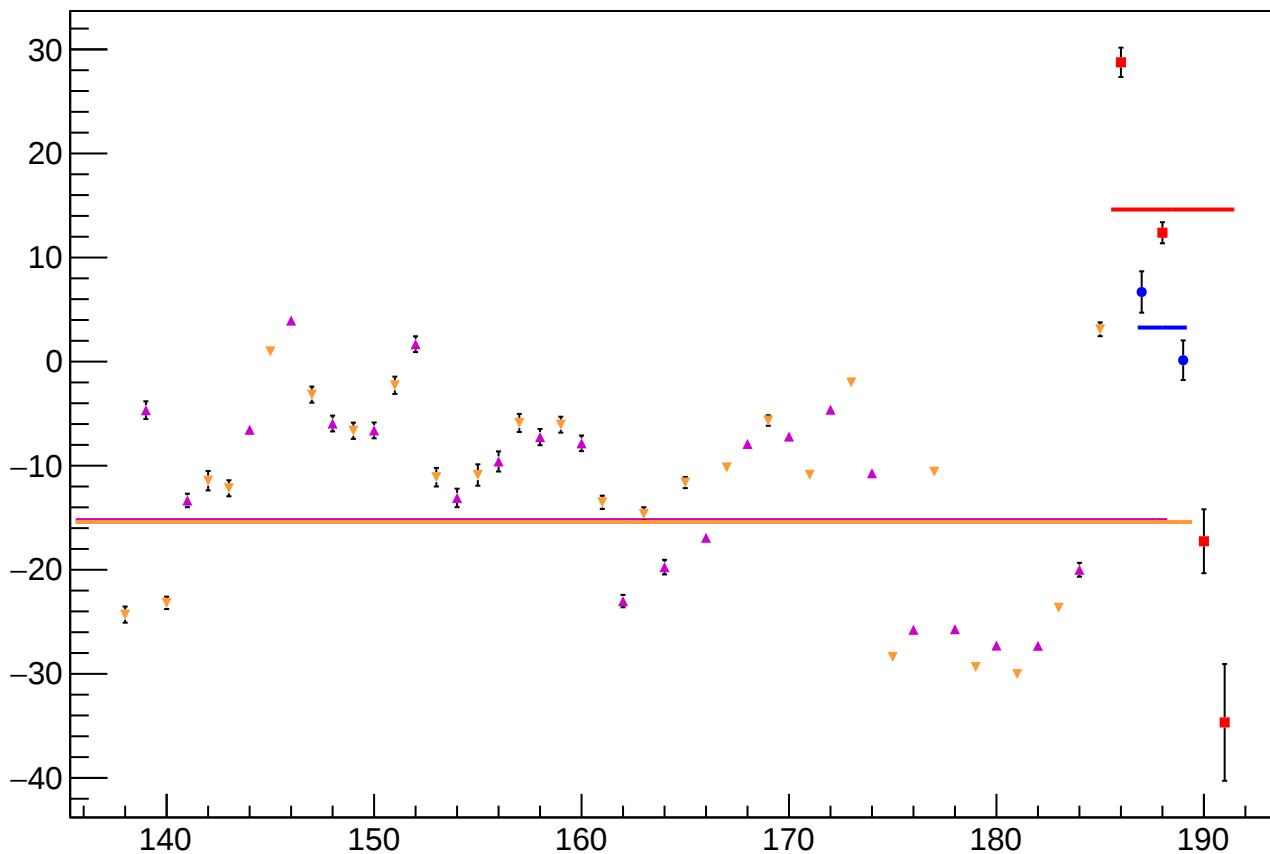
reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.095 ± 0.012 $\chi^2/\text{NDF}: 83.7/18$
 Left Out: 0.426 ± 0.005 $\chi^2/\text{NDF}: 1303.7/24$
 Right Out: 0.095 ± 0.011 $\chi^2/\text{NDF}: 215.7/22$
 Left In: 0.395 ± 0.005 $\chi^2/\text{NDF}: 1798.2/22$

Left: 0.411 ± 0.004 $\chi^2/\text{NDF}: 3118.1/47$
 Right: 0.095 ± 0.008 $\chi^2/\text{NDF}: 299.4/41$
 In: 0.347 ± 0.005 $\chi^2/\text{NDF}: 2369.8/41$
 Out: 0.364 ± 0.005 $\chi^2/\text{NDF}: 2223.6/47$
 All: 0.356 ± 0.003 $\chi^2/\text{NDF}: 4599.3/89$

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 3.273+/-1.375 χ^2/NDF : 5.7/1

Left Out: -15.413+/-0.105 χ^2/NDF :10509.1/24

Right Out: 14.612+/-0.787 χ^2/NDF : 290.5/3

Left In: -15.229+/-0.107 χ^2/NDF :8657.3/22

Left: -15.322+/-0.075 χ^2/NDF : 19167.9/47

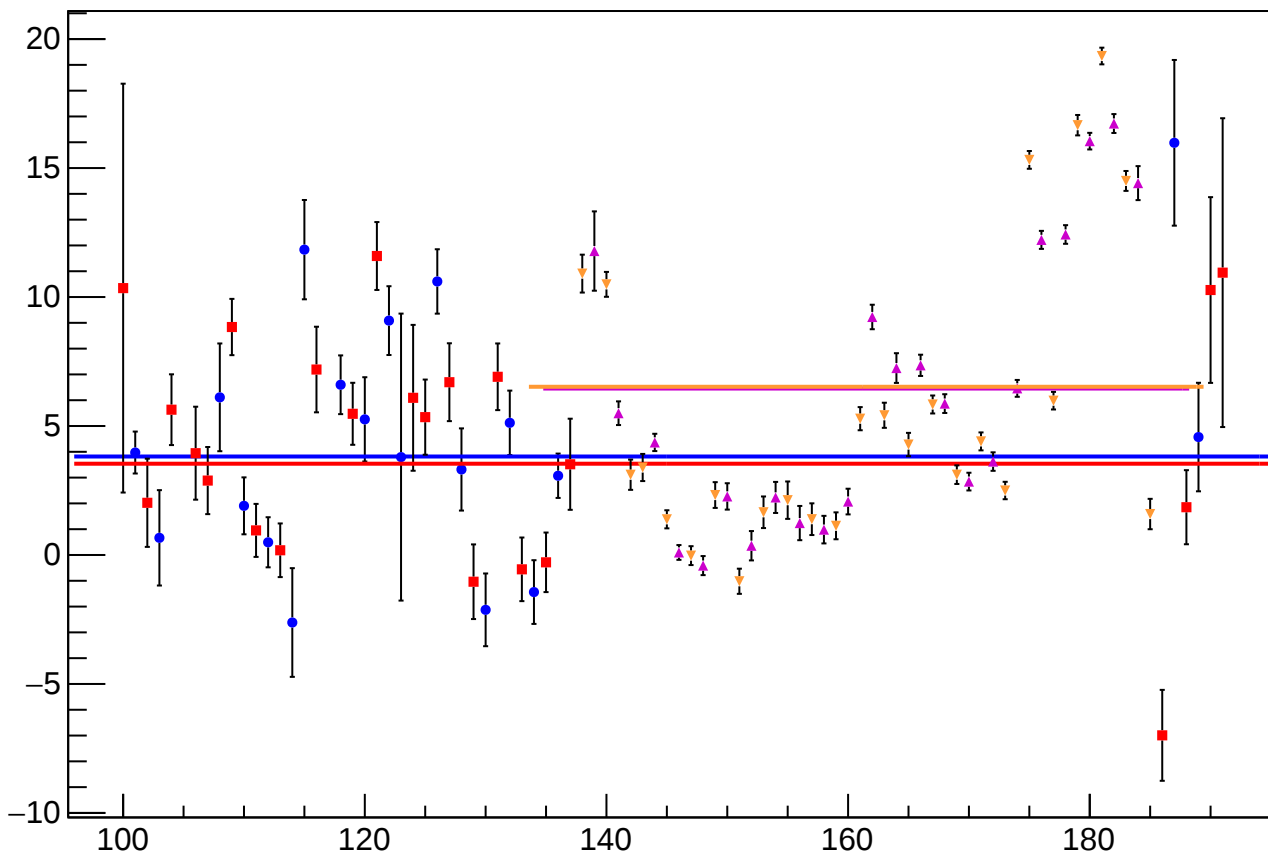
Right: 11.816+/-0.683 χ^2/NDF : 347.4/5

In: -15.119+/-0.106 χ^2/NDF :8843.0/24

Out: -14.885+/-0.104 χ^2/NDF :12230.8/28

All: -14.999+/-0.074 χ^2/NDF : 21076.3/53

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.818 $\pm$ 0.306 χ^2 /NDF: 149.8/18

Left Out: 6.521 $\pm$ 0.085 χ^2 /NDF:4985.2/24

Right Out: 3.538 $\pm$ 0.303 χ^2 /NDF: 177.0/22

Left In: 6.452 $\pm$ 0.086 χ^2 /NDF:3948.0/22

Left: 6.487 $\pm$ 0.061 χ^2 /NDF: 8933.5/47

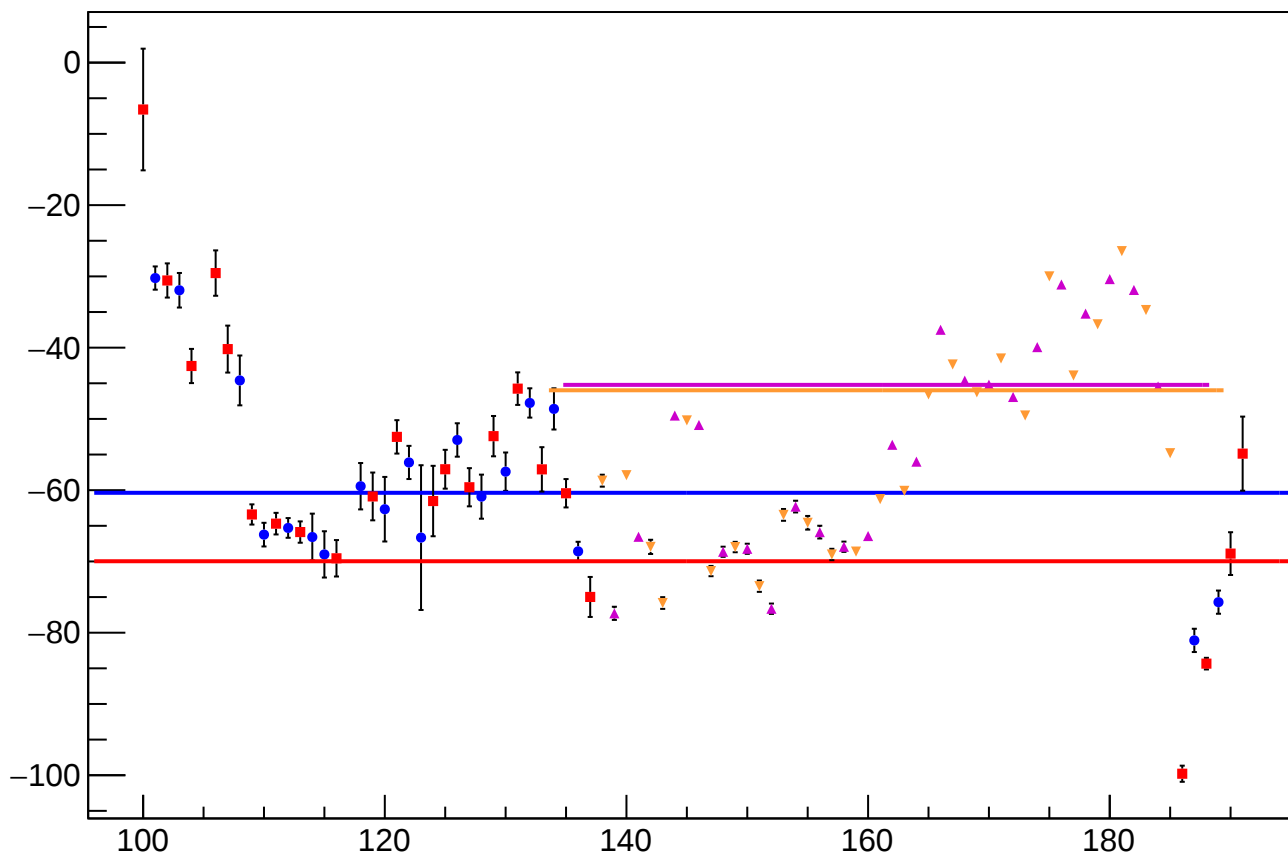
Right: 3.677 $\pm$ 0.215 χ^2 /NDF: 327.2/41

In: 6.259 $\pm$ 0.083 χ^2 /NDF:4166.4/41

Out: 6.302 $\pm$ 0.082 χ^2 /NDF:5251.9/47

All: 6.280 $\pm$ 0.058 χ^2 /NDF: 9418.4/89

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -60.368 ± 0.492 χ^2/NDF : 891.7/18

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -69.972 ± 0.412 χ^2/NDF : 2048.0/22

Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

Left: -45.605 ± 0.075 χ^2/NDF : 32985.7/47

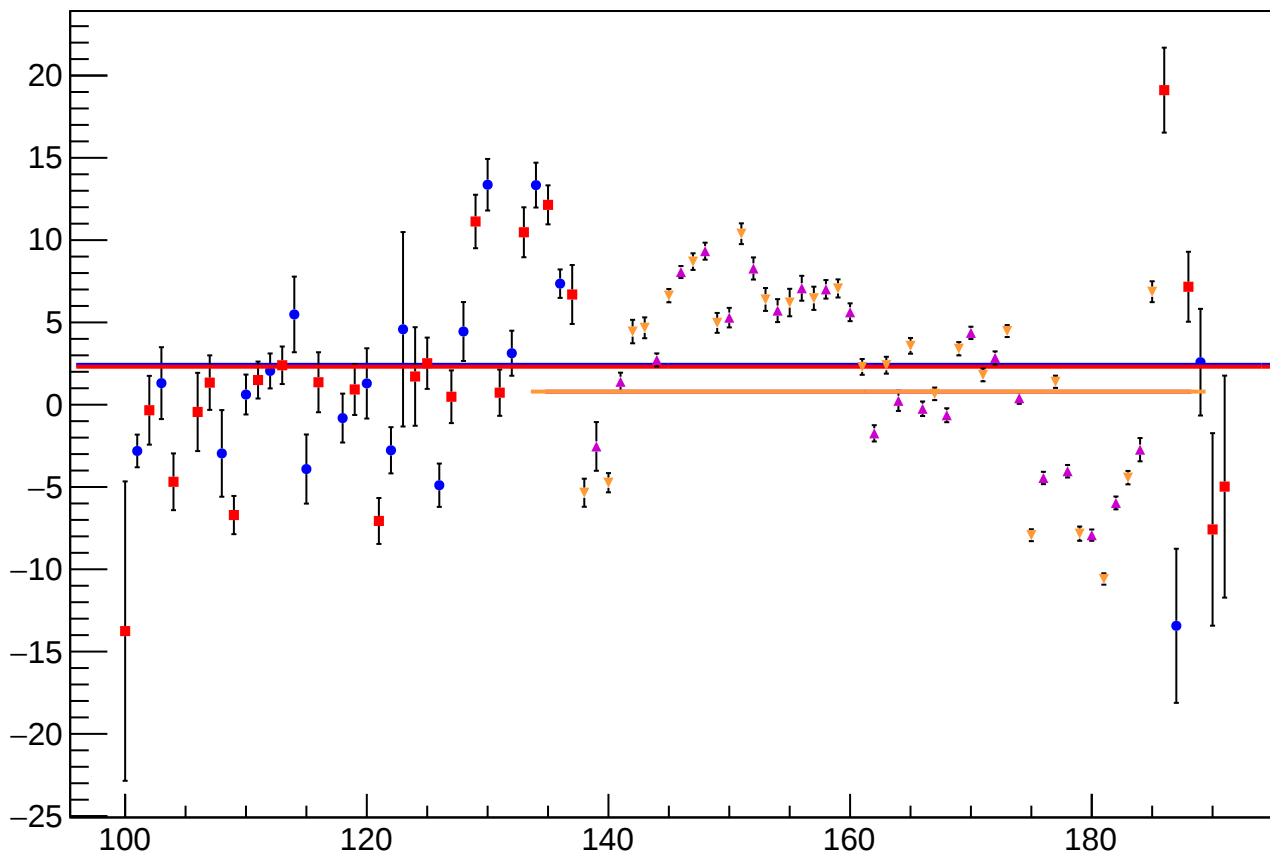
Right: -66.017 ± 0.316 χ^2/NDF : 3163.7/41

In: -45.908 ± 0.105 χ^2/NDF : 17396.1/41

Out: -47.479 ± 0.103 χ^2/NDF : 22589.7/47

All: -46.708 ± 0.073 χ^2/NDF : 40100.3/89

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.423 ± 0.345 χ^2/NDF : 253.8/18

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 2.309 ± 0.346 χ^2/NDF : 317.5/22

Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

Left: 0.795 ± 0.068 χ^2/NDF : 6452.5/47

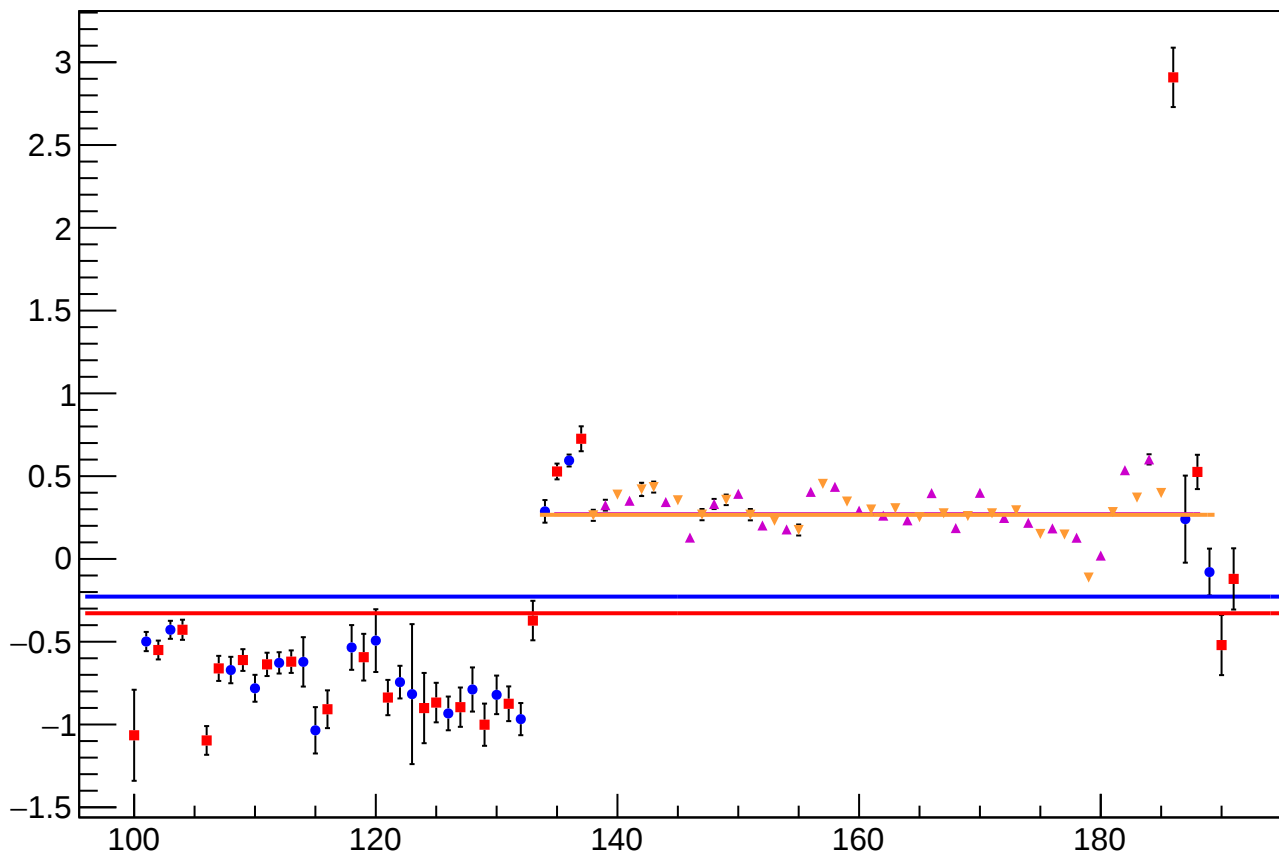
Right: 2.366 ± 0.244 χ^2/NDF : 571.3/41

In: 0.911 ± 0.093 χ^2/NDF : 2967.0/41

Out: 0.904 ± 0.092 χ^2/NDF : 4095.1/47

All: 0.907 ± 0.065 χ^2/NDF : 7062.2/89

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.228 ± 0.019 χ^2/NDF : 961.4/18

Left Out: 0.267 ± 0.004 χ^2/NDF : 699.8/24

Right Out: -0.328 ± 0.018 χ^2/NDF : 1252.2/22

Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

Left: 0.268 ± 0.003 χ^2/NDF : 1670.1/47

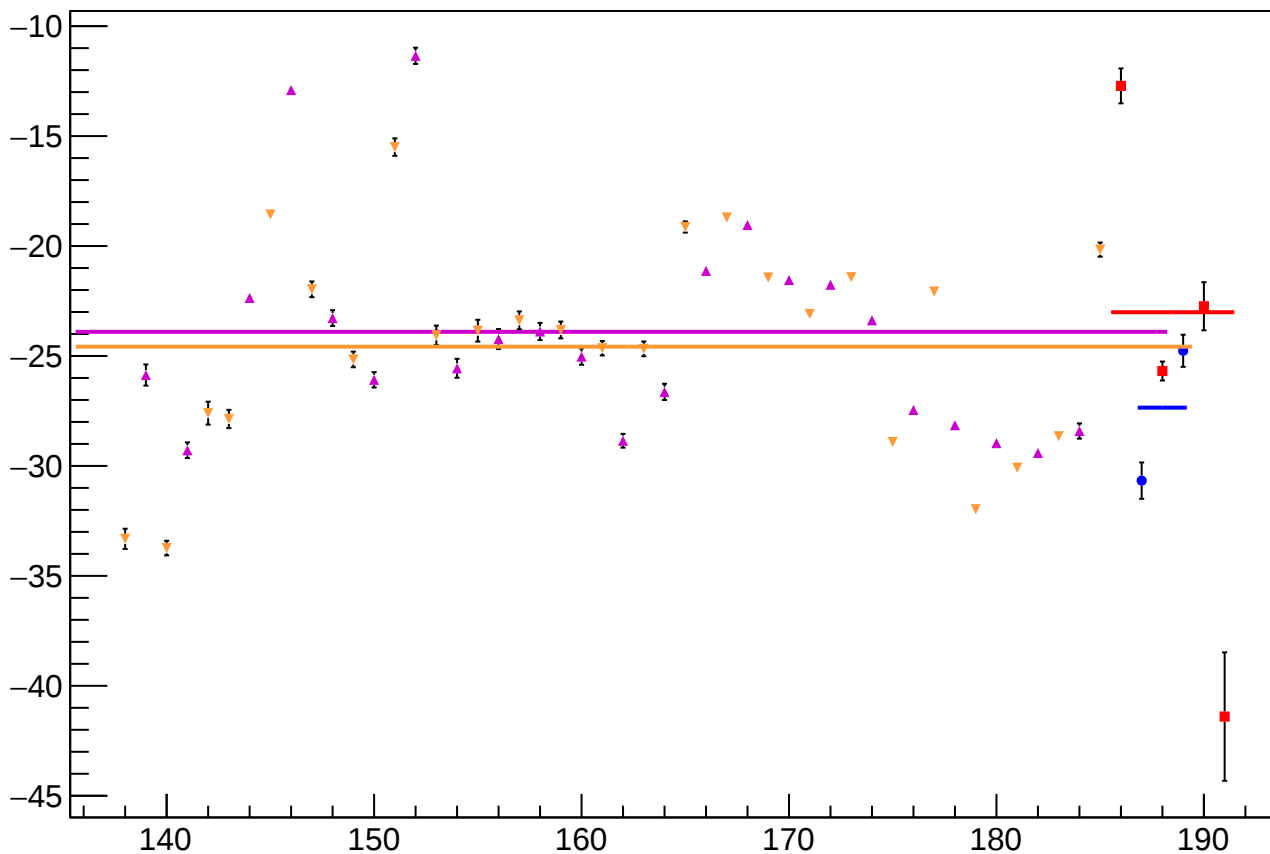
Right: -0.279 ± 0.013 χ^2/NDF : 2228.2/41

In: 0.244 ± 0.004 χ^2/NDF : 2602.0/41

Out: 0.235 ± 0.004 χ^2/NDF : 2940.7/47

All: 0.239 ± 0.003 χ^2/NDF : 5544.8/89

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.349+/-0.548 χ^2/NDF : 28.6/1

Left Out: -24.577+/-0.051 χ^2/NDF : 8590.4/24

Right Out: -23.010+/-0.355 χ^2/NDF : 246.4/3

Left In: -23.901+/-0.051 χ^2/NDF : 9154.9/22

Left: -24.240+/-0.036 χ^2/NDF : 17833.1/47

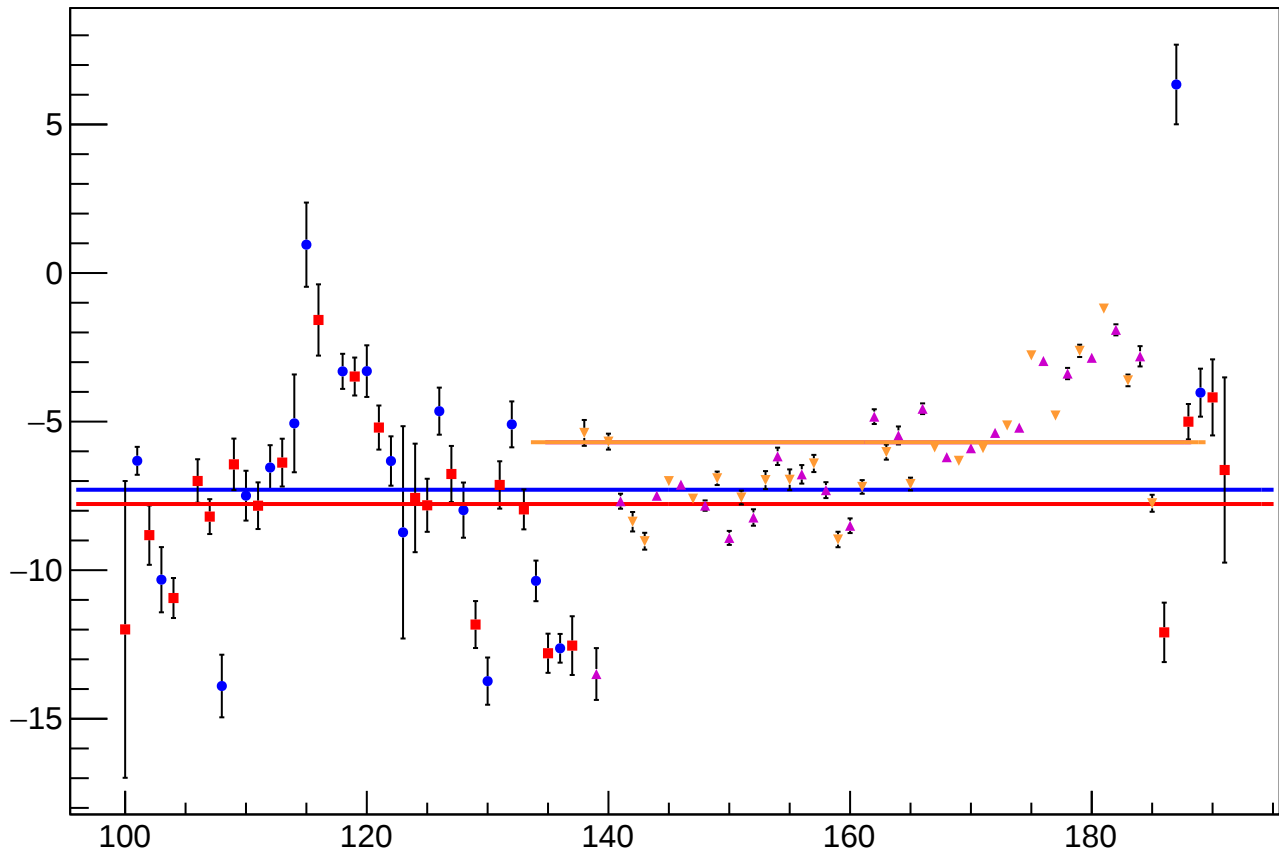
Right: -24.294+/-0.298 χ^2/NDF : 319.2/5

In: -23.931+/-0.051 χ^2/NDF : 9222.8/24

Out: -24.546+/-0.050 χ^2/NDF : 8855.9/28

All: -24.241+/-0.036 χ^2/NDF : 18152.4/53

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.293 ± 0.181 χ^2/NDF : 503.6/18

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.774 ± 0.173 χ^2/NDF : 272.7/22

Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

Left: -5.695 ± 0.029 χ^2/NDF : 4568.1/47

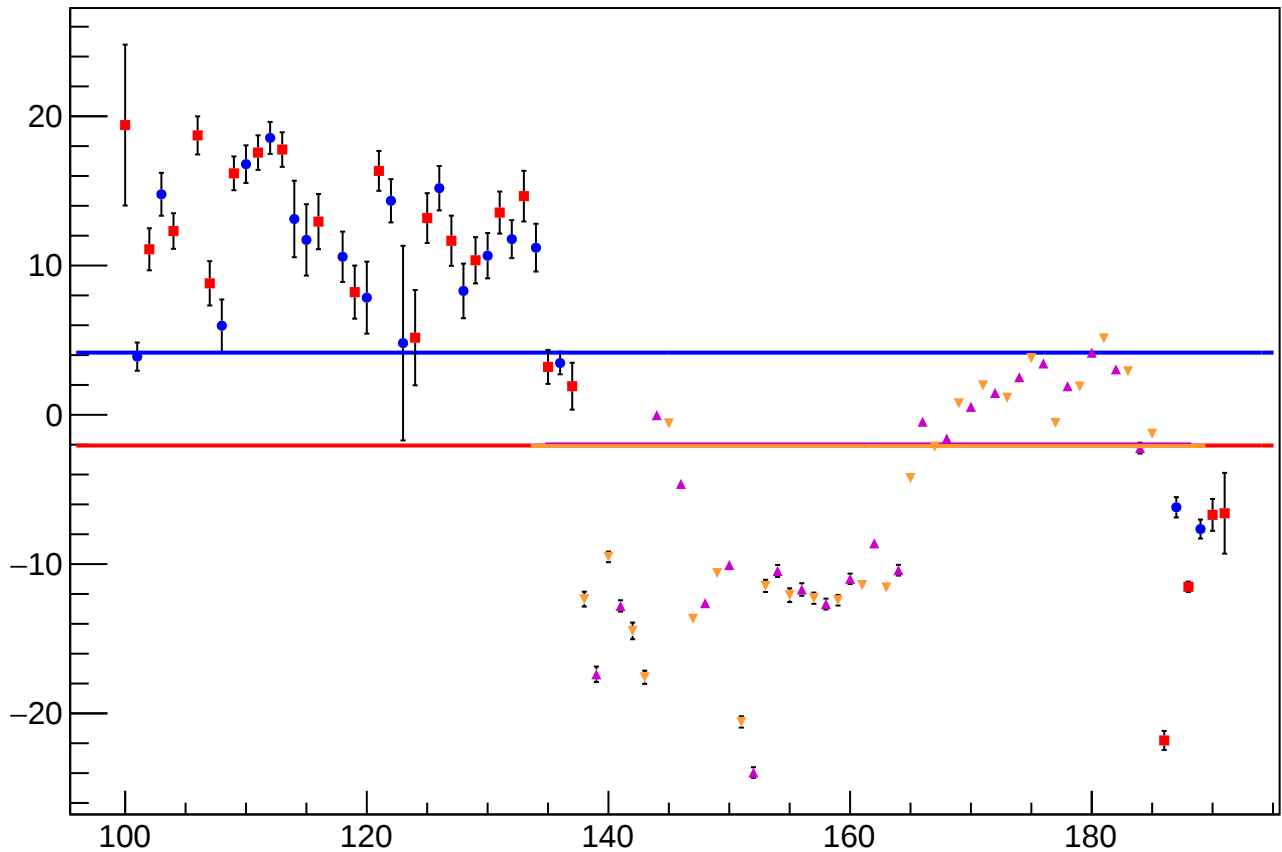
Right: -7.544 ± 0.125 χ^2/NDF : 780.0/41

In: -5.774 ± 0.040 χ^2/NDF : 2887.6/41

Out: -5.805 ± 0.040 χ^2/NDF : 2667.7/47

All: -5.789 ± 0.028 χ^2/NDF : 5555.6/89

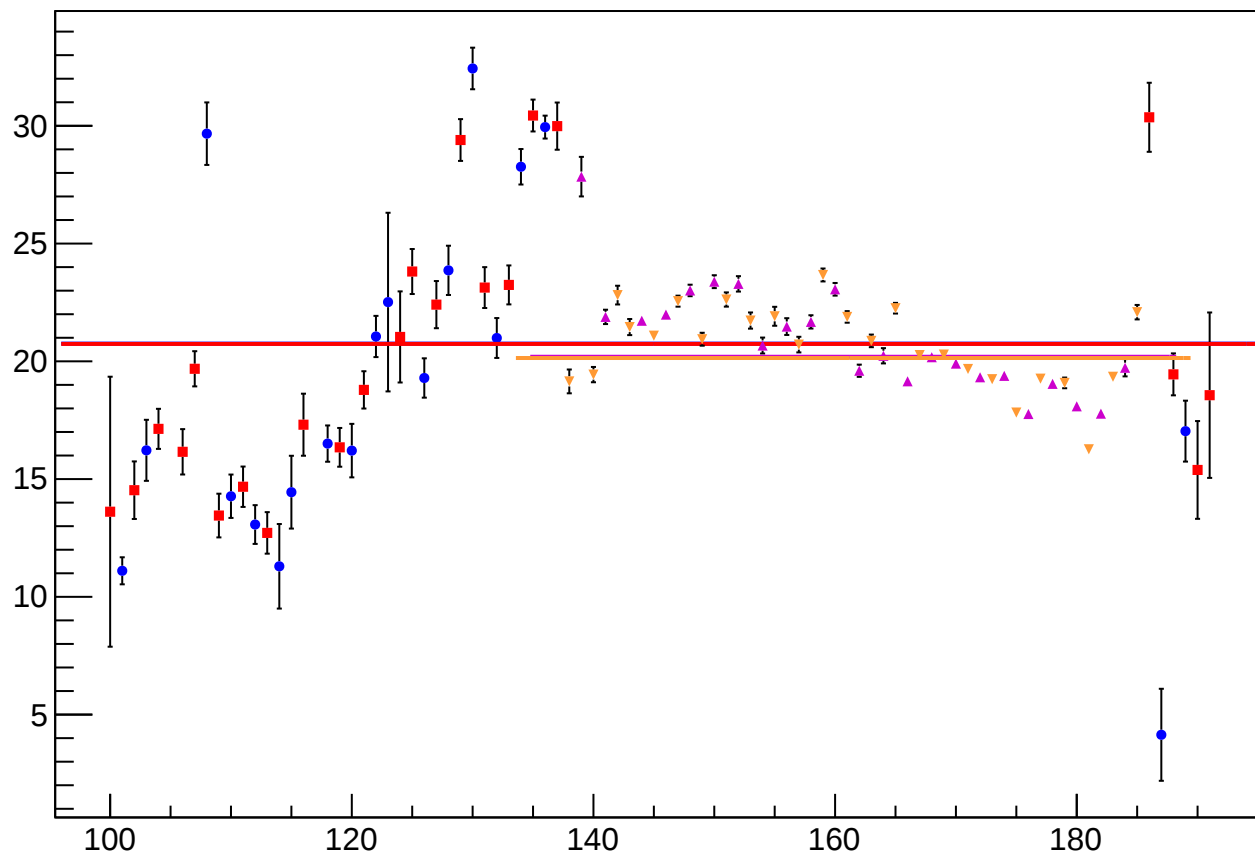
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.167 ± 0.274 $\chi^2/\text{NDF}: 1135.3/18$
 Left Out: -2.092 ± 0.051 $\chi^2/\text{NDF}: 16305.3/24$
 Right Out: -2.056 ± 0.219 $\chi^2/\text{NDF}: 3892.8/22$
 Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

Left: -2.036 ± 0.036 $\chi^2/\text{NDF}: 31690.0/47$
 Right: 0.375 ± 0.171 $\chi^2/\text{NDF}: 5343.3/41$
 In: -1.772 ± 0.050 $\chi^2/\text{NDF}: 17005.3/41$
 Out: -2.090 ± 0.050 $\chi^2/\text{NDF}: 20198.1/47$
 All: -1.932 ± 0.036 $\chi^2/\text{NDF}: 37223.5/89$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.751 $\pm$ 0.207 χ^2 /NDF: 1291.8/18

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF:1419.1/24

Right Out: 20.739 $\pm$ 0.204 χ^2 /NDF: 774.0/22

Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

Left: 20.167 $\pm$ 0.032 χ^2 /NDF: 2867.2/47

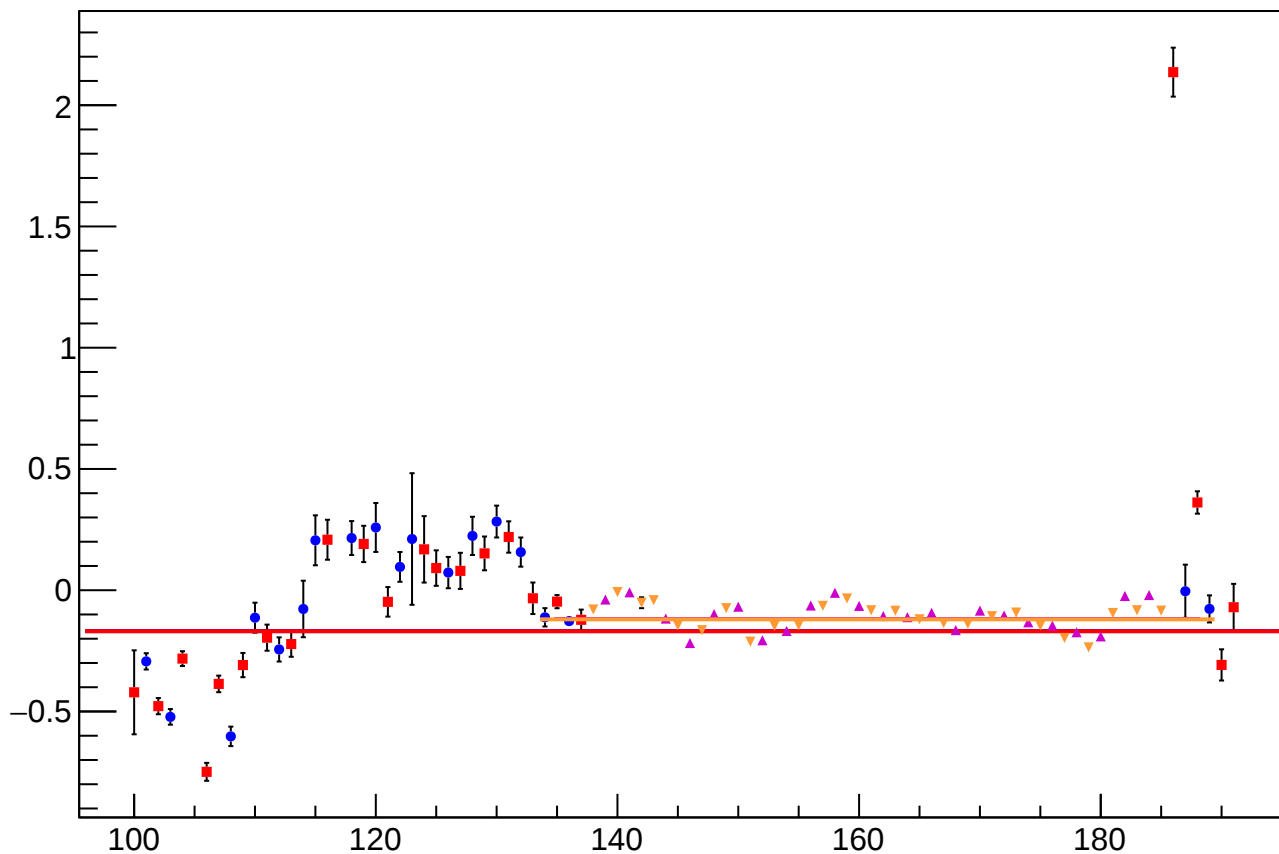
Right: 20.745 $\pm$ 0.145 χ^2 /NDF: 2065.8/41

In: 20.220 $\pm$ 0.045 χ^2 /NDF:2746.1/41

Out: 20.170 $\pm$ 0.045 χ^2 /NDF:2201.3/47

All: 20.195 $\pm$ 0.032 χ^2 /NDF: 4948.0/89

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.168 ± 0.011 $\chi^2/\text{NDF}: 463.4/18$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 530.4/24$

Right Out: -0.169 ± 0.010 $\chi^2/\text{NDF}: 1217.2/22$

Left In: -0.119 ± 0.002 $\chi^2/\text{NDF}: 721.8/22$

Left: -0.119 ± 0.001 $\chi^2/\text{NDF}: 1252.4/47$

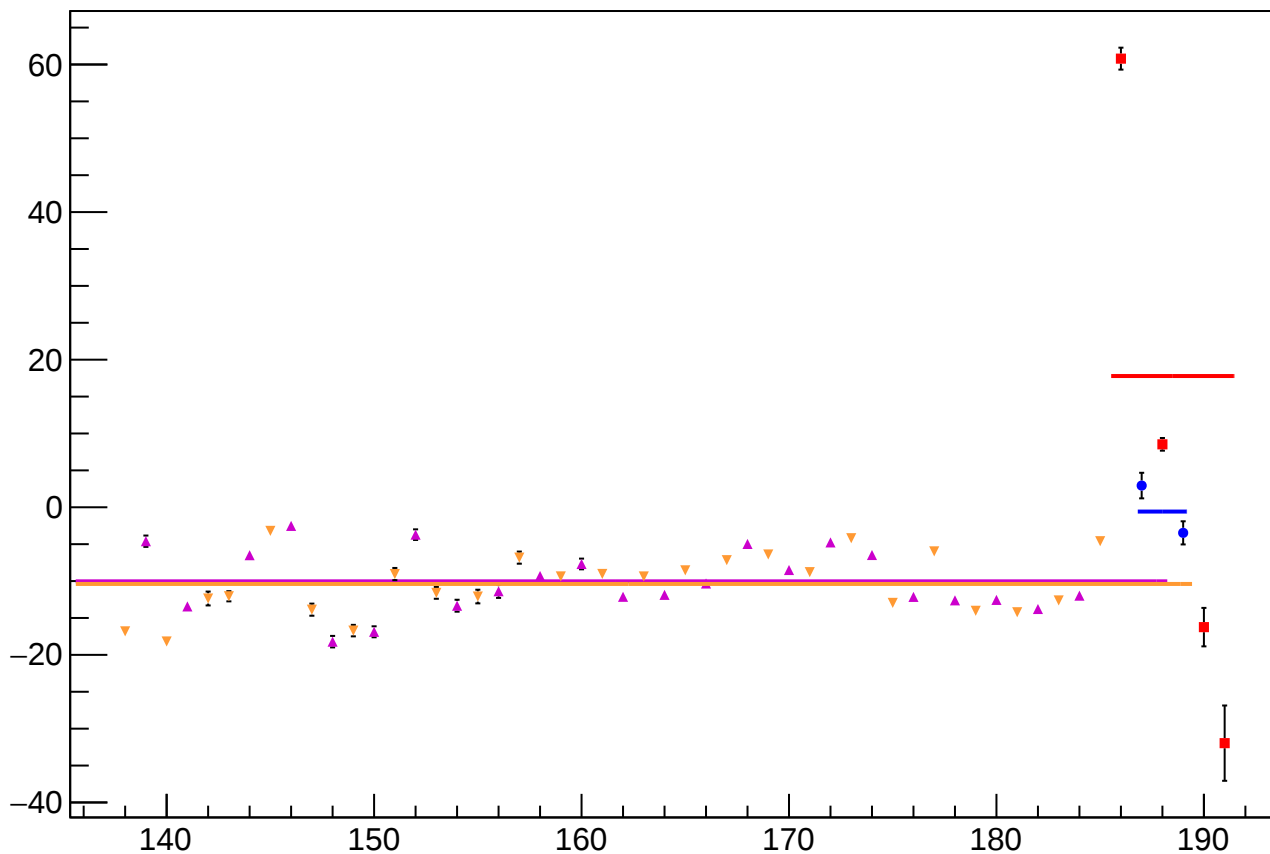
Right: -0.169 ± 0.008 $\chi^2/\text{NDF}: 1680.5/41$

In: -0.120 ± 0.002 $\chi^2/\text{NDF}: 1205.1/41$

Out: -0.122 ± 0.002 $\chi^2/\text{NDF}: 1768.9/47$

All: -0.121 ± 0.001 $\chi^2/\text{NDF}: 2974.3/89$

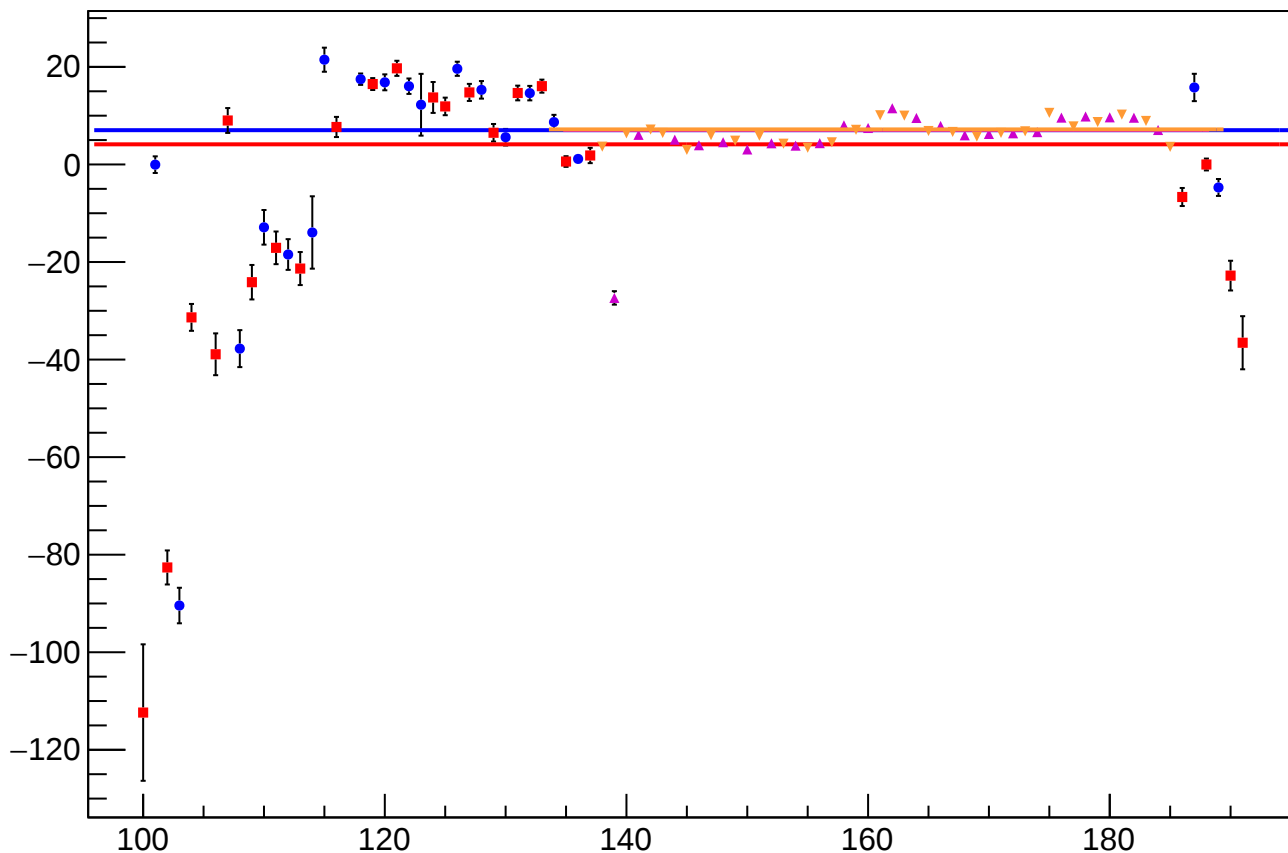
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.582 ± 1.163 $\chi^2/\text{NDF}: 7.5/1$
 Left Out: -10.391 ± 0.088 $\chi^2/\text{NDF}: 2111.6/24$
 Right Out: 17.784 ± 0.708 $\chi^2/\text{NDF}: 1218.6/3$
 Left In: -10.036 ± 0.090 $\chi^2/\text{NDF}: 1758.7/22$

Left: -10.217 ± 0.063 $\chi^2/\text{NDF}: 3878.3/47$
 Right: 12.812 ± 0.605 $\chi^2/\text{NDF}: 1408.2/5$
 In: -9.980 ± 0.089 $\chi^2/\text{NDF}: 1831.9/24$
 Out: -9.964 ± 0.087 $\chi^2/\text{NDF}: 4888.5/28$
 All: -9.972 ± 0.062 $\chi^2/\text{NDF}: 6720.5/53$

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.027 ± 0.392 χ^2/NDF : 1397.4/18

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: 4.127 ± 0.395 χ^2/NDF : 1711.2/22

Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

Left: 7.119 ± 0.052 χ^2/NDF : 2454.8/47

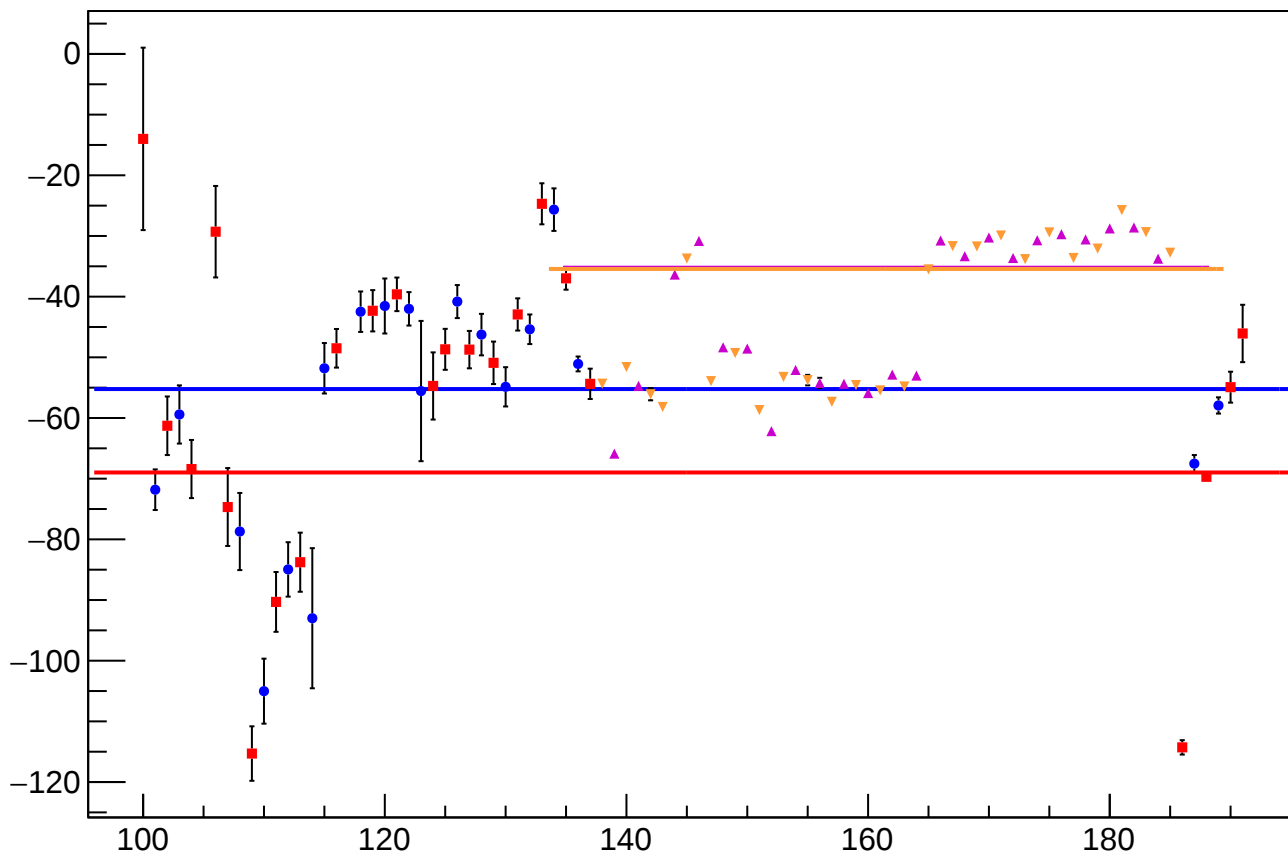
Right: 5.588 ± 0.279 χ^2/NDF : 3135.7/41

In: 7.052 ± 0.073 χ^2/NDF : 2933.3/41

Out: 7.082 ± 0.072 χ^2/NDF : 2686.3/47

All: 7.067 ± 0.051 χ^2/NDF : 5619.7/89

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -55.230 ± 0.590 $\chi^2/\text{NDF}: 439.9/18$
 Left Out: -35.434 ± 0.089 $\chi^2/\text{NDF}: 12782.8/24$
 Right Out: -68.979 ± 0.469 $\chi^2/\text{NDF}: 2609.4/22$
 Left In: -35.229 ± 0.090 $\chi^2/\text{NDF}: 11602.9/22$

Left: -35.333 ± 0.063 $\chi^2/\text{NDF}: 24388.3/47$

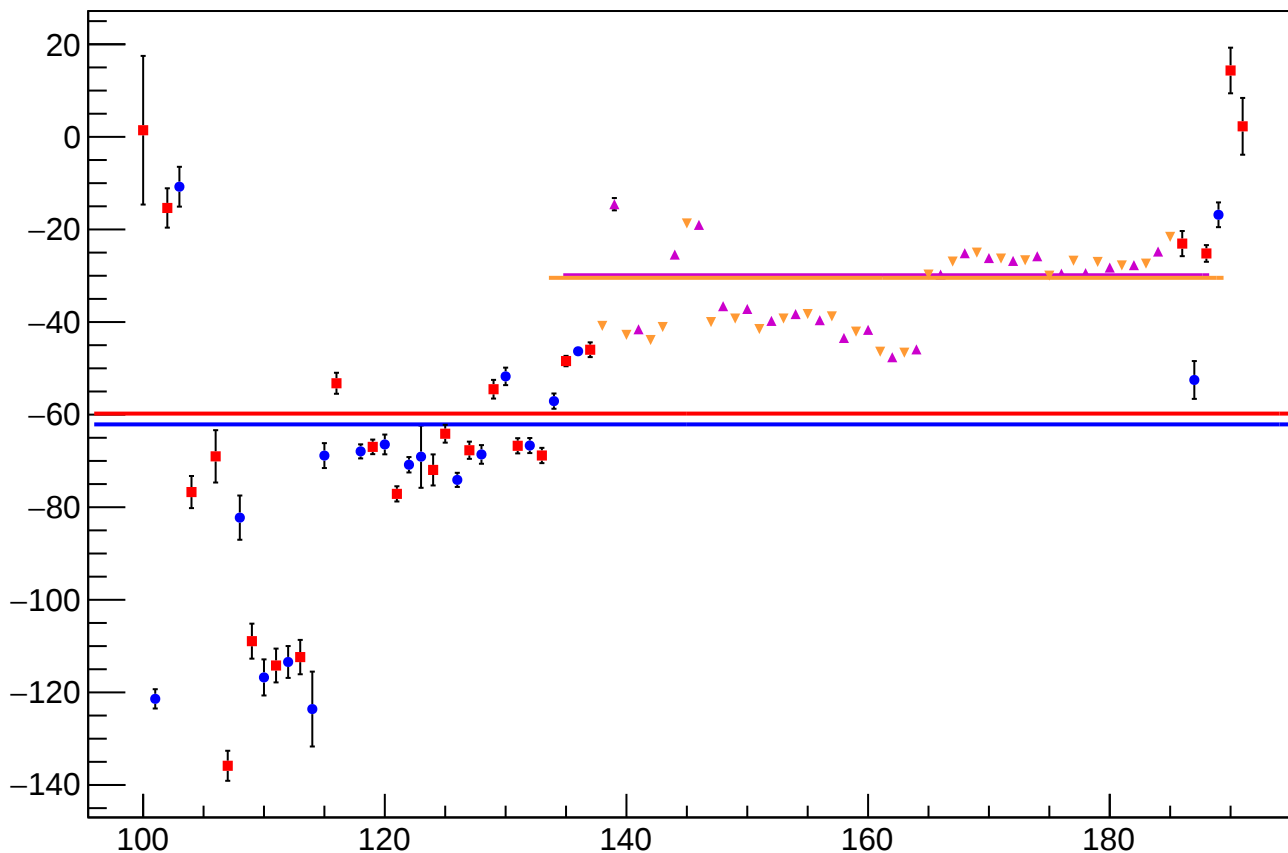
Right: -63.664 ± 0.367 $\chi^2/\text{NDF}: 3382.1/41$

In: -35.684 ± 0.089 $\chi^2/\text{NDF}: 13165.1/41$

Out: -36.603 ± 0.087 $\chi^2/\text{NDF}: 20339.3/47$

All: -36.152 ± 0.062 $\chi^2/\text{NDF}: 33558.5/89$

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -62.108 $\pm$ 0.440 χ^2 /NDF: 2308.0/18

Left Out: -30.448 $\pm$ 0.082 χ^2 /NDF: 8167.7/24

Right Out: -59.775 $\pm$ 0.457 χ^2 /NDF: 2580.4/22

Left In: -29.892 $\pm$ 0.083 χ^2 /NDF: 7115.0/22

Left: -30.174 $\pm$ 0.058 χ^2 /NDF: 15305.7/47

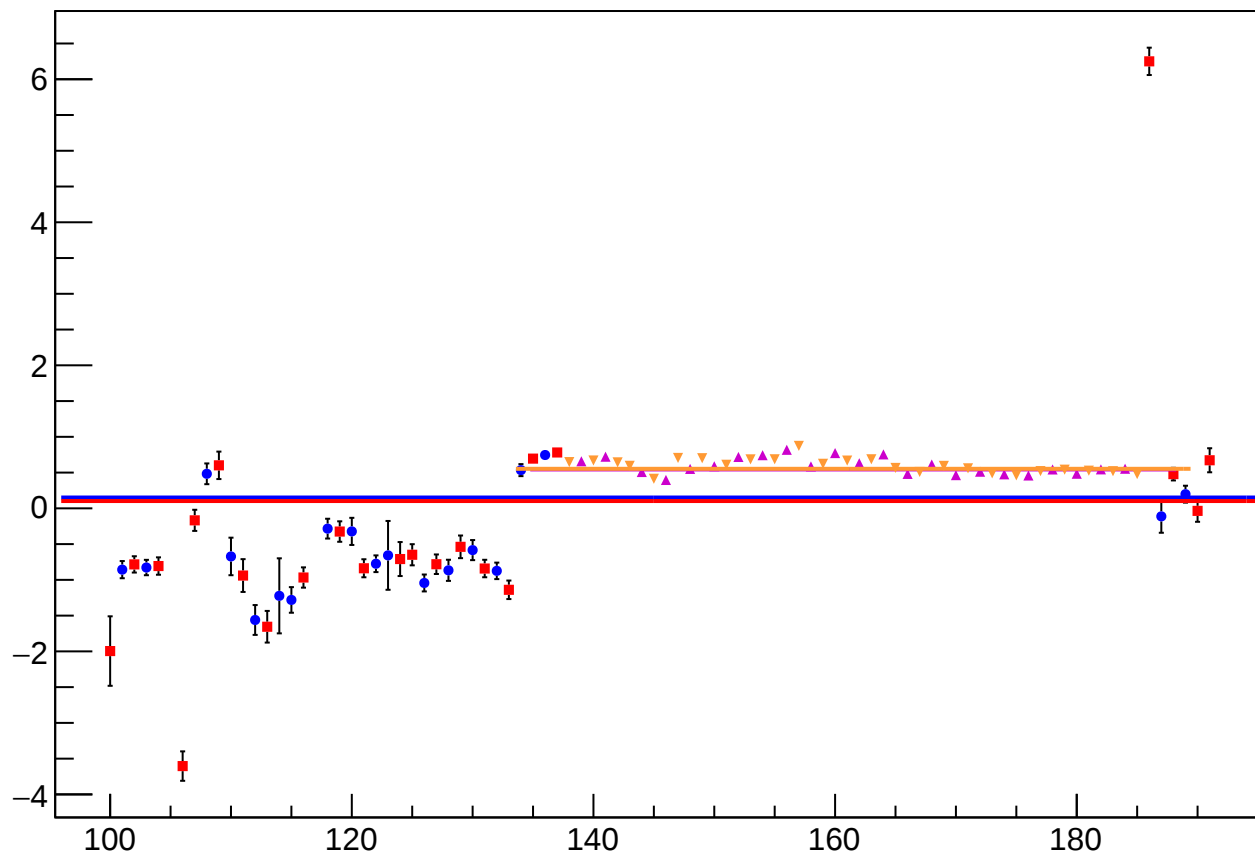
Right: -60.986 $\pm$ 0.317 χ^2 /NDF: 4901.9/41

In: -30.986 $\pm$ 0.081 χ^2 /NDF: 14591.5/41

Out: -31.351 $\pm$ 0.080 χ^2 /NDF: 14735.0/47

All: -31.171 $\pm$ 0.057 χ^2 /NDF: 29336.8/89

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.151+/-0.023 χ^2/NDF : 988.8/18

Left Out: 0.553+/-0.004 χ^2/NDF : 542.1/24

Right Out: 0.102+/-0.024 χ^2/NDF : 2262.0/22

Left In: 0.544+/-0.004 χ^2/NDF : 655.9/22

Left: 0.548+/-0.003 χ^2/NDF : 1200.9/47

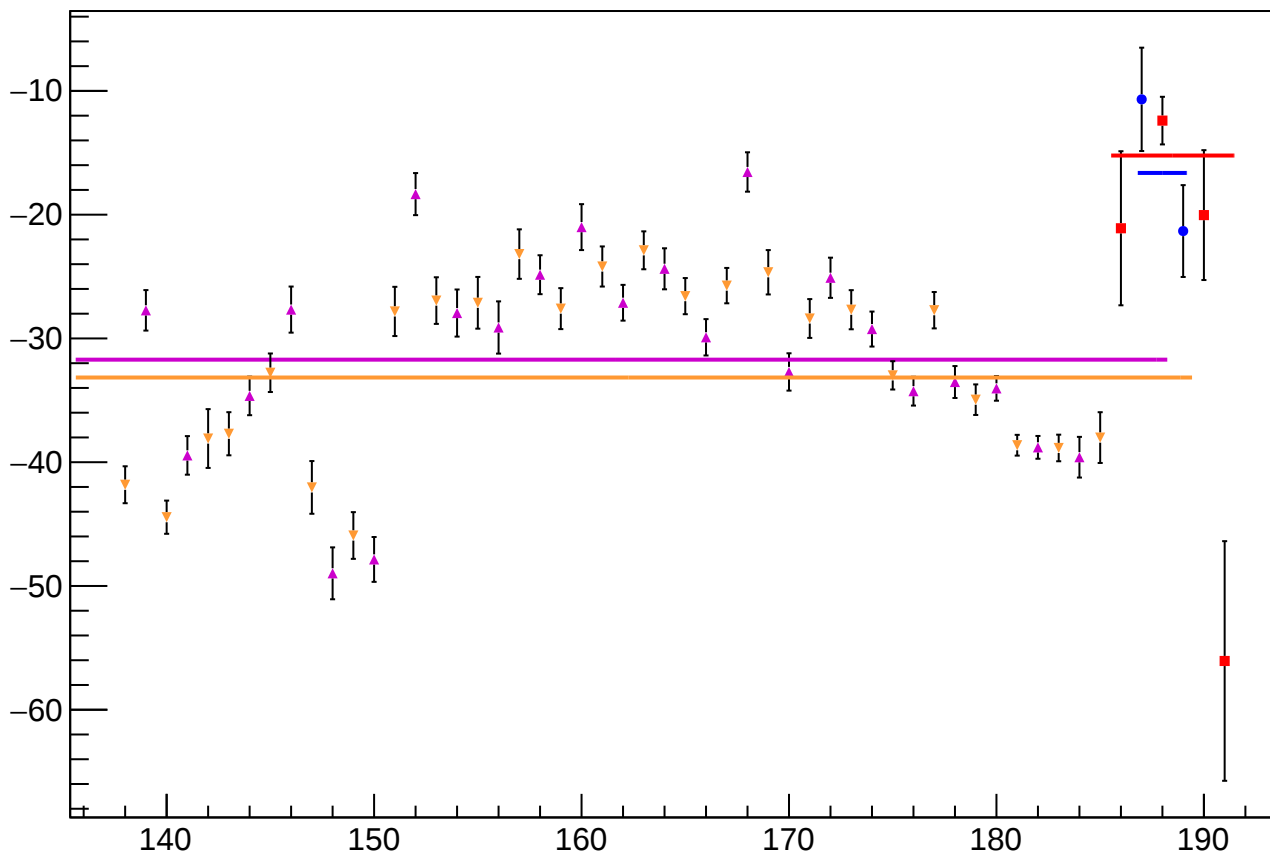
Right: 0.128+/-0.017 χ^2/NDF : 3253.0/41

In: 0.534+/-0.004 χ^2/NDF : 1917.6/41

Out: 0.543+/-0.004 χ^2/NDF : 3137.2/47

All: 0.538+/-0.003 χ^2/NDF : 5057.7/89

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



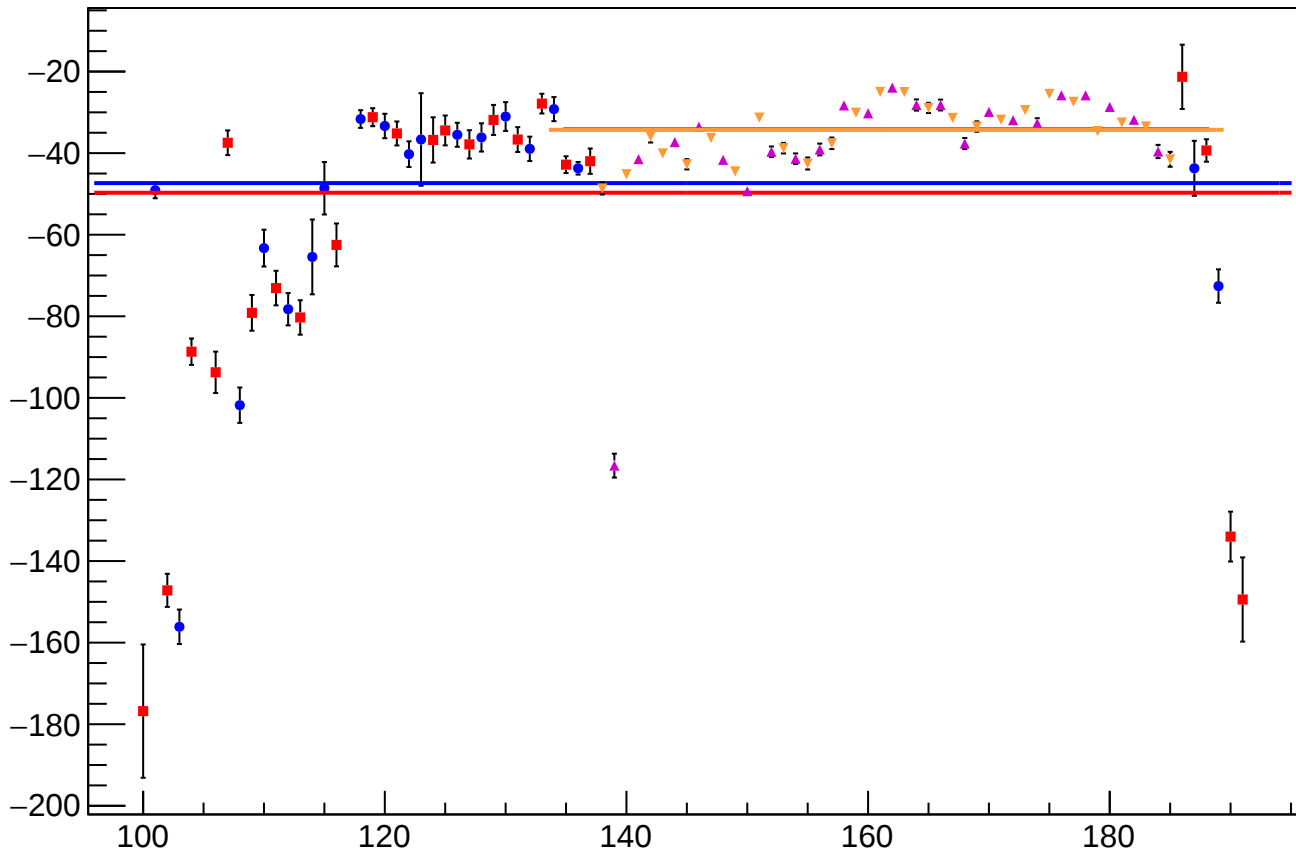
Right In: -16.628 ± 2.774 χ^2/NDF : 3.6/1
 Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24
 Right Out: -15.221 ± 1.708 χ^2/NDF : 21.7/3
 Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

Left: -32.456 ± 0.215 χ^2/NDF : 1053.6/47
 Right: -15.608 ± 1.454 χ^2/NDF : 25.5/5

In: -31.530 ± 0.307 χ^2/NDF : 575.1/24
 Out: -32.619 ± 0.296 χ^2/NDF : 628.8/28

All: -32.095 ± 0.213 χ^2/NDF : 1210.4/53

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -47.347 ± 0.715 χ^2/NDF : 1115.3/18

Left Out: -34.287 ± 0.241 χ^2/NDF : 695.3/24

Right Out: -49.704 ± 0.726 χ^2/NDF : 1589.4/22

Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

Left: -34.219 ± 0.174 χ^2/NDF : 2148.1/47

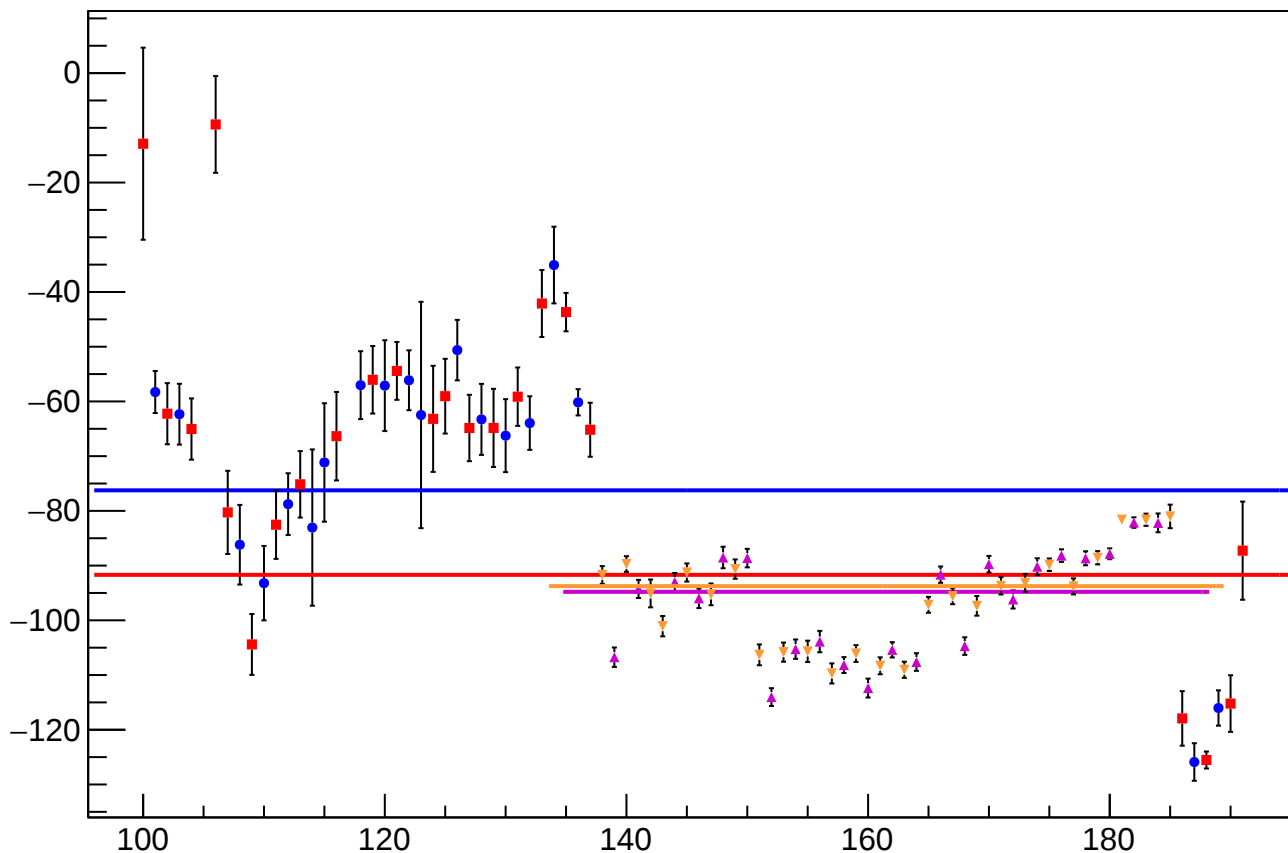
Right: -48.507 ± 0.510 χ^2/NDF : 2710.1/41

In: -35.591 ± 0.237 χ^2/NDF : 2871.4/41

Out: -35.821 ± 0.229 χ^2/NDF : 2690.3/47

All: -35.710 ± 0.165 χ^2/NDF : 5562.2/89

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.246 ± 1.149 $\chi^2/\text{NDF}: 540.8/18$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -91.689 ± 0.986 $\chi^2/\text{NDF}: 1176.4/22$

Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

Left: -94.264 ± 0.216 $\chi^2/\text{NDF}: 1863.6/47$

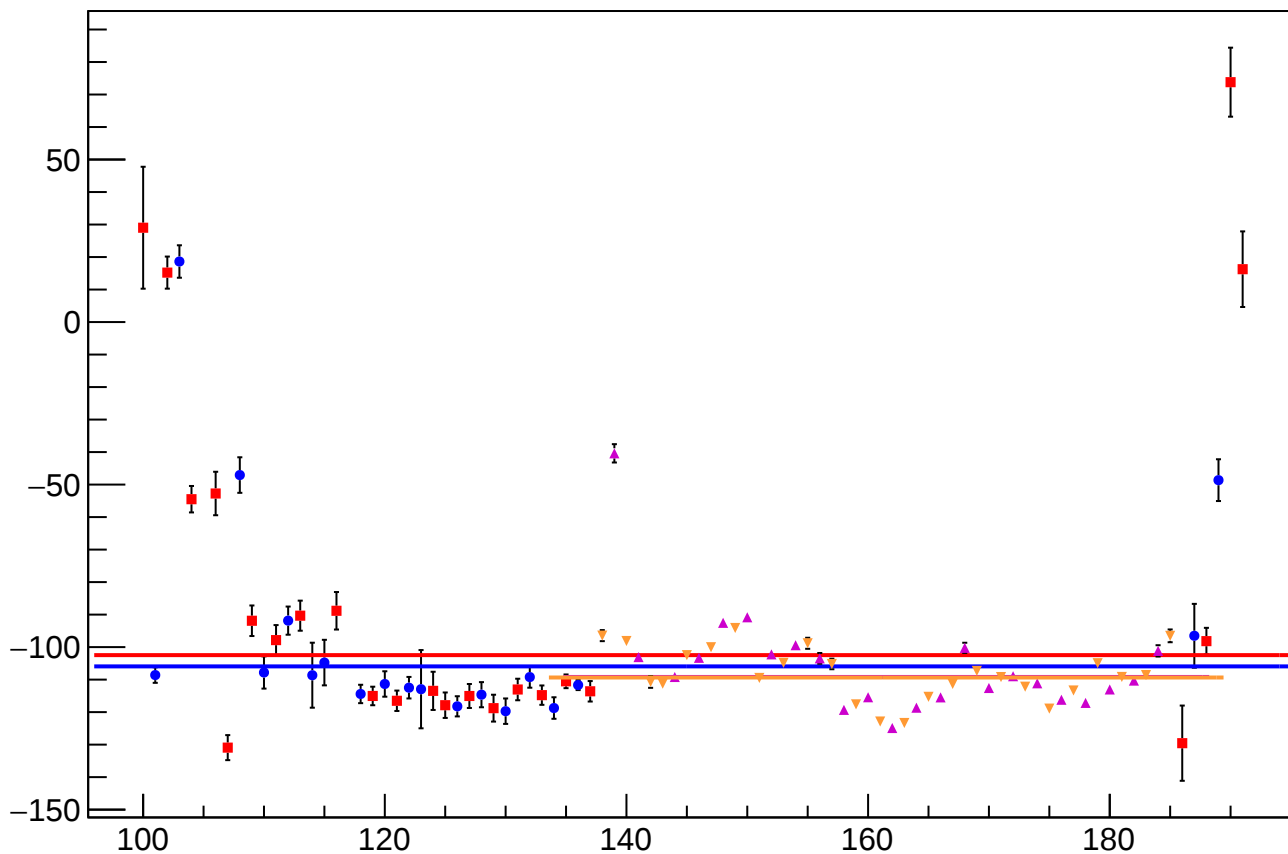
Right: -85.140 ± 0.748 $\chi^2/\text{NDF}: 1821.2/41$

In: -93.549 ± 0.298 $\chi^2/\text{NDF}: 1758.6/41$

Out: -93.577 ± 0.289 $\chi^2/\text{NDF}: 2063.4/47$

All: -93.564 ± 0.207 $\chi^2/\text{NDF}: 3822.1/89$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.932 ± 0.809 χ^2/NDF : 908.6/18

Left Out: -109.351 ± 0.271 χ^2/NDF : 826.8/24

Right Out: -102.466 ± 0.837 χ^2/NDF : 1411.6/22

Left In: -109.184 ± 0.280 χ^2/NDF : 1501.1/22

Left: -109.270 ± 0.195 χ^2/NDF : 2328.1/47

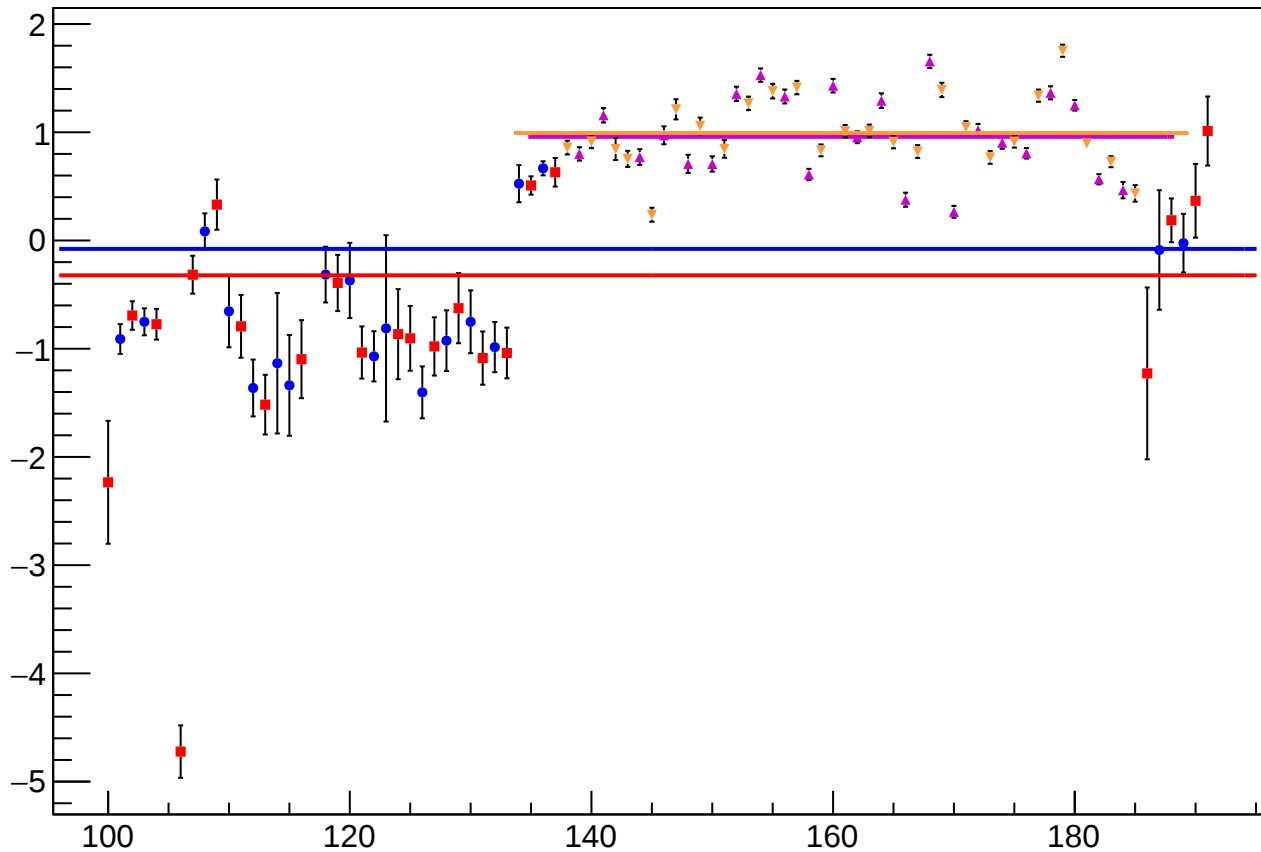
Right: -104.258 ± 0.582 χ^2/NDF : 2329.1/41

In: -108.836 ± 0.265 χ^2/NDF : 2424.2/41

Out: -108.697 ± 0.258 χ^2/NDF : 2299.7/47

All: -108.765 ± 0.185 χ^2/NDF : 4724.0/89

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.078 ± 0.042 χ^2/NDF : 328.6/18

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: -0.322 ± 0.042 χ^2/NDF : 611.1/22

Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

Left: 0.976 ± 0.009 χ^2/NDF : 1537.0/47

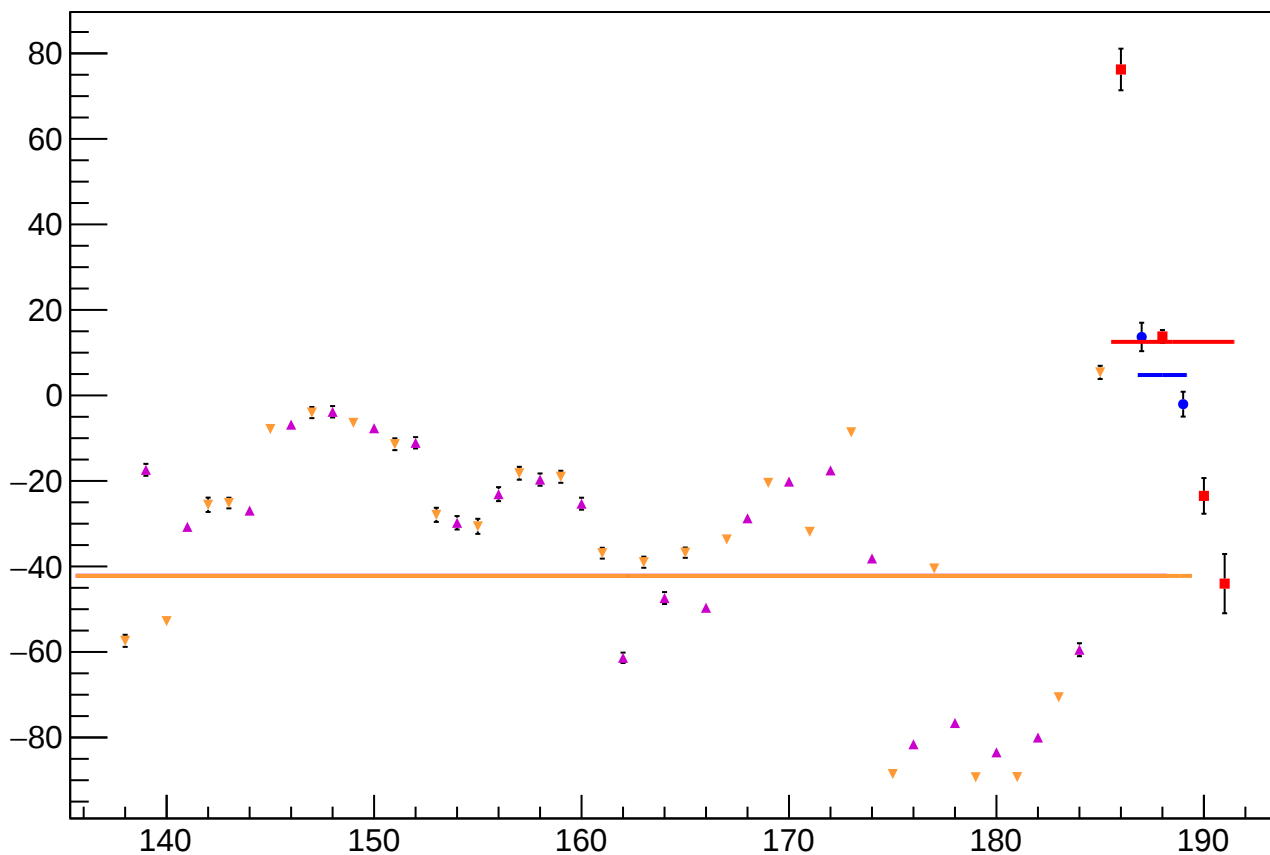
Right: -0.198 ± 0.030 χ^2/NDF : 956.7/41

In: 0.870 ± 0.012 χ^2/NDF : 1788.6/41

Out: 0.889 ± 0.012 χ^2/NDF : 2141.0/47

All: 0.880 ± 0.008 χ^2/NDF : 3930.7/89

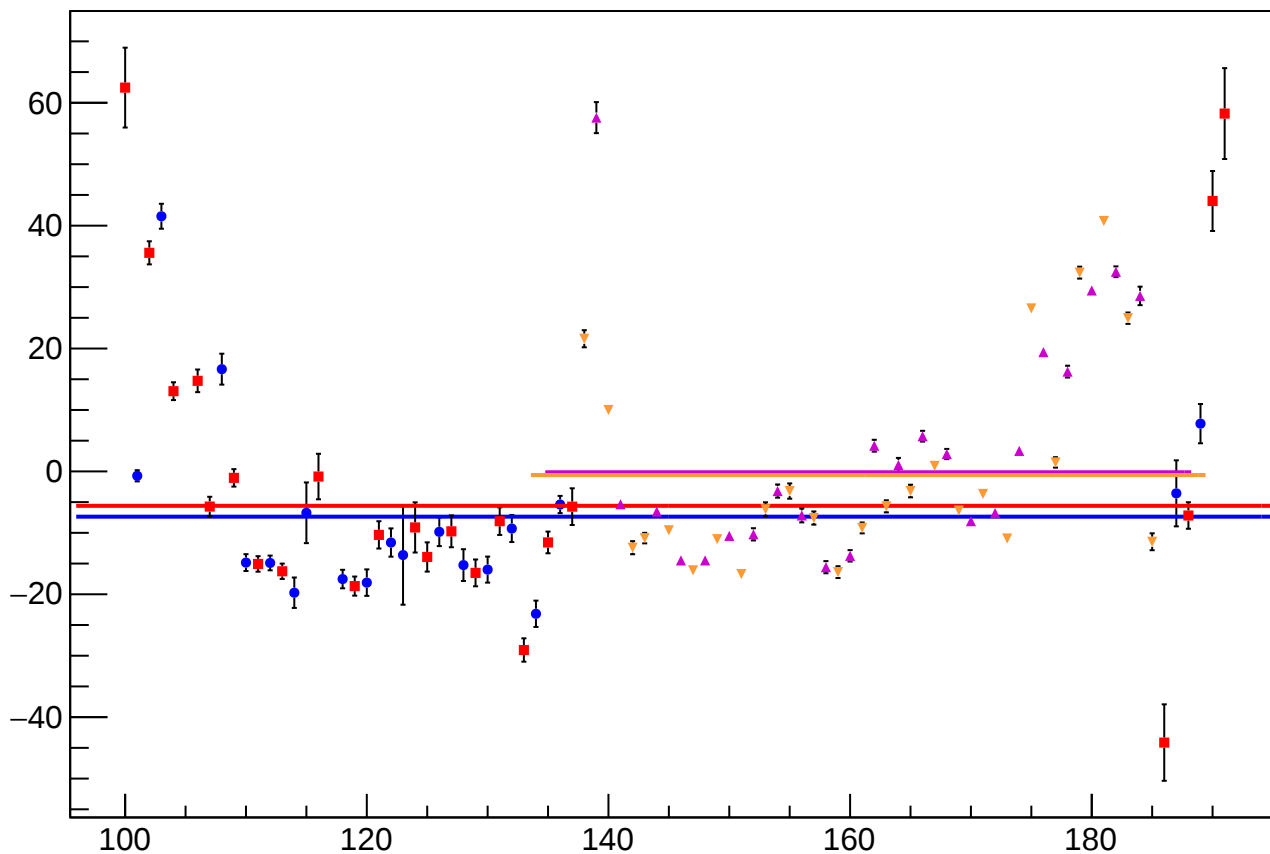
reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.771+/-2.188 χ^2/NDF : 12.7/1
 Left Out: -42.213+/-0.222 χ^2/NDF :18309.1/24
 Right Out: 12.529+/-1.336 χ^2/NDF : 313.1/3
 Left In: -42.176+/-0.227 χ^2/NDF :14575.9/22

Left: -42.195+/-0.159 χ^2/NDF : 32885.0/47
 Right: 10.423+/-1.140 χ^2/NDF : 334.9/5
 In: -41.676+/-0.226 χ^2/NDF :15043.9/24
 Out: -40.742+/-0.219 χ^2/NDF :20256.2/28
 All: -41.194+/-0.157 χ^2/NDF : 35309.0/53

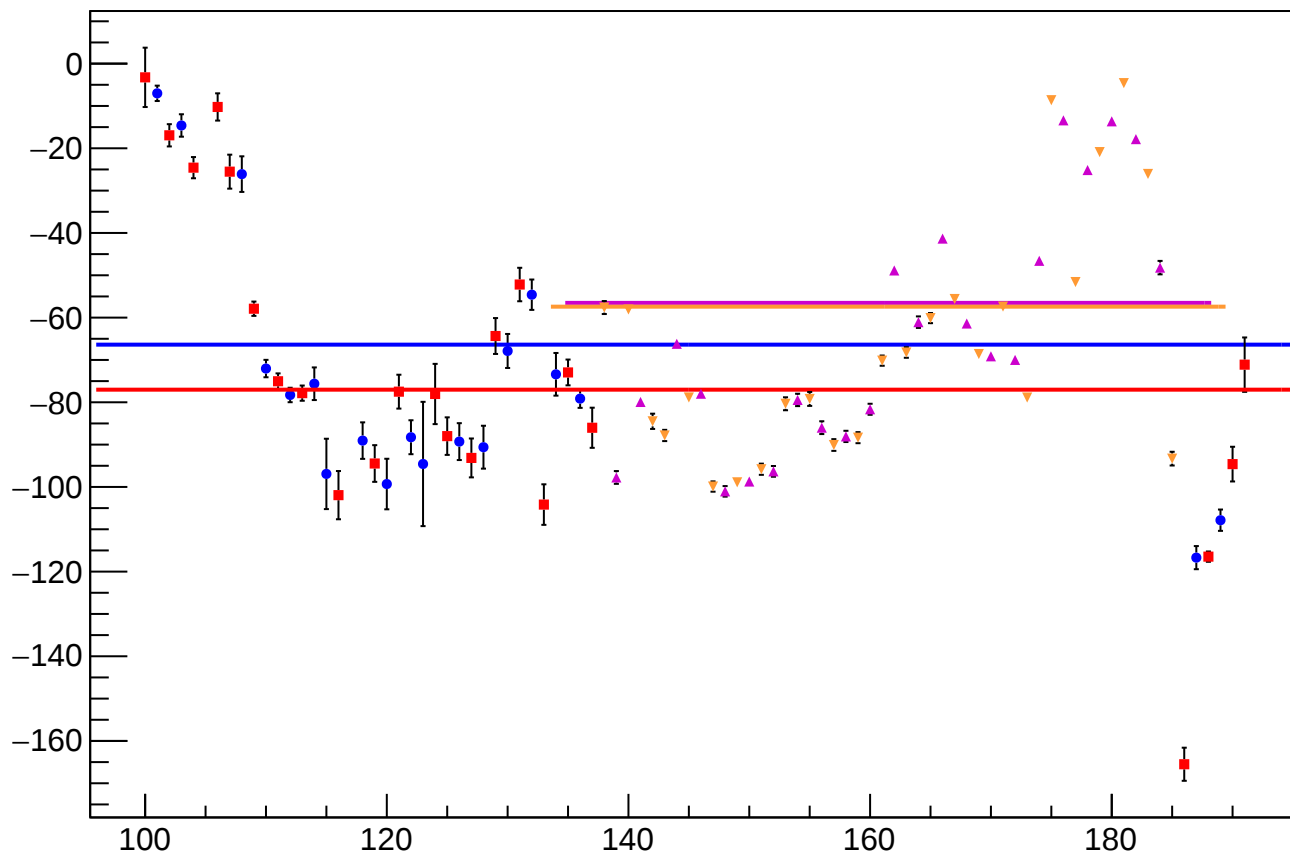
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.368 ± 0.426 $\chi^2/\text{NDF}: 999.3/18$
 Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$
 Right Out: -5.601 ± 0.418 $\chi^2/\text{NDF}: 1515.9/22$
 Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

Left: -0.372 ± 0.125 $\chi^2/\text{NDF}: 15616.6/47$
 Right: -6.468 ± 0.298 $\chi^2/\text{NDF}: 2524.0/41$
 In: -1.230 ± 0.165 $\chi^2/\text{NDF}: 8106.8/41$
 Out: -1.332 ± 0.161 $\chi^2/\text{NDF}: 10389.3/47$
 All: -1.282 ± 0.115 $\chi^2/\text{NDF}: 18496.3/89$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.385 $\pm$ 0.693 χ^2 /NDF: 2416.1/18

Left Out: -57.413 $\pm$ 0.223 χ^2 /NDF:18604.1/24

Right Out: -77.021 $\pm$ 0.594 χ^2 /NDF: 3514.8/22

Left In: -56.519 $\pm$ 0.227 χ^2 /NDF:16352.6/22

Left: -56.974 $\pm$ 0.159 χ^2 /NDF: 34964.5/47

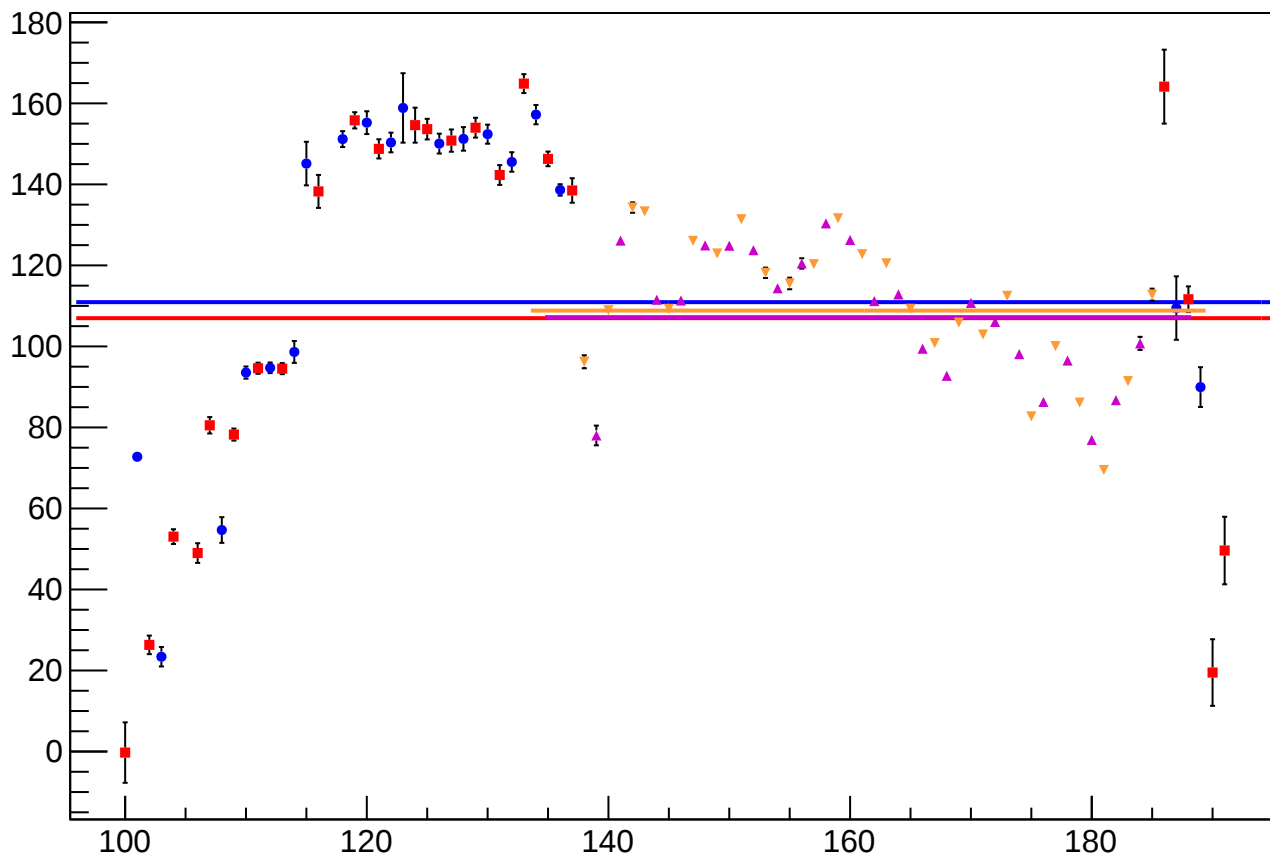
Right: -72.516 $\pm$ 0.451 χ^2 /NDF: 6066.7/41

In: -57.476 $\pm$ 0.216 χ^2 /NDF:18951.7/41

Out: -59.840 $\pm$ 0.209 χ^2 /NDF:23074.0/47

All: -58.696 $\pm$ 0.150 χ^2 /NDF: 42087.6/89

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 110.925 $\pm$ 0.487 χ^2 /NDF: 5882.0/18

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 106.971 $\pm$ 0.480 χ^2 /NDF: 7245.2/22

Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

Left: 108.056 $\pm$ 0.141 χ^2 /NDF: 12998.4/47

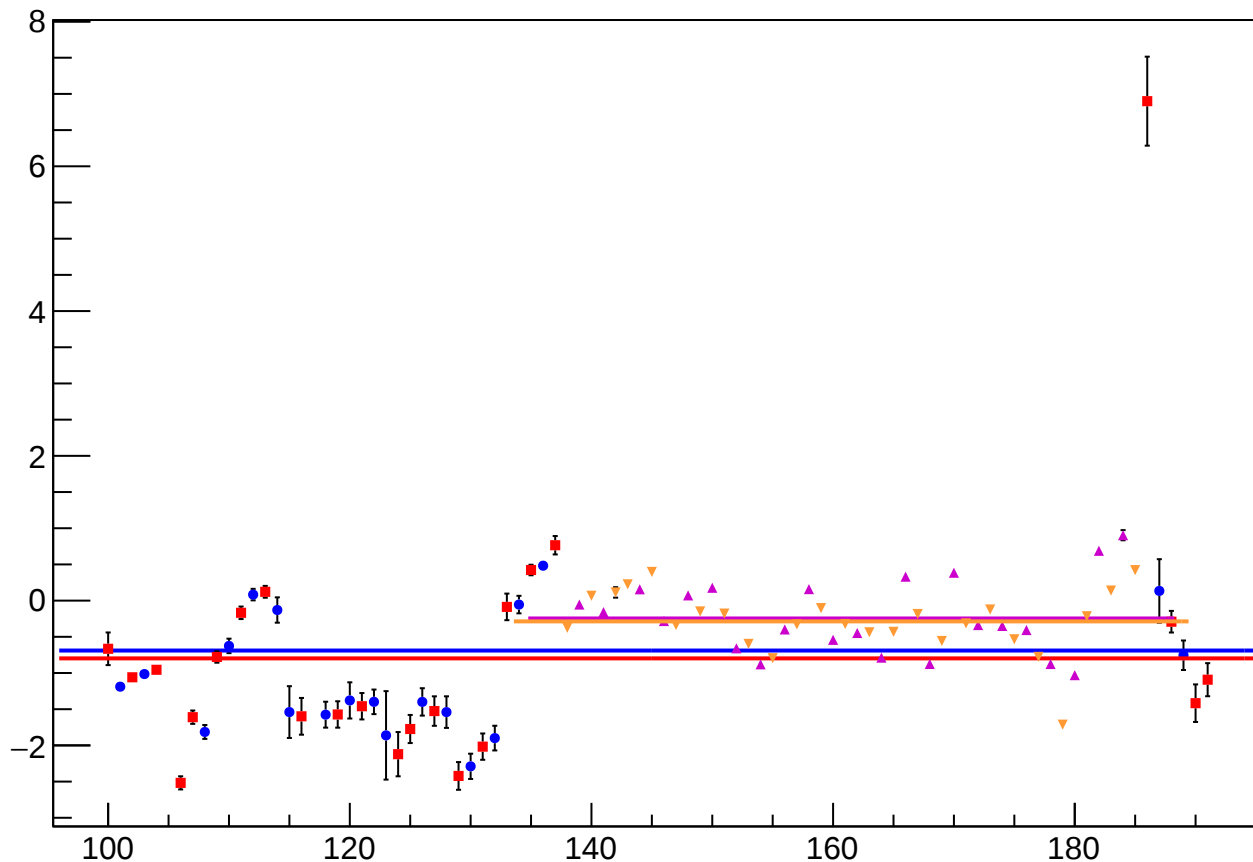
Right: 108.922 $\pm$ 0.342 χ^2 /NDF: 13160.6/41

In: 107.771 $\pm$ 0.187 χ^2 /NDF: 11496.6/41

Out: 108.575 $\pm$ 0.182 χ^2 /NDF: 14658.4/47

All: 108.182 $\pm$ 0.131 χ^2 /NDF: 26164.5/89

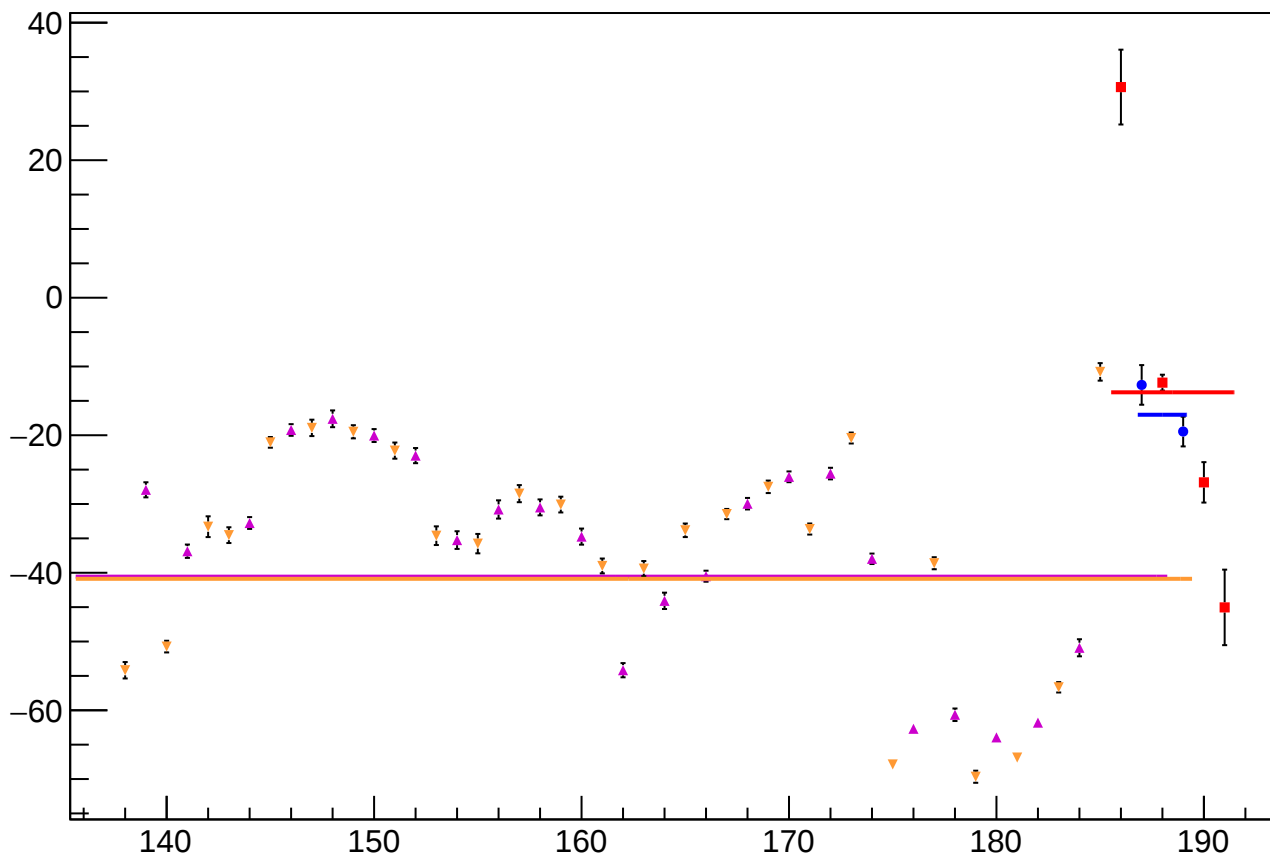
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.690 ± 0.026 $\chi^2/\text{NDF}: 992.5/18$
 Left Out: -0.287 ± 0.009 $\chi^2/\text{NDF}: 2052.9/24$
 Right Out: -0.798 ± 0.024 $\chi^2/\text{NDF}: 1478.7/22$
 Left In: -0.247 ± 0.009 $\chi^2/\text{NDF}: 2792.8/22$

Left: -0.267 ± 0.006 $\chi^2/\text{NDF}: 4855.3/47$
 Right: -0.748 ± 0.017 $\chi^2/\text{NDF}: 2480.9/41$
 In: -0.298 ± 0.009 $\chi^2/\text{NDF}: 4050.1/41$
 Out: -0.352 ± 0.008 $\chi^2/\text{NDF}: 3934.1/47$
 All: -0.325 ± 0.006 $\chi^2/\text{NDF}: 8003.8/89$

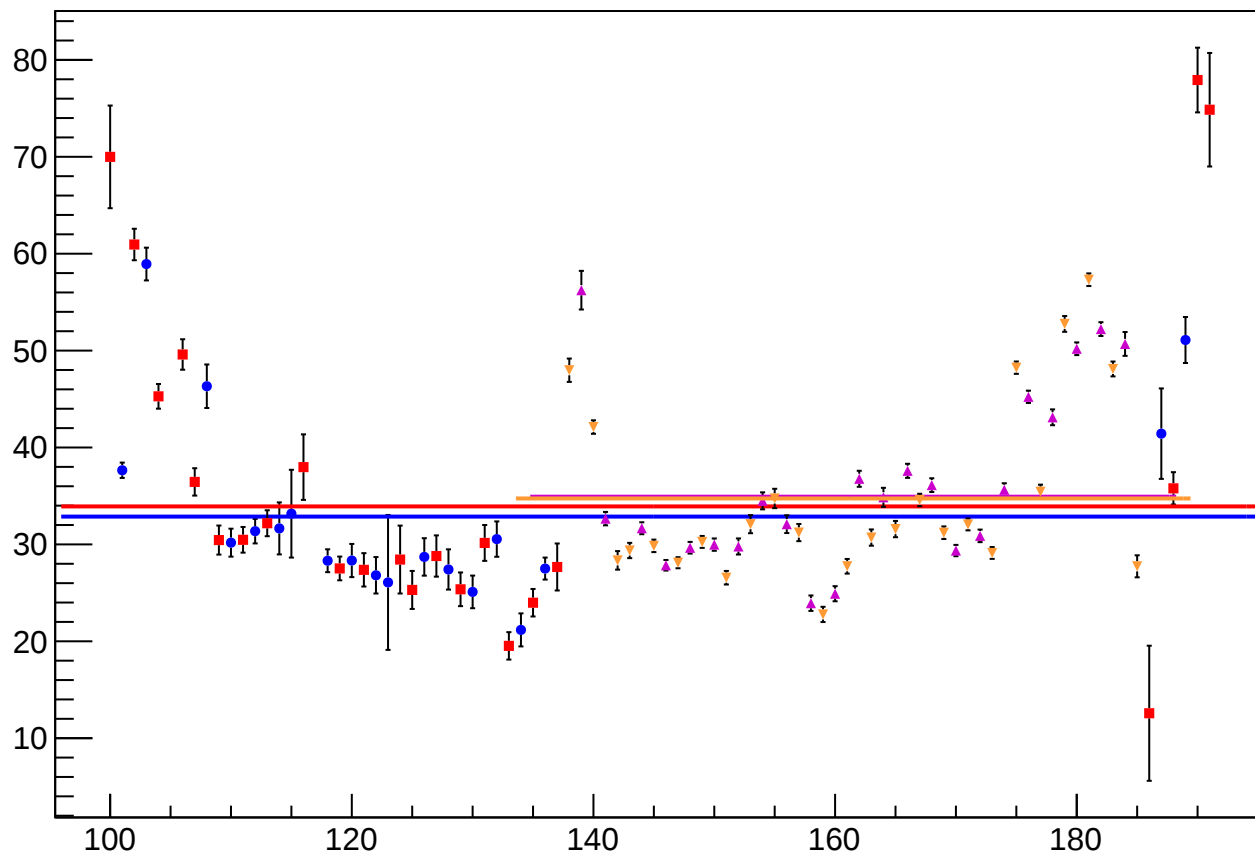
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.020 ± 1.730 χ^2/NDF : 3.5/1
 Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24
 Right Out: -13.757 ± 1.036 χ^2/NDF : 120.3/3
 Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

Left: -40.726 ± 0.133 χ^2/NDF : 16079.4/47
 Right: -14.618 ± 0.889 χ^2/NDF : 126.5/5
 In: -40.287 ± 0.189 χ^2/NDF : 7141.3/24
 Out: -40.031 ± 0.183 χ^2/NDF : 9908.0/28
 All: -40.155 ± 0.131 χ^2/NDF : 17050.2/53

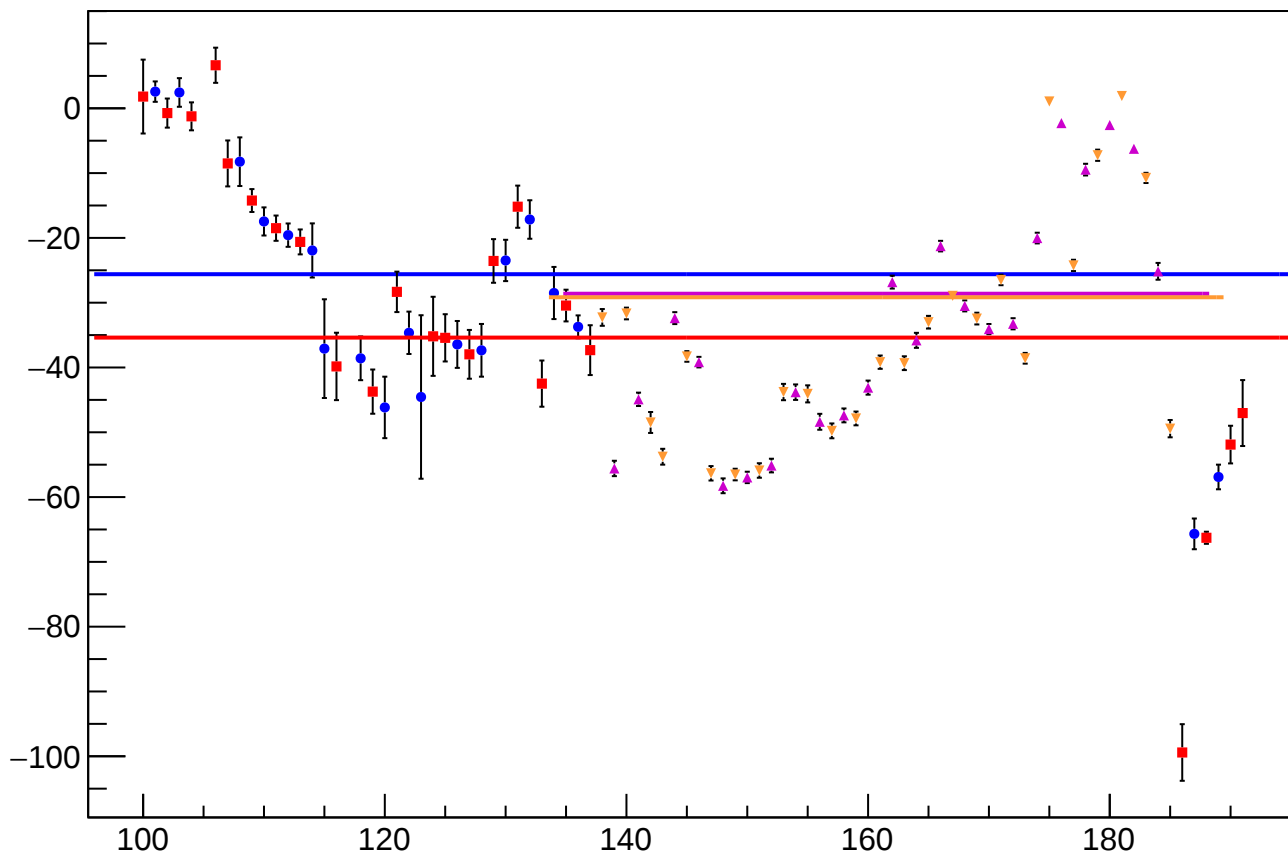
reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.870 ± 0.370 $\chi^2/\text{NDF}: 514.8/18$
 Left Out: 34.741 ± 0.147 $\chi^2/\text{NDF}: 3693.2/24$
 Right Out: 33.919 ± 0.366 $\chi^2/\text{NDF}: 1010.5/22$
 Left In: 34.922 ± 0.152 $\chi^2/\text{NDF}: 2672.9/22$

Left: 34.829 ± 0.106 $\chi^2/\text{NDF}: 6366.8/47$
 Right: 33.400 ± 0.260 $\chi^2/\text{NDF}: 1529.4/41$
 In: 34.628 ± 0.140 $\chi^2/\text{NDF}: 3214.0/41$
 Out: 34.626 ± 0.137 $\chi^2/\text{NDF}: 4708.0/47$
 All: 34.627 ± 0.098 $\chi^2/\text{NDF}: 7922.0/89$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.603 ± 0.610 χ^2/NDF : 1178.9/18

Left Out: -29.163 ± 0.187 χ^2/NDF : 10126.0/24

Right Out: -35.386 ± 0.516 χ^2/NDF : 2523.4/22

Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

Left: -28.894 ± 0.133 χ^2/NDF : 19171.1/47

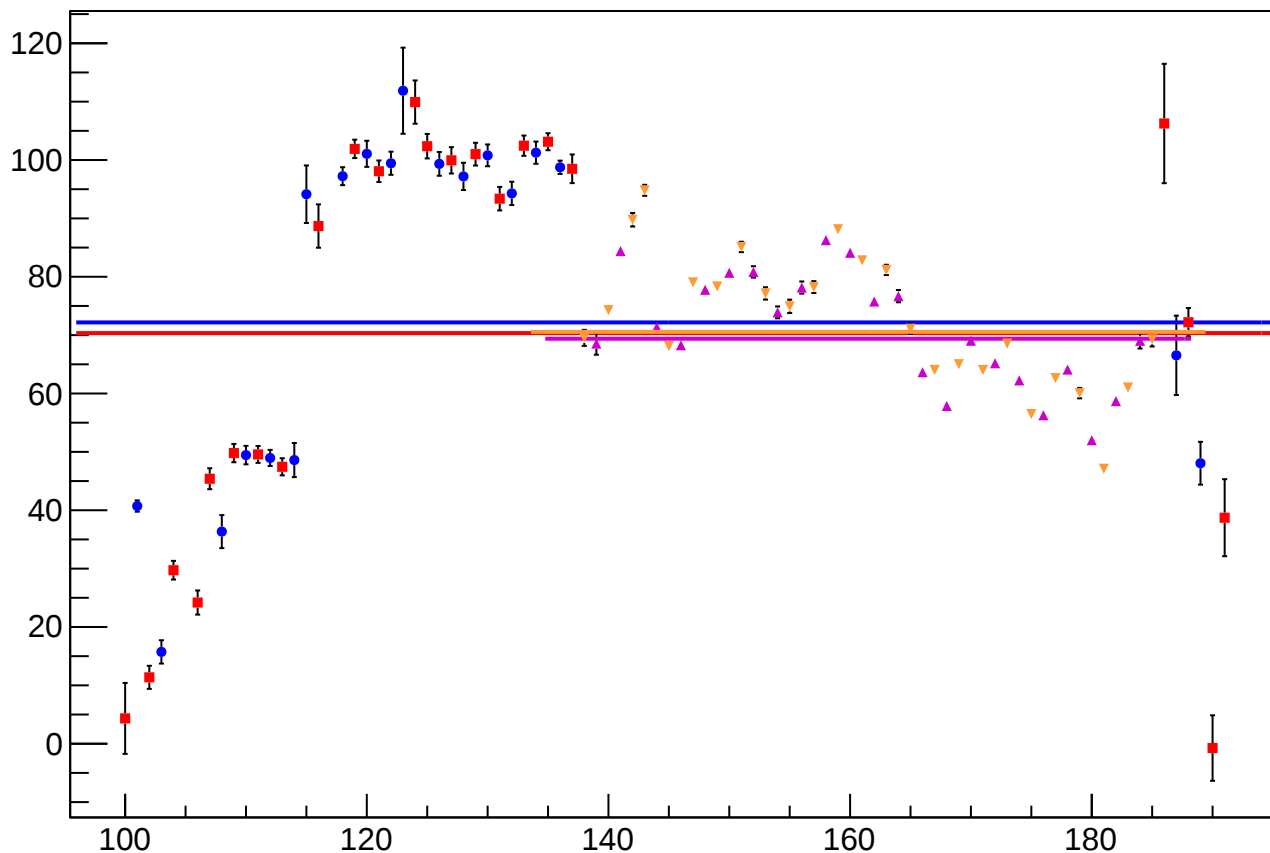
Right: -31.307 ± 0.394 χ^2/NDF : 3852.4/41

In: -28.350 ± 0.181 χ^2/NDF : 10242.0/41

Out: -29.887 ± 0.176 χ^2/NDF : 12778.2/47

All: -29.142 ± 0.126 χ^2/NDF : 23057.2/89

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.176 $\pm$ 0.425 χ^2 /NDF: 4716.8/18

Left Out: 70.563 $\pm$ 0.166 χ^2 /NDF:4589.1/24

Right Out: 70.352 $\pm$ 0.425 χ^2 /NDF: 5692.1/22

Left In: 69.387 $\pm$ 0.170 χ^2 /NDF:3321.8/22

Left: 69.989 $\pm$ 0.119 χ^2 /NDF: 7935.4/47

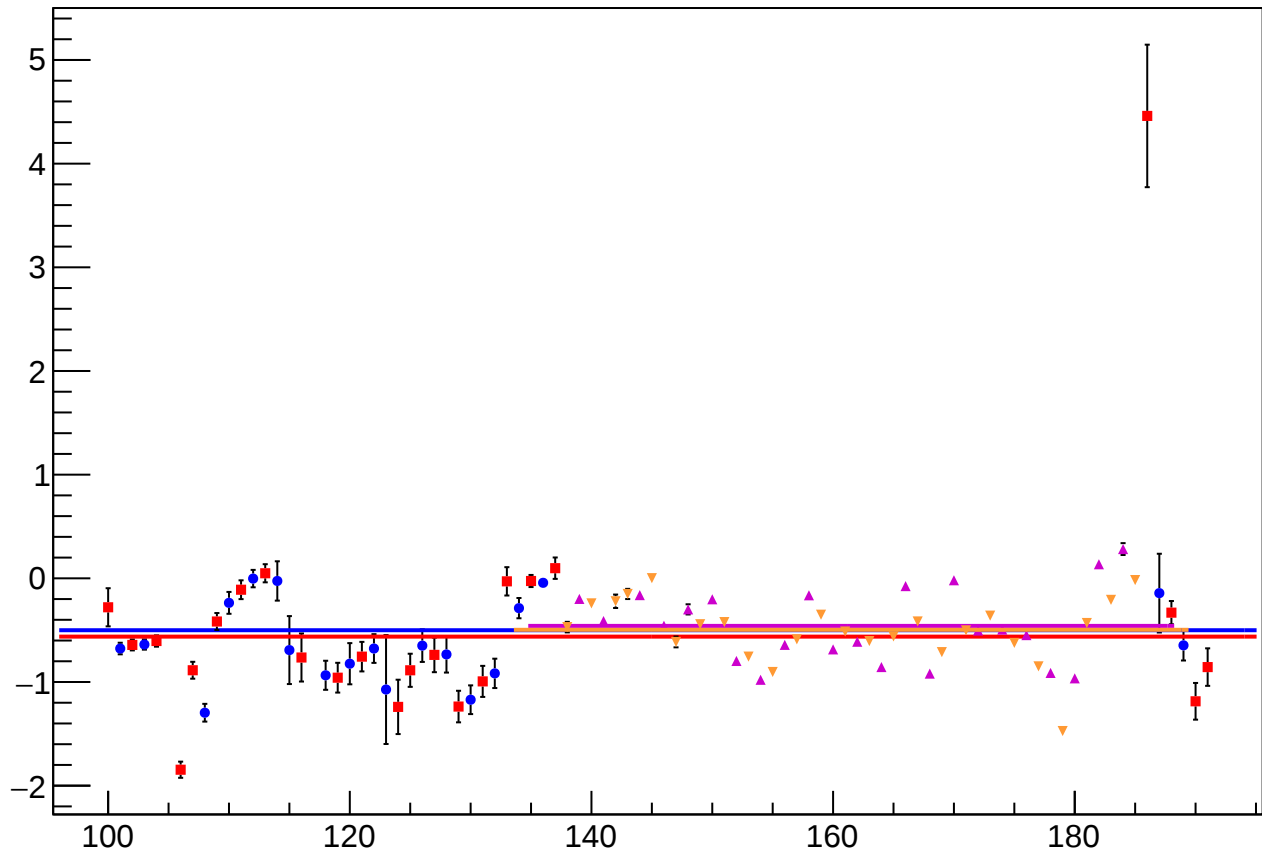
Right: 71.262 $\pm$ 0.300 χ^2 /NDF: 10418.2/41

In: 69.772 $\pm$ 0.158 χ^2 /NDF:8075.7/41

Out: 70.535 $\pm$ 0.155 χ^2 /NDF:10281.5/47

All: 70.161 $\pm$ 0.111 χ^2 /NDF: 18369.1/89

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.501 ± 0.022 χ^2/NDF : 304.0/18

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.562 ± 0.021 χ^2/NDF : 633.0/22

Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

Left: -0.478 ± 0.005 χ^2/NDF : 3419.9/47

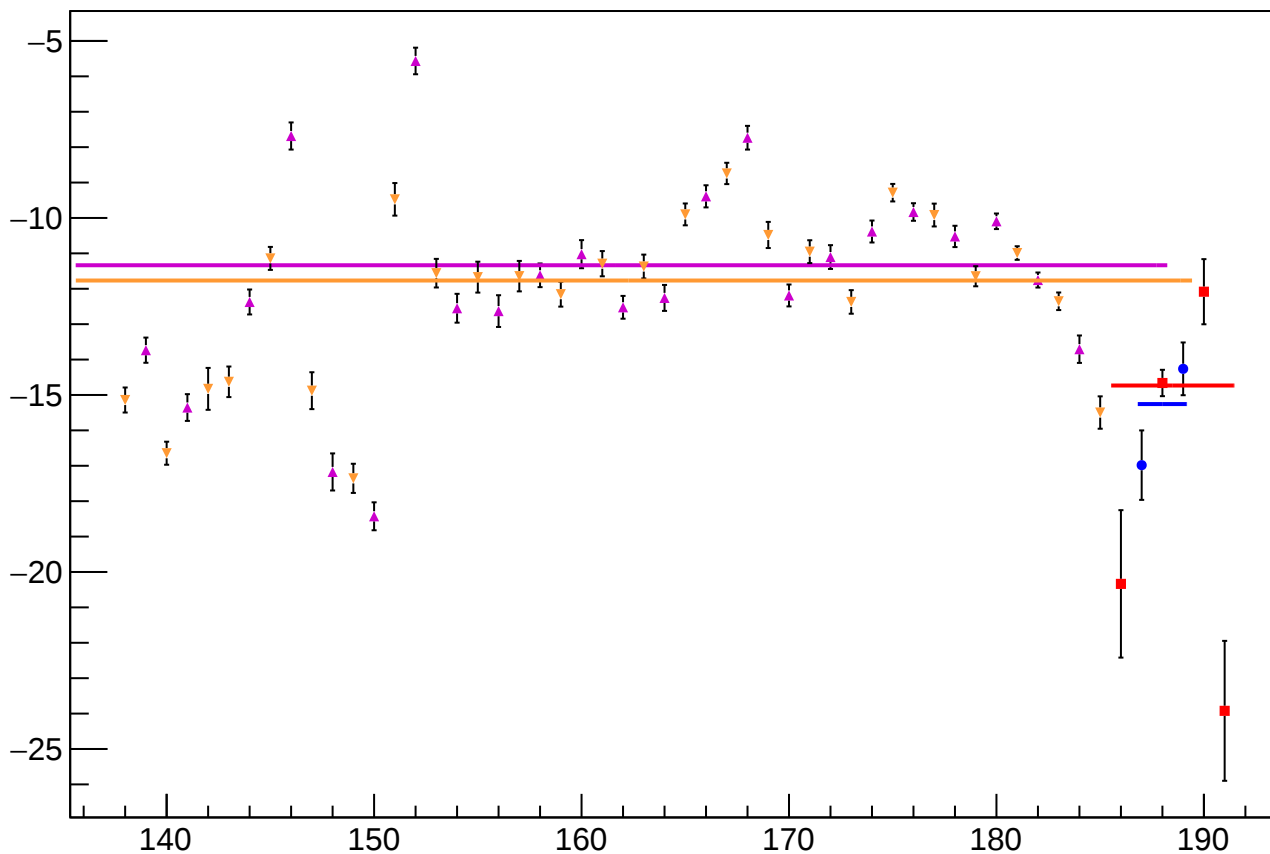
Right: -0.533 ± 0.015 χ^2/NDF : 941.1/41

In: -0.463 ± 0.007 χ^2/NDF : 2265.6/41

Out: -0.504 ± 0.007 χ^2/NDF : 2091.1/47

All: -0.484 ± 0.005 χ^2/NDF : 4372.8/89

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.257 ± 0.593 $\chi^2/\text{NDF}: 4.9/1$
 Left Out: -11.767 ± 0.067 $\chi^2/\text{NDF}: 1020.8/24$
 Right Out: -14.733 ± 0.335 $\chi^2/\text{NDF}: 37.2/3$
 Left In: -11.336 ± 0.068 $\chi^2/\text{NDF}: 1269.3/22$

Left: -11.556 ± 0.048 $\chi^2/\text{NDF}: 2310.6/47$

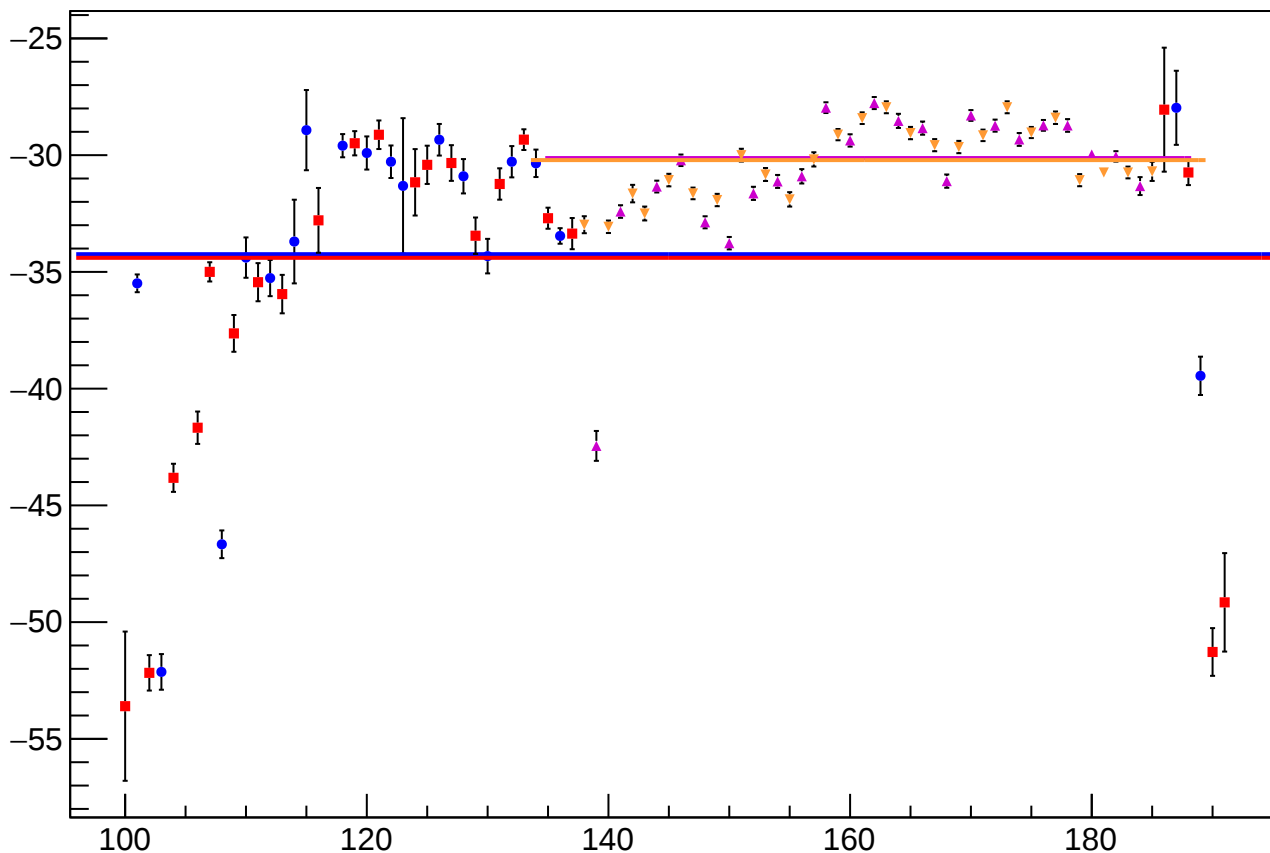
Right: -14.860 ± 0.292 $\chi^2/\text{NDF}: 42.7/5$

In: -11.387 ± 0.068 $\chi^2/\text{NDF}: 1317.3/24$

Out: -11.880 ± 0.065 $\chi^2/\text{NDF}: 1133.2/28$

All: -11.641 ± 0.047 $\chi^2/\text{NDF}: 2478.0/53$

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.241 ± 0.149 χ^2/NDF : 1380.9/18

Left Out: -30.212 ± 0.054 χ^2/NDF : 734.0/24

Right Out: -34.397 ± 0.143 χ^2/NDF : 1730.3/22

Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

Left: -30.169 ± 0.039 χ^2/NDF : 1961.5/47

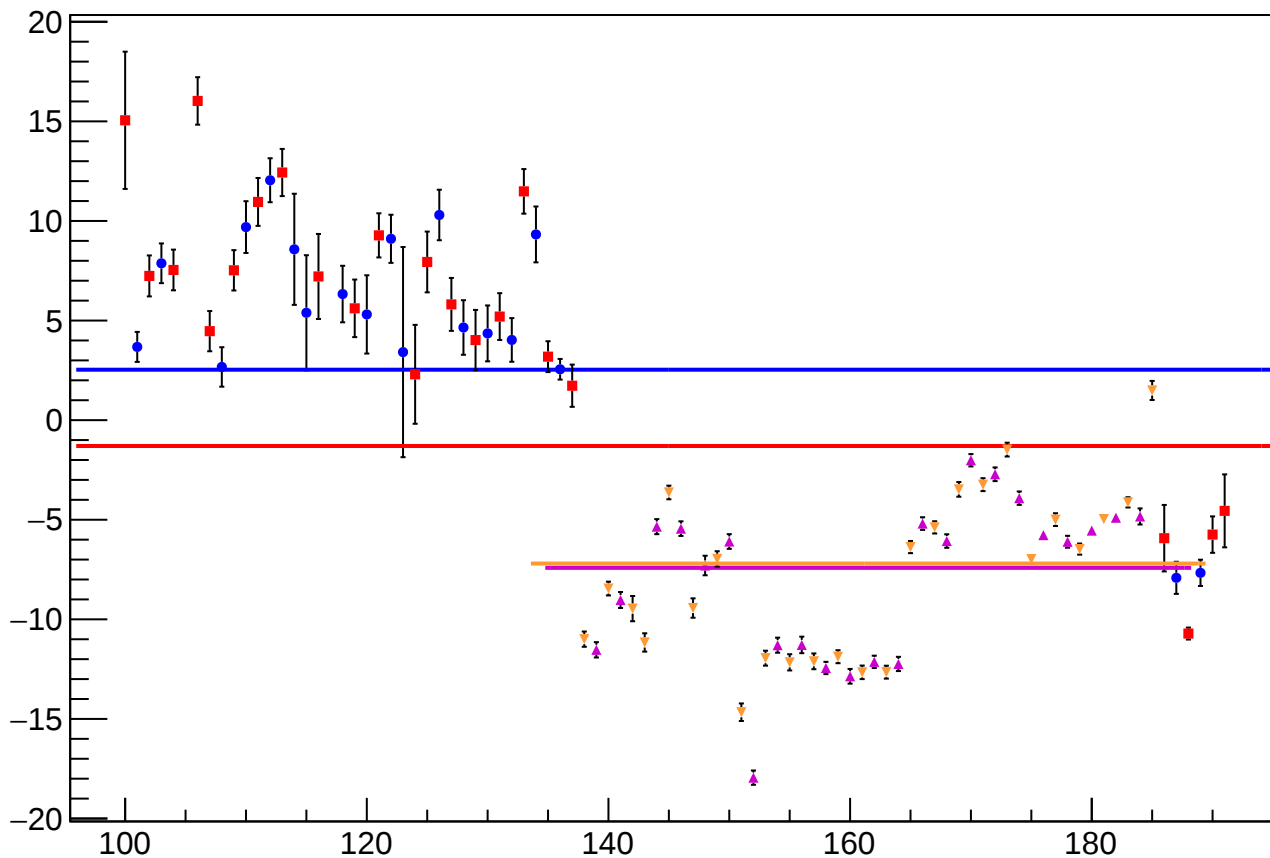
Right: -34.322 ± 0.103 χ^2/NDF : 3111.8/41

In: -30.627 ± 0.052 χ^2/NDF : 3279.5/41

Out: -30.729 ± 0.050 χ^2/NDF : 3210.3/47

All: -30.680 ± 0.036 χ^2/NDF : 6491.8/89

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

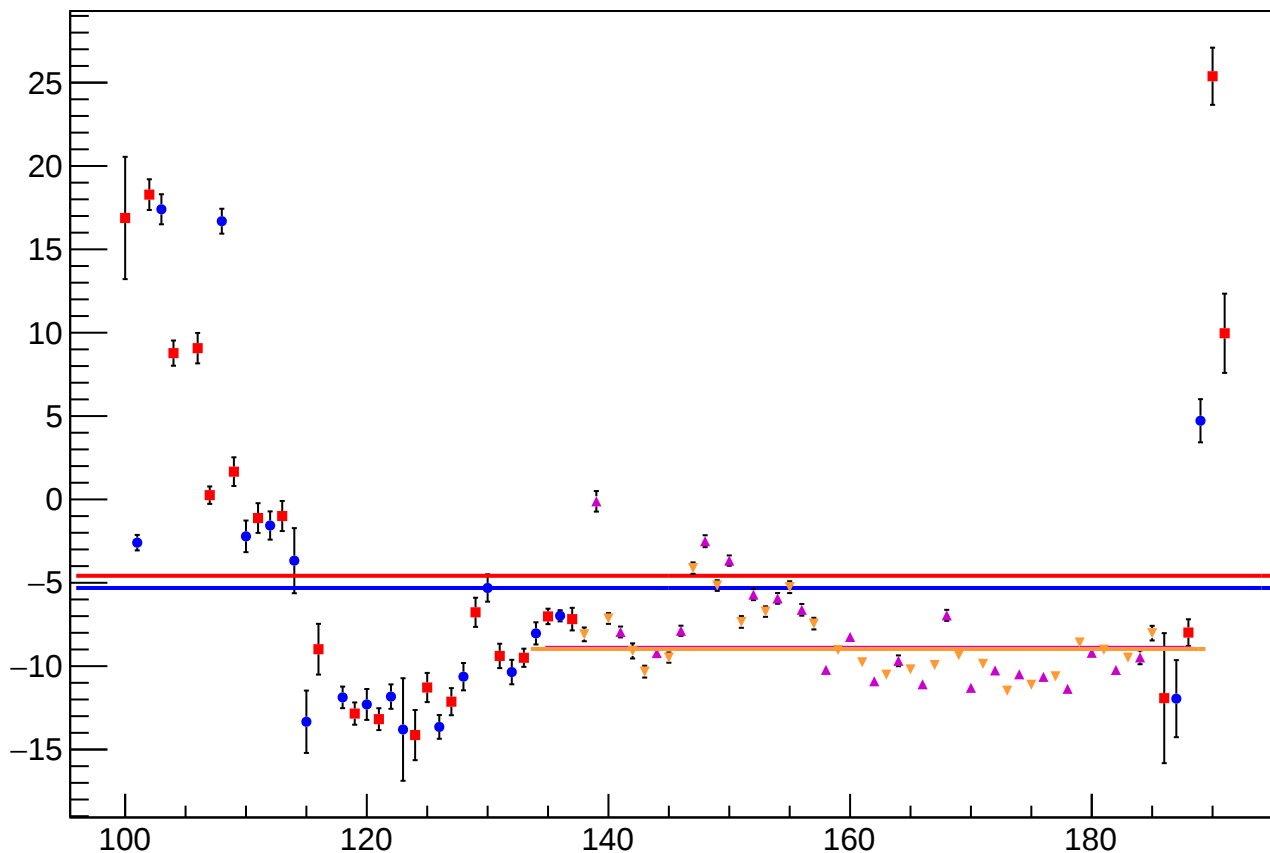


Right In: 2.533 ± 0.239 $\chi^2/\text{NDF}: 653.8/18$
 Left Out: -7.199 ± 0.067 $\chi^2/\text{NDF}: 3037.3/24$
 Right Out: -1.297 ± 0.195 $\chi^2/\text{NDF}: 2154.4/22$
 Left In: -7.415 ± 0.068 $\chi^2/\text{NDF}: 3123.3/22$

Left: -7.305 ± 0.048 $\chi^2/\text{NDF}: 6165.7/47$
 Right: 0.236 ± 0.151 $\chi^2/\text{NDF}: 2962.0/41$
 In: -6.674 ± 0.065 $\chi^2/\text{NDF}: 5378.0/41$
 Out: -6.580 ± 0.063 $\chi^2/\text{NDF}: 6008.1/47$

All: -6.626 ± 0.045 $\chi^2/\text{NDF}: 11387.1/89$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.312 ± 0.169 χ^2/NDF : 2166.0/18

Left Out: -8.970 ± 0.060 χ^2/NDF : 878.8/24

Right Out: -4.580 ± 0.168 χ^2/NDF : 2413.4/22

Left In: -8.900 ± 0.062 χ^2/NDF : 1533.9/22

Left: -8.936 ± 0.043 χ^2/NDF : 2413.4/47

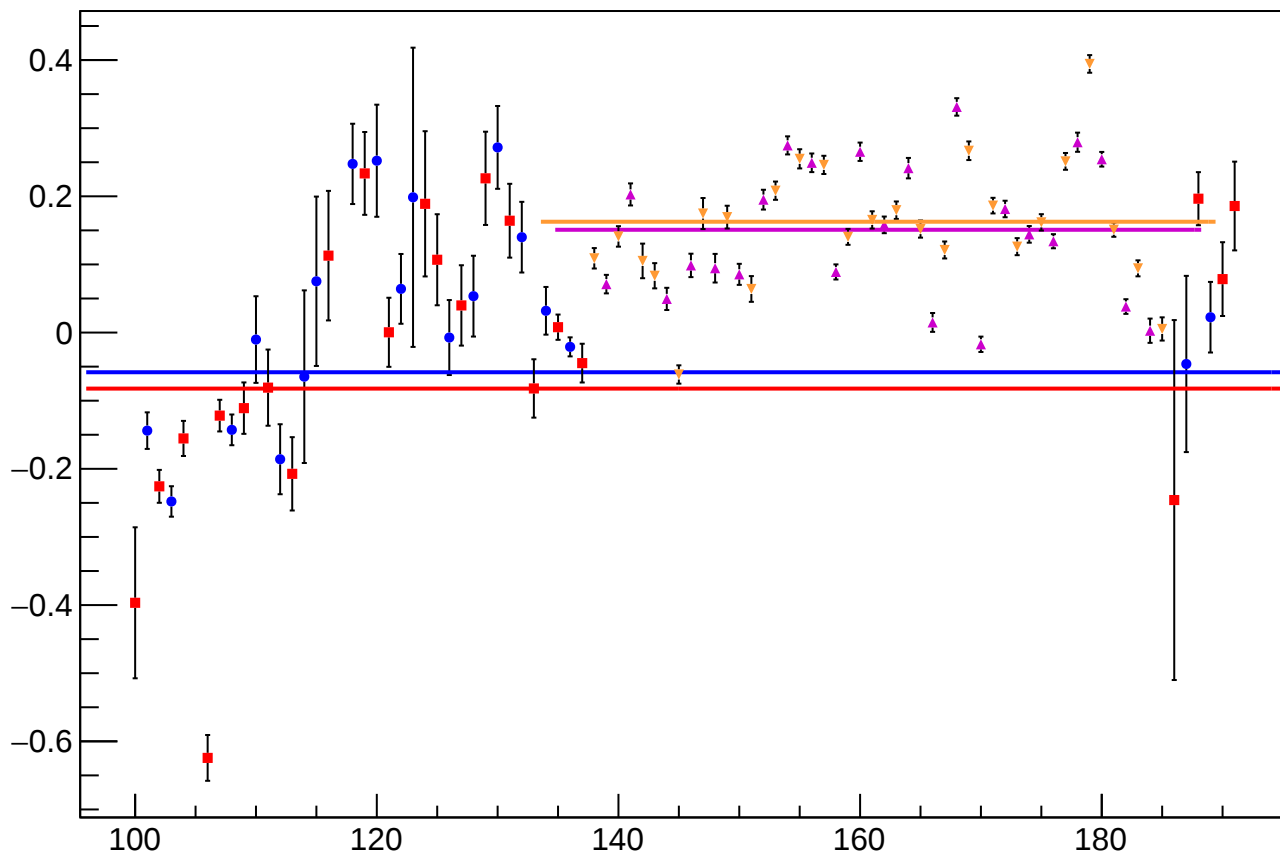
Right: -4.943 ± 0.119 χ^2/NDF : 4588.8/41

In: -8.479 ± 0.058 χ^2/NDF : 4097.3/41

Out: -8.470 ± 0.057 χ^2/NDF : 3898.3/47

All: -8.475 ± 0.040 χ^2/NDF : 7995.6/89

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.058 ± 0.008 χ^2/NDF : 217.0/18

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.1/24

Right Out: -0.082 ± 0.008 χ^2/NDF : 516.7/22

Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

Left: 0.157 ± 0.002 χ^2/NDF : 2313.9/47

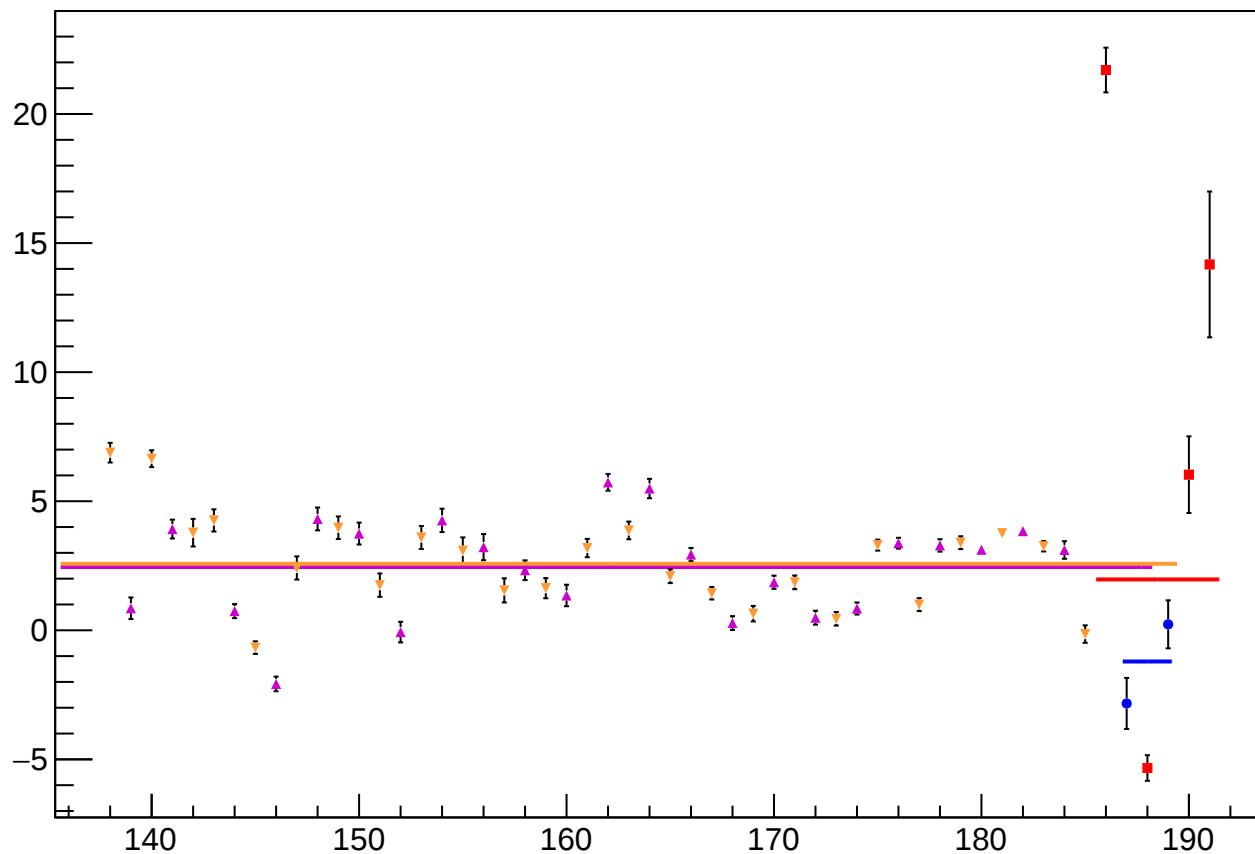
Right: -0.071 ± 0.006 χ^2/NDF : 738.1/41

In: 0.130 ± 0.003 χ^2/NDF : 2077.1/41

Out: 0.138 ± 0.003 χ^2/NDF : 2357.7/47

All: 0.134 ± 0.002 χ^2/NDF : 4439.4/89

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.208 ± 0.677 χ^2/NDF : 5.1/1

Left Out: 2.577 ± 0.058 χ^2/NDF : 867.5/24

Right Out: 1.970 ± 0.409 χ^2/NDF : 761.3/3

Left In: 2.452 ± 0.059 χ^2/NDF : 871.3/22

Left: 2.516 ± 0.042 χ^2/NDF : 1741.0/47

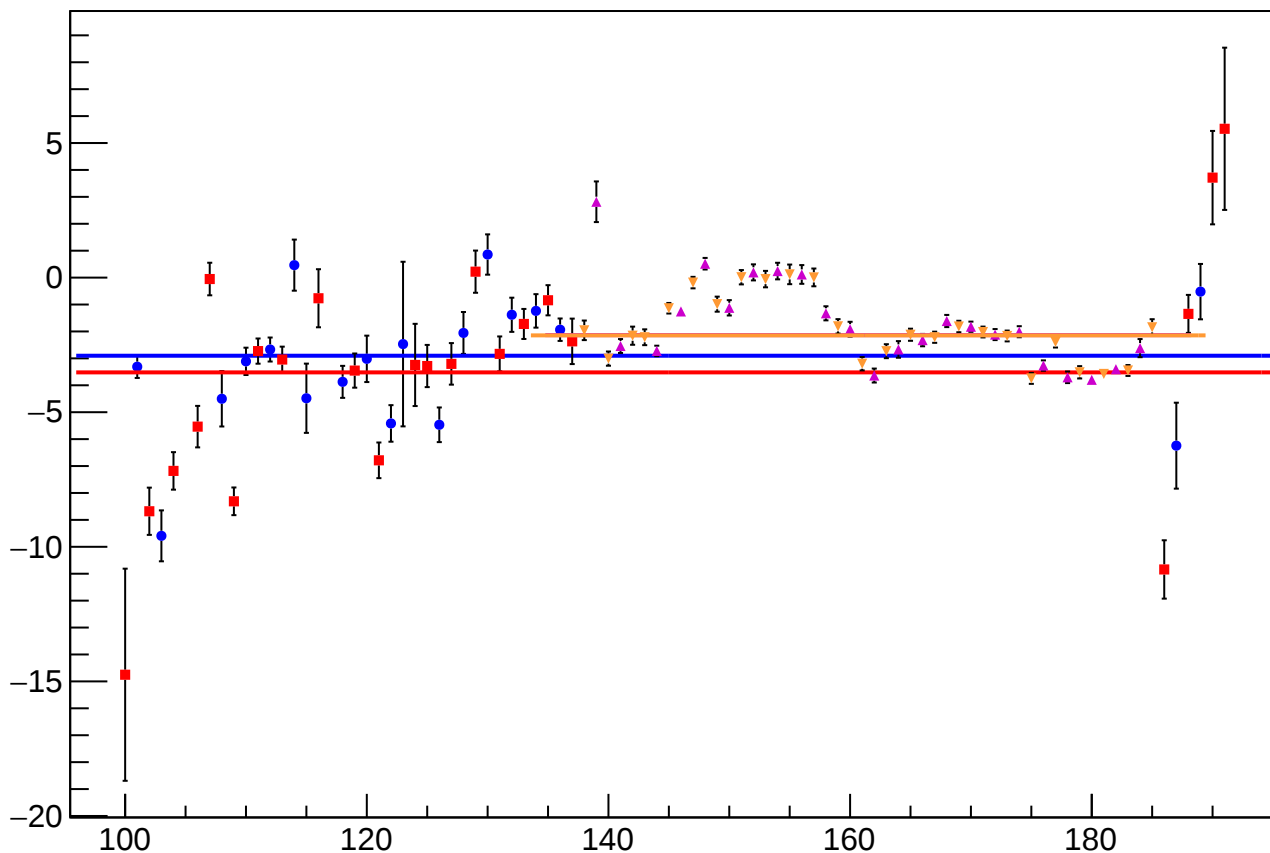
Right: 1.120 ± 0.350 χ^2/NDF : 782.6/5

In: 2.424 ± 0.059 χ^2/NDF : 905.3/24

Out: 2.565 ± 0.058 χ^2/NDF : 1630.9/28

All: 2.496 ± 0.041 χ^2/NDF : 2539.2/53

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.902 ± 0.153 $\chi^2/\text{NDF}: 154.7/18$

Left Out: -2.146 ± 0.048 $\chi^2/\text{NDF}: 573.4/24$

Right Out: -3.521 ± 0.149 $\chi^2/\text{NDF}: 372.4/22$

Left In: -2.136 ± 0.048 $\chi^2/\text{NDF}: 691.2/22$

Left: -2.141 ± 0.034 $\chi^2/\text{NDF}: 1264.6/47$

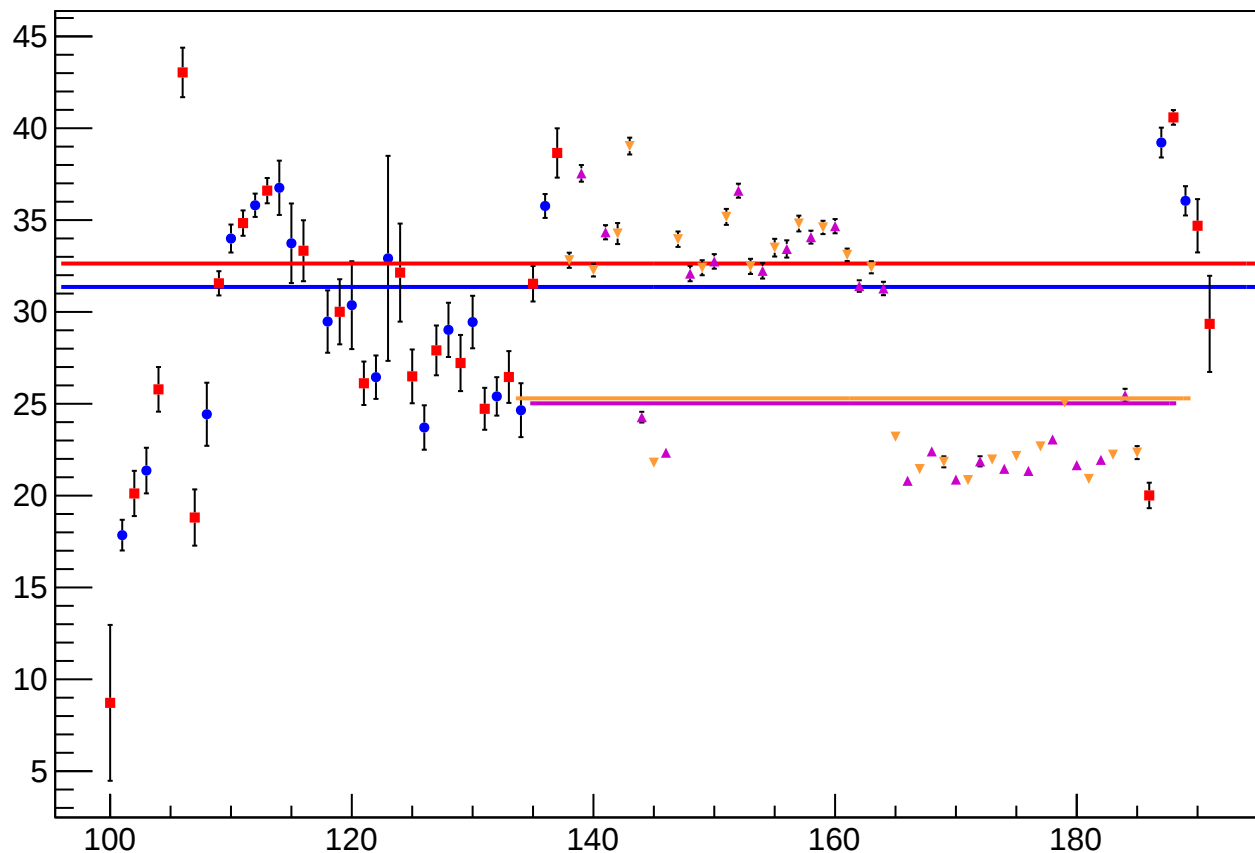
Right: -3.219 ± 0.107 $\chi^2/\text{NDF}: 535.5/41$

In: -2.206 ± 0.046 $\chi^2/\text{NDF}: 868.8/41$

Out: -2.273 ± 0.045 $\chi^2/\text{NDF}: 1023.0/47$

All: -2.240 ± 0.032 $\chi^2/\text{NDF}: 1892.8/89$

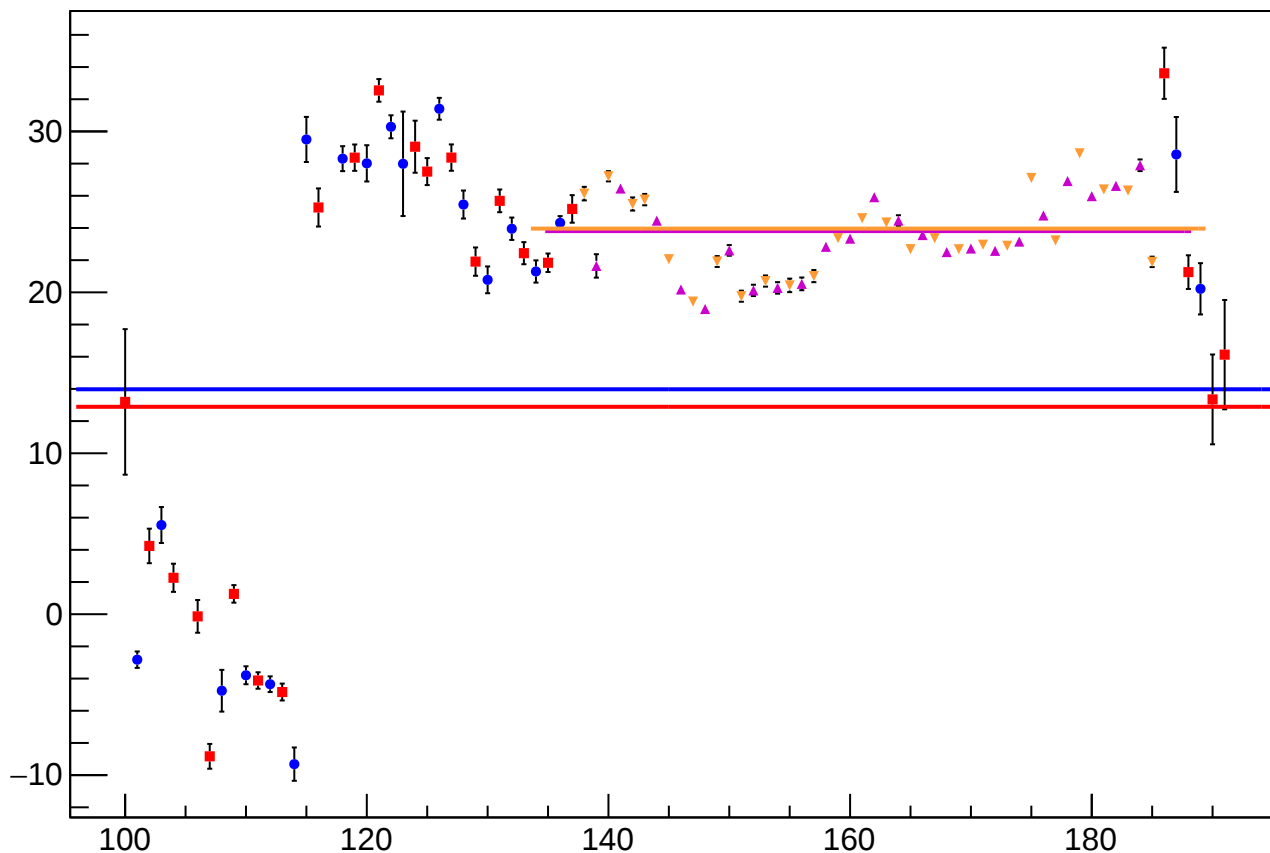
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 31.360 ± 0.242 $\chi^2/\text{NDF}: 709.0/18$
 Left Out: 25.296 ± 0.059 $\chi^2/\text{NDF}: 8272.3/24$
 Right Out: 32.635 ± 0.205 $\chi^2/\text{NDF}: 1248.0/22$
 Left In: 25.025 ± 0.060 $\chi^2/\text{NDF}: 7610.5/22$

Left: 25.162 ± 0.042 $\chi^2/\text{NDF}: 15893.3/47$
 Right: 32.101 ± 0.157 $\chi^2/\text{NDF}: 1973.2/41$
 In: 25.387 ± 0.058 $\chi^2/\text{NDF}: 8964.2/41$
 Out: 25.852 ± 0.057 $\chi^2/\text{NDF}: 10699.7/47$
 All: 25.625 ± 0.040 $\chi^2/\text{NDF}: 19696.9/89$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.976 $\pm$ 0.172 χ^2 /NDF: 7330.2/18

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 12.889 $\pm$ 0.170 χ^2 /NDF: 7195.2/22

Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

Left: 23.885 $\pm$ 0.038 χ^2 /NDF: 3688.0/47

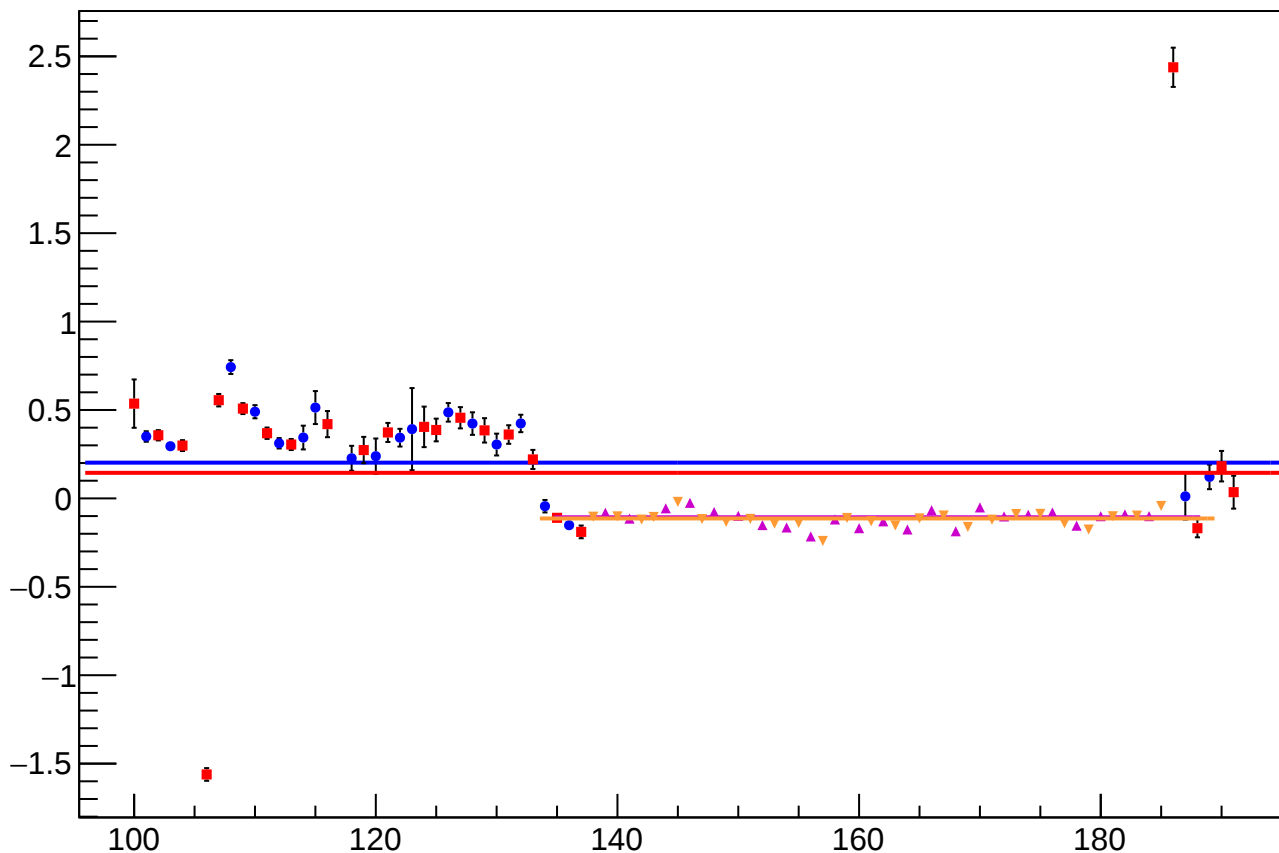
Right: 13.428 $\pm$ 0.121 χ^2 /NDF: 14545.7/41

In: 22.918 $\pm$ 0.052 χ^2 /NDF:12078.3/41

Out: 22.977 $\pm$ 0.051 χ^2 /NDF:12977.8/47

All: 22.948 $\pm$ 0.036 χ^2 /NDF: 25056.8/89

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.009 $\chi^2/\text{NDF}: 850.0/18$

Left Out: -0.113 ± 0.002 $\chi^2/\text{NDF}: 291.0/24$

Right Out: 0.145 ± 0.009 $\chi^2/\text{NDF}: 3479.7/22$

Left In: -0.107 ± 0.002 $\chi^2/\text{NDF}: 321.8/22$

Left: -0.110 ± 0.002 $\chi^2/\text{NDF}: 616.6/47$

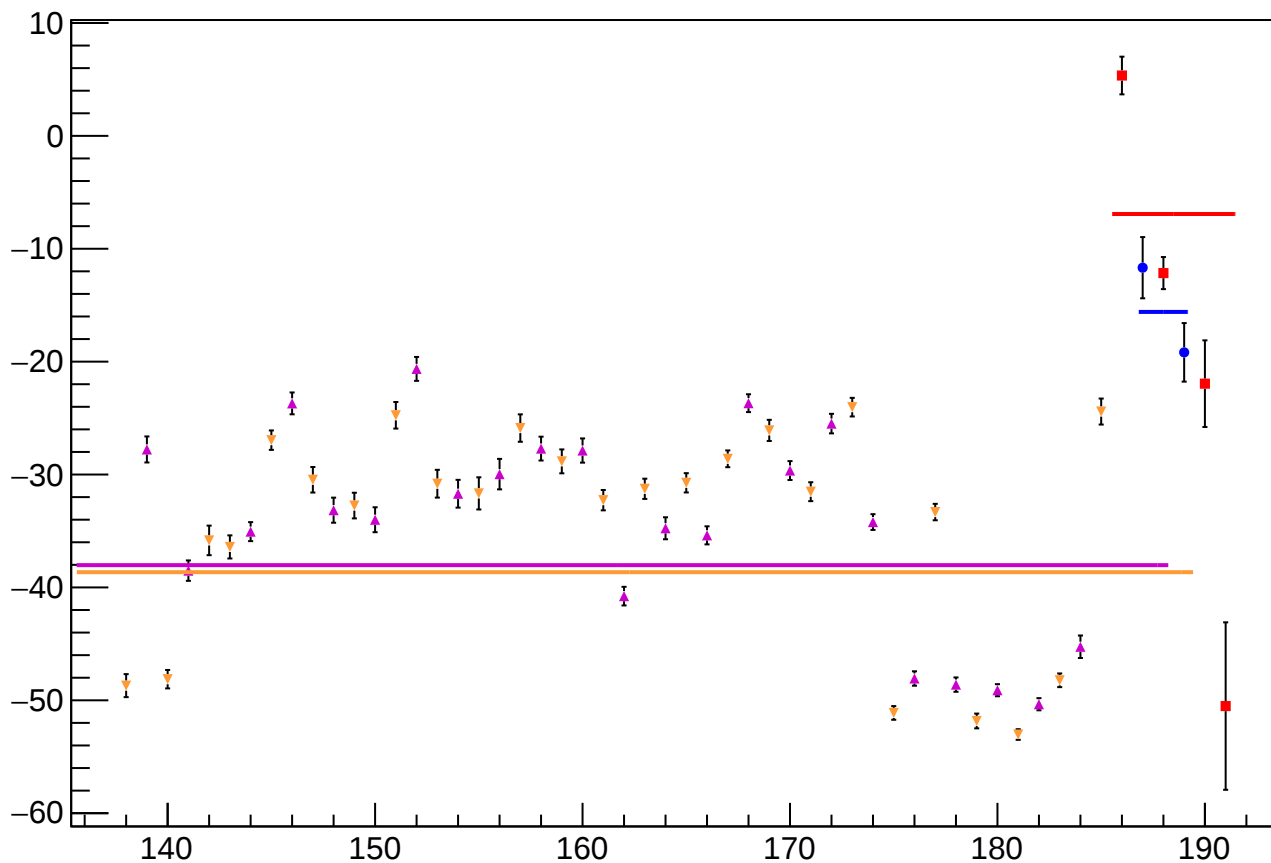
Right: 0.172 ± 0.006 $\chi^2/\text{NDF}: 4349.7/41$

In: -0.086 ± 0.002 $\chi^2/\text{NDF}: 2207.2/41$

Out: -0.096 ± 0.002 $\chi^2/\text{NDF}: 4544.8/47$

All: -0.091 ± 0.002 $\chi^2/\text{NDF}: 6760.2/89$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected

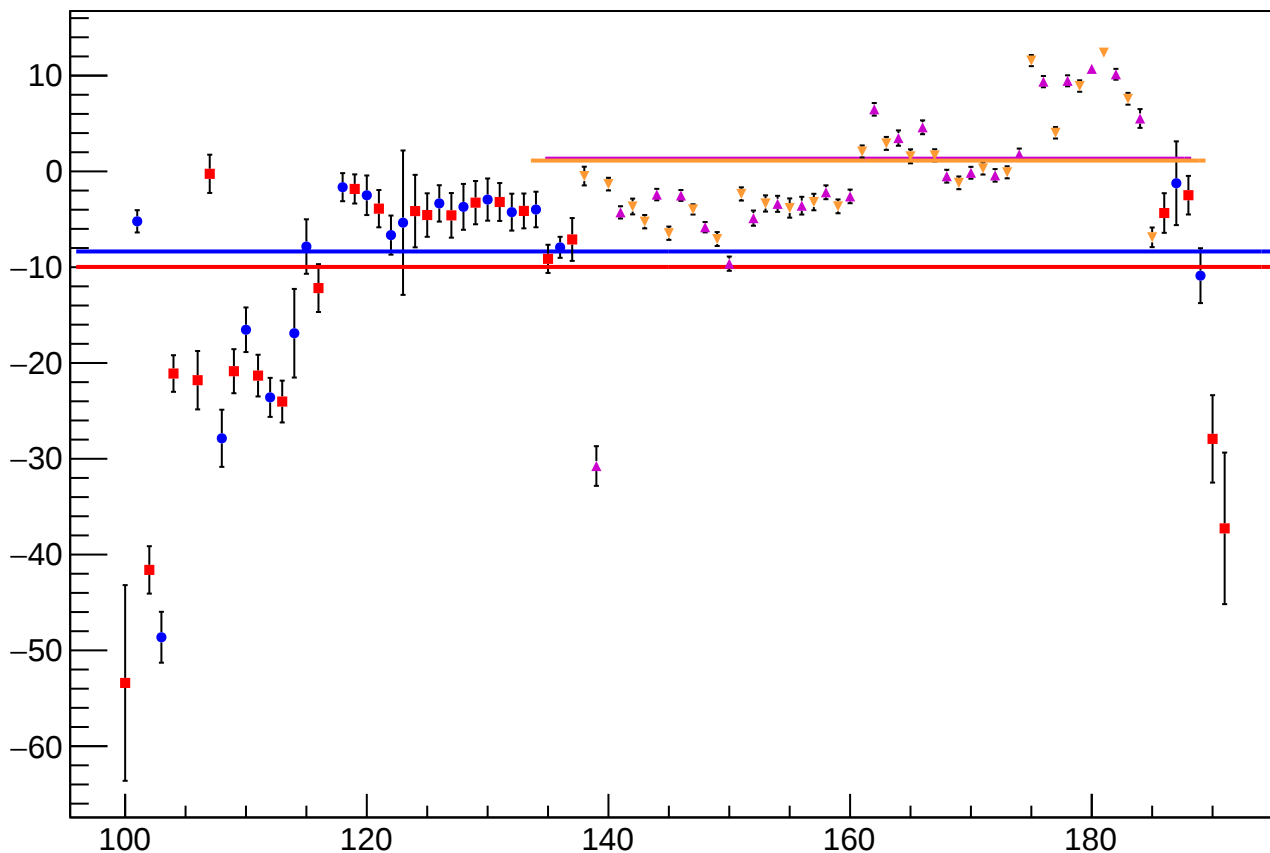


Right In: -15.594 $\pm$ 1.874 χ^2 /NDF: 4.0/1
 Left Out: -38.650 $\pm$ 0.169 χ^2 /NDF:4077.2/24
 Right Out: -6.922 $\pm$ 1.031 χ^2 /NDF: 117.5/3
 Left In: -38.027 $\pm$ 0.173 χ^2 /NDF:3091.9/22

Left: -38.346 $\pm$ 0.121 χ^2 /NDF: 7175.7/47
 Right: -8.938 $\pm$ 0.904 χ^2 /NDF: 137.9/5
 In: -37.837 $\pm$ 0.172 χ^2 /NDF:3238.0/24
 Out: -37.819 $\pm$ 0.167 χ^2 /NDF:5116.3/28

All: -37.828 $\pm$ 0.120 χ^2 /NDF: 8354.3/53

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.359 ± 0.458 χ^2/NDF : 411.9/18

Left Out: 1.130 ± 0.136 χ^2/NDF : 1799.3/24

Right Out: -9.973 ± 0.462 χ^2/NDF : 479.2/22

Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

Left: 1.227 ± 0.097 χ^2/NDF : 3848.4/47

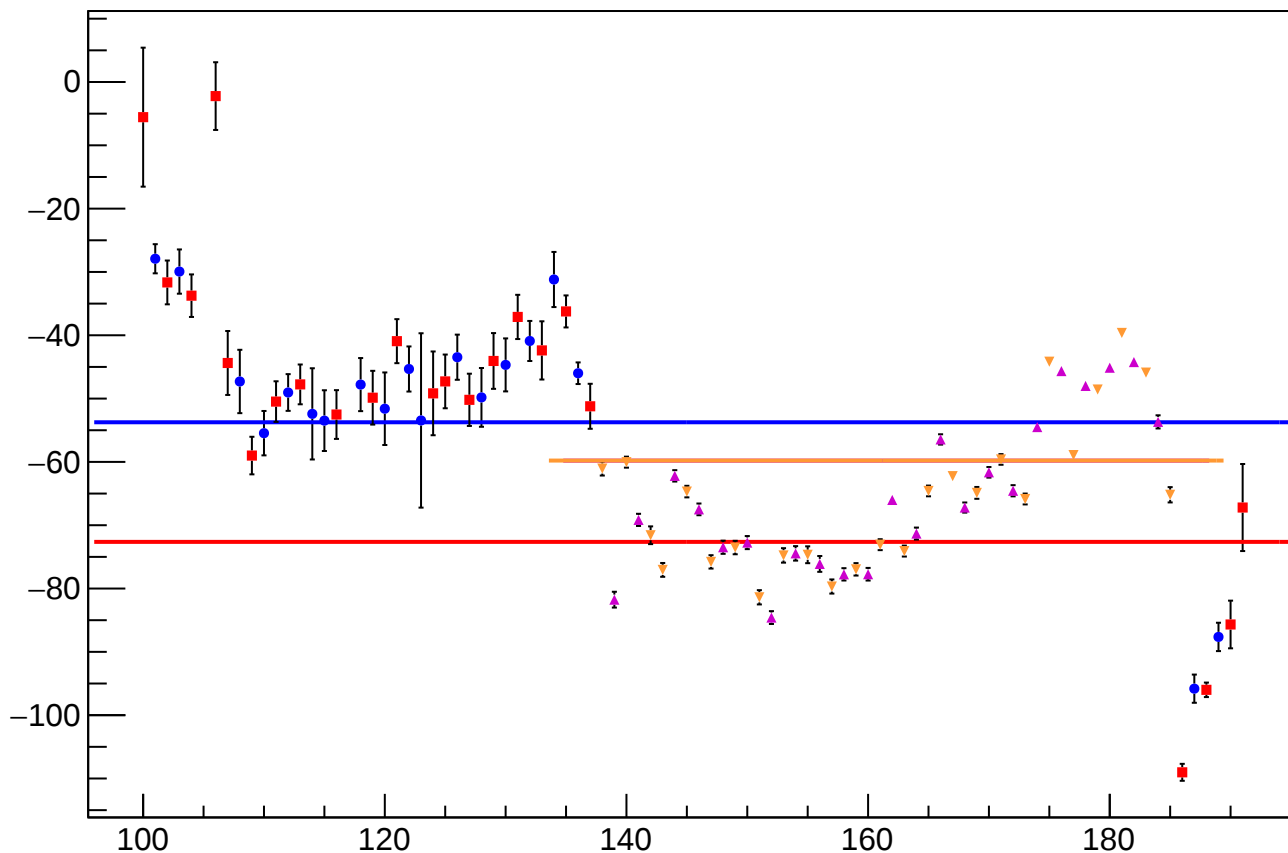
Right: -9.159 ± 0.325 χ^2/NDF : 897.3/41

In: 0.503 ± 0.134 χ^2/NDF : 2869.3/41

Out: 0.245 ± 0.130 χ^2/NDF : 2809.6/47

All: 0.371 ± 0.093 χ^2/NDF : 5680.9/89

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -53.741 ± 0.741 χ^2/NDF : 848.1/18

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -72.631 ± 0.604 χ^2/NDF : 2465.3/22

Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

Left: -59.795 ± 0.121 χ^2/NDF : 11055.3/47

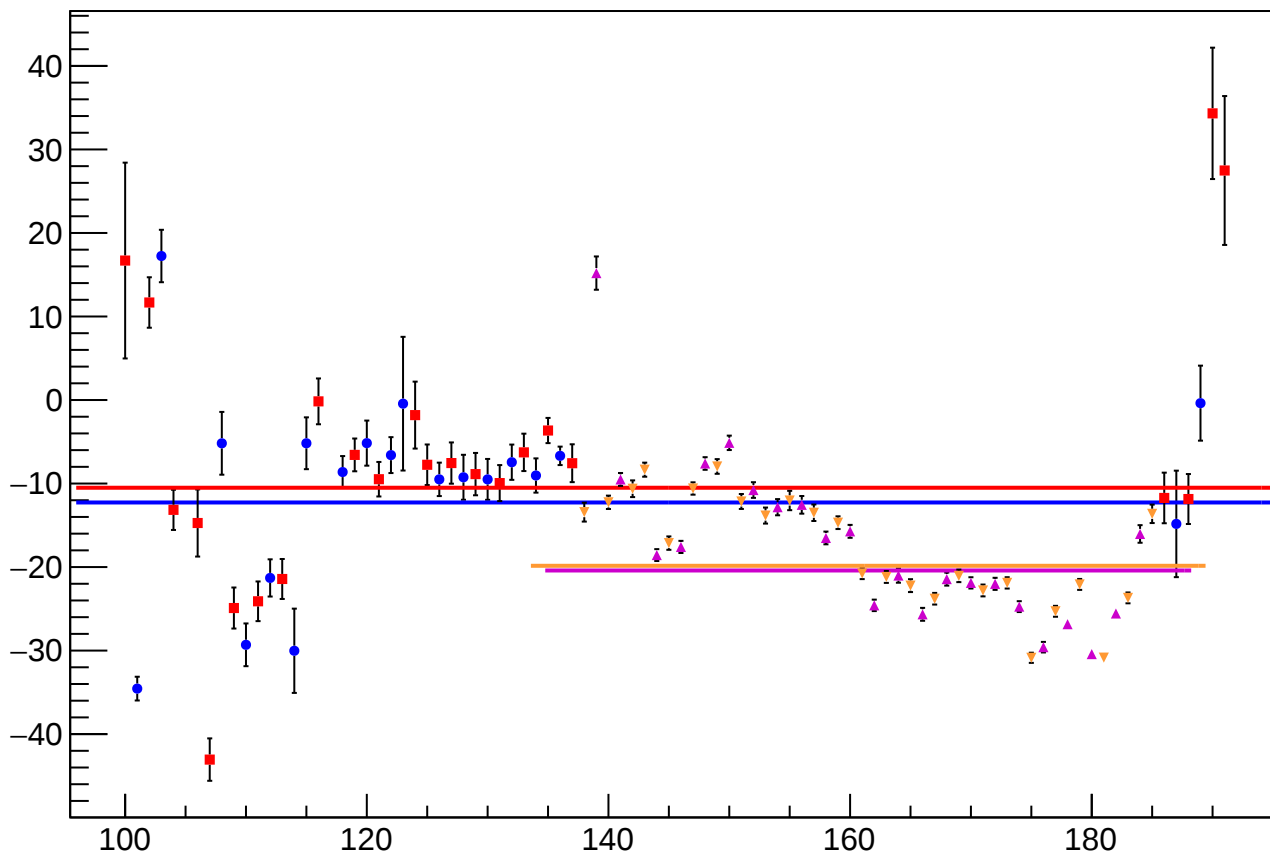
Right: -65.079 ± 0.468 χ^2/NDF : 3704.0/41

In: -59.487 ± 0.169 χ^2/NDF : 6129.2/41

Out: -60.732 ± 0.164 χ^2/NDF : 8721.4/47

All: -60.128 ± 0.118 χ^2/NDF : 14878.6/89

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.268 ± 0.519 $\chi^2/\text{NDF}: 480.8/18$

Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$

Right Out: -10.503 ± 0.534 $\chi^2/\text{NDF}: 417.2/22$

Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

Left: -20.122 ± 0.109 $\chi^2/\text{NDF}: 4239.8/47$

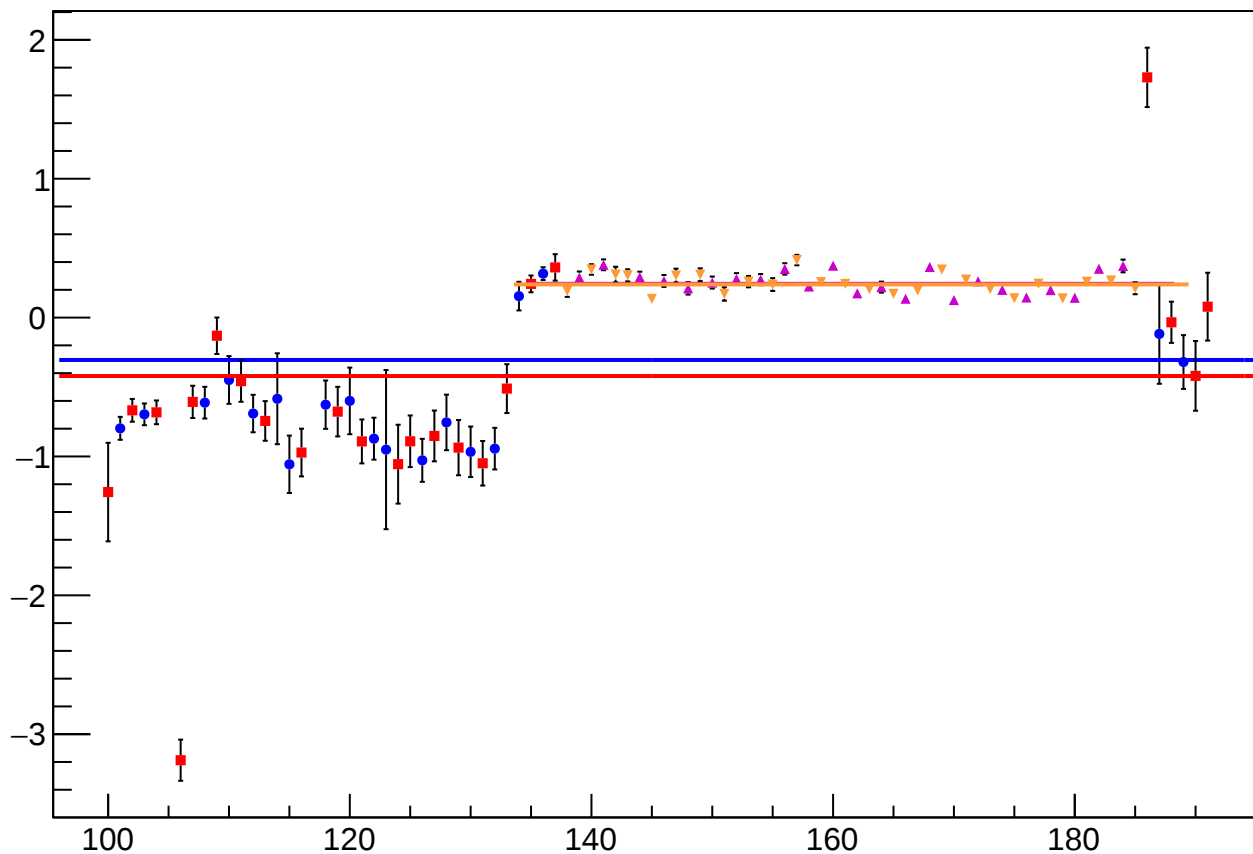
Right: -11.412 ± 0.372 $\chi^2/\text{NDF}: 903.6/41$

In: -19.729 ± 0.150 $\chi^2/\text{NDF}: 3008.7/41$

Out: -19.142 ± 0.147 $\chi^2/\text{NDF}: 2631.0/47$

All: -19.429 ± 0.105 $\chi^2/\text{NDF}: 5647.5/89$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.305 ± 0.027 χ^2/NDF : 372.0/18

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.421 ± 0.028 χ^2/NDF : 744.3/22

Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

Left: 0.241 ± 0.005 χ^2/NDF : 231.5/47

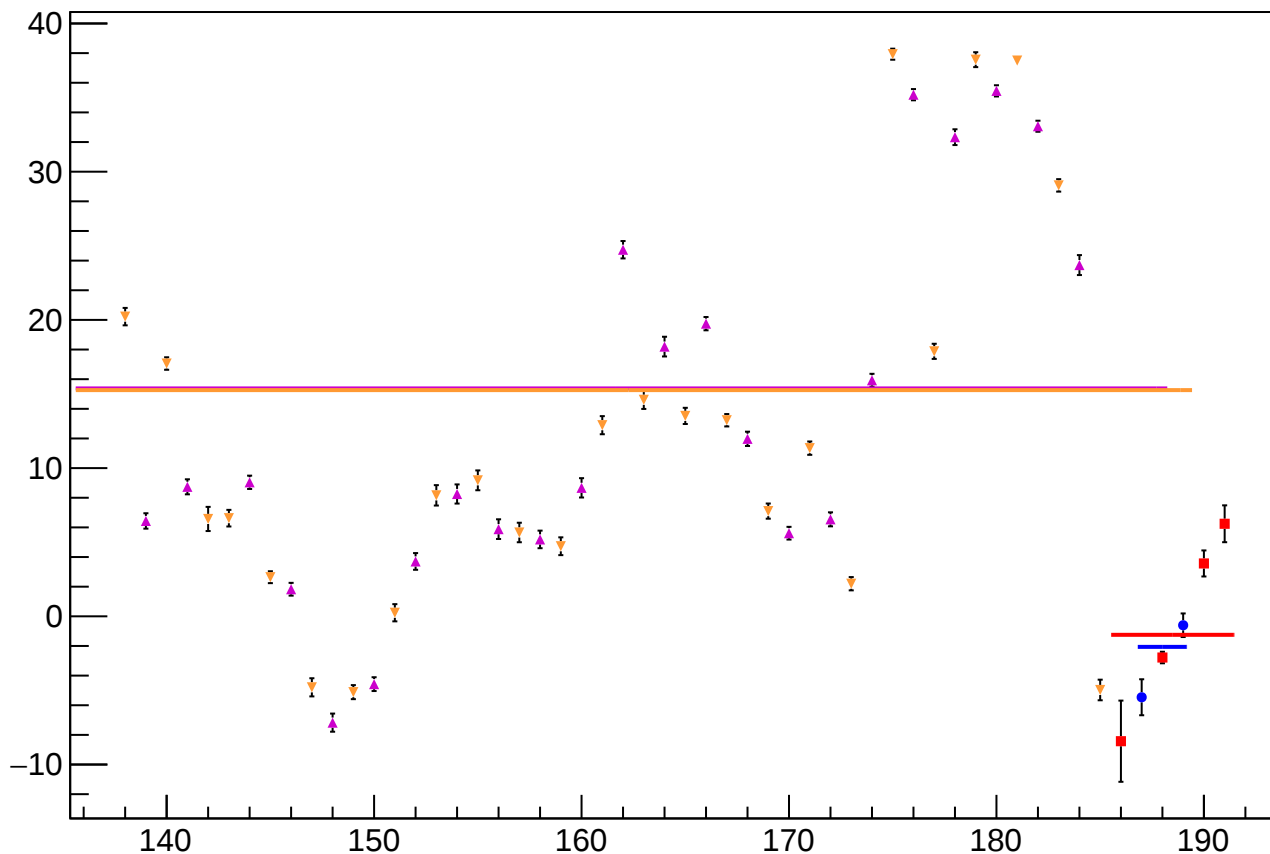
Right: -0.362 ± 0.019 χ^2/NDF : 1125.2/41

In: 0.208 ± 0.007 χ^2/NDF : 889.4/41

Out: 0.198 ± 0.007 χ^2/NDF : 1376.9/47

All: 0.203 ± 0.005 χ^2/NDF : 2267.3/89

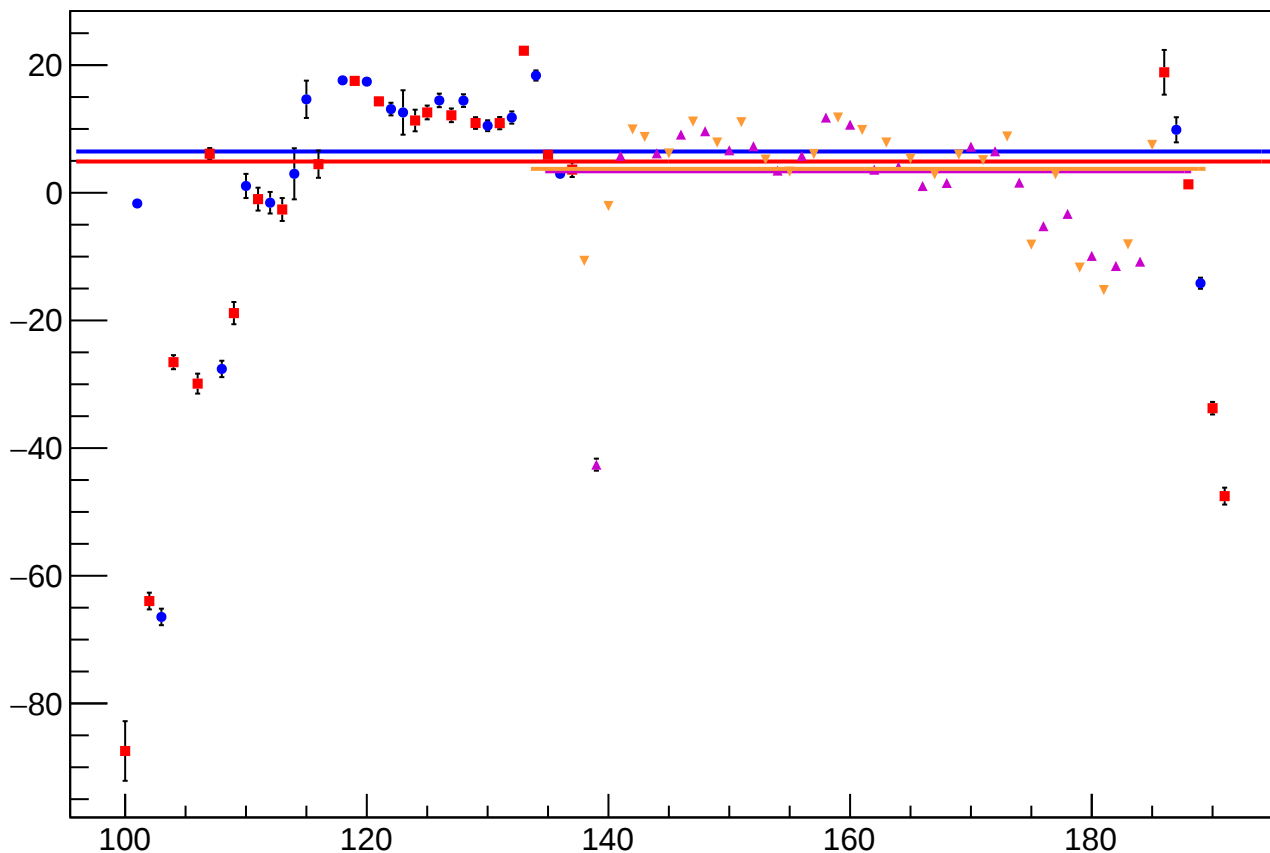
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.062 ± 0.665 $\chi^2/\text{NDF}: 11.2/1$
 Left Out: 15.263 ± 0.100 $\chi^2/\text{NDF}: 19175.2/24$
 Right Out: -1.248 ± 0.339 $\chi^2/\text{NDF}: 88.7/3$
 Left In: 15.377 ± 0.103 $\chi^2/\text{NDF}: 16268.9/22$

Left: 15.318 ± 0.072 $\chi^2/\text{NDF}: 35444.7/47$
 Right: -1.416 ± 0.302 $\chi^2/\text{NDF}: 101.1/5$
 In: 14.971 ± 0.102 $\chi^2/\text{NDF}: 16951.1/24$
 Out: 13.931 ± 0.096 $\chi^2/\text{NDF}: 21441.1/28$
 All: 14.424 ± 0.070 $\chi^2/\text{NDF}: 38447.3/53$

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.469 ± 0.210 $\chi^2/\text{NDF}: 5904.5/18$

Left Out: 3.746 ± 0.079 $\chi^2/\text{NDF}: 9247.4/24$

Right Out: 4.898 ± 0.194 $\chi^2/\text{NDF}: 10164.0/22$

Left In: 3.365 ± 0.081 $\chi^2/\text{NDF}: 8527.0/22$

Left: 3.561 ± 0.057 $\chi^2/\text{NDF}: 17785.7/47$

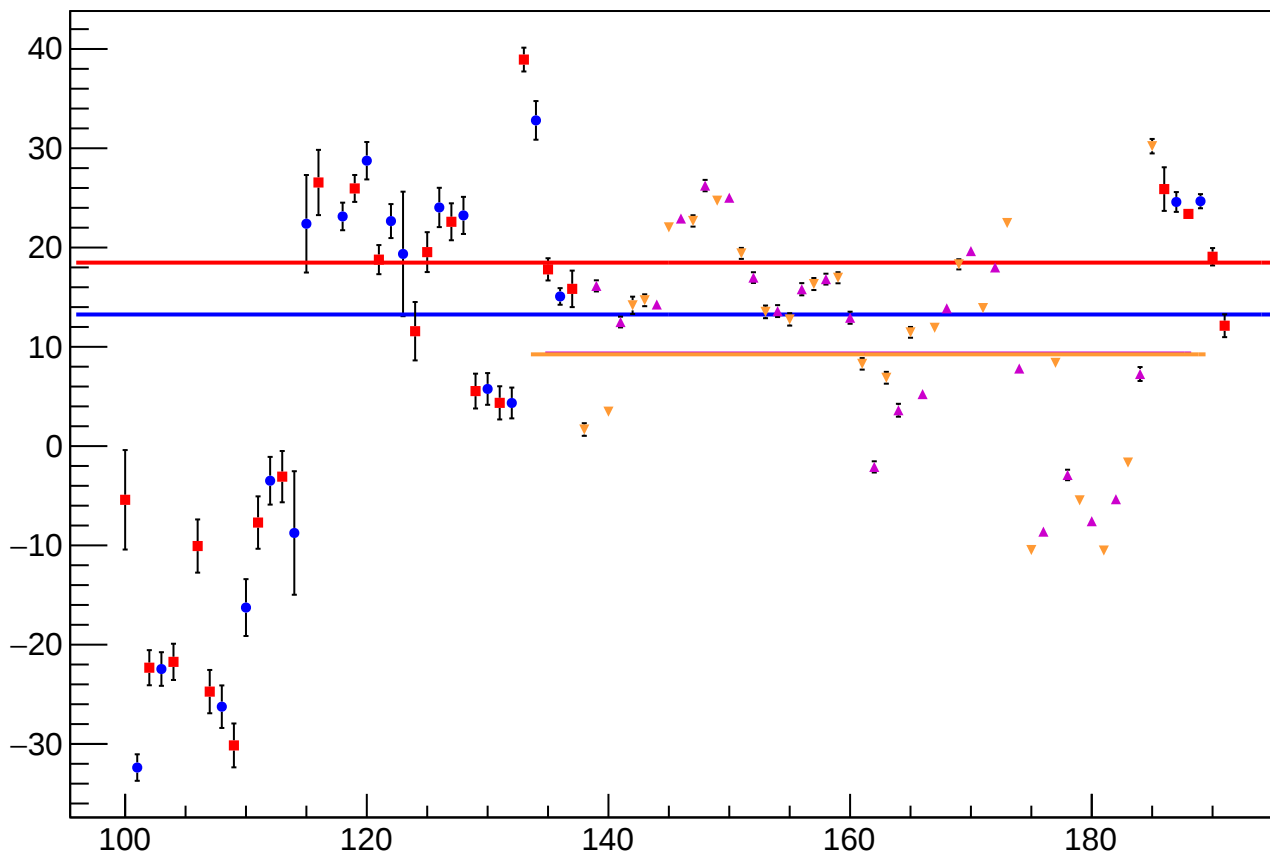
Right: 5.618 ± 0.142 $\chi^2/\text{NDF}: 16098.7/41$

In: 3.767 ± 0.076 $\chi^2/\text{NDF}: 14620.9/41$

Out: 3.909 ± 0.073 $\chi^2/\text{NDF}: 19441.8/47$

All: 3.841 ± 0.053 $\chi^2/\text{NDF}: 34064.5/89$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 13.257 $\pm$ 0.340 χ^2 /NDF: 2877.2/18

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 18.482 $\pm$ 0.235 χ^2 /NDF: 2949.4/22

Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

Left: 9.284 $\pm$ 0.072 χ^2 /NDF: 25602.0/47

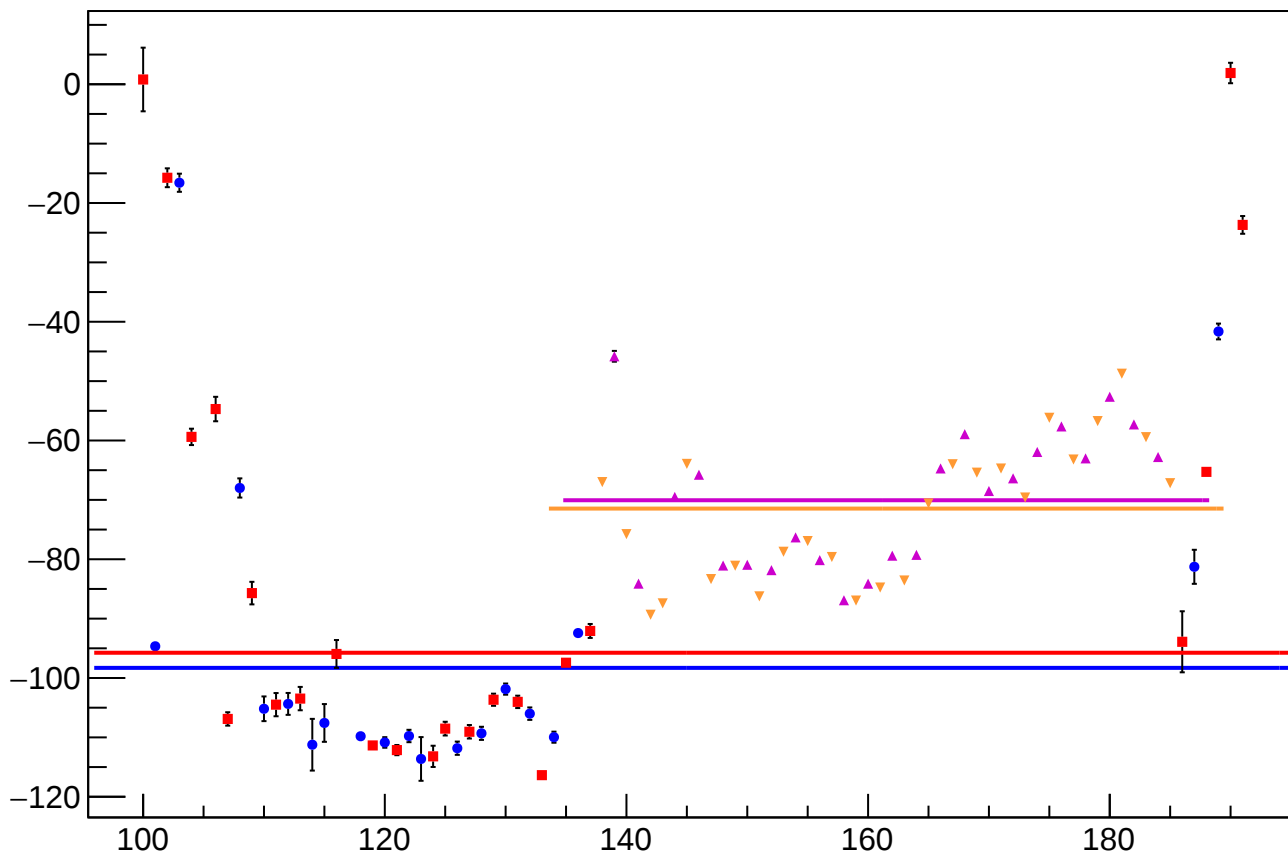
Right: 16.787 $\pm$ 0.193 χ^2 /NDF: 5986.4/41

In: 9.656 $\pm$ 0.098 χ^2 /NDF:14968.2/41

Out: 10.677 $\pm$ 0.093 χ^2 /NDF:17884.3/47

All: 10.195 $\pm$ 0.067 χ^2 /NDF: 32909.5/89

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -98.293 ± 0.246 χ^2/NDF : 6380.5/18

Left Out: -71.465 ± 0.089 χ^2/NDF : 16409.7/24

Right Out: -95.746 ± 0.231 χ^2/NDF : 13726.2/22

Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

Left: -70.782 ± 0.064 χ^2/NDF : 29588.5/47

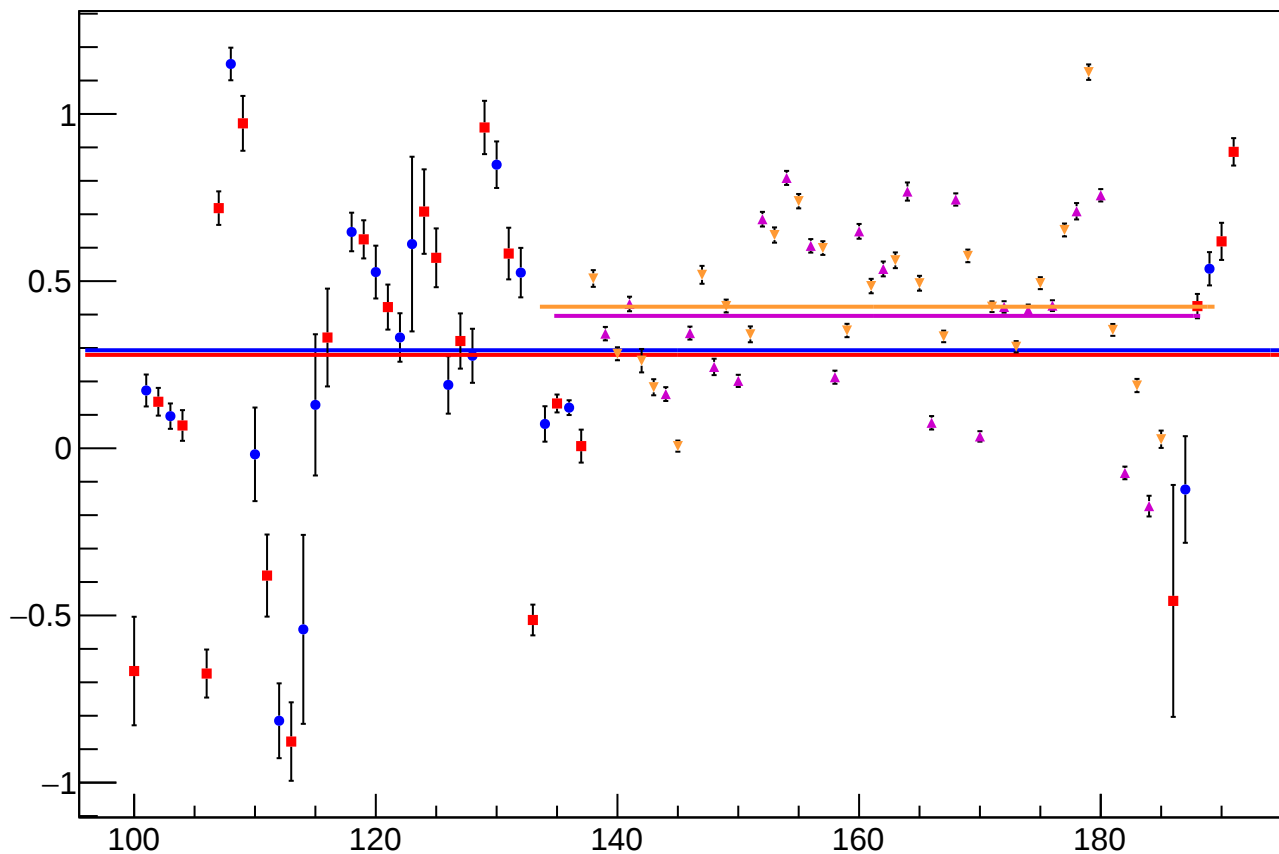
Right: -96.941 ± 0.168 χ^2/NDF : 20163.7/41

In: -73.512 ± 0.086 χ^2/NDF : 31020.7/41

Out: -74.618 ± 0.083 χ^2/NDF : 39739.5/47

All: -74.083 ± 0.060 χ^2/NDF : 70845.6/89

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.293 ± 0.013 χ^2/NDF : 685.5/18

Left Out: 0.424 ± 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.279 ± 0.012 χ^2/NDF : 1303.6/22

Left In: 0.396 ± 0.004 χ^2/NDF : 4051.5/22

Left: 0.410 ± 0.003 χ^2/NDF : 6958.5/47

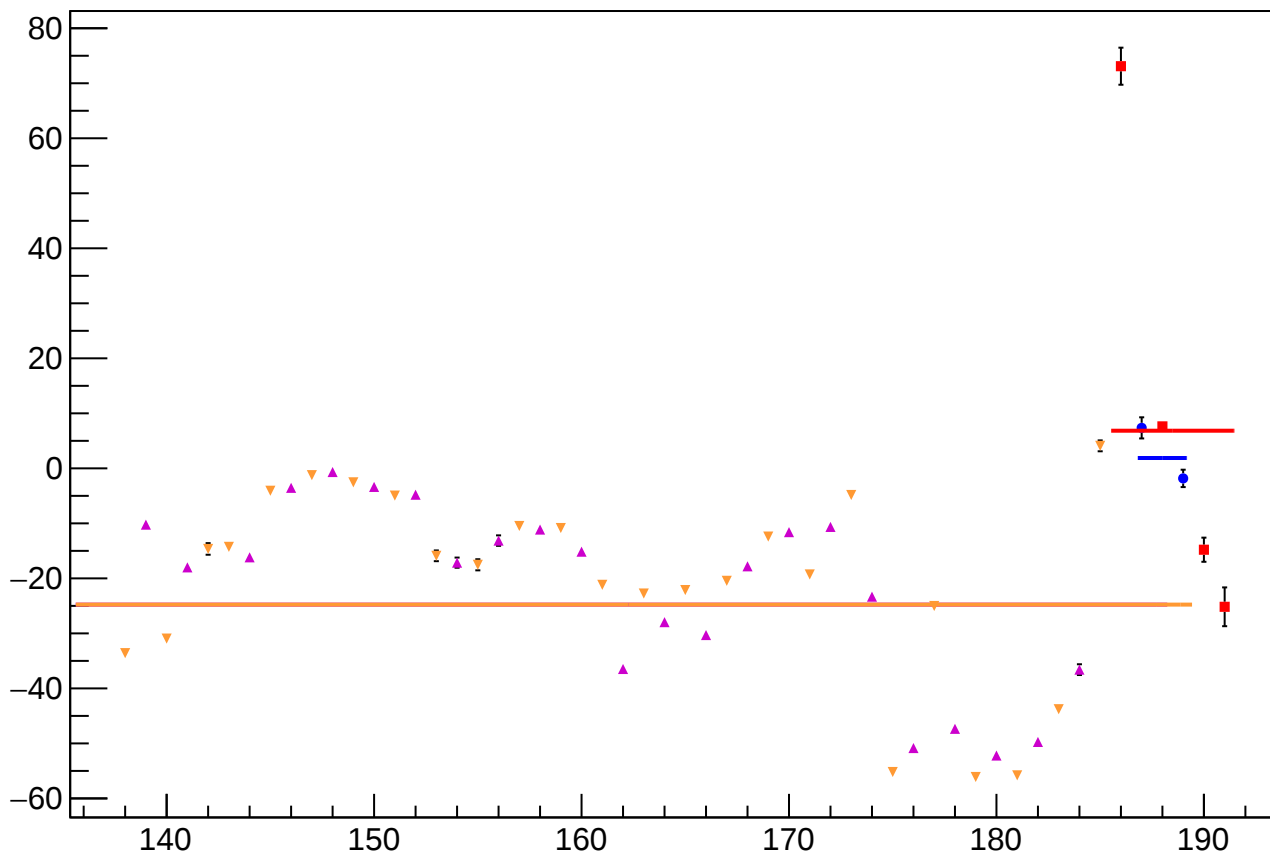
Right: 0.286 ± 0.009 χ^2/NDF : 1989.8/41

In: 0.387 ± 0.004 χ^2/NDF : 4793.6/41

Out: 0.408 ± 0.004 χ^2/NDF : 4321.6/47

All: 0.398 ± 0.003 χ^2/NDF : 9130.3/89

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.881+/-1.220 χ^2/NDF : 13.6/1

Left Out: -24.769+/-0.139 χ^2/NDF : 18318.8/24

Right Out: 6.841+/-0.719 χ^2/NDF : 567.5/3

Left In: -24.775+/-0.143 χ^2/NDF : 14807.4/22

Left: -24.772+/-0.100 χ^2/NDF : 33126.2/47

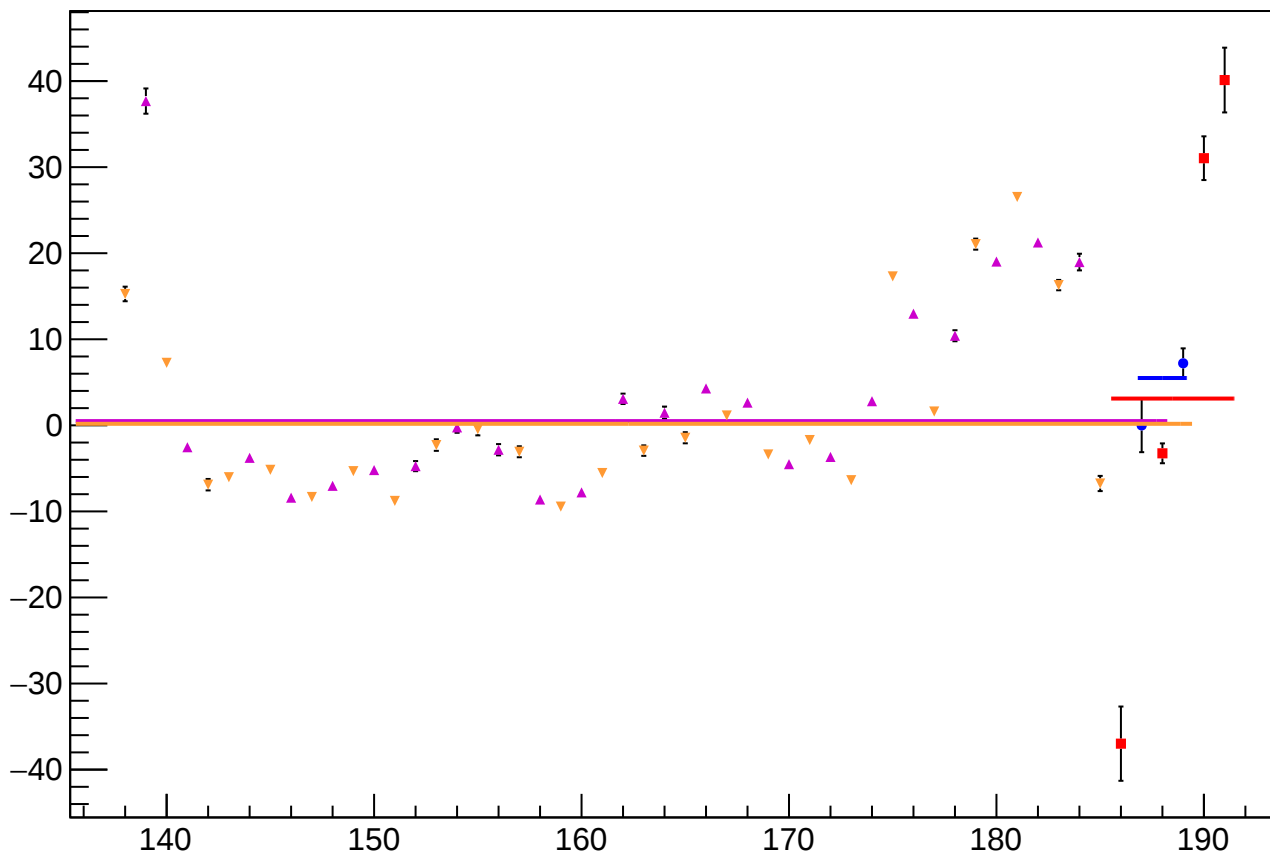
Right: 5.563+/-0.619 χ^2/NDF : 593.5/5

In: -24.415+/-0.142 χ^2/NDF : 15292.0/24

Out: -23.623+/-0.137 χ^2/NDF : 20750.9/28

All: -24.005+/-0.098 χ^2/NDF : 36059.0/53

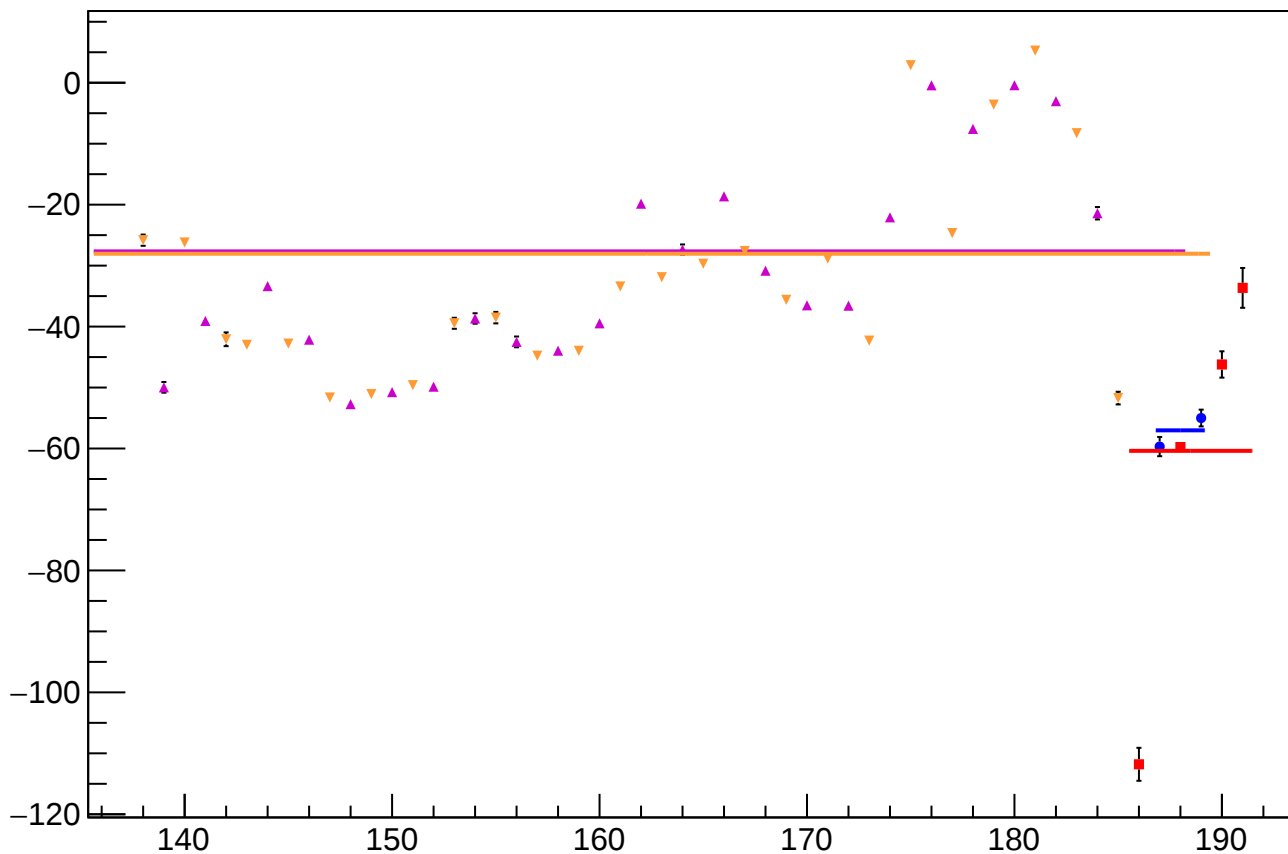
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.500 $\pm$ 1.513 χ^2 /NDF: 4.1/1
 Left Out: 0.177 $\pm$ 0.109 χ^2 /NDF:8295.6/24
 Right Out: 3.112 $\pm$ 0.984 χ^2 /NDF: 334.5/3
 Left In: 0.493 $\pm$ 0.112 χ^2 /NDF:6555.4/22

Left: 0.330 $\pm$ 0.078 χ^2 /NDF: 14855.0/47
 Right: 3.822 $\pm$ 0.825 χ^2 /NDF: 340.4/5
 In: 0.521 $\pm$ 0.112 χ^2 /NDF:6570.4/24
 Out: 0.213 $\pm$ 0.108 χ^2 /NDF:8638.9/28
 All: 0.361 $\pm$ 0.078 χ^2 /NDF: 15213.1/53

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -57.020 $\pm$ 1.037 χ^2 /NDF: 5.0/1

Left Out: -28.050 $\pm$ 0.140 χ^2 /NDF:17144.5/24

Right Out: -60.382 $\pm$ 0.594 χ^2 /NDF: 472.1/3

Left In: -27.666 $\pm$ 0.142 χ^2 /NDF:15003.2/22

Left: -27.862 $\pm$ 0.100 χ^2 /NDF: 32151.3/47

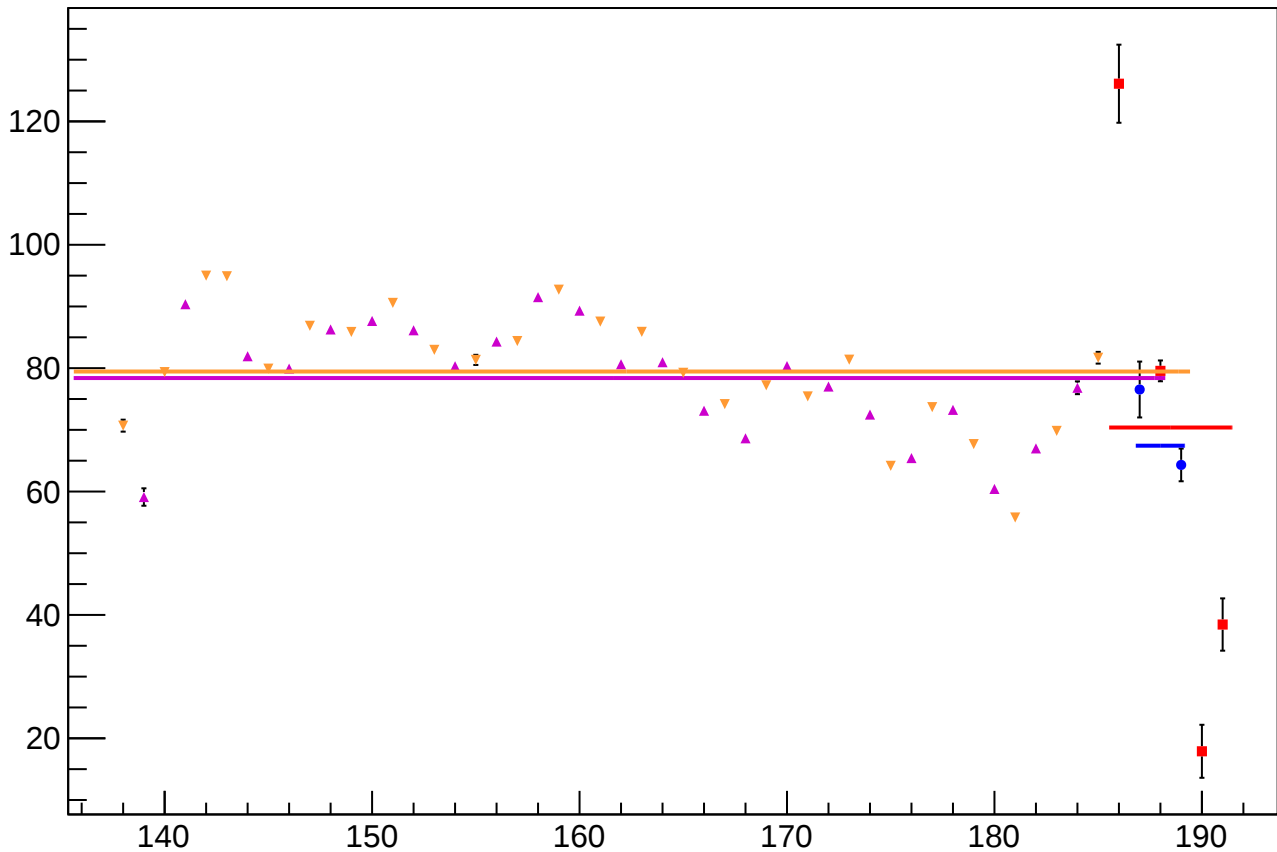
Right: -59.551 $\pm$ 0.516 χ^2 /NDF: 485.0/5

In: -28.210 $\pm$ 0.141 χ^2 /NDF:15794.2/24

Out: -29.746 $\pm$ 0.136 χ^2 /NDF:20419.5/28

All: -29.005 $\pm$ 0.098 χ^2 /NDF: 36275.1/53

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 67.432 $\pm$ 2.287 χ^2 /NDF: 5.4/1

Left Out: 79.456 $\pm$ 0.123 χ^2 /NDF: 6077.1/24

Right Out: 70.379 $\pm$ 1.434 χ^2 /NDF: 313.2/3

Left In: 78.396 $\pm$ 0.127 χ^2 /NDF: 4707.3/22

Left: 78.941 $\pm$ 0.088 χ^2 /NDF: 10820.4/47

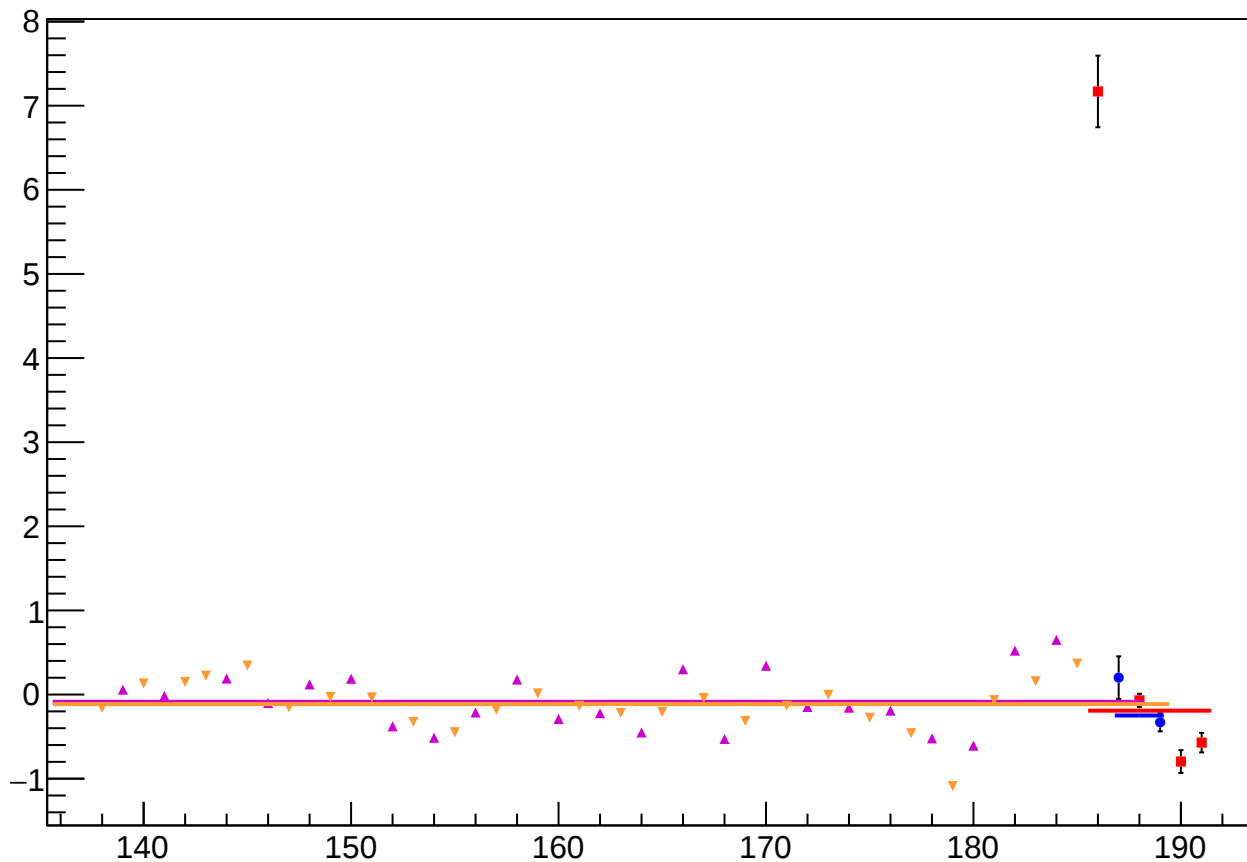
Right: 69.548 $\pm$ 1.215 χ^2 /NDF: 319.8/5

In: 78.363 $\pm$ 0.127 χ^2 /NDF: 4735.7/24

Out: 79.389 $\pm$ 0.123 χ^2 /NDF: 6430.1/28

All: 78.892 $\pm$ 0.088 χ^2 /NDF: 11199.7/53

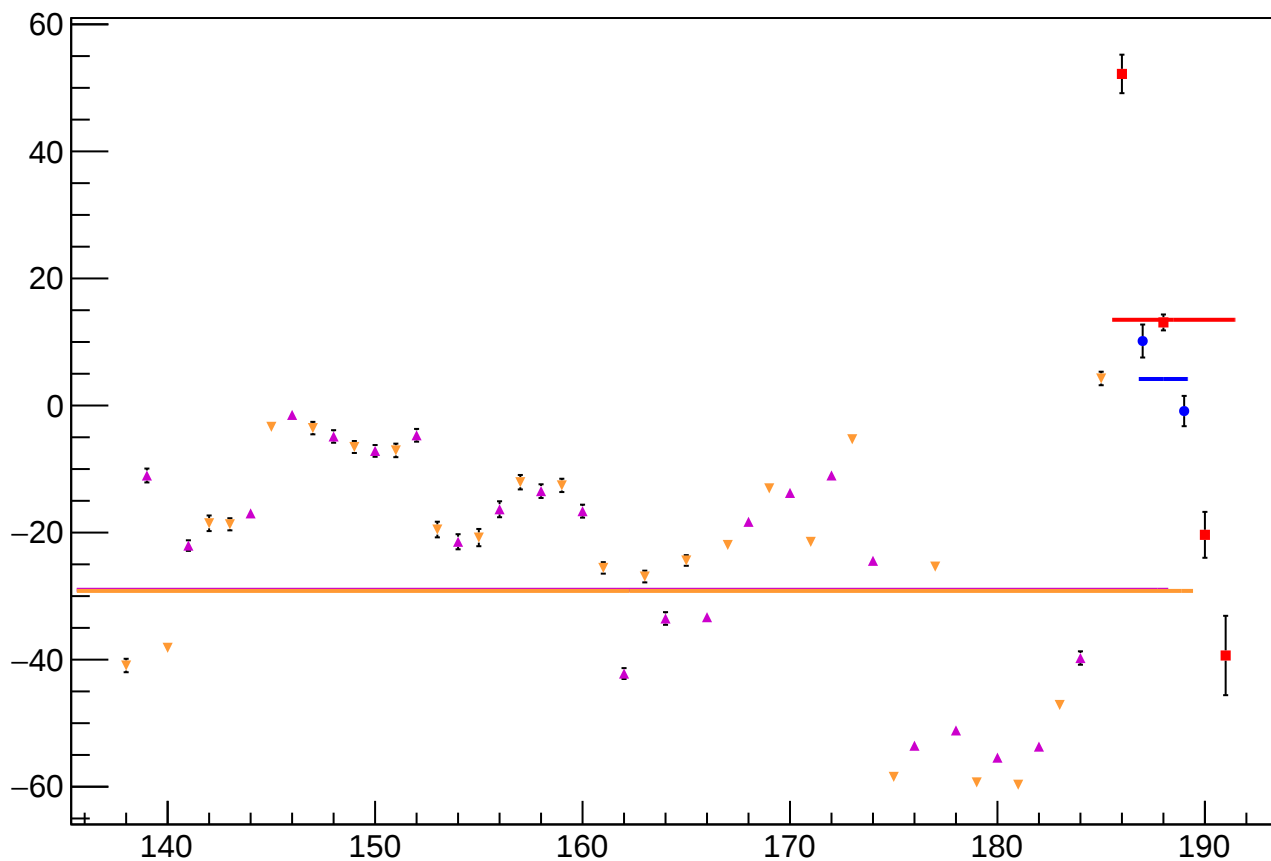
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.249 ± 0.099 χ^2/NDF : 3.7/1
 Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24
 Right Out: -0.191 ± 0.058 χ^2/NDF : 332.3/3
 Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

Left: -0.100 ± 0.004 χ^2/NDF : 5446.4/47
 Right: -0.206 ± 0.050 χ^2/NDF : 336.3/5
 In: -0.087 ± 0.006 χ^2/NDF : 3138.5/24
 Out: -0.114 ± 0.006 χ^2/NDF : 2637.2/28
 All: -0.101 ± 0.004 χ^2/NDF : 5787.2/53

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.175+/-1.756 χ^2/NDF : 9.8/1

Left Out: -29.180+/-0.157 χ^2/NDF :16912.2/24

Right Out: 13.495+/-1.085 χ^2/NDF : 322.6/3

Left In: -29.003+/-0.160 χ^2/NDF :13416.8/22

Left: -29.093+/-0.112 χ^2/NDF : 30329.6/47

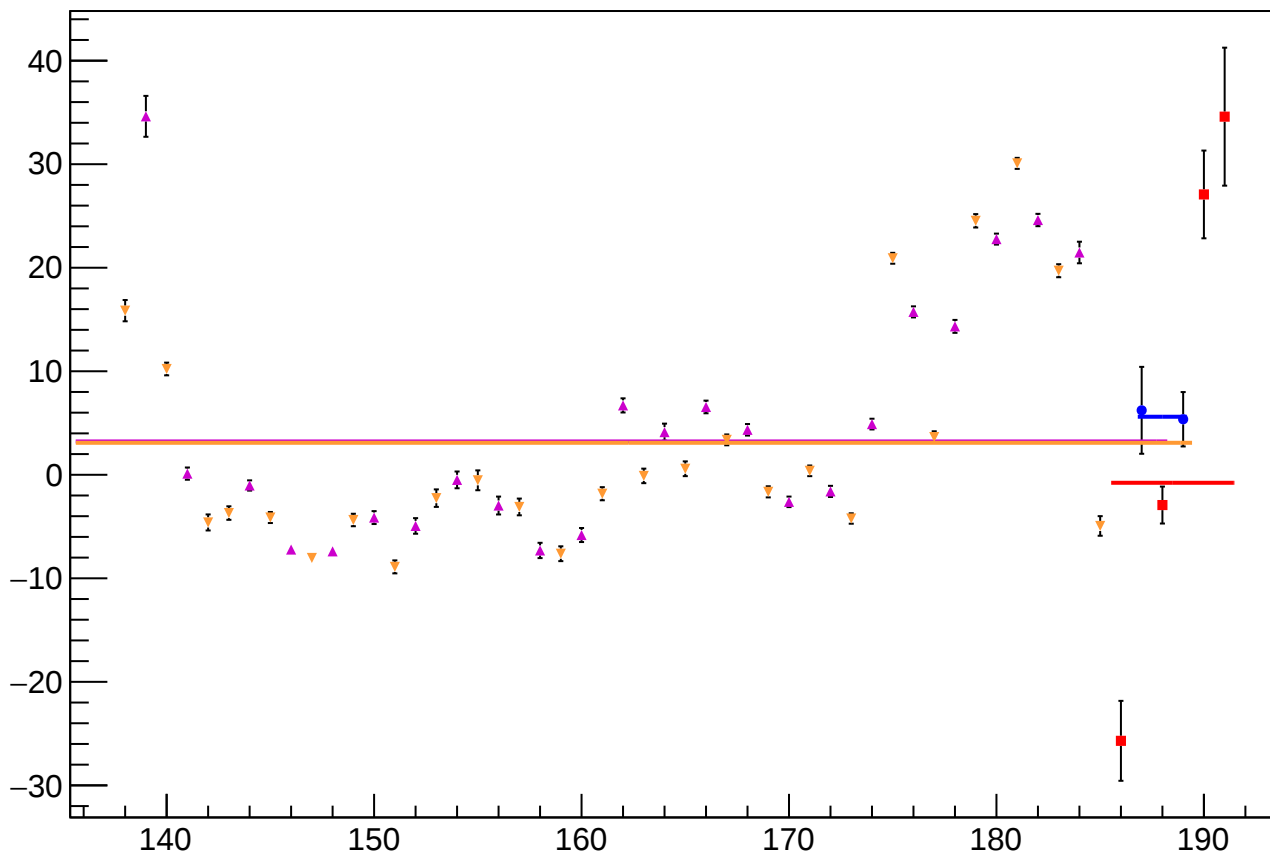
Right: 10.920+/-0.923 χ^2/NDF : 352.7/5

In: -28.730+/-0.159 χ^2/NDF :13780.4/24

Out: -28.308+/-0.155 χ^2/NDF :18749.3/28

All: -28.514+/-0.111 χ^2/NDF : 32533.3/53

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.607 $\pm$ 2.227 χ^2 /NDF: 0.0/1

Left Out: 3.091 $\pm$ 0.124 χ^2 /NDF:8084.1/24

Right Out: -0.772 $\pm$ 1.476 χ^2 /NDF: 114.5/3

Left In: 3.221 $\pm$ 0.127 χ^2 /NDF:6237.6/22

Left: 3.155 $\pm$ 0.089 χ^2 /NDF: 14322.2/47

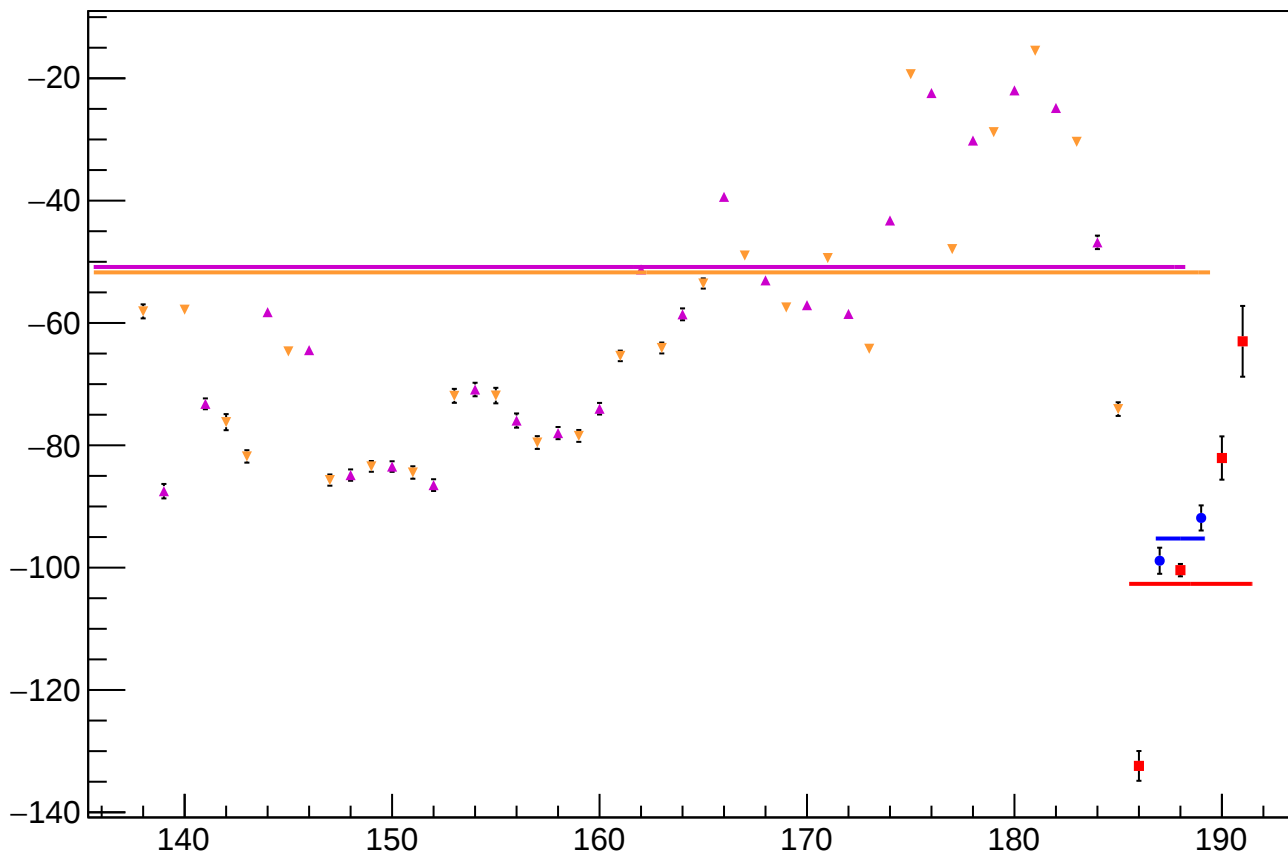
Right: 1.175 $\pm$ 1.230 χ^2 /NDF: 120.2/5

In: 3.229 $\pm$ 0.127 χ^2 /NDF:6238.8/24

Out: 3.063 $\pm$ 0.124 χ^2 /NDF:8205.4/28

All: 3.144 $\pm$ 0.089 χ^2 /NDF: 14445.0/53

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -95.239+/-1.479 χ^2/NDF : 5.6/1

Left Out: -51.729+/-0.158 χ^2/NDF :19538.0/24

Right Out: -102.651+/-0.892 χ^2/NDF : 235.0/3

Left In: -50.844+/-0.160 χ^2/NDF :17272.0/22

Left: -51.293+/-0.112 χ^2/NDF : 36825.5/47

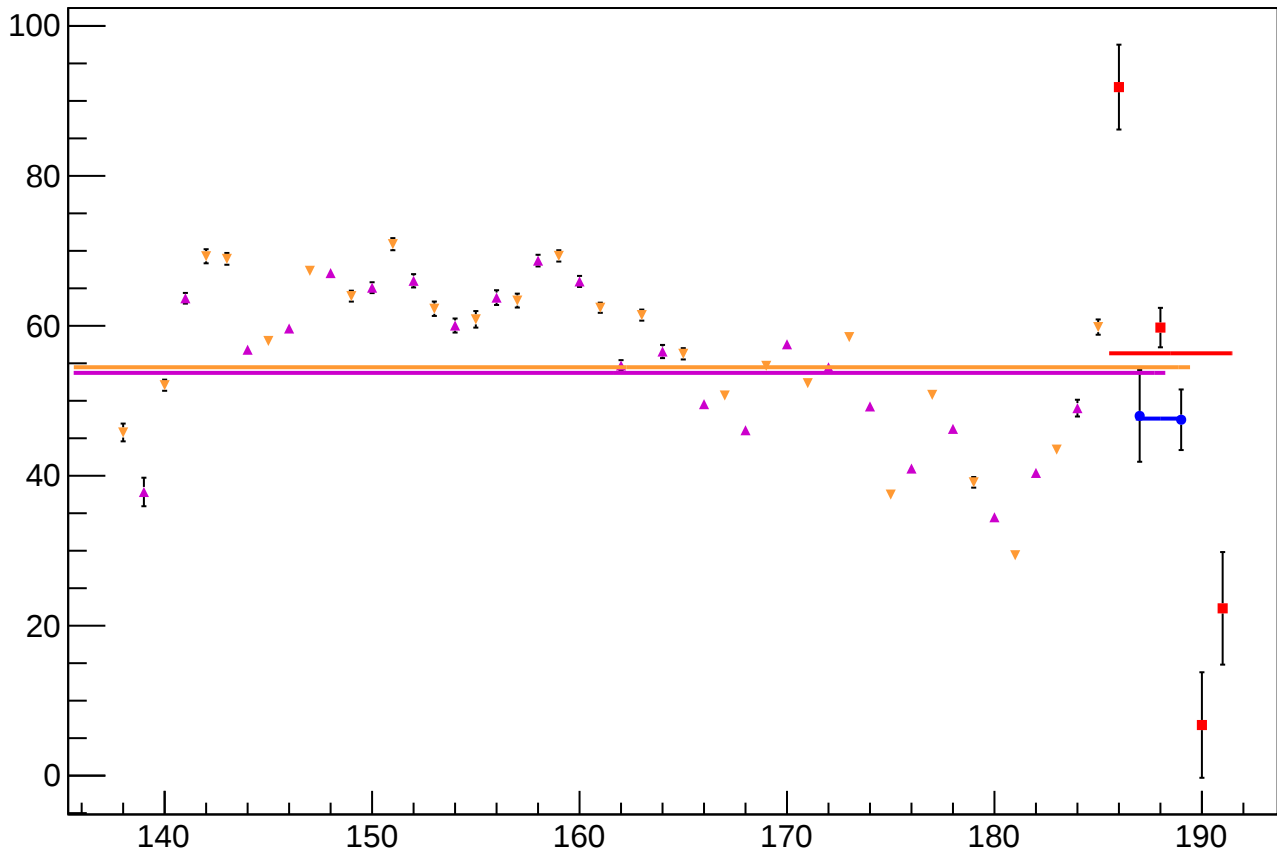
Right: -100.675+/-0.764 χ^2/NDF : 259.0/5

In: -51.358+/-0.159 χ^2/NDF :18167.6/24

Out: -53.276+/-0.155 χ^2/NDF :22933.8/28

All: -52.340+/-0.111 χ^2/NDF : 41175.7/53

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 47.626 $\pm$ 3.372 χ^2 /NDF: 0.0/1

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF:6266.9/24

Right Out: 56.334 $\pm$ 2.164 χ^2 /NDF: 111.2/3

Left In: 53.724 $\pm$ 0.143 χ^2 /NDF:4585.7/22

Left: 54.107 $\pm$ 0.100 χ^2 /NDF: 10866.7/47

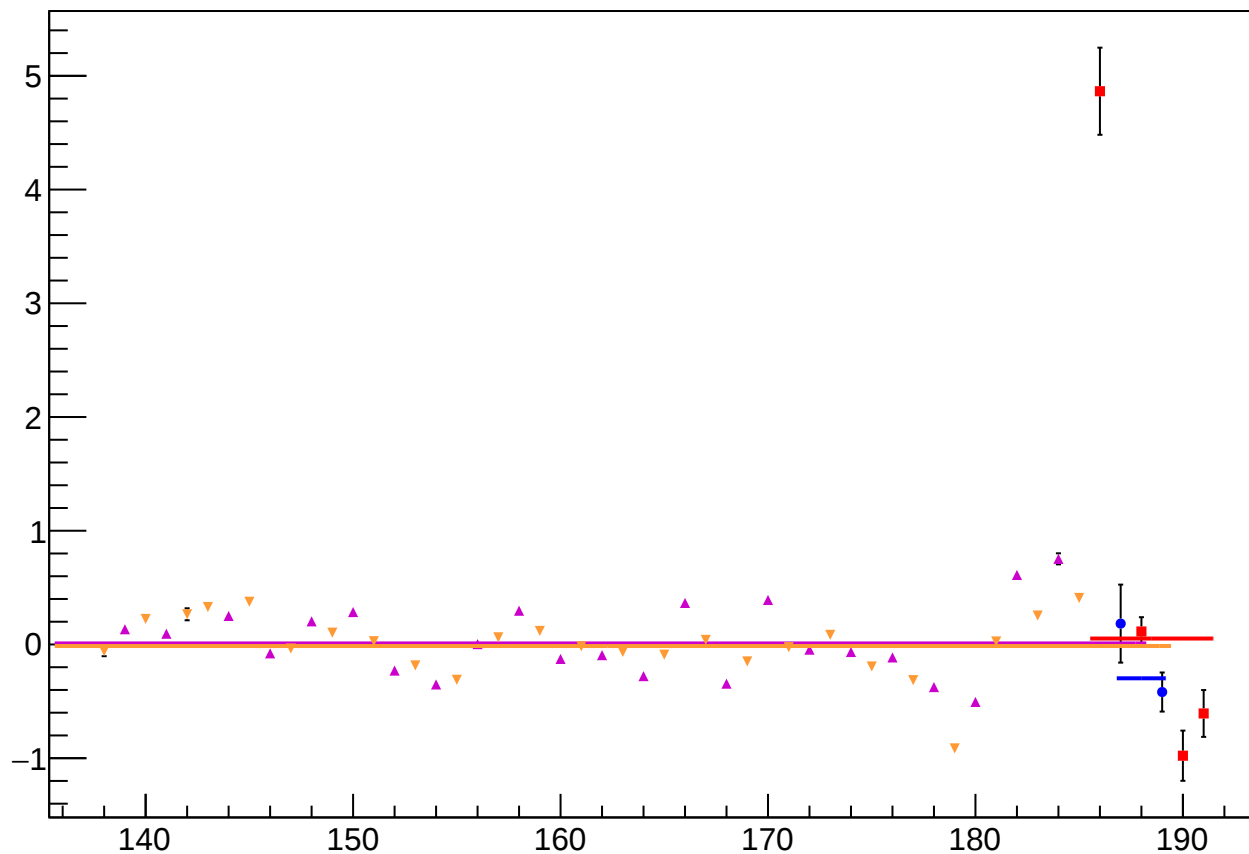
Right: 53.793 $\pm$ 1.821 χ^2 /NDF: 115.9/5

In: 53.713 $\pm$ 0.143 χ^2 /NDF:4589.0/24

Out: 54.484 $\pm$ 0.140 χ^2 /NDF:6378.9/28

All: 54.106 $\pm$ 0.100 χ^2 /NDF: 10982.7/53

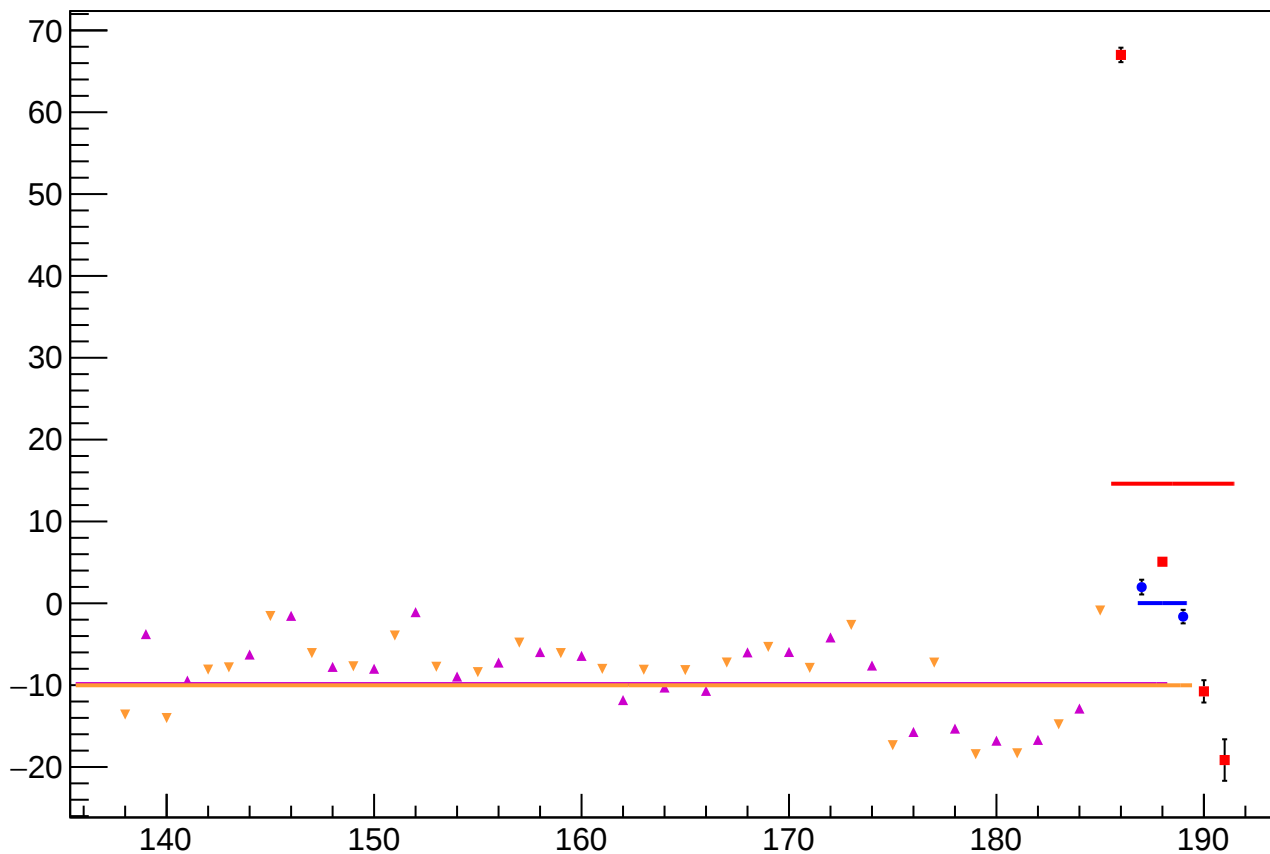
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.298 ± 0.154 χ^2/NDF : 2.5/1
 Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24
 Right Out: 0.052 ± 0.094 χ^2/NDF : 190.2/3
 Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

Left: -0.003 ± 0.005 χ^2/NDF : 3881.4/47
 Right: -0.043 ± 0.080 χ^2/NDF : 196.4/5
 In: 0.009 ± 0.007 χ^2/NDF : 2227.0/24
 Out: -0.013 ± 0.006 χ^2/NDF : 1845.4/28
 All: -0.003 ± 0.005 χ^2/NDF : 4078.0/53

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.025+/-0.610 χ^2/NDF : 8.7/1

Left Out: -10.017+/-0.051 χ^2/NDF :12552.8/24

Right Out: 14.613+/-0.378 χ^2/NDF : 4486.9/3

Left In: -9.865+/-0.051 χ^2/NDF :9345.4/22

Left: -9.942+/-0.036 χ^2/NDF : 21902.5/47

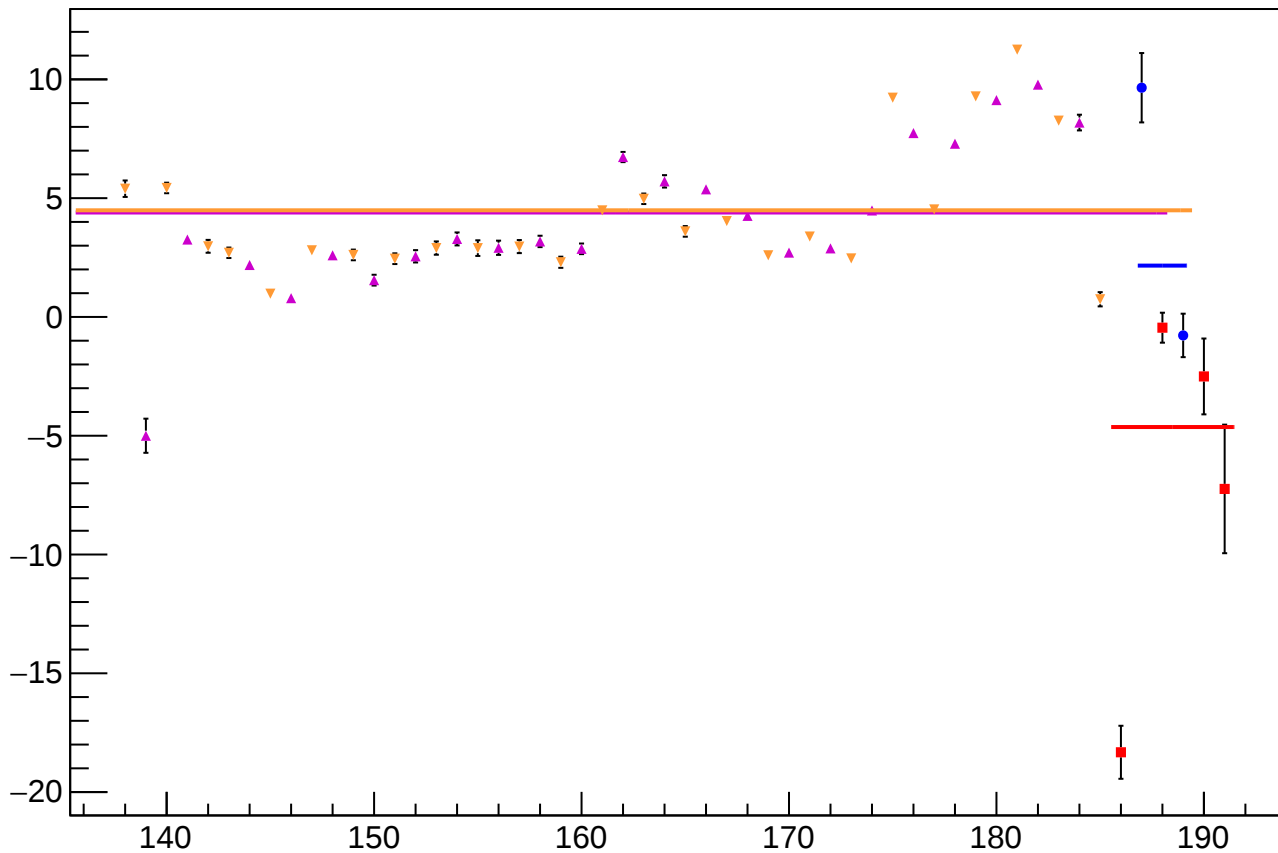
Right: 10.569+/-0.321 χ^2/NDF : 4908.9/5

In: -9.796+/-0.051 χ^2/NDF :9615.0/24

Out: -9.582+/-0.050 χ^2/NDF :21215.2/28

All: -9.687+/-0.036 χ^2/NDF : 30839.1/53

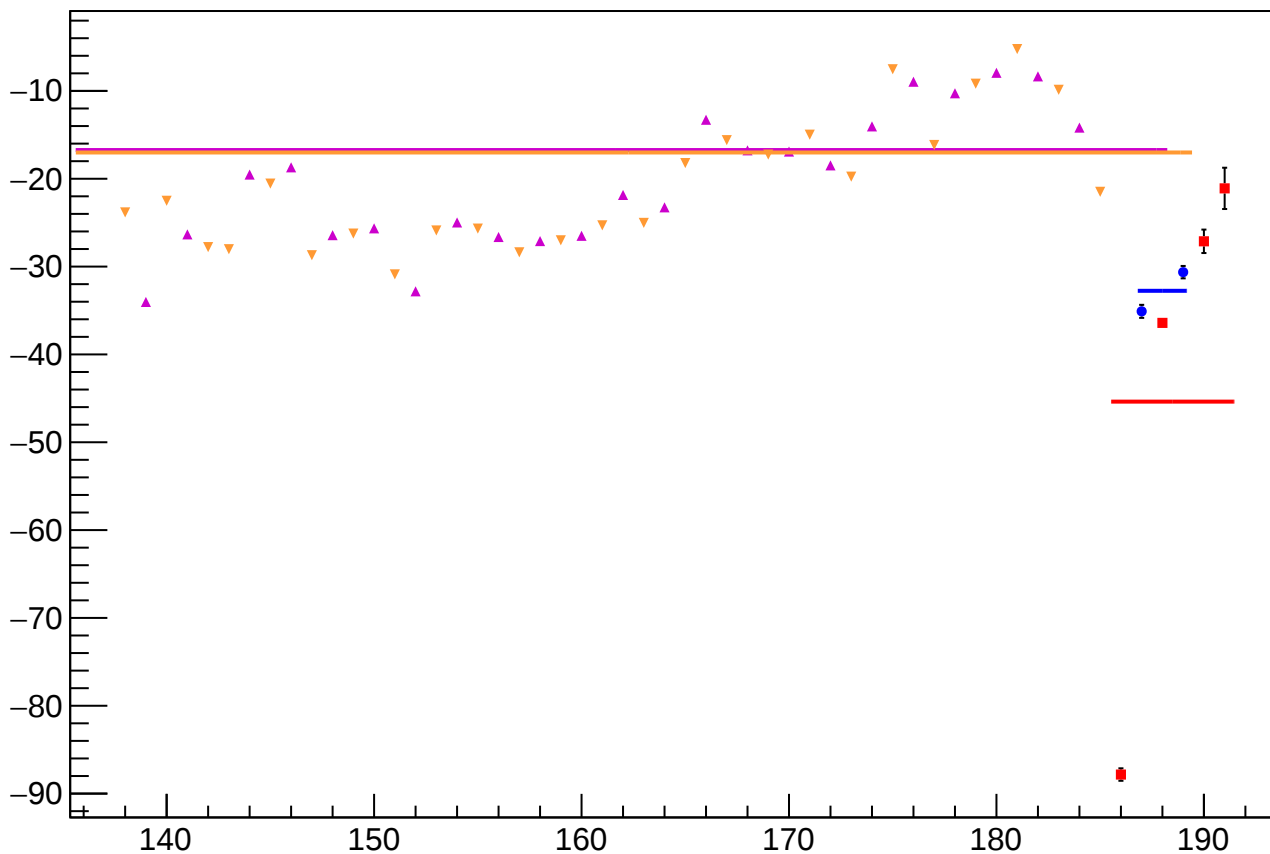
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.161 $\pm$ 0.775 χ^2 /NDF: 36.6/1
 Left Out: 4.489 $\pm$ 0.041 χ^2 /NDF: 4832.3/24
 Right Out: -4.634 $\pm$ 0.510 χ^2 /NDF: 197.1/3
 Left In: 4.396 $\pm$ 0.041 χ^2 /NDF: 4230.4/22

Left: 4.443 $\pm$ 0.029 χ^2 /NDF: 9065.3/47
 Right: -2.581 $\pm$ 0.426 χ^2 /NDF: 287.4/5
 In: 4.390 $\pm$ 0.041 χ^2 /NDF: 4275.3/24
 Out: 4.431 $\pm$ 0.041 χ^2 /NDF: 5347.4/28
 All: 4.411 $\pm$ 0.029 χ^2 /NDF: 9623.2/53

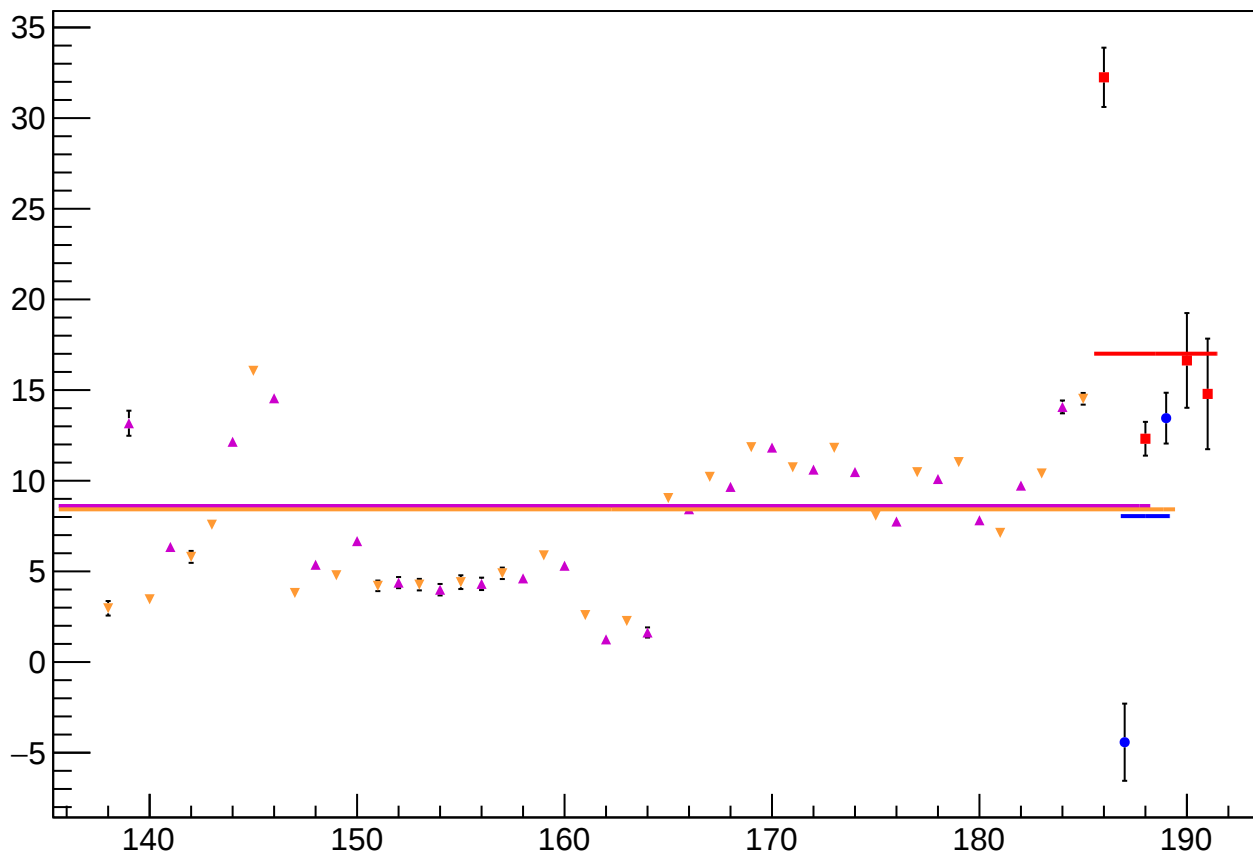
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -32.758 ± 0.511 $\chi^2/\text{NDF}: 19.0/1$
 Left Out: -17.008 ± 0.051 $\chi^2/\text{NDF}: 22094.7/24$
 Right Out: -45.374 ± 0.309 $\chi^2/\text{NDF}: 4482.6/3$
 Left In: -16.732 ± 0.052 $\chi^2/\text{NDF}: 18777.2/22$

Left: -16.871 ± 0.036 $\chi^2/\text{NDF}: 40886.5/47$
 Right: -41.997 ± 0.265 $\chi^2/\text{NDF}: 4947.2/5$
 In: -16.893 ± 0.051 $\chi^2/\text{NDF}: 19768.3/24$
 Out: -17.761 ± 0.050 $\chi^2/\text{NDF}: 34769.1/28$
 All: -17.335 ± 0.036 $\chi^2/\text{NDF}: 54683.5/53$

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.049+/-1.170 χ^2/NDF : 49.2/1

Left Out: 8.422+/-0.046 χ^2/NDF : 6470.1/24

Right Out: 17.007+/-0.749 χ^2/NDF : 112.8/3

Left In: 8.606+/-0.046 χ^2/NDF : 5504.2/22

Left: 8.513+/-0.032 χ^2/NDF : 11982.4/47

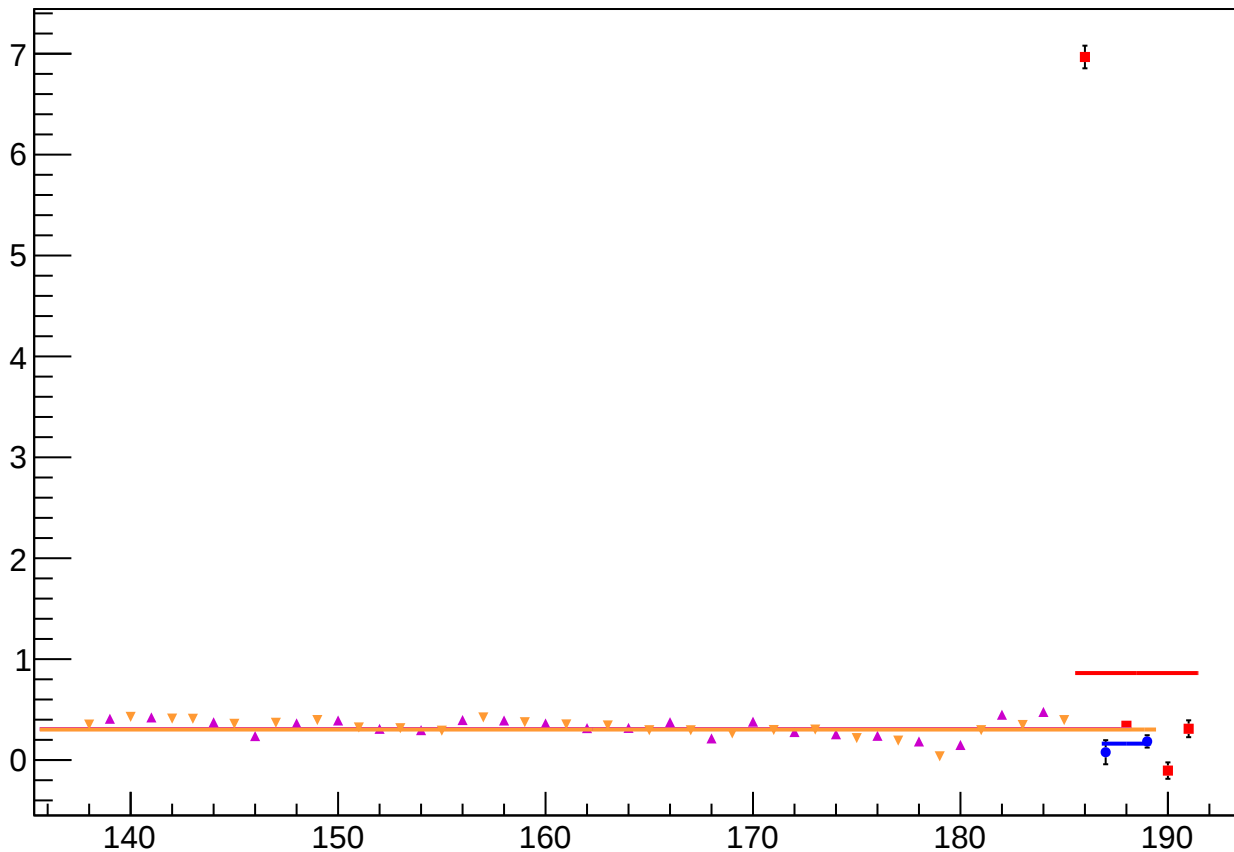
Right: 14.401+/-0.631 χ^2/NDF : 203.6/5

In: 8.605+/-0.046 χ^2/NDF : 5553.7/24

Out: 8.454+/-0.045 χ^2/NDF : 6713.7/28

All: 8.528+/-0.032 χ^2/NDF : 12272.8/53

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.162 $\pm$ 0.054 χ^2 /NDF: 0.6/1

Left Out: 0.302 $\pm$ 0.002 χ^2 /NDF:1590.9/24

Right Out: 0.862 $\pm$ 0.034 χ^2 /NDF: 3282.4/3

Left In: 0.307 $\pm$ 0.002 χ^2 /NDF:1699.5/22

Left: 0.305 $\pm$ 0.001 χ^2 /NDF: 3293.0/47

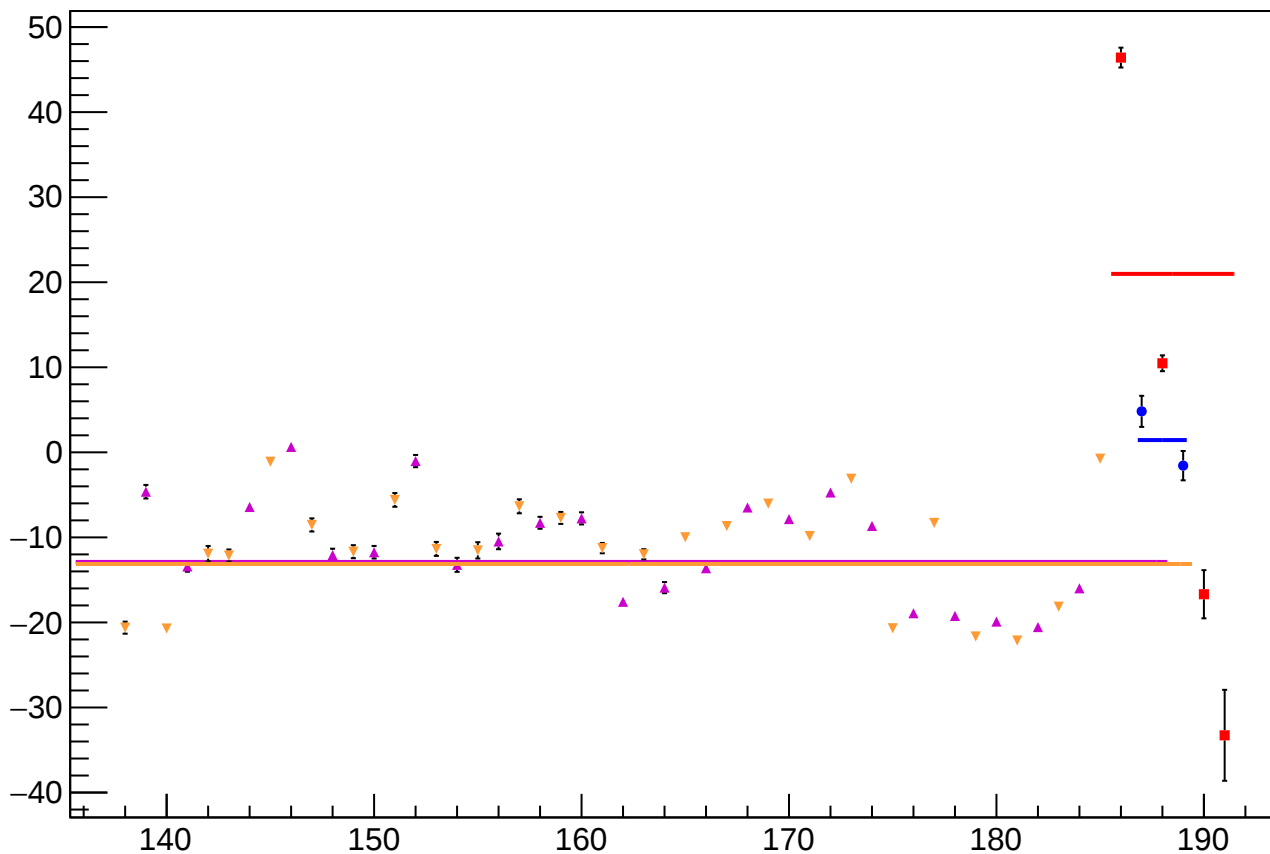
Right: 0.667 $\pm$ 0.029 χ^2 /NDF: 3402.1/5

In: 0.307 $\pm$ 0.002 χ^2 /NDF:1707.2/24

Out: 0.305 $\pm$ 0.002 χ^2 /NDF:5145.1/28

All: 0.306 $\pm$ 0.001 χ^2 /NDF: 6853.0/53

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.442 ± 1.255 $\chi^2/\text{NDF}: 6.4/1$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: 20.981 ± 0.699 $\chi^2/\text{NDF}: 882.2/3$

Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

Left: -13.007 ± 0.067 $\chi^2/\text{NDF}: 10757.0/47$

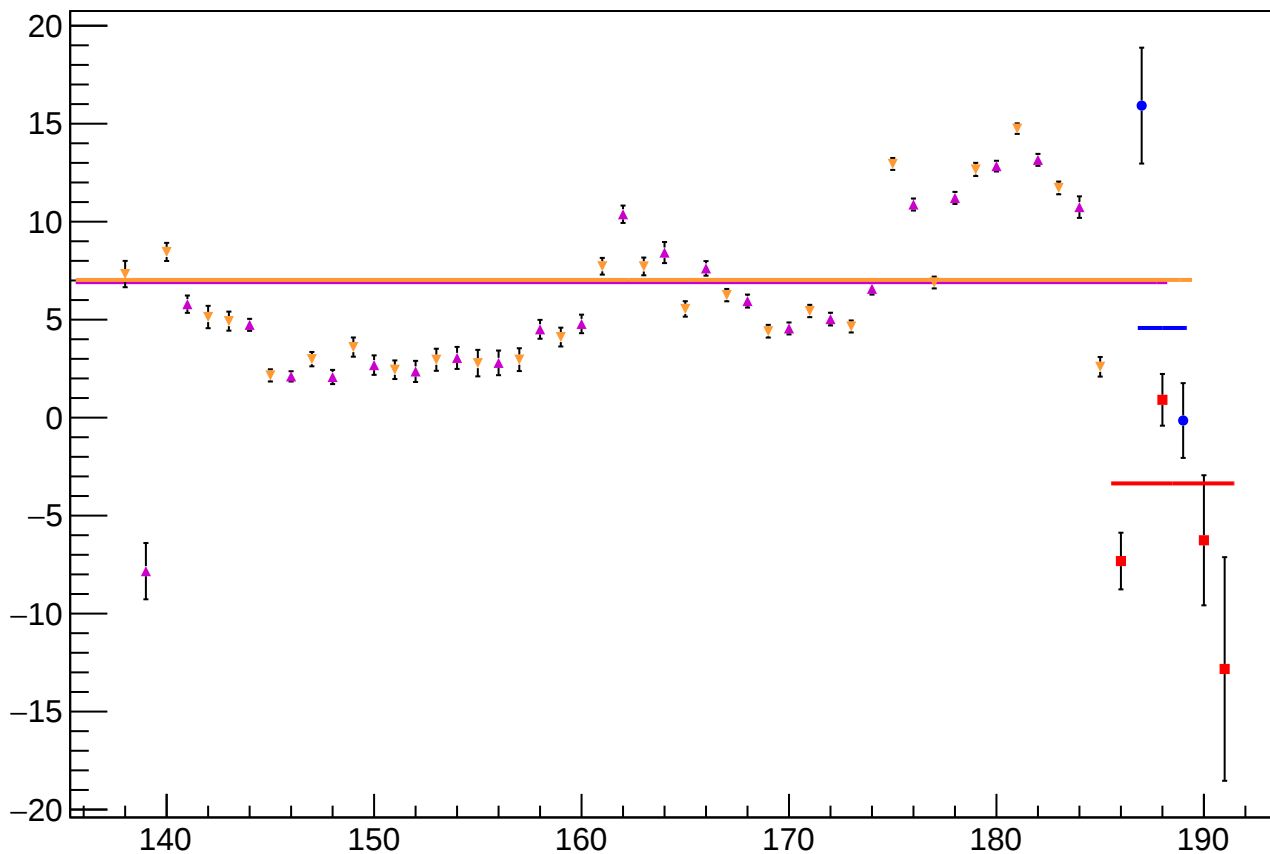
Right: 16.353 ± 0.611 $\chi^2/\text{NDF}: 1073.6/5$

In: -12.804 ± 0.095 $\chi^2/\text{NDF}: 4912.2/24$

Out: -12.524 ± 0.093 $\chi^2/\text{NDF}: 9197.1/28$

All: -12.661 ± 0.066 $\chi^2/\text{NDF}: 14113.7/53$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.576 ± 1.603 $\chi^2/\text{NDF}: 20.9/1$

Left Out: 7.028 ± 0.077 $\chi^2/\text{NDF}: 2665.3/24$

Right Out: -3.357 ± 0.923 $\chi^2/\text{NDF}: 21.5/3$

Left In: 6.914 ± 0.078 $\chi^2/\text{NDF}: 2428.2/22$

Left: 6.971 ± 0.055 $\chi^2/\text{NDF}: 5094.6/47$

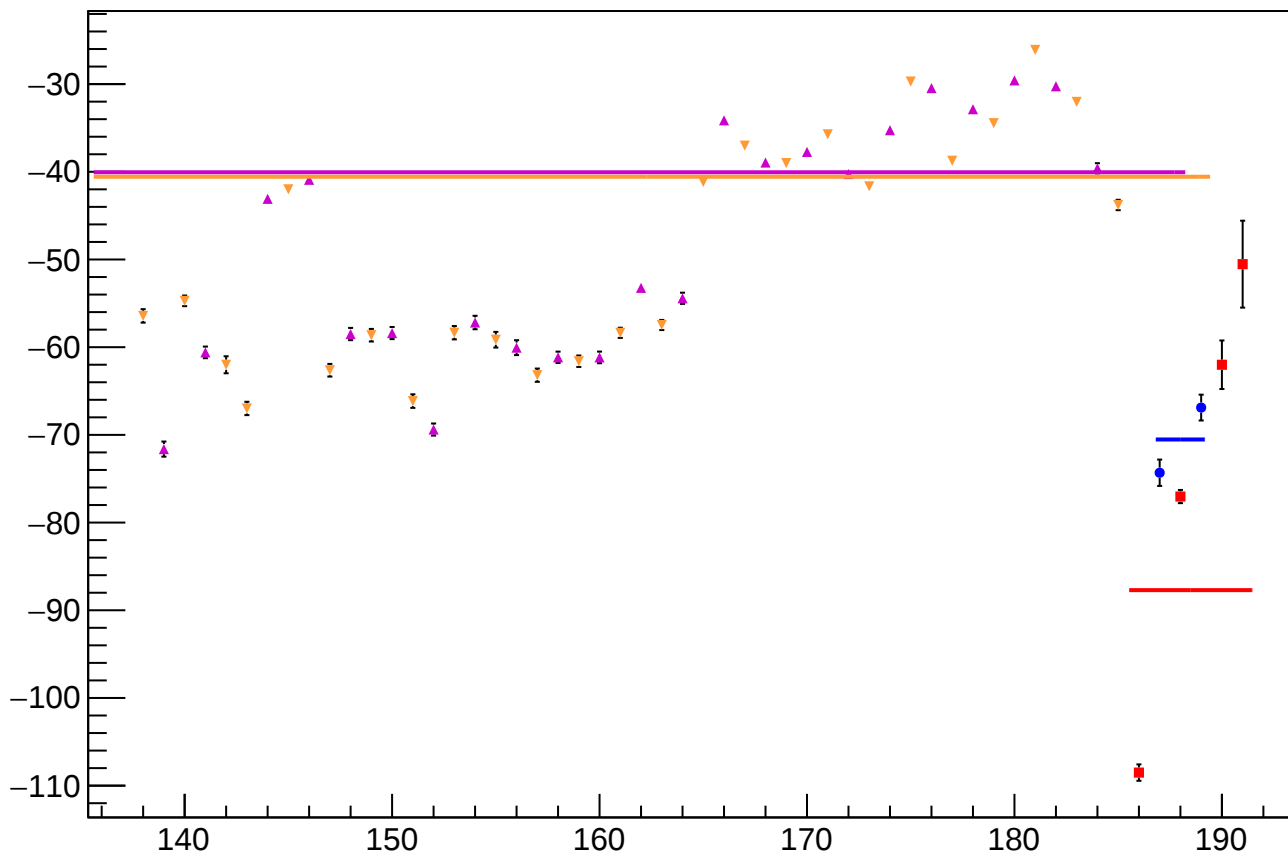
Right: -1.383 ± 0.800 $\chi^2/\text{NDF}: 60.7/5$

In: 6.908 ± 0.078 $\chi^2/\text{NDF}: 2451.2/24$

Out: 6.955 ± 0.077 $\chi^2/\text{NDF}: 2812.6/28$

All: 6.932 ± 0.055 $\chi^2/\text{NDF}: 5264.0/53$

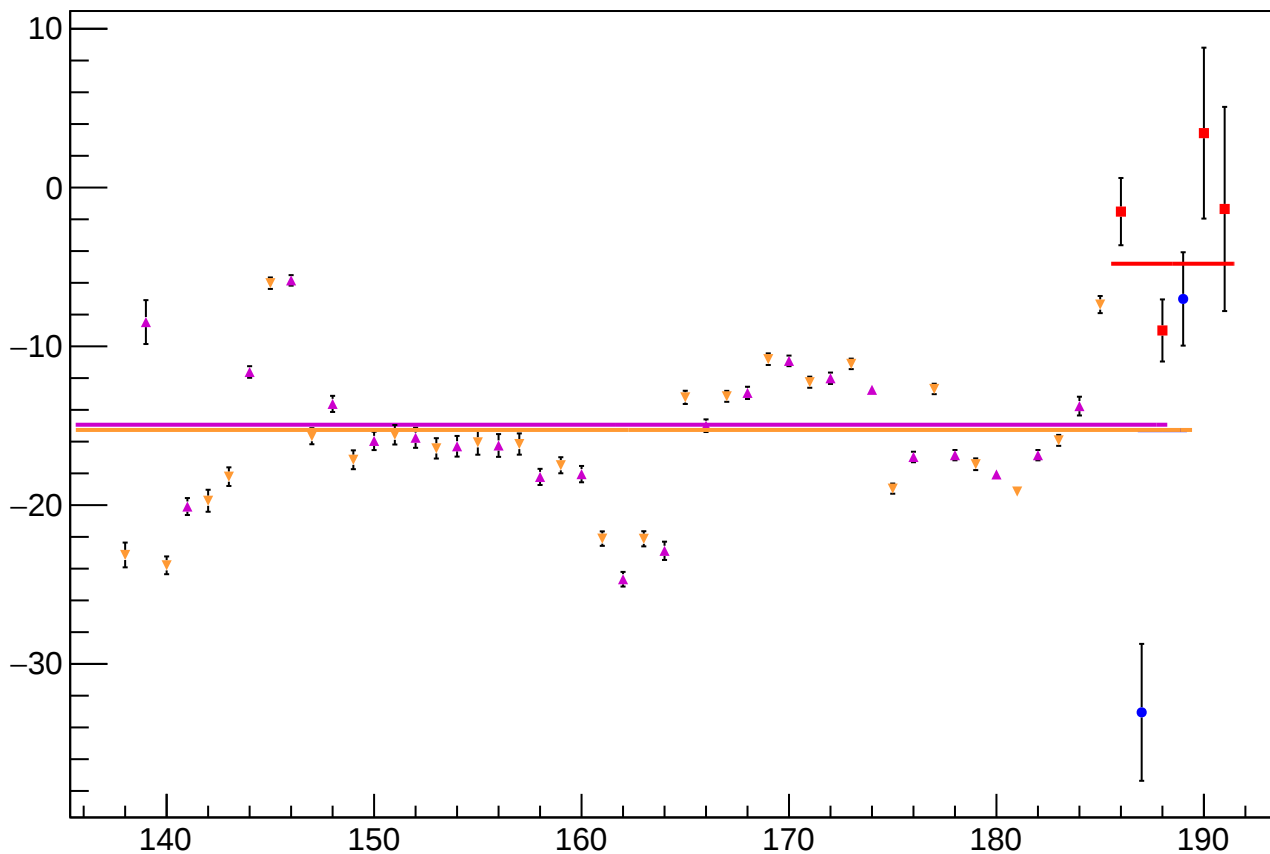
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -70.525 ± 1.052 $\chi^2/\text{NDF}: 12.5/1$
 Left Out: -40.563 ± 0.095 $\chi^2/\text{NDF}: 15637.6/24$
 Right Out: -87.705 ± 0.569 $\chi^2/\text{NDF}: 838.7/3$
 Left In: -40.053 ± 0.096 $\chi^2/\text{NDF}: 13927.3/22$

Left: -40.310 ± 0.067 $\chi^2/\text{NDF}: 29579.2/47$
 Right: -83.810 ± 0.501 $\chi^2/\text{NDF}: 1057.5/5$
 In: -40.303 ± 0.095 $\chi^2/\text{NDF}: 14772.4/24$
 Out: -41.832 ± 0.093 $\chi^2/\text{NDF}: 23145.8/28$
 All: -41.083 ± 0.067 $\chi^2/\text{NDF}: 38049.4/53$

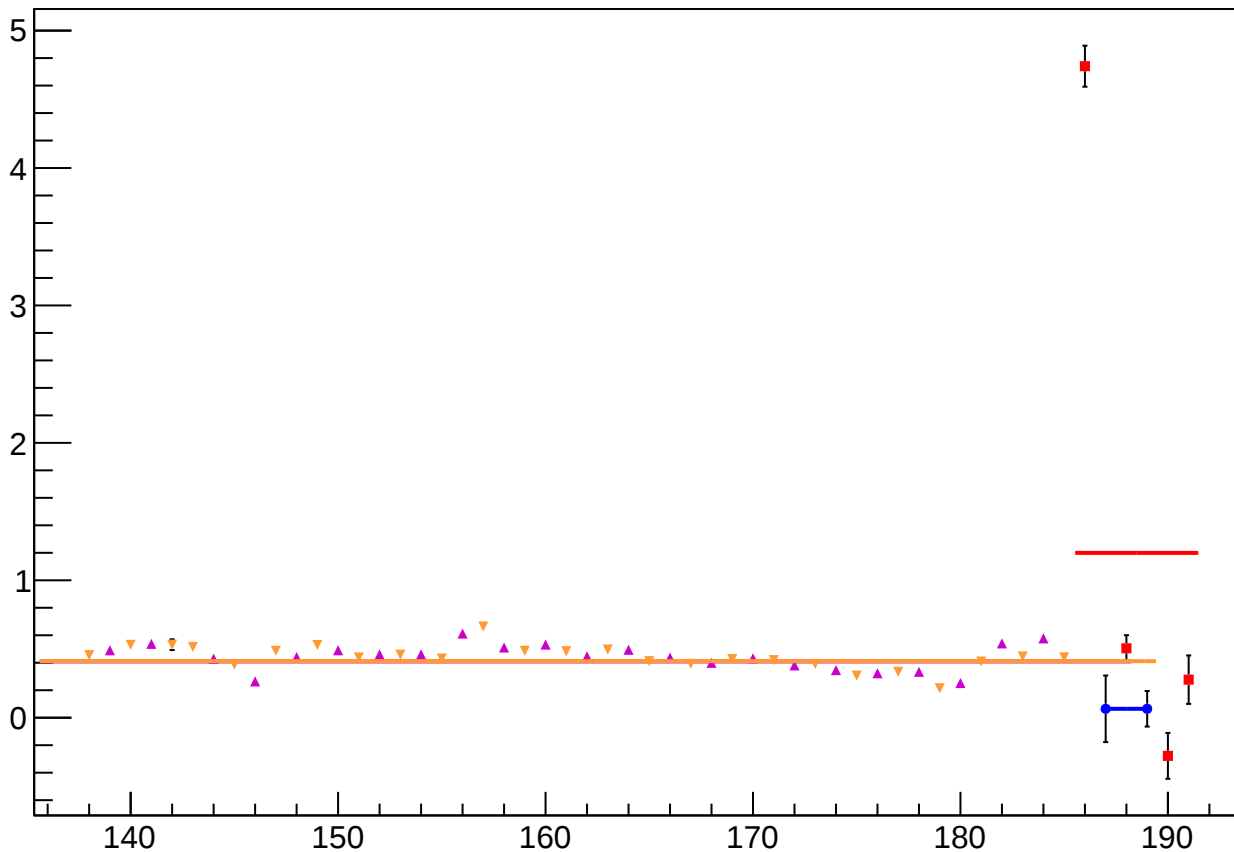
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.280 ± 2.429 $\chi^2/\text{NDF}: 24.9/1$
 Left Out: -15.266 ± 0.086 $\chi^2/\text{NDF}: 2595.5/24$
 Right Out: -4.797 ± 1.357 $\chi^2/\text{NDF}: 9.6/3$
 Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

Left: -15.103 ± 0.061 $\chi^2/\text{NDF}: 4802.4/47$
 Right: -7.290 ± 1.184 $\chi^2/\text{NDF}: 48.7/5$
 In: -14.937 ± 0.087 $\chi^2/\text{NDF}: 2224.6/24$
 Out: -15.224 ± 0.086 $\chi^2/\text{NDF}: 2664.4/28$
 All: -15.082 ± 0.061 $\chi^2/\text{NDF}: 4894.6/53$

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065 $\pm$ 0.114 χ^2 /NDF: 0.0/1

Left Out: 0.411 $\pm$ 0.004 χ^2 /NDF: 428.7/24

Right Out: 1.200 $\pm$ 0.067 χ^2 /NDF: 720.7/3

Left In: 0.409 $\pm$ 0.004 χ^2 /NDF: 557.8/22

Left: 0.410 $\pm$ 0.003 χ^2 /NDF: 986.7/47

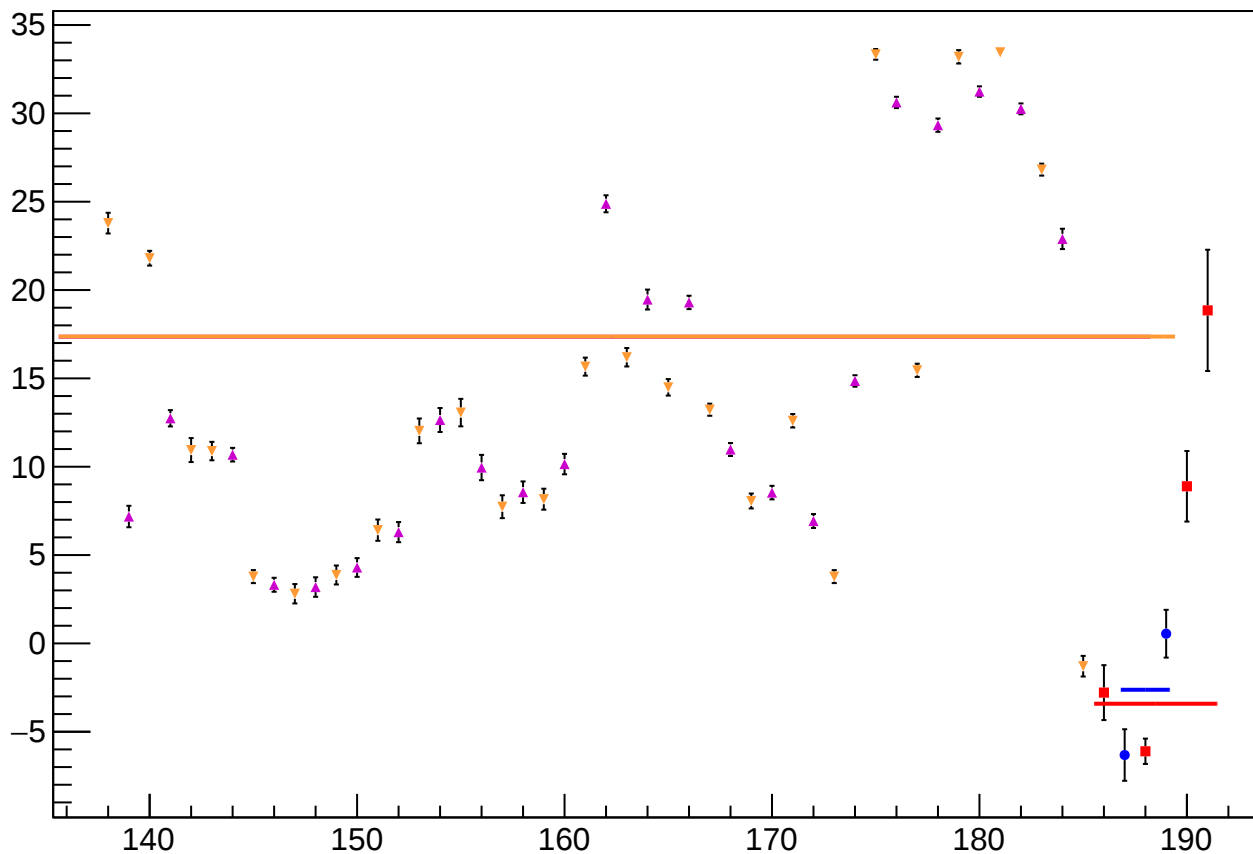
Right: 0.908 $\pm$ 0.058 χ^2 /NDF: 794.1/5

In: 0.409 $\pm$ 0.004 χ^2 /NDF: 567.0/24

Out: 0.414 $\pm$ 0.004 χ^2 /NDF: 1286.9/28

All: 0.412 $\pm$ 0.003 χ^2 /NDF: 1854.7/53

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.624 ± 0.992 χ^2/NDF : 11.9/1

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: -3.414 ± 0.609 χ^2/NDF : 94.3/3

Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

Left: 17.361 ± 0.062 χ^2/NDF : 29082.8/47

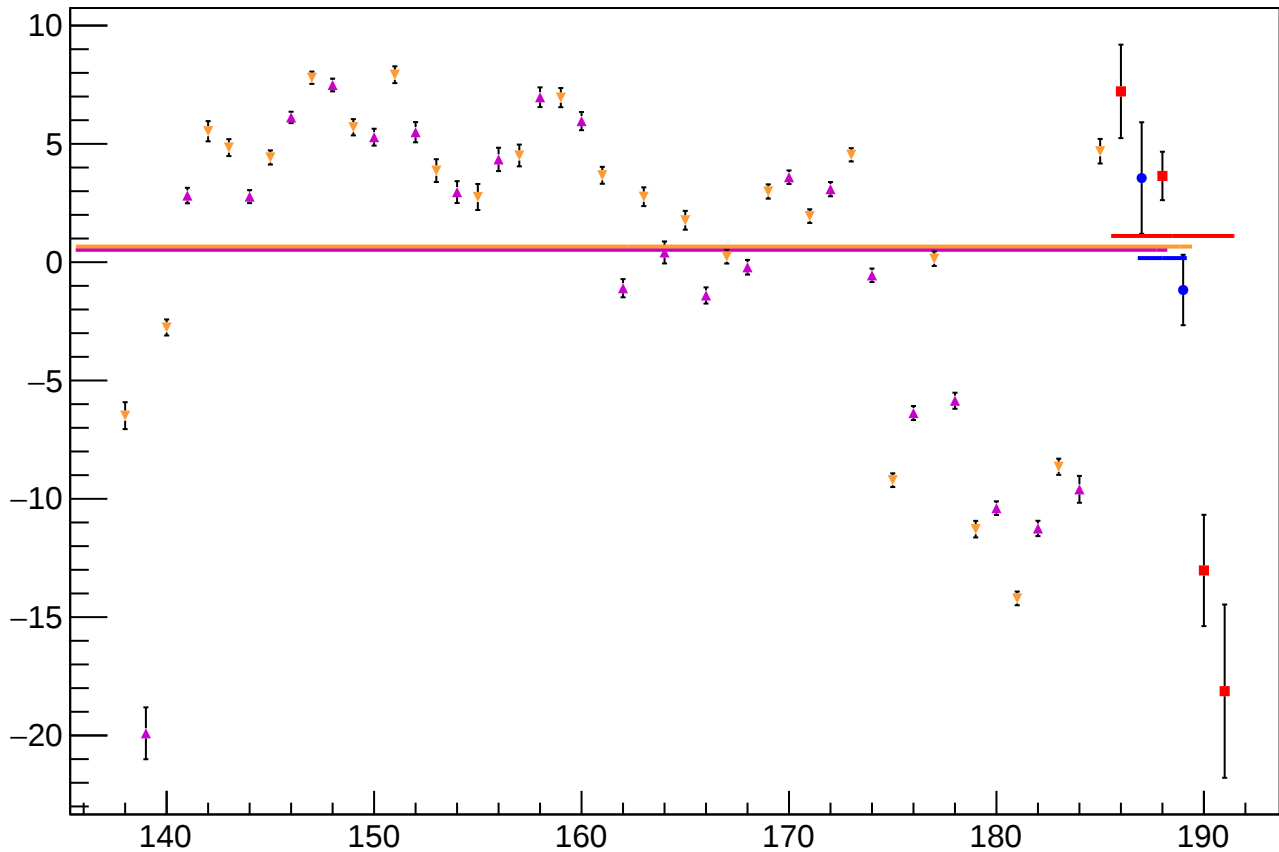
Right: -3.198 ± 0.519 χ^2/NDF : 106.7/5

In: 17.196 ± 0.089 χ^2/NDF : 13159.9/24

Out: 16.951 ± 0.086 χ^2/NDF : 17573.1/28

All: 17.070 ± 0.062 χ^2/NDF : 30736.9/53

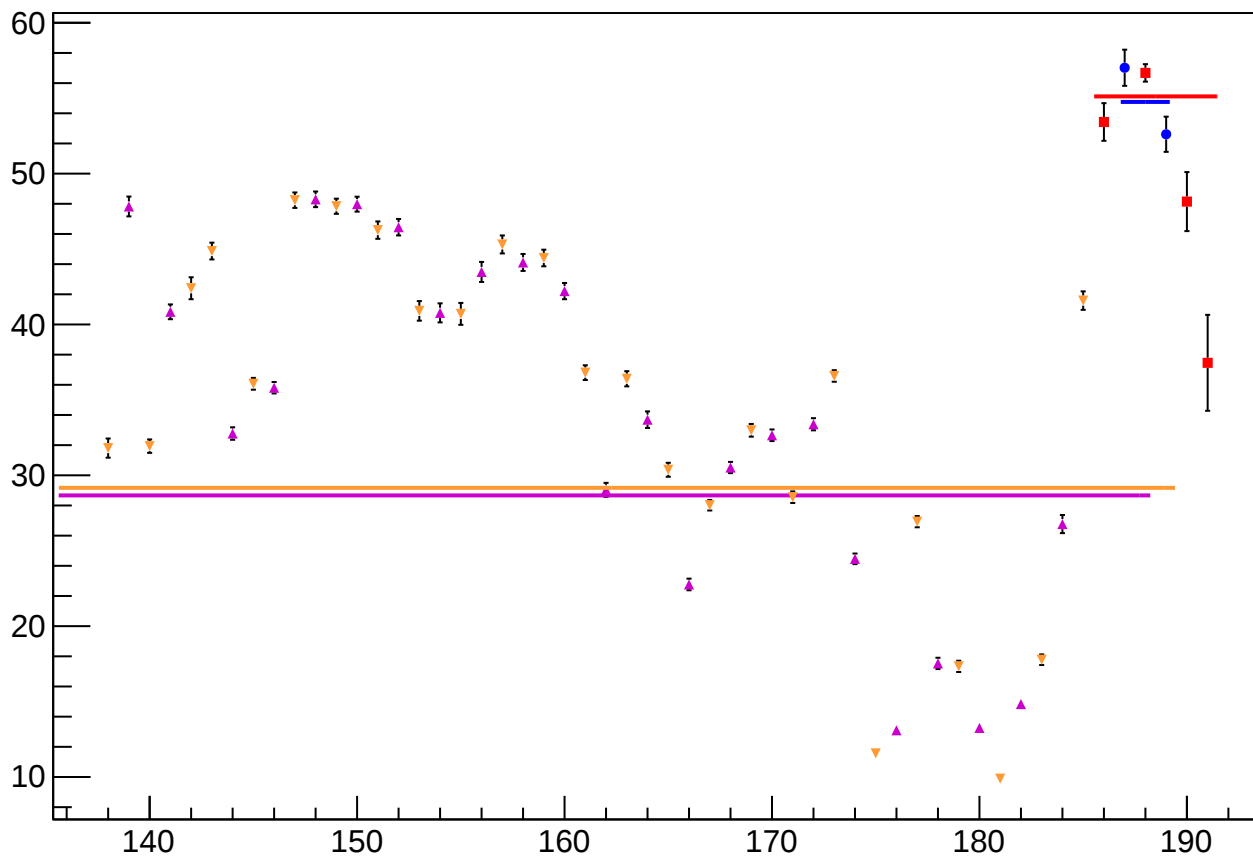
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.173 ± 1.258 $\chi^2/\text{NDF}: 2.9/1$
 Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$
 Right Out: 1.109 ± 0.826 $\chi^2/\text{NDF}: 79.4/3$
 Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

Left: 0.594 ± 0.050 $\chi^2/\text{NDF}: 15285.5/47$
 Right: 0.827 ± 0.690 $\chi^2/\text{NDF}: 82.7/5$
 In: 0.523 ± 0.071 $\chi^2/\text{NDF}: 6732.7/24$
 Out: 0.664 ± 0.069 $\chi^2/\text{NDF}: 8633.6/28$
 All: 0.595 ± 0.049 $\chi^2/\text{NDF}: 15368.3/53$

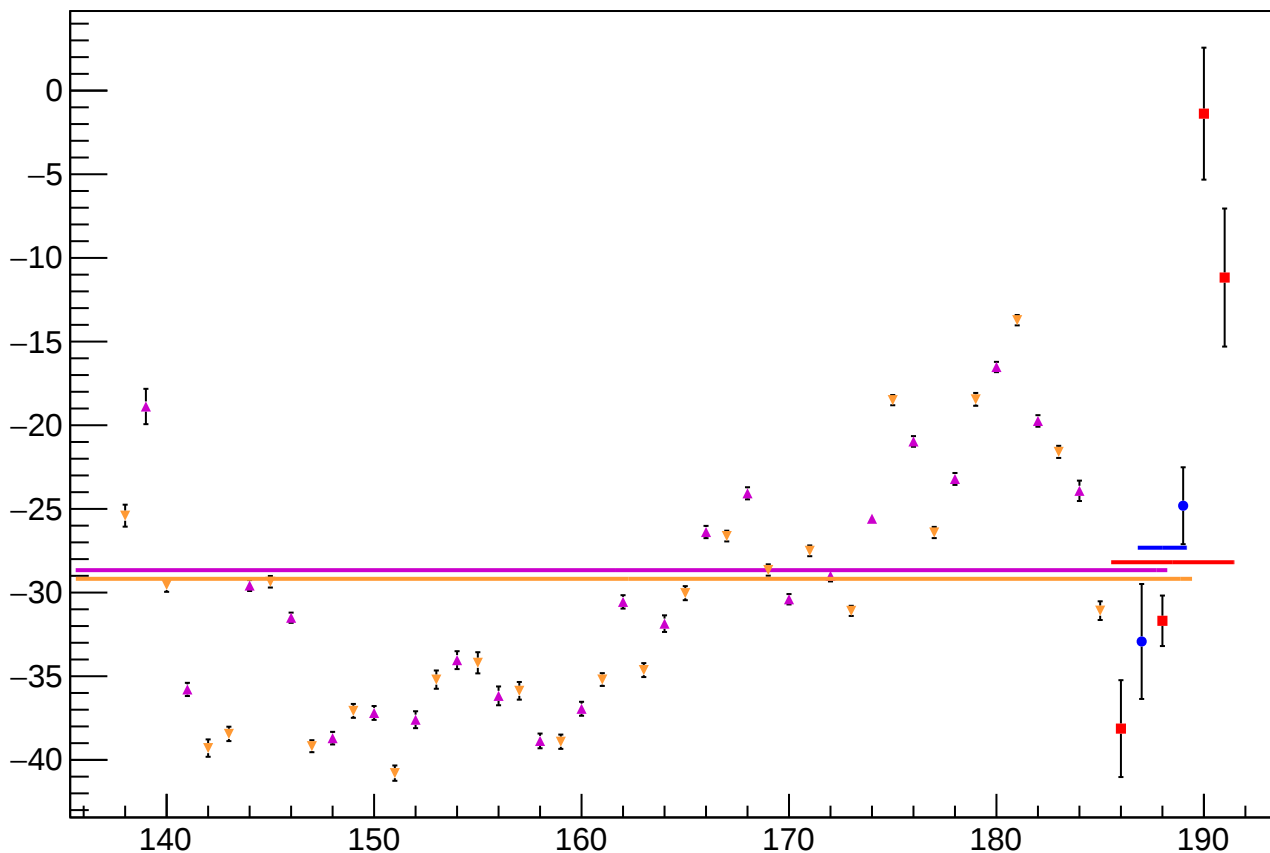
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 54.754 $\pm$ 0.836 χ^2 /NDF: 6.9/1
 Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF:18974.7/24
 Right Out: 55.119 $\pm$ 0.501 χ^2 /NDF: 52.6/3
 Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

Left: 28.923 $\pm$ 0.063 χ^2 /NDF: 35838.1/47
 Right: 55.023 $\pm$ 0.430 χ^2 /NDF: 59.7/5
 In: 28.960 $\pm$ 0.089 χ^2 /NDF:17816.7/24
 Out: 29.945 $\pm$ 0.086 χ^2 /NDF:21633.4/28
 All: 29.465 $\pm$ 0.062 χ^2 /NDF: 39513.3/53

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



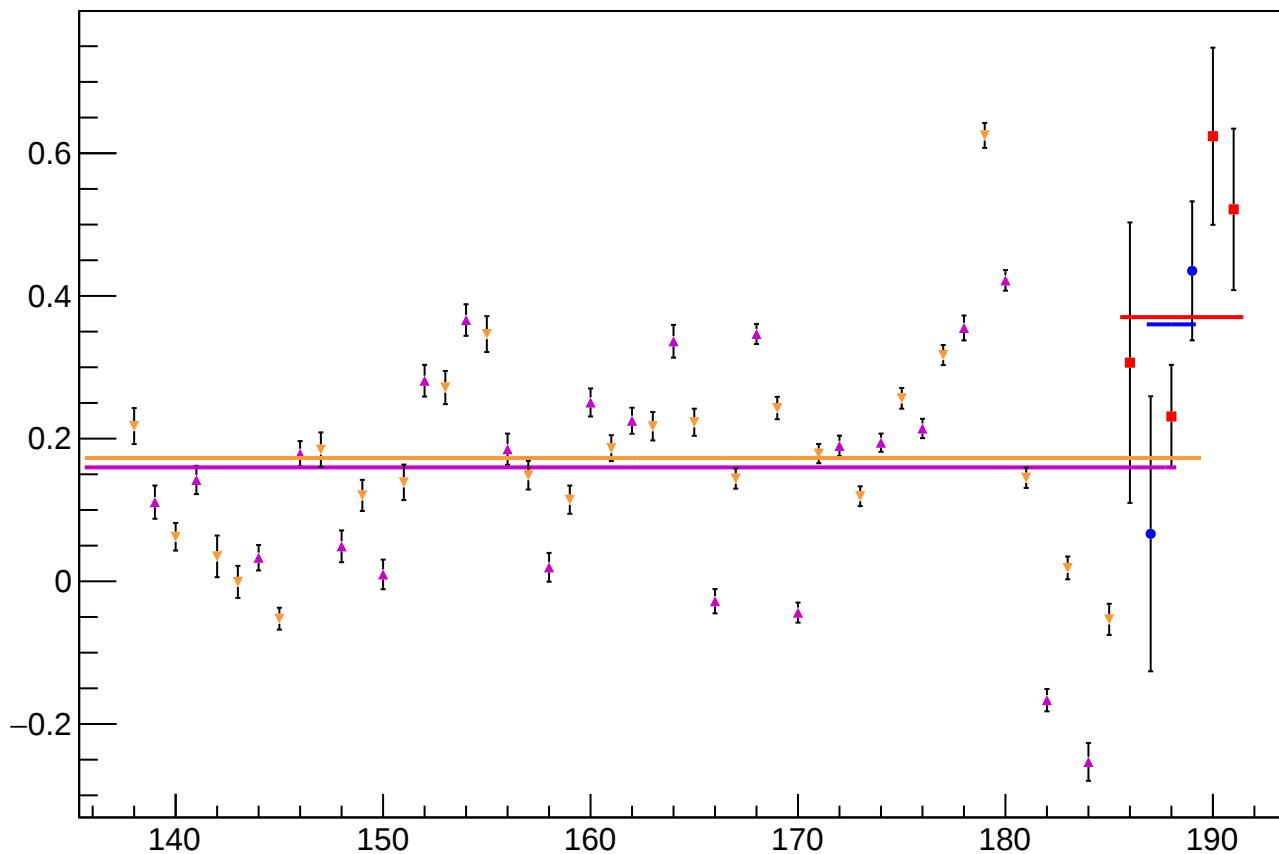
Right In: -27.319 ± 1.910 $\chi^2/\text{NDF}: 3.9/1$
 Left Out: -29.178 ± 0.078 $\chi^2/\text{NDF}: 9081.4/24$
 Right Out: -28.187 ± 1.211 $\chi^2/\text{NDF}: 80.4/3$
 Left In: -28.660 ± 0.080 $\chi^2/\text{NDF}: 6670.1/22$

Left: -28.924 ± 0.056 $\chi^2/\text{NDF}: 15773.0/47$
 Right: -27.938 ± 1.023 $\chi^2/\text{NDF}: 84.4/5$

In: -28.658 ± 0.080 $\chi^2/\text{NDF}: 6674.5/24$
 Out: -29.174 ± 0.078 $\chi^2/\text{NDF}: 9162.5/28$

All: -28.922 ± 0.056 $\chi^2/\text{NDF}: 15858.3/53$

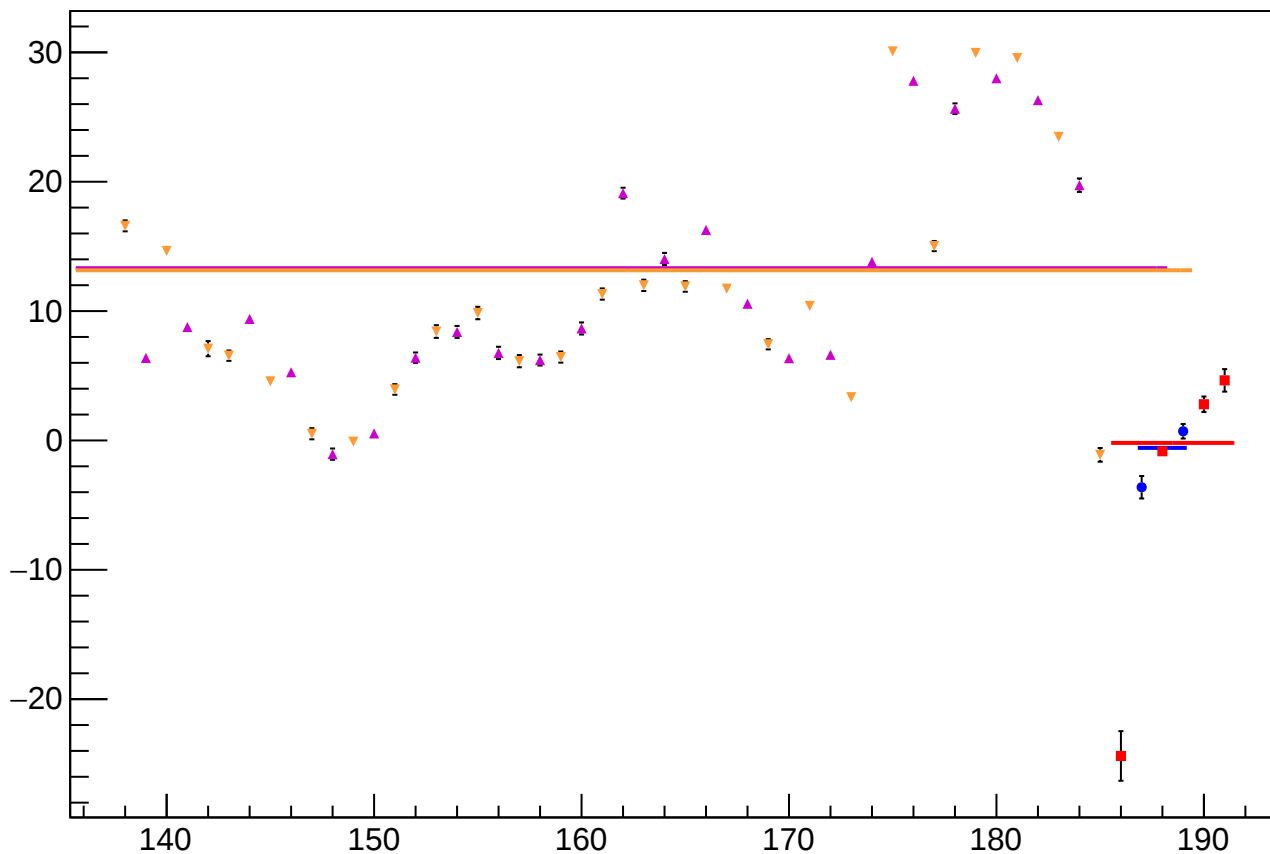
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.360 $\pm$ 0.087 χ^2 /NDF: 2.9/1
 Left Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1478.5/24
 Right Out: 0.370 $\pm$ 0.053 χ^2 /NDF: 9.8/3
 Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:2057.9/22

Left: 0.166 $\pm$ 0.003 χ^2 /NDF: 3542.9/47
 Right: 0.368 $\pm$ 0.045 χ^2 /NDF: 12.7/5
 In: 0.160 $\pm$ 0.004 χ^2 /NDF:2066.1/24
 Out: 0.174 $\pm$ 0.004 χ^2 /NDF:1502.2/28
 All: 0.167 $\pm$ 0.003 χ^2 /NDF: 3575.5/53

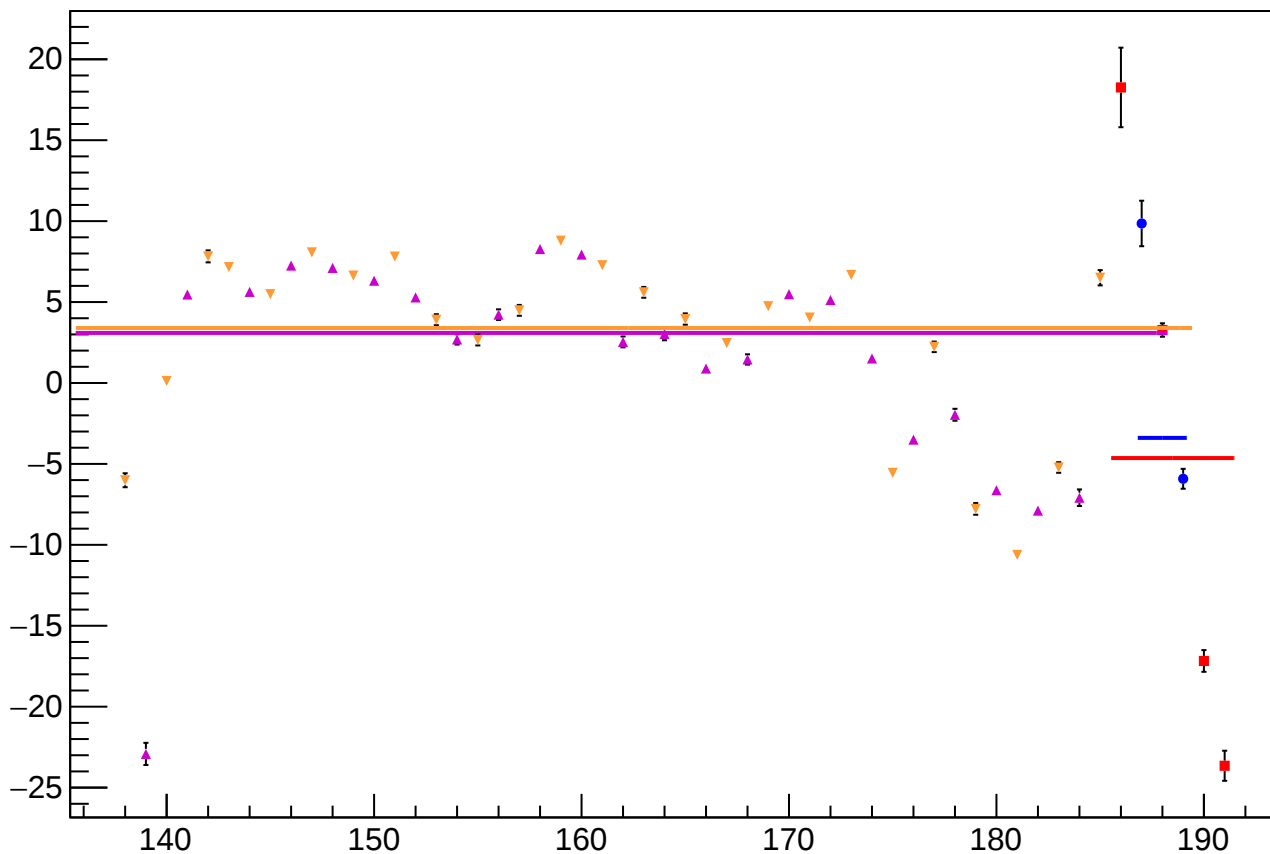
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.575 ± 0.473 $\chi^2/\text{NDF}: 17.5/1$
 Left Out: 13.153 ± 0.075 $\chi^2/\text{NDF}: 17079.7/24$
 Right Out: -0.189 ± 0.243 $\chi^2/\text{NDF}: 220.0/3$
 Left In: 13.315 ± 0.077 $\chi^2/\text{NDF}: 13977.7/22$

Left: 13.232 ± 0.054 $\chi^2/\text{NDF}: 31059.6/47$
 Right: -0.269 ± 0.216 $\chi^2/\text{NDF}: 238.0/5$
 In: 12.955 ± 0.076 $\chi^2/\text{NDF}: 14836.6/24$
 Out: 11.985 ± 0.072 $\chi^2/\text{NDF}: 20054.6/28$
 All: 12.442 ± 0.052 $\chi^2/\text{NDF}: 34977.0/53$

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.392+/-0.563 χ^2/NDF : 105.8/1

Left Out: 3.396+/-0.058 χ^2/NDF :8101.5/24

Right Out: -4.639+/-0.327 χ^2/NDF : 1218.8/3

Left In: 3.092+/-0.061 χ^2/NDF :7104.4/22

Left: 3.250+/-0.042 χ^2/NDF : 15218.9/47

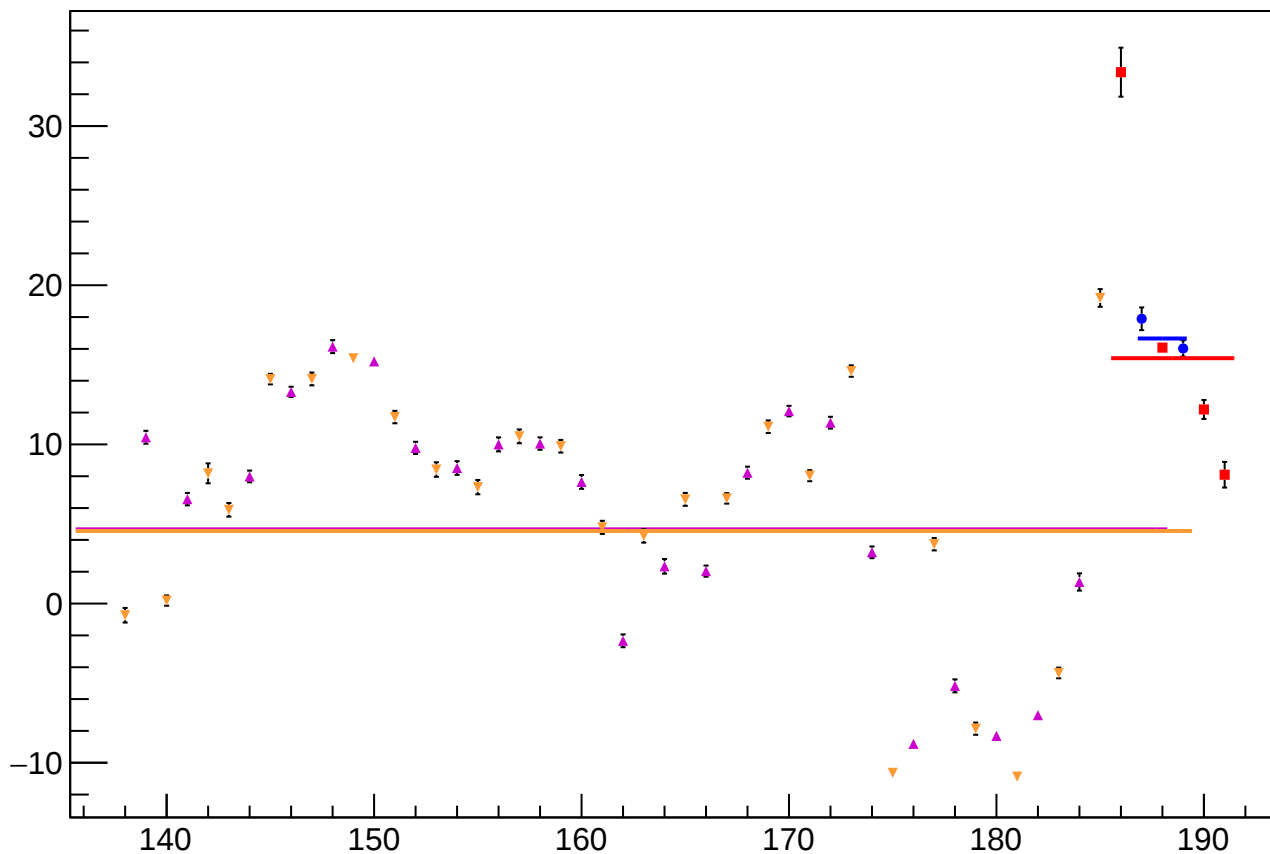
Right: -4.324+/-0.283 χ^2/NDF : 1328.3/5

In: 3.018+/-0.060 χ^2/NDF :7341.5/24

Out: 3.147+/-0.057 χ^2/NDF :9906.3/28

All: 3.086+/-0.042 χ^2/NDF : 17250.2/53

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 4.610 ± 0.054 χ^2/NDF : 24874.4/47

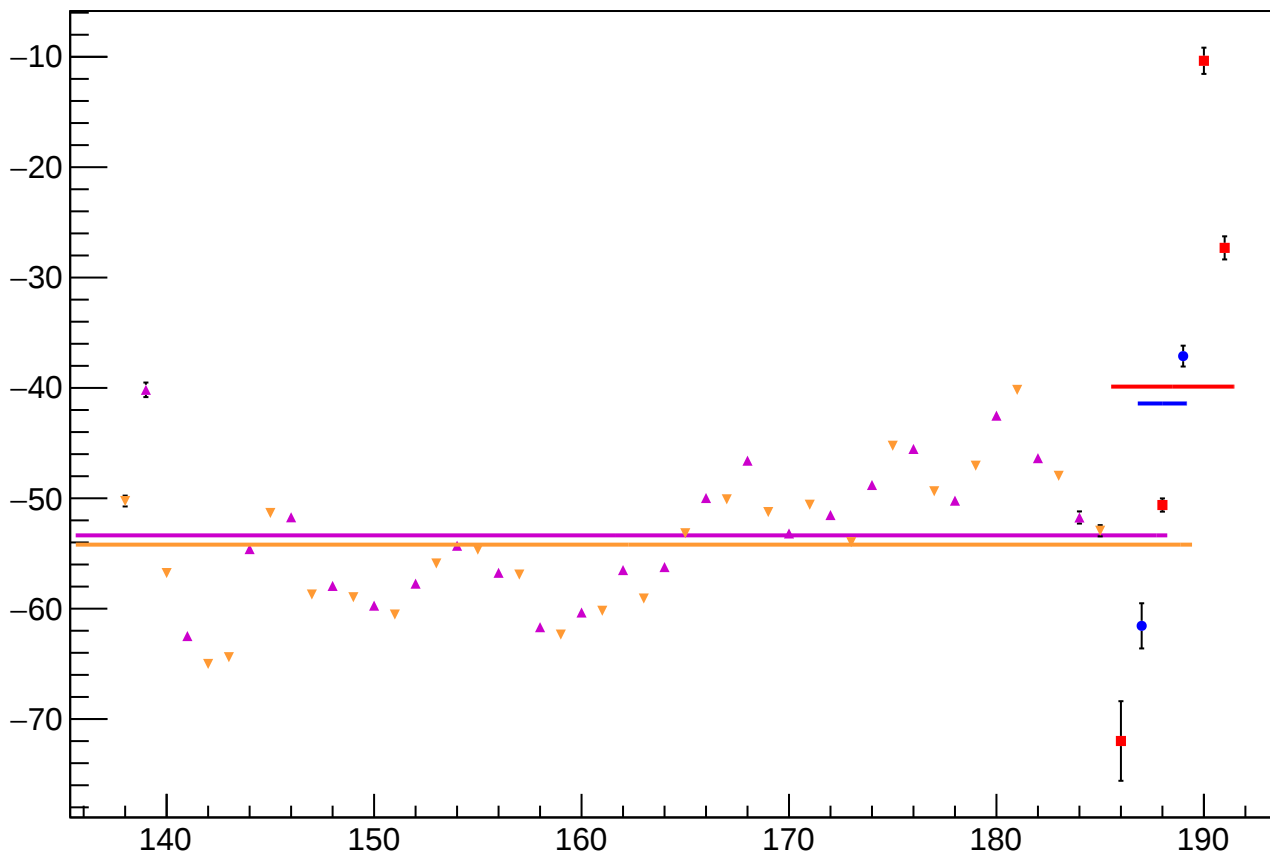
Right: 15.660 ± 0.183 χ^2/NDF : 267.6/5

In: 5.062 ± 0.076 χ^2/NDF : 12099.2/24

Out: 5.858 ± 0.071 χ^2/NDF : 16326.0/28

All: 5.486 ± 0.052 χ^2/NDF : 28484.4/53

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -41.410 ± 0.858 $\chi^2/\text{NDF}: 117.6/1$
 Left Out: -54.199 ± 0.066 $\chi^2/\text{NDF}: 8454.7/24$
 Right Out: -39.881 ± 0.472 $\chi^2/\text{NDF}: 1161.4/3$
 Left In: -53.359 ± 0.068 $\chi^2/\text{NDF}: 6882.0/22$

Left: -53.792 ± 0.048 $\chi^2/\text{NDF}: 15414.3/47$

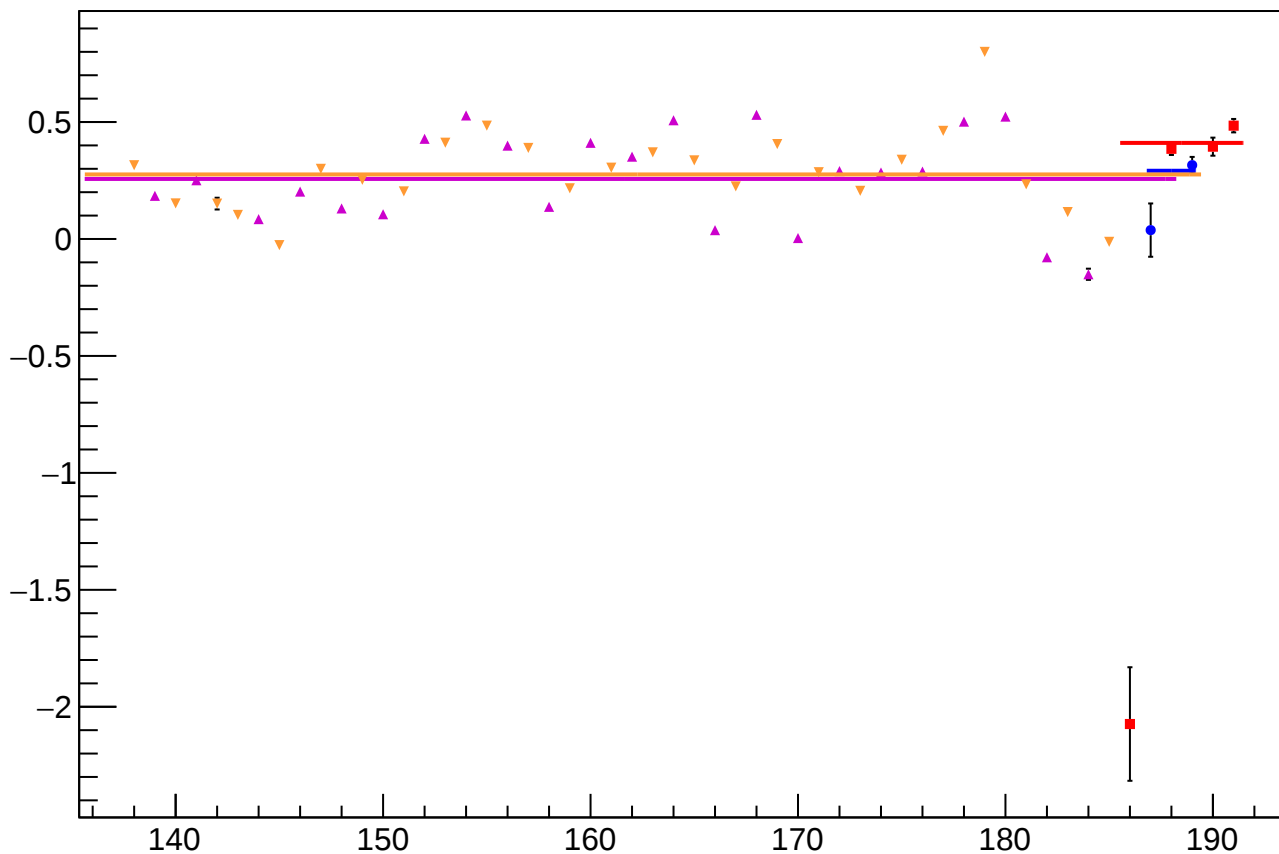
Right: -40.237 ± 0.414 $\chi^2/\text{NDF}: 1281.4/5$

In: -53.283 ± 0.068 $\chi^2/\text{NDF}: 7192.4/24$

Out: -53.921 ± 0.066 $\chi^2/\text{NDF}: 10517.7/28$

All: -53.614 ± 0.047 $\chi^2/\text{NDF}: 17755.4/53$

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.266 ± 0.002 $\chi^2/\text{NDF}: 6267.0/47$

Right: 0.386 ± 0.015 $\chi^2/\text{NDF}: 127.8/5$

In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 3630.4/24$

Out: 0.280 ± 0.003 $\chi^2/\text{NDF}: 2794.9/28$

All: 0.269 ± 0.002 $\chi^2/\text{NDF}: 6453.8/53$

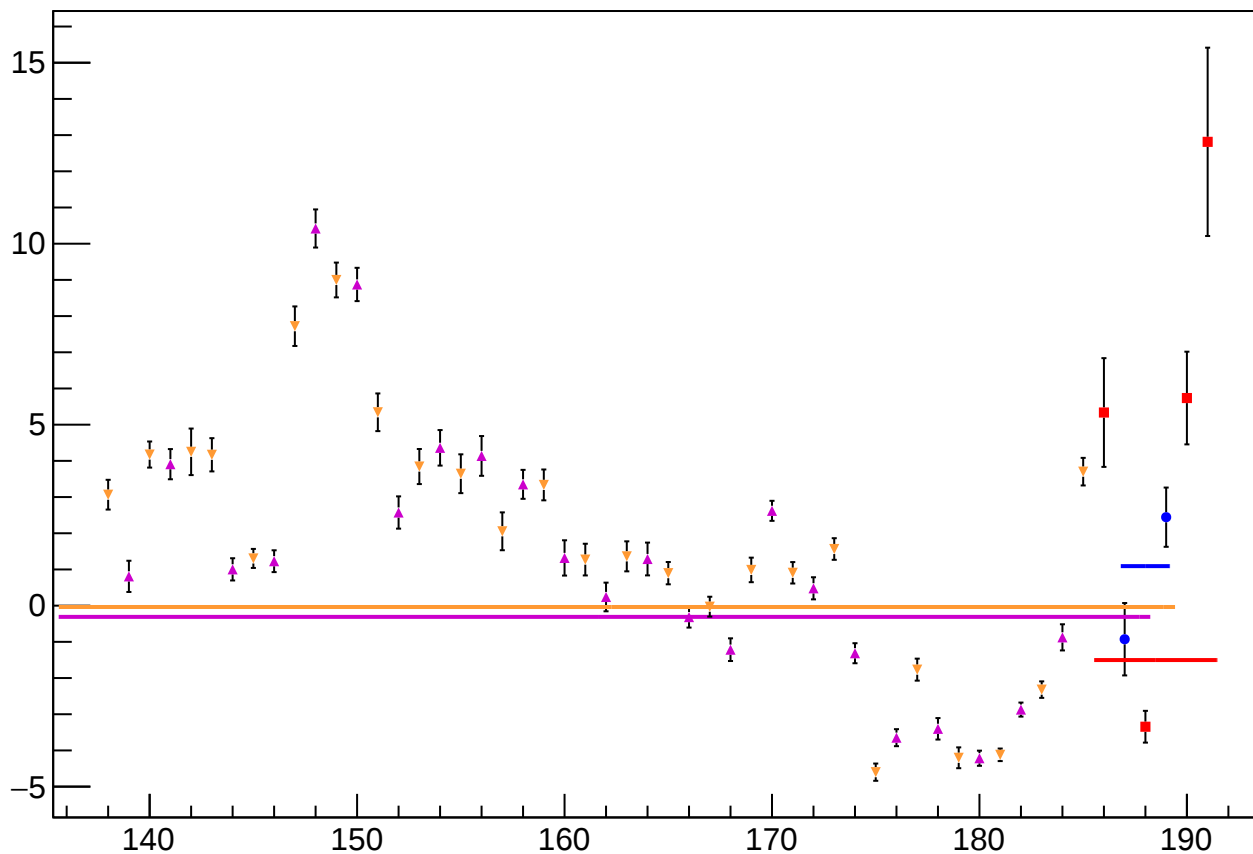
Right In: 0.292 ± 0.034 $\chi^2/\text{NDF}: 5.4/1$

Left Out: 0.276 ± 0.003 $\chi^2/\text{NDF}: 2623.6/24$

Right Out: 0.411 ± 0.017 $\chi^2/\text{NDF}: 112.4/3$

Left In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 3623.9/22$

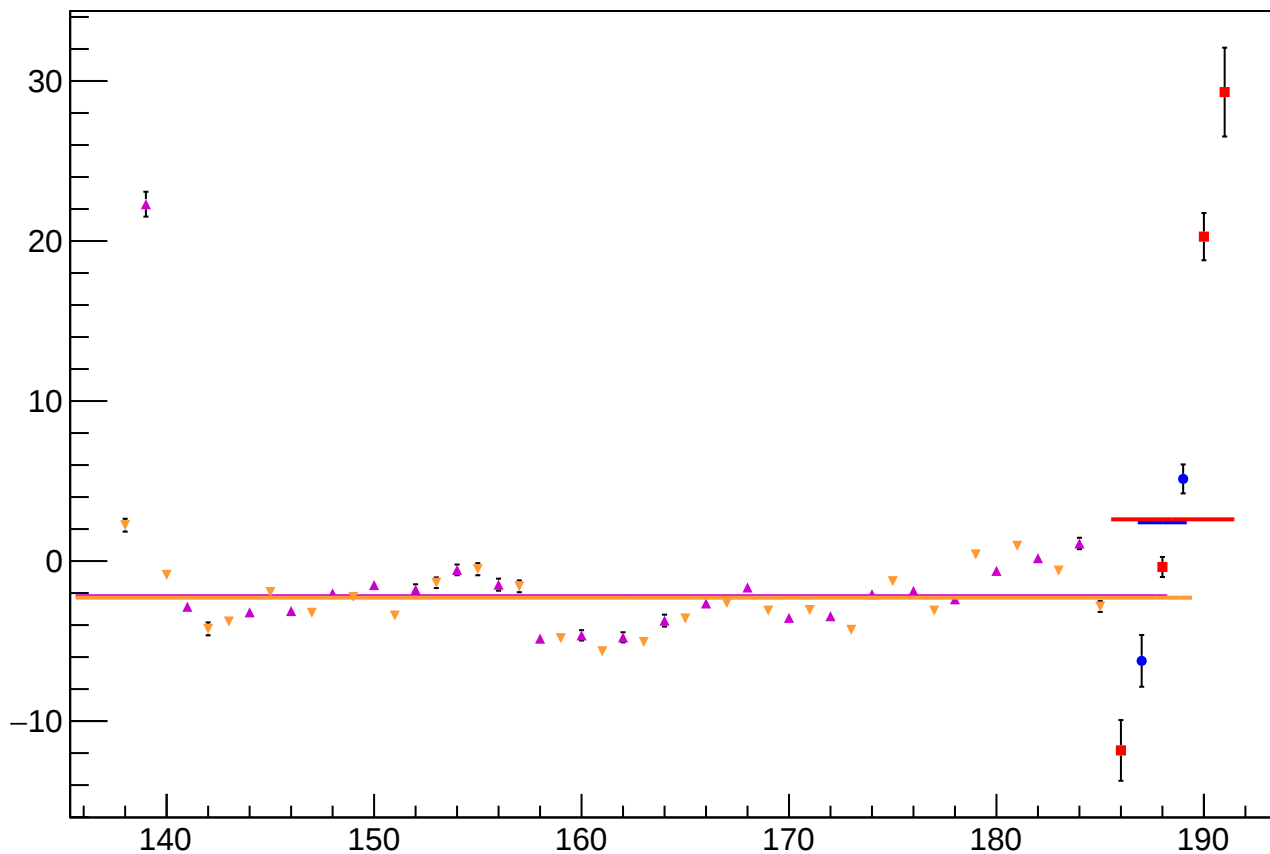
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



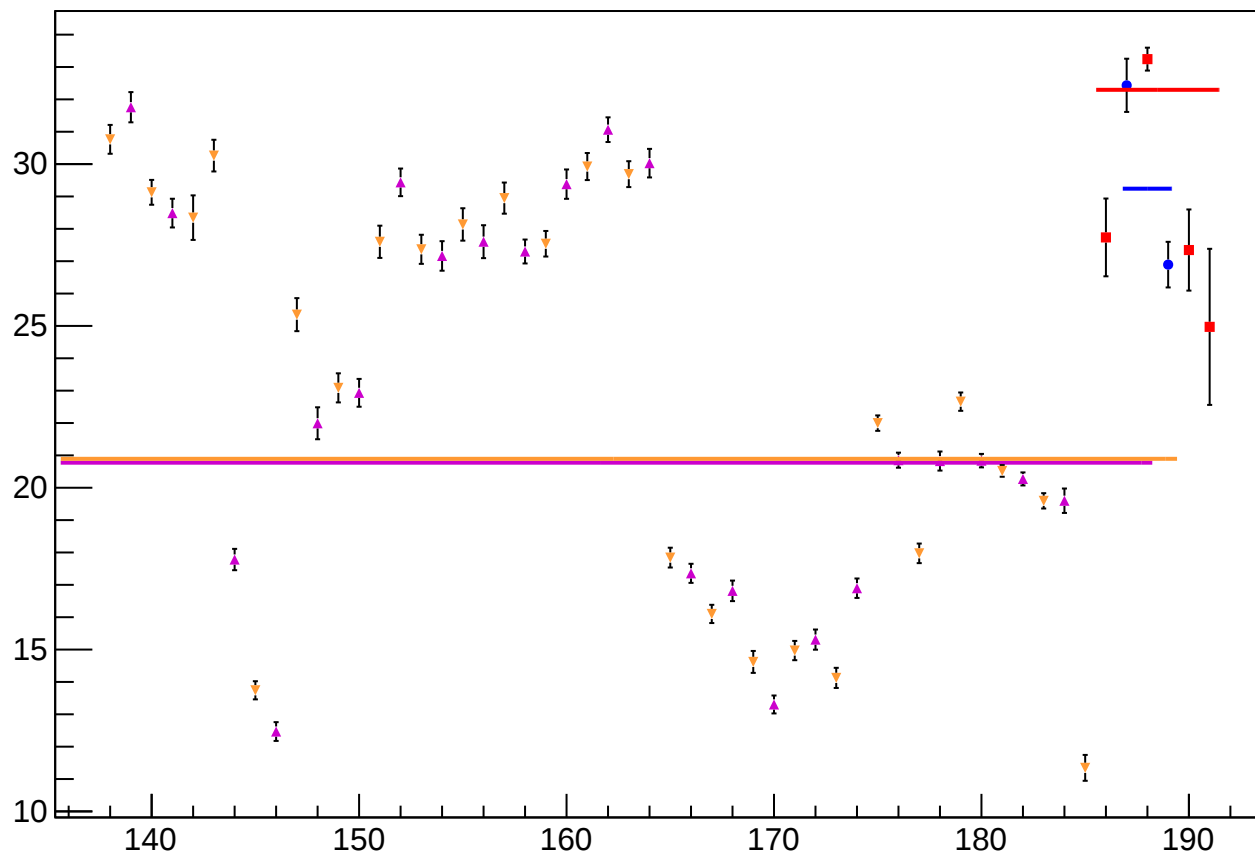
Right In: 1.092 ± 0.633 $\chi^2/\text{NDF}: 6.8/1$
 Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$
 Right Out: -1.503 ± 0.396 $\chi^2/\text{NDF}: 100.6/3$
 Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

Left: -0.171 ± 0.047 $\chi^2/\text{NDF}: 4896.5/47$
 Right: -0.775 ± 0.335 $\chi^2/\text{NDF}: 119.5/5$
 In: -0.294 ± 0.067 $\chi^2/\text{NDF}: 2262.1/24$
 Out: -0.077 ± 0.065 $\chi^2/\text{NDF}: 2751.6/28$
 All: -0.183 ± 0.047 $\chi^2/\text{NDF}: 5019.1/53$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



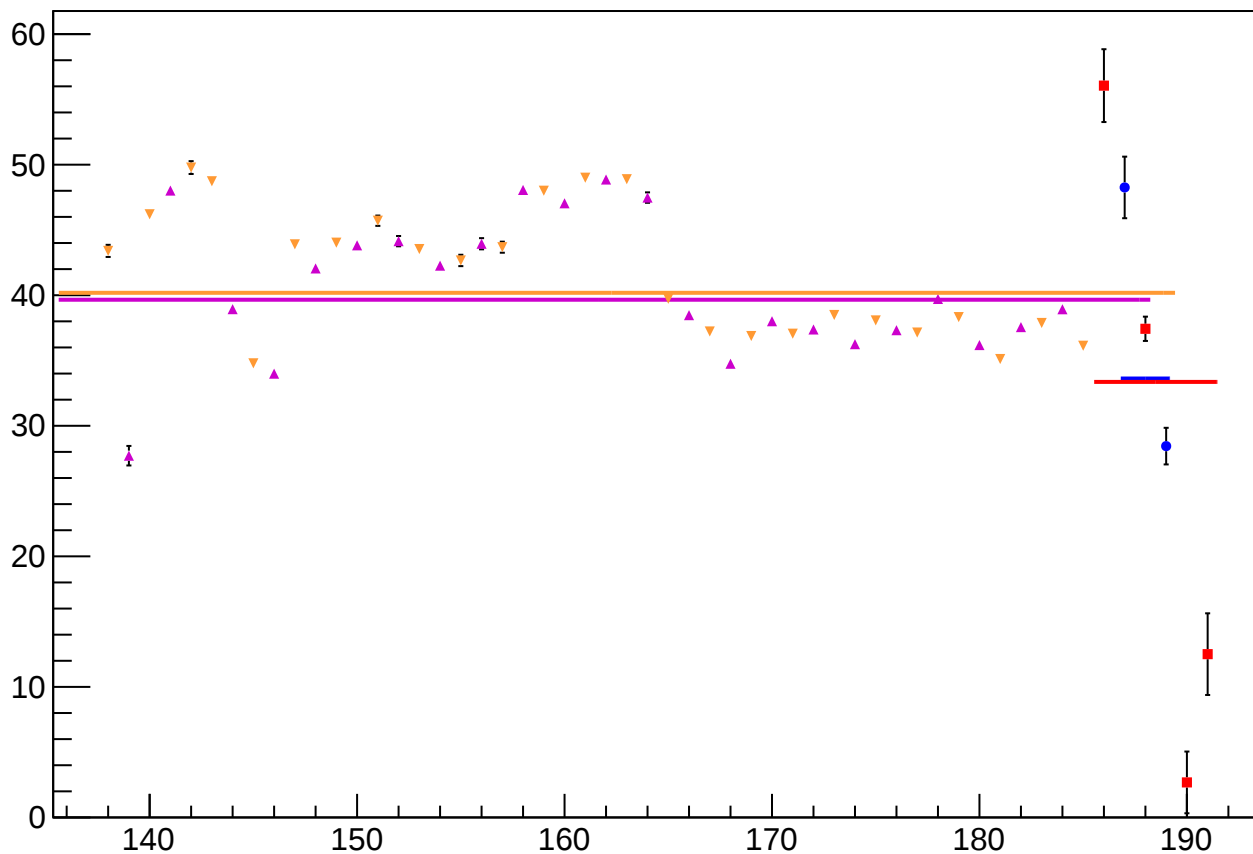
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.240 $\pm$ 0.535 χ^2 /NDF: 26.2/1
 Left Out: 20.894 $\pm$ 0.067 χ^2 /NDF:6655.4/24
 Right Out: 32.295 $\pm$ 0.325 χ^2 /NDF: 46.4/3
 Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

Left: 20.835 $\pm$ 0.047 χ^2 /NDF: 12584.8/47
 Right: 31.473 $\pm$ 0.278 χ^2 /NDF: 96.4/5
 In: 20.907 $\pm$ 0.067 χ^2 /NDF:6200.5/24
 Out: 21.356 $\pm$ 0.065 χ^2 /NDF:7884.5/28
 All: 21.137 $\pm$ 0.047 χ^2 /NDF: 14107.9/53

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.620 $\pm$ 1.205 χ^2 /NDF: 52.2/1

Left Out: 40.186 $\pm$ 0.060 χ^2 /NDF: 5932.7/24

Right Out: 33.361 $\pm$ 0.799 χ^2 /NDF: 298.2/3

Left In: 39.655 $\pm$ 0.061 χ^2 /NDF: 5298.6/22

Left: 39.925 $\pm$ 0.043 χ^2 /NDF: 11269.2/47

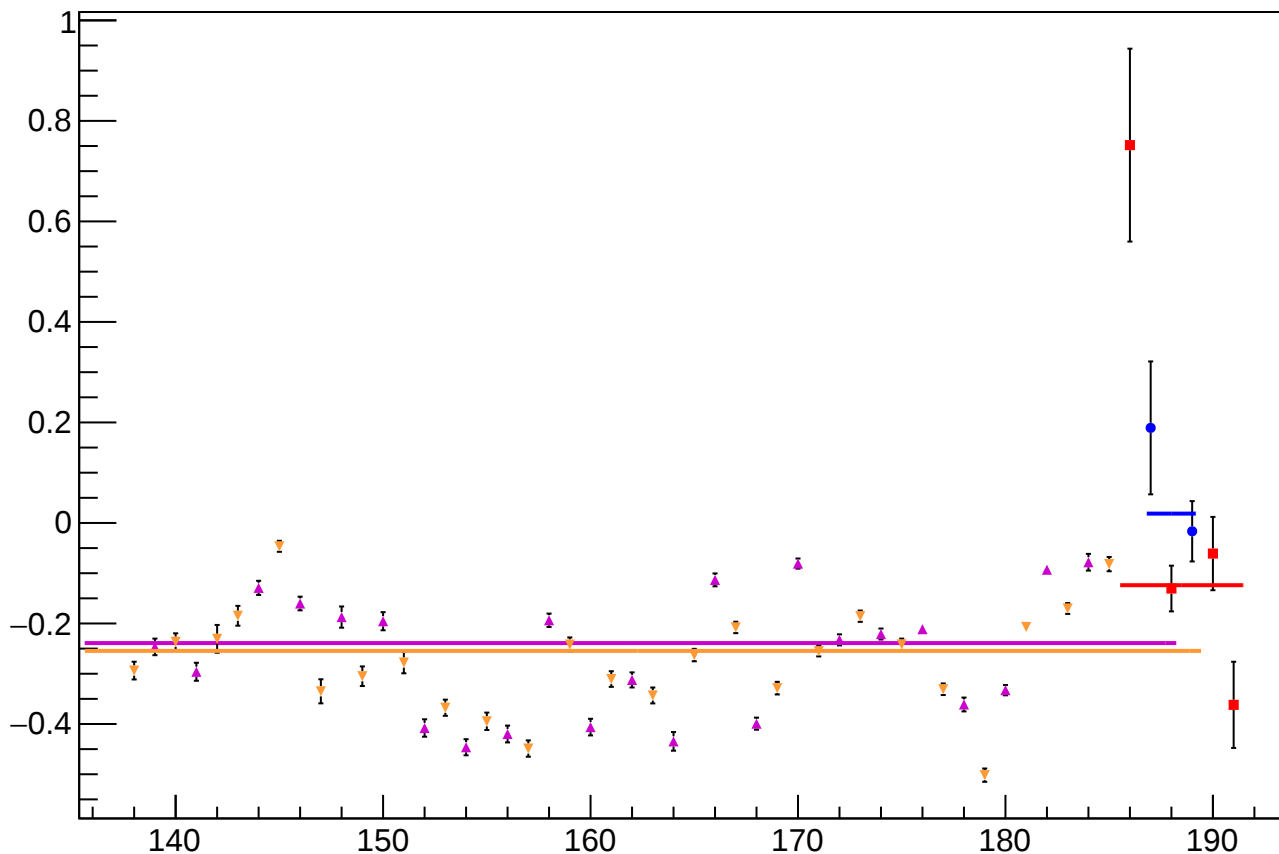
Right: 33.440 $\pm$ 0.666 χ^2 /NDF: 350.4/5

In: 39.639 $\pm$ 0.061 χ^2 /NDF: 5375.7/24

Out: 40.147 $\pm$ 0.060 χ^2 /NDF: 6303.4/28

All: 39.898 $\pm$ 0.043 χ^2 /NDF: 11714.0/53

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.019 ± 0.055 $\chi^2/\text{NDF}: 2.0/1$

Left Out: -0.255 ± 0.003 $\chi^2/\text{NDF}: 1420.4/24$

Right Out: -0.124 ± 0.035 $\chi^2/\text{NDF}: 29.3/3$

Left In: -0.239 ± 0.003 $\chi^2/\text{NDF}: 1750.5/22$

Left: -0.247 ± 0.002 $\chi^2/\text{NDF}: 3186.7/47$

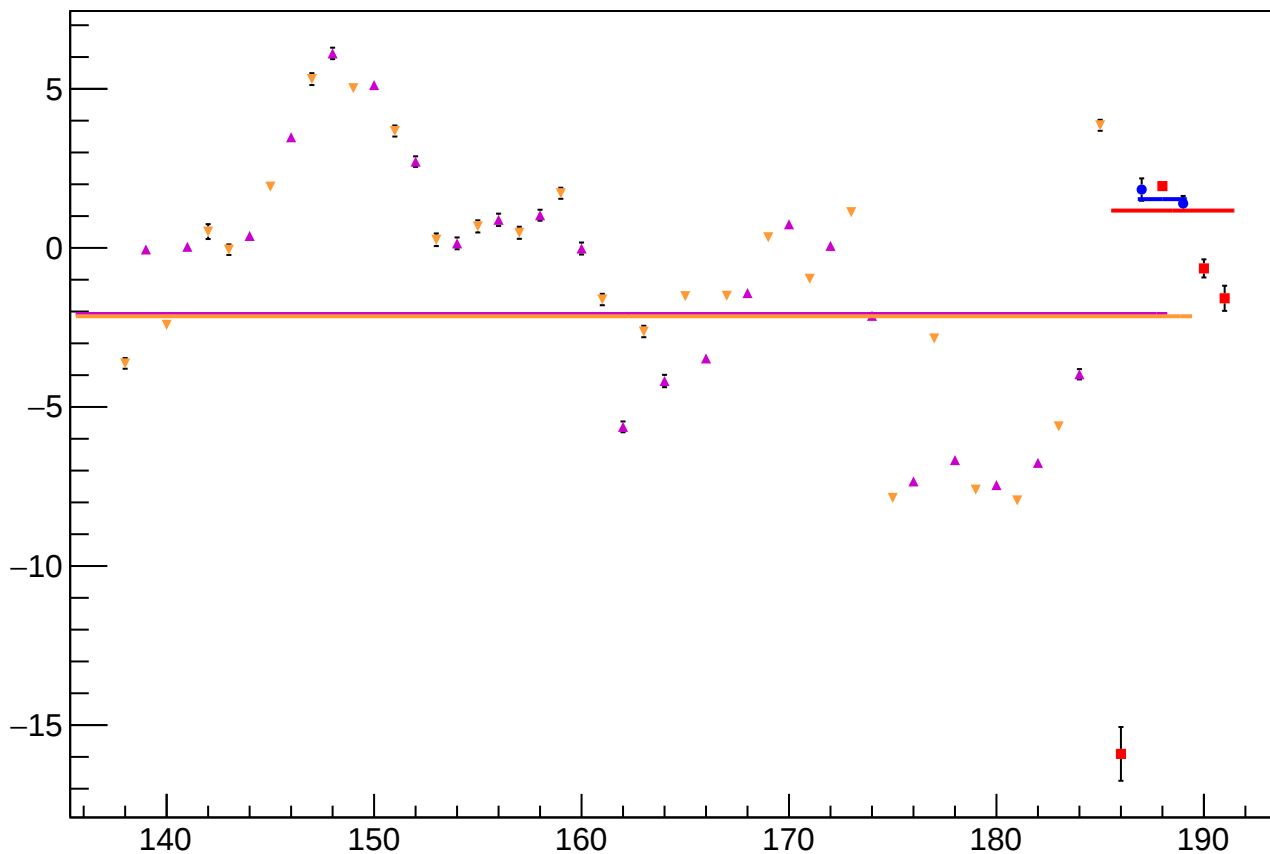
Right: -0.083 ± 0.029 $\chi^2/\text{NDF}: 36.1/5$

In: -0.238 ± 0.003 $\chi^2/\text{NDF}: 1774.6/24$

Out: -0.254 ± 0.003 $\chi^2/\text{NDF}: 1463.9/28$

All: -0.246 ± 0.002 $\chi^2/\text{NDF}: 3254.1/53$

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



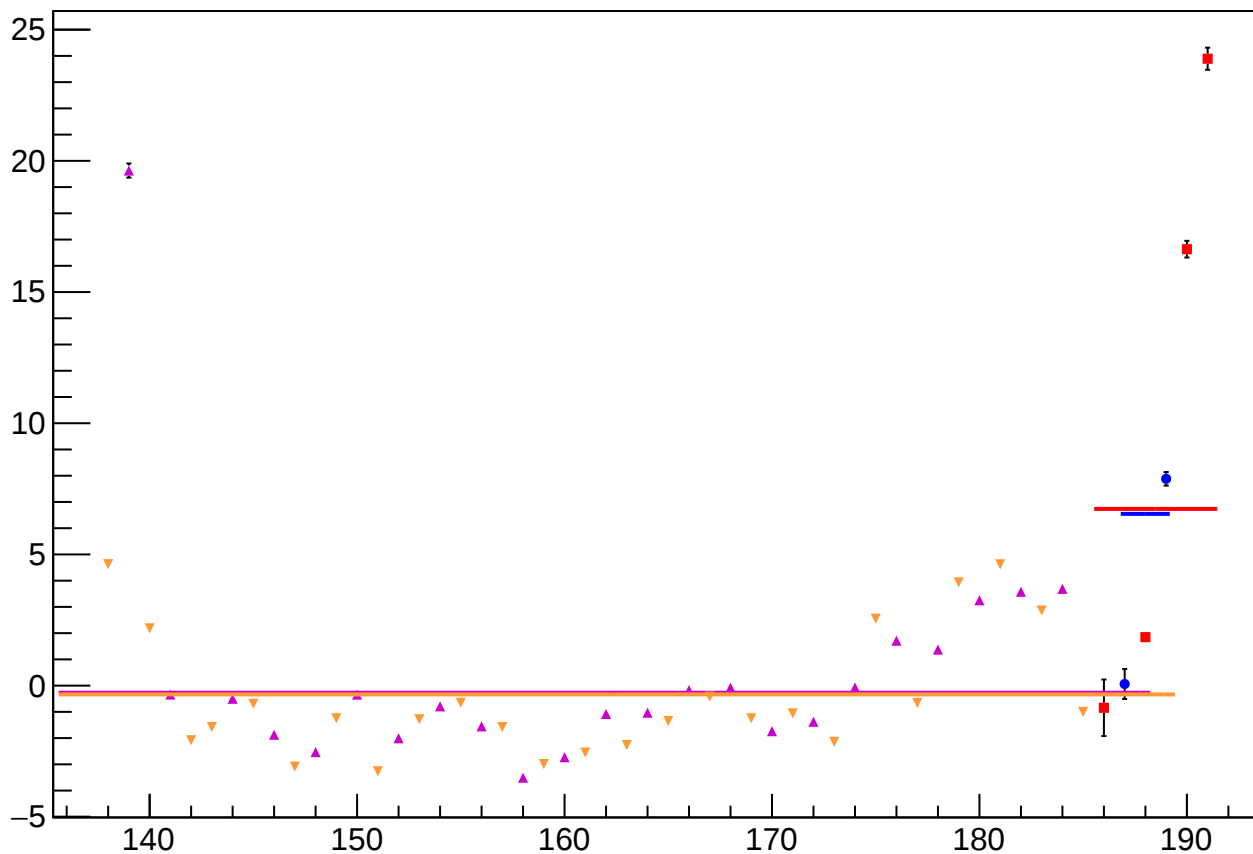
Right In: 1.533 $\pm$ 0.197 χ^2 /NDF: 1.1/1
 Left Out: -2.149 $\pm$ 0.026 χ^2 /NDF:24536.3/24
 Right Out: 1.173 $\pm$ 0.098 χ^2 /NDF: 546.9/3
 Left In: -2.078 $\pm$ 0.026 χ^2 /NDF:23245.8/22

Left: -2.114 $\pm$ 0.018 χ^2 /NDF: 47785.8/47
 Right: 1.245 $\pm$ 0.088 χ^2 /NDF: 550.7/5

In: -2.016 $\pm$ 0.026 χ^2 /NDF:23578.4/24
 Out: -1.938 $\pm$ 0.025 χ^2 /NDF:26150.8/28

All: -1.975 $\pm$ 0.018 χ^2 /NDF: 49733.9/53

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



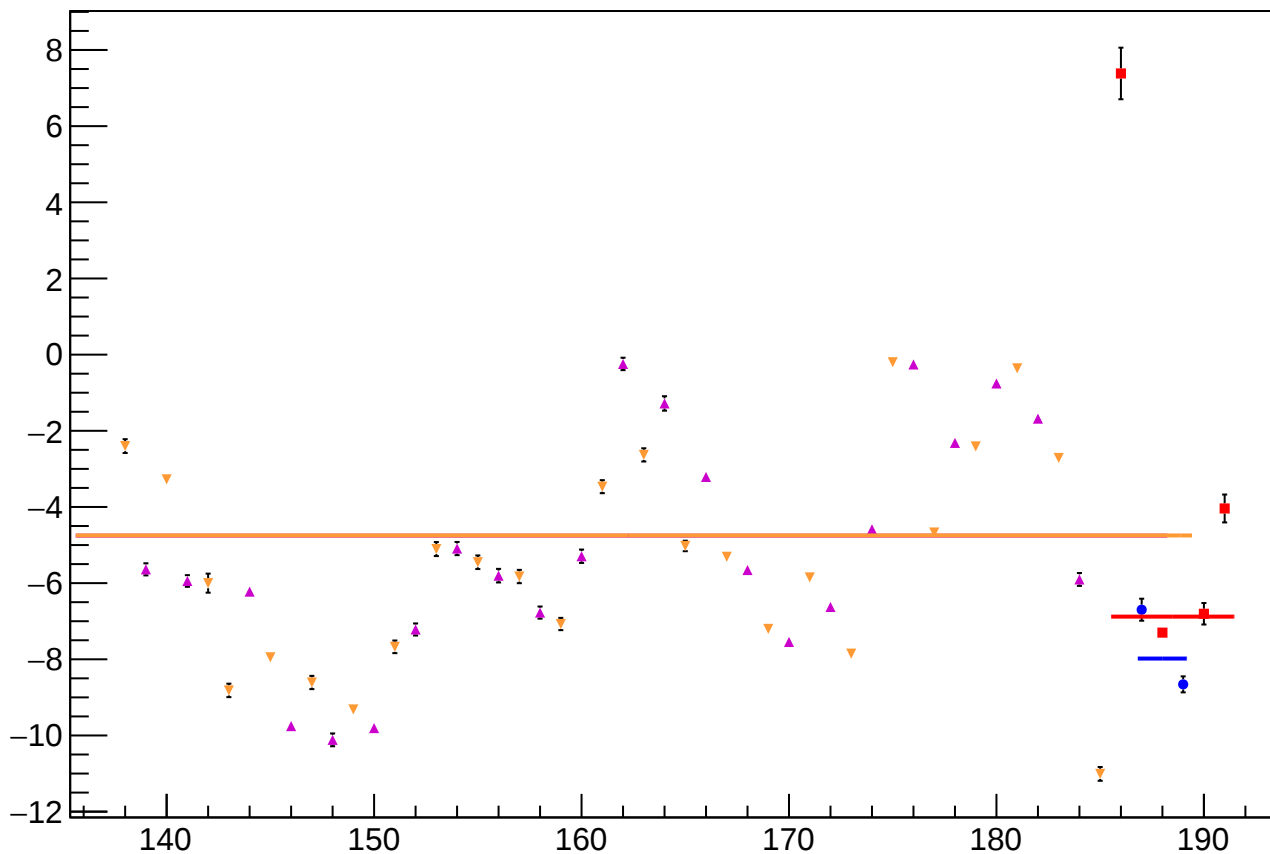
Right In: 6.546 ± 0.236 $\chi^2/\text{NDF}: 155.6/1$
 Left Out: -0.335 ± 0.021 $\chi^2/\text{NDF}: 12596.1/24$
 Right Out: 6.735 ± 0.135 $\chi^2/\text{NDF}: 3589.1/3$
 Left In: -0.269 ± 0.021 $\chi^2/\text{NDF}: 13323.1/22$

Left: -0.303 ± 0.015 $\chi^2/\text{NDF}: 25924.2/47$
 Right: 6.688 ± 0.117 $\chi^2/\text{NDF}: 3745.2/5$

In: -0.216 ± 0.021 $\chi^2/\text{NDF}: 14306.7/24$
 Out: -0.175 ± 0.020 $\chi^2/\text{NDF}: 18859.3/28$

All: -0.195 ± 0.015 $\chi^2/\text{NDF}: 33168.0/53$

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



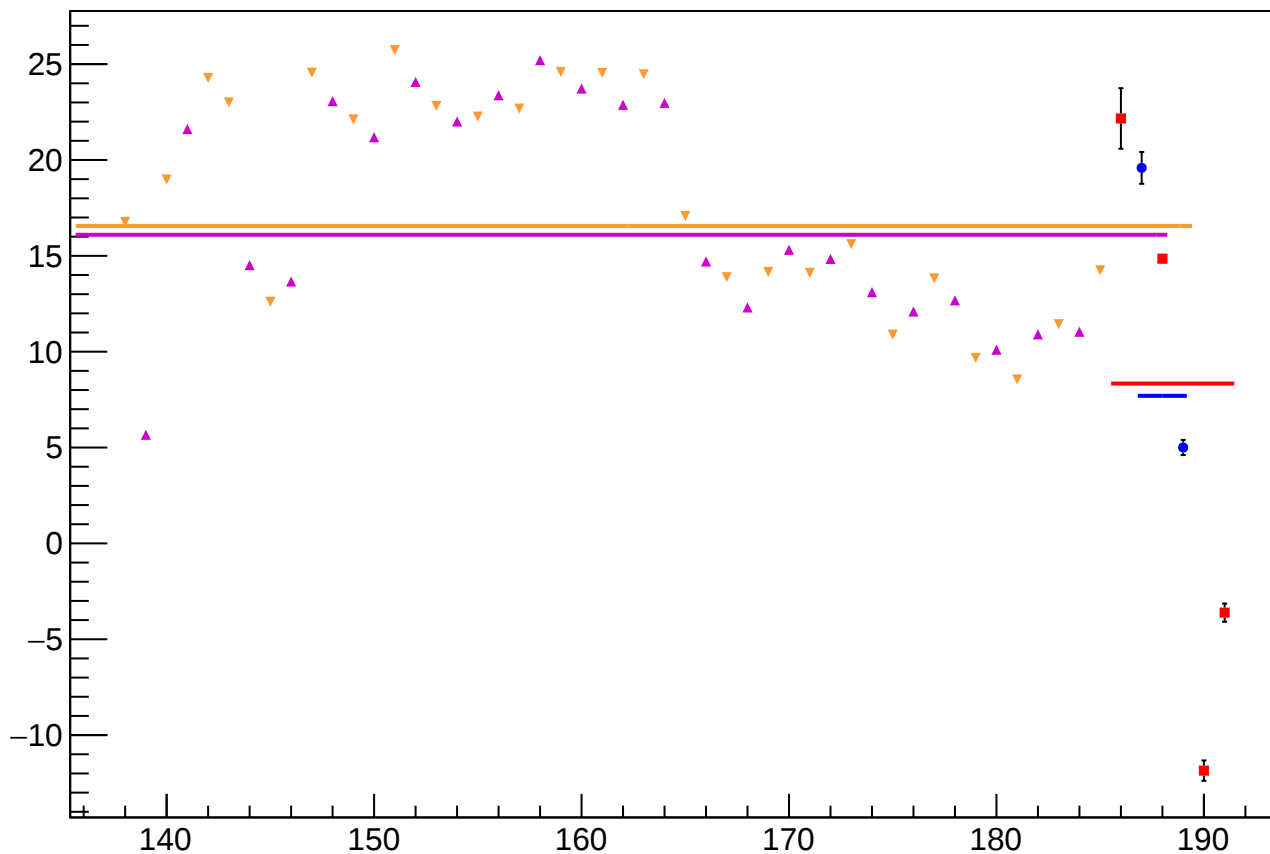
Right In: -7.980 ± 0.170 $\chi^2/\text{NDF}: 30.0/1$
 Left Out: -4.748 ± 0.026 $\chi^2/\text{NDF}: 13289.8/24$
 Right Out: -6.879 ± 0.082 $\chi^2/\text{NDF}: 526.1/3$
 Left In: -4.753 ± 0.026 $\chi^2/\text{NDF}: 14119.2/22$

Left: -4.751 ± 0.018 $\chi^2/\text{NDF}: 27409.0/47$
 Right: -7.087 ± 0.074 $\chi^2/\text{NDF}: 590.1/5$

In: -4.828 ± 0.026 $\chi^2/\text{NDF}: 14501.0/24$
 Out: -4.940 ± 0.025 $\chi^2/\text{NDF}: 14430.4/28$

All: -4.887 ± 0.018 $\chi^2/\text{NDF}: 28941.3/53$

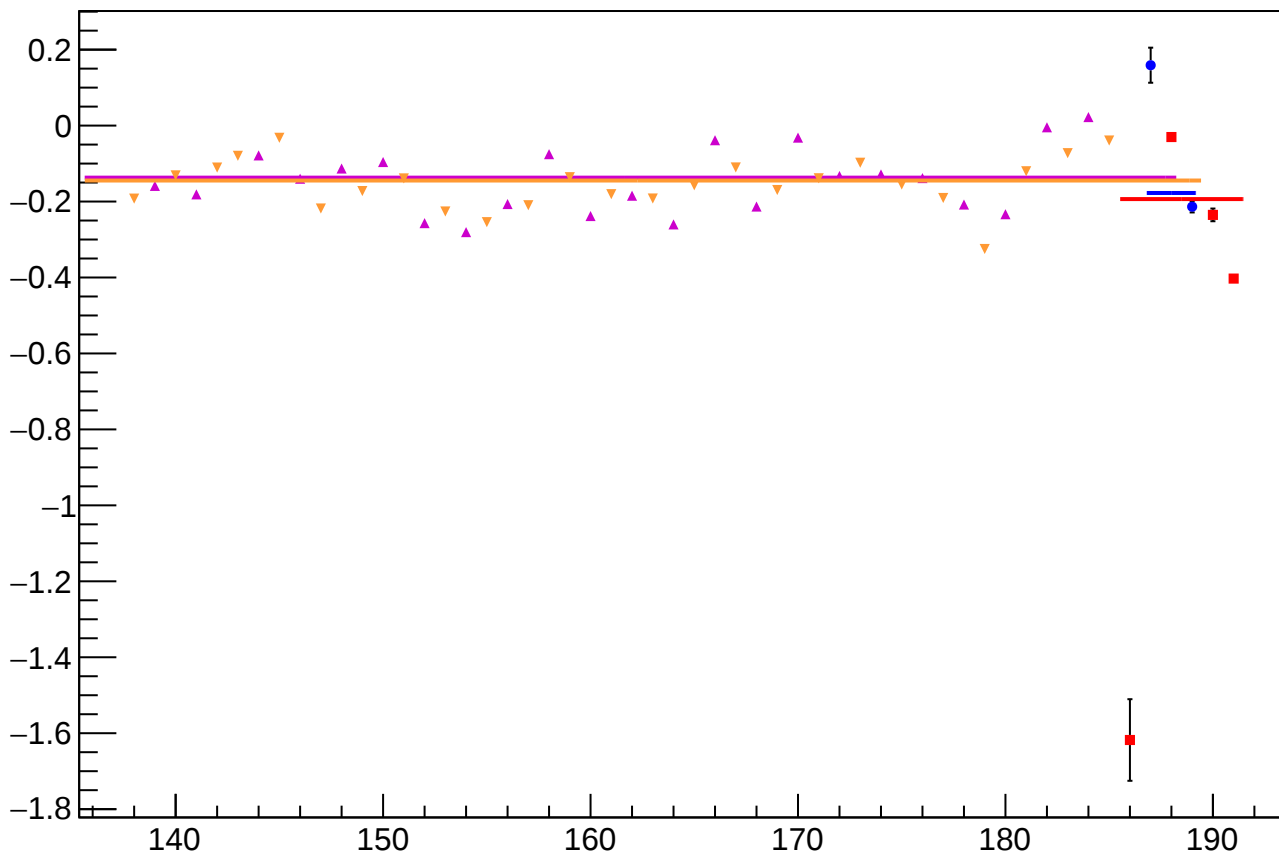
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 7.698 ± 0.357 $\chi^2/\text{NDF}: 251.0/1$
 Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$
 Right Out: 8.338 ± 0.194 $\chi^2/\text{NDF}: 2929.1/3$
 Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

Left: 16.335 ± 0.017 $\chi^2/\text{NDF}: 96401.9/47$
 Right: 8.193 ± 0.170 $\chi^2/\text{NDF}: 3182.6/5$
 In: 16.062 ± 0.024 $\chi^2/\text{NDF}: 43147.4/24$
 Out: 16.447 ± 0.023 $\chi^2/\text{NDF}: 58564.9/28$
 All: 16.259 ± 0.016 $\chi^2/\text{NDF}: 101849.5/53$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.014 χ^2/NDF : 58.8/1

Left Out: -0.145 ± 0.001 χ^2/NDF : 3769.7/24

Right Out: -0.194 ± 0.007 χ^2/NDF : 686.0/3

Left In: -0.137 ± 0.001 χ^2/NDF : 5392.6/22

Left: -0.141 ± 0.001 χ^2/NDF : 9187.6/47

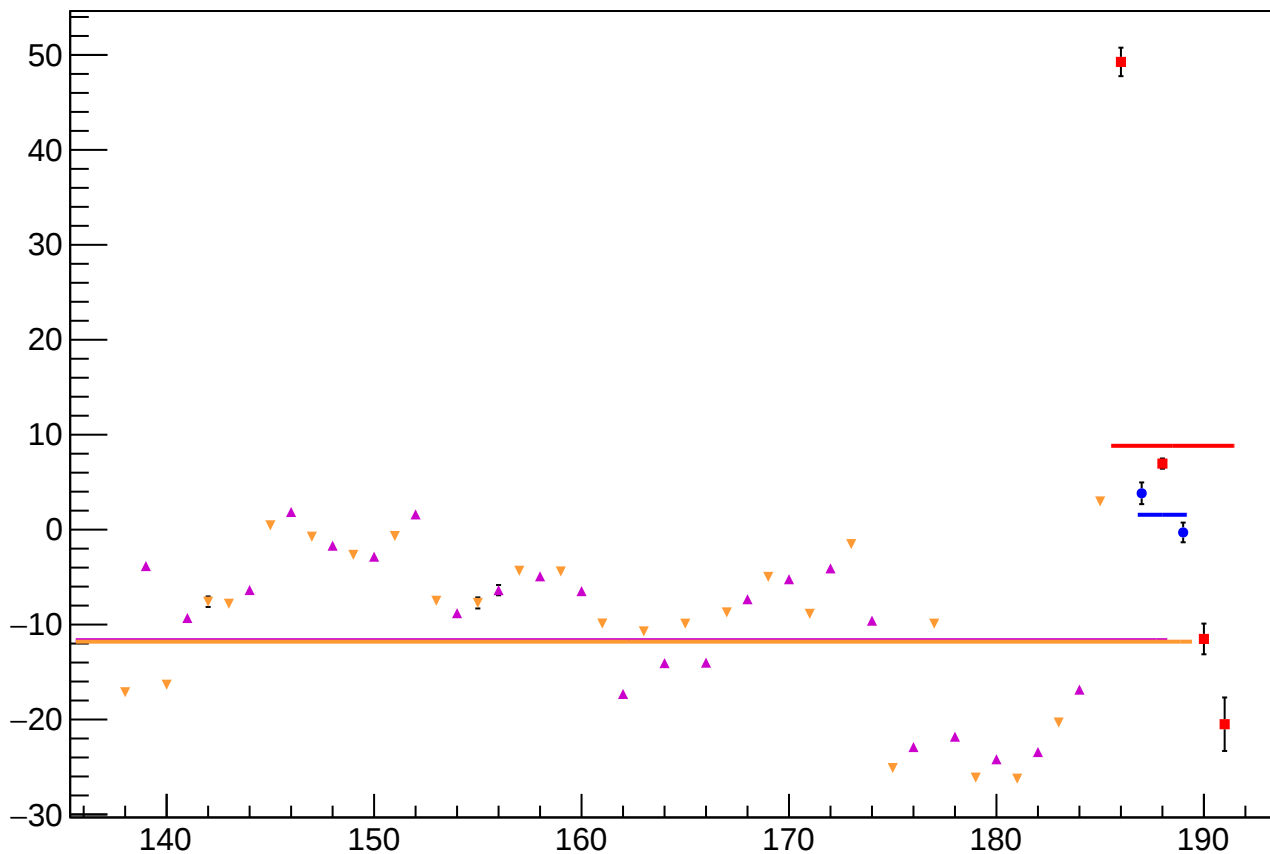
Right: -0.190 ± 0.007 χ^2/NDF : 745.8/5

In: -0.137 ± 0.001 χ^2/NDF : 5459.2/24

Out: -0.146 ± 0.001 χ^2/NDF : 4499.6/28

All: -0.142 ± 0.001 χ^2/NDF : 9990.0/53

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.566+/-0.768 χ^2/NDF : 7.1/1

Left Out: -11.801+/-0.070 χ^2/NDF : 17308.2/24

Right Out: 8.831+/-0.476 χ^2/NDF : 1005.7/3

Left In: -11.642+/-0.072 χ^2/NDF : 14121.2/22

Left: -11.723+/-0.050 χ^2/NDF : 31432.0/47

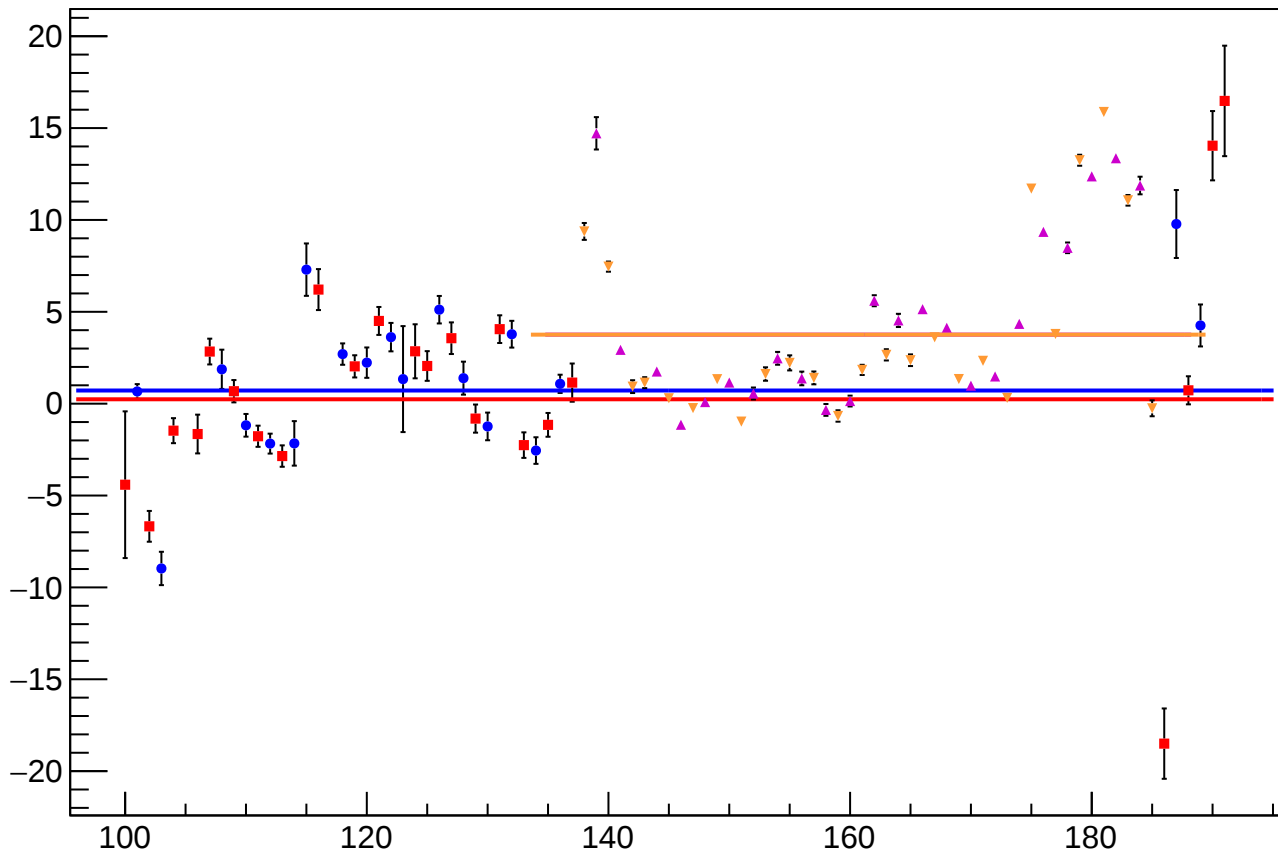
Right: 6.817+/-0.404 χ^2/NDF : 1077.6/5

In: -11.528+/-0.071 χ^2/NDF : 14421.7/24

Out: -11.360+/-0.070 χ^2/NDF : 20156.2/28

All: -11.442+/-0.050 χ^2/NDF : 34580.8/53

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.717 ± 0.168 $\chi^2/\text{NDF}: 323.1/18$

Left Out: 3.757 ± 0.056 $\chi^2/\text{NDF}: 7450.7/24$

Right Out: 0.239 ± 0.169 $\chi^2/\text{NDF}: 450.3/22$

Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

Left: 3.757 ± 0.040 $\chi^2/\text{NDF}: 13080.0/47$

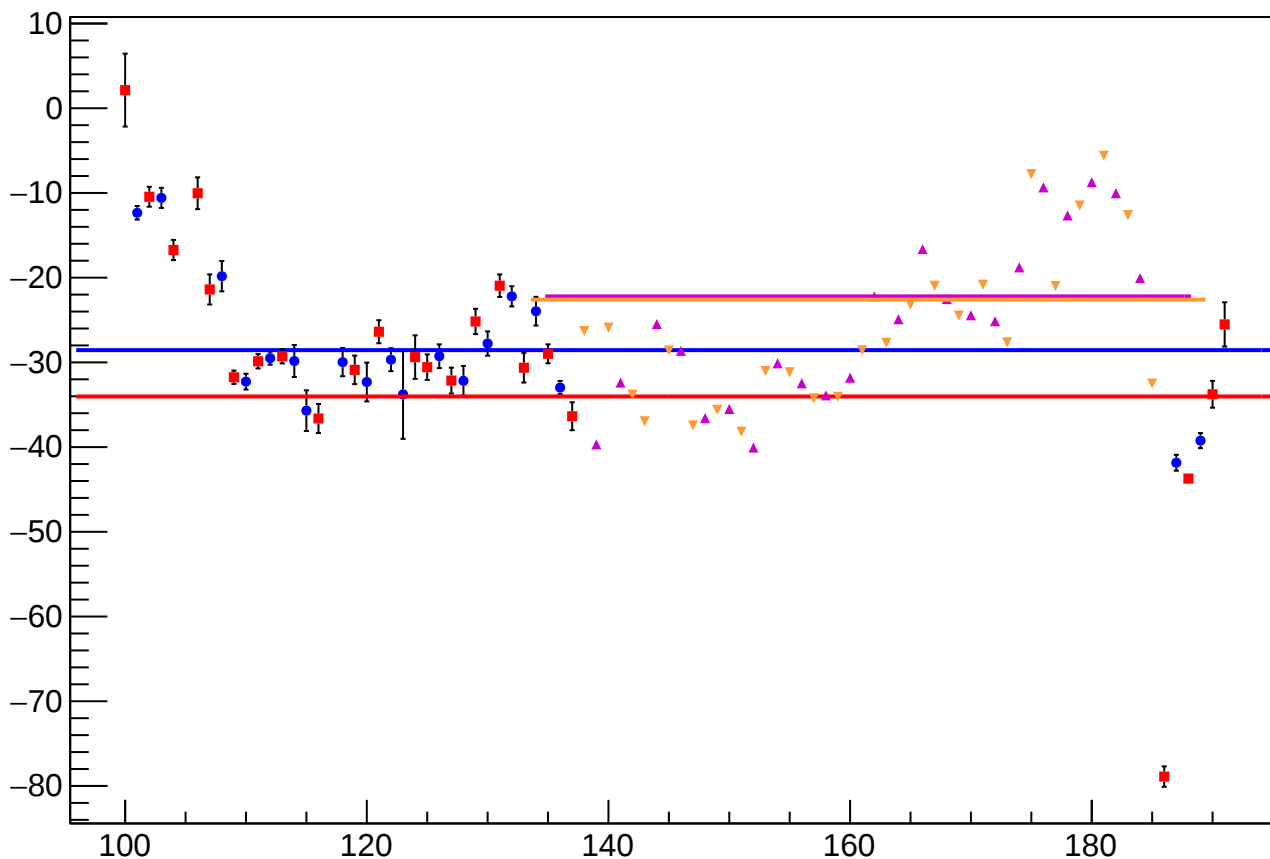
Right: 0.479 ± 0.119 $\chi^2/\text{NDF}: 777.4/41$

In: 3.447 ± 0.054 $\chi^2/\text{NDF}: 6247.0/41$

Out: 3.413 ± 0.053 $\chi^2/\text{NDF}: 8292.7/47$

All: 3.430 ± 0.038 $\chi^2/\text{NDF}: 14539.9/89$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: -22.406 ± 0.050 $\chi^2/\text{NDF} = 37575.6/47$

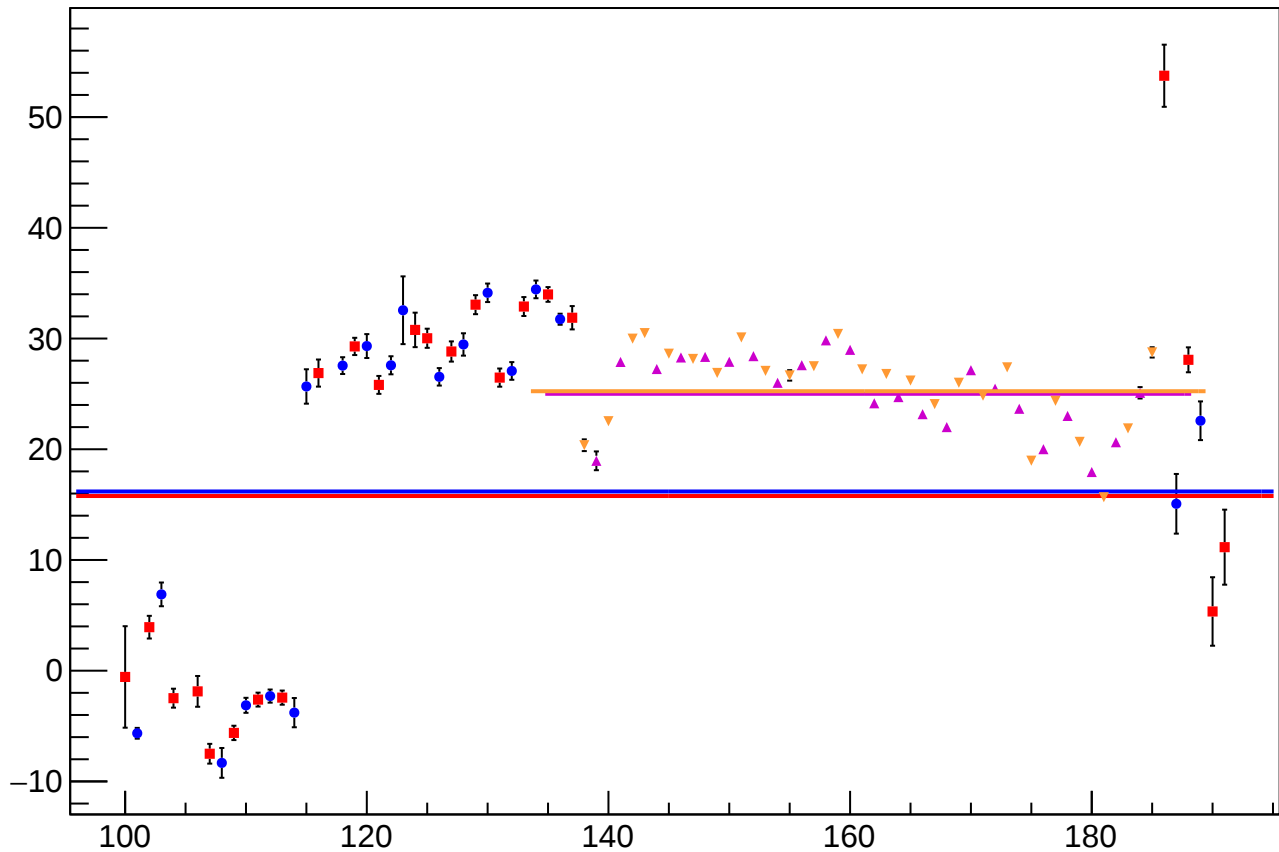
Right: -31.672 ± 0.179 $\chi^2/\text{NDF} = 4400.3/41$

In: -22.618 ± 0.069 $\chi^2/\text{NDF} = 19242.7/41$

Out: -23.532 ± 0.068 $\chi^2/\text{NDF} = 25131.0/47$

All: -23.085 ± 0.048 $\chi^2/\text{NDF} = 44462.7/89$

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.187 $\pm$ 0.191 χ^2 /NDF: 7555.8/18

Left Out: 25.242 $\pm$ 0.063 χ^2 /NDF:3786.5/24

Right Out: 15.776 $\pm$ 0.193 χ^2 /NDF: 7583.8/22

Left In: 25.009 $\pm$ 0.064 χ^2 /NDF:2722.0/22

Left: 25.128 $\pm$ 0.045 χ^2 /NDF: 6515.2/47

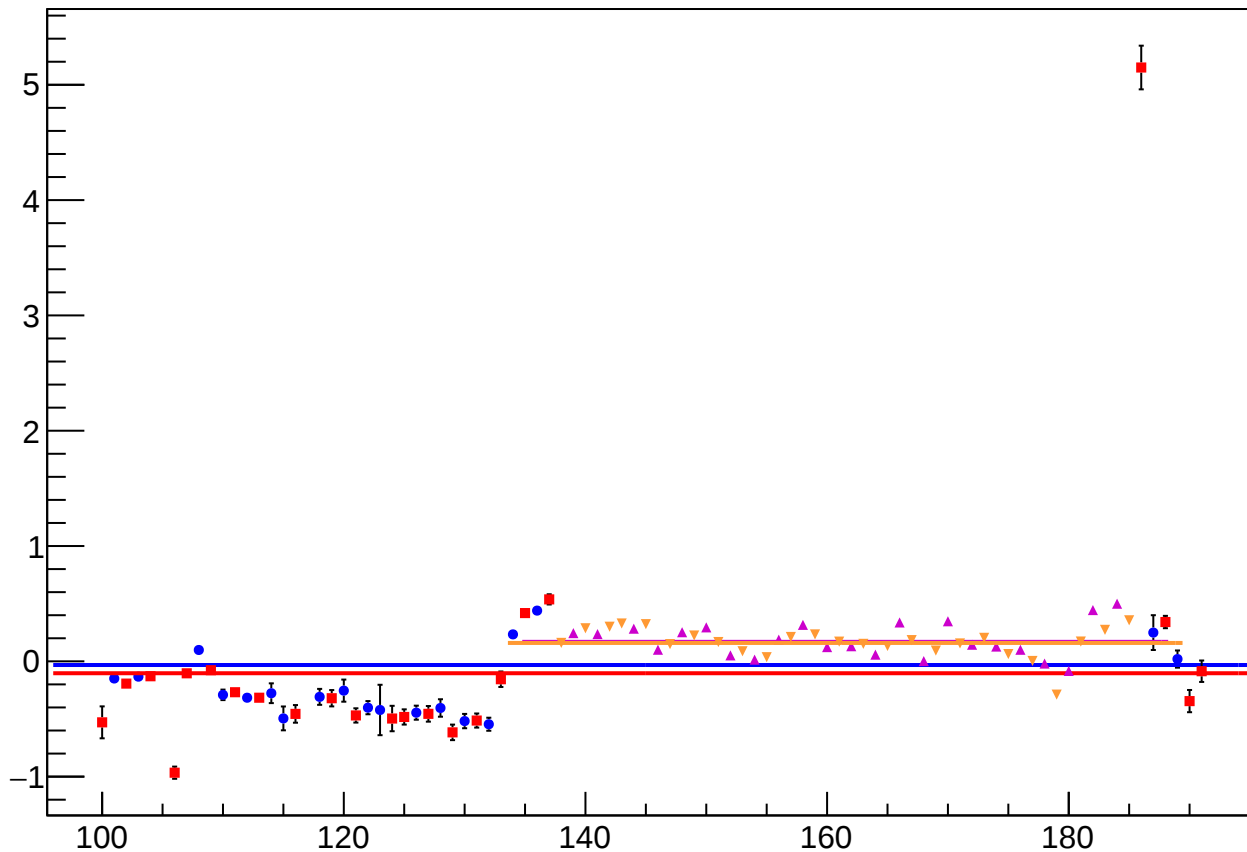
Right: 15.984 $\pm$ 0.136 χ^2 /NDF: 15141.9/41

In: 24.120 $\pm$ 0.061 χ^2 /NDF:12201.1/41

Out: 24.342 $\pm$ 0.060 χ^2 /NDF:13541.7/47

All: 24.233 $\pm$ 0.042 χ^2 /NDF: 25749.6/89

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.032 ± 0.010 χ^2/NDF : 1015.4/18

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.103 ± 0.010 χ^2/NDF : 2013.0/22

Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

Left: 0.164 ± 0.002 χ^2/NDF : 4288.4/47

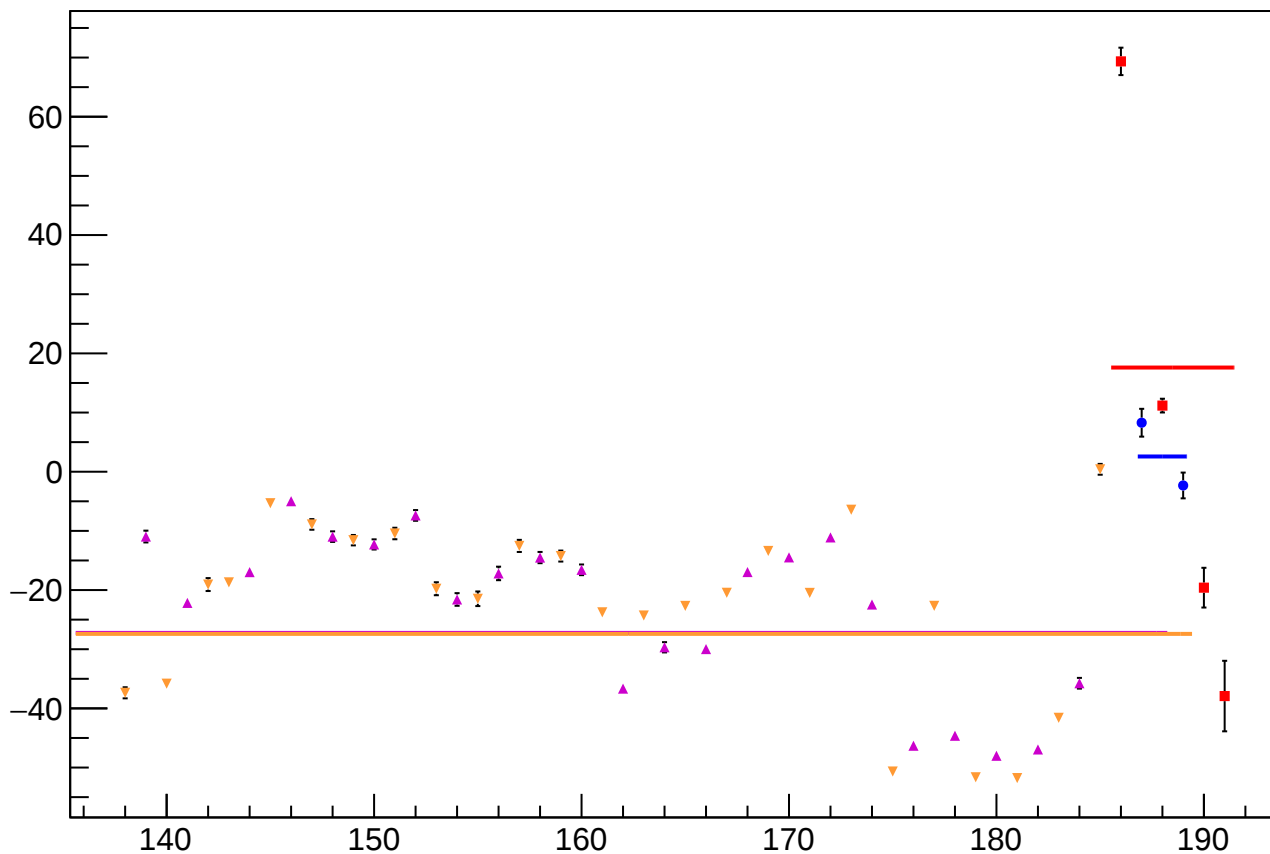
Right: -0.068 ± 0.007 χ^2/NDF : 3053.1/41

In: 0.154 ± 0.003 χ^2/NDF : 3791.4/41

Out: 0.140 ± 0.003 χ^2/NDF : 4507.0/47

All: 0.147 ± 0.002 χ^2/NDF : 8311.3/89

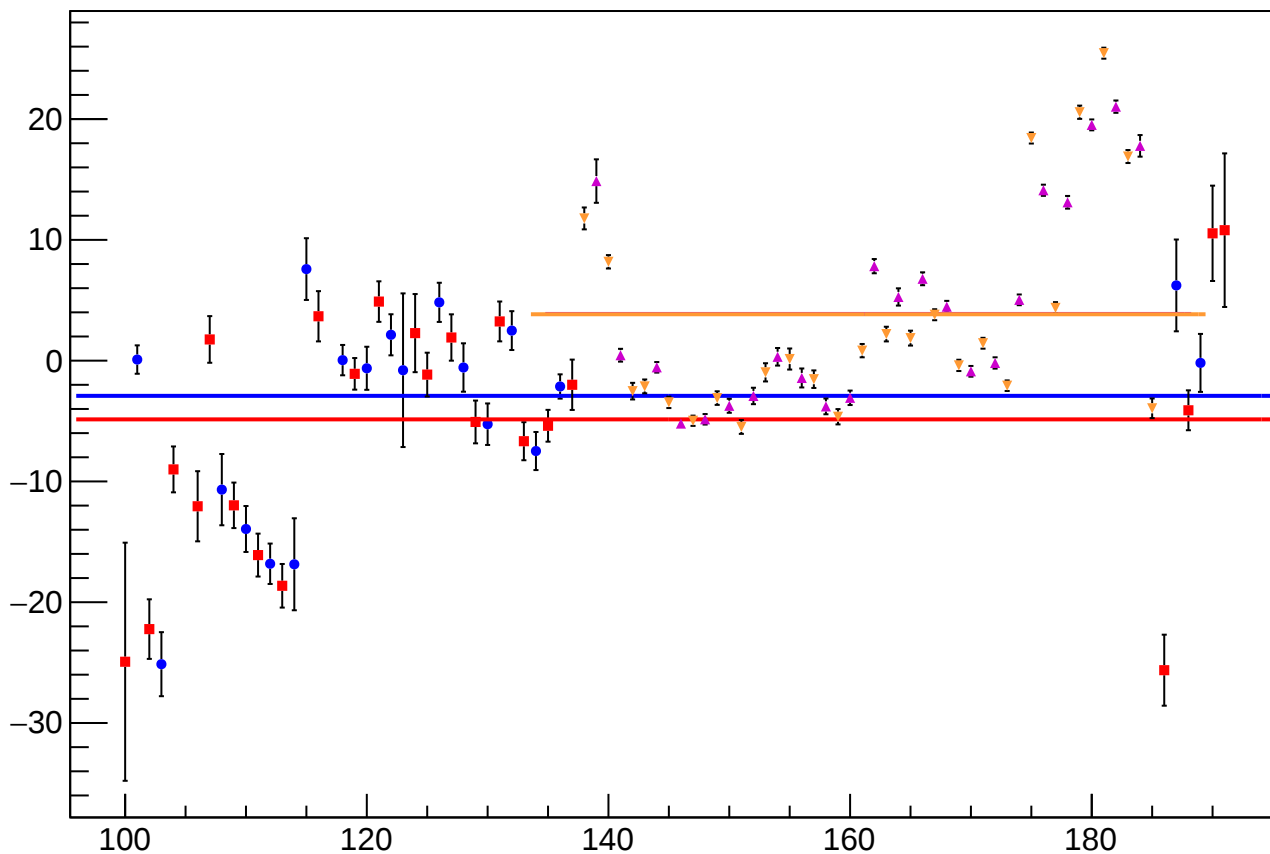
reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.575+/-1.598 χ^2/NDF : 11.0/1
 Left Out: -27.408+/-0.137 χ^2/NDF :14850.5/24
 Right Out: 17.607+/-0.978 χ^2/NDF : 738.8/3
 Left In: -27.243+/-0.139 χ^2/NDF :11305.2/22

Left: -27.327+/-0.098 χ^2/NDF : 26156.4/47
 Right: 13.508+/-0.834 χ^2/NDF : 814.2/5
 In: -27.018+/-0.139 χ^2/NDF :11661.9/24
 Out: -26.544+/-0.136 χ^2/NDF :17666.0/28
 All: -26.775+/-0.097 χ^2/NDF : 29333.9/53

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.403 χ^2/NDF : 286.1/18

Left Out: 3.841 ± 0.109 χ^2/NDF : 6939.2/24

Right Out: -4.862 ± 0.406 χ^2/NDF : 368.3/22

Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

Left: 3.853 ± 0.078 χ^2/NDF : 12363.3/47

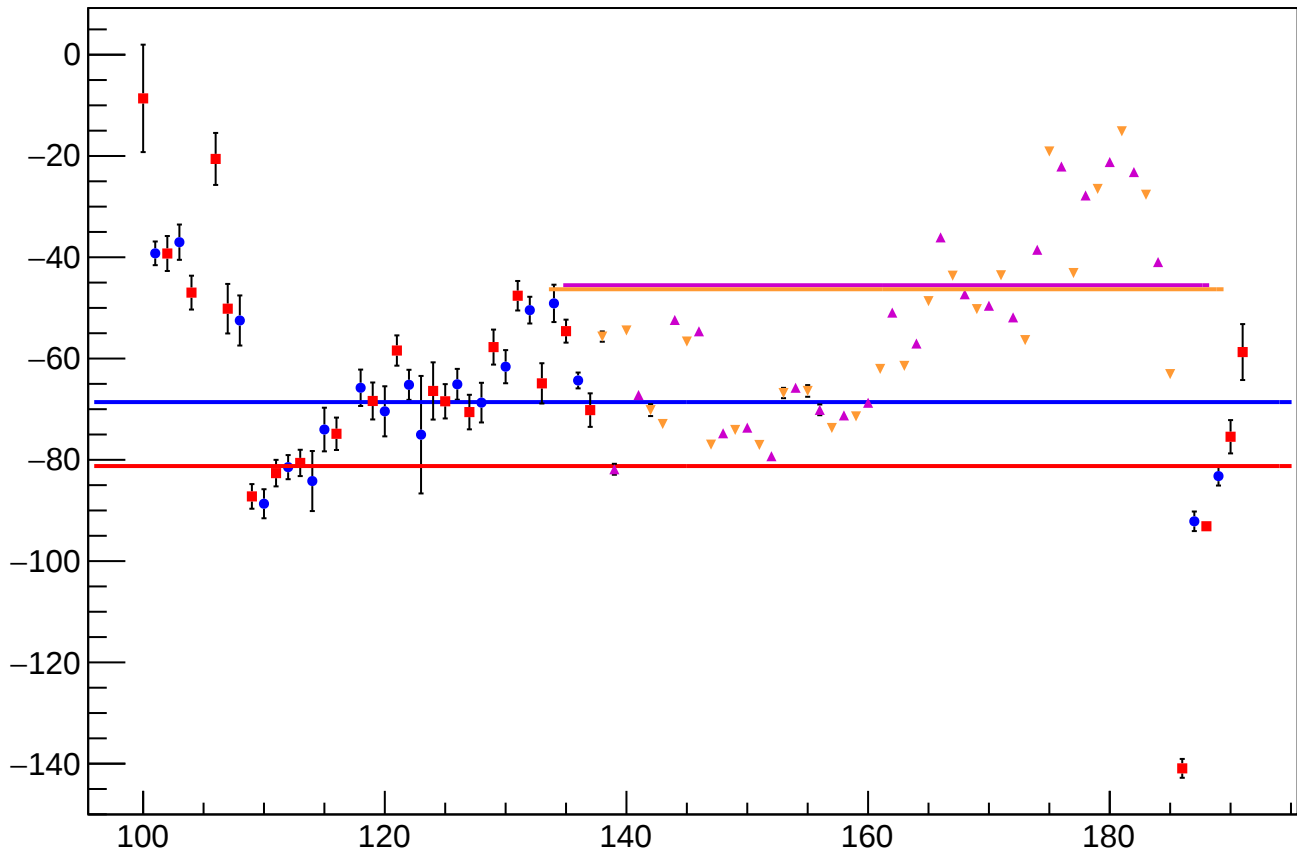
Right: -3.880 ± 0.286 χ^2/NDF : 666.0/41

In: 3.387 ± 0.107 χ^2/NDF : 5972.6/41

Out: 3.255 ± 0.105 χ^2/NDF : 7735.1/47

All: 3.320 ± 0.075 χ^2/NDF : 13708.5/89

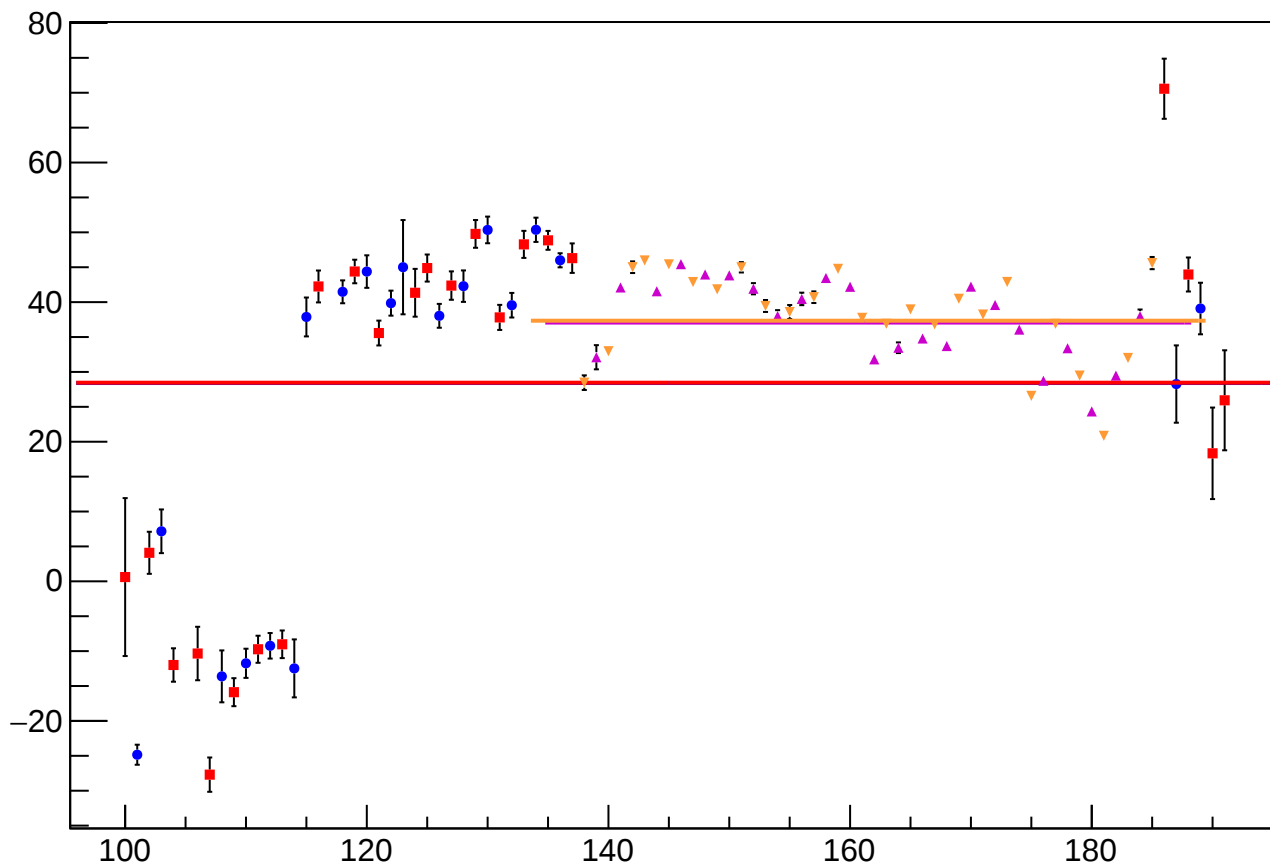
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.598 ± 0.649 χ^2/NDF : 637.6/18
 Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24
 Right Out: -81.230 ± 0.549 χ^2/NDF : 2144.4/22
 Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

Left: -45.925 ± 0.098 χ^2/NDF : 37676.5/47
 Right: -75.964 ± 0.419 χ^2/NDF : 3002.6/41
 In: -46.543 ± 0.137 χ^2/NDF : 19369.6/41
 Out: -48.390 ± 0.134 χ^2/NDF : 26081.1/47
 All: -47.486 ± 0.096 χ^2/NDF : 45544.1/89

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.412 $\pm$ 0.456 χ^2 /NDF: 3319.3/18

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.456 $\pm$ 0.466 χ^2 /NDF: 3174.9/22

Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

Left: 37.209 $\pm$ 0.088 χ^2 /NDF: 5548.7/47

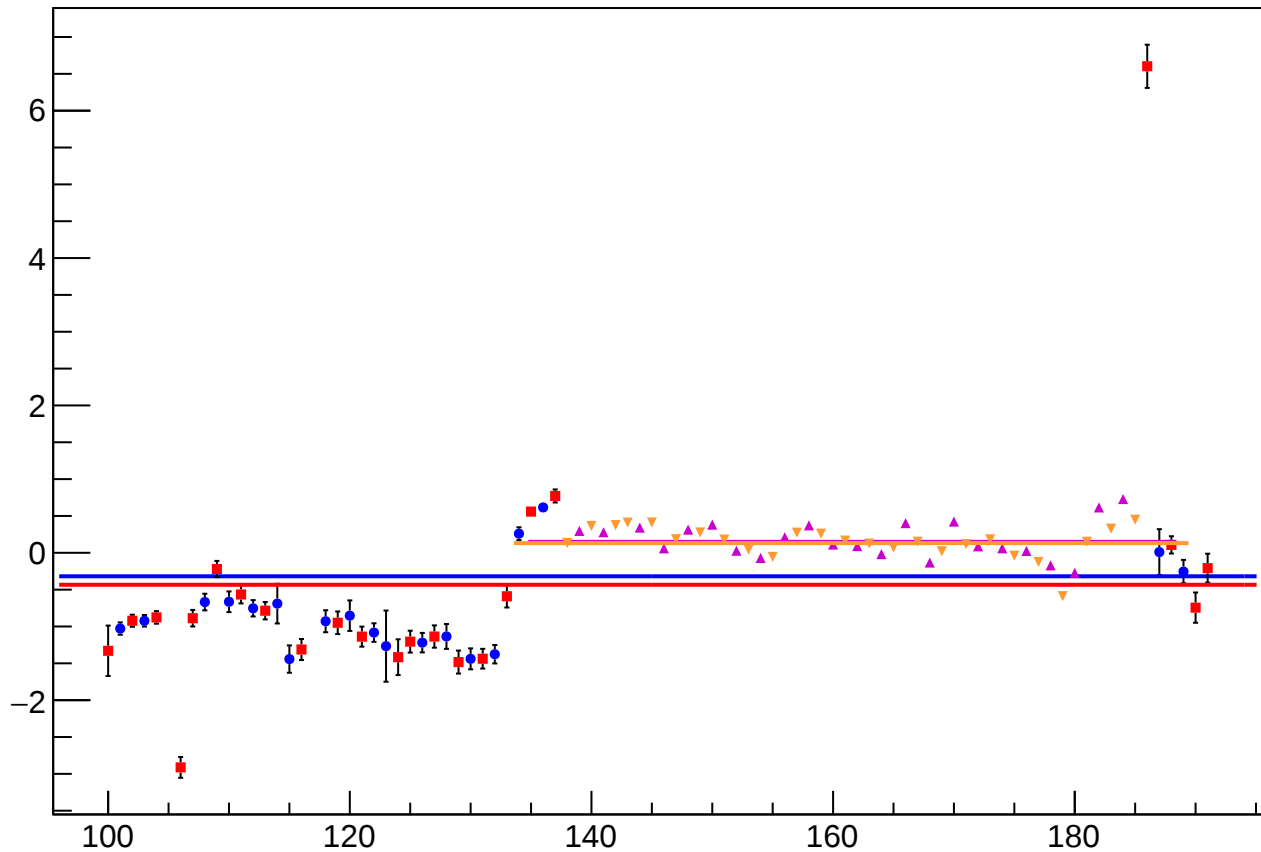
Right: 28.434 $\pm$ 0.326 χ^2 /NDF: 6494.2/41

In: 36.466 $\pm$ 0.121 χ^2 /NDF:6052.5/41

Out: 36.762 $\pm$ 0.119 χ^2 /NDF:6664.3/47

All: 36.616 $\pm$ 0.085 χ^2 /NDF: 12719.8/89

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.319 ± 0.025 χ^2/NDF : 1011.4/18

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.434 ± 0.025 χ^2/NDF : 1769.7/22

Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

Left: 0.140 ± 0.004 χ^2/NDF : 3234.6/47

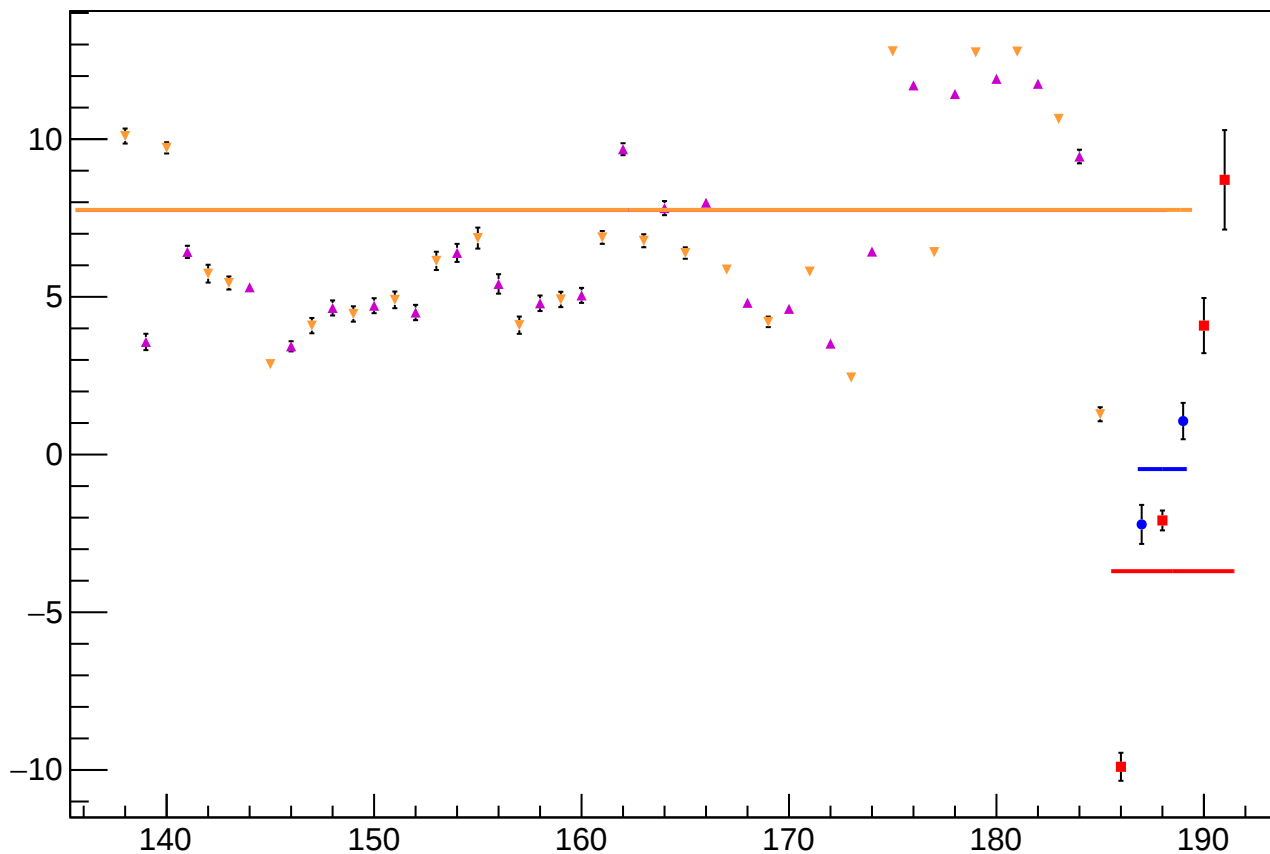
Right: -0.376 ± 0.017 χ^2/NDF : 2792.1/41

In: 0.125 ± 0.006 χ^2/NDF : 3157.6/41

Out: 0.103 ± 0.005 χ^2/NDF : 3693.6/47

All: 0.114 ± 0.004 χ^2/NDF : 6858.5/89

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.461 ± 0.422 χ^2/NDF : 15.0/1

Left Out: 7.757 ± 0.034 χ^2/NDF : 11728.6/24

Right Out: -3.698 ± 0.243 χ^2/NDF : 362.2/3

Left In: 7.753 ± 0.035 χ^2/NDF : 8345.2/22

Left: 7.755 ± 0.025 χ^2/NDF : 20073.8/47

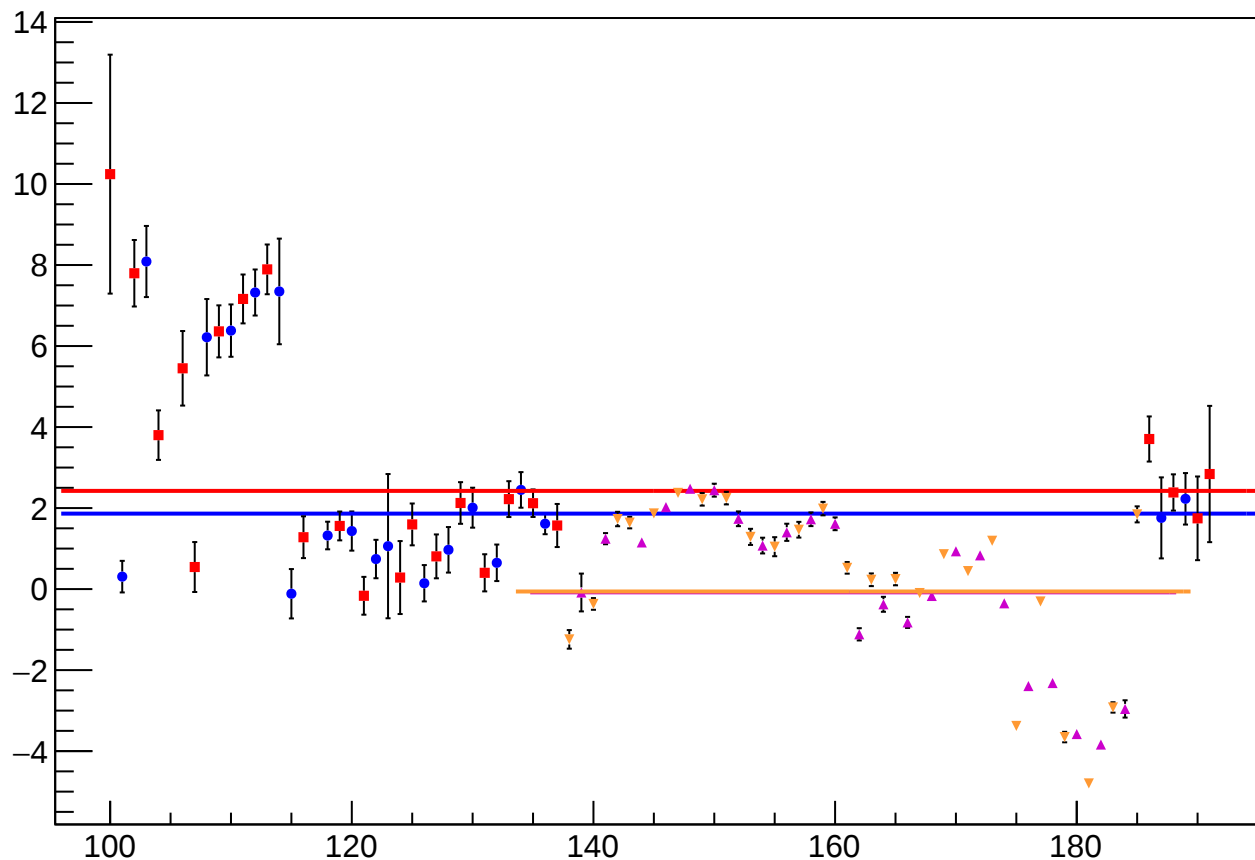
Right: -2.889 ± 0.211 χ^2/NDF : 421.4/5

In: 7.696 ± 0.035 χ^2/NDF : 8736.5/24

Out: 7.534 ± 0.034 χ^2/NDF : 14262.5/28

All: 7.613 ± 0.024 χ^2/NDF : 23010.1/53

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.863 ± 0.115 χ^2/NDF : 293.6/18

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.424 ± 0.115 χ^2/NDF : 341.5/22

Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

Left: -0.070 ± 0.020 χ^2/NDF : 11048.5/47

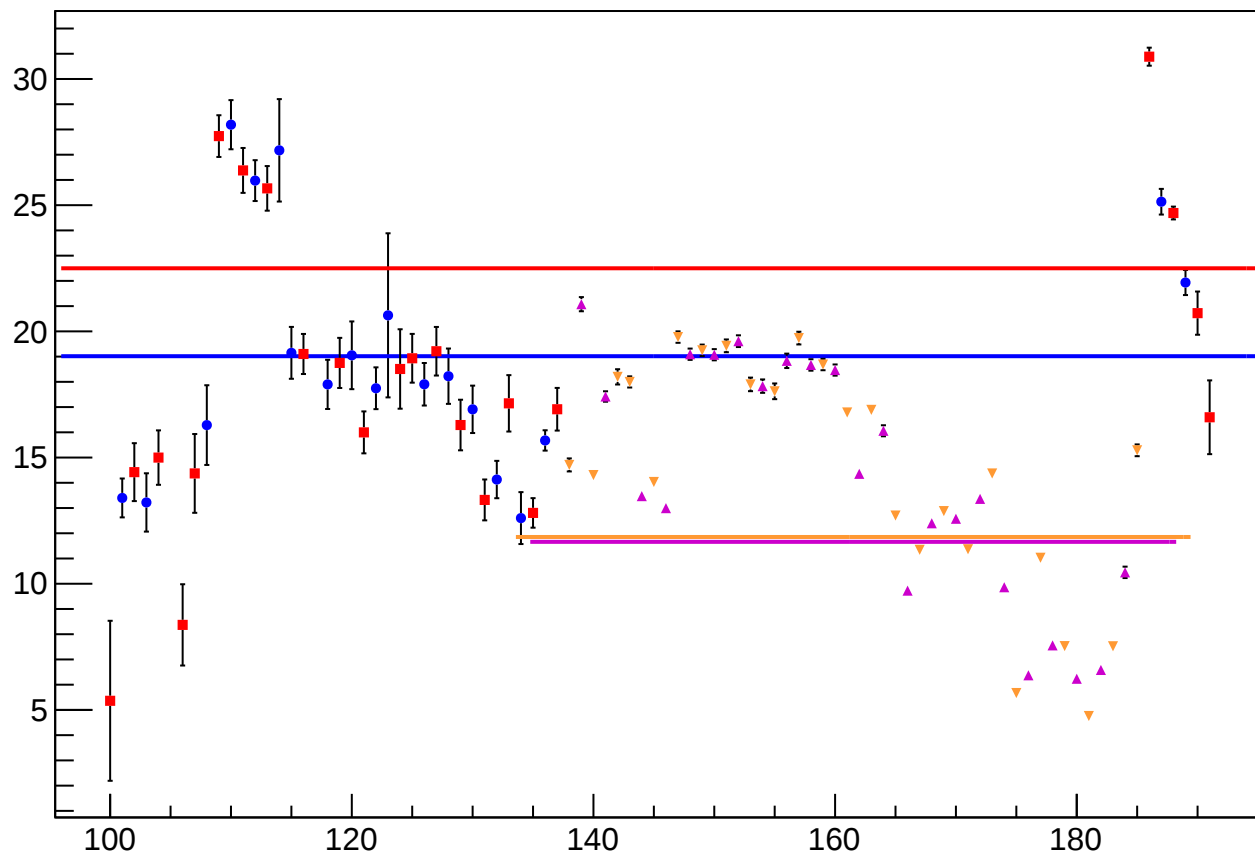
Right: 2.143 ± 0.081 χ^2/NDF : 647.1/41

In: 0.031 ± 0.027 χ^2/NDF : 5544.2/41

Out: 0.078 ± 0.027 χ^2/NDF : 6852.5/47

All: 0.055 ± 0.019 χ^2/NDF : 12398.1/89

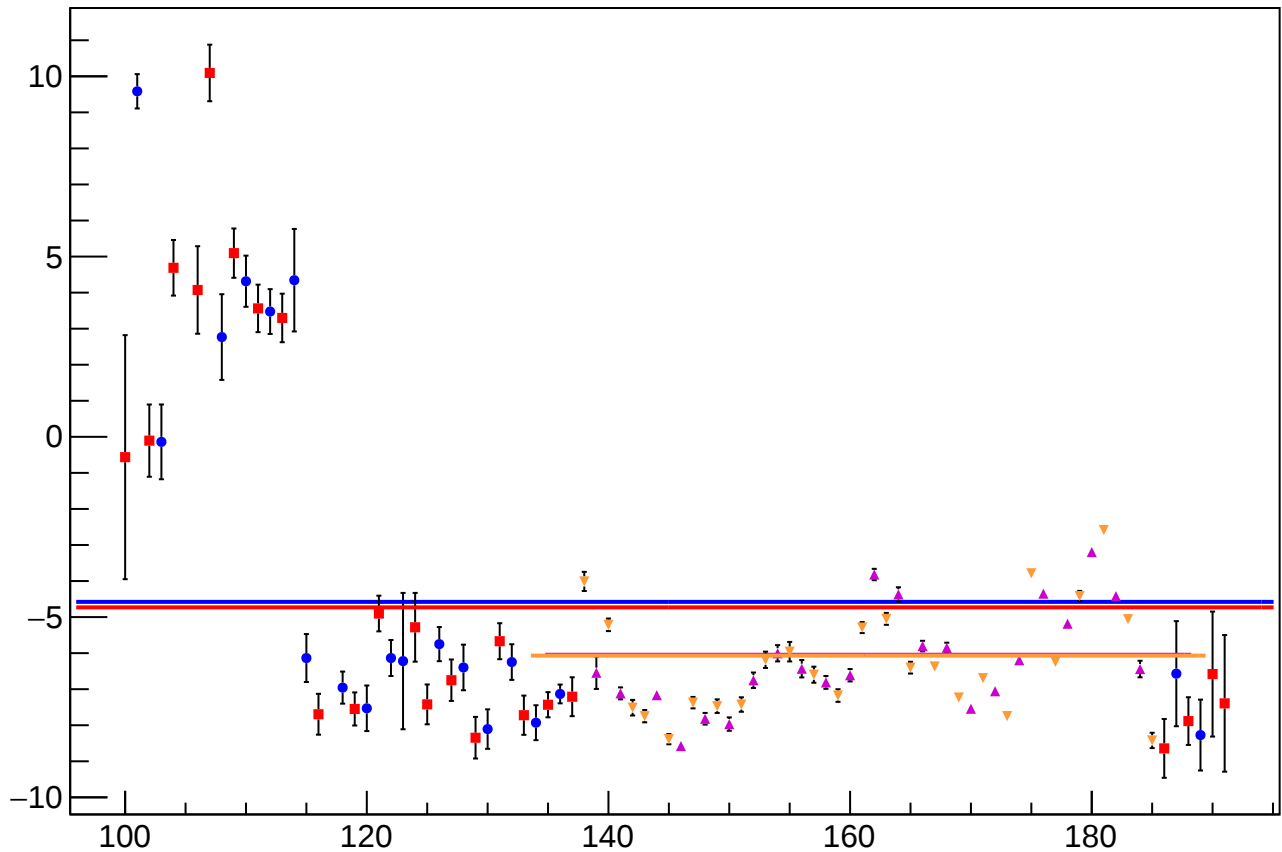
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 19.016 $\pm$ 0.183 χ^2/NDF : 601.8/18
 Left Out: 11.853 $\pm$ 0.035 χ^2/NDF :19149.4/24
 Right Out: 22.499 $\pm$ 0.148 χ^2/NDF : 1583.1/22
 Left In: 11.660 $\pm$ 0.035 χ^2/NDF :16710.2/22

Left: 11.758 $\pm$ 0.025 χ^2/NDF : 35874.9/47
 Right: 21.124 $\pm$ 0.115 χ^2/NDF : 2405.1/41
 In: 11.923 $\pm$ 0.035 χ^2/NDF :18876.8/41
 Out: 12.411 $\pm$ 0.034 χ^2/NDF :25669.4/47
 All: 12.173 $\pm$ 0.024 χ^2/NDF : 44647.9/89

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.578 ± 0.129 $\chi^2/\text{NDF}: 1599.2/18$

Left Out: -6.068 ± 0.031 $\chi^2/\text{NDF}: 2671.7/24$

Right Out: -4.730 ± 0.132 $\chi^2/\text{NDF}: 1393.3/22$

Left In: -6.045 ± 0.032 $\chi^2/\text{NDF}: 2293.7/22$

Left: -6.057 ± 0.022 $\chi^2/\text{NDF}: 4965.7/47$

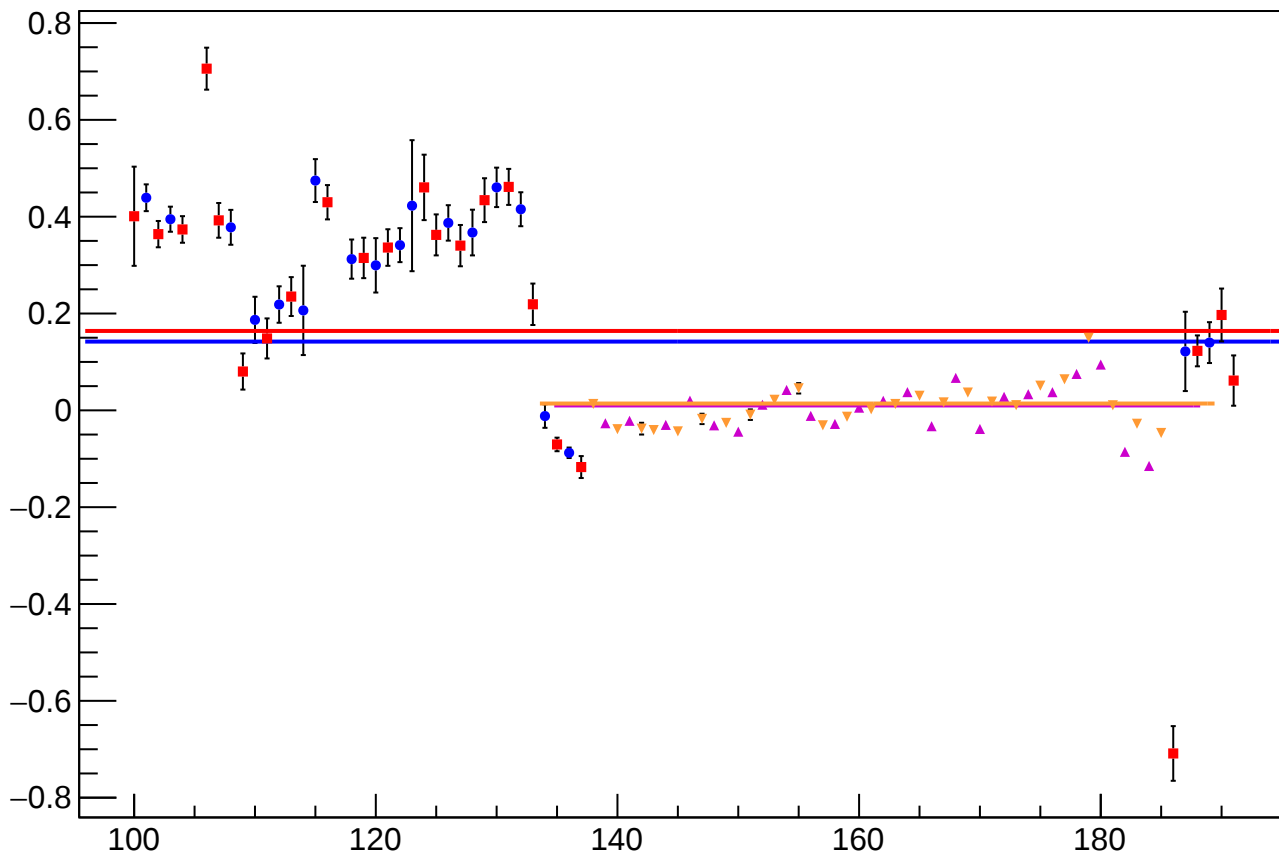
Right: -4.652 ± 0.092 $\chi^2/\text{NDF}: 2993.2/41$

In: -5.961 ± 0.031 $\chi^2/\text{NDF}: 4015.0/41$

Out: -5.998 ± 0.030 $\chi^2/\text{NDF}: 4162.5/47$

All: -5.980 ± 0.022 $\chi^2/\text{NDF}: 8178.3/89$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1057.8/18

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF:956.2/24

Right Out: 0.164 $\pm$ 0.007 χ^2 /NDF: 1250.2/22

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:1216.1/22

Left: 0.012 $\pm$ 0.001 χ^2 /NDF: 2176.2/47

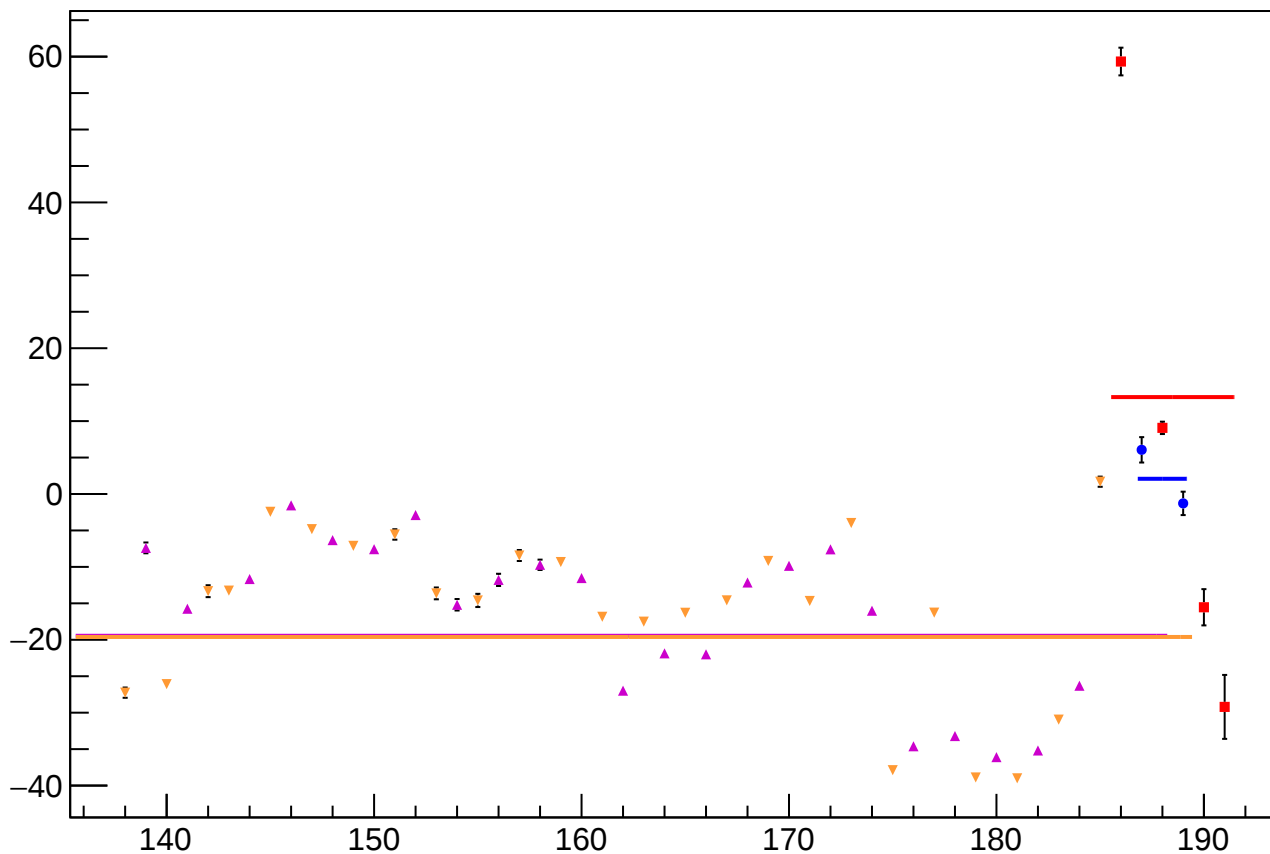
Right: 0.153 $\pm$ 0.005 χ^2 /NDF: 2312.9/41

In: 0.016 $\pm$ 0.001 χ^2 /NDF:2619.0/41

Out: 0.020 $\pm$ 0.001 χ^2 /NDF:2642.4/47

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5266.1/89

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.088+/-1.180 χ^2/NDF : 9.6/1

Left Out: -19.612+/-0.103 χ^2/NDF :15761.3/24

Right Out: 13.295+/-0.729 χ^2/NDF : 839.8/3

Left In: -19.450+/-0.105 χ^2/NDF :12283.1/22

Left: -19.533+/-0.074 χ^2/NDF : 28045.6/47

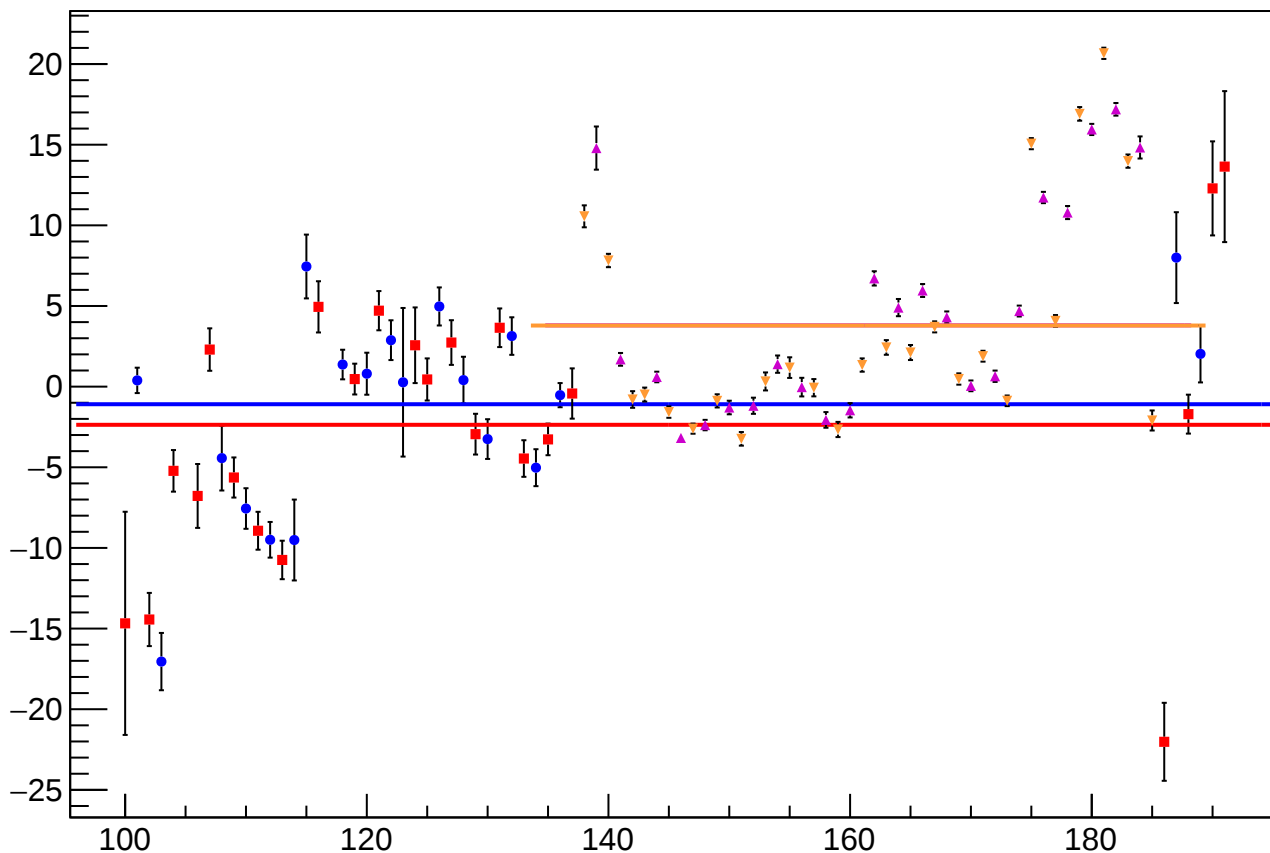
Right: 10.199+/-0.620 χ^2/NDF : 914.7/5

In: -19.281+/-0.105 χ^2/NDF :12623.1/24

Out: -18.966+/-0.102 χ^2/NDF :18598.1/28

All: -19.120+/-0.073 χ^2/NDF : 31225.8/53

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.091 ± 0.287 χ^2/NDF : 290.4/18

Left Out: 3.788 ± 0.082 χ^2/NDF : 7150.5/24

Right Out: -2.366 ± 0.290 χ^2/NDF : 387.8/22

Left In: 3.799 ± 0.084 χ^2/NDF : 5517.0/22

Left: 3.793 ± 0.059 χ^2/NDF : 12667.5/47

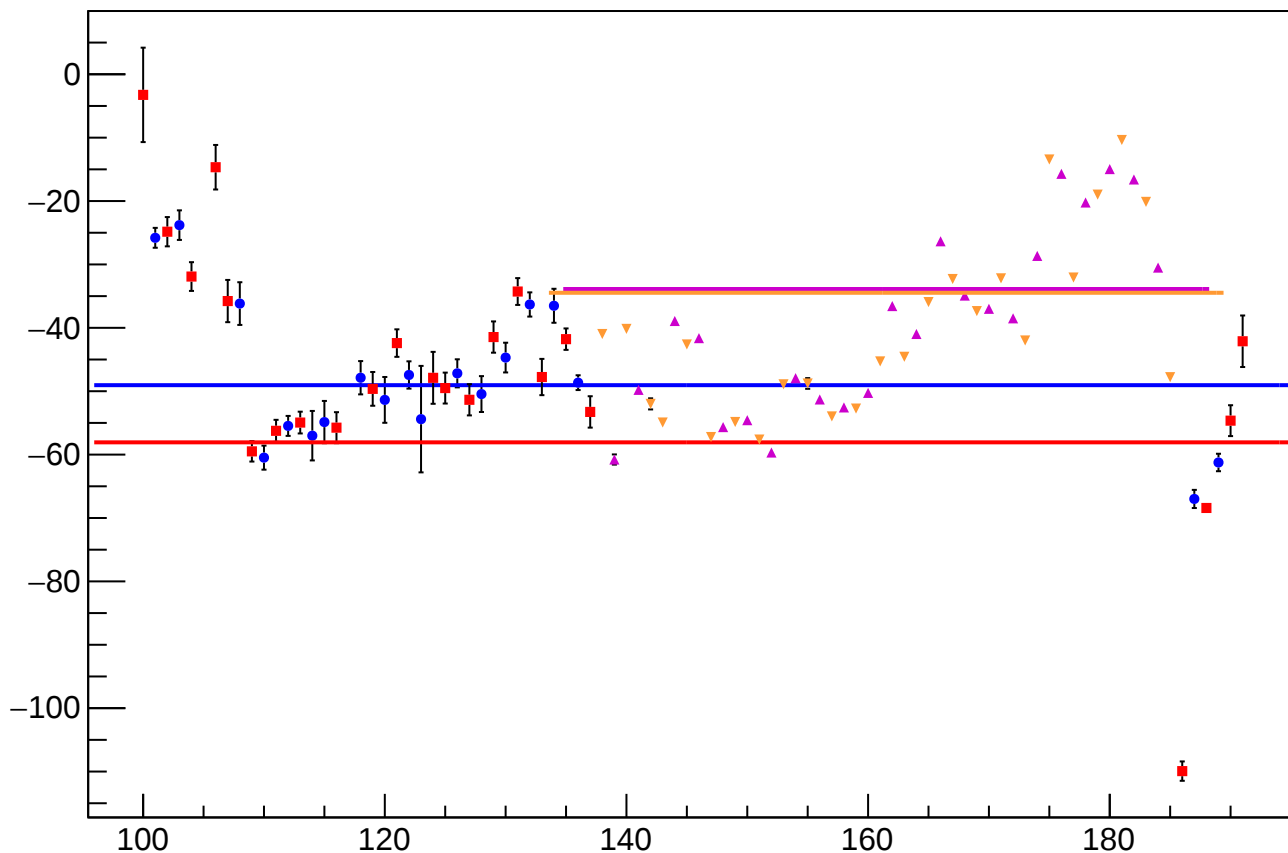
Right: -1.724 ± 0.204 χ^2/NDF : 688.1/41

In: 3.417 ± 0.080 χ^2/NDF : 6074.3/41

Out: 3.330 ± 0.079 χ^2/NDF : 7956.6/47

All: 3.373 ± 0.056 χ^2/NDF : 14031.5/89

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -49.047 ± 0.464 χ^2/NDF : 719.3/18

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -58.066 ± 0.397 χ^2/NDF : 2366.0/22

Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

Left: -34.177 ± 0.074 χ^2/NDF : 37851.2/47

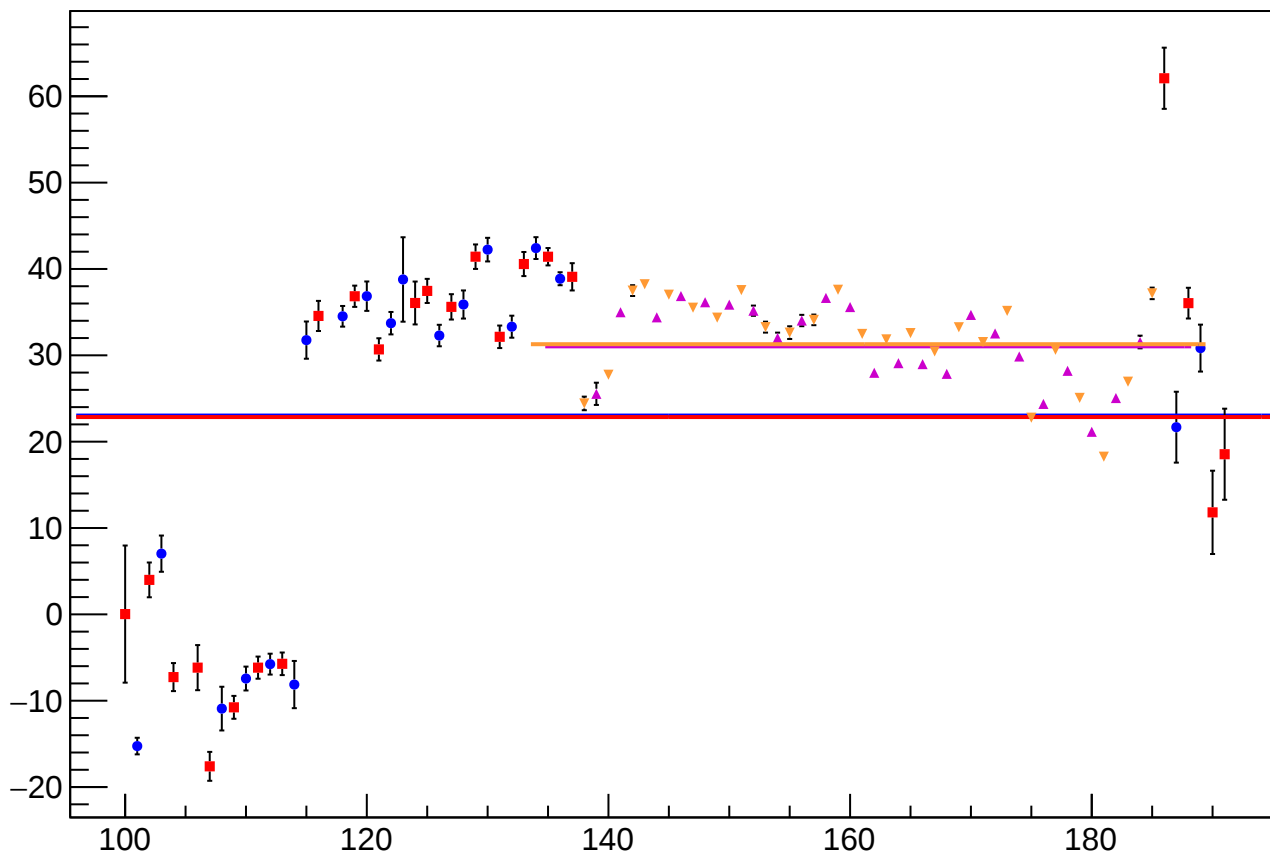
Right: -54.262 ± 0.302 χ^2/NDF : 3303.6/41

In: -34.617 ± 0.103 χ^2/NDF : 19373.9/41

Out: -35.988 ± 0.101 χ^2/NDF : 25875.4/47

All: -35.317 ± 0.072 χ^2/NDF : 45340.3/89

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.023 $\pm$ 0.325 χ^2 /NDF: 4325.7/18

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.851 $\pm$ 0.332 χ^2 /NDF: 4218.6/22

Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

Left: 31.165 $\pm$ 0.066 χ^2 /NDF: 5829.2/47

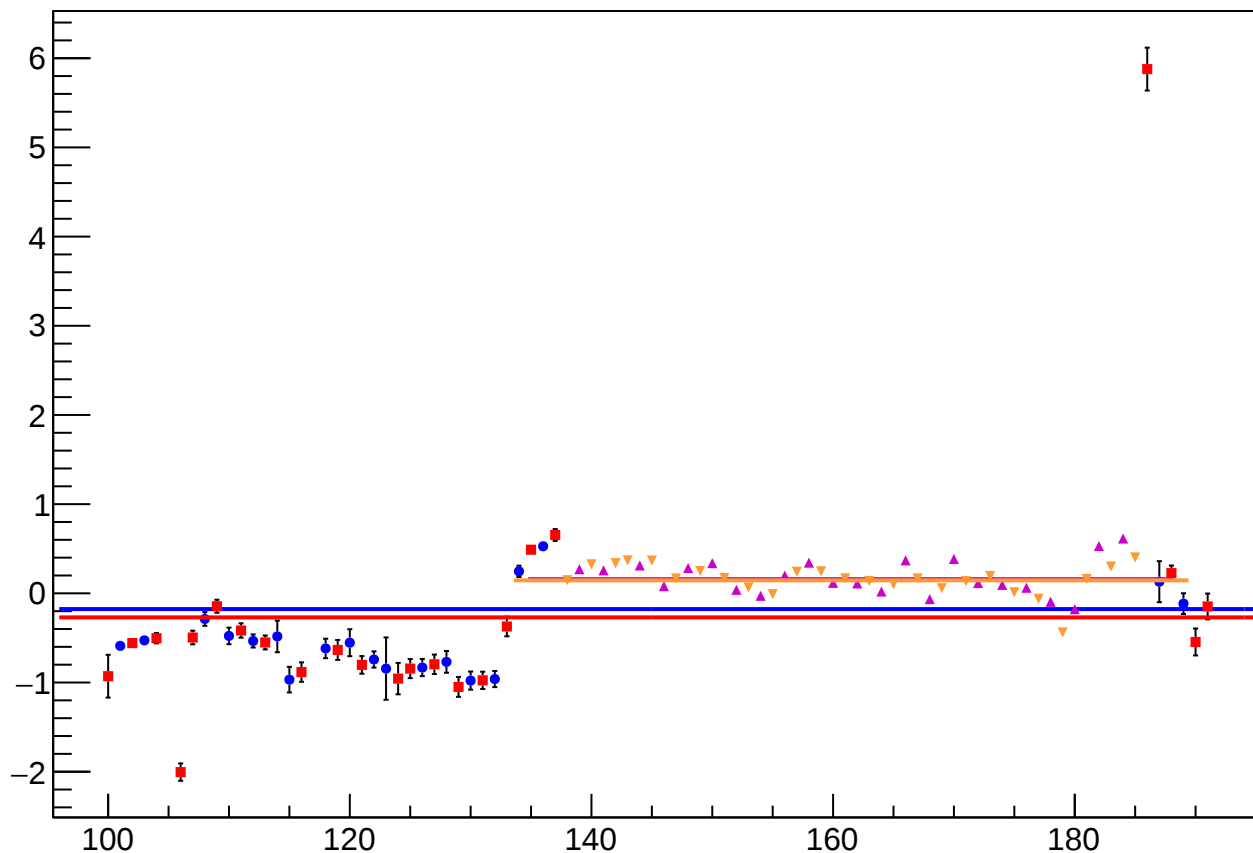
Right: 22.938 $\pm$ 0.232 χ^2 /NDF: 8544.4/41

In: 30.419 $\pm$ 0.090 χ^2 /NDF:7366.2/41

Out: 30.679 $\pm$ 0.089 χ^2 /NDF:8164.9/47

All: 30.551 $\pm$ 0.063 χ^2 /NDF: 15535.3/89

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.018 χ^2/NDF : 997.3/18

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.270 ± 0.018 χ^2/NDF : 1876.2/22

Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

Left: 0.152 ± 0.003 χ^2/NDF : 3594.3/47

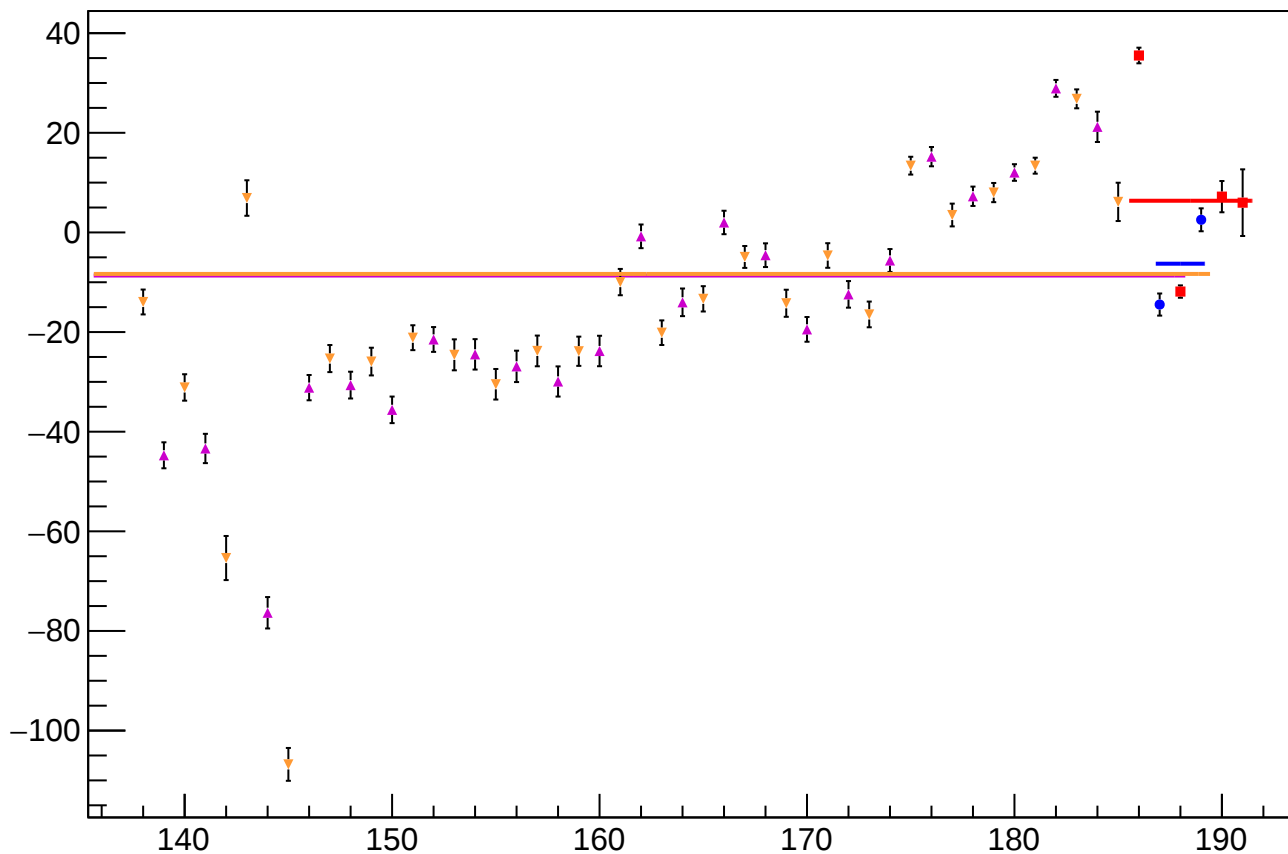
Right: -0.223 ± 0.012 χ^2/NDF : 2887.6/41

In: 0.140 ± 0.004 χ^2/NDF : 3352.4/41

Out: 0.122 ± 0.004 χ^2/NDF : 3986.9/47

All: 0.131 ± 0.003 χ^2/NDF : 7347.9/89

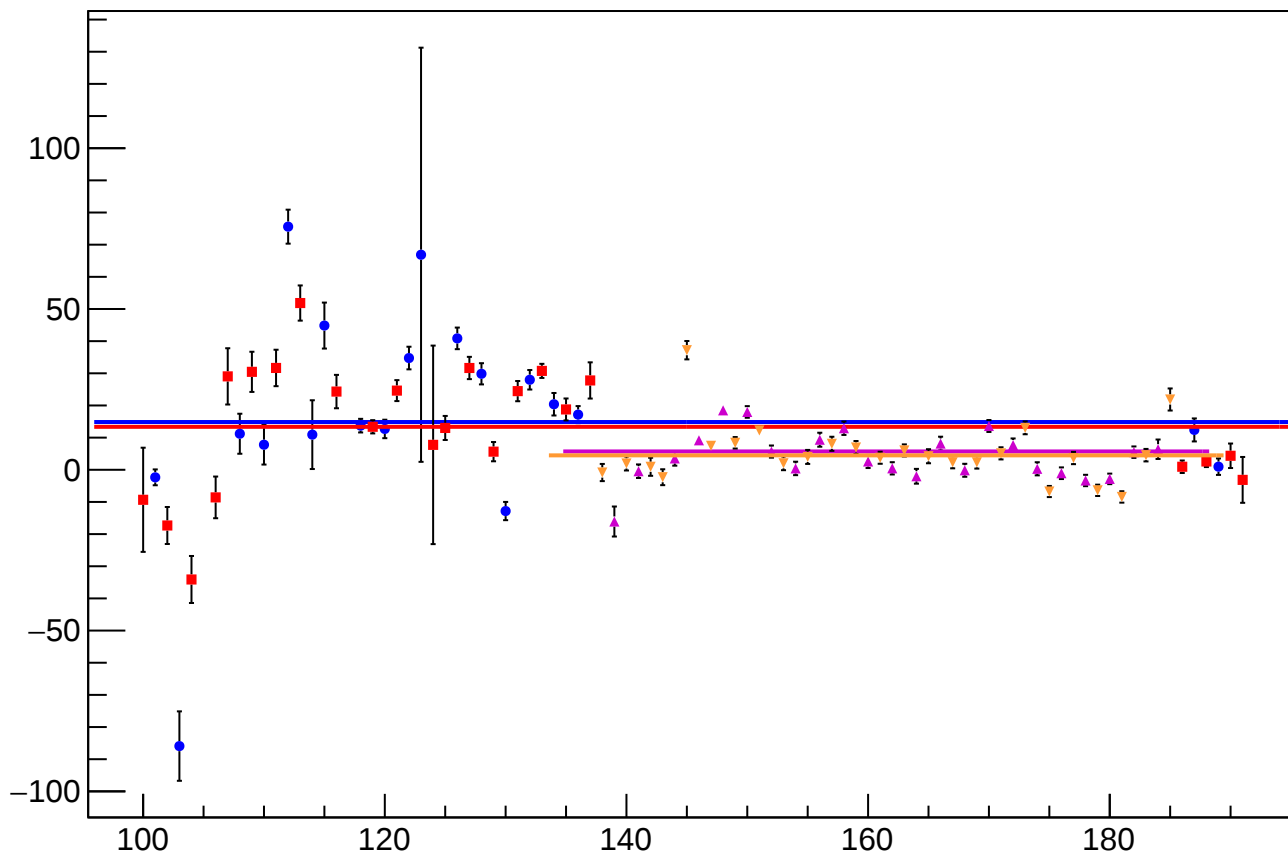
reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.277 ± 1.598 χ^2/NDF : 28.3/1
 Left Out: -8.332 ± 0.500 χ^2/NDF : 2226.2/24
 Right Out: 6.361 ± 0.920 χ^2/NDF : 561.0/3
 Left In: -8.652 ± 0.507 χ^2/NDF : 2223.8/22

Left: -8.490 ± 0.356 χ^2/NDF : 4450.2/47
 Right: 3.212 ± 0.797 χ^2/NDF : 636.3/5
 In: -8.434 ± 0.483 χ^2/NDF : 2254.1/24
 Out: -4.988 ± 0.439 χ^2/NDF : 2984.1/28
 All: -6.546 ± 0.325 χ^2/NDF : 5266.1/53

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 14.852 $\pm$ 0.795 χ^2 /NDF: 548.7/18

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 13.361 $\pm$ 0.720 χ^2 /NDF: 380.8/22

Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

Left: 5.076 $\pm$ 0.281 χ^2 /NDF: 700.6/47

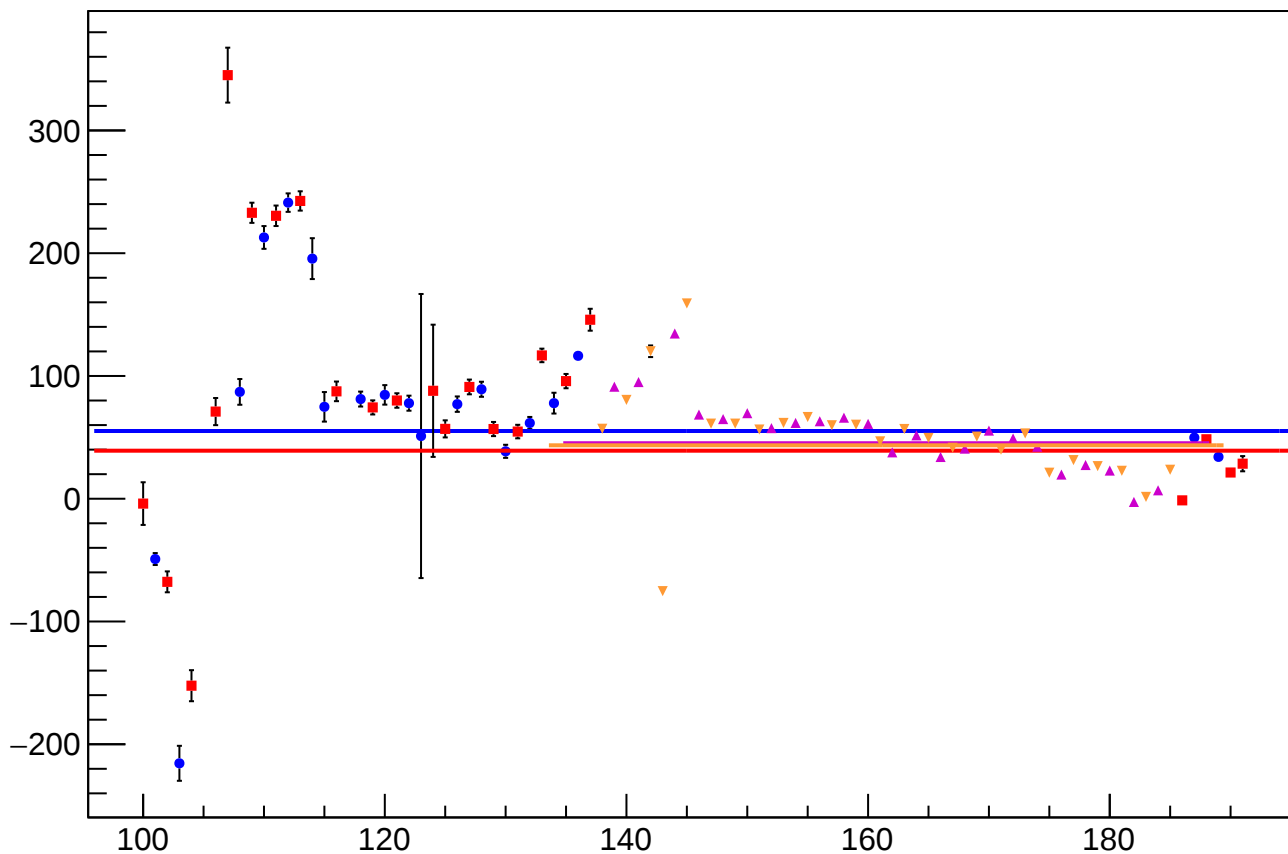
Right: 14.033 $\pm$ 0.534 χ^2 /NDF: 931.5/41

In: 7.584 $\pm$ 0.360 χ^2 /NDF: 978.0/41

Out: 6.514 $\pm$ 0.344 χ^2 /NDF: 869.8/47

All: 7.025 $\pm$ 0.249 χ^2 /NDF: 1852.5/89

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 55.170+/-1.035 χ^2/NDF : 2263.1/18

Left Out: 43.524+/-0.498 χ^2/NDF : 3830.7/24

Right Out: 39.132+/-0.688 χ^2/NDF : 4154.8/22

Left In: 45.211+/-0.504 χ^2/NDF : 3048.5/22

Left: 44.358+/-0.354 χ^2/NDF : 6884.8/47

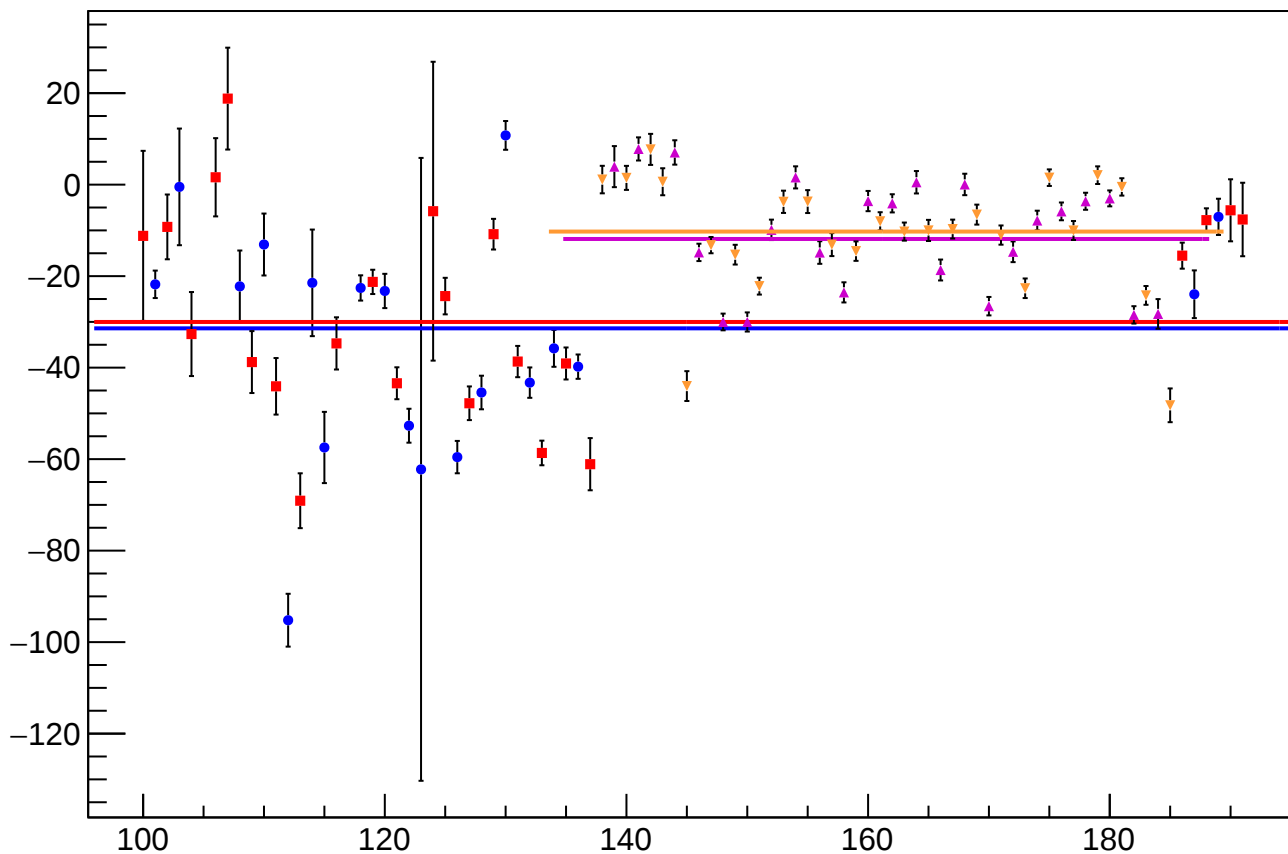
Right: 44.053+/-0.573 χ^2/NDF : 6584.5/41

In: 47.124+/-0.453 χ^2/NDF : 5386.5/41

Out: 42.013+/-0.404 χ^2/NDF : 8012.2/47

All: 44.273+/-0.301 χ^2/NDF : 13469.5/89

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -31.413 ± 0.939 χ^2/NDF : 528.6/18

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -30.017 ± 0.891 χ^2/NDF : 454.0/22

Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

Left: -11.046 ± 0.318 χ^2/NDF : 1225.1/47

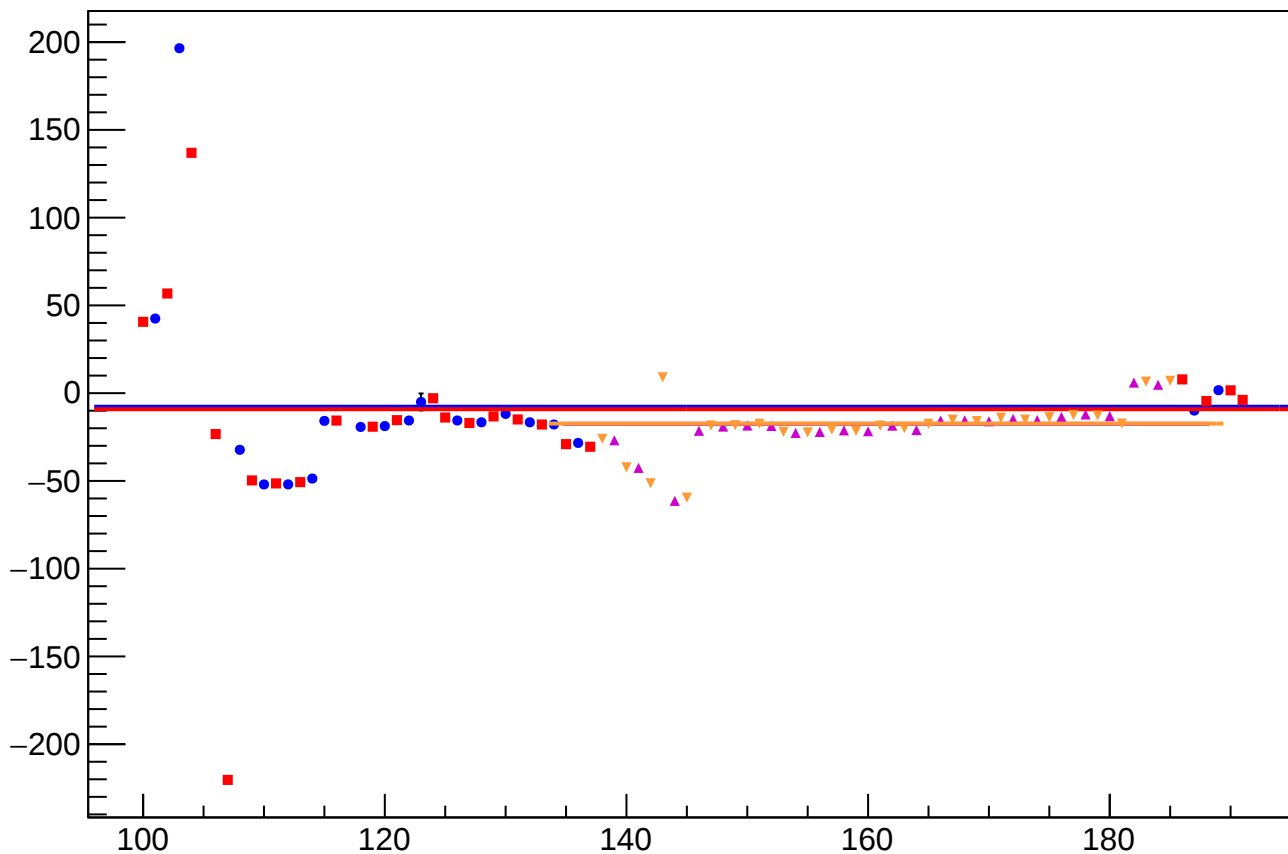
Right: -30.678 ± 0.646 χ^2/NDF : 983.8/41

In: -15.605 ± 0.410 χ^2/NDF : 1545.0/41

Out: -14.193 ± 0.398 χ^2/NDF : 1400.6/47

All: -14.877 ± 0.285 χ^2/NDF : 2951.7/89

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -7.729 ± 0.055 χ^2/NDF : 578514.6/18

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -9.148 ± 0.051 χ^2/NDF : 573610.4/22

Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

Left: -17.411 ± 0.015 χ^2/NDF : 584442.6/47

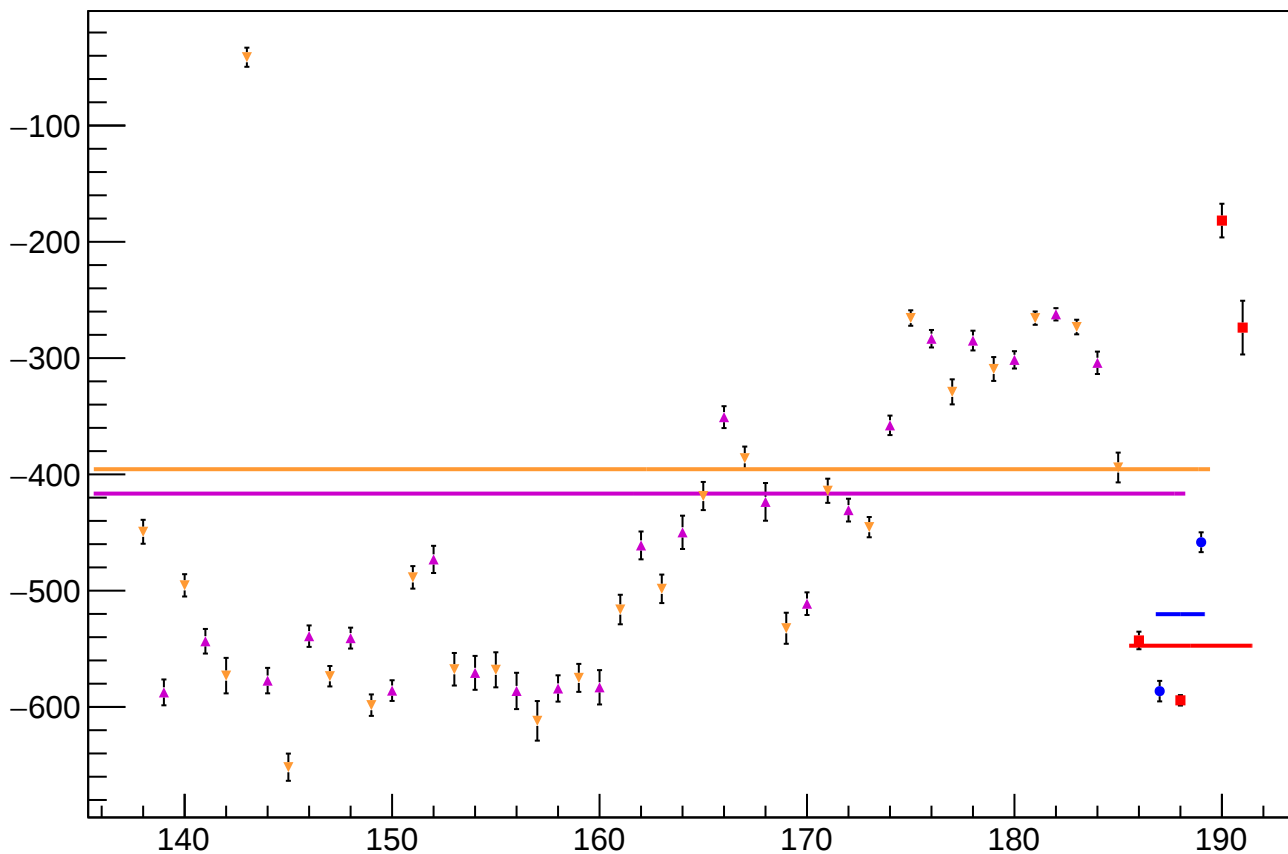
Right: -8.496 ± 0.037 χ^2/NDF : 1152481.7/41

In: -16.292 ± 0.019 χ^2/NDF : 865101.3/41

Out: -16.201 ± 0.019 χ^2/NDF : 921058.7/47

All: -16.246 ± 0.014 χ^2/NDF : 1786171.3/89

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -520.219 ± 6.129 $\chi^2/\text{NDF}: 109.0/1$

Left Out: -395.547 ± 1.953 $\chi^2/\text{NDF}: 5946.5/24$

Right Out: -547.328 ± 3.679 $\chi^2/\text{NDF}: 888.0/3$

Left In: -416.521 ± 2.005 $\chi^2/\text{NDF}: 3917.0/22$

Left: -405.762 ± 1.399 $\chi^2/\text{NDF}: 9919.7/47$

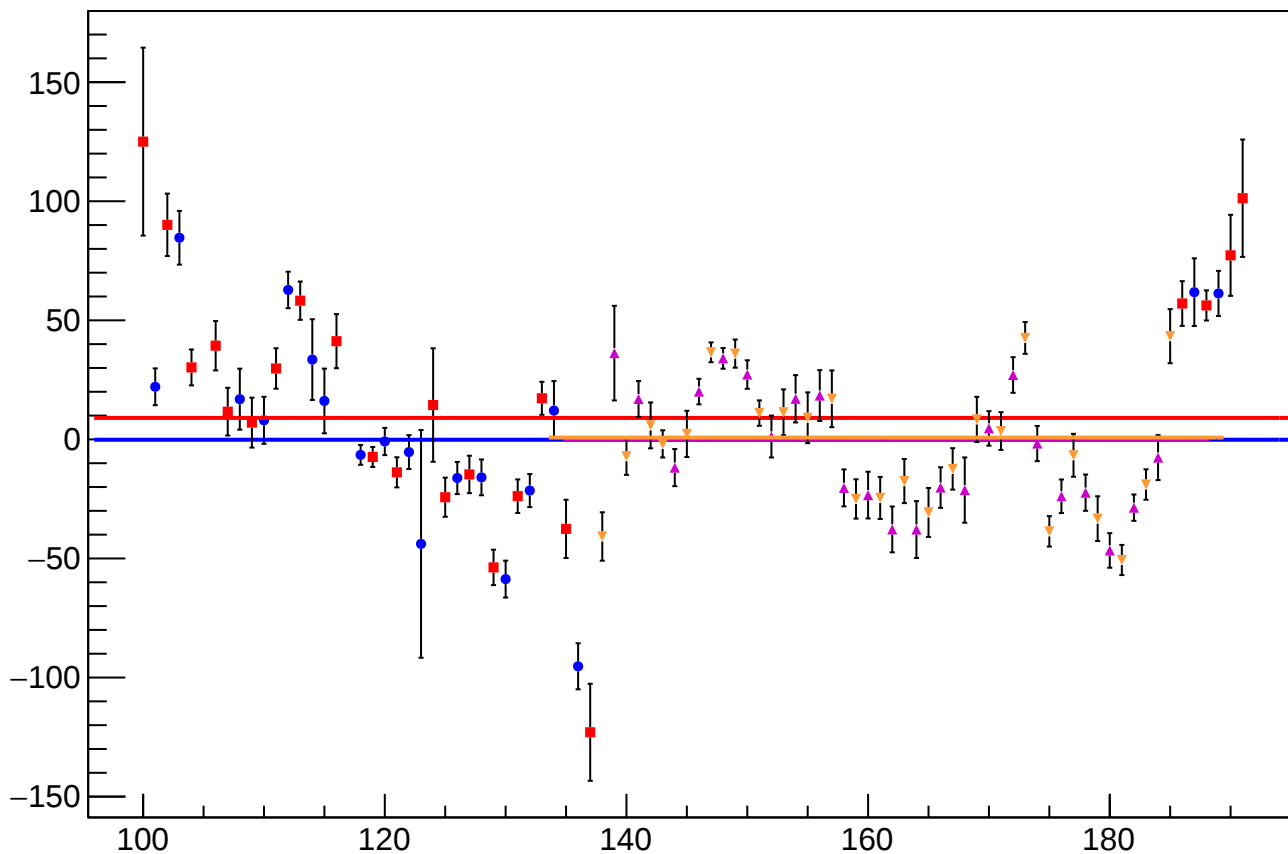
Right: -540.147 ± 3.154 $\chi^2/\text{NDF}: 1011.4/5$

In: -426.545 ± 1.905 $\chi^2/\text{NDF}: 4284.6/24$

Out: -428.930 ± 1.725 $\chi^2/\text{NDF}: 8162.3/28$

All: -427.856 ± 1.279 $\chi^2/\text{NDF}: 12447.8/53$

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.141 ± 1.871 χ^2/NDF : 379.1/18

Left Out: 0.767 ± 1.503 χ^2/NDF : 350.1/24

Right Out: 9.018 ± 1.786 χ^2/NDF : 431.8/22

Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

Left: 0.305 ± 1.087 χ^2/NDF : 611.1/47

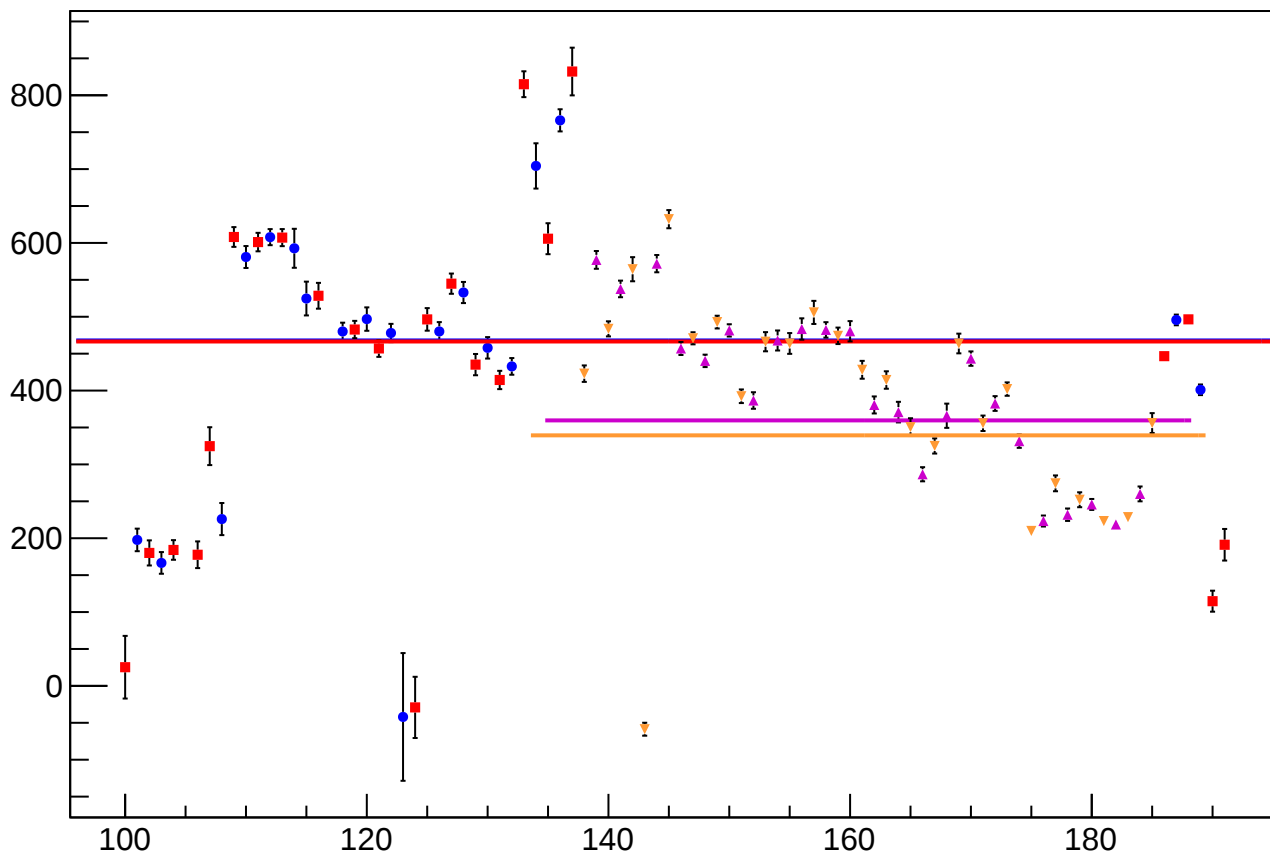
Right: 4.653 ± 1.292 χ^2/NDF : 823.4/41

In: -0.177 ± 1.205 χ^2/NDF : 639.9/41

Out: 4.187 ± 1.150 χ^2/NDF : 794.3/47

All: 2.108 ± 0.832 χ^2/NDF : 1441.1/89

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 467.898 $\pm$ 2.981 χ^2 /NDF: 1736.1/18

Left Out: 339.355 $\pm$ 1.963 χ^2 /NDF: 5502.5/24

Right Out: 466.495 $\pm$ 2.288 χ^2 /NDF: 3146.8/22

Left In: 359.609 $\pm$ 2.003 χ^2 /NDF: 3398.5/22

Left: 349.278 $\pm$ 1.402 χ^2 /NDF: 8953.2/47

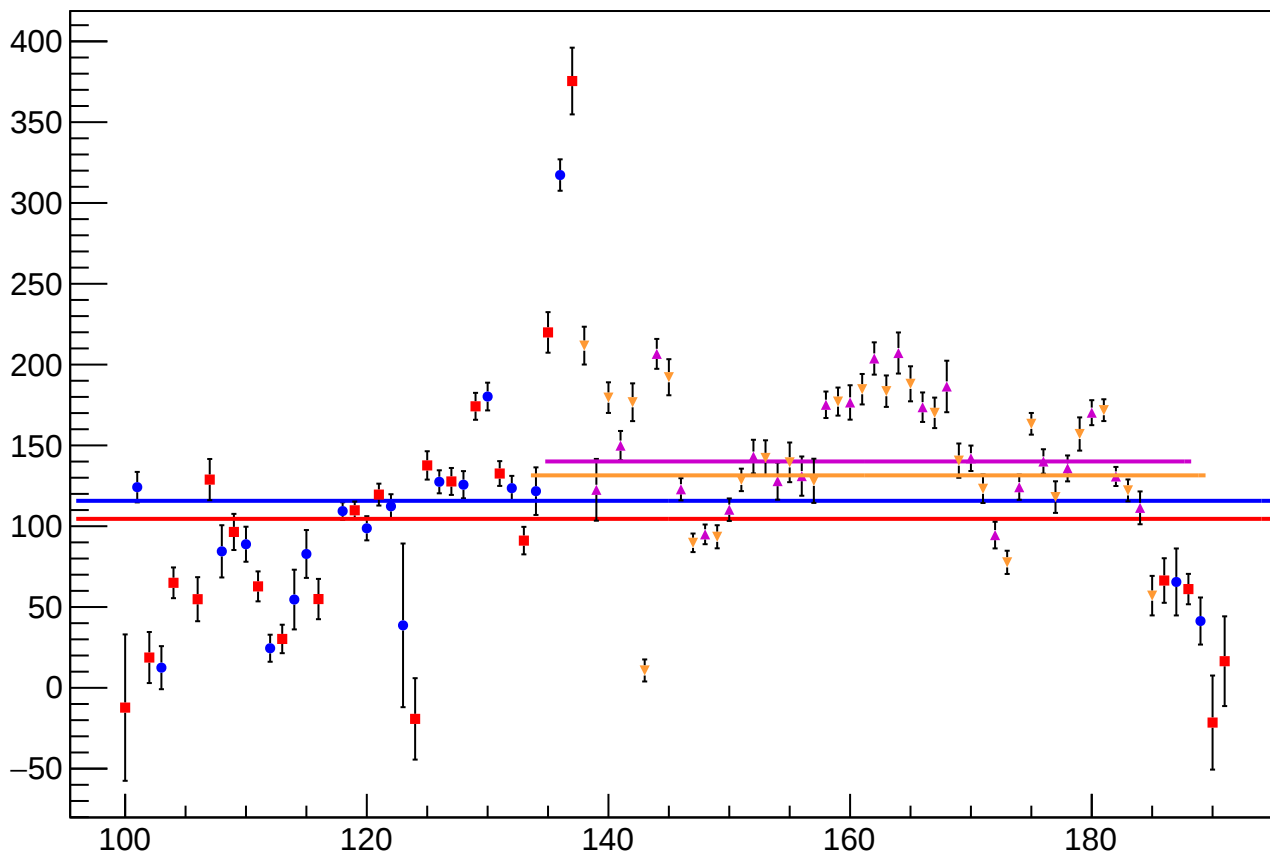
Right: 467.015 $\pm$ 1.815 χ^2 /NDF: 4883.1/41

In: 393.289 $\pm$ 1.662 χ^2 /NDF: 6044.0/41

Out: 393.261 $\pm$ 1.490 χ^2 /NDF: 10428.6/47

All: 393.273 $\pm$ 1.109 χ^2 /NDF: 16472.6/89

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 115.710 $\pm$ 2.192 χ^2 /NDF: 738.1/18

Left Out: 131.464 $\pm$ 1.728 χ^2 /NDF:809.3/24

Right Out: 104.548 $\pm$ 2.113 χ^2 /NDF: 630.4/22

Left In: 140.069 $\pm$ 1.795 χ^2 /NDF:316.5/22

Left: 135.602 $\pm$ 1.245 χ^2 /NDF: 1137.8/47

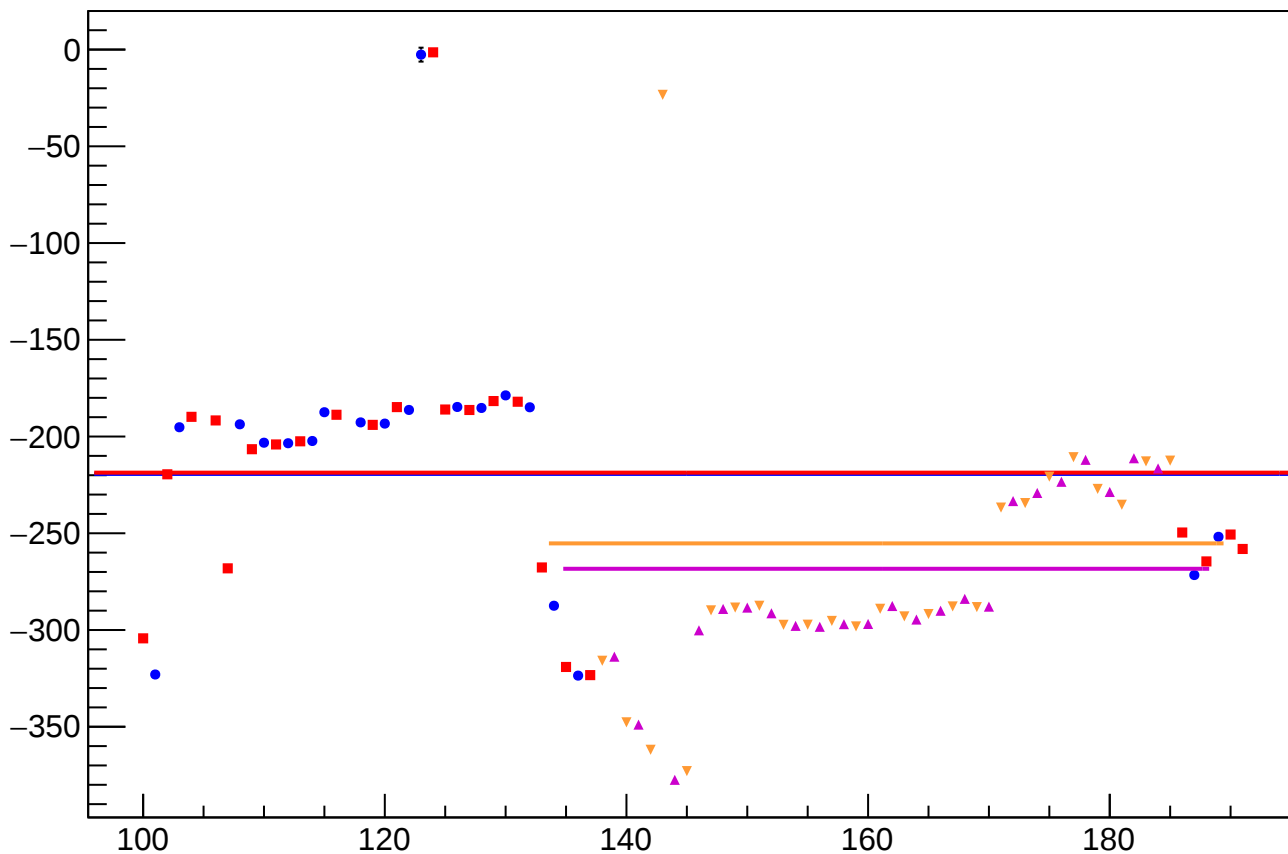
Right: 109.924 $\pm$ 1.522 χ^2 /NDF: 1381.9/41

In: 130.293 $\pm$ 1.389 χ^2 /NDF:1128.5/41

Out: 120.681 $\pm$ 1.338 χ^2 /NDF:1537.0/47

All: 125.306 $\pm$ 0.963 χ^2 /NDF: 2690.3/89

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -219.329+/-0.133 χ^2/NDF : 151145.3/18

Left Out: -255.232+/-0.082 χ^2/NDF : 728016.7/24

Right Out: -218.669+/-0.122 χ^2/NDF : 132030.4/22

Left In: -268.353+/-0.084 χ^2/NDF : 262479.3/22

Left: -261.661+/-0.059 χ^2/NDF : 1003051.2/47

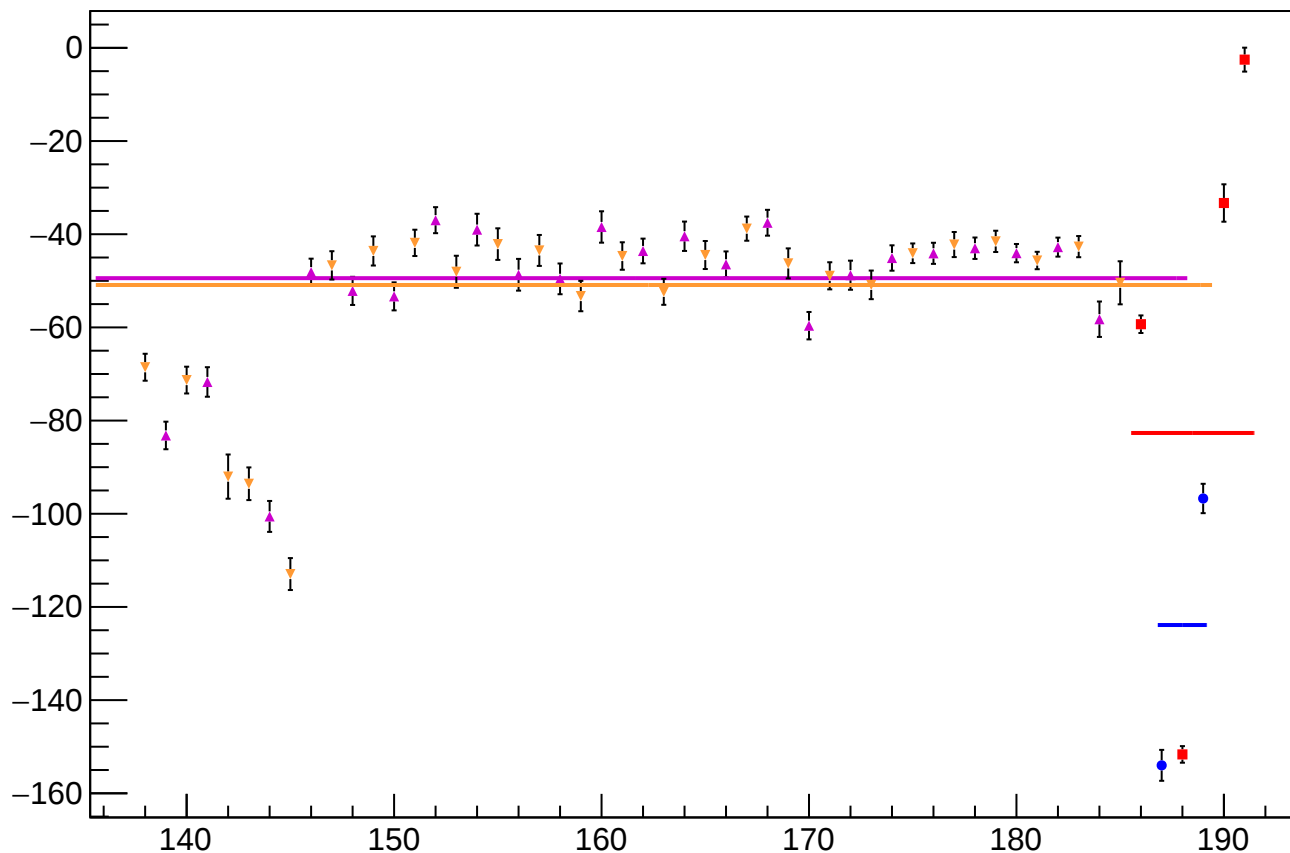
Right: -218.970+/-0.090 χ^2/NDF : 283189.1/41

In: -254.470+/-0.071 χ^2/NDF : 510955.3/41

Out: -243.842+/-0.068 χ^2/NDF : 922042.3/47

All: -248.942+/-0.049 χ^2/NDF : 1444717.8/89

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -123.879 ± 2.285 $\chi^2/\text{NDF}: 156.7/1$

Left Out: -50.897 ± 0.573 $\chi^2/\text{NDF}: 761.1/24$

Right Out: -82.659 ± 1.111 $\chi^2/\text{NDF}: 2779.6/3$

Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

Left: -50.179 ± 0.409 $\chi^2/\text{NDF}: 1307.8/47$

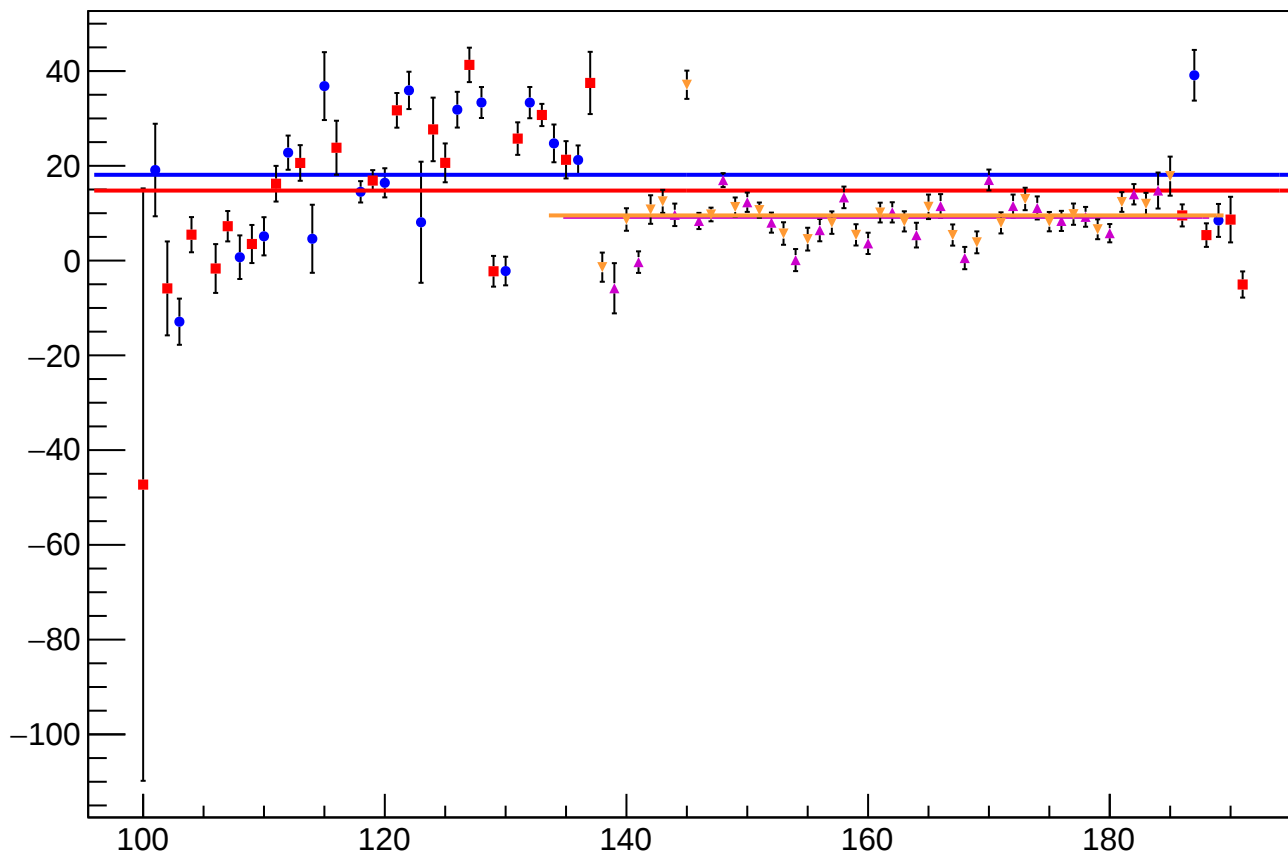
Right: -90.541 ± 0.999 $\chi^2/\text{NDF}: 3199.5/5$

In: -53.996 ± 0.566 $\chi^2/\text{NDF}: 1696.7/24$

Out: -57.567 ± 0.509 $\chi^2/\text{NDF}: 4186.5/28$

All: -55.970 ± 0.378 $\chi^2/\text{NDF}: 5905.2/53$

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.104 ± 0.876 χ^2/NDF : 229.7/18

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 14.776 ± 0.733 χ^2/NDF : 292.9/22

Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

Left: 9.386 ± 0.321 χ^2/NDF : 258.5/47

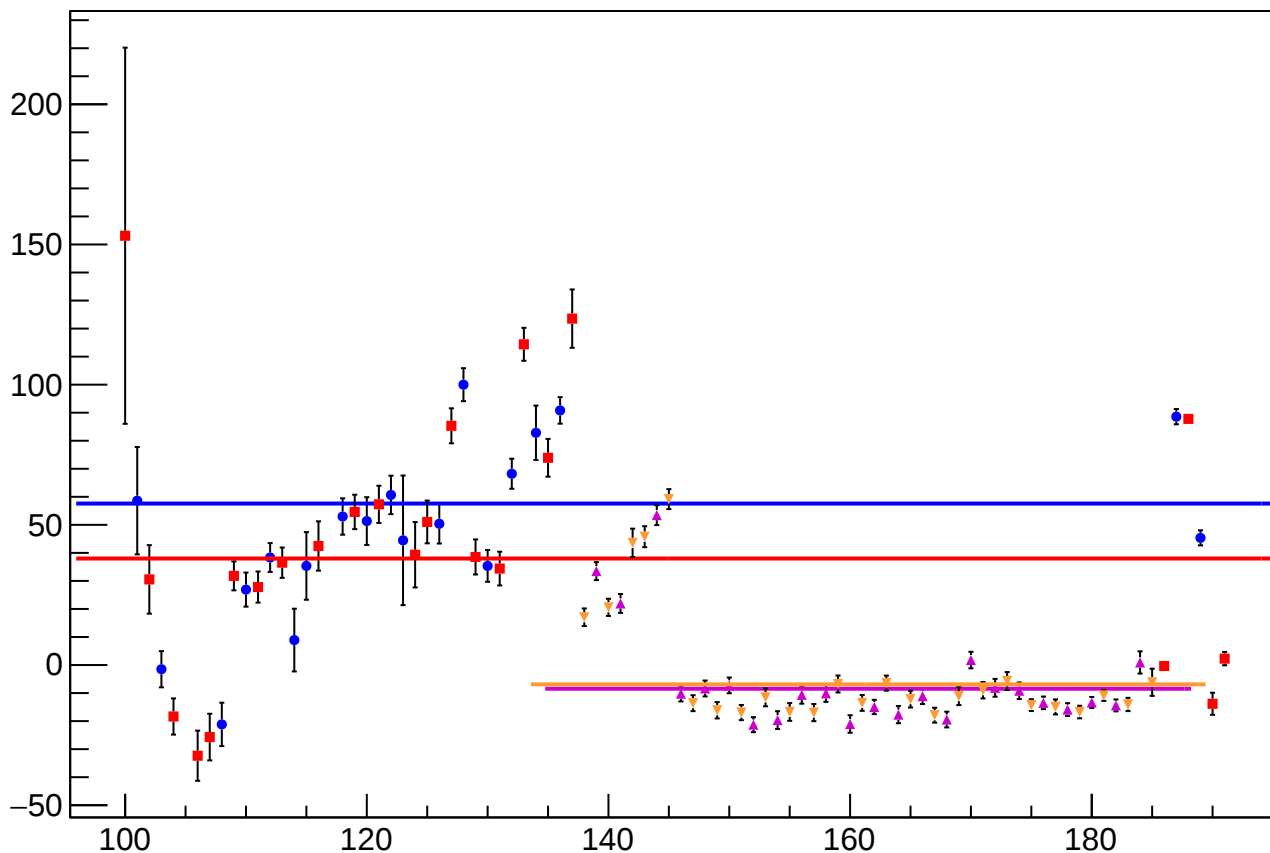
Right: 16.146 ± 0.562 χ^2/NDF : 531.1/41

In: 11.159 ± 0.408 χ^2/NDF : 433.9/41

Out: 10.947 ± 0.381 χ^2/NDF : 464.7/47

All: 11.046 ± 0.279 χ^2/NDF : 898.7/89

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.599 $\pm$ 1.263 χ^2 /NDF: 529.0/18

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 37.990 $\pm$ 0.803 χ^2 /NDF: 2792.3/22

Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

Left: -7.658 $\pm$ 0.407 χ^2 /NDF: 1606.8/47

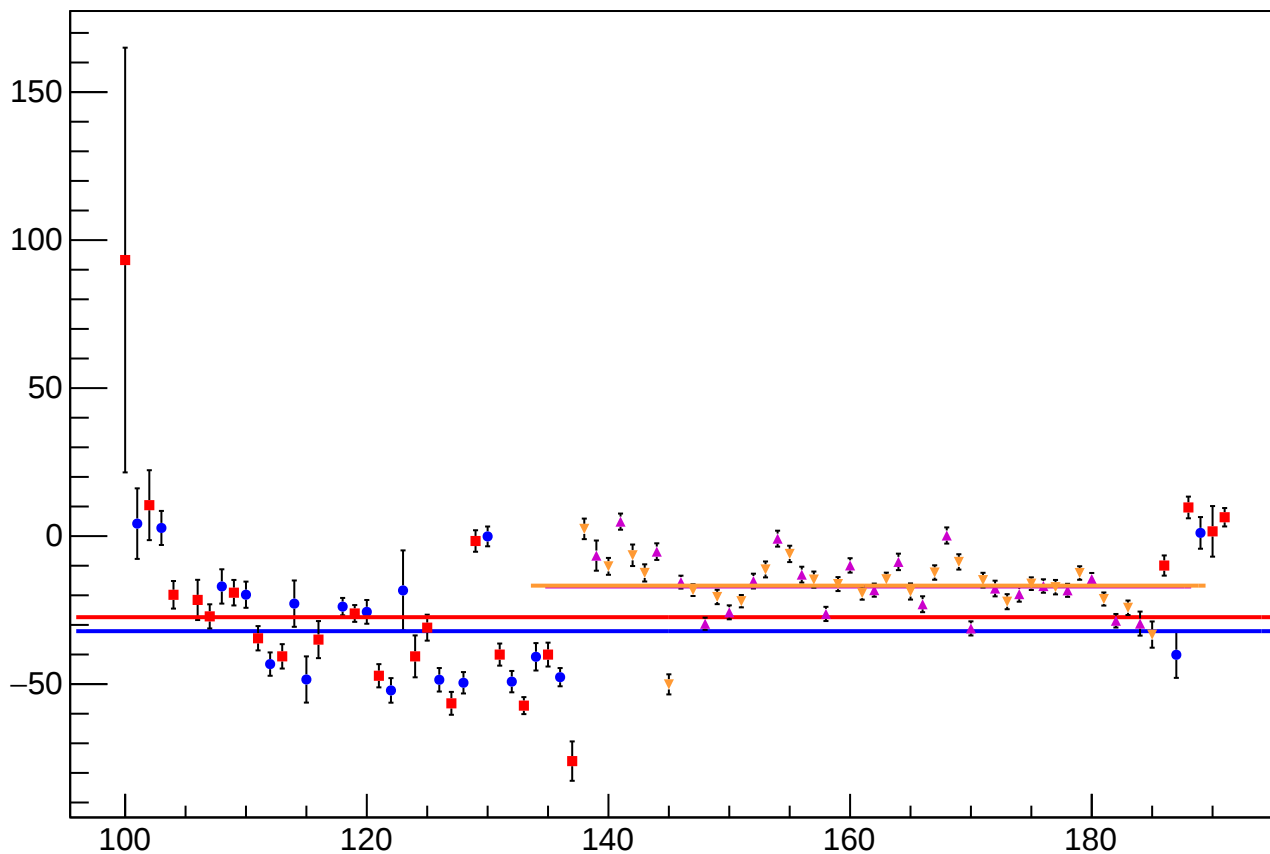
Right: 43.627 $\pm$ 0.677 χ^2 /NDF: 3492.9/41

In: 3.039 $\pm$ 0.527 χ^2 /NDF: 3475.4/41

Out: 8.194 $\pm$ 0.465 χ^2 /NDF: 5782.6/47

All: 5.936 $\pm$ 0.349 χ^2 /NDF: 9311.8/89

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.113 ± 1.017 $\chi^2/\text{NDF}: 332.1/18$

Left Out: -16.733 ± 0.507 $\chi^2/\text{NDF}: 223.3/24$

Right Out: -27.389 ± 0.880 $\chi^2/\text{NDF}: 612.5/22$

Left In: -17.023 ± 0.522 $\chi^2/\text{NDF}: 327.6/22$

Left: -16.874 ± 0.364 $\chi^2/\text{NDF}: 551.0/47$

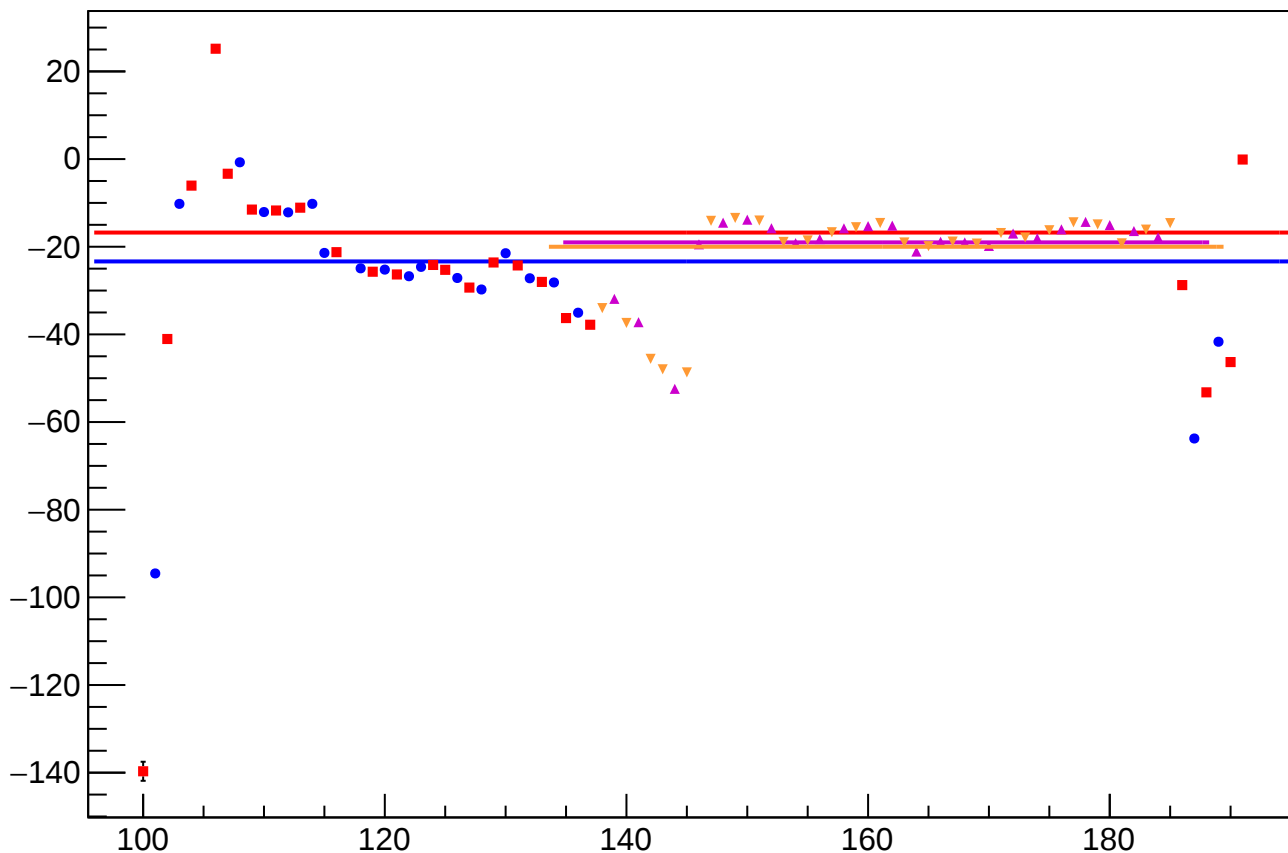
Right: -29.411 ± 0.665 $\chi^2/\text{NDF}: 957.0/41$

In: -20.167 ± 0.464 $\chi^2/\text{NDF}: 833.9/41$

Out: -19.387 ± 0.439 $\chi^2/\text{NDF}: 945.9/47$

All: -19.755 ± 0.319 $\chi^2/\text{NDF}: 1781.3/89$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -23.354 ± 0.057 χ^2/NDF : 64703.4/18

Left Out: -20.006 ± 0.023 χ^2/NDF : 145623.8/24

Right Out: -16.765 ± 0.045 χ^2/NDF : 176906.3/22

Left In: -19.007 ± 0.024 χ^2/NDF : 90873.3/22

Left: -19.514 ± 0.017 χ^2/NDF : 237400.2/47

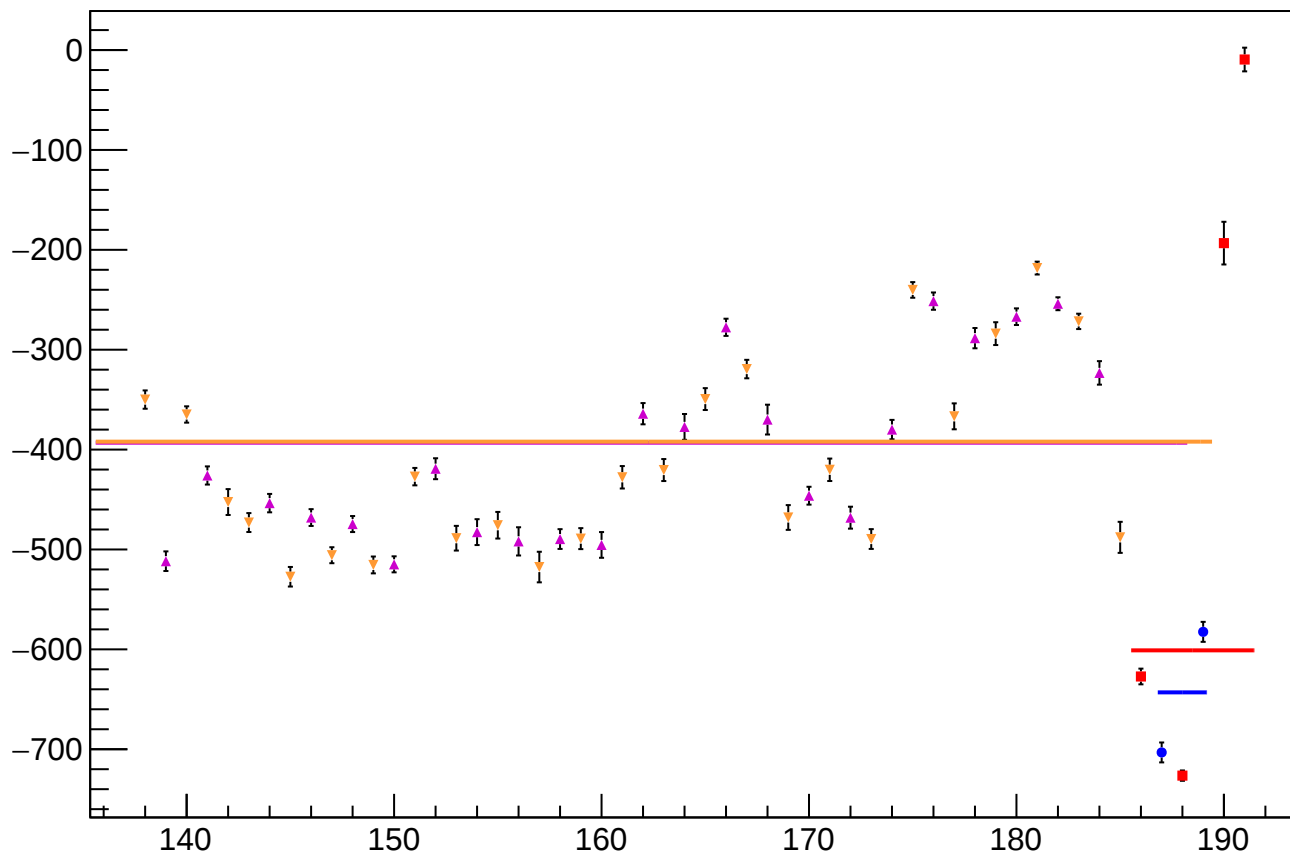
Right: -19.284 ± 0.035 χ^2/NDF : 249959.8/41

In: -19.653 ± 0.022 χ^2/NDF : 160585.3/41

Out: -19.310 ± 0.021 χ^2/NDF : 326680.1/47

All: -19.472 ± 0.015 χ^2/NDF : 487395.4/89

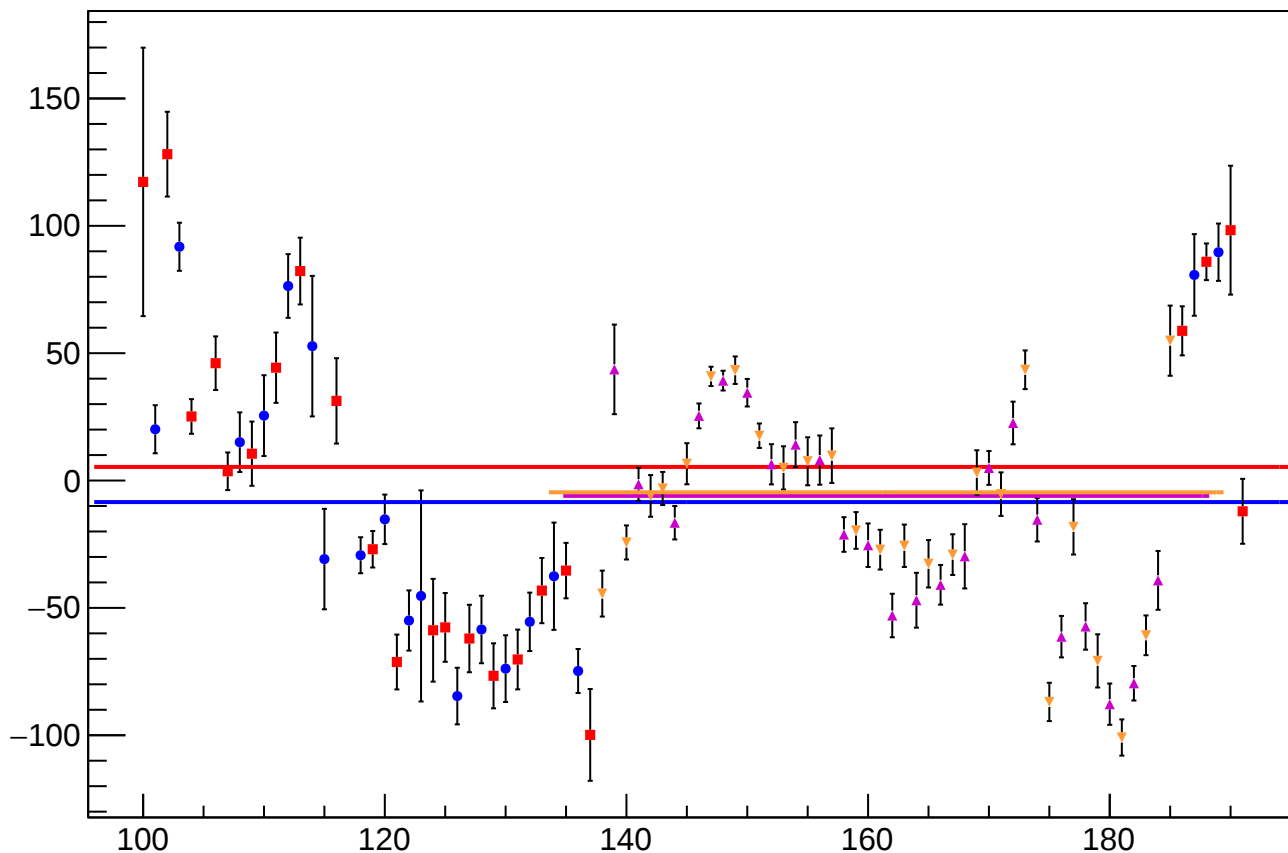
reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -643.077+/-7.059 χ^2/NDF : 73.1/1
 Left Out: -392.054+/-1.967 χ^2/NDF : 2717.2/24
 Right Out: -601.007+/-3.991 χ^2/NDF : 3450.6/3
 Left In: -393.113+/-2.006 χ^2/NDF : 2253.3/22

Left: -392.573+/-1.404 χ^2/NDF : 4970.6/47
 Right: -611.198+/-3.474 χ^2/NDF : 3550.7/5
 In: -411.781+/-1.929 χ^2/NDF : 3486.5/24
 Out: -432.872+/-1.764 χ^2/NDF : 8373.2/28
 All: -423.268+/-1.302 χ^2/NDF : 11924.8/53

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.460 $\pm$ 2.701 χ^2/NDF : 479.1/18

Left Out: -4.624 $\pm$ 1.462 χ^2/NDF : 772.9/24

Right Out: 5.349 $\pm$ 2.329 χ^2/NDF : 572.5/22

Left In: -6.019 $\pm$ 1.516 χ^2/NDF : 654.1/22

Left: -5.296 $\pm$ 1.053 χ^2/NDF : 1427.4/47

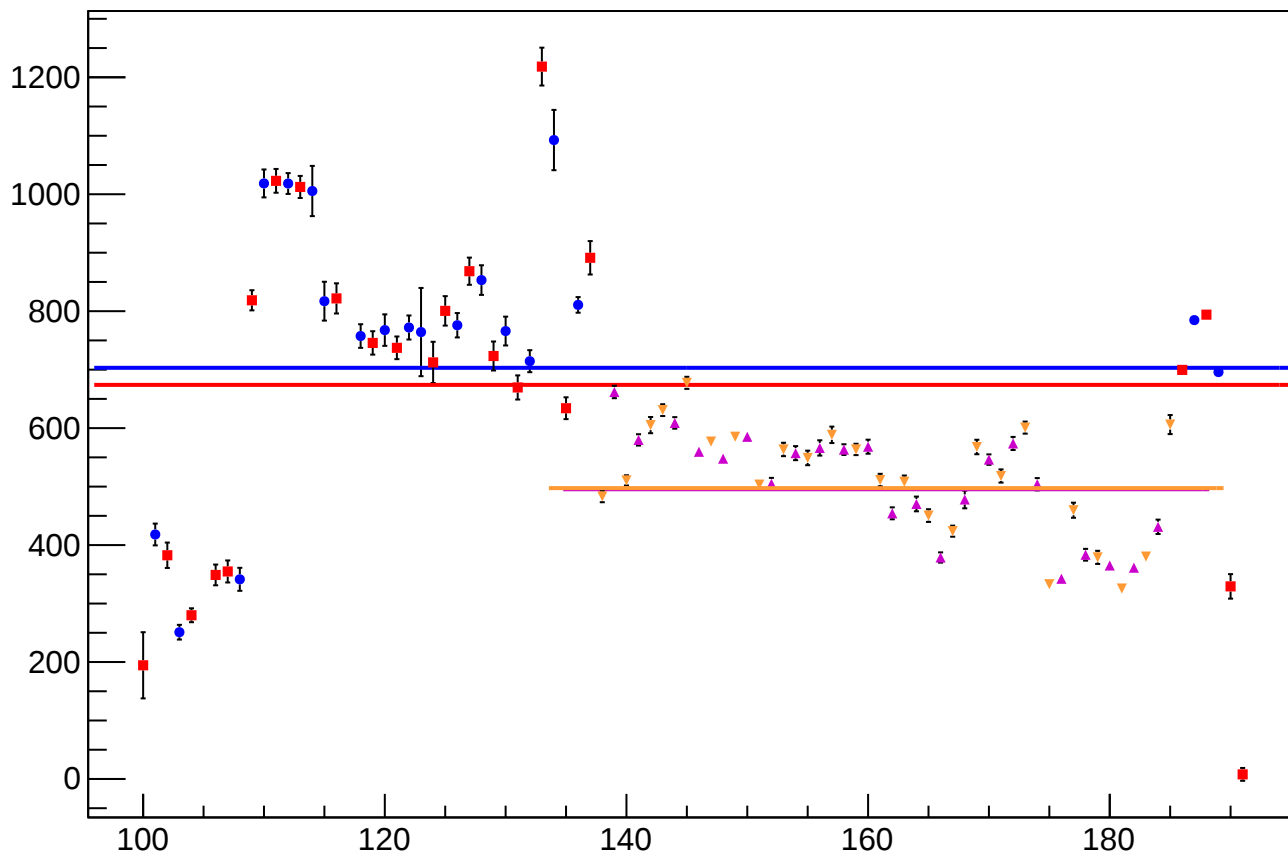
Right: -0.538 $\pm$ 1.764 χ^2/NDF : 1066.6/41

In: -6.603 $\pm$ 1.322 χ^2/NDF : 1133.8/41

Out: -1.804 $\pm$ 1.238 χ^2/NDF : 1358.6/47

All: -4.047 $\pm$ 0.904 χ^2/NDF : 2499.4/89

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 703.162+/-3.828 χ^2/NDF : 2712.6/18

Left Out: 497.381+/-1.966 χ^2/NDF : 2614.6/24

Right Out: 673.967+/-2.693 χ^2/NDF : 7959.2/22

Left In: 495.454+/-1.992 χ^2/NDF : 2253.8/22

Left: 496.430+/-1.399 χ^2/NDF : 4868.9/47

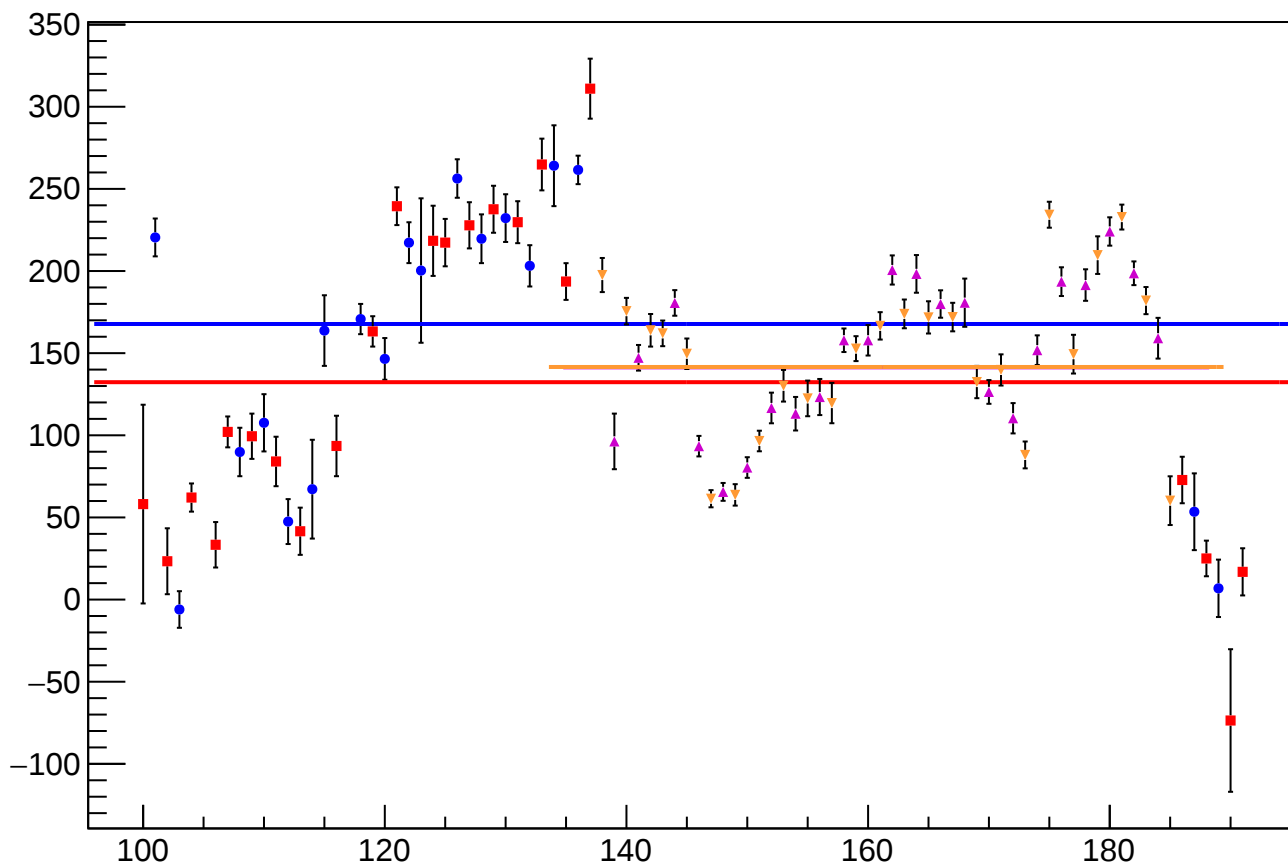
Right: 683.633+/-2.202 χ^2/NDF : 10710.7/41

In: 539.726+/-1.767 χ^2/NDF : 7283.4/41

Out: 558.772+/-1.588 χ^2/NDF : 13378.8/47

All: 550.264+/-1.181 χ^2/NDF : 20726.4/89

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 167.753+/-3.162 χ^2/NDF : 749.9/18

Left Out: 141.588+/-1.698 χ^2/NDF : 959.6/24

Right Out: 132.334+/-2.810 χ^2/NDF : 926.8/22

Left In: 141.360+/-1.748 χ^2/NDF : 741.2/22

Left: 141.478+/-1.218 χ^2/NDF : 1700.8/47

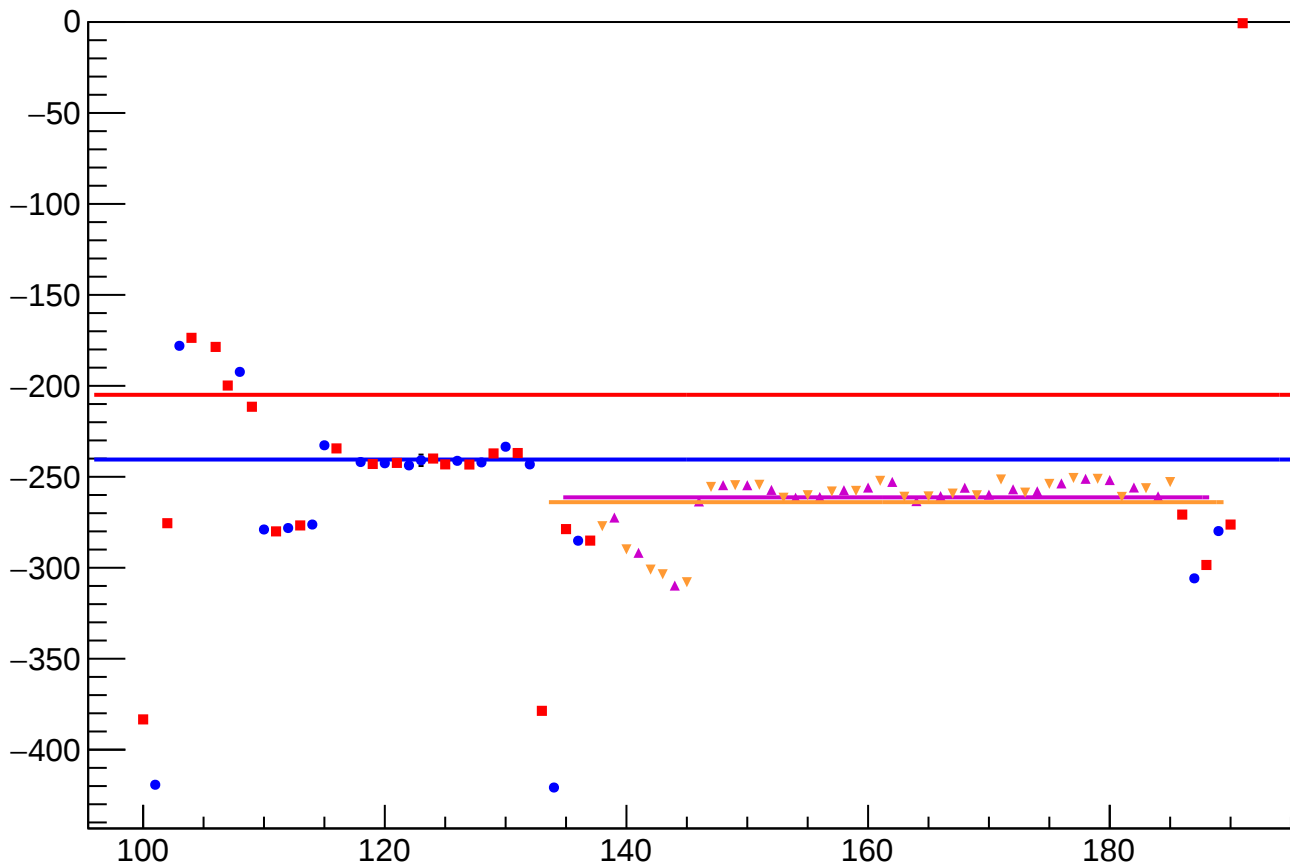
Right: 147.965+/-2.100 χ^2/NDF : 1746.8/41

In: 147.539+/-1.530 χ^2/NDF : 1544.5/41

Out: 139.112+/-1.454 χ^2/NDF : 1894.3/47

All: 143.110+/-1.054 χ^2/NDF : 3454.7/89

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -240.506+/-0.157 χ^2/NDF : 171792.1/18

Left Out: -263.943+/-0.081 χ^2/NDF : 39085.0/24

Right Out: -204.930+/-0.135 χ^2/NDF : 425266.9/22

Left In: -261.286+/-0.082 χ^2/NDF : 23348.4/22

Left: -262.627+/-0.058 χ^2/NDF : 62963.4/47

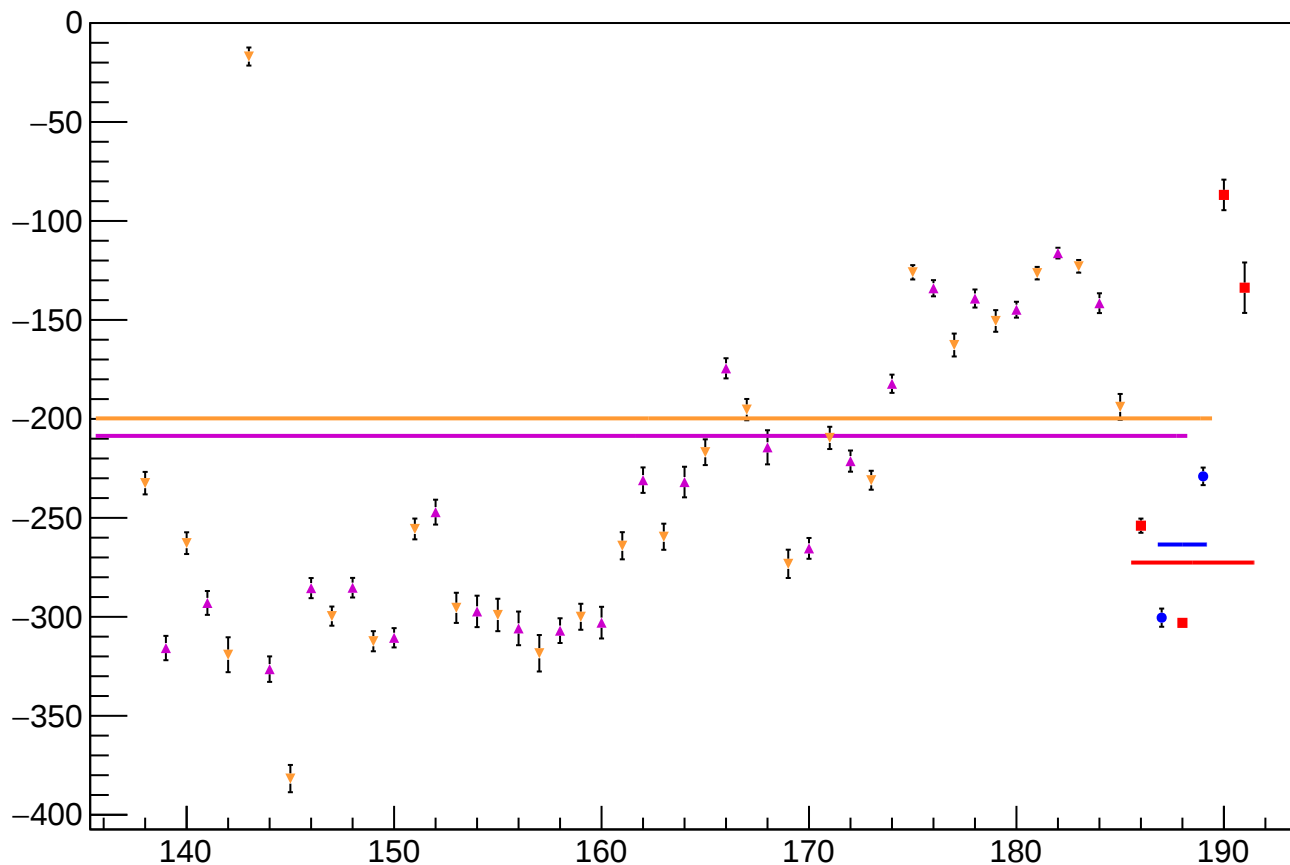
Right: -220.125+/-0.102 χ^2/NDF : 626551.9/41

In: -256.826+/-0.073 χ^2/NDF : 208934.7/41

Out: -248.318+/-0.070 χ^2/NDF : 604041.9/47

All: -252.394+/-0.050 χ^2/NDF : 820121.5/89

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -263.460+/-3.189 χ^2/NDF : 125.2/1

Left Out: -199.741+/-1.061 χ^2/NDF : 6361.5/24

Right Out: -272.577+/-1.895 χ^2/NDF : 890.5/3

Left In: -208.579+/-1.082 χ^2/NDF : 4805.1/22

Left: -204.073+/-0.758 χ^2/NDF : 11200.6/47

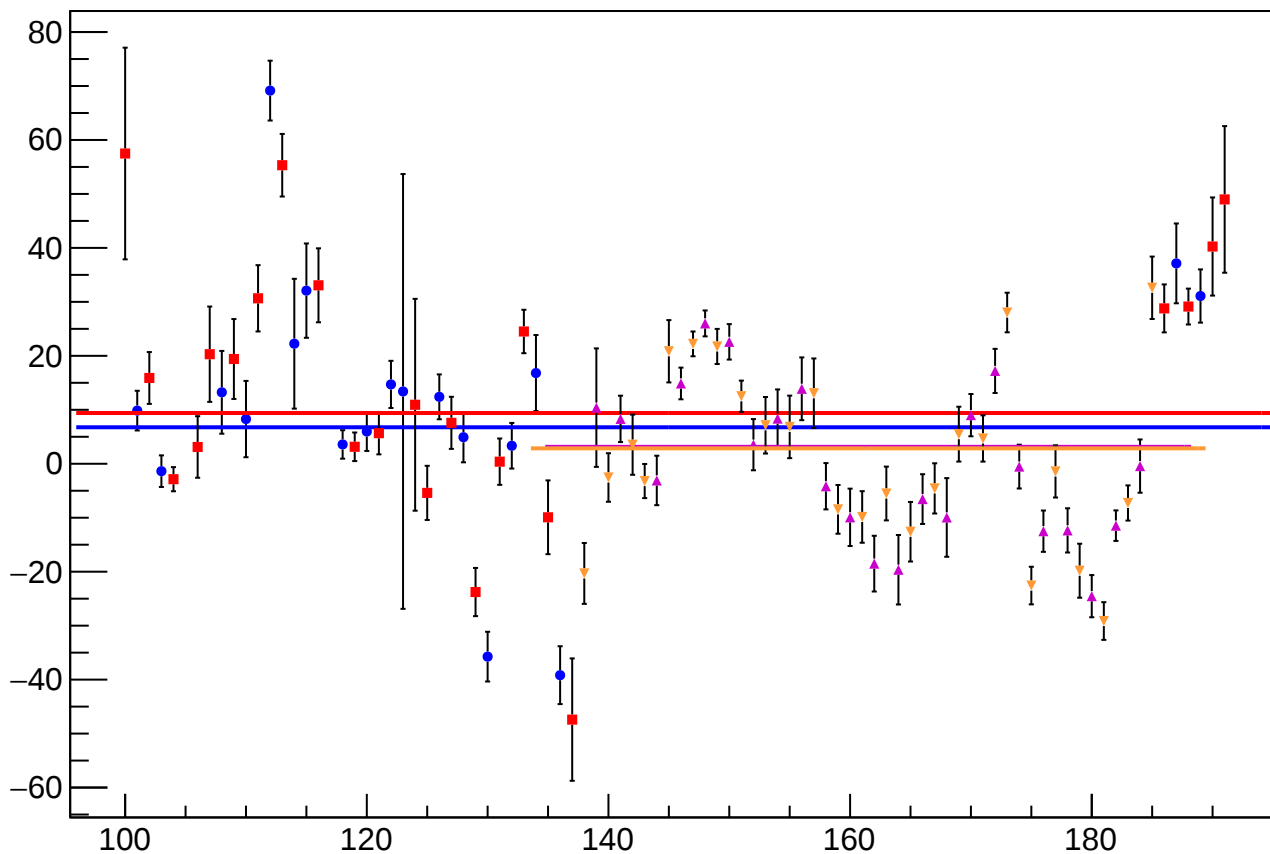
Right: -270.199+/-1.629 χ^2/NDF : 1021.7/5

In: -214.248+/-1.025 χ^2/NDF : 5195.9/24

Out: -217.131+/-0.926 χ^2/NDF : 8376.9/28

All: -215.836+/-0.687 χ^2/NDF : 13577.1/53

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 6.762 ± 1.069 $\chi^2/\text{NDF}: 355.1/18$

Left Out: 2.853 ± 0.820 $\chi^2/\text{NDF}: 419.8/24$

Right Out: 9.403 ± 0.984 $\chi^2/\text{NDF}: 325.5/22$

Left In: 3.136 ± 0.857 $\chi^2/\text{NDF}: 319.8/22$

Left: 2.988 ± 0.592 $\chi^2/\text{NDF}: 739.7/47$

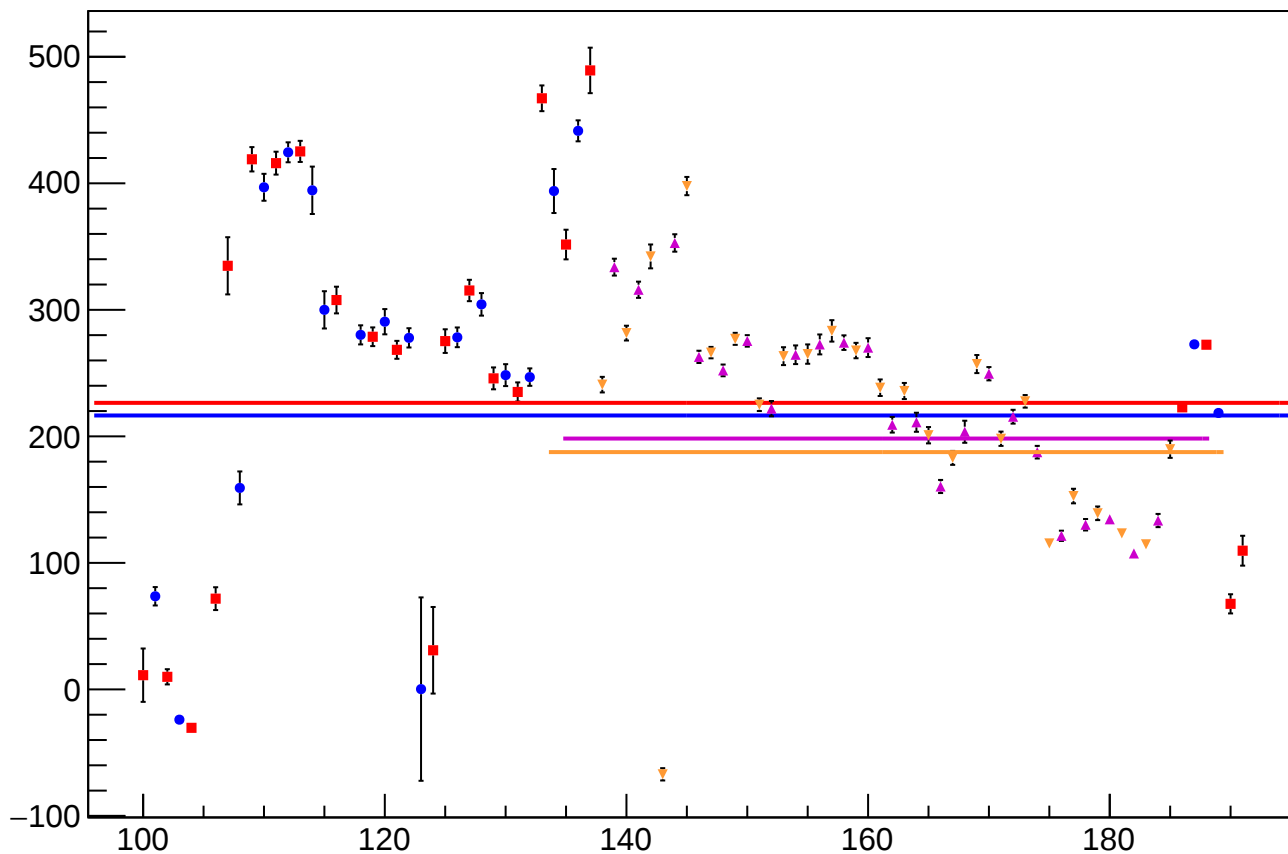
Right: 8.191 ± 0.724 $\chi^2/\text{NDF}: 683.9/41$

In: 4.554 ± 0.668 $\chi^2/\text{NDF}: 681.9/41$

Out: 5.536 ± 0.630 $\chi^2/\text{NDF}: 771.5/47$

All: 5.074 ± 0.458 $\chi^2/\text{NDF}: 1454.5/89$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 216.500 +/- 1.591 χ^2/NDF : 7006.1/18

Left Out: 187.565 +/- 1.066 χ^2/NDF : 7082.0/24

Right Out: 226.485 +/- 1.204 χ^2/NDF : 9634.5/22

Left In: 198.269 +/- 1.082 χ^2/NDF : 4515.8/22

Left: 192.839 +/- 0.759 χ^2/NDF : 11647.5/47

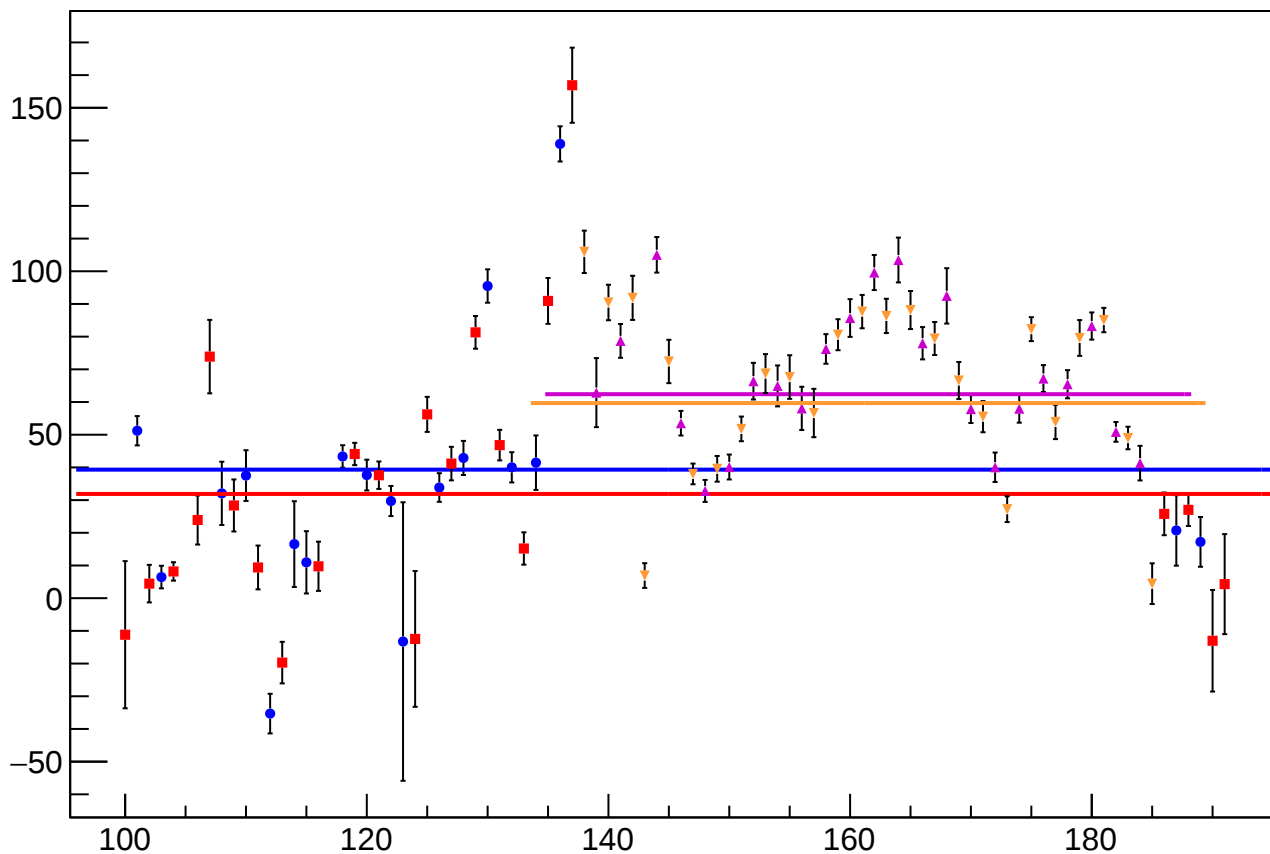
Right: 222.850 +/- 0.960 χ^2/NDF : 16665.7/41

In: 204.032 +/- 0.894 χ^2/NDF : 11611.7/41

Out: 204.671 +/- 0.798 χ^2/NDF : 17302.6/47

All: 204.388 +/- 0.595 χ^2/NDF : 28914.6/89

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 39.319 ± 1.259 $\chi^2/\text{NDF}: 745.8/18$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 31.885 ± 1.187 $\chi^2/\text{NDF}: 563.9/22$

Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

Left: 60.993 ± 0.677 $\chi^2/\text{NDF}: 1167.9/47$

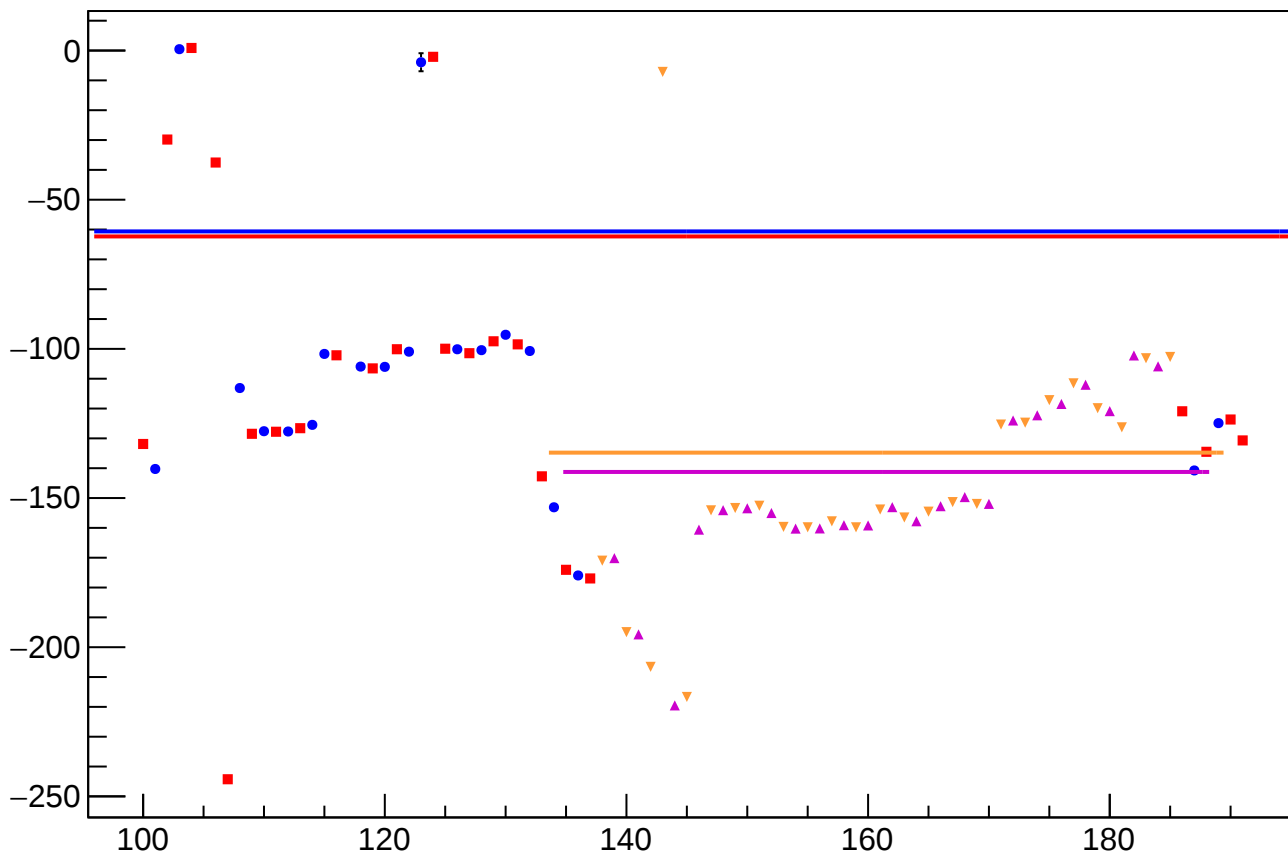
Right: 35.382 ± 0.864 $\chi^2/\text{NDF}: 1328.2/41$

In: 53.756 ± 0.770 $\chi^2/\text{NDF}: 1362.3/41$

Out: 48.954 ± 0.737 $\chi^2/\text{NDF}: 1658.4/47$

All: 51.249 ± 0.533 $\chi^2/\text{NDF}: 3041.1/89$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -60.626 ± 0.061 $\chi^2/\text{NDF}: 1154305.0/18$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

Right Out: -62.311 ± 0.057 $\chi^2/\text{NDF}: 1157577.5/22$

Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

Left: -137.961 ± 0.032 $\chi^2/\text{NDF}: 1162377.9/47$

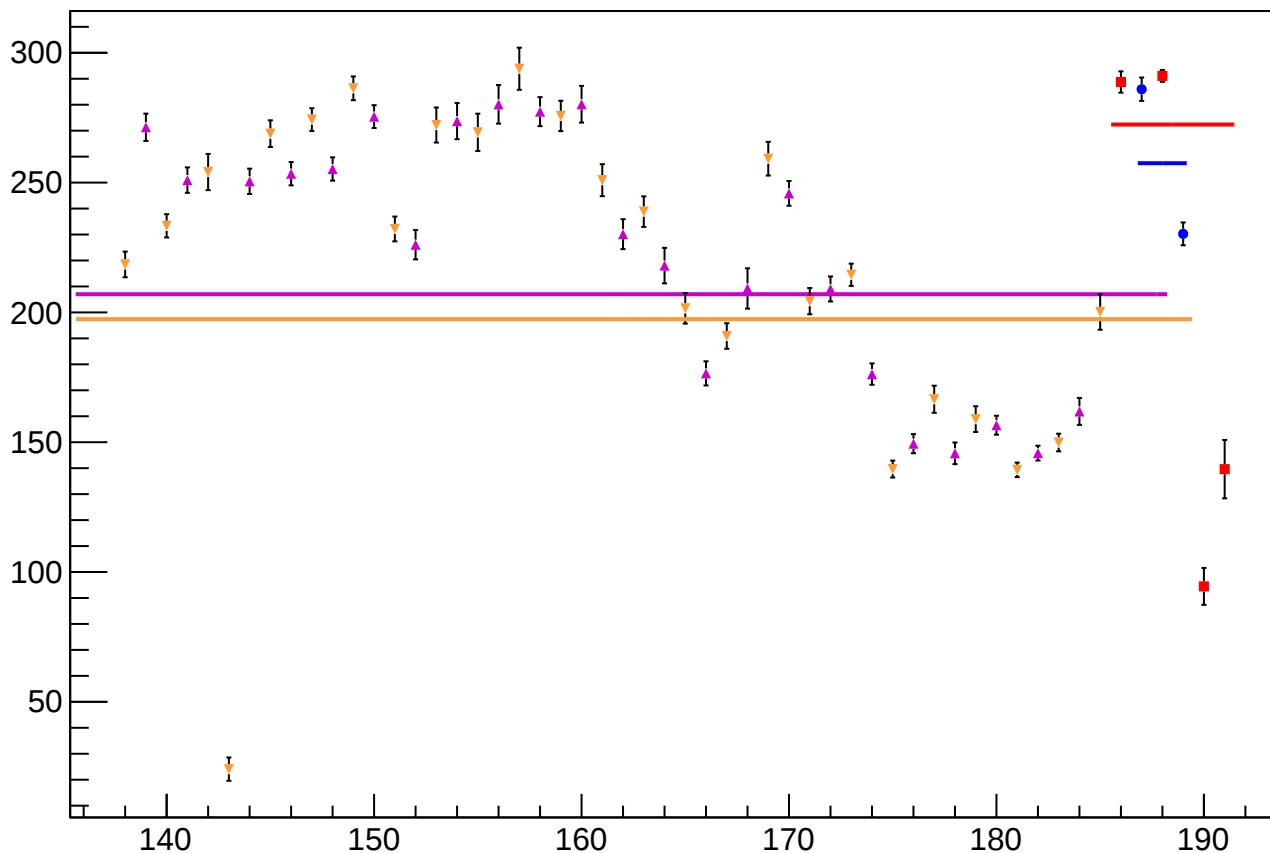
Right: -61.517 ± 0.042 $\chi^2/\text{NDF}: 2312291.9/41$

In: -112.340 ± 0.036 $\chi^2/\text{NDF}: 2638109.0/41$

Out: -107.445 ± 0.035 $\chi^2/\text{NDF}: 2962560.4/47$

All: -109.813 ± 0.025 $\chi^2/\text{NDF}: 5610071.8/89$

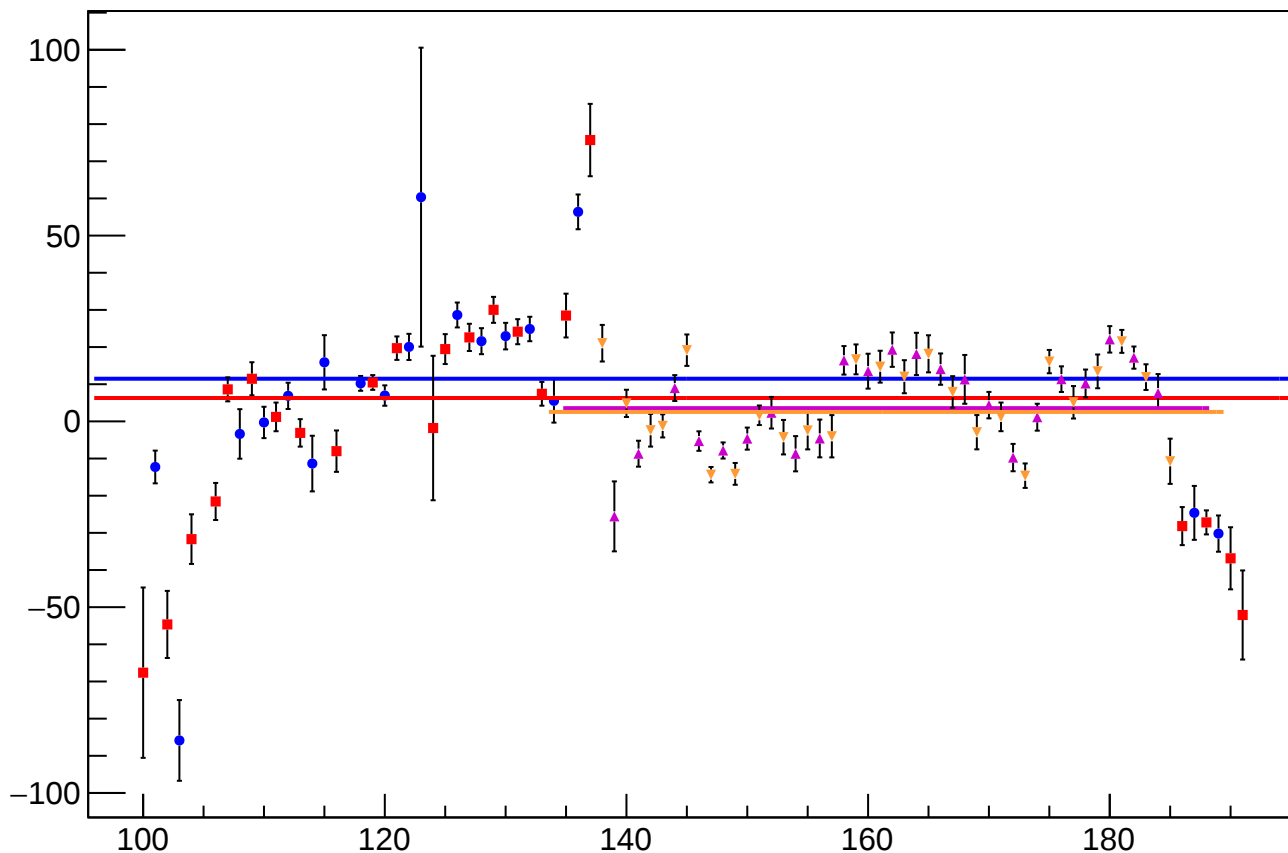
reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 257.466 ± 3.144 $\chi^2/\text{NDF}: 78.5/1$
 Left Out: 197.408 ± 0.963 $\chi^2/\text{NDF}: 4384.2/24$
 Right Out: 272.356 ± 1.892 $\chi^2/\text{NDF}: 850.4/3$
 Left In: 207.014 ± 0.990 $\chi^2/\text{NDF}: 2611.5/22$

Left: 202.077 ± 0.690 $\chi^2/\text{NDF}: 7044.1/47$
 Right: 268.398 ± 1.621 $\chi^2/\text{NDF}: 945.3/5$
 In: 211.568 ± 0.944 $\chi^2/\text{NDF}: 2924.3/24$
 Out: 212.830 ± 0.858 $\chi^2/\text{NDF}: 6481.2/28$
 All: 212.259 ± 0.635 $\chi^2/\text{NDF}: 9406.5/53$

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 11.481 ± 0.914 $\chi^2/\text{NDF}: 396.2/18$

Left Out: 2.548 ± 0.741 $\chi^2/\text{NDF}: 275.4/24$

Right Out: 6.291 ± 0.861 $\chi^2/\text{NDF}: 531.4/22$

Left In: 3.559 ± 0.774 $\chi^2/\text{NDF}: 192.0/22$

Left: 3.031 ± 0.535 $\chi^2/\text{NDF}: 468.3/47$

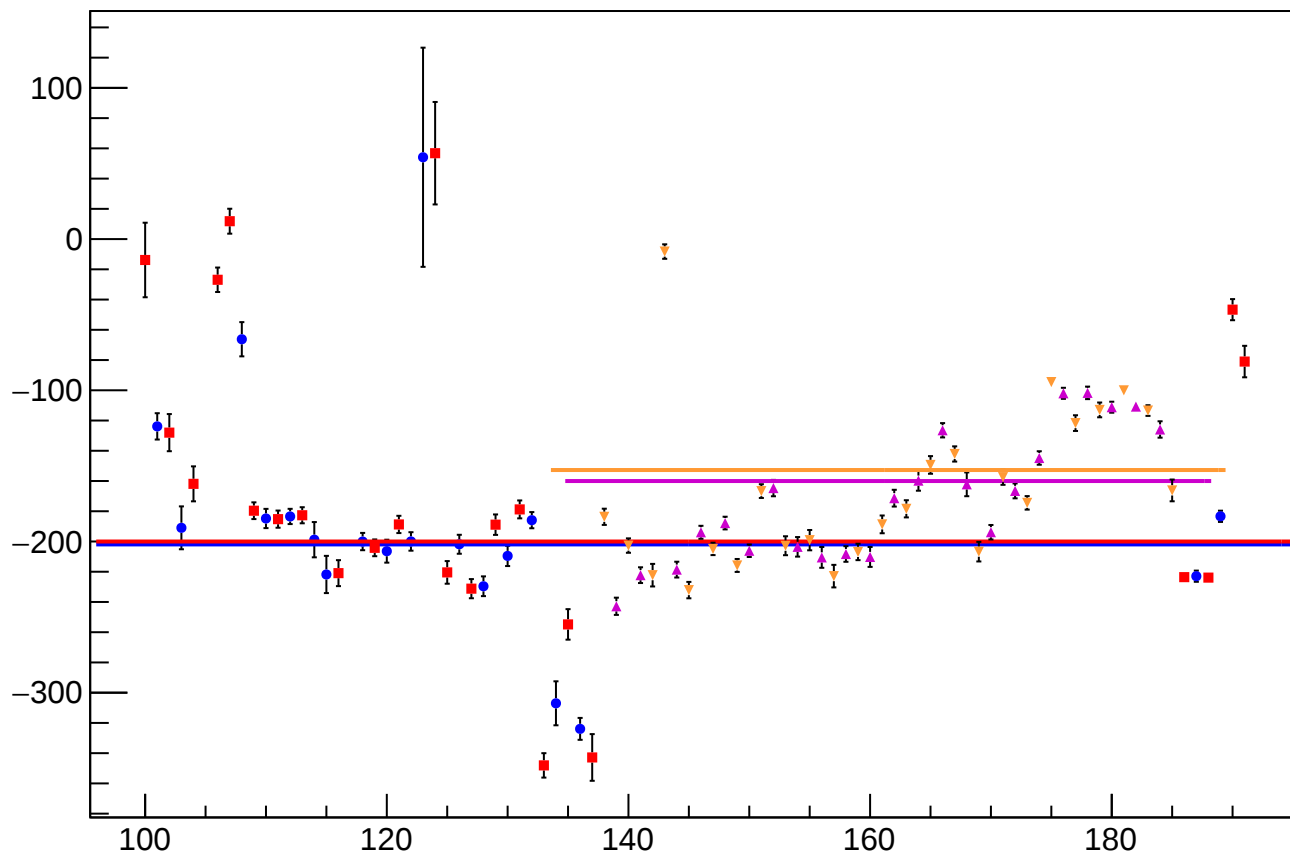
Right: 8.730 ± 0.626 $\chi^2/\text{NDF}: 944.7/41$

In: 6.868 ± 0.591 $\chi^2/\text{NDF}: 632.0/41$

Out: 4.141 ± 0.561 $\chi^2/\text{NDF}: 817.7/47$

All: 5.436 ± 0.407 $\chi^2/\text{NDF}: 1460.9/89$

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.937 ± 1.484 $\chi^2/\text{NDF}: 682.4/18$

Left Out: -152.738 ± 0.967 $\chi^2/\text{NDF}: 3077.8/24$

Right Out: -200.011 ± 1.144 $\chi^2/\text{NDF}: 2651.5/22$

Left In: -160.021 ± 0.989 $\chi^2/\text{NDF}: 2024.4/22$

Left: -156.299 ± 0.691 $\chi^2/\text{NDF}: 5129.9/47$

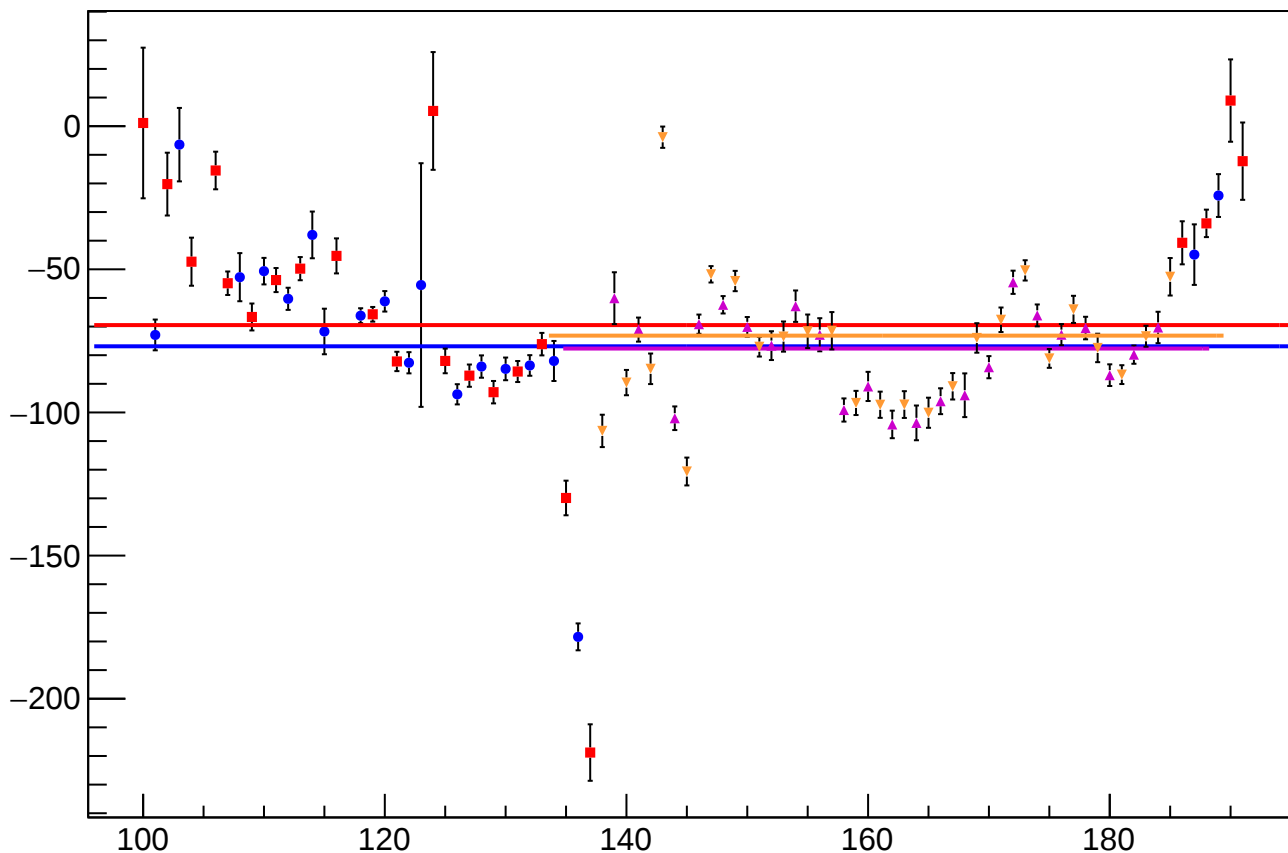
Right: -200.730 ± 0.906 $\chi^2/\text{NDF}: 3334.9/41$

In: -172.912 ± 0.823 $\chi^2/\text{NDF}: 3259.5/41$

Out: -172.432 ± 0.739 $\chi^2/\text{NDF}: 6724.9/47$

All: -172.646 ± 0.550 $\chi^2/\text{NDF}: 9984.6/89$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -76.892 ± 1.067 $\chi^2/\text{NDF}: 710.4/18$

Left Out: -73.165 ± 0.851 $\chi^2/\text{NDF}: 788.6/24$

Right Out: -69.484 ± 1.014 $\chi^2/\text{NDF}: 731.0/22$

Left In: -77.678 ± 0.883 $\chi^2/\text{NDF}: 248.3/22$

Left: -75.339 ± 0.613 $\chi^2/\text{NDF}: 1050.4/47$

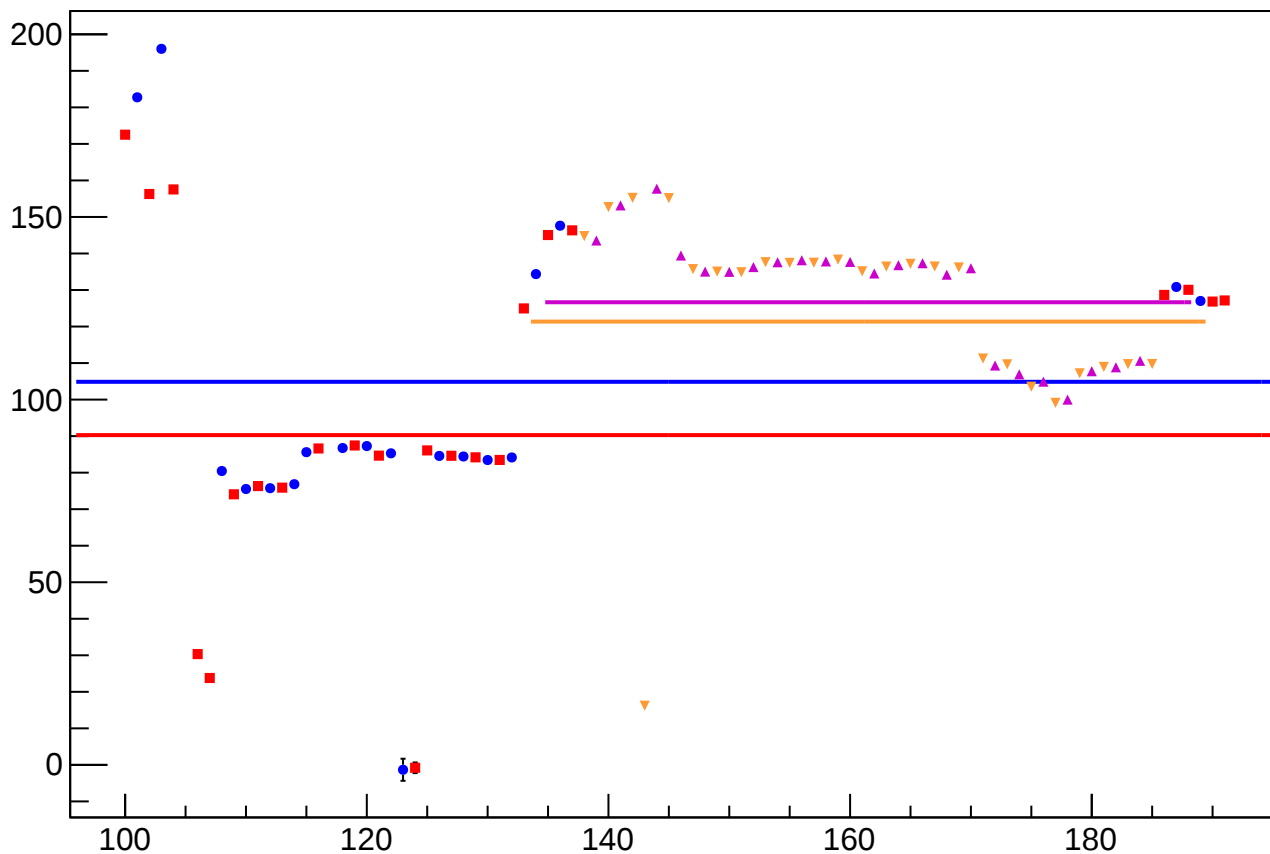
Right: -73.000 ± 0.735 $\chi^2/\text{NDF}: 1466.7/41$

In: -77.358 ± 0.680 $\chi^2/\text{NDF}: 958.9/41$

Out: -71.644 ± 0.652 $\chi^2/\text{NDF}: 1527.3/47$

All: -74.380 ± 0.471 $\chi^2/\text{NDF}: 2523.0/89$

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 104.873+/-0.069 χ^2/NDF : 279134.2/18

Left Out: 121.356+/-0.040 χ^2/NDF : 481977.3/24

Right Out: 90.278+/-0.060 χ^2/NDF : 478733.3/22

Left In: 126.653+/-0.041 χ^2/NDF : 163046.1/22

Left: 123.954+/-0.029 χ^2/NDF : 653496.6/47

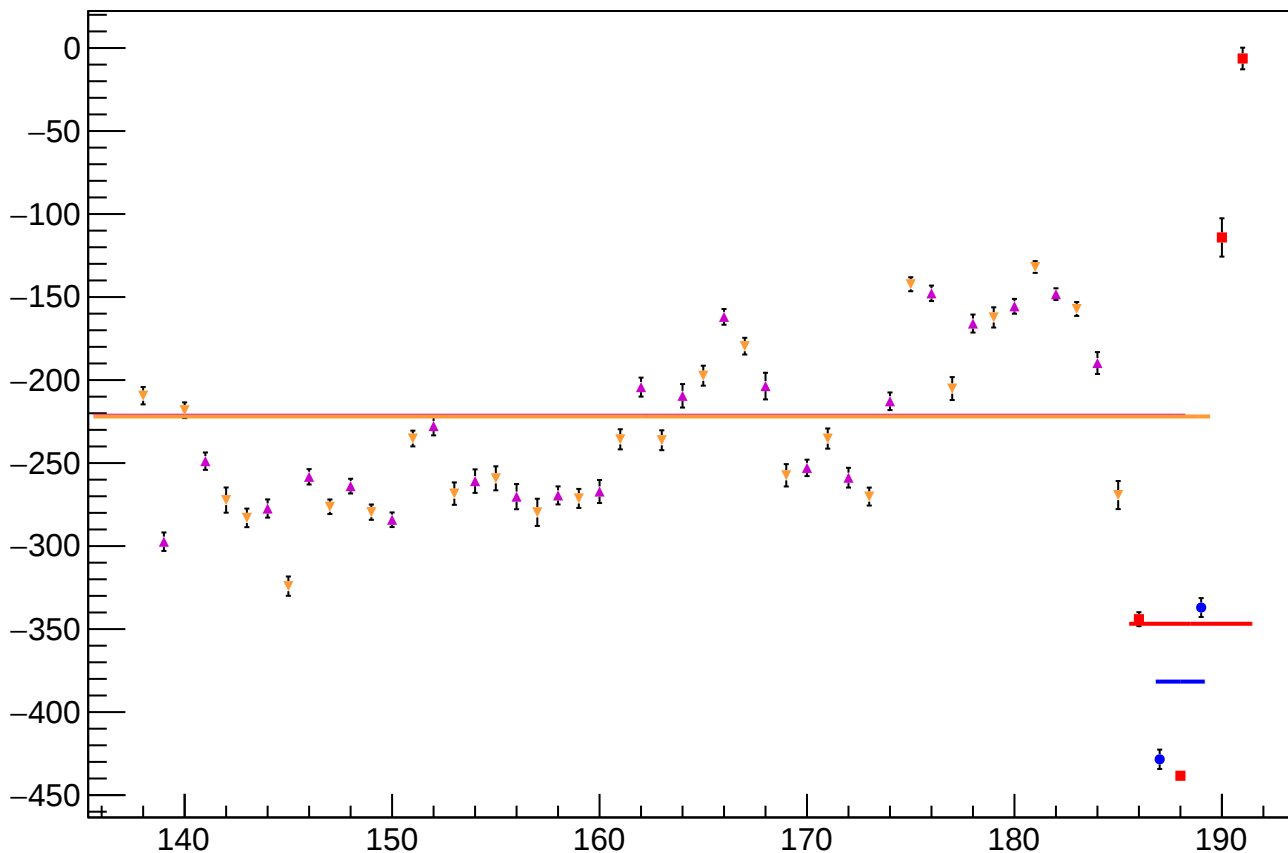
Right: 96.549+/-0.045 χ^2/NDF : 783384.3/41

In: 120.954+/-0.035 χ^2/NDF : 515748.3/41

Out: 111.668+/-0.033 χ^2/NDF : 1146049.0/47

All: 116.060+/-0.024 χ^2/NDF : 1698271.8/89

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -381.628 ± 4.074 χ^2/NDF : 125.8/1

Left Out: -221.934 ± 1.084 χ^2/NDF : 2578.4/24

Right Out: -346.805 ± 2.259 χ^2/NDF : 4045.5/3

Left In: -221.483 ± 1.102 χ^2/NDF : 2149.8/22

Left: -221.712 ± 0.773 χ^2/NDF : 4728.2/47

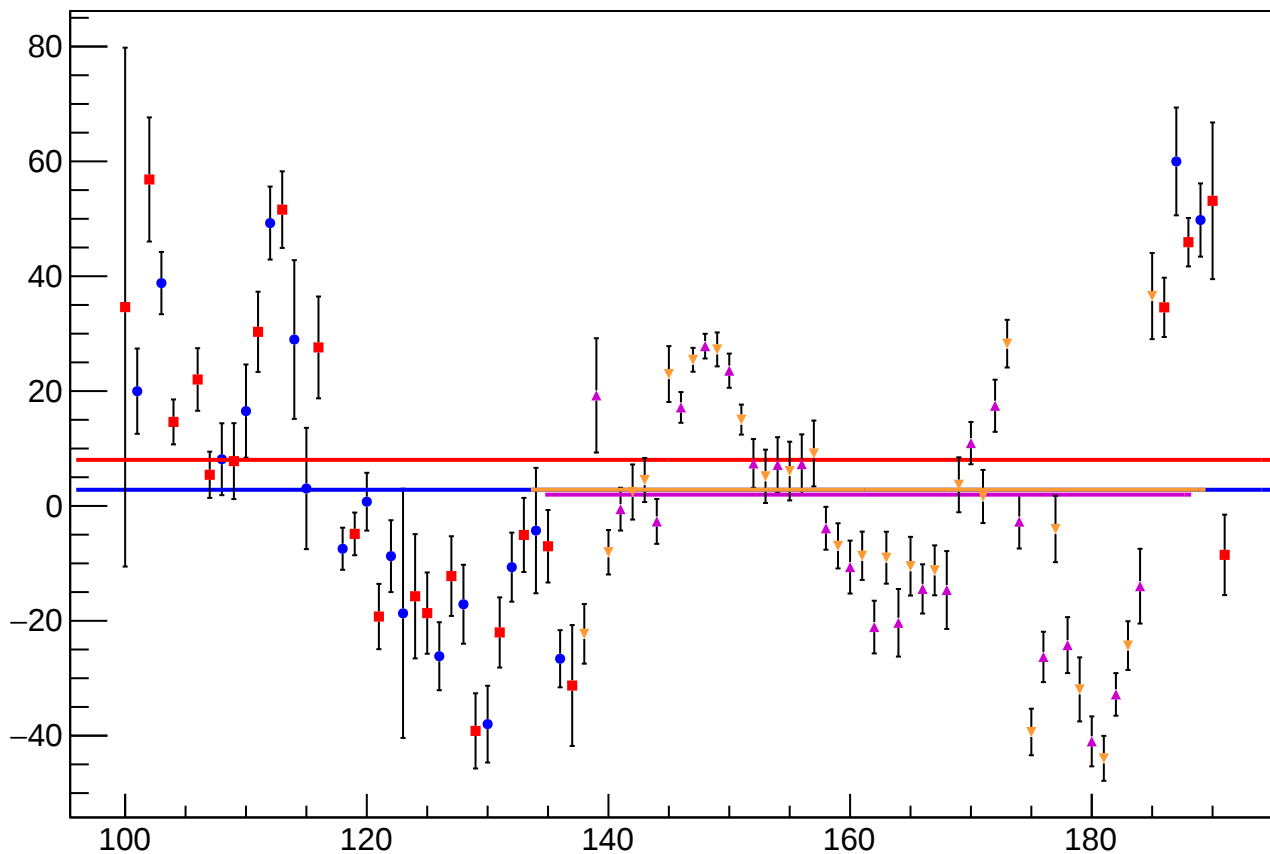
Right: -354.991 ± 1.975 χ^2/NDF : 4227.2/5

In: -232.405 ± 1.064 χ^2/NDF : 3715.3/24

Out: -245.328 ± 0.978 χ^2/NDF : 9107.9/28

All: -239.412 ± 0.720 χ^2/NDF : 12903.2/53

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.817 ± 1.478 $\chi^2/\text{NDF}: 323.9/18$

Left Out: 2.832 ± 0.807 $\chi^2/\text{NDF}: 686.9/24$

Right Out: 8.027 ± 1.261 $\chi^2/\text{NDF}: 374.7/22$

Left In: 1.969 ± 0.835 $\chi^2/\text{NDF}: 589.1/22$

Left: 2.415 ± 0.580 $\chi^2/\text{NDF}: 1276.5/47$

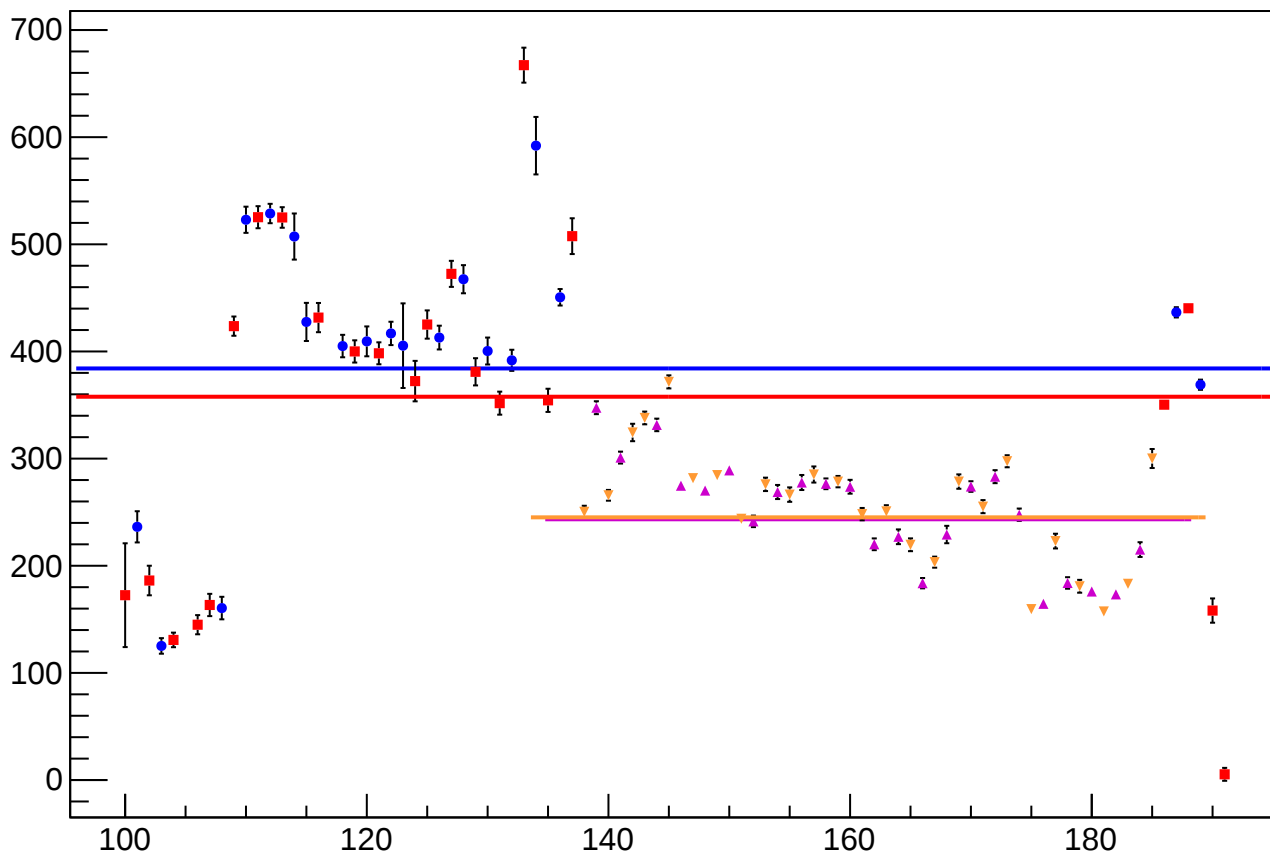
Right: 5.832 ± 0.959 $\chi^2/\text{NDF}: 705.7/41$

In: 2.174 ± 0.727 $\chi^2/\text{NDF}: 913.2/41$

Out: 4.342 ± 0.680 $\chi^2/\text{NDF}: 1073.6/47$

All: 3.330 ± 0.496 $\chi^2/\text{NDF}: 1991.6/89$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 384.145 $\pm$ 2.147 χ^2 /NDF: 2579.9/18

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF:2597.4/24

Right Out: 357.754 $\pm$ 1.501 χ^2 /NDF: 8309.0/22

Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

Left: 244.282 $\pm$ 0.769 χ^2 /NDF: 4835.5/47

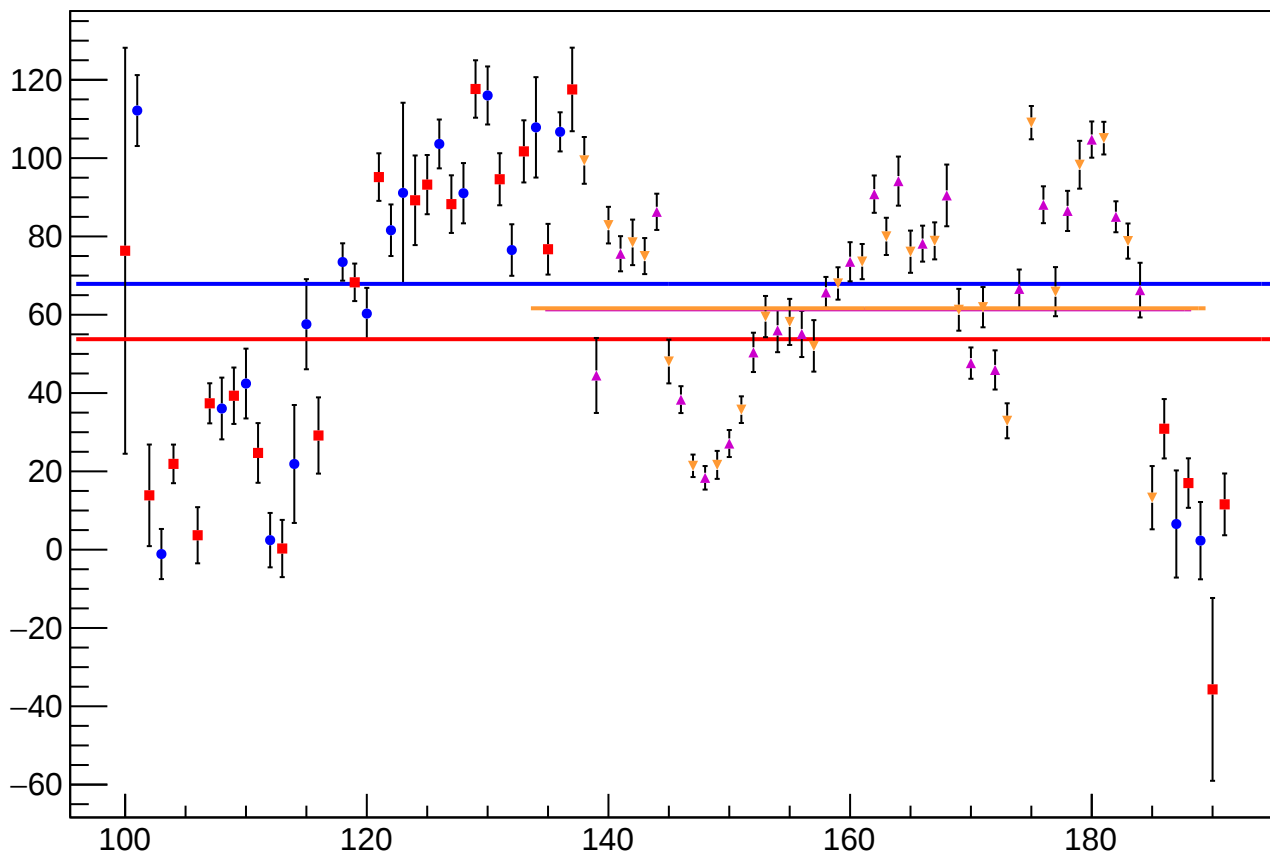
Right: 366.416 $\pm$ 1.230 χ^2 /NDF: 10990.4/41

In: 272.369 $\pm$ 0.974 χ^2 /NDF:8230.4/41

Out: 283.686 $\pm$ 0.878 χ^2 /NDF:14608.9/47

All: 278.617 $\pm$ 0.652 χ^2 /NDF: 22913.8/89

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 67.883+/-1.726 χ^2/NDF : 491.4/18

Left Out: 61.647+/-0.936 χ^2/NDF : 871.5/24

Right Out: 53.758+/-1.516 χ^2/NDF : 588.0/22

Left In: 61.375+/-0.961 χ^2/NDF : 699.7/22

Left: 61.515+/-0.671 χ^2/NDF : 1571.3/47

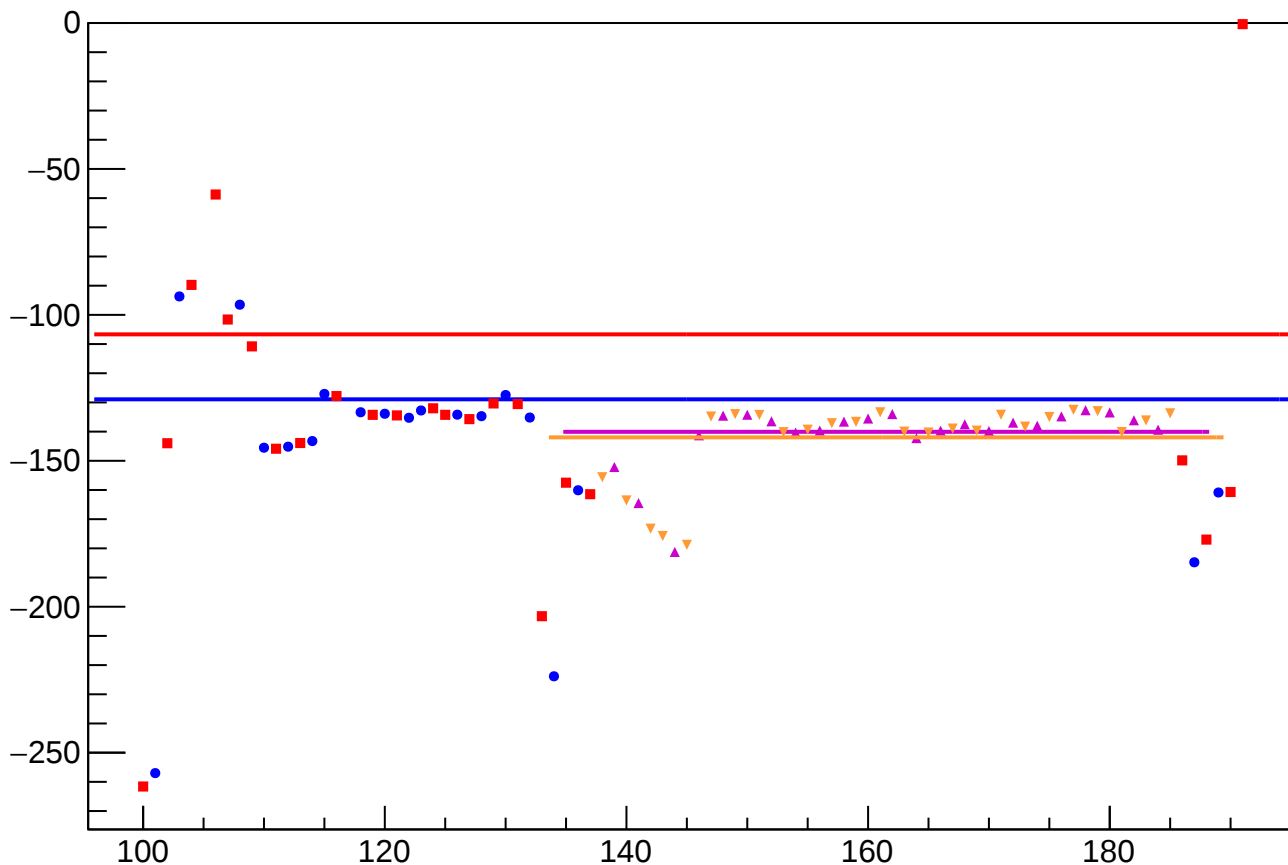
Right: 59.908+/-1.139 χ^2/NDF : 1117.2/41

In: 62.915+/-0.840 χ^2/NDF : 1202.0/41

Out: 59.469+/-0.797 χ^2/NDF : 1479.1/47

All: 61.101+/-0.578 χ^2/NDF : 2689.9/89

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -128.934+/-0.088 χ^2 /NDF: 177196.3/18

Left Out: -141.969+/-0.045 χ^2 /NDF: 80252.6/24

Right Out: -106.675+/-0.074 χ^2 /NDF: 478747.3/22

Left In: -140.068+/-0.045 χ^2 /NDF: 48030.7/22

Left: -141.025+/-0.032 χ^2 /NDF: 129181.1/47

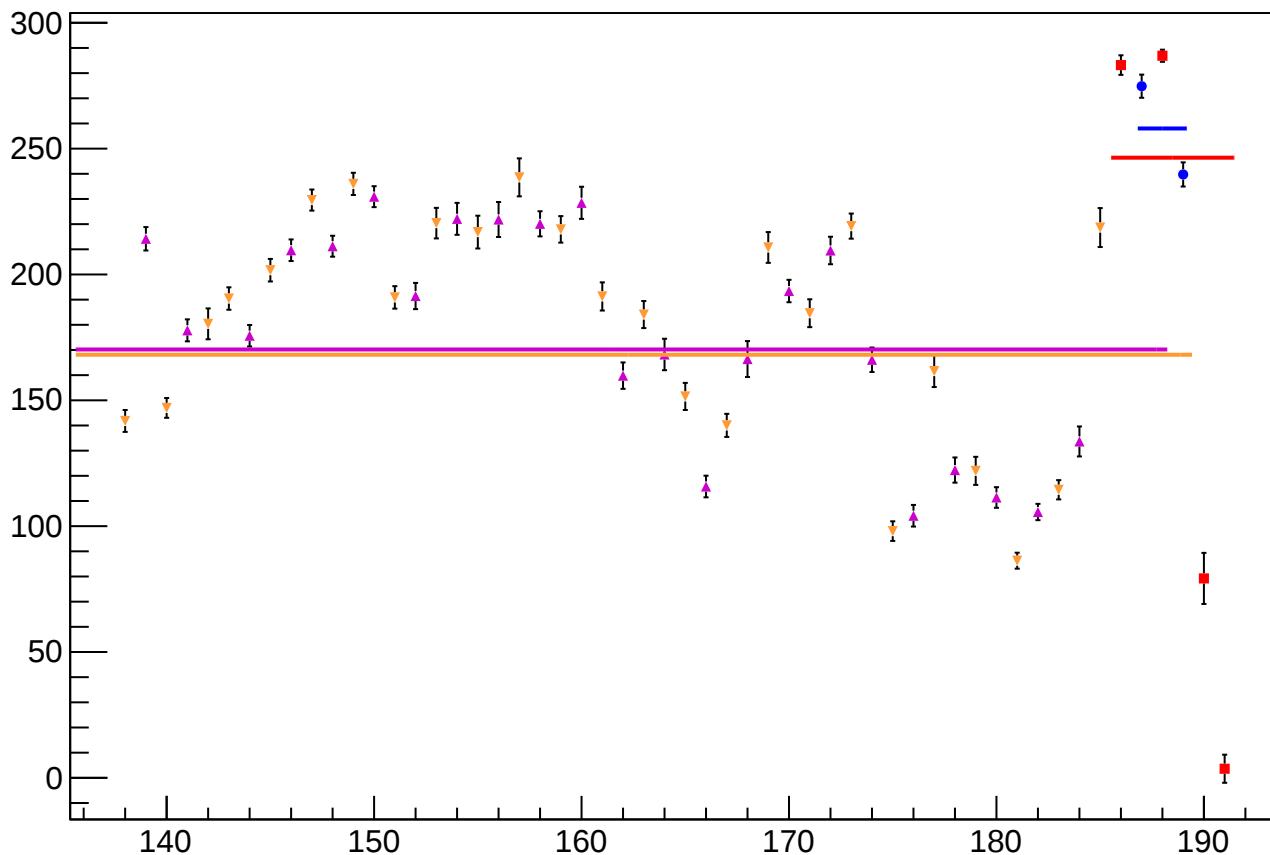
Right: -115.987+/-0.057 χ^2 /NDF: 693395.1/41

In: -137.748+/-0.040 χ^2 /NDF: 237983.0/41

Out: -132.606+/-0.038 χ^2 /NDF: 724375.5/47

All: -135.064+/-0.028 χ^2 /NDF: 970967.1/89

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 258.011 $\pm$ 3.322 χ^2 /NDF: 27.8/1

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF:2468.8/24

Right Out: 246.407 $\pm$ 1.889 χ^2 /NDF: 2533.5/3

Left In: 170.198 $\pm$ 0.995 χ^2 /NDF:2024.5/22

Left: 169.125 $\pm$ 0.695 χ^2 /NDF: 4495.5/47

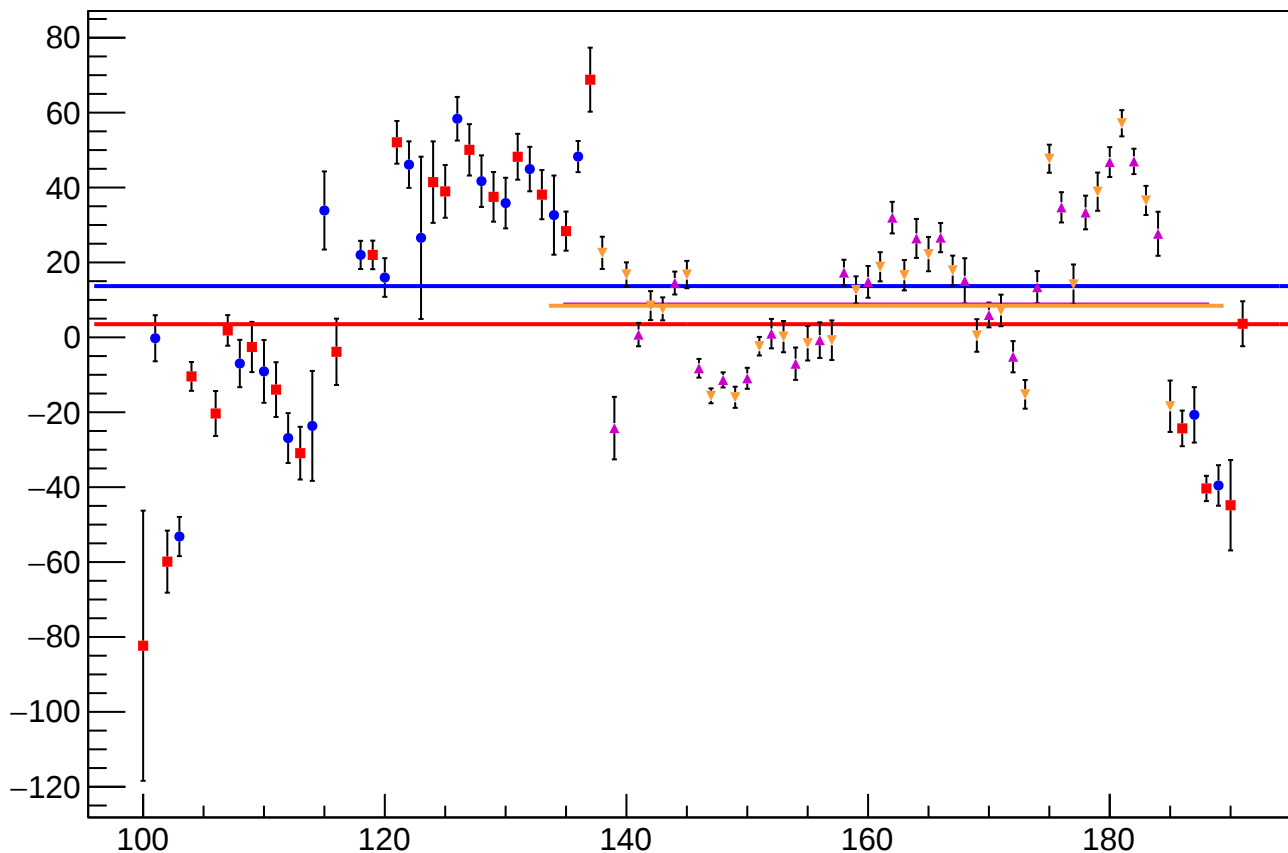
Right: 249.244 $\pm$ 1.642 χ^2 /NDF: 2570.5/5

In: 177.433 $\pm$ 0.953 χ^2 /NDF:2693.6/24

Out: 184.444 $\pm$ 0.863 χ^2 /NDF:6361.2/28

All: 181.287 $\pm$ 0.640 χ^2 /NDF: 9084.5/53

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.684 $\pm$ 1.421 χ^2 /NDF: 571.3/18

Left Out: 8.436 $\pm$ 0.728 χ^2 /NDF: 752.0/24

Right Out: 3.517 $\pm$ 1.210 χ^2 /NDF: 712.0/22

Left In: 8.769 $\pm$ 0.758 χ^2 /NDF: 626.8/22

Left: 8.596 $\pm$ 0.525 χ^2 /NDF: 1379.0/47

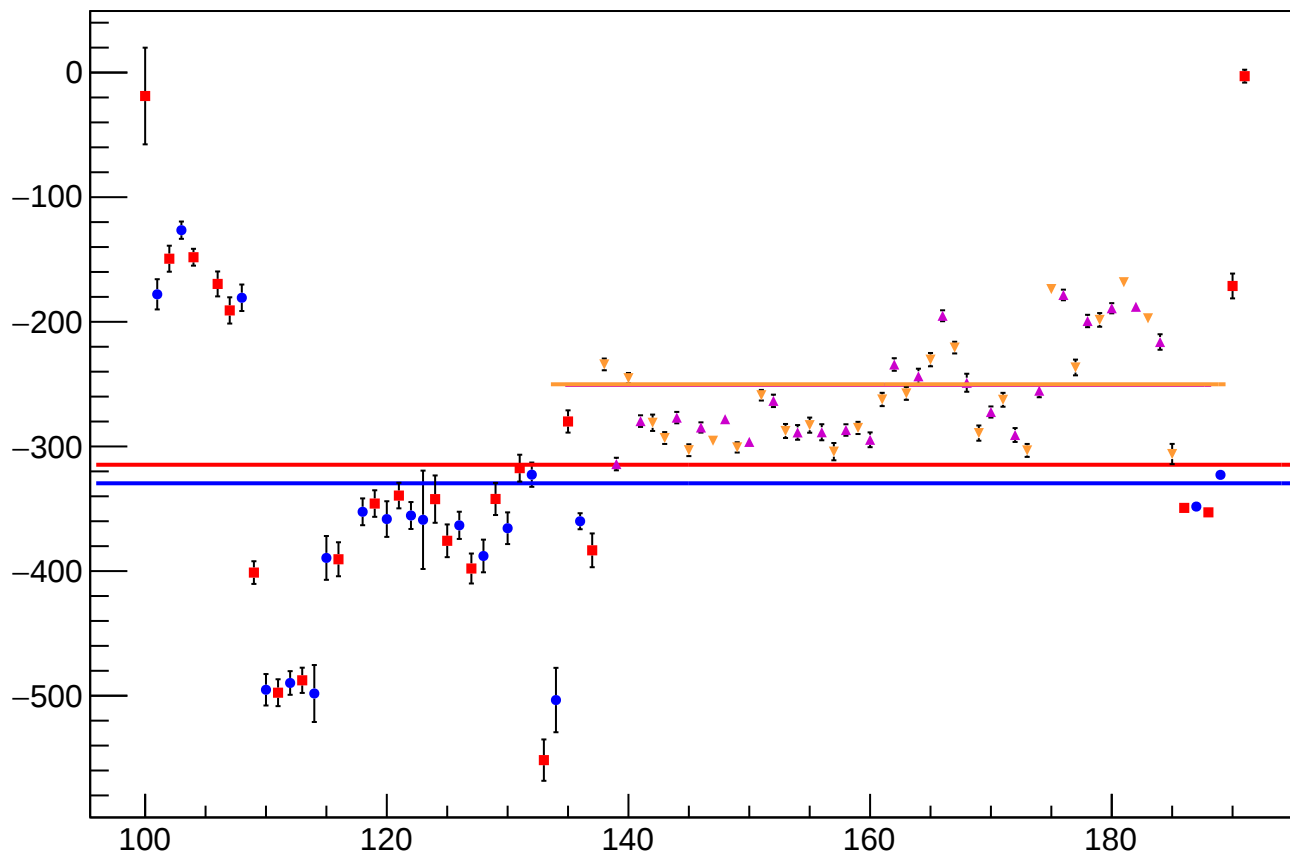
Right: 7.788 $\pm$ 0.921 χ^2 /NDF: 1313.0/41

In: 9.858 $\pm$ 0.669 χ^2 /NDF: 1207.5/41

Out: 7.128 $\pm$ 0.624 χ^2 /NDF: 1476.2/47

All: 8.397 $\pm$ 0.456 χ^2 /NDF: 2692.6/89

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -329.558 ± 1.918 χ^2/NDF : 1879.7/18

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -314.676 ± 1.318 χ^2/NDF : 6657.7/22

Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

Left: -250.369 ± 0.694 χ^2/NDF : 4184.2/47

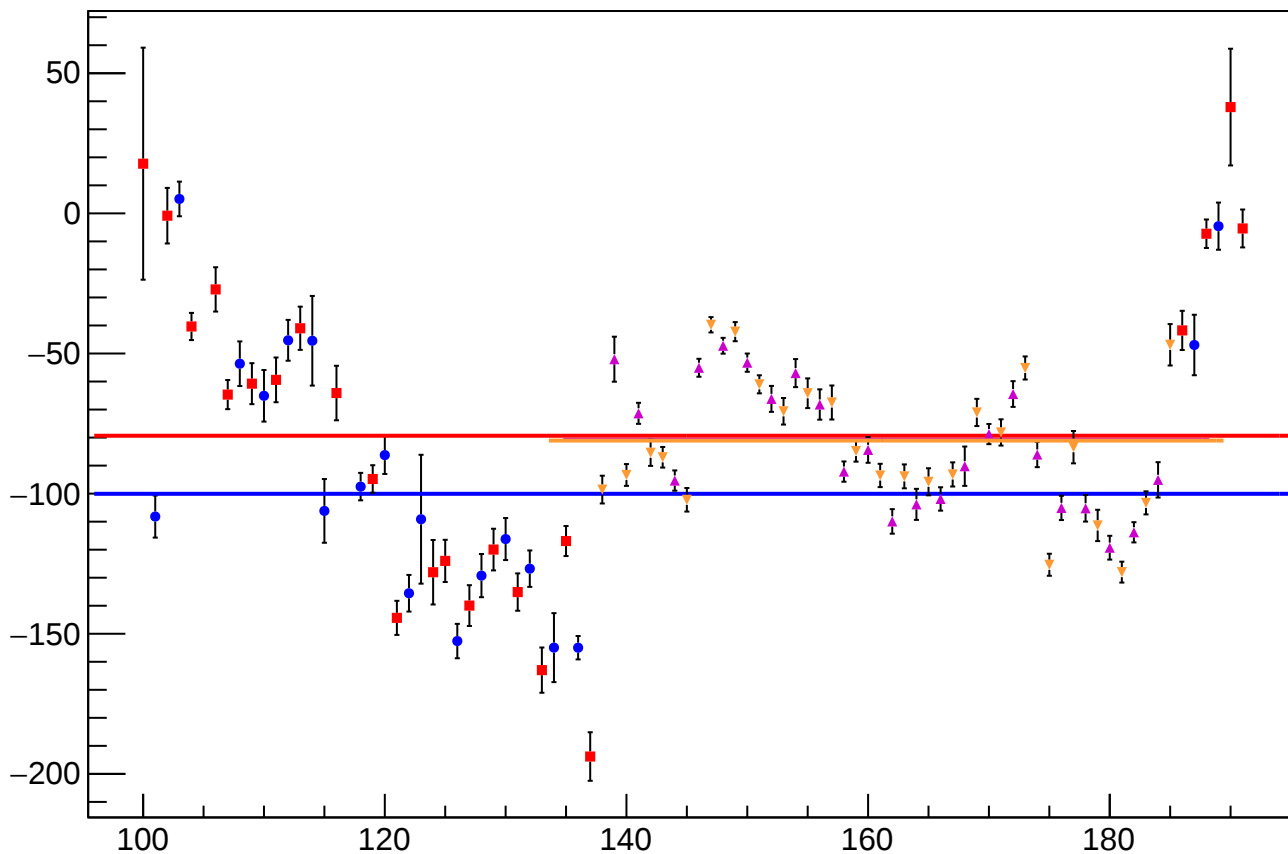
Right: -319.450 ± 1.086 χ^2/NDF : 8578.3/41

In: -267.240 ± 0.880 χ^2/NDF : 5153.6/41

Out: -272.865 ± 0.782 χ^2/NDF : 10457.9/47

All: -270.381 ± 0.585 χ^2/NDF : 15634.3/89

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.064+/-1.661 χ^2/NDF : 897.3/18

Left Out: -81.057+/-0.843 χ^2/NDF : 913.0/24

Right Out: -79.343+/-1.462 χ^2/NDF : 1283.3/22

Left In: -80.834+/-0.872 χ^2/NDF : 693.1/22

Left: -80.949+/-0.606 χ^2/NDF : 1606.2/47

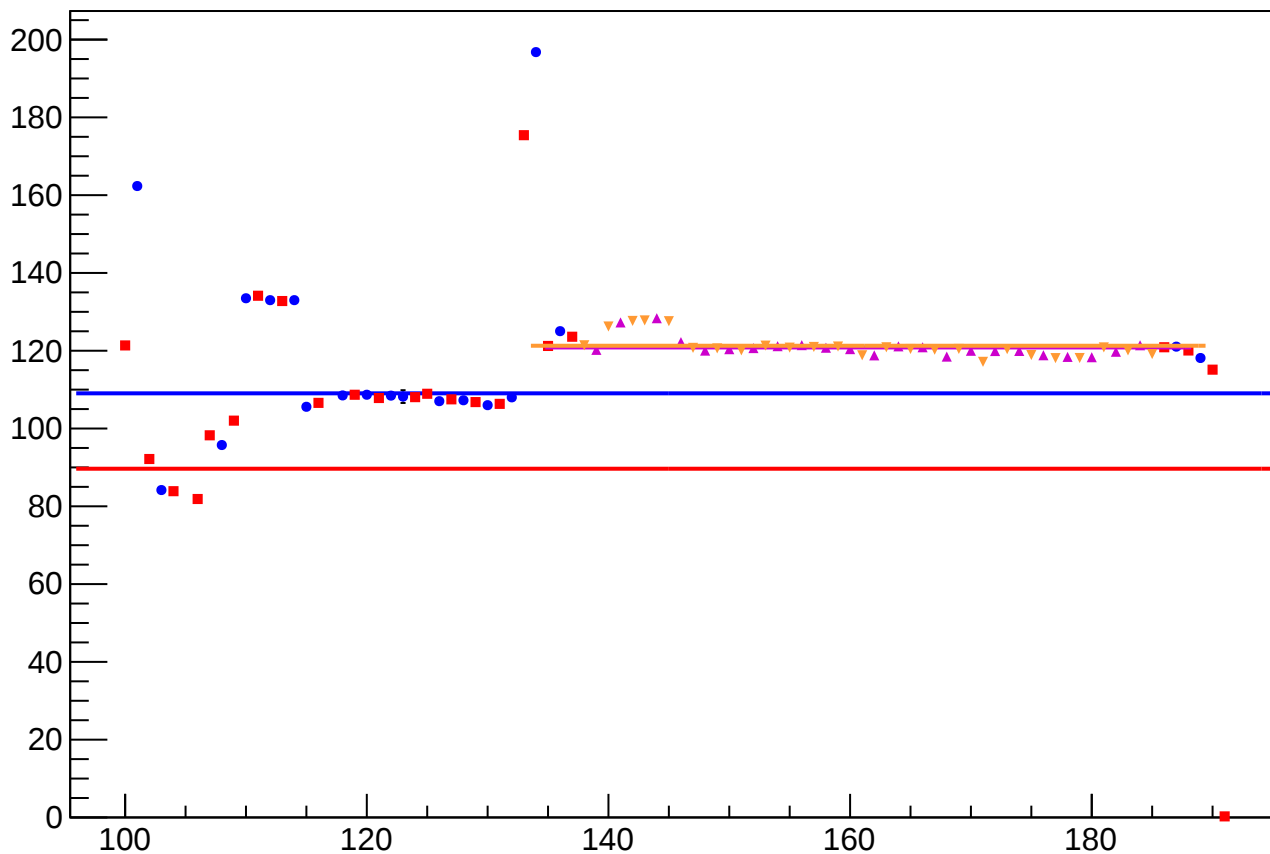
Right: -88.388+/-1.097 χ^2/NDF : 2268.3/41

In: -84.988+/-0.772 χ^2/NDF : 1695.5/41

Out: -80.629+/-0.730 χ^2/NDF : 2197.3/47

All: -82.688+/-0.531 χ^2/NDF : 3909.7/89

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 109.047 $\pm$ 0.083 χ^2 /NDF: 74154.8/18

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF:4939.3/24

Right Out: 89.662 $\pm$ 0.070 χ^2 /NDF: 329389.4/22

Left In: 120.843 $\pm$ 0.041 χ^2 /NDF:3368.2/22

Left: 121.066 $\pm$ 0.029 χ^2 /NDF: 8366.9/47

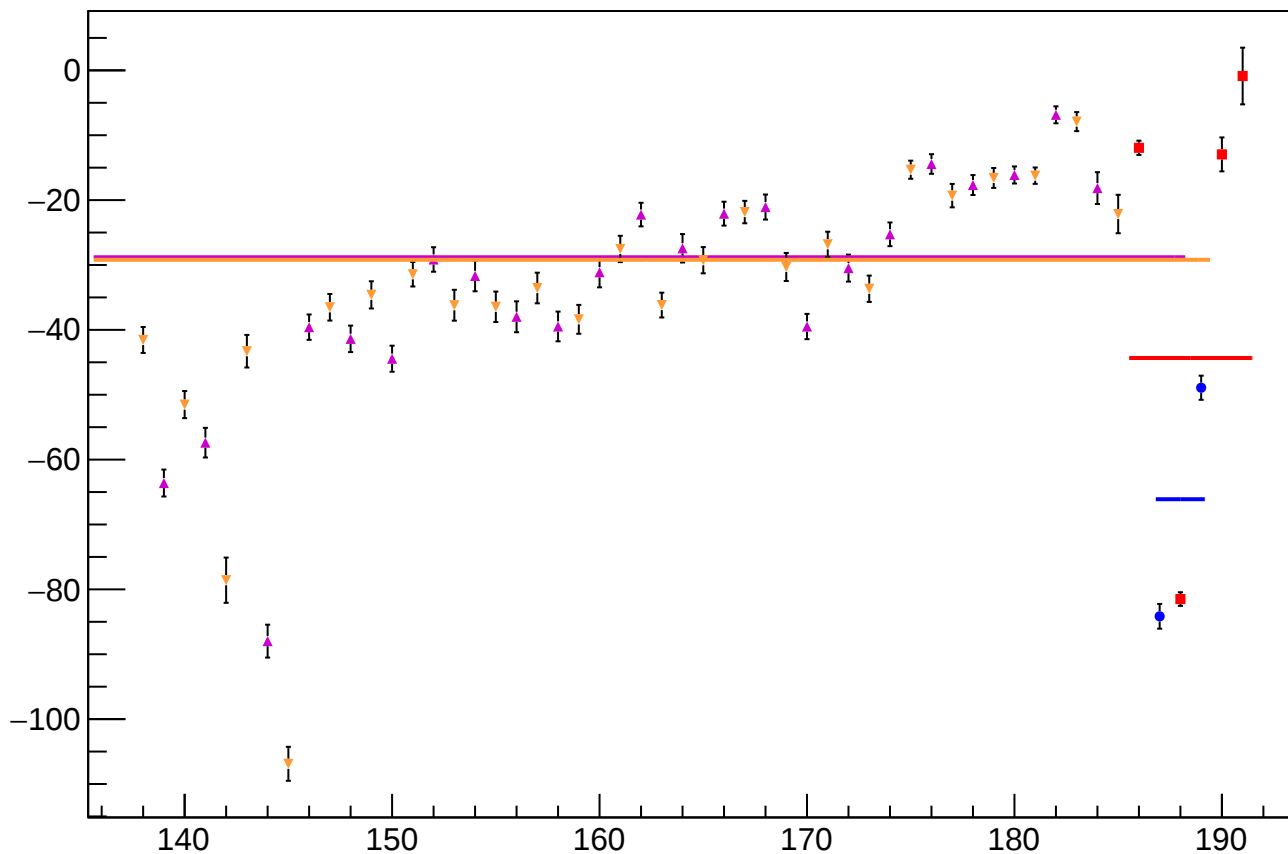
Right: 97.708 $\pm$ 0.053 χ^2 /NDF: 435718.4/41

In: 118.541 $\pm$ 0.037 χ^2 /NDF:93917.0/41

Out: 113.407 $\pm$ 0.035 χ^2 /NDF:489198.5/47

All: 115.848 $\pm$ 0.025 χ^2 /NDF: 593493.8/89

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected

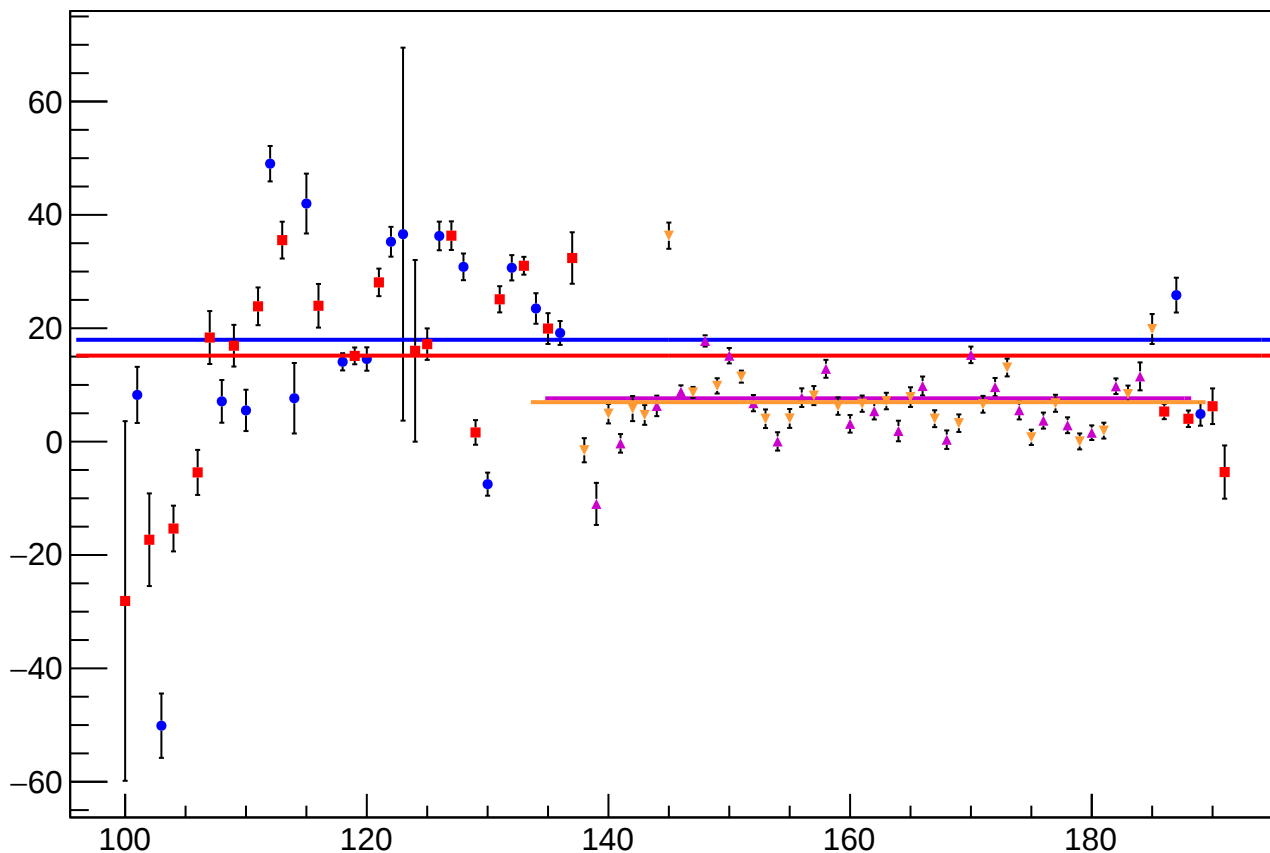


Right In: -66.105 ± 1.331 $\chi^2/\text{NDF}: 175.1/1$
 Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$
 Right Out: -44.339 ± 0.719 $\chi^2/\text{NDF}: 2367.6/3$
 Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

Left: -29.008 ± 0.277 $\chi^2/\text{NDF}: 3645.8/47$
 Right: -49.252 ± 0.632 $\chi^2/\text{NDF}: 2749.8/5$
 In: -31.833 ± 0.379 $\chi^2/\text{NDF}: 2660.4/24$
 Out: -32.624 ± 0.342 $\chi^2/\text{NDF}: 4592.5/28$

All: -32.269 ± 0.254 $\chi^2/\text{NDF}: 7255.4/53$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.965 $\pm$ 0.611 χ^2 /NDF: 665.2/18

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF:321.3/24

Right Out: 15.171 $\pm$ 0.528 χ^2 /NDF: 568.9/22

Left In: 7.638 $\pm$ 0.313 χ^2 /NDF:337.7/22

Left: 7.287 $\pm$ 0.218 χ^2 /NDF: 661.5/47

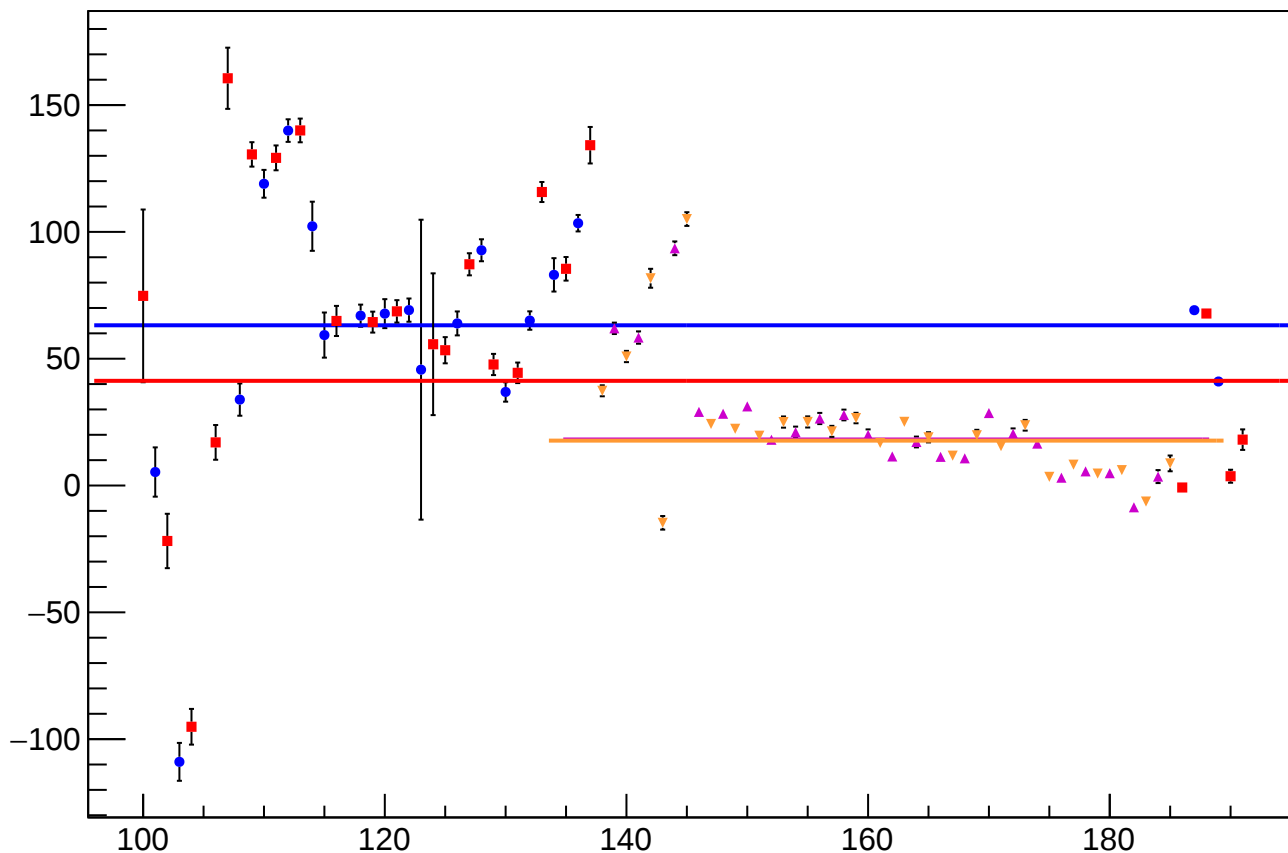
Right: 16.366 $\pm$ 0.400 χ^2 /NDF: 1246.1/41

In: 9.791 $\pm$ 0.279 χ^2 /NDF:1229.0/41

Out: 8.993 $\pm$ 0.263 χ^2 /NDF:1072.1/47

All: 9.368 $\pm$ 0.191 χ^2 /NDF: 2305.5/89

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 63.175 ± 0.827 $\chi^2/\text{NDF}: 1478.1/18$

Left Out: 17.705 ± 0.387 $\chi^2/\text{NDF}: 2432.2/24$

Right Out: 41.276 ± 0.529 $\chi^2/\text{NDF}: 5980.5/22$

Left In: 18.150 ± 0.393 $\chi^2/\text{NDF}: 2339.4/22$

Left: 17.924 ± 0.276 $\chi^2/\text{NDF}: 4772.2/47$

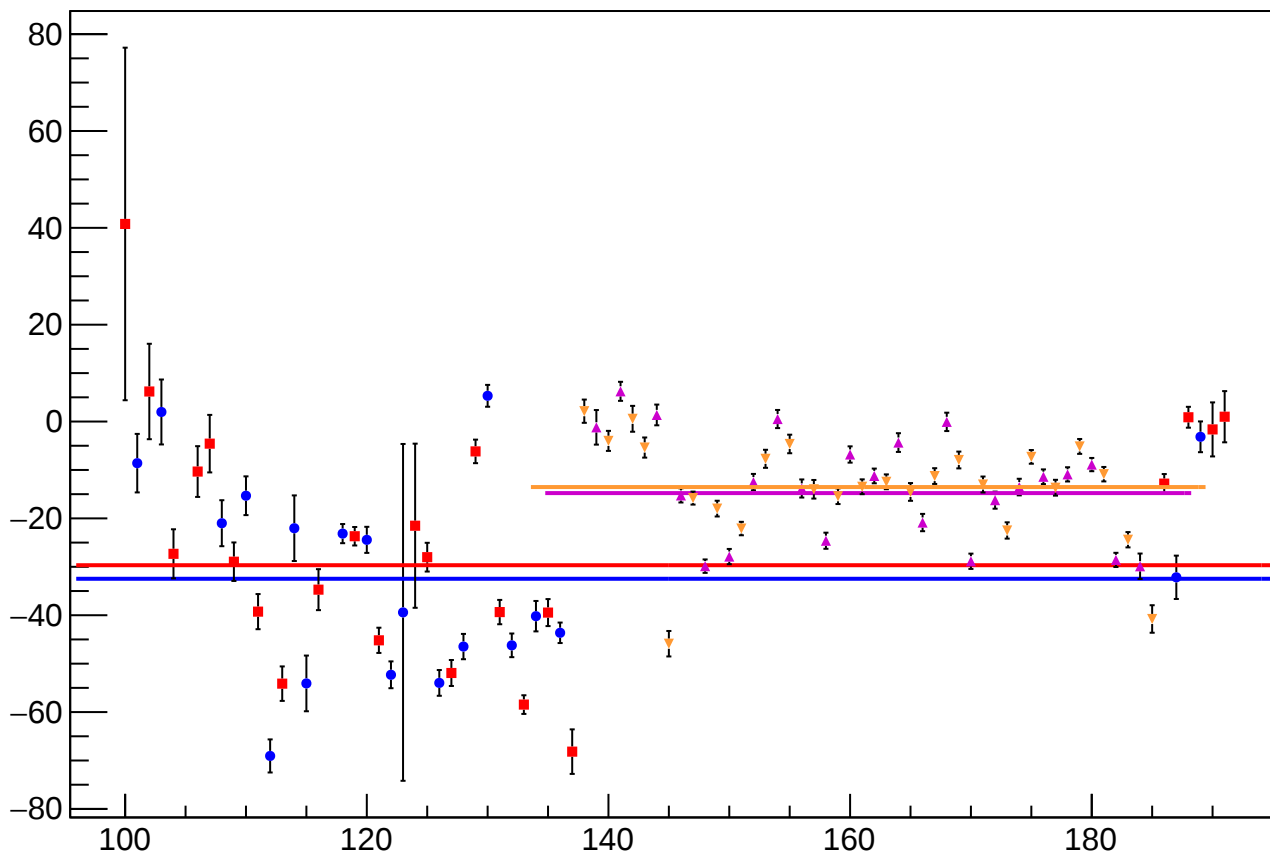
Right: 47.634 ± 0.445 $\chi^2/\text{NDF}: 7956.7/41$

In: 26.437 ± 0.355 $\chi^2/\text{NDF}: 6238.5/41$

Out: 25.934 ± 0.312 $\chi^2/\text{NDF}: 9706.2/47$

All: 26.154 ± 0.234 $\chi^2/\text{NDF}: 15945.8/89$

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.471 ± 0.717 $\chi^2/\text{NDF}: 804.8/18$

Left Out: -13.531 ± 0.344 $\chi^2/\text{NDF}: 572.8/24$

Right Out: -29.671 ± 0.648 $\chi^2/\text{NDF}: 965.3/22$

Left In: -14.778 ± 0.354 $\chi^2/\text{NDF}: 838.0/22$

Left: -14.136 ± 0.247 $\chi^2/\text{NDF}: 1417.2/47$

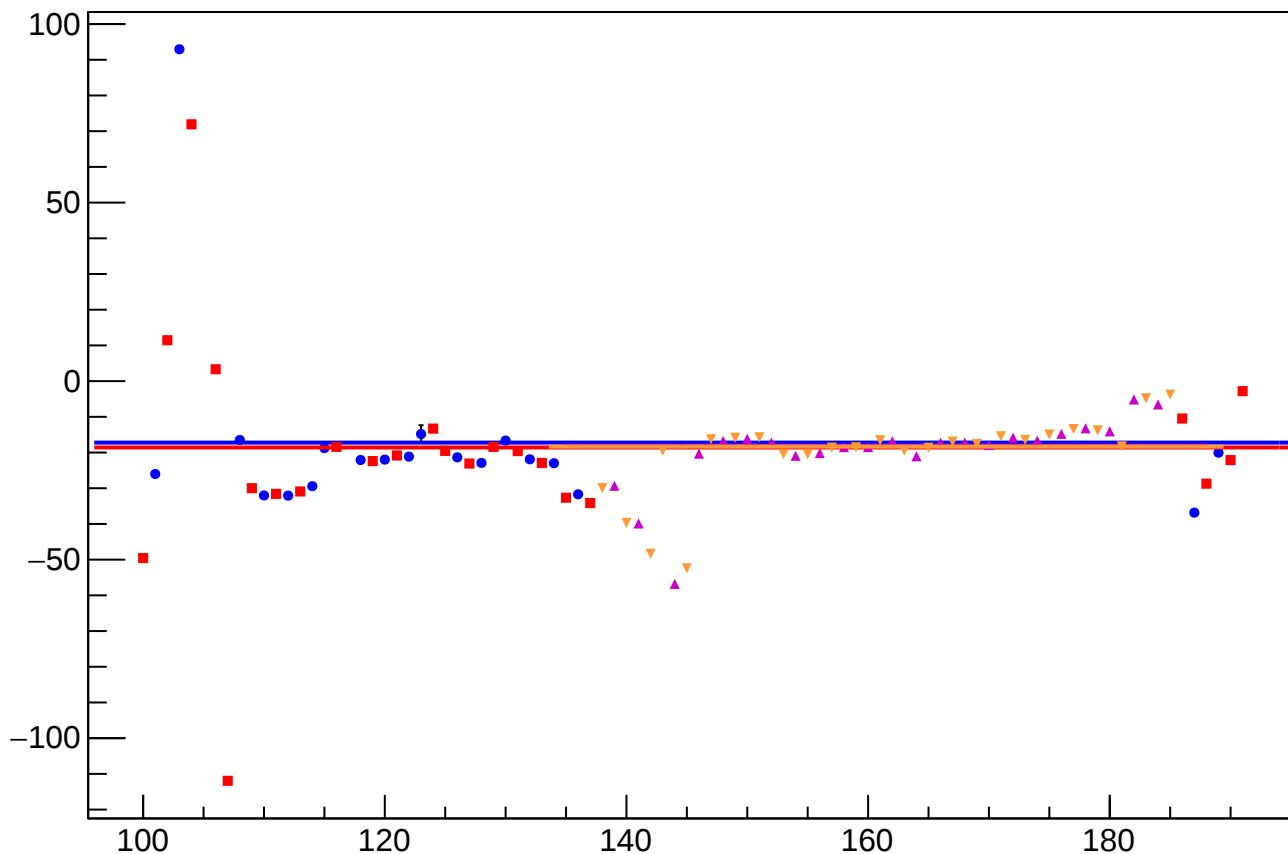
Right: -30.931 ± 0.481 $\chi^2/\text{NDF}: 1778.4/41$

In: -18.247 ± 0.318 $\chi^2/\text{NDF}: 2132.2/41$

Out: -17.076 ± 0.304 $\chi^2/\text{NDF}: 2021.5/47$

All: -17.636 ± 0.220 $\chi^2/\text{NDF}: 4160.8/89$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.220 ± 0.042 $\chi^2/\text{NDF}: 480917.9/18$

Left Out: -18.334 ± 0.016 $\chi^2/\text{NDF}: 284152.1/24$

Right Out: -18.583 ± 0.038 $\chi^2/\text{NDF}: 458563.4/22$

Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

Left: -18.211 ± 0.011 $\chi^2/\text{NDF}: 526224.9/47$

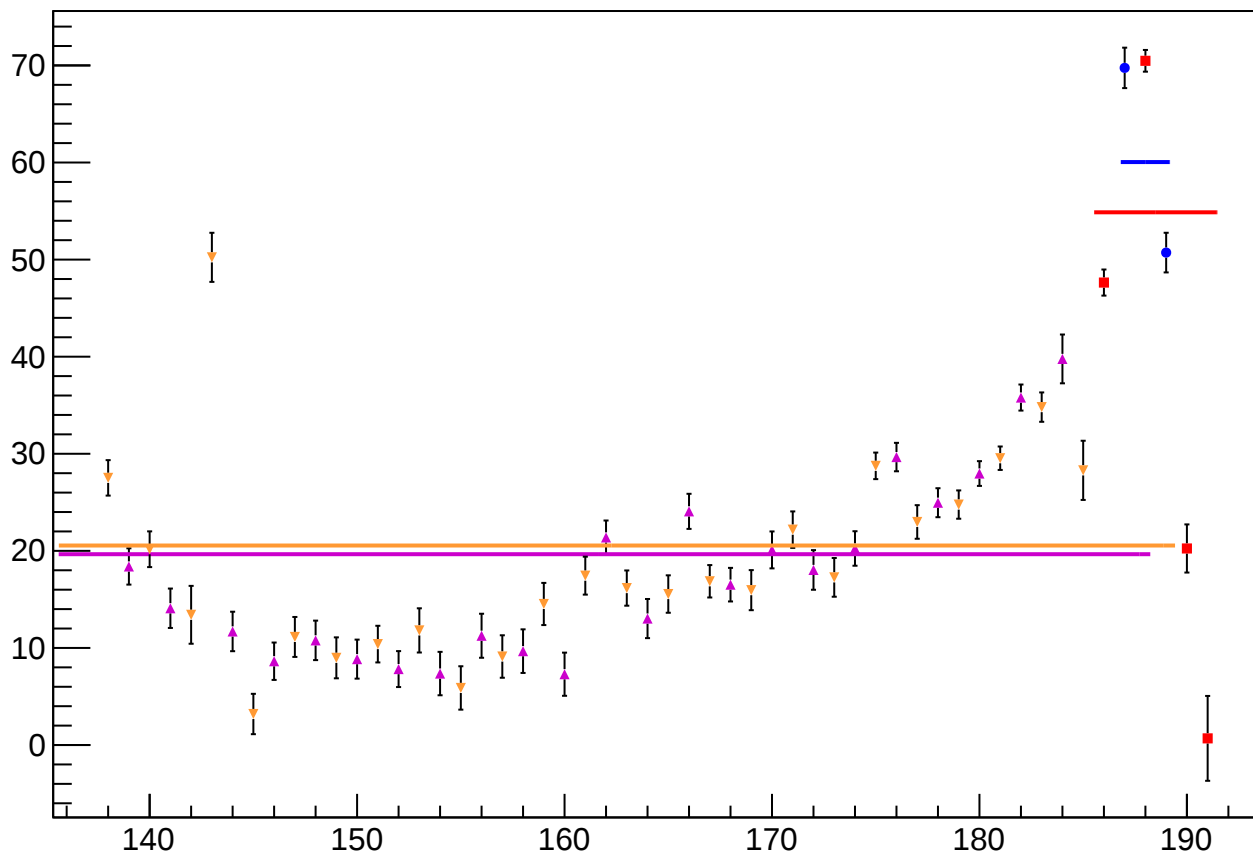
Right: -17.976 ± 0.028 $\chi^2/\text{NDF}: 940064.2/41$

In: -17.973 ± 0.015 $\chi^2/\text{NDF}: 723235.2/41$

Out: -18.371 ± 0.015 $\chi^2/\text{NDF}: 742752.7/47$

All: -18.178 ± 0.010 $\chi^2/\text{NDF}: 1466349.4/89$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 60.046 $\pm$ 1.458 χ^2 /NDF: 42.6/1

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 54.871 $\pm$ 0.798 χ^2 /NDF: 572.4/3

Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

Left: 20.112 $\pm$ 0.266 χ^2 /NDF: 1201.0/47

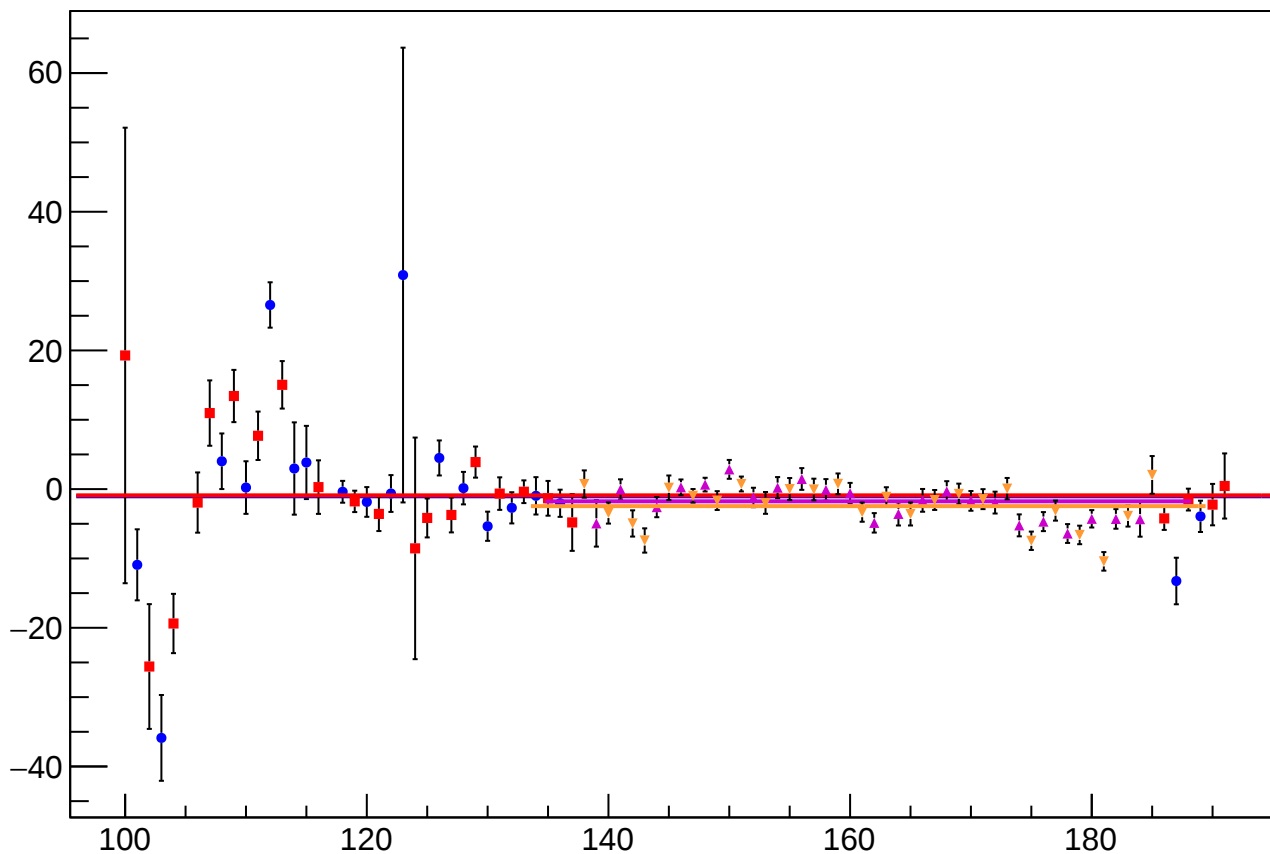
Right: 56.065 $\pm$ 0.700 χ^2 /NDF: 624.7/5

In: 22.230 $\pm$ 0.368 χ^2 /NDF: 1333.0/24

Out: 26.700 $\pm$ 0.338 χ^2 /NDF: 2715.4/28

All: 24.656 $\pm$ 0.249 χ^2 /NDF: 4128.5/53

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.036 ± 0.625 χ^2/NDF : 135.7/18

Left Out: -2.455 ± 0.292 χ^2/NDF : 106.0/24

Right Out: -0.900 ± 0.556 χ^2/NDF : 89.6/22

Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

Left: -2.118 ± 0.210 χ^2/NDF : 176.1/47

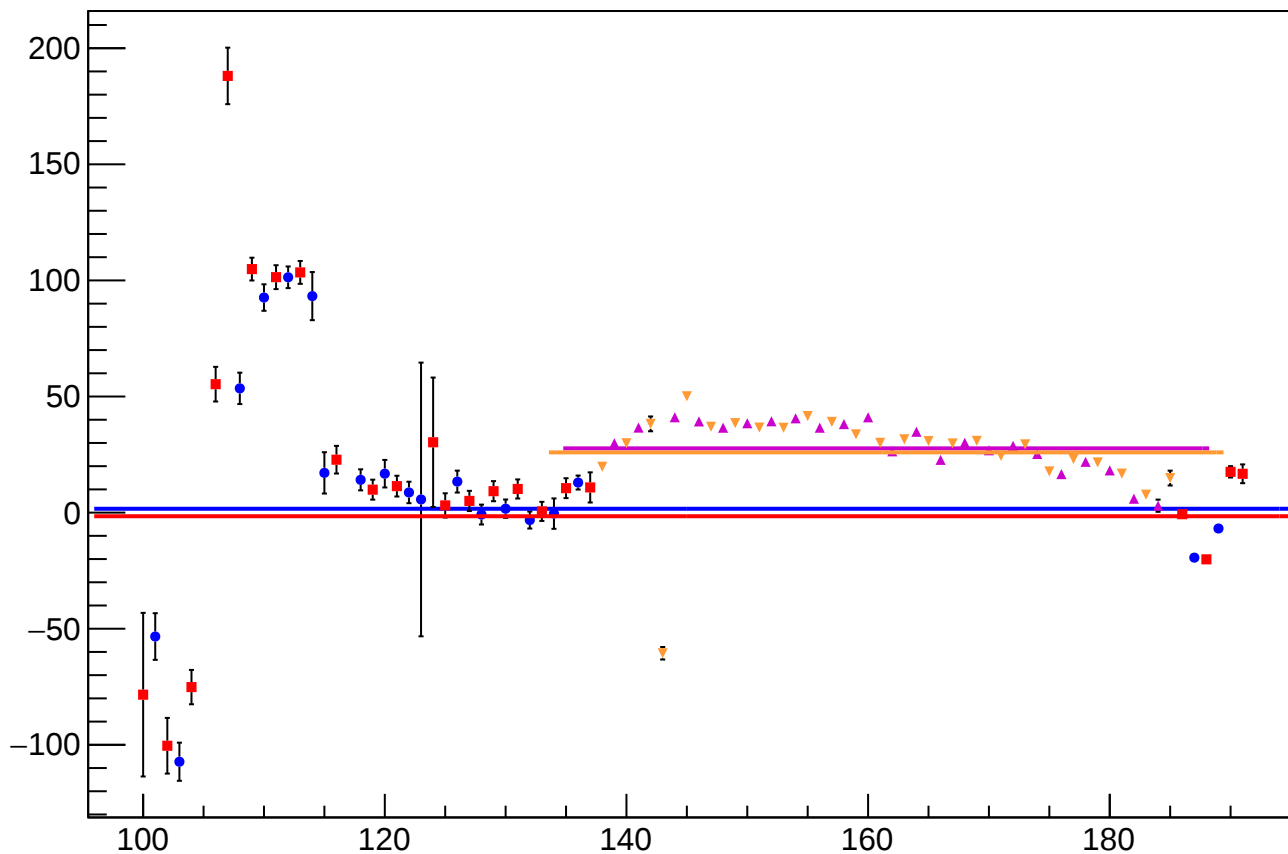
Right: -0.960 ± 0.415 χ^2/NDF : 225.3/41

In: -1.621 ± 0.272 χ^2/NDF : 204.2/41

Out: -2.118 ± 0.259 χ^2/NDF : 201.7/47

All: -1.882 ± 0.187 χ^2/NDF : 407.7/89

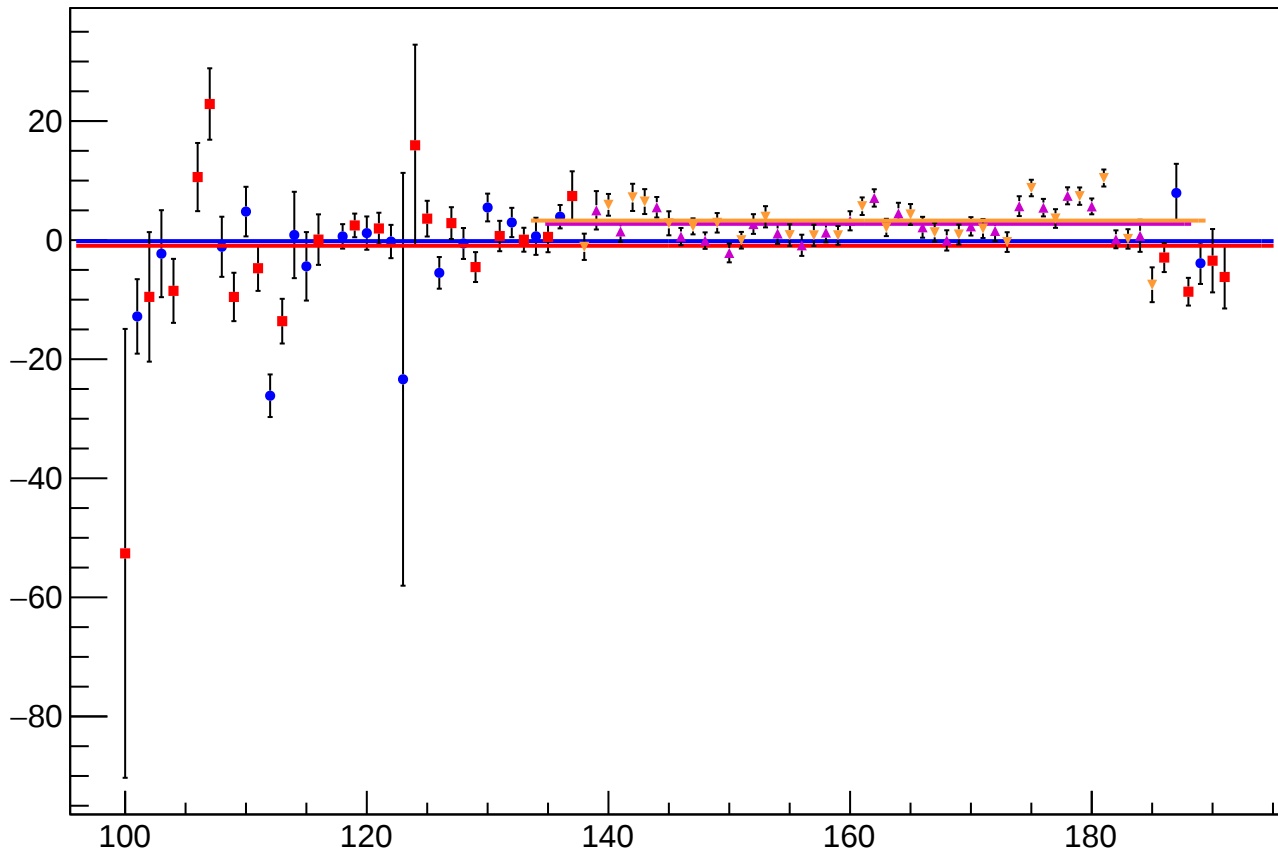
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.662 ± 0.873 $\chi^2/\text{NDF}: 1270.9/18$
 Left Out: 25.938 ± 0.372 $\chi^2/\text{NDF}: 1711.6/24$
 Right Out: -1.558 ± 0.580 $\chi^2/\text{NDF}: 2368.1/22$
 Left In: 27.677 ± 0.378 $\chi^2/\text{NDF}: 803.9/22$

Left: 26.794 ± 0.265 $\chi^2/\text{NDF}: 2526.2/47$
 Right: -0.571 ± 0.483 $\chi^2/\text{NDF}: 3648.5/41$
 In: 23.568 ± 0.347 $\chi^2/\text{NDF}: 2822.0/41$
 Out: 17.923 ± 0.313 $\chi^2/\text{NDF}: 5669.5/47$
 All: 20.458 ± 0.233 $\chi^2/\text{NDF}: 8637.2/89$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.165 ± 0.728 χ^2/NDF : 79.5/18

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -0.943 ± 0.674 χ^2/NDF : 70.6/22

Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

Left: 3.018 ± 0.238 χ^2/NDF : 168.1/47

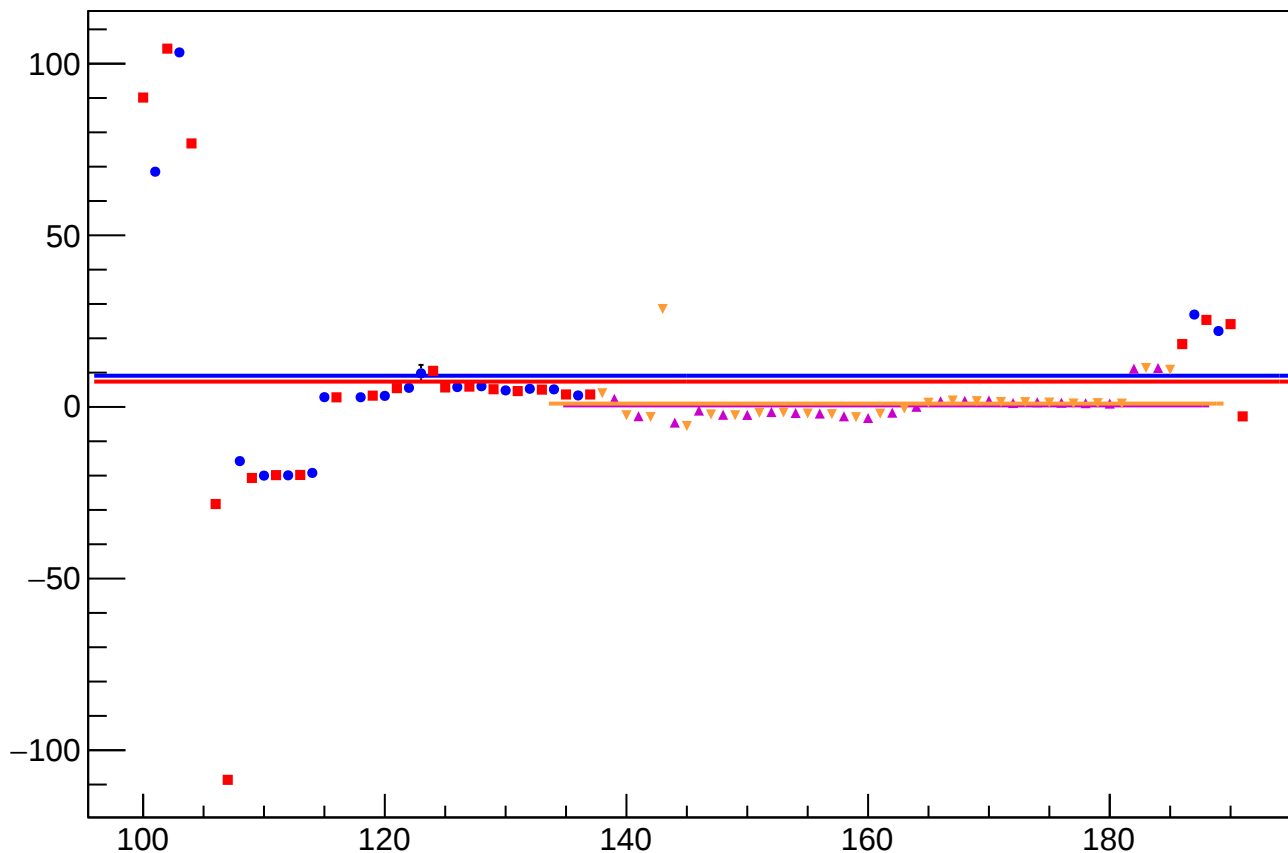
Right: -0.584 ± 0.495 χ^2/NDF : 150.8/41

In: 2.215 ± 0.309 χ^2/NDF : 157.1/41

Out: 2.460 ± 0.297 χ^2/NDF : 204.6/47

All: 2.342 ± 0.214 χ^2/NDF : 361.9/89

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 9.098 ± 0.042 $\chi^2/\text{NDF}: 368587.9/18$

Left Out: 0.979 ± 0.015 $\chi^2/\text{NDF}: 117391.3/24$

Right Out: 7.387 ± 0.039 $\chi^2/\text{NDF}: 561571.5/22$

Left In: 0.451 ± 0.015 $\chi^2/\text{NDF}: 50699.8/22$

Left: 0.719 ± 0.011 $\chi^2/\text{NDF}: 168685.3/47$

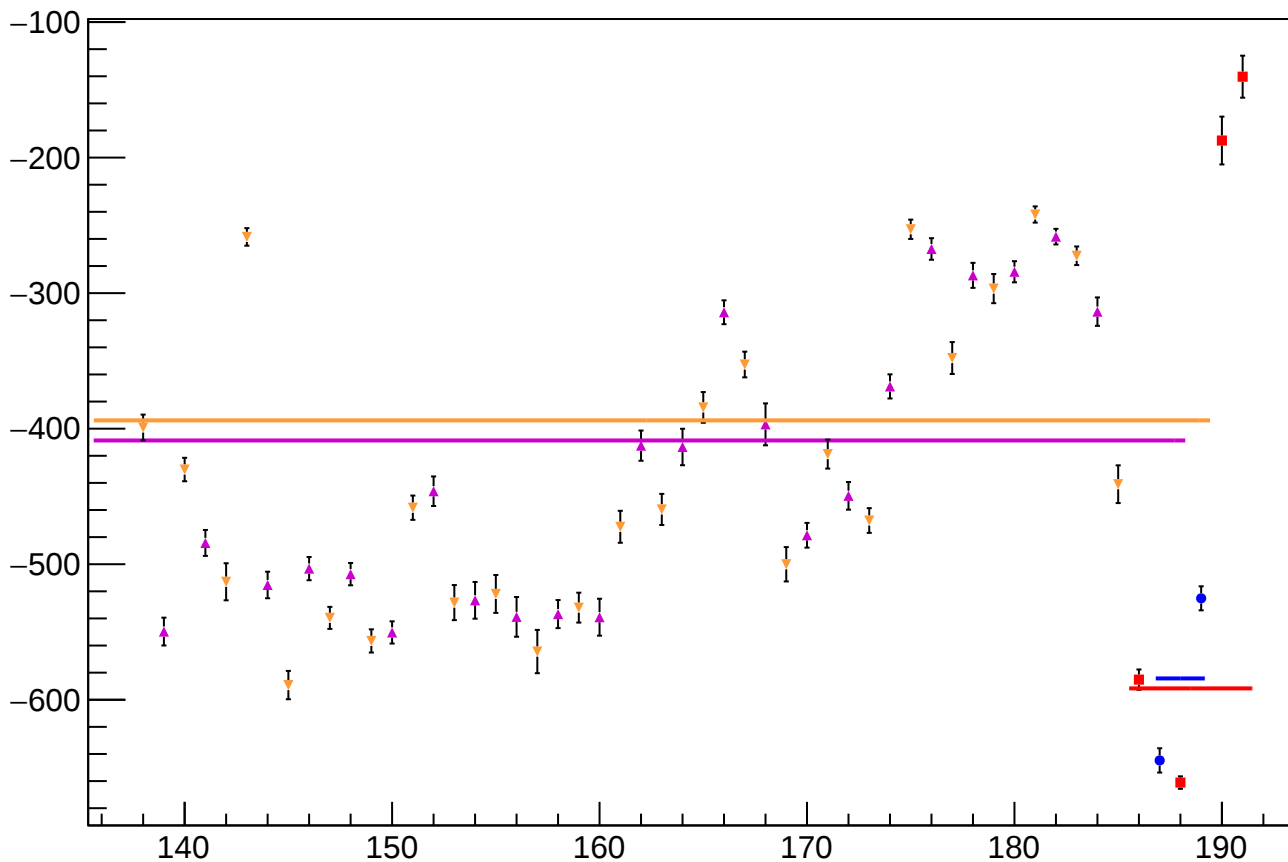
Right: 8.162 ± 0.029 $\chi^2/\text{NDF}: 931052.0/41$

In: 1.464 ± 0.014 $\chi^2/\text{NDF}: 456071.1/41$

Out: 1.840 ± 0.014 $\chi^2/\text{NDF}: 702868.8/47$

All: 1.657 ± 0.010 $\chi^2/\text{NDF}: 1159284.4/89$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -584.264+/-6.302 χ^2/NDF : 90.0/1

Left Out: -393.871+/-1.897 χ^2/NDF : 3772.8/24

Right Out: -591.611+/-3.713 χ^2/NDF : 1602.2/3

Left In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

Left: -400.970+/-1.369 χ^2/NDF : 6864.9/47

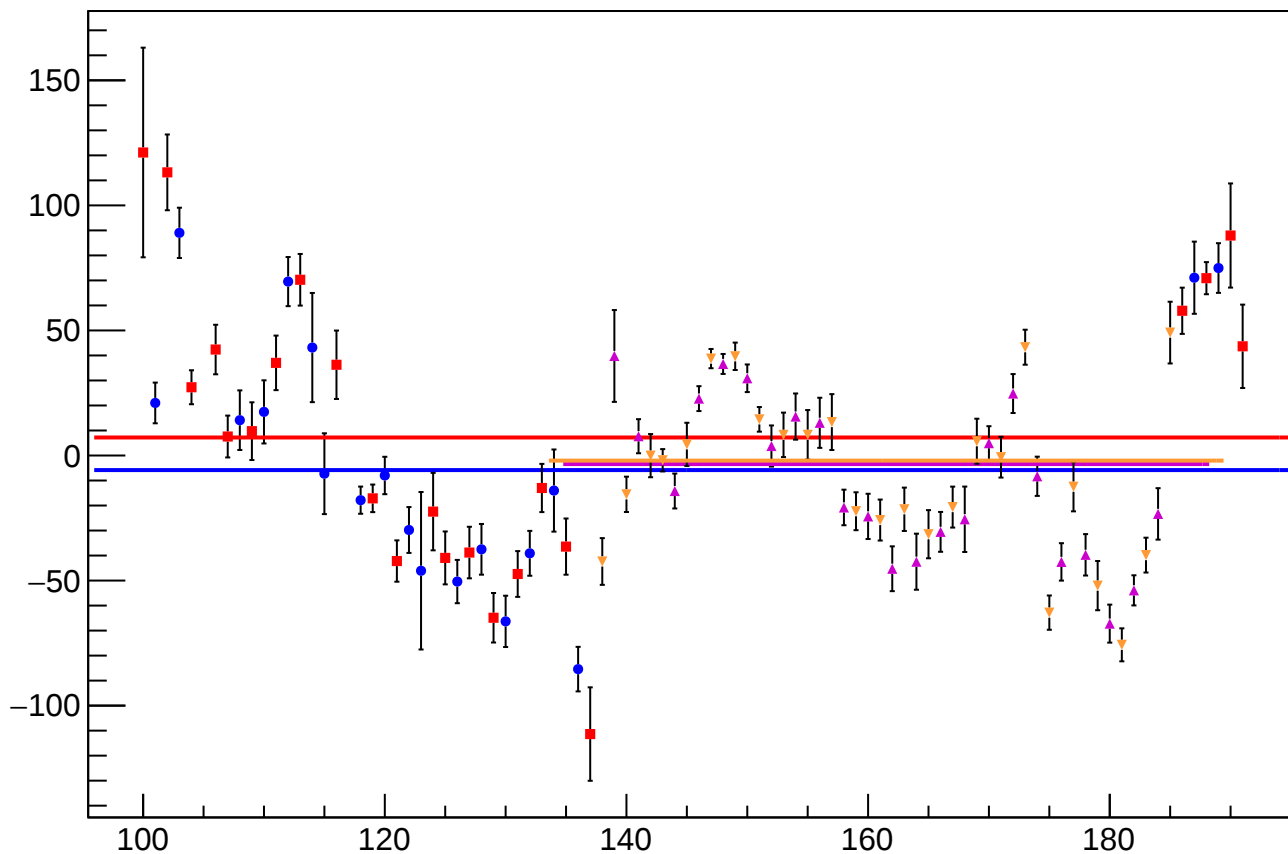
Right: -589.719+/-3.199 χ^2/NDF : 1693.2/5

In: -424.453+/-1.888 χ^2/NDF : 3859.3/24

Out: -434.810+/-1.689 χ^2/NDF : 7624.5/28

All: -430.205+/-1.259 χ^2/NDF : 11500.5/53

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.828 ± 2.261 $\chi^2/\text{NDF}: 443.0/18$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 7.204 ± 2.052 $\chi^2/\text{NDF}: 523.2/22$

Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

Left: -2.683 ± 1.039 $\chi^2/\text{NDF}: 1015.2/47$

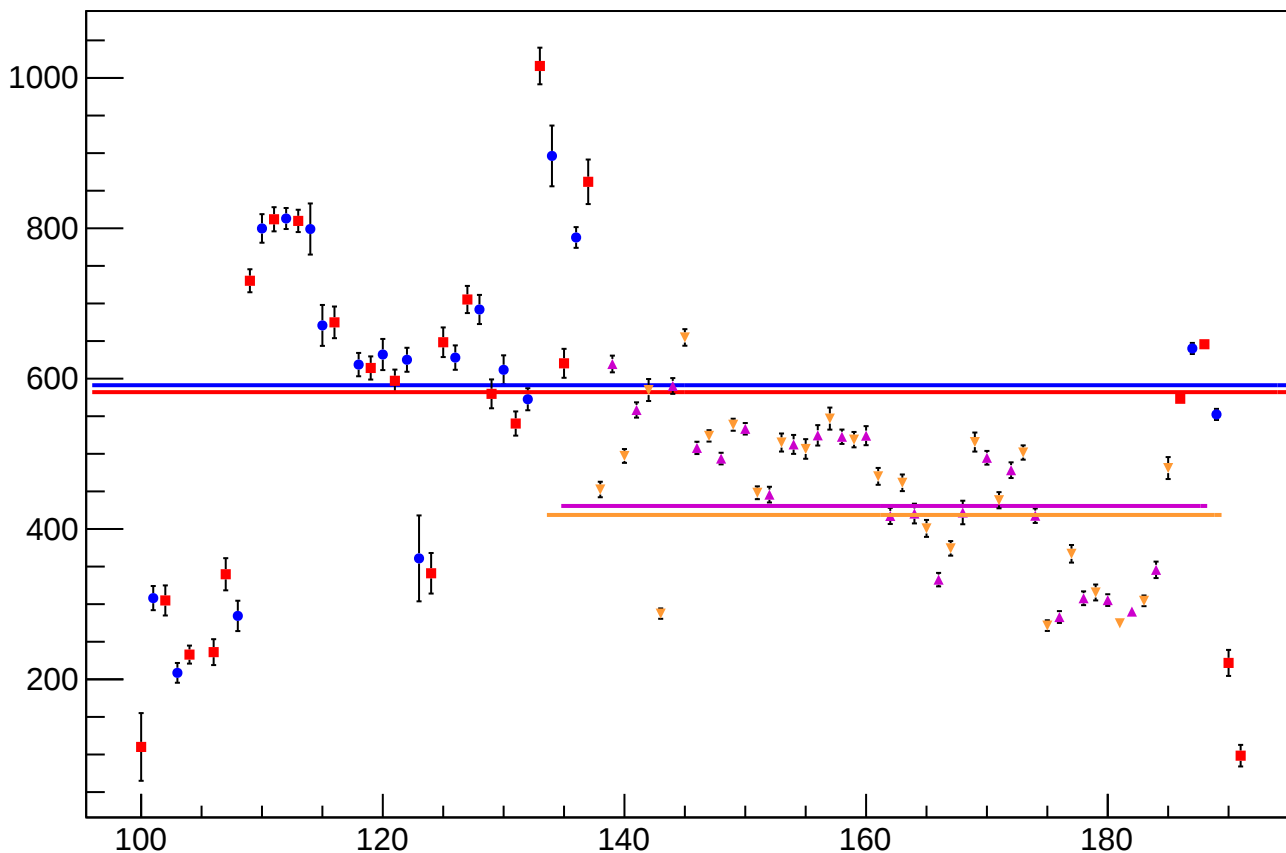
Right: 1.318 ± 1.520 $\chi^2/\text{NDF}: 984.4/41$

In: -4.169 ± 1.262 $\chi^2/\text{NDF}: 894.7/41$

Out: 0.967 ± 1.170 $\chi^2/\text{NDF}: 1100.7/47$

All: -1.408 ± 0.858 $\chi^2/\text{NDF}: 2004.4/89$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 591.254+/-3.346 χ^2/NDF : 2199.6/18

Left Out: 418.680+/-1.905 χ^2/NDF : 3296.5/24

Right Out: 582.048+/-2.441 χ^2/NDF : 4664.3/22

Left In: 430.640+/-1.971 χ^2/NDF : 2850.6/22

Left: 424.457+/-1.370 χ^2/NDF : 6166.1/47

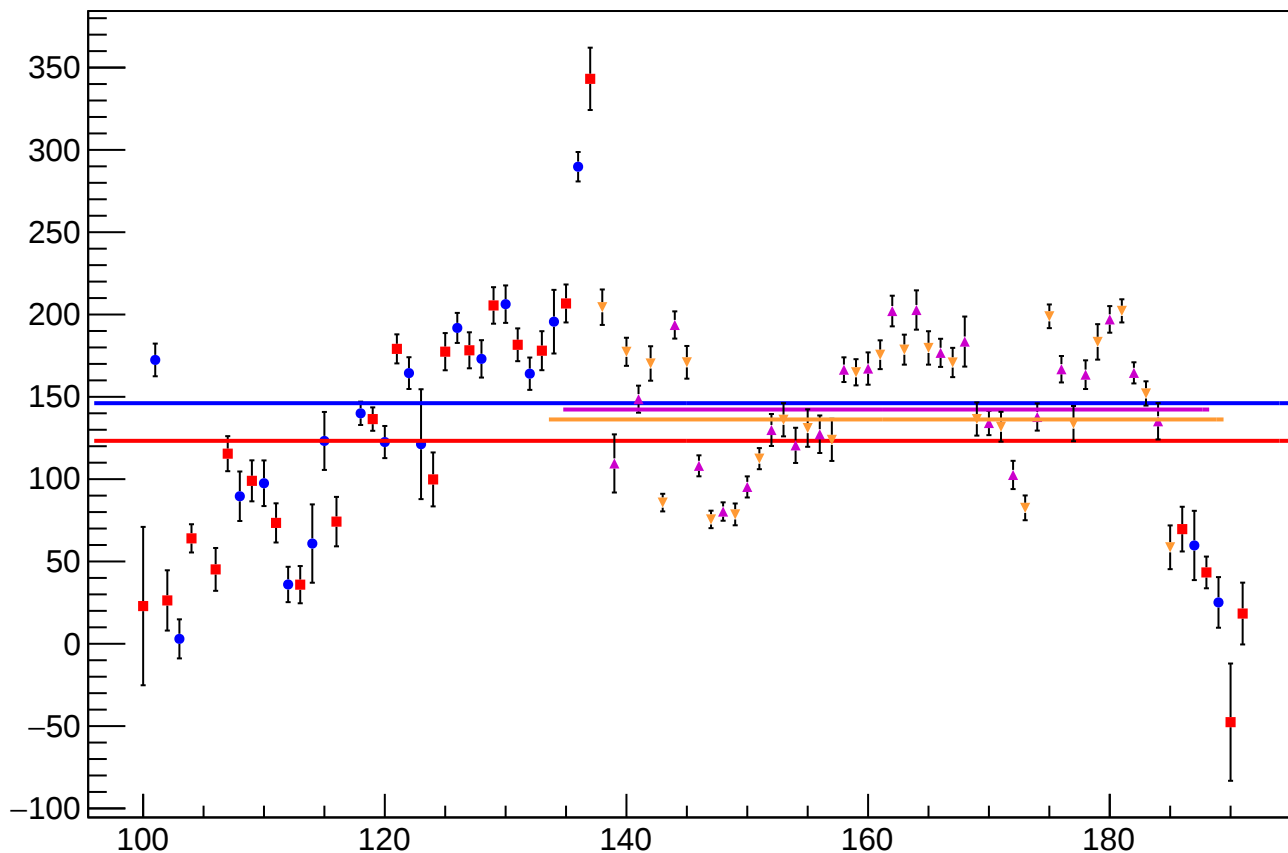
Right: 585.246+/-1.972 χ^2/NDF : 6868.8/41

In: 472.000+/-1.698 χ^2/NDF : 6760.6/41

Out: 480.507+/-1.502 χ^2/NDF : 10744.5/47

All: 476.774+/-1.125 χ^2/NDF : 17519.1/89

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 146.147 $\pm$ 2.652 χ^2 /NDF: 714.7/18

Left Out: 136.258 $\pm$ 1.651 χ^2 /NDF: 758.3/24

Right Out: 123.274 $\pm$ 2.458 χ^2 /NDF: 738.8/22

Left In: 142.296 $\pm$ 1.745 χ^2 /NDF: 459.8/22

Left: 139.111 $\pm$ 1.199 χ^2 /NDF: 1224.4/47

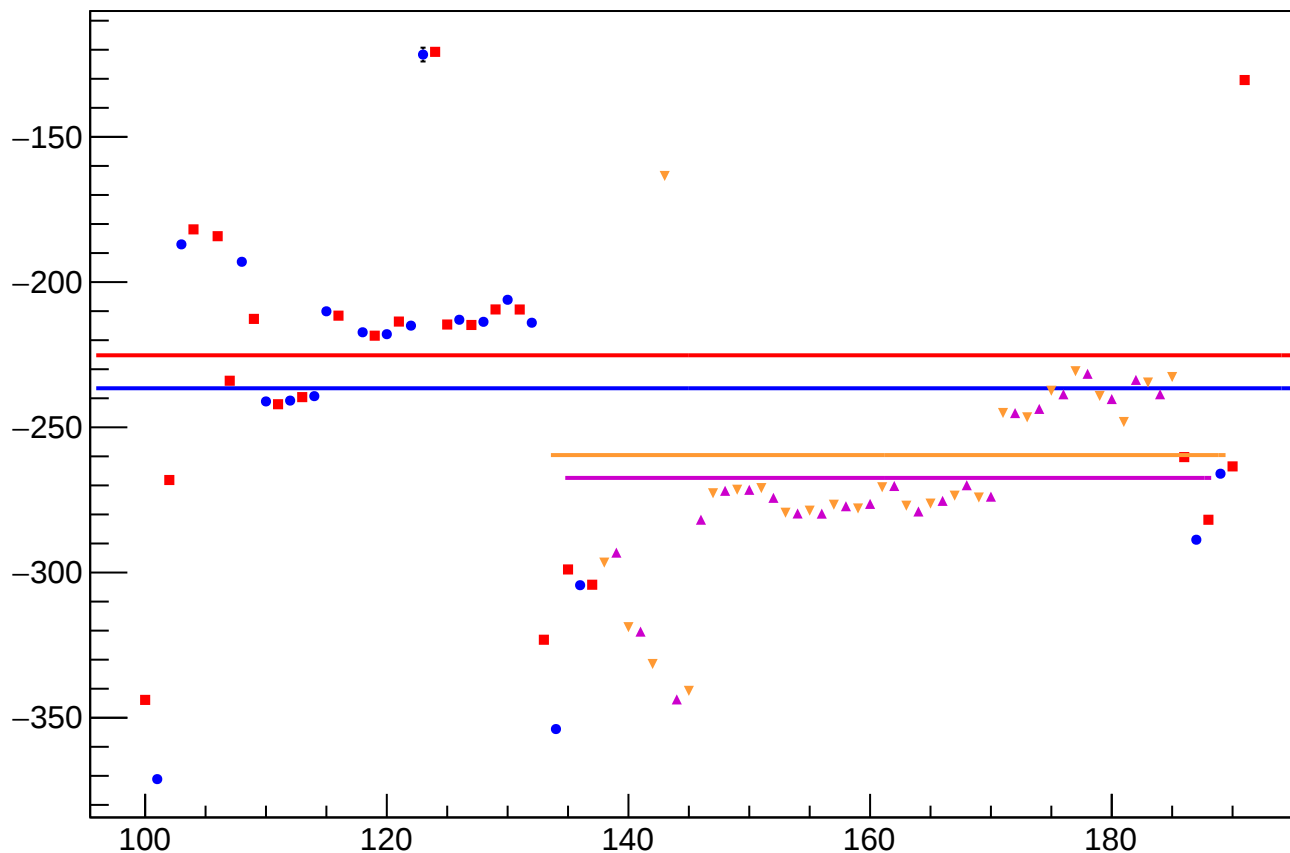
Right: 133.841 $\pm$ 1.803 χ^2 /NDF: 1493.5/41

In: 143.459 $\pm$ 1.458 χ^2 /NDF: 1175.9/41

Out: 132.221 $\pm$ 1.370 χ^2 /NDF: 1516.3/47

All: 137.494 $\pm$ 0.998 χ^2 /NDF: 2723.8/89

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -236.554 ± 0.145 χ^2/NDF : 148708.8/18

Left Out: -259.557 ± 0.079 χ^2/NDF : 238235.2/24

Right Out: -225.201 ± 0.130 χ^2/NDF : 147905.7/22

Left In: -267.417 ± 0.082 χ^2/NDF : 98035.5/22

Left: -263.361 ± 0.057 χ^2/NDF : 341051.4/47

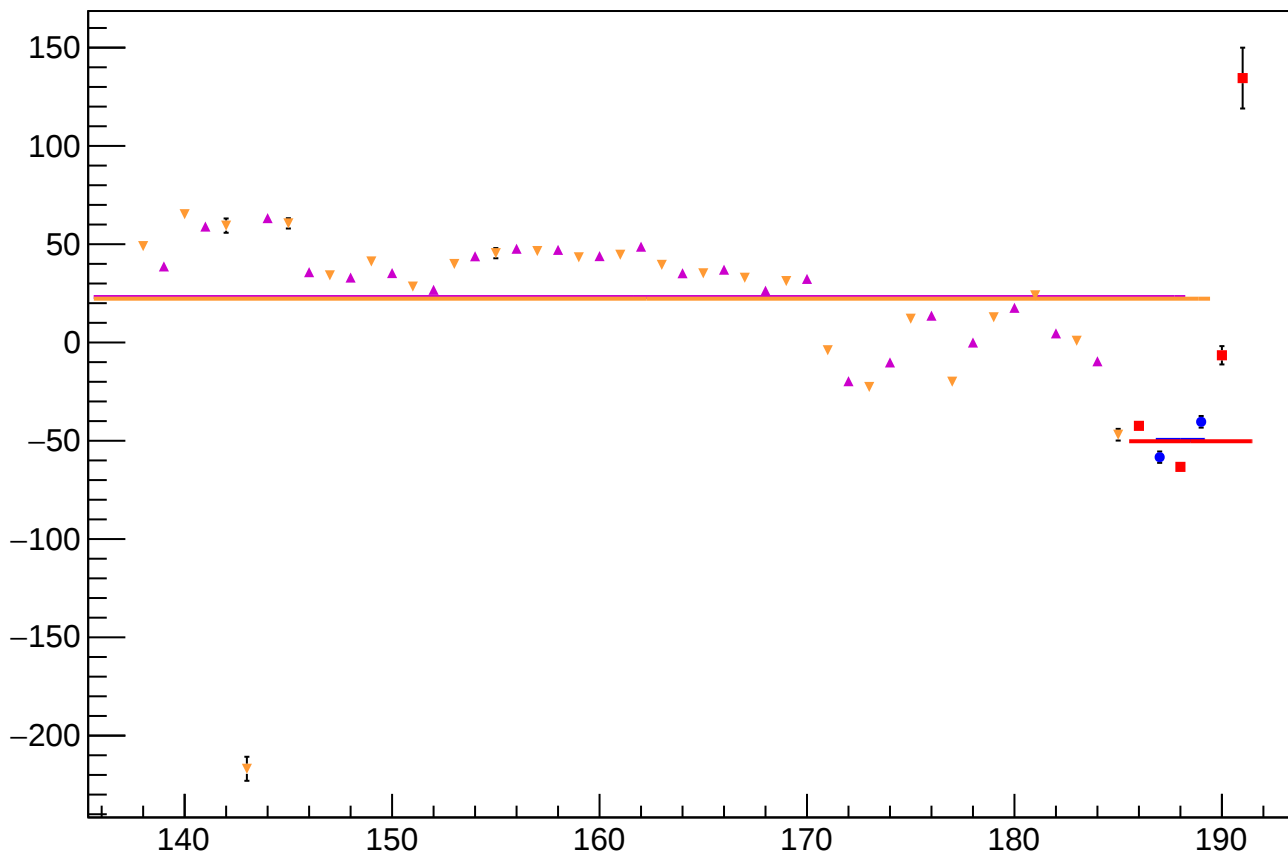
Right: -230.242 ± 0.097 χ^2/NDF : 300015.5/41

In: -259.996 ± 0.071 χ^2/NDF : 281082.5/41

Out: -250.246 ± 0.068 χ^2/NDF : 437278.5/47

All: -254.865 ± 0.049 χ^2/NDF : 728235.1/89

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -49.557 ± 2.066 $\chi^2/\text{NDF}: 19.0/1$

Left Out: 22.279 ± 0.399 $\chi^2/\text{NDF}: 5171.0/24$

Right Out: -50.244 ± 1.126 $\chi^2/\text{NDF}: 320.5/3$

Left In: 23.136 ± 0.401 $\chi^2/\text{NDF}: 2744.7/22$

Left: 22.705 ± 0.283 $\chi^2/\text{NDF}: 7918.0/47$

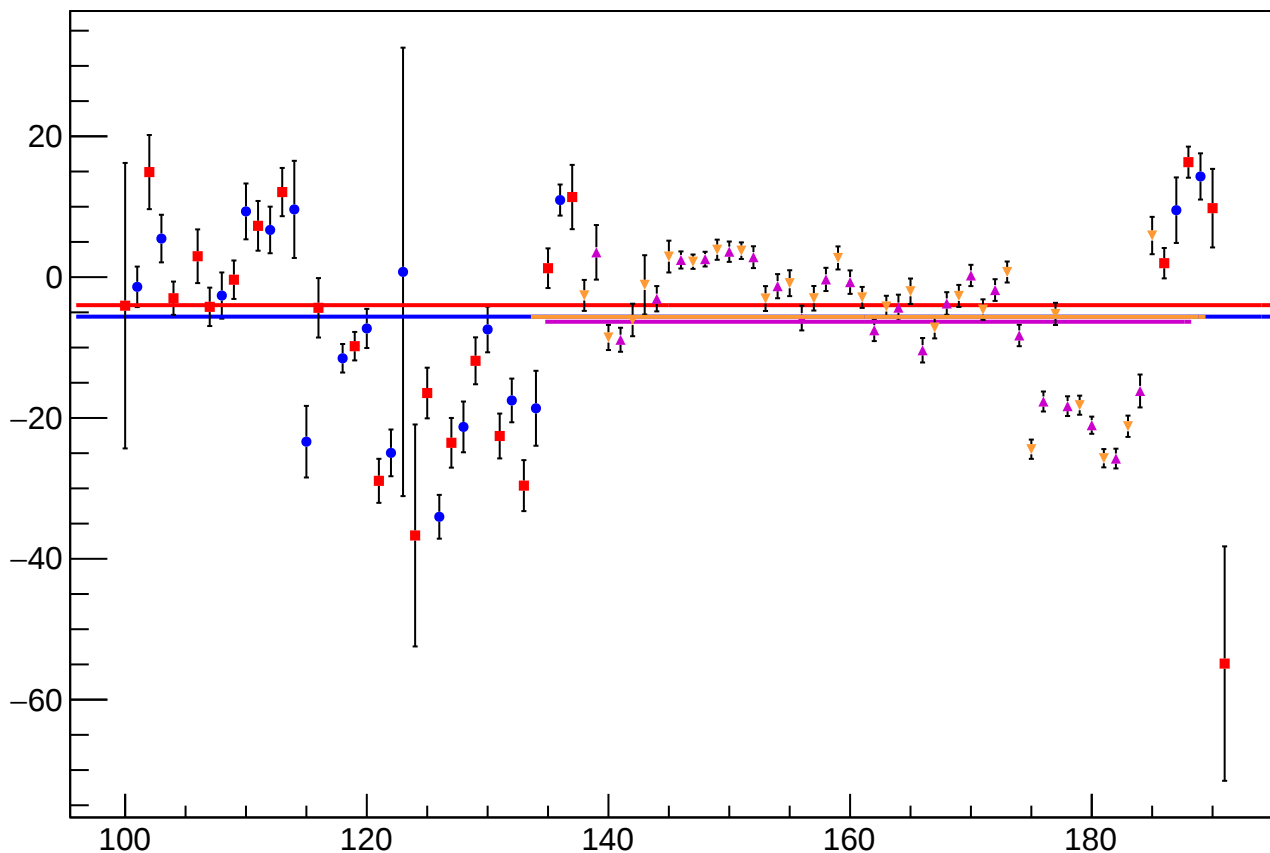
Right: -50.087 ± 0.989 $\chi^2/\text{NDF}: 339.6/5$

In: 20.491 ± 0.394 $\chi^2/\text{NDF}: 3956.7/24$

Out: 14.195 ± 0.376 $\chi^2/\text{NDF}: 9178.7/28$

All: 17.194 ± 0.272 $\chi^2/\text{NDF}: 13269.0/53$

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.610 ± 0.758 χ^2/NDF : 328.9/18

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -3.979 ± 0.677 χ^2/NDF : 381.5/22

Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

Left: -5.983 ± 0.225 χ^2/NDF : 1679.1/47

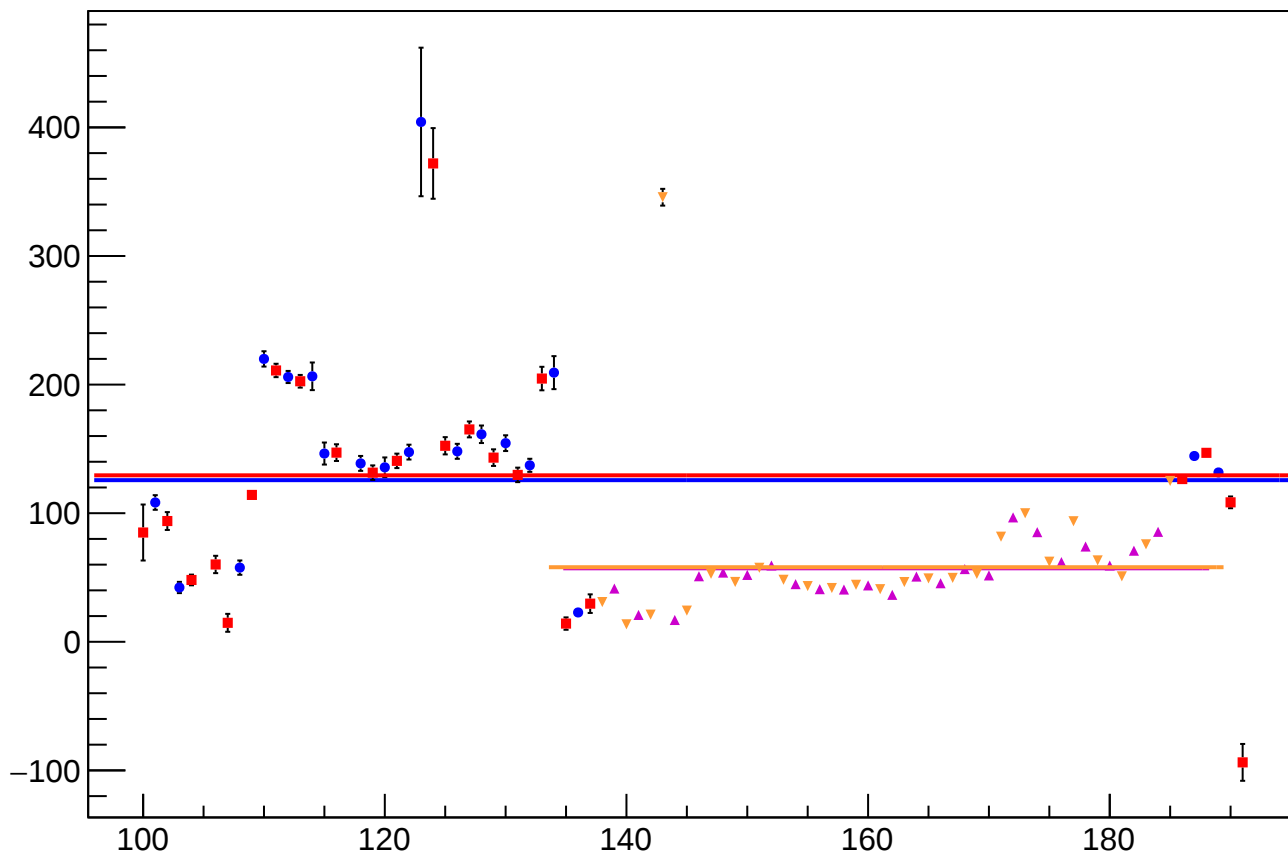
Right: -4.703 ± 0.505 χ^2/NDF : 713.0/41

In: -6.226 ± 0.296 χ^2/NDF : 1112.7/41

Out: -5.346 ± 0.286 χ^2/NDF : 1280.2/47

All: -5.771 ± 0.206 χ^2/NDF : 2397.4/89

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 125.689 $\pm$ 1.095 χ^2/NDF : 2264.5/18

Left Out: 57.990 $\pm$ 0.398 χ^2/NDF :4635.7/24

Right Out: 129.449 $\pm$ 0.759 χ^2/NDF : 2701.7/22

Left In: 57.139 $\pm$ 0.400 χ^2/NDF :1803.4/22

Left: 57.566 $\pm$ 0.282 χ^2/NDF : 6441.4/47

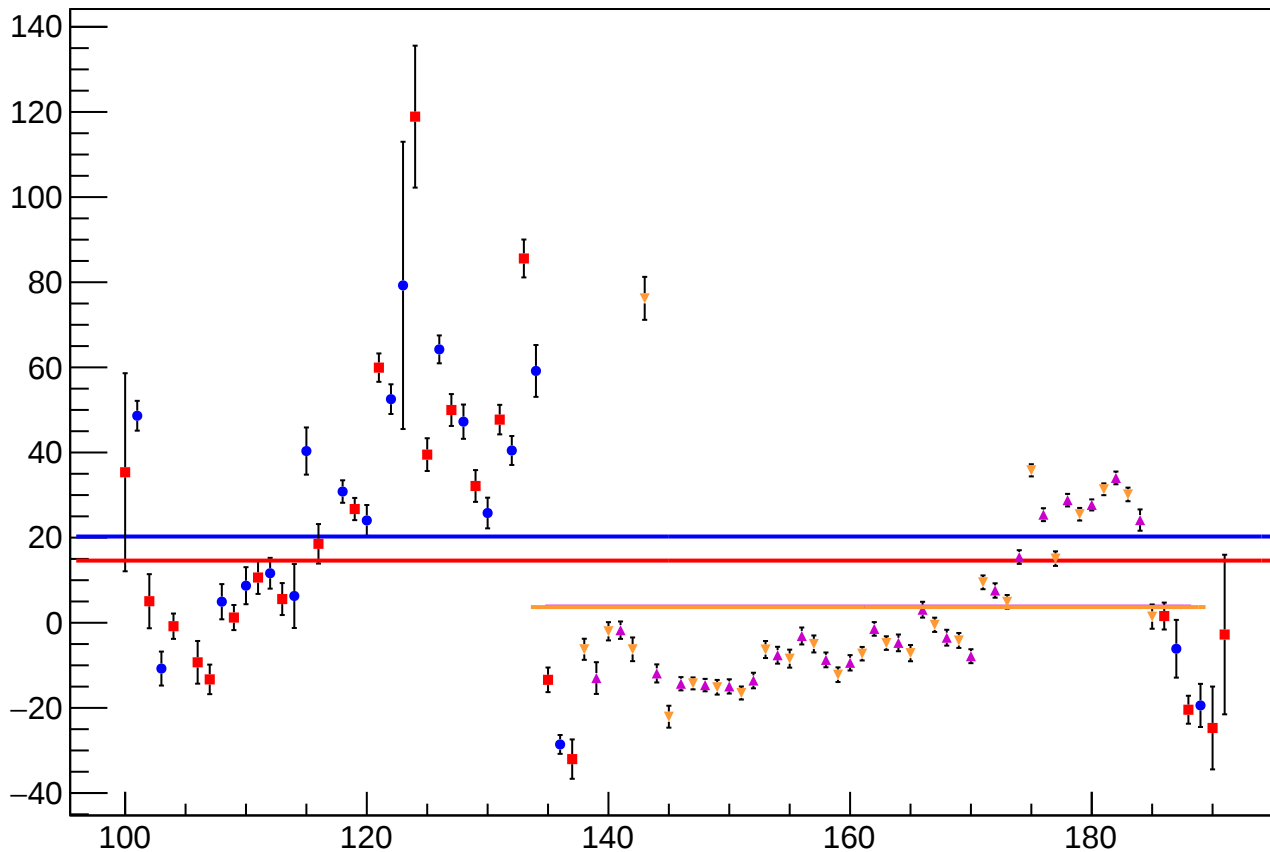
Right: 128.229 $\pm$ 0.624 χ^2/NDF : 4974.2/41

In: 65.189 $\pm$ 0.375 χ^2/NDF :7524.6/41

Out: 73.382 $\pm$ 0.352 χ^2/NDF :14283.1/47

All: 69.543 $\pm$ 0.257 χ^2/NDF : 22060.9/89

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.263 $\pm$ 0.879 χ^2/NDF : 1141.4/18

Left Out: 3.684 $\pm$ 0.357 χ^2/NDF : 2541.7/24

Right Out: 14.608 $\pm$ 0.811 χ^2/NDF : 1233.4/22

Left In: 3.786 $\pm$ 0.362 χ^2/NDF : 2198.8/22

Left: 3.734 $\pm$ 0.254 χ^2/NDF : 4740.5/47

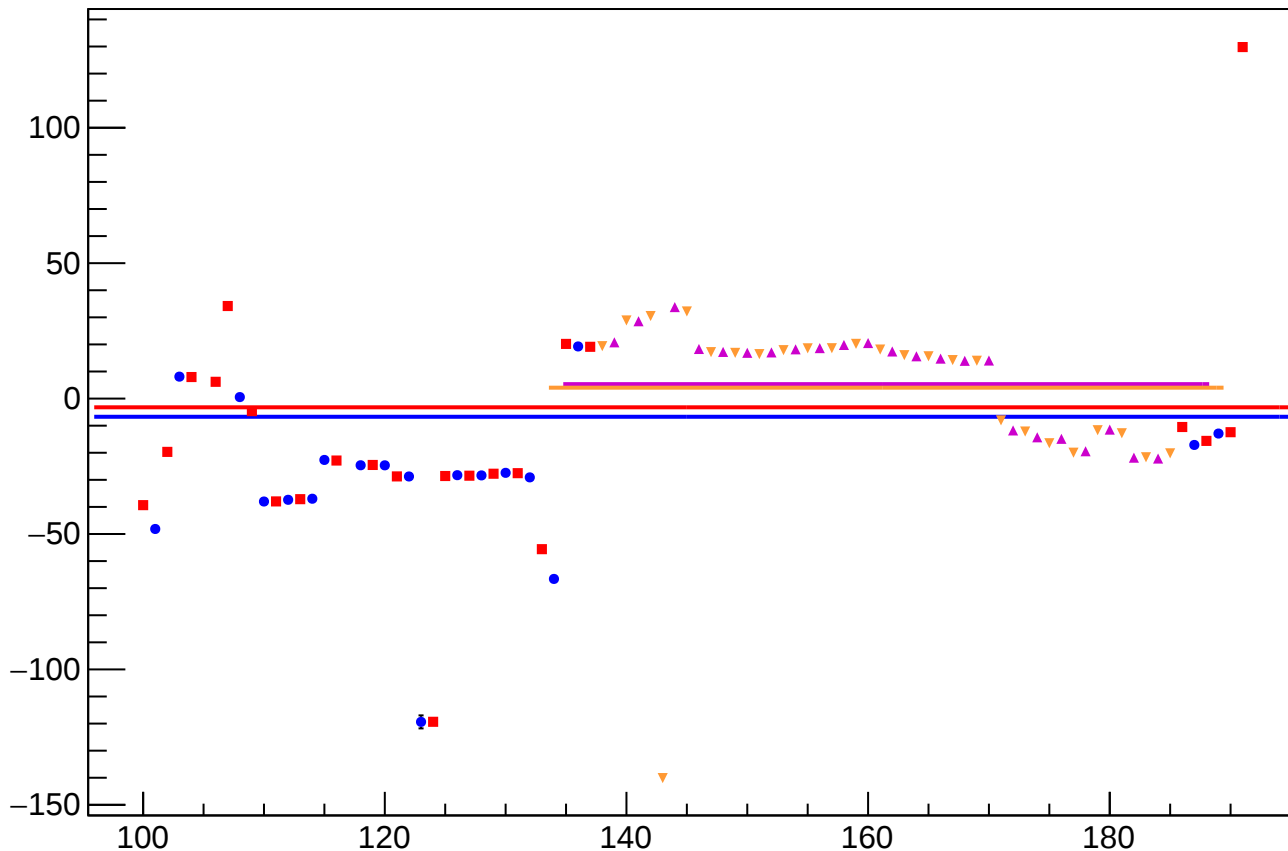
Right: 17.209 $\pm$ 0.596 χ^2/NDF : 2397.1/41

In: 6.173 $\pm$ 0.335 χ^2/NDF : 3640.7/41

Out: 5.455 $\pm$ 0.327 χ^2/NDF : 3927.0/47

All: 5.805 $\pm$ 0.234 χ^2/NDF : 7570.0/89

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.714 ± 0.045 χ^2/NDF : 265654.1/18

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -3.219 ± 0.043 χ^2/NDF : 339736.7/22

Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

Left: 4.678 ± 0.012 χ^2/NDF : 2464153.9/47

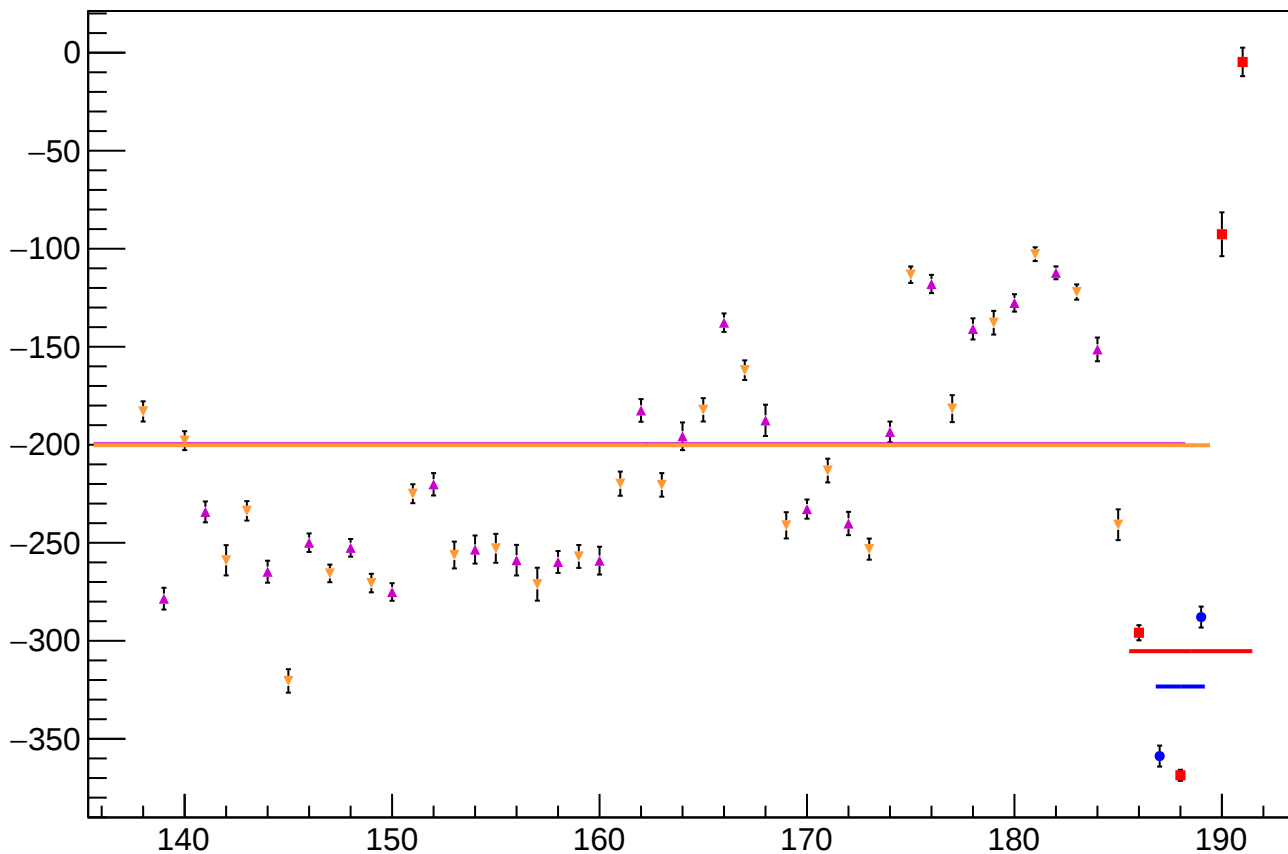
Right: -4.870 ± 0.031 χ^2/NDF : 608557.5/41

In: 3.925 ± 0.015 χ^2/NDF : 1406450.2/41

Out: 3.098 ± 0.015 χ^2/NDF : 1747984.9/47

All: 3.507 ± 0.011 χ^2/NDF : 3155887.6/89

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -323.309 ± 3.785 χ^2/NDF : 87.8/1

Left Out: -200.228 ± 1.078 χ^2/NDF : 3225.0/24

Right Out: -305.279 ± 2.129 χ^2/NDF : 2579.6/3

Left In: -199.739 ± 1.097 χ^2/NDF : 2968.0/22

Left: -199.988 ± 0.769 χ^2/NDF : 6193.2/47

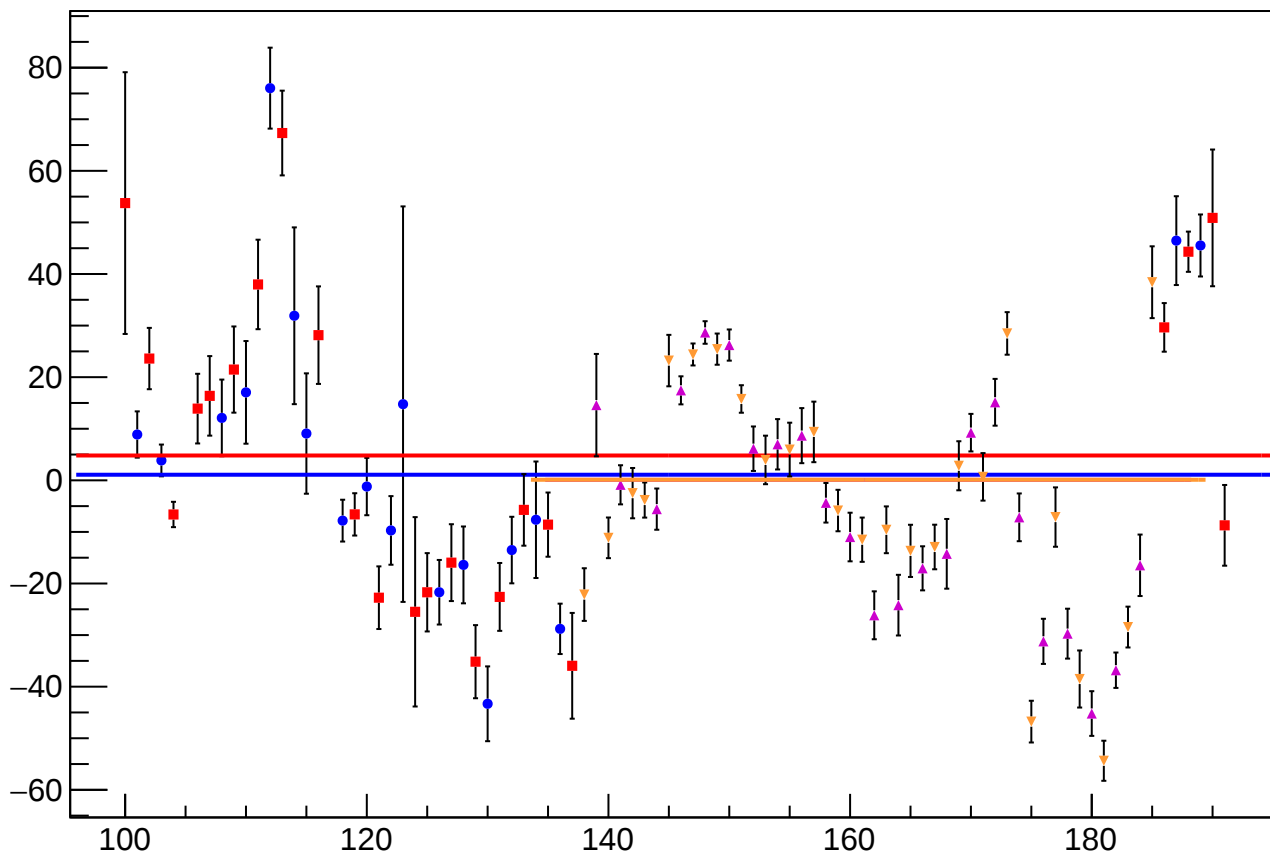
Right: -309.613 ± 1.856 χ^2/NDF : 2684.6/5

In: -209.320 ± 1.054 χ^2/NDF : 4038.8/24

Out: -221.658 ± 0.962 χ^2/NDF : 7742.5/28

All: -216.053 ± 0.710 χ^2/NDF : 11856.1/53

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.086+/-1.408 χ^2/NDF : 293.2/18

Left Out: 0.109+/-0.807 χ^2/NDF : 831.2/24

Right Out: 4.816+/-1.245 χ^2/NDF : 390.5/22

Left In: 0.097+/-0.838 χ^2/NDF : 715.5/22

Left: 0.103+/-0.581 χ^2/NDF : 1546.7/47

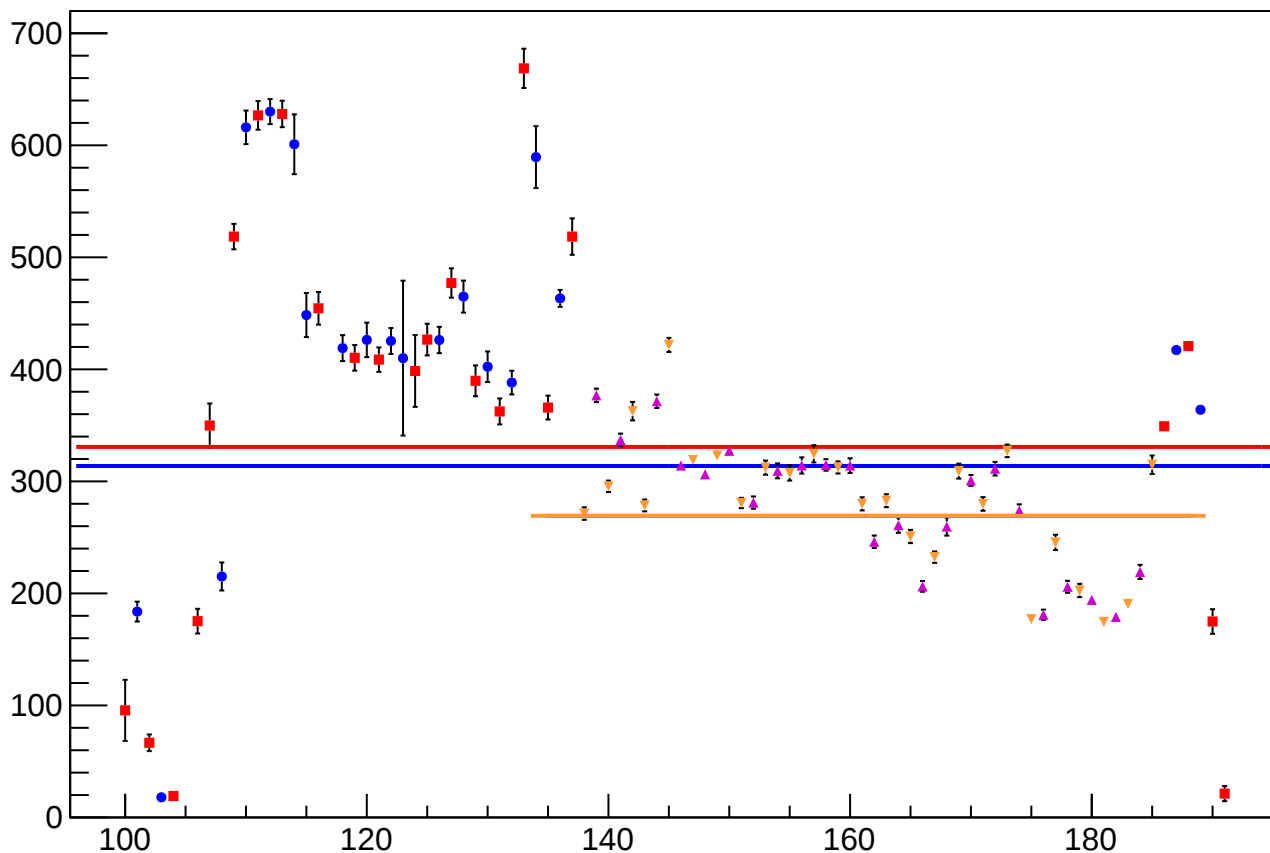
Right: 3.179+/-0.933 χ^2/NDF : 687.7/41

In: 0.356+/-0.720 χ^2/NDF : 1009.0/41

Out: 1.501+/-0.677 χ^2/NDF : 1231.8/47

All: 0.963+/-0.493 χ^2/NDF : 2242.2/89

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 313.745 $\pm$ 1.949 χ^2 /NDF: 8679.8/18

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 330.775 $\pm$ 1.418 χ^2 /NDF: 12933.5/22

Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

Left: 269.235 $\pm$ 0.767 χ^2 /NDF: 6316.9/47

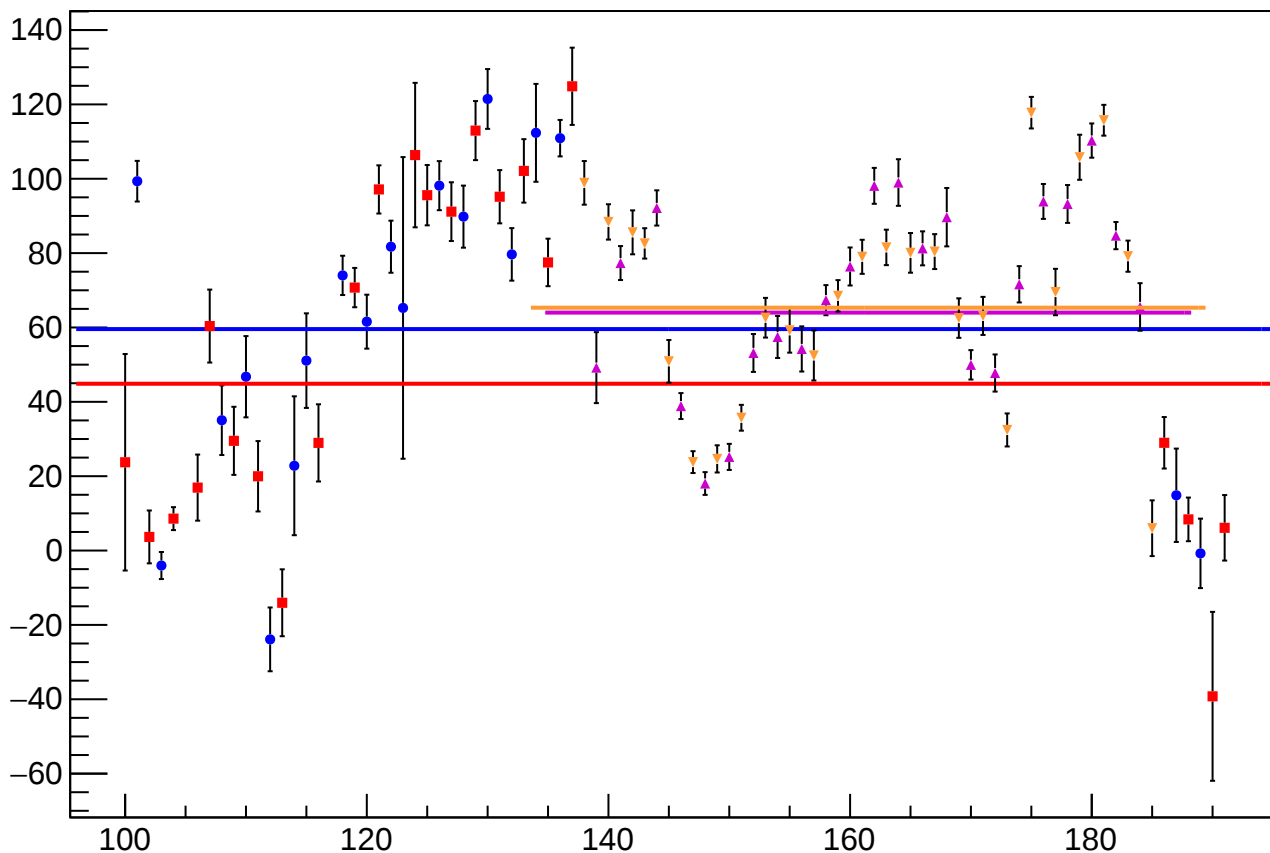
Right: 324.881 $\pm$ 1.146 χ^2 /NDF: 21663.3/41

In: 279.816 $\pm$ 0.952 χ^2 /NDF:12248.0/41

Out: 291.796 $\pm$ 0.858 χ^2 /NDF:17272.8/47

All: 286.425 $\pm$ 0.637 χ^2 /NDF: 29608.2/89

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 59.567 $\pm$ 1.655 χ^2 /NDF: 778.0/18

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF:1007.1/24

Right Out: 44.865 $\pm$ 1.517 χ^2 /NDF: 742.1/22

Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

Left: 64.681 $\pm$ 0.671 χ^2 /NDF: 1807.5/47

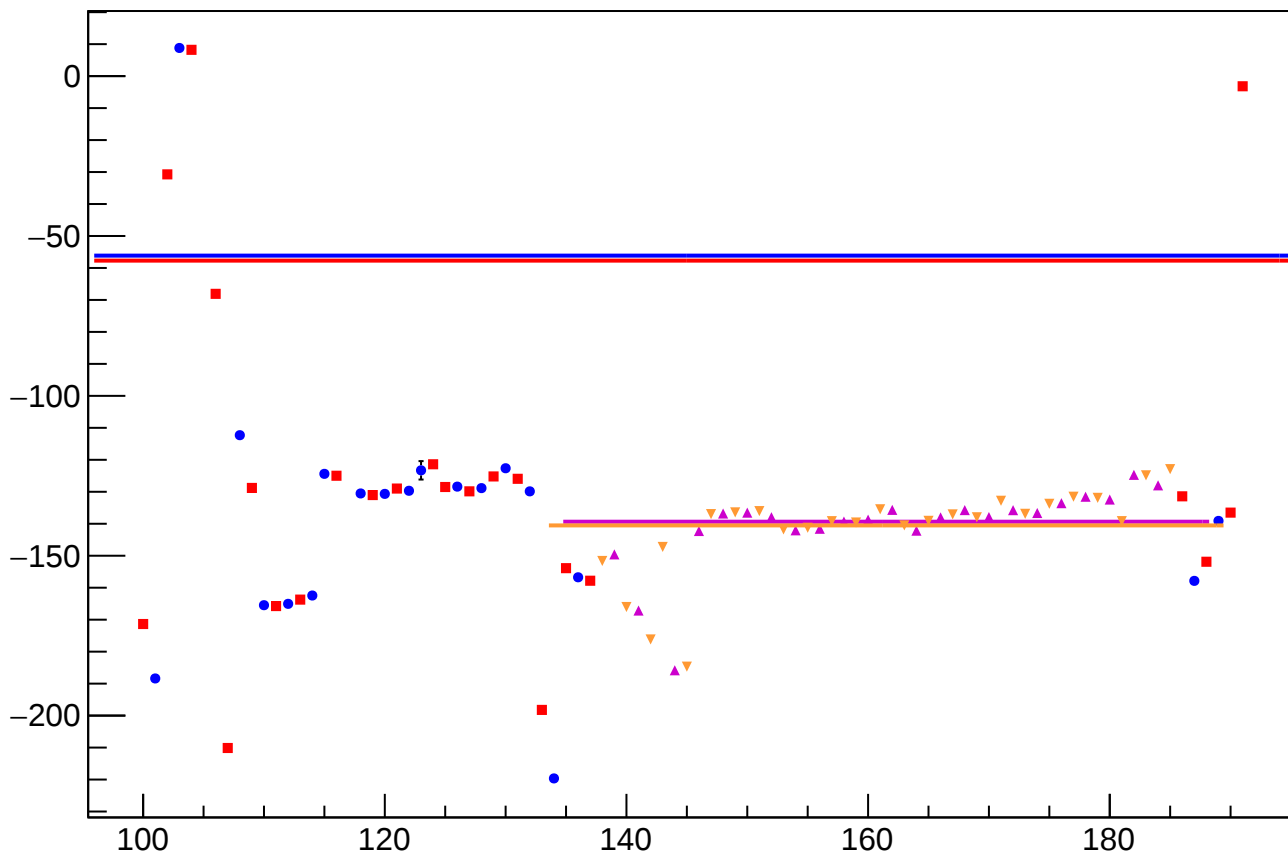
Right: 51.577 $\pm$ 1.118 χ^2 /NDF: 1563.0/41

In: 62.878 $\pm$ 0.832 χ^2 /NDF:1582.8/41

Out: 59.692 $\pm$ 0.796 χ^2 /NDF:1881.1/47

All: 61.214 $\pm$ 0.575 χ^2 /NDF: 3471.6/89

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -56.140 $\pm$ 0.069 χ^2 /NDF: 1279066.0/18

Left Out: -140.519 $\pm$ 0.045 χ^2 /NDF: 77489.0/24

Right Out: -57.703 $\pm$ 0.066 χ^2 /NDF: 1141466.3/22

Left In: -139.360 $\pm$ 0.045 χ^2 /NDF: 62449.0/22

Left: -139.945 $\pm$ 0.032 χ^2 /NDF: 140272.6/47

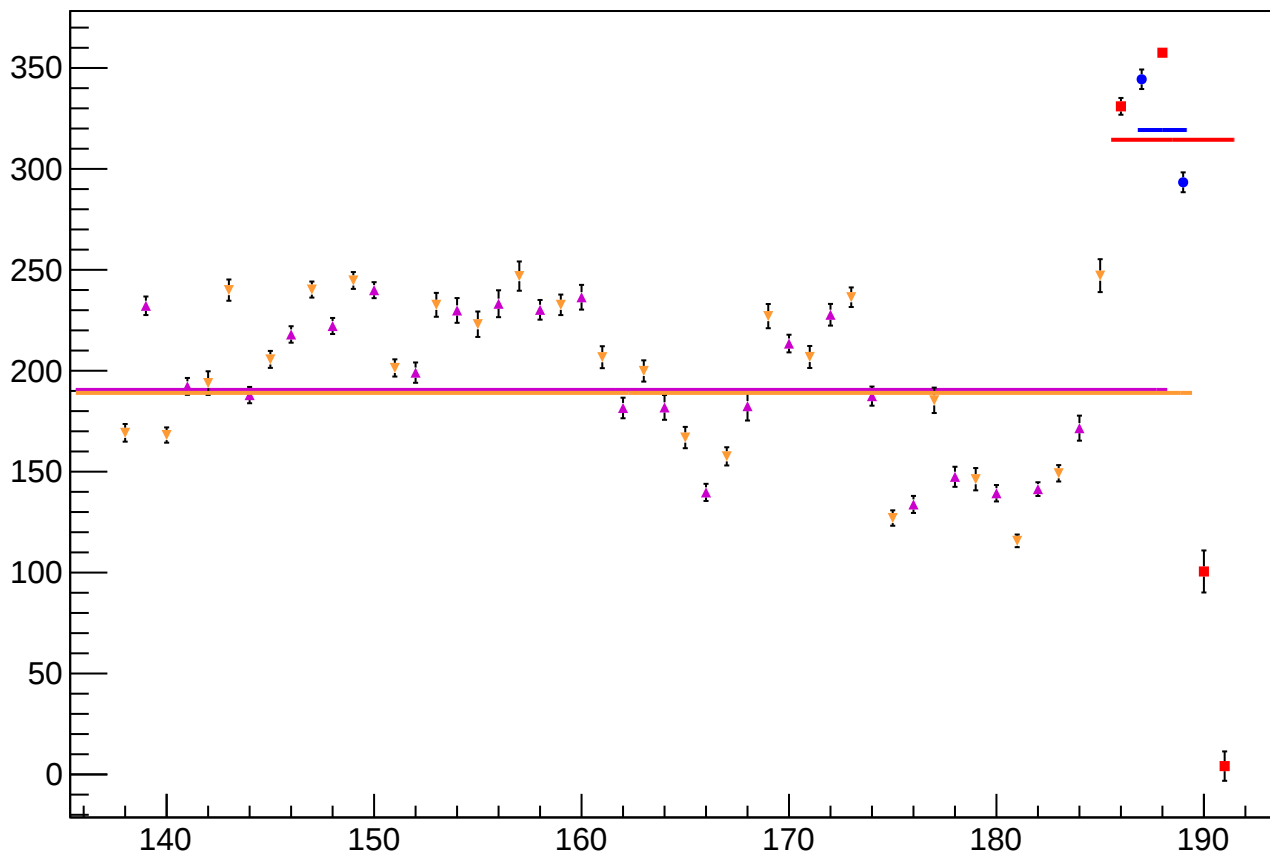
Right: -56.954 $\pm$ 0.048 χ^2 /NDF: 2420797.1/41

In: -114.668 $\pm$ 0.038 χ^2 /NDF: 2355801.6/41

Out: -114.859 $\pm$ 0.037 χ^2 /NDF: 2289502.3/47

All: -114.766 $\pm$ 0.026 χ^2 /NDF: 4645316.9/89

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 319.276 $\pm$ 3.448 χ^2 /NDF: 54.8/1

Left Out: 189.030 $\pm$ 0.956 χ^2 /NDF:1980.9/24

Right Out: 314.434 $\pm$ 2.019 χ^2 /NDF: 2551.8/3

Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

Left: 189.753 $\pm$ 0.683 χ^2 /NDF: 3394.8/47

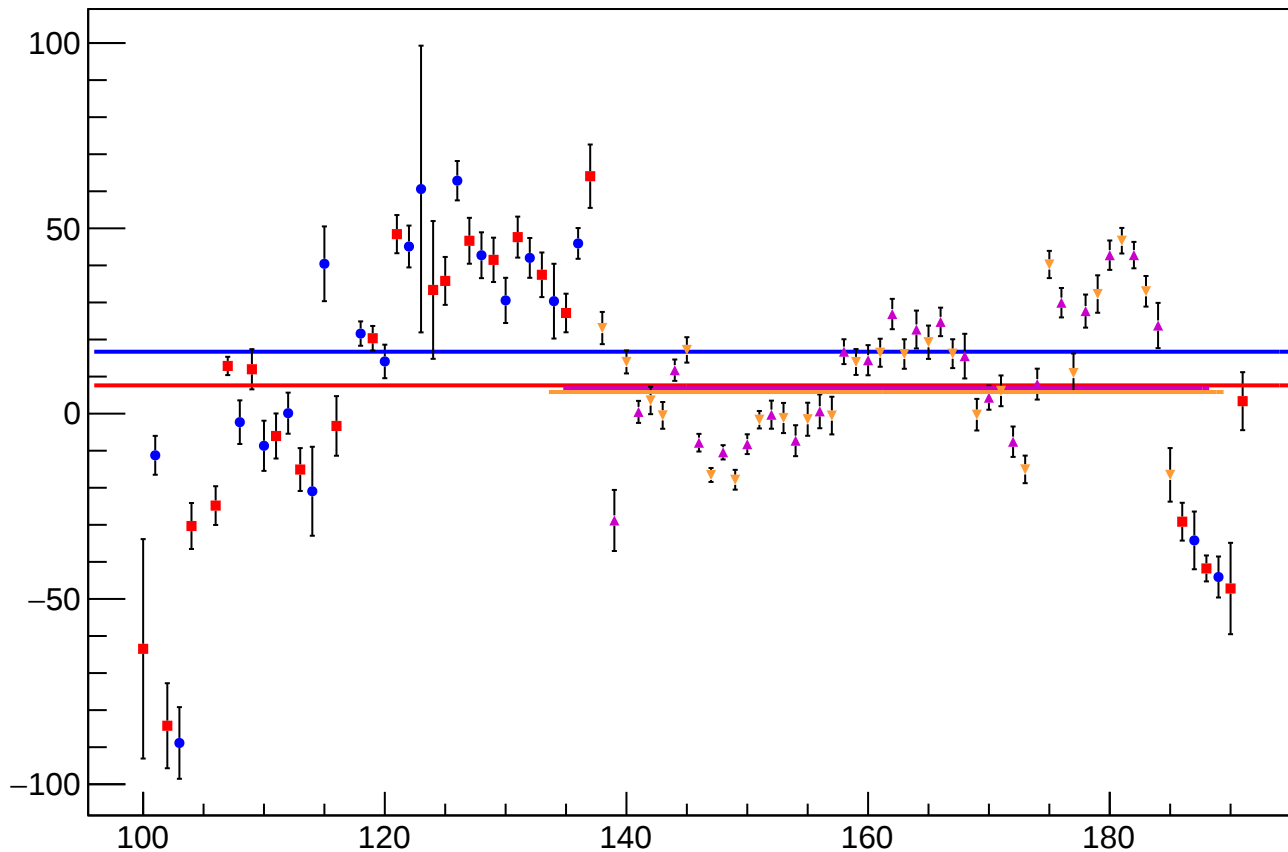
Right: 315.670 $\pm$ 1.742 χ^2 /NDF: 2608.0/5

In: 200.040 $\pm$ 0.938 χ^2 /NDF:2758.7/24

Out: 211.994 $\pm$ 0.864 χ^2 /NDF:7684.5/28

All: 206.509 $\pm$ 0.636 χ^2 /NDF: 10531.0/53

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.709 ± 1.335 $\chi^2/\text{NDF}: 561.1/18$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 7.627 ± 1.114 $\chi^2/\text{NDF}: 749.2/22$

Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

Left: 6.331 ± 0.512 $\chi^2/\text{NDF}: 1176.0/47$

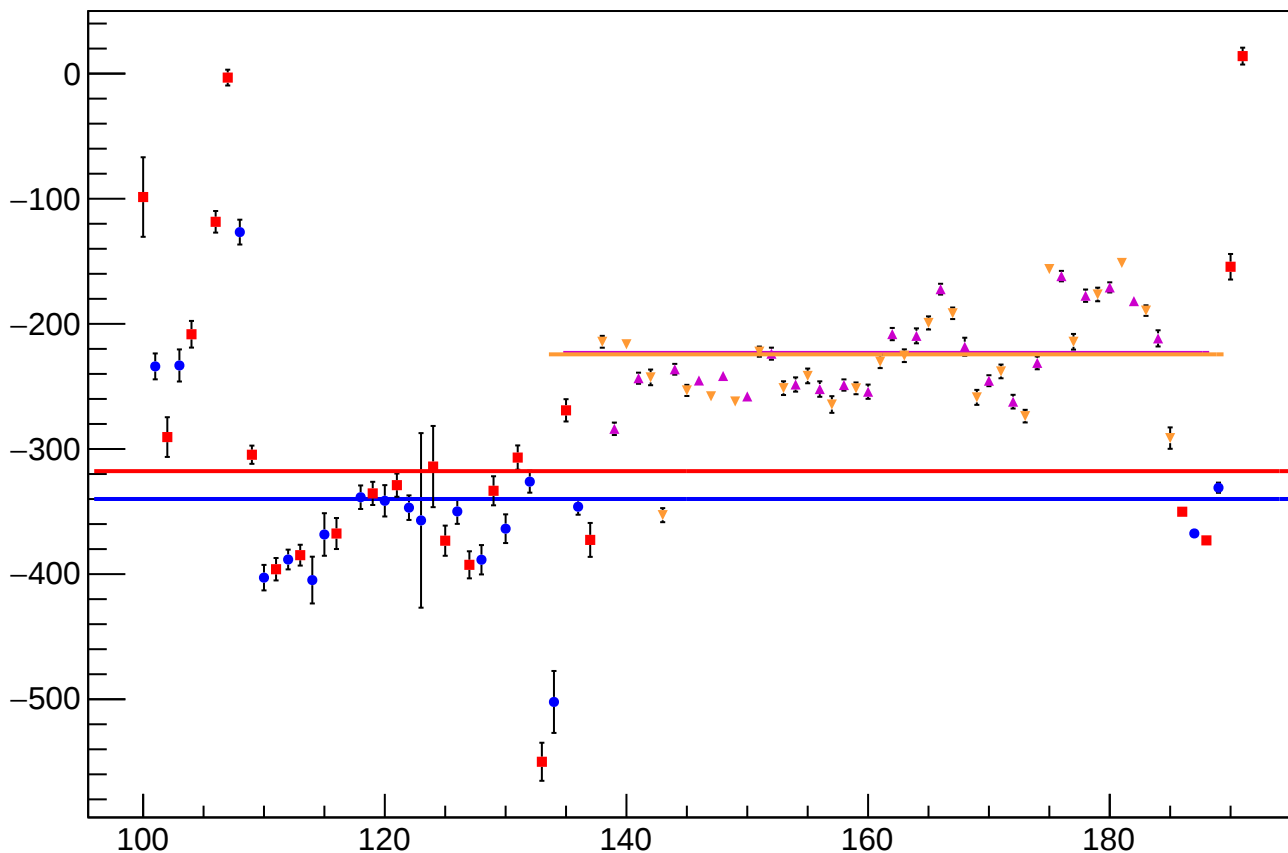
Right: 11.355 ± 0.856 $\chi^2/\text{NDF}: 1337.6/41$

In: 9.157 ± 0.645 $\chi^2/\text{NDF}: 1125.6/41$

Out: 6.354 ± 0.600 $\chi^2/\text{NDF}: 1403.3/47$

All: 7.656 ± 0.439 $\chi^2/\text{NDF}: 2539.0/89$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -339.957+/-1.913 χ^2/NDF : 848.4/18

Left Out: -224.364+/-0.956 χ^2/NDF :2103.2/24

Right Out: -317.691+/-1.343 χ^2/NDF : 7214.5/22

Left In: -223.223+/-0.969 χ^2/NDF :1269.3/22

Left: -223.801+/-0.681 χ^2/NDF : 3373.2/47

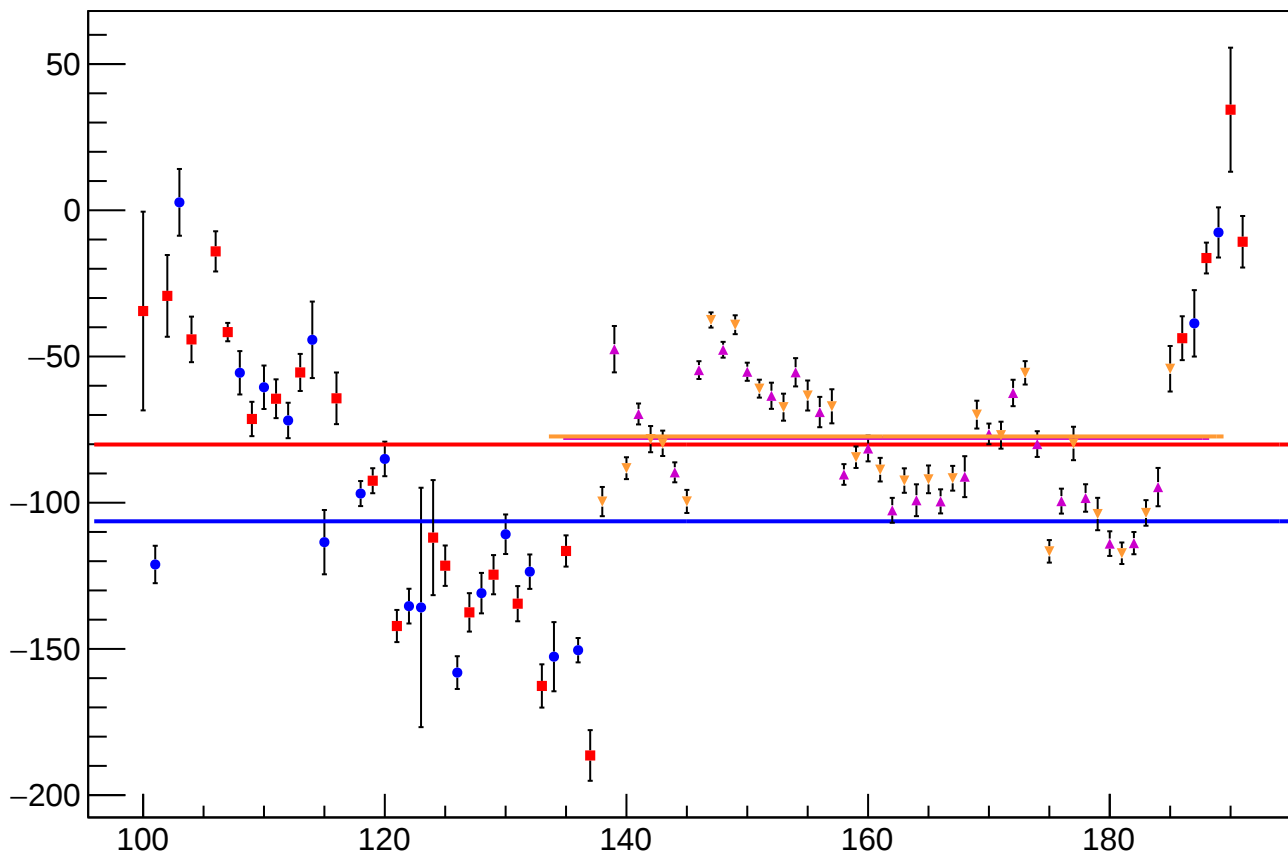
Right: -325.041+/-1.099 χ^2/NDF : 8153.6/41

In: -247.060+/-0.865 χ^2/NDF :5080.1/41

Out: -255.749+/-0.779 χ^2/NDF :12522.5/47

All: -251.857+/-0.579 χ^2/NDF : 17658.4/89

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.356 ± 1.559 χ^2/NDF : 681.8/18

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -80.098 ± 1.343 χ^2/NDF : 1264.0/22

Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

Left: -77.584 ± 0.592 χ^2/NDF : 1469.2/47

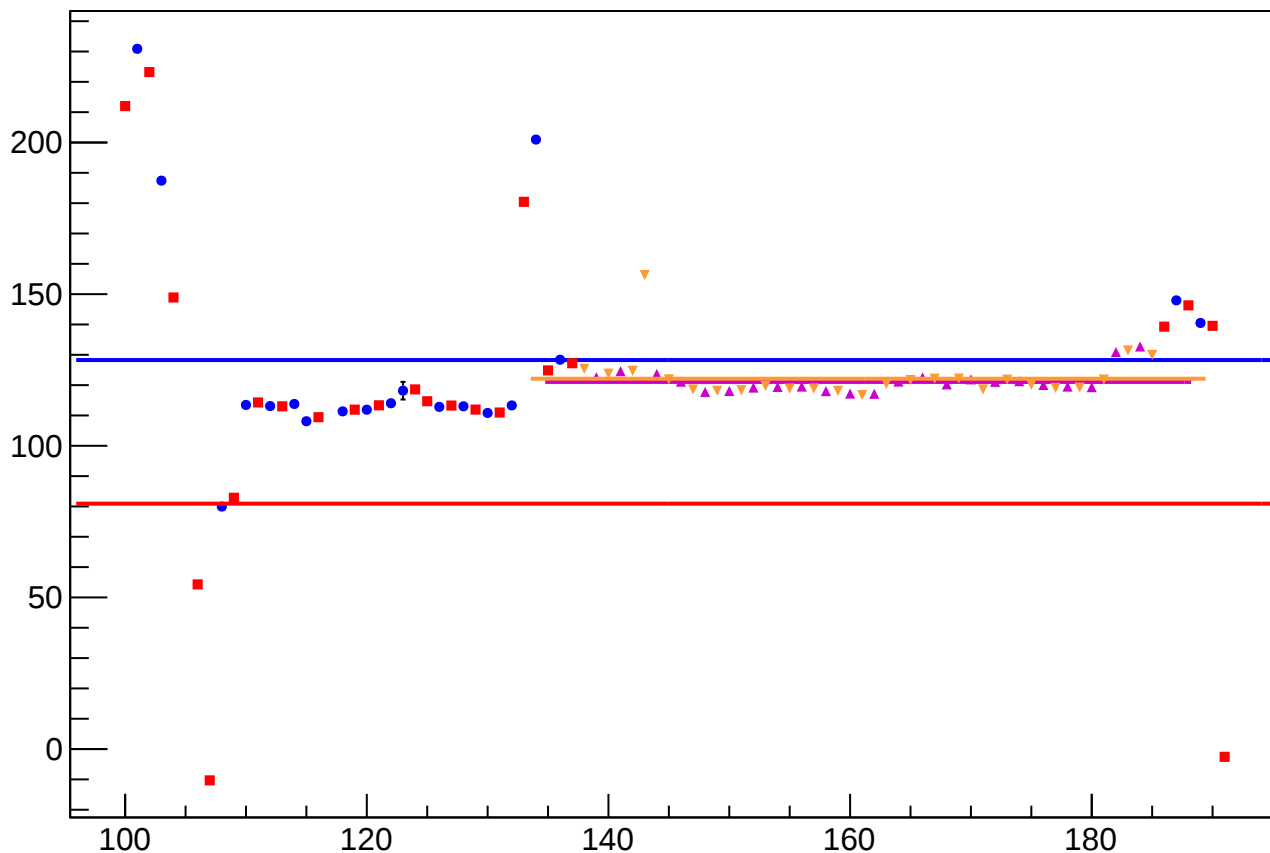
Right: -91.284 ± 1.017 χ^2/NDF : 2108.6/41

In: -84.359 ± 0.745 χ^2/NDF : 1562.7/41

Out: -78.100 ± 0.704 χ^2/NDF : 2113.3/47

All: -81.051 ± 0.512 χ^2/NDF : 3713.3/89

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 128.275+/-0.087 χ^2/NDF : 189590.4/18

Left Out: 122.119+/-0.039 χ^2/NDF :30480.7/24

Right Out: 80.919+/-0.069 χ^2/NDF : 957282.7/22

Left In: 121.055+/-0.040 χ^2/NDF :7931.6/22

Left: 121.591+/-0.028 χ^2/NDF : 38773.7/47

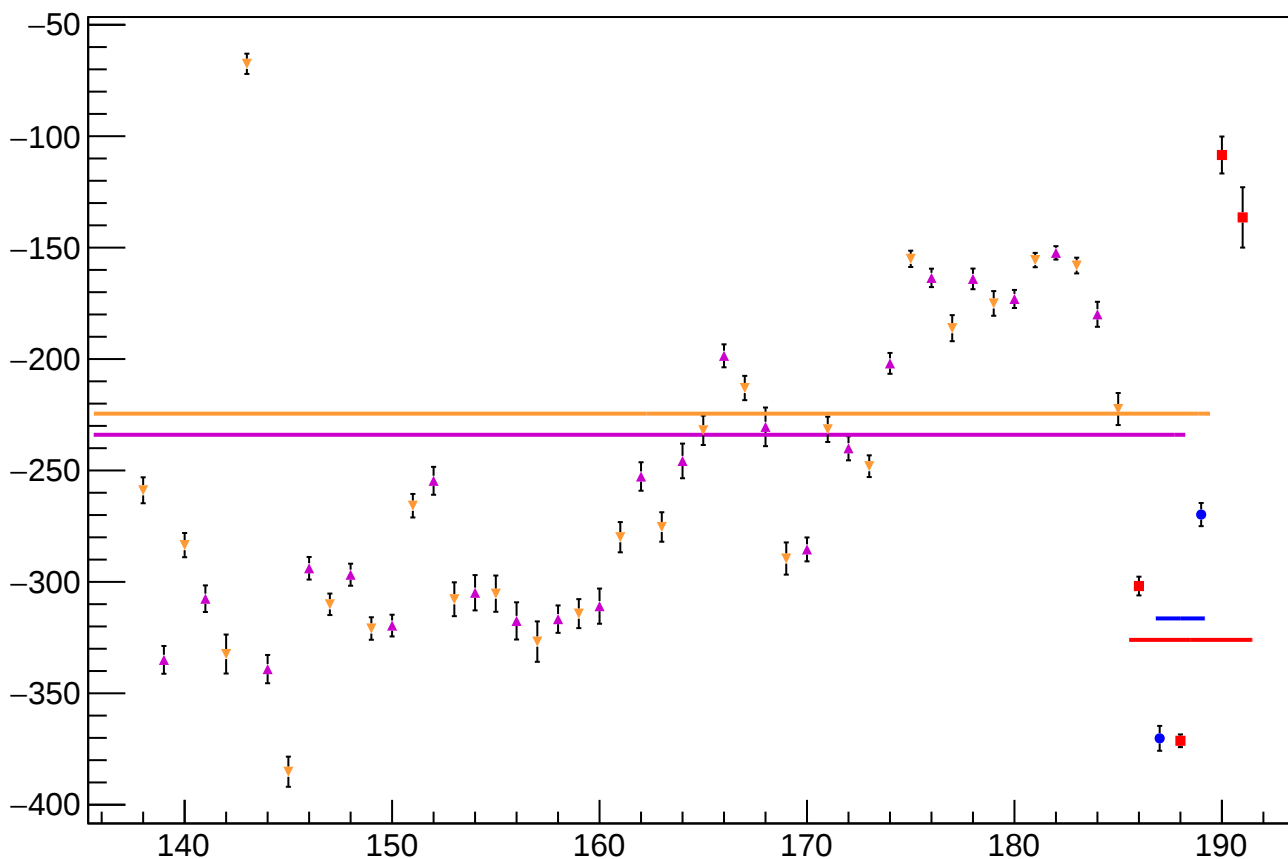
Right: 99.191+/-0.054 χ^2/NDF : 1329463.9/41

In: 122.305+/-0.036 χ^2/NDF :203236.1/41

Out: 111.948+/-0.034 χ^2/NDF :1257524.8/47

All: 116.843+/-0.025 χ^2/NDF : 1504088.5/89

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -316.399+/-3.804 χ^2/NDF : 173.3/1

Left Out: -224.501+/-1.079 χ^2/NDF : 4870.6/24

Right Out: -326.015+/-2.239 χ^2/NDF : 1169.9/3

Left In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

Left: -229.116+/-0.773 χ^2/NDF : 8446.6/47

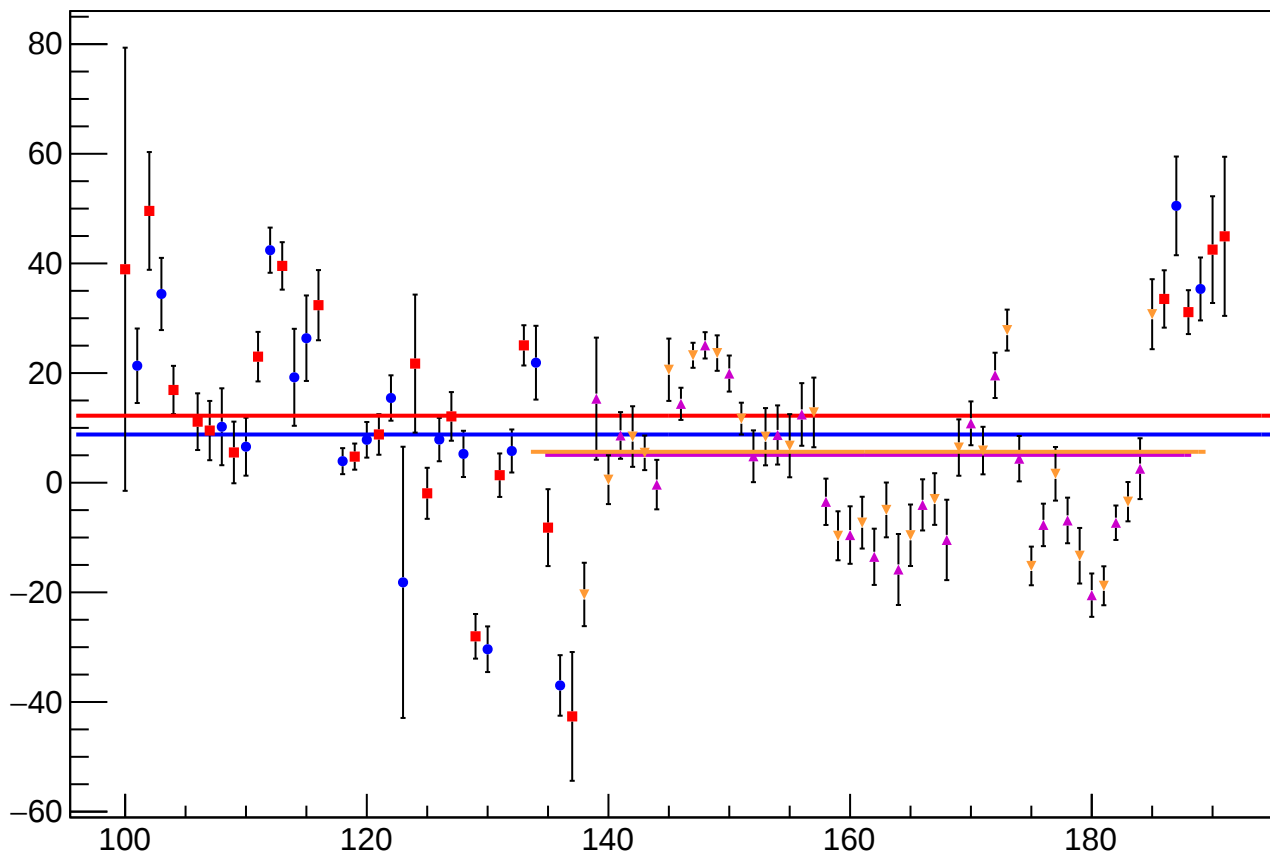
Right: -323.541+/-1.930 χ^2/NDF : 1348.0/5

In: -240.438+/-1.064 χ^2/NDF : 4144.2/24

Out: -243.637+/-0.972 χ^2/NDF : 7708.9/28

All: -242.182+/-0.718 χ^2/NDF : 11858.0/53

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.794 ± 1.077 χ^2/NDF : 305.1/18

Left Out: 5.638 ± 0.828 χ^2/NDF : 313.6/24

Right Out: 12.225 ± 1.009 χ^2/NDF : 292.7/22

Left In: 5.077 ± 0.869 χ^2/NDF : 239.7/22

Left: 5.371 ± 0.599 χ^2/NDF : 553.6/47

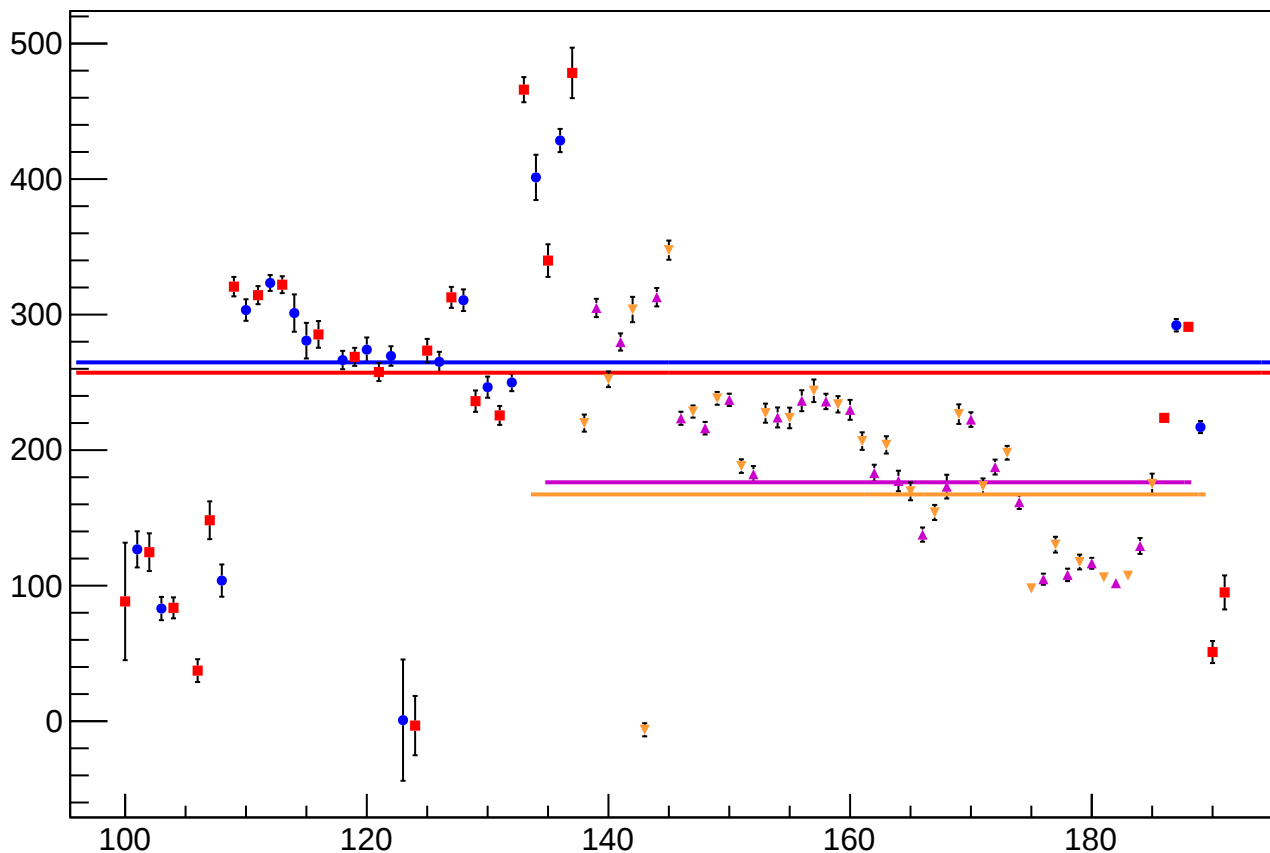
Right: 10.623 ± 0.736 χ^2/NDF : 603.2/41

In: 6.542 ± 0.676 χ^2/NDF : 552.0/41

Out: 8.290 ± 0.640 χ^2/NDF : 631.8/47

All: 7.464 ± 0.465 χ^2/NDF : 1187.3/89

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 264.754 $\pm$ 1.750 χ^2 /NDF: 1533.3/18

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF: 4454.5/24

Right Out: 257.130 $\pm$ 1.344 χ^2 /NDF: 3664.0/22

Left In: 176.272 $\pm$ 1.106 χ^2 /NDF: 3169.5/22

Left: 171.704 $\pm$ 0.774 χ^2 /NDF: 7657.4/47

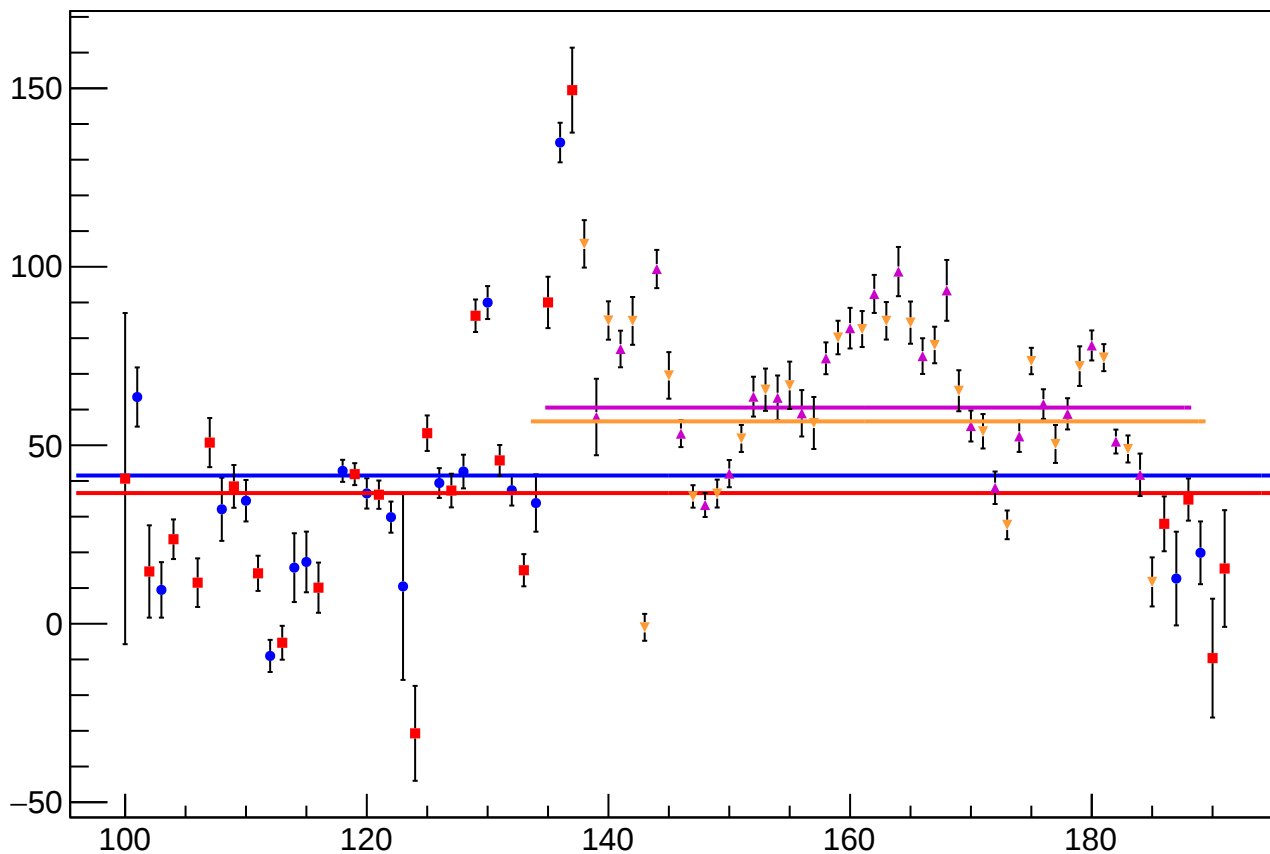
Right: 259.958 $\pm$ 1.066 χ^2 /NDF: 5209.3/41

In: 201.516 $\pm$ 0.935 χ^2 /NDF: 6529.8/41

Out: 202.666 $\pm$ 0.843 χ^2 /NDF: 10826.8/47

All: 202.150 $\pm$ 0.626 χ^2 /NDF: 17357.4/89

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.525 $\pm$ 1.258 χ^2 /NDF: 584.3/18

Left Out: 56.695 $\pm$ 0.952 χ^2 /NDF: 690.4/24

Right Out: 36.609 $\pm$ 1.190 χ^2 /NDF: 481.6/22

Left In: 60.555 $\pm$ 0.990 χ^2 /NDF: 335.6/22

Left: 58.548 $\pm$ 0.686 χ^2 /NDF: 1034.0/47

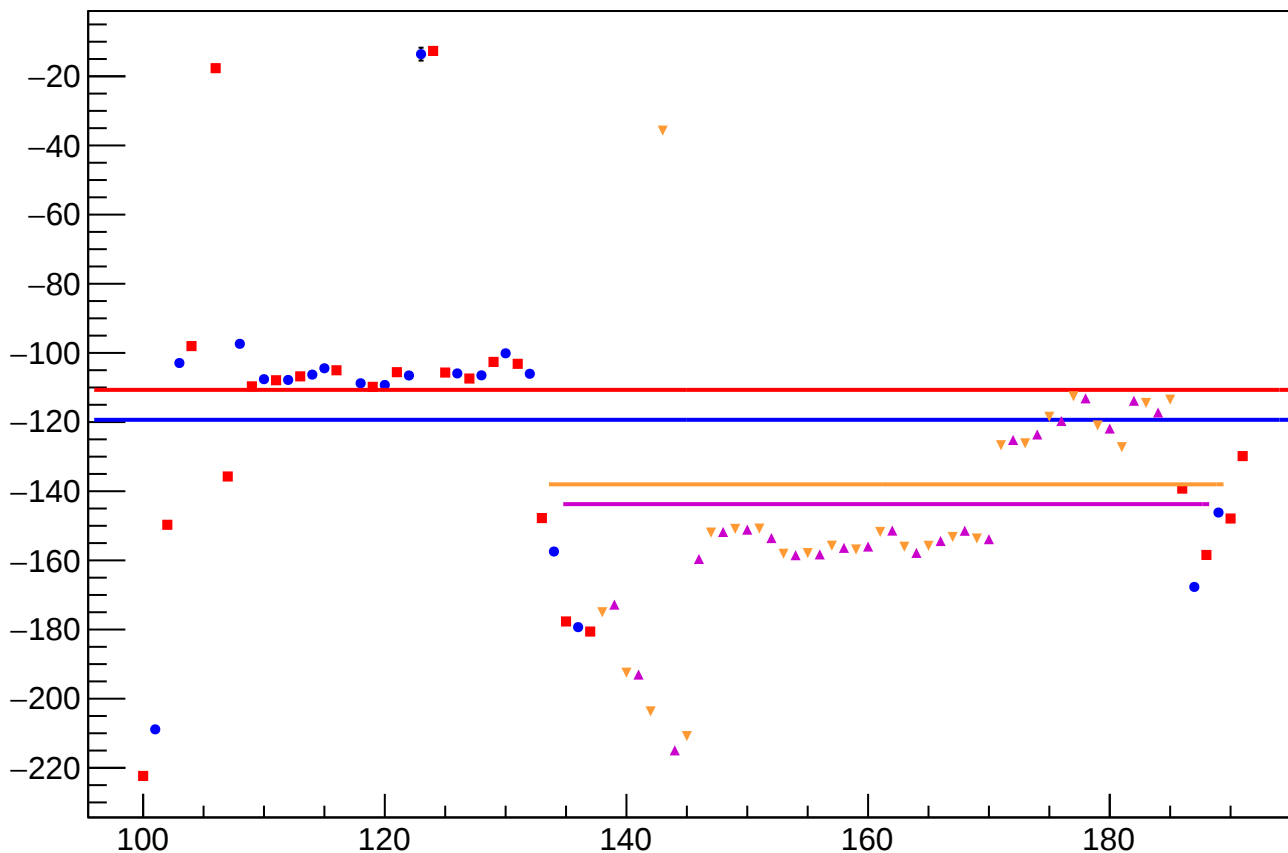
Right: 38.931 $\pm$ 0.864 χ^2 /NDF: 1074.0/41

In: 53.272 $\pm$ 0.778 χ^2 /NDF: 1061.3/41

Out: 48.856 $\pm$ 0.743 χ^2 /NDF: 1345.8/47

All: 50.964 $\pm$ 0.537 χ^2 /NDF: 2424.0/89

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -119.347+/-0.077 χ^2/NDF : 151534.3/18

Left Out: -138.008+/-0.045 χ^2/NDF : 565767.2/24

Right Out: -110.687+/-0.069 χ^2/NDF : 365532.9/22

Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

Left: -140.811+/-0.032 χ^2/NDF : 832055.2/47

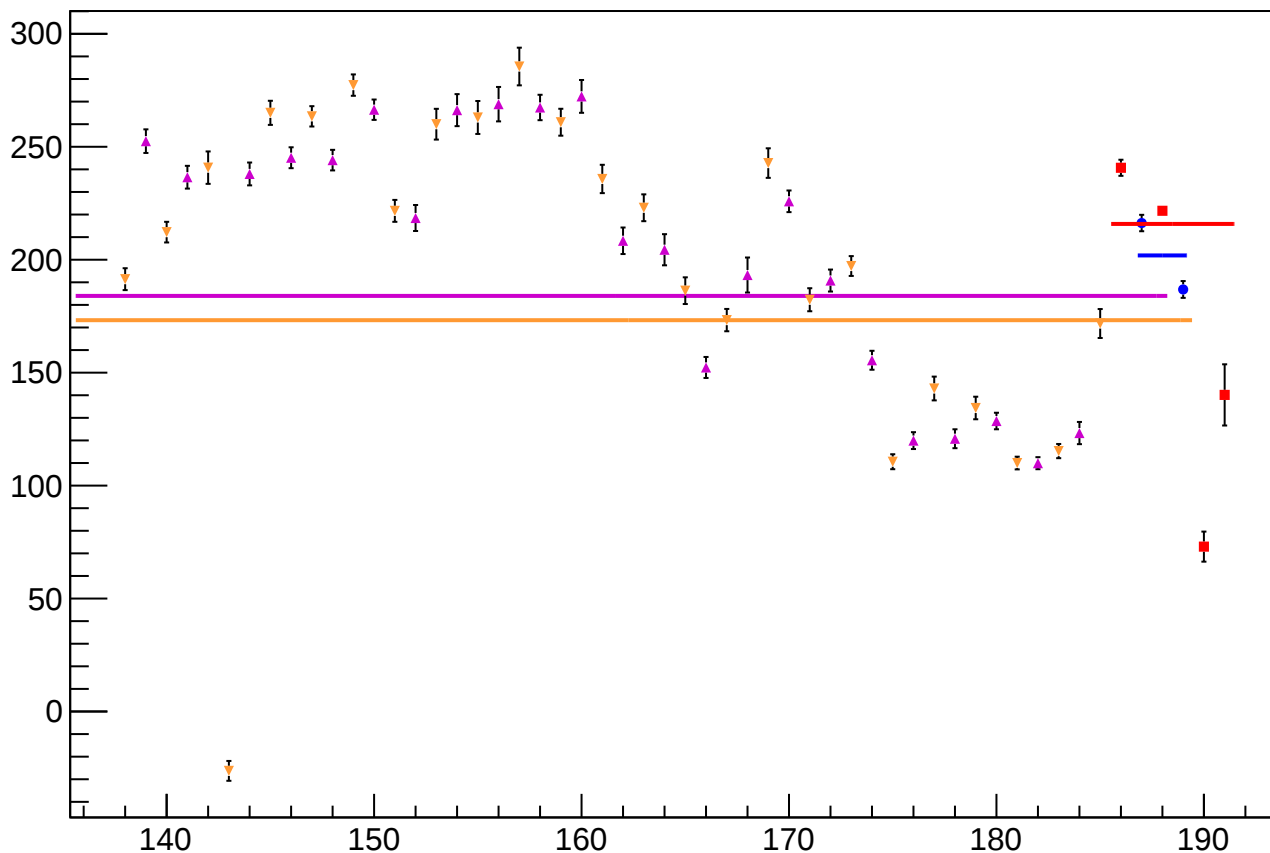
Right: -114.540+/-0.051 χ^2/NDF : 524158.4/41

In: -137.253+/-0.039 χ^2/NDF : 484338.6/41

Out: -129.755+/-0.038 χ^2/NDF : 1042022.6/47

All: -133.329+/-0.027 χ^2/NDF : 1545215.6/89

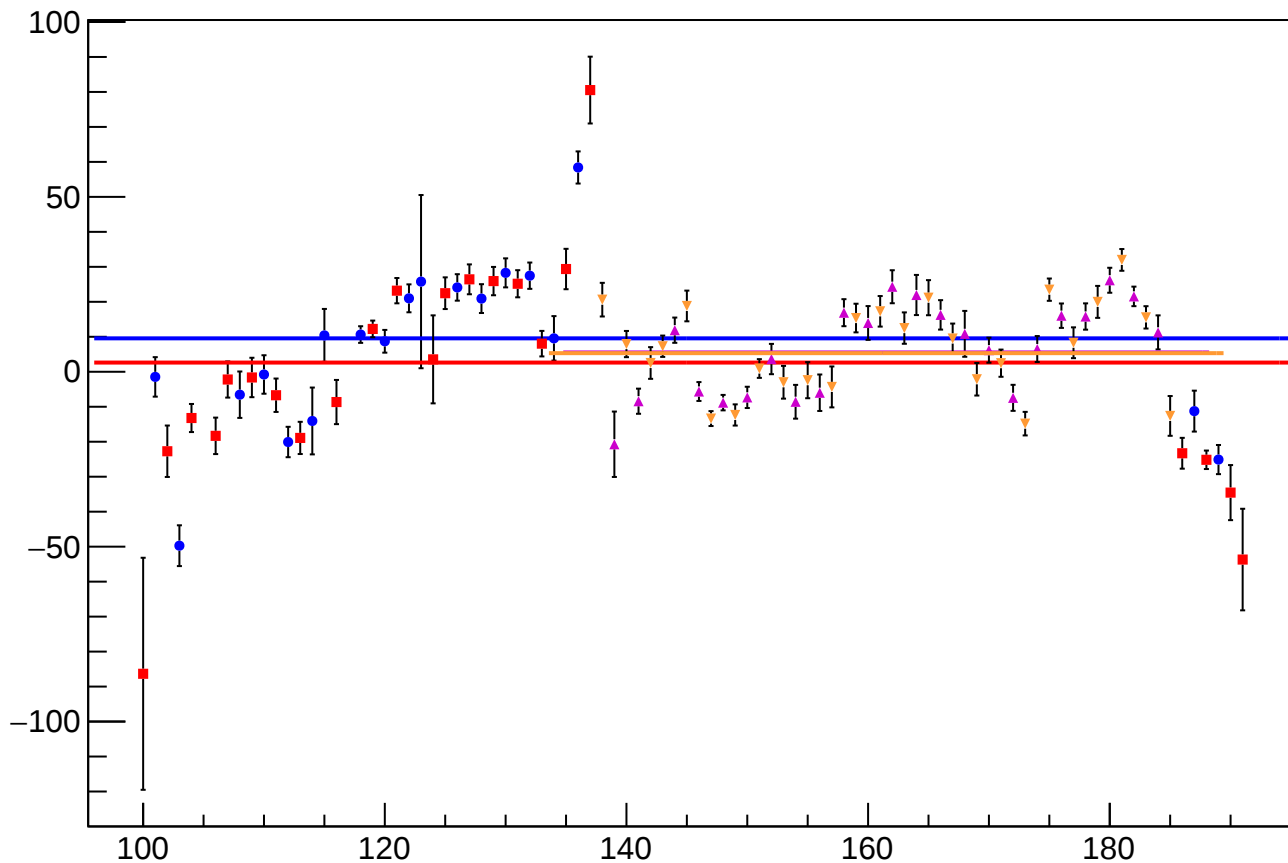
reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 201.898 $\pm$ 2.599 χ^2 /NDF: 32.0/1
 Left Out: 173.229 $\pm$ 0.966 χ^2 /NDF: 5846.0/24
 Right Out: 215.845 $\pm$ 1.591 χ^2 /NDF: 550.5/3
 Left In: 183.984 $\pm$ 0.991 χ^2 /NDF: 3613.7/22

Left: 178.467 $\pm$ 0.692 χ^2 /NDF: 9520.1/47
 Right: 212.041 $\pm$ 1.357 χ^2 /NDF: 603.5/5
 In: 186.258 $\pm$ 0.926 χ^2 /NDF: 3687.2/24
 Out: 184.697 $\pm$ 0.826 χ^2 /NDF: 6920.6/28
 All: 185.388 $\pm$ 0.616 χ^2 /NDF: 10609.4/53

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.555 ± 1.026 χ^2/NDF : 438.5/18

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: 2.631 ± 0.943 χ^2/NDF : 519.7/22

Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

Left: 5.420 ± 0.540 χ^2/NDF : 601.9/47

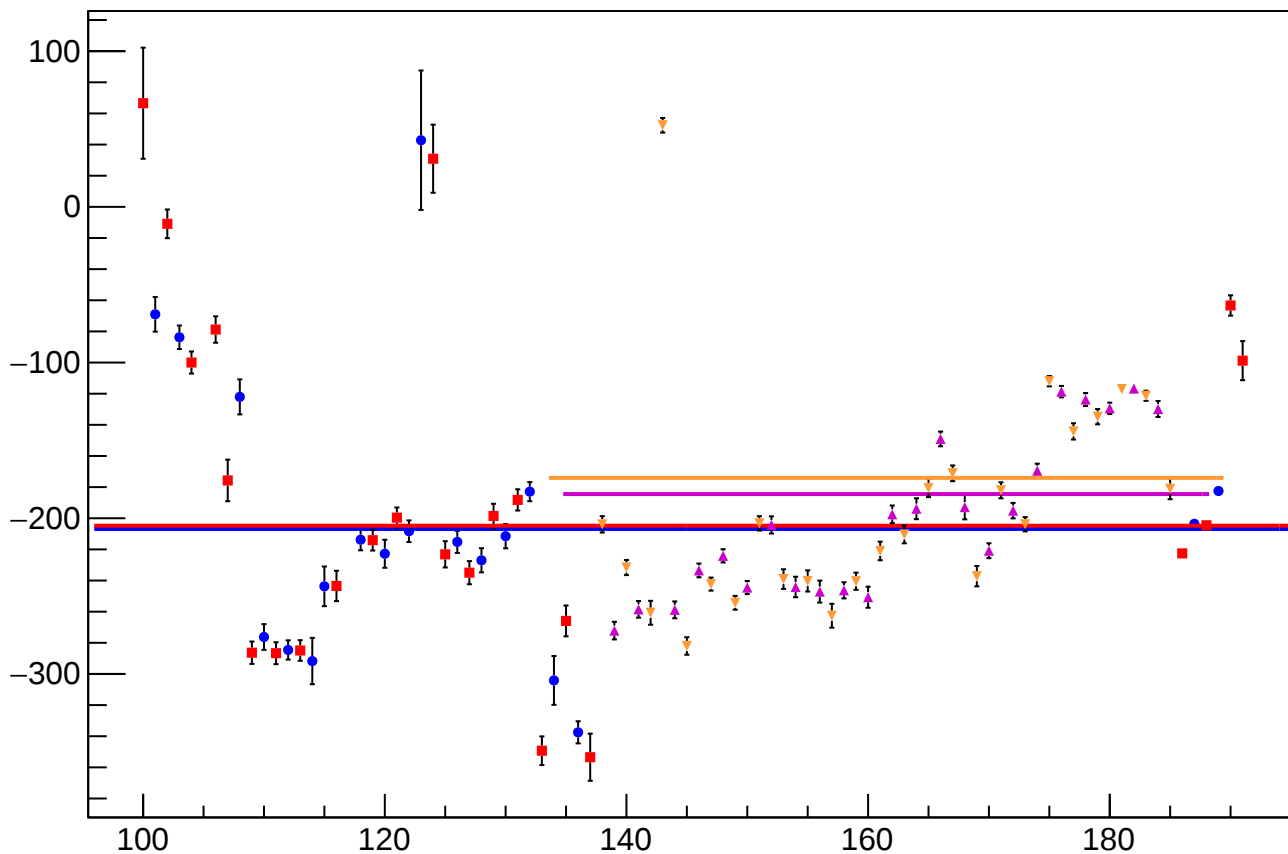
Right: 5.803 ± 0.694 χ^2/NDF : 982.9/41

In: 7.005 ± 0.621 χ^2/NDF : 704.6/41

Out: 4.284 ± 0.586 χ^2/NDF : 870.3/47

All: 5.564 ± 0.426 χ^2/NDF : 1585.0/89

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -206.871 ± 1.475 $\chi^2/\text{NDF}: 1241.4/18$

Left Out: -174.061 ± 0.971 $\chi^2/\text{NDF}: 5443.3/24$

Right Out: -204.785 ± 1.073 $\chi^2/\text{NDF}: 2477.2/22$

Left In: -184.456 ± 0.991 $\chi^2/\text{NDF}: 3051.6/22$

Left: -179.154 ± 0.693 $\chi^2/\text{NDF}: 8551.0/47$

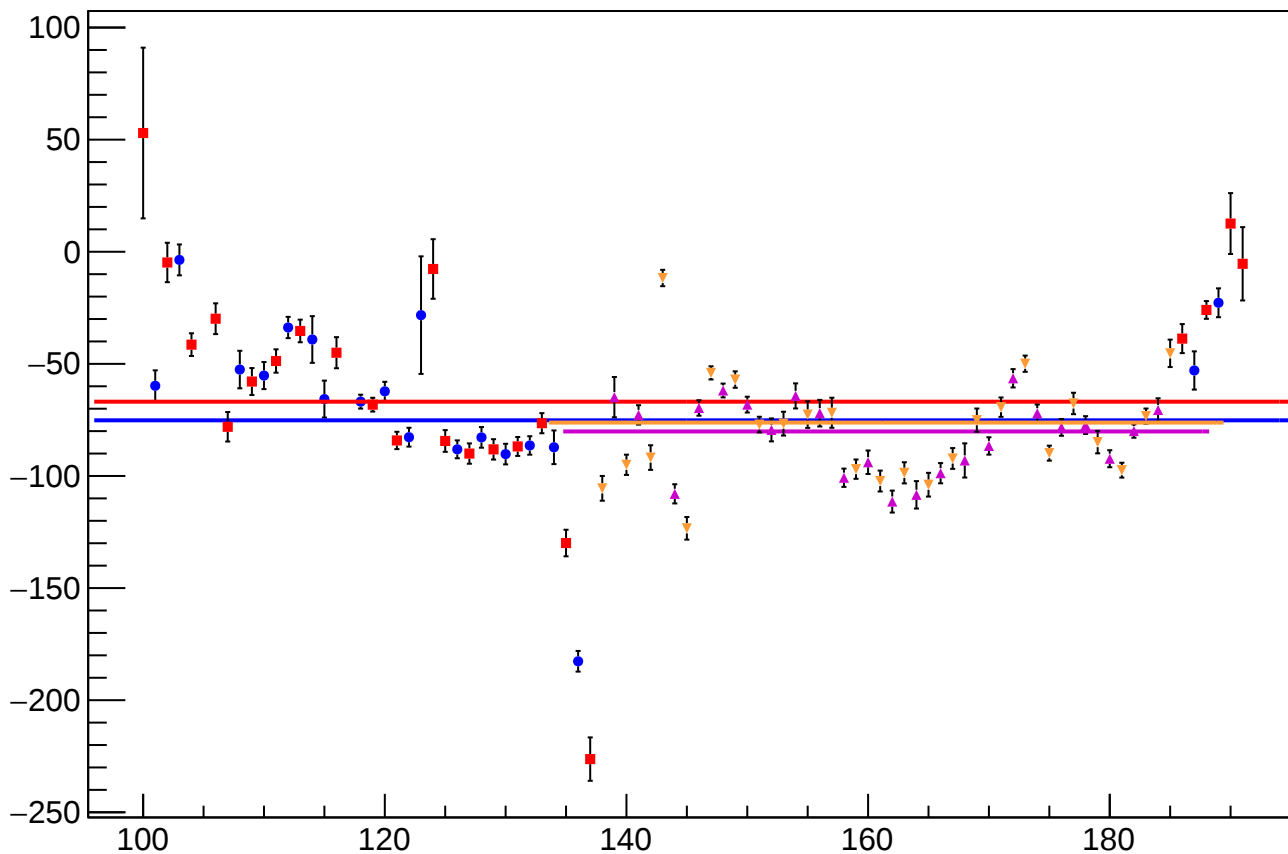
Right: -205.507 ± 0.868 $\chi^2/\text{NDF}: 3719.9/41$

In: -191.421 ± 0.822 $\chi^2/\text{NDF}: 4452.1/41$

Out: -187.884 ± 0.720 $\chi^2/\text{NDF}: 8371.1/47$

All: -189.419 ± 0.542 $\chi^2/\text{NDF}: 12833.6/89$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -75.182 ± 1.205 χ^2/NDF : 893.2/18

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -66.864 ± 1.131 χ^2/NDF : 867.2/22

Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

Left: -78.094 ± 0.617 χ^2/NDF : 1094.6/47

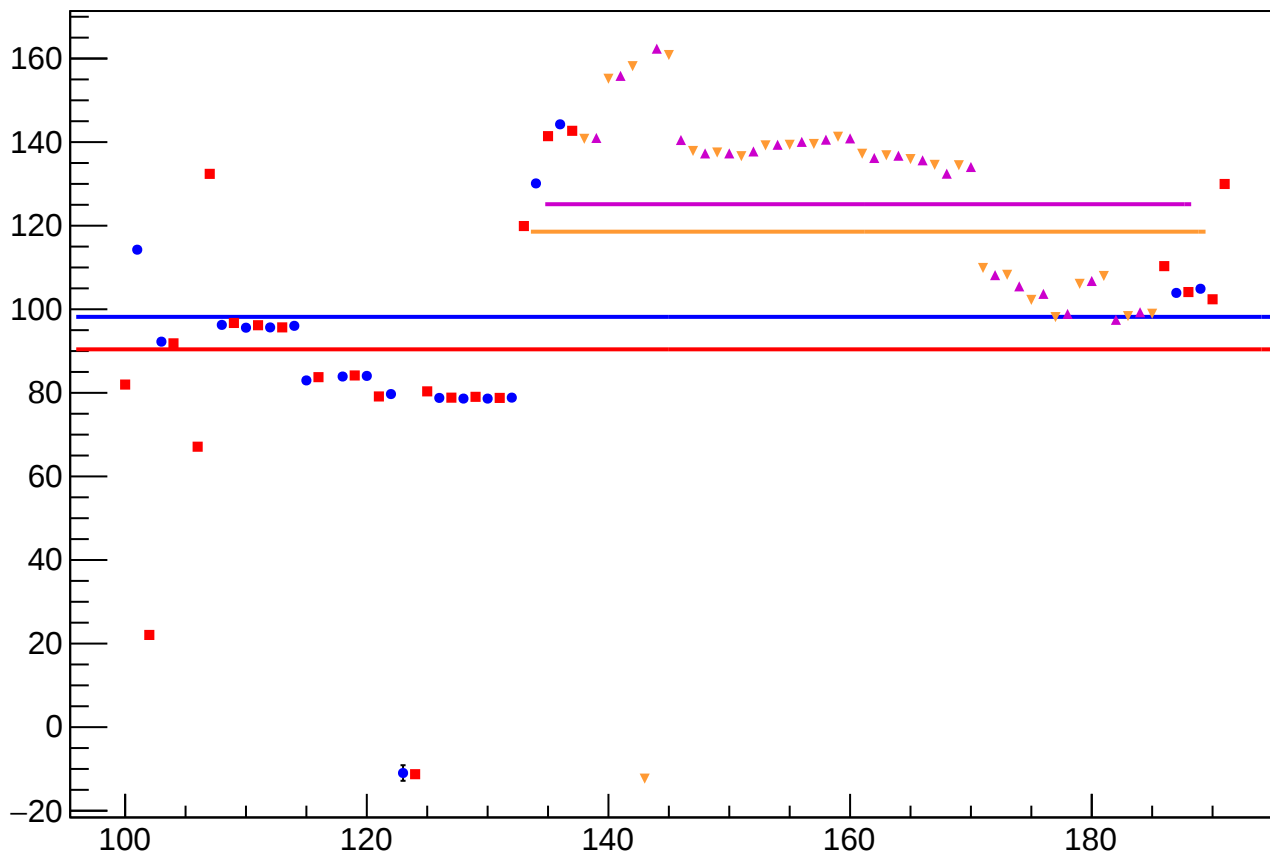
Right: -70.761 ± 0.825 χ^2/NDF : 1785.8/41

In: -78.398 ± 0.715 χ^2/NDF : 1187.5/41

Out: -72.783 ± 0.683 χ^2/NDF : 1711.3/47

All: -75.461 ± 0.494 χ^2/NDF : 2931.0/89

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.182 ± 0.071 $\chi^2/\text{NDF}: 94582.9/18$

Left Out: 118.569 ± 0.040 $\chi^2/\text{NDF}: 728689.7/24$

Right Out: 90.410 ± 0.063 $\chi^2/\text{NDF}: 237859.7/22$

Left In: 125.139 ± 0.041 $\chi^2/\text{NDF}: 220927.1/22$

Left: 121.790 ± 0.029 $\chi^2/\text{NDF}: 962526.8/47$

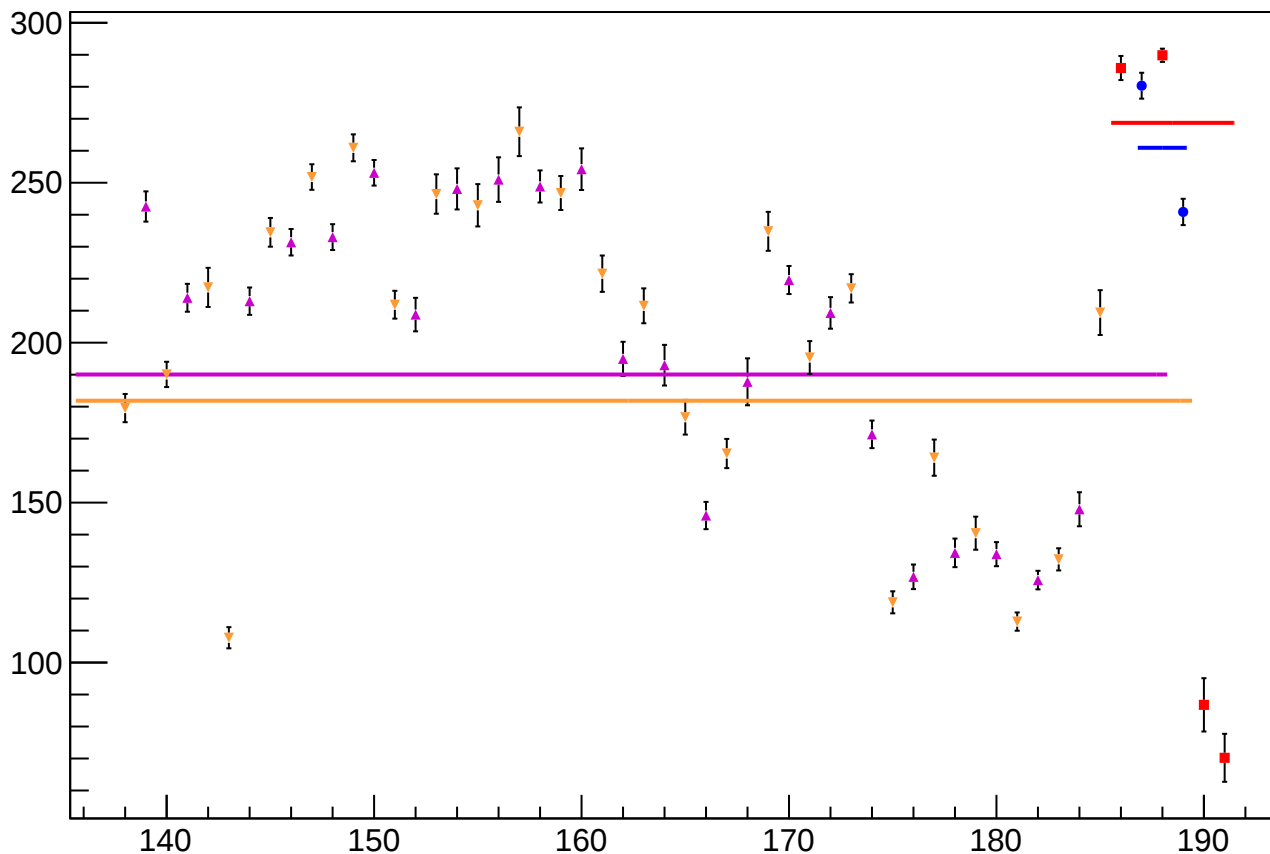
Right: 93.828 ± 0.047 $\chi^2/\text{NDF}: 339155.9/41$

In: 118.327 ± 0.036 $\chi^2/\text{NDF}: 423258.9/41$

Out: 110.319 ± 0.034 $\chi^2/\text{NDF}: 1108221.2/47$

All: 114.135 ± 0.025 $\chi^2/\text{NDF}: 1557836.0/89$

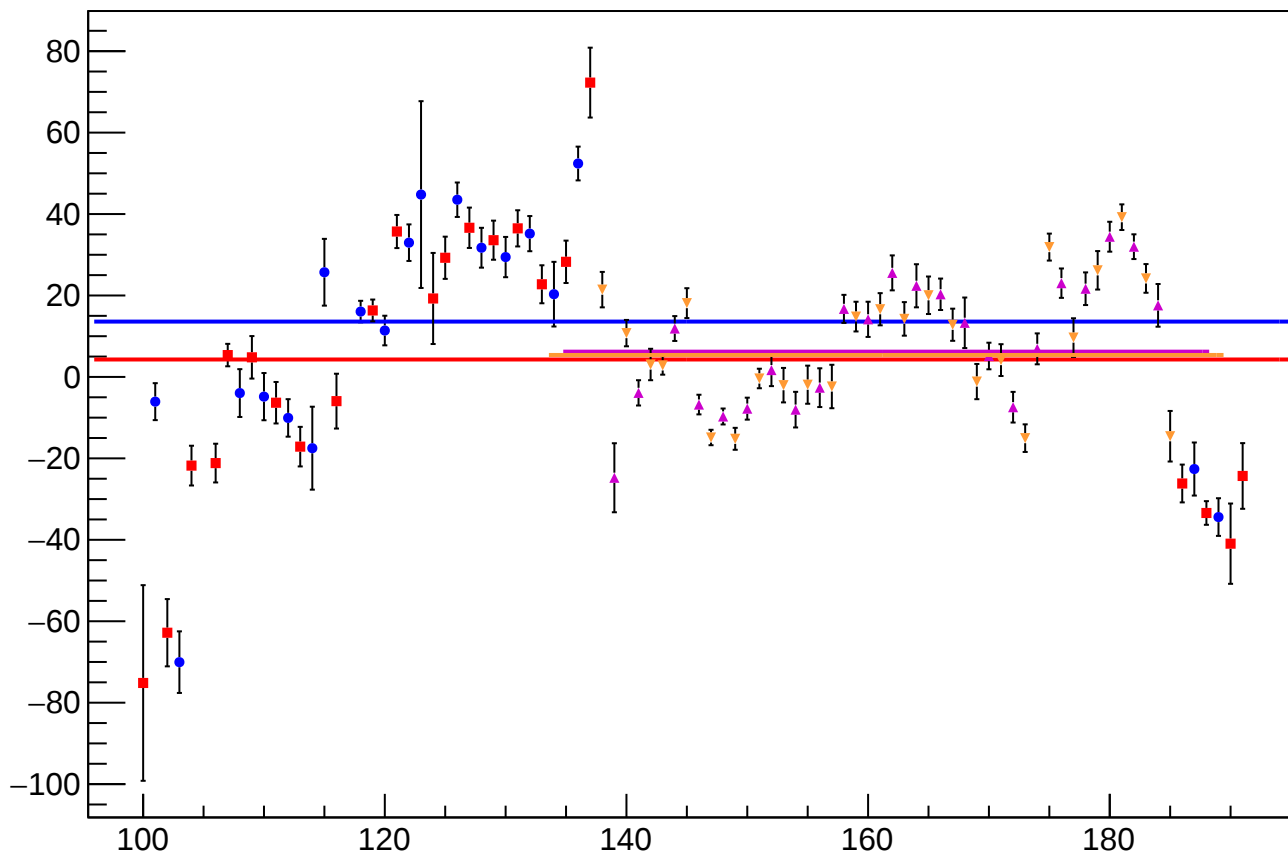
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 260.923 $\pm$ 2.885 χ^2 /NDF: 46.8/1
 Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF:3303.4/24
 Right Out: 268.726 $\pm$ 1.724 χ^2 /NDF: 1301.7/3
 Left In: 190.048 $\pm$ 0.953 χ^2 /NDF:2438.4/22

Left: 185.775 $\pm$ 0.659 χ^2 /NDF: 5780.3/47
 Right: 266.673 $\pm$ 1.480 χ^2 /NDF: 1353.9/5
 In: 197.019 $\pm$ 0.905 χ^2 /NDF:3029.4/24
 Out: 200.891 $\pm$ 0.807 χ^2 /NDF:6588.0/28
 All: 199.175 $\pm$ 0.602 χ^2 /NDF: 9627.5/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.591+/-1.116 χ^2/NDF : 545.8/18

Left Out: 5.394+/-0.688 χ^2/NDF : 526.5/24

Right Out: 4.282+/-0.980 χ^2/NDF : 742.3/22

Left In: 6.206+/-0.732 χ^2/NDF : 407.5/22

Left: 5.775+/-0.501 χ^2/NDF : 934.7/47

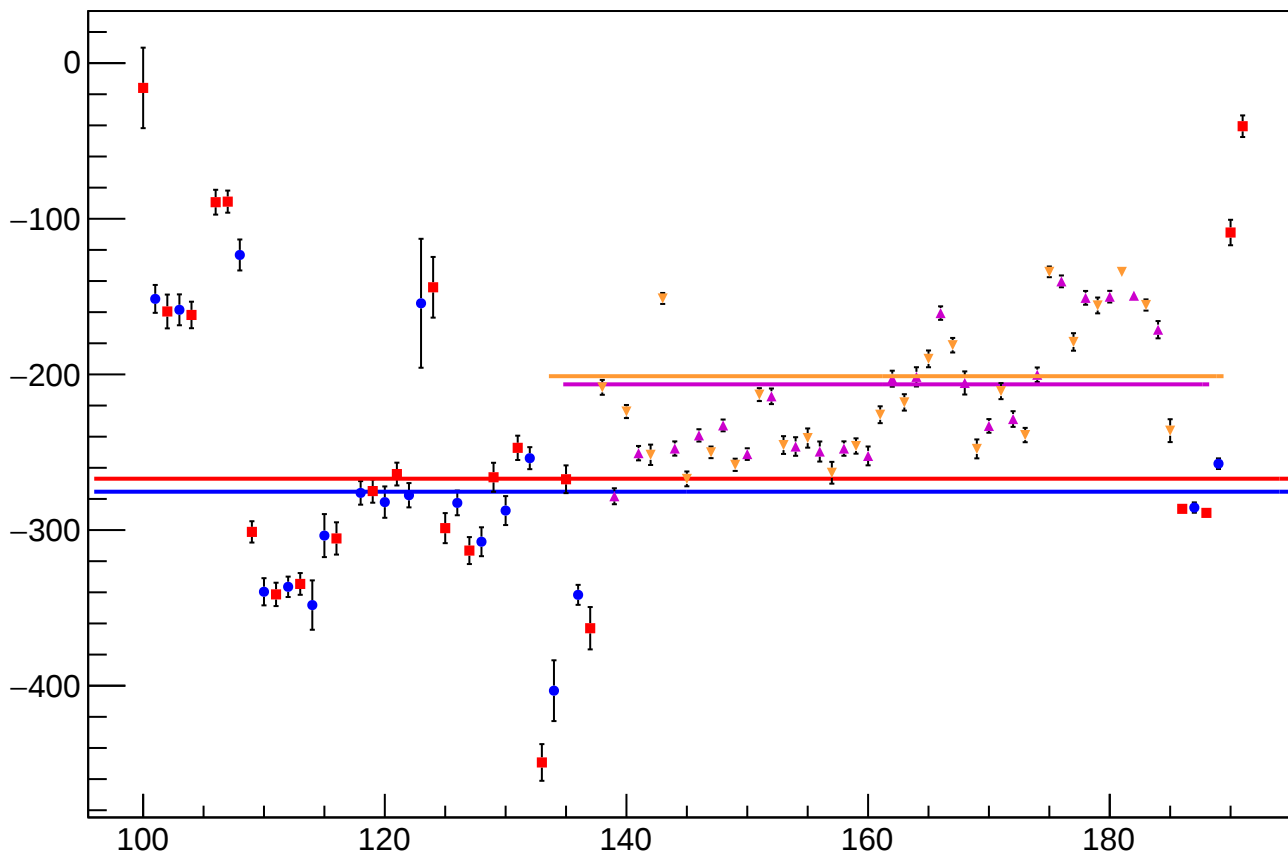
Right: 8.338+/-0.736 χ^2/NDF : 1327.3/41

In: 8.427+/-0.612 χ^2/NDF : 983.9/41

Out: 5.027+/-0.563 χ^2/NDF : 1269.7/47

All: 6.586+/-0.414 χ^2/NDF : 2270.3/89

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -275.356 ± 1.612 χ^2/NDF : 949.1/18

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -267.000 ± 1.152 χ^2/NDF : 3727.7/22

Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

Left: -203.672 ± 0.660 χ^2/NDF : 4616.1/47

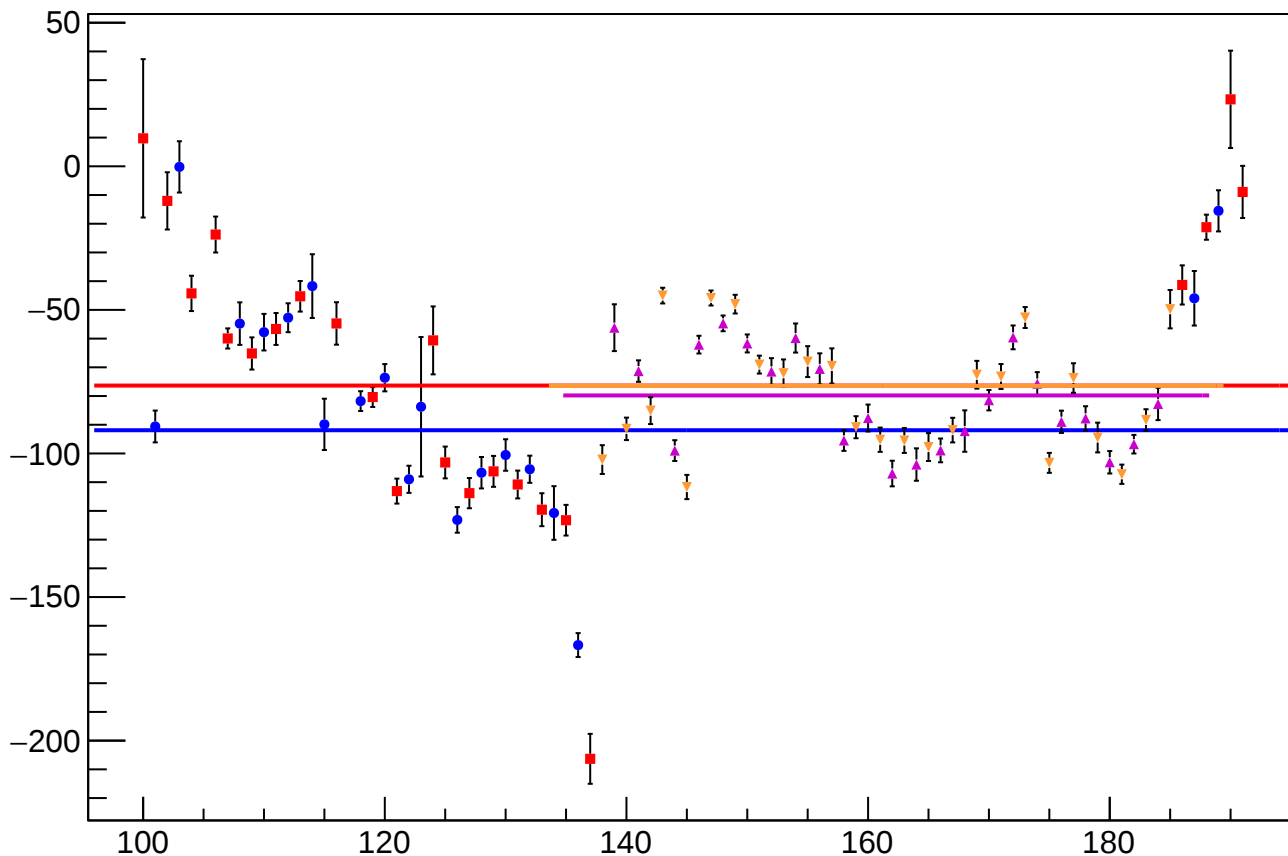
Right: -269.826 ± 0.937 χ^2/NDF : 4694.6/41

In: -224.148 ± 0.818 χ^2/NDF : 4420.0/41

Out: -226.707 ± 0.718 χ^2/NDF : 8214.9/47

All: -225.594 ± 0.540 χ^2/NDF : 12640.4/89

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -91.910 ± 1.308 χ^2/NDF : 813.5/18

Left Out: -76.460 ± 0.797 χ^2/NDF : 781.3/24

Right Out: -76.354 ± 1.178 χ^2/NDF : 1093.6/22

Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

Left: -78.038 ± 0.578 χ^2/NDF : 1201.9/47

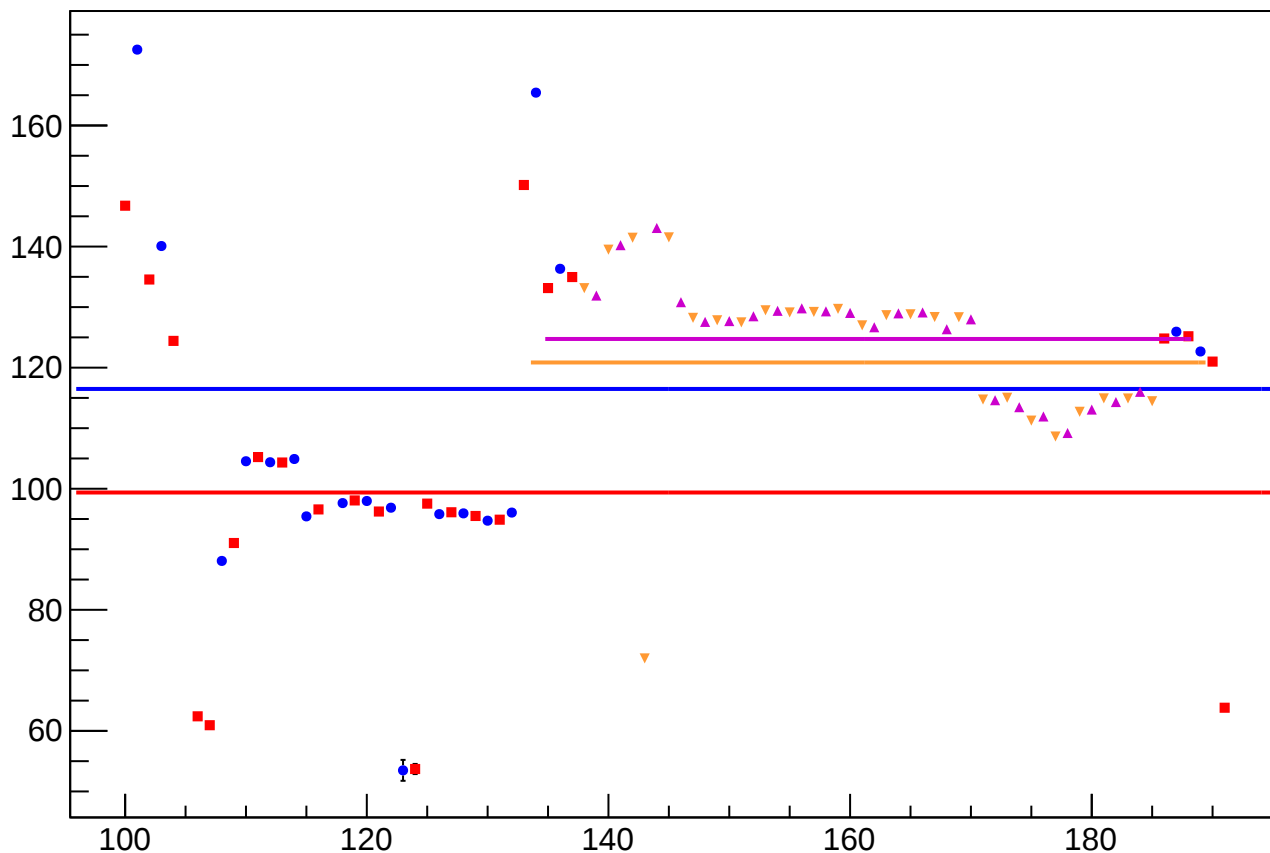
Right: -83.321 ± 0.875 χ^2/NDF : 1985.2/41

In: -83.329 ± 0.707 χ^2/NDF : 1286.5/41

Out: -76.426 ± 0.660 χ^2/NDF : 1874.9/47

All: -79.642 ± 0.482 χ^2/NDF : 3212.4/89

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 116.483 $\pm$ 0.076 χ^2 /NDF: 106316.4/18

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF:182759.1/24

Right Out: 99.377 $\pm$ 0.063 χ^2 /NDF: 209991.6/22

Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

Left: 122.737 $\pm$ 0.027 χ^2 /NDF: 239101.1/47

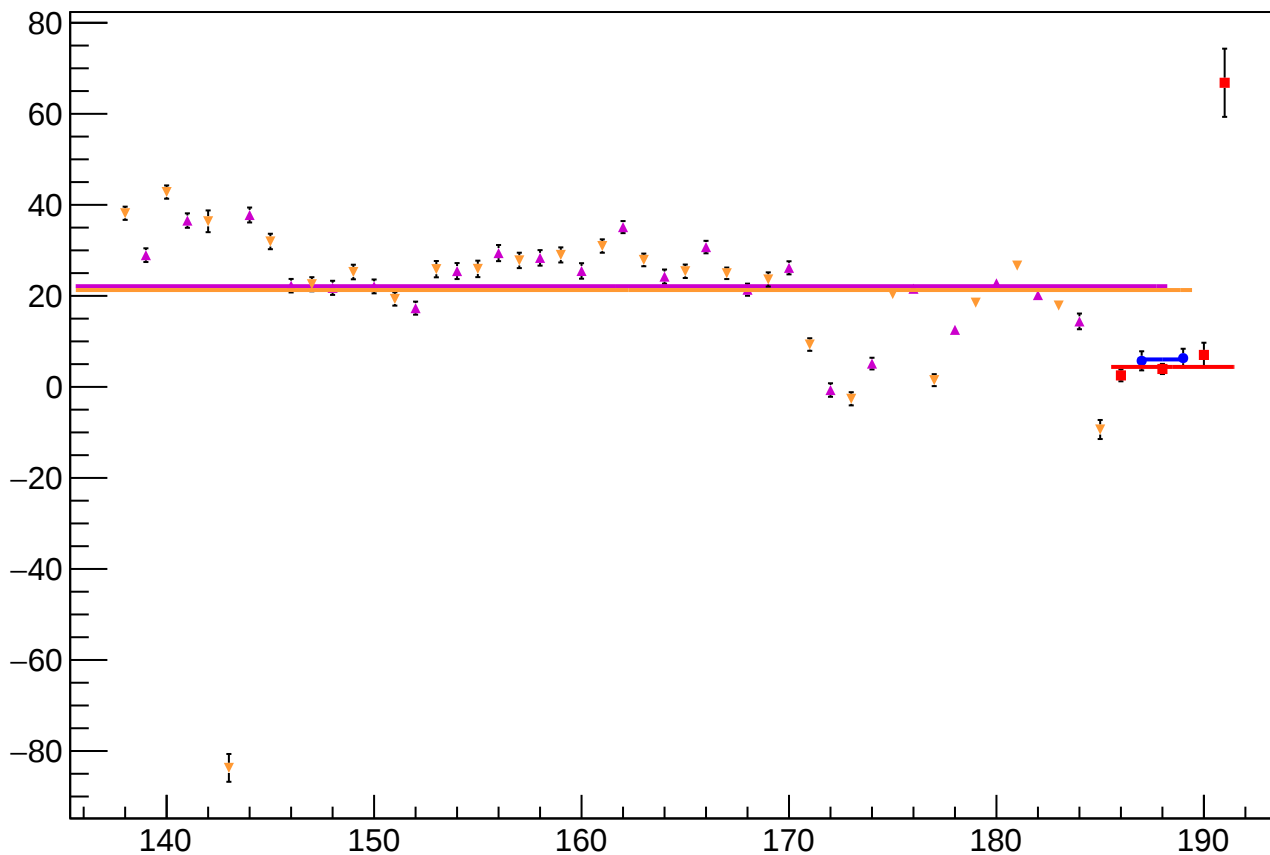
Right: 106.313 $\pm$ 0.048 χ^2 /NDF: 346515.3/41

In: 122.996 $\pm$ 0.035 χ^2 /NDF:166950.7/41

Out: 115.069 $\pm$ 0.033 χ^2 /NDF:478563.2/47

All: 118.758 $\pm$ 0.024 χ^2 /NDF: 673150.2/89

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 6.035 $\pm$ 1.467 χ^2 /NDF: 0.0/1

Left Out: 21.282 $\pm$ 0.282 χ^2 /NDF:2600.5/24

Right Out: 4.390 $\pm$ 0.801 χ^2 /NDF: 72.6/3

Left In: 22.127 $\pm$ 0.285 χ^2 /NDF:900.2/22

Left: 21.700 $\pm$ 0.201 χ^2 /NDF: 3505.2/47

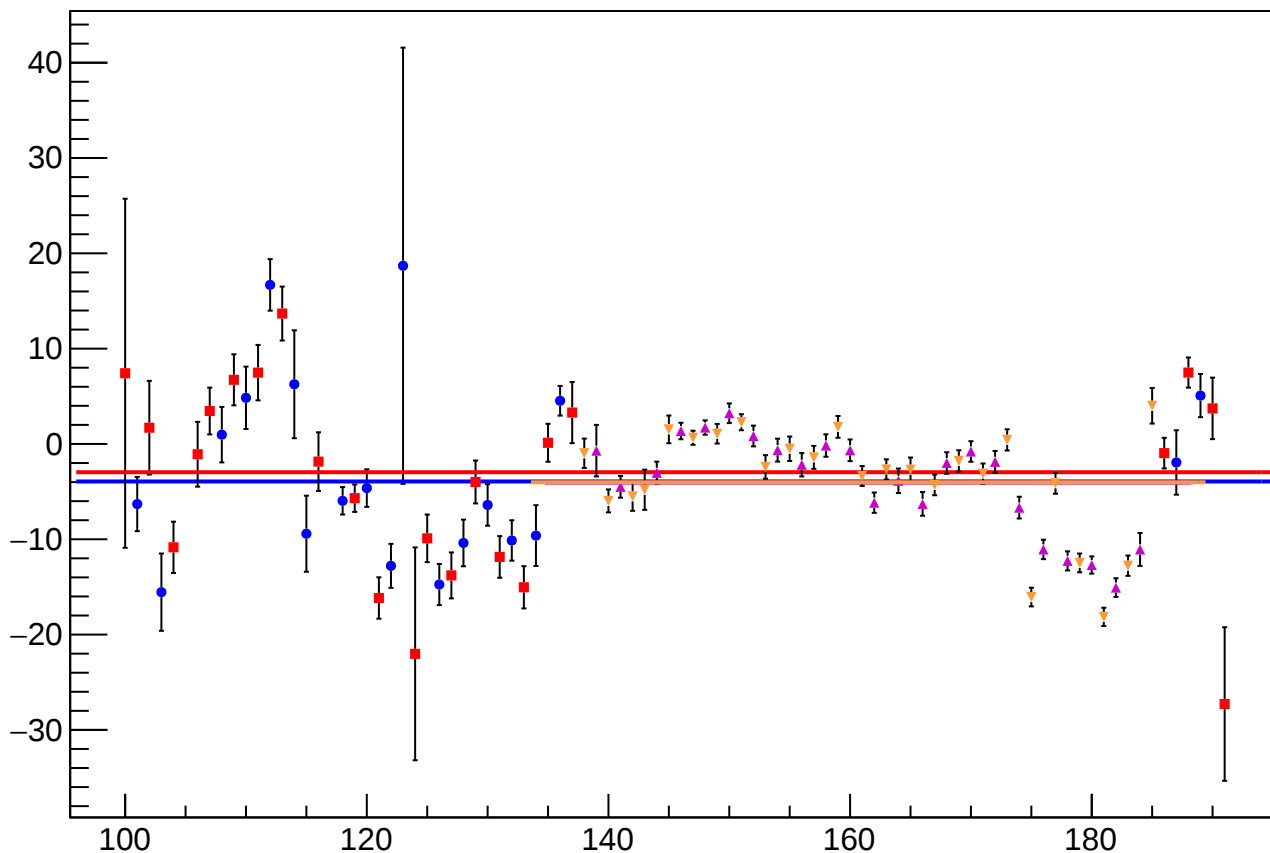
Right: 4.768 $\pm$ 0.703 χ^2 /NDF: 73.7/5

In: 21.539 $\pm$ 0.280 χ^2 /NDF:1016.3/24

Out: 19.413 $\pm$ 0.266 χ^2 /NDF:3068.9/28

All: 20.422 $\pm$ 0.193 χ^2 /NDF: 4115.4/53

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.936 ± 0.562 $\chi^2/\text{NDF}: 190.9/18$

Left Out: -4.022 ± 0.223 $\chi^2/\text{NDF}: 734.1/24$

Right Out: -2.965 ± 0.512 $\chi^2/\text{NDF}: 260.4/22$

Left In: -4.059 ± 0.228 $\chi^2/\text{NDF}: 577.2/22$

Left: -4.040 ± 0.159 $\chi^2/\text{NDF}: 1311.4/47$

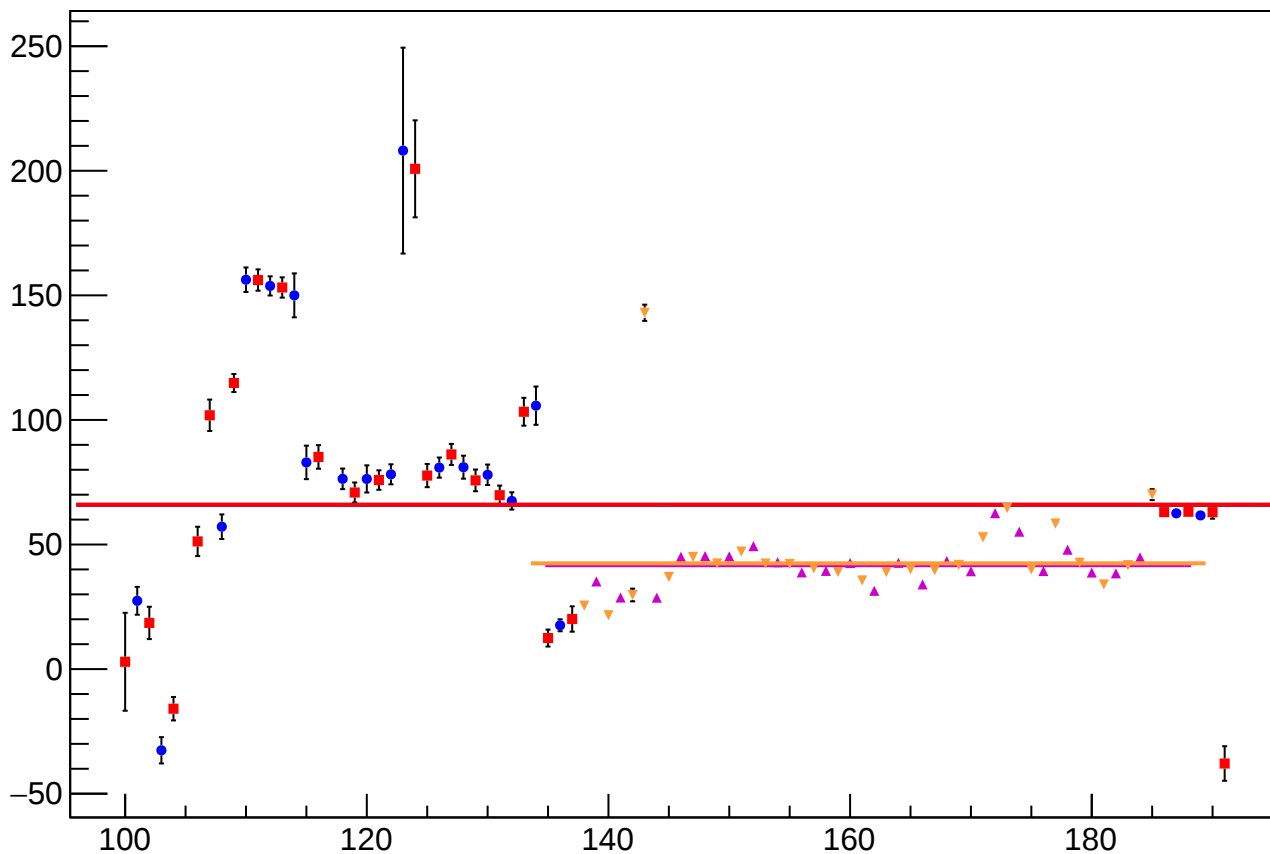
Right: -3.406 ± 0.378 $\chi^2/\text{NDF}: 452.9/41$

In: -4.041 ± 0.211 $\chi^2/\text{NDF}: 768.1/41$

Out: -3.853 ± 0.205 $\chi^2/\text{NDF}: 998.1/47$

All: -3.944 ± 0.147 $\chi^2/\text{NDF}: 1766.7/89$

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 65.942 ± 0.814 χ^2/NDF : 1861.3/18

Left Out: 42.452 ± 0.282 χ^2/NDF : 2016.0/24

Right Out: 65.963 ± 0.559 χ^2/NDF : 2214.2/22

Left In: 41.695 ± 0.284 χ^2/NDF : 630.2/22

Left: 42.077 ± 0.200 χ^2/NDF : 2649.8/47

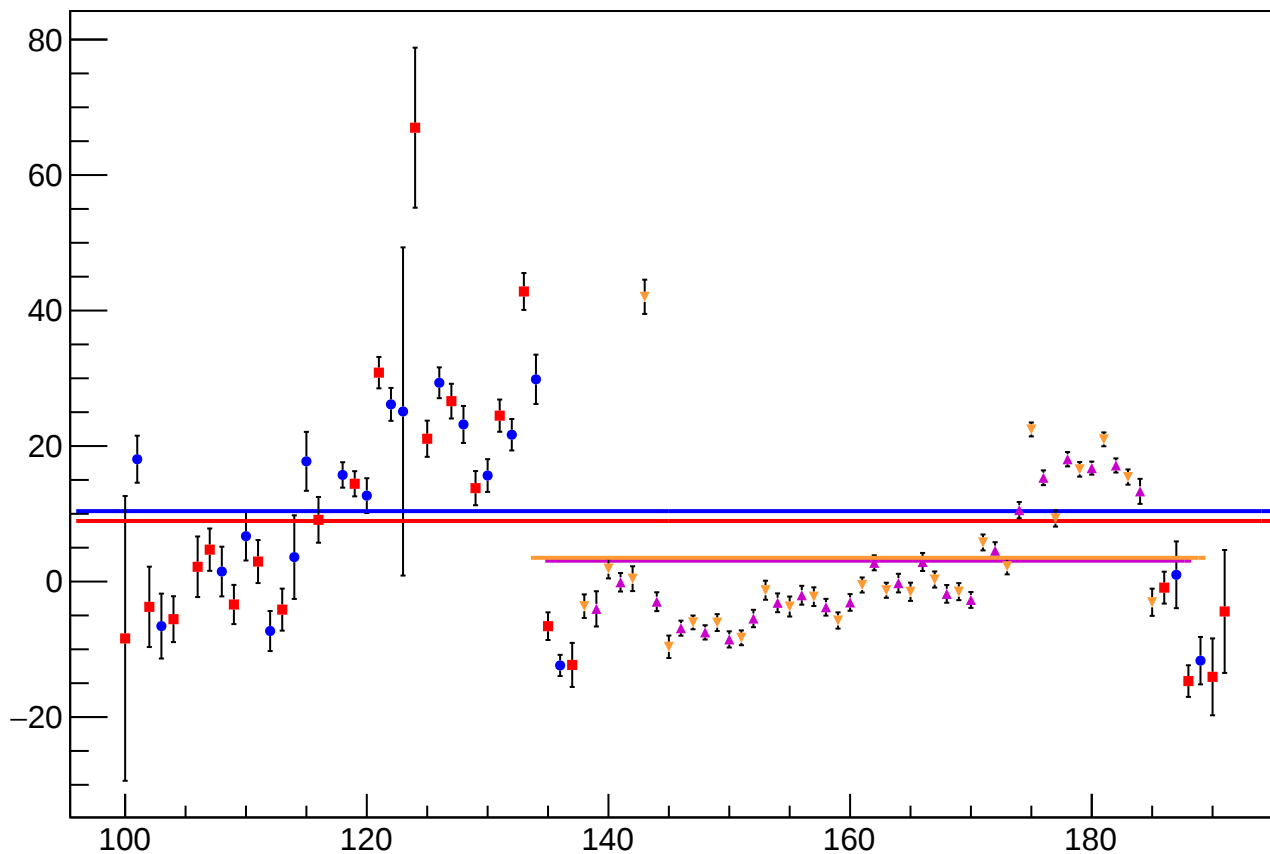
Right: 65.956 ± 0.461 χ^2/NDF : 4075.5/41

In: 44.325 ± 0.268 χ^2/NDF : 3281.6/41

Out: 47.220 ± 0.252 χ^2/NDF : 5640.4/47

All: 45.865 ± 0.184 χ^2/NDF : 8983.9/89

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.395 ± 0.649 χ^2/NDF : 519.9/18

Left Out: 3.505 ± 0.252 χ^2/NDF : 1691.3/24

Right Out: 8.940 ± 0.612 χ^2/NDF : 697.9/22

Left In: 3.081 ± 0.257 χ^2/NDF : 1265.7/22

Left: 3.297 ± 0.180 χ^2/NDF : 2958.4/47

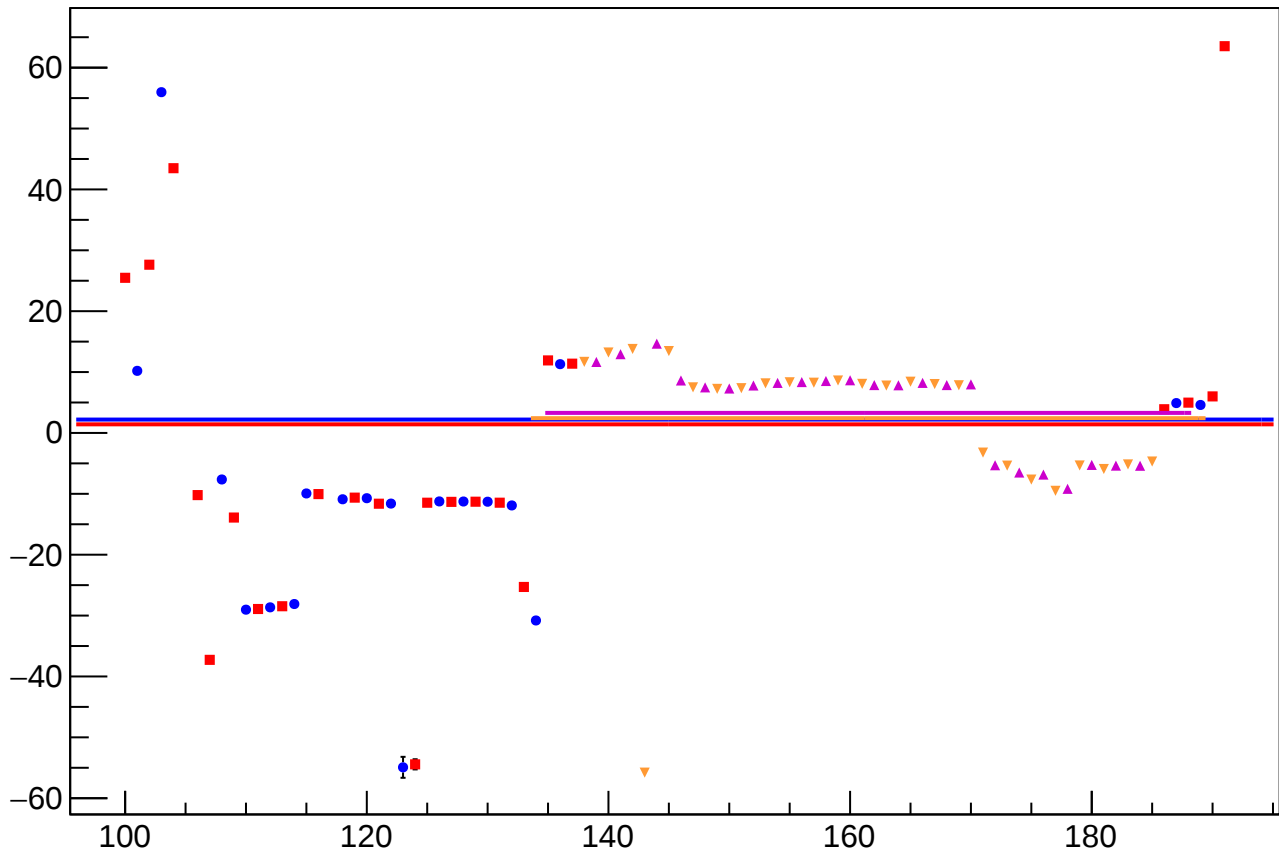
Right: 9.625 ± 0.446 χ^2/NDF : 1220.5/41

In: 4.072 ± 0.239 χ^2/NDF : 1895.2/41

Out: 4.294 ± 0.233 χ^2/NDF : 2456.6/47

All: 4.186 ± 0.167 χ^2/NDF : 4352.3/89

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.197 $\pm$ 0.036 χ^2 /NDF: 358248.6/18

Left Out: 2.425 $\pm$ 0.012 χ^2 /NDF: 616382.5/24

Right Out: 1.413 $\pm$ 0.034 χ^2 /NDF: 428302.8/22

Left In: 3.293 $\pm$ 0.012 χ^2 /NDF: 404323.8/22

Left: 2.855 $\pm$ 0.008 χ^2 /NDF: 1023497.1/47

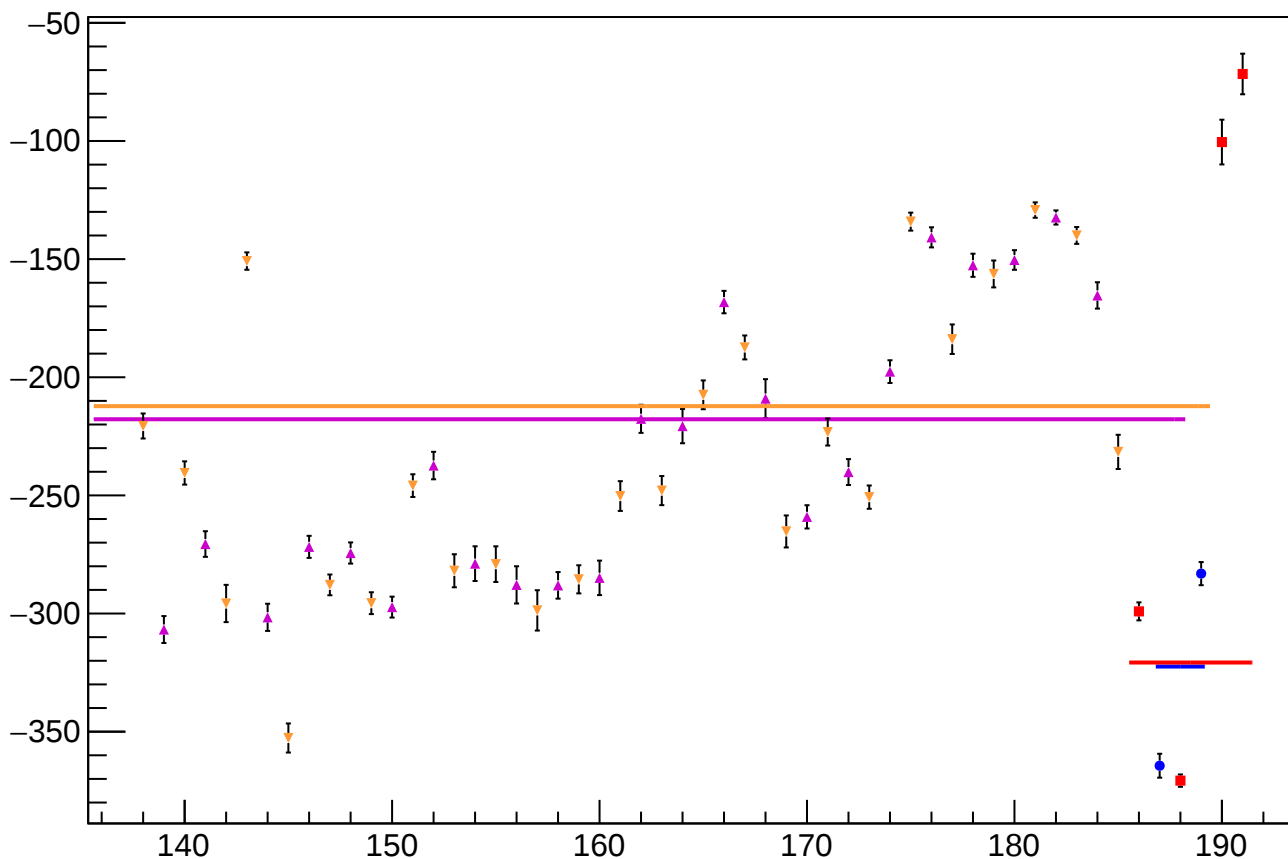
Right: 1.780 $\pm$ 0.025 χ^2 /NDF: 786806.4/41

In: 3.188 $\pm$ 0.011 χ^2 /NDF: 763418.3/41

Out: 2.318 $\pm$ 0.011 χ^2 /NDF: 1045496.7/47

All: 2.747 $\pm$ 0.008 χ^2 /NDF: 1812034.9/89

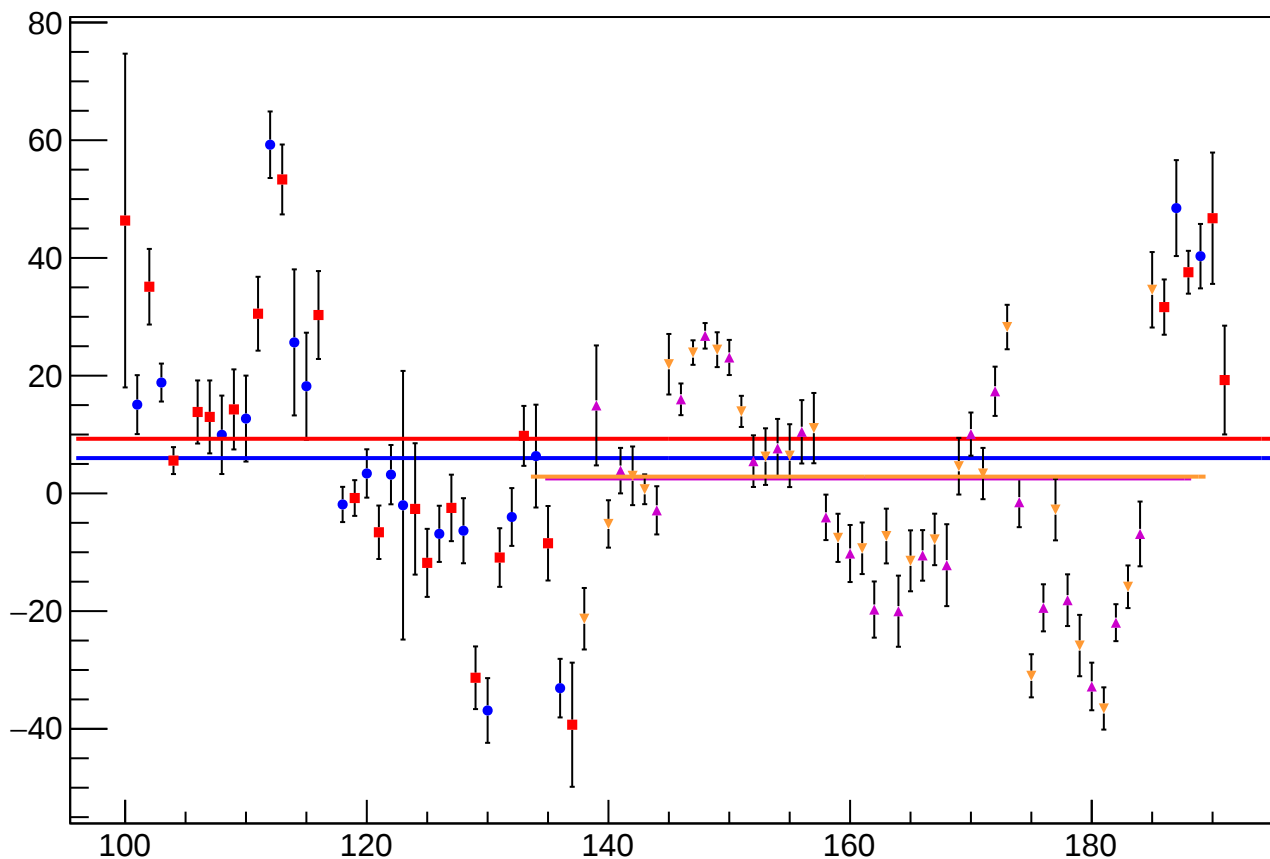
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -322.437 ± 3.520 $\chi^2/\text{NDF}: 133.2/1$
 Left Out: -212.231 ± 1.029 $\chi^2/\text{NDF}: 3875.4/24$
 Right Out: -320.737 ± 2.041 $\chi^2/\text{NDF}: 1780.7/3$
 Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

Left: -214.906 ± 0.741 $\chi^2/\text{NDF}: 7338.3/47$
 Right: -321.165 ± 1.765 $\chi^2/\text{NDF}: 1914.1/5$
 In: -226.581 ± 1.021 $\chi^2/\text{NDF}: 4391.6/24$
 Out: -234.242 ± 0.919 $\chi^2/\text{NDF}: 7909.9/28$
 All: -230.813 ± 0.683 $\chi^2/\text{NDF}: 12332.6/53$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.997 ± 1.201 $\chi^2/\text{NDF}: 326.5/18$

Left Out: 2.848 ± 0.775 $\chi^2/\text{NDF}: 582.1/24$

Right Out: 9.278 ± 1.062 $\chi^2/\text{NDF}: 337.9/22$

Left In: 2.540 ± 0.822 $\chi^2/\text{NDF}: 473.6/22$

Left: 2.703 ± 0.564 $\chi^2/\text{NDF}: 1055.8/47$

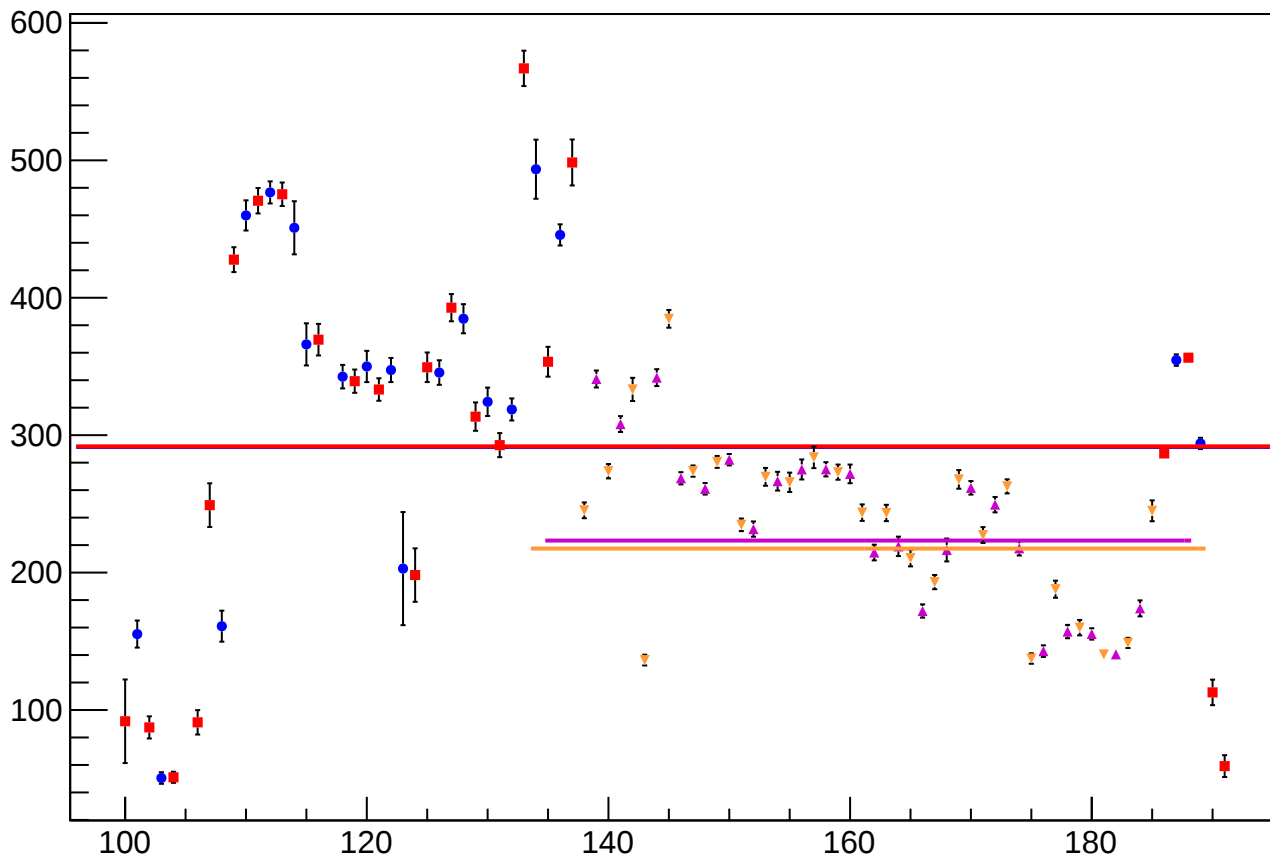
Right: 7.838 ± 0.796 $\chi^2/\text{NDF}: 668.6/41$

In: 3.643 ± 0.679 $\chi^2/\text{NDF}: 805.8/41$

Out: 5.079 ± 0.626 $\chi^2/\text{NDF}: 943.9/47$

All: 4.419 ± 0.460 $\chi^2/\text{NDF}: 1752.1/89$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 291.441 $\pm$ 1.762 χ^2 /NDF: 5393.3/18

Left Out: 217.484 $\pm$ 1.032 χ^2 /NDF: 3769.5/24

Right Out: 291.832 $\pm$ 1.299 χ^2 /NDF: 8908.5/22

Left In: 223.309 $\pm$ 1.062 χ^2 /NDF: 3378.0/22

Left: 220.314 $\pm$ 0.740 χ^2 /NDF: 7163.0/47

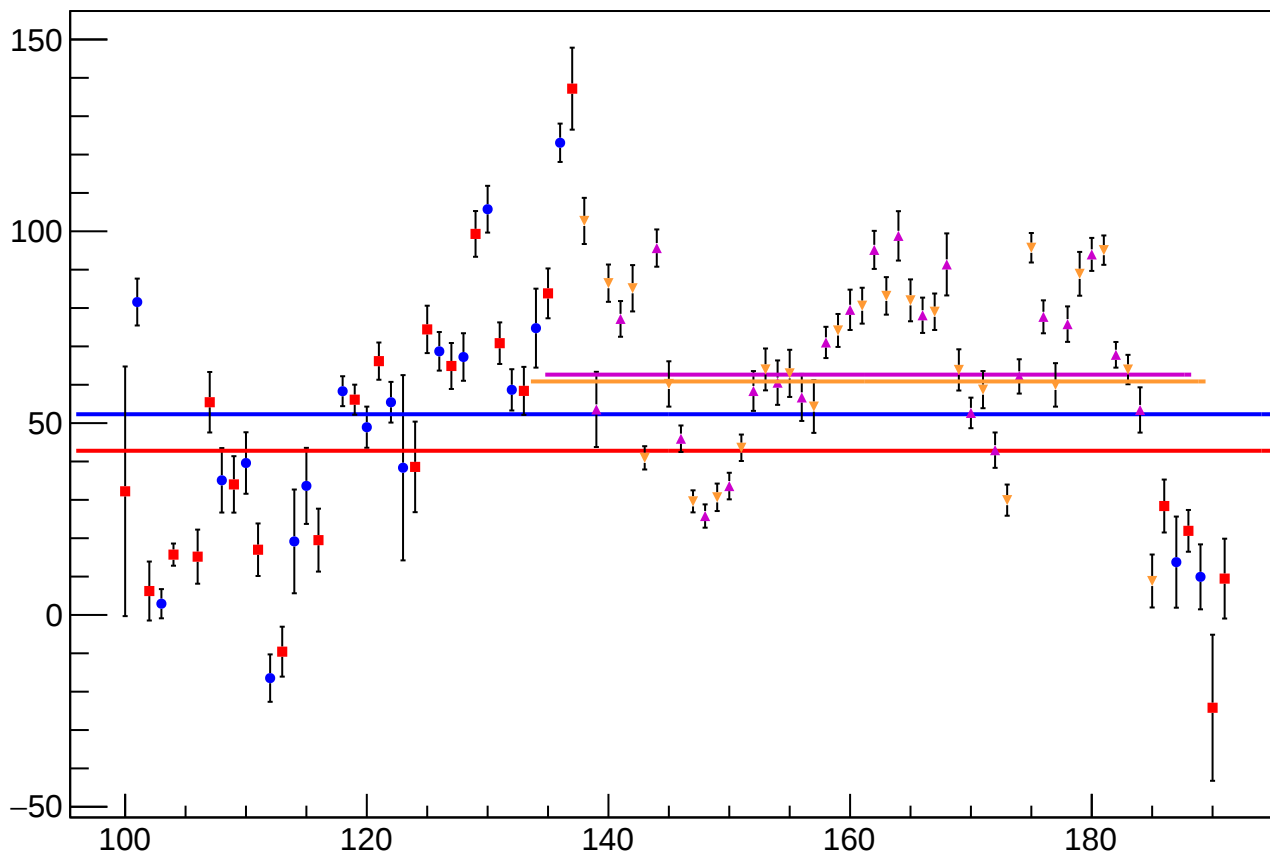
Right: 291.694 $\pm$ 1.045 χ^2 /NDF: 14301.9/41

In: 241.464 $\pm$ 0.909 χ^2 /NDF: 9868.3/41

Out: 246.272 $\pm$ 0.808 χ^2 /NDF: 14686.3/47

All: 244.151 $\pm$ 0.604 χ^2 /NDF: 24570.2/89

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 52.316 $\pm$ 1.410 χ^2 /NDF: 670.4/18

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 42.795 $\pm$ 1.282 χ^2 /NDF: 574.1/22

Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

Left: 61.707 $\pm$ 0.650 χ^2 /NDF: 1248.9/47

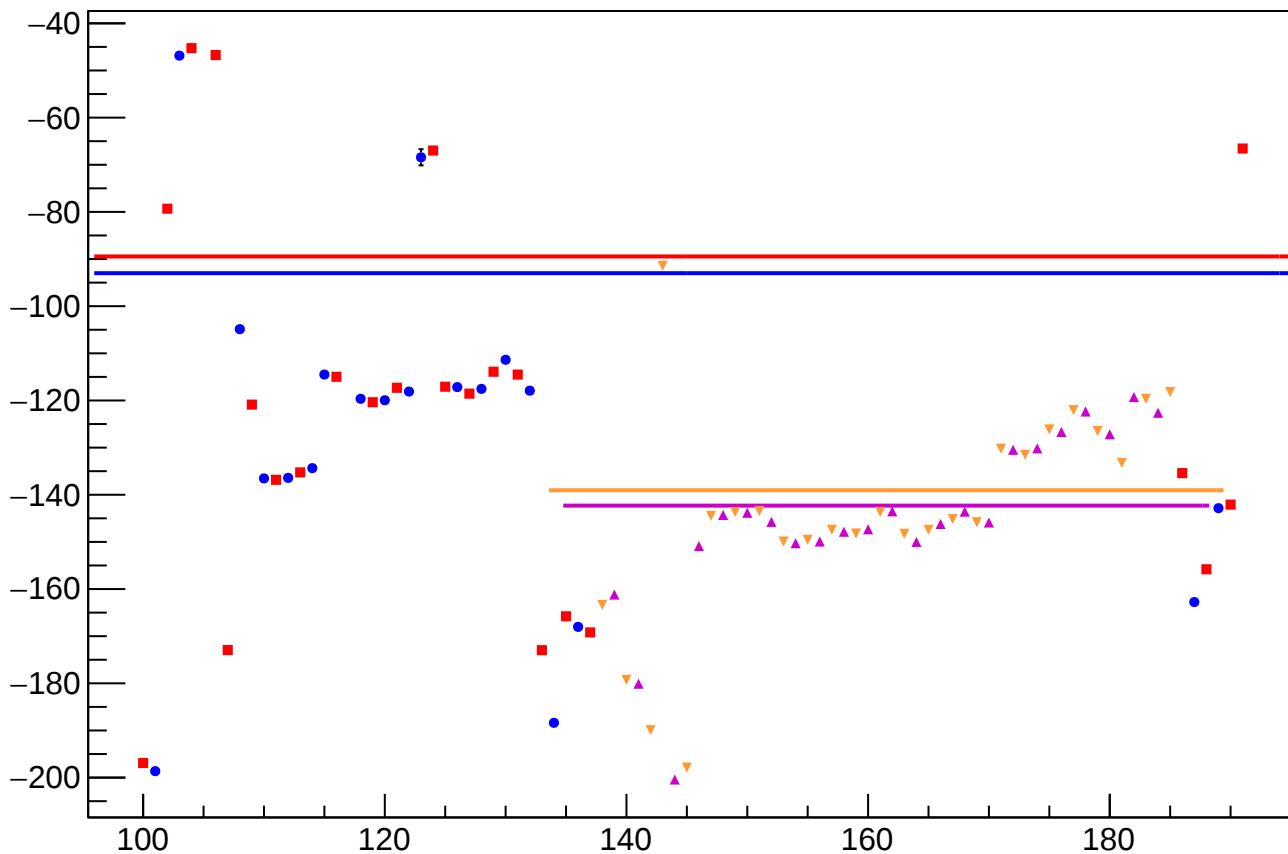
Right: 47.104 $\pm$ 0.949 χ^2 /NDF: 1269.4/41

In: 59.451 $\pm$ 0.784 χ^2 /NDF: 1222.9/41

Out: 54.930 $\pm$ 0.735 χ^2 /NDF: 1439.1/47

All: 57.045 $\pm$ 0.536 χ^2 /NDF: 2679.6/89

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -92.998 $\pm$ 0.067 χ^2 /NDF: 560653.0/18

Left Out: -139.040 $\pm$ 0.043 χ^2 /NDF: 258113.4/24

Right Out: -89.452 $\pm$ 0.061 χ^2 /NDF: 575531.6/22

Left In: -142.305 $\pm$ 0.044 χ^2 /NDF: 143351.8/22

Left: -140.627 $\pm$ 0.031 χ^2 /NDF: 404285.9/47

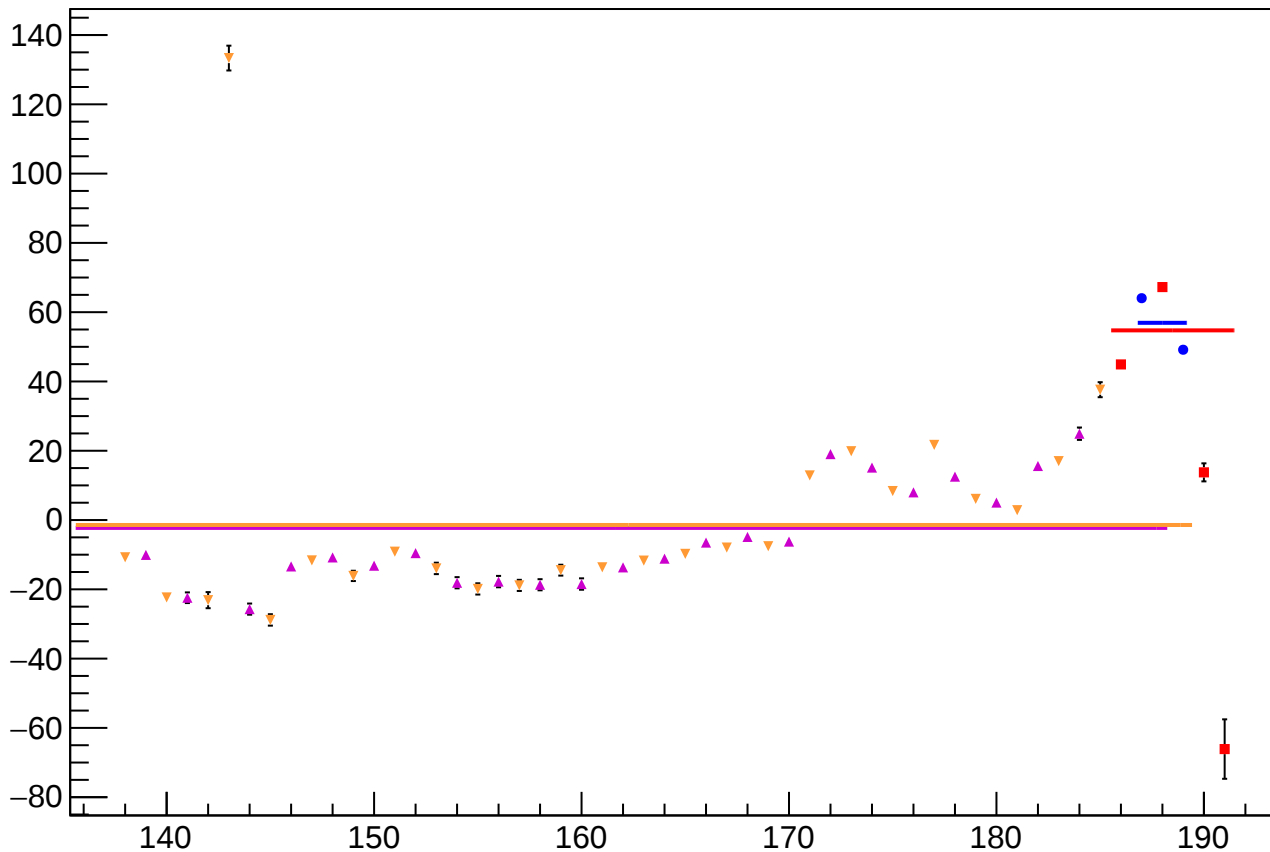
Right: -91.076 $\pm$ 0.045 χ^2 /NDF: 1137725.9/41

In: -127.258 $\pm$ 0.037 χ^2 /NDF: 1085888.2/41

Out: -122.690 $\pm$ 0.035 χ^2 /NDF: 1274811.0/47

All: -124.869 $\pm$ 0.025 χ^2 /NDF: 2368780.5/89

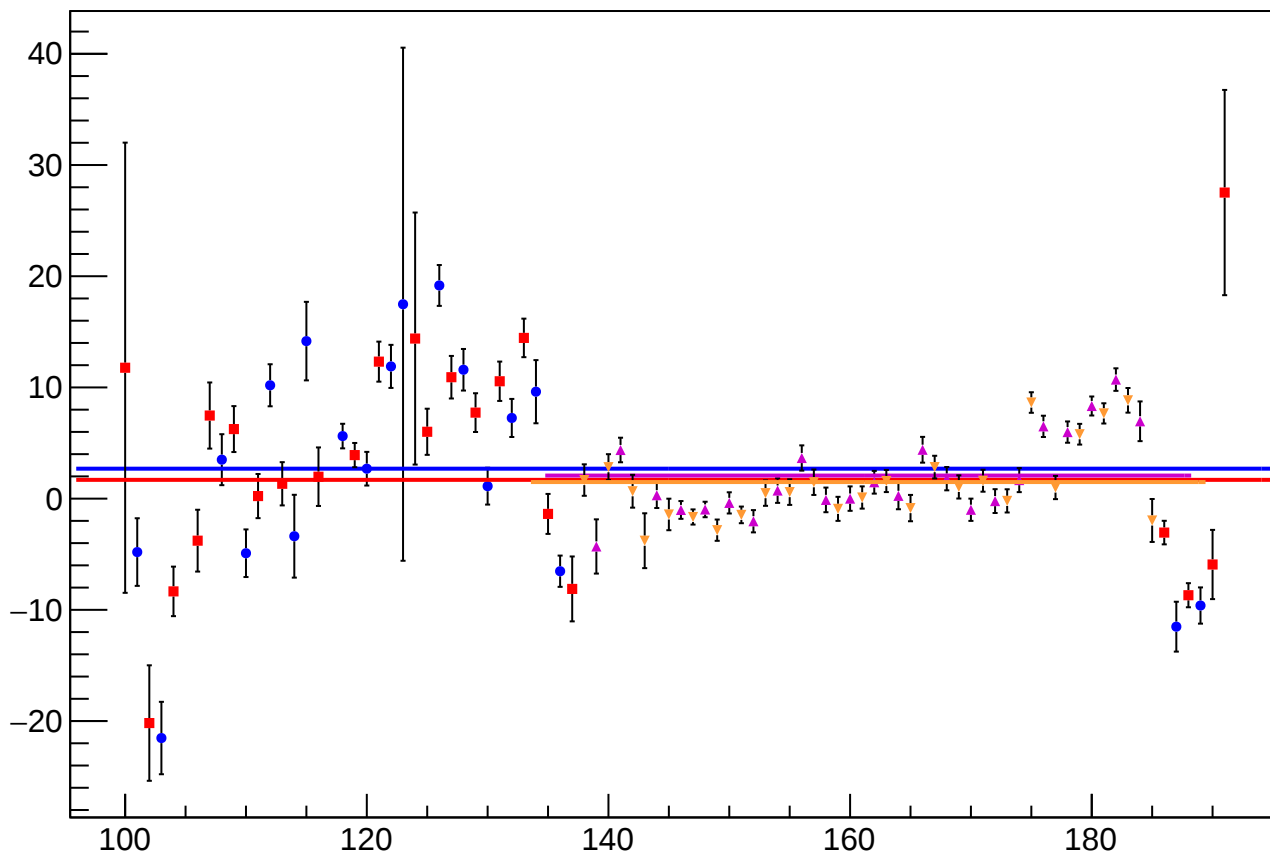
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 56.930+/-1.007 χ^2/NDF : 54.5/1
 Left Out: -1.427+/-0.268 χ^2/NDF : 4339.0/24
 Right Out: 54.748+/-0.562 χ^2/NDF : 836.1/3
 Left In: -2.270+/-0.271 χ^2/NDF : 2521.6/22

Left: -1.844+/-0.190 χ^2/NDF : 6865.5/47
 Right: 55.267+/-0.491 χ^2/NDF : 894.2/5
 In: 1.724+/-0.261 χ^2/NDF : 5802.1/24
 Out: 8.957+/-0.242 χ^2/NDF : 13318.8/28
 All: 5.625+/-0.177 χ^2/NDF : 19533.6/53

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.694 $\pm$ 0.444 χ^2 /NDF: 390.4/18

Left Out: 1.491 $\pm$ 0.210 χ^2 /NDF:259.1/24

Right Out: 1.689 $\pm$ 0.398 χ^2 /NDF: 350.4/22

Left In: 2.075 $\pm$ 0.215 χ^2 /NDF:274.6/22

Left: 1.776 $\pm$ 0.150 χ^2 /NDF: 537.4/47

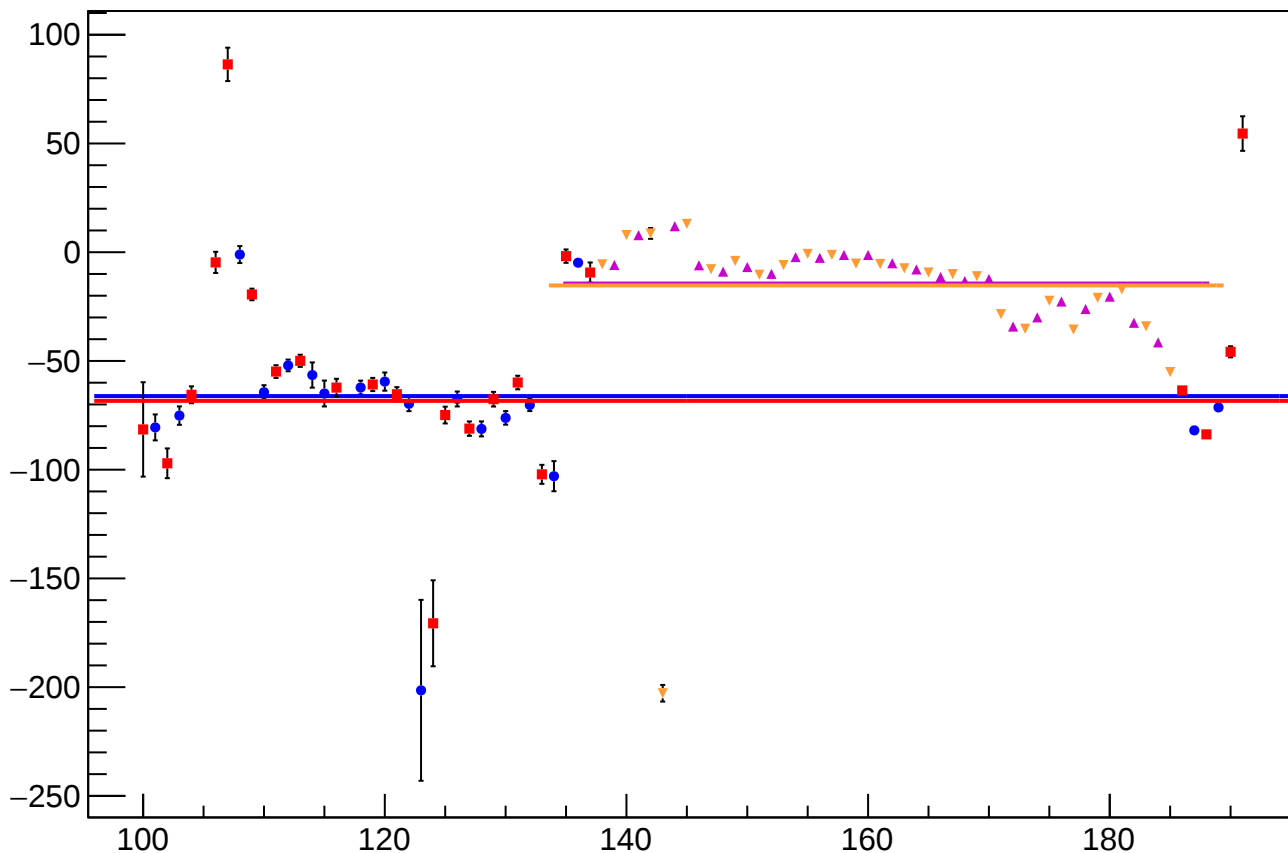
Right: 2.136 $\pm$ 0.297 χ^2 /NDF: 743.7/41

In: 2.192 $\pm$ 0.194 χ^2 /NDF:666.5/41

Out: 1.534 $\pm$ 0.186 χ^2 /NDF:609.7/47

All: 1.850 $\pm$ 0.134 χ^2 /NDF: 1282.3/89

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.156+/-0.602 χ^2/NDF : 1406.5/18

Left Out: -15.279+/-0.267 χ^2/NDF : 4820.1/24

Right Out: -68.350+/-0.402 χ^2/NDF : 2730.2/22

Left In: -14.406+/-0.269 χ^2/NDF : 2032.4/22

Left: -14.846+/-0.189 χ^2/NDF : 6857.8/47

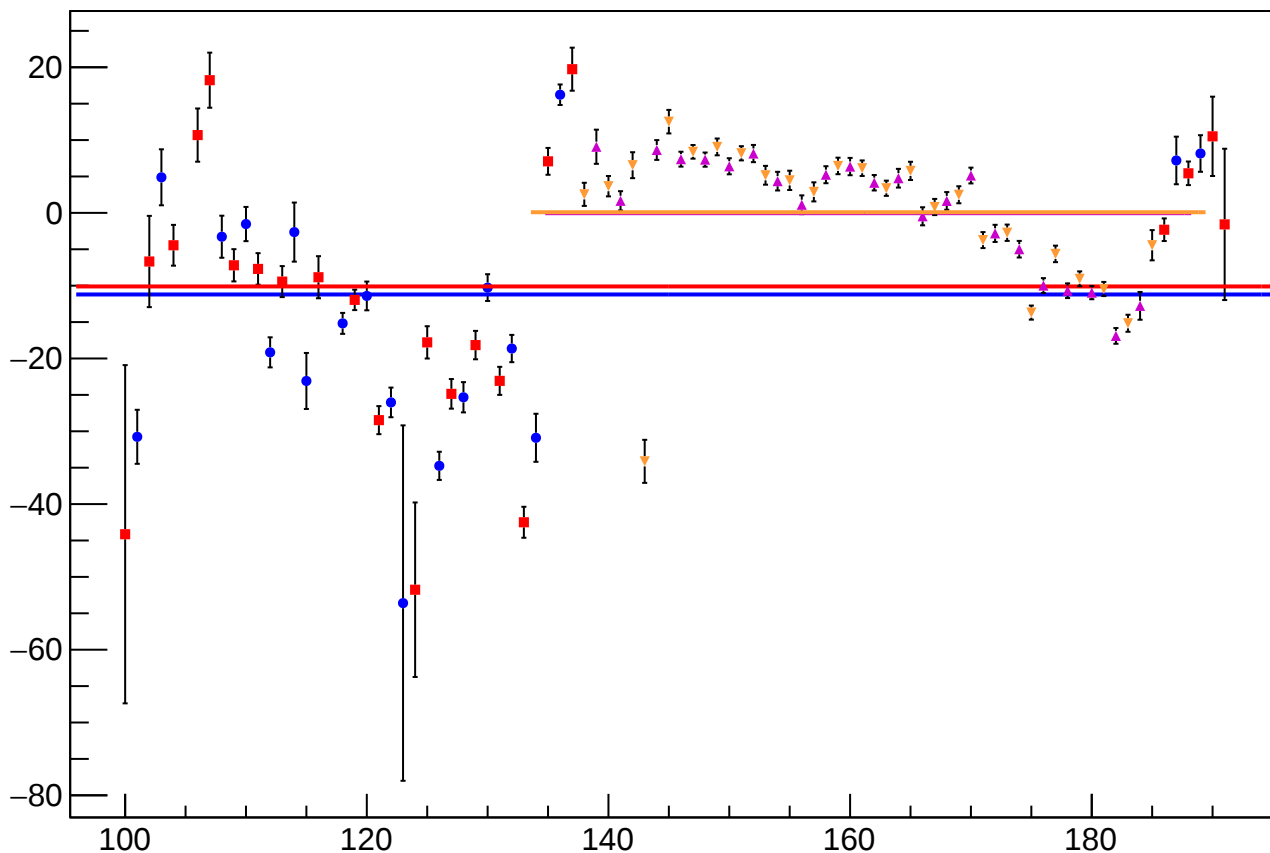
Right: -67.673+/-0.334 χ^2/NDF : 4145.8/41

In: -23.031+/-0.246 χ^2/NDF : 9602.4/41

Out: -31.515+/-0.222 χ^2/NDF : 19656.0/47

All: -27.696+/-0.165 χ^2/NDF : 29914.3/89

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -11.208 ± 0.519 $\chi^2/\text{NDF}: 877.5/18$

Left Out: 0.087 ± 0.238 $\chi^2/\text{NDF}: 1172.3/24$

Right Out: -10.105 ± 0.483 $\chi^2/\text{NDF}: 882.5/22$

Left In: -0.044 ± 0.243 $\chi^2/\text{NDF}: 1028.2/22$

Left: 0.023 ± 0.170 $\chi^2/\text{NDF}: 2200.6/47$

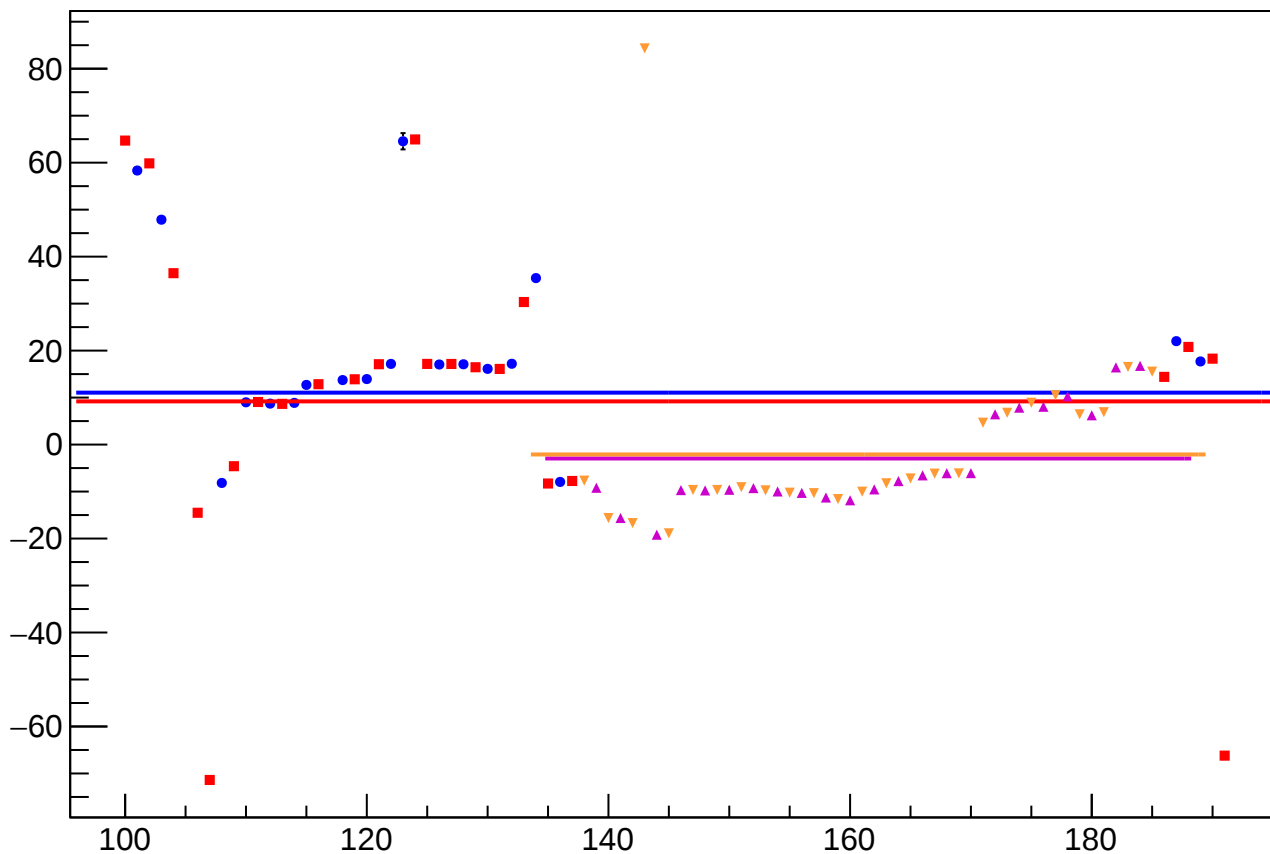
Right: -10.617 ± 0.354 $\chi^2/\text{NDF}: 1762.4/41$

In: -2.052 ± 0.220 $\chi^2/\text{NDF}: 2285.1/41$

Out: -1.907 ± 0.214 $\chi^2/\text{NDF}: 2412.8/47$

All: -1.977 ± 0.153 $\chi^2/\text{NDF}: 4698.1/89$

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.053 ± 0.029 χ^2/NDF : 387894.0/18

Left Out: -2.105 ± 0.011 χ^2/NDF : 1093120.2/24

Right Out: 9.193 ± 0.028 χ^2/NDF : 640148.8/22

Left In: -2.959 ± 0.011 χ^2/NDF : 763000.9/22

Left: -2.529 ± 0.008 χ^2/NDF : 1859155.7/47

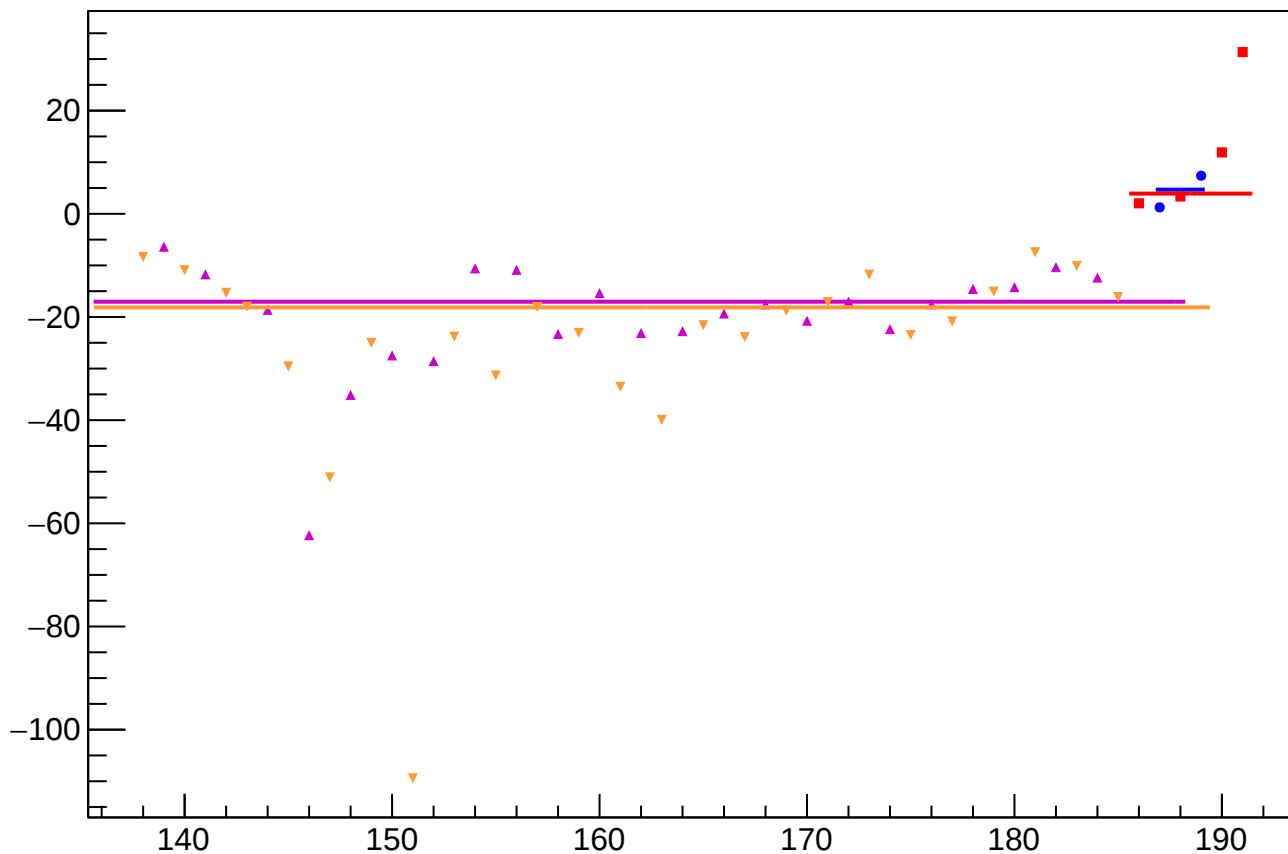
Right: 10.074 ± 0.020 χ^2/NDF : 1030151.3/41

In: -1.236 ± 0.010 χ^2/NDF : 1350347.8/41

Out: -0.601 ± 0.010 χ^2/NDF : 1875673.5/47

All: -0.915 ± 0.007 χ^2/NDF : 3227943.7/89

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.692 ± 0.187 χ^2/NDF : 266.5/1

Left Out: -18.128 ± 0.039 χ^2/NDF : 88551.6/24

Right Out: 3.921 ± 0.092 χ^2/NDF : 1630.5/3

Left In: -17.038 ± 0.038 χ^2/NDF : 44141.1/22

Left: -17.572 ± 0.027 χ^2/NDF : 133092.4/47

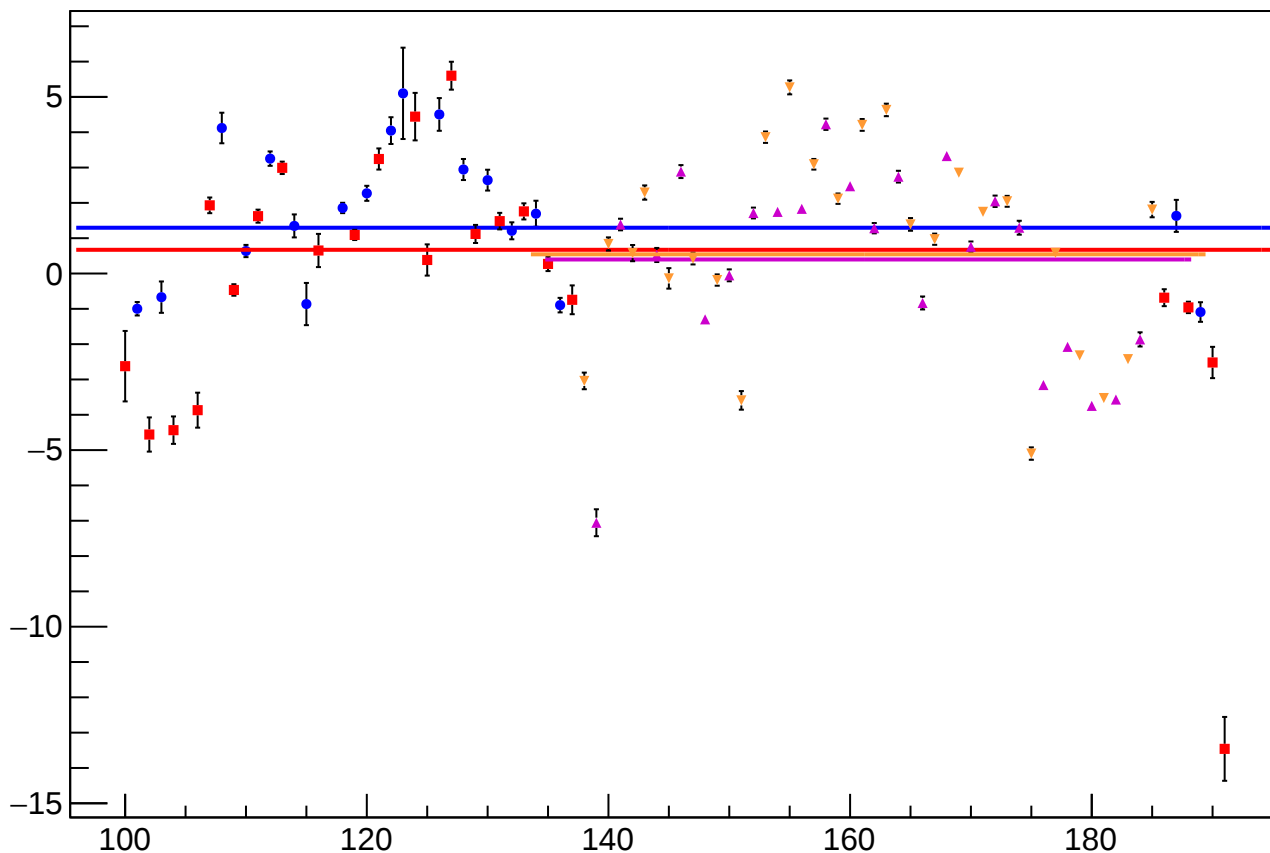
Right: 4.073 ± 0.083 χ^2/NDF : 1910.7/5

In: -16.166 ± 0.037 χ^2/NDF : 57422.0/24

Out: -14.803 ± 0.036 χ^2/NDF : 138600.7/28

All: -15.456 ± 0.026 χ^2/NDF : 196716.0/53

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.296 ± 0.060 $\chi^2/\text{NDF}: 712.4/18$

Left Out: 0.543 ± 0.032 $\chi^2/\text{NDF}: 7085.3/24$

Right Out: 0.671 ± 0.053 $\chi^2/\text{NDF}: 1420.5/22$

Left In: 0.397 ± 0.031 $\chi^2/\text{NDF}: 6235.6/22$

Left: 0.466 ± 0.022 $\chi^2/\text{NDF}: 13331.6/47$

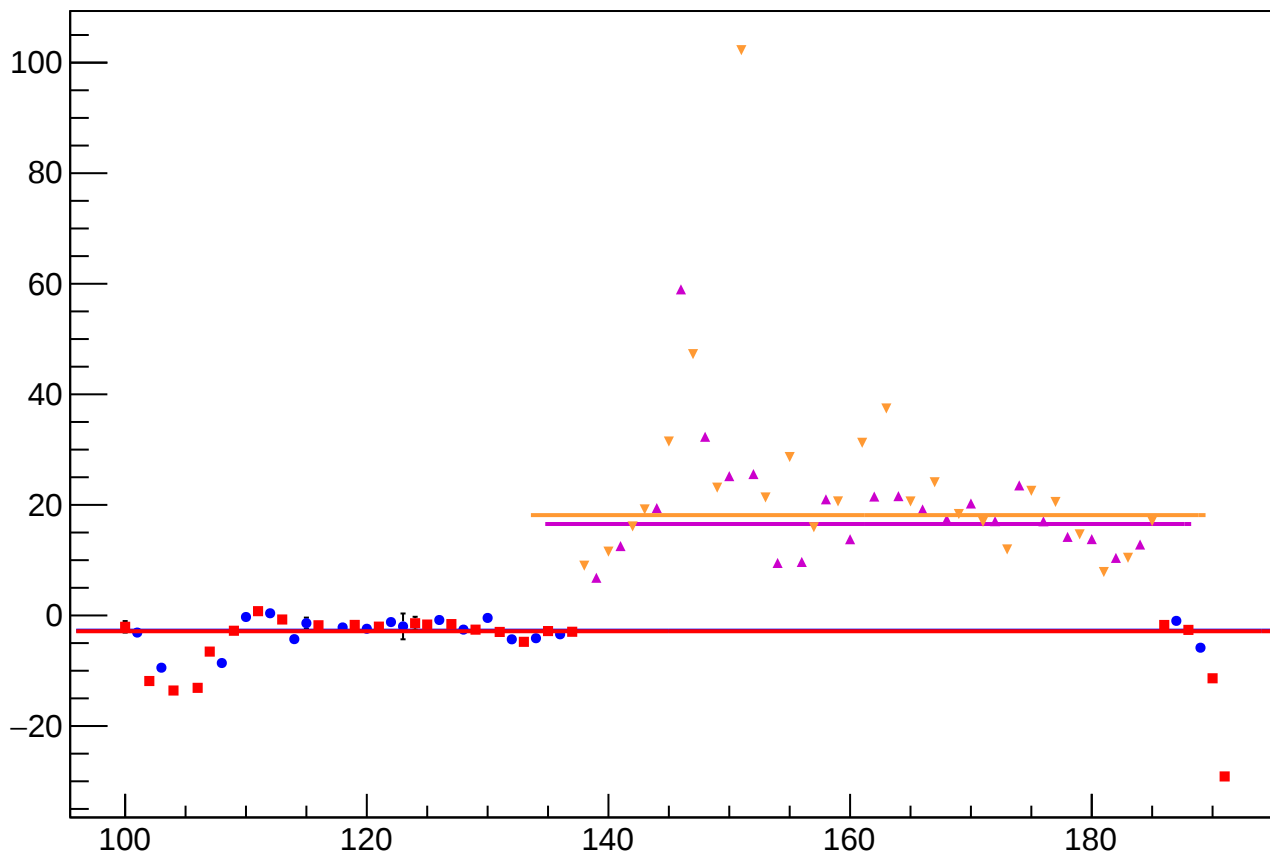
Right: 0.944 ± 0.040 $\chi^2/\text{NDF}: 2194.0/41$

In: 0.583 ± 0.027 $\chi^2/\text{NDF}: 7125.8/41$

Out: 0.578 ± 0.028 $\chi^2/\text{NDF}: 8510.1/47$

All: 0.581 ± 0.019 $\chi^2/\text{NDF}: 15635.9/89$

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.750 ± 0.091 $\chi^2/\text{NDF}: 739.5/18$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -2.859 ± 0.060 $\chi^2/\text{NDF}: 2624.4/22$

Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

Left: 17.318 ± 0.027 $\chi^2/\text{NDF}: 119577.9/47$

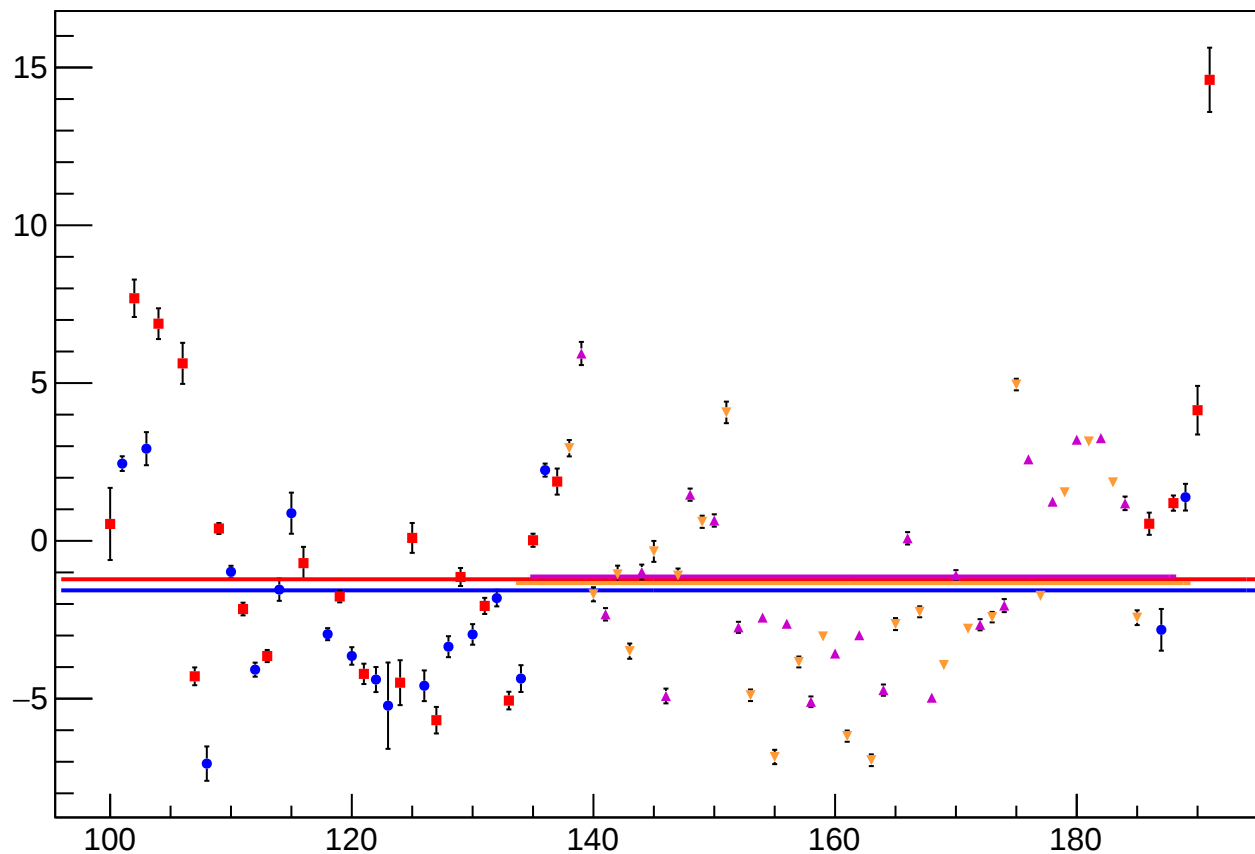
Right: -2.826 ± 0.050 $\chi^2/\text{NDF}: 3364.9/41$

In: 13.689 ± 0.035 $\chi^2/\text{NDF}: 80215.2/41$

Out: 11.867 ± 0.033 $\chi^2/\text{NDF}: 166842.5/47$

All: 12.721 ± 0.024 $\chi^2/\text{NDF}: 248509.6/89$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.569 ± 0.070 χ^2/NDF : 1311.8/18

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -1.217 ± 0.062 χ^2/NDF : 1945.9/22

Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

Left: -1.228 ± 0.025 χ^2/NDF : 14701.0/47

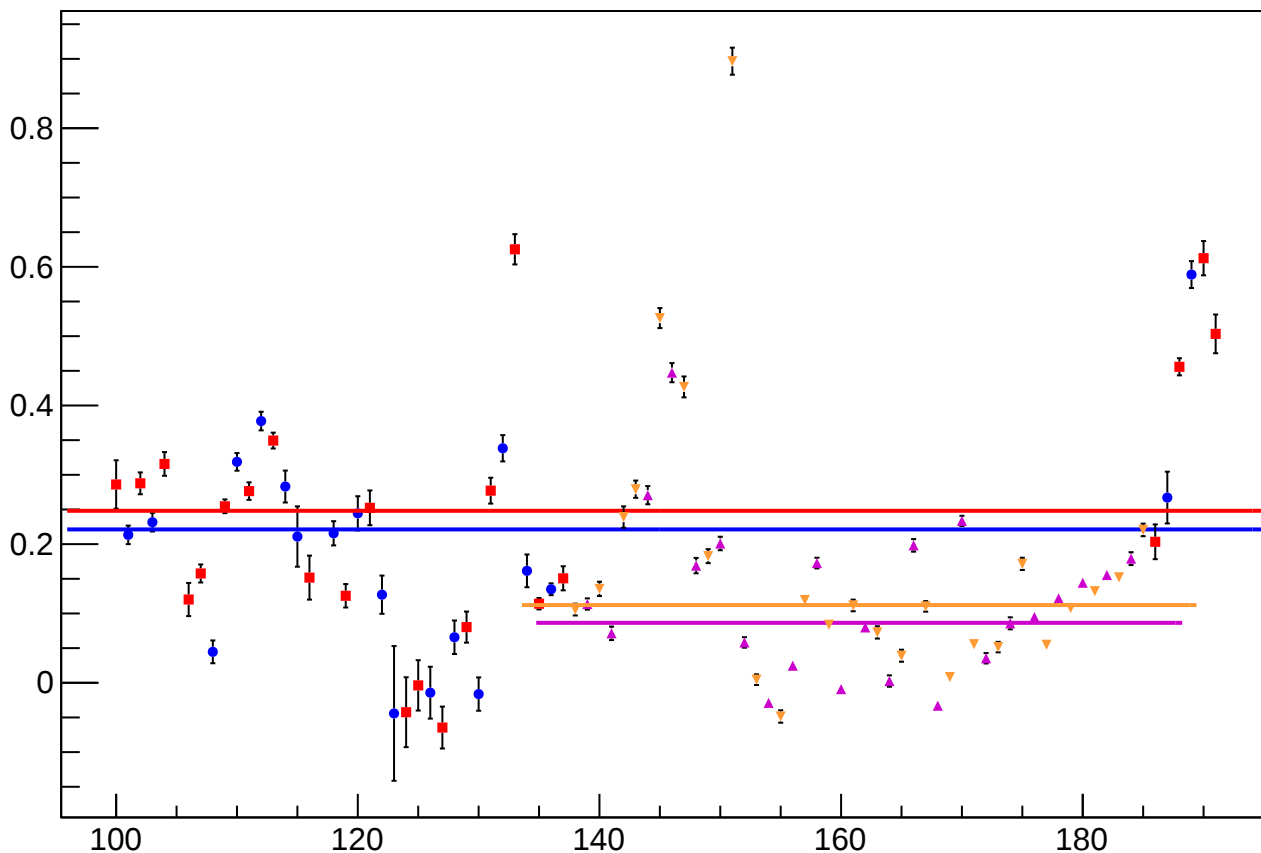
Right: -1.372 ± 0.046 χ^2/NDF : 3271.9/41

In: -1.214 ± 0.031 χ^2/NDF : 8083.9/41

Out: -1.307 ± 0.031 χ^2/NDF : 9891.8/47

All: -1.260 ± 0.022 χ^2/NDF : 17980.3/89

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.221 $\pm$ 0.004 χ^2/NDF : 1022.5/18

Left Out: 0.112 $\pm$ 0.002 χ^2/NDF :4503.9/24

Right Out: 0.248 $\pm$ 0.003 χ^2/NDF : 1669.7/22

Left In: 0.087 $\pm$ 0.002 χ^2/NDF :3655.4/22

Left: 0.098 $\pm$ 0.001 χ^2/NDF : 8295.3/47

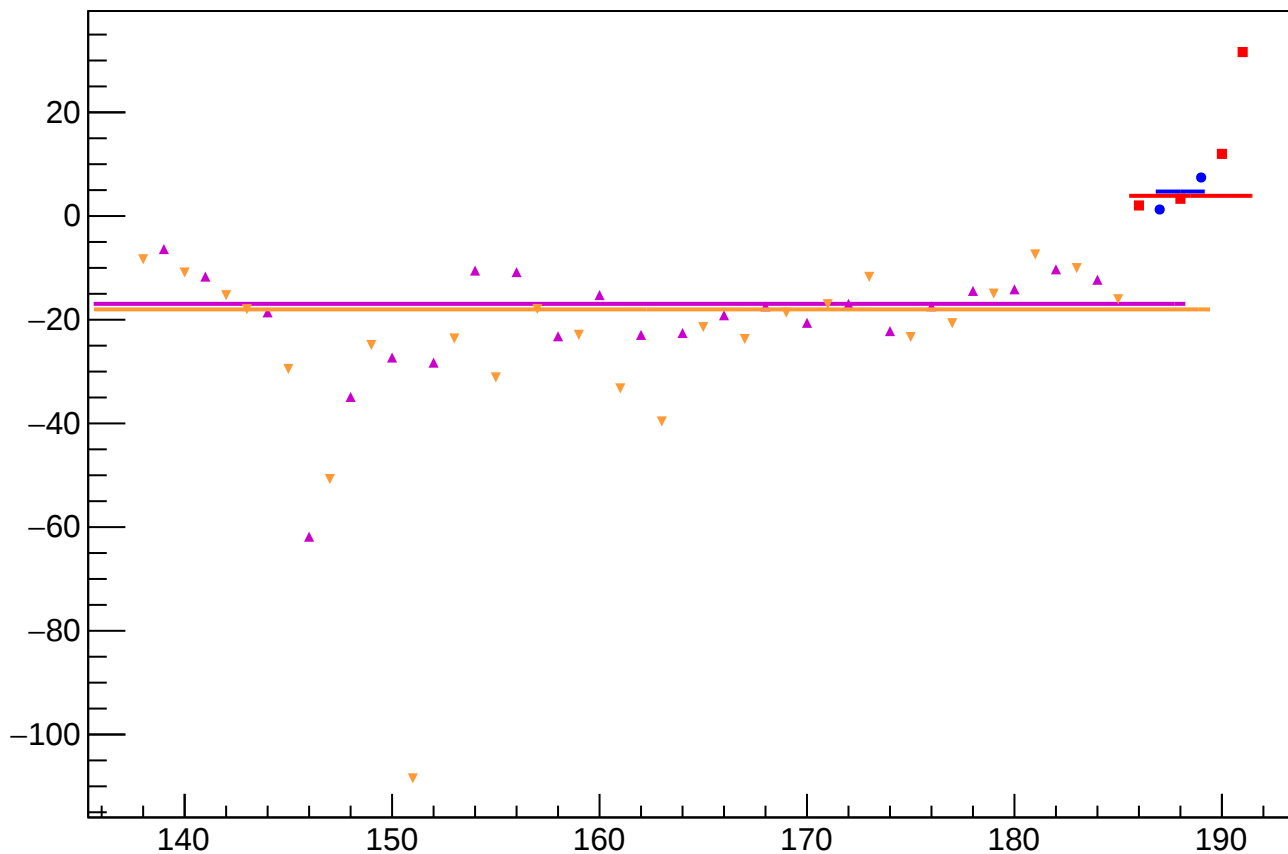
Right: 0.237 $\pm$ 0.003 χ^2/NDF : 2717.9/41

In: 0.103 $\pm$ 0.001 χ^2/NDF :5653.9/41

Out: 0.136 $\pm$ 0.001 χ^2/NDF :7453.6/47

All: 0.119 $\pm$ 0.001 χ^2/NDF : 13381.2/89

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.727 $\pm$ 0.186 χ^2 /NDF: 271.4/1

Left Out: -18.005 $\pm$ 0.039 χ^2 /NDF:88391.0/24

Right Out: 3.898 $\pm$ 0.091 χ^2 /NDF: 1678.3/3

Left In: -16.934 $\pm$ 0.038 χ^2 /NDF:44060.6/22

Left: -17.459 $\pm$ 0.027 χ^2 /NDF: 132843.0/47

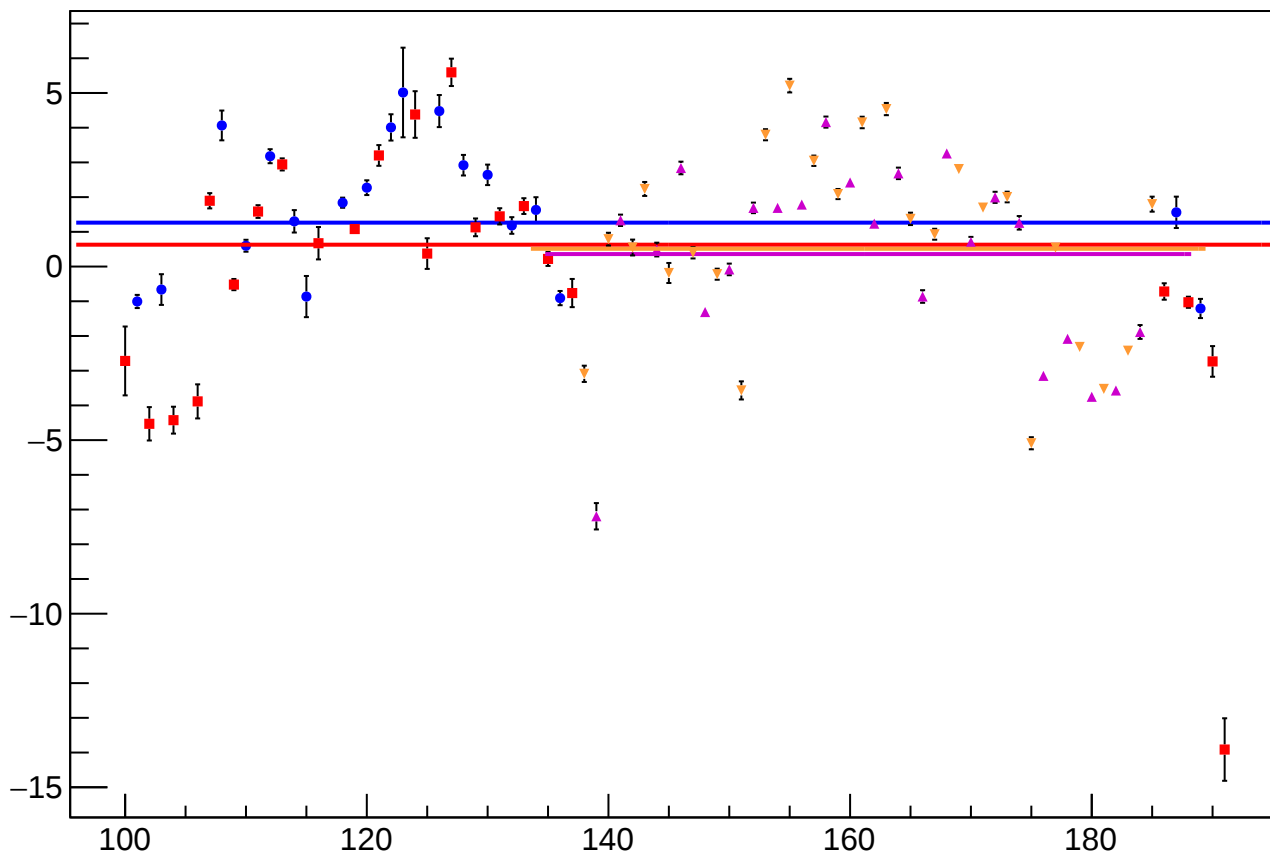
Right: 4.059 $\pm$ 0.082 χ^2 /NDF: 1965.7/5

In: -16.069 $\pm$ 0.037 χ^2 /NDF:57371.3/24

Out: -14.677 $\pm$ 0.036 χ^2 /NDF:138884.5/28

All: -15.343 $\pm$ 0.026 χ^2 /NDF: 196988.3/53

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.265 ± 0.060 $\chi^2/\text{NDF}: 716.4/18$

Left Out: 0.511 ± 0.032 $\chi^2/\text{NDF}: 7070.4/24$

Right Out: 0.630 ± 0.053 $\chi^2/\text{NDF}: 1456.9/22$

Left In: 0.360 ± 0.031 $\chi^2/\text{NDF}: 6221.1/22$

Left: 0.432 ± 0.022 $\chi^2/\text{NDF}: 13303.2/47$

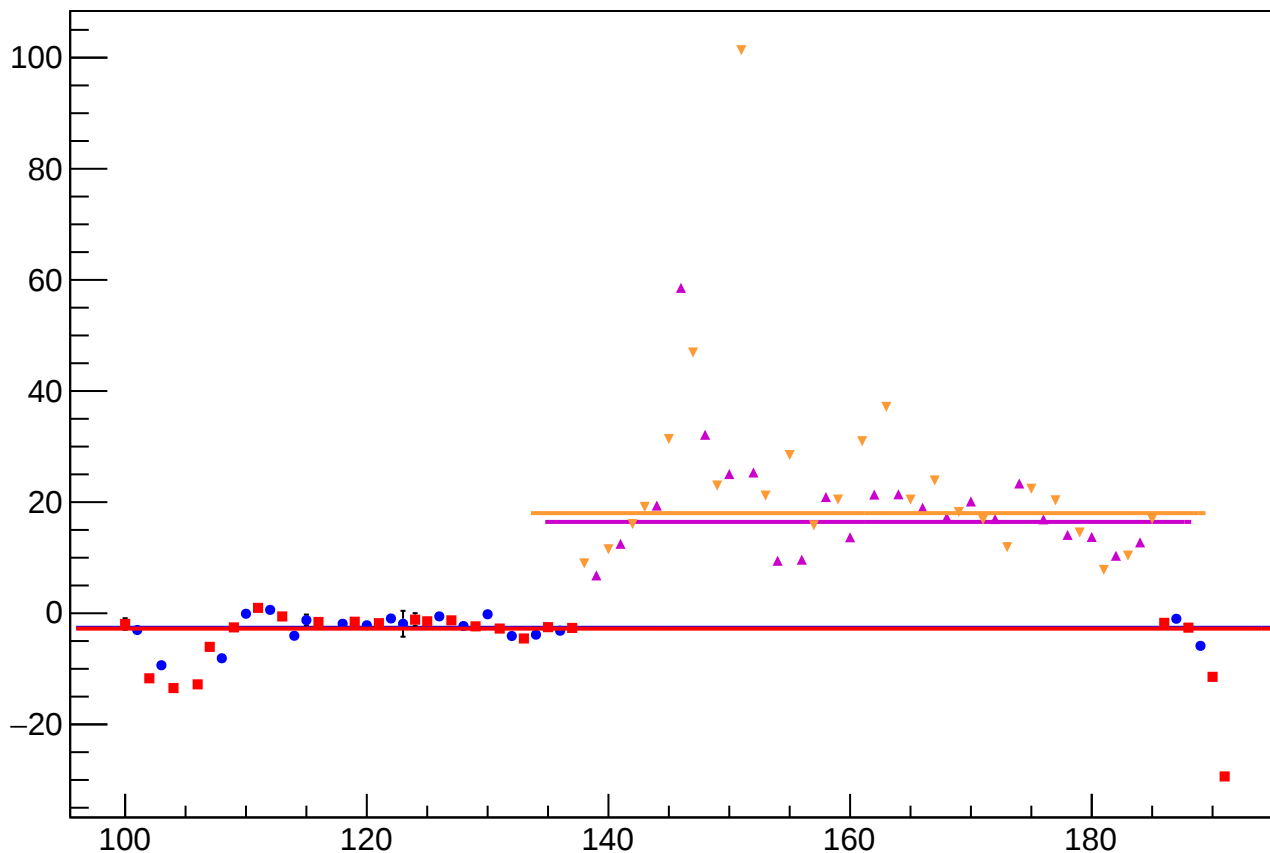
Right: 0.906 ± 0.039 $\chi^2/\text{NDF}: 2237.0/41$

In: 0.547 ± 0.027 $\chi^2/\text{NDF}: 7119.5/41$

Out: 0.544 ± 0.027 $\chi^2/\text{NDF}: 8530.9/47$

All: 0.545 ± 0.019 $\chi^2/\text{NDF}: 15650.5/89$

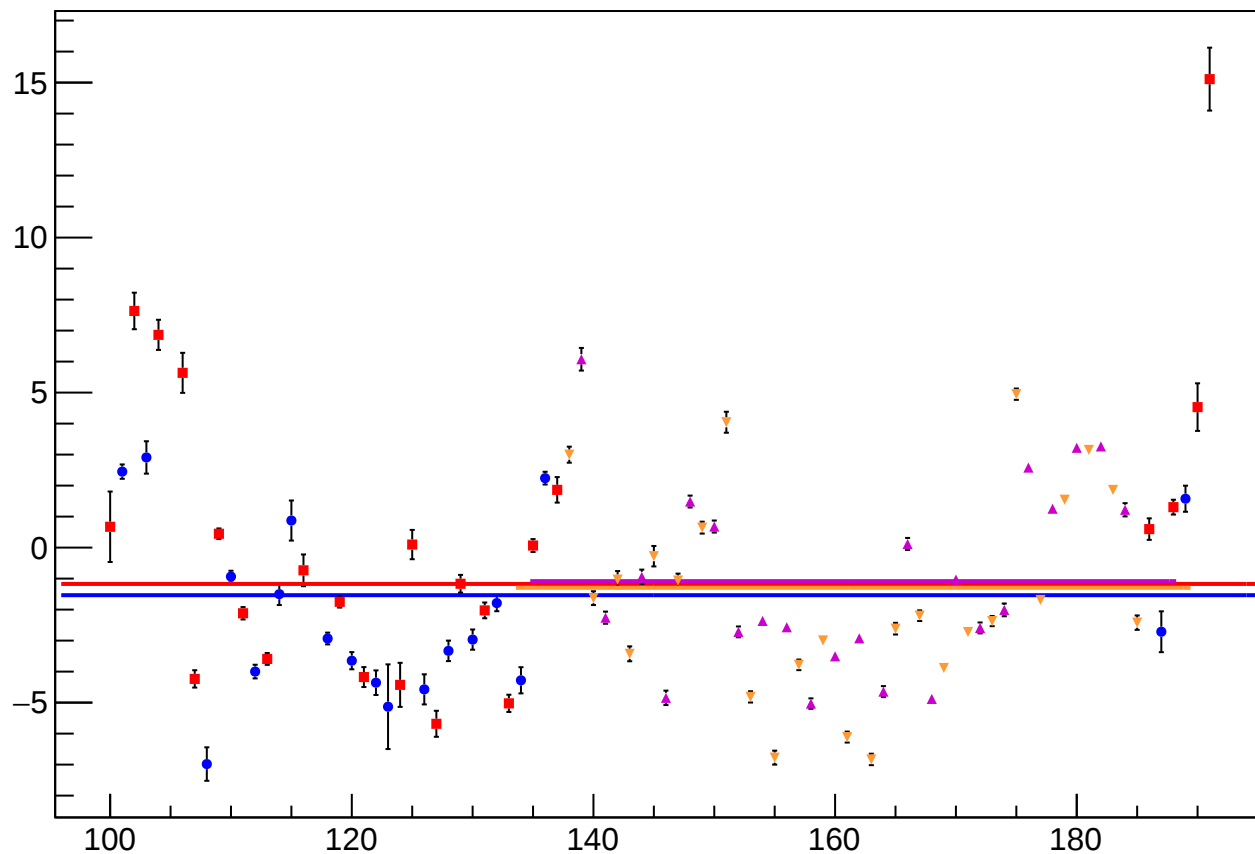
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.610 ± 0.090 $\chi^2/\text{NDF}: 766.3/18$
 Left Out: 18.027 ± 0.039 $\chi^2/\text{NDF}: 77718.1/24$
 Right Out: -2.765 ± 0.059 $\chi^2/\text{NDF}: 2690.4/22$
 Left In: 16.443 ± 0.038 $\chi^2/\text{NDF}: 40780.6/22$

Left: 17.207 ± 0.027 $\chi^2/\text{NDF}: 119360.0/47$
 Right: -2.718 ± 0.050 $\chi^2/\text{NDF}: 3458.7/41$
 In: 13.633 ± 0.035 $\chi^2/\text{NDF}: 79588.9/41$
 Out: 11.789 ± 0.032 $\chi^2/\text{NDF}: 166472.2/47$
 All: 12.652 ± 0.024 $\chi^2/\text{NDF}: 247570.4/89$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.535 ± 0.070 χ^2/NDF : 1312.2/18

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -1.172 ± 0.062 χ^2/NDF : 1983.7/22

Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

Left: -1.184 ± 0.025 χ^2/NDF : 14668.4/47

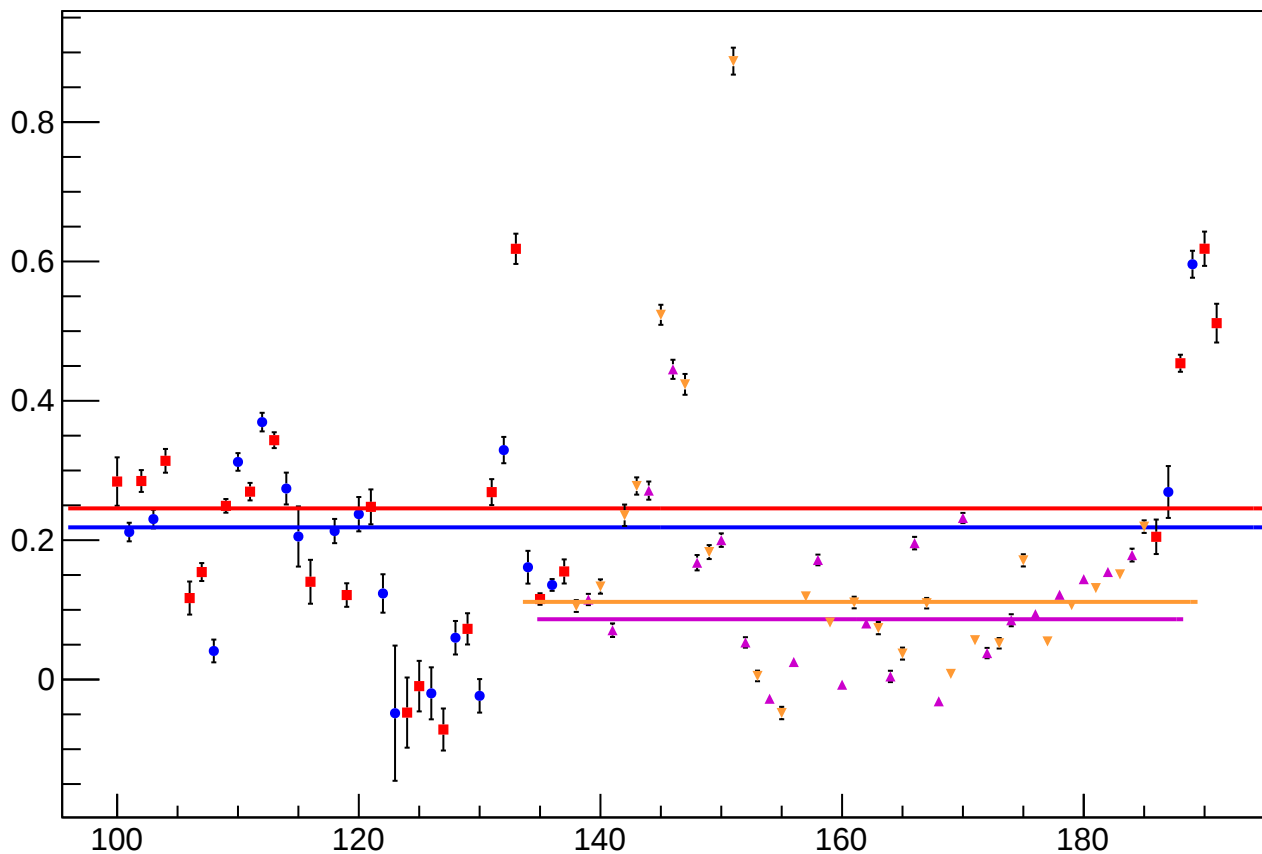
Right: -1.332 ± 0.046 χ^2/NDF : 3311.2/41

In: -1.169 ± 0.030 χ^2/NDF : 8070.6/41

Out: -1.266 ± 0.031 χ^2/NDF : 9911.9/47

All: -1.217 ± 0.022 χ^2/NDF : 17987.6/89

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.218 $\pm$ 0.004 χ^2/NDF : 1031.8/18

Left Out: 0.111 $\pm$ 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.246 $\pm$ 0.003 χ^2/NDF : 1682.8/22

Left In: 0.087 $\pm$ 0.001 χ^2/NDF : 3625.5/22

Left: 0.098 $\pm$ 0.001 χ^2/NDF : 8251.9/47

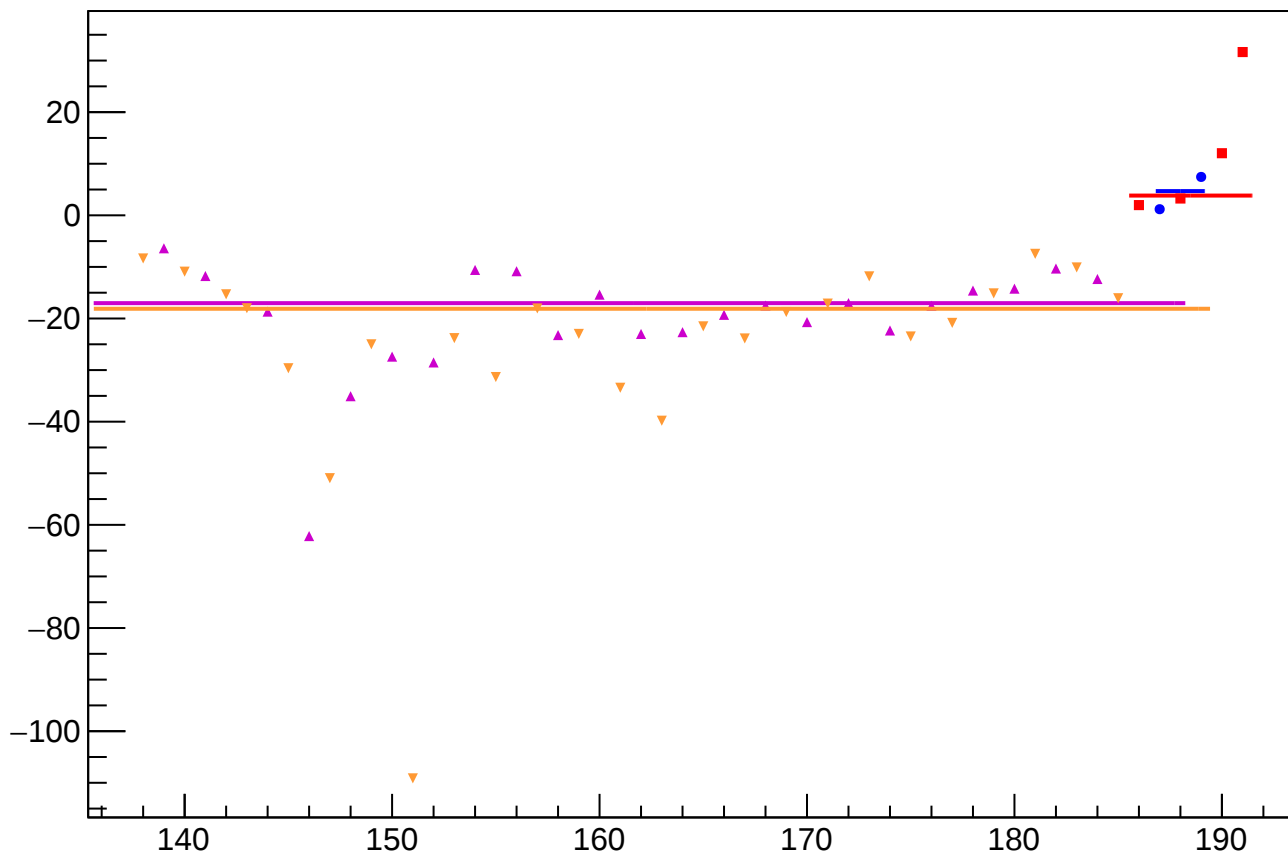
Right: 0.234 $\pm$ 0.003 χ^2/NDF : 2741.1/41

In: 0.102 $\pm$ 0.001 χ^2/NDF : 5601.8/41

Out: 0.135 $\pm$ 0.001 χ^2/NDF : 7439.4/47

All: 0.118 $\pm$ 0.001 χ^2/NDF : 13307.1/89

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.695 $\pm$ 0.187 χ^2 /NDF: 276.9/1

Left Out: -18.112 $\pm$ 0.039 χ^2 /NDF:88529.7/24

Right Out: 3.829 $\pm$ 0.091 χ^2 /NDF: 1687.6/3

Left In: -17.024 $\pm$ 0.038 χ^2 /NDF:44141.8/22

Left: -17.557 $\pm$ 0.027 χ^2 /NDF: 133072.9/47

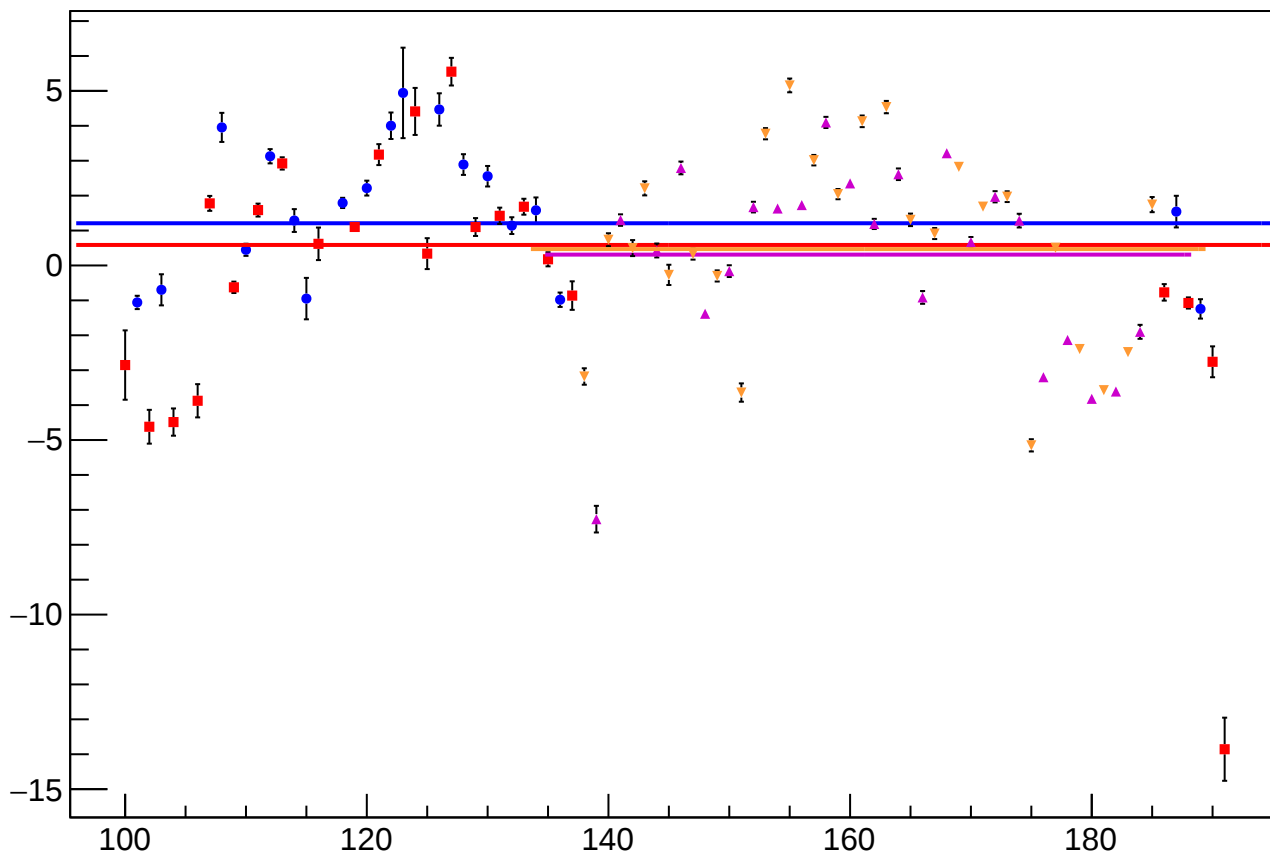
Right: 3.996 $\pm$ 0.082 χ^2 /NDF: 1981.9/5

In: -16.157 $\pm$ 0.037 χ^2 /NDF:57424.4/24

Out: -14.746 $\pm$ 0.036 χ^2 /NDF:139261.4/28

All: -15.421 $\pm$ 0.026 χ^2 /NDF: 197432.3/53

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.209 ± 0.060 $\chi^2/\text{NDF}: 719.3/18$

Left Out: 0.469 ± 0.032 $\chi^2/\text{NDF}: 7093.0/24$

Right Out: 0.588 ± 0.053 $\chi^2/\text{NDF}: 1462.8/22$

Left In: 0.311 ± 0.031 $\chi^2/\text{NDF}: 6183.1/22$

Left: 0.386 ± 0.022 $\chi^2/\text{NDF}: 13288.8/47$

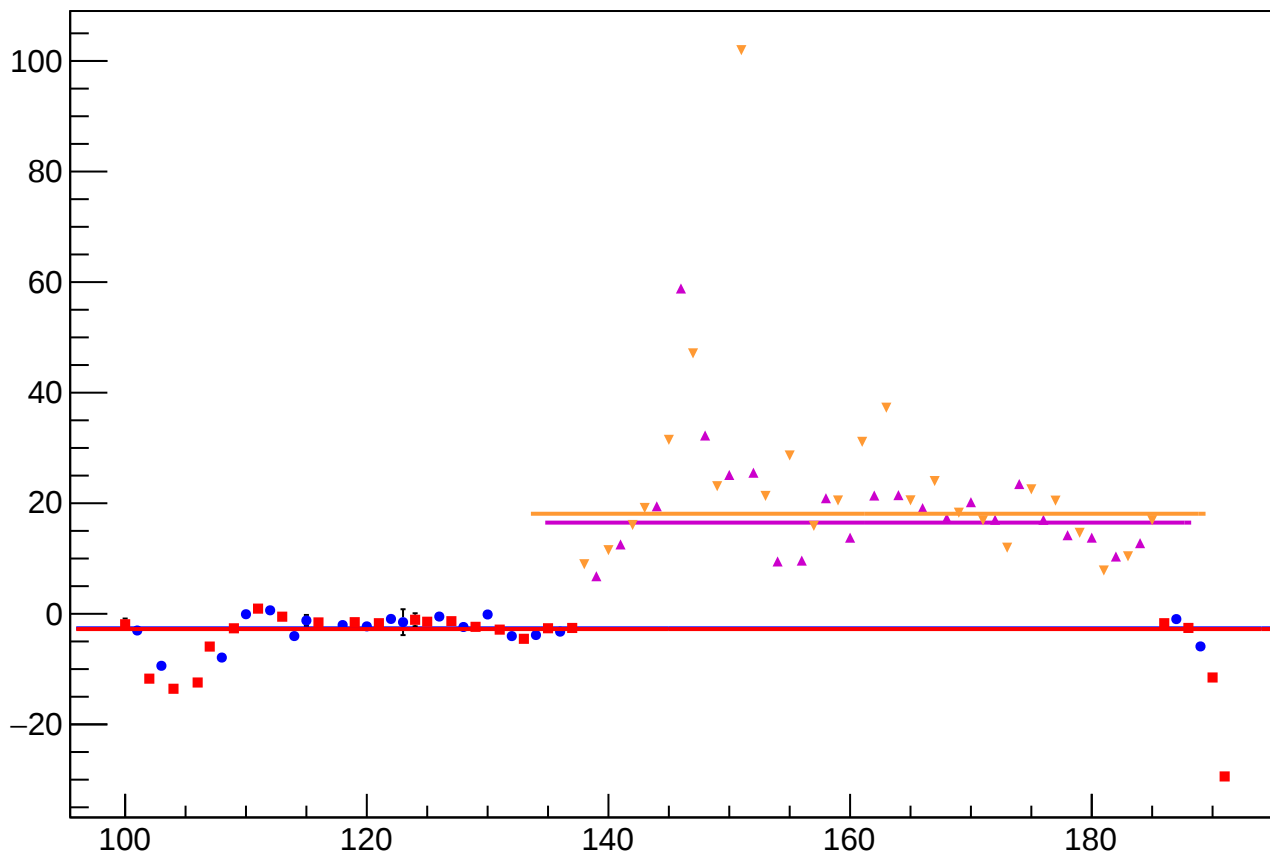
Right: 0.857 ± 0.040 $\chi^2/\text{NDF}: 2242.6/41$

In: 0.496 ± 0.027 $\chi^2/\text{NDF}: 7079.9/41$

Out: 0.501 ± 0.028 $\chi^2/\text{NDF}: 8559.6/47$

All: 0.499 ± 0.019 $\chi^2/\text{NDF}: 15639.5/89$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.626 ± 0.091 $\chi^2/\text{NDF}: 767.6/18$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -2.761 ± 0.059 $\chi^2/\text{NDF}: 2687.5/22$

Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

Left: 17.270 ± 0.027 $\chi^2/\text{NDF}: 119584.1/47$

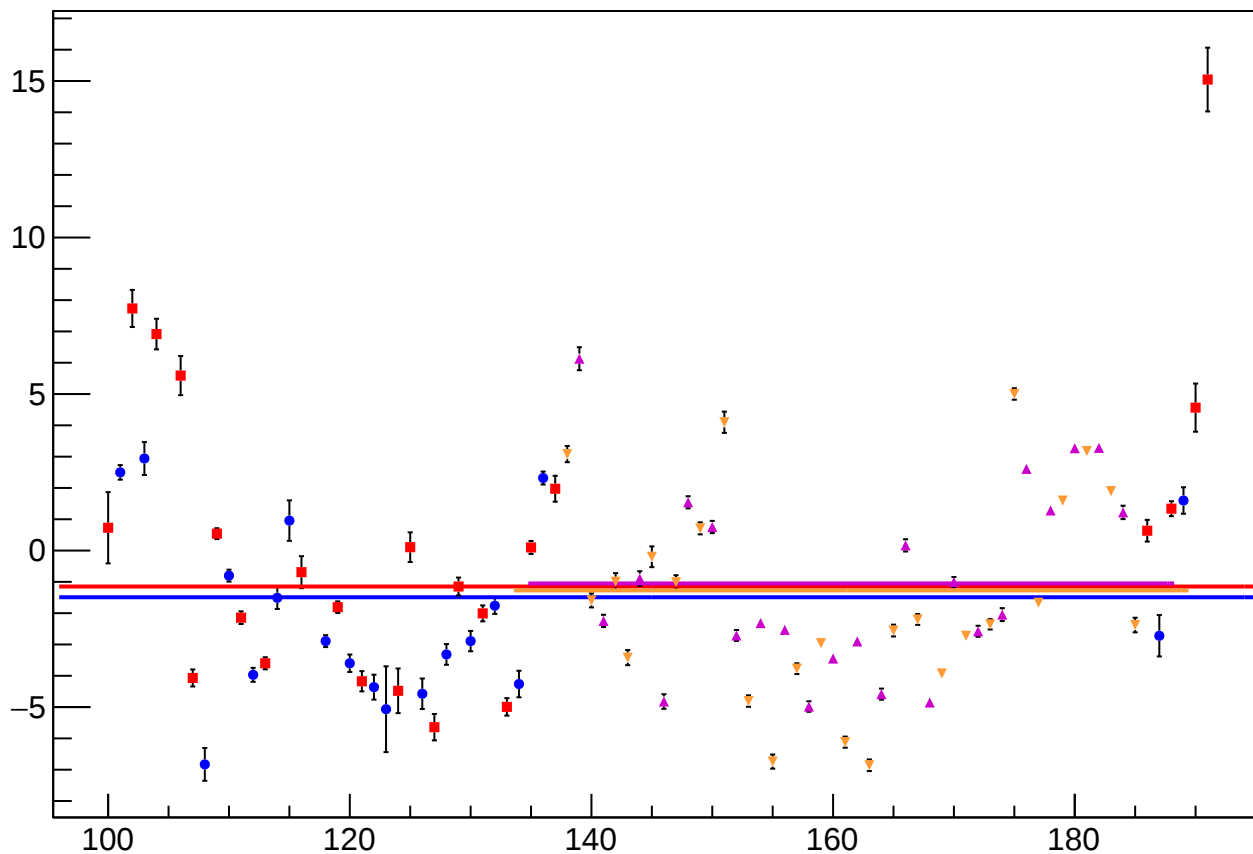
Right: -2.721 ± 0.050 $\chi^2/\text{NDF}: 3456.7/41$

In: 13.681 ± 0.035 $\chi^2/\text{NDF}: 79592.6/41$

Out: 11.811 ± 0.033 $\chi^2/\text{NDF}: 166849.7/47$

All: 12.686 ± 0.024 $\chi^2/\text{NDF}: 247982.2/89$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.491 ± 0.070 χ^2/NDF : 1316.0/18

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -1.149 ± 0.062 χ^2/NDF : 1991.6/22

Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

Left: -1.156 ± 0.025 χ^2/NDF : 14645.3/47

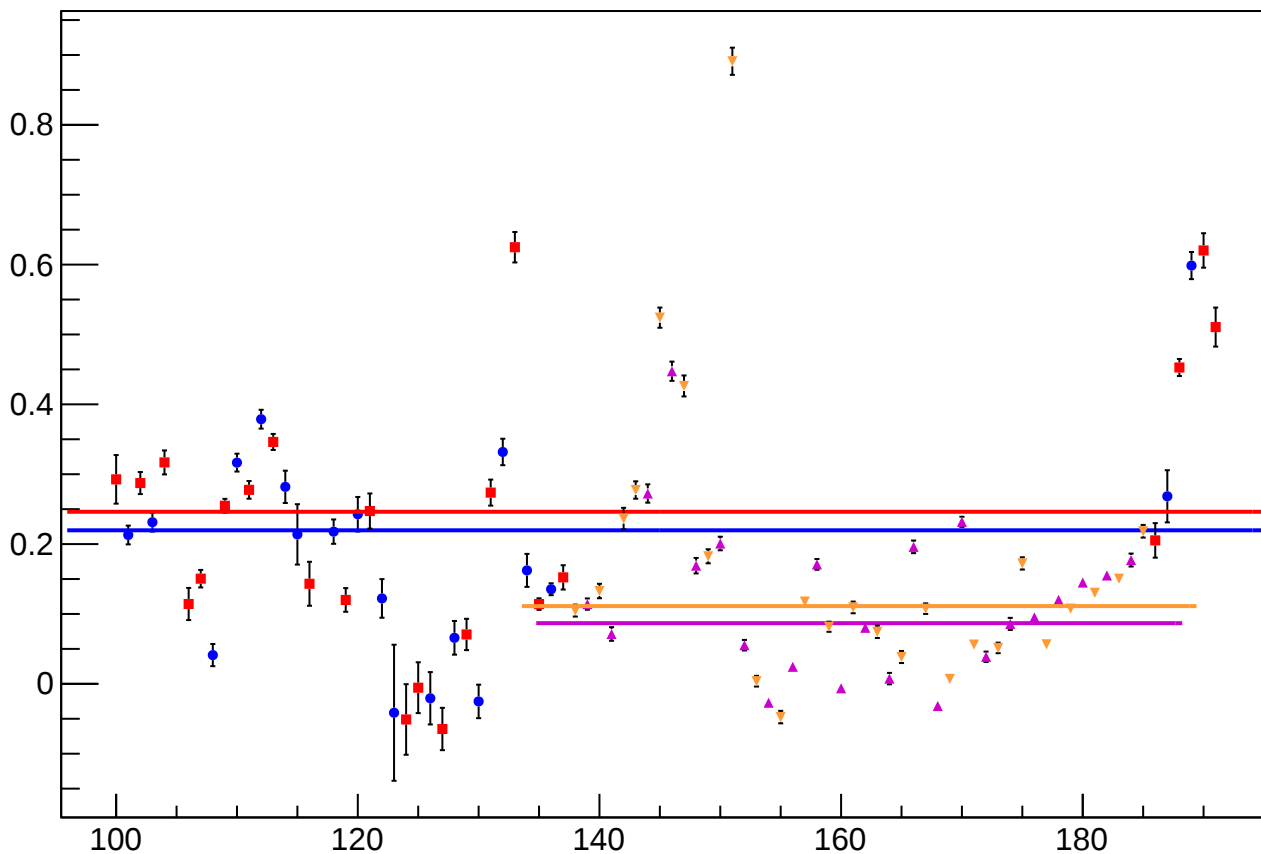
Right: -1.299 ± 0.046 χ^2/NDF : 3321.0/41

In: -1.135 ± 0.031 χ^2/NDF : 8021.6/41

Out: -1.242 ± 0.031 χ^2/NDF : 9946.2/47

All: -1.188 ± 0.022 χ^2/NDF : 17973.8/89

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.220 ± 0.004 $\chi^2/\text{NDF}: 1059.0/18$

Left Out: 0.111 ± 0.002 $\chi^2/\text{NDF}: 4474.5/24$

Right Out: 0.246 ± 0.003 $\chi^2/\text{NDF}: 1708.7/22$

Left In: 0.087 ± 0.001 $\chi^2/\text{NDF}: 3598.5/22$

Left: 0.098 ± 0.001 $\chi^2/\text{NDF}: 8197.1/47$

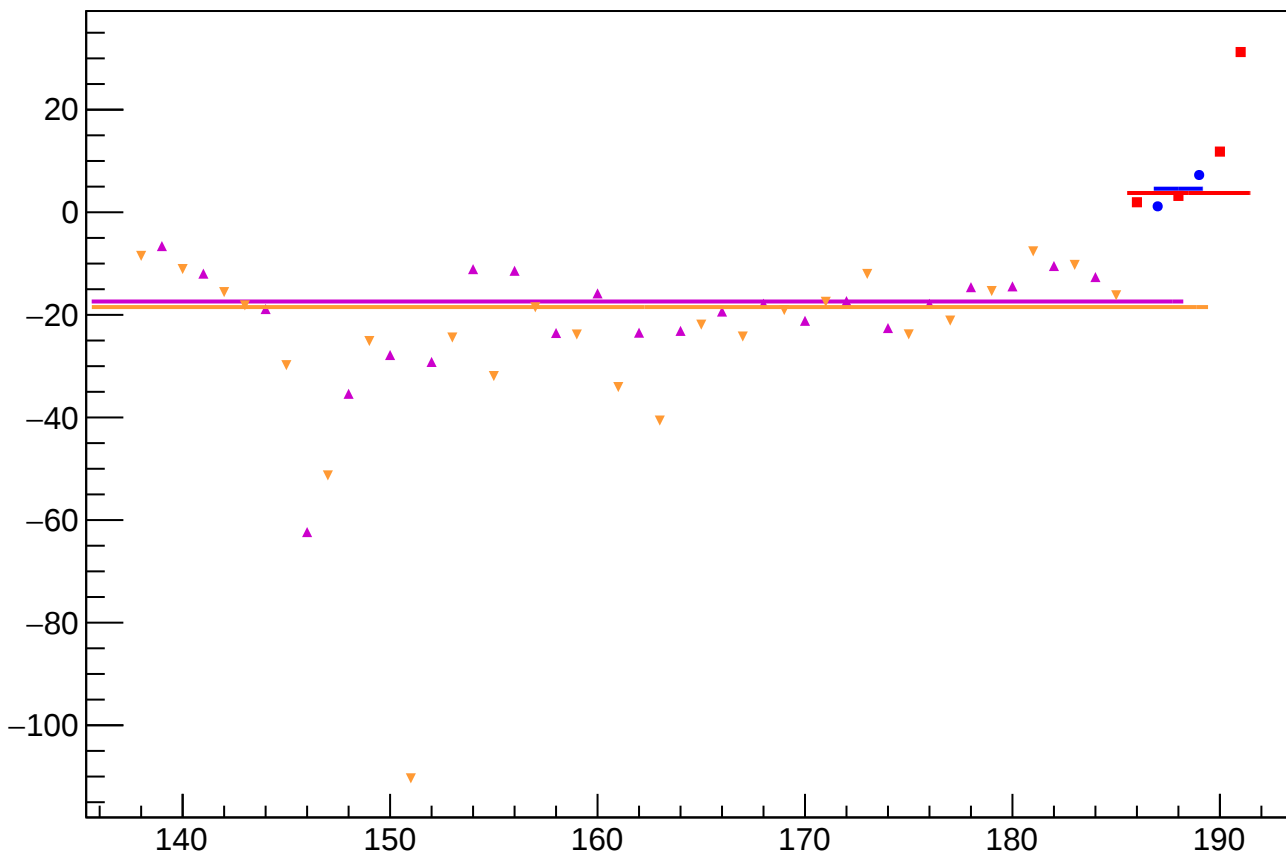
Right: 0.235 ± 0.003 $\chi^2/\text{NDF}: 2792.8/41$

In: 0.103 ± 0.001 $\chi^2/\text{NDF}: 5609.4/41$

Out: 0.135 ± 0.001 $\chi^2/\text{NDF}: 7454.3/47$

All: 0.119 ± 0.001 $\chi^2/\text{NDF}: 13321.6/89$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.598 ± 0.187 $\chi^2/\text{NDF}: 261.9/1$

Left Out: -18.479 ± 0.040 $\chi^2/\text{NDF}: 87883.4/24$

Right Out: 3.760 ± 0.091 $\chi^2/\text{NDF}: 1630.4/3$

Left In: -17.393 ± 0.039 $\chi^2/\text{NDF}: 43178.9/22$

Left: -17.926 ± 0.028 $\chi^2/\text{NDF}: 131443.9/47$

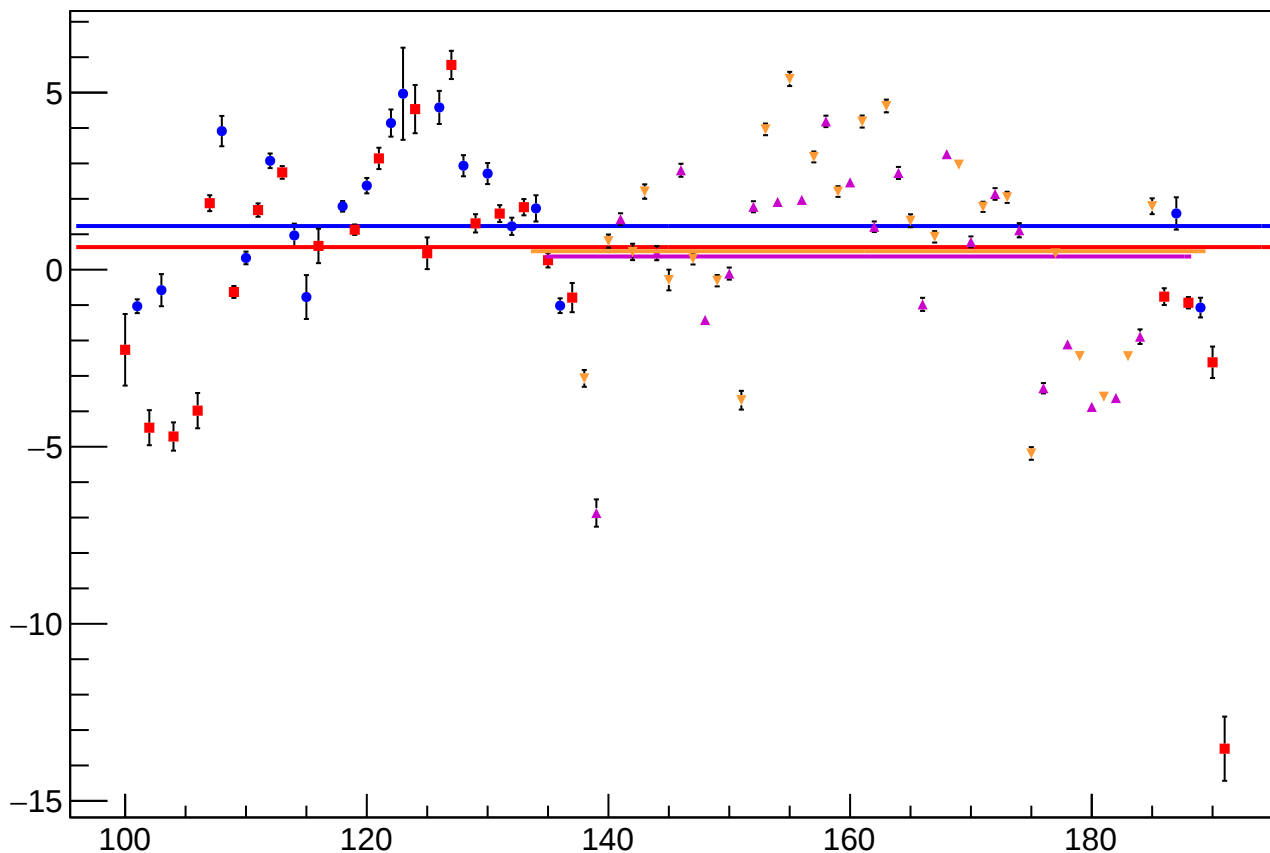
Right: 3.921 ± 0.082 $\chi^2/\text{NDF}: 1908.4/5$

In: -16.481 ± 0.038 $\chi^2/\text{NDF}: 56661.0/24$

Out: -14.952 ± 0.036 $\chi^2/\text{NDF}: 139284.3/28$

All: -15.681 ± 0.026 $\chi^2/\text{NDF}: 196785.4/53$

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.232 ± 0.061 $\chi^2/\text{NDF}: 708.6/18$

Left Out: 0.522 ± 0.033 $\chi^2/\text{NDF}: 7055.1/24$

Right Out: 0.638 ± 0.054 $\chi^2/\text{NDF}: 1406.2/22$

Left In: 0.371 ± 0.031 $\chi^2/\text{NDF}: 6217.4/22$

Left: 0.443 ± 0.023 $\chi^2/\text{NDF}: 13283.4/47$

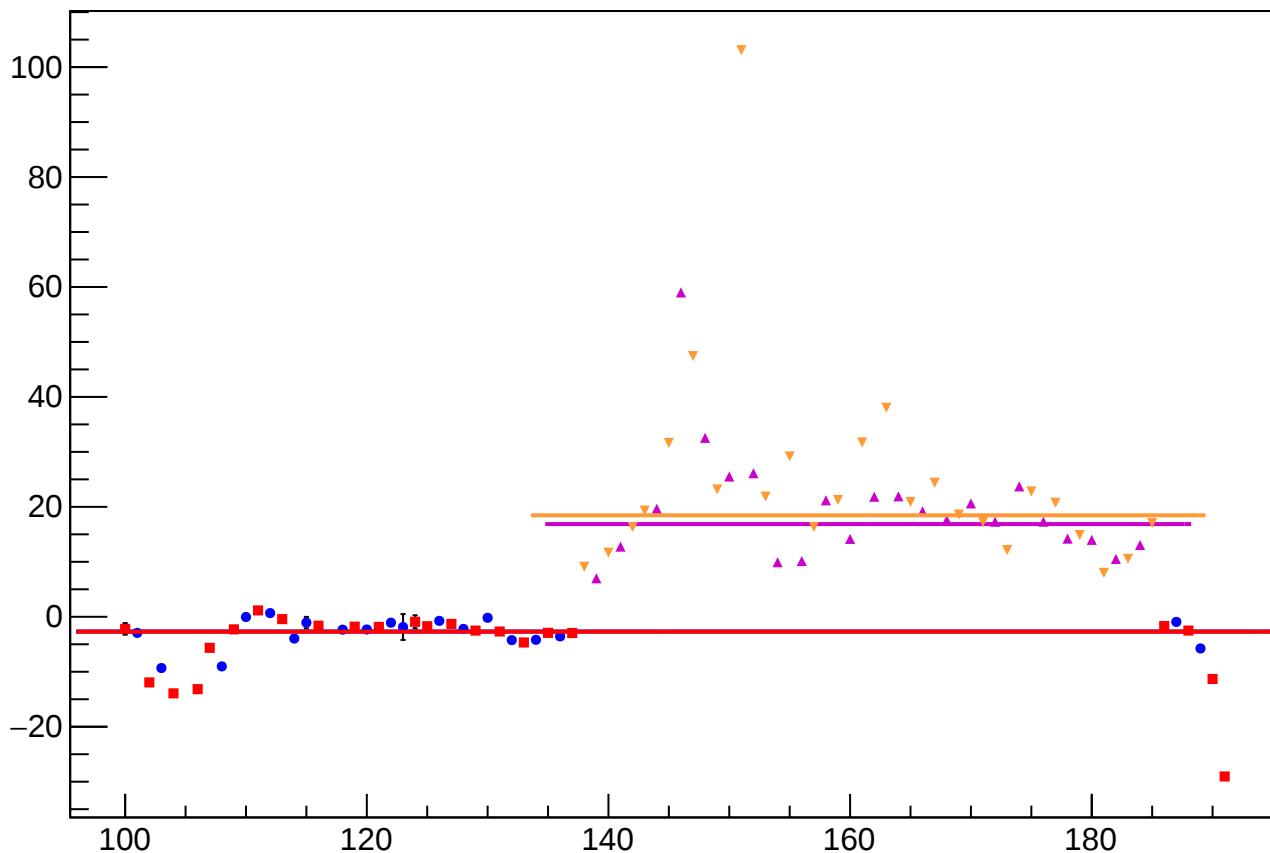
Right: 0.896 ± 0.040 $\chi^2/\text{NDF}: 2168.3/41$

In: 0.551 ± 0.028 $\chi^2/\text{NDF}: 7083.1/41$

Out: 0.553 ± 0.028 $\chi^2/\text{NDF}: 8464.7/47$

All: 0.552 ± 0.020 $\chi^2/\text{NDF}: 15547.7/89$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.669 ± 0.092 $\chi^2/\text{NDF}: 763.4/18$

Left Out: 18.467 ± 0.040 $\chi^2/\text{NDF}: 77226.7/24$

Right Out: -2.713 ± 0.060 $\chi^2/\text{NDF}: 2648.3/22$

Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

Left: 17.640 ± 0.028 $\chi^2/\text{NDF}: 117837.8/47$

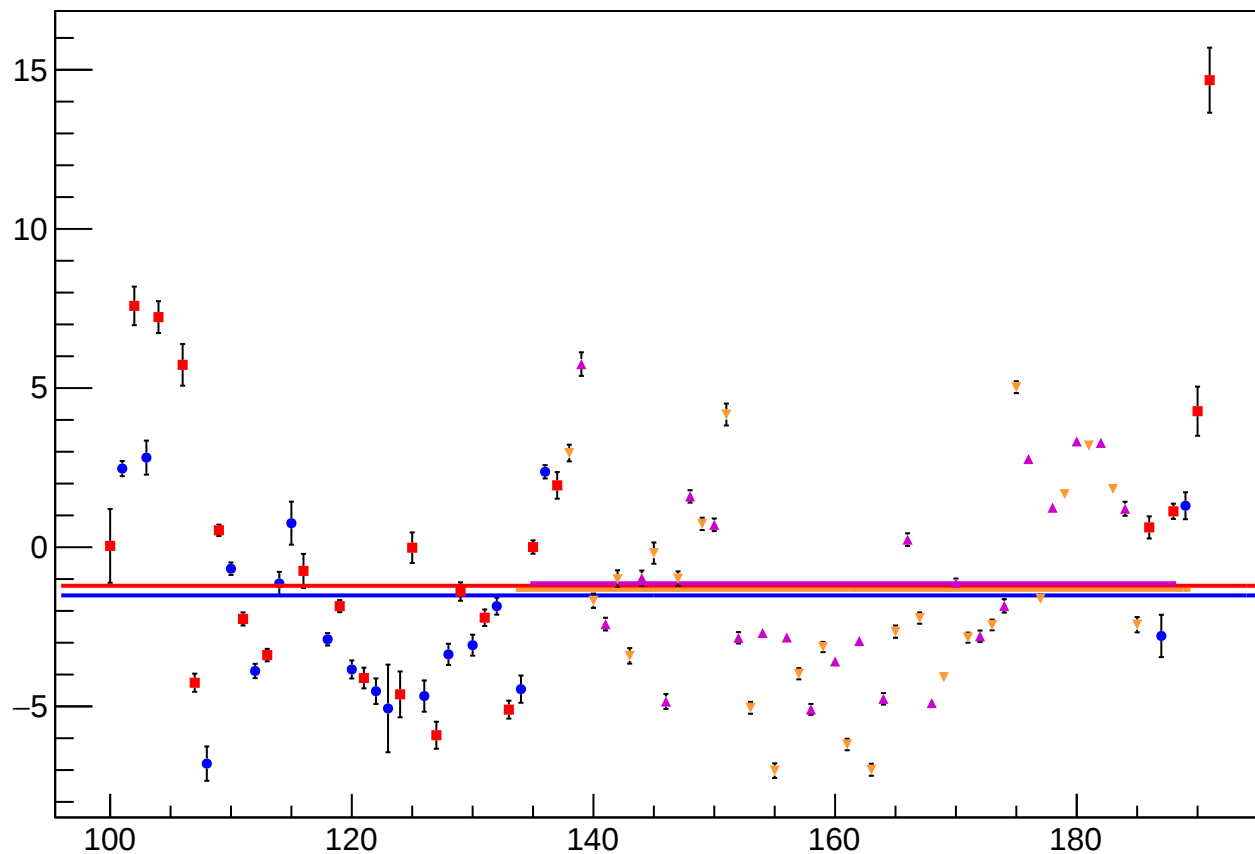
Right: -2.700 ± 0.050 $\chi^2/\text{NDF}: 3411.9/41$

In: 13.936 ± 0.036 $\chi^2/\text{NDF}: 79031.3/41$

Out: 11.962 ± 0.033 $\chi^2/\text{NDF}: 166481.0/47$

All: 12.882 ± 0.024 $\chi^2/\text{NDF}: 247159.2/89$

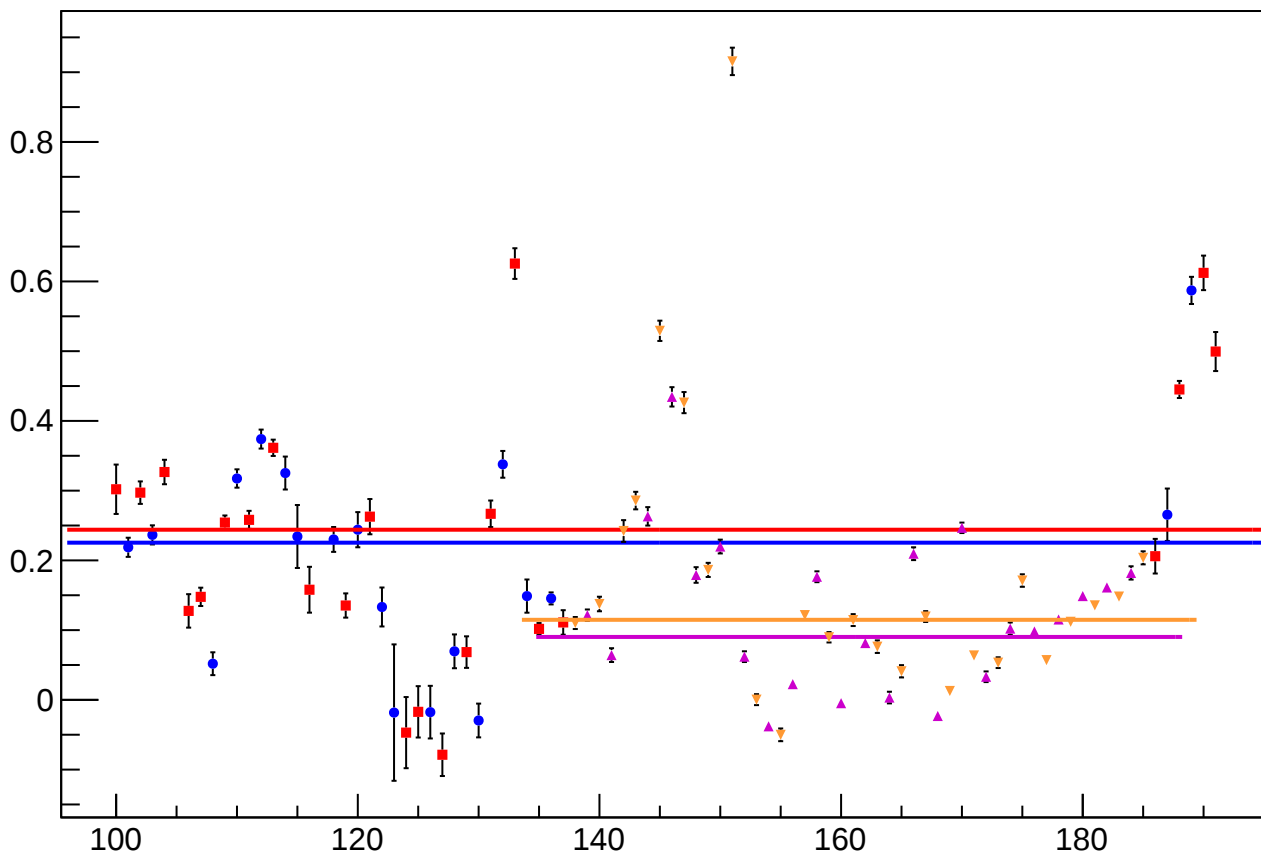
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.513 ± 0.071 χ^2/NDF : 1296.5/18
 Left Out: -1.340 ± 0.037 χ^2/NDF : 7907.4/24
 Right Out: -1.210 ± 0.063 χ^2/NDF : 1921.8/22
 Left In: -1.132 ± 0.035 χ^2/NDF : 6708.5/22

Left: -1.231 ± 0.025 χ^2/NDF : 14632.9/47
 Right: -1.344 ± 0.047 χ^2/NDF : 3228.4/41
 In: -1.206 ± 0.031 χ^2/NDF : 8028.2/41
 Out: -1.307 ± 0.032 χ^2/NDF : 9832.3/47
 All: -1.256 ± 0.022 χ^2/NDF : 17865.8/89

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.225 $\pm$ 0.004 χ^2 /NDF: 987.0/18

Left Out: 0.115 $\pm$ 0.002 χ^2 /NDF:4431.9/24

Right Out: 0.244 $\pm$ 0.003 χ^2 /NDF: 1742.2/22

Left In: 0.090 $\pm$ 0.002 χ^2 /NDF:3676.5/22

Left: 0.102 $\pm$ 0.001 χ^2 /NDF: 8228.2/47

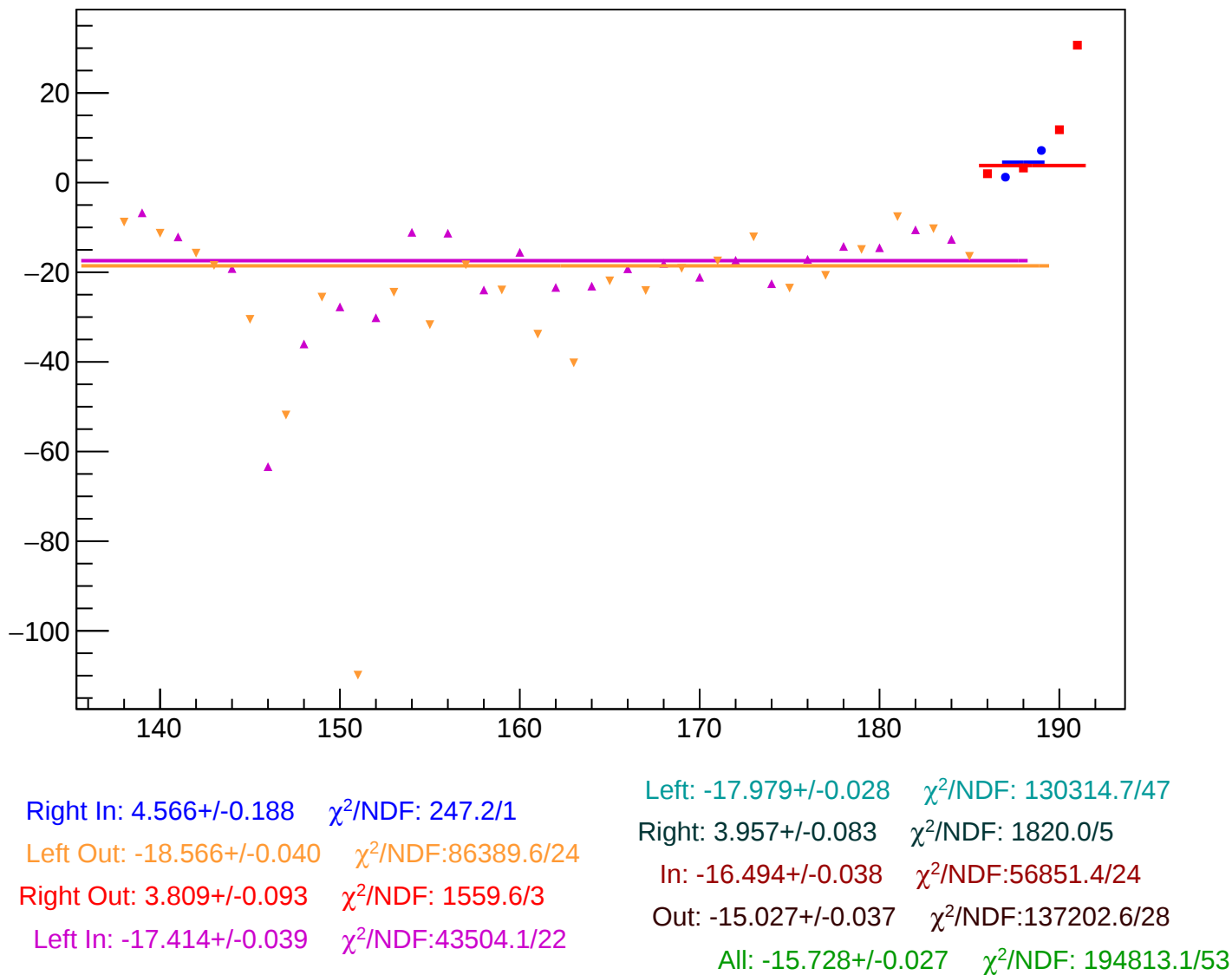
Right: 0.236 $\pm$ 0.003 χ^2 /NDF: 2741.1/41

In: 0.107 $\pm$ 0.001 χ^2 /NDF:5614.2/41

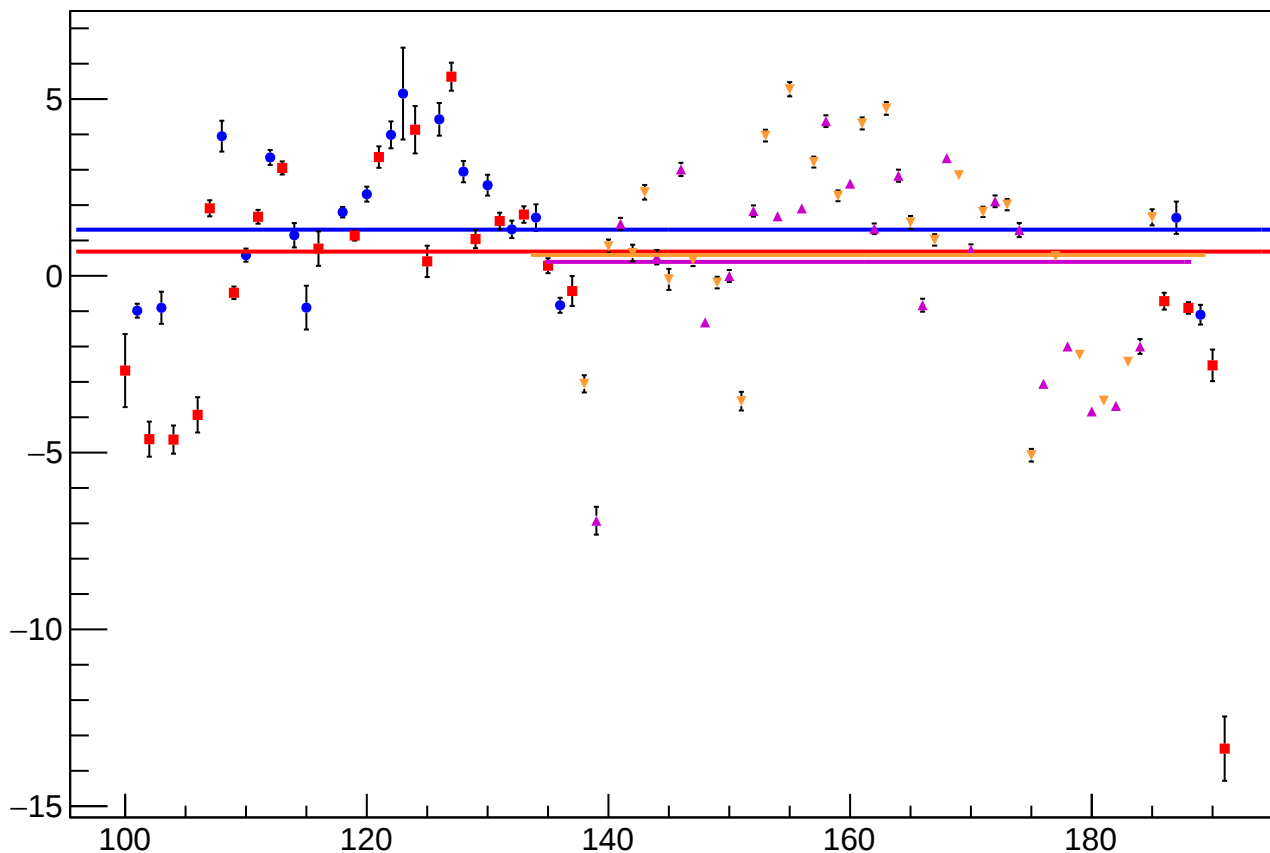
Out: 0.138 $\pm$ 0.001 χ^2 /NDF:7294.4/47

All: 0.122 $\pm$ 0.001 χ^2 /NDF: 13136.2/89

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.306 $\pm$ 0.062 χ^2 /NDF: 678.1/18

Left Out: 0.591 $\pm$ 0.033 χ^2 /NDF: 6796.5/24

Right Out: 0.686 $\pm$ 0.054 χ^2 /NDF: 1387.1/22

Left In: 0.394 $\pm$ 0.032 χ^2 /NDF: 6059.8/22

Left: 0.488 $\pm$ 0.023 χ^2 /NDF: 12874.6/47

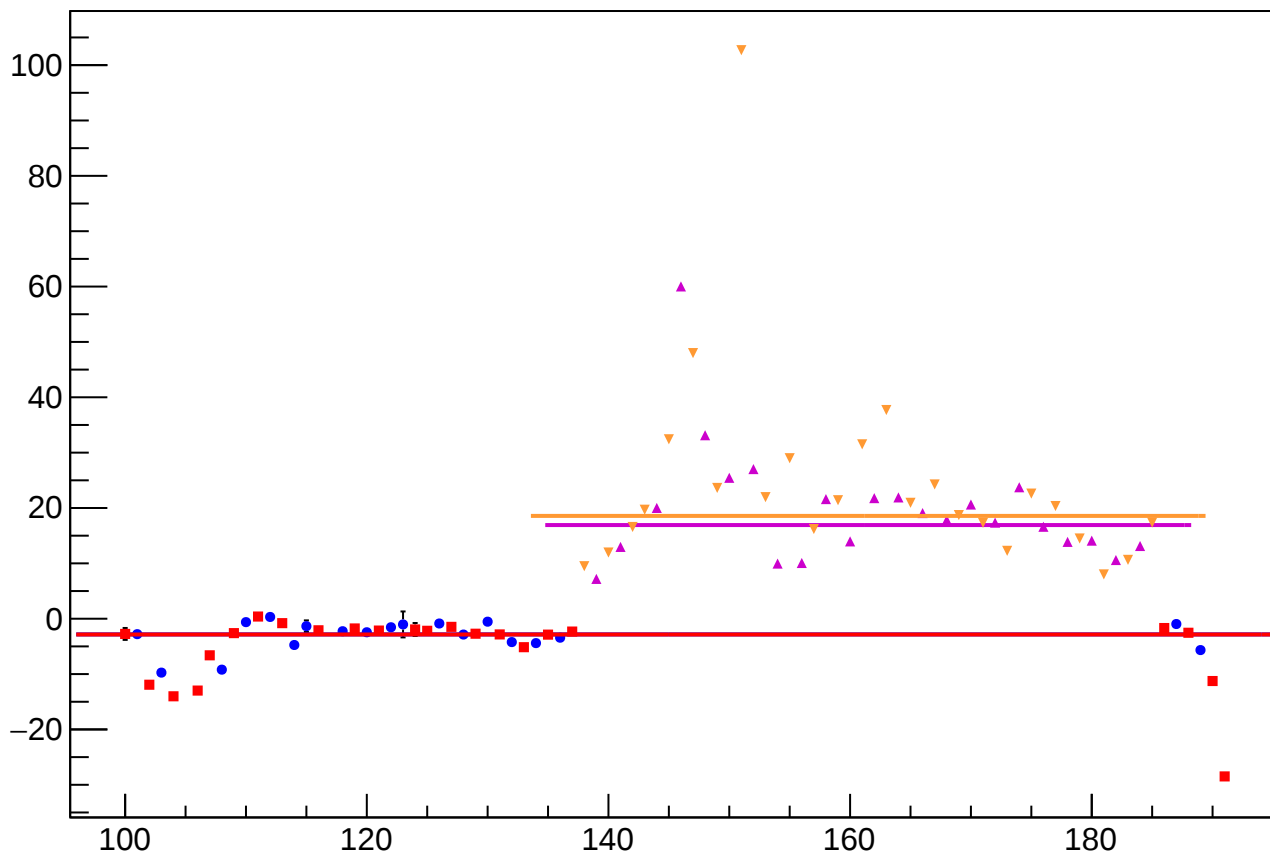
Right: 0.957 $\pm$ 0.041 χ^2 /NDF: 2122.3/41

In: 0.585 $\pm$ 0.028 χ^2 /NDF: 6911.2/41

Out: 0.617 $\pm$ 0.028 χ^2 /NDF: 8185.9/47

All: 0.601 $\pm$ 0.020 χ^2 /NDF: 15097.7/89

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.833 ± 0.093 $\chi^2/\text{NDF}: 682.5/18$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -2.849 ± 0.061 $\chi^2/\text{NDF}: 2478.3/22$

Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

Left: 17.718 ± 0.028 $\chi^2/\text{NDF}: 117057.3/47$

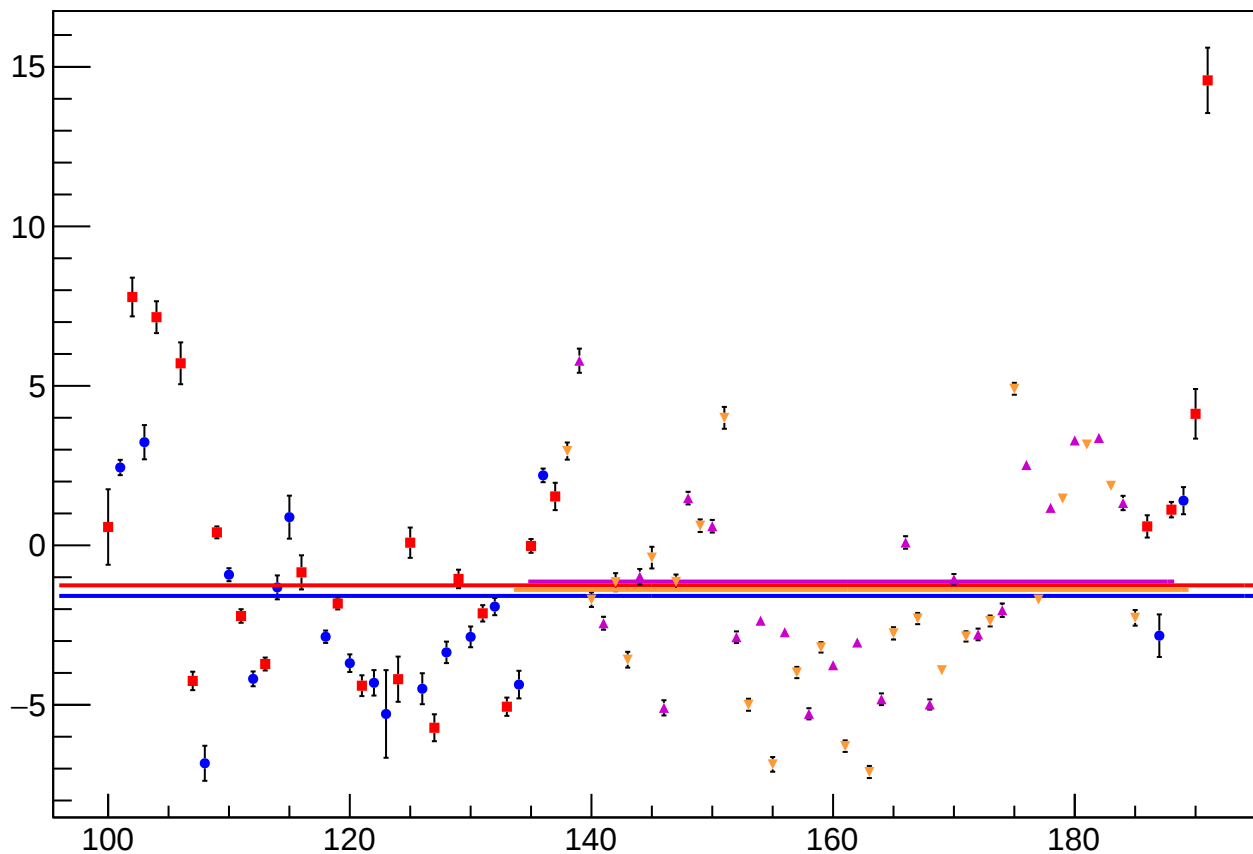
Right: -2.844 ± 0.051 $\chi^2/\text{NDF}: 3160.8/41$

In: 13.968 ± 0.036 $\chi^2/\text{NDF}: 79346.2/41$

Out: 12.046 ± 0.034 $\chi^2/\text{NDF}: 164763.2/47$

All: 12.943 ± 0.025 $\chi^2/\text{NDF}: 245637.8/89$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.586 ± 0.072 χ^2/NDF : 1244.7/18

Left Out: -1.396 ± 0.037 χ^2/NDF : 7651.5/24

Right Out: -1.254 ± 0.064 χ^2/NDF : 1887.8/22

Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

Left: -1.259 ± 0.025 χ^2/NDF : 14275.6/47

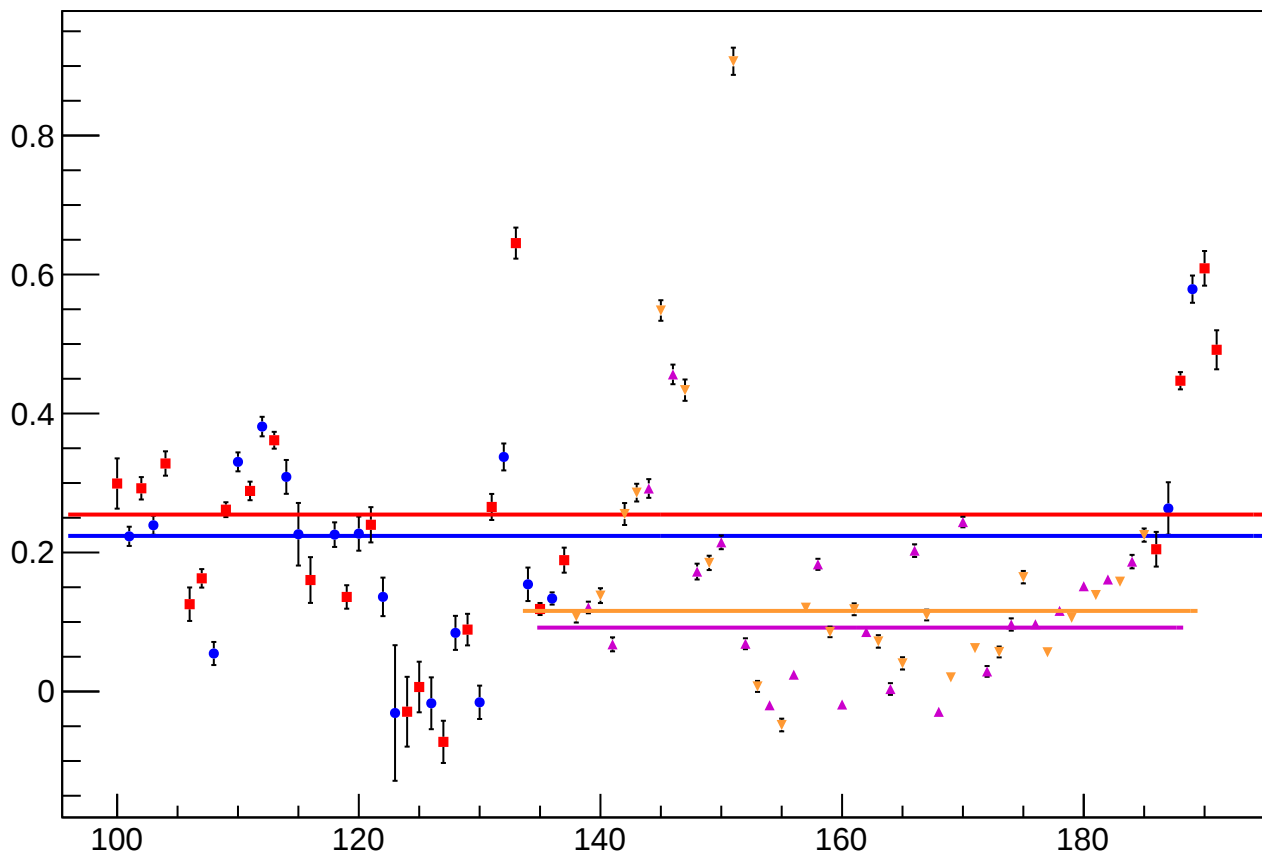
Right: -1.401 ± 0.048 χ^2/NDF : 3144.3/41

In: -1.222 ± 0.032 χ^2/NDF : 7874.2/41

Out: -1.361 ± 0.032 χ^2/NDF : 9543.0/47

All: -1.291 ± 0.022 χ^2/NDF : 17426.7/89

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.224 $\pm$ 0.004 χ^2 /NDF: 970.8/18

Left Out: 0.116 $\pm$ 0.002 χ^2 /NDF:4463.0/24

Right Out: 0.255 $\pm$ 0.004 χ^2 /NDF: 1574.2/22

Left In: 0.092 $\pm$ 0.002 χ^2 /NDF:3631.4/22

Left: 0.103 $\pm$ 0.001 χ^2 /NDF: 8207.3/47

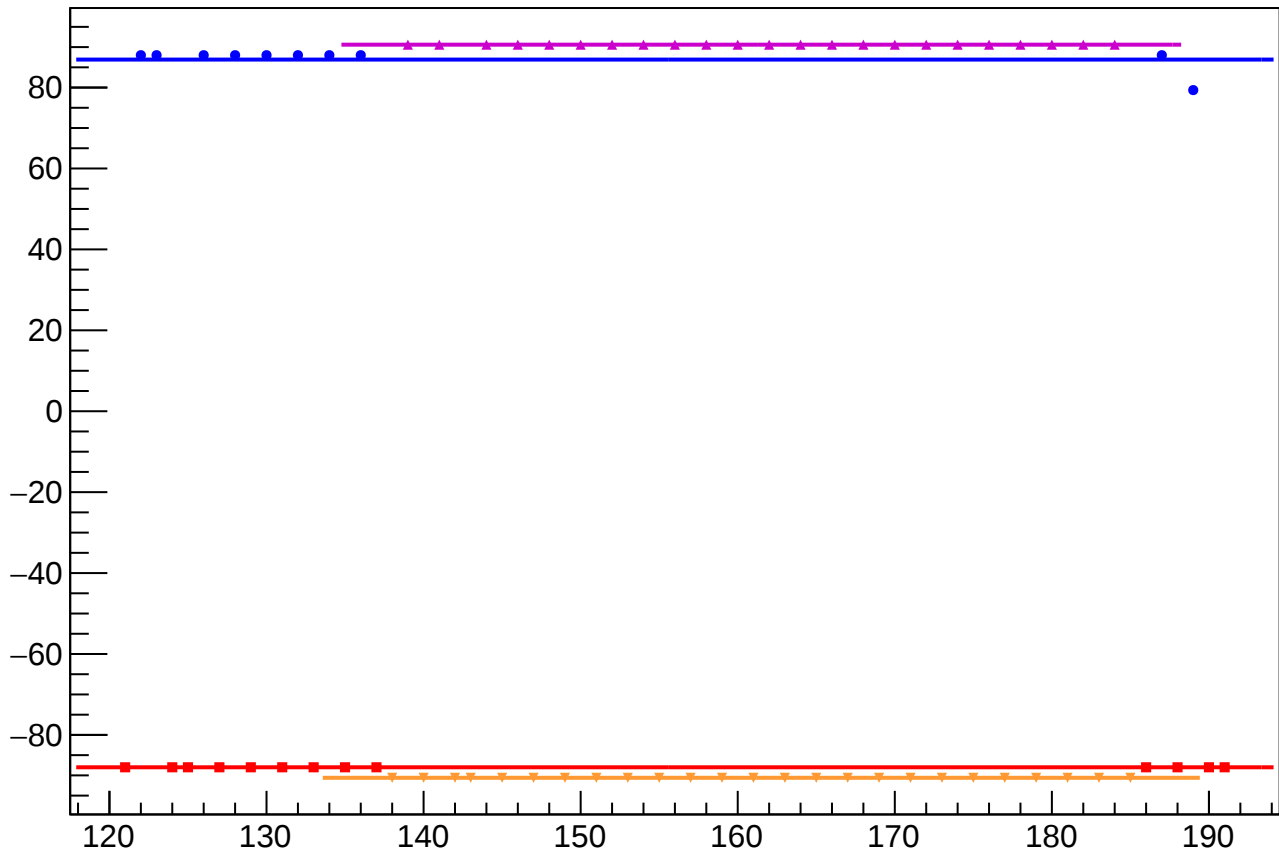
Right: 0.242 $\pm$ 0.003 χ^2 /NDF: 2576.4/41

In: 0.108 $\pm$ 0.001 χ^2 /NDF:5485.9/41

Out: 0.140 $\pm$ 0.001 χ^2 /NDF:7284.1/47

All: 0.124 $\pm$ 0.001 χ^2 /NDF: 13011.7/89

VWienAngle_mean vs Slug, Sign Corrected



Right In: 86.917+/-0.000 χ^2/NDF : 3319284182634901889497368914558976.0/9

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: -88.001+/-0.000 χ^2/NDF : 142575.6/12

Left In: 90.599+/-0.000 χ^2/NDF : 5932436.0/22

Left: -2.410+/-0.000 χ^2/NDF : 30521213250005045

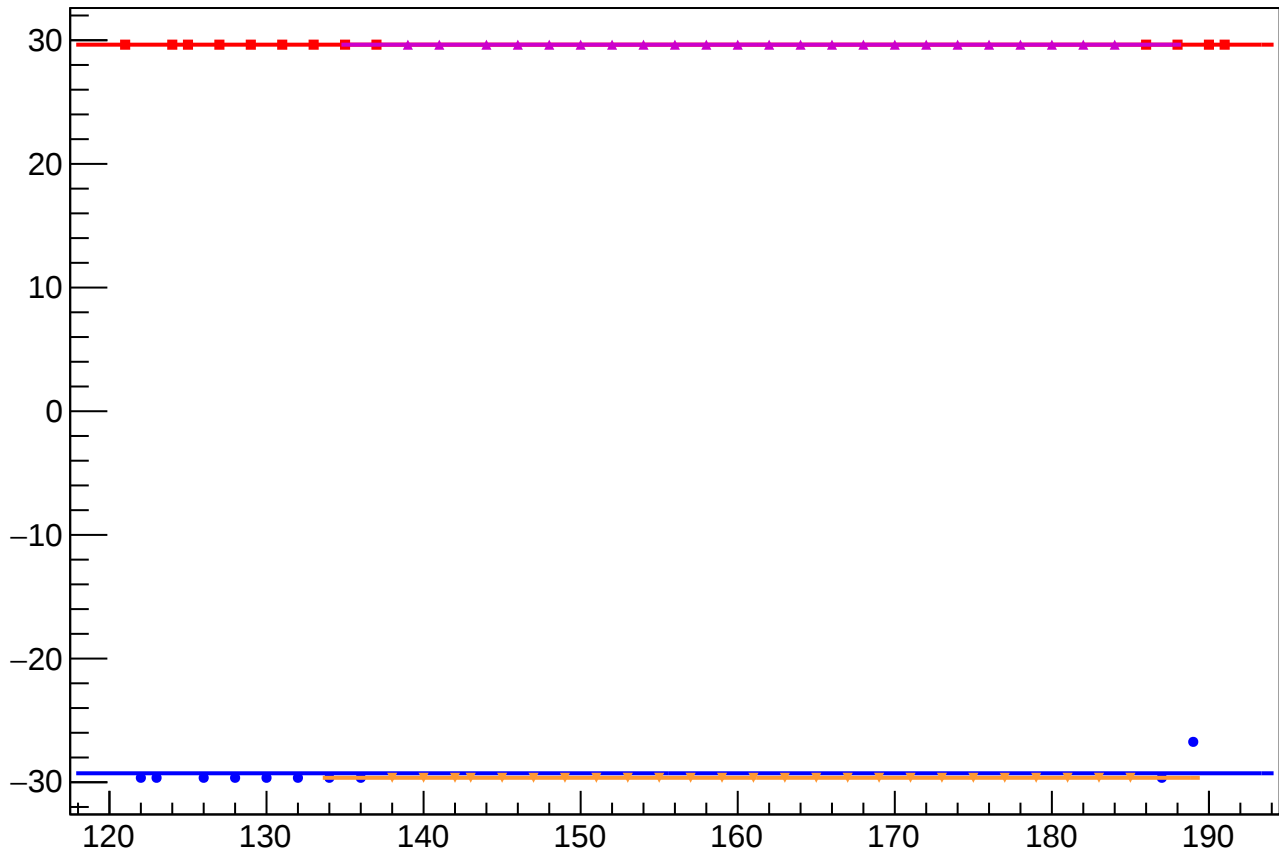
Right: -10.641+/-0.000 χ^2/NDF : 693152221616555

In: 89.925+/-0.000 χ^2/NDF : 781633749868676797

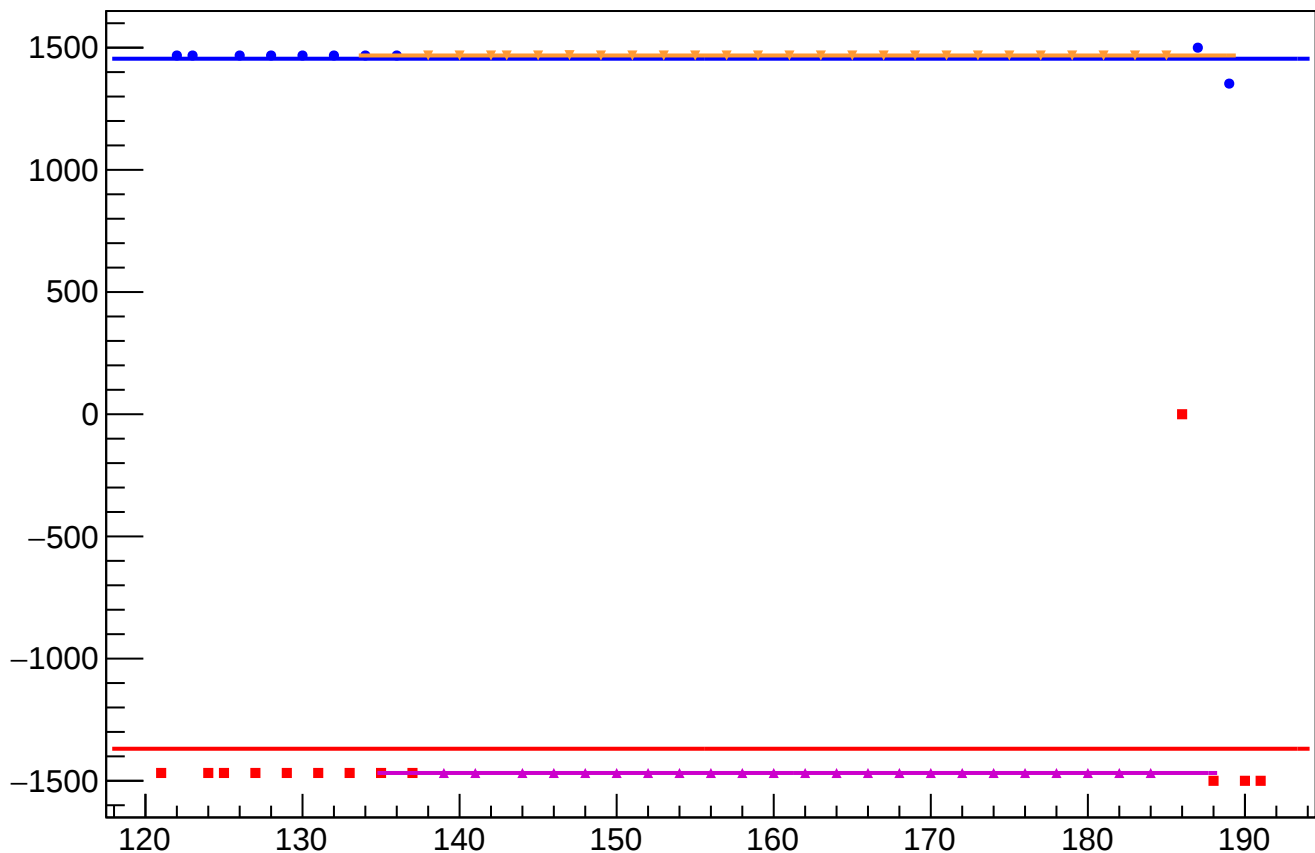
Out: -90.050+/-0.000 χ^2/NDF : 2726502928932265

All: -4.039+/-0.000 χ^2/NDF : 3750261162623

HWienAngle_mean vs Slug, Sign Corrected



psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1454.791+/-0.000

χ^2/NDF : 620701470025135611061893911168417792.0/9

Left Out: 1468.048+/-0.000

χ^2/NDF : 127960980922965975039069502046208.0/24

Right Out: -1368.847+/-0.000

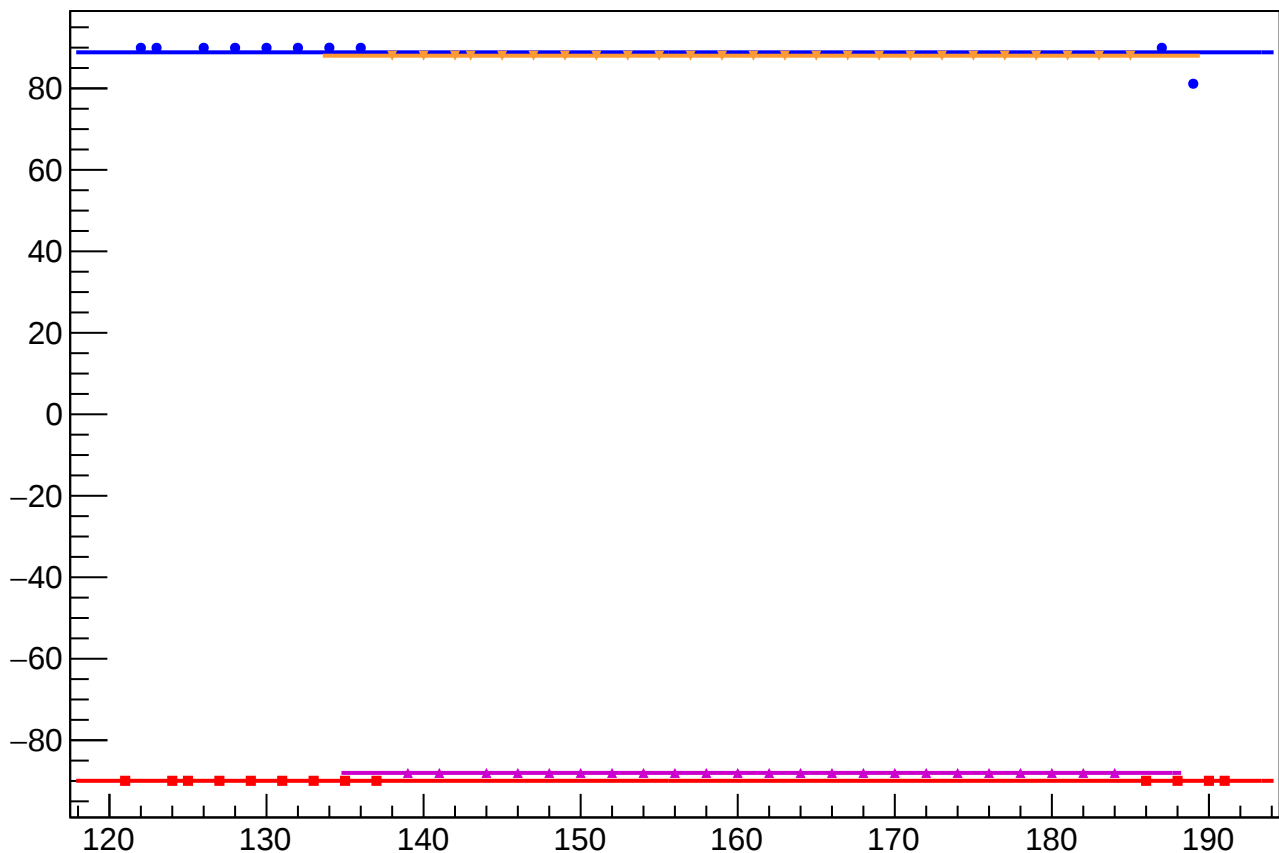
χ^2/NDF : 77017054284632969514672769414878724096.0/12

Left In: -1467.994+/-0.000

χ^2/NDF : 145848702340275035310993178624.0/22

All: 7.594+/-0.000 χ^2/NDF : 99150706150476

Phi_FG_mean vs Slug, Sign Corrected



Left: 2.342+/-0.000 χ^2/NDF : 288085769312401978

Right: -10.877+/-0.000 χ^2/NDF : 724363957893211

In: -55.630+/-0.000 χ^2/NDF : 10378897307600813

Out: 50.397+/-0.000 χ^2/NDF : 12790030916914924

All: -0.274+/-0.000 χ^2/NDF : 3618087677666

Right In: 88.853+/-0.000

χ^2/NDF : 3470239709183582261005318560415744.0/9

Left Out: 88.021+/-0.000

χ^2/NDF : 5326388.8/24

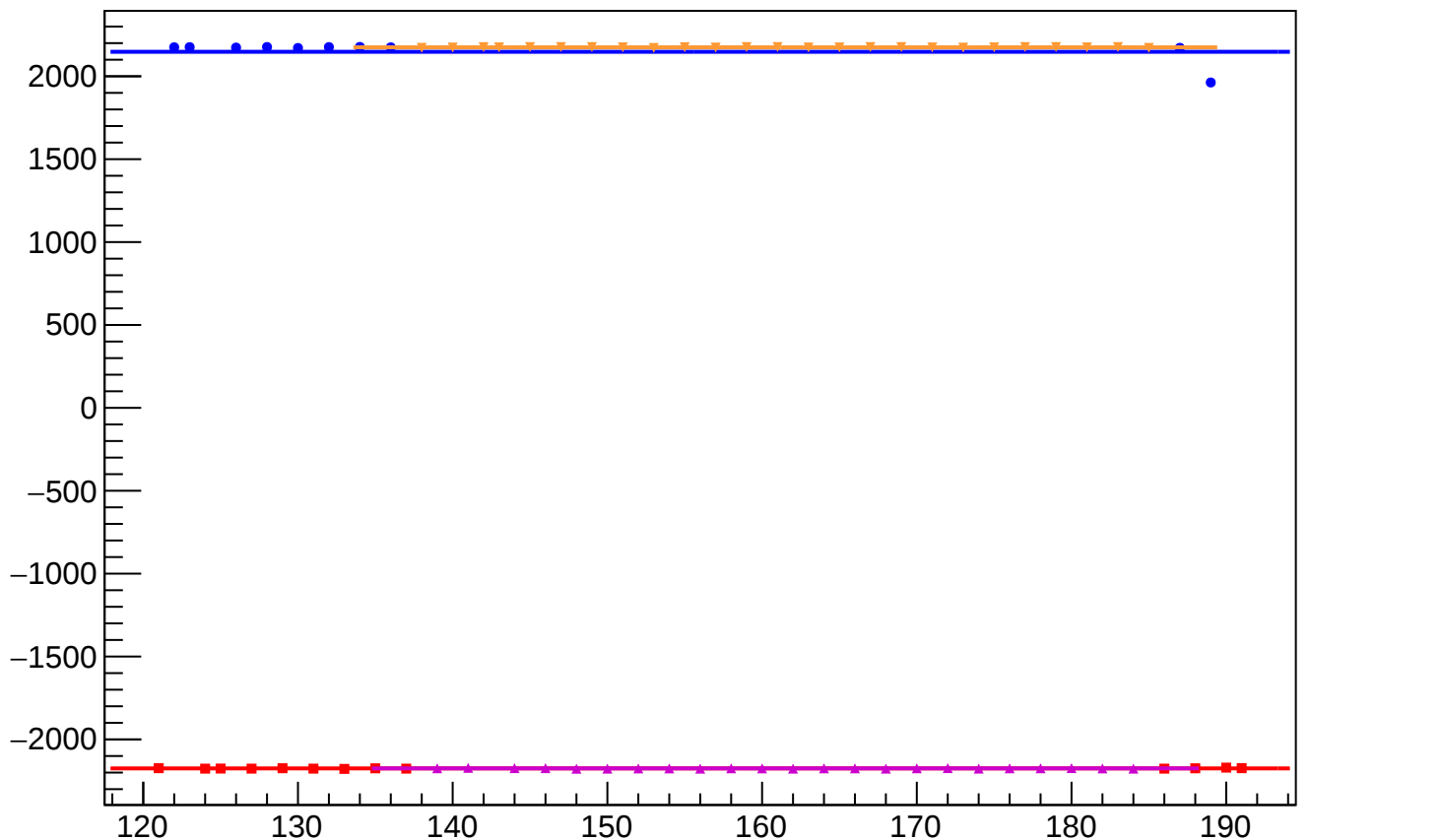
Right Out: -89.959+/-0.000

χ^2/NDF : 1284997.6/12

Left In: -88.021+/-0.000

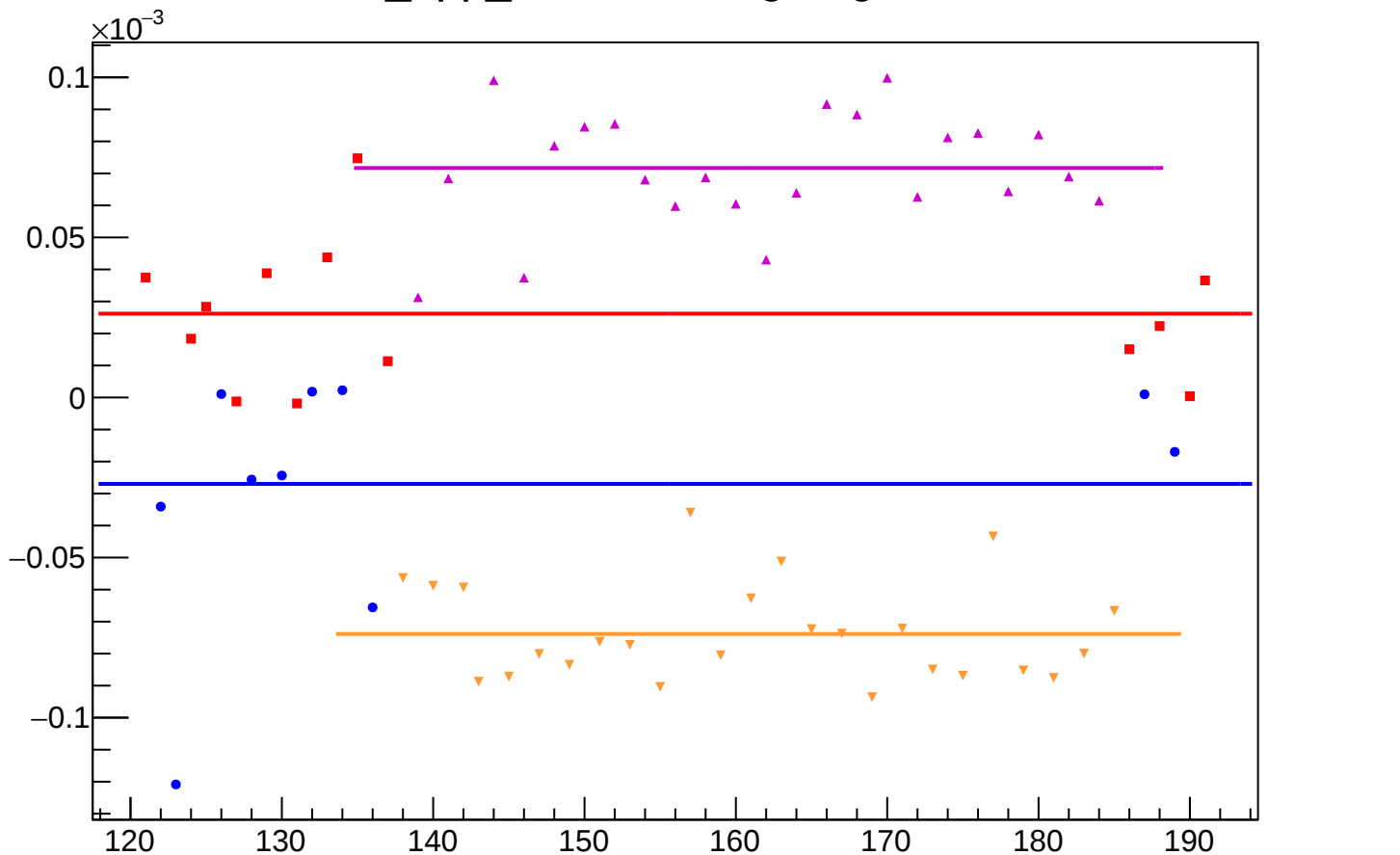
χ^2/NDF : 6084099.2/22

HALLA_p_mean vs Slug, Sign Corrected



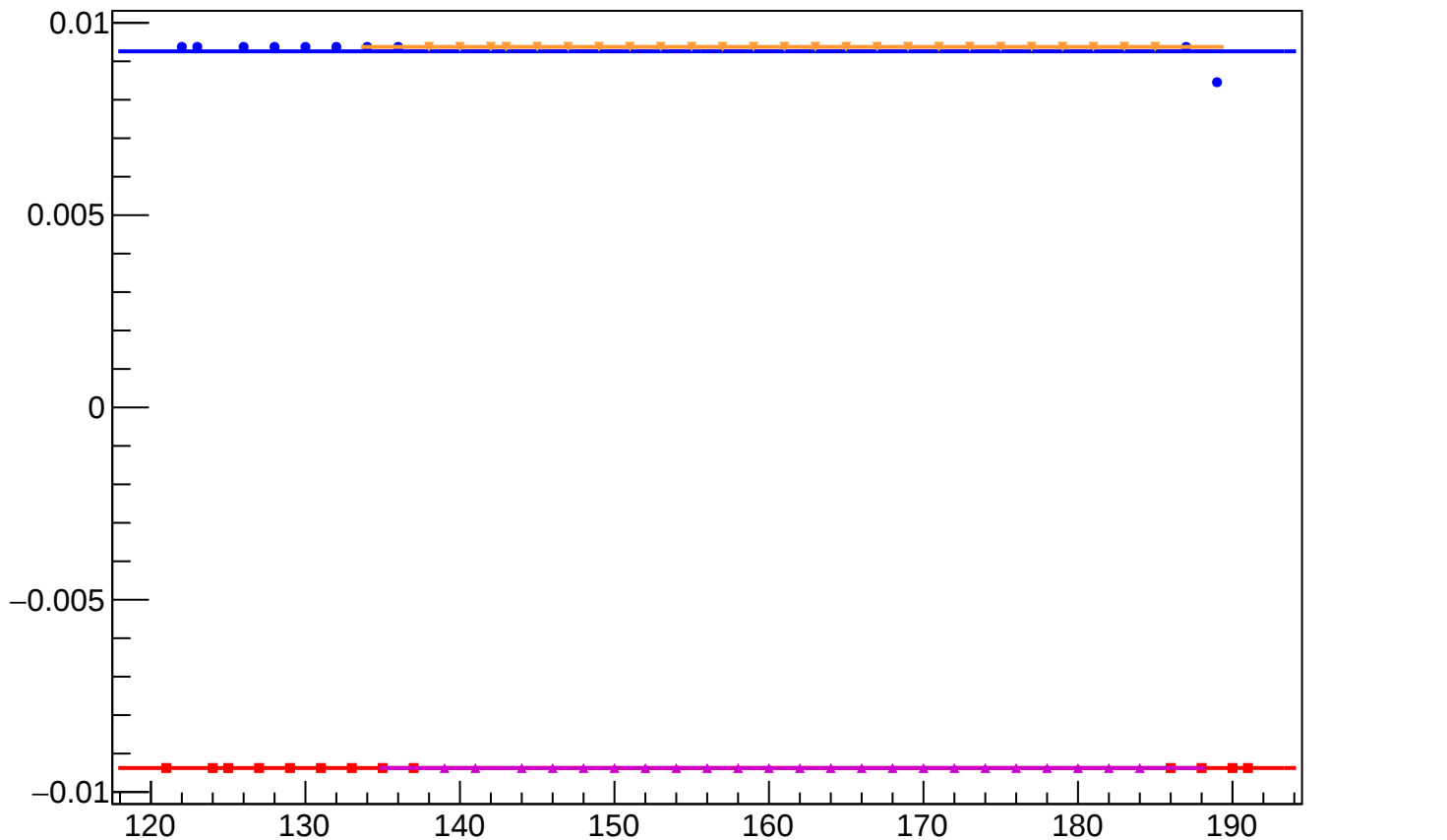
Right In: 2147.782+/-0.000 χ^2/NDF : 2001239028453492065294499892906950656.0/9
 Left Out: 2174.622+/-0.000 χ^2/NDF : 5110578135476093110874911595823104.0/24
 Right Out: -2174.777+/-0.000 χ^2/NDF : 1738951520107555077803129316573184.0/12
 Left In: -2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22
 All: -5.615+/-0.000 χ^2/NDF : 2189219651161

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000 ± 0.000	$\chi^2/\text{NDF}: 269004303271763004882944.0/9$	Left: -0.000 ± 0.000	$\chi^2/\text{NDF}: 20702696564433151$
Left Out: -0.000 ± 0.000	$\chi^2/\text{NDF}: 450400934180541069000704.0/24$	Right: 0.000 ± 0.000	$\chi^2/\text{NDF}: 11453967250624742$
Right Out: 0.000 ± 0.000	$\chi^2/\text{NDF}: 235841366856814095761408.0/12$	In: 0.000 ± 0.000	$\chi^2/\text{NDF}: 4060321979367252033$
Left In: 0.000 ± 0.000	$\chi^2/\text{NDF}: 562166279020739416817664.0/22$	Out: -0.000 ± 0.000	$\chi^2/\text{NDF}: 47279752666890428$
		All: -0.000 ± 0.000	$\chi^2/\text{NDF}: 2187197300782$

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000

χ^2/NDF : 37671655407852576596557824.0/9

Left Out: 0.009+/-0.000

χ^2/NDF : 0.1/24

Right Out: -0.009+/-0.000

χ^2/NDF : 0.1/12

Left In: -0.009+/-0.000

χ^2/NDF : 0.1/22

Left: 0.000+/-0.000

χ^2/NDF : 326809514411447718

Right: -0.001+/-0.000

χ^2/NDF : 7866814108455872

In: -0.006+/-0.000

χ^2/NDF : 115201566915246860

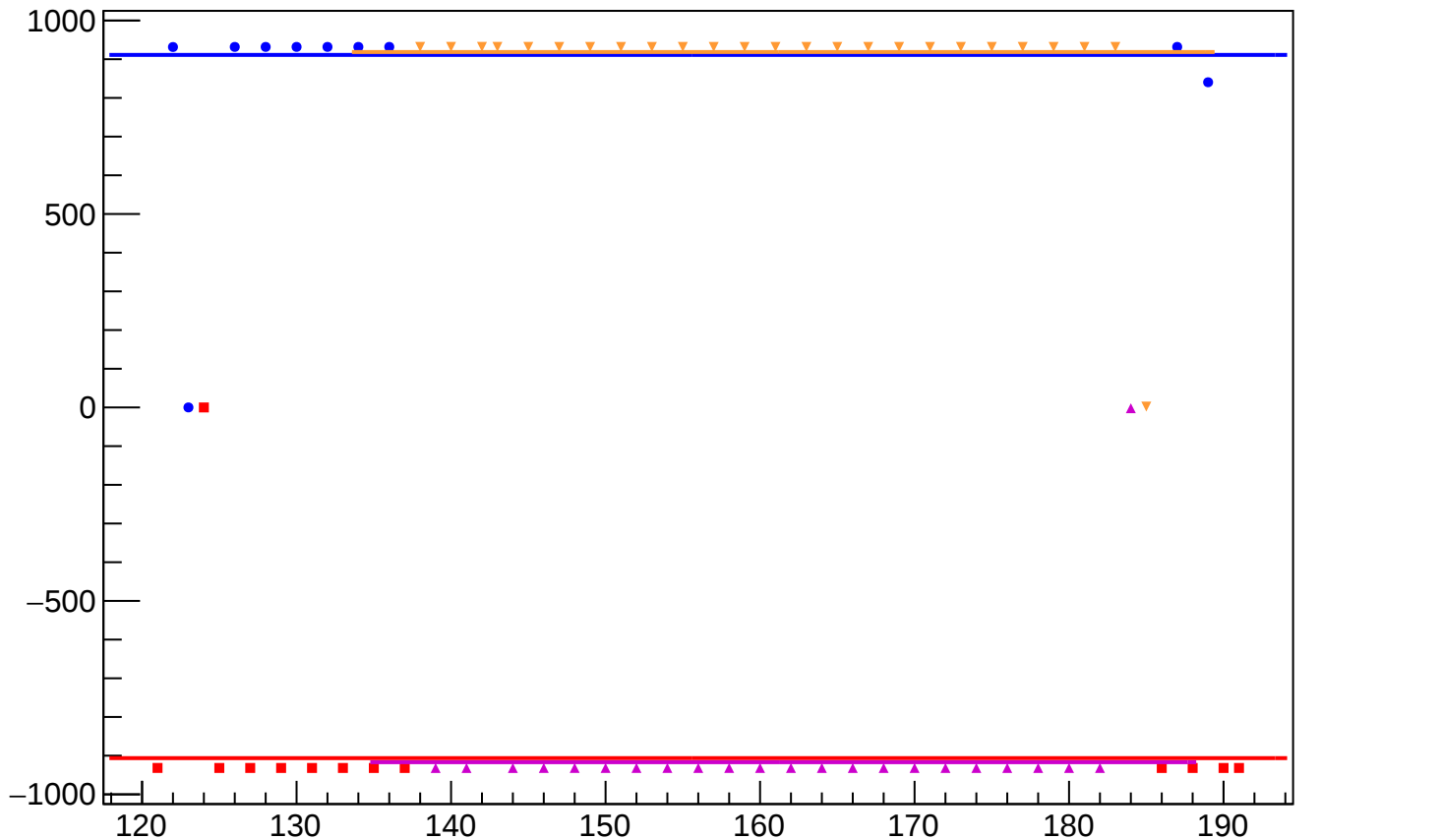
Out: 0.005+/-0.000

χ^2/NDF : 141948802642443932

All: -0.000+/-0.000

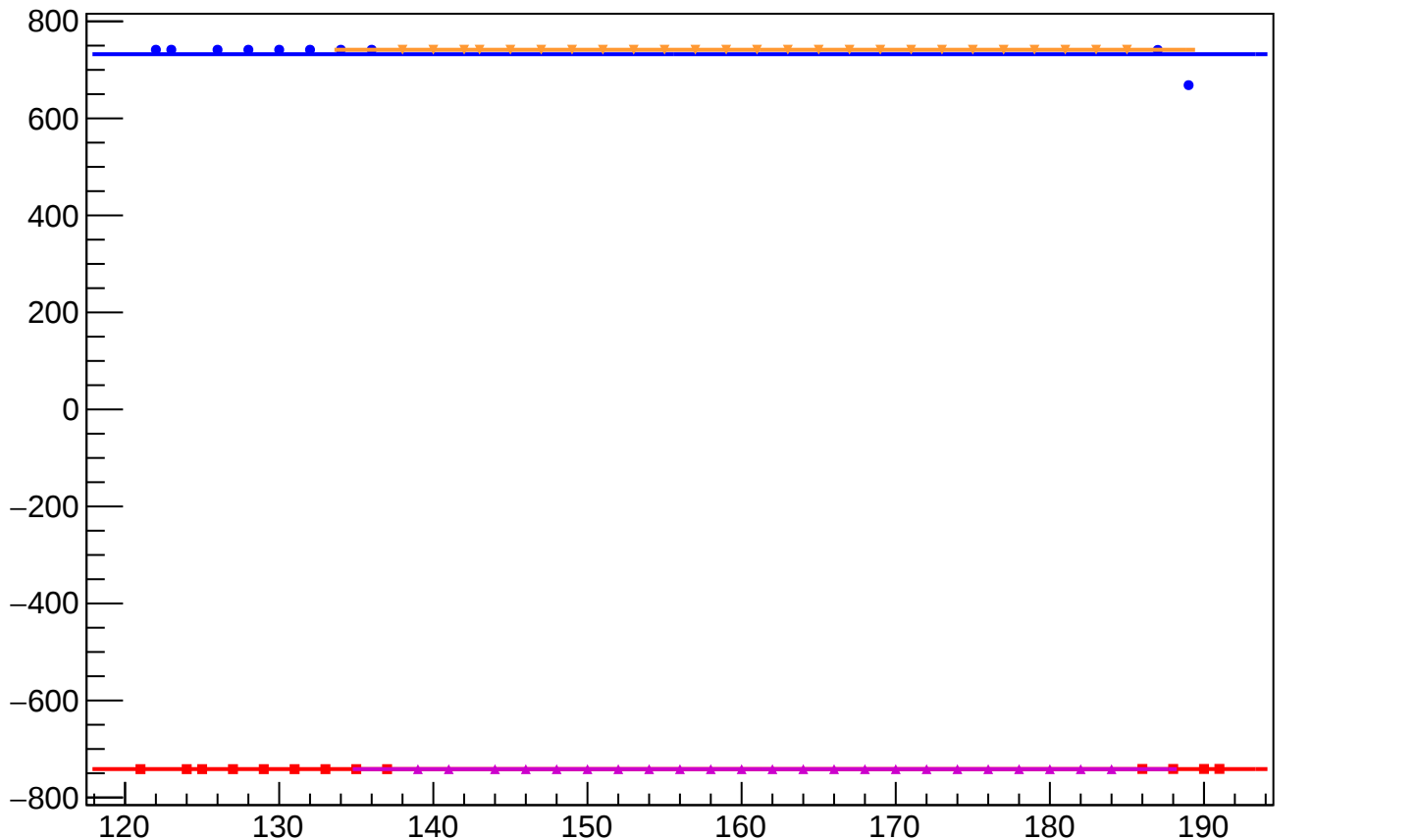
χ^2/NDF : 4068860585366

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



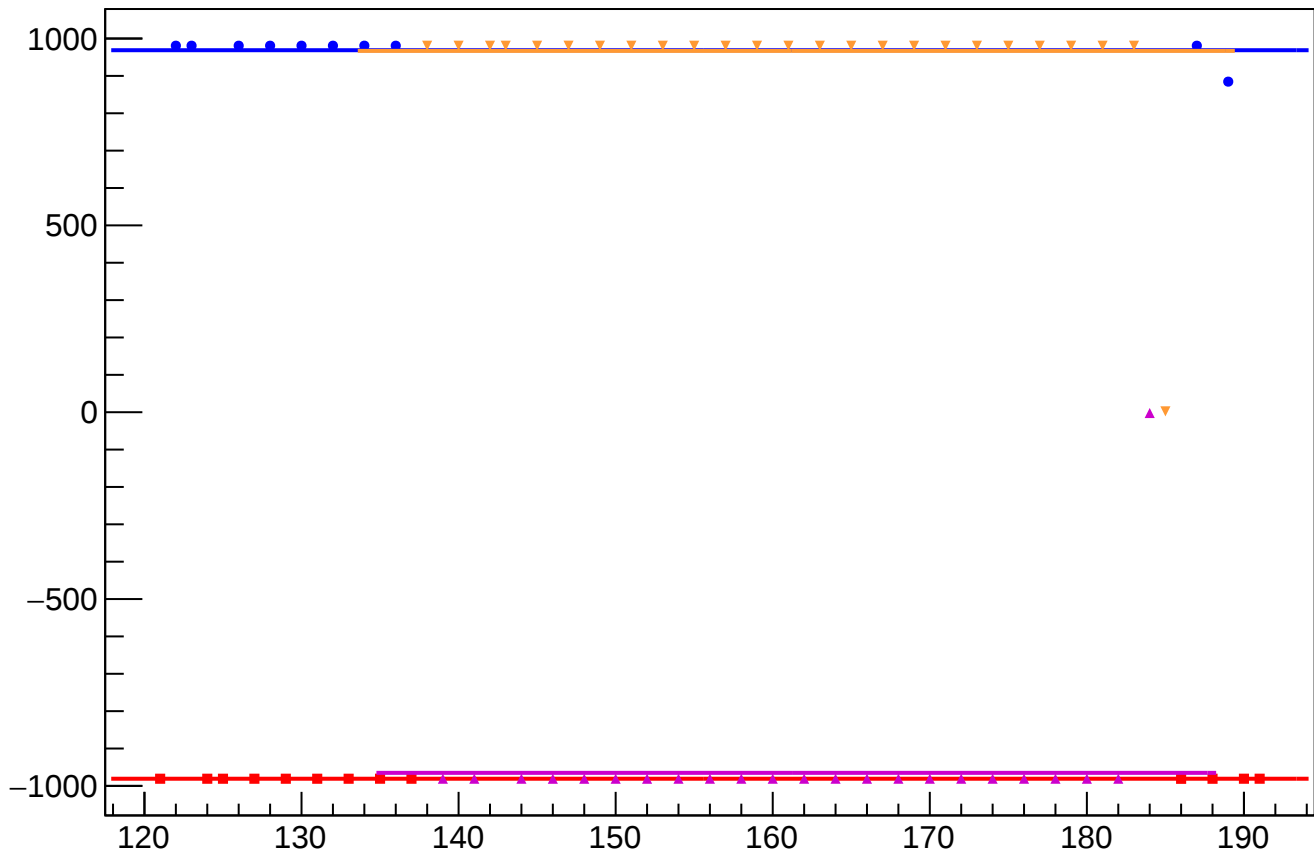
Right In: 911.148+/-0.000 χ^2/NDF : 3724814795110127321454463350940368896.0/9
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: -906.347+/-0.000 χ^2/NDF : 11822978615824331717758254113355726848.0/12
 Left In: -916.890+/-0.000 χ^2/NDF : 2466789491747623125028694438888133632.0/22
 All: 0.000+/-0.000 χ^2/NDF : 39552144906591

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 732.340+/-0.000 χ^2/NDF : 237710663434083416401695996945367040.0/9
 Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24
 Right Out: -741.381+/-0.000 χ^2/NDF : 18551726047363364827266763718656.0/12
 Left In: -741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22
 All: -1.907+/-0.000 χ^2/NDF : 2545344400779

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 968.742+/-0.000

χ^2/NDF : 412556623891481458701173598650892288.0/9

Left Out: 966.936+/-0.000

χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: -980.844+/-0.000

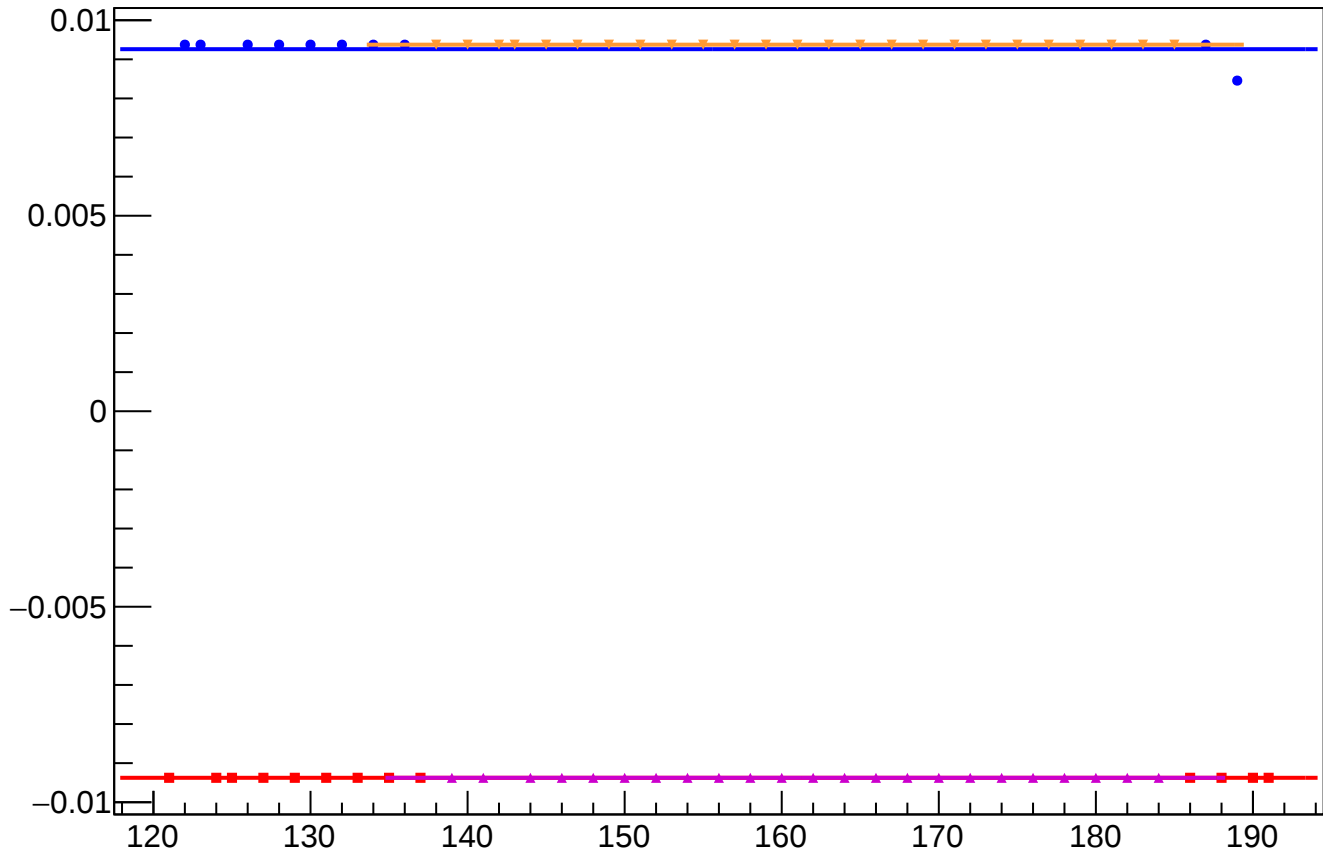
χ^2/NDF : 1995038460784896062778488389632.0/12

Left In: -965.102+/-0.000

χ^2/NDF : 27330319430012441419356351914146004992.0/22

All: -2.120+/-0.000 χ^2/NDF : 4399383816917

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000

χ^2/NDF : 37671655407852576596557824.0/9

Left Out: 0.009+/-0.000

χ^2/NDF : 0.1/24

Right Out: -0.009+/-0.000

χ^2/NDF : 0.1/12

Left In: -0.009+/-0.000

χ^2/NDF : 0.1/22

Left: 0.000+/-0.000

χ^2/NDF : 326809514411447718

Right: -0.001+/-0.000

χ^2/NDF : 7866814108455872

In: -0.006+/-0.000

χ^2/NDF : 115201566915246860

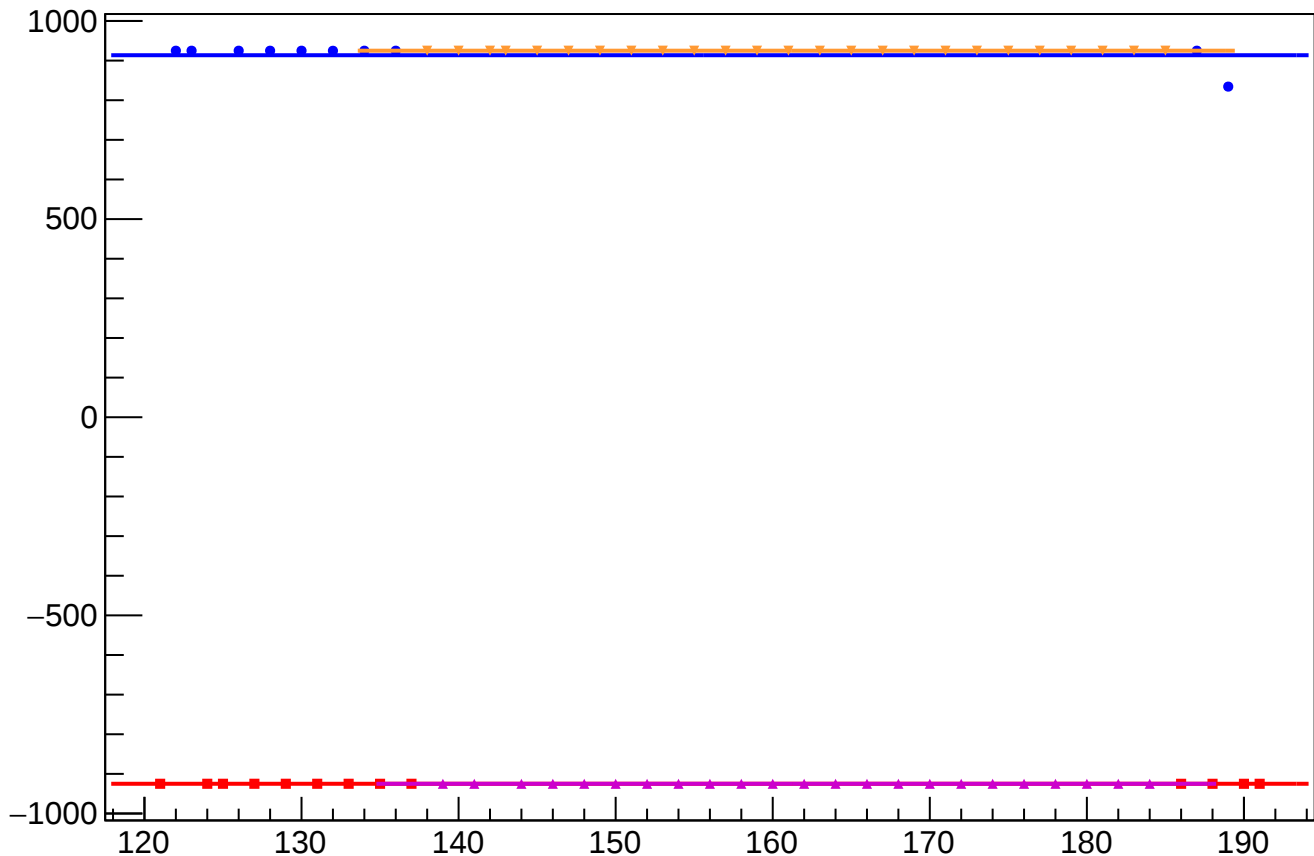
Out: 0.005+/-0.000

χ^2/NDF : 141948802642443932

All: -0.000+/-0.000

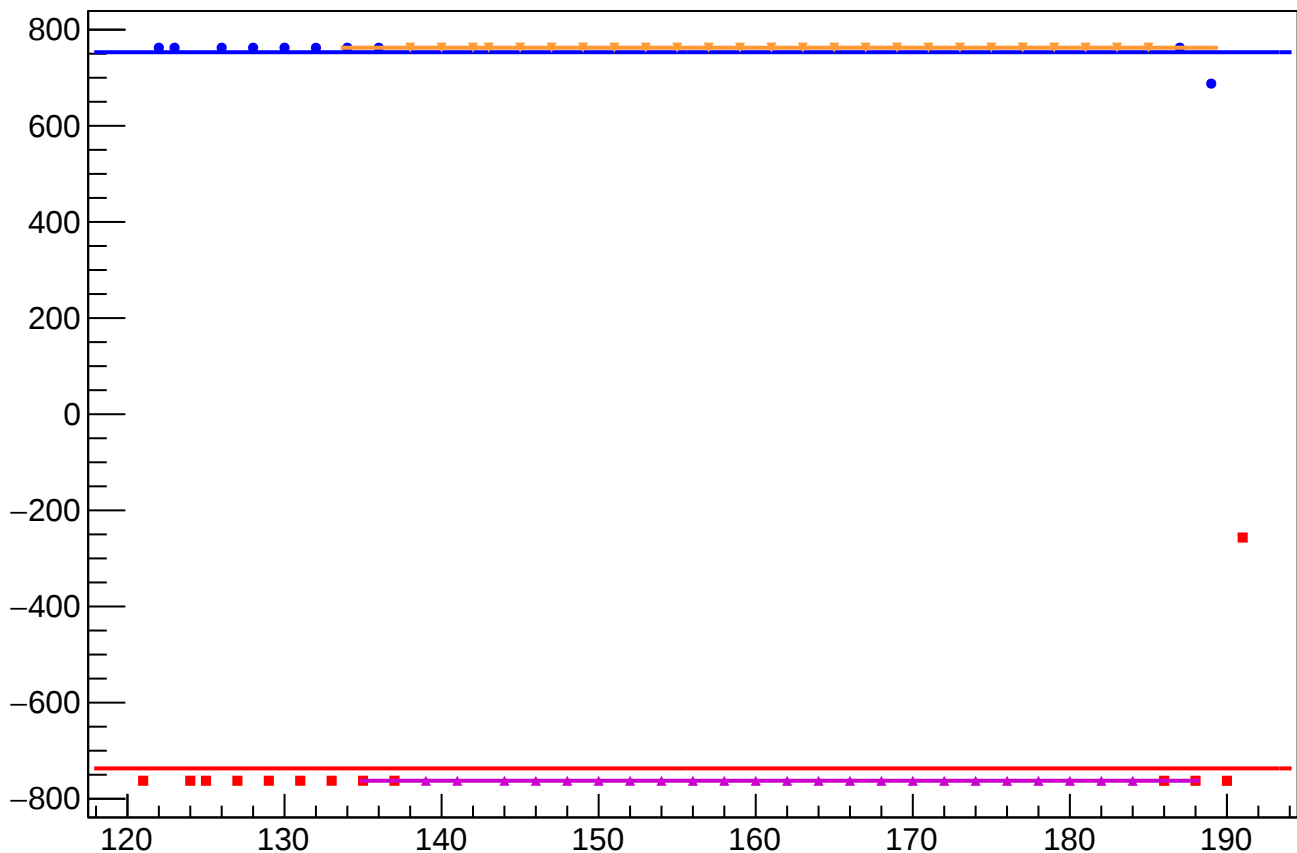
χ^2/NDF : 4068860585366

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



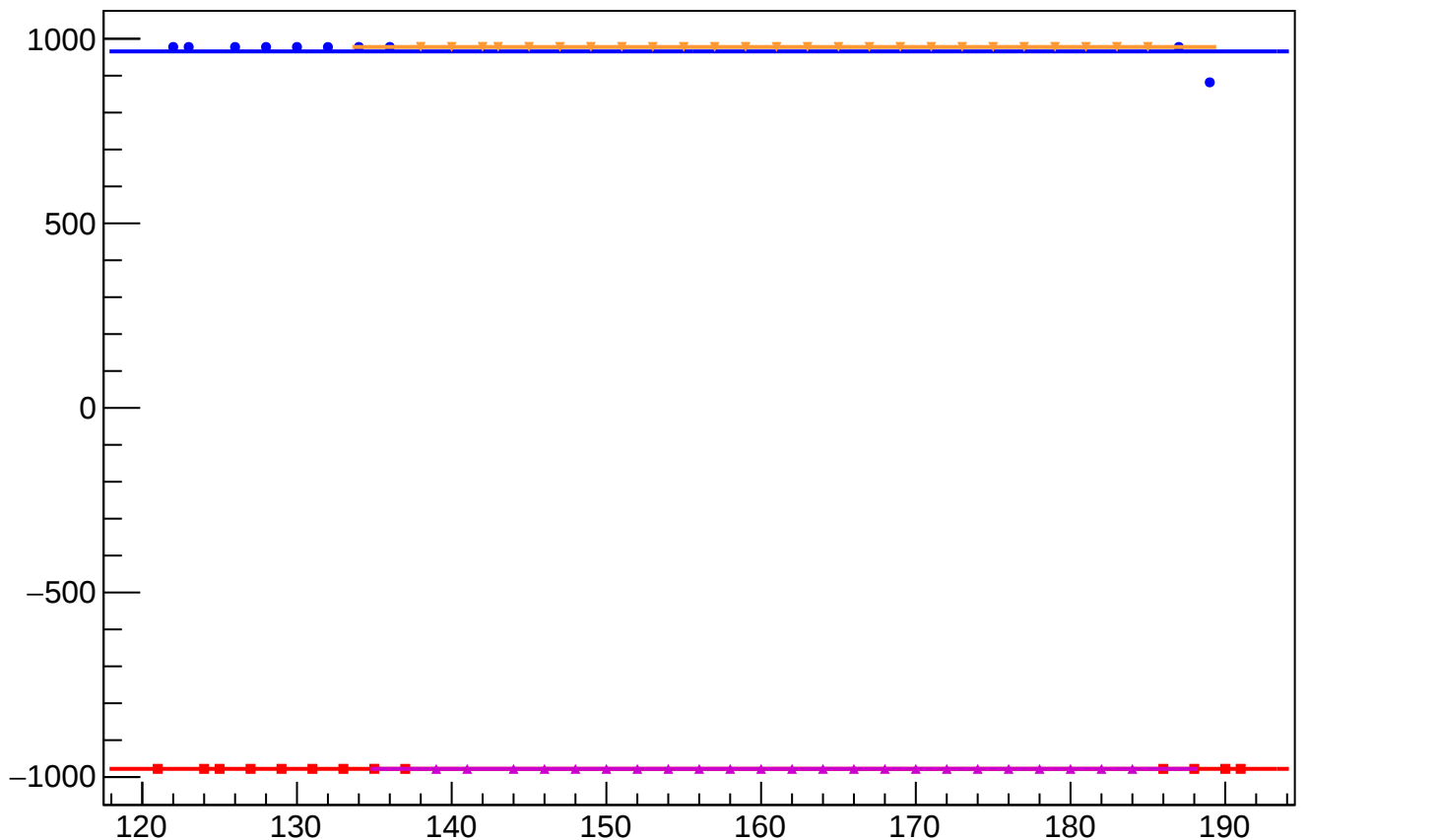
Right In: 913.562+/-0.000	χ^2/NDF : 366058271931843986263462161248419840.0/9	Left: 24.610+/-0.000	χ^2/NDF : 31814082693920915
Left Out: 924.983+/-0.000	χ^2/NDF : 1041831865443970524066476982272.0/24	Right: -111.856+/-0.000	χ^2/NDF : 76578711328520
Right Out: -924.980+/-0.000	χ^2/NDF : 520299909712652106588189884416.0/12	In: -588.290+/-0.000	χ^2/NDF : 1121421734425068
Left In: -924.983+/-0.000	χ^2/NDF : 888539224321534960792212865024.0/22	Out: 533.909+/-0.000	χ^2/NDF : 1381831713822228
		All: -2.395+/-0.000	χ^2/NDF : 3960908133817

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



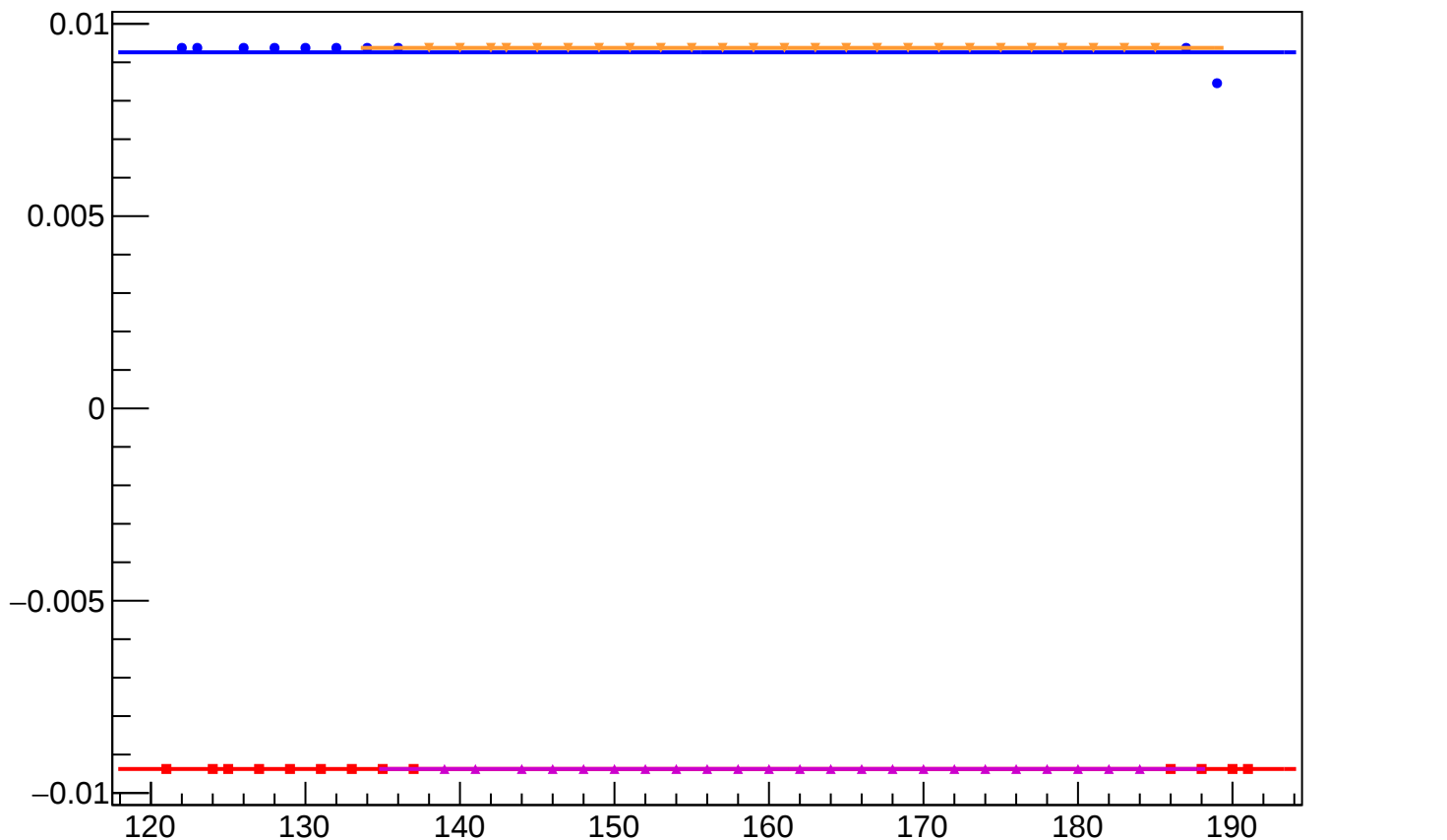
Right In: 753.107+/-0.000	χ^2/NDF : 248676605118673056468442306043707392.0/9	Left: 20.287+/-0.000	χ^2/NDF : 21619874128230354
Left Out: 762.518+/-0.000	χ^2/NDF : 731741258759628909874415403008.0/24	Right: -77.885+/-0.000	χ^2/NDF : 509247911781190
Right Out: -736.835+/-0.000	χ^2/NDF : 6318356853792801414755158542883225600.0/12	In: -484.962+/-0.000	χ^2/NDF : 7620872668361684
Left In: -762.519+/-0.000	χ^2/NDF : 629058355419214408155297480704.0/22	Out: 445.562+/-0.000	χ^2/NDF : 9140081941324901
	All: 0.860+/-0.000		χ^2/NDF : 26783319564463

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 26.015 +/- 0.000 χ^2/NDF : 35546397150663117
 Right: -118.225 +/- 0.000 χ^2/NDF : 85567831111955
 In: -621.832 +/- 0.000 χ^2/NDF : 1253036361716768
 Out: 564.357 +/- 0.000 χ^2/NDF : 1543970464845043
 All: -2.528 +/- 0.000 χ^2/NDF : 4425637687905

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000

χ^2/NDF : 37671655407852576596557824.0/9

Left Out: 0.009+/-0.000

χ^2/NDF : 0.1/24

Right Out: -0.009+/-0.000

χ^2/NDF : 0.1/12

Left In: -0.009+/-0.000

χ^2/NDF : 0.1/22

Left: 0.000+/-0.000

χ^2/NDF : 326809514411447718

Right: -0.001+/-0.000

χ^2/NDF : 7866814108455872

In: -0.006+/-0.000

χ^2/NDF : 115201566915246860

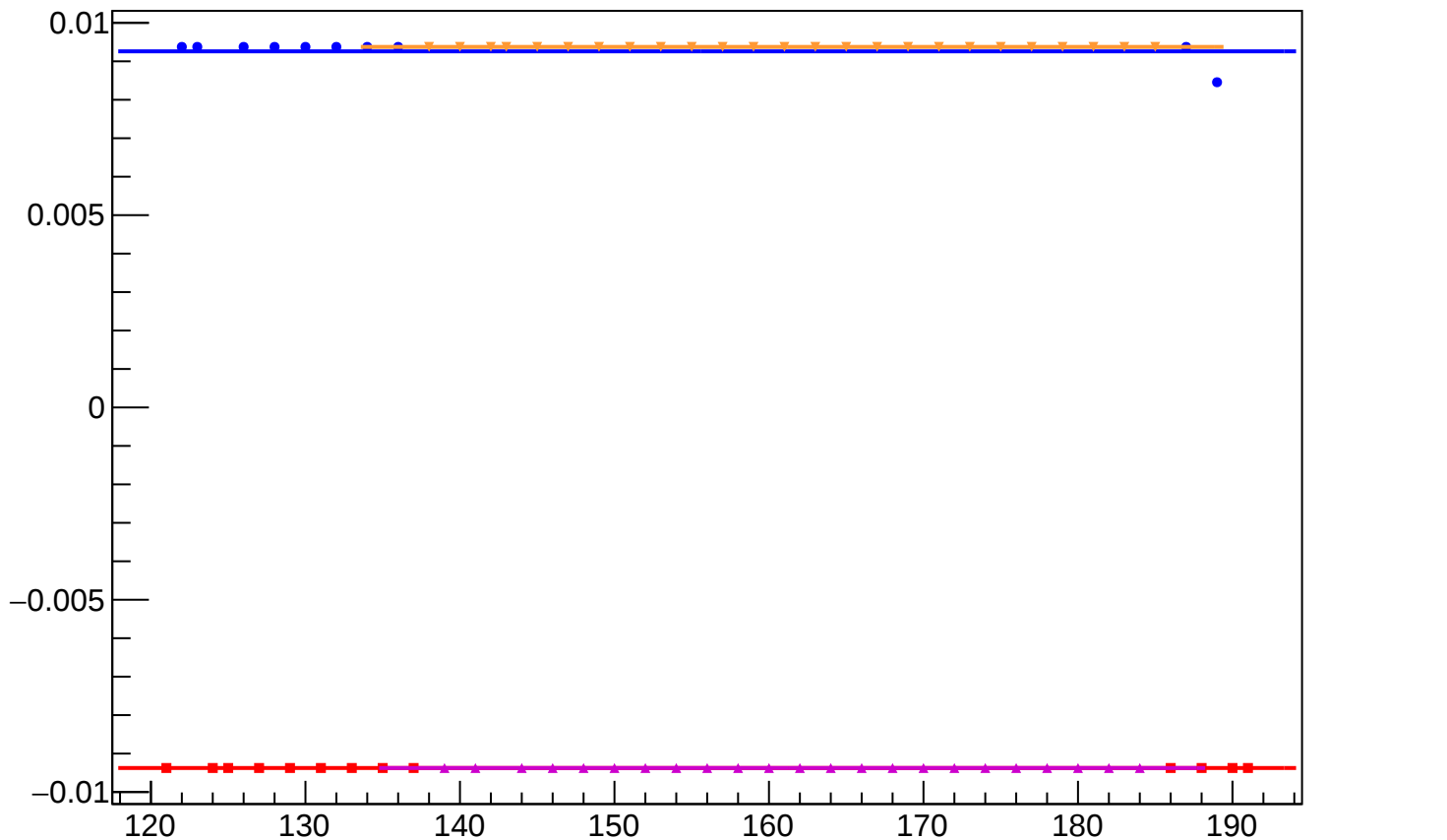
Out: 0.005+/-0.000

χ^2/NDF : 141948802642443932

All: -0.000+/-0.000

χ^2/NDF : 4068860585366

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000

χ^2/NDF : 37671655407852576596557824.0/9

Left: 0.000+/-0.000

χ^2/NDF : 326809514411447718

Right: -0.001+/-0.000

χ^2/NDF : 7866814108455872

Left Out: 0.009+/-0.000

χ^2/NDF : 0.1/24

In: -0.006+/-0.000

χ^2/NDF : 115201566915246860

Right Out: -0.009+/-0.000

χ^2/NDF : 0.1/12

Out: 0.005+/-0.000

χ^2/NDF : 141948802642443932

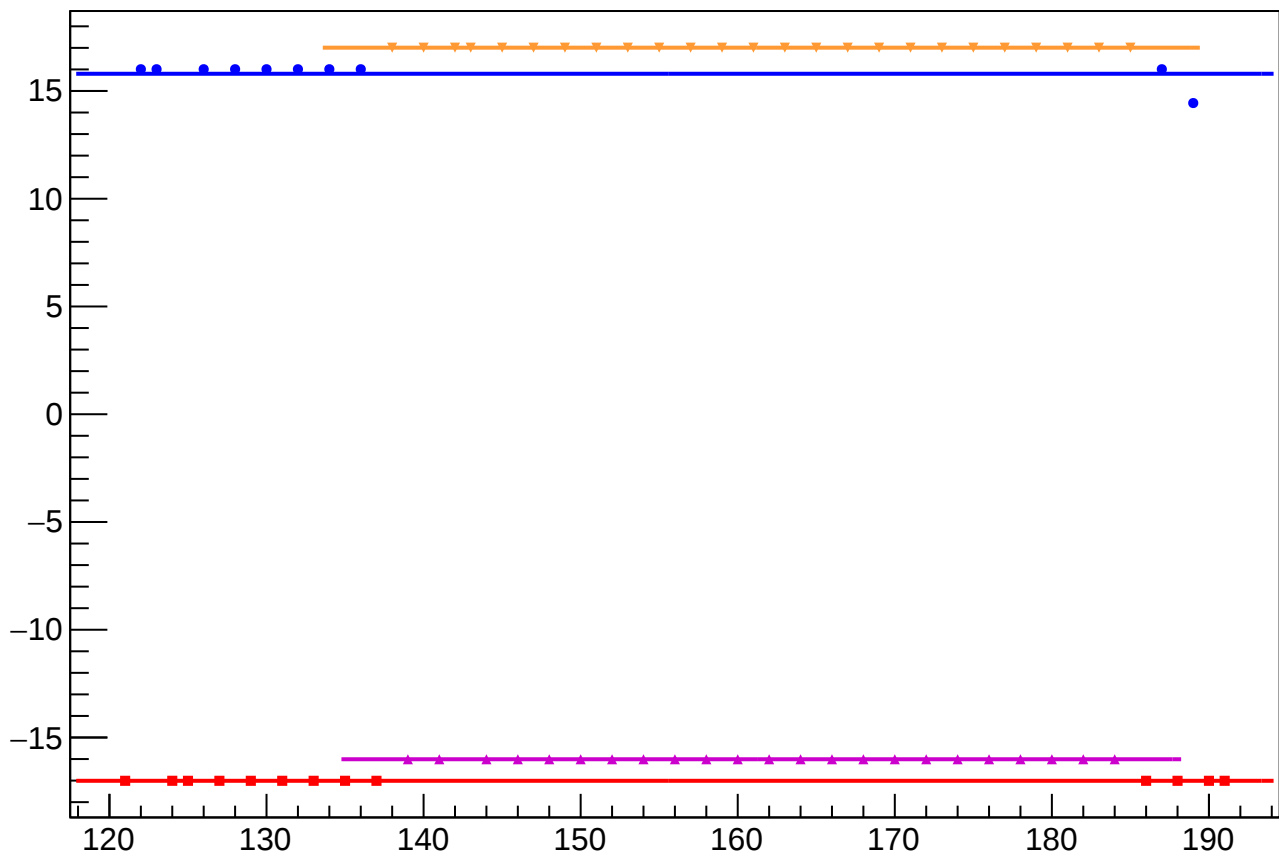
Left In: -0.009+/-0.000

χ^2/NDF : 0.1/22

All: -0.000+/-0.000

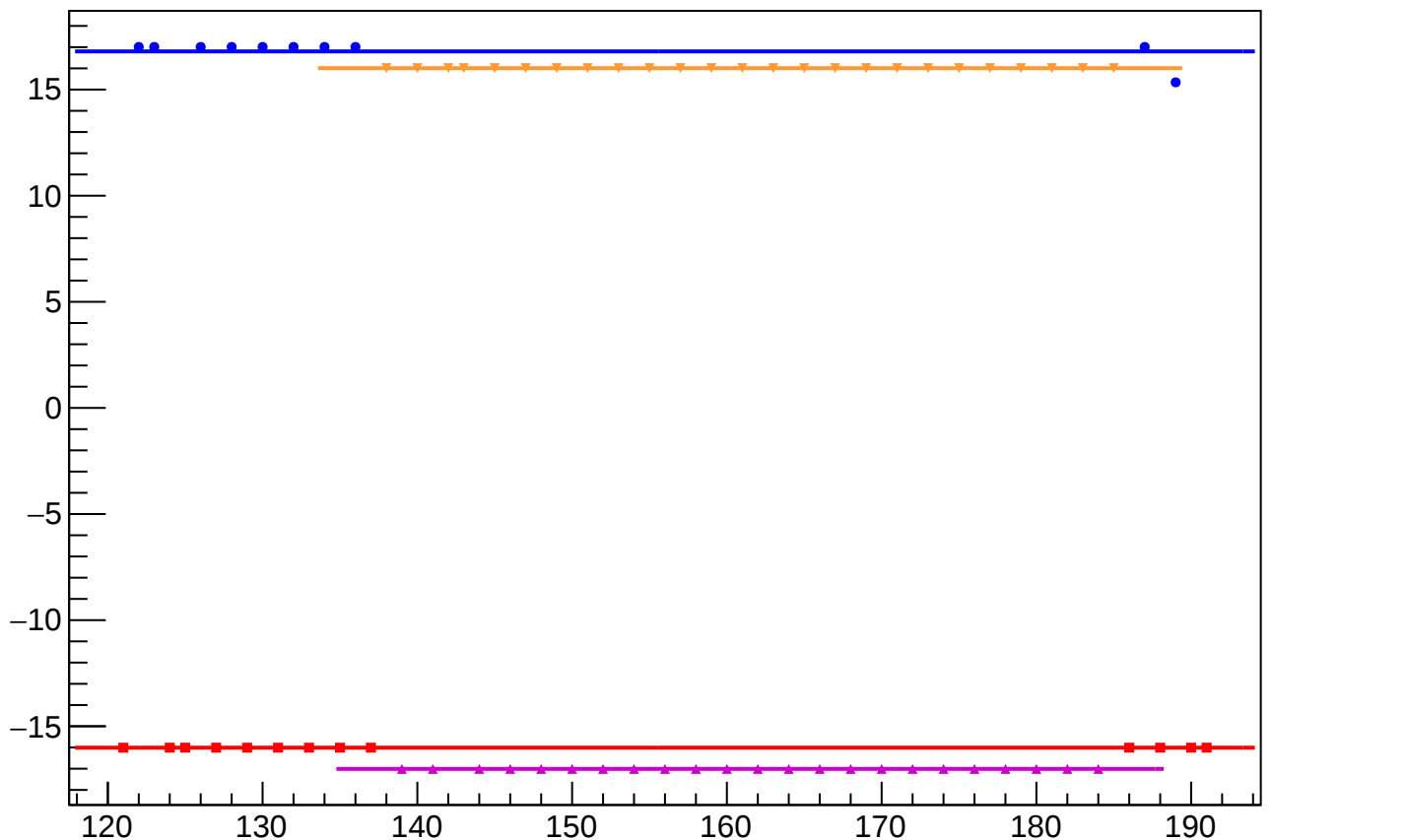
χ^2/NDF : 4068860585366

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 15.799+/-0.000 χ^2/NDF : 108775450098059645296703598231552.0/9
 Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: -17.009+/-0.000 χ^2/NDF : 11372984013858191609692160.0/12
 Left In: -16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22
 All: 0.188+/-0.000 χ^2/NDF : 11831910875432

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Left: 0.042 +/- 0.000 χ^2/NDF : 994312337700629058

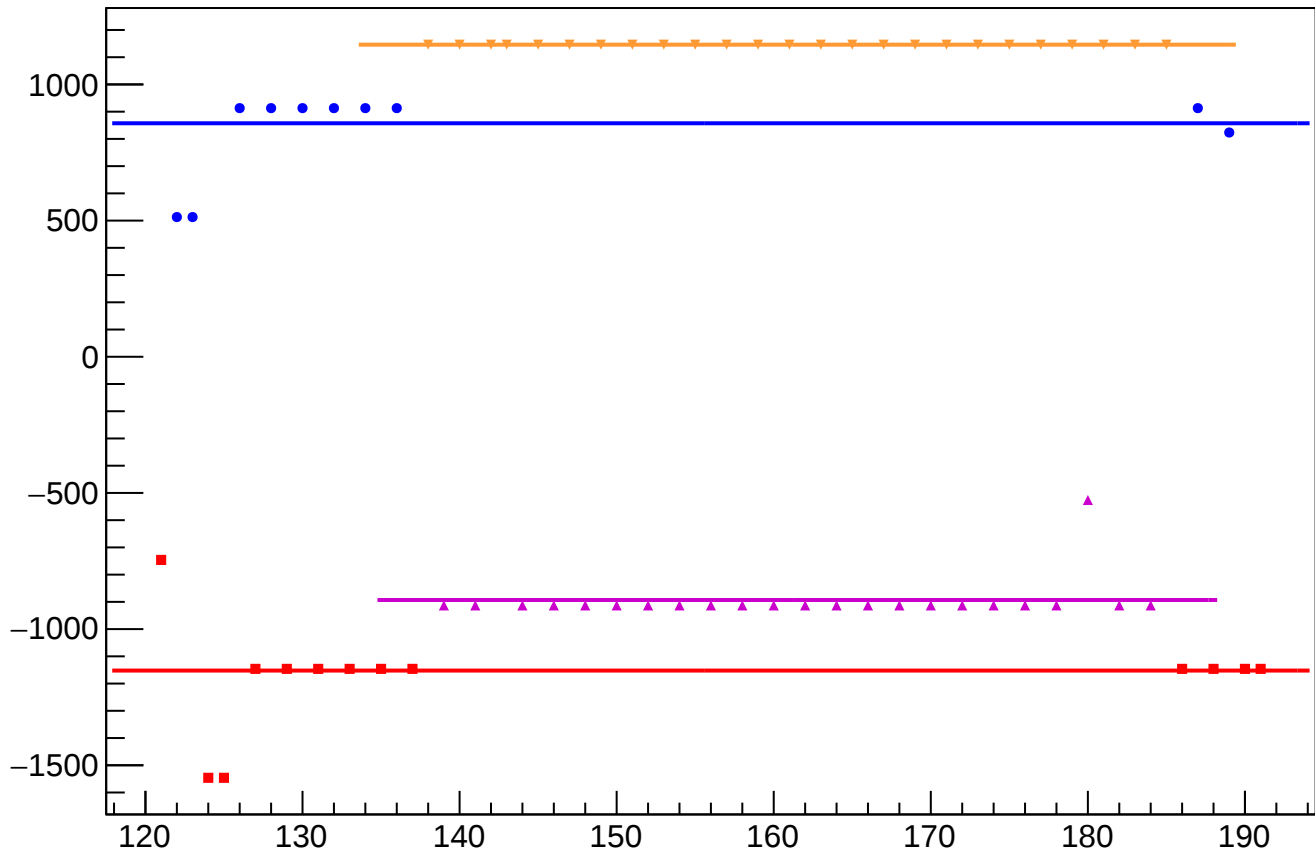
Right: -1.499 +/- 0.000 χ^2/NDF : 2438751048868231

In: -10.690 +/- 0.000 χ^2/NDF : 37746030263418766

Out: 9.173 +/- 0.000 χ^2/NDF : 412829969090909531

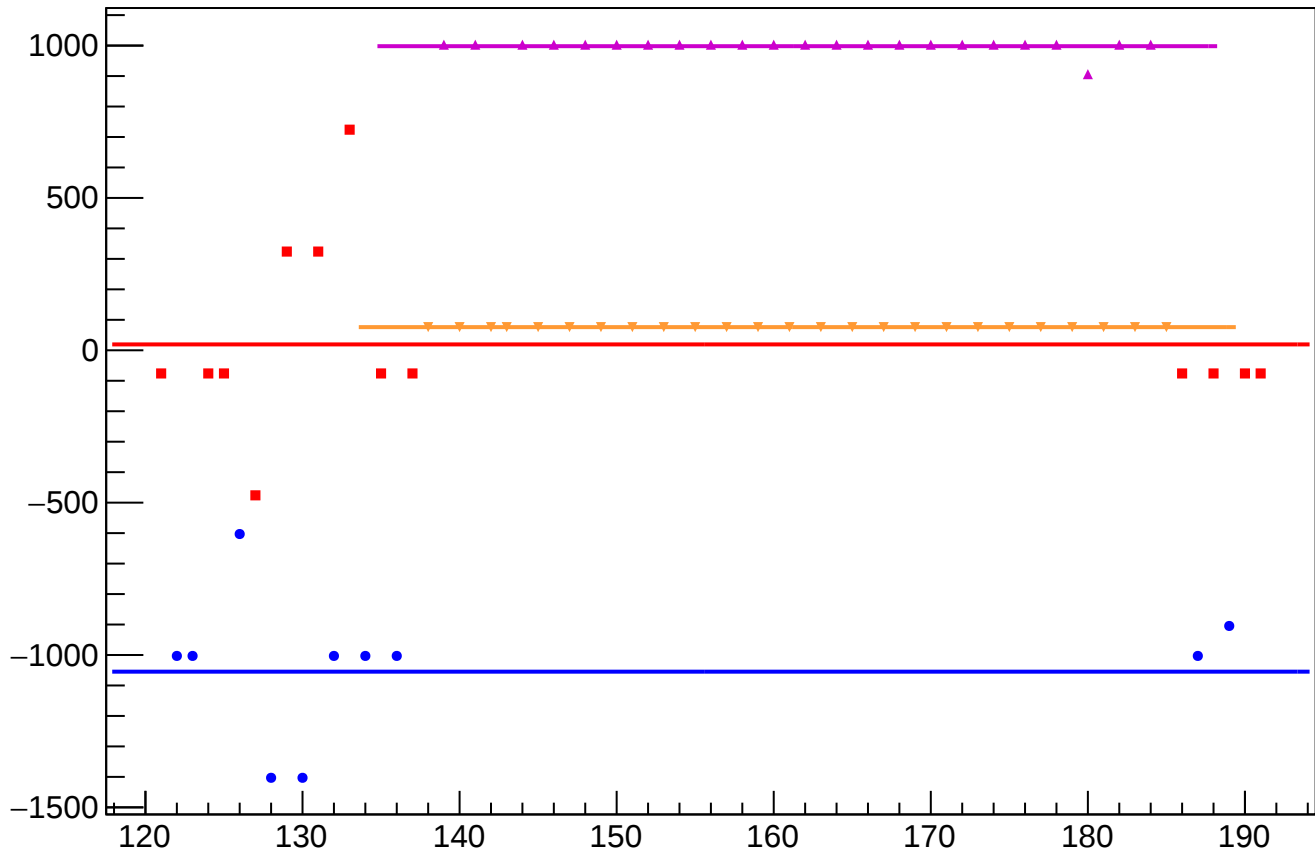
All: -0.267 +/- 0.000 χ^2/NDF : 1239930478273

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 857.414 ± 0.000 $\chi^2/\text{NDF}: 6354508219207121827863428688842326016.0/9$
 Left Out: 1146.011 ± 0.000 $\chi^2/\text{NDF}: 8041760976861450519237885952.0/24$
 Right Out: -1152.260 ± 0.000 $\chi^2/\text{NDF}: 13740667527768954173471207694954135552.0/12$
 Left In: -893.116 ± 0.000 $\chi^2/\text{NDF}: 13219826761707982974212661987208331264.0/22$
 All: 71.050 ± 0.000 $\chi^2/\text{NDF}: 4941193936052$

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1054.676+/-0.000

χ^2/NDF : 22608131434739457083296378094400569344.0/9

Left Out: 76.011+/-0.000

χ^2/NDF : 11003263624957134120836661248.0/24

Right Out: 19.302+/-0.000

χ^2/NDF : 42388458814459467006894755337335734272.0/12

Left In: 998.020+/-0.000

χ^2/NDF : 826231736084035689068445378231140352.0/22

All: 330.735+/-0.000 χ^2/NDF : 182505618800