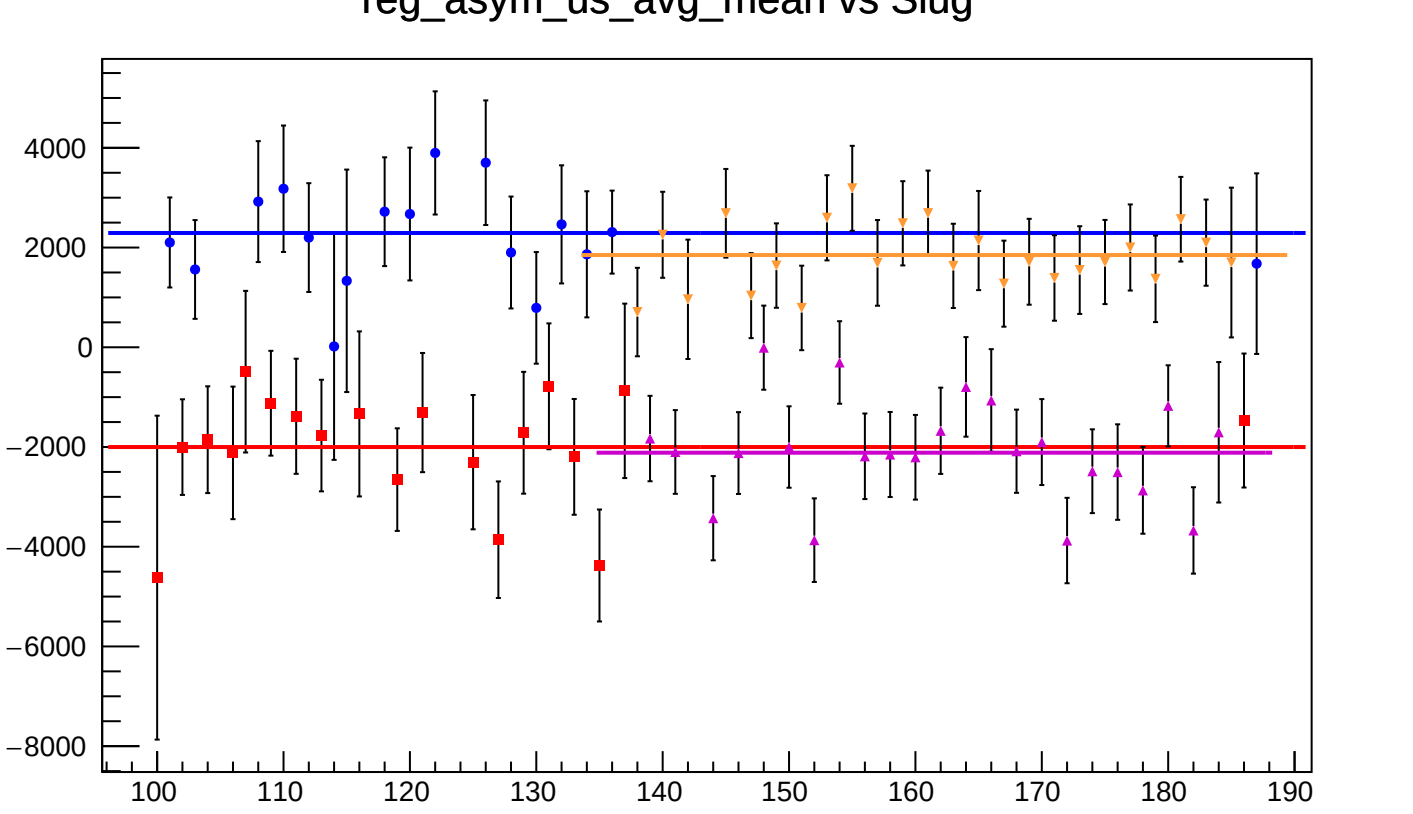


Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -2000.890+/-283.282 χ^2/NDF: 12.1/18

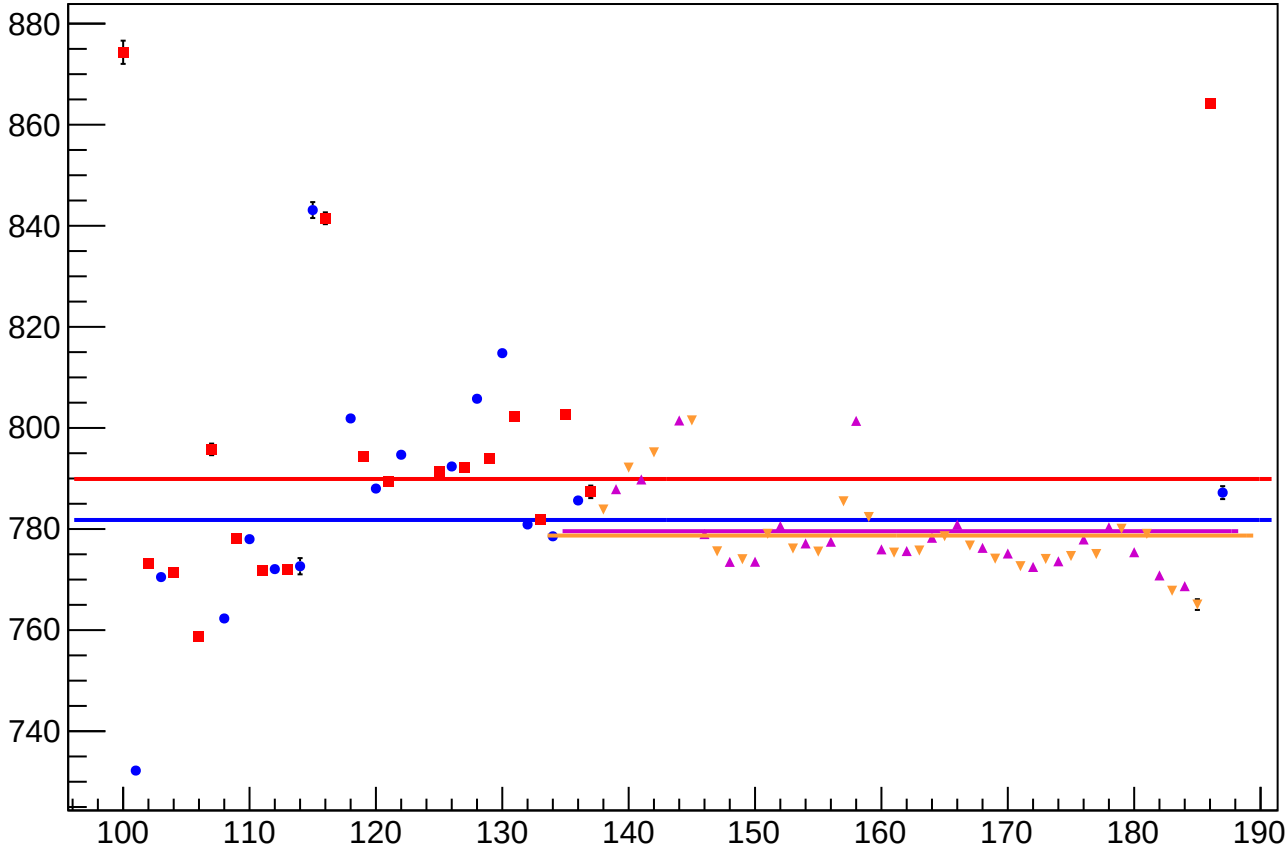
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1975.464+/-152.904 χ^2/NDF: 22.5/40

All: -49.794+/-108.202 χ^2/NDF: 417.2/82

- sign -2081.258+/-153.138 χ^2/NDF: 43.3/41

reg_asym_us_avg_rms vs Slug



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 789.904+/-0.200 χ^2/NDF: 13615.1/18

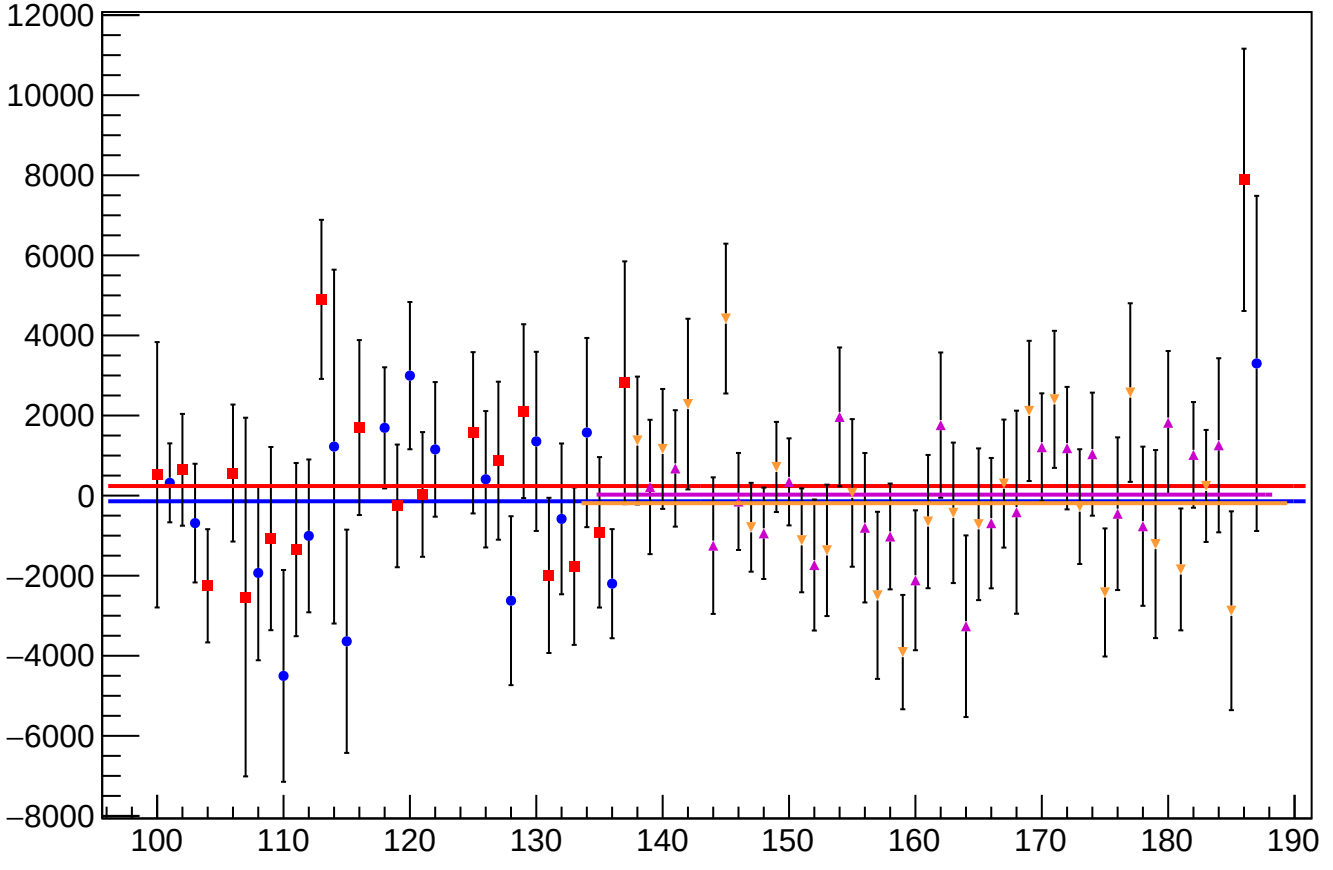
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.585+/-0.108 χ^2/NDF: 15892.7/40

All: 781.087+/-0.077 χ^2/NDF: 35948.9/82

- sign 782.593+/-0.108 χ^2/NDF: 19669.8/41

asym_us_avg_reg_correction_mean vs Slug



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 238.751+/-450.488 χ^2/NDF: 20.8/18

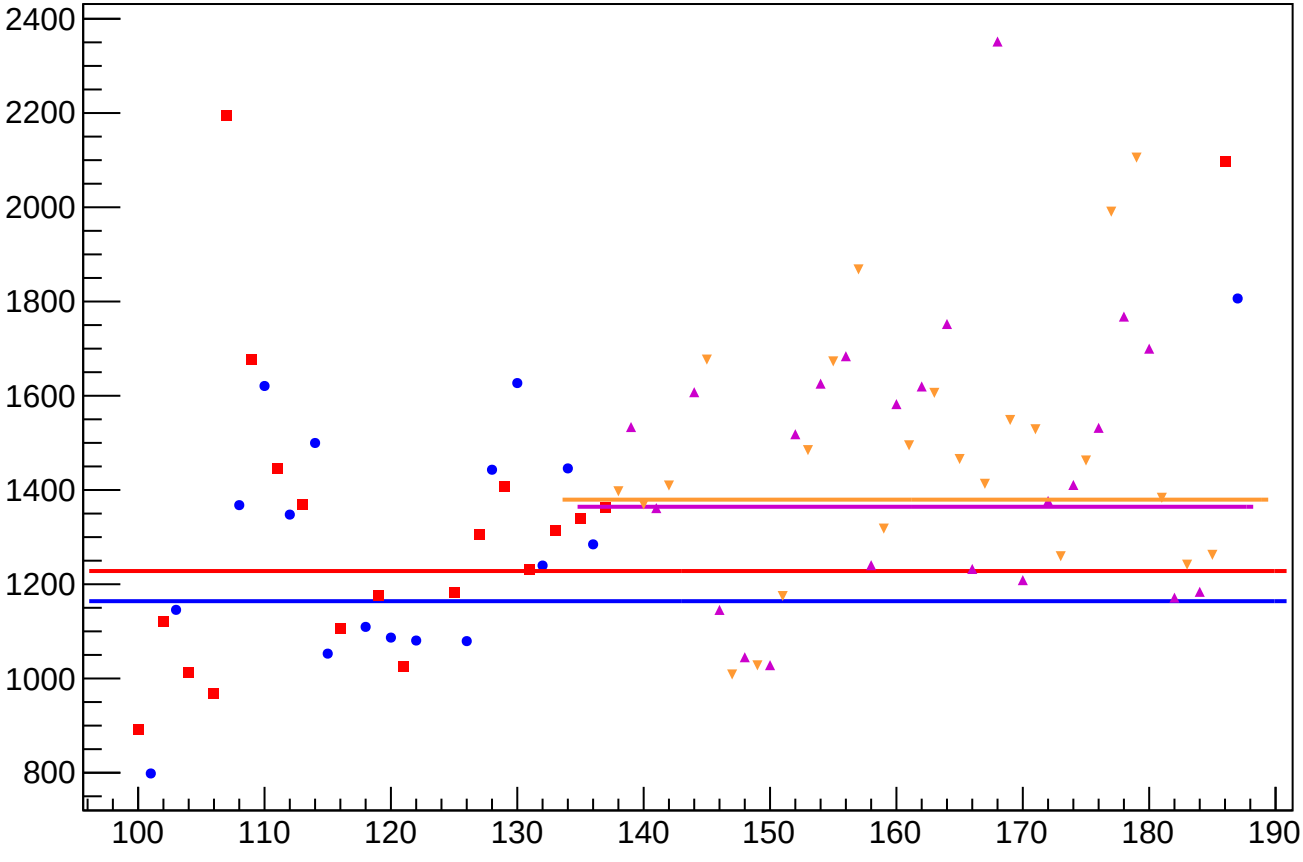
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

\+ sign -172.063+/-262.451 χ^2/NDF: 45.7/40

All: -38.031+/-186.126 χ^2/NDF: 80.6/82

\- sign 97.588+/-264.000 χ^2/NDF: 34.4/41

asym_us_avg_reg_correction_rms vs Slug



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

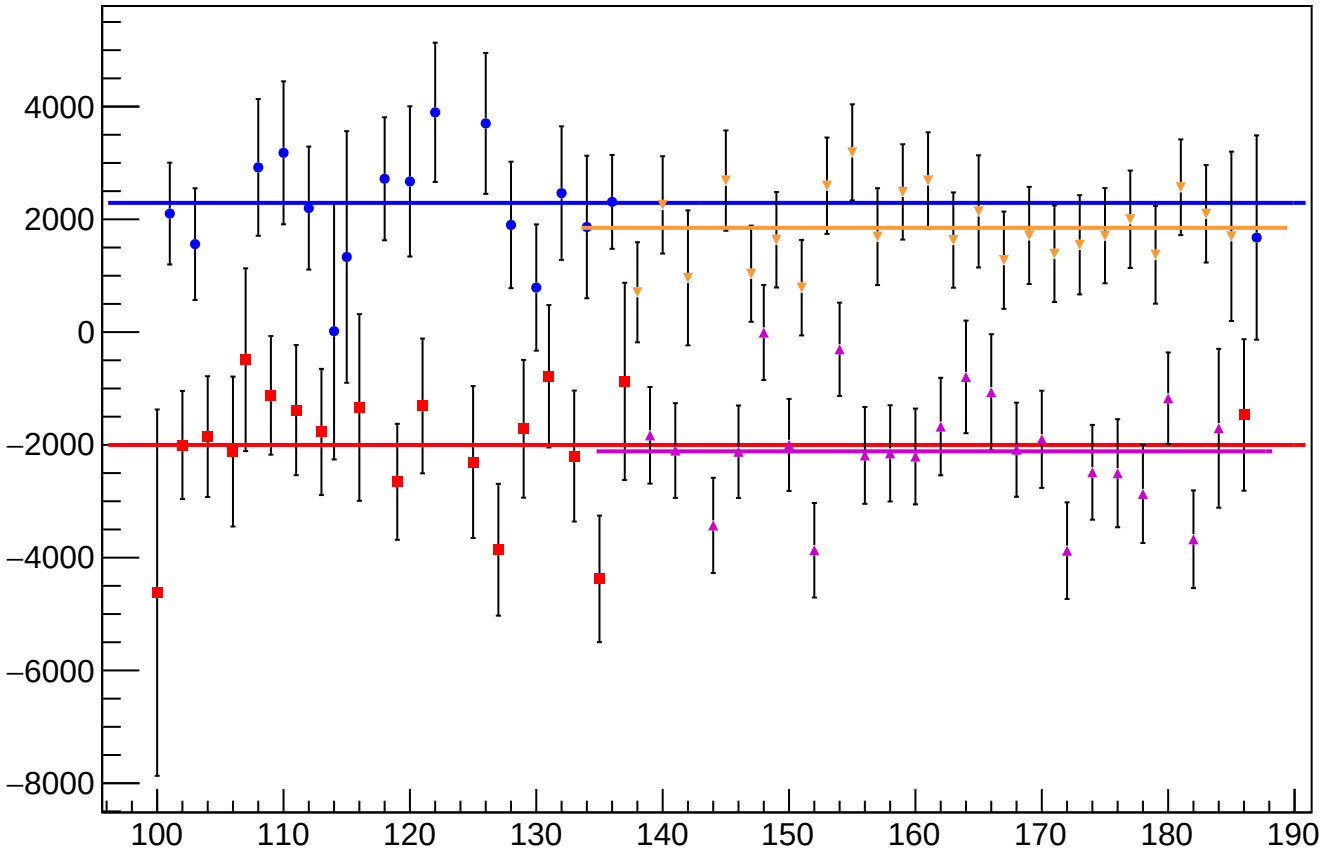
Right Out: 1228.036+/-0.319 χ^2/NDF: 541497.3/18

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1302.298+/-0.186 χ^2/NDF: 2085222.0/40

All: 1309.892+/-0.132 χ^2/NDF: 4062729.8/82

- sign 1317.576+/-0.187 χ^2/NDF: 1974138.7/41



Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -2000.890+/-283.282 χ^2/NDF: 12.1/18

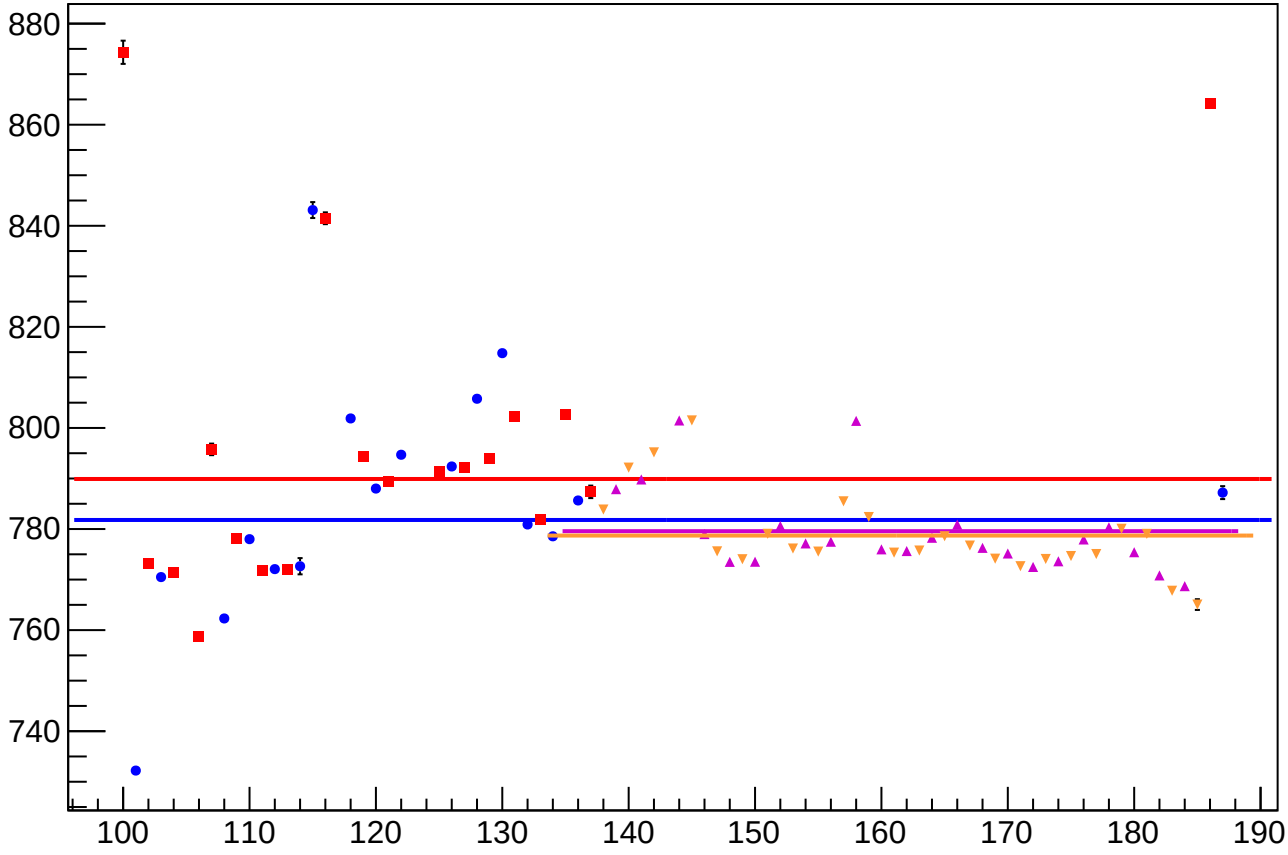
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1975.464+/-152.904 χ^2/NDF: 22.5/40

All: -49.794+/-108.202 χ^2/NDF: 417.2/82

- sign -2081.258+/-153.138 χ^2/NDF: 43.3/41

cor_asym_us_avg_rms vs Slug



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

Right Out: 789.904+/-0.200 χ^2/NDF: 13615.1/18

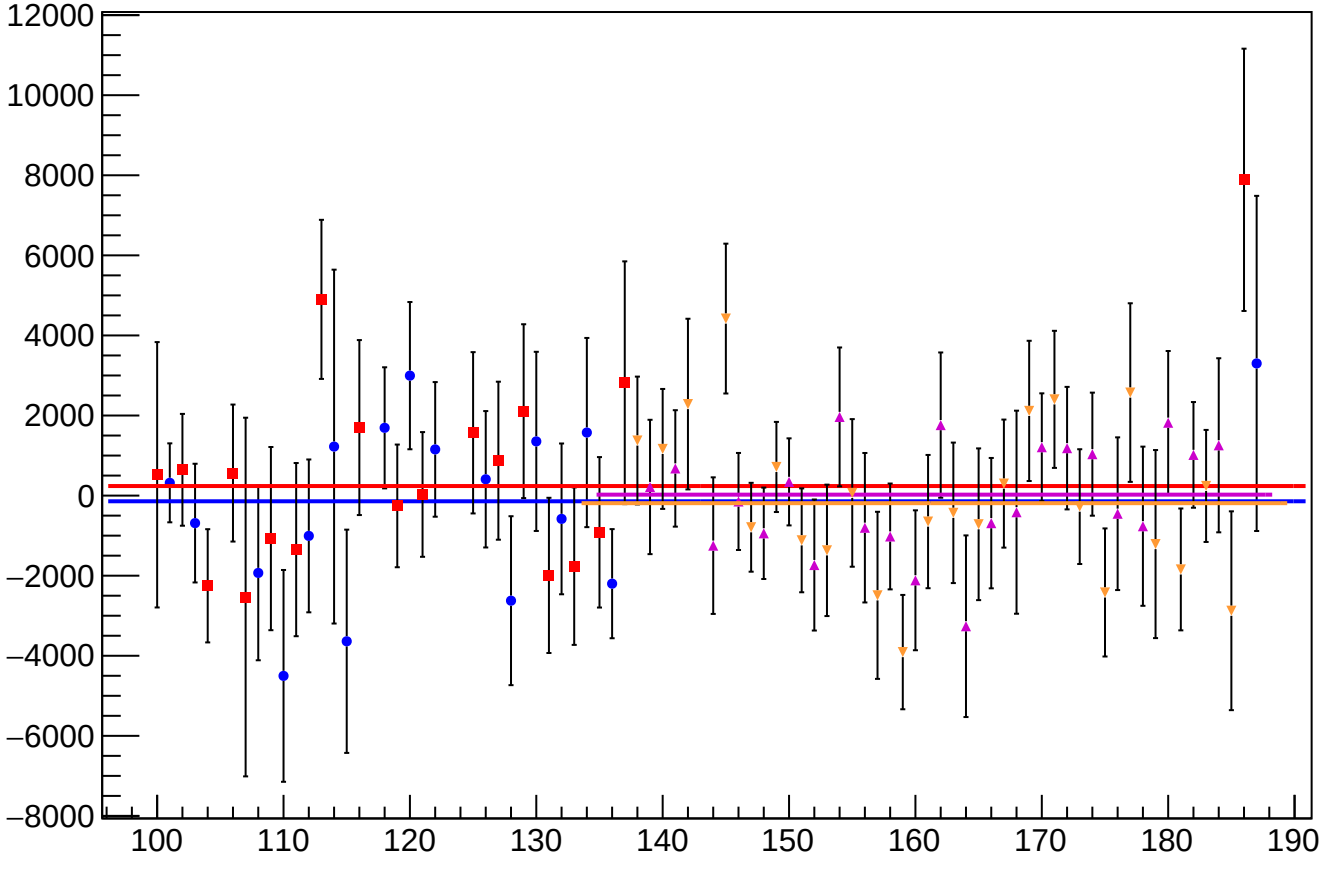
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.585+/-0.108 χ^2/NDF: 15892.7/40

All: 781.087+/-0.077 χ^2/NDF: 35948.9/82

- sign 782.593+/-0.108 χ^2/NDF: 19669.8/41

asym_us_avg_cor_correction_mean vs Slug



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 238.751+/-450.488 χ^2/NDF: 20.8/18

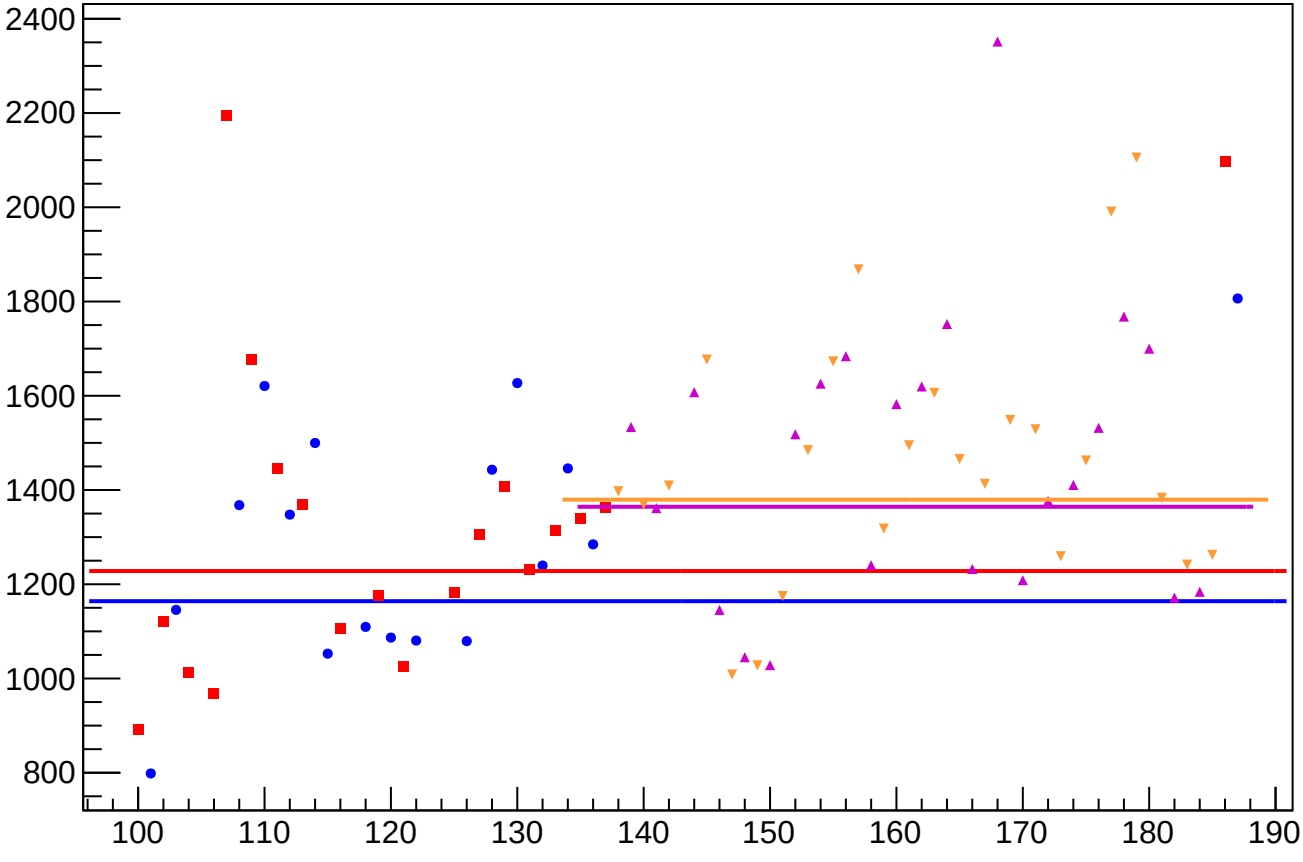
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -172.063+/-262.451 χ^2/NDF: 45.7/40

All: -38.031+/-186.126 χ^2/NDF: 80.6/82

- sign 97.588+/-264.000 χ^2/NDF: 34.4/41

asym_us_avg_cor_correction_rms vs Slug



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

Right Out: 1228.036+/-0.319 χ^2/NDF: 541497.3/18

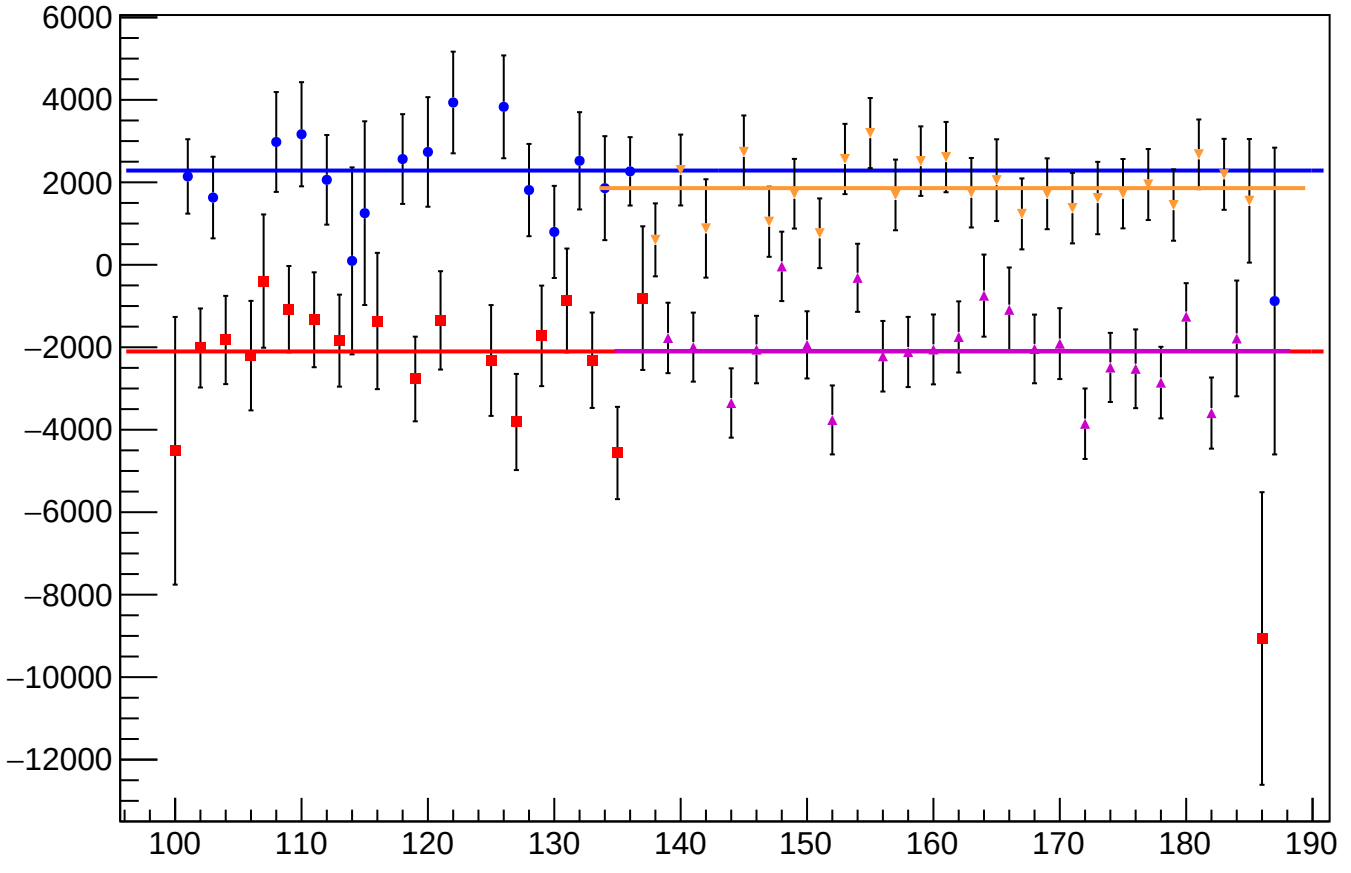
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1302.298+/-0.186 χ^2/NDF: 2085222.0/40

All: 1309.892+/-0.132 χ^2/NDF: 4062729.8/82

- sign 1317.576+/-0.187 χ^2/NDF: 1974138.7/41

overload_cor_asym_us_avg_mean vs Slug



Right In: 2285.655+/-288.829 χ^2/NDF: 8.8/16

Left Out: 1859.528+/-180.231 χ^2/NDF:13.5/23

Right Out: -2101.874+/-288.135 χ^2/NDF: 16.7/18

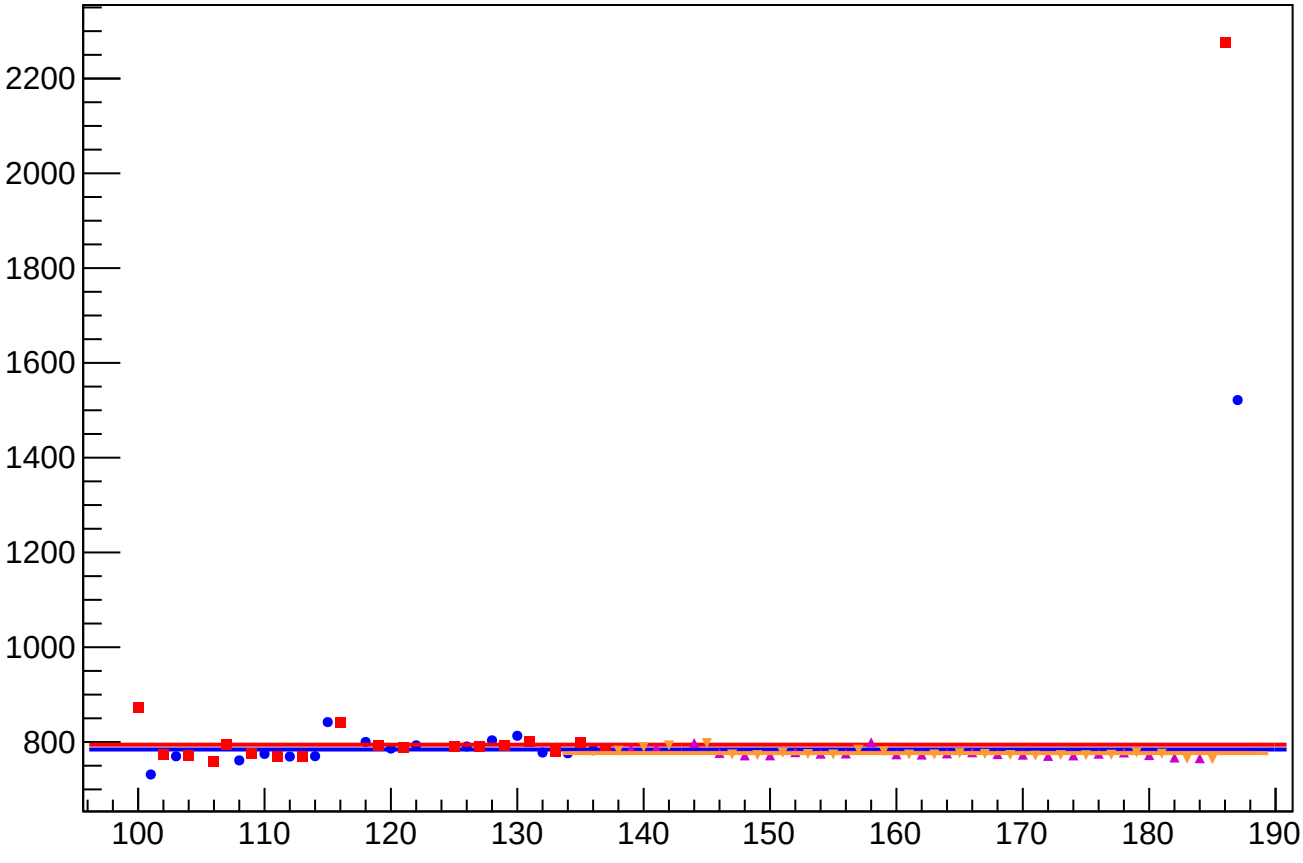
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 1978.953+/-152.904 χ^2/NDF: 23.9/40

All: -47.972+/-108.359 χ^2/NDF: 423.3/82

- sign -2093.010+/-153.585 χ^2/NDF: 46.4/41

overload_cor_asym_us_avg_rms vs Slug



Right In: 784.175+/-0.204 χ^2/NDF: 91131.6/16

Left Out: 776.523+/-0.127 χ^2/NDF:3137.1/23

Right Out: 794.356+/-0.204 χ^2/NDF: 357900.3/18

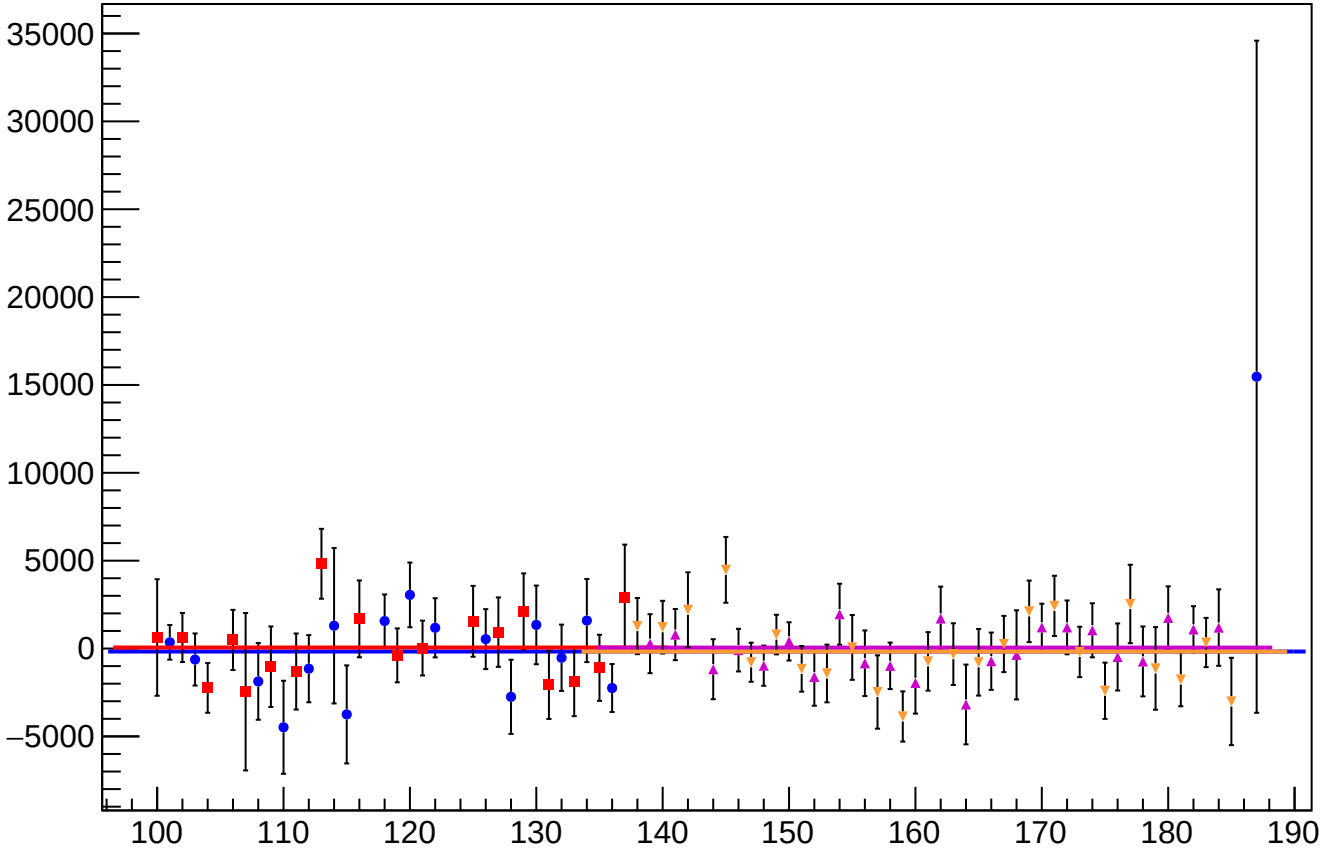
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 778.667+/-0.108 χ^2/NDF: 95279.1/40

All: 780.439+/-0.077 χ^2/NDF: 462731.5/82

- sign 782.227+/-0.109 χ^2/NDF: 366913.0/41

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -170.133+/-441.100 χ^2/NDF: 16.4/16

Left Out: -174.932+/-327.991 χ^2/NDF:29.6/23

Right Out: 58.040+/-455.216 χ^2/NDF: 15.3/17

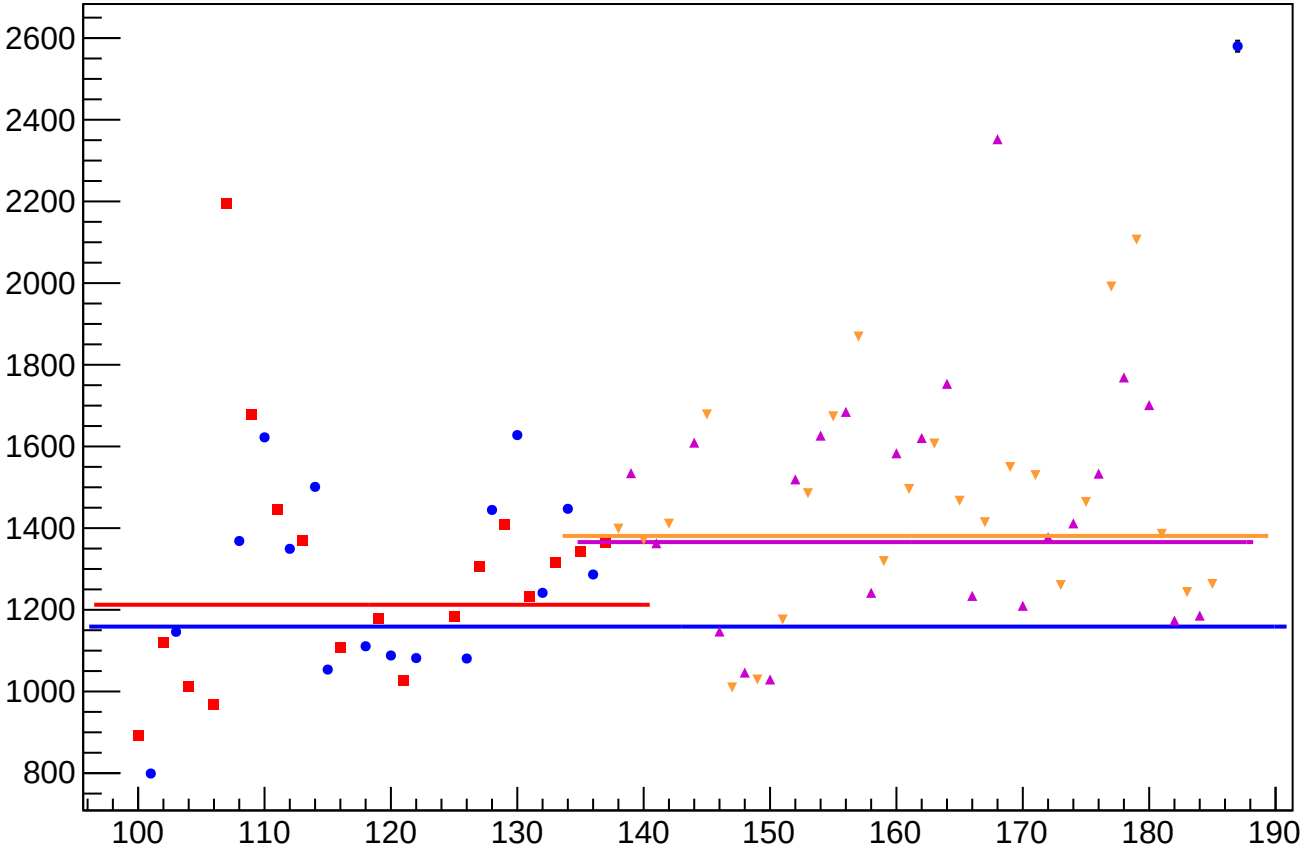
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -173.223+/-263.202 χ^2/NDF: 46.0/40

All: -60.139+/-186.783 χ^2/NDF: 74.6/81

- sign 54.591+/-265.111 χ^2/NDF: 28.2/40

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1158.890+/-0.312 χ^2/NDF: 580195.8/16

Left Out: 1380.952+/-0.232 χ^2/NDF:1155437.6/23

Right Out: 1212.347+/-0.322 χ^2/NDF: 397938.1/17

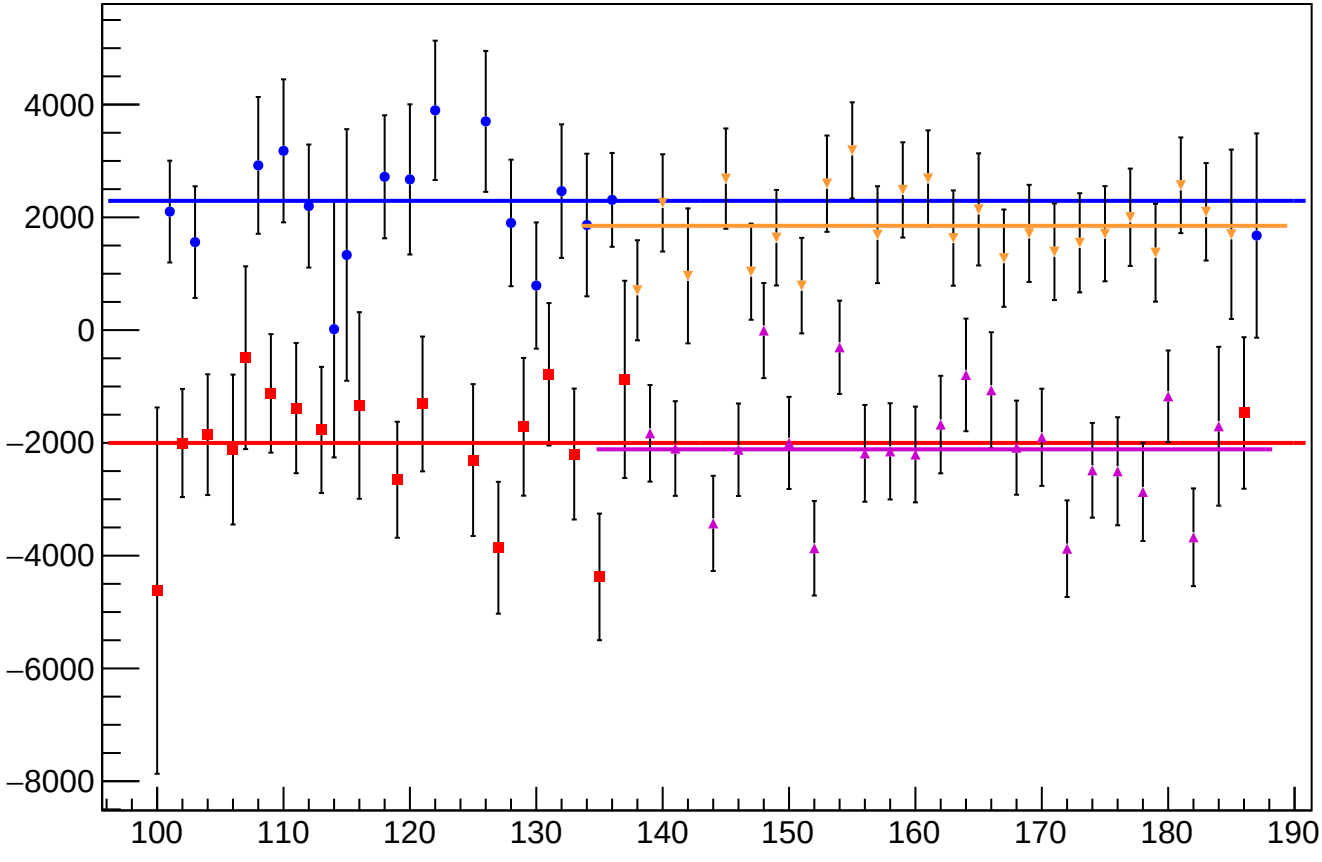
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1301.888+/-0.186 χ^2/NDF: 2062040.8/40

All: 1307.781+/-0.132 χ^2/NDF: 3921071.8/81

- sign 1313.760+/-0.187 χ^2/NDF: 1857011.0/40

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

Left Out: 1849.592+/-180.739 χ^2/NDF:12.8/23

Right Out: -2000.890+/-283.282 χ^2/NDF: 12.1/18

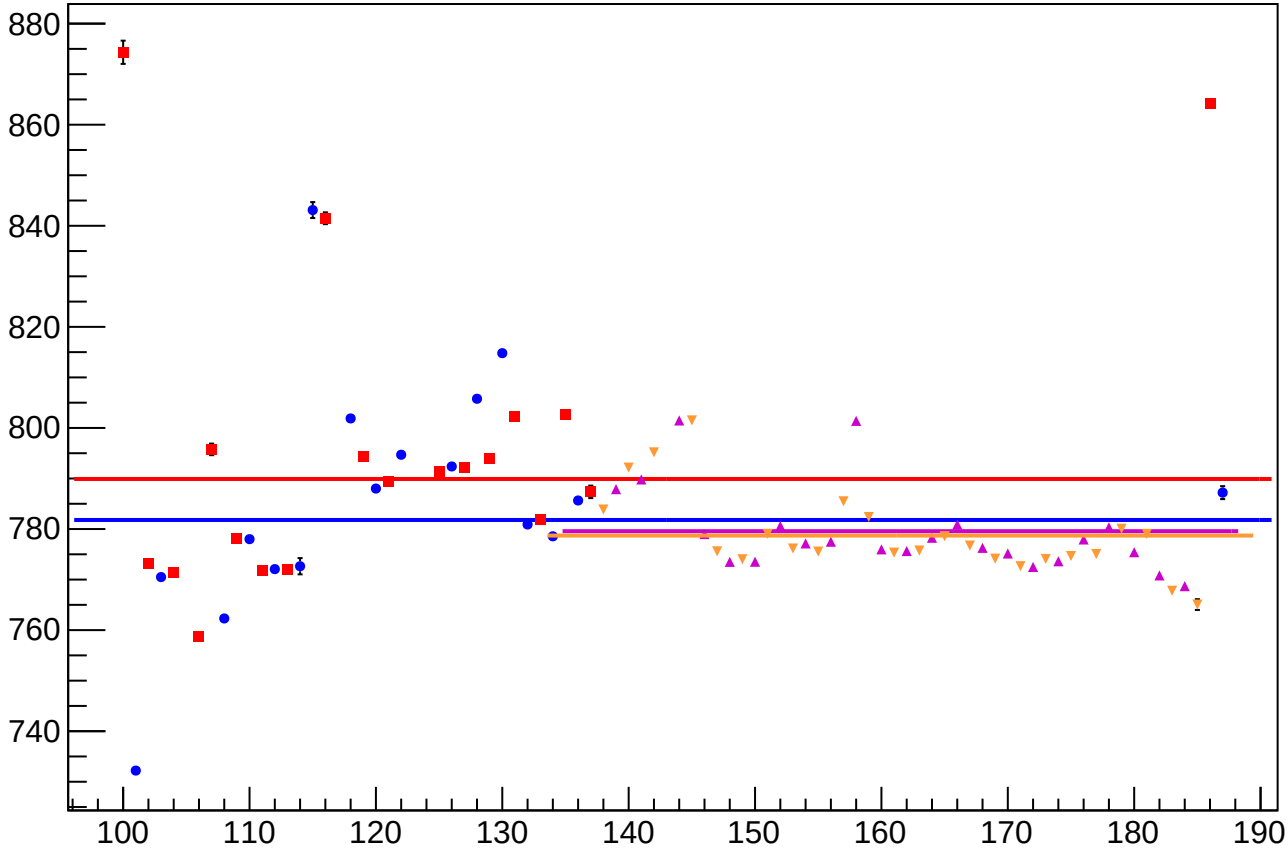
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 1975.464+/-152.904 χ^2/NDF: 22.5/40

All: -49.794+/-108.202 χ^2/NDF: 417.2/82

- sign -2081.258+/-153.138 χ^2/NDF: 43.3/41

eigen_cor_asym_us_avg_rms vs Slug



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

Left Out: 778.708+/-0.128 χ^2/NDF:3389.8/23

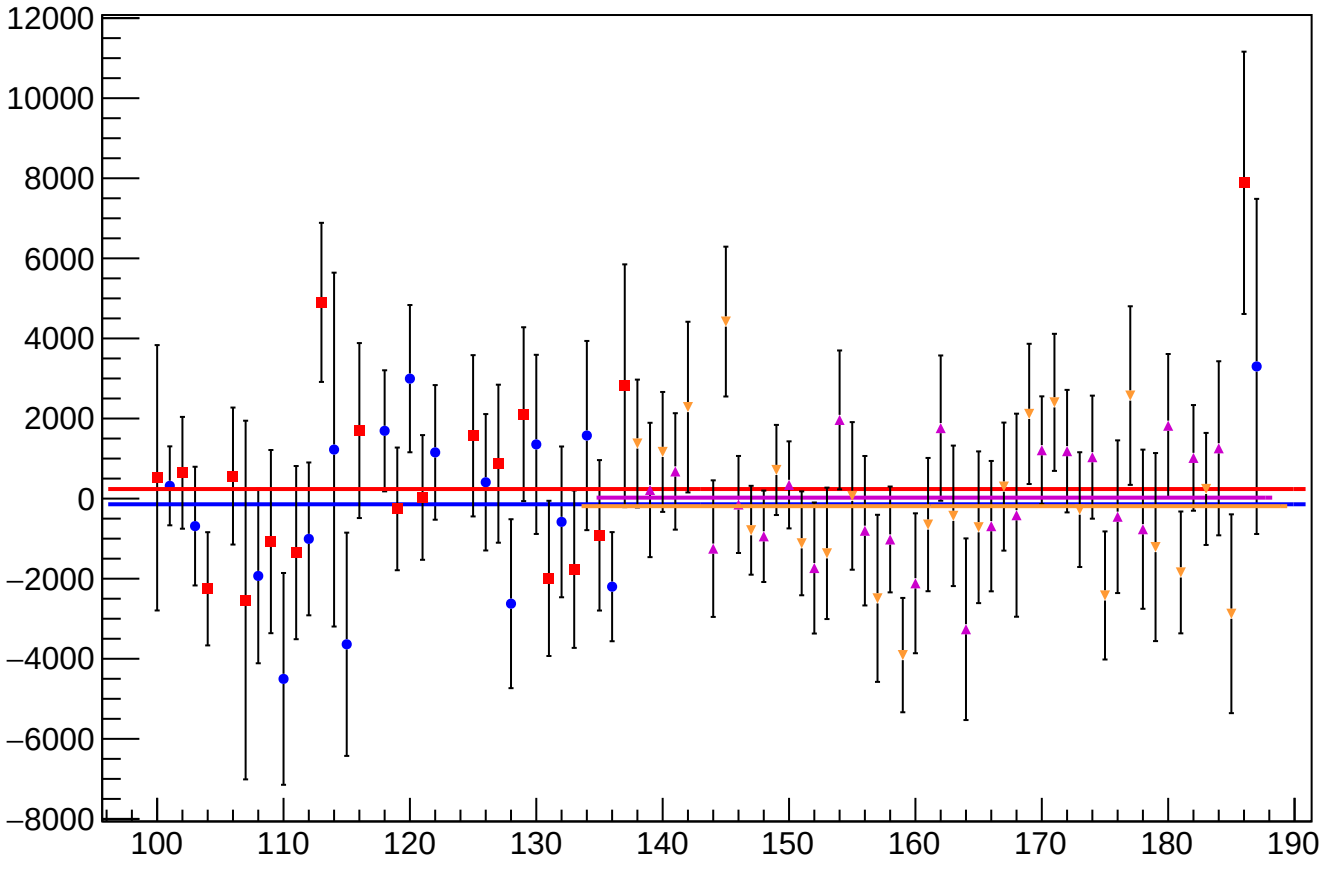
Right Out: 789.904+/-0.200 χ^2/NDF: 13615.1/18

Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 779.585+/-0.108 χ^2/NDF: 15892.7/40

All: 781.087+/-0.077 χ^2/NDF: 35948.9/82

- sign 782.593+/-0.108 χ^2/NDF: 19669.8/41



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

Left Out: -189.006+/-327.675 χ^2/NDF:29.6/23

Right Out: 238.751+/-450.488 χ^2/NDF: 20.8/18

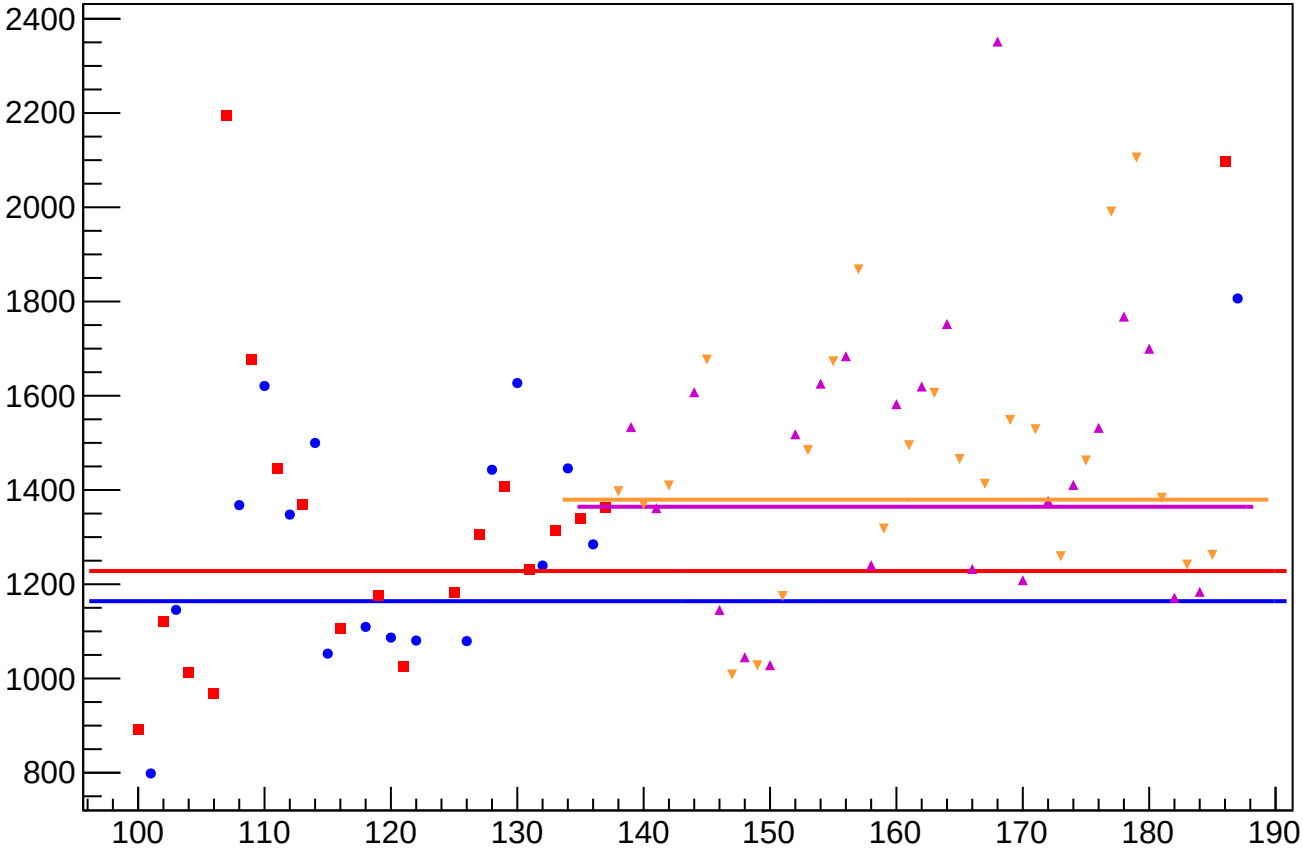
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -172.063+/-262.451 χ^2/NDF: 45.7/40

All: -38.031+/-186.126 χ^2/NDF: 80.6/82

- sign 97.588+/-264.000 χ^2/NDF: 34.4/41

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

Left Out: 1379.536+/-0.232 χ^2/NDF:1158468.5/23

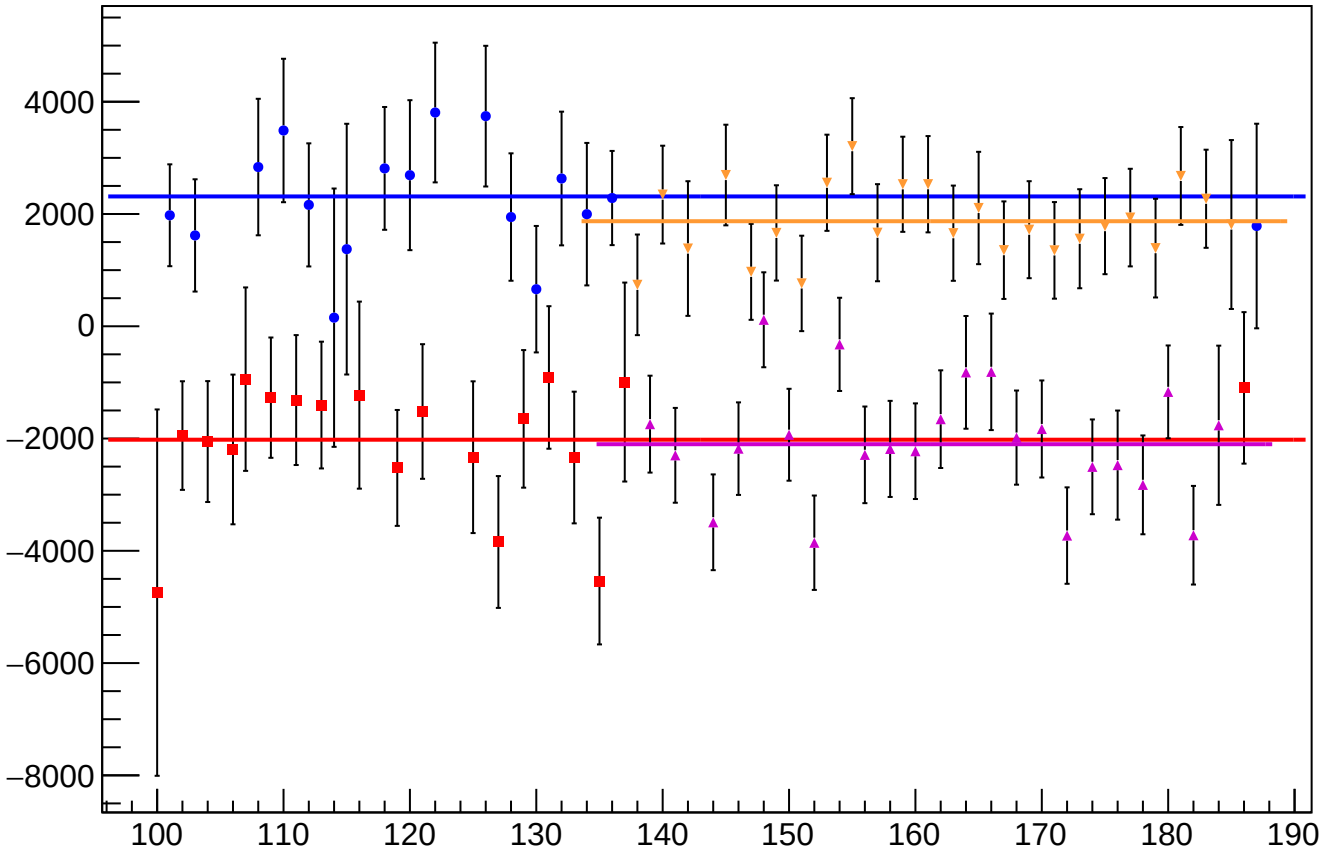
Right Out: 1228.036+/-0.319 χ^2/NDF: 541497.3/18

Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

\+ sign 1302.298+/-0.186 χ^2/NDF: 2085222.0/40

All: 1309.892+/-0.132 χ^2/NDF: 4062729.8/82

\- sign 1317.576+/-0.187 χ^2/NDF: 1974138.7/41



Right In: 2312.885+/-288.492 χ^2/NDF: 8.2/16

Left Out: 1871.457+/-181.976 χ^2/NDF:12.5/23

Right Out: -2020.807+/-285.199 χ^2/NDF: 12.1/18

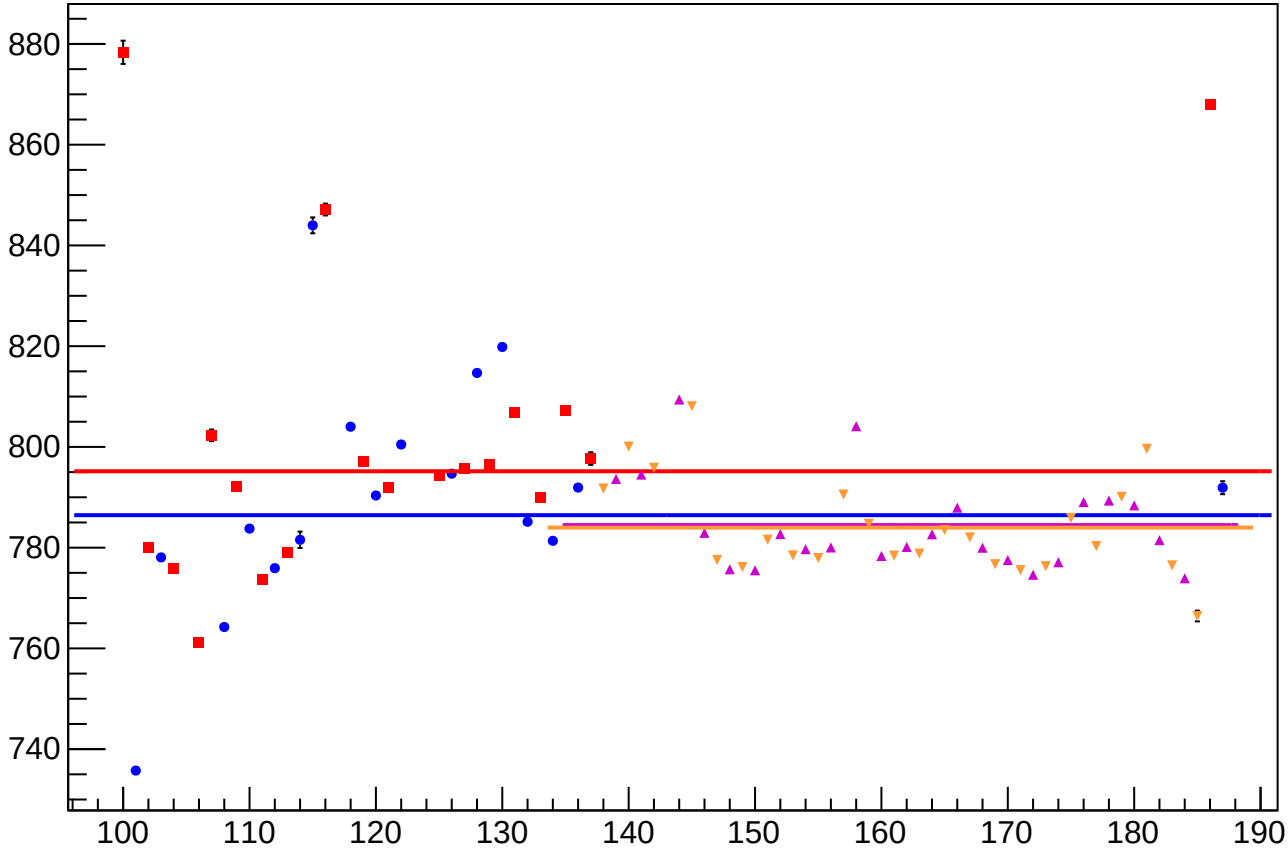
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1997.104+/-153.914 χ^2/NDF: 22.4/40

All: -37.445+/-108.909 χ^2/NDF: 416.3/82

- sign -2077.612+/-154.127 χ^2/NDF: 43.9/41

dit_asym_us_avg_rms vs Slug



Right In: 786.450+/-0.204 χ^2/NDF: 12589.5/16

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 795.165+/-0.202 χ^2/NDF: 13124.3/18

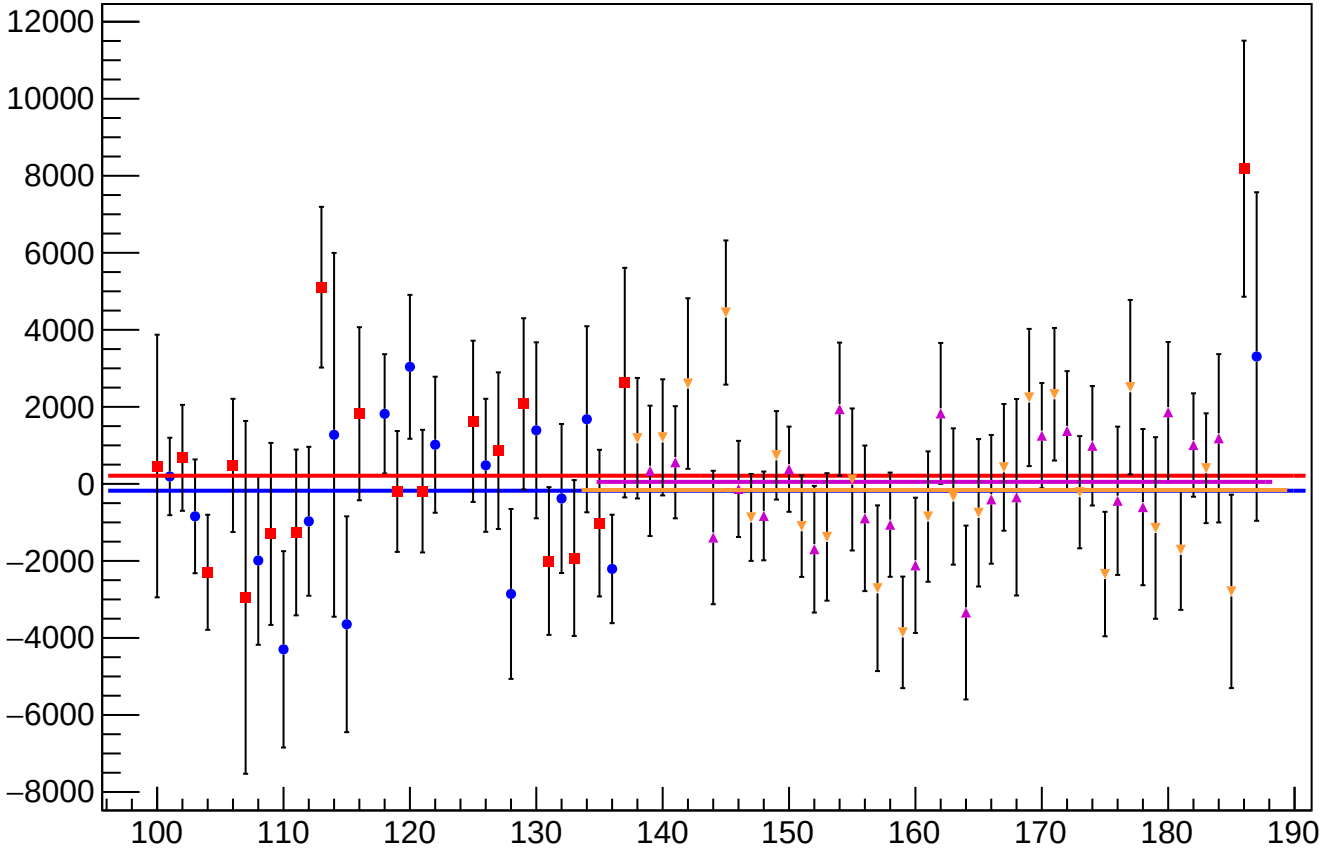
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.684+/-0.109 χ^2/NDF: 17622.2/40

All: 786.138+/-0.077 χ^2/NDF: 38021.6/82

- sign 787.595+/-0.109 χ^2/NDF: 20042.1/41

asym_us_avg_dit_correction_mean vs Slug



Right In: -177.473+/-447.061 χ^2/NDF: 16.0/16

Left Out: -159.275+/-332.190 χ^2/NDF:29.1/23

Right Out: 212.081+/-459.524 χ^2/NDF: 21.0/18

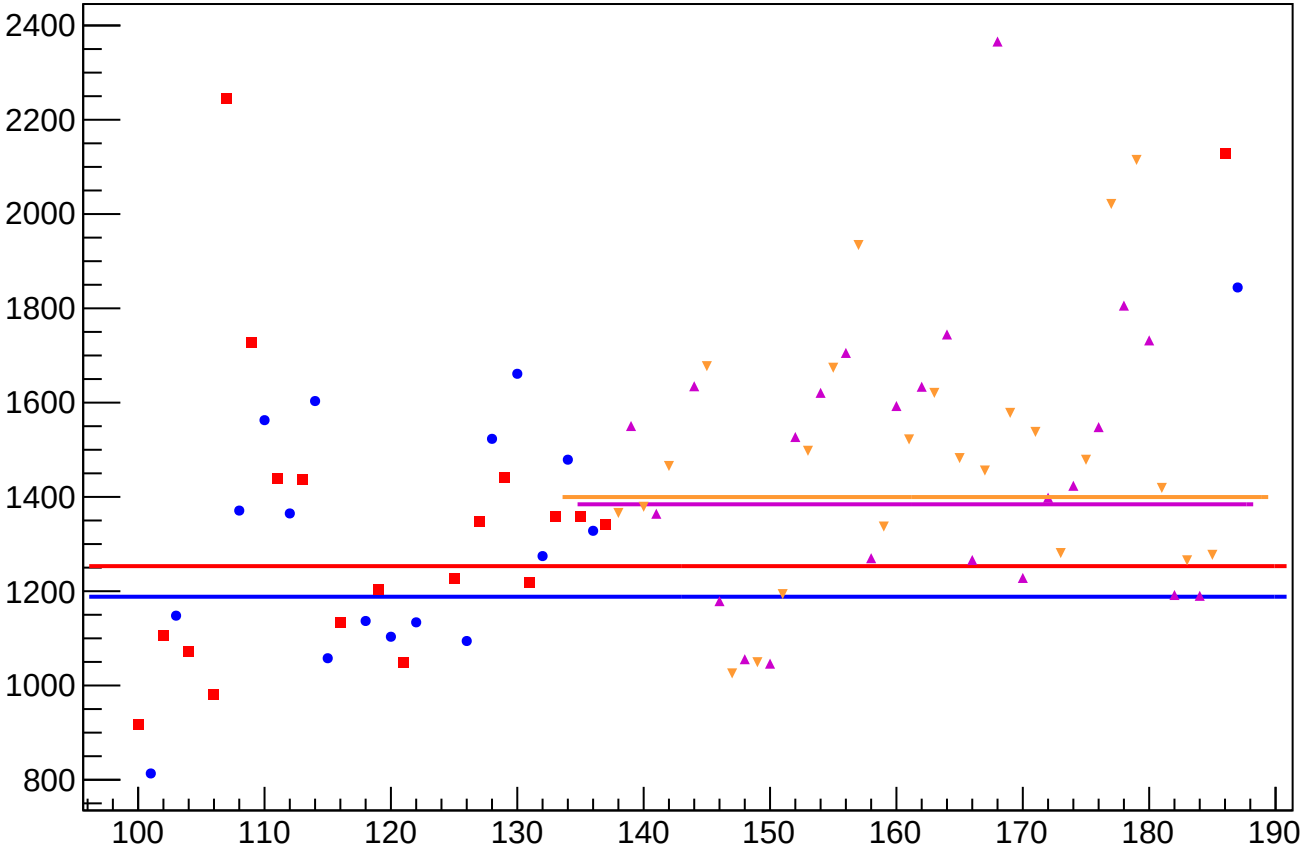
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

\+ sign -165.748+/-266.639 χ^2/NDF: 45.1/40

All: -30.397+/-189.075 χ^2/NDF: 80.1/82

\- sign 106.496+/-268.154 χ^2/NDF: 34.5/41

asym_us_avg_dit_correction_rms vs Slug



Right In: 1188.284+/-0.316 χ^2/NDF: 618937.9/16

Left Out: 1399.717+/-0.235 χ^2/NDF:1136350.2/23

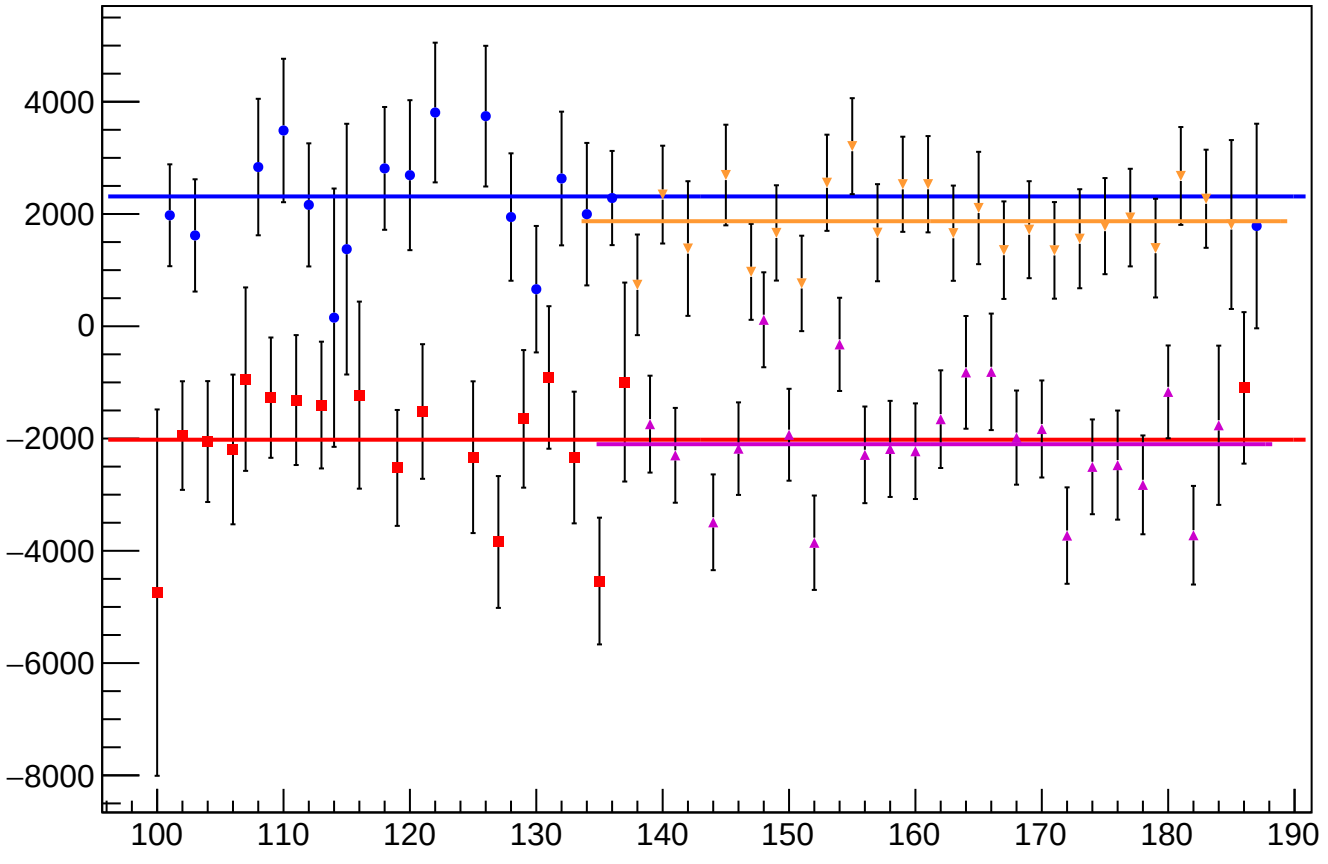
Right Out: 1253.177+/-0.325 χ^2/NDF: 538463.8/18

Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1324.505+/-0.189 χ^2/NDF: 2043500.4/40

All: 1332.045+/-0.134 χ^2/NDF: 3962563.4/82

- sign 1339.671+/-0.190 χ^2/NDF: 1915846.2/41



Right In: 2312.885+/-288.492 χ^2/NDF: 8.2/16

Left Out: 1871.455+/-181.976 χ^2/NDF:12.5/23

Right Out: -2020.805+/-285.199 χ^2/NDF: 12.1/18

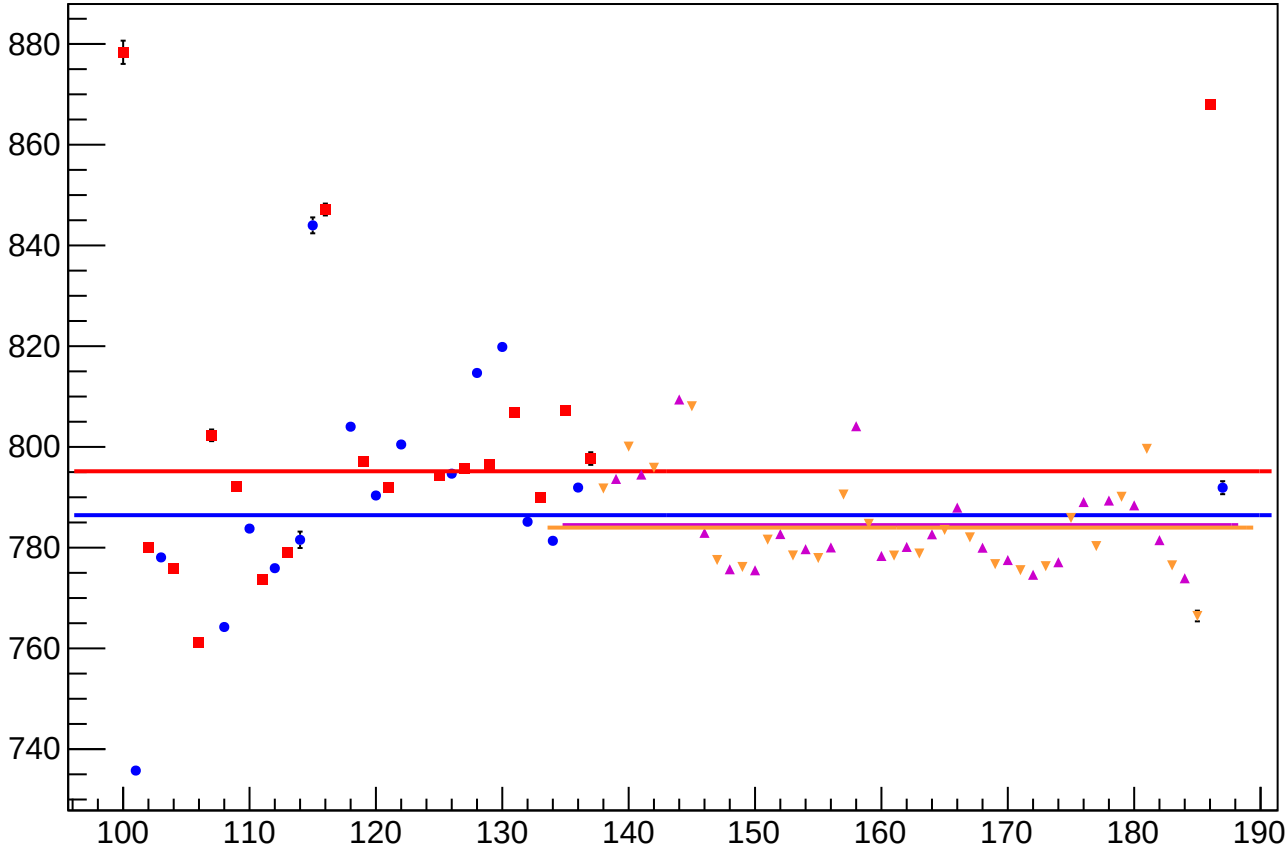
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 1997.102+/-153.914 χ^2/NDF: 22.4/40

All: -37.446+/-108.909 χ^2/NDF: 416.3/82

- sign -2077.612+/-154.127 χ^2/NDF: 43.9/41

eigen_dit_asym_us_avg_rms vs Slug



Right In: 786.450+/-0.204 χ^2/NDF: 12589.4/16

Left Out: 783.982+/-0.129 χ^2/NDF:4928.0/23

Right Out: 795.165+/-0.202 χ^2/NDF: 13124.3/18

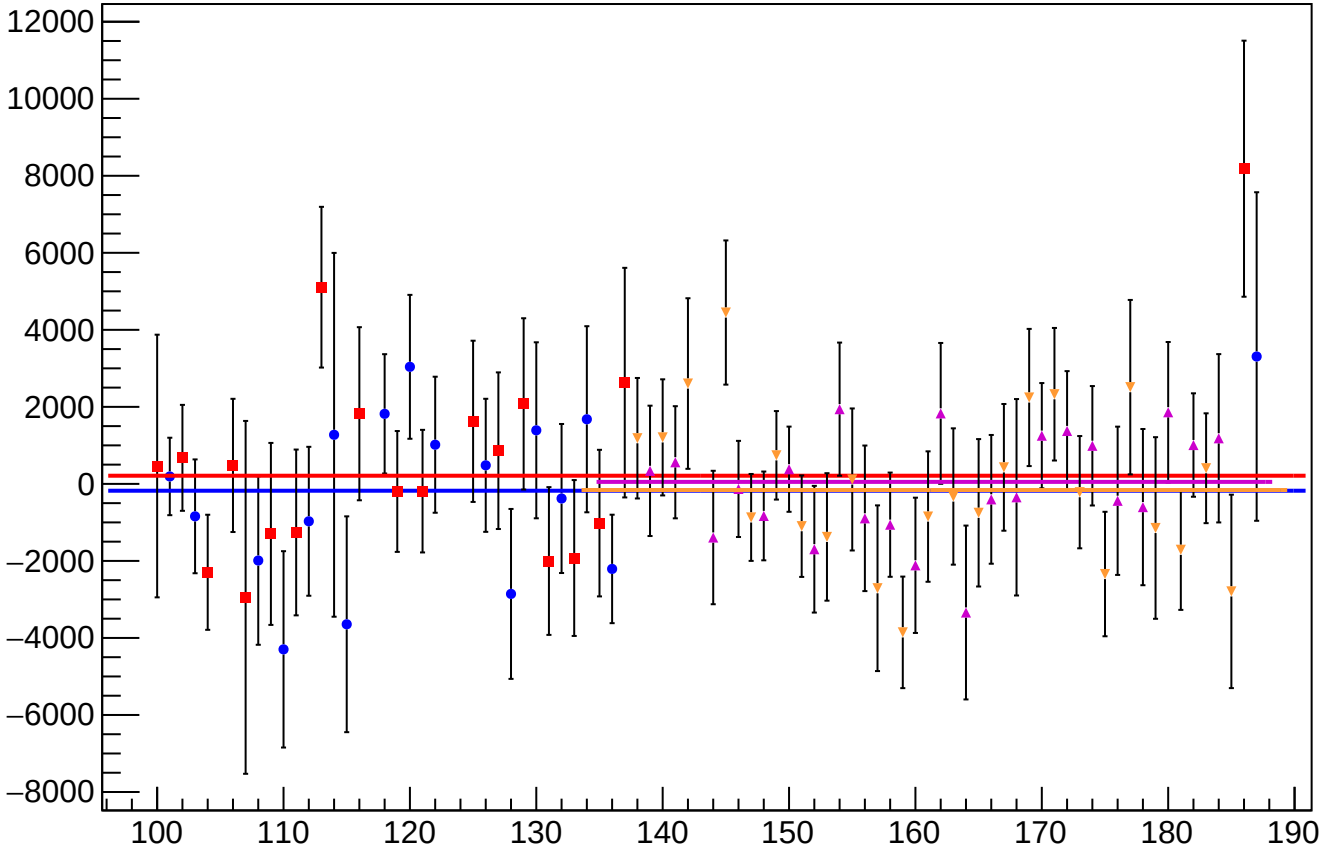
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 784.684+/-0.109 χ^2/NDF: 17622.1/40

All: 786.138+/-0.077 χ^2/NDF: 38021.4/82

- sign 787.595+/-0.109 χ^2/NDF: 20042.1/41

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -177.473+/-447.060 χ^2/NDF: 16.0/16

Left Out: -159.278+/-332.191 χ^2/NDF:29.1/23

Right Out: 212.079+/-459.523 χ^2/NDF: 21.0/18

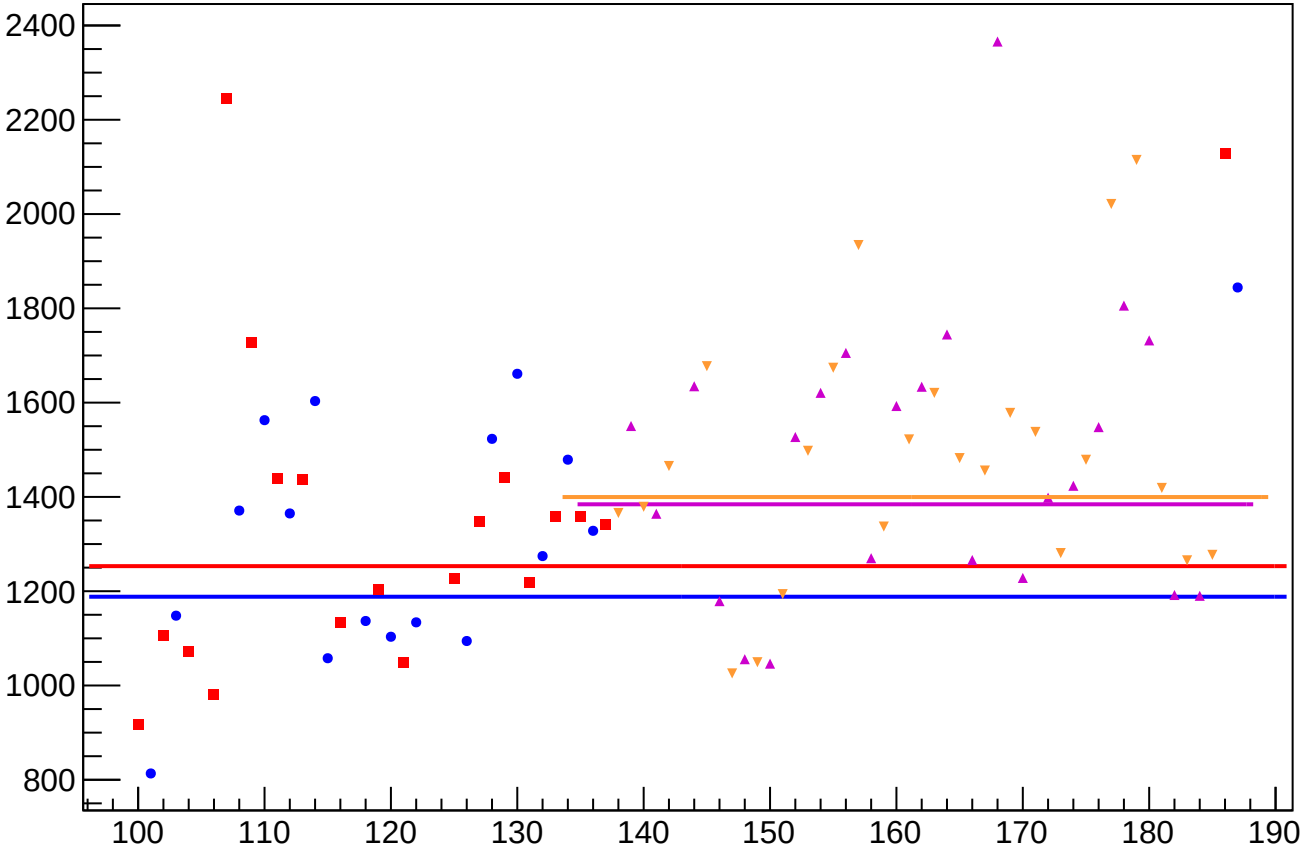
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign -165.750+/-266.639 χ^2/NDF: 45.1/40

All: -30.399+/-189.075 χ^2/NDF: 80.1/82

\- sign 106.495+/-268.154 χ^2/NDF: 34.5/41

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1188.281+/-0.316 χ^2/NDF: 618936.4/16

Left Out: 1399.720+/-0.235 χ^2/NDF:1136351.3/23

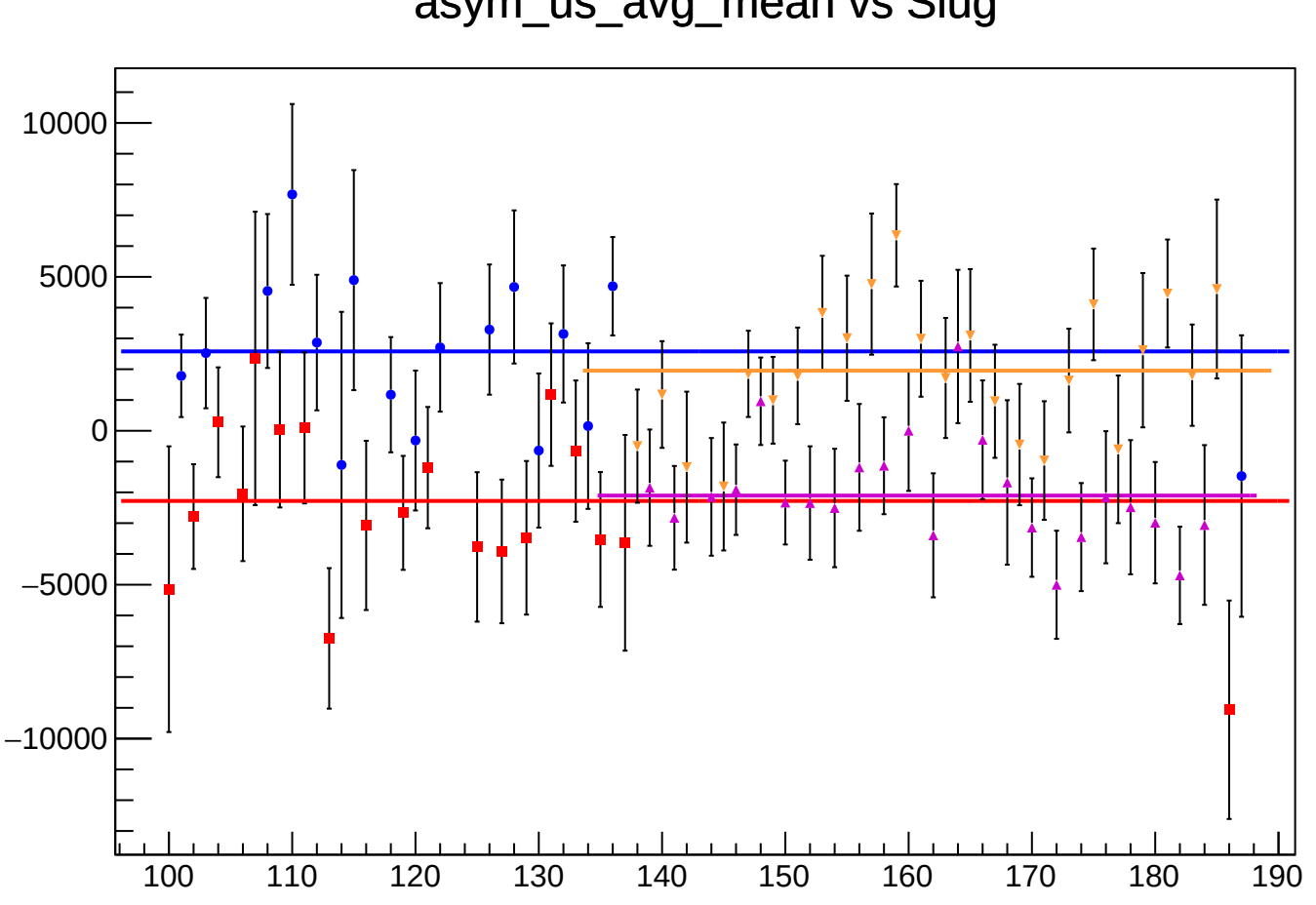
Right Out: 1253.174+/-0.325 χ^2/NDF: 538464.3/18

Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1324.506+/-0.189 χ^2/NDF: 2043515.7/40

All: 1332.046+/-0.134 χ^2/NDF: 3962589.7/82

- sign 1339.672+/-0.190 χ^2/NDF: 1915857.2/41



Right In: 2579.295+/-534.346 χ^2/NDF: 13.1/16

Left Out: 1952.406+/-380.269 χ^2/NDF:27.4/23

Right Out: -2278.678+/-541.080 χ^2/NDF: 17.5/18

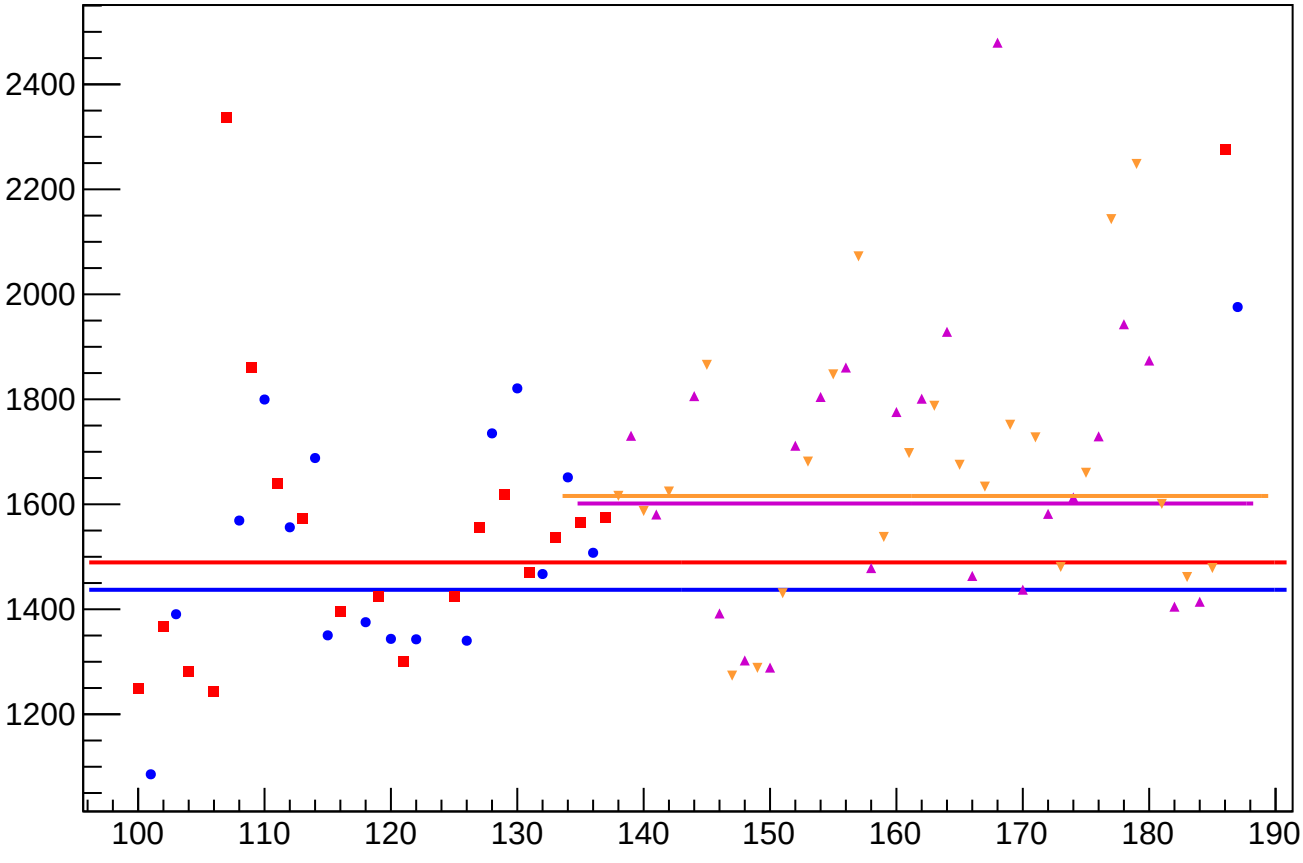
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2163.159+/-309.823 χ^2/NDF: 41.3/40

All: 4.734+/-219.300 χ^2/NDF: 174.7/82

- sign -2162.454+/-310.451 χ^2/NDF: 36.1/41

asym_us_avg_rms vs Slug



Right In: 1437.116+/-0.378 χ^2/NDF: 321544.4/16

Left Out: 1615.853+/-0.269 χ^2/NDF:694353.3/23

Right Out: 1489.280+/-0.383 χ^2/NDF: 318557.4/18

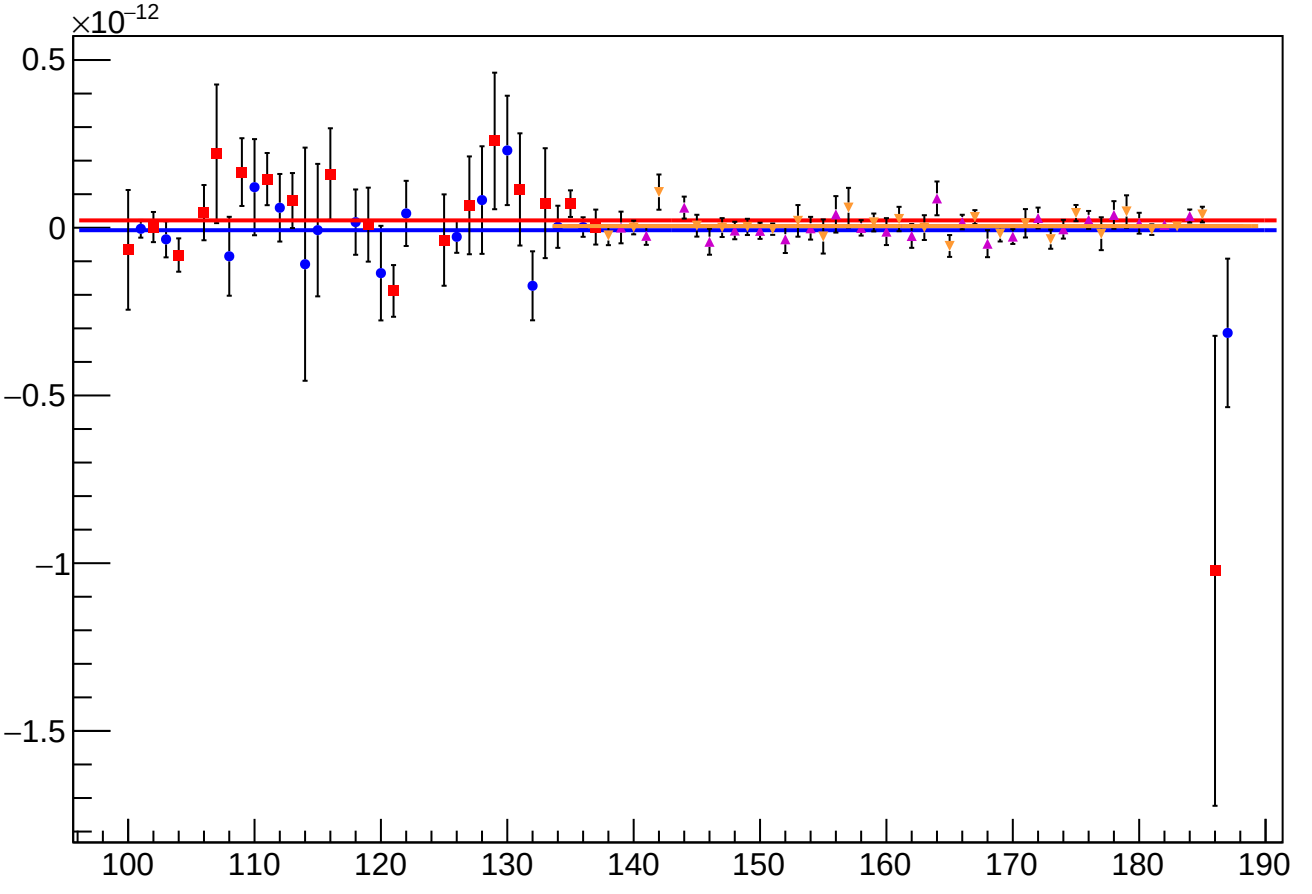
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1555.764+/-0.219 χ^2/NDF: 1164444.0/40

All: 1560.150+/-0.155 χ^2/NDF: 2335232.3/82

- sign 1564.554+/-0.220 χ^2/NDF: 1169985.0/41

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.0/23

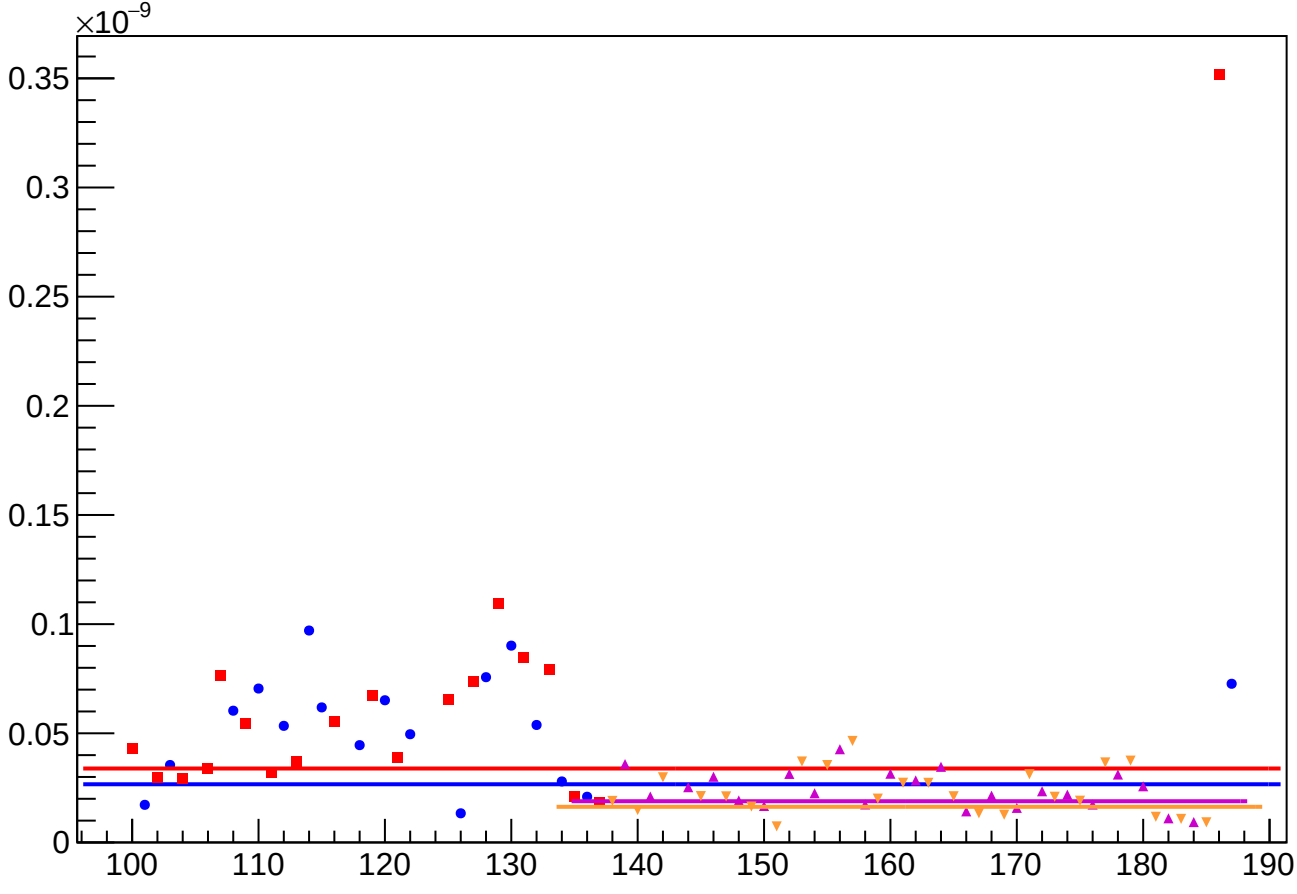
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.0/40

All: 0.000+/-0.000 χ^2/NDF: 77.6/82

- sign 0.000+/-0.000 χ^2/NDF: 45.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 2225365.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4263140.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2123767.4/18

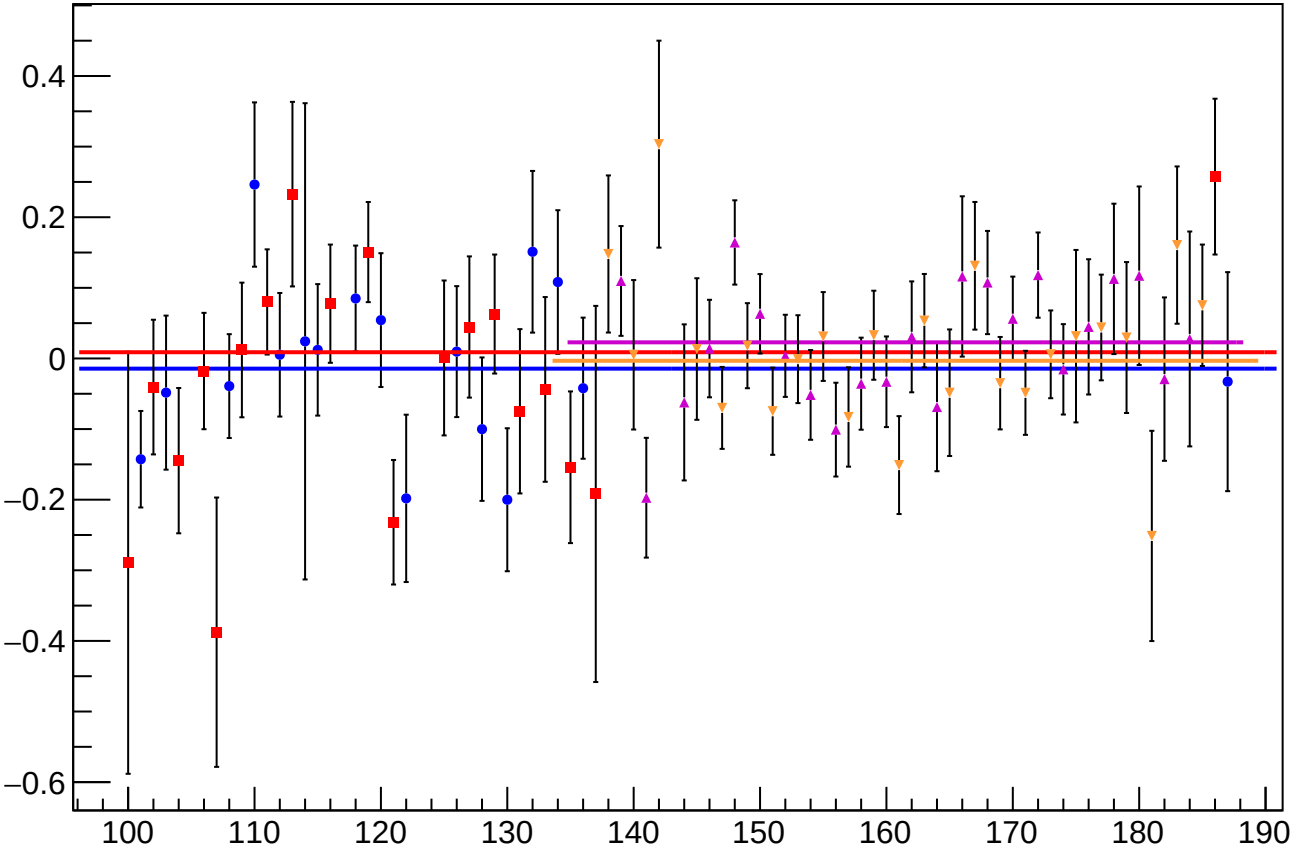
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7316745.2/40

All: 0.000+/-0.000 χ^2/NDF: 14213604.4/82

- sign 0.000+/-0.000 χ^2/NDF: 6613135.4/41

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

Right Out: 0.009+/-0.023 χ^2/NDF: 33.1/18

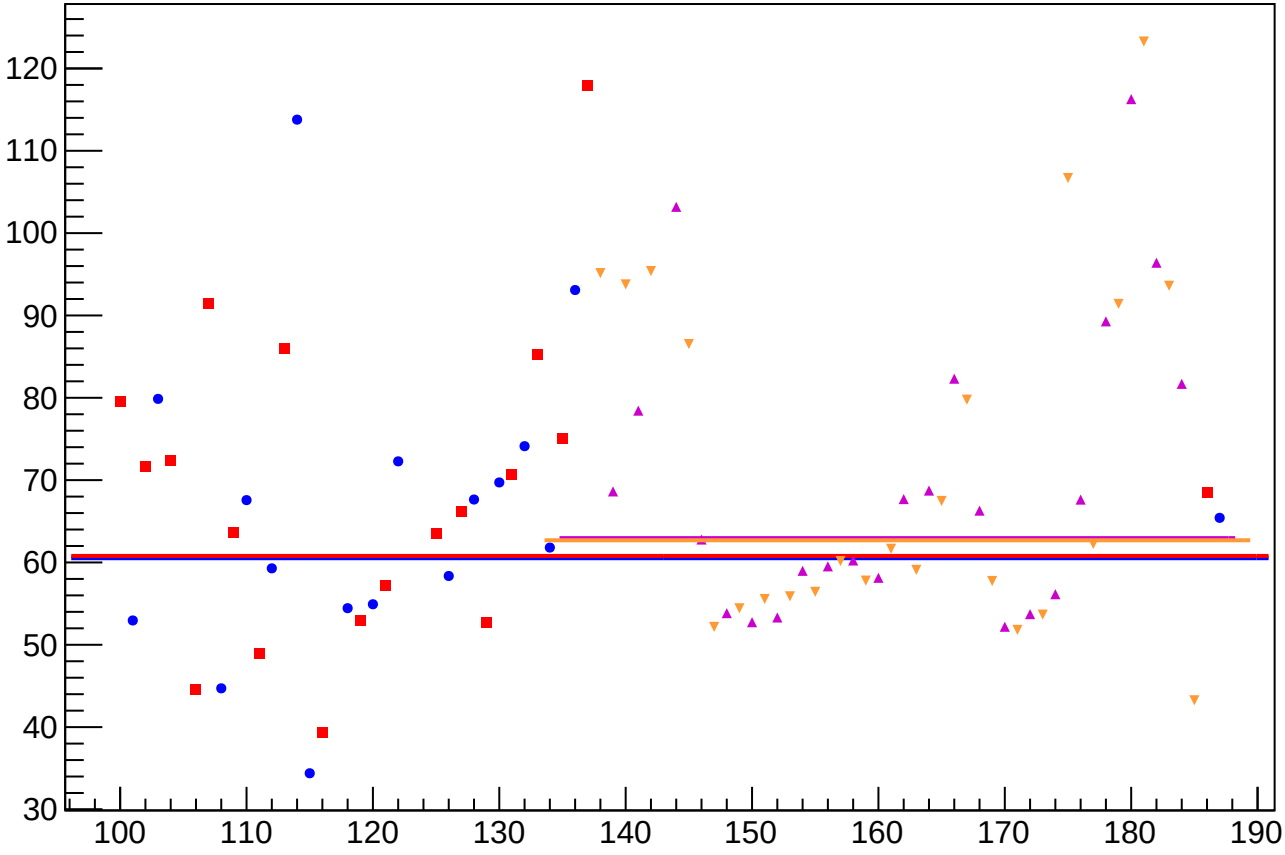
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.013 χ^2/NDF: 47.4/40

All: 0.006+/-0.009 χ^2/NDF: 111.6/82

- sign 0.019+/-0.013 χ^2/NDF: 62.3/41

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.515+/-0.017 χ^2/NDF: 705203.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

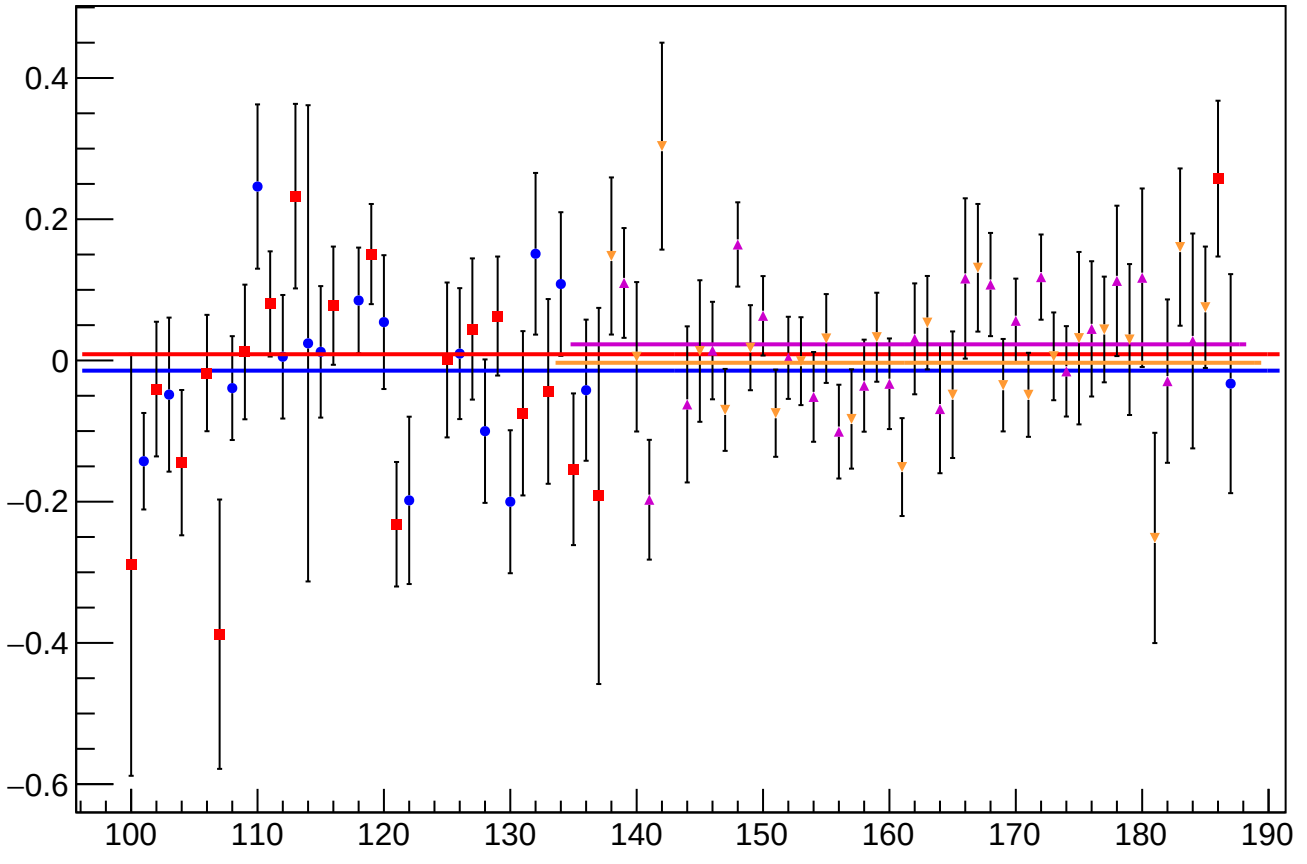
Right Out: 60.793+/-0.016 χ^2/NDF: 721343.5/18

Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.037+/-0.009 χ^2/NDF: 2656526.0/40

All: 62.165+/-0.006 χ^2/NDF: 4820655.6/82

- sign 62.291+/-0.009 χ^2/NDF: 2163743.9/41



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

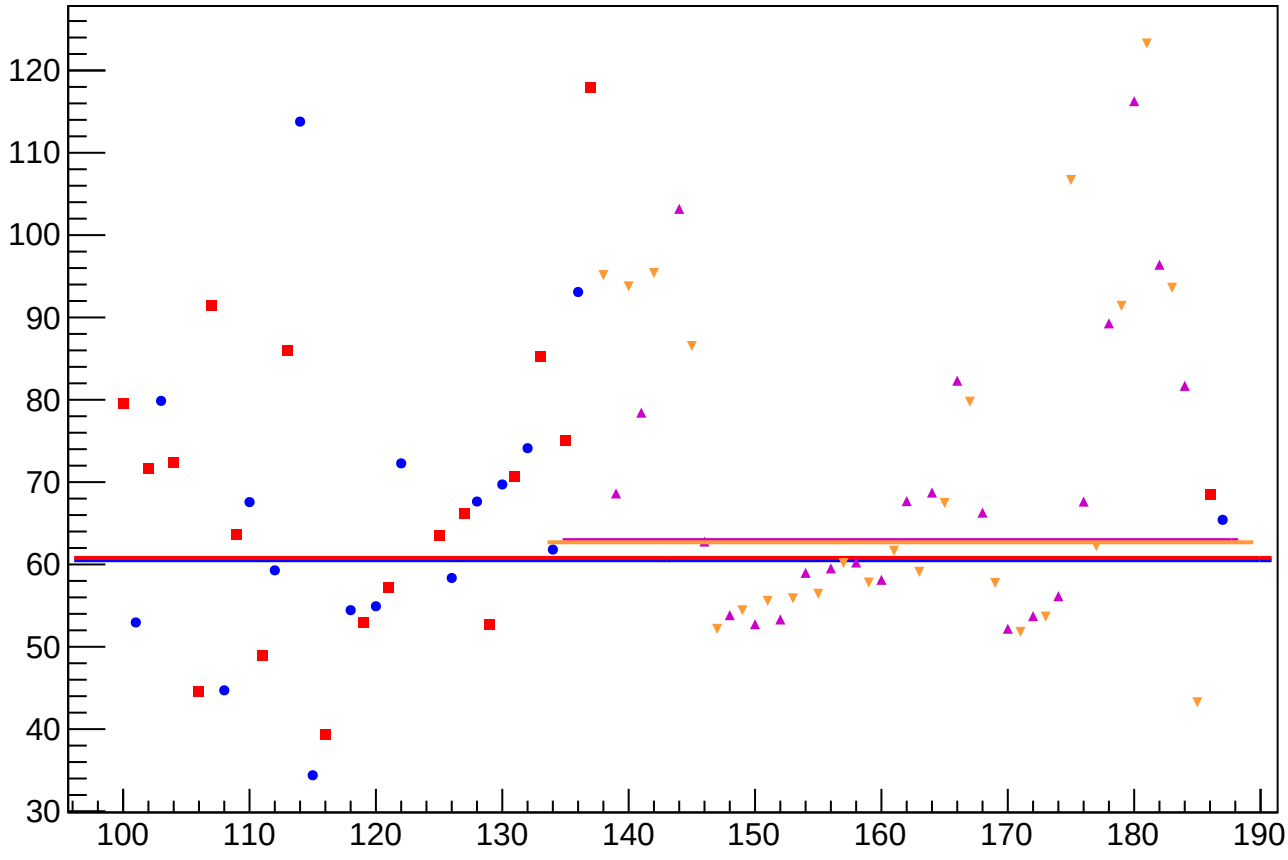
Right Out: 0.009+/-0.023 χ^2/NDF: 33.1/18

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.013 χ^2/NDF: 47.4/40

All: 0.006+/-0.009 χ^2/NDF: 111.6/82

- sign 0.019+/-0.013 χ^2/NDF: 62.3/41



Right In: 60.515+/-0.017 χ^2/NDF: 705203.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939401.0/23

Right Out: 60.793+/-0.016 χ^2/NDF: 721343.5/18

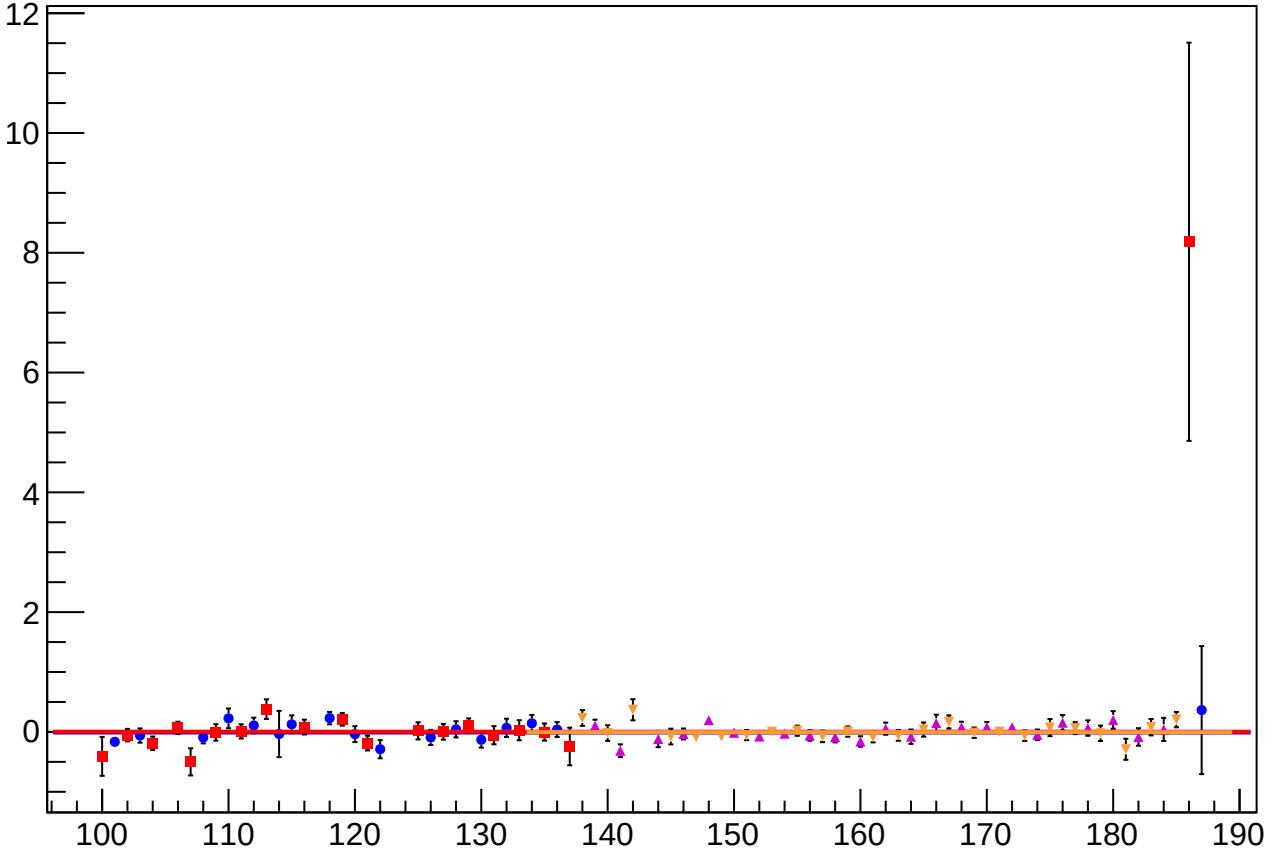
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.037+/-0.009 χ^2/NDF: 2656526.0/40

All: 62.165+/-0.006 χ^2/NDF: 4820655.6/82

- sign 62.291+/-0.009 χ^2/NDF: 2163743.9/41

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.010+/-0.032 χ^2/NDF: 20.3/16

Left Out: -0.004+/-0.021 χ^2/NDF:21.4/23

Right Out: 0.004+/-0.032 χ^2/NDF: 29.7/18

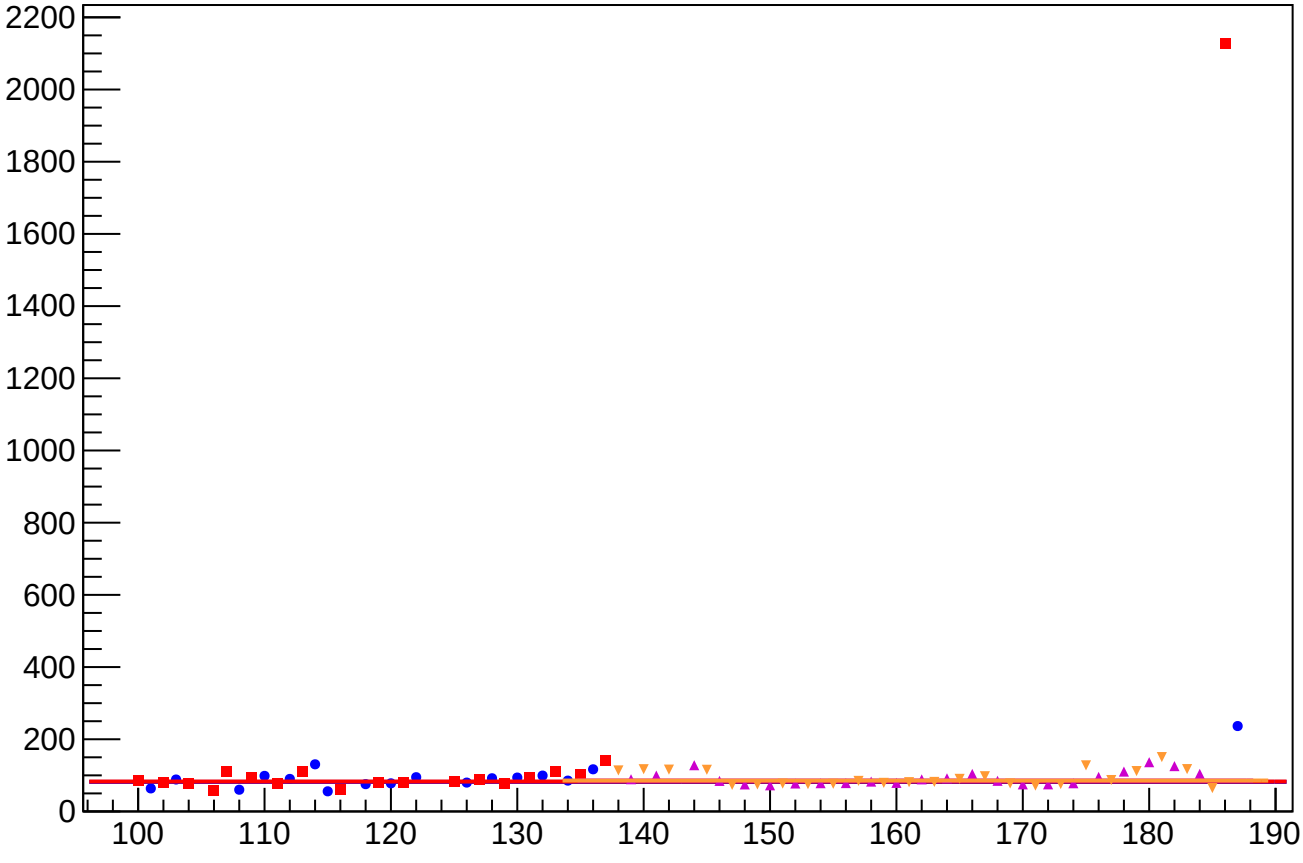
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.006+/-0.017 χ^2/NDF: 41.7/40

All: -0.003+/-0.012 χ^2/NDF: 102.0/82

- sign -0.000+/-0.017 χ^2/NDF: 60.3/41

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.799+/-0.022 χ^2/NDF: 603812.2/16

Left Out: 85.650+/-0.015 χ^2/NDF:1352748.5/23

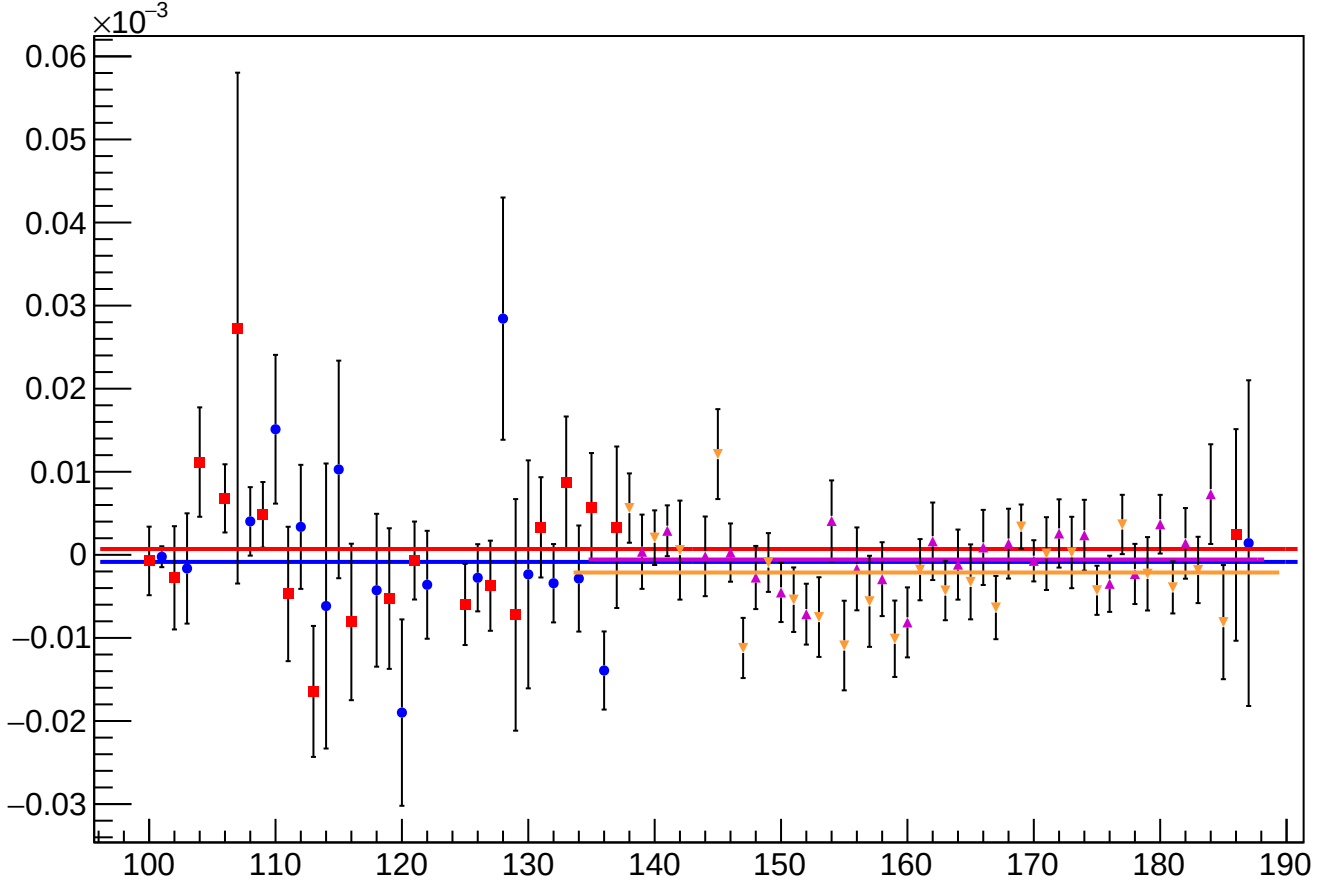
Right Out: 82.888+/-0.022 χ^2/NDF: 1230130.0/18

Left In: 85.679+/-0.015 χ^2/NDF:995870.4/22

+ sign 84.495+/-0.012 χ^2/NDF: 1977367.9/40

All: 84.671+/-0.009 χ^2/NDF: 4214641.0/82

- sign 84.847+/-0.012 χ^2/NDF: 2236859.4/41



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

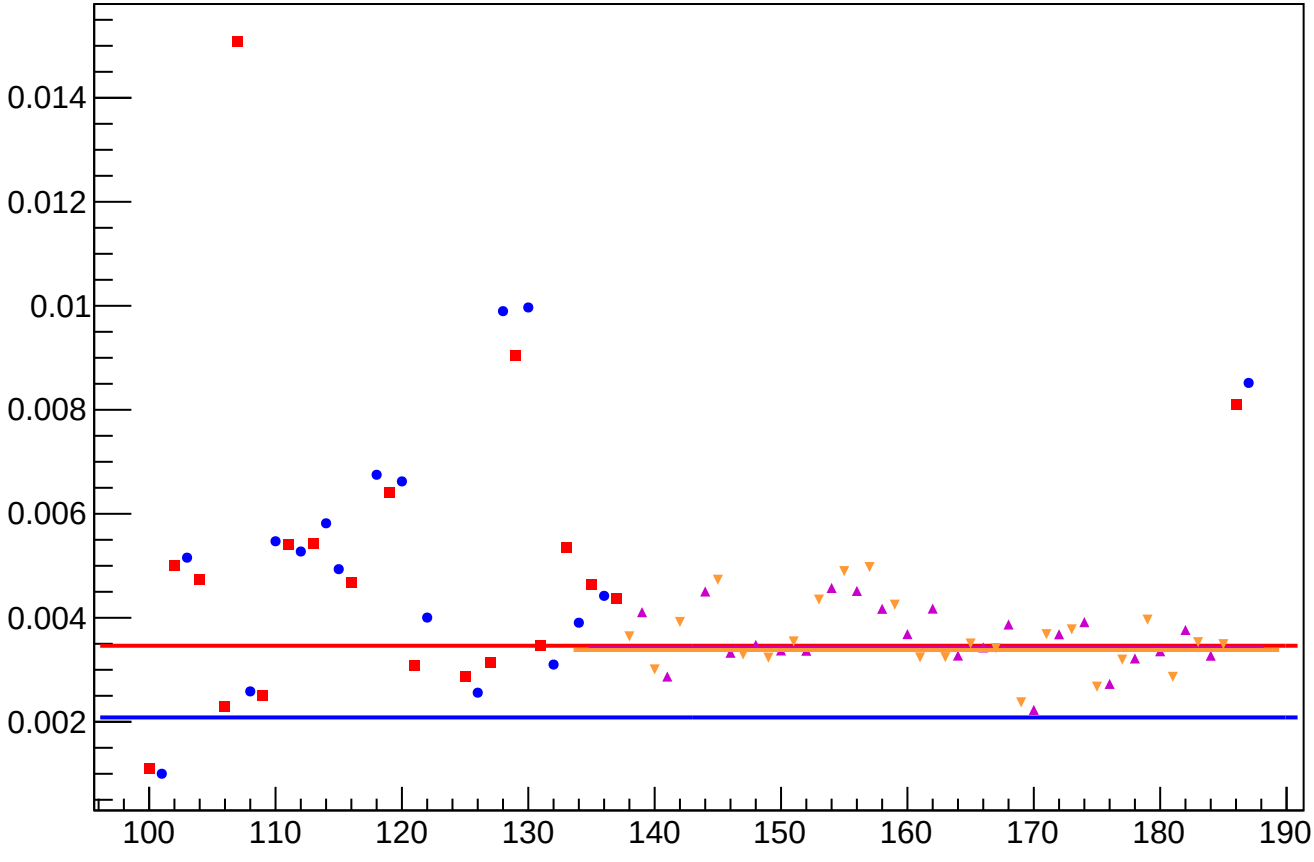
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.7/40

All: -0.000+/-0.000 χ^2/NDF: 97.4/82

- sign -0.000+/-0.000 χ^2/NDF: 35.6/41

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6029307.6/16

Left Out: 0.003+/-0.000 χ^2/NDF:1195636.0/23

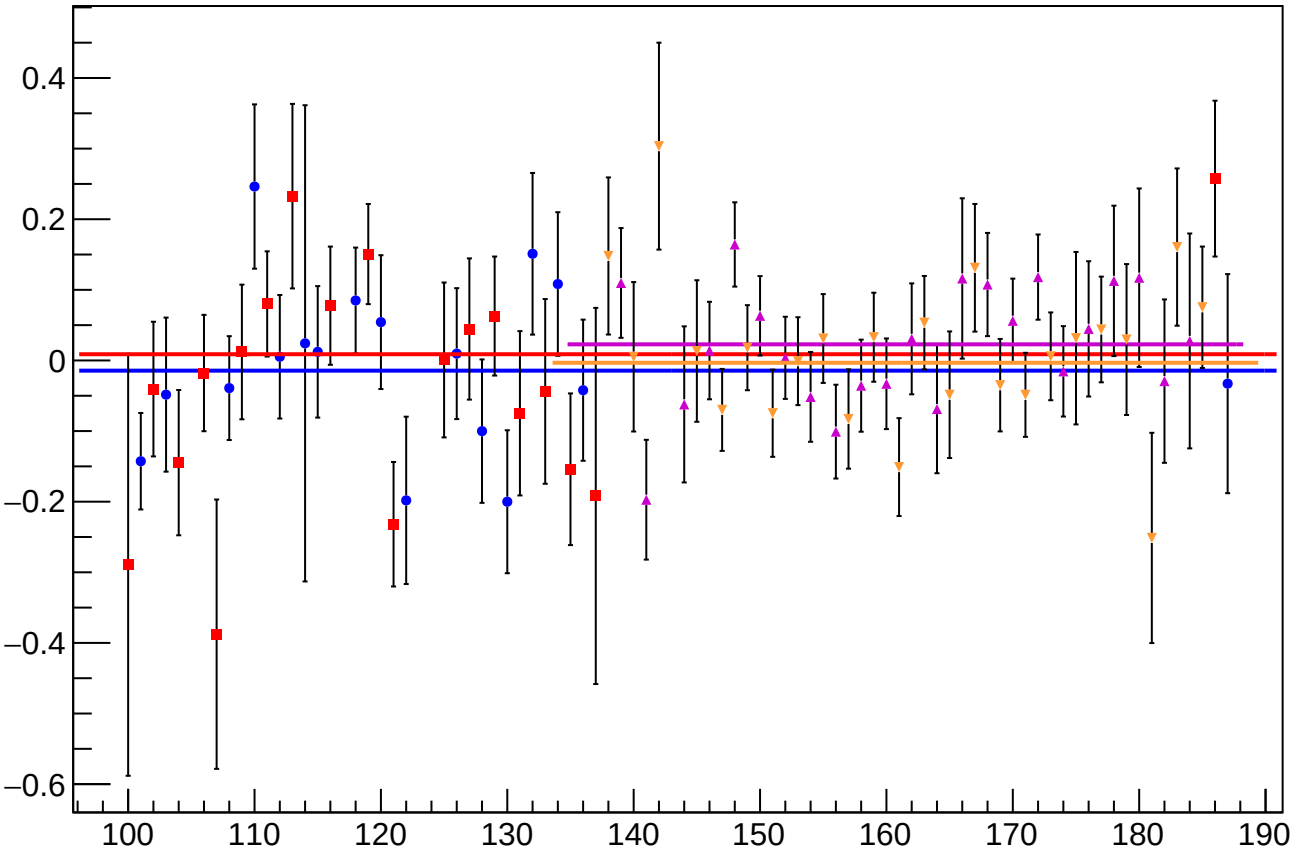
Right Out: 0.003+/-0.000 χ^2/NDF: 2760954.7/18

Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9246463.4/40

All: 0.003+/-0.000 χ^2/NDF: 13863252.5/82

- sign 0.003+/-0.000 χ^2/NDF: 3932938.4/41



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

Left Out: -0.003+/-0.015 χ^2/NDF:25.9/23

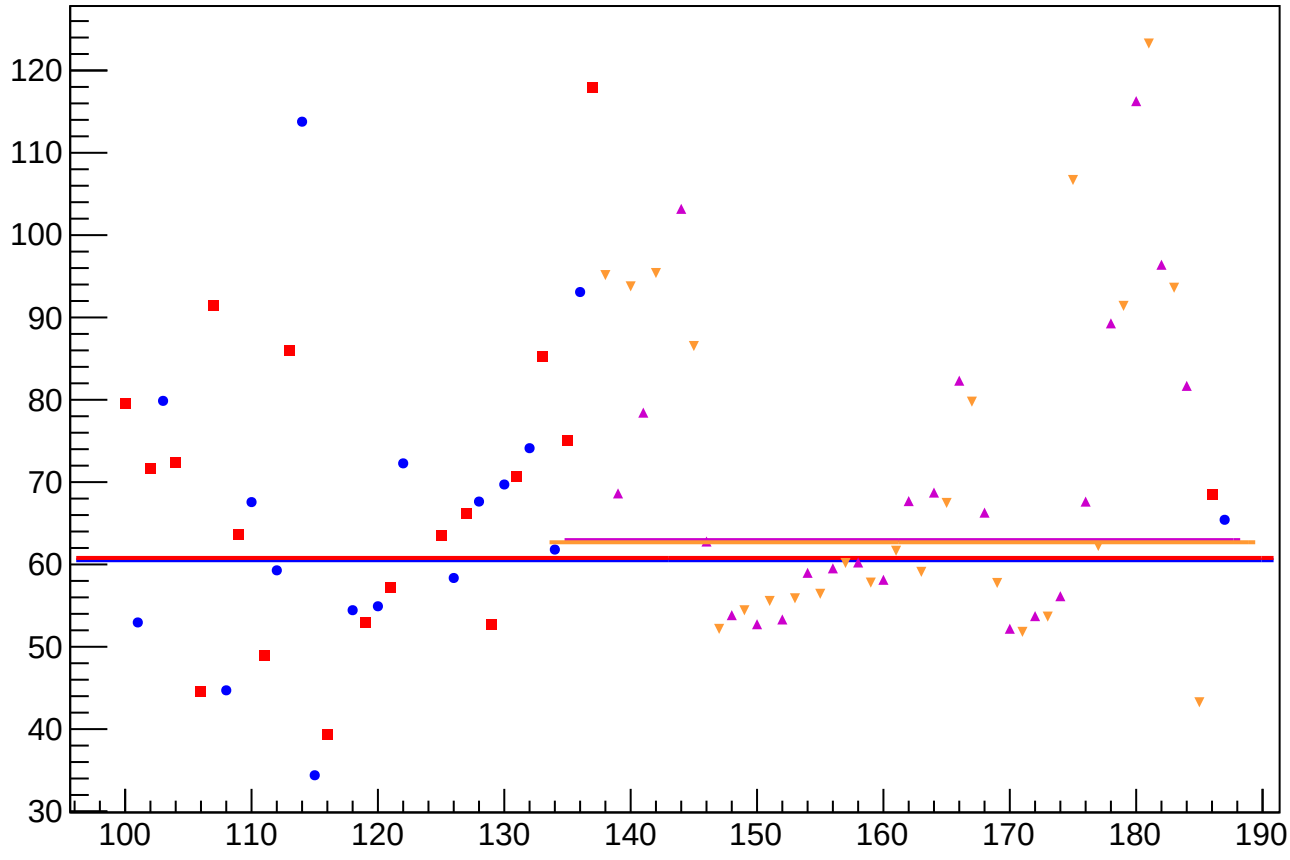
Right Out: 0.009+/-0.023 χ^2/NDF: 33.1/18

Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.007+/-0.013 χ^2/NDF: 47.4/40

All: 0.006+/-0.009 χ^2/NDF: 111.6/82

- sign 0.019+/-0.013 χ^2/NDF: 62.3/41



Right In: 60.514+/-0.017 χ^2/NDF: 705220.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

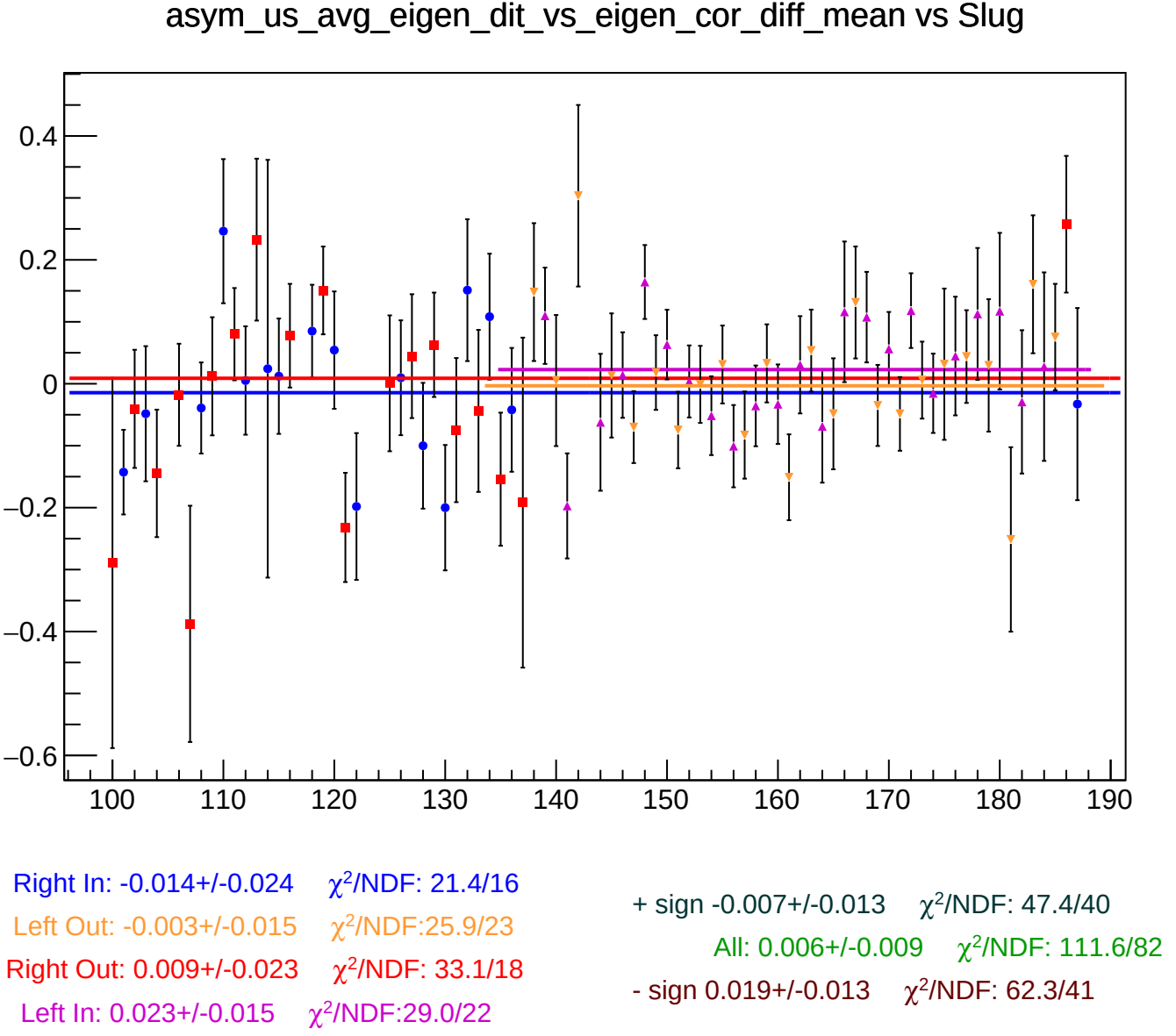
Right Out: 60.792+/-0.016 χ^2/NDF: 721375.6/18

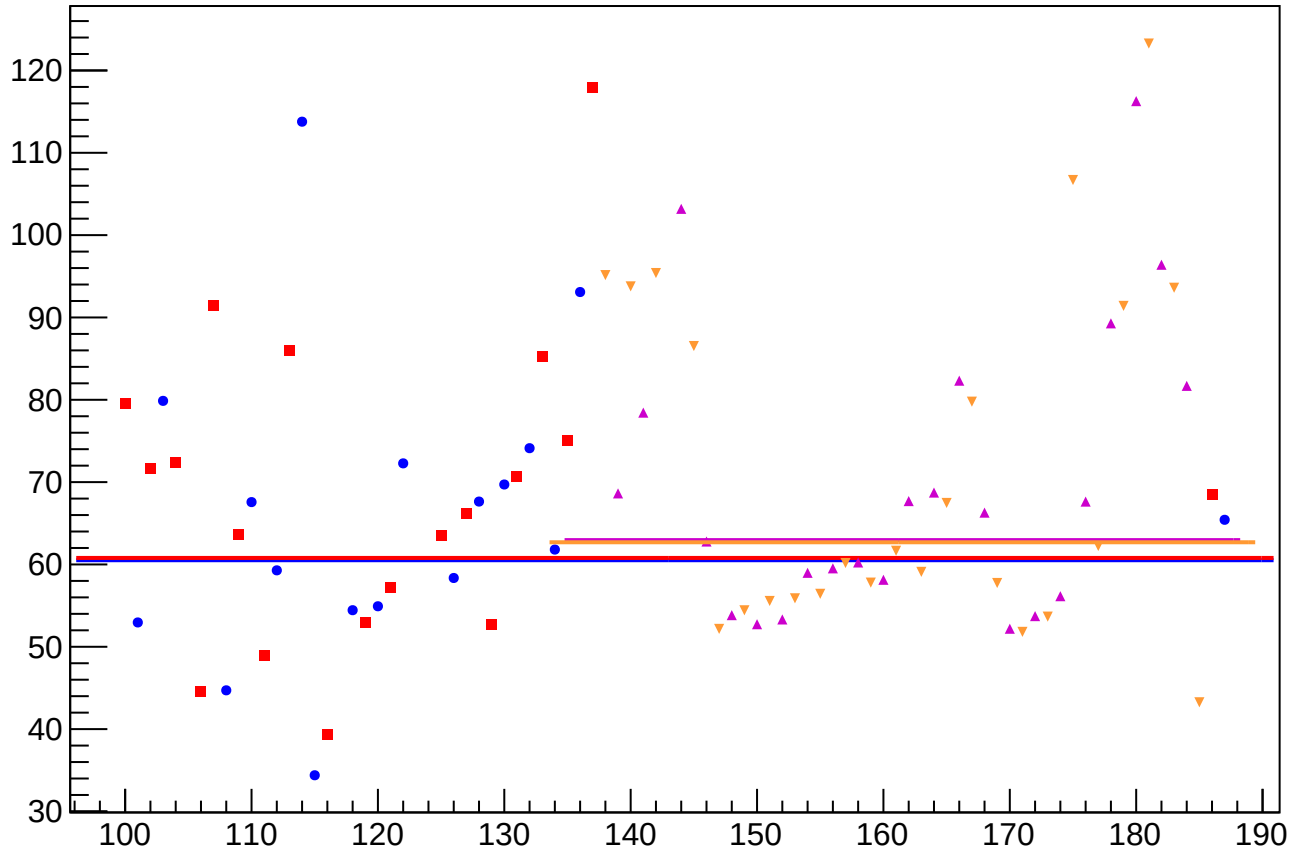
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 62.037+/-0.009 χ^2/NDF: 2656544.1/40

All: 62.164+/-0.006 χ^2/NDF: 4820702.6/82

- sign 62.291+/-0.009 χ^2/NDF: 2163773.4/41


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.024 χ²/NDF: 21.4/16
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: 0.009+/-0.023 χ²/NDF: 33.1/18
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign -0.007+/-0.013 χ²/NDF: 47.4/40
All: 0.006+/-0.009 χ²/NDF: 111.6/82
- sign 0.019+/-0.013 χ²/NDF: 62.3/41



Right In: 60.514+/-0.017 χ^2/NDF: 705220.7/16

Left Out: 62.694+/-0.011 χ^2/NDF:1939383.4/23

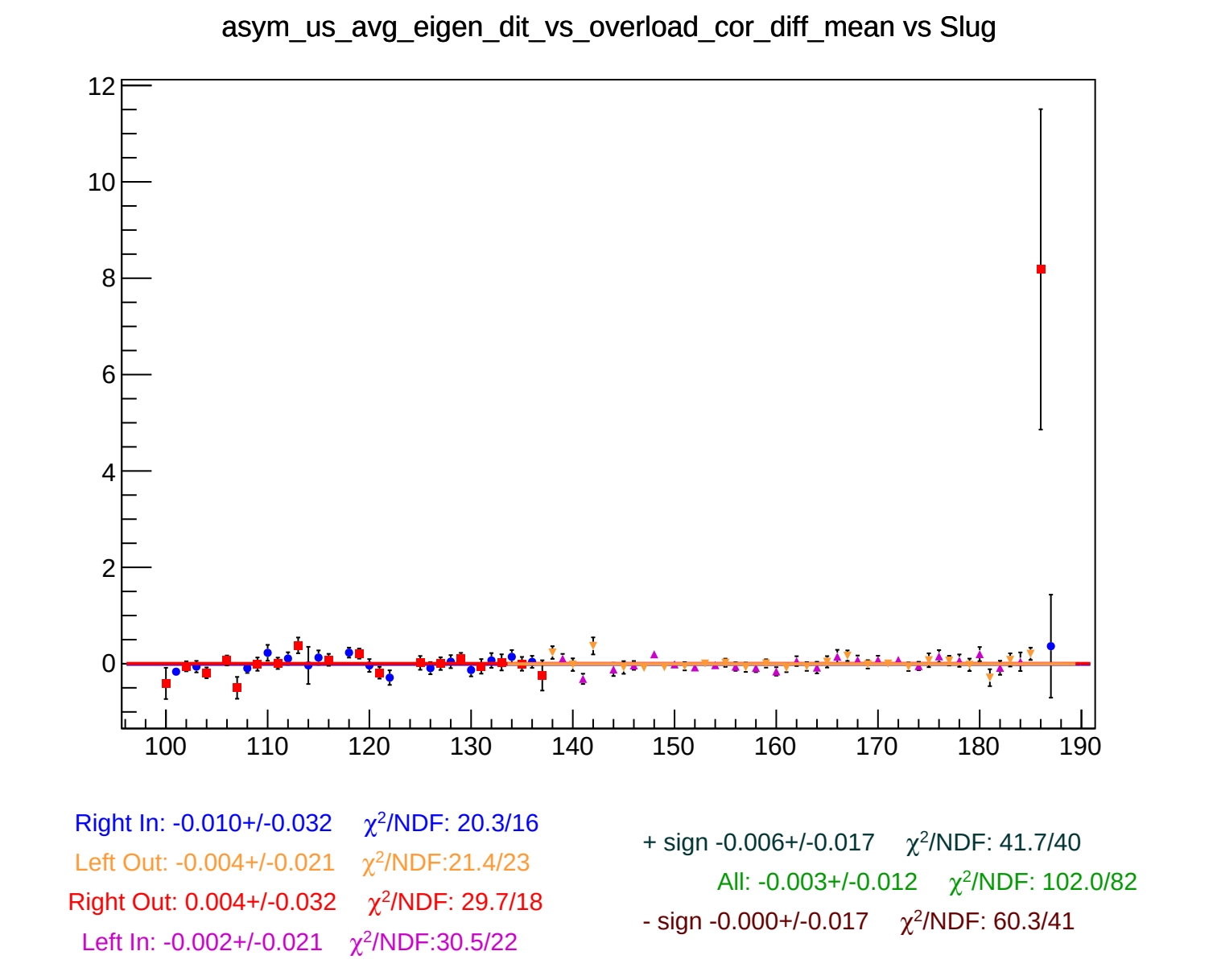
Right Out: 60.792+/-0.016 χ^2/NDF: 721375.6/18

Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

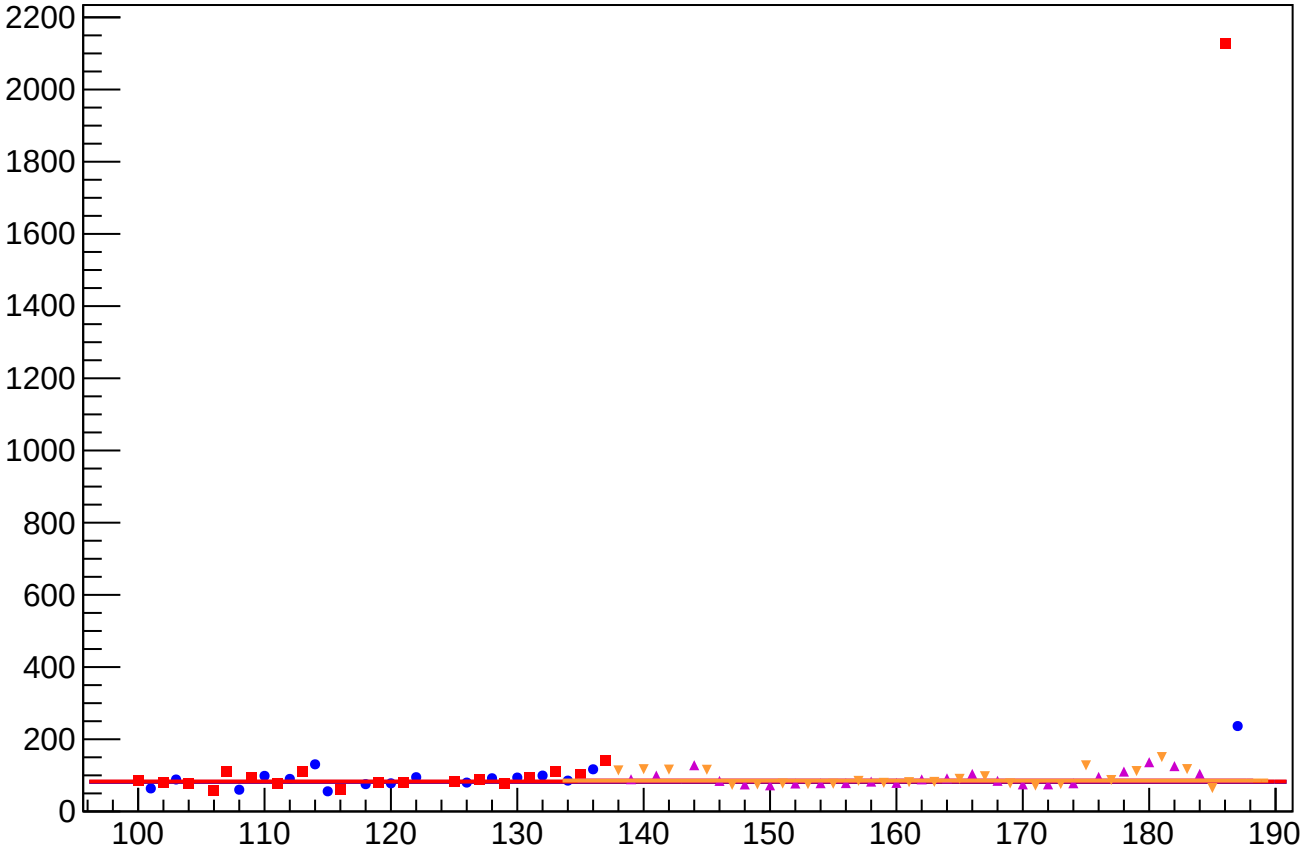
+ sign 62.037+/-0.009 χ^2/NDF: 2656544.1/40

All: 62.164+/-0.006 χ^2/NDF: 4820702.6/82

- sign 62.291+/-0.009 χ^2/NDF: 2163773.4/41


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: -0.010+/-0.032 χ²/NDF: 20.3/16
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: 0.004+/-0.032 χ²/NDF: 29.7/18
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign -0.006+/-0.017 χ²/NDF: 41.7/40
All: -0.003+/-0.012 χ²/NDF: 102.0/82
- sign -0.000+/-0.017 χ²/NDF: 60.3/41

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 81.798+/-0.022 χ^2/NDF: 603800.0/16

Left Out: 85.651+/-0.015 χ^2/NDF:1352738.9/23

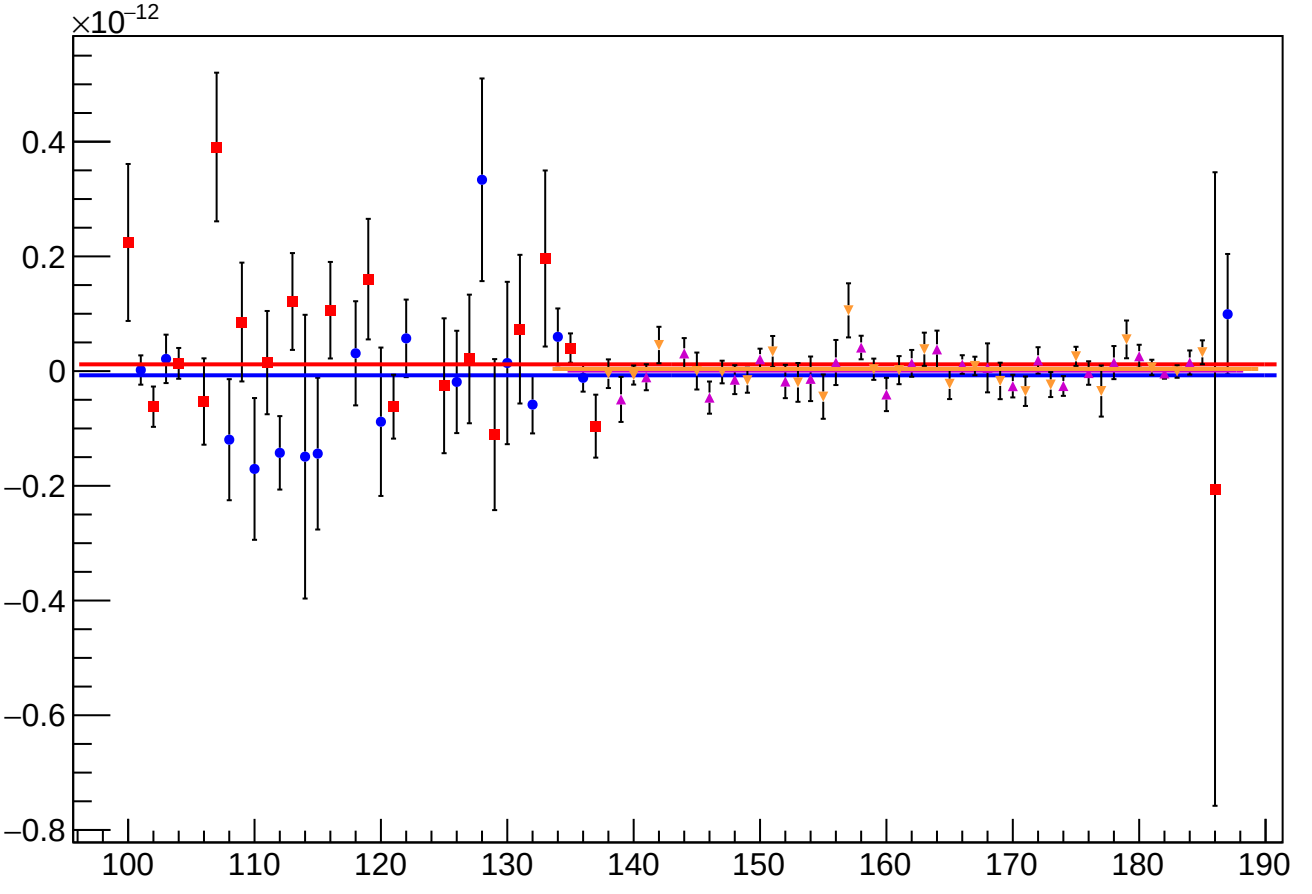
Right Out: 82.887+/-0.022 χ^2/NDF: 1230127.6/18

Left In: 85.679+/-0.015 χ^2/NDF:995860.8/22

+ sign 84.495+/-0.012 χ^2/NDF: 1977358.9/40

All: 84.671+/-0.009 χ^2/NDF: 4214630.2/82

- sign 84.847+/-0.012 χ^2/NDF: 2236857.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/23

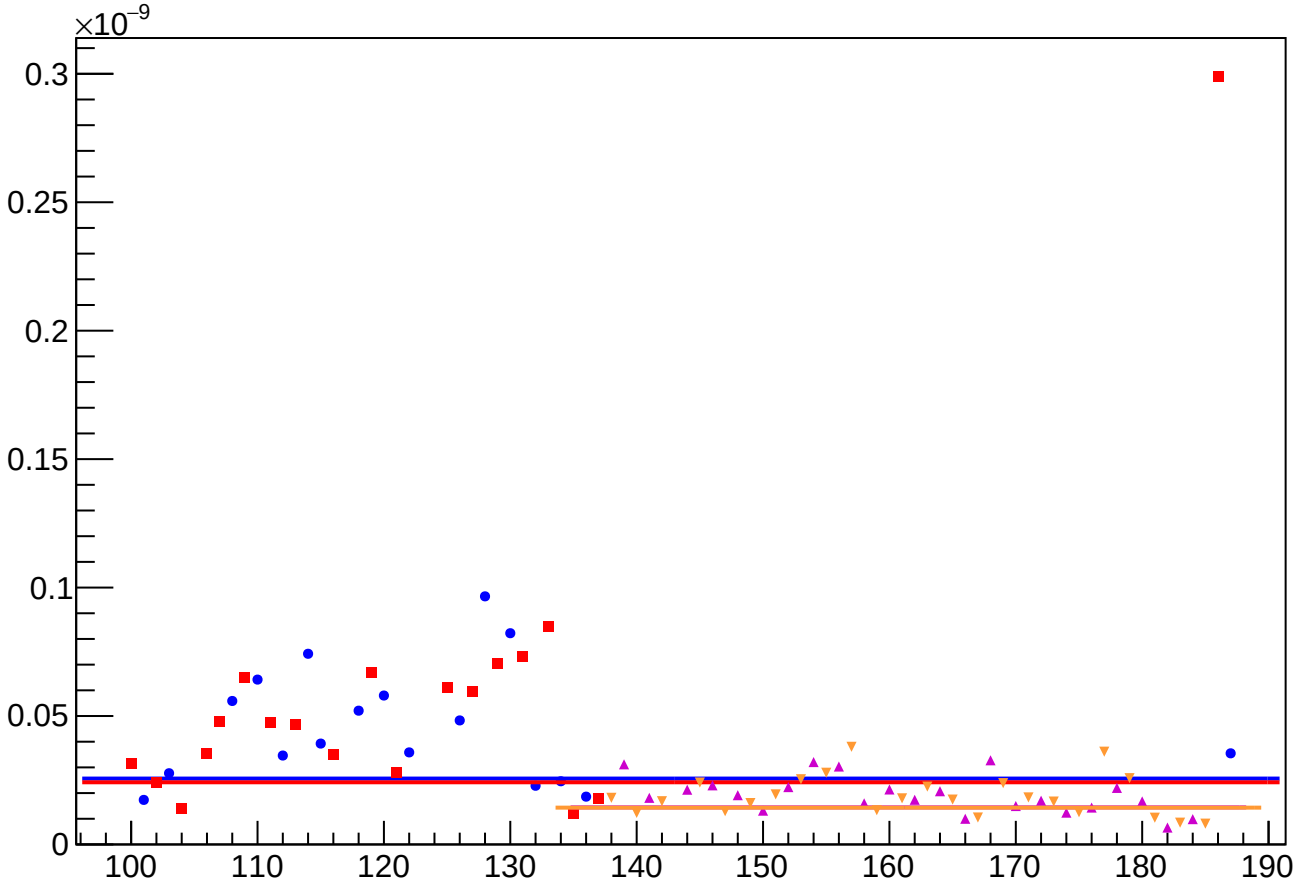
Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/18

Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.1/40

All: 0.000+/-0.000 χ^2/NDF: 99.6/82

- sign 0.000+/-0.000 χ^2/NDF: 55.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 2017649.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:3611096.1/23

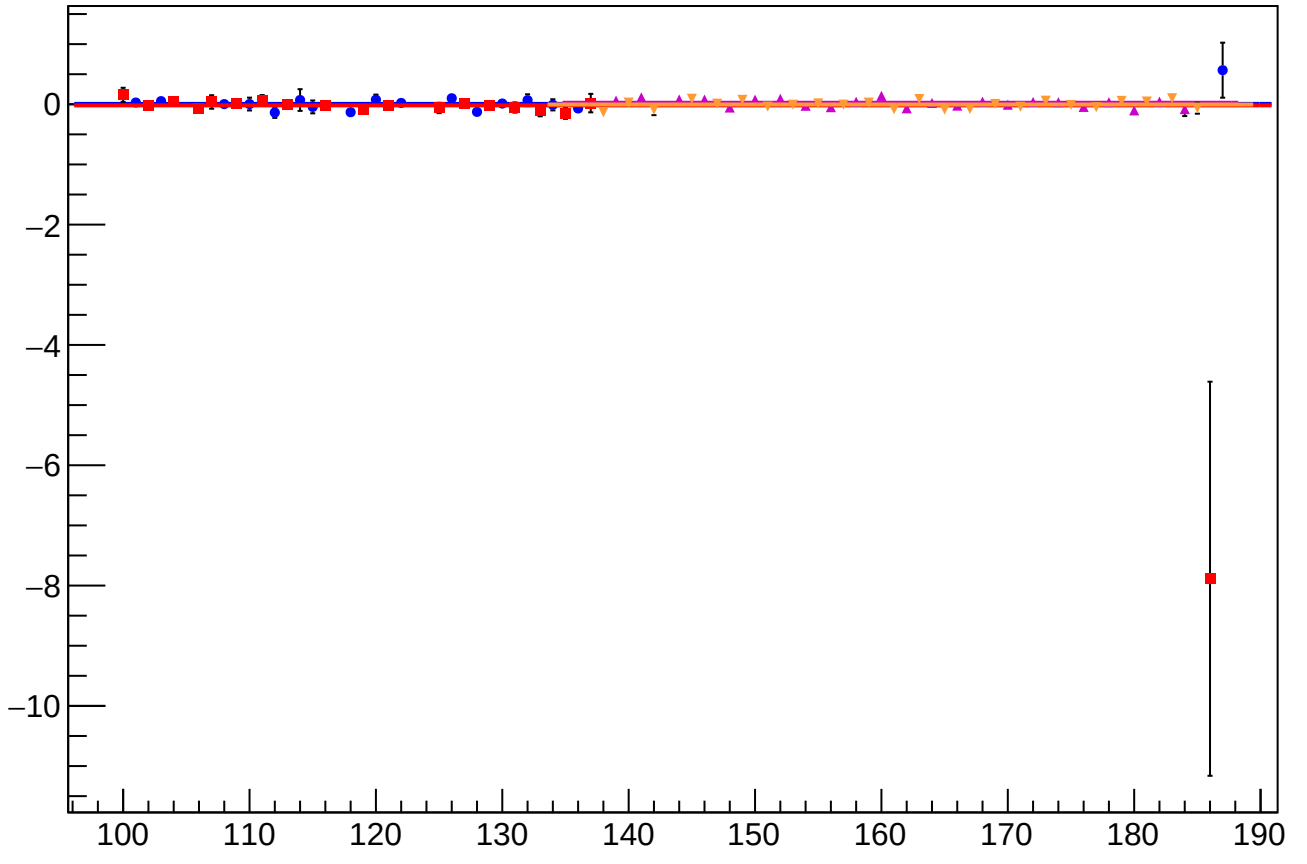
Right Out: 0.000+/-0.000 χ^2/NDF: 3579701.4/18

Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6963694.6/40

All: 0.000+/-0.000 χ^2/NDF: 15760411.4/82

- sign 0.000+/-0.000 χ^2/NDF: 8796405.9/41



Right In: 0.007+/-0.017 χ^2/NDF: 17.1/16

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

Right Out: -0.018+/-0.016 χ^2/NDF: 18.1/18

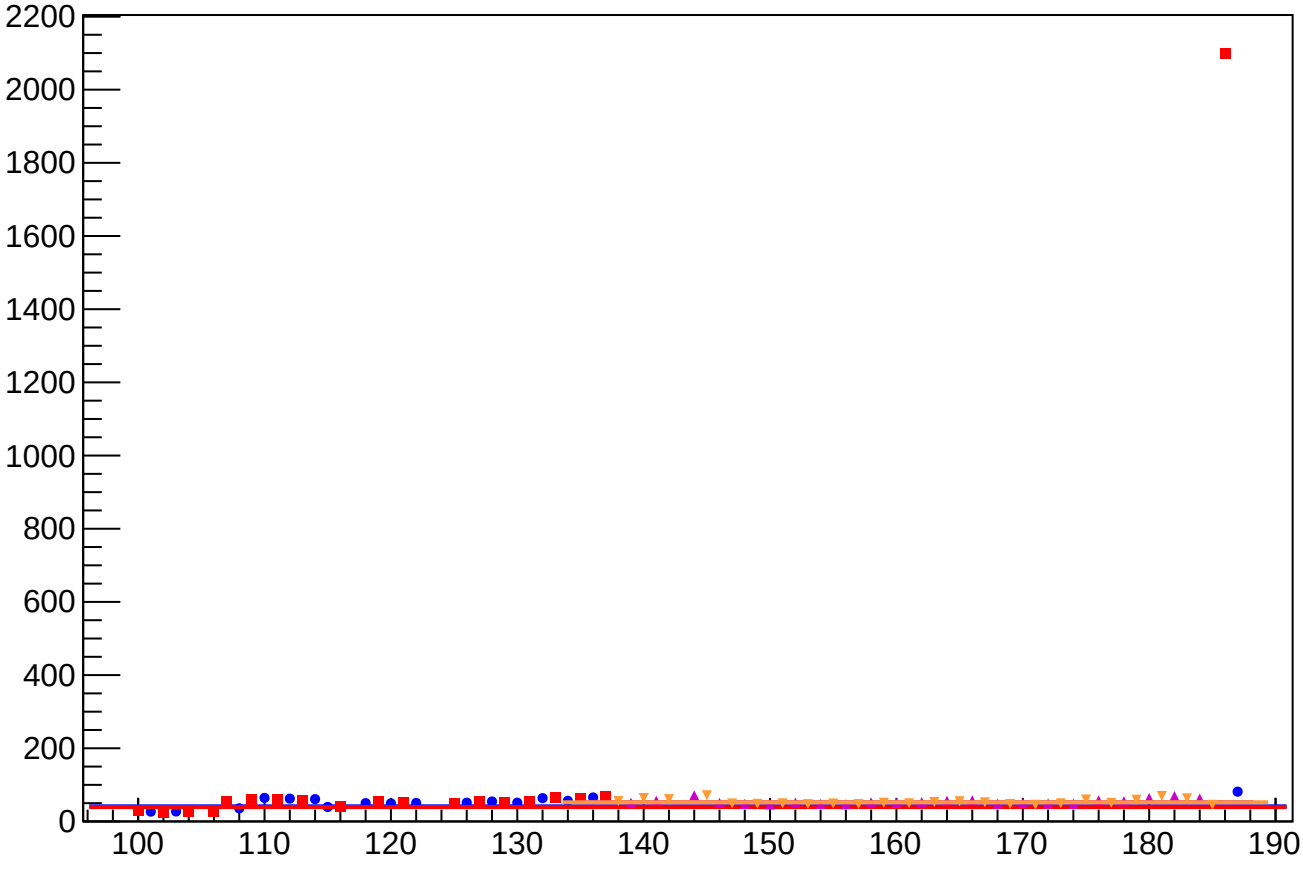
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign 0.000+/-0.010 χ^2/NDF: 40.4/40

All: 0.005+/-0.007 χ^2/NDF: 87.8/82

- sign 0.009+/-0.010 χ^2/NDF: 47.1/41

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 41.329+/-0.012 χ^2/NDF: 1520626.1/16

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

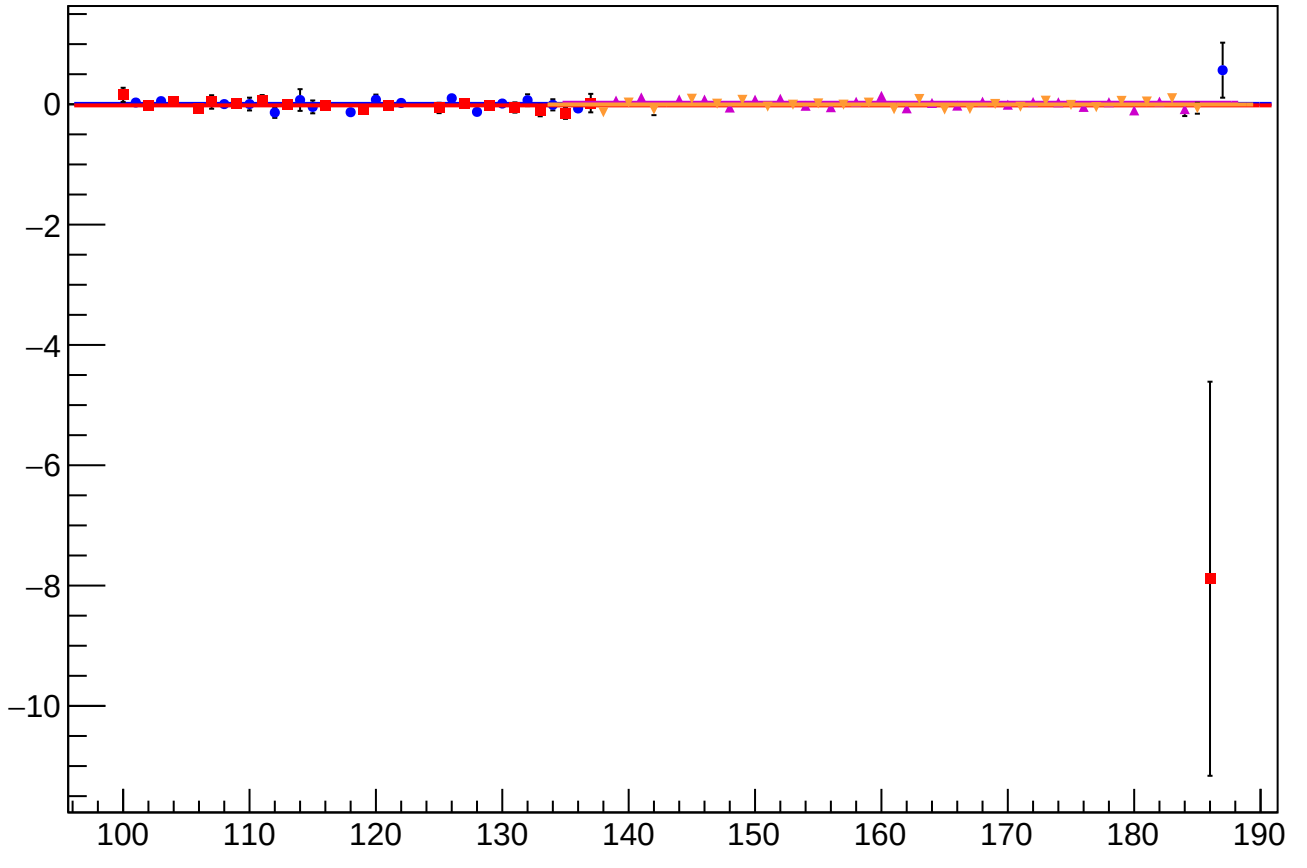
Right Out: 39.260+/-0.011 χ^2/NDF: 2610023.5/18

Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 48.378+/-0.007 χ^2/NDF: 2613236.5/40

All: 47.863+/-0.005 χ^2/NDF: 6544812.5/82

- sign 47.361+/-0.007 χ^2/NDF: 3920923.8/41



Right In: 0.007+/-0.017 χ^2/NDF: 17.1/16

Left Out: -0.003+/-0.012 χ^2/NDF:23.1/23

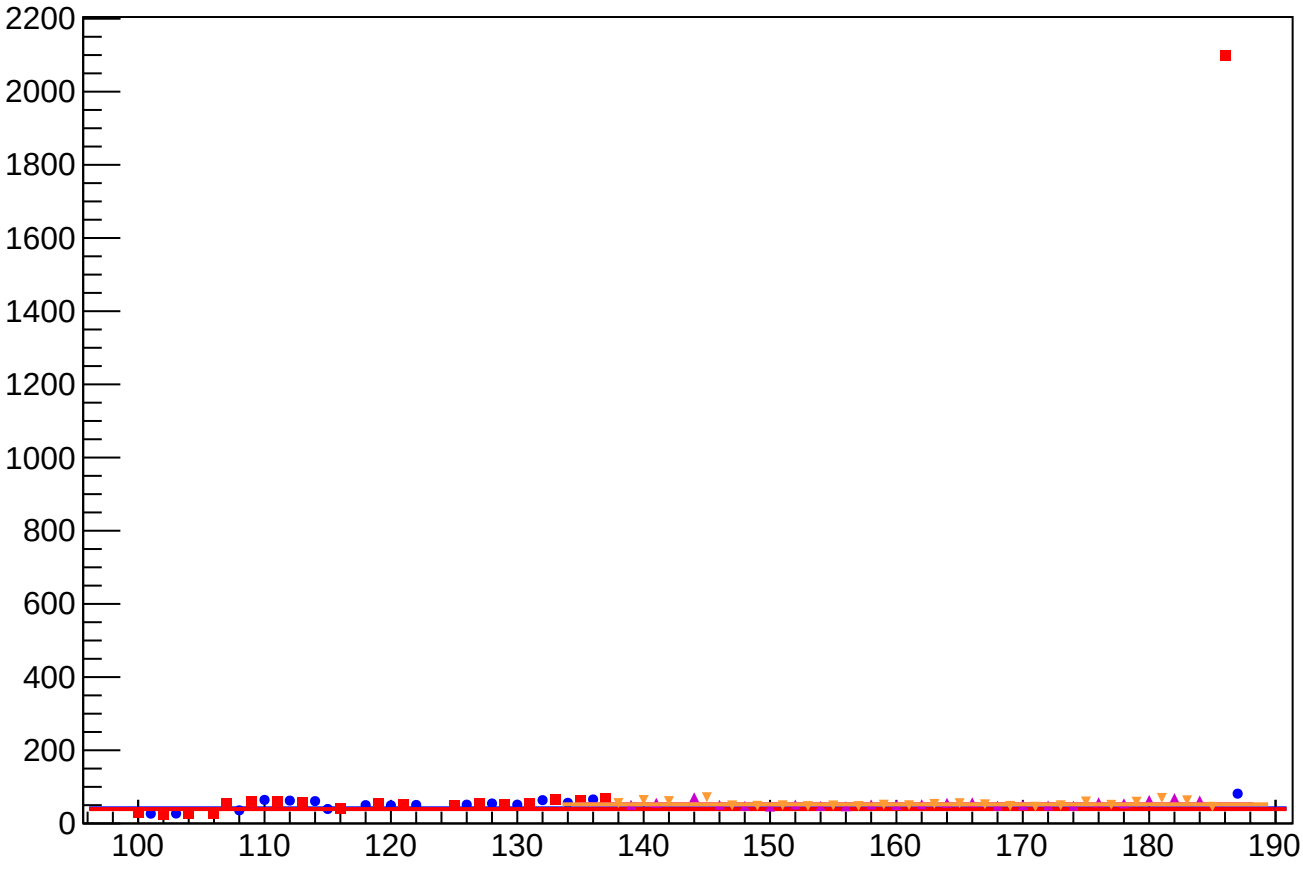
Right Out: -0.018+/-0.016 χ^2/NDF: 18.1/18

Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign 0.000+/-0.010 χ^2/NDF: 40.4/40

All: 0.005+/-0.007 χ^2/NDF: 87.8/82

- sign 0.009+/-0.010 χ^2/NDF: 47.1/41



Right In: 41.329+/-0.012 χ^2/NDF: 1520626.1/16

Left Out: 52.367+/-0.009 χ^2/NDF:522031.5/23

Right Out: 39.260+/-0.011 χ^2/NDF: 2610023.5/18

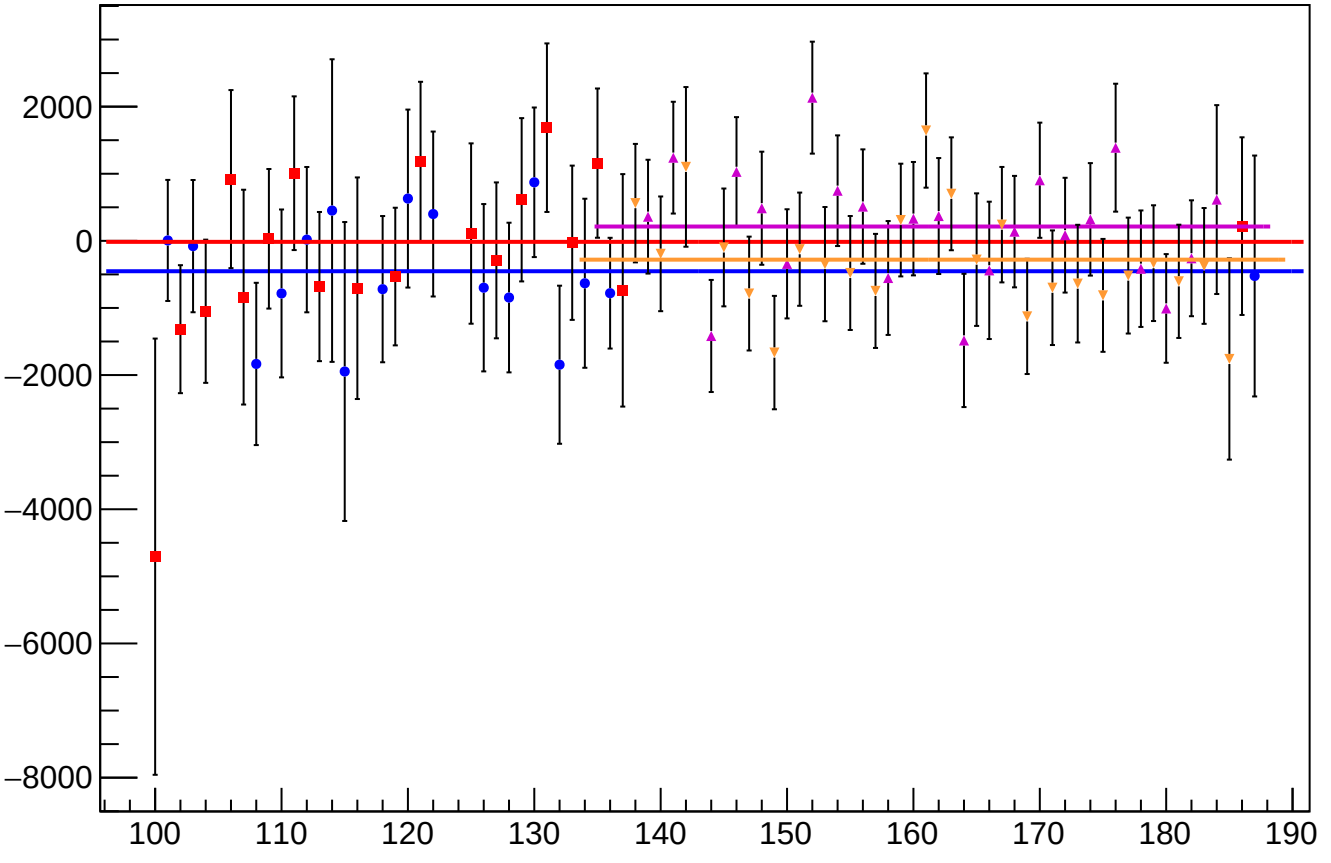
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 48.378+/-0.007 χ^2/NDF: 2613236.5/40

All: 47.863+/-0.005 χ^2/NDF: 6544812.5/82

- sign 47.361+/-0.007 χ^2/NDF: 3920923.8/41

reg_asym_us_dd_mean vs Slug



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: -15.004+/-281.491 χ^2/NDF: 11.7/18

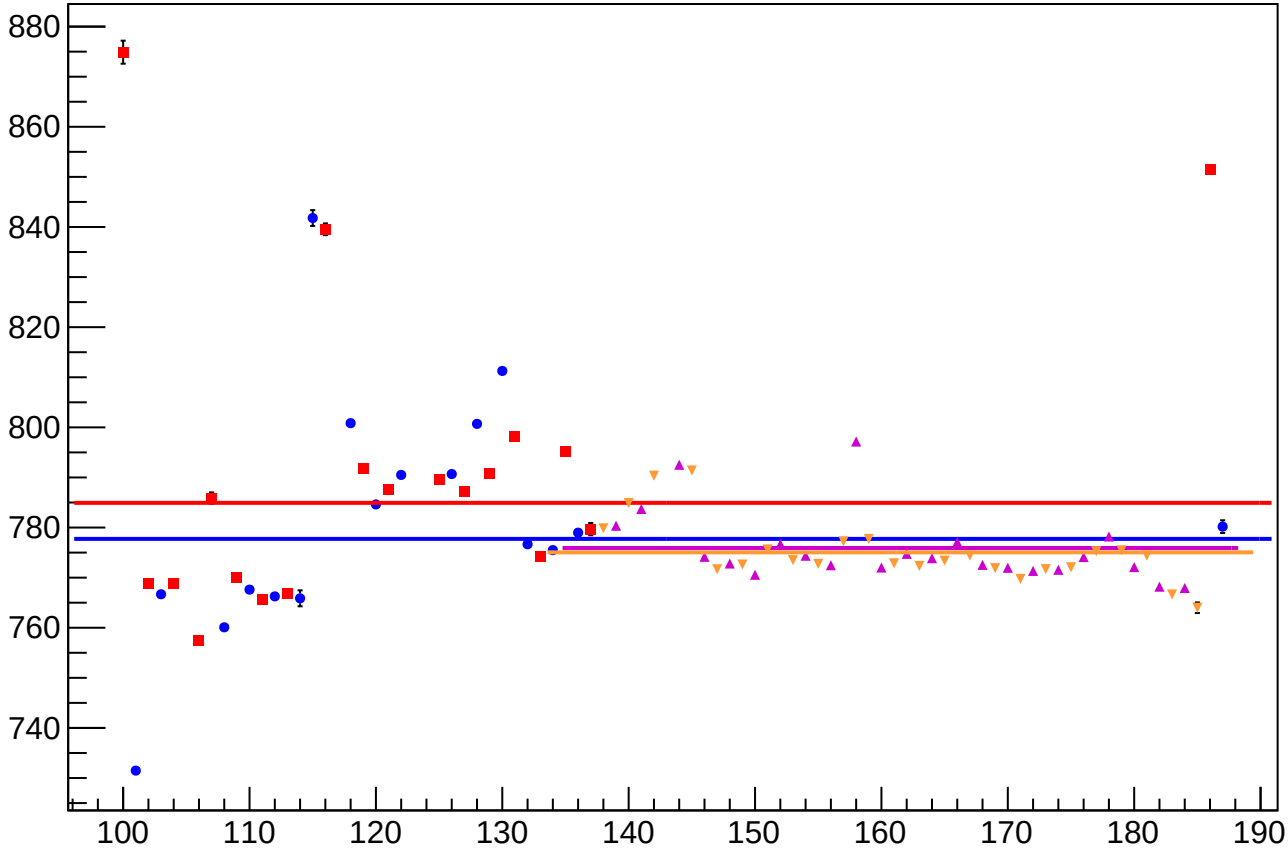
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -329.417+/-152.158 χ^2/NDF: 23.3/40

All: -91.738+/-107.657 χ^2/NDF: 62.7/82

- sign 146.518+/-152.343 χ^2/NDF: 34.5/41

reg_asym_us_dd_rms vs Slug



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

Right Out: 784.932+/-0.199 χ^2/NDF: 12931.7/18

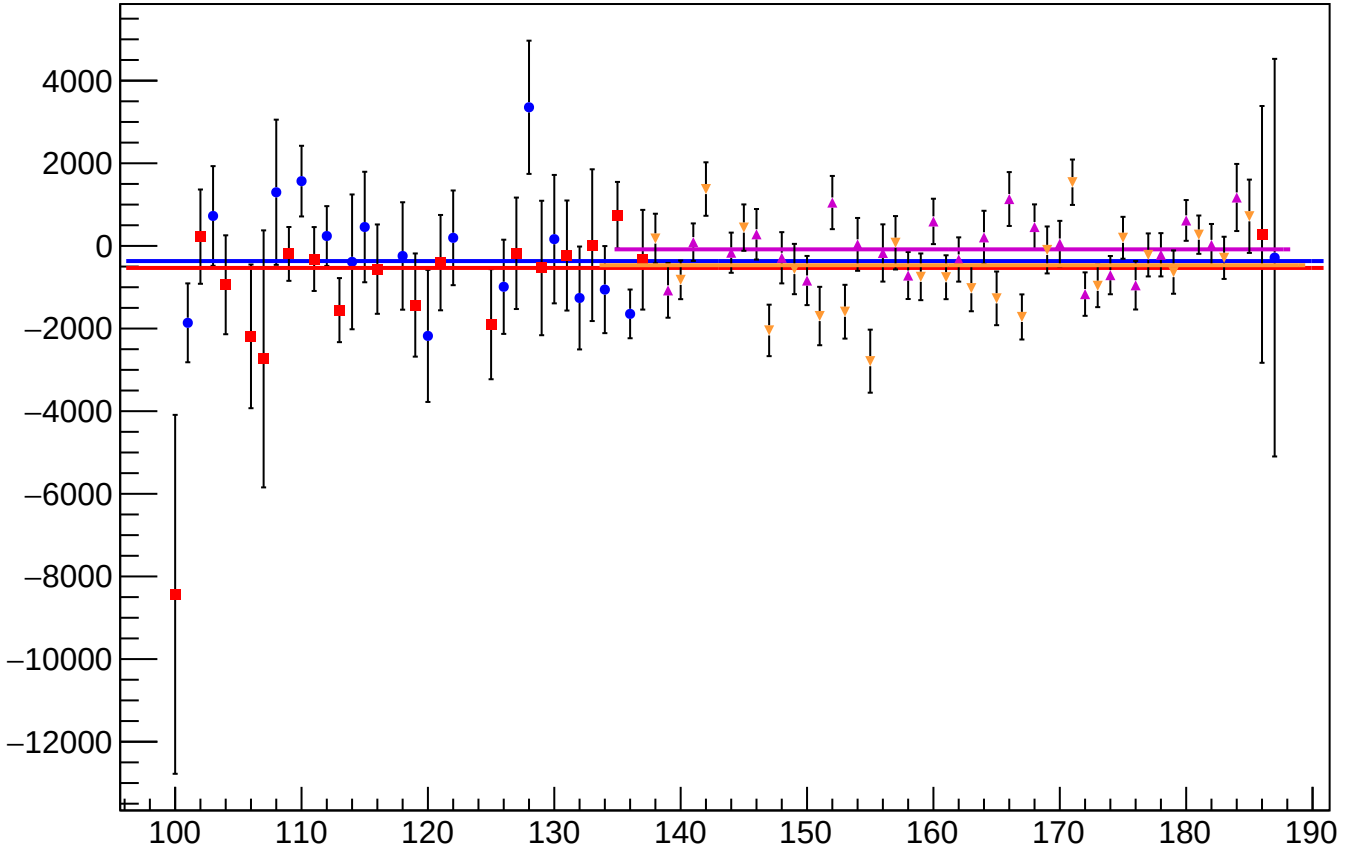
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.814+/-0.108 χ^2/NDF: 14137.6/40

All: 777.186+/-0.076 χ^2/NDF: 31816.5/82

- sign 778.561+/-0.108 χ^2/NDF: 17353.5/41

asym_us_dd_reg_correction_mean vs Slug



Right In: -366.756+/-266.290 χ^2/NDF: 23.3/16

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

Right Out: -533.078+/-261.971 χ^2/NDF: 11.7/18

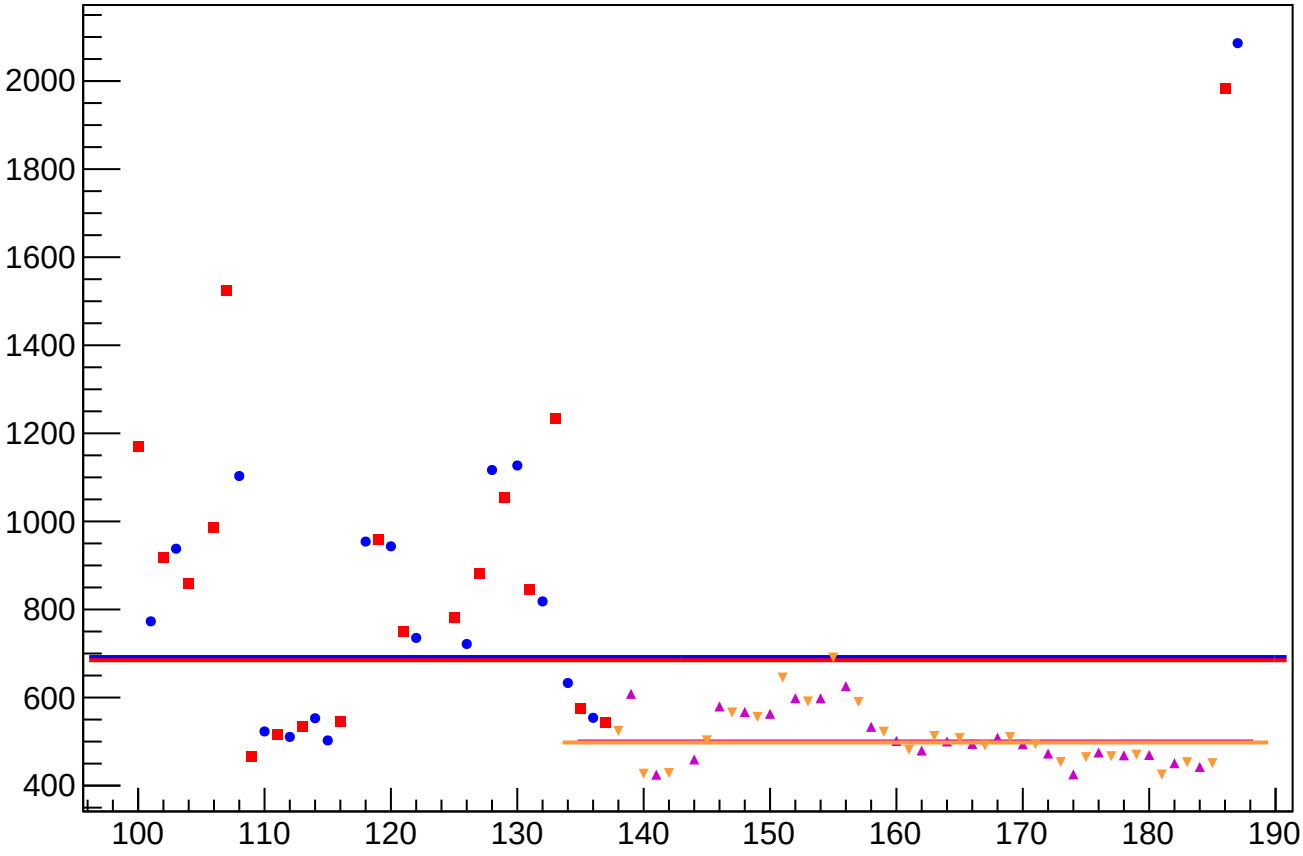
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -450.973+/-106.896 χ^2/NDF: 87.9/40

All: -305.651+/-75.780 χ^2/NDF: 133.9/82

\- sign -158.836+/-107.444 χ^2/NDF: 42.3/41

asym_us_dd_reg_correction_rms vs Slug



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

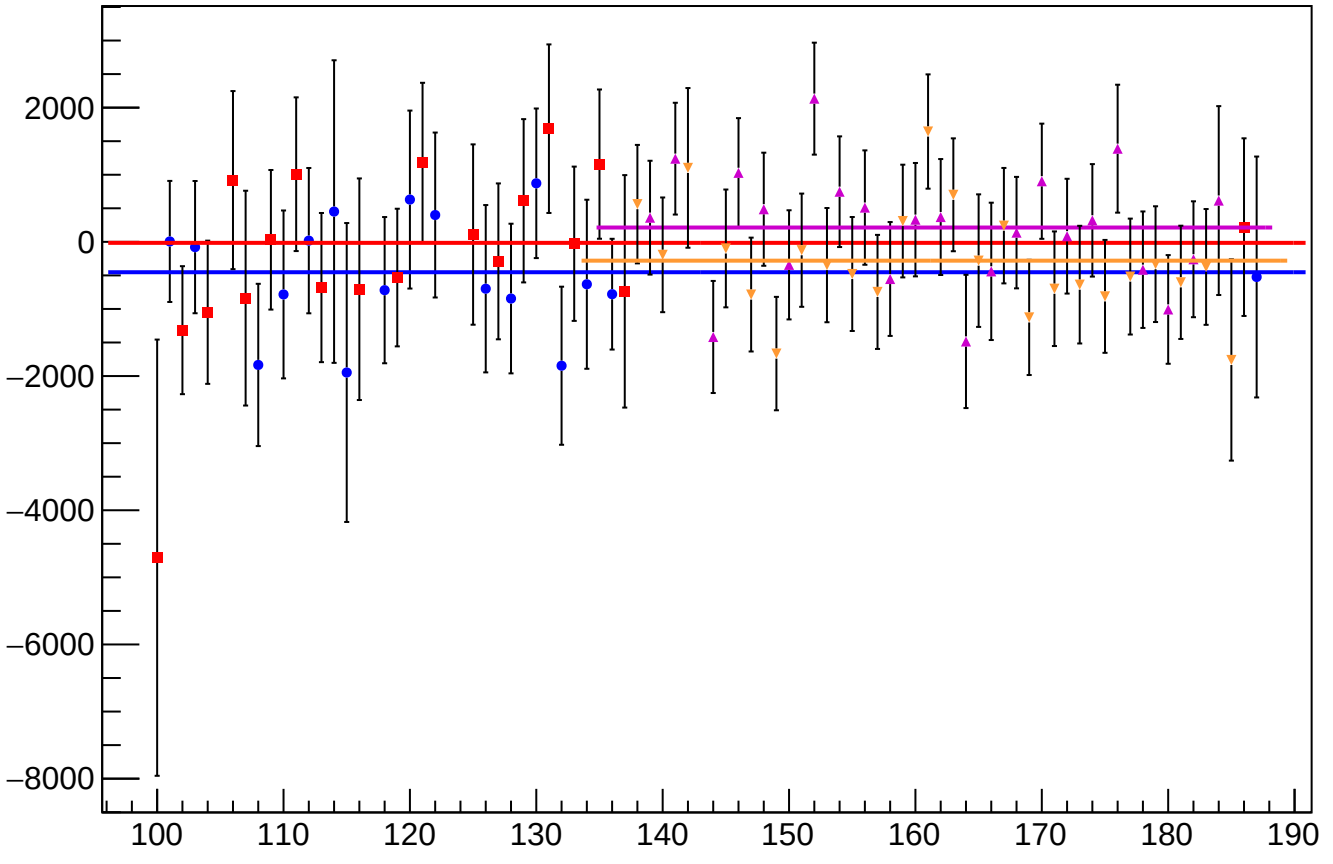
Right Out: 684.696+/-0.185 χ^2/NDF: 1664167.5/18

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 529.233+/-0.076 χ^2/NDF: 2618048.0/40

All: 530.273+/-0.054 χ^2/NDF: 5584136.2/82

- sign 531.323+/-0.076 χ^2/NDF: 2965707.9/41



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: -15.004+/-281.491 χ^2/NDF: 11.7/18

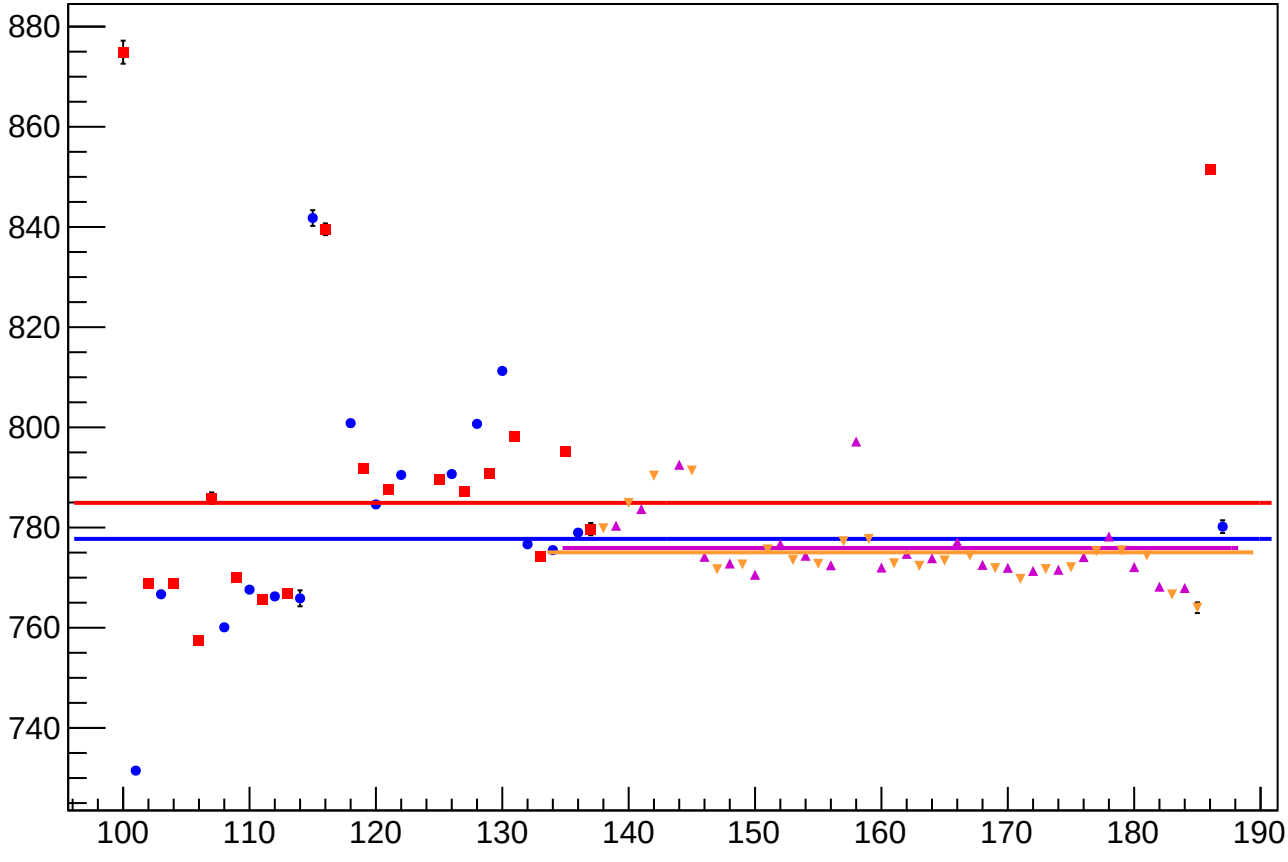
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -329.417+/-152.158 χ^2/NDF: 23.3/40

All: -91.738+/-107.657 χ^2/NDF: 62.7/82

- sign 146.518+/-152.343 χ^2/NDF: 34.5/41

cor_asym_us_dd_rms vs Slug



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

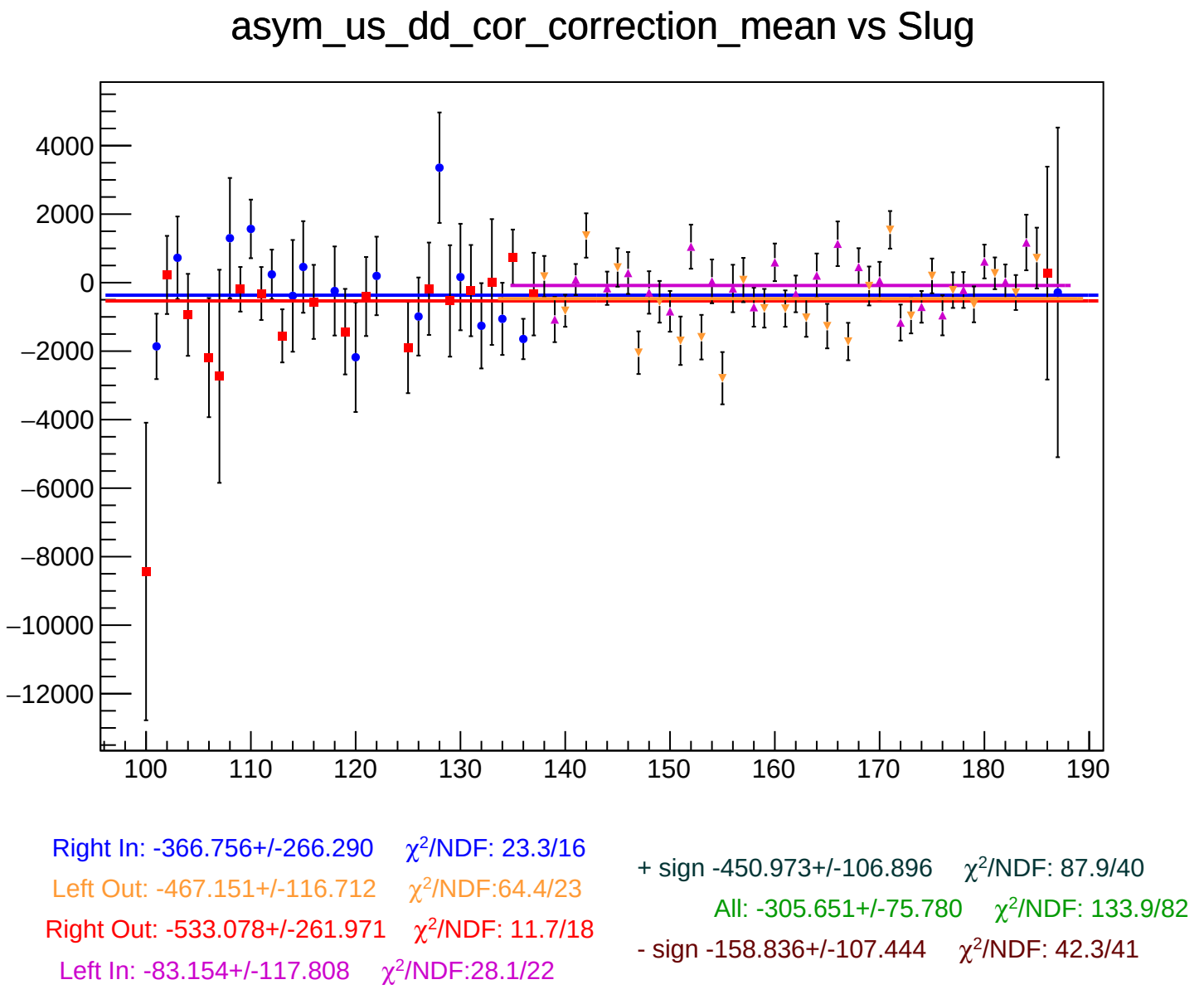
Right Out: 784.932+/-0.199 χ^2/NDF: 12931.7/18

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

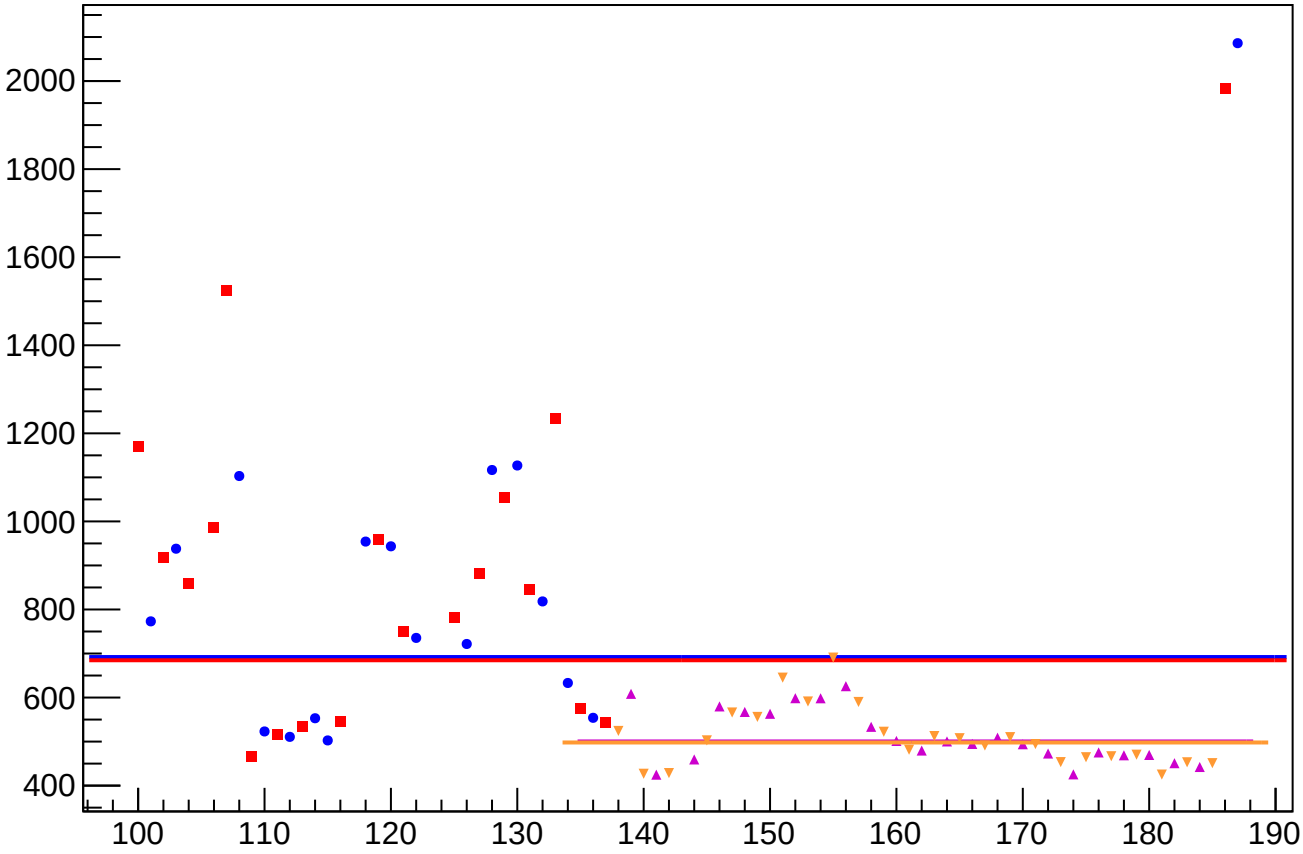
+ sign 775.814+/-0.108 χ^2/NDF: 14137.6/40

All: 777.186+/-0.076 χ^2/NDF: 31816.5/82

- sign 778.561+/-0.108 χ^2/NDF: 17353.5/41


asym_us_dd_cor_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -366.756+/-266.290 χ²/NDF: 23.3/16
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: -533.078+/-261.971 χ²/NDF: 11.7/18
Left In: -83.154+/-117.808 χ²/NDF:28.1/22
+ sign -450.973+/-106.896 χ²/NDF: 87.9/40
All: -305.651+/-75.780 χ²/NDF: 133.9/82
- sign -158.836+/-107.444 χ²/NDF: 42.3/41

asym_us_dd_cor_correction_rms vs Slug



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

Right Out: 684.696+/-0.185 χ^2/NDF: 1664167.5/18

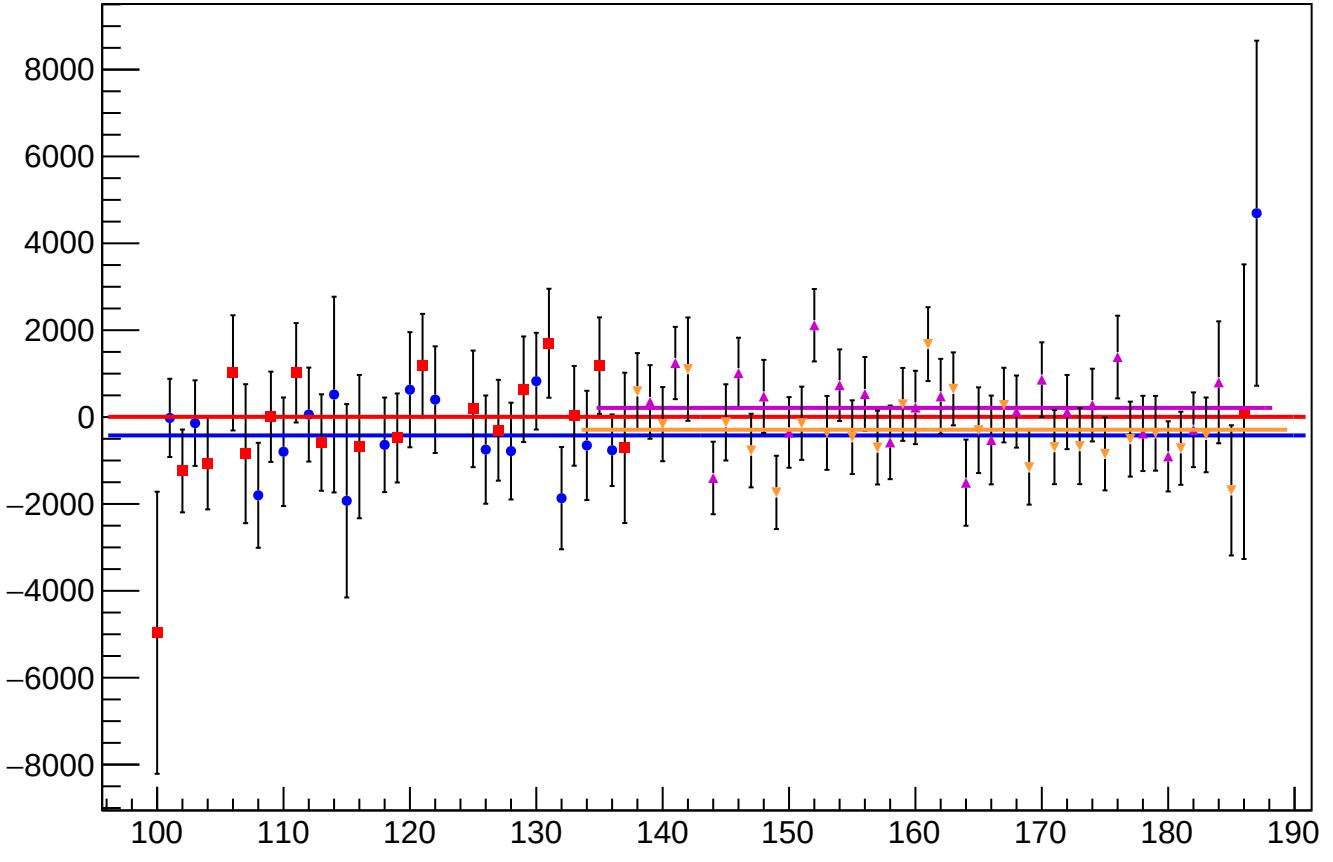
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 529.233+/-0.076 χ^2/NDF: 2618048.0/40

All: 530.273+/-0.054 χ^2/NDF: 5584136.2/82

- sign 531.323+/-0.076 χ^2/NDF: 2965707.9/41

overload_cor_asym_us_dd_mean vs Slug



Right In: -422.414+/-287.909 χ^2/NDF: 8.4/16

Left Out: -292.036+/-179.670 χ^2/NDF:16.6/23

Right Out: 5.499+/-286.784 χ^2/NDF: 11.8/18

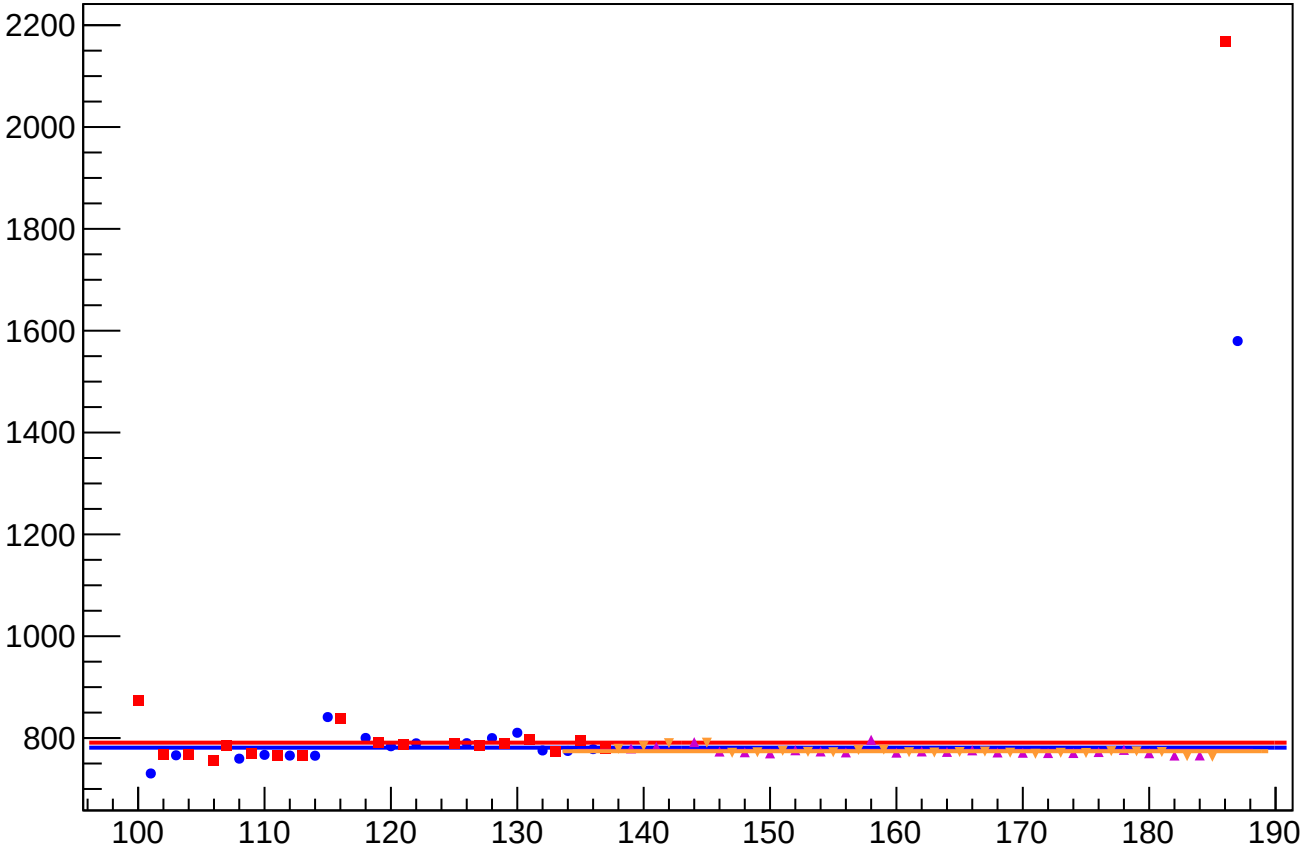
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -328.579+/-152.425 χ^2/NDF: 25.2/40

All: -88.923+/-107.995 χ^2/NDF: 64.5/82

- sign 152.654+/-153.034 χ^2/NDF: 34.3/41

overload_cor_asym_us_dd_rms vs Slug



Right In: 781.130+/-0.204 χ^2/NDF: 93378.8/16

Left Out: 774.142+/-0.127 χ^2/NDF:2060.4/23

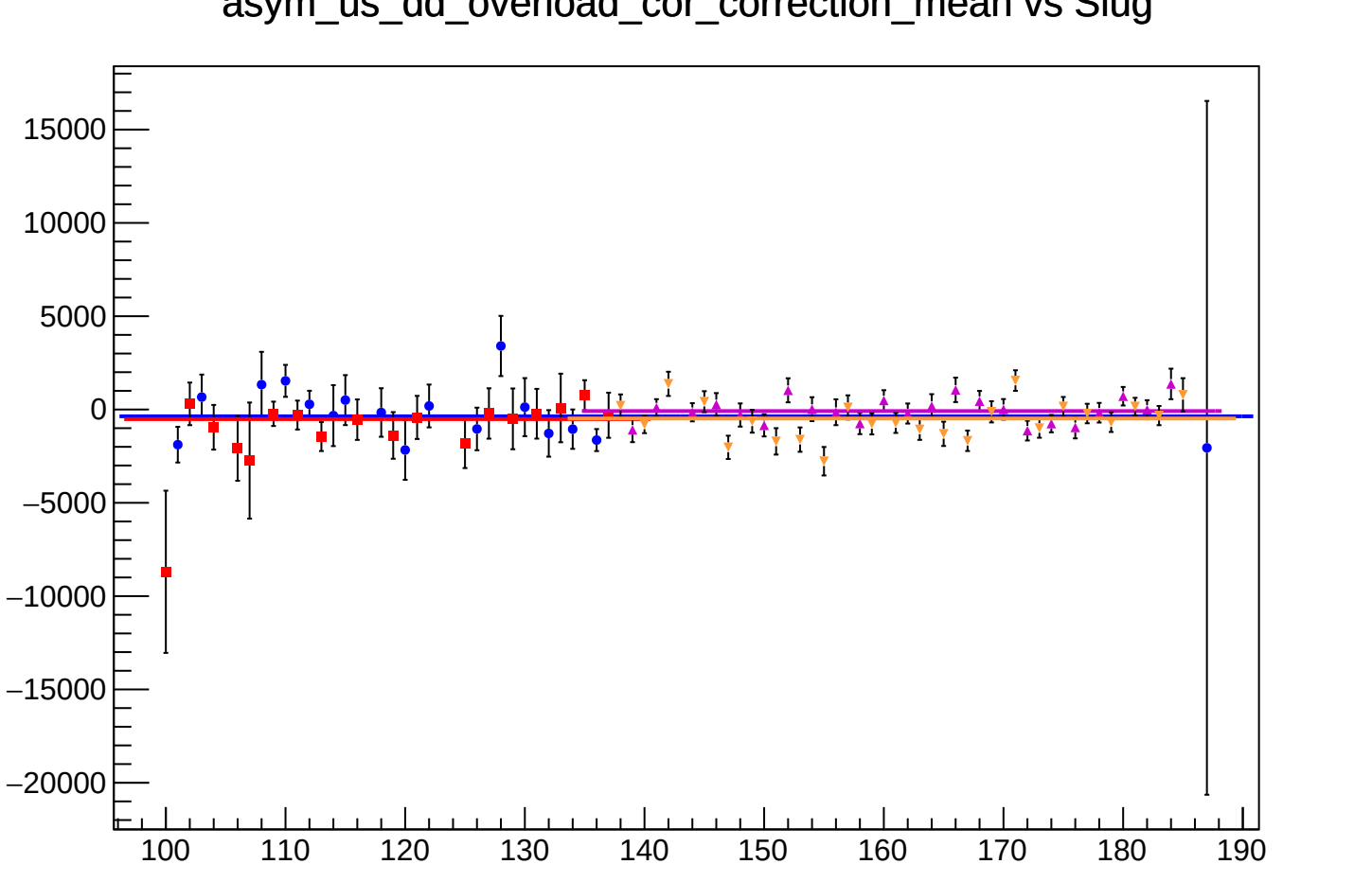
Right Out: 790.973+/-0.203 χ^2/NDF: 339308.6/18

Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

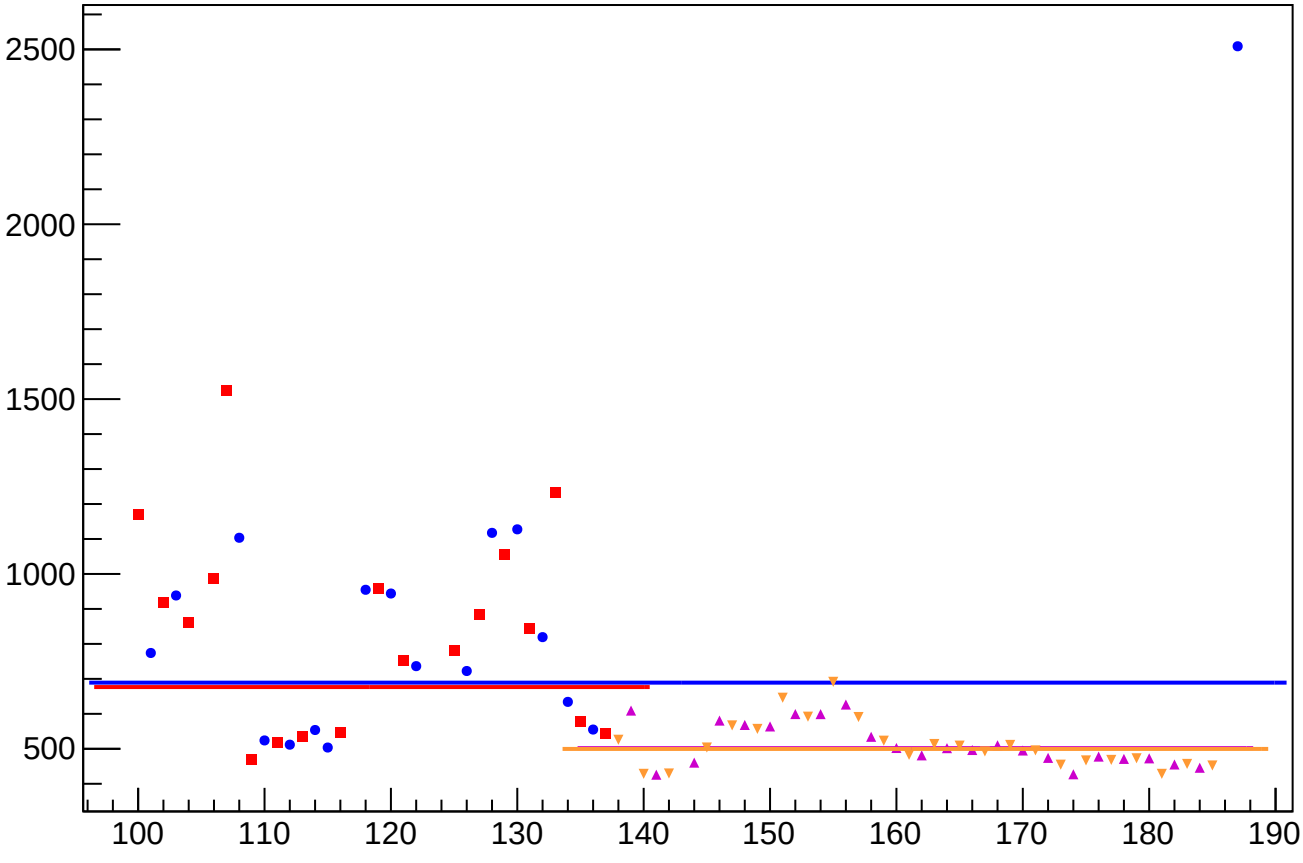
+ sign 776.100+/-0.108 χ^2/NDF: 96287.3/40

All: 777.814+/-0.076 χ^2/NDF: 443695.1/82

- sign 779.541+/-0.108 χ^2/NDF: 346900.3/41


asym_us_dd_overload_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -363.160+/-267.058 χ²/NDF: 23.4/16
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: -515.295+/-263.302 χ²/NDF: 11.4/17
Left In: -83.196+/-118.194 χ²/NDF:28.2/22
+ sign -462.262+/-107.237 χ²/NDF: 87.1/40
All: -309.806+/-76.036 χ²/NDF: 133.0/81
- sign -155.664+/-107.828 χ²/NDF: 41.9/40

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 689.204+/-0.189 χ^2/NDF: 1047287.8/16

Left Out: 499.670+/-0.083 χ^2/NDF:516314.6/23

Right Out: 676.572+/-0.186 χ^2/NDF: 1308036.1/17

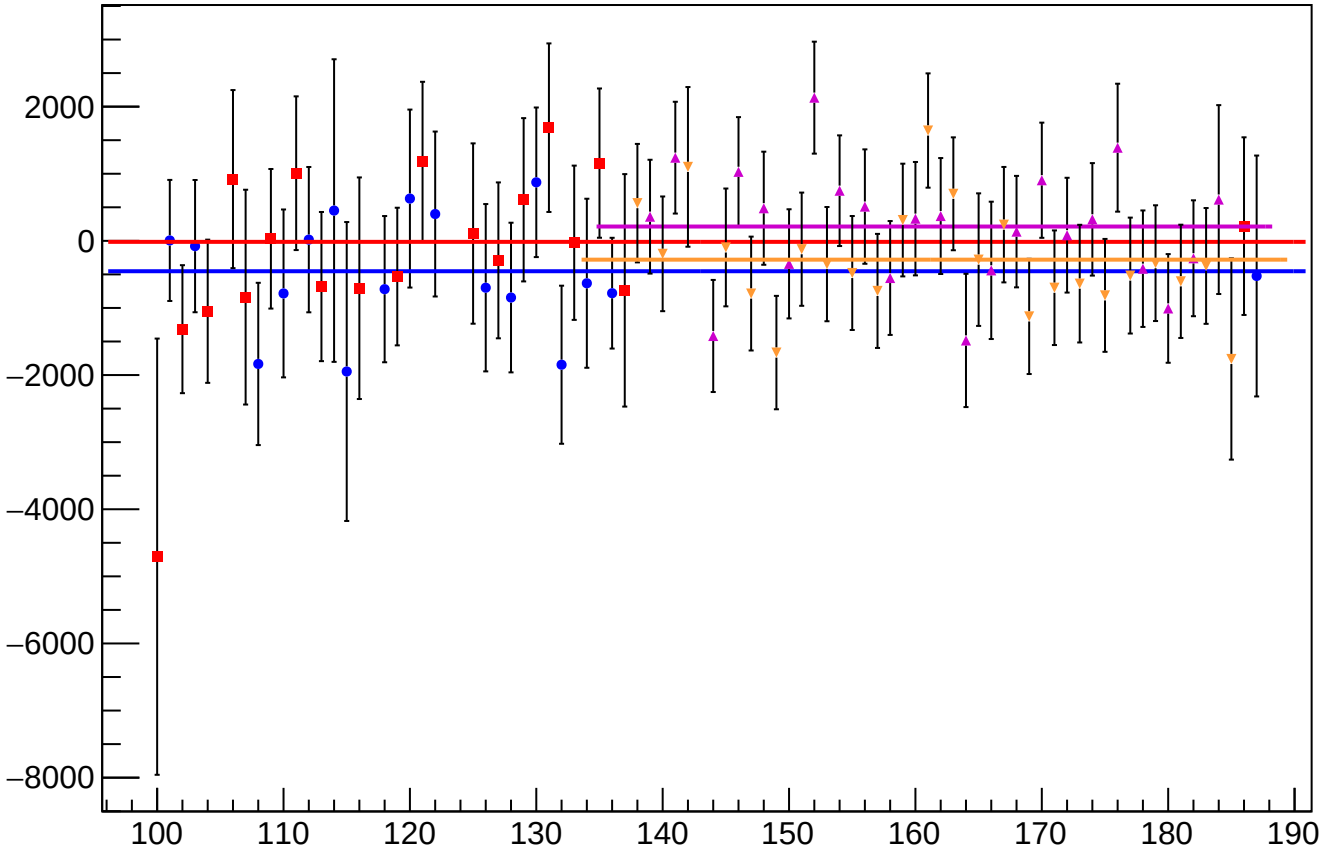
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

\+ sign 530.231+/-0.076 χ^2/NDF: 2408552.3/40

All: 530.762+/-0.054 χ^2/NDF: 4915639.4/81

\- sign 531.299+/-0.076 χ^2/NDF: 2506988.4/40

eigen_cor_asym_us_dd_mean vs Slug



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

Left Out: -280.364+/-179.881 χ^2/NDF:16.1/23

Right Out: -15.004+/-281.491 χ^2/NDF: 11.7/18

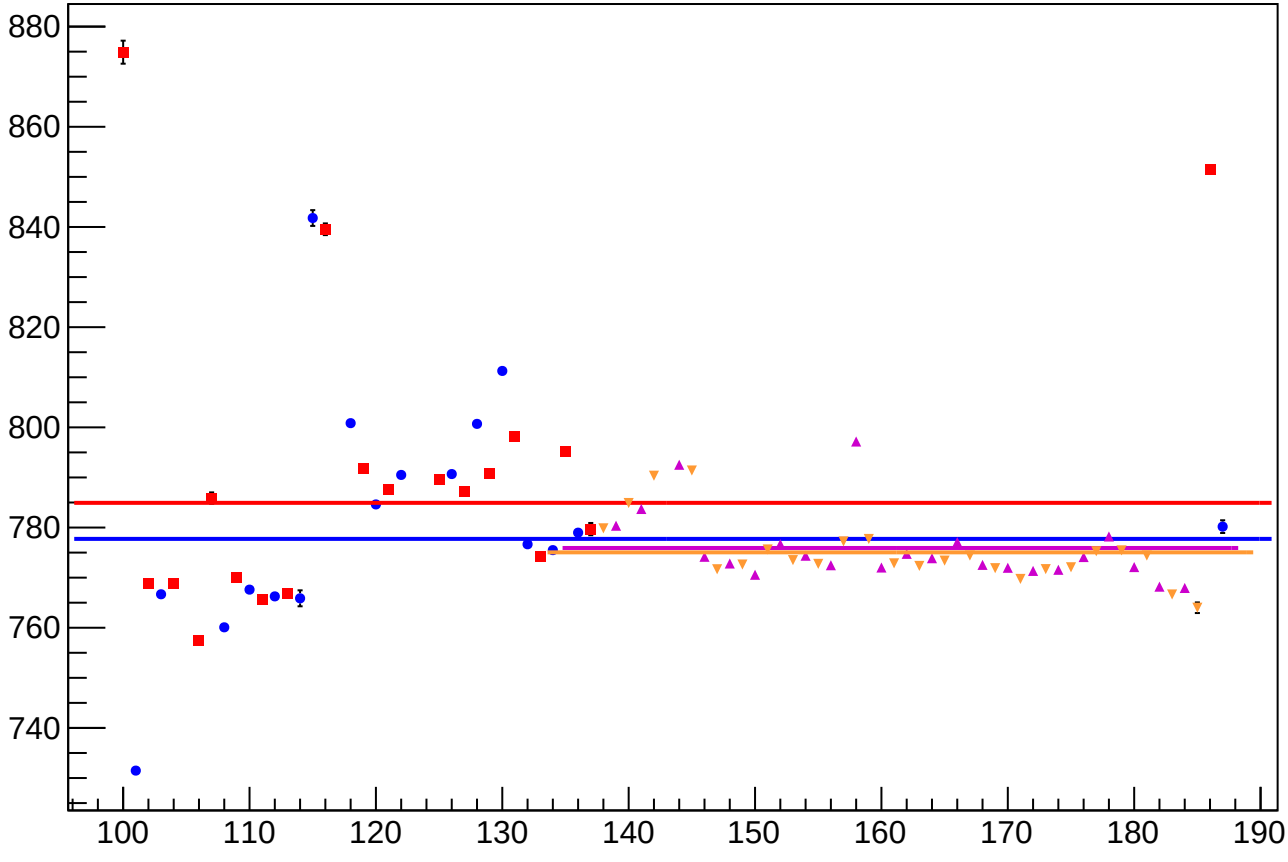
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -329.417+/-152.158 χ^2/NDF: 23.3/40

All: -91.738+/-107.657 χ^2/NDF: 62.7/82

- sign 146.518+/-152.343 χ^2/NDF: 34.5/41

eigen_cor_asym_us_dd_rms vs Slug



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

Left Out: 775.050+/-0.127 χ^2/NDF:1951.3/23

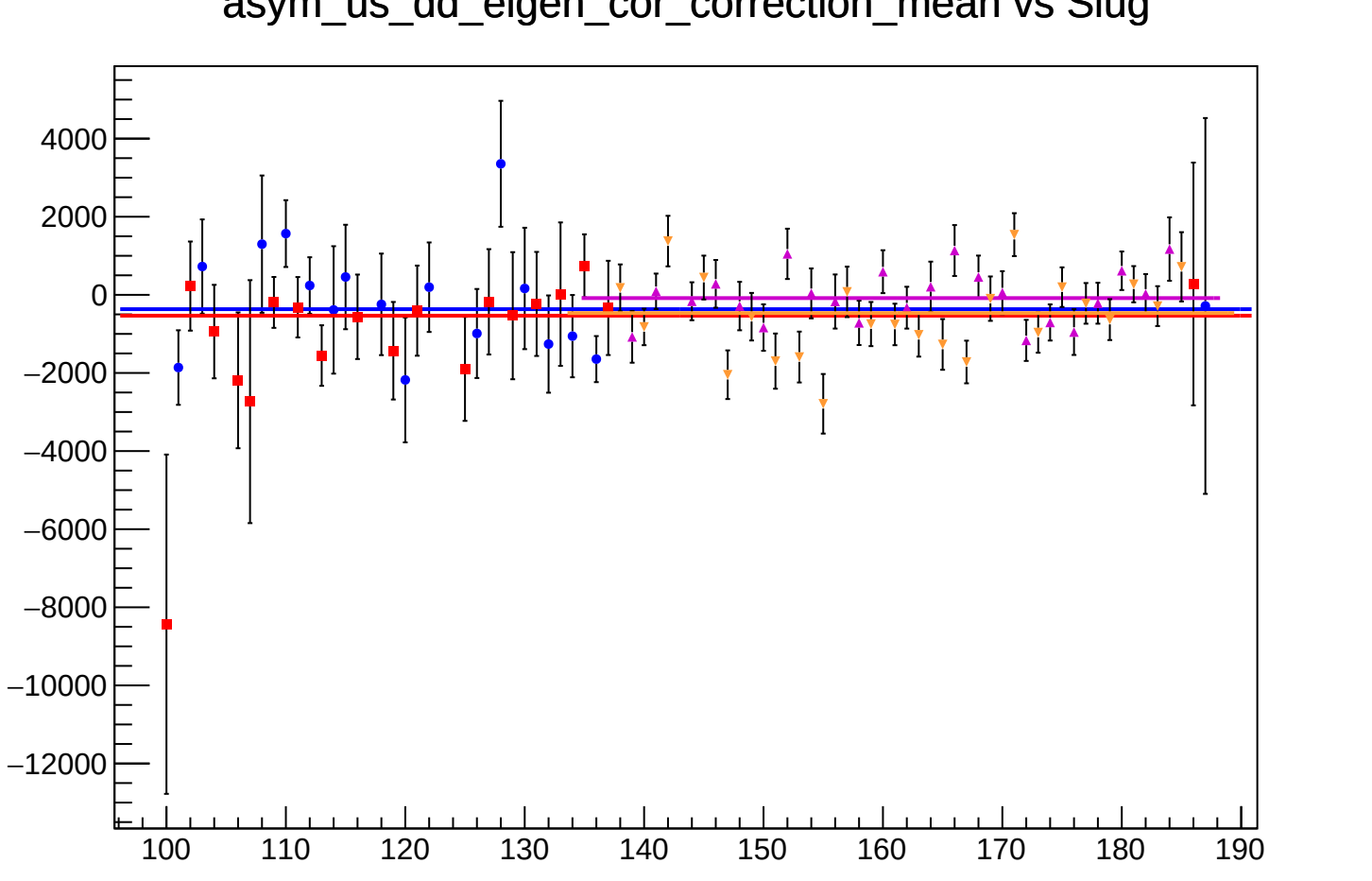
Right Out: 784.932+/-0.199 χ^2/NDF: 12931.7/18

Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 775.814+/-0.108 χ^2/NDF: 14137.6/40

All: 777.186+/-0.076 χ^2/NDF: 31816.5/82

- sign 778.561+/-0.108 χ^2/NDF: 17353.5/41



Right In: -366.756+/-266.290 χ^2/NDF: 23.3/16

Left Out: -467.151+/-116.712 χ^2/NDF:64.4/23

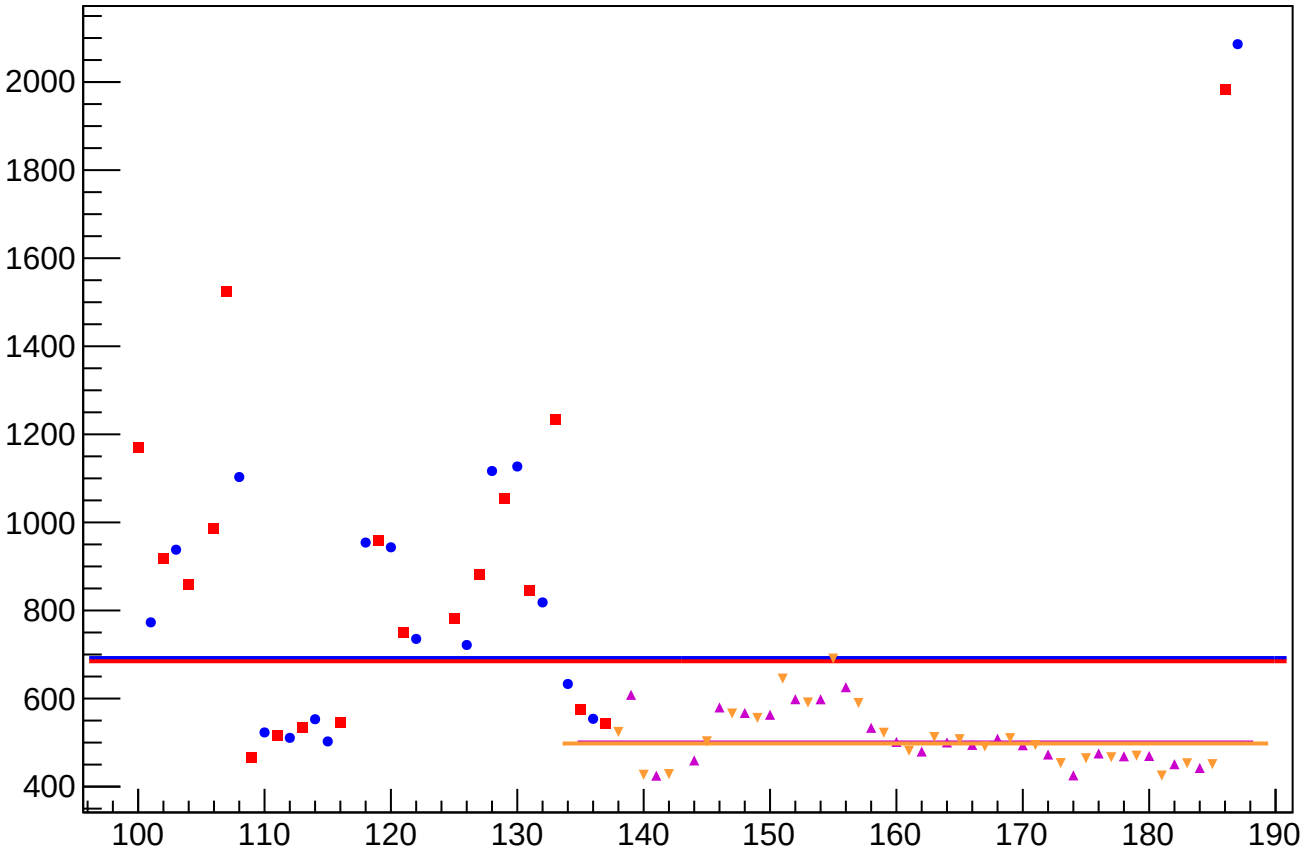
Right Out: -533.078+/-261.971 χ^2/NDF: 11.7/18

Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -450.973+/-106.896 χ^2/NDF: 87.9/40

All: -305.651+/-75.780 χ^2/NDF: 133.9/82

\- sign -158.836+/-107.444 χ^2/NDF: 42.3/41



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

Left Out: 497.966+/-0.083 χ^2/NDF:526993.3/23

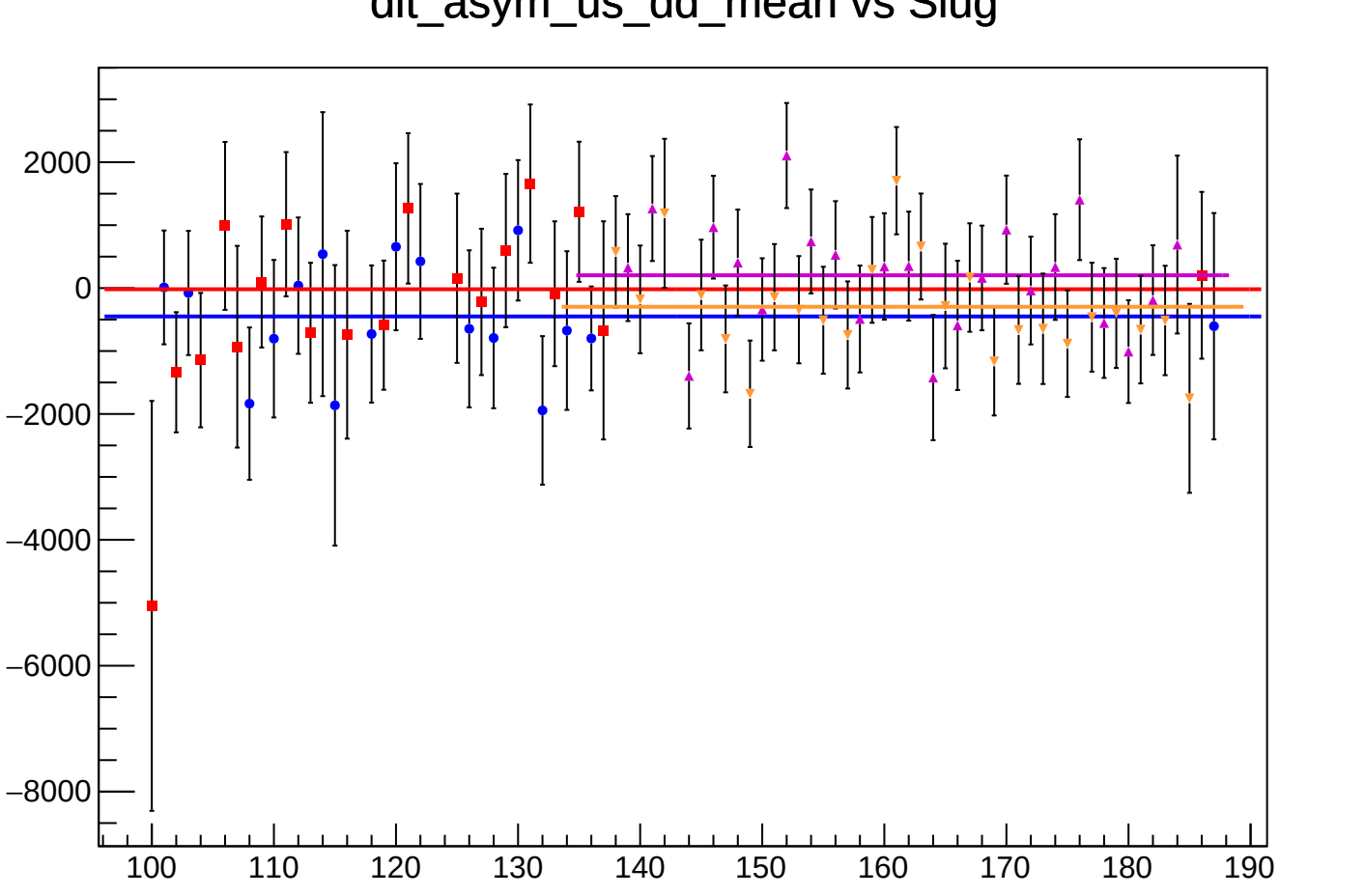
Right Out: 684.696+/-0.185 χ^2/NDF: 1664167.5/18

Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 529.233+/-0.076 χ^2/NDF: 2618048.0/40

All: 530.273+/-0.054 χ^2/NDF: 5584136.2/82

- sign 531.323+/-0.076 χ^2/NDF: 2965707.9/41



Right In: -450.674+/-285.568 χ^2/NDF: 7.3/16

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

Right Out: -18.280+/-281.777 χ^2/NDF: 12.7/18

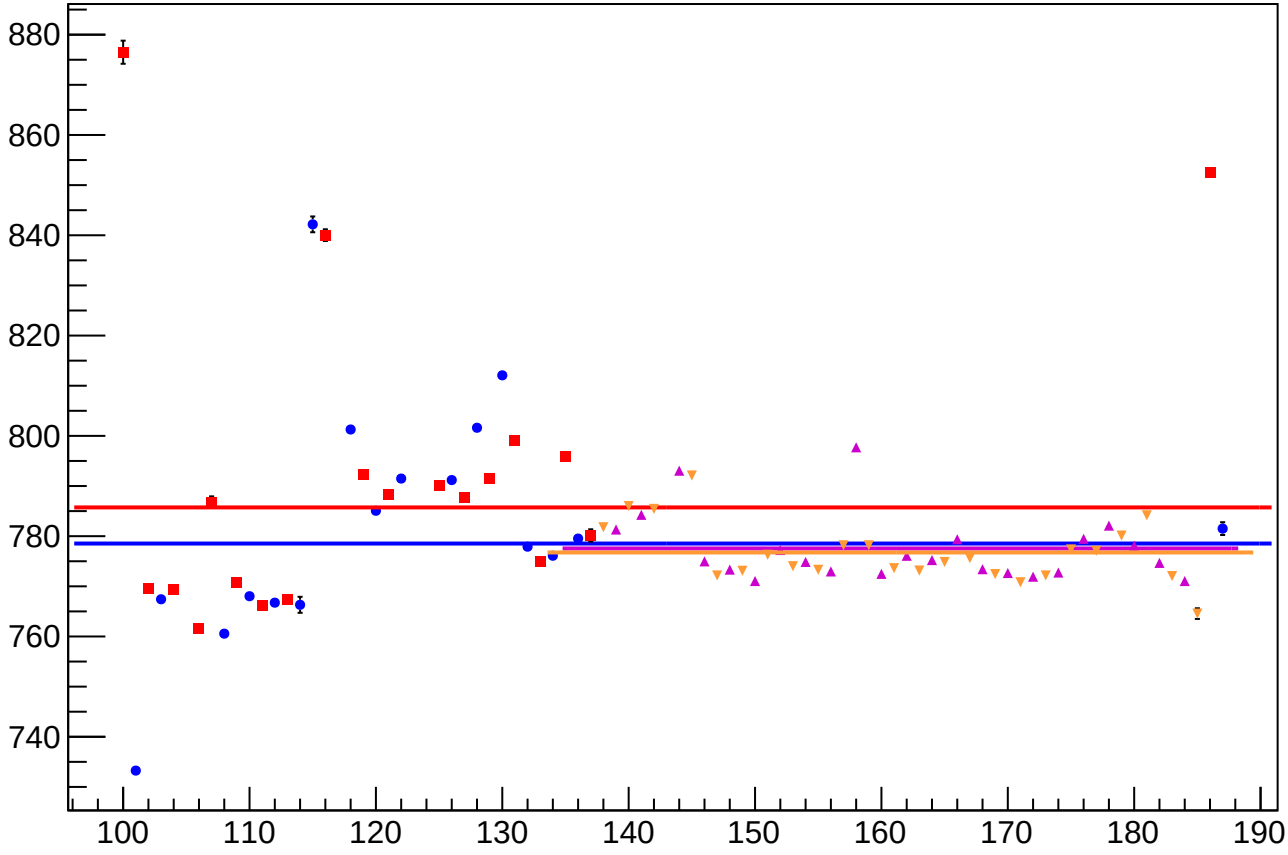
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -340.629+/-152.444 χ^2/NDF: 24.2/40

All: -101.418+/-107.854 χ^2/NDF: 64.3/82

- sign 138.328+/-152.614 χ^2/NDF: 35.2/41

dit_asym_us_dd_rms vs Slug



Right In: 778.533+/-0.202 χ^2/NDF: 11800.8/16

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

Right Out: 785.735+/-0.199 χ^2/NDF: 12791.4/18

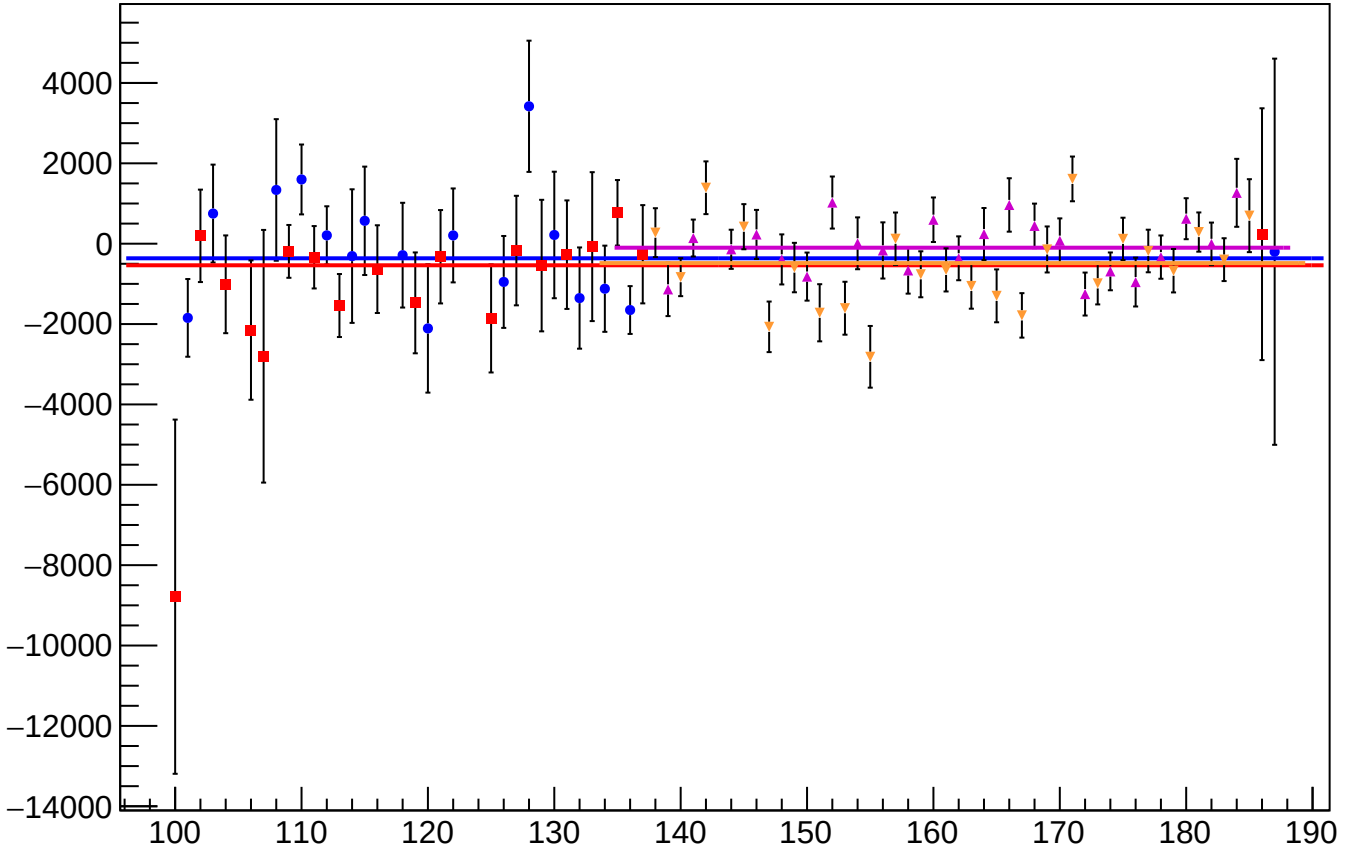
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 777.259+/-0.108 χ^2/NDF: 13682.9/40

All: 778.603+/-0.076 χ^2/NDF: 30729.0/82

- sign 779.951+/-0.108 χ^2/NDF: 16734.6/41

asym_us_dd_dit_correction_mean vs Slug



Right In: -363.464+/-268.894 χ^2/NDF: 23.3/16

Left Out: -482.886+/-118.805 χ^2/NDF:65.1/23

Right Out: -537.332+/-264.328 χ^2/NDF: 11.8/18

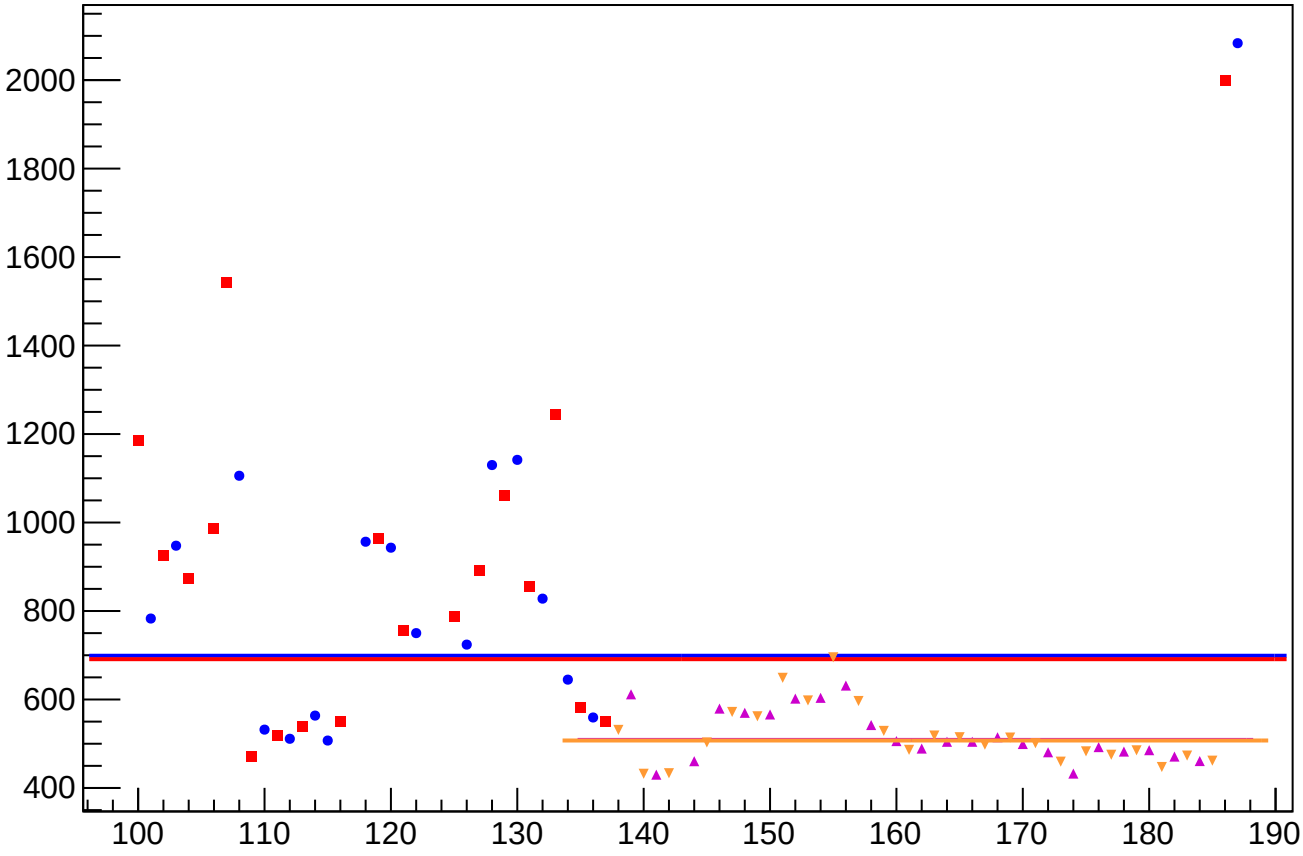
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -463.381+/-108.671 χ^2/NDF: 88.6/40

All: -319.351+/-76.966 χ^2/NDF: 133.6/82

- sign -174.386+/-109.023 χ^2/NDF: 41.5/41

asym_us_dd_dit_correction_rms vs Slug



Right In: 698.872+/-0.190 χ^2/NDF: 1196468.2/16

Left Out: 507.319+/-0.084 χ^2/NDF:473982.3/23

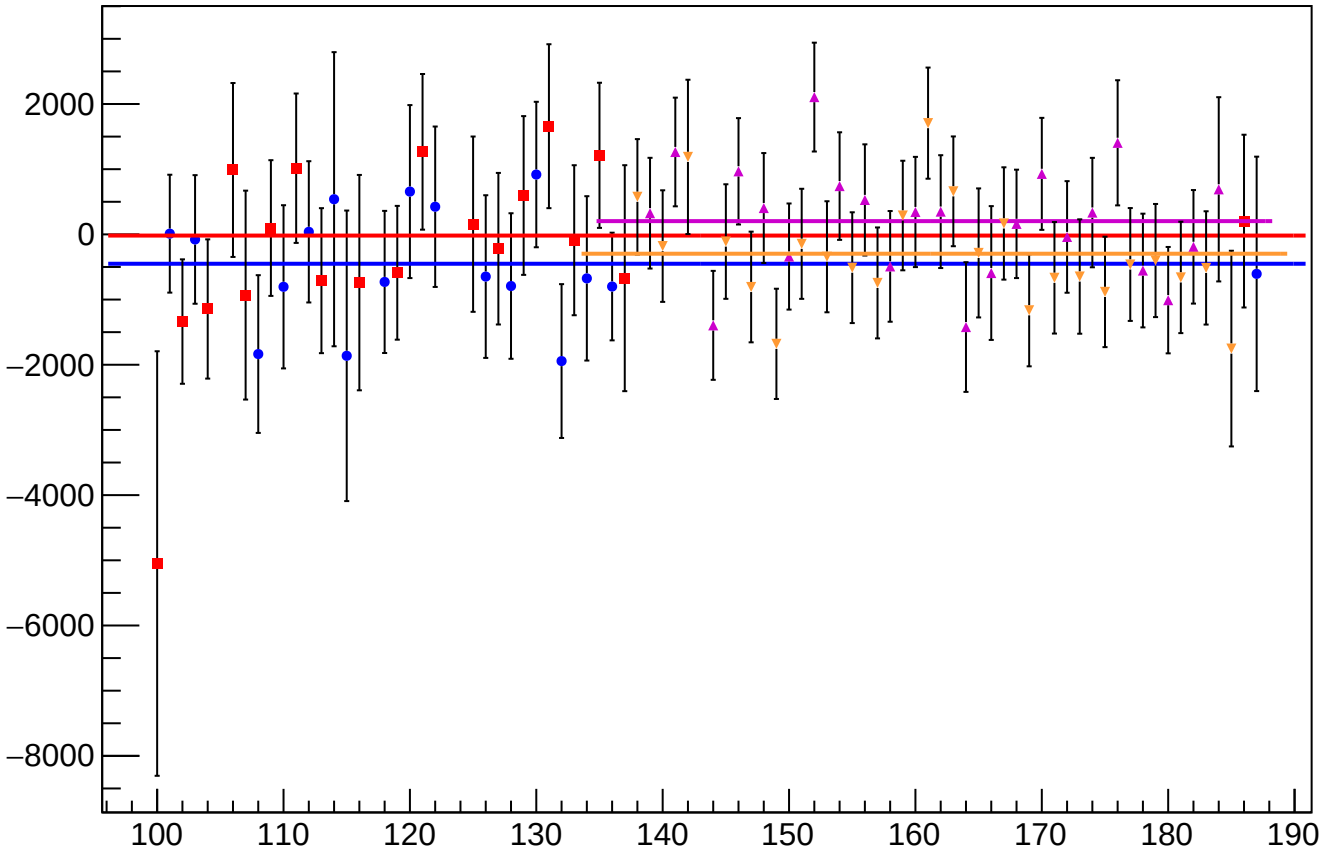
Right Out: 691.115+/-0.187 χ^2/NDF: 1662039.0/18

Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 538.605+/-0.077 χ^2/NDF: 2519632.8/40

All: 539.141+/-0.054 χ^2/NDF: 5405216.5/82

- sign 539.681+/-0.077 χ^2/NDF: 2885486.0/41



Right In: -450.674+/-285.567 χ^2/NDF: 7.3/16

Left Out: -296.771+/-180.280 χ^2/NDF:16.7/23

Right Out: -18.278+/-281.777 χ^2/NDF: 12.7/18

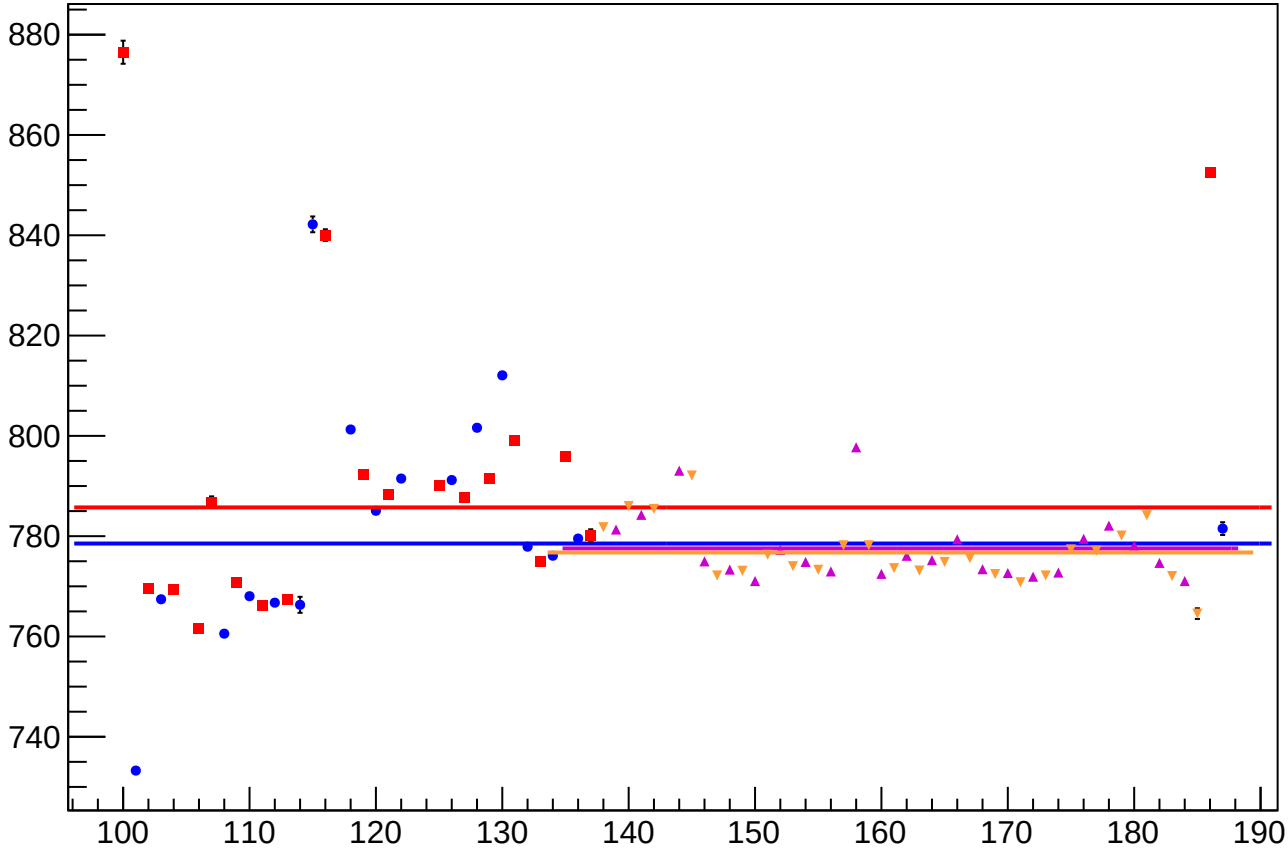
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -340.629+/-152.444 χ^2/NDF: 24.2/40

All: -101.419+/-107.854 χ^2/NDF: 64.3/82

- sign 138.328+/-152.614 χ^2/NDF: 35.2/41

eigen_dit_asym_us_dd_rms vs Slug



Right In: 778.533+/-0.202 χ^2/NDF: 11800.8/16

Left Out: 776.751+/-0.127 χ^2/NDF:1826.3/23

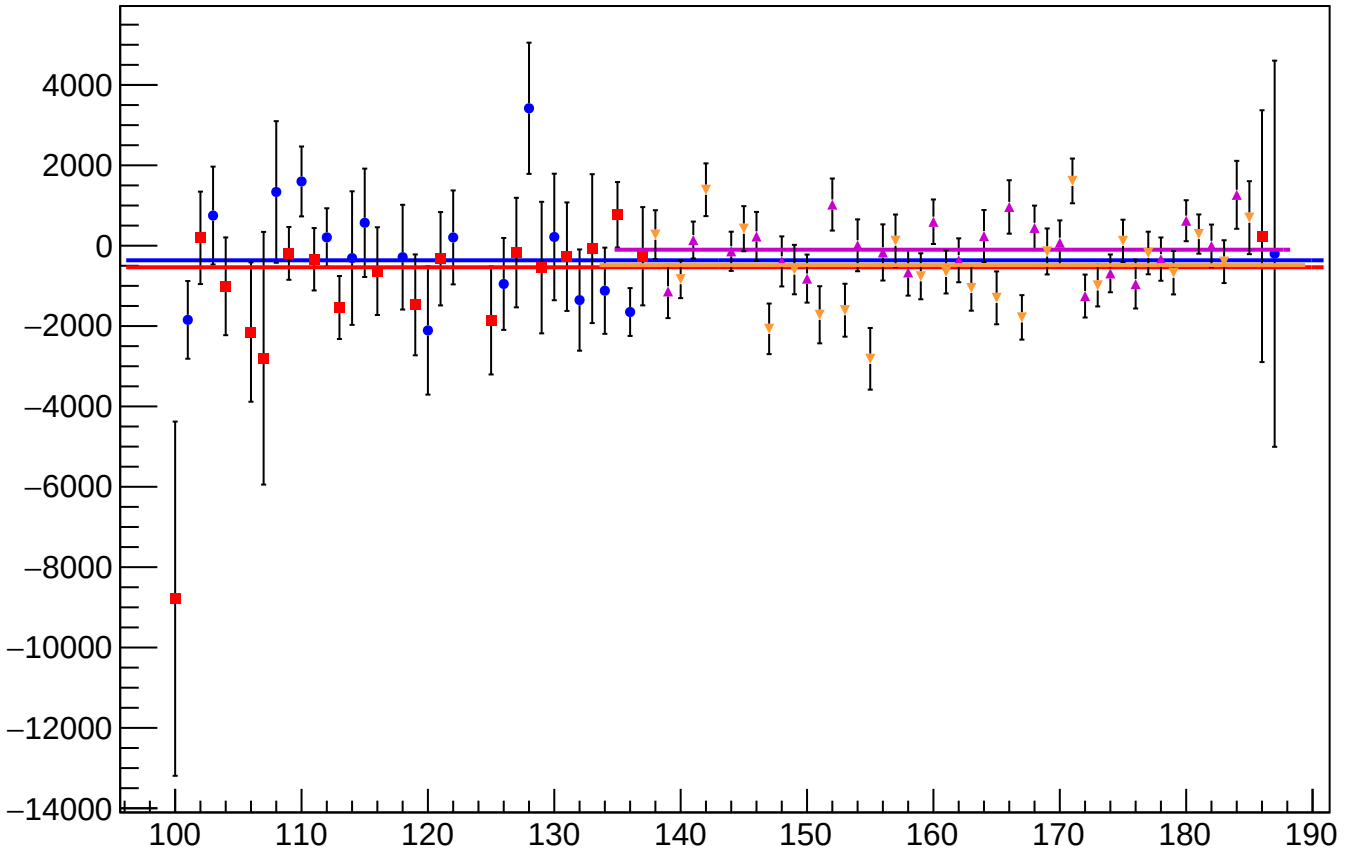
Right Out: 785.735+/-0.199 χ^2/NDF: 12791.4/18

Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 777.259+/-0.108 χ^2/NDF: 13682.8/40

All: 778.603+/-0.076 χ^2/NDF: 30728.9/82

- sign 779.951+/-0.108 χ^2/NDF: 16734.6/41



Right In: -363.459+/-268.892 χ^2/NDF: 23.3/16

Left Out: -482.886+/-118.806 χ^2/NDF:65.1/23

Right Out: -537.331+/-264.326 χ^2/NDF: 11.8/18

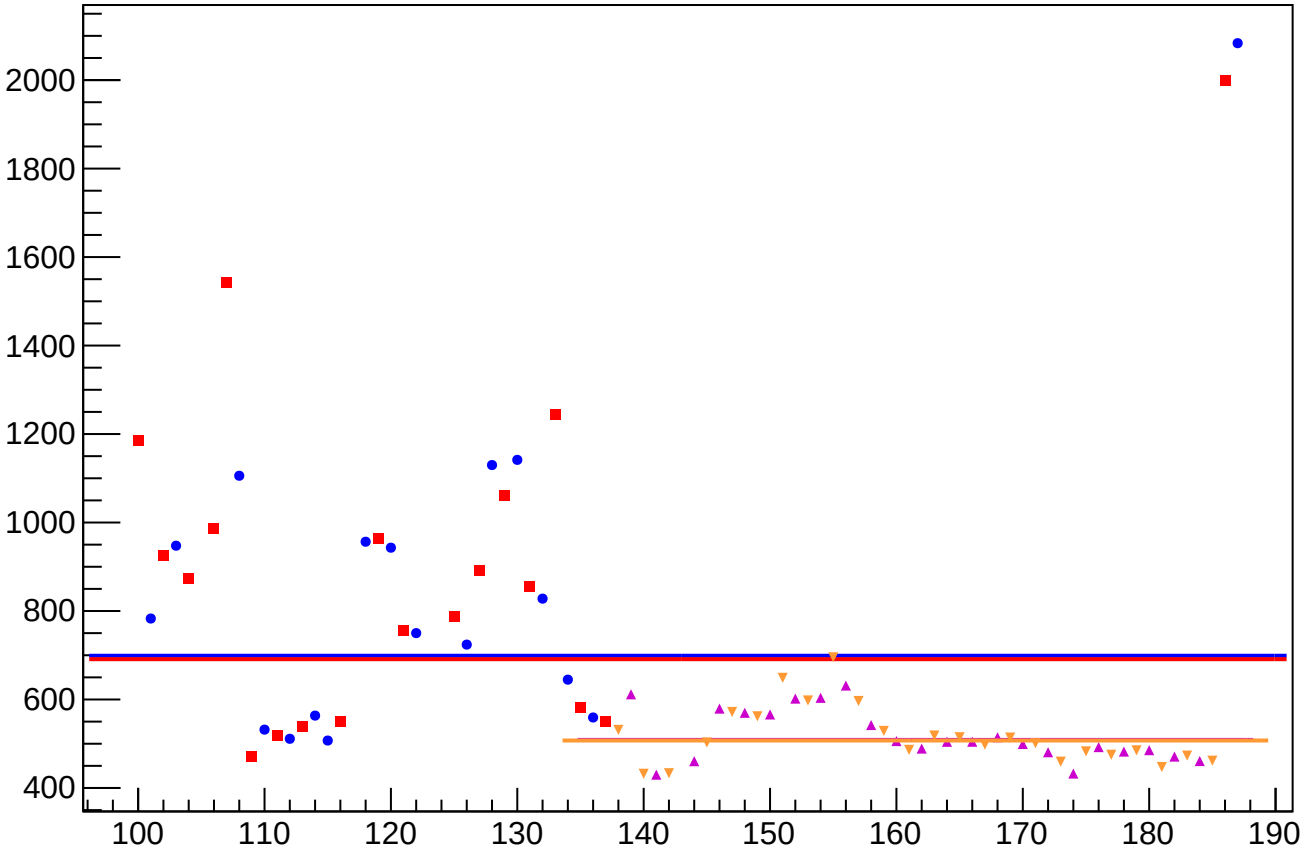
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -463.380+/-108.671 χ^2/NDF: 88.6/40

All: -319.350+/-76.966 χ^2/NDF: 133.6/82

- sign -174.386+/-109.023 χ^2/NDF: 41.5/41

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 698.868+/-0.190 χ^2/NDF: 1196480.5/16

Left Out: 507.319+/-0.084 χ^2/NDF:473992.3/23

Right Out: 691.112+/-0.187 χ^2/NDF: 1662060.3/18

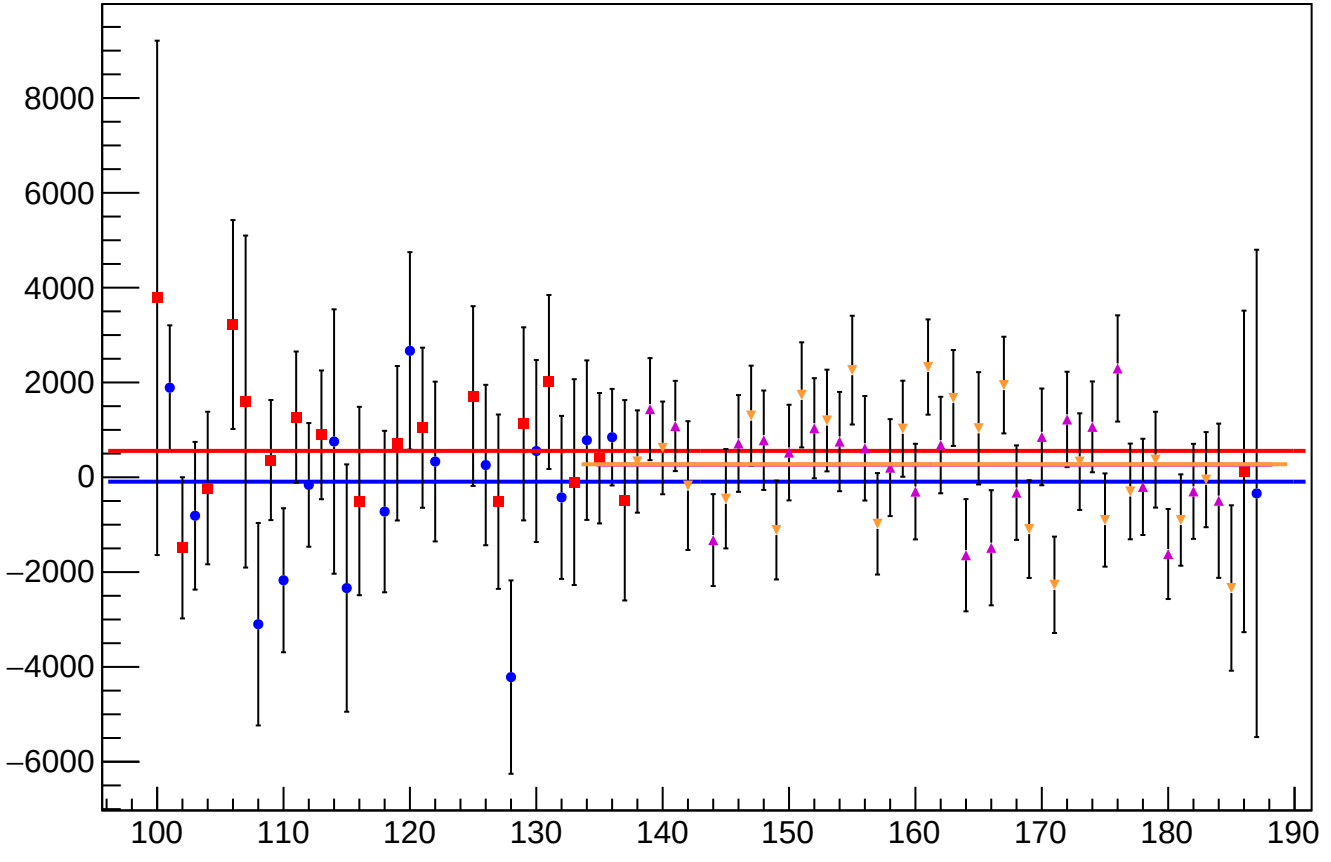
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 538.605+/-0.077 χ^2/NDF: 2519628.5/40

All: 539.141+/-0.054 χ^2/NDF: 5405225.0/82

- sign 539.681+/-0.077 χ^2/NDF: 2885498.8/41

asym_us_dd_mean vs Slug



Right In: -92.877+/-408.659 χ^2/NDF: 14.5/16

Left Out: 275.181+/-216.290 χ^2/NDF:33.6/23

Right Out: 556.917+/-408.567 χ^2/NDF: 6.5/18

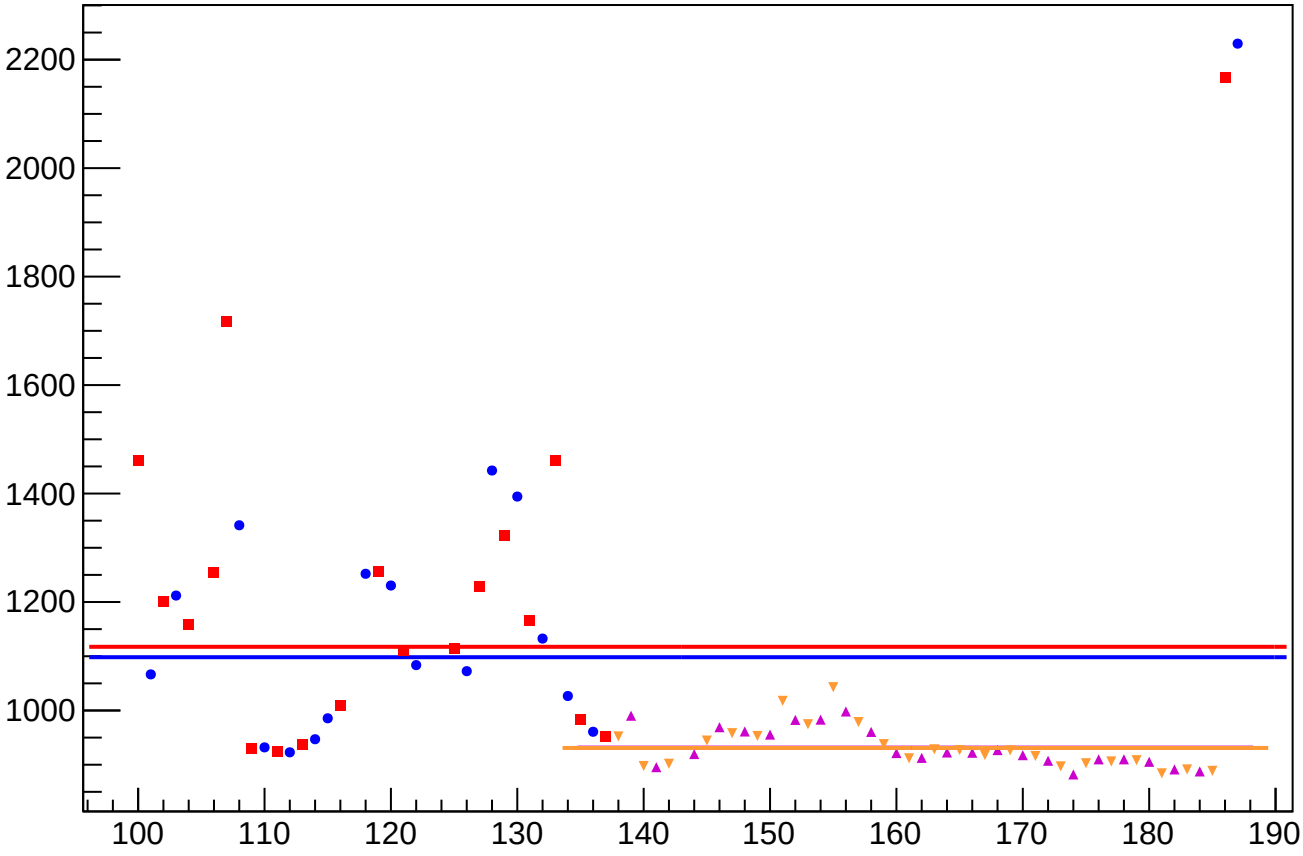
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 194.641+/-191.166 χ^2/NDF: 48.8/40

All: 262.556+/-135.510 χ^2/NDF: 77.4/82

- sign 331.149+/-192.117 χ^2/NDF: 28.3/41

asym_us_dd_rms vs Slug



Right In: 1098.237+/-0.289 χ^2/NDF: 374796.1/16

Left Out: 930.922+/-0.153 χ^2/NDF:61953.0/23

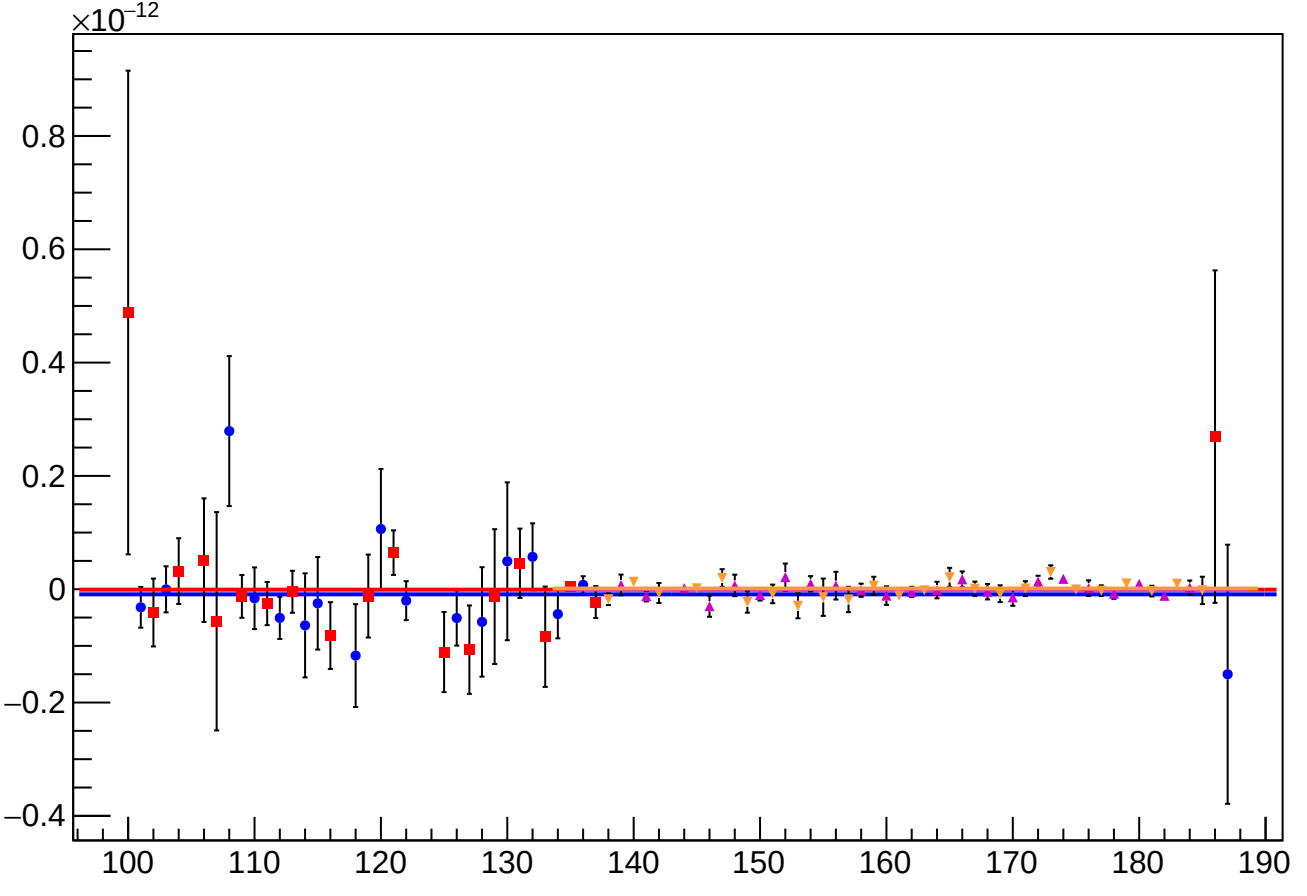
Right Out: 1117.414+/-0.289 χ^2/NDF: 522566.8/18

Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 967.535+/-0.135 χ^2/NDF: 698641.8/40

All: 970.082+/-0.096 χ^2/NDF: 1593176.8/82

- sign 972.656+/-0.136 χ^2/NDF: 893821.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.7/23

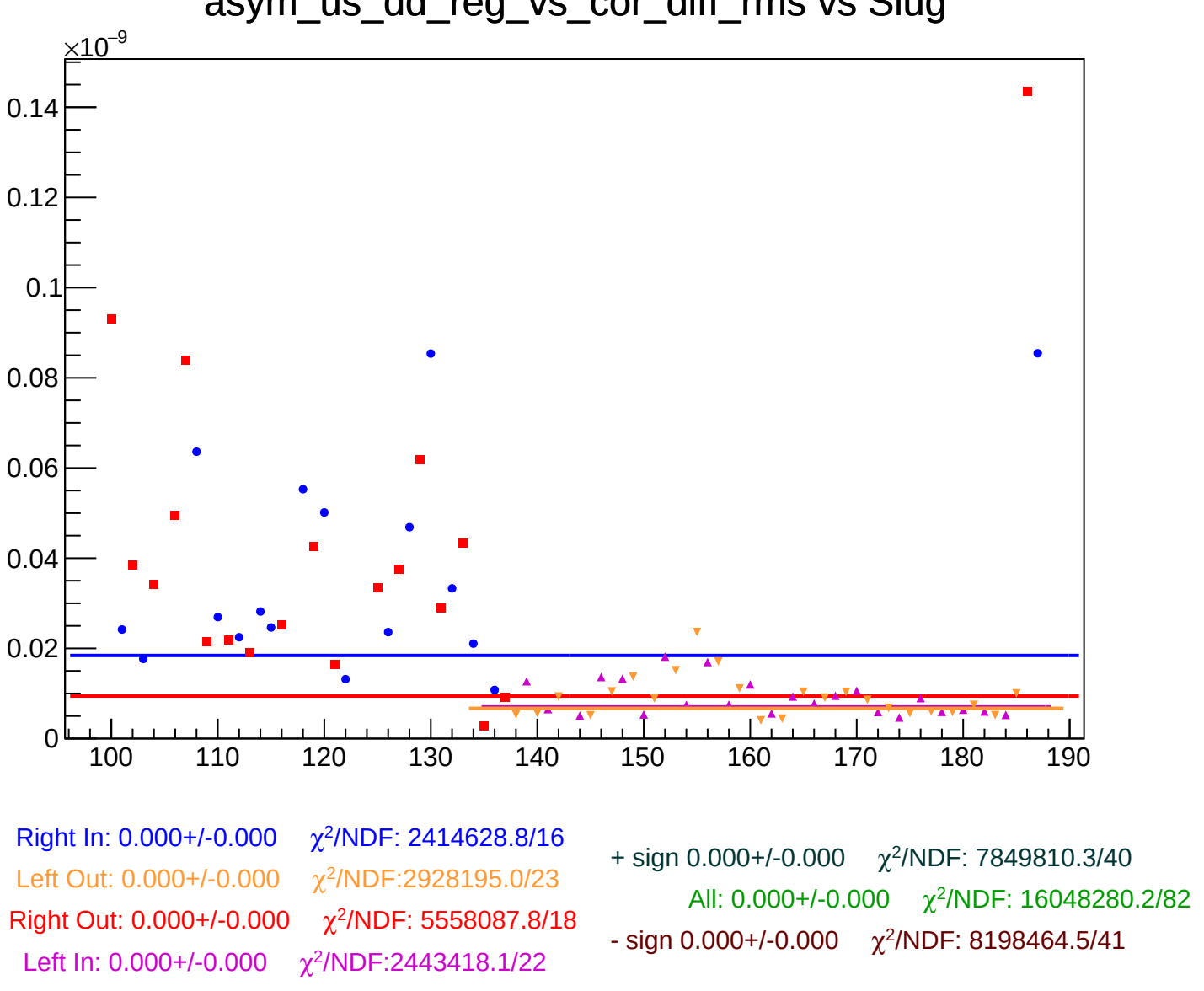
Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: 0.000+/-0.000 χ^2/NDF:22.1/22

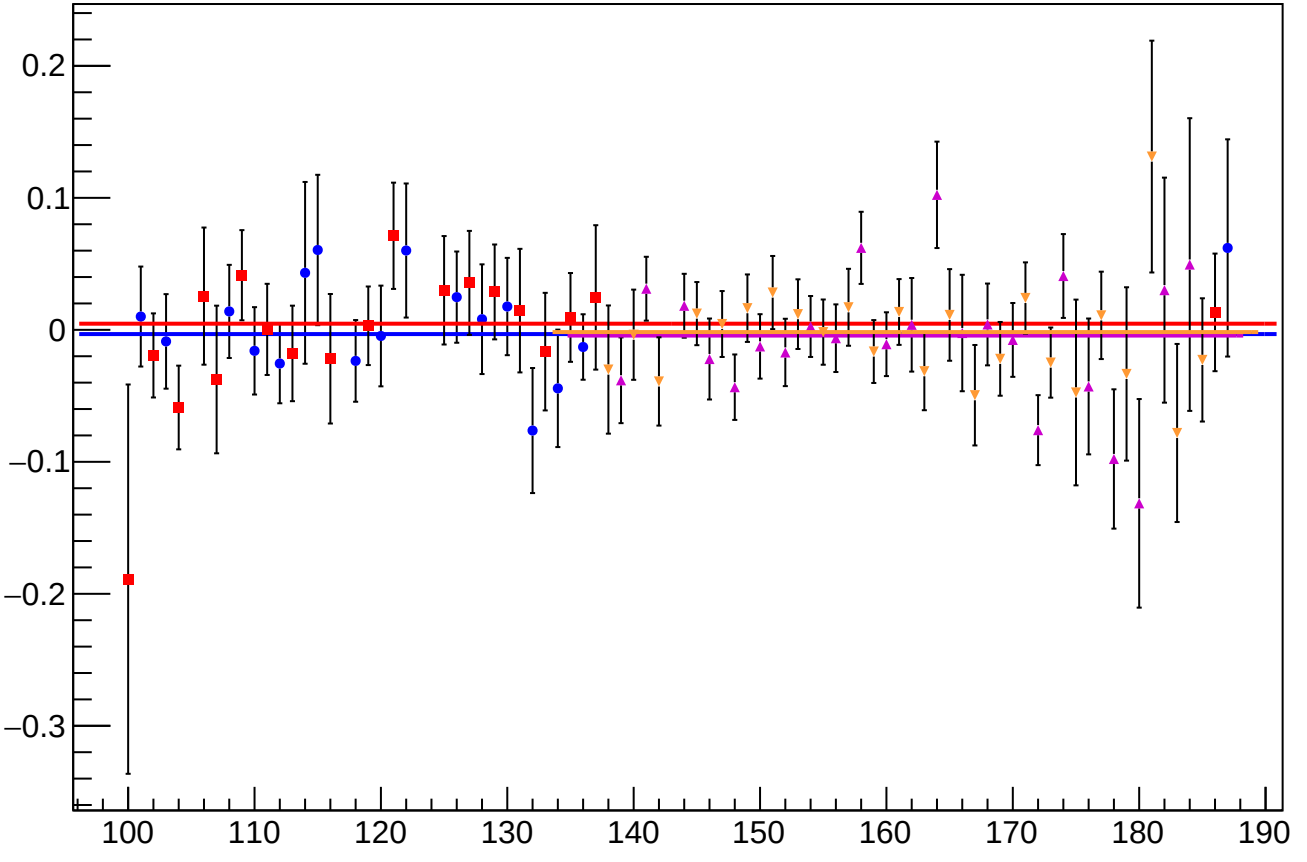
+ sign 0.000+/-0.000 χ^2/NDF: 40.9/40

All: 0.000+/-0.000 χ^2/NDF: 78.2/82

- sign 0.000+/-0.000 χ^2/NDF: 37.3/41


asym_us_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2414628.8/16
Left Out: 0.000+/-0.000 χ²/NDF:2928195.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 5558087.8/18
Left In: 0.000+/-0.000 χ²/NDF:2443418.1/22
+ sign 0.000+/-0.000 χ²/NDF: 7849810.3/40
All: 0.000+/-0.000 χ²/NDF: 16048280.2/82
- sign 0.000+/-0.000 χ²/NDF: 8198464.5/41

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

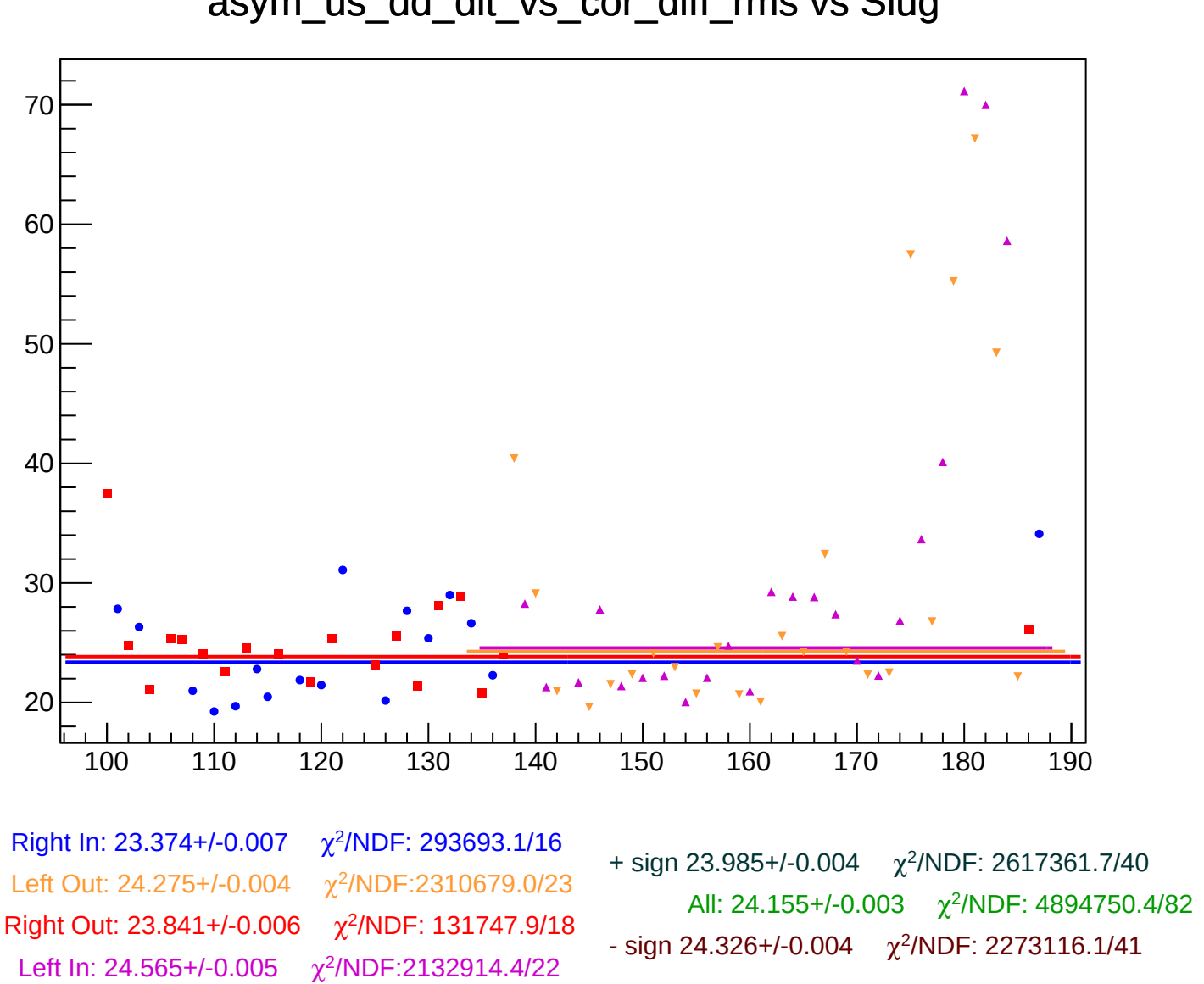
Right Out: 0.005+/-0.009 χ^2/NDF: 13.5/18

Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 24.5/40

All: -0.002+/-0.004 χ^2/NDF: 75.2/82

- sign -0.001+/-0.005 χ^2/NDF: 50.7/41



Right In: 23.374+/-0.007 χ^2/NDF: 293693.1/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

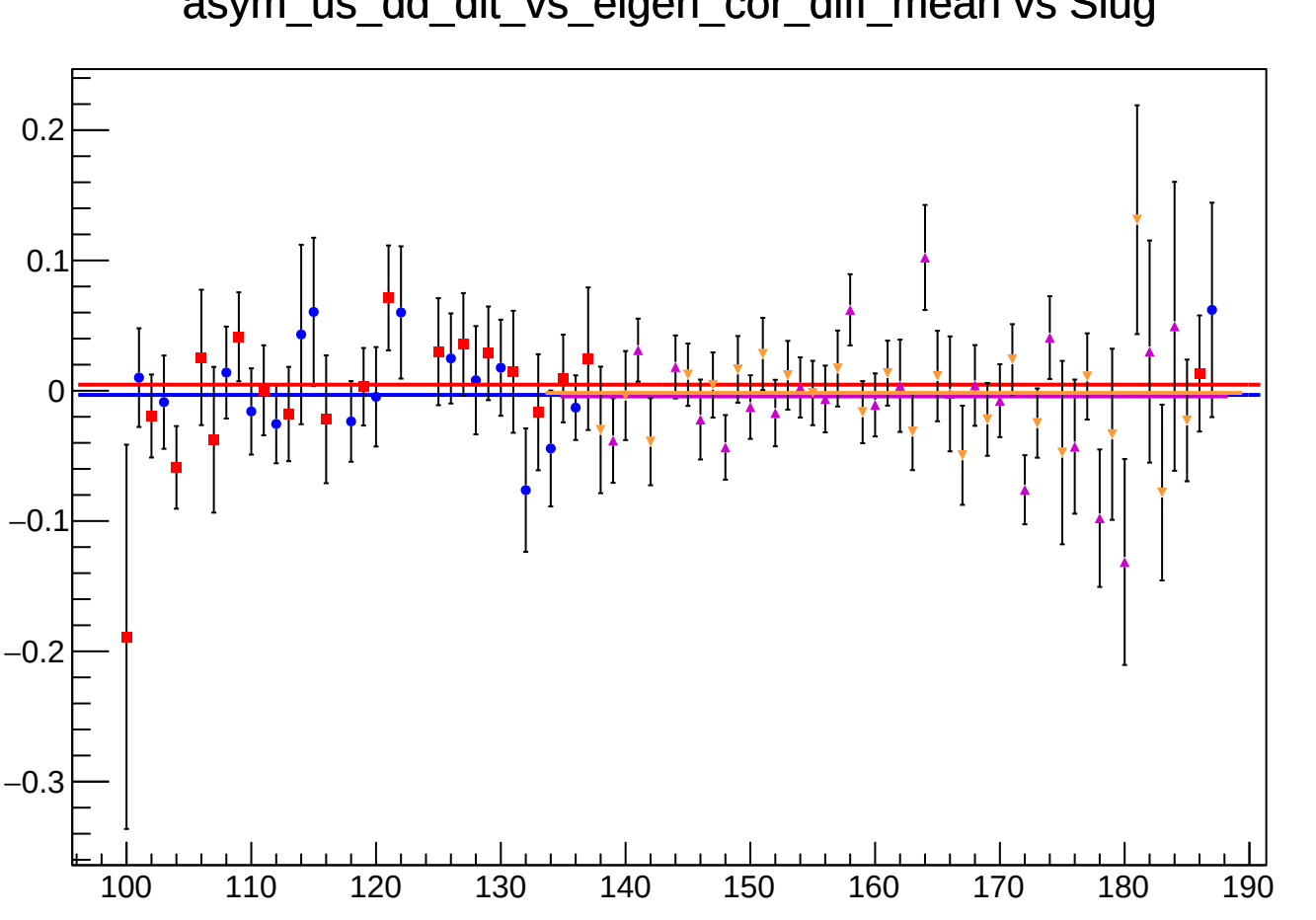
Right Out: 23.841+/-0.006 χ^2/NDF: 131747.9/18

Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 23.985+/-0.004 χ^2/NDF: 2617361.7/40

All: 24.155+/-0.003 χ^2/NDF: 4894750.4/82

- sign 24.326+/-0.004 χ^2/NDF: 2273116.1/41



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

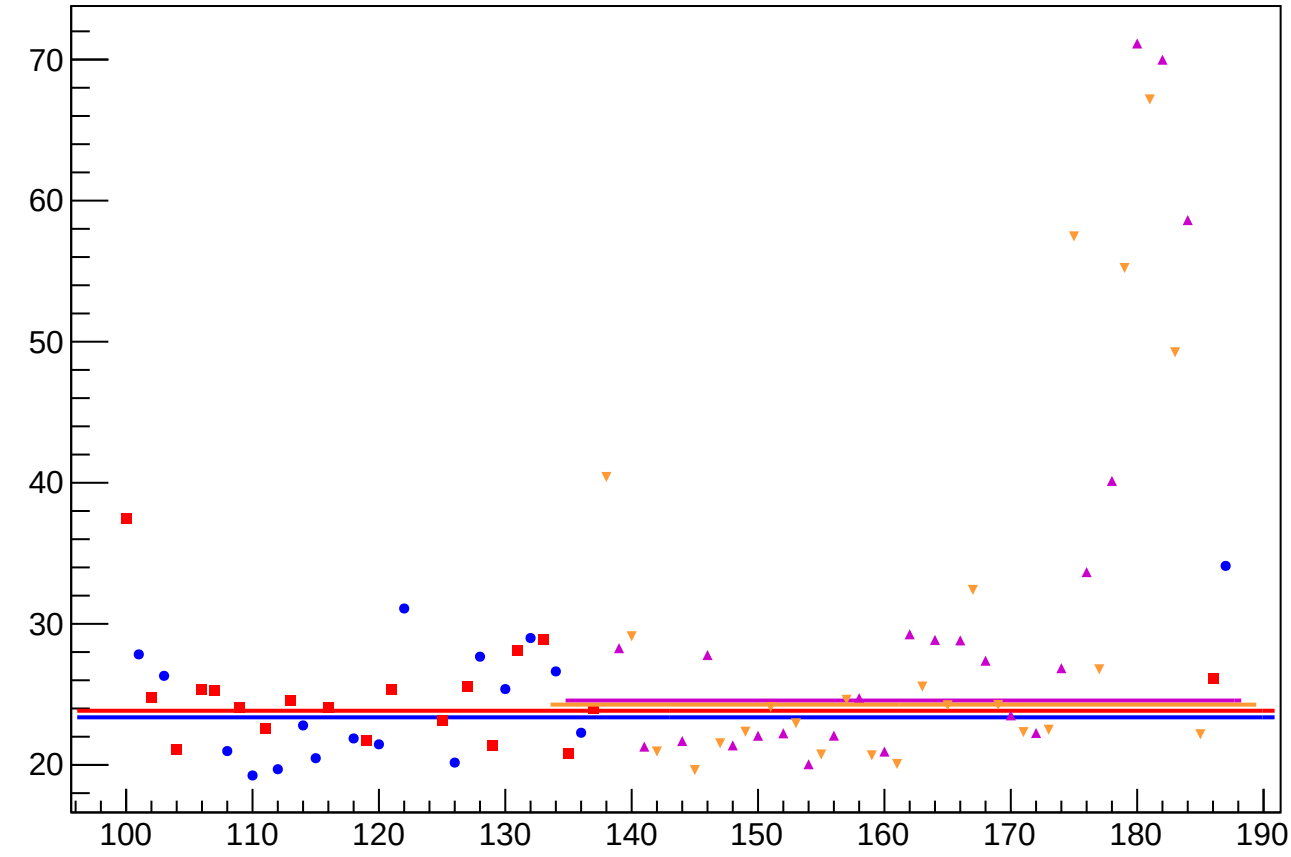
Right Out: 0.005+/-0.009 χ^2/NDF: 13.5/18

Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 24.5/40

All: -0.002+/-0.004 χ^2/NDF: 75.2/82

- sign -0.001+/-0.005 χ^2/NDF: 50.7/41



Right In: 23.374+/-0.007 χ^2/NDF: 293693.1/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310679.0/23

Right Out: 23.841+/-0.006 χ^2/NDF: 131747.9/18

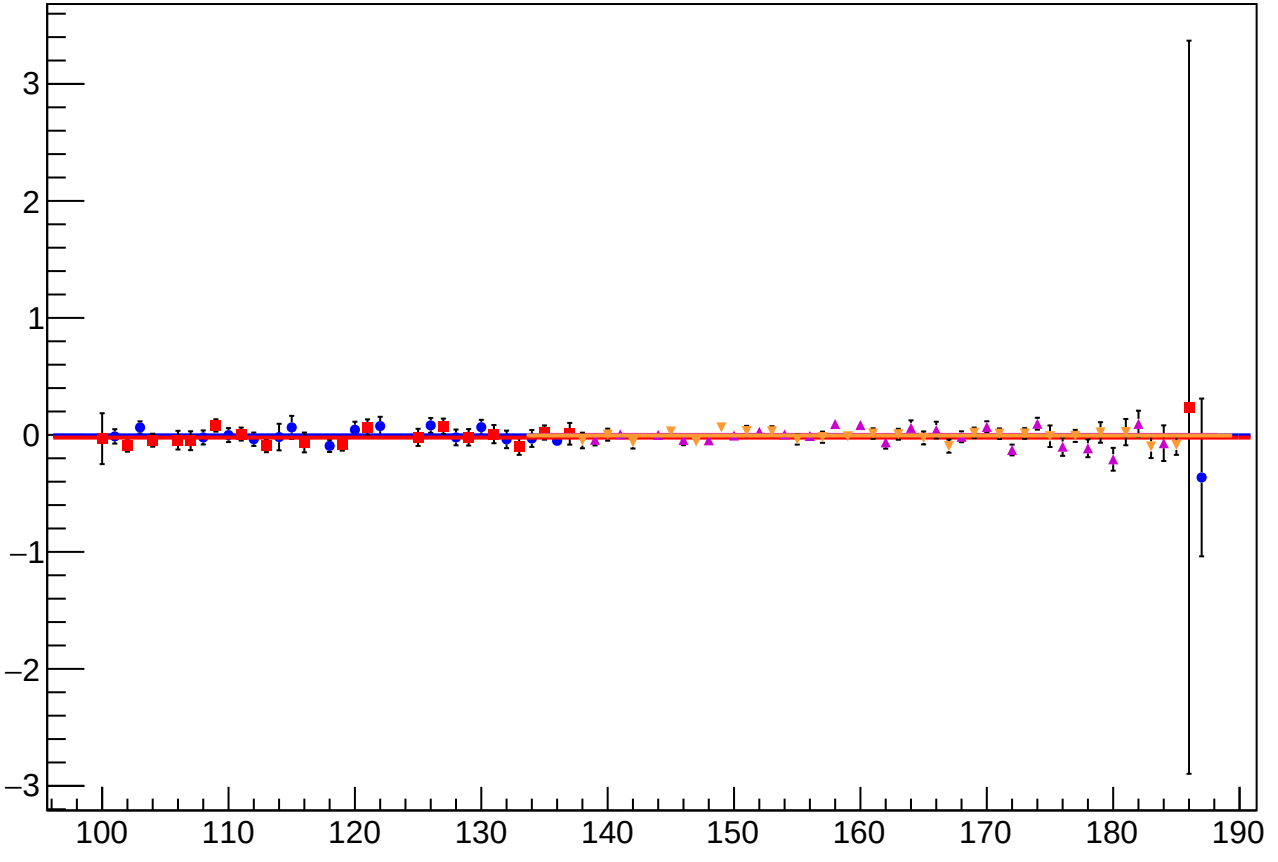
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 23.985+/-0.004 χ^2/NDF: 2617361.7/40

All: 24.155+/-0.003 χ^2/NDF: 4894750.4/82

- sign 24.326+/-0.004 χ^2/NDF: 2273116.1/41

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/16

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/18

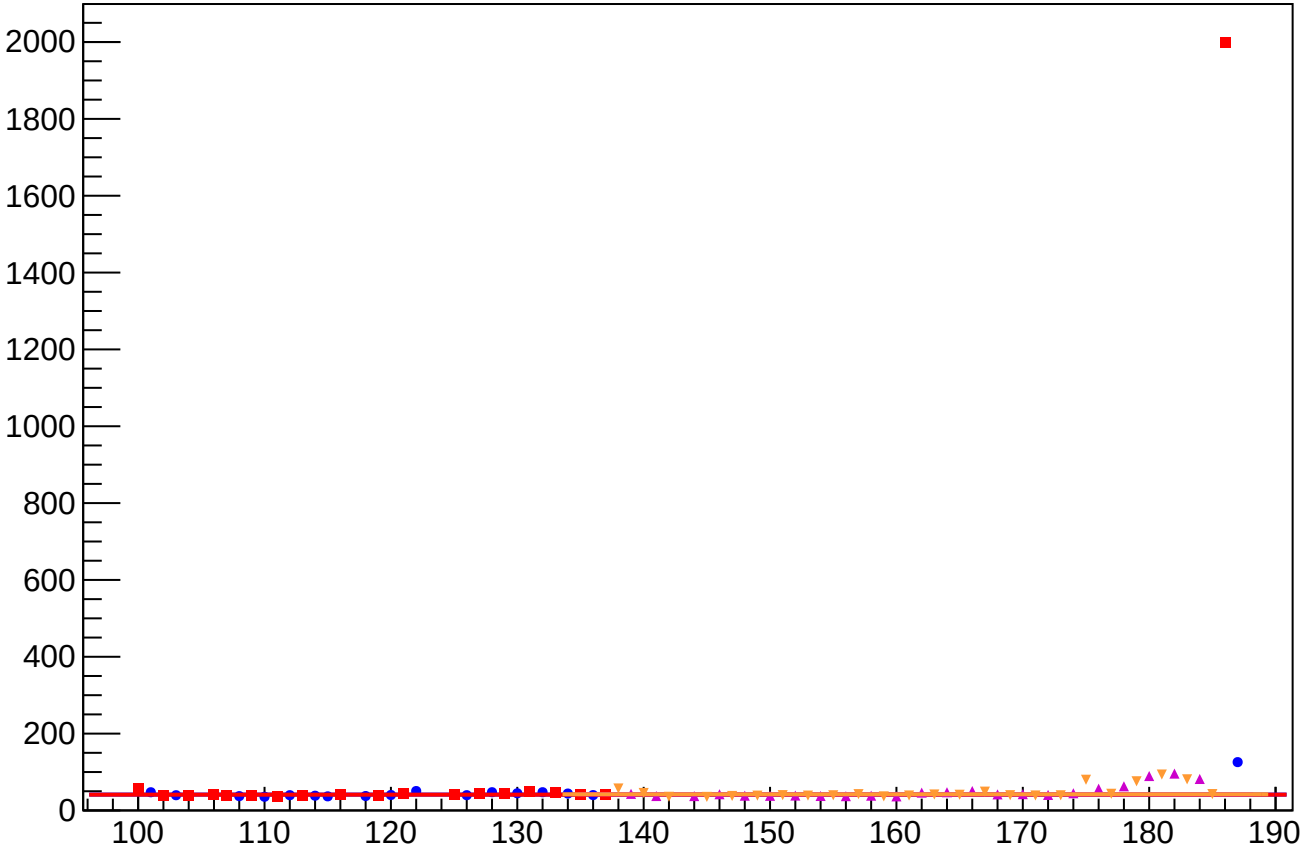
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.005+/-0.009 χ^2/NDF: 25.8/40

All: -0.006+/-0.006 χ^2/NDF: 80.7/82

- sign -0.007+/-0.009 χ^2/NDF: 54.9/41

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.288+/-0.011 χ^2/NDF: 166710.1/16

Left Out: 42.088+/-0.007 χ^2/NDF:1716047.0/23

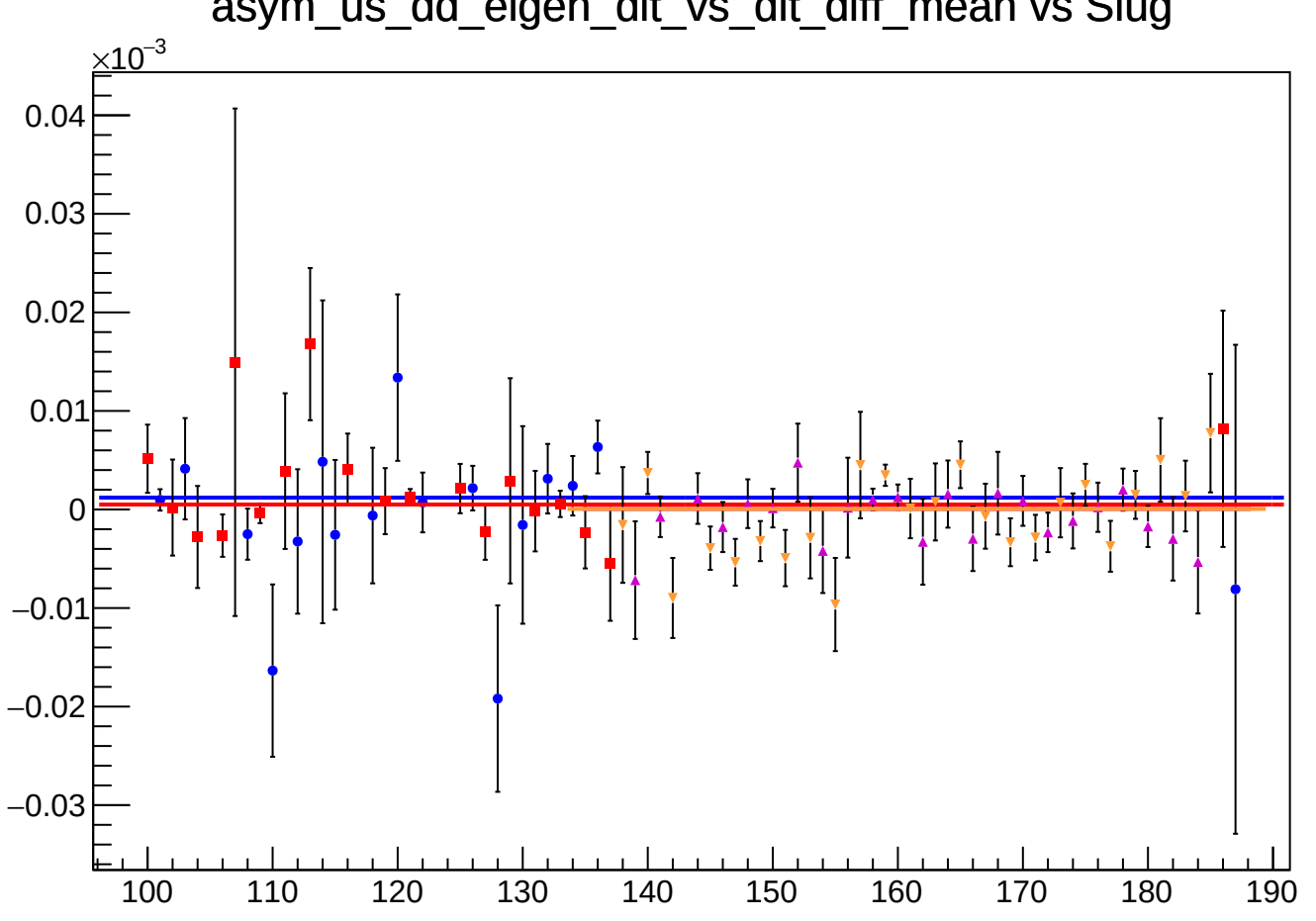
Right Out: 41.103+/-0.011 χ^2/NDF: 877138.2/18

Left In: 42.078+/-0.007 χ^2/NDF:1543505.8/22

+ sign 41.845+/-0.006 χ^2/NDF: 1886363.5/40

All: 41.810+/-0.004 χ^2/NDF: 4312526.2/82

- sign 41.775+/-0.006 χ^2/NDF: 2426097.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.4/18

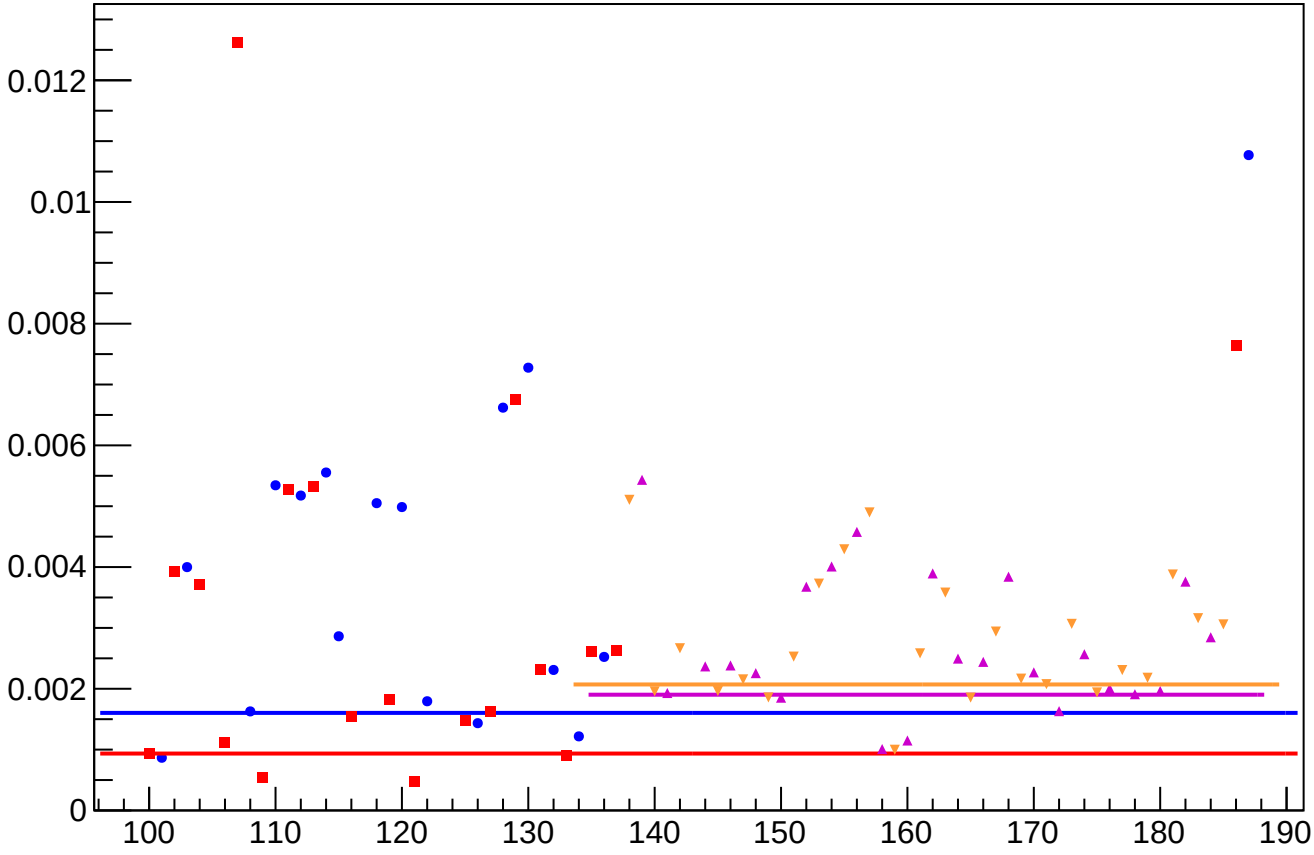
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.7/40

All: 0.000+/-0.000 χ^2/NDF: 100.6/82

- sign 0.000+/-0.000 χ^2/NDF: 28.8/41

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5035417.6/16

Left Out: 0.002+/-0.000 χ^2/NDF:5263163.7/23

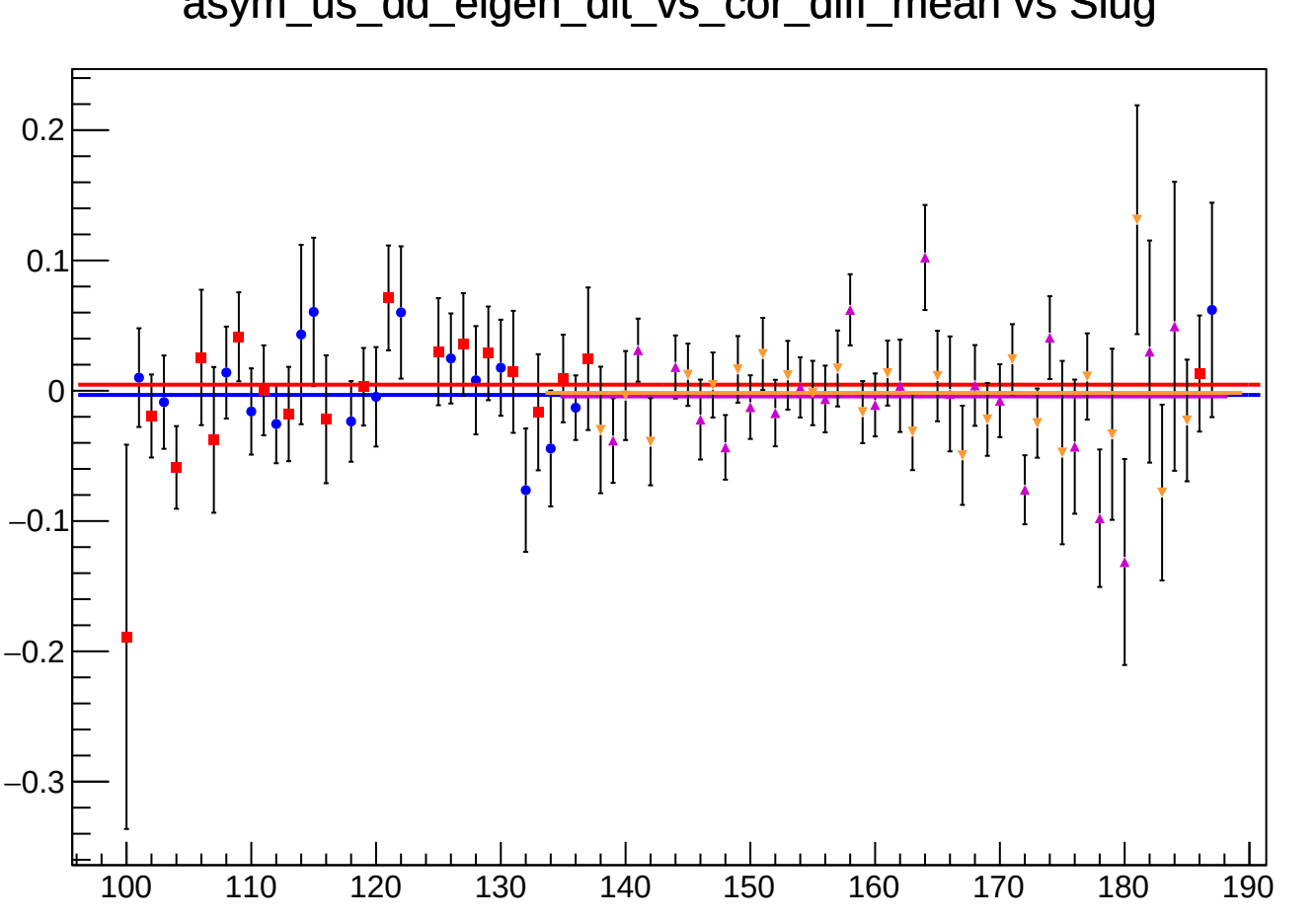
Right Out: 0.001+/-0.000 χ^2/NDF: 6406912.2/18

Left In: 0.002+/-0.000 χ^2/NDF:5935945.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 10820421.8/40

All: 0.002+/-0.000 χ^2/NDF: 28577349.7/82

- sign 0.001+/-0.000 χ^2/NDF: 16157893.1/41



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

Right Out: 0.005+/-0.009 χ^2/NDF: 13.5/18

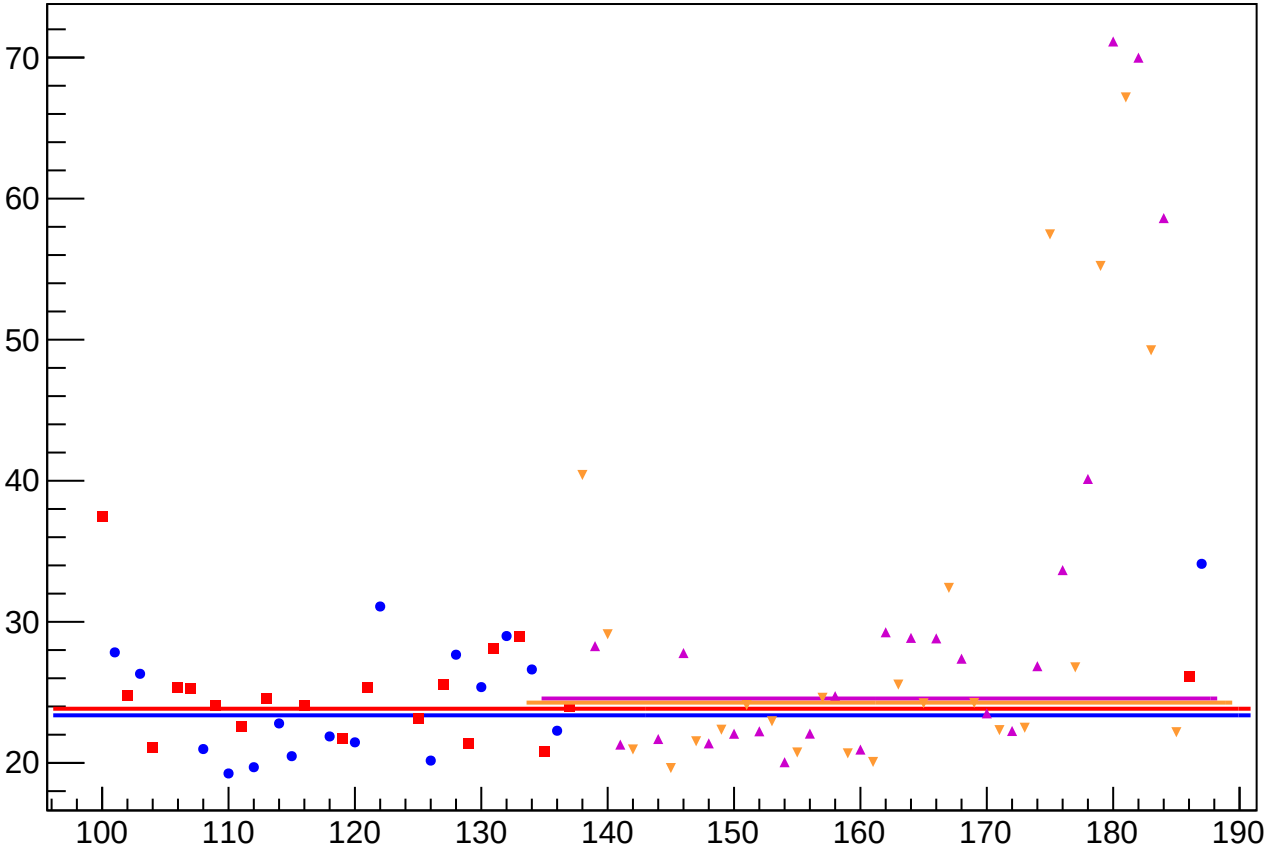
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 24.5/40

All: -0.002+/-0.004 χ^2/NDF: 75.2/82

- sign -0.001+/-0.005 χ^2/NDF: 50.7/41

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.373+/-0.007 χ^2/NDF: 293704.9/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

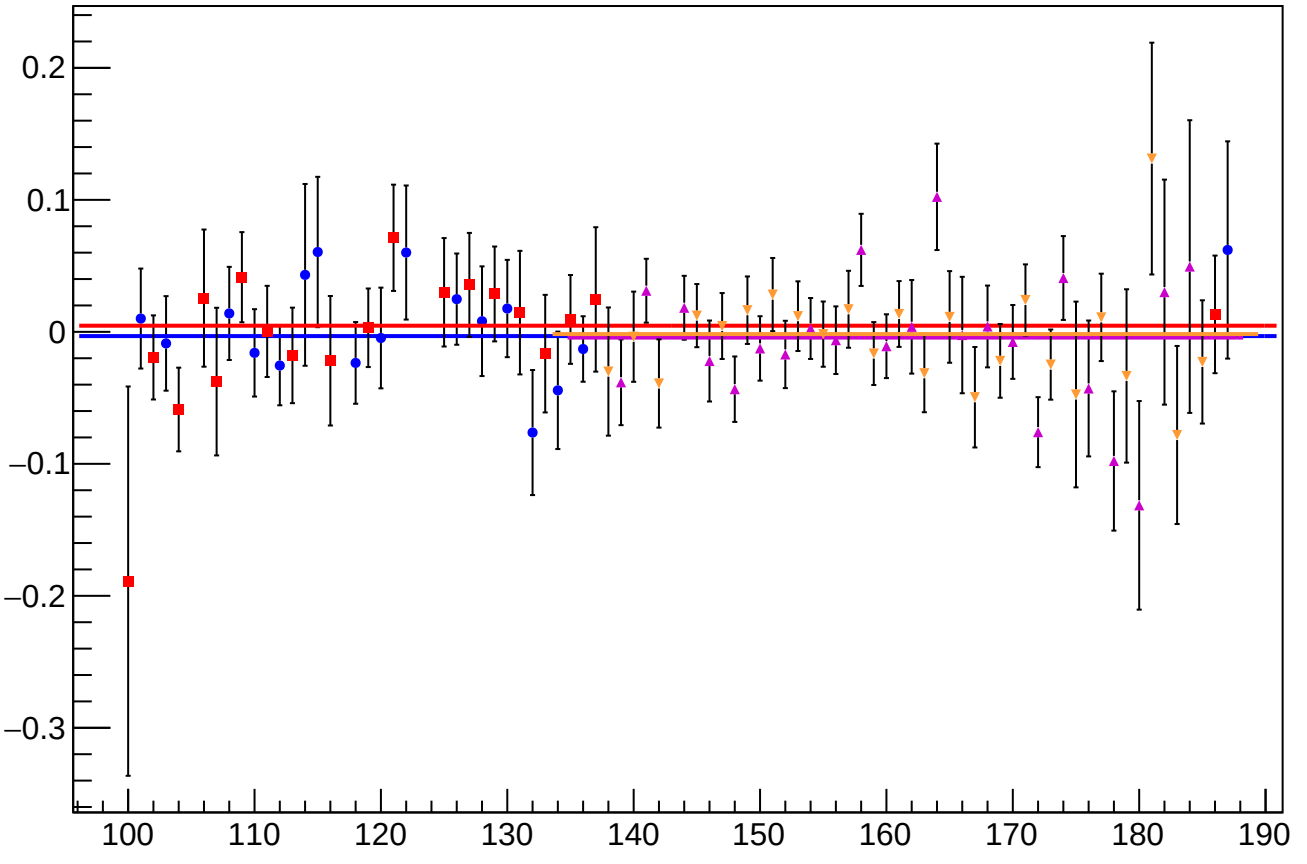
Right Out: 23.841+/-0.006 χ^2/NDF: 131695.7/18

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

\+ sign 23.984+/-0.004 χ^2/NDF: 2617399.3/40

All: 24.155+/-0.003 χ^2/NDF: 4894613.0/82

\- sign 24.327+/-0.004 χ^2/NDF: 2272929.9/41



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

Left Out: -0.002+/-0.006 χ^2/NDF:14.6/23

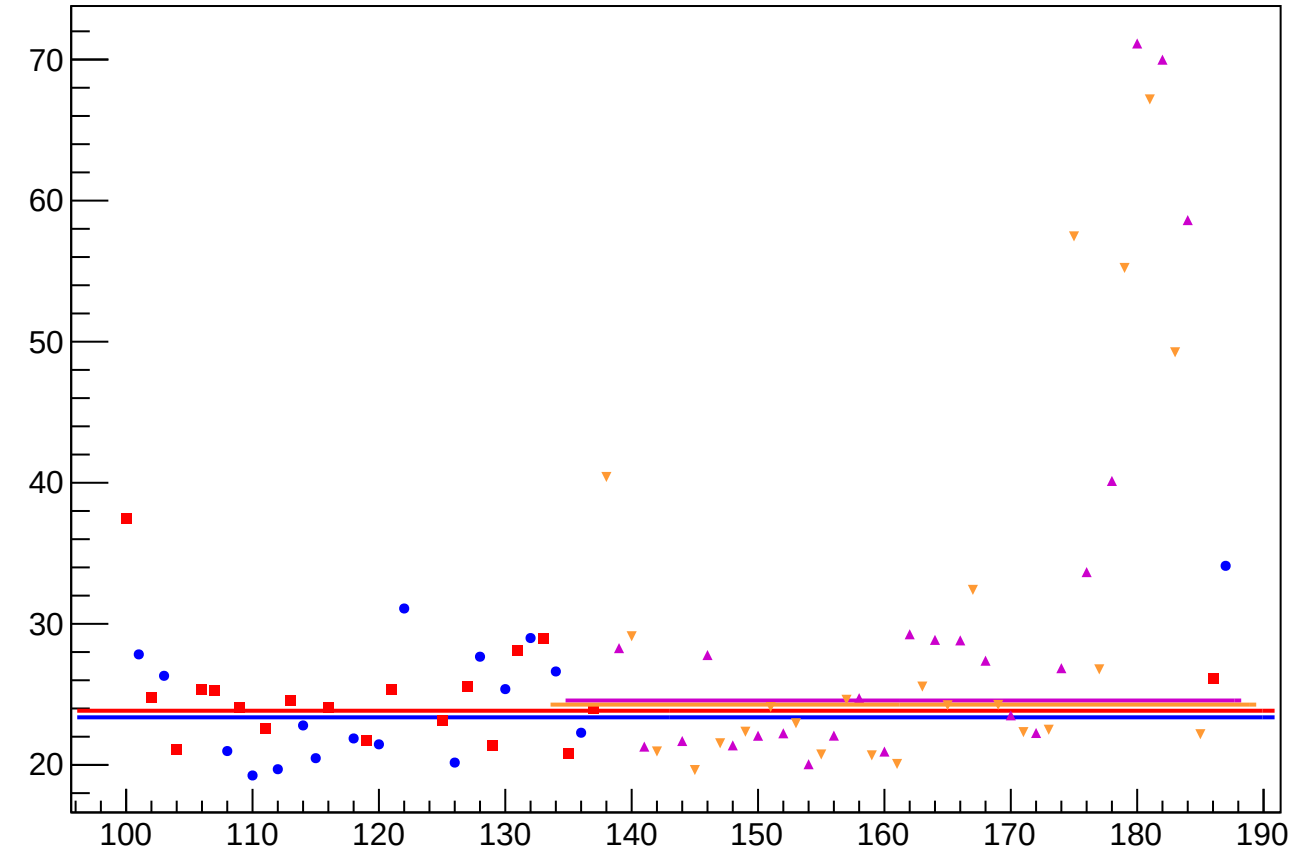
Right Out: 0.005+/-0.009 χ^2/NDF: 13.5/18

Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.005 χ^2/NDF: 24.5/40

All: -0.002+/-0.004 χ^2/NDF: 75.2/82

- sign -0.001+/-0.005 χ^2/NDF: 50.7/41



Right In: 23.373+/-0.007 χ^2/NDF: 293704.9/16

Left Out: 24.275+/-0.004 χ^2/NDF:2310684.7/23

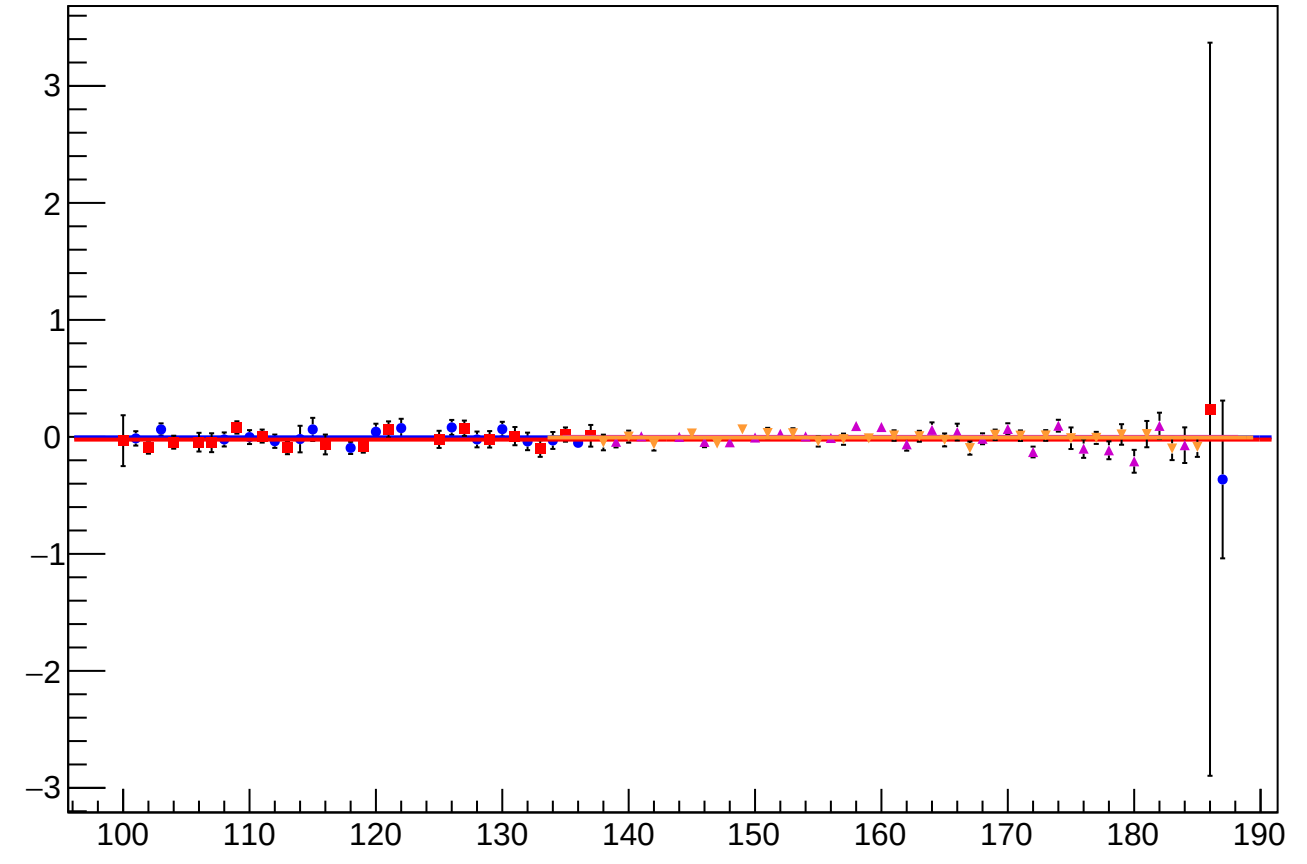
Right Out: 23.841+/-0.006 χ^2/NDF: 131695.7/18

Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

+ sign 23.984+/-0.004 χ^2/NDF: 2617399.3/40

All: 24.155+/-0.003 χ^2/NDF: 4894613.0/82

- sign 24.327+/-0.004 χ^2/NDF: 2272929.9/41



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/16

Left Out: -0.005+/-0.010 χ^2/NDF:13.9/23

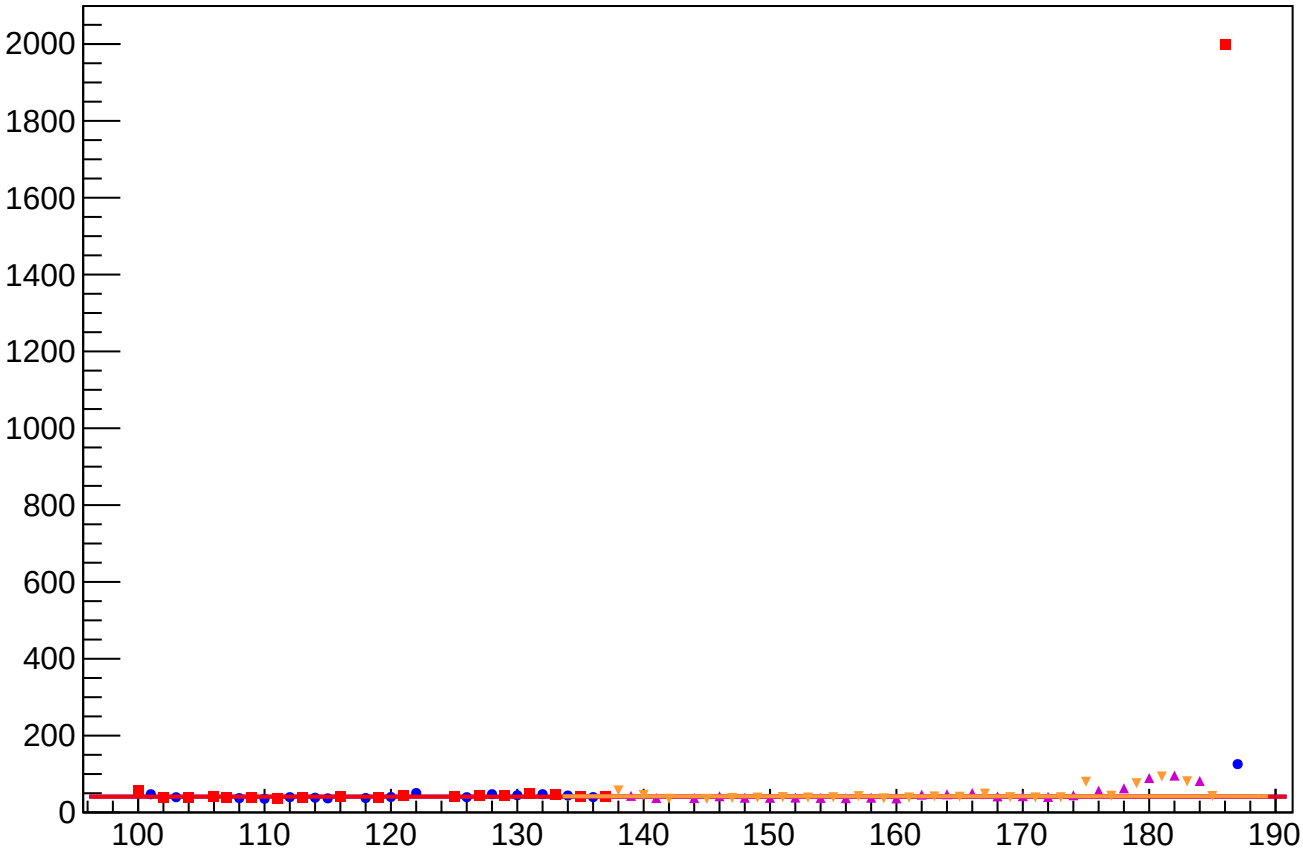
Right Out: -0.023+/-0.016 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.005+/-0.009 χ^2/NDF: 25.8/40

All: -0.006+/-0.006 χ^2/NDF: 80.7/82

- sign -0.007+/-0.009 χ^2/NDF: 54.9/41



Right In: 41.287+/-0.011 χ^2/NDF: 166687.5/16

Left Out: 42.088+/-0.007 χ^2/NDF:1716037.6/23

Right Out: 41.103+/-0.011 χ^2/NDF: 877127.0/18

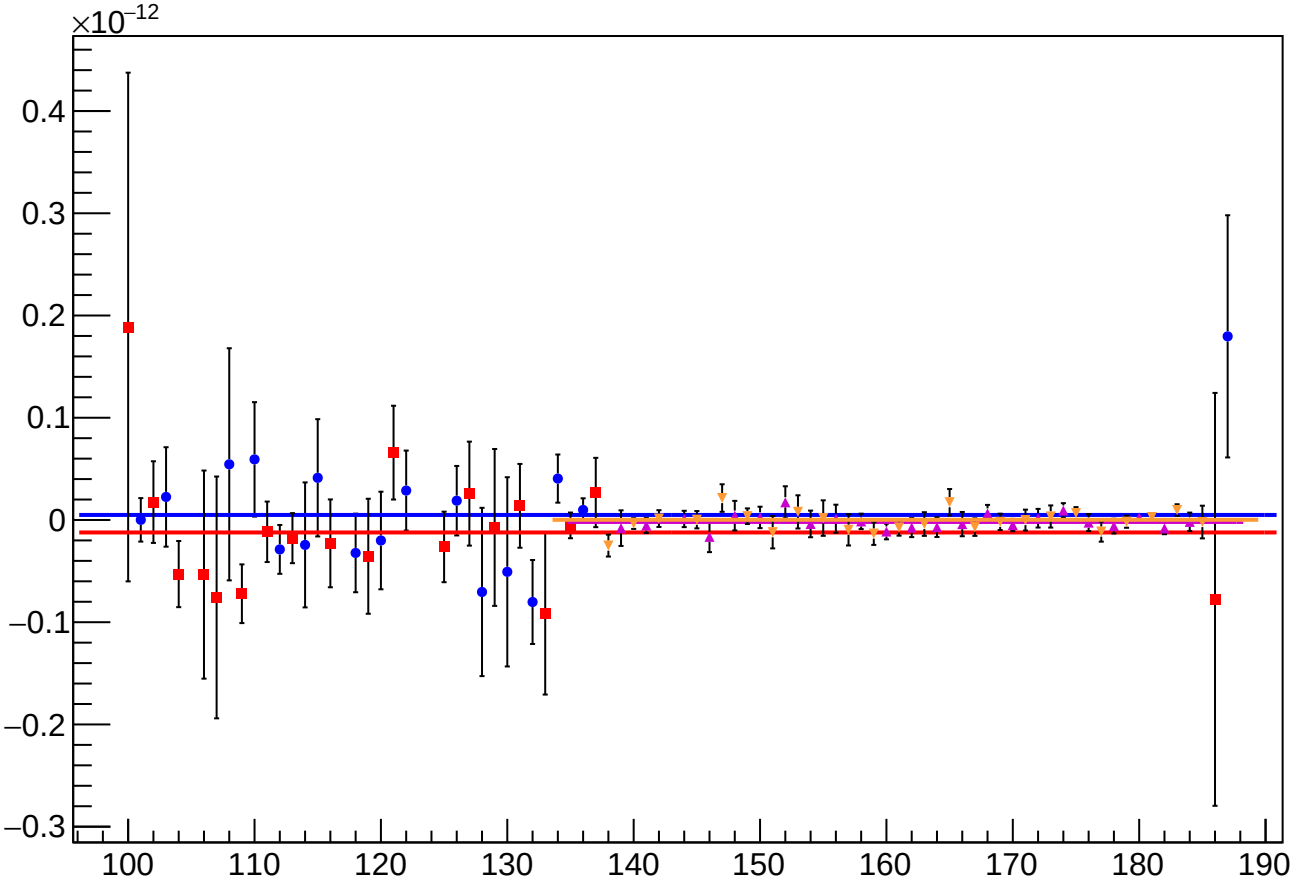
Left In: 42.078+/-0.007 χ^2/NDF:1543481.3/22

+ sign 41.845+/-0.006 χ^2/NDF: 1886334.0/40

All: 41.810+/-0.004 χ^2/NDF: 4312462.7/82

- sign 41.775+/-0.006 χ^2/NDF: 2426064.1/41

asym_us_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/23

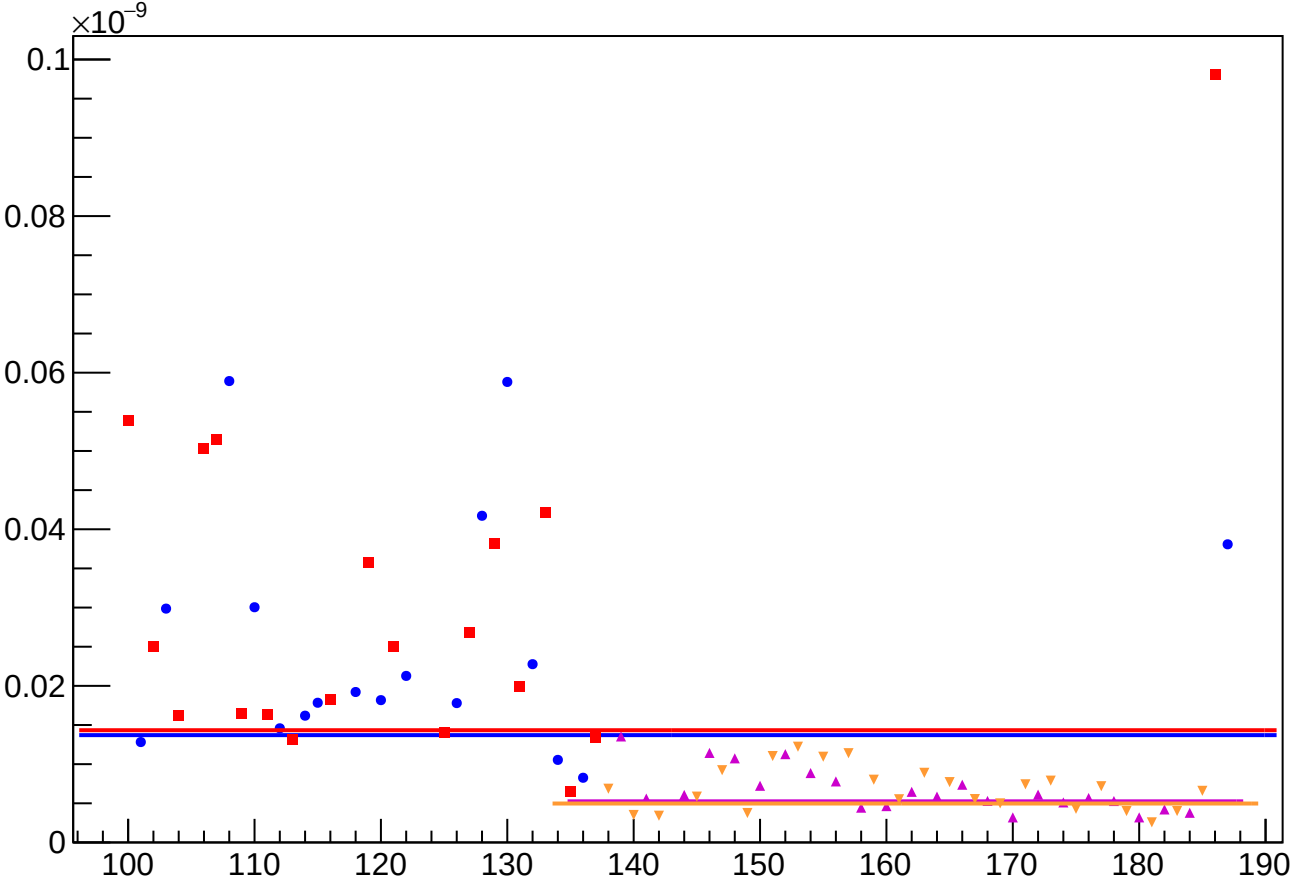
Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/40

All: -0.000+/-0.000 χ^2/NDF: 66.9/82

- sign -0.000+/-0.000 χ^2/NDF: 28.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 2273631.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3536964.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2816114.5/18

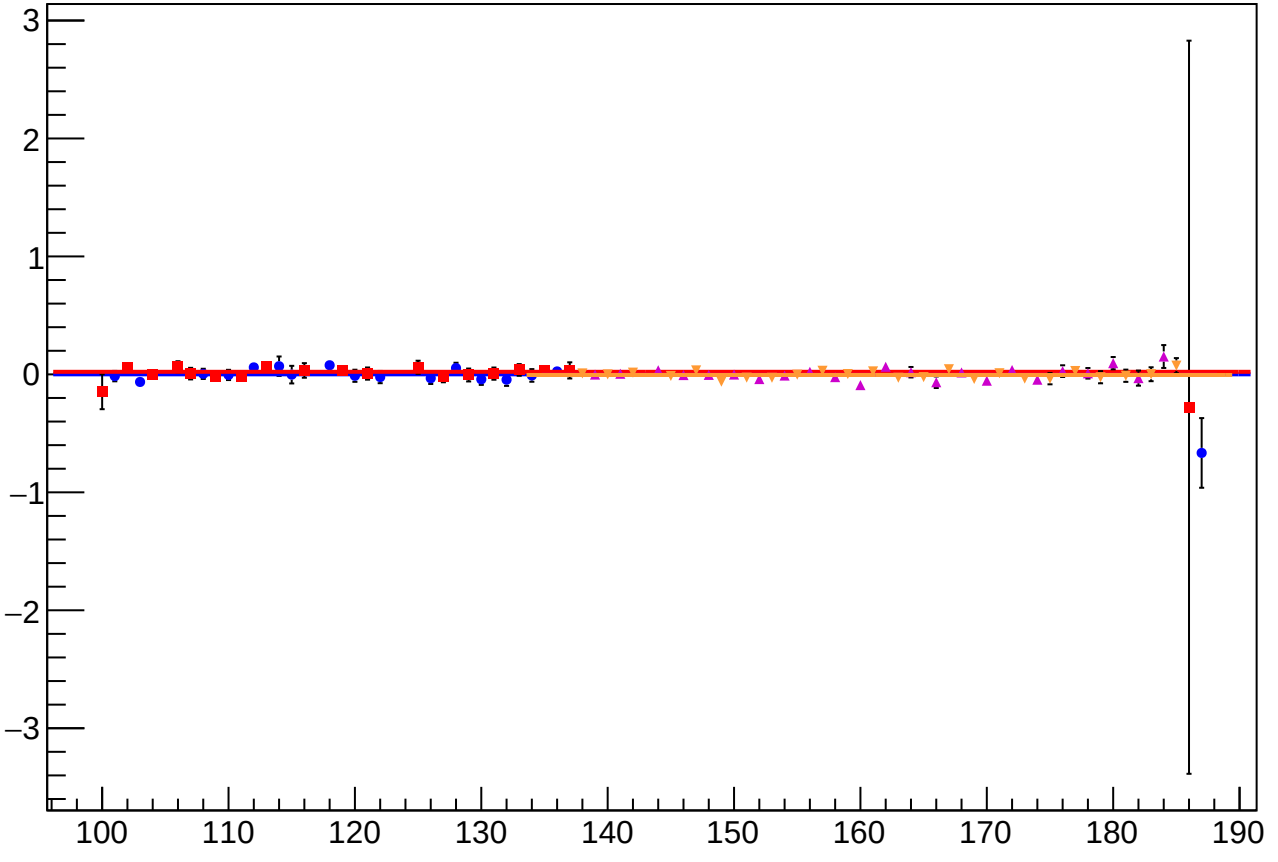
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8487495.0/40

All: 0.000+/-0.000 χ^2/NDF: 16546015.0/82

- sign 0.000+/-0.000 χ^2/NDF: 8029800.4/41

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.011 χ^2/NDF: 20.4/16

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/18

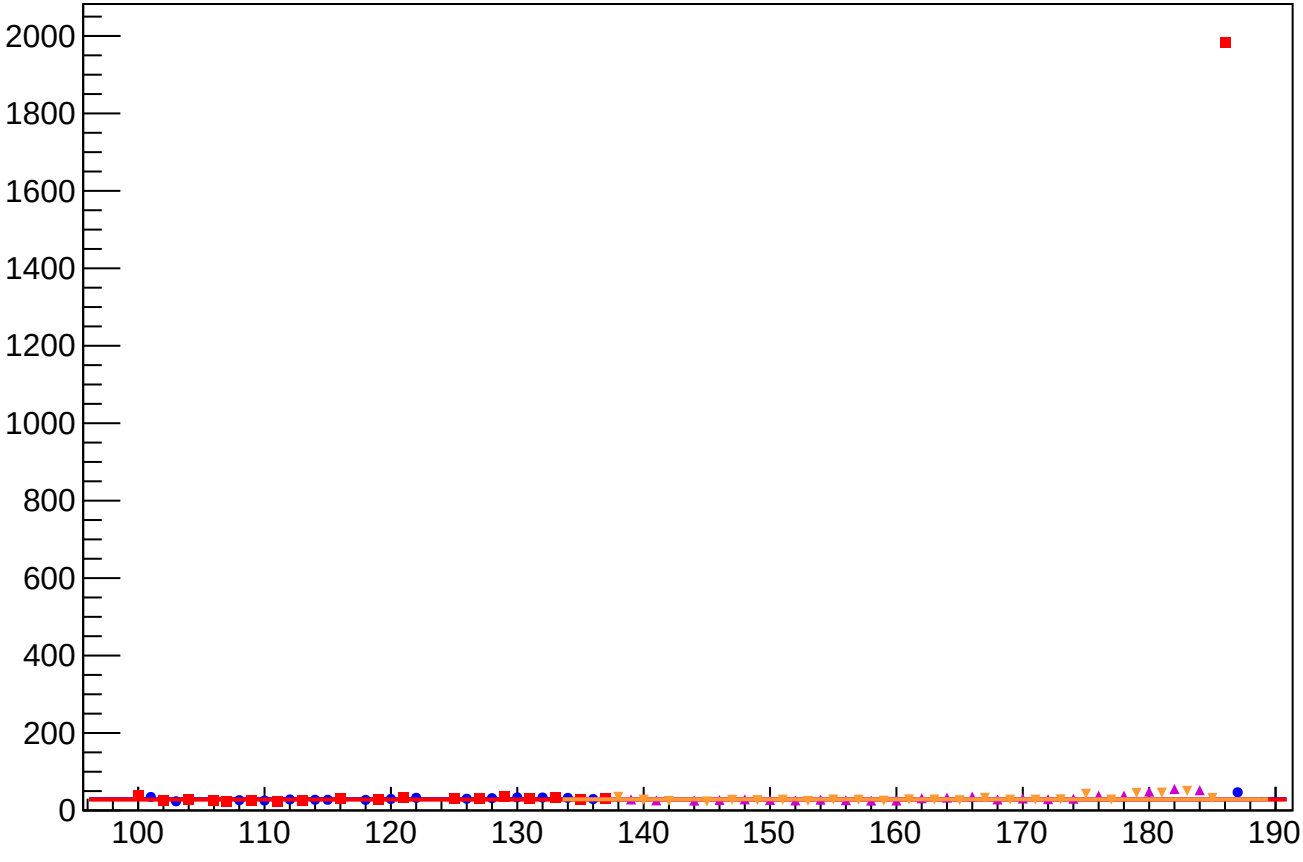
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.004+/-0.006 χ^2/NDF: 37.3/40

All: 0.000+/-0.004 χ^2/NDF: 82.3/82

- sign 0.004+/-0.006 χ^2/NDF: 44.3/41

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 29.171+/-0.008 χ^2/NDF: 184103.0/16

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

Right Out: 28.164+/-0.008 χ^2/NDF: 977870.5/18

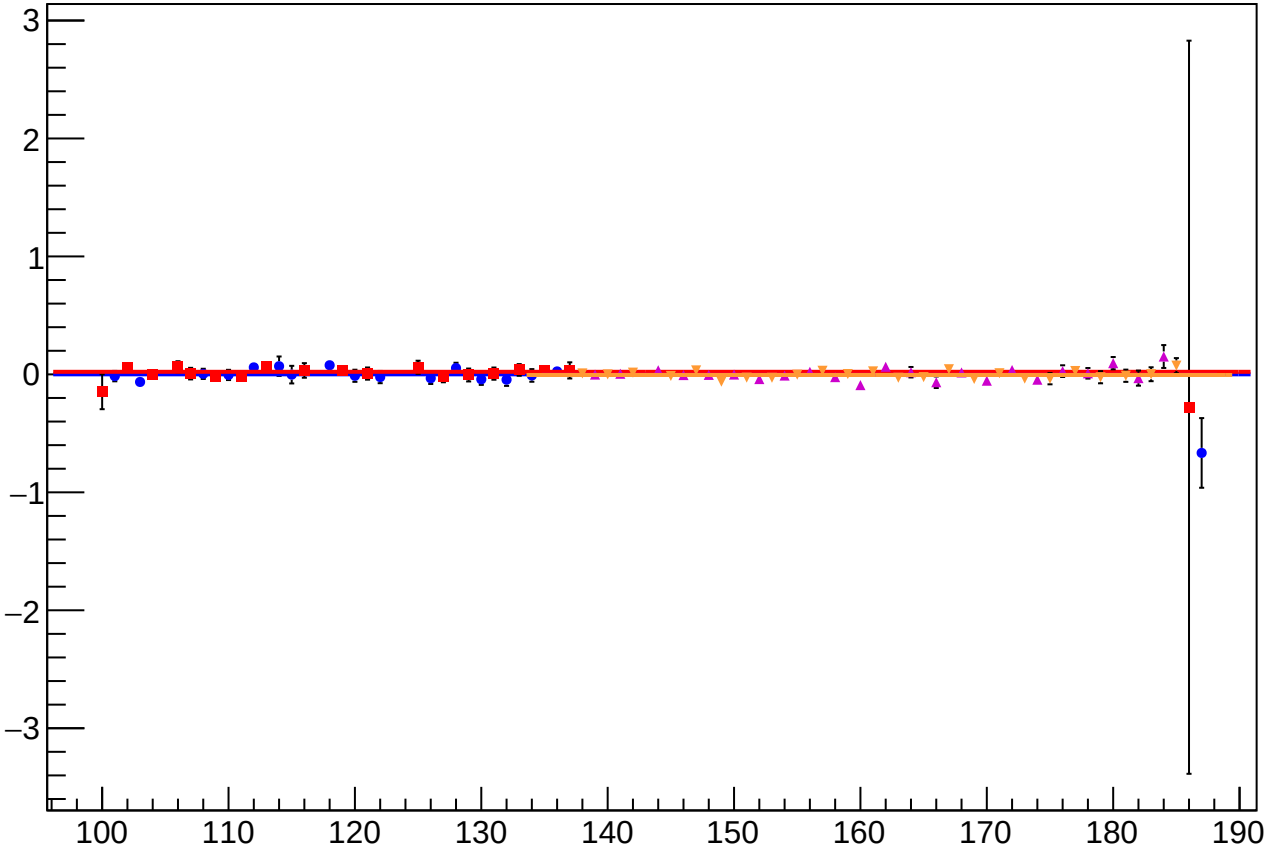
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.892+/-0.004 χ^2/NDF: 1356442.2/40

All: 28.906+/-0.003 χ^2/NDF: 3488865.0/82

- sign 28.919+/-0.004 χ^2/NDF: 2132401.9/41

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.011 χ^2/NDF: 20.4/16

Left Out: -0.005+/-0.007 χ^2/NDF:16.7/23

Right Out: 0.022+/-0.011 χ^2/NDF: 9.0/18

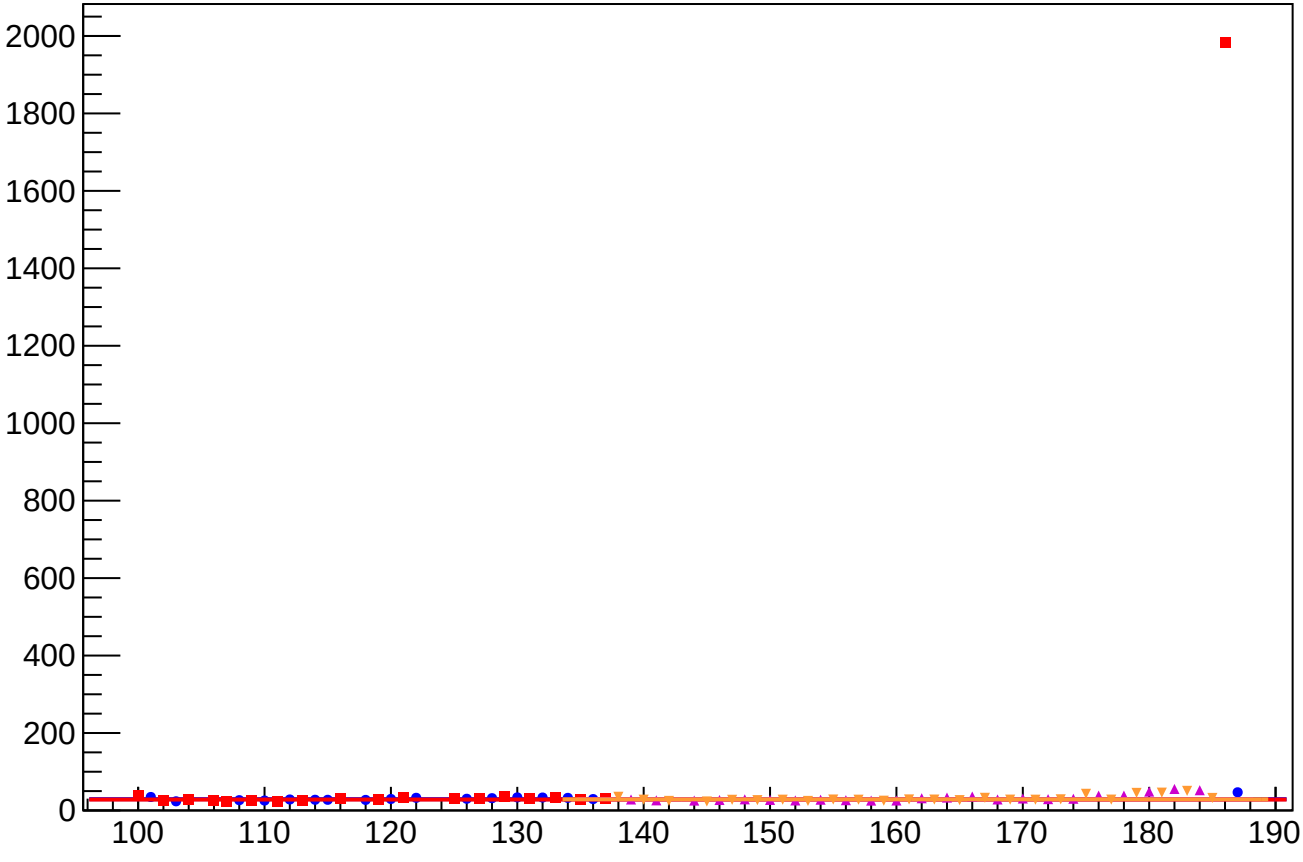
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.004+/-0.006 χ^2/NDF: 37.3/40

All: 0.000+/-0.004 χ^2/NDF: 82.3/82

- sign 0.004+/-0.006 χ^2/NDF: 44.3/41

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 29.171+/-0.008 χ^2/NDF: 184103.0/16

Left Out: 28.781+/-0.005 χ^2/NDF:1170605.8/23

Right Out: 28.164+/-0.008 χ^2/NDF: 977870.5/18

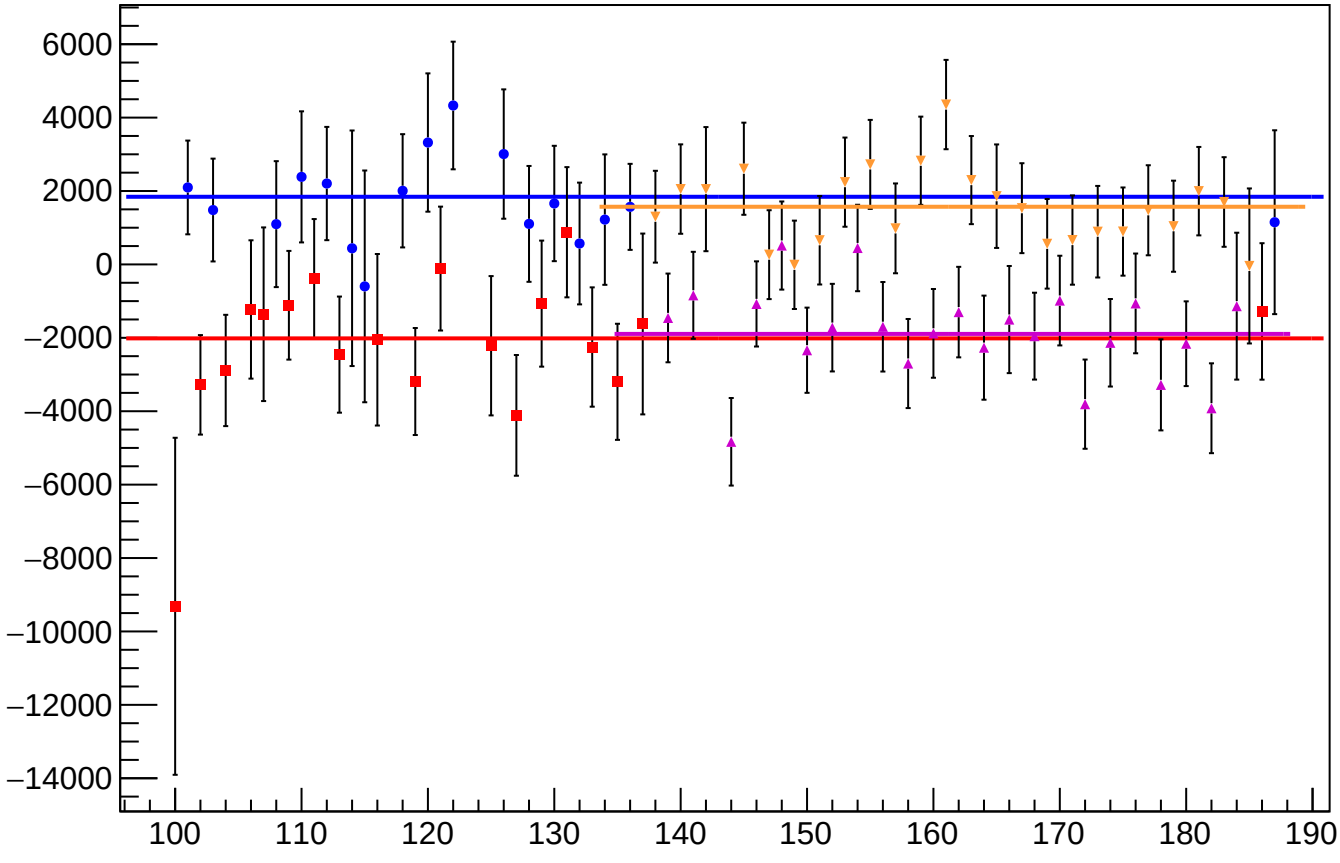
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 28.892+/-0.004 χ^2/NDF: 1356442.2/40

All: 28.906+/-0.003 χ^2/NDF: 3488865.0/82

- sign 28.919+/-0.004 χ^2/NDF: 2132401.9/41

reg_asym_usl_mean vs Slug



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -2015.264+/-399.679 χ^2/NDF: 12.7/18

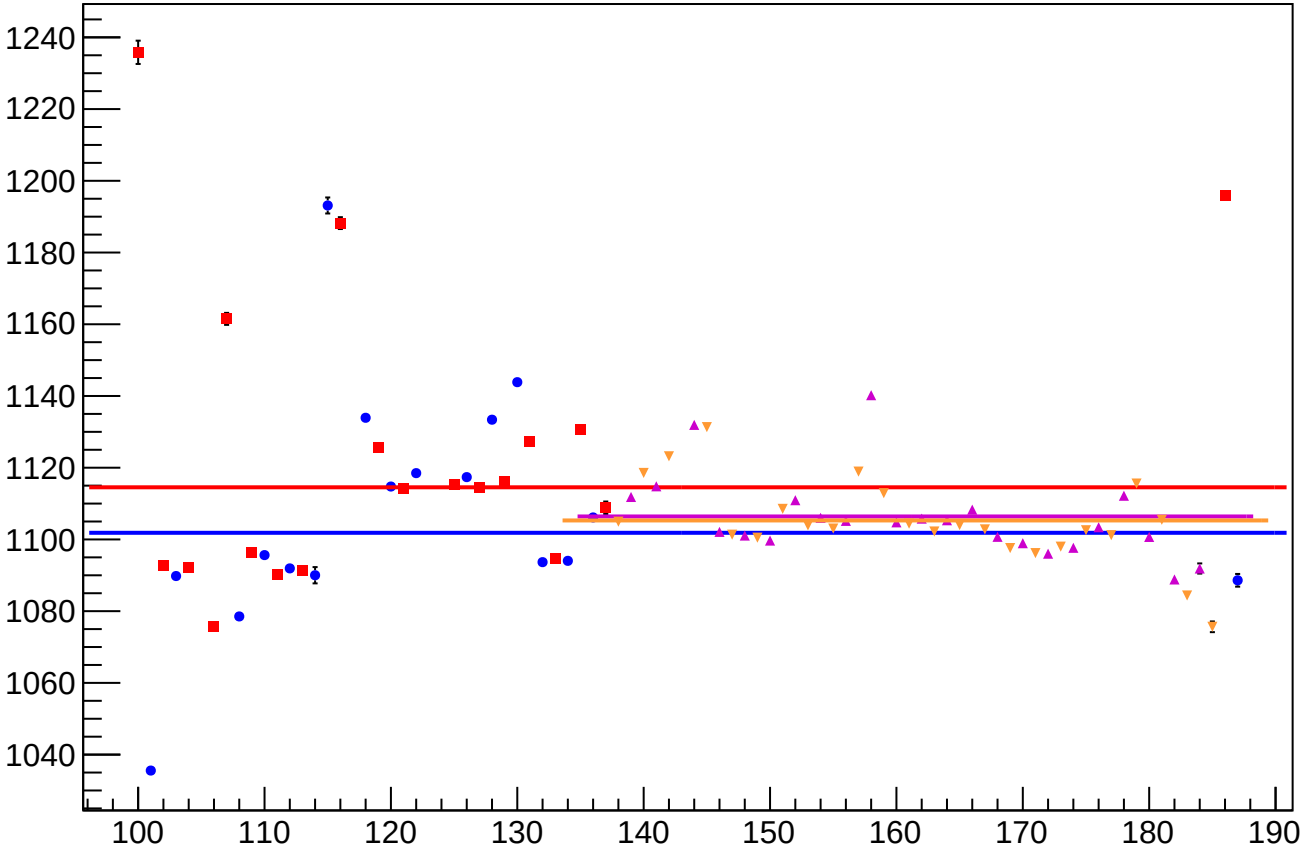
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1649.156+/-216.588 χ^2/NDF: 21.1/40

All: -136.972+/-153.283 χ^2/NDF: 194.2/82

- sign -1929.273+/-216.962 χ^2/NDF: 36.9/41

reg_asym_usl_rms vs Slug



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

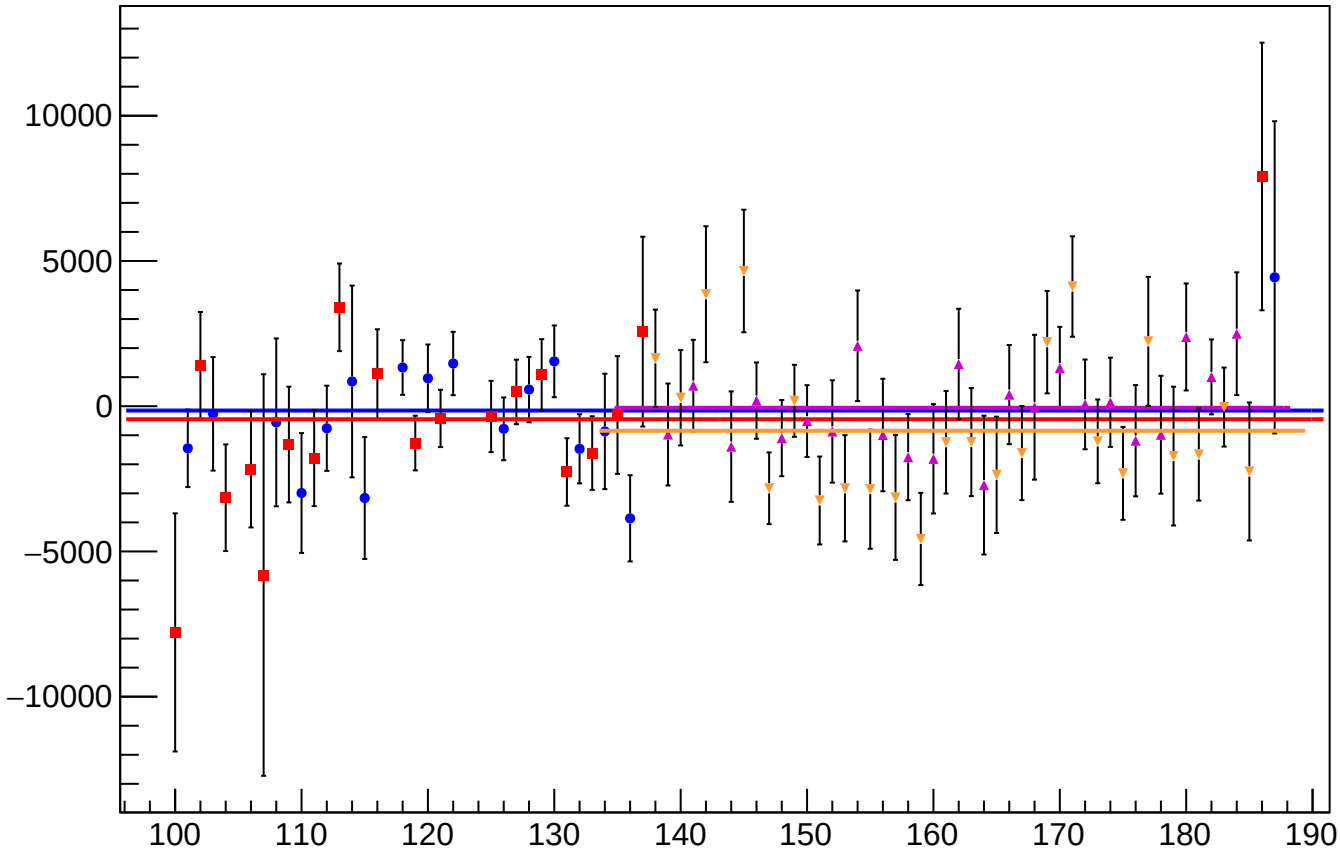
Right Out: 1114.536+/-0.283 χ^2/NDF: 11716.2/18

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1104.305+/-0.153 χ^2/NDF: 14671.6/40

All: 1106.549+/-0.108 χ^2/NDF: 31178.2/82

- sign 1108.801+/-0.153 χ^2/NDF: 16076.5/41



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -448.284+/-344.090 χ^2/NDF: 26.6/18

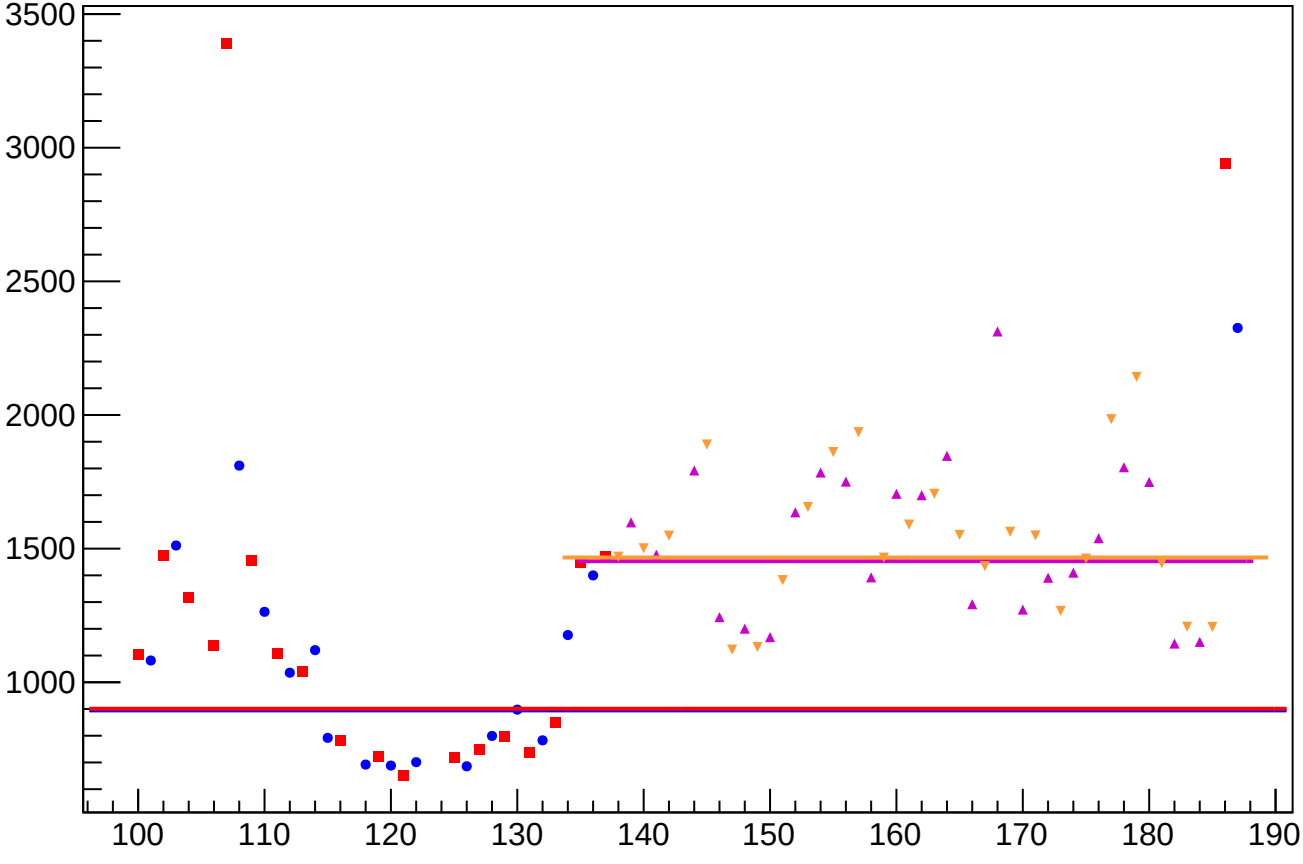
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -494.162+/-244.681 χ^2/NDF: 67.9/40

All: -372.921+/-172.763 χ^2/NDF: 108.7/82

- sign -252.384+/-243.968 χ^2/NDF: 40.3/41

asym_usl_reg_correction_rms vs Slug



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 900.915+/-0.243 χ^2/NDF: 1739558.3/18

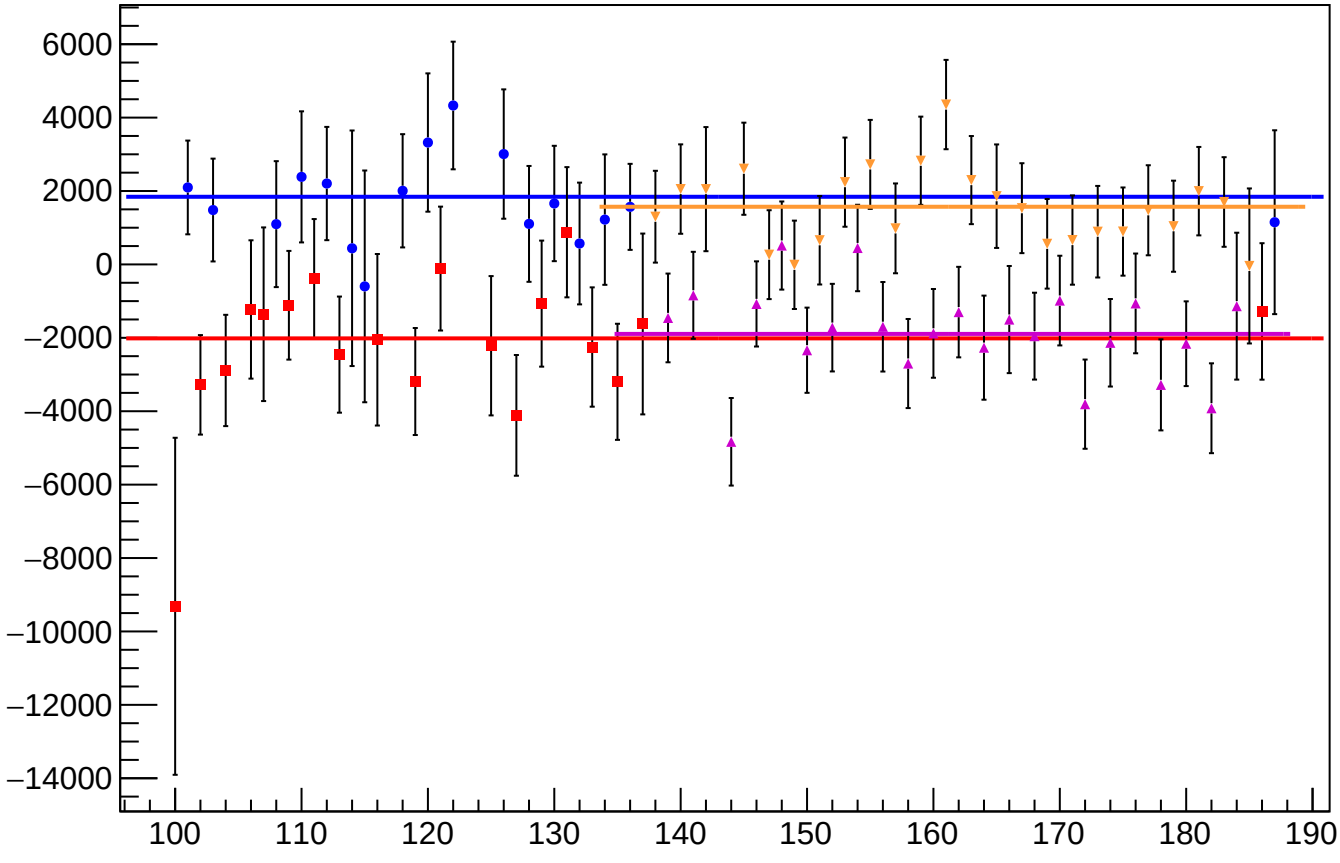
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1178.695+/-0.173 χ^2/NDF: 5050606.3/40

All: 1177.068+/-0.122 χ^2/NDF: 10480131.3/8

- sign 1175.451+/-0.173 χ^2/NDF: 5429348.7/41

cor_asym_usl_mean vs Slug



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -2015.264+/-399.679 χ^2/NDF: 12.7/18

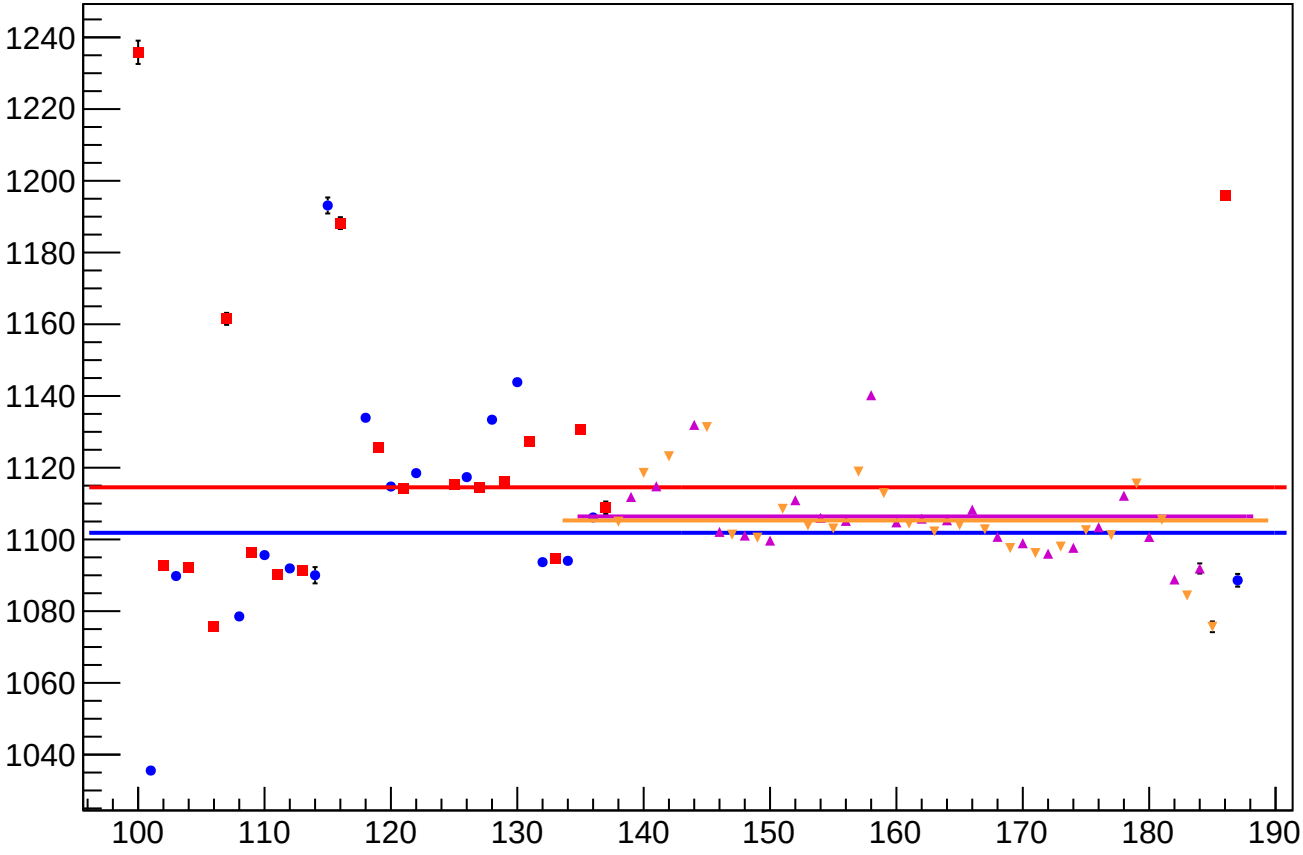
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1649.156+/-216.588 χ^2/NDF: 21.1/40

All: -136.972+/-153.283 χ^2/NDF: 194.2/82

- sign -1929.273+/-216.962 χ^2/NDF: 36.9/41

cor_asym_usl_rms vs Slug



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

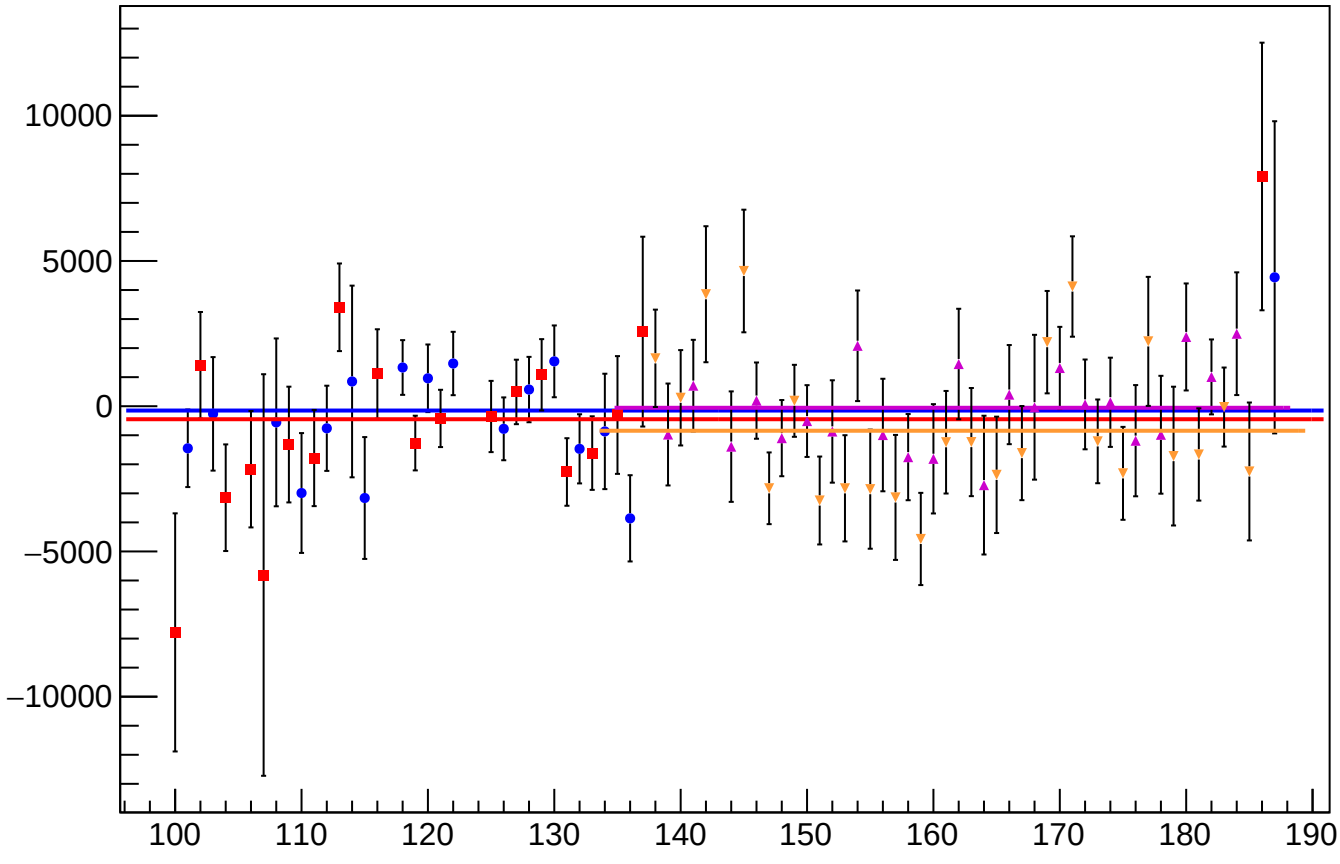
Right Out: 1114.536+/-0.283 χ^2/NDF: 11716.2/18

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1104.305+/-0.153 χ^2/NDF: 14671.6/40

All: 1106.549+/-0.108 χ^2/NDF: 31178.2/82

- sign 1108.801+/-0.153 χ^2/NDF: 16076.5/41



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -448.284+/-344.090 χ^2/NDF: 26.6/18

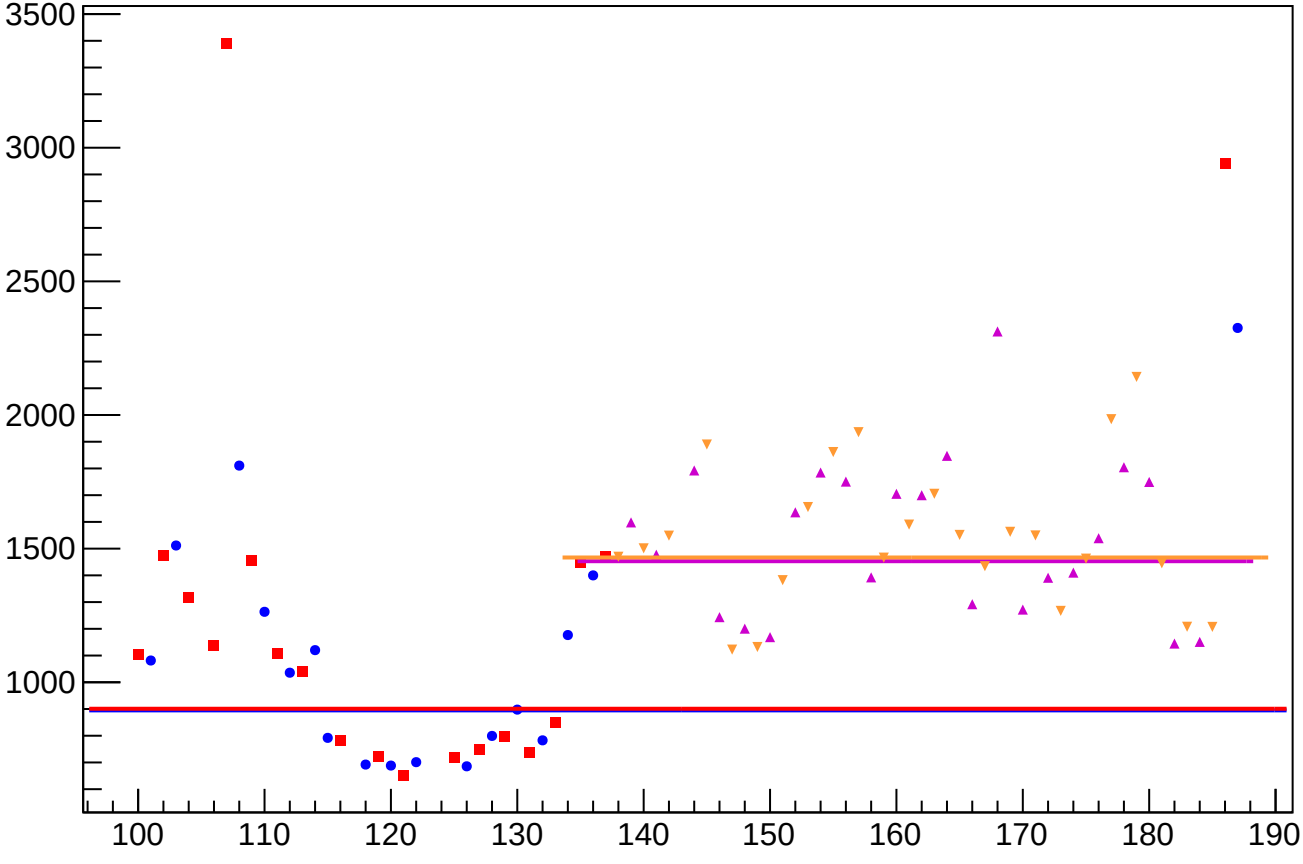
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -494.162+/-244.681 χ^2/NDF: 67.9/40

All: -372.921+/-172.763 χ^2/NDF: 108.7/82

- sign -252.384+/-243.968 χ^2/NDF: 40.3/41

asym_usl_cor_correction_rms vs Slug



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

Right Out: 900.915+/-0.243 χ^2/NDF: 1739558.3/18

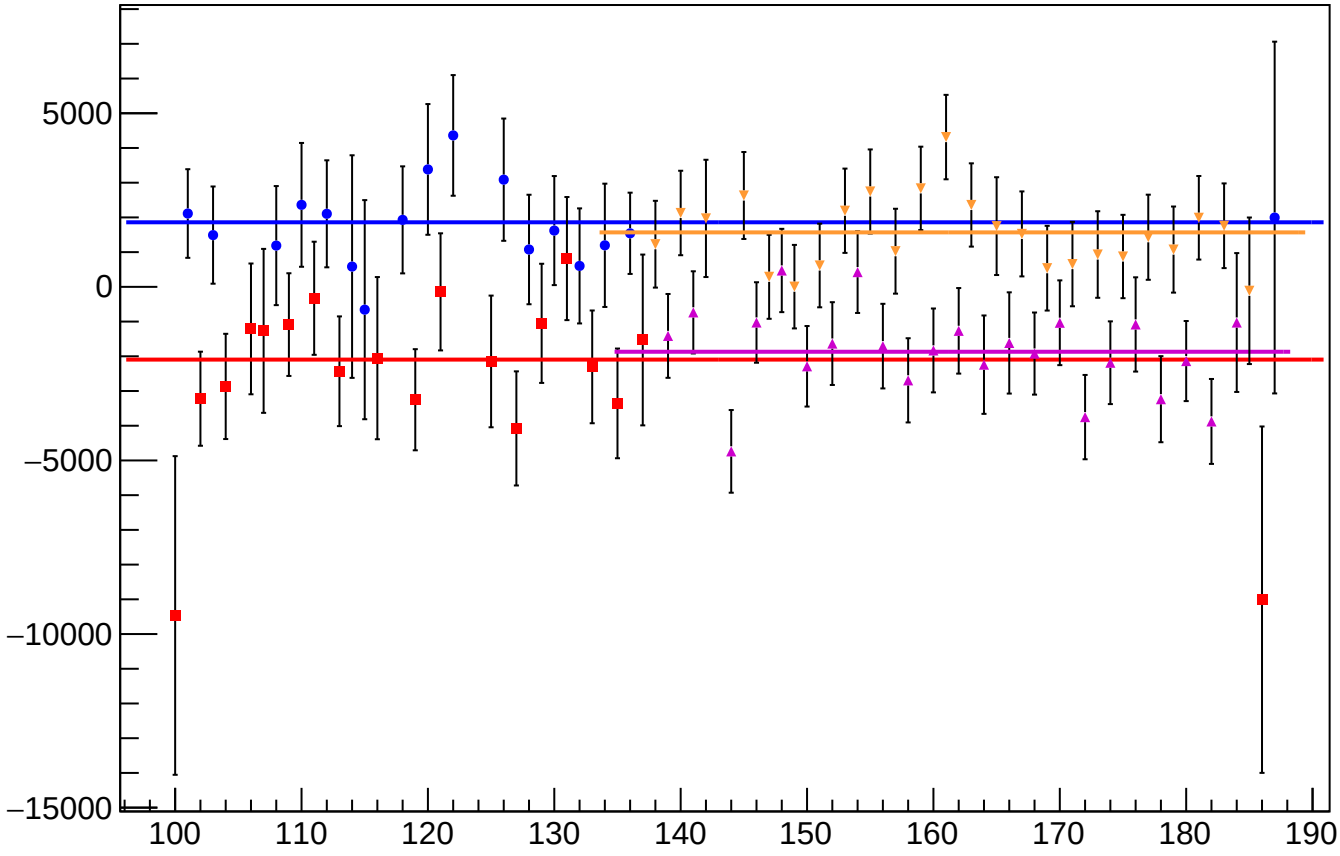
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1178.695+/-0.173 χ^2/NDF: 5050606.3/40

All: 1177.068+/-0.122 χ^2/NDF: 10480131.3/8

- sign 1175.451+/-0.173 χ^2/NDF: 5429348.7/41

overload_cor_asym_usl_mean vs Slug



Right In: 1859.573+/-407.842 χ^2/NDF: 5.4/16

Left Out: 1568.786+/-256.294 χ^2/NDF:15.4/23

Right Out: -2095.132+/-407.527 χ^2/NDF: 14.7/18

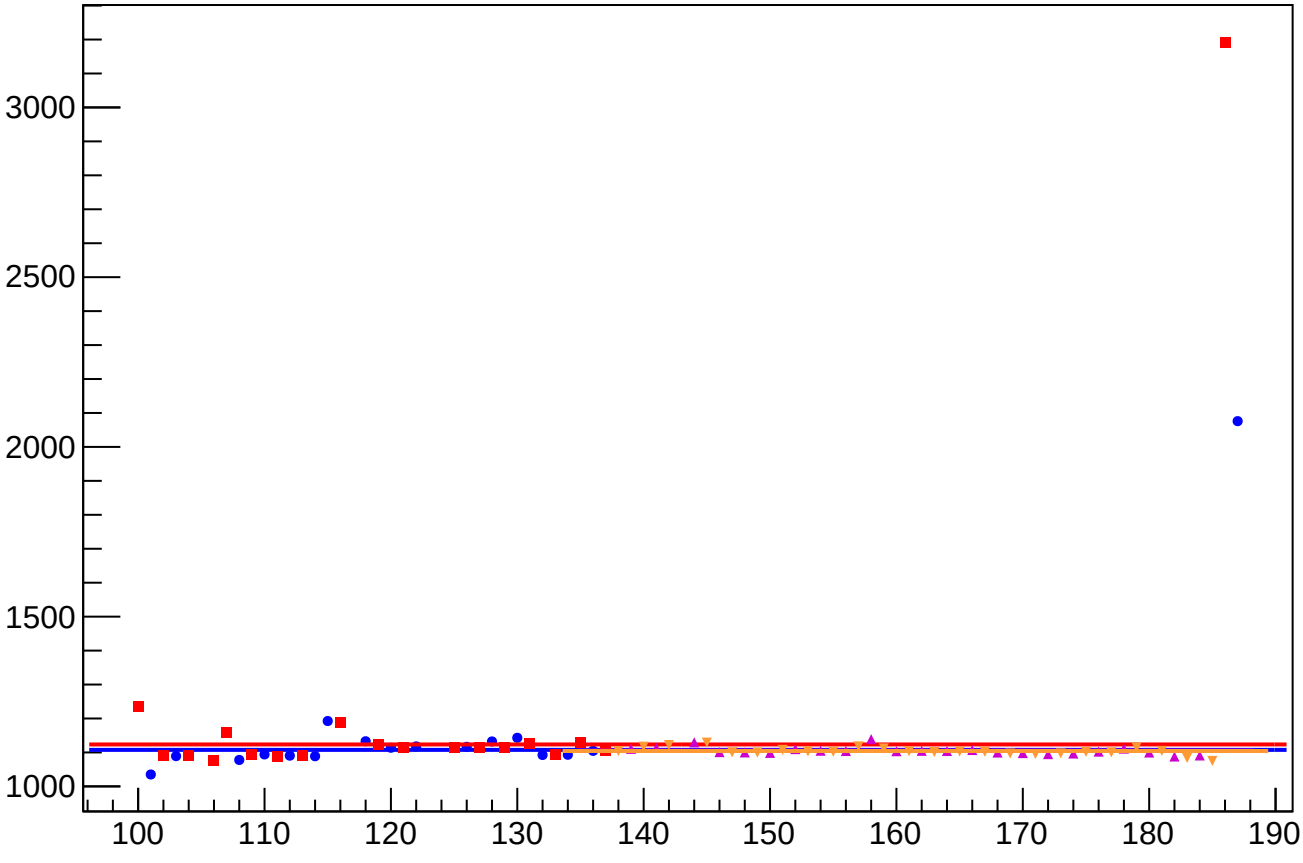
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1651.109+/-217.003 χ^2/NDF: 21.2/40

All: -132.831+/-153.812 χ^2/NDF: 195.3/82

- sign -1933.981+/-218.047 χ^2/NDF: 38.3/41

overload_cor_asym_usl_rms vs Slug



Right In: 1107.572+/-0.288 χ^2/NDF: 84862.0/16

Left Out: 1104.258+/-0.181 χ^2/NDF:2999.2/23

Right Out: 1123.513+/-0.288 χ^2/NDF: 353236.4/18

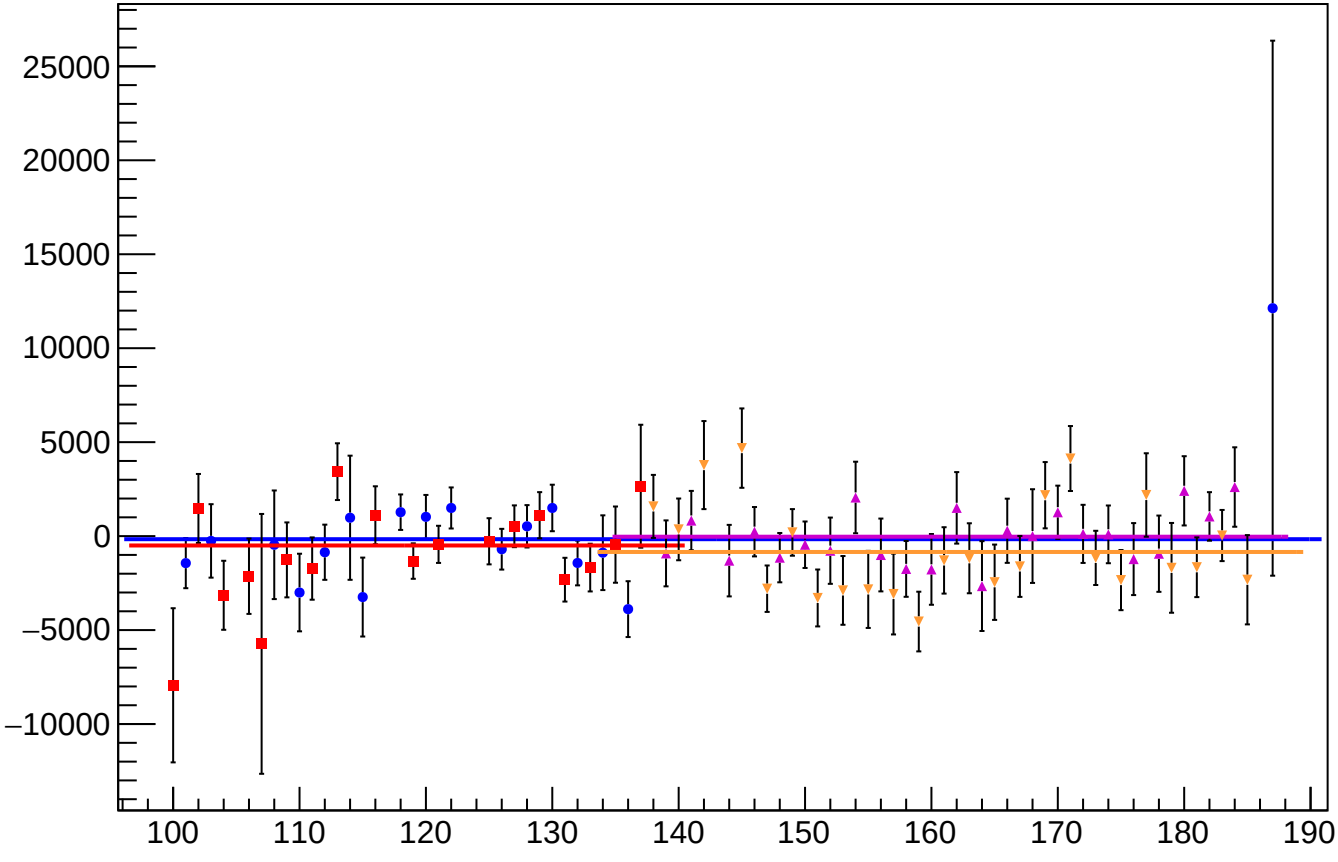
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1105.196+/-0.153 χ^2/NDF: 87955.9/40

All: 1107.871+/-0.109 χ^2/NDF: 448289.9/82

- sign 1110.571+/-0.154 χ^2/NDF: 359723.4/41

asym_usl_overload_cor_correction_mean vs Slug



Right In: -163.668+/-345.878 χ^2/NDF: 21.7/16

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

Right Out: -497.957+/-345.565 χ^2/NDF: 23.9/17

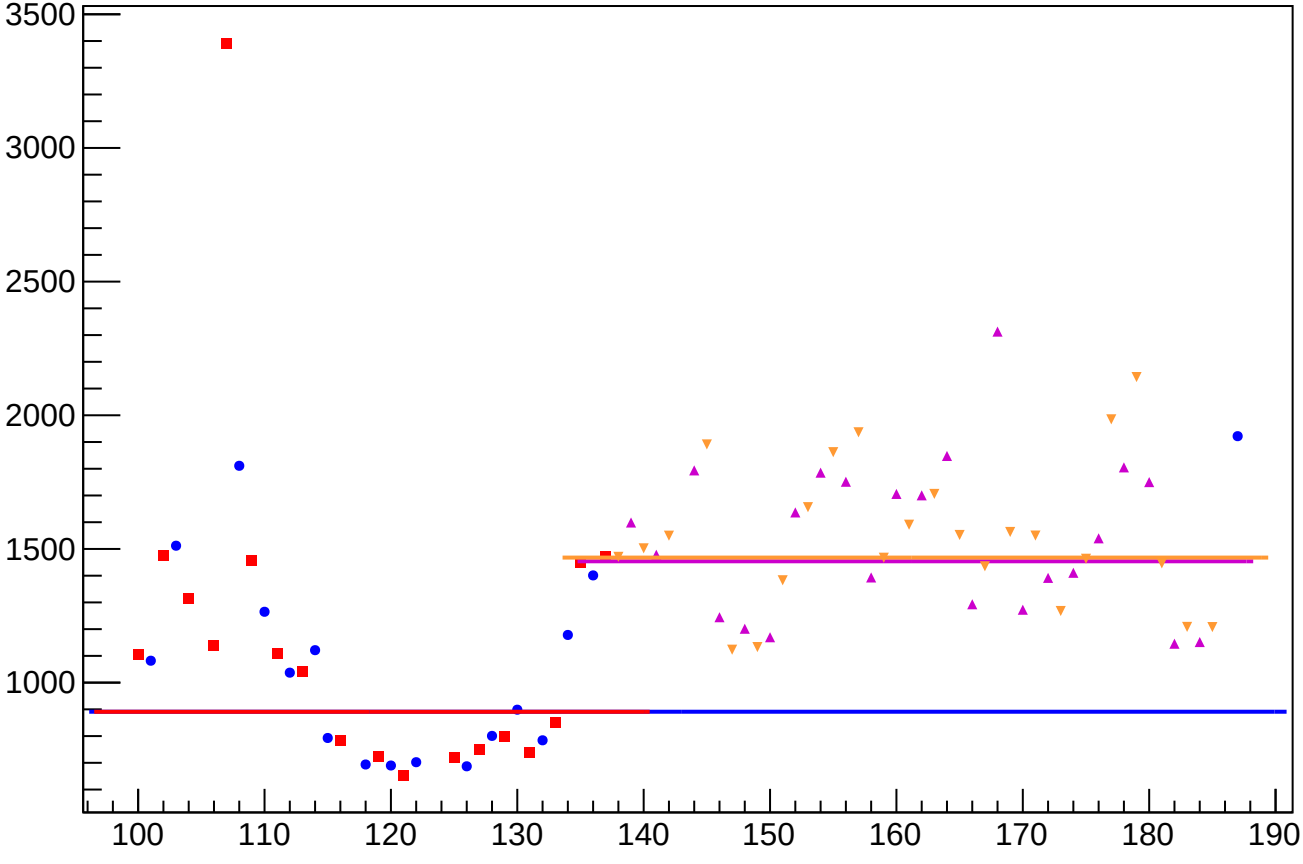
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -501.847+/-245.158 χ^2/NDF: 67.6/40

All: -383.170+/-173.141 χ^2/NDF: 106.0/81

- sign -265.070+/-244.560 χ^2/NDF: 37.9/40

asym_usl_overload_cor_correction_rms vs Slug



Right In: 891.103+/-0.245 χ^2/NDF: 1139231.6/16

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 890.938+/-0.244 χ^2/NDF: 1341804.2/17

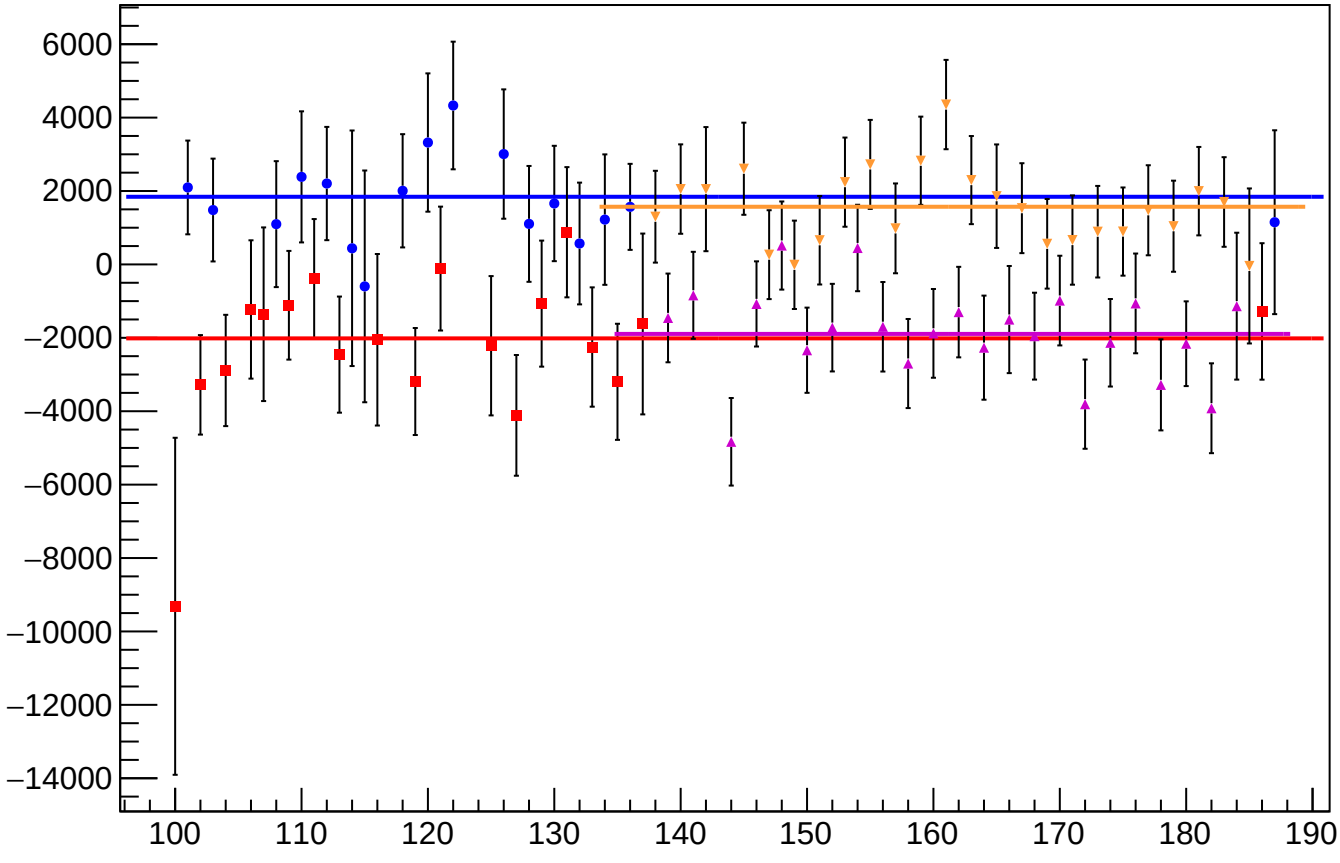
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1178.020+/-0.173 χ^2/NDF: 4946833.7/40

All: 1174.956+/-0.122 χ^2/NDF: 10066089.1/8

- sign 1171.906+/-0.173 χ^2/NDF: 5118631.9/40

eigen_cor_asym_usl_mean vs Slug



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

Left Out: 1571.055+/-256.536 χ^2/NDF:15.4/23

Right Out: -2015.264+/-399.679 χ^2/NDF: 12.7/18

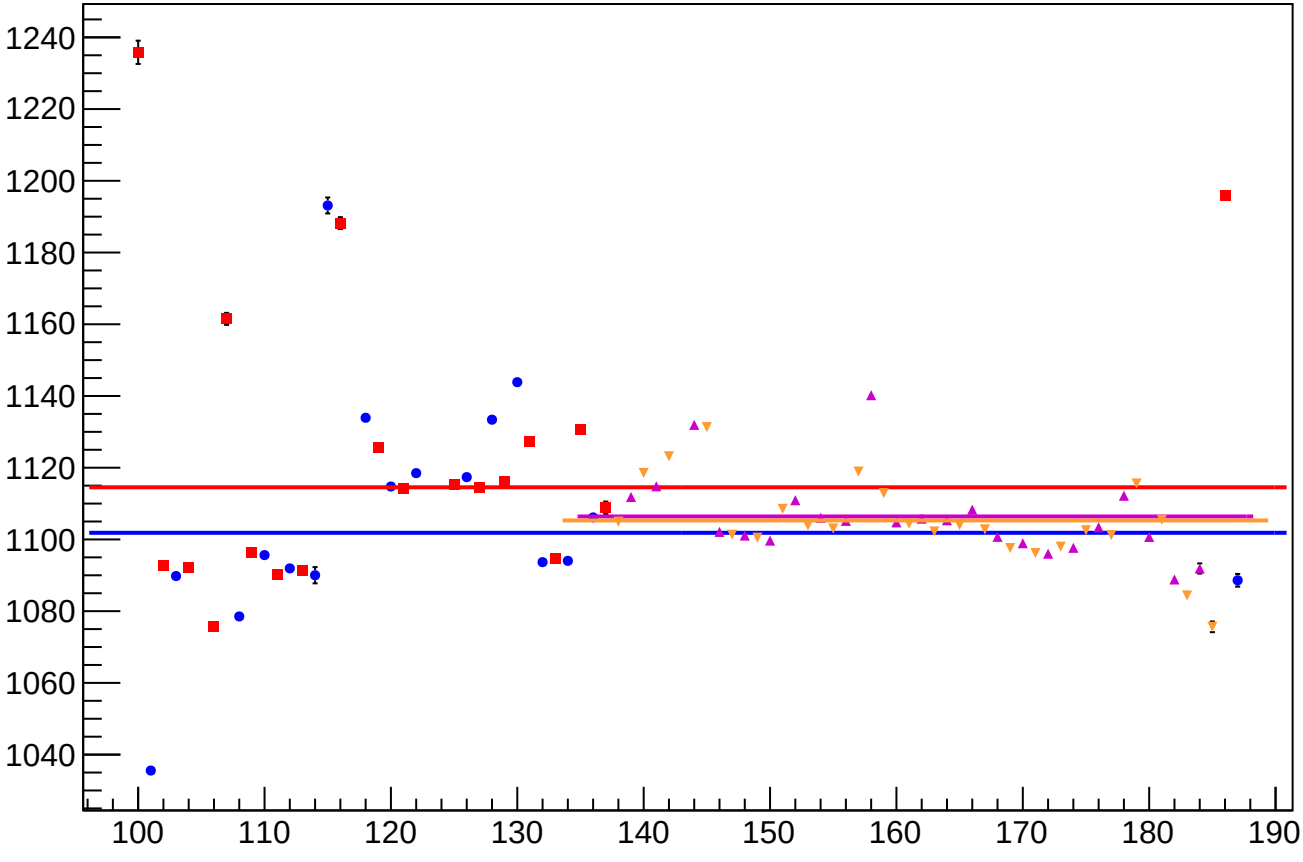
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1649.156+/-216.588 χ^2/NDF: 21.1/40

All: -136.972+/-153.283 χ^2/NDF: 194.2/82

- sign -1929.273+/-216.962 χ^2/NDF: 36.9/41

eigen_cor_asym_usl_rms vs Slug



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

Left Out: 1105.294+/-0.181 χ^2/NDF:3161.8/23

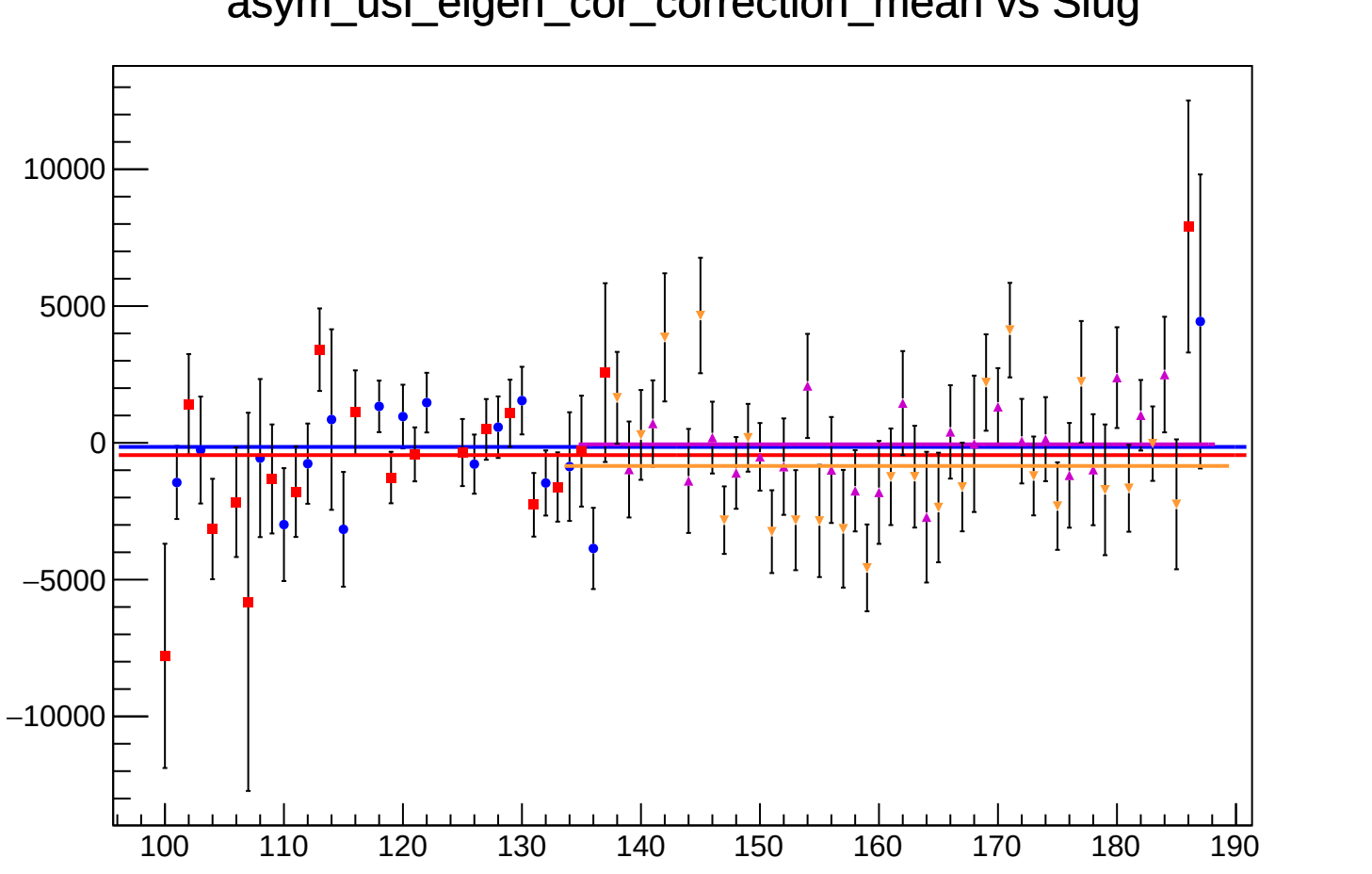
Right Out: 1114.536+/-0.283 χ^2/NDF: 11716.2/18

Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1104.305+/-0.153 χ^2/NDF: 14671.6/40

All: 1106.549+/-0.108 χ^2/NDF: 31178.2/82

- sign 1108.801+/-0.153 χ^2/NDF: 16076.5/41



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

Left Out: -844.649+/-347.346 χ^2/NDF:44.2/23

Right Out: -448.284+/-344.090 χ^2/NDF: 26.6/18

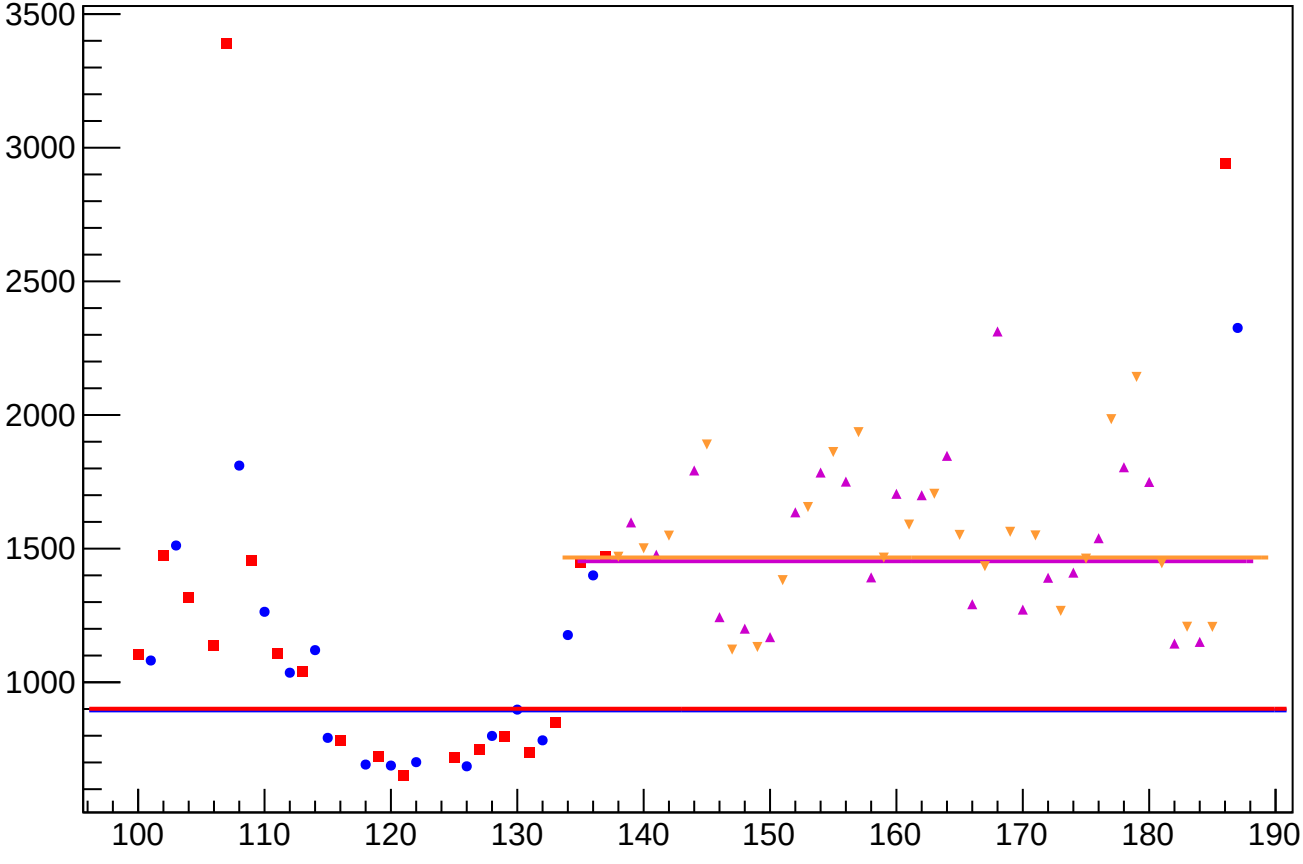
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -494.162+/-244.681 χ^2/NDF: 67.9/40

All: -372.921+/-172.763 χ^2/NDF: 108.7/82

- sign -252.384+/-243.968 χ^2/NDF: 40.3/41

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

Left Out: 1466.846+/-0.246 χ^2/NDF:1043303.8/23

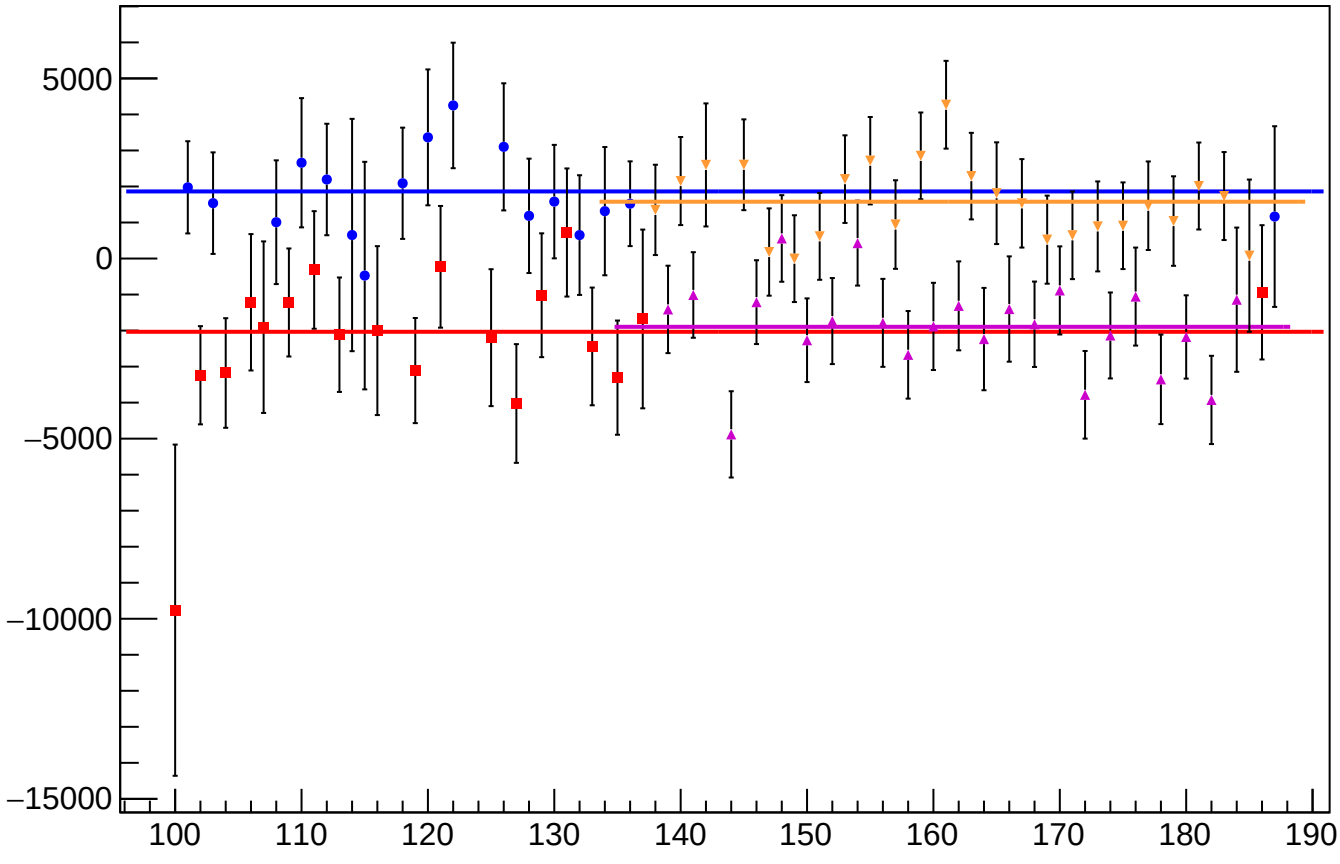
Right Out: 900.915+/-0.243 χ^2/NDF: 1739558.3/18

Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1178.695+/-0.173 χ^2/NDF: 5050606.3/40

All: 1177.068+/-0.122 χ^2/NDF: 10480131.3/8

- sign 1175.451+/-0.173 χ^2/NDF: 5429348.7/41



Right In: 1862.810+/-405.302 χ^2/NDF: 5.3/16

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: -2033.675+/-401.158 χ^2/NDF: 12.7/18

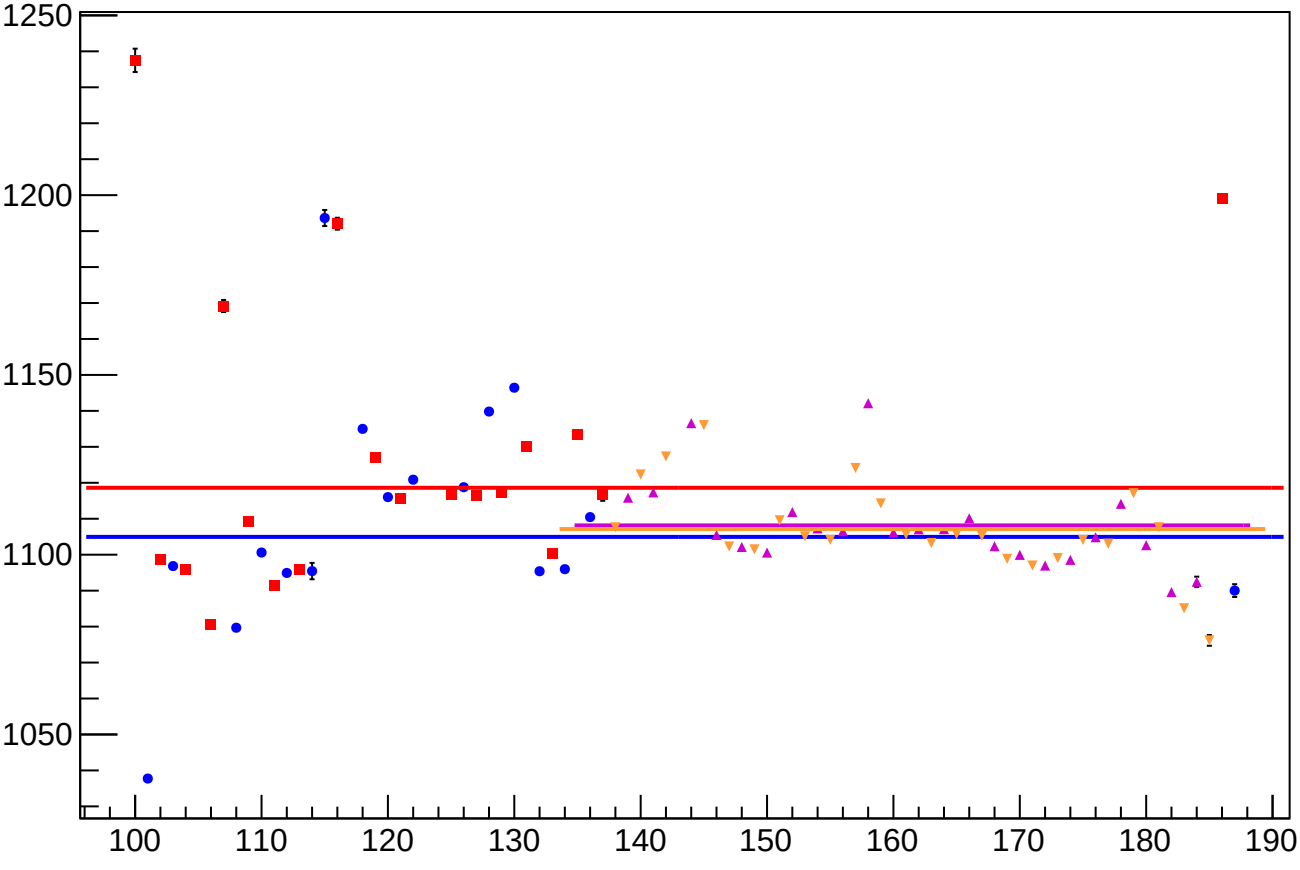
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1659.251+/-217.045 χ^2/NDF: 21.2/40

All: -135.158+/-153.614 χ^2/NDF: 195.0/82

- sign -1936.130+/-217.442 χ^2/NDF: 36.9/41

dit_asym_usl_rms vs Slug



Right In: 1104.955+/-0.287 χ^2/NDF: 11403.7/16

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

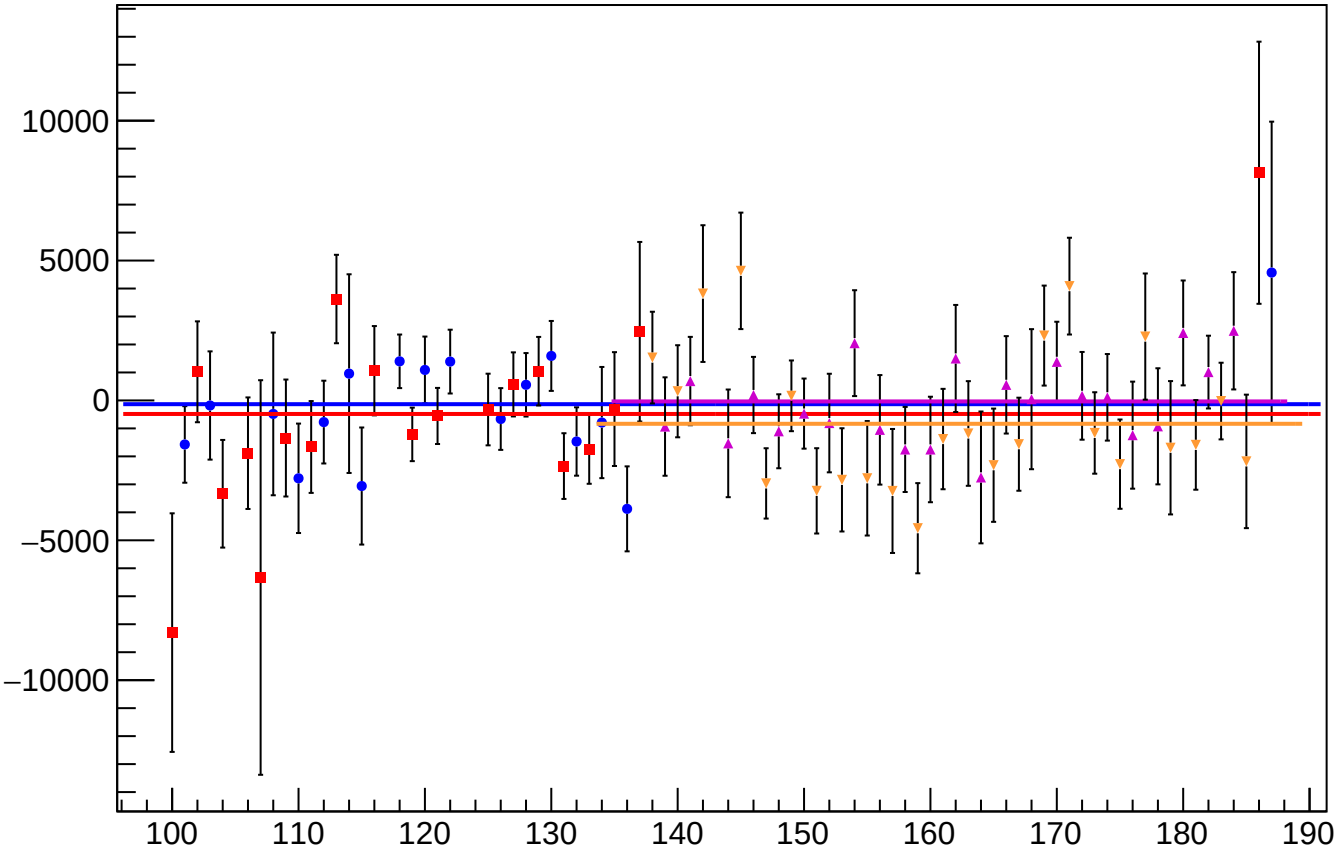
Right Out: 1118.612+/-0.284 χ^2/NDF: 11236.2/18

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1106.504+/-0.153 χ^2/NDF: 15228.4/40

All: 1108.858+/-0.109 χ^2/NDF: 32088.1/82

- sign 1111.221+/-0.154 χ^2/NDF: 16388.3/41



Right In: -134.050+/-350.575 χ^2/NDF: 21.2/16

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: -483.919+/-349.431 χ^2/NDF: 26.6/18

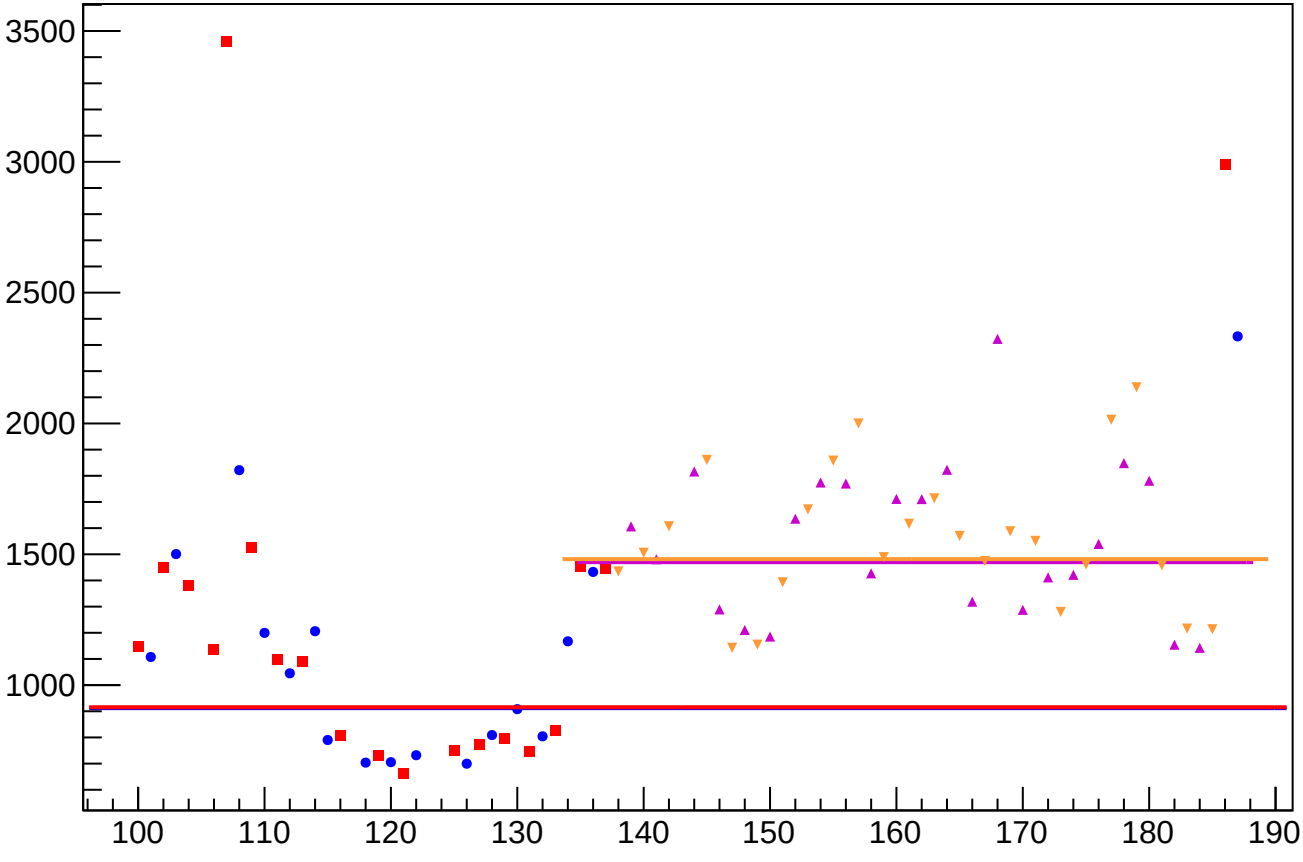
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -484.629+/-247.908 χ^2/NDF: 66.8/40

All: -371.898+/-175.032 χ^2/NDF: 107.8/82

- sign -259.849+/-247.157 χ^2/NDF: 40.6/41

asym_usl_dit_correction_rms vs Slug



Right In: 912.061+/-0.248 χ^2/NDF: 1218741.9/16

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 915.359+/-0.247 χ^2/NDF: 1734365.3/18

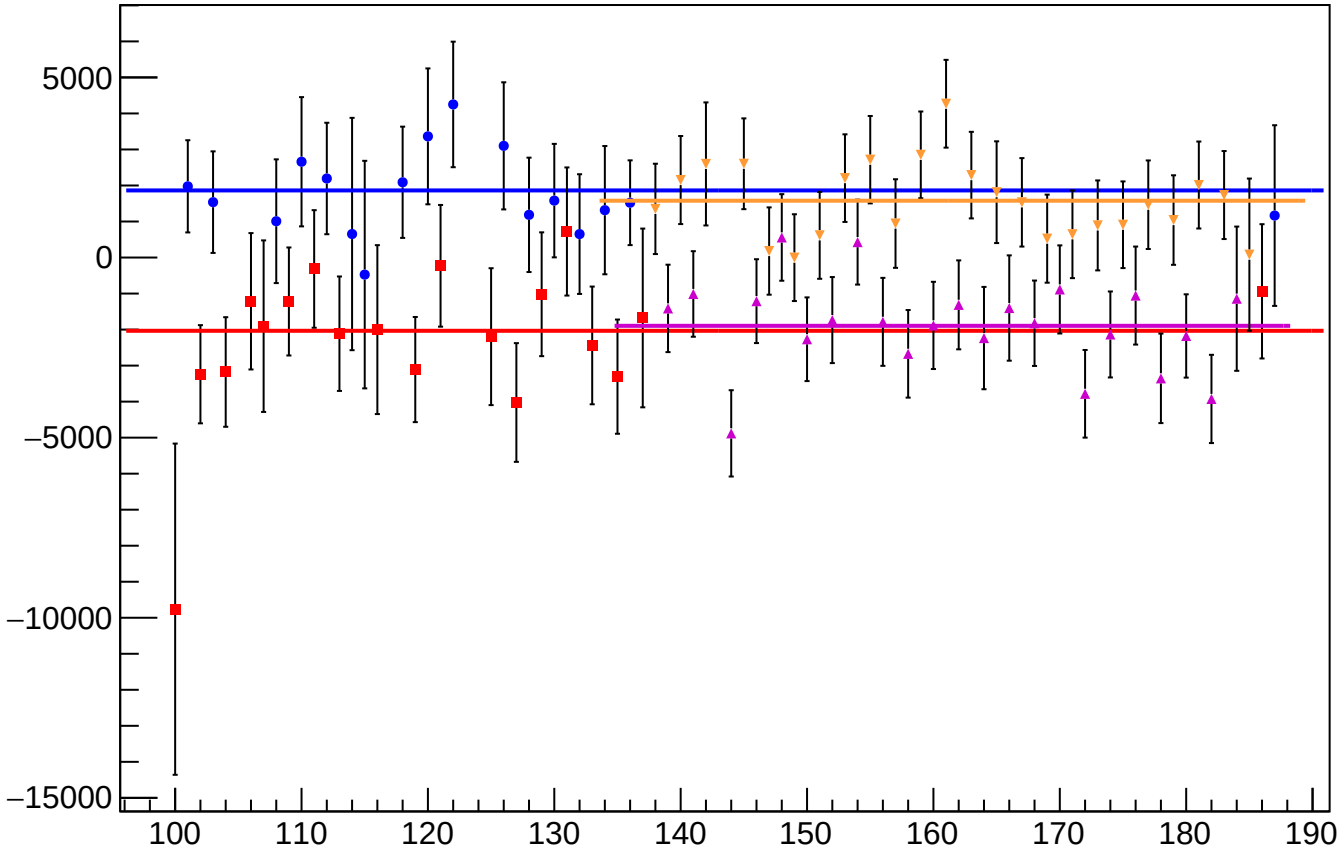
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1196.770+/-0.175 χ^2/NDF: 4874657.4/40

All: 1194.613+/-0.124 χ^2/NDF: 10221485.3/8

- sign 1192.470+/-0.175 χ^2/NDF: 5346526.2/41

eigen_dit_asym_usl_mean vs Slug



Right In: 1862.810+/-405.302 χ^2/NDF: 5.3/16

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: -2033.672+/-401.158 χ^2/NDF: 12.7/18

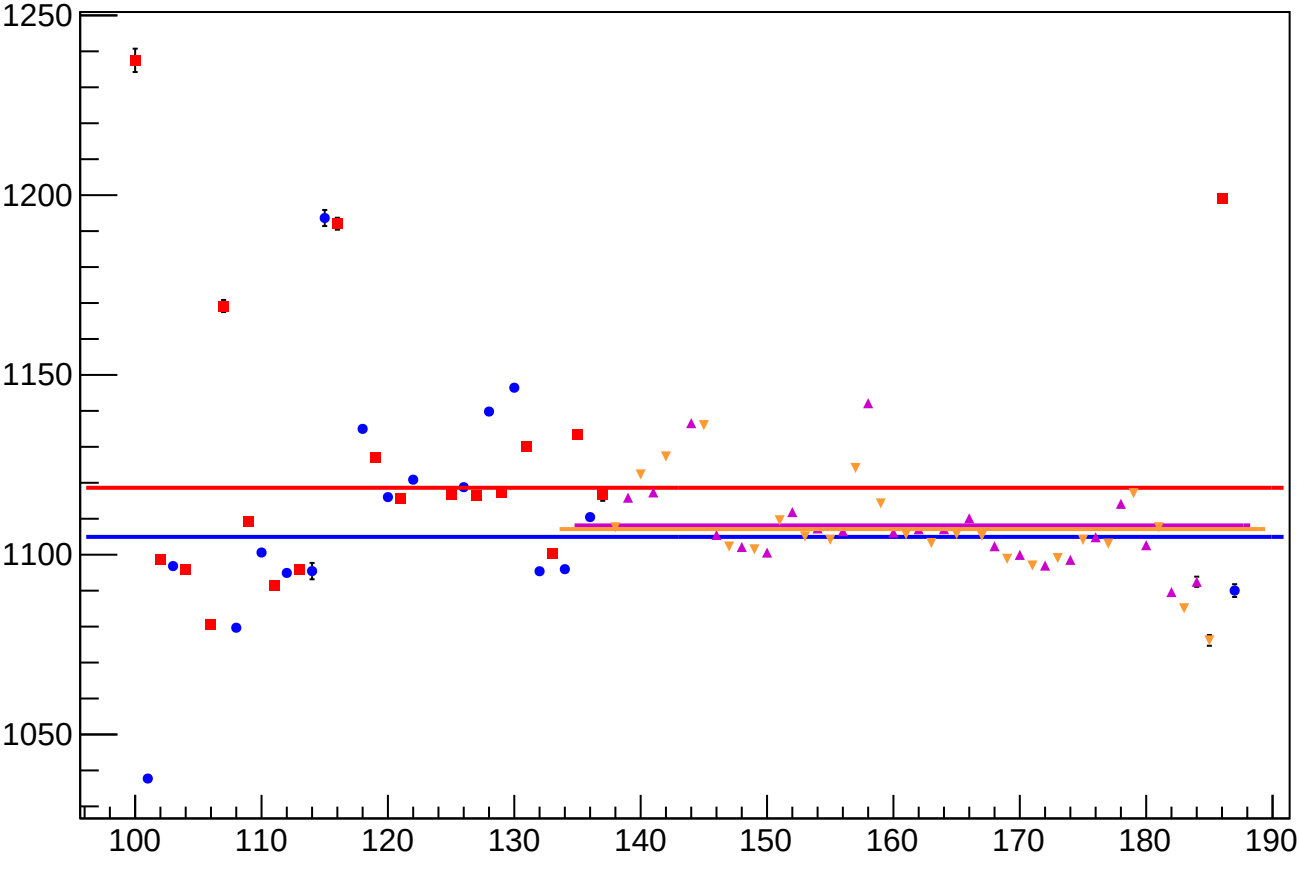
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1659.248+/-217.045 χ^2/NDF: 21.2/40

All: -135.159+/-153.614 χ^2/NDF: 195.0/82

- sign -1936.130+/-217.442 χ^2/NDF: 36.9/41

eigen_dit_asym_usl_rms vs Slug



Right In: 1104.955+/-0.287 χ^2/NDF: 11403.7/16

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

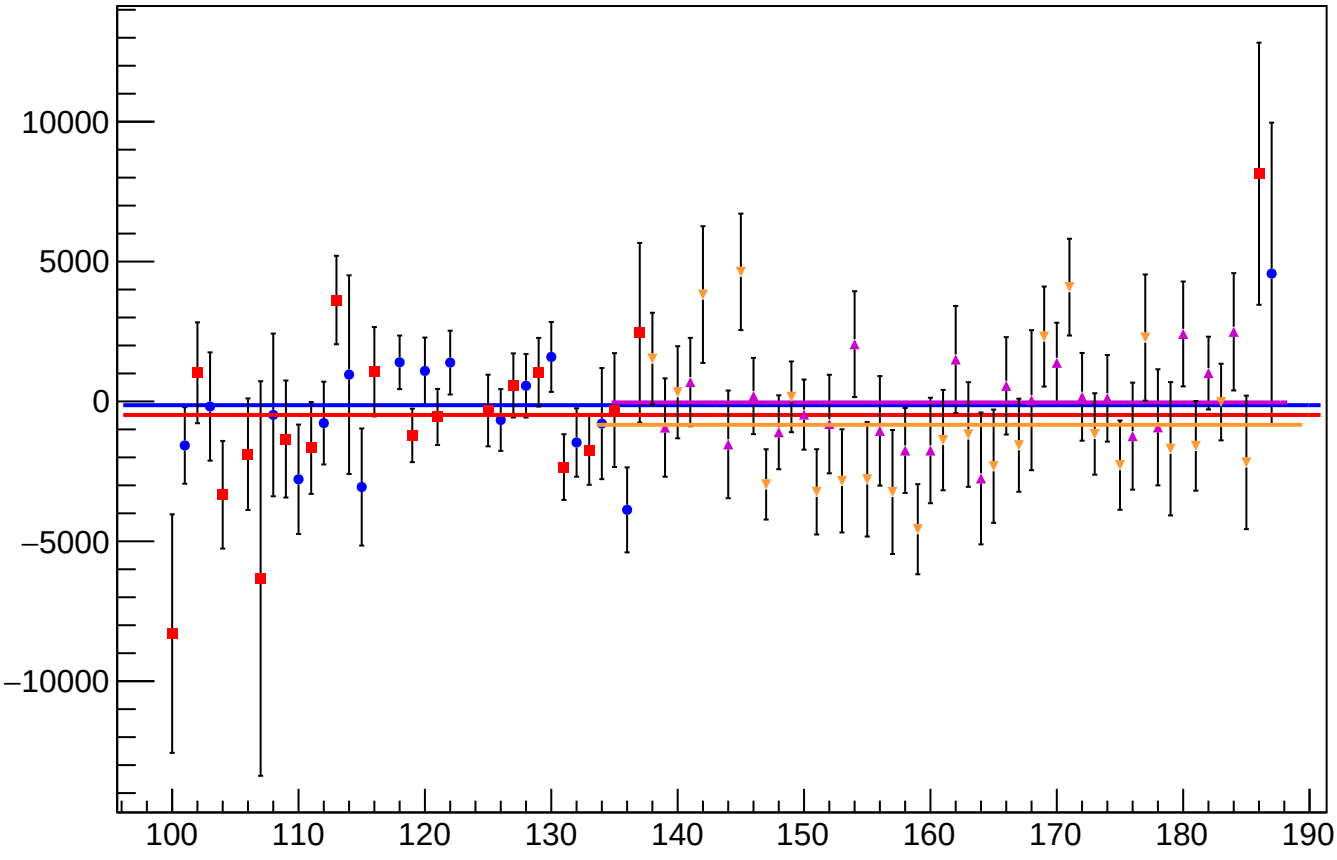
Right Out: 1118.612+/-0.284 χ^2/NDF: 11236.2/18

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1106.504+/-0.153 χ^2/NDF: 15228.4/40

All: 1108.858+/-0.109 χ^2/NDF: 32088.0/82

- sign 1111.221+/-0.154 χ^2/NDF: 16388.2/41



Right In: -134.049+/-350.574 χ^2/NDF: 21.2/16

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: -483.918+/-349.430 χ^2/NDF: 26.6/18

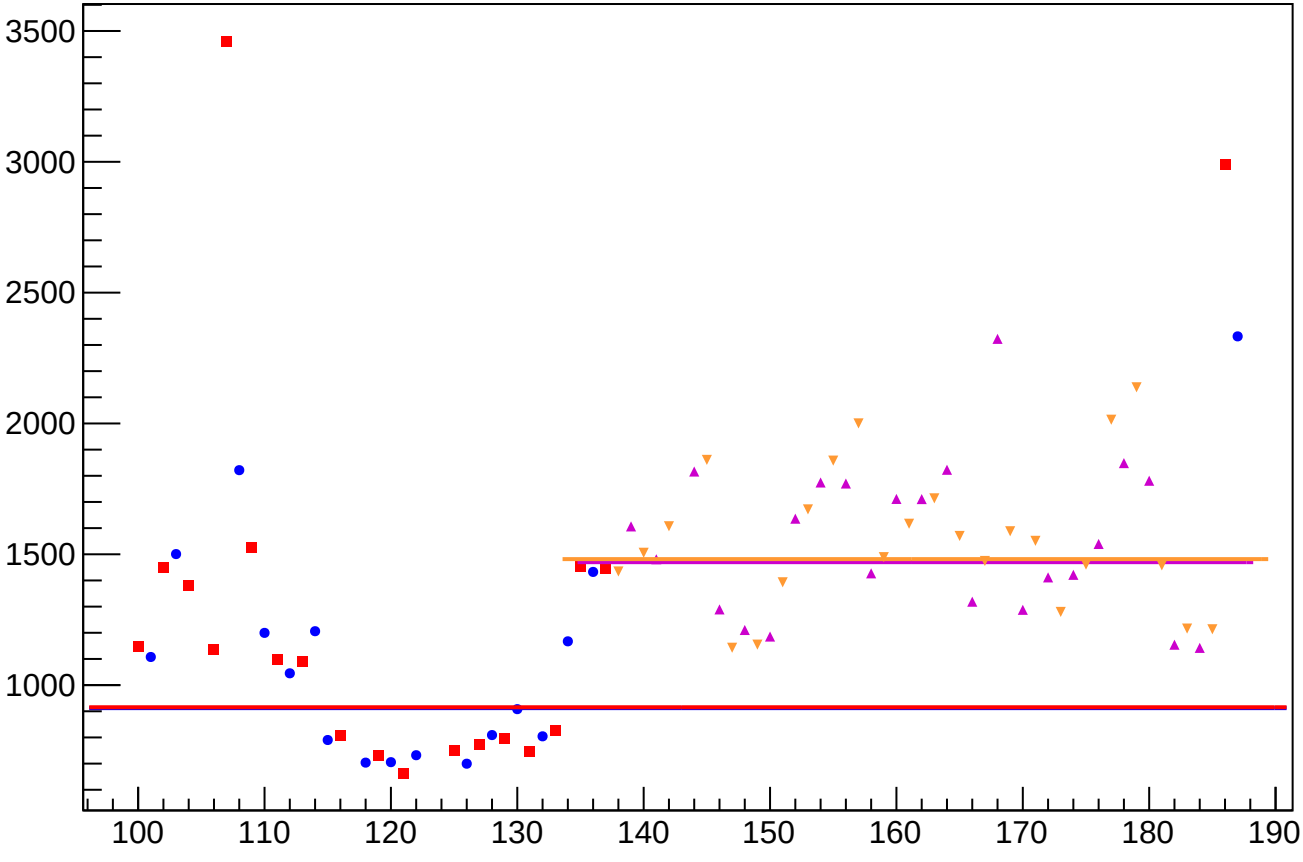
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -484.629+/-247.908 χ^2/NDF: 66.8/40

All: -371.898+/-175.031 χ^2/NDF: 107.8/82

- sign -259.849+/-247.157 χ^2/NDF: 40.6/41

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 912.059+/-0.248 χ^2/NDF: 1218747.0/16

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 915.356+/-0.247 χ^2/NDF: 1734369.6/18

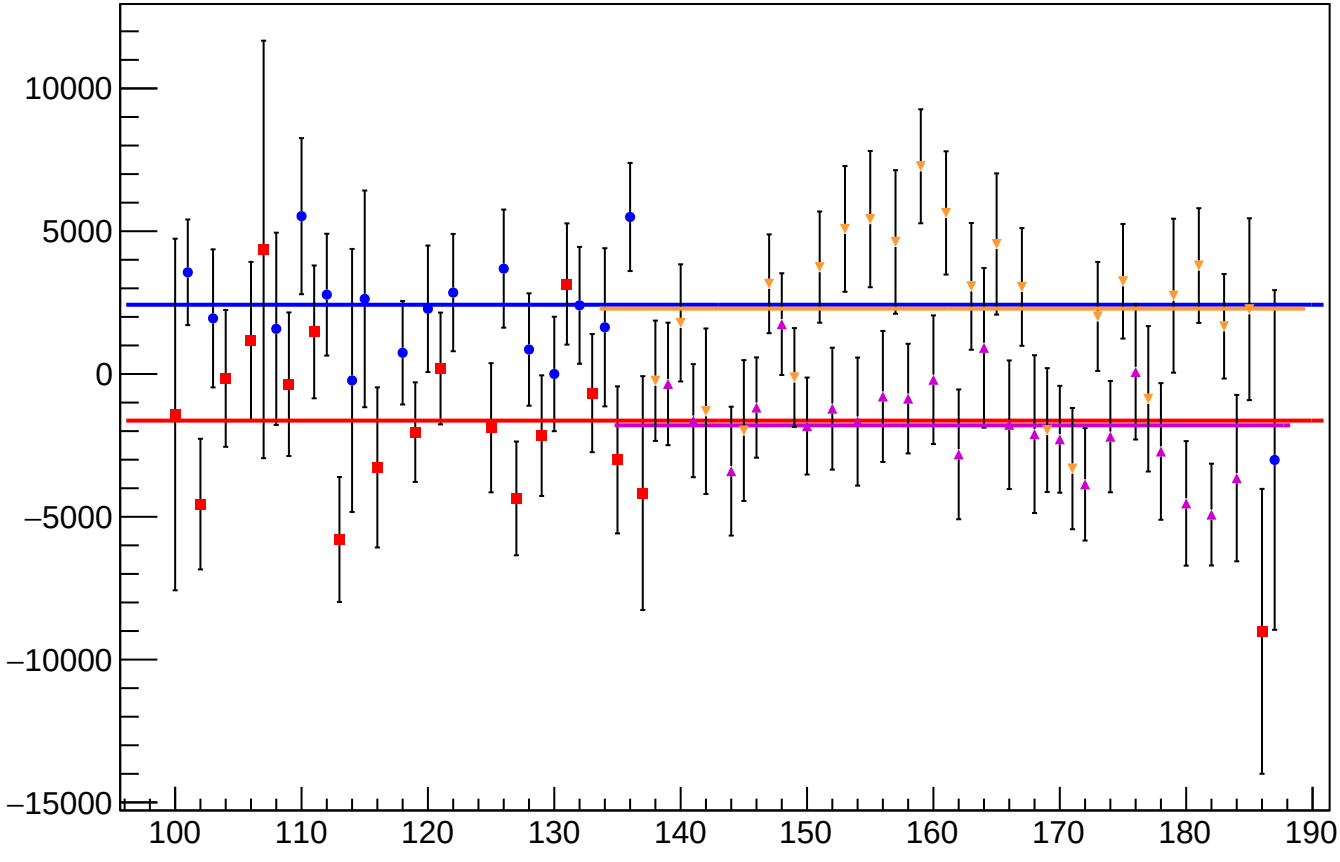
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1196.769+/-0.175 χ^2/NDF: 4874693.9/40

All: 1194.612+/-0.124 χ^2/NDF: 10221558.5/8

- sign 1192.469+/-0.175 χ^2/NDF: 5346562.9/41

asym_usl_mean vs Slug



Right In: 2425.397+/-560.293 χ^2/NDF: 9.1/16

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: -1631.600+/-559.994 χ^2/NDF: 20.7/18

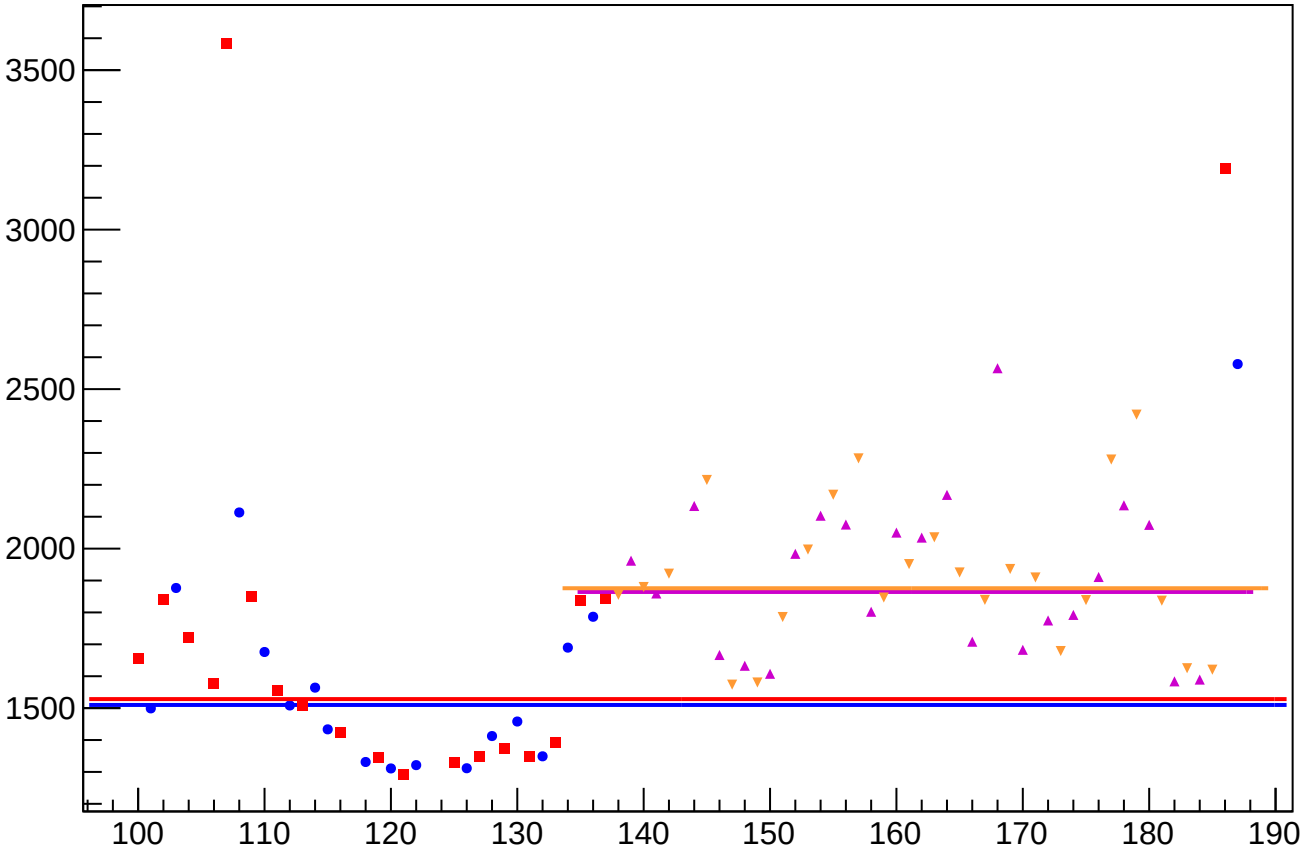
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2341.365+/-345.722 χ^2/NDF: 45.1/40

All: 302.942+/-244.406 χ^2/NDF: 149.6/82

- sign -1733.589+/-345.562 χ^2/NDF: 35.0/41

asym_usl_rms vs Slug



Right In: 1509.946+/-0.396 χ^2/NDF: 323936.0/16

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

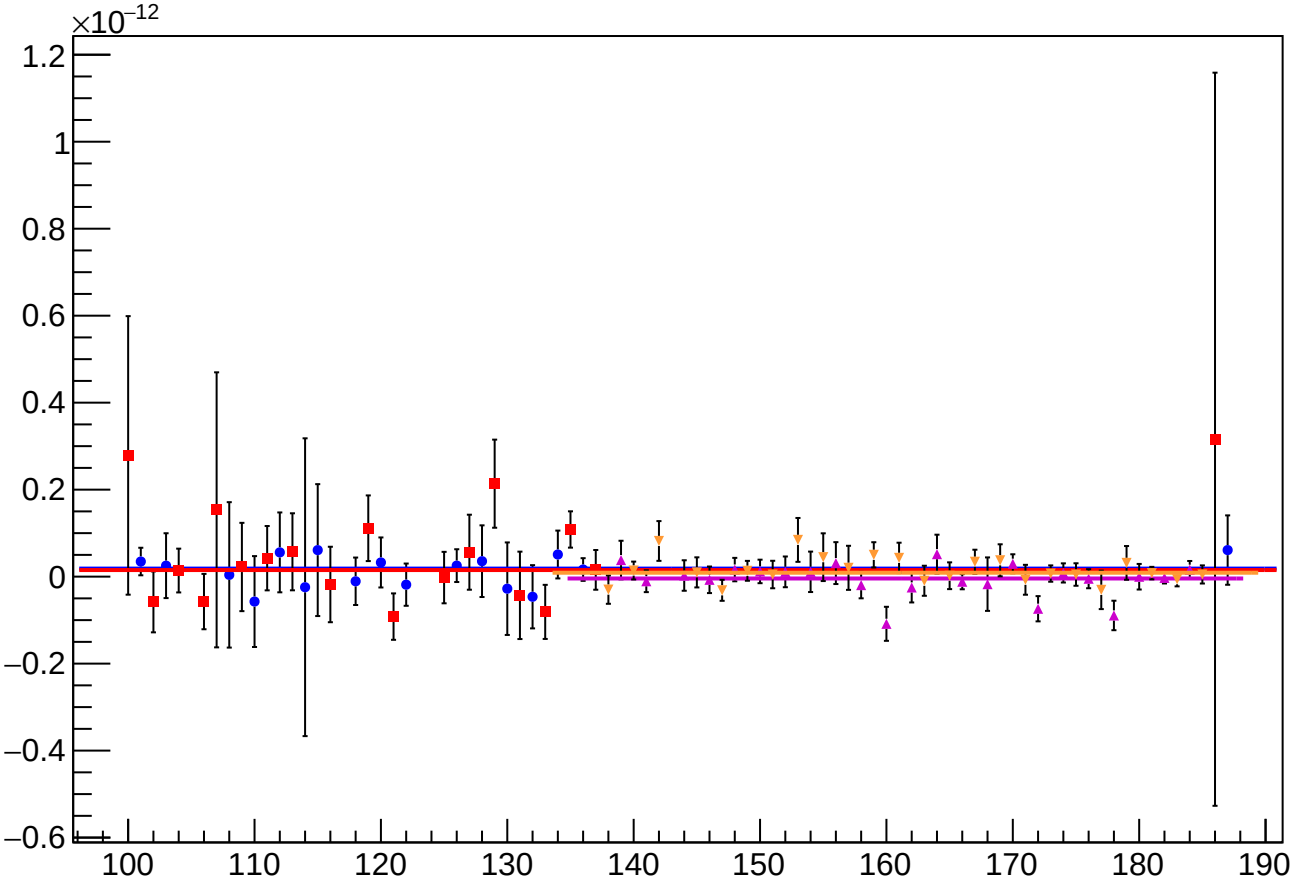
Right Out: 1528.307+/-0.396 χ^2/NDF: 626021.8/18

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1736.518+/-0.244 χ^2/NDF: 1324615.9/40

All: 1736.395+/-0.173 χ^2/NDF: 2906697.0/82

- sign 1736.272+/-0.244 χ^2/NDF: 1582080.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 3.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

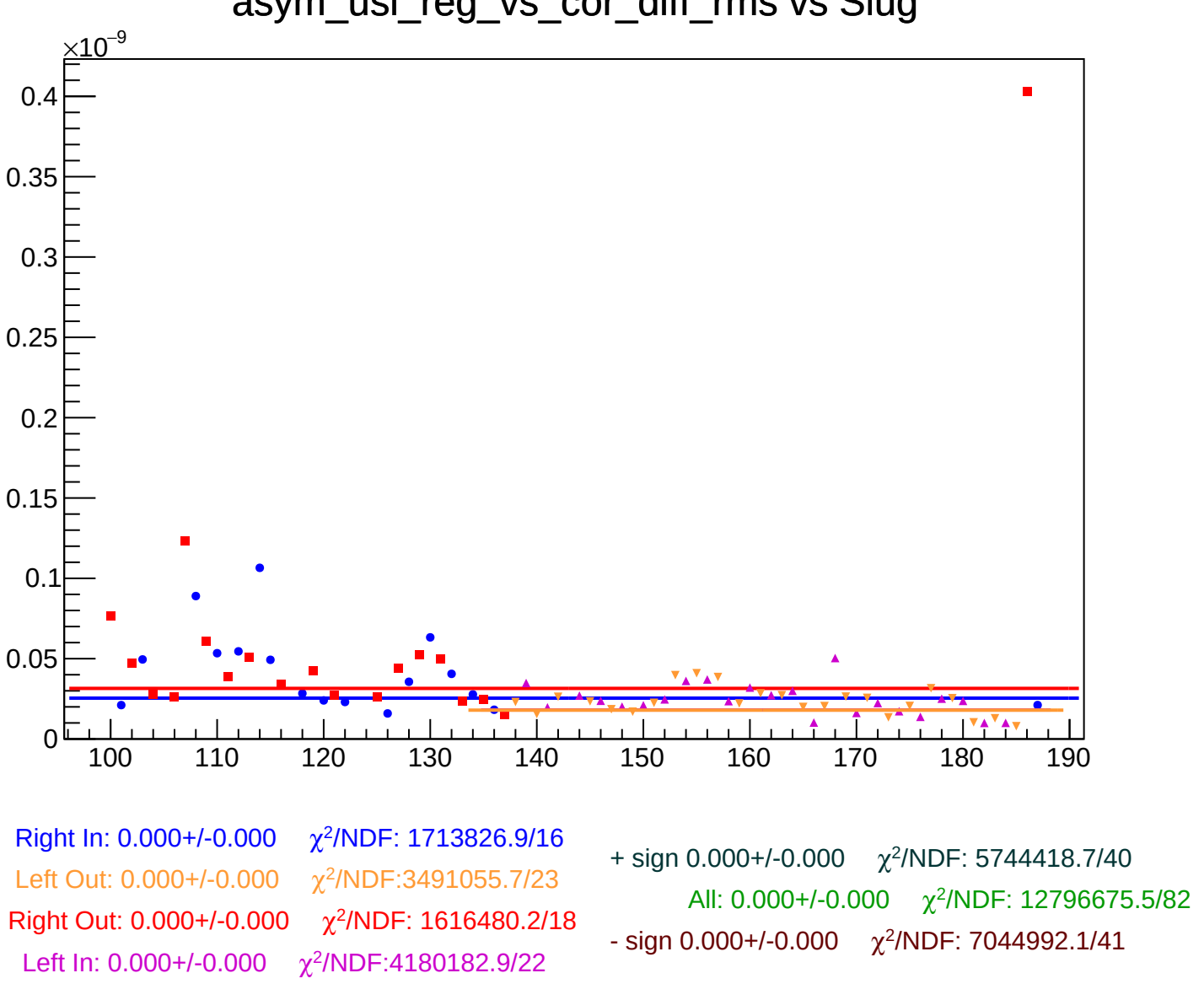
Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

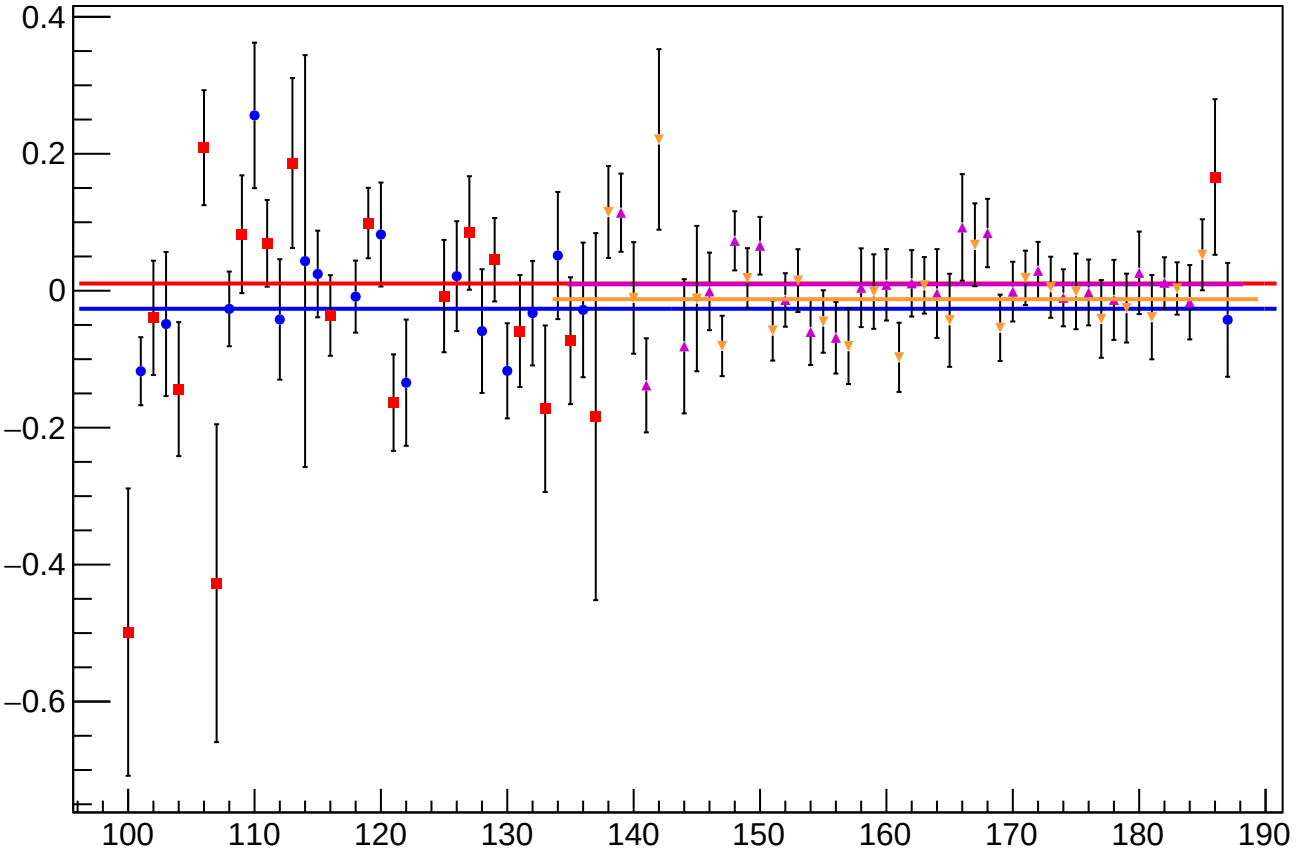
+ sign 0.000+/-0.000 χ^2/NDF: 20.7/40

All: 0.000+/-0.000 χ^2/NDF: 74.5/82

- sign -0.000+/-0.000 χ^2/NDF: 50.8/41


asym_usl_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1713826.9/16
Left Out: 0.000+/-0.000 χ²/NDF:3491055.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 1616480.2/18
Left In: 0.000+/-0.000 χ²/NDF:4180182.9/22
+ sign 0.000+/-0.000 χ²/NDF: 5744418.7/40
All: 0.000+/-0.000 χ²/NDF: 12796675.5/82
- sign 0.000+/-0.000 χ²/NDF: 7044992.1/41

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.011+/-0.019 χ^2/NDF: 38.5/18

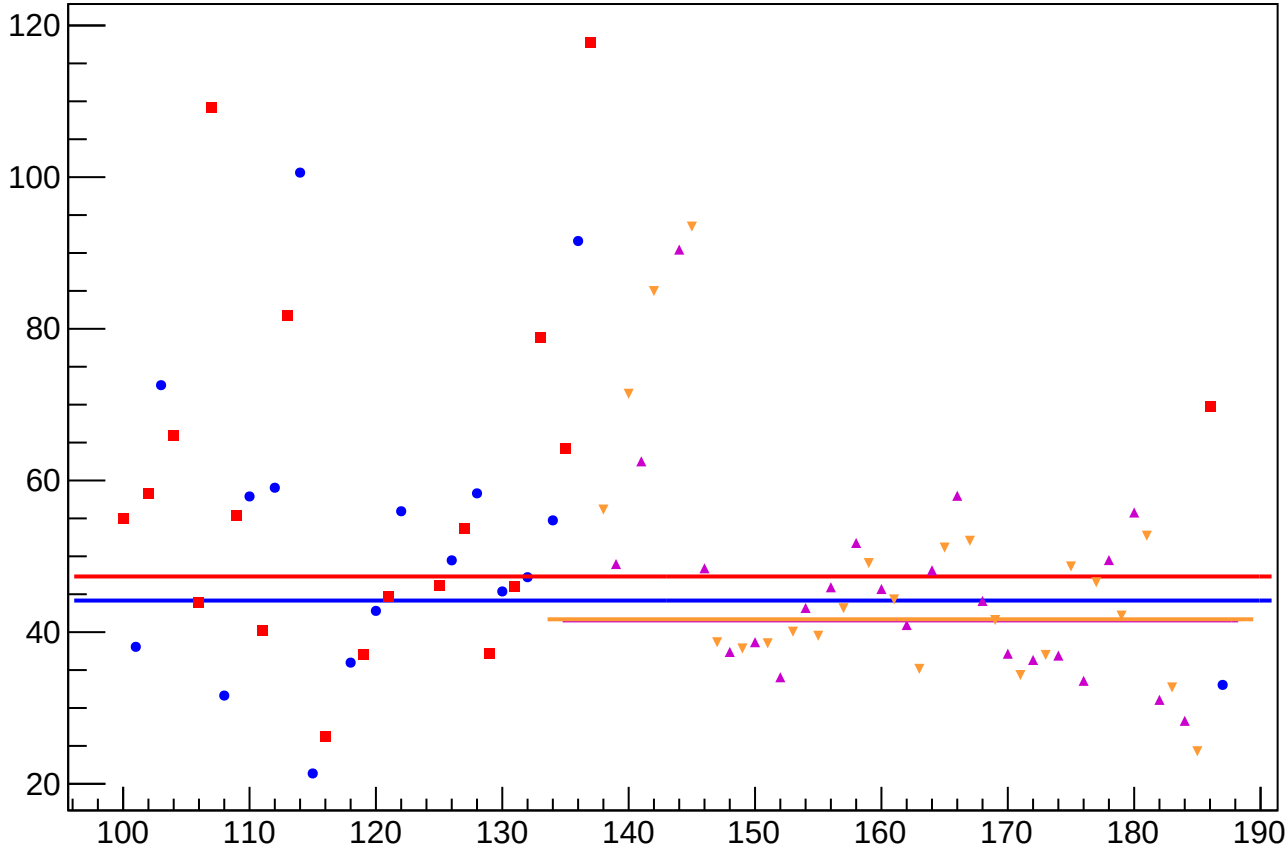
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.016+/-0.009 χ^2/NDF: 40.0/40

All: -0.003+/-0.006 χ^2/NDF: 104.3/82

- sign 0.010+/-0.009 χ^2/NDF: 60.4/41

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.167+/-0.013 χ^2/NDF: 1372129.4/16

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 47.342+/-0.014 χ^2/NDF: 1275134.6/18

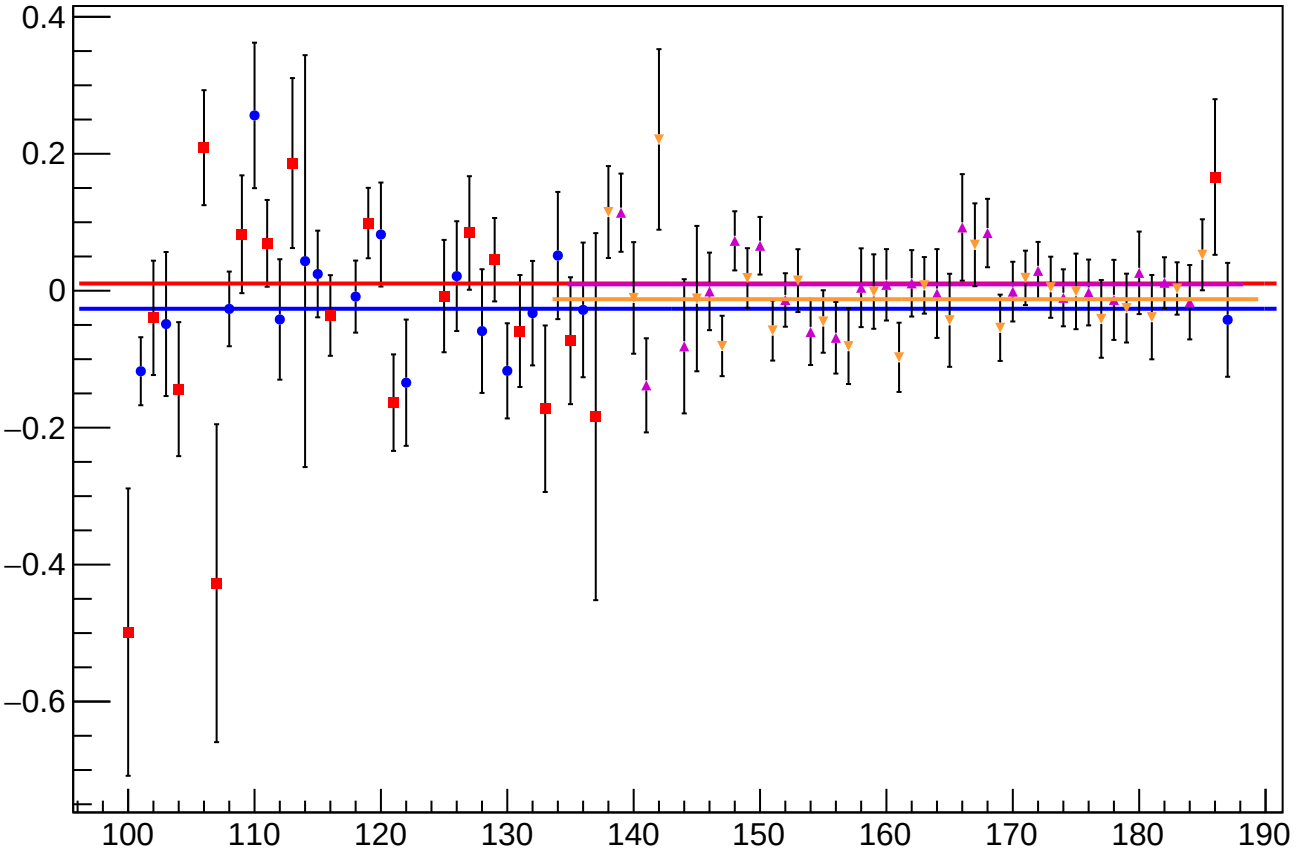
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.306+/-0.006 χ^2/NDF: 3221375.0/40

All: 42.594+/-0.005 χ^2/NDF: 6254695.0/82

- sign 42.889+/-0.006 χ^2/NDF: 3029259.9/41

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.011+/-0.019 χ^2/NDF: 38.5/18

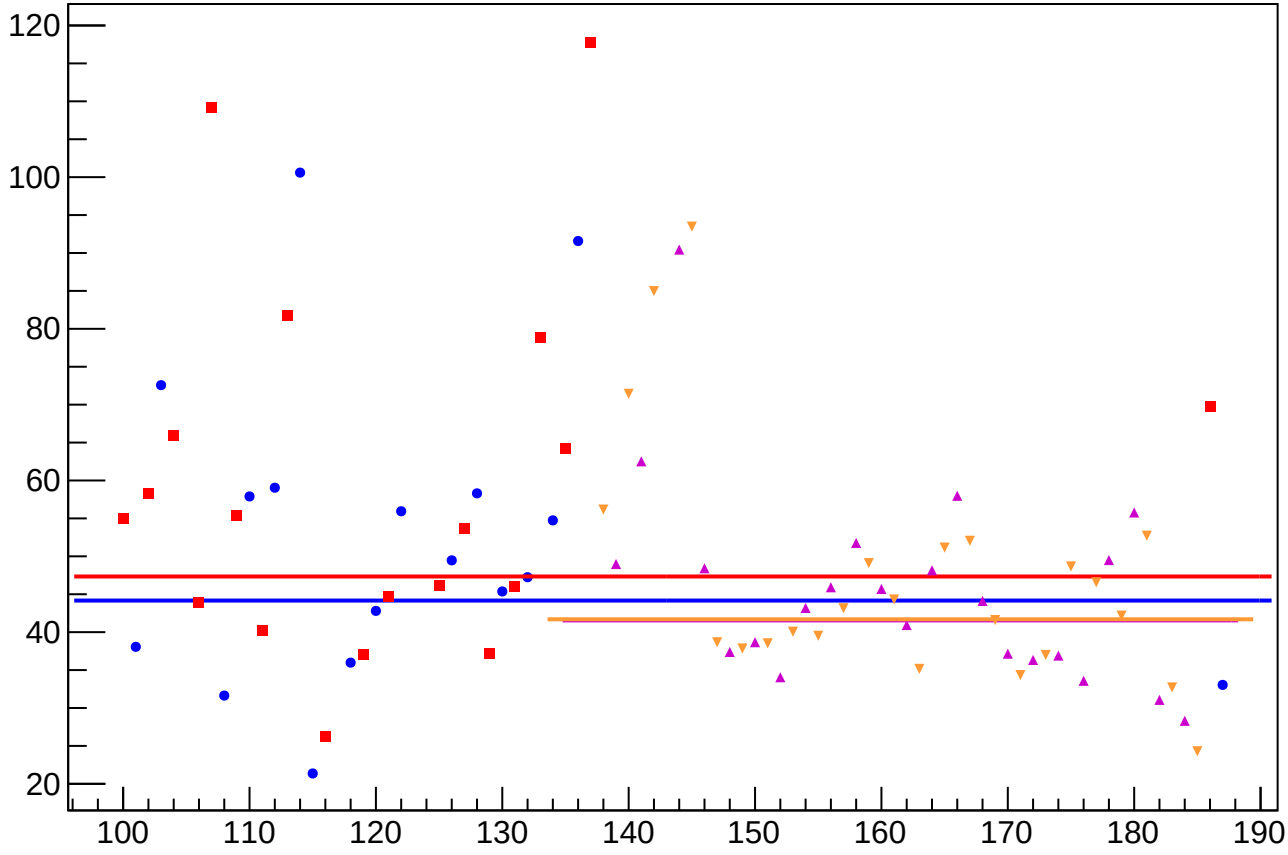
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.016+/-0.009 χ^2/NDF: 40.0/40

All: -0.003+/-0.006 χ^2/NDF: 104.3/82

- sign 0.010+/-0.009 χ^2/NDF: 60.4/41

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.167+/-0.013 χ^2/NDF: 1372129.4/16

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 47.342+/-0.014 χ^2/NDF: 1275134.6/18

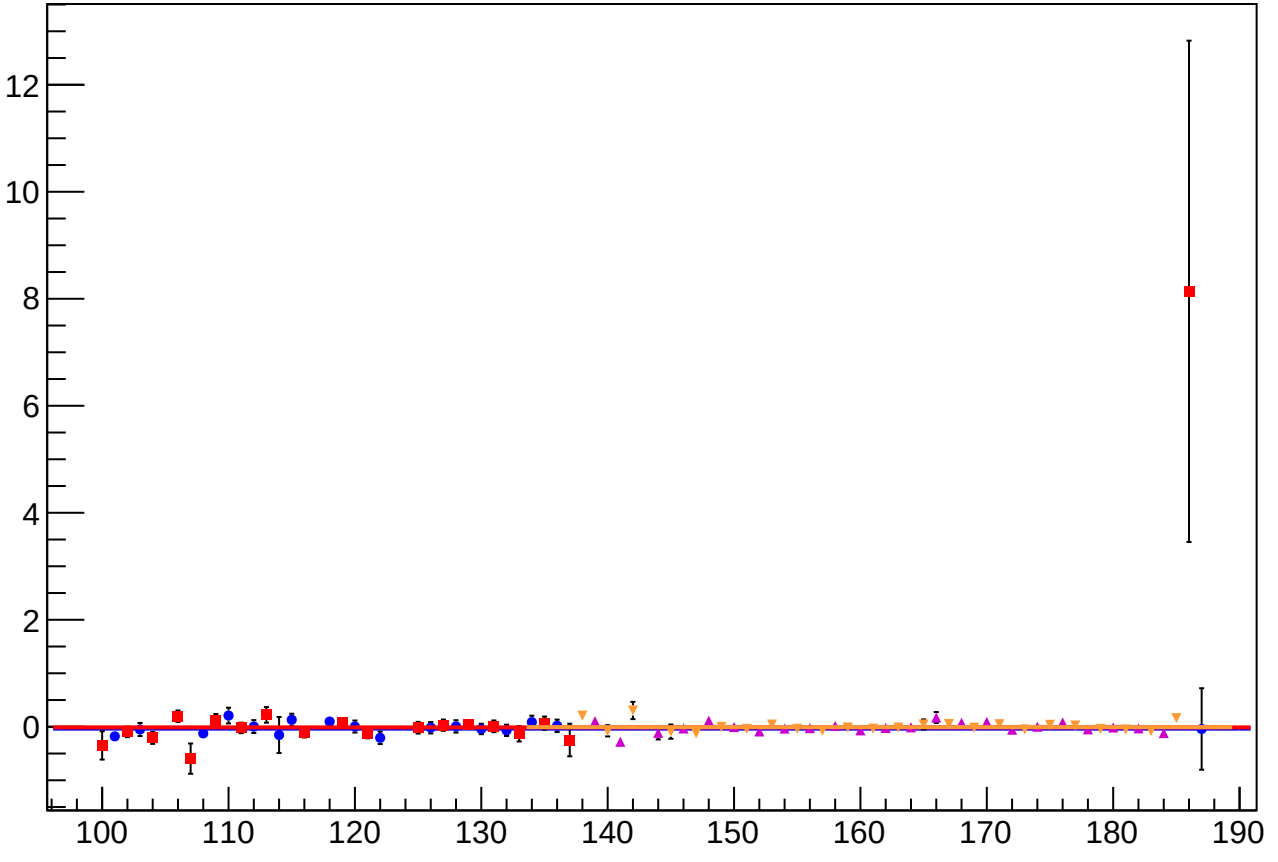
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.306+/-0.006 χ^2/NDF: 3221375.0/40

All: 42.594+/-0.005 χ^2/NDF: 6254695.0/82

- sign 42.889+/-0.006 χ^2/NDF: 3029259.9/41

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/16

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.011+/-0.027 χ^2/NDF: 25.8/18

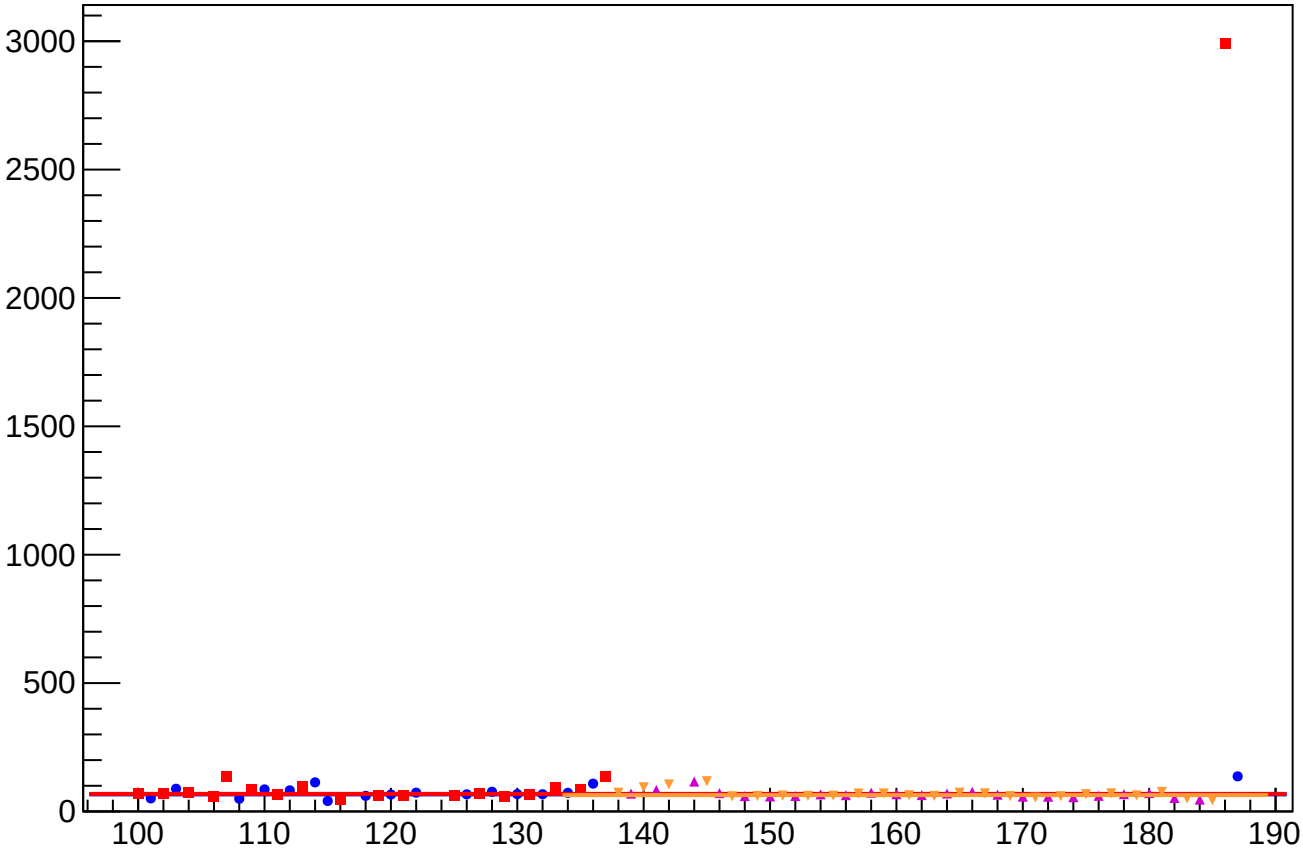
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/40

All: -0.011+/-0.009 χ^2/NDF: 96.0/82

- sign -0.009+/-0.013 χ^2/NDF: 53.9/41

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.432+/-0.019 χ^2/NDF: 789691.3/16

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 68.418+/-0.019 χ^2/NDF: 1407447.2/18

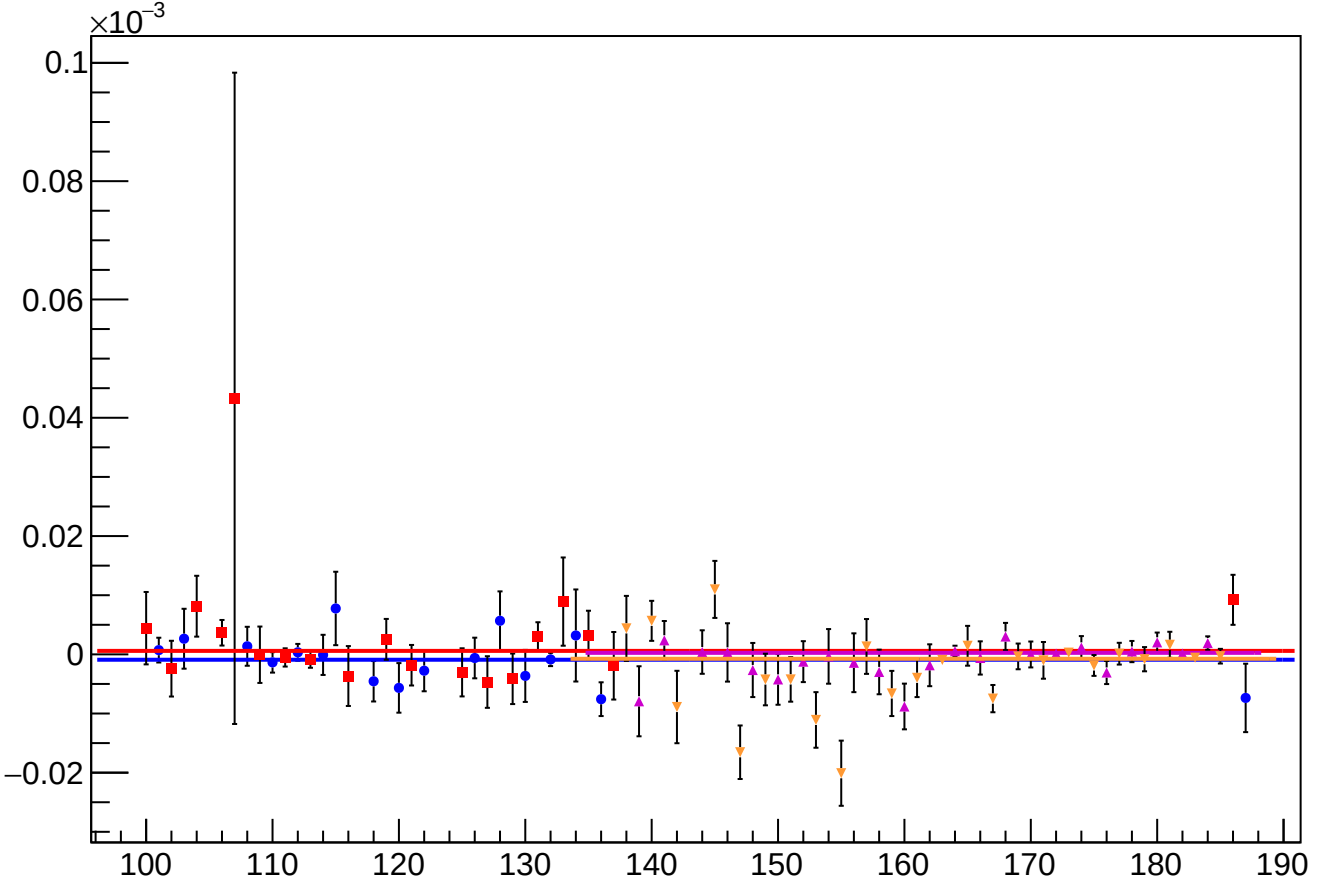
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.458+/-0.009 χ^2/NDF: 1883705.1/40

All: 64.789+/-0.007 χ^2/NDF: 4172310.8/82

- sign 65.127+/-0.009 χ^2/NDF: 2286097.0/41

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

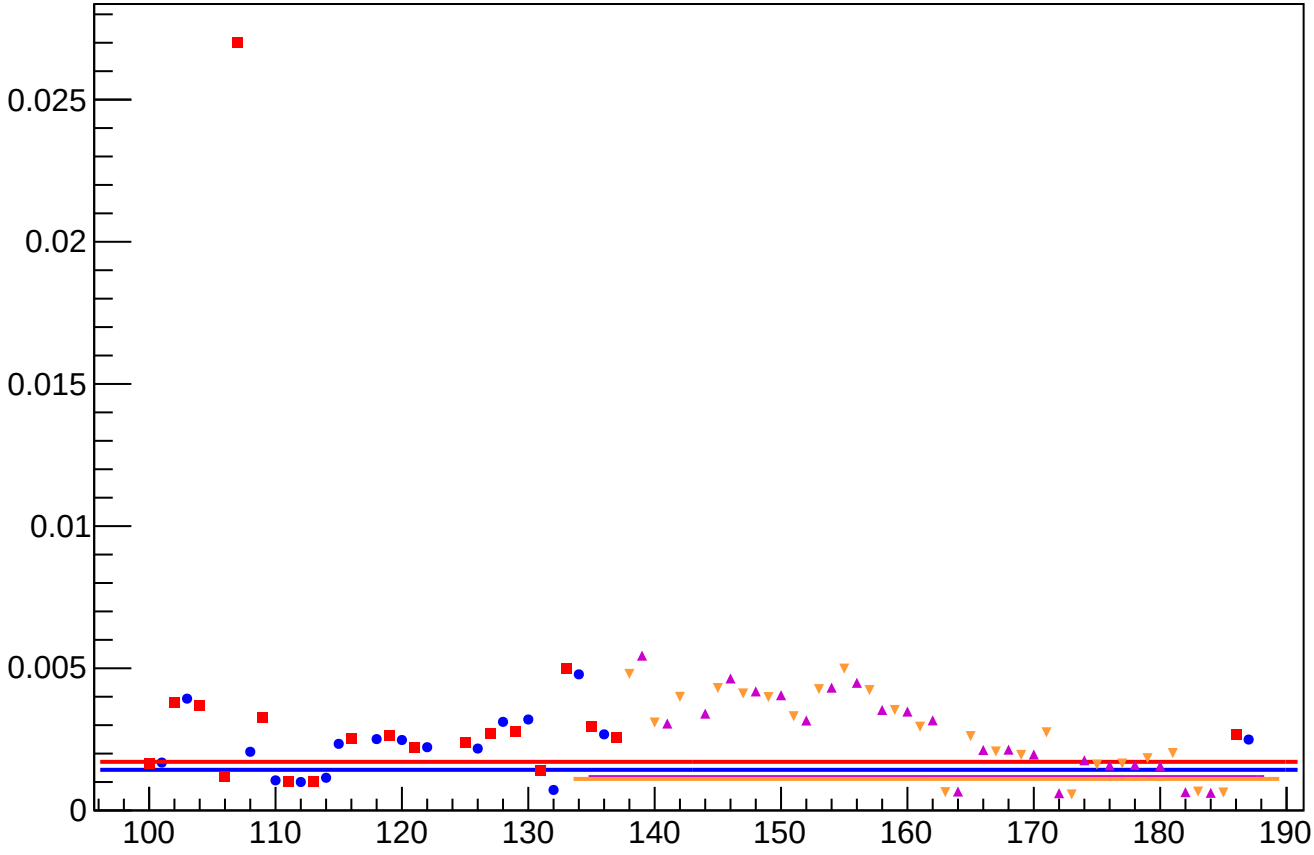
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.3/40

All: -0.000+/-0.000 χ^2/NDF: 120.8/82

- sign 0.000+/-0.000 χ^2/NDF: 38.1/41

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3615740.1/16

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3537650.3/18

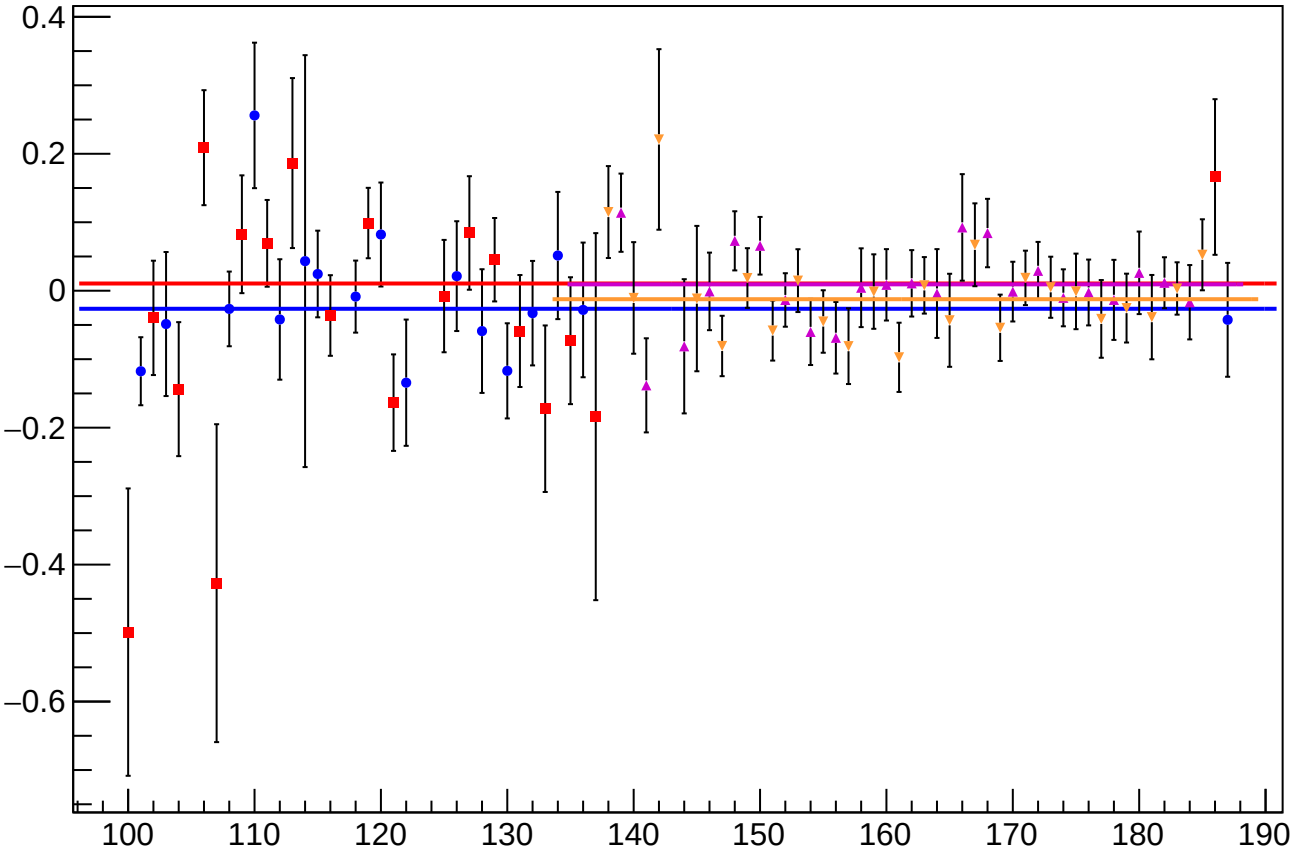
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 19190991.8/40

All: 0.001+/-0.000 χ^2/NDF: 37980961.3/82

- sign 0.001+/-0.000 χ^2/NDF: 18694501.6/41

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.011+/-0.019 χ^2/NDF: 38.5/18

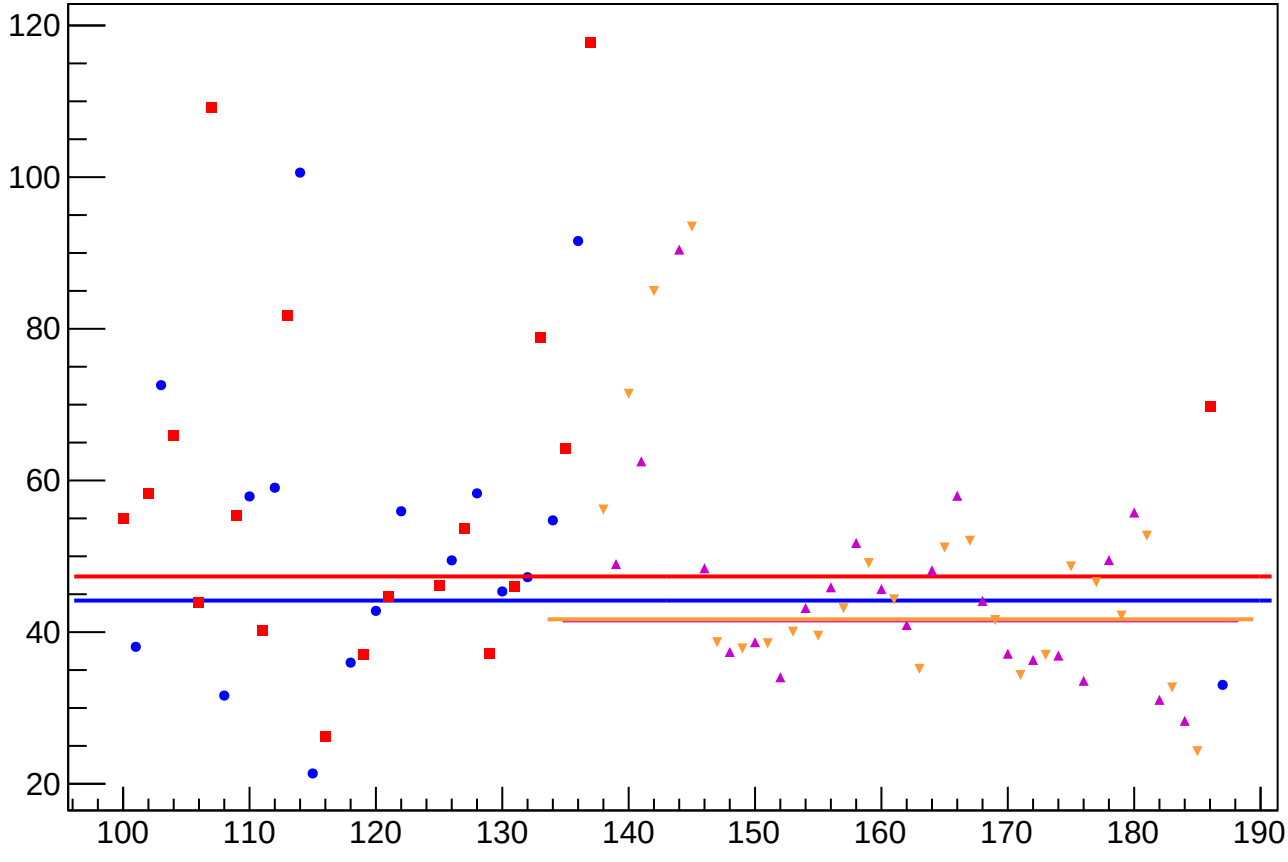
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.016+/-0.009 χ^2/NDF: 40.0/40

All: -0.003+/-0.006 χ^2/NDF: 104.3/82

- sign 0.010+/-0.009 χ^2/NDF: 60.4/41

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.166+/-0.013 χ^2/NDF: 1372190.0/16

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

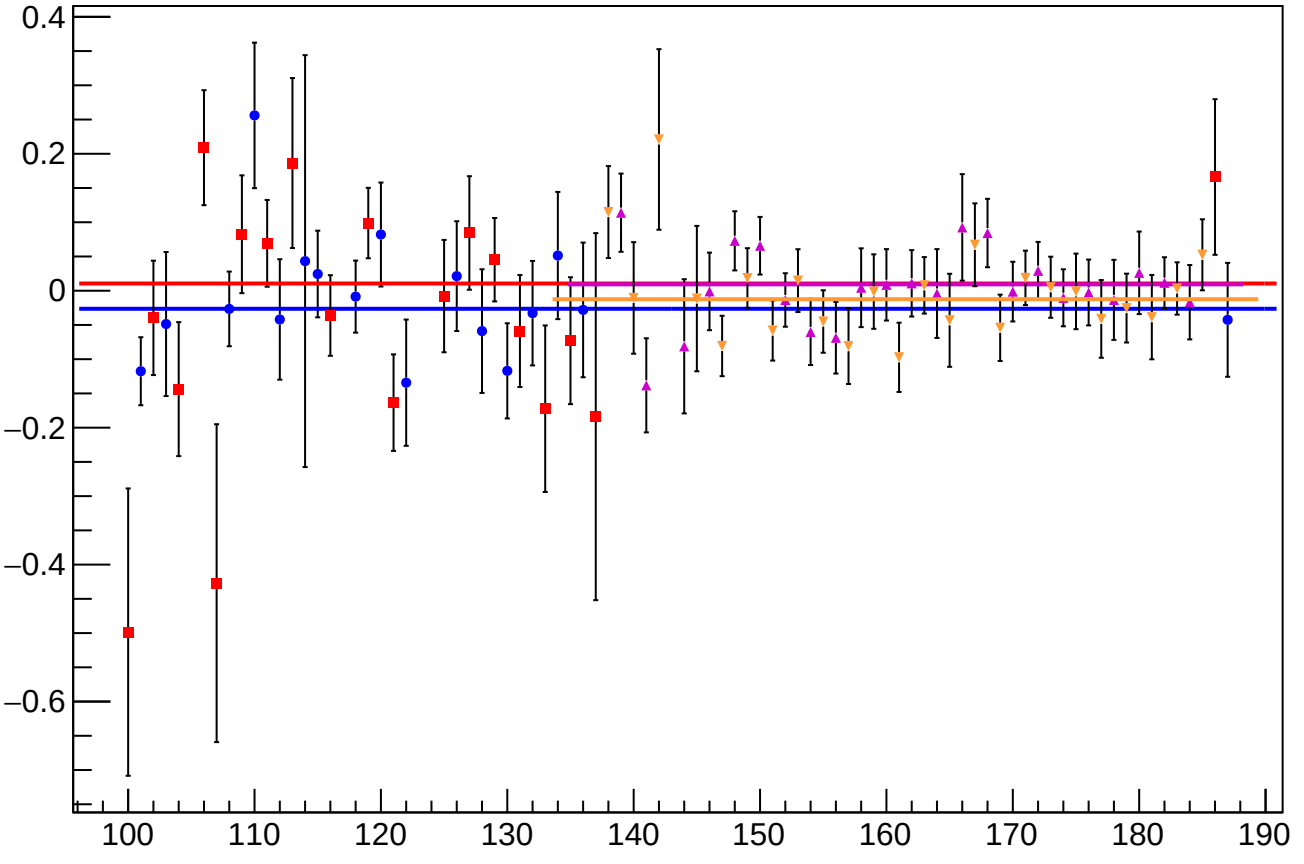
Right Out: 47.341+/-0.014 χ^2/NDF: 1275193.7/18

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.306+/-0.006 χ^2/NDF: 3221376.6/40

All: 42.594+/-0.005 χ^2/NDF: 6254664.3/82

- sign 42.889+/-0.006 χ^2/NDF: 3029225.3/41



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.011+/-0.019 χ^2/NDF: 38.5/18

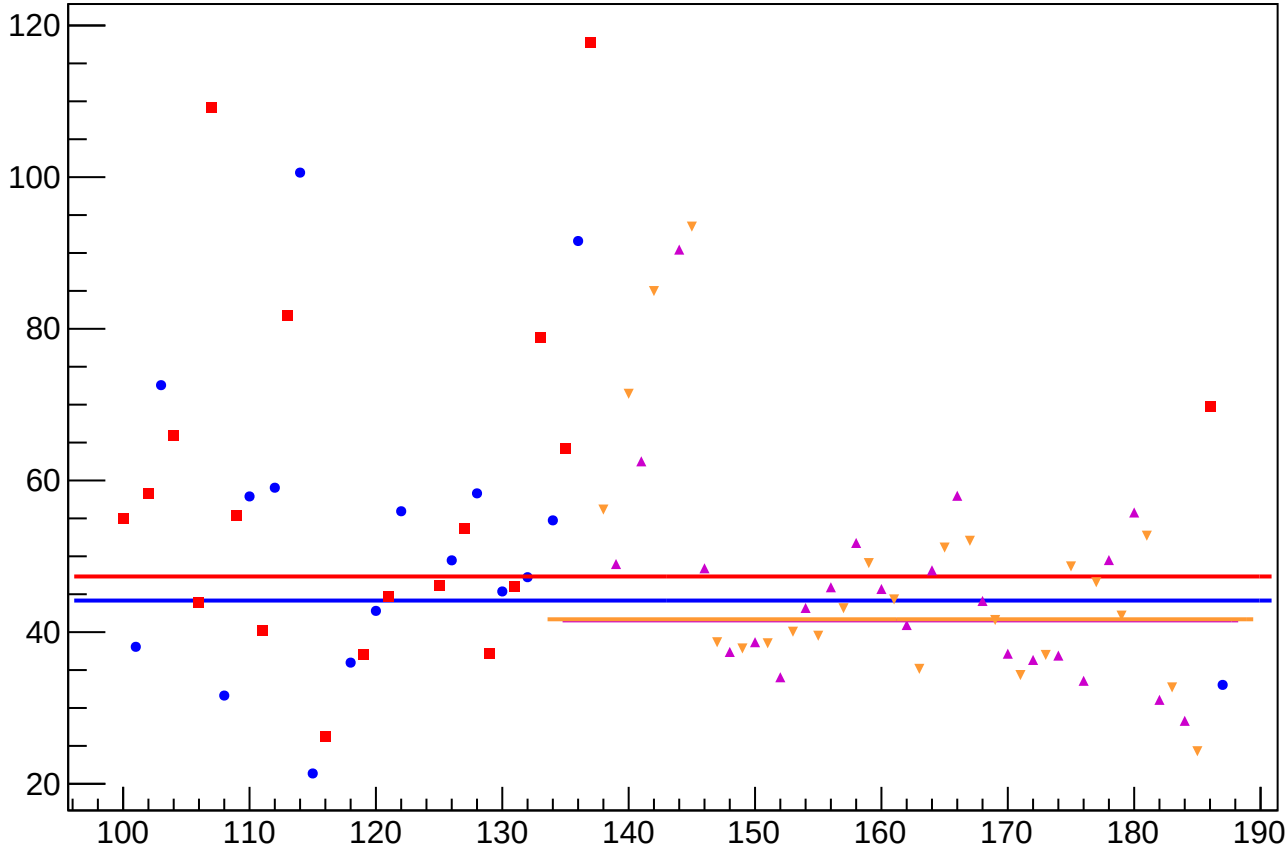
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.016+/-0.009 χ^2/NDF: 40.0/40

All: -0.003+/-0.006 χ^2/NDF: 104.3/82

- sign 0.010+/-0.009 χ^2/NDF: 60.4/41

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.166+/-0.013 χ^2/NDF: 1372190.0/16

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 47.341+/-0.014 χ^2/NDF: 1275193.7/18

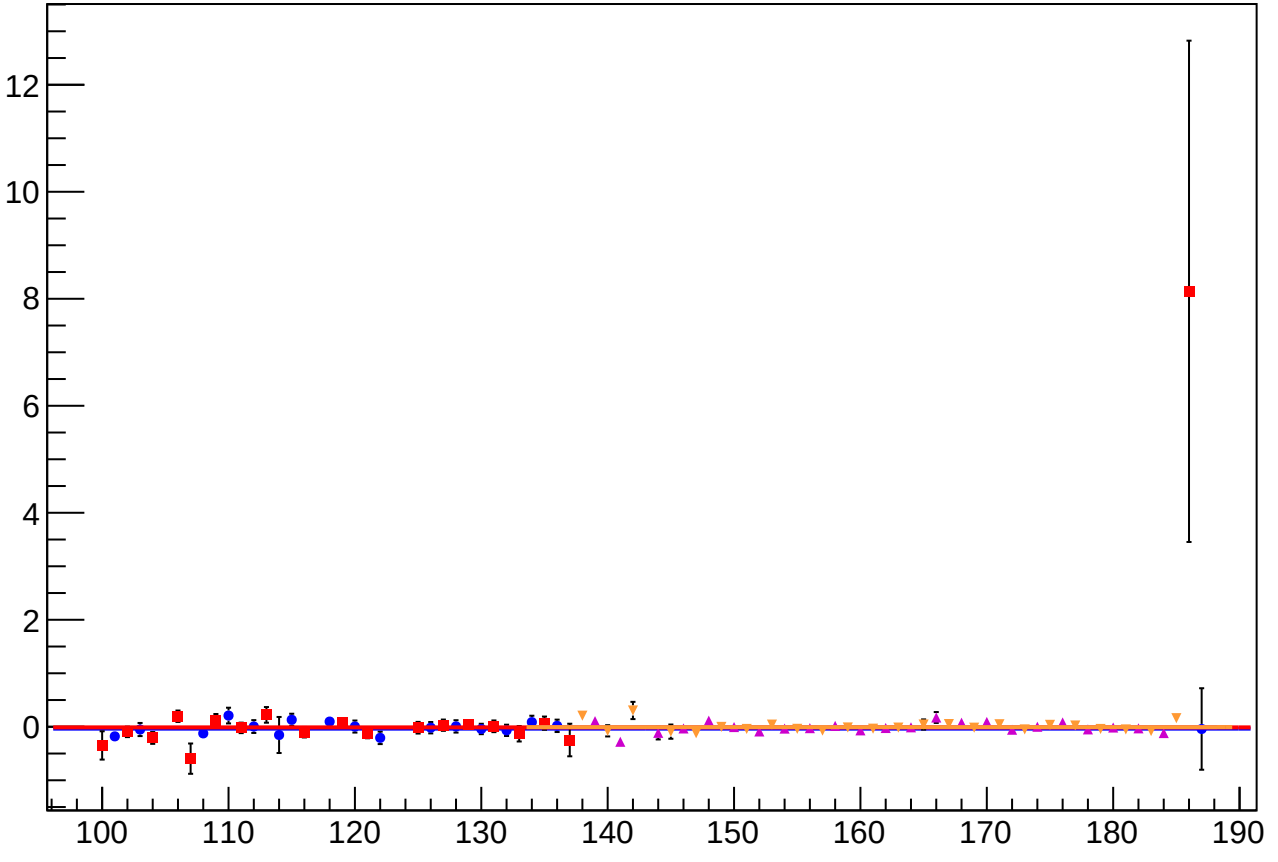
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.306+/-0.006 χ^2/NDF: 3221376.6/40

All: 42.594+/-0.005 χ^2/NDF: 6254664.3/82

- sign 42.889+/-0.006 χ^2/NDF: 3029225.3/41

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/16

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: -0.011+/-0.027 χ^2/NDF: 25.8/18

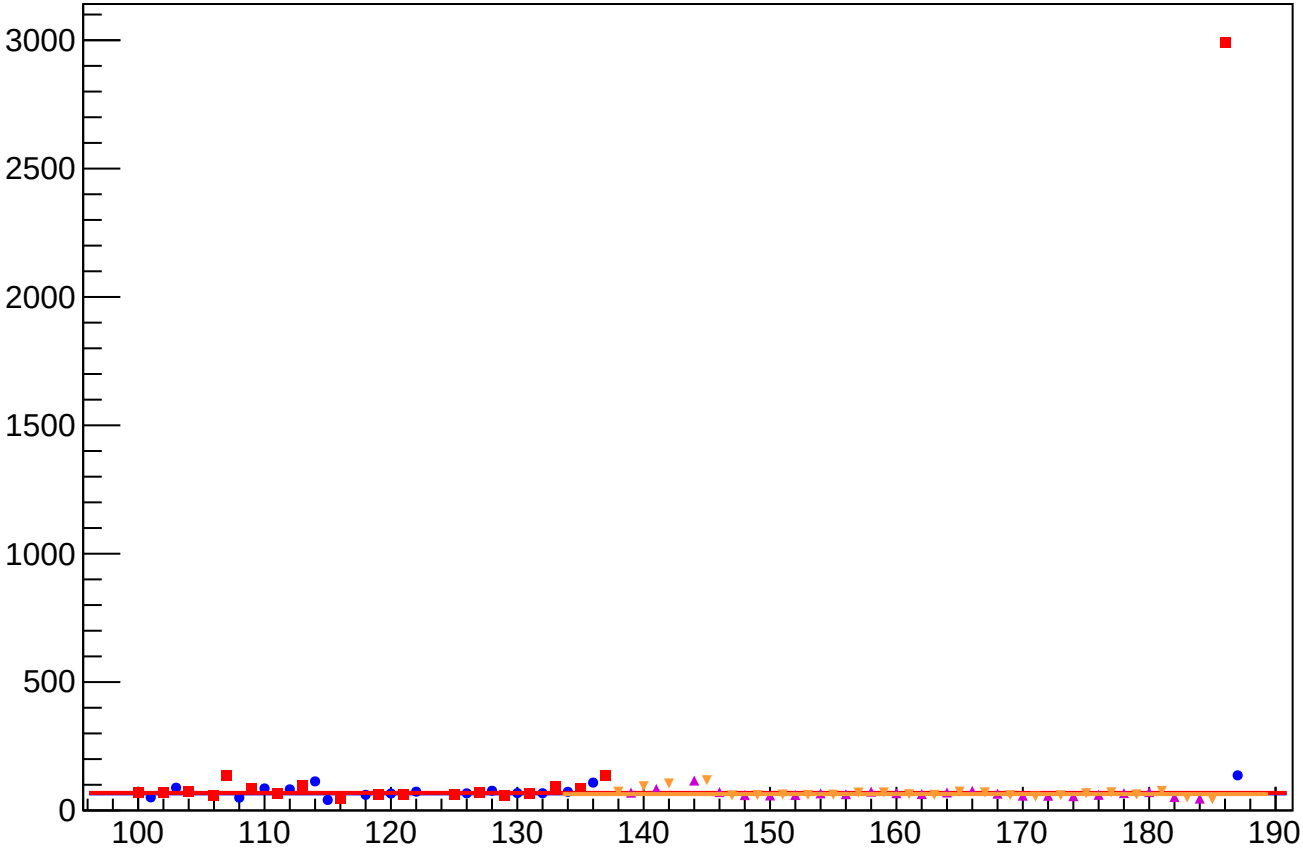
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.014+/-0.013 χ^2/NDF: 42.0/40

All: -0.011+/-0.009 χ^2/NDF: 96.0/82

- sign -0.009+/-0.013 χ^2/NDF: 53.9/41

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 66.431+/-0.019 χ^2/NDF: 789698.6/16

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

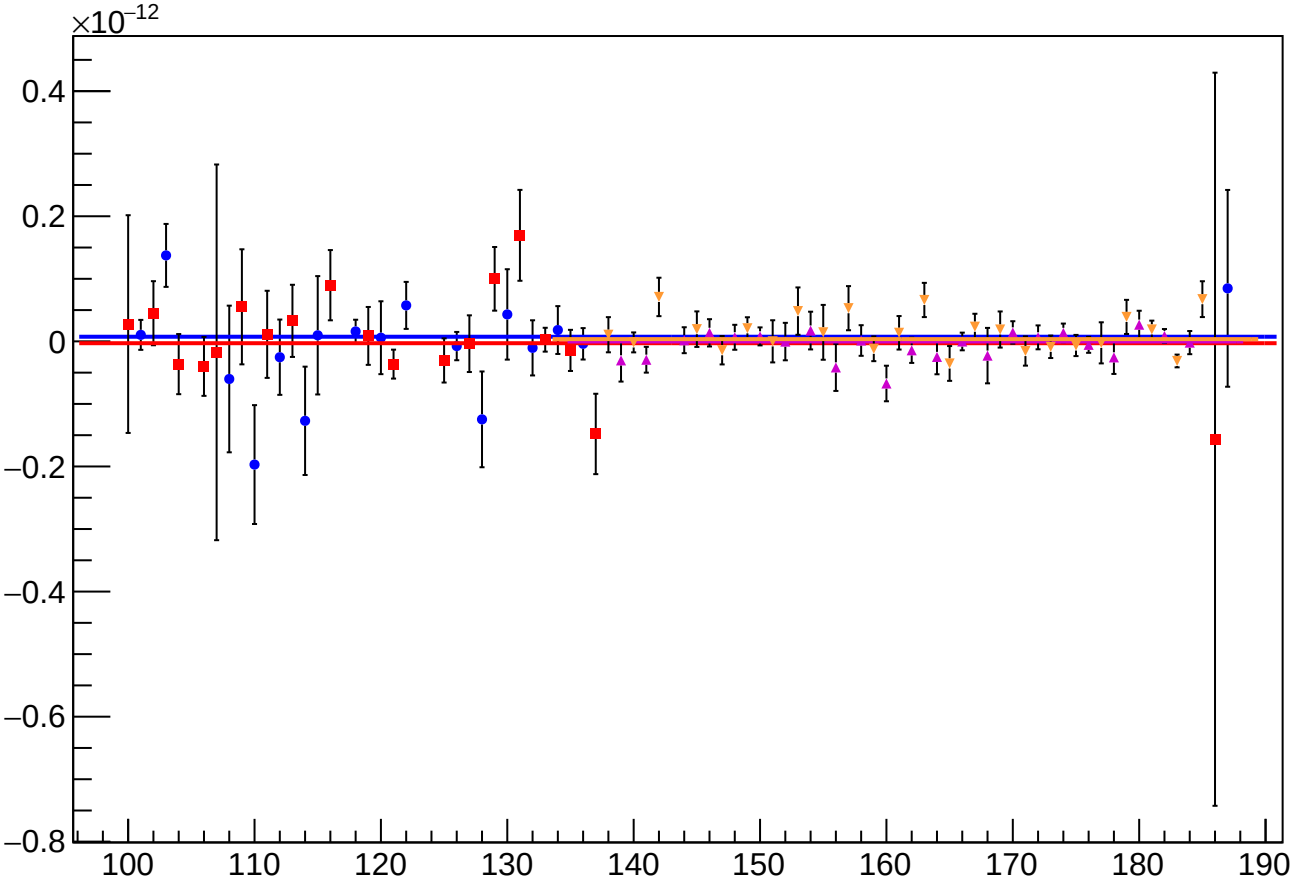
Right Out: 68.418+/-0.019 χ^2/NDF: 1407443.4/18

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.458+/-0.009 χ^2/NDF: 1883693.5/40

All: 64.789+/-0.007 χ^2/NDF: 4172275.8/82

- sign 65.127+/-0.009 χ^2/NDF: 2286073.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/18

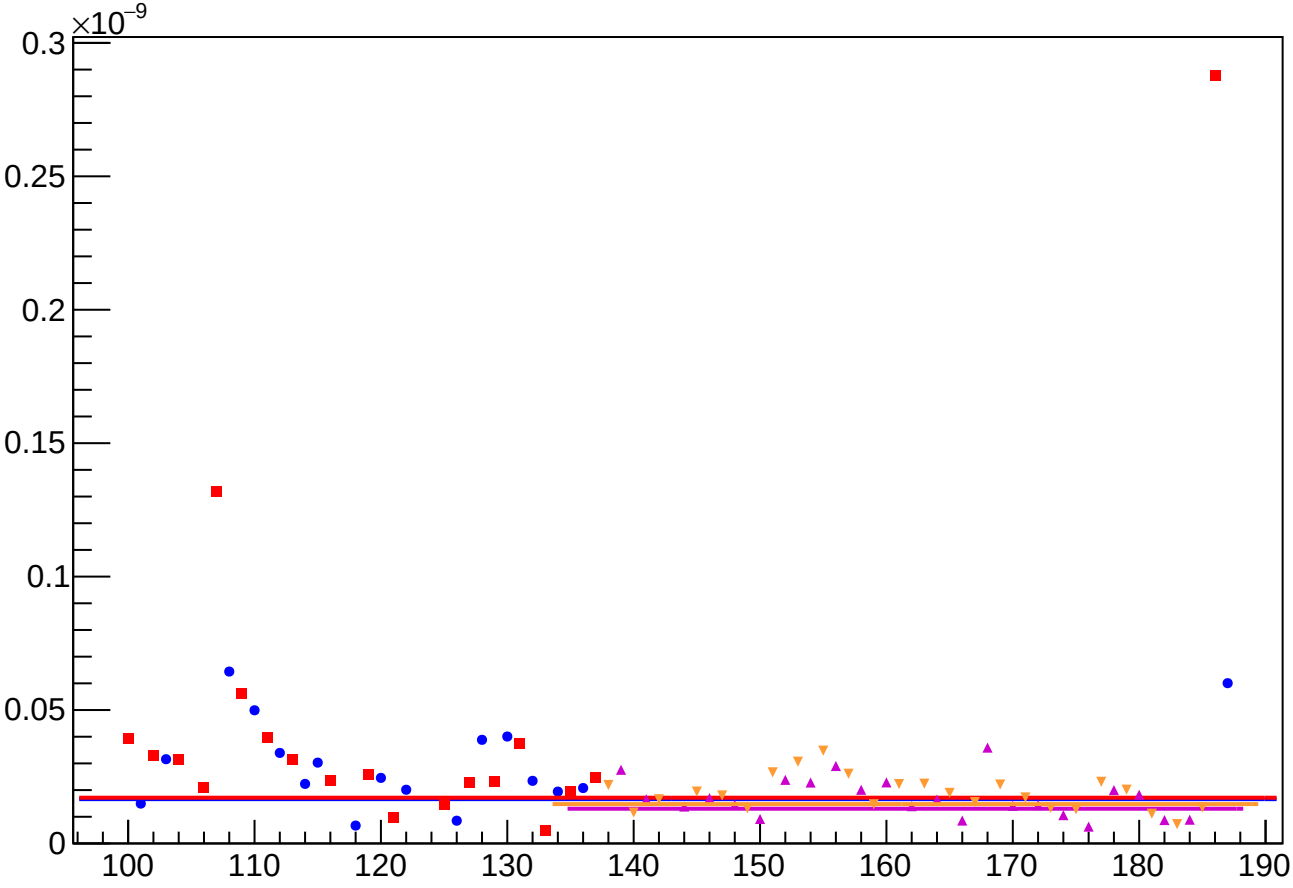
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.4/40

All: 0.000+/-0.000 χ^2/NDF: 102.8/82

- sign -0.000+/-0.000 χ^2/NDF: 40.6/41

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2499046.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3217590.6/18

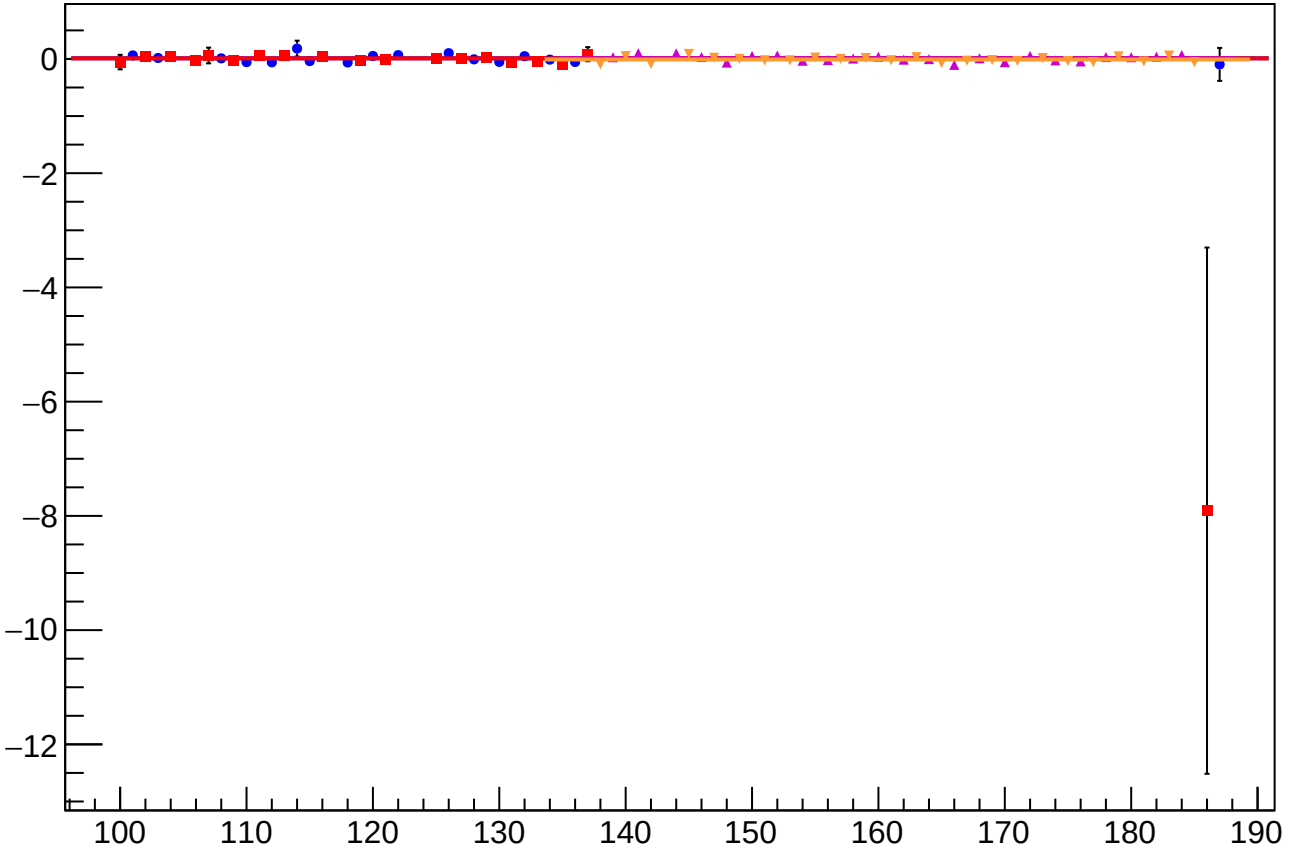
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6097206.6/40

All: 0.000+/-0.000 χ^2/NDF: 13691531.5/82

- sign 0.000+/-0.000 χ^2/NDF: 7445995.3/41

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.014 χ^2/NDF: 14.8/16

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.011+/-0.013 χ^2/NDF: 12.9/18

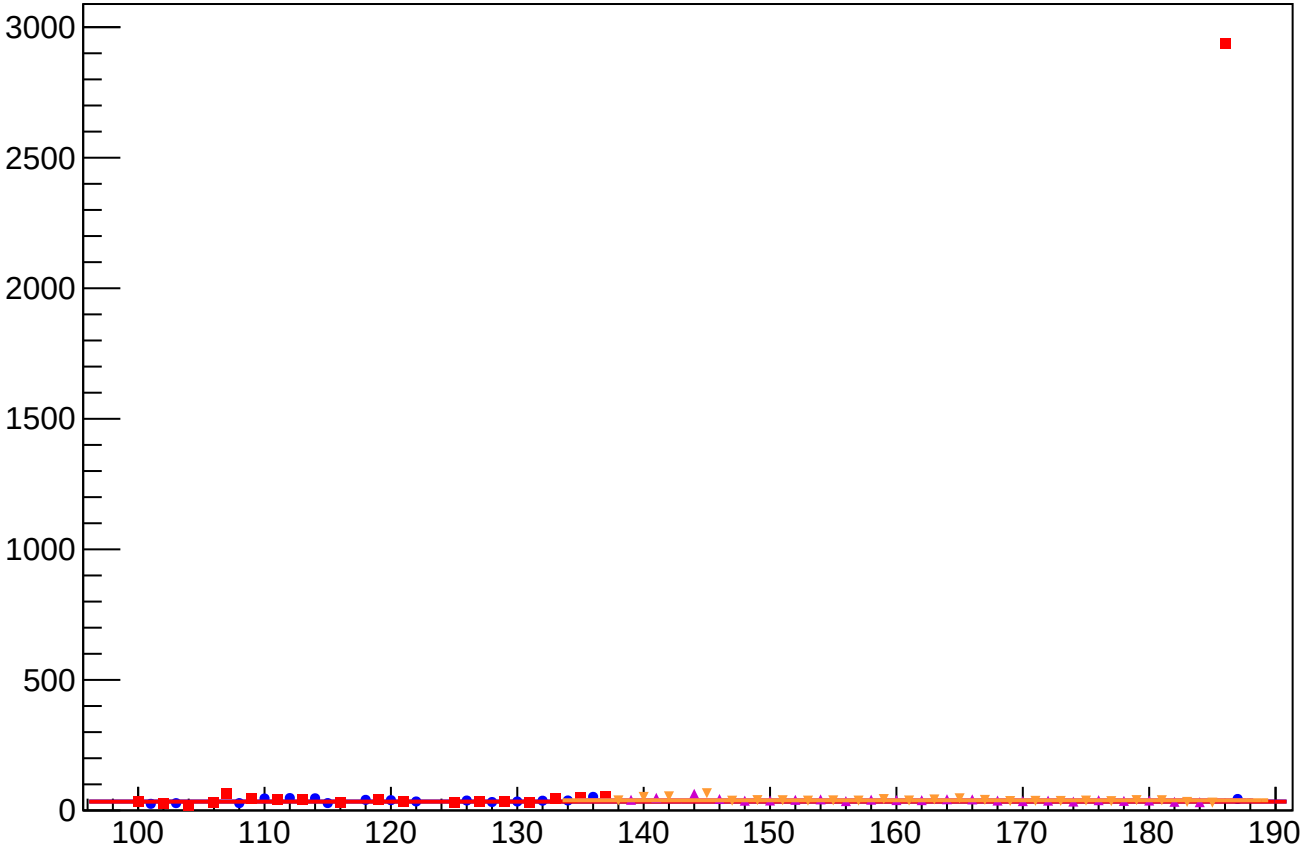
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 35.9/40

All: 0.004+/-0.006 χ^2/NDF: 73.7/82

- sign 0.011+/-0.008 χ^2/NDF: 36.1/41

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 34.276+/-0.010 χ^2/NDF: 638291.4/16

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

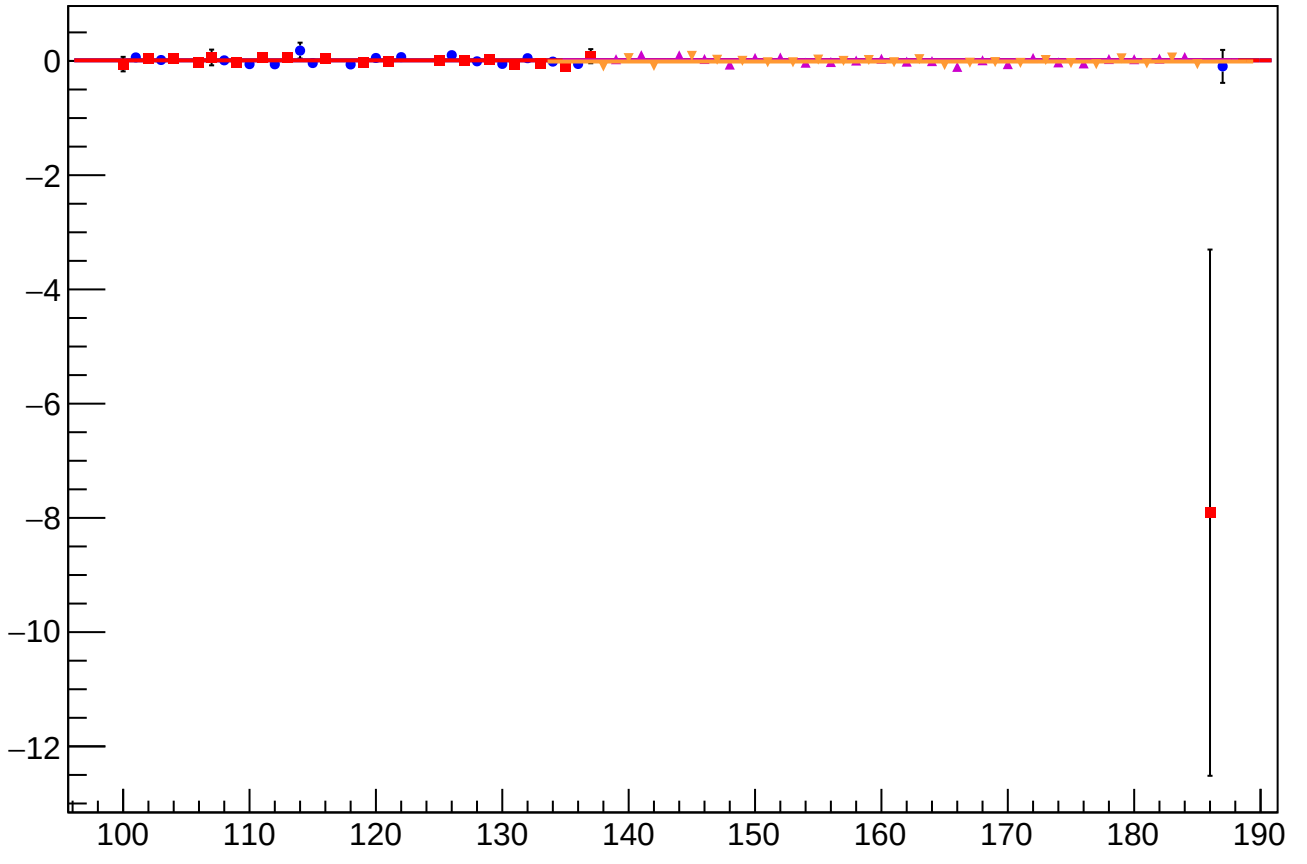
Right Out: 33.771+/-0.010 χ^2/NDF: 1707608.3/18

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.440+/-0.005 χ^2/NDF: 1423524.8/40

All: 37.401+/-0.004 χ^2/NDF: 3868039.0/82

- sign 37.362+/-0.006 χ^2/NDF: 2444414.9/41



Right In: 0.012+/-0.014 χ^2/NDF: 14.8/16

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.011+/-0.013 χ^2/NDF: 12.9/18

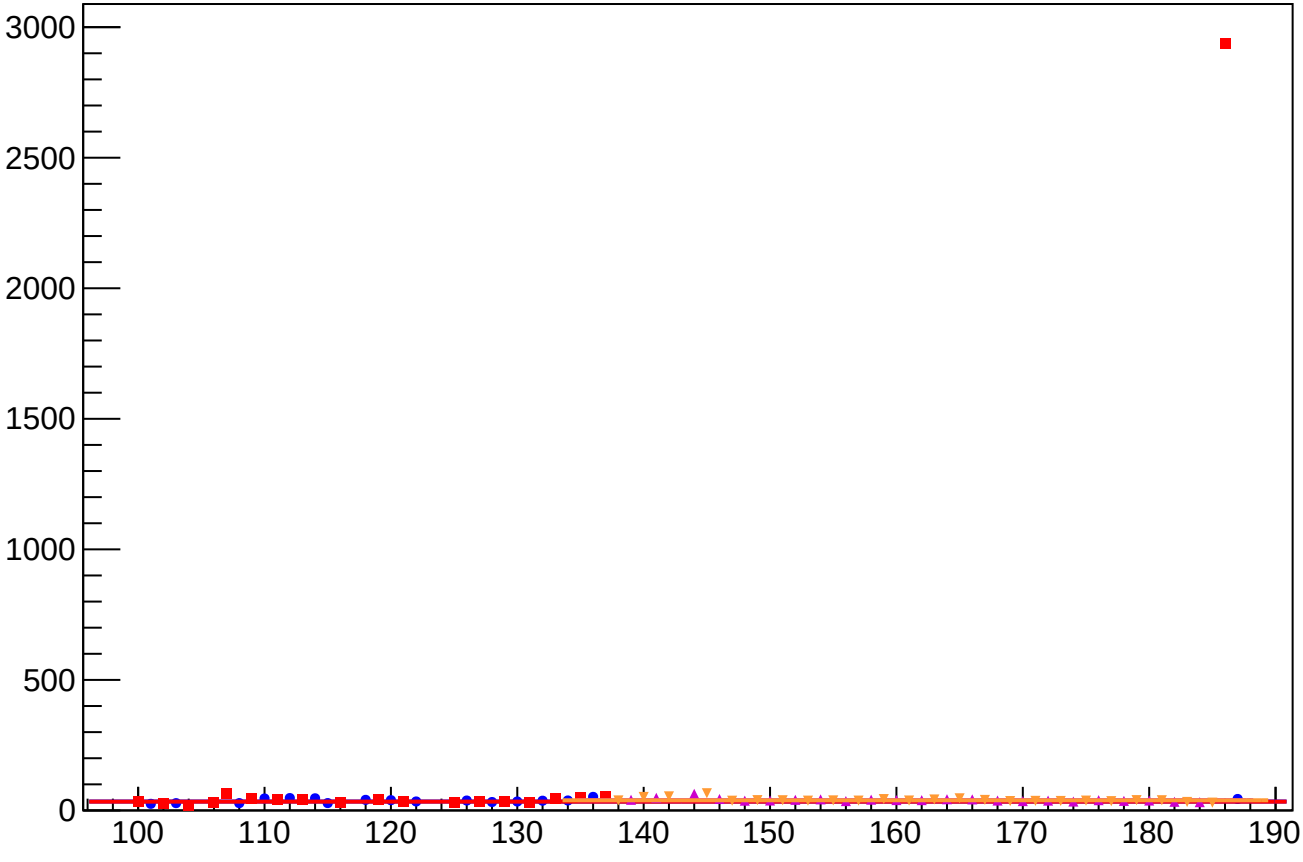
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.003+/-0.008 χ^2/NDF: 35.9/40

All: 0.004+/-0.006 χ^2/NDF: 73.7/82

- sign 0.011+/-0.008 χ^2/NDF: 36.1/41

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 34.276+/-0.010 χ^2/NDF: 638291.4/16

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.771+/-0.010 χ^2/NDF: 1707608.3/18

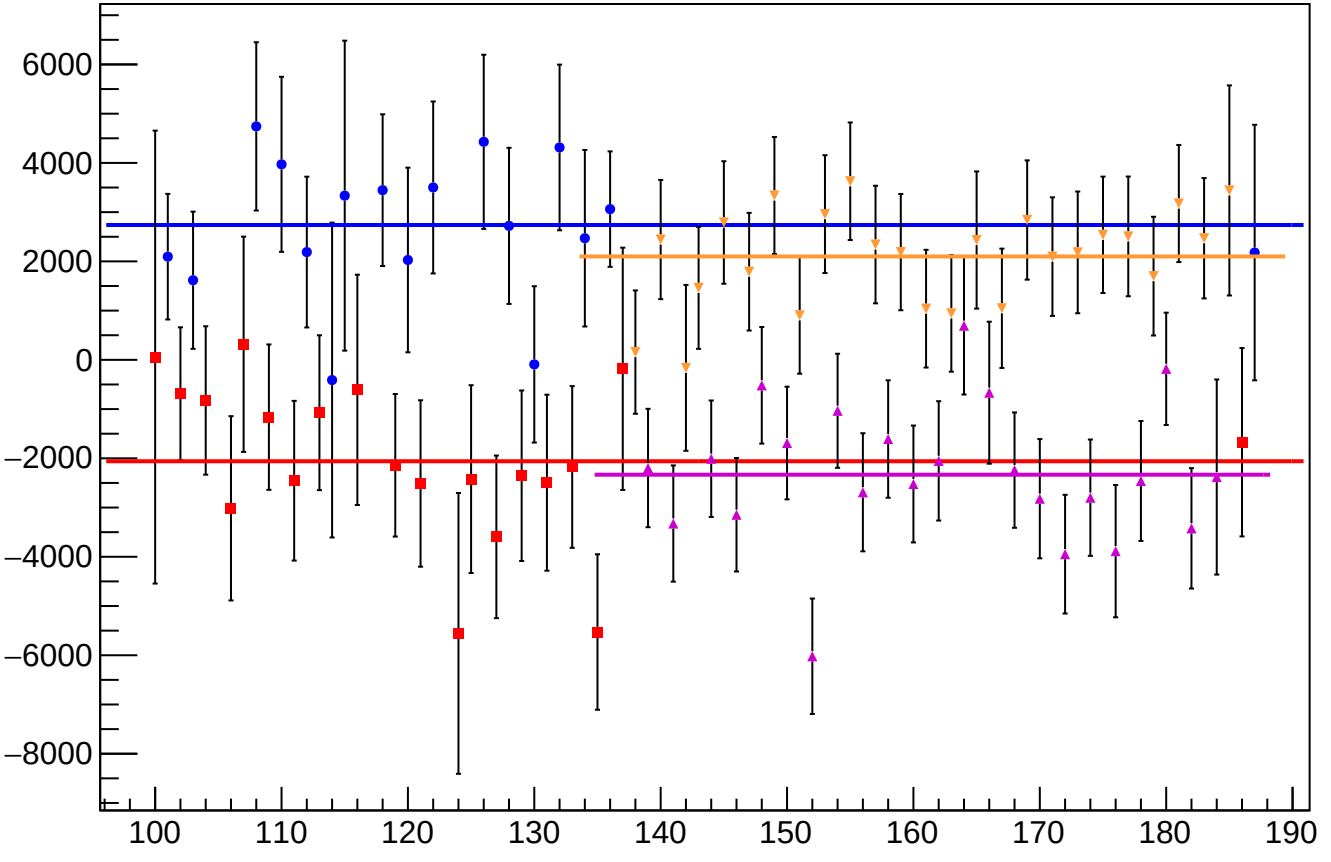
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 37.440+/-0.005 χ^2/NDF: 1423524.8/40

All: 37.401+/-0.004 χ^2/NDF: 3868039.0/82

- sign 37.362+/-0.006 χ^2/NDF: 2444414.9/41

reg_asym_usr_mean vs Slug



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2059.270+/-395.087 χ^2/NDF: 12.6/19

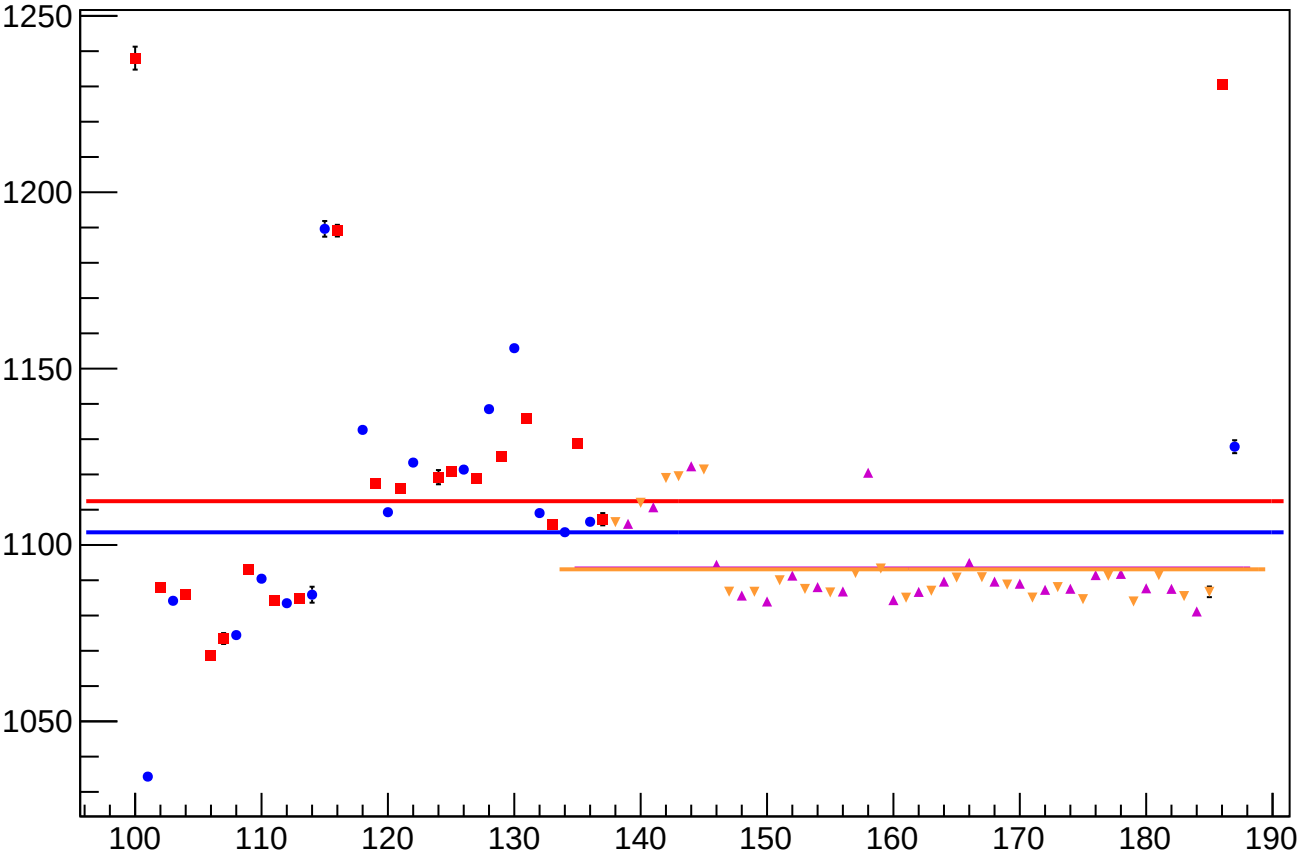
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.020+/-211.662 χ^2/NDF: 25.2/41

All: 40.625+/-150.633 χ^2/NDF: 293.4/84

- sign -2252.345+/-214.418 χ^2/NDF: 42.4/42

reg_asym_usr_rms vs Slug



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

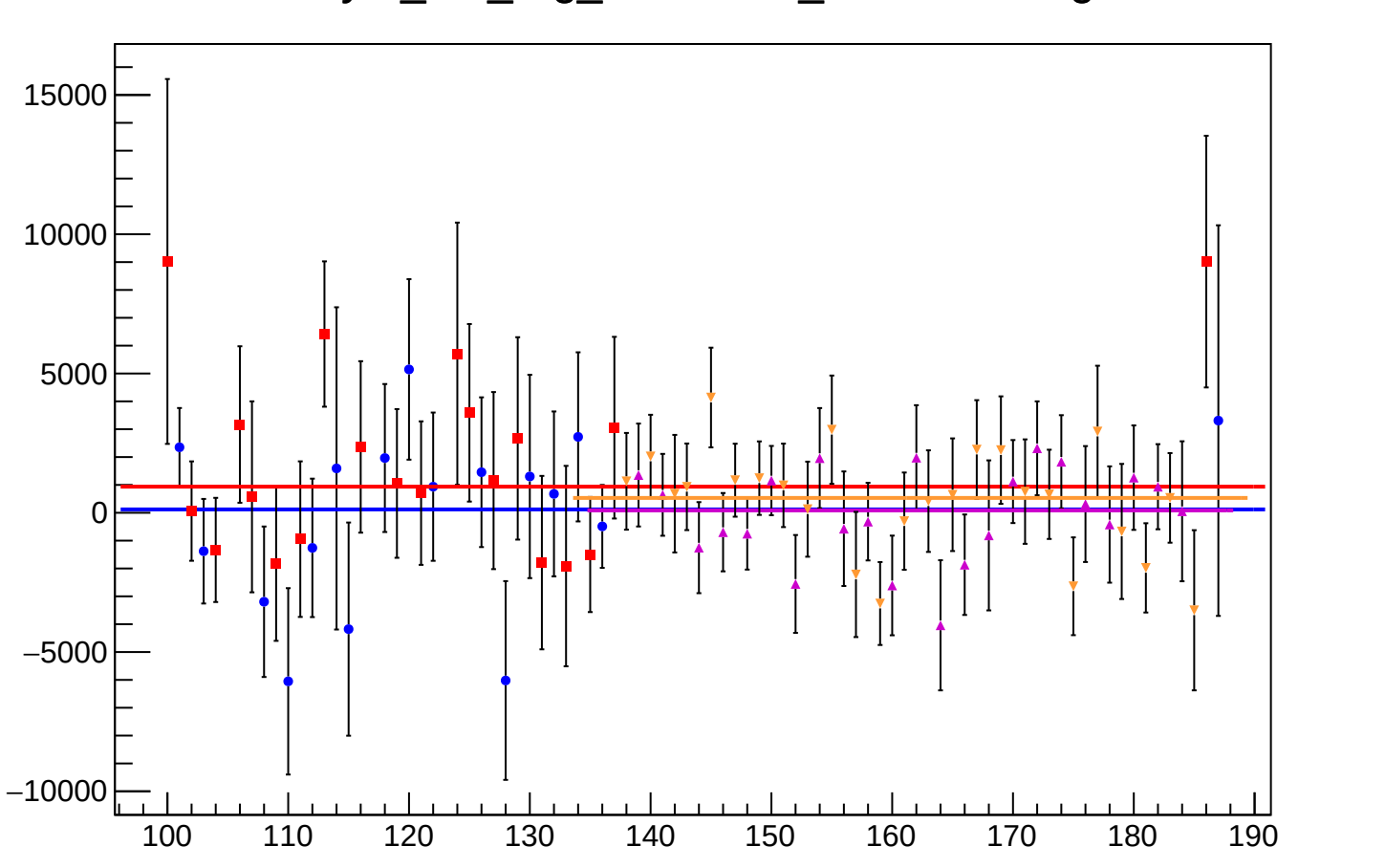
Right Out: 1112.418+/-0.279 χ^2/NDF: 16634.5/19

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.970+/-0.150 χ^2/NDF: 18362.2/41

All: 1097.445+/-0.107 χ^2/NDF: 42209.7/84

- sign 1098.958+/-0.152 χ^2/NDF: 23650.8/42



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 937.621+/-630.728 χ^2/NDF: 18.3/19

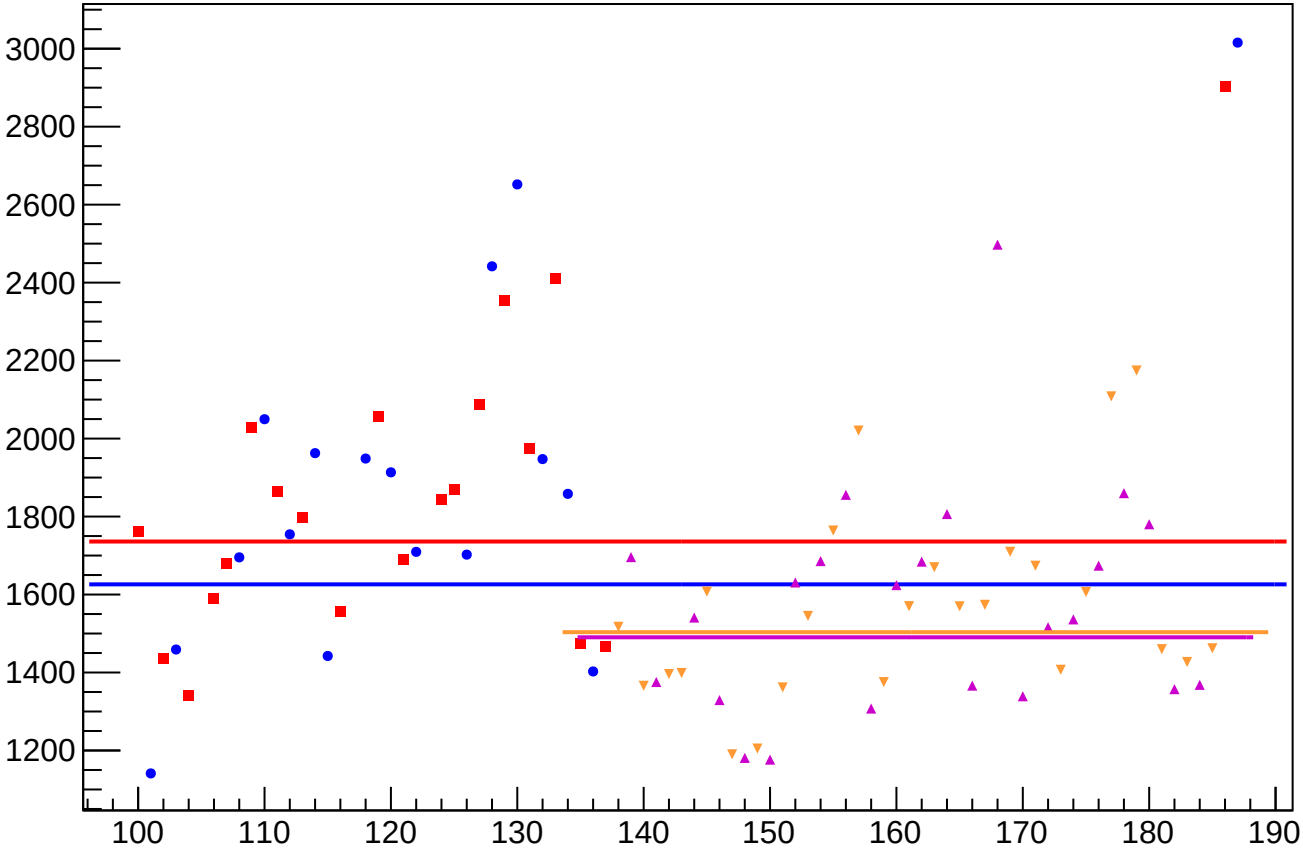
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 433.509+/-302.444 χ^2/NDF: 43.9/41

All: 362.937+/-216.024 χ^2/NDF: 81.8/84

- sign 289.436+/-308.657 χ^2/NDF: 37.8/42

asym_usr_reg_correction_rms vs Slug



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

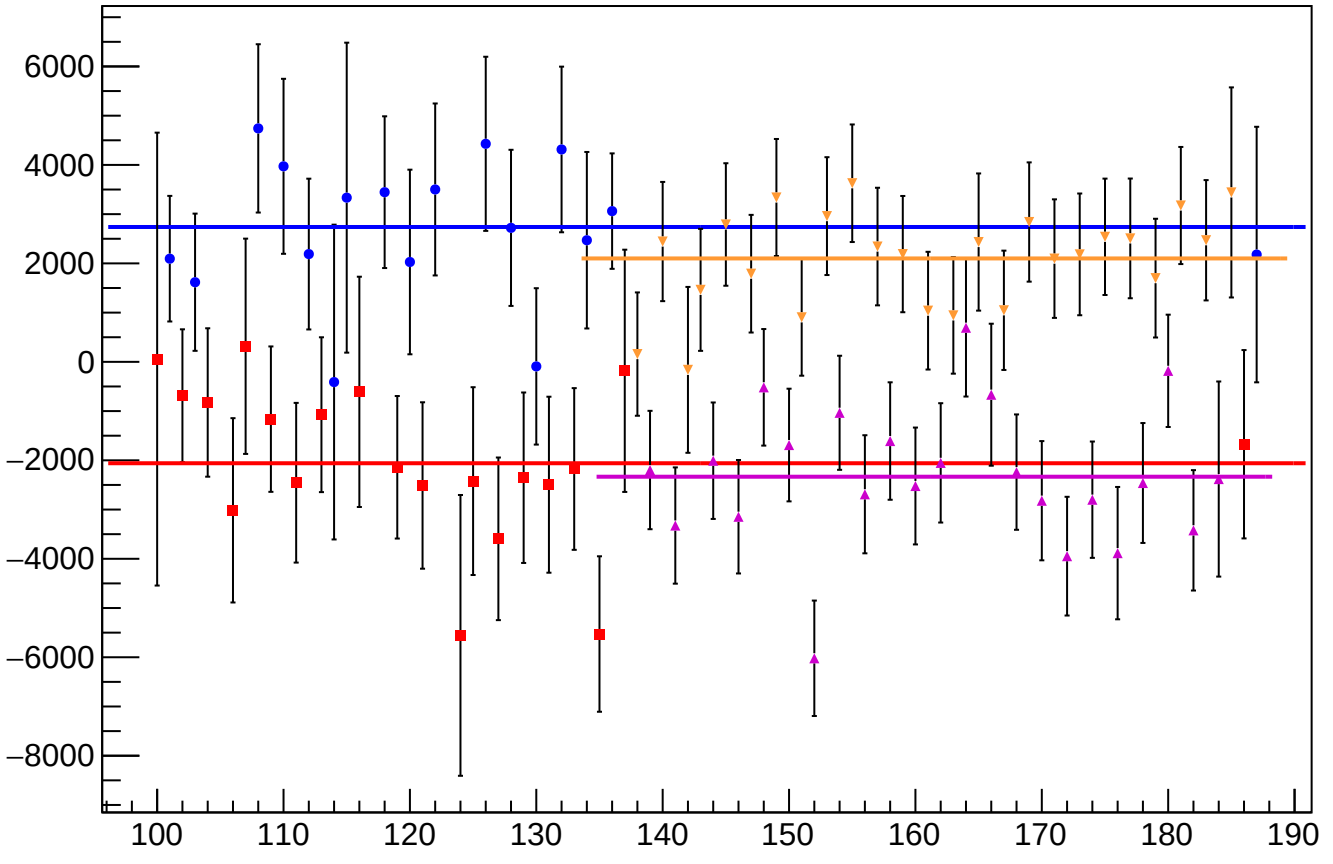
Right Out: 1735.984+/-0.446 χ^2/NDF: 564017.2/19

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1533.037+/-0.214 χ^2/NDF: 1632680.5/41

All: 1540.929+/-0.153 χ^2/NDF: 3398458.5/84

- sign 1549.147+/-0.218 χ^2/NDF: 1762998.4/42



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2059.270+/-395.087 χ^2/NDF: 12.6/19

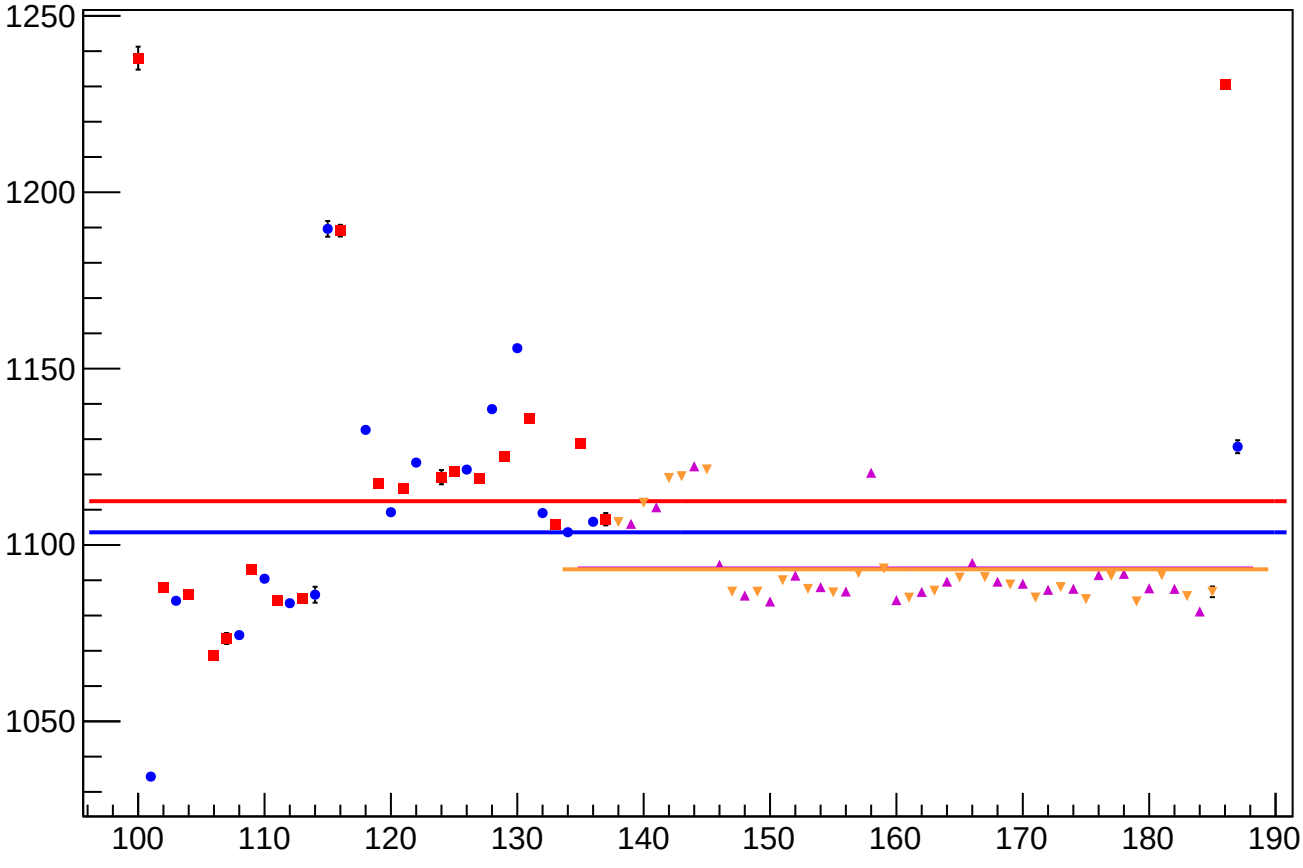
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.020+/-211.662 χ^2/NDF: 25.2/41

All: 40.625+/-150.633 χ^2/NDF: 293.4/84

- sign -2252.345+/-214.418 χ^2/NDF: 42.4/42

cor_asym_usr_rms vs Slug



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

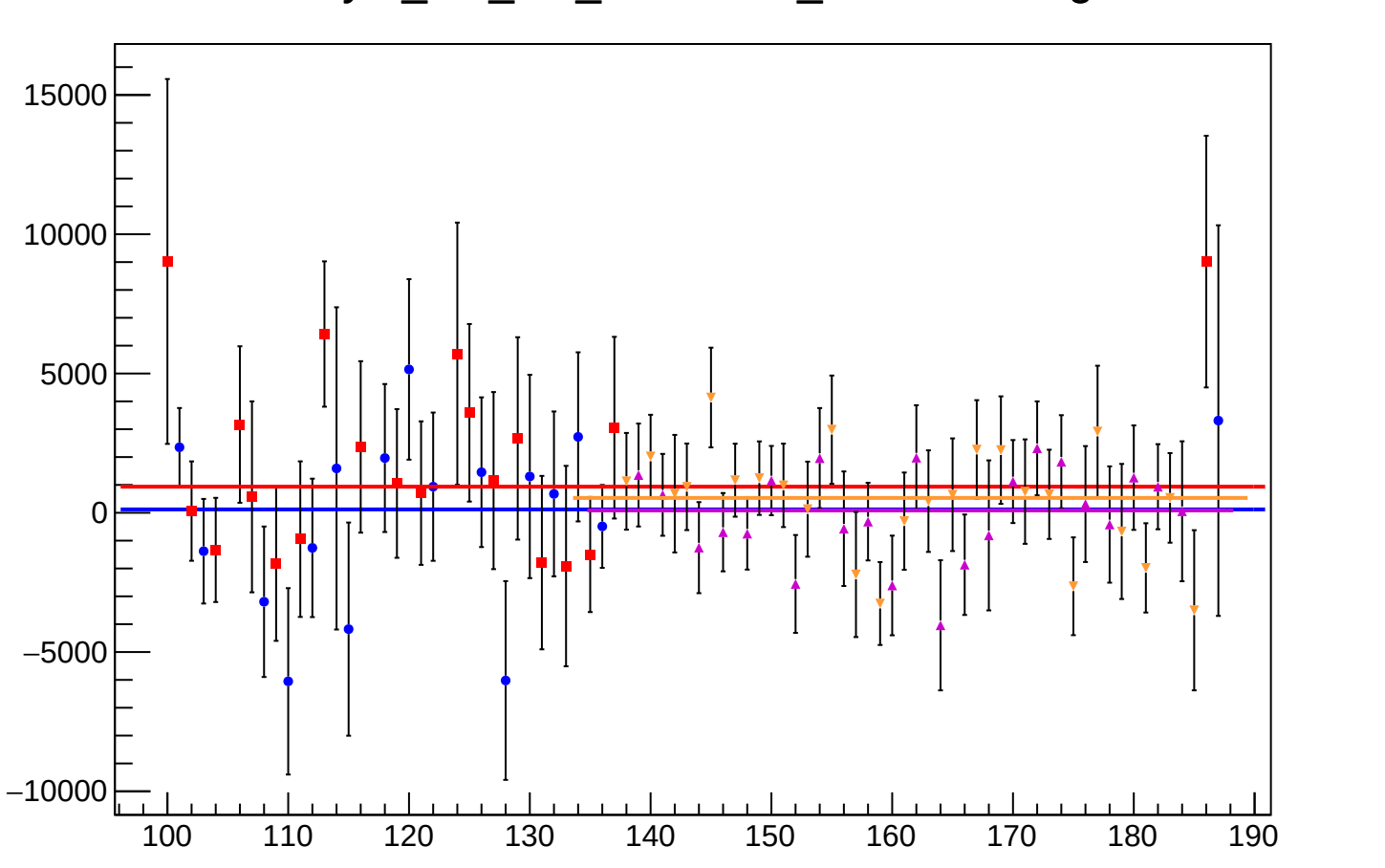
Right Out: 1112.418+/-0.279 χ^2/NDF: 16634.5/19

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.970+/-0.150 χ^2/NDF: 18362.2/41

All: 1097.445+/-0.107 χ^2/NDF: 42209.7/84

- sign 1098.958+/-0.152 χ^2/NDF: 23650.8/42



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 937.621+/-630.728 χ^2/NDF: 18.3/19

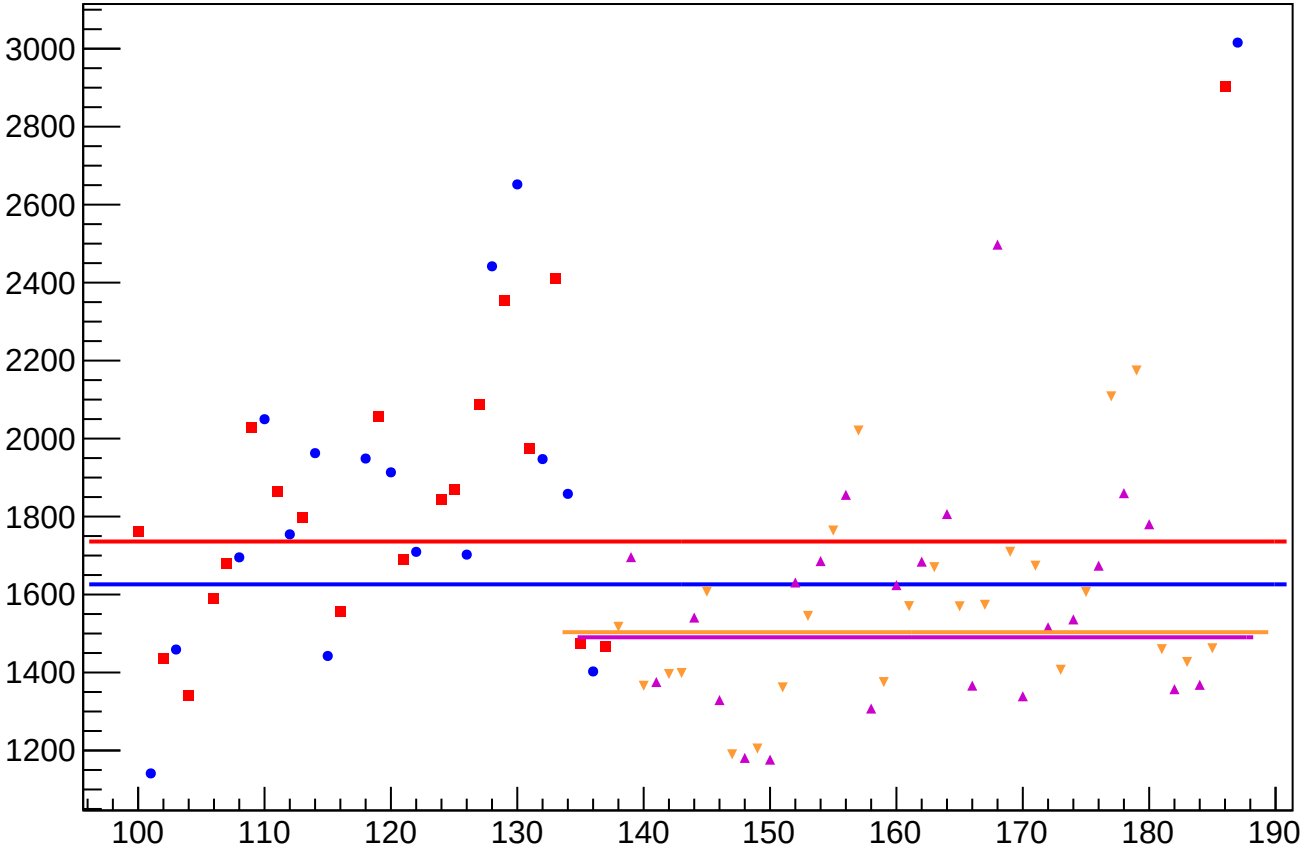
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 433.509+/-302.444 χ^2/NDF: 43.9/41

All: 362.937+/-216.024 χ^2/NDF: 81.8/84

- sign 289.436+/-308.657 χ^2/NDF: 37.8/42

asym_usr_cor_correction_rms vs Slug



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1735.984+/-0.446 χ^2/NDF: 564017.2/19

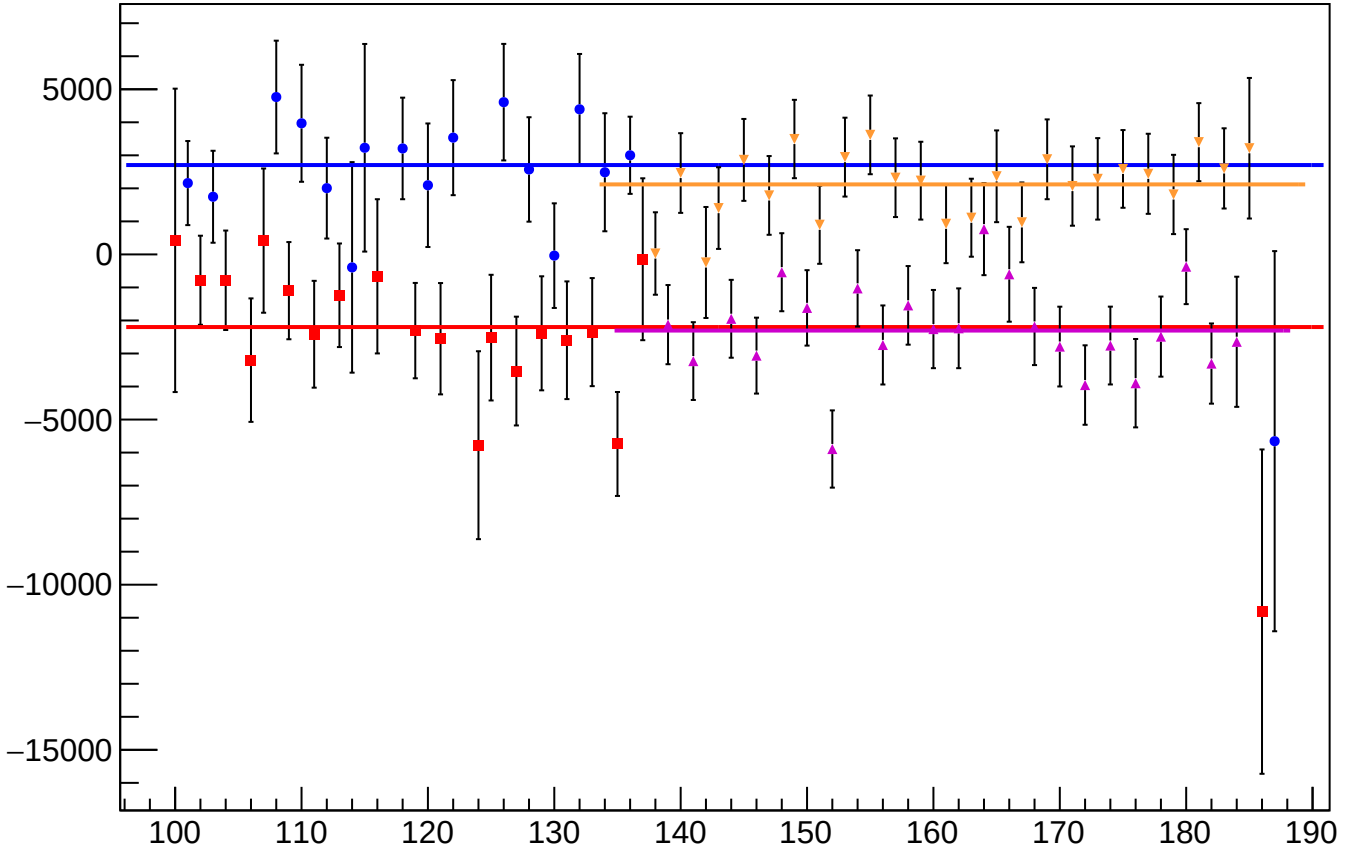
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1533.037+/-0.214 χ^2/NDF: 1632680.5/41

All: 1540.929+/-0.153 χ^2/NDF: 3398458.5/84

- sign 1549.147+/-0.218 χ^2/NDF: 1762998.4/42

overload_cor_asym_usr_mean vs Slug



Right In: 2705.760+/-407.732 χ^2/NDF: 11.6/16

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2199.149+/-401.440 χ^2/NDF: 16.7/19

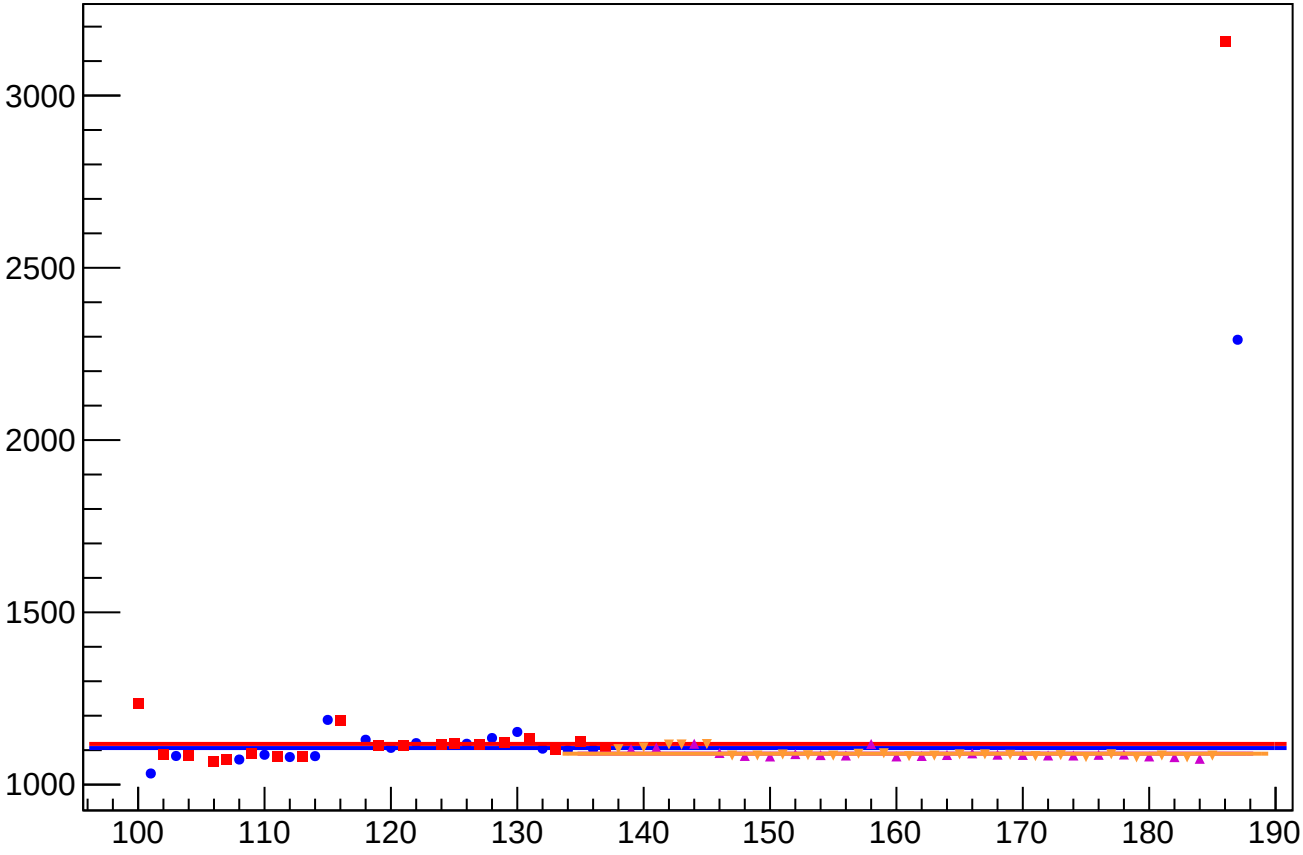
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2277.741+/-211.599 χ^2/NDF: 28.3/41

All: 37.088+/-150.792 χ^2/NDF: 301.2/84

- sign -2274.948+/-214.943 χ^2/NDF: 45.2/42

overload_cor_asym_usr_rms vs Slug



Right In: 1106.069+/-0.288 χ^2/NDF: 98316.7/16

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

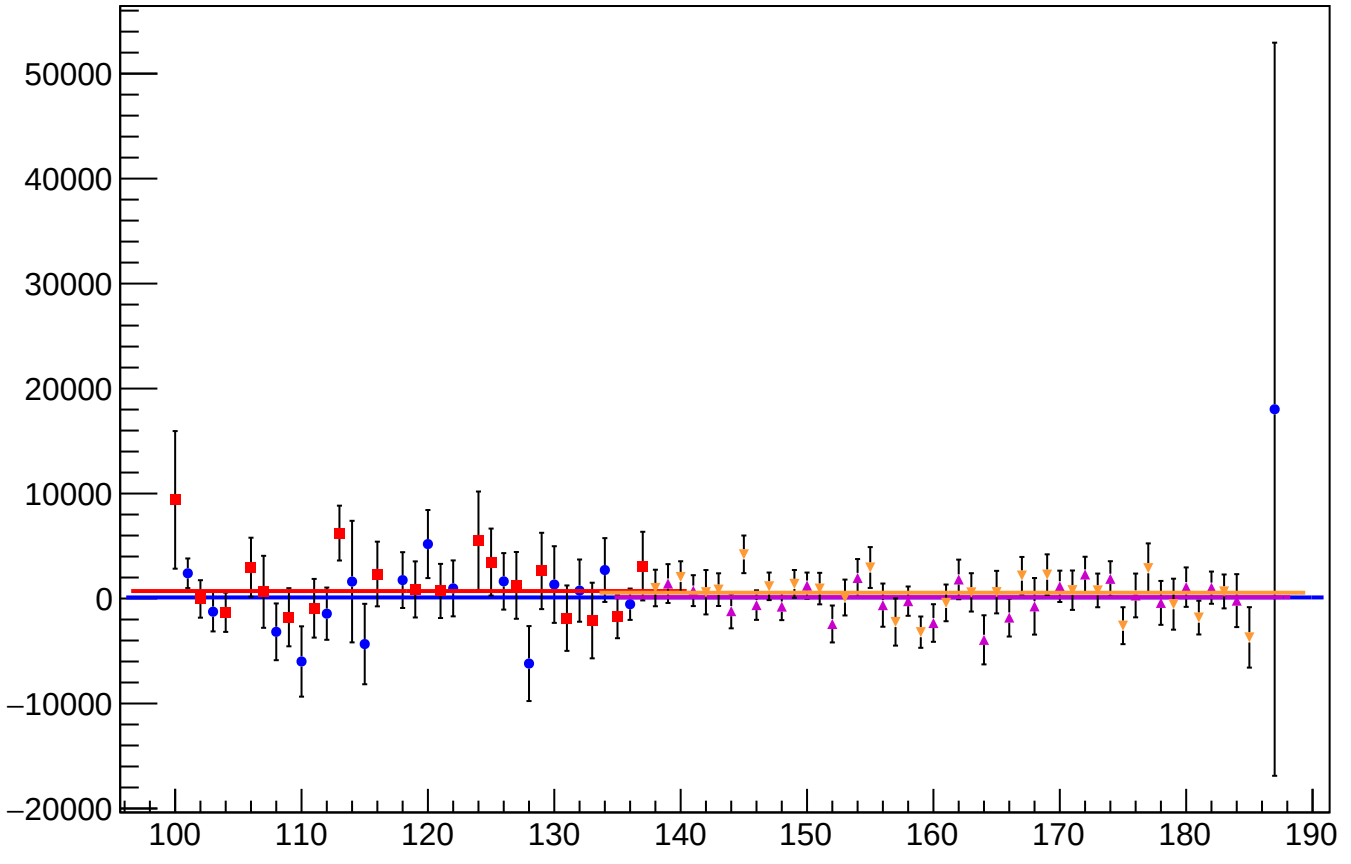
Right Out: 1118.115+/-0.284 χ^2/NDF: 355296.7/19

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1094.141+/-0.150 χ^2/NDF: 104717.2/41

All: 1096.057+/-0.107 χ^2/NDF: 471258.5/84

- sign 1098.035+/-0.152 χ^2/NDF: 366208.0/42



Right In: 103.067+/-618.779 χ^2/NDF: 17.5/16

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 711.287+/-637.587 χ^2/NDF: 14.9/18

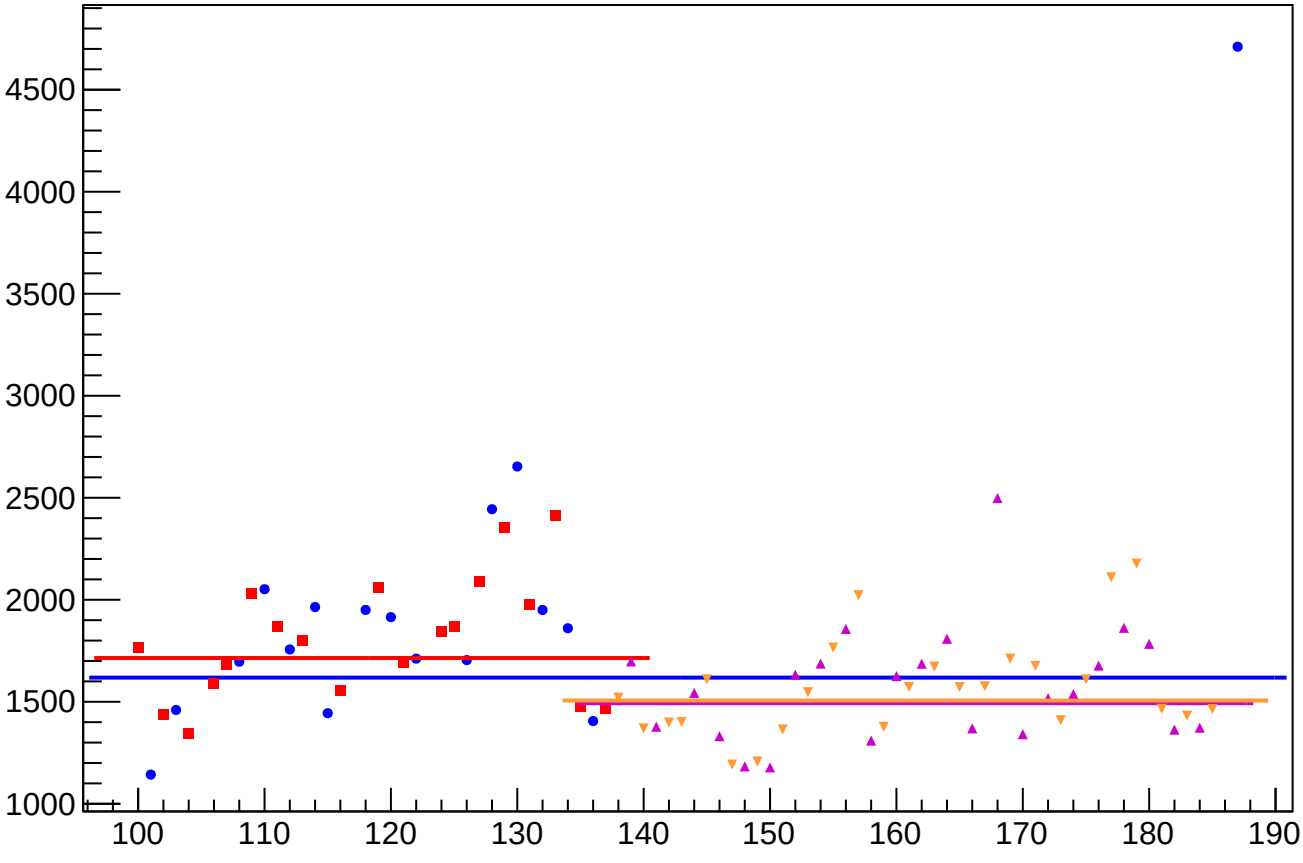
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 445.551+/-303.197 χ^2/NDF: 44.0/41

All: 355.151+/-216.709 χ^2/NDF: 76.9/83

- sign 260.735+/-309.857 χ^2/NDF: 32.7/41

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1618.462+/-0.438 χ^2/NDF: 707417.2/16

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

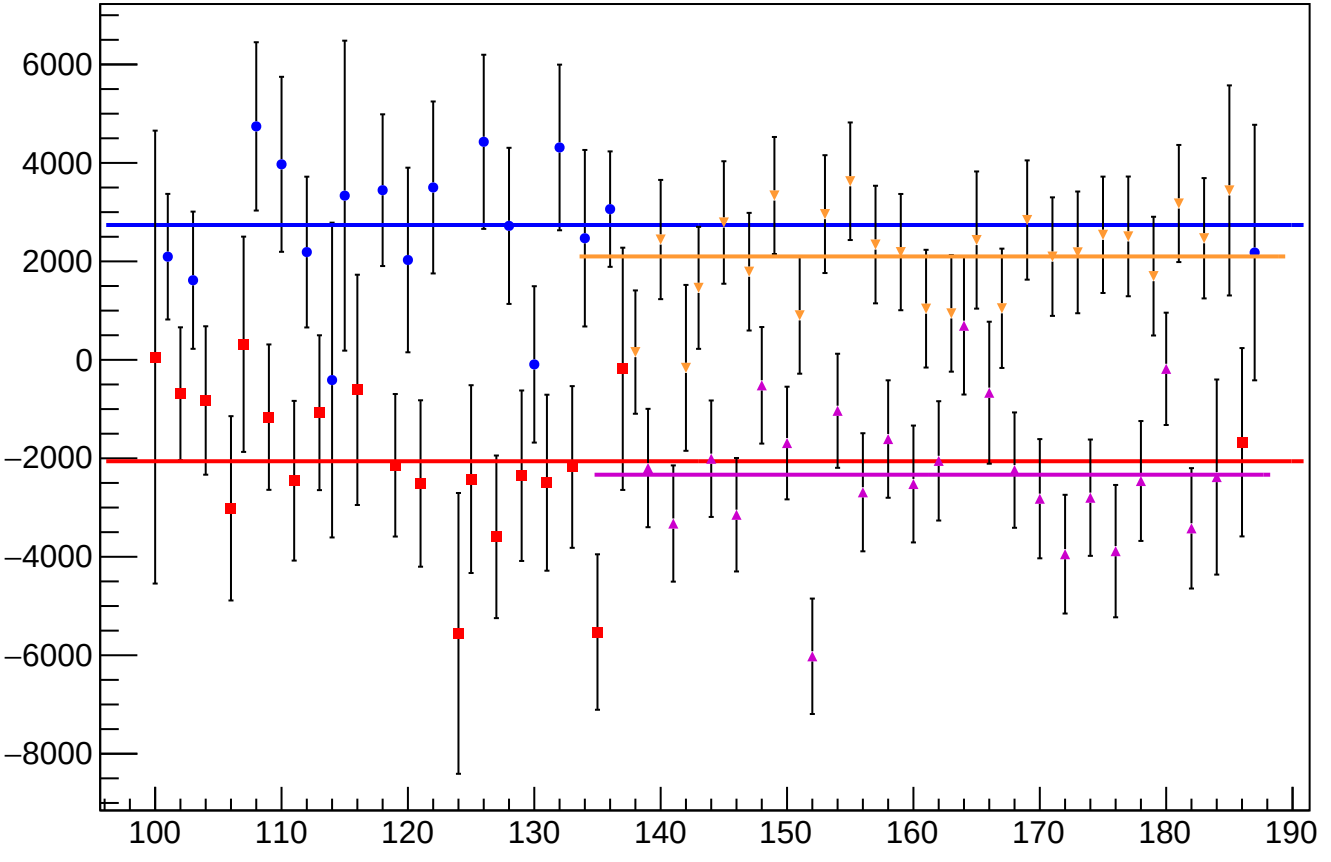
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1533.080+/-0.214 χ^2/NDF: 1553930.7/41

All: 1539.056+/-0.153 χ^2/NDF: 3132009.2/83

- sign 1545.297+/-0.219 χ^2/NDF: 1576490.0/41

eigen_cor_asym_usr_mean vs Slug



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2059.270+/-395.087 χ^2/NDF: 12.6/19

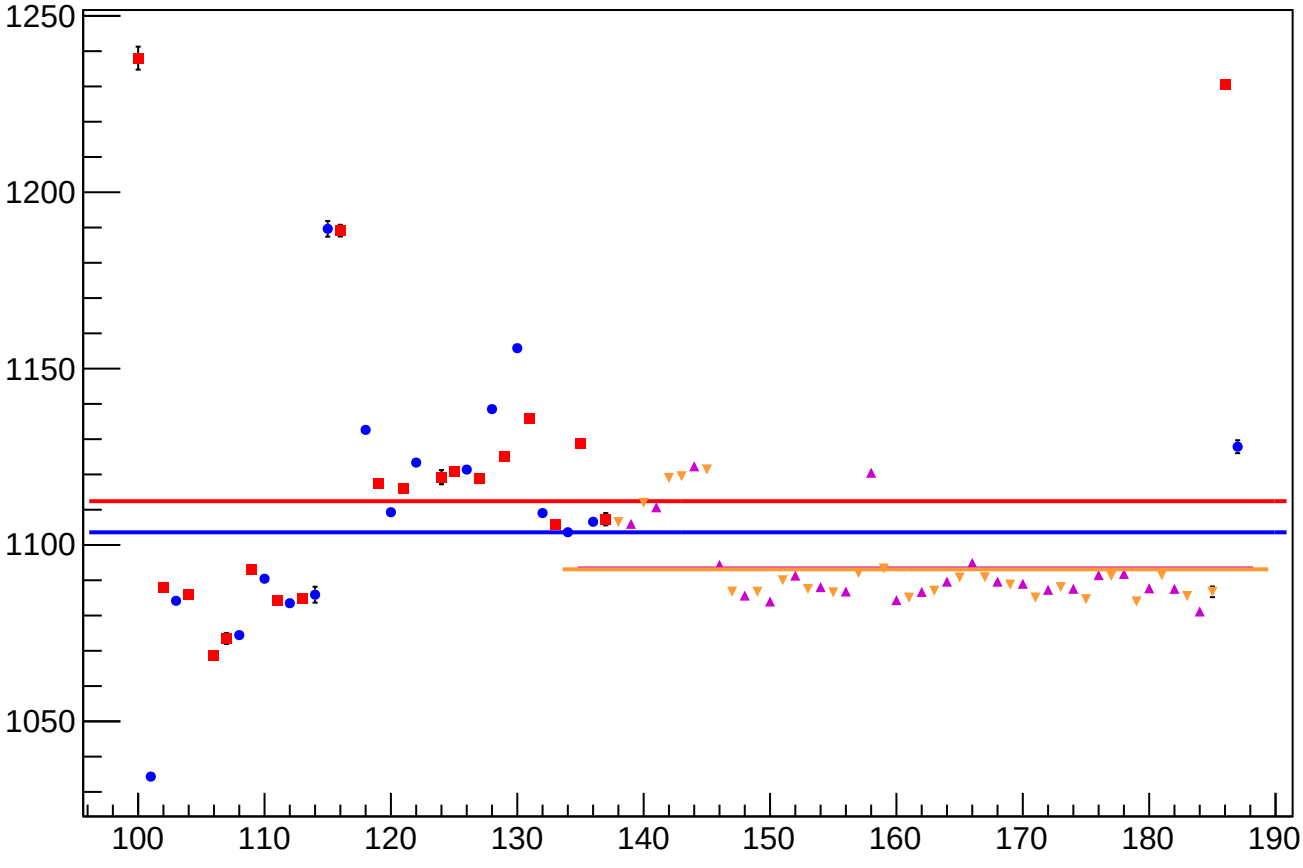
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2275.020+/-211.662 χ^2/NDF: 25.2/41

All: 40.625+/-150.633 χ^2/NDF: 293.4/84

- sign -2252.345+/-214.418 χ^2/NDF: 42.4/42

eigen_cor_asym_usr_rms vs Slug



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1112.418+/-0.279 χ^2/NDF: 16634.5/19

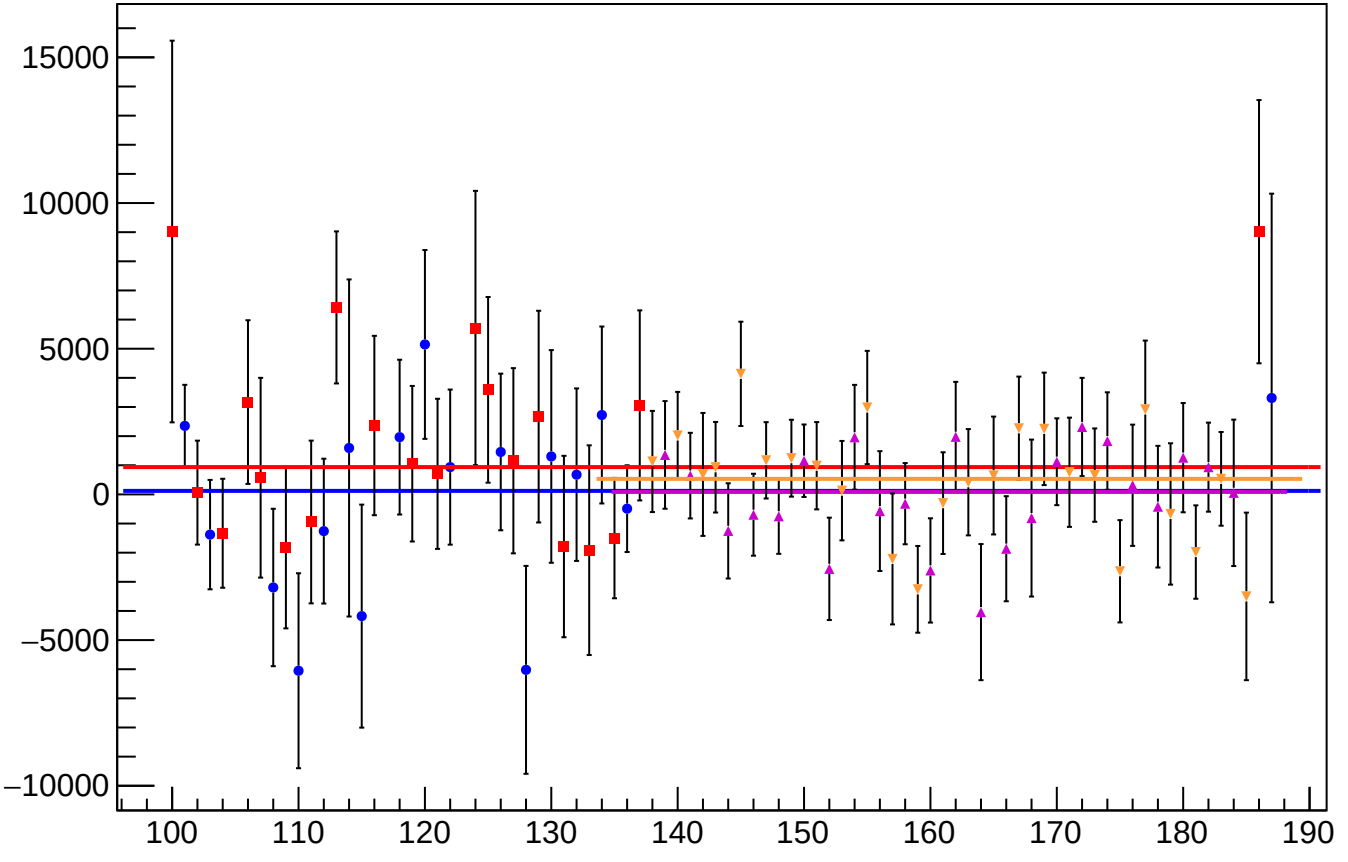
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1095.970+/-0.150 χ^2/NDF: 18362.2/41

All: 1097.445+/-0.107 χ^2/NDF: 42209.7/84

- sign 1098.958+/-0.152 χ^2/NDF: 23650.8/42

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 937.621+/-630.728 χ^2/NDF: 18.3/19

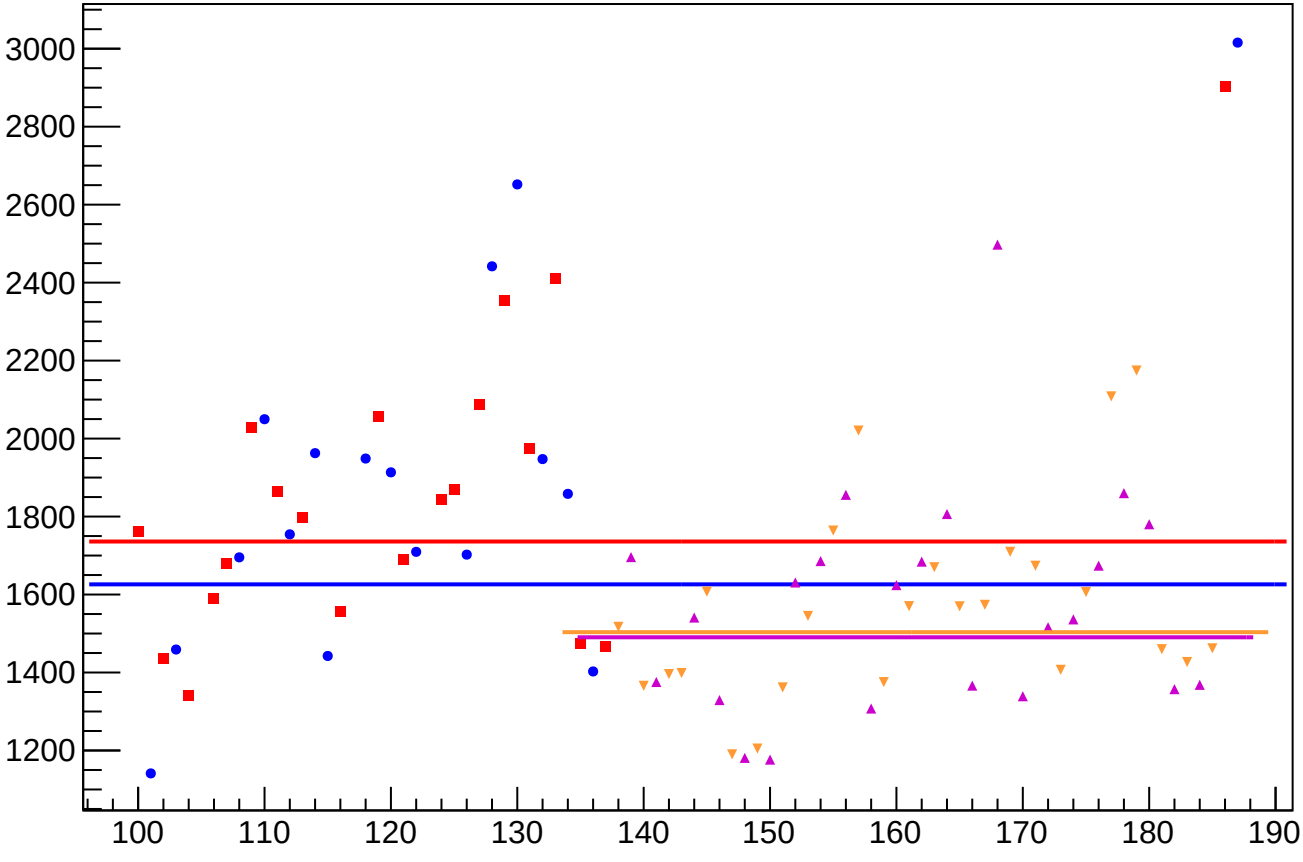
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 433.509+/-302.444 χ^2/NDF: 43.9/41

All: 362.937+/-216.024 χ^2/NDF: 81.8/84

- sign 289.436+/-308.657 χ^2/NDF: 37.8/42

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

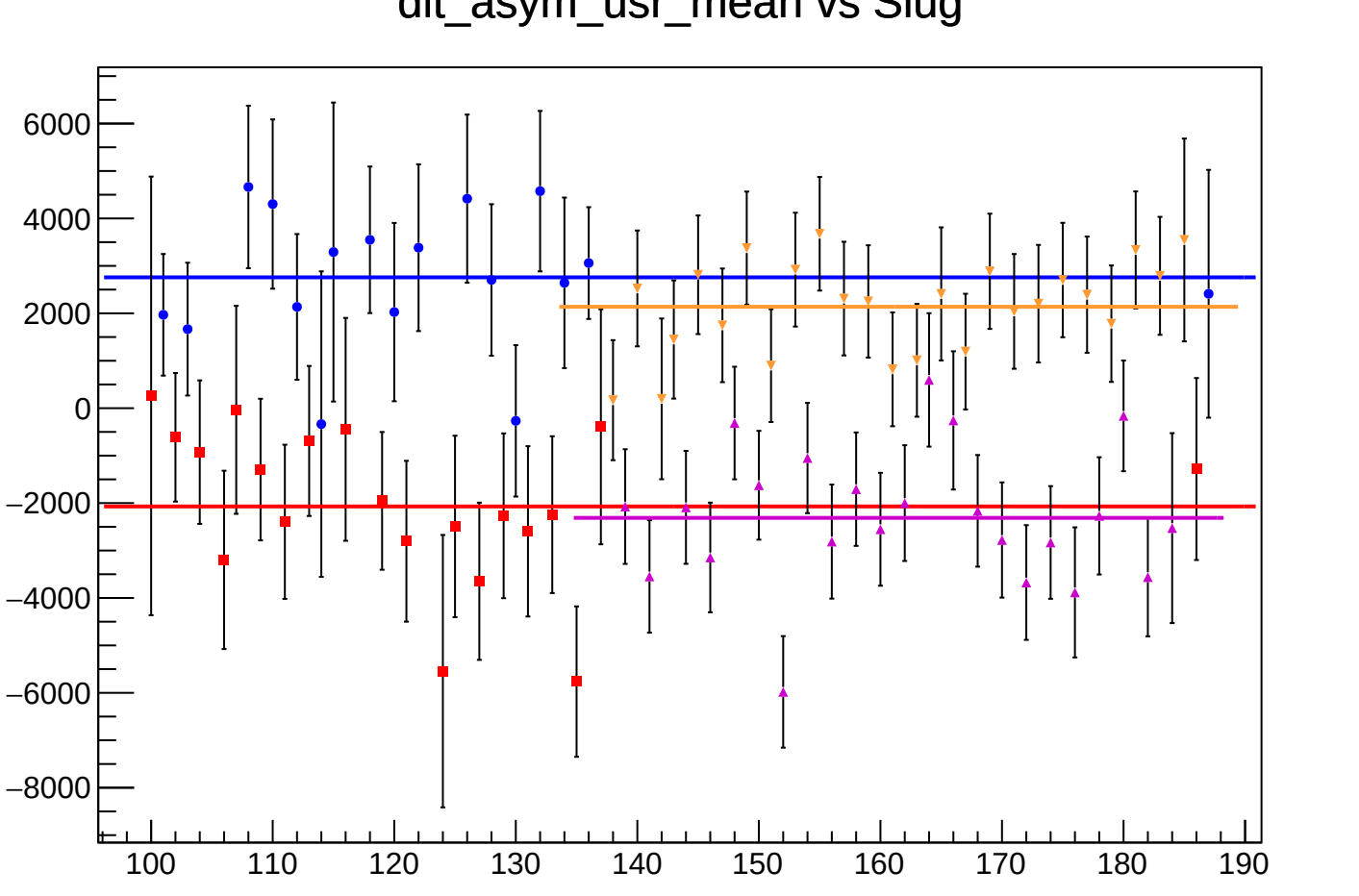
Right Out: 1735.984+/-0.446 χ^2/NDF: 564017.2/19

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1533.037+/-0.214 χ^2/NDF: 1632680.5/41

All: 1540.929+/-0.153 χ^2/NDF: 3398458.5/84

- sign 1549.147+/-0.218 χ^2/NDF: 1762998.4/42



Right In: 2758.049+/-406.546 χ^2/NDF: 10.3/16

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2071.103+/-396.813 χ^2/NDF: 13.5/19

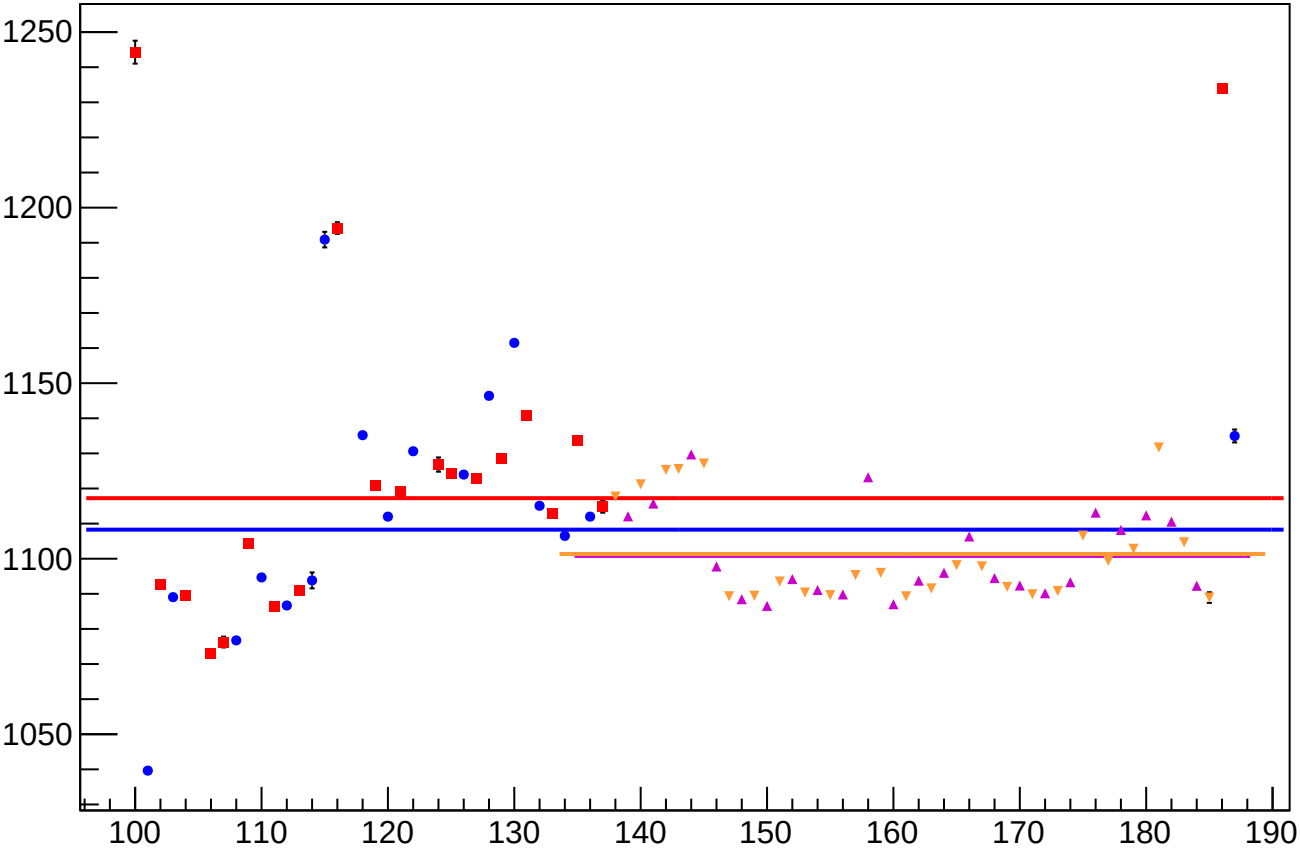
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2307.735+/-213.078 χ^2/NDF: 26.0/41

All: 61.701+/-151.598 χ^2/NDF: 294.7/84

- sign -2240.631+/-215.731 χ^2/NDF: 43.7/42

dit_asym_usr_rms vs Slug



Right In: 1108.276+/-0.287 χ^2/NDF: 13434.8/16

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1117.247+/-0.281 χ^2/NDF: 16388.4/19

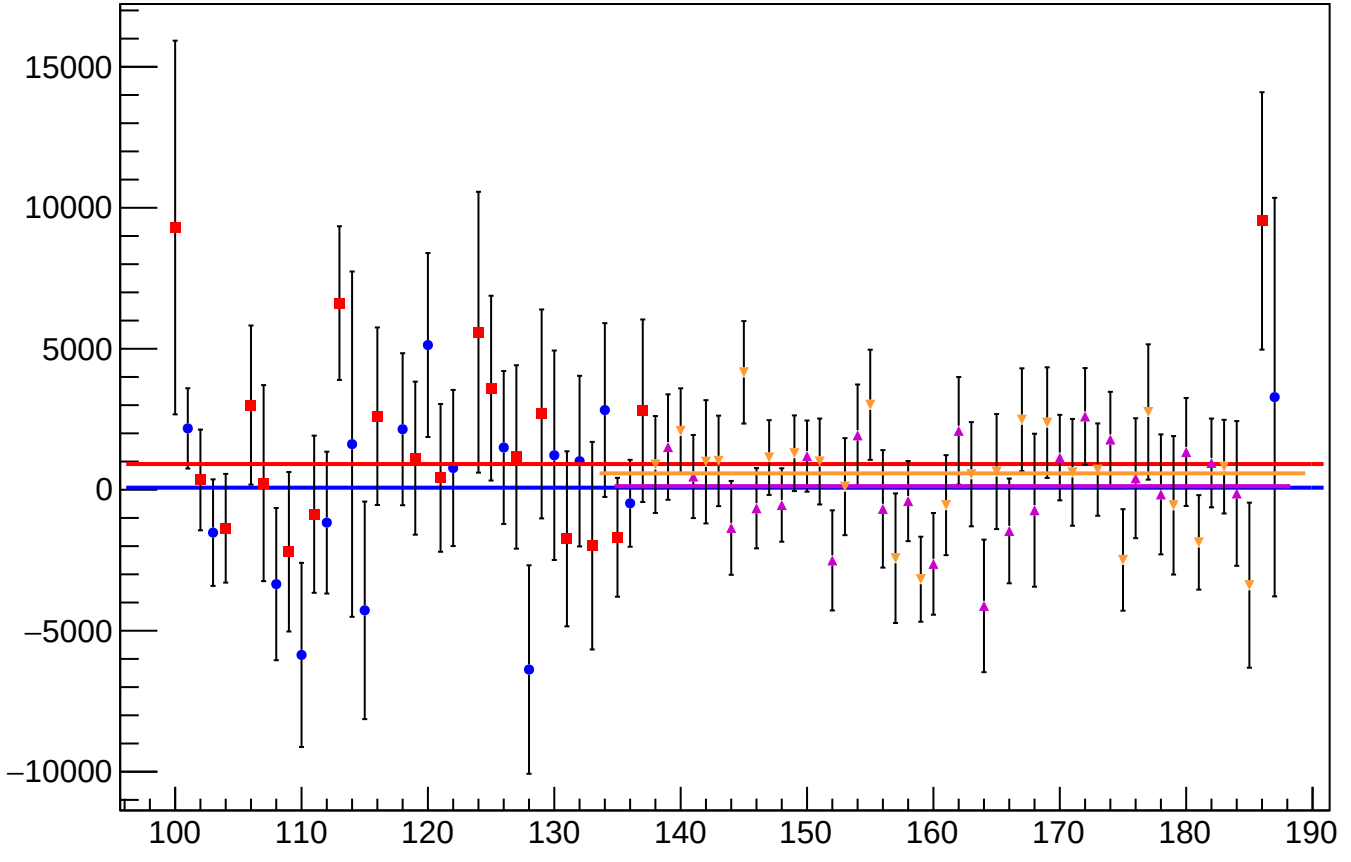
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.255+/-0.151 χ^2/NDF: 19806.0/41

All: 1104.441+/-0.107 χ^2/NDF: 43384.1/84

- sign 1105.656+/-0.153 χ^2/NDF: 23452.7/42

asym_usr_dit_correction_mean vs Slug



Right In: 73.176+/-625.595 χ^2/NDF: 17.1/16

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 911.813+/-641.370 χ^2/NDF: 18.6/19

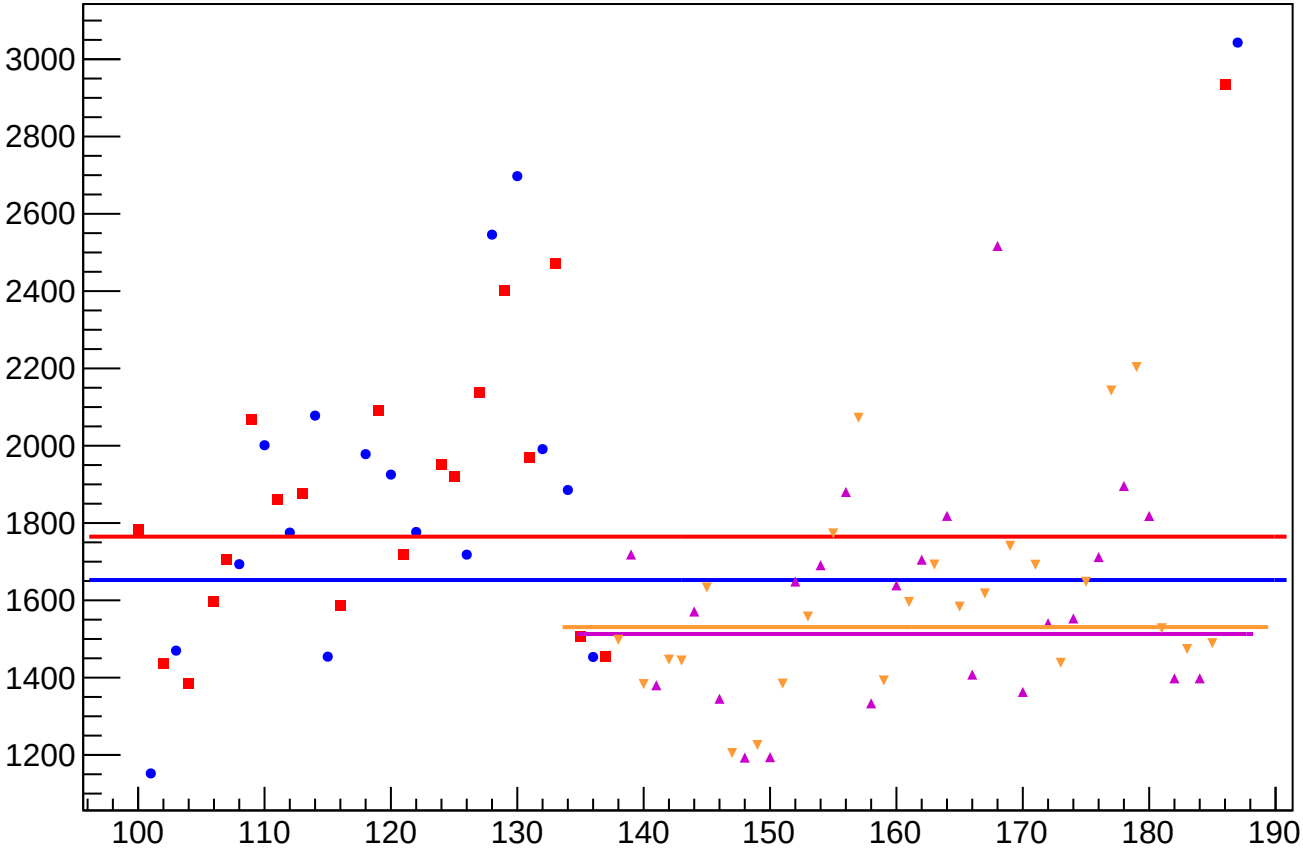
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

\+ sign 458.479+/-307.691 χ^2/NDF: 43.0/41

All: 388.379+/-219.544 χ^2/NDF: 80.6/84

\- sign 315.677+/-313.350 χ^2/NDF: 37.6/42

asym_usr_dit_correction_rms vs Slug



Right In: 1652.517+/-0.442 χ^2/NDF: 779324.3/16

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1764.735+/-0.454 χ^2/NDF: 572076.5/19

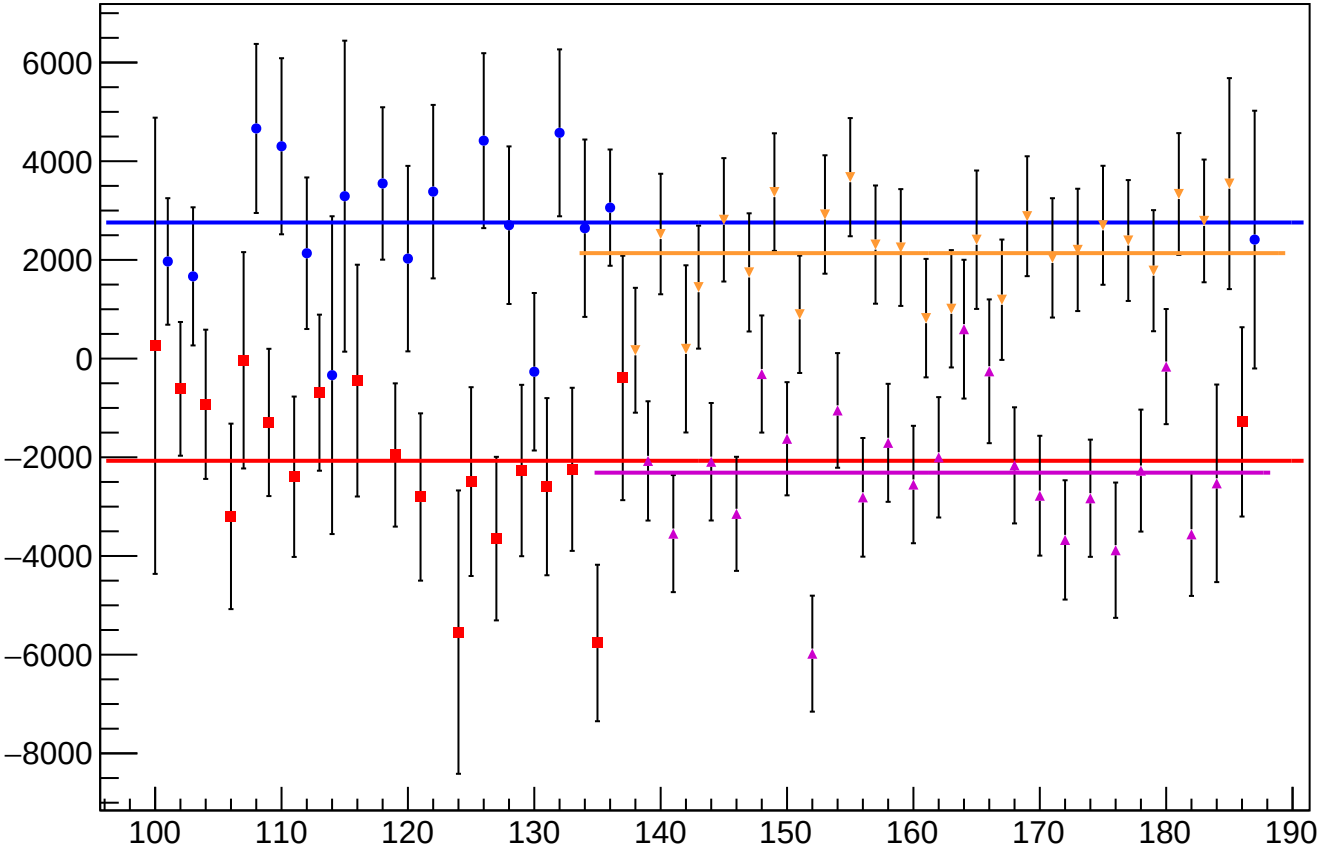
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1560.217+/-0.218 χ^2/NDF: 1632386.9/41

All: 1566.515+/-0.155 χ^2/NDF: 3397892.1/84

- sign 1573.047+/-0.222 χ^2/NDF: 1763798.1/42

eigen_dit_asym_usr_mean vs Slug



Right In: 2758.048+/-406.546 χ^2/NDF: 10.3/16

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2071.106+/-396.813 χ^2/NDF: 13.5/19

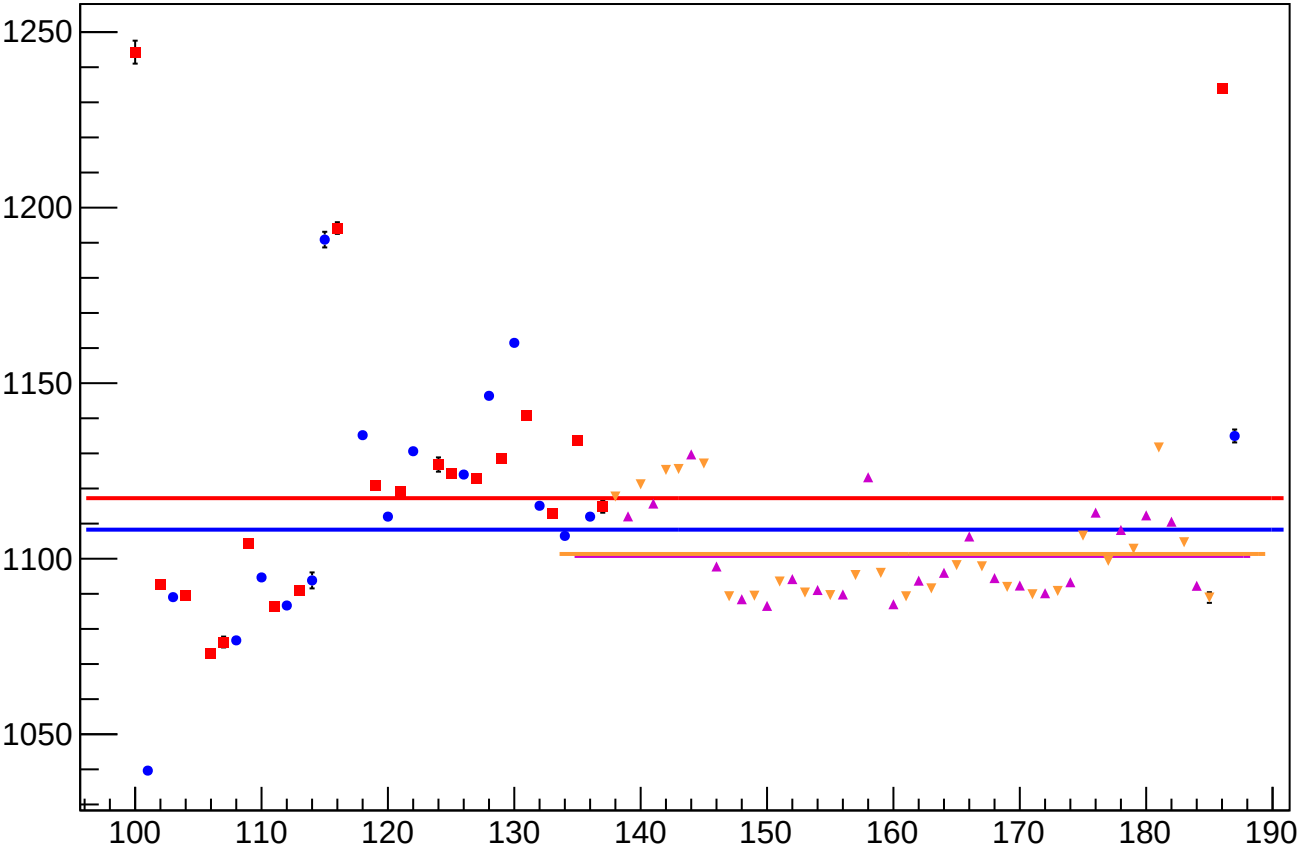
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2307.733+/-213.078 χ^2/NDF: 26.0/41

All: 61.700+/-151.598 χ^2/NDF: 294.7/84

- sign -2240.631+/-215.731 χ^2/NDF: 43.7/42

eigen_dit_asym_usr_rms vs Slug



Right In: 1108.276+/-0.287 χ^2/NDF: 13434.7/16

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1117.247+/-0.281 χ^2/NDF: 16388.4/19

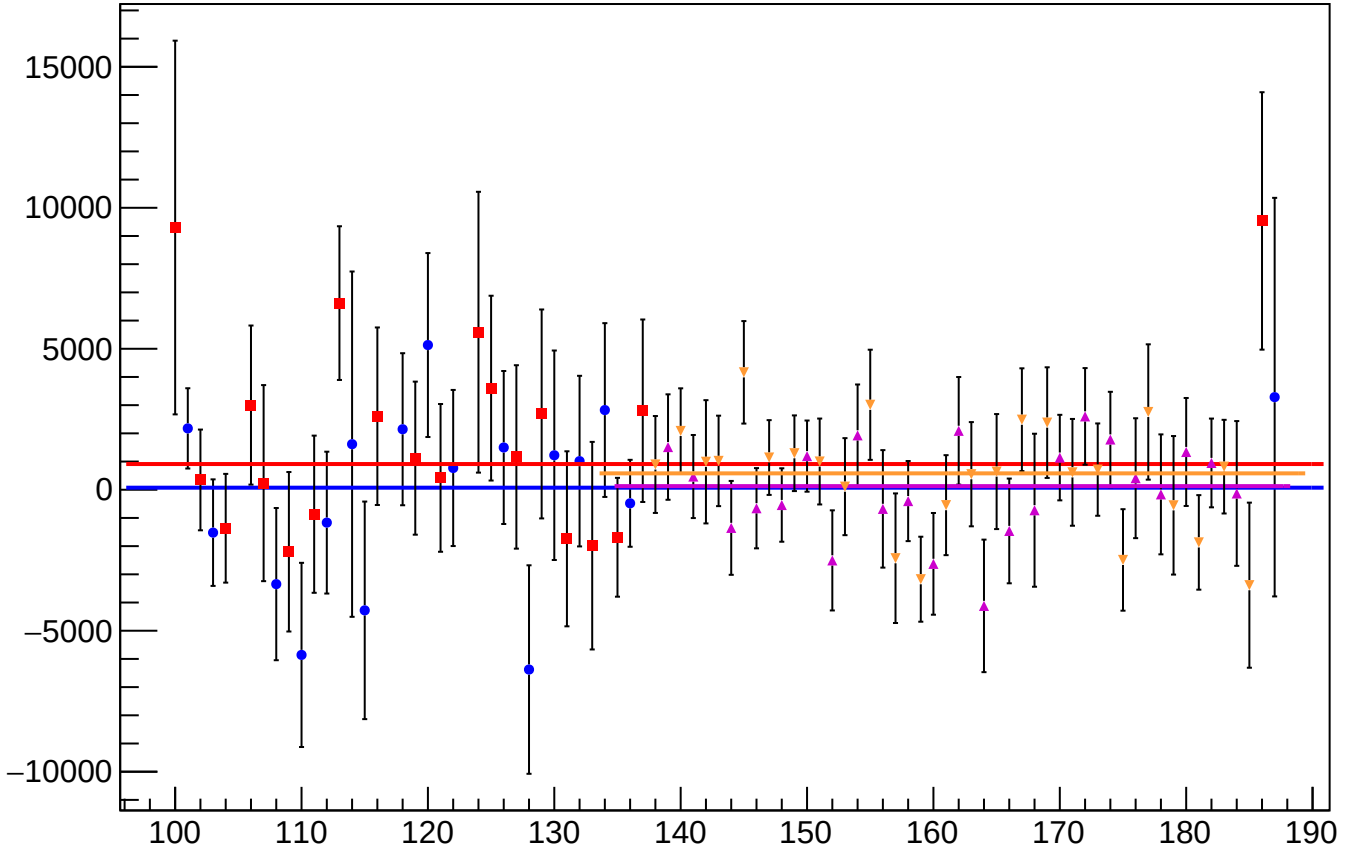
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1103.255+/-0.151 χ^2/NDF: 19805.9/41

All: 1104.441+/-0.107 χ^2/NDF: 43383.8/84

- sign 1105.656+/-0.153 χ^2/NDF: 23452.6/42

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 73.172+/-625.594 χ^2/NDF: 17.1/16

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 911.816+/-641.369 χ^2/NDF: 18.6/19

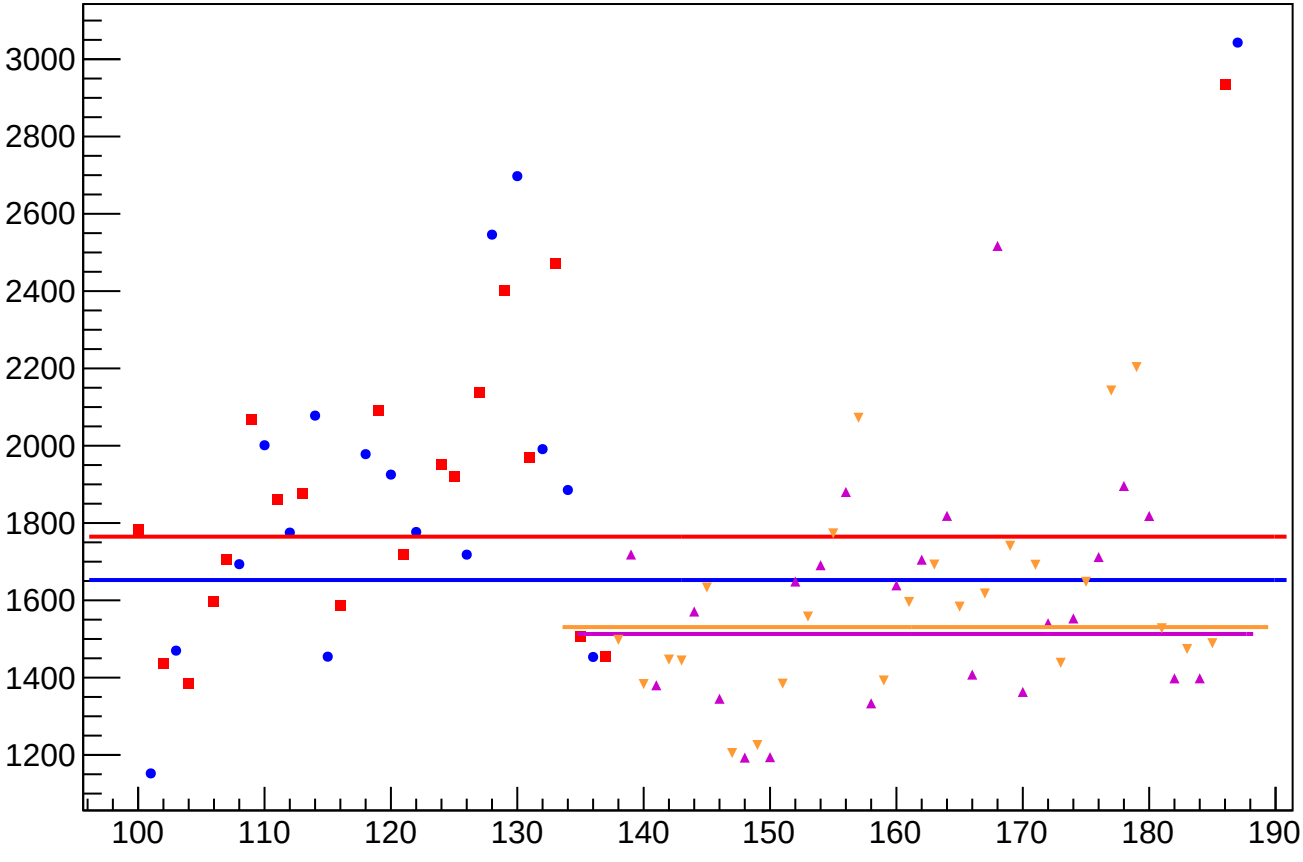
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 458.477+/-307.692 χ^2/NDF: 43.0/41

All: 388.379+/-219.544 χ^2/NDF: 80.6/84

\- sign 315.679+/-313.350 χ^2/NDF: 37.6/42

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1652.515+/-0.442 χ^2/NDF: 779311.6/16

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

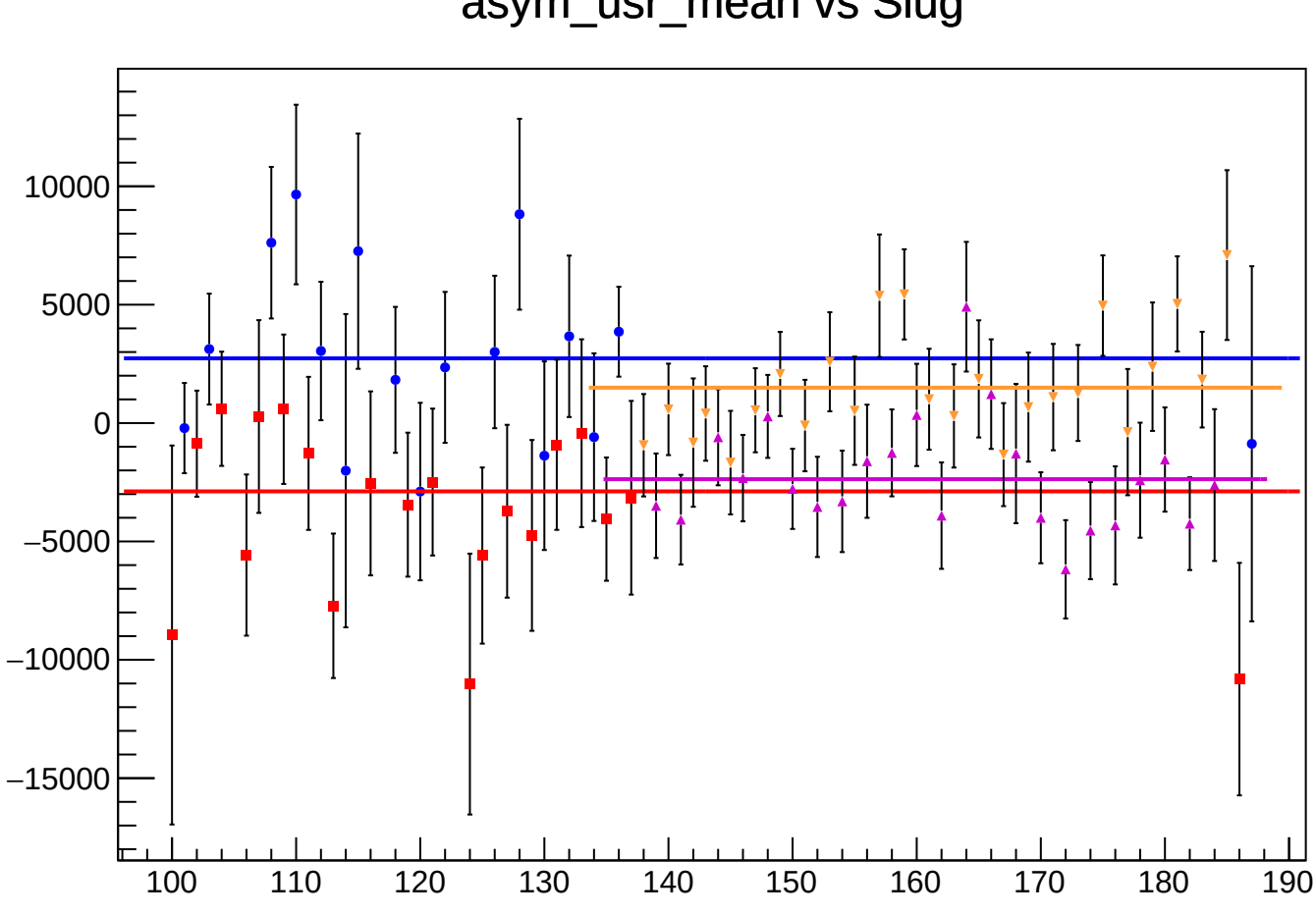
Right Out: 1764.734+/-0.454 χ^2/NDF: 572064.1/19

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1560.219+/-0.218 χ^2/NDF: 1632372.6/41

All: 1566.518+/-0.155 χ^2/NDF: 3397862.0/84

- sign 1573.050+/-0.222 χ^2/NDF: 1763782.2/42



Right In: 2733.178+/-753.281 χ^2/NDF: 16.7/16

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -2885.490+/-756.608 χ^2/NDF: 15.2/19

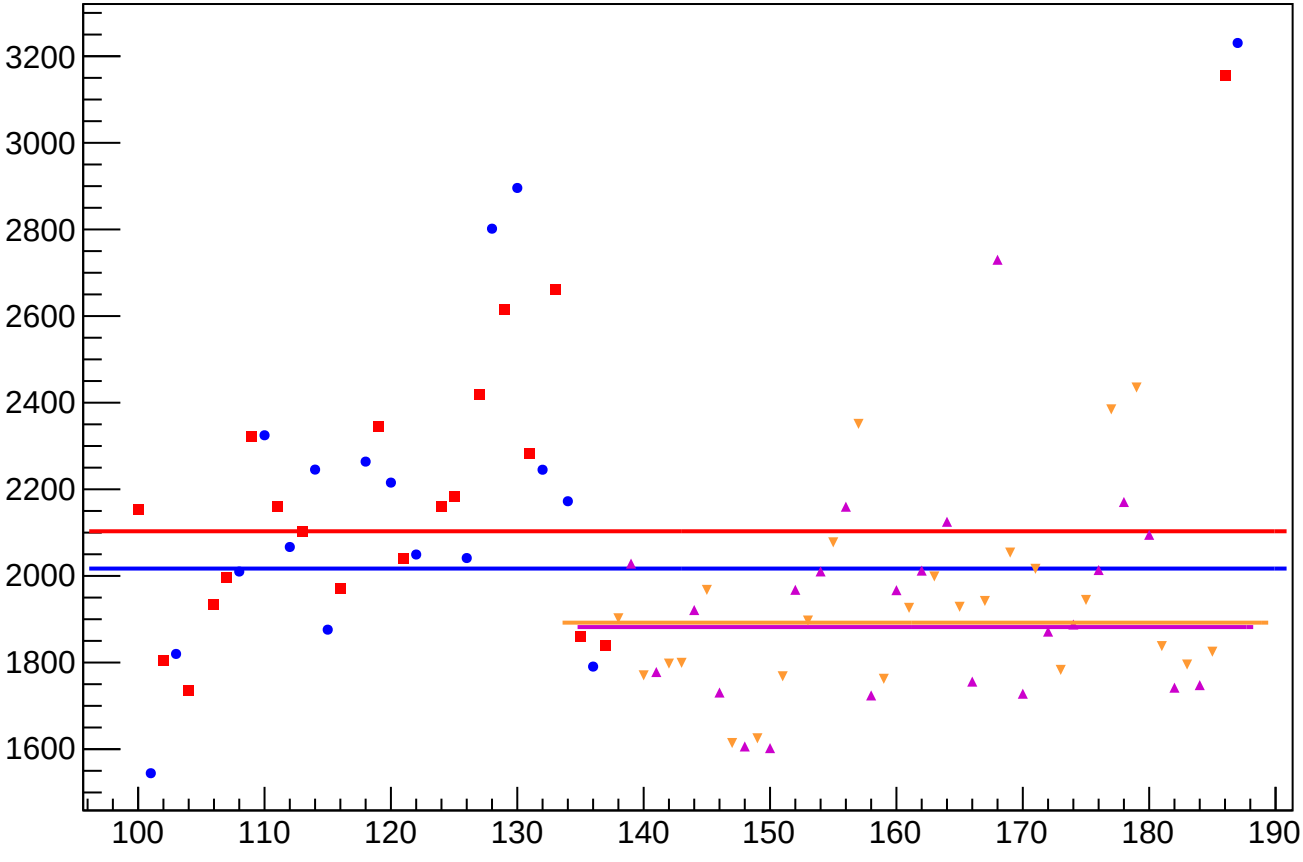
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1802.734+/-375.527 χ^2/NDF: 42.5/41

All: -311.433+/-267.887 χ^2/NDF: 146.3/84

- sign -2502.099+/-382.261 χ^2/NDF: 39.2/42

asym_usr_rms vs Slug



Right In: 2017.001+/-0.533 χ^2/NDF: 440461.5/16

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

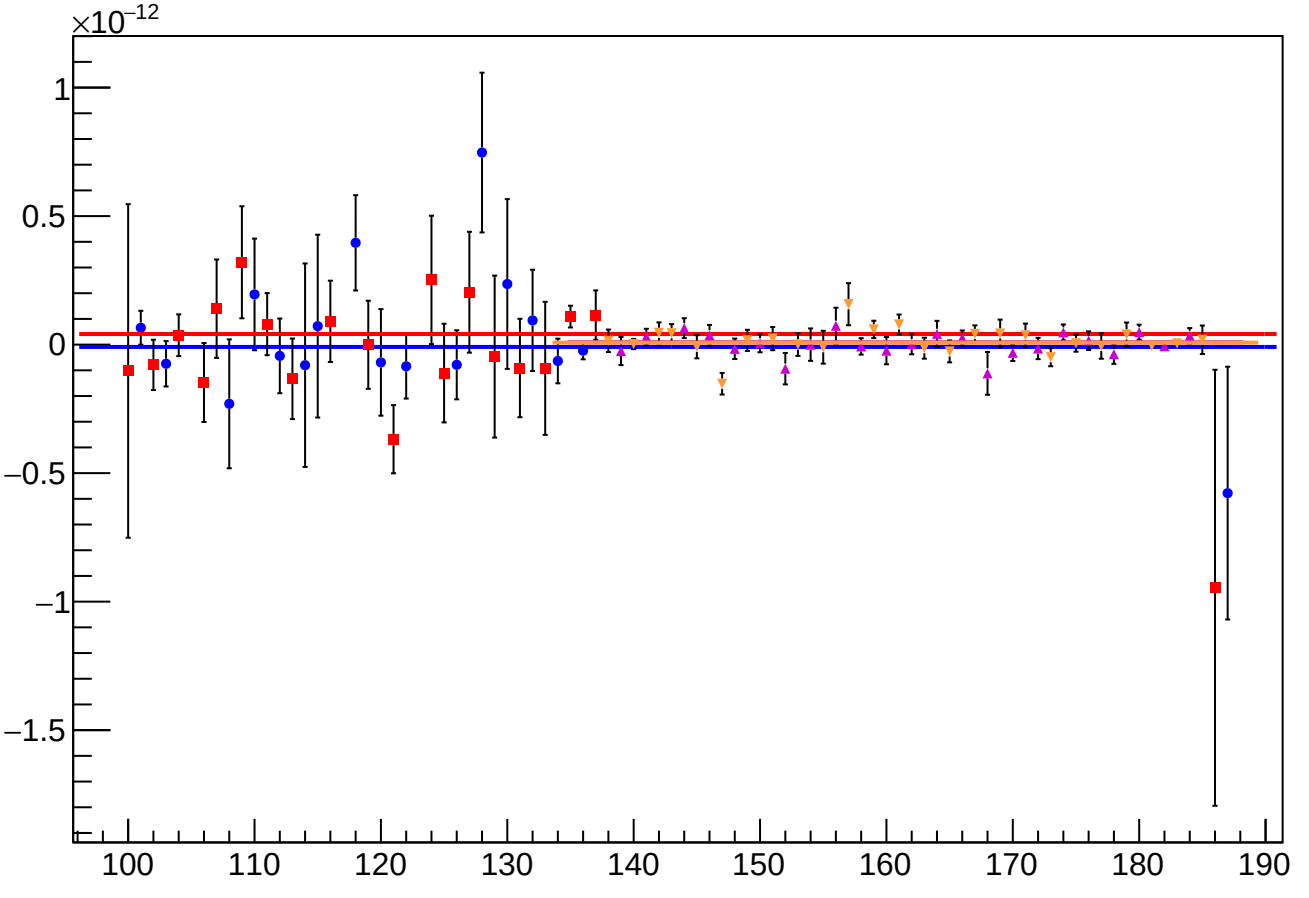
Right Out: 2103.103+/-0.535 χ^2/NDF: 324642.3/19

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 1923.154+/-0.266 χ^2/NDF: 871418.6/41

All: 1930.620+/-0.189 χ^2/NDF: 1787654.1/84

- sign 1938.357+/-0.270 χ^2/NDF: 914625.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

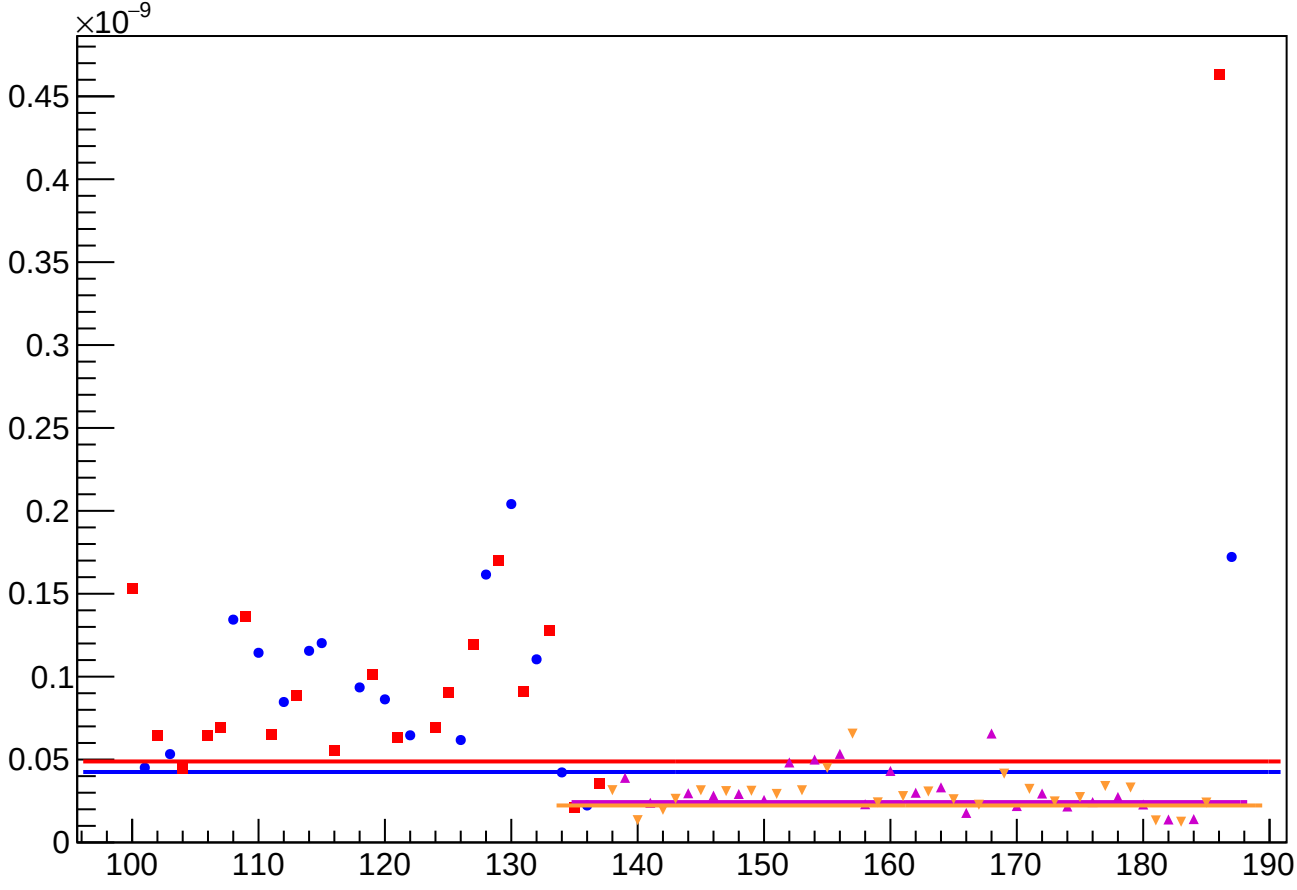
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/19

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.6/41

All: 0.000+/-0.000 χ^2/NDF: 94.4/84

- sign 0.000+/-0.000 χ^2/NDF: 43.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 3073003.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

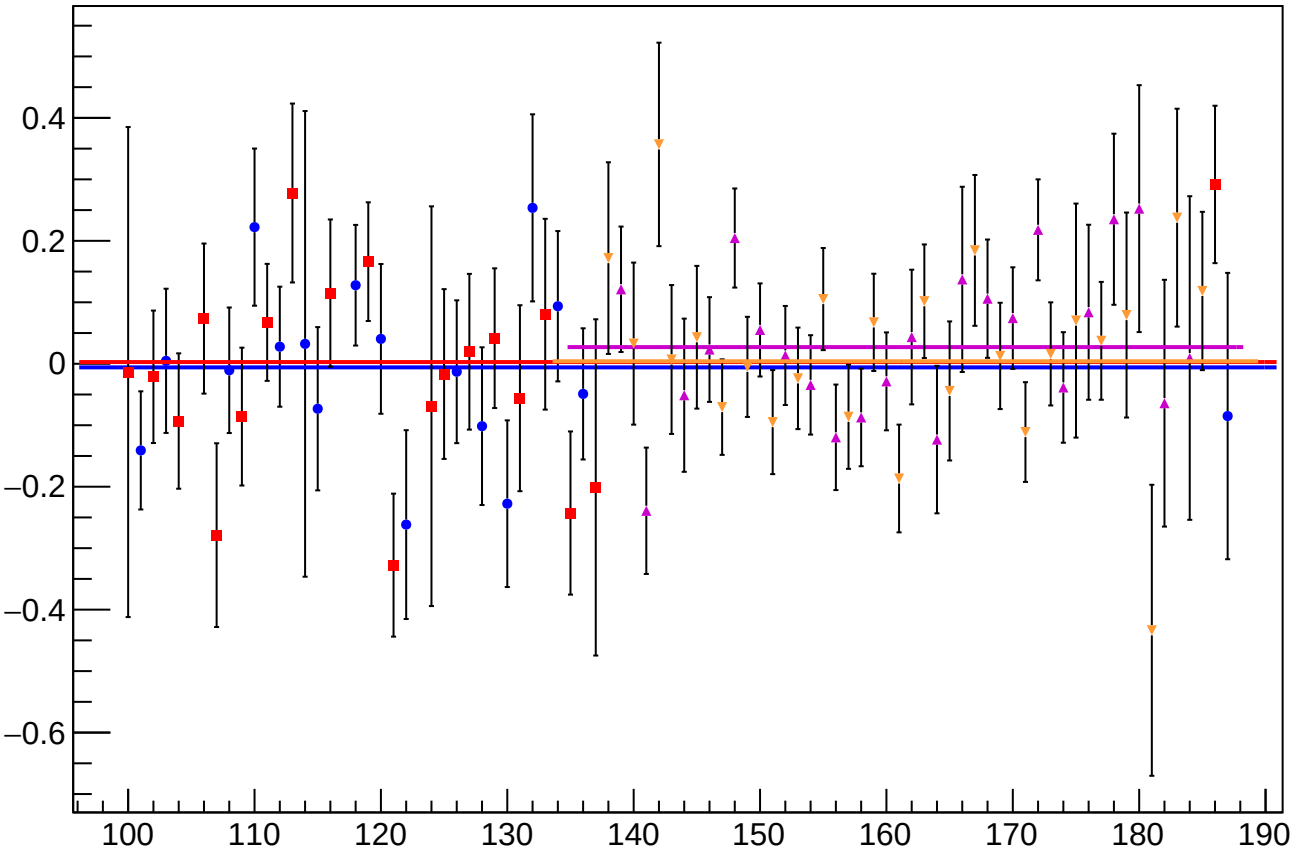
Right Out: 0.000+/-0.000 χ^2/NDF: 3082274.4/19

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7984417.0/41

All: 0.000+/-0.000 χ^2/NDF: 15829811.5/84

- sign 0.000+/-0.000 χ^2/NDF: 7736217.1/42



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

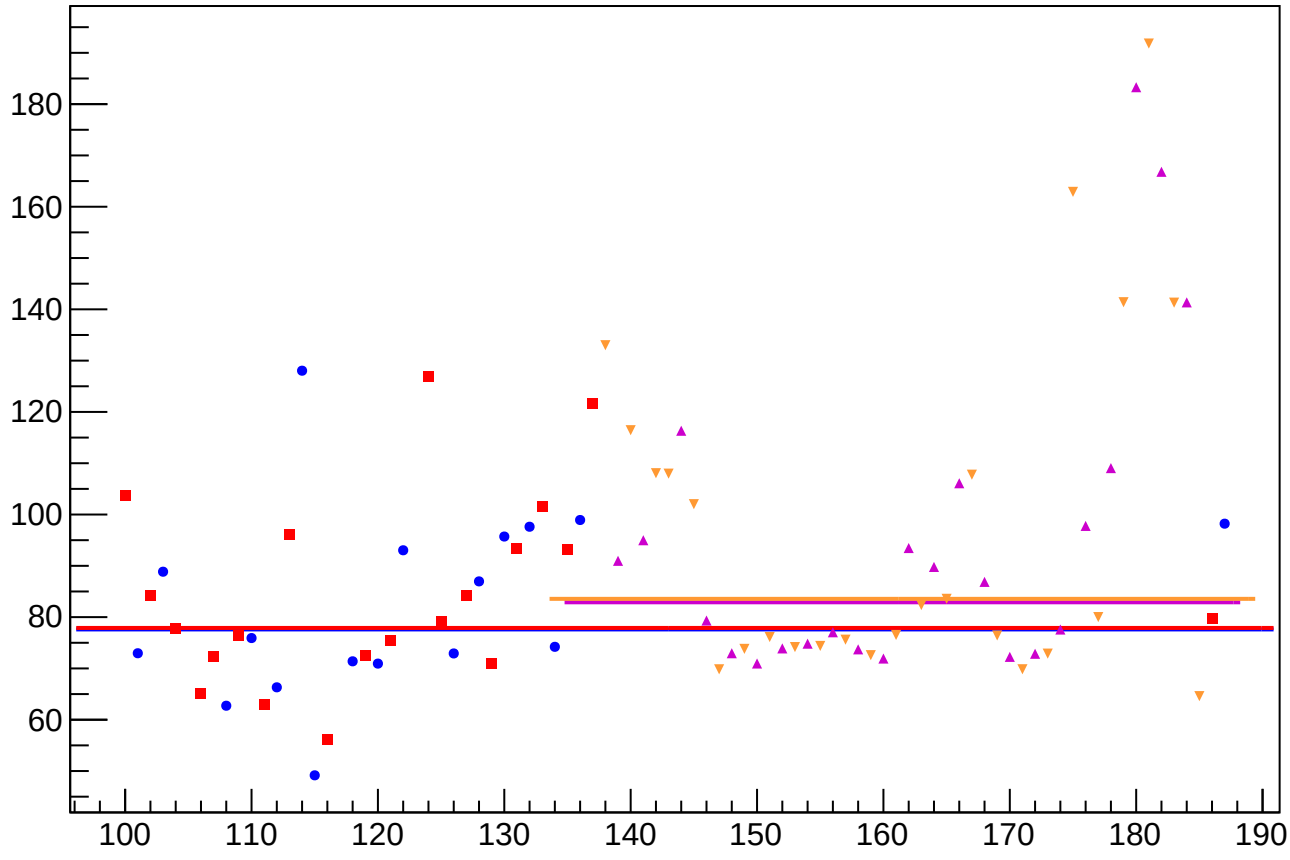
Right Out: 0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.7/41

All: 0.010+/-0.012 χ^2/NDF: 109.5/84

- sign 0.019+/-0.017 χ^2/NDF: 63.3/42



Right In: 77.602+/-0.021 χ^2/NDF: 435216.9/16

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 77.892+/-0.020 χ^2/NDF: 396886.1/19

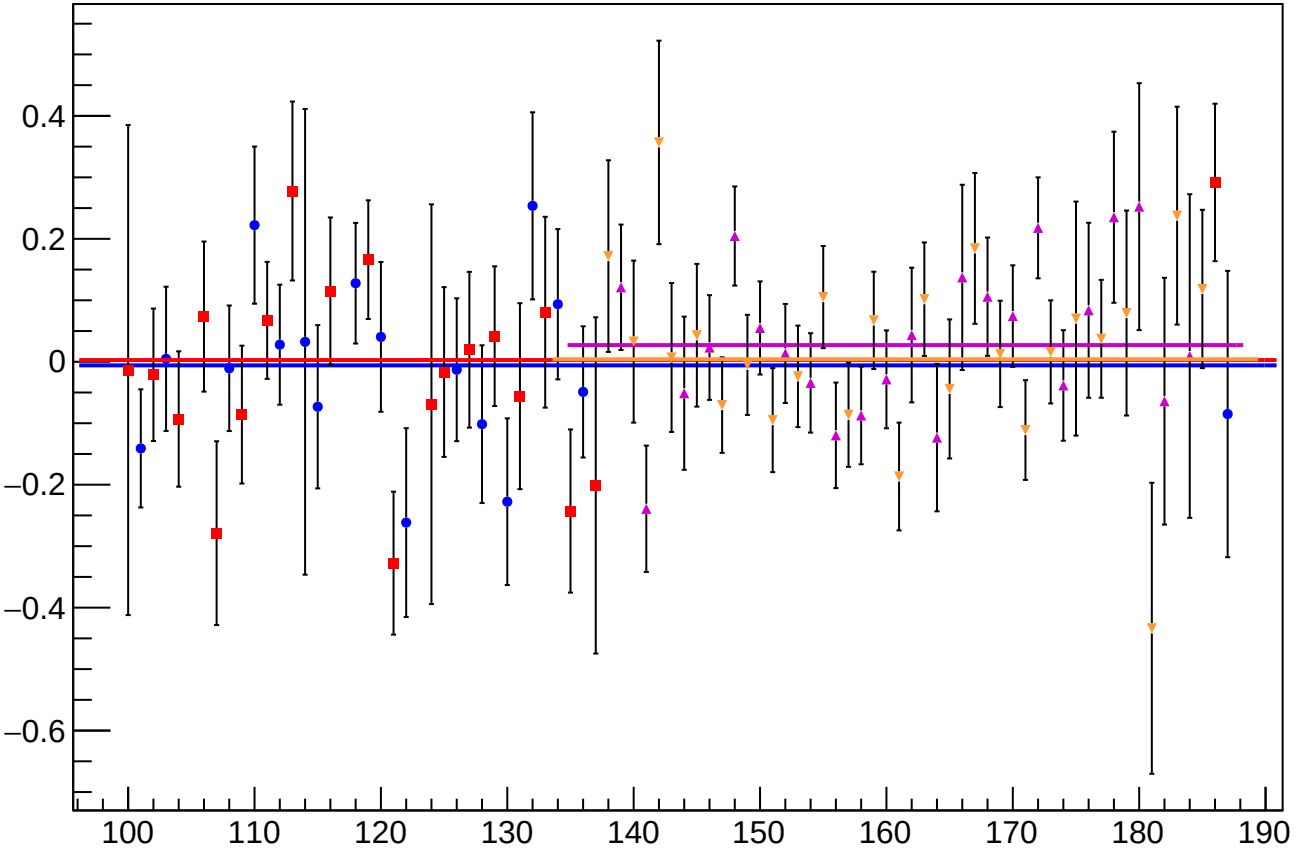
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.674+/-0.012 χ^2/NDF: 2662822.1/41

All: 81.445+/-0.008 χ^2/NDF: 4673093.5/84

- sign 81.216+/-0.012 χ^2/NDF: 2009525.2/42

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

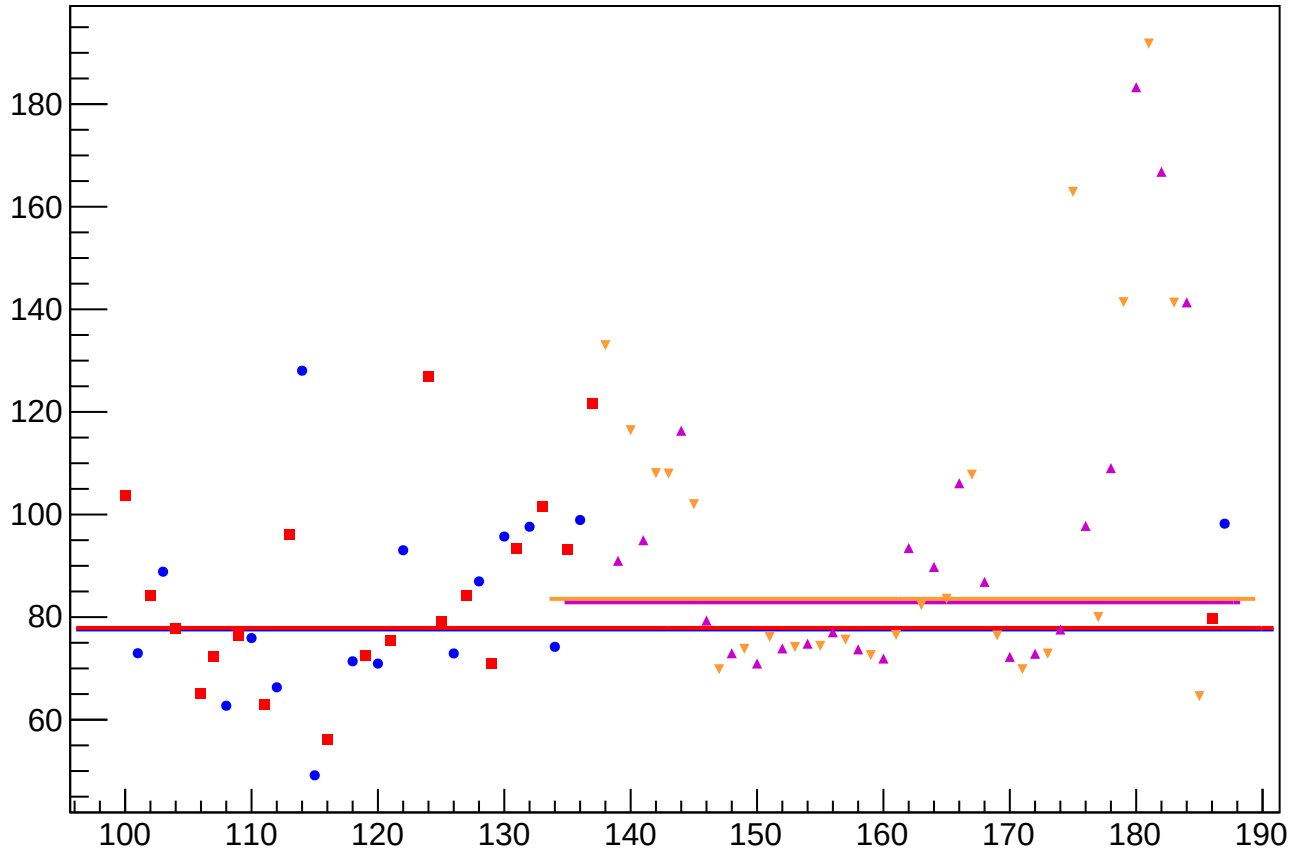
Right Out: 0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.7/41

All: 0.010+/-0.012 χ^2/NDF: 109.5/84

- sign 0.019+/-0.017 χ^2/NDF: 63.3/42



Right In: 77.602+/-0.021 χ^2/NDF: 435216.9/16

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 77.892+/-0.020 χ^2/NDF: 396886.1/19

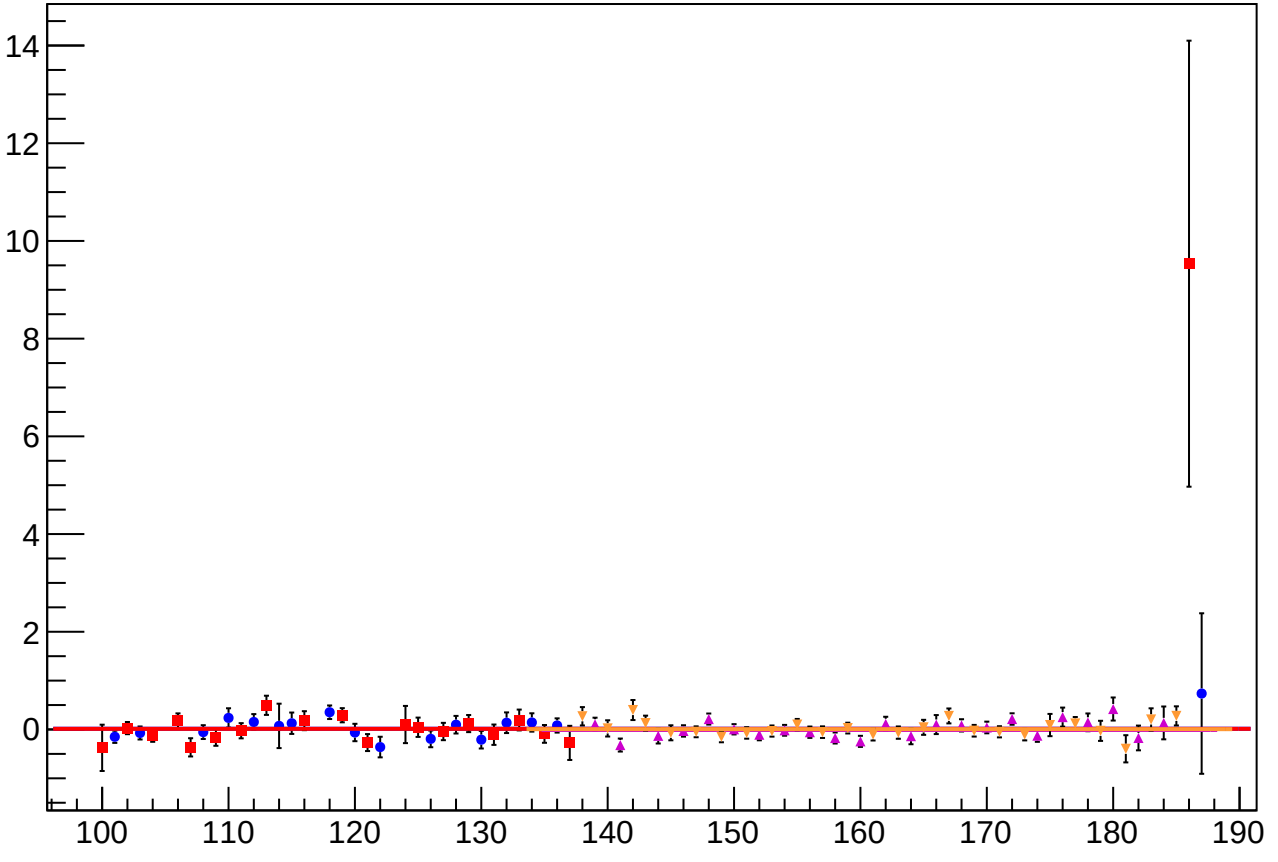
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 81.674+/-0.012 χ^2/NDF: 2662822.1/41

All: 81.445+/-0.008 χ^2/NDF: 4673093.5/84

- sign 81.216+/-0.012 χ^2/NDF: 2009525.2/42

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.015+/-0.042 χ^2/NDF: 18.4/16

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.013+/-0.041 χ^2/NDF: 28.1/19

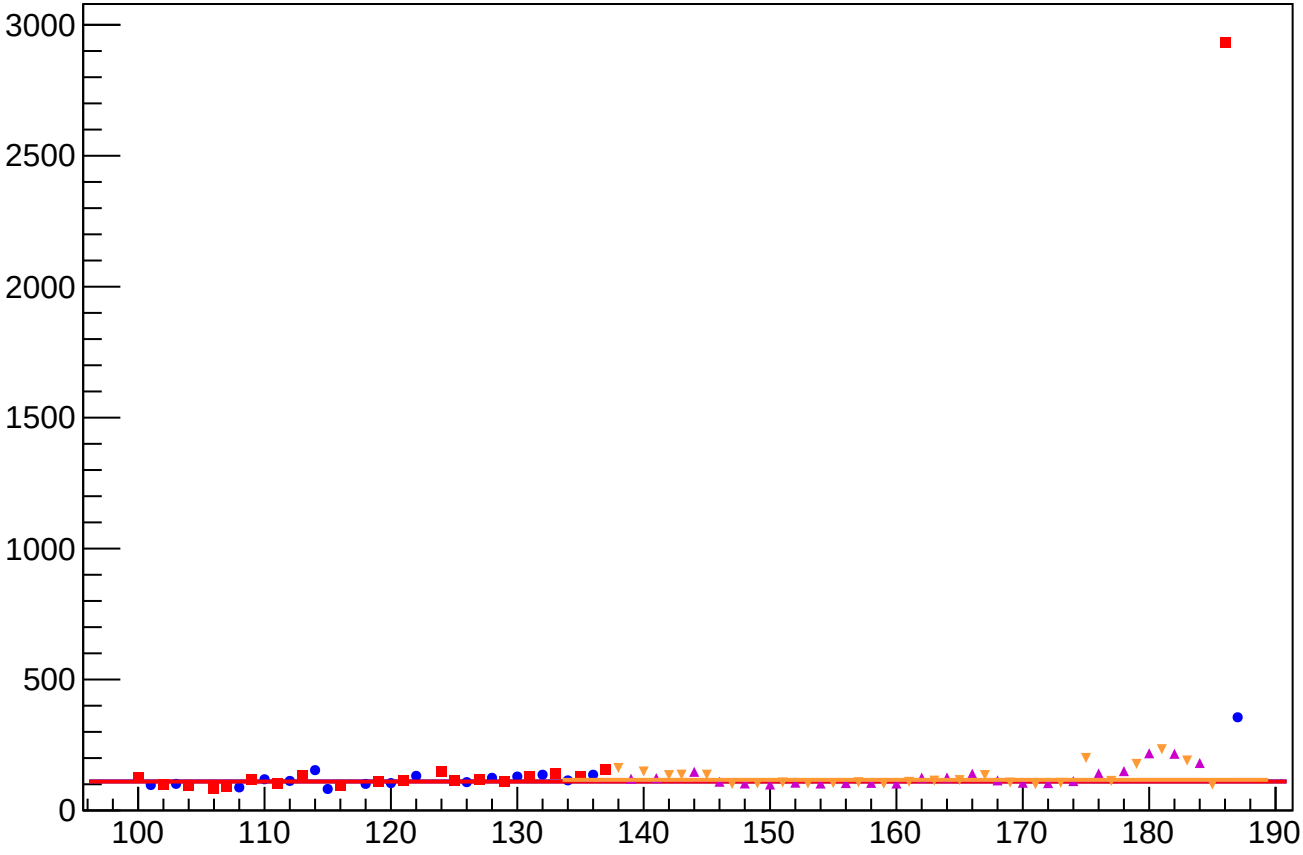
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.009+/-0.023 χ^2/NDF: 39.7/41

All: 0.003+/-0.016 χ^2/NDF: 99.5/84

- sign -0.003+/-0.023 χ^2/NDF: 59.6/42

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 110.877+/-0.030 χ^2/NDF: 344447.6/16

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 110.376+/-0.029 χ^2/NDF: 1091687.4/19

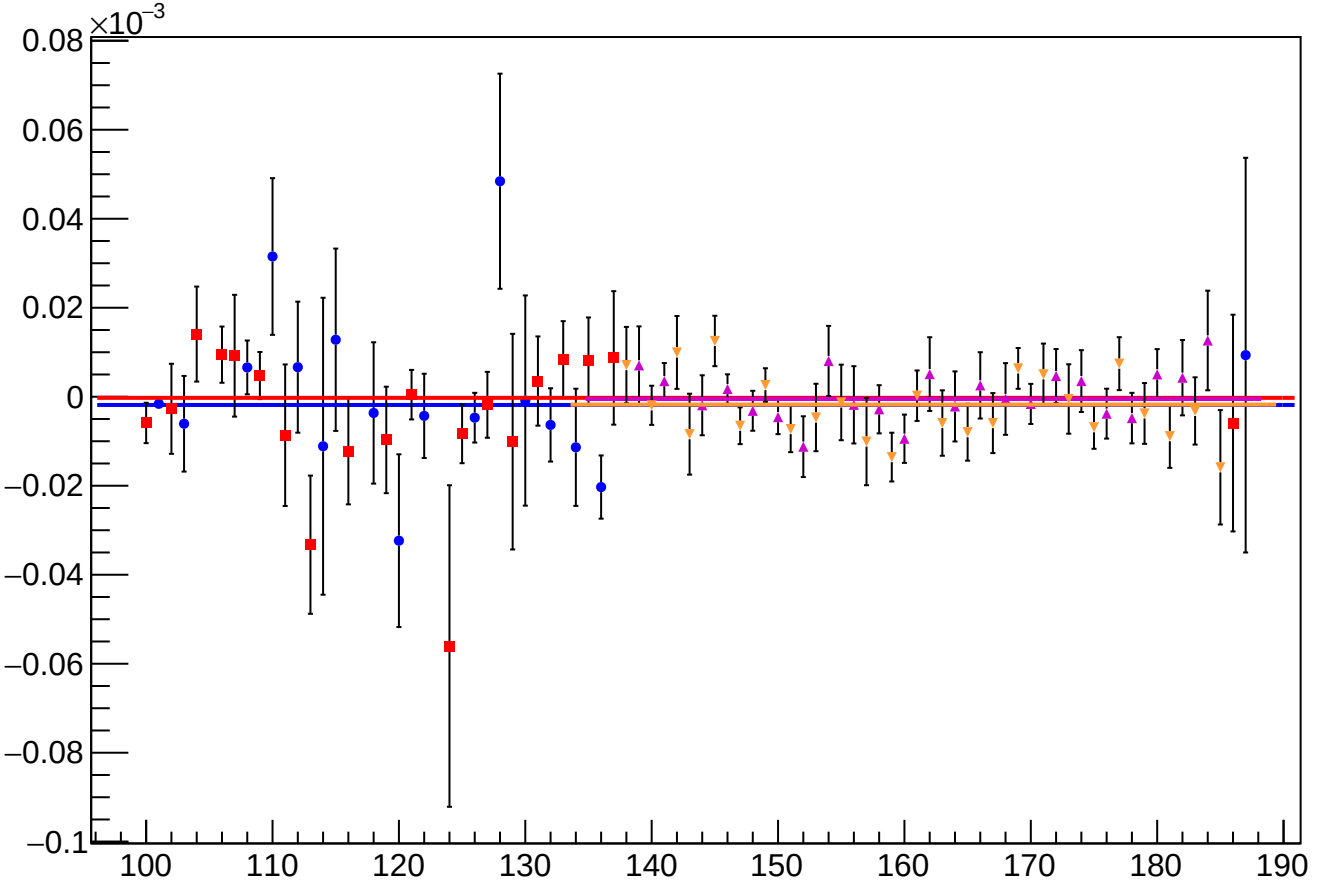
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 115.070+/-0.016 χ^2/NDF: 1969579.2/41

All: 114.595+/-0.012 χ^2/NDF: 4318368.2/84

- sign 114.118+/-0.016 χ^2/NDF: 2347112.2/42

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/19

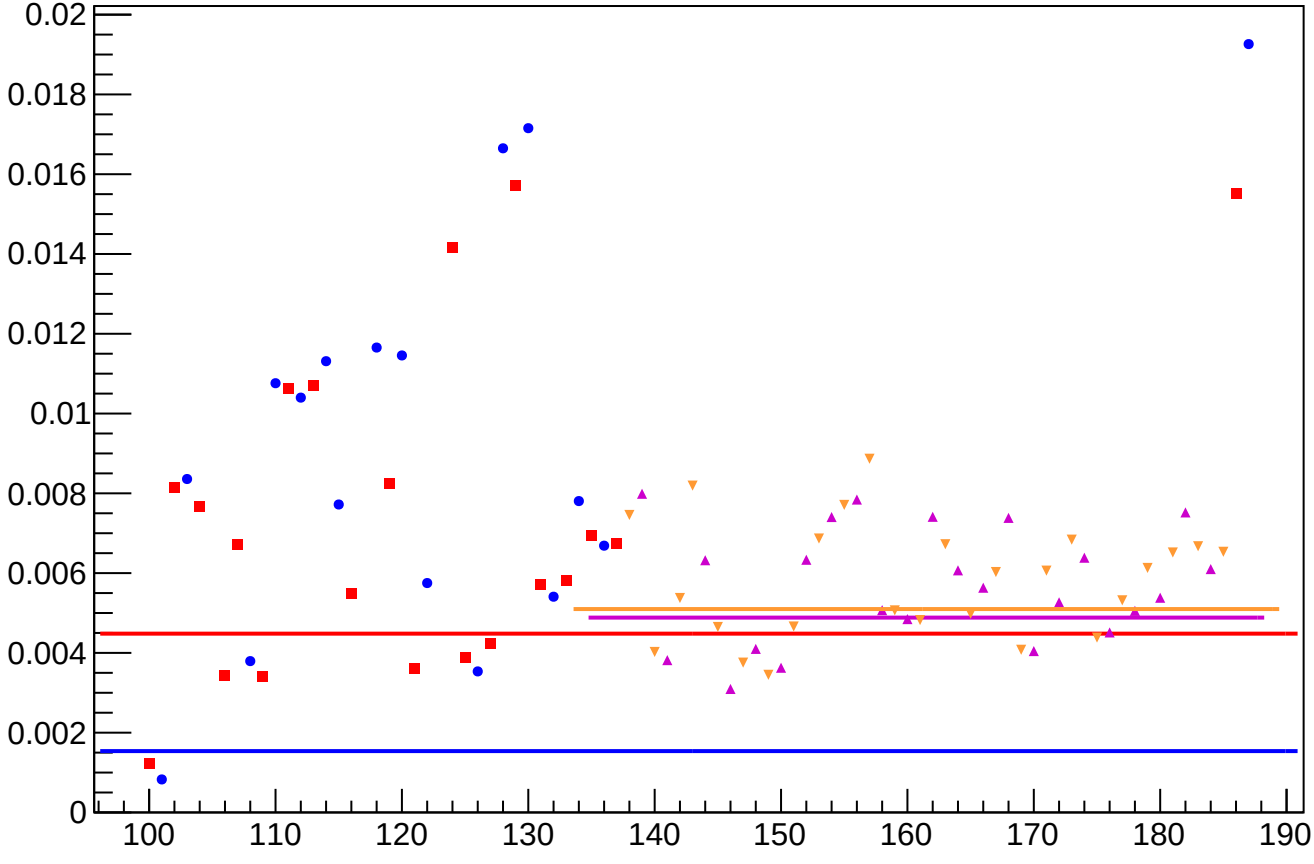
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.5/41

All: -0.000+/-0.000 χ^2/NDF: 89.2/84

- sign -0.000+/-0.000 χ^2/NDF: 35.5/42

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9542562.9/16

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3800709.8/19

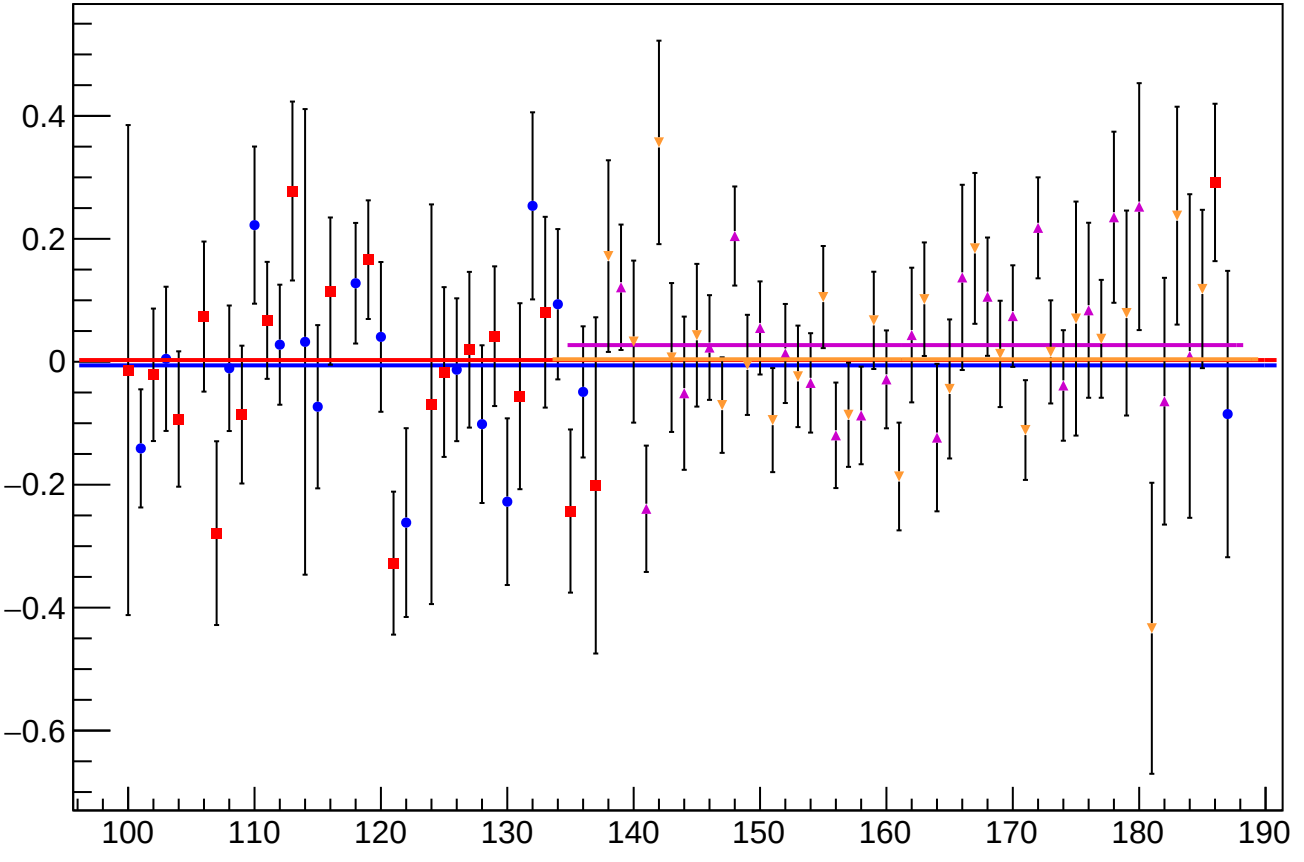
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 22424509.1/41

All: 0.004+/-0.000 χ^2/NDF: 33229124.9/84

- sign 0.005+/-0.000 χ^2/NDF: 6589394.4/42

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.003+/-0.029 χ^2/NDF: 30.8/19

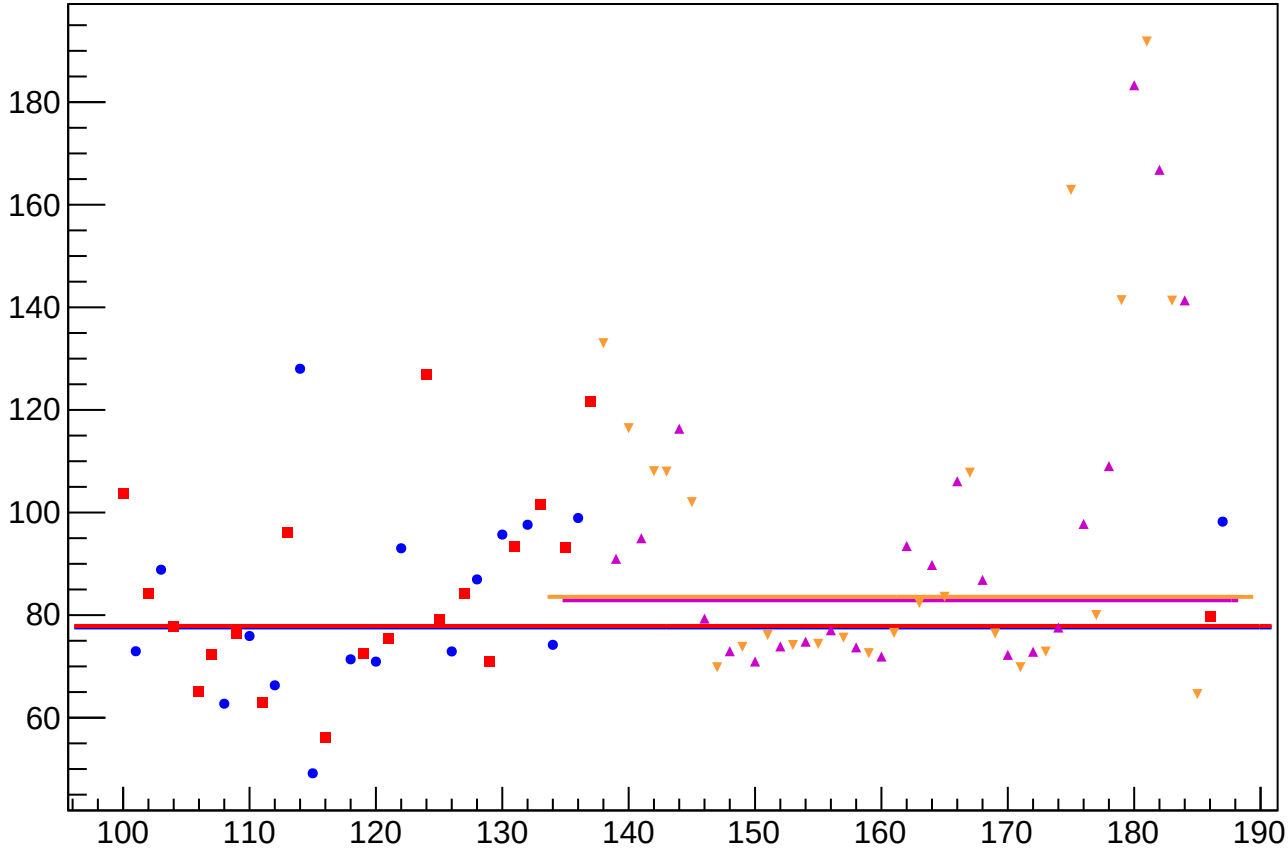
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.7/41

All: 0.010+/-0.012 χ^2/NDF: 109.5/84

- sign 0.019+/-0.017 χ^2/NDF: 63.3/42

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 77.600+/-0.021 χ^2/NDF: 435219.0/16

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

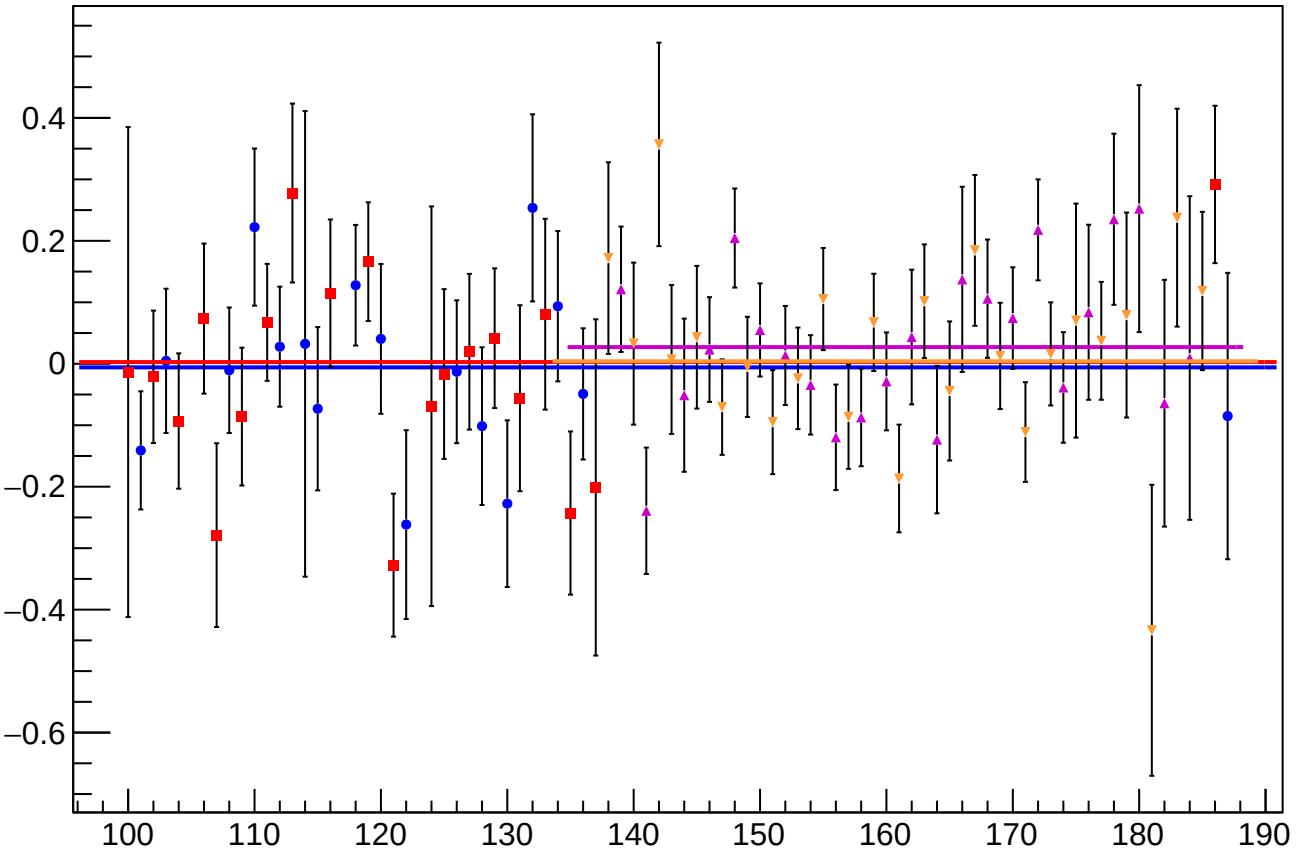
Right Out: 77.891+/-0.020 χ^2/NDF: 396882.1/19

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.674+/-0.012 χ^2/NDF: 2662854.0/41

All: 81.445+/-0.008 χ^2/NDF: 4673135.6/84

- sign 81.216+/-0.012 χ^2/NDF: 2009534.6/42



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

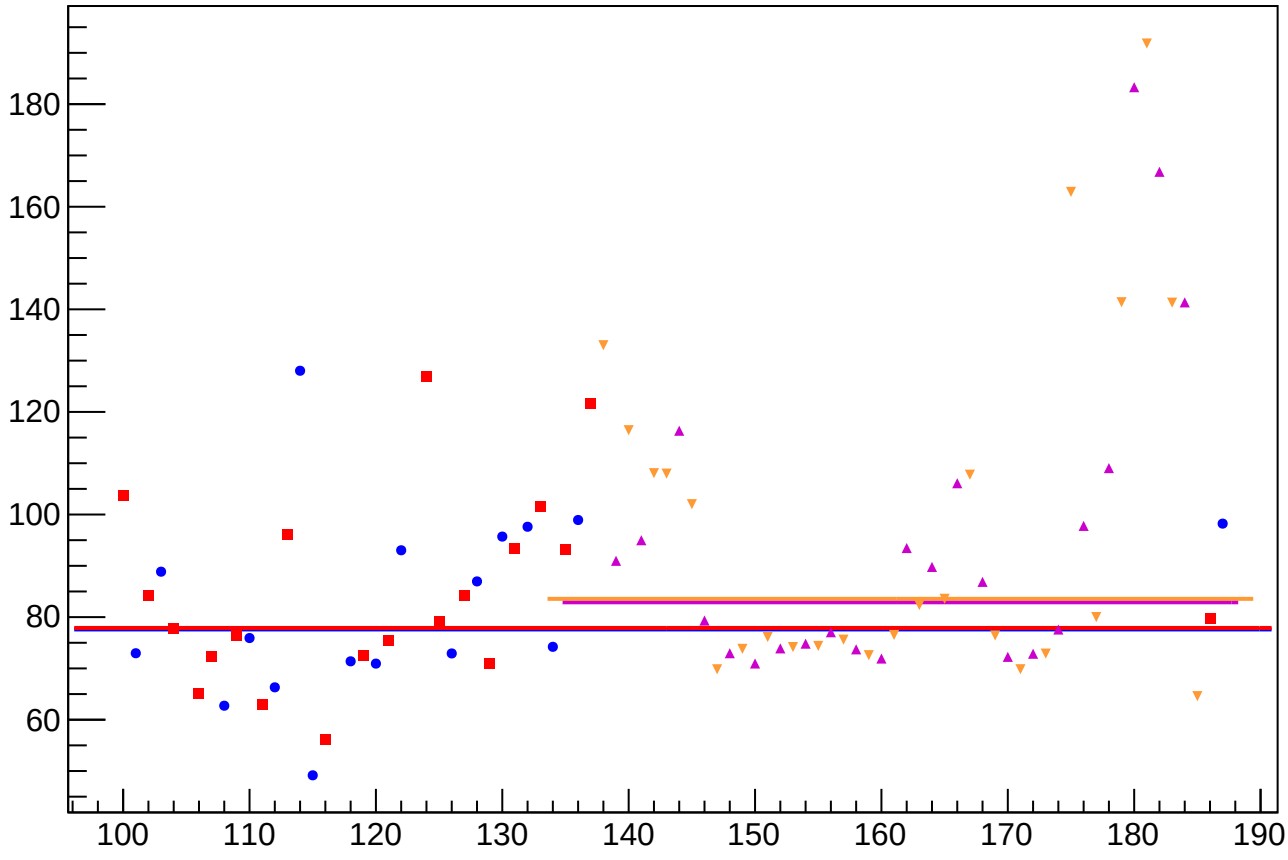
Right Out: 0.003+/-0.029 χ^2/NDF: 30.8/19

Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.001+/-0.017 χ^2/NDF: 45.7/41

All: 0.010+/-0.012 χ^2/NDF: 109.5/84

- sign 0.019+/-0.017 χ^2/NDF: 63.3/42



Right In: 77.600+/-0.021 χ^2/NDF: 435219.0/16

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

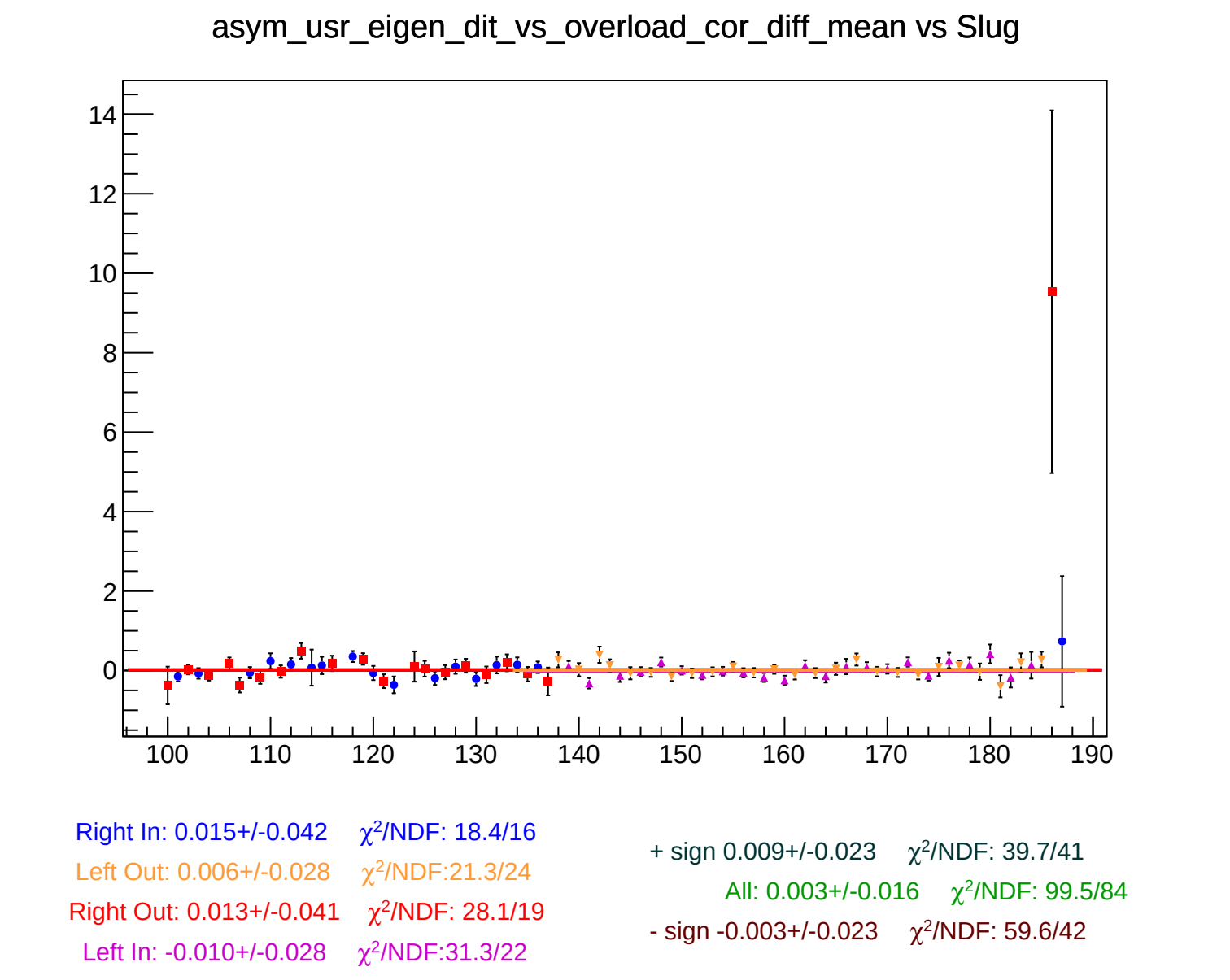
Right Out: 77.891+/-0.020 χ^2/NDF: 396882.1/19

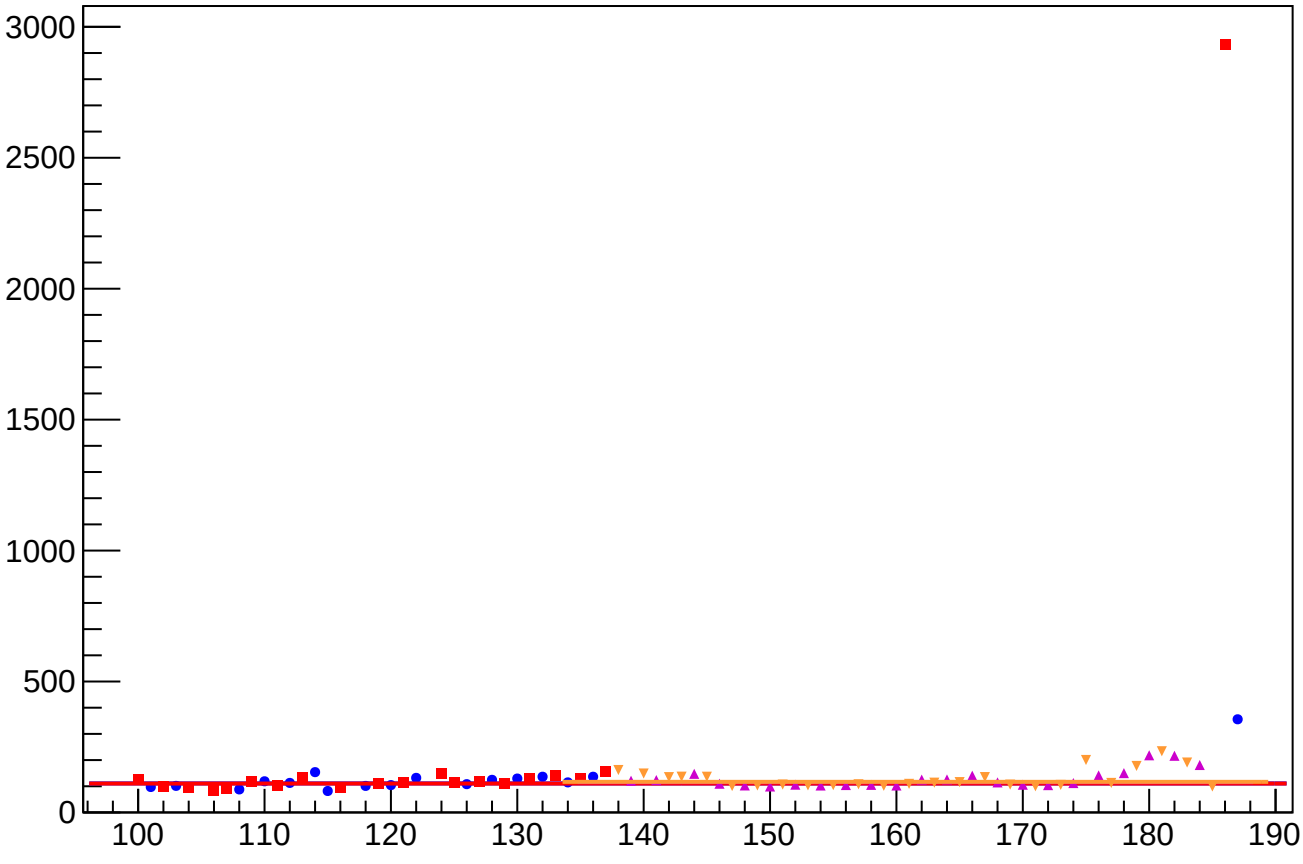
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 81.674+/-0.012 χ^2/NDF: 2662854.0/41

All: 81.445+/-0.008 χ^2/NDF: 4673135.6/84

- sign 81.216+/-0.012 χ^2/NDF: 2009534.6/42


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug
14
12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.015+/-0.042 χ²/NDF: 18.4/16
Left Out: 0.006+/-0.028 χ²/NDF:21.3/24
Right Out: 0.013+/-0.041 χ²/NDF: 28.1/19
Left In: -0.010+/-0.028 χ²/NDF:31.3/22
+ sign 0.009+/-0.023 χ²/NDF: 39.7/41
All: 0.003+/-0.016 χ²/NDF: 99.5/84
- sign -0.003+/-0.023 χ²/NDF: 59.6/42



Right In: 110.876+/-0.030 χ^2/NDF: 344422.5/16

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

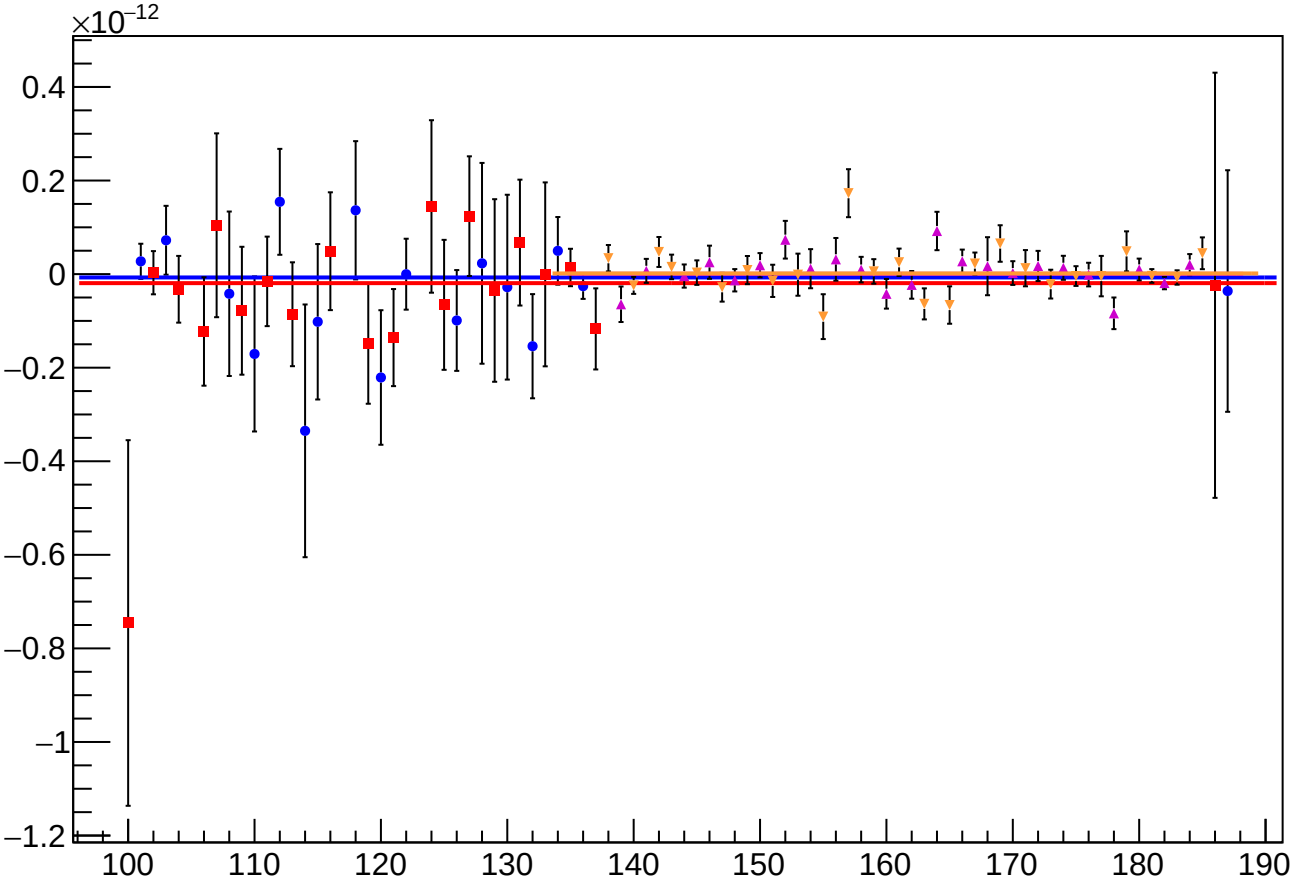
Right Out: 110.375+/-0.029 χ^2/NDF: 1091658.0/19

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

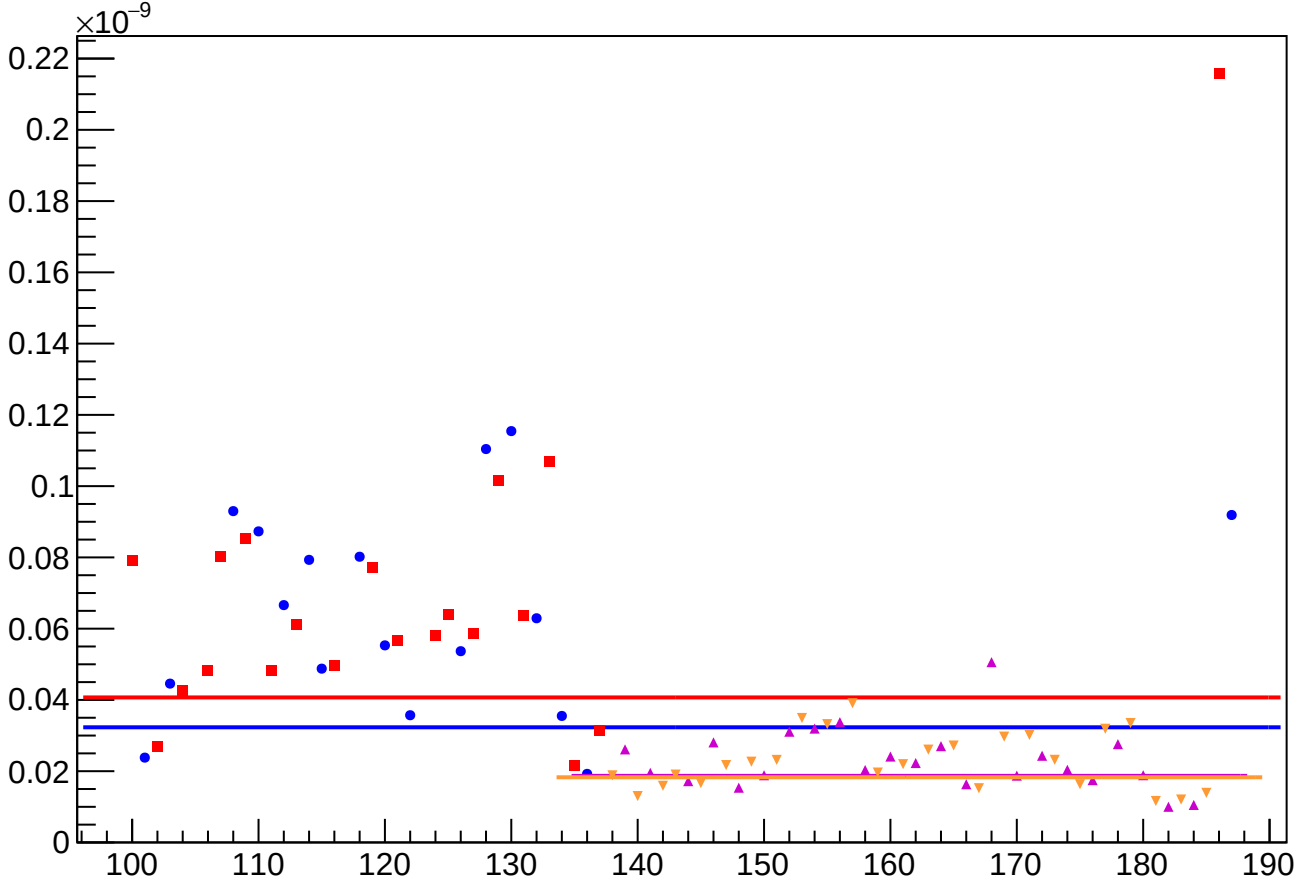
+ sign 115.070+/-0.016 χ^2/NDF: 1969561.1/41

All: 114.595+/-0.012 χ^2/NDF: 4318320.9/84

- sign 114.118+/-0.016 χ^2/NDF: 2347082.8/42


asym_usr_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.6/16
Left Out: 0.000+/-0.000 χ²/NDF:36.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/19
Left In: 0.000+/-0.000 χ²/NDF:26.7/22
+ sign 0.000+/-0.000 χ²/NDF: 50.5/41
All: 0.000+/-0.000 χ²/NDF: 90.7/84
- sign -0.000+/-0.000 χ²/NDF: 40.2/42

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2566373.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

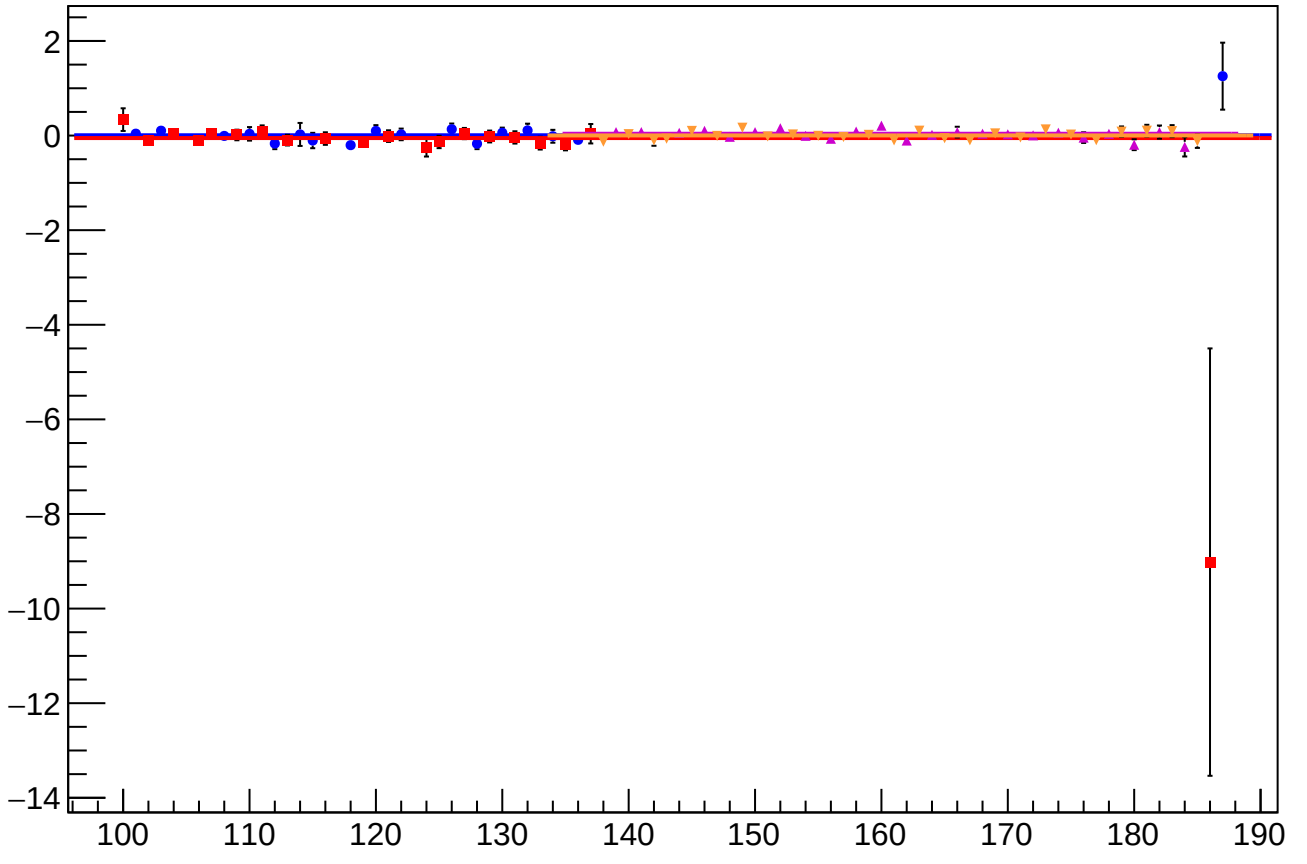
Right Out: 0.000+/-0.000 χ^2/NDF: 2163654.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6723337.6/41

All: 0.000+/-0.000 χ^2/NDF: 13844612.3/84

- sign 0.000+/-0.000 χ^2/NDF: 7104689.1/42



Right In: 0.006+/-0.026 χ^2/NDF: 19.7/16

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.053+/-0.024 χ^2/NDF: 18.7/19

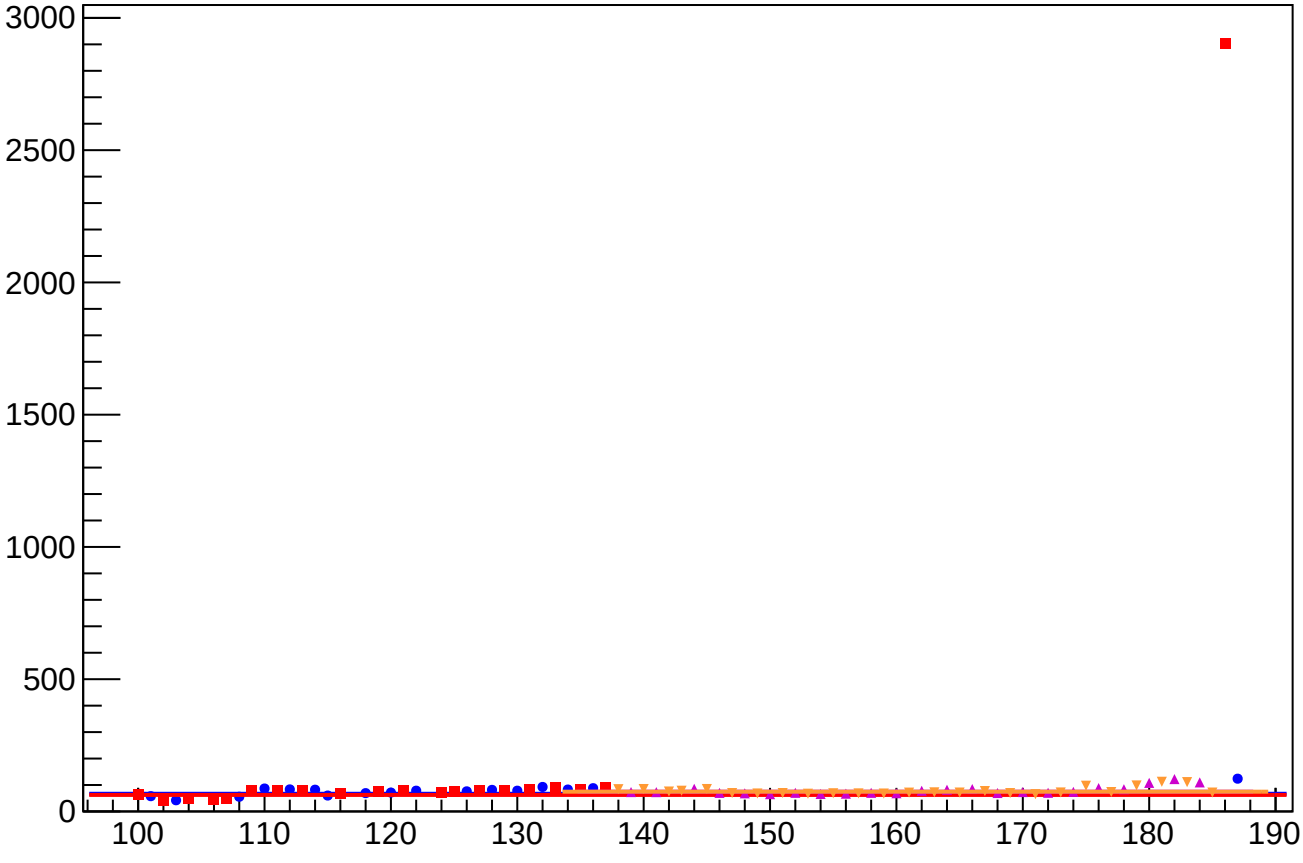
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.004+/-0.014 χ^2/NDF: 41.3/41

All: 0.005+/-0.010 χ^2/NDF: 90.9/84

- sign 0.006+/-0.014 χ^2/NDF: 49.6/42

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 66.809+/-0.018 χ^2/NDF: 829771.7/16

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

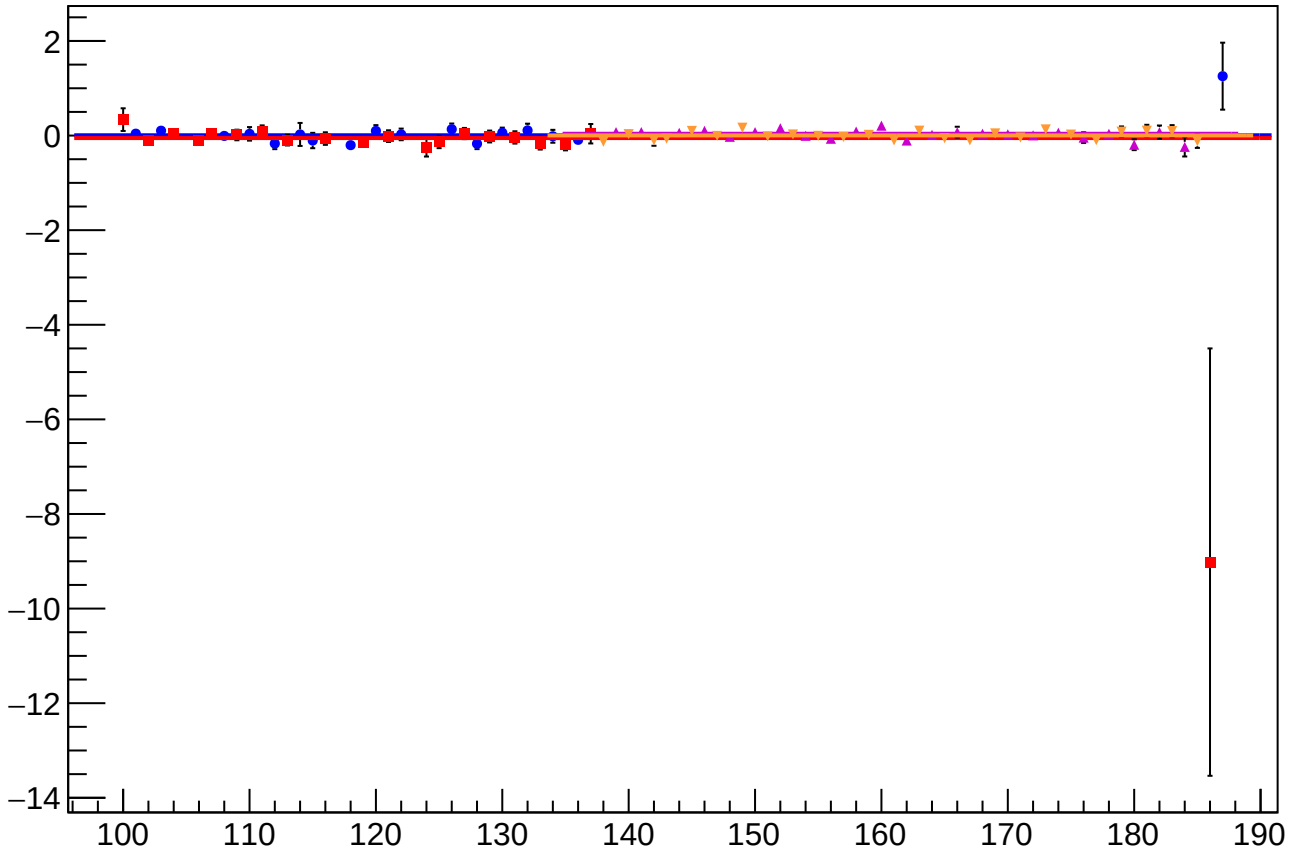
Right Out: 62.510+/-0.017 χ^2/NDF: 1904379.2/19

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 72.272+/-0.010 χ^2/NDF: 1703666.4/41

All: 71.283+/-0.007 χ^2/NDF: 4665369.2/84

- sign 70.307+/-0.010 χ^2/NDF: 2943087.1/42



Right In: 0.006+/-0.026 χ^2/NDF: 19.7/16

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.053+/-0.024 χ^2/NDF: 18.7/19

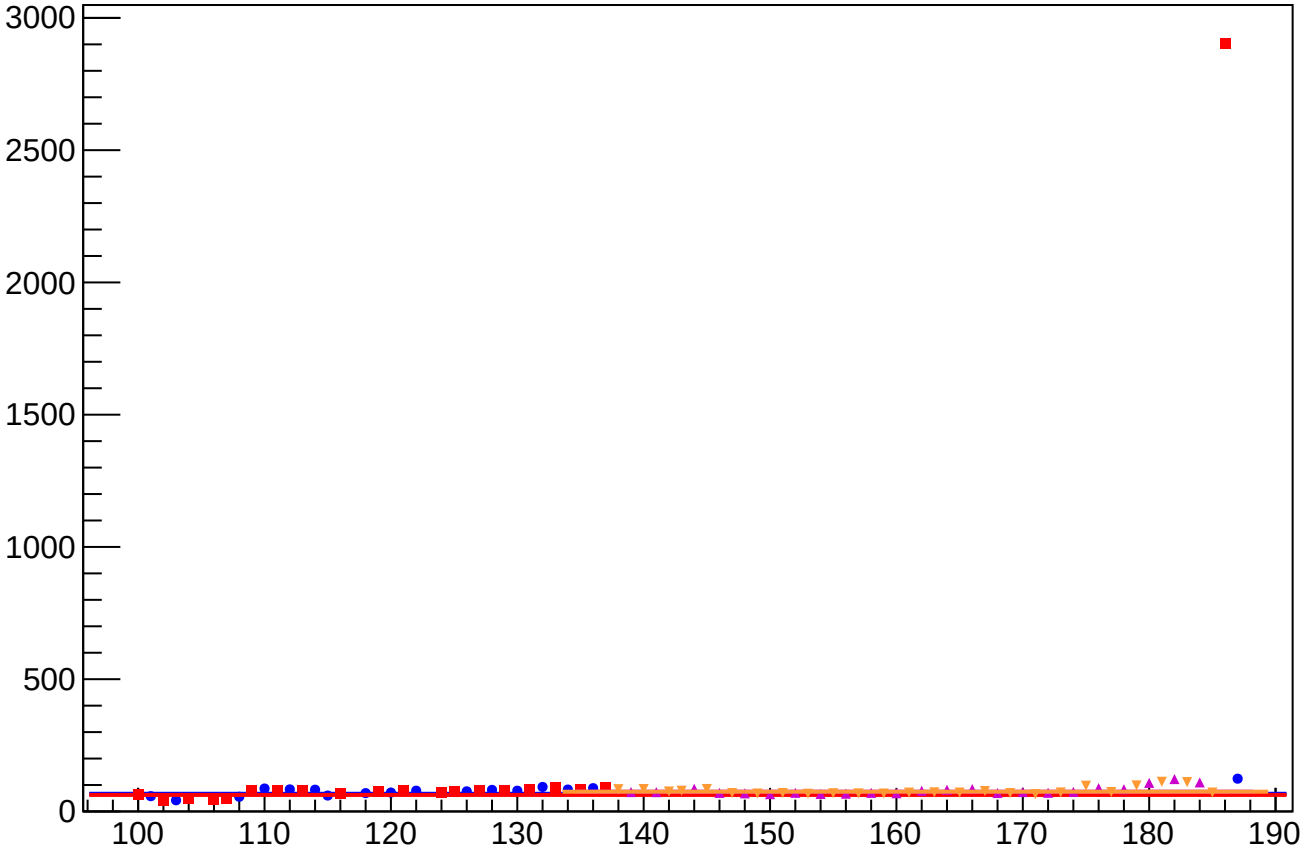
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign 0.004+/-0.014 χ^2/NDF: 41.3/41

All: 0.005+/-0.010 χ^2/NDF: 90.9/84

- sign 0.006+/-0.014 χ^2/NDF: 49.6/42

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 66.809+/-0.018 χ^2/NDF: 829771.7/16

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 62.510+/-0.017 χ^2/NDF: 1904379.2/19

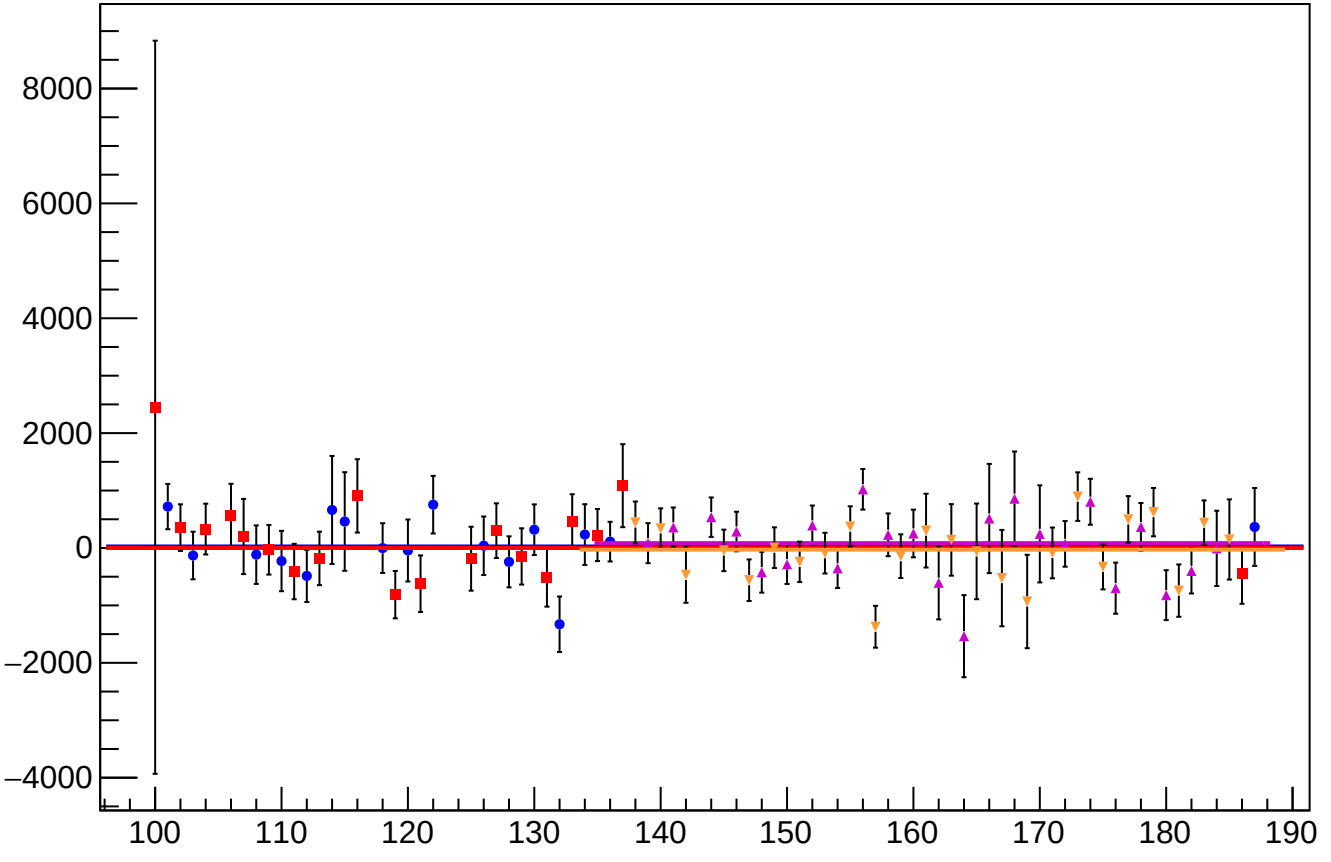
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 72.272+/-0.010 χ^2/NDF: 1703666.4/41

All: 71.283+/-0.007 χ^2/NDF: 4665369.2/84

- sign 70.307+/-0.010 χ^2/NDF: 2943087.1/42

asym_dsl_mean vs Slug



Right In: 26.064+/-117.621 χ^2/NDF: 16.8/16

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -0.009+/-116.321 χ^2/NDF: 16.7/18

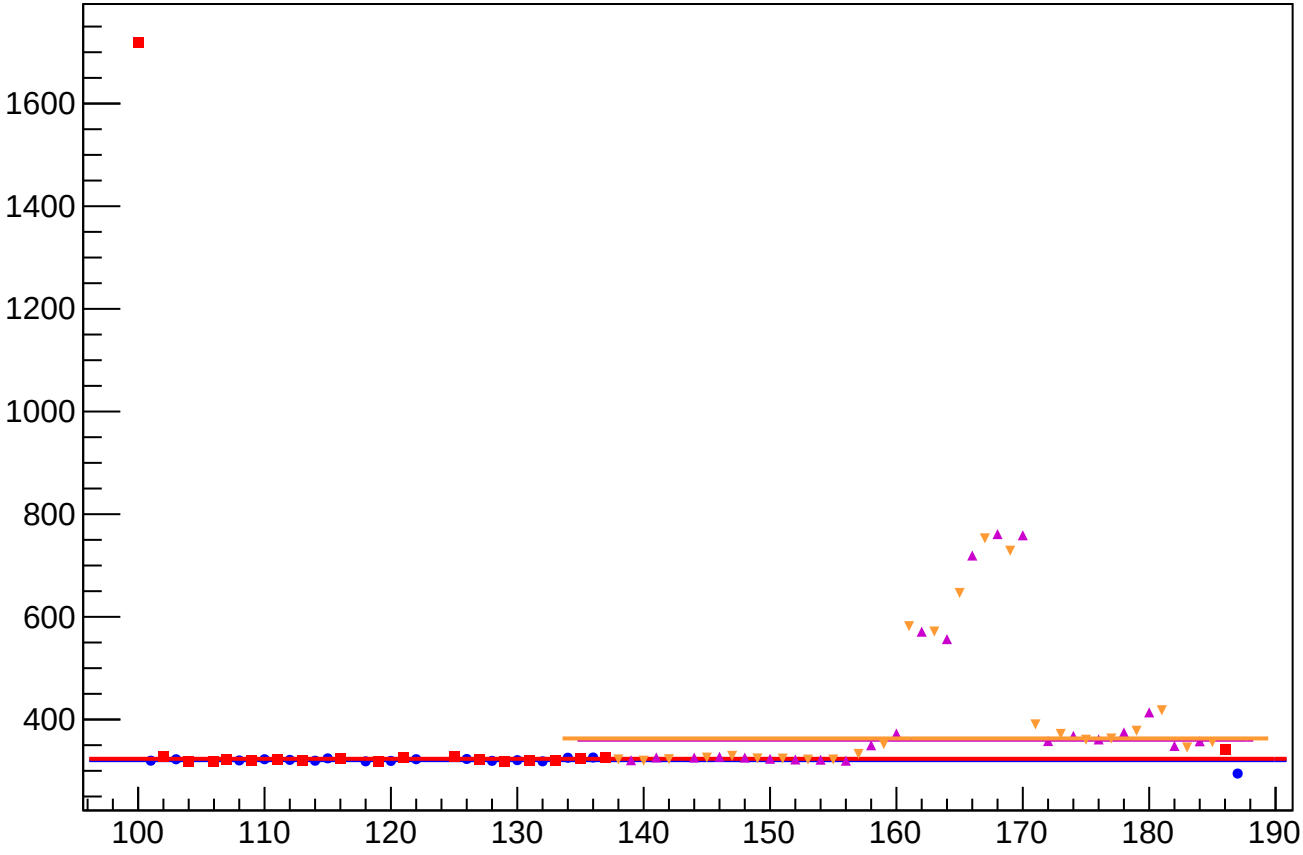
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -9.889+/-69.700 χ^2/NDF: 53.5/40

All: 22.152+/-49.179 χ^2/NDF: 106.8/82

- sign 53.916+/-69.399 χ^2/NDF: 52.9/41

asym_dsl_rms vs Slug



Right In: 320.795+/-0.083 χ^2/NDF: 3874.6/16

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 323.435+/-0.082 χ^2/NDF: 99176.4/18

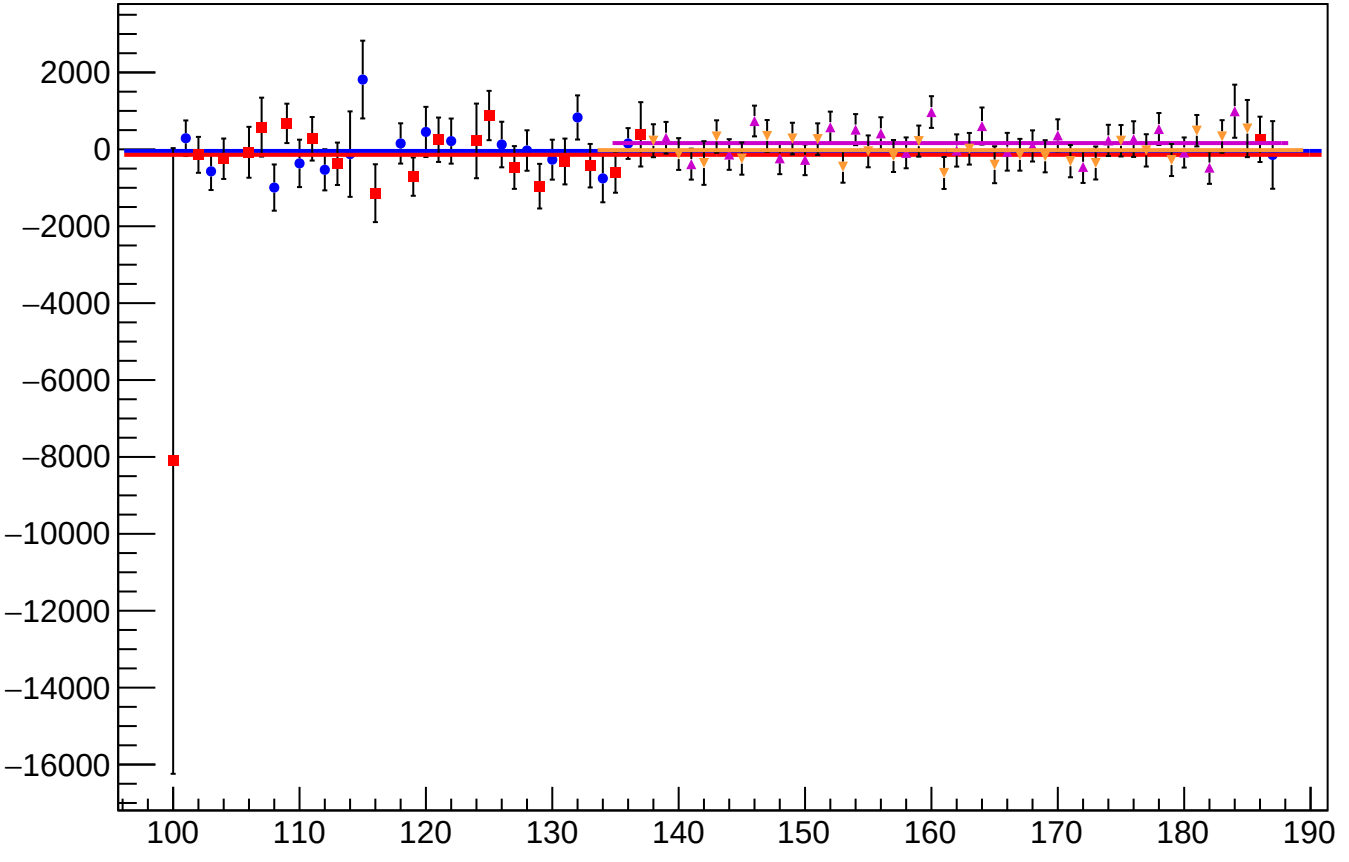
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 348.231+/-0.049 χ^2/NDF: 1967154.1/40

All: 347.794+/-0.035 χ^2/NDF: 4015568.9/82

- sign 347.361+/-0.049 χ^2/NDF: 2048258.6/41

asym_dsr_mean vs Slug



Right In: -41.585+/-138.952 χ^2/NDF: 13.7/16

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -142.308+/-135.258 χ^2/NDF: 15.6/19

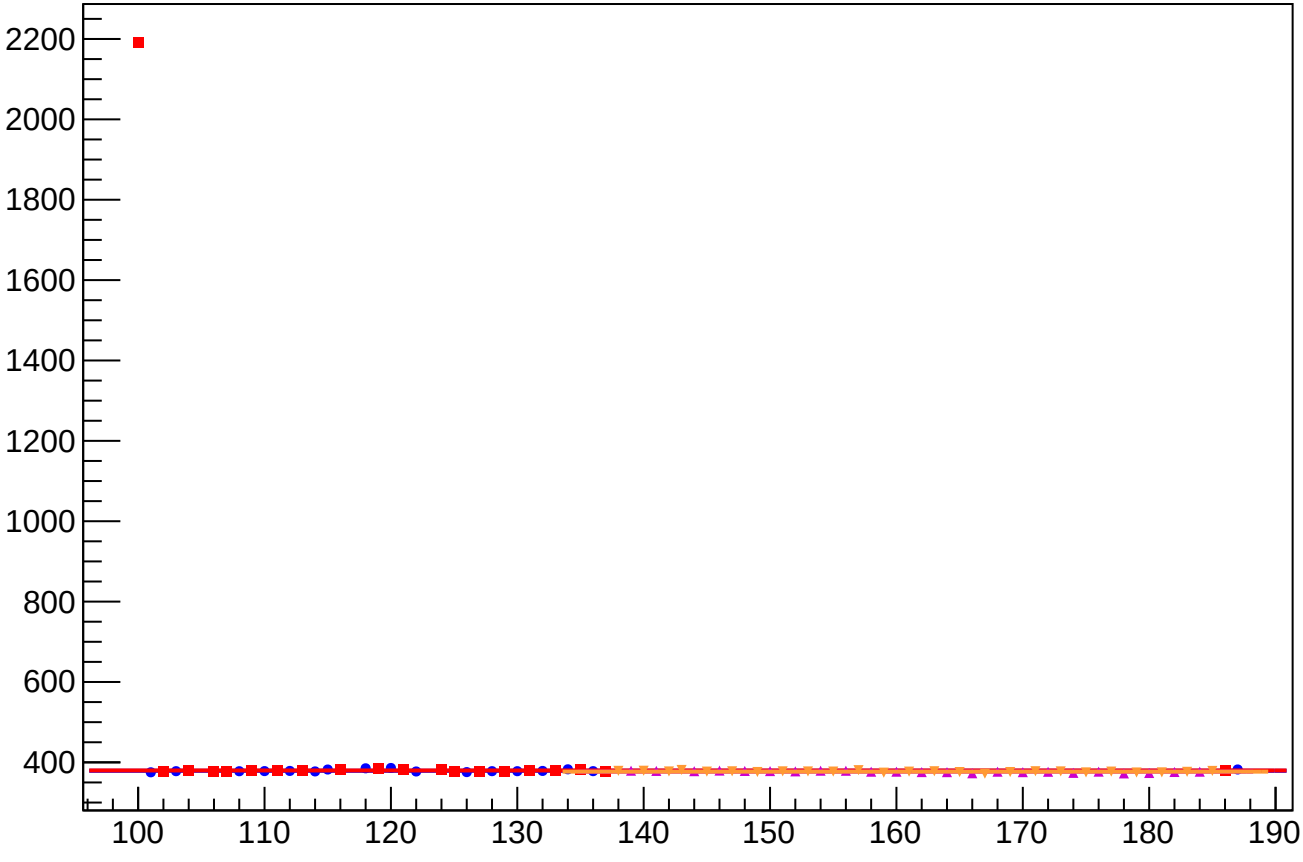
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -26.709+/-72.893 χ^2/NDF: 26.4/41

All: 22.166+/-51.846 χ^2/NDF: 68.2/84

- sign 72.206+/-73.757 χ^2/NDF: 40.9/42

asym_dsr_rms vs Slug



Right In: 378.995+/-0.098 χ^2/NDF: 880.2/16

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

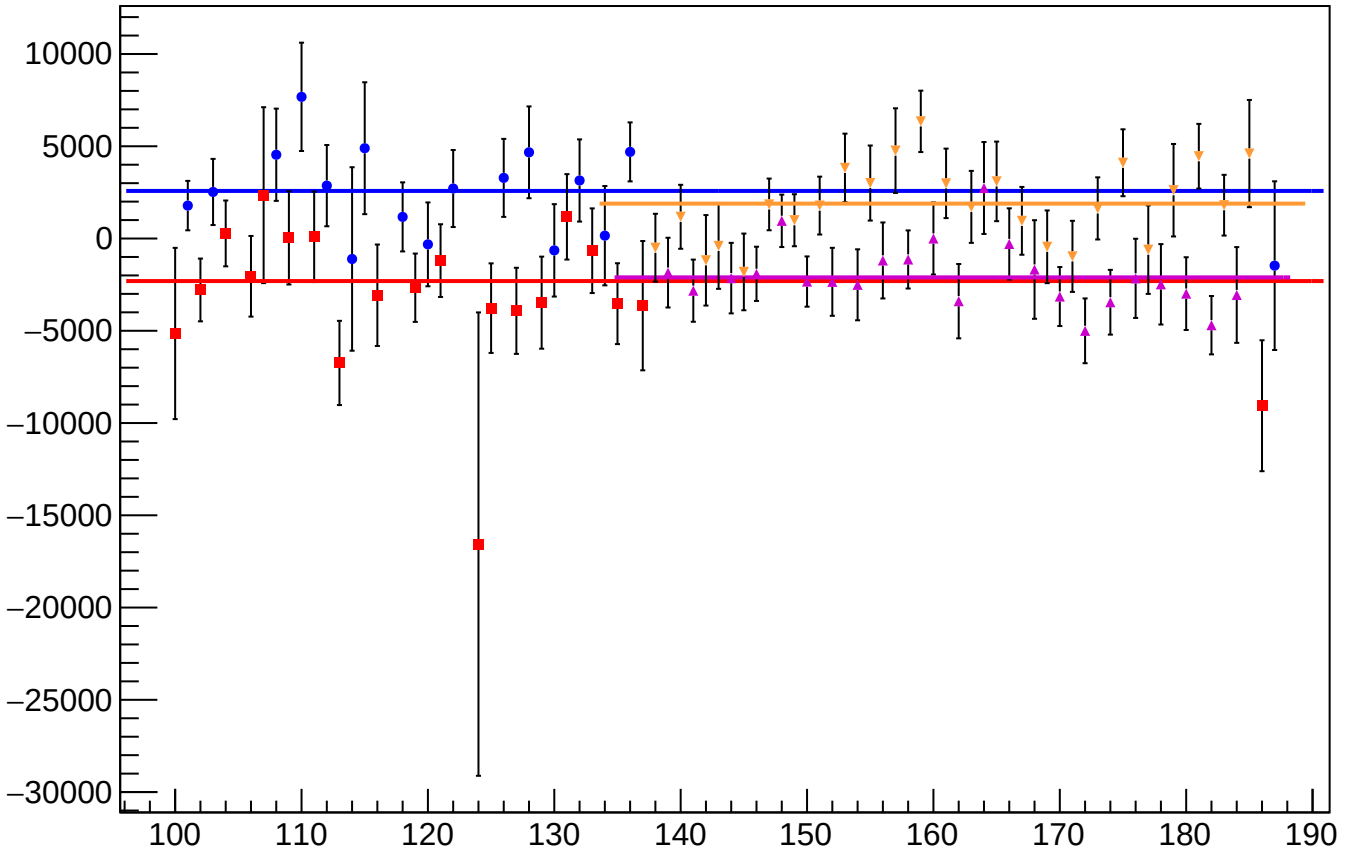
Right Out: 379.850+/-0.096 χ^2/NDF: 99622.9/19

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 377.481+/-0.052 χ^2/NDF: 2266.0/41

All: 377.609+/-0.037 χ^2/NDF: 103668.9/84

- sign 377.739+/-0.052 χ^2/NDF: 101390.4/42



Right In: 2579.295+/-534.346 χ^2/NDF: 13.1/16

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2305.150+/-540.578 χ^2/NDF: 18.8/19

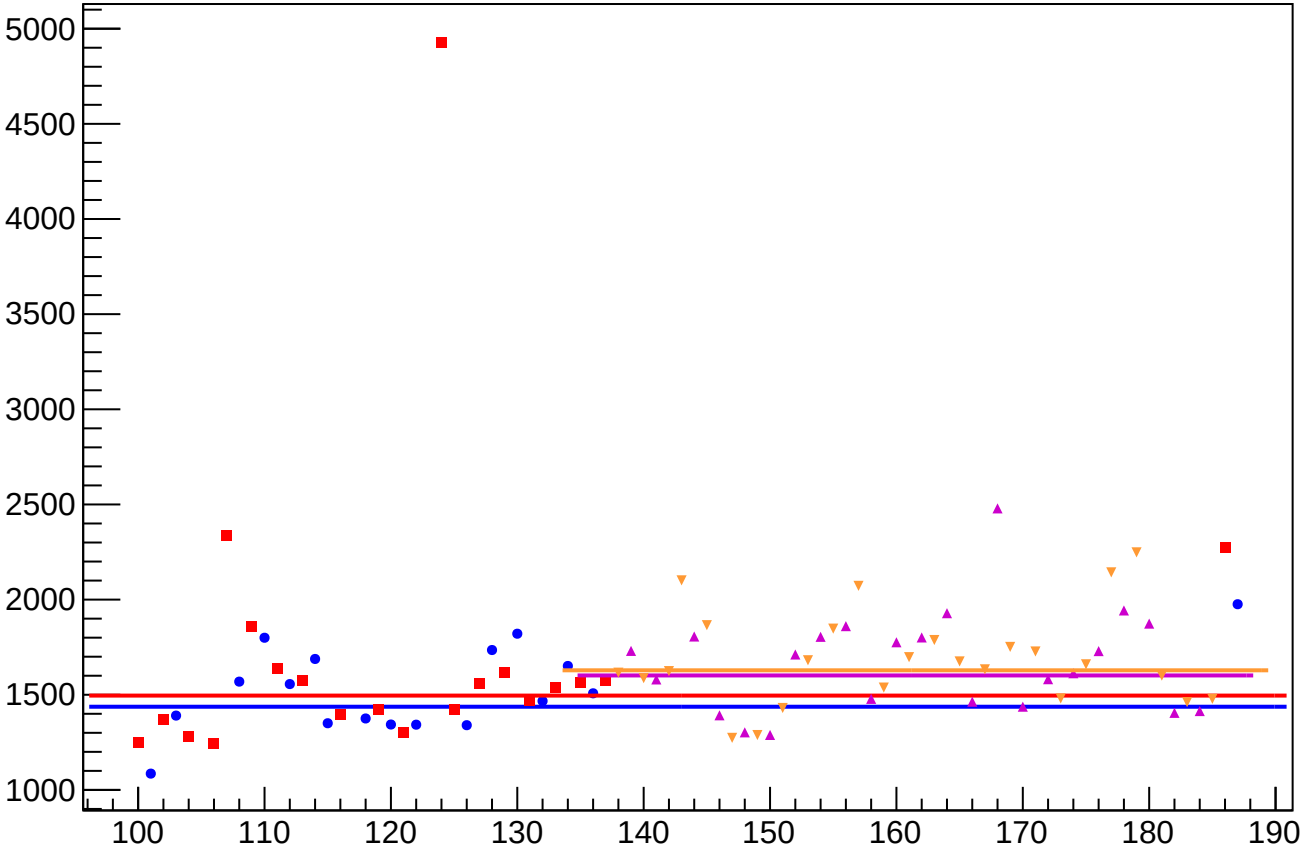
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2118.500+/-307.112 χ^2/NDF: 42.5/41

All: -3.838+/-218.299 χ^2/NDF: 176.5/84

- sign -2171.250+/-310.356 χ^2/NDF: 37.4/42

asym_us_agg_avg_rms vs Slug



Right In: 1437.116+/-0.378 χ^2/NDF: 321544.4/16

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1495.653+/-0.382 χ^2/NDF: 468293.0/19

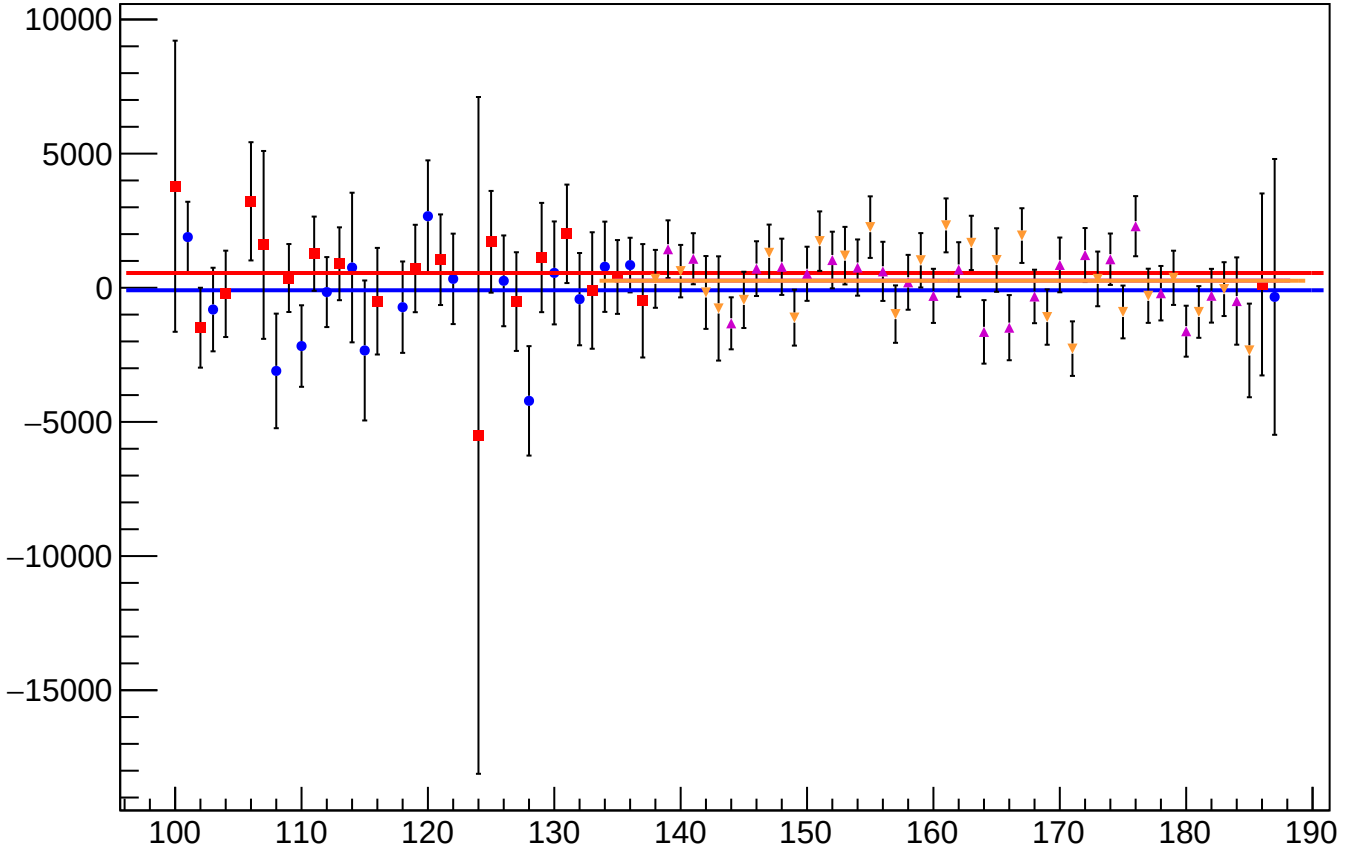
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1565.266+/-0.217 χ^2/NDF: 1272414.4/41

All: 1565.930+/-0.154 χ^2/NDF: 2585848.9/84

- sign 1566.609+/-0.219 χ^2/NDF: 1313415.6/42

asym_us_agg_dd_mean vs Slug



Right In: -92.877+/-408.659 χ^2/NDF: 14.5/16

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 550.566+/-408.353 χ^2/NDF: 6.8/19

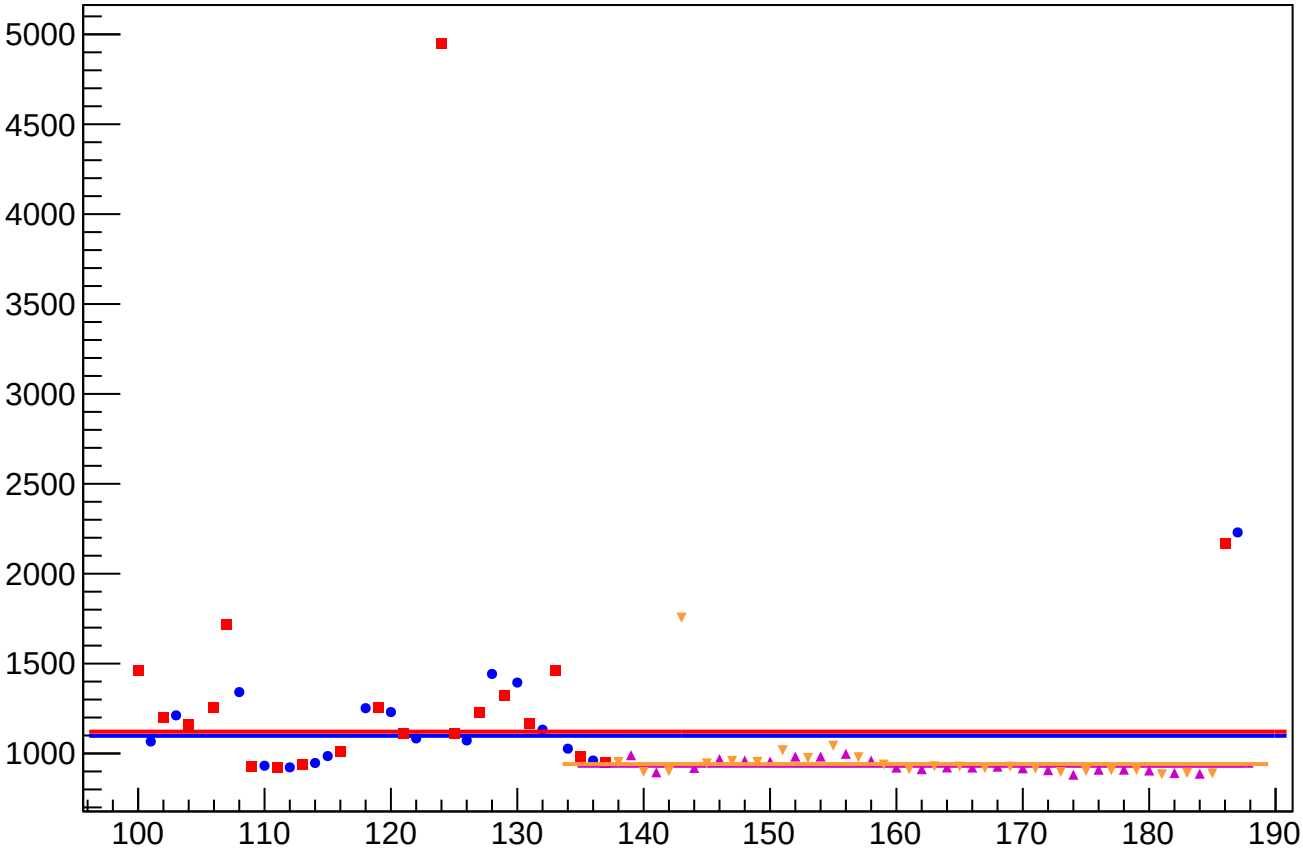
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 185.388+/-190.247 χ^2/NDF: 49.0/41

All: 256.894+/-135.174 χ^2/NDF: 77.8/84

- sign 329.796+/-192.095 χ^2/NDF: 28.5/42

asym_us_agg_dd_rms vs Slug



Right In: 1098.237+/-0.289 χ^2/NDF: 374796.1/16

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1121.431+/-0.289 χ^2/NDF: 707068.6/19

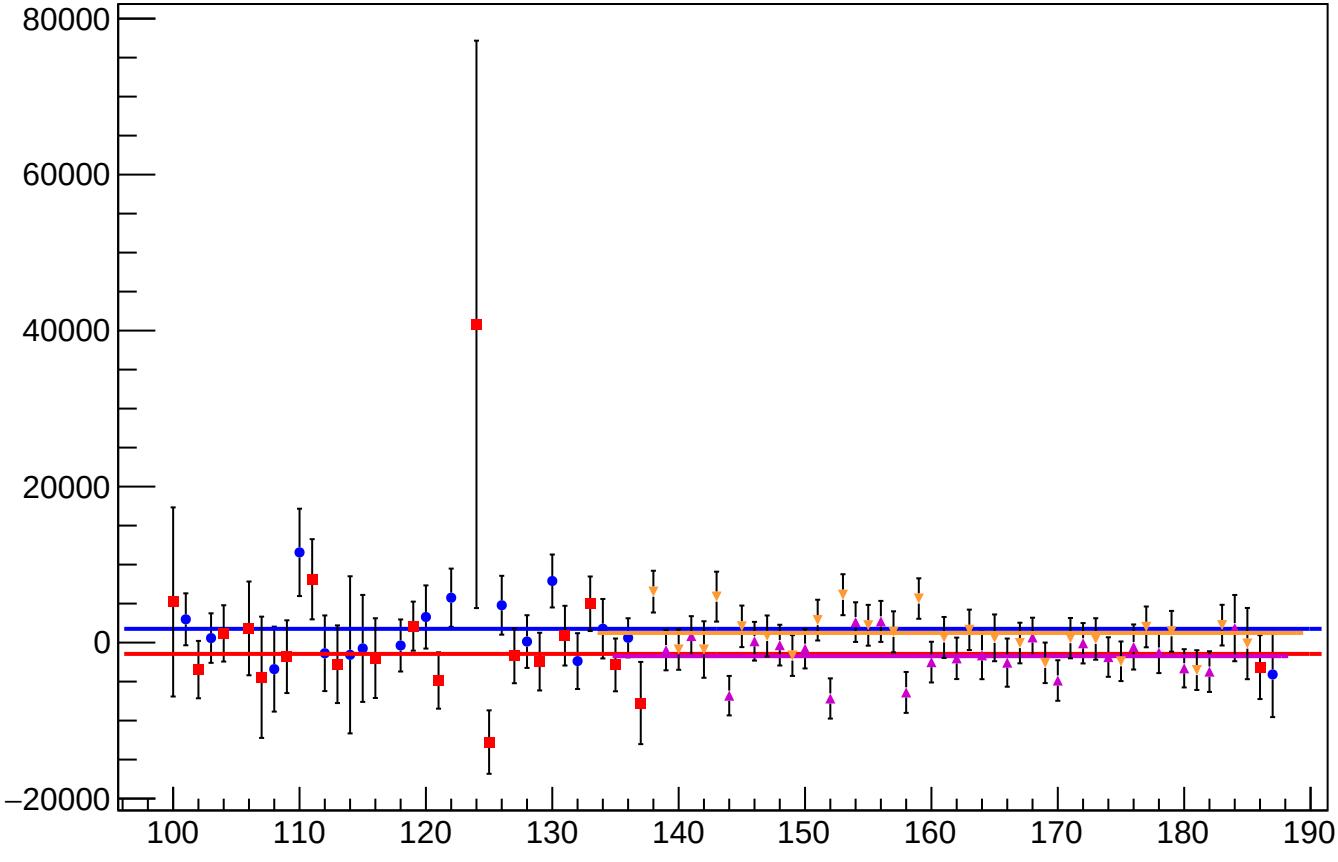
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 975.088+/-0.135 χ^2/NDF: 1024381.6/41

All: 974.340+/-0.096 χ^2/NDF: 2117128.4/84

- sign 973.578+/-0.136 χ^2/NDF: 1092684.4/42

reg_asym_atl1_mean vs Slug



Right In: 1762.150+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1451.439+/-957.795 χ^2/NDF: 22.0/19

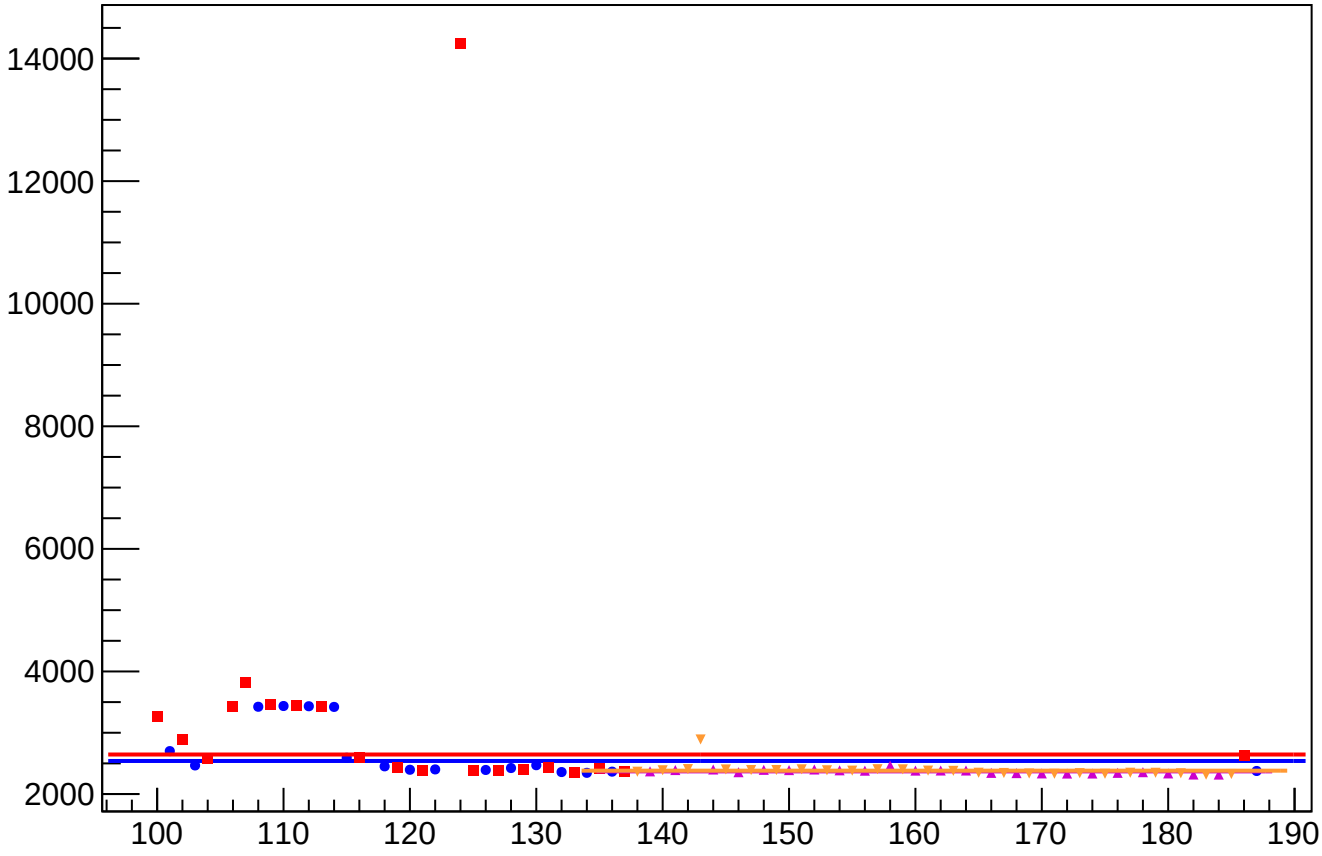
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.402+/-468.878 χ^2/NDF: 37.5/41

All: -118.707+/-335.093 χ^2/NDF: 104.5/84

- sign -1669.104+/-479.073 χ^2/NDF: 46.4/42

reg_asym_atl1_rms vs Slug



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.026+/-0.677 χ^2/NDF: 536979.7/19

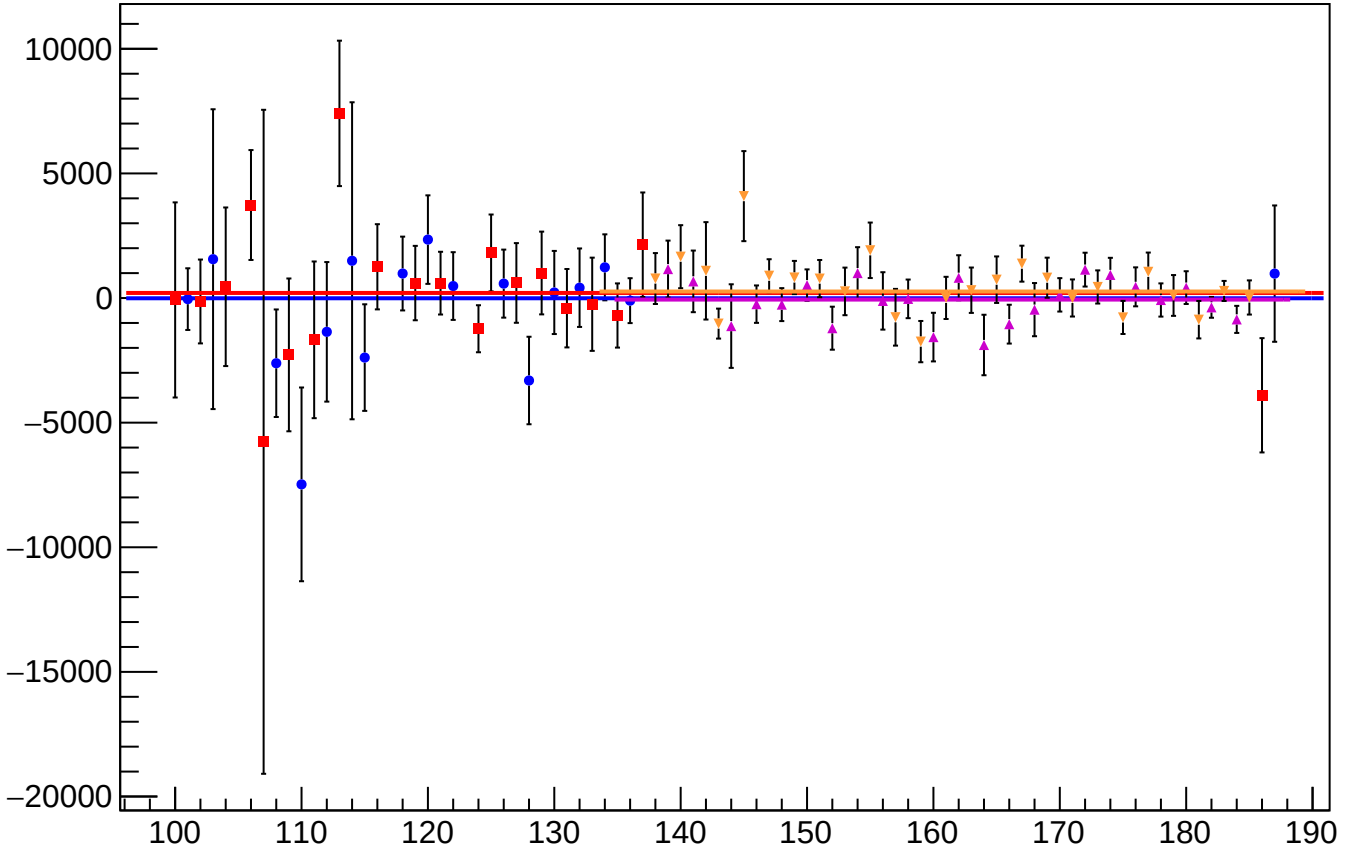
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2420.738+/-0.332 χ^2/NDF: 327738.2/41

All: 2429.352+/-0.237 χ^2/NDF: 997333.9/84

- sign 2438.345+/-0.339 χ^2/NDF: 668215.9/42

asym_atl1_reg_correction_mean vs Slug



Right In: -9.427+/-401.335 χ^2/NDF: 13.9/16

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 204.378+/-392.678 χ^2/NDF: 18.9/19

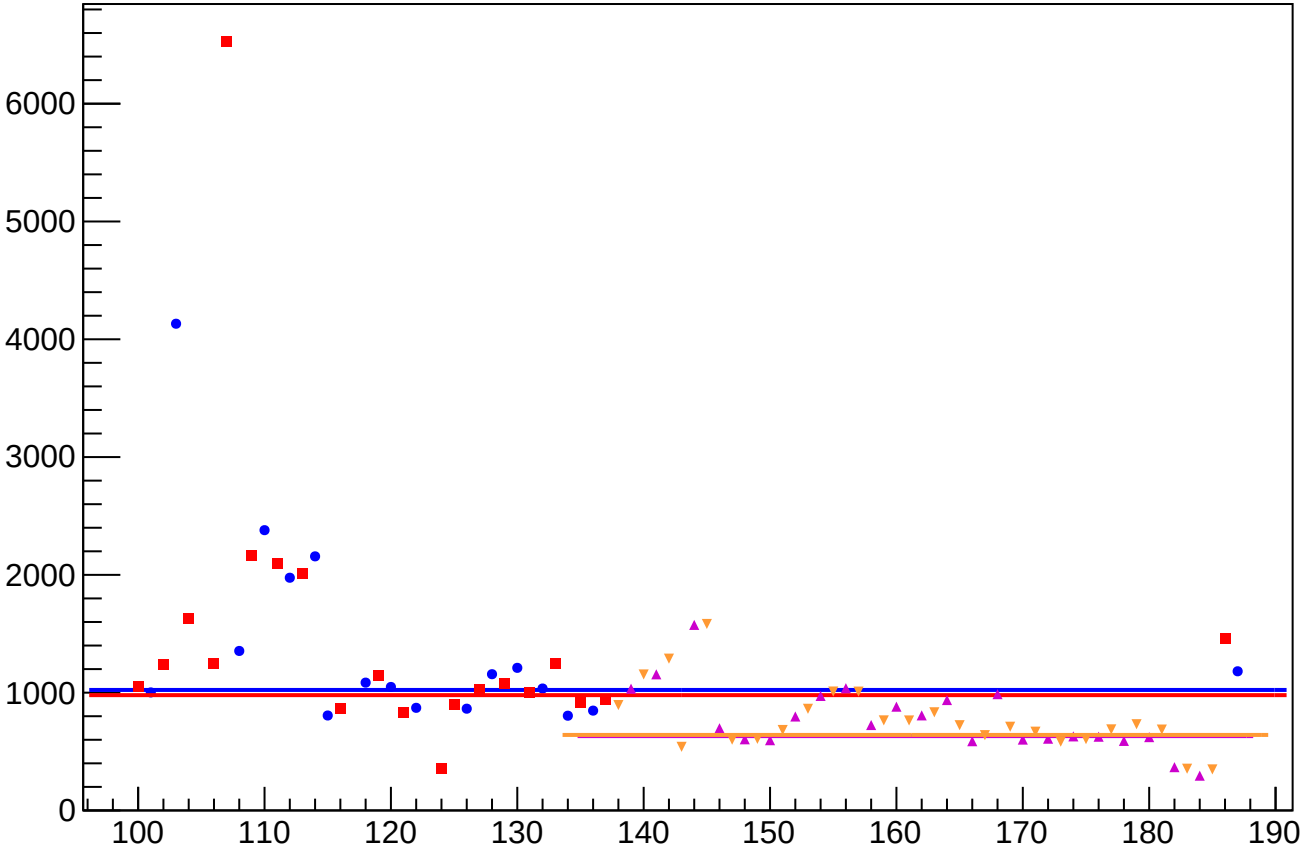
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 227.053+/-143.786 χ^2/NDF: 45.4/41

All: 102.988+/-102.479 χ^2/NDF: 88.3/84

- sign -25.093+/-146.095 χ^2/NDF: 41.3/42

asym_atl1_reg_correction_rms vs Slug



Right In: 1023.011+/-0.284 χ^2/NDF: 1371612.1/16

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 978.949+/-0.278 χ^2/NDF: 2400466.7/19

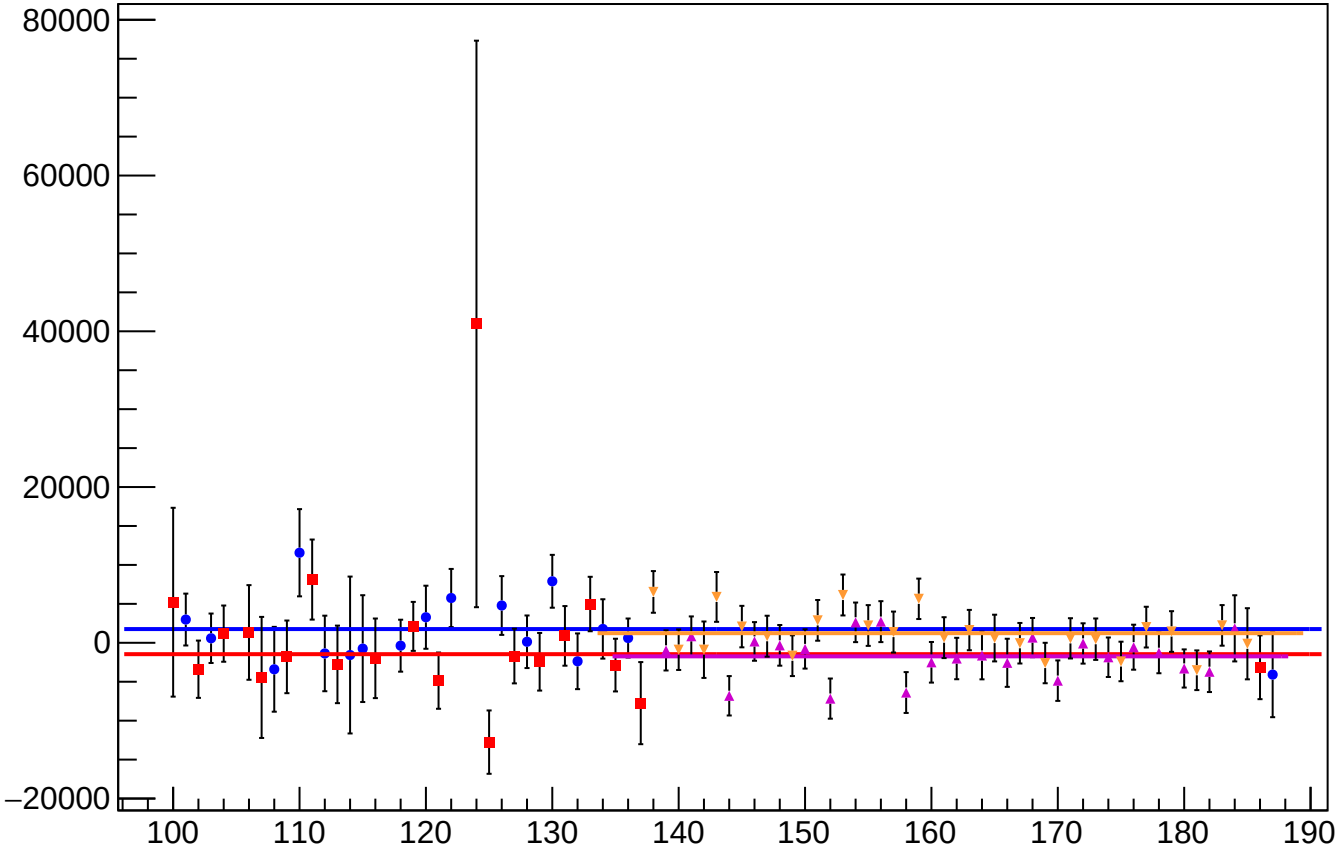
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 690.170+/-0.102 χ^2/NDF: 6424634.1/41

All: 684.838+/-0.072 χ^2/NDF: 14157537.2/84

- sign 679.334+/-0.103 χ^2/NDF: 7727314.0/42

cor_asym_atl1_mean vs Slug



Right In: 1762.480+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1460.603+/-958.071 χ^2/NDF: 21.9/19

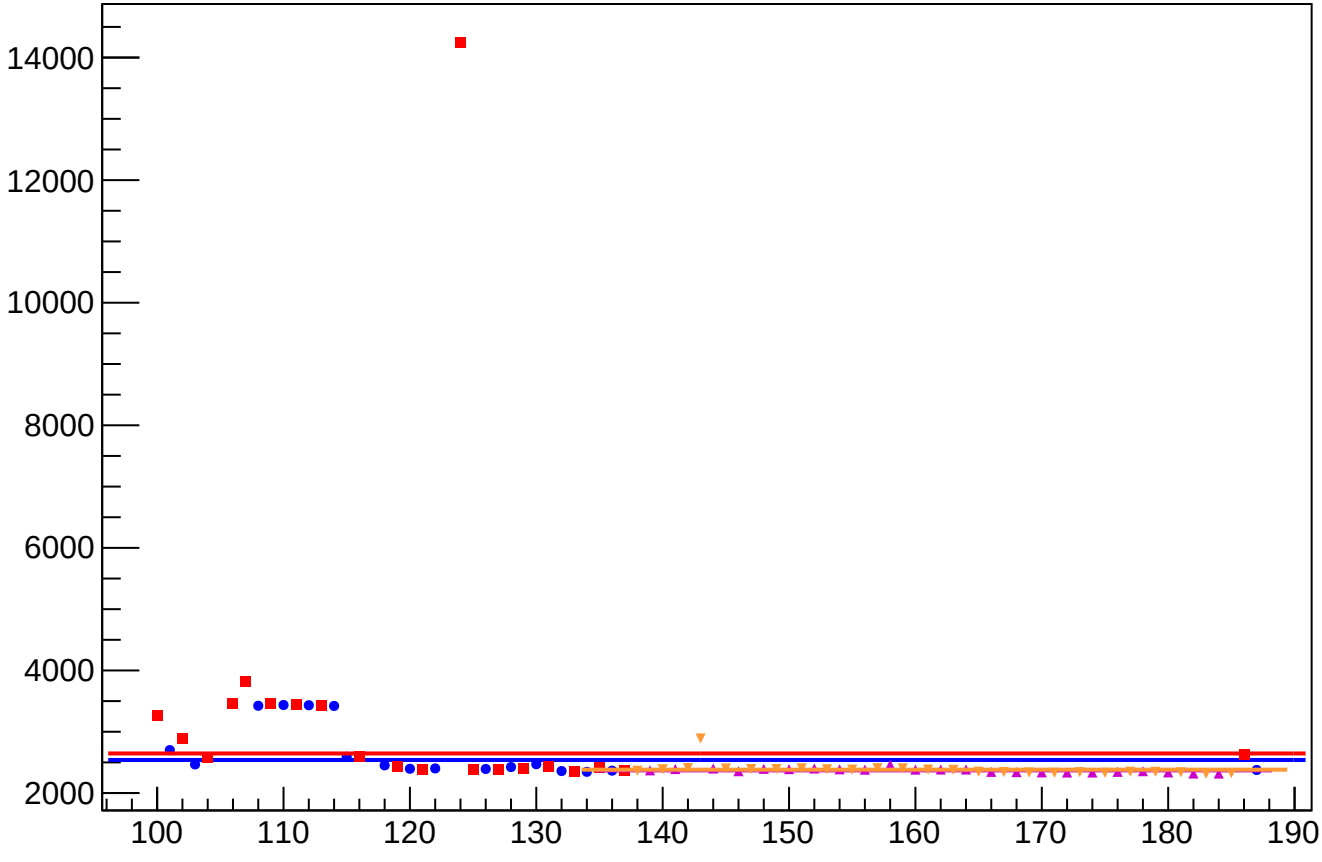
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.467+/-468.878 χ^2/NDF: 37.5/41

All: -119.721+/-335.105 χ^2/NDF: 104.4/84

- sign -1671.468+/-479.108 χ^2/NDF: 46.3/42

cor_asym_atl1_rms vs Slug



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.551+/-0.677 χ^2/NDF: 539562.8/19

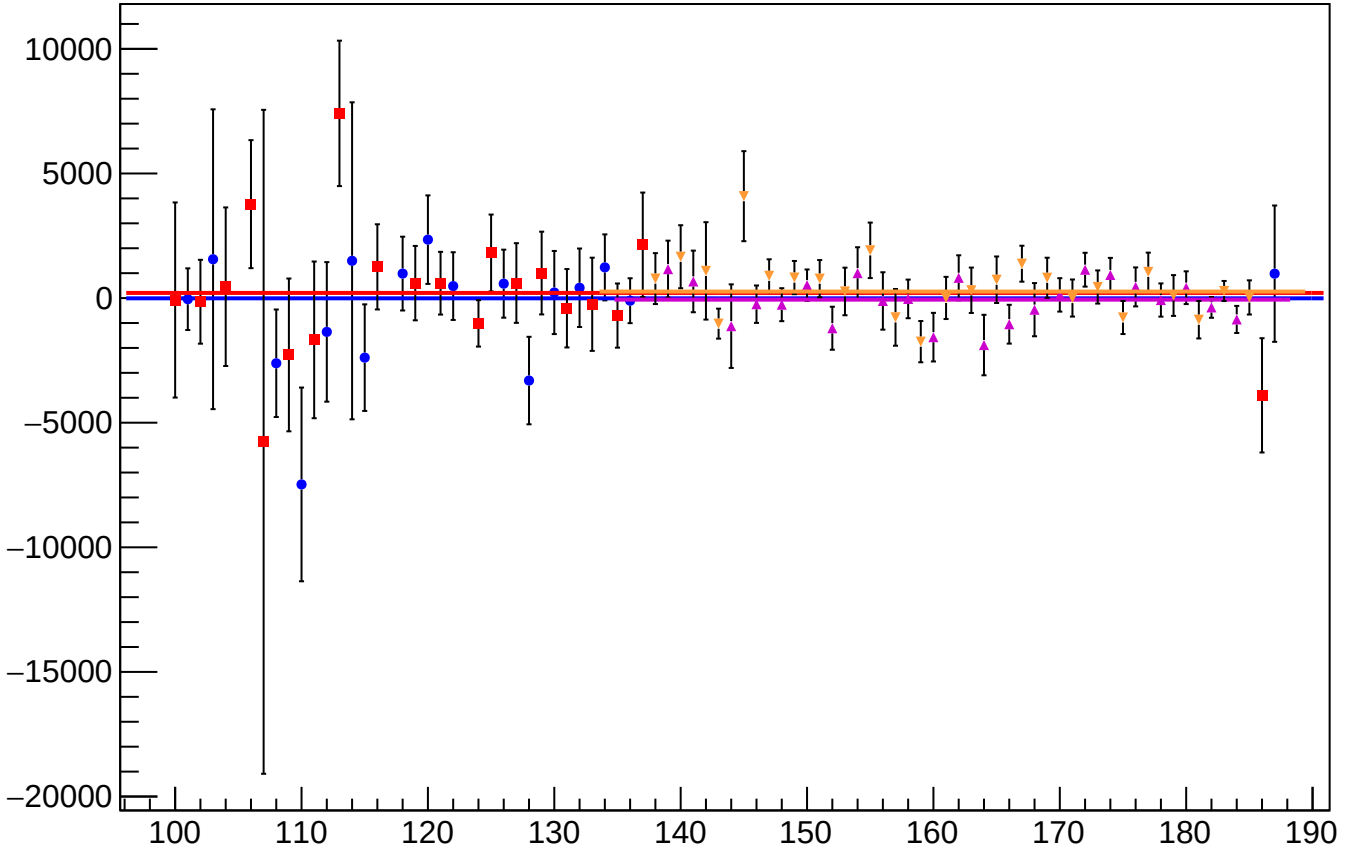
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2420.738+/-0.332 χ^2/NDF: 327738.2/41

All: 2429.401+/-0.237 χ^2/NDF: 1000352.9/84

- sign 2438.447+/-0.339 χ^2/NDF: 671219.0/42

asym_atl1_cor_correction_mean vs Slug



Right In: -9.488+/-401.332 χ^2/NDF: 13.9/16

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 207.287+/-393.411 χ^2/NDF: 17.7/19

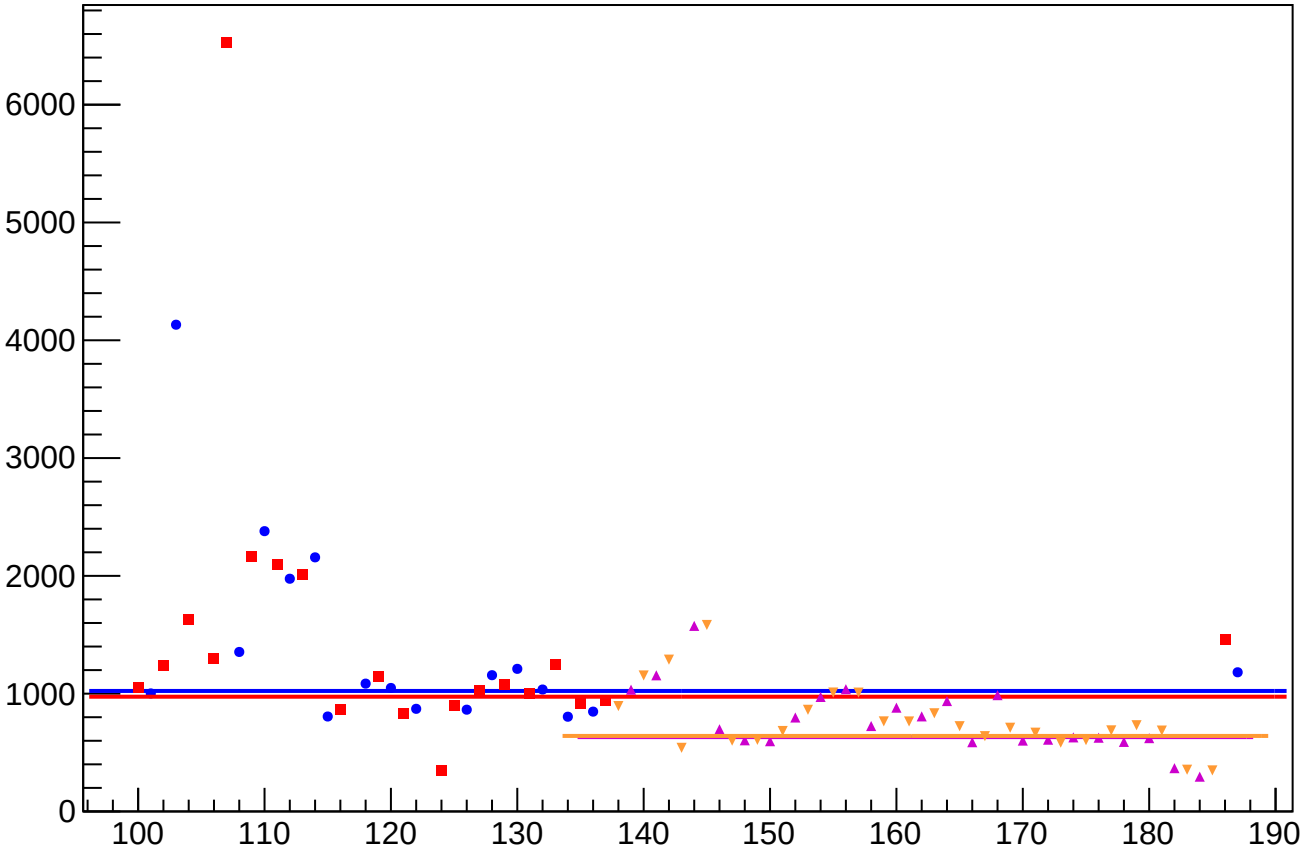
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 227.291+/-143.788 χ^2/NDF: 45.4/41

All: 103.272+/-102.492 χ^2/NDF: 87.0/84

- sign -24.825+/-146.132 χ^2/NDF: 40.1/42

asym_atl1_cor_correction_rms vs Slug



Right In: 1023.002+/-0.284 χ^2/NDF: 1371607.2/16

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 974.116+/-0.278 χ^2/NDF: 2437377.6/19

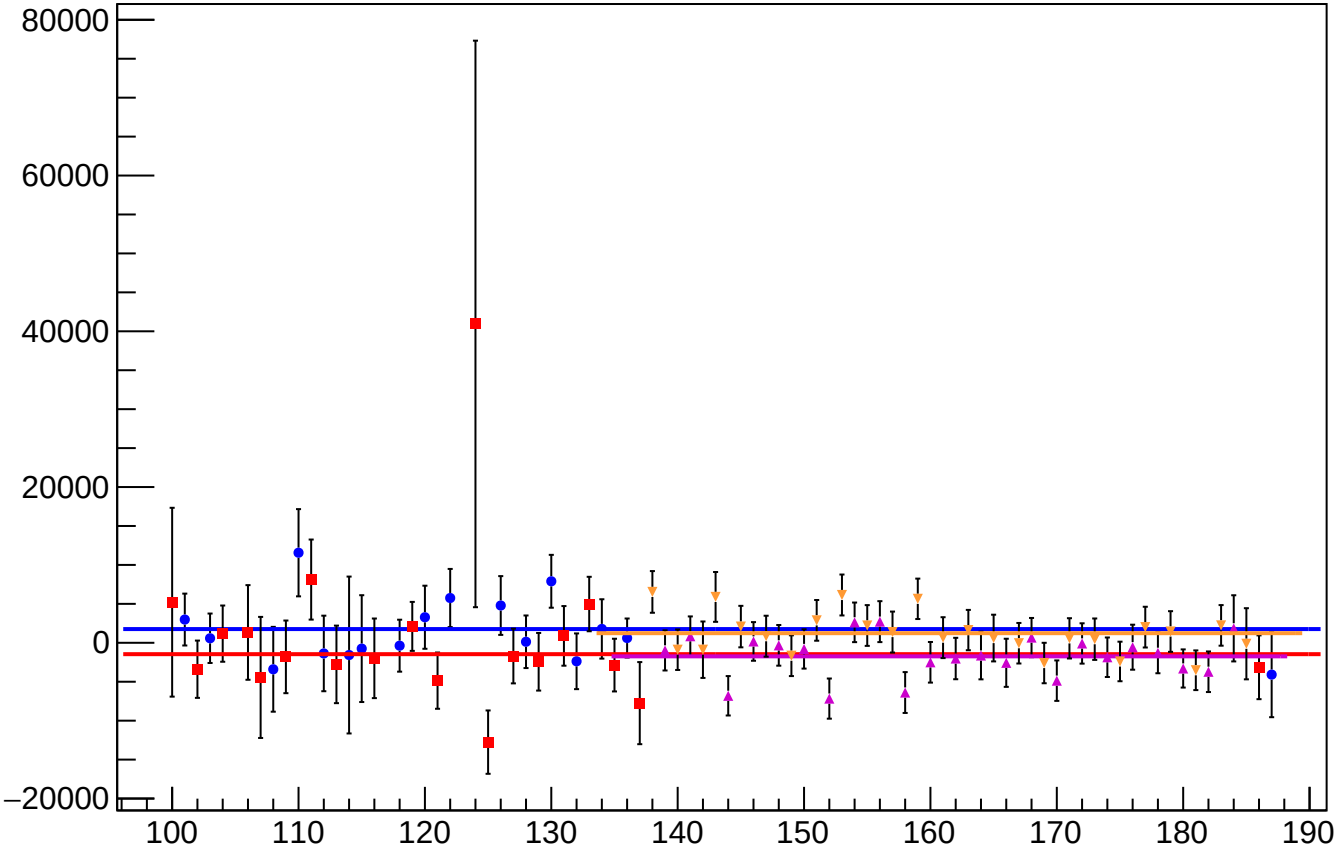
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 690.182+/-0.102 χ^2/NDF: 6424192.7/41

All: 684.441+/-0.072 χ^2/NDF: 14153530.4/84

- sign 678.510+/-0.103 χ^2/NDF: 7722855.1/42

eigen_cor_asym_atl1_mean vs Slug



Right In: 1762.480+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1460.603+/-958.071 χ^2/NDF: 21.9/19

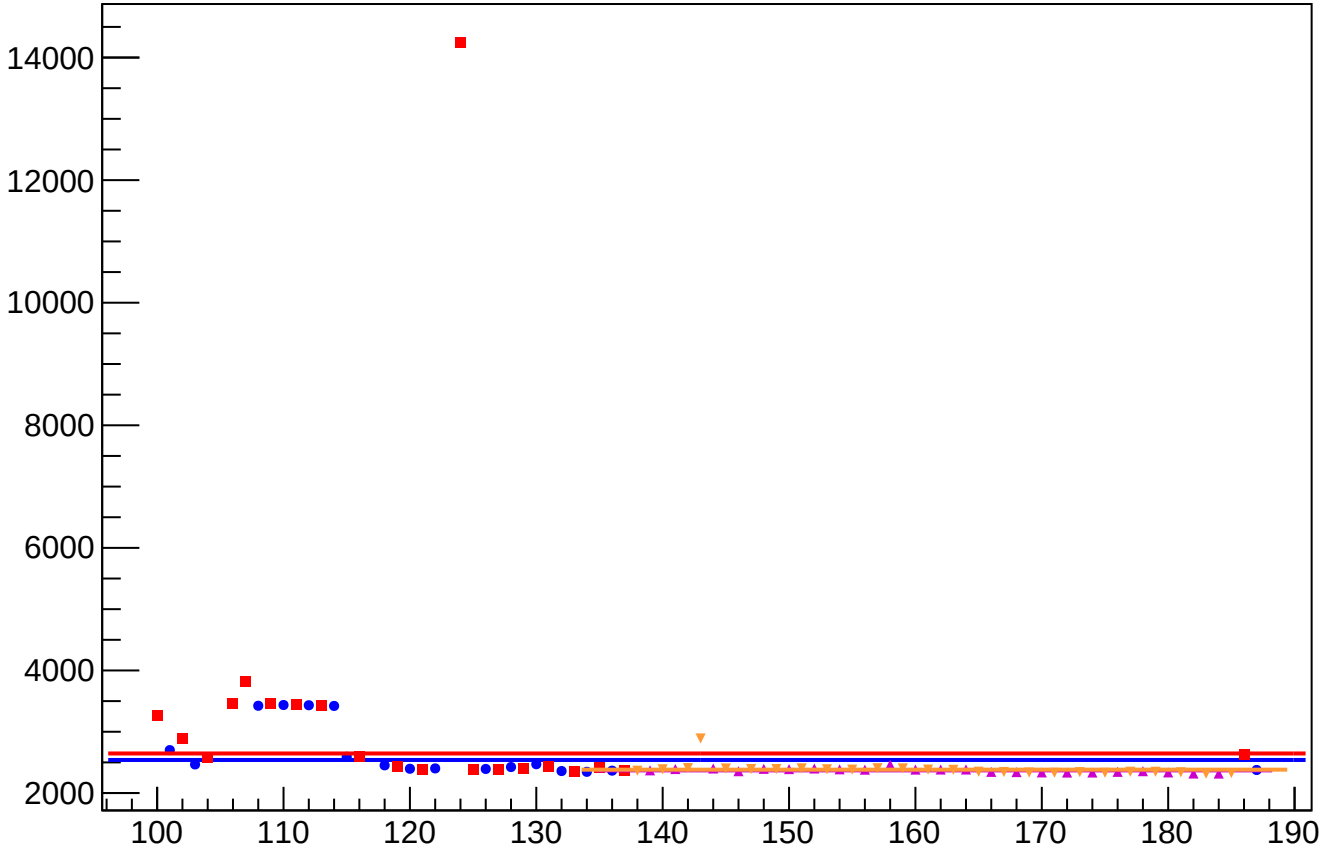
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1366.467+/-468.878 χ^2/NDF: 37.5/41

All: -119.721+/-335.105 χ^2/NDF: 104.4/84

- sign -1671.468+/-479.108 χ^2/NDF: 46.3/42

eigen_cor_asym_atl1_rms vs Slug



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2645.551+/-0.677 χ^2/NDF: 539562.8/19

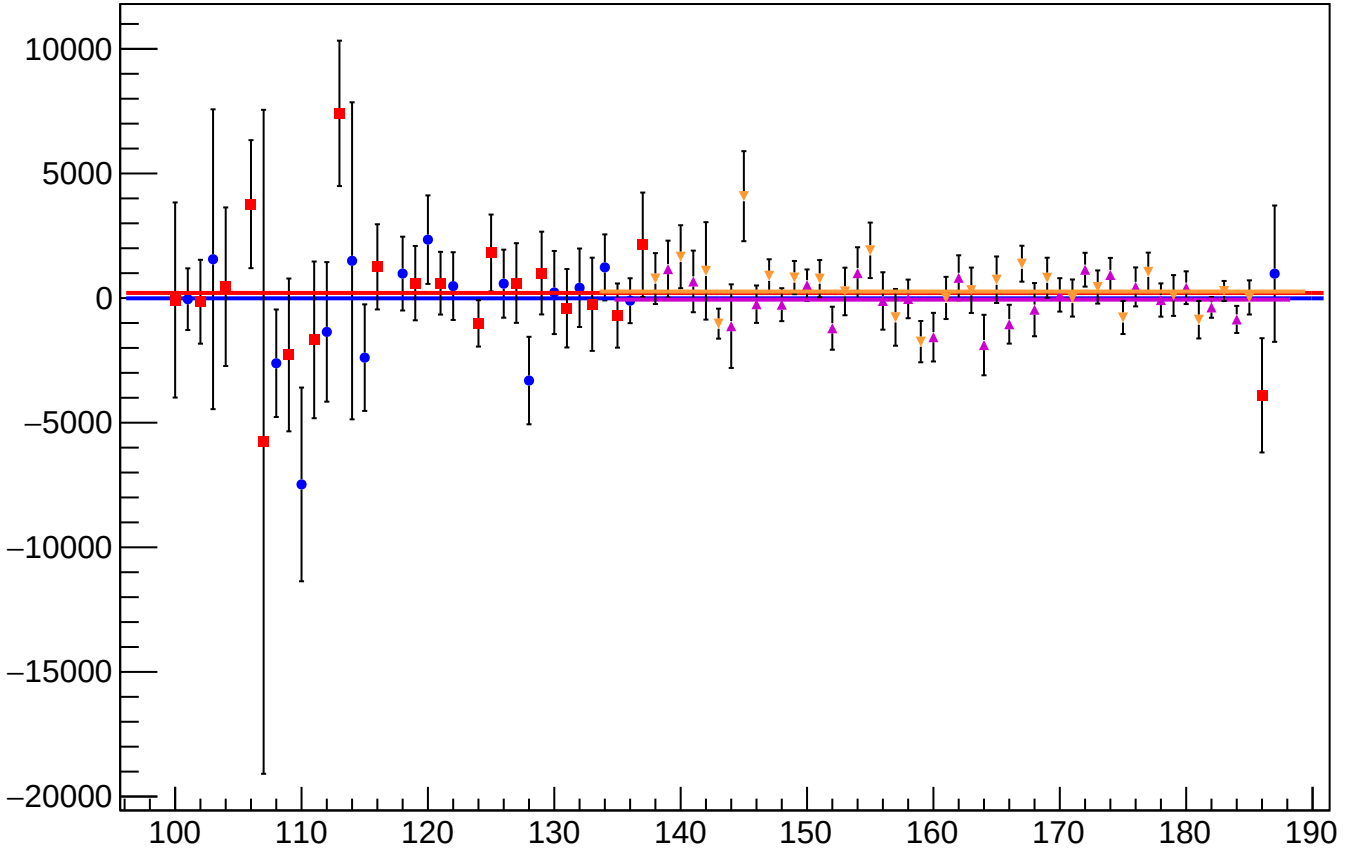
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2420.738+/-0.332 χ^2/NDF: 327738.2/41

All: 2429.401+/-0.237 χ^2/NDF: 1000352.9/84

- sign 2438.447+/-0.339 χ^2/NDF: 671219.0/42

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: -9.488+/-401.332 χ^2/NDF: 13.9/16

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 207.287+/-393.411 χ^2/NDF: 17.7/19

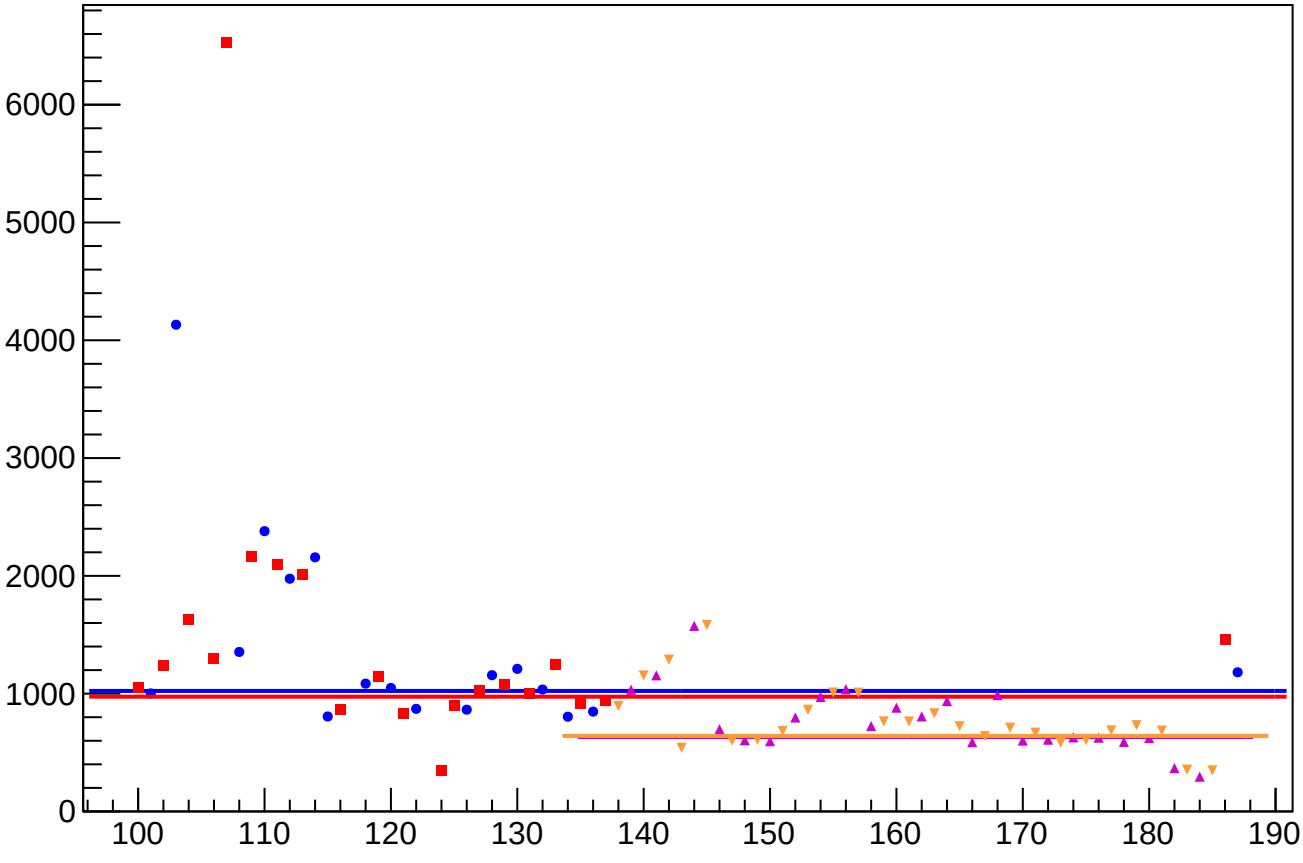
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 227.291+/-143.788 χ^2/NDF: 45.4/41

All: 103.272+/-102.492 χ^2/NDF: 87.0/84

- sign -24.825+/-146.132 χ^2/NDF: 40.1/42

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 1023.002+/-0.284 χ^2/NDF: 1371607.2/16

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 974.116+/-0.278 χ^2/NDF: 2437377.6/19

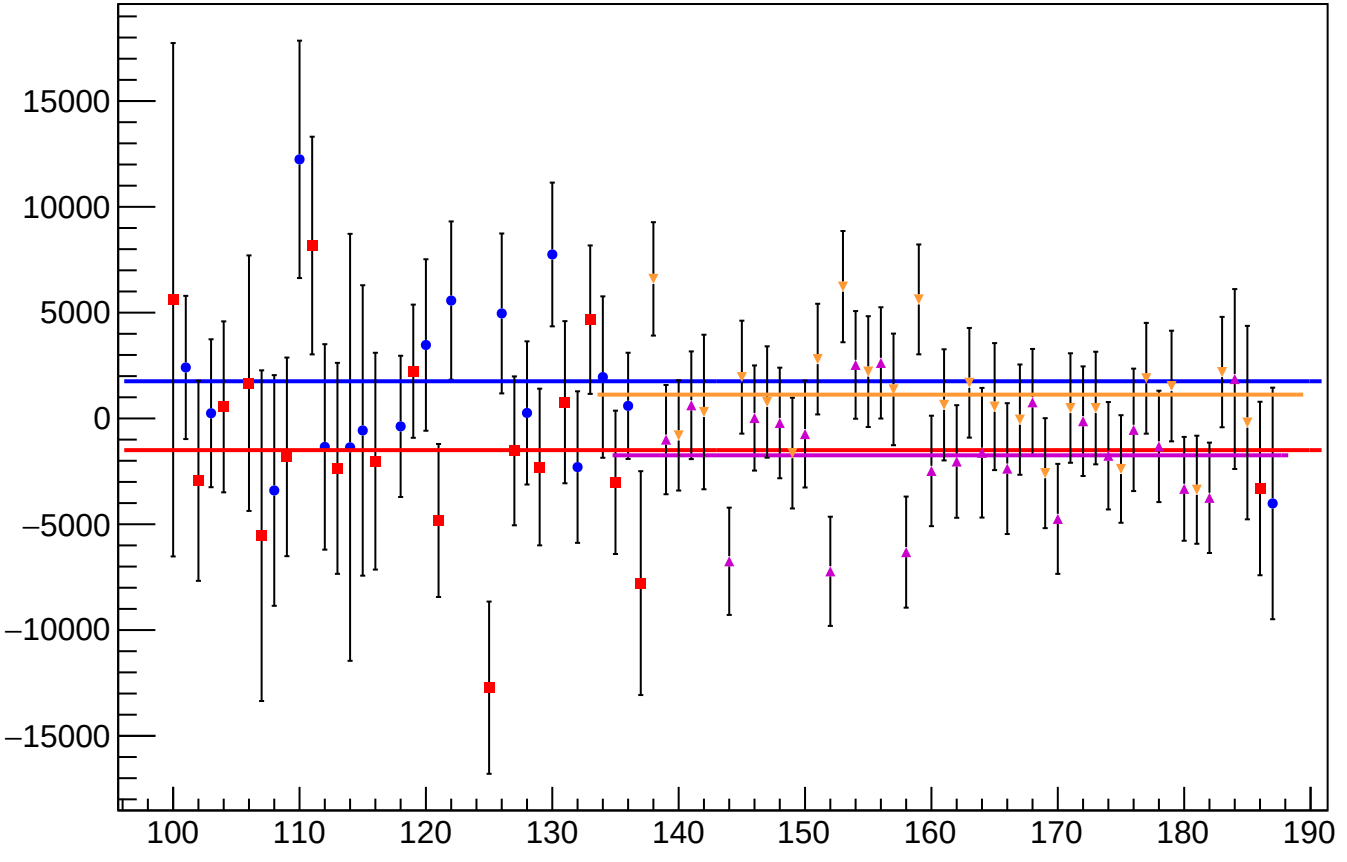
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 690.182+/-0.102 χ^2/NDF: 6424192.7/41

All: 684.441+/-0.072 χ^2/NDF: 14153530.4/84

- sign 678.510+/-0.103 χ^2/NDF: 7722855.1/42

dit_asym_atl1_mean vs Slug



Right In: 1757.397+/-947.775 χ^2/NDF: 13.5/16

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1497.436+/-979.850 χ^2/NDF: 20.0/18

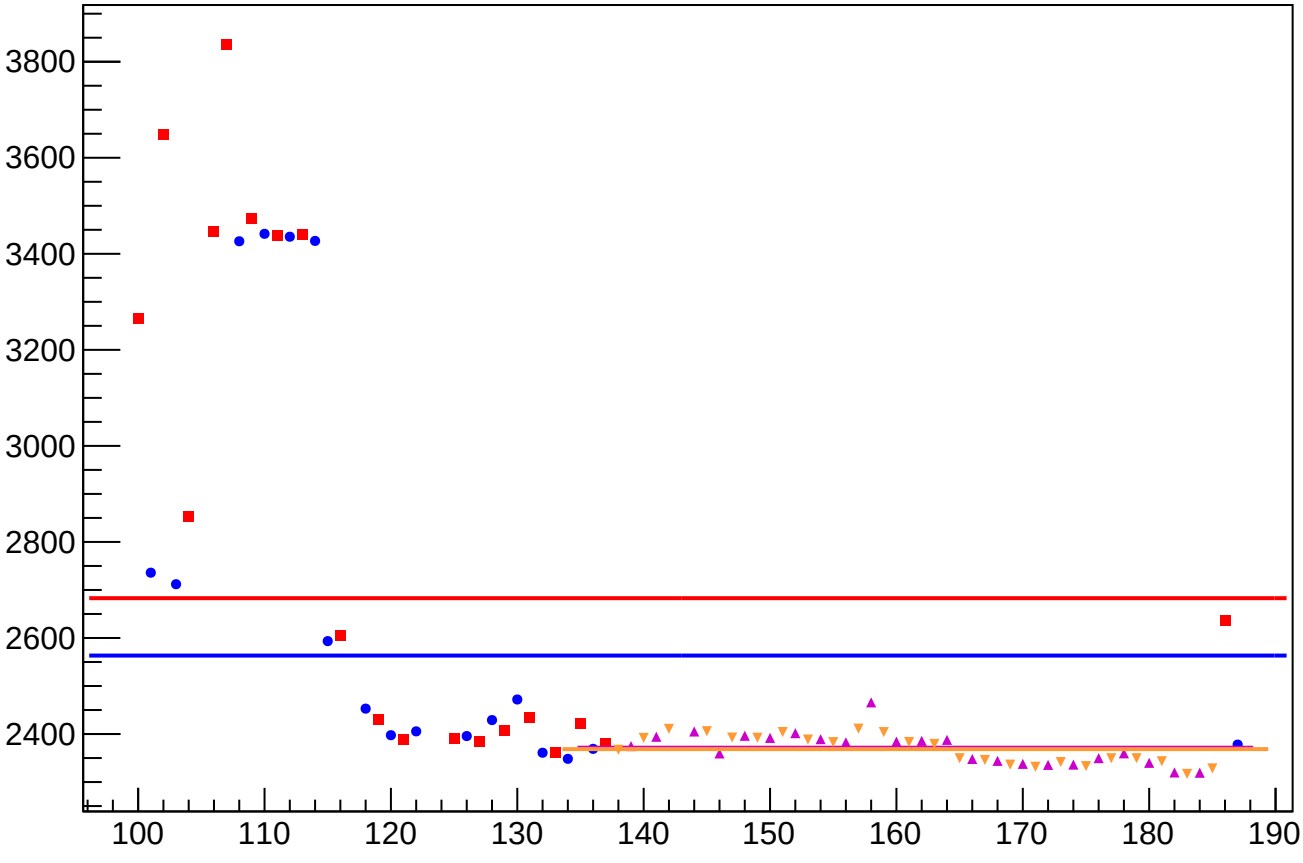
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1284.662+/-475.596 χ^2/NDF: 35.0/40

All: -179.050+/-338.571 χ^2/NDF: 98.0/82

- sign -1683.029+/-482.094 χ^2/NDF: 43.8/41

dit_asym_atl1_rms vs Slug



Right In: 2563.394+/-0.670 χ^2/NDF: 231855.6/16

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2682.887+/-0.693 χ^2/NDF: 419531.9/18

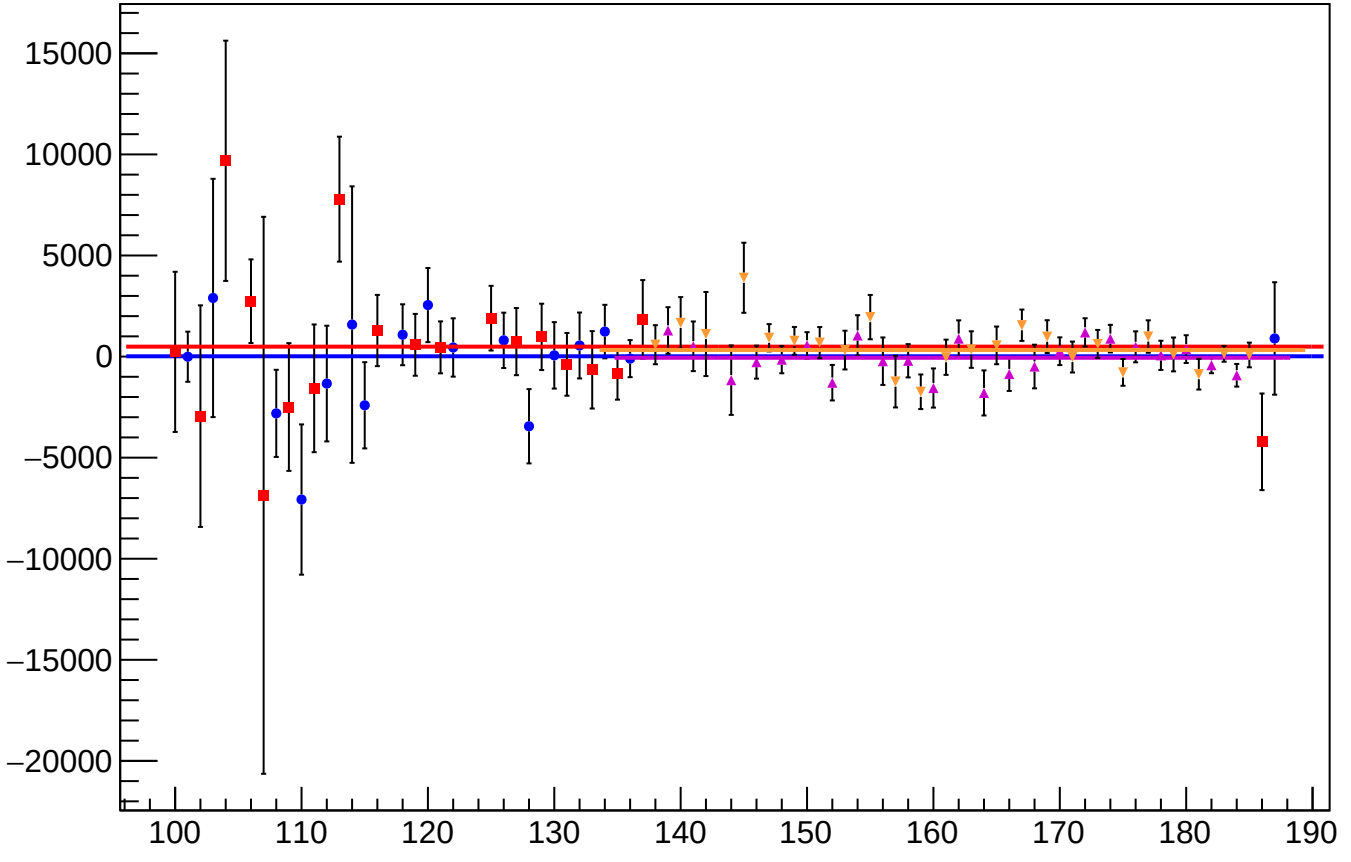
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2417.627+/-0.336 χ^2/NDF: 300656.9/40

All: 2432.061+/-0.239 χ^2/NDF: 884047.1/82

- sign 2446.892+/-0.341 χ^2/NDF: 579655.3/41

asym_atl1_dit_correction_mean vs Slug



Right In: 14.204+/-407.792 χ^2/NDF: 14.6/16

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 491.156+/-452.194 χ^2/NDF: 18.4/18

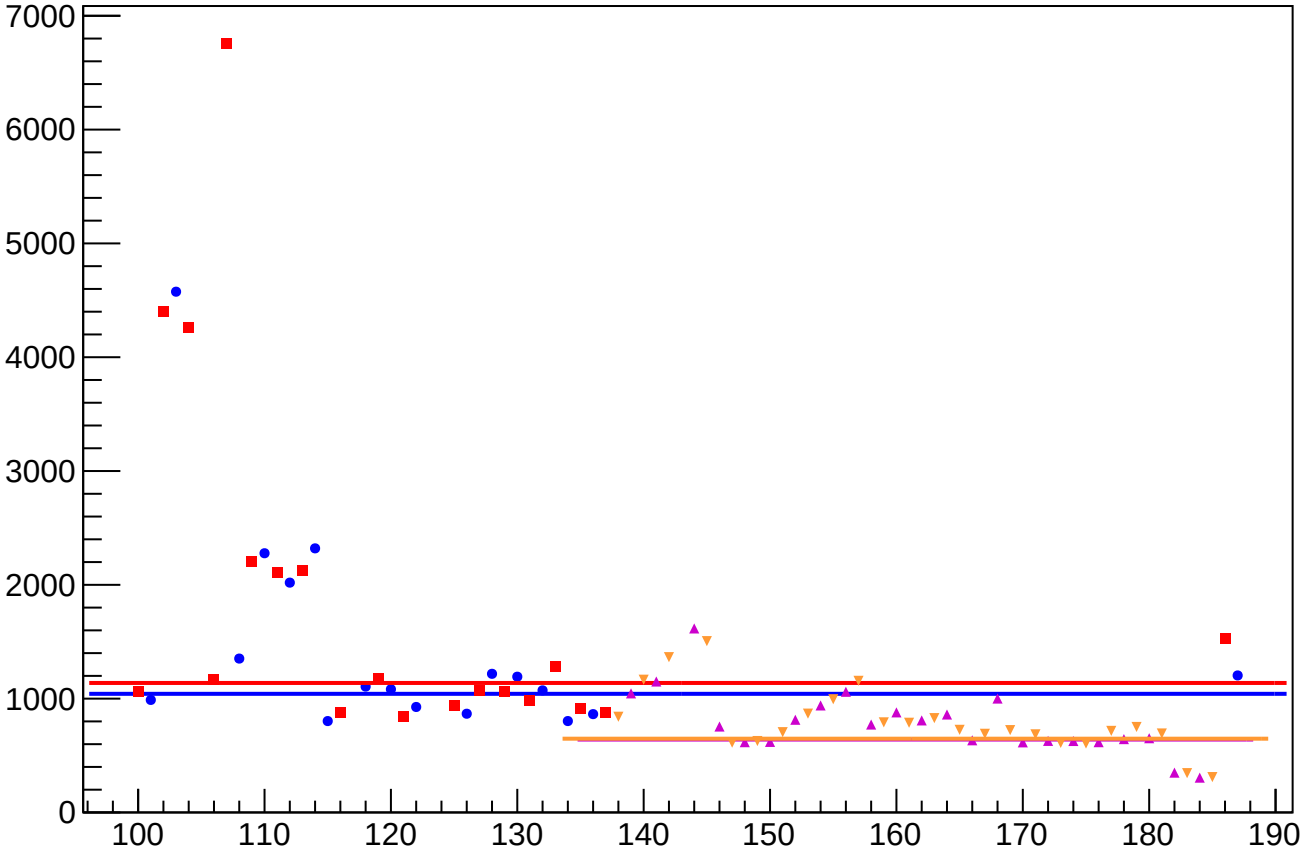
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 284.347+/-148.979 χ^2/NDF: 41.9/40

All: 144.385+/-105.898 χ^2/NDF: 86.1/82

- sign 1.439+/-150.559 χ^2/NDF: 42.4/41

asym_atl1_dit_correction_rms vs Slug



Right In: 1042.351+/-0.288 χ^2/NDF: 1546620.4/16

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 1137.828+/-0.320 χ^2/NDF: 2589783.7/18

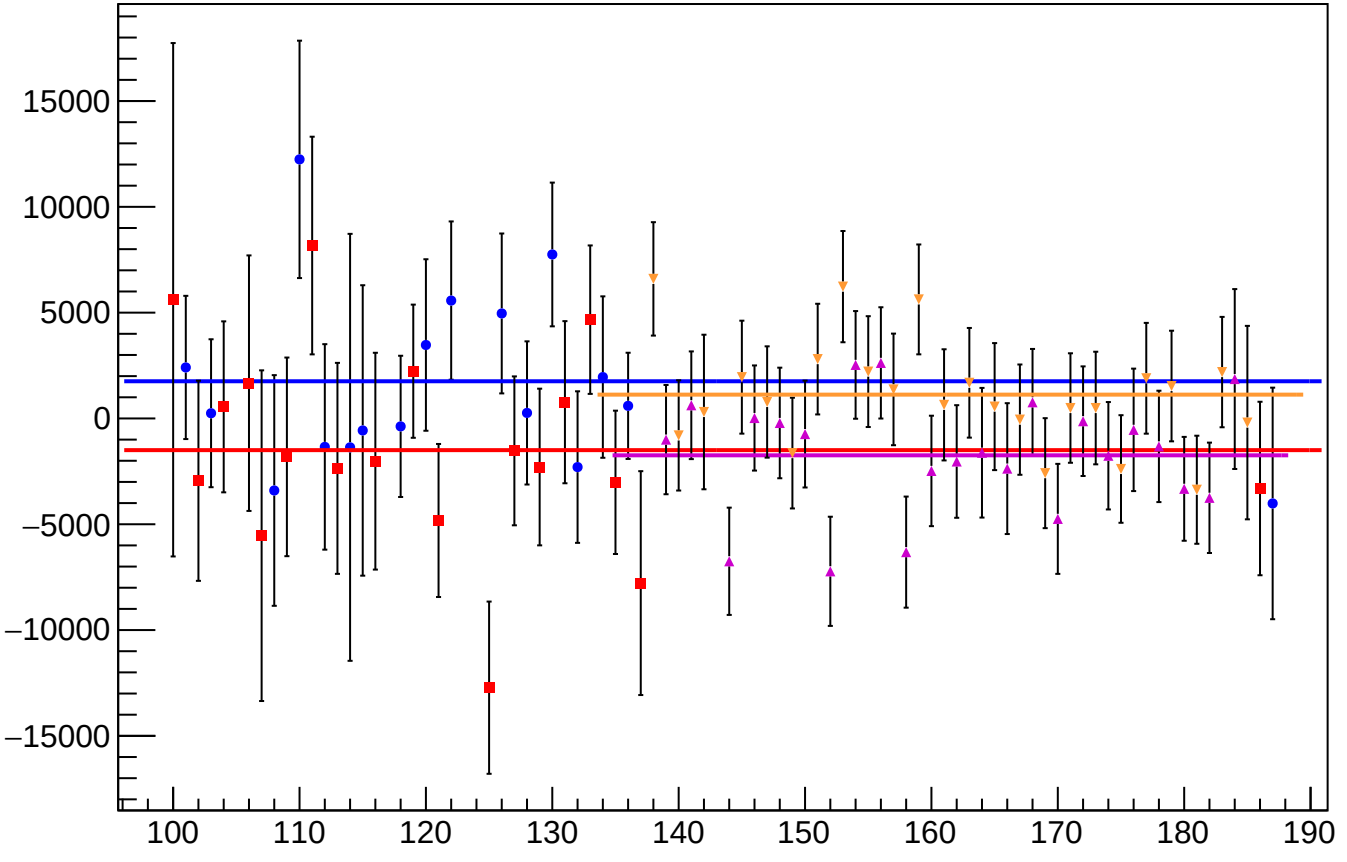
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 700.720+/-0.105 χ^2/NDF: 7053490.8/40

All: 698.169+/-0.075 χ^2/NDF: 15924884.2/82

- sign 695.563+/-0.106 χ^2/NDF: 8870208.1/41

eigen_dit_asym_atl1_mean vs Slug



Right In: 1757.394+/-947.775 χ^2/NDF: 13.5/16

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1497.433+/-979.850 χ^2/NDF: 20.0/18

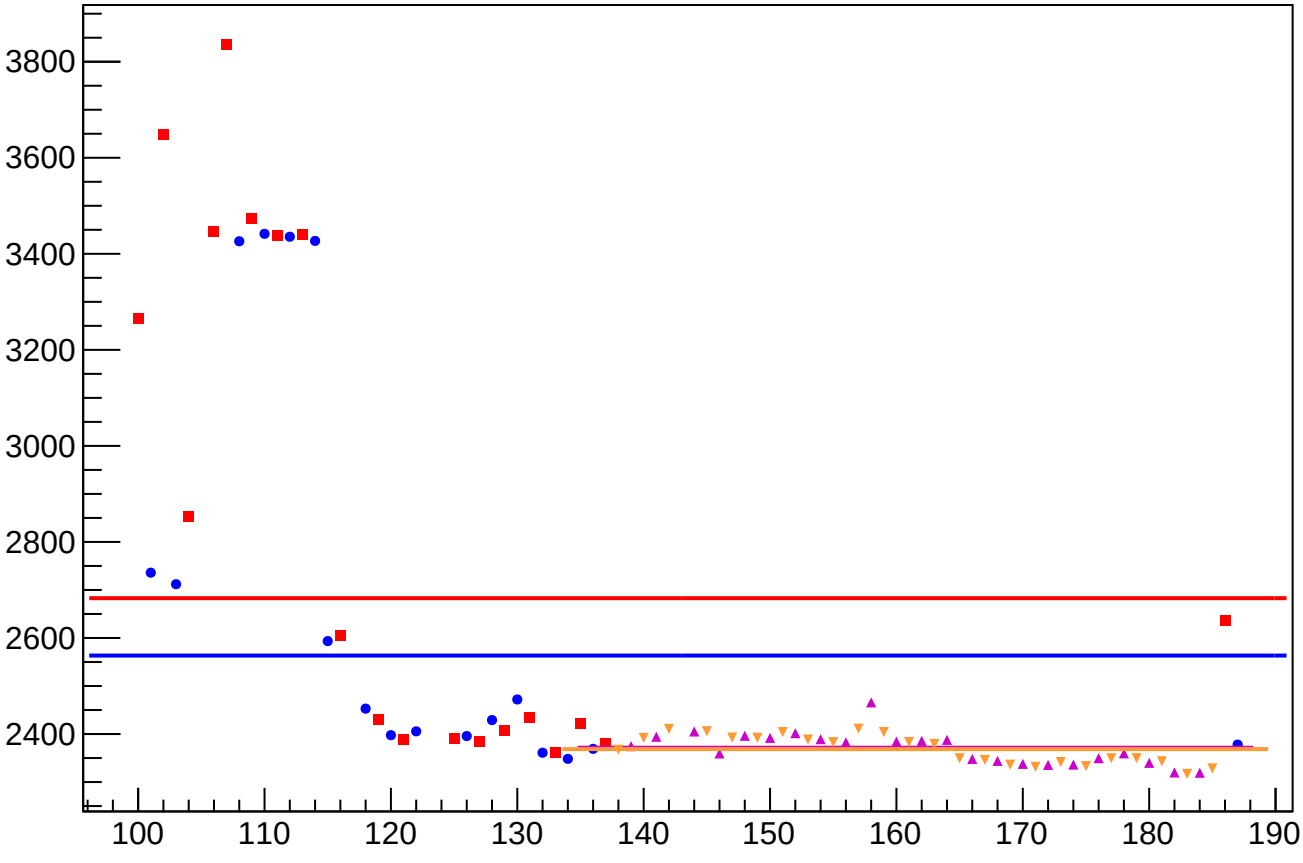
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1284.661+/-475.596 χ^2/NDF: 35.0/40

All: -179.050+/-338.571 χ^2/NDF: 98.0/82

- sign -1683.029+/-482.094 χ^2/NDF: 43.8/41

eigen_dit_asym_atl1_rms vs Slug



Right In: 2563.394+/-0.670 χ^2/NDF: 231855.4/16

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2682.887+/-0.693 χ^2/NDF: 419531.3/18

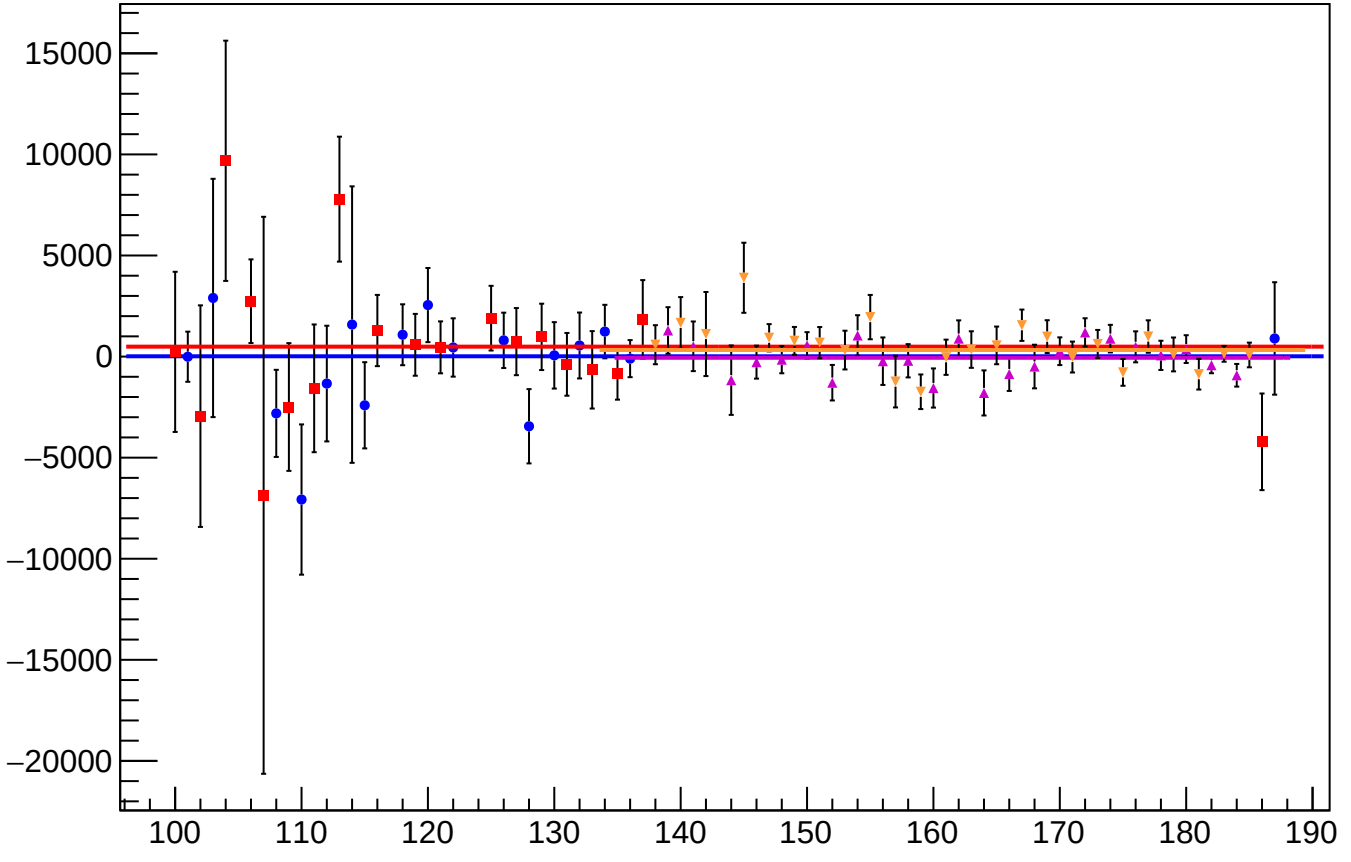
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2417.627+/-0.336 χ^2/NDF: 300656.5/40

All: 2432.061+/-0.239 χ^2/NDF: 884045.7/82

- sign 2446.892+/-0.341 χ^2/NDF: 579654.4/41

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 14.202+/-407.792 χ^2/NDF: 14.6/16

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 491.156+/-452.194 χ^2/NDF: 18.4/18

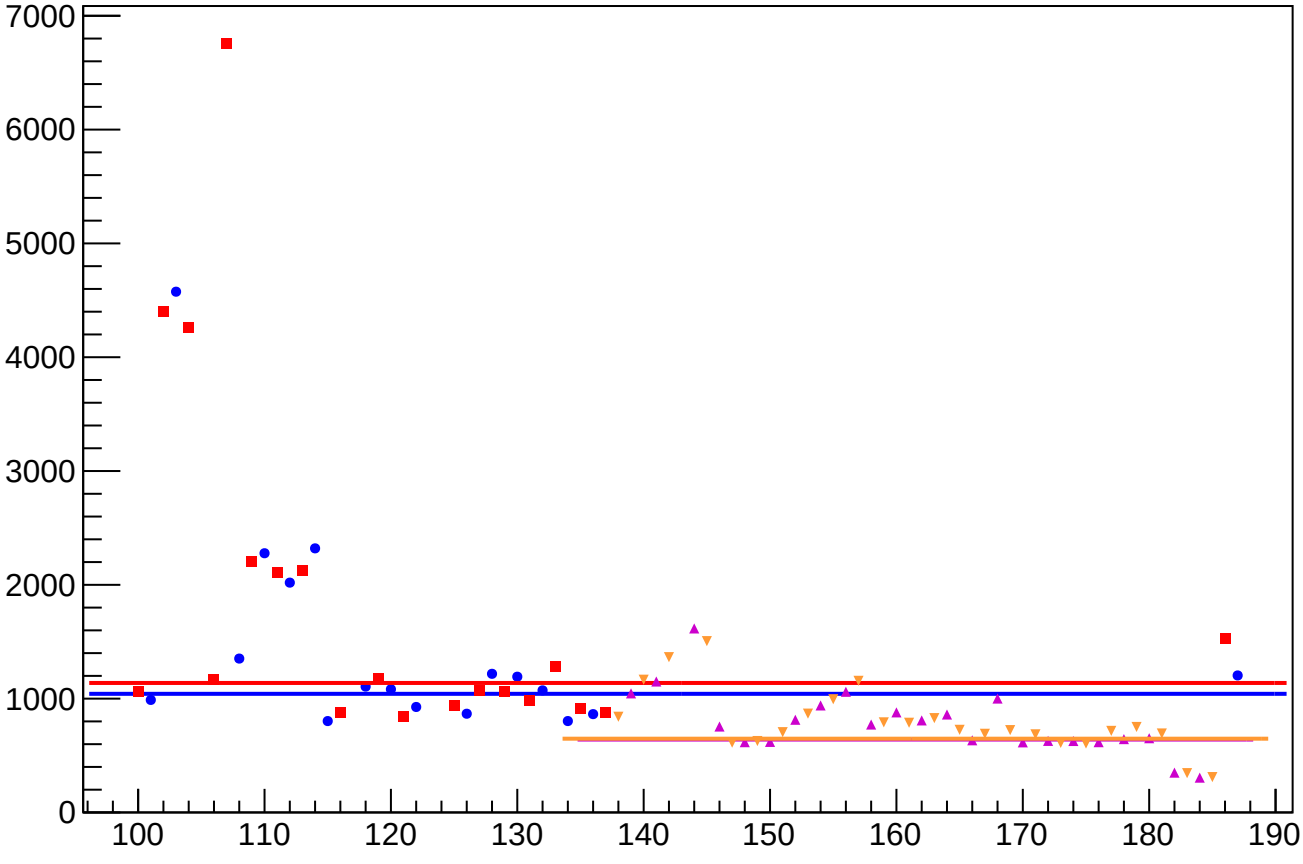
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 284.346+/-148.979 χ^2/NDF: 41.9/40

All: 144.385+/-105.898 χ^2/NDF: 86.1/82

- sign 1.439+/-150.559 χ^2/NDF: 42.4/41

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 1042.351+/-0.288 χ^2/NDF: 1546613.8/16

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 1137.828+/-0.320 χ^2/NDF: 2589781.6/18

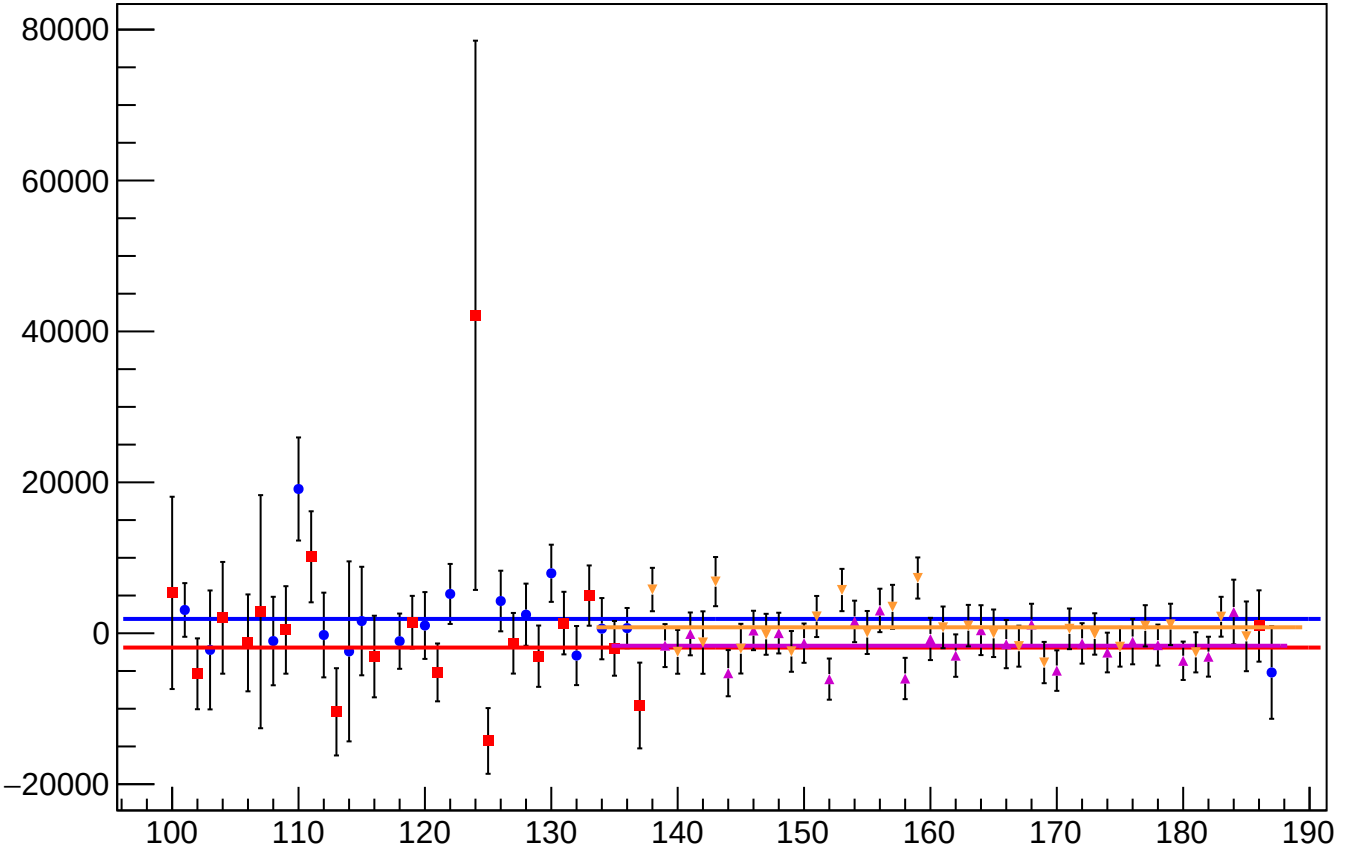
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 700.721+/-0.105 χ^2/NDF: 7053490.9/40

All: 698.170+/-0.075 χ^2/NDF: 15924889.2/82

- sign 695.564+/-0.106 χ^2/NDF: 8870212.8/41

asym_atl1_mean vs Slug



Right In: 1900.322+/-1068.151 χ^2/NDF: 14.7/16

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1894.363+/-1105.276 χ^2/NDF: 24.7/19

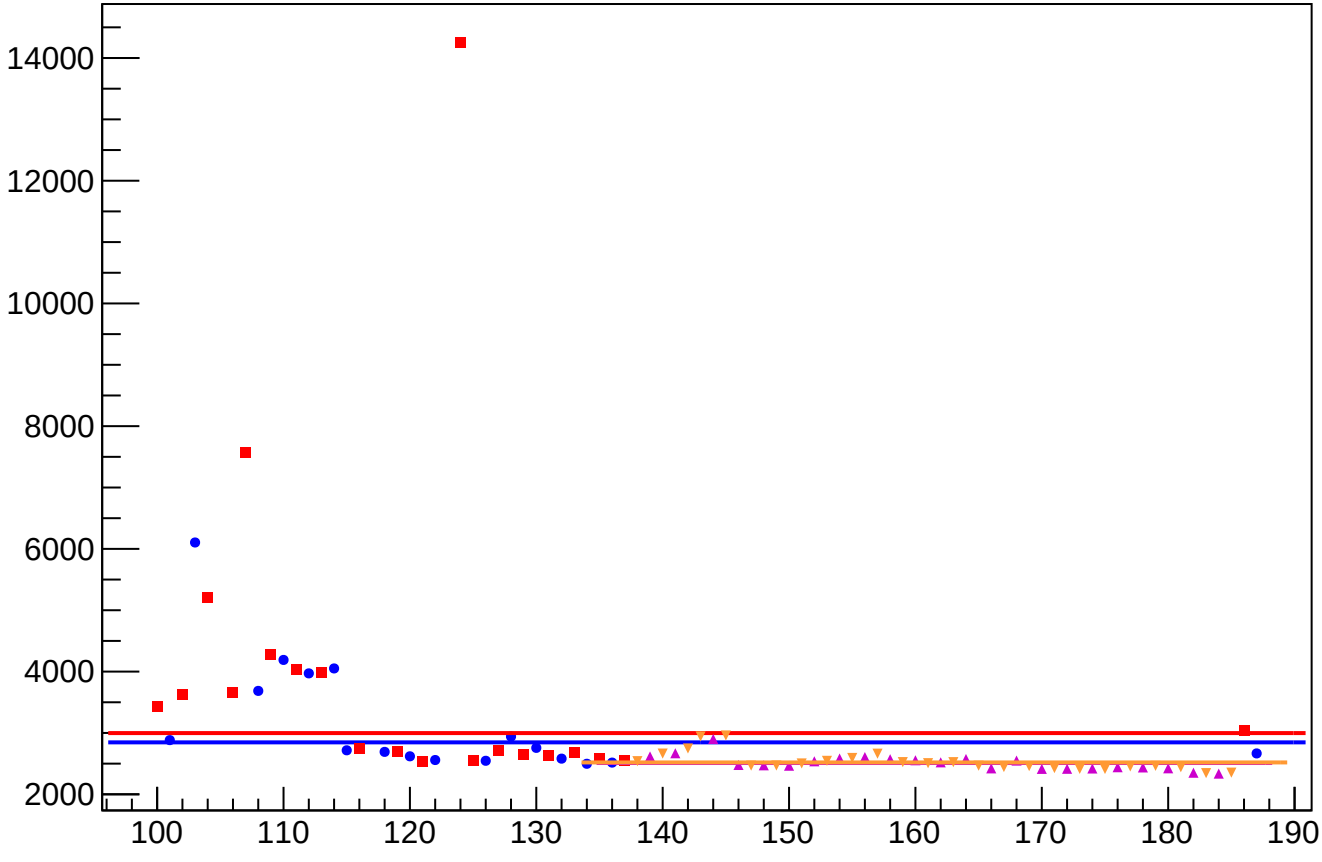
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1039.412+/-505.117 χ^2/NDF: 42.7/41

All: -298.685+/-361.730 χ^2/NDF: 99.2/84

- sign -1707.336+/-518.263 χ^2/NDF: 42.1/42

asym_atl1_rms vs Slug



Right In: 2846.576+/-0.755 χ^2/NDF: 650494.1/16

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2997.893+/-0.782 χ^2/NDF: 979327.2/19

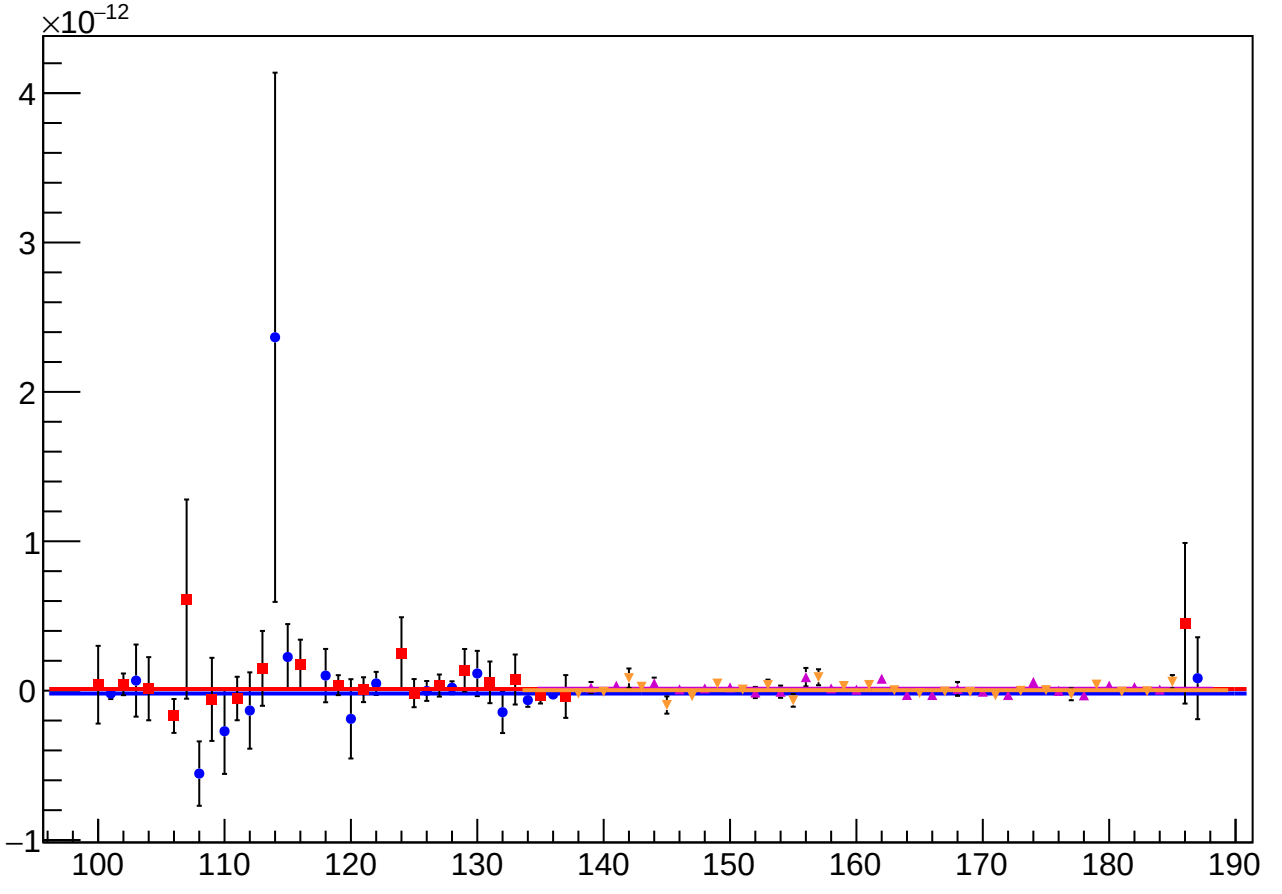
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2592.654+/-0.357 χ^2/NDF: 911275.9/41

All: 2604.706+/-0.256 χ^2/NDF: 2270540.1/84

- sign 2617.393+/-0.366 χ^2/NDF: 1356927.3/42

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/19

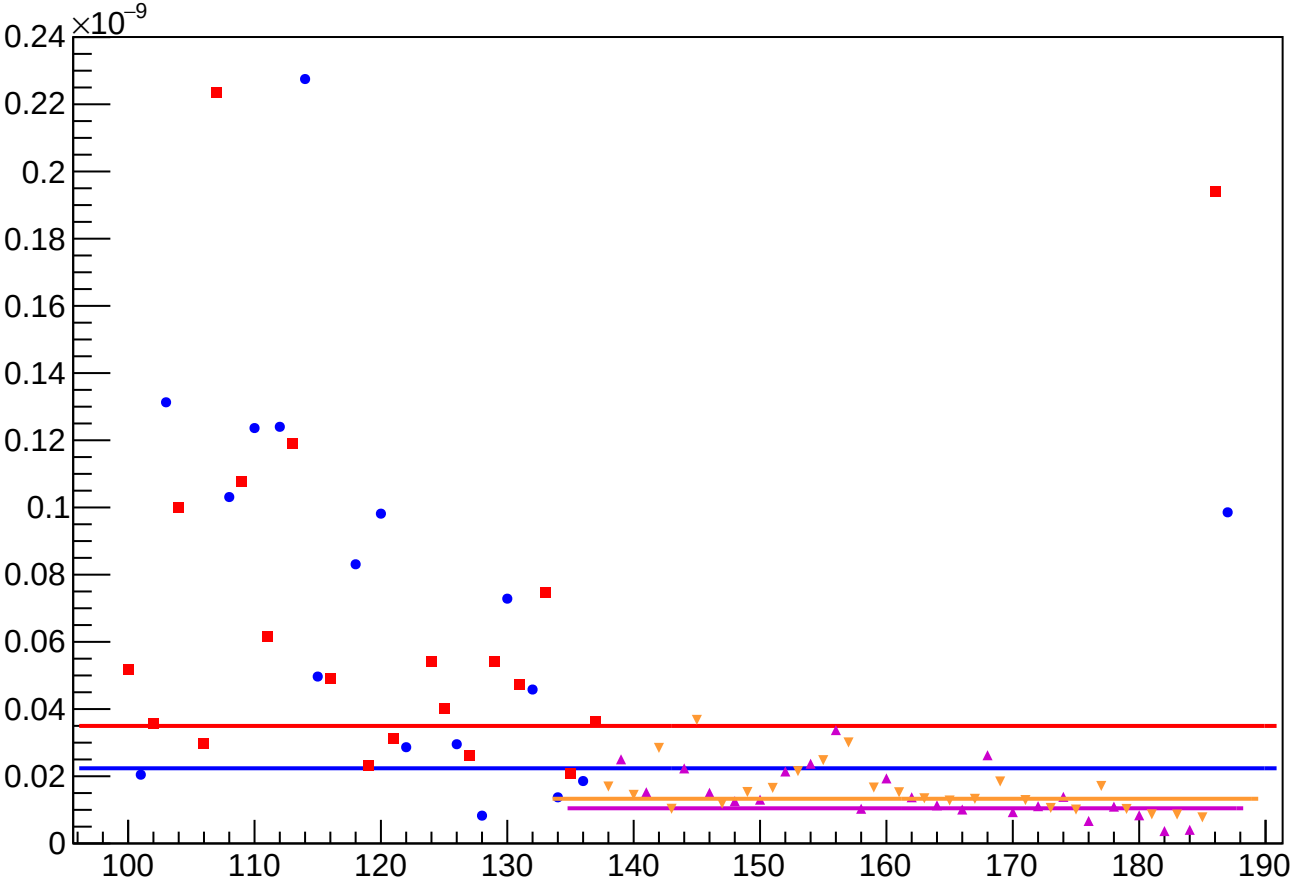
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/41

All: 0.000+/-0.000 χ^2/NDF: 90.0/84

- sign 0.000+/-0.000 χ^2/NDF: 41.3/42

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2499075.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1418698.8/19

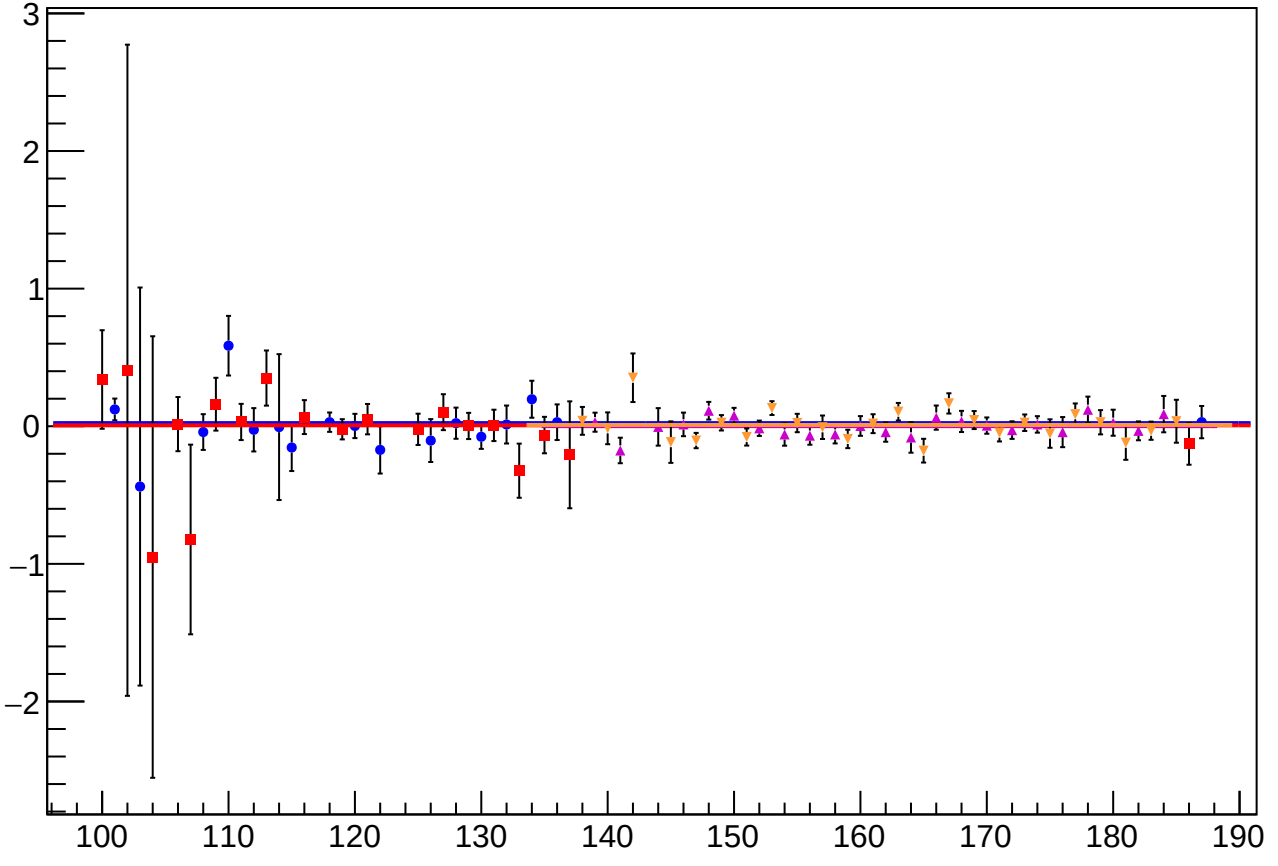
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4485128.9/41

All: 0.000+/-0.000 χ^2/NDF: 10969125.1/84

- sign 0.000+/-0.000 χ^2/NDF: 6175207.5/42

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.033 χ^2/NDF: 11.7/18

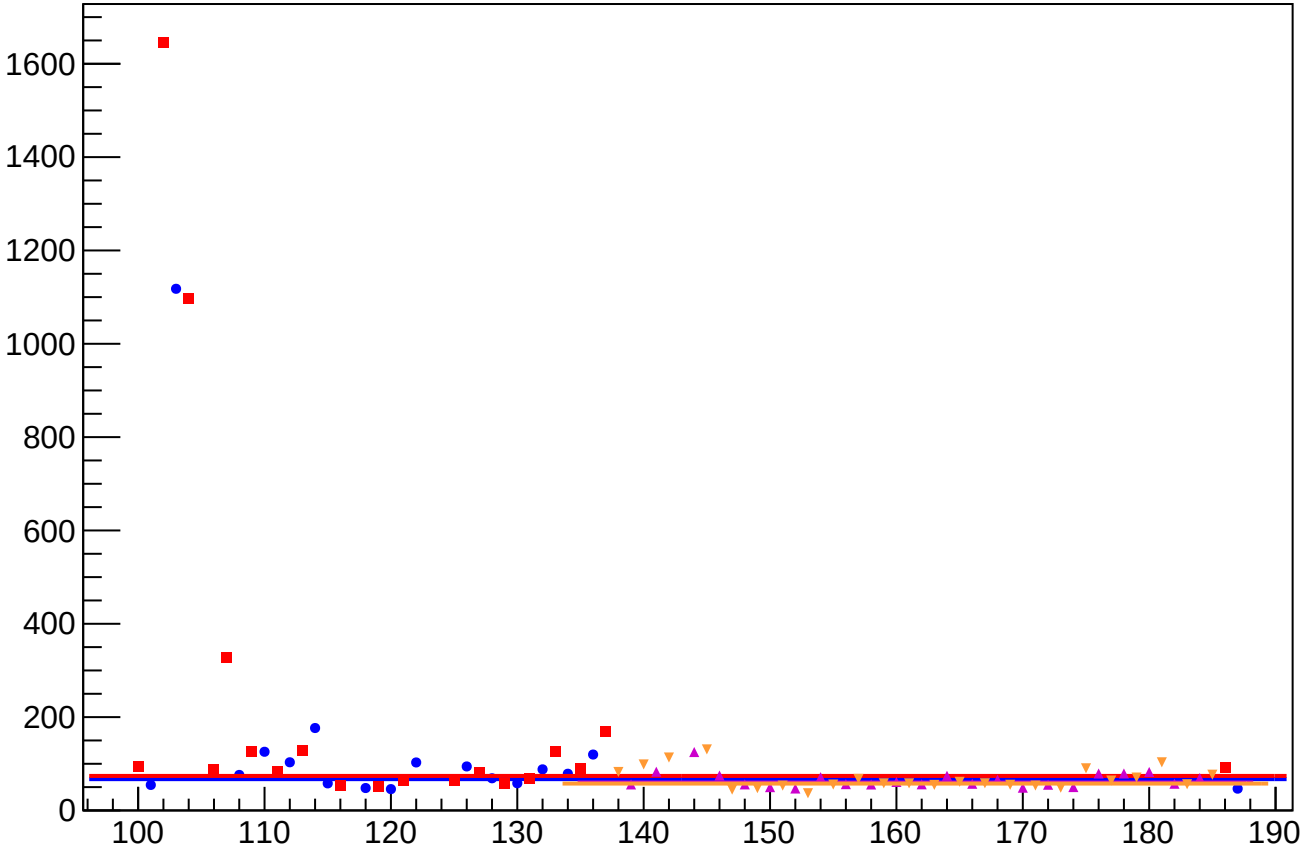
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.013 χ^2/NDF: 49.7/40

All: 0.007+/-0.010 χ^2/NDF: 77.2/82

- sign 0.002+/-0.014 χ^2/NDF: 27.3/41

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.083+/-0.021 χ^2/NDF: 2342403.1/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.999+/-0.023 χ^2/NDF: 2946016.4/18

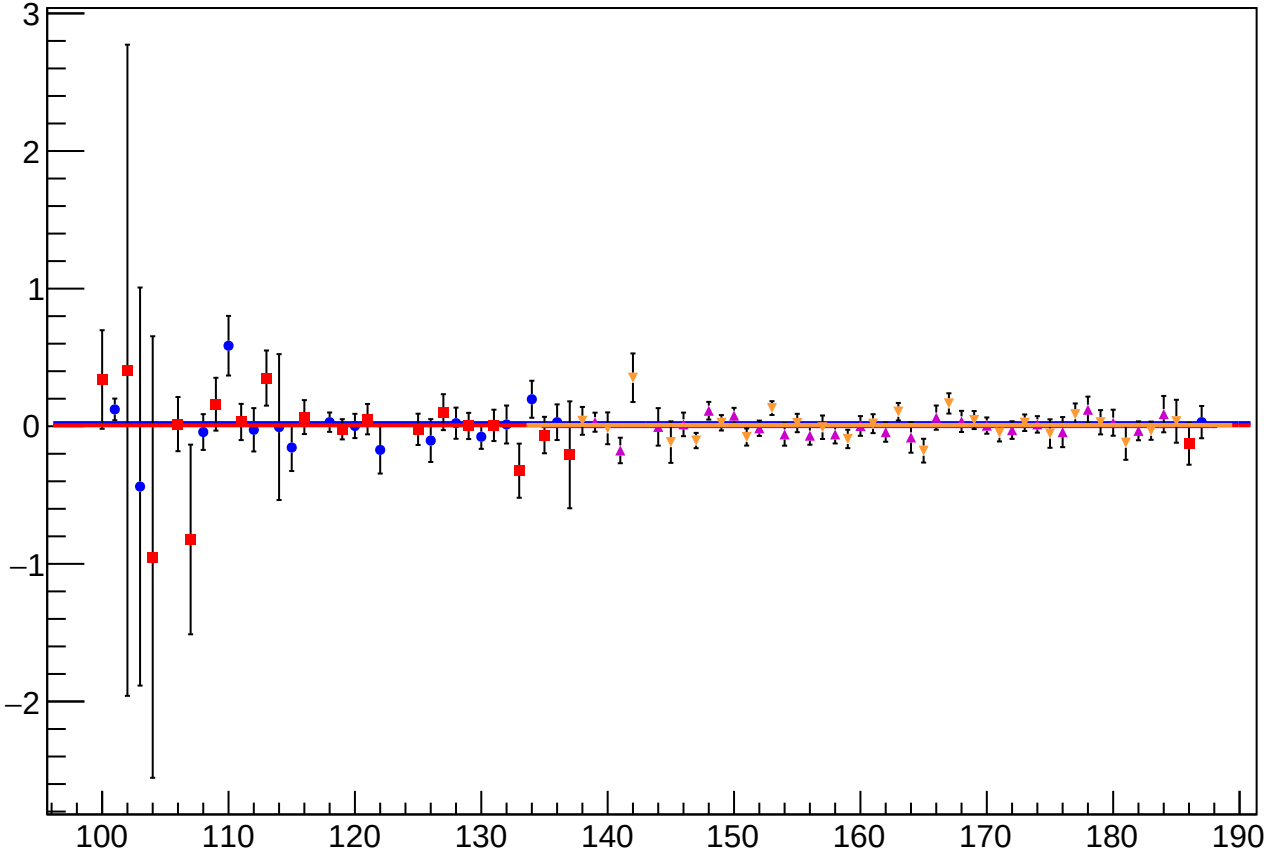
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.607+/-0.009 χ^2/NDF: 4721720.9/40

All: 60.957+/-0.007 χ^2/NDF: 9357682.8/82

- sign 62.427+/-0.010 χ^2/NDF: 4593660.5/41

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.033 χ^2/NDF: 11.7/18

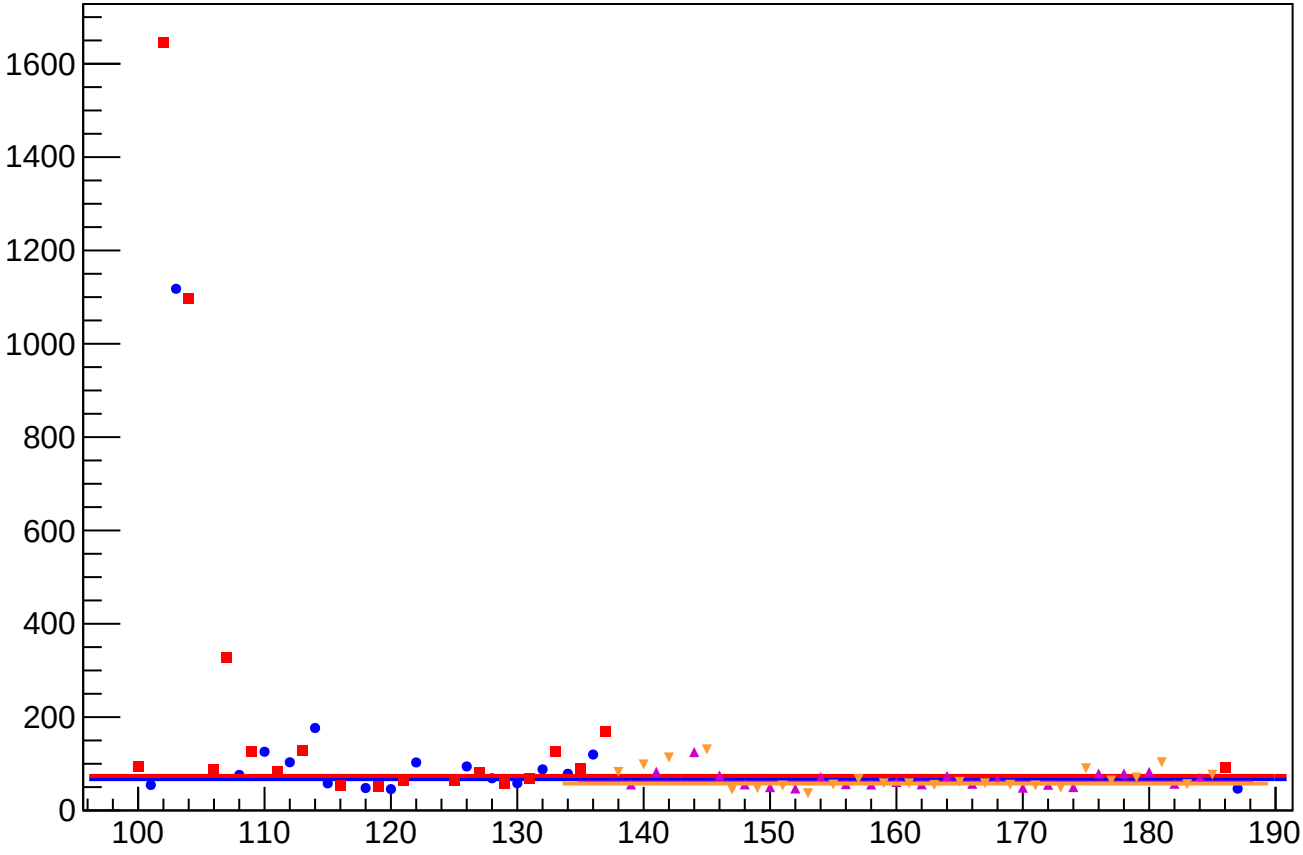
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.013 χ^2/NDF: 49.7/40

All: 0.007+/-0.010 χ^2/NDF: 77.2/82

- sign 0.002+/-0.014 χ^2/NDF: 27.3/41

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.083+/-0.021 χ^2/NDF: 2342403.1/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.999+/-0.023 χ^2/NDF: 2946016.4/18

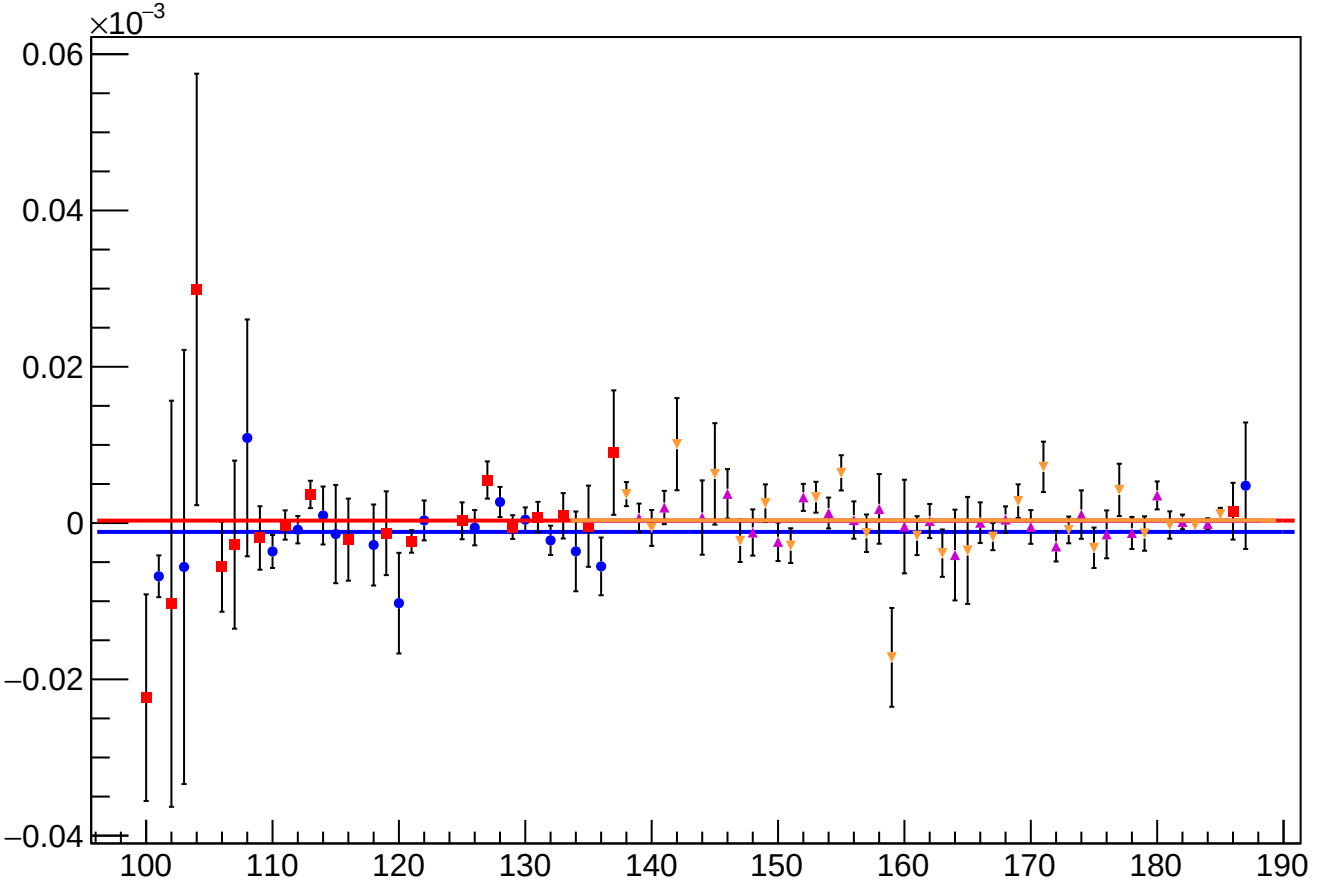
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.607+/-0.009 χ^2/NDF: 4721720.9/40

All: 60.957+/-0.007 χ^2/NDF: 9357682.8/82

- sign 62.427+/-0.010 χ^2/NDF: 4593660.5/41

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

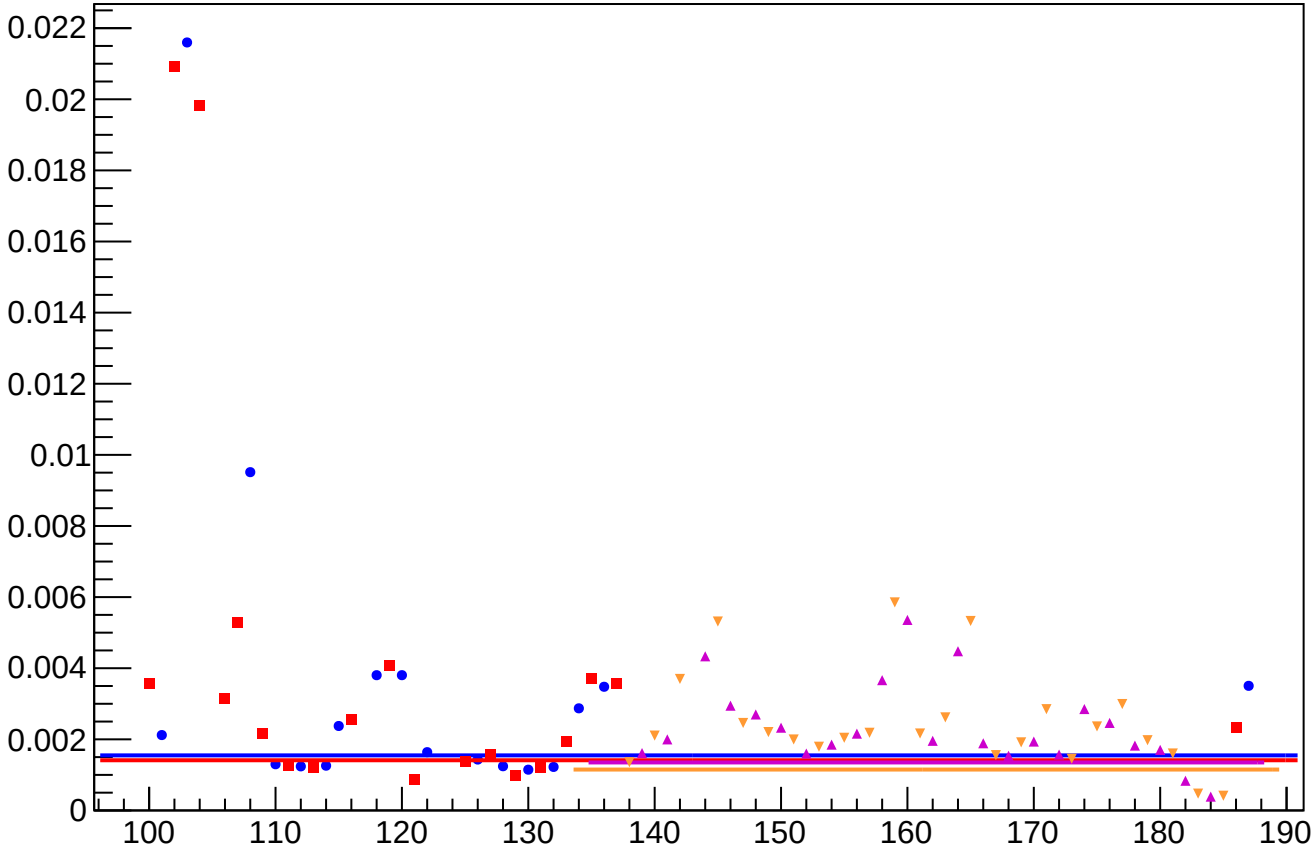
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.5/40

All: 0.000+/-0.000 χ^2/NDF: 102.4/82

- sign 0.000+/-0.000 χ^2/NDF: 34.6/41

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3491529.0/16

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4400636.9/18

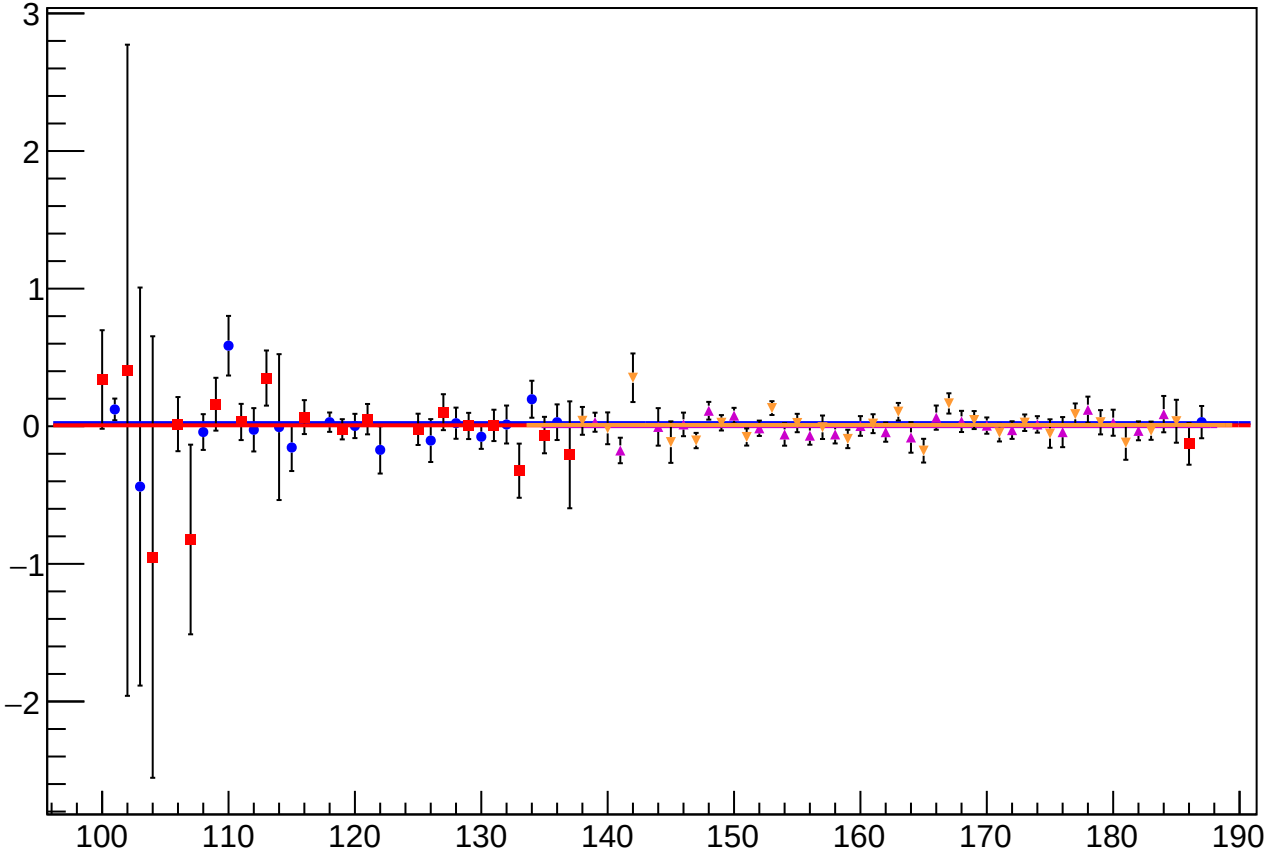
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17306854.9/40

All: 0.001+/-0.000 χ^2/NDF: 32146406.5/82

- sign 0.001+/-0.000 χ^2/NDF: 14661893.6/41

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.033 χ^2/NDF: 11.7/18

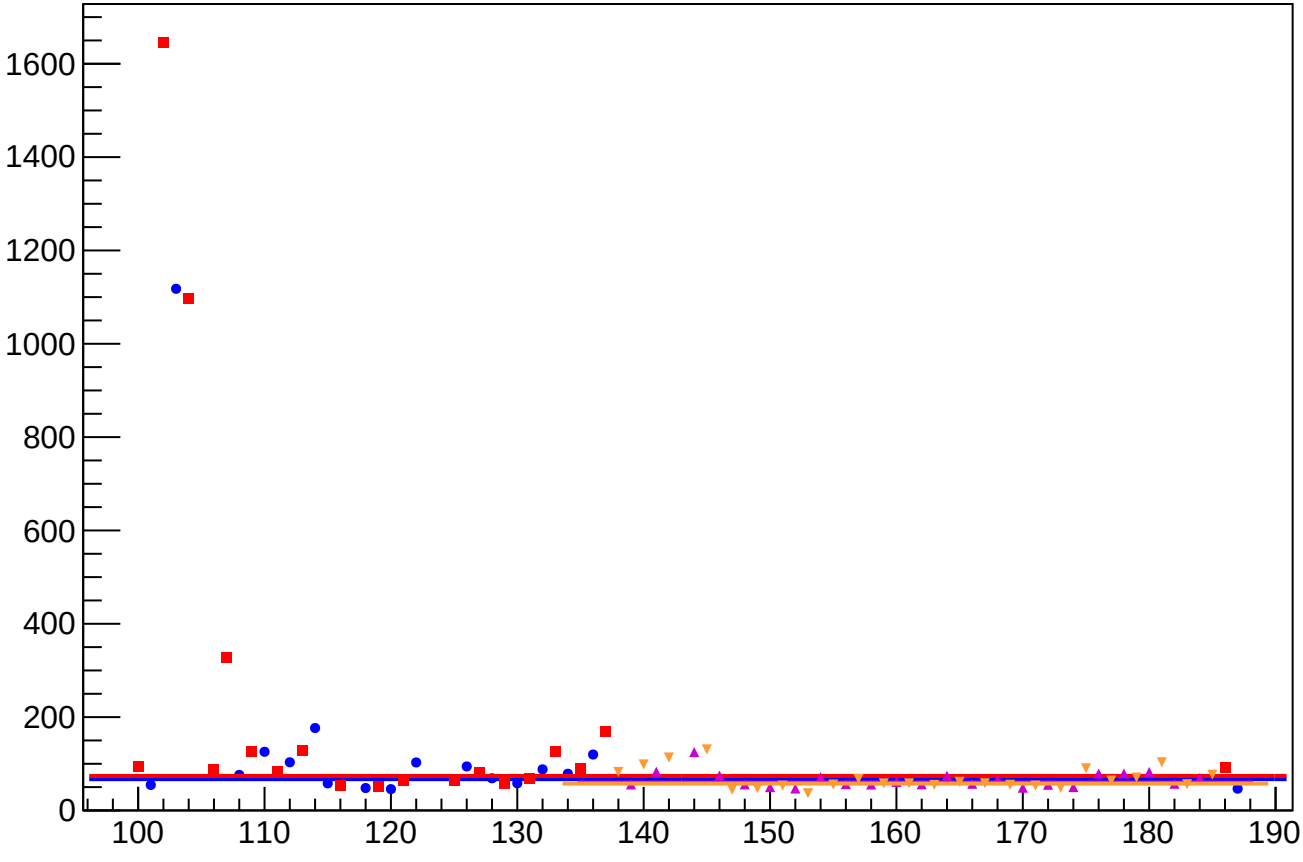
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.012+/-0.013 χ^2/NDF: 49.7/40

All: 0.007+/-0.010 χ^2/NDF: 77.2/82

\- sign 0.002+/-0.014 χ^2/NDF: 27.3/41

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.082+/-0.021 χ^2/NDF: 2342487.0/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.998+/-0.023 χ^2/NDF: 2946027.5/18

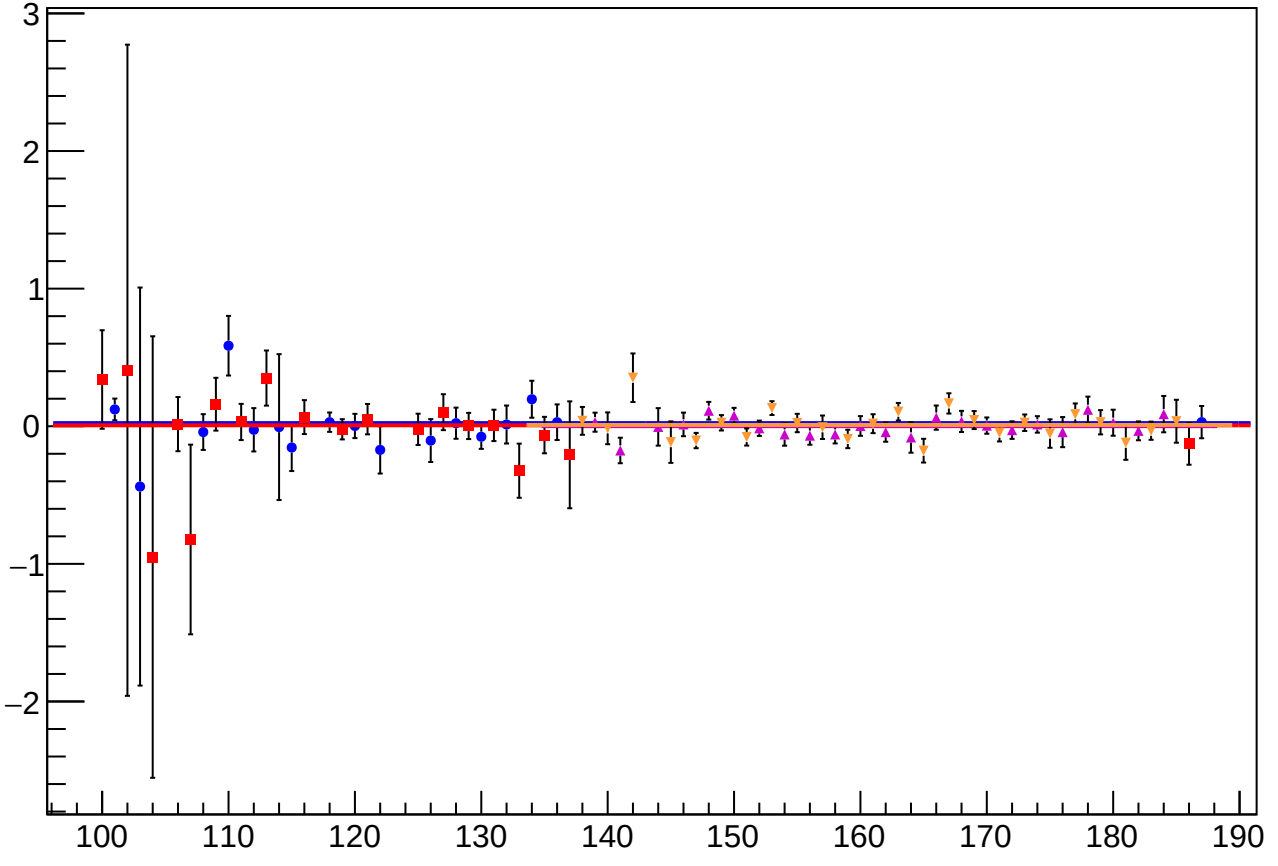
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.607+/-0.009 χ^2/NDF: 4721846.8/40

All: 60.957+/-0.007 χ^2/NDF: 9357780.7/82

- sign 62.427+/-0.010 χ^2/NDF: 4593625.6/41

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.033 χ^2/NDF: 11.7/18

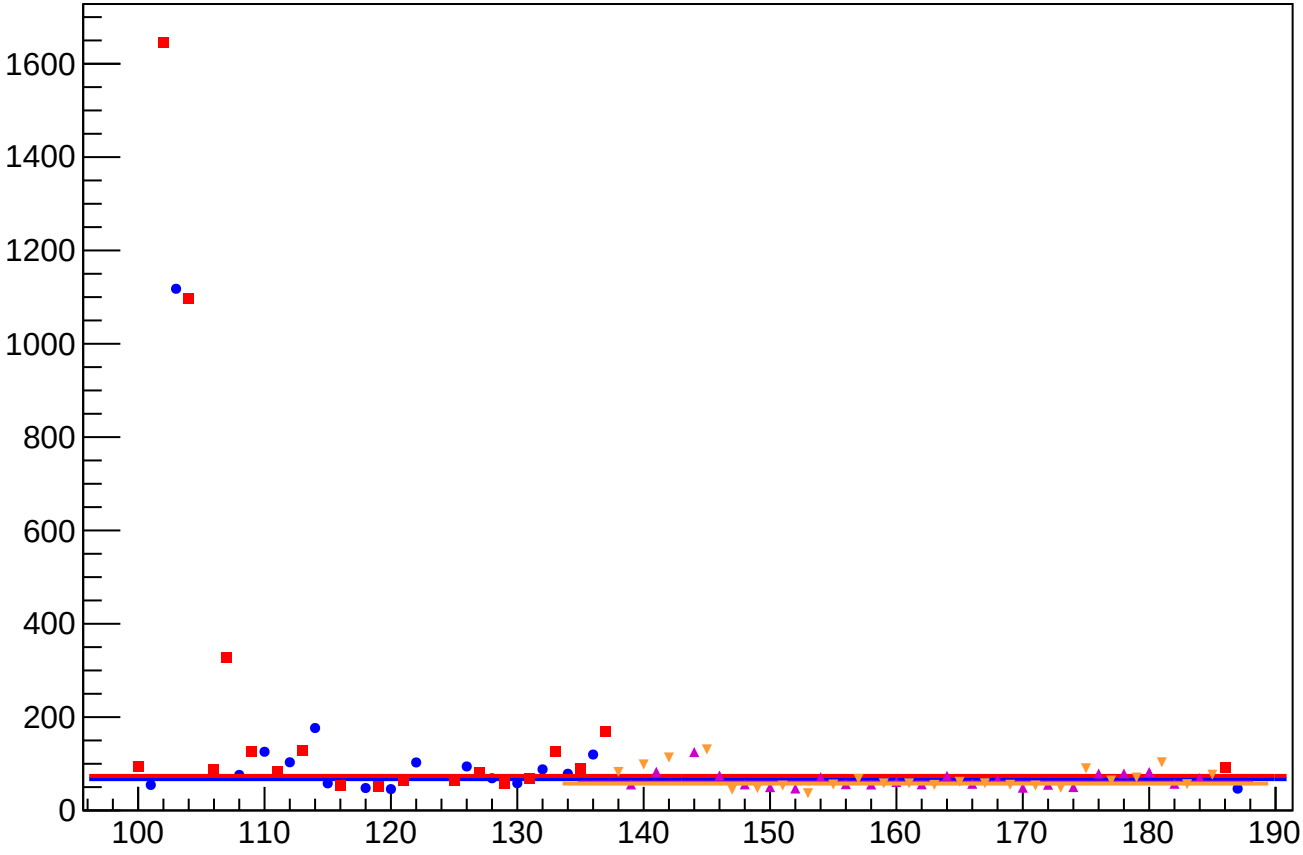
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.012+/-0.013 χ^2/NDF: 49.7/40

All: 0.007+/-0.010 χ^2/NDF: 77.2/82

- sign 0.002+/-0.014 χ^2/NDF: 27.3/41

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.082+/-0.021 χ^2/NDF: 2342487.0/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.998+/-0.023 χ^2/NDF: 2946027.5/18

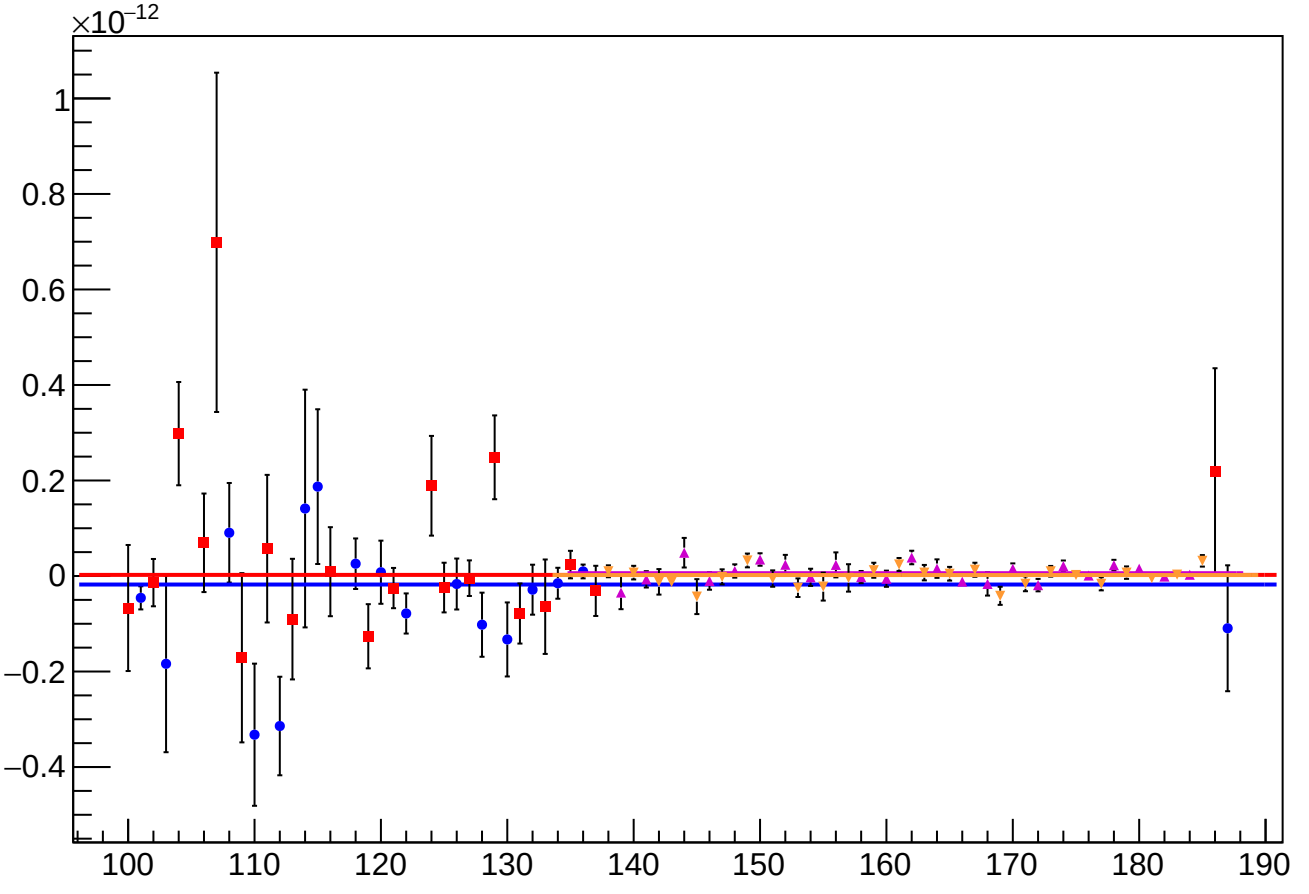
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.607+/-0.009 χ^2/NDF: 4721846.8/40

All: 60.957+/-0.007 χ^2/NDF: 9357780.7/82

- sign 62.427+/-0.010 χ^2/NDF: 4593625.6/41

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

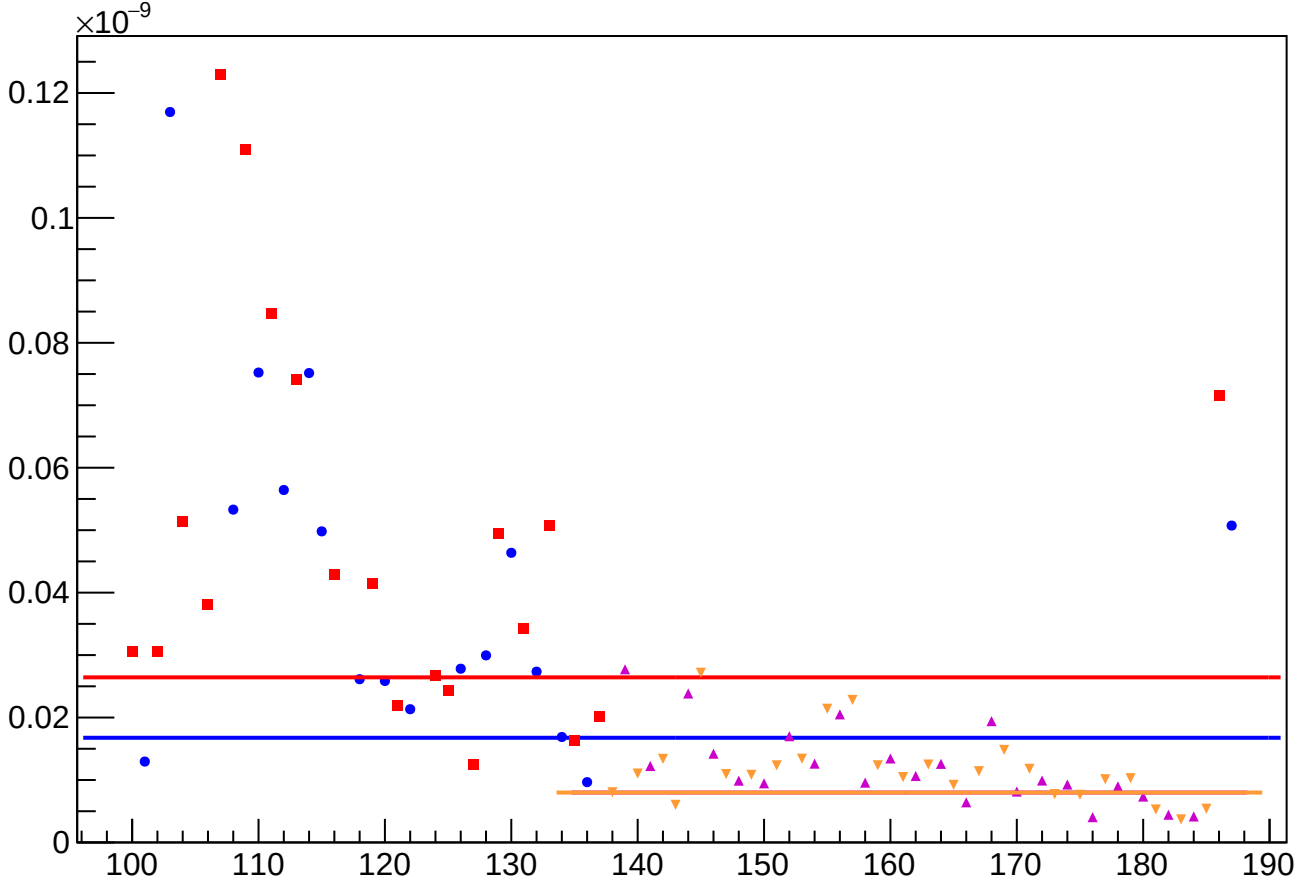
Right Out: 0.000+/-0.000 χ^2/NDF: 33.3/19

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/41

All: 0.000+/-0.000 χ^2/NDF: 132.3/84

- sign 0.000+/-0.000 χ^2/NDF: 65.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 2957020.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

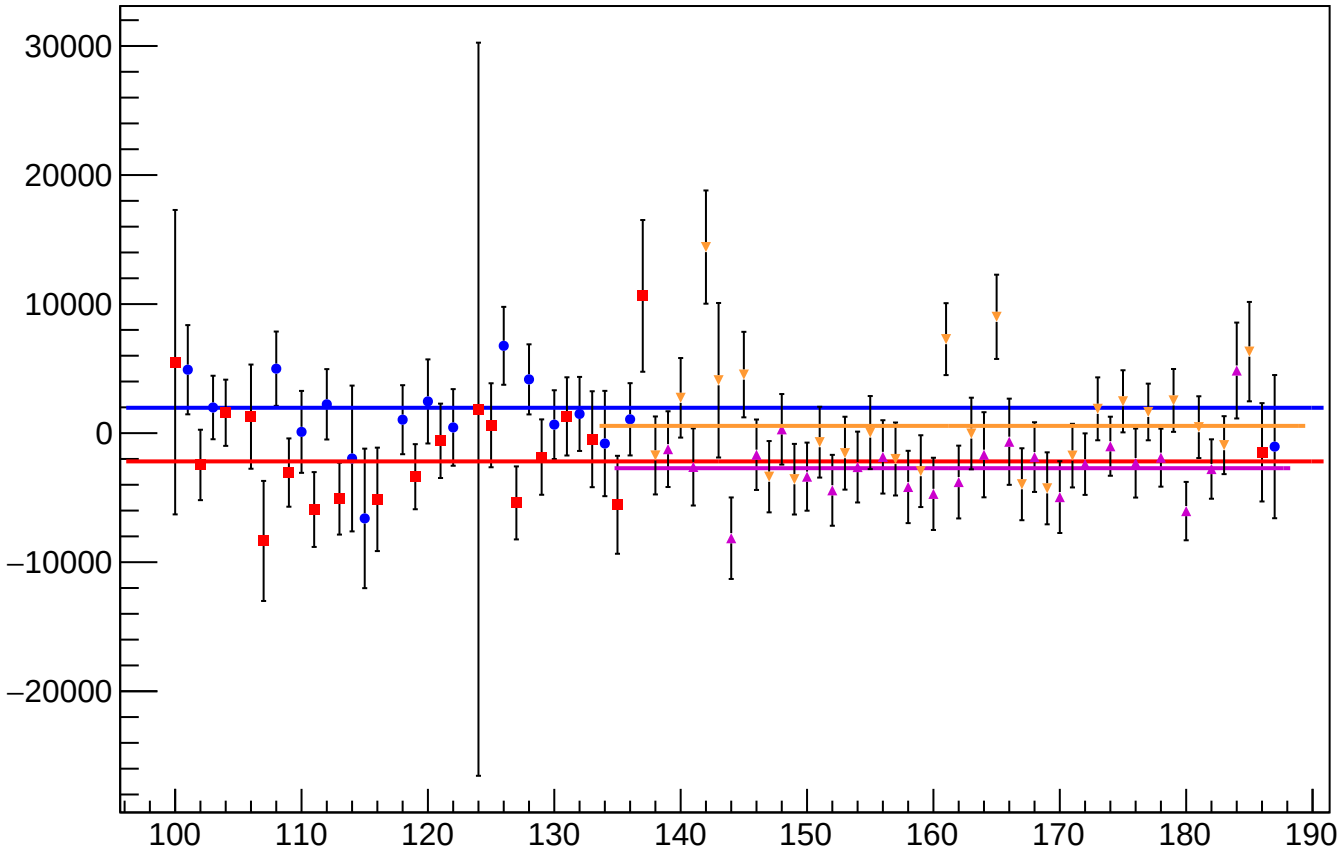
Right Out: 0.000+/-0.000 χ^2/NDF: 2434753.7/19

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9306098.6/41

All: 0.000+/-0.000 χ^2/NDF: 20187836.9/84

- sign 0.000+/-0.000 χ^2/NDF: 10881044.1/42



Right In: 1965.551+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2189.493+/-741.676 χ^2/NDF: 18.2/19

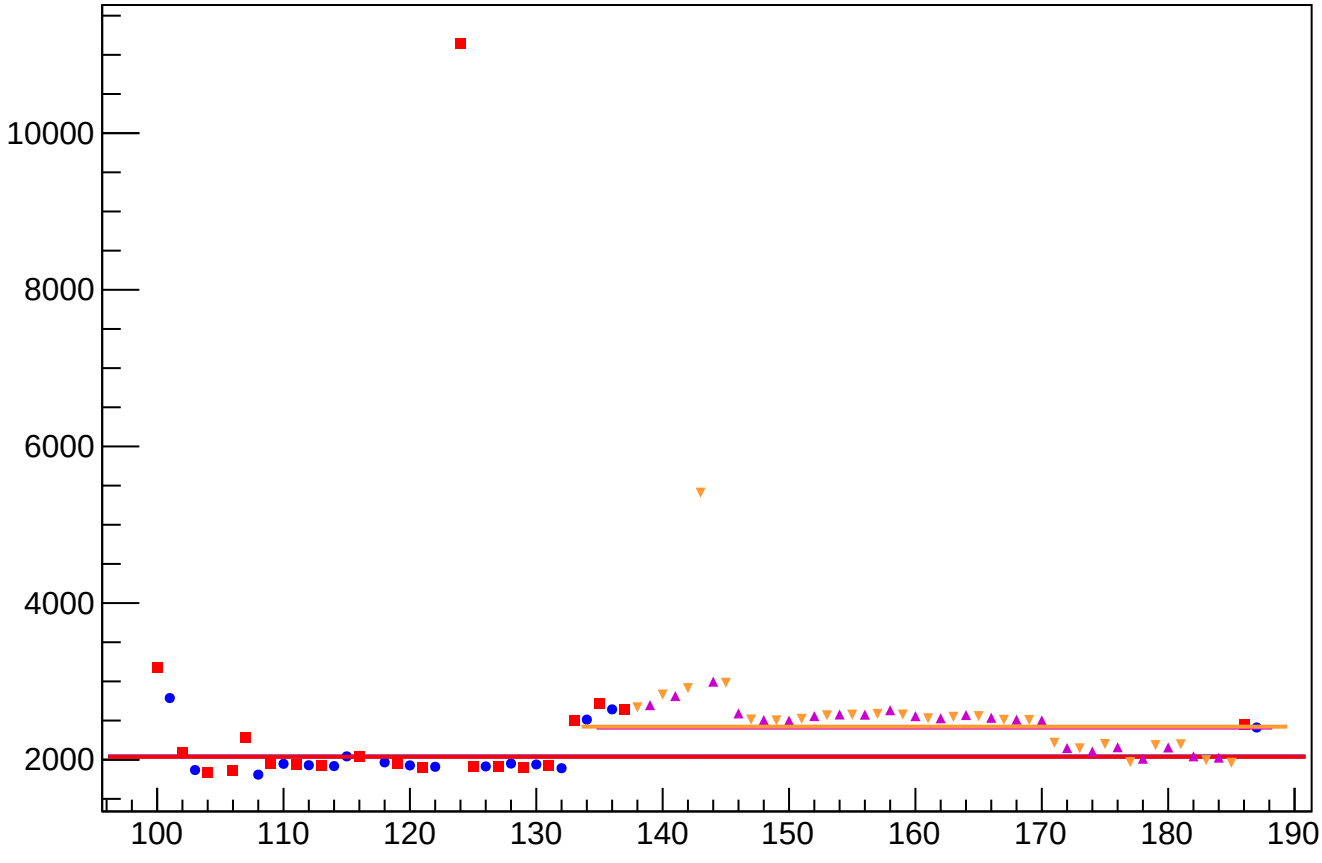
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1055.425+/-448.847 χ^2/NDF: 56.1/41

All: -728.639+/-317.807 χ^2/NDF: 120.5/84

- sign -2522.264+/-450.048 χ^2/NDF: 32.8/42

reg_asym_atl2_rms vs Slug



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.4/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2037.822+/-0.524 χ^2/NDF: 414780.4/19

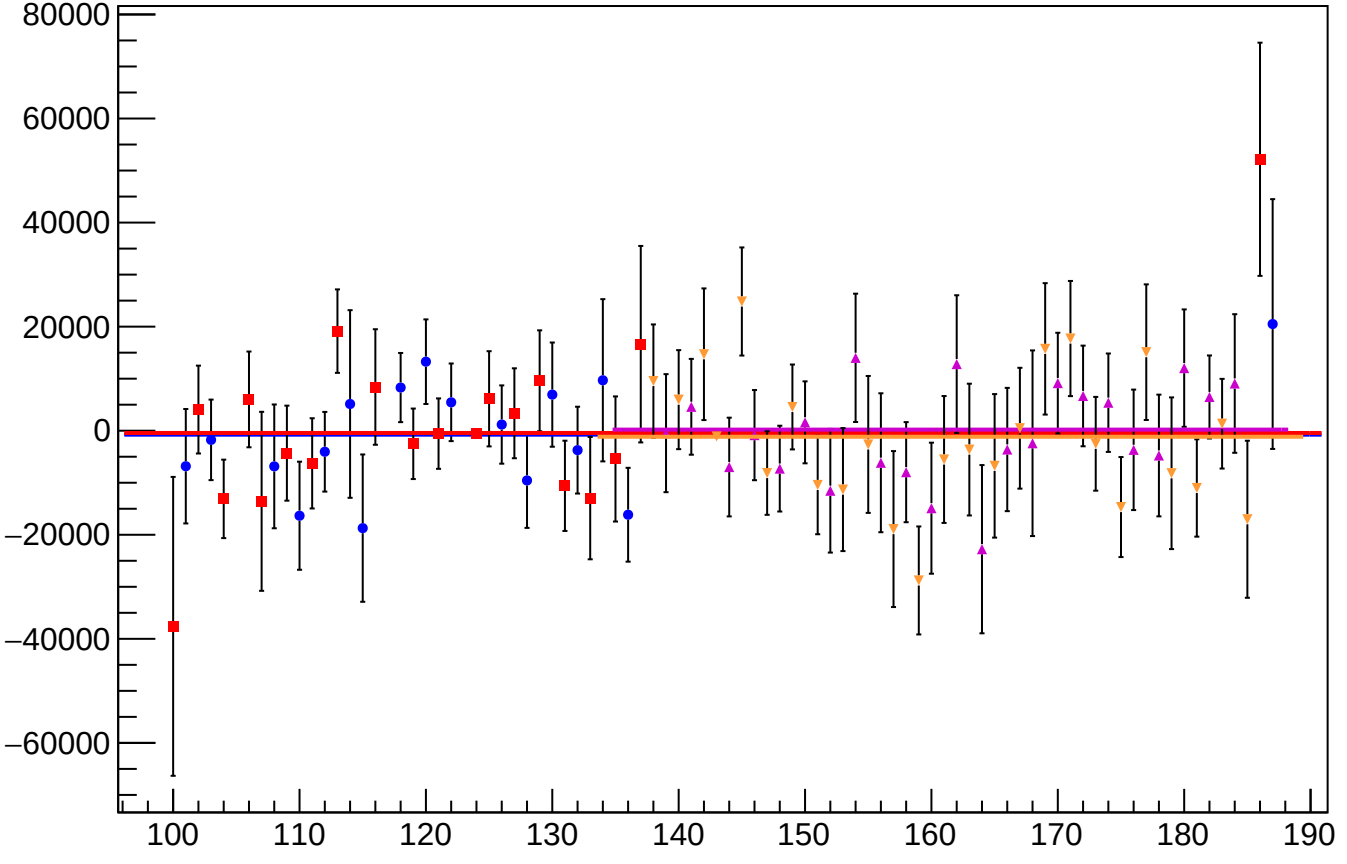
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2288.289+/-0.317 χ^2/NDF: 1553266.1/41

All: 2280.589+/-0.225 χ^2/NDF: 2715467.7/84

- sign 2272.848+/-0.318 χ^2/NDF: 1161021.3/42

asym_atl2_reg_correction_mean vs Slug



Right In: -758.934+/-2268.334 χ^2/NDF: 16.1/16

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -435.518+/-767.835 χ^2/NDF: 24.0/19

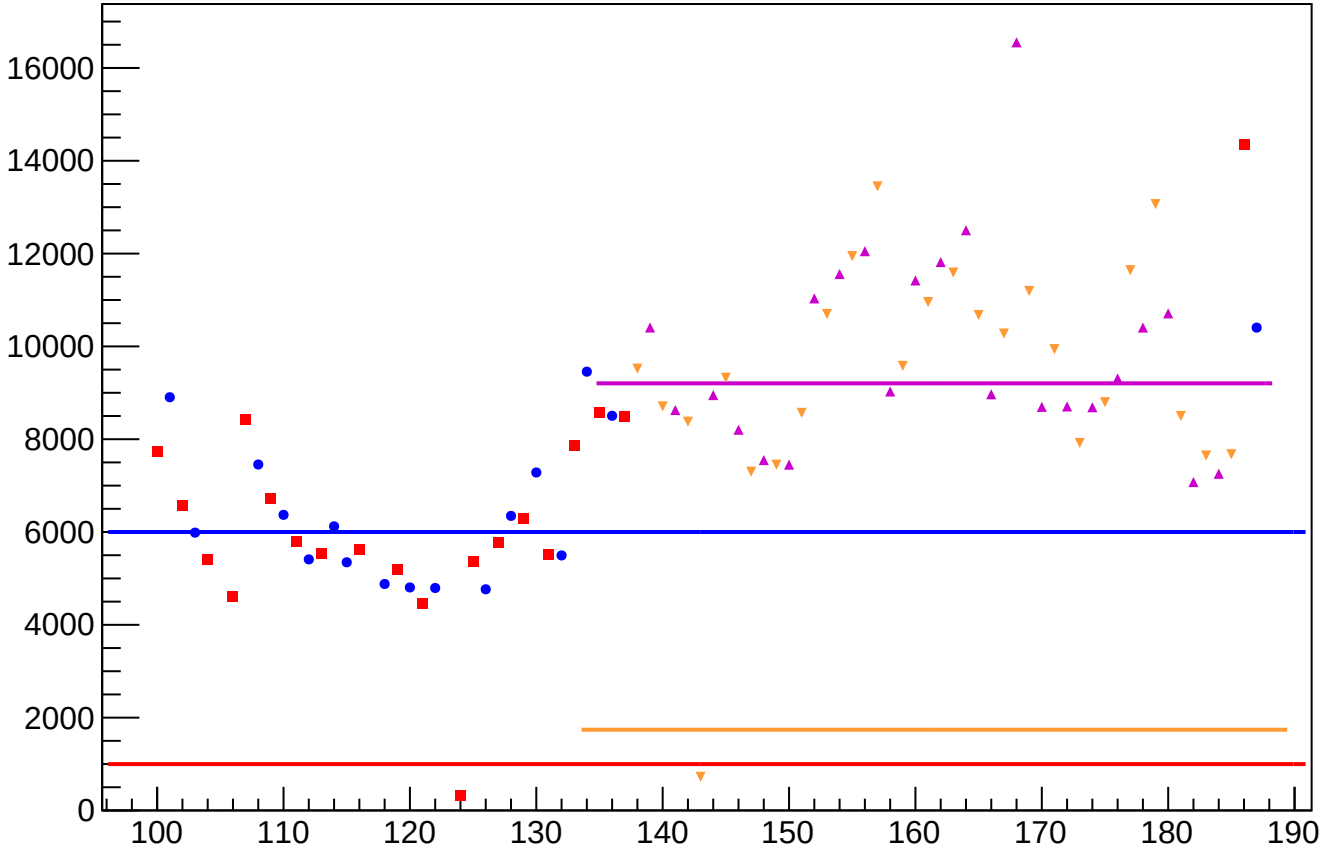
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1118.125+/-718.749 χ^2/NDF: 48.1/41

All: -744.795+/-510.349 χ^2/NDF: 86.1/84

- sign -365.181+/-724.773 χ^2/NDF: 37.5/42

asym_atl2_reg_correction_rms vs Slug



Right In: 6000.493+/-1.604 χ^2/NDF: 757220.1/16

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

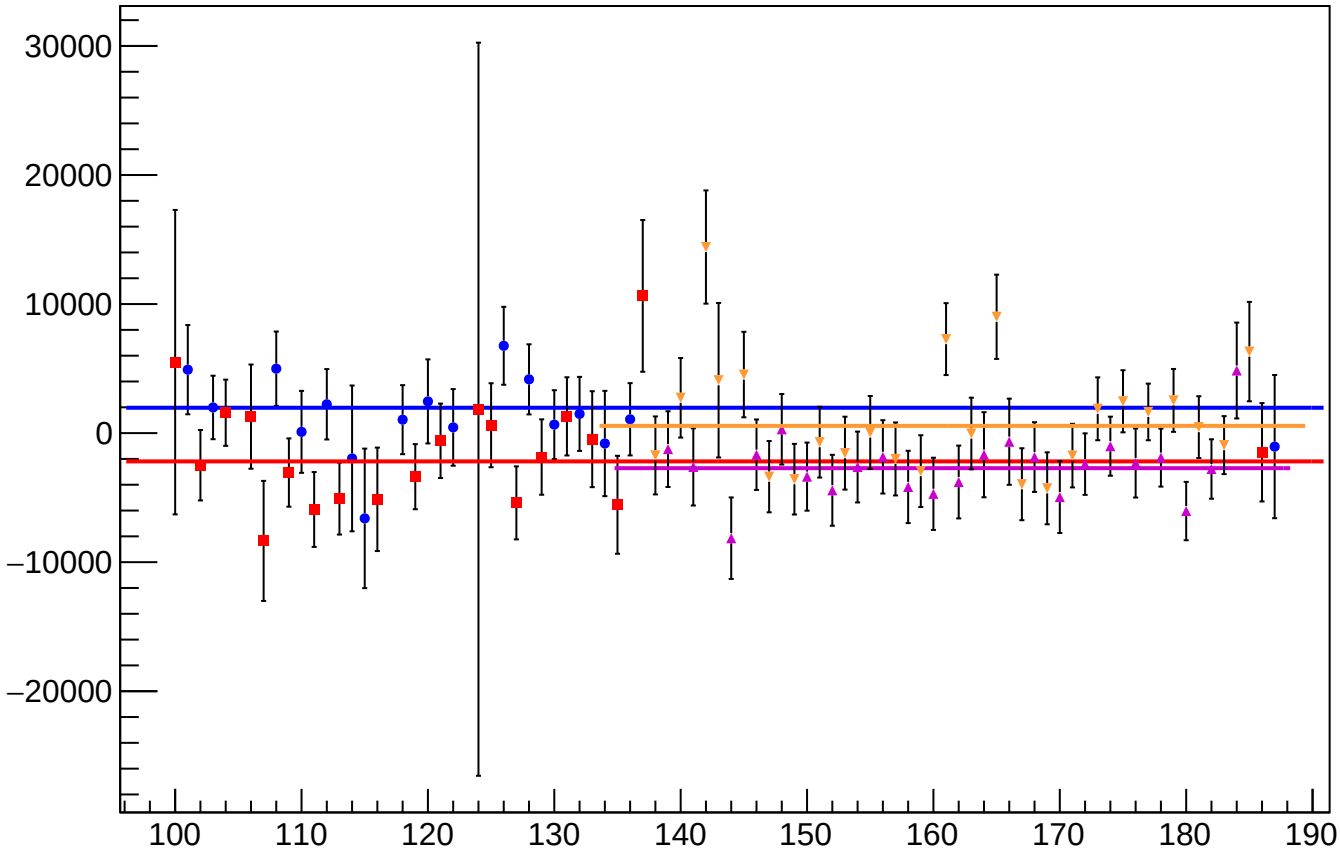
Right Out: 999.003+/-0.543 χ^2/NDF: 12126913.5/19

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2167.483+/-0.508 χ^2/NDF: 34839416.2/41

All: 2031.633+/-0.361 χ^2/NDF: 73278889.5/8

- sign 1893.496+/-0.512 χ^2/NDF: 38295373.2/42



Right In: 1965.667+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2191.261+/-741.683 χ^2/NDF: 18.2/19

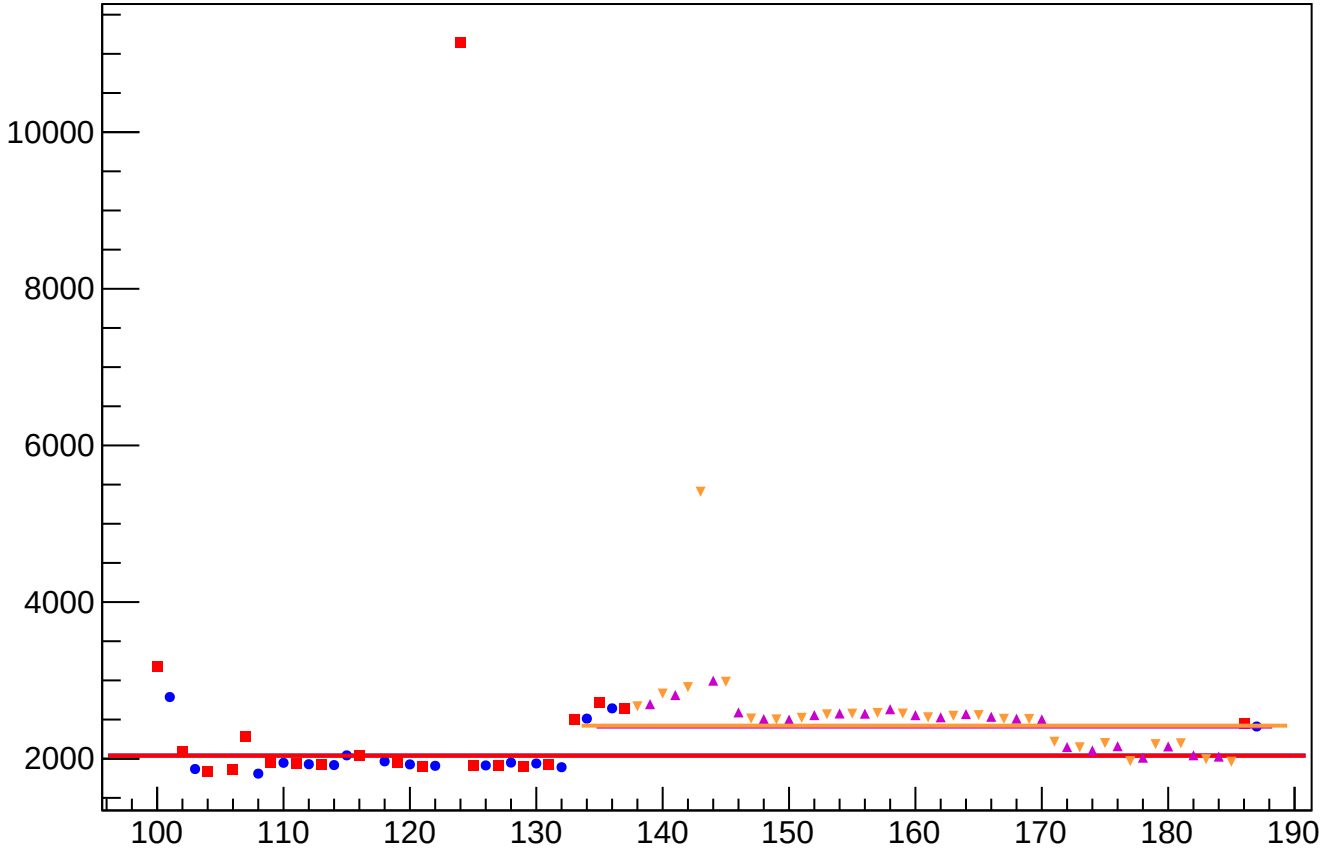
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1055.467+/-448.847 χ^2/NDF: 56.1/41

All: -728.925+/-317.807 χ^2/NDF: 120.6/84

- sign -2522.893+/-450.050 χ^2/NDF: 32.8/42

cor_asym_atl2_rms vs Slug



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.2/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2037.843+/-0.524 χ^2/NDF: 414789.6/19

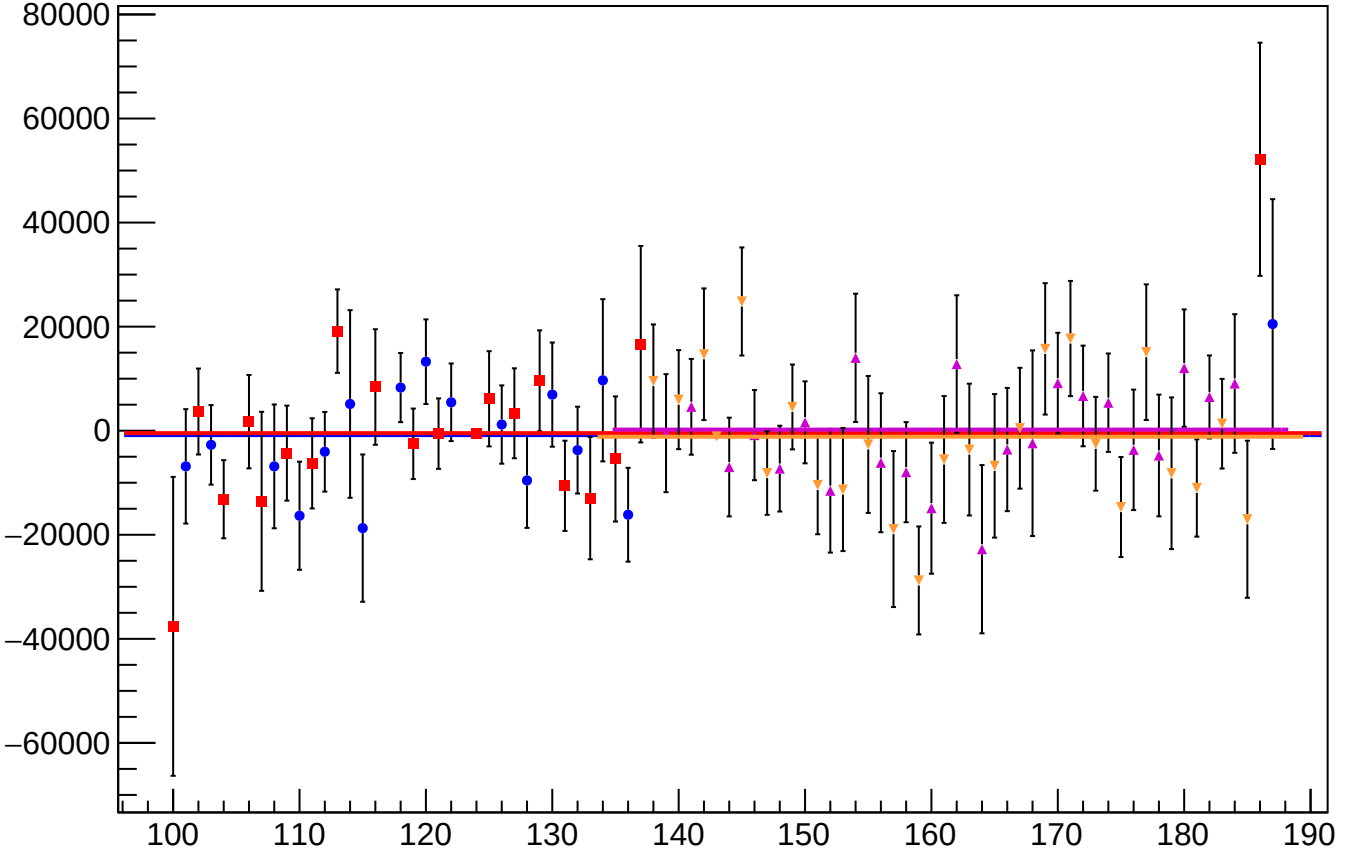
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2288.289+/-0.317 χ^2/NDF: 1553266.2/41

All: 2280.594+/-0.225 χ^2/NDF: 2715435.8/84

- sign 2272.857+/-0.318 χ^2/NDF: 1160990.7/42

asym_atl2_cor_correction_mean vs Slug



Right In: -845.973+/-2266.014 χ^2/NDF: 16.2/16

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -468.850+/-767.497 χ^2/NDF: 23.6/19

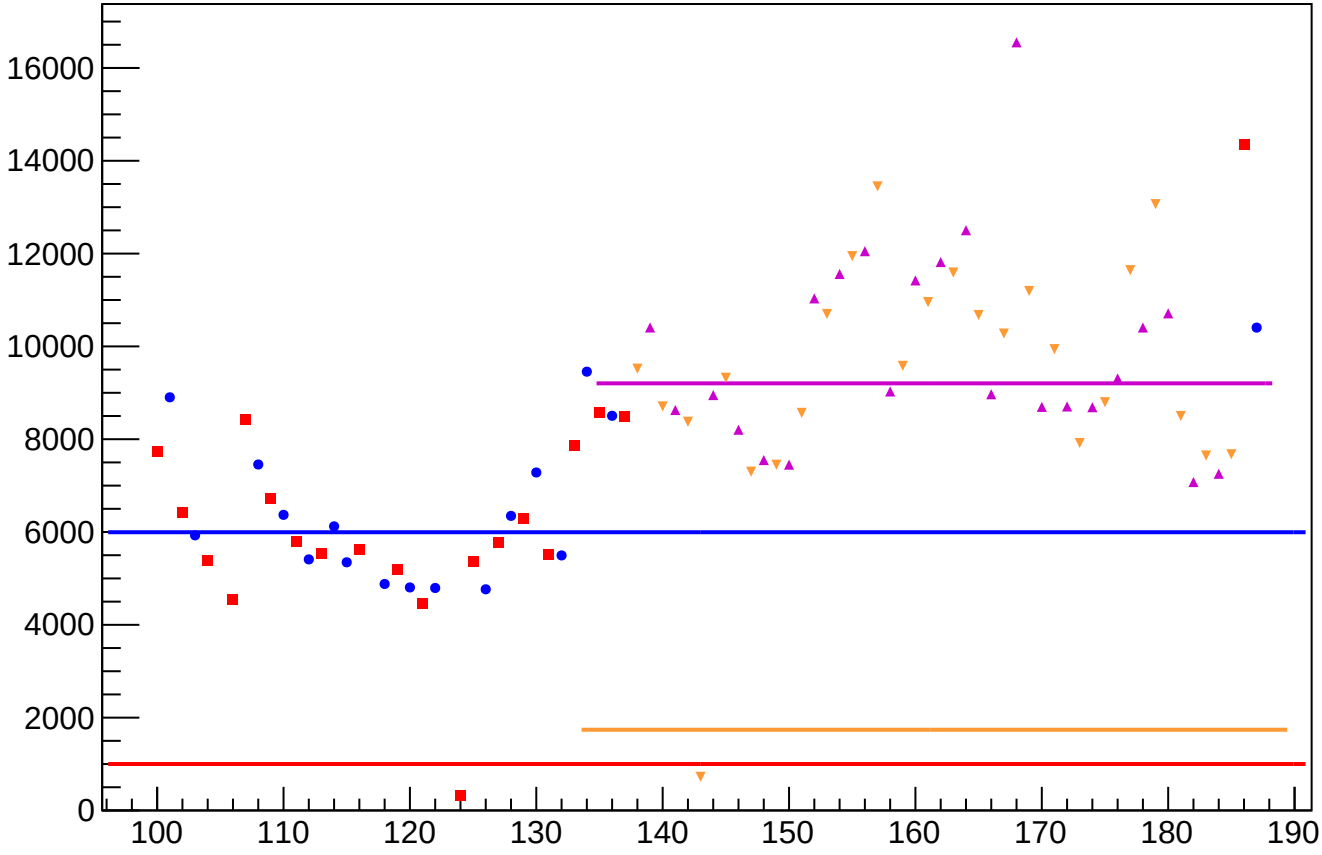
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1126.596+/-718.620 χ^2/NDF: 48.1/41

All: -763.749+/-510.203 χ^2/NDF: 85.7/84

- sign -394.953+/-724.487 χ^2/NDF: 37.0/42

asym_atl2_cor_correction_rms vs Slug



Right In: 5995.295+/-1.602 χ^2/NDF: 757253.5/16

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1000.716+/-0.543 χ^2/NDF: 12122883.9/19

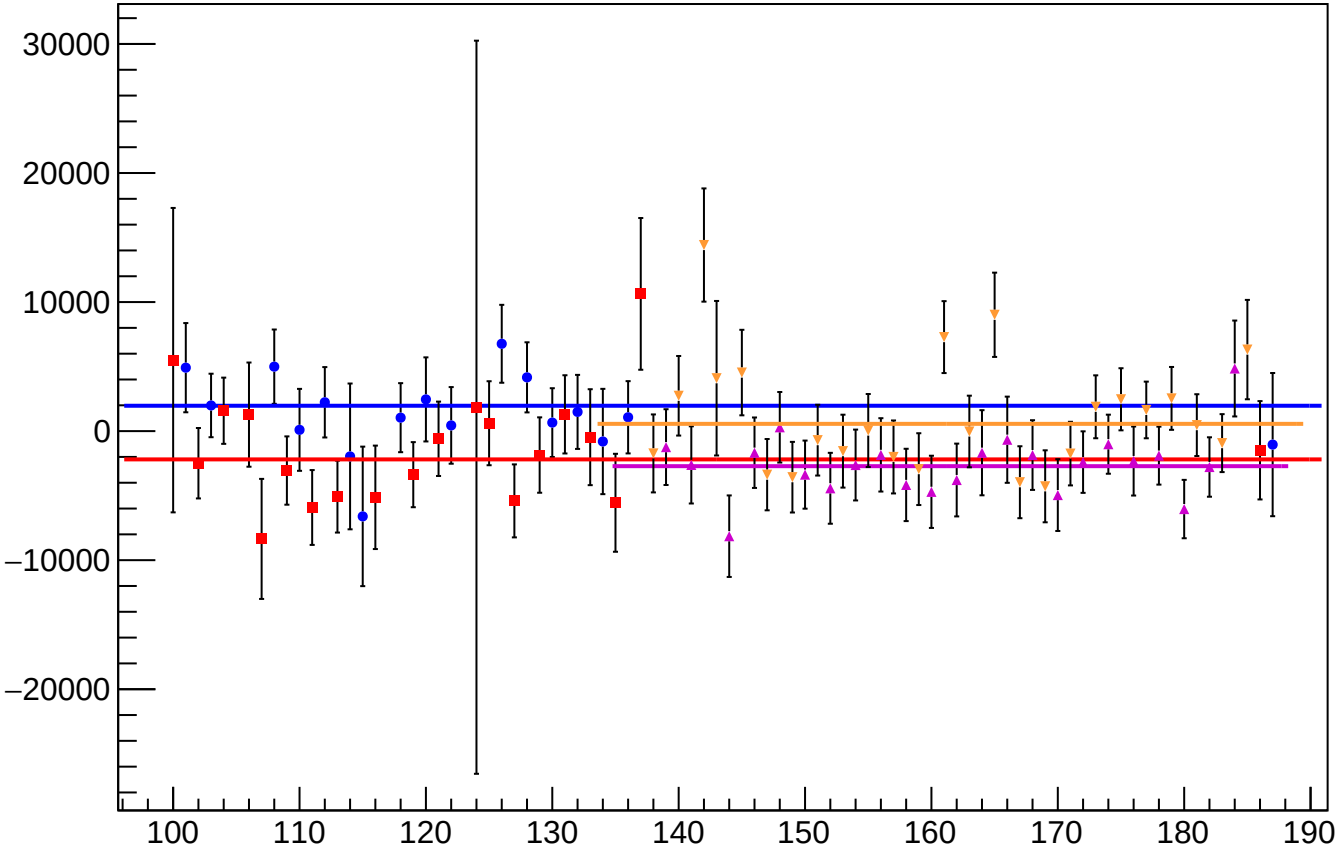
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2167.472+/-0.508 χ^2/NDF: 34837490.5/41

All: 2032.006+/-0.361 χ^2/NDF: 73264129.5/8

- sign 1894.319+/-0.512 χ^2/NDF: 38283332.8/42

eigen_cor_asym_atl2_mean vs Slug



Right In: 1965.667+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2191.261+/-741.683 χ^2/NDF: 18.2/19

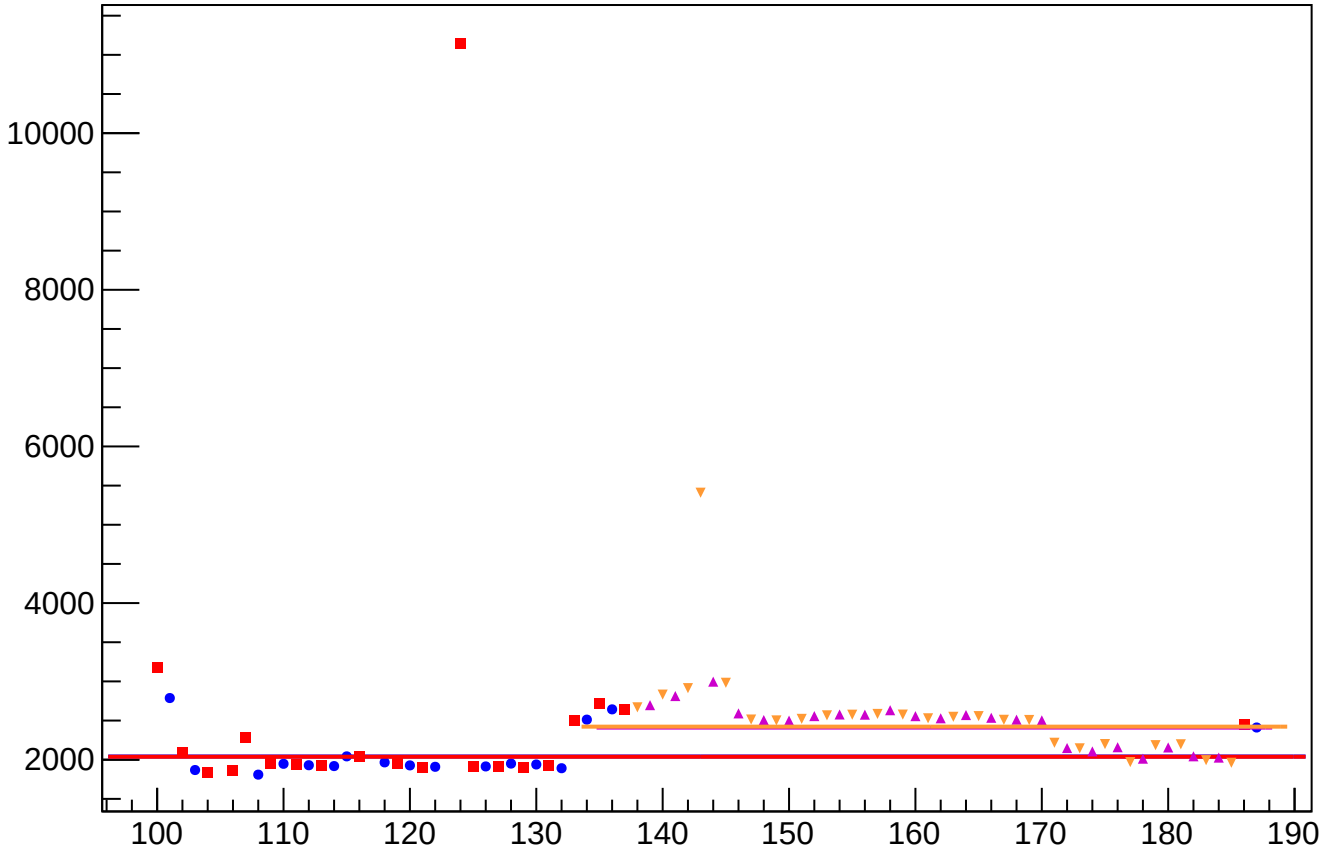
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1055.467+/-448.847 χ^2/NDF: 56.1/41

All: -728.925+/-317.807 χ^2/NDF: 120.6/84

- sign -2522.893+/-450.050 χ^2/NDF: 32.8/42

eigen_cor_asym_atl2_rms vs Slug



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.2/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2037.843+/-0.524 χ^2/NDF: 414789.6/19

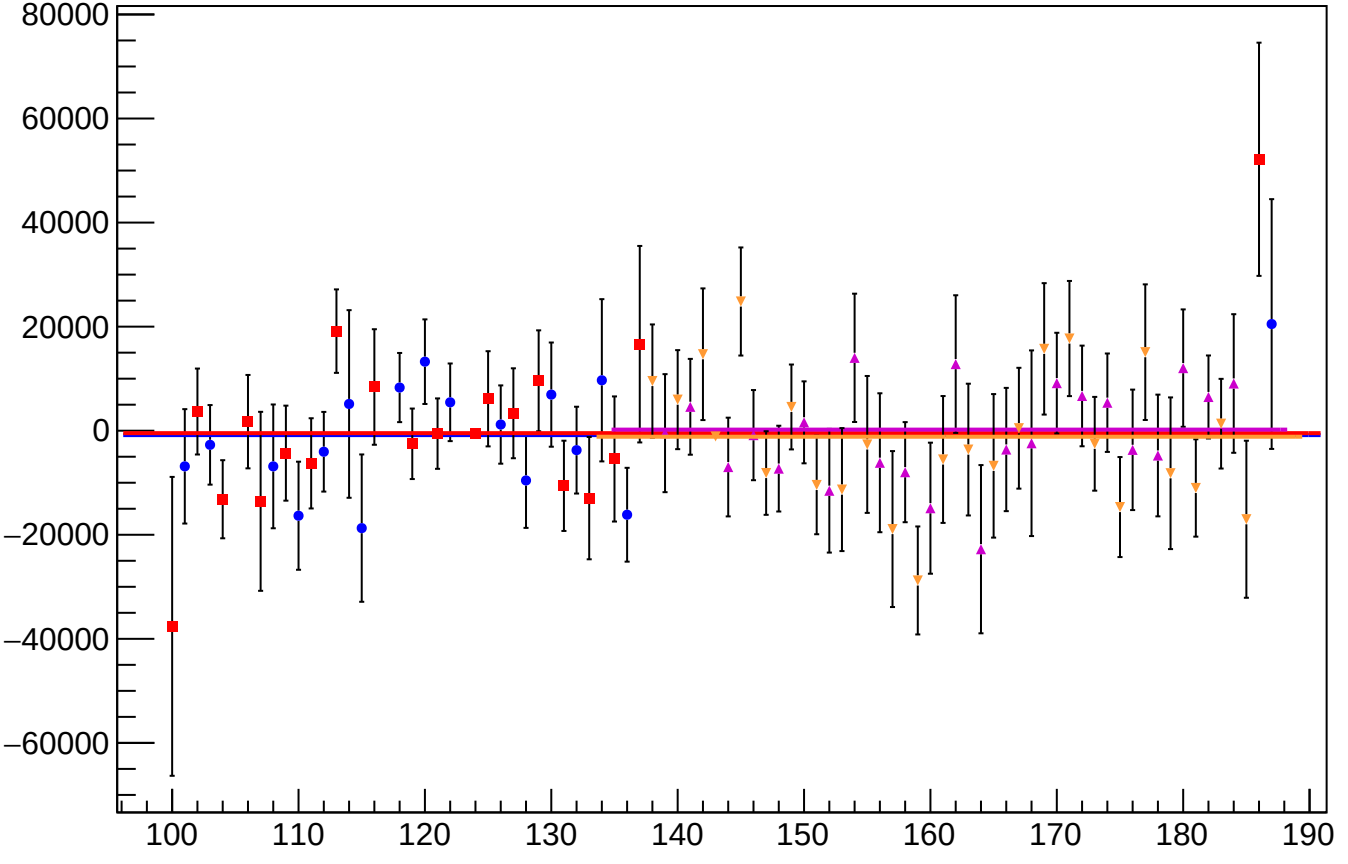
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2288.289+/-0.317 χ^2/NDF: 1553266.2/41

All: 2280.594+/-0.225 χ^2/NDF: 2715435.8/84

- sign 2272.857+/-0.318 χ^2/NDF: 1160990.7/42

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -845.973+/-2266.014 χ^2/NDF: 16.2/16

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -468.850+/-767.497 χ^2/NDF: 23.6/19

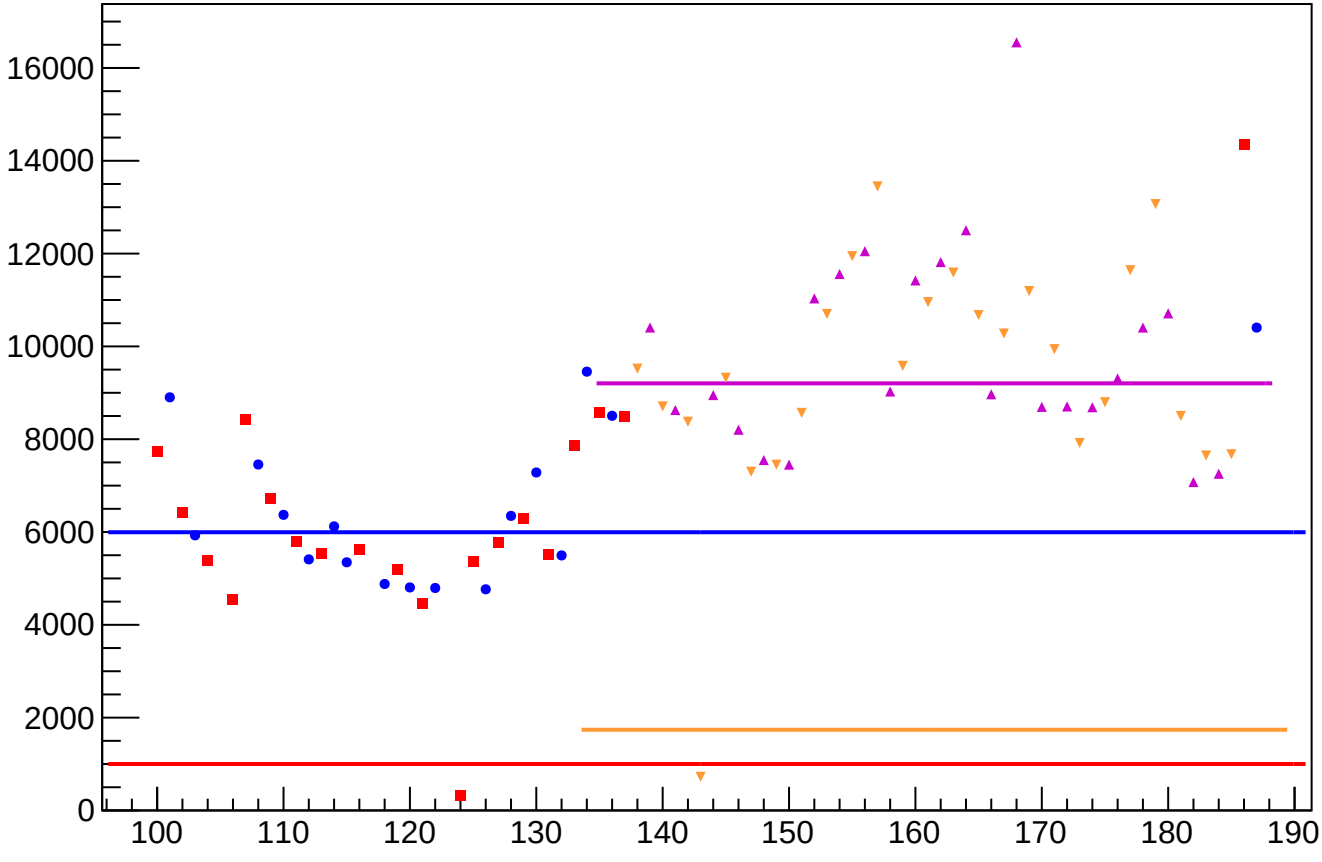
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1126.596+/-718.620 χ^2/NDF: 48.1/41

All: -763.749+/-510.203 χ^2/NDF: 85.7/84

- sign -394.953+/-724.487 χ^2/NDF: 37.0/42

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 5995.295+/-1.602 χ^2/NDF: 757253.5/16

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1000.716+/-0.543 χ^2/NDF: 12122883.9/19

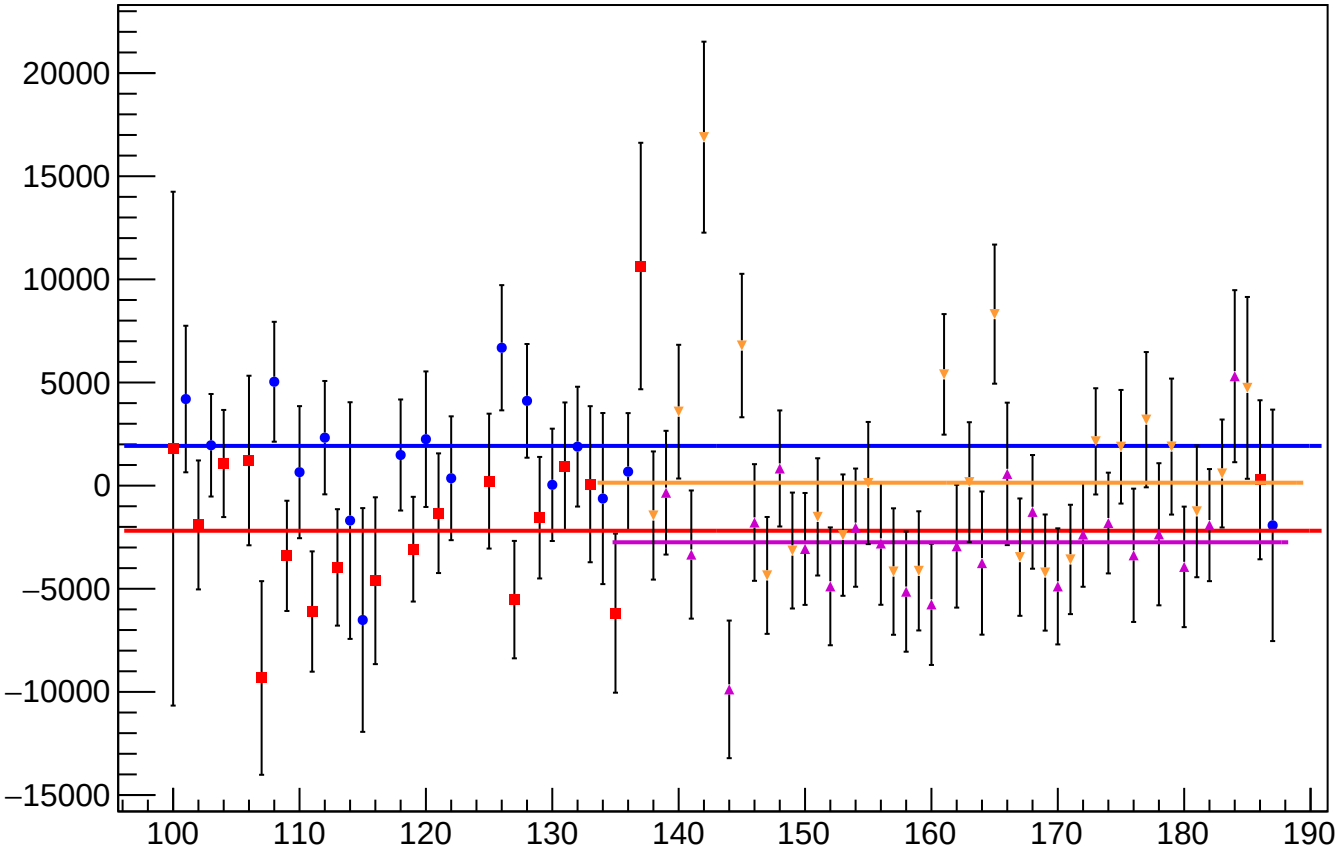
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2167.472+/-0.508 χ^2/NDF: 34837490.5/41

All: 2032.006+/-0.361 χ^2/NDF: 73264129.5/8

- sign 1894.319+/-0.512 χ^2/NDF: 38283332.8/42

dit_asym_atl2_mean vs Slug



Right In: 1926.016+/-766.290 χ^2/NDF: 9.5/16

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2186.985+/-756.312 χ^2/NDF: 17.1/18

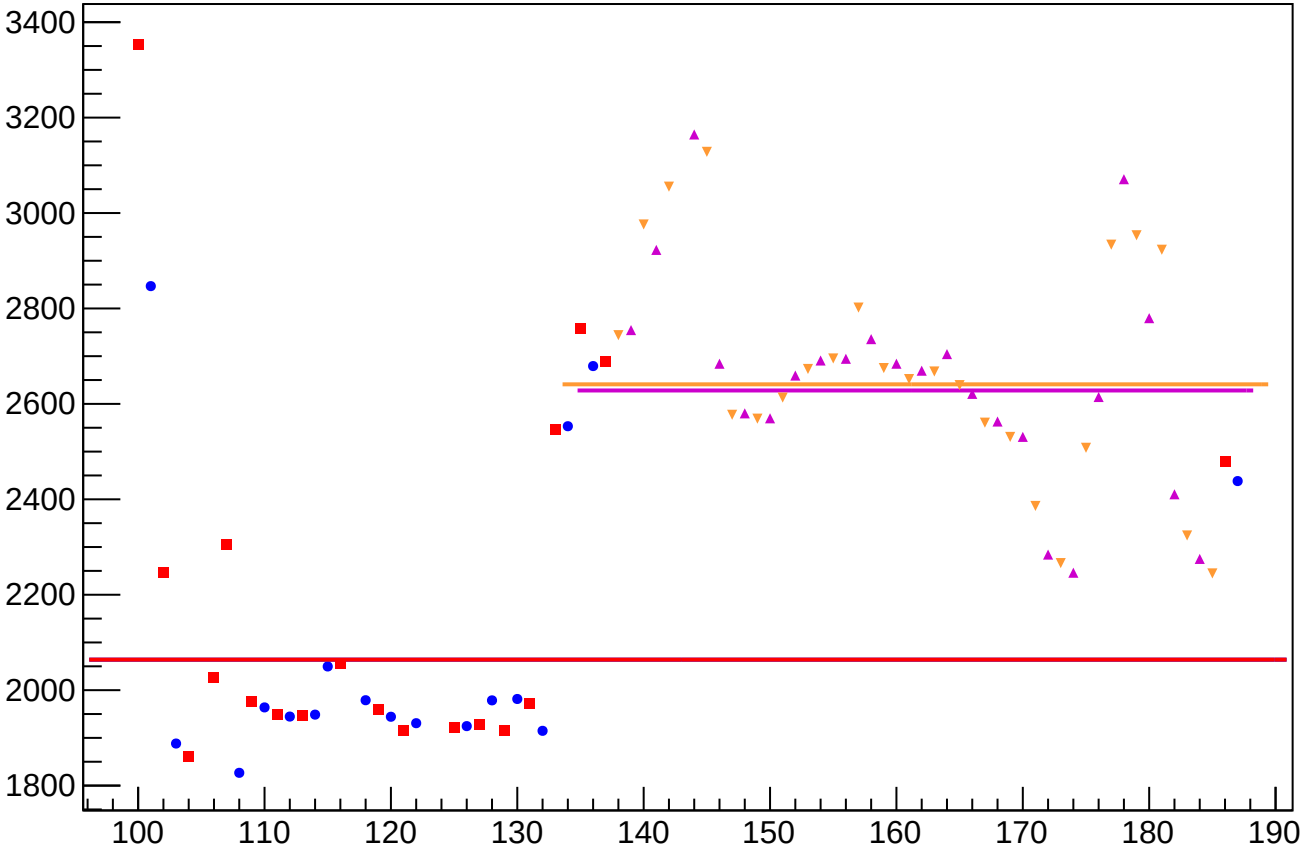
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 842.236+/-479.979 χ^2/NDF: 58.6/40

All: -848.456+/-338.581 χ^2/NDF: 116.1/82

- sign -2522.993+/-477.681 χ^2/NDF: 32.8/41

dit_asym_atl2_rms vs Slug



Right In: 2063.910+/-0.542 χ^2/NDF: 279525.6/16

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2064.003+/-0.534 χ^2/NDF: 220745.9/18

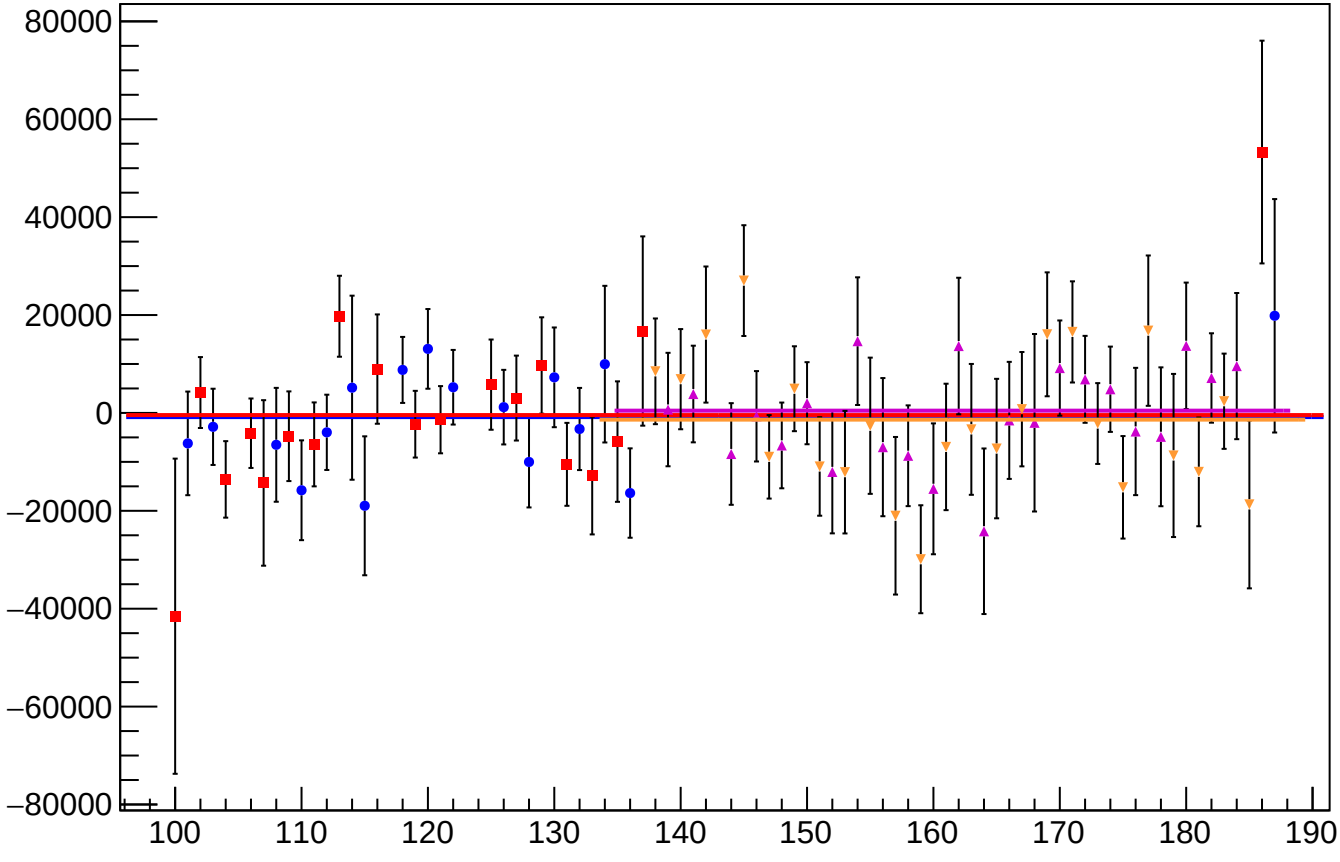
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2414.581+/-0.339 χ^2/NDF: 1222181.9/40

All: 2408.604+/-0.239 χ^2/NDF: 2351022.1/82

- sign 2402.692+/-0.338 χ^2/NDF: 1128223.4/41

asym_atl2_dit_correction_mean vs Slug



Right In: -850.890+/-2284.057 χ^2/NDF: 16.1/16

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -439.493+/-2141.350 χ^2/NDF: 24.0/18

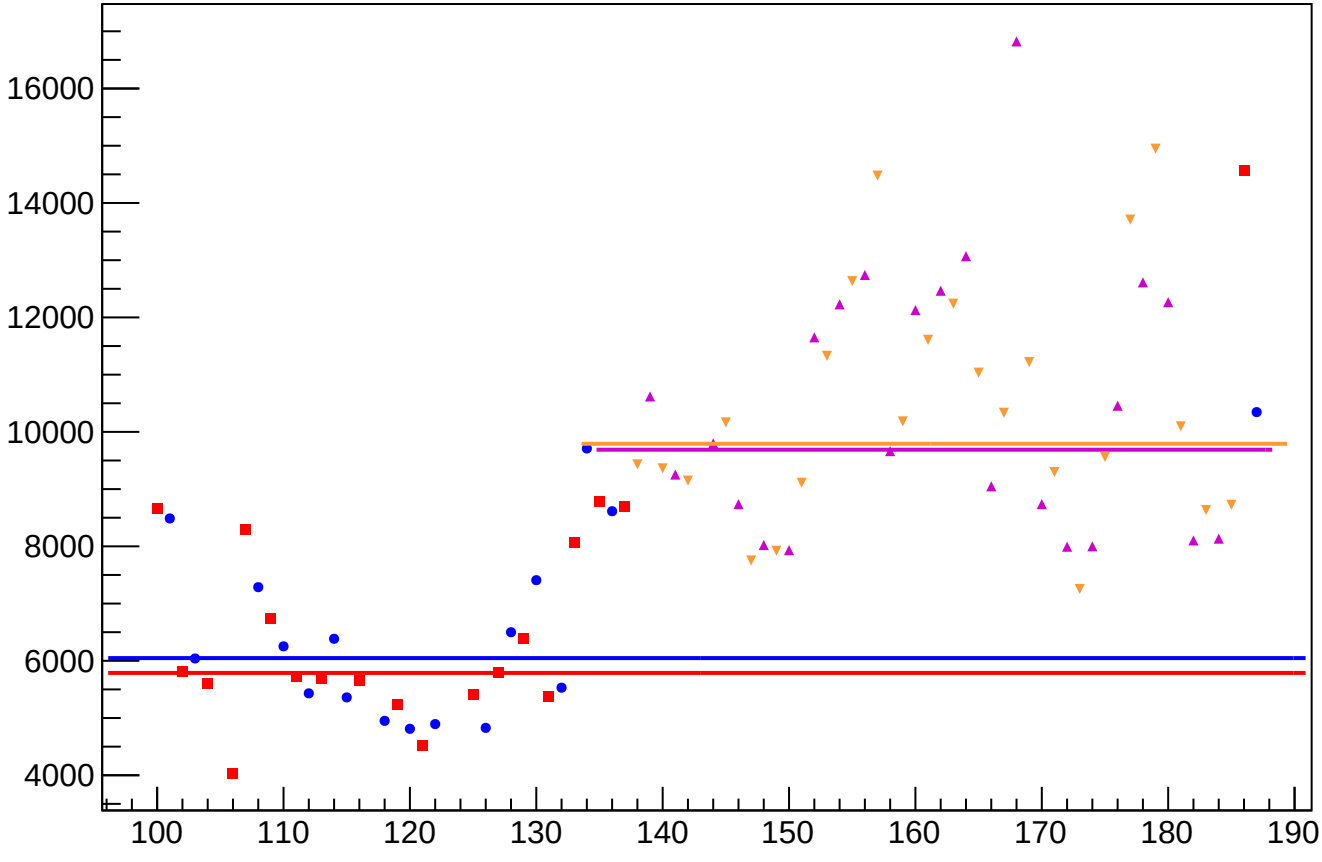
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1104.139+/-1629.798 χ^2/NDF: 47.4/40

All: -543.943+/-1131.382 χ^2/NDF: 84.7/82

- sign -22.902+/-1571.809 χ^2/NDF: 37.1/41

asym_atl2_dit_correction_rms vs Slug



Right In: 6047.222+/-1.615 χ^2/NDF: 719575.2/16

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

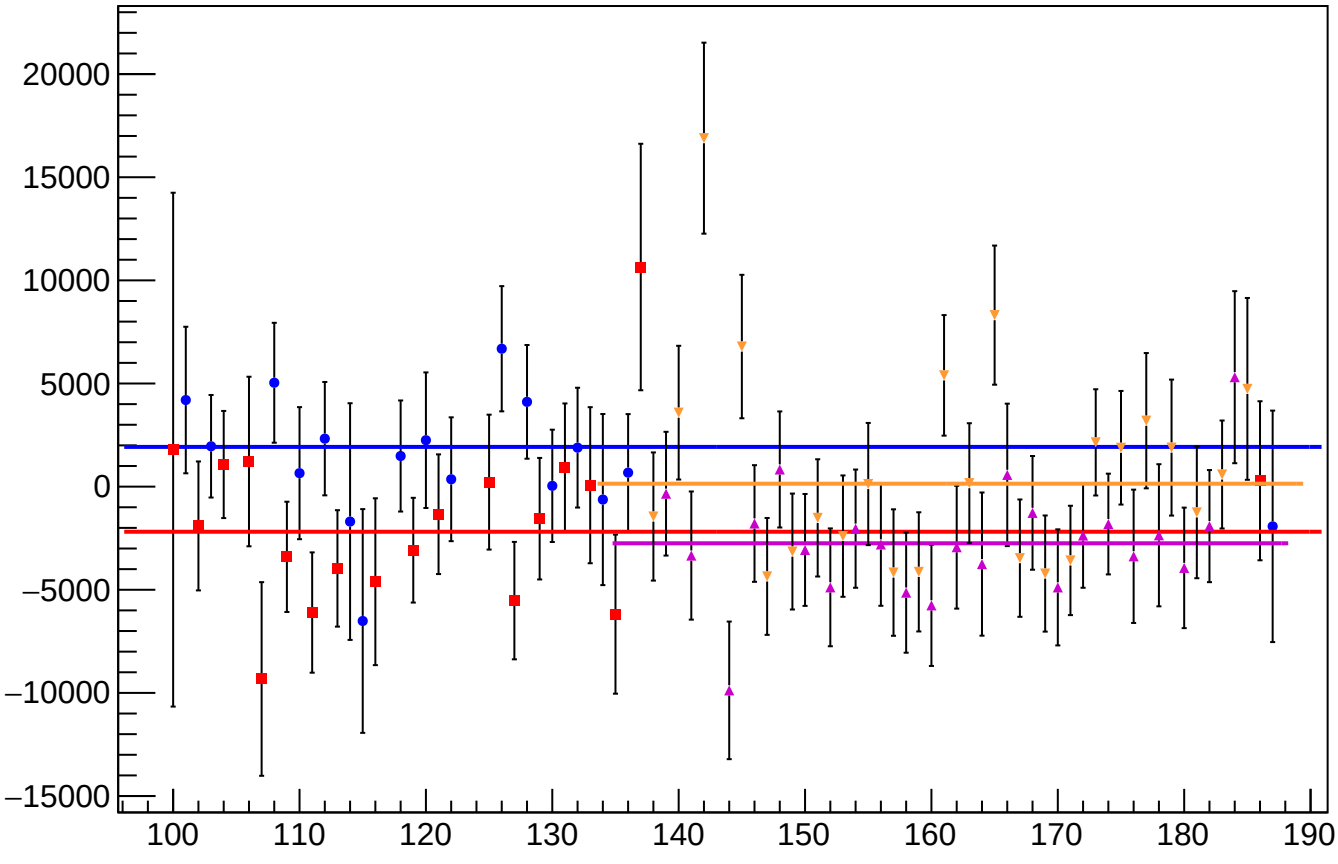
Right Out: 5788.320+/-1.514 χ^2/NDF: 836118.2/18

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 7885.425+/-1.152 χ^2/NDF: 4577780.0/40

All: 7730.784+/-0.800 χ^2/NDF: 9886291.9/82

- sign 7586.952+/-1.111 χ^2/NDF: 5273758.8/41



Right In: 1926.022+/-766.290 χ^2/NDF: 9.5/16

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2186.993+/-756.312 χ^2/NDF: 17.1/18

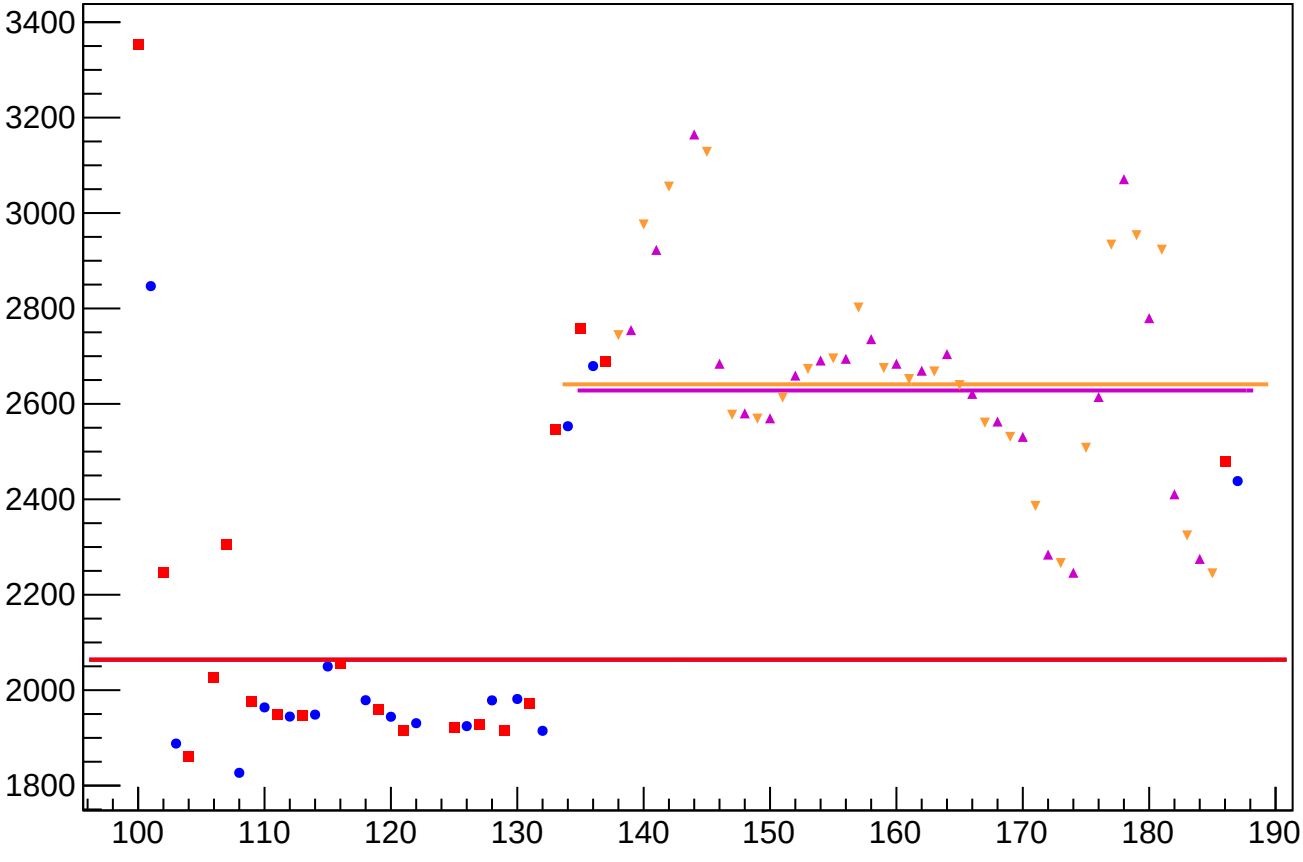
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 842.234+/-479.980 χ^2/NDF: 58.6/40

All: -848.458+/-338.581 χ^2/NDF: 116.1/82

- sign -2522.995+/-477.681 χ^2/NDF: 32.8/41

eigen_dit_asym_atl2_rms vs Slug



Right In: 2063.910+/-0.542 χ^2/NDF: 279525.6/16

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

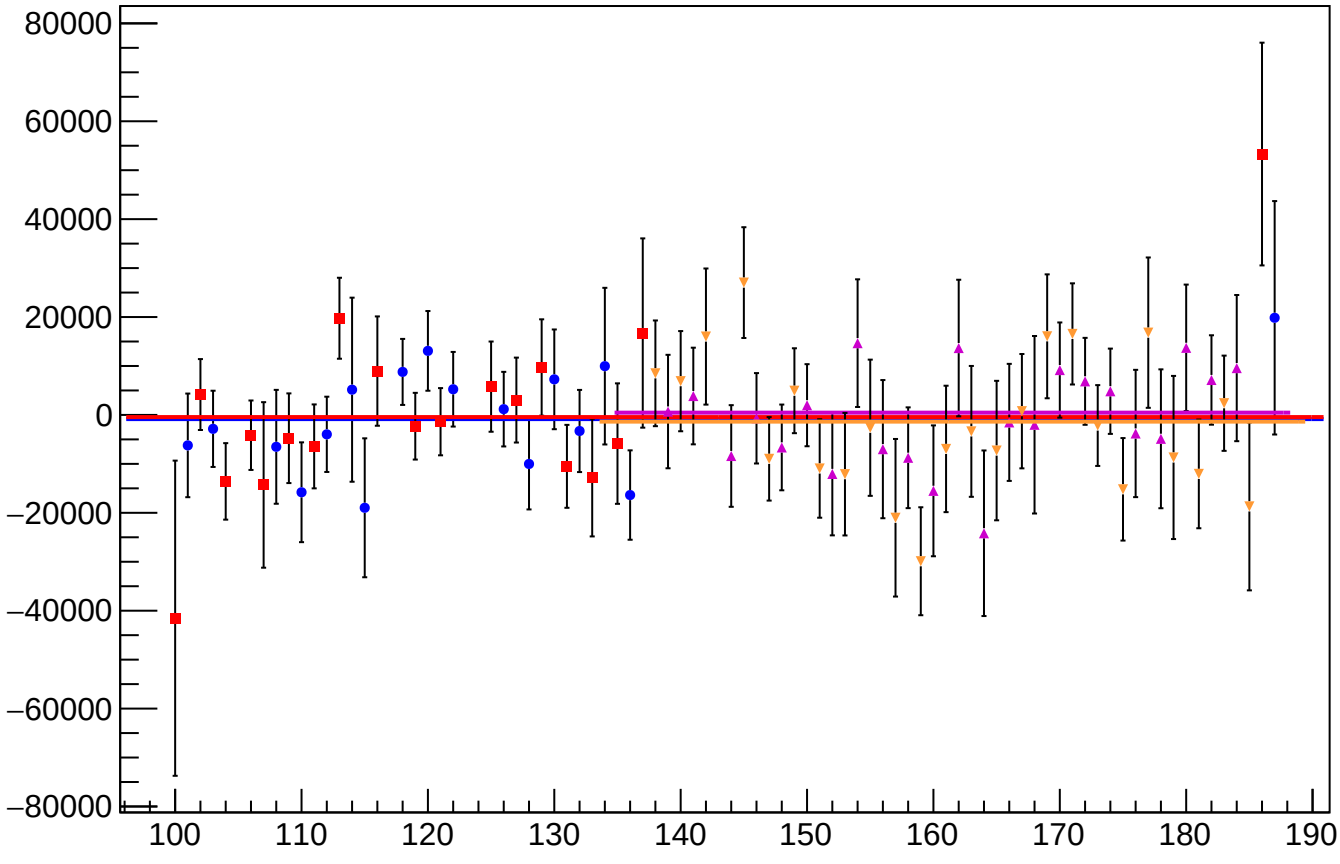
Right Out: 2064.003+/-0.534 χ^2/NDF: 220745.7/18

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2414.582+/-0.339 χ^2/NDF: 1222195.8/40

All: 2408.605+/-0.239 χ^2/NDF: 2351050.7/82

- sign 2402.693+/-0.338 χ^2/NDF: 1128238.0/41



Right In: -850.879+/-2284.050 χ^2/NDF: 16.1/16

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -439.501+/-2141.344 χ^2/NDF: 24.0/18

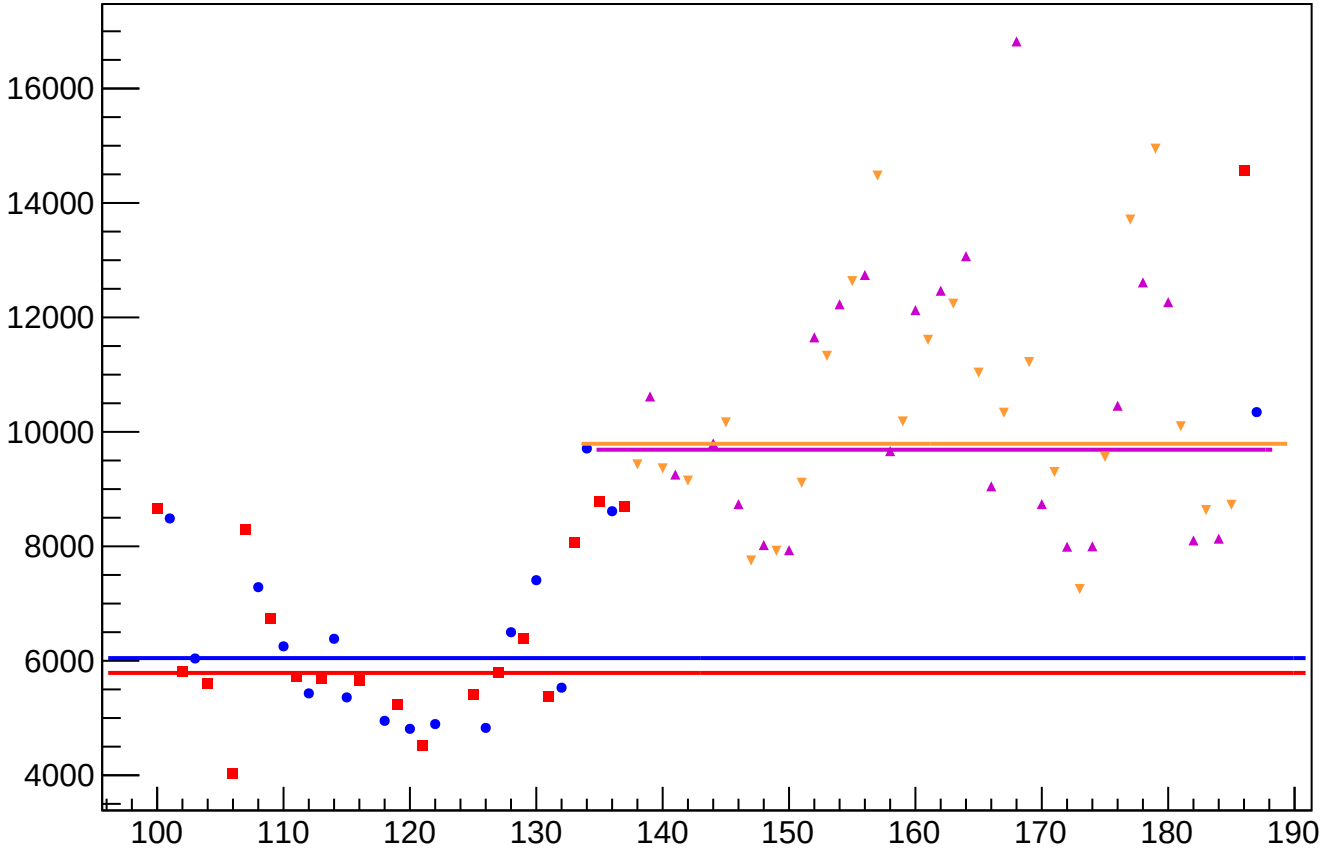
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

\+ sign -1104.137+/-1629.797 χ^2/NDF: 47.4/40

All: -543.944+/-1131.381 χ^2/NDF: 84.7/82

\- sign -22.907+/-1571.808 χ^2/NDF: 37.1/41

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6047.202+/-1.615 χ^2/NDF: 719584.4/16

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 5788.303+/-1.514 χ^2/NDF: 836123.2/18

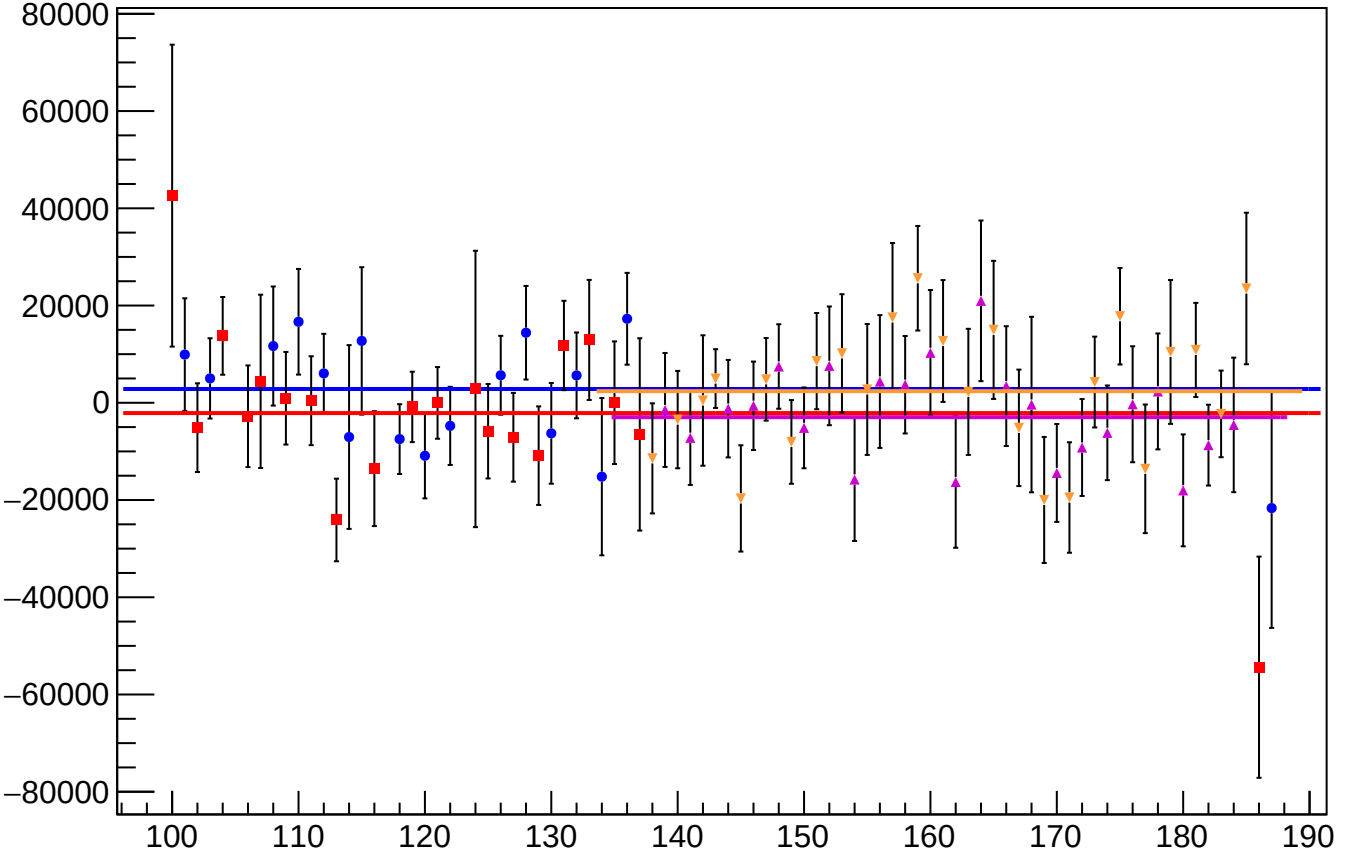
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 7885.415+/-1.152 χ^2/NDF: 4577844.2/40

All: 7730.773+/-0.800 χ^2/NDF: 9886417.0/82

- sign 7586.941+/-1.111 χ^2/NDF: 5273819.5/41

asym_atl2_mean vs Slug



Right In: 2834.003+/-2409.127 χ^2/NDF: 15.9/16

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -2118.393+/-2323.661 χ^2/NDF: 24.5/19

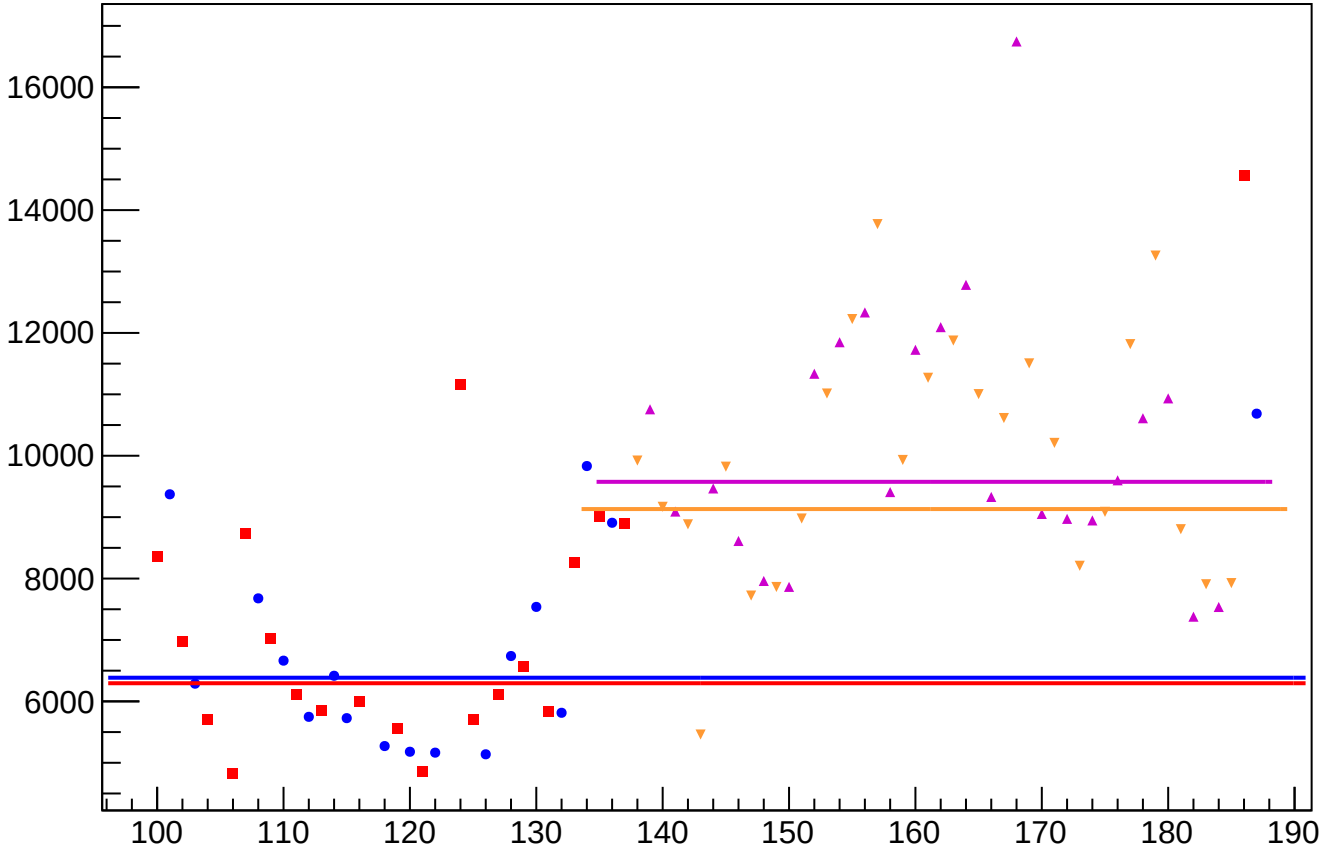
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

\+ sign 2584.271+/-1598.481 χ^2/NDF: 45.6/41

All: 62.979+/-1140.256 χ^2/NDF: 88.3/84

\- sign -2549.179+/-1627.030 χ^2/NDF: 37.6/42

asym_atl2_rms vs Slug



Right In: 6385.285+/-1.704 χ^2/NDF: 682716.4/16

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6295.312+/-1.643 χ^2/NDF: 738953.2/19

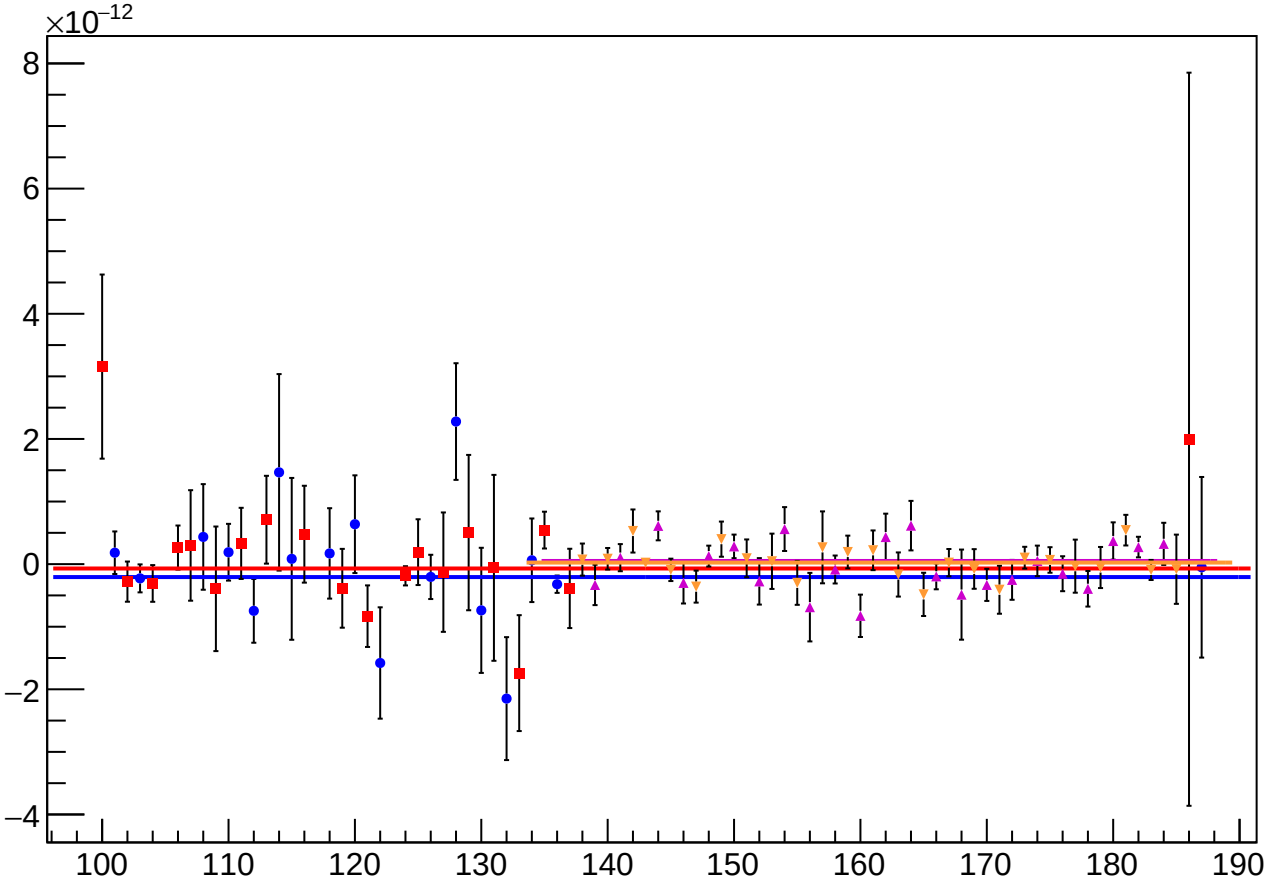
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

\+ sign 7922.607+/-1.130 χ^2/NDF: 3949318.7/41

All: 7944.481+/-0.806 χ^2/NDF: 7873990.6/84

\- sign 7967.143+/-1.150 χ^2/NDF: 3923909.4/42

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

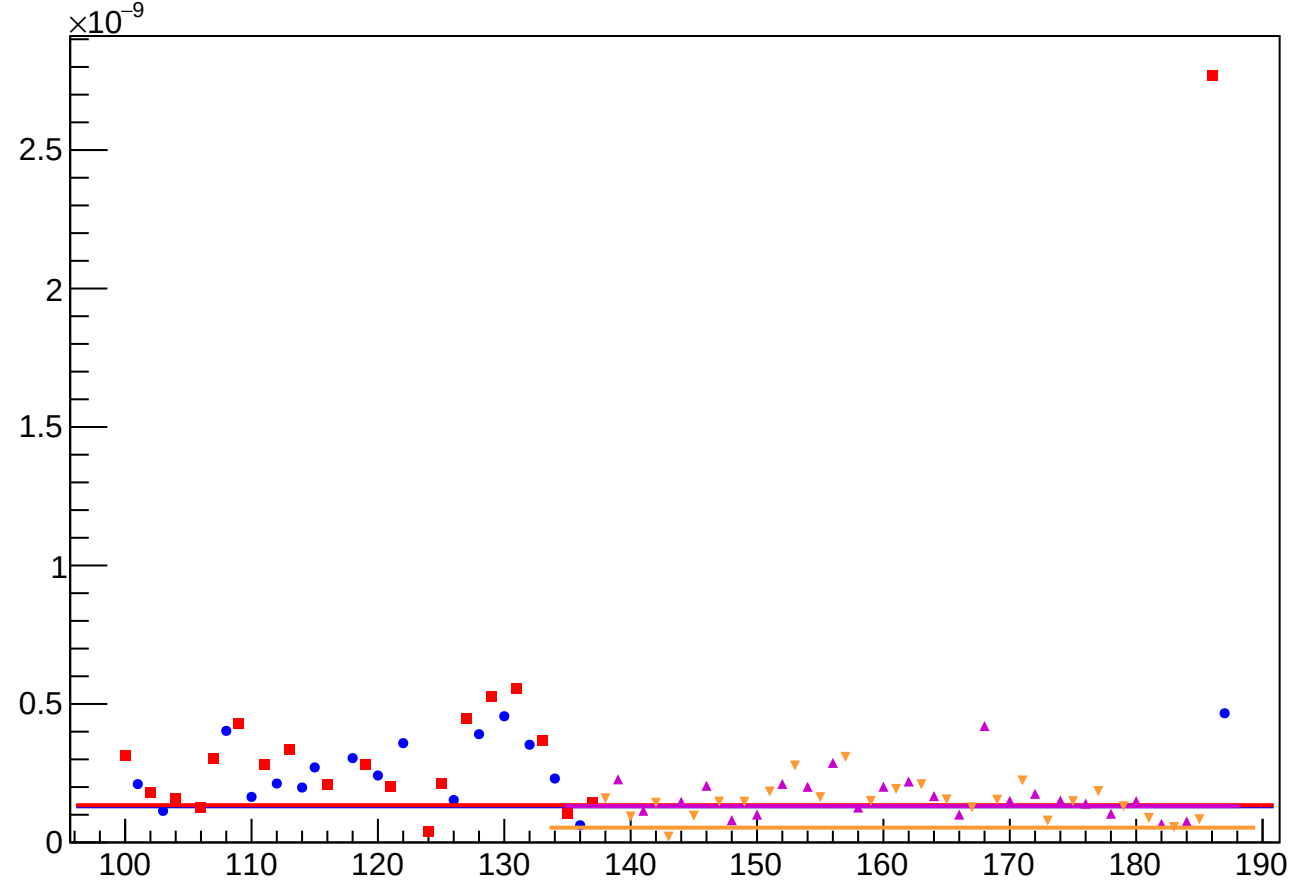
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/41

All: 0.000+/-0.000 χ^2/NDF: 103.3/84

- sign 0.000+/-0.000 χ^2/NDF: 59.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1829189.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2709491.8/19

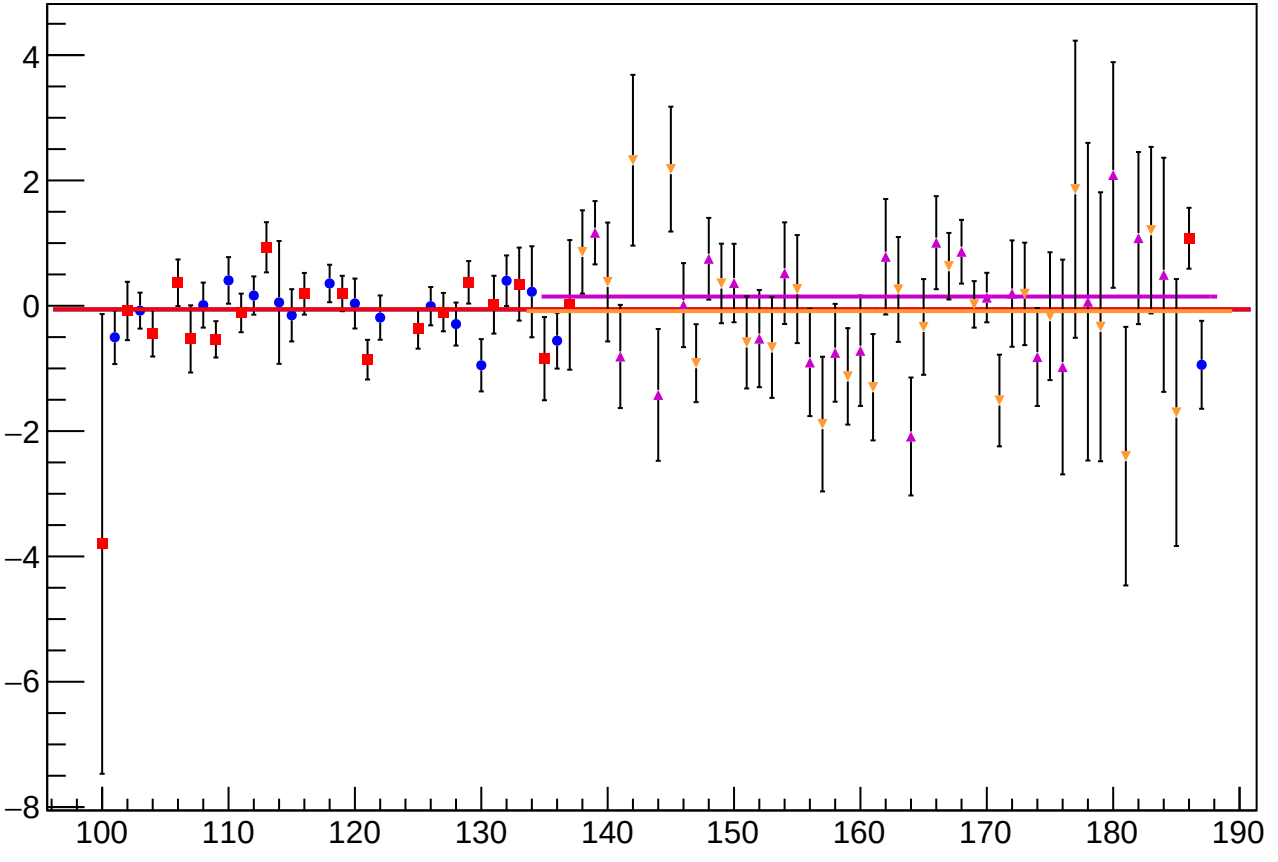
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10270575.8/41

All: 0.000+/-0.000 χ^2/NDF: 18245382.3/84

- sign 0.000+/-0.000 χ^2/NDF: 4615729.6/42

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

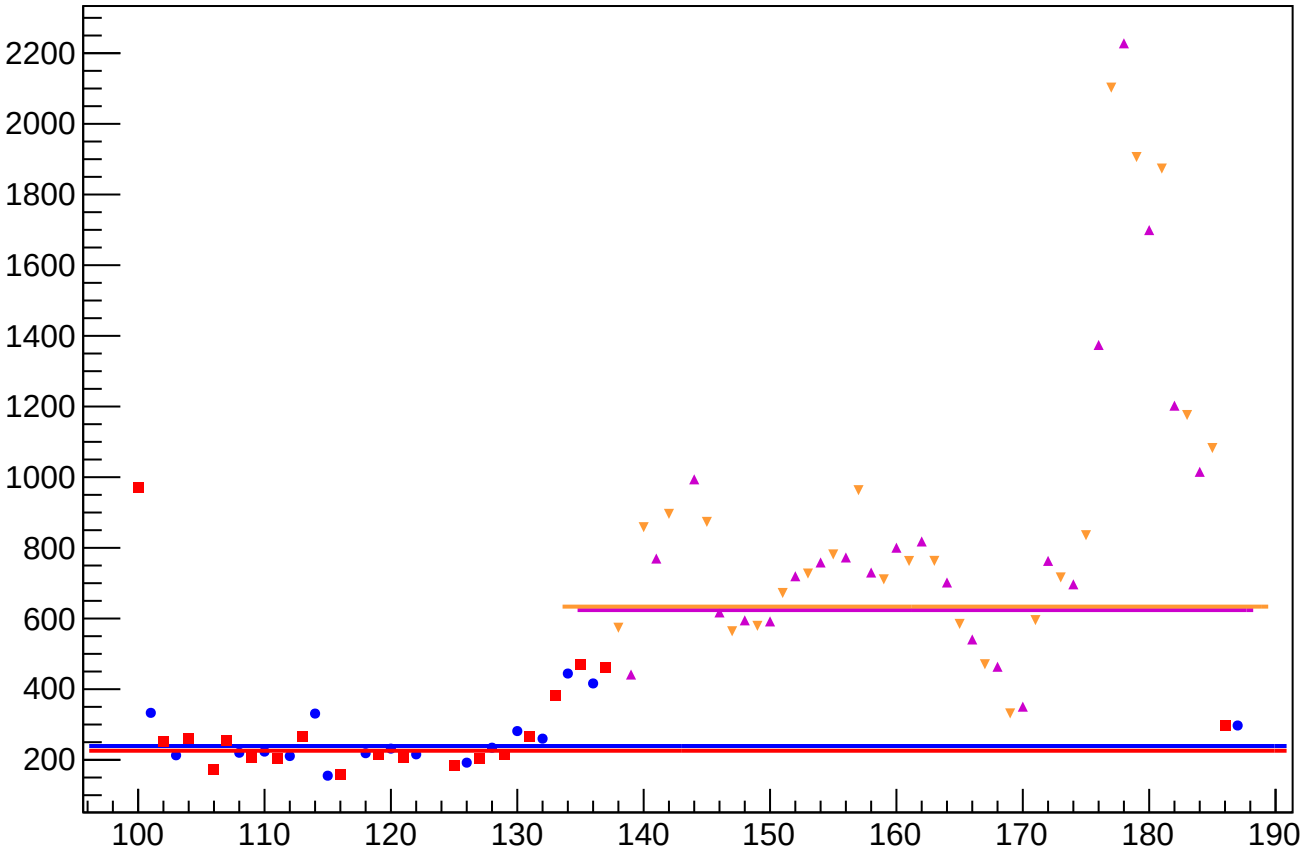
Right Out: -0.055+/-0.089 χ^2/NDF: 30.9/18

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.066+/-0.081 χ^2/NDF: 45.0/40

All: -0.035+/-0.056 χ^2/NDF: 103.8/82

- sign -0.007+/-0.077 χ^2/NDF: 58.6/41



Right In: 239.202+/-0.066 χ^2/NDF: 821137.0/16

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 225.835+/-0.063 χ^2/NDF: 906882.2/18

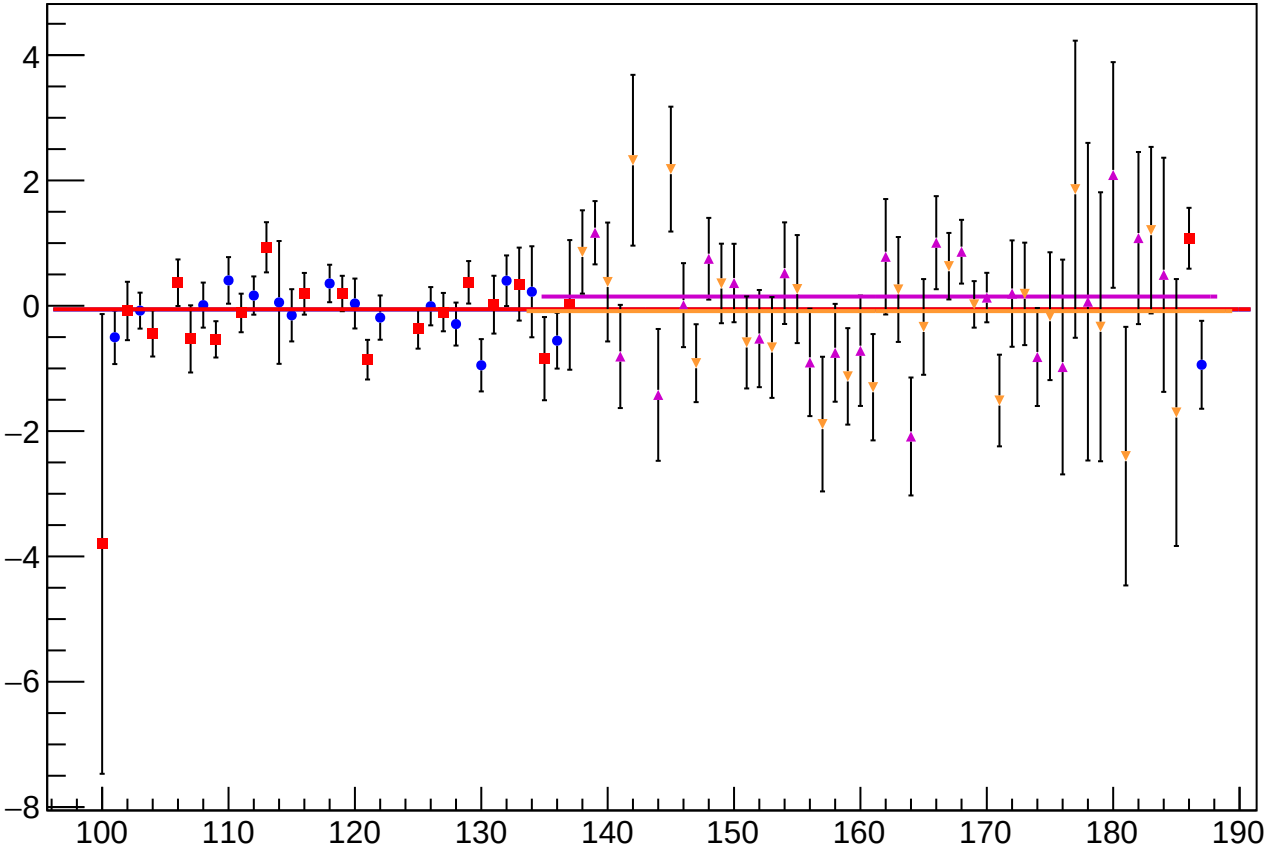
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.454+/-0.057 χ^2/NDF: 14782995.3/40

All: 328.752+/-0.039 χ^2/NDF: 29918899.1/82

- sign 320.751+/-0.055 χ^2/NDF: 15091117.9/41

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.055+/-0.089 χ^2/NDF: 30.9/18

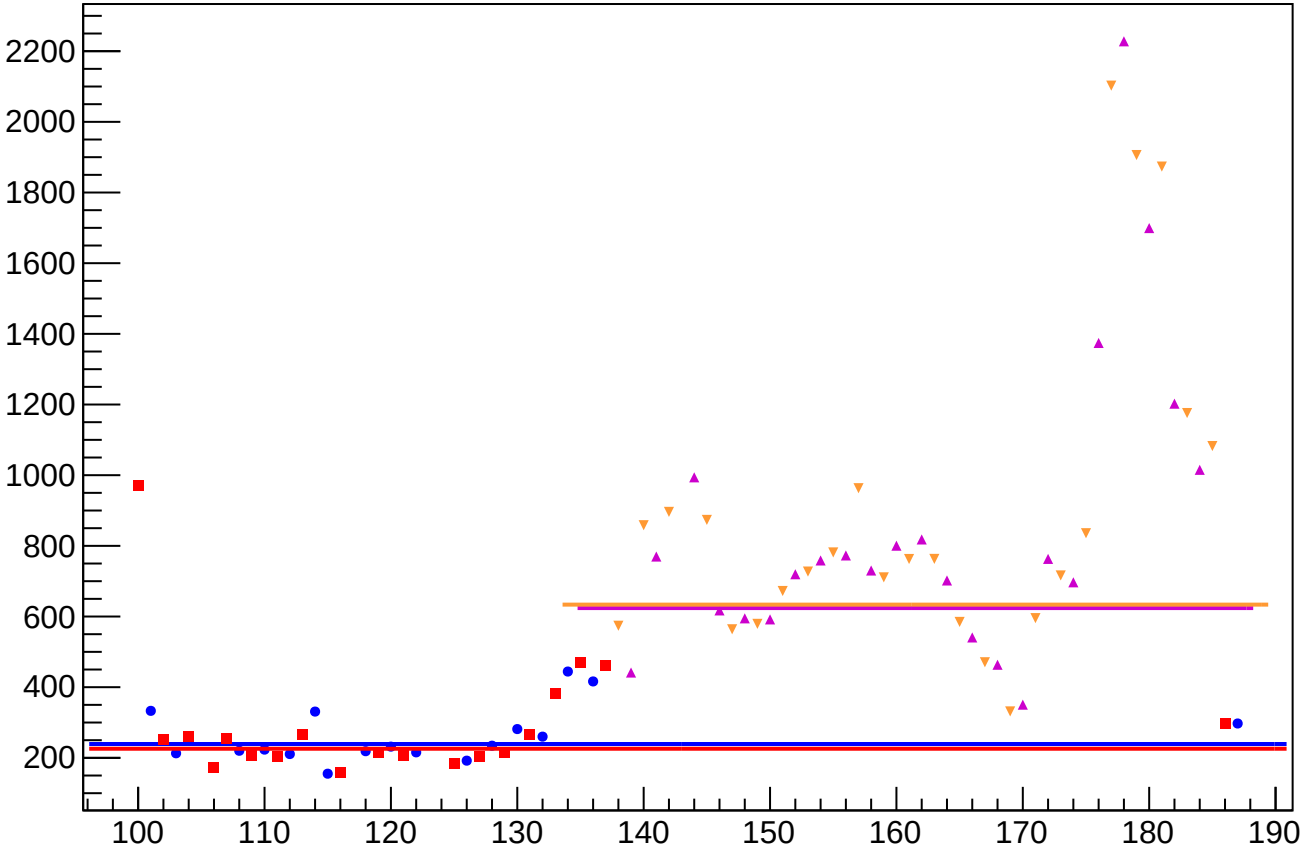
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.066+/-0.081 χ^2/NDF: 45.0/40

All: -0.035+/-0.056 χ^2/NDF: 103.8/82

- sign -0.007+/-0.077 χ^2/NDF: 58.6/41

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 239.202+/-0.066 χ^2/NDF: 821137.0/16

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

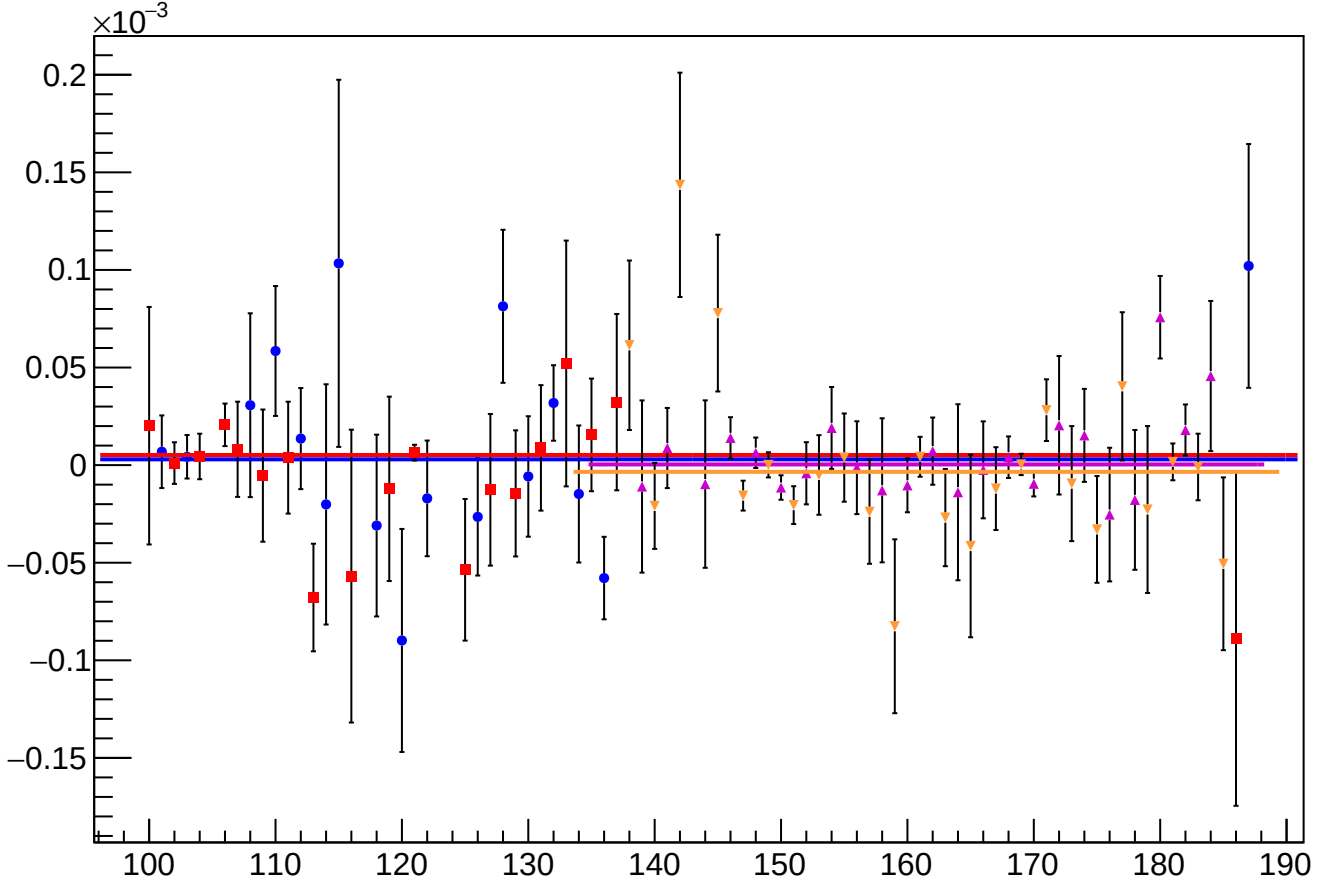
Right Out: 225.835+/-0.063 χ^2/NDF: 906882.2/18

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 337.454+/-0.057 χ^2/NDF: 14782995.3/40

All: 328.752+/-0.039 χ^2/NDF: 29918899.1/82

- sign 320.751+/-0.055 χ^2/NDF: 15091117.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

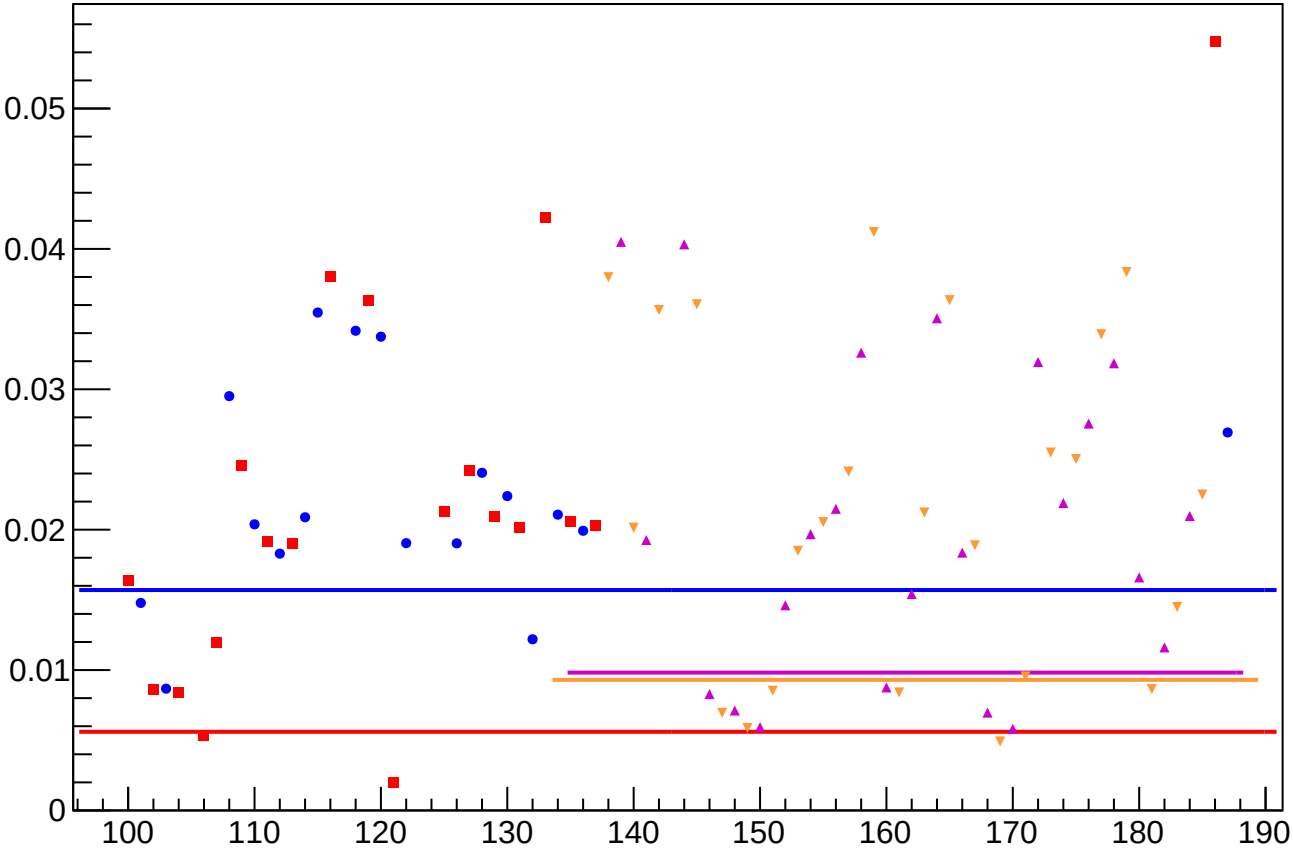
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.7/40

All: 0.000+/-0.000 χ^2/NDF: 108.8/82

- sign 0.000+/-0.000 χ^2/NDF: 44.9/41

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 2139935.6/16

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 8613260.3/18

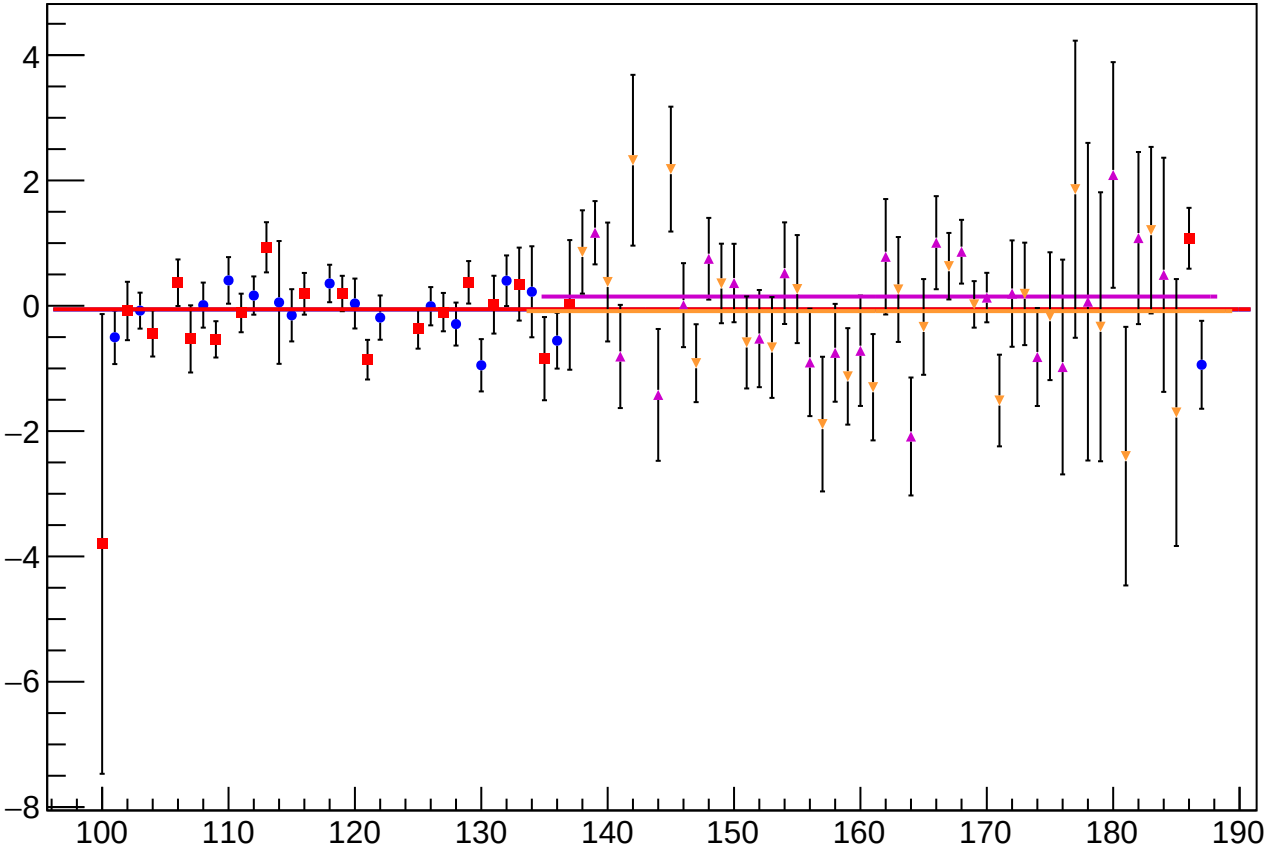
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.010+/-0.000 χ^2/NDF: 16076308.1/40

All: 0.009+/-0.000 χ^2/NDF: 37957542.7/82

- sign 0.008+/-0.000 χ^2/NDF: 20833484.4/41

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.055+/-0.089 χ^2/NDF: 30.9/18

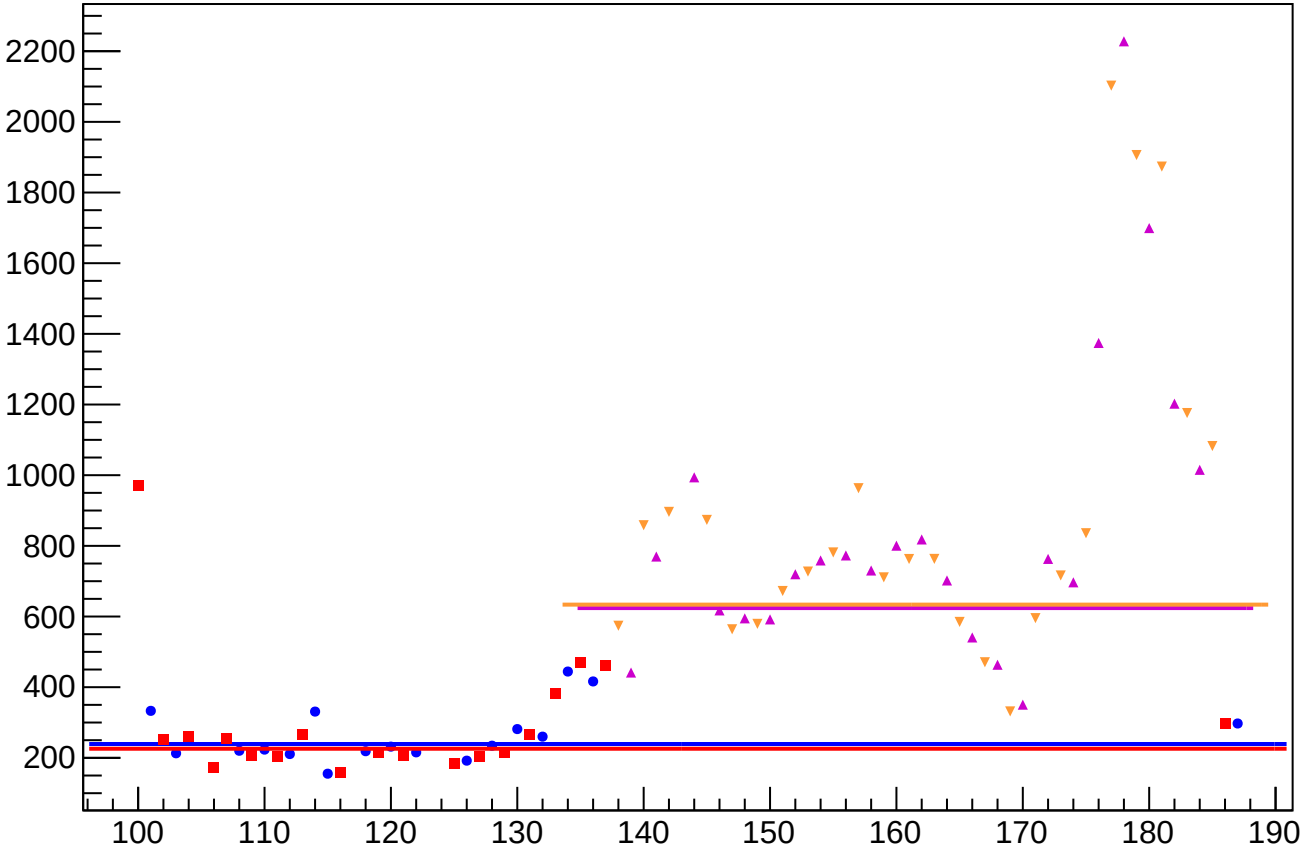
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.066+/-0.081 χ^2/NDF: 45.0/40

All: -0.035+/-0.056 χ^2/NDF: 103.8/82

- sign -0.007+/-0.077 χ^2/NDF: 58.6/41

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 239.203+/-0.066 χ^2/NDF: 821105.9/16

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

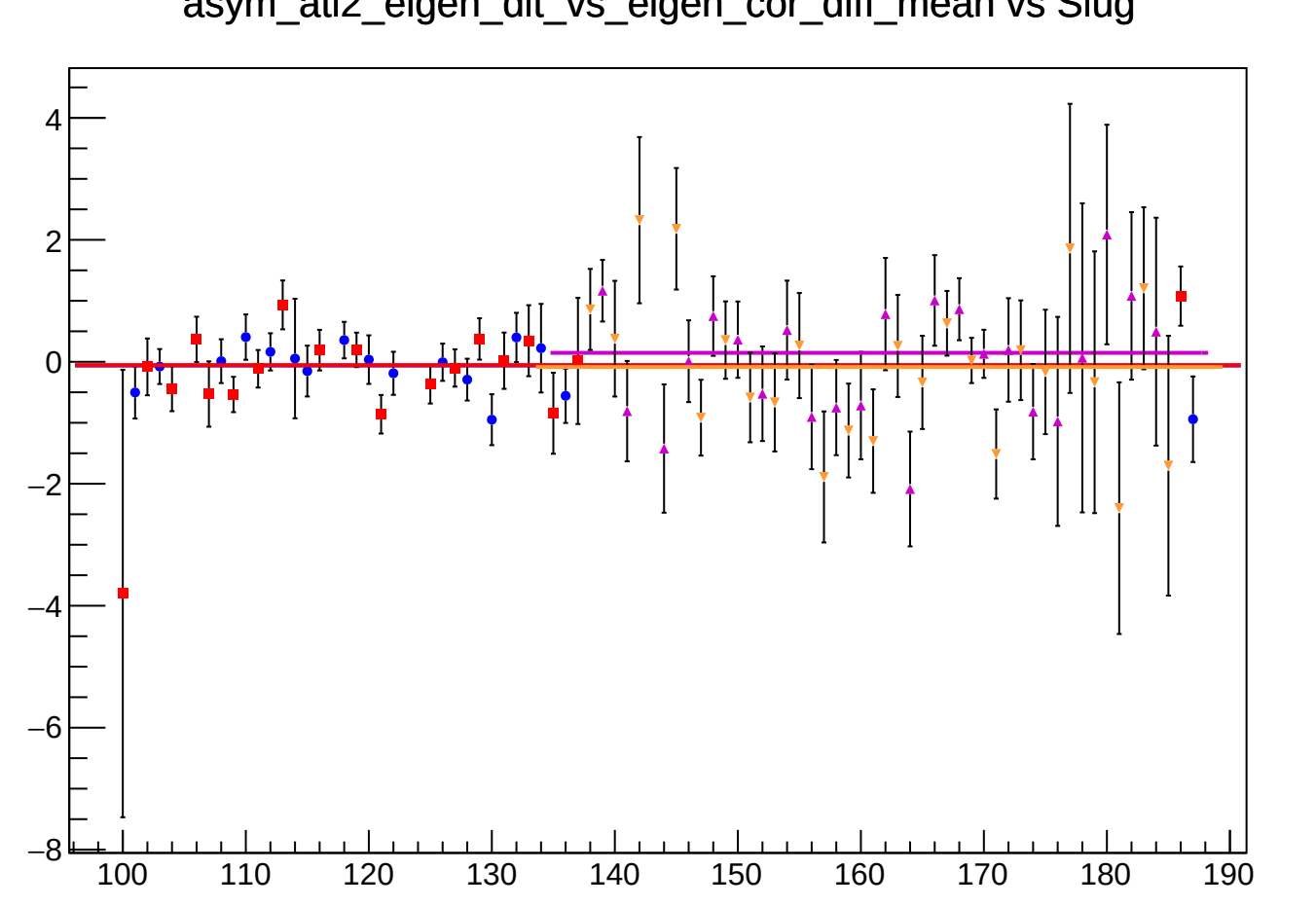
Right Out: 225.836+/-0.063 χ^2/NDF: 906788.8/18

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 337.455+/-0.057 χ^2/NDF: 14783060.4/40

All: 328.753+/-0.039 χ^2/NDF: 29918970.1/82

- sign 320.752+/-0.055 χ^2/NDF: 15091122.8/41



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

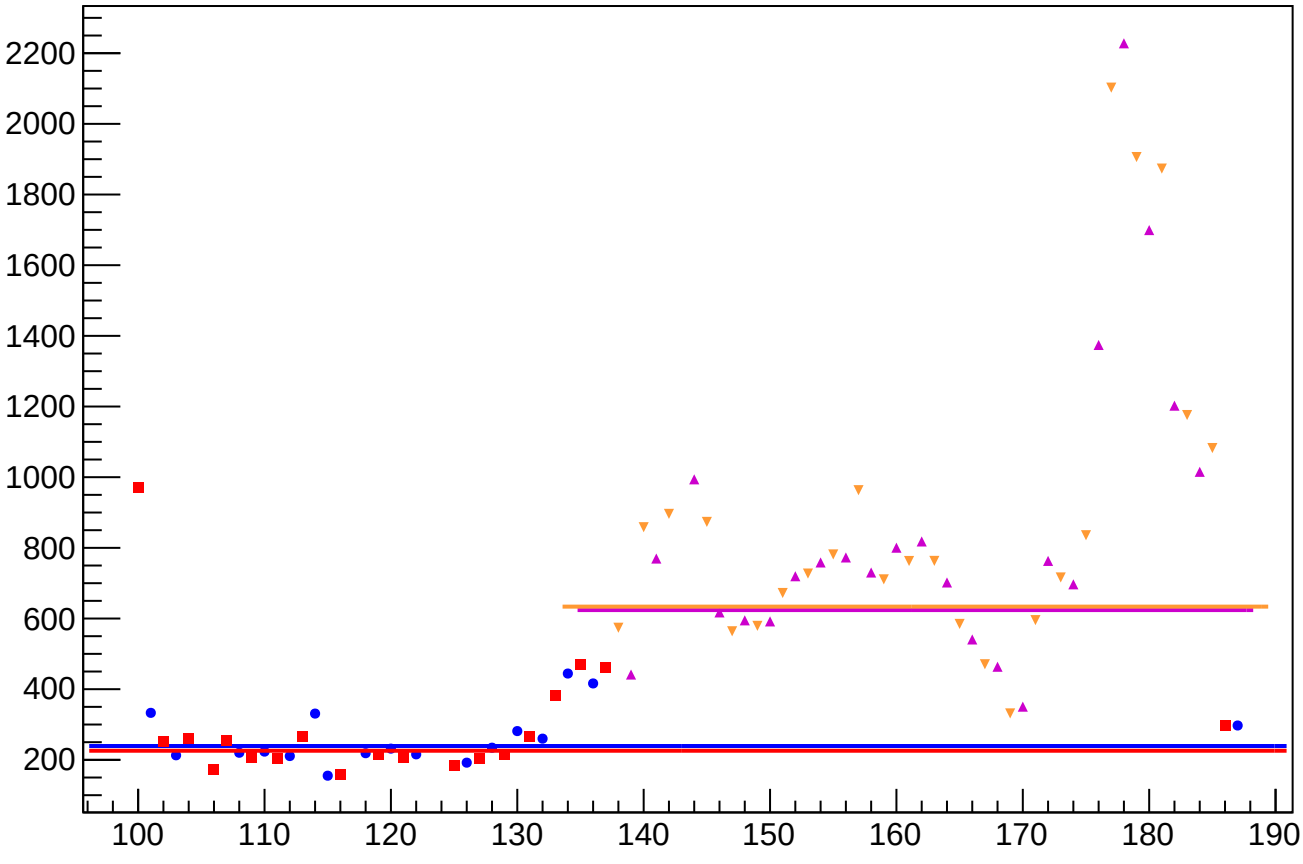
Right Out: -0.055+/-0.089 χ^2/NDF: 30.9/18

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.066+/-0.081 χ^2/NDF: 45.0/40

All: -0.035+/-0.056 χ^2/NDF: 103.8/82

- sign -0.007+/-0.077 χ^2/NDF: 58.6/41



Right In: 239.203+/-0.066 χ^2/NDF: 821105.9/16

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

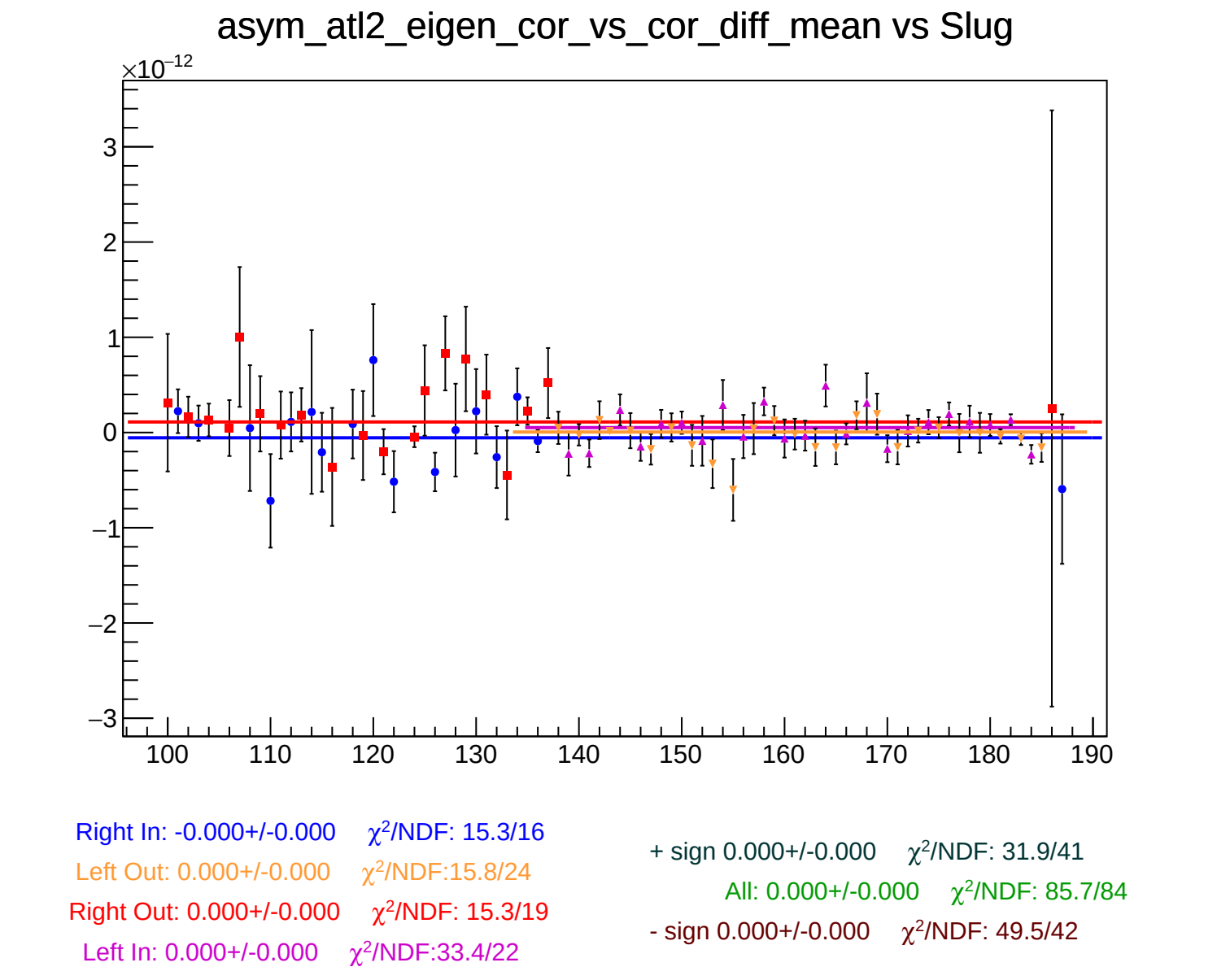
Right Out: 225.836+/-0.063 χ^2/NDF: 906788.8/18

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

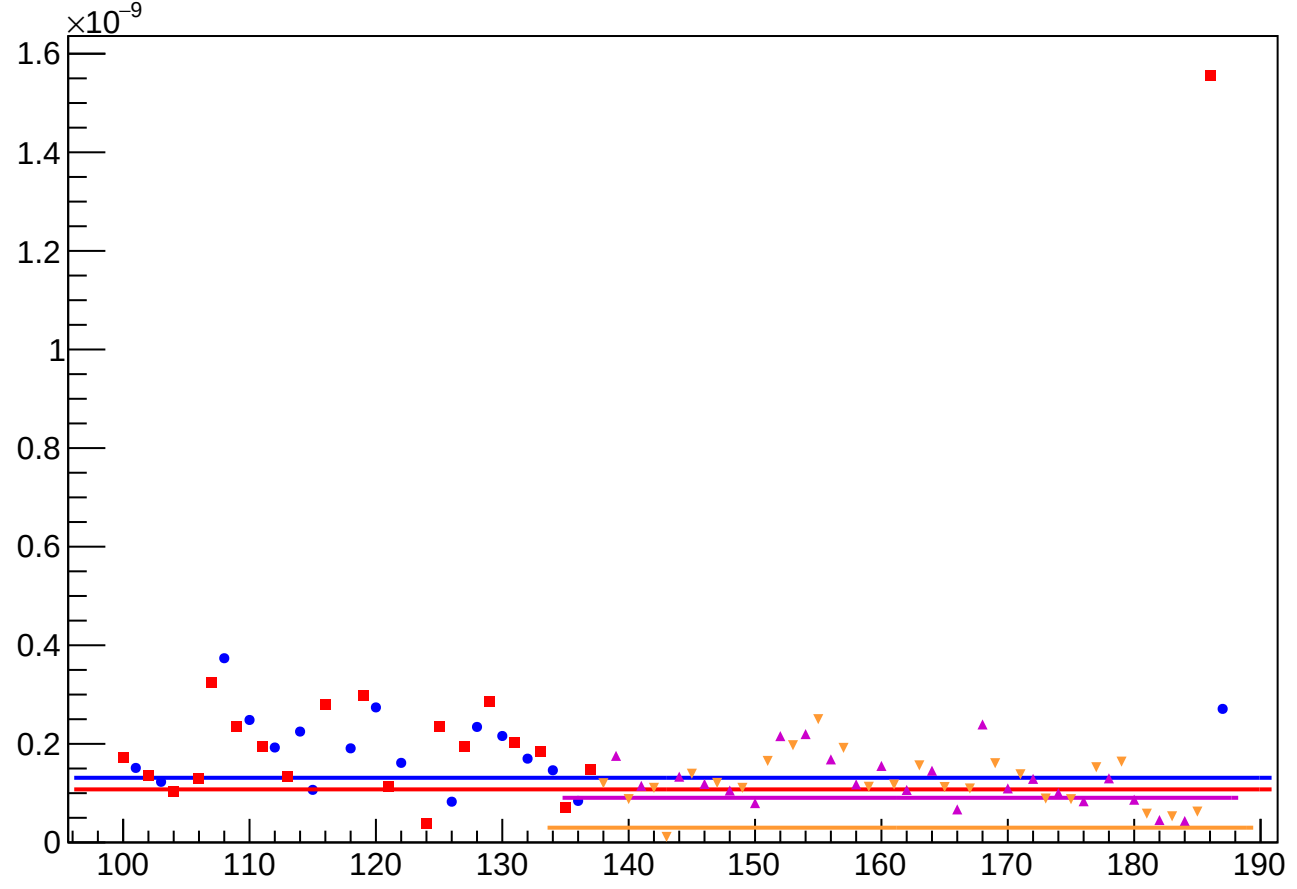
+ sign 337.455+/-0.057 χ^2/NDF: 14783060.4/40

All: 328.753+/-0.039 χ^2/NDF: 29918970.1/82

- sign 320.752+/-0.055 χ^2/NDF: 15091122.8/41


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.3/16
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.3/19
Left In: 0.000+/-0.000 χ²/NDF:33.4/22
+ sign 0.000+/-0.000 χ²/NDF: 31.9/41
All: 0.000+/-0.000 χ²/NDF: 85.7/84
- sign 0.000+/-0.000 χ²/NDF: 49.5/42

asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1398168.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3084683.7/19

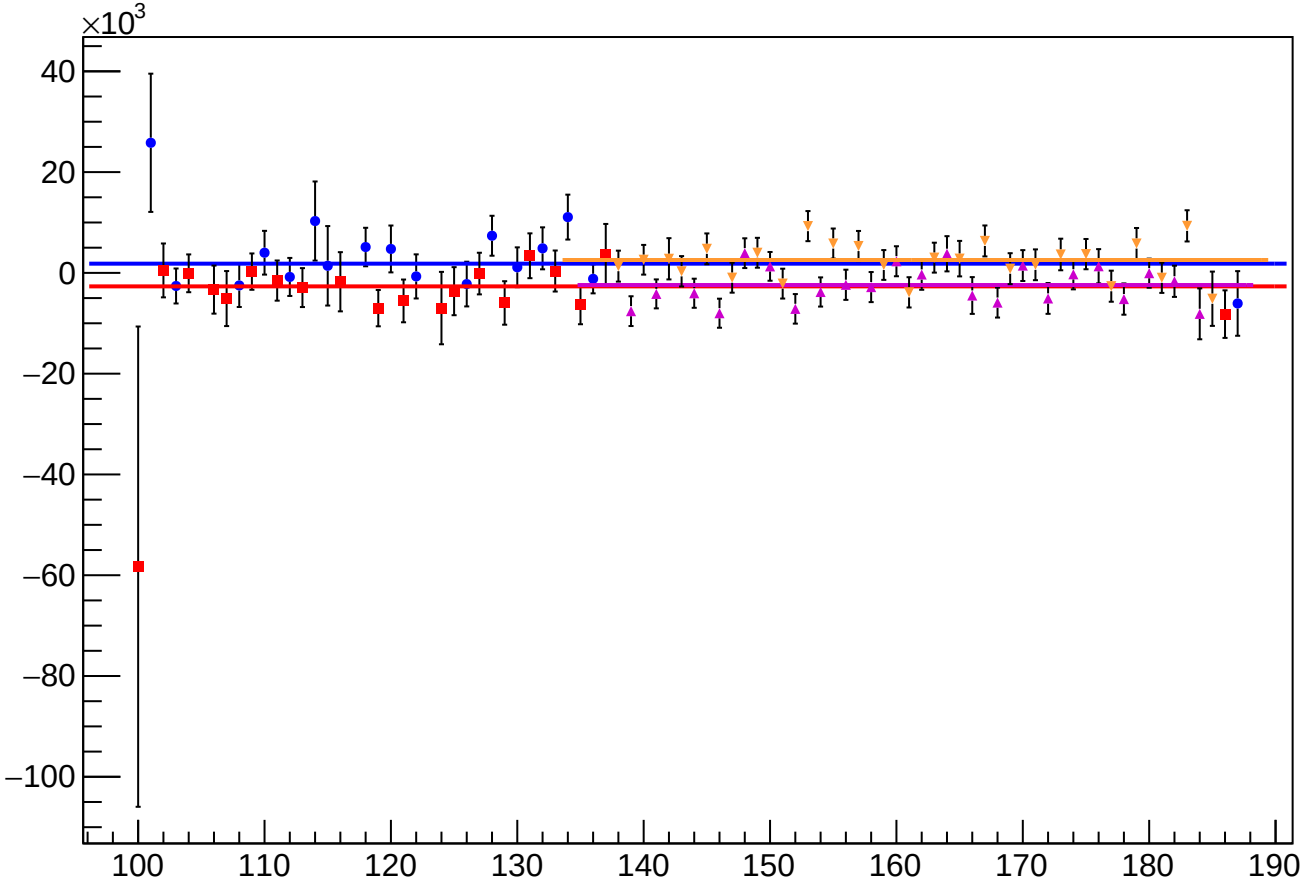
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 23015554.2/41

All: 0.000+/-0.000 χ^2/NDF: 39706531.9/84

- sign 0.000+/-0.000 χ^2/NDF: 7937627.9/42

reg_asym_atr1_mean vs Slug



Right In: 1829.549+/-1055.790 χ^2/NDF: 19.3/16

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2677.031+/-1011.403 χ^2/NDF: 12.2/19

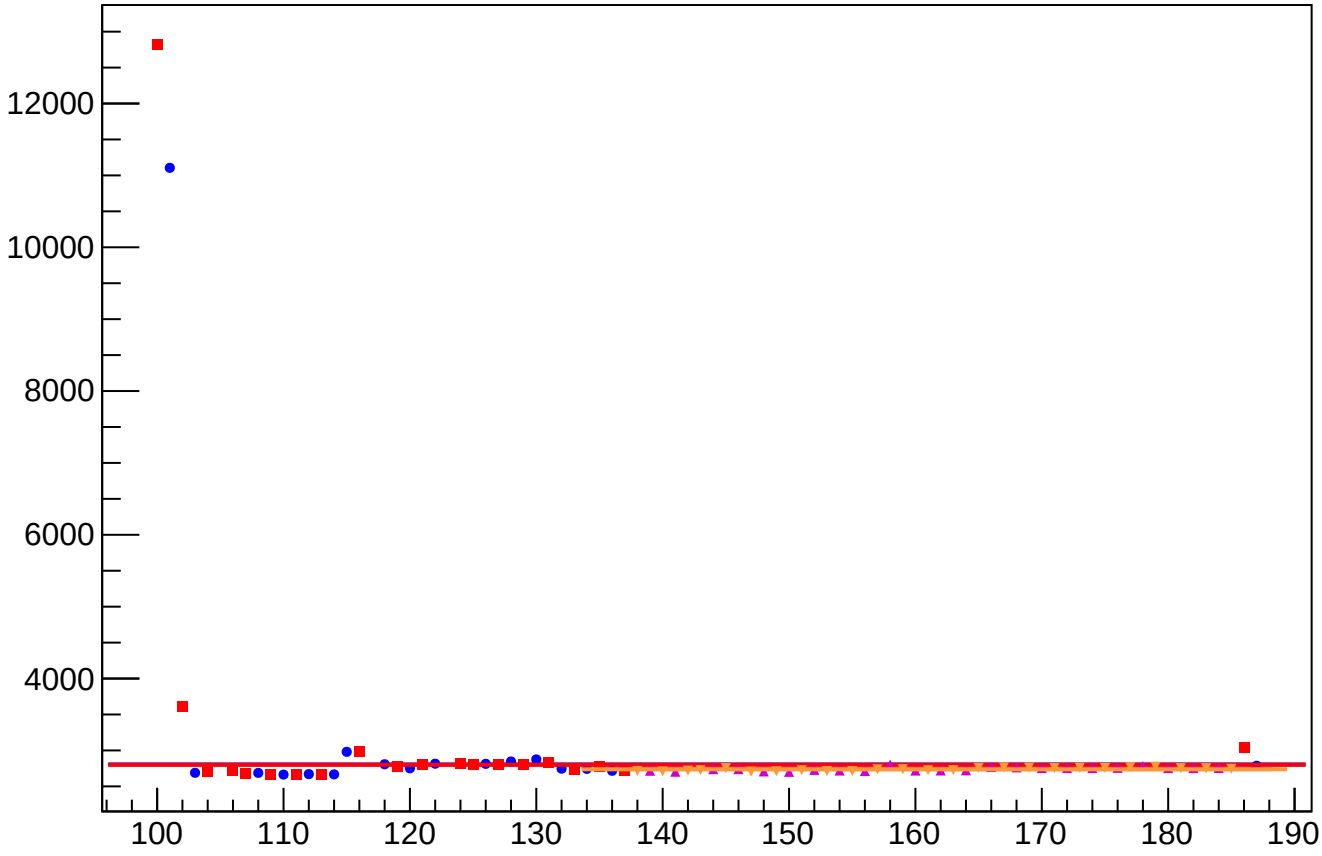
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2369.519+/-535.804 χ^2/NDF: 51.3/41

All: -35.923+/-380.573 χ^2/NDF: 135.6/84

- sign -2485.104+/-540.653 χ^2/NDF: 43.6/42

reg_asym_atr1_rms vs Slug



Right In: 2804.954+/-0.747 χ^2/NDF: 746256.2/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2800.147+/-0.715 χ^2/NDF: 152206.7/19

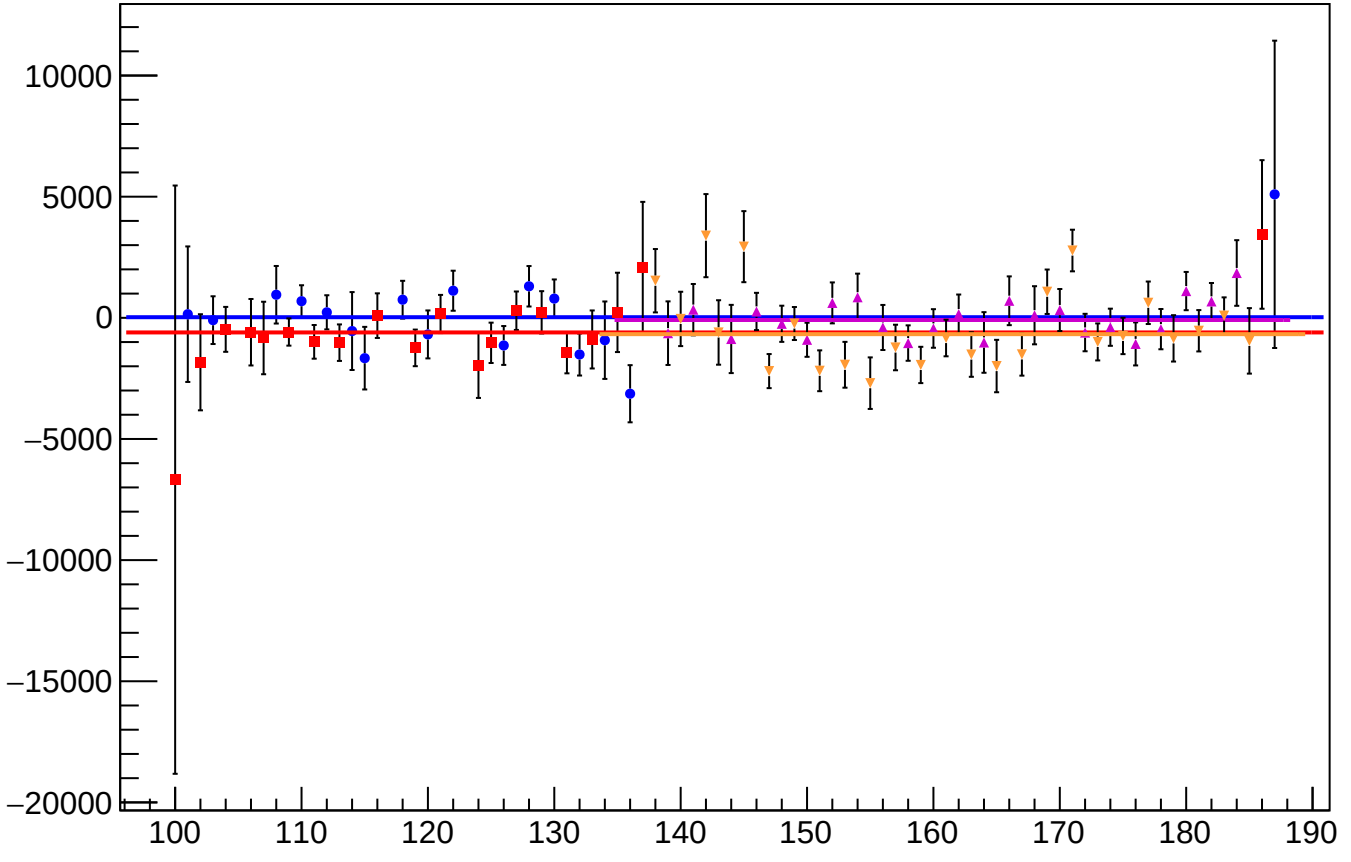
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.886+/-0.379 χ^2/NDF: 754631.6/41

All: 2755.978+/-0.269 χ^2/NDF: 915292.0/84

- sign 2757.089+/-0.382 χ^2/NDF: 160643.6/42

asym_atr1_reg_correction_mean vs Slug



Right In: 25.854+/-233.325 χ^2/NDF: 23.4/16

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -603.042+/-215.414 χ^2/NDF: 11.0/19

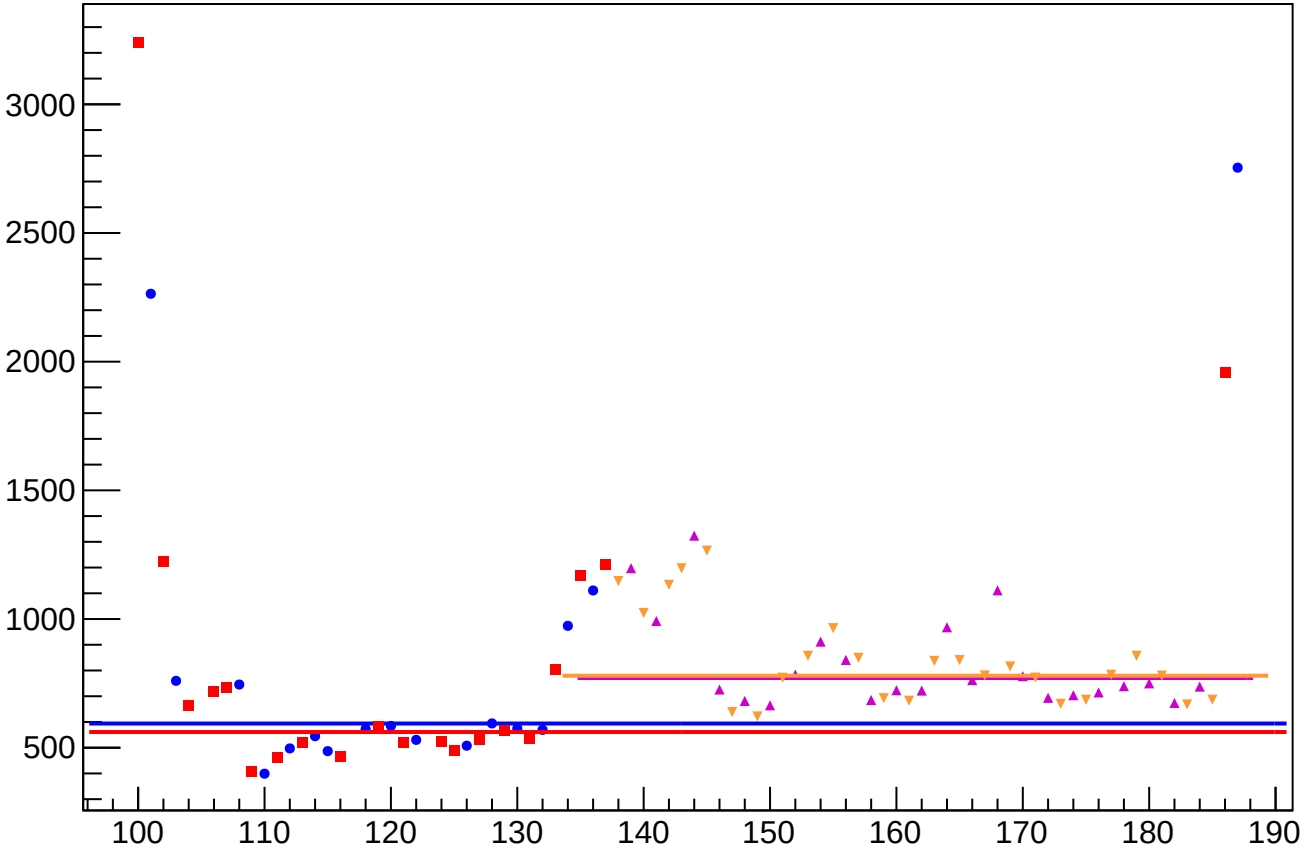
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -410.460+/-143.127 χ^2/NDF: 87.4/41

All: -356.675+/-99.967 χ^2/NDF: 116.7/84

- sign -305.446+/-139.685 χ^2/NDF: 29.1/42

asym_atr1_reg_correction_rms vs Slug



Right In: 593.968+/-0.165 χ^2/NDF: 1799951.6/16

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 560.922+/-0.152 χ^2/NDF: 1535327.1/19

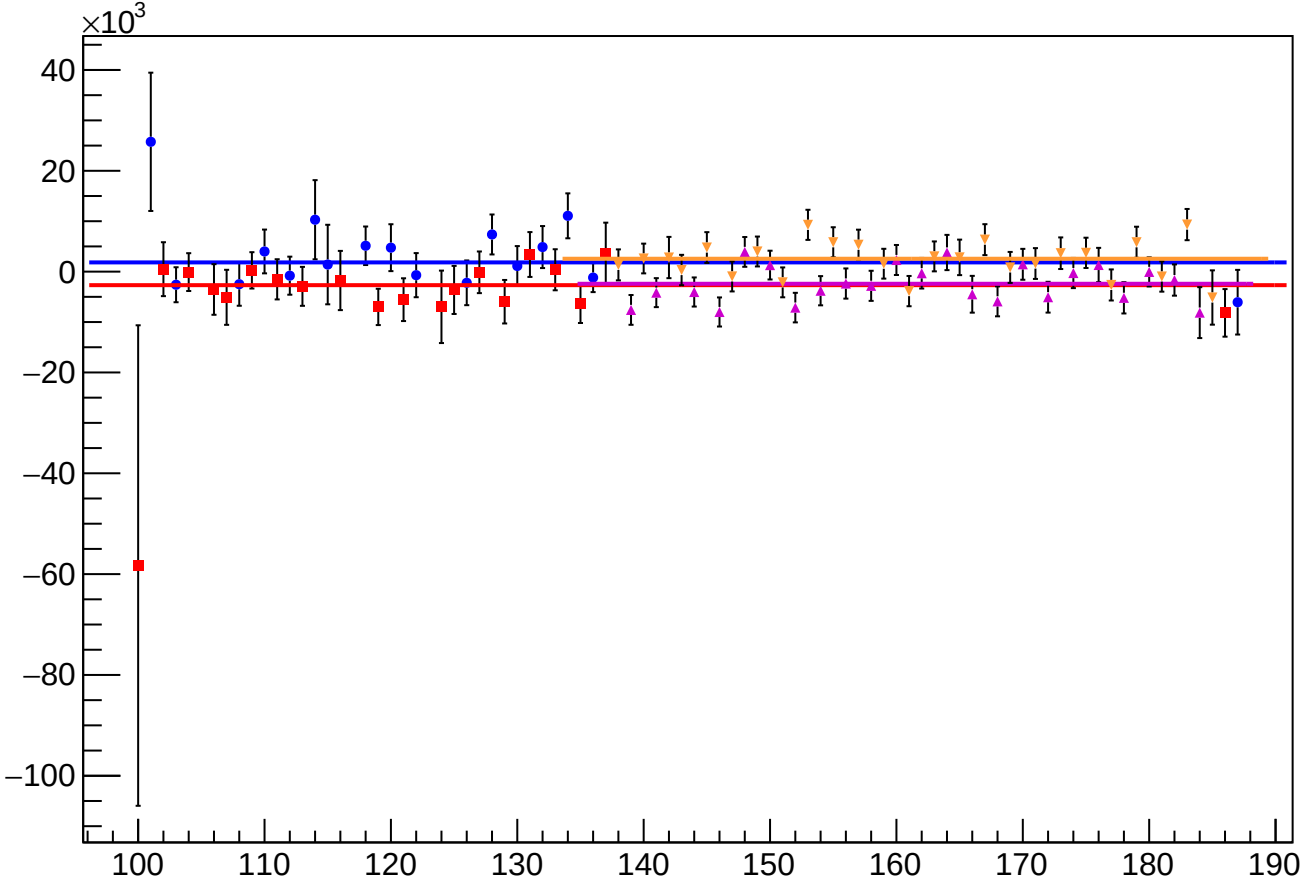
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 709.820+/-0.101 χ^2/NDF: 3834249.8/41

All: 695.852+/-0.071 χ^2/NDF: 7583301.0/84

- sign 682.547+/-0.099 χ^2/NDF: 3711856.1/42

cor_asym_atr1_mean vs Slug



Right In: 1828.783+/-1055.791 χ^2/NDF: 19.3/16

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2683.959+/-1013.625 χ^2/NDF: 12.2/19

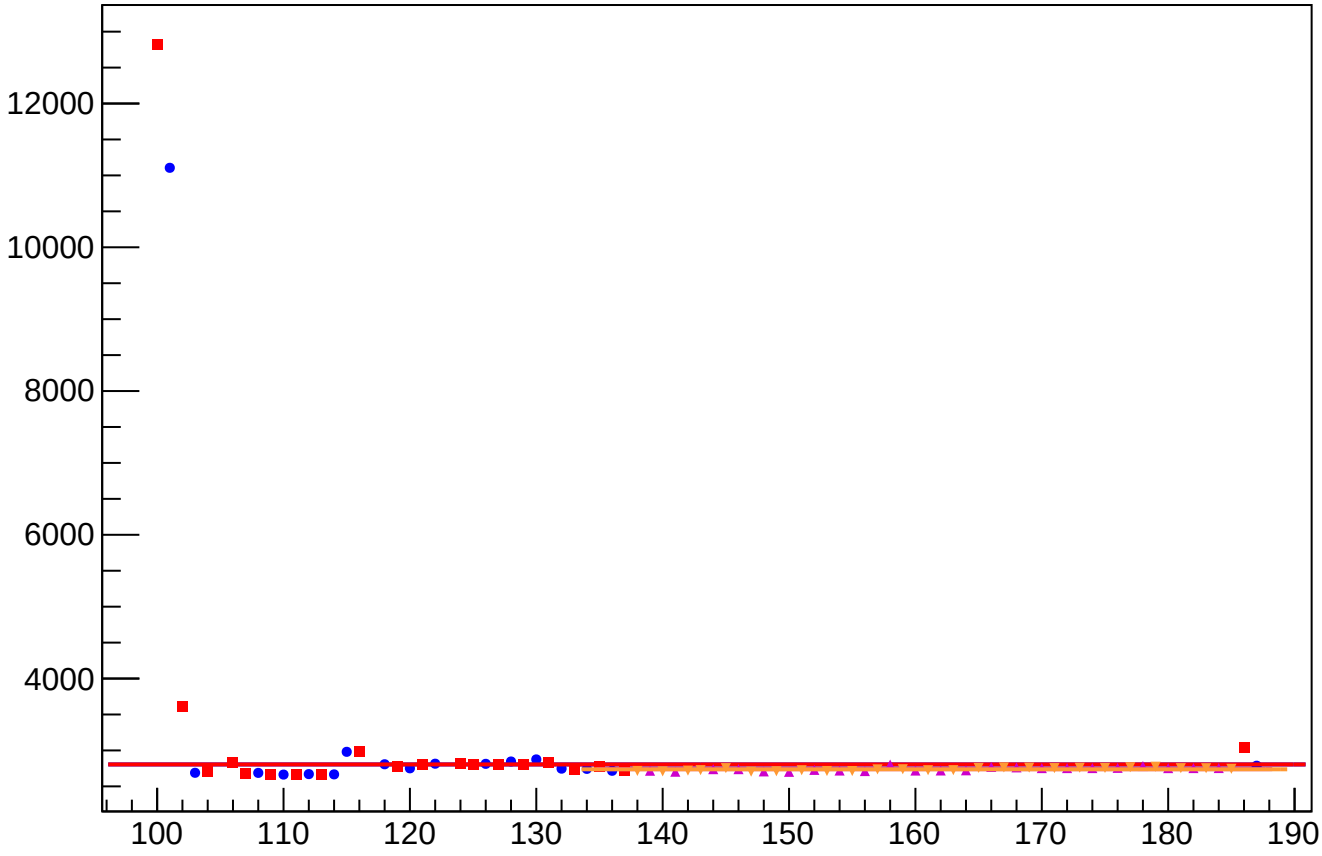
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2369.292+/-535.804 χ^2/NDF: 51.3/41

All: -35.426+/-380.691 χ^2/NDF: 135.6/84

- sign -2486.939+/-540.992 χ^2/NDF: 43.6/42

cor_asym_atr1_rms vs Slug



Right In: 2804.954+/-0.747 χ^2/NDF: 746255.3/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

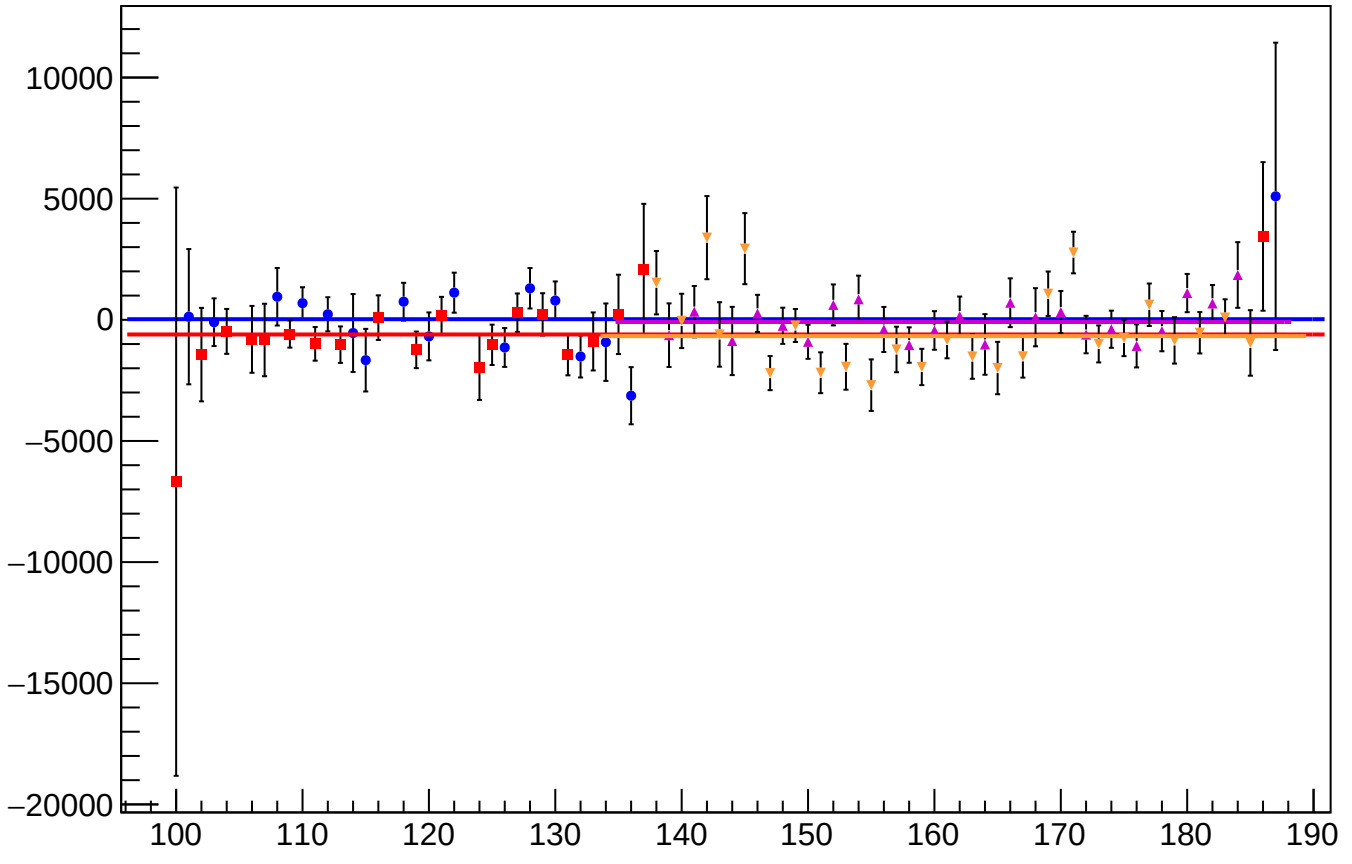
Right Out: 2805.287+/-0.717 χ^2/NDF: 151728.5/19

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.886+/-0.379 χ^2/NDF: 754630.7/41

All: 2756.676+/-0.269 χ^2/NDF: 915724.8/84

- sign 2758.500+/-0.383 χ^2/NDF: 161049.1/42



Right In: 25.812+/-233.313 χ^2/NDF: 23.4/16

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -604.152+/-215.368 χ^2/NDF: 10.8/19

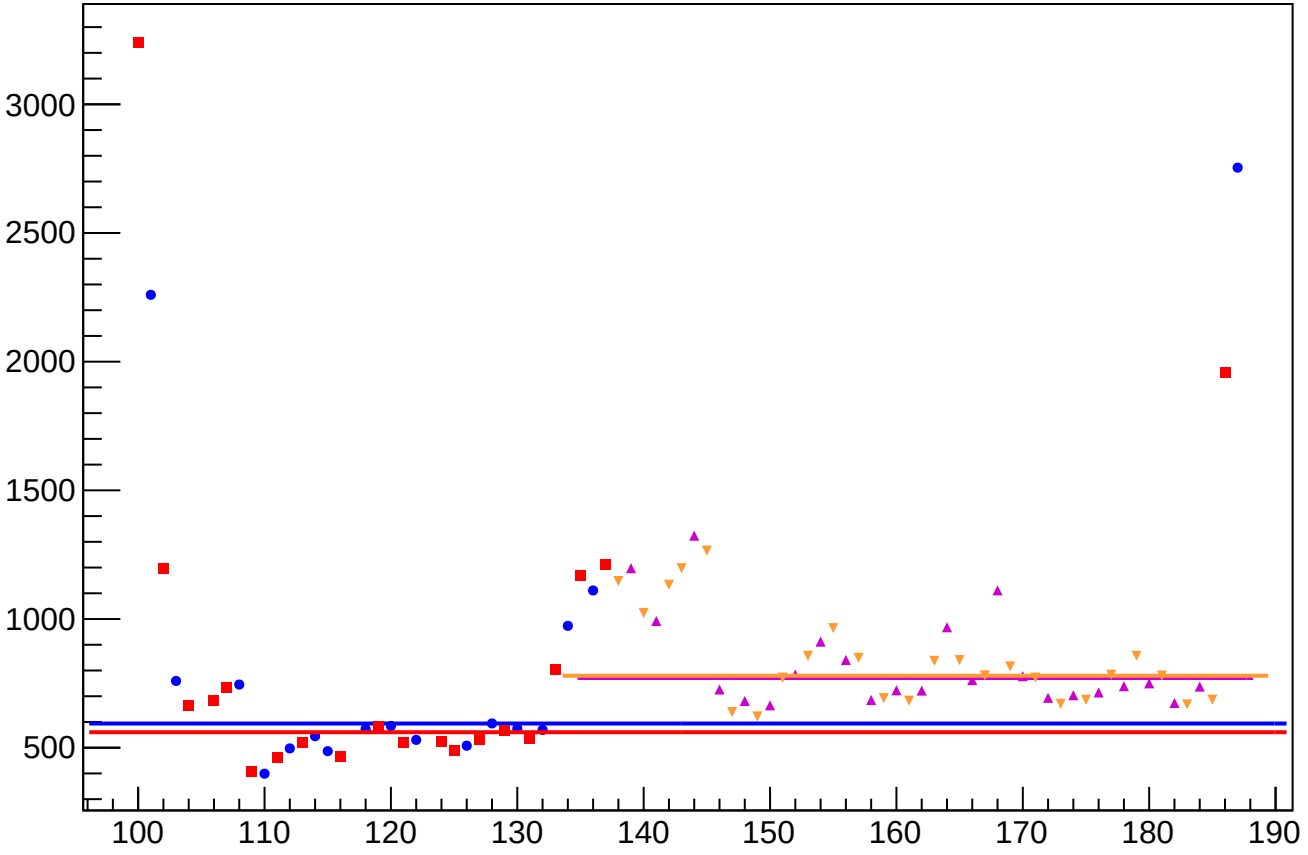
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -410.407+/-143.125 χ^2/NDF: 87.4/41

All: -356.950+/-99.961 χ^2/NDF: 116.6/84

- sign -306.040+/-139.672 χ^2/NDF: 28.9/42

asym_atr1_cor_correction_rms vs Slug



Right In: 593.966+/-0.165 χ^2/NDF: 1798924.7/16

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 560.174+/-0.152 χ^2/NDF: 1520501.4/19

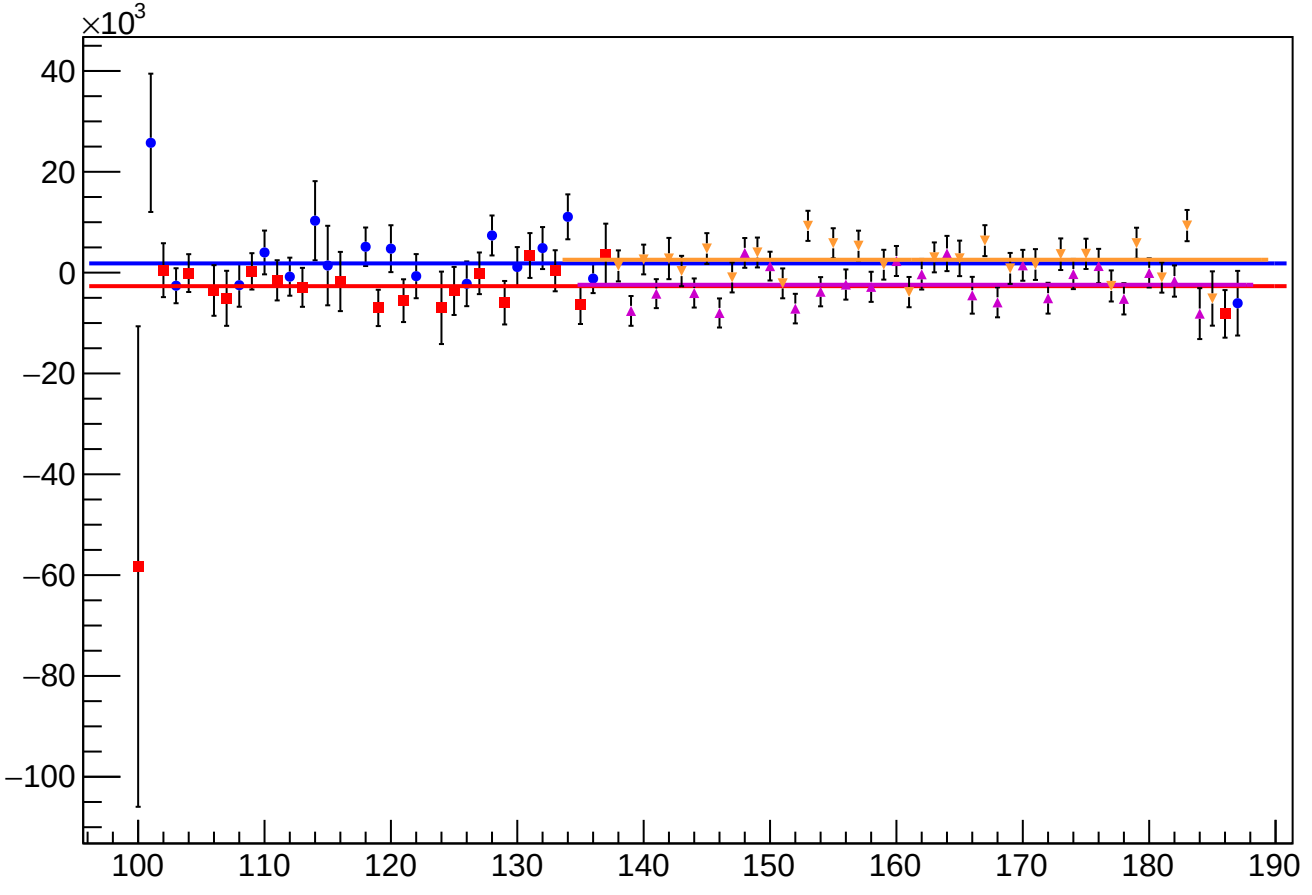
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 709.814+/-0.101 χ^2/NDF: 3833299.3/41

All: 695.676+/-0.071 χ^2/NDF: 7576535.5/84

- sign 682.212+/-0.099 χ^2/NDF: 3705135.7/42

eigen_cor_asym_atr1_mean vs Slug



Right In: 1828.783+/-1055.791 χ^2/NDF: 19.3/16

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2683.959+/-1013.625 χ^2/NDF: 12.2/19

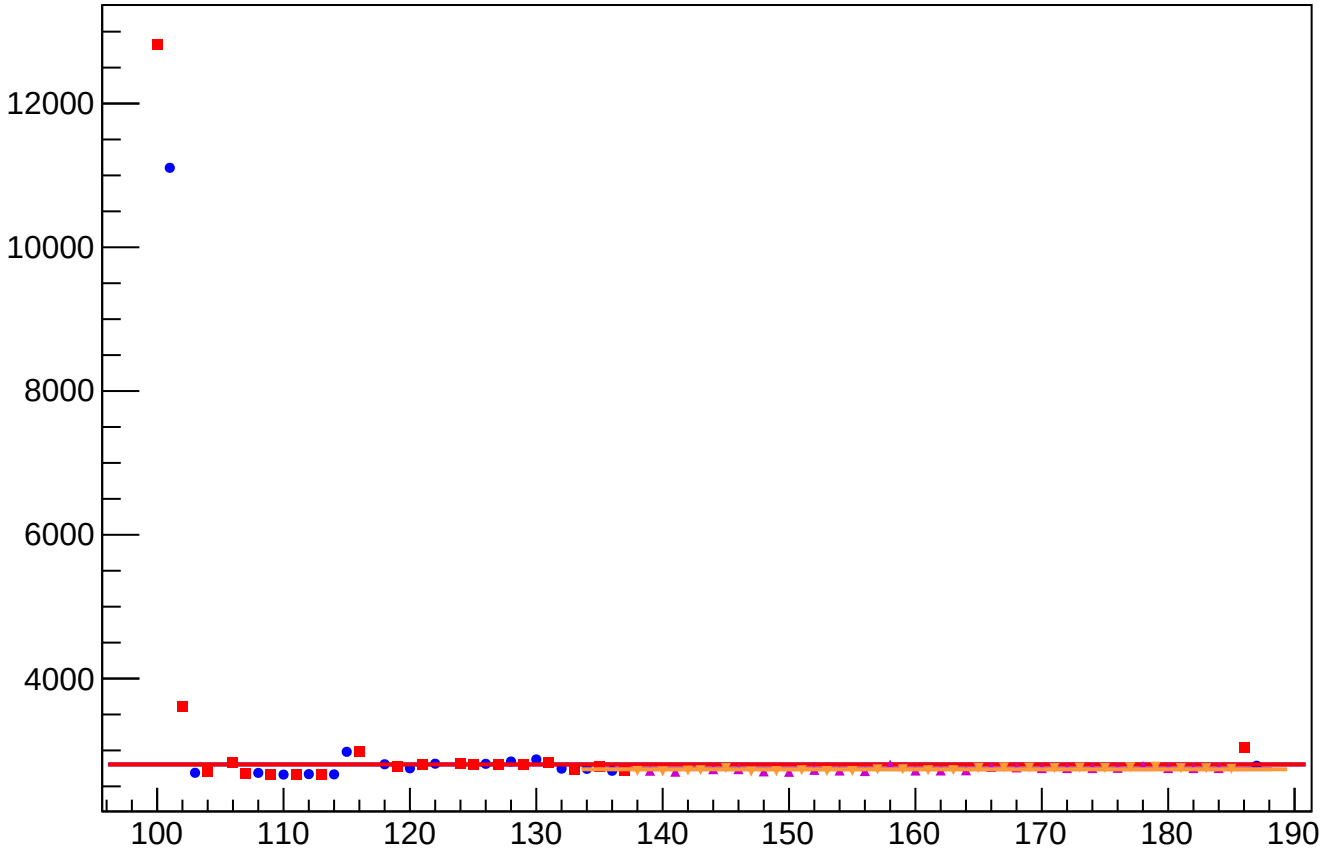
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2369.292+/-535.804 χ^2/NDF: 51.3/41

All: -35.426+/-380.691 χ^2/NDF: 135.6/84

- sign -2486.939+/-540.992 χ^2/NDF: 43.6/42

eigen_cor_asym_atr1_rms vs Slug



Right In: 2804.954+/-0.747 χ^2/NDF: 746255.3/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

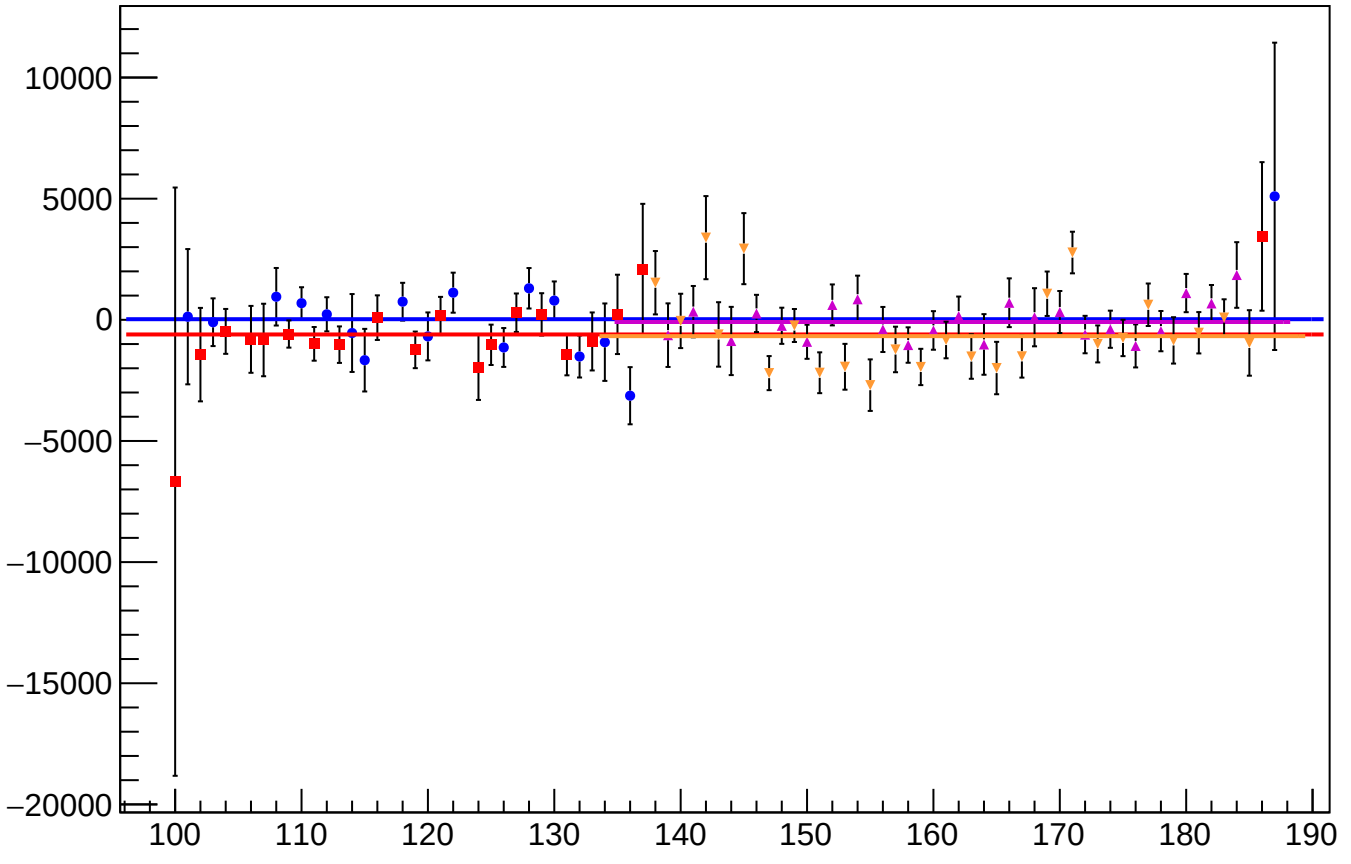
Right Out: 2805.287+/-0.717 χ^2/NDF: 151728.5/19

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2754.886+/-0.379 χ^2/NDF: 754630.7/41

All: 2756.676+/-0.269 χ^2/NDF: 915724.8/84

- sign 2758.500+/-0.383 χ^2/NDF: 161049.1/42



Right In: 25.812+/-233.313 χ^2/NDF: 23.4/16

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -604.152+/-215.368 χ^2/NDF: 10.8/19

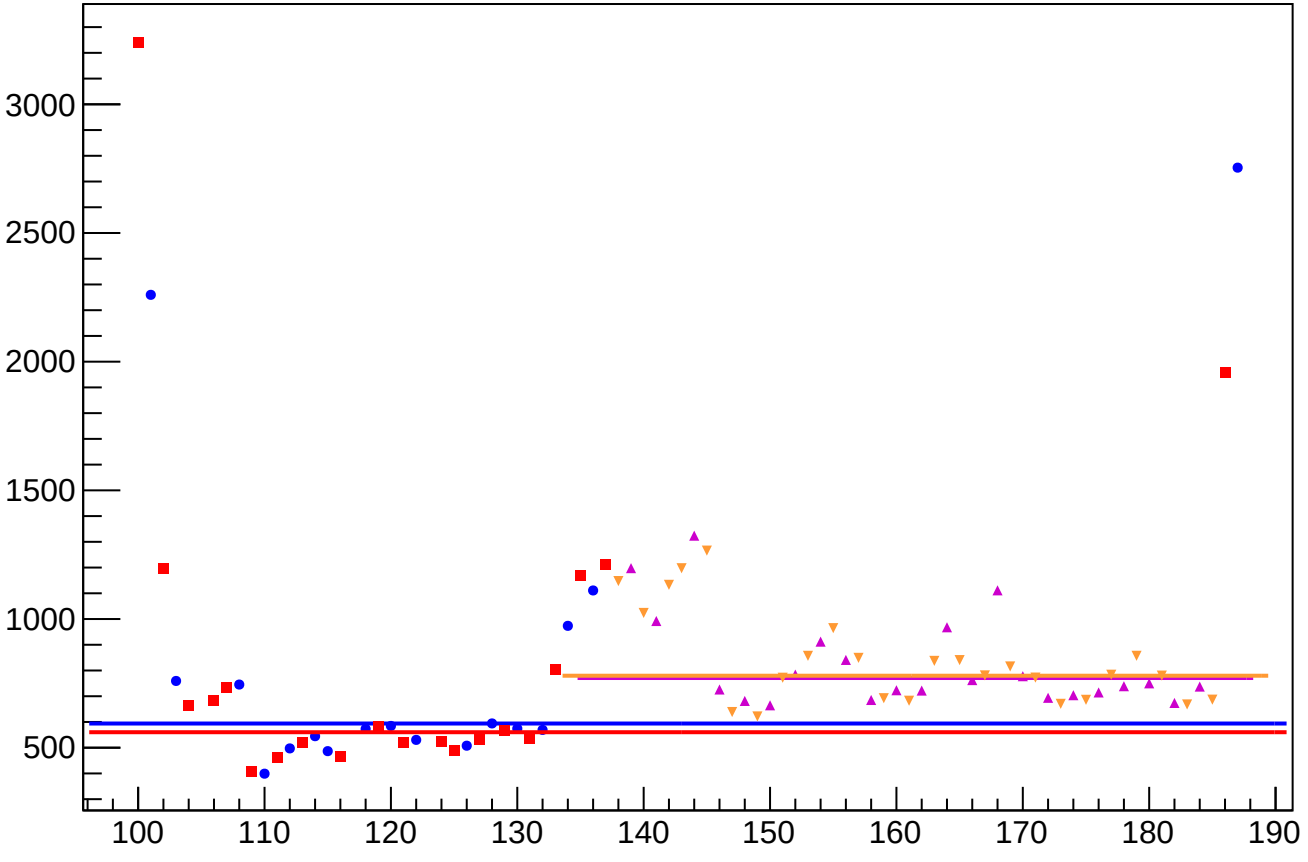
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

\+ sign -410.407+/-143.125 χ^2/NDF: 87.4/41

All: -356.950+/-99.961 χ^2/NDF: 116.6/84

\- sign -306.040+/-139.672 χ^2/NDF: 28.9/42

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 593.966+/-0.165 χ^2/NDF: 1798924.7/16

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 560.174+/-0.152 χ^2/NDF: 1520501.4/19

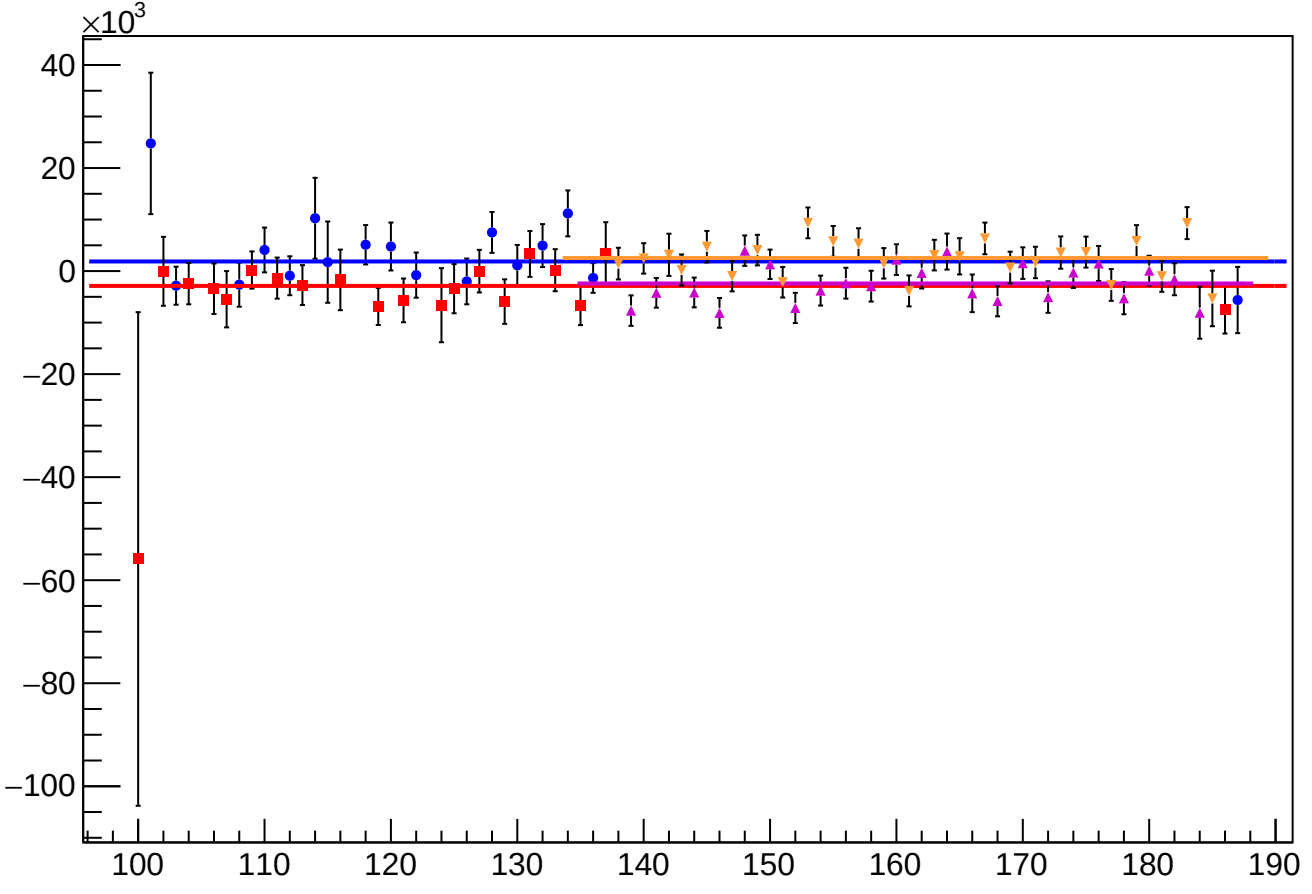
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 709.814+/-0.101 χ^2/NDF: 3833299.3/41

All: 695.676+/-0.071 χ^2/NDF: 7576535.5/84

- sign 682.212+/-0.099 χ^2/NDF: 3705135.7/42

dit_asym_atr1_mean vs Slug



Right In: 1864.770+/-1062.379 χ^2/NDF: 19.3/16

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2879.296+/-1024.957 χ^2/NDF: 10.9/19

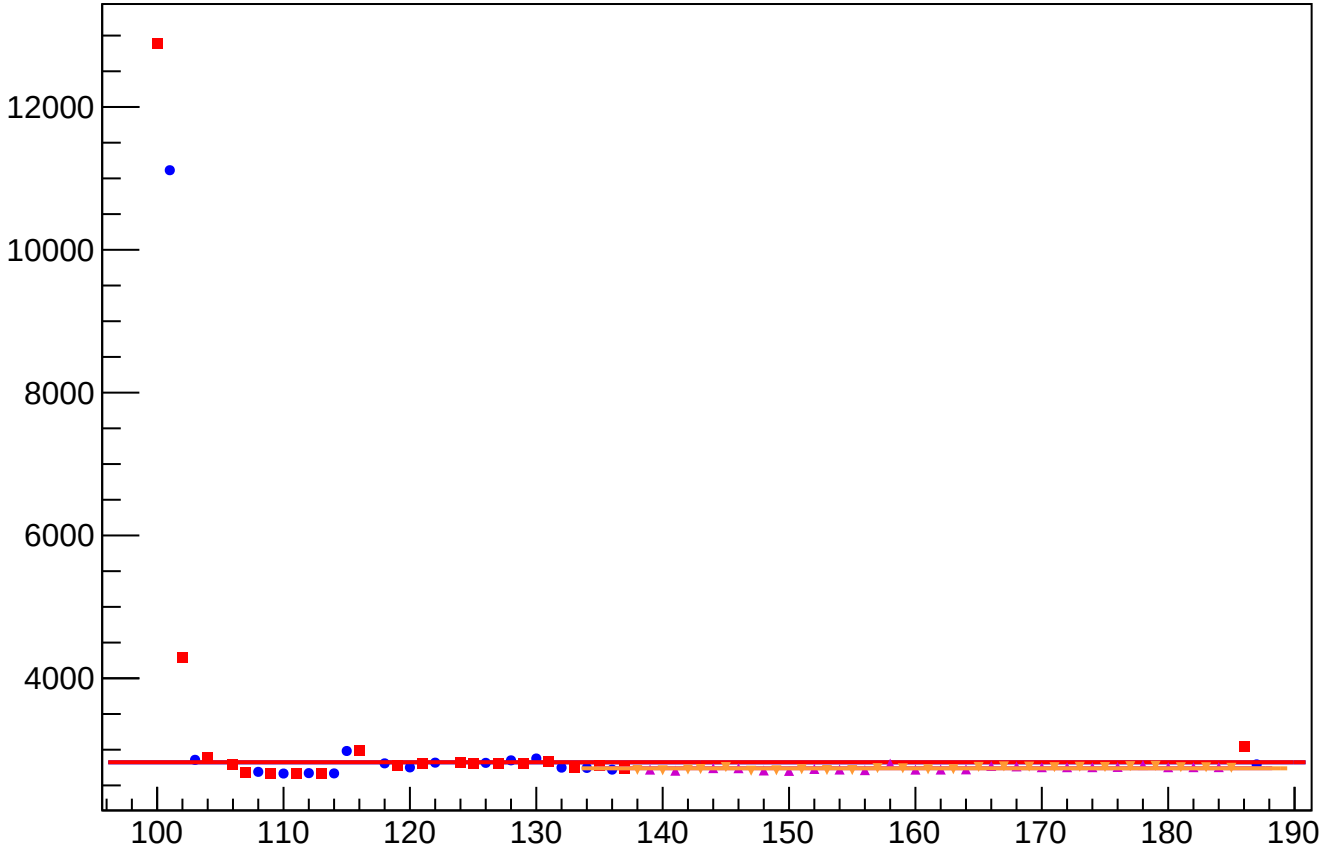
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2371.286+/-536.920 χ^2/NDF: 51.5/41

All: -56.812+/-381.761 χ^2/NDF: 135.7/84

- sign -2539.412+/-542.913 χ^2/NDF: 42.9/42

dit_asym_atr1_rms vs Slug



Right In: 2822.662+/-0.751 χ^2/NDF: 743955.1/16

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

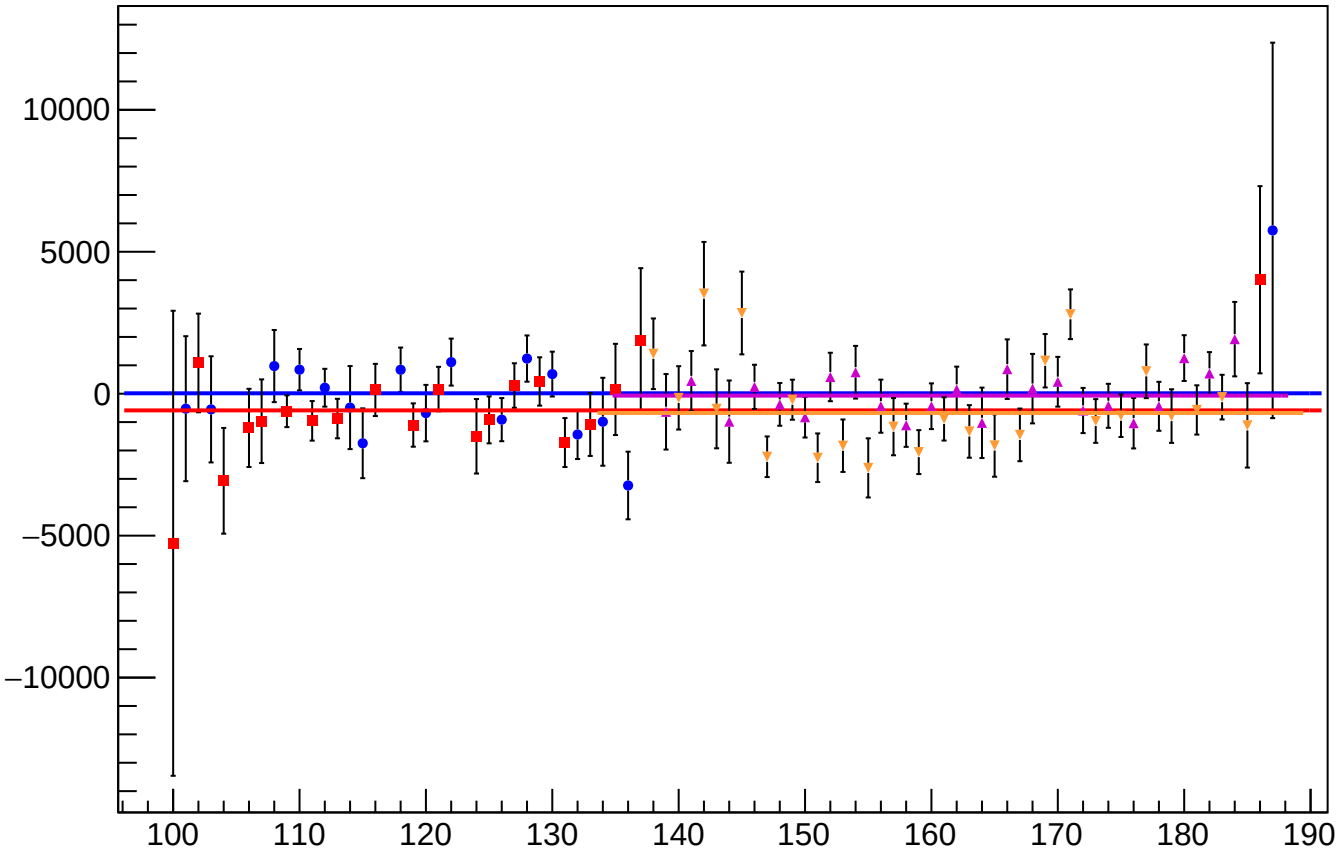
Right Out: 2824.653+/-0.725 χ^2/NDF: 205051.6/19

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.596+/-0.380 χ^2/NDF: 755445.4/41

All: 2762.651+/-0.270 χ^2/NDF: 973420.9/84

- sign 2764.752+/-0.384 χ^2/NDF: 217916.2/42



Right In: 14.447+/-237.302 χ^2/NDF: 23.6/16

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -587.693+/-216.624 χ^2/NDF: 14.1/19

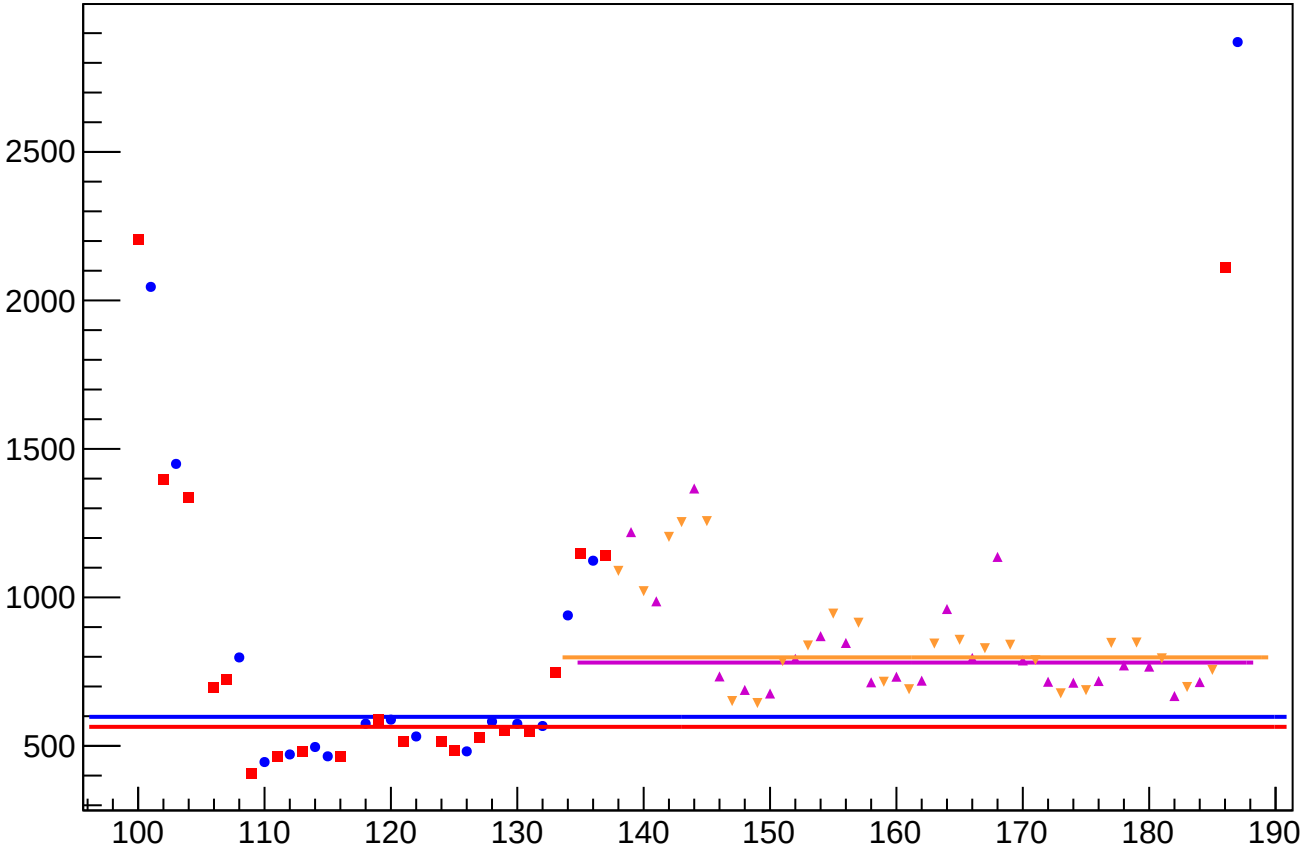
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -416.374+/-145.904 χ^2/NDF: 85.1/41

All: -349.566+/-101.343 χ^2/NDF: 118.8/84

- sign -287.287+/-140.871 χ^2/NDF: 33.3/42

asym_atr1_dit_correction_rms vs Slug



Right In: 597.787+/-0.168 χ^2/NDF: 2089091.2/16

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 564.096+/-0.153 χ^2/NDF: 2072456.4/19

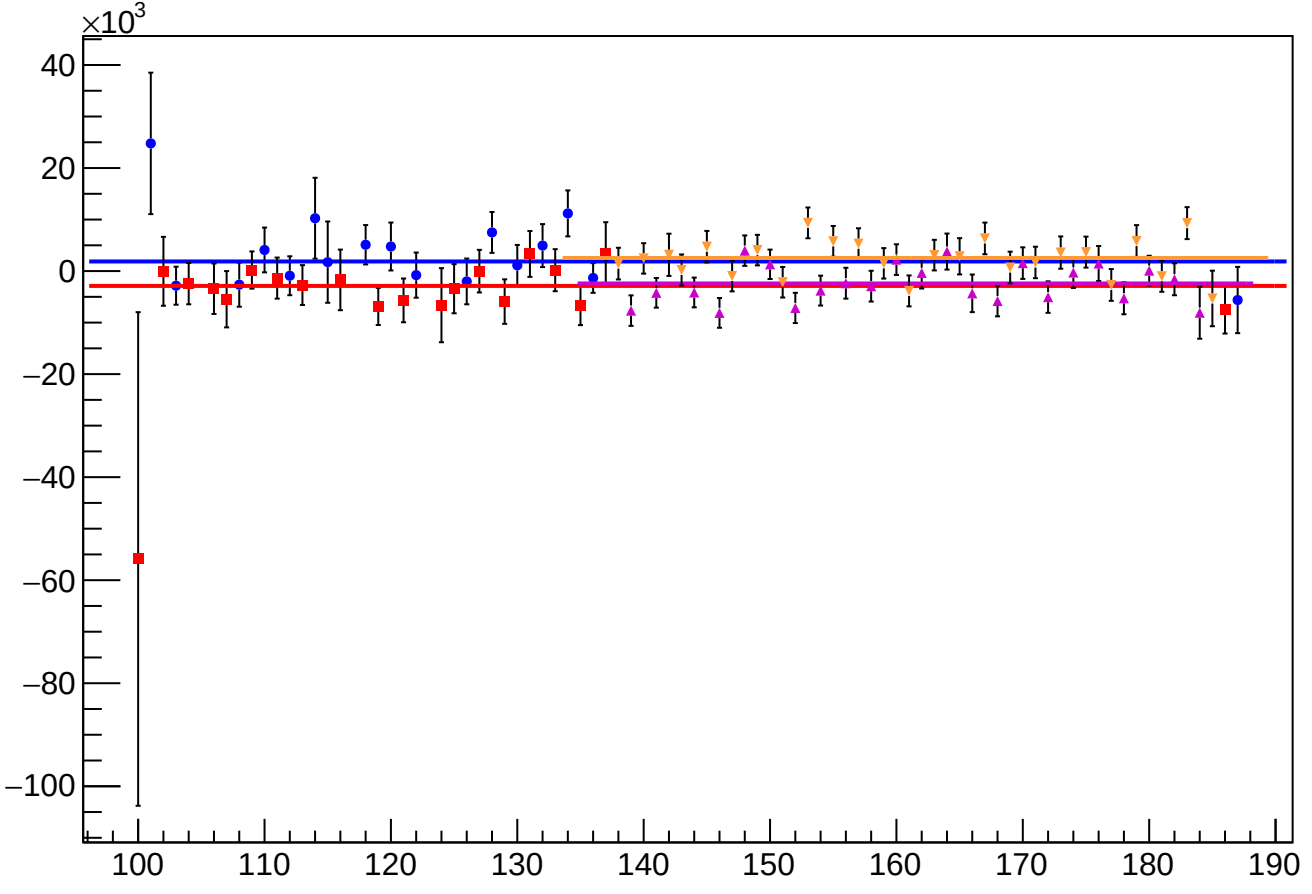
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 722.370+/-0.103 χ^2/NDF: 4143729.0/41

All: 705.099+/-0.072 χ^2/NDF: 8487302.0/84

- sign 688.999+/-0.100 χ^2/NDF: 4289424.9/42

eigen_dit_asym_atr1_mean vs Slug



Right In: 1864.769+/-1062.379 χ^2/NDF: 19.3/16

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2879.293+/-1024.957 χ^2/NDF: 10.9/19

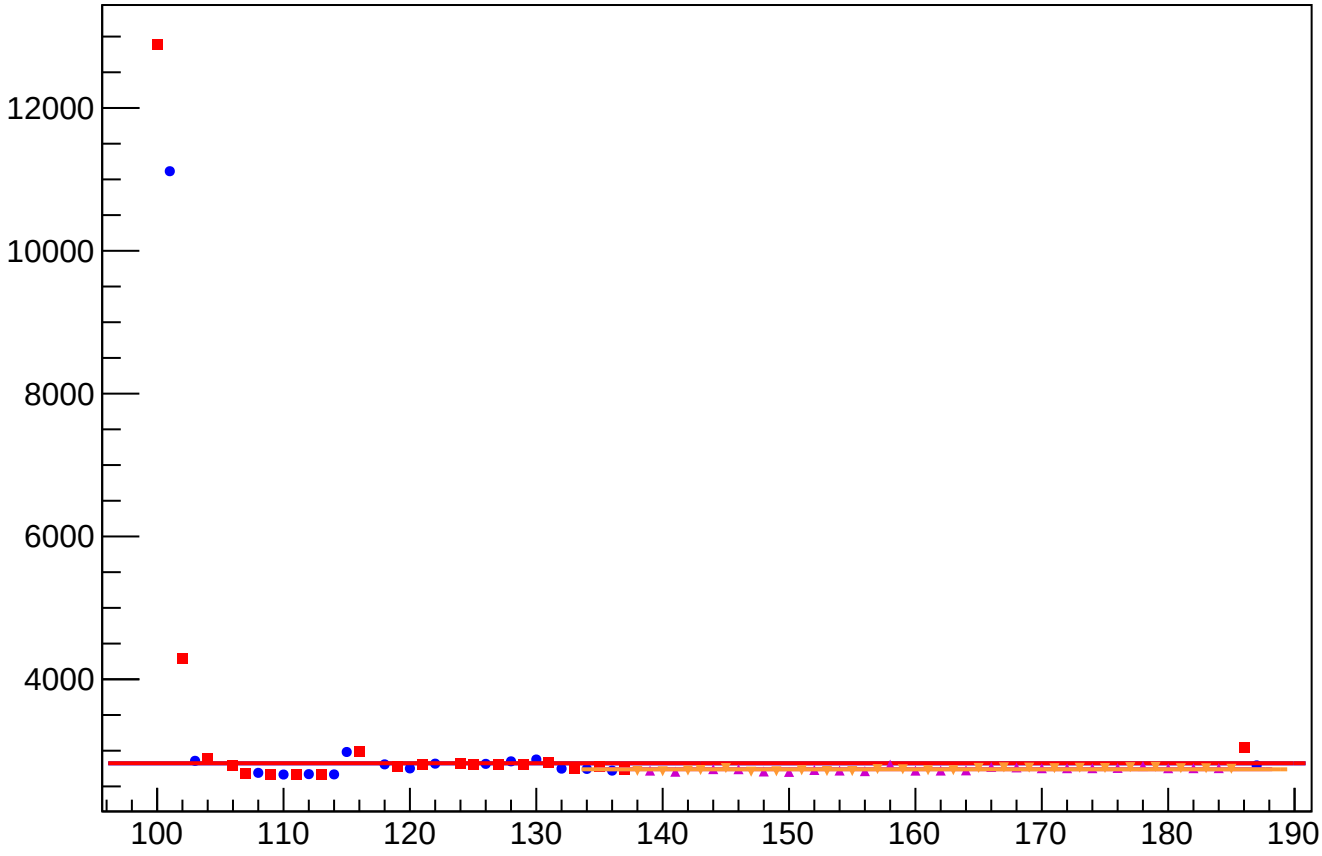
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2371.286+/-536.920 χ^2/NDF: 51.5/41

All: -56.812+/-381.761 χ^2/NDF: 135.7/84

- sign -2539.411+/-542.913 χ^2/NDF: 42.9/42

eigen_dit_asym_atr1_rms vs Slug



Right In: 2822.662+/-0.751 χ^2/NDF: 743955.1/16

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

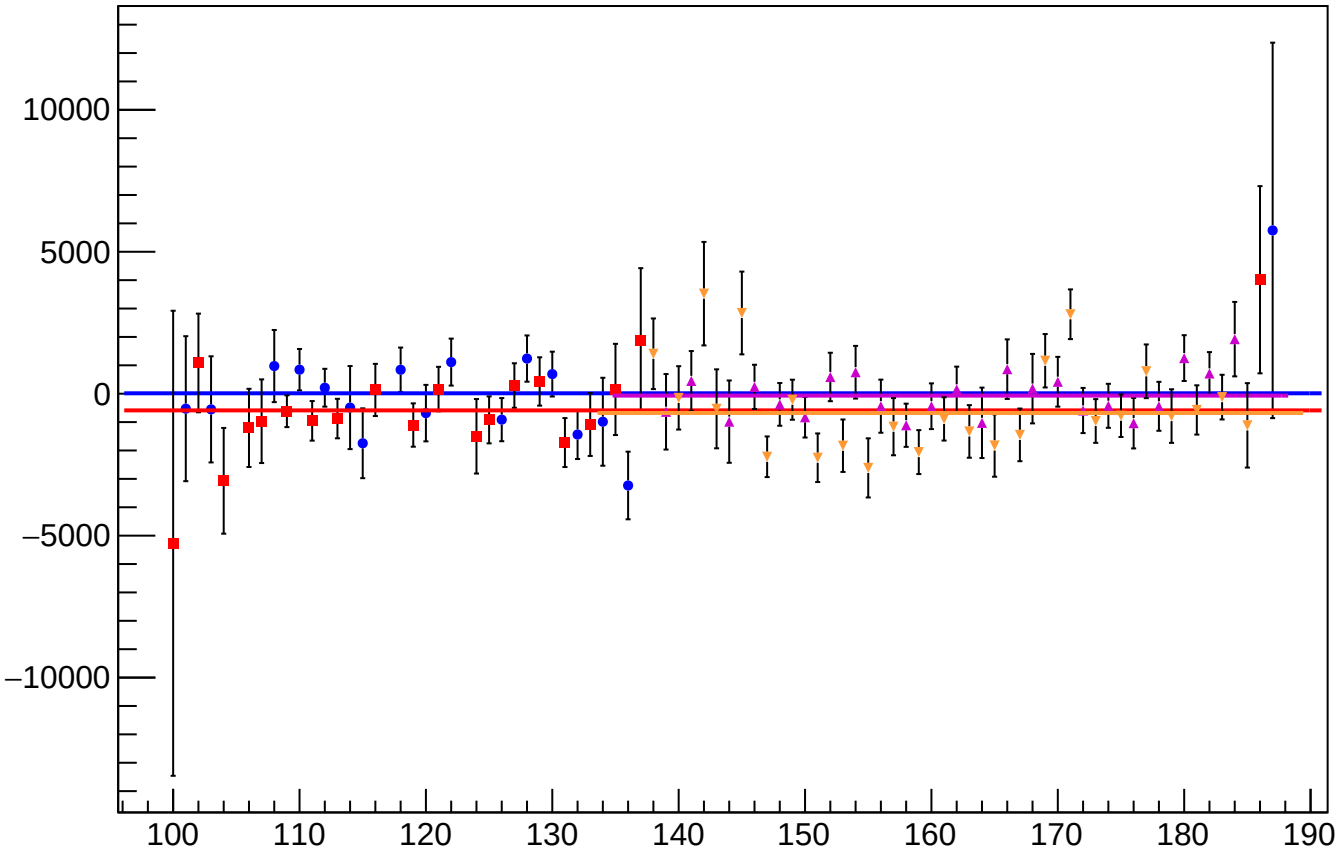
Right Out: 2824.653+/-0.725 χ^2/NDF: 205051.4/19

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2760.596+/-0.380 χ^2/NDF: 755445.4/41

All: 2762.651+/-0.270 χ^2/NDF: 973420.7/84

- sign 2764.752+/-0.384 χ^2/NDF: 217916.0/42



Right In: 14.448+/-237.302 χ^2/NDF: 23.6/16

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -587.693+/-216.624 χ^2/NDF: 14.1/19

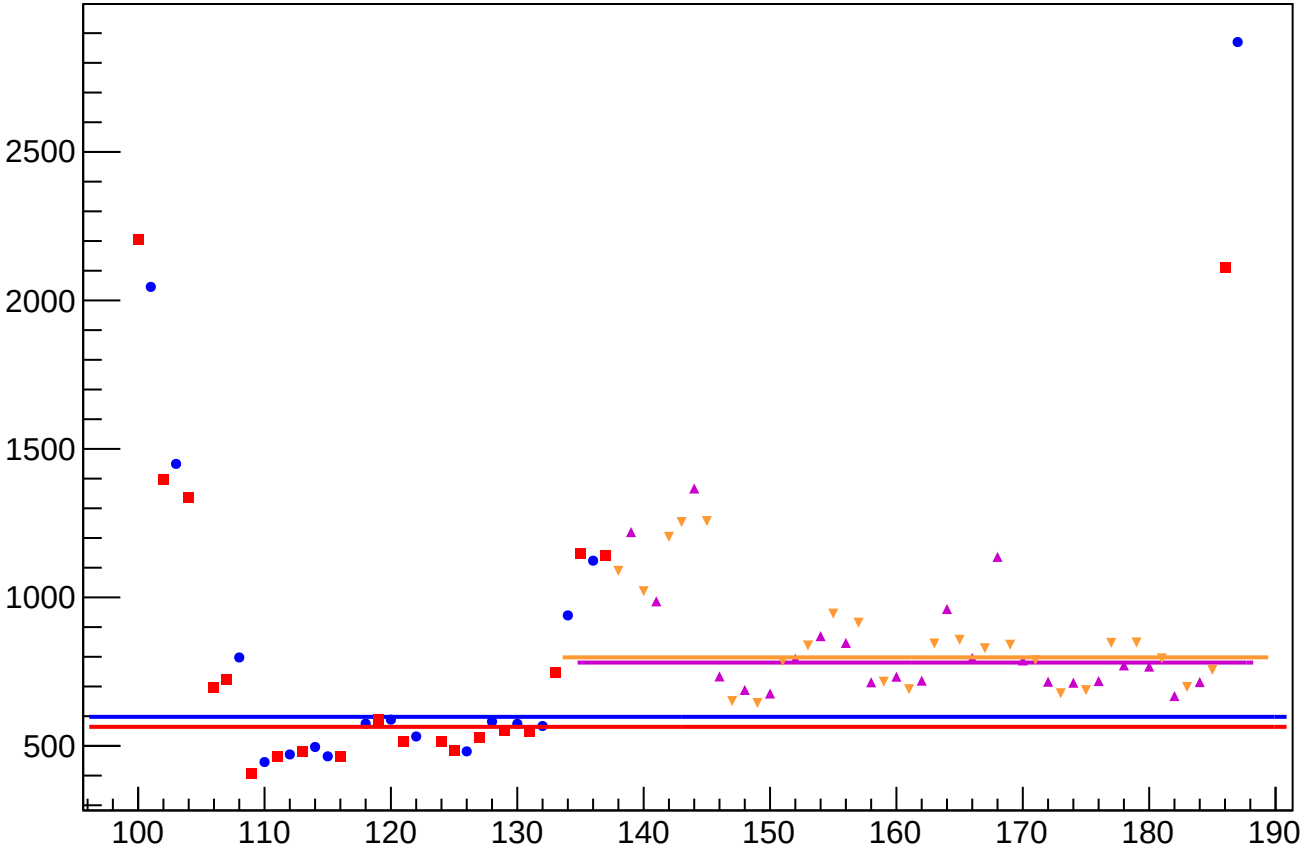
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

\+ sign -416.374+/-145.904 χ^2/NDF: 85.1/41

All: -349.566+/-101.343 χ^2/NDF: 118.8/84

\- sign -287.287+/-140.871 χ^2/NDF: 33.3/42

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 597.788+/-0.168 χ^2/NDF: 2089085.8/16

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 564.096+/-0.153 χ^2/NDF: 2072454.4/19

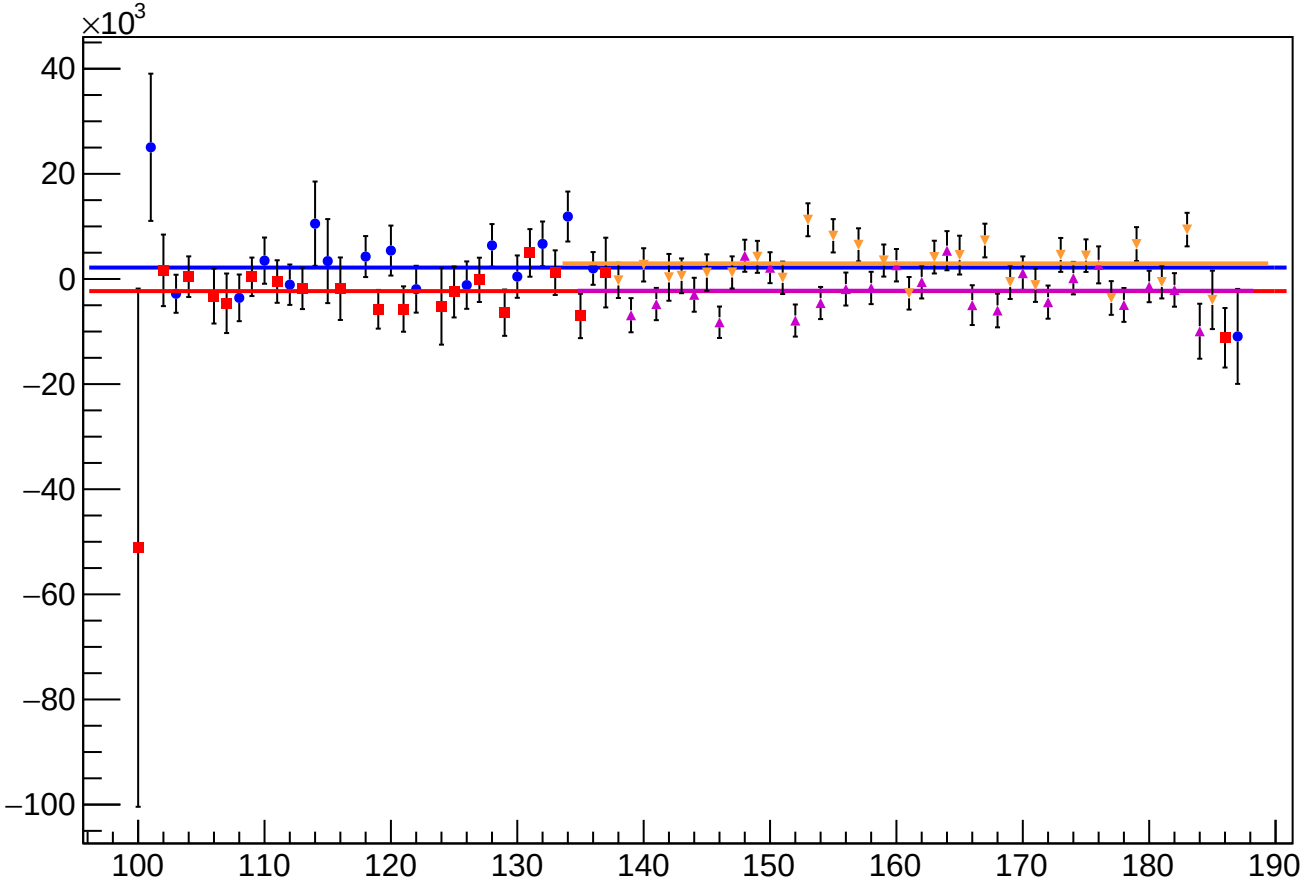
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 722.370+/-0.103 χ^2/NDF: 4143721.9/41

All: 705.099+/-0.072 χ^2/NDF: 8487293.6/84

- sign 688.999+/-0.100 χ^2/NDF: 4289422.8/42

asym_atr1_mean vs Slug



Right In: 2170.763+/-1098.001 χ^2/NDF: 19.0/16

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2307.305+/-1056.425 χ^2/NDF: 12.8/19

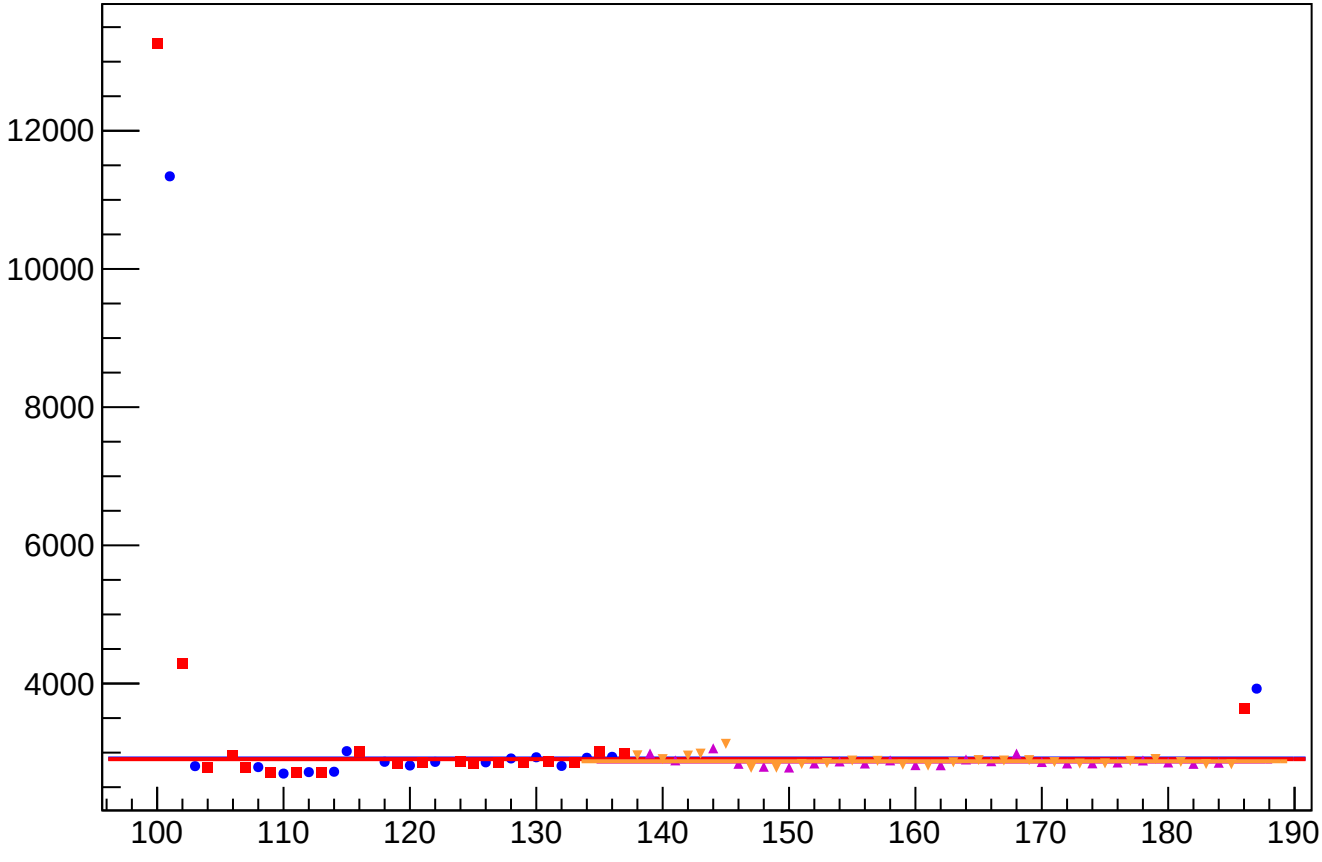
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2760.552+/-561.428 χ^2/NDF: 55.1/41

All: 271.859+/-398.596 χ^2/NDF: 141.4/84

- sign -2257.534+/-566.000 χ^2/NDF: 46.6/42

asym_atr1_rms vs Slug



Right In: 2914.987+/-0.776 χ^2/NDF: 767242.6/16

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

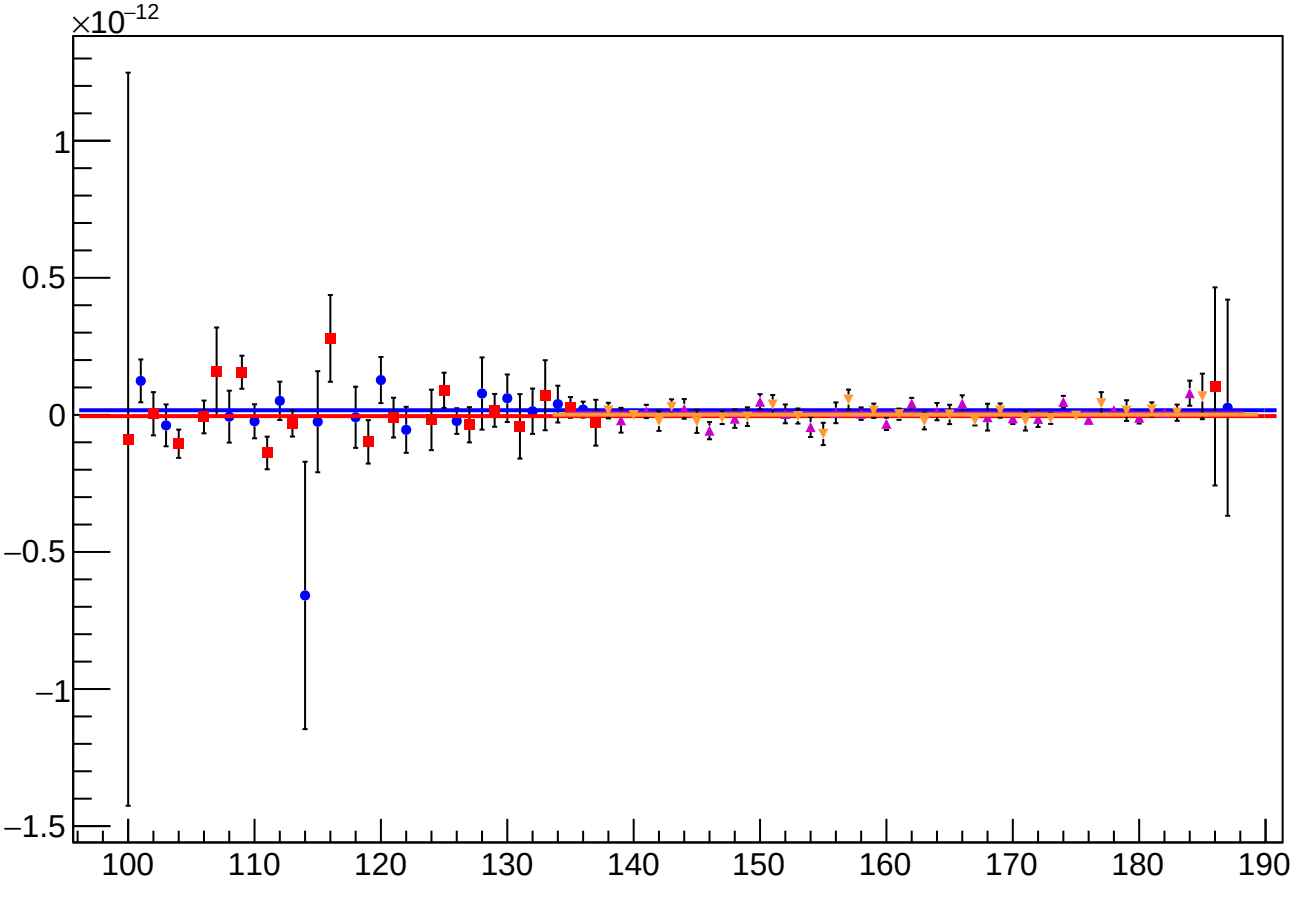
Right Out: 2905.442+/-0.747 χ^2/NDF: 228130.4/19

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2885.405+/-0.397 χ^2/NDF: 790997.0/41

All: 2882.865+/-0.282 χ^2/NDF: 1038488.6/84

- sign 2880.283+/-0.400 χ^2/NDF: 247409.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/19

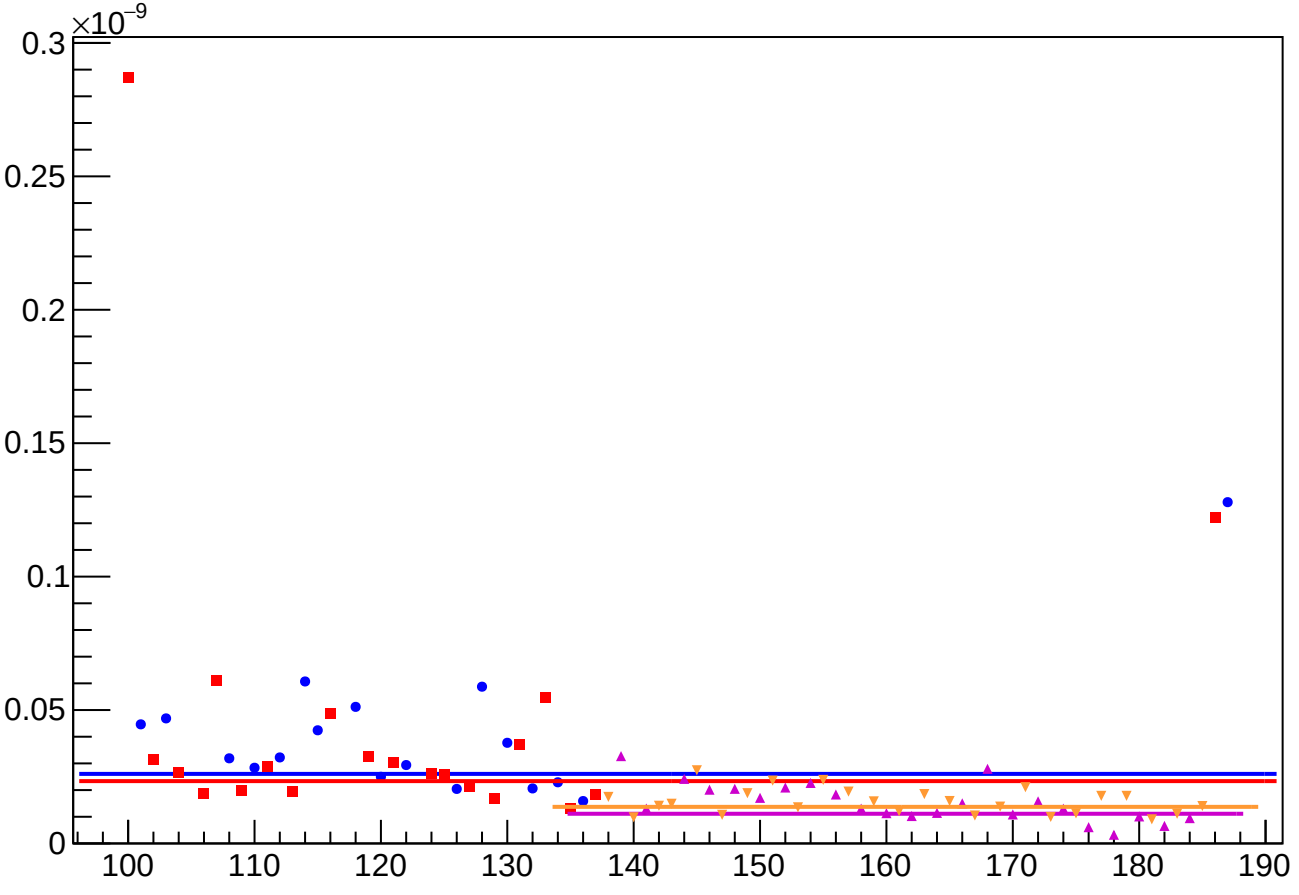
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 24.1/41

All: 0.000+/-0.000 χ^2/NDF: 78.5/84

- sign 0.000+/-0.000 χ^2/NDF: 54.2/42

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 999173.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 838497.6/19

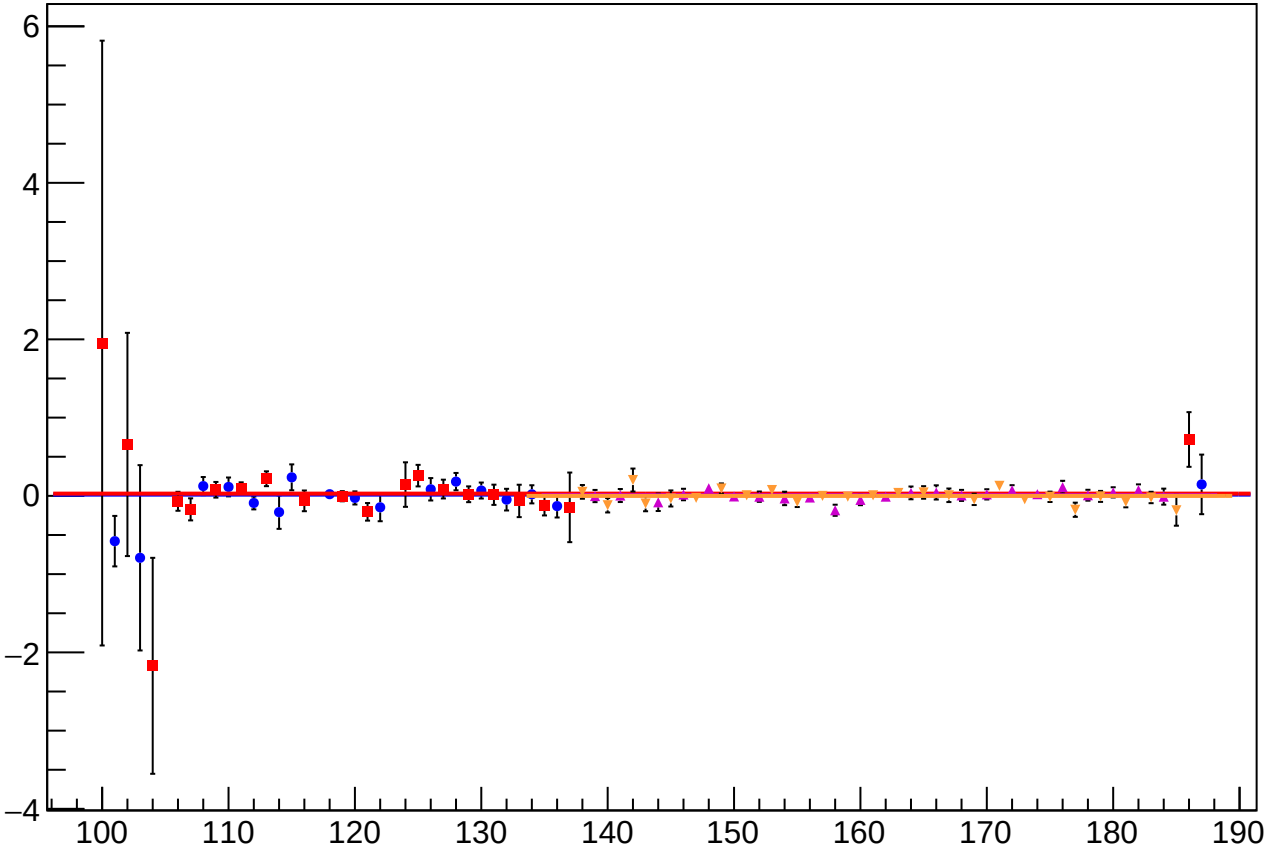
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 3182518.2/41

All: 0.000+/-0.000 χ^2/NDF: 8570495.1/84

- sign 0.000+/-0.000 χ^2/NDF: 5110985.0/42

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.029+/-0.028 χ^2/NDF: 24.7/19

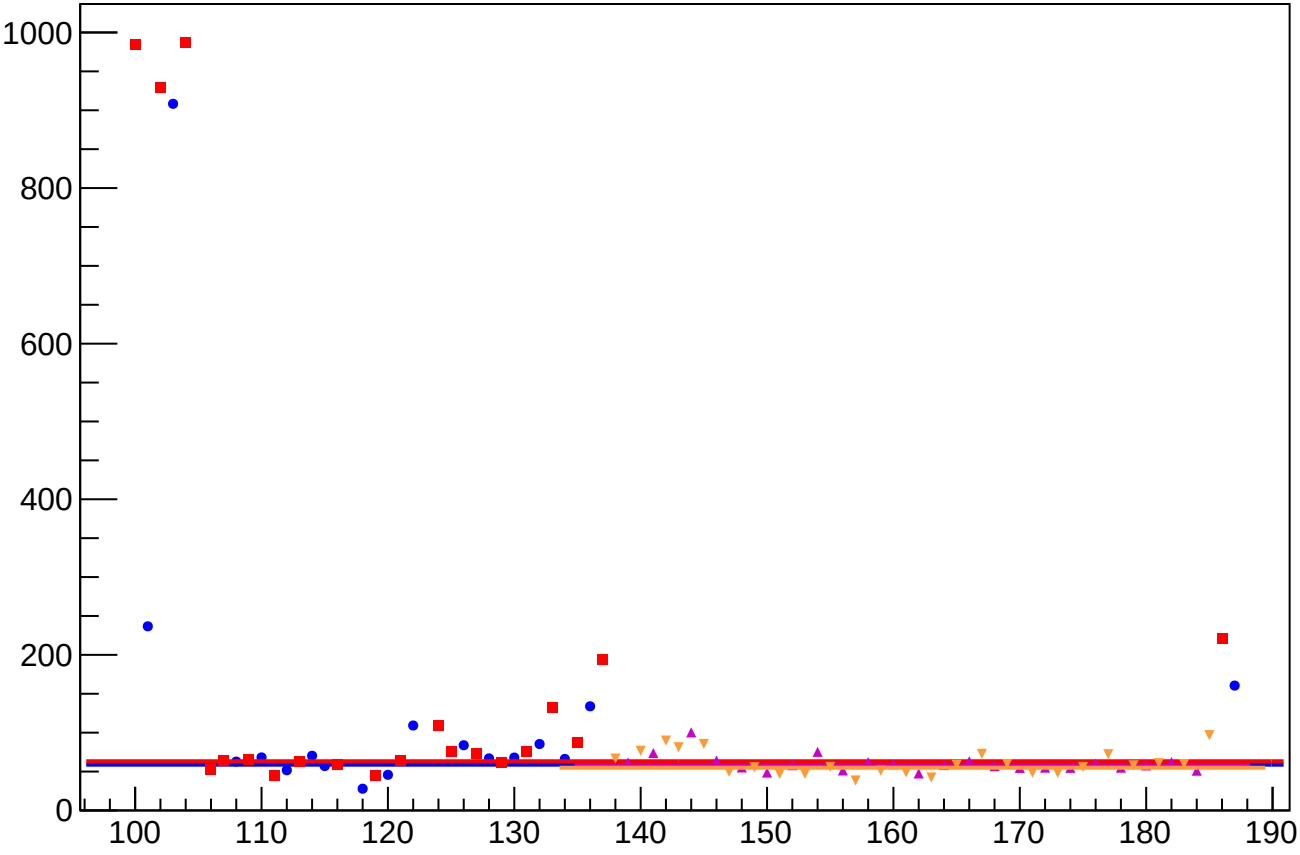
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 38.0/41

All: 0.008+/-0.009 χ^2/NDF: 79.0/84

- sign 0.013+/-0.013 χ^2/NDF: 40.7/42

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 58.856+/-0.020 χ^2/NDF: 3403735.6/16

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 63.251+/-0.020 χ^2/NDF: 3037720.4/19

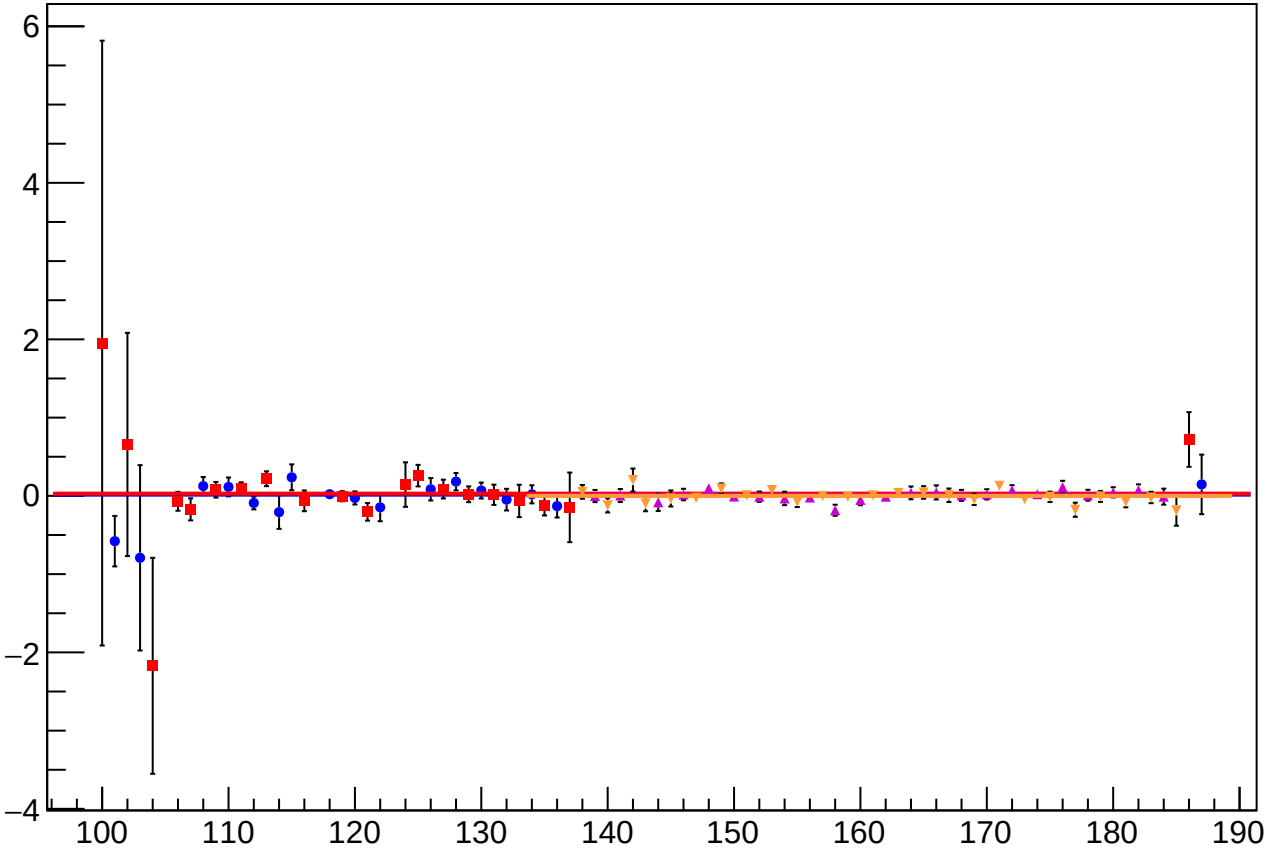
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.735+/-0.009 χ^2/NDF: 4733179.9/41

All: 57.425+/-0.006 χ^2/NDF: 8556082.7/84

- sign 59.263+/-0.009 χ^2/NDF: 3747410.1/42

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.029+/-0.028 χ^2/NDF: 24.7/19

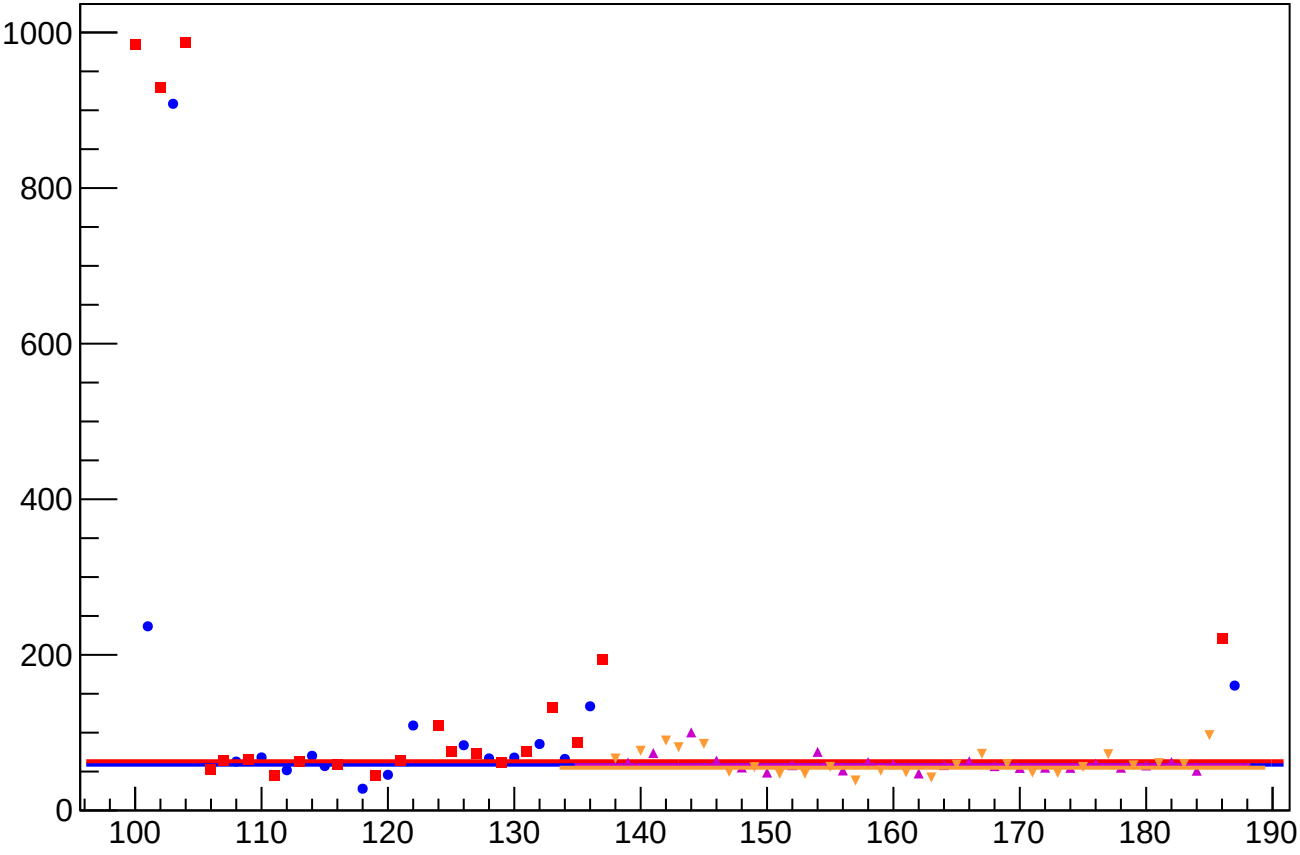
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 38.0/41

All: 0.008+/-0.009 χ^2/NDF: 79.0/84

- sign 0.013+/-0.013 χ^2/NDF: 40.7/42

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.856+/-0.020 χ^2/NDF: 3403735.6/16

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

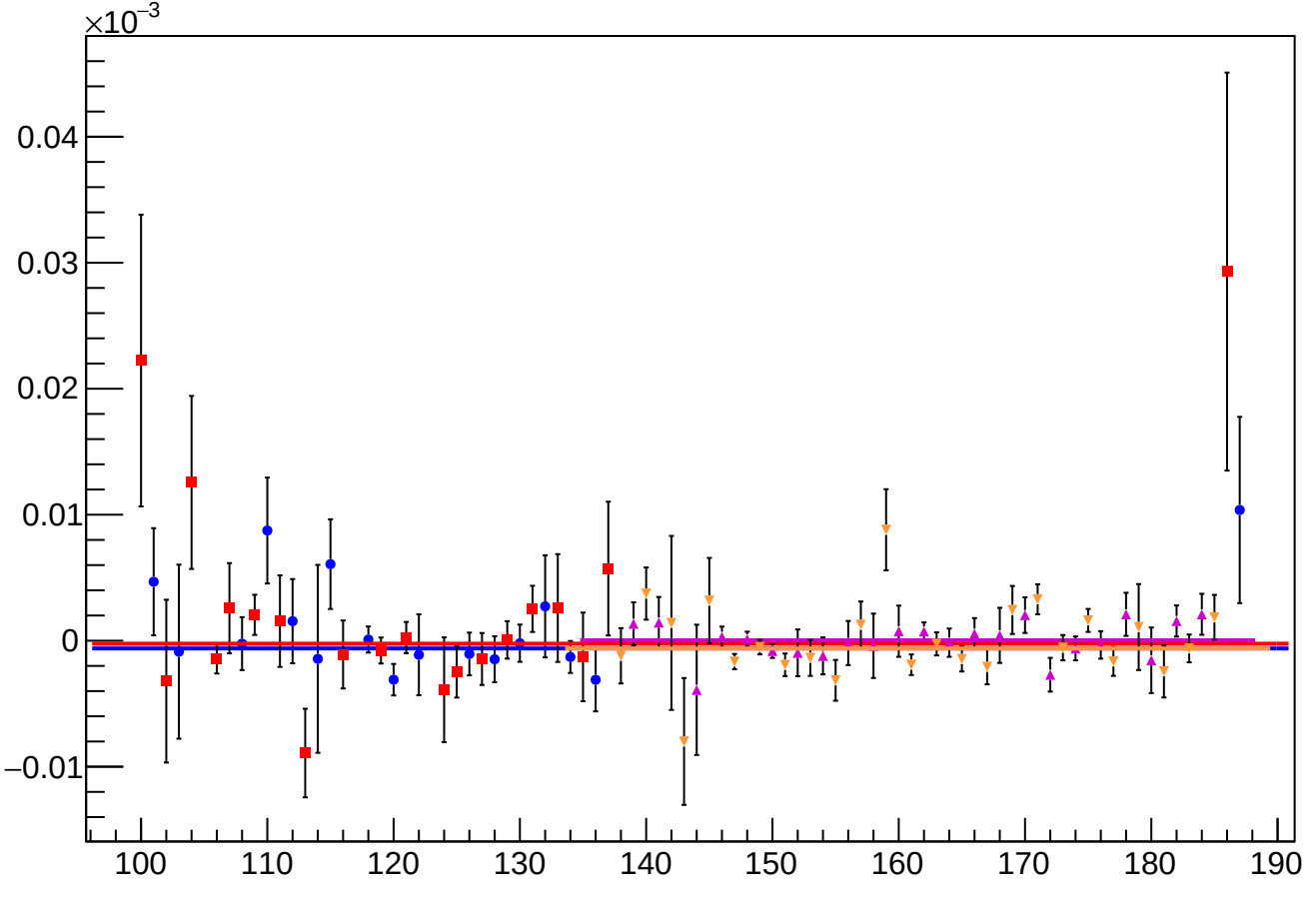
Right Out: 63.251+/-0.020 χ^2/NDF: 3037720.4/19

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 55.735+/-0.009 χ^2/NDF: 4733179.9/41

All: 57.425+/-0.006 χ^2/NDF: 8556082.7/84

- sign 59.263+/-0.009 χ^2/NDF: 3747410.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/19

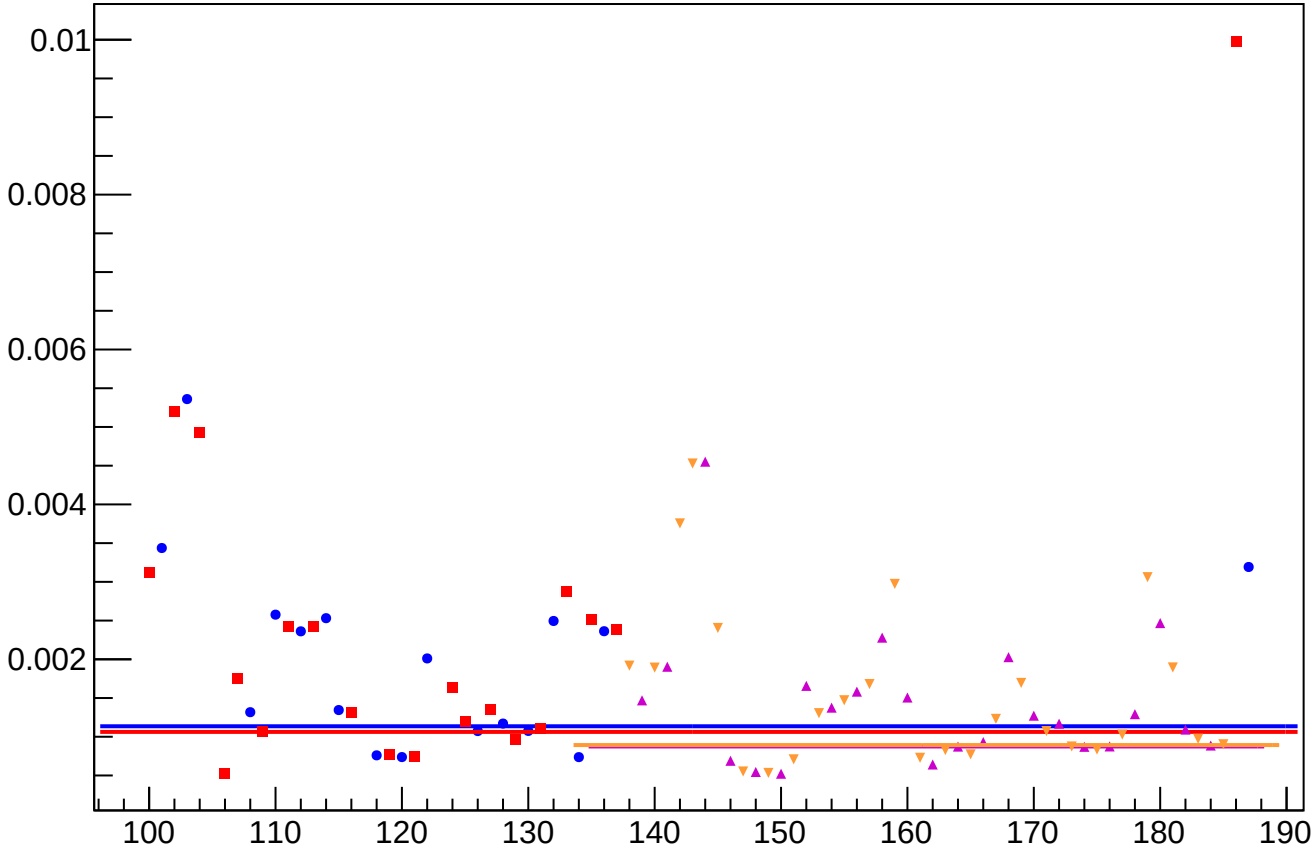
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/41

All: -0.000+/-0.000 χ^2/NDF: 122.7/84

- sign -0.000+/-0.000 χ^2/NDF: 46.5/42

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3608610.8/16

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4486045.3/19

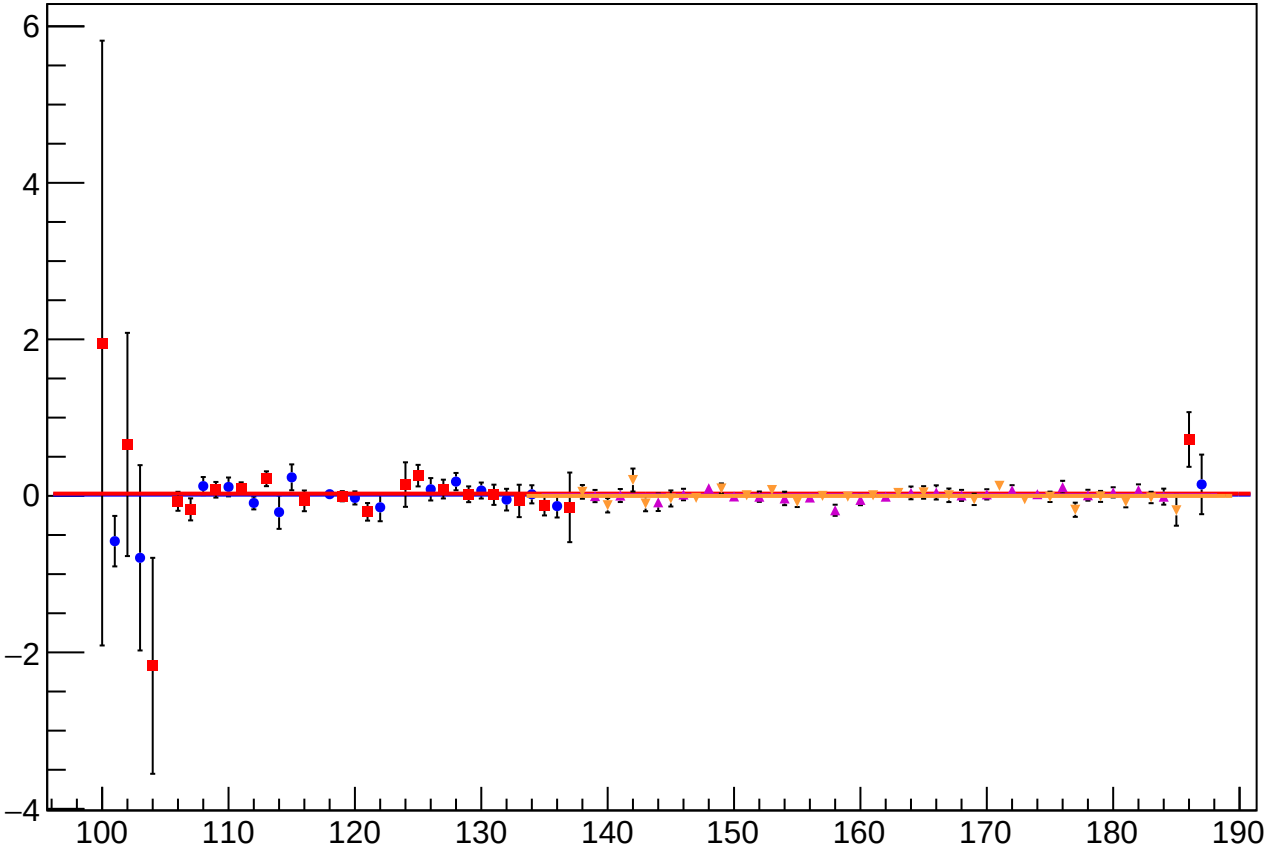
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 11748498.7/41

All: 0.001+/-0.000 χ^2/NDF: 23472466.4/84

- sign 0.001+/-0.000 χ^2/NDF: 11710497.1/42

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.029+/-0.028 χ^2/NDF: 24.7/19

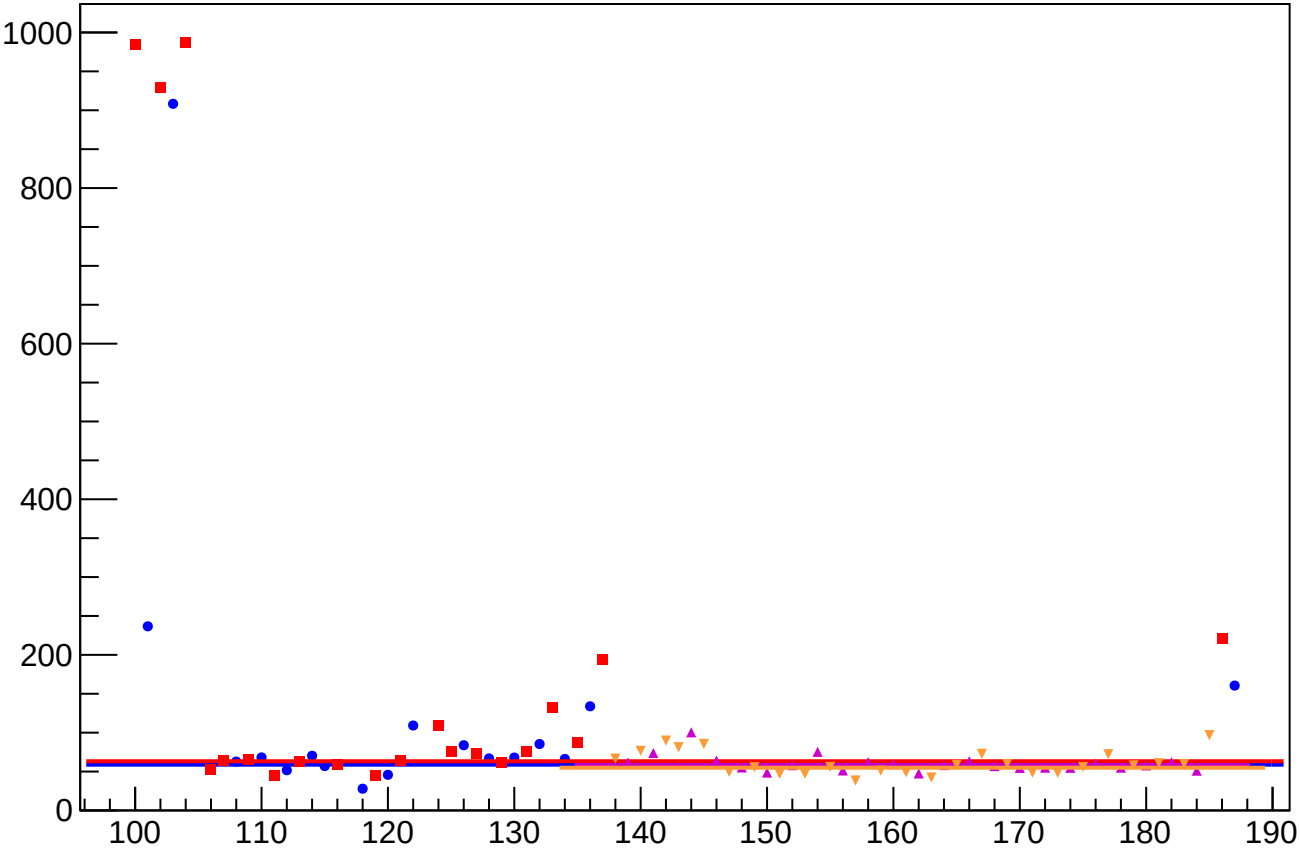
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 38.0/41

All: 0.008+/-0.009 χ^2/NDF: 79.0/84

- sign 0.013+/-0.013 χ^2/NDF: 40.7/42

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 58.855+/-0.020 χ^2/NDF: 3403820.7/16

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 63.251+/-0.020 χ^2/NDF: 3037725.9/19

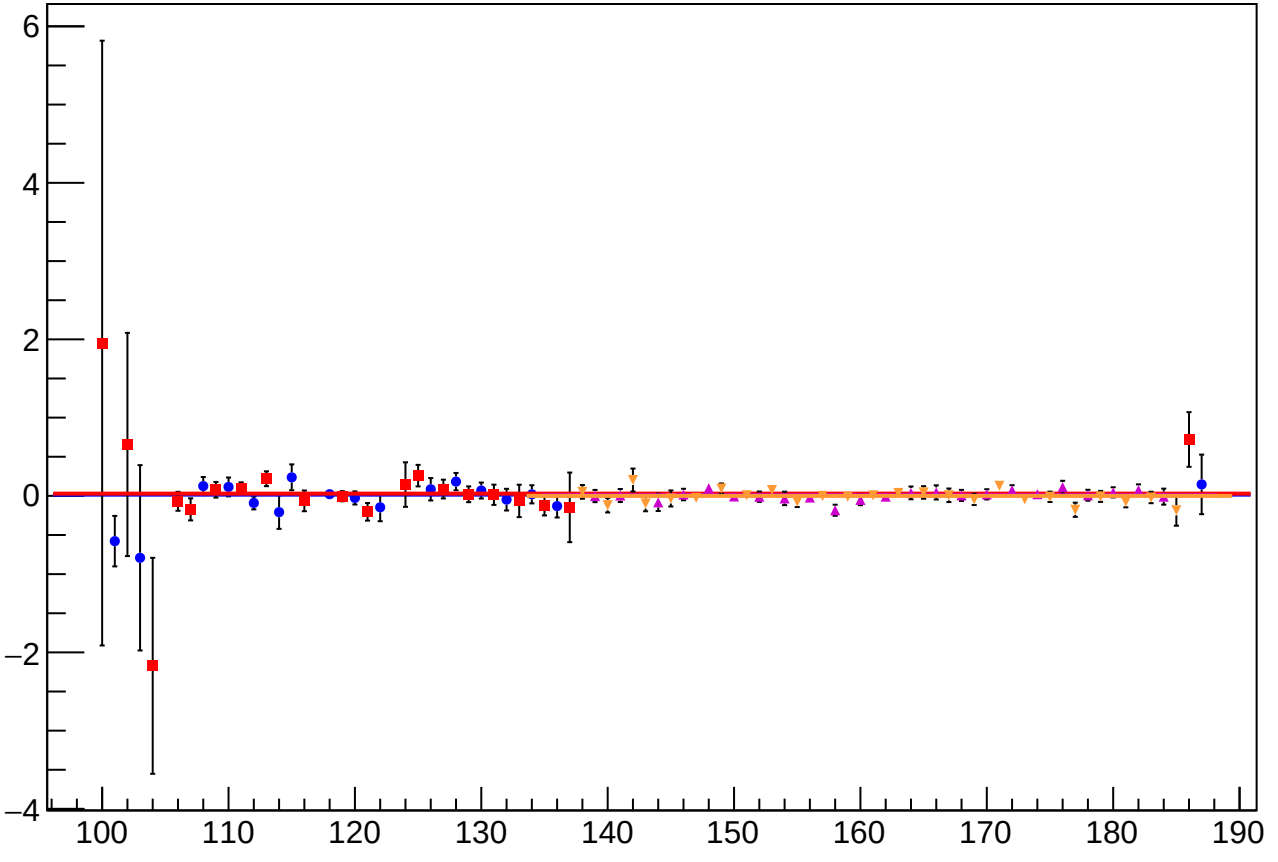
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.735+/-0.009 χ^2/NDF: 4733334.4/41

All: 57.425+/-0.006 χ^2/NDF: 8556283.2/84

- sign 59.263+/-0.009 χ^2/NDF: 3747434.5/42

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.029+/-0.028 χ^2/NDF: 24.7/19

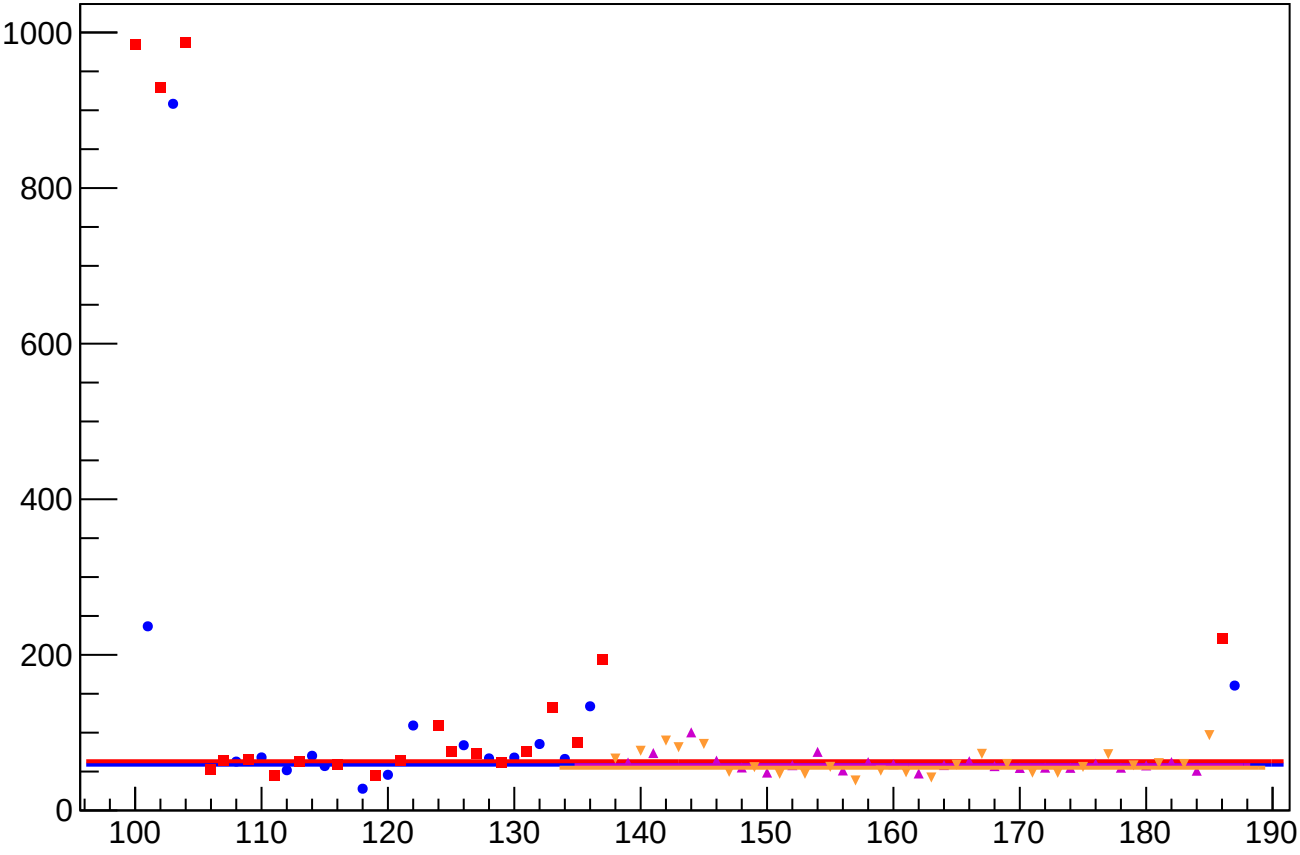
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.003+/-0.013 χ^2/NDF: 38.0/41

All: 0.008+/-0.009 χ^2/NDF: 79.0/84

- sign 0.013+/-0.013 χ^2/NDF: 40.7/42

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 58.855+/-0.020 χ^2/NDF: 3403820.7/16

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 63.251+/-0.020 χ^2/NDF: 3037725.9/19

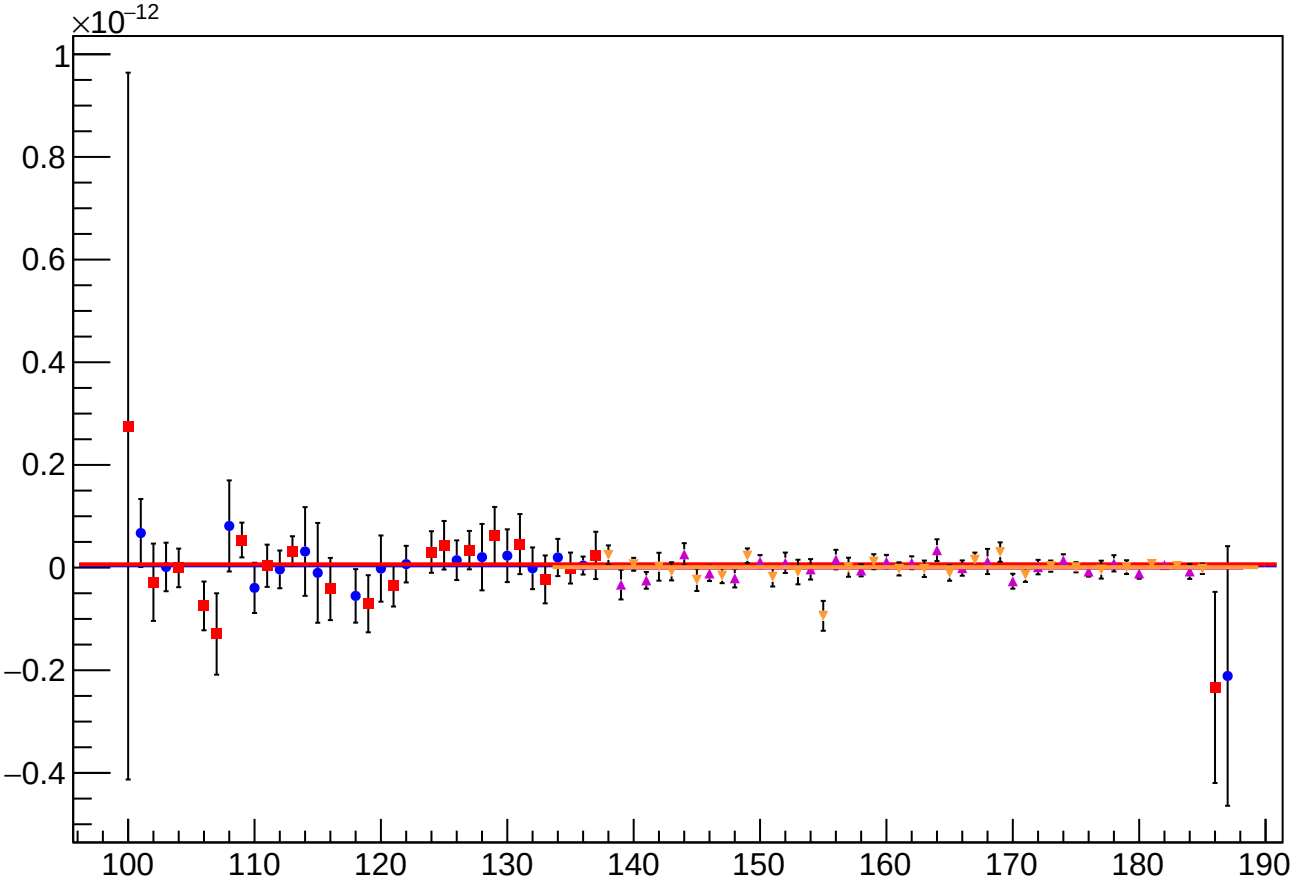
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 55.735+/-0.009 χ^2/NDF: 4733334.4/41

All: 57.425+/-0.006 χ^2/NDF: 8556283.2/84

- sign 59.263+/-0.009 χ^2/NDF: 3747434.5/42

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

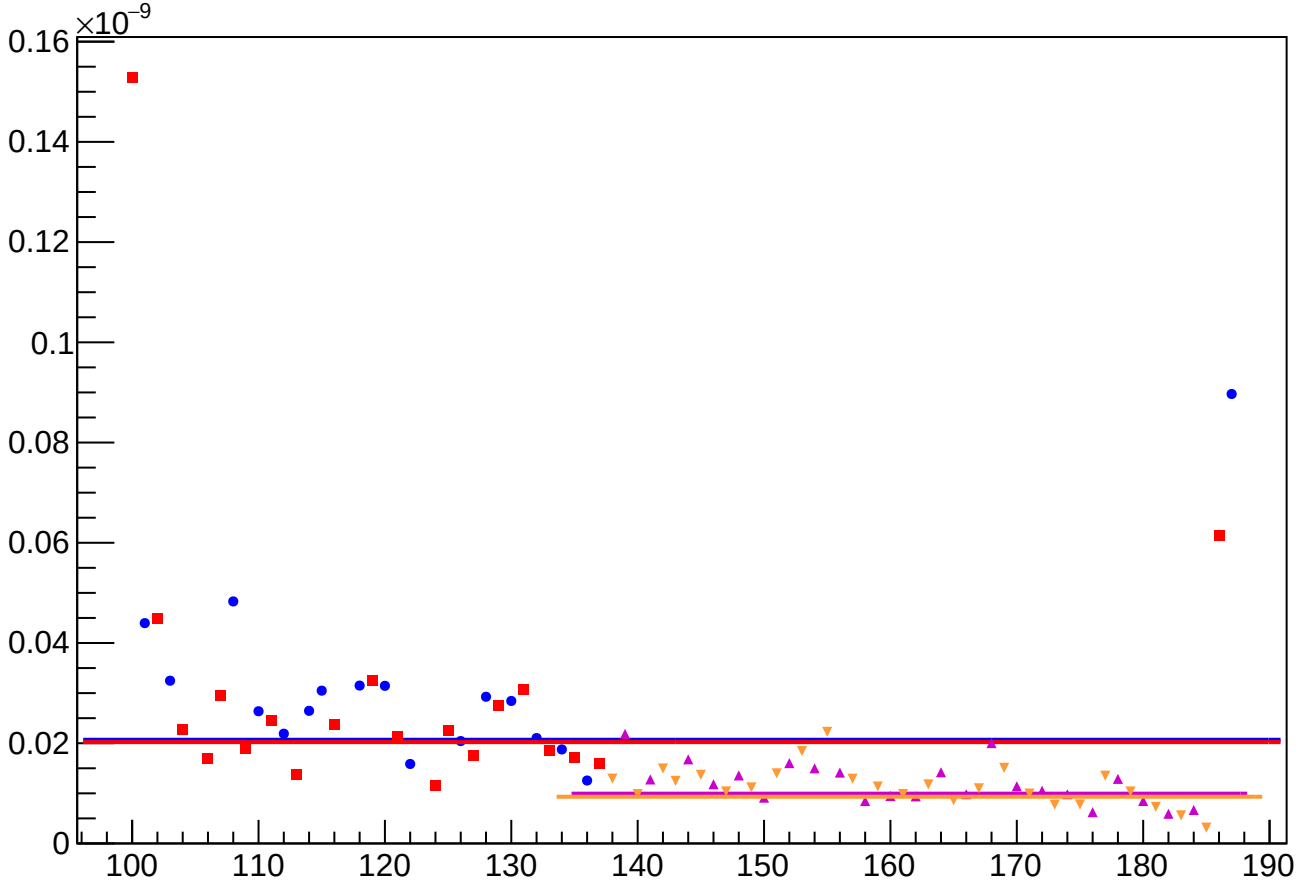
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/19

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/41

All: 0.000+/-0.000 χ^2/NDF: 69.0/84

- sign 0.000+/-0.000 χ^2/NDF: 38.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1468713.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 911000.0/19

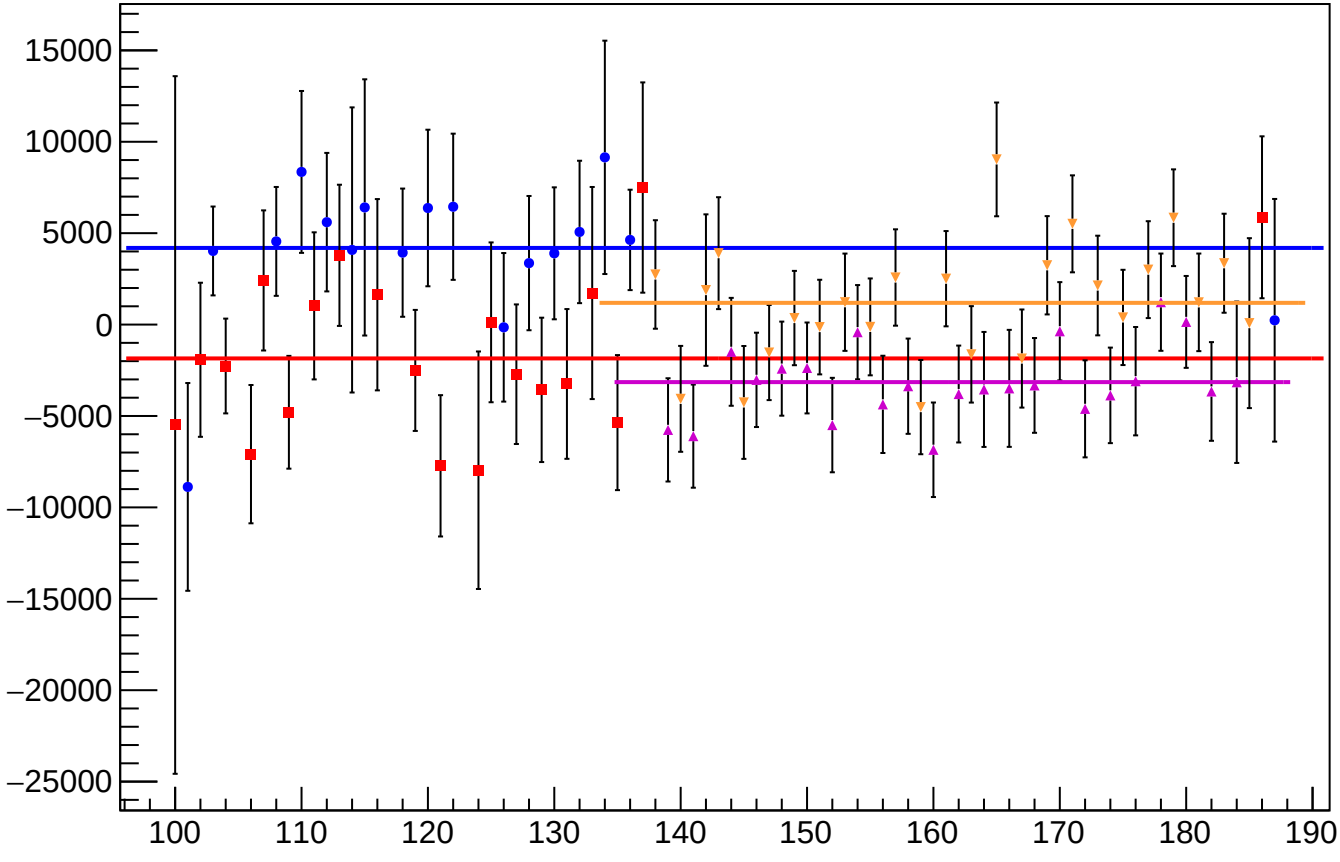
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 6836173.2/41

All: 0.000+/-0.000 χ^2/NDF: 12286010.9/84

- sign 0.000+/-0.000 χ^2/NDF: 5393347.5/42

reg_asym_atr2_mean vs Slug



Right In: 4192.967+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1851.610+/-902.746 χ^2/NDF: 18.0/19

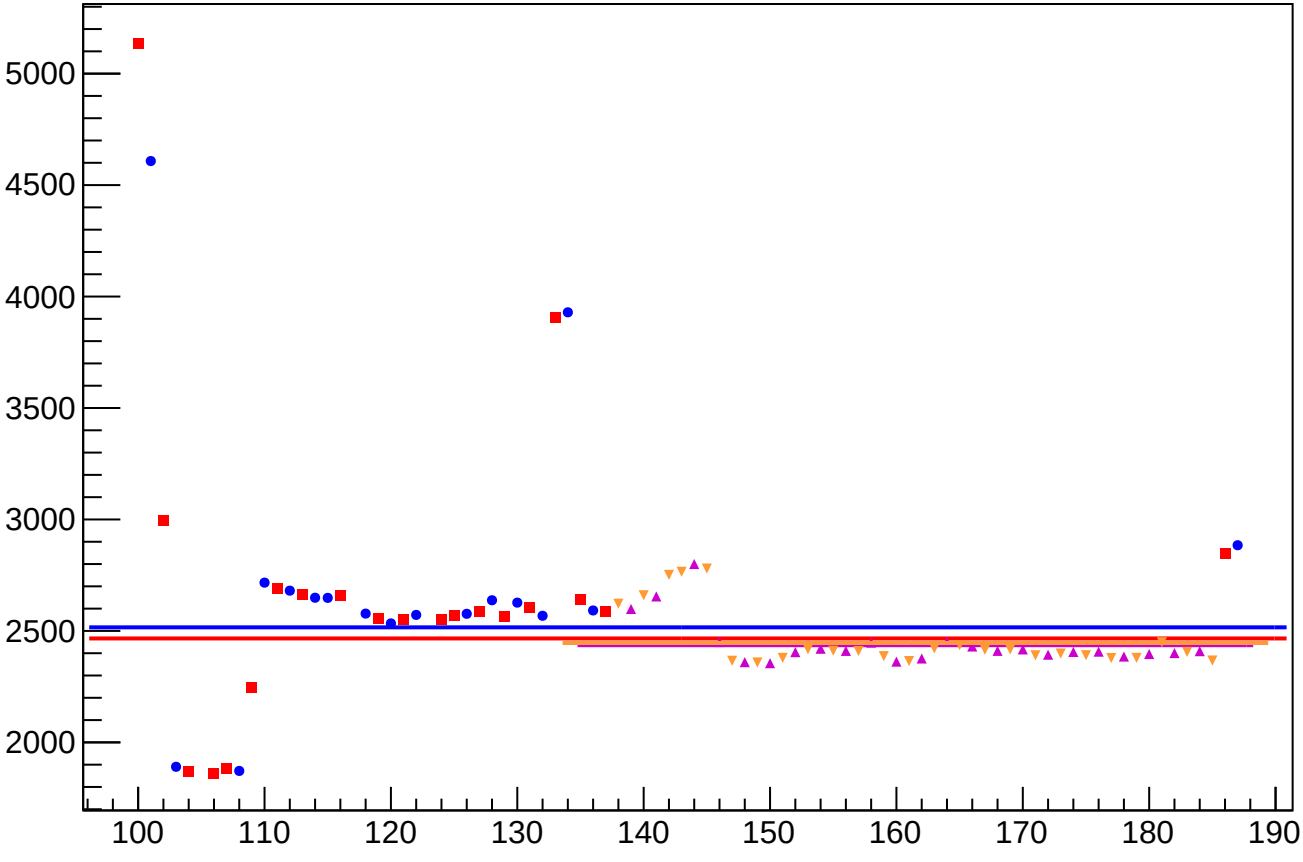
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 1965.123+/-479.012 χ^2/NDF: 47.9/41

All: -394.568+/-339.587 χ^2/NDF: 128.8/84

- sign -2778.787+/-481.495 χ^2/NDF: 32.1/42

reg_asym_atr2_rms vs Slug



Right In: 2516.045+/-0.666 χ^2/NDF: 617877.5/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

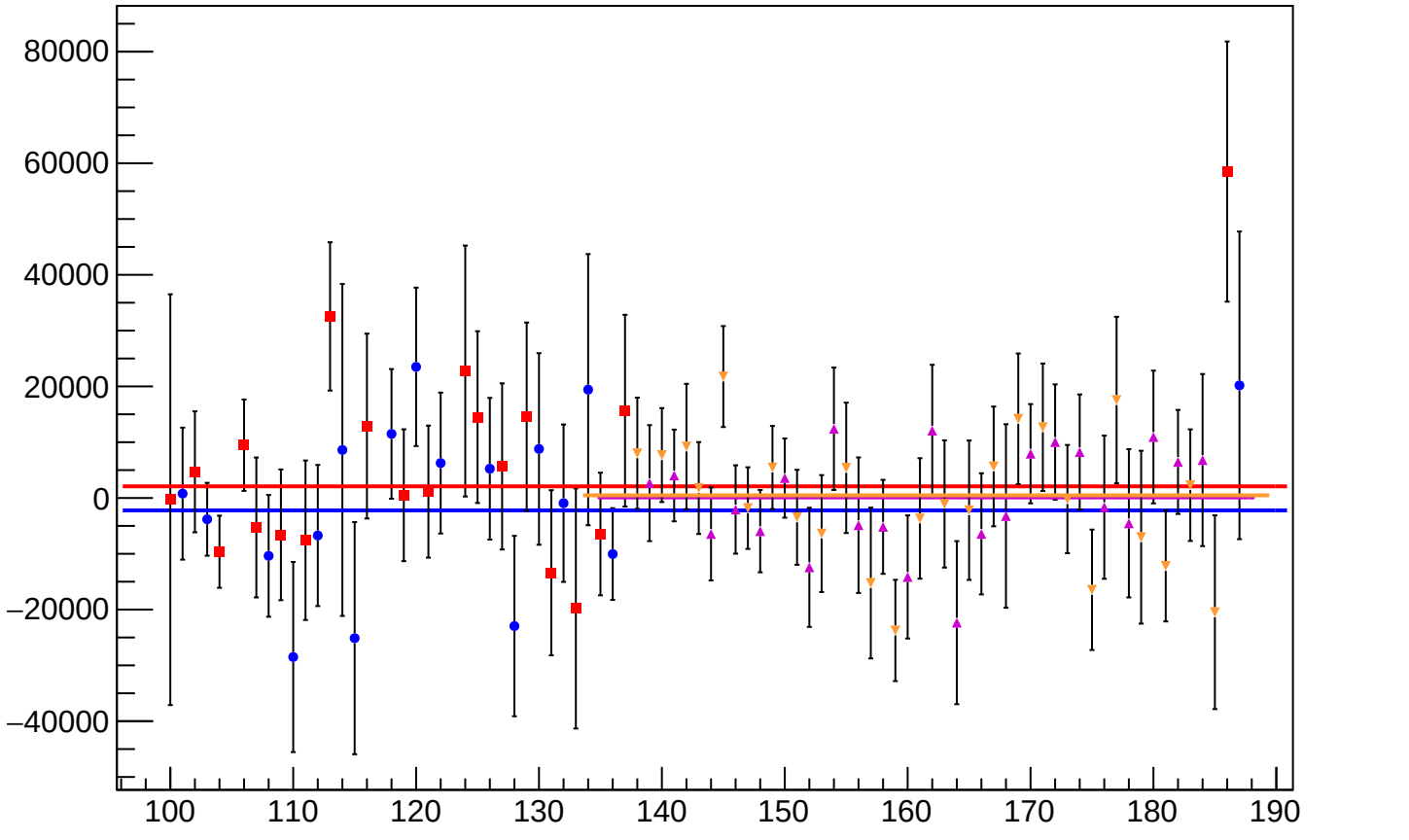
Right Out: 2466.221+/-0.638 χ^2/NDF: 452499.7/19

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2463.971+/-0.339 χ^2/NDF: 716128.3/41

All: 2454.316+/-0.240 χ^2/NDF: 1231060.3/84

- sign 2444.562+/-0.340 χ^2/NDF: 513298.6/42



Right In: -2221.713+/-3056.621 χ^2/NDF: 14.4/16

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2088.928+/-2831.622 χ^2/NDF: 22.5/19

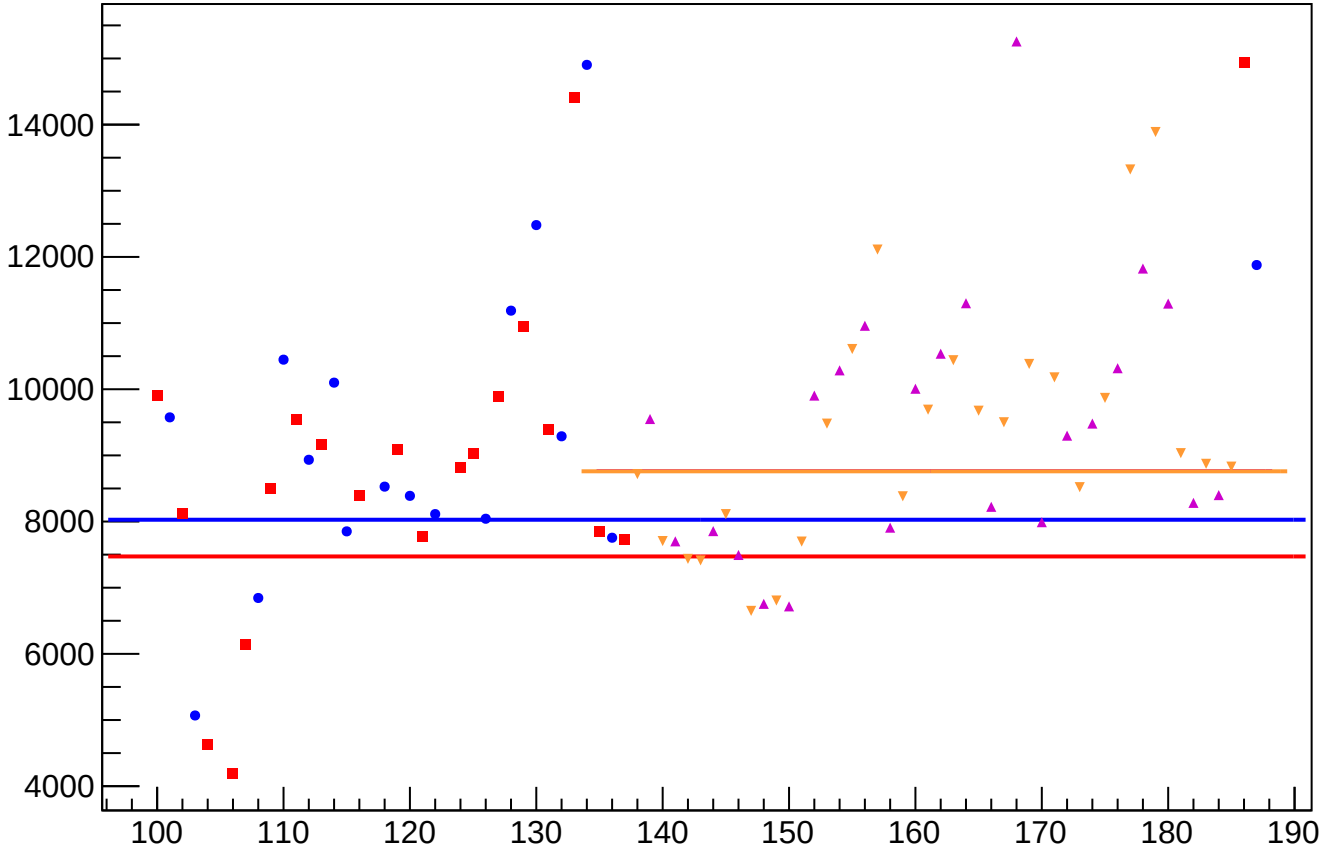
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -352.240+/-1694.483 χ^2/NDF: 42.4/41

All: 230.653+/-1193.753 χ^2/NDF: 79.9/84

- sign 805.010+/-1682.030 χ^2/NDF: 37.3/42

asym_atr2_reg_correction_rms vs Slug



Right In: 8027.399+/-2.161 χ^2/NDF: 962573.6/16

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 7472.530+/-2.002 χ^2/NDF: 1494220.7/19

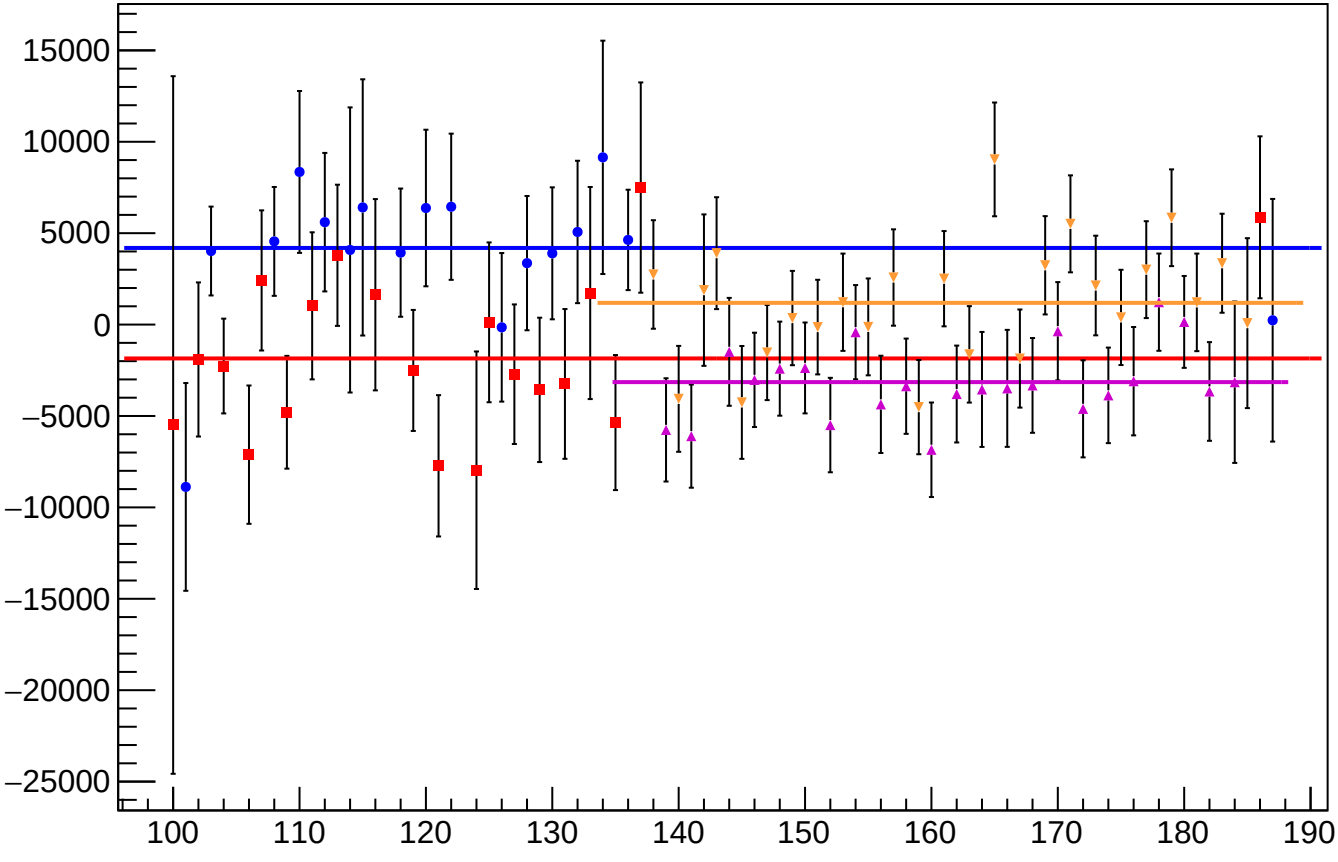
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 8534.604+/-1.198 χ^2/NDF: 2264314.1/41

All: 8420.661+/-0.844 χ^2/NDF: 5337479.3/84

- sign 8308.387+/-1.189 χ^2/NDF: 3055210.9/42

cor_asym_atr2_mean vs Slug



Right In: 4192.509+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1852.217+/-902.753 χ^2/NDF: 18.0/19

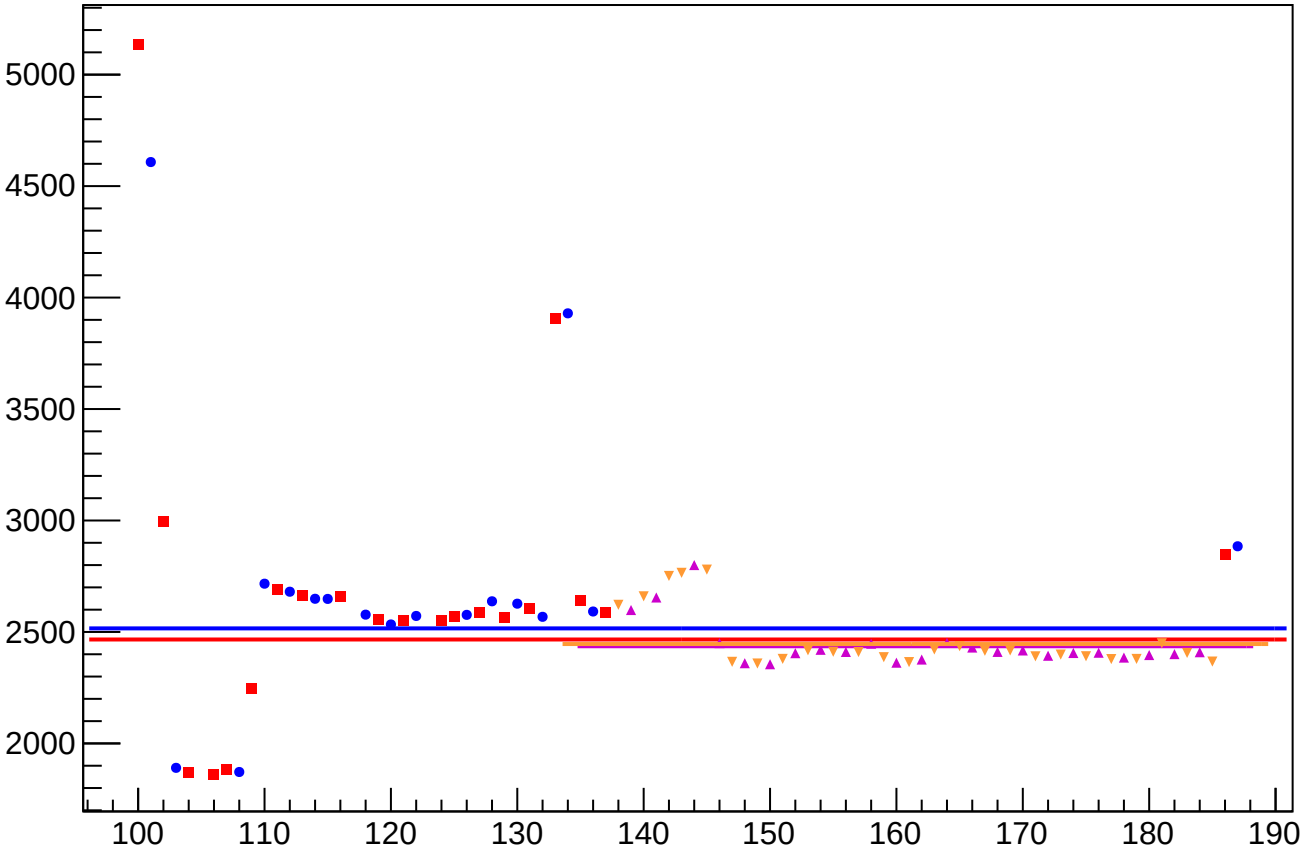
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1964.878+/-479.012 χ^2/NDF: 47.9/41

All: -394.704+/-339.588 χ^2/NDF: 128.8/84

- sign -2778.822+/-481.496 χ^2/NDF: 32.1/42

cor_asym_atr2_rms vs Slug



Right In: 2516.046+/-0.666 χ^2/NDF: 617875.2/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

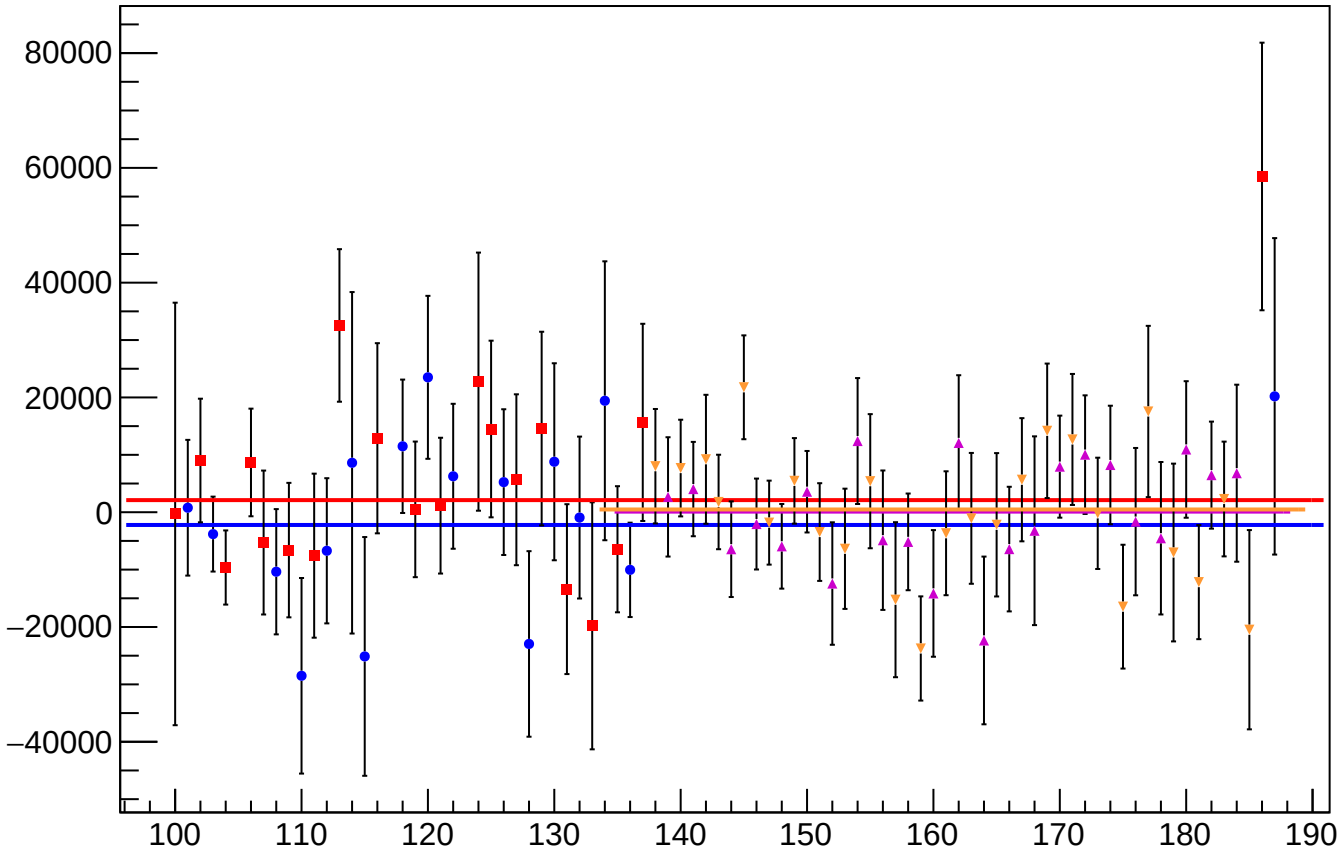
Right Out: 2466.245+/-0.638 χ^2/NDF: 452443.4/19

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2463.971+/-0.339 χ^2/NDF: 716126.3/41

All: 2454.320+/-0.240 χ^2/NDF: 1231003.4/84

- sign 2444.568+/-0.340 χ^2/NDF: 513244.8/42



Right In: -2221.476+/-3056.708 χ^2/NDF: 14.4/16

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2108.454+/-2871.437 χ^2/NDF: 22.6/19

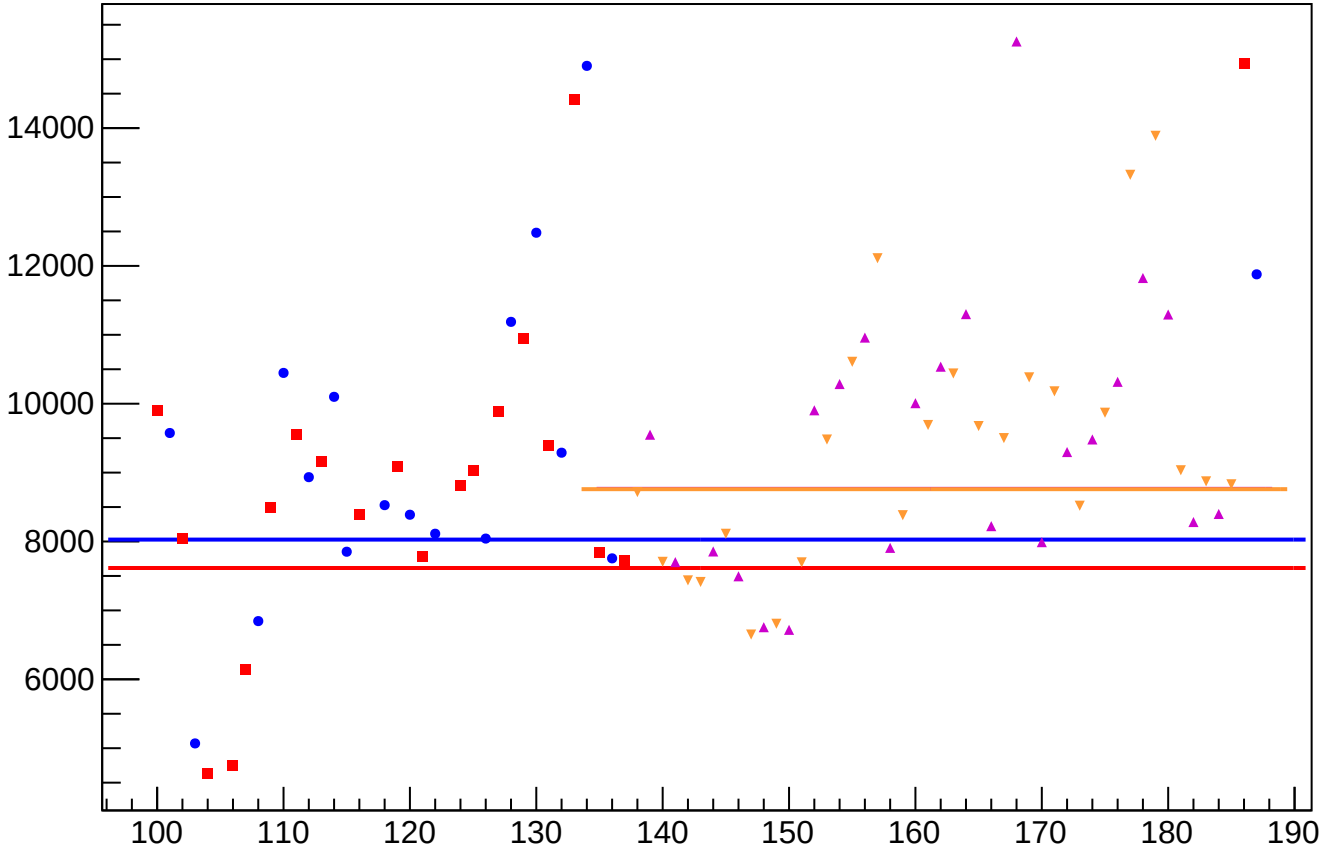
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -352.126+/-1694.497 χ^2/NDF: 42.4/41

All: 224.989+/-1196.690 χ^2/NDF: 80.0/84

- sign 799.223+/-1690.262 χ^2/NDF: 37.4/42

asym_atr2_cor_correction_rms vs Slug



Right In: 8027.722+/-2.161 χ^2/NDF: 962269.7/16

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 7615.487+/-2.030 χ^2/NDF: 1335924.2/19

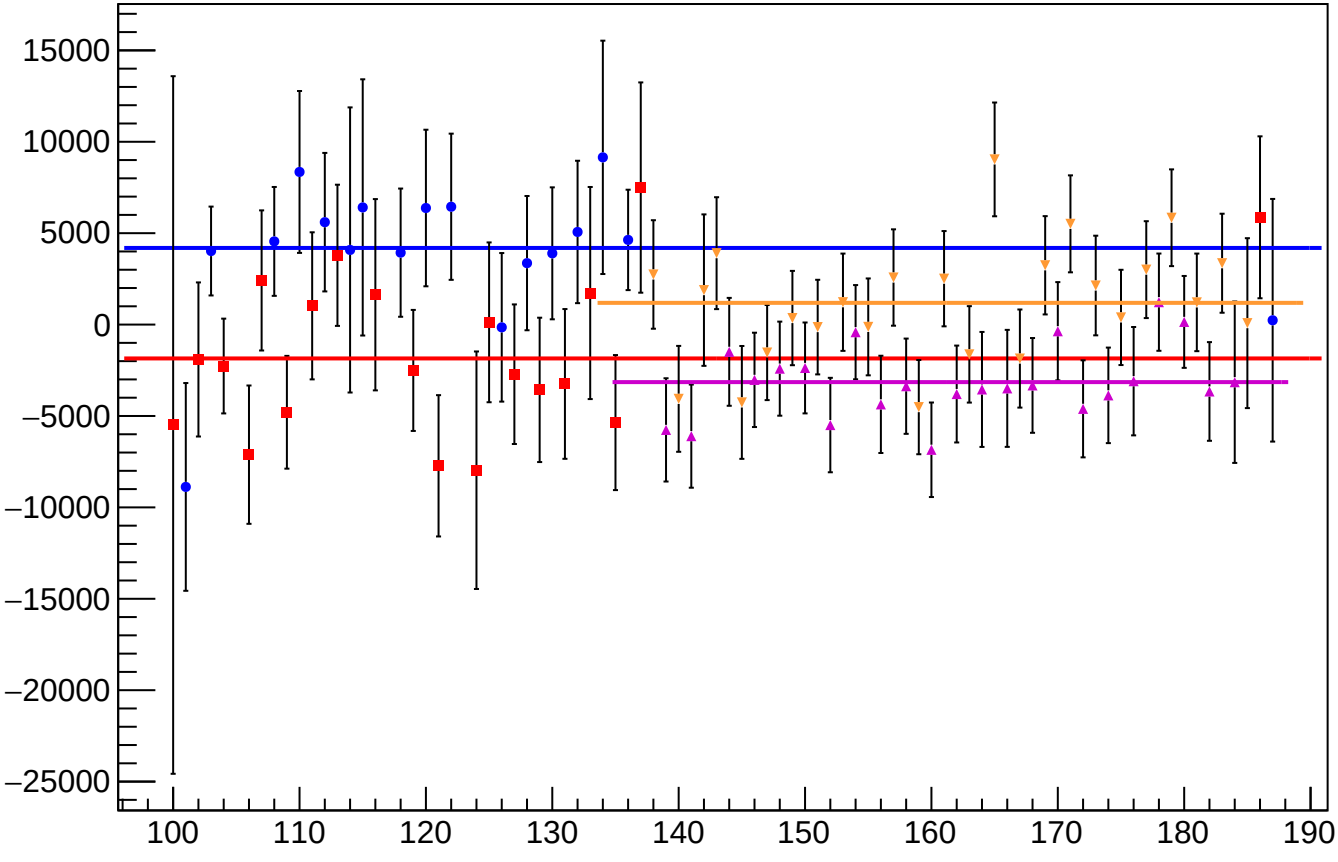
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8534.706+/-1.198 χ^2/NDF: 2263945.7/41

All: 8450.202+/-0.846 χ^2/NDF: 5110637.5/84

- sign 8366.121+/-1.195 χ^2/NDF: 2836768.9/42

eigen_cor_asym_atr2_mean vs Slug



Right In: 4192.509+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1852.217+/-902.753 χ^2/NDF: 18.0/19

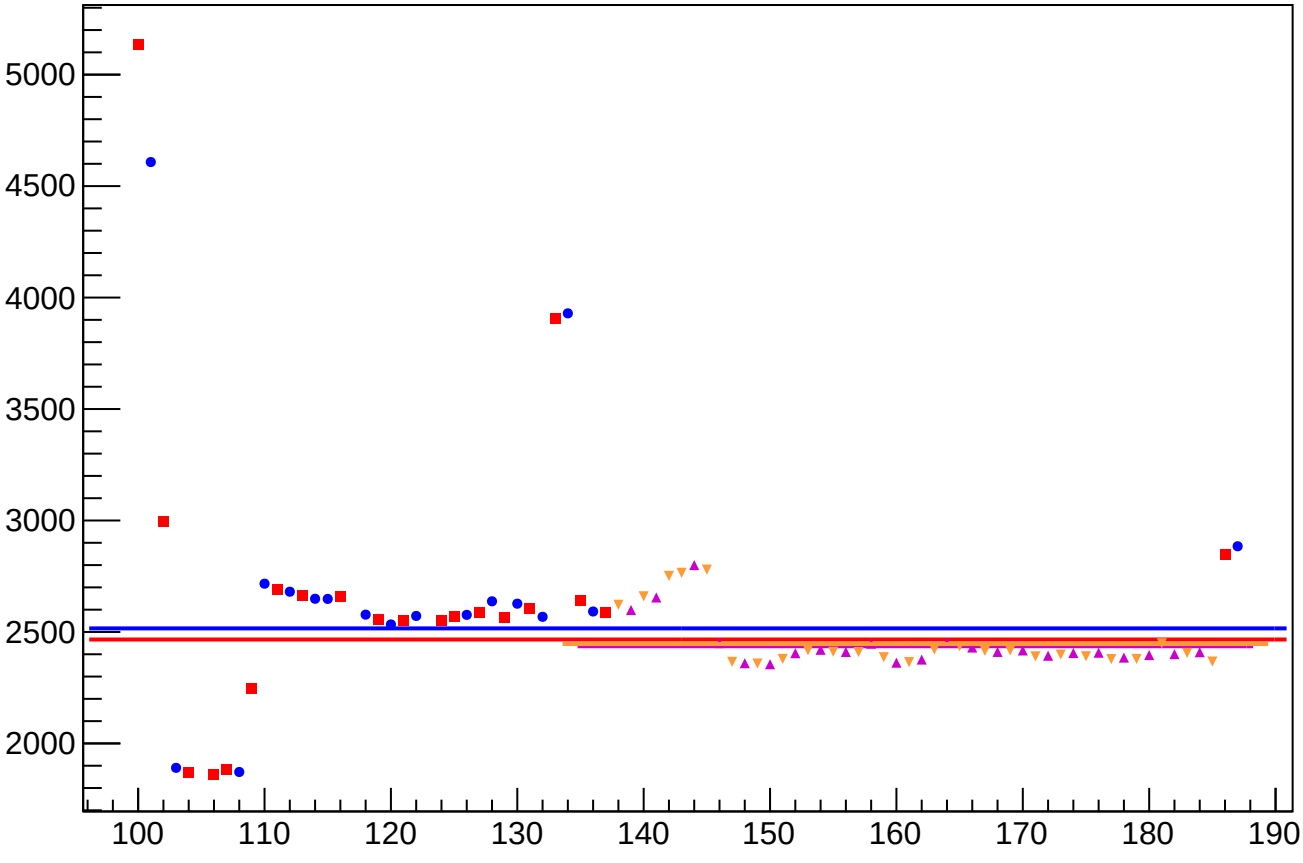
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 1964.878+/-479.012 χ^2/NDF: 47.9/41

All: -394.704+/-339.588 χ^2/NDF: 128.8/84

- sign -2778.822+/-481.496 χ^2/NDF: 32.1/42

eigen_cor_asym_atr2_rms vs Slug



Right In: 2516.046+/-0.666 χ^2/NDF: 617875.2/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

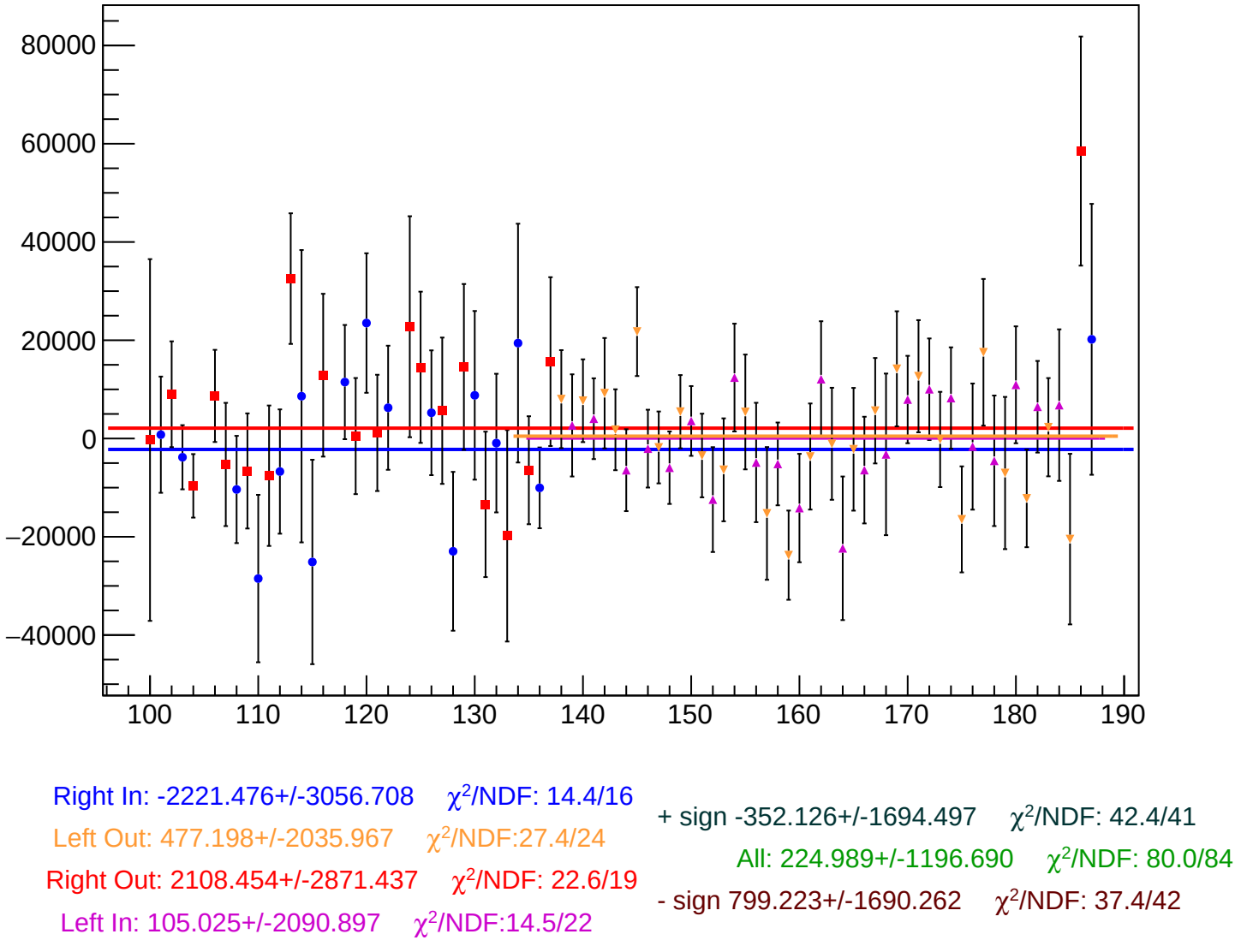
Right Out: 2466.245+/-0.638 χ^2/NDF: 452443.4/19

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

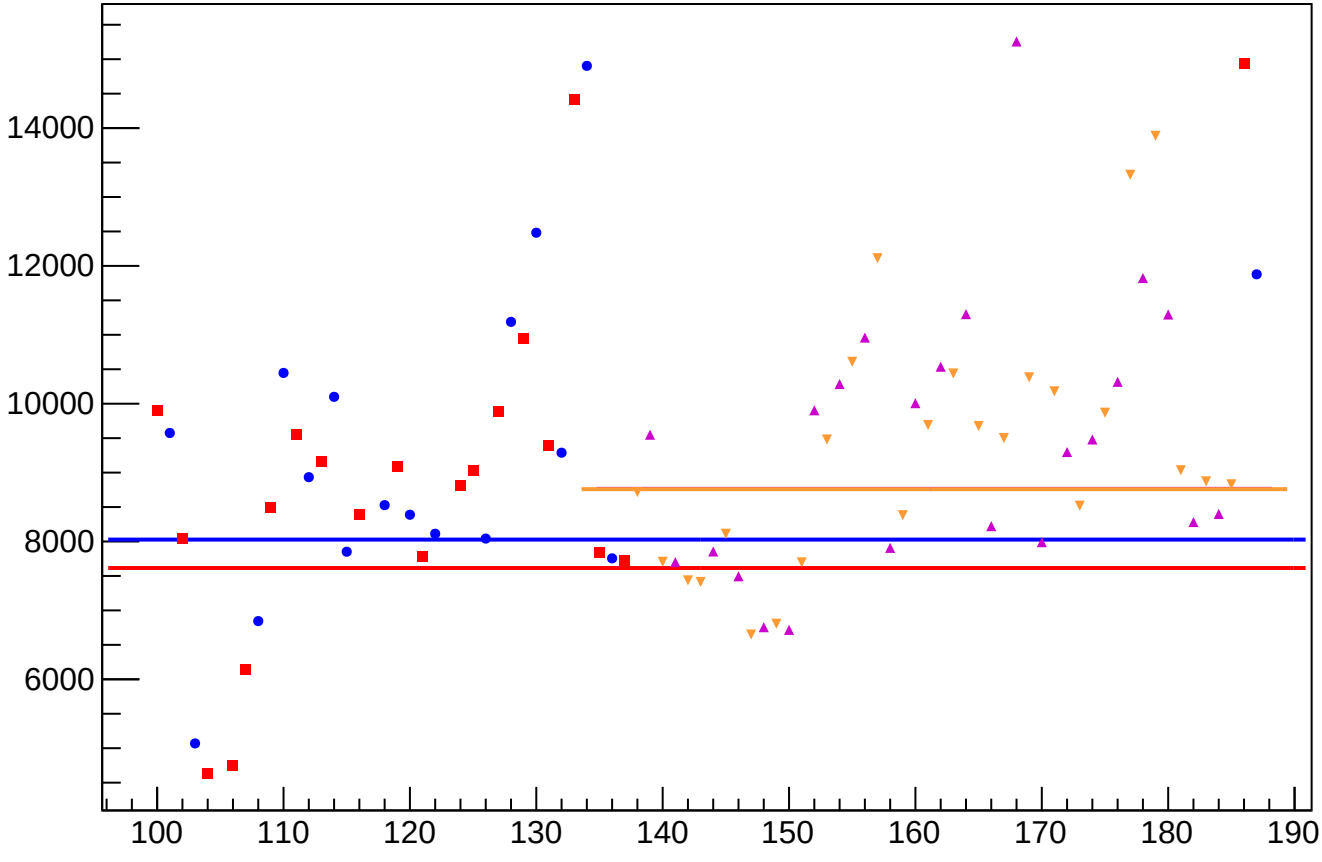
+ sign 2463.971+/-0.339 χ^2/NDF: 716126.3/41

All: 2454.320+/-0.240 χ^2/NDF: 1231003.4/84

- sign 2444.568+/-0.340 χ^2/NDF: 513244.8/42


asym_atr2_eigen_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -2221.476+/-3056.708 χ²/NDF: 14.4/16
Left Out: 477.198+/-2035.967 χ²/NDF:27.4/24
Right Out: 2108.454+/-2871.437 χ²/NDF: 22.6/19
Left In: 105.025+/-2090.897 χ²/NDF:14.5/22
+ sign -352.126+/-1694.497 χ²/NDF: 42.4/41
All: 224.989+/-1196.690 χ²/NDF: 80.0/84
- sign 799.223+/-1690.262 χ²/NDF: 37.4/42

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 8027.722+/-2.161 χ^2/NDF: 962269.7/16

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

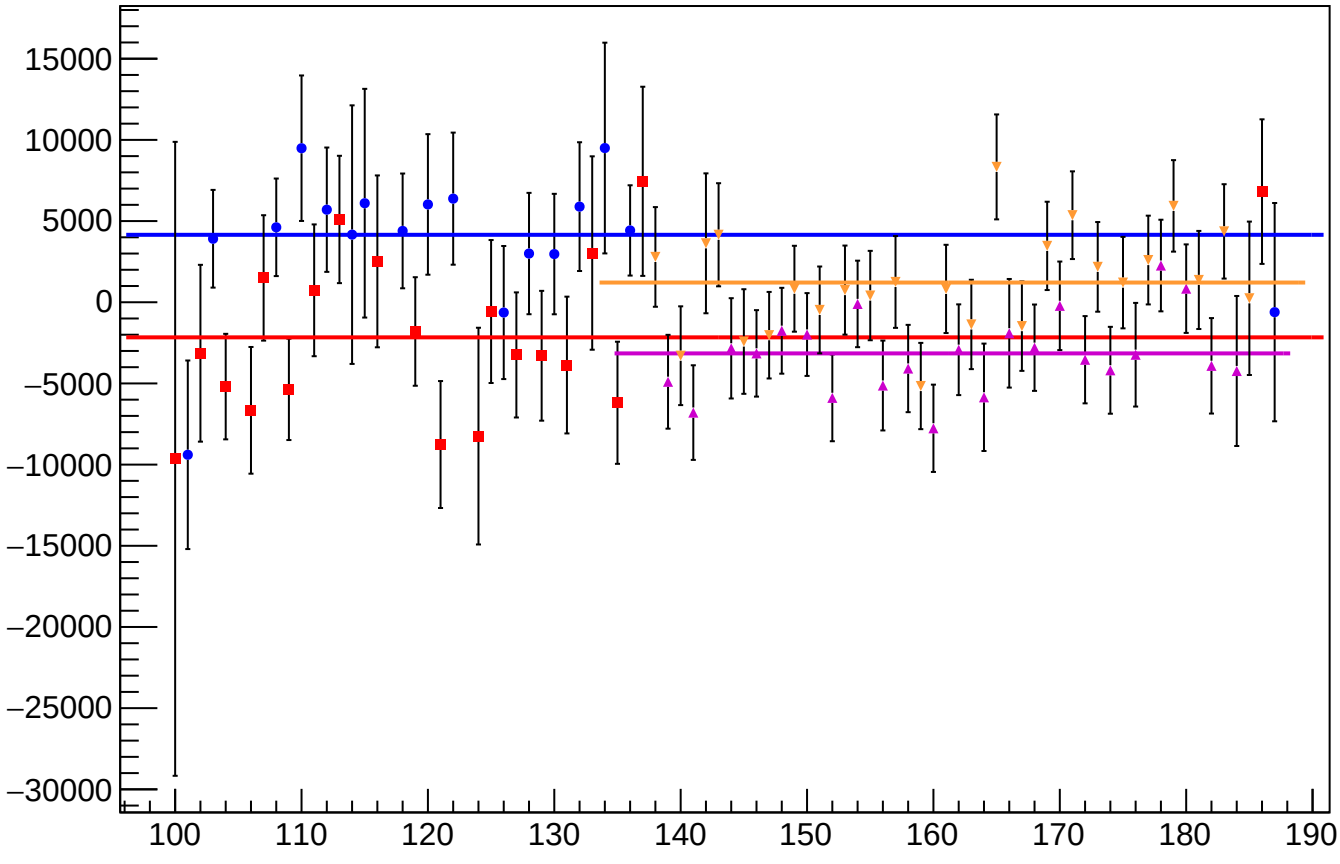
Right Out: 7615.487+/-2.030 χ^2/NDF: 1335924.2/19

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 8534.706+/-1.198 χ^2/NDF: 2263945.7/41

All: 8450.202+/-0.846 χ^2/NDF: 5110637.5/84

- sign 8366.121+/-1.195 χ^2/NDF: 2836768.9/42



Right In: 4153.552+/-979.960 χ^2/NDF: 10.6/16

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -2162.054+/-944.080 χ^2/NDF: 21.9/19

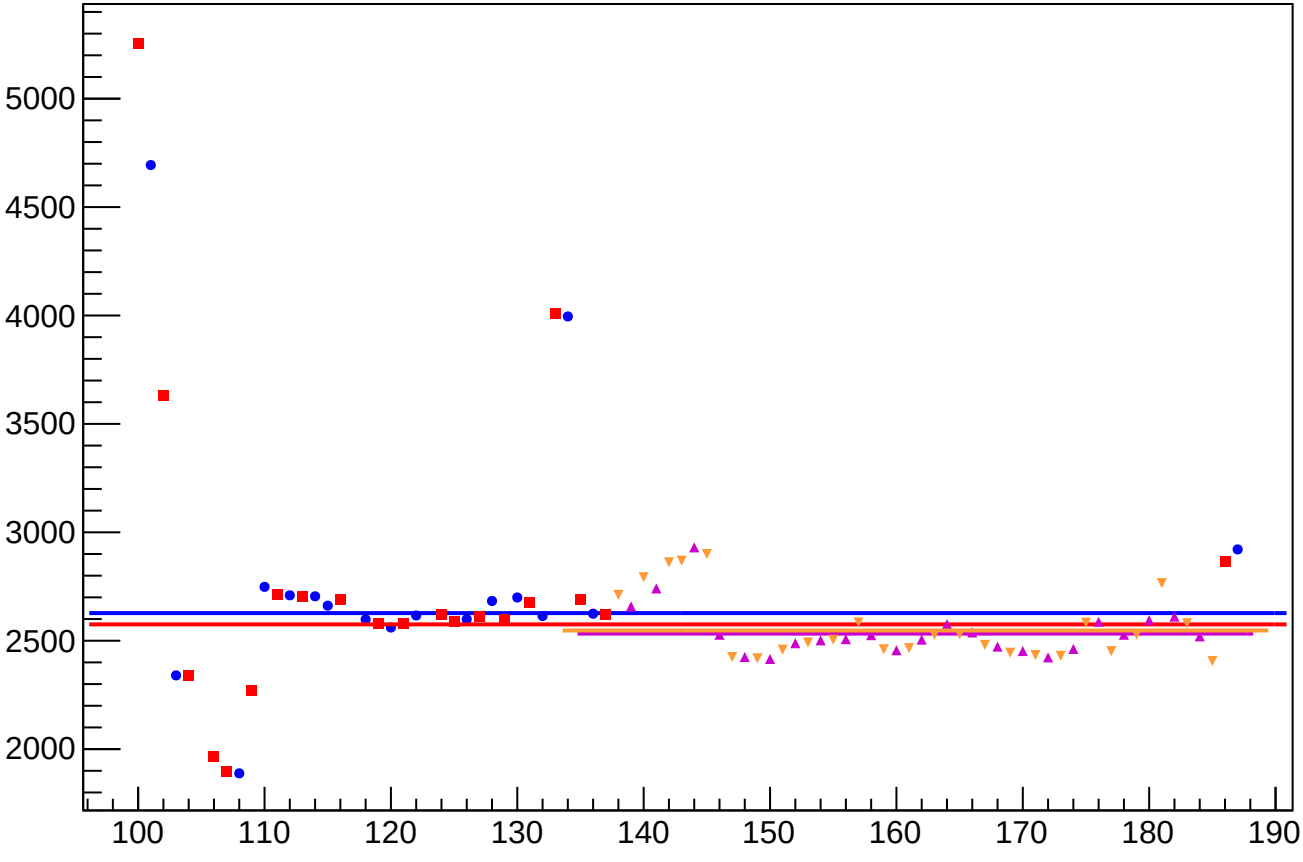
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 1975.898+/-498.934 χ^2/NDF: 44.1/41

All: -434.678+/-353.745 χ^2/NDF: 130.1/84

- sign -2871.280+/-501.620 χ^2/NDF: 39.1/42

dit_asym_atr2_rms vs Slug



Right In: 2627.341+/-0.693 χ^2/NDF: 489814.9/16

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2575.293+/-0.667 χ^2/NDF: 387061.7/19

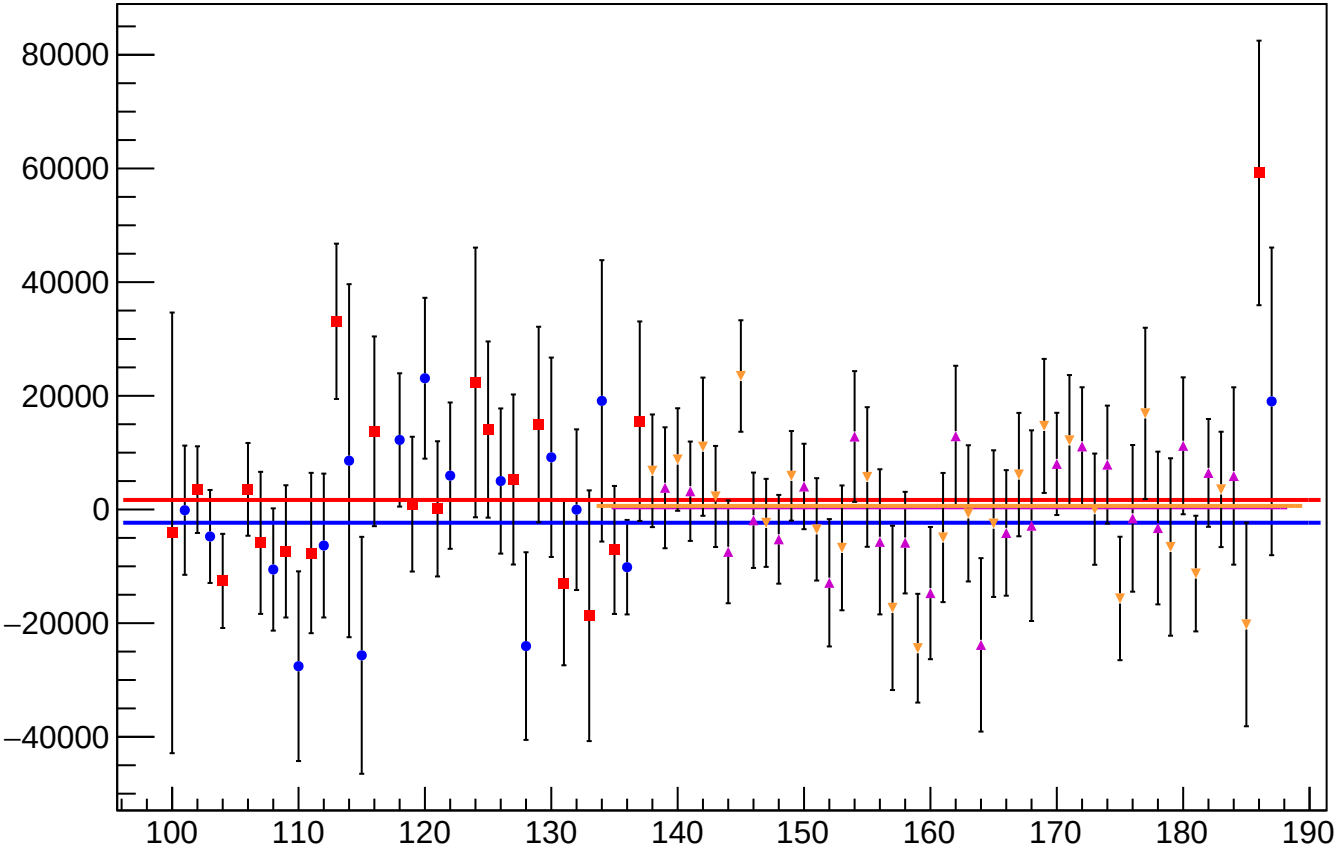
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2567.940+/-0.353 χ^2/NDF: 617033.3/41

All: 2556.423+/-0.250 χ^2/NDF: 1077592.6/84

- sign 2544.786+/-0.355 χ^2/NDF: 458416.8/42

asym_atr2_dit_correction_mean vs Slug



Right In: -2331.224+/-3189.132 χ^2/NDF: 14.4/16

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 1679.667+/-2851.290 χ^2/NDF: 21.6/19

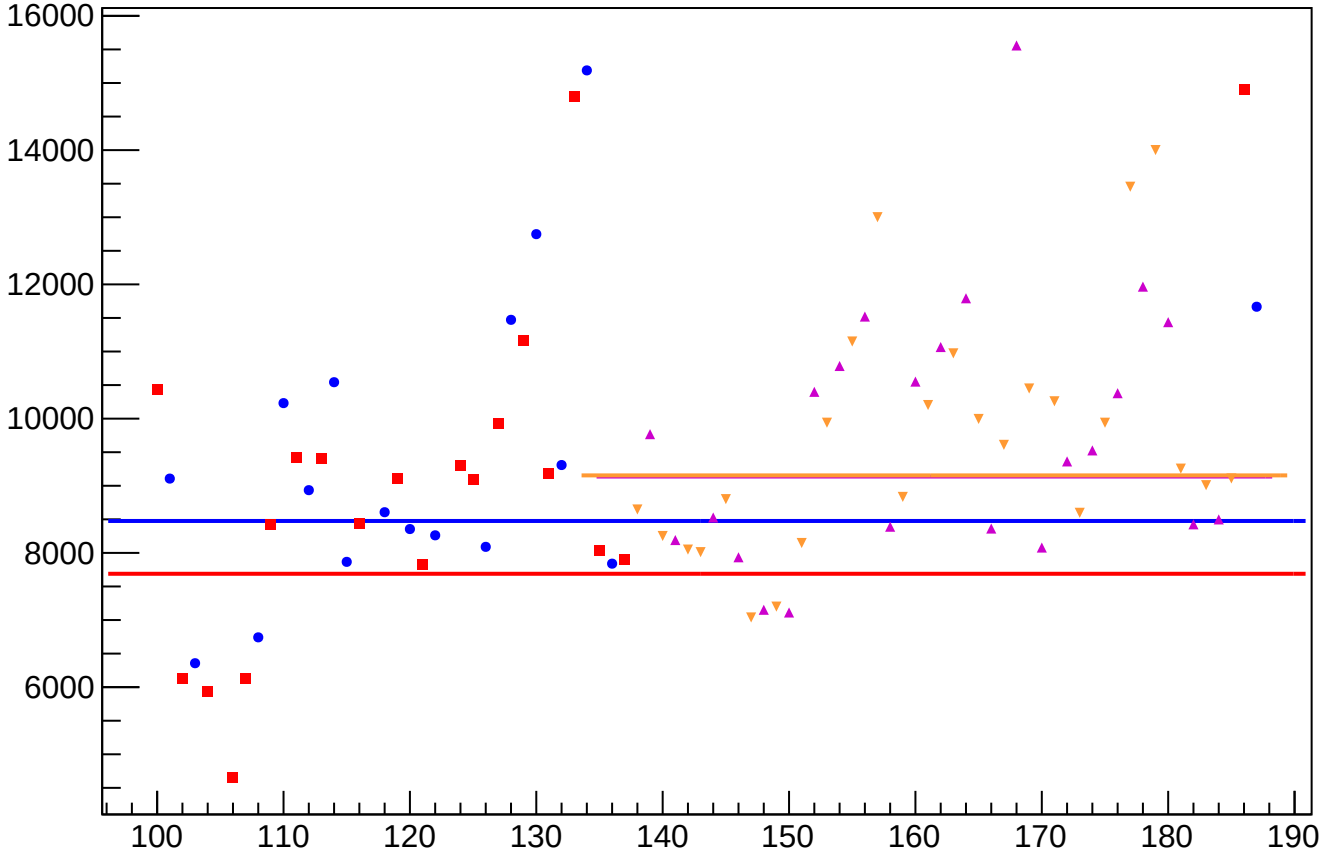
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -278.431+/-1767.290 χ^2/NDF: 41.7/41

All: 301.464+/-1236.262 χ^2/NDF: 77.9/84

- sign 857.133+/-1729.984 χ^2/NDF: 36.0/42

asym_atr2_dit_correction_rms vs Slug



Right In: 8475.703+/-2.255 χ^2/NDF: 608495.2/16

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 7689.062+/-2.016 χ^2/NDF: 1169275.0/19

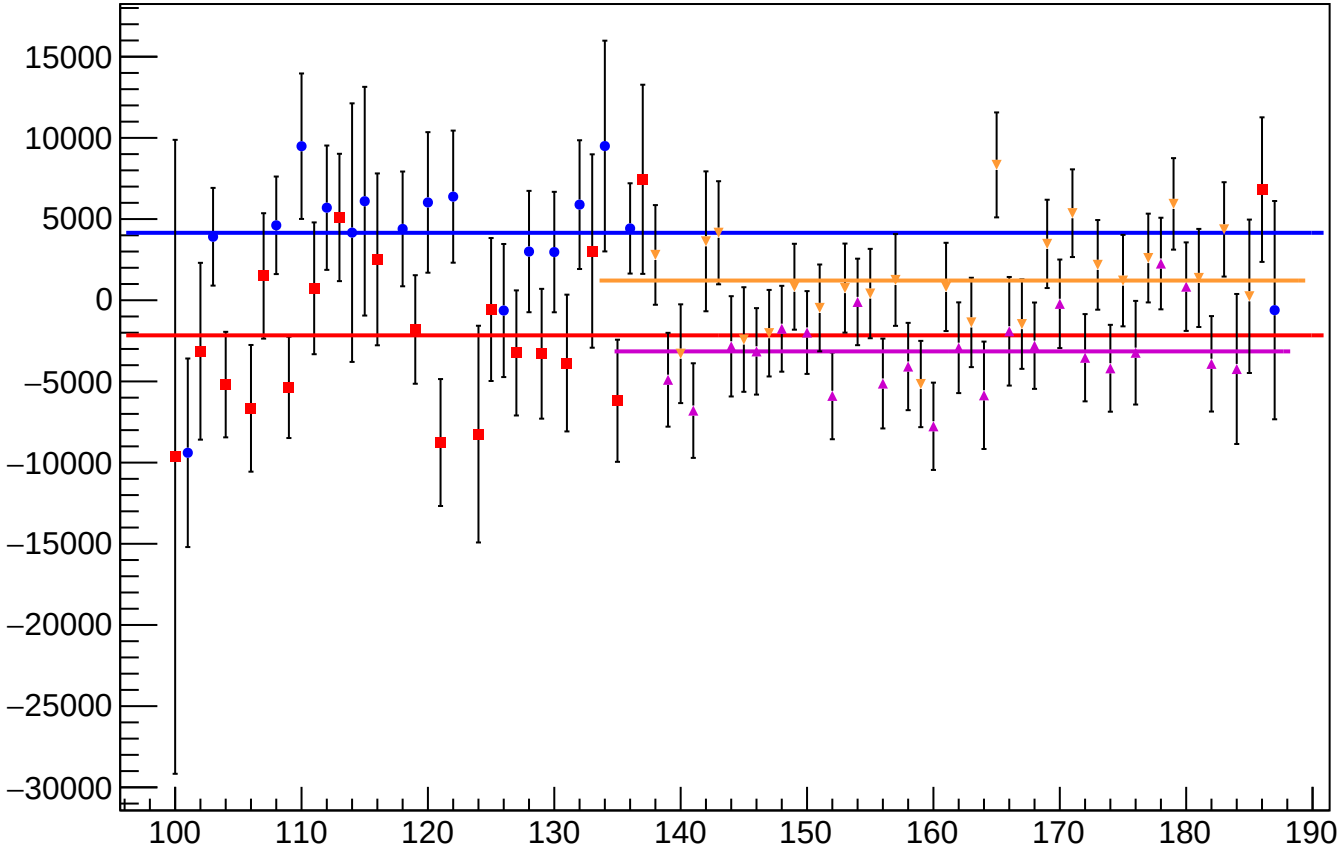
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 8946.176+/-1.250 χ^2/NDF: 1743386.4/41

All: 8771.609+/-0.874 χ^2/NDF: 4449818.0/84

- sign 8604.335+/-1.223 χ^2/NDF: 2668219.4/42

eigen_dit_asym_atr2_mean vs Slug



Right In: 4153.561+/-979.960 χ^2/NDF: 10.6/16

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -2162.073+/-944.079 χ^2/NDF: 21.9/19

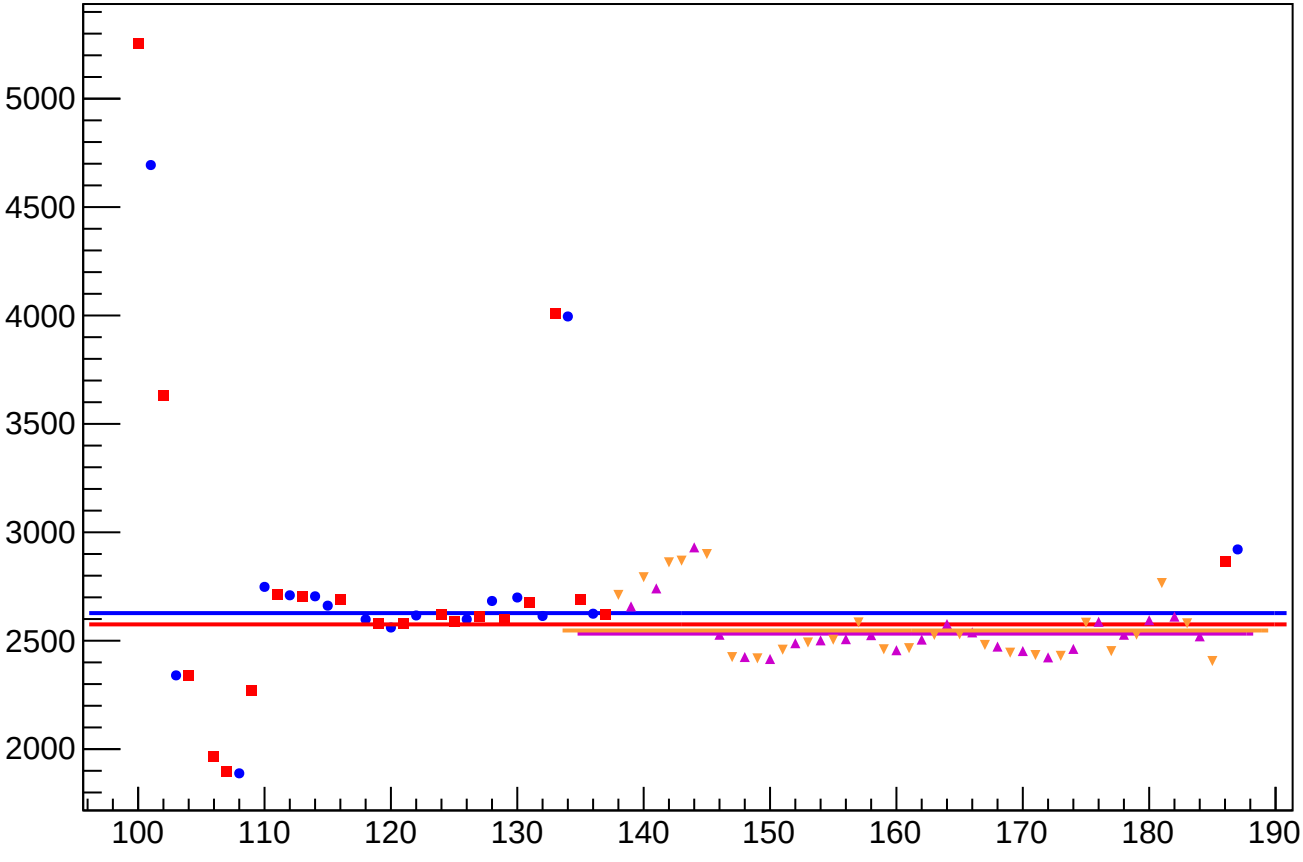
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 1975.893+/-498.934 χ^2/NDF: 44.1/41

All: -434.683+/-353.745 χ^2/NDF: 130.1/84

- sign -2871.284+/-501.620 χ^2/NDF: 39.1/42

eigen_dit_asym_atr2_rms vs Slug



Right In: 2627.340+/-0.693 χ^2/NDF: 489815.1/16

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

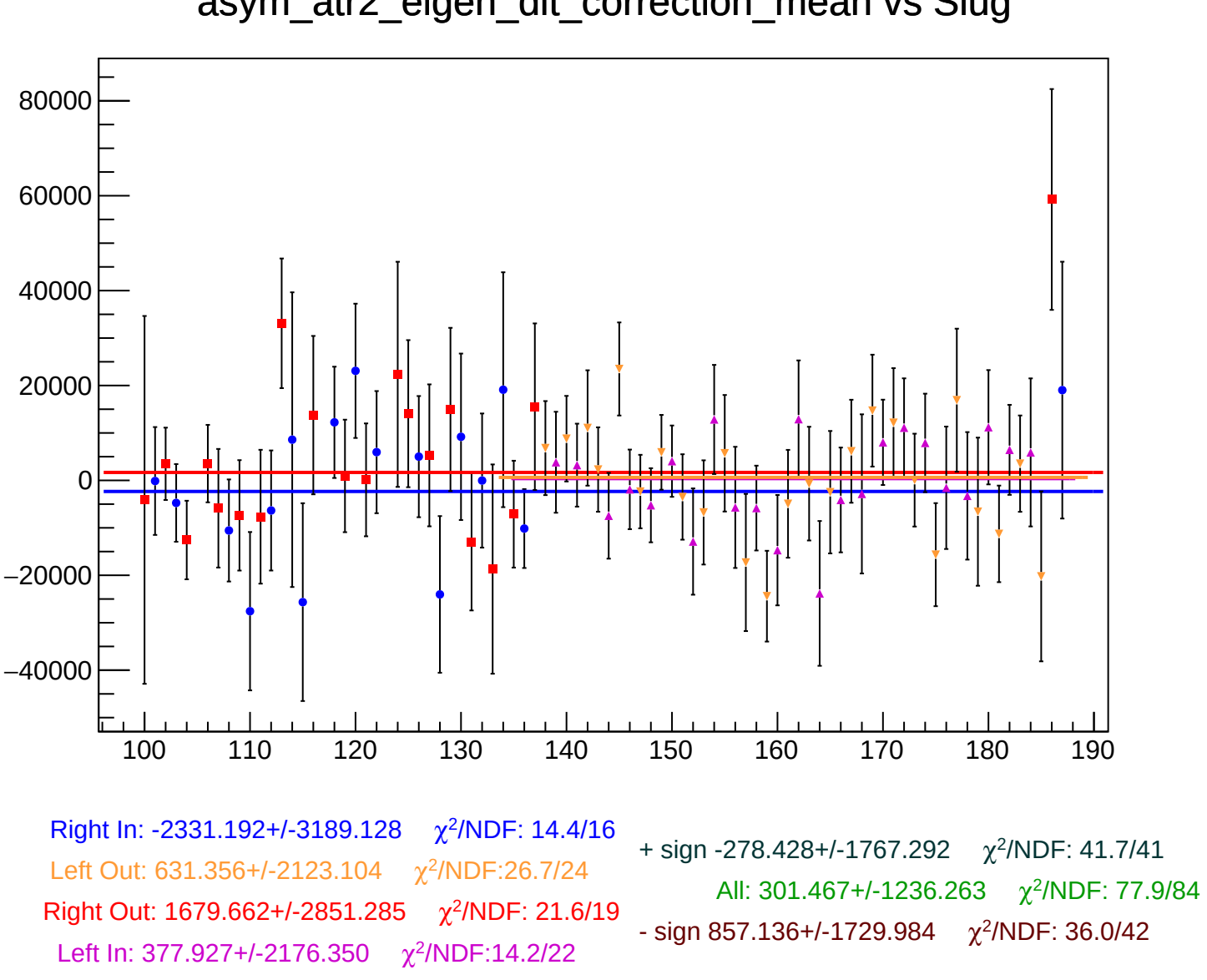
Right Out: 2575.293+/-0.667 χ^2/NDF: 387061.2/19

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

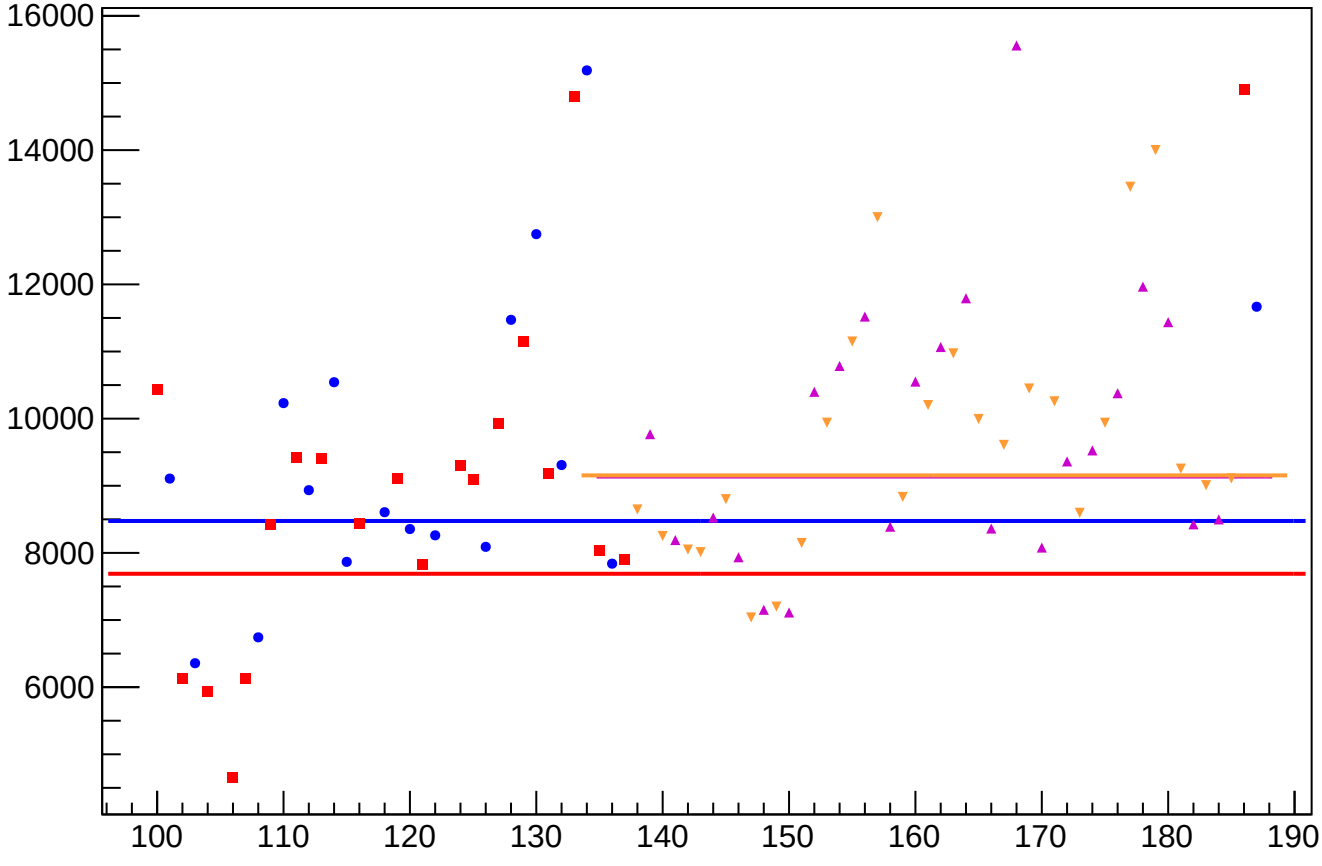
+ sign 2567.941+/-0.353 χ^2/NDF: 617032.9/41

All: 2556.424+/-0.250 χ^2/NDF: 1077591.0/84

- sign 2544.787+/-0.355 χ^2/NDF: 458415.7/42


asym_atr2_eigen_dit_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -2331.192+/-3189.128 χ²/NDF: 14.4/16
Left Out: 631.356+/-2123.104 χ²/NDF:26.7/24
Right Out: 1679.662+/-2851.285 χ²/NDF: 21.6/19
Left In: 377.927+/-2176.350 χ²/NDF:14.2/22
+ sign -278.428+/-1767.292 χ²/NDF: 41.7/41
All: 301.467+/-1236.263 χ²/NDF: 77.9/84
- sign 857.136+/-1729.984 χ²/NDF: 36.0/42

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 8475.694+/-2.255 χ^2/NDF: 608489.9/16

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

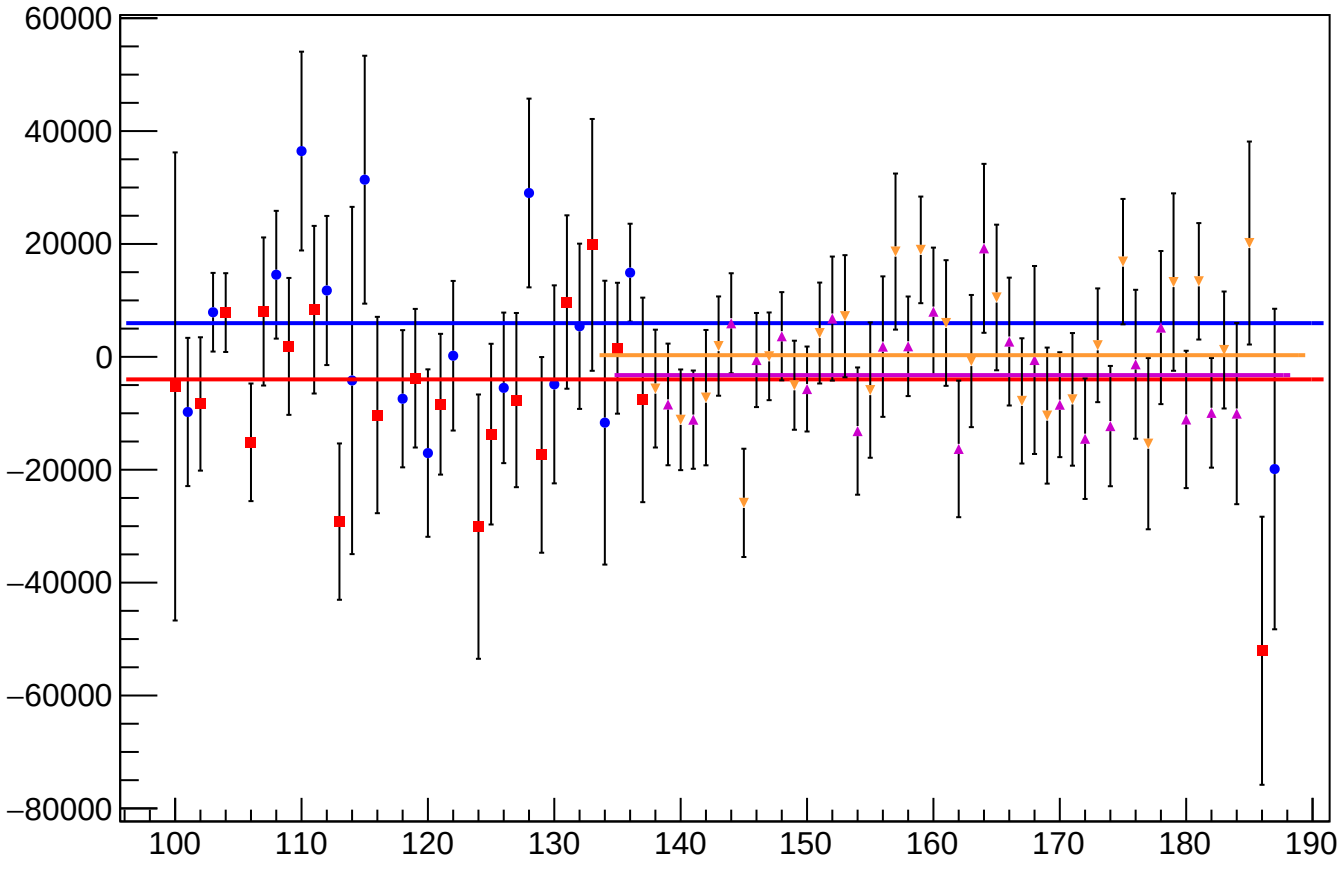
Right Out: 7689.050+/-2.016 χ^2/NDF: 1169270.9/19

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 8946.183+/-1.250 χ^2/NDF: 1743387.7/41

All: 8771.614+/-0.874 χ^2/NDF: 4449831.8/84

- sign 8604.337+/-1.223 χ^2/NDF: 2668231.1/42



Right In: 5970.535+/-3218.817 χ^2/NDF: 15.9/16

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -3992.167+/-3043.342 χ^2/NDF: 18.1/19

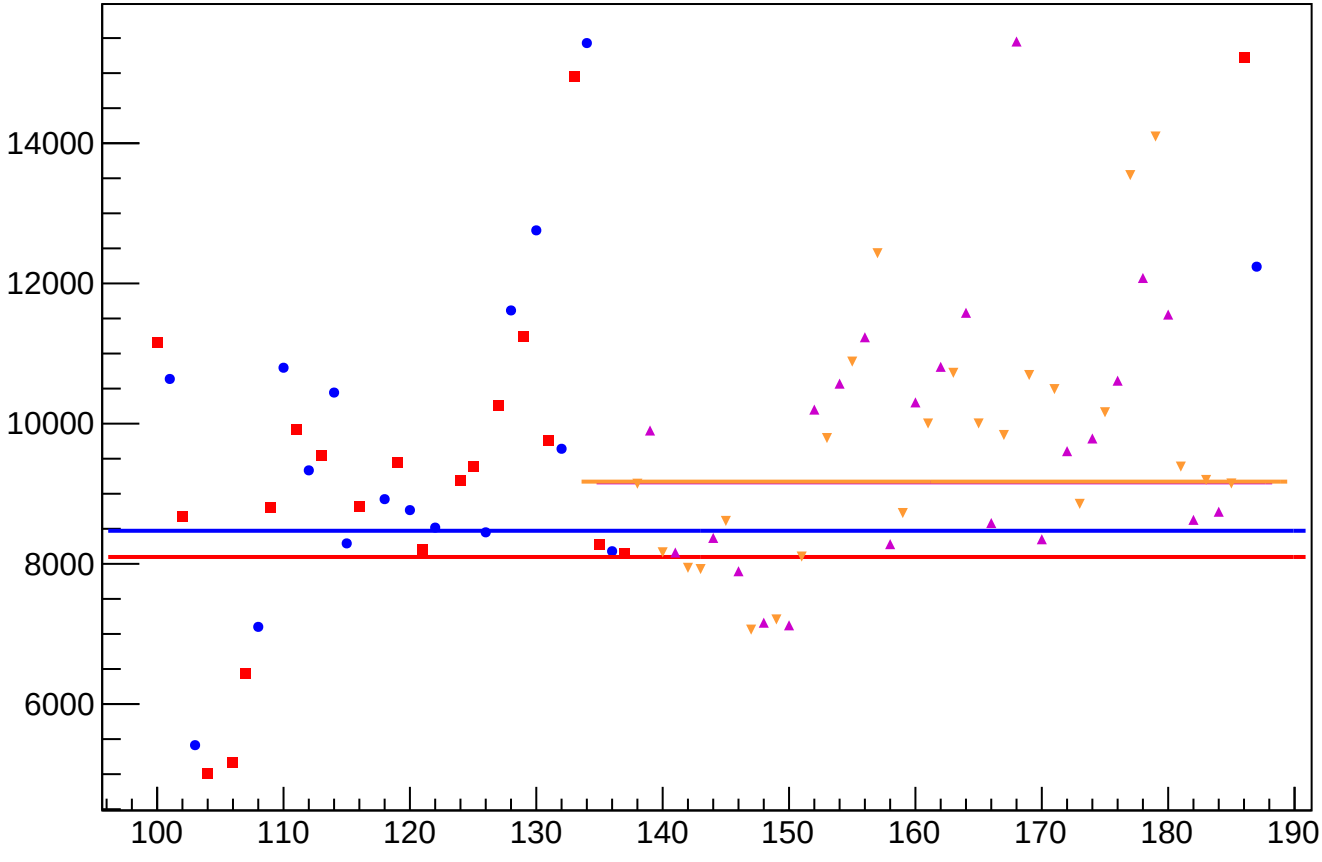
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 2018.226+/-1773.621 χ^2/NDF: 44.4/41

All: -738.600+/-1253.619 χ^2/NDF: 80.9/84

- sign -3490.858+/-1772.151 χ^2/NDF: 31.6/42

asym_atr2_rms vs Slug



Right In: 8471.765+/-2.276 χ^2/NDF: 917502.1/16

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8097.939+/-2.152 χ^2/NDF: 1198987.8/19

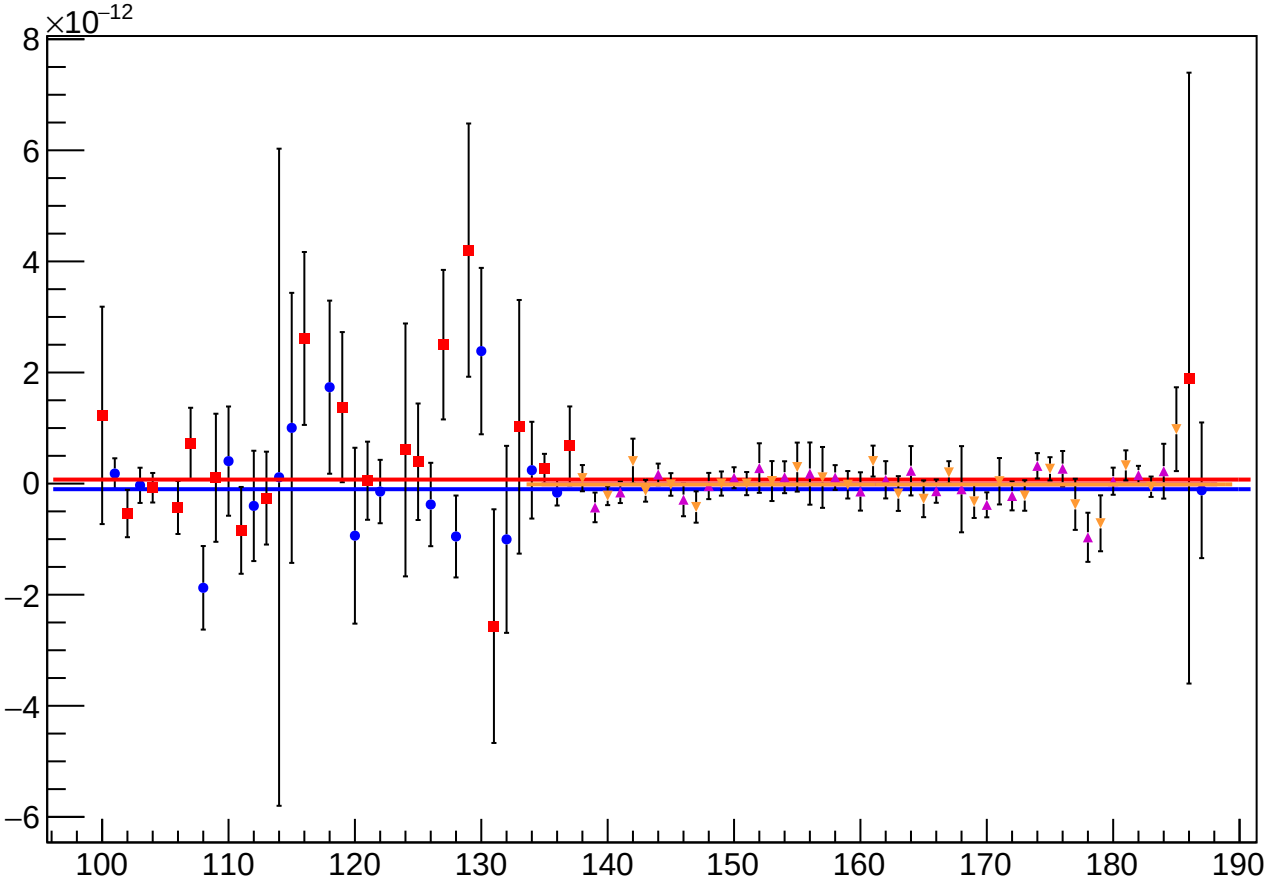
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 8959.971+/-1.254 χ^2/NDF: 2040517.8/41

All: 8880.606+/-0.886 χ^2/NDF: 4536718.3/84

- sign 8801.374+/-1.253 χ^2/NDF: 2488198.0/42

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/19

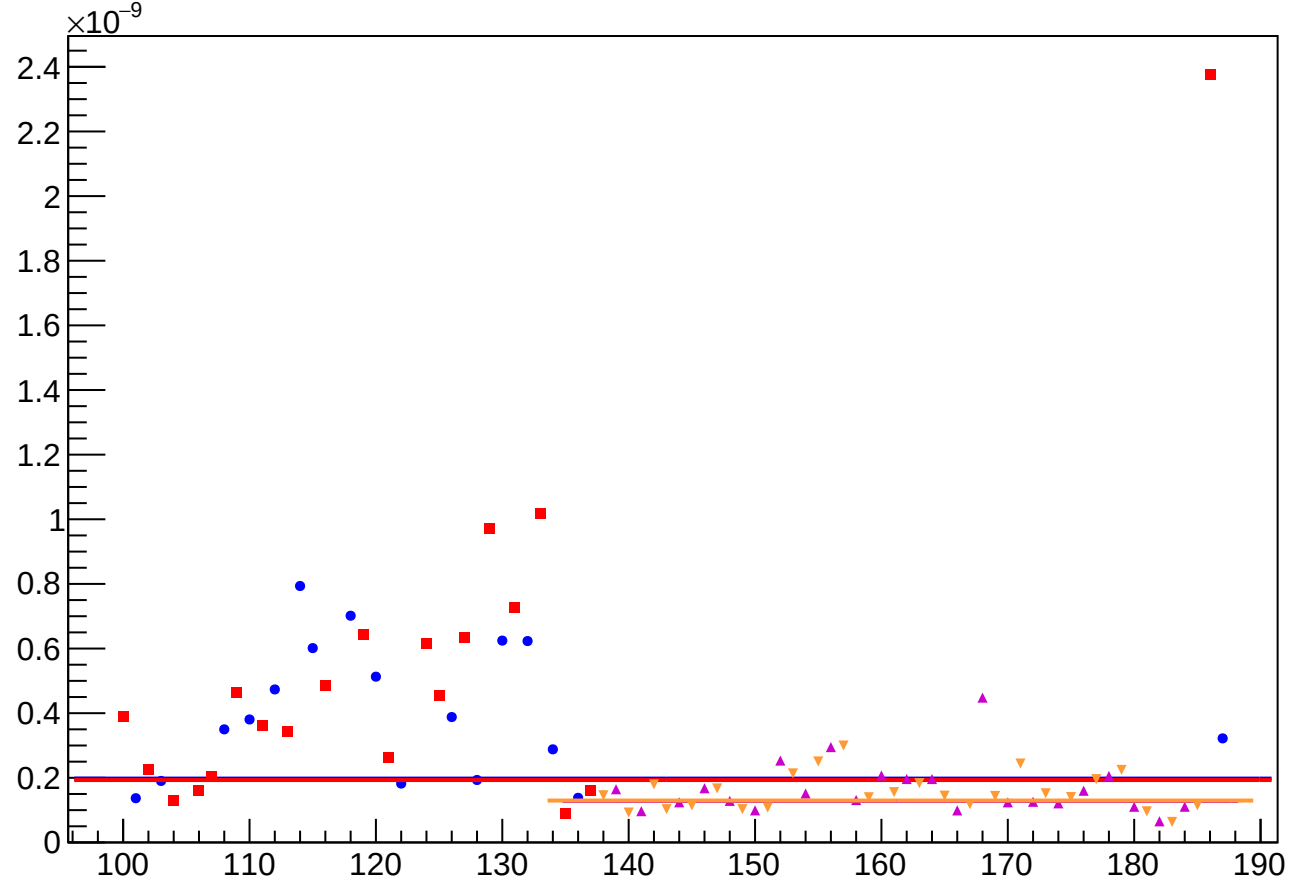
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 33.4/41

All: -0.000+/-0.000 χ^2/NDF: 72.7/84

- sign -0.000+/-0.000 χ^2/NDF: 39.2/42

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1363288.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2381764.8/19

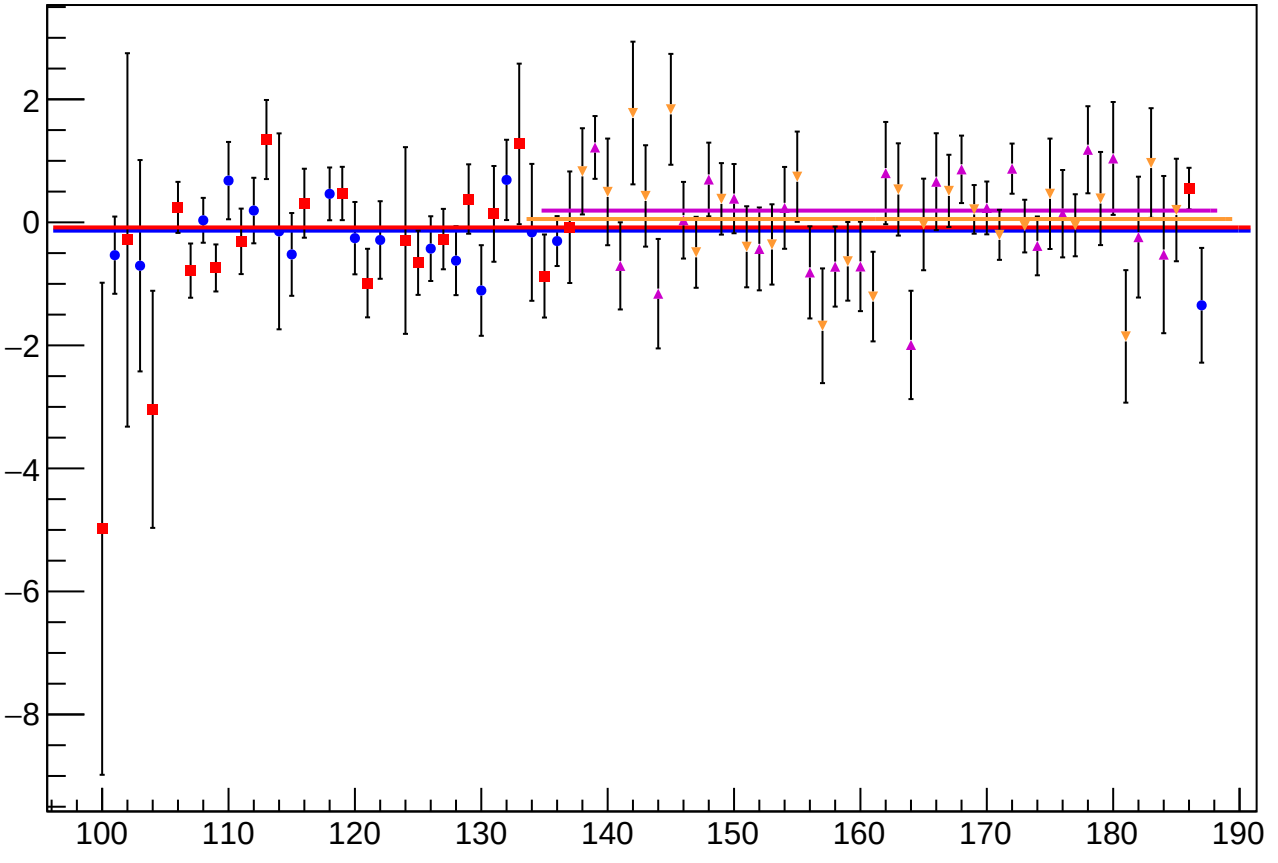
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3201510.5/41

All: 0.000+/-0.000 χ^2/NDF: 7476779.2/84

- sign 0.000+/-0.000 χ^2/NDF: 4273710.6/42

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.083+/-0.127 χ^2/NDF: 27.9/19

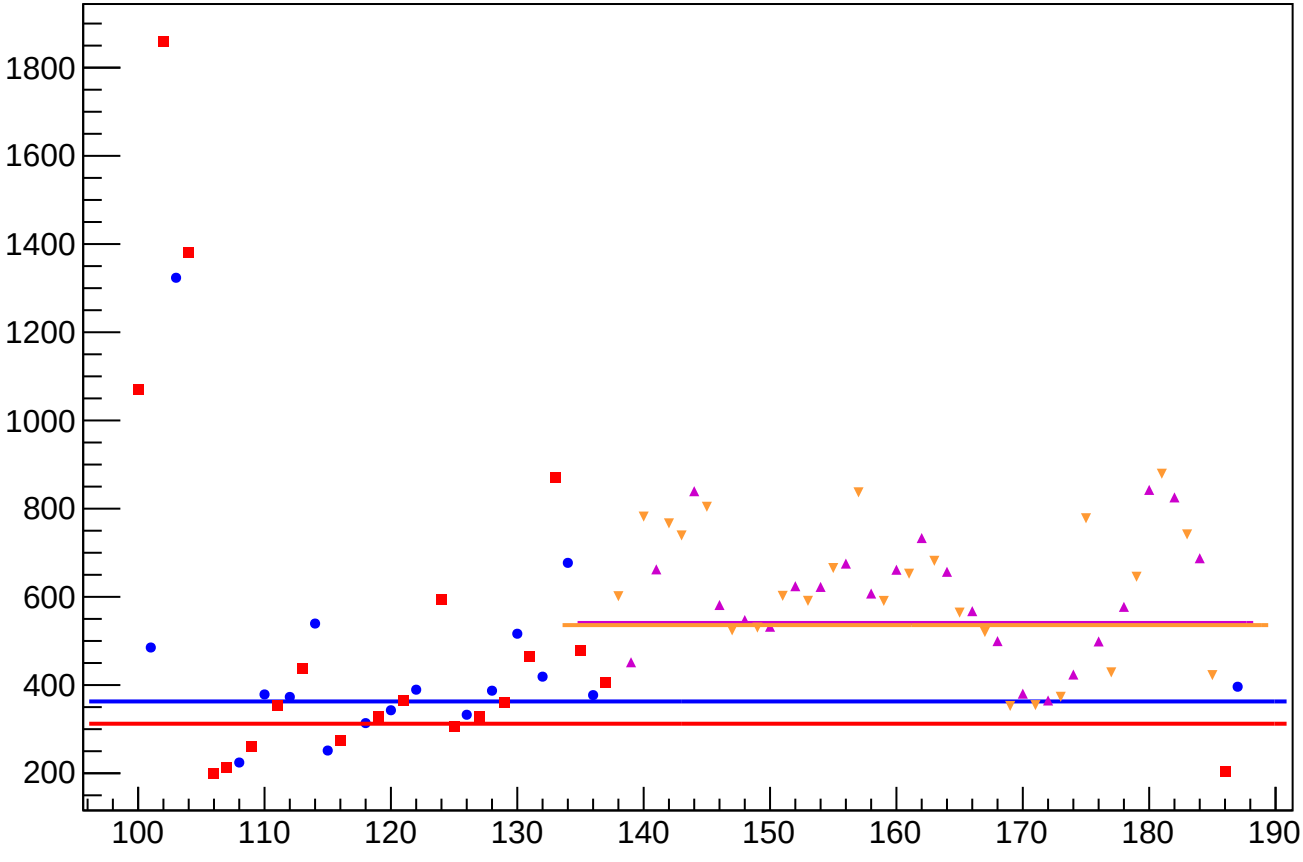
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.031+/-0.096 χ^2/NDF: 37.1/41

All: 0.010+/-0.066 χ^2/NDF: 98.7/84

- sign 0.048+/-0.092 χ^2/NDF: 61.3/42

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 362.839+/-0.101 χ^2/NDF: 1379950.0/16

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 312.318+/-0.090 χ^2/NDF: 2482444.0/19

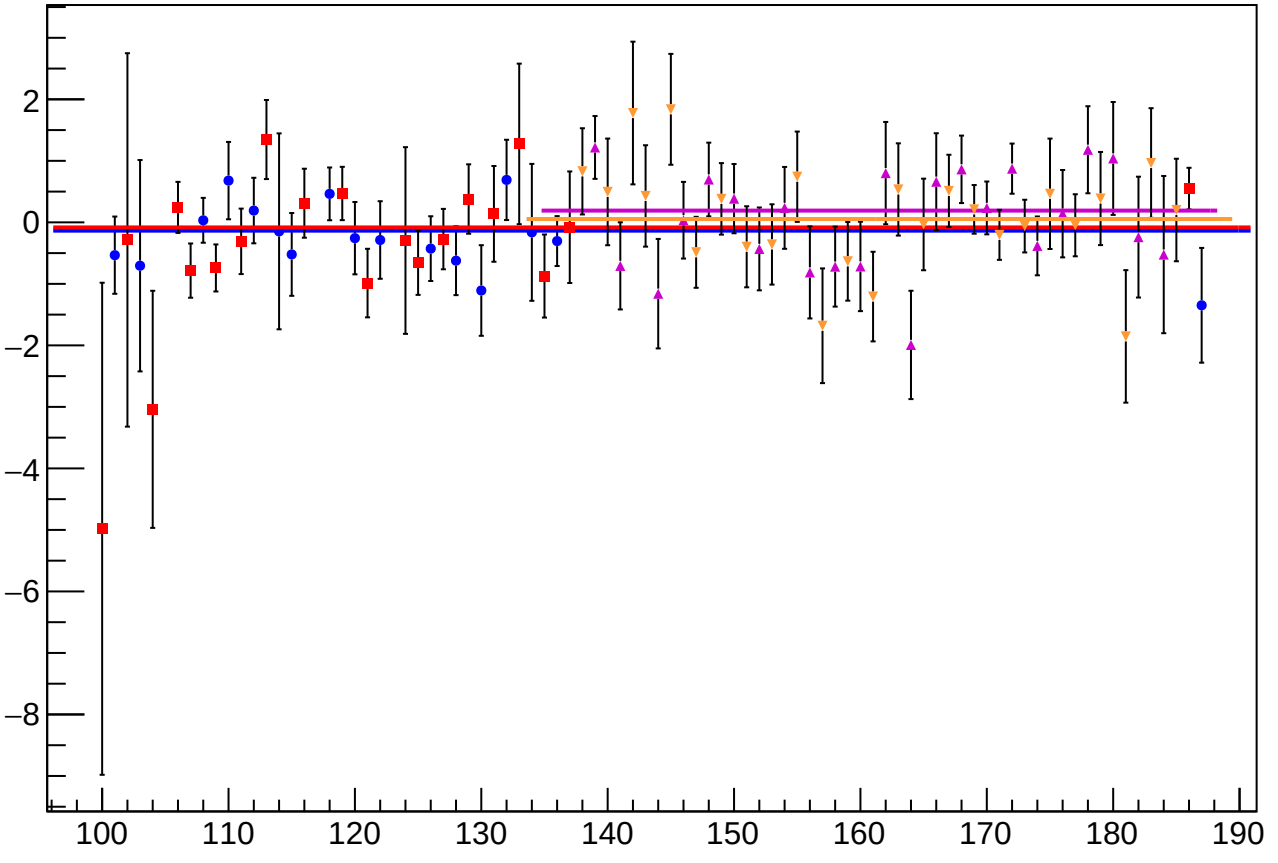
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 457.931+/-0.068 χ^2/NDF: 5740167.9/41

All: 438.920+/-0.047 χ^2/NDF: 13355343.4/84

- sign 421.449+/-0.065 χ^2/NDF: 7464602.8/42

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.083+/-0.127 χ^2/NDF: 27.9/19

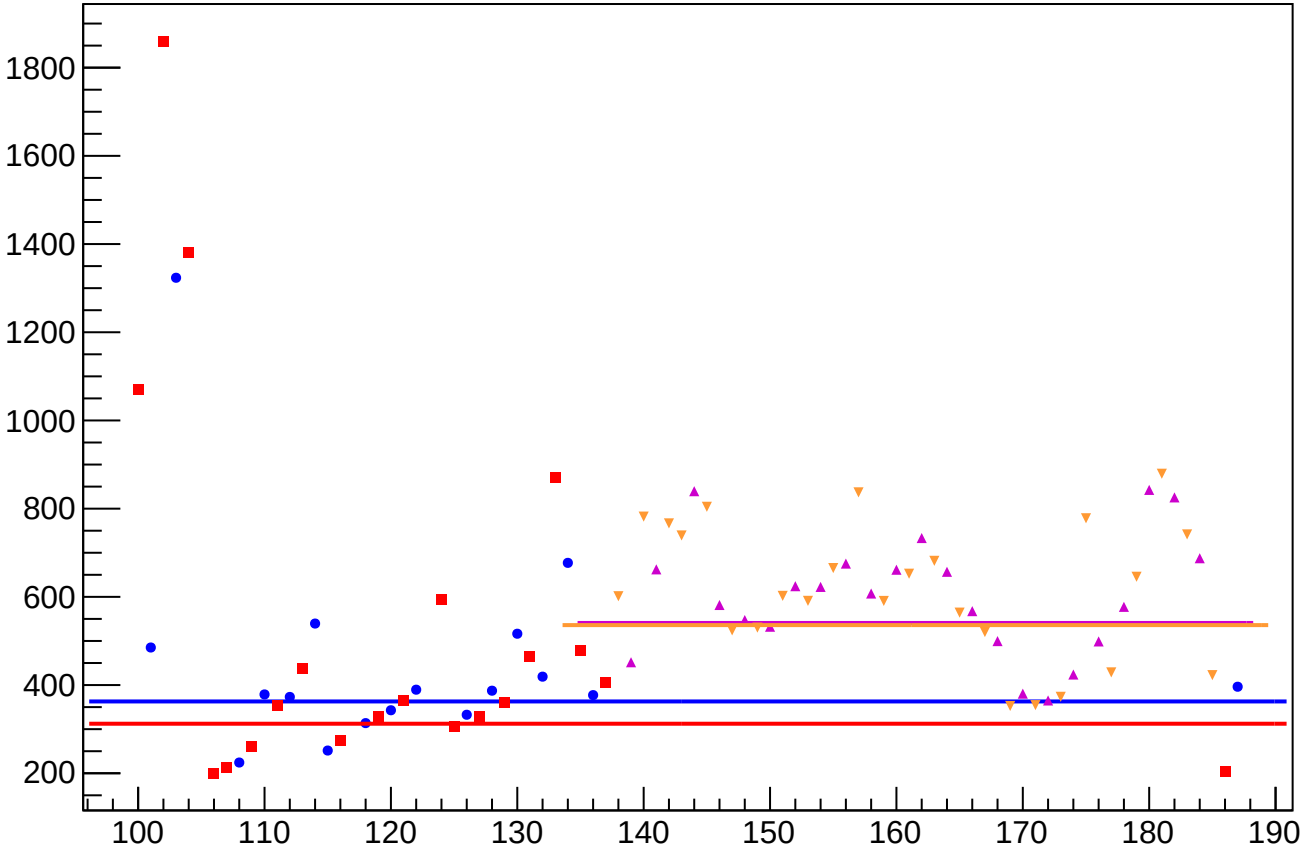
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.031+/-0.096 χ^2/NDF: 37.1/41

All: 0.010+/-0.066 χ^2/NDF: 98.7/84

- sign 0.048+/-0.092 χ^2/NDF: 61.3/42

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.839+/-0.101 χ^2/NDF: 1379950.0/16

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

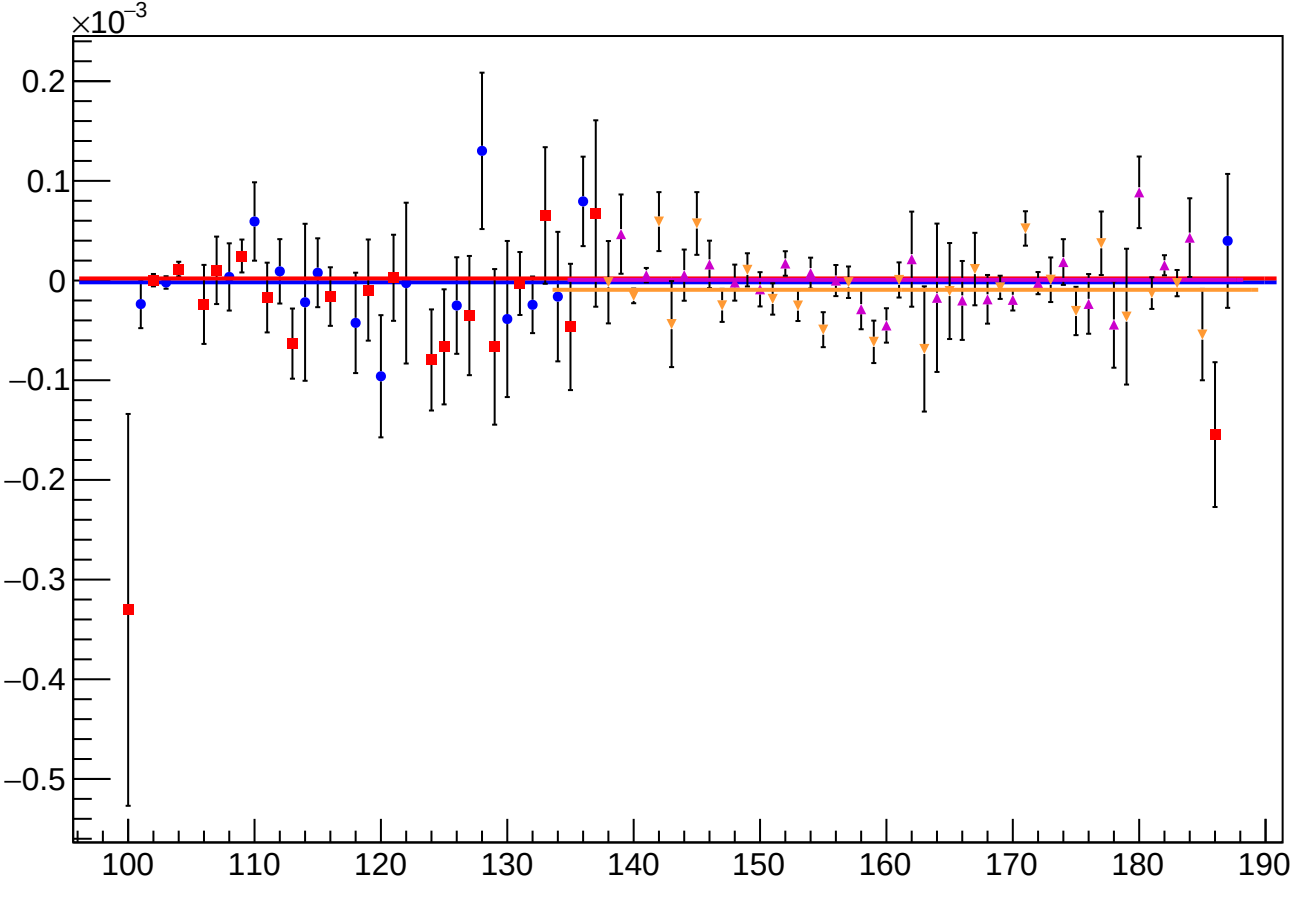
Right Out: 312.318+/-0.090 χ^2/NDF: 2482444.0/19

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 457.931+/-0.068 χ^2/NDF: 5740167.9/41

All: 438.920+/-0.047 χ^2/NDF: 13355343.4/84

- sign 421.449+/-0.065 χ^2/NDF: 7464602.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/19

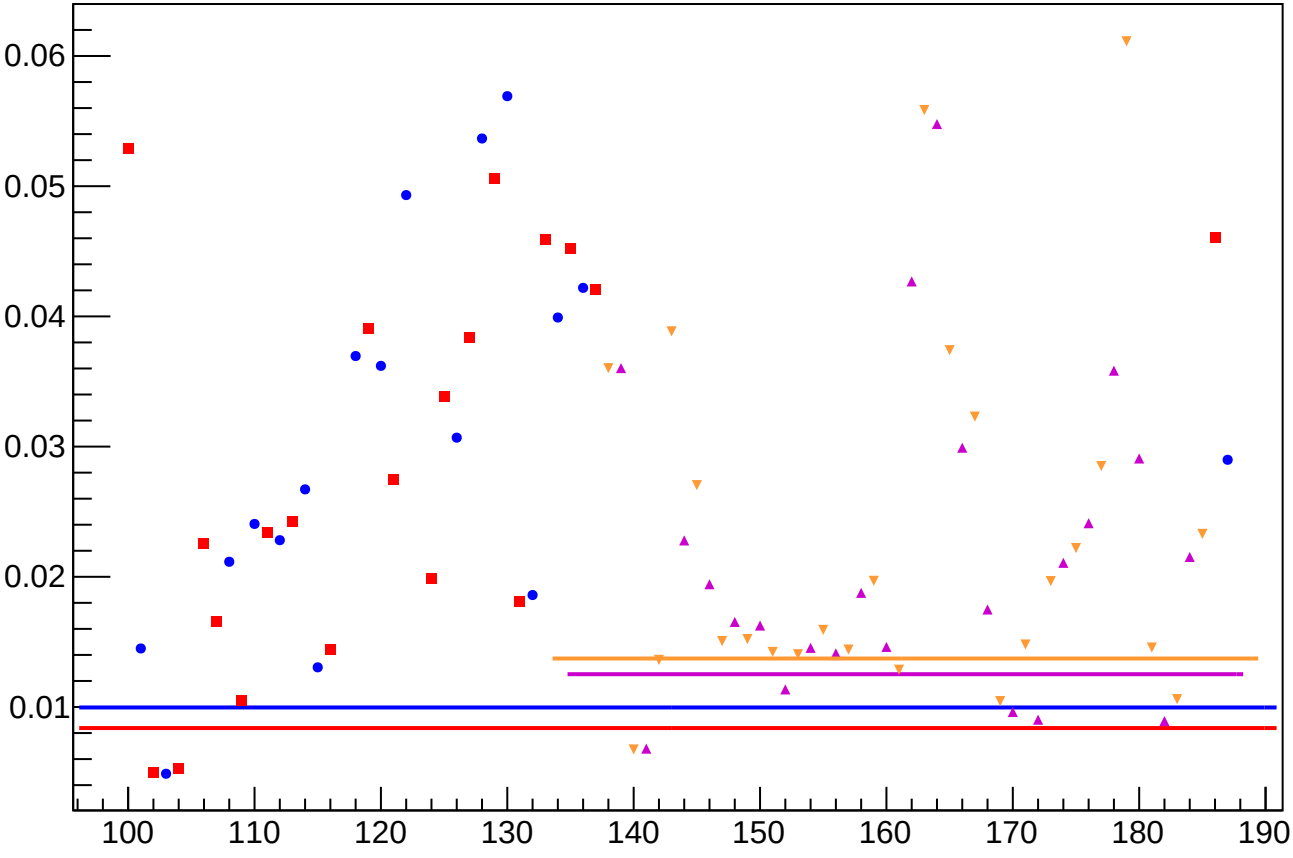
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.6/41

All: -0.000+/-0.000 χ^2/NDF: 117.8/84

- sign 0.000+/-0.000 χ^2/NDF: 52.9/42

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 7213764.9/16

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7281911.8/19

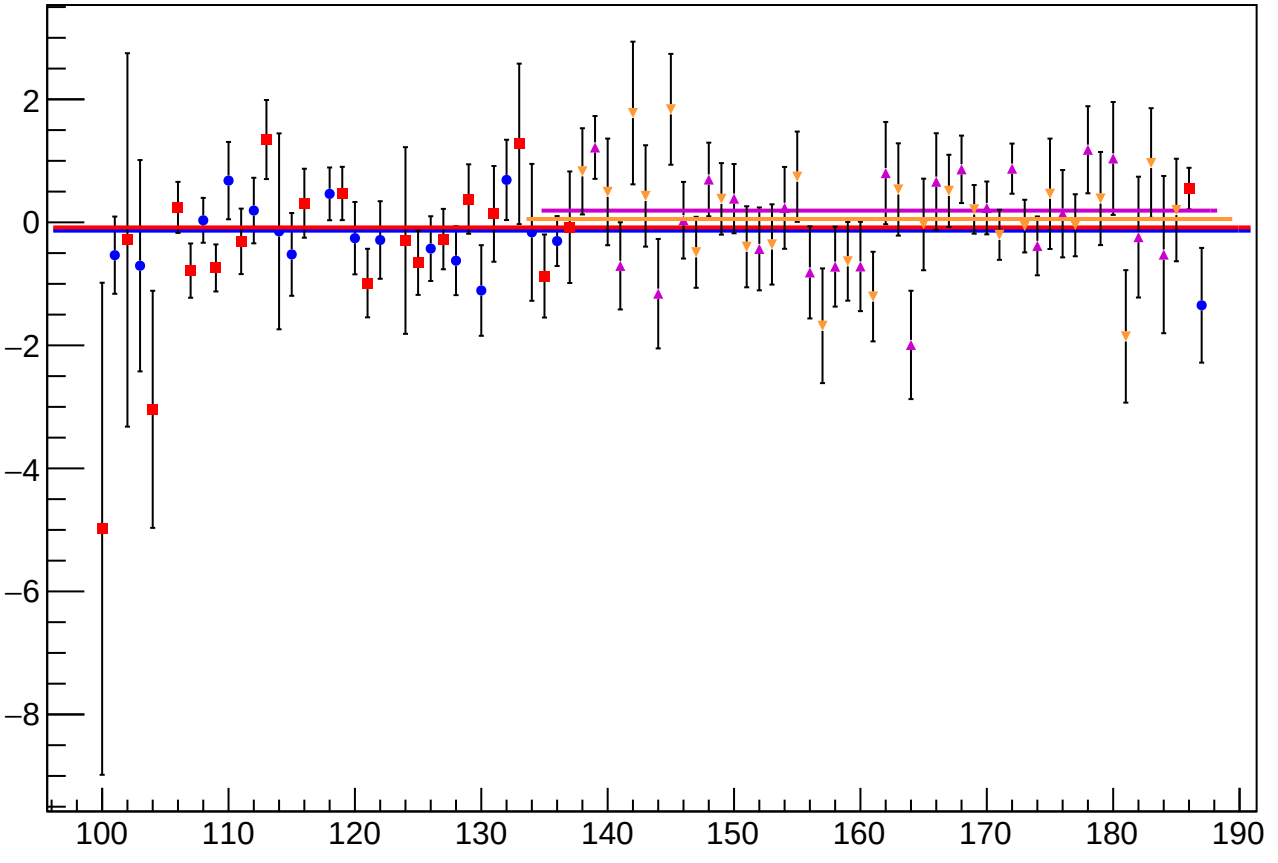
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 15603623.0/41

All: 0.012+/-0.000 χ^2/NDF: 31520703.4/84

- sign 0.011+/-0.000 χ^2/NDF: 15558966.0/42

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.083+/-0.127 χ^2/NDF: 27.9/19

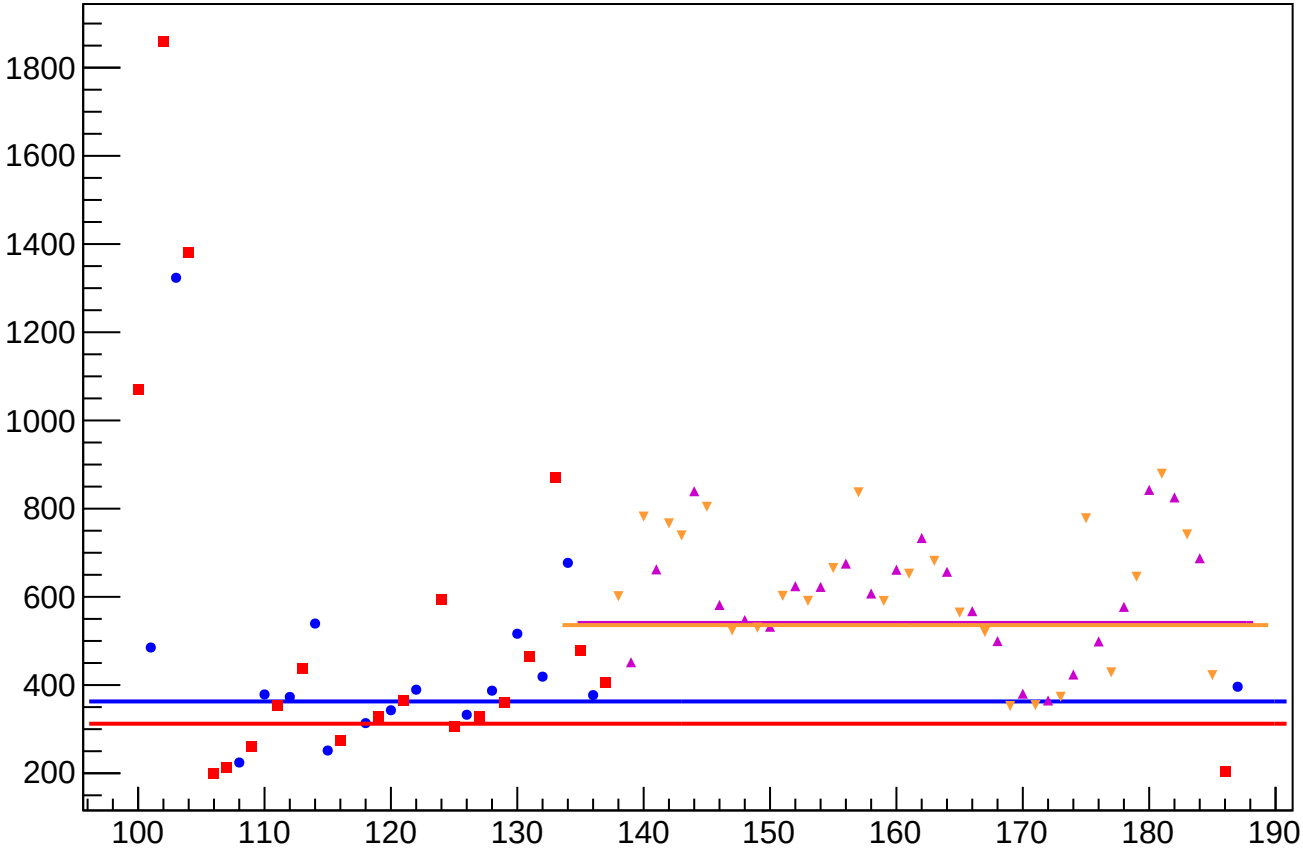
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.031+/-0.096 χ^2/NDF: 37.1/41

All: 0.010+/-0.066 χ^2/NDF: 98.7/84

- sign 0.048+/-0.092 χ^2/NDF: 61.3/42

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 362.837+/-0.101 χ^2/NDF: 1379952.0/16

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

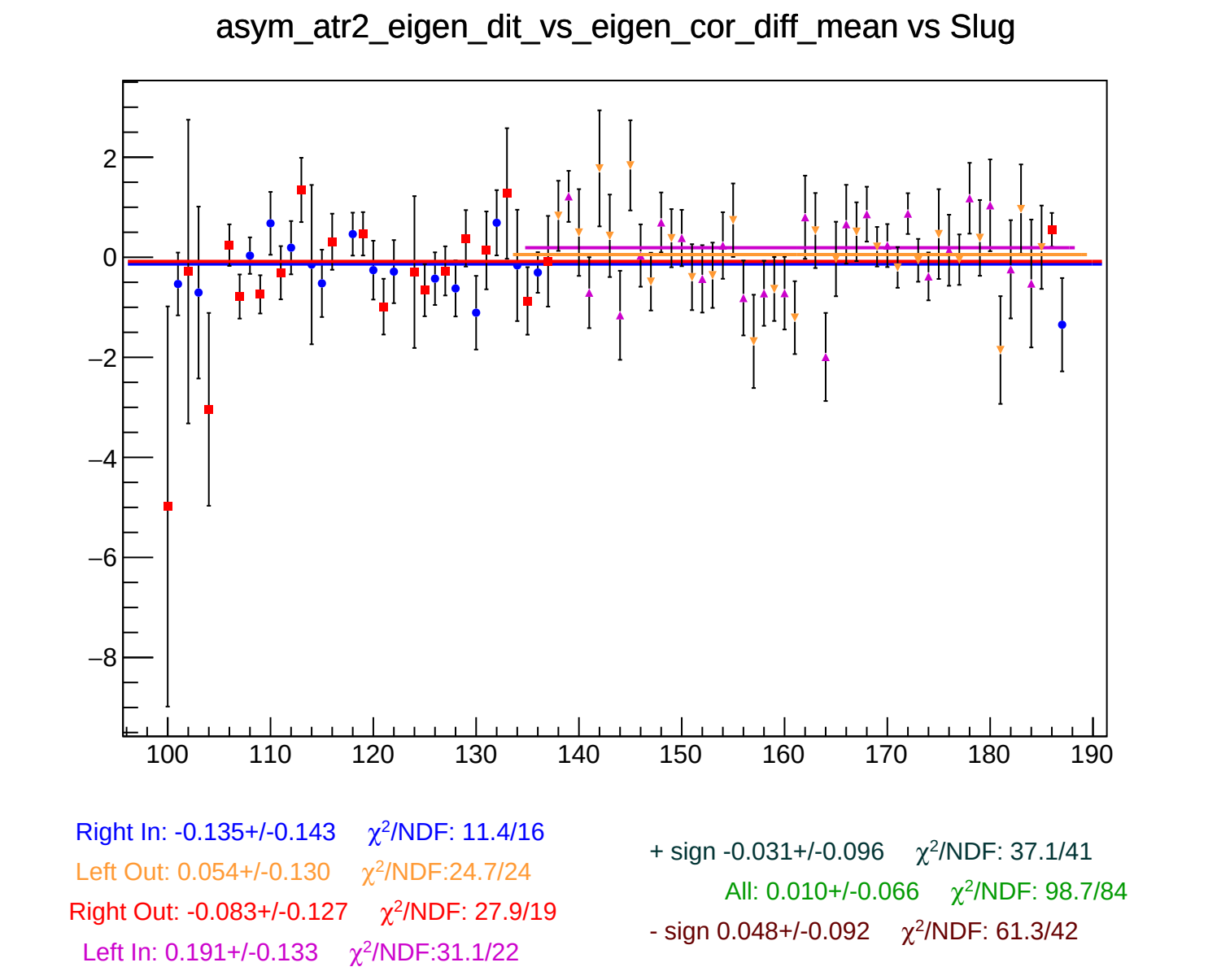
Right Out: 312.319+/-0.090 χ^2/NDF: 2482374.4/19

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

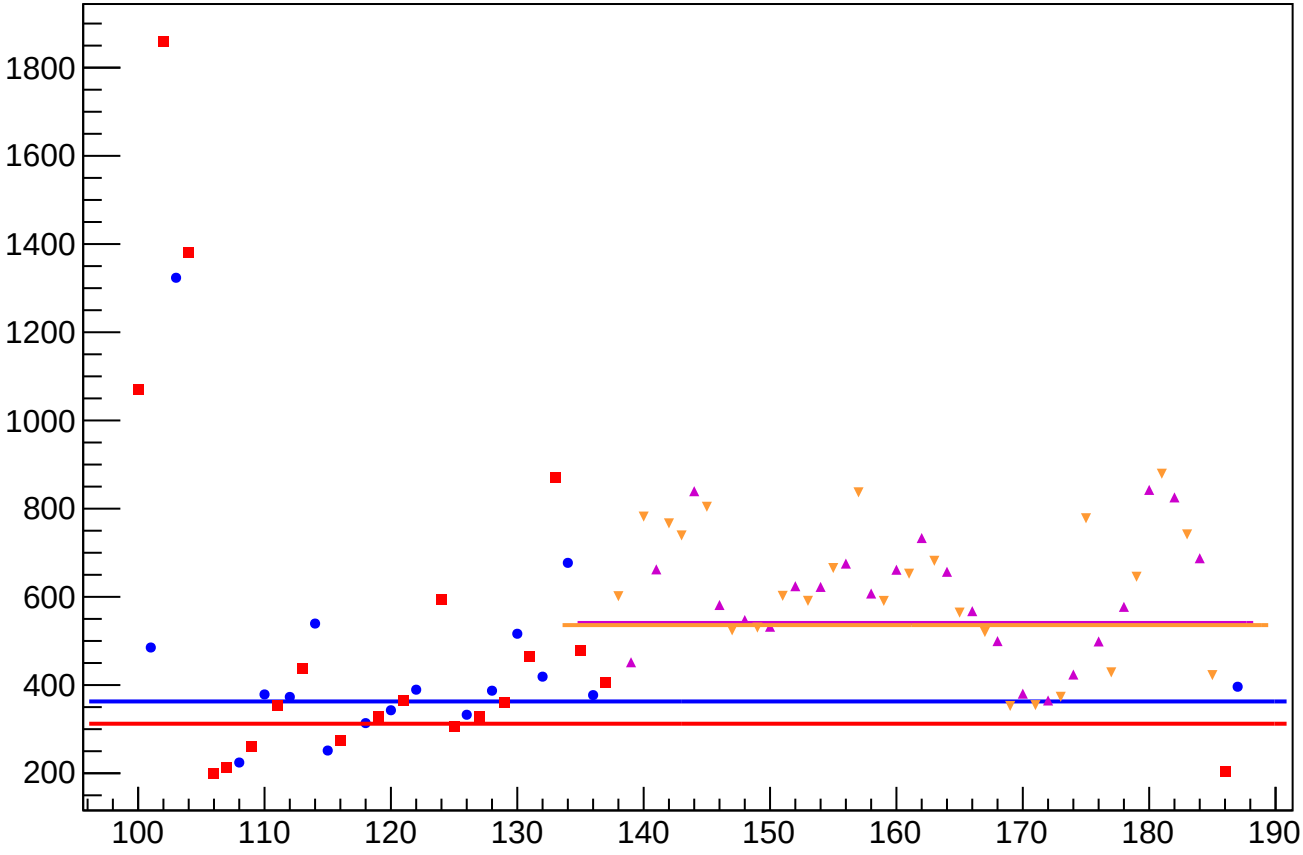
+ sign 457.931+/-0.068 χ^2/NDF: 5740387.9/41

All: 438.921+/-0.047 χ^2/NDF: 13355559.5/84

- sign 421.452+/-0.065 χ^2/NDF: 7464622.0/42


asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.135+/-0.143 χ²/NDF: 11.4/16
Left Out: 0.054+/-0.130 χ²/NDF:24.7/24
Right Out: -0.083+/-0.127 χ²/NDF: 27.9/19
Left In: 0.191+/-0.133 χ²/NDF:31.1/22
+ sign -0.031+/-0.096 χ²/NDF: 37.1/41
All: 0.010+/-0.066 χ²/NDF: 98.7/84
- sign 0.048+/-0.092 χ²/NDF: 61.3/42

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 362.837+/-0.101 χ^2/NDF: 1379952.0/16

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 312.319+/-0.090 χ^2/NDF: 2482374.4/19

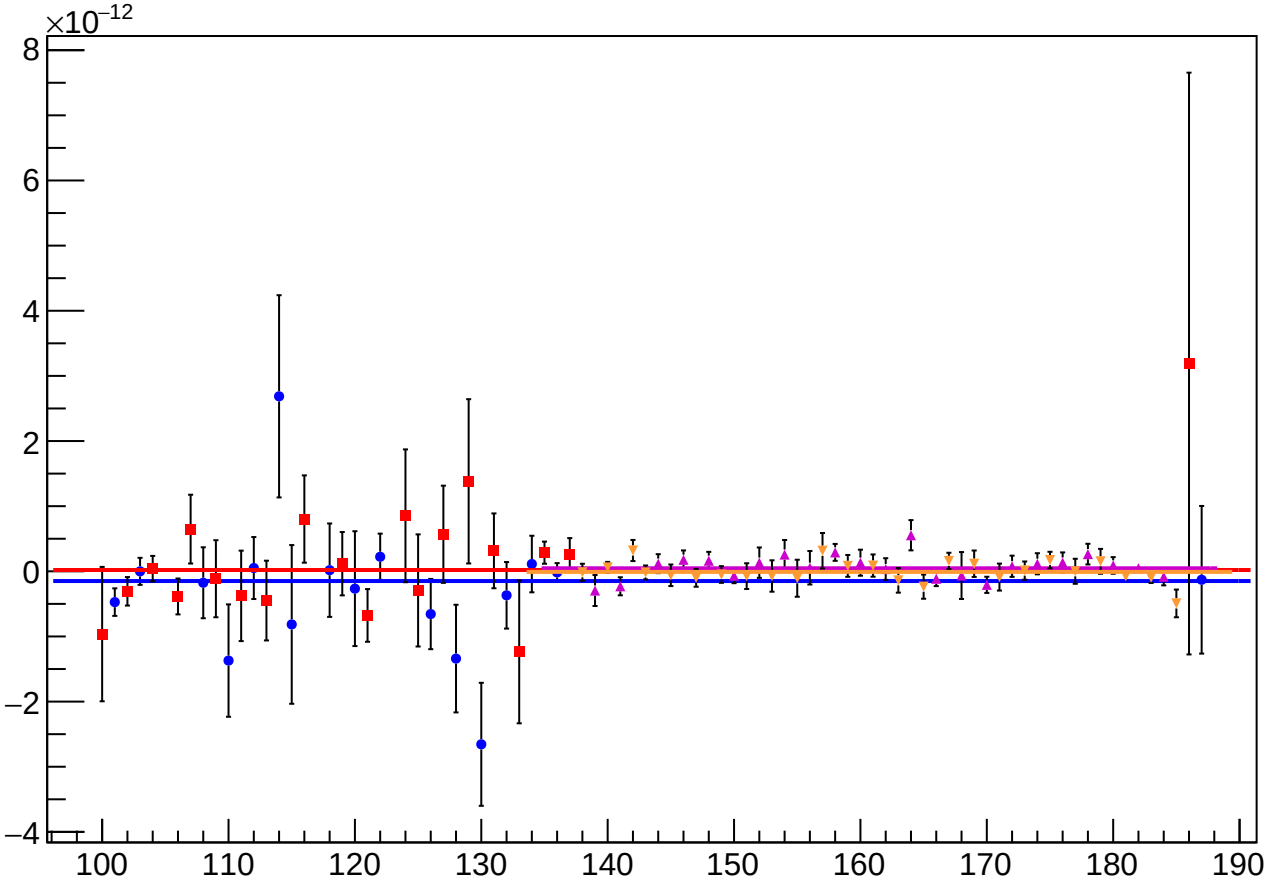
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 457.931+/-0.068 χ^2/NDF: 5740387.9/41

All: 438.921+/-0.047 χ^2/NDF: 13355559.5/84

- sign 421.452+/-0.065 χ^2/NDF: 7464622.0/42

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

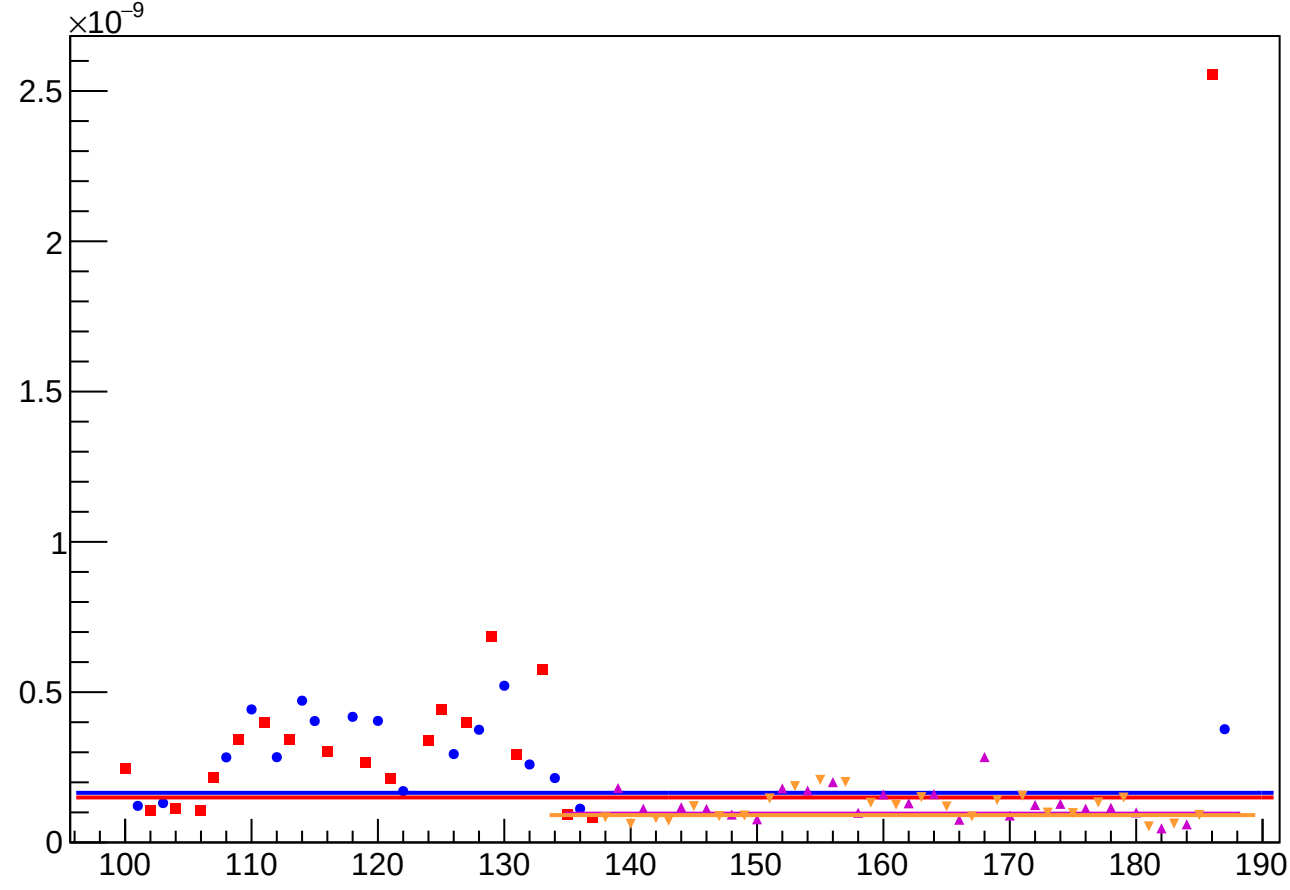
Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/19

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.7/41

All: 0.000+/-0.000 χ^2/NDF: 96.9/84

- sign 0.000+/-0.000 χ^2/NDF: 48.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2081364.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3426341.1/19

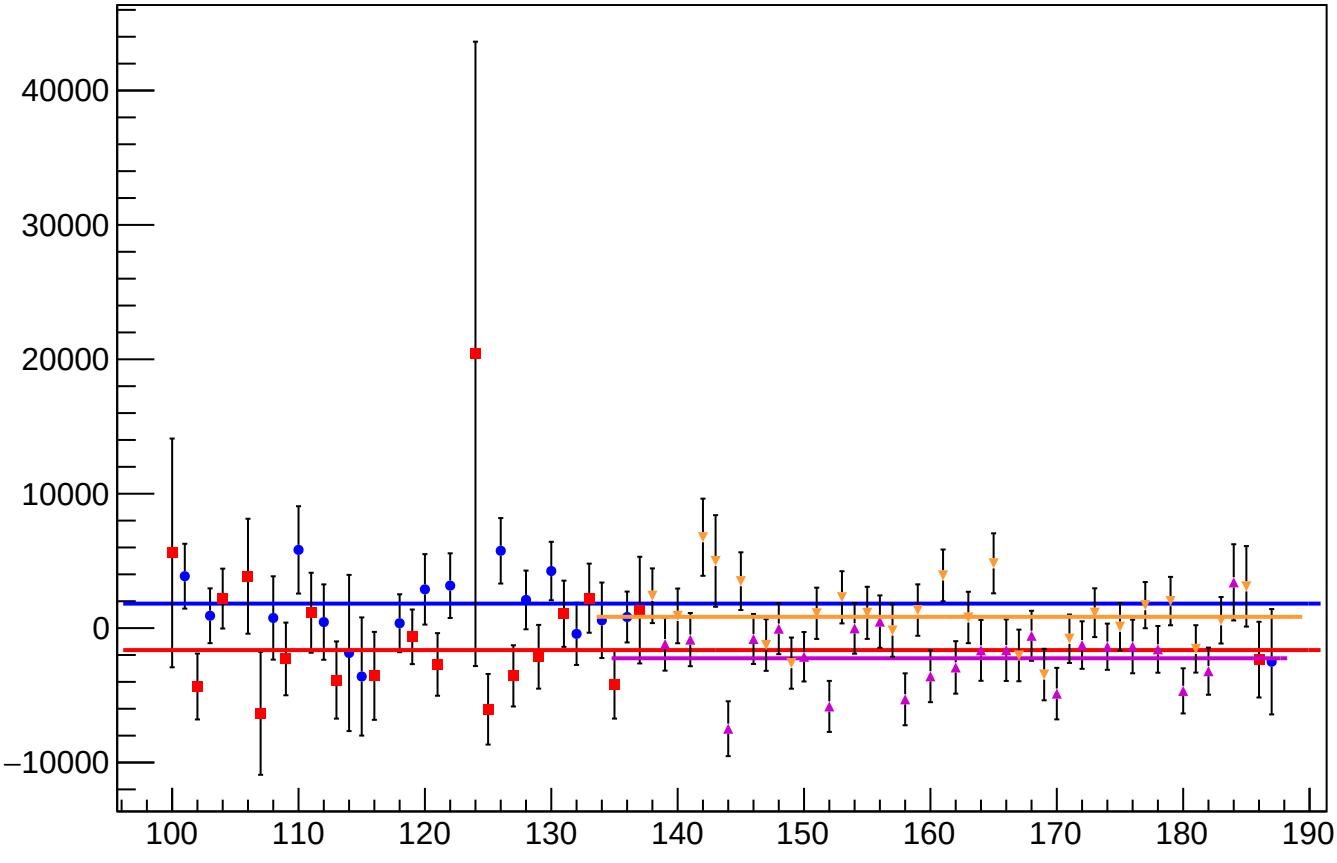
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 6768965.3/41

All: 0.000+/-0.000 χ^2/NDF: 14865042.6/84

- sign 0.000+/-0.000 χ^2/NDF: 8075152.6/42

reg_asym_atl_avg_mean vs Slug



Right In: 1823.742+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1634.911+/-626.135 χ^2/NDF: 19.5/19

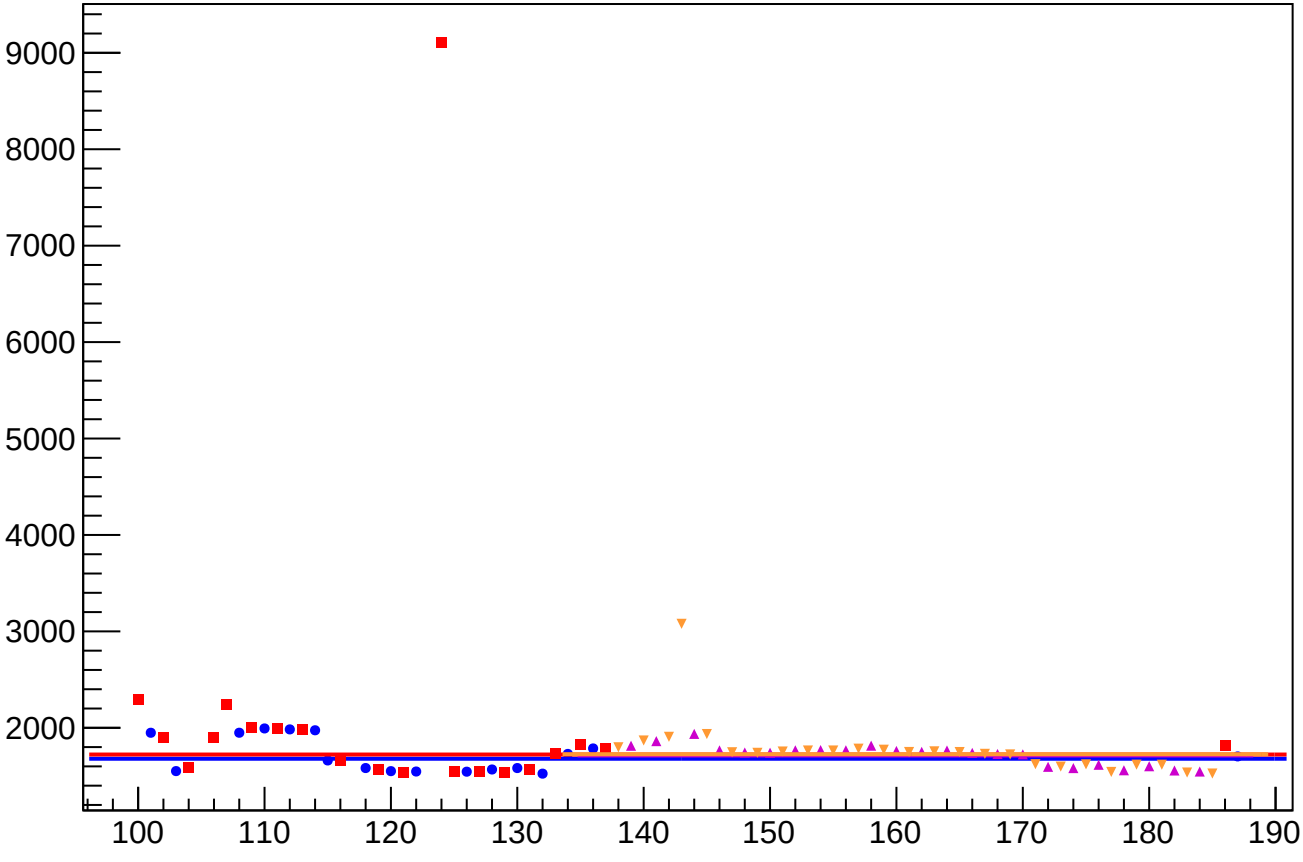
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1124.585+/-332.797 χ^2/NDF: 44.3/41

All: -449.006+/-236.981 χ^2/NDF: 139.2/84

- sign -2067.734+/-337.537 χ^2/NDF: 49.6/42

reg_asym_atl_avg_rms vs Slug



Right In: 1679.164+/-0.438 χ^2/NDF: 141560.7/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

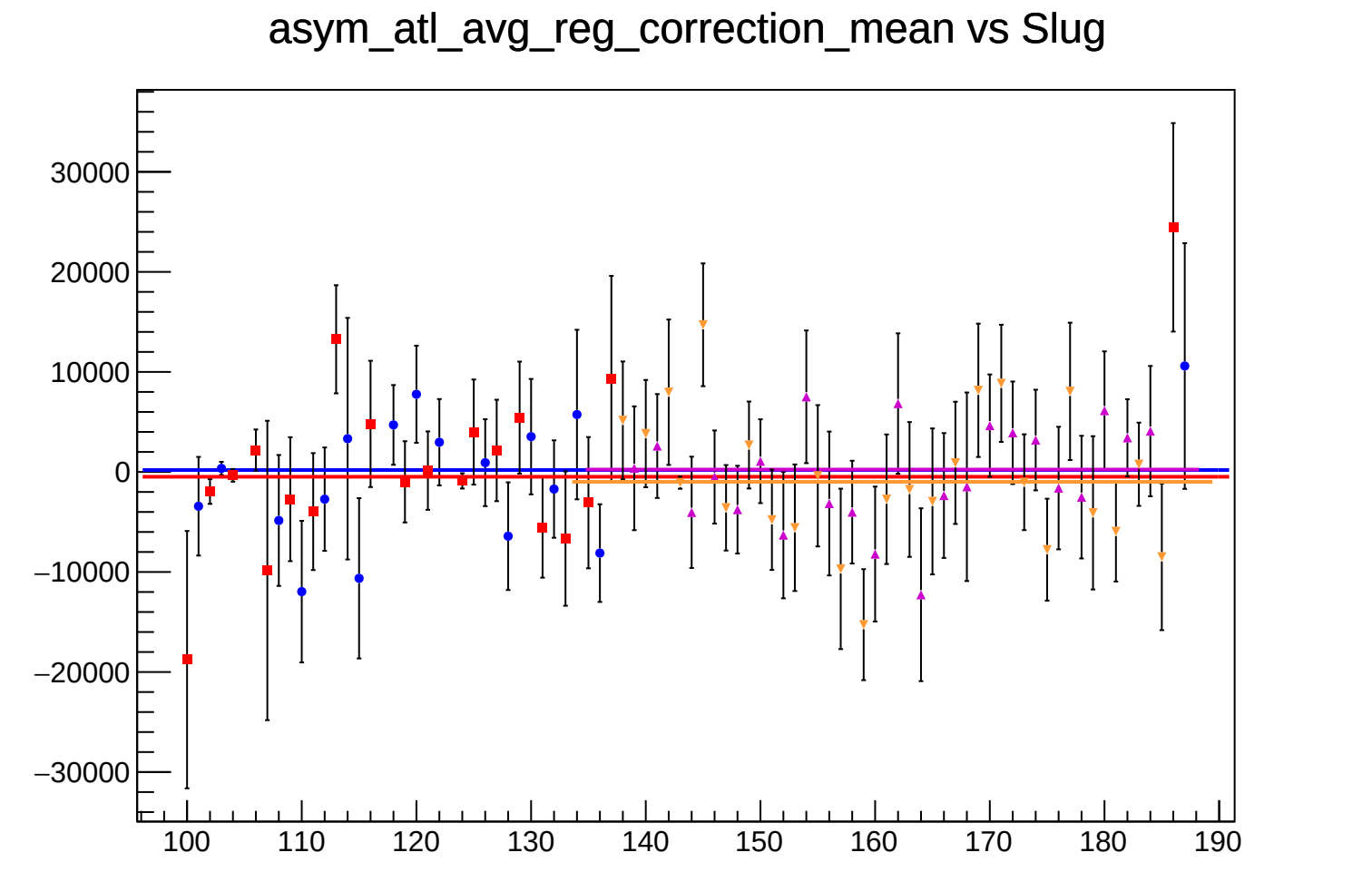
Right Out: 1722.893+/-0.441 χ^2/NDF: 385276.6/19

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.545+/-0.235 χ^2/NDF: 604637.2/41

All: 1714.252+/-0.167 χ^2/NDF: 1119656.3/84

- sign 1716.003+/-0.238 χ^2/NDF: 514912.5/42



Right In: 192.407+/-590.922 χ^2/NDF: 16.5/16

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -479.643+/-424.430 χ^2/NDF: 24.3/19

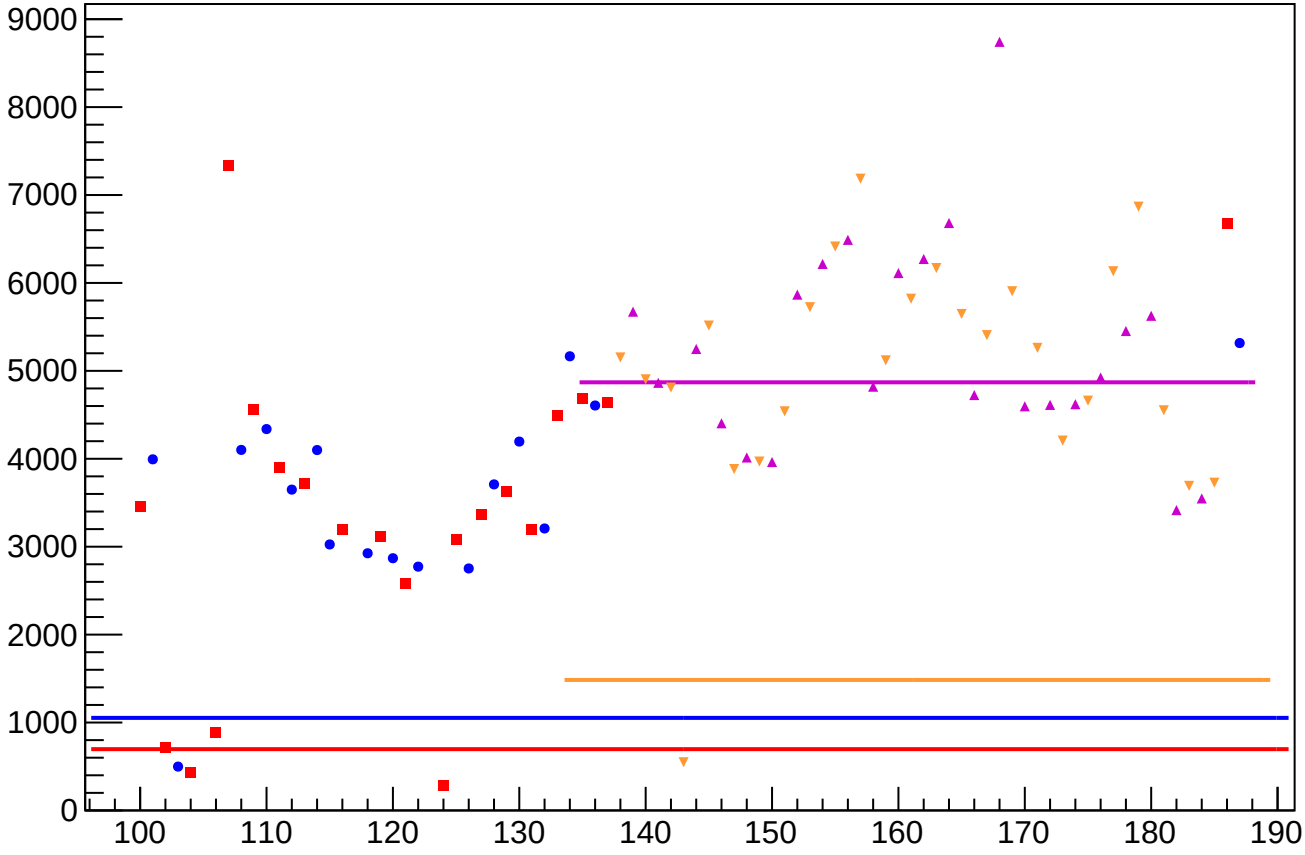
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -449.279+/-399.129 χ^2/NDF: 49.5/41

All: -422.303+/-282.107 χ^2/NDF: 87.7/84

- sign -395.373+/-398.791 χ^2/NDF: 38.2/42

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1053.007+/-0.418 χ^2/NDF: 8353413.0/16

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 697.265+/-0.300 χ^2/NDF: 9290970.6/19

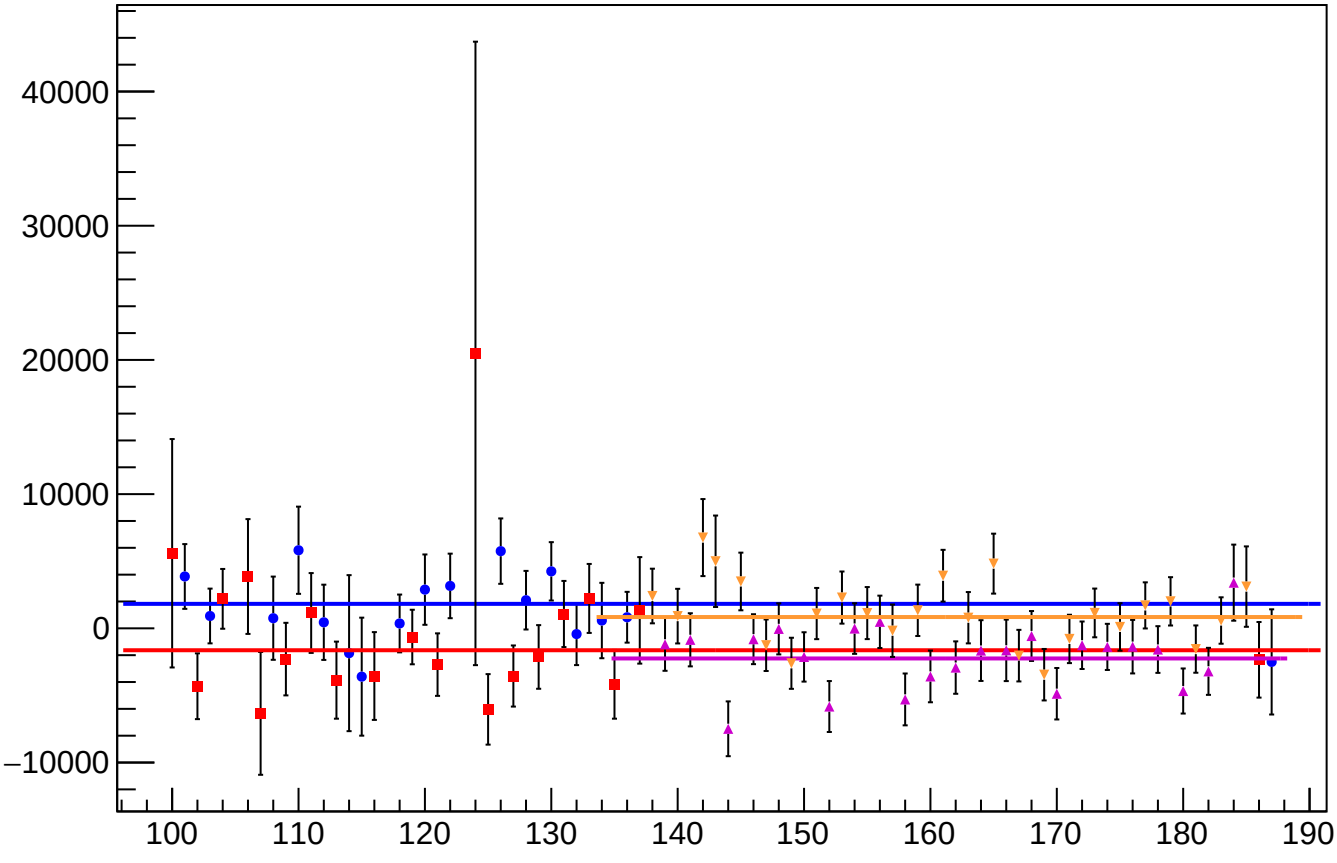
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1287.683+/-0.282 χ^2/NDF: 32158420.5/41

All: 1236.867+/-0.199 χ^2/NDF: 65634991.2/8

- sign 1186.137+/-0.282 χ^2/NDF: 33411787.1/42

cor_asym_atl_avg_mean vs Slug



Right In: 1823.846+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1632.582+/-626.140 χ^2/NDF: 19.4/19

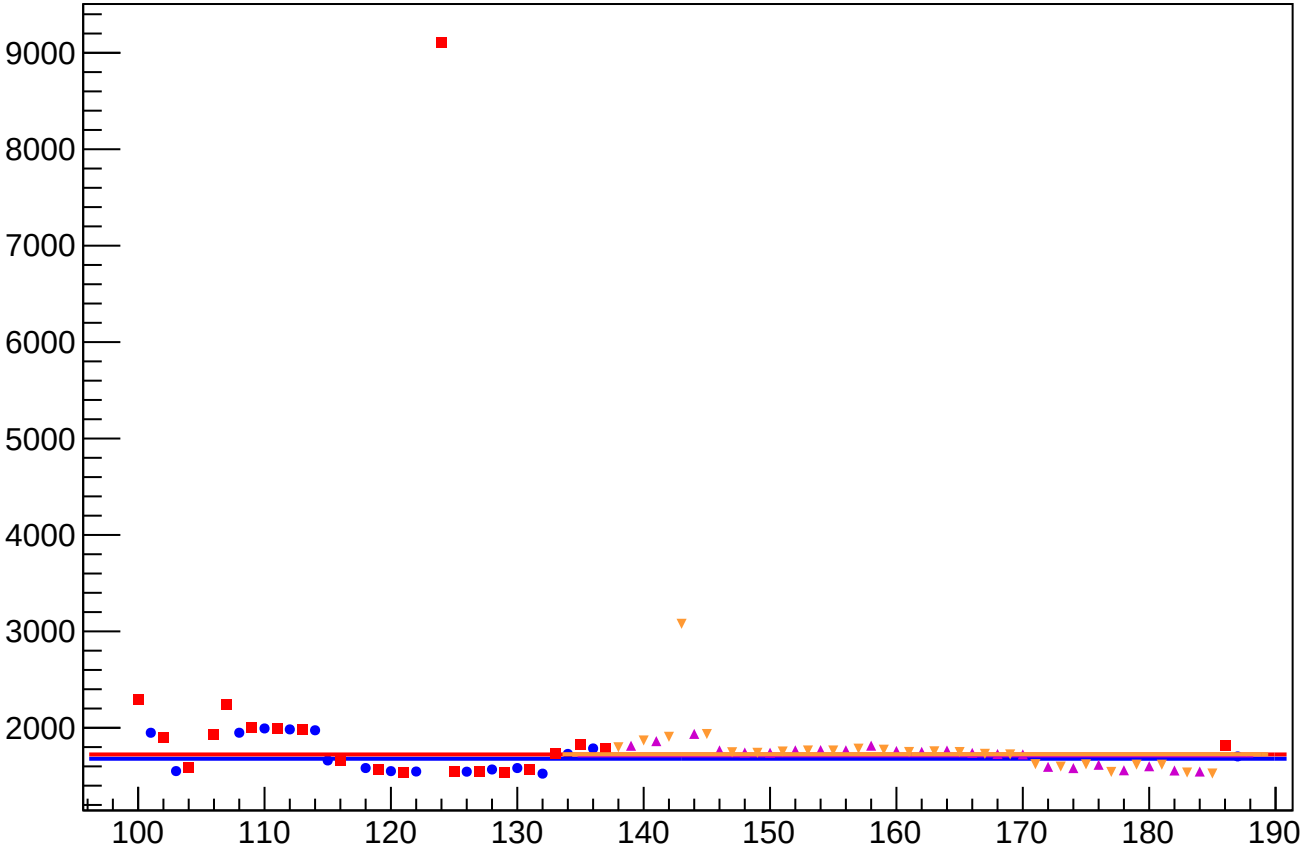
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1124.610+/-332.797 χ^2/NDF: 44.3/41

All: -448.664+/-236.981 χ^2/NDF: 139.2/84

- sign -2067.072+/-337.537 χ^2/NDF: 49.5/42

cor_asym_atl_avg_rms vs Slug



Right In: 1679.163+/-0.438 χ^2/NDF: 141560.8/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

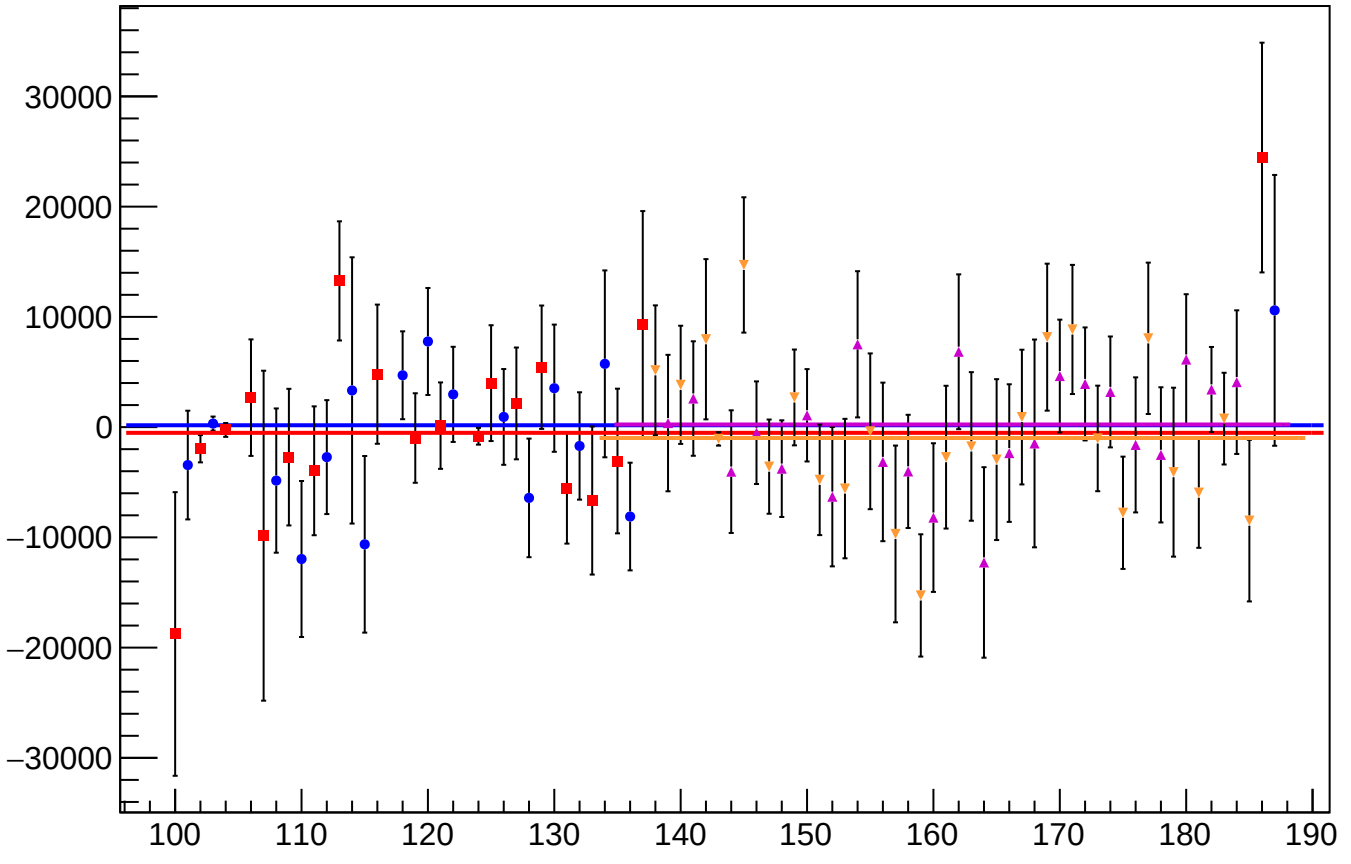
Right Out: 1723.691+/-0.441 χ^2/NDF: 386982.2/19

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.545+/-0.235 χ^2/NDF: 604637.3/41

All: 1714.366+/-0.167 χ^2/NDF: 1121435.3/84

- sign 1716.235+/-0.238 χ^2/NDF: 516676.8/42



Right In: 169.734+/-578.713 χ^2/NDF: 16.5/16

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -518.803+/-430.254 χ^2/NDF: 23.0/19

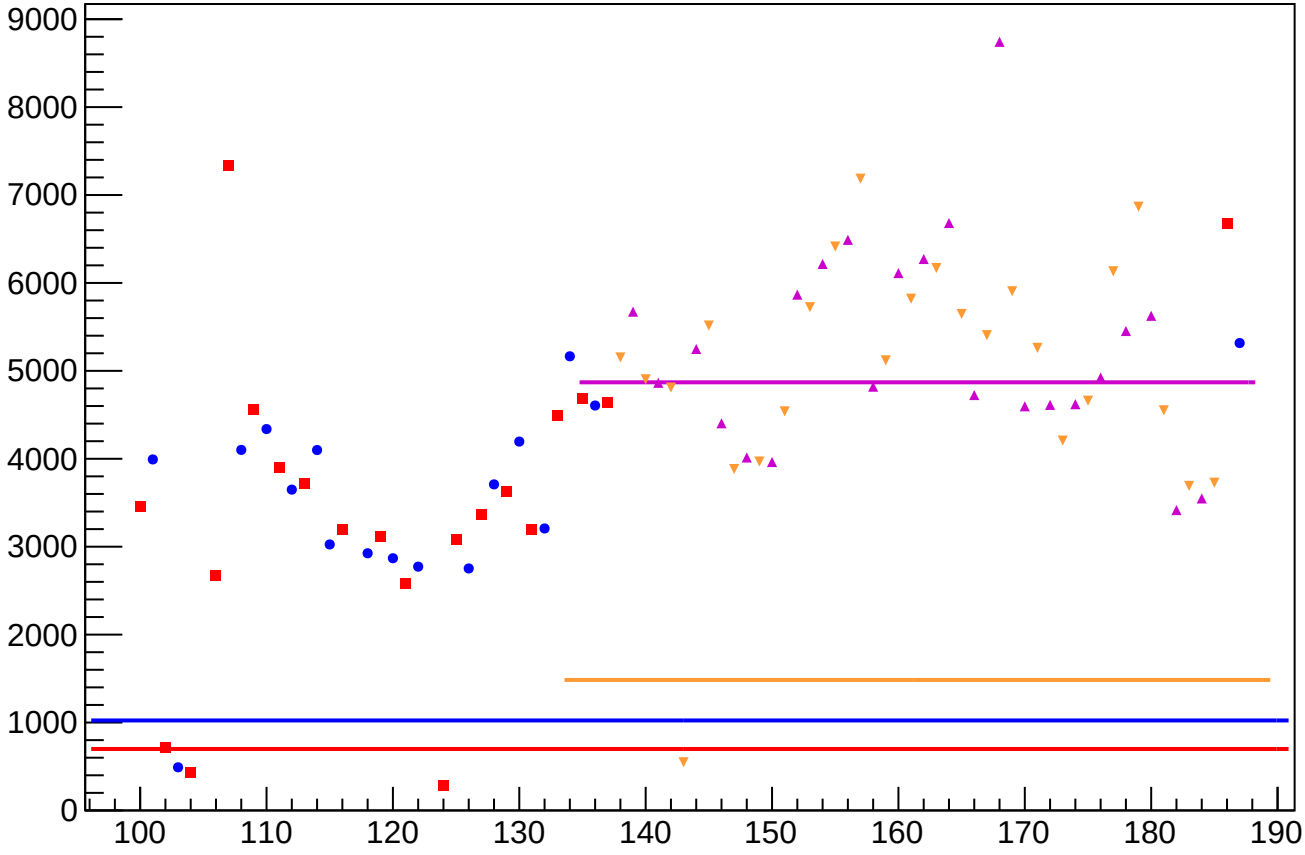
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -447.457+/-395.296 χ^2/NDF: 49.5/41

All: -437.832+/-282.410 χ^2/NDF: 86.4/84

- sign -427.797+/-403.610 χ^2/NDF: 36.9/42

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1023.645+/-0.409 χ^2/NDF: 8467847.9/16

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 699.262+/-0.304 χ^2/NDF: 9569395.7/19

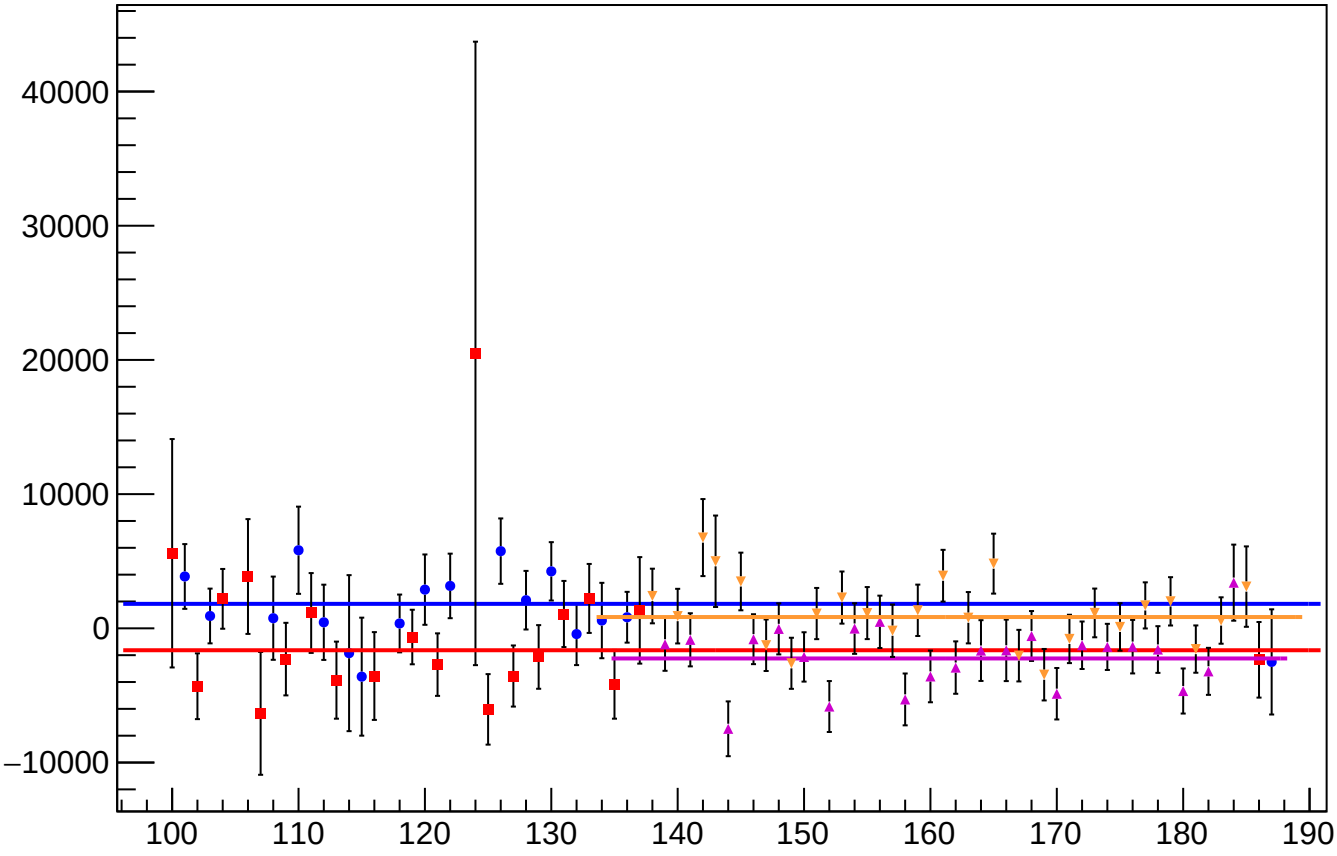
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1269.470+/-0.280 χ^2/NDF: 32369937.9/41

All: 1235.351+/-0.200 χ^2/NDF: 65995892.1/8

- sign 1199.781+/-0.285 χ^2/NDF: 33595520.8/42

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1823.846+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1632.582+/-626.140 χ^2/NDF: 19.4/19

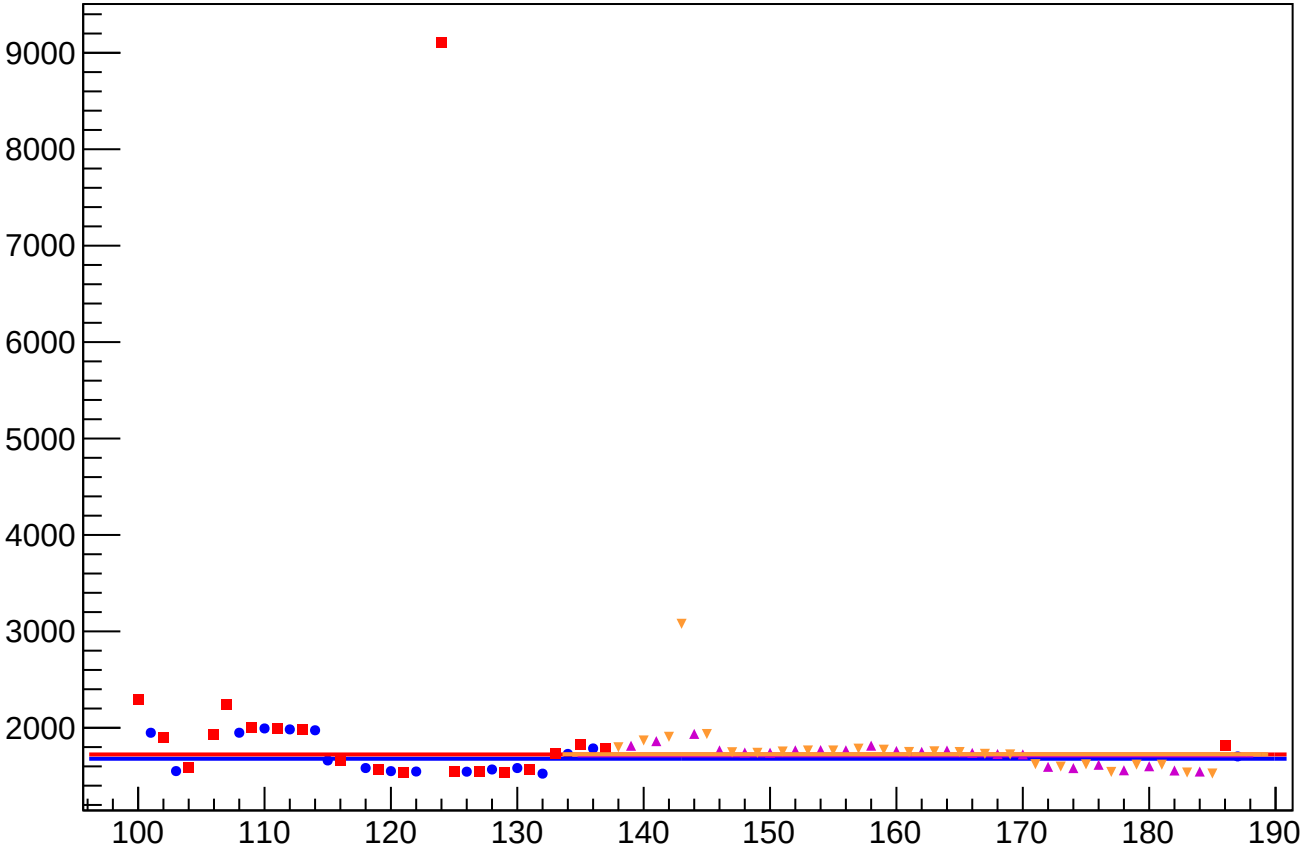
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1124.610+/-332.797 χ^2/NDF: 44.3/41

All: -448.664+/-236.981 χ^2/NDF: 139.2/84

- sign -2067.072+/-337.537 χ^2/NDF: 49.5/42

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1679.163+/-0.438 χ^2/NDF: 141560.8/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

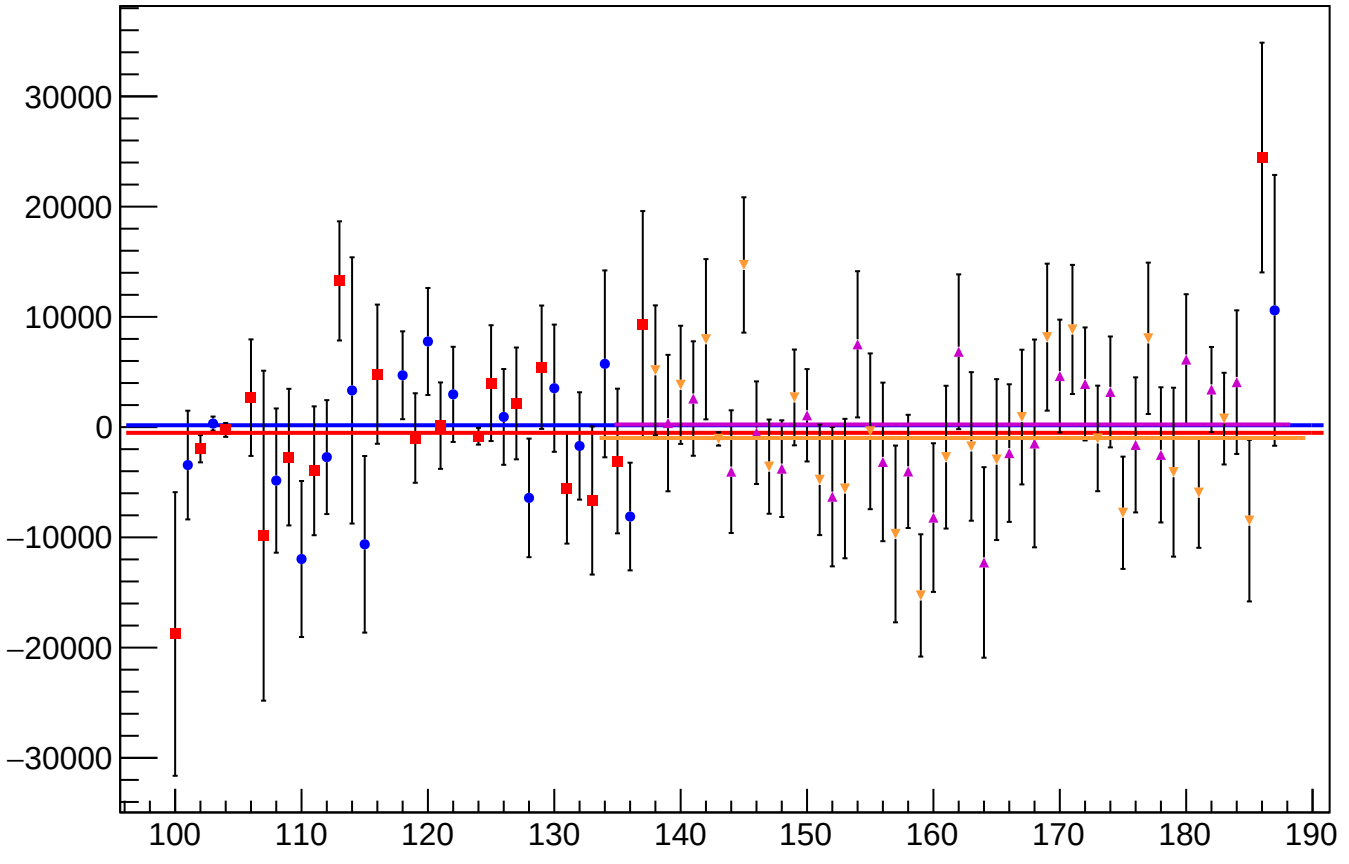
Right Out: 1723.691+/-0.441 χ^2/NDF: 386982.2/19

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1712.545+/-0.235 χ^2/NDF: 604637.3/41

All: 1714.366+/-0.167 χ^2/NDF: 1121435.3/84

- sign 1716.235+/-0.238 χ^2/NDF: 516676.8/42



Right In: 169.734+/-578.713 χ^2/NDF: 16.5/16

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -518.803+/-430.254 χ^2/NDF: 23.0/19

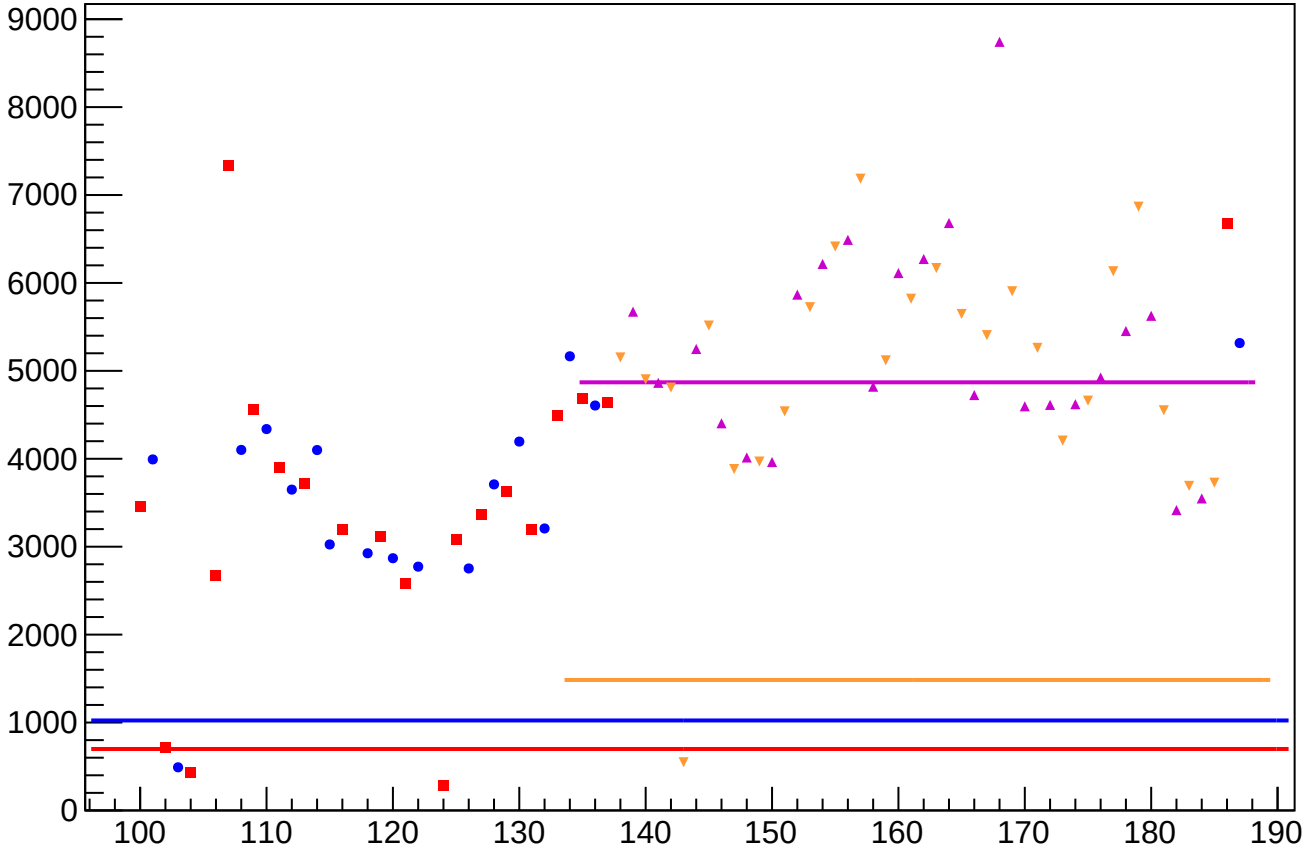
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -447.457+/-395.296 χ^2/NDF: 49.5/41

All: -437.832+/-282.410 χ^2/NDF: 86.4/84

\- sign -427.797+/-403.610 χ^2/NDF: 36.9/42

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1023.645+/-0.409 χ^2/NDF: 8467847.9/16

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

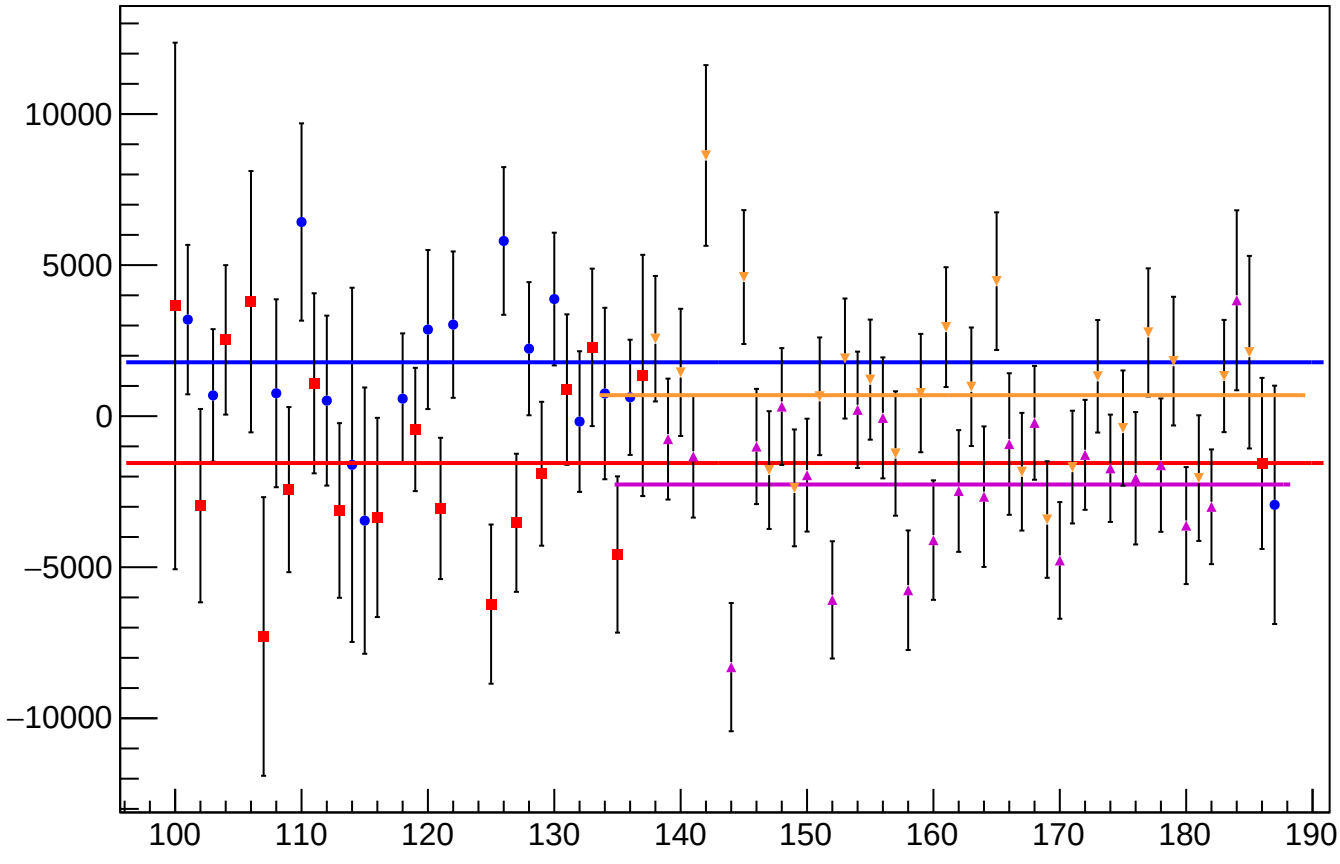
Right Out: 699.262+/-0.304 χ^2/NDF: 9569395.7/19

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1269.470+/-0.280 χ^2/NDF: 32369937.9/41

All: 1235.351+/-0.200 χ^2/NDF: 65995892.1/8

- sign 1199.781+/-0.285 χ^2/NDF: 33595520.8/42



Right In: 1783.361+/-628.307 χ^2/NDF: 11.7/16

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1551.672+/-643.744 χ^2/NDF: 17.5/18

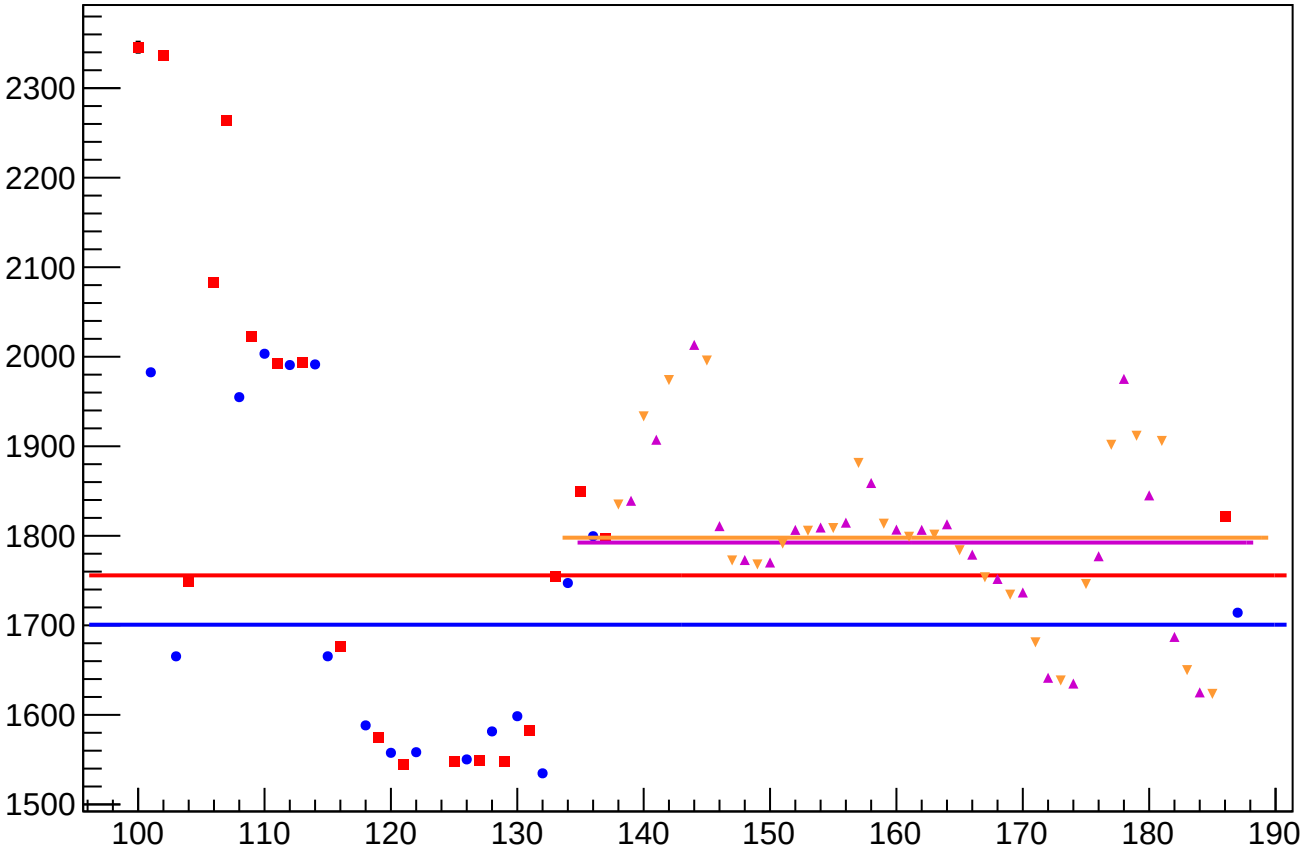
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1028.498+/-348.049 χ^2/NDF: 46.0/40

All: -496.734+/-247.239 χ^2/NDF: 133.5/82

- sign -2050.334+/-351.271 χ^2/NDF: 48.7/41

dit_asym_atl_avg_rms vs Slug



Right In: 1700.707+/-0.444 χ^2/NDF: 135443.0/16

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

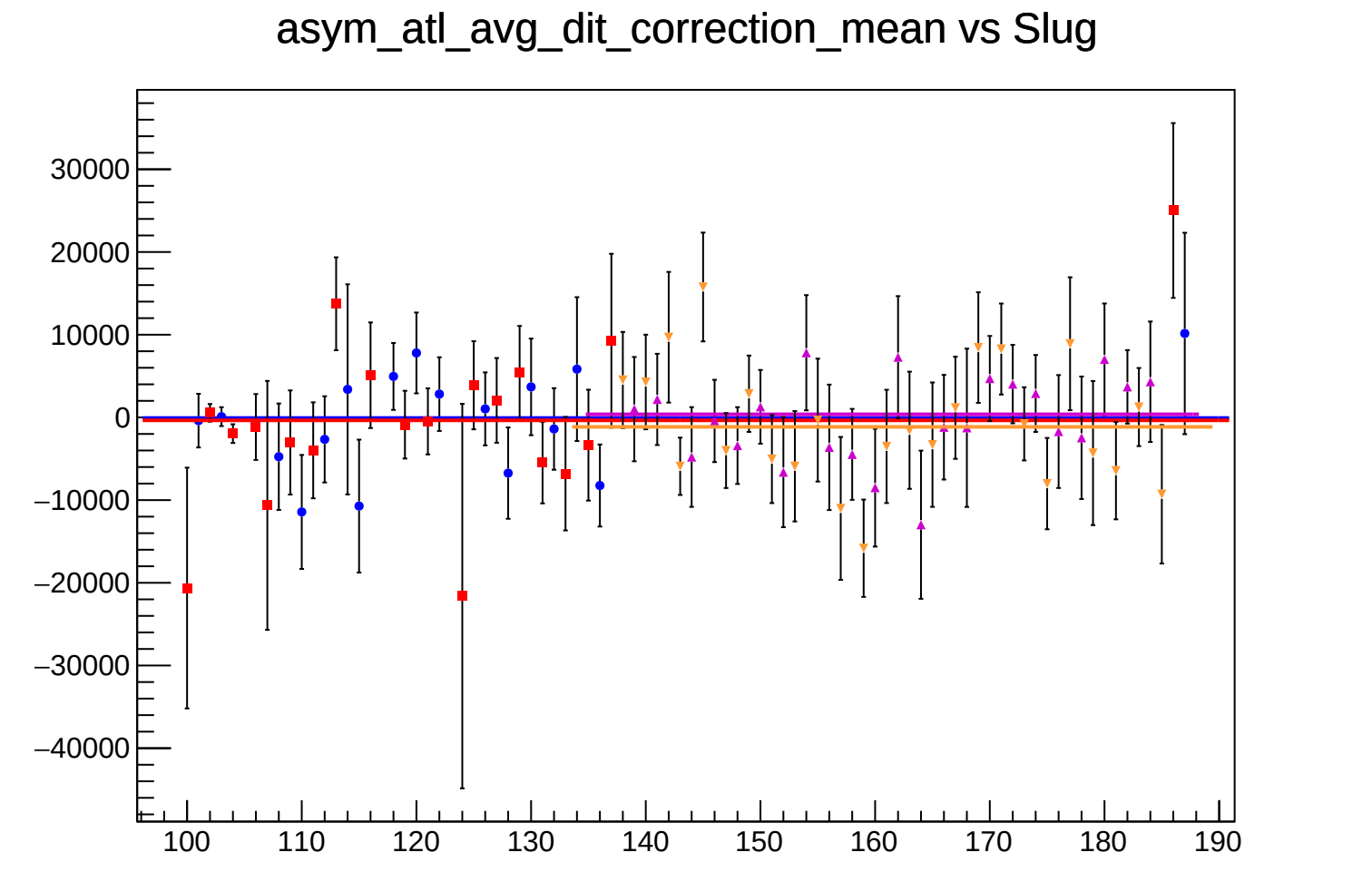
Right Out: 1755.805+/-0.454 χ^2/NDF: 249089.4/18

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1768.082+/-0.246 χ^2/NDF: 266624.3/40

All: 1774.736+/-0.175 χ^2/NDF: 614628.7/82

- sign 1781.506+/-0.248 χ^2/NDF: 346529.6/41



Right In: -73.548+/-865.450 χ^2/NDF: 15.8/16

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -354.614+/-677.758 χ^2/NDF: 24.3/19

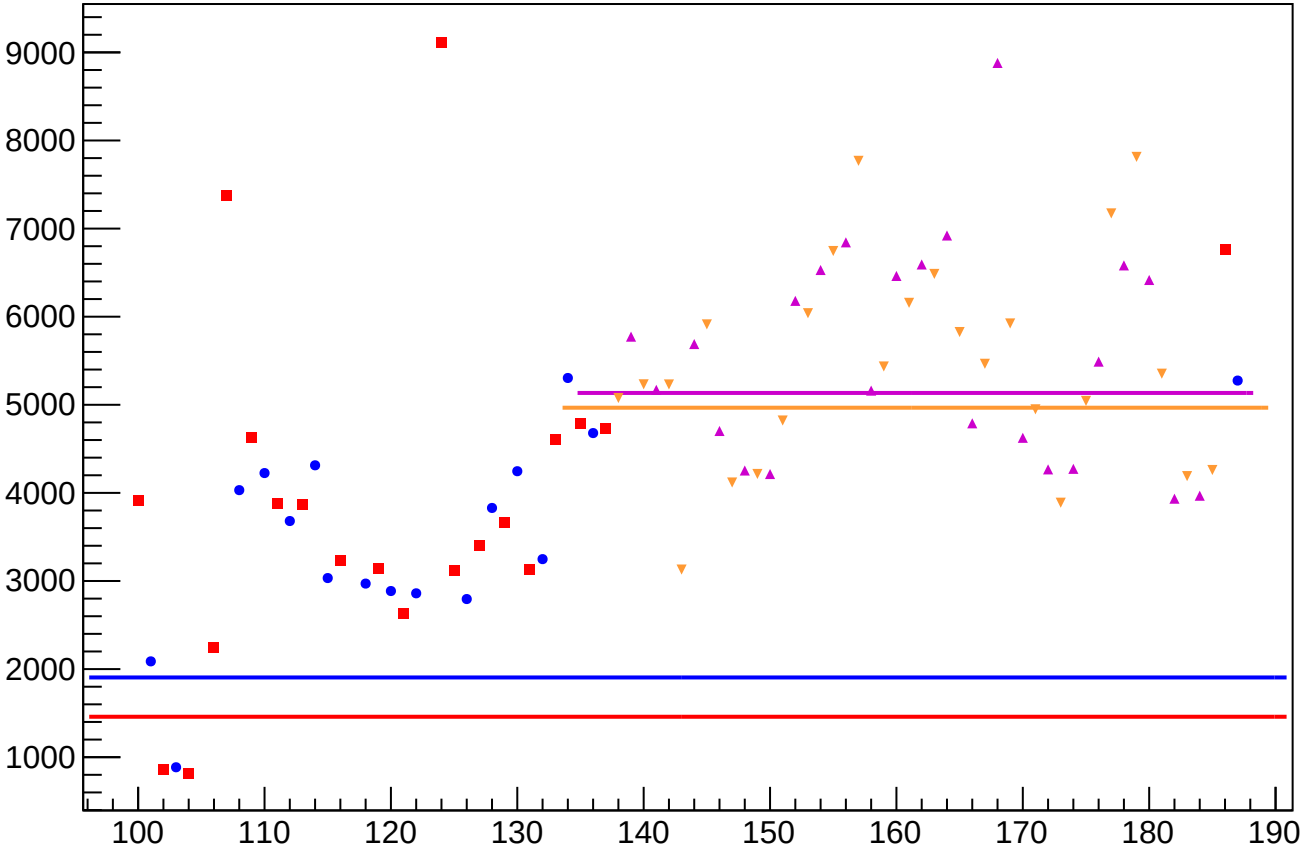
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -454.588+/-694.614 χ^2/NDF: 48.9/41

All: -298.418+/-451.205 χ^2/NDF: 86.8/84

- sign -184.422+/-593.460 χ^2/NDF: 37.8/42

asym_atl_avg_dit_correction_rms vs Slug



Right In: 1905.114+/-0.612 χ^2/NDF: 4579698.3/16

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1459.039+/-0.479 χ^2/NDF: 6471130.1/19

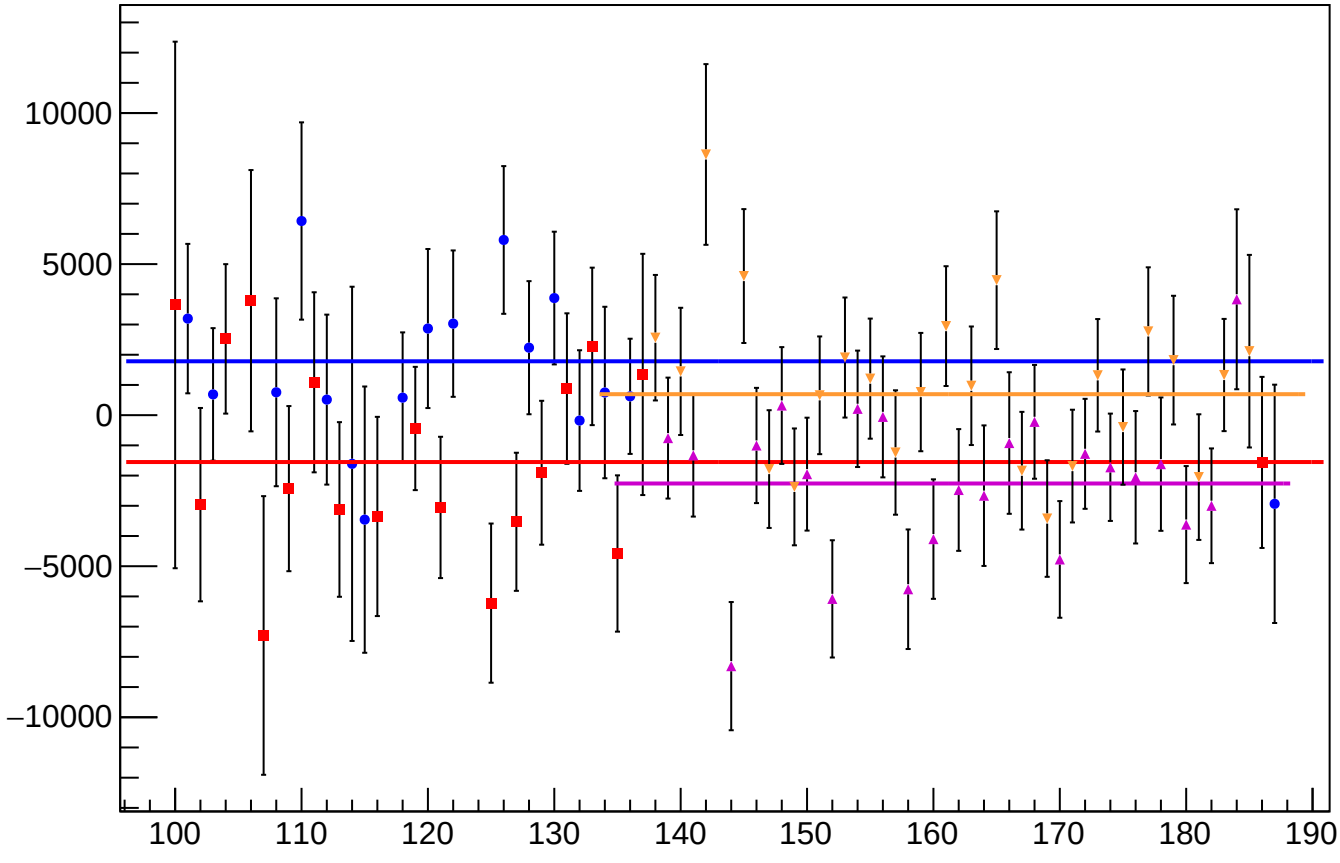
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 2994.572+/-0.491 χ^2/NDF: 15404576.0/41

All: 2602.592+/-0.319 χ^2/NDF: 38185469.9/8

- sign 2316.465+/-0.420 χ^2/NDF: 21679085.8/42

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1783.360+/-628.307 χ^2/NDF: 11.7/16

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1551.672+/-643.744 χ^2/NDF: 17.5/18

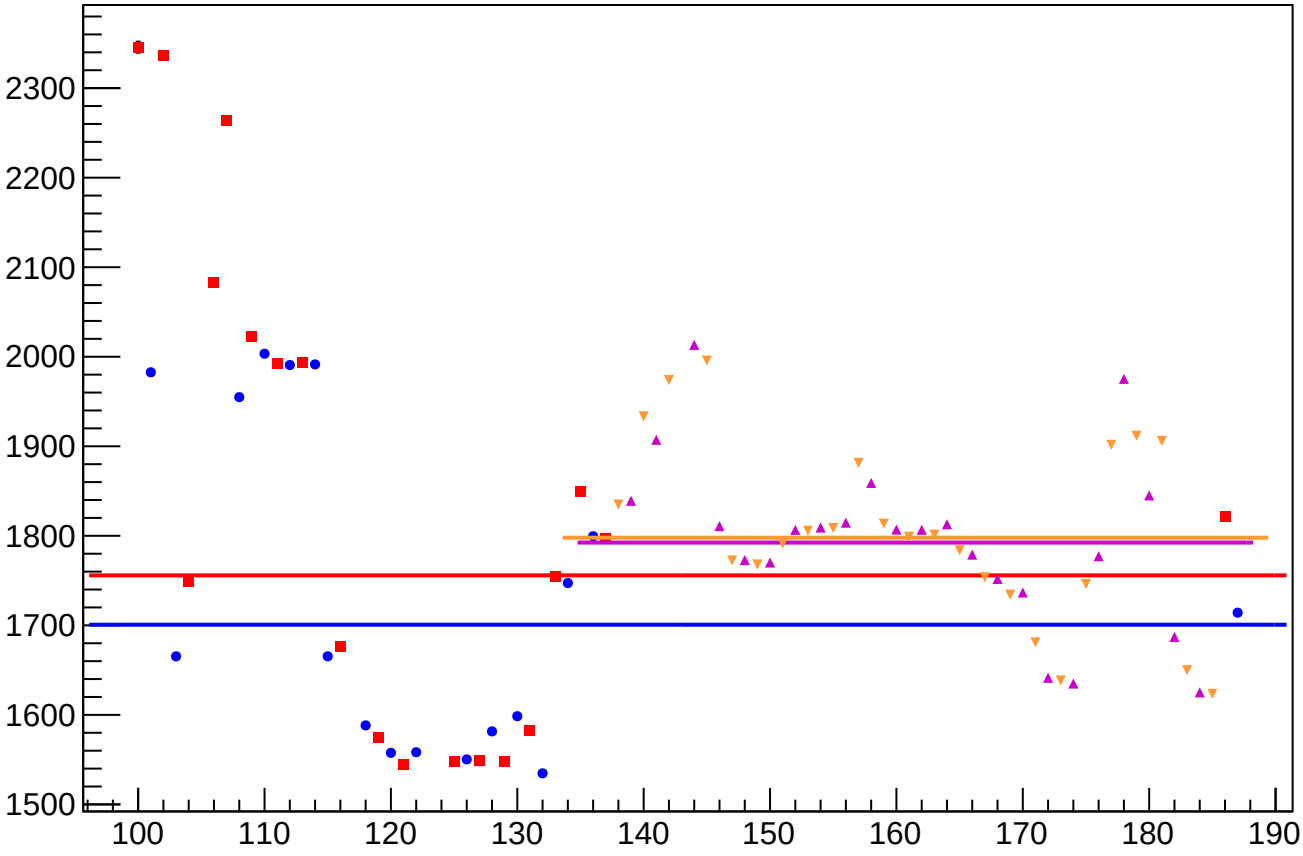
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1028.495+/-348.049 χ^2/NDF: 46.0/40

All: -496.735+/-247.239 χ^2/NDF: 133.5/82

- sign -2050.333+/-351.271 χ^2/NDF: 48.7/41

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1700.706+/-0.444 χ^2/NDF: 135443.2/16

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1755.805+/-0.454 χ^2/NDF: 249089.0/18

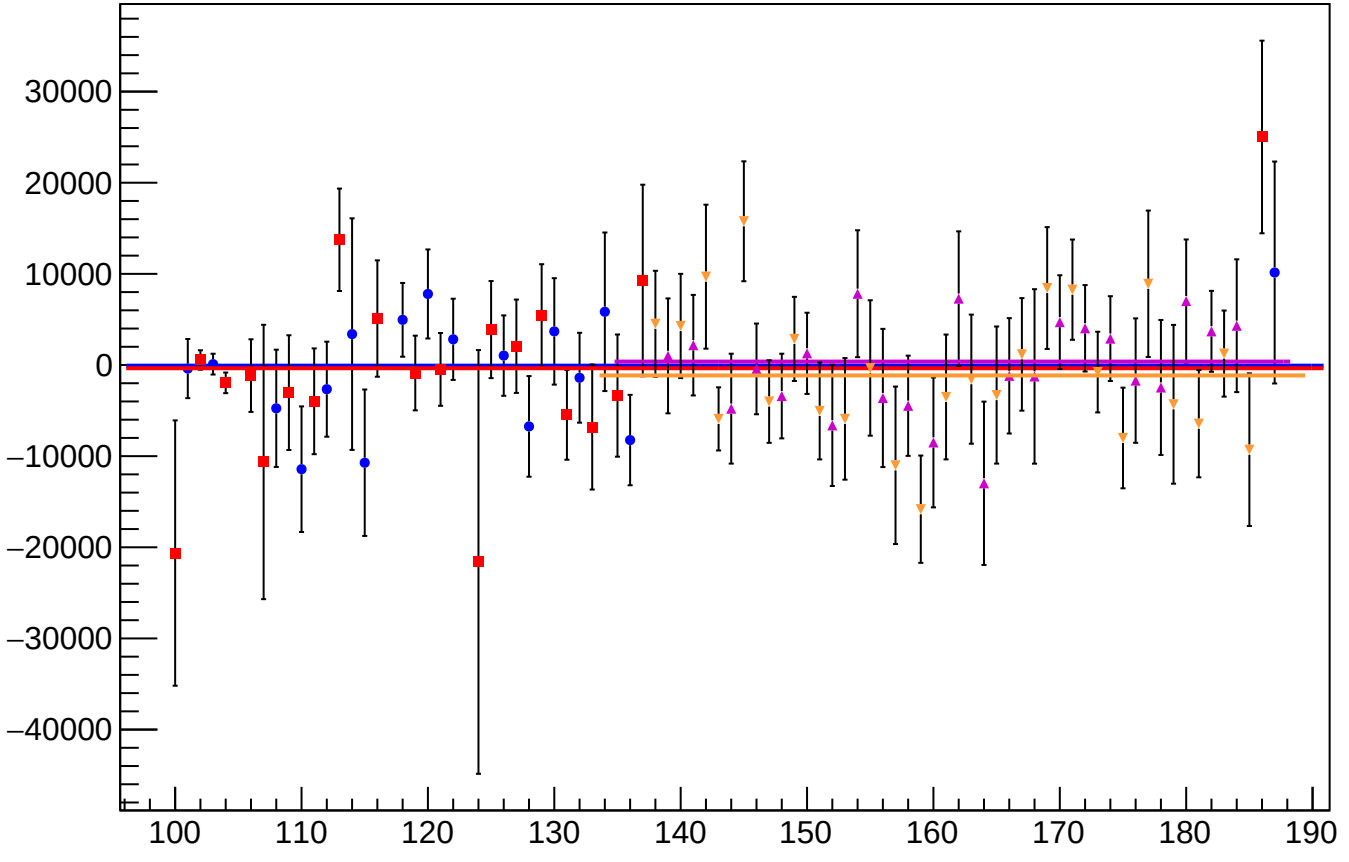
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1768.083+/-0.246 χ^2/NDF: 266629.0/40

All: 1774.737+/-0.175 χ^2/NDF: 614636.7/82

- sign 1781.507+/-0.248 χ^2/NDF: 346532.9/41

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -73.544+/-865.445 χ^2/NDF: 15.8/16

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -354.615+/-677.753 χ^2/NDF: 24.3/19

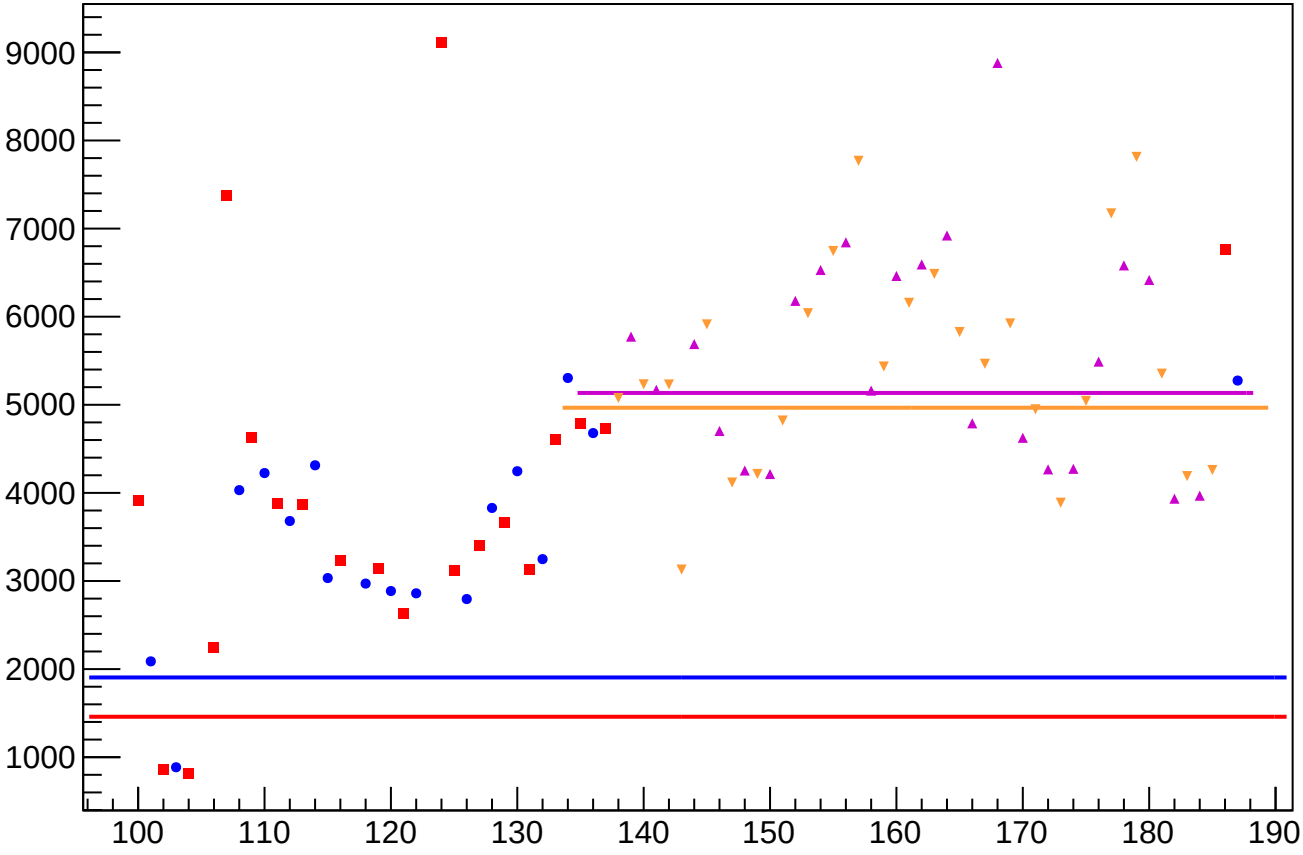
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -454.583+/-694.611 χ^2/NDF: 48.9/41

All: -298.418+/-451.203 χ^2/NDF: 86.8/84

- sign -184.424+/-593.456 χ^2/NDF: 37.8/42

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 1905.097+/-0.612 χ^2/NDF: 4579737.2/16

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1459.025+/-0.479 χ^2/NDF: 6471167.4/19

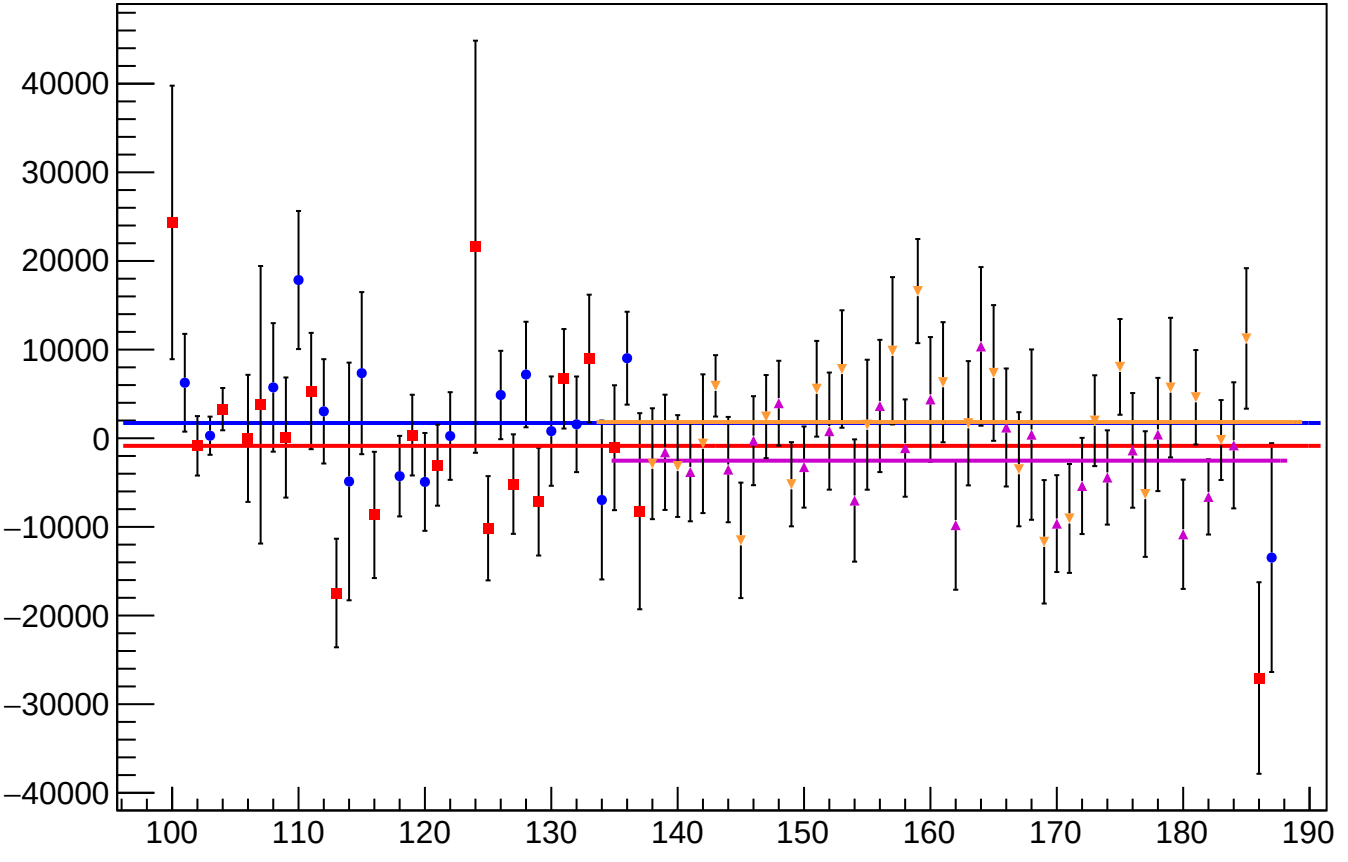
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 2994.553+/-0.491 χ^2/NDF: 15404783.6/41

All: 2602.572+/-0.319 χ^2/NDF: 38185908.5/8

- sign 2316.444+/-0.420 χ^2/NDF: 21679303.4/42

asym_atl_avg_mean vs Slug



Right In: 1722.063+/-1253.237 χ^2/NDF: 15.2/16

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -858.267+/-1233.399 χ^2/NDF: 30.6/19

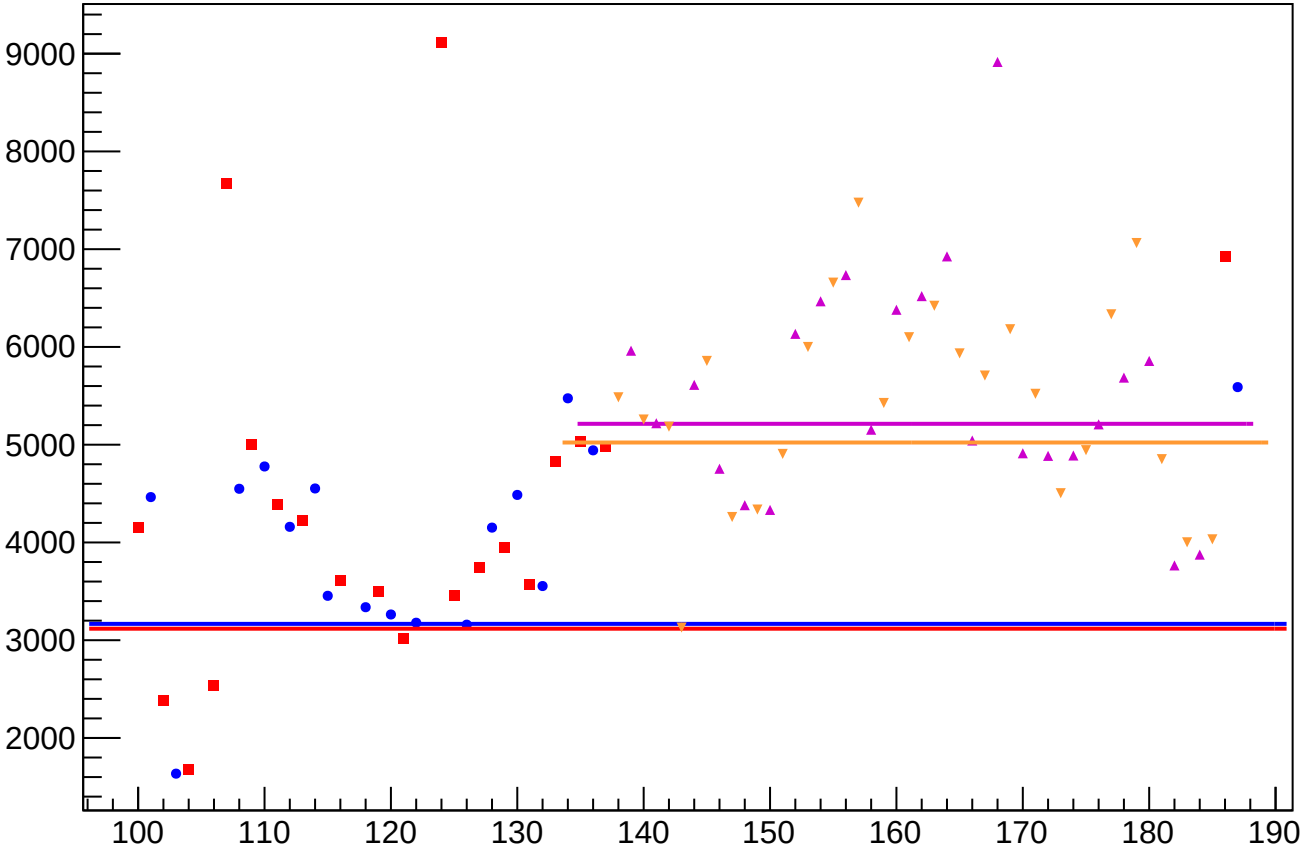
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1777.595+/-856.195 χ^2/NDF: 46.3/41

All: 82.778+/-612.024 χ^2/NDF: 99.0/84

- sign -1688.051+/-875.184 χ^2/NDF: 44.7/42

asym_atl_avg_rms vs Slug



Right In: 3167.190+/-0.886 χ^2/NDF: 1954237.8/16

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3117.822+/-0.859 χ^2/NDF: 2133302.8/19

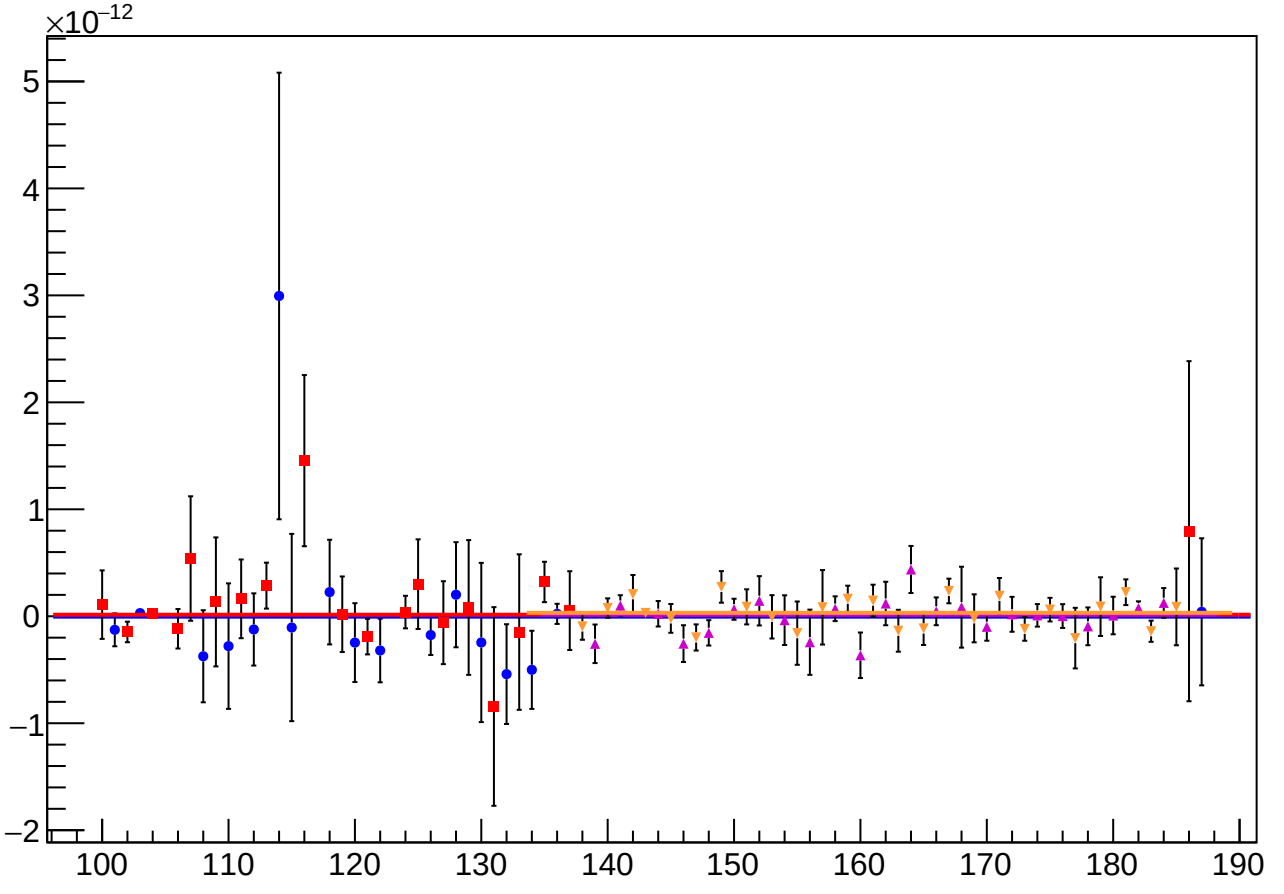
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4156.494+/-0.605 χ^2/NDF: 5968016.9/41

All: 4149.431+/-0.431 χ^2/NDF: 12236072.4/8

- sign 4142.167+/-0.614 χ^2/NDF: 6267779.5/42

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/19

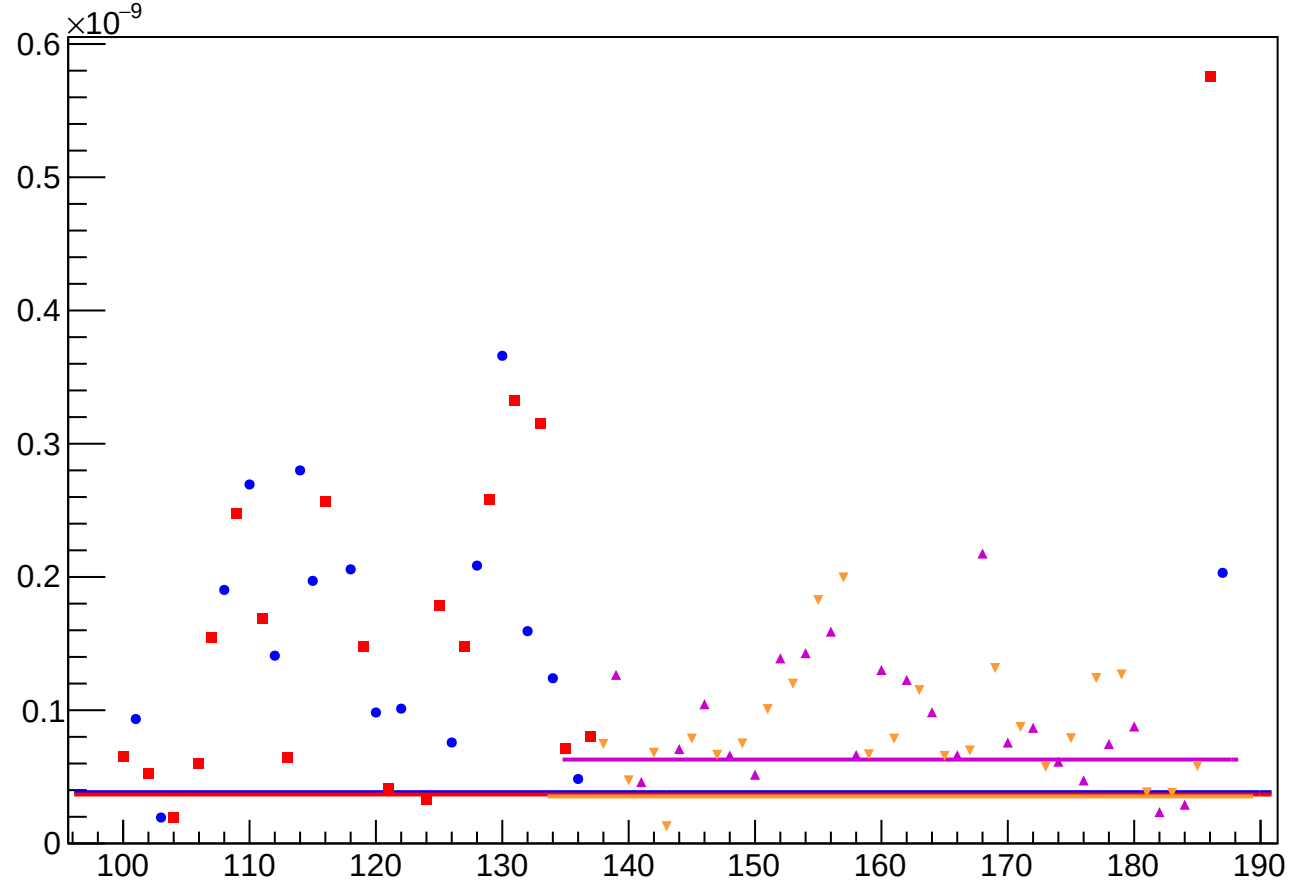
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/41

All: 0.000+/-0.000 χ^2/NDF: 70.9/84

- sign 0.000+/-0.000 χ^2/NDF: 34.3/42

asym_atl_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3003464.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2913580.1/19

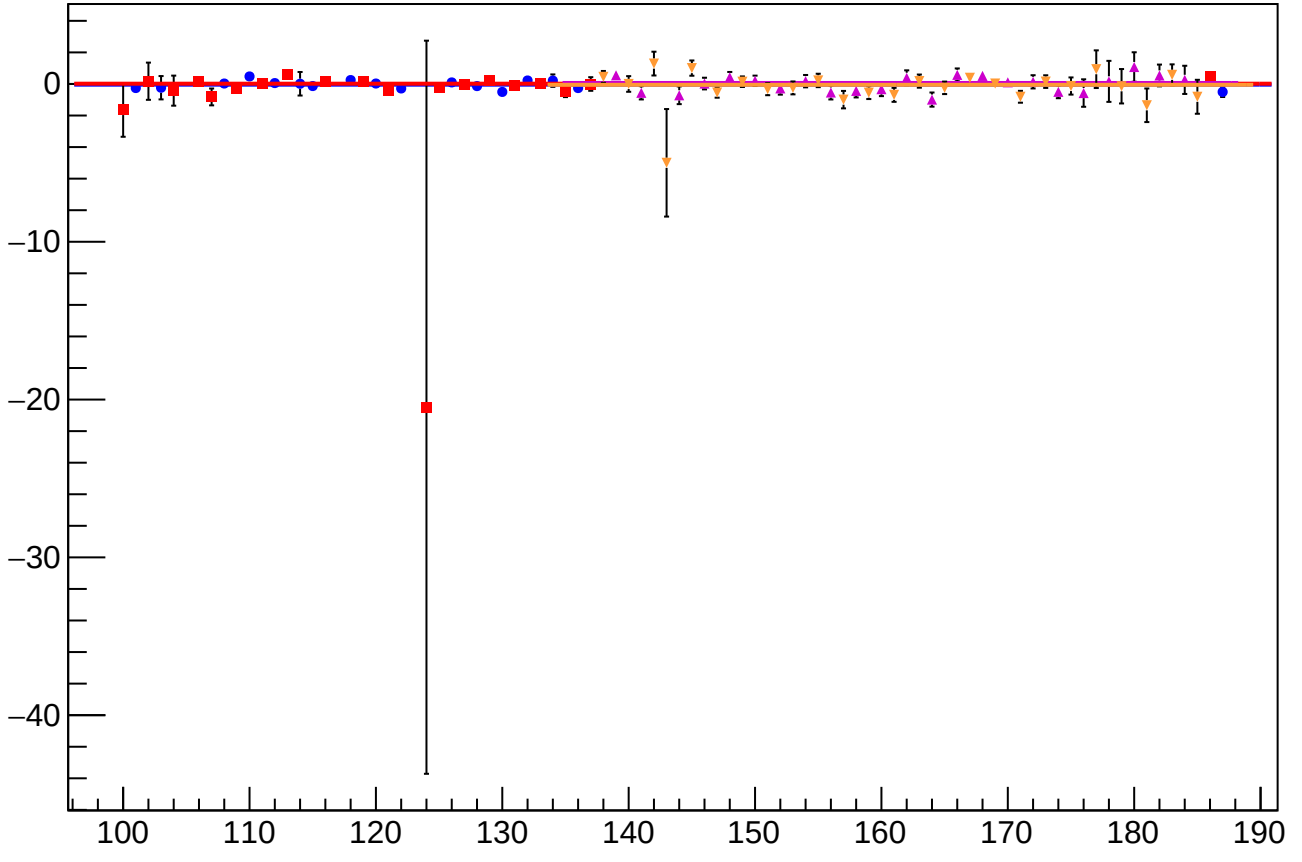
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9528411.5/41

All: 0.000+/-0.000 χ^2/NDF: 16855278.5/84

- sign 0.000+/-0.000 χ^2/NDF: 6601231.3/42

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.017+/-0.055 χ^2/NDF: 25.7/19

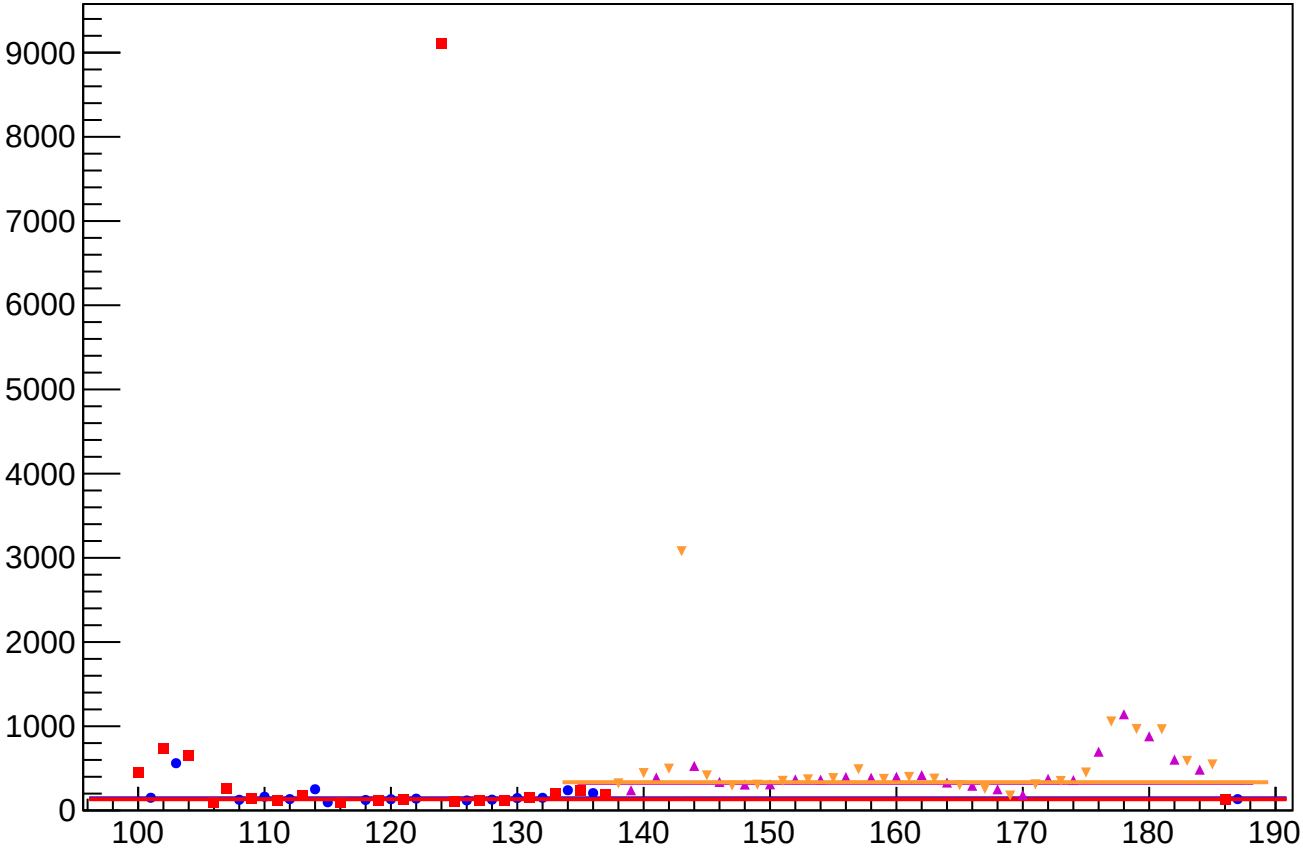
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.047 χ^2/NDF: 52.5/41

All: -0.007+/-0.033 χ^2/NDF: 107.8/84

- sign 0.031+/-0.046 χ^2/NDF: 53.9/42

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 143.985+/-0.040 χ^2/NDF: 1130563.7/16

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

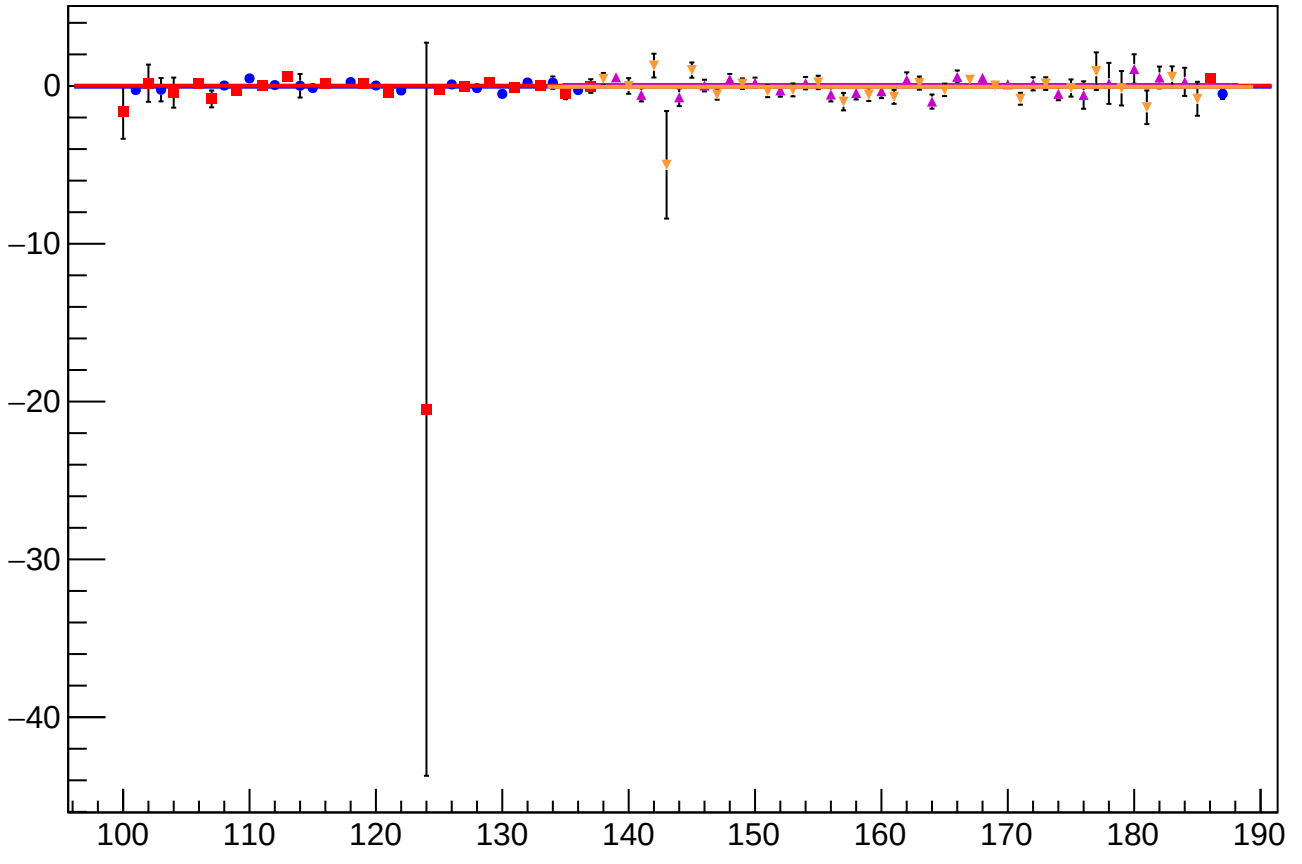
Right Out: 133.335+/-0.039 χ^2/NDF: 2220715.4/19

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 203.544+/-0.033 χ^2/NDF: 14012698.1/41

All: 197.876+/-0.023 χ^2/NDF: 28103261.2/84

- sign 192.569+/-0.032 χ^2/NDF: 14034769.8/42



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.017+/-0.055 χ^2/NDF: 25.7/19

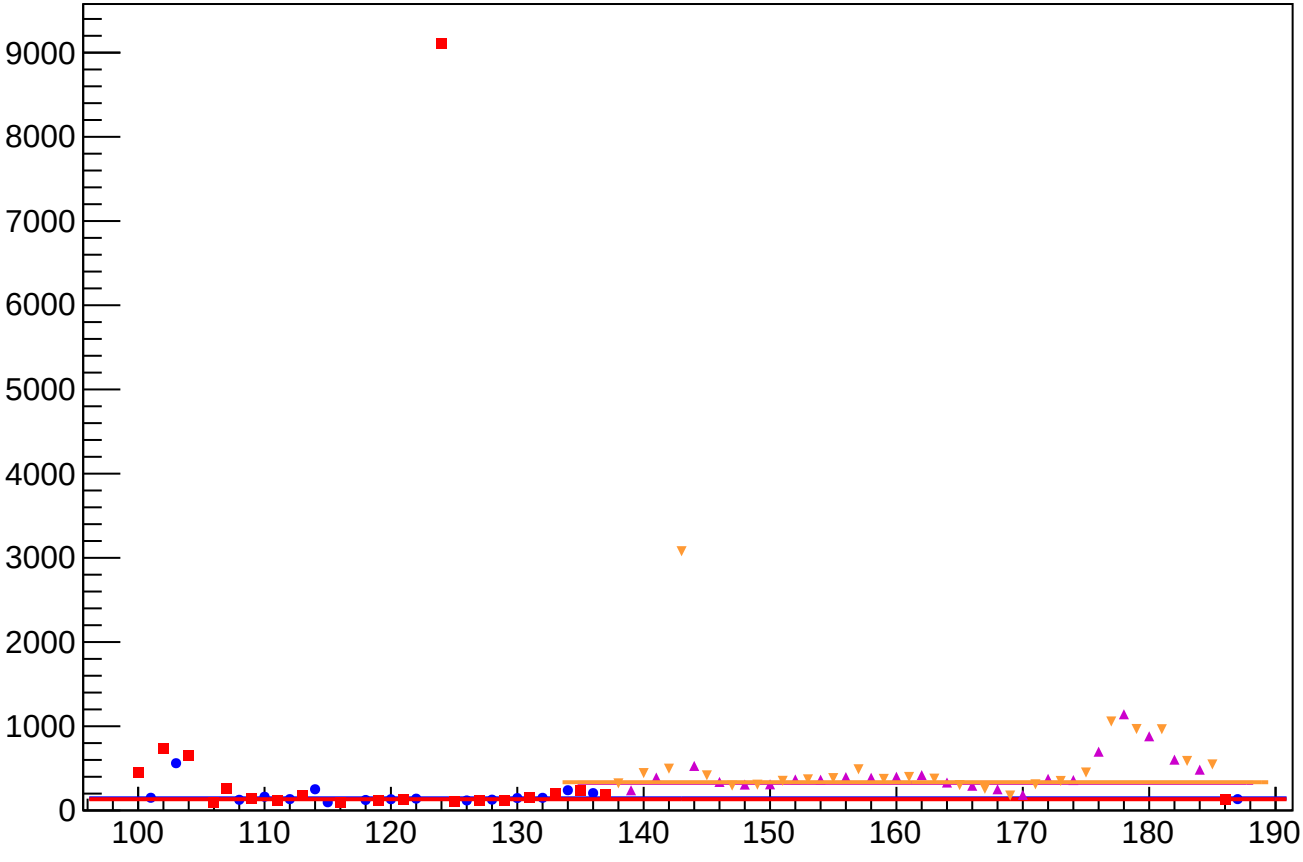
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.047 χ^2/NDF: 52.5/41

All: -0.007+/-0.033 χ^2/NDF: 107.8/84

- sign 0.031+/-0.046 χ^2/NDF: 53.9/42

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 143.985+/-0.040 χ^2/NDF: 1130563.7/16

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

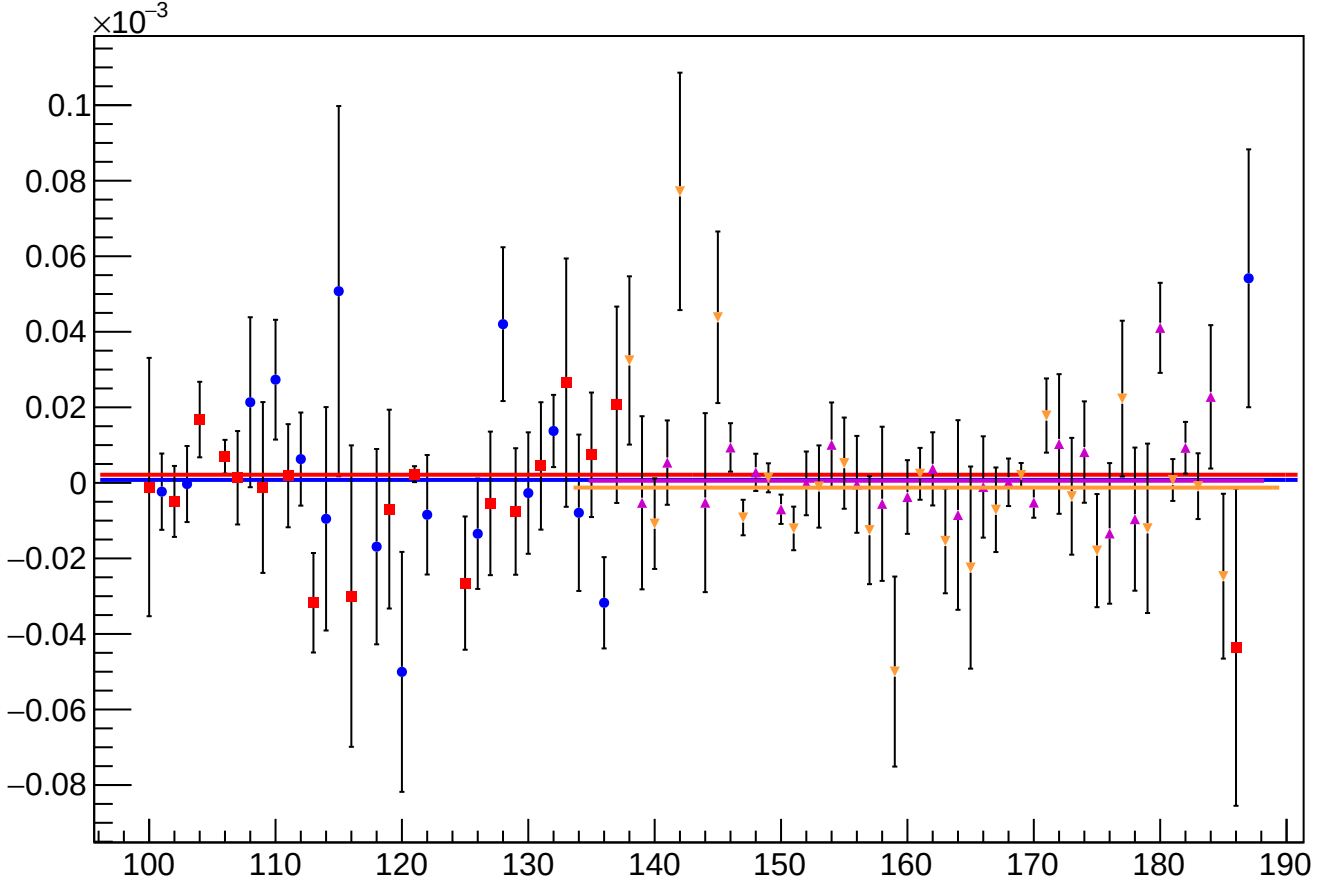
Right Out: 133.335+/-0.039 χ^2/NDF: 2220715.4/19

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 203.544+/-0.033 χ^2/NDF: 14012698.1/41

All: 197.876+/-0.023 χ^2/NDF: 28103261.2/84

- sign 192.569+/-0.032 χ^2/NDF: 14034769.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/18

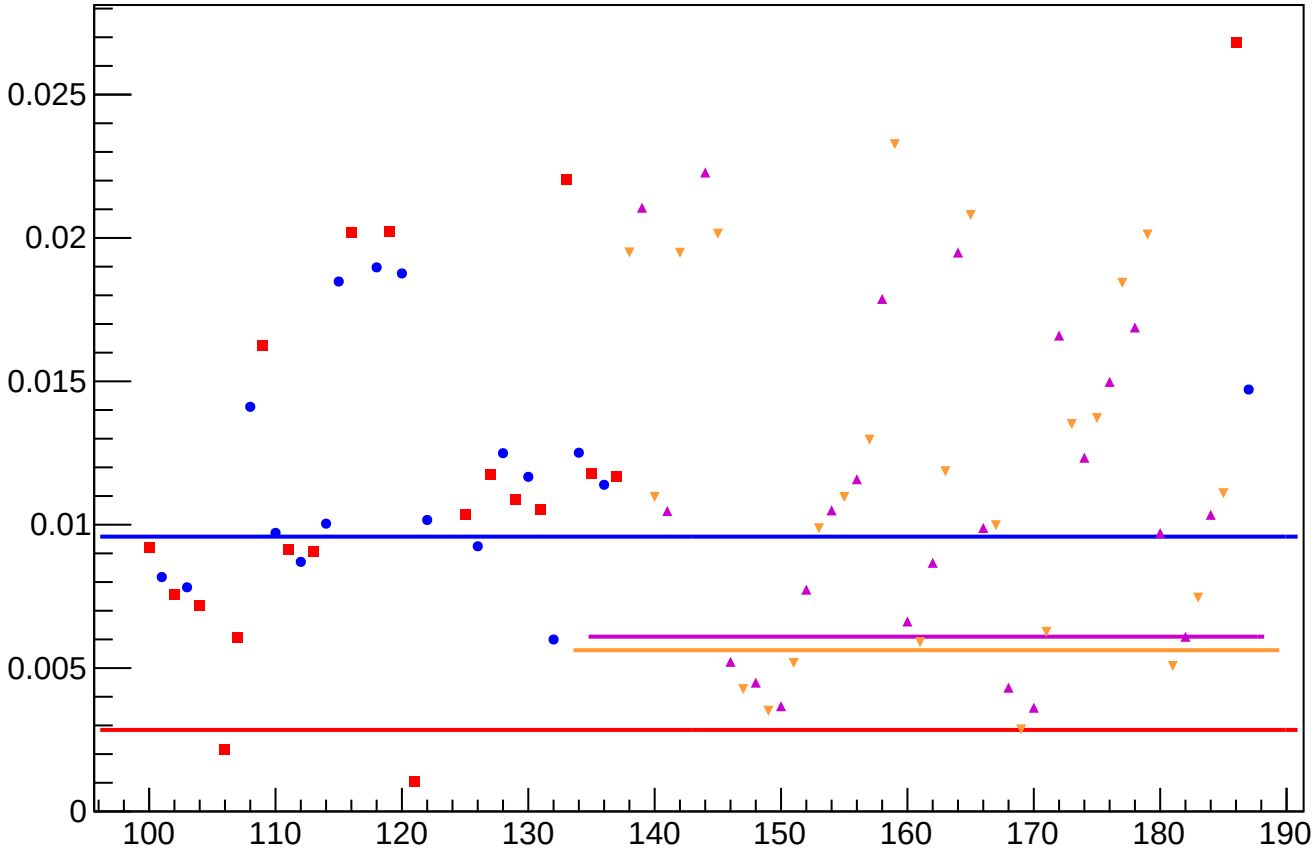
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.2/40

All: 0.000+/-0.000 χ^2/NDF: 105.4/82

- sign 0.000+/-0.000 χ^2/NDF: 42.7/41

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1178647.5/16

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

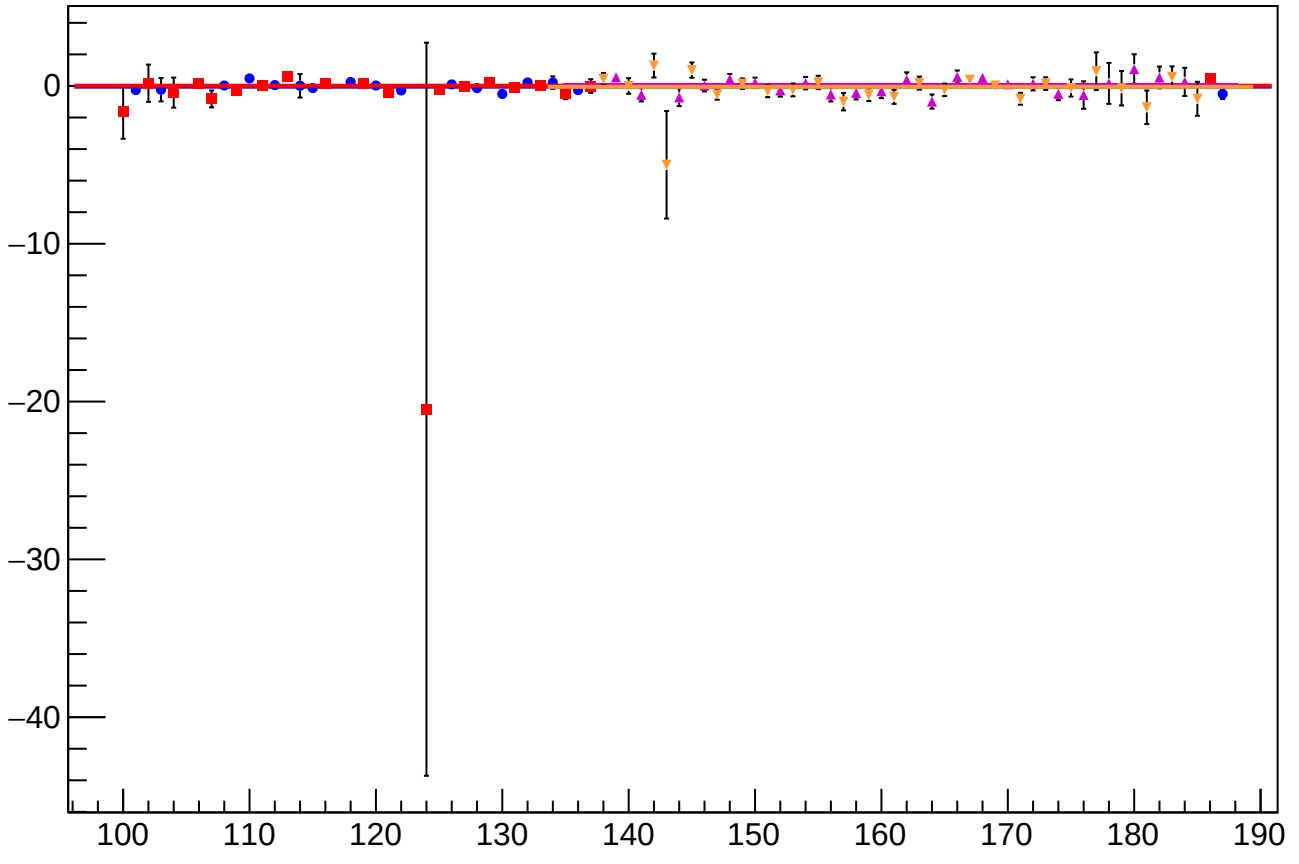
Right Out: 0.003+/-0.000 χ^2/NDF: 9221579.3/18

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

\+ sign 0.006+/-0.000 χ^2/NDF: 14267183.2/40

All: 0.005+/-0.000 χ^2/NDF: 37592215.9/82

\- sign 0.004+/-0.000 χ^2/NDF: 21580651.5/41



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.017+/-0.055 χ^2/NDF: 25.7/19

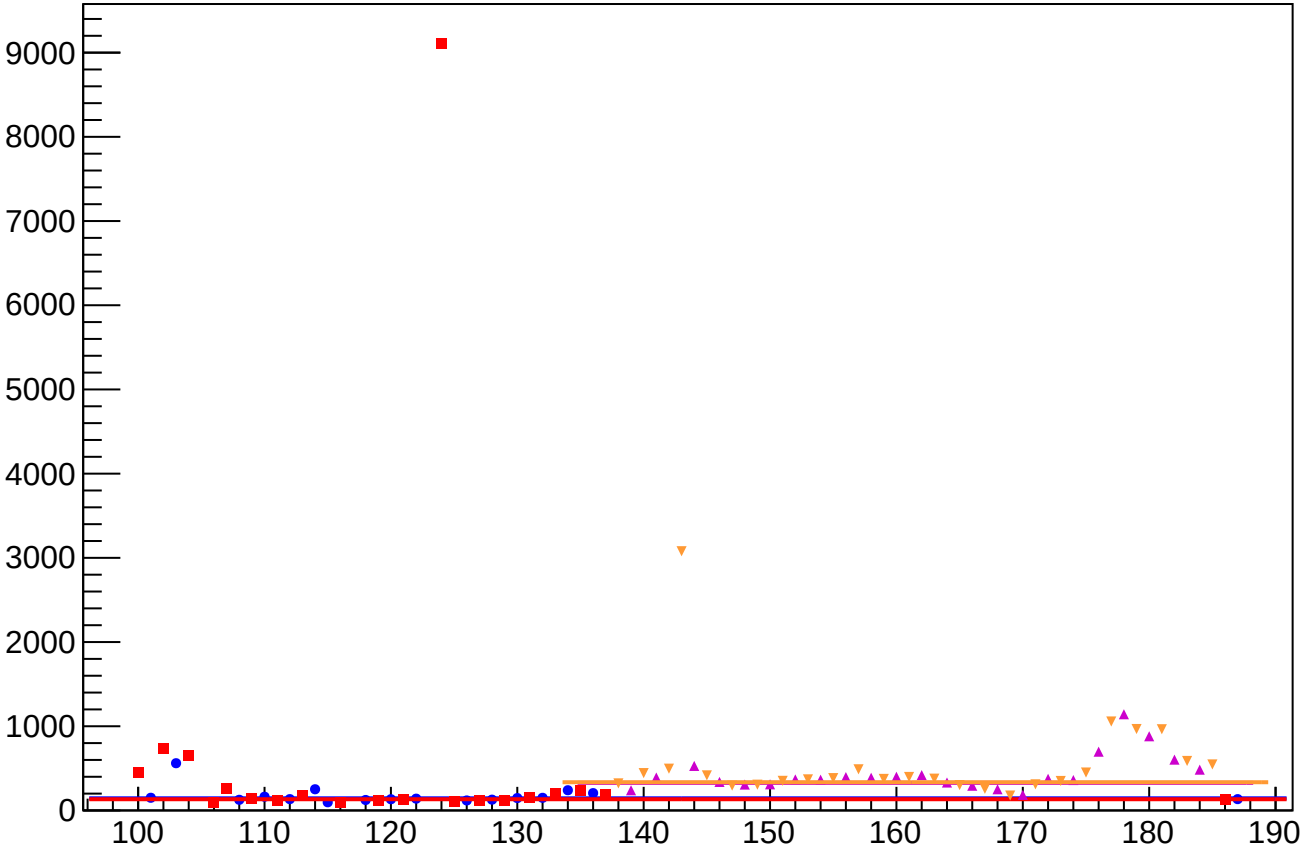
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.047 χ^2/NDF: 52.5/41

All: -0.007+/-0.033 χ^2/NDF: 107.8/84

- sign 0.031+/-0.046 χ^2/NDF: 53.9/42

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 143.984+/-0.040 χ^2/NDF: 1130585.9/16

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

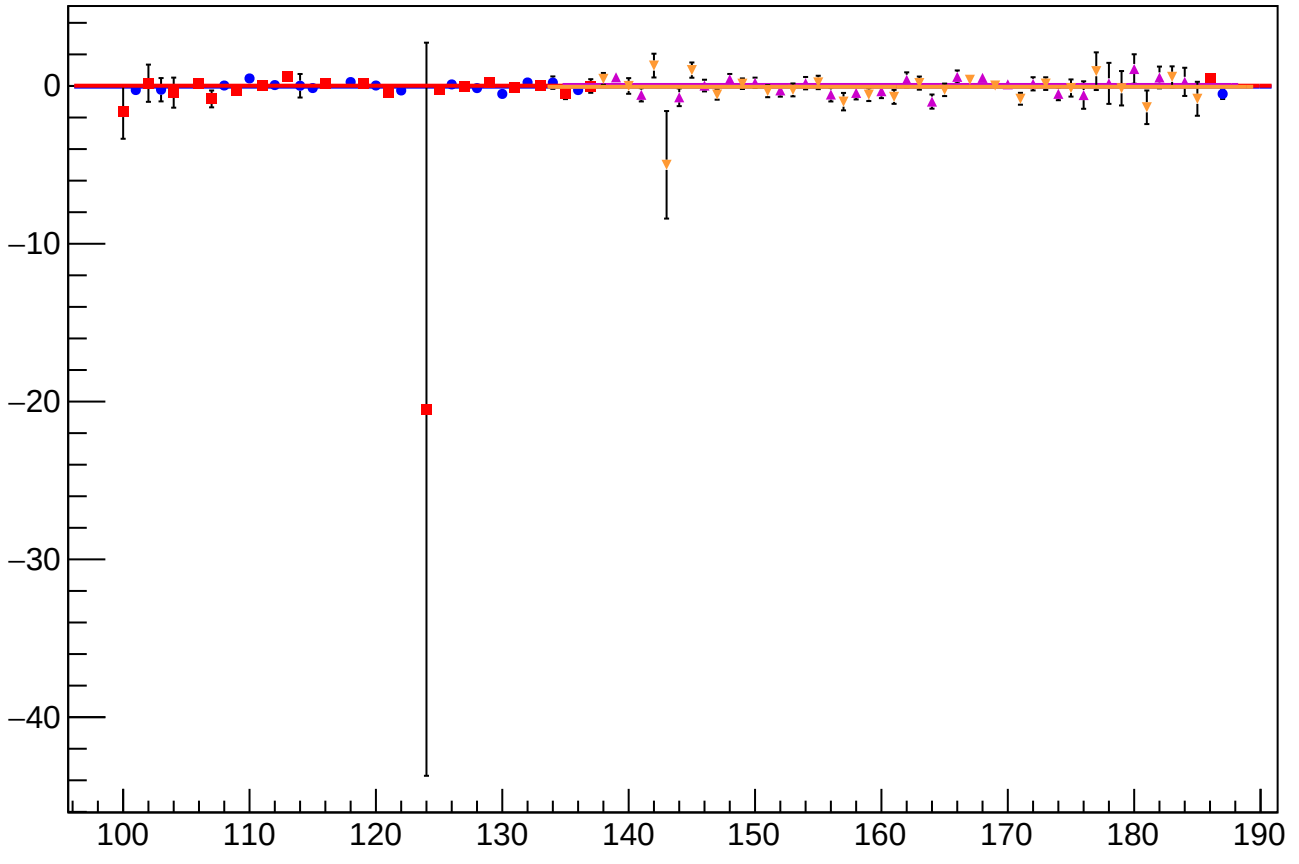
Right Out: 133.333+/-0.039 χ^2/NDF: 2220674.0/19

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 203.543+/-0.033 χ^2/NDF: 14012993.6/41

All: 197.874+/-0.023 χ^2/NDF: 28103854.9/84

- sign 192.567+/-0.032 χ^2/NDF: 14035059.5/42



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

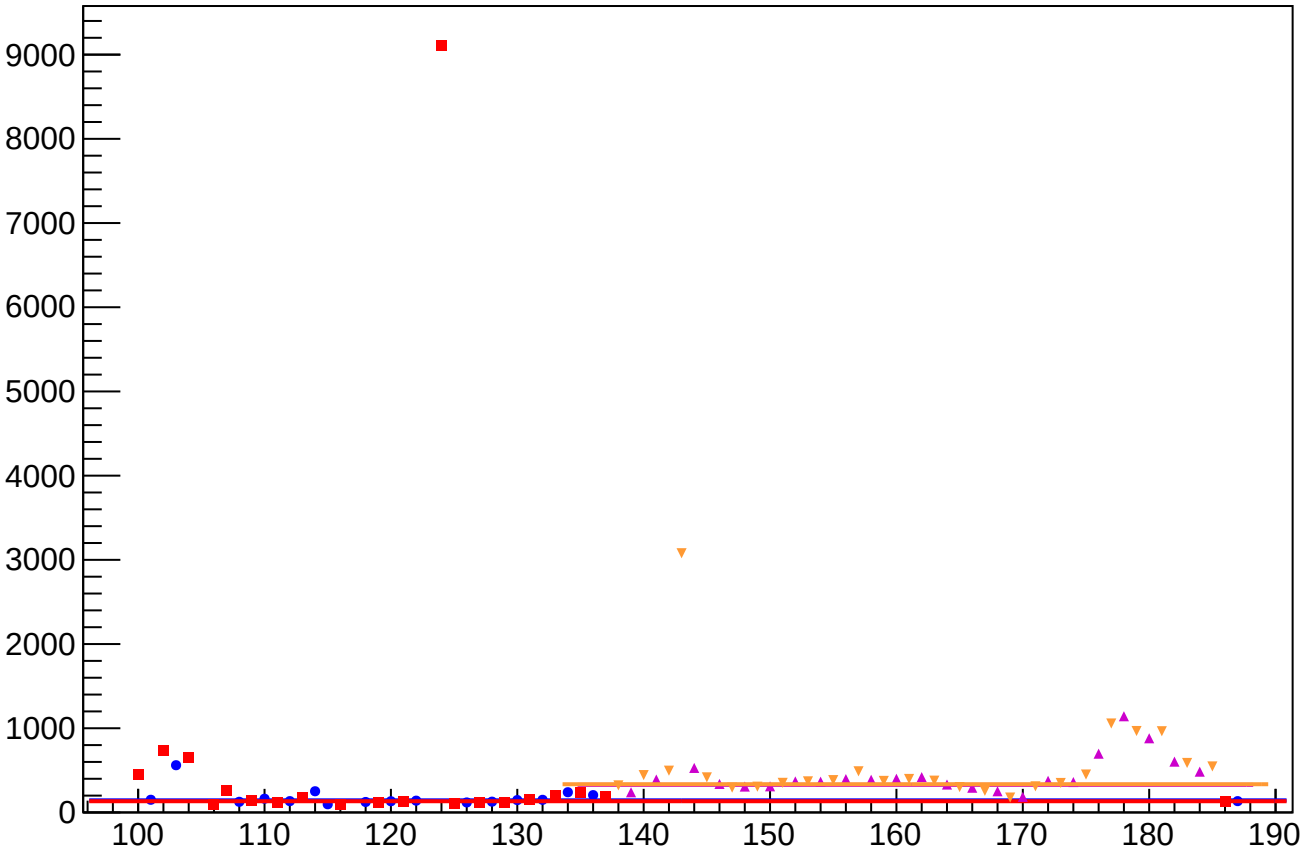
Right Out: 0.017+/-0.055 χ^2/NDF: 25.7/19

Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.047+/-0.047 χ^2/NDF: 52.5/41

All: -0.007+/-0.033 χ^2/NDF: 107.8/84

- sign 0.031+/-0.046 χ^2/NDF: 53.9/42



Right In: 143.984+/-0.040 χ^2/NDF: 1130585.9/16

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

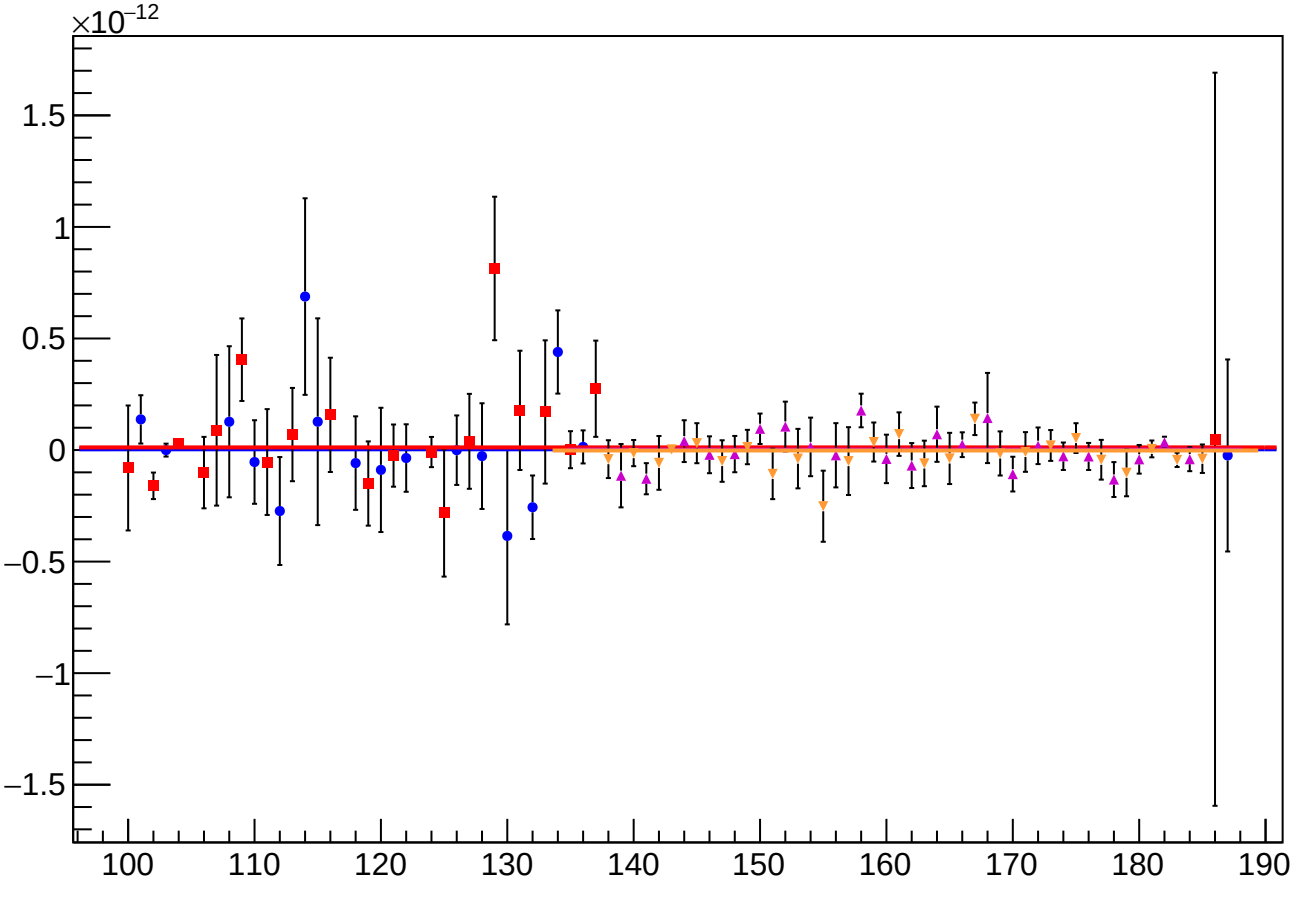
Right Out: 133.333+/-0.039 χ^2/NDF: 2220674.0/19

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 203.543+/-0.033 χ^2/NDF: 14012993.6/41

All: 197.874+/-0.023 χ^2/NDF: 28103854.9/84

- sign 192.567+/-0.032 χ^2/NDF: 14035059.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/19

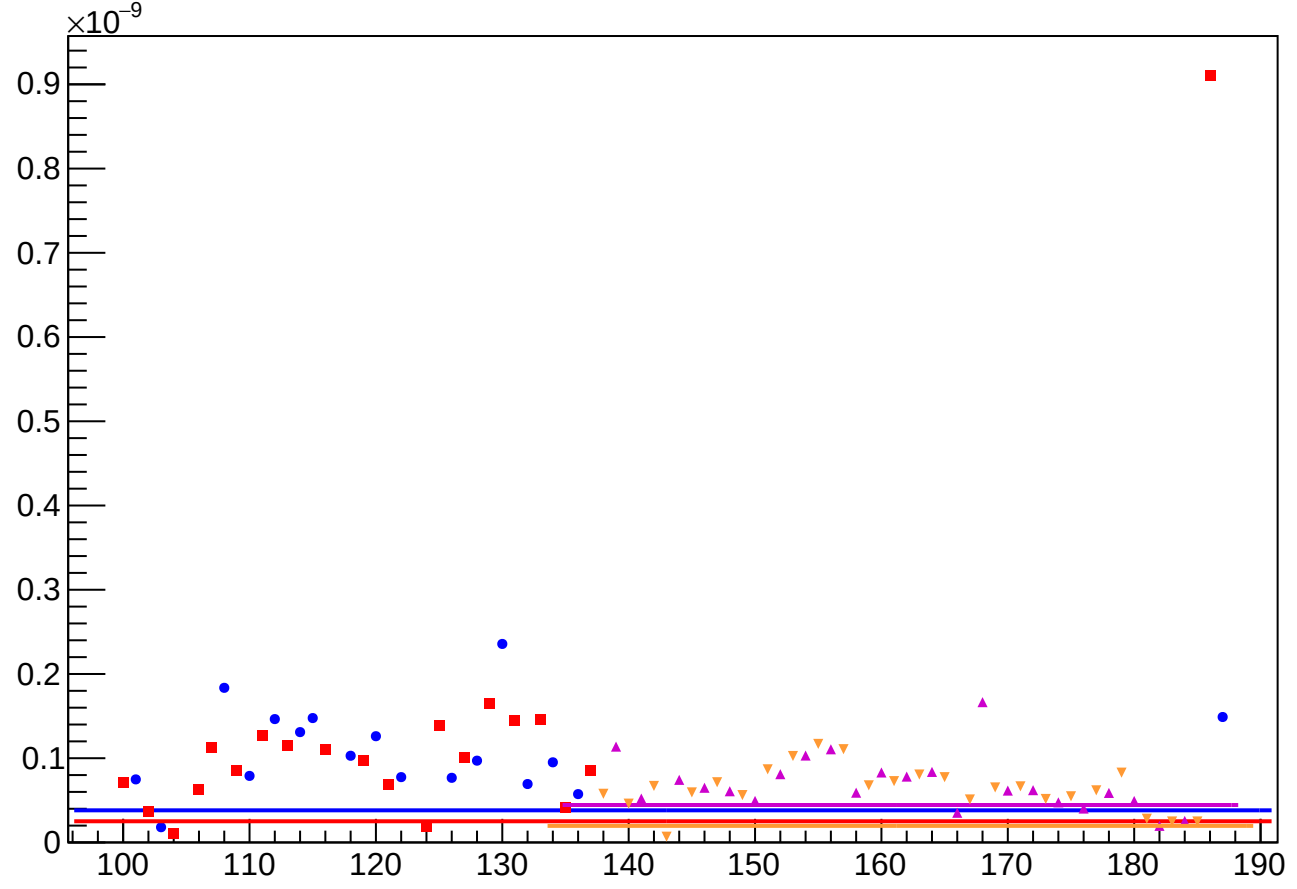
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.3/41

All: 0.000+/-0.000 χ^2/NDF: 77.3/84

- sign 0.000+/-0.000 χ^2/NDF: 47.8/42

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4075607.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5283181.3/19

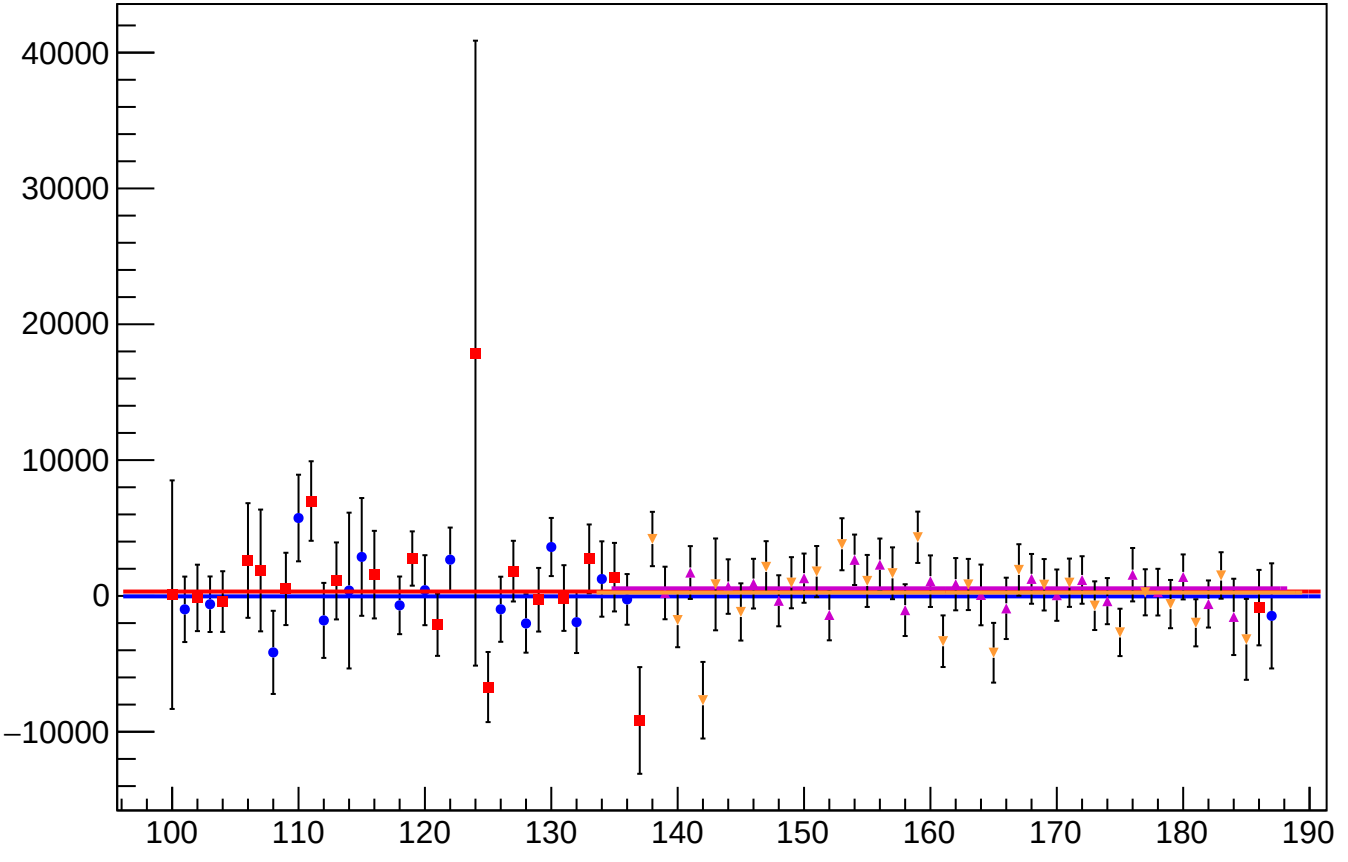
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20028035.5/41

All: 0.000+/-0.000 χ^2/NDF: 35208798.2/84

- sign 0.000+/-0.000 χ^2/NDF: 12574053.5/42

reg_asym_atl_dd_mean vs Slug



Right In: -32.486+/-612.103 χ^2/NDF: 12.6/16

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 323.106+/-617.802 χ^2/NDF: 24.2/19

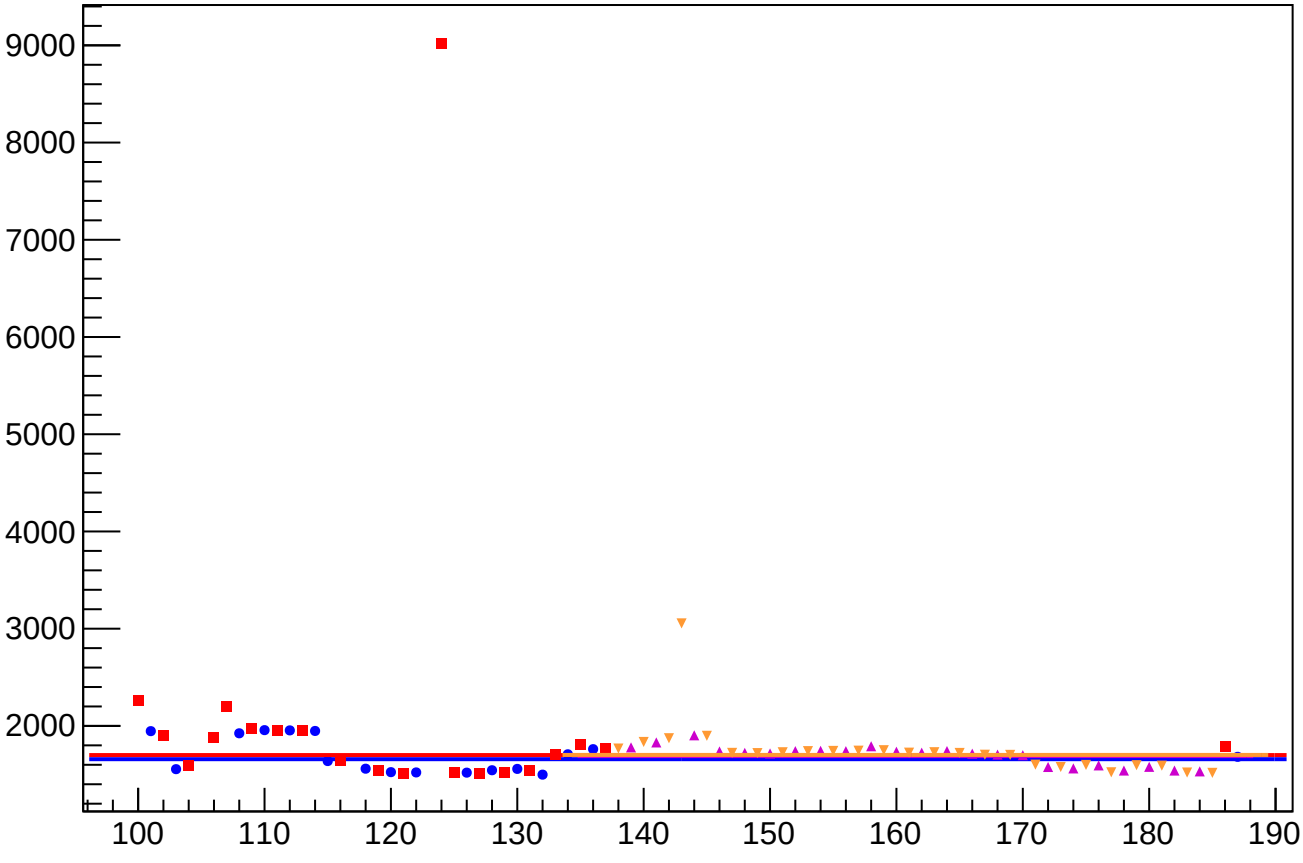
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

\+ sign 167.525+/-328.207 χ^2/NDF: 52.3/41

All: 327.099+/-233.705 χ^2/NDF: 84.7/84

\- sign 491.229+/-332.860 χ^2/NDF: 31.9/42

reg_asym_atl_dd_rms vs Slug



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1700.103+/-0.435 χ^2/NDF: 388249.0/19

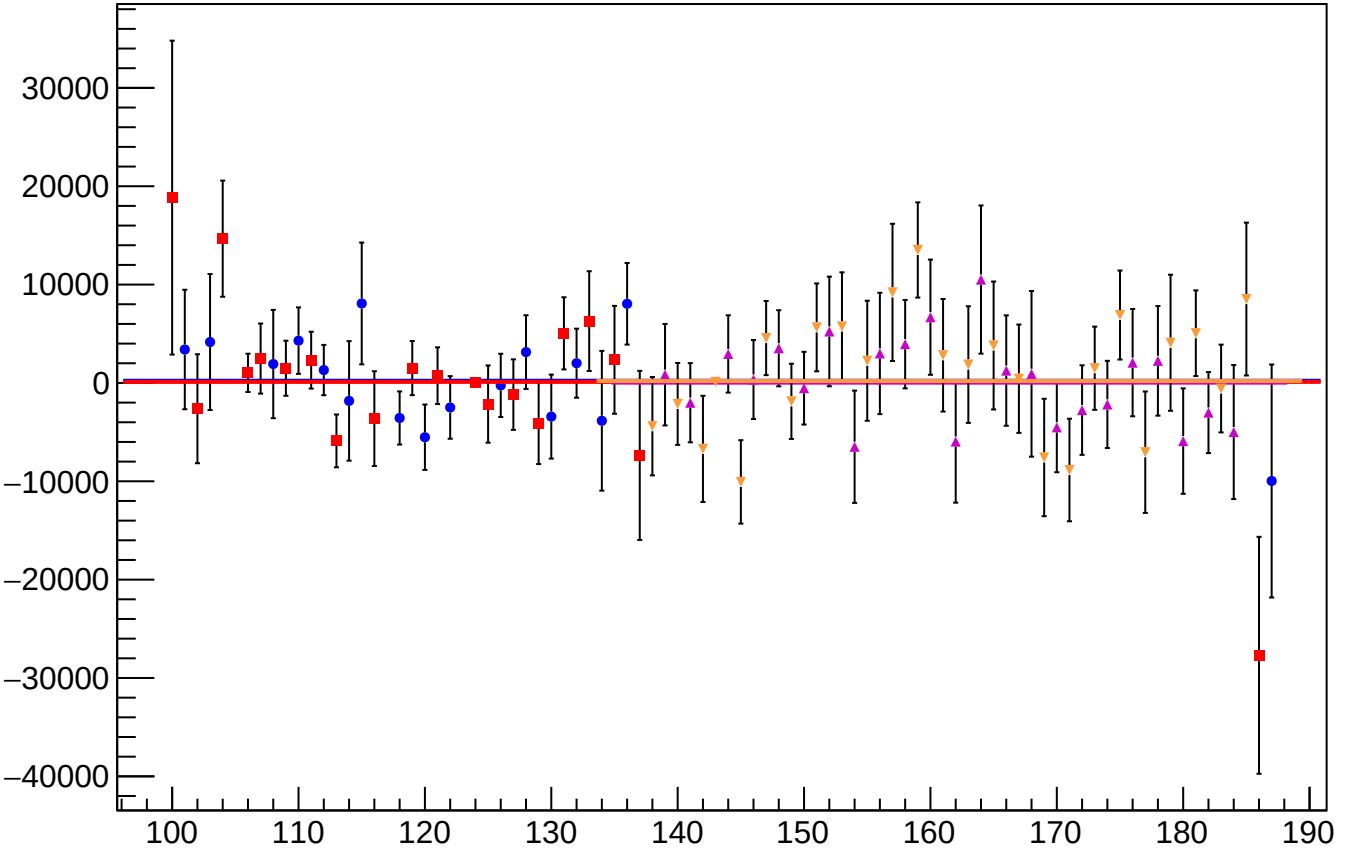
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1688.978+/-0.232 χ^2/NDF: 603752.2/41

All: 1690.680+/-0.165 χ^2/NDF: 1114868.1/84

- sign 1692.426+/-0.235 χ^2/NDF: 511007.0/42

asym_atl_dd_reg_correction_mean vs Slug



Right In: 222.165+/-957.923 χ^2/NDF: 16.0/16

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 105.512+/-323.598 χ^2/NDF: 26.2/19

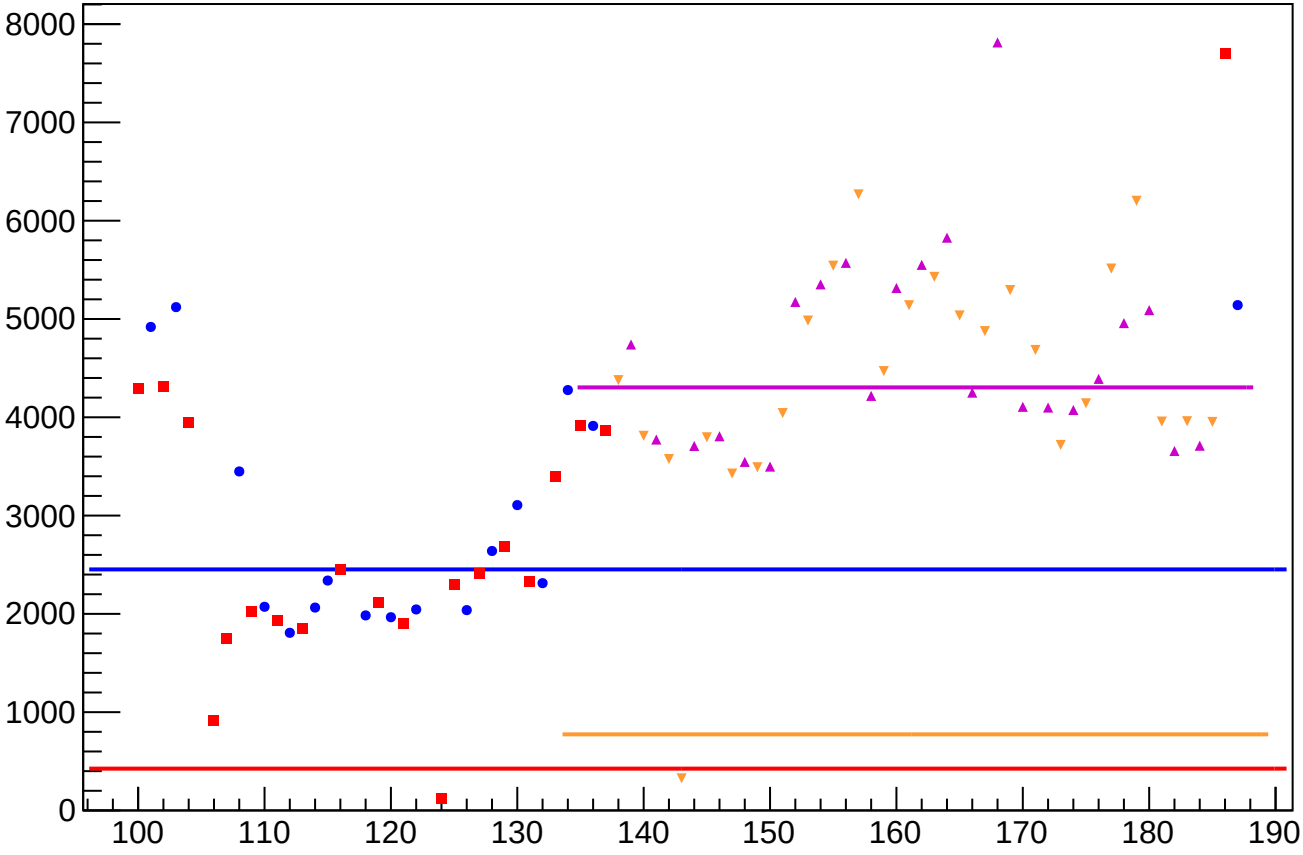
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

\+ sign 196.762+/-323.033 χ^2/NDF: 49.9/41

All: 145.417+/-223.140 χ^2/NDF: 89.4/84

\- sign 98.559+/-308.598 χ^2/NDF: 39.5/42

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2452.295+/-0.677 χ^2/NDF: 1561470.4/16

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 425.549+/-0.229 χ^2/NDF: 11794994.9/19

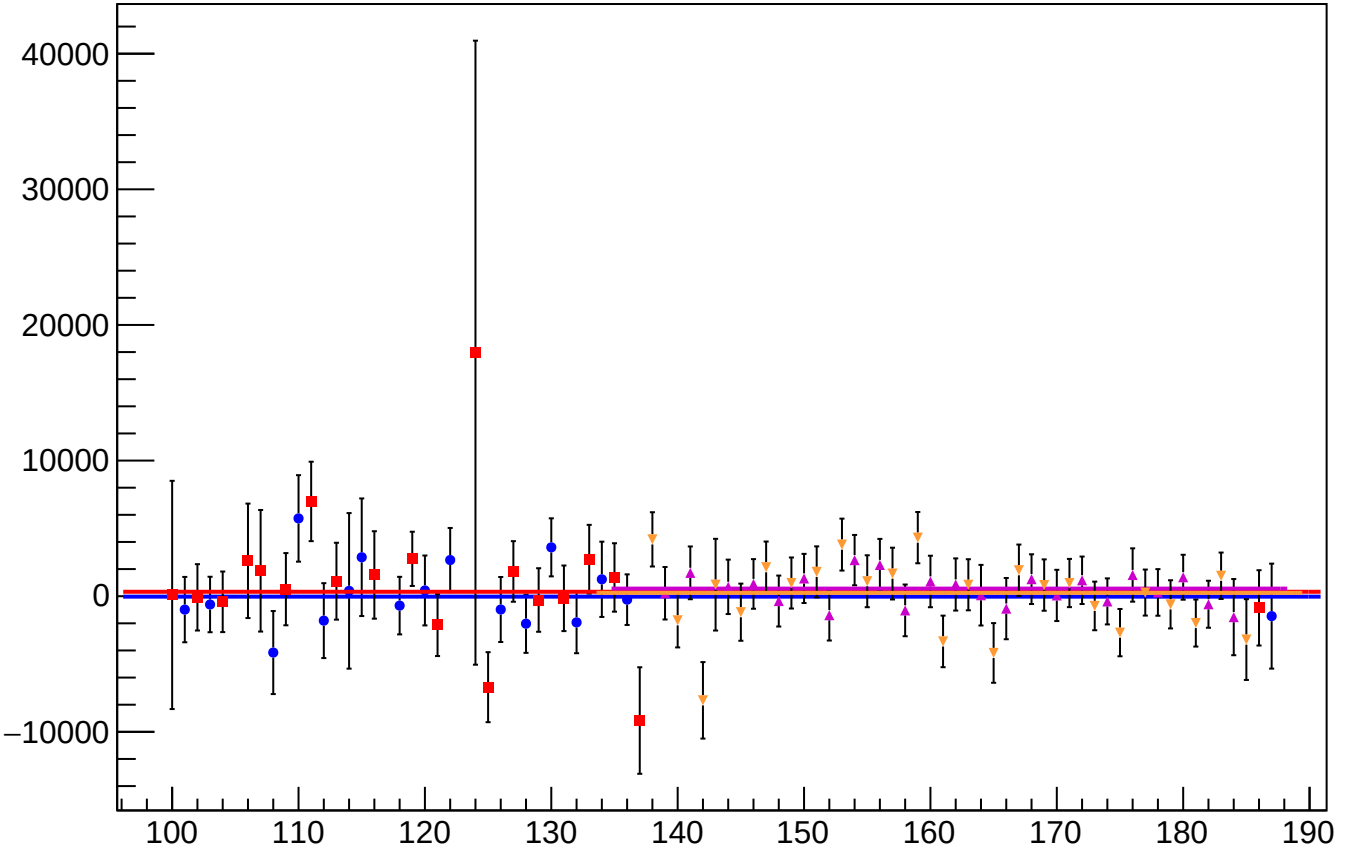
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 965.059+/-0.228 χ^2/NDF: 35086535.6/41

All: 866.618+/-0.158 χ^2/NDF: 74470959.9/84

- sign 776.778+/-0.218 χ^2/NDF: 39029183.7/42

cor_asym_atl_dd_mean vs Slug



Right In: -32.561+/-612.103 χ^2/NDF: 12.6/16

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 327.200+/-617.807 χ^2/NDF: 24.2/19

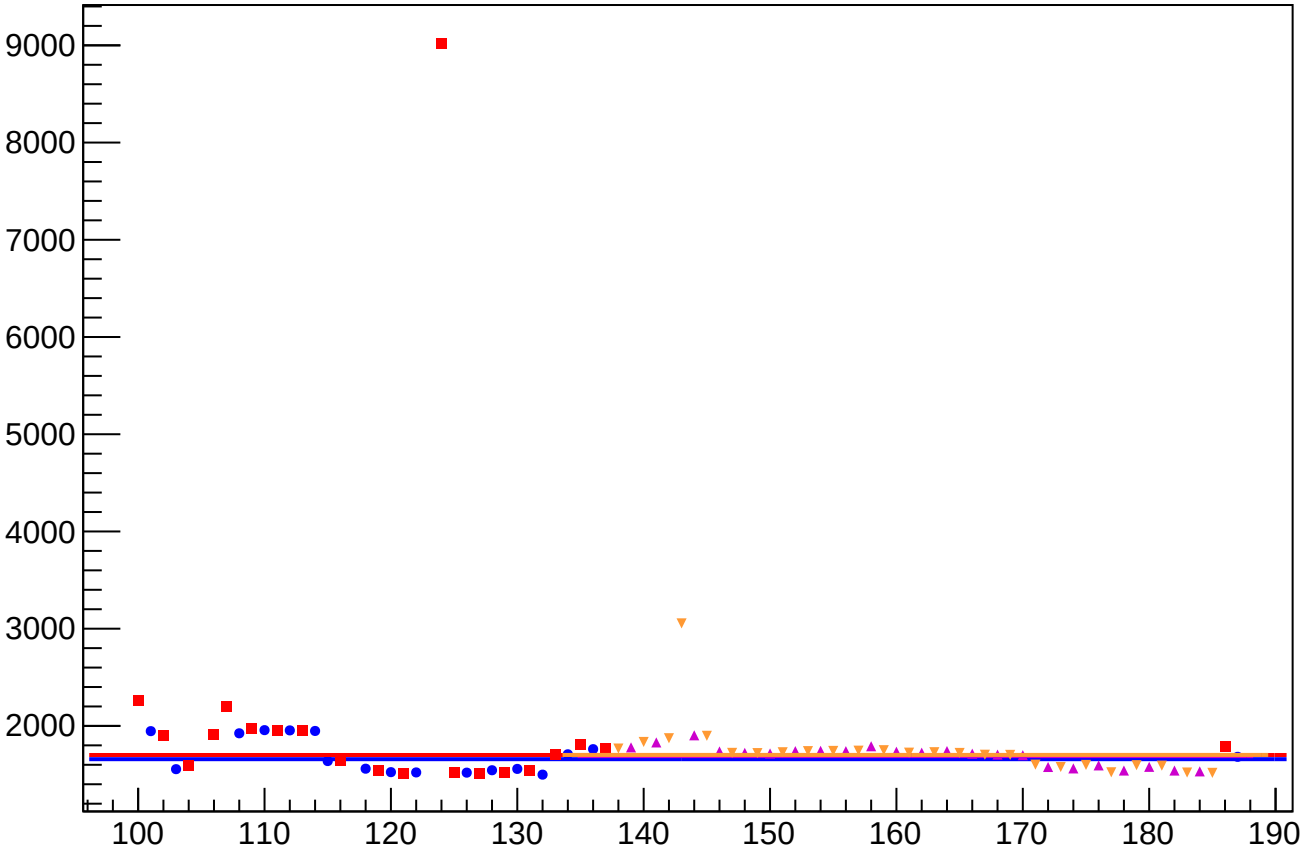
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

\+ sign 167.492+/-328.207 χ^2/NDF: 52.3/41

All: 327.655+/-233.705 χ^2/NDF: 84.7/84

\- sign 492.394+/-332.861 χ^2/NDF: 31.9/42

cor_asym_atl_dd_rms vs Slug



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

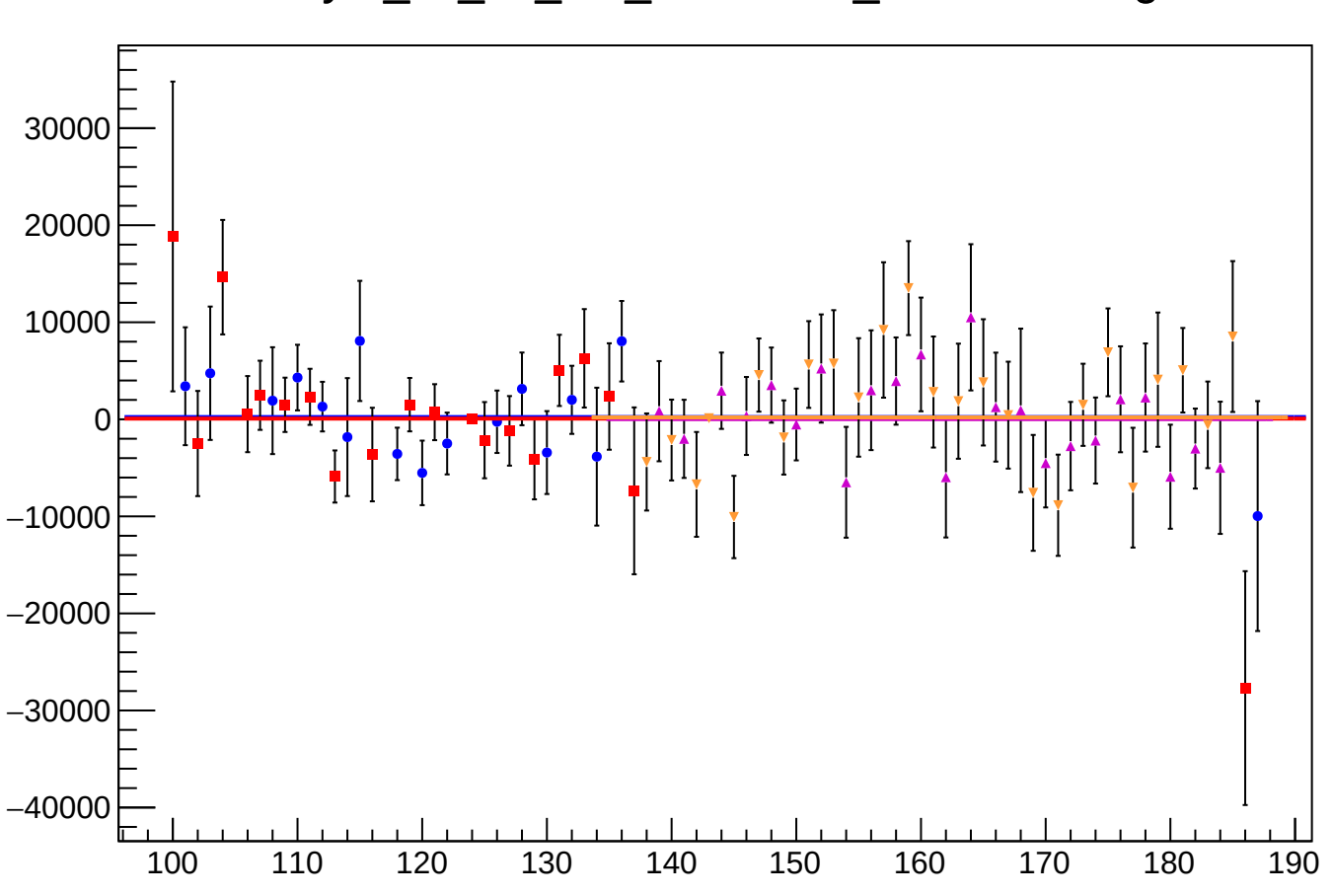
Right Out: 1700.861+/-0.435 χ^2/NDF: 389971.7/19

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1688.978+/-0.232 χ^2/NDF: 603752.3/41

All: 1690.788+/-0.165 χ^2/NDF: 1116668.6/84

- sign 1692.646+/-0.235 χ^2/NDF: 512793.1/42



Right In: 234.679+/-957.806 χ^2/NDF: 16.1/16

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 73.166+/-315.649 χ^2/NDF: 25.9/19

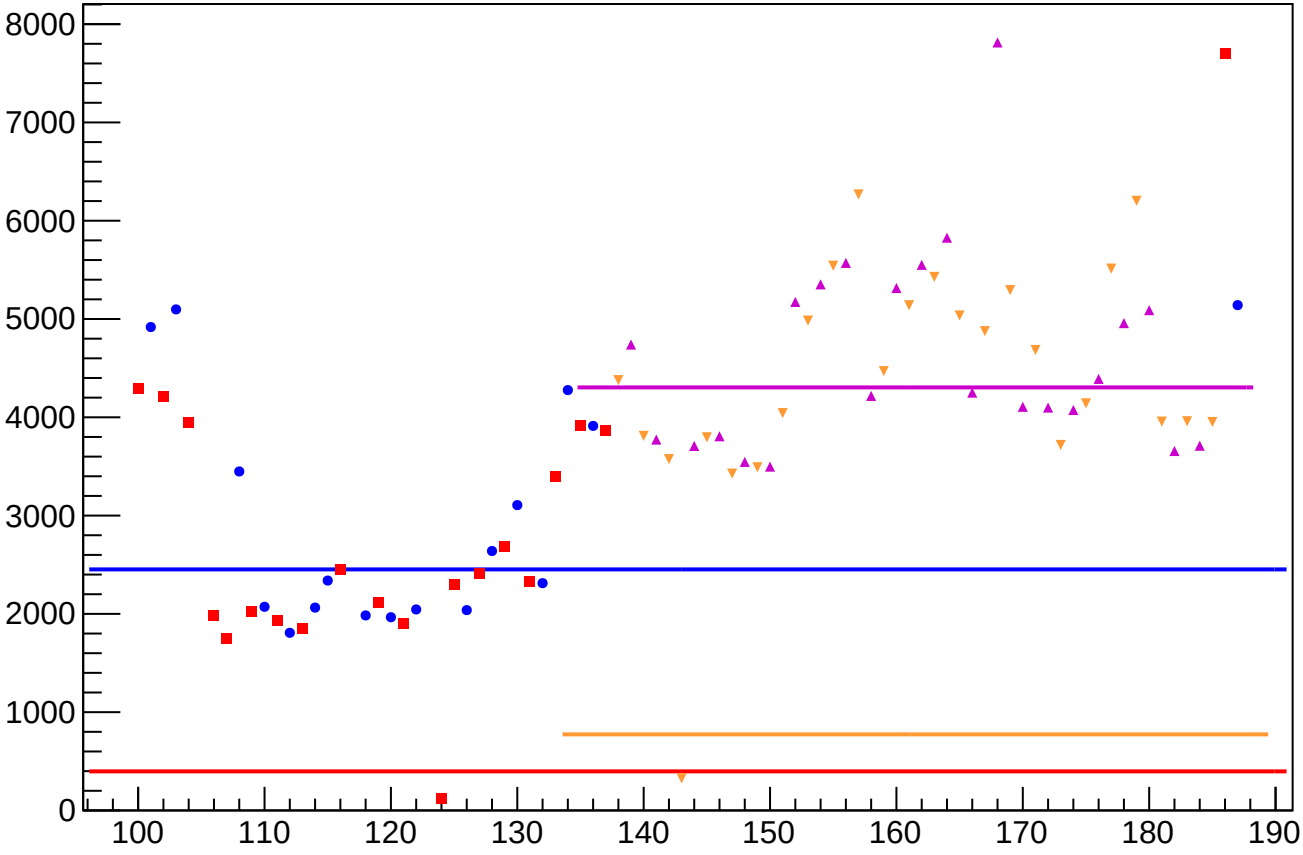
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

\+ sign 198.552+/-323.008 χ^2/NDF: 50.0/41

All: 129.531+/-220.475 χ^2/NDF: 89.3/84

\- sign 69.324+/-301.681 χ^2/NDF: 39.2/42

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2452.455+/-0.677 χ^2/NDF: 1559764.6/16

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 397.686+/-0.223 χ^2/NDF: 12144607.3/19

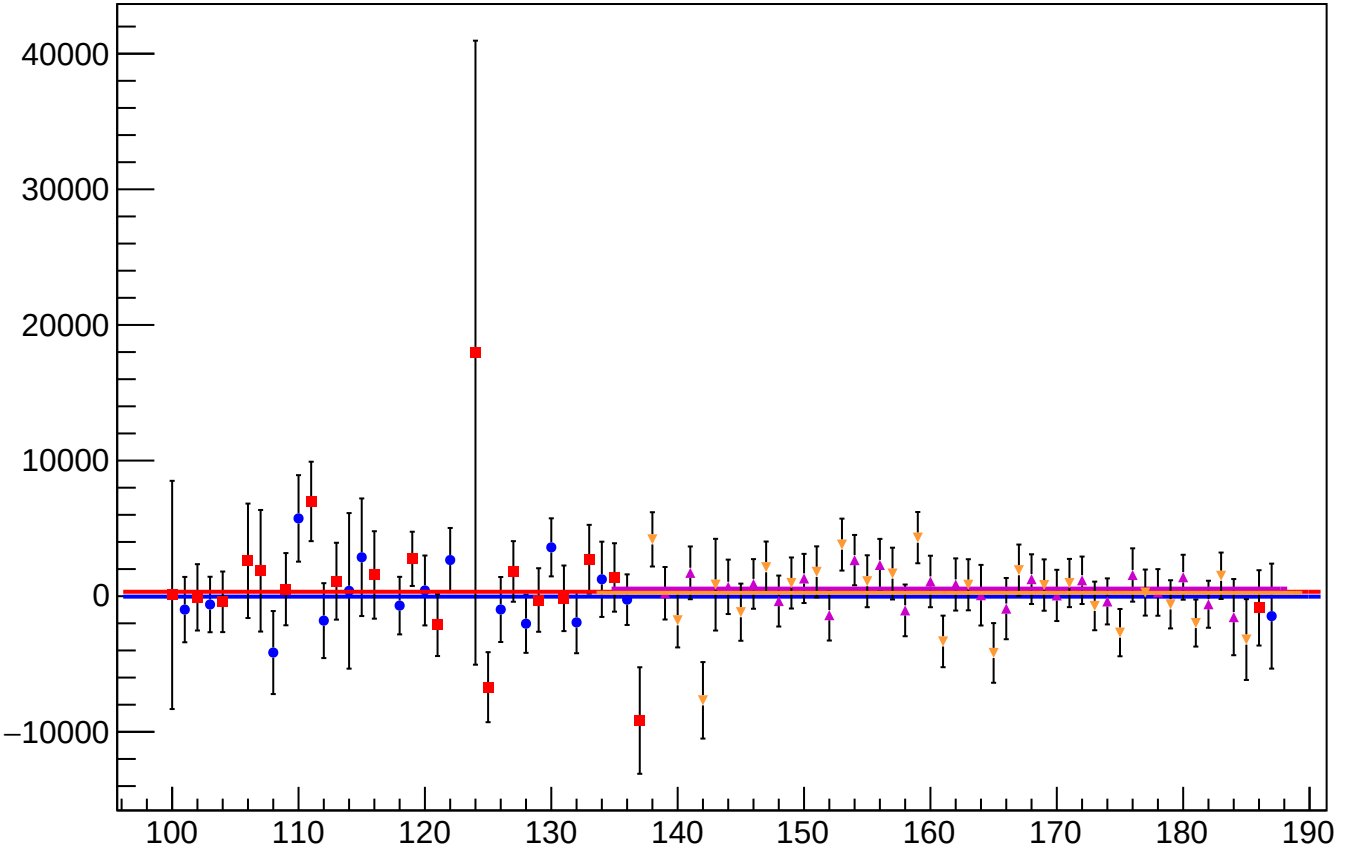
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 965.016+/-0.228 χ^2/NDF: 35088578.3/41

All: 842.569+/-0.156 χ^2/NDF: 75497127.8/84

- sign 735.758+/-0.213 χ^2/NDF: 39870433.7/42

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -32.561+/-612.103 χ^2/NDF: 12.6/16

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 327.200+/-617.807 χ^2/NDF: 24.2/19

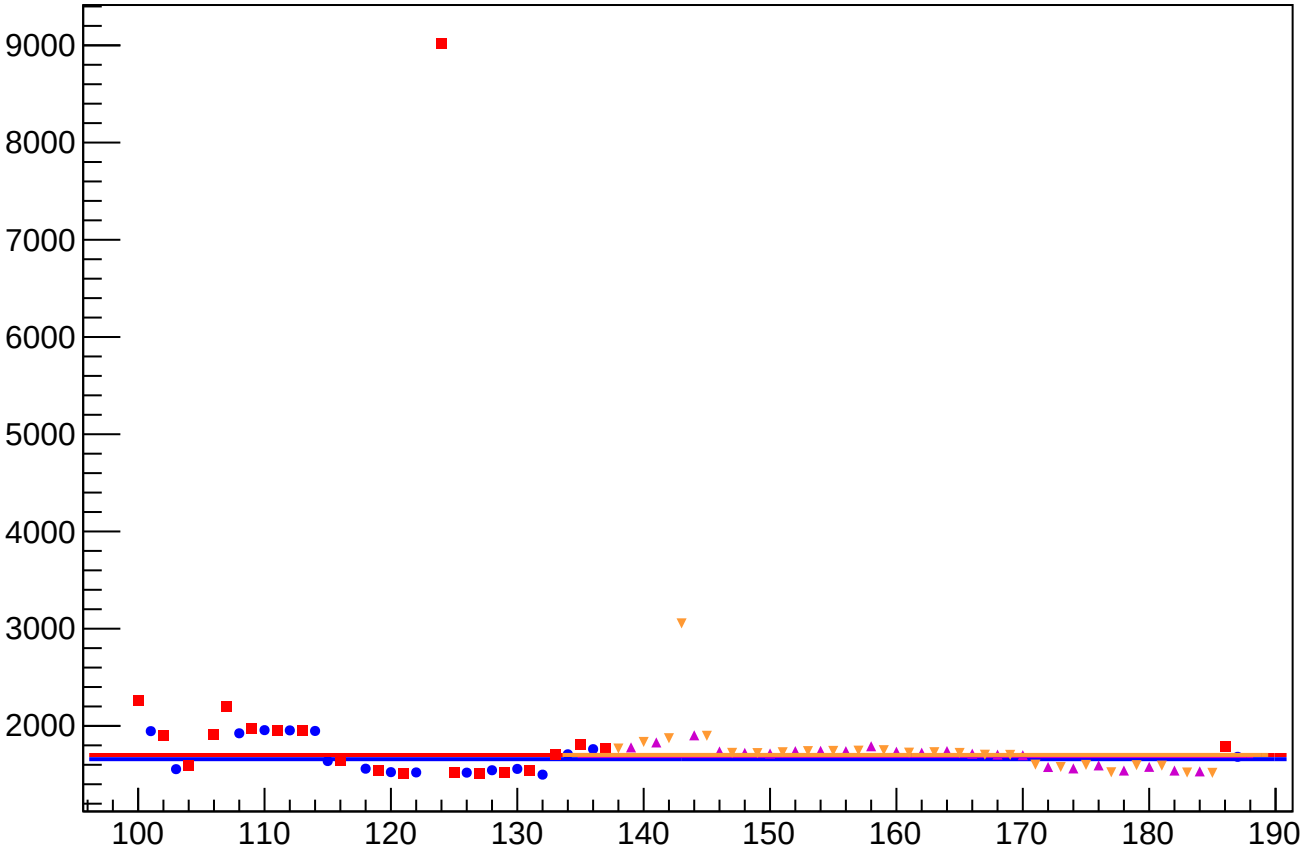
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 167.492+/-328.207 χ^2/NDF: 52.3/41

All: 327.655+/-233.705 χ^2/NDF: 84.7/84

- sign 492.394+/-332.861 χ^2/NDF: 31.9/42

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1700.861+/-0.435 χ^2/NDF: 389971.7/19

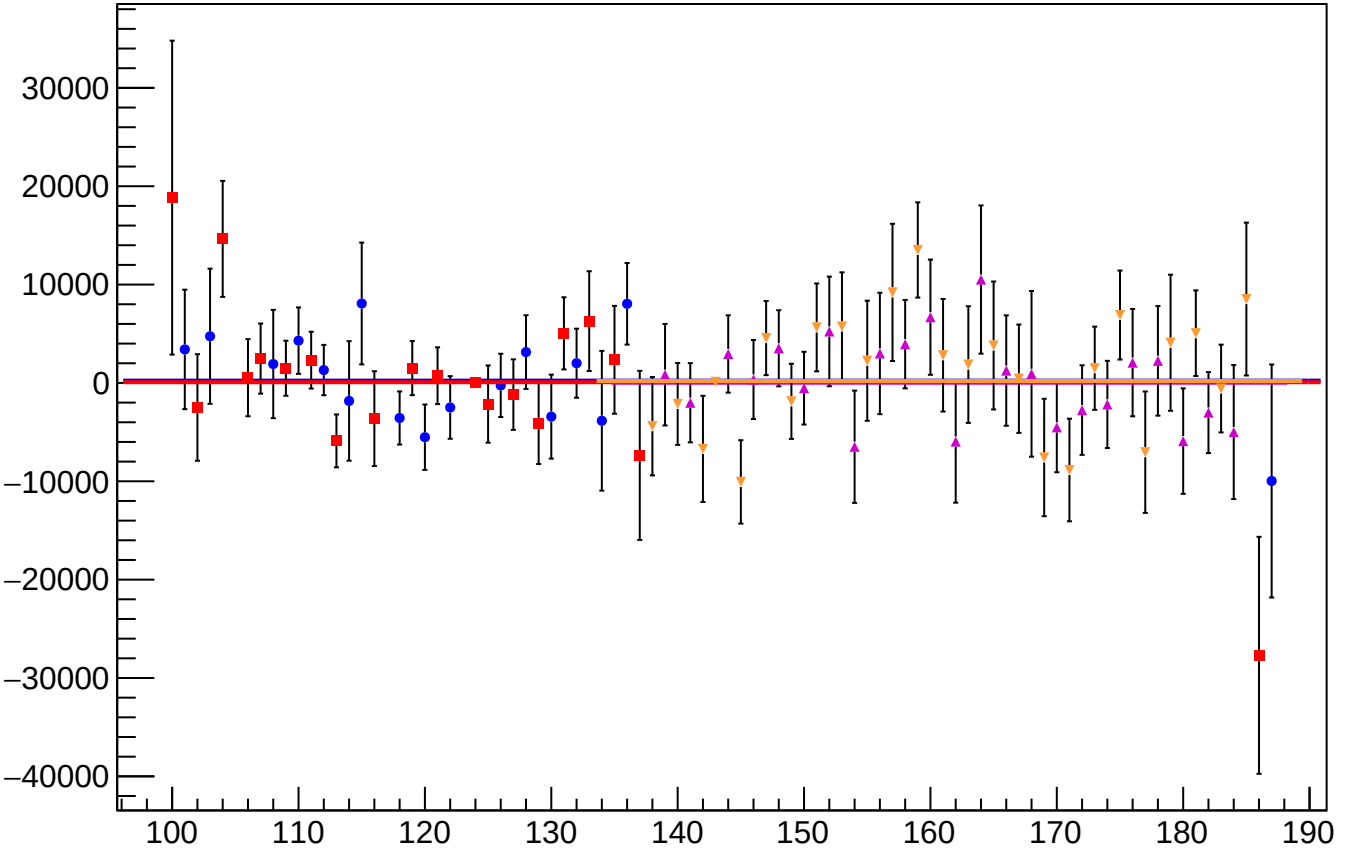
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1688.978+/-0.232 χ^2/NDF: 603752.3/41

All: 1690.788+/-0.165 χ^2/NDF: 1116668.6/84

- sign 1692.646+/-0.235 χ^2/NDF: 512793.1/42

asym_atl_dd_eigen_cor_correction_mean vs Slug



Right In: 234.679+/-957.806 χ^2/NDF: 16.1/16

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 73.166+/-315.649 χ^2/NDF: 25.9/19

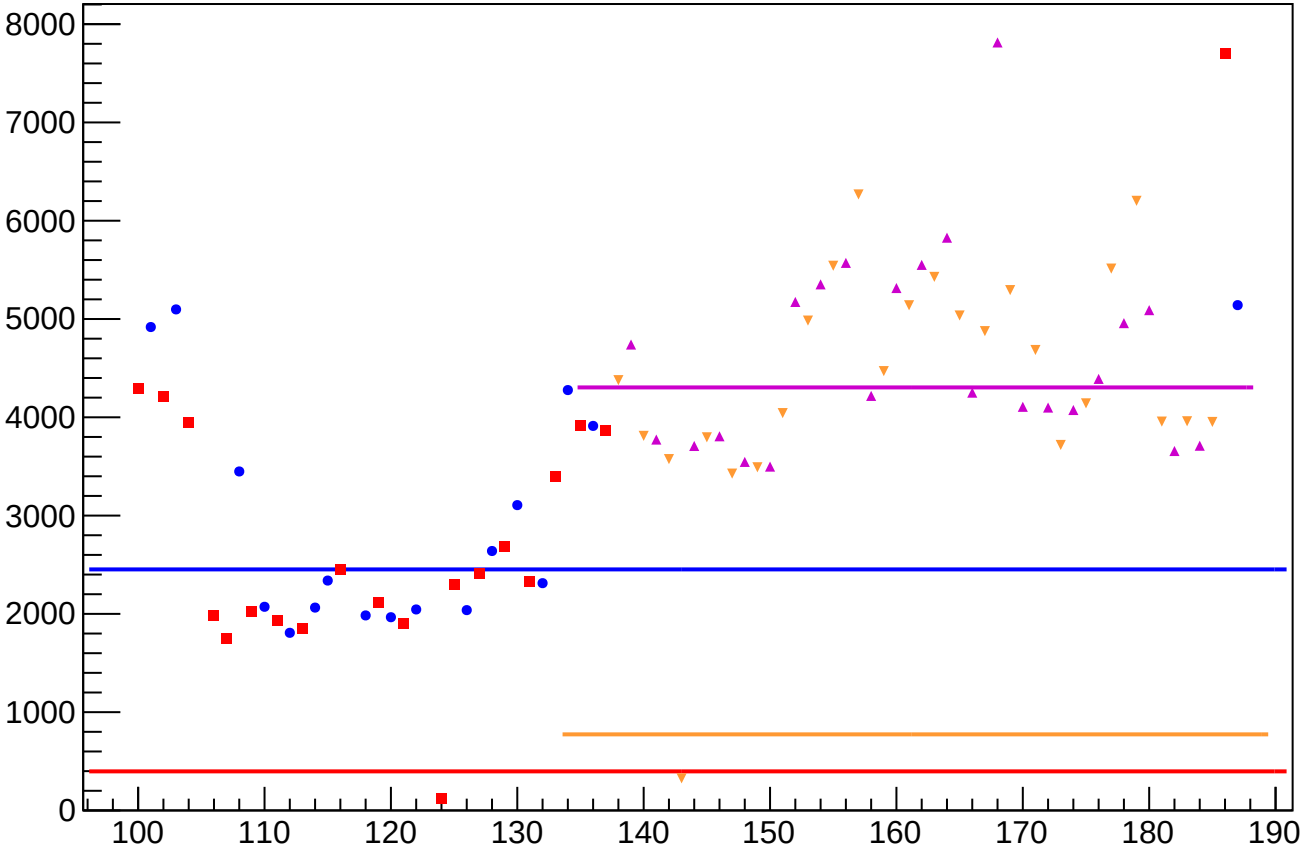
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 198.552+/-323.008 χ^2/NDF: 50.0/41

All: 129.531+/-220.475 χ^2/NDF: 89.3/84

- sign 69.324+/-301.681 χ^2/NDF: 39.2/42

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2452.455+/-0.677 χ^2/NDF: 1559764.6/16

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 397.686+/-0.223 χ^2/NDF: 12144607.3/19

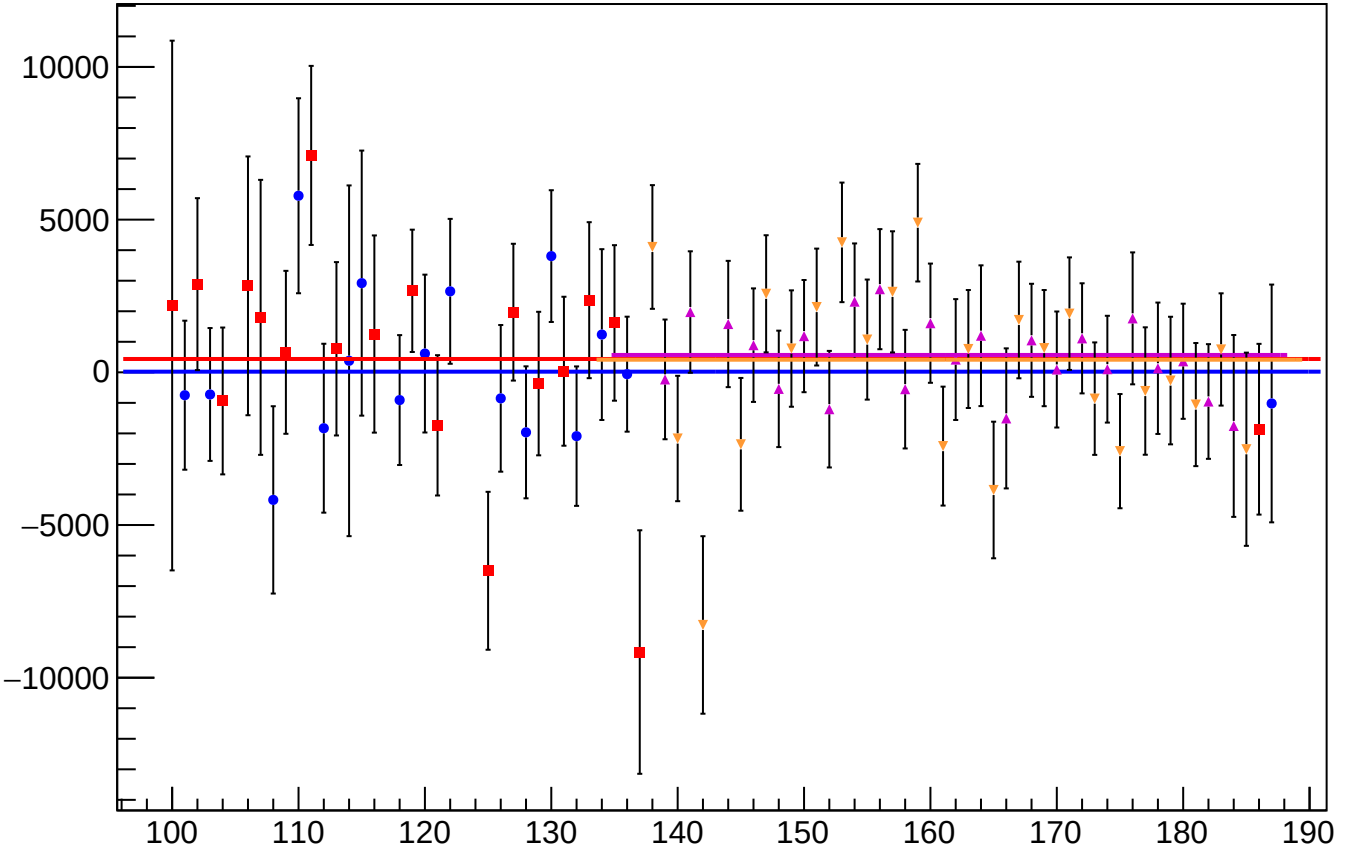
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 965.016+/-0.228 χ^2/NDF: 35088578.3/41

All: 842.569+/-0.156 χ^2/NDF: 75497127.8/84

- sign 735.758+/-0.213 χ^2/NDF: 39870433.7/42

dit_asym_atl_dd_mean vs Slug



Right In: 21.408+/-618.206 χ^2/NDF: 12.9/16

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 437.049+/-628.759 χ^2/NDF: 24.0/18

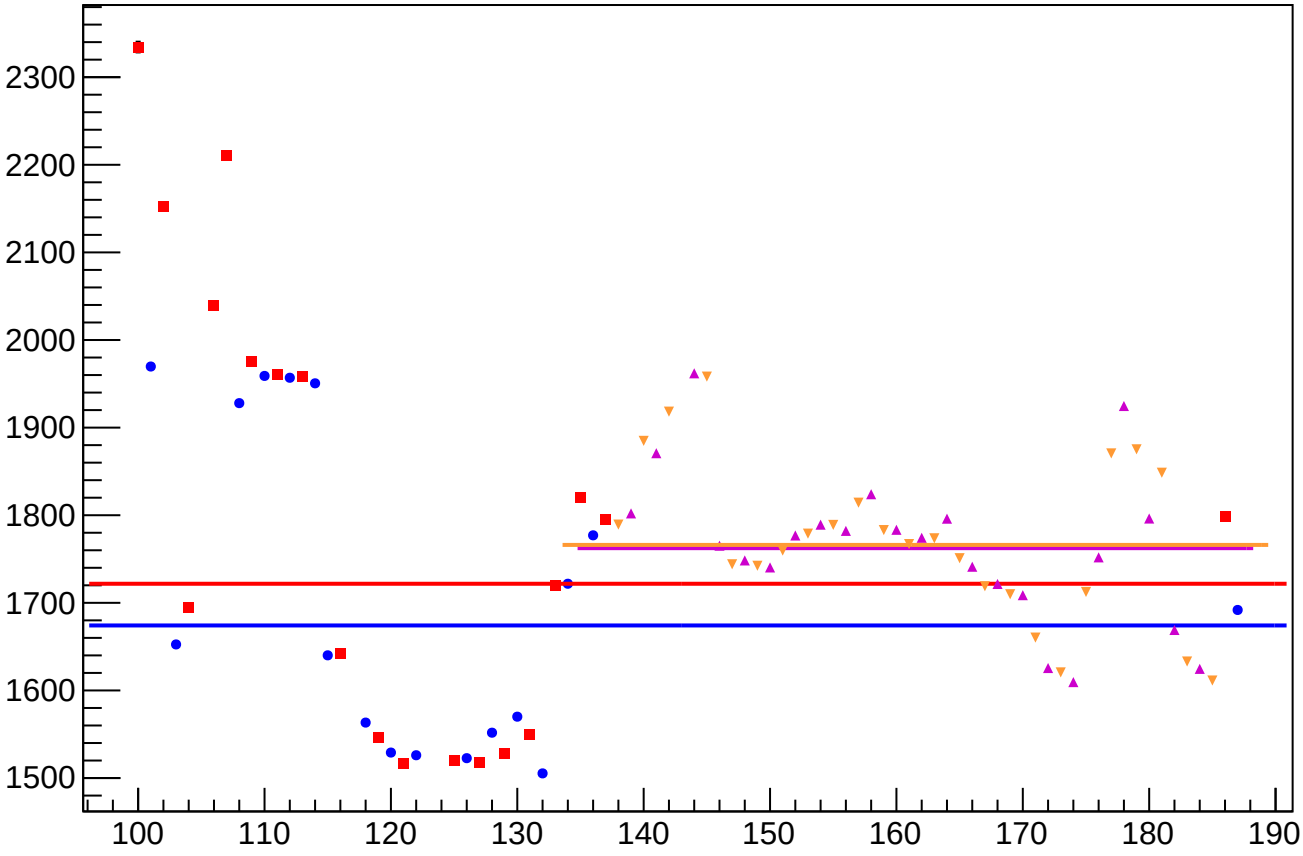
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 293.373+/-341.995 χ^2/NDF: 53.2/40

All: 410.395+/-242.756 χ^2/NDF: 85.1/82

- sign 529.232+/-344.639 χ^2/NDF: 31.7/41

dit_asym_atl_dd_rms vs Slug



Right In: 1674.186+/-0.437 χ^2/NDF: 140915.4/16

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1721.778+/-0.444 χ^2/NDF: 229224.7/18

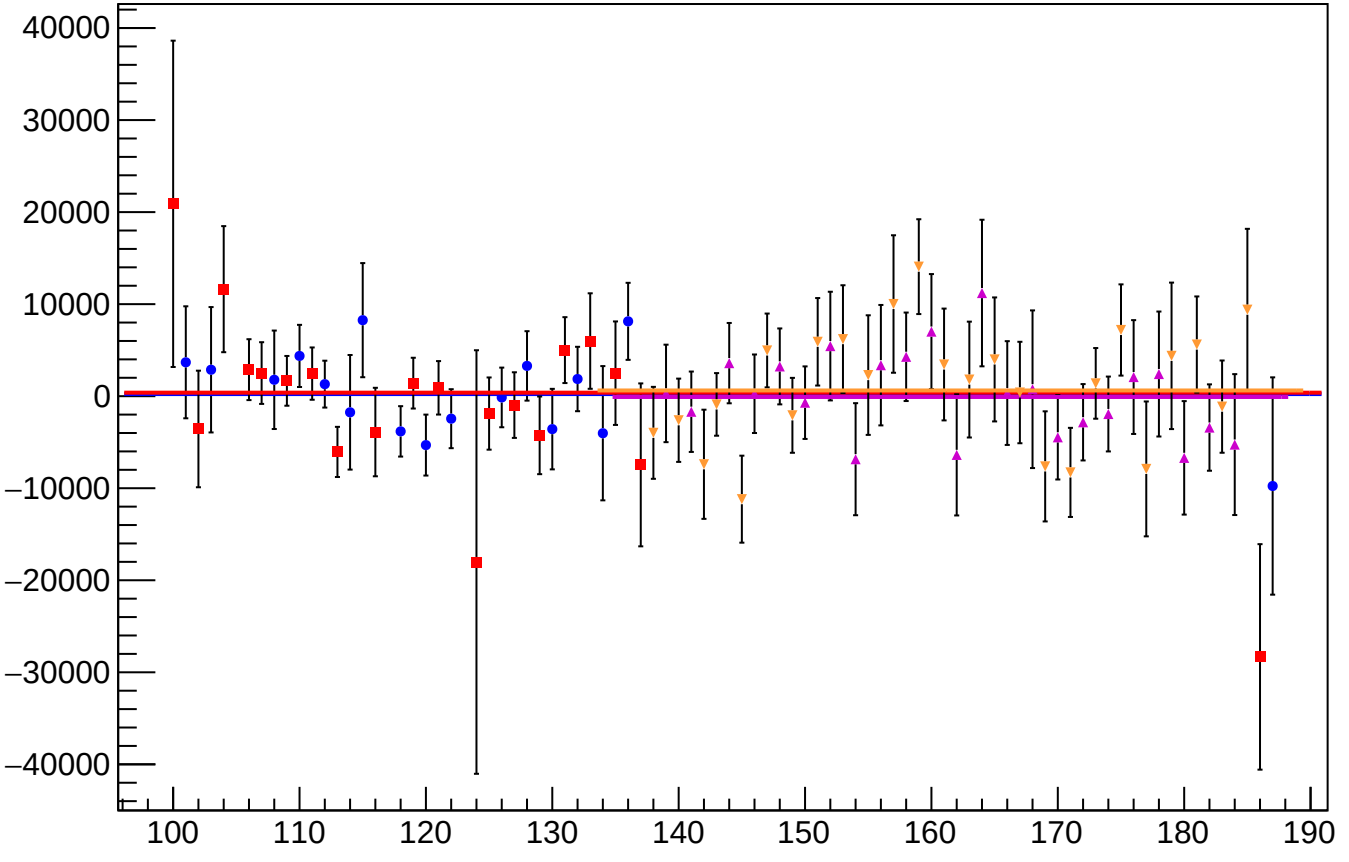
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1737.981+/-0.242 χ^2/NDF: 254858.5/40

All: 1744.029+/-0.172 χ^2/NDF: 571292.8/82

- sign 1750.161+/-0.244 χ^2/NDF: 315174.9/41

asym_atl_dd_dit_correction_mean vs Slug



Right In: 229.820+/-961.473 χ^2/NDF: 16.0/16

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 381.522+/-881.676 χ^2/NDF: 24.3/19

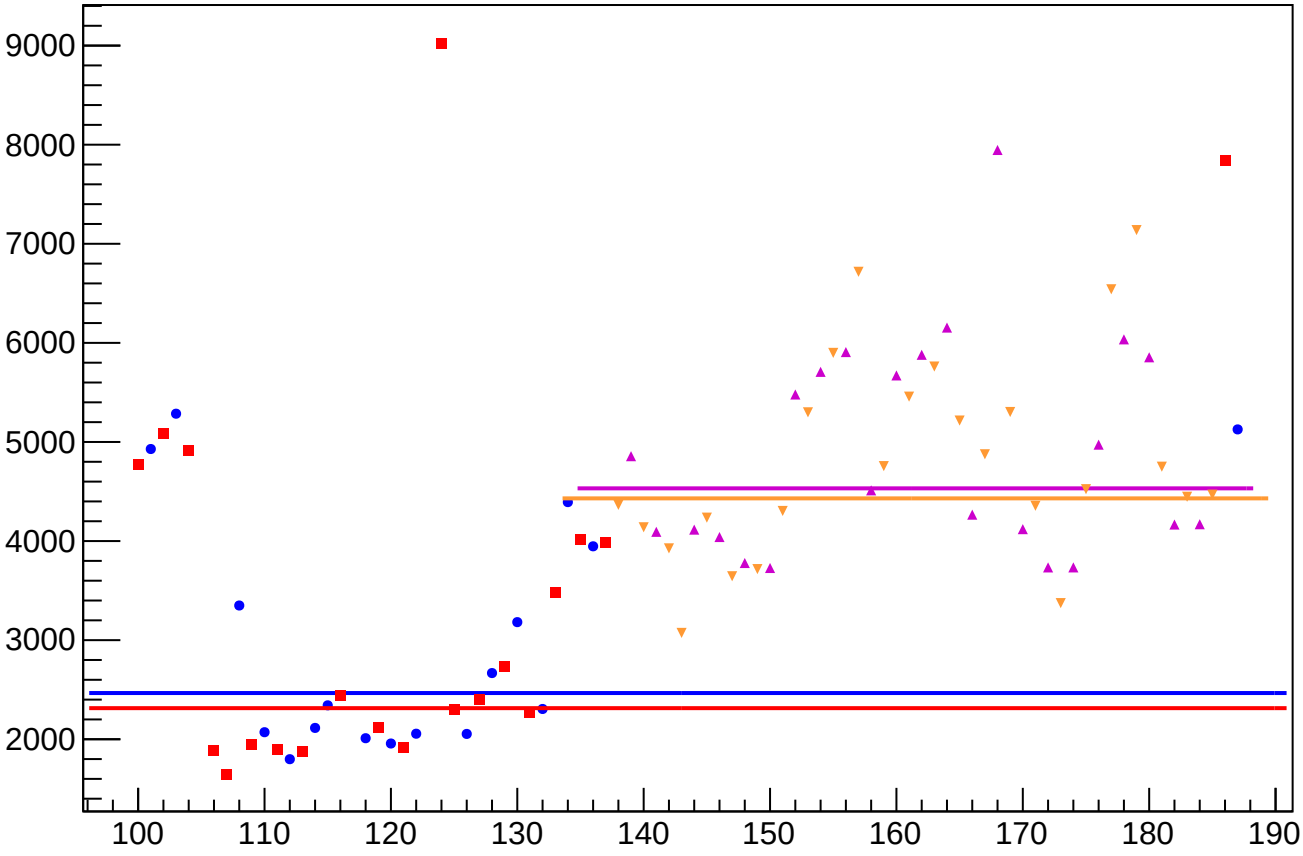
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 410.466+/-704.317 χ^2/NDF: 49.1/41

All: 299.656+/-490.546 χ^2/NDF: 86.5/84

- sign 195.264+/-683.620 χ^2/NDF: 37.3/42

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2466.361+/-0.680 χ^2/NDF: 1619828.5/16

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

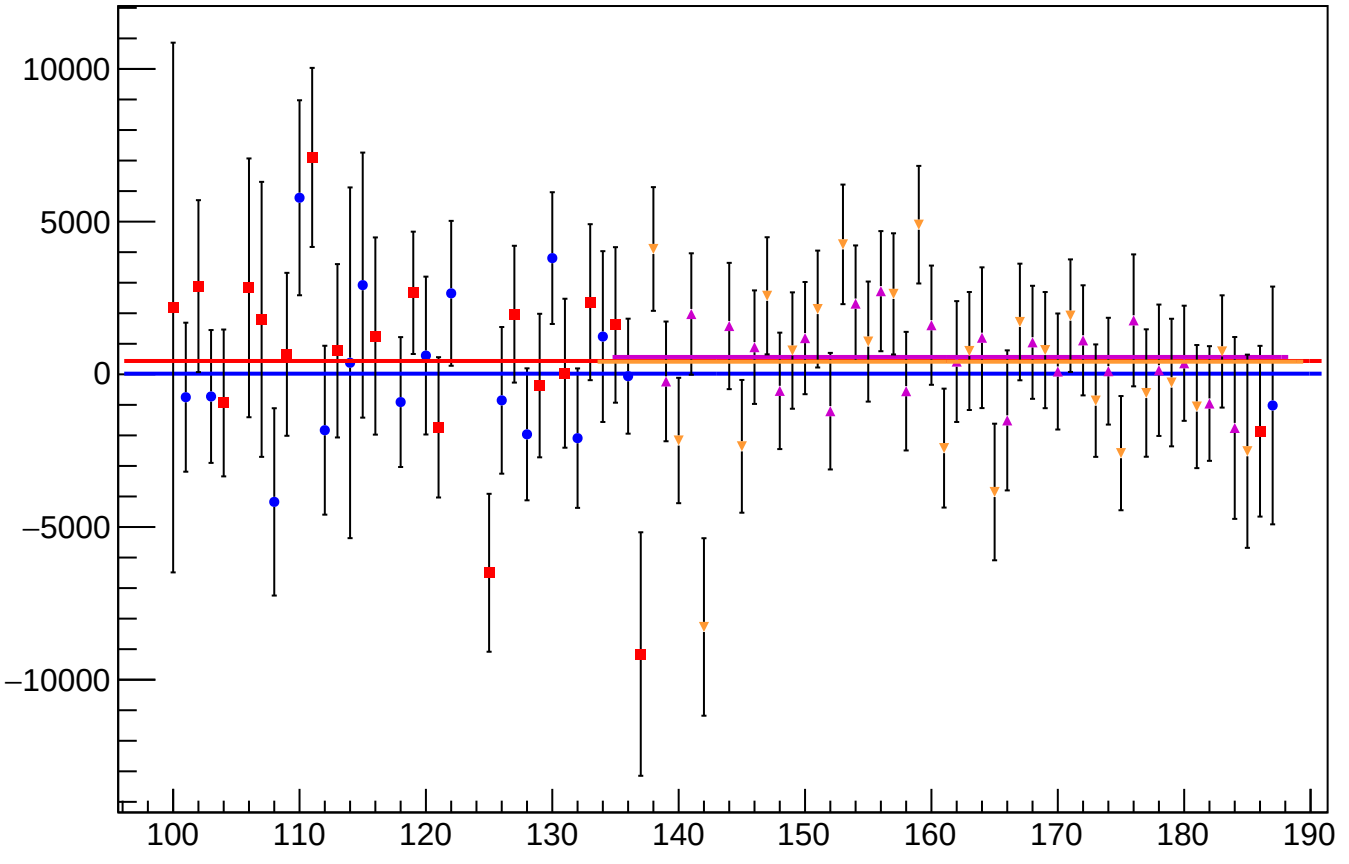
Right Out: 2313.831+/-0.623 χ^2/NDF: 1957411.4/19

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3376.653+/-0.498 χ^2/NDF: 7101881.1/41

All: 3284.889+/-0.347 χ^2/NDF: 15550010.1/8

- sign 3198.439+/-0.483 χ^2/NDF: 8382195.3/42



Right In: 21.405+/-618.205 χ^2/NDF: 12.9/16

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 437.053+/-628.759 χ^2/NDF: 24.0/18

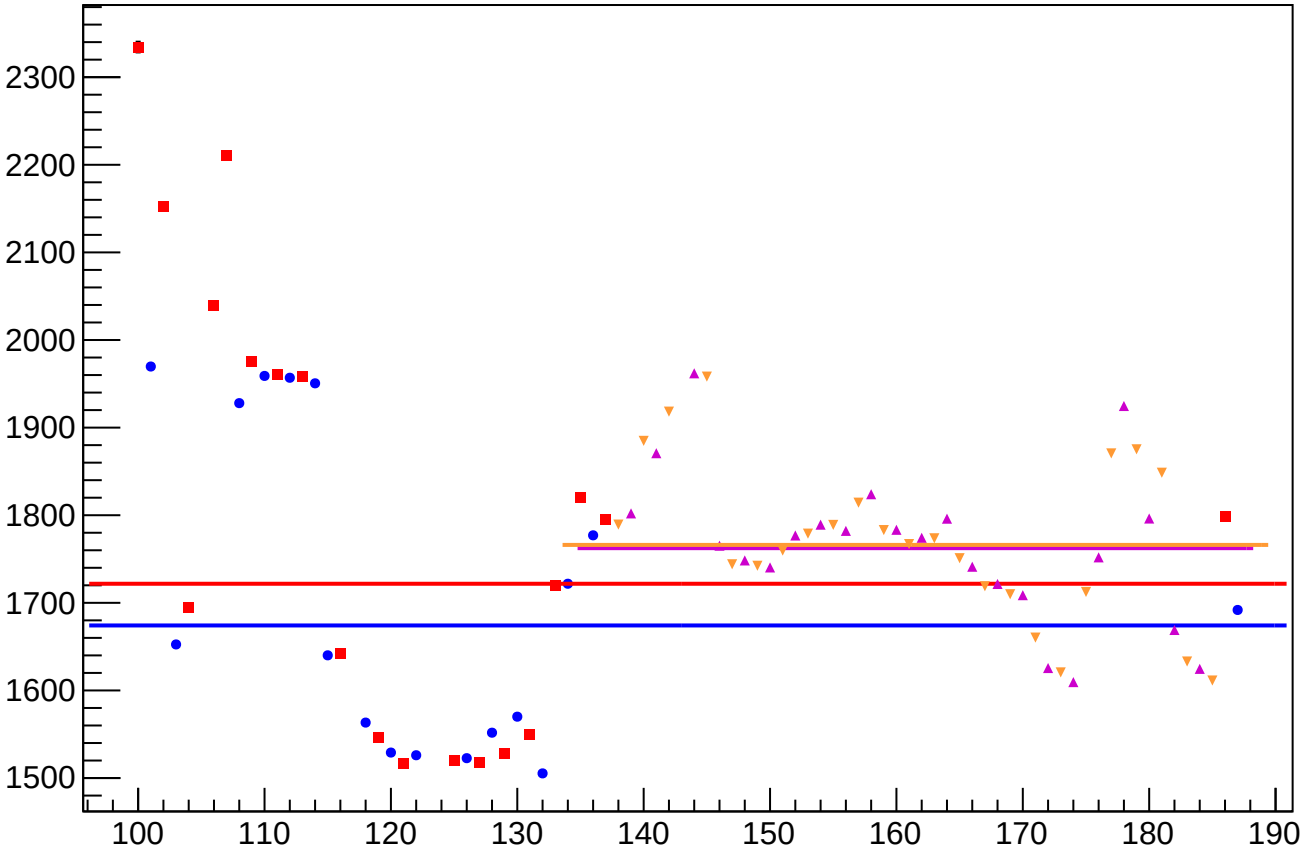
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 293.373+/-341.995 χ^2/NDF: 53.2/40

All: 410.395+/-242.756 χ^2/NDF: 85.1/82

- sign 529.233+/-344.639 χ^2/NDF: 31.7/41

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1674.186+/-0.437 χ^2/NDF: 140915.5/16

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1721.777+/-0.444 χ^2/NDF: 229224.0/18

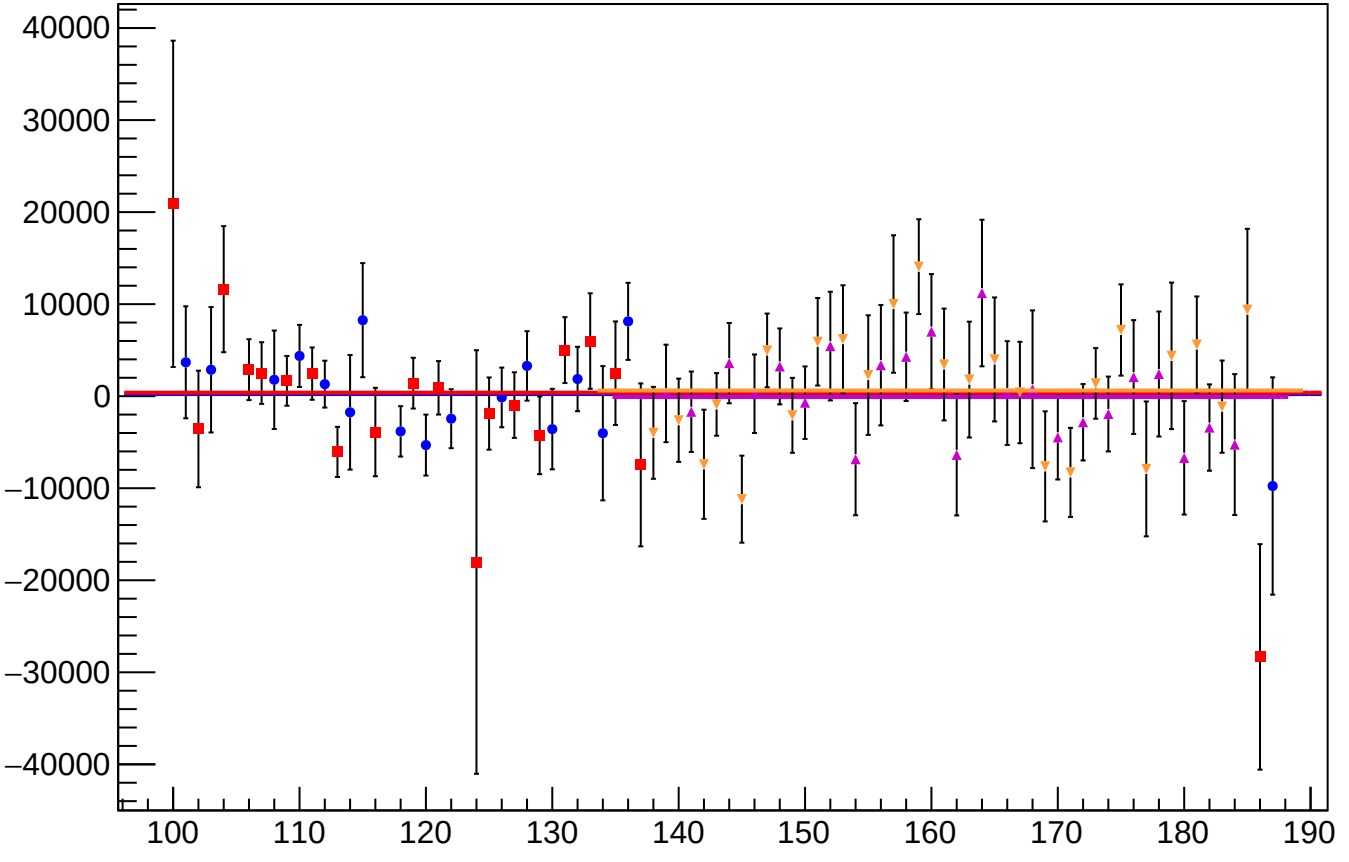
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1737.982+/-0.242 χ^2/NDF: 254862.2/40

All: 1744.029+/-0.172 χ^2/NDF: 571298.8/82

- sign 1750.162+/-0.244 χ^2/NDF: 315177.1/41

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 229.815+/-961.469 χ^2/NDF: 16.0/16

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 381.525+/-881.673 χ^2/NDF: 24.3/19

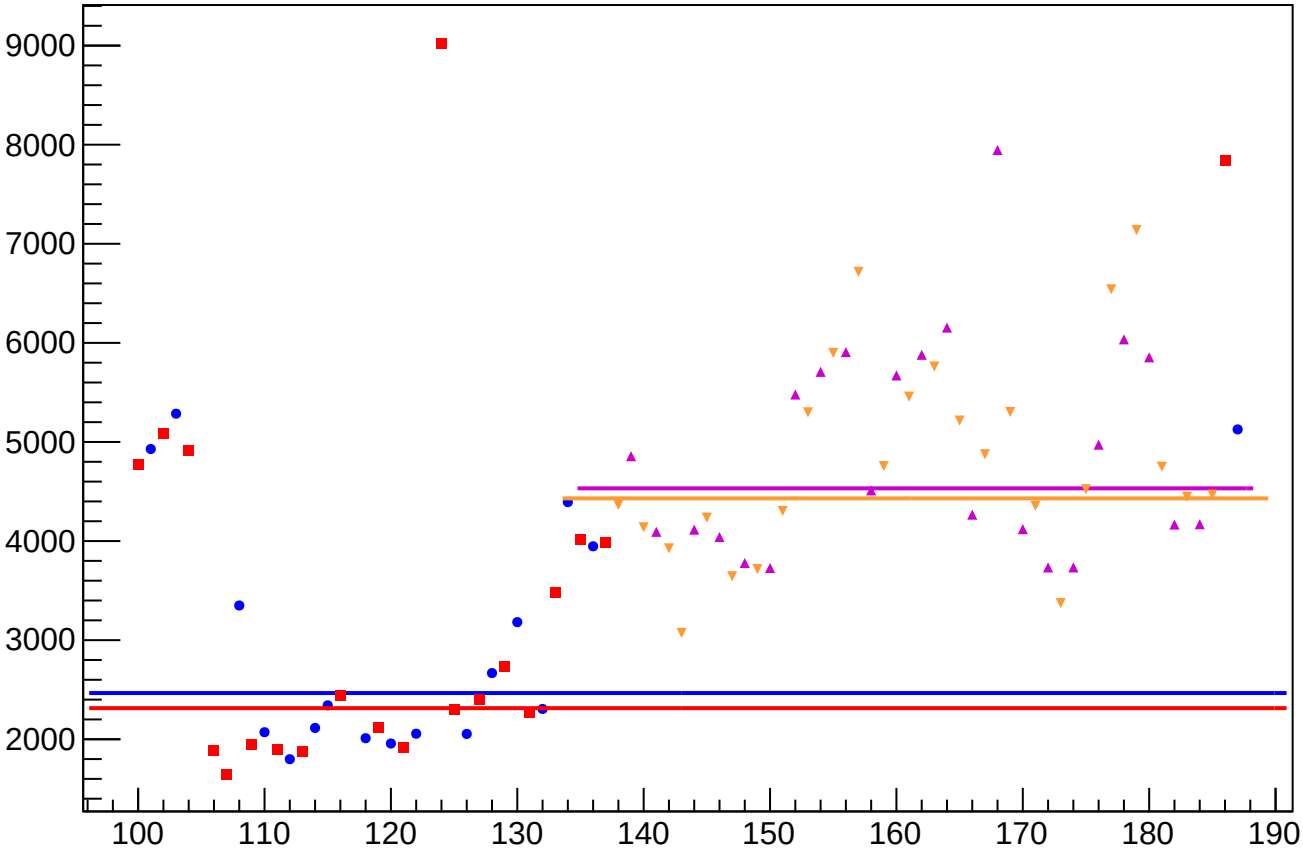
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 410.464+/-704.316 χ^2/NDF: 49.1/41

All: 299.657+/-490.545 χ^2/NDF: 86.5/84

- sign 195.267+/-683.619 χ^2/NDF: 37.3/42

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2466.350+/-0.680 χ^2/NDF: 1619842.4/16

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2313.822+/-0.623 χ^2/NDF: 1957420.8/19

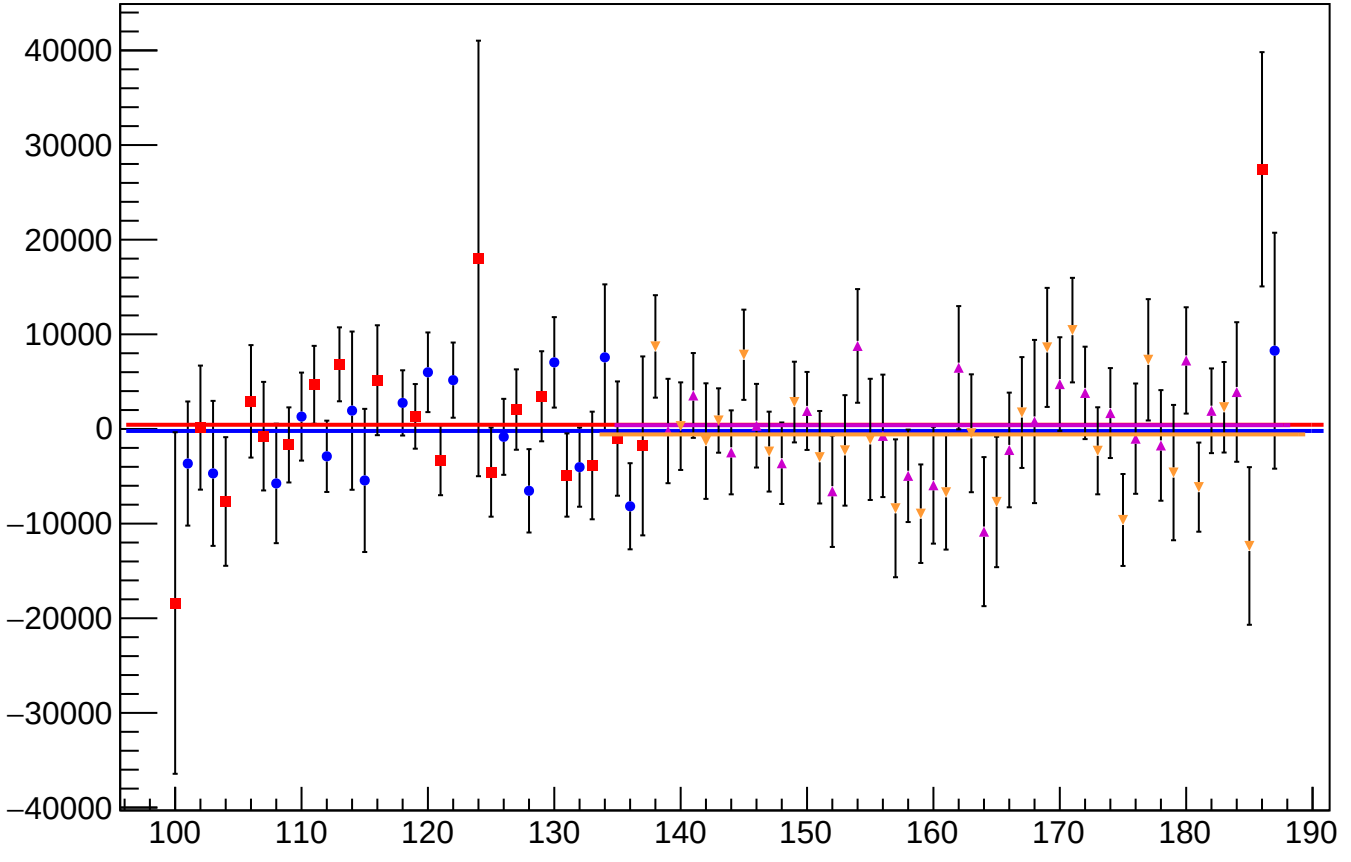
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3376.645+/-0.498 χ^2/NDF: 7101974.5/41

All: 3284.881+/-0.347 χ^2/NDF: 15550190.9/8

- sign 3198.431+/-0.483 χ^2/NDF: 8382282.7/42

asym_atl_dd_mean vs Slug



Right In: -209.056+/-1191.854 χ^2/NDF: 17.0/16

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 444.040+/-1148.762 χ^2/NDF: 17.7/19

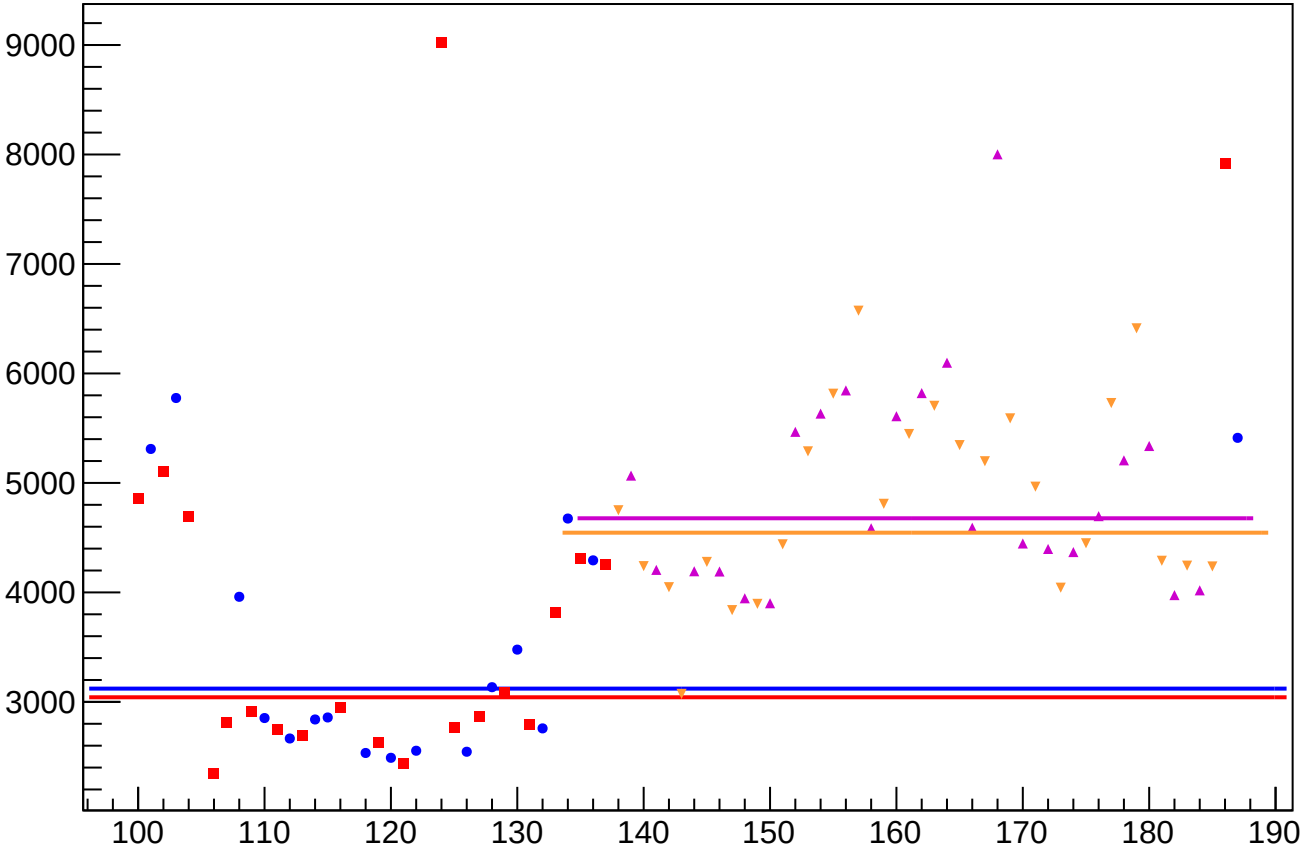
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -413.210+/-789.903 χ^2/NDF: 45.9/41

All: -0.668+/-561.404 χ^2/NDF: 78.1/84

- sign 420.429+/-798.051 χ^2/NDF: 31.7/42

asym_atl_dd_rms vs Slug



Right In: 3121.267+/-0.843 χ^2/NDF: 1031820.2/16

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

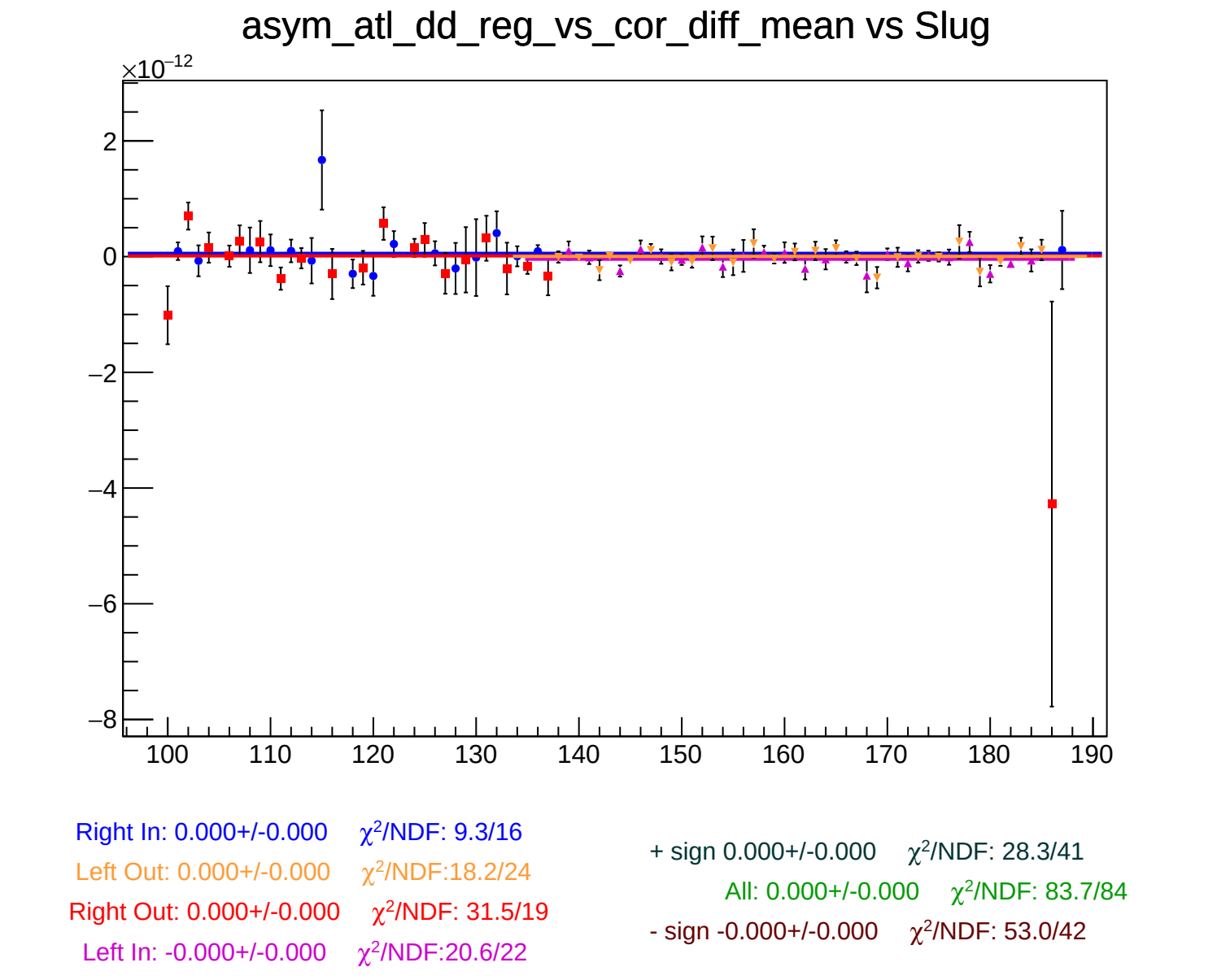
Right Out: 3042.016+/-0.801 χ^2/NDF: 1120143.7/19

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

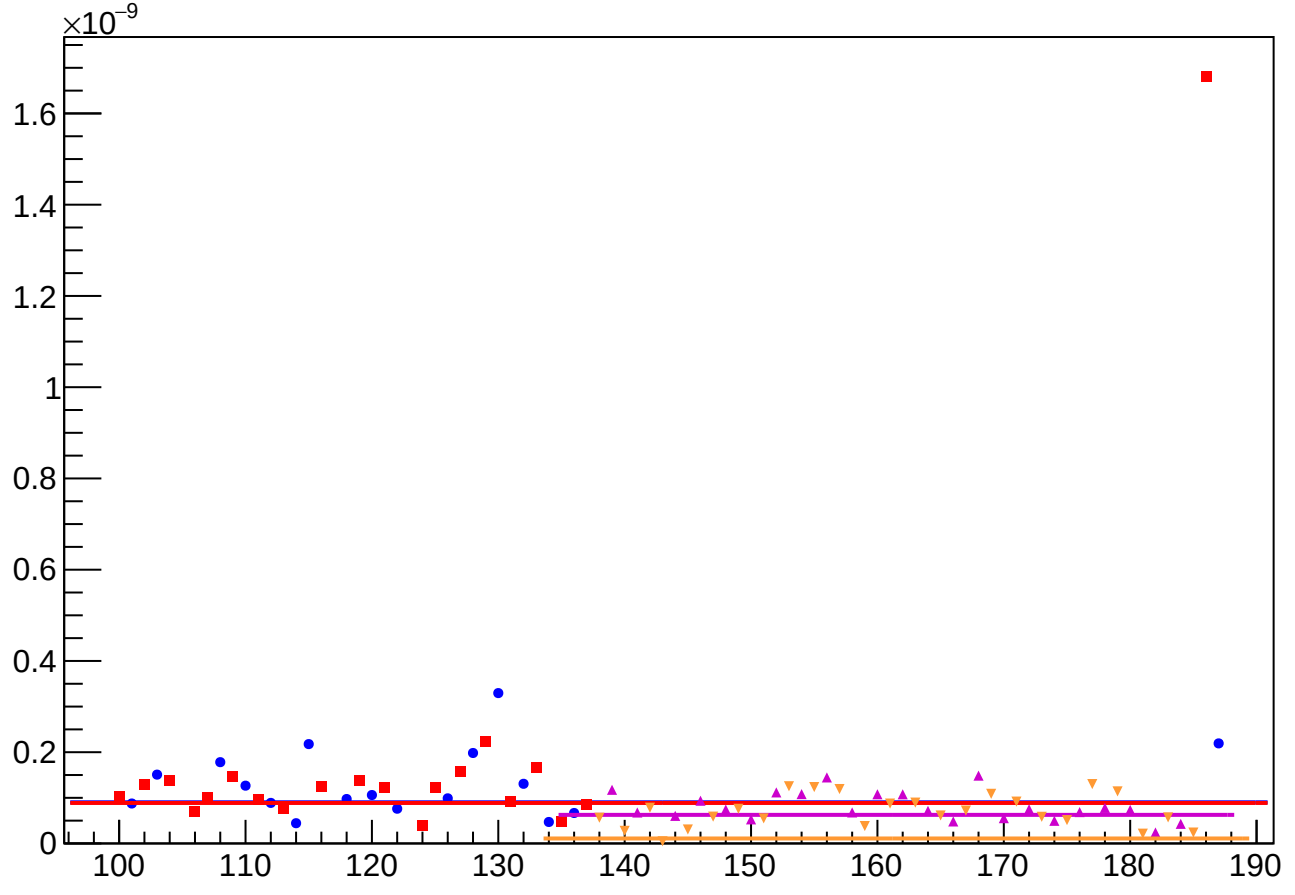
+ sign 3919.915+/-0.559 χ^2/NDF: 3891823.7/41

All: 3898.513+/-0.396 χ^2/NDF: 8100262.2/84

- sign 3876.951+/-0.561 χ^2/NDF: 4205490.9/42


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 9.3/16
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.5/19
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 28.3/41
All: 0.000+/-0.000 χ²/NDF: 83.7/84
- sign -0.000+/-0.000 χ²/NDF: 53.0/42

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1022902.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1427806.0/19

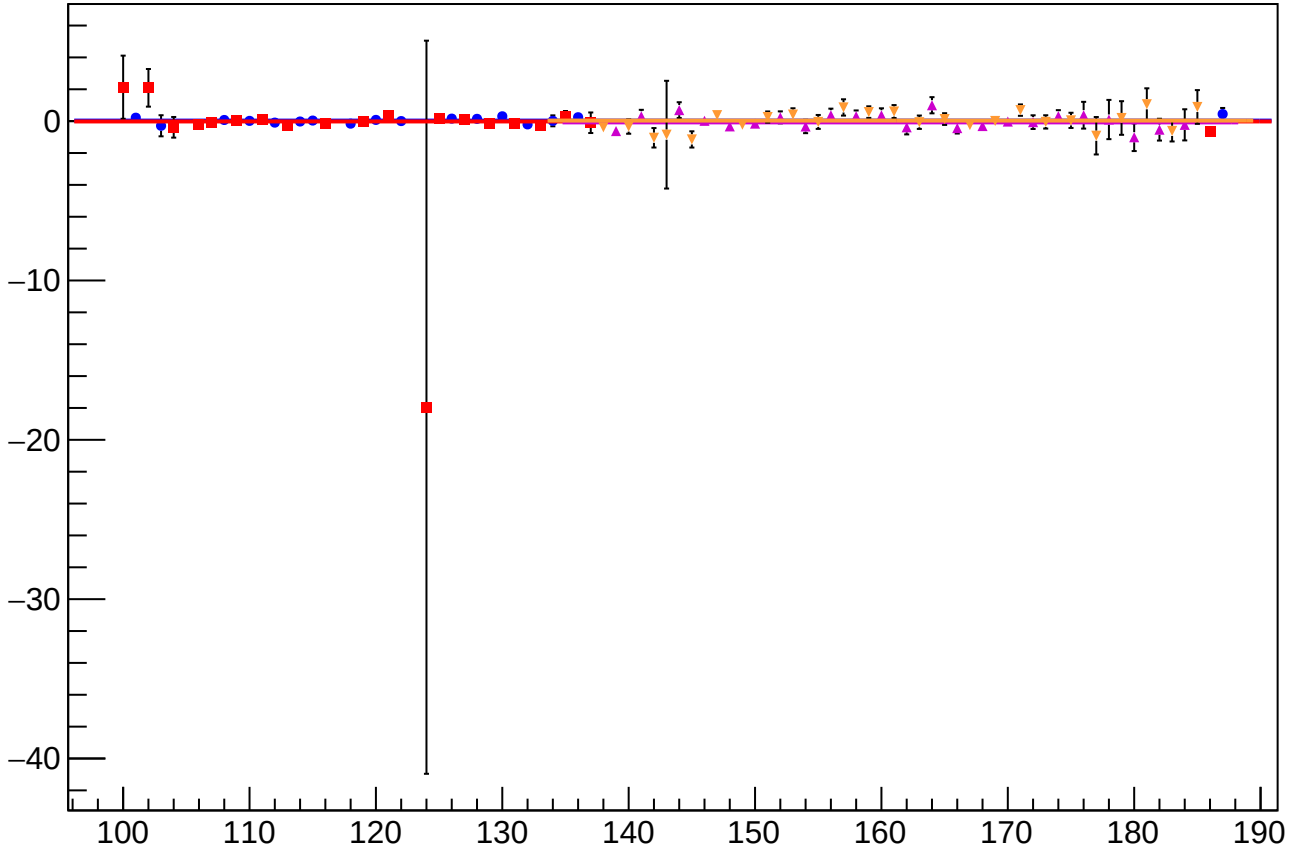
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14610445.5/41

All: 0.000+/-0.000 χ^2/NDF: 28084445.1/84

- sign 0.000+/-0.000 χ^2/NDF: 3880347.2/42

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

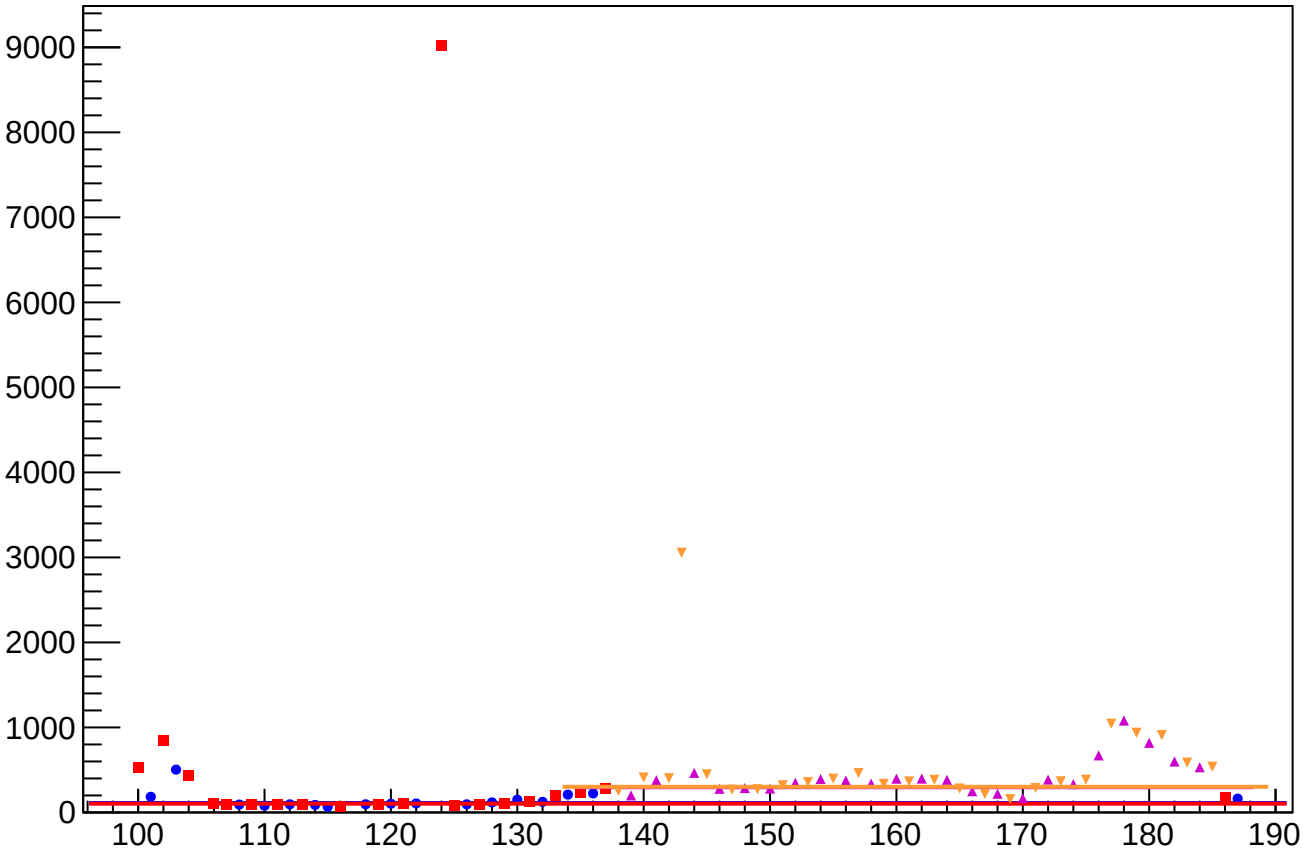
Right Out: -0.019+/-0.043 χ^2/NDF: 27.9/19

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.039 χ^2/NDF: 39.7/41

All: -0.001+/-0.027 χ^2/NDF: 93.8/84

- sign -0.033+/-0.037 χ^2/NDF: 52.5/42



Right In: 110.719+/-0.032 χ^2/NDF: 1967977.1/16

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 103.523+/-0.030 χ^2/NDF: 2715549.3/19

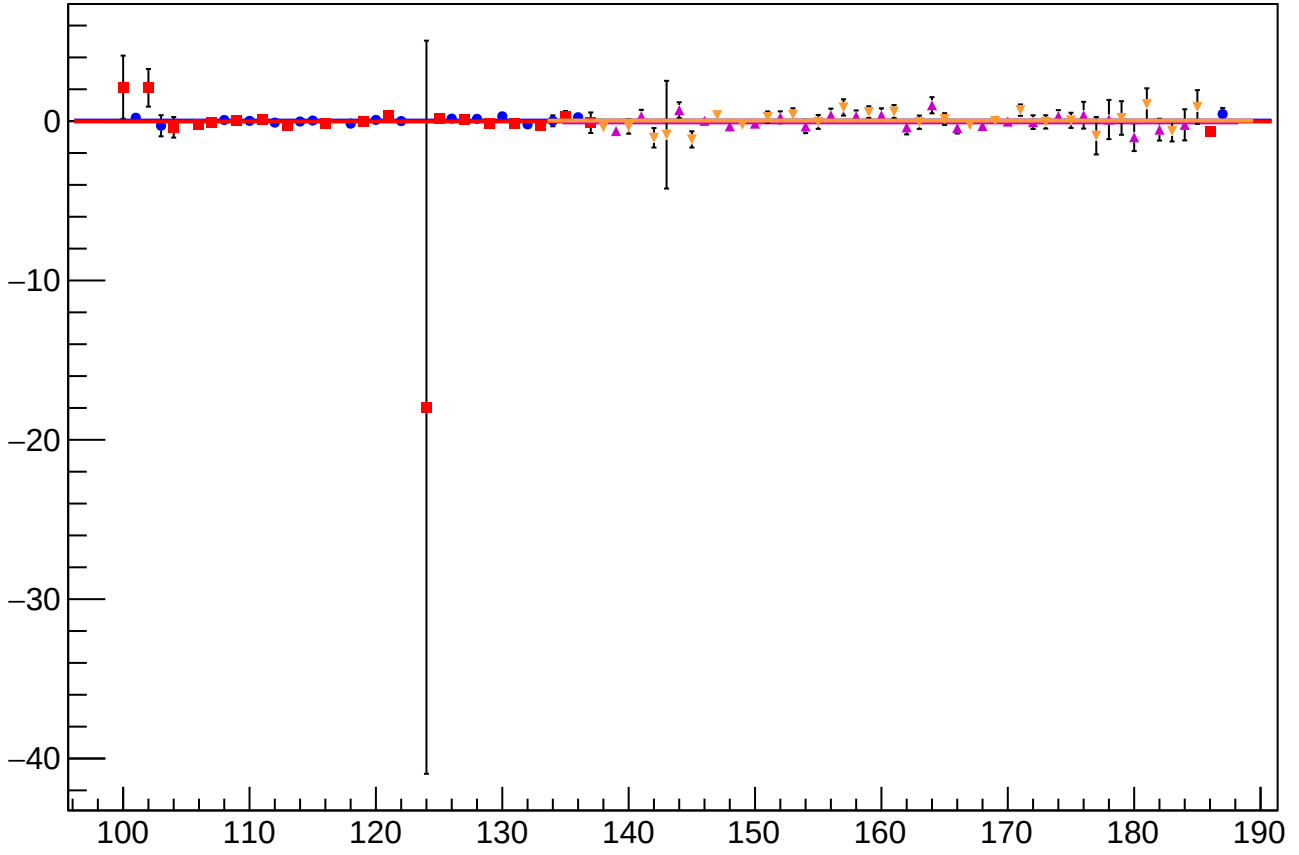
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.388+/-0.027 χ^2/NDF: 17849641.5/41

All: 154.721+/-0.019 χ^2/NDF: 35411961.5/84

- sign 150.416+/-0.026 χ^2/NDF: 17506795.1/42

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.043 χ^2/NDF: 27.9/19

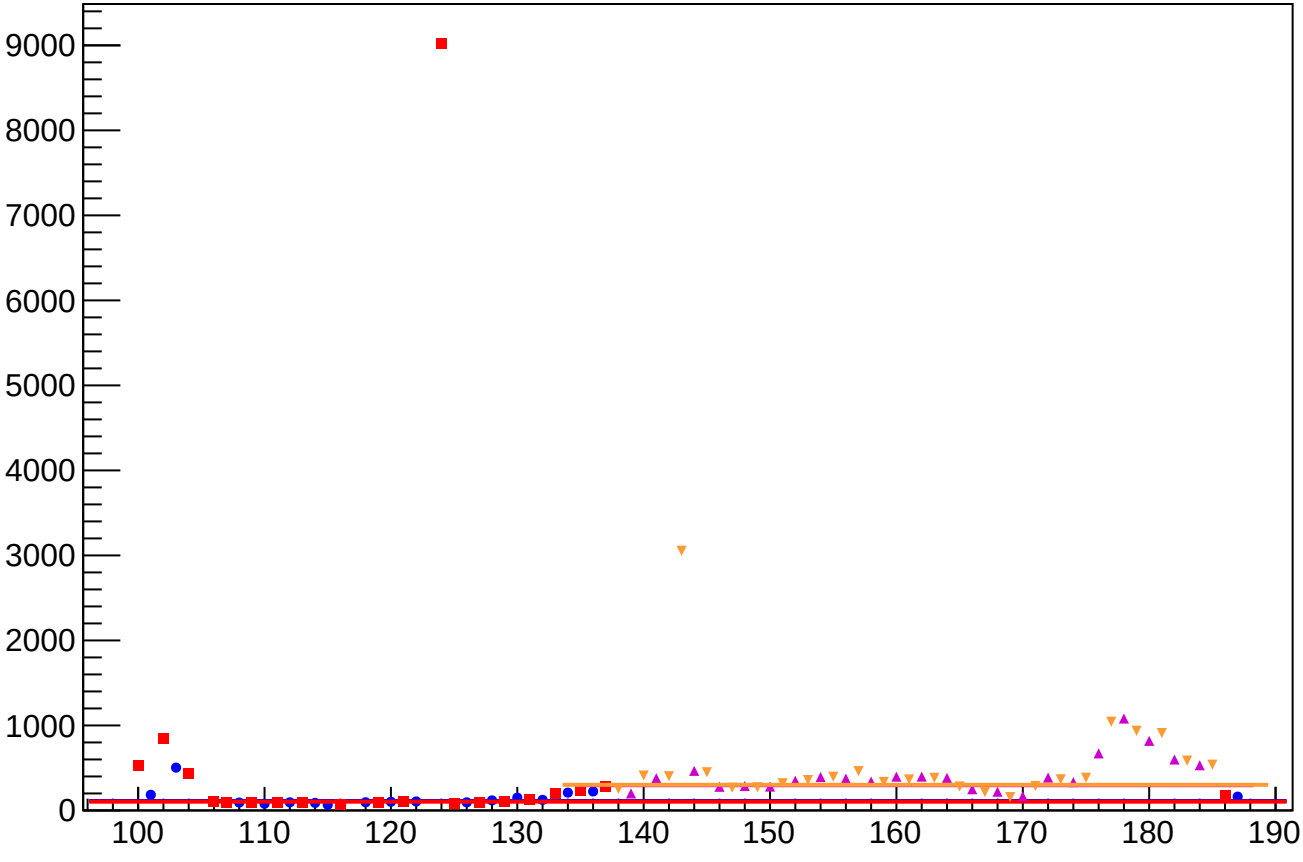
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.039 χ^2/NDF: 39.7/41

All: -0.001+/-0.027 χ^2/NDF: 93.8/84

- sign -0.033+/-0.037 χ^2/NDF: 52.5/42

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 110.719+/-0.032 χ^2/NDF: 1967977.1/16

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

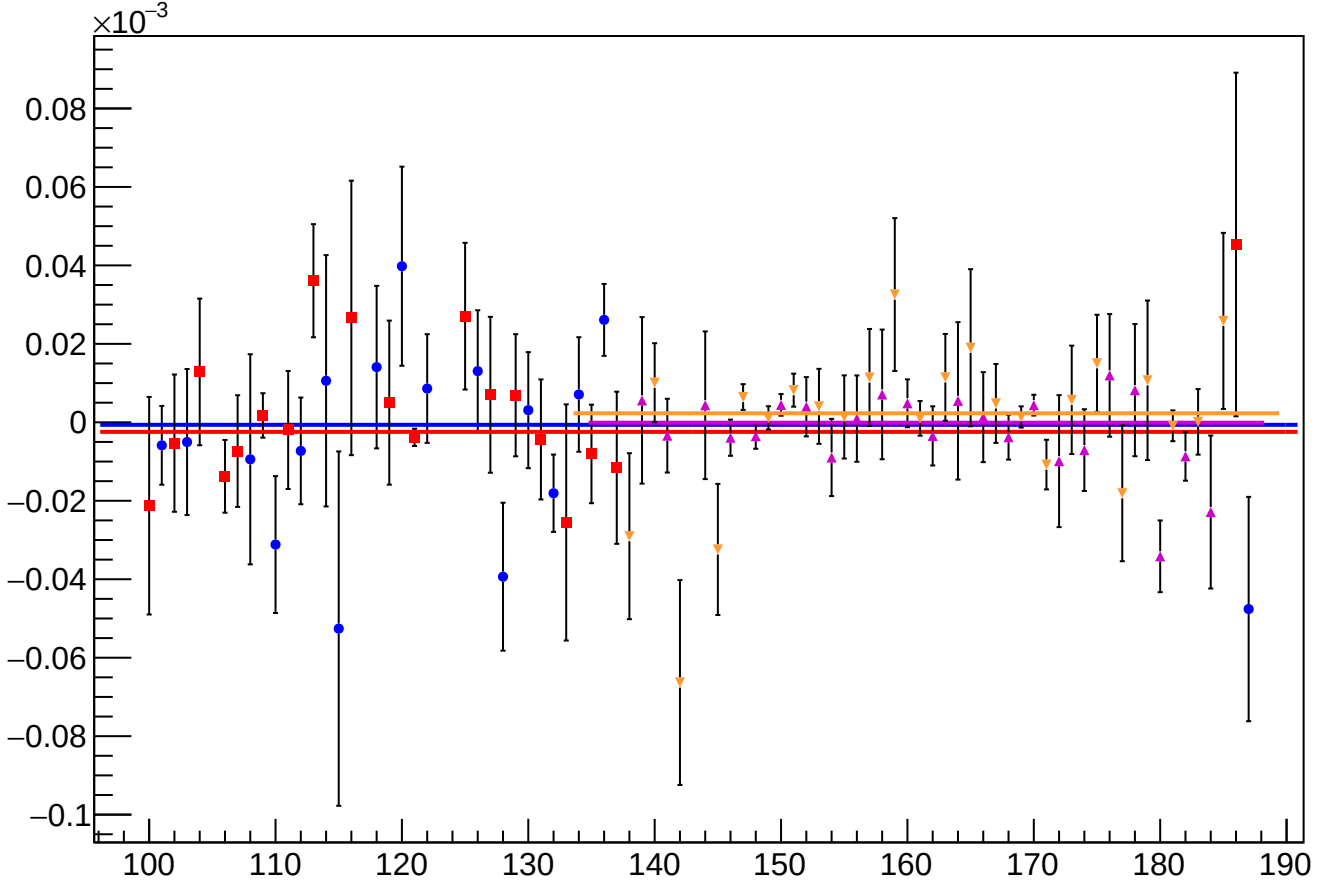
Right Out: 103.523+/-0.030 χ^2/NDF: 2715549.3/19

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 159.388+/-0.027 χ^2/NDF: 17849641.5/41

All: 154.721+/-0.019 χ^2/NDF: 35411961.5/84

- sign 150.416+/-0.026 χ^2/NDF: 17506795.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

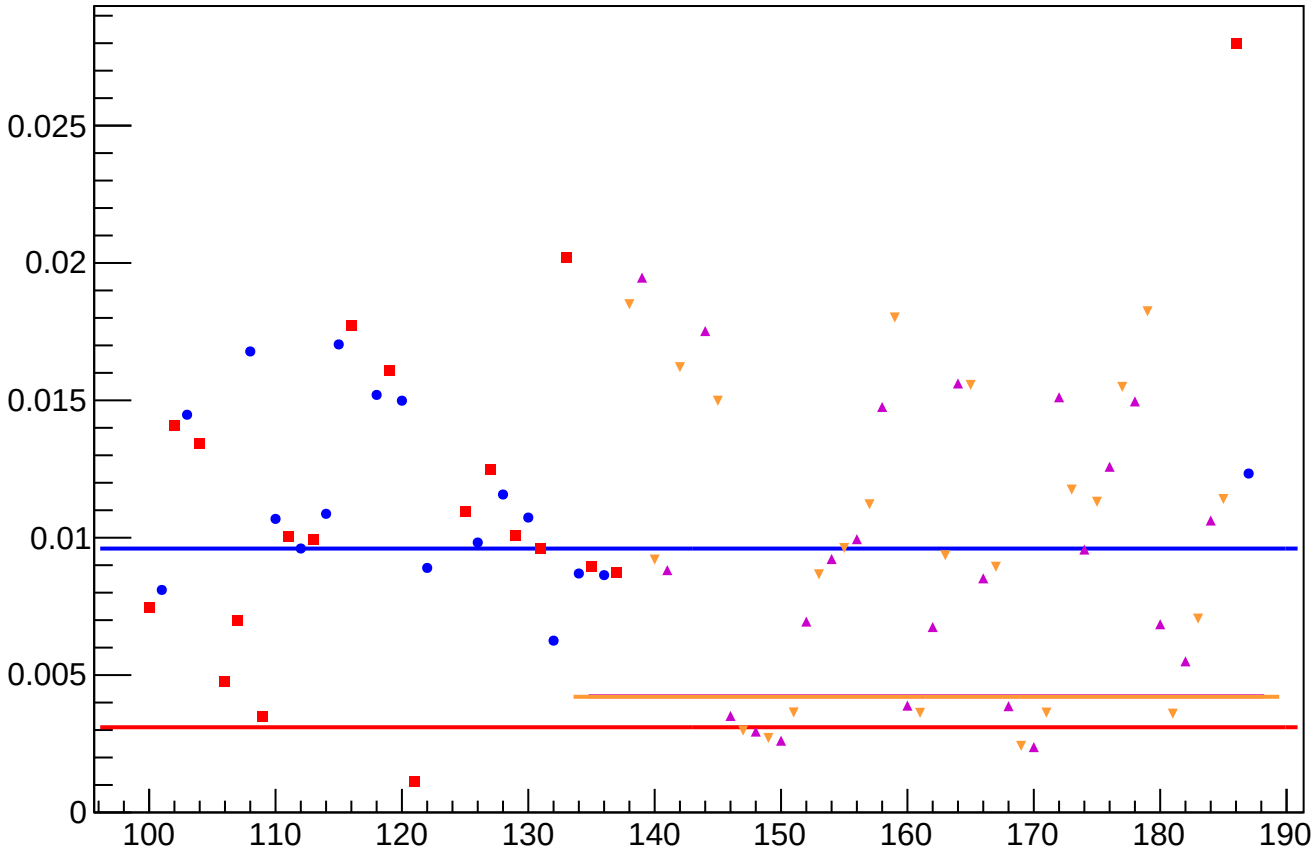
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.1/40

All: 0.000+/-0.000 χ^2/NDF: 110.5/82

- sign -0.000+/-0.000 χ^2/NDF: 47.1/41



Right In: 0.010+/-0.000 χ^2/NDF: 944570.5/16

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8768790.0/18

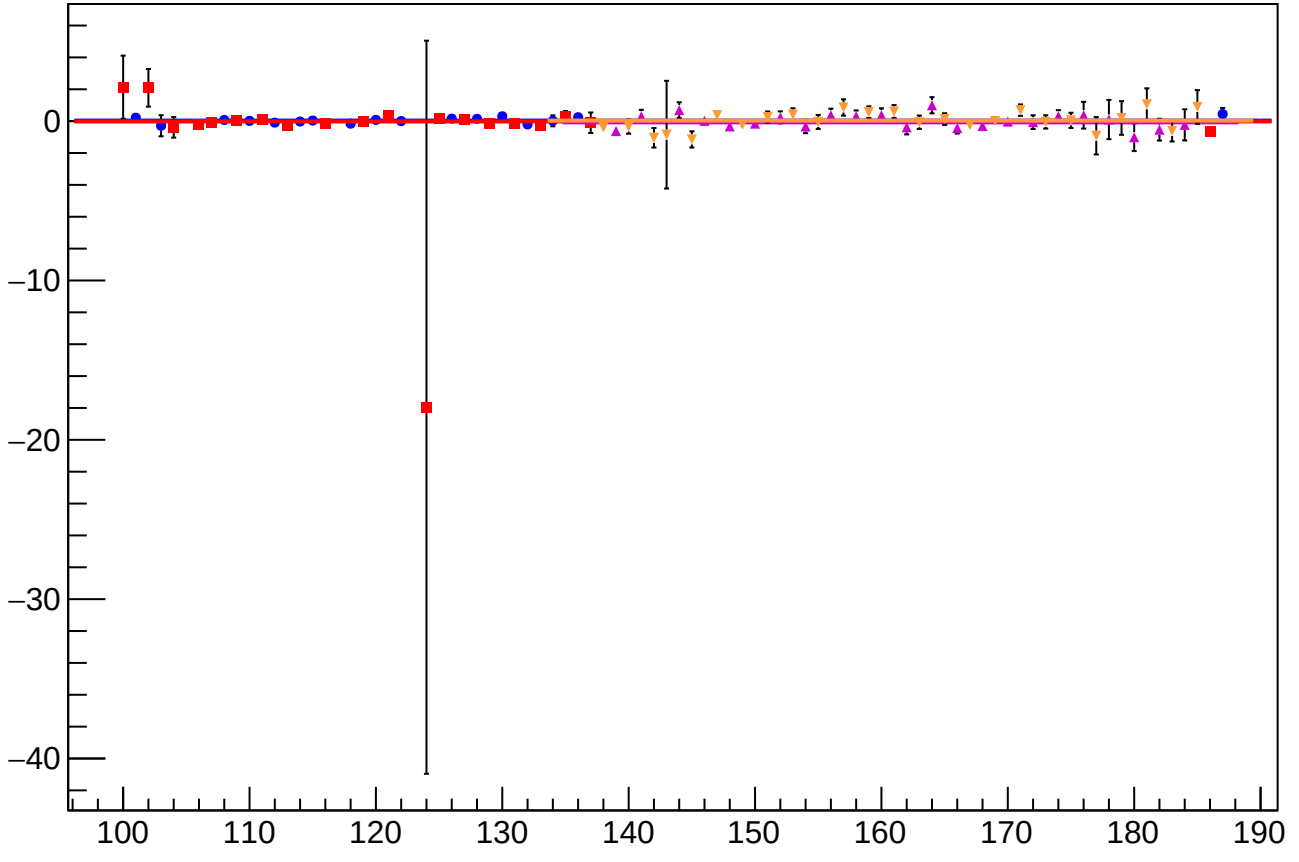
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 16842338.5/40

All: 0.004+/-0.000 χ^2/NDF: 37809924.0/82

- sign 0.004+/-0.000 χ^2/NDF: 20316473.2/41

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.043 χ^2/NDF: 27.9/19

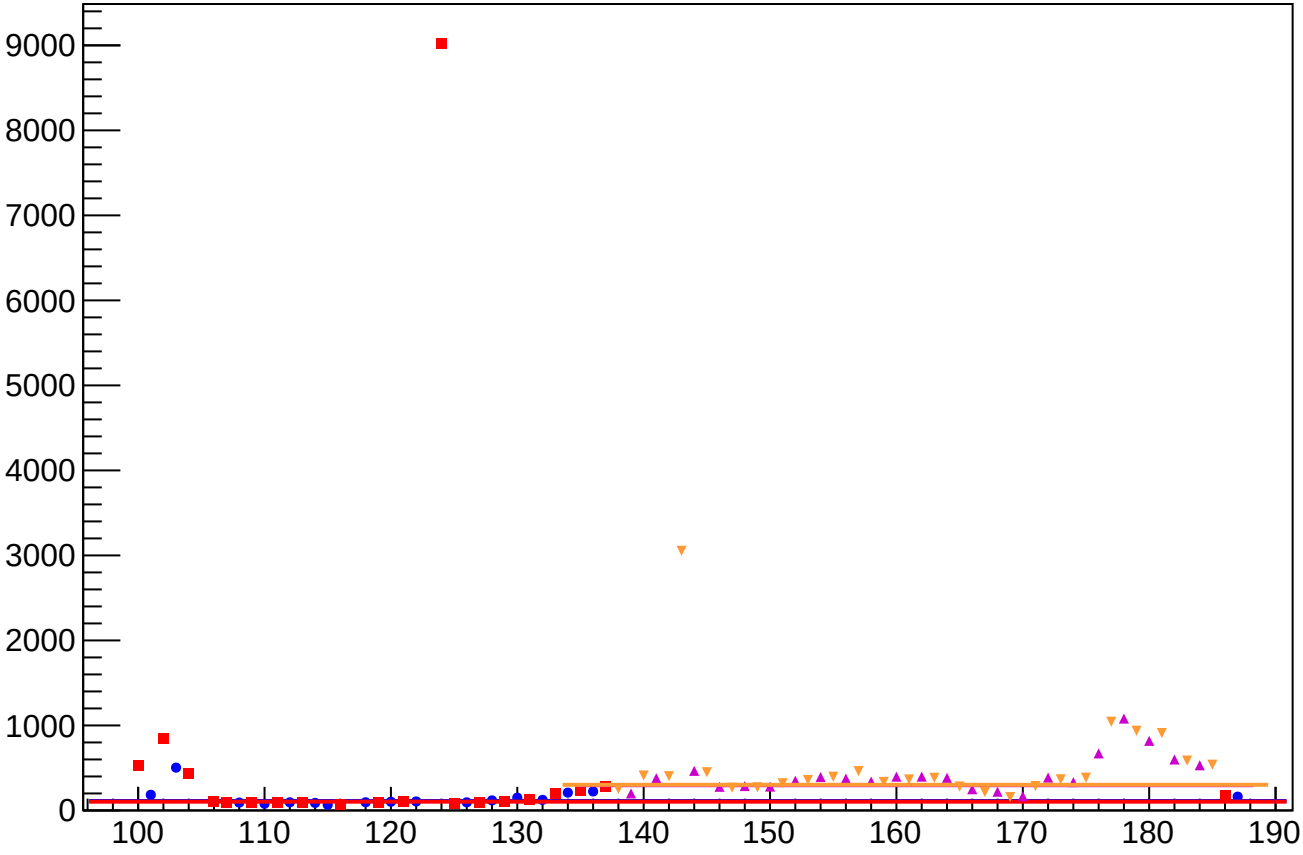
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.039 χ^2/NDF: 39.7/41

All: -0.001+/-0.027 χ^2/NDF: 93.8/84

- sign -0.033+/-0.037 χ^2/NDF: 52.5/42

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 110.720+/-0.032 χ^2/NDF: 1967912.4/16

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

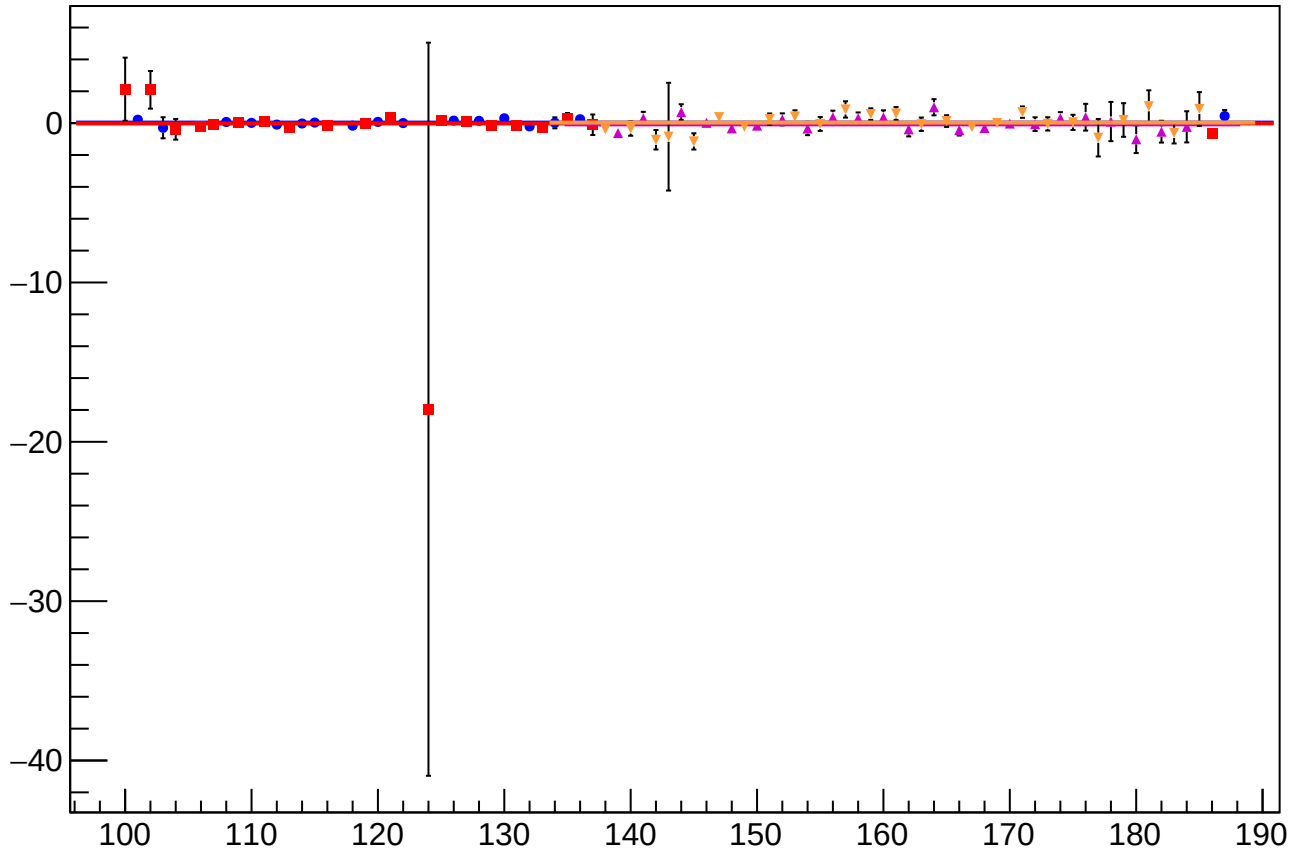
Right Out: 103.524+/-0.030 χ^2/NDF: 2715428.3/19

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.389+/-0.027 χ^2/NDF: 17849590.4/41

All: 154.723+/-0.019 χ^2/NDF: 35411763.7/84

- sign 150.418+/-0.026 χ^2/NDF: 17506652.7/42



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

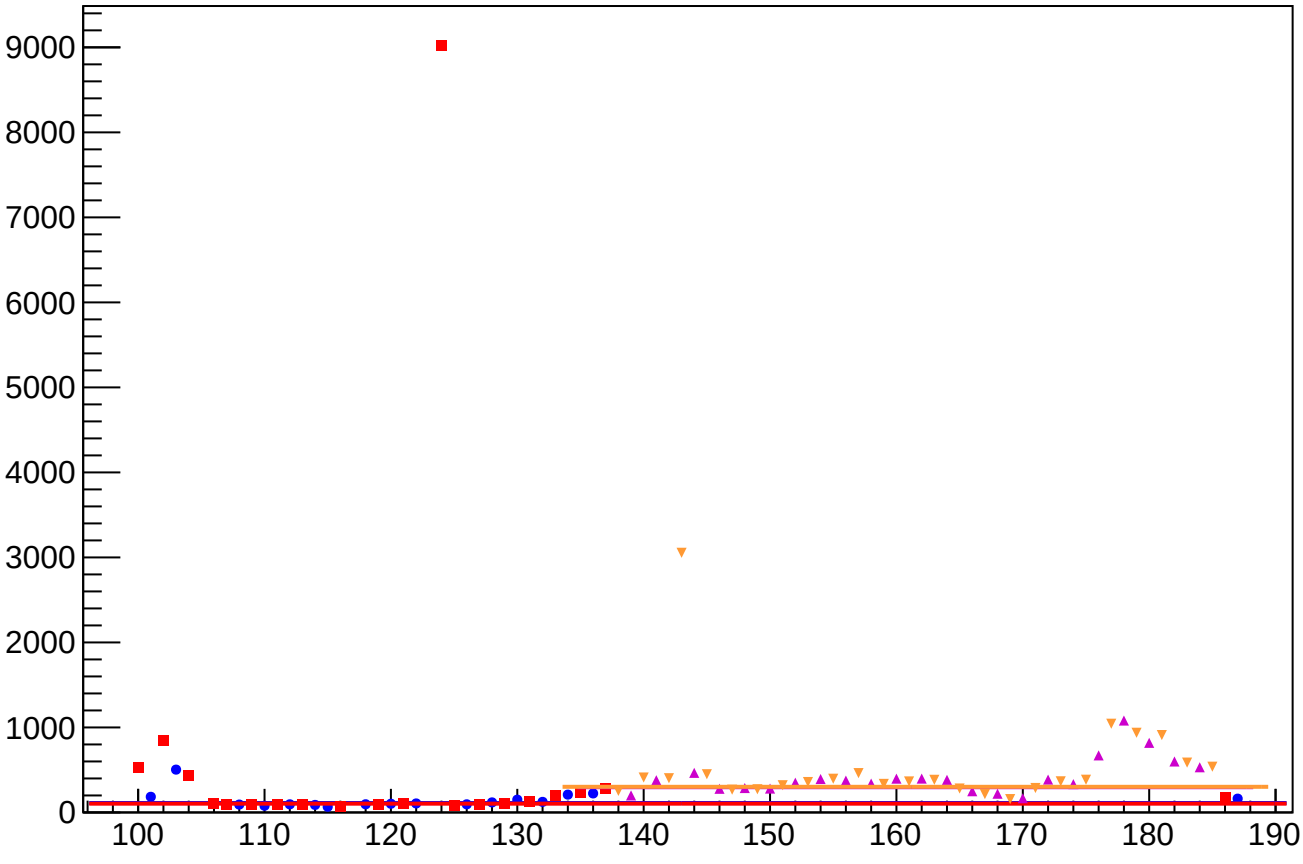
Right Out: -0.019+/-0.043 χ^2/NDF: 27.9/19

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.034+/-0.039 χ^2/NDF: 39.7/41

All: -0.001+/-0.027 χ^2/NDF: 93.8/84

- sign -0.033+/-0.037 χ^2/NDF: 52.5/42



Right In: 110.720+/-0.032 χ^2/NDF: 1967912.4/16

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

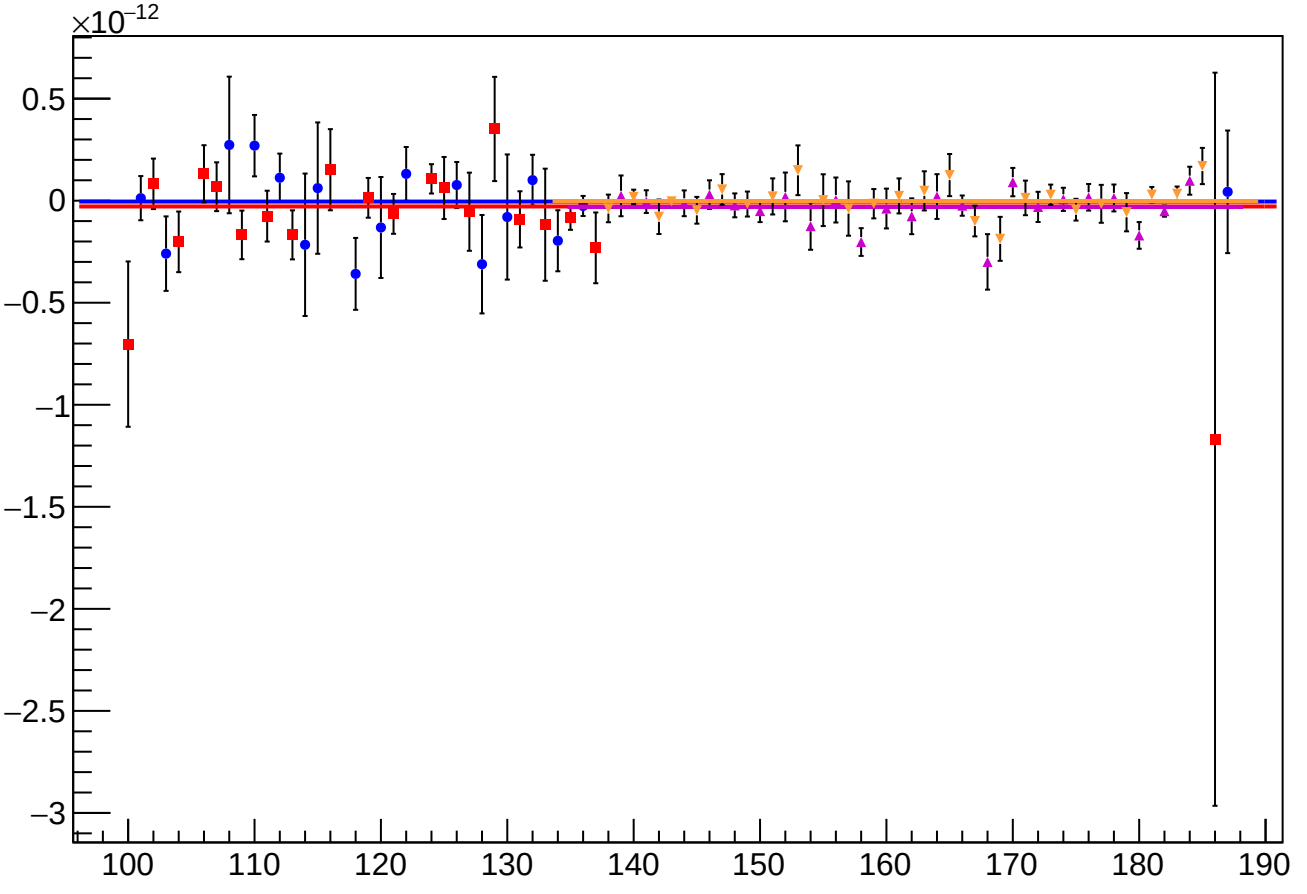
Right Out: 103.524+/-0.030 χ^2/NDF: 2715428.3/19

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 159.389+/-0.027 χ^2/NDF: 17849590.4/41

All: 154.723+/-0.019 χ^2/NDF: 35411763.7/84

- sign 150.418+/-0.026 χ^2/NDF: 17506652.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

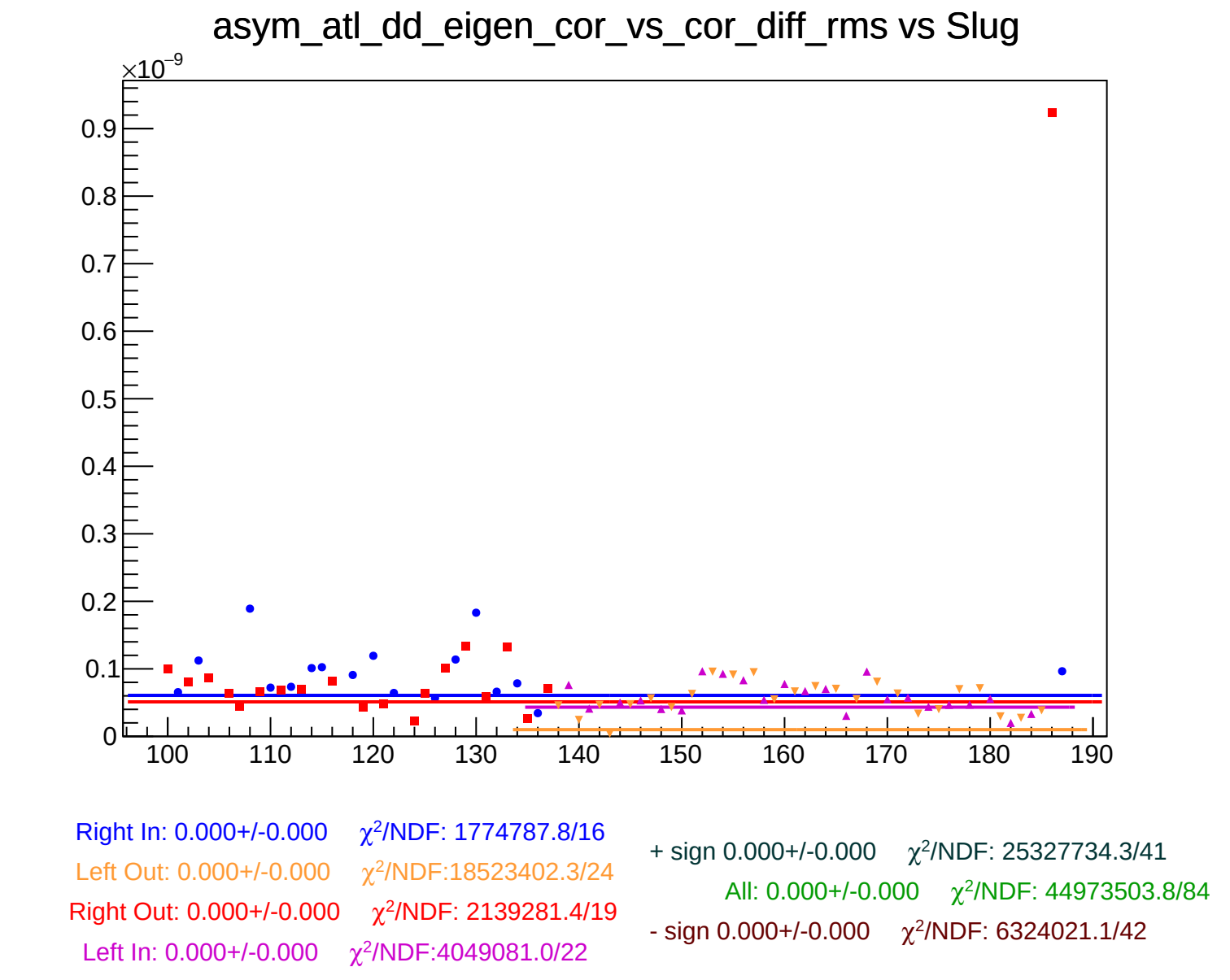
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/19

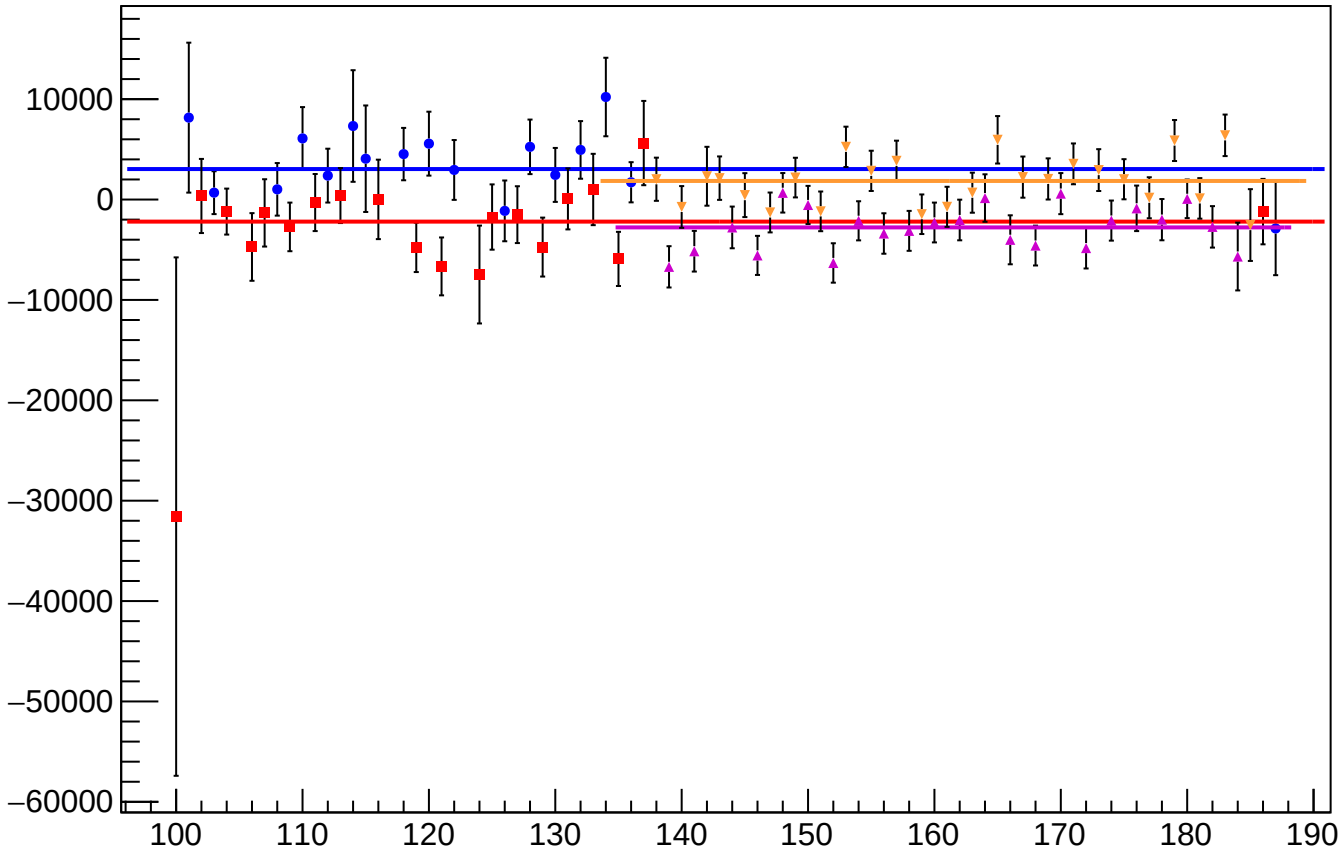
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.2/41

All: -0.000+/-0.000 χ^2/NDF: 86.6/84

- sign -0.000+/-0.000 χ^2/NDF: 46.4/42


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1774787.8/16
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 2139281.4/19
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 25327734.3/41
All: 0.000+/-0.000 χ²/NDF: 44973503.8/84
- sign 0.000+/-0.000 χ²/NDF: 6324021.1/42



Right In: 3037.626+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2198.676+/-694.578 χ^2/NDF: 16.6/19

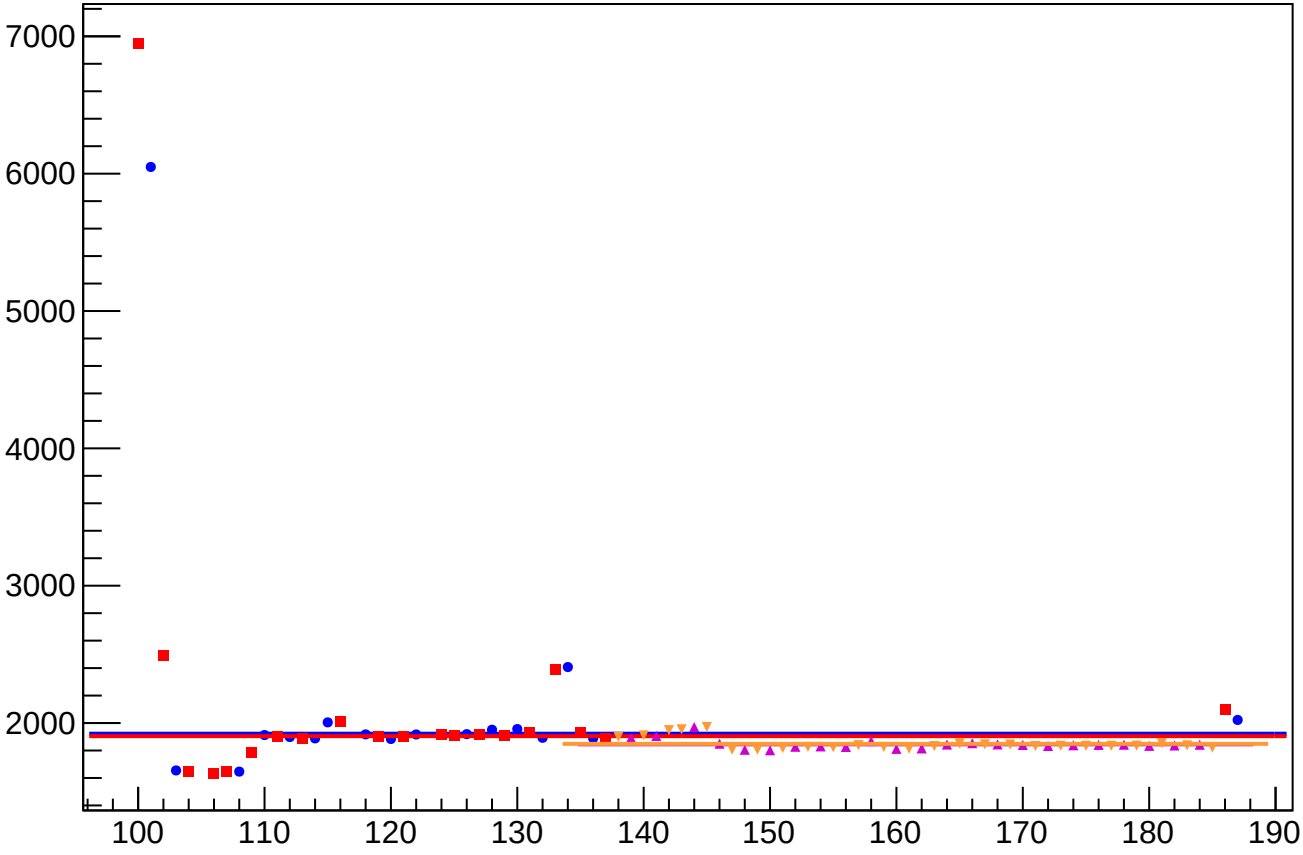
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2151.606+/-363.081 χ^2/NDF: 46.9/41

All: -211.885+/-257.813 χ^2/NDF: 174.9/84

- sign -2615.406+/-366.143 χ^2/NDF: 42.5/42

reg_asym_atr_avg_rms vs Slug



Right In: 1922.302+/-0.511 χ^2/NDF: 698283.0/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

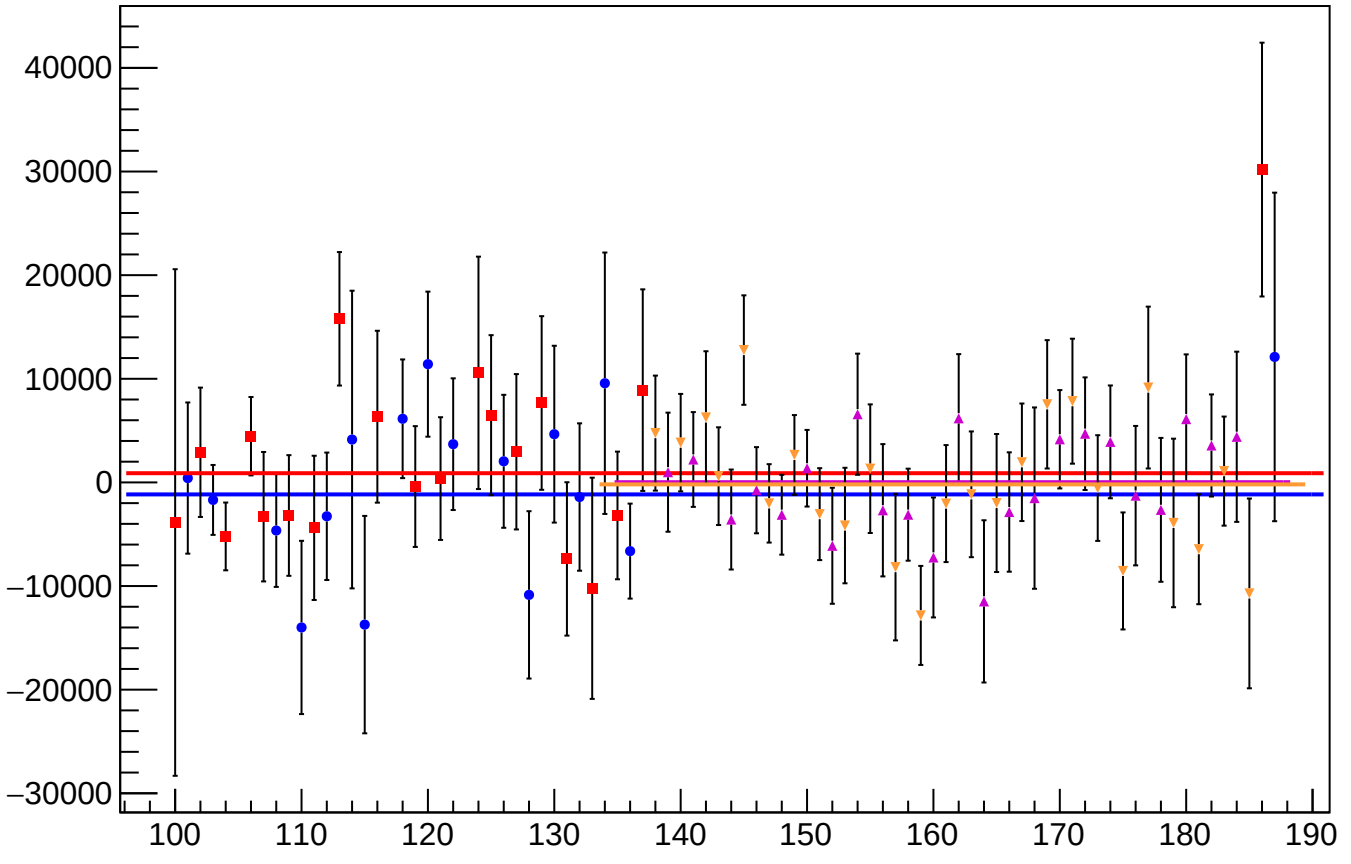
Right Out: 1904.436+/-0.490 χ^2/NDF: 229546.9/19

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1867.166+/-0.257 χ^2/NDF: 734765.2/41

All: 1864.423+/-0.182 χ^2/NDF: 989172.6/84

- sign 1861.639+/-0.259 χ^2/NDF: 254177.4/42



Right In: -1157.800+/-1577.563 χ^2/NDF: 15.0/16

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 888.934+/-1427.663 χ^2/NDF: 23.1/19

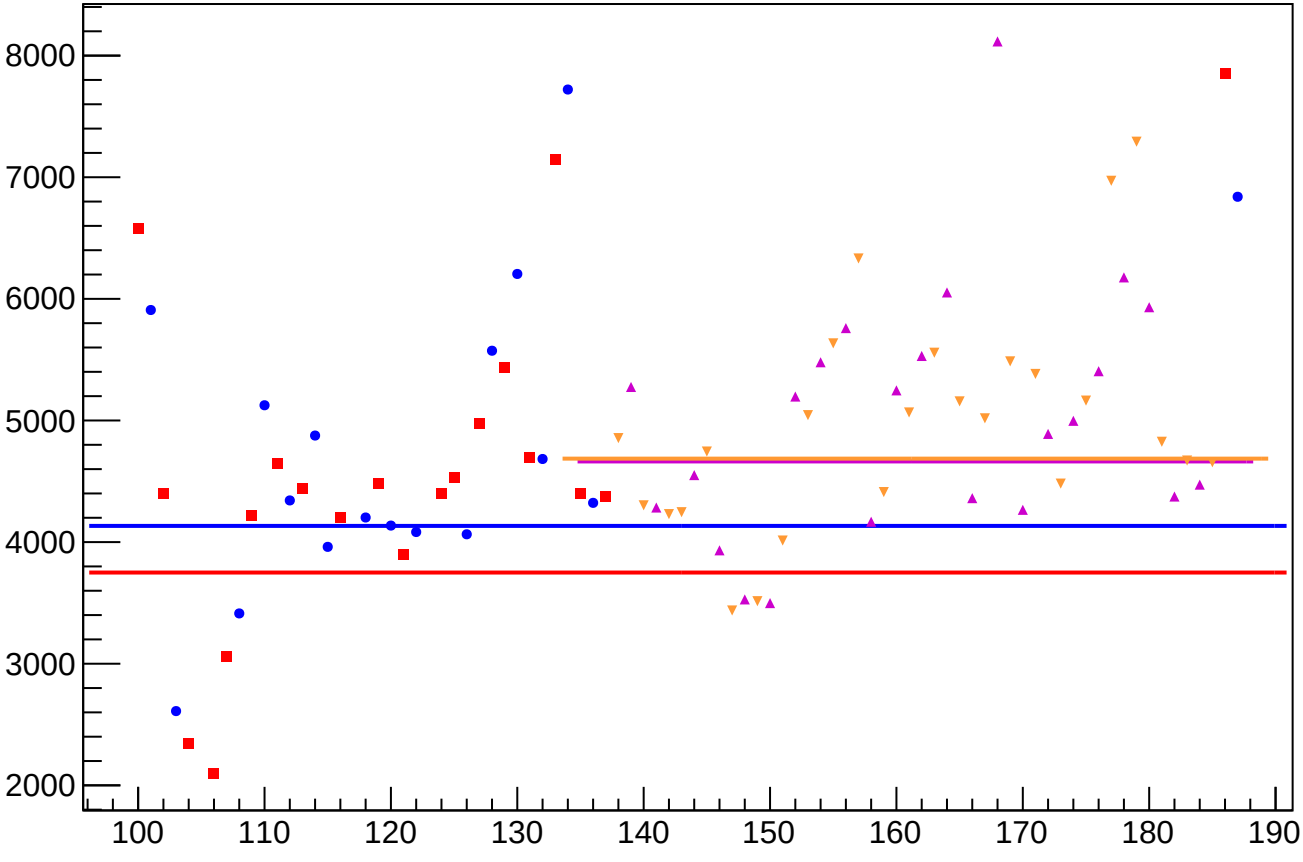
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -501.825+/-895.994 χ^2/NDF: 44.1/41

All: -68.115+/-626.946 χ^2/NDF: 81.6/84

- sign 347.939+/-877.566 χ^2/NDF: 37.0/42

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4133.209+/-1.116 χ^2/NDF: 1014997.8/16

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 3749.755+/-1.010 χ^2/NDF: 1583884.4/19

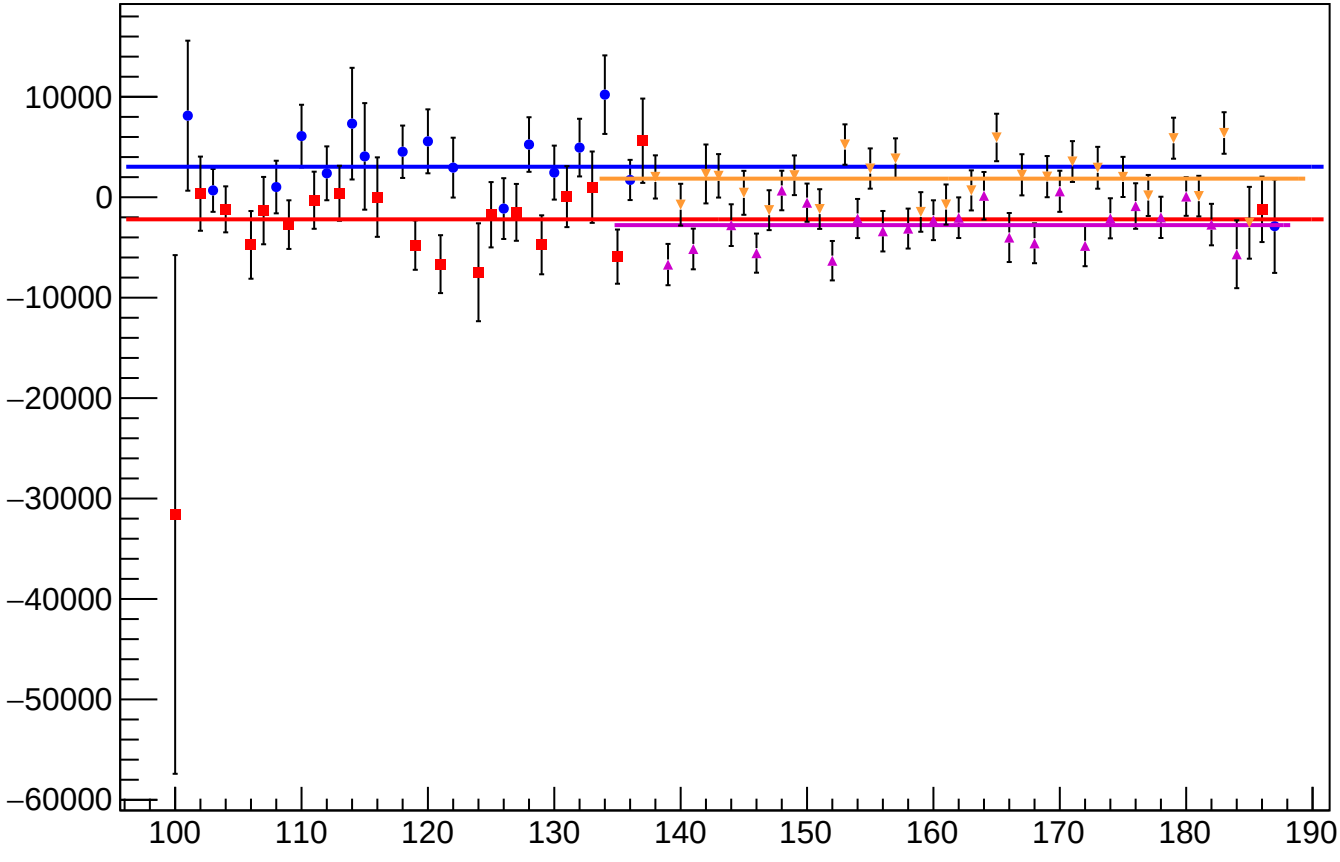
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4507.920+/-0.634 χ^2/NDF: 2366629.5/41

All: 4411.042+/-0.443 χ^2/NDF: 5792516.1/84

- sign 4318.108+/-0.621 χ^2/NDF: 3380075.6/42

cor_asym_atr_avg_mean vs Slug



Right In: 3036.934+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2199.763+/-694.582 χ^2/NDF: 16.6/19

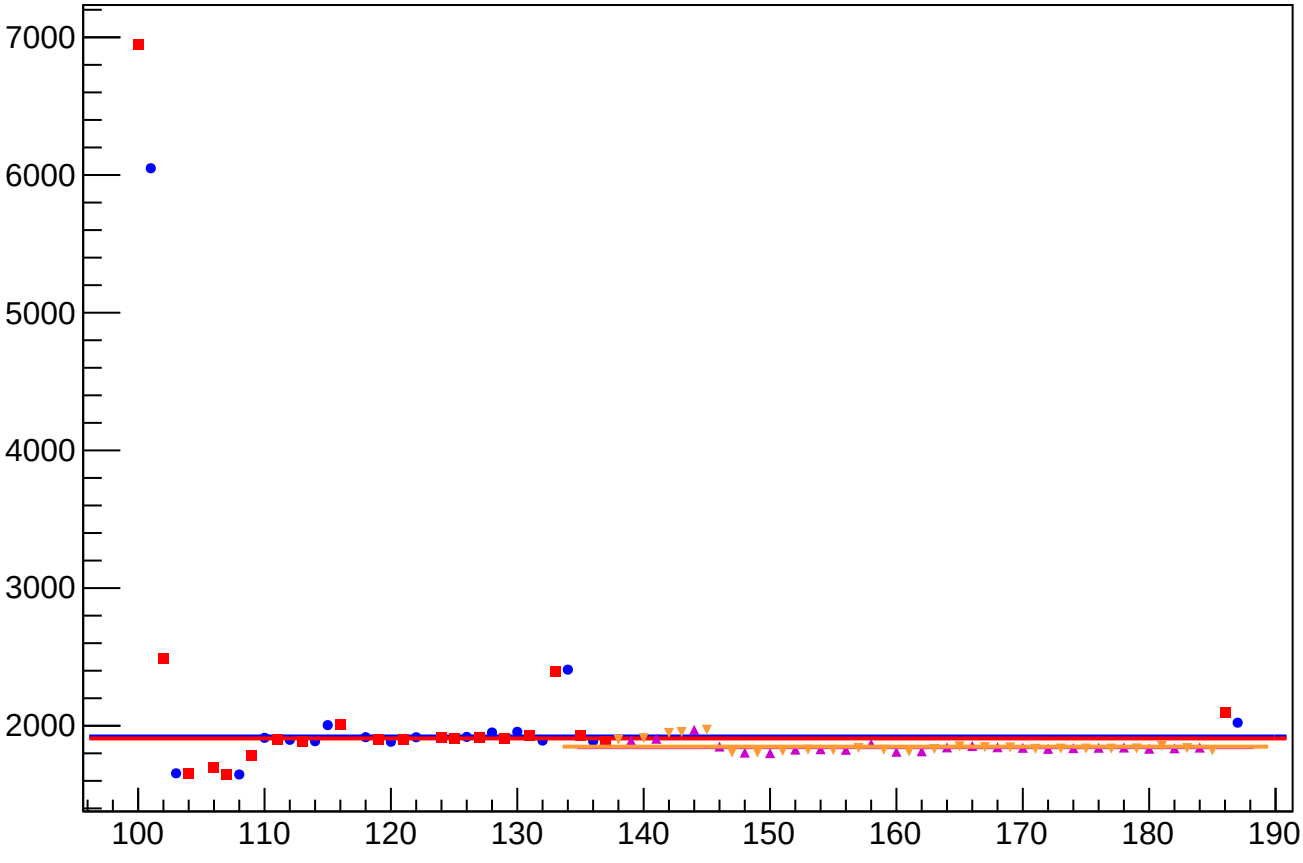
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2151.348+/-363.081 χ^2/NDF: 46.9/41

All: -212.154+/-257.813 χ^2/NDF: 174.9/84

- sign -2615.692+/-366.143 χ^2/NDF: 42.6/42

cor_asym_atr_avg_rms vs Slug



Right In: 1922.302+/-0.511 χ^2/NDF: 698282.1/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1908.291+/-0.490 χ^2/NDF: 222639.3/19

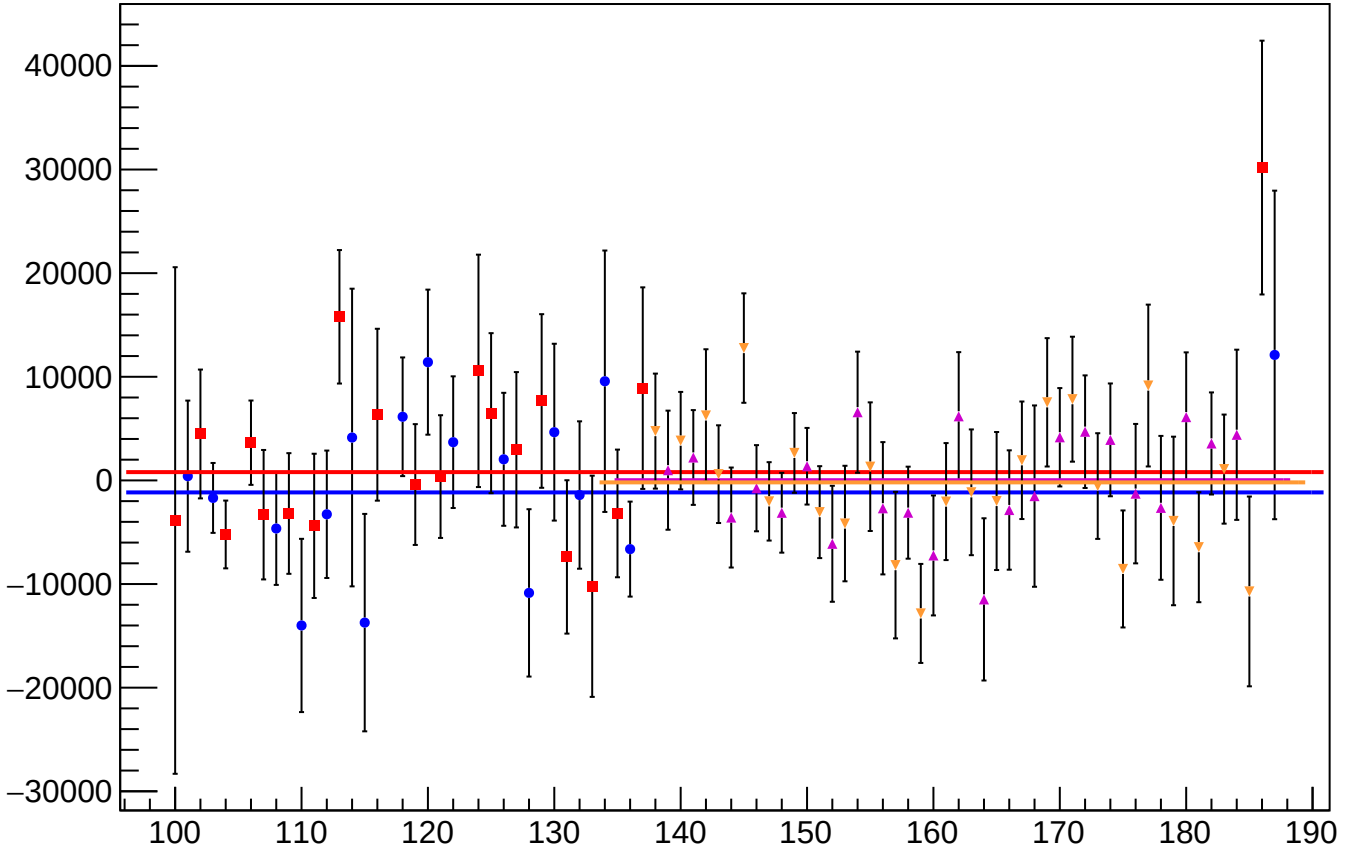
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1867.166+/-0.257 χ^2/NDF: 734764.5/41

All: 1864.936+/-0.182 χ^2/NDF: 983576.5/84

- sign 1862.669+/-0.259 χ^2/NDF: 248659.8/42

asym_atr_avg_cor_correction_mean vs Slug



Right In: -1158.164+/-1577.565 χ^2/NDF: 15.0/16

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 800.528+/-1441.440 χ^2/NDF: 22.8/19

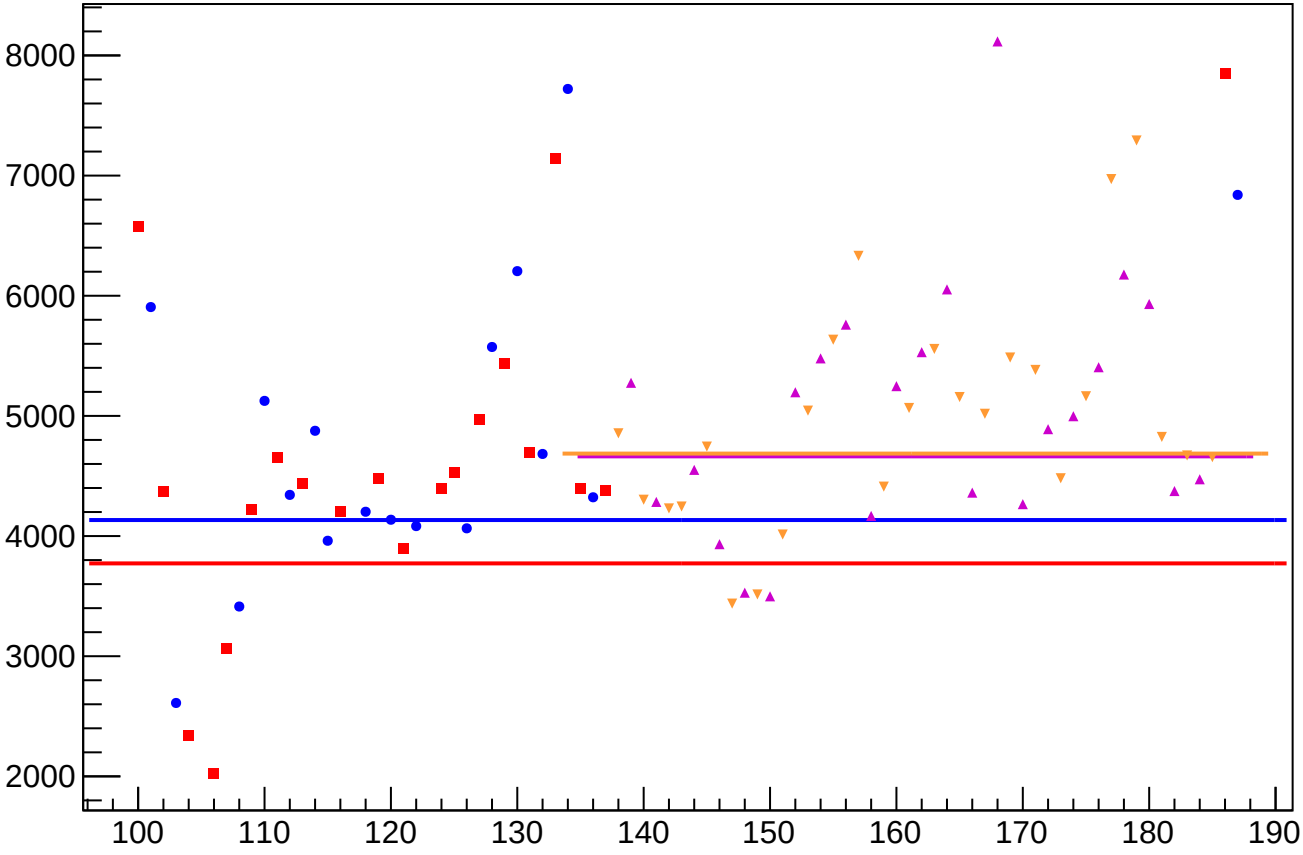
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -501.961+/-895.993 χ^2/NDF: 44.1/41

All: -88.479+/-628.100 χ^2/NDF: 81.3/84

- sign 311.043+/-880.737 χ^2/NDF: 36.8/42

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4133.301+/-1.116 χ^2/NDF: 1014495.9/16

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

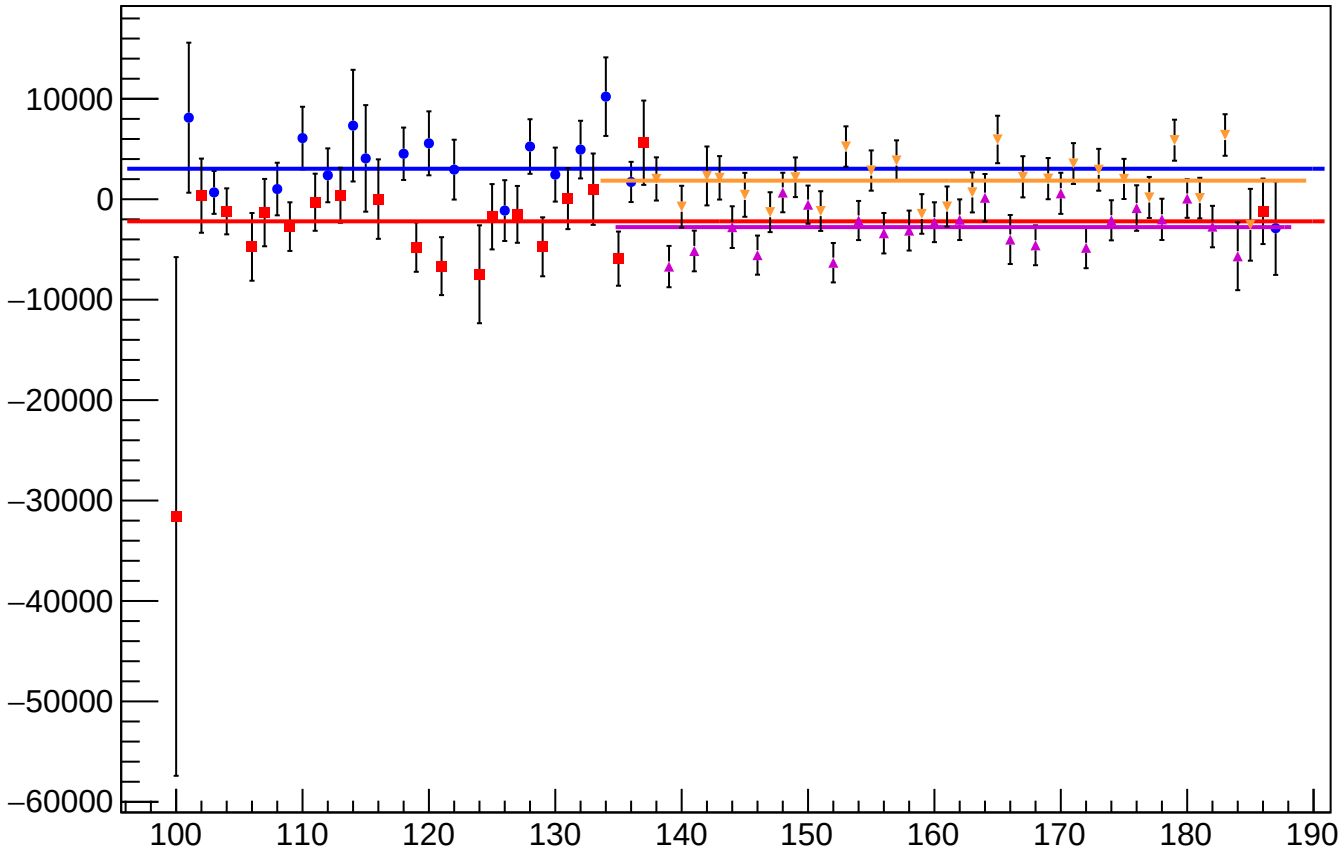
Right Out: 3772.482+/-1.019 χ^2/NDF: 1559888.7/19

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4507.946+/-0.634 χ^2/NDF: 2366092.9/41

All: 4417.806+/-0.444 χ^2/NDF: 5731161.6/84

- sign 4330.709+/-0.623 χ^2/NDF: 3325267.8/42



Right In: 3036.934+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2199.763+/-694.582 χ^2/NDF: 16.6/19

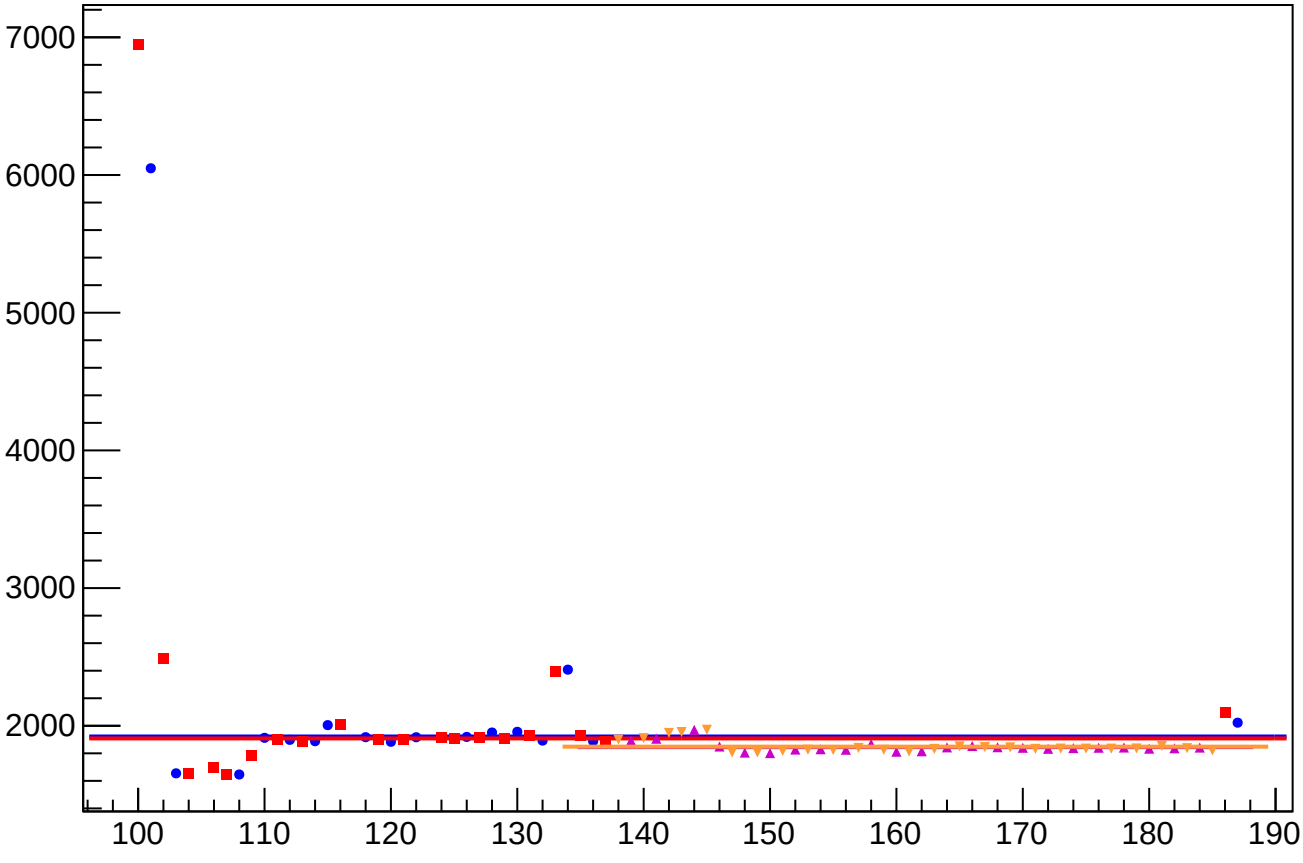
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2151.348+/-363.081 χ^2/NDF: 46.9/41

All: -212.154+/-257.813 χ^2/NDF: 174.9/84

- sign -2615.692+/-366.143 χ^2/NDF: 42.6/42

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1922.302+/-0.511 χ^2/NDF: 698282.1/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

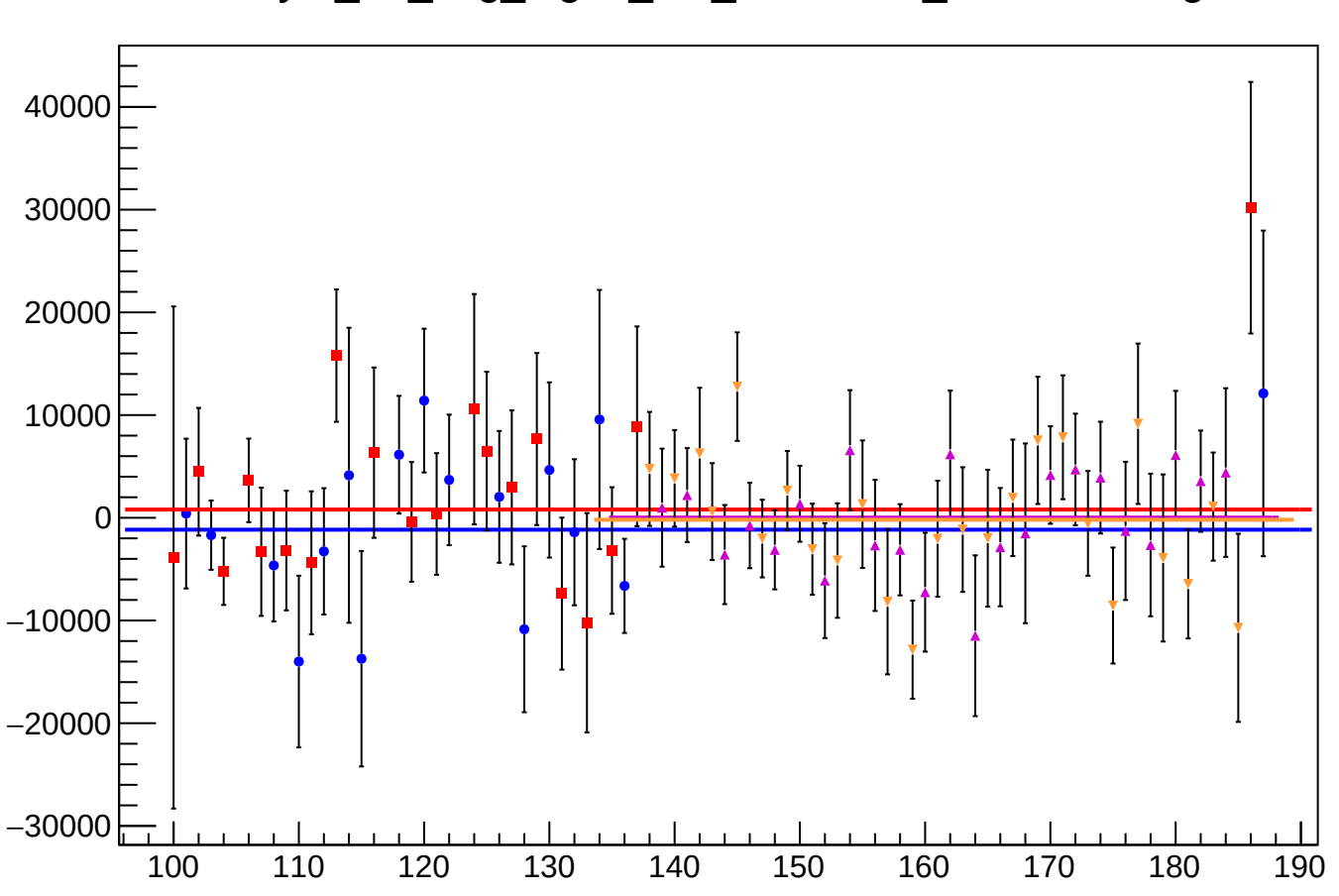
Right Out: 1908.291+/-0.490 χ^2/NDF: 222639.3/19

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1867.166+/-0.257 χ^2/NDF: 734764.5/41

All: 1864.936+/-0.182 χ^2/NDF: 983576.5/84

- sign 1862.669+/-0.259 χ^2/NDF: 248659.8/42



Right In: -1158.164+/-1577.565 χ^2/NDF: 15.0/16

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

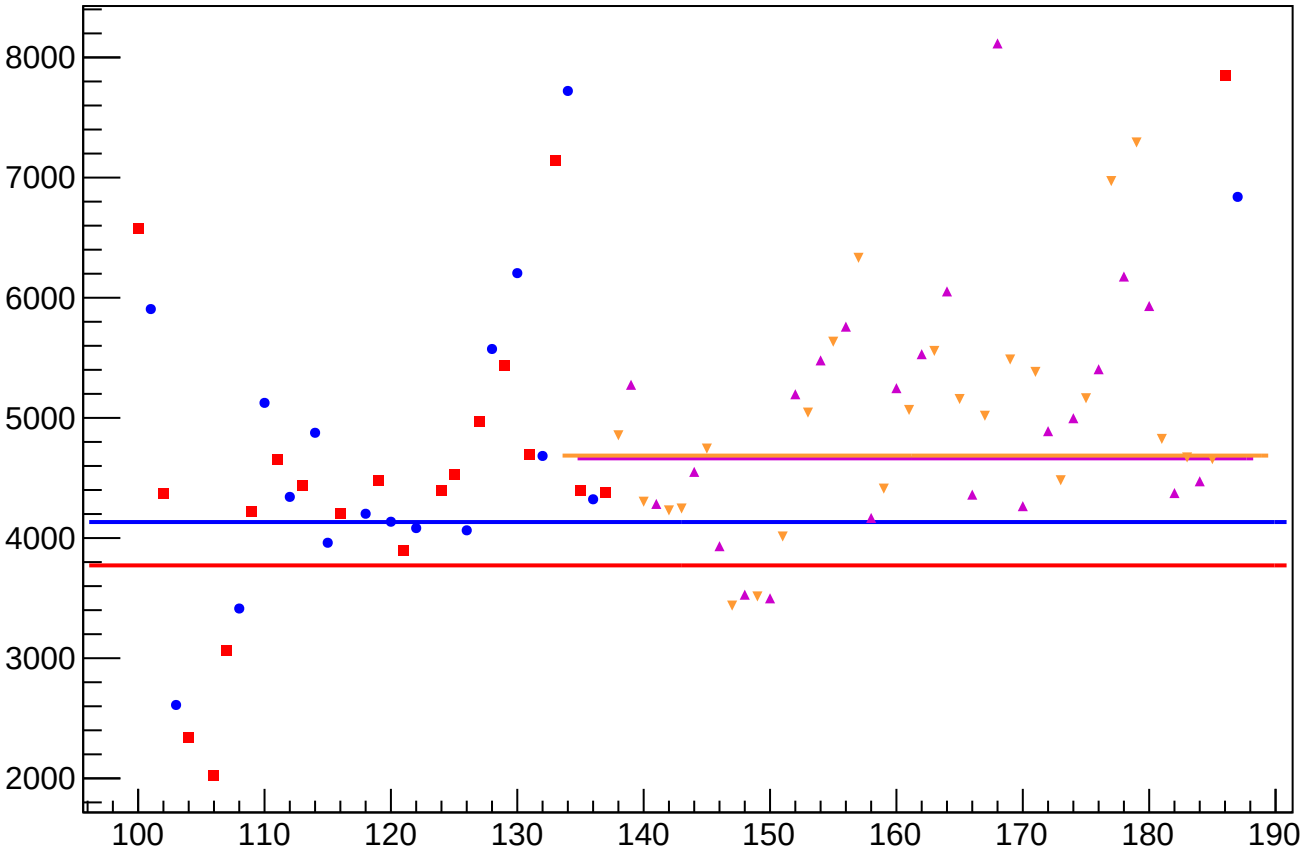
Right Out: 800.528+/-1441.440 χ^2/NDF: 22.8/19

Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -501.961+/-895.993 χ^2/NDF: 44.1/41

All: -88.479+/-628.100 χ^2/NDF: 81.3/84

- sign 311.043+/-880.737 χ^2/NDF: 36.8/42



Right In: 4133.301+/-1.116 χ^2/NDF: 1014495.9/16

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

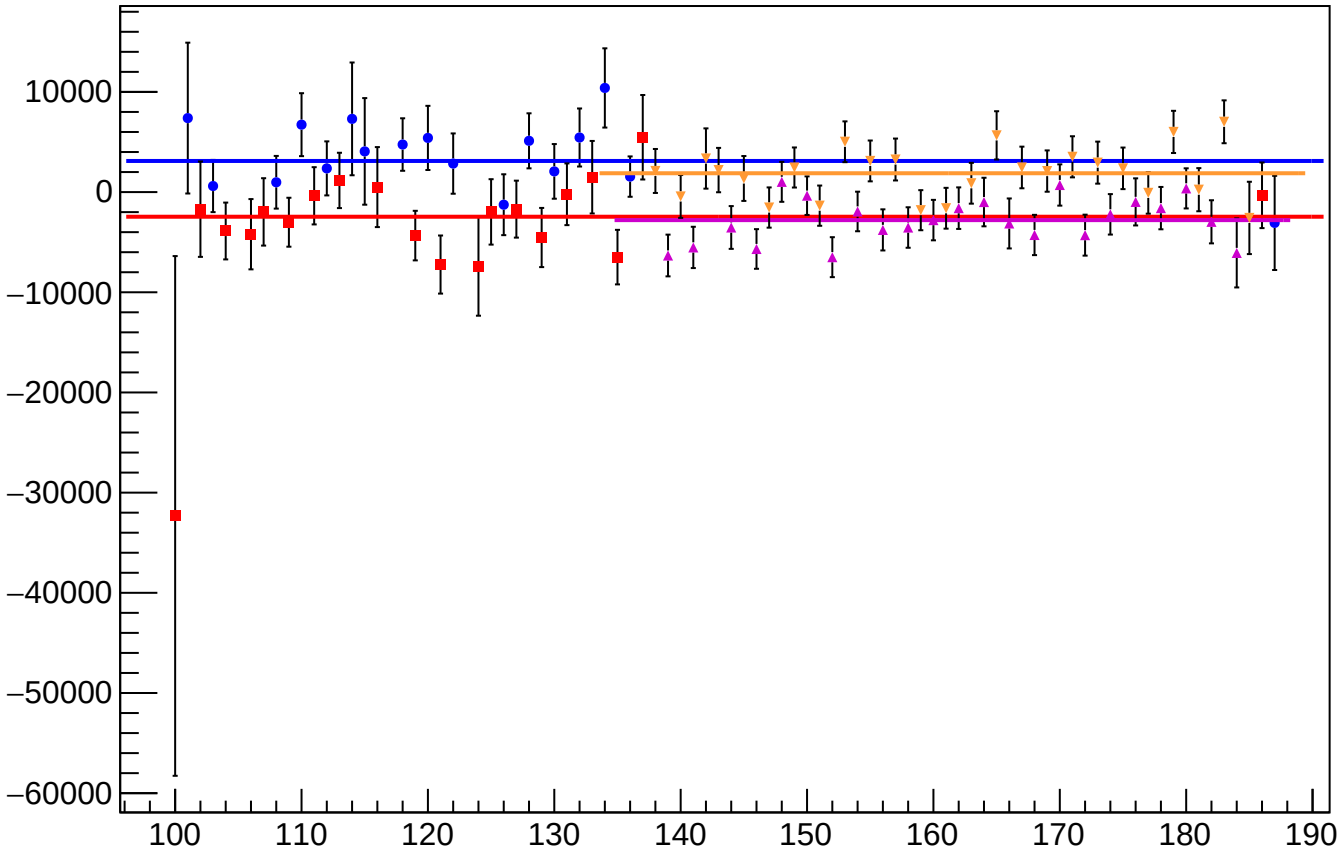
Right Out: 3772.482+/-1.019 χ^2/NDF: 1559888.7/19

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4507.946+/-0.634 χ^2/NDF: 2366092.9/41

All: 4417.806+/-0.444 χ^2/NDF: 5731161.6/84

- sign 4330.709+/-0.623 χ^2/NDF: 3325267.8/42



Right In: 3106.926+/-741.468 χ^2/NDF: 13.9/16

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2458.991+/-717.032 χ^2/NDF: 17.5/19

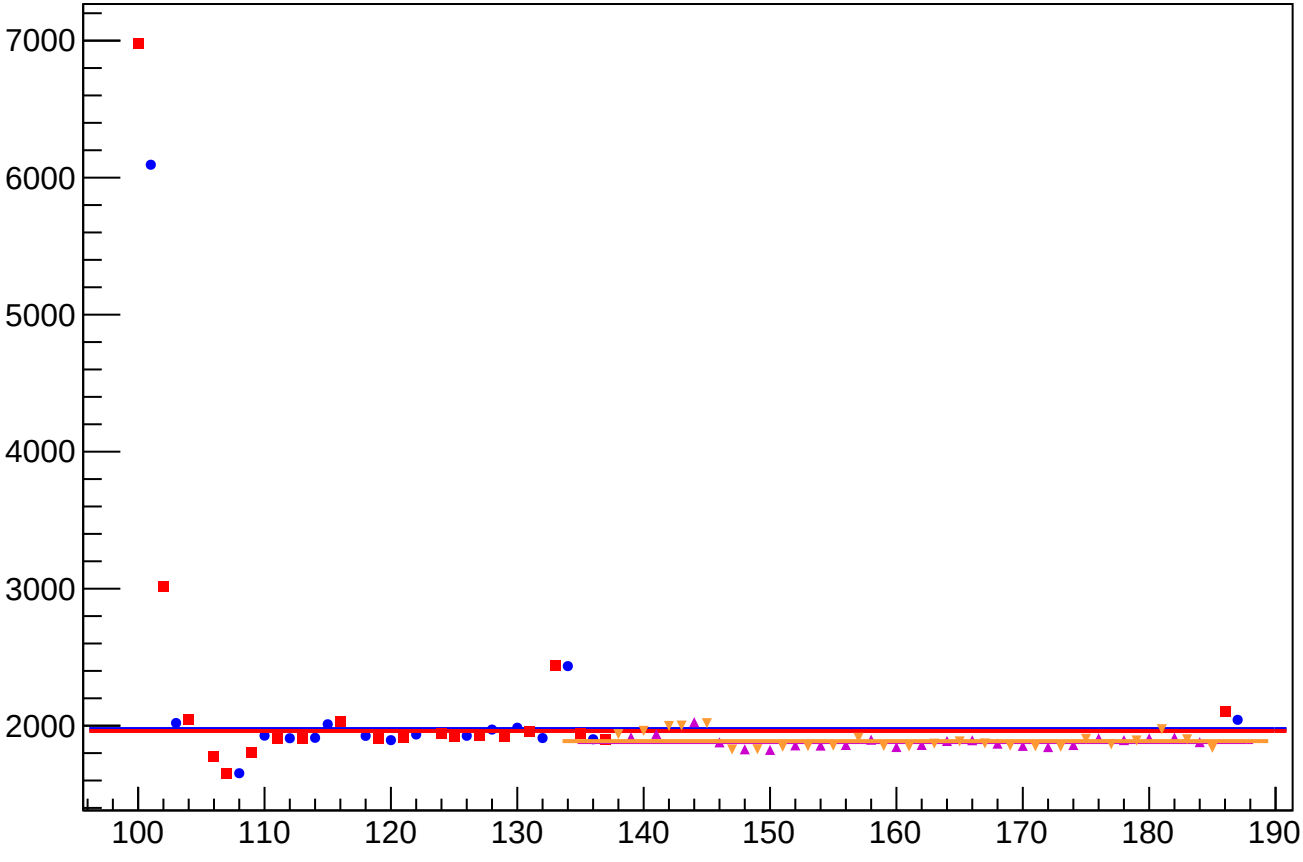
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2188.386+/-371.314 χ^2/NDF: 48.9/41

All: -237.502+/-263.694 χ^2/NDF: 178.1/84

- sign -2705.815+/-374.547 χ^2/NDF: 43.1/42

dit_asym_atr_avg_rms vs Slug



Right In: 1975.468+/-0.524 χ^2/NDF: 665546.2/16

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1961.599+/-0.507 χ^2/NDF: 250294.7/19

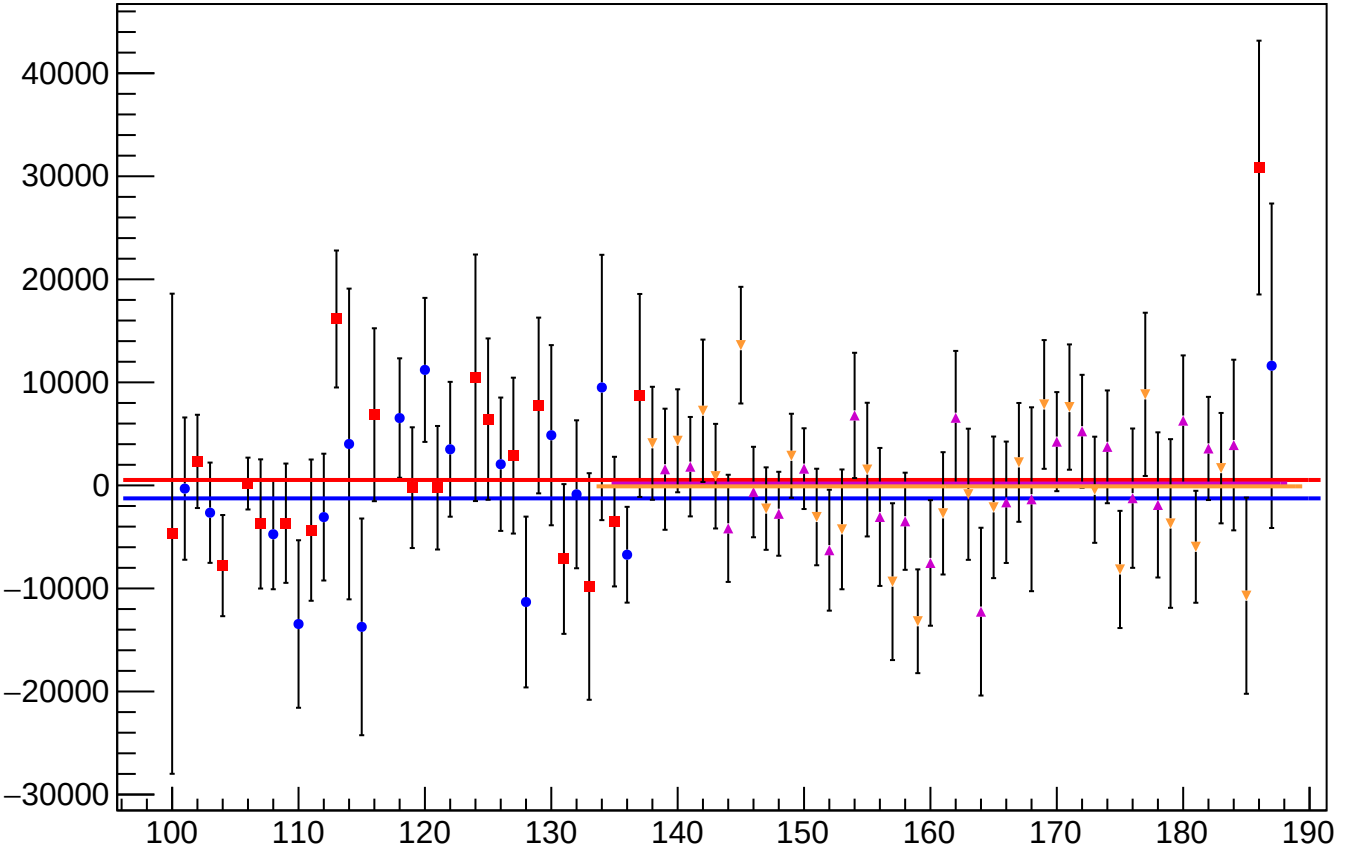
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1909.595+/-0.263 χ^2/NDF: 718571.7/41

All: 1906.181+/-0.186 χ^2/NDF: 1006837.1/84

- sign 1902.710+/-0.265 χ^2/NDF: 287924.5/42

asym_atr_avg_dit_correction_mean vs Slug



Right In: -1259.105+/-1680.337 χ^2/NDF: 14.9/16

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 526.966+/-1355.359 χ^2/NDF: 21.9/19

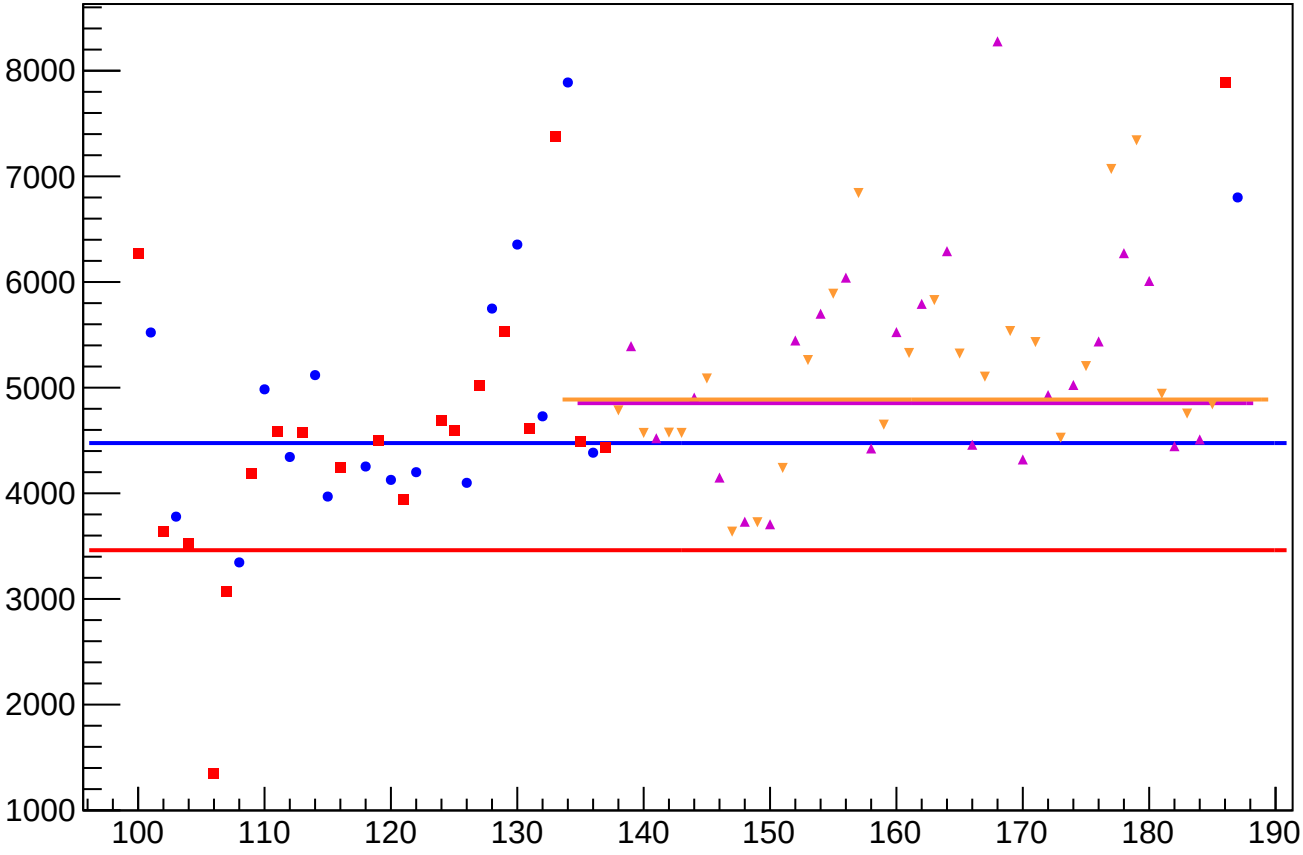
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -456.799+/-939.537 χ^2/NDF: 43.3/41

All: -40.439+/-642.101 χ^2/NDF: 79.2/84

- sign 324.464+/-879.564 χ^2/NDF: 35.5/42

asym_atr_avg_dit_correction_rms vs Slug



Right In: 4475.495+/-1.188 χ^2/NDF: 538722.7/16

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

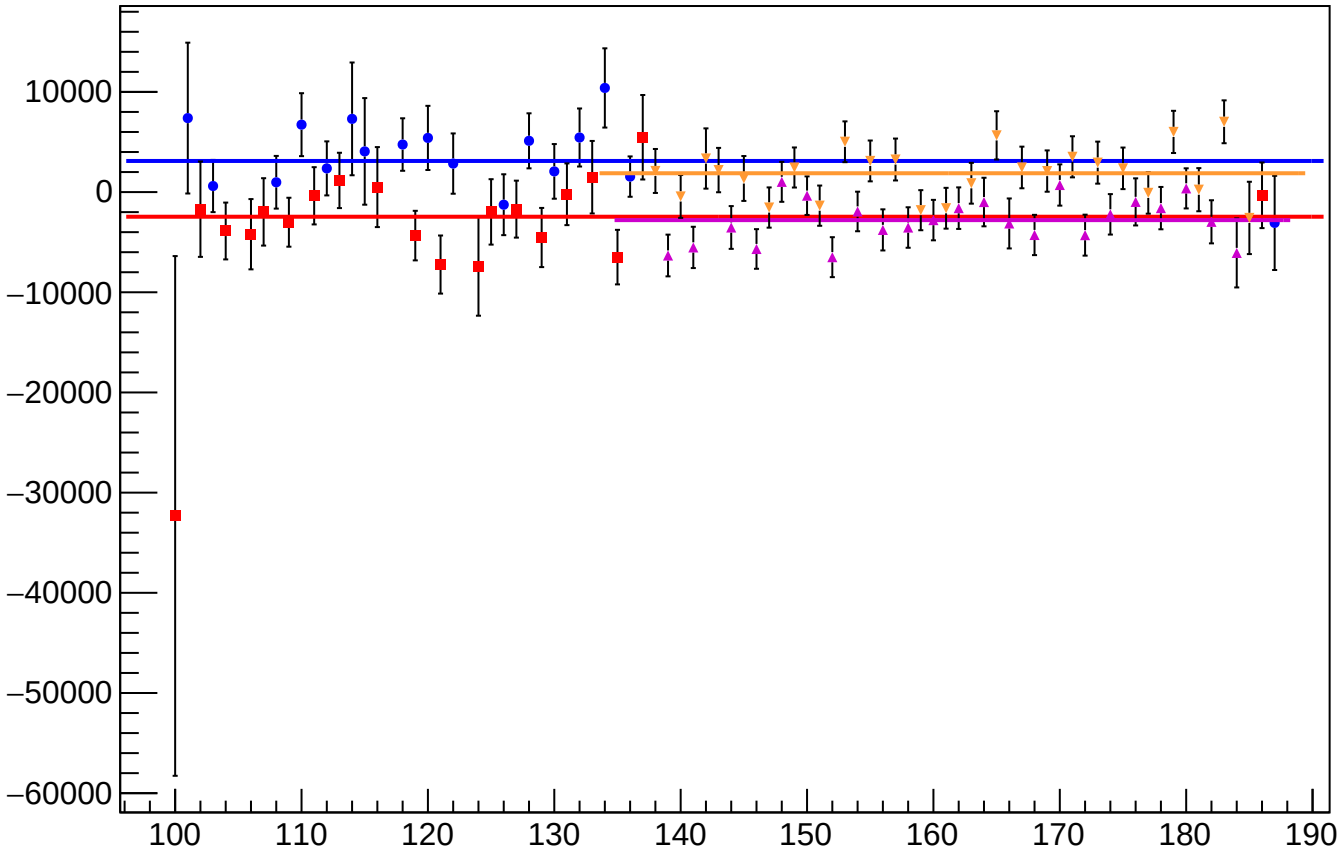
Right Out: 3461.395+/-0.958 χ^2/NDF: 2587579.5/19

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 4758.916+/-0.664 χ^2/NDF: 1684798.3/41

All: 4496.838+/-0.454 χ^2/NDF: 6964126.0/84

- sign 4267.150+/-0.622 χ^2/NDF: 4987322.5/42



Right In: 3106.931+/-741.468 χ^2/NDF: 13.9/16

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2459.000+/-717.032 χ^2/NDF: 17.5/19

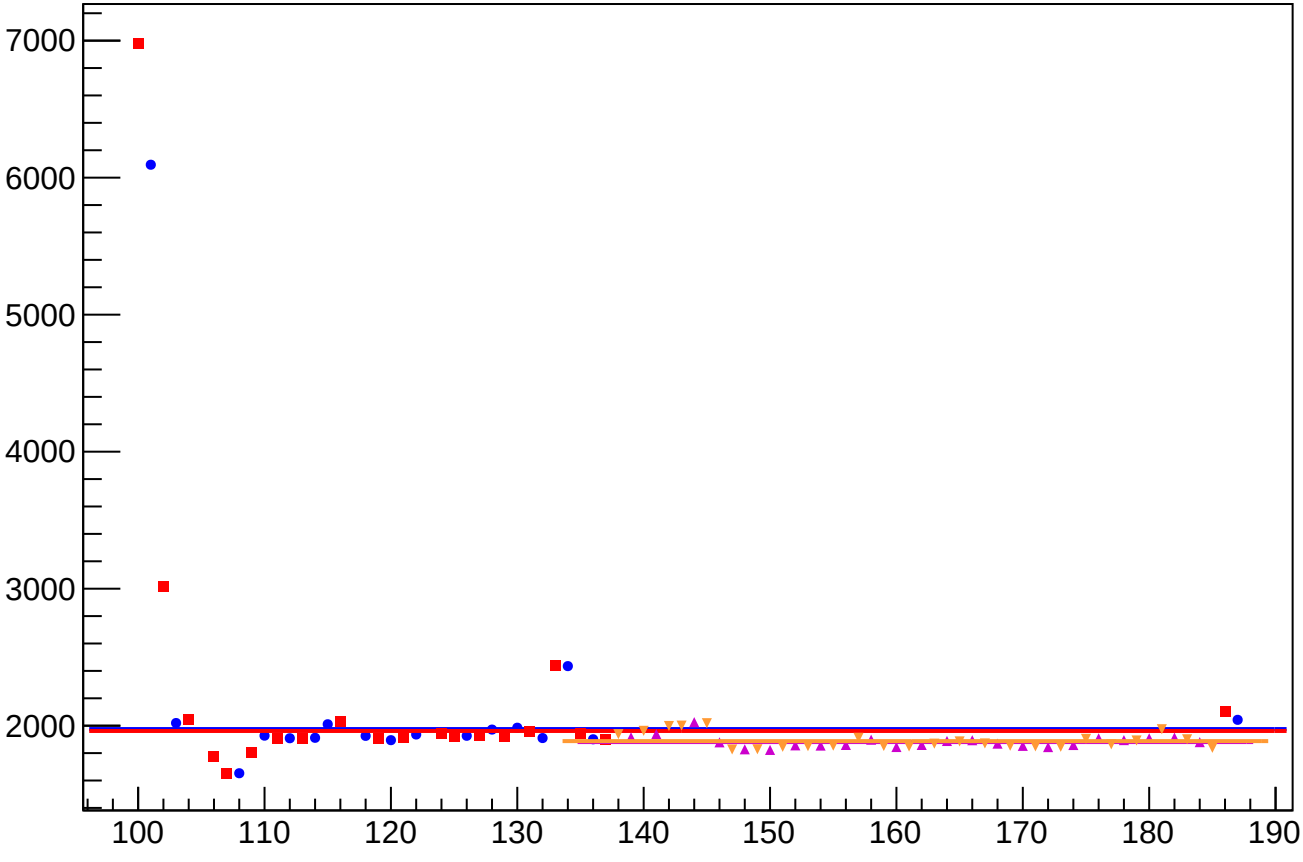
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2188.384+/-371.314 χ^2/NDF: 48.9/41

All: -237.504+/-263.694 χ^2/NDF: 178.1/84

- sign -2705.817+/-374.547 χ^2/NDF: 43.1/42

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1975.468+/-0.524 χ^2/NDF: 665546.2/16

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

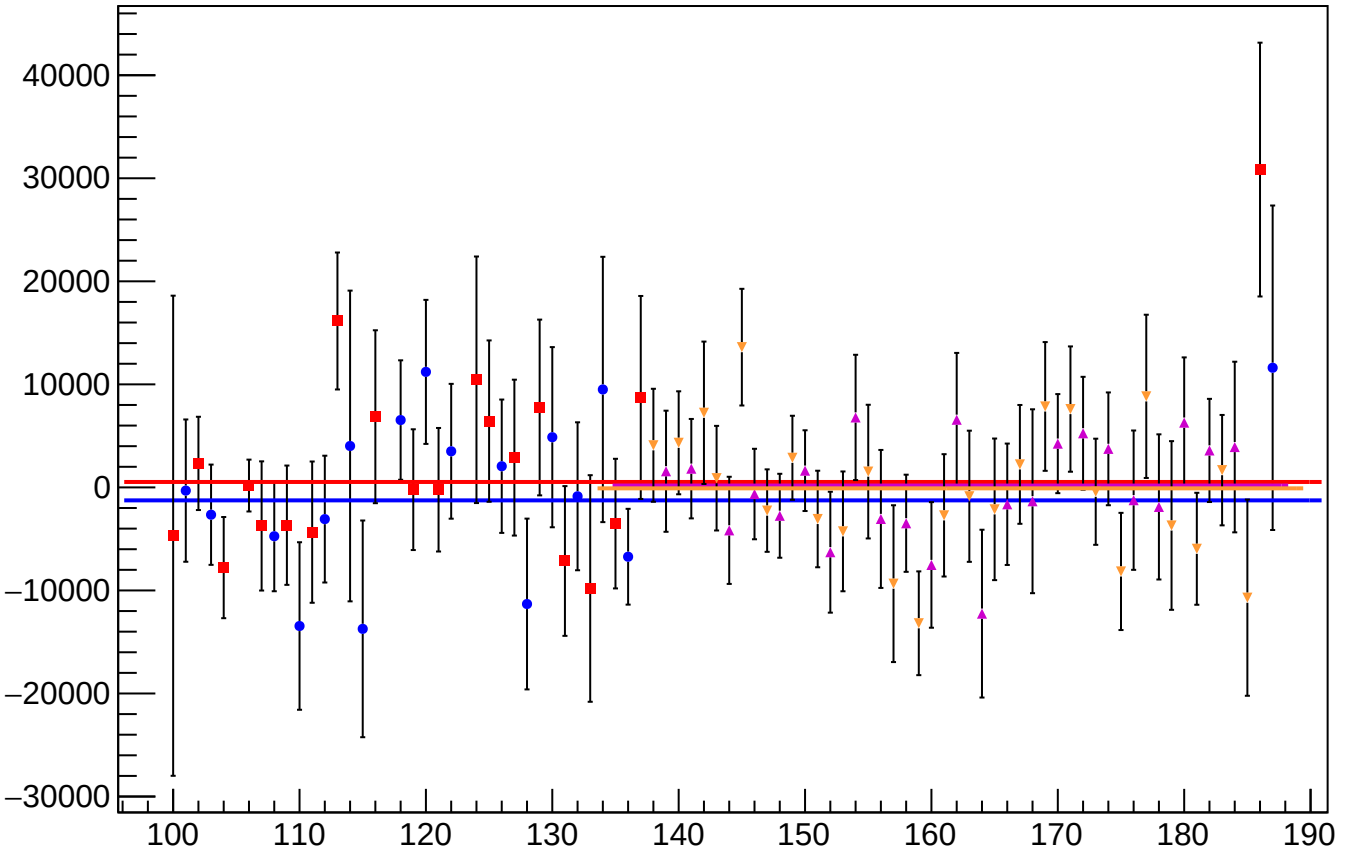
Right Out: 1961.599+/-0.507 χ^2/NDF: 250294.1/19

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1909.595+/-0.263 χ^2/NDF: 718571.2/41

All: 1906.182+/-0.186 χ^2/NDF: 1006835.6/84

- sign 1902.710+/-0.265 χ^2/NDF: 287923.5/42



Right In: -1259.087+/-1680.334 χ^2/NDF: 14.9/16

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 526.967+/-1355.356 χ^2/NDF: 21.9/19

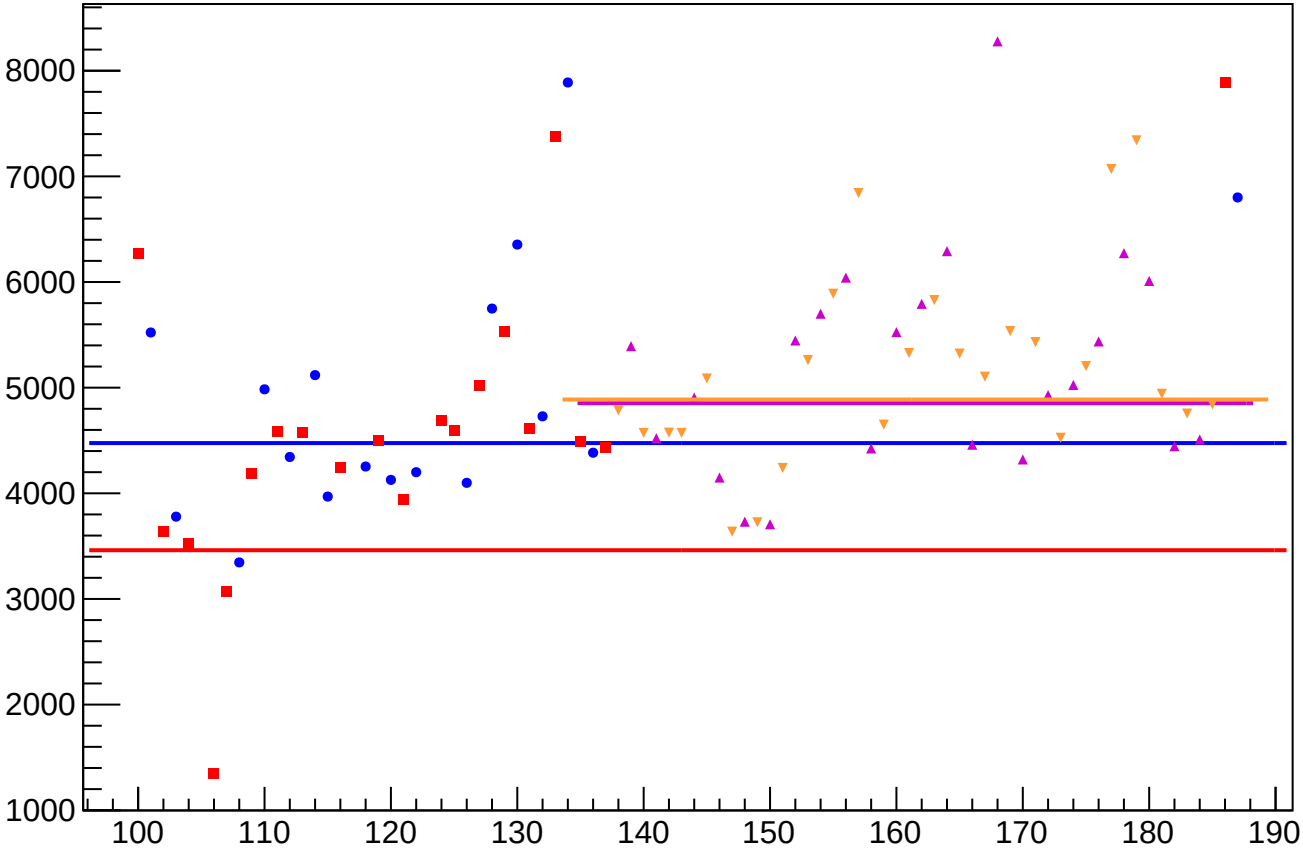
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

\+ sign -456.797+/-939.537 χ^2/NDF: 43.3/41

All: -40.436+/-642.101 χ^2/NDF: 79.2/84

\- sign 324.466+/-879.564 χ^2/NDF: 35.5/42

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 4475.488+/-1.188 χ^2/NDF: 538720.3/16

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

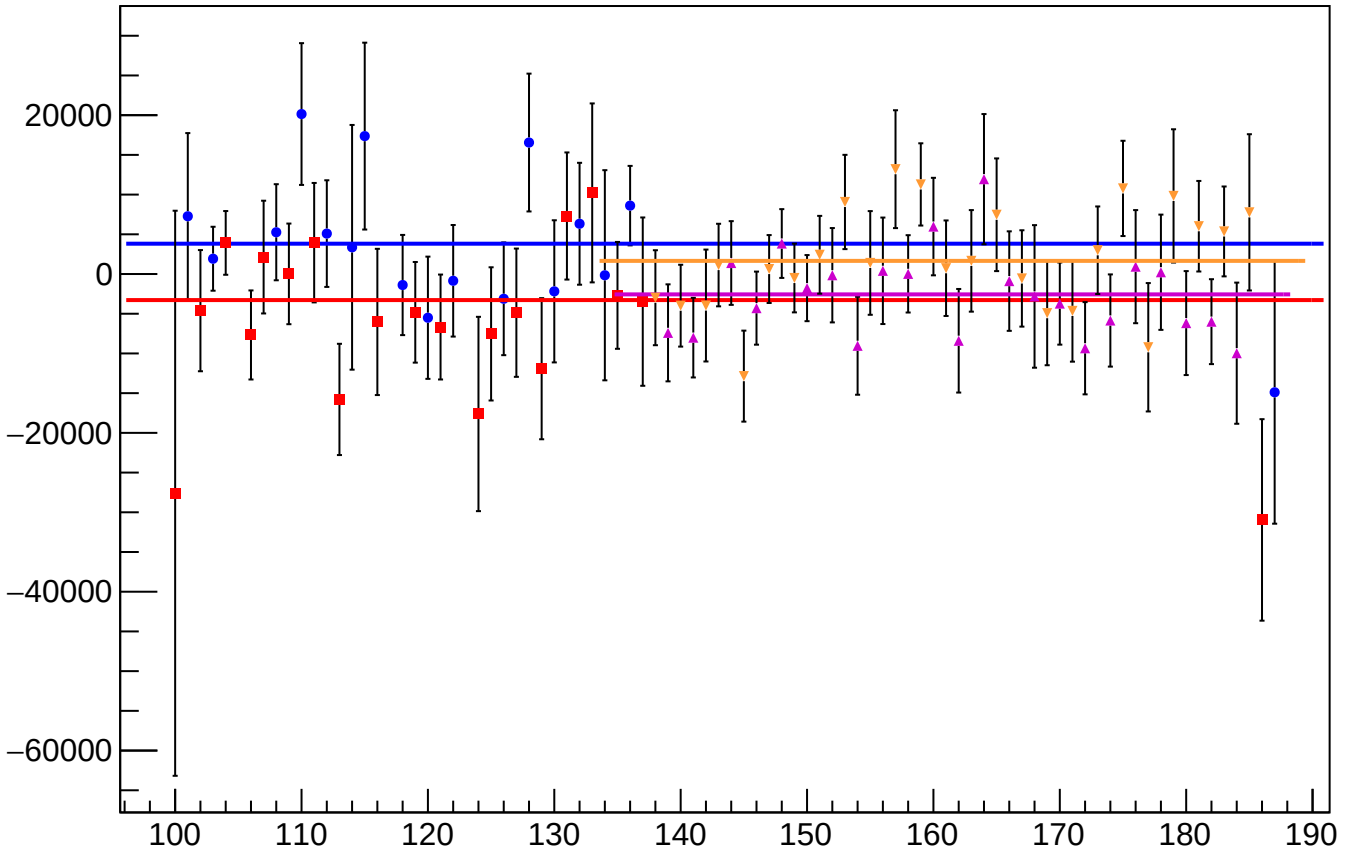
Right Out: 3461.387+/-0.958 χ^2/NDF: 2587583.4/19

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 4758.918+/-0.664 χ^2/NDF: 1684803.5/41

All: 4496.838+/-0.454 χ^2/NDF: 6964171.5/84

- sign 4267.149+/-0.622 χ^2/NDF: 4987357.9/42



Right In: 3817.578+/-1771.784 χ^2/NDF: 13.6/16

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -3281.356+/-1657.543 χ^2/NDF: 20.3/19

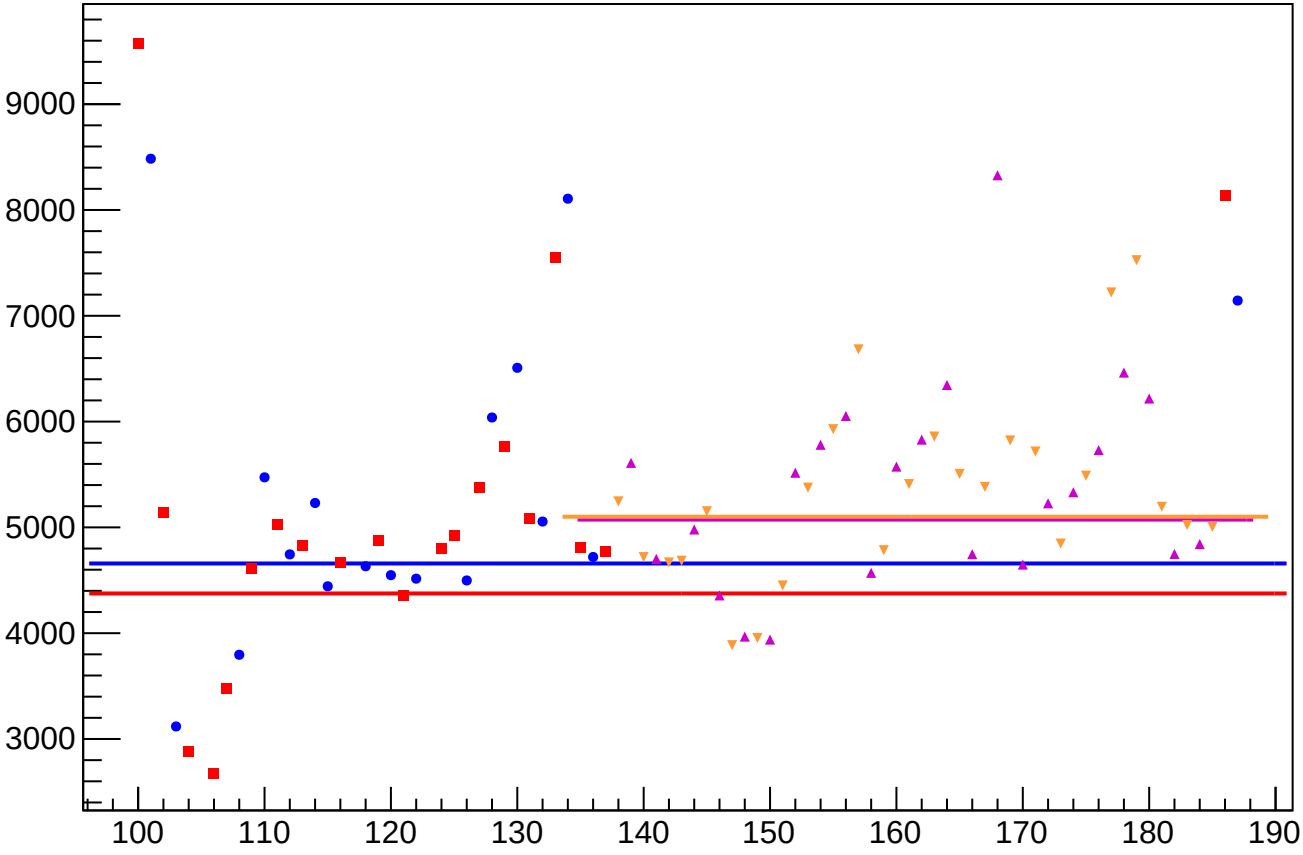
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2318.163+/-981.346 χ^2/NDF: 40.6/41

All: -265.026+/-691.437 χ^2/NDF: 90.8/84

- sign -2811.628+/-974.372 χ^2/NDF: 36.4/42

asym_atr_avg_rms vs Slug



Right In: 4658.793+/-1.253 χ^2/NDF: 945884.4/16

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4375.401+/-1.162 χ^2/NDF: 1083424.6/19

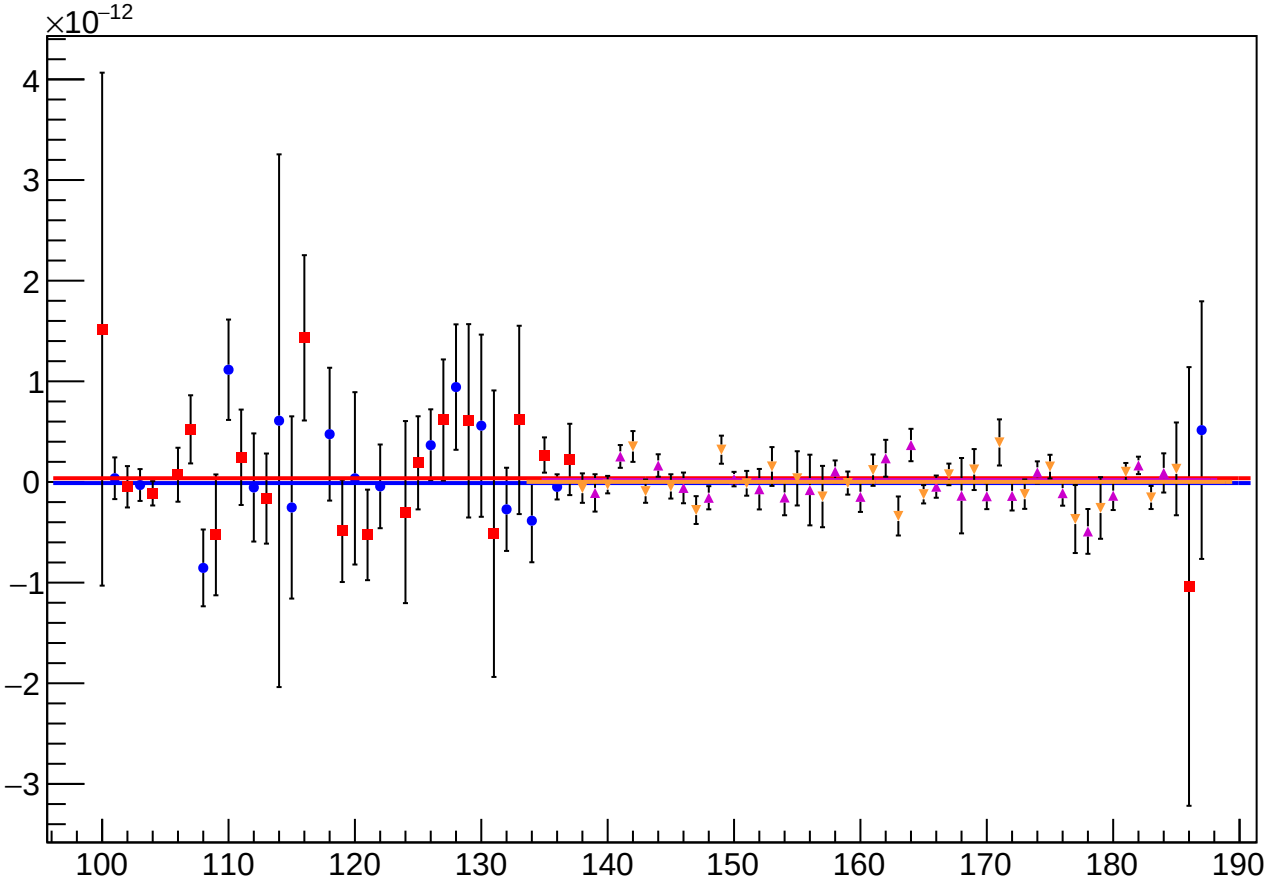
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 4965.092+/-0.694 χ^2/NDF: 1941438.9/41

All: 4896.657+/-0.488 χ^2/NDF: 4270838.7/84

- sign 4829.590+/-0.687 χ^2/NDF: 2310141.8/42

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

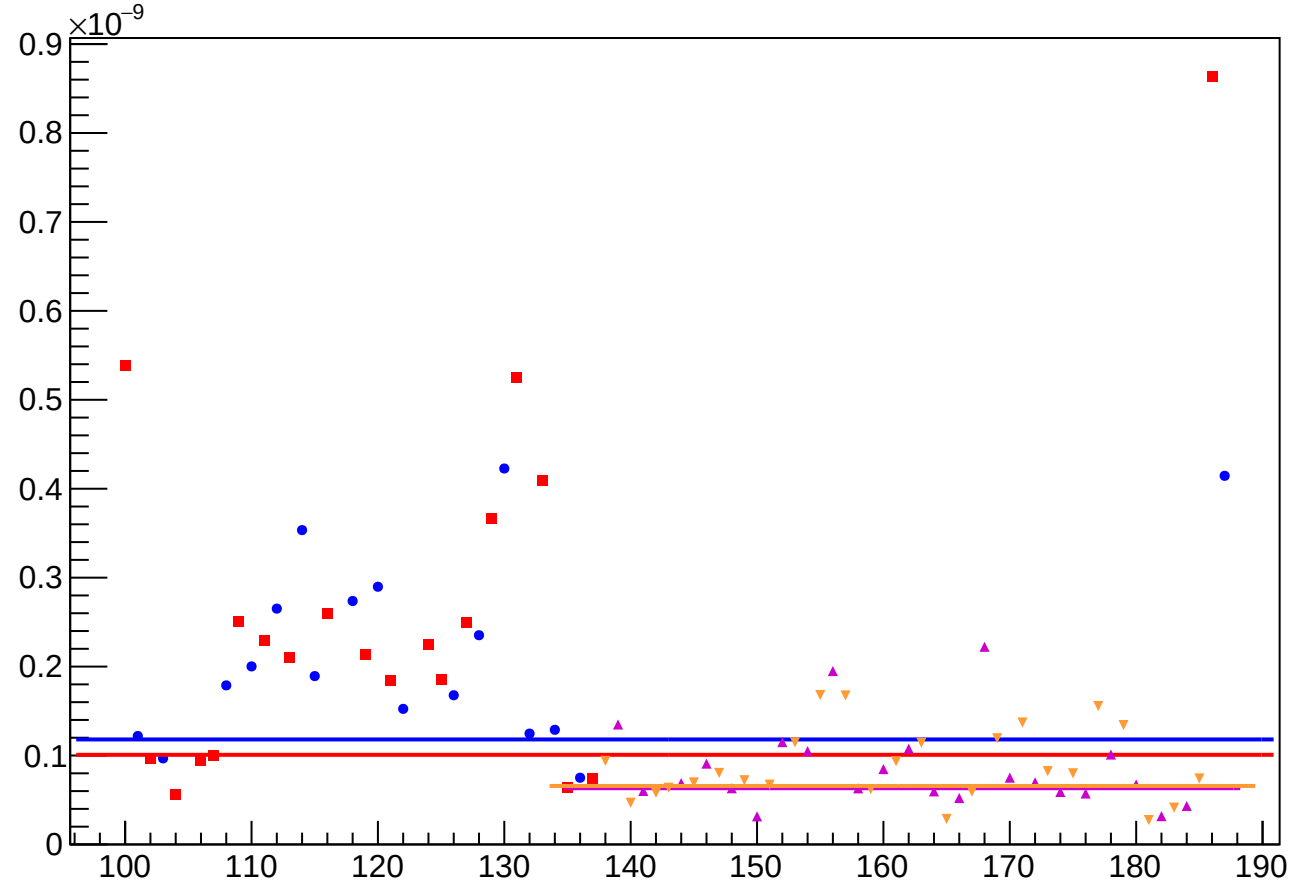
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/19

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.3/41

All: 0.000+/-0.000 χ^2/NDF: 97.4/84

- sign 0.000+/-0.000 χ^2/NDF: 47.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 1208129.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2089294.7/19

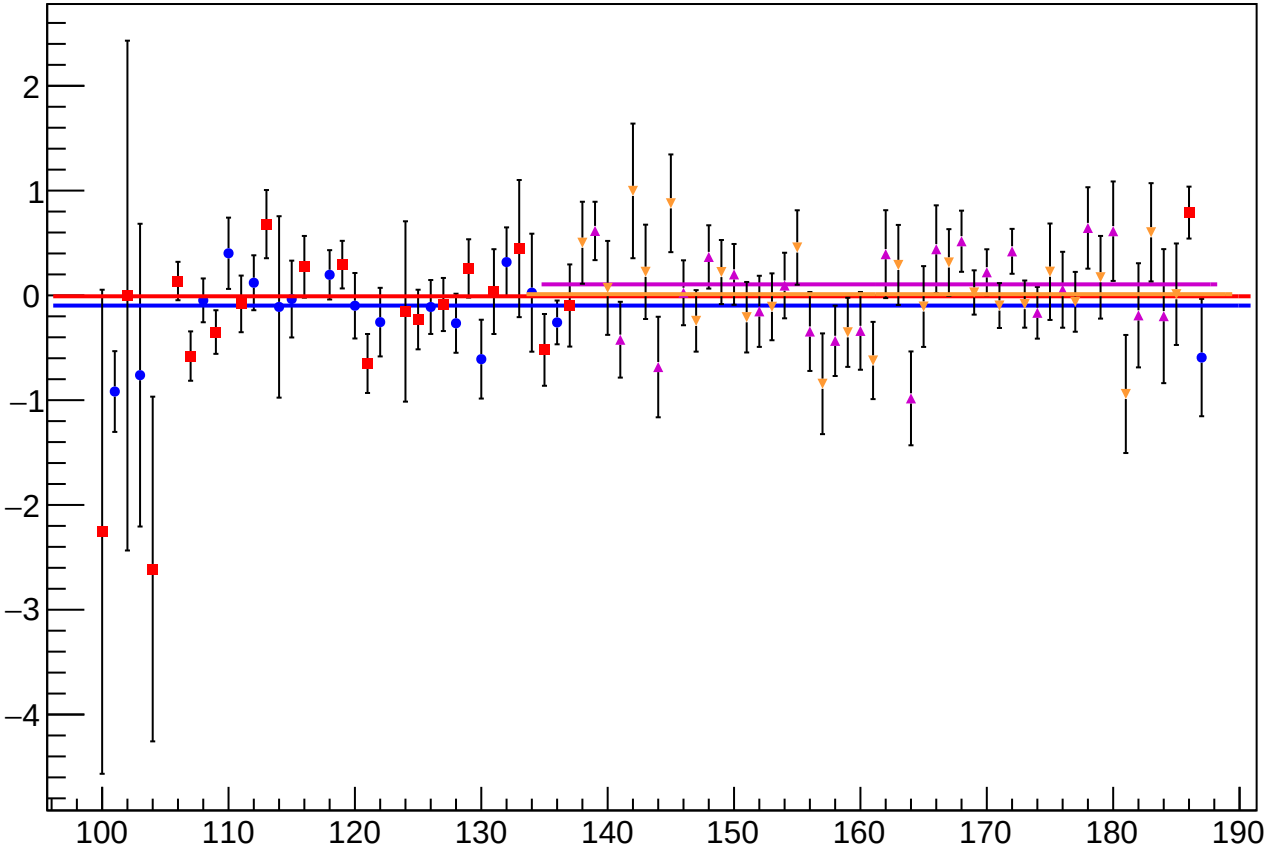
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4533327.9/41

All: 0.000+/-0.000 χ^2/NDF: 9312102.2/84

- sign 0.000+/-0.000 χ^2/NDF: 4754661.5/42

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.009+/-0.067 χ^2/NDF: 39.9/19

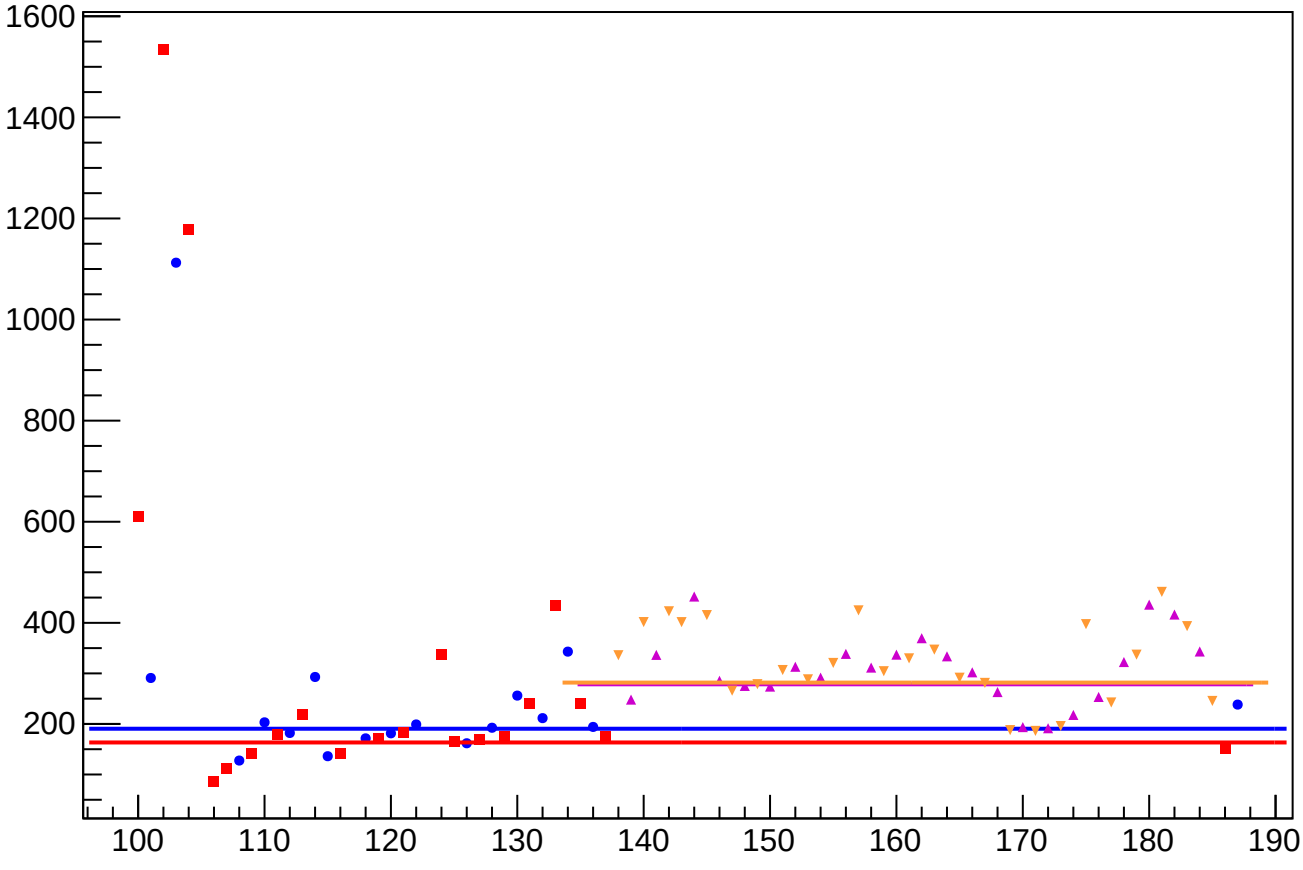
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.051 χ^2/NDF: 41.0/41

All: 0.007+/-0.035 χ^2/NDF: 115.2/84

- sign 0.047+/-0.048 χ^2/NDF: 72.7/42

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 190.526+/-0.054 χ^2/NDF: 1480295.9/16

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 163.358+/-0.048 χ^2/NDF: 2648251.6/19

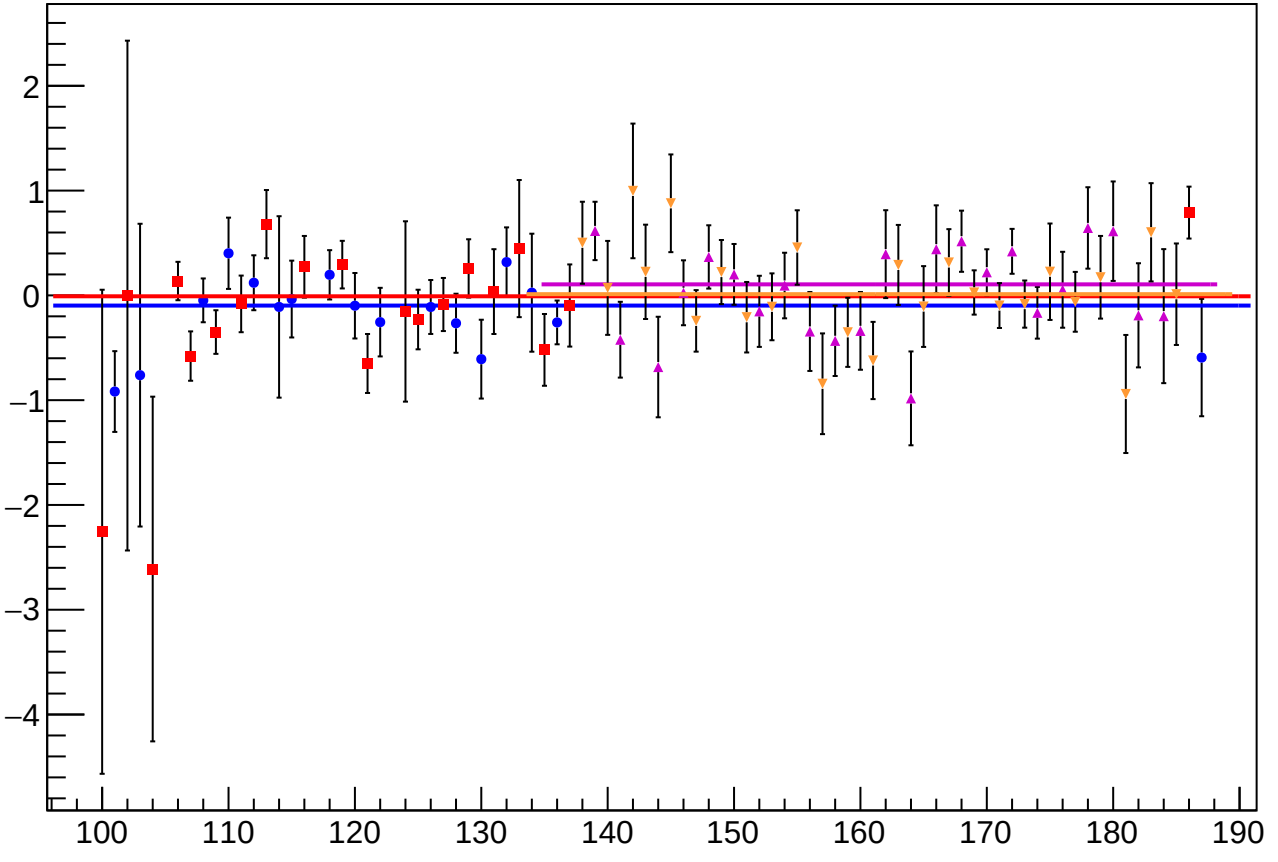
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 241.231+/-0.036 χ^2/NDF: 5601537.8/41

All: 229.969+/-0.025 χ^2/NDF: 13100273.4/84

- sign 219.851+/-0.034 χ^2/NDF: 7311475.2/42

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.009+/-0.067 χ^2/NDF: 39.9/19

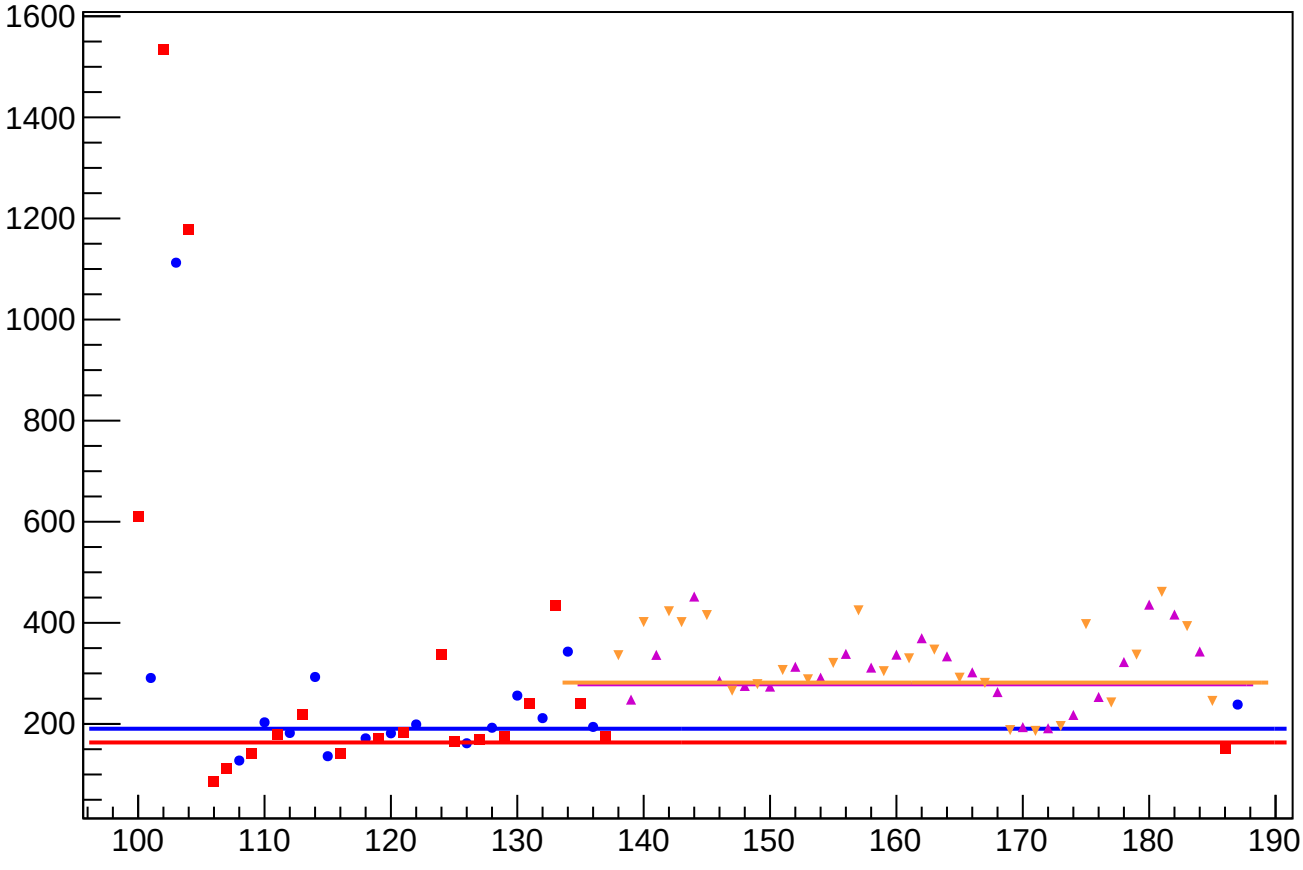
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.051 χ^2/NDF: 41.0/41

All: 0.007+/-0.035 χ^2/NDF: 115.2/84

- sign 0.047+/-0.048 χ^2/NDF: 72.7/42

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 190.526+/-0.054 χ^2/NDF: 1480295.9/16

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

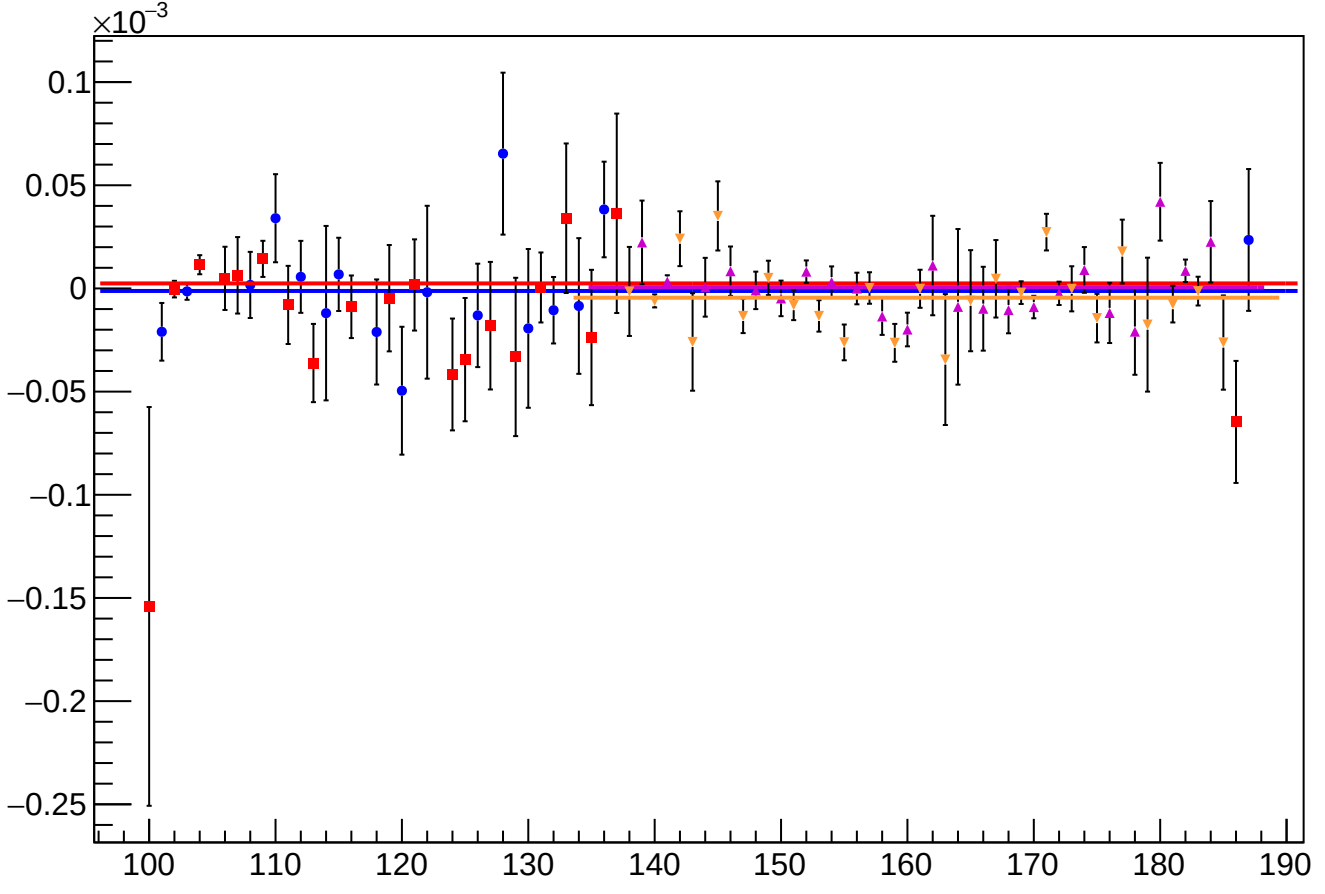
Right Out: 163.358+/-0.048 χ^2/NDF: 2648251.6/19

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 241.231+/-0.036 χ^2/NDF: 5601537.8/41

All: 229.969+/-0.025 χ^2/NDF: 13100273.4/84

- sign 219.851+/-0.034 χ^2/NDF: 7311475.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/19

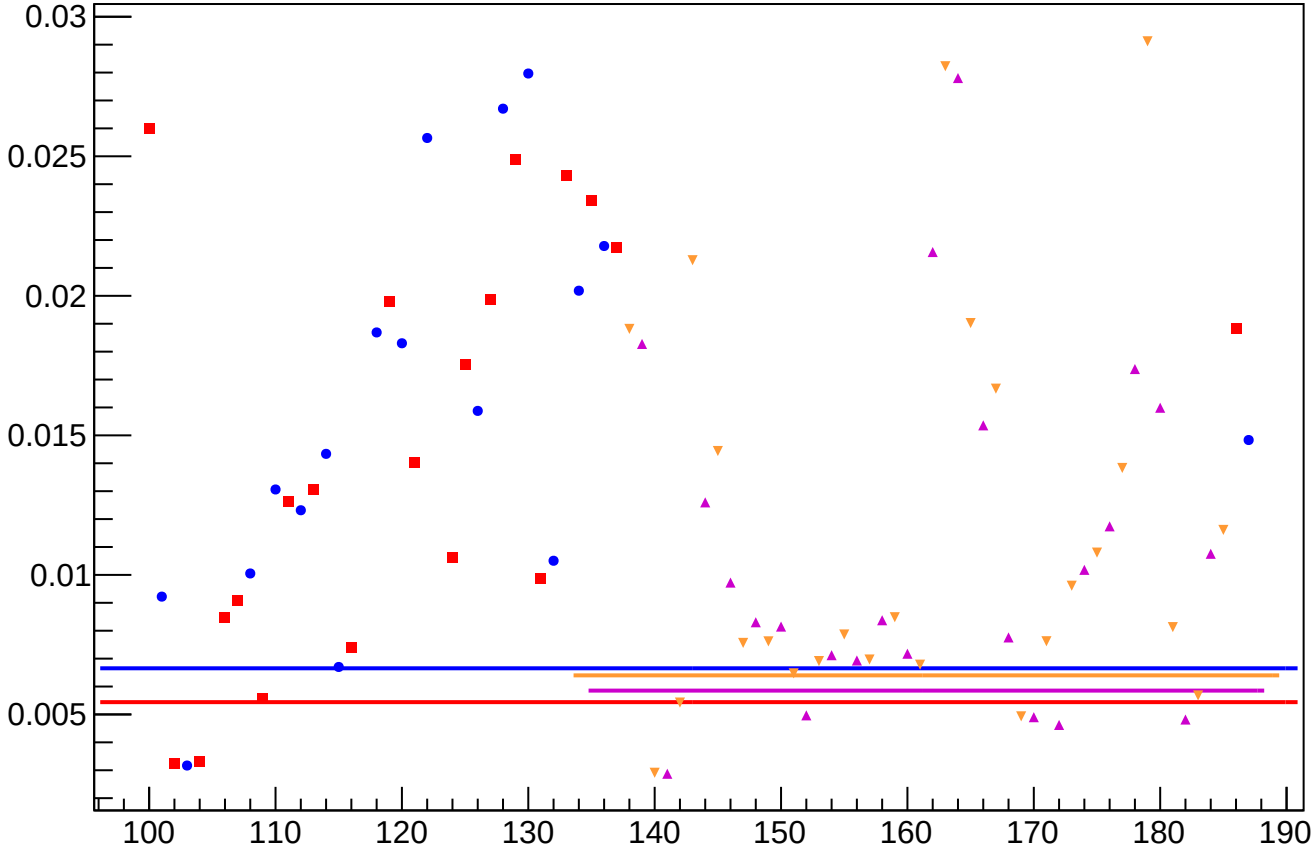
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.5/41

All: -0.000+/-0.000 χ^2/NDF: 124.2/84

- sign 0.000+/-0.000 χ^2/NDF: 55.9/42

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6042364.7/16

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6098455.1/19

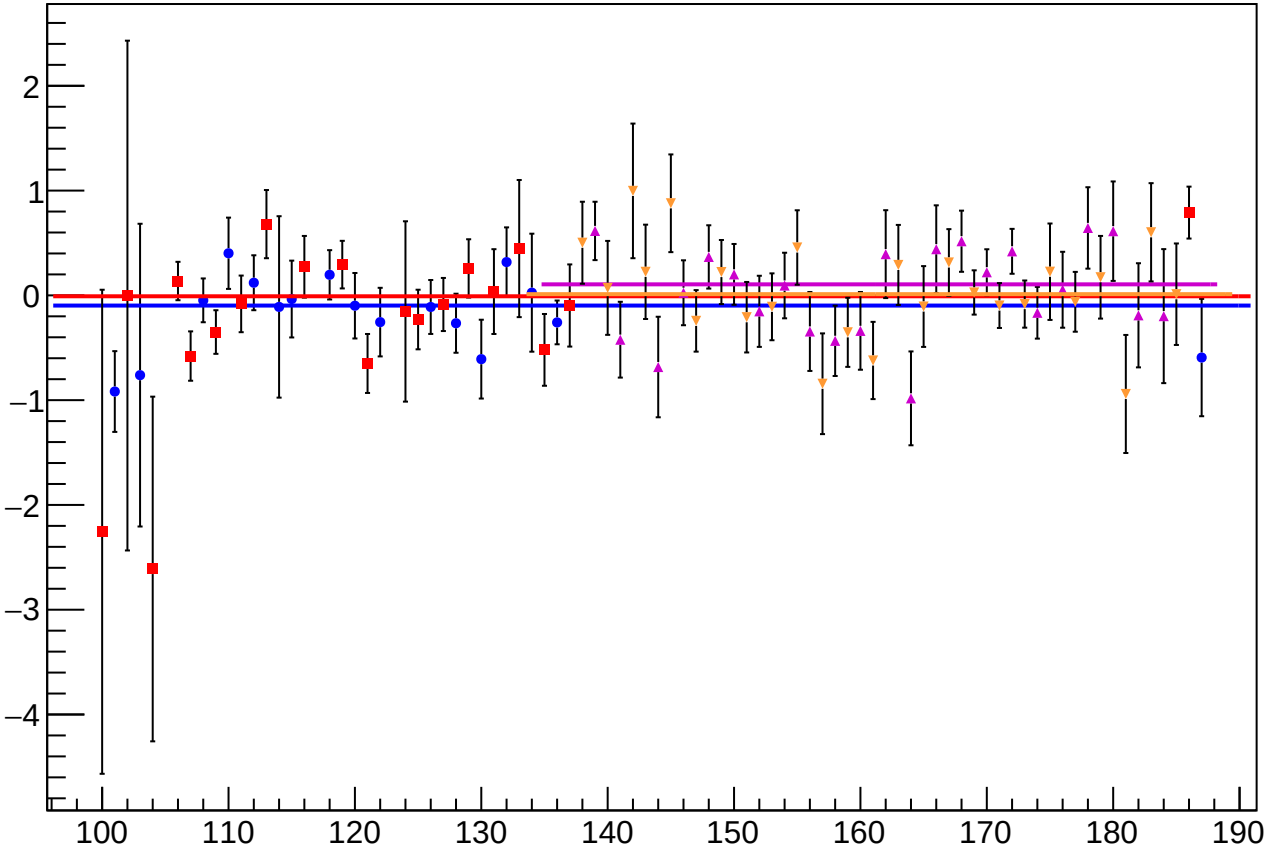
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 15015923.3/41

All: 0.006+/-0.000 χ^2/NDF: 29541743.1/84

- sign 0.006+/-0.000 χ^2/NDF: 14279931.8/42

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.009+/-0.067 χ^2/NDF: 39.9/19

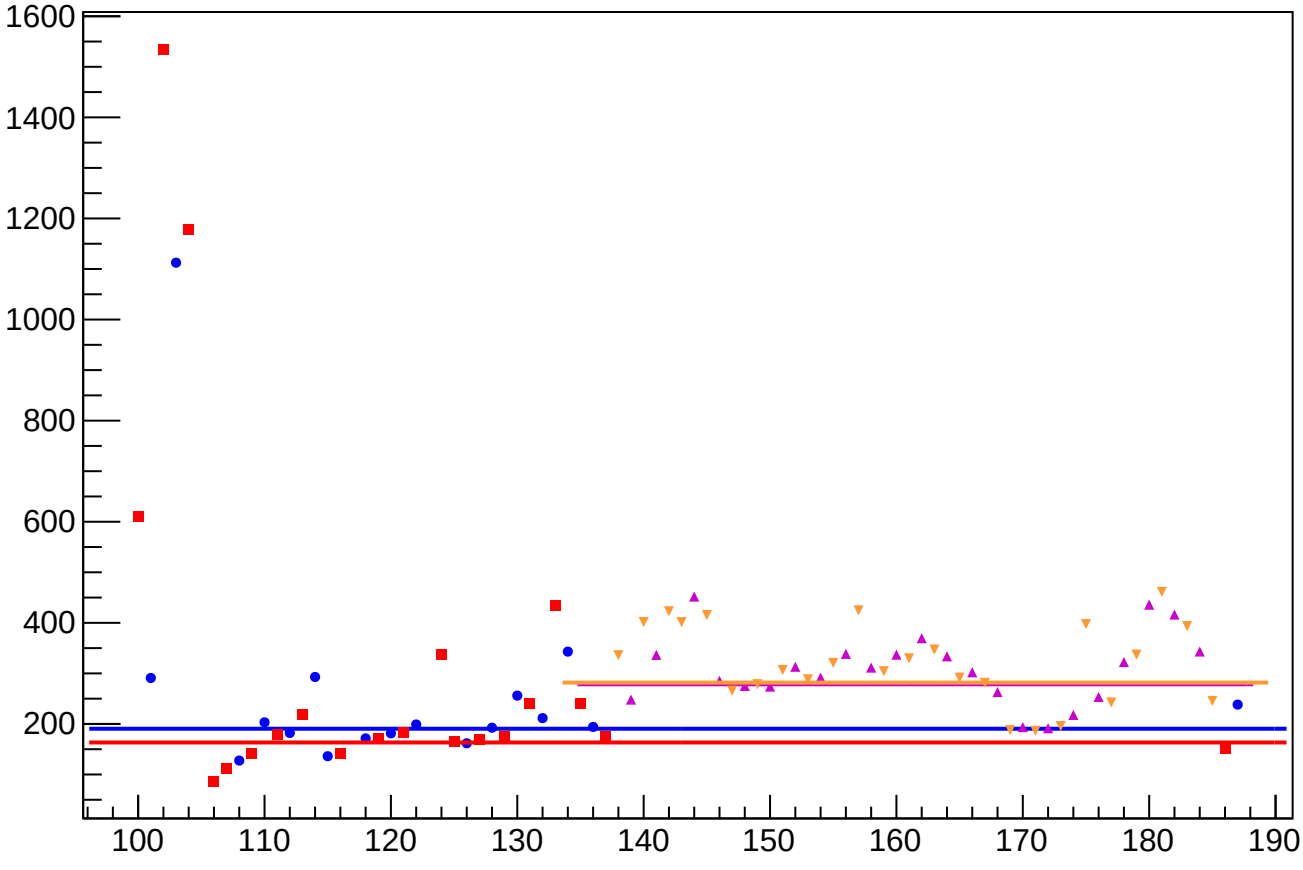
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.037+/-0.051 χ^2/NDF: 41.0/41

All: 0.007+/-0.035 χ^2/NDF: 115.2/84

- sign 0.047+/-0.048 χ^2/NDF: 72.7/42

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 190.525+/-0.054 χ^2/NDF: 1480282.6/16

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

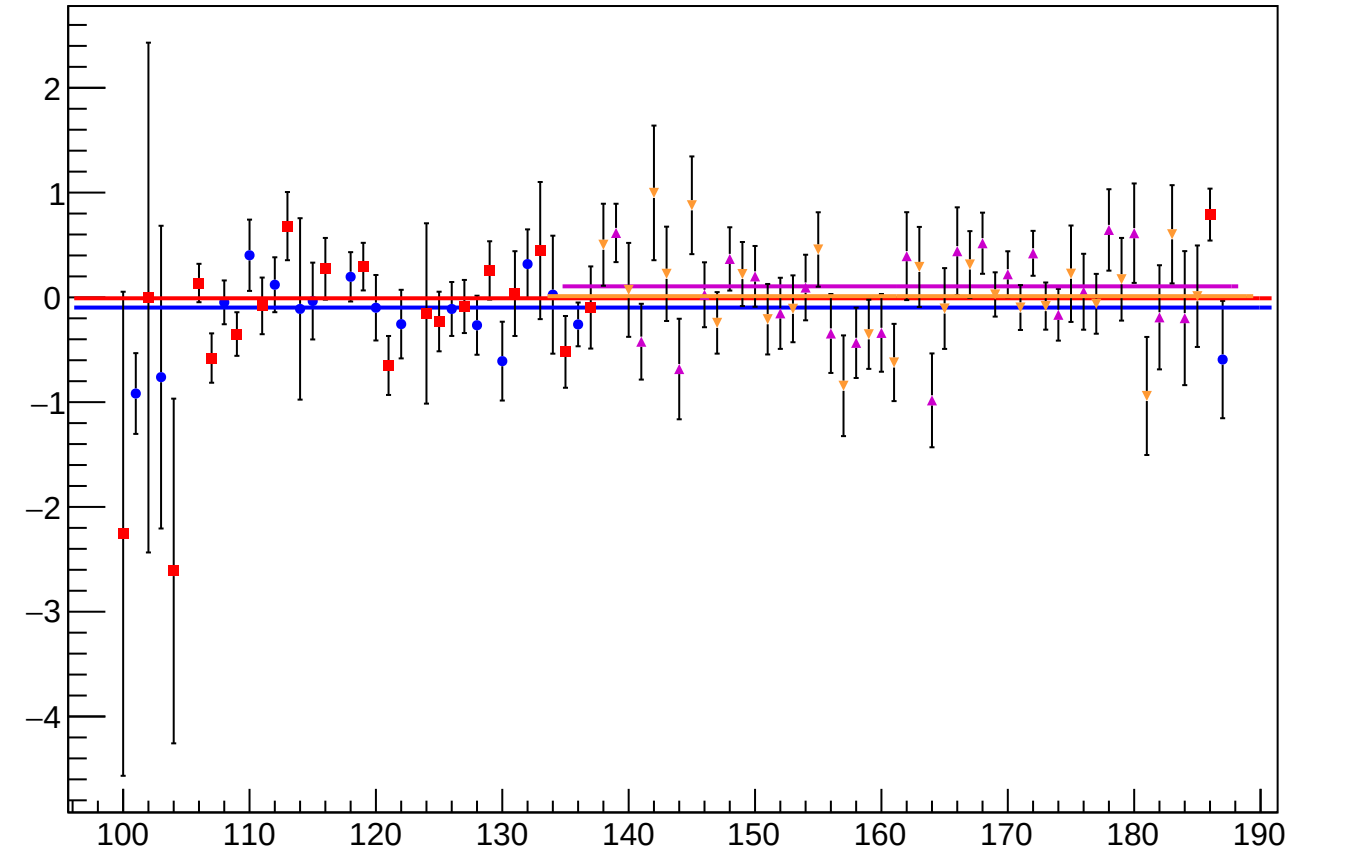
Right Out: 163.357+/-0.048 χ^2/NDF: 2648231.9/19

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 241.232+/-0.036 χ^2/NDF: 5601699.7/41

All: 229.969+/-0.025 χ^2/NDF: 13100653.7/84

- sign 219.850+/-0.034 χ^2/NDF: 7311678.4/42



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

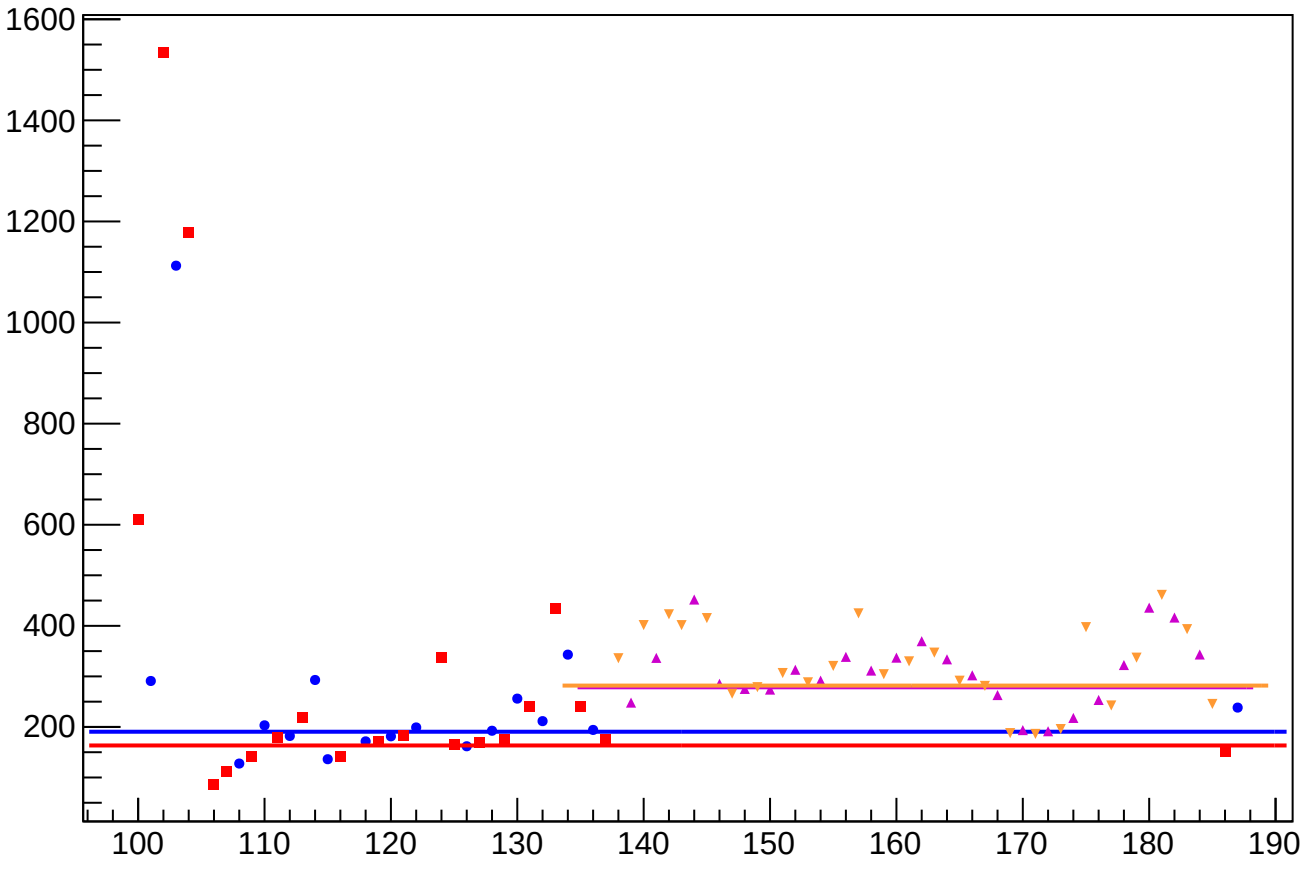
Right Out: -0.009+/-0.067 χ^2/NDF: 39.9/19

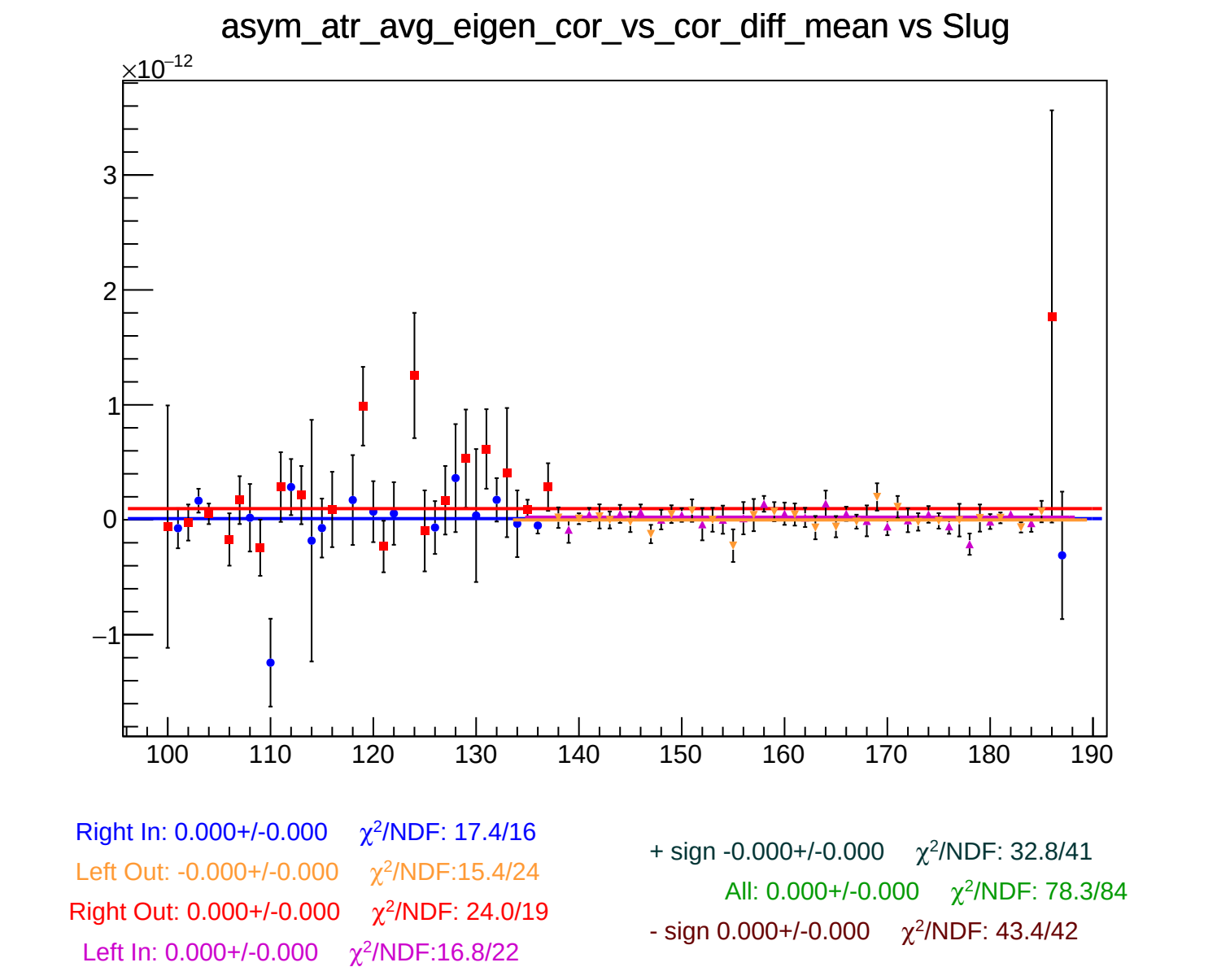
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

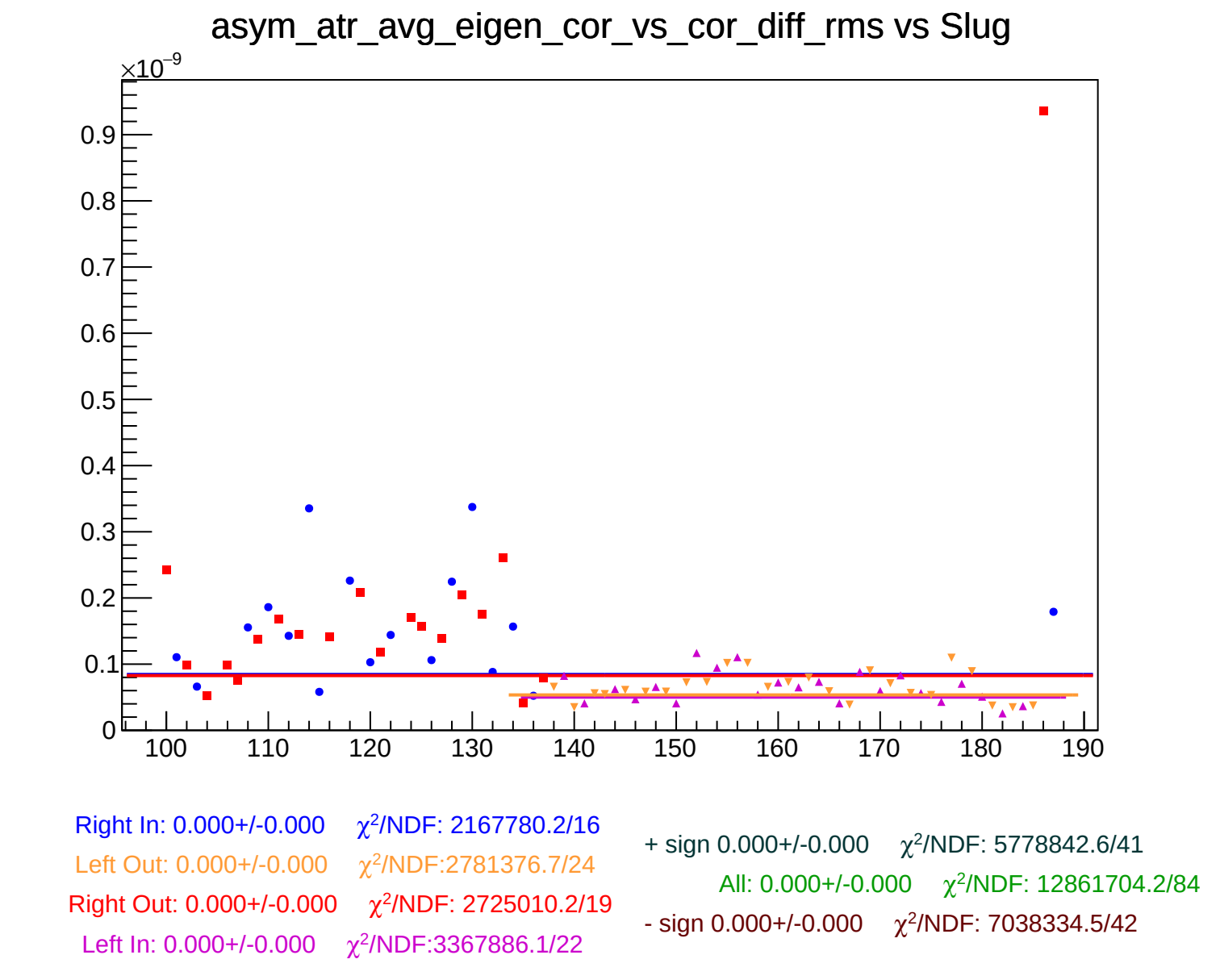
+ sign -0.037+/-0.051 χ^2/NDF: 41.0/41

All: 0.007+/-0.035 χ^2/NDF: 115.2/84

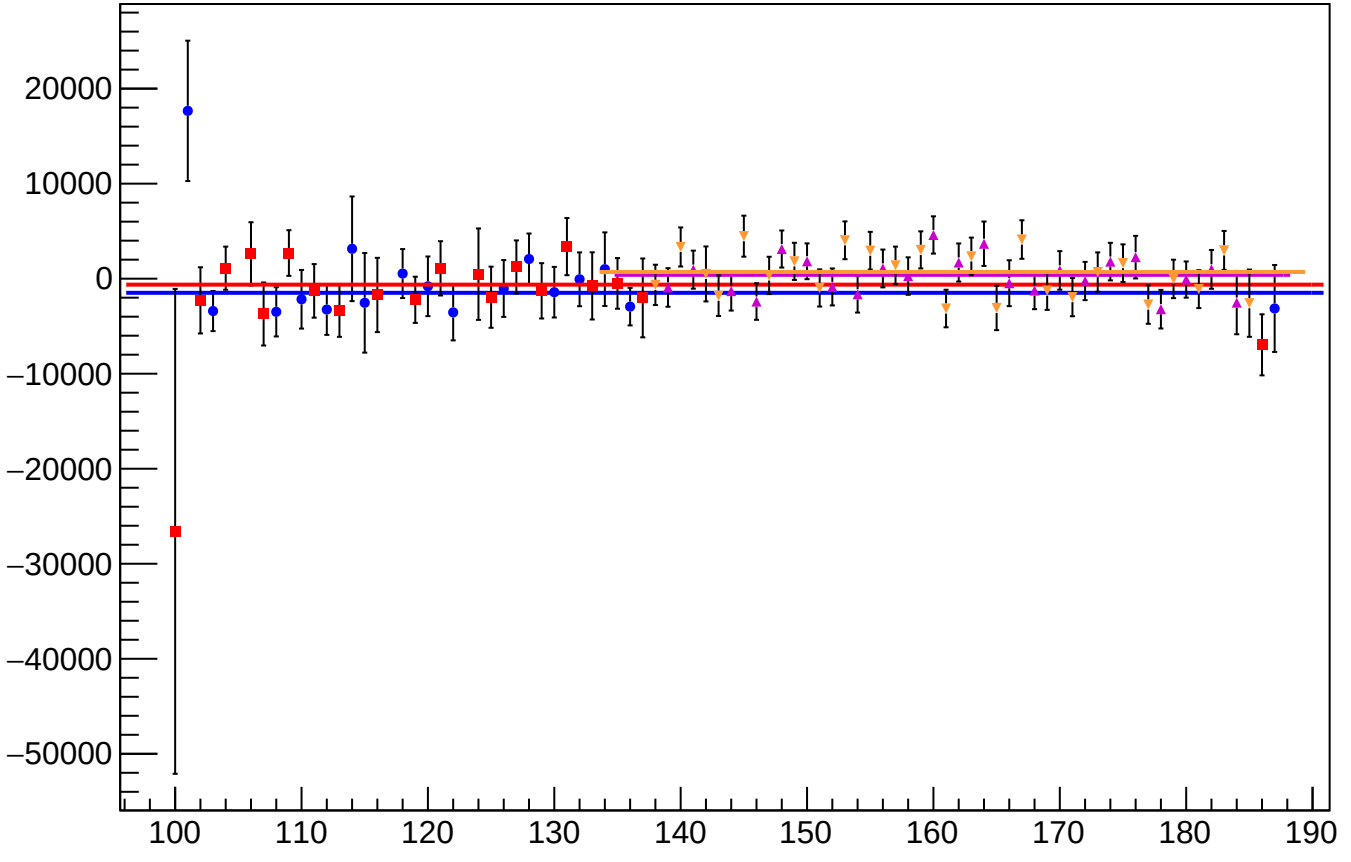
- sign 0.047+/-0.048 χ^2/NDF: 72.7/42


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 190.525+/-0.054 χ²/NDF: 1480282.6/16
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 163.357+/-0.048 χ²/NDF: 2648231.9/19
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 241.232+/-0.036 χ²/NDF: 5601699.7/41
All: 229.969+/-0.025 χ²/NDF: 13100653.7/84
- sign 219.850+/-0.034 χ²/NDF: 7311678.4/42


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.4/16
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.0/19
Left In: 0.000+/-0.000 χ²/NDF:16.8/22
+ sign -0.000+/-0.000 χ²/NDF: 32.8/41
All: 0.000+/-0.000 χ²/NDF: 78.3/84
- sign 0.000+/-0.000 χ²/NDF: 43.4/42


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2167780.2/16
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2725010.2/19
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
+ sign 0.000+/-0.000 χ²/NDF: 5778842.6/41
All: 0.000+/-0.000 χ²/NDF: 12861704.2/84
- sign 0.000+/-0.000 χ²/NDF: 7038334.5/42

reg_asym_atr_dd_mean vs Slug



Right In: -1487.685+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -628.796+/-686.423 χ^2/NDF: 14.0/19

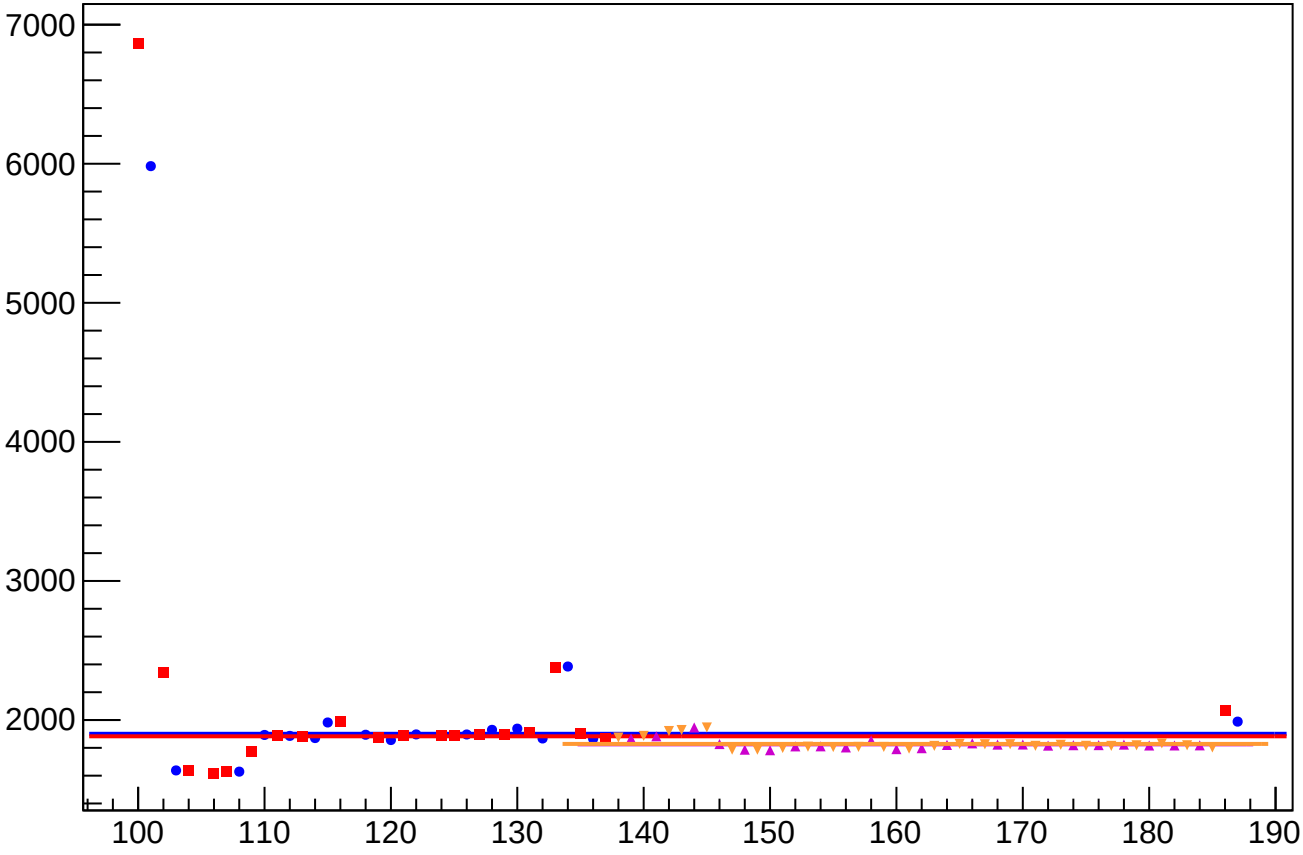
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 151.408+/-359.078 χ^2/NDF: 52.6/41

All: 133.849+/-254.965 χ^2/NDF: 89.0/84

- sign 115.995+/-362.092 χ^2/NDF: 36.4/42

reg_asym_atr_dd_rms vs Slug



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.7/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

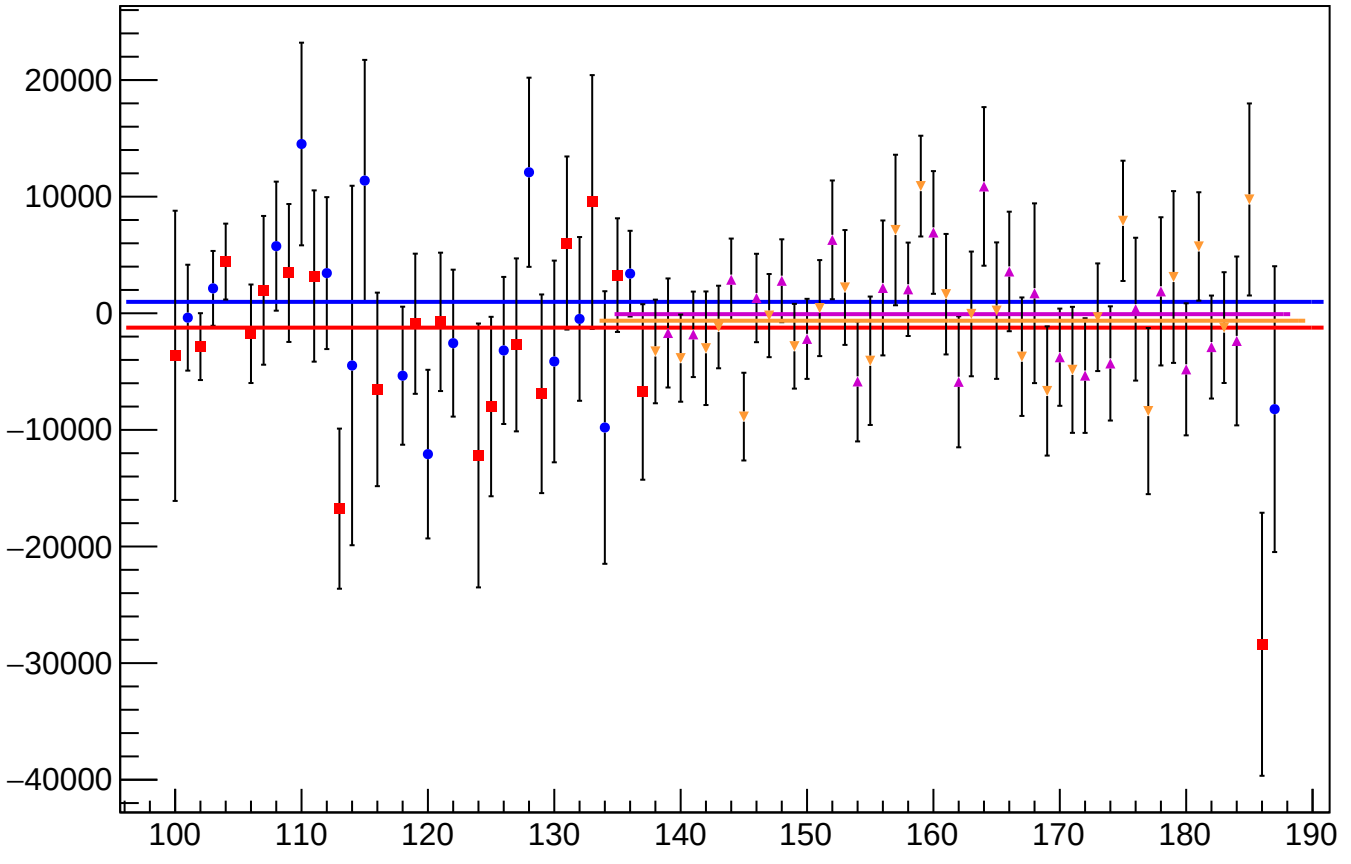
Right Out: 1882.983+/-0.484 χ^2/NDF: 214514.0/19

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1846.634+/-0.254 χ^2/NDF: 733106.4/41

All: 1844.001+/-0.180 χ^2/NDF: 971486.4/84

- sign 1841.328+/-0.256 χ^2/NDF: 238163.4/42



Right In: 978.673+/-1468.605 χ^2/NDF: 13.9/16

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1231.717+/-1298.531 χ^2/NDF: 21.5/19

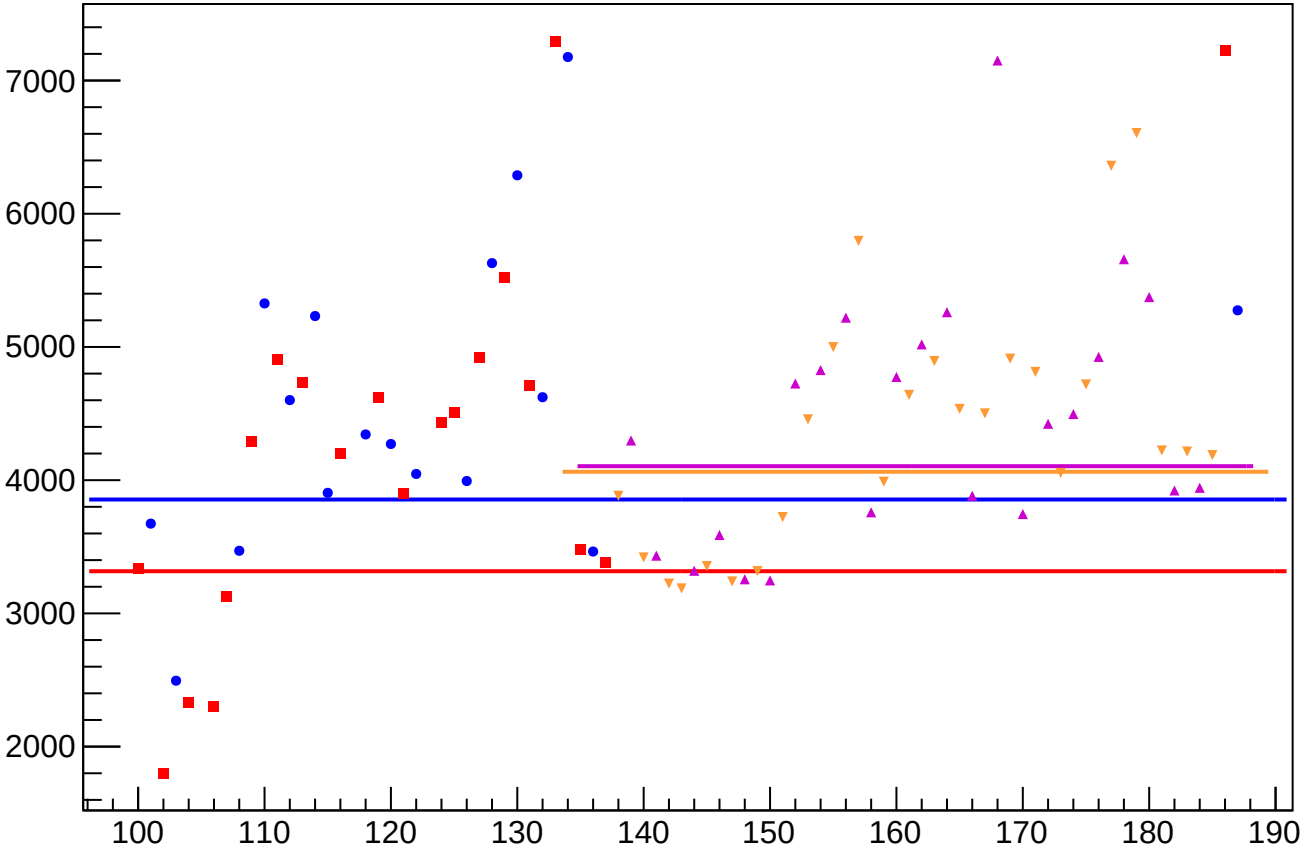
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -163.087+/-795.802 χ^2/NDF: 40.8/41

All: -332.061+/-557.902 χ^2/NDF: 78.3/84

- sign -495.373+/-782.356 χ^2/NDF: 37.4/42

asym_atr_dd_reg_correction_rms vs Slug



Right In: 3854.858+/-1.038 χ^2/NDF: 984031.6/16

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3316.659+/-0.918 χ^2/NDF: 2108065.5/19

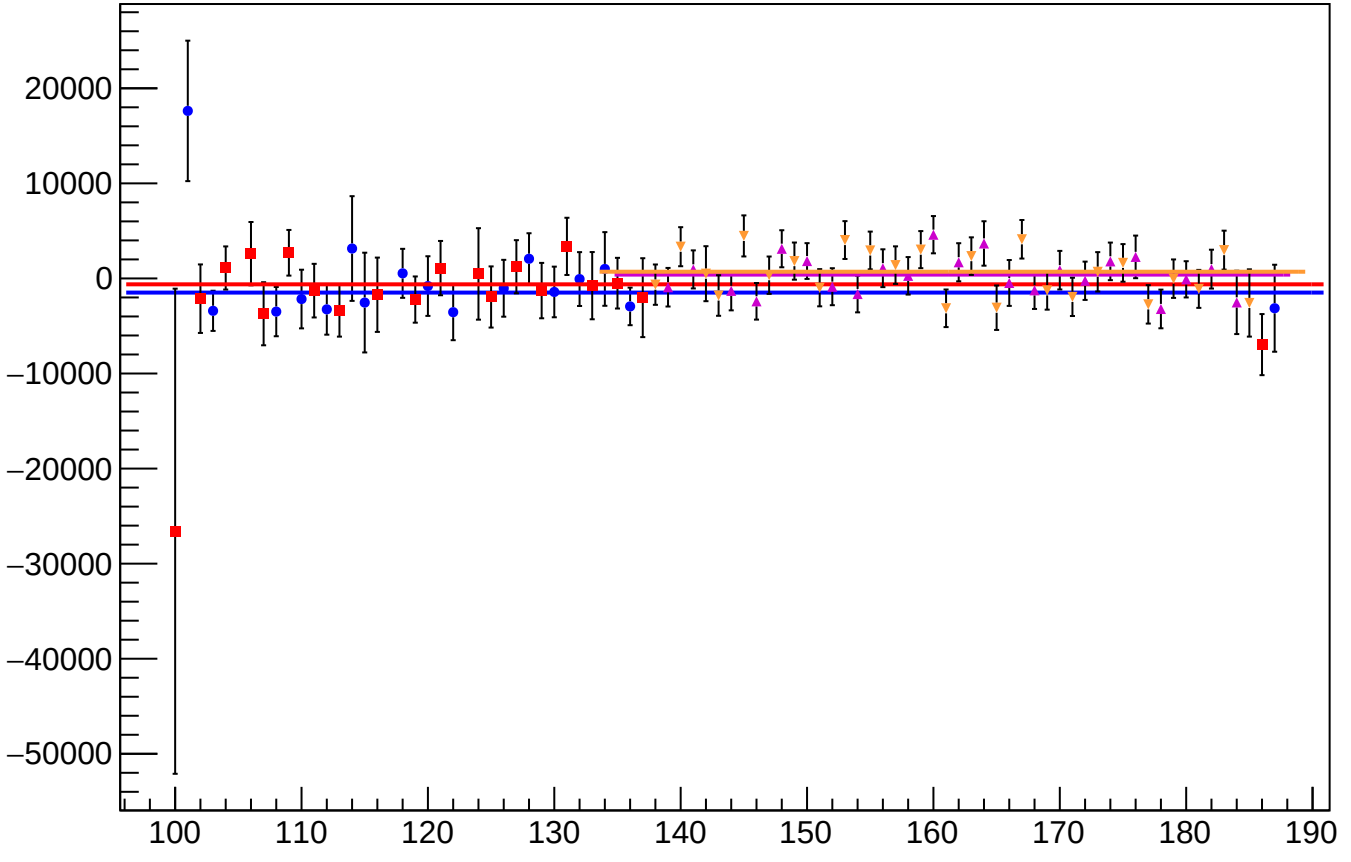
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4001.960+/-0.563 χ^2/NDF: 2417474.6/41

All: 3908.855+/-0.394 χ^2/NDF: 6408498.6/84

- sign 3818.871+/-0.553 χ^2/NDF: 3937190.4/42

cor_asym_atr_dd_mean vs Slug



Right In: -1488.067+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -619.595+/-687.306 χ^2/NDF: 14.0/19

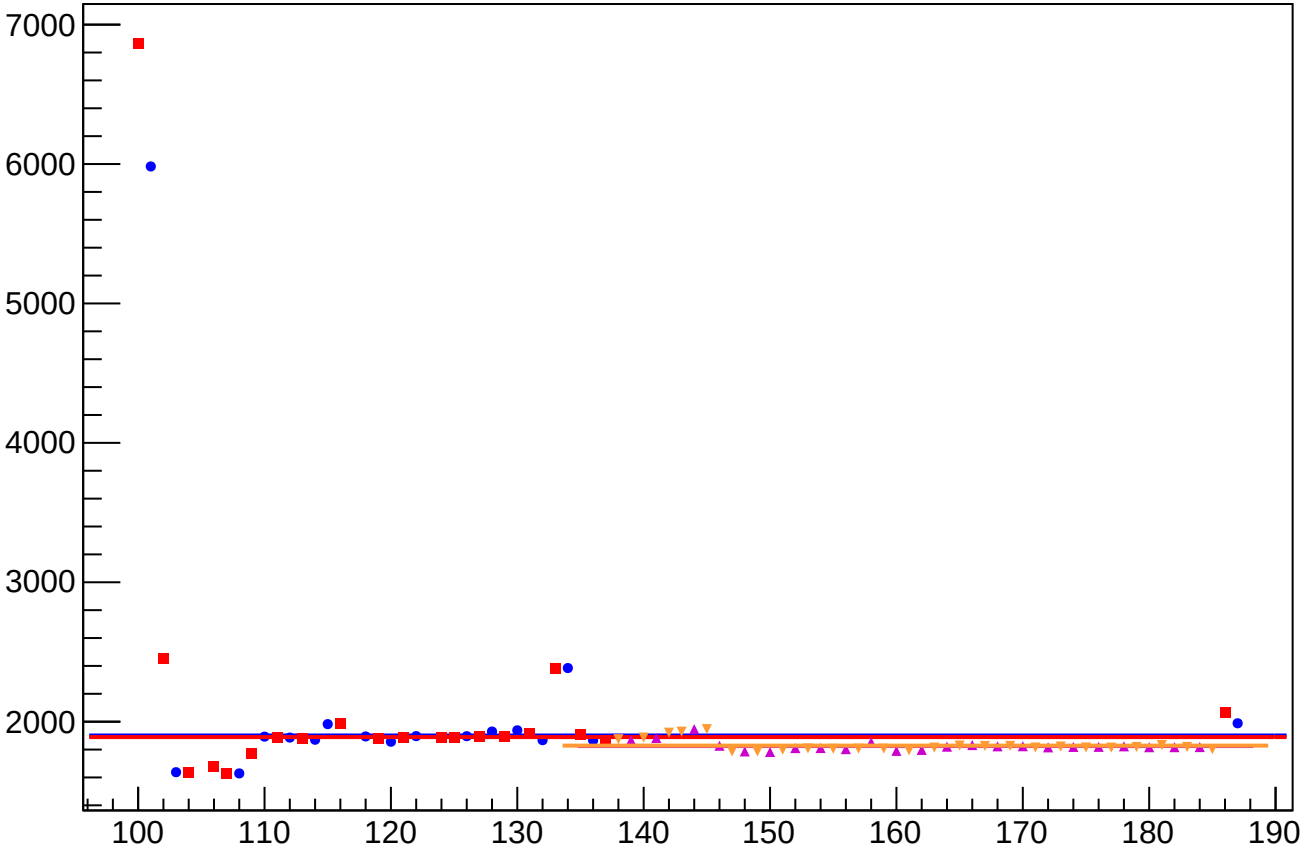
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 151.355+/-359.078 χ^2/NDF: 52.6/41

All: 135.301+/-255.011 χ^2/NDF: 88.9/84

- sign 118.965+/-362.221 χ^2/NDF: 36.3/42

cor_asym_atr_dd_rms vs Slug



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.8/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

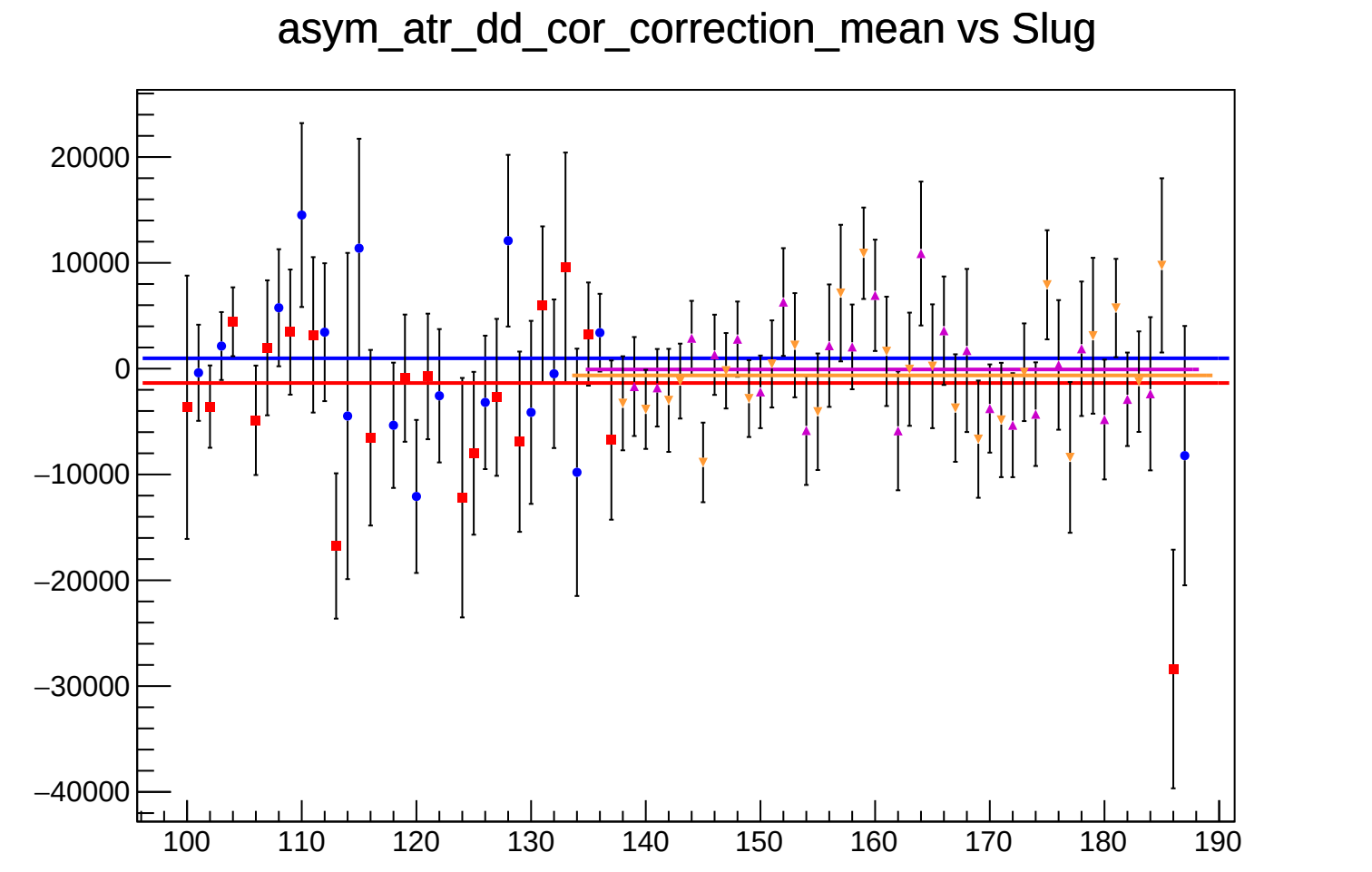
Right Out: 1889.483+/-0.485 χ^2/NDF: 222946.0/19

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

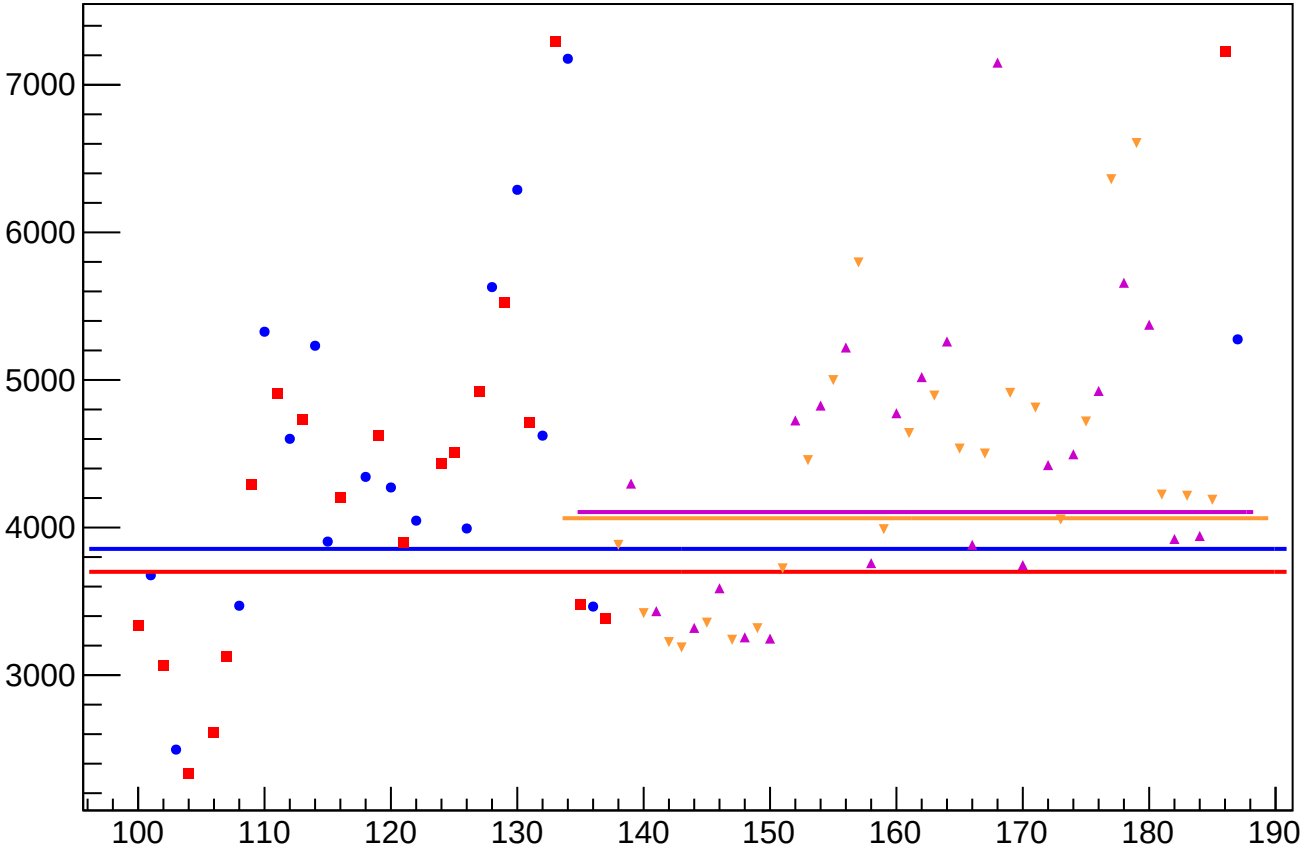
\+ sign 1846.633+/-0.254 χ^2/NDF: 733106.5/41

All: 1844.865+/-0.180 χ^2/NDF: 982187.8/84

\- sign 1843.067+/-0.256 χ^2/NDF: 248983.4/42


asym_atr_dd_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 977.486+/-1468.774 χ²/NDF: 13.9/16
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: -1356.537+/-1388.353 χ²/NDF: 22.0/19
Left In: -75.789+/-980.241 χ²/NDF:15.4/22
+ sign -163.525+/-795.828 χ²/NDF: 40.8/41
All: -331.642+/-564.472 χ²/NDF: 78.9/84
- sign -501.851+/-800.764 χ²/NDF: 38.0/42

asym_atr_dd_cor_correction_rms vs Slug



Right In: 3855.382+/-1.039 χ^2/NDF: 983549.3/16

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3699.978+/-0.982 χ^2/NDF: 1323744.8/19

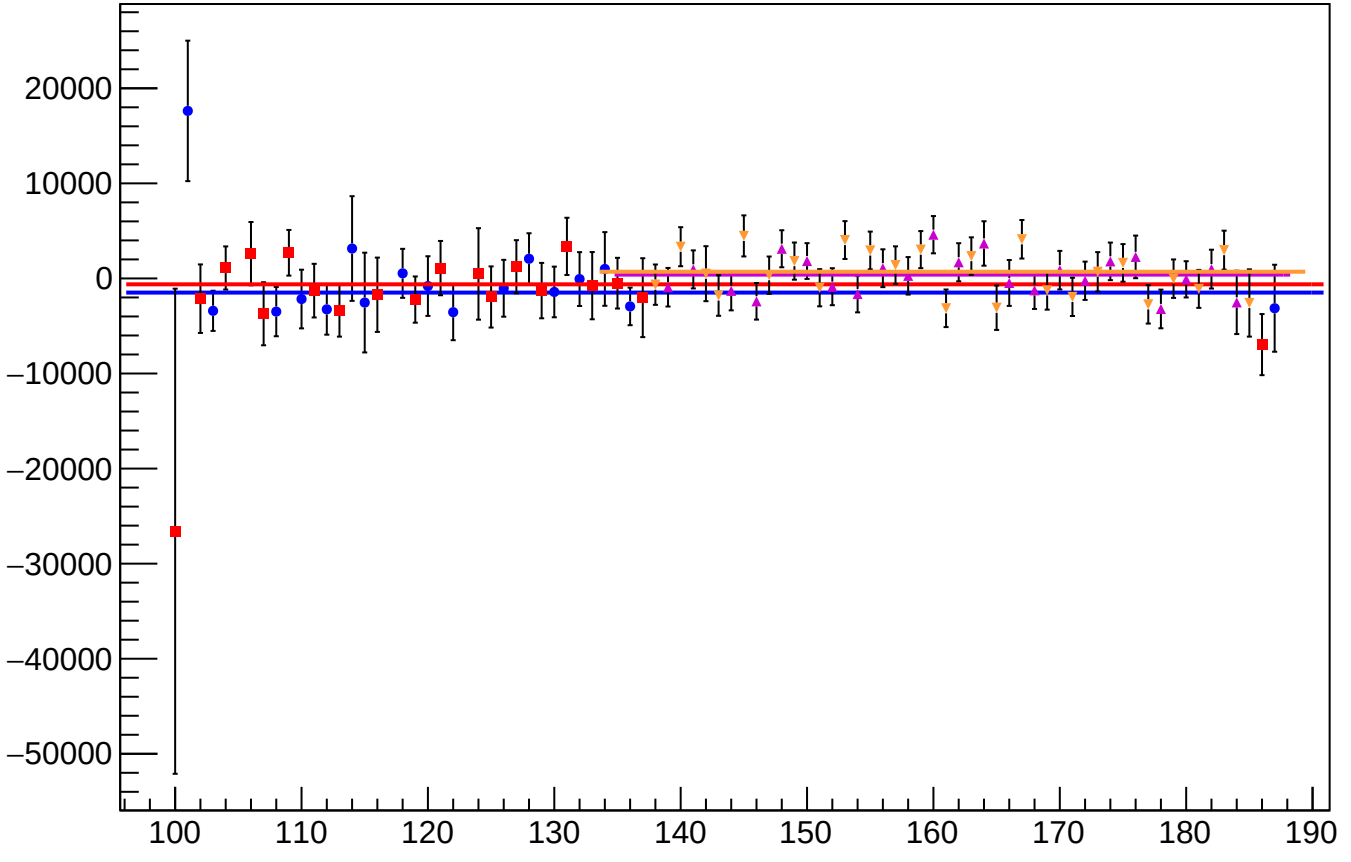
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4002.122+/-0.563 χ^2/NDF: 2416838.7/41

All: 3986.307+/-0.399 χ^2/NDF: 5215290.1/84

- sign 3970.296+/-0.566 χ^2/NDF: 2796862.0/42

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1488.067+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -619.595+/-687.306 χ^2/NDF: 14.0/19

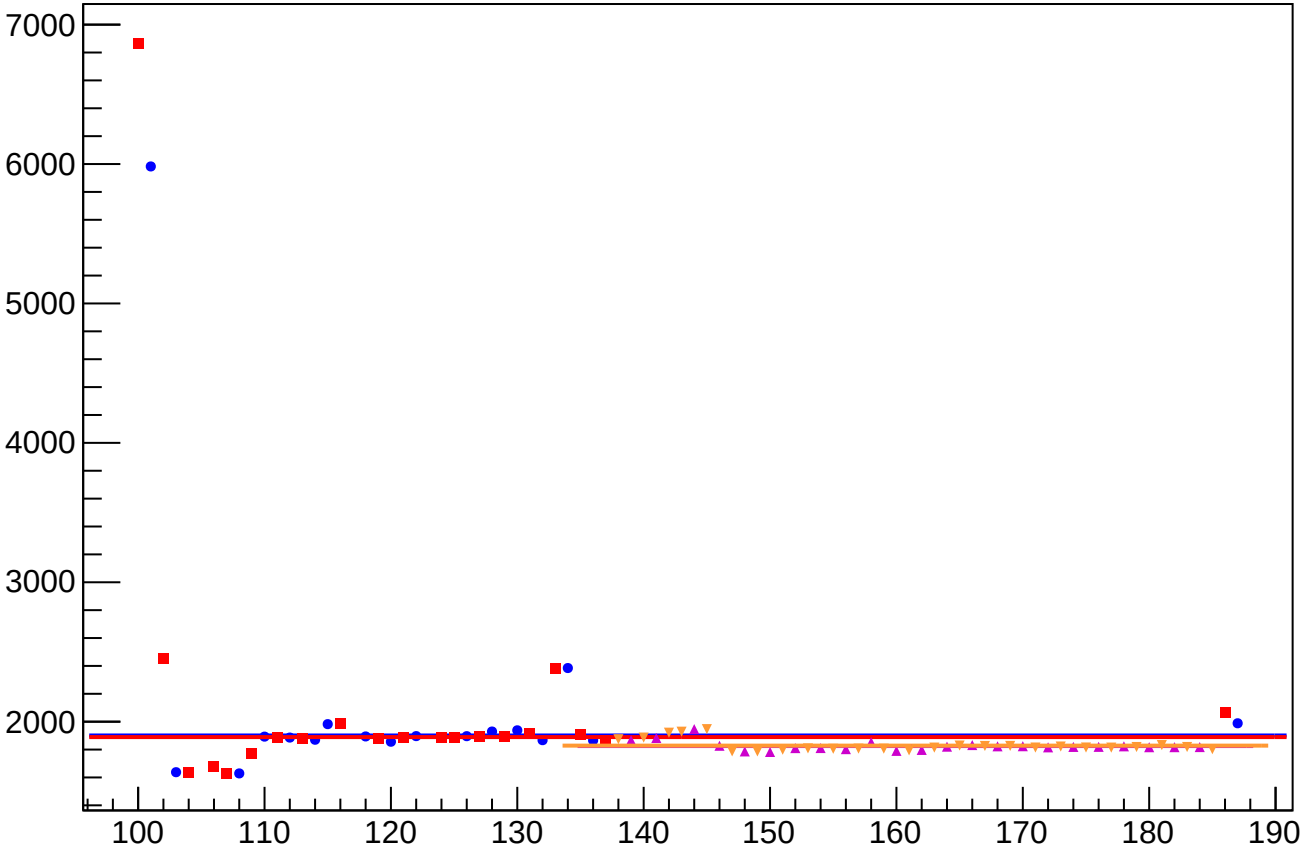
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 151.355+/-359.078 χ^2/NDF: 52.6/41

All: 135.301+/-255.011 χ^2/NDF: 88.9/84

- sign 118.965+/-362.221 χ^2/NDF: 36.3/42

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.8/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

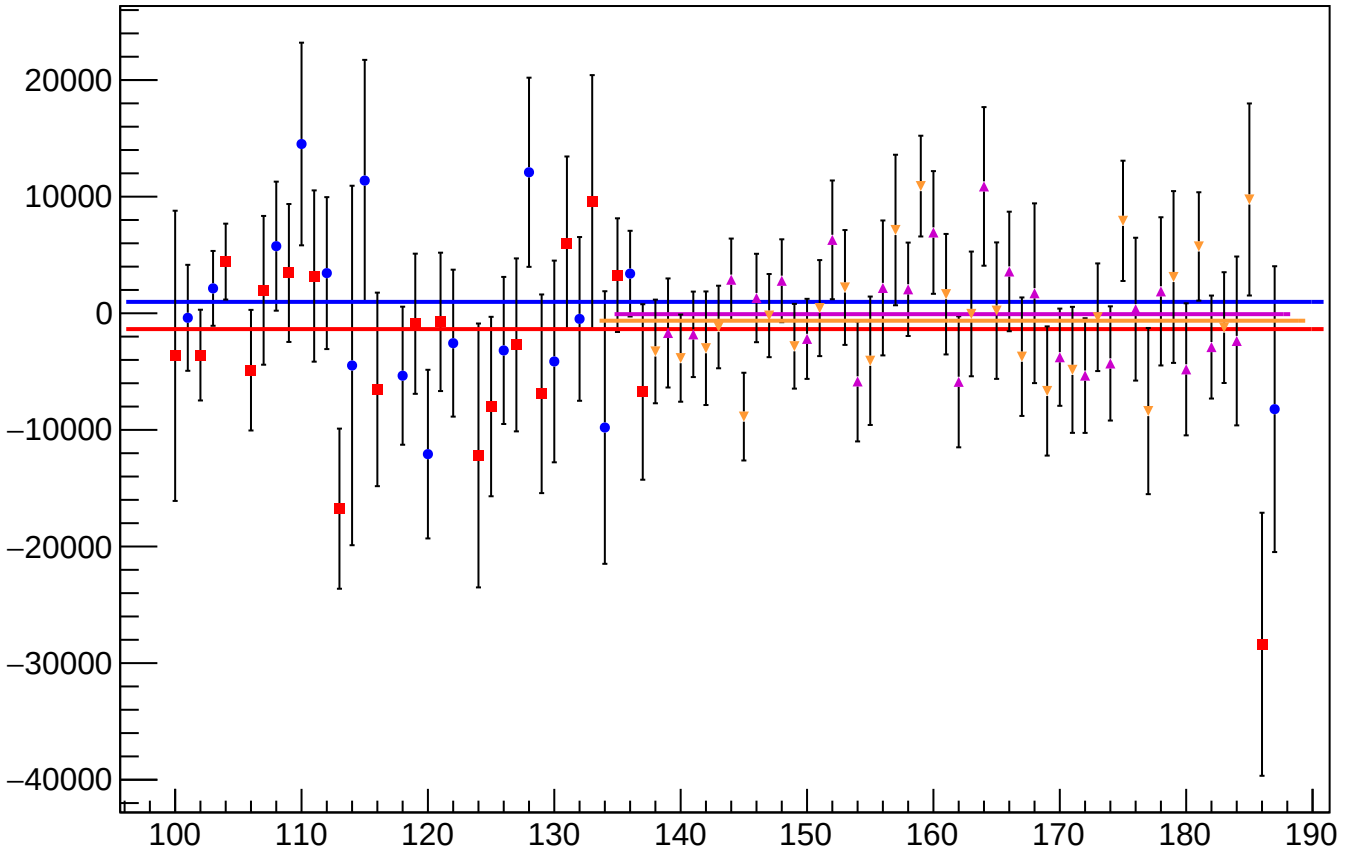
Right Out: 1889.483+/-0.485 χ^2/NDF: 222946.0/19

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

\+ sign 1846.633+/-0.254 χ^2/NDF: 733106.5/41

All: 1844.865+/-0.180 χ^2/NDF: 982187.8/84

\- sign 1843.067+/-0.256 χ^2/NDF: 248983.4/42



Right In: 977.486+/-1468.774 χ^2/NDF: 13.9/16

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

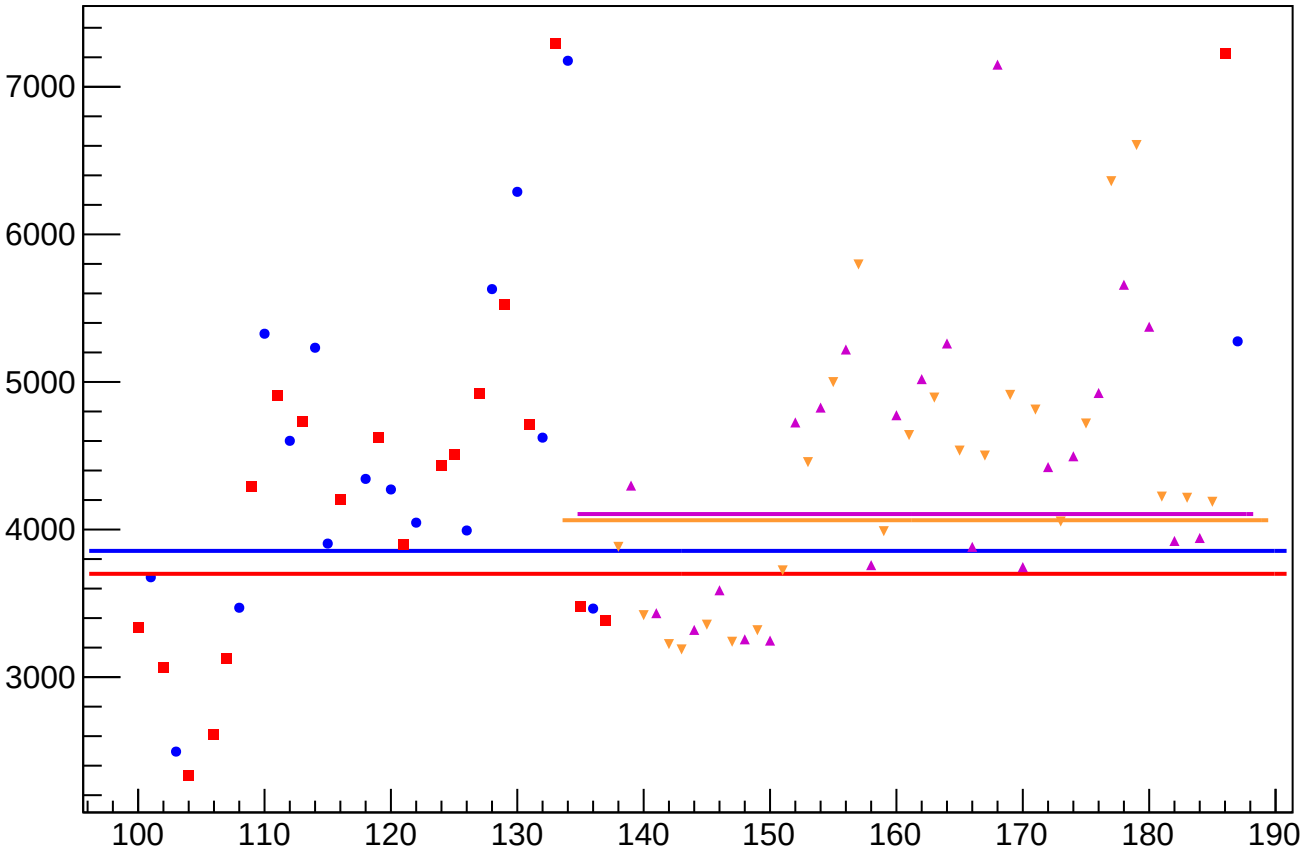
Right Out: -1356.537+/-1388.353 χ^2/NDF: 22.0/19

Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -163.525+/-795.828 χ^2/NDF: 40.8/41

All: -331.642+/-564.472 χ^2/NDF: 78.9/84

- sign -501.851+/-800.764 χ^2/NDF: 38.0/42



Right In: 3855.382+/-1.039 χ^2/NDF: 983549.3/16

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3699.978+/-0.982 χ^2/NDF: 1323744.8/19

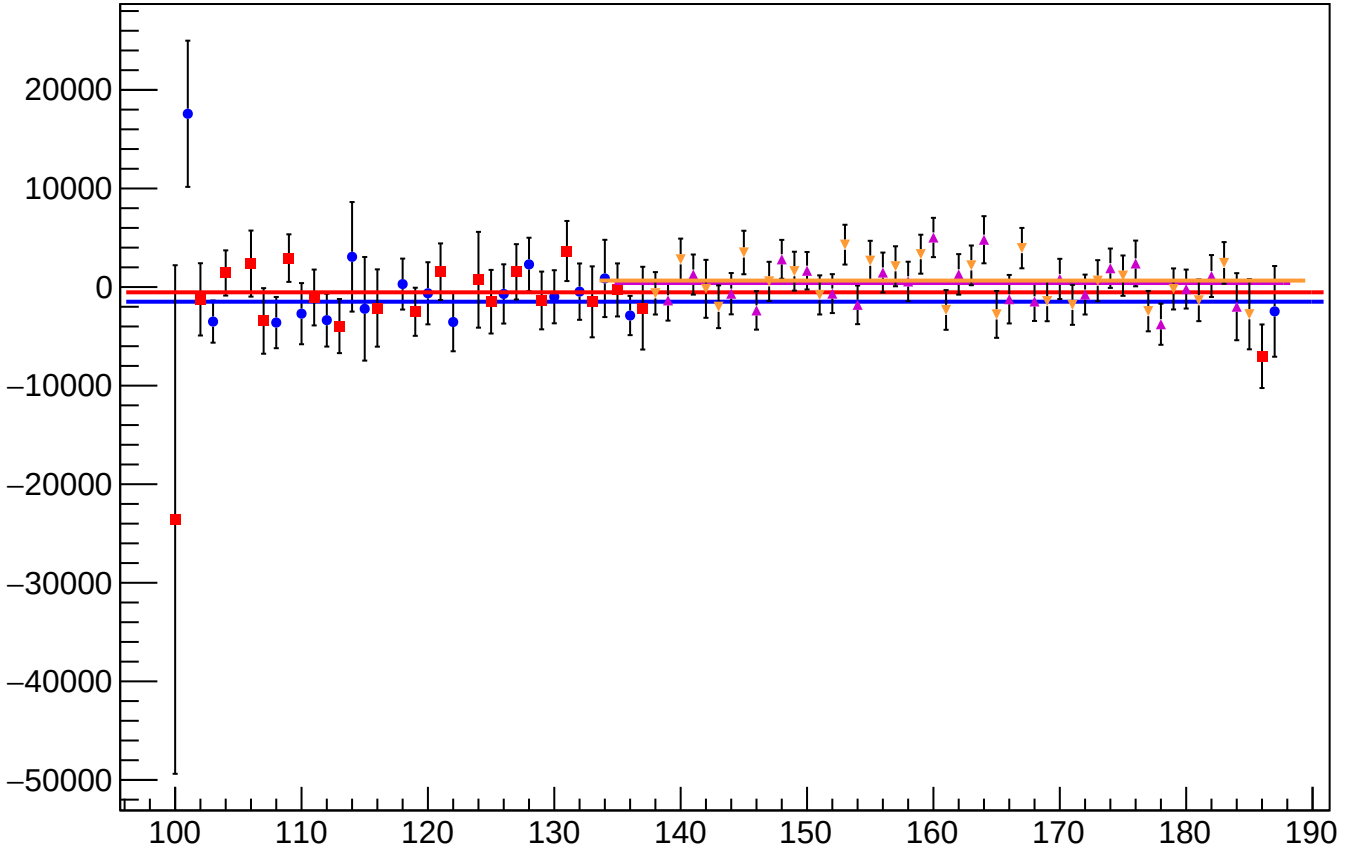
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4002.122+/-0.563 χ^2/NDF: 2416838.7/41

All: 3986.307+/-0.399 χ^2/NDF: 5215290.1/84

- sign 3970.296+/-0.566 χ^2/NDF: 2796862.0/42

dit_asym_atr_dd_mean vs Slug



Right In: -1487.177+/-719.317 χ^2/NDF: 13.6/16

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -533.146+/-692.323 χ^2/NDF: 15.0/19

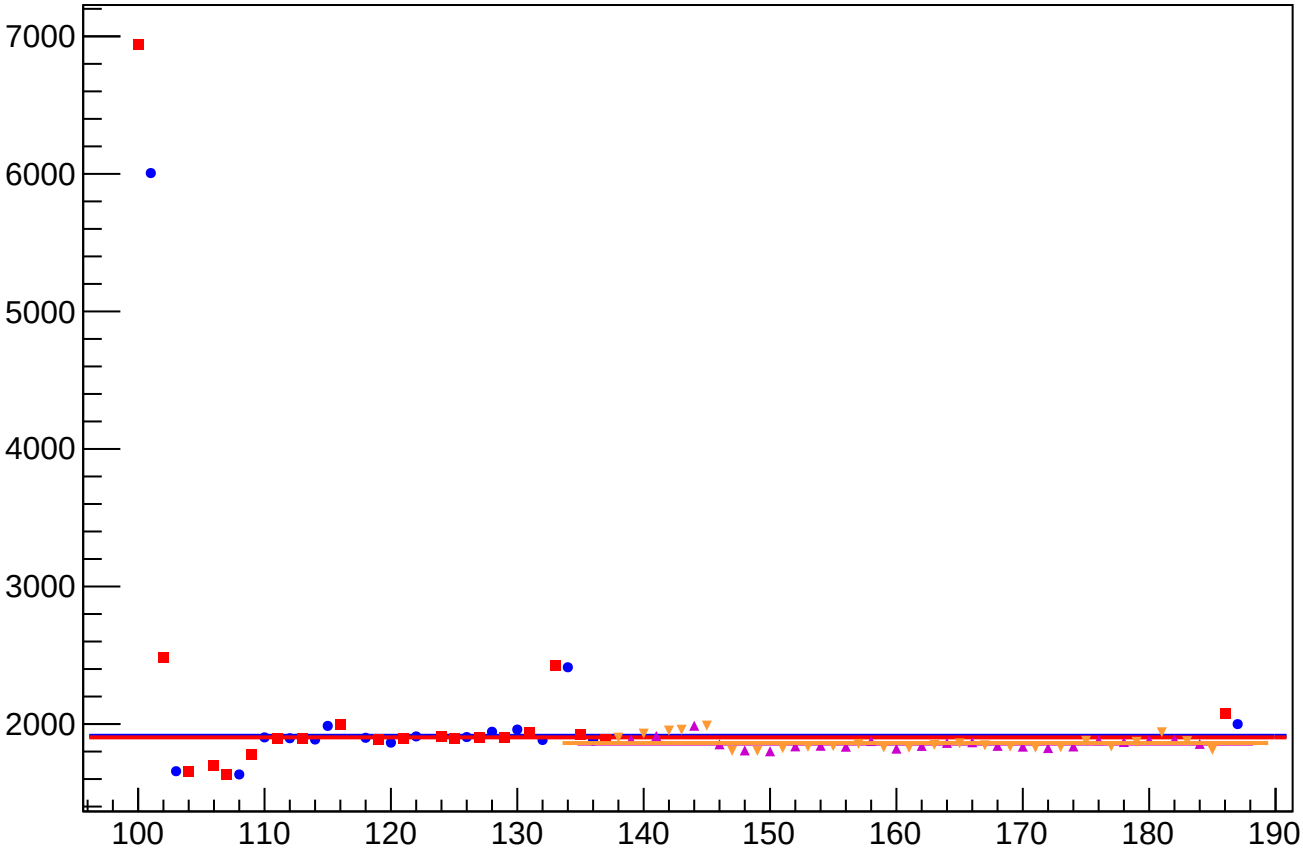
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 106.381+/-364.667 χ^2/NDF: 47.3/41

All: 125.375+/-258.901 χ^2/NDF: 87.3/84

- sign 144.679+/-367.633 χ^2/NDF: 40.0/42

dit_asym_atr_dd_rms vs Slug



Right In: 1914.506+/-0.509 χ^2/NDF: 696918.8/16

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1903.033+/-0.489 χ^2/NDF: 225709.1/19

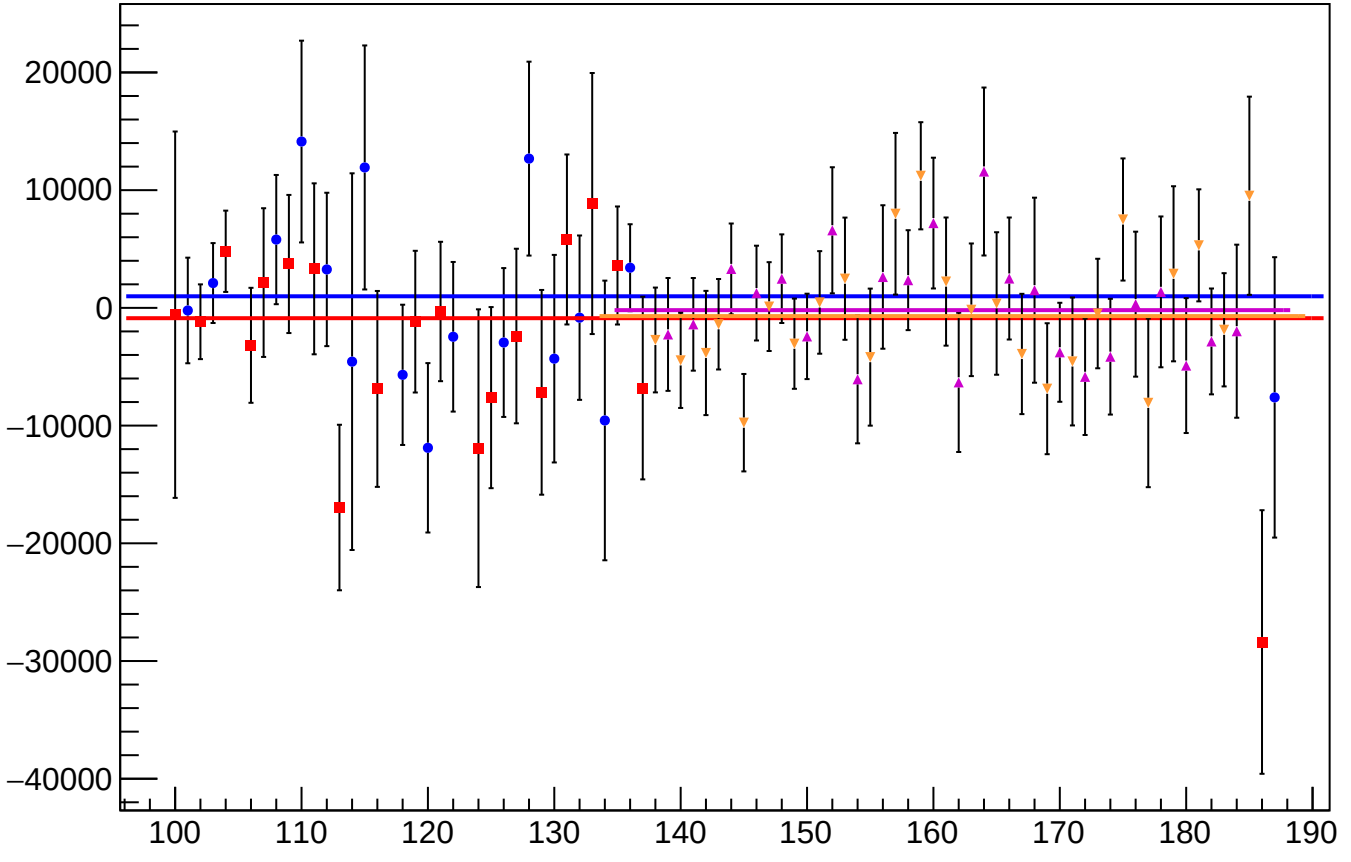
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1875.295+/-0.258 χ^2/NDF: 730932.9/41

All: 1872.903+/-0.183 χ^2/NDF: 979373.3/84

- sign 1870.473+/-0.260 χ^2/NDF: 248266.9/42

asym_atr_dd_dit_correction_mean vs Slug



Right In: 984.358+/-1485.968 χ^2/NDF: 14.0/16

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -876.726+/-1360.657 χ^2/NDF: 21.1/19

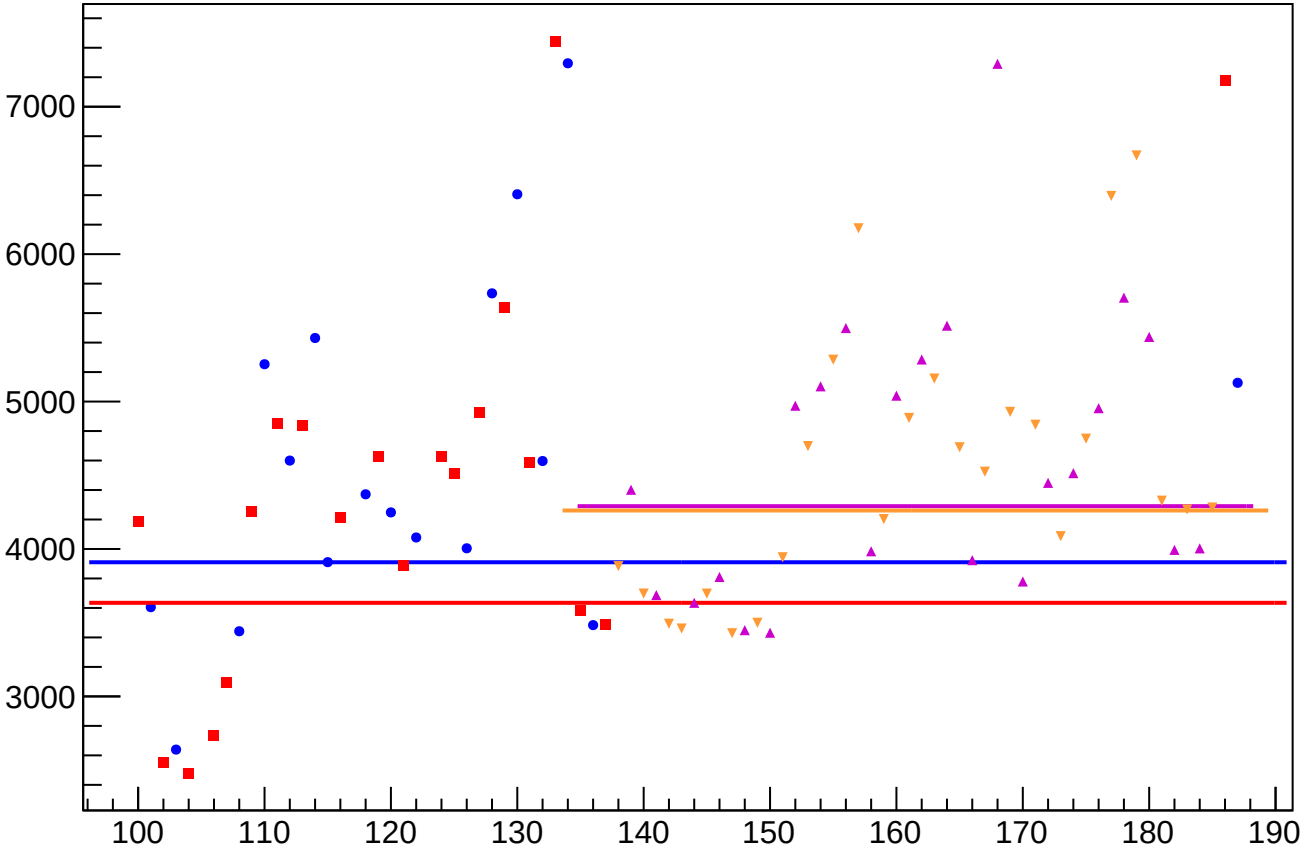
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -180.992+/-823.915 χ^2/NDF: 40.2/41

All: -311.232+/-580.281 χ^2/NDF: 76.7/84

- sign -439.423+/-817.405 χ^2/NDF: 36.5/42

asym_atr_dd_dit_correction_rms vs Slug



Right In: 3909.956+/-1.051 χ^2/NDF: 899639.8/16

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

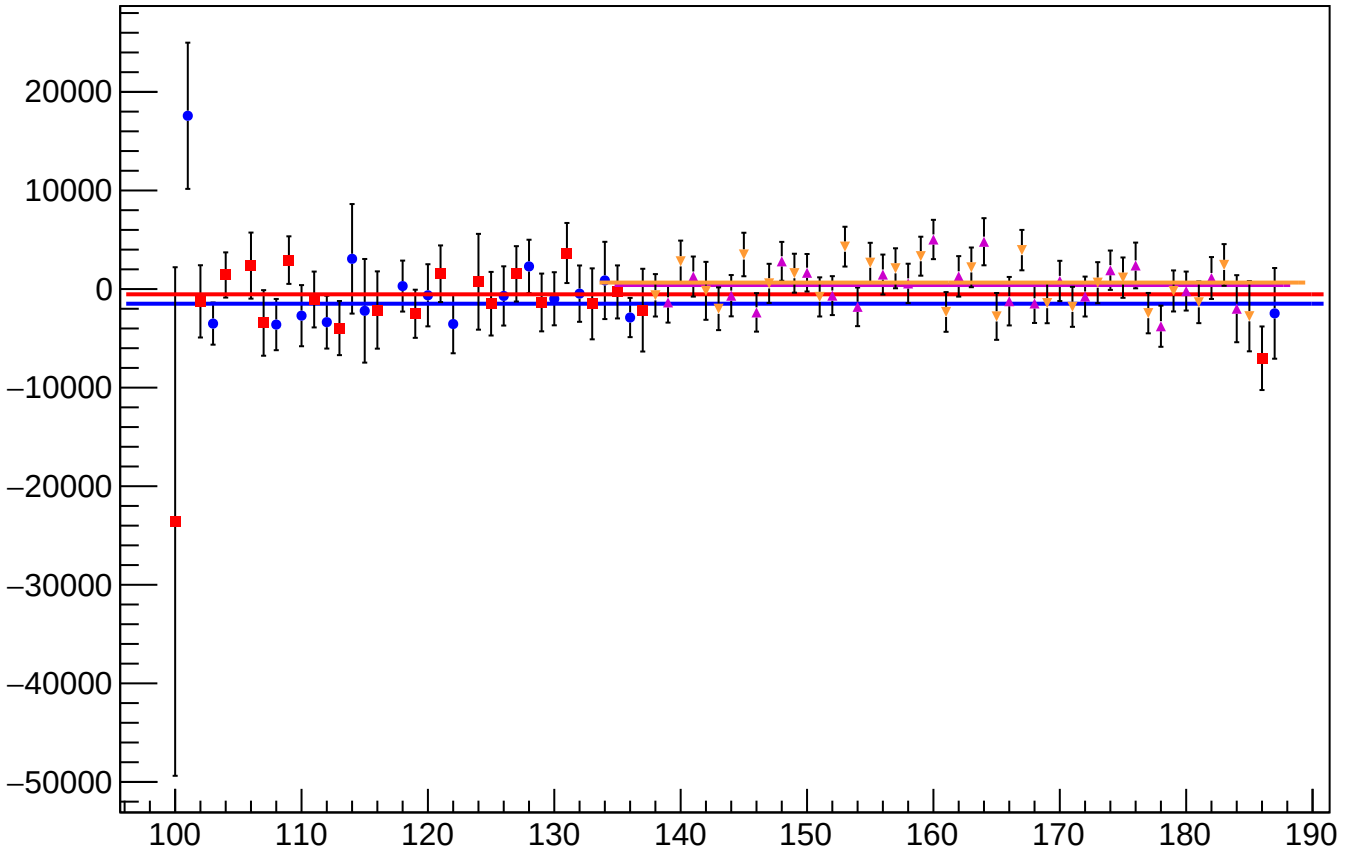
Right Out: 3634.853+/-0.962 χ^2/NDF: 1424839.1/19

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4153.164+/-0.583 χ^2/NDF: 2167559.1/41

All: 4103.097+/-0.410 χ^2/NDF: 5117713.3/84

- sign 4053.817+/-0.578 χ^2/NDF: 2935499.4/42



Right In: -1487.183+/-719.317 χ^2/NDF: 13.6/16

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -533.135+/-692.323 χ^2/NDF: 15.0/19

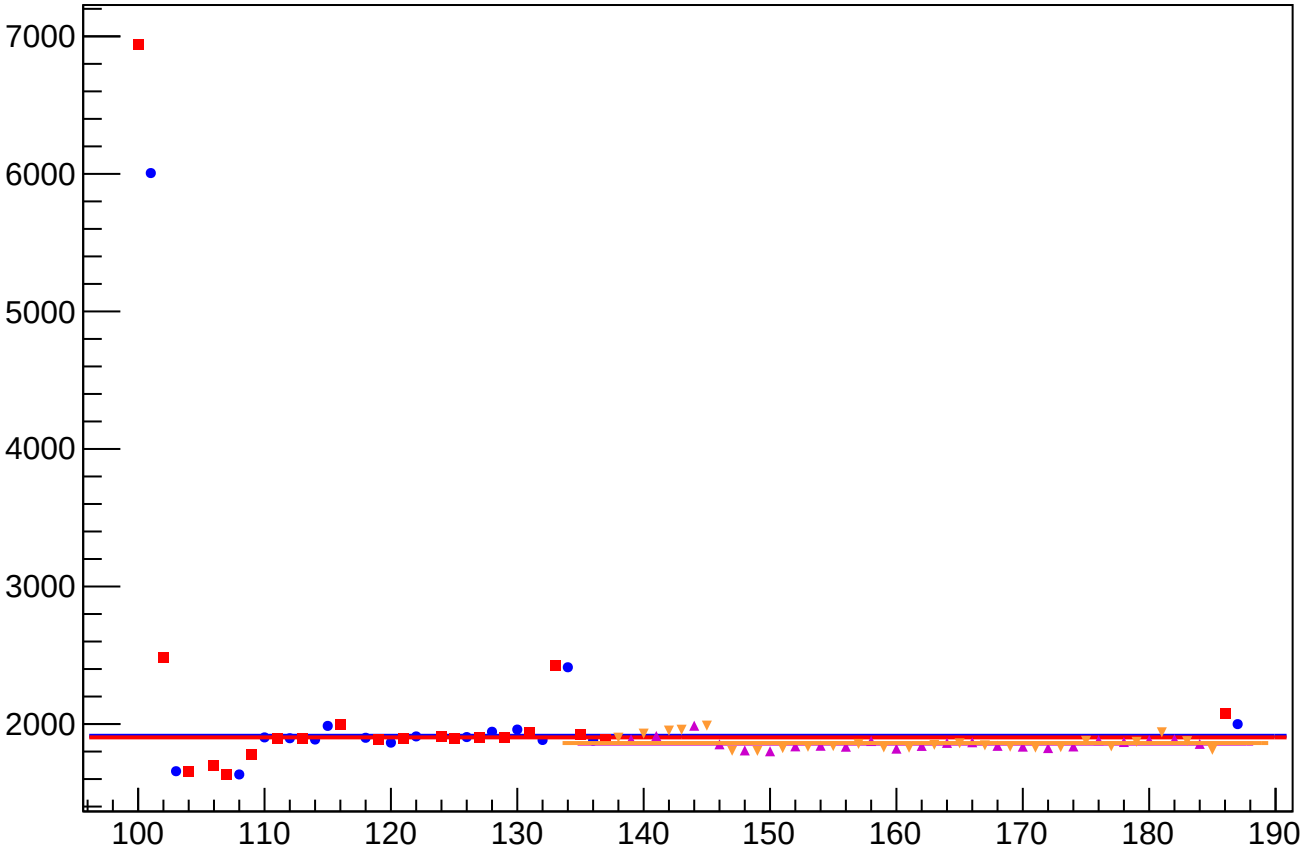
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 106.383+/-364.667 χ^2/NDF: 47.3/41

All: 125.377+/-258.901 χ^2/NDF: 87.3/84

- sign 144.682+/-367.633 χ^2/NDF: 40.0/42

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1914.506+/-0.509 χ^2/NDF: 696918.7/16

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

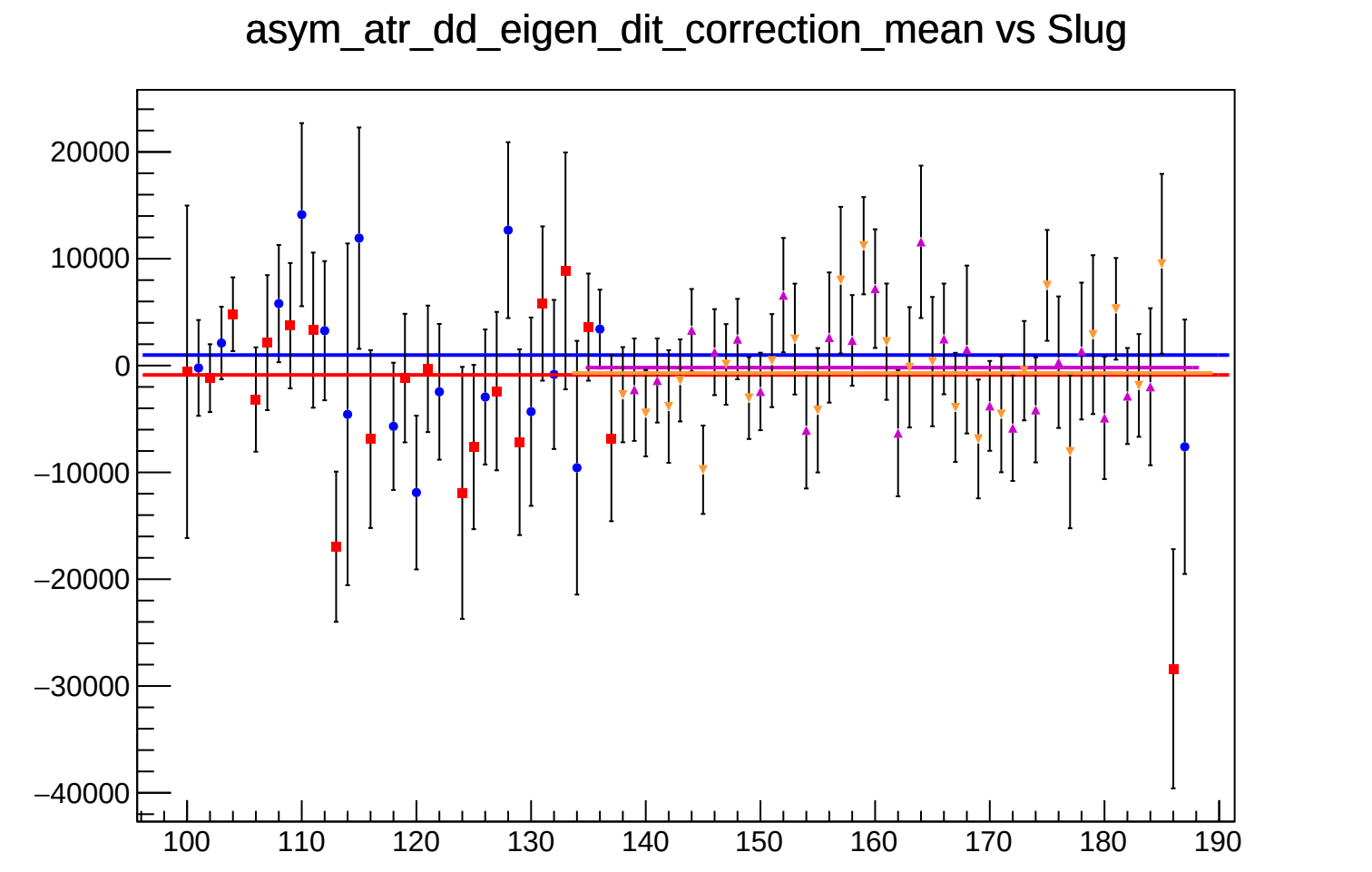
Right Out: 1903.033+/-0.489 χ^2/NDF: 225709.2/19

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1875.295+/-0.258 χ^2/NDF: 730932.5/41

All: 1872.903+/-0.183 χ^2/NDF: 979372.7/84

- sign 1870.474+/-0.260 χ^2/NDF: 248266.7/42



Right In: 984.345+/-1485.967 χ^2/NDF: 14.0/16

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -876.726+/-1360.656 χ^2/NDF: 21.1/19

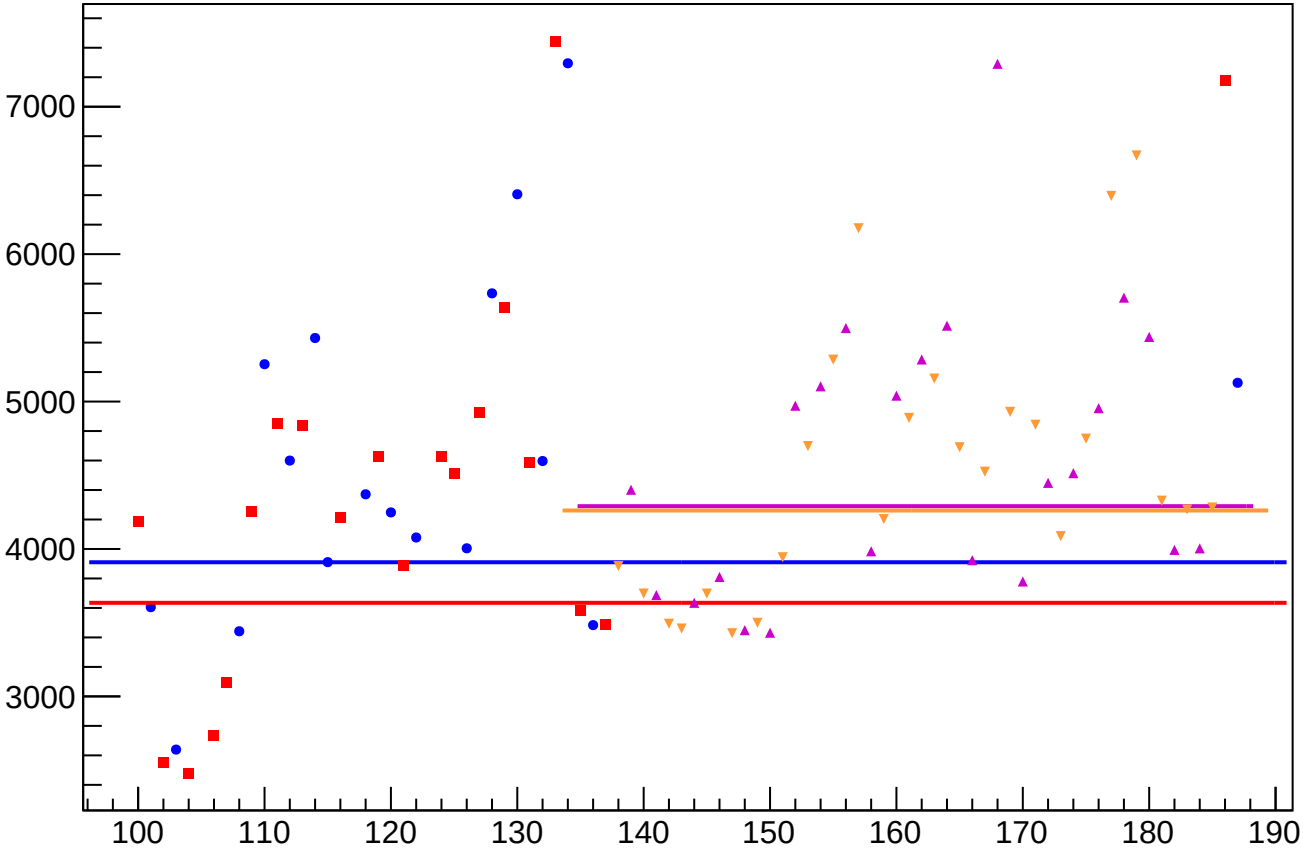
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -180.993+/-823.916 χ^2/NDF: 40.2/41

All: -311.234+/-580.281 χ^2/NDF: 76.7/84

- sign -439.425+/-817.406 χ^2/NDF: 36.5/42

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 3909.953+/-1.051 χ^2/NDF: 899631.3/16

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

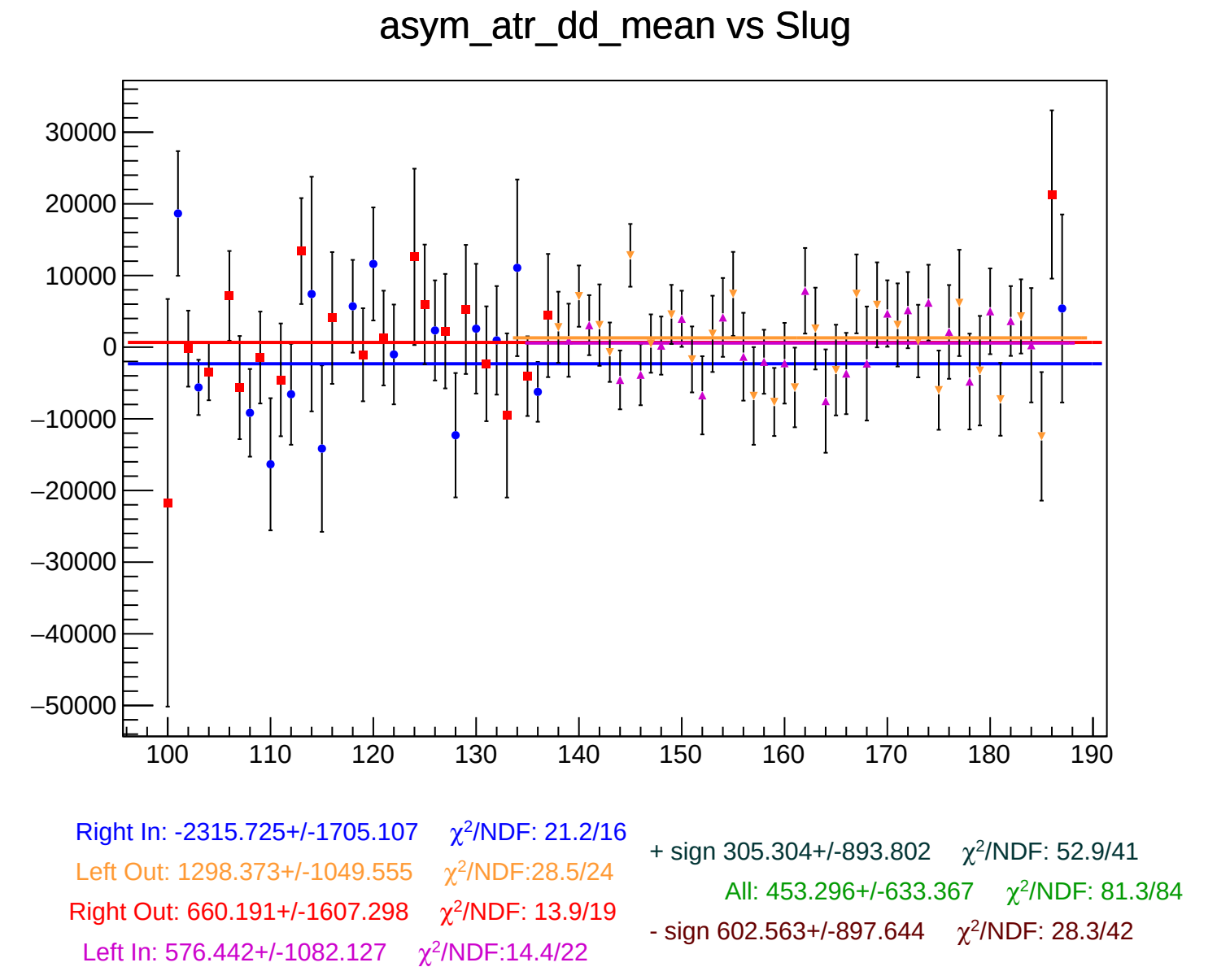
Right Out: 3634.850+/-0.962 χ^2/NDF: 1424829.7/19

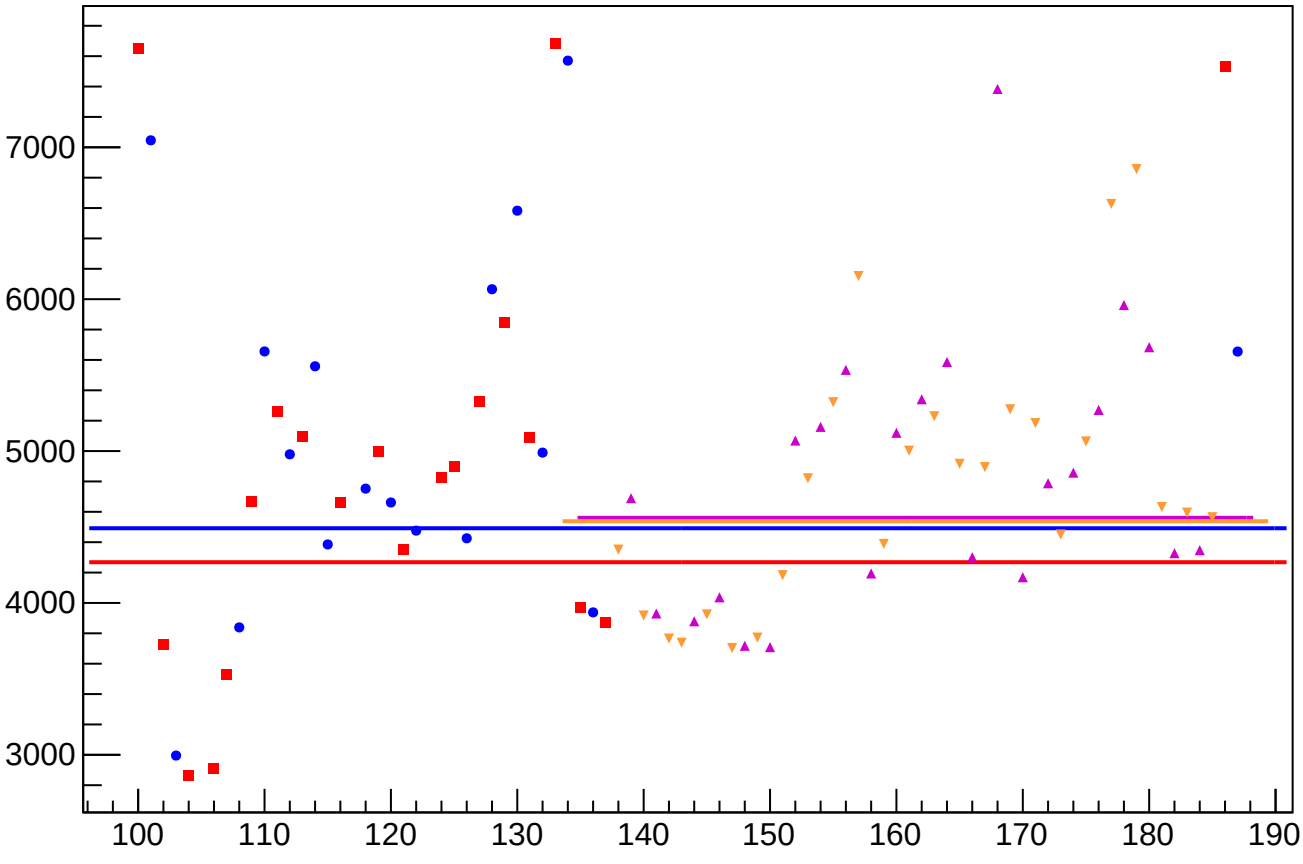
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4153.168+/-0.583 χ^2/NDF: 2167557.6/41

All: 4103.100+/-0.410 χ^2/NDF: 5117717.2/84

- sign 4053.819+/-0.578 χ^2/NDF: 2935504.5/42


asym_atr_dd_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -2315.725+/-1705.107 χ²/NDF: 21.2/16
Left Out: 1298.373+/-1049.555 χ²/NDF:28.5/24
Right Out: 660.191+/-1607.298 χ²/NDF: 13.9/19
Left In: 576.442+/-1082.127 χ²/NDF:14.4/22
+ sign 305.304+/-893.802 χ²/NDF: 52.9/41
All: 453.296+/-633.367 χ²/NDF: 81.3/84
- sign 602.563+/-897.644 χ²/NDF: 28.3/42



Right In: 4491.894+/-1.206 χ^2/NDF: 907675.6/16

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4268.178+/-1.127 χ^2/NDF: 1003721.5/19

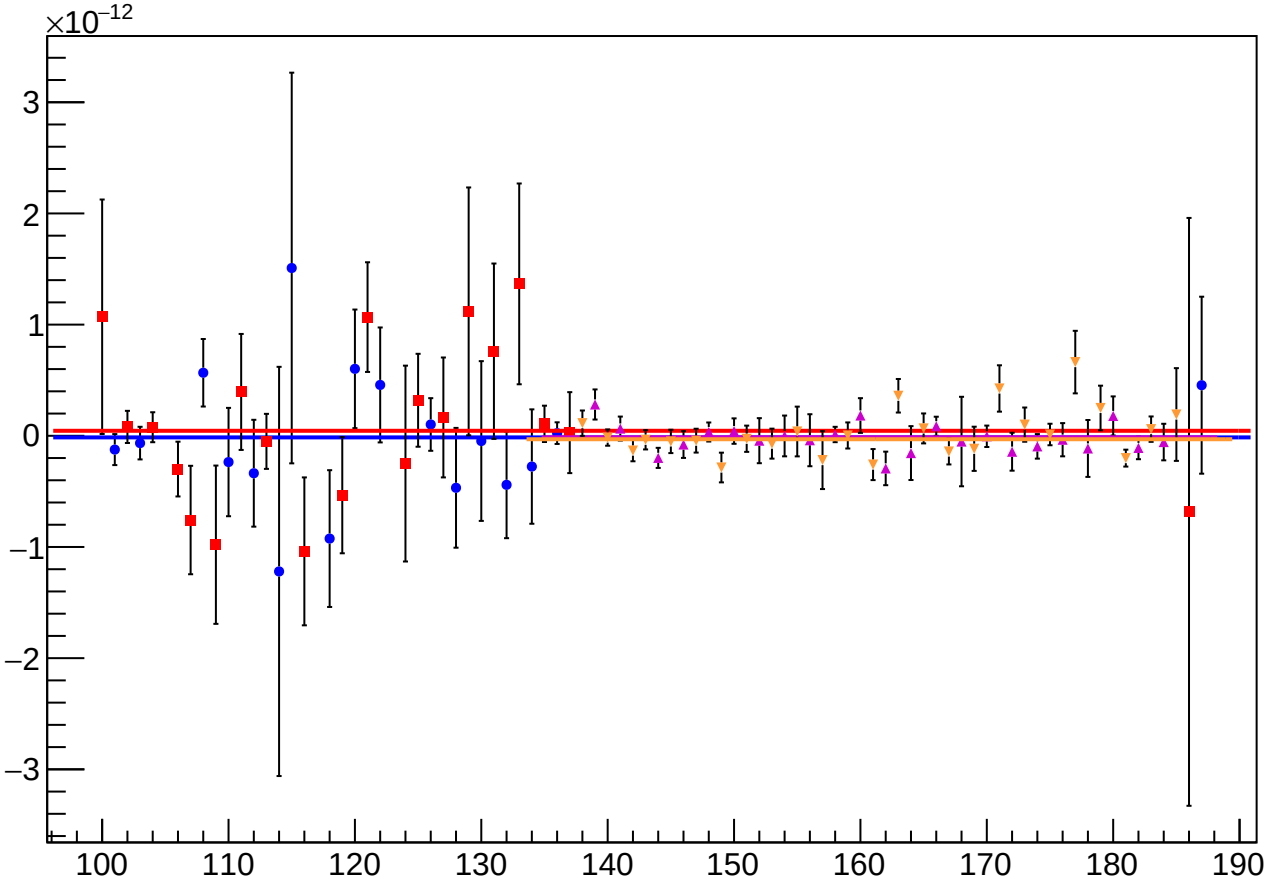
Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4525.283+/-0.632 χ^2/NDF: 1901638.5/41

All: 4496.851+/-0.447 χ^2/NDF: 3935644.2/84

- sign 4468.317+/-0.633 χ^2/NDF: 2029950.8/42

asym_atr_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

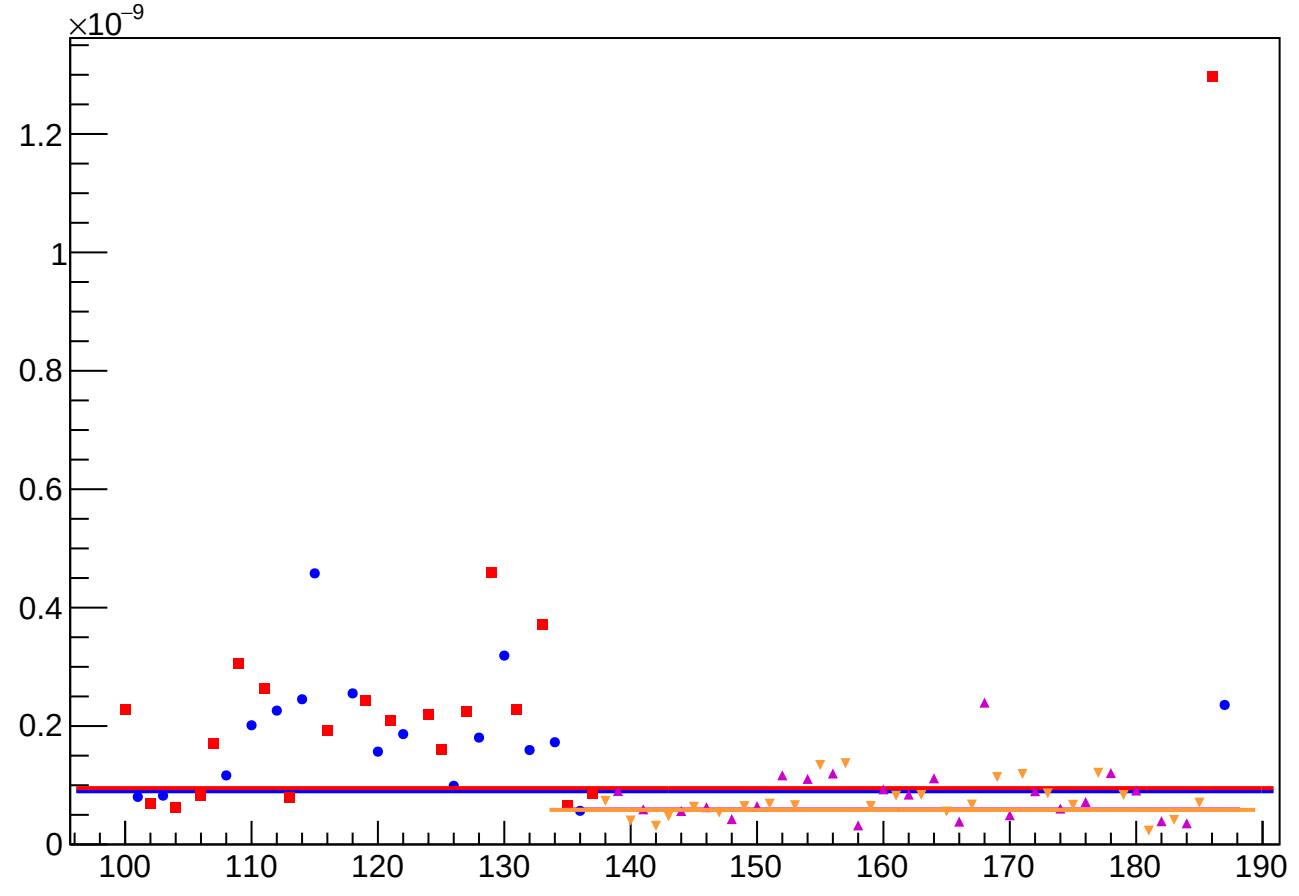
Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/19

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.1/41

All: -0.000+/-0.000 χ^2/NDF: 94.1/84

- sign -0.000+/-0.000 χ^2/NDF: 42.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 1297753.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2108316.6/19

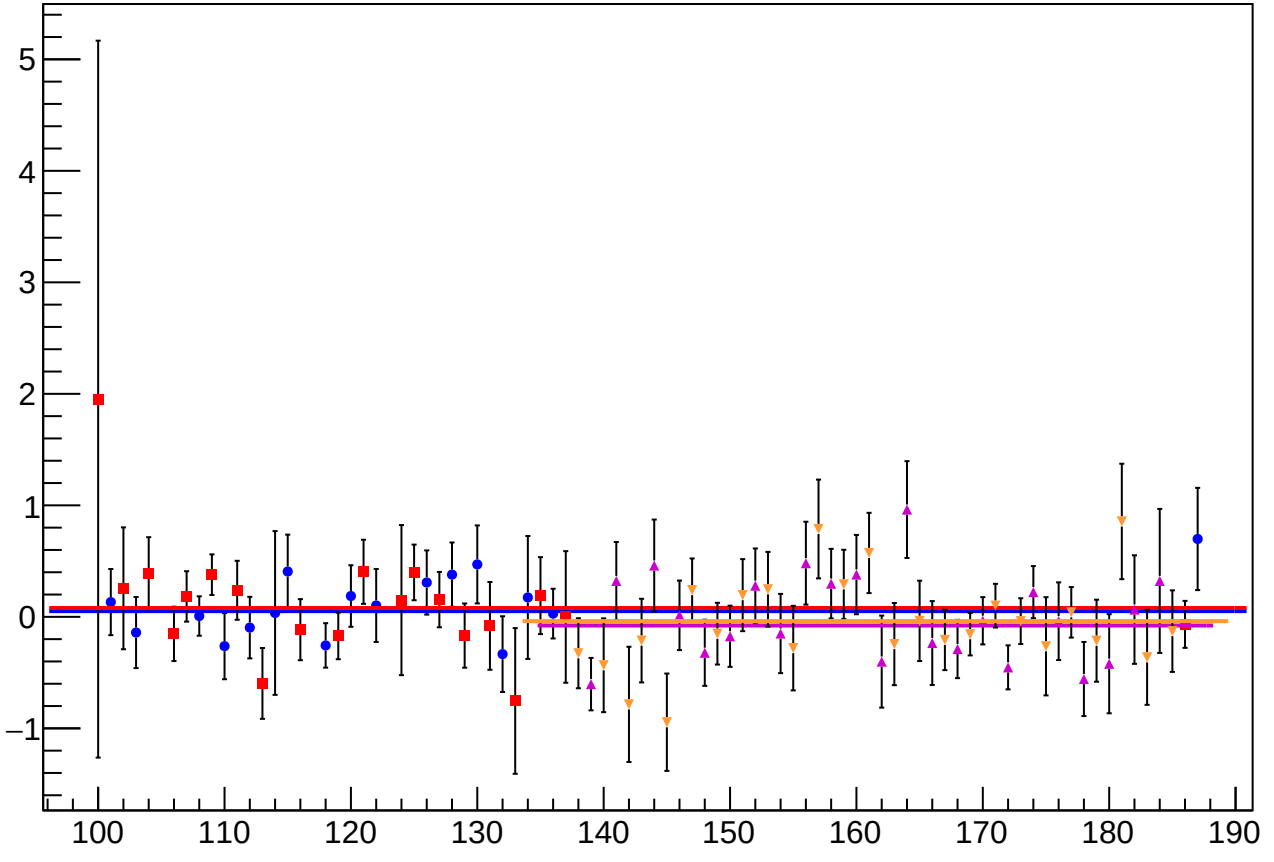
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3686136.8/41

All: 0.000+/-0.000 χ^2/NDF: 8392009.1/84

- sign 0.000+/-0.000 χ^2/NDF: 4704430.6/42

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.079+/-0.064 χ^2/NDF: 18.2/19

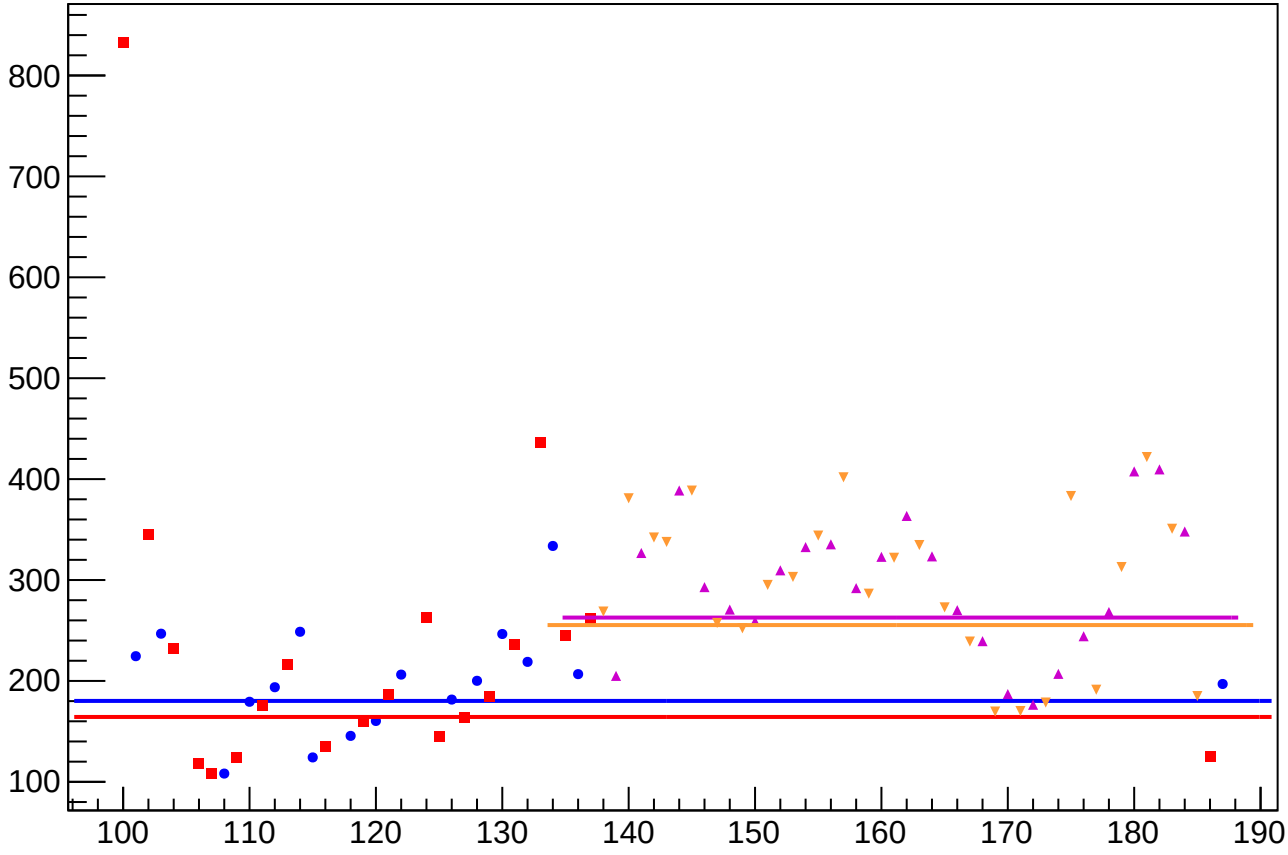
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.046 χ^2/NDF: 37.9/41

All: 0.001+/-0.033 χ^2/NDF: 90.1/84

- sign 0.001+/-0.046 χ^2/NDF: 52.2/42

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 180.194+/-0.049 χ^2/NDF: 921283.4/16

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 164.300+/-0.046 χ^2/NDF: 1485397.4/19

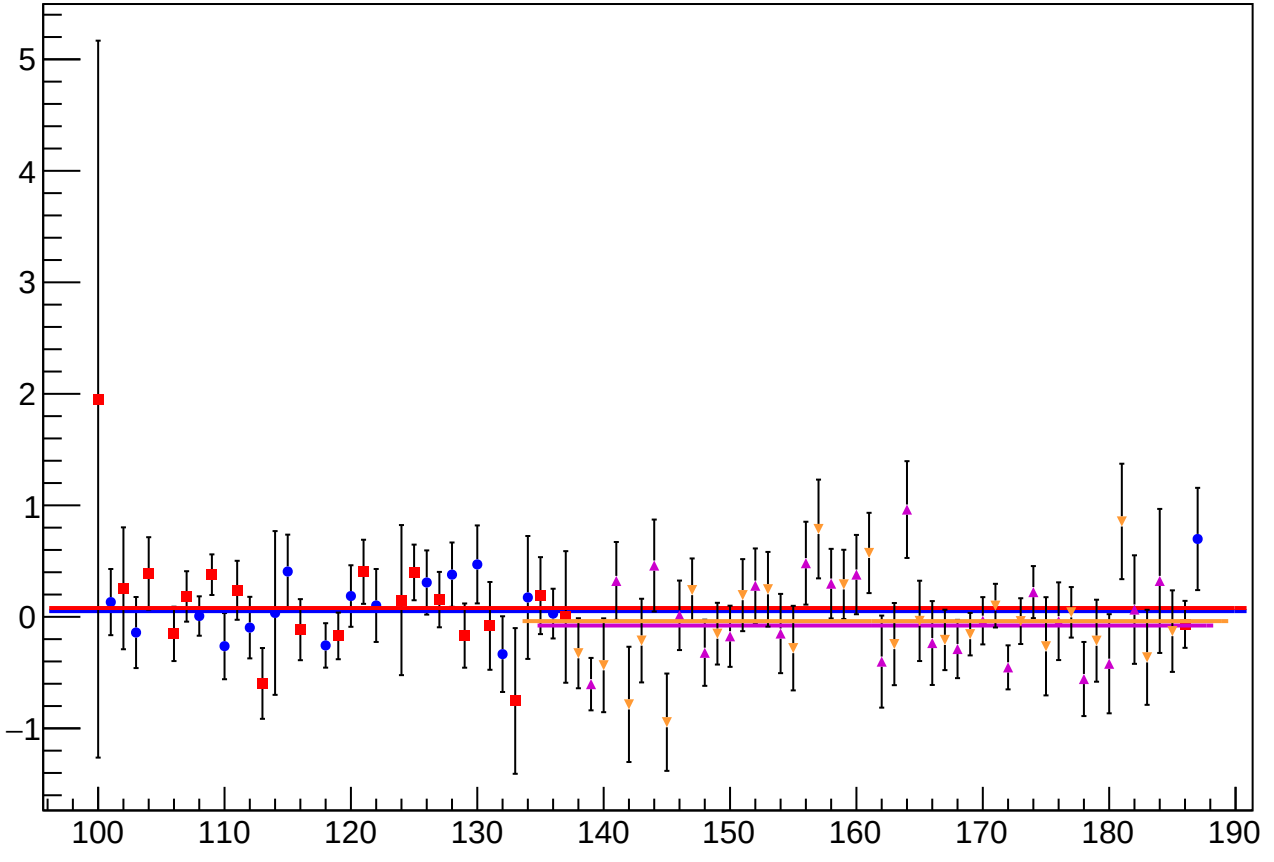
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.231+/-0.033 χ^2/NDF: 5155203.9/41

All: 217.642+/-0.023 χ^2/NDF: 11026120.2/84

- sign 213.171+/-0.032 χ^2/NDF: 5832140.5/42

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.079+/-0.064 χ^2/NDF: 18.2/19

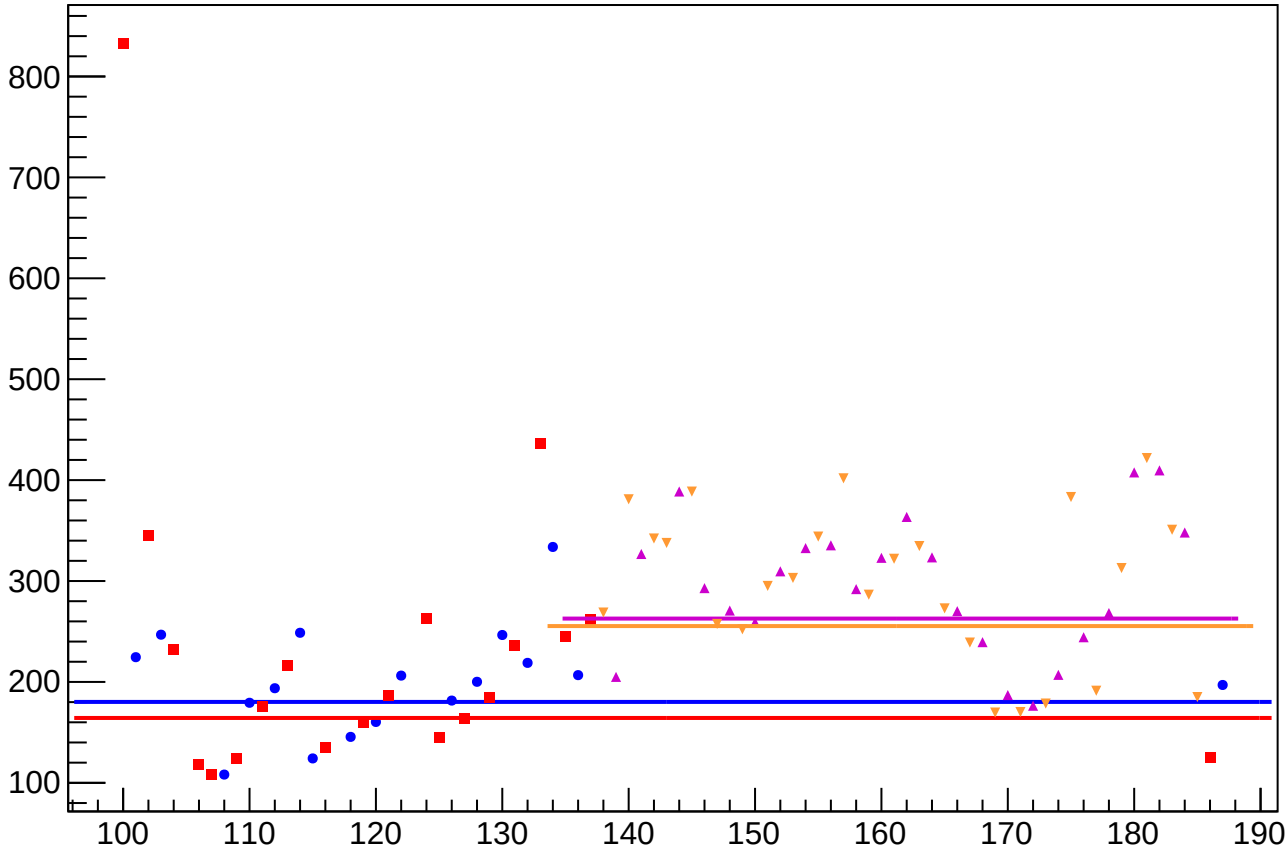
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.046 χ^2/NDF: 37.9/41

All: 0.001+/-0.033 χ^2/NDF: 90.1/84

- sign 0.001+/-0.046 χ^2/NDF: 52.2/42

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 180.194+/-0.049 χ^2/NDF: 921283.4/16

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

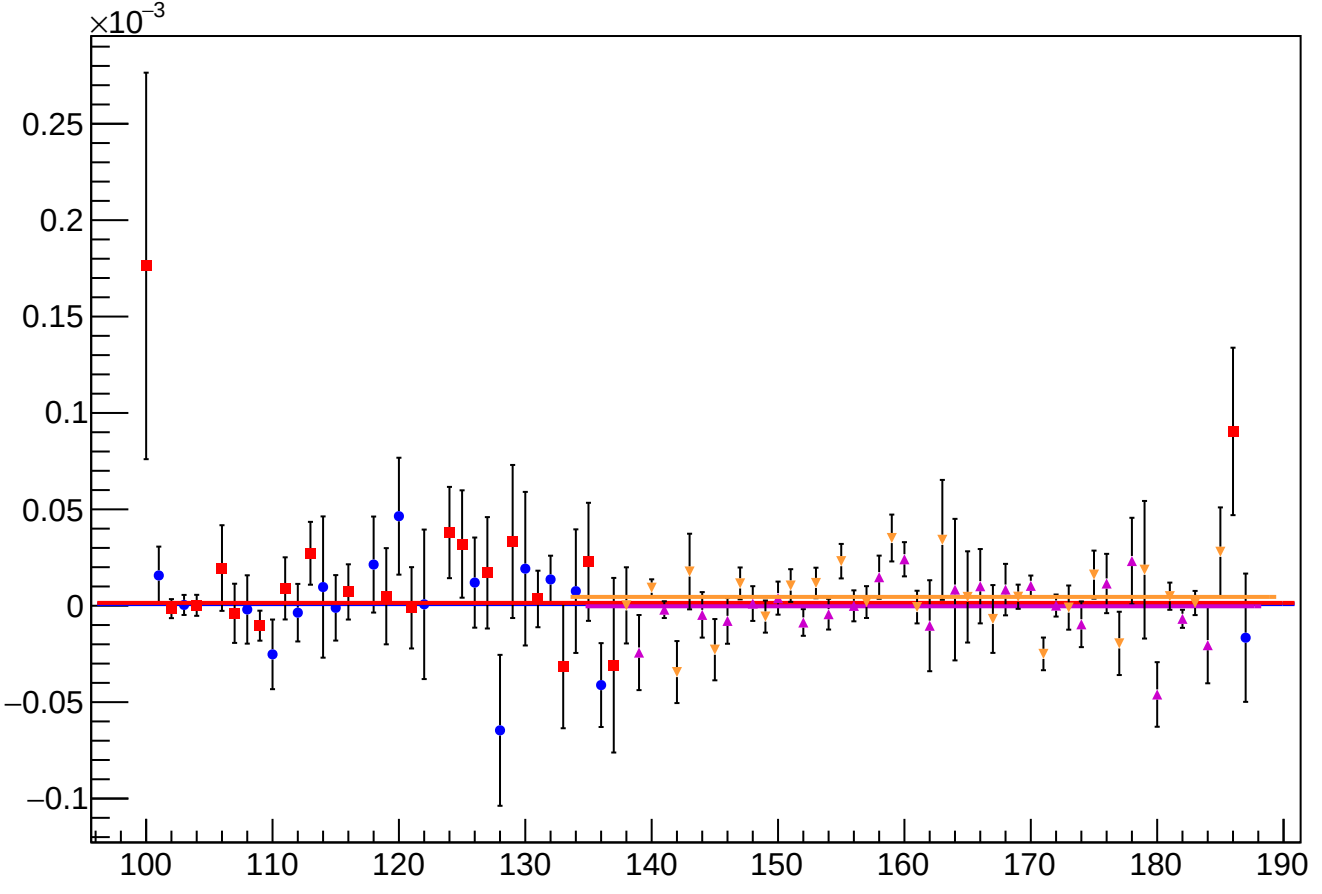
Right Out: 164.300+/-0.046 χ^2/NDF: 1485397.4/19

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 222.231+/-0.033 χ^2/NDF: 5155203.9/41

All: 217.642+/-0.023 χ^2/NDF: 11026120.2/84

- sign 213.171+/-0.032 χ^2/NDF: 5832140.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

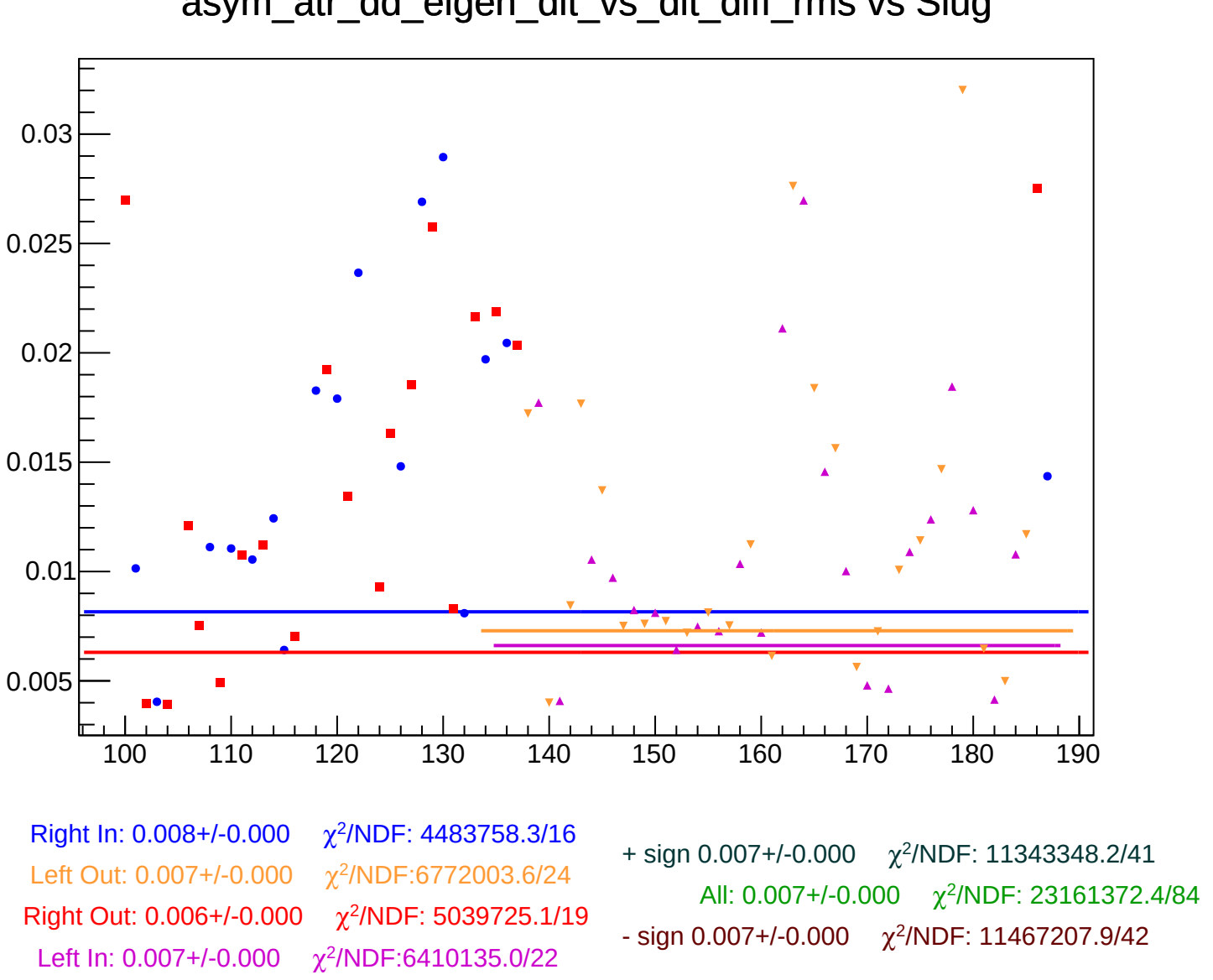
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/19

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

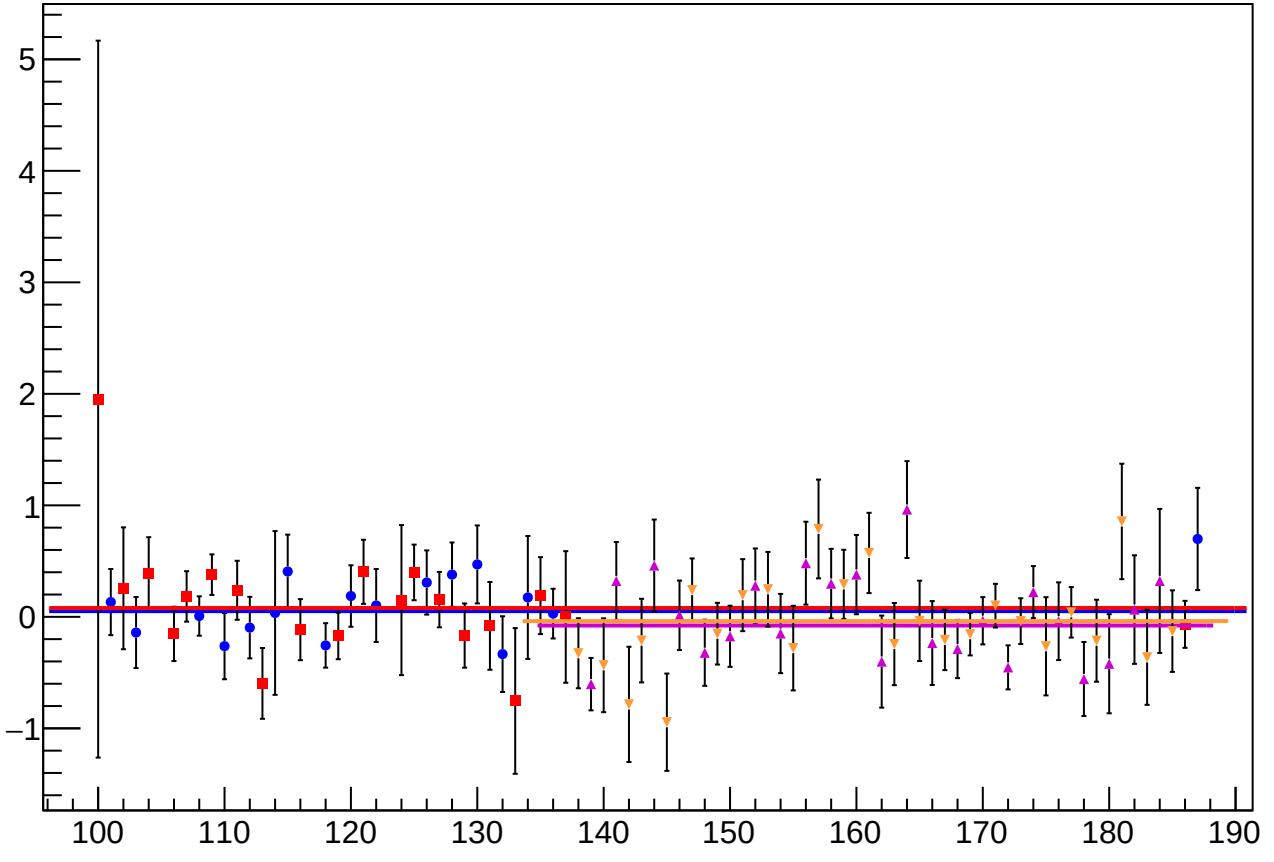
+ sign 0.000+/-0.000 χ^2/NDF: 58.7/41

All: 0.000+/-0.000 χ^2/NDF: 113.0/84

- sign 0.000+/-0.000 χ^2/NDF: 51.7/42


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 4483758.3/16
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.006+/-0.000 χ²/NDF: 5039725.1/19
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.007+/-0.000 χ²/NDF: 11343348.2/41
All: 0.007+/-0.000 χ²/NDF: 23161372.4/84
- sign 0.007+/-0.000 χ²/NDF: 11467207.9/42

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

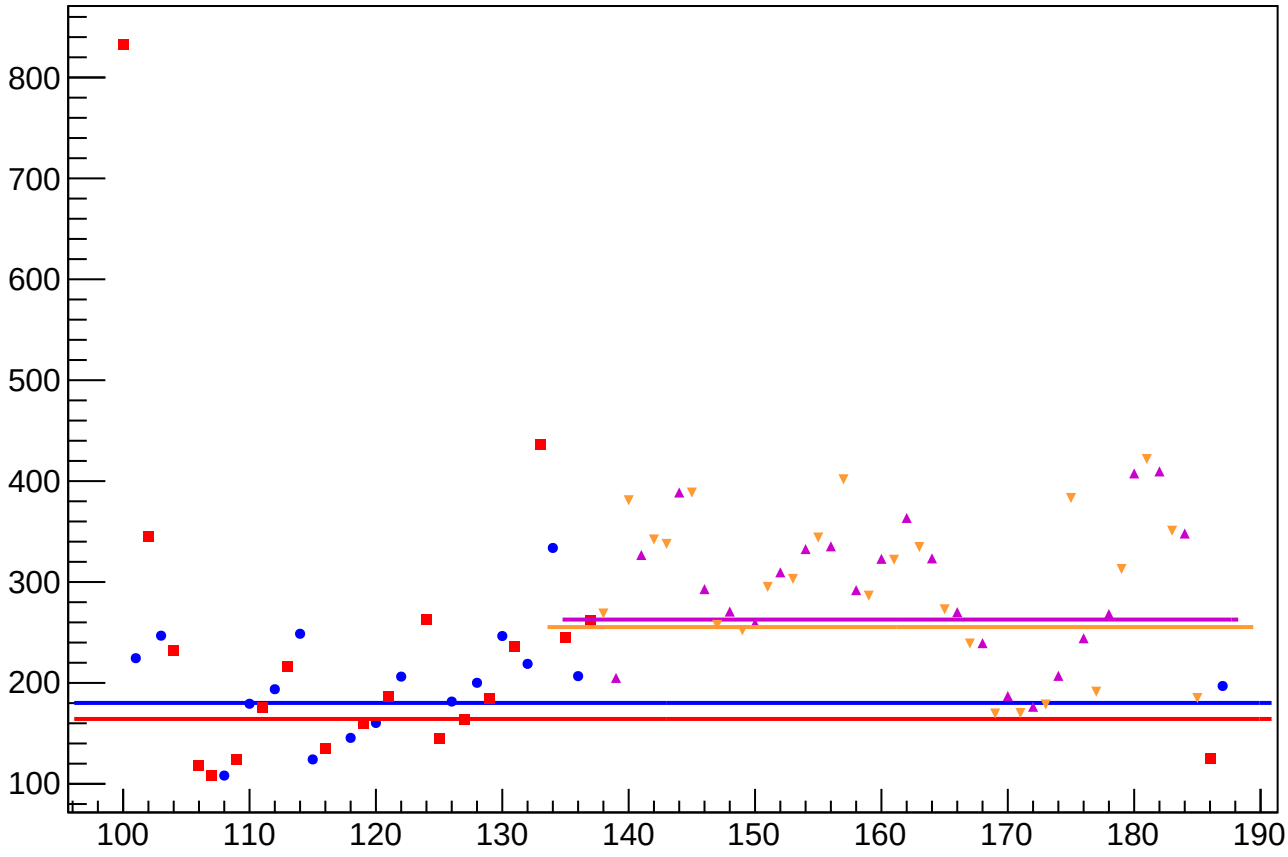
Right Out: 0.079+/-0.064 χ^2/NDF: 18.2/19

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.001+/-0.046 χ^2/NDF: 37.9/41

All: 0.001+/-0.033 χ^2/NDF: 90.1/84

- sign 0.001+/-0.046 χ^2/NDF: 52.2/42



Right In: 180.191+/-0.049 χ^2/NDF: 921329.8/16

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

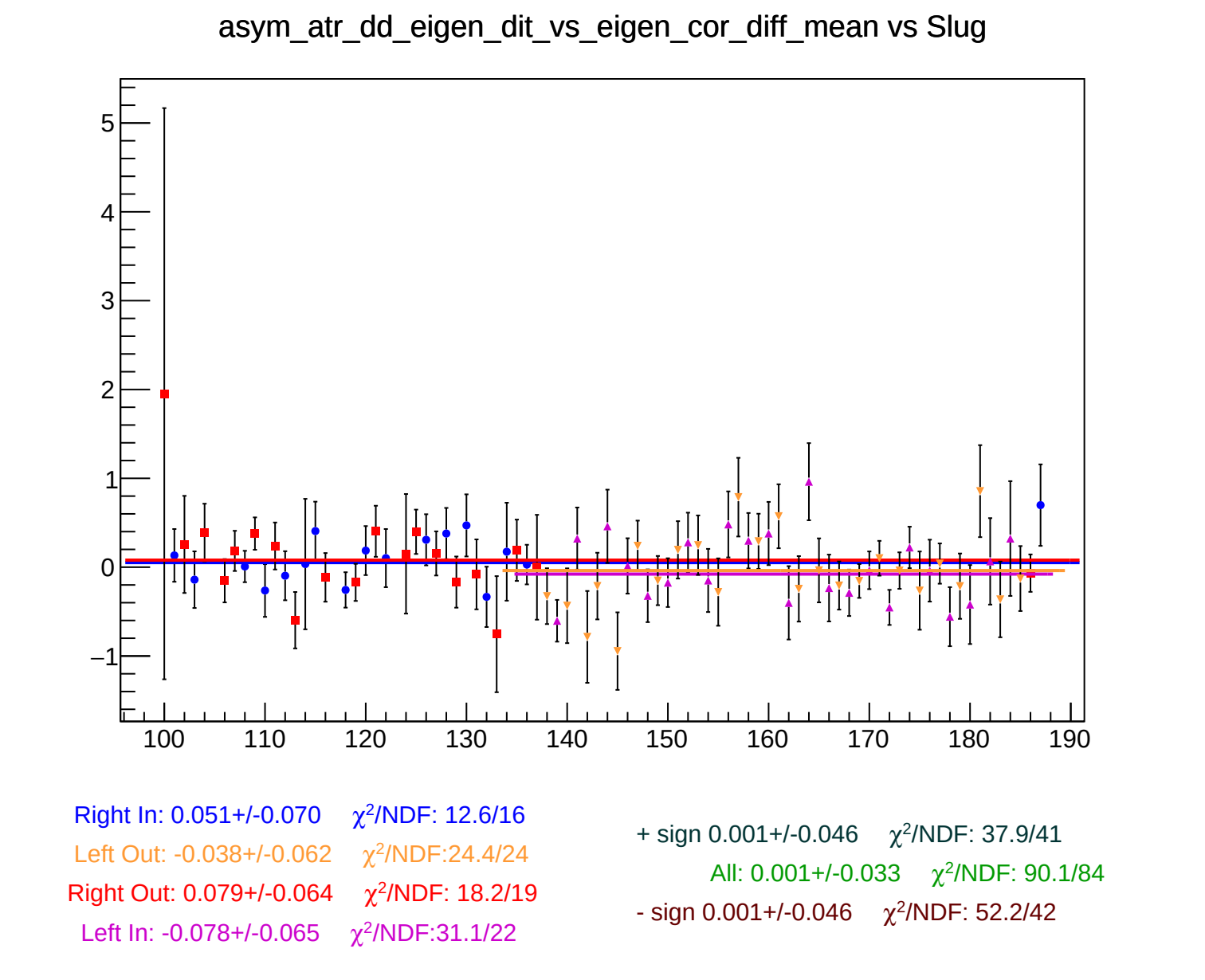
Right Out: 164.300+/-0.046 χ^2/NDF: 1485407.6/19

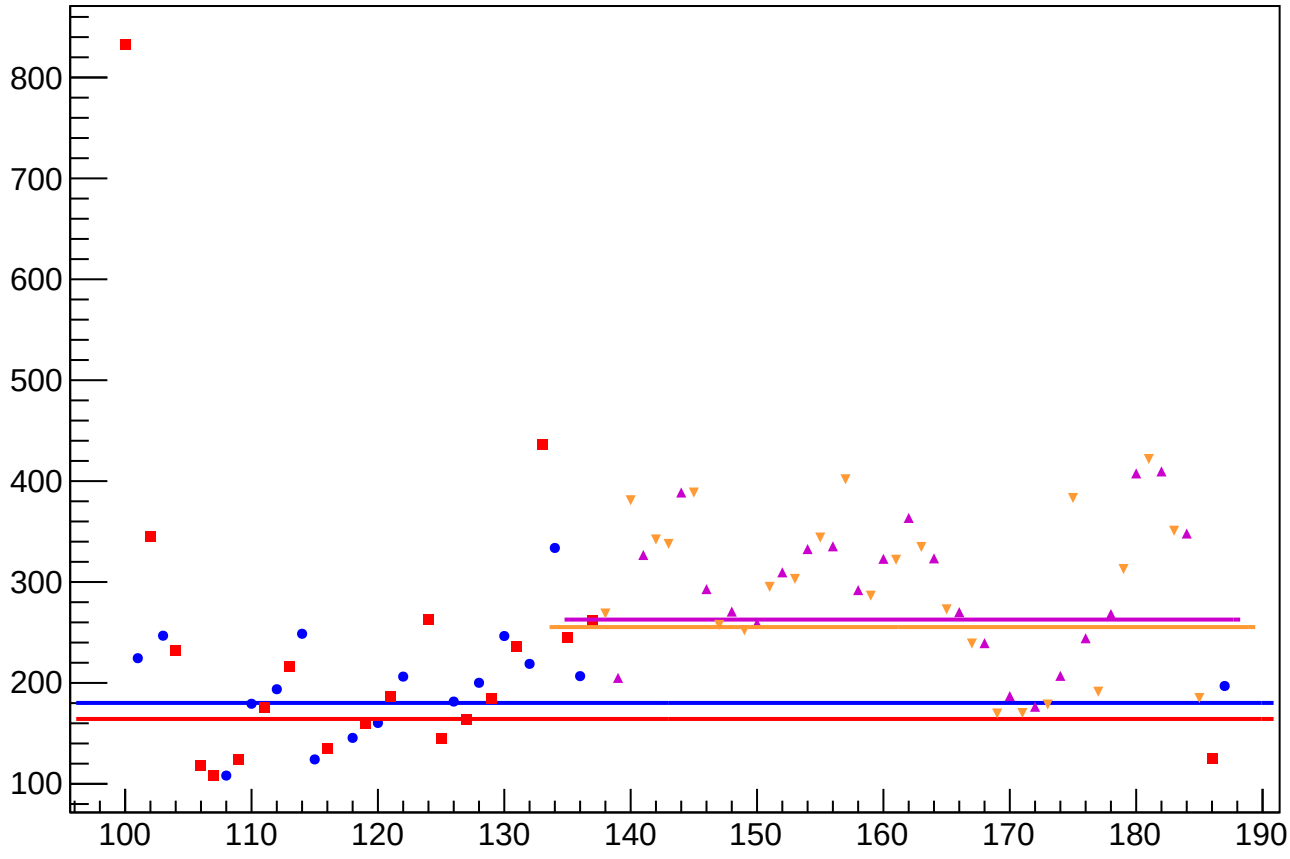
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.230+/-0.033 χ^2/NDF: 5155517.3/41

All: 217.642+/-0.023 χ^2/NDF: 11026576.1/84

- sign 213.172+/-0.032 χ^2/NDF: 5832295.7/42


asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.051+/-0.070 χ²/NDF: 12.6/16
Left Out: -0.038+/-0.062 χ²/NDF:24.4/24
Right Out: 0.079+/-0.064 χ²/NDF: 18.2/19
Left In: -0.078+/-0.065 χ²/NDF:31.1/22
+ sign 0.001+/-0.046 χ²/NDF: 37.9/41
All: 0.001+/-0.033 χ²/NDF: 90.1/84
- sign 0.001+/-0.046 χ²/NDF: 52.2/42



Right In: 180.191+/-0.049 χ^2/NDF: 921329.8/16

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

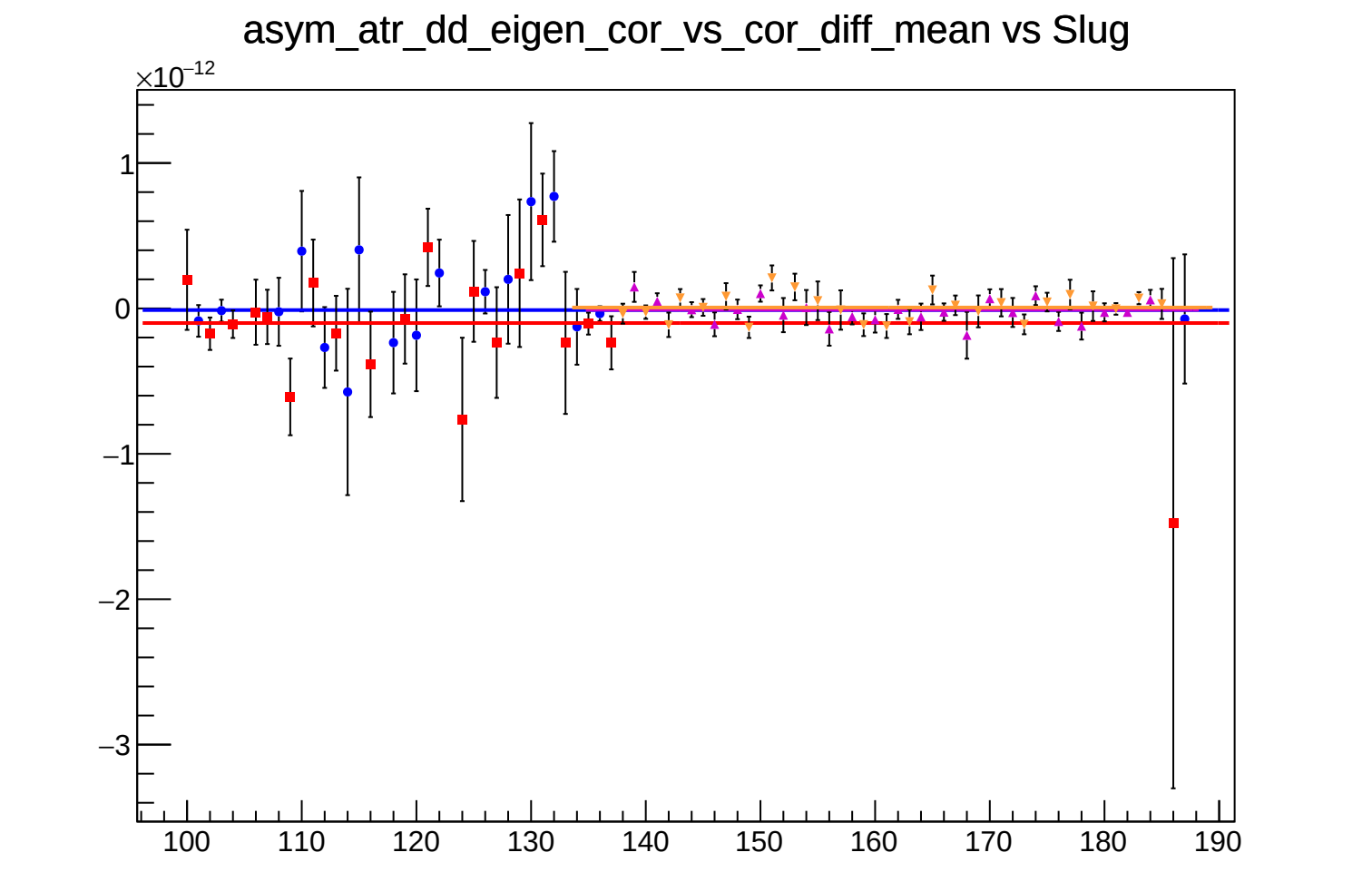
Right Out: 164.300+/-0.046 χ^2/NDF: 1485407.6/19

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 222.230+/-0.033 χ^2/NDF: 5155517.3/41

All: 217.642+/-0.023 χ^2/NDF: 11026576.1/84

- sign 213.172+/-0.032 χ^2/NDF: 5832295.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

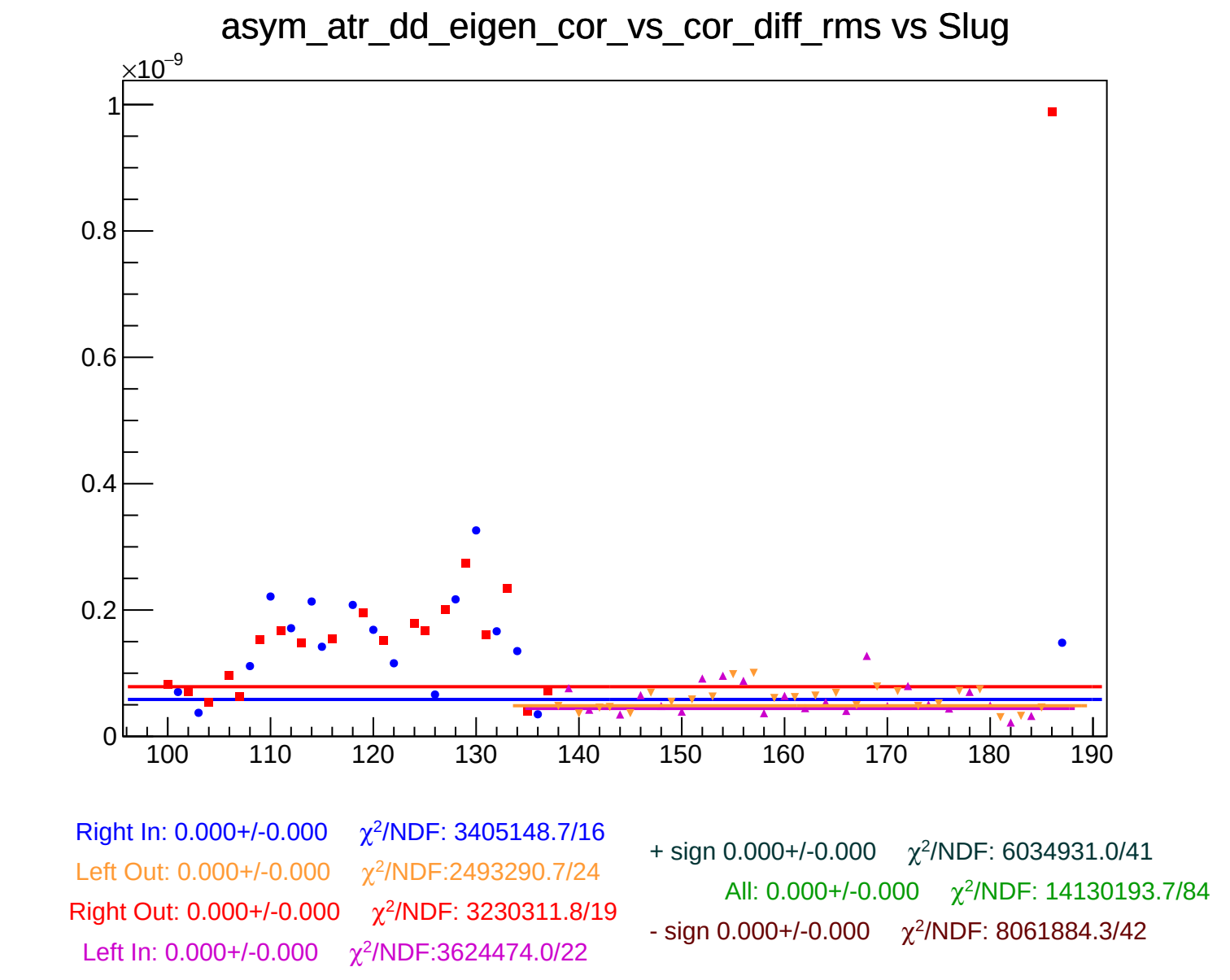
Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/19

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

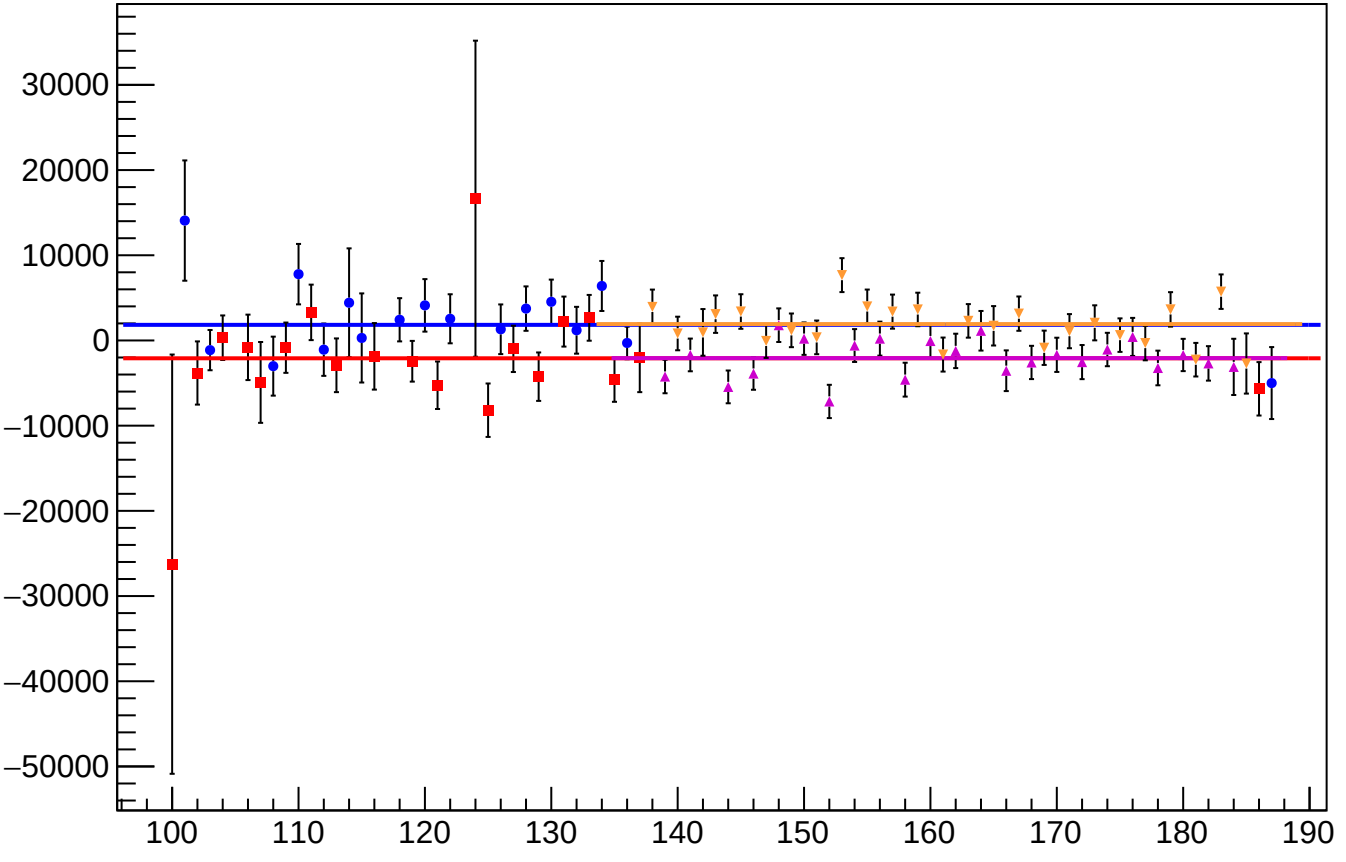
+ sign 0.000+/-0.000 χ^2/NDF: 45.8/41

All: -0.000+/-0.000 χ^2/NDF: 91.6/84

- sign -0.000+/-0.000 χ^2/NDF: 44.5/42


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3405148.7/16
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3230311.8/19
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
+ sign 0.000+/-0.000 χ²/NDF: 6034931.0/41
All: 0.000+/-0.000 χ²/NDF: 14130193.7/84
- sign 0.000+/-0.000 χ²/NDF: 8061884.3/42

reg_asym_at1_avg_mean vs Slug



Right In: 1831.575+/-725.273 χ^2/NDF: 19.1/16

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2093.140+/-717.222 χ^2/NDF: 19.9/19

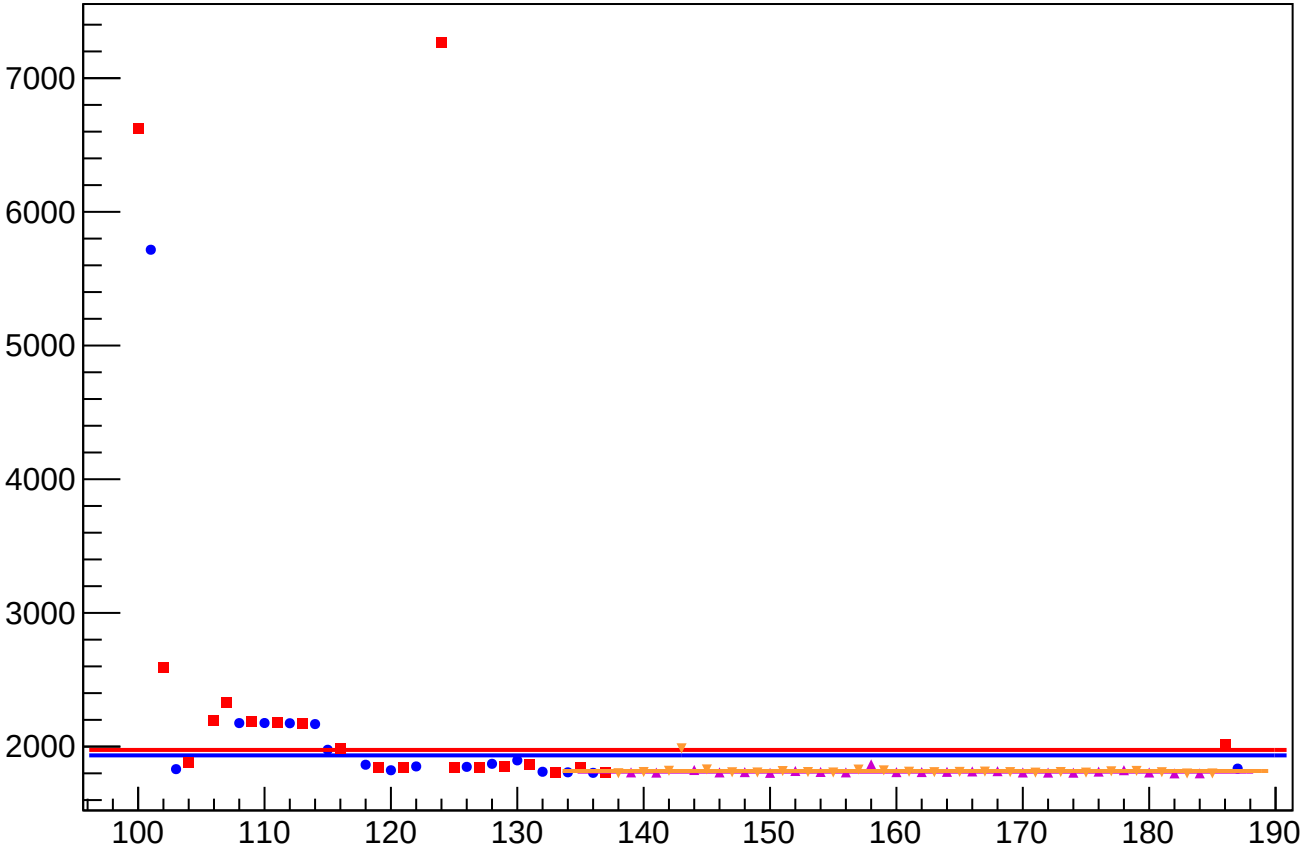
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1898.825+/-358.835 χ^2/NDF: 51.7/41

All: -59.082+/-255.708 χ^2/NDF: 158.6/84

- sign -2079.095+/-364.482 χ^2/NDF: 46.4/42

reg_asym_at1_avg_rms vs Slug



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.3/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1975.062+/-0.507 χ^2/NDF: 377910.0/19

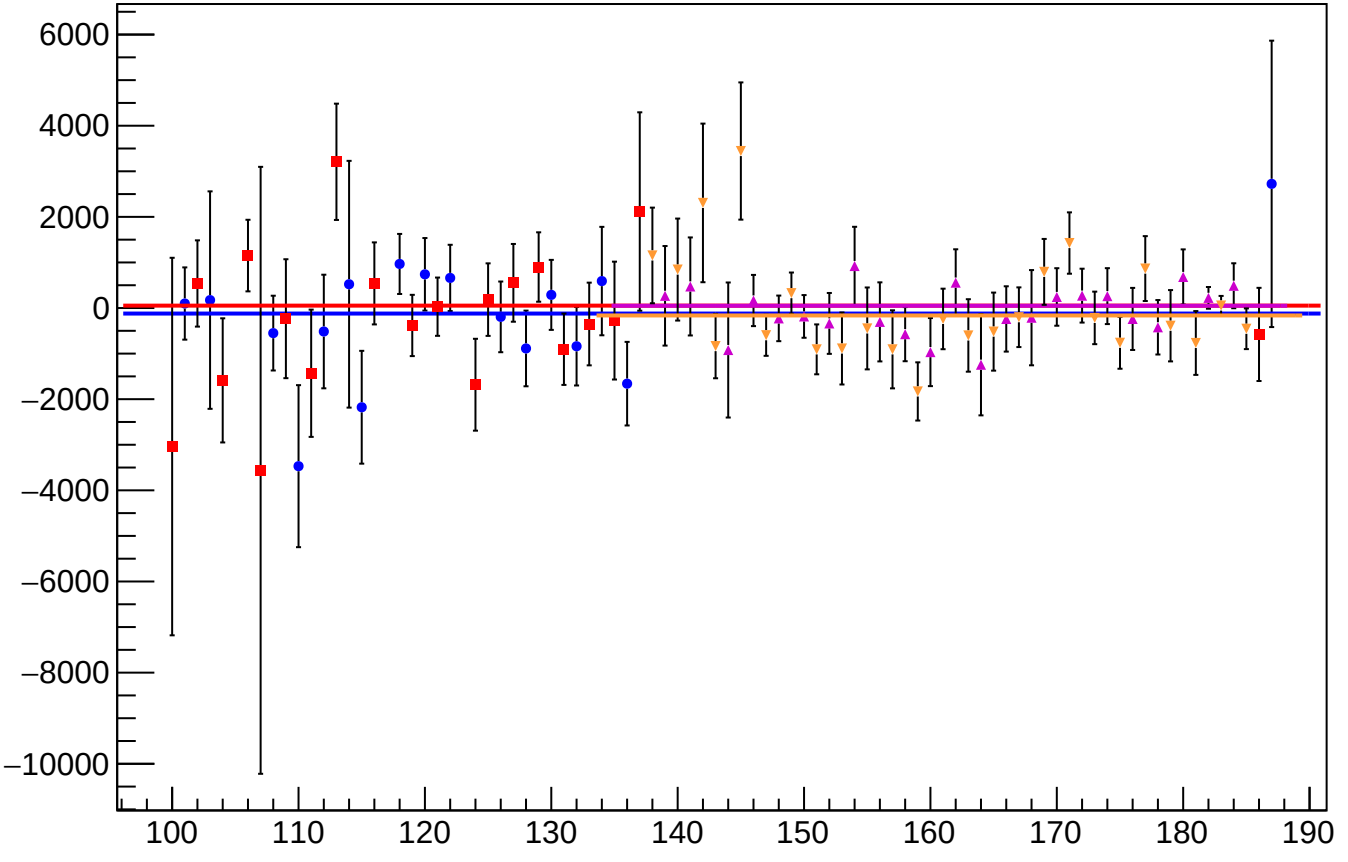
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.097+/-0.254 χ^2/NDF: 691297.5/41

All: 1850.240+/-0.181 χ^2/NDF: 1147931.2/84

- sign 1854.515+/-0.258 χ^2/NDF: 456091.8/42

asym_at1_avg_reg_correction_mean vs Slug



Right In: -121.339+/-229.813 χ^2/NDF: 17.7/16

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 52.488+/-216.959 χ^2/NDF: 20.1/19

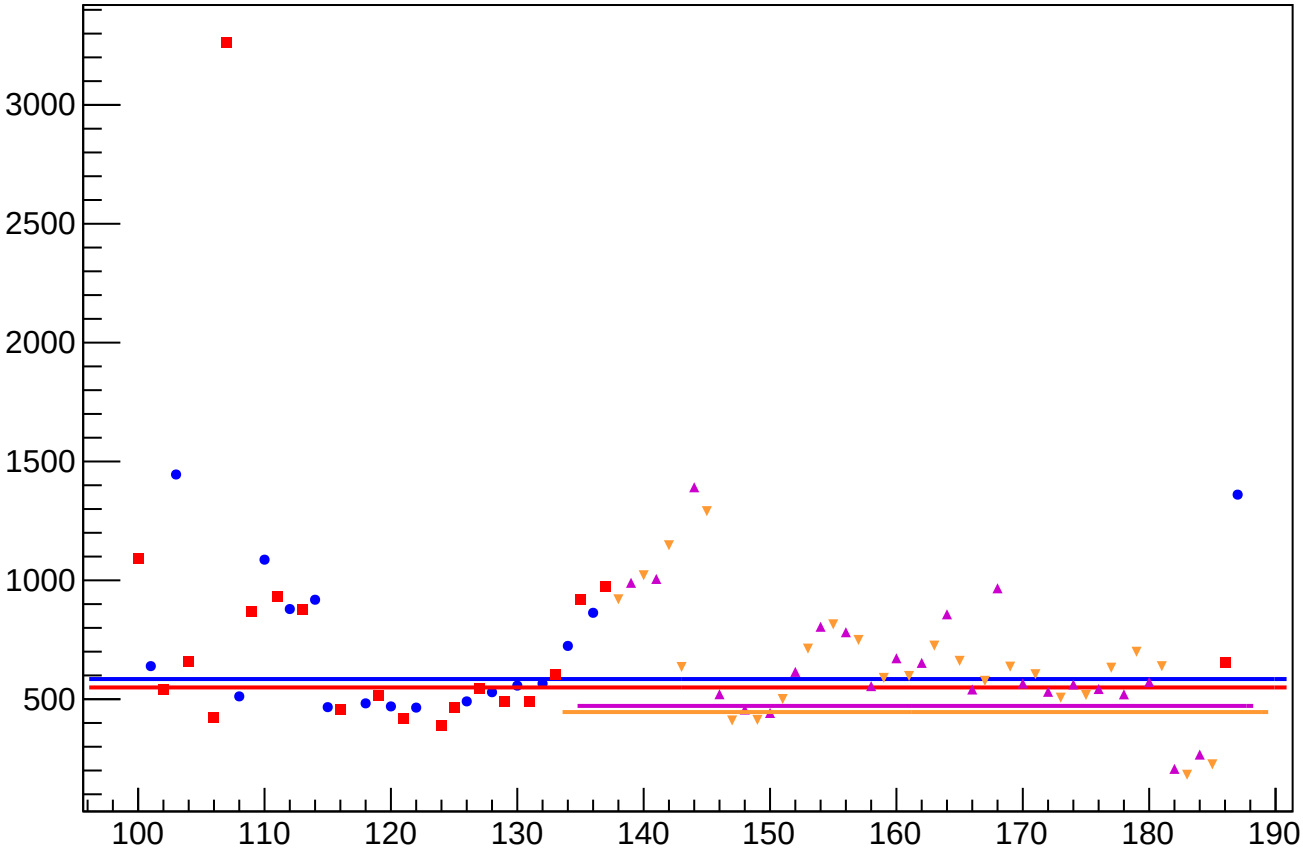
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -154.619+/-103.054 χ^2/NDF: 54.6/41

All: -55.928+/-74.158 χ^2/NDF: 88.0/84

- sign 50.065+/-106.797 χ^2/NDF: 31.5/42

asym_at1_avg_reg_correction_rms vs Slug



Right In: 584.783+/-0.163 χ^2/NDF: 1125988.5/16

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

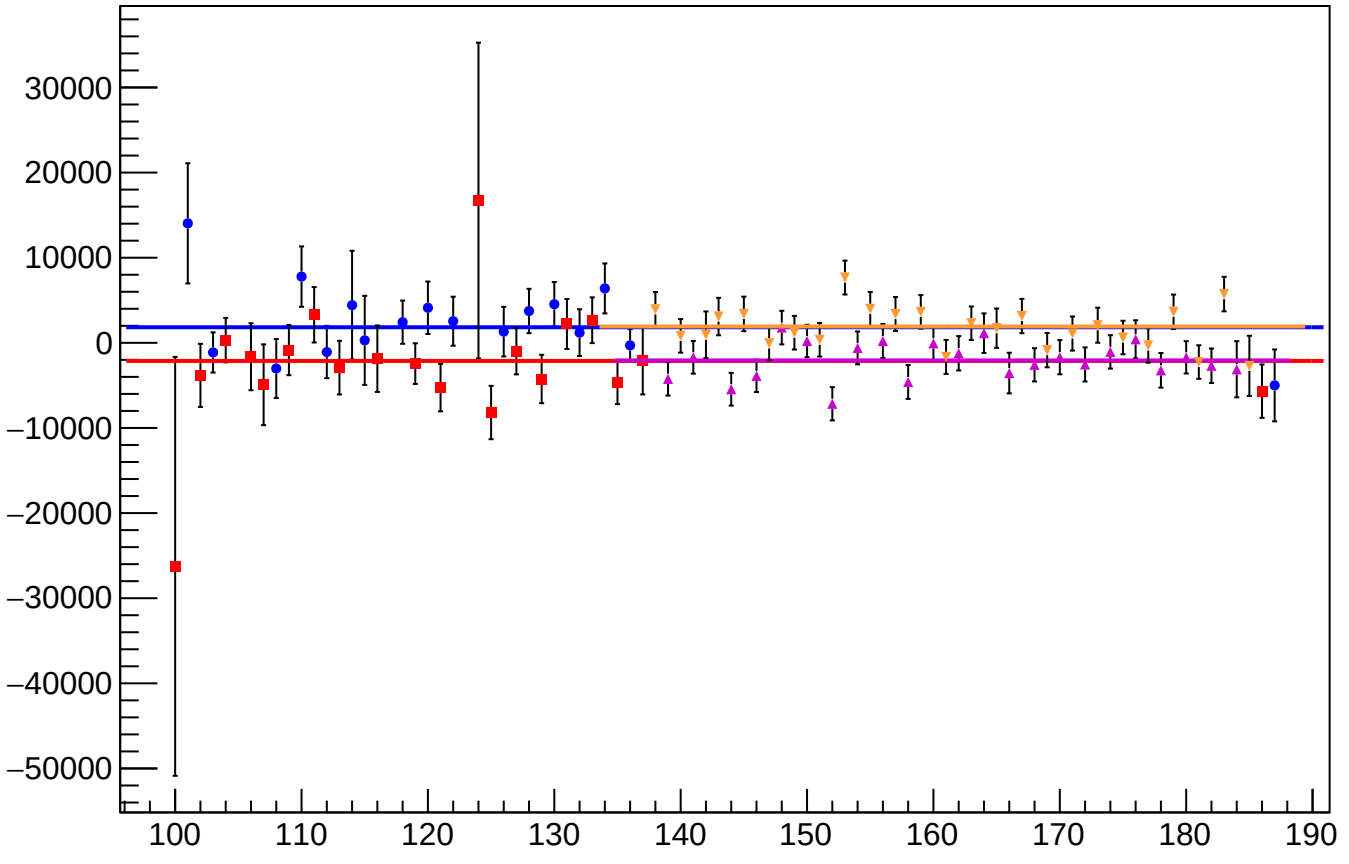
Right Out: 549.431+/-0.153 χ^2/NDF: 1309273.7/19

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 473.821+/-0.073 χ^2/NDF: 9692057.6/41

All: 481.897+/-0.052 χ^2/NDF: 17634997.3/84

- sign 490.569+/-0.076 χ^2/NDF: 7917469.7/42



Right In: 1831.222+/-725.274 χ^2/NDF: 19.1/16

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2122.848+/-717.820 χ^2/NDF: 19.8/19

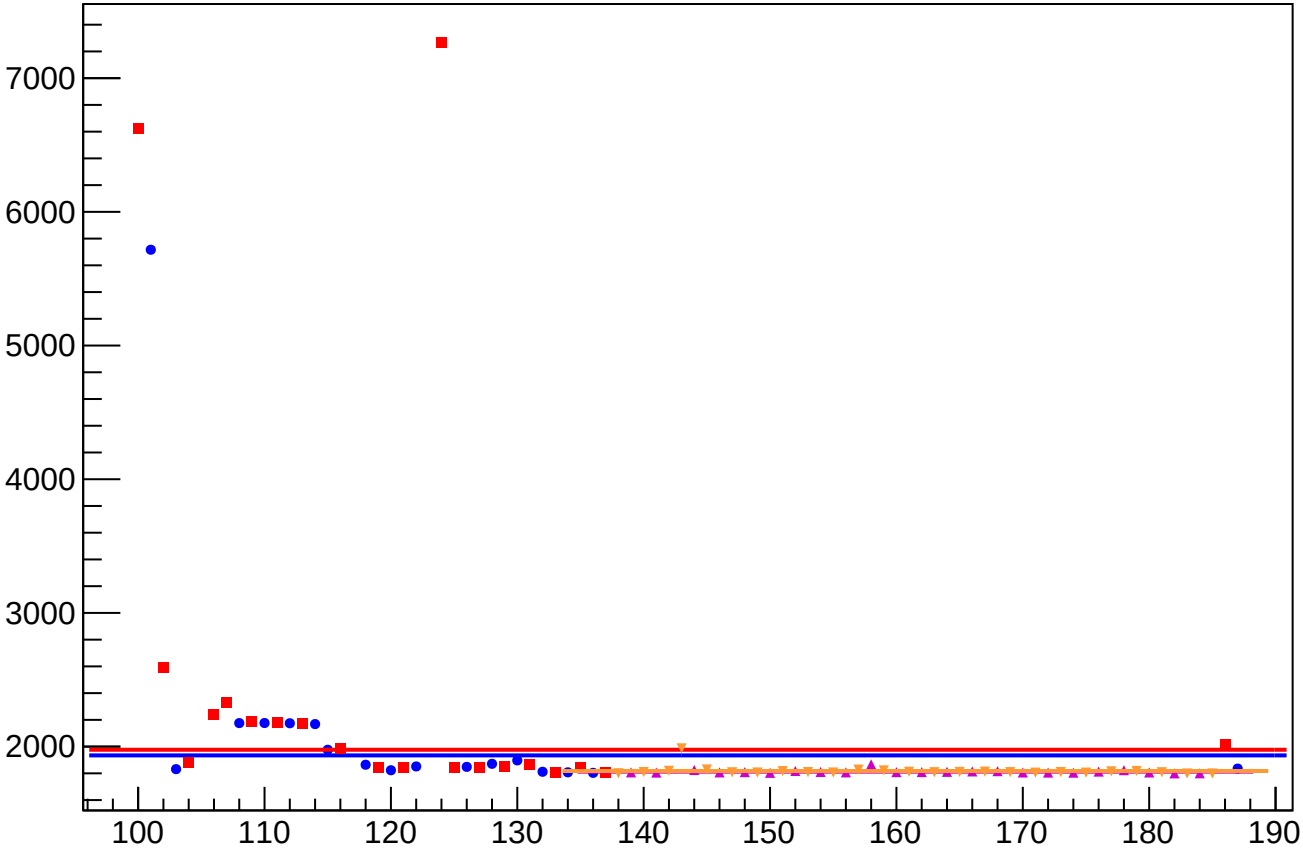
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1898.712+/-358.835 χ^2/NDF: 51.7/41

All: -62.516+/-255.735 χ^2/NDF: 158.7/84

- sign -2086.827+/-364.561 χ^2/NDF: 46.3/42

cor_asym_at1_avg_rms vs Slug



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.4/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1976.387+/-0.508 χ^2/NDF: 380780.3/19

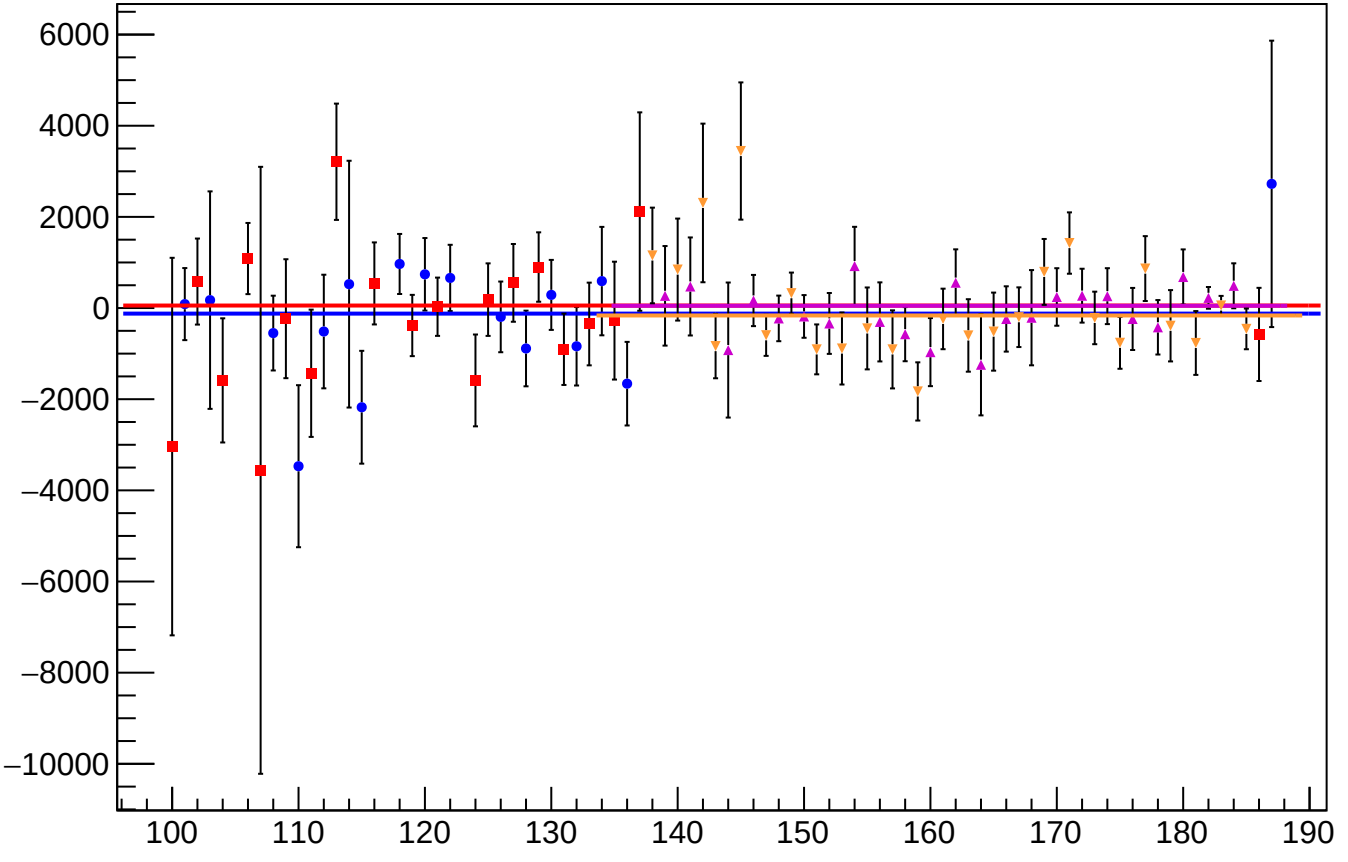
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.097+/-0.254 χ^2/NDF: 691297.5/41

All: 1850.382+/-0.181 χ^2/NDF: 1151990.9/84

- sign 1854.805+/-0.258 χ^2/NDF: 460113.7/42

asym_at1_avg_cor_correction_mean vs Slug



Right In: -122.188+/-229.765 χ^2/NDF: 17.7/16

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 55.071+/-216.830 χ^2/NDF: 19.7/19

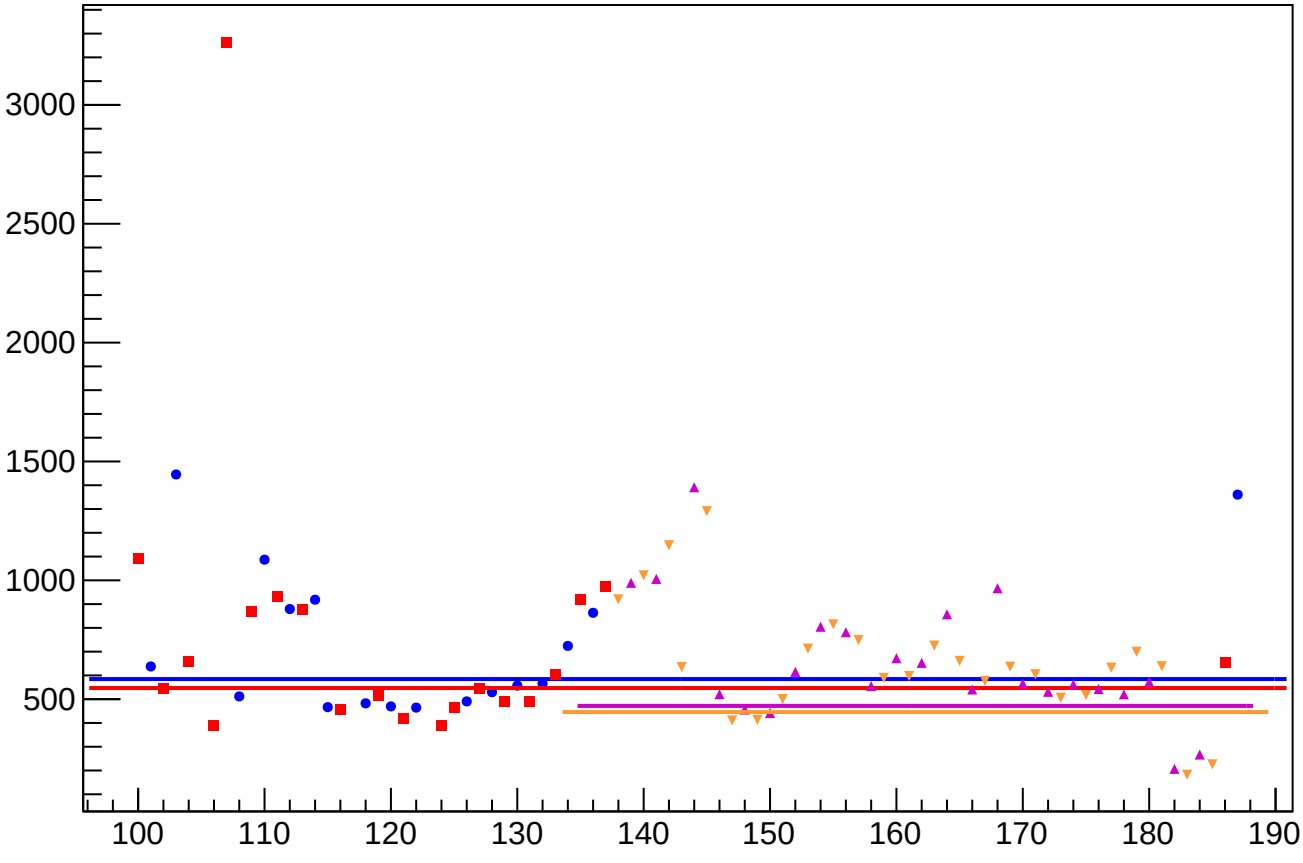
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -154.720+/-103.046 χ^2/NDF: 54.6/41

All: -55.664+/-74.151 χ^2/NDF: 87.5/84

- sign 50.707+/-106.783 χ^2/NDF: 31.0/42

asym_at1_avg_cor_correction_rms vs Slug



Right In: 584.690+/-0.162 χ^2/NDF: 1125508.2/16

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 546.950+/-0.153 χ^2/NDF: 1341518.6/19

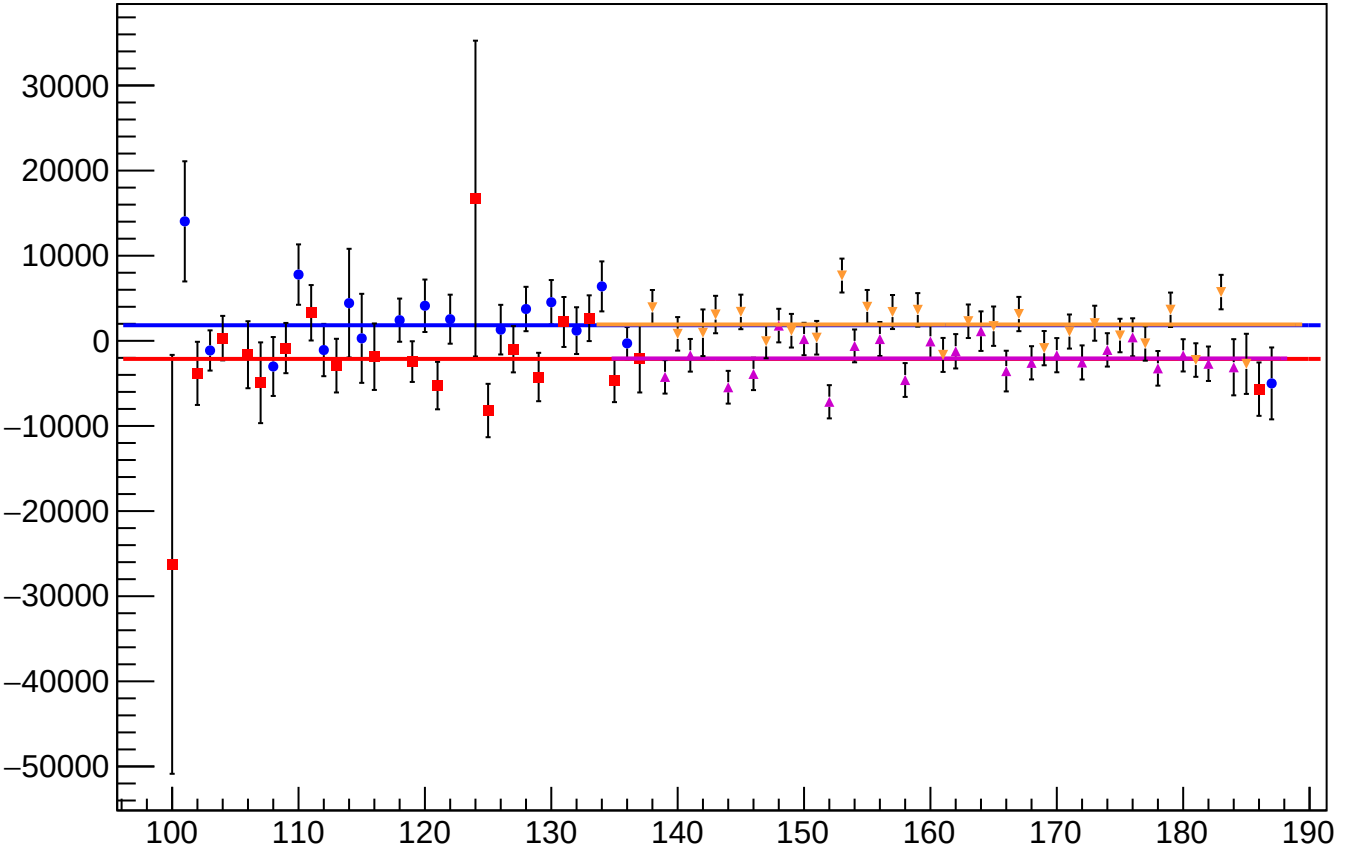
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 473.790+/-0.073 χ^2/NDF: 9692630.1/41

All: 481.603+/-0.052 χ^2/NDF: 17653864.4/84

- sign 489.994+/-0.076 χ^2/NDF: 7937387.0/42

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 1831.222+/-725.274 χ^2/NDF: 19.1/16

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2122.848+/-717.820 χ^2/NDF: 19.8/19

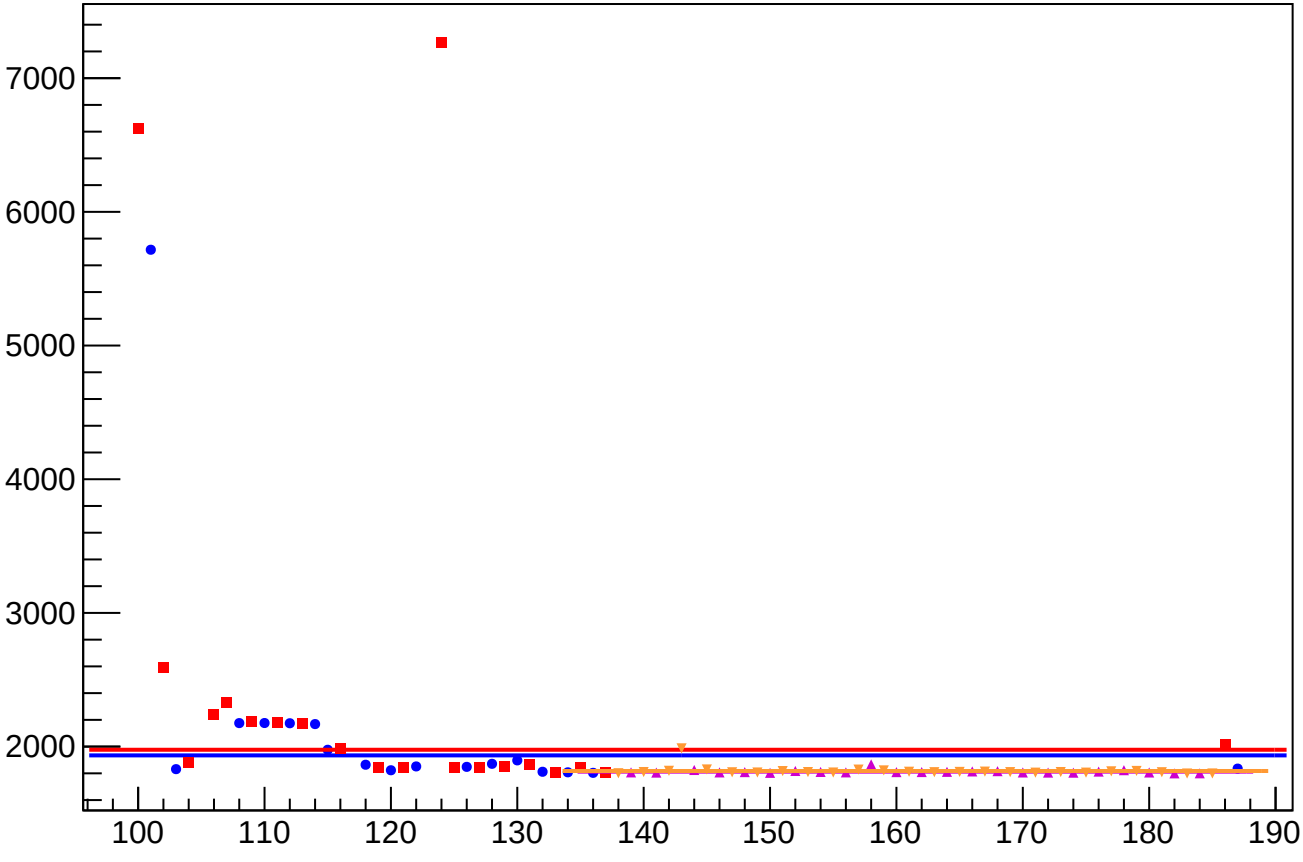
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1898.712+/-358.835 χ^2/NDF: 51.7/41

All: -62.516+/-255.735 χ^2/NDF: 158.7/84

- sign -2086.827+/-364.561 χ^2/NDF: 46.3/42

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.4/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

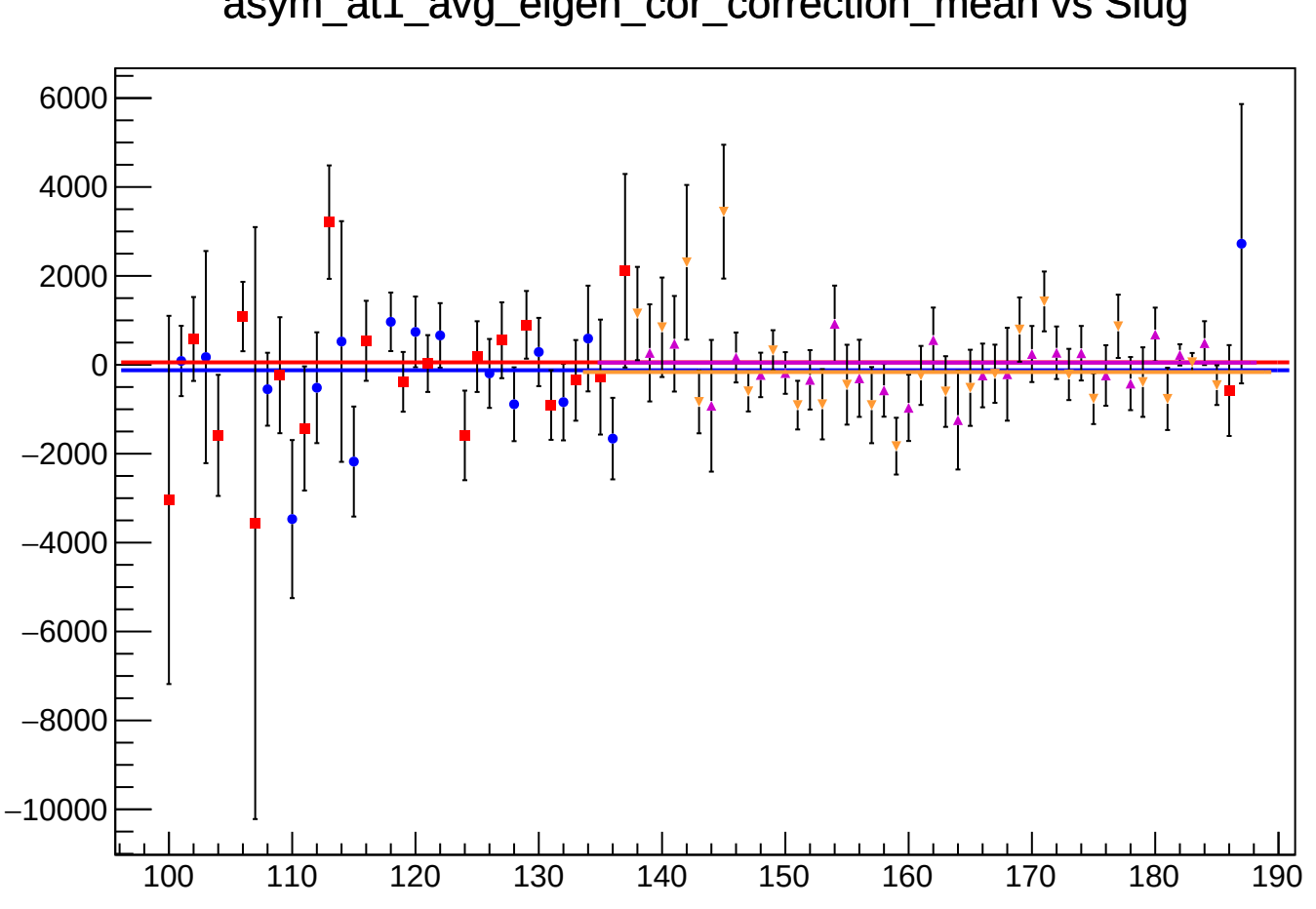
Right Out: 1976.387+/-0.508 χ^2/NDF: 380780.3/19

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1846.097+/-0.254 χ^2/NDF: 691297.5/41

All: 1850.382+/-0.181 χ^2/NDF: 1151990.9/84

- sign 1854.805+/-0.258 χ^2/NDF: 460113.7/42



Right In: -122.188+/-229.765 χ^2/NDF: 17.7/16

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

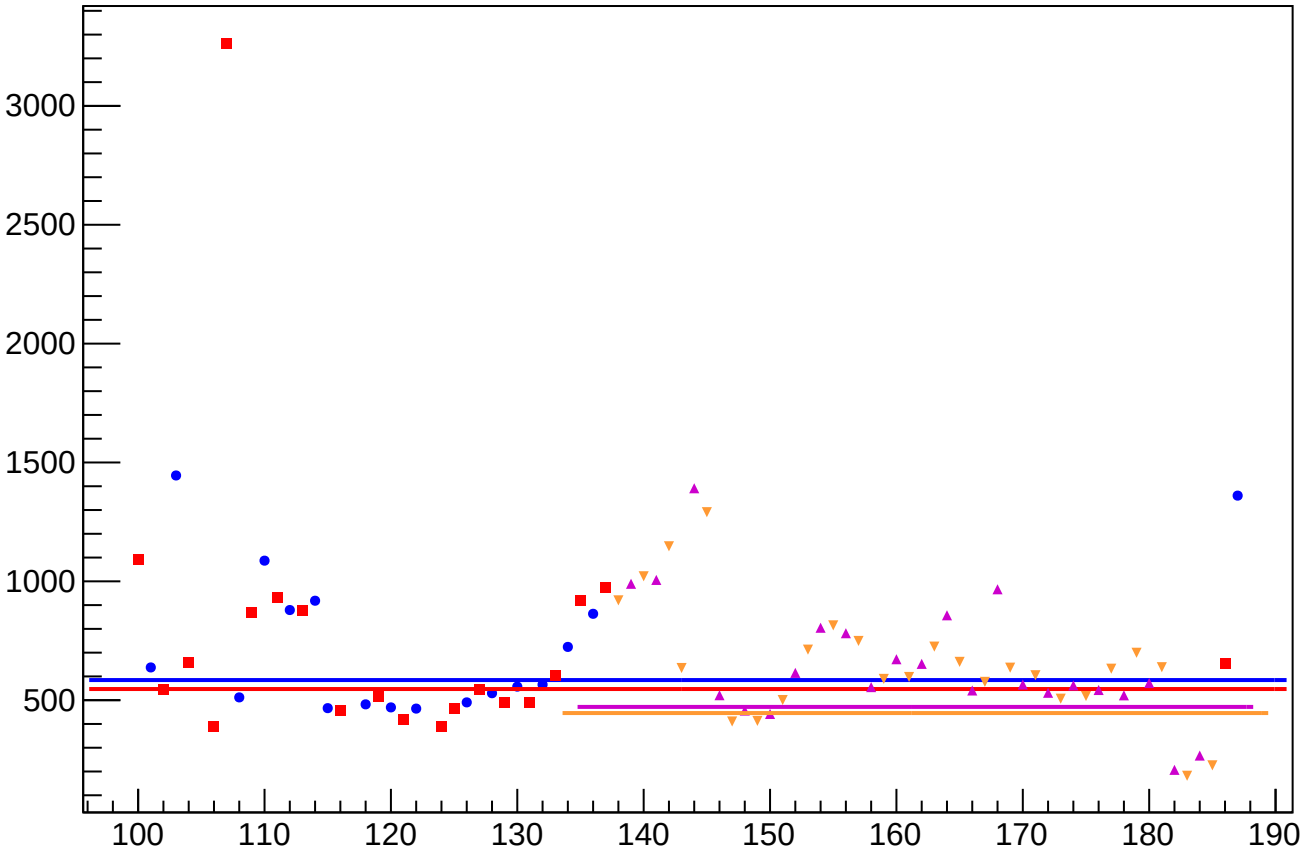
Right Out: 55.071+/-216.830 χ^2/NDF: 19.7/19

Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

\+ sign -154.720+/-103.046 χ^2/NDF: 54.6/41

All: -55.664+/-74.151 χ^2/NDF: 87.5/84

\- sign 50.707+/-106.783 χ^2/NDF: 31.0/42



Right In: 584.690+/-0.162 χ^2/NDF: 1125508.2/16

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

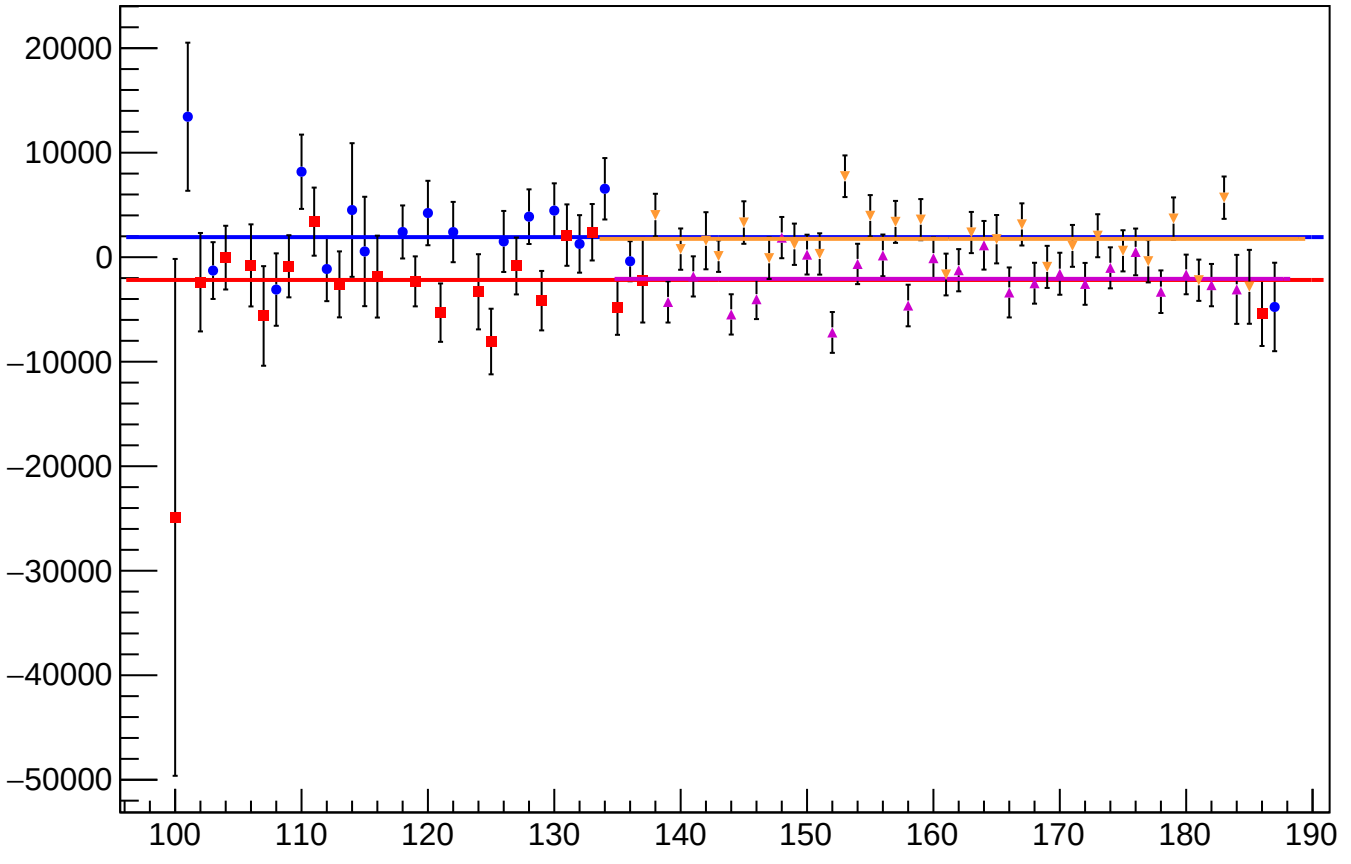
Right Out: 546.950+/-0.153 χ^2/NDF: 1341518.6/19

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 473.790+/-0.073 χ^2/NDF: 9692630.1/41

All: 481.603+/-0.052 χ^2/NDF: 17653864.4/84

- sign 489.994+/-0.076 χ^2/NDF: 7937387.0/42



Right In: 1921.004+/-734.906 χ^2/NDF: 19.1/16

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2177.246+/-717.691 χ^2/NDF: 17.8/19

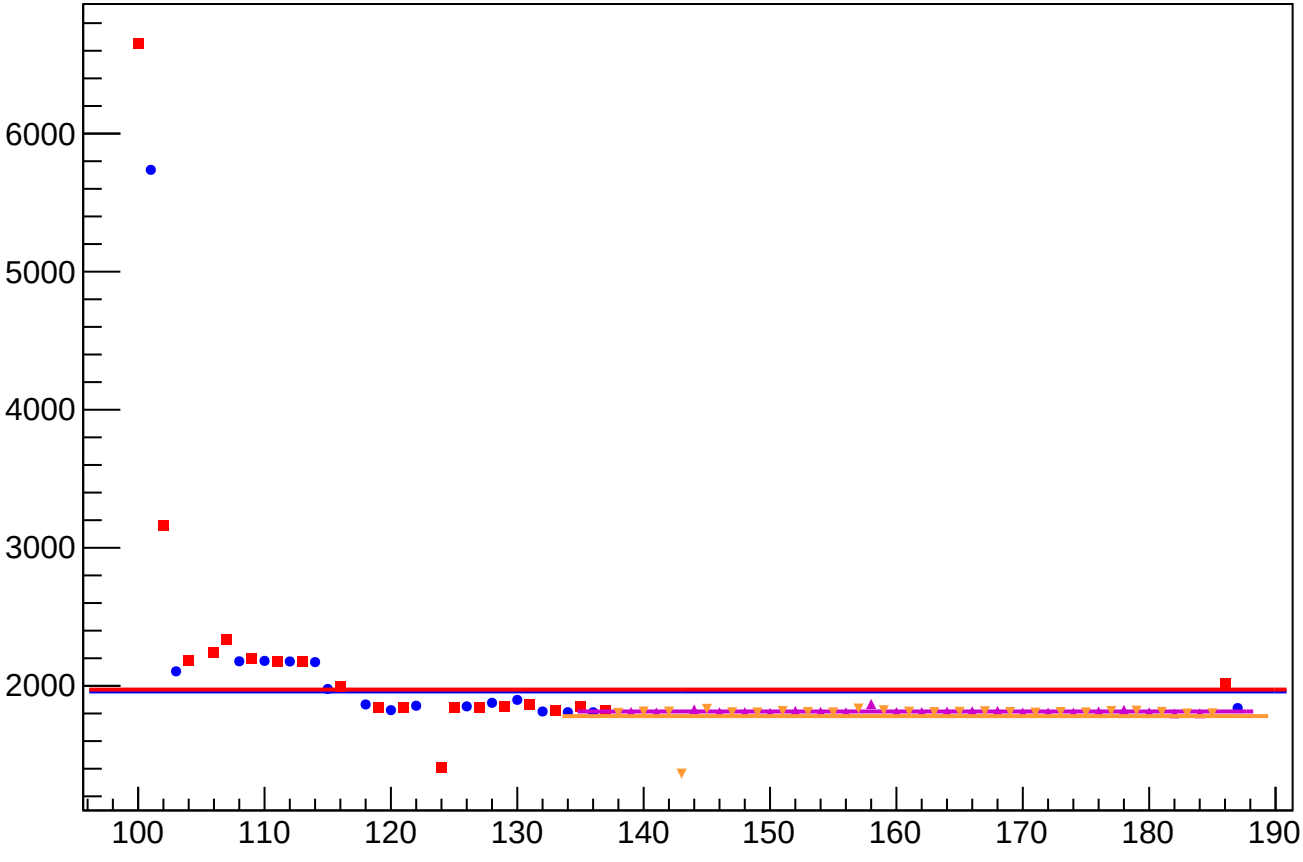
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1794.108+/-354.973 χ^2/NDF: 52.9/41

All: -99.771+/-254.417 χ^2/NDF: 156.3/84

- sign -2100.265+/-364.828 χ^2/NDF: 44.8/42

dit_asym_at1_avg_rms vs Slug



Right In: 1959.673+/-0.520 χ^2/NDF: 641922.0/16

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1973.071+/-0.507 χ^2/NDF: 345613.7/19

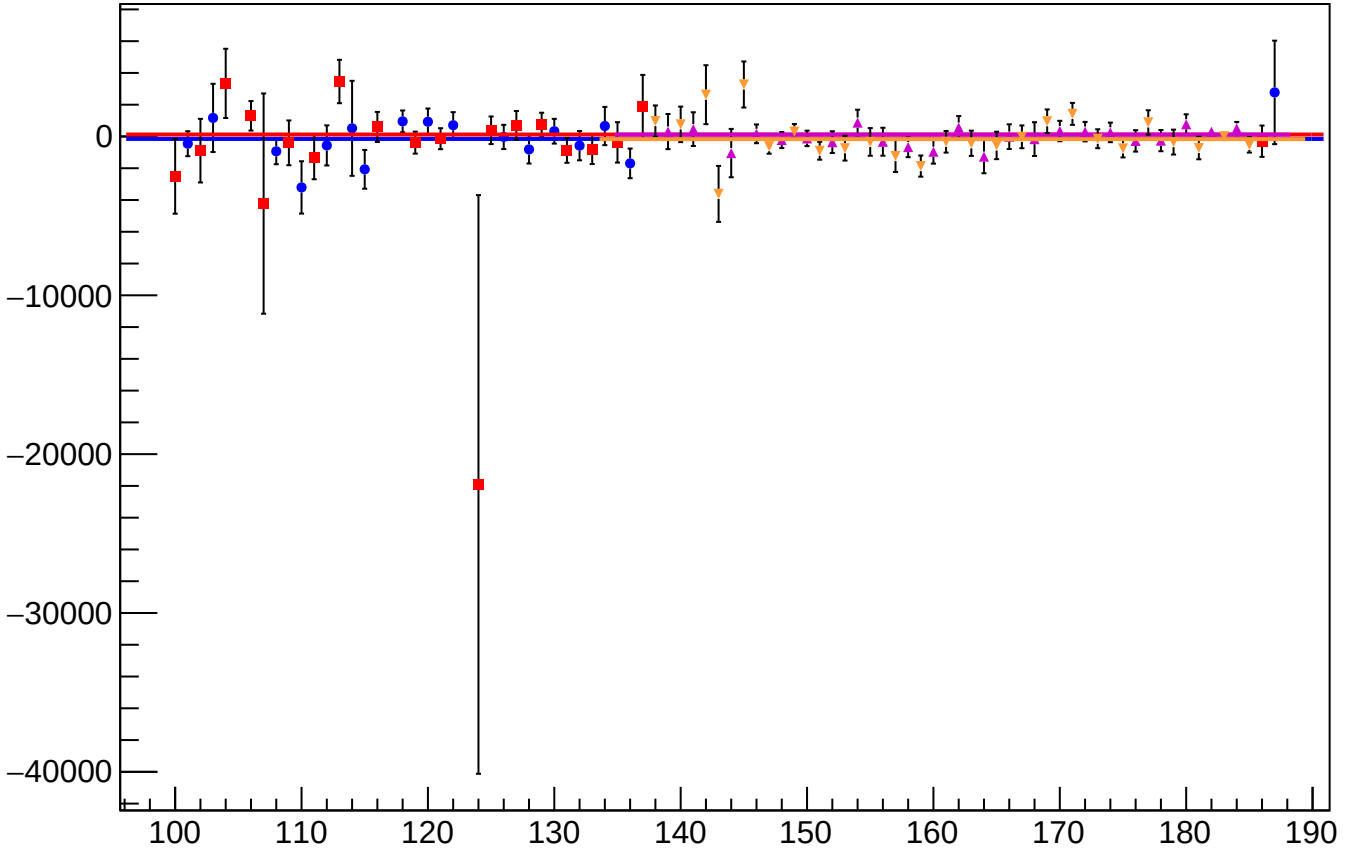
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.619+/-0.251 χ^2/NDF: 897584.0/41

All: 1838.574+/-0.180 χ^2/NDF: 1326065.6/84

- sign 1855.427+/-0.258 χ^2/NDF: 420173.4/42

asym_at1_avg_dit_correction_mean vs Slug



Right In: -155.281+/-236.288 χ^2/NDF: 18.0/16

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 122.011+/-235.799 χ^2/NDF: 20.3/19

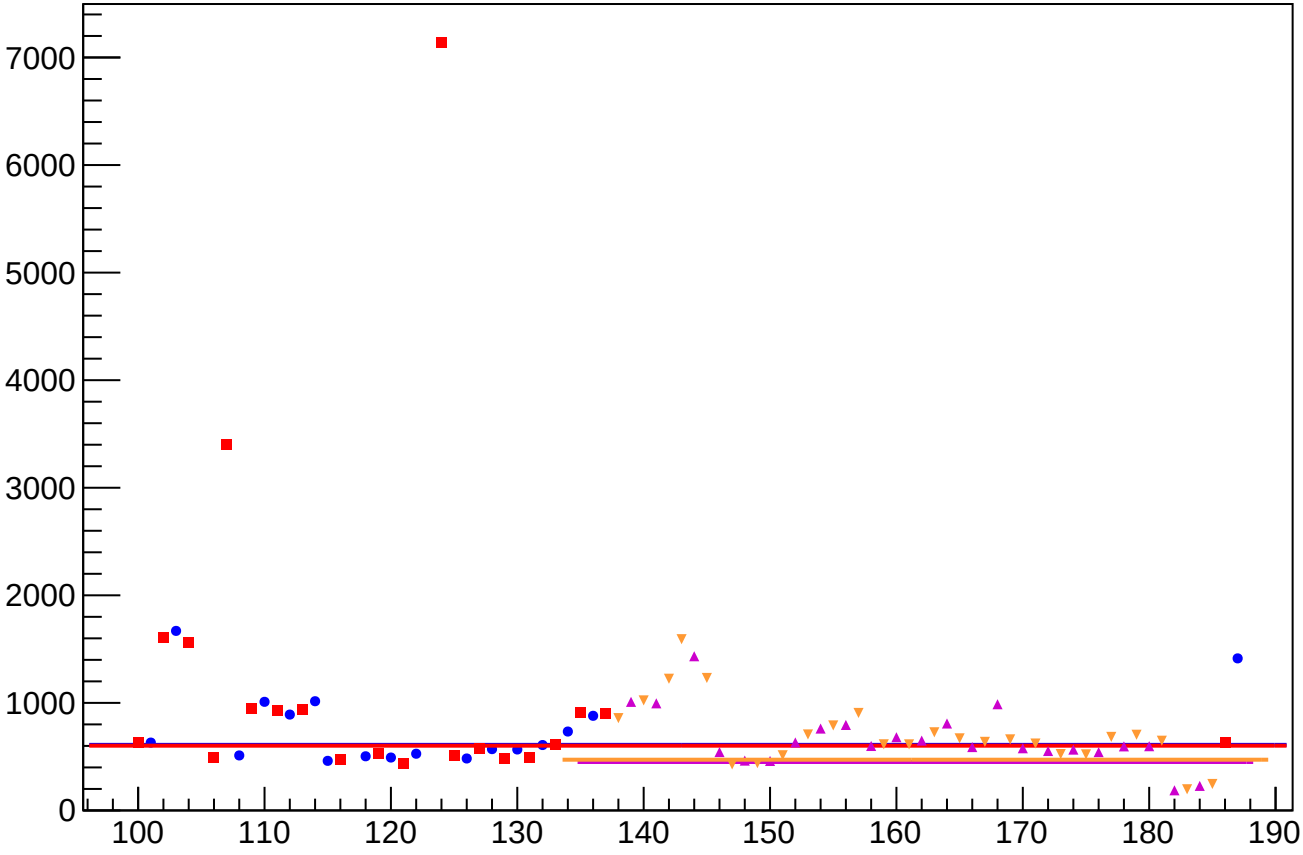
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -165.264+/-108.142 χ^2/NDF: 56.4/41

All: -21.745+/-75.984 χ^2/NDF: 92.5/84

- sign 118.195+/-106.786 χ^2/NDF: 32.6/42

asym_at1_avg_dit_correction_rms vs Slug



Right In: 609.683+/-0.167 χ^2/NDF: 1284982.2/16

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 602.216+/-0.167 χ^2/NDF: 2330380.2/19

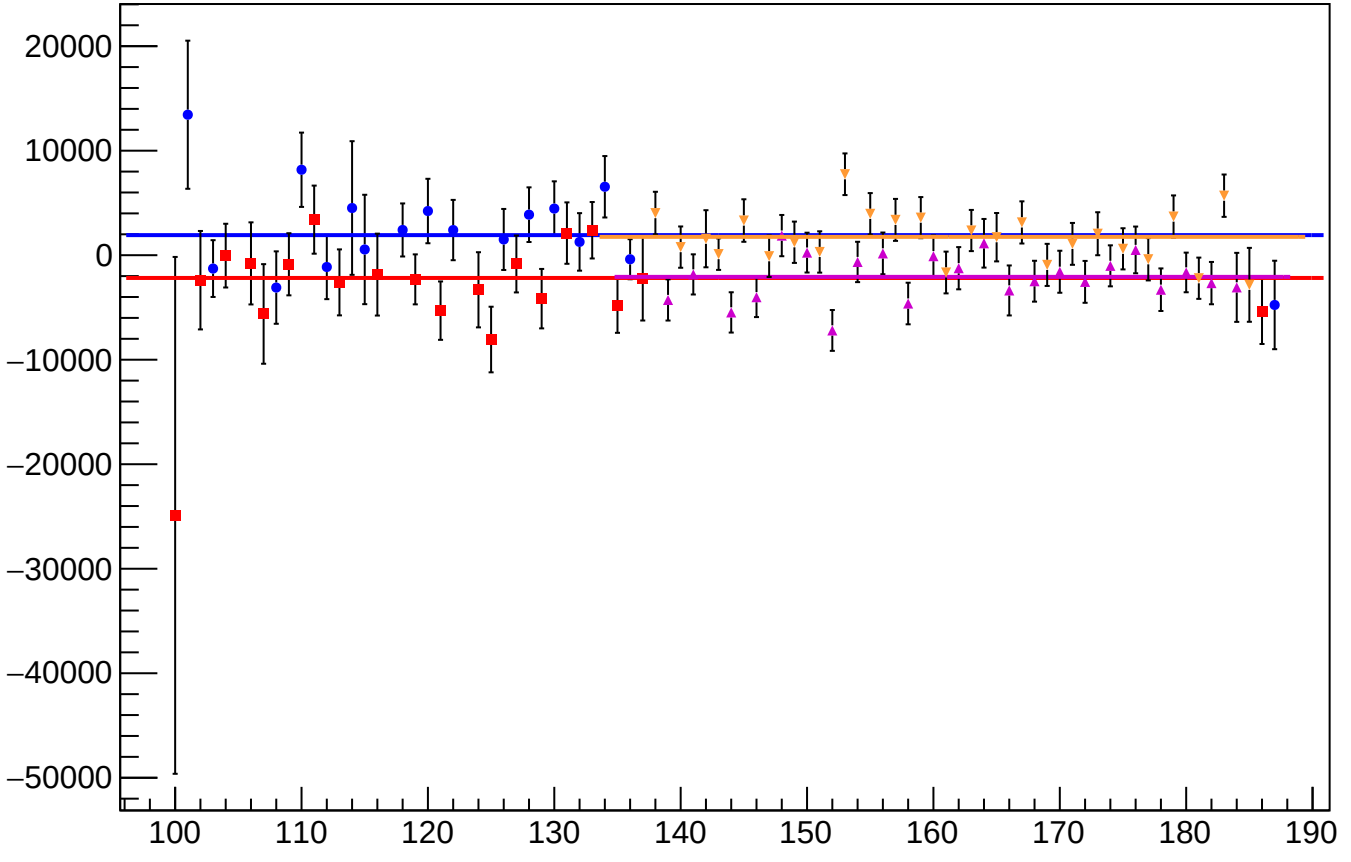
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 500.663+/-0.076 χ^2/NDF: 9936212.1/41

All: 491.080+/-0.054 χ^2/NDF: 20882783.7/84

- sign 481.736+/-0.076 χ^2/NDF: 10915552.8/42

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 1921.002+/-734.906 χ^2/NDF: 19.1/16

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2177.244+/-717.691 χ^2/NDF: 17.8/19

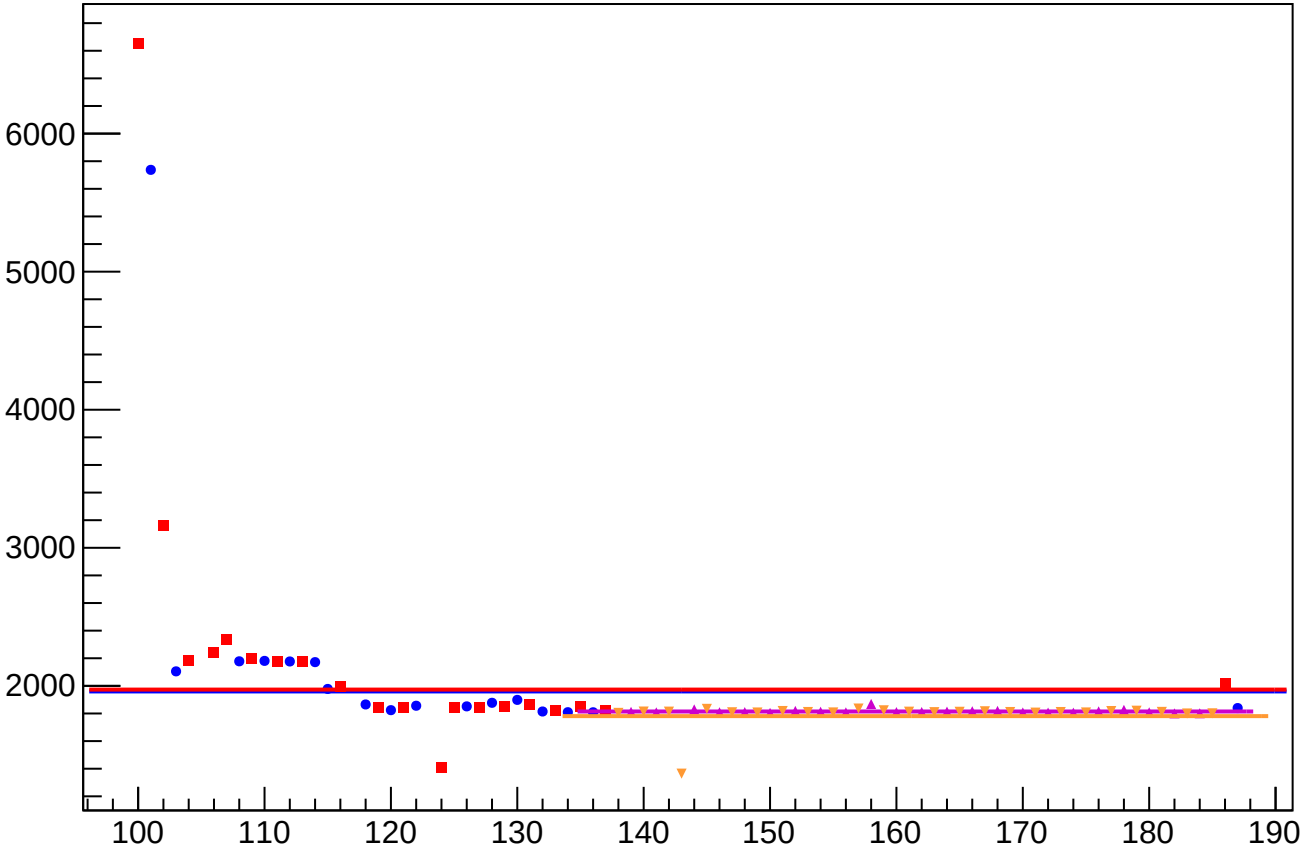
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1794.108+/-354.973 χ^2/NDF: 52.9/41

All: -99.771+/-254.417 χ^2/NDF: 156.3/84

- sign -2100.264+/-364.828 χ^2/NDF: 44.8/42

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1959.673+/-0.520 χ^2/NDF: 641921.7/16

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

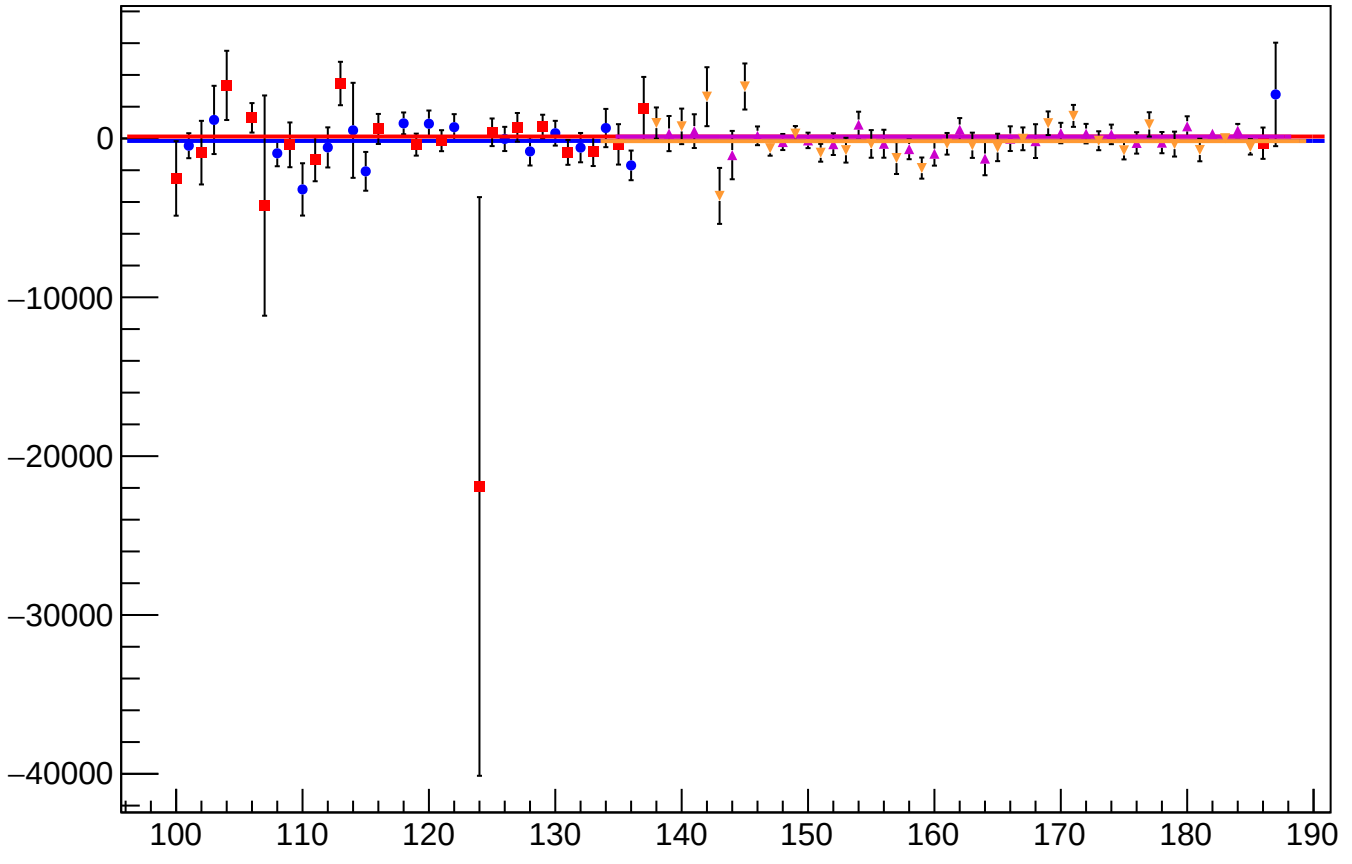
Right Out: 1973.070+/-0.507 χ^2/NDF: 345612.4/19

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1822.619+/-0.251 χ^2/NDF: 897583.5/41

All: 1838.574+/-0.180 χ^2/NDF: 1326063.6/84

- sign 1855.427+/-0.258 χ^2/NDF: 420171.9/42



Right In: -155.280+/-236.288 χ^2/NDF: 18.0/16

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 122.011+/-235.799 χ^2/NDF: 20.3/19

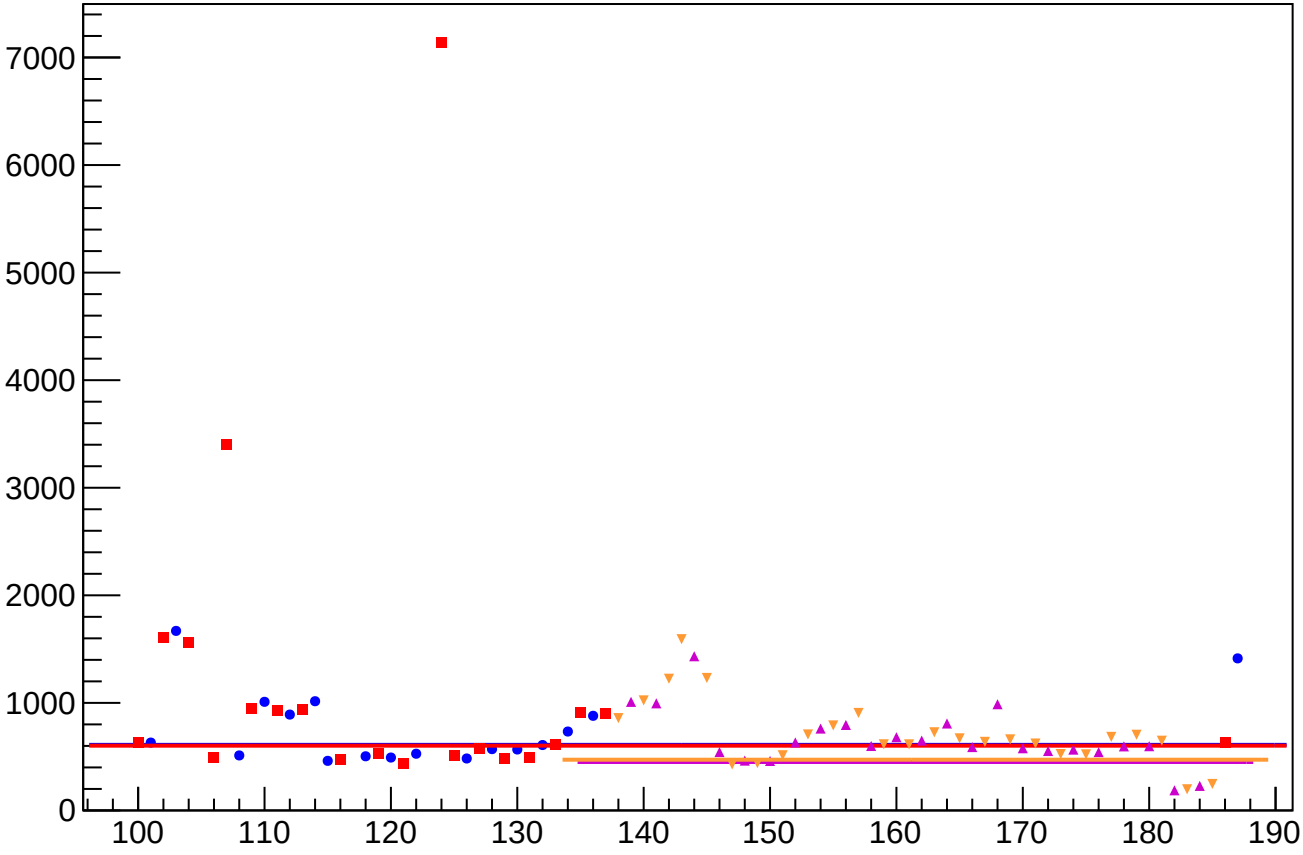
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -165.264+/-108.142 χ^2/NDF: 56.4/41

All: -21.745+/-75.984 χ^2/NDF: 92.5/84

- sign 118.196+/-106.786 χ^2/NDF: 32.6/42

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 609.682+/-0.167 χ^2/NDF: 1284990.7/16

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 602.216+/-0.167 χ^2/NDF: 2330388.2/19

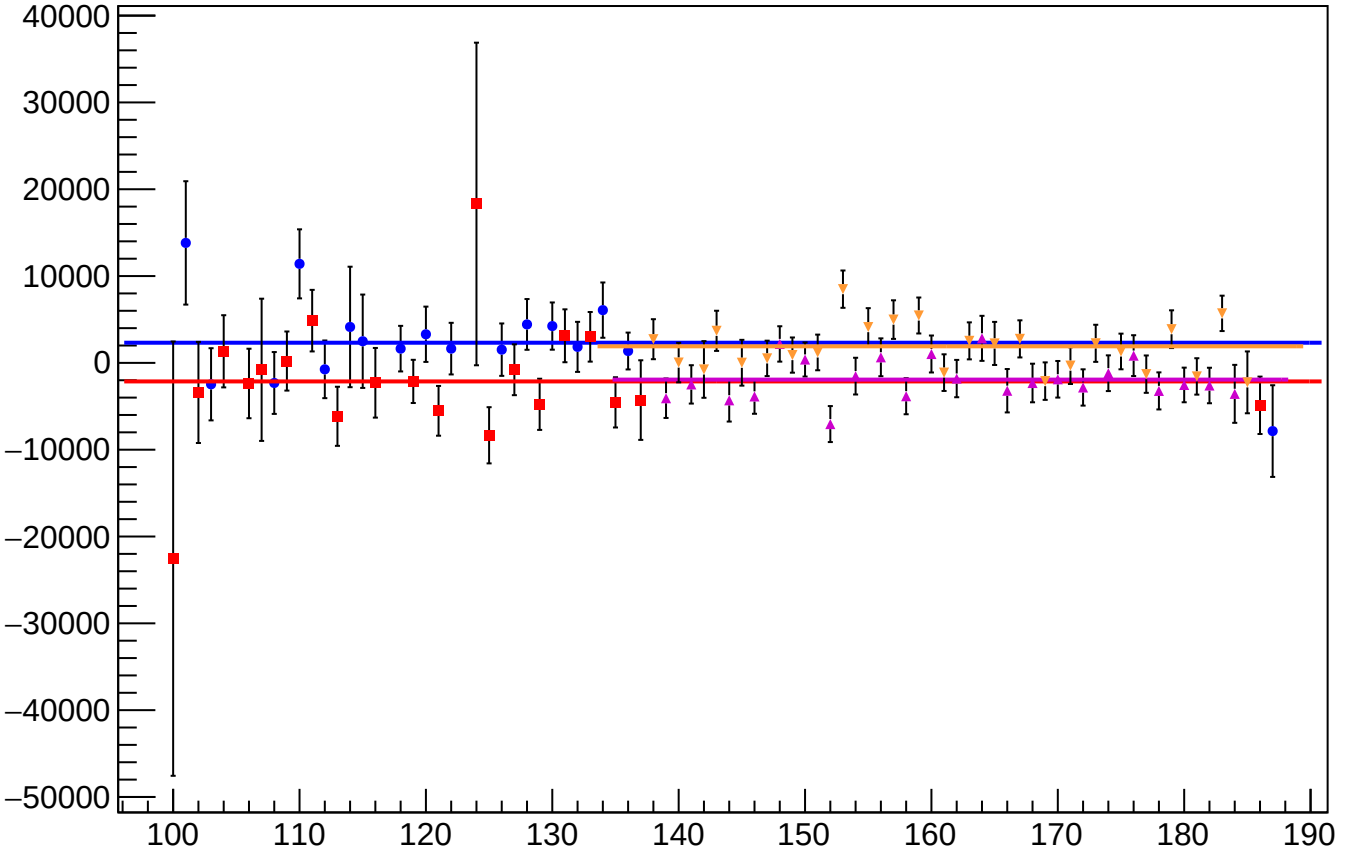
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 500.664+/-0.076 χ^2/NDF: 9936207.6/41

All: 491.081+/-0.054 χ^2/NDF: 20882757.2/84

- sign 481.737+/-0.076 χ^2/NDF: 10915531.8/42

asym_at1_avg_mean vs Slug



Right In: 2321.645+/-800.303 χ^2/NDF: 18.4/16

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2135.582+/-794.816 χ^2/NDF: 22.3/19

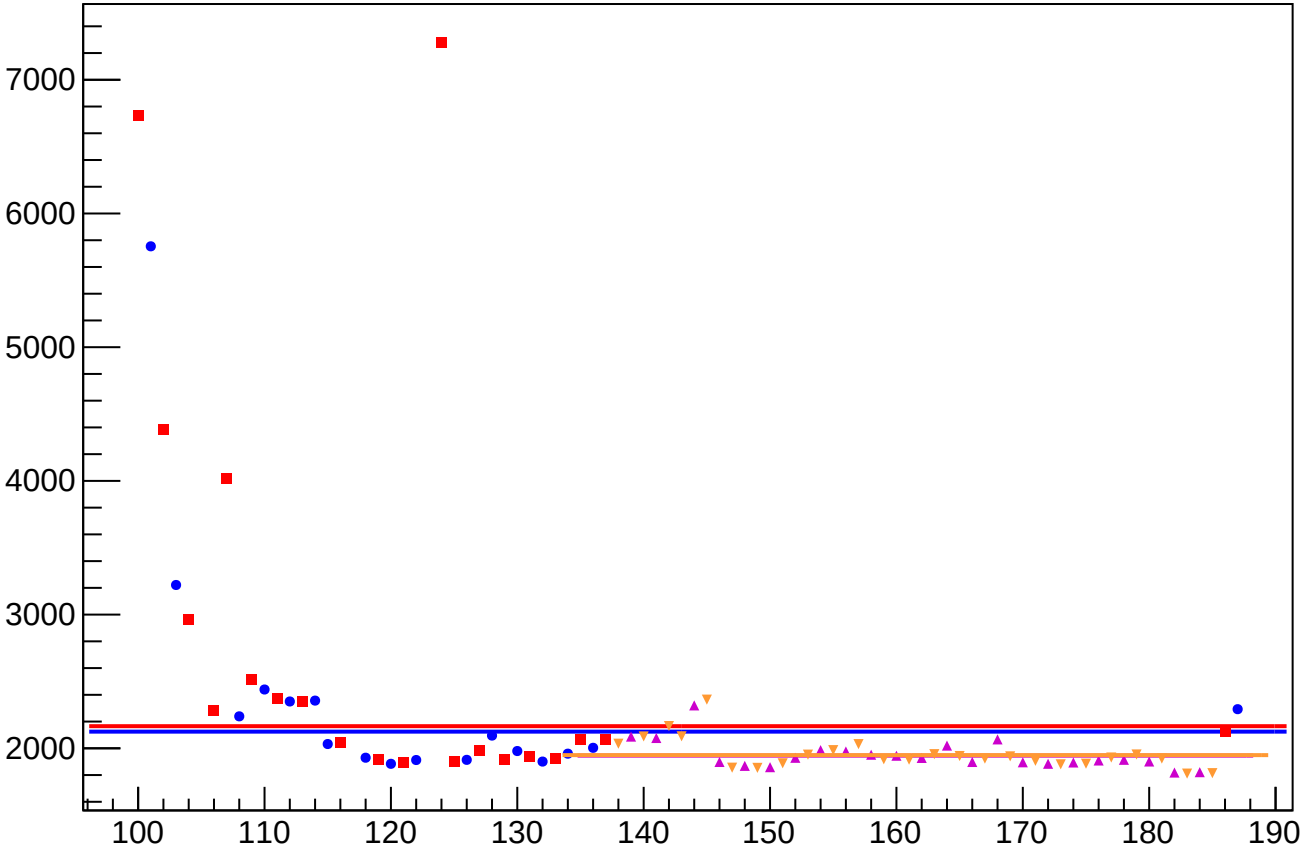
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2004.710+/-387.933 χ^2/NDF: 54.9/41

All: 48.208+/-276.705 χ^2/NDF: 153.8/84

- sign -1978.138+/-394.796 χ^2/NDF: 47.1/42

asym_at1_avg_rms vs Slug



Right In: 2124.727+/-0.566 χ^2/NDF: 762040.2/16

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

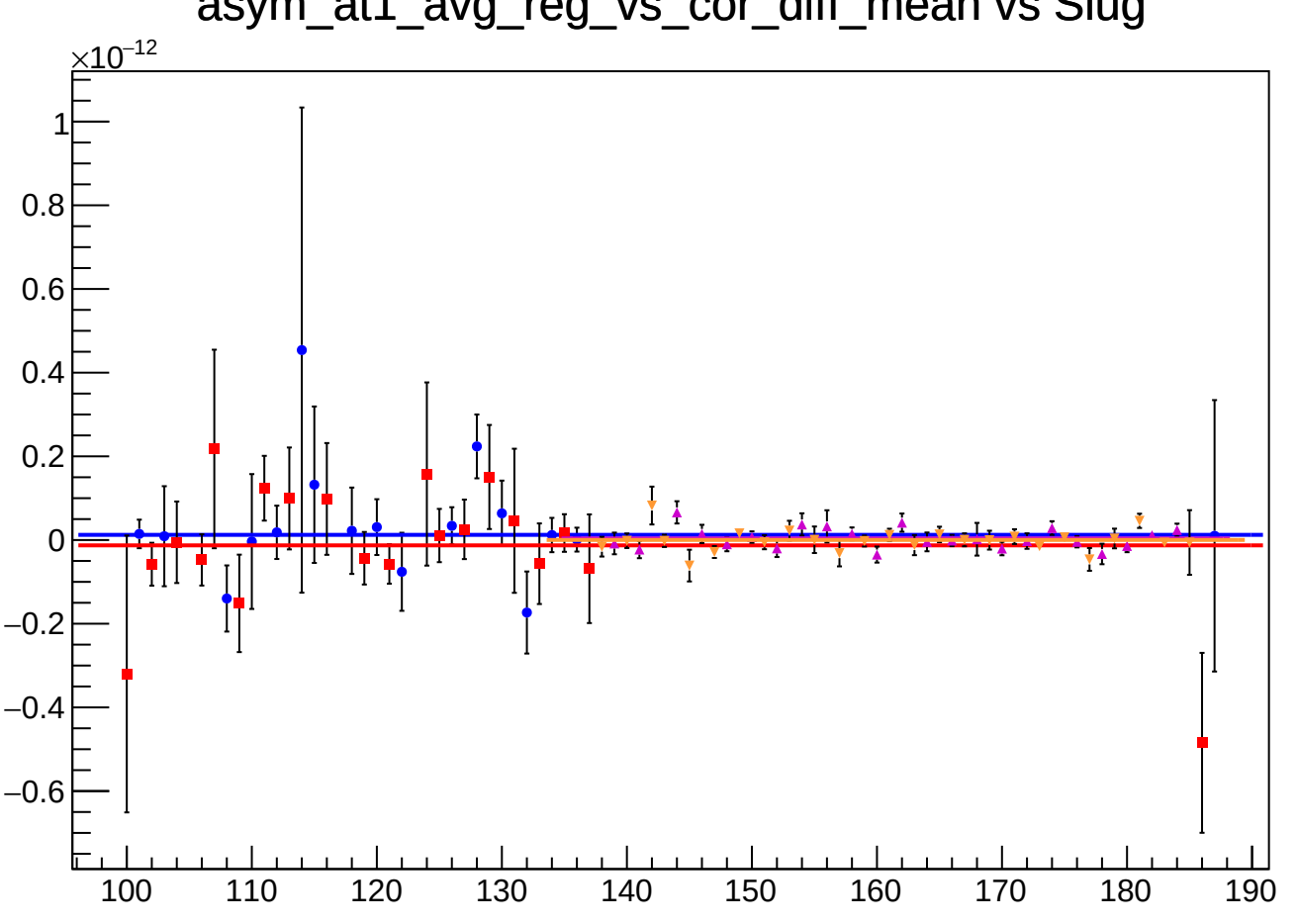
Right Out: 2165.444+/-0.562 χ^2/NDF: 824221.7/19

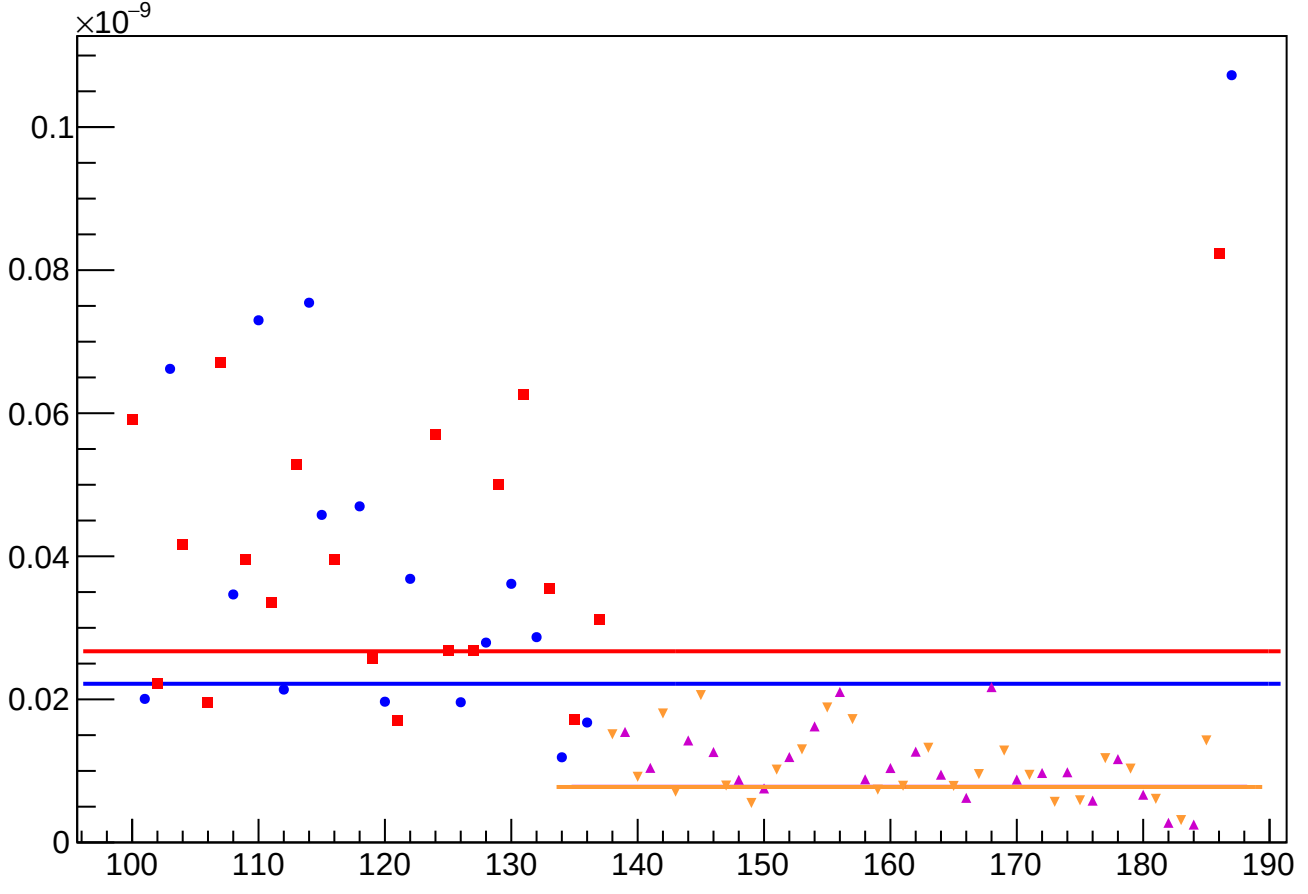
Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 1990.291+/-0.274 χ^2/NDF: 944333.0/41

All: 1994.809+/-0.196 χ^2/NDF: 1980813.1/84

- sign 1999.489+/-0.279 χ^2/NDF: 1035927.9/42


asym_at1_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.8/16
Left Out: 0.000+/-0.000 χ²/NDF:28.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.6/19
Left In: 0.000+/-0.000 χ²/NDF:31.1/22
+ sign 0.000+/-0.000 χ²/NDF: 47.1/41
All: 0.000+/-0.000 χ²/NDF: 97.9/84
- sign 0.000+/-0.000 χ²/NDF: 50.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1170485.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 840200.5/19

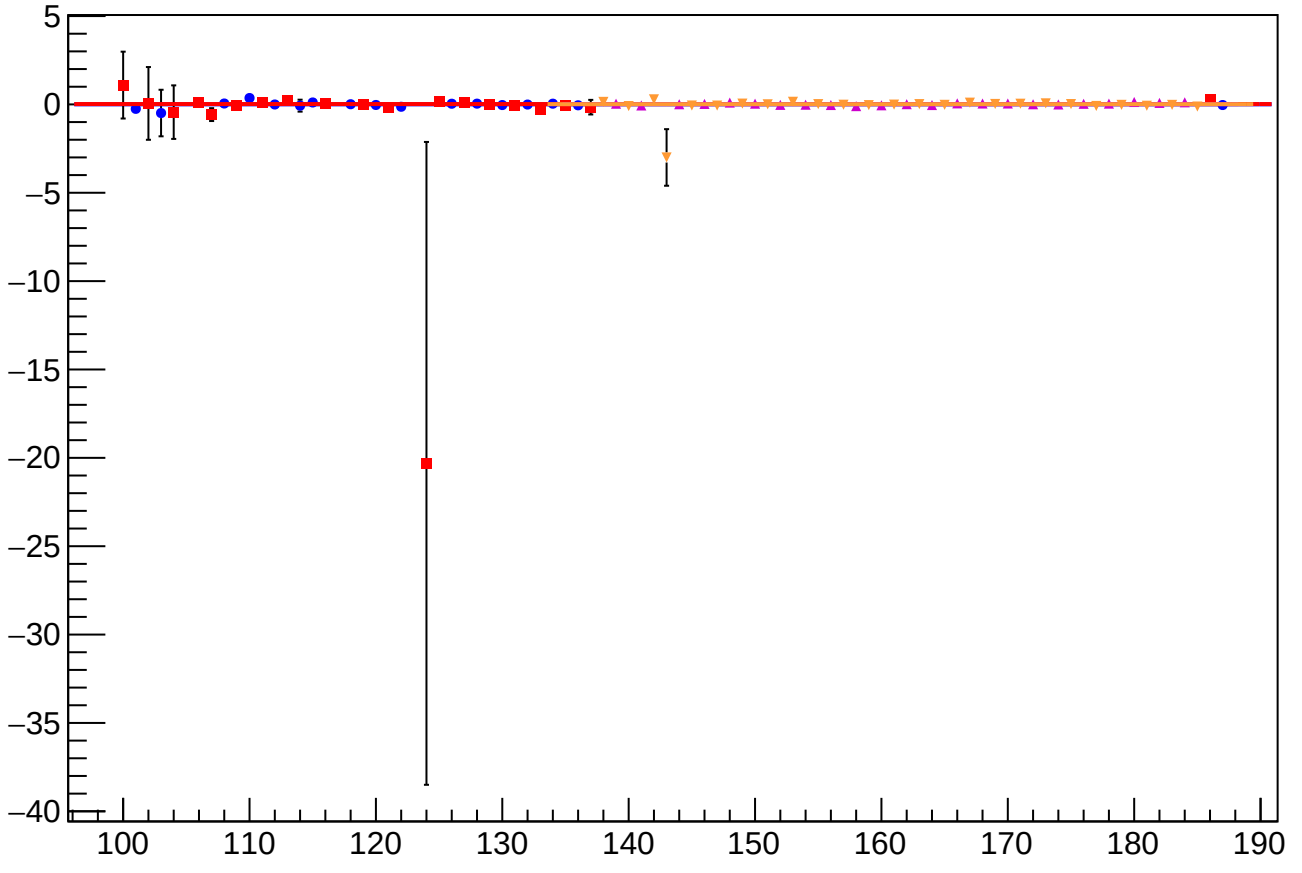
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5161801.6/41

All: 0.000+/-0.000 χ^2/NDF: 10756301.8/84

- sign 0.000+/-0.000 χ^2/NDF: 5594367.8/42

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.020+/-0.026 χ^2/NDF: 20.5/19

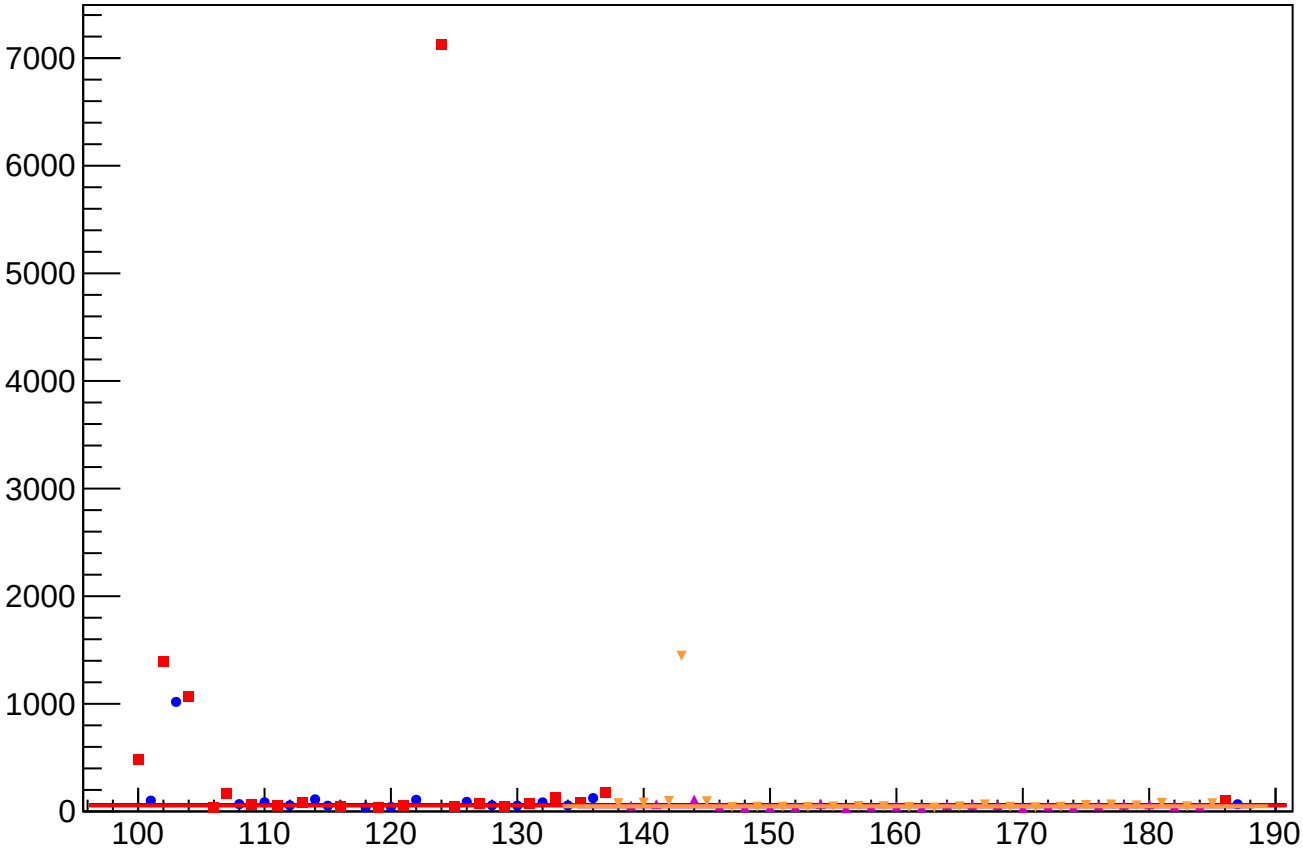
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/41

All: 0.014+/-0.008 χ^2/NDF: 82.3/84

- sign 0.018+/-0.011 χ^2/NDF: 40.9/42

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.011+/-0.019 χ^2/NDF: 2542116.4/16

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

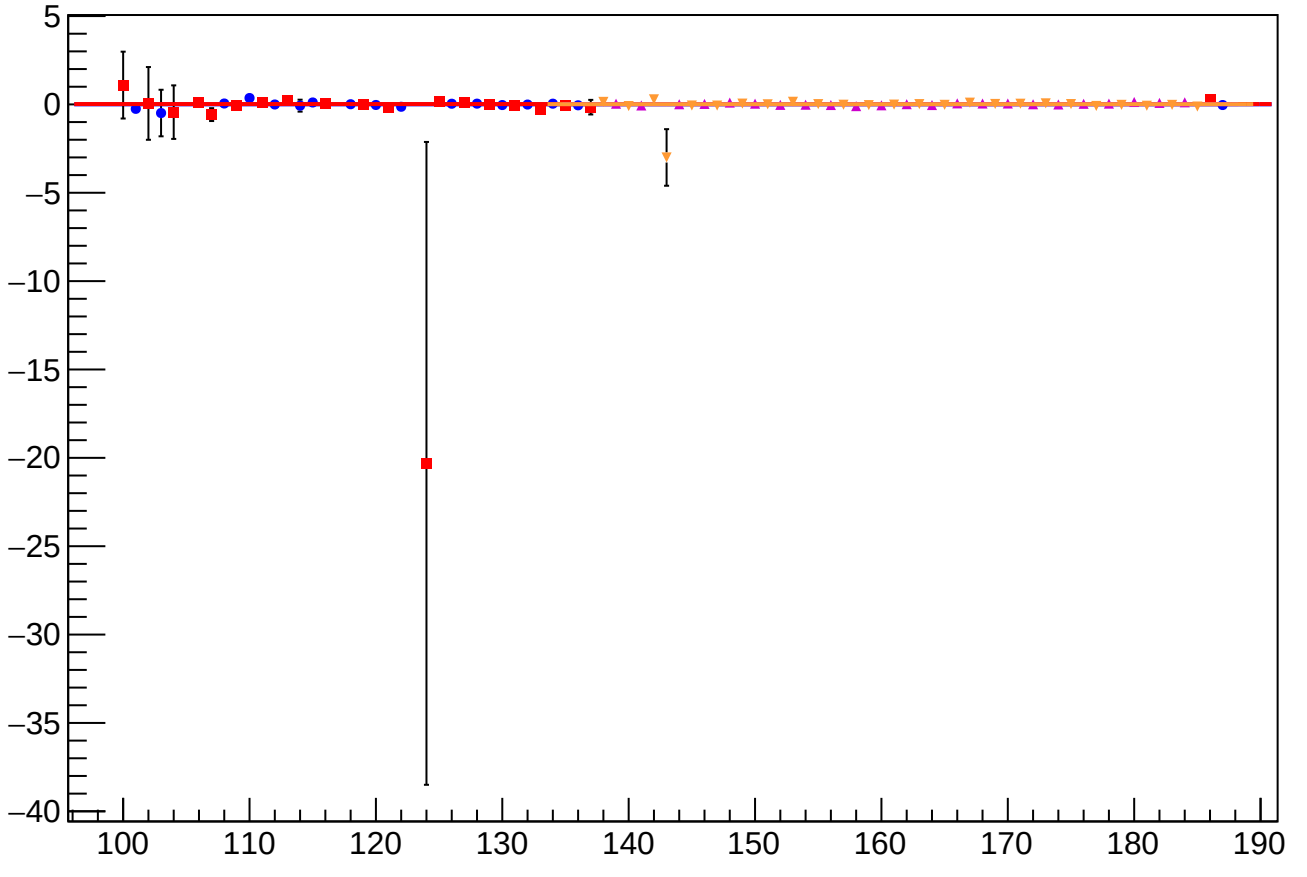
Right Out: 55.406+/-0.018 χ^2/NDF: 3690044.9/19

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.105+/-0.008 χ^2/NDF: 6383559.5/41

All: 49.239+/-0.006 χ^2/NDF: 12232078.8/84

- sign 48.403+/-0.008 χ^2/NDF: 5825210.3/42



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.020+/-0.026 χ^2/NDF: 20.5/19

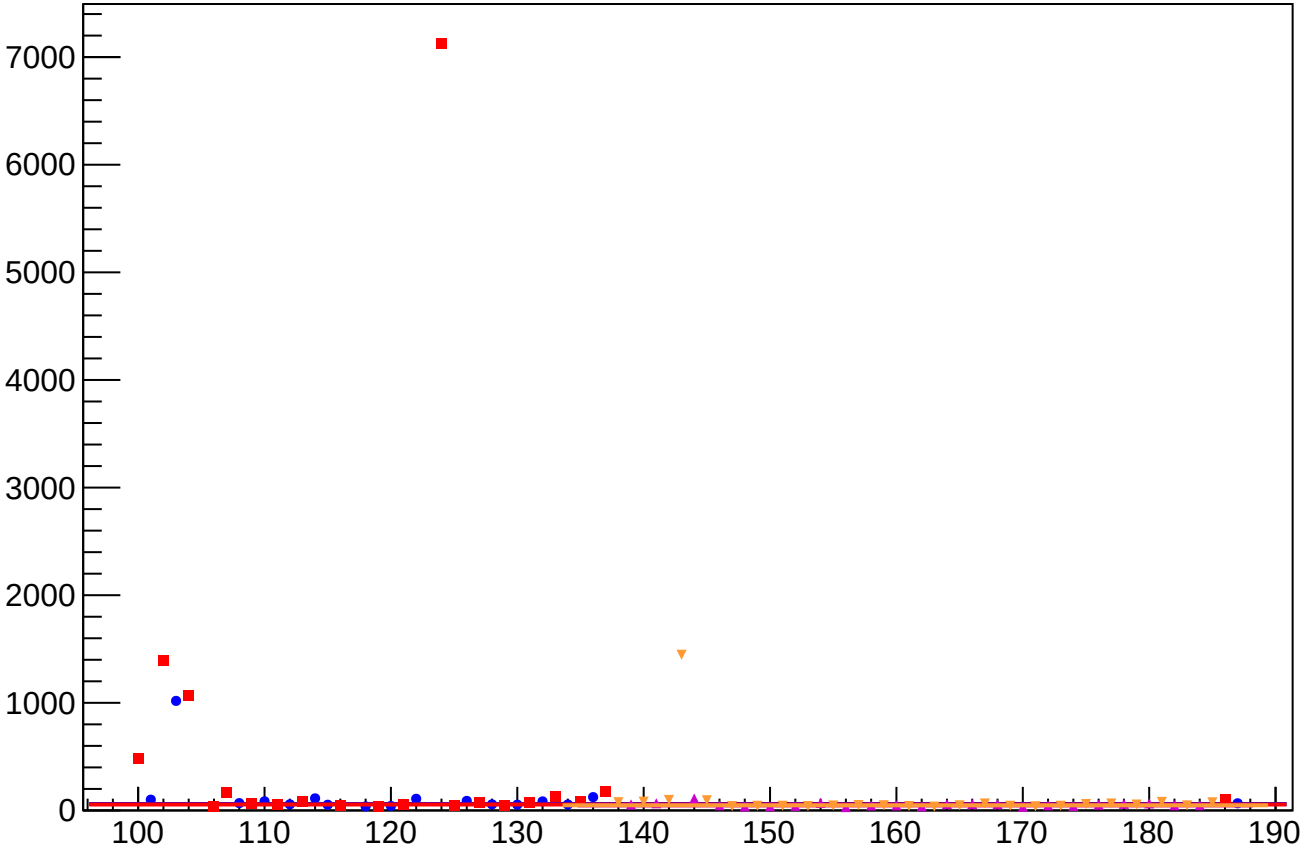
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/41

All: 0.014+/-0.008 χ^2/NDF: 82.3/84

- sign 0.018+/-0.011 χ^2/NDF: 40.9/42

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.011+/-0.019 χ^2/NDF: 2542116.4/16

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

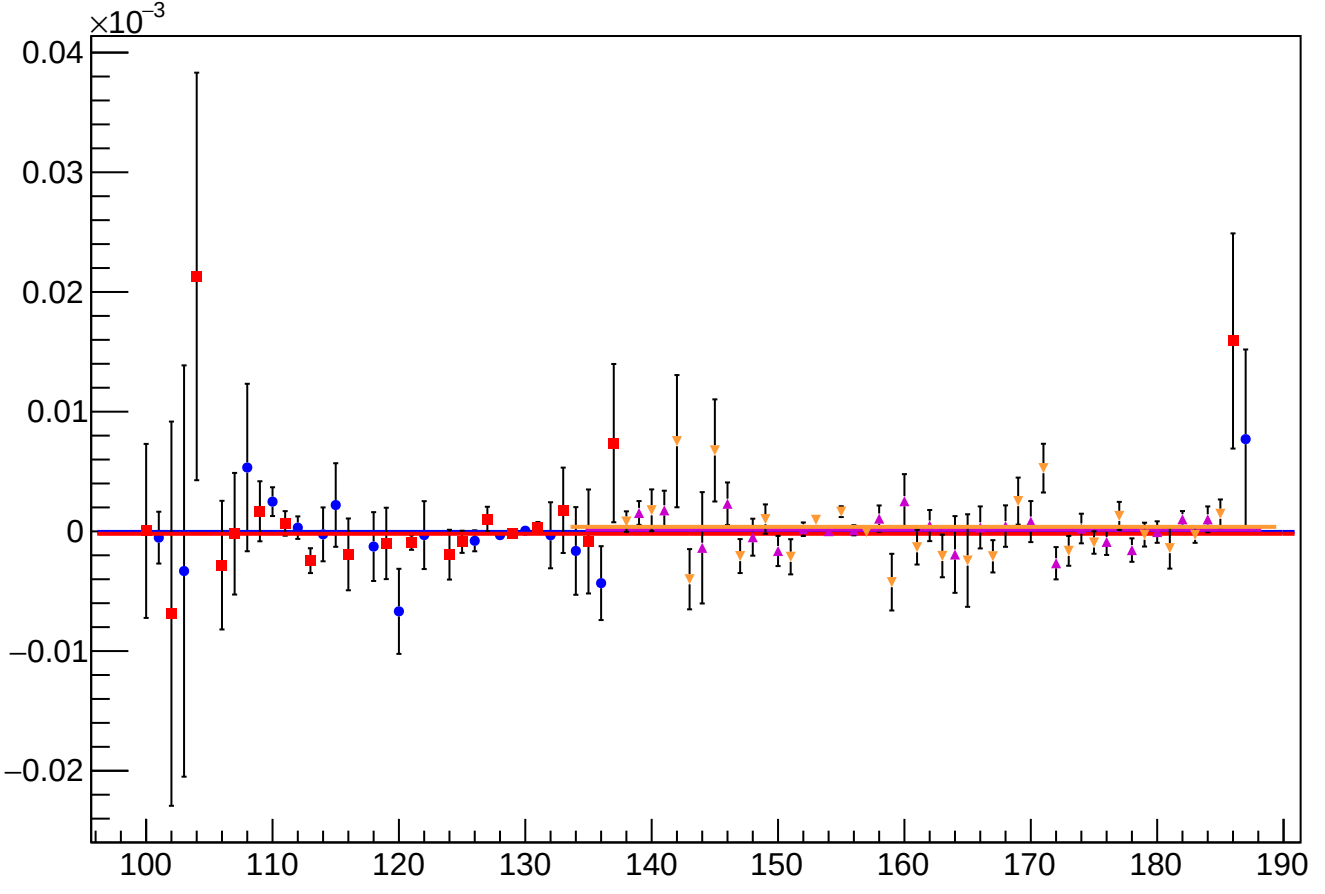
Right Out: 55.406+/-0.018 χ^2/NDF: 3690044.9/19

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 50.105+/-0.008 χ^2/NDF: 6383559.5/41

All: 49.239+/-0.006 χ^2/NDF: 12232078.8/84

- sign 48.403+/-0.008 χ^2/NDF: 5825210.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

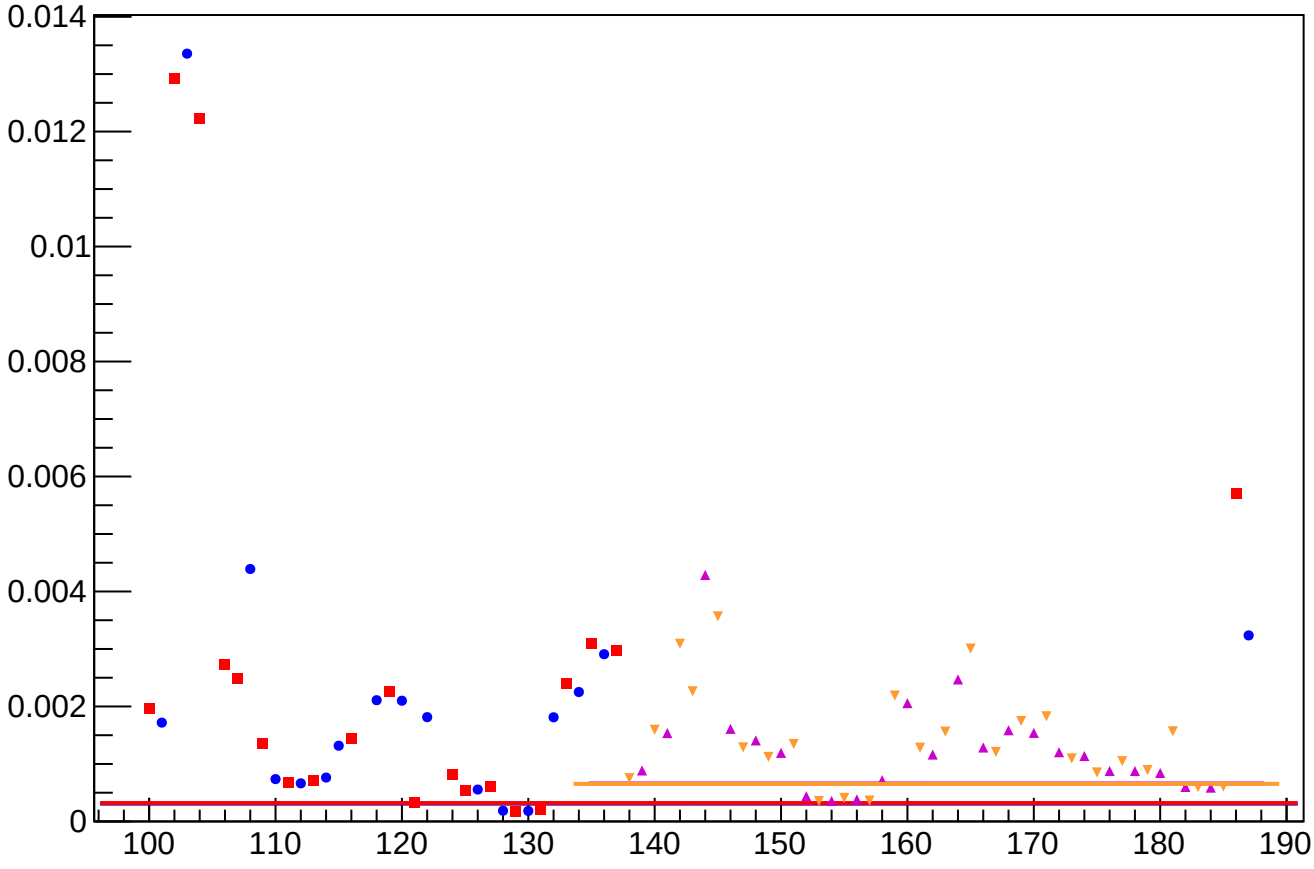
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.1/41

All: 0.000+/-0.000 χ^2/NDF: 109.7/84

- sign -0.000+/-0.000 χ^2/NDF: 40.4/42

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9061555.7/16

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

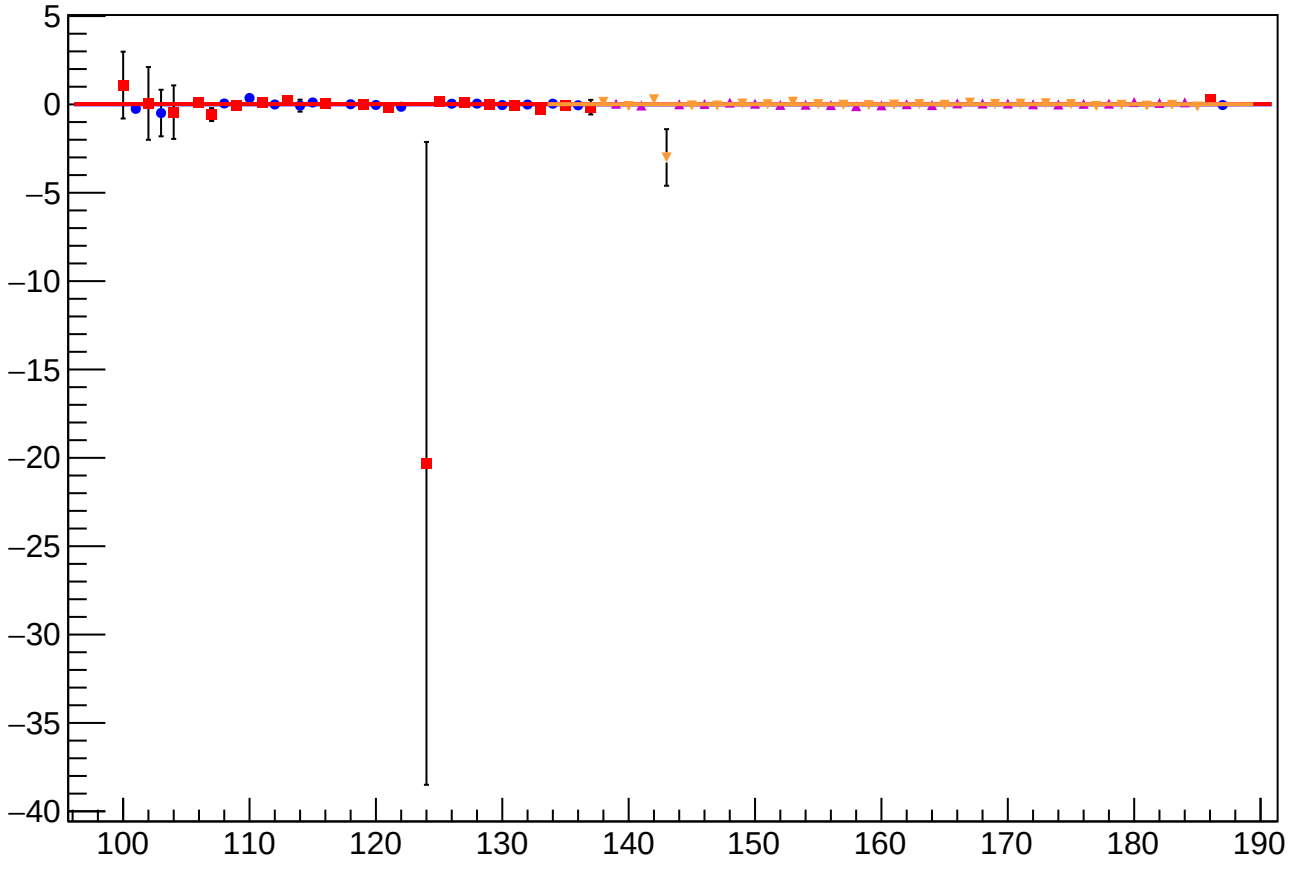
Right Out: 0.000+/-0.000 χ^2/NDF: 8732251.4/19

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 24482557.7/41

All: 0.000+/-0.000 χ^2/NDF: 46123918.0/84

- sign 0.000+/-0.000 χ^2/NDF: 21641019.0/42



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.020+/-0.025 χ^2/NDF: 20.5/19

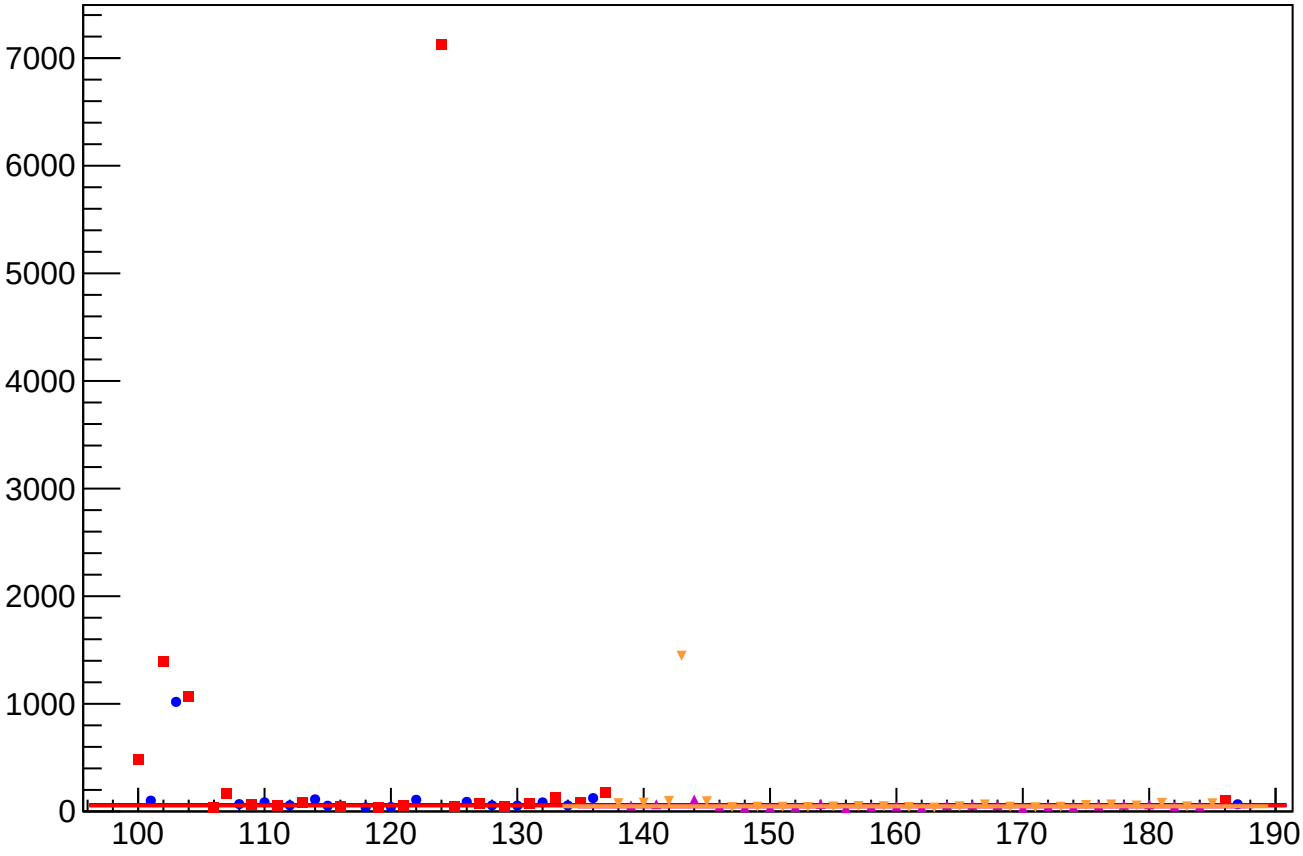
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/41

All: 0.014+/-0.008 χ^2/NDF: 82.3/84

- sign 0.018+/-0.011 χ^2/NDF: 40.9/42

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.011+/-0.019 χ^2/NDF: 2542132.8/16

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

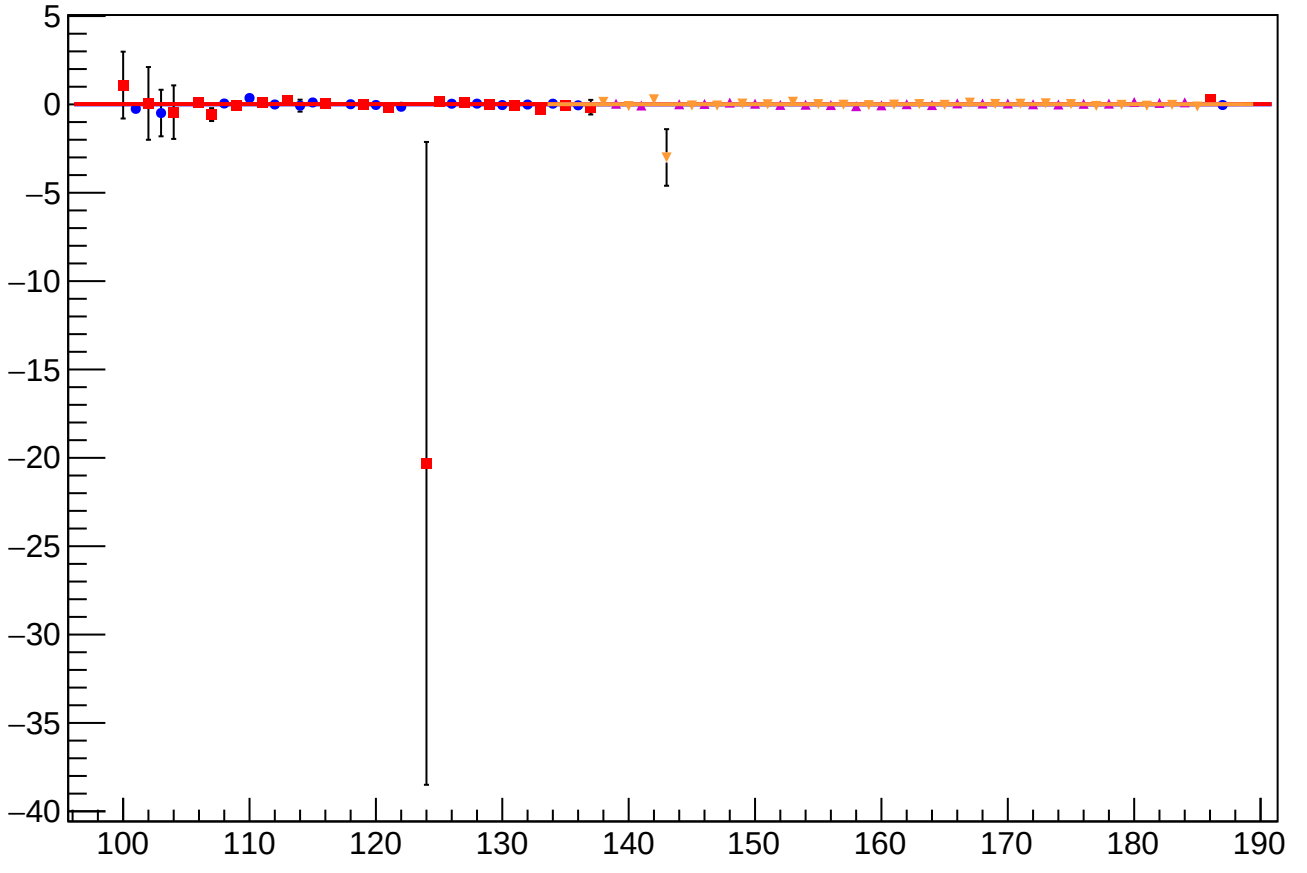
Right Out: 55.405+/-0.018 χ^2/NDF: 3690127.6/19

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.106+/-0.008 χ^2/NDF: 6383531.4/41

All: 49.238+/-0.006 χ^2/NDF: 12232096.7/84

- sign 48.403+/-0.008 χ^2/NDF: 5825246.9/42



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.020+/-0.025 χ^2/NDF: 20.5/19

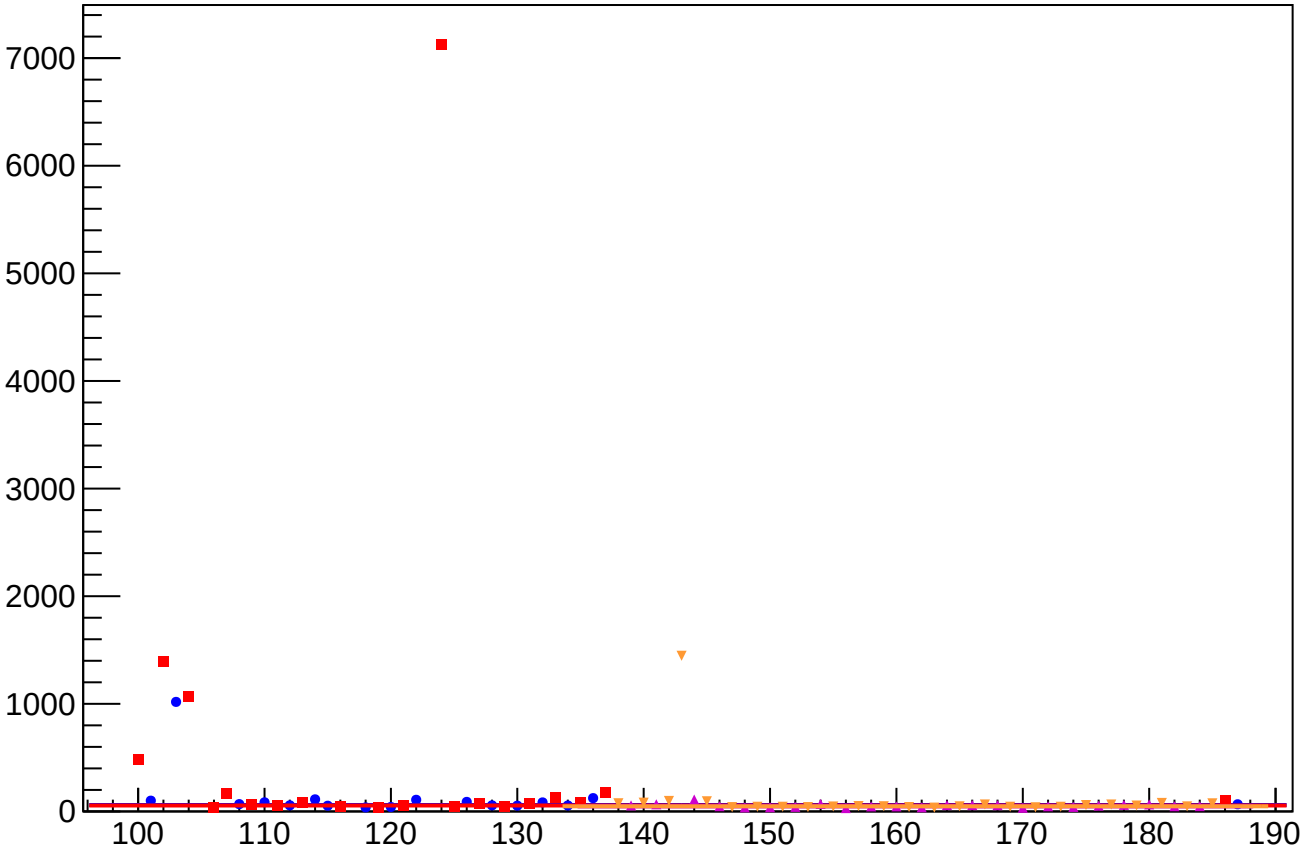
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.010+/-0.011 χ^2/NDF: 41.1/41

All: 0.014+/-0.008 χ^2/NDF: 82.3/84

- sign 0.018+/-0.011 χ^2/NDF: 40.9/42

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.011+/-0.019 χ^2/NDF: 2542132.8/16

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

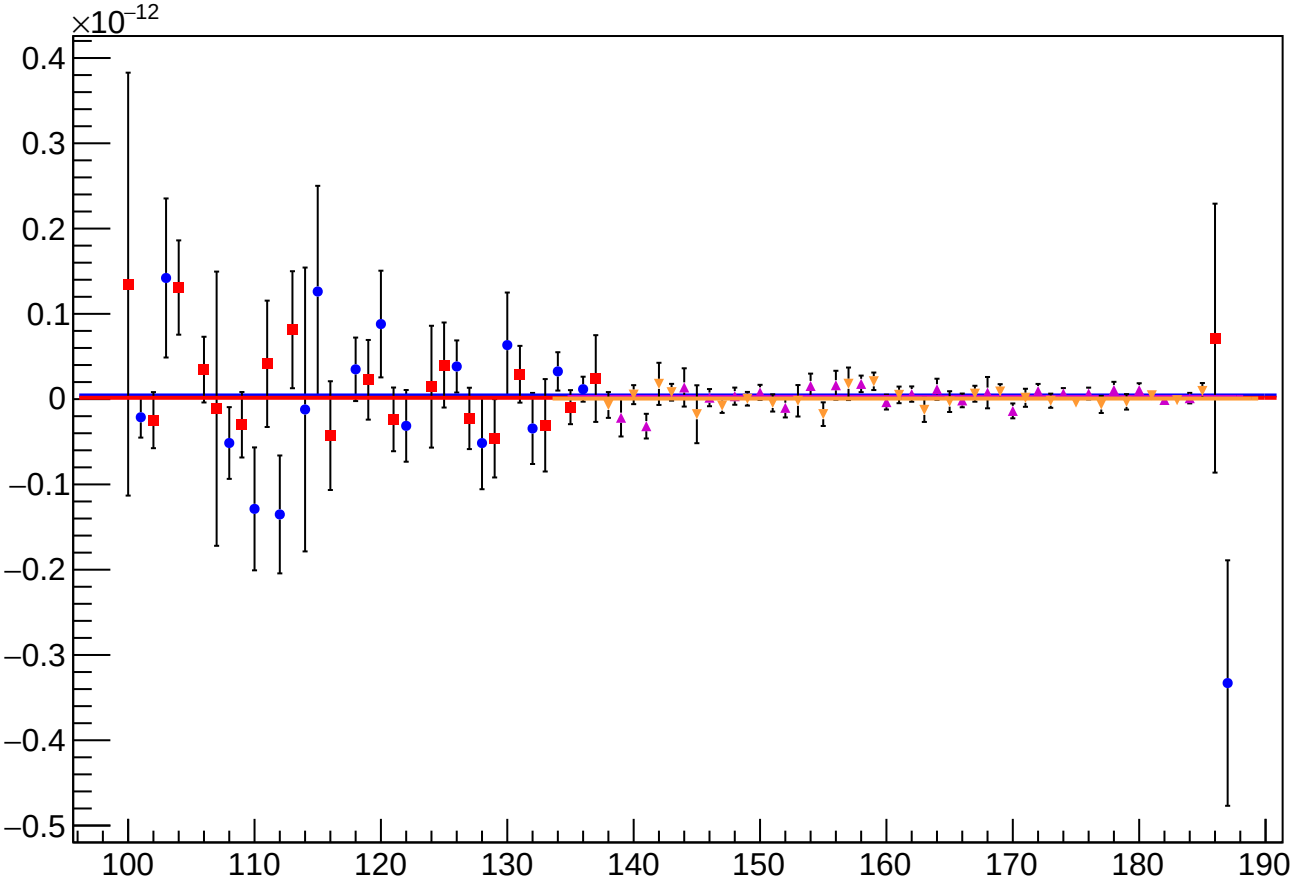
Right Out: 55.405+/-0.018 χ^2/NDF: 3690127.6/19

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 50.106+/-0.008 χ^2/NDF: 6383531.4/41

All: 49.238+/-0.006 χ^2/NDF: 12232096.7/84

- sign 48.403+/-0.008 χ^2/NDF: 5825246.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

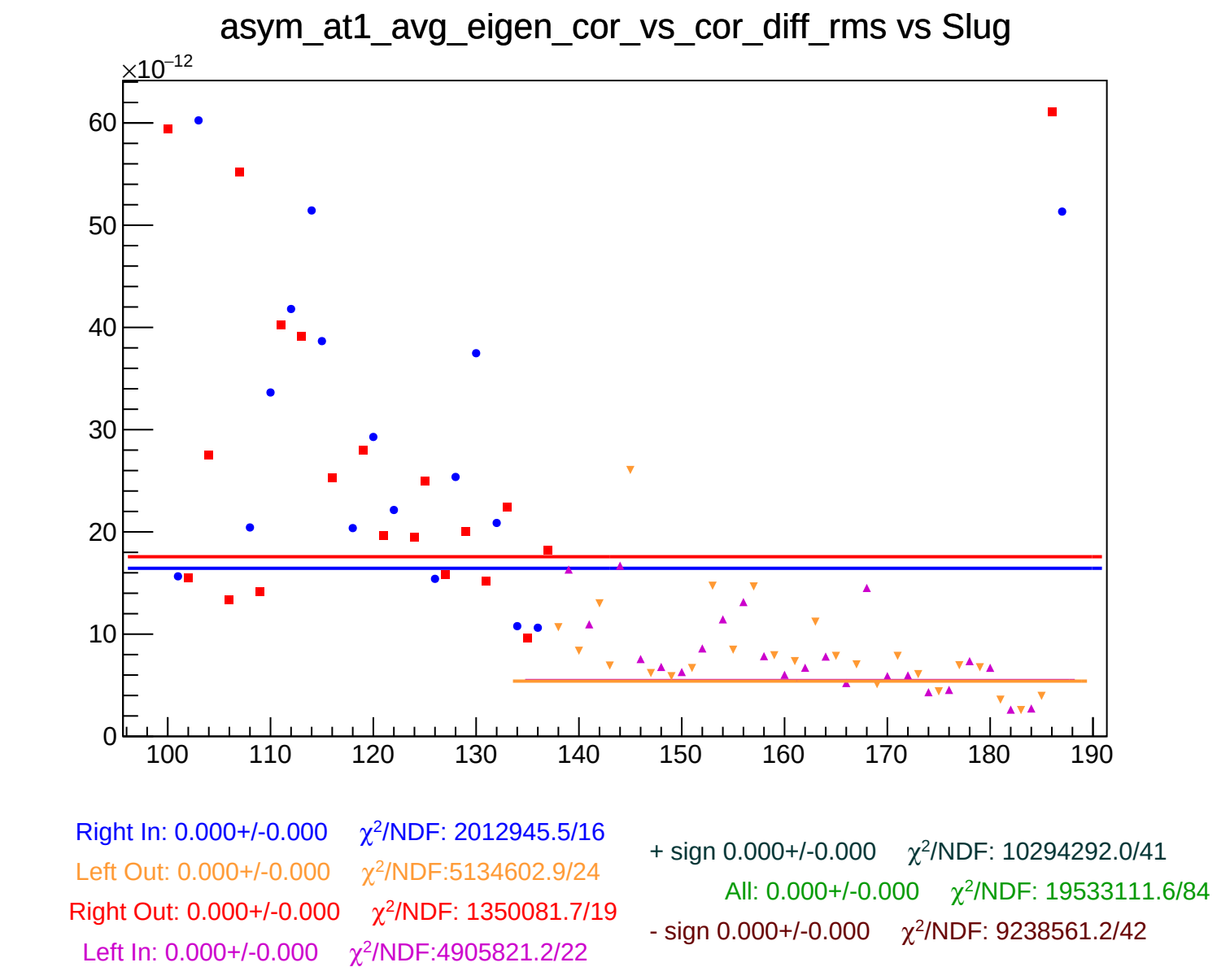
Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/19

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

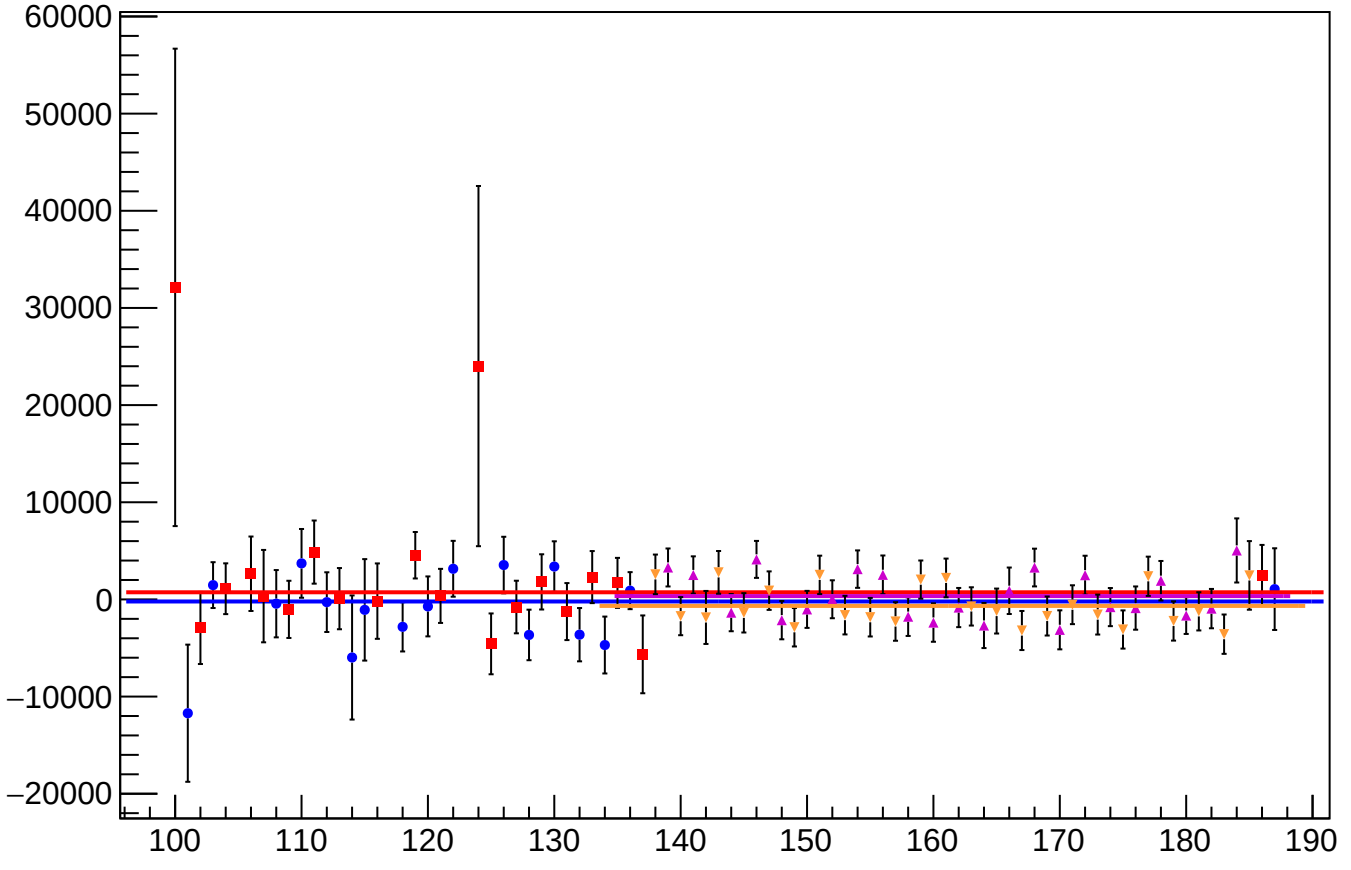
+ sign 0.000+/-0.000 χ^2/NDF: 43.4/41

All: 0.000+/-0.000 χ^2/NDF: 80.2/84

- sign 0.000+/-0.000 χ^2/NDF: 36.3/42


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2012945.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5134602.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1350081.7/19
Left In: 0.000+/-0.000 χ²/NDF:4905821.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10294292.0/41
All: 0.000+/-0.000 χ²/NDF: 19533111.6/84
- sign 0.000+/-0.000 χ²/NDF: 9238561.2/42

reg_asym_at1_dd_mean vs Slug



Right In: -212.413+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 734.474+/-715.767 χ^2/NDF: 16.2/19

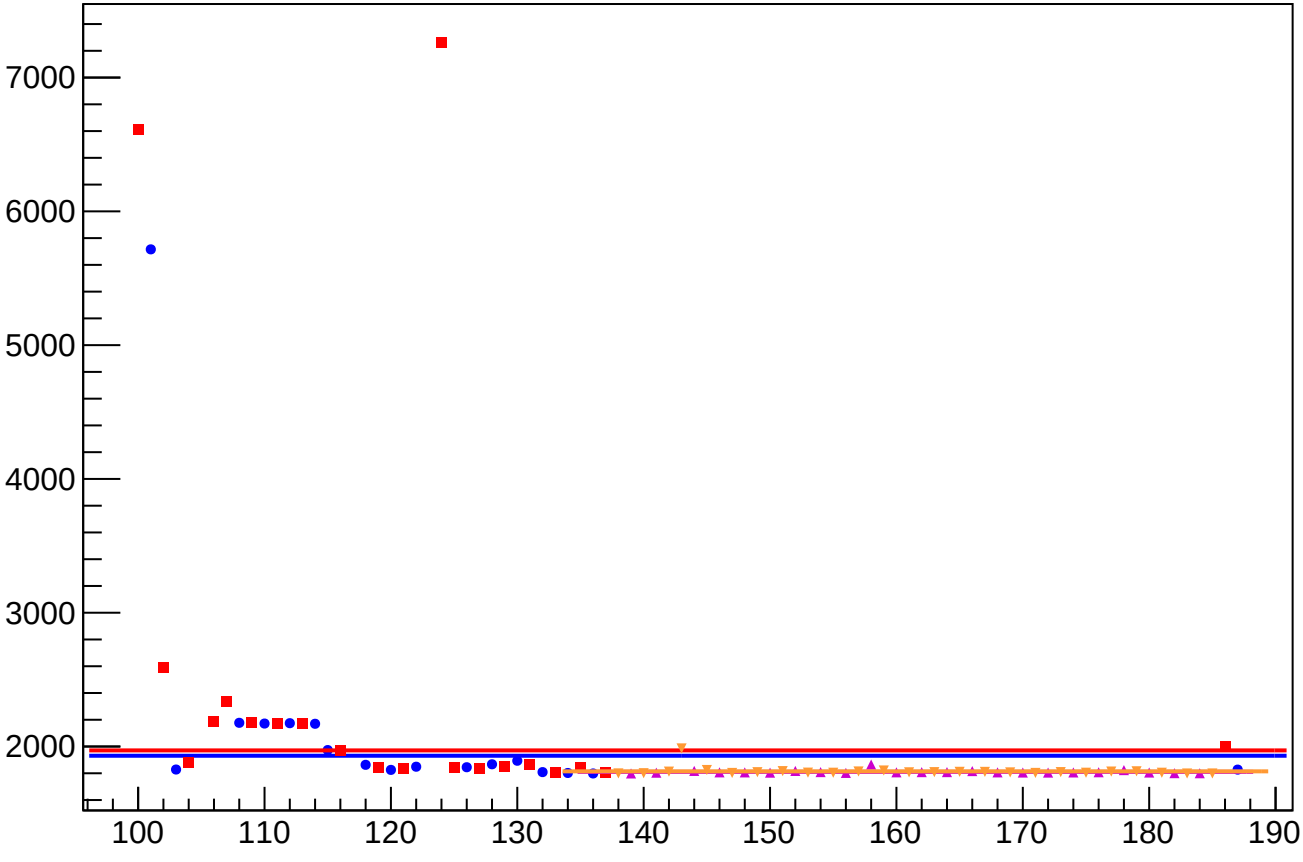
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -558.043+/-358.231 χ^2/NDF: 42.4/41

All: -64.901+/-255.315 χ^2/NDF: 92.8/84

- sign 444.189+/-363.978 χ^2/NDF: 46.5/42

reg_asym_at1_dd_rms vs Slug



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.9/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1970.956+/-0.506 χ^2/NDF: 378593.4/19

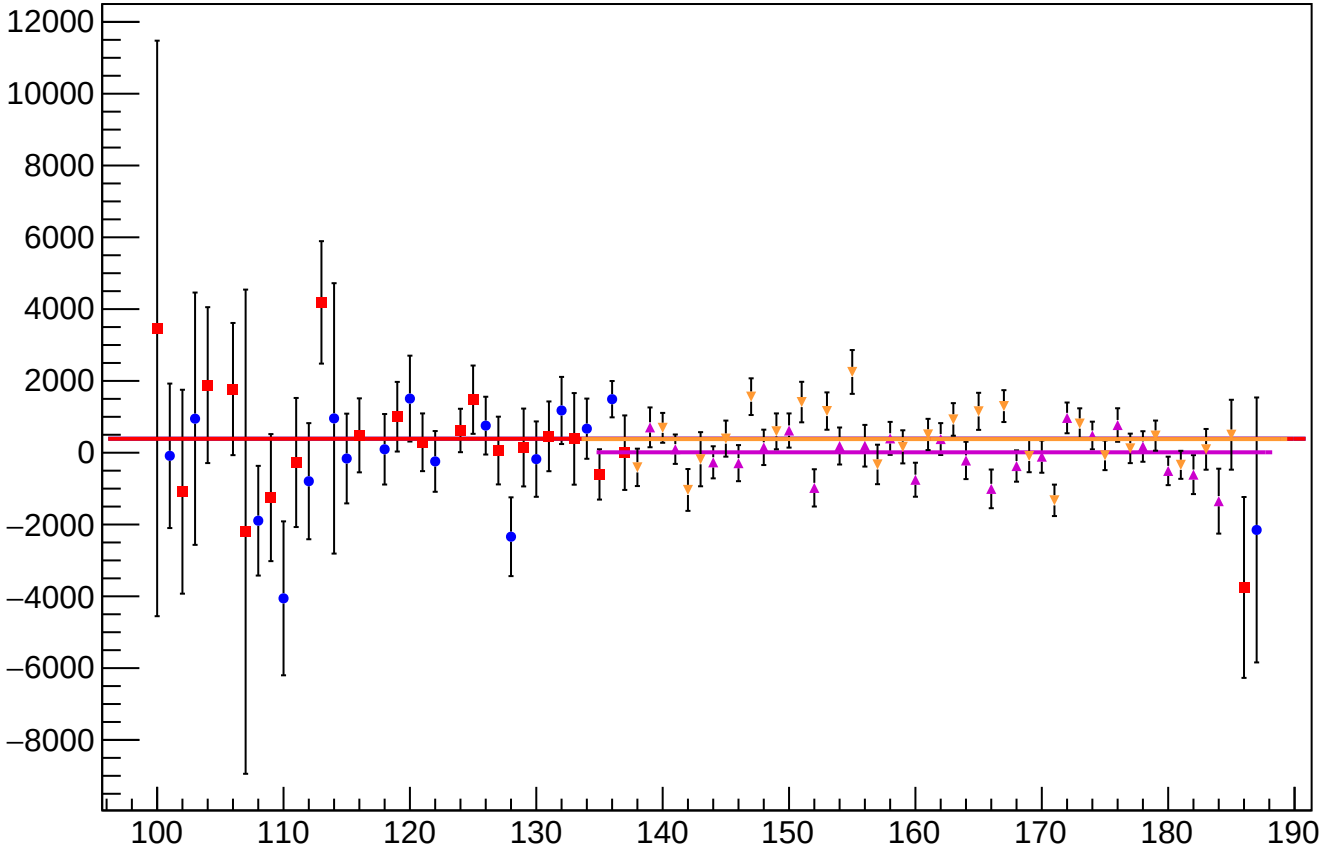
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.974+/-0.253 χ^2/NDF: 693448.7/41

All: 1847.396+/-0.181 χ^2/NDF: 1149185.7/84

- sign 1851.960+/-0.257 χ^2/NDF: 455117.7/42

asym_at1_dd_reg_correction_mean vs Slug



Right In: 390.146+/-257.942 χ^2/NDF: 21.6/16

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 388.356+/-251.560 χ^2/NDF: 14.5/19

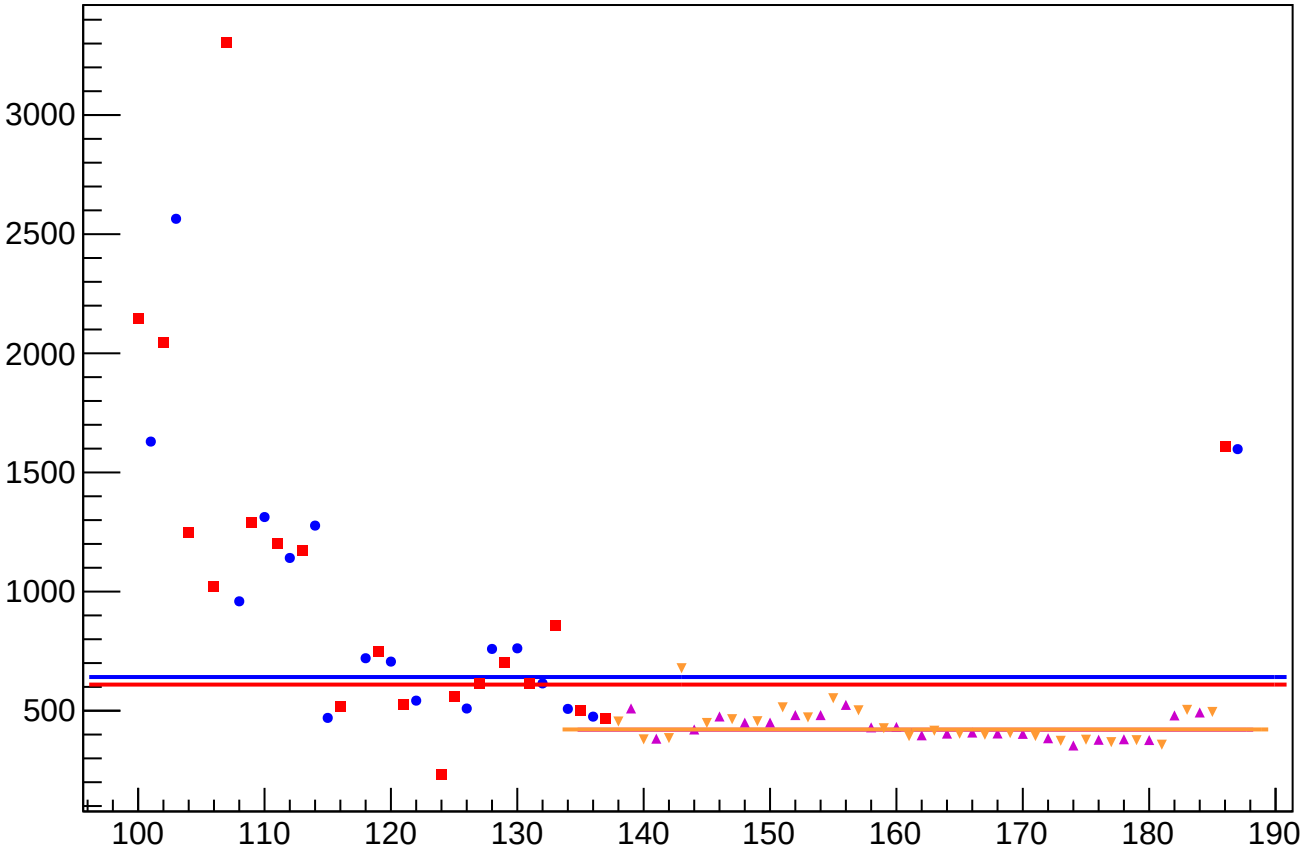
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 380.690+/-90.803 χ^2/NDF: 83.9/41

All: 223.631+/-64.662 χ^2/NDF: 137.5/84

- sign 62.042+/-92.103 χ^2/NDF: 47.5/42

asym_at1_dd_reg_correction_rms vs Slug



Right In: 641.397+/-0.182 χ^2/NDF: 2201938.3/16

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 609.710+/-0.178 χ^2/NDF: 3262832.8/19

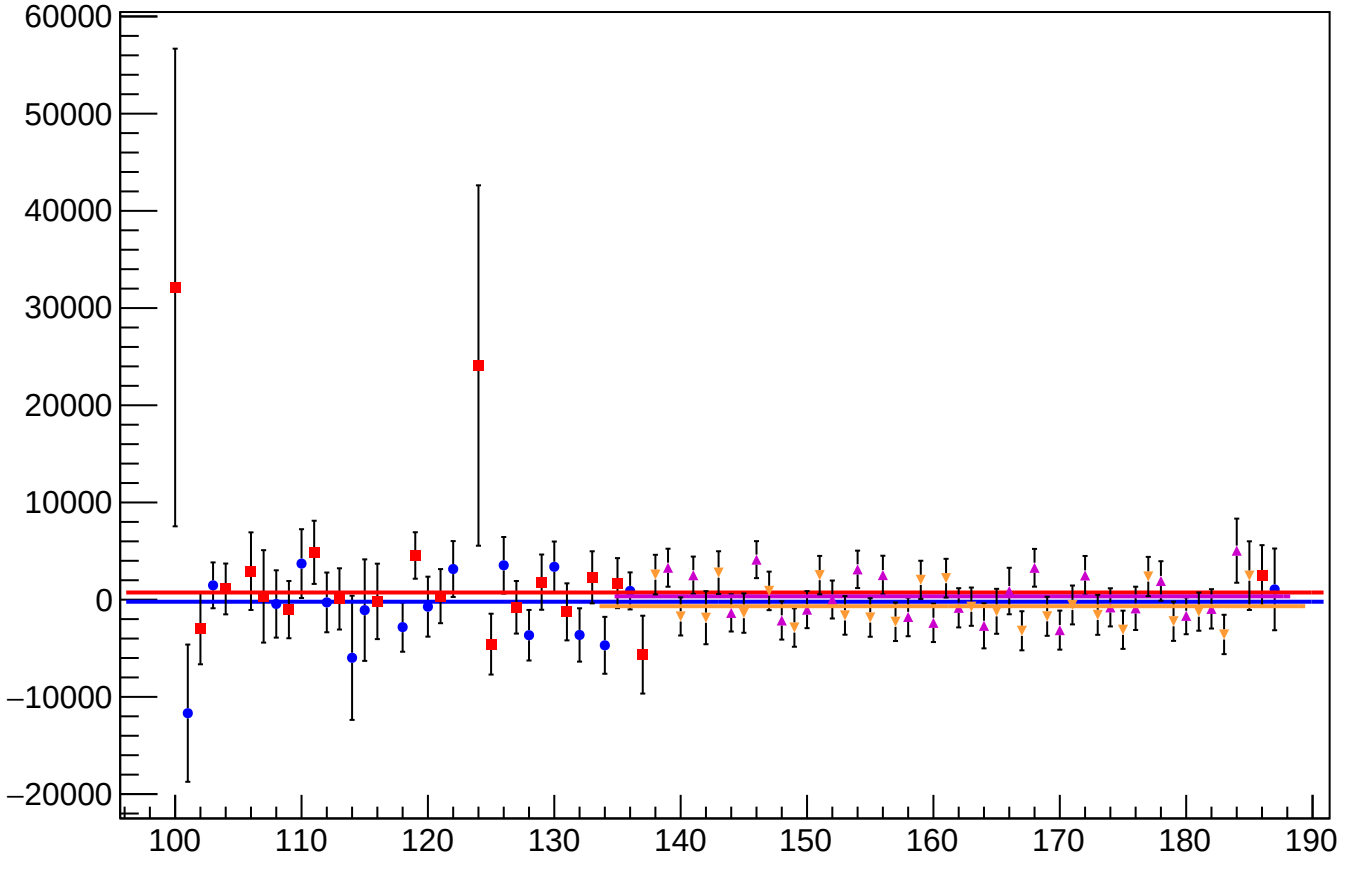
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 448.678+/-0.064 χ^2/NDF: 4219358.4/41

All: 447.172+/-0.046 χ^2/NDF: 8879089.9/84

- sign 445.623+/-0.065 χ^2/NDF: 4658616.2/42

cor_asym_at1_dd_mean vs Slug



Right In: -211.642+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 739.281+/-716.755 χ^2/NDF: 16.3/19

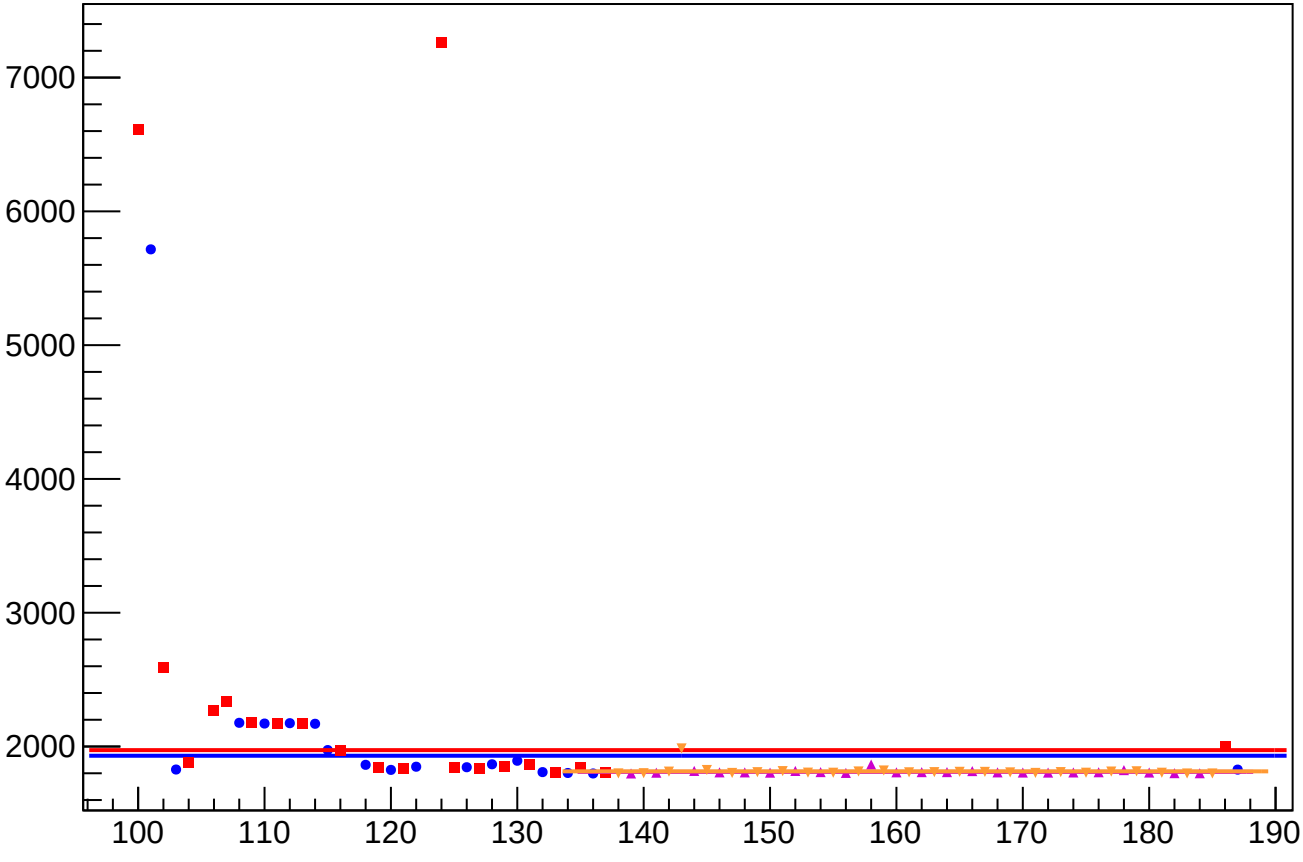
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -557.847+/-358.231 χ^2/NDF: 42.4/41

All: -64.455+/-255.360 χ^2/NDF: 92.8/84

- sign 445.256+/-364.107 χ^2/NDF: 46.6/42

cor_asym_at1_dd_rms vs Slug



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.8/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1972.999+/-0.507 χ^2/NDF: 383364.1/19

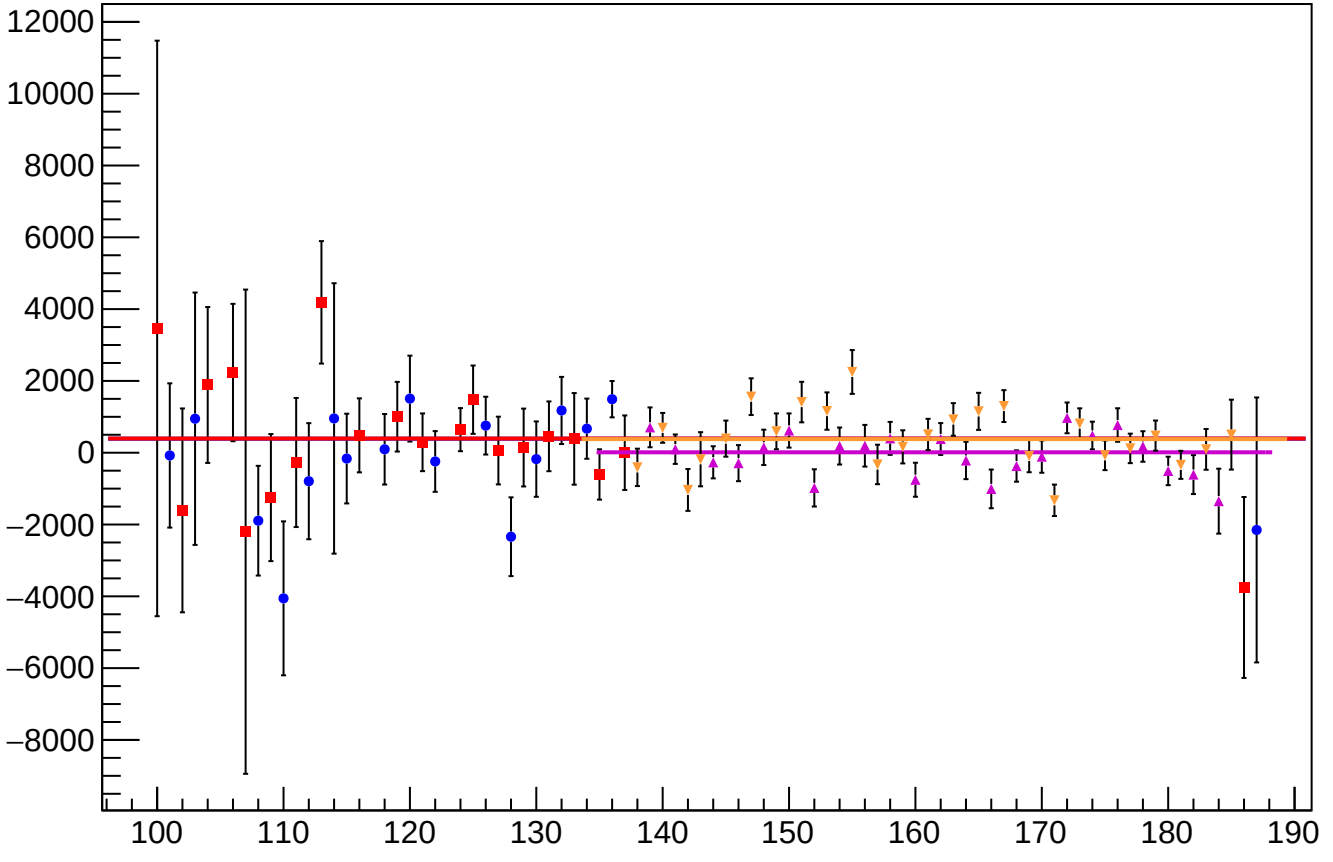
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.974+/-0.253 χ^2/NDF: 693448.6/41

All: 1847.612+/-0.181 χ^2/NDF: 1155772.8/84

- sign 1852.403+/-0.257 χ^2/NDF: 461642.8/42

asym_at1_dd_cor_correction_mean vs Slug



Right In: 390.224+/-257.931 χ^2/NDF: 21.6/16

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 394.961+/-251.411 χ^2/NDF: 15.1/19

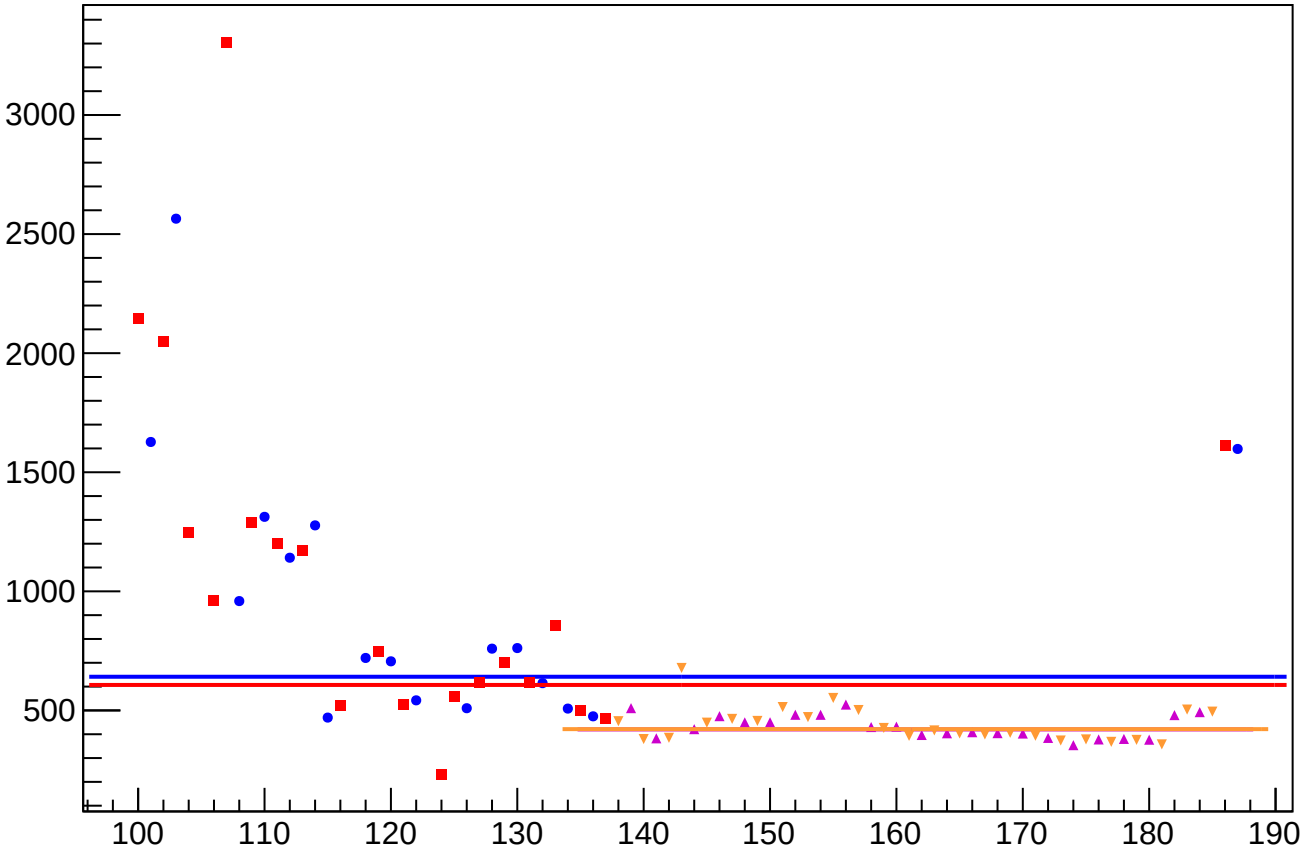
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 380.692+/-90.803 χ^2/NDF: 83.9/41

All: 224.085+/-64.660 χ^2/NDF: 138.2/84

- sign 62.989+/-92.096 χ^2/NDF: 48.2/42

asym_at1_dd_cor_correction_rms vs Slug



Right In: 641.395+/-0.182 χ^2/NDF: 2201070.9/16

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 606.956+/-0.178 χ^2/NDF: 3250920.2/19

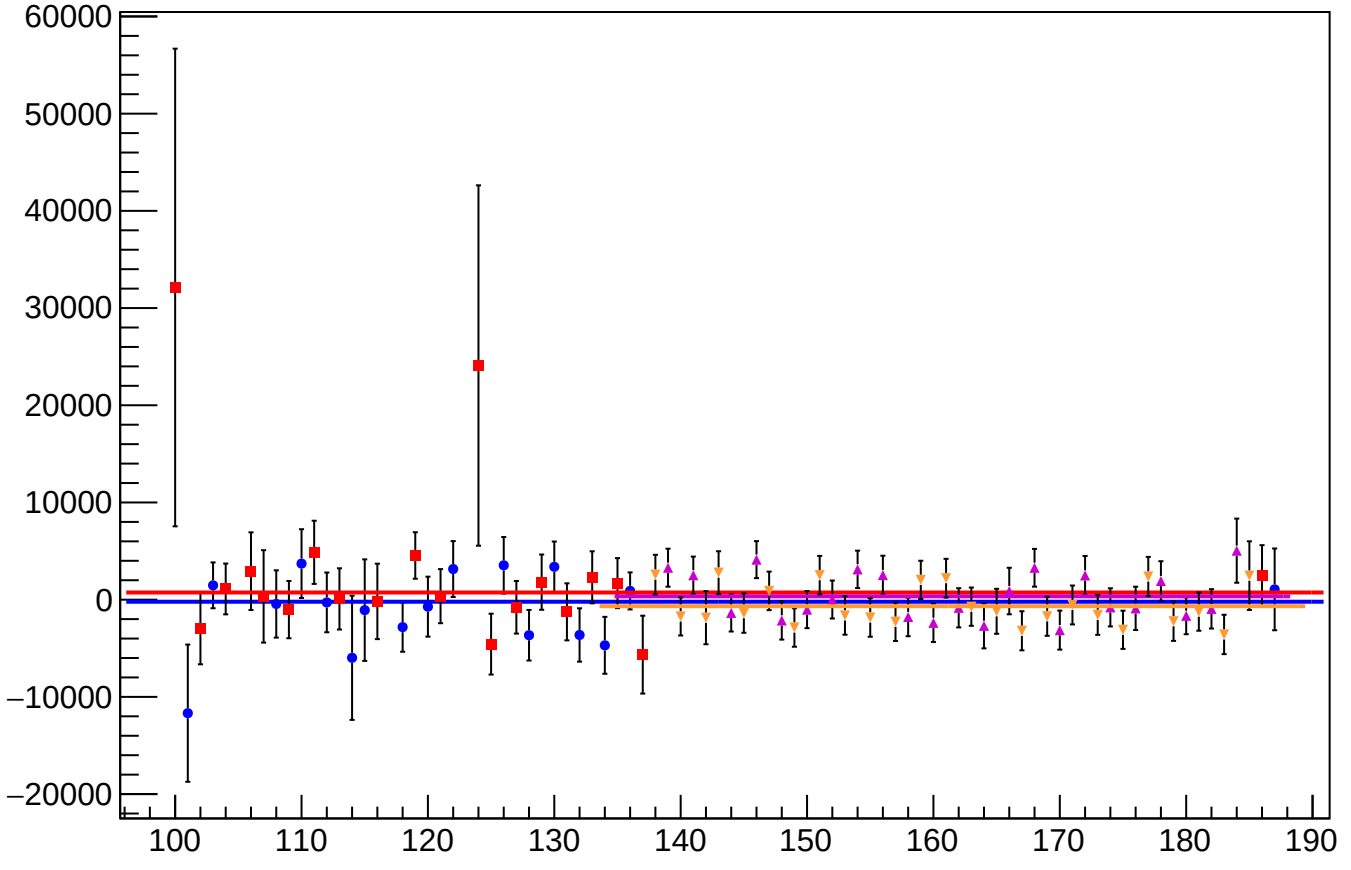
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 448.682+/-0.064 χ^2/NDF: 4218456.0/41

All: 447.003+/-0.046 χ^2/NDF: 8839259.4/84

- sign 445.276+/-0.065 χ^2/NDF: 4619415.9/42

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -211.642+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 739.281+/-716.755 χ^2/NDF: 16.3/19

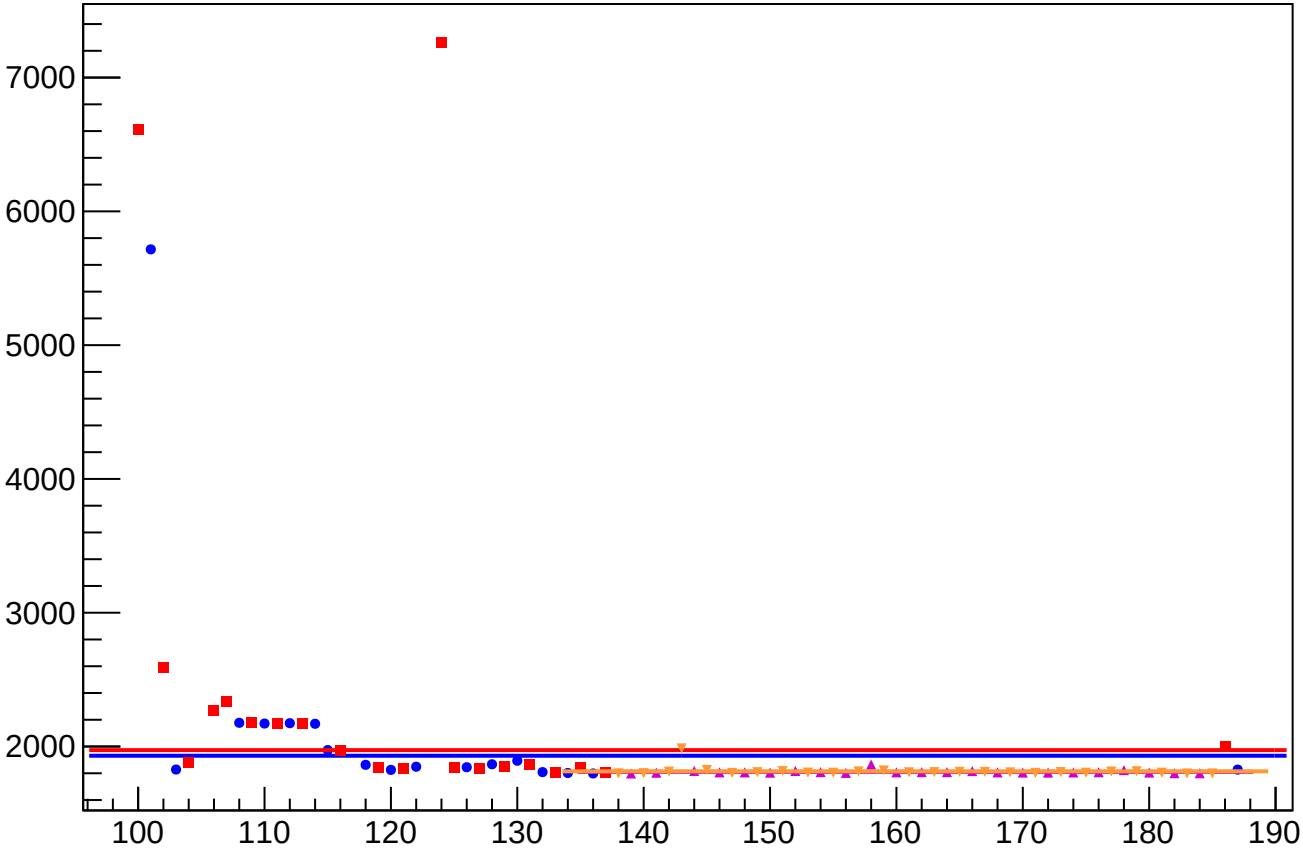
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -557.847+/-358.231 χ^2/NDF: 42.4/41

All: -64.455+/-255.360 χ^2/NDF: 92.8/84

- sign 445.256+/-364.107 χ^2/NDF: 46.6/42

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.8/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1972.999+/-0.507 χ^2/NDF: 383364.1/19

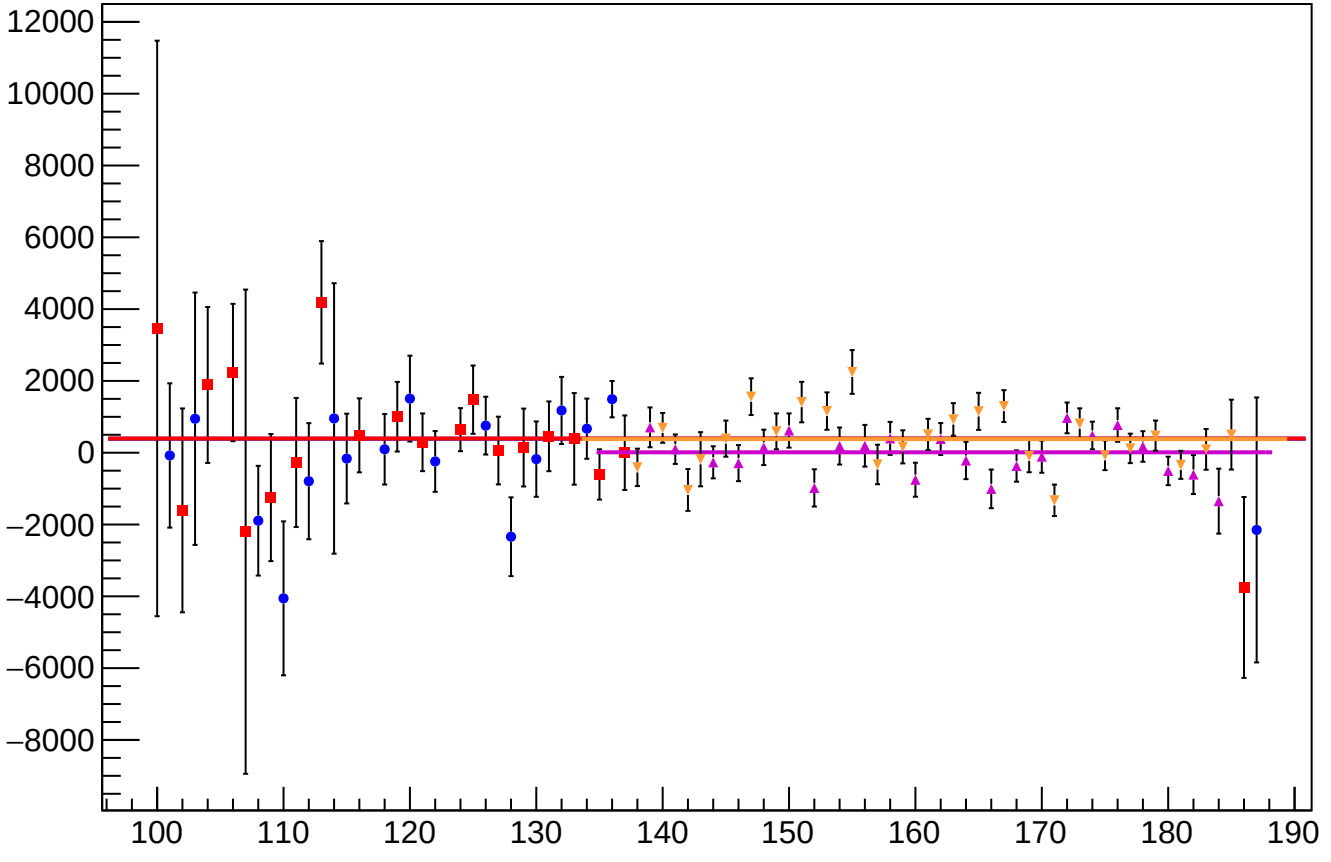
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1842.974+/-0.253 χ^2/NDF: 693448.6/41

All: 1847.612+/-0.181 χ^2/NDF: 1155772.8/84

- sign 1852.403+/-0.257 χ^2/NDF: 461642.8/42

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 390.224+/-257.931 χ^2/NDF: 21.6/16

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 394.961+/-251.411 χ^2/NDF: 15.1/19

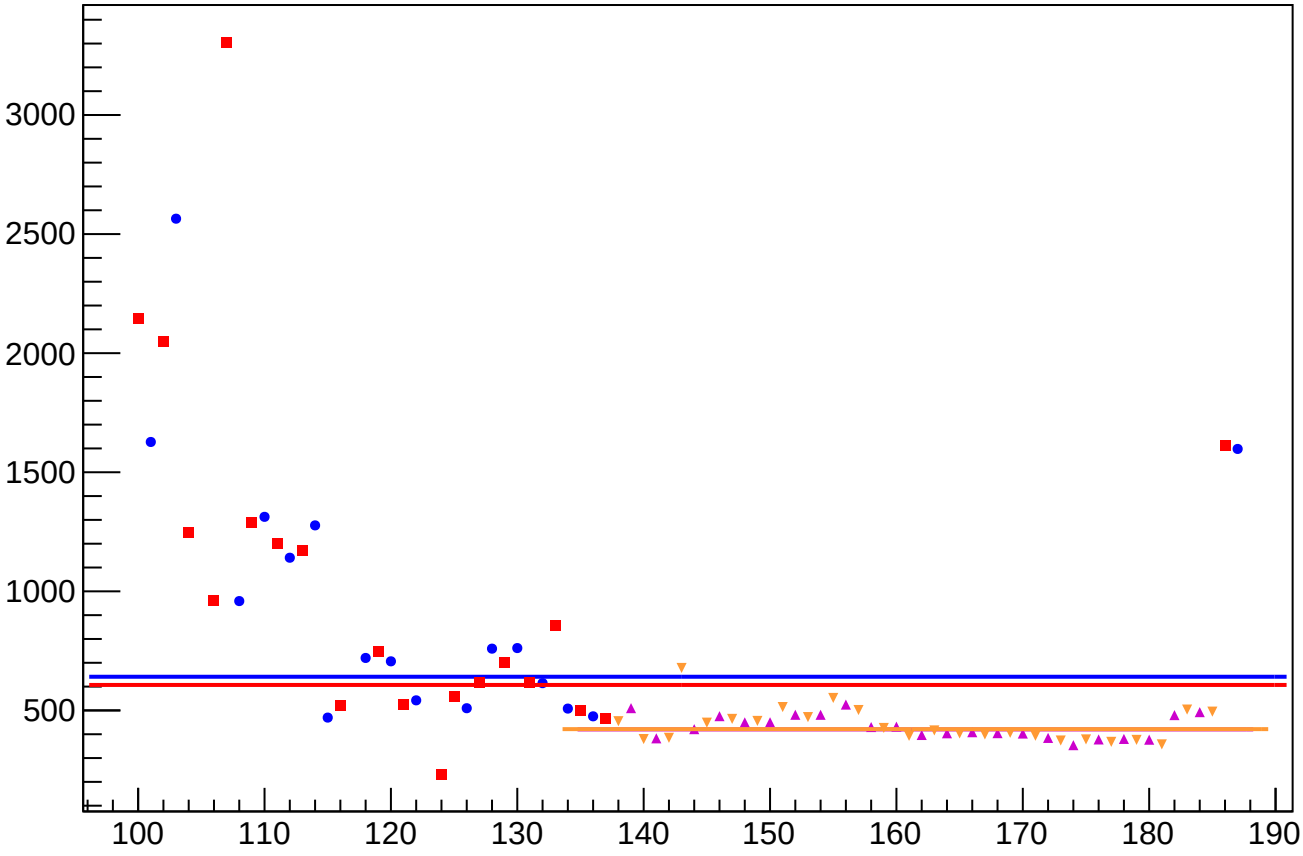
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 380.692+/-90.803 χ^2/NDF: 83.9/41

All: 224.085+/-64.660 χ^2/NDF: 138.2/84

- sign 62.989+/-92.096 χ^2/NDF: 48.2/42

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 641.395+/-0.182 χ^2/NDF: 2201070.9/16

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 606.956+/-0.178 χ^2/NDF: 3250920.2/19

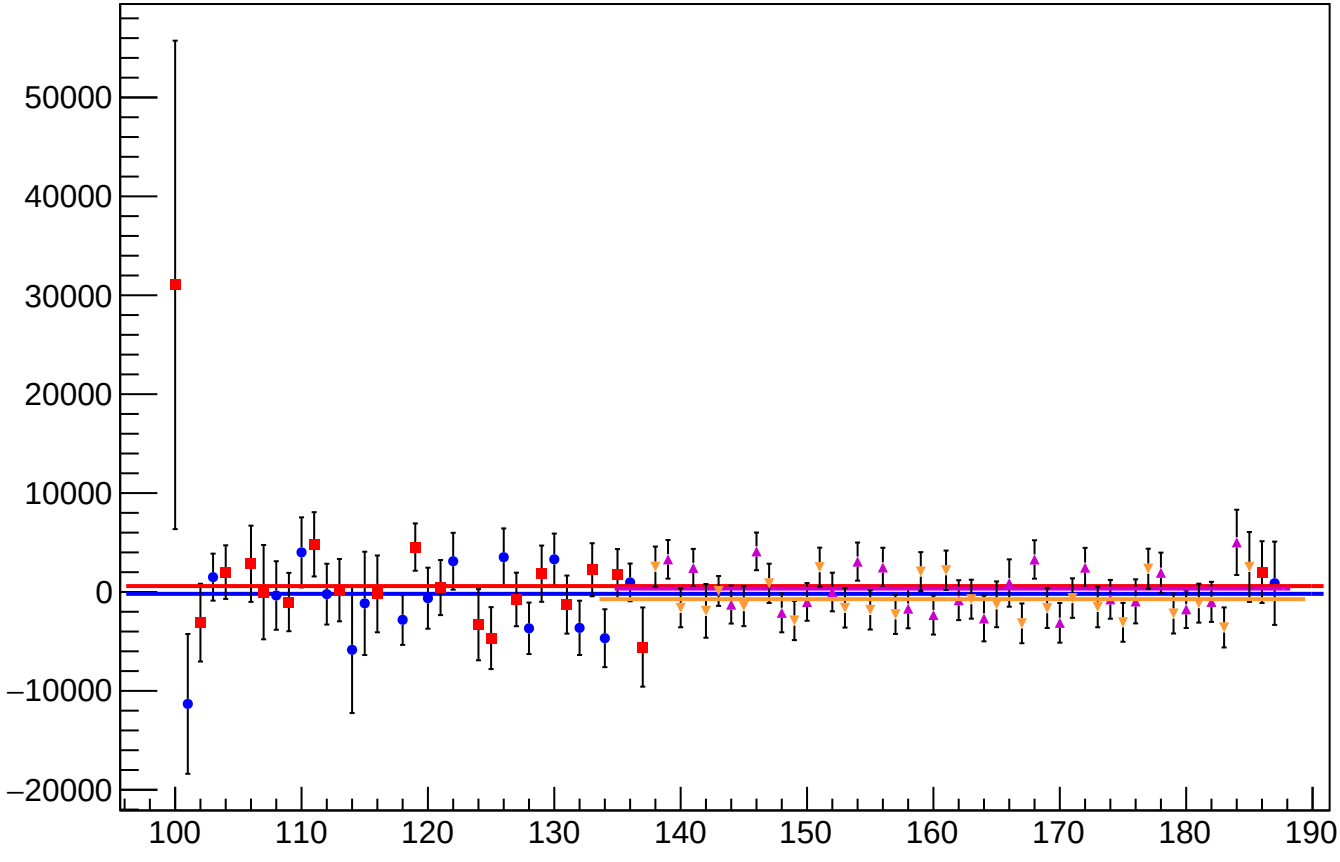
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 448.682+/-0.064 χ^2/NDF: 4218456.0/41

All: 447.003+/-0.046 χ^2/NDF: 8839259.4/84

- sign 445.276+/-0.065 χ^2/NDF: 4619415.9/42

dit_asym_at1_dd_mean vs Slug



Right In: -187.726+/-724.901 χ^2/NDF: 17.2/16

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 596.694+/-706.173 χ^2/NDF: 15.8/19

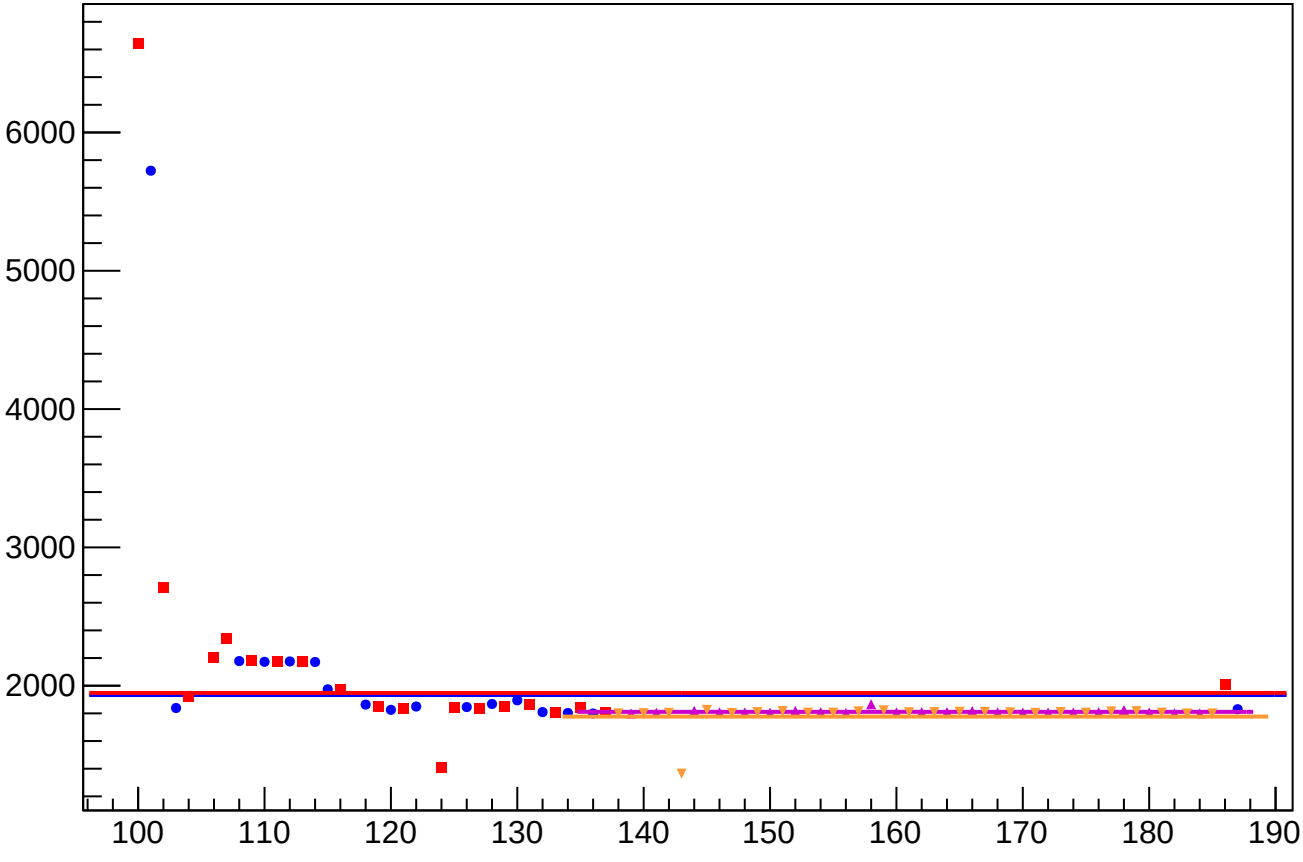
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -597.109+/-353.173 χ^2/NDF: 39.8/41

All: -107.736+/-253.063 χ^2/NDF: 89.3/84

- sign 408.649+/-362.789 χ^2/NDF: 45.5/42

dit_asym_at1_dd_rms vs Slug



Right In: 1932.836+/-0.513 χ^2/NDF: 641035.1/16

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1947.719+/-0.499 χ^2/NDF: 276996.4/19

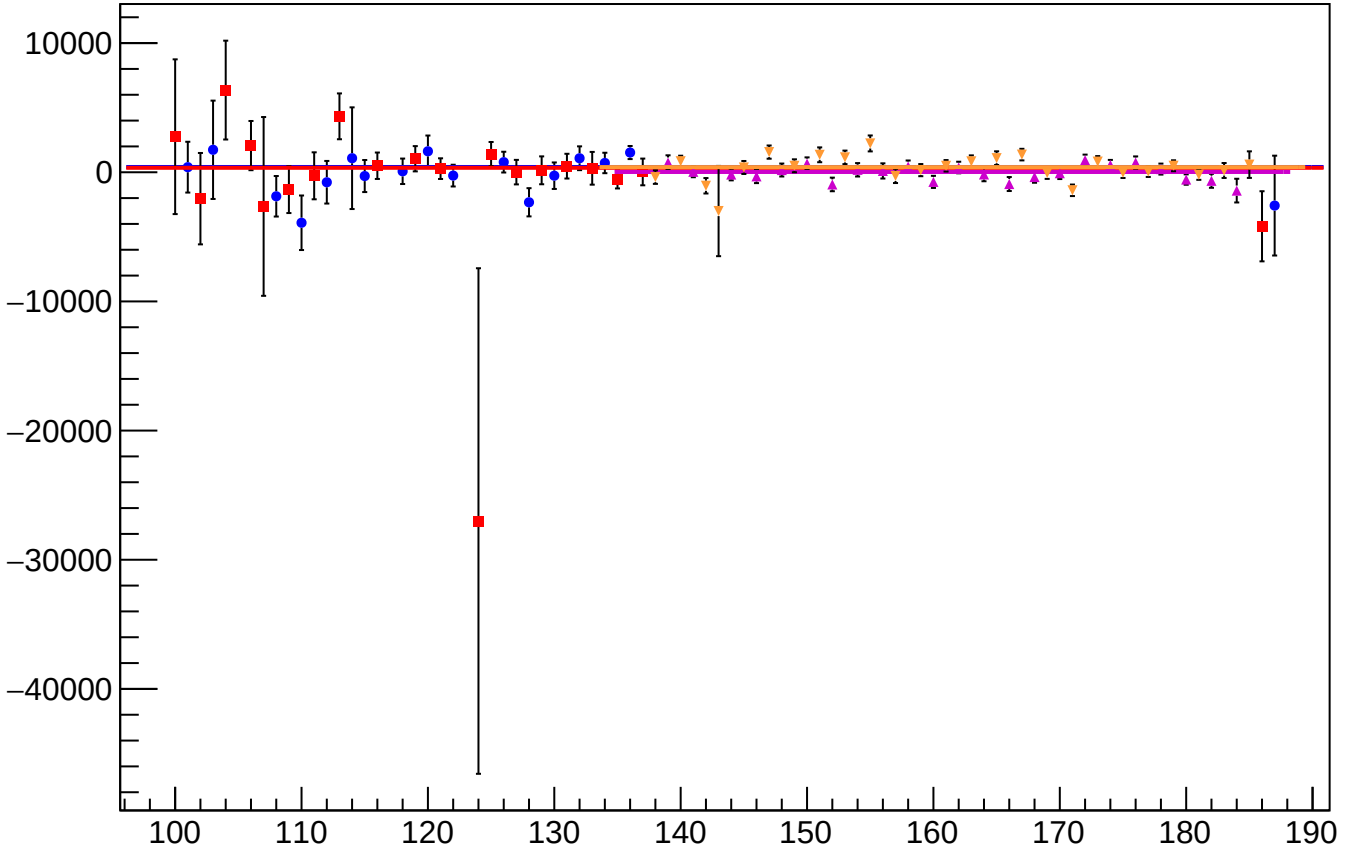
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.778+/-0.250 χ^2/NDF: 873072.1/41

All: 1830.014+/-0.179 χ^2/NDF: 1215834.2/84

- sign 1847.146+/-0.257 χ^2/NDF: 334075.2/42

asym_at1_dd_dit_correction_mean vs Slug



Right In: 407.955+/-256.185 χ^2/NDF: 22.1/16

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 345.542+/-278.091 χ^2/NDF: 18.7/19

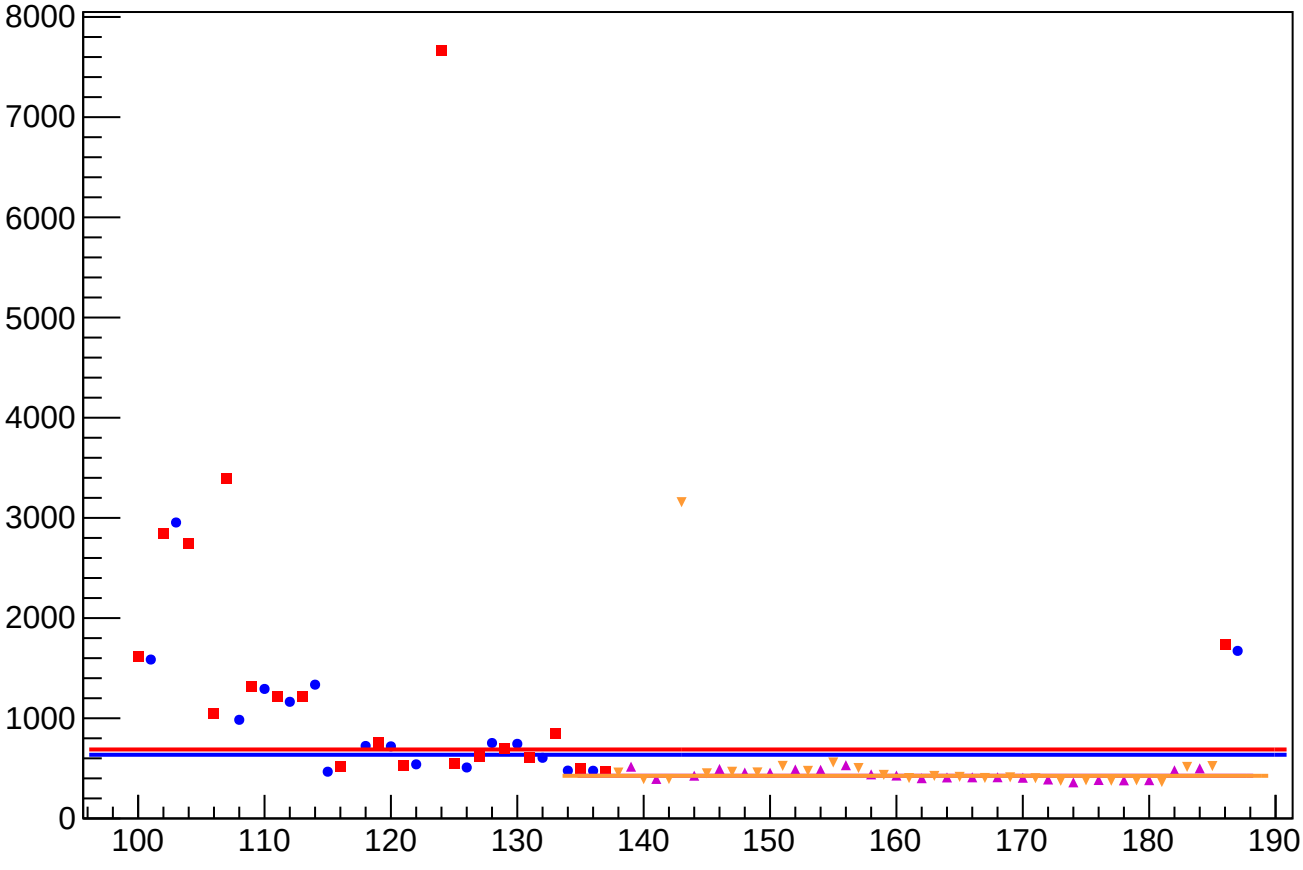
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 399.531+/-92.478 χ^2/NDF: 82.6/41

All: 232.494+/-66.034 χ^2/NDF: 140.0/84

- sign 58.736+/-94.321 χ^2/NDF: 50.7/42

asym_at1_dd_dit_correction_rms vs Slug



Right In: 635.717+/-0.181 χ^2/NDF: 2379116.9/16

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 688.546+/-0.197 χ^2/NDF: 3382352.4/19

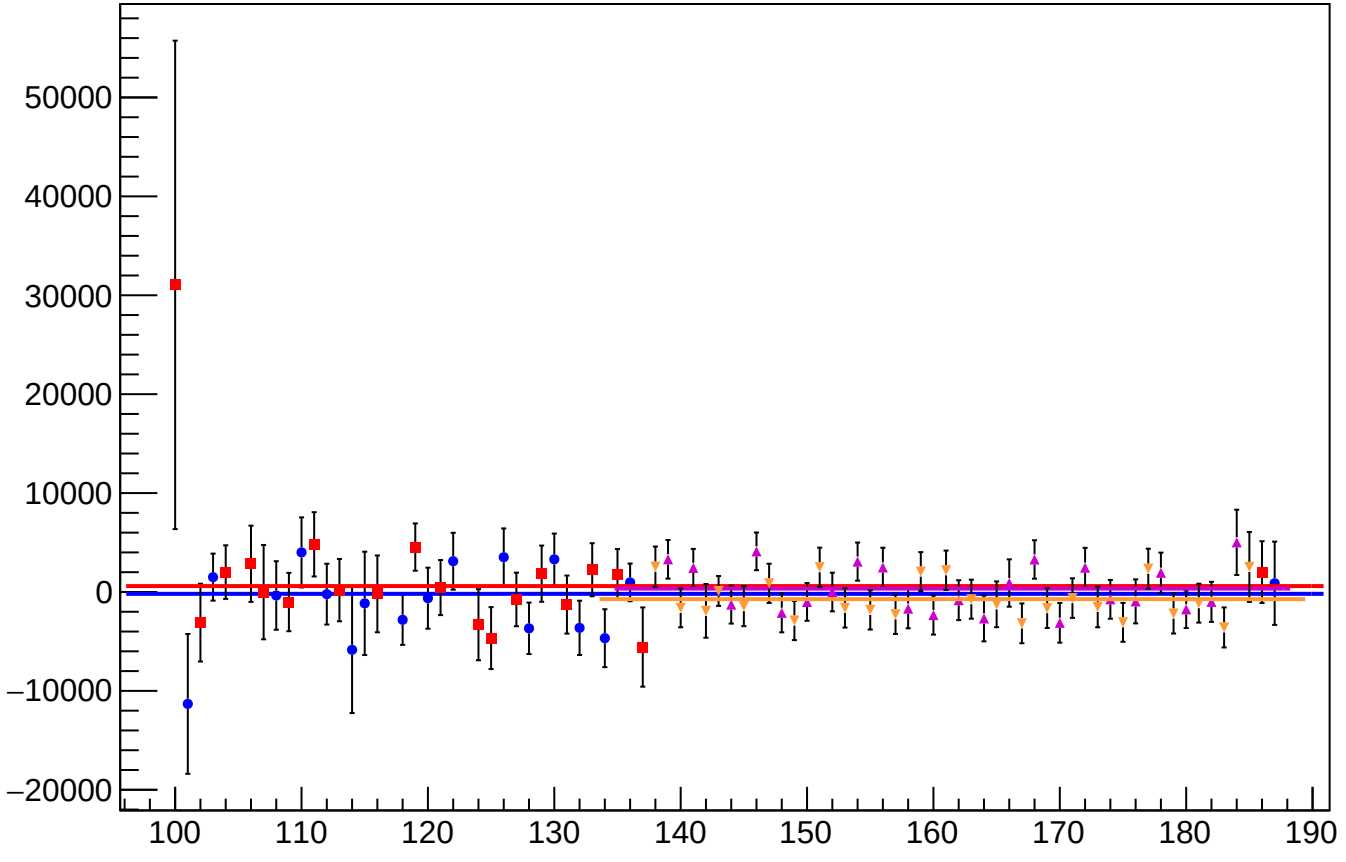
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 453.064+/-0.065 χ^2/NDF: 5266248.4/41

All: 454.665+/-0.047 χ^2/NDF: 10641077.2/84

- sign 456.330+/-0.067 χ^2/NDF: 5373605.9/42

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -187.727+/-724.901 χ^2/NDF: 17.2/16

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 596.693+/-706.173 χ^2/NDF: 15.8/19

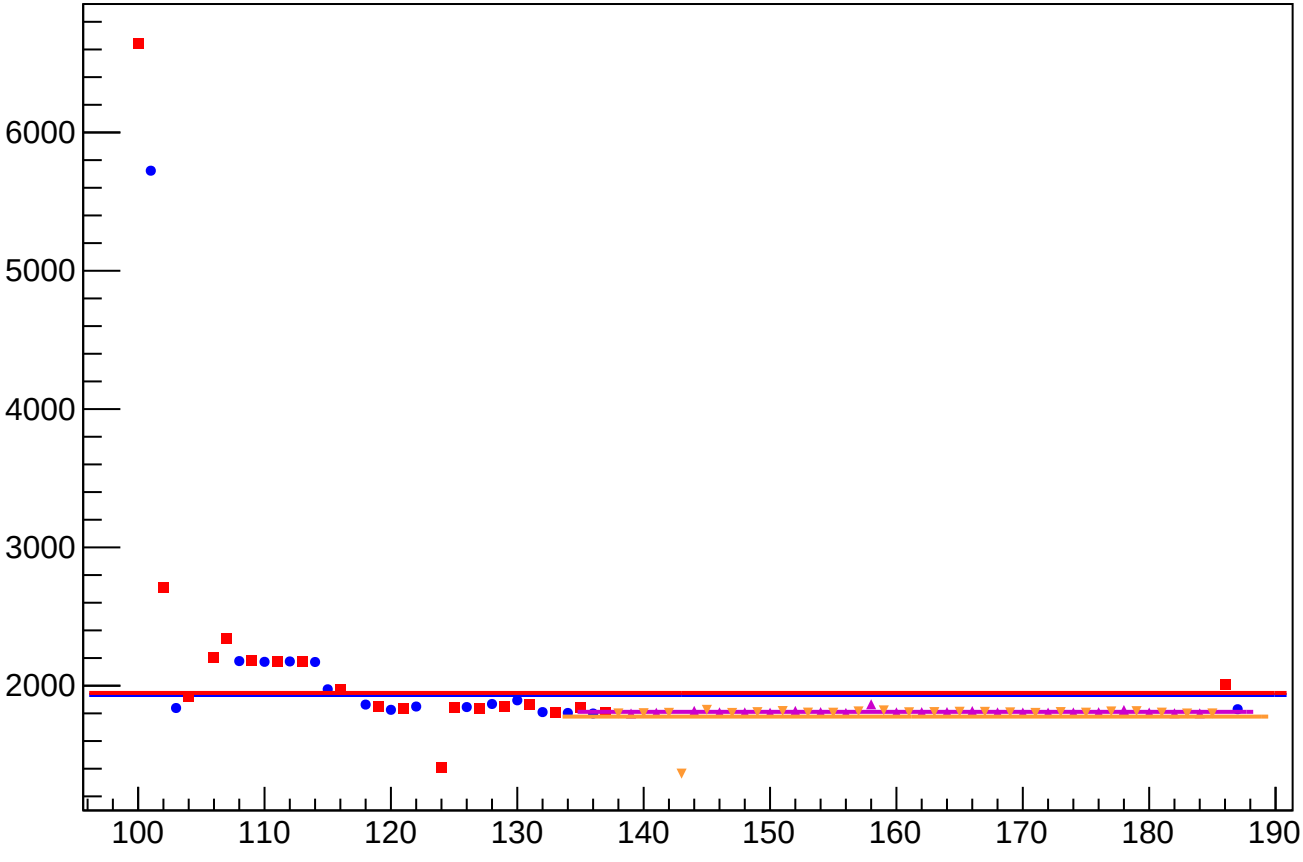
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -597.110+/-353.173 χ^2/NDF: 39.8/41

All: -107.736+/-253.063 χ^2/NDF: 89.3/84

- sign 408.649+/-362.789 χ^2/NDF: 45.5/42

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1932.836+/-0.513 χ^2/NDF: 641035.2/16

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

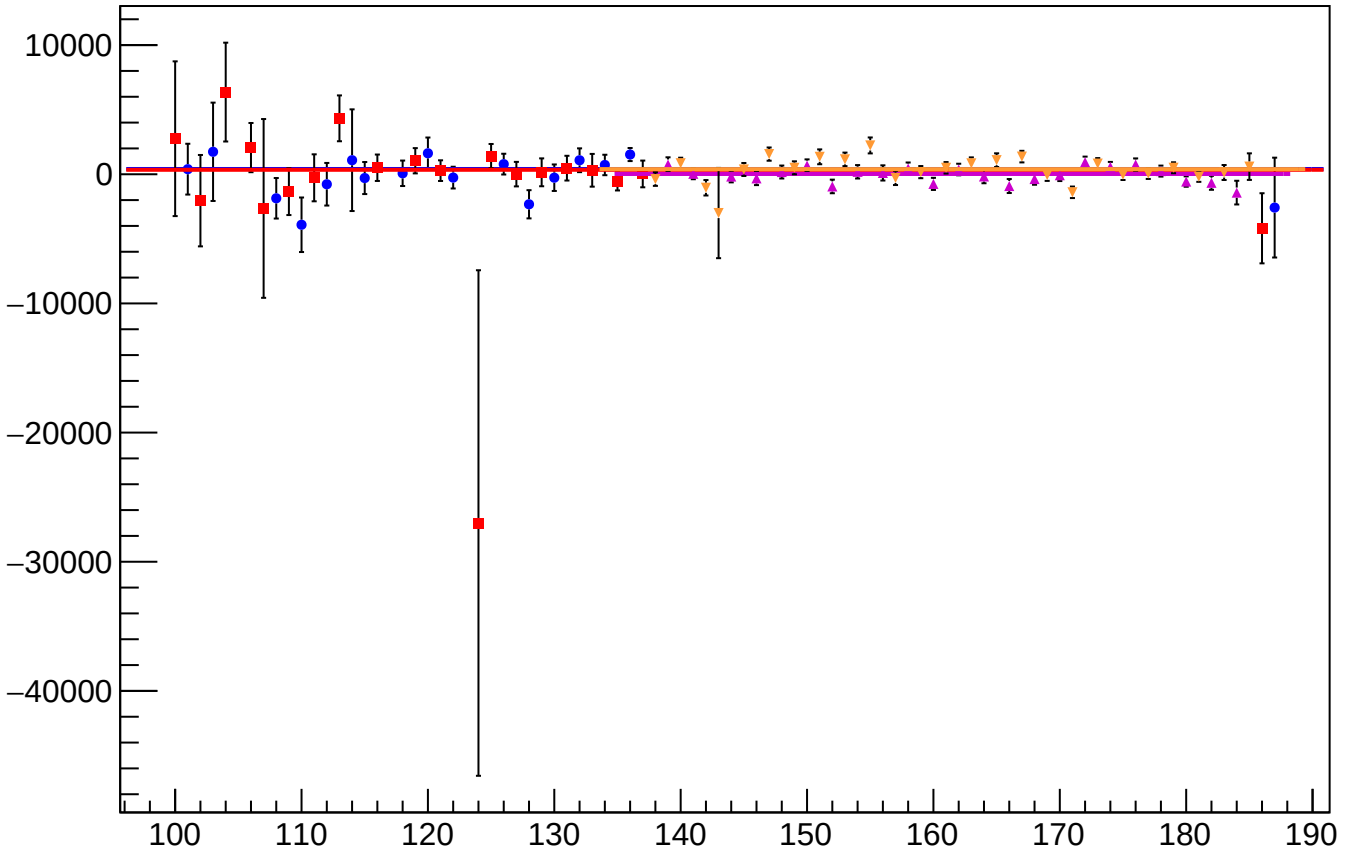
Right Out: 1947.719+/-0.499 χ^2/NDF: 276996.3/19

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.777+/-0.250 χ^2/NDF: 873072.0/41

All: 1830.014+/-0.179 χ^2/NDF: 1215834.0/84

- sign 1847.146+/-0.257 χ^2/NDF: 334075.0/42



Right In: 407.954+/-256.185 χ^2/NDF: 22.1/16

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 345.542+/-278.091 χ^2/NDF: 18.7/19

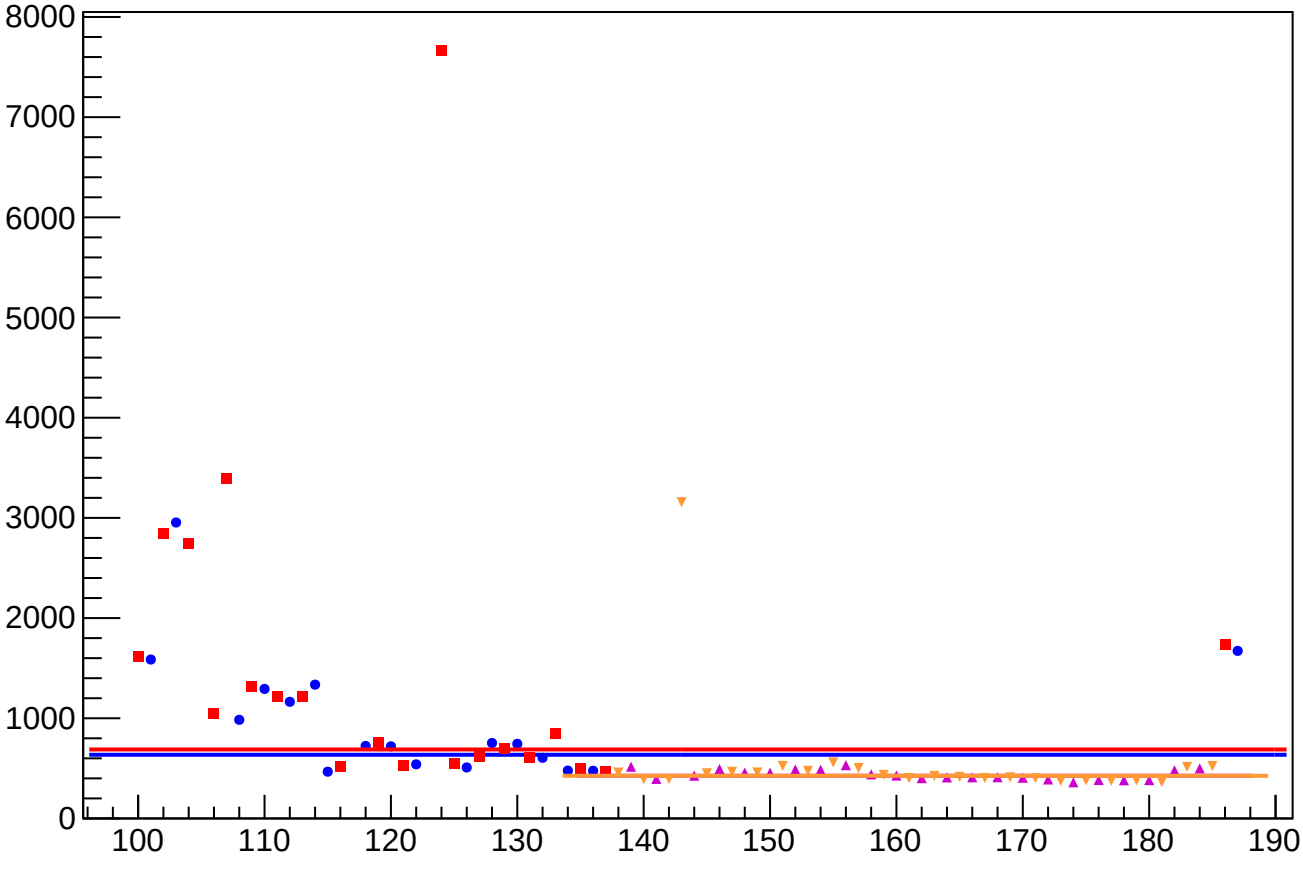
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 399.530+/-92.478 χ^2/NDF: 82.6/41

All: 232.494+/-66.034 χ^2/NDF: 140.0/84

- sign 58.735+/-94.321 χ^2/NDF: 50.7/42

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 635.716+/-0.181 χ^2/NDF: 2379116.0/16

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 688.545+/-0.197 χ^2/NDF: 3382353.8/19

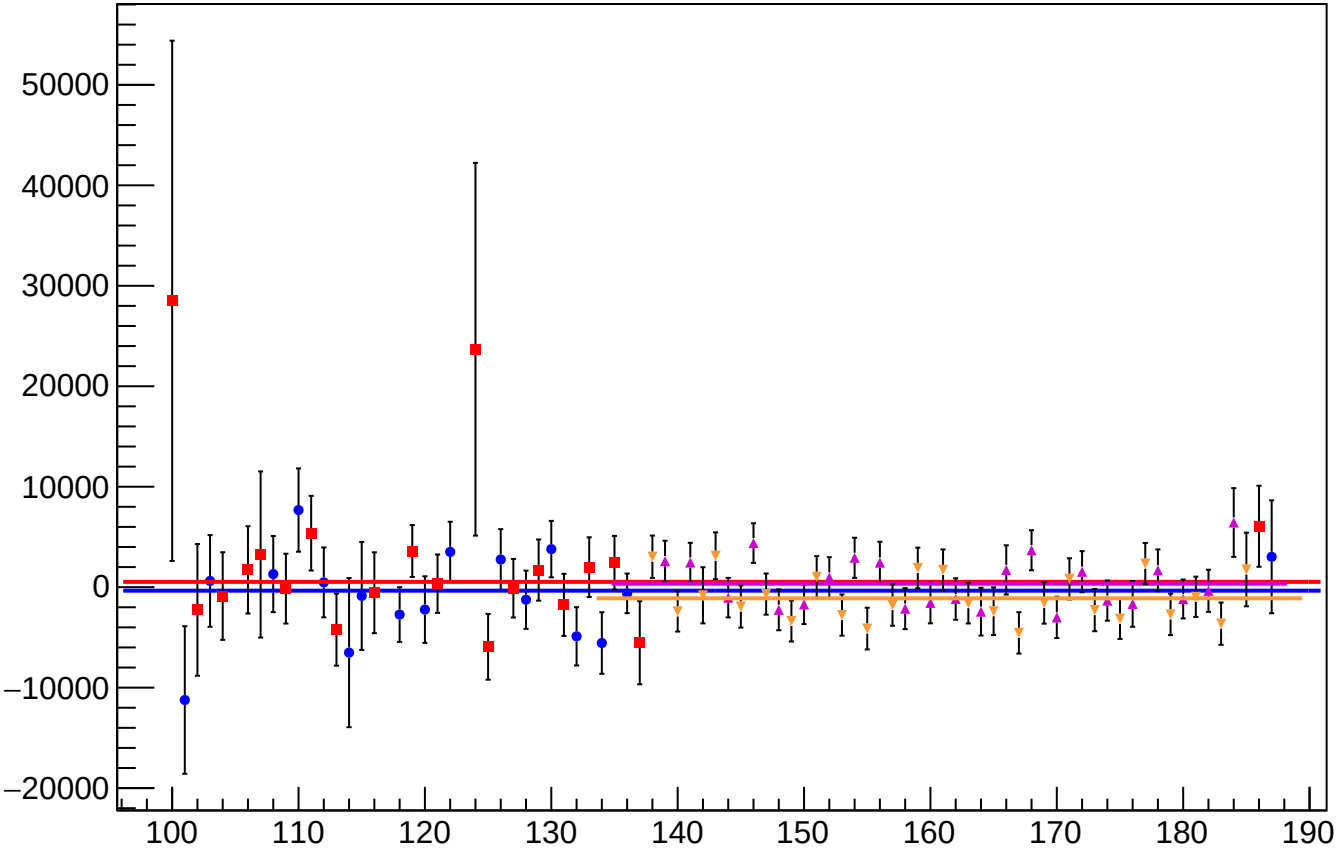
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 453.064+/-0.065 χ^2/NDF: 5266251.6/41

All: 454.665+/-0.047 χ^2/NDF: 10641085.7/84

- sign 456.330+/-0.067 χ^2/NDF: 5373611.2/42

asym_at1_dd_mean vs Slug



Right In: -346.729+/-806.919 χ^2/NDF: 18.7/16

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 530.010+/-814.462 χ^2/NDF: 17.6/19

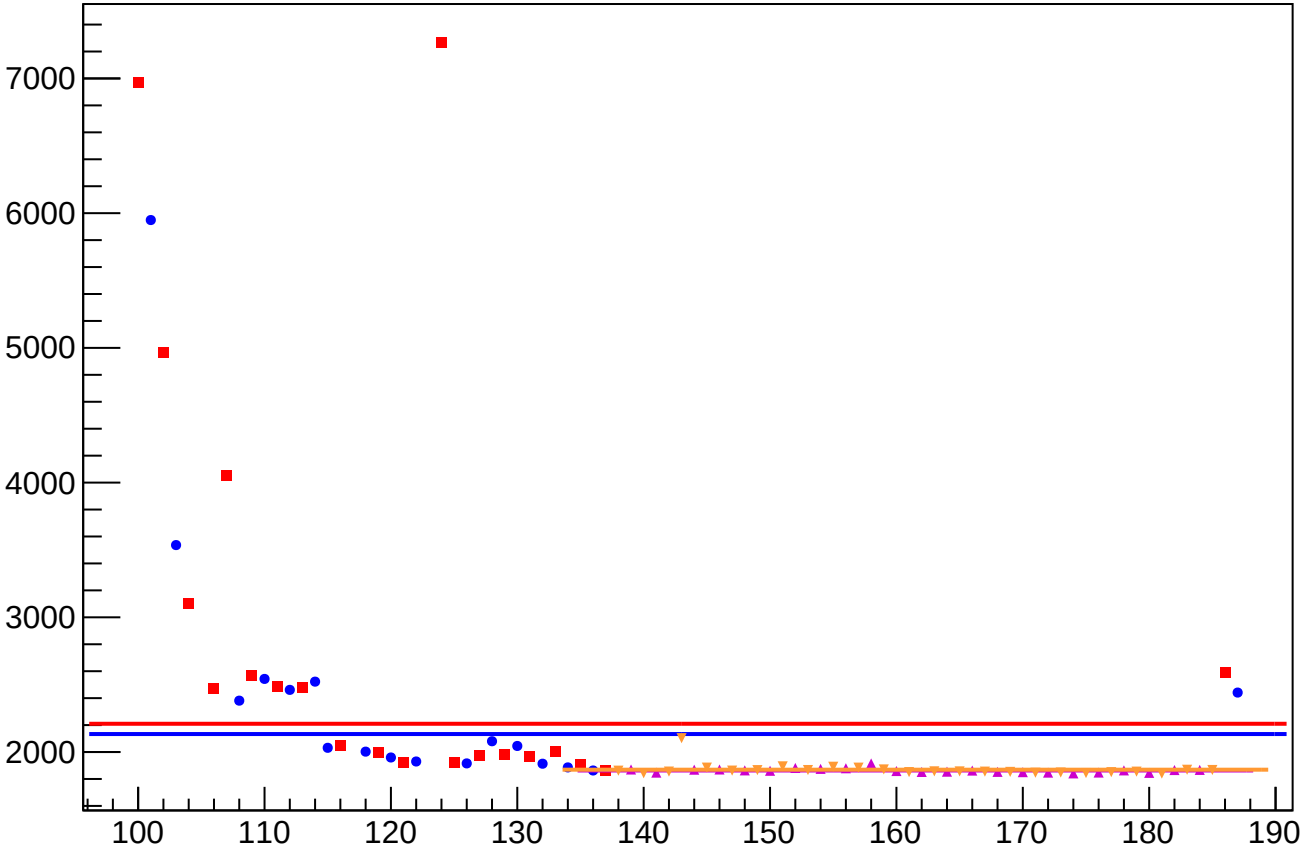
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -941.164+/-375.788 χ^2/NDF: 47.4/41

All: -290.583+/-268.464 χ^2/NDF: 99.9/84

- sign 387.561+/-383.666 χ^2/NDF: 46.4/42

asym_at1_dd_rms vs Slug



Right In: 2133.524+/-0.571 χ^2/NDF: 881208.6/16

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

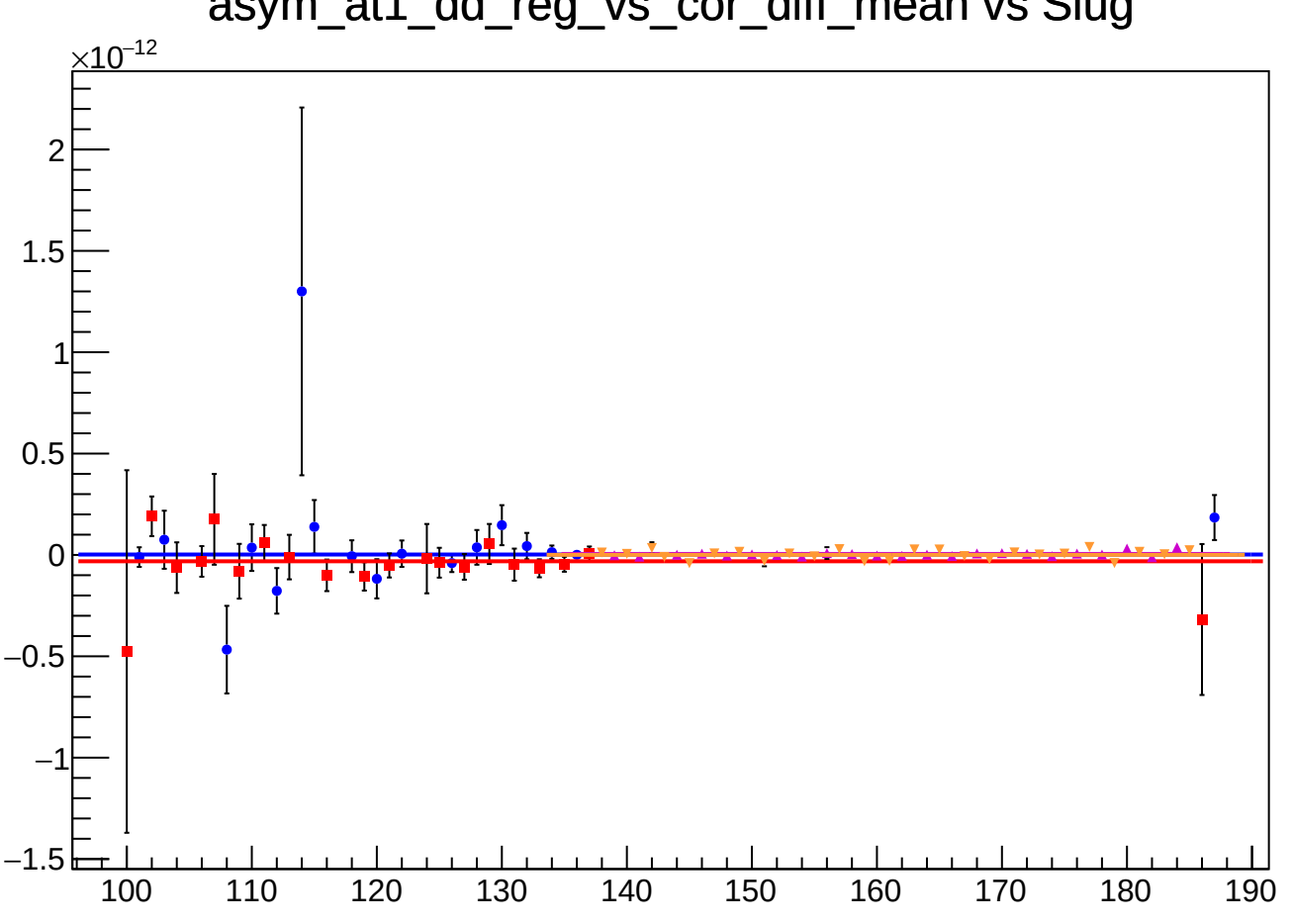
Right Out: 2209.773+/-0.576 χ^2/NDF: 961206.3/19

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1926.324+/-0.266 χ^2/NDF: 1072915.3/41

All: 1932.931+/-0.190 χ^2/NDF: 2320484.6/84

- sign 1939.817+/-0.271 χ^2/NDF: 1246306.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/19

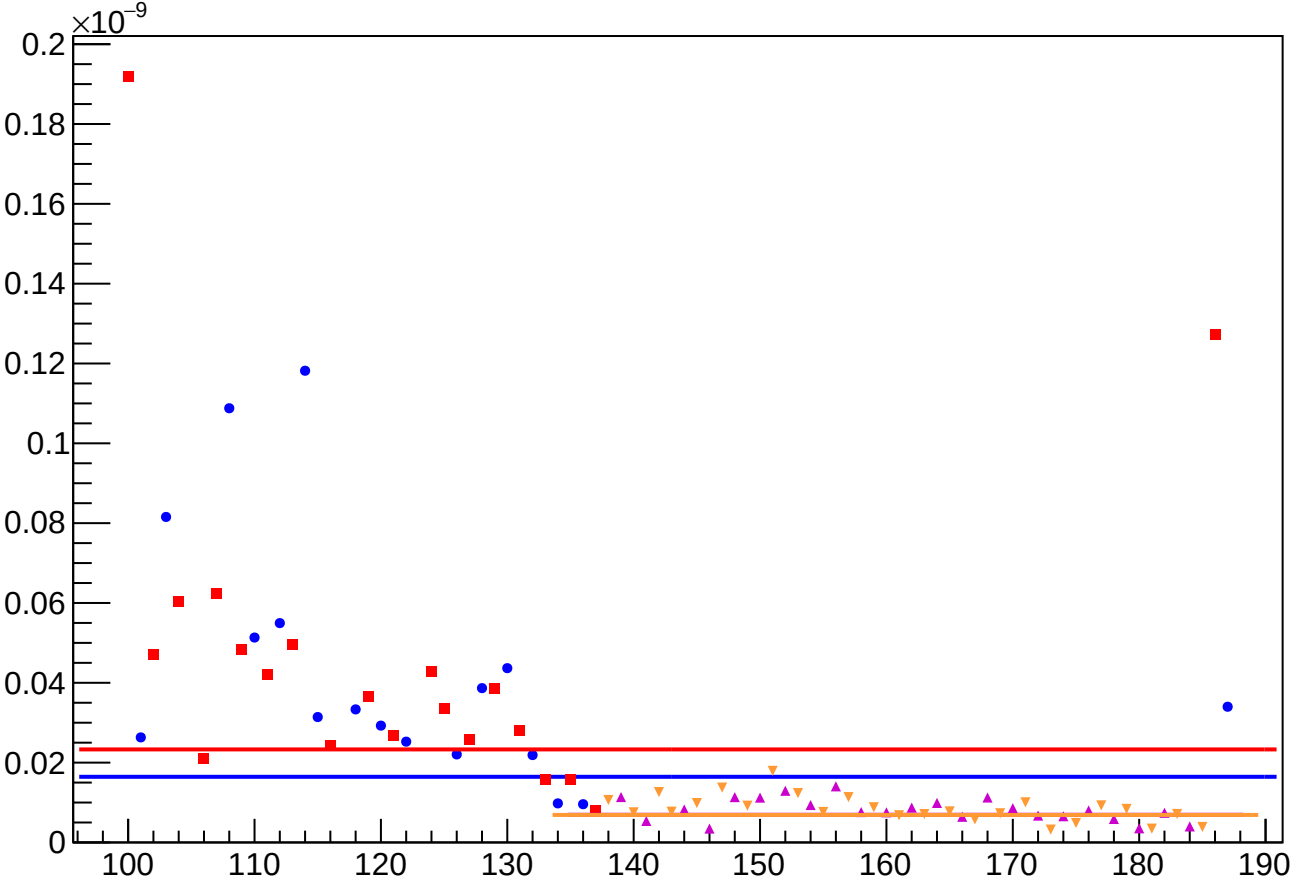
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.9/41

All: 0.000+/-0.000 χ^2/NDF: 96.8/84

- sign 0.000+/-0.000 χ^2/NDF: 35.4/42

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2337282.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1567625.9/19

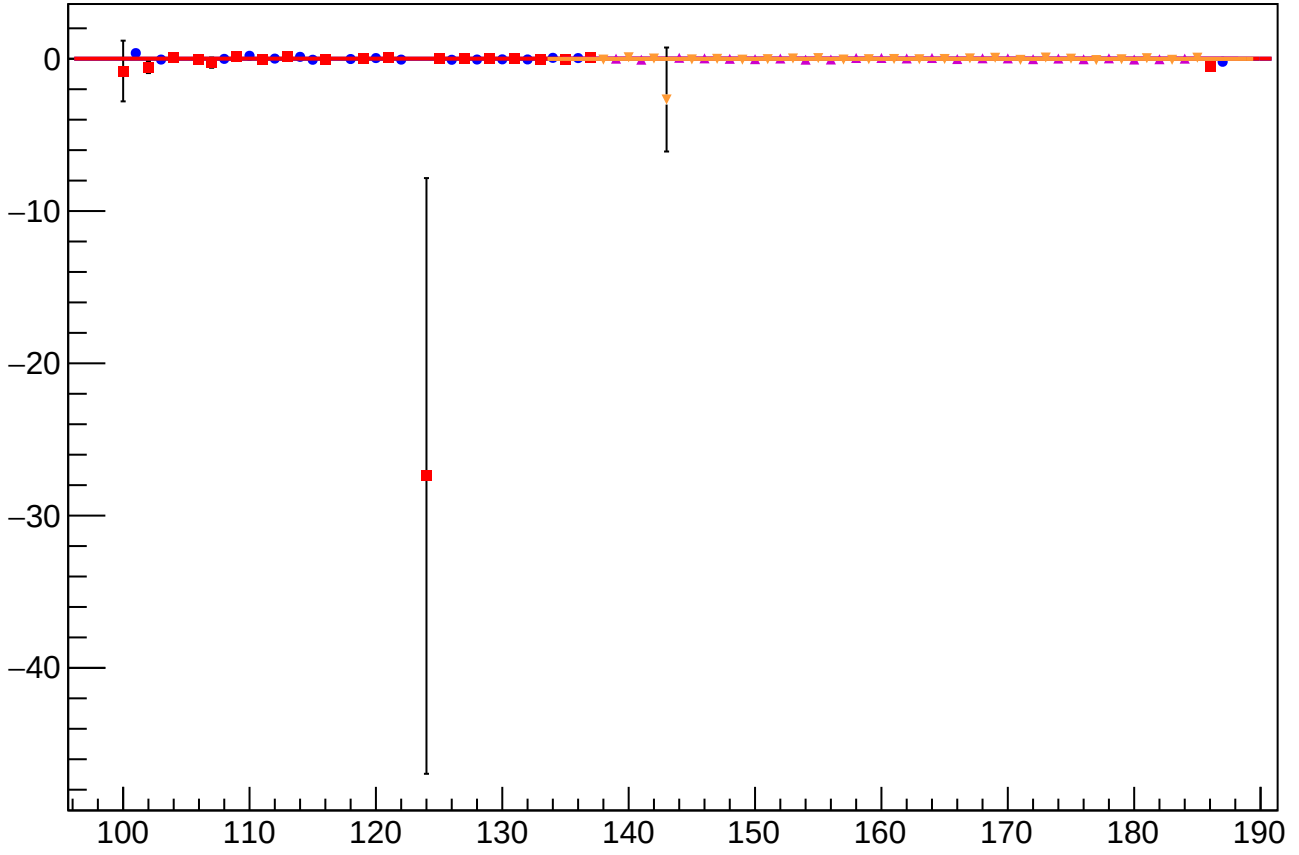
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5416860.4/41

All: 0.000+/-0.000 χ^2/NDF: 10557267.8/84

- sign 0.000+/-0.000 χ^2/NDF: 5139762.4/42

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.009+/-0.015 χ^2/NDF: 20.2/19

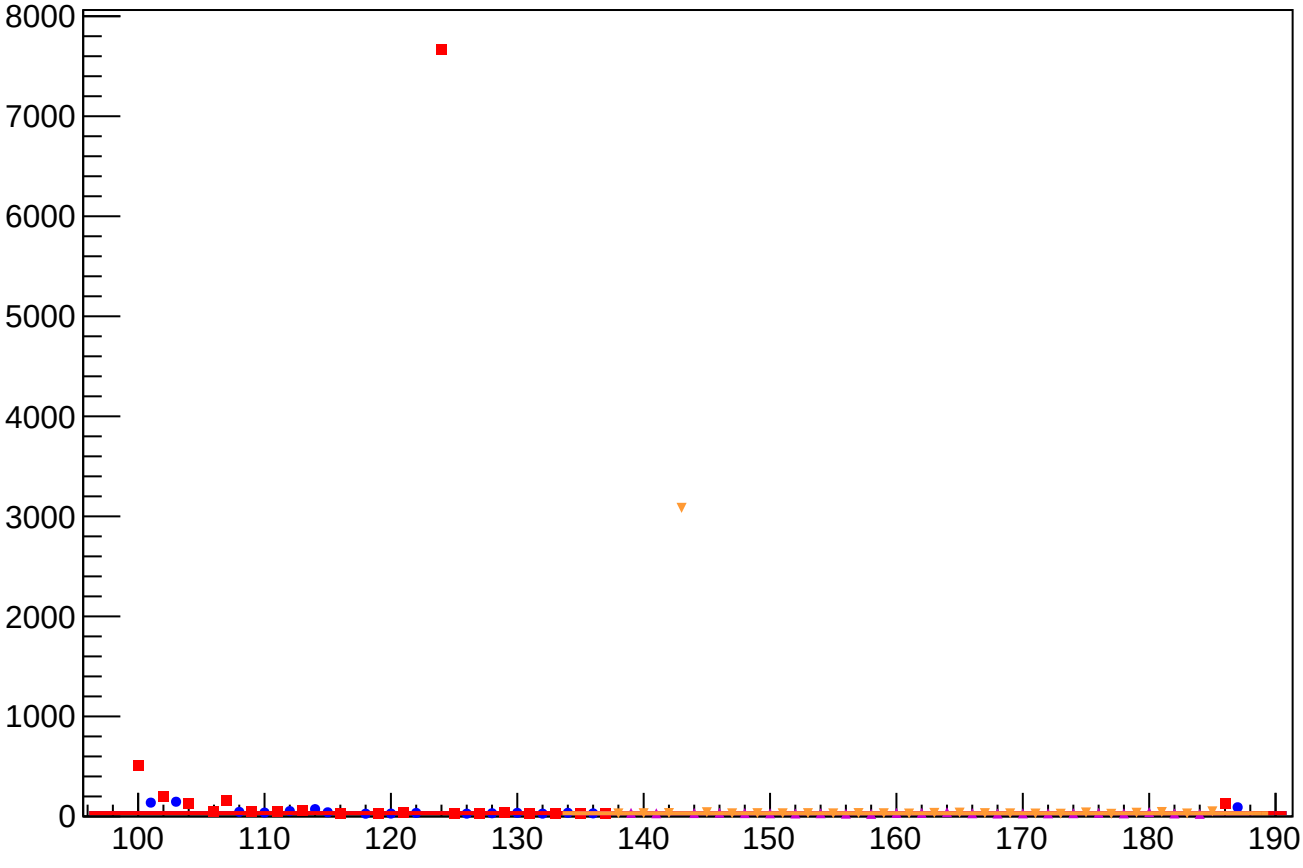
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 61.8/41

All: -0.001+/-0.005 χ^2/NDF: 104.4/84

\- sign 0.005+/-0.007 χ^2/NDF: 41.2/42

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.326+/-0.010 χ^2/NDF: 1861190.0/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

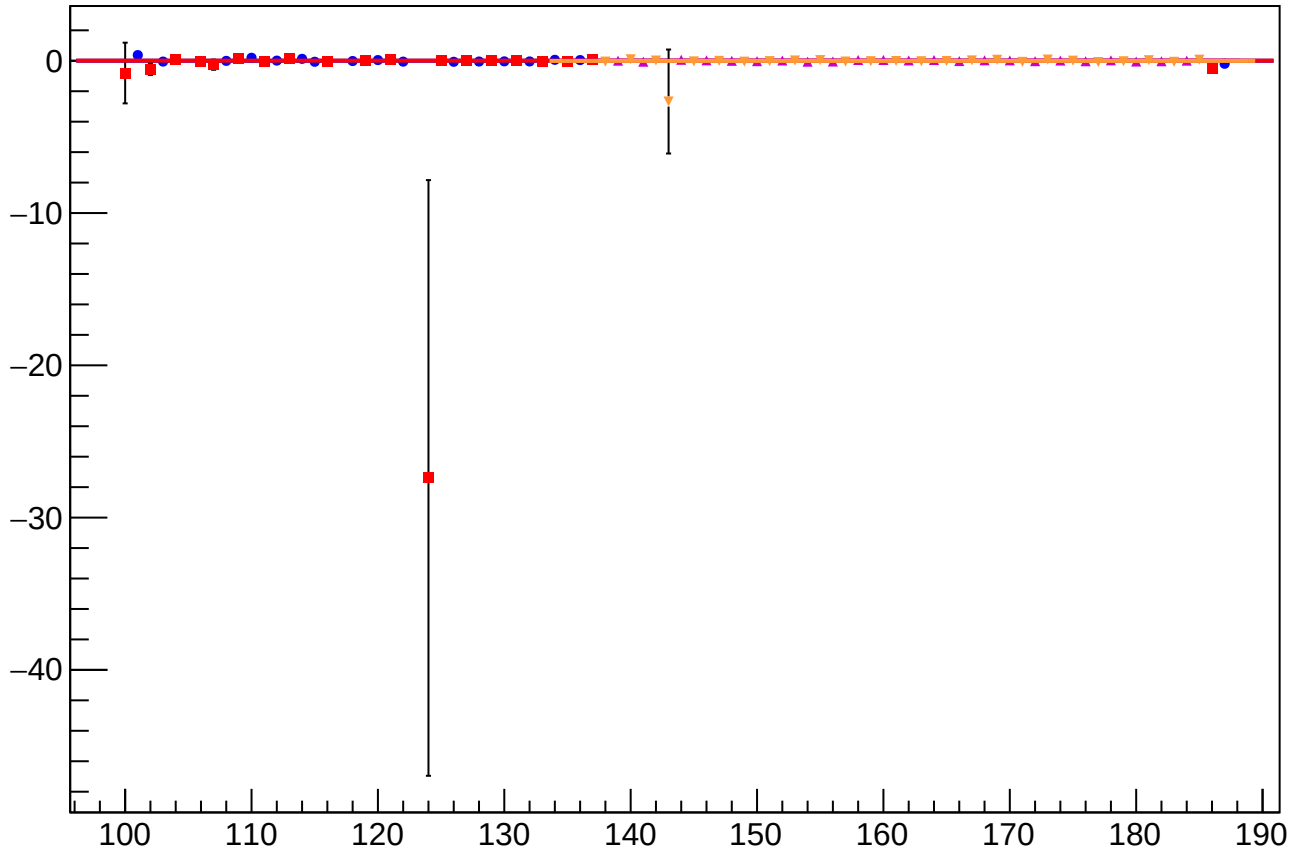
Right Out: 33.580+/-0.010 χ^2/NDF: 2522669.4/19

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 32.765+/-0.005 χ^2/NDF: 4011637.3/41

All: 32.731+/-0.004 χ^2/NDF: 6969783.6/84

- sign 32.697+/-0.005 χ^2/NDF: 2958056.6/42



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.009+/-0.015 χ^2/NDF: 20.2/19

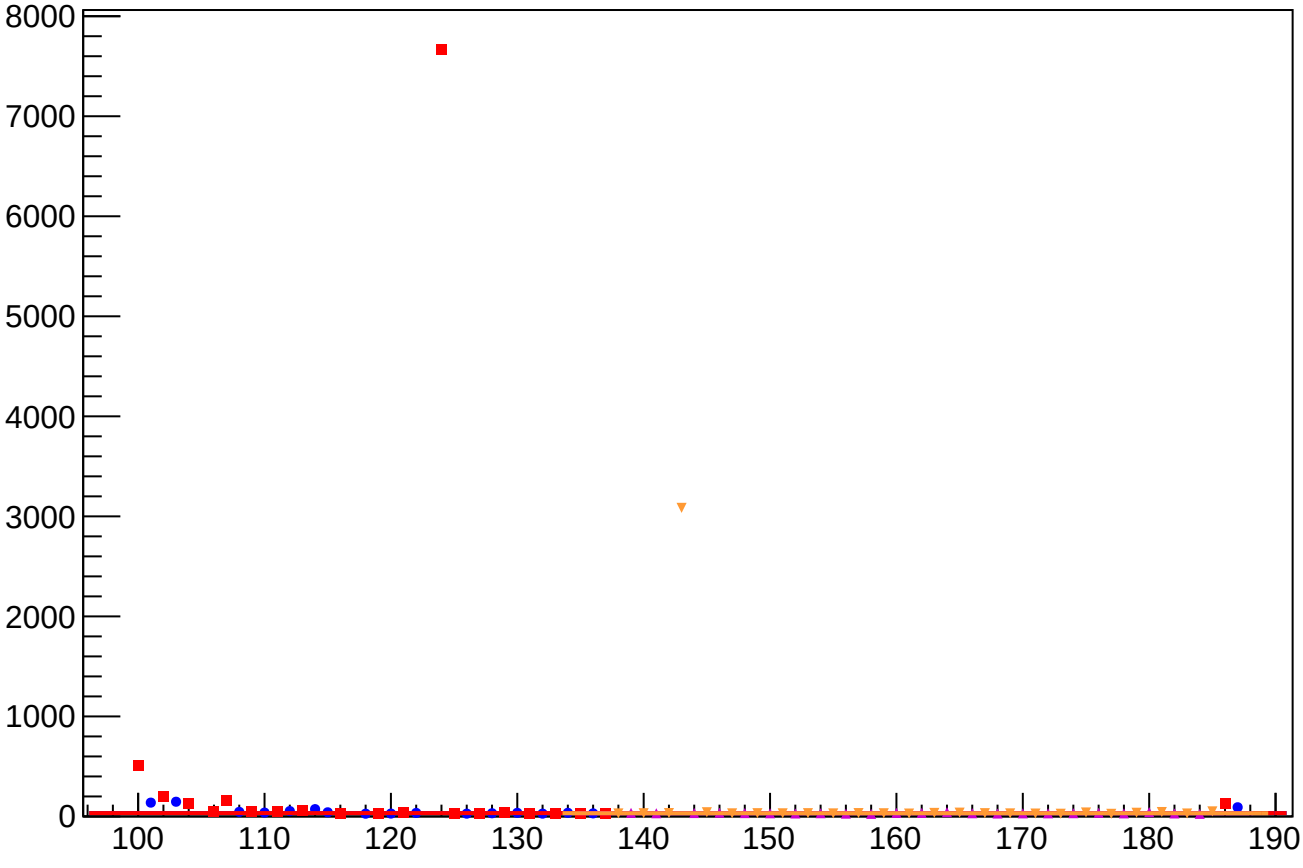
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 61.8/41

All: -0.001+/-0.005 χ^2/NDF: 104.4/84

\- sign 0.005+/-0.007 χ^2/NDF: 41.2/42

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.326+/-0.010 χ^2/NDF: 1861190.0/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

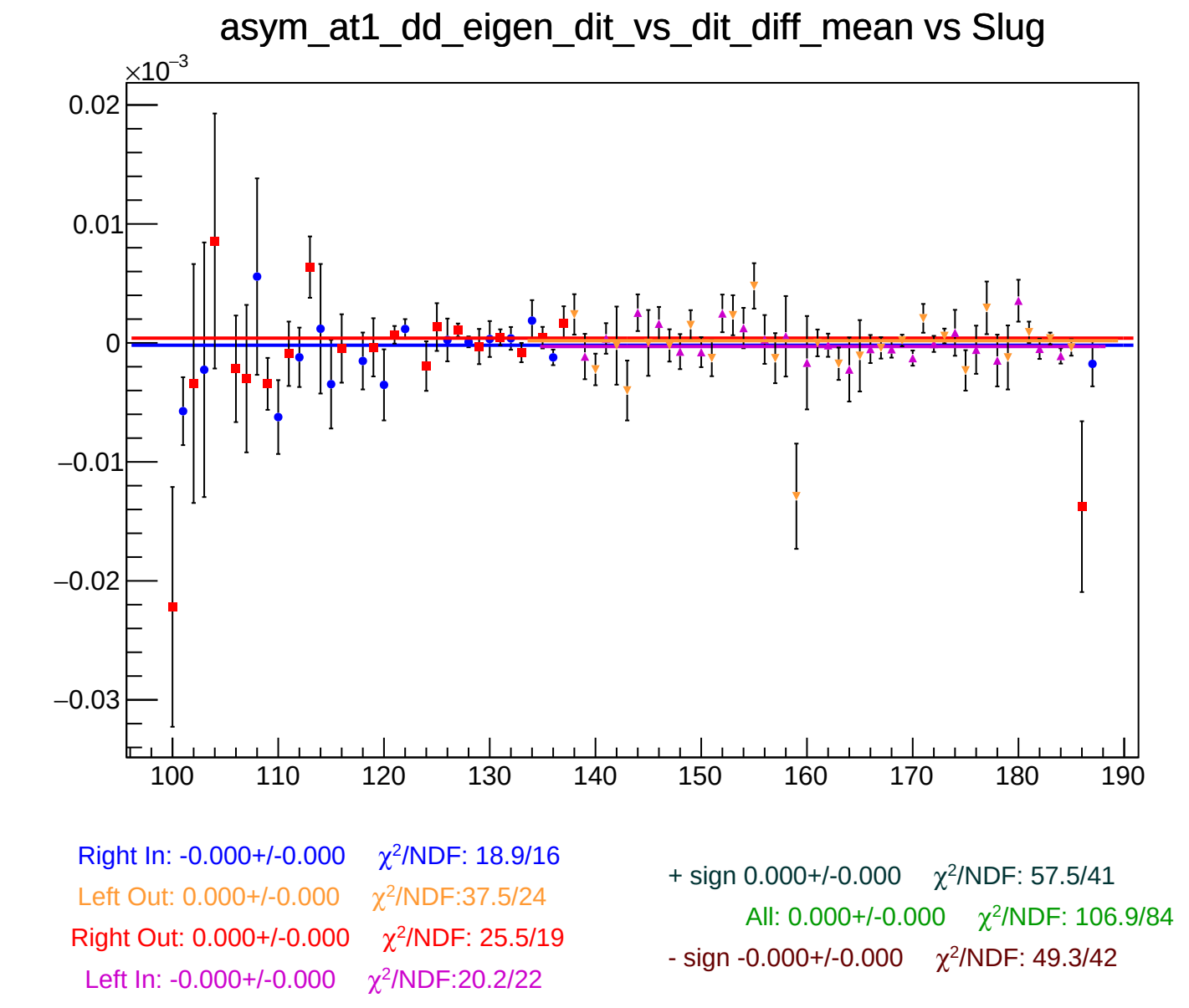
Right Out: 33.580+/-0.010 χ^2/NDF: 2522669.4/19

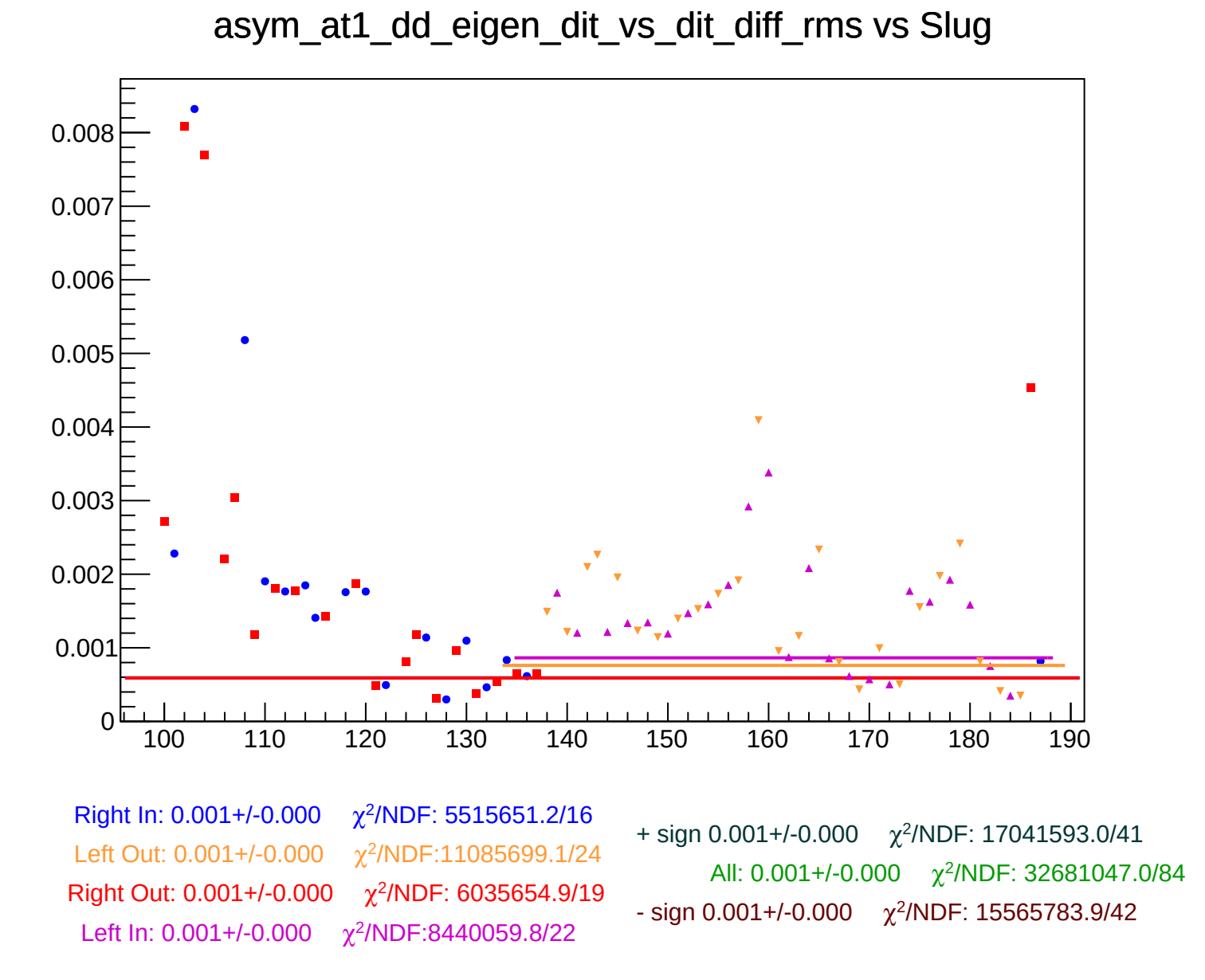
Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

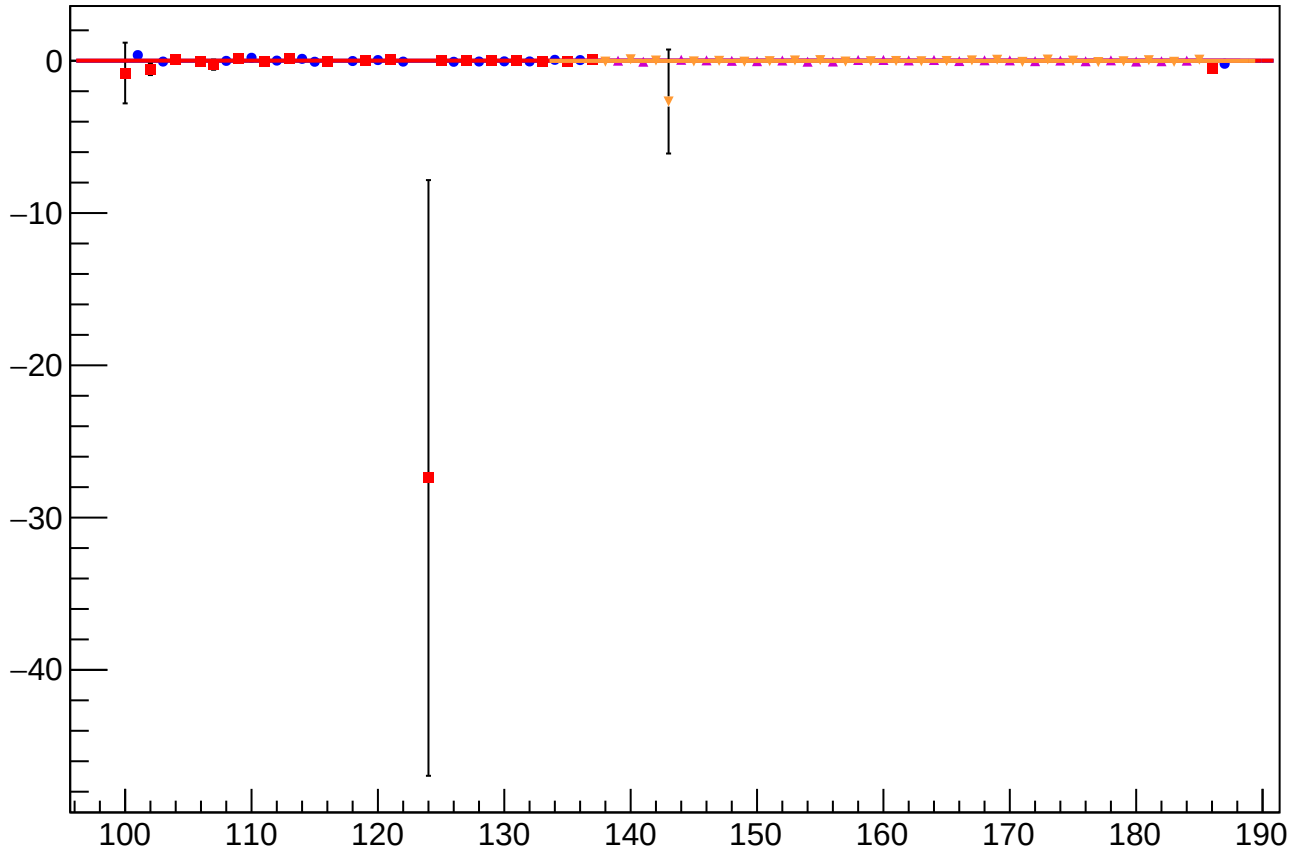
+ sign 32.765+/-0.005 χ^2/NDF: 4011637.3/41

All: 32.731+/-0.004 χ^2/NDF: 6969783.6/84

- sign 32.697+/-0.005 χ^2/NDF: 2958056.6/42


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.9/16
Left Out: 0.000+/-0.000 χ²/NDF:37.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.5/19
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 57.5/41
All: 0.000+/-0.000 χ²/NDF: 106.9/84
- sign -0.000+/-0.000 χ²/NDF: 49.3/42


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 5515651.2/16
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 6035654.9/19
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
+ sign 0.001+/-0.000 χ²/NDF: 17041593.0/41
All: 0.001+/-0.000 χ²/NDF: 32681047.0/84
- sign 0.001+/-0.000 χ²/NDF: 15565783.9/42



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.009+/-0.015 χ^2/NDF: 20.2/19

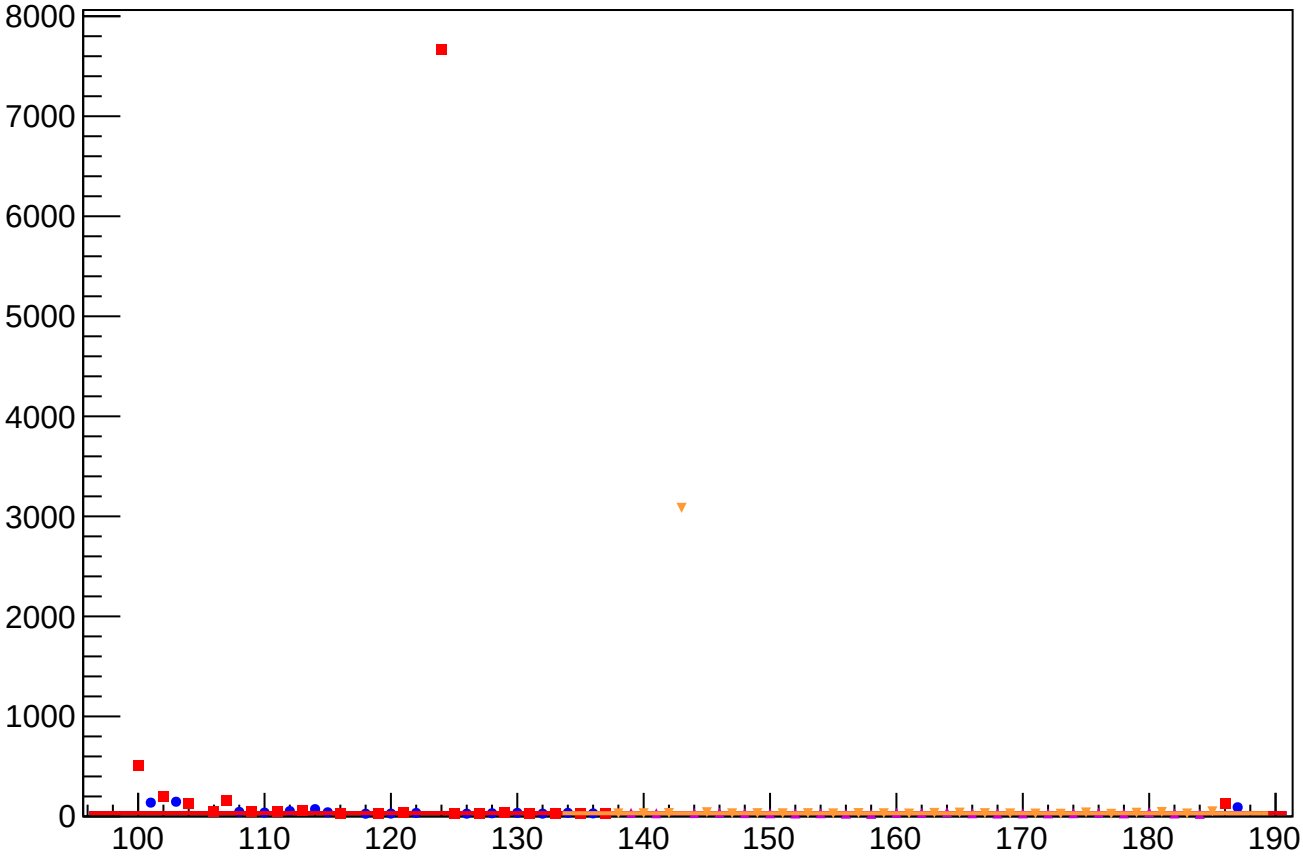
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 61.8/41

All: -0.001+/-0.005 χ^2/NDF: 104.4/84

\- sign 0.005+/-0.007 χ^2/NDF: 41.2/42

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.326+/-0.010 χ^2/NDF: 1861178.1/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

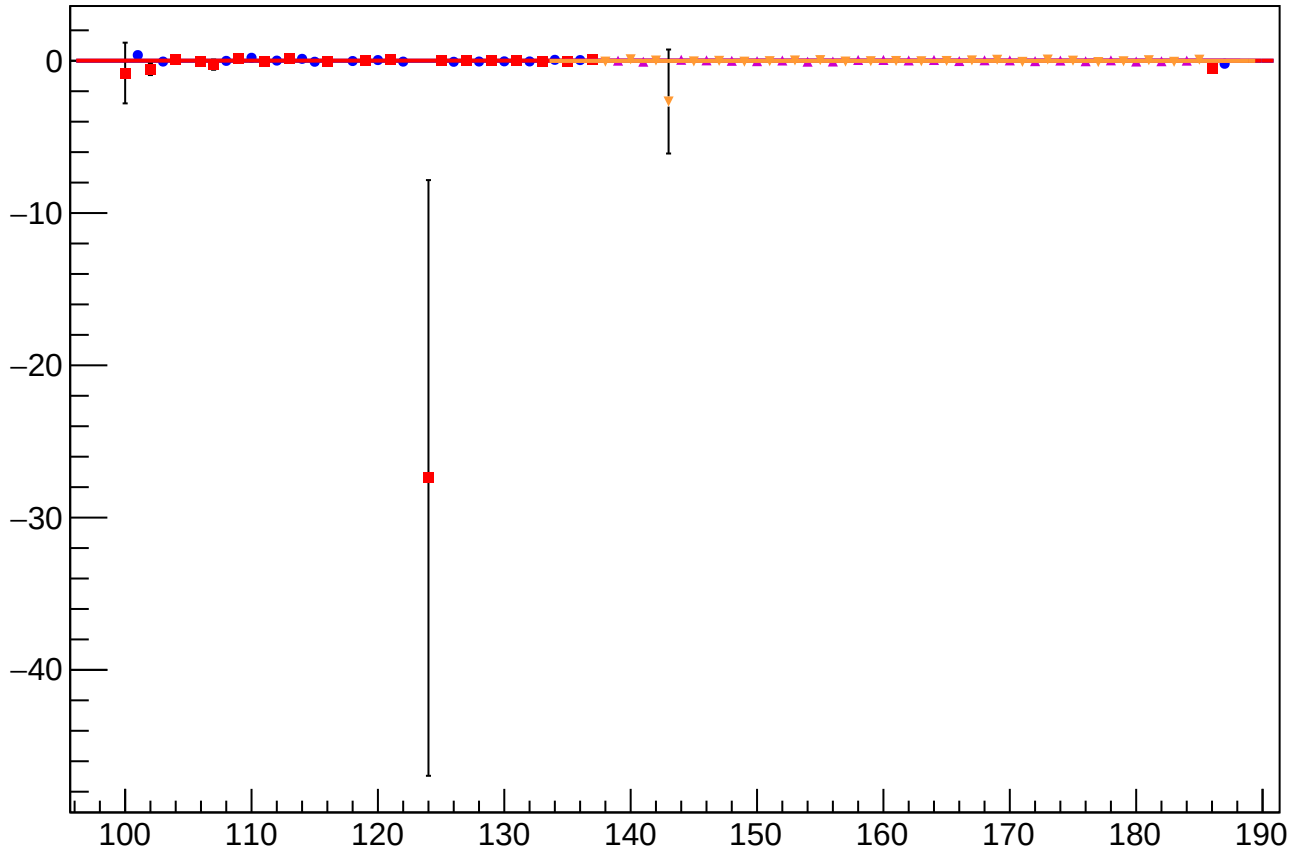
Right Out: 33.580+/-0.010 χ^2/NDF: 2522658.9/19

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.765+/-0.005 χ^2/NDF: 4011670.8/41

All: 32.732+/-0.004 χ^2/NDF: 6969717.1/84

- sign 32.697+/-0.005 χ^2/NDF: 2957957.3/42



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

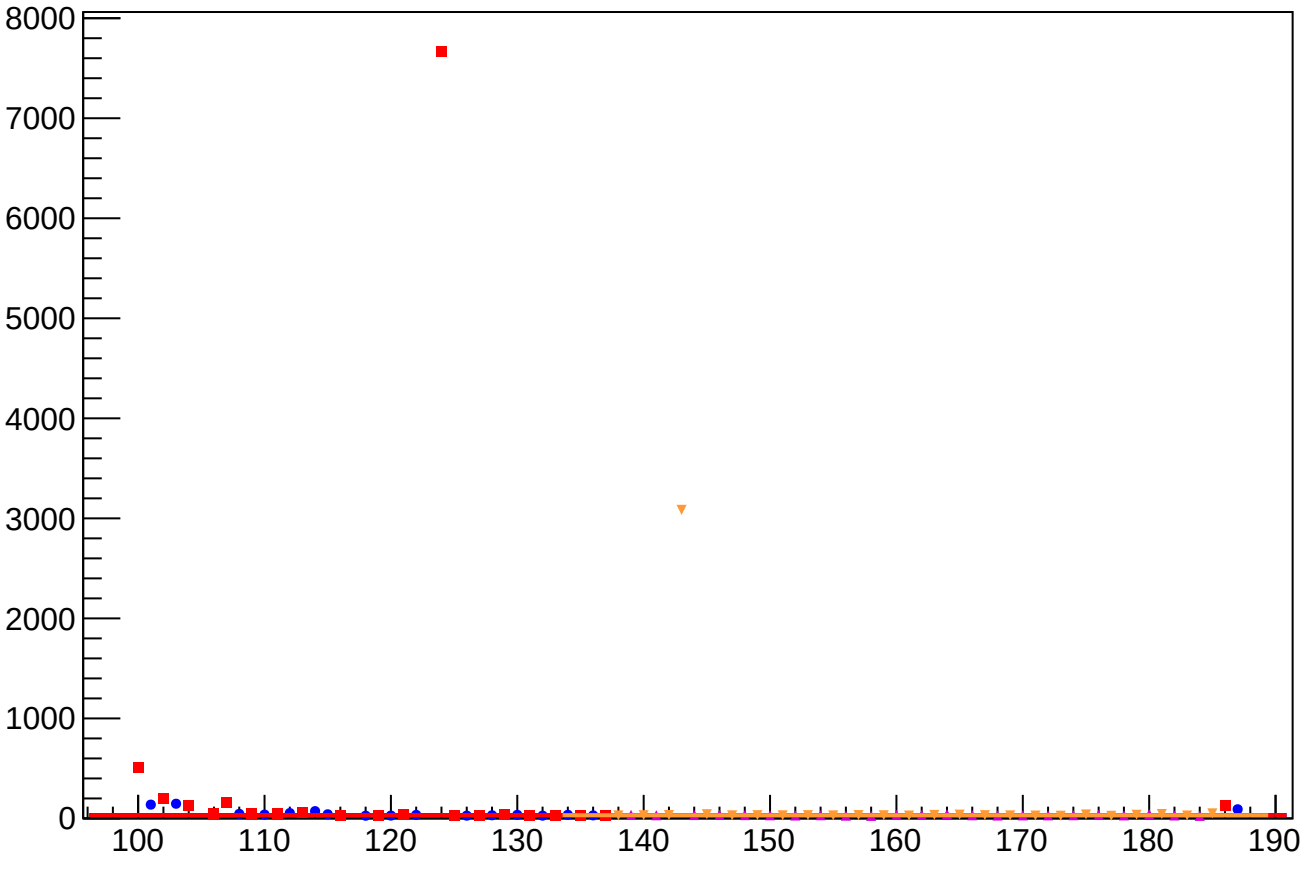
Right Out: 0.009+/-0.015 χ^2/NDF: 20.2/19

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 61.8/41

All: -0.001+/-0.005 χ^2/NDF: 104.4/84

\- sign 0.005+/-0.007 χ^2/NDF: 41.2/42



Right In: 34.326+/-0.010 χ^2/NDF: 1861178.1/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 33.580+/-0.010 χ^2/NDF: 2522658.9/19

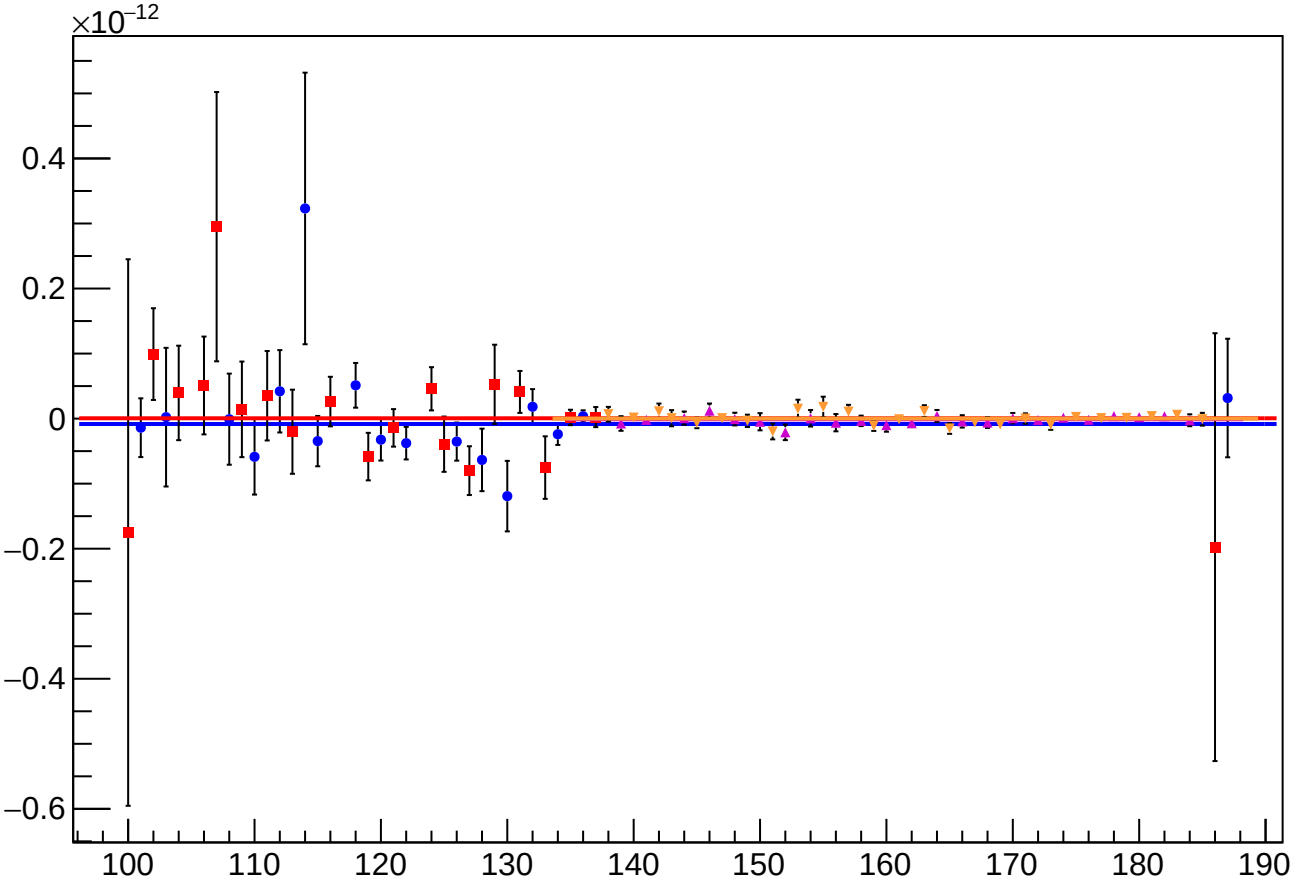
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 32.765+/-0.005 χ^2/NDF: 4011670.8/41

All: 32.732+/-0.004 χ^2/NDF: 6969717.1/84

- sign 32.697+/-0.005 χ^2/NDF: 2957957.3/42

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

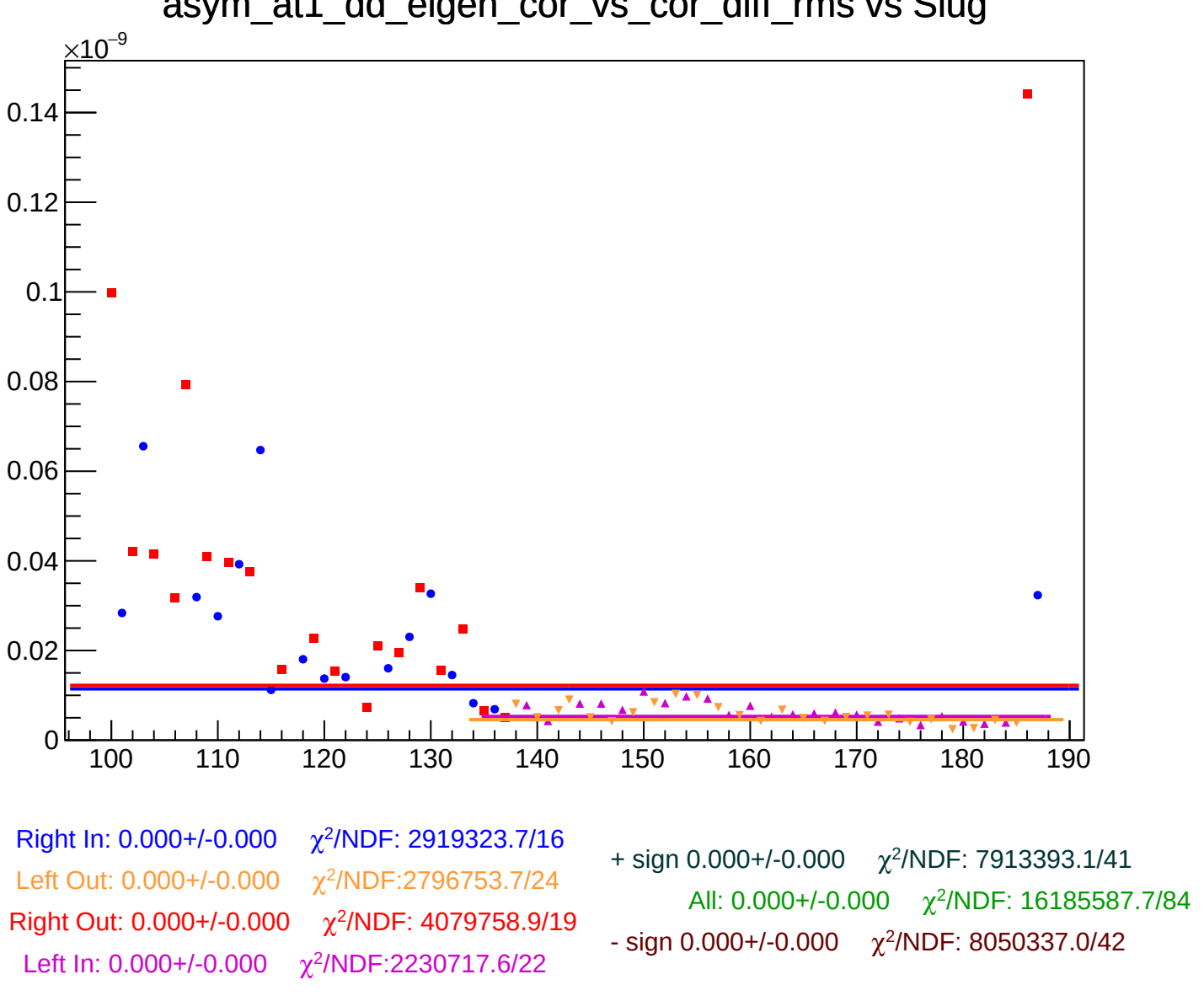
Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/19

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

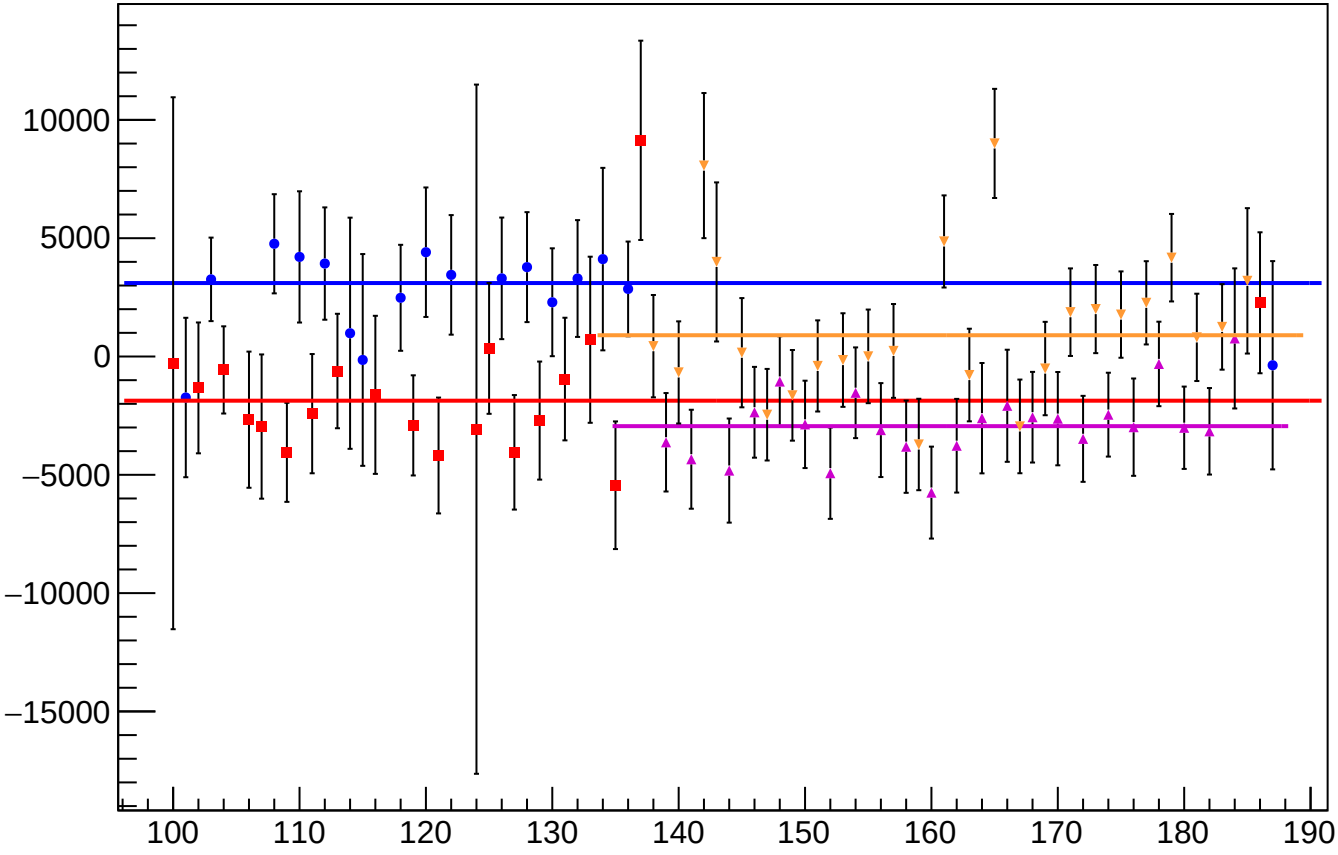
+ sign -0.000+/-0.000 χ^2/NDF: 42.2/41

All: -0.000+/-0.000 χ^2/NDF: 72.6/84

- sign -0.000+/-0.000 χ^2/NDF: 30.4/42


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2919323.7/16
Left Out: 0.000+/-0.000 χ²/NDF:2796753.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4079758.9/19
Left In: 0.000+/-0.000 χ²/NDF:2230717.6/22
+ sign 0.000+/-0.000 χ²/NDF: 7913393.1/41
All: 0.000+/-0.000 χ²/NDF: 16185587.7/84
- sign 0.000+/-0.000 χ²/NDF: 8050337.0/42

reg_asym_at2_avg_mean vs Slug



Right In: 3104.864+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1867.270+/-608.398 χ^2/NDF: 16.1/19

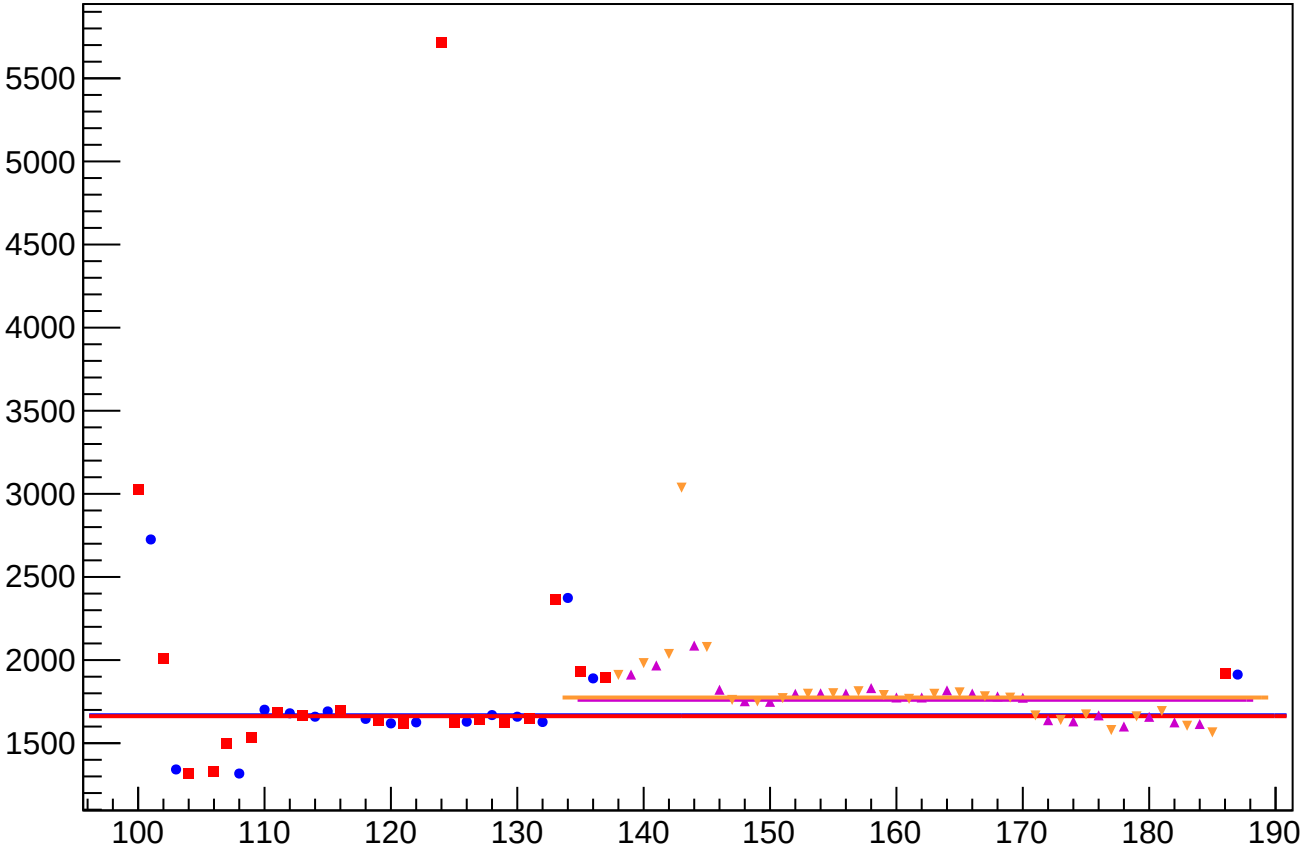
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1557.392+/-339.663 χ^2/NDF: 59.0/41

All: -514.494+/-240.712 χ^2/NDF: 162.6/84

- sign -2604.904+/-341.178 χ^2/NDF: 28.8/42

reg_asym_at2_avg_rms vs Slug



Right In: 1667.887+/-0.440 χ^2/NDF: 421946.9/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1662.375+/-0.430 χ^2/NDF: 447129.6/19

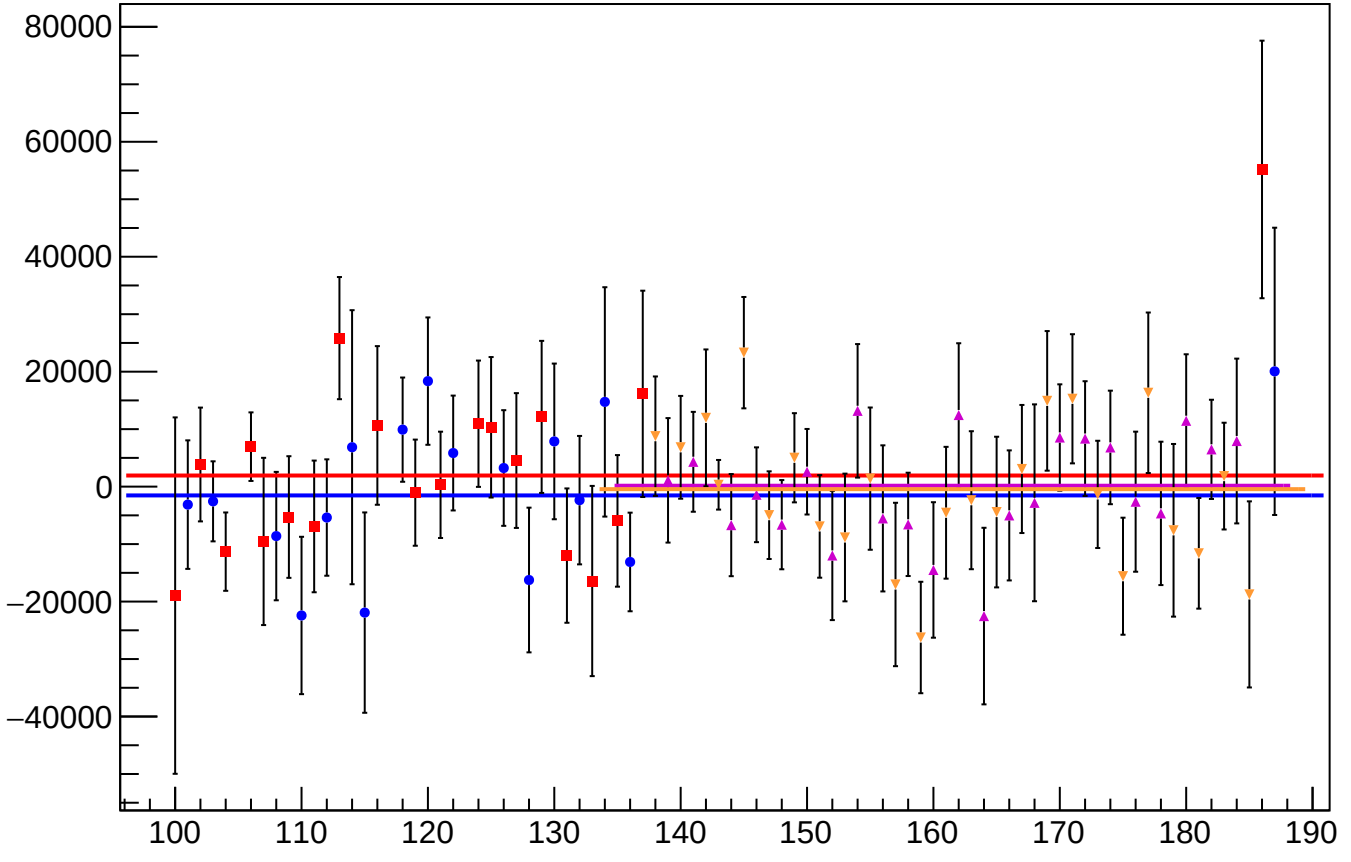
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1742.838+/-0.240 χ^2/NDF: 910281.3/41

All: 1736.470+/-0.170 χ^2/NDF: 1541183.5/84

- sign 1730.045+/-0.241 χ^2/NDF: 629490.0/42

asym_at2_avg_reg_correction_mean vs Slug



Right In: -1530.839+/-2727.231 χ^2/NDF: 15.1/16

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 1932.668+/-2415.897 χ^2/NDF: 23.4/19

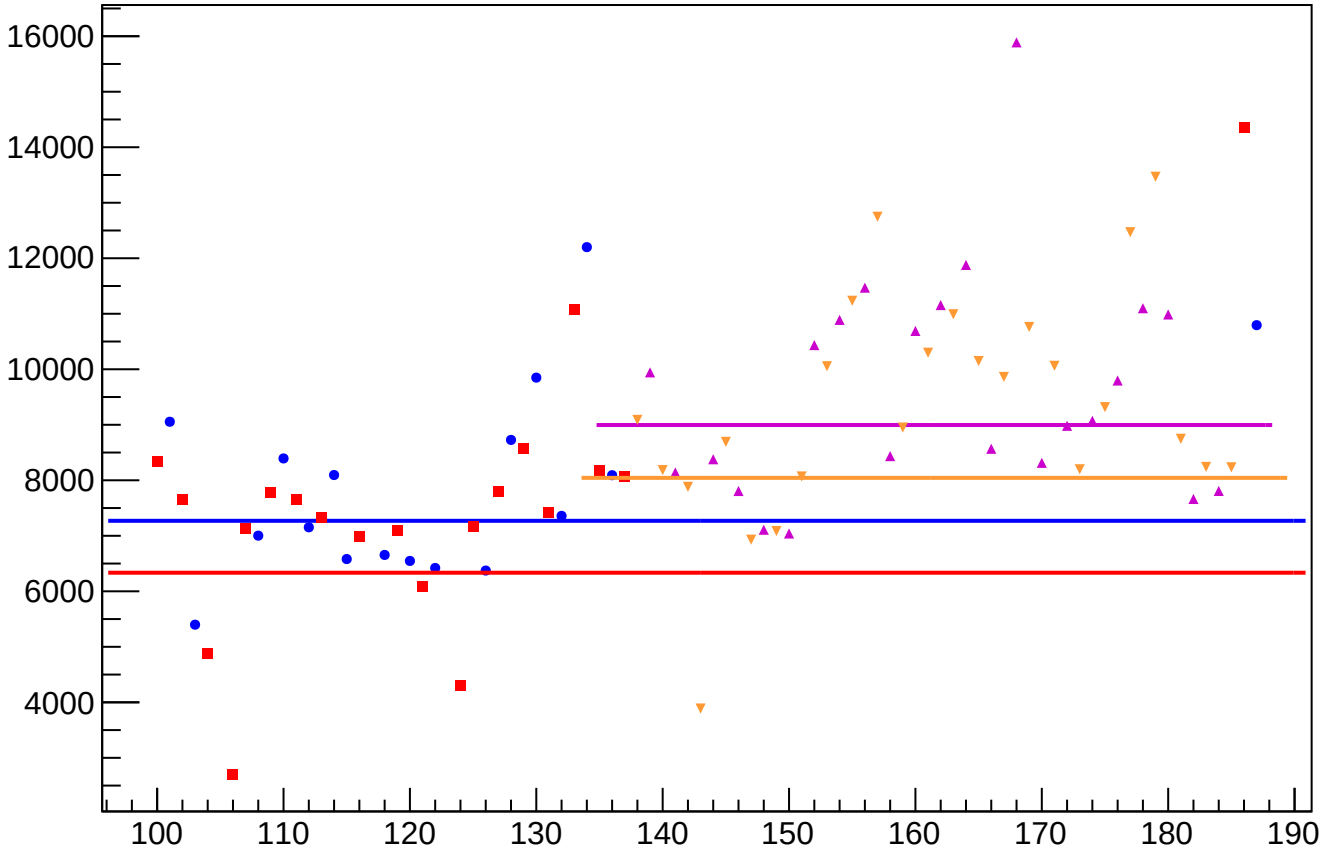
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -805.132+/-1573.021 χ^2/NDF: 44.7/41

All: 49.854+/-1122.871 χ^2/NDF: 82.8/84

- sign 938.152+/-1603.373 χ^2/NDF: 37.5/42

asym_at2_avg_reg_correction_rms vs Slug



Right In: 7270.069+/-1.928 χ^2/NDF: 543519.1/16

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

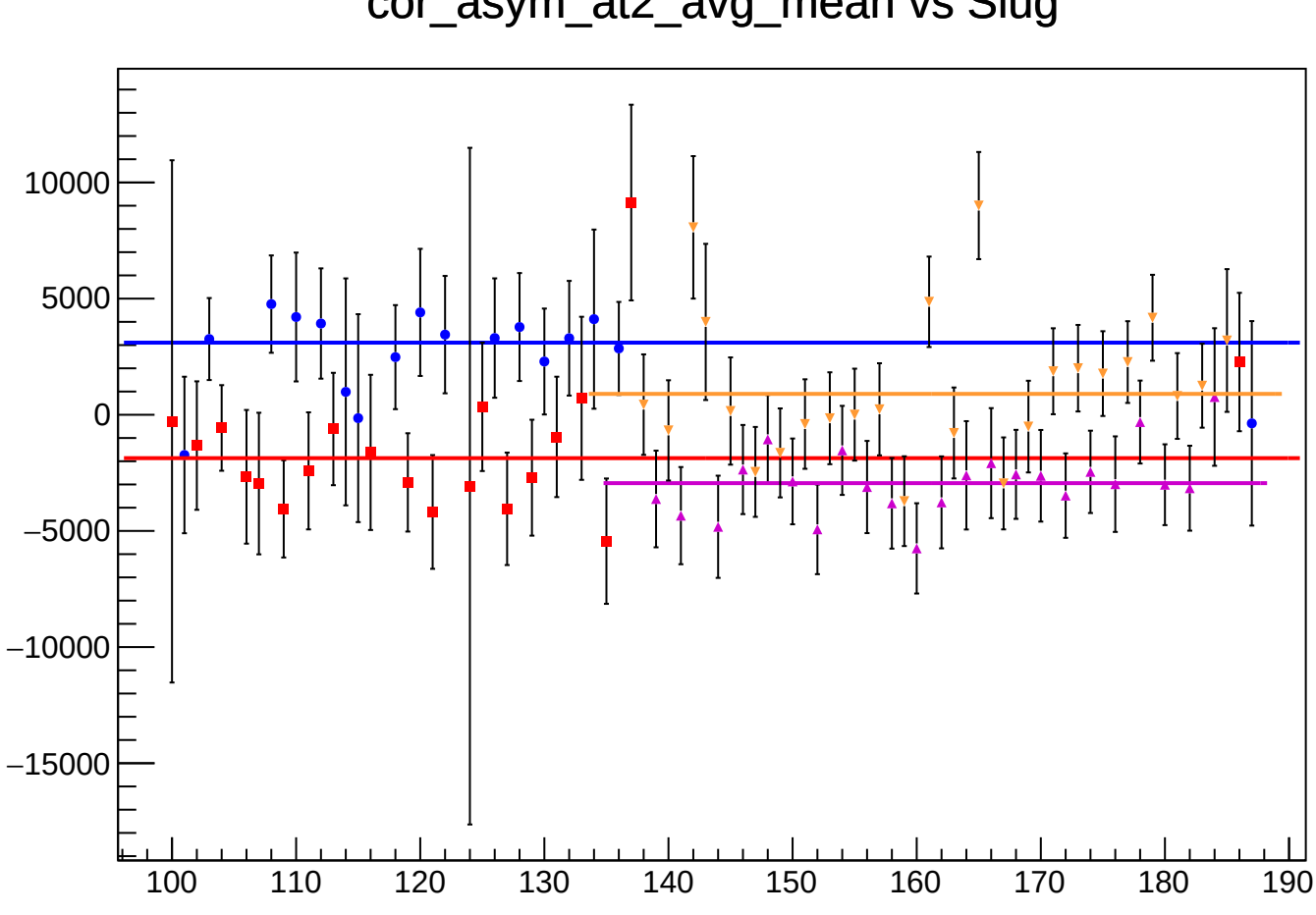
Right Out: 6334.807+/-1.708 χ^2/NDF: 1657871.3/19

Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 7786.419+/-1.112 χ^2/NDF: 4013790.8/41

All: 7804.667+/-0.794 χ^2/NDF: 8236814.6/84

- sign 7823.626+/-1.134 χ^2/NDF: 4222475.1/42



Right In: 3104.959+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1867.090+/-608.398 χ^2/NDF: 16.1/19

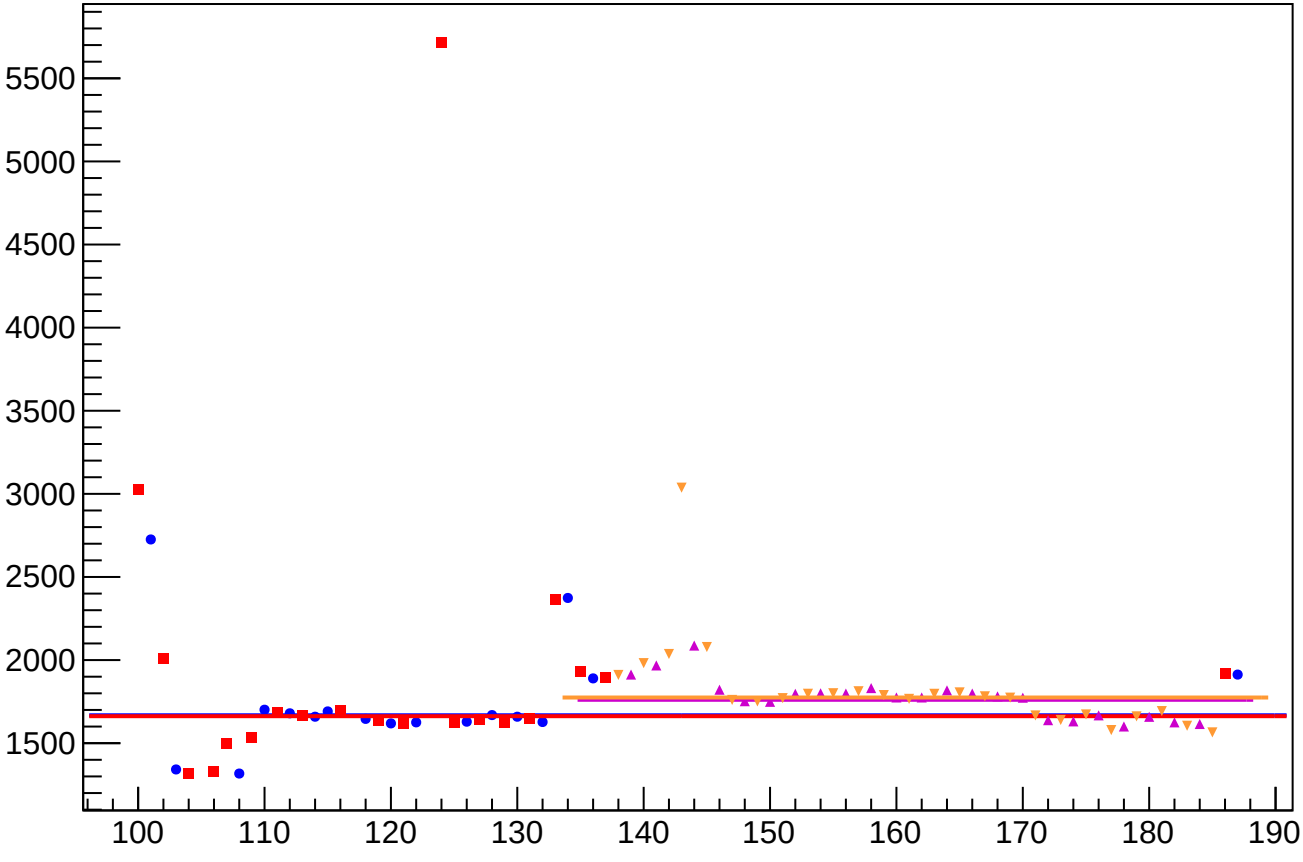
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1557.365+/-339.663 χ^2/NDF: 59.0/41

All: -514.441+/-240.712 χ^2/NDF: 162.5/84

- sign -2604.770+/-341.178 χ^2/NDF: 28.8/42

cor_asym_at2_avg_rms vs Slug



Right In: 1667.886+/-0.440 χ^2/NDF: 421947.2/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1662.375+/-0.430 χ^2/NDF: 447129.6/19

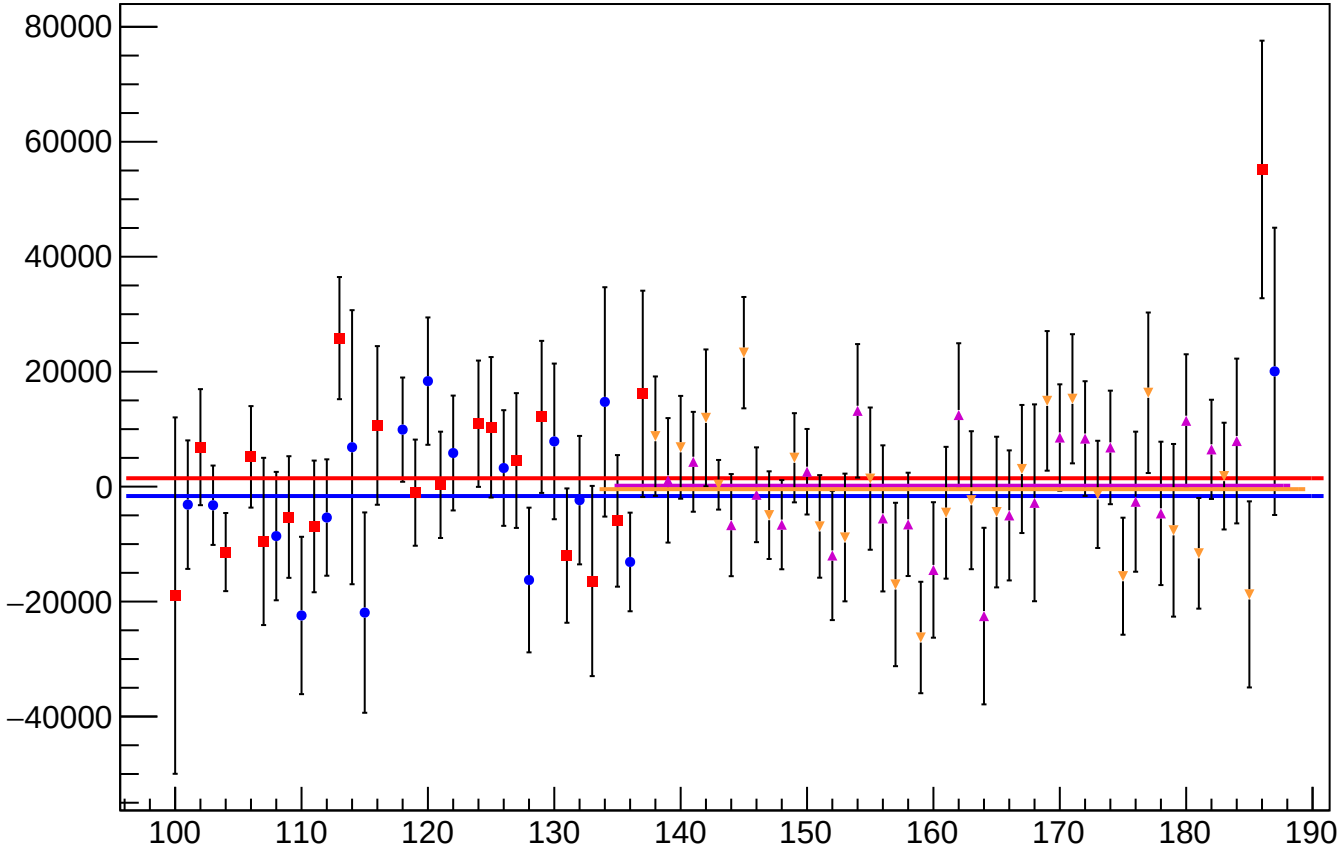
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1742.838+/-0.240 χ^2/NDF: 910281.8/41

All: 1736.470+/-0.170 χ^2/NDF: 1541184.1/84

- sign 1730.045+/-0.241 χ^2/NDF: 629490.2/42

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1639.332+/-2723.633 χ^2/NDF: 15.1/16

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1458.331+/-2533.590 χ^2/NDF: 23.1/19

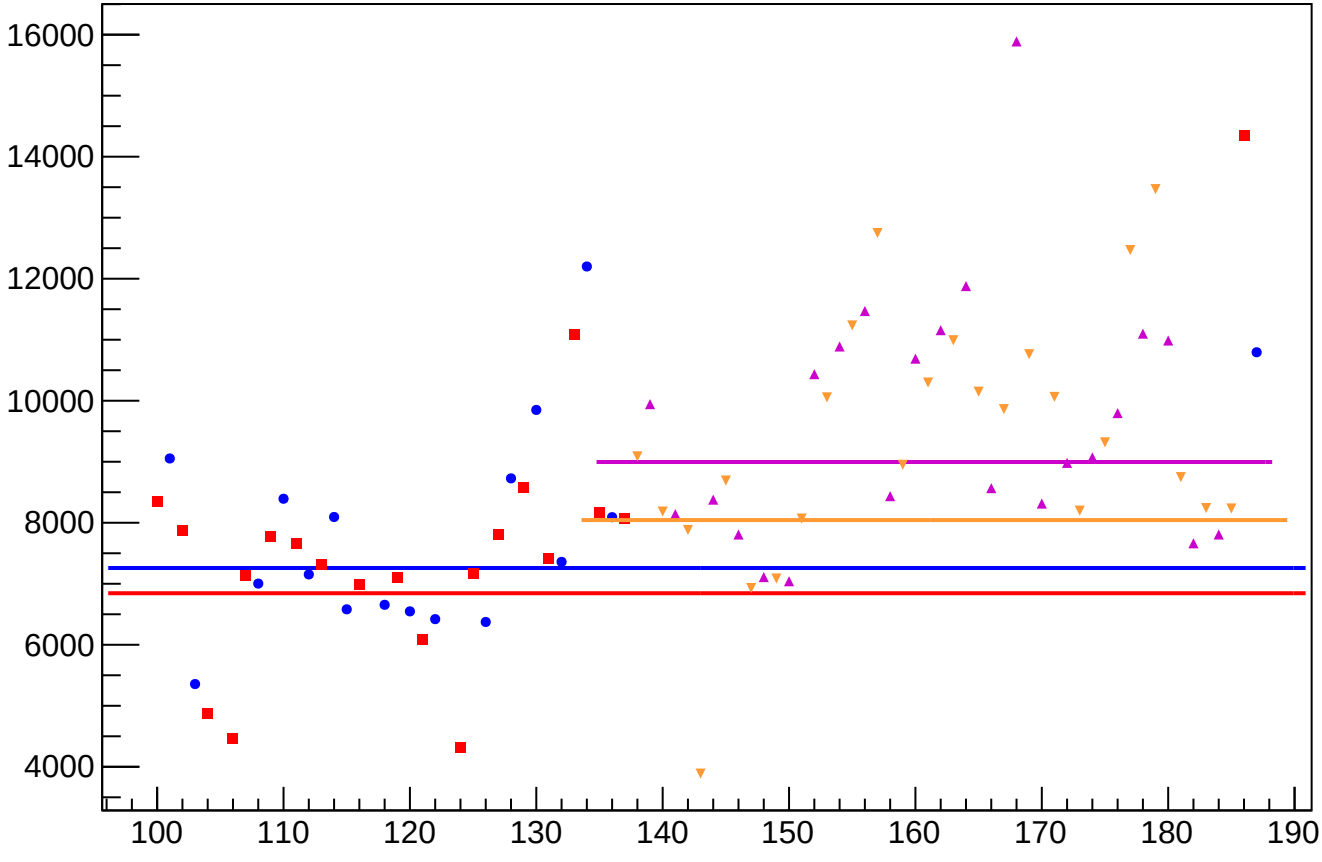
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign -841.953+/-1572.328 χ^2/NDF: 44.7/41

All: -102.312+/-1133.782 χ^2/NDF: 82.2/84

\- sign 698.848+/-1636.410 χ^2/NDF: 37.1/42

asym_at2_avg_cor_correction_rms vs Slug



Right In: 7258.534+/-1.926 χ^2/NDF: 552648.1/16

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

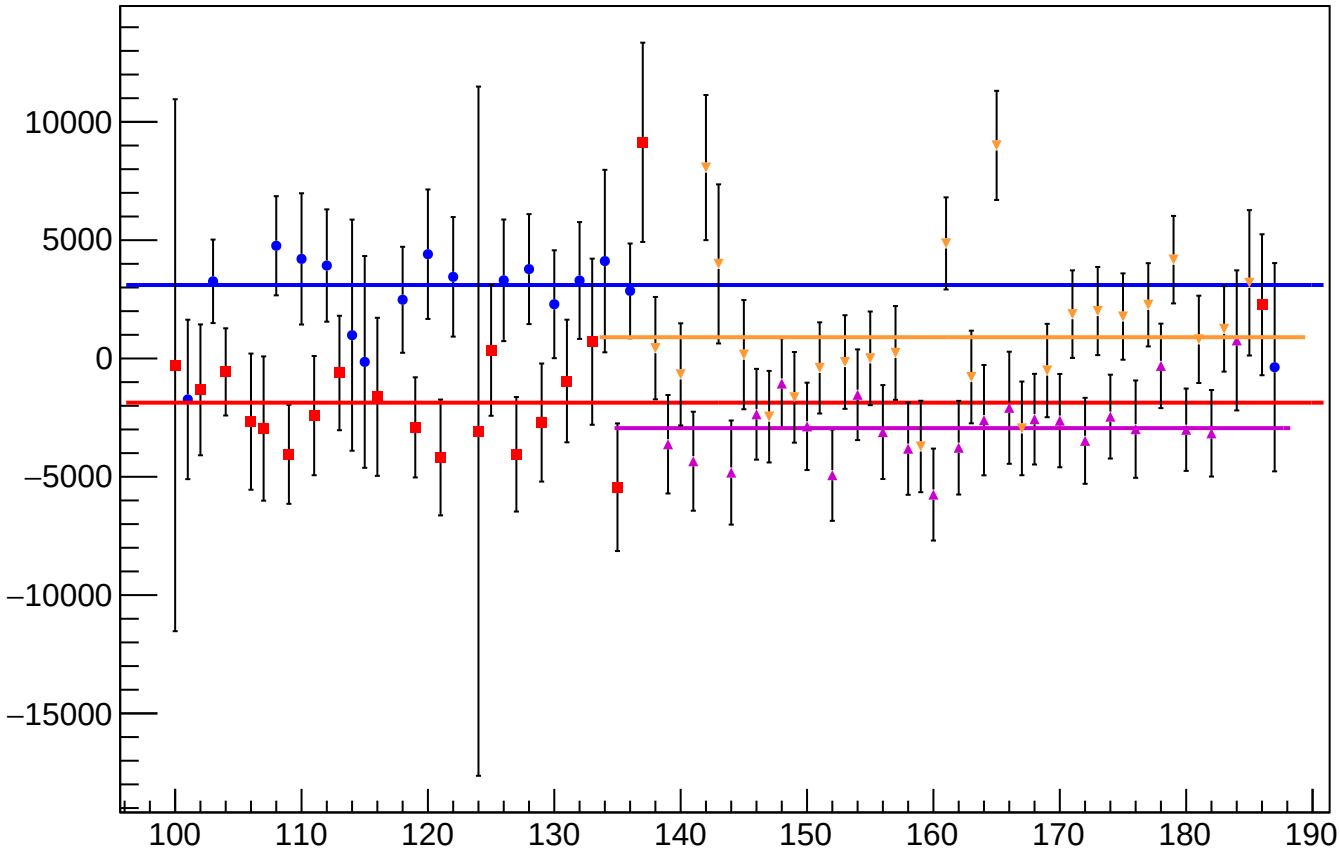
Right Out: 6844.908+/-1.792 χ^2/NDF: 935953.7/19

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7782.105+/-1.112 χ^2/NDF: 4026412.1/41

All: 7933.942+/-0.802 χ^2/NDF: 7048326.7/84

- sign 8098.408+/-1.157 χ^2/NDF: 2983061.5/42



Right In: 3104.959+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1867.090+/-608.398 χ^2/NDF: 16.1/19

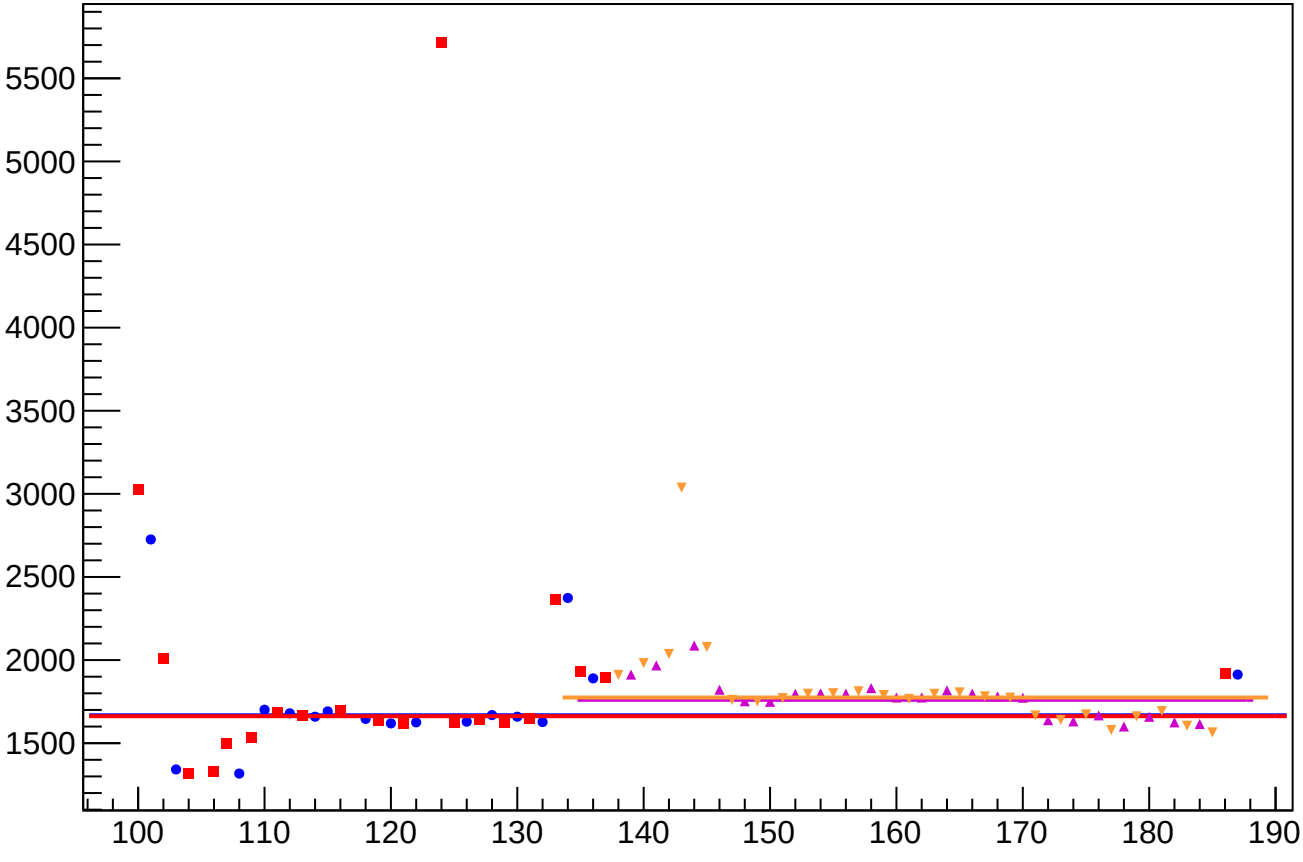
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1557.365+/-339.663 χ^2/NDF: 59.0/41

All: -514.441+/-240.712 χ^2/NDF: 162.5/84

- sign -2604.770+/-341.178 χ^2/NDF: 28.8/42

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1667.886+/-0.440 χ^2/NDF: 421947.2/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1662.375+/-0.430 χ^2/NDF: 447129.6/19

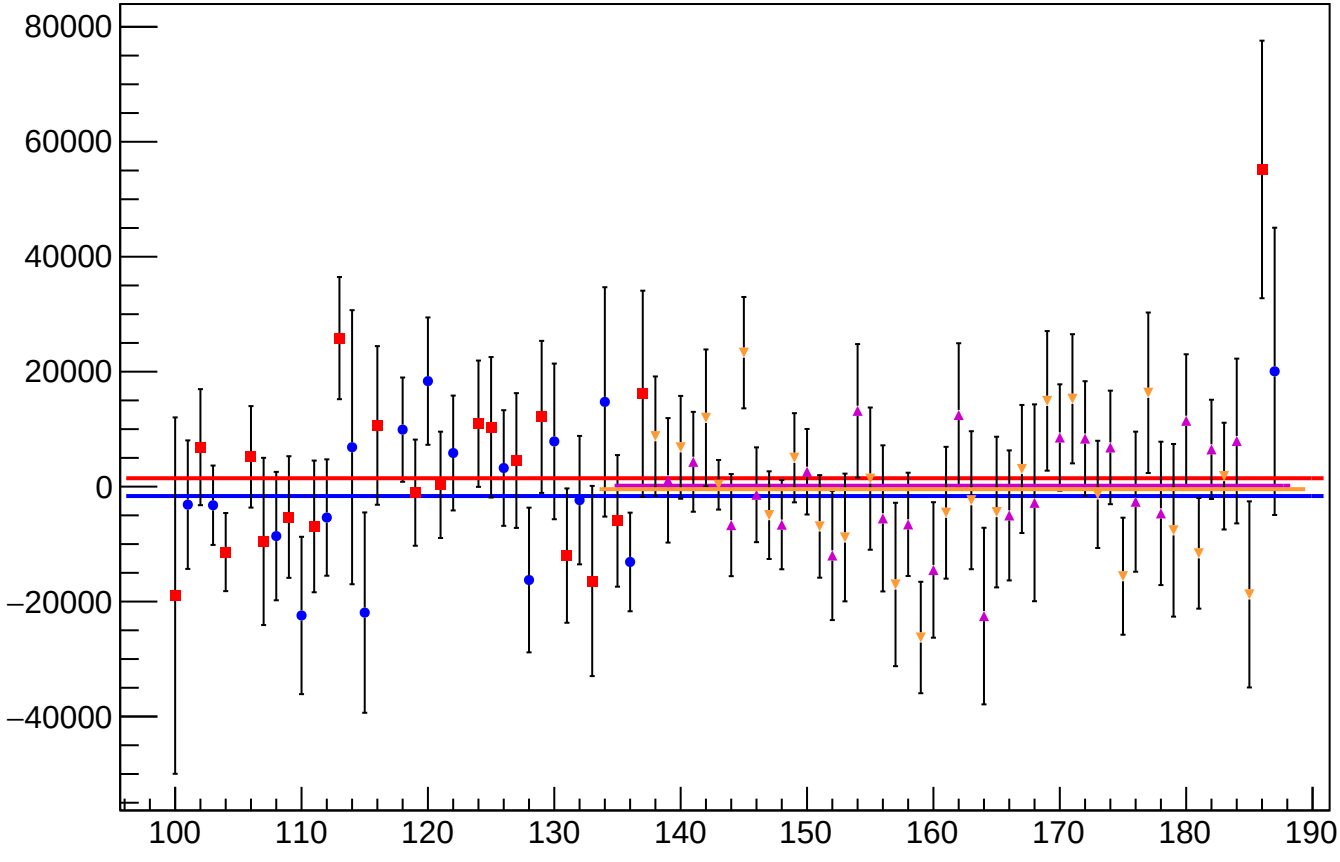
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1742.838+/-0.240 χ^2/NDF: 910281.8/41

All: 1736.470+/-0.170 χ^2/NDF: 1541184.1/84

- sign 1730.045+/-0.241 χ^2/NDF: 629490.2/42

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1639.332+/-2723.633 χ^2/NDF: 15.1/16

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1458.331+/-2533.590 χ^2/NDF: 23.1/19

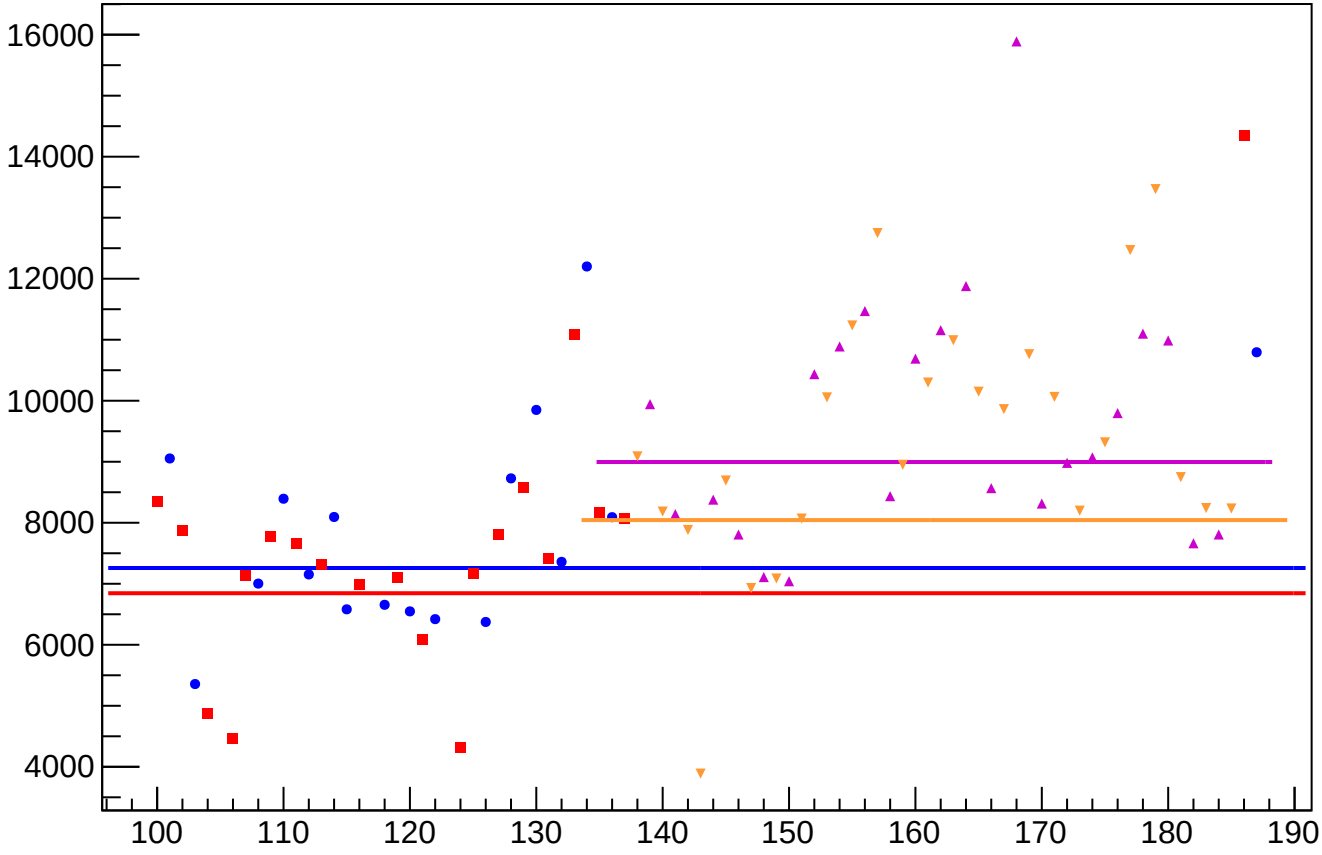
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -841.953+/-1572.328 χ^2/NDF: 44.7/41

All: -102.312+/-1133.782 χ^2/NDF: 82.2/84

- sign 698.848+/-1636.410 χ^2/NDF: 37.1/42

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 7258.534+/-1.926 χ^2/NDF: 552648.1/16

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 6844.908+/-1.792 χ^2/NDF: 935953.7/19

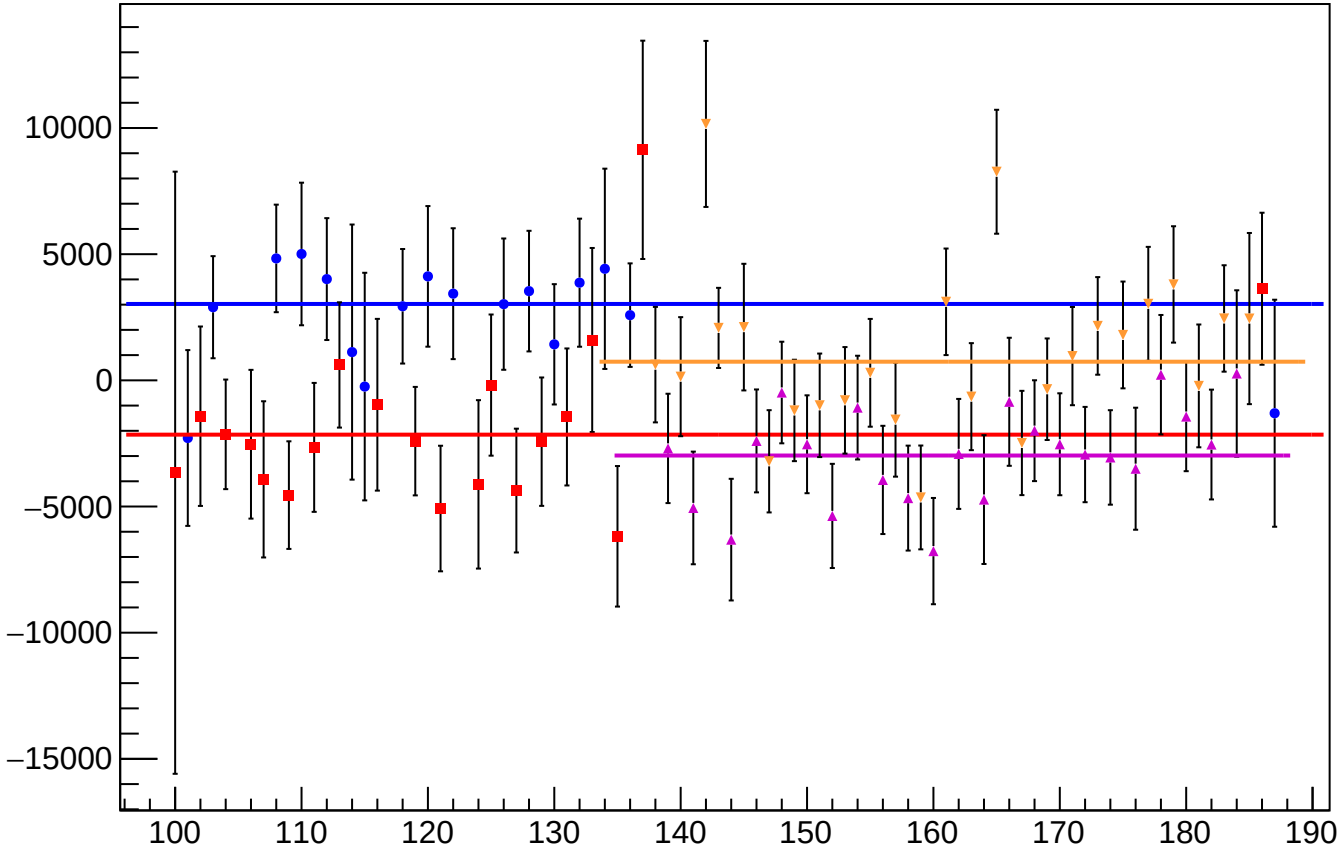
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 7782.105+/-1.112 χ^2/NDF: 4026412.1/41

All: 7933.942+/-0.802 χ^2/NDF: 7048326.7/84

- sign 8098.408+/-1.157 χ^2/NDF: 2983061.5/42

dit_asym_at2_avg_mean vs Slug



Right In: 3027.161+/-644.404 χ^2/NDF: 6.3/16

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2152.202+/-625.105 χ^2/NDF: 19.8/19

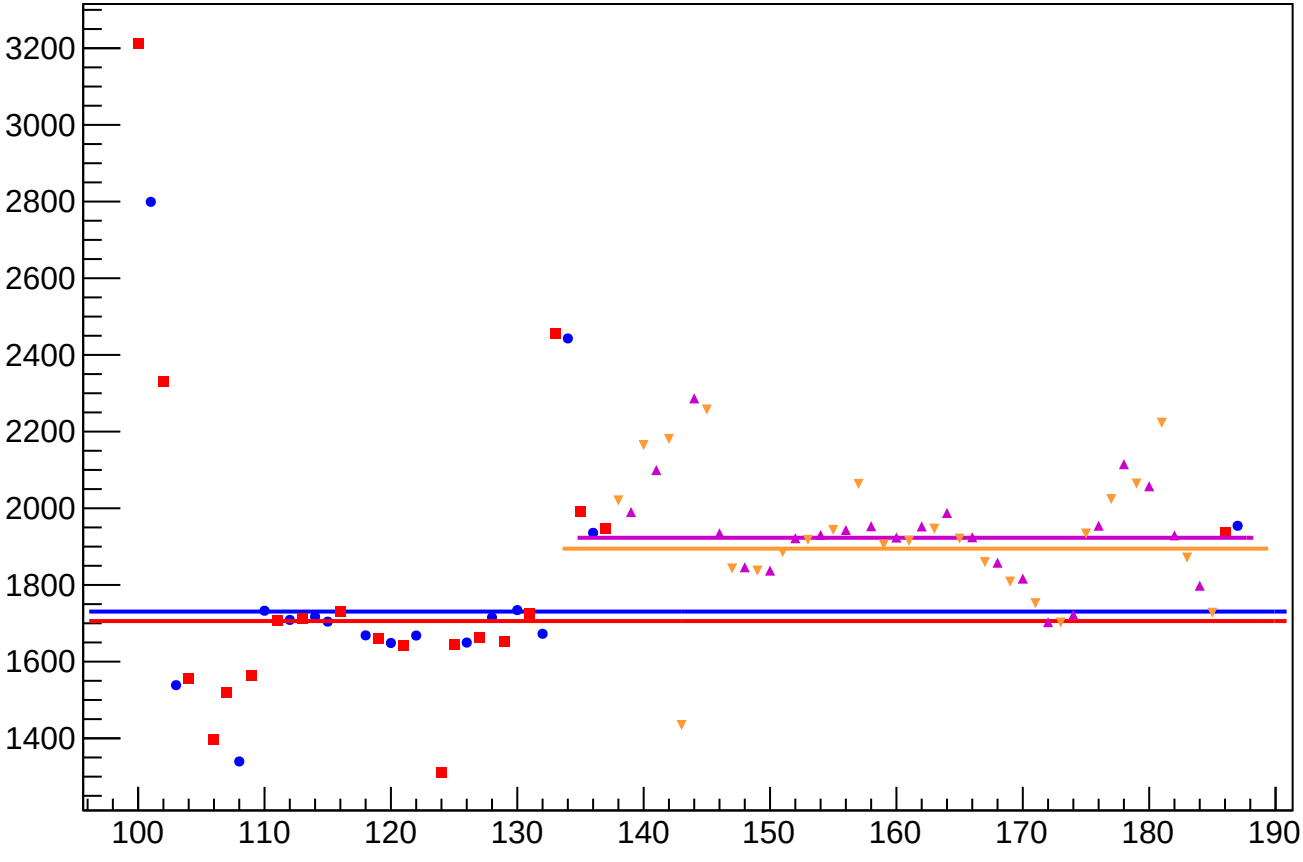
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1450.496+/-359.331 χ^2/NDF: 56.6/41

All: -588.410+/-256.201 χ^2/NDF: 158.7/84

- sign -2696.655+/-365.390 χ^2/NDF: 36.6/42

dit_asym_at2_avg_rms vs Slug



Right In: 1730.598+/-0.456 χ^2/NDF: 370689.8/16

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1705.810+/-0.442 χ^2/NDF: 297992.6/19

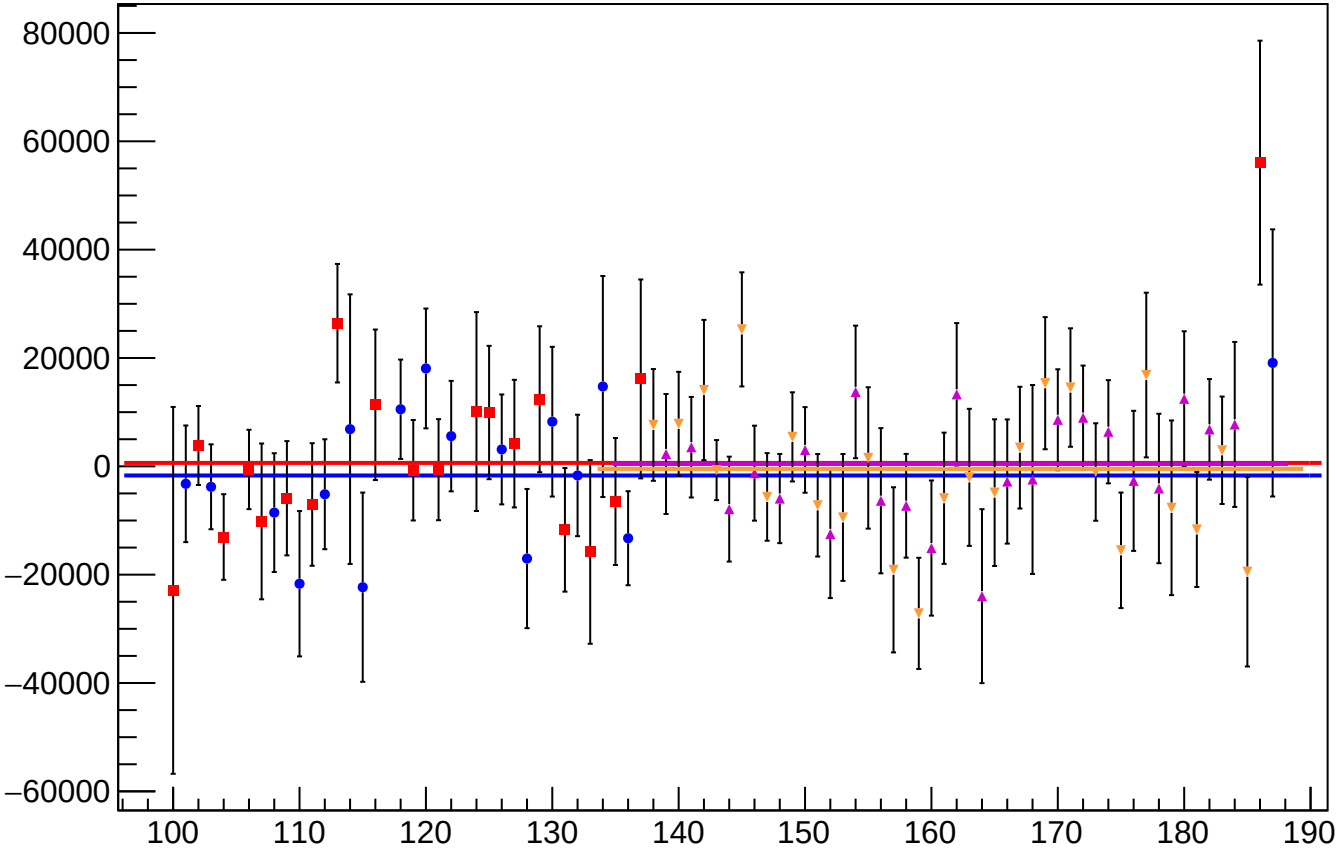
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1843.664+/-0.254 χ^2/NDF: 828631.5/41

All: 1846.181+/-0.181 χ^2/NDF: 1436877.3/84

- sign 1848.783+/-0.258 χ^2/NDF: 608046.2/42

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1690.943+/-2780.464 χ^2/NDF: 15.1/16

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 631.332+/-2513.716 χ^2/NDF: 22.2/19

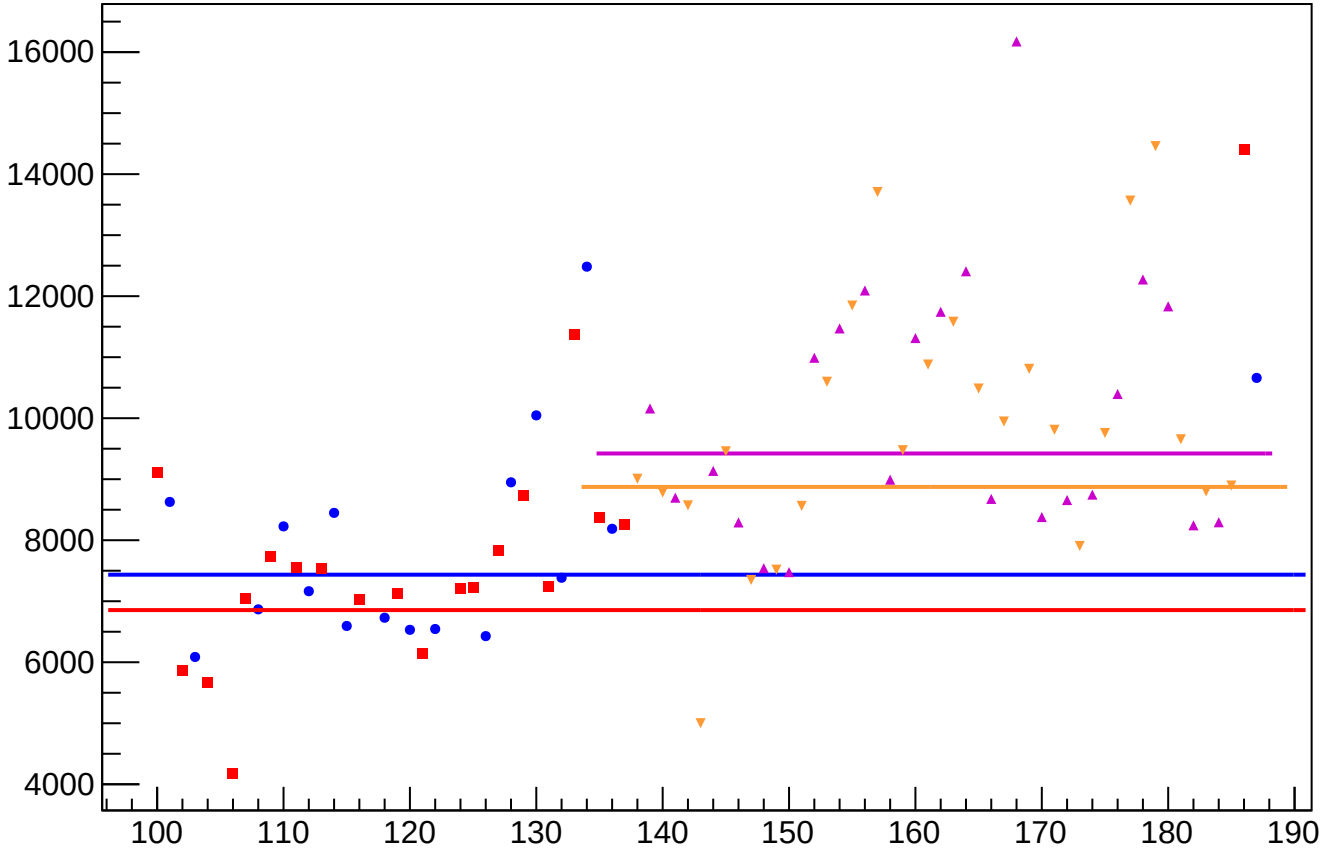
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -916.556+/-1670.266 χ^2/NDF: 44.0/41

All: -198.563+/-1182.552 χ^2/NDF: 80.2/84

- sign 523.077+/-1674.502 χ^2/NDF: 35.8/42

asym_at2_avg_dit_correction_rms vs Slug



Right In: 7435.156+/-1.966 χ^2/NDF: 436482.0/16

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 6854.792+/-1.777 χ^2/NDF: 872393.4/19

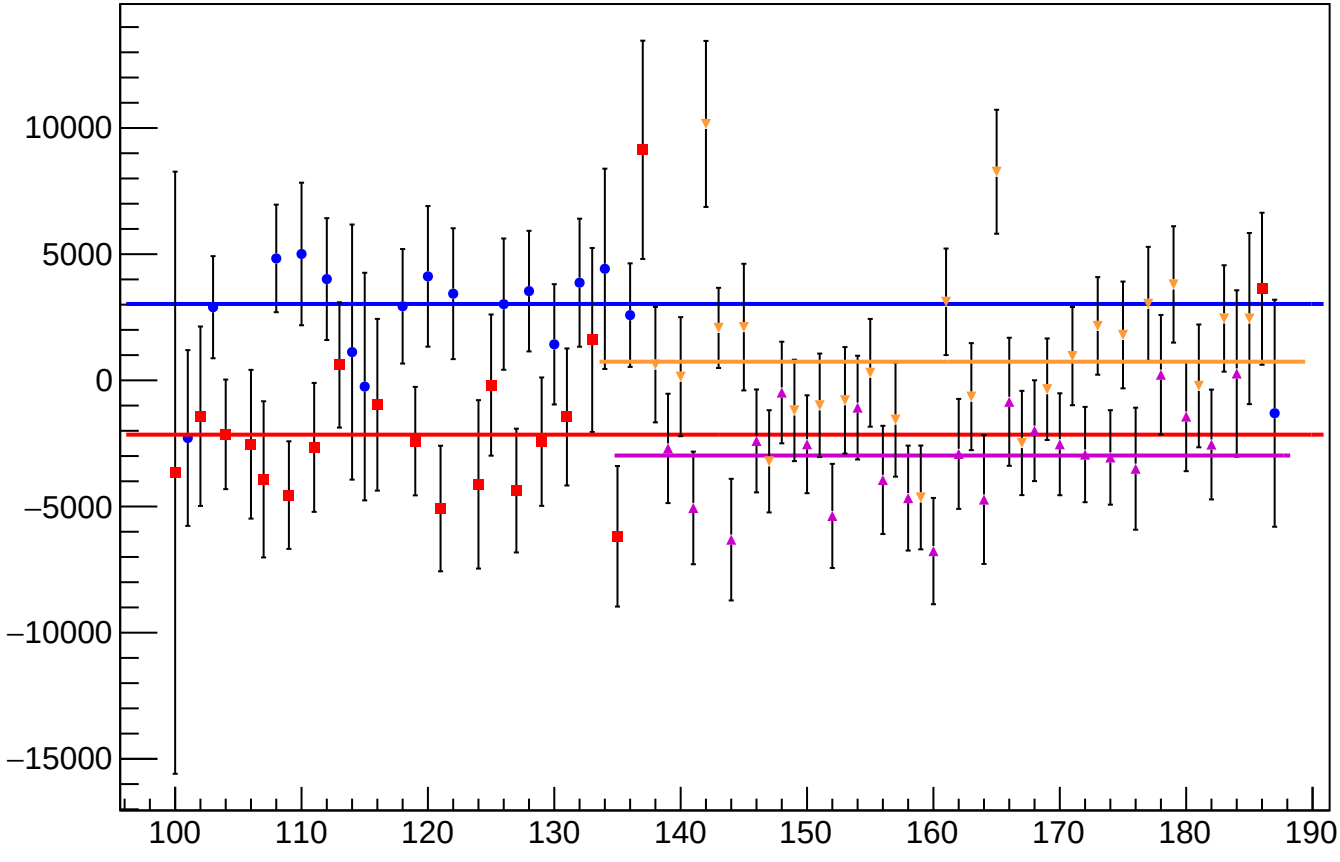
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8354.520+/-1.181 χ^2/NDF: 2981848.1/41

All: 8318.669+/-0.836 χ^2/NDF: 6221023.1/84

- sign 8282.636+/-1.184 χ^2/NDF: 3237327.5/42

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 3027.165+/-644.404 χ^2/NDF: 6.3/16

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2152.215+/-625.105 χ^2/NDF: 19.8/19

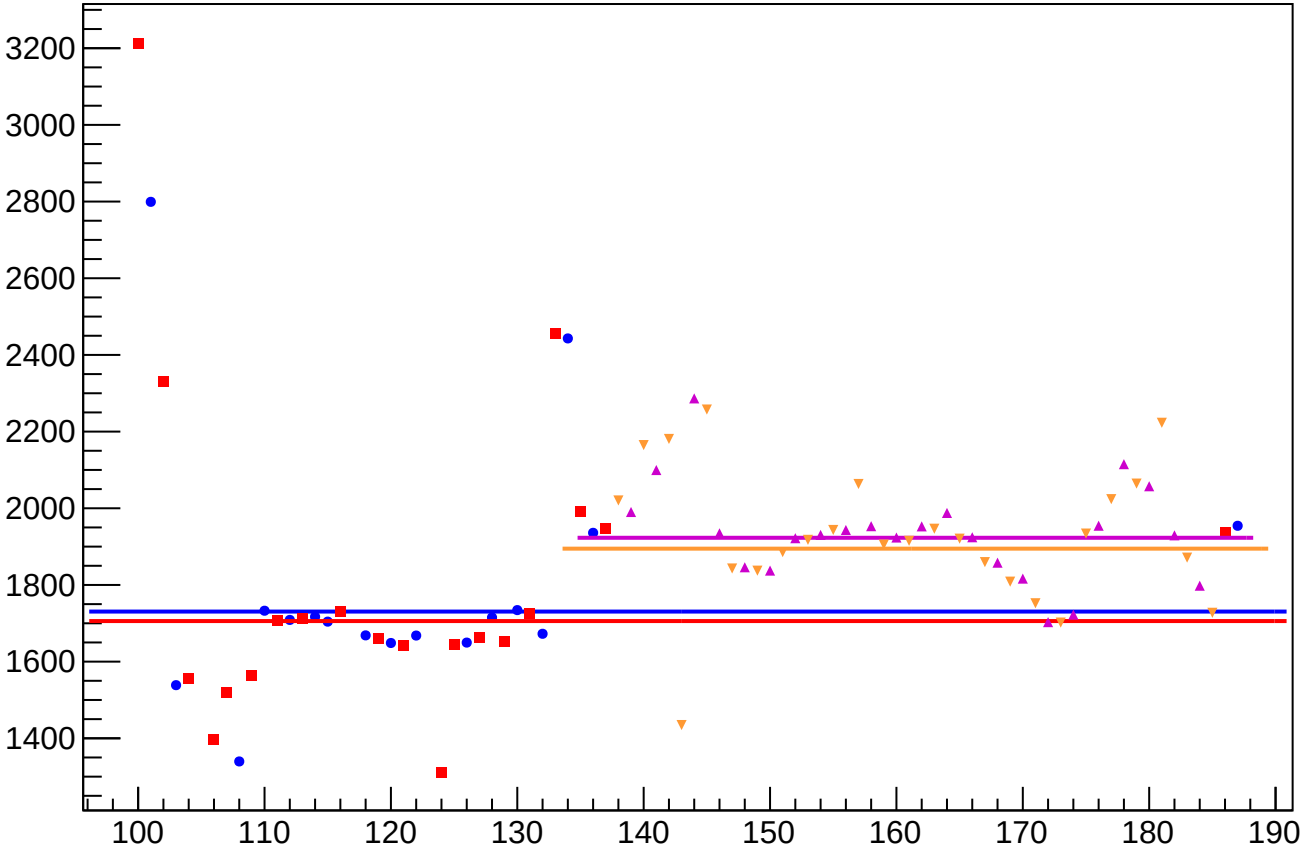
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1450.491+/-359.332 χ^2/NDF: 56.6/41

All: -588.415+/-256.201 χ^2/NDF: 158.7/84

- sign -2696.660+/-365.391 χ^2/NDF: 36.6/42

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1730.597+/-0.456 χ^2/NDF: 370689.9/16

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1705.809+/-0.442 χ^2/NDF: 297992.6/19

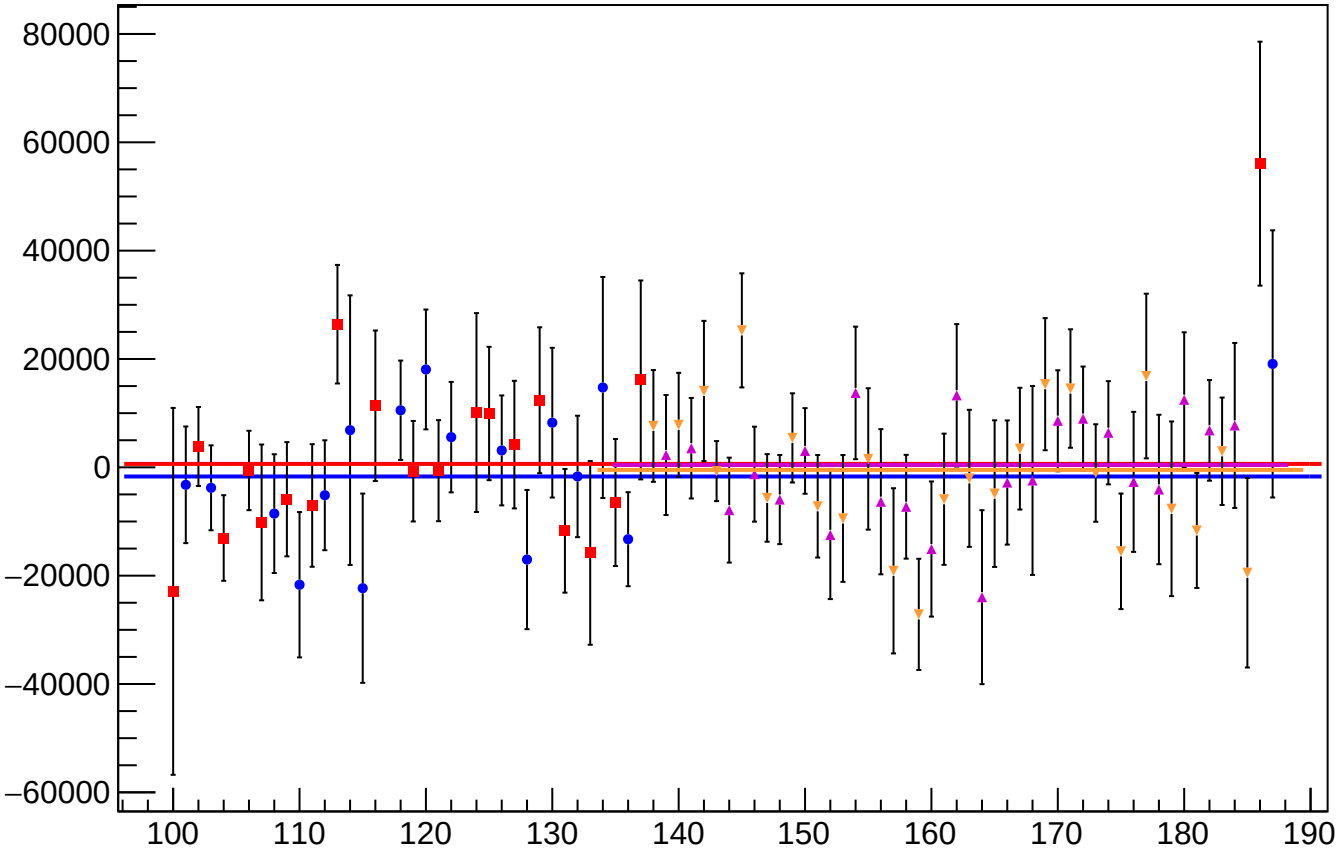
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1843.665+/-0.254 χ^2/NDF: 828643.0/41

All: 1846.183+/-0.181 χ^2/NDF: 1436901.6/84

- sign 1848.785+/-0.258 χ^2/NDF: 608059.0/42

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1690.923+/-2780.457 χ^2/NDF: 15.1/16

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 631.323+/-2513.710 χ^2/NDF: 22.2/19

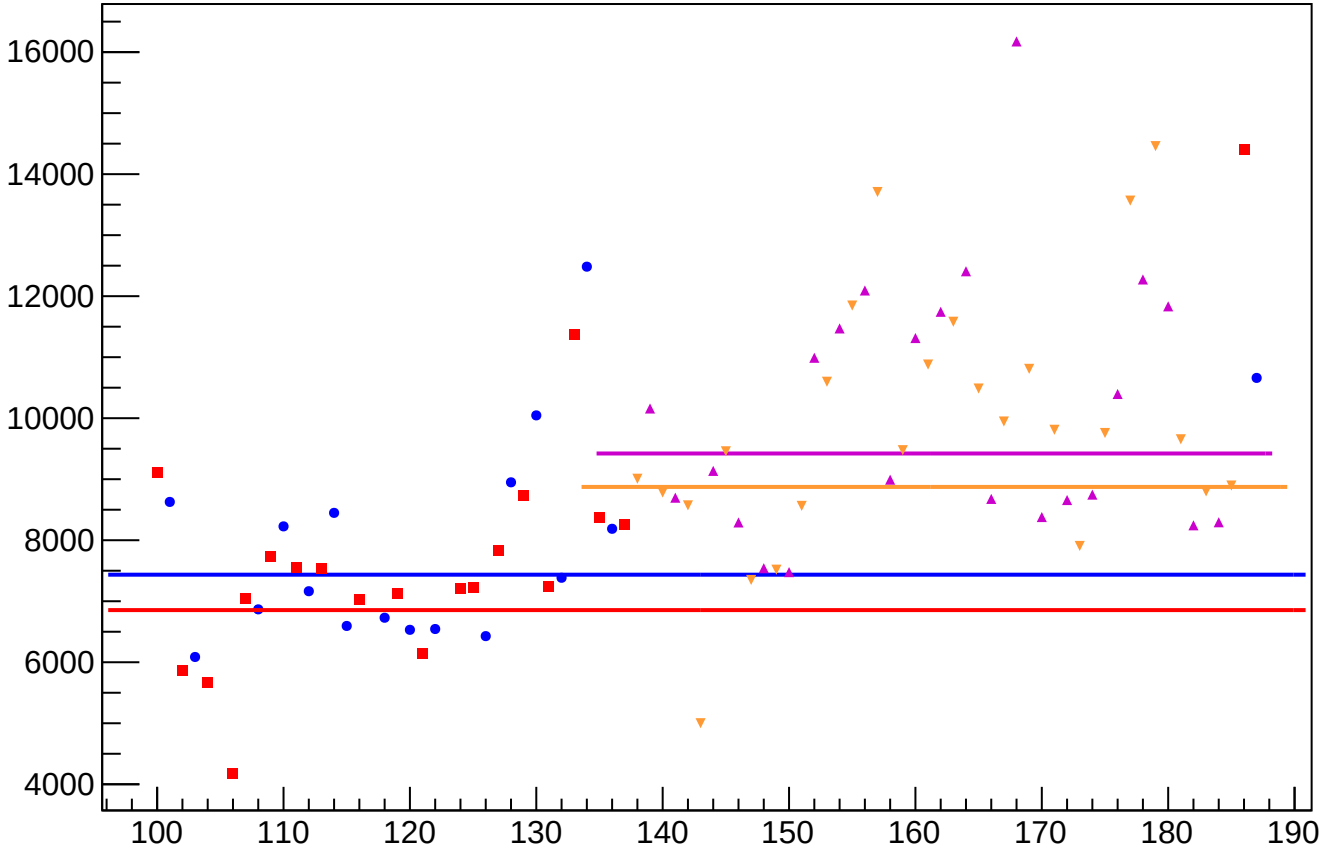
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -916.556+/-1670.267 χ^2/NDF: 44.0/41

All: -198.563+/-1182.552 χ^2/NDF: 80.2/84

- sign 523.075+/-1674.502 χ^2/NDF: 35.8/42

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 7435.139+/-1.966 χ^2/NDF: 436484.9/16

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

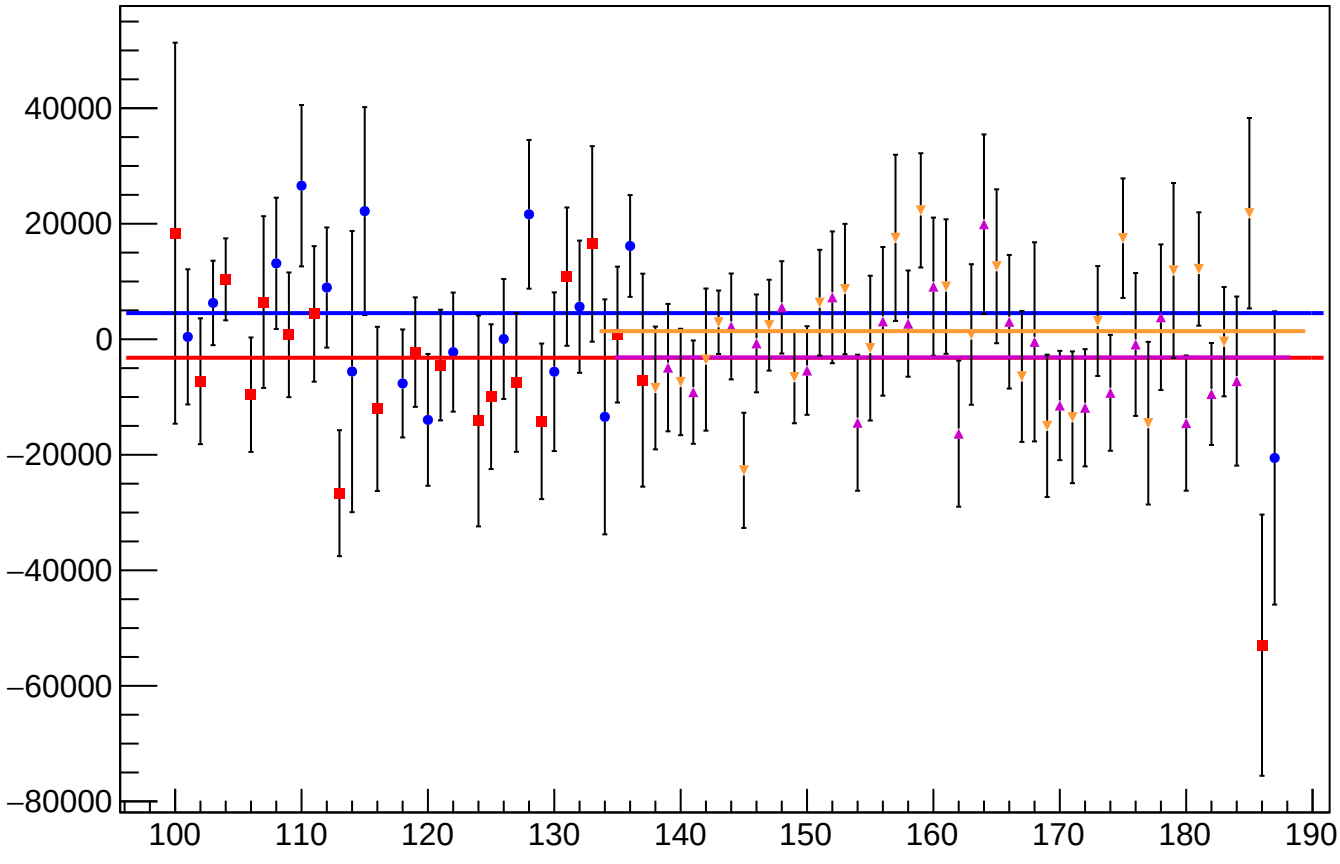
Right Out: 6854.777+/-1.777 χ^2/NDF: 872392.5/19

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8354.521+/-1.181 χ^2/NDF: 2981868.2/41

All: 8318.668+/-0.836 χ^2/NDF: 6221073.6/84

- sign 8282.633+/-1.184 χ^2/NDF: 3237357.7/42



Right In: 4526.460+/-2811.516 χ^2/NDF: 15.3/16

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -3202.950+/-2676.579 χ^2/NDF: 19.8/19

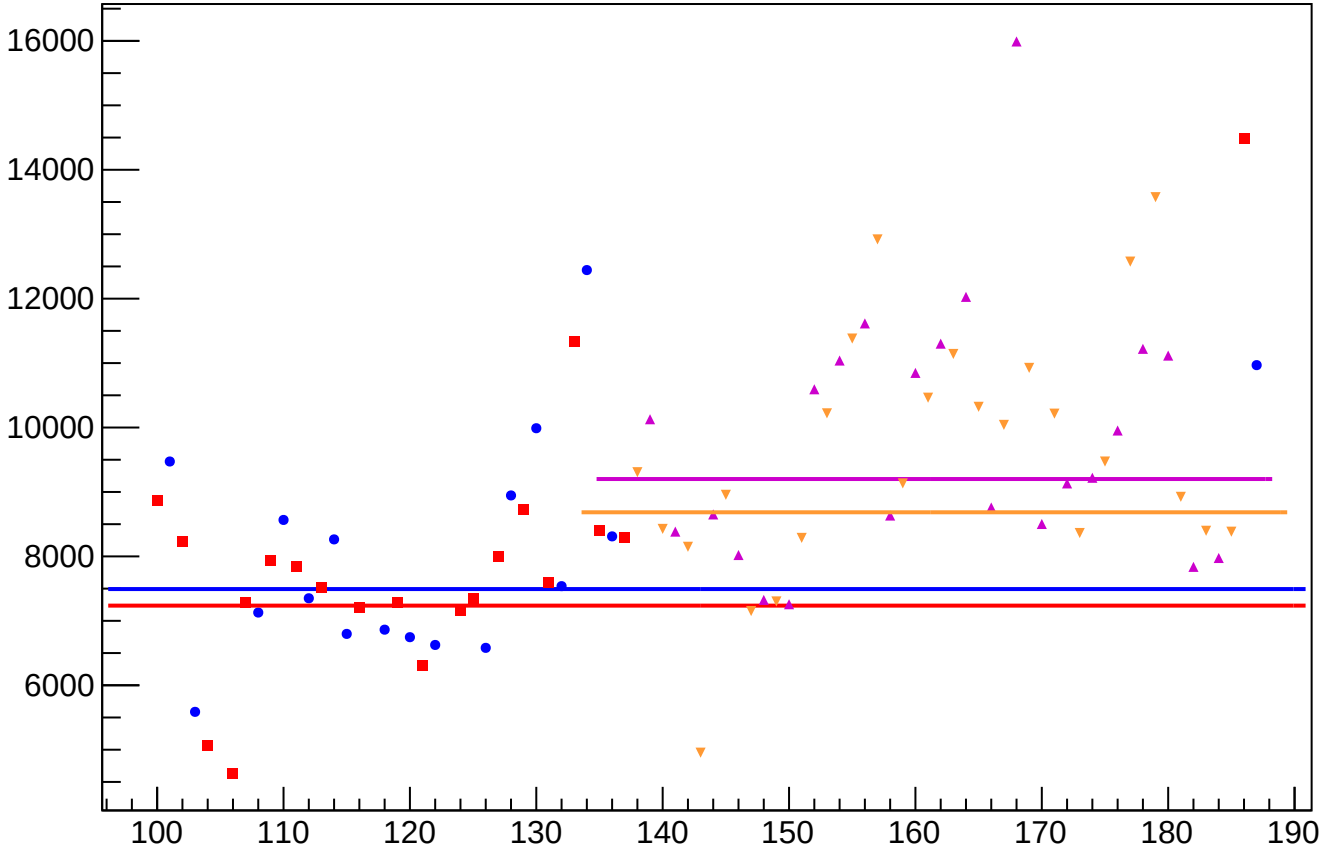
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2483.689+/-1651.095 χ^2/NDF: 43.6/41

All: -266.957+/-1182.615 χ^2/NDF: 82.1/84

- sign -3164.795+/-1694.696 χ^2/NDF: 32.8/42

asym_at2_avg_rms vs Slug



Right In: 7493.136+/-1.988 χ^2/NDF: 524369.6/16

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7236.067+/-1.892 χ^2/NDF: 765272.0/19

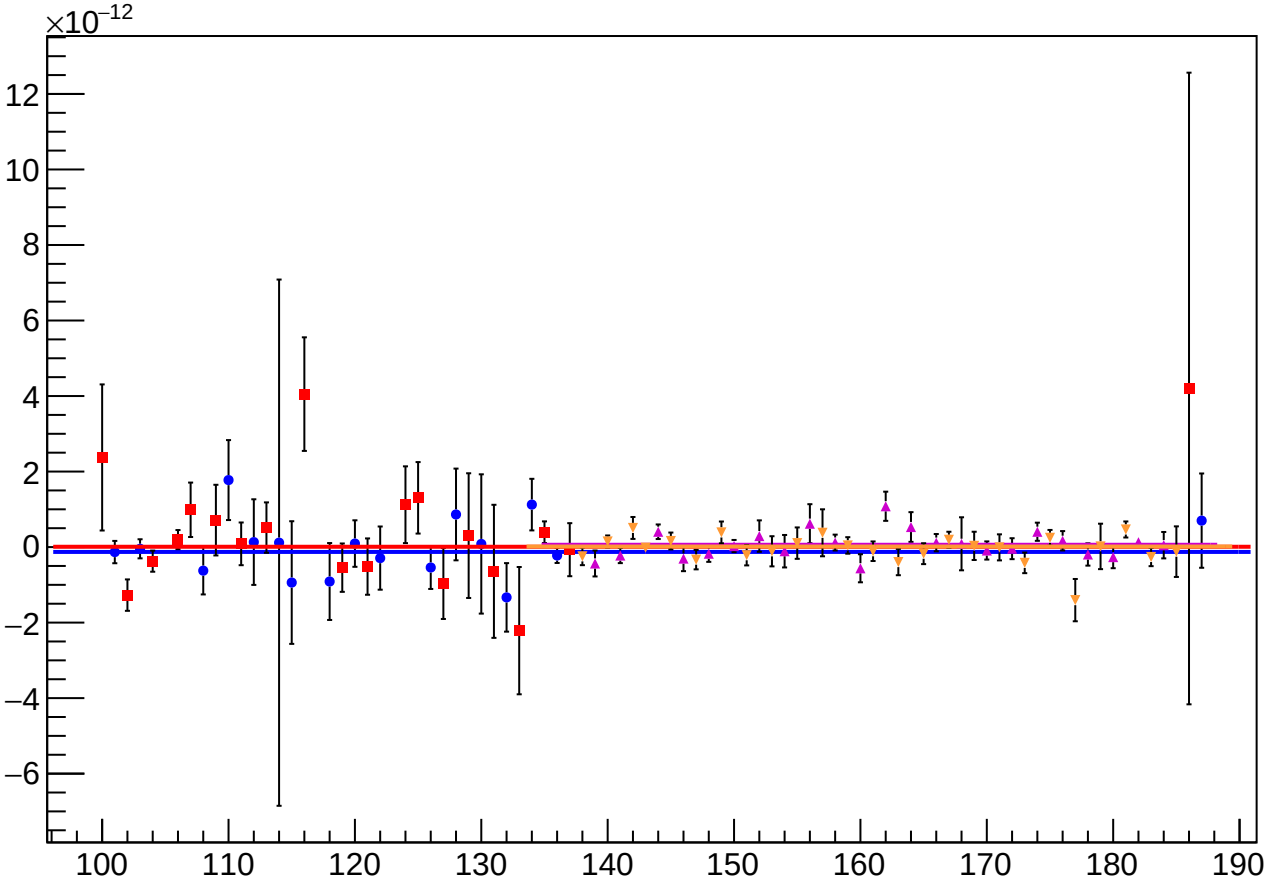
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8273.654+/-1.167 χ^2/NDF: 2811281.1/41

All: 8341.559+/-0.836 χ^2/NDF: 5358603.2/84

- sign 8413.094+/-1.198 χ^2/NDF: 2540375.4/42

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/19

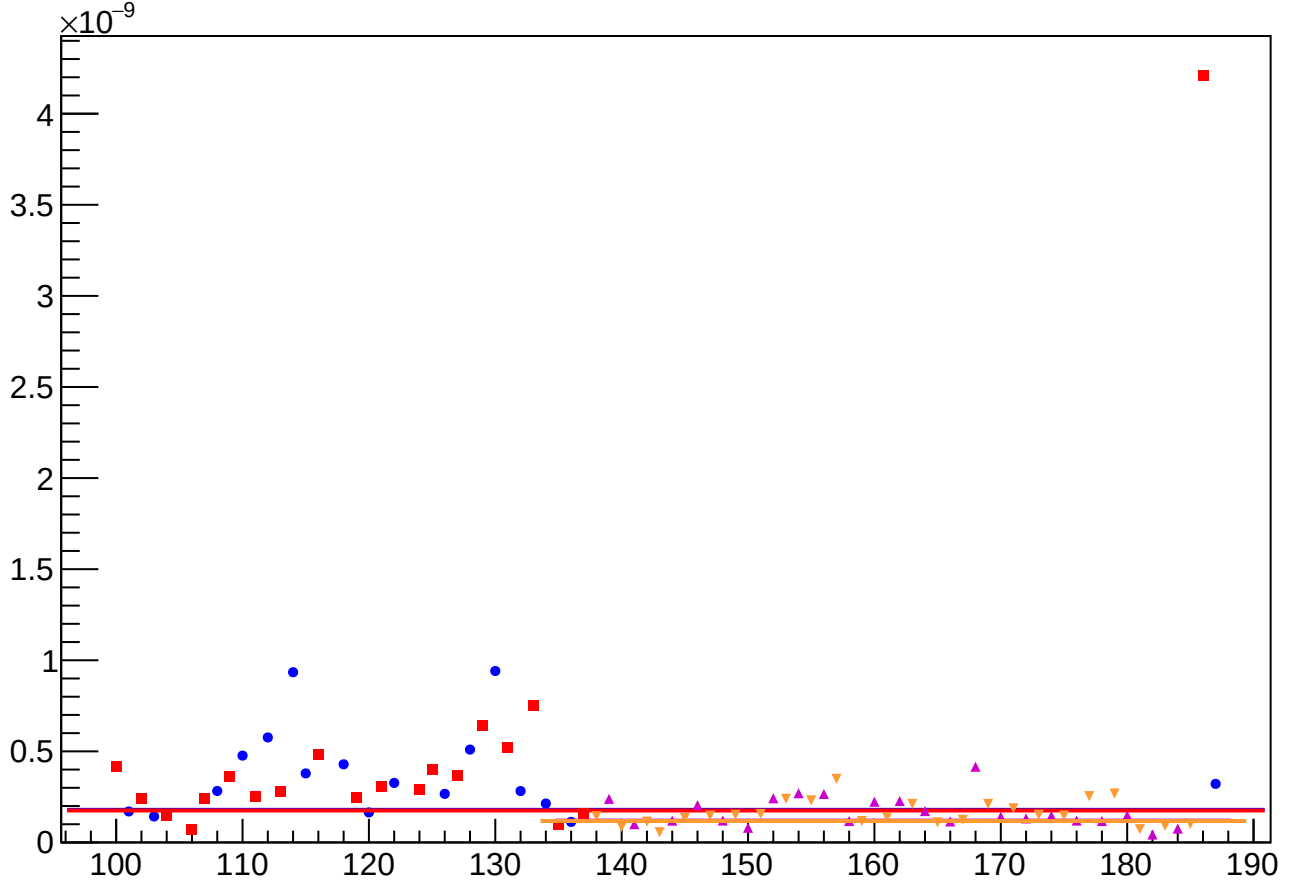
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.1/41

All: 0.000+/-0.000 χ^2/NDF: 103.8/84

- sign 0.000+/-0.000 χ^2/NDF: 60.9/42

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1556433.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2107252.9/19

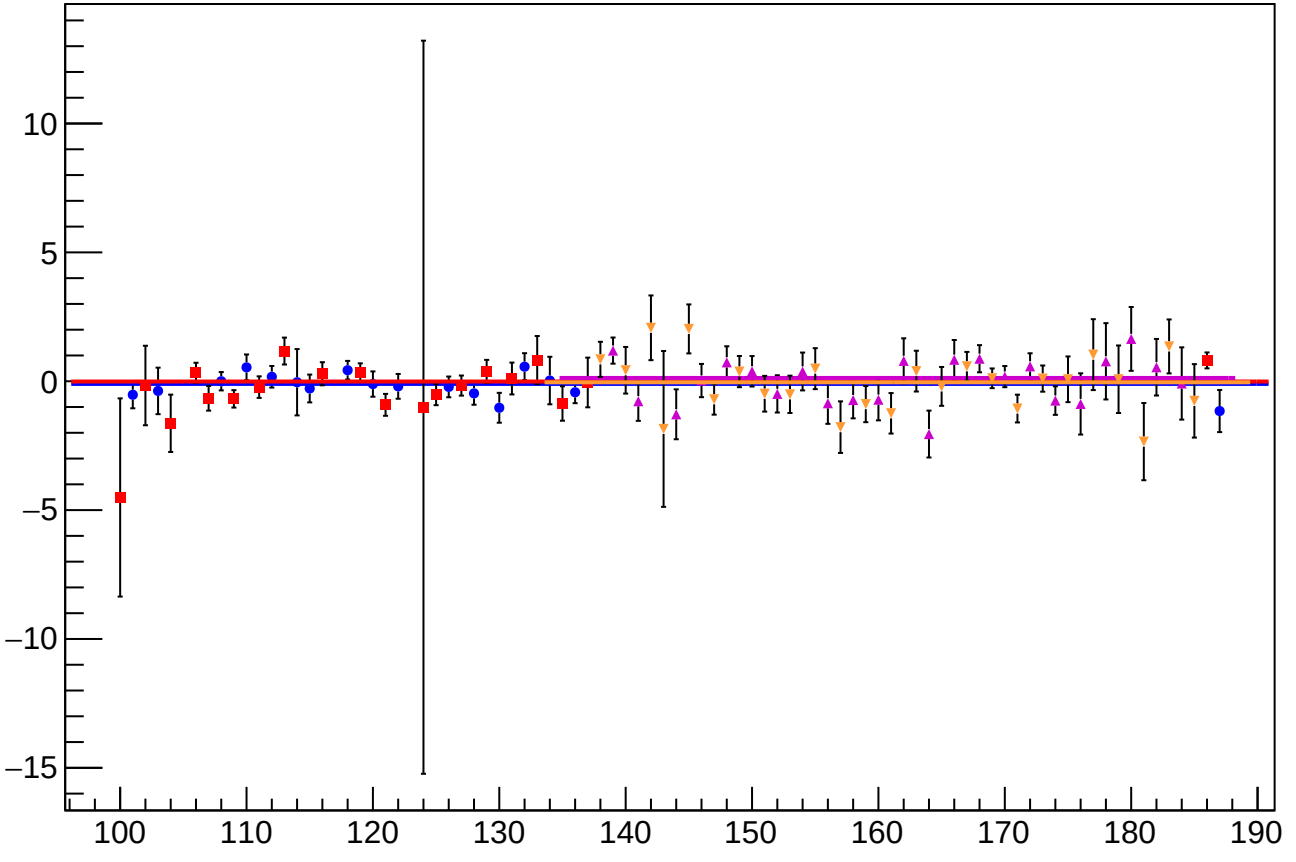
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4343421.1/41

All: 0.000+/-0.000 χ^2/NDF: 9459263.9/84

- sign 0.000+/-0.000 χ^2/NDF: 5114428.5/42

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.010+/-0.109 χ^2/NDF: 33.3/19

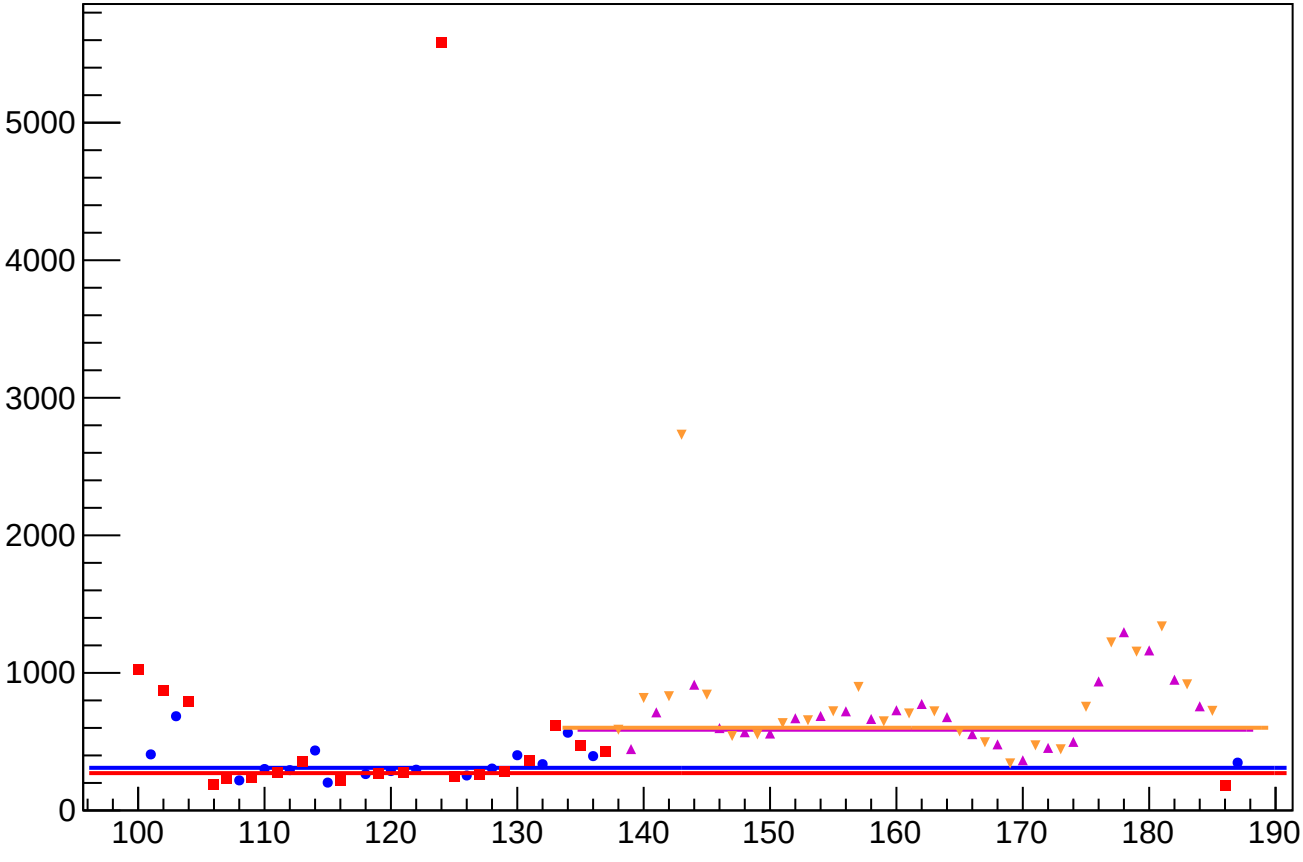
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.078+/-0.093 χ^2/NDF: 42.7/41

All: -0.015+/-0.064 χ^2/NDF: 106.5/84

- sign 0.040+/-0.087 χ^2/NDF: 62.9/42

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 309.932+/-0.085 χ^2/NDF: 1018959.4/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

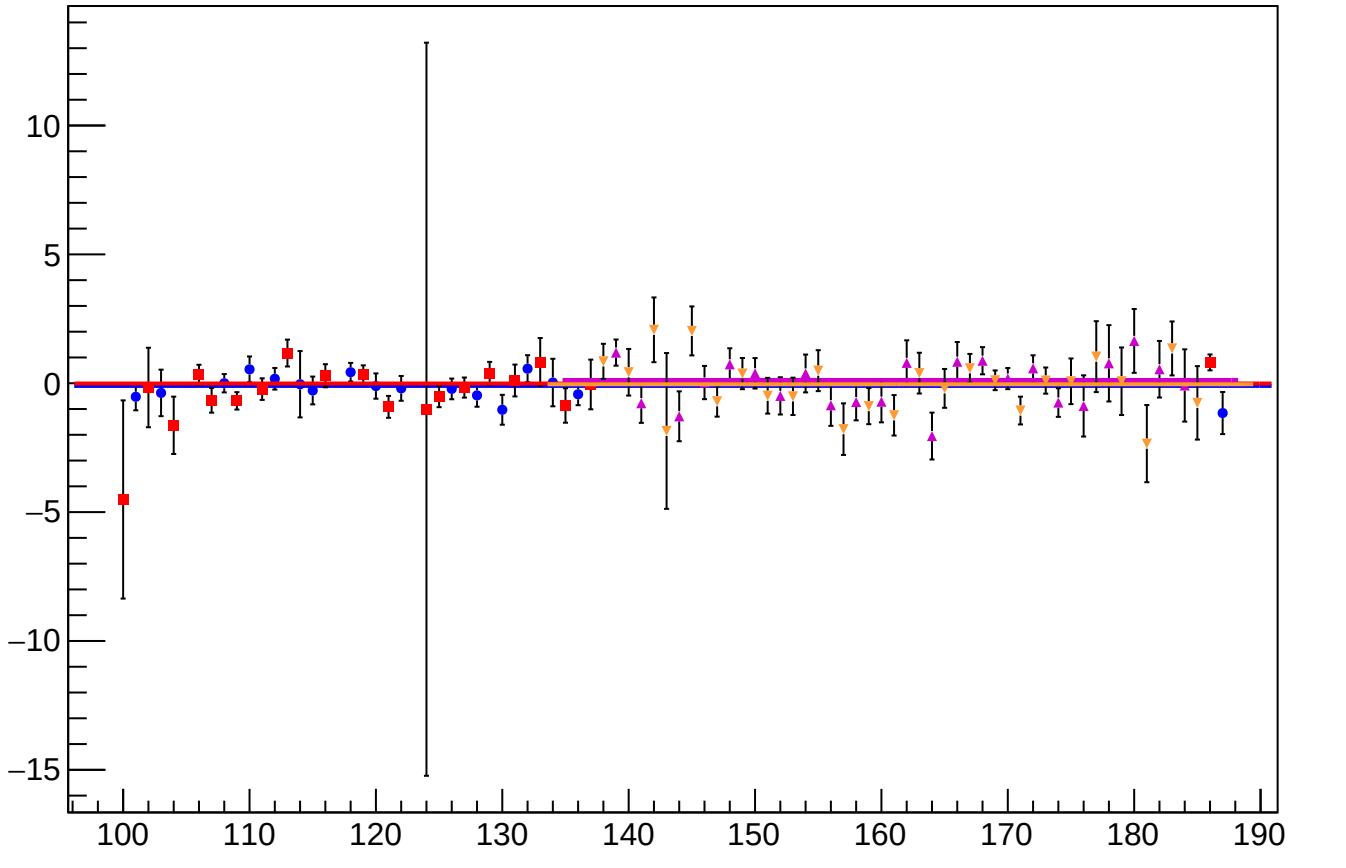
Right Out: 271.416+/-0.077 χ^2/NDF: 2046808.0/19

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 426.545+/-0.066 χ^2/NDF: 10155454.0/41

All: 404.683+/-0.045 χ^2/NDF: 21364847.1/84

- sign 385.540+/-0.062 χ^2/NDF: 11003597.1/42



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.010+/-0.109 χ^2/NDF: 33.3/19

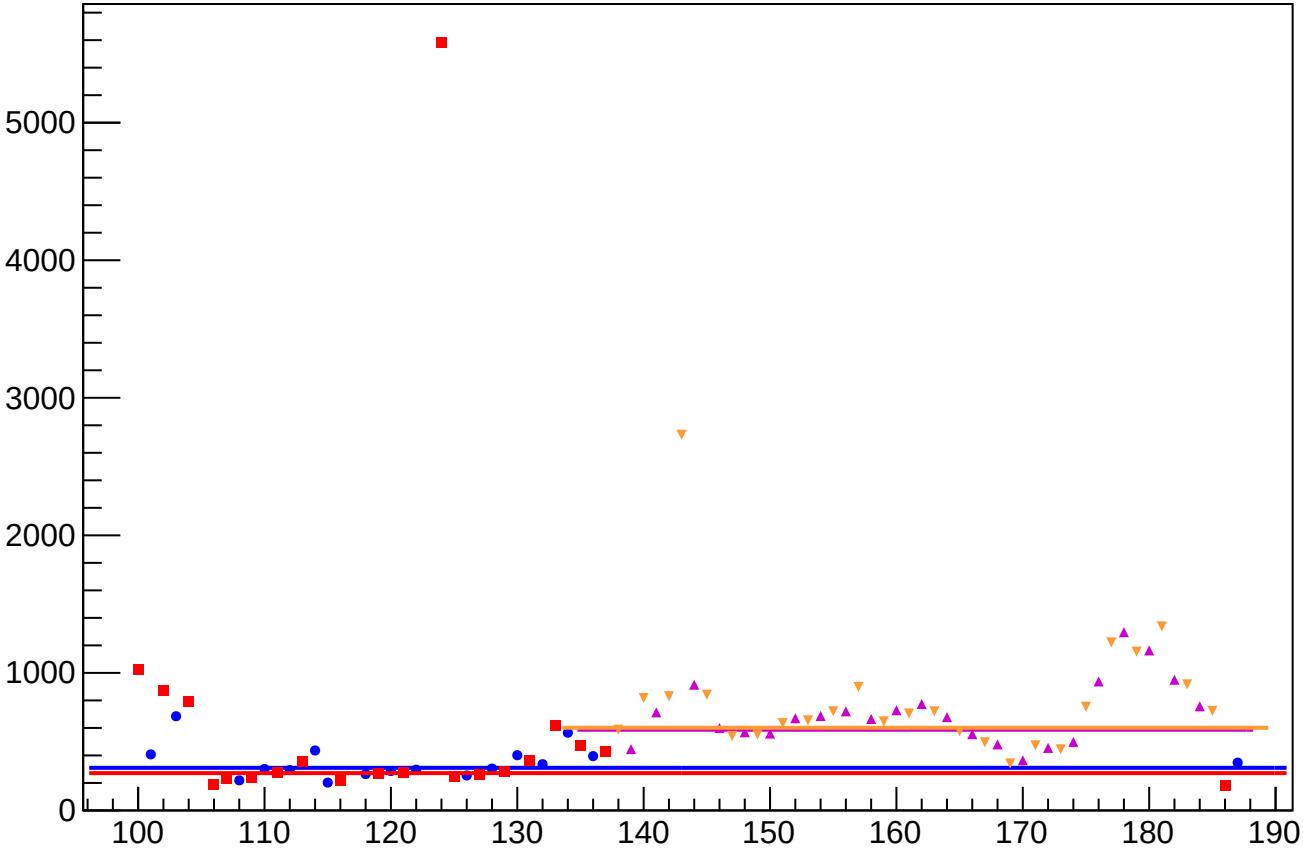
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

\+ sign -0.078+/-0.093 χ^2/NDF: 42.7/41

All: -0.015+/-0.064 χ^2/NDF: 106.5/84

\- sign 0.040+/-0.087 χ^2/NDF: 62.9/42

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.932+/-0.085 χ^2/NDF: 1018959.4/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

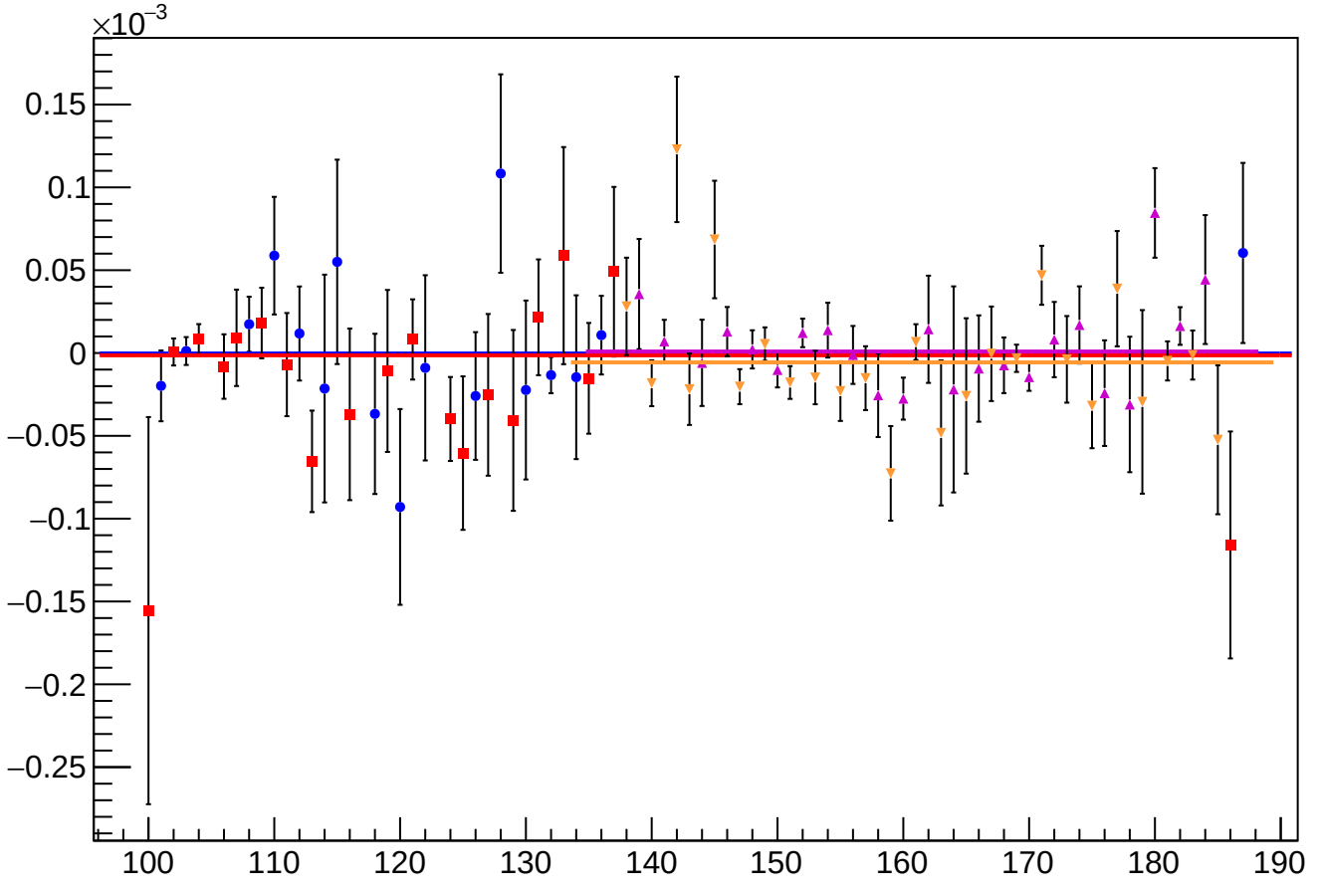
Right Out: 271.416+/-0.077 χ^2/NDF: 2046808.0/19

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 426.545+/-0.066 χ^2/NDF: 10155454.0/41

All: 404.683+/-0.045 χ^2/NDF: 21364847.1/84

- sign 385.540+/-0.062 χ^2/NDF: 11003597.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

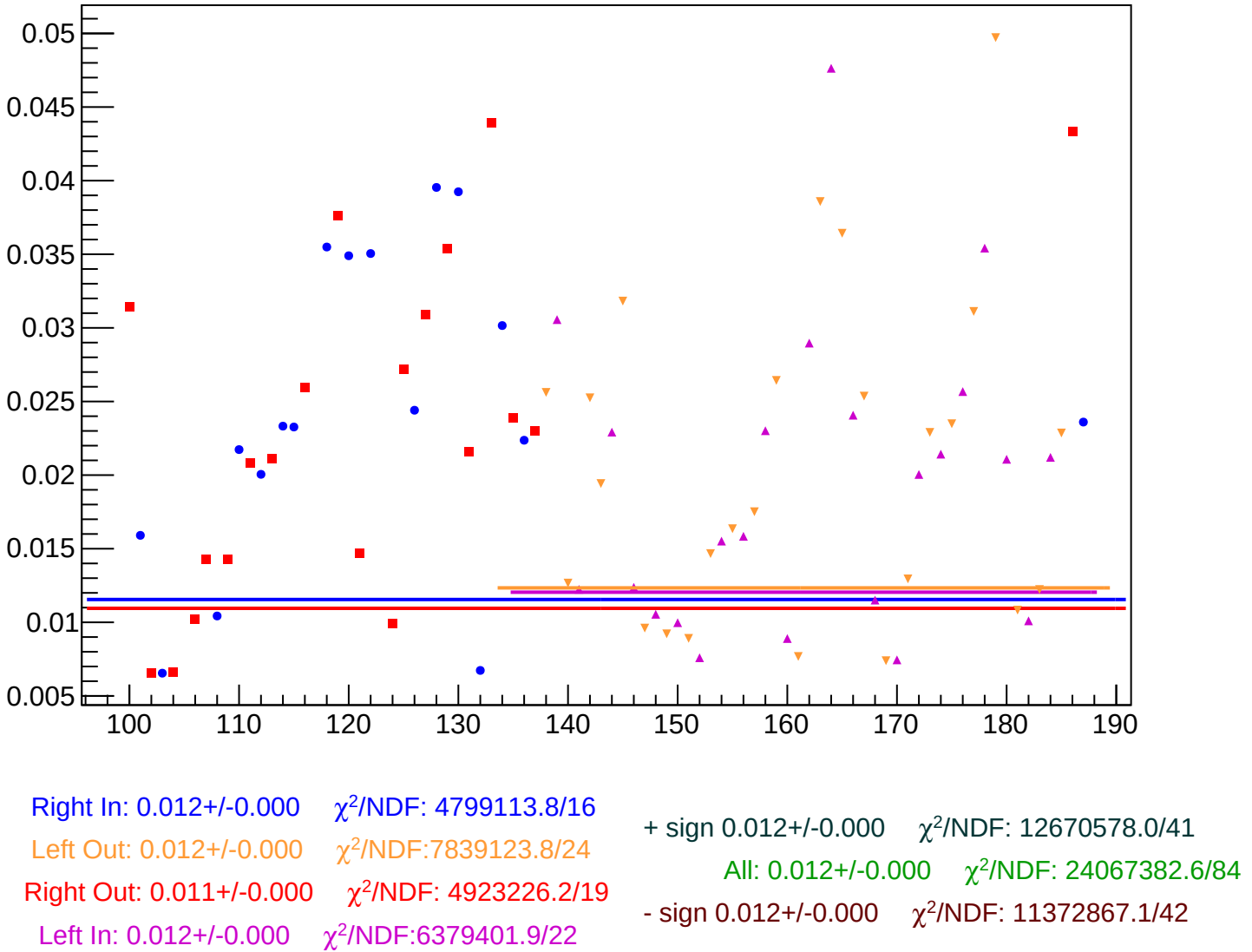
Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

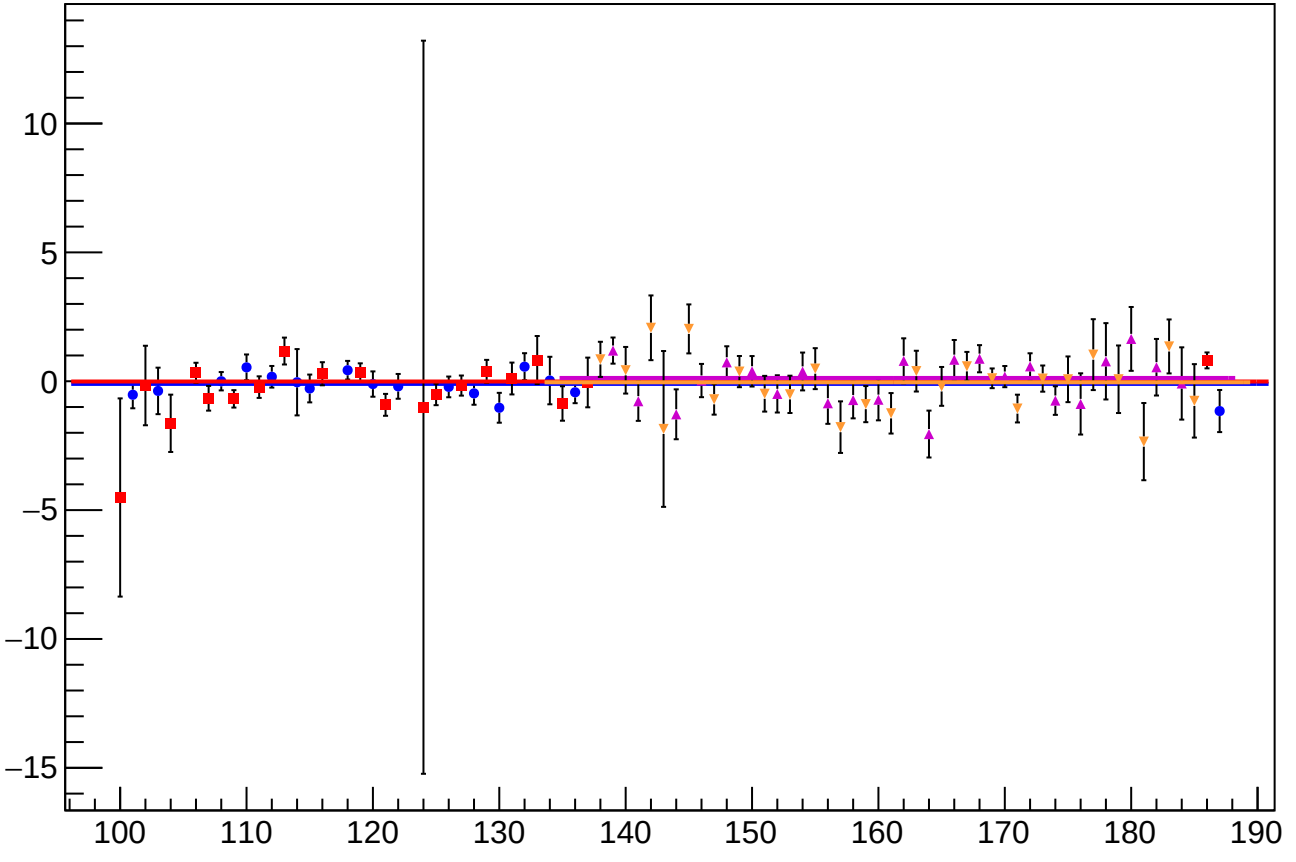
+ sign -0.000+/-0.000 χ^2/NDF: 59.1/41

All: -0.000+/-0.000 χ^2/NDF: 109.7/84

- sign 0.000+/-0.000 χ^2/NDF: 49.3/42


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.012+/-0.000 χ²/NDF: 4799113.8/16
Left Out: 0.012+/-0.000 χ²/NDF:7839123.8/24
Right Out: 0.011+/-0.000 χ²/NDF: 4923226.2/19
Left In: 0.012+/-0.000 χ²/NDF:6379401.9/22
+ sign 0.012+/-0.000 χ²/NDF: 12670578.0/41
All: 0.012+/-0.000 χ²/NDF: 24067382.6/84
- sign 0.012+/-0.000 χ²/NDF: 11372867.1/42

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.010+/-0.109 χ^2/NDF: 33.3/19

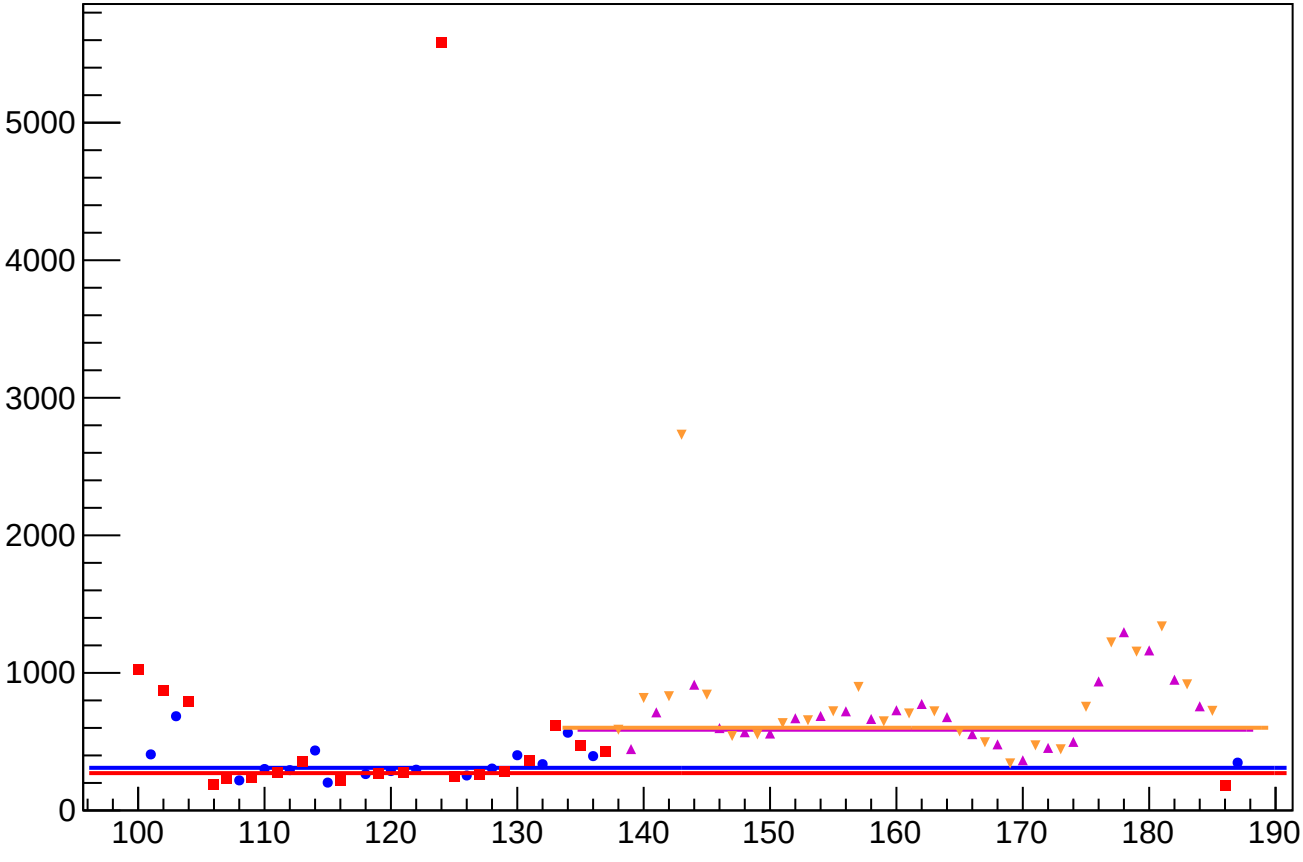
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

\+ sign -0.078+/-0.093 χ^2/NDF: 42.7/41

All: -0.015+/-0.064 χ^2/NDF: 106.5/84

\- sign 0.040+/-0.087 χ^2/NDF: 62.9/42

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 309.931+/-0.085 χ^2/NDF: 1018927.9/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

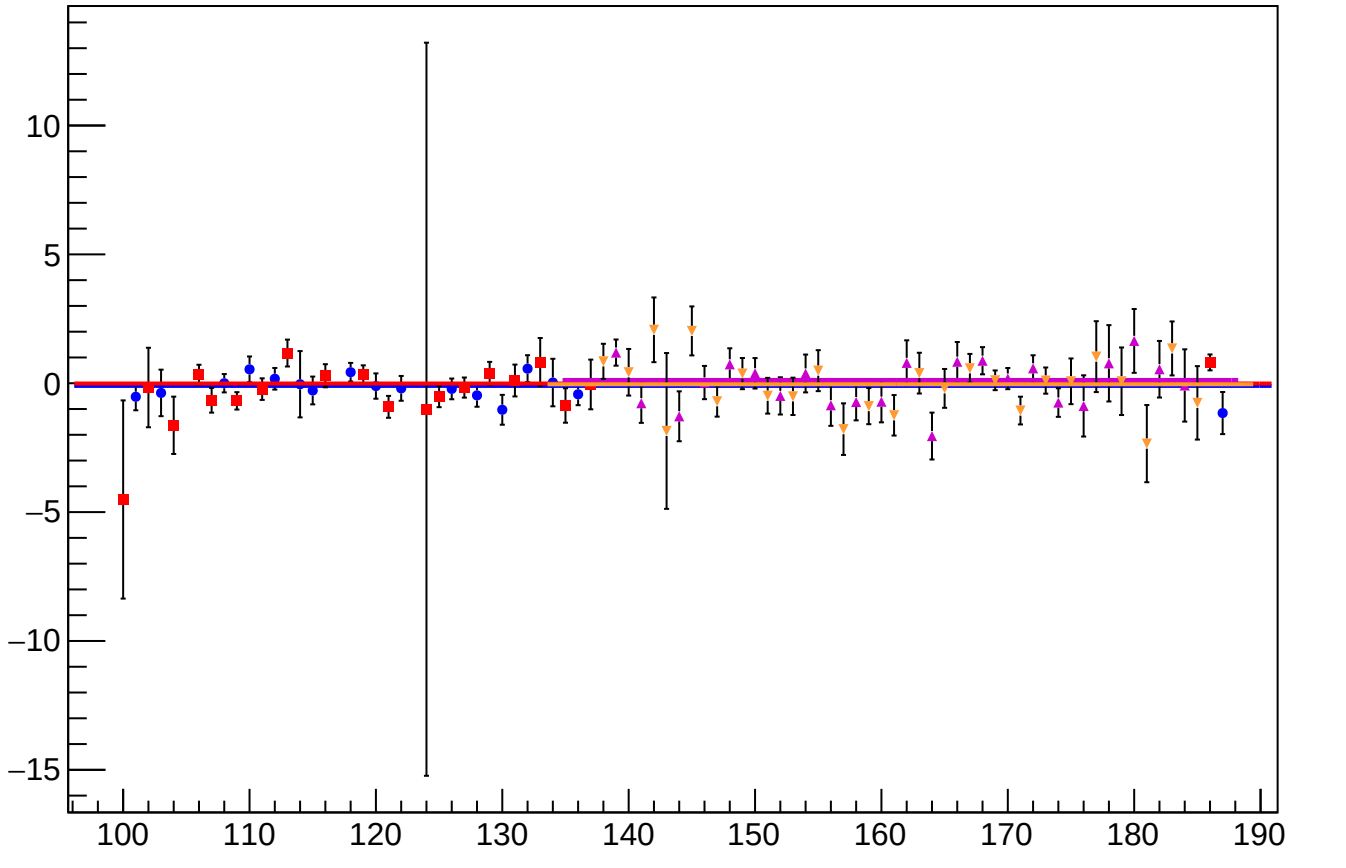
Right Out: 271.412+/-0.077 χ^2/NDF: 2046868.3/19

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 426.544+/-0.066 χ^2/NDF: 10155652.8/41

All: 404.680+/-0.045 χ^2/NDF: 21365527.7/84

- sign 385.536+/-0.062 χ^2/NDF: 11004046.7/42



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.010+/-0.109 χ^2/NDF: 33.3/19

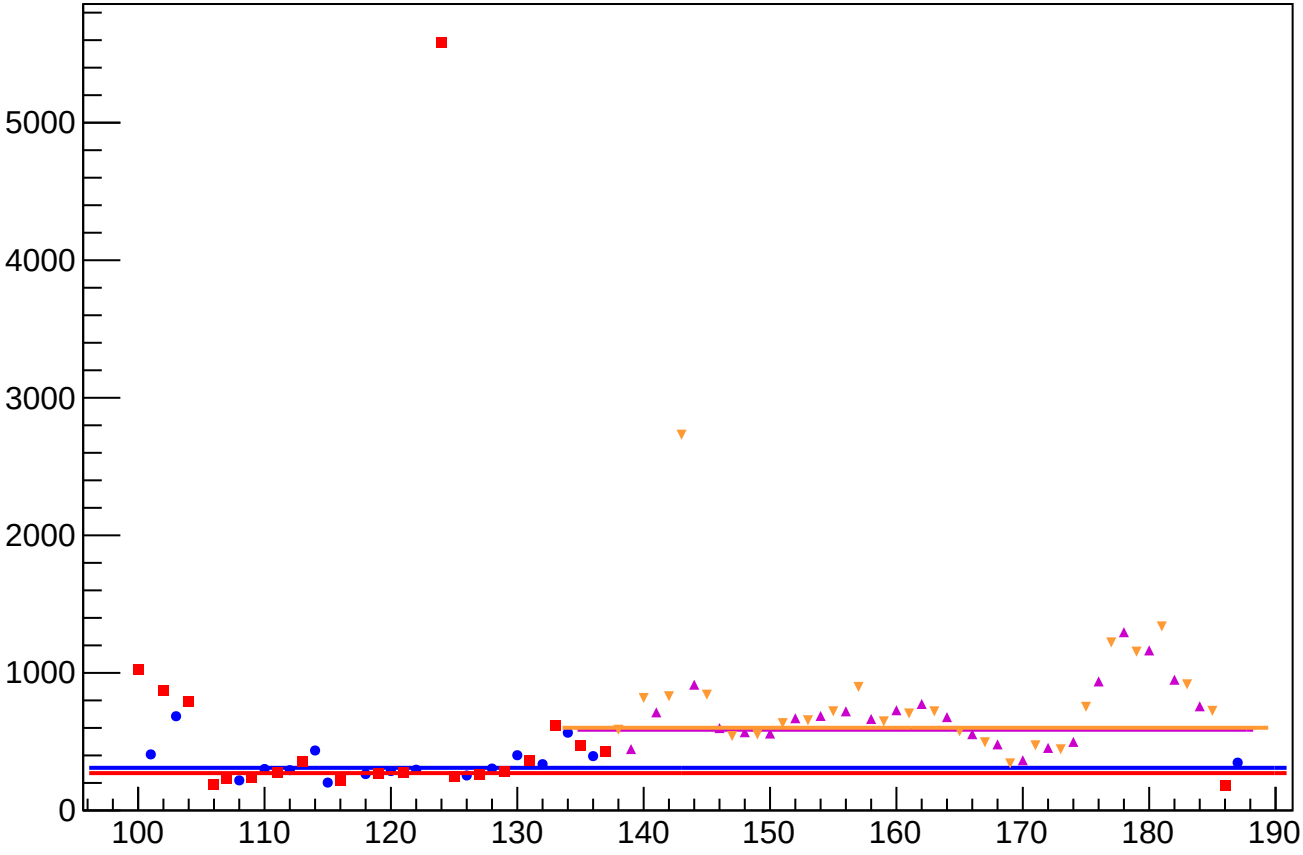
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.078+/-0.093 χ^2/NDF: 42.7/41

All: -0.015+/-0.064 χ^2/NDF: 106.5/84

- sign 0.040+/-0.087 χ^2/NDF: 62.9/42

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 309.931+/-0.085 χ^2/NDF: 1018927.9/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

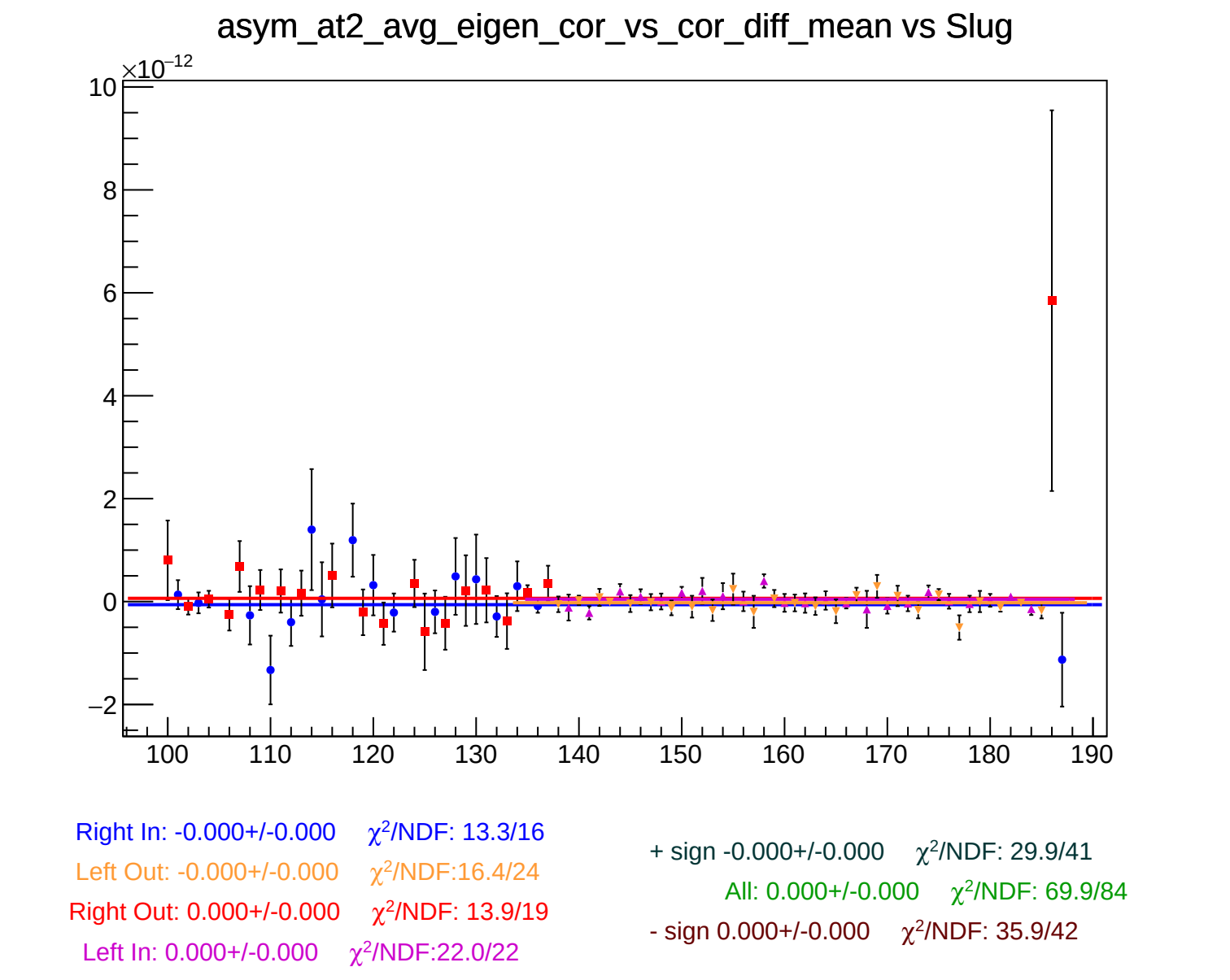
Right Out: 271.412+/-0.077 χ^2/NDF: 2046868.3/19

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

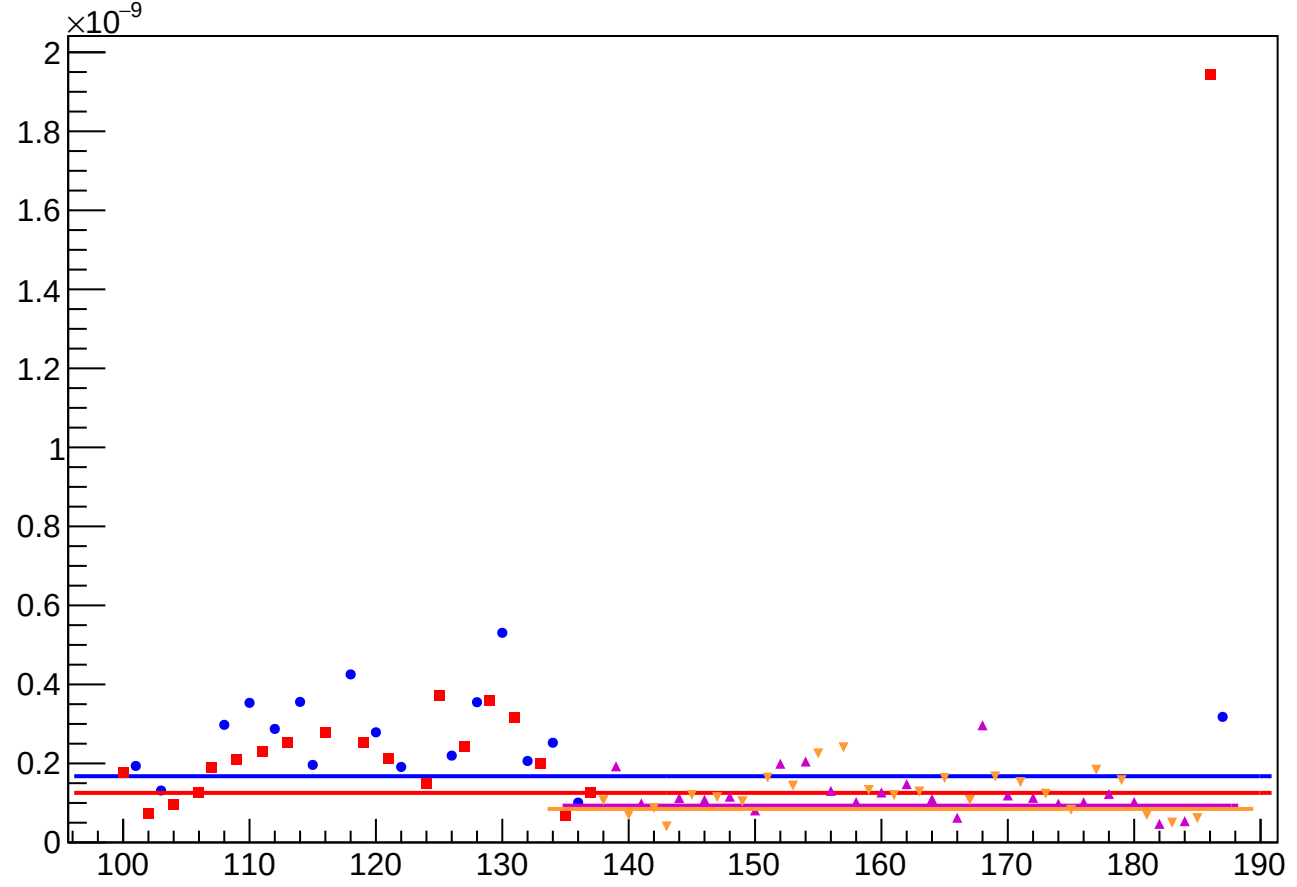
+ sign 426.544+/-0.066 χ^2/NDF: 10155652.8/41

All: 404.680+/-0.045 χ^2/NDF: 21365527.7/84

- sign 385.536+/-0.062 χ^2/NDF: 11004046.7/42


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
10
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.3/16
Left Out: -0.000+/-0.000 χ²/NDF:16.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 13.9/19
Left In: 0.000+/-0.000 χ²/NDF:22.0/22
+ sign -0.000+/-0.000 χ²/NDF: 29.9/41
All: 0.000+/-0.000 χ²/NDF: 69.9/84
- sign 0.000+/-0.000 χ²/NDF: 35.9/42

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2038945.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2692825.6/19

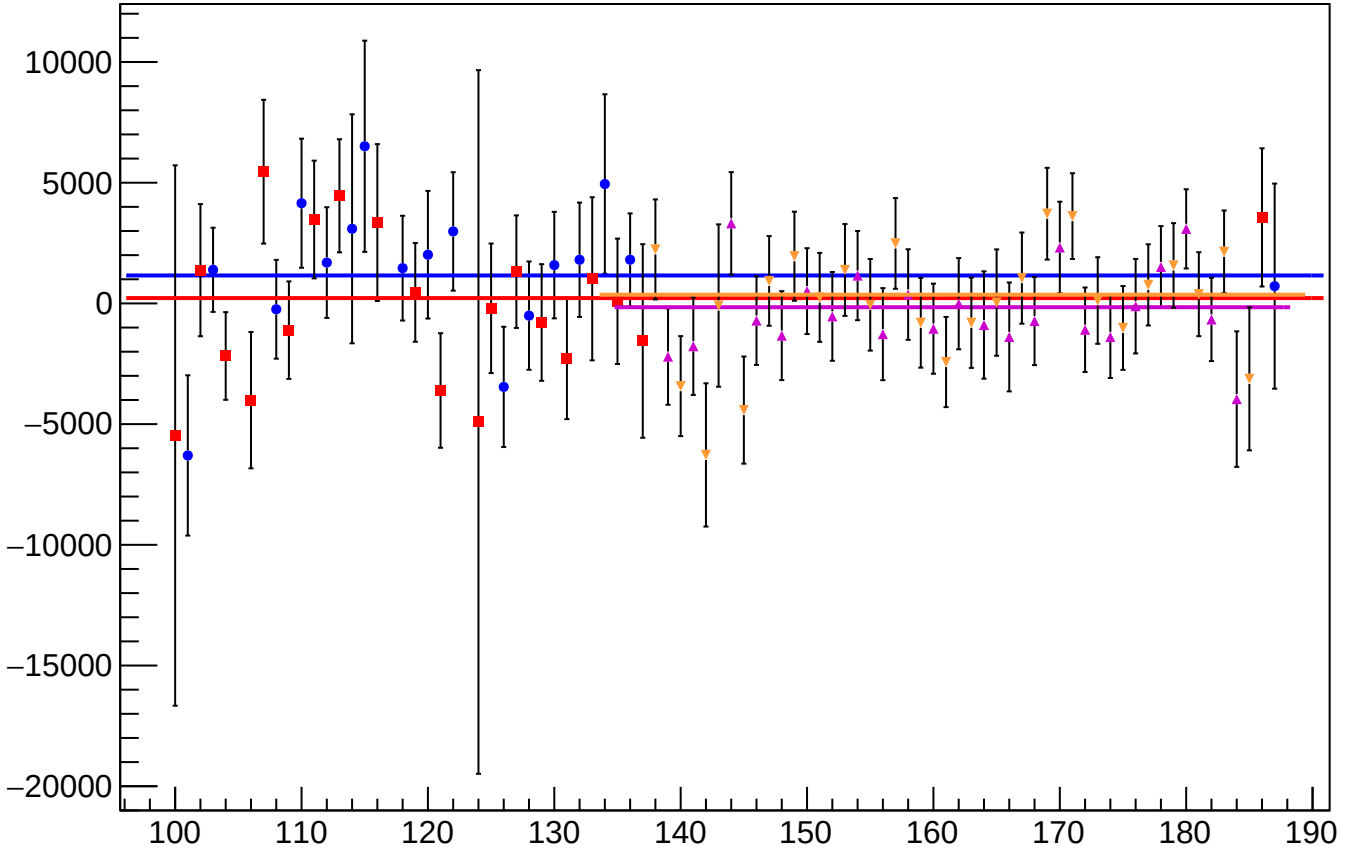
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9185661.9/41

All: 0.000+/-0.000 χ^2/NDF: 16160945.6/84

- sign 0.000+/-0.000 χ^2/NDF: 6928168.5/42

reg_asym_at2_dd_mean vs Slug



Right In: 1157.776+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 220.719+/-590.389 χ^2/NDF: 19.7/19

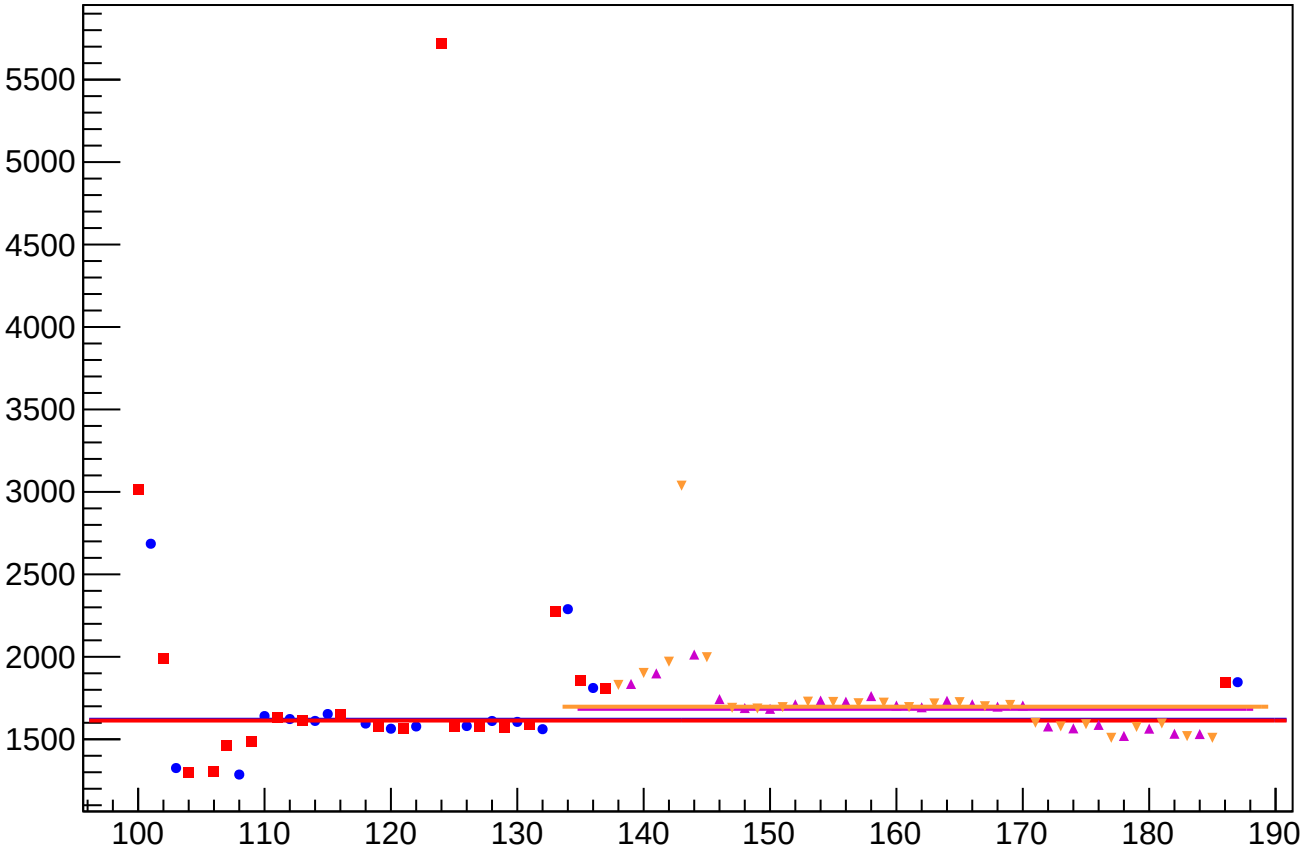
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 594.862+/-326.368 χ^2/NDF: 45.2/41

All: 278.628+/-231.307 χ^2/NDF: 83.2/84

- sign -40.526+/-327.872 χ^2/NDF: 36.0/42

reg_asym_at2_dd_rms vs Slug



Right In: 1618.359+/-0.426 χ^2/NDF: 410559.7/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1613.587+/-0.417 χ^2/NDF: 439026.9/19

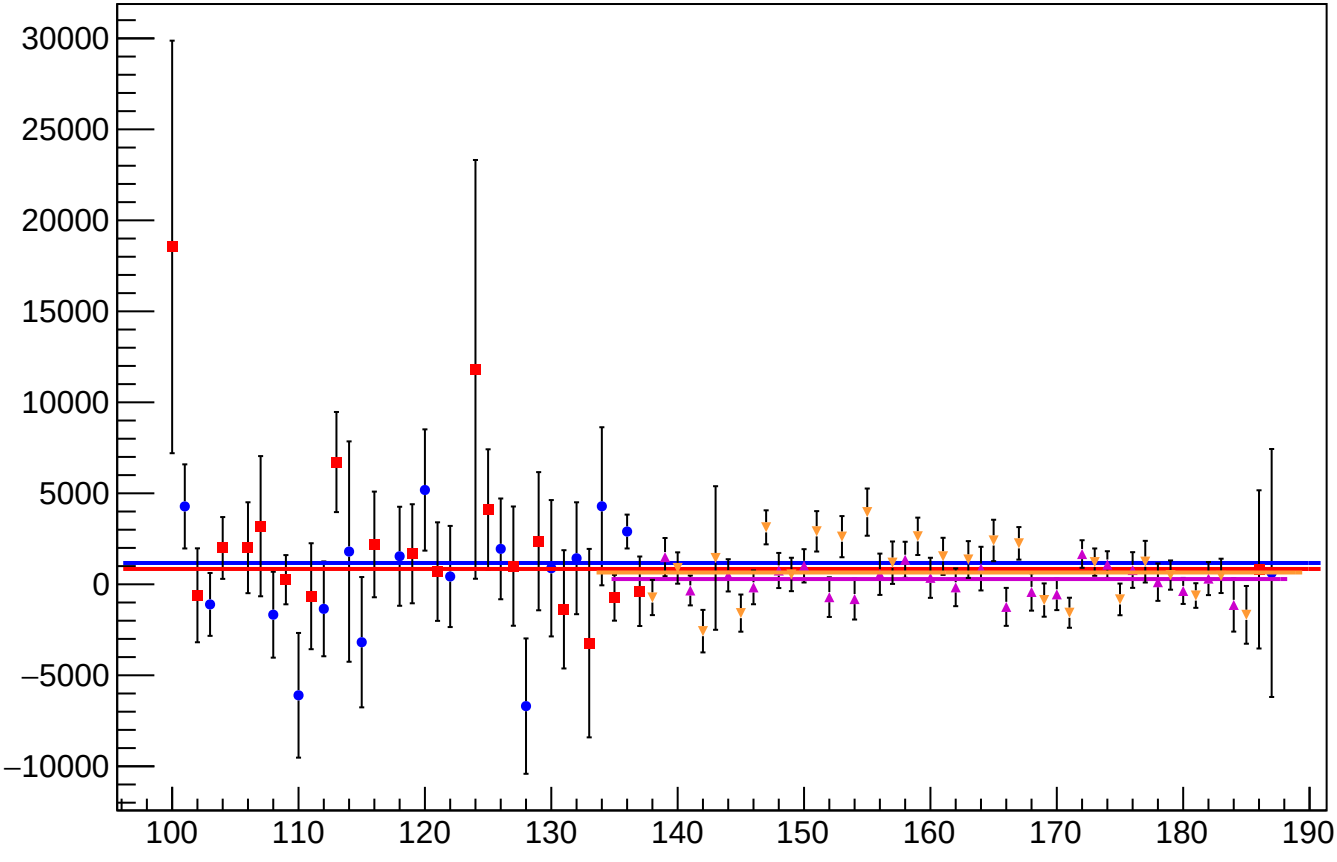
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1674.313+/-0.231 χ^2/NDF: 930313.5/41

All: 1668.525+/-0.164 χ^2/NDF: 1555958.7/84

- sign 1662.683+/-0.232 χ^2/NDF: 624381.1/42

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1171.509+/-576.982 χ^2/NDF: 22.0/16

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 843.463+/-552.911 χ^2/NDF: 14.3/19

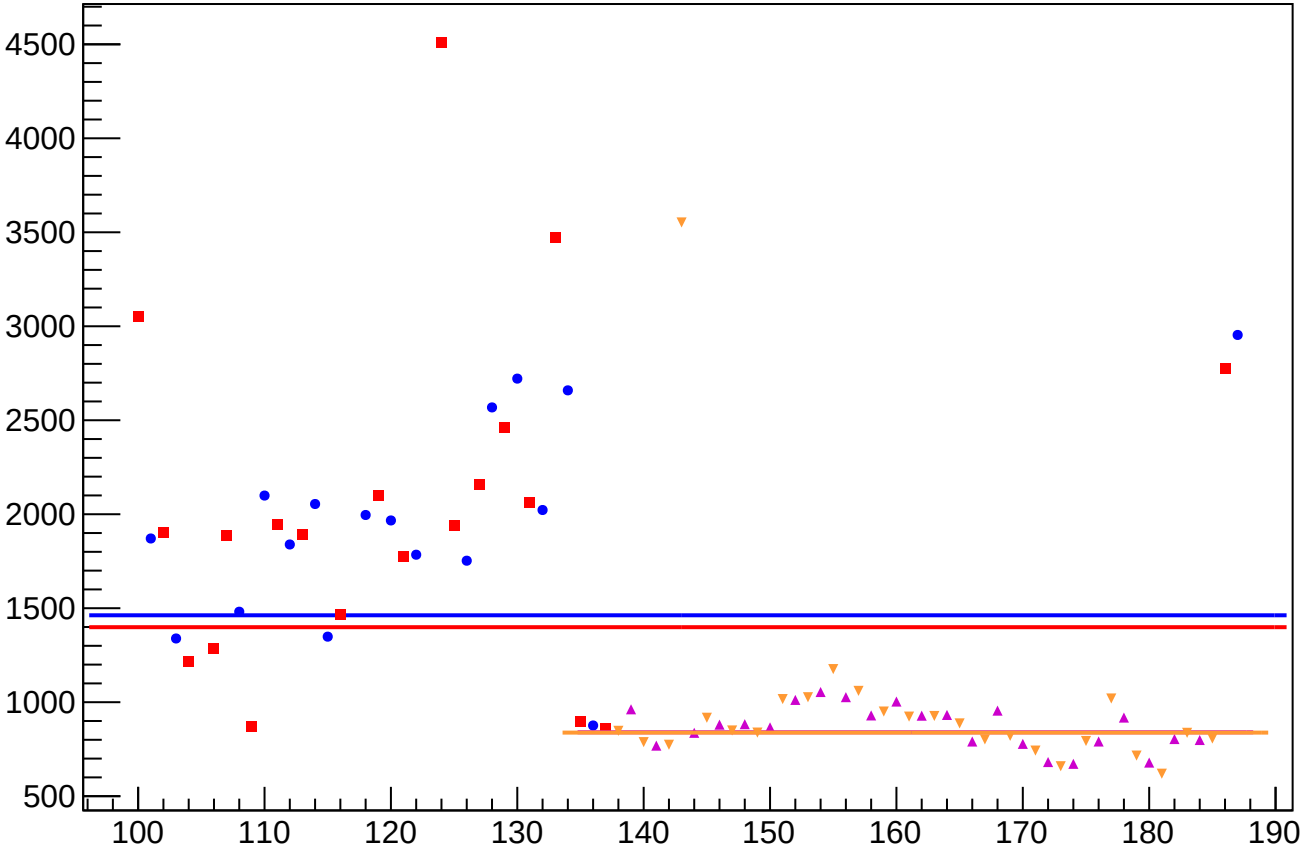
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

\+ sign 703.042+/-185.305 χ^2/NDF: 88.3/41

All: 528.931+/-131.563 χ^2/NDF: 121.7/84

\- sign 351.960+/-186.820 χ^2/NDF: 31.7/42

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1462.404+/-0.408 χ^2/NDF: 1887357.5/16

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1399.084+/-0.391 χ^2/NDF: 2335510.5/19

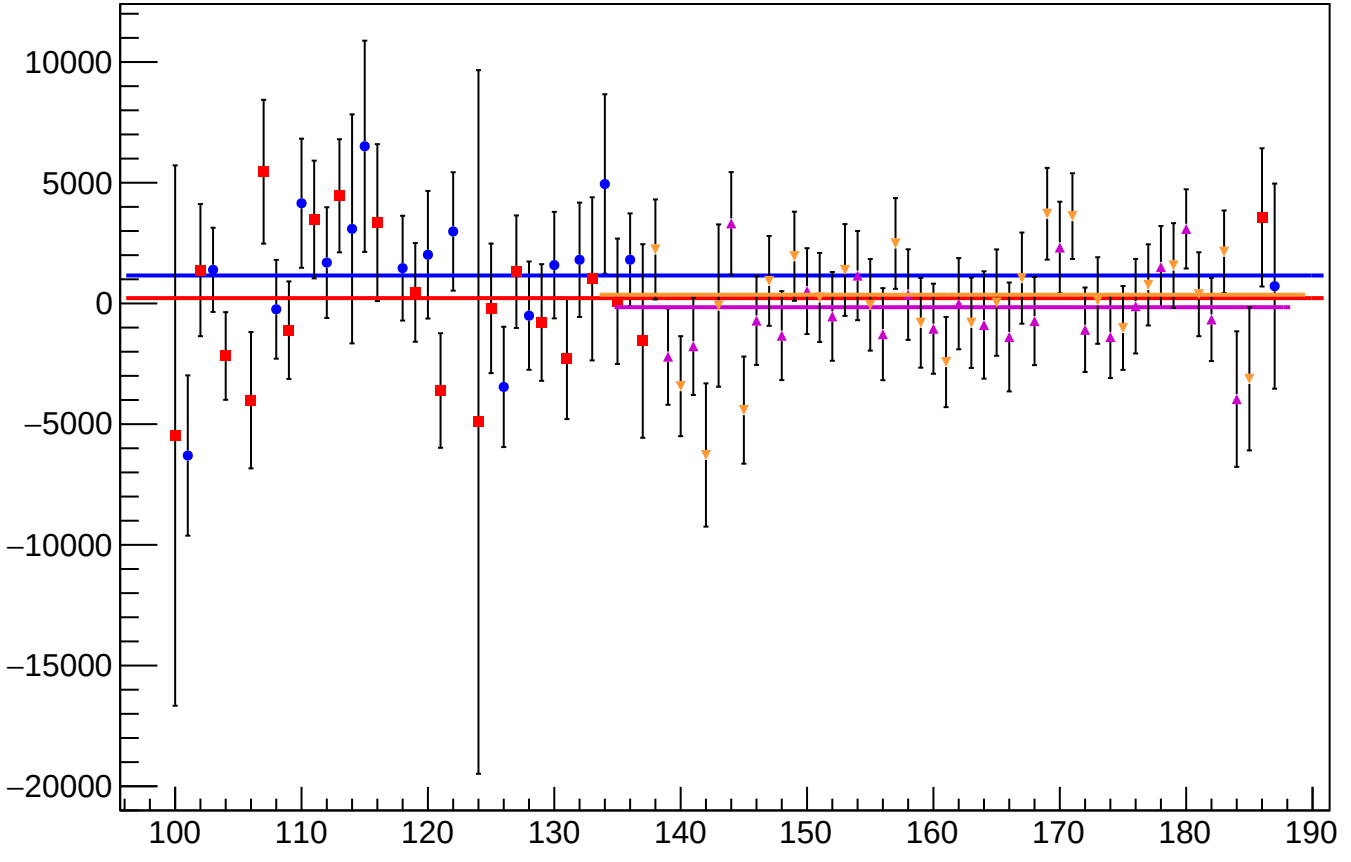
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 902.622+/-0.131 χ^2/NDF: 5786641.3/41

All: 903.210+/-0.093 χ^2/NDF: 10603138.9/84

- sign 903.807+/-0.132 χ^2/NDF: 4816457.0/42

cor_asym_at2_dd_mean vs Slug



Right In: 1157.701+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 221.016+/-590.389 χ^2/NDF: 19.7/19

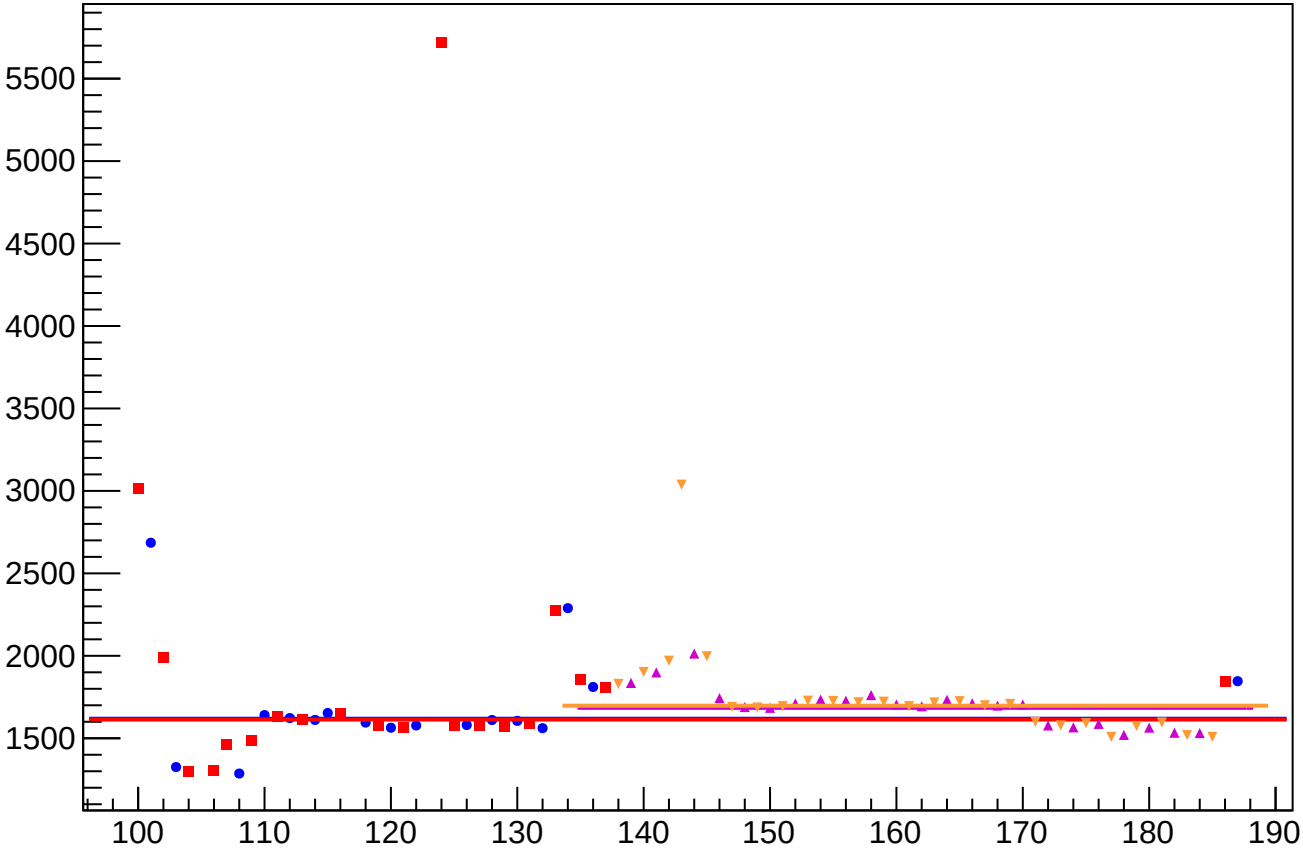
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.780+/-326.368 χ^2/NDF: 45.3/41

All: 278.665+/-231.307 χ^2/NDF: 83.2/84

- sign -40.370+/-327.872 χ^2/NDF: 36.0/42

cor_asym_at2_dd_rms vs Slug



Right In: 1618.359+/-0.426 χ^2/NDF: 410560.0/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1613.587+/-0.417 χ^2/NDF: 439026.9/19

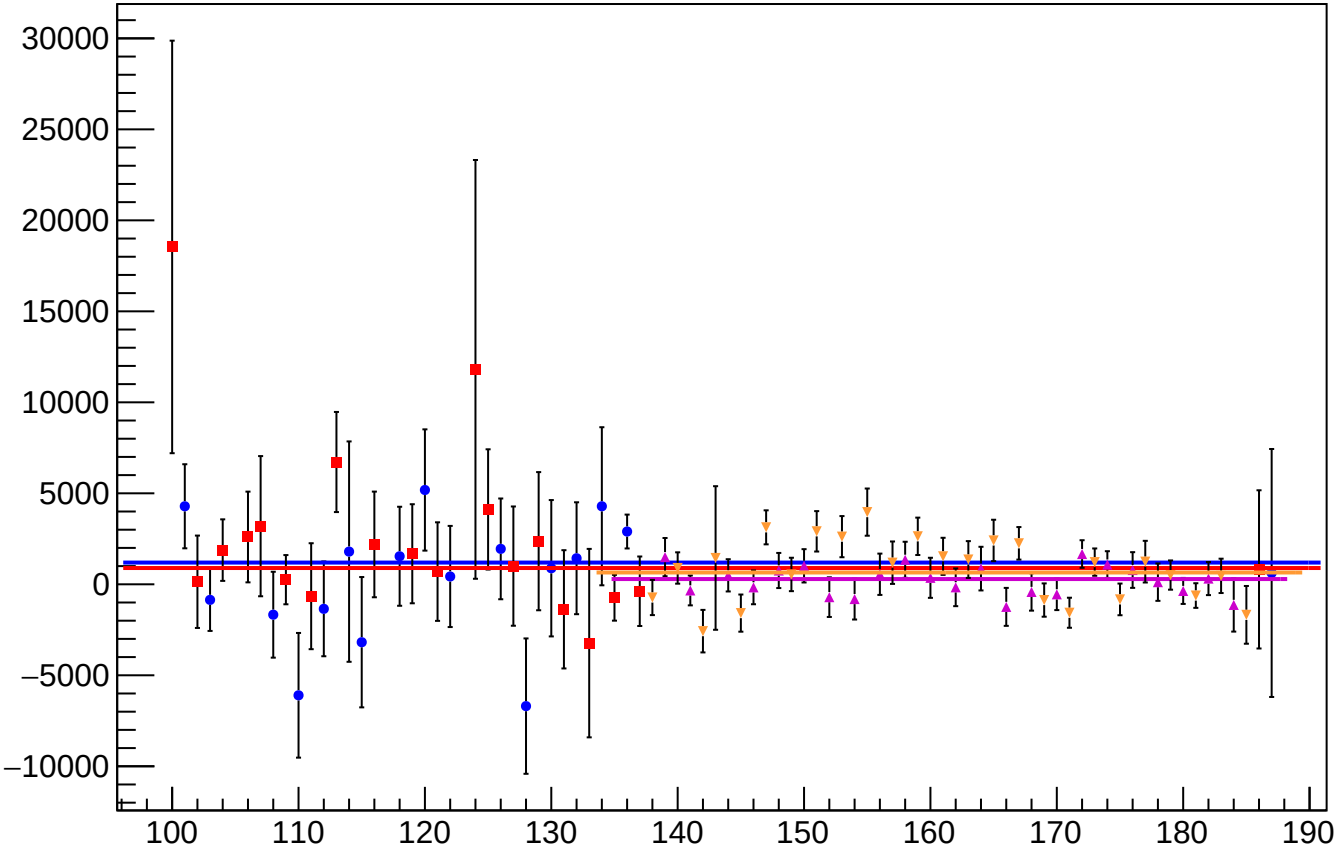
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1674.313+/-0.231 χ^2/NDF: 930313.8/41

All: 1668.525+/-0.164 χ^2/NDF: 1555959.1/84

- sign 1662.683+/-0.232 χ^2/NDF: 624381.2/42

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1194.216+/-576.169 χ^2/NDF: 21.7/16

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 894.239+/-552.157 χ^2/NDF: 14.2/19

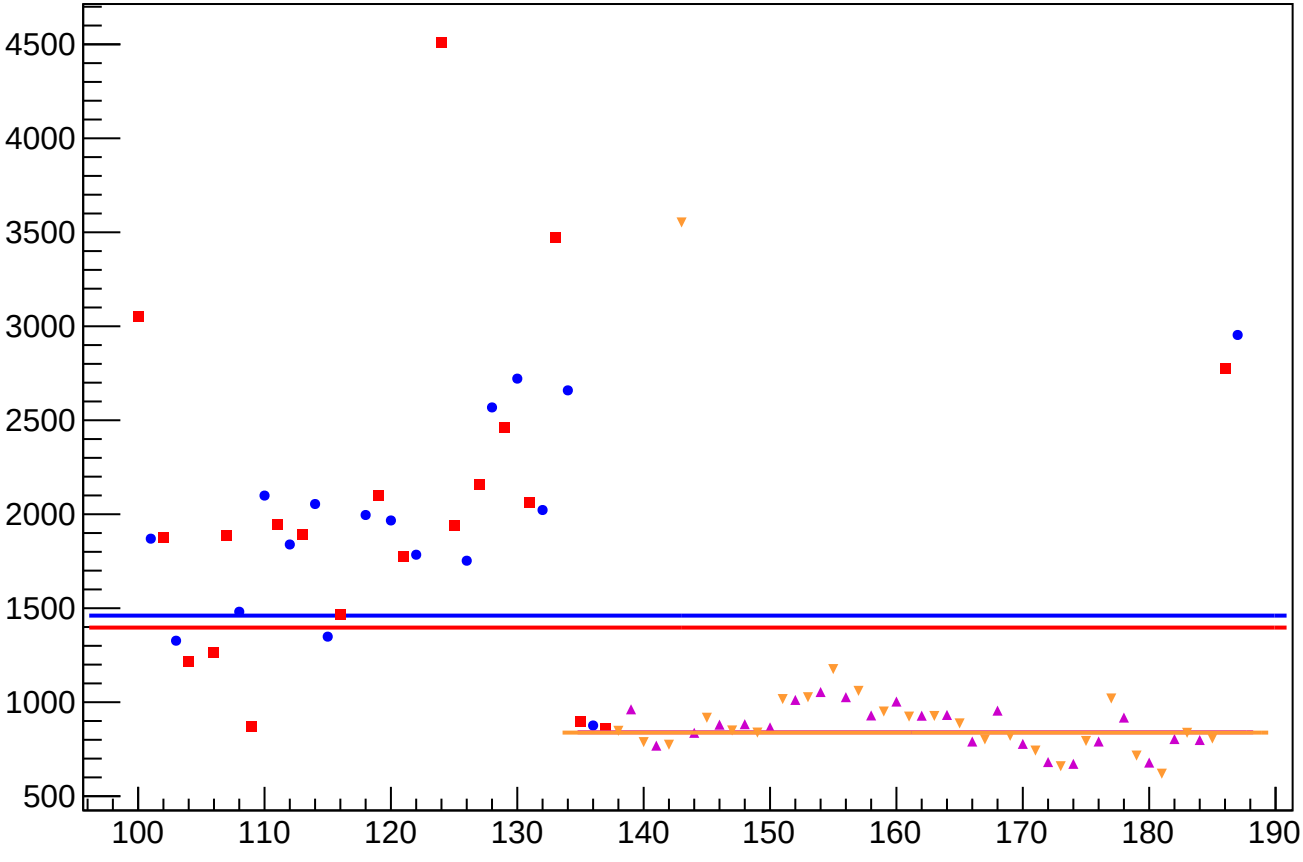
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 705.528+/-185.280 χ^2/NDF: 88.0/41

All: 533.132+/-131.544 χ^2/NDF: 121.6/84

- sign 357.912+/-186.791 χ^2/NDF: 31.8/42

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1460.693+/-0.407 χ^2/NDF: 1889409.2/16

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1397.023+/-0.390 χ^2/NDF: 2331758.4/19

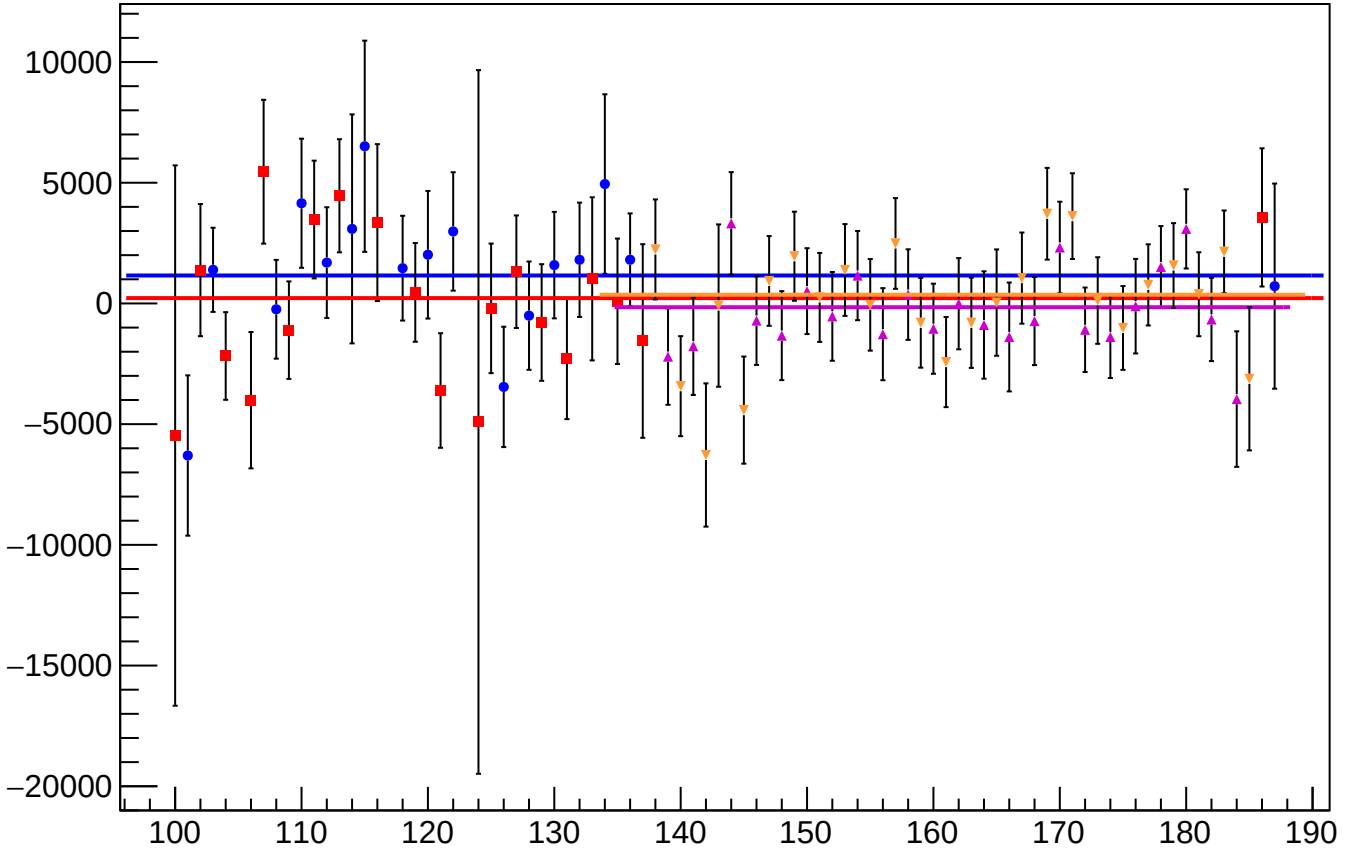
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 902.619+/-0.131 χ^2/NDF: 5782298.6/41

All: 903.169+/-0.093 χ^2/NDF: 10586036.5/84

- sign 903.728+/-0.132 χ^2/NDF: 4803702.4/42

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 1157.701+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 221.016+/-590.389 χ^2/NDF: 19.7/19

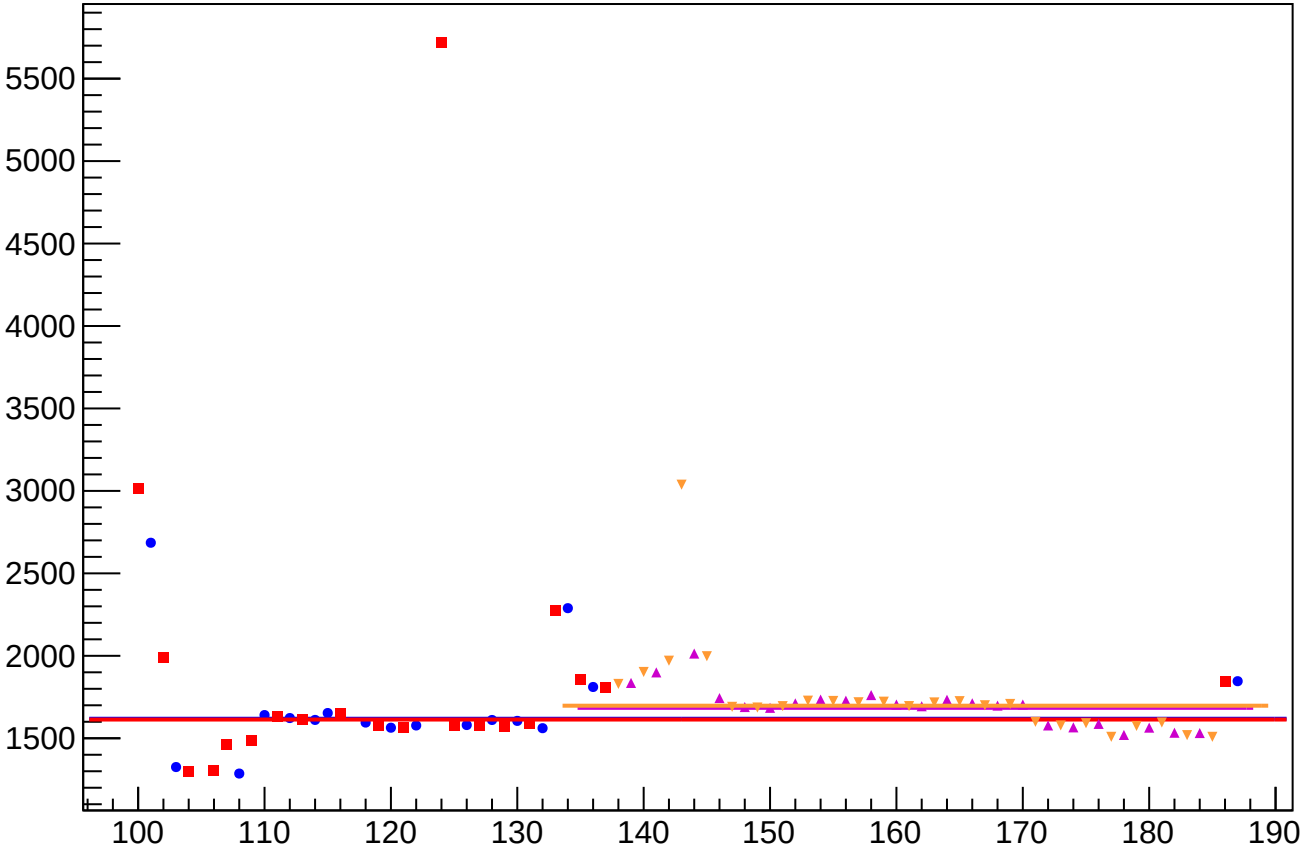
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 594.780+/-326.368 χ^2/NDF: 45.3/41

All: 278.665+/-231.307 χ^2/NDF: 83.2/84

- sign -40.370+/-327.872 χ^2/NDF: 36.0/42

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1618.359+/-0.426 χ^2/NDF: 410560.0/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

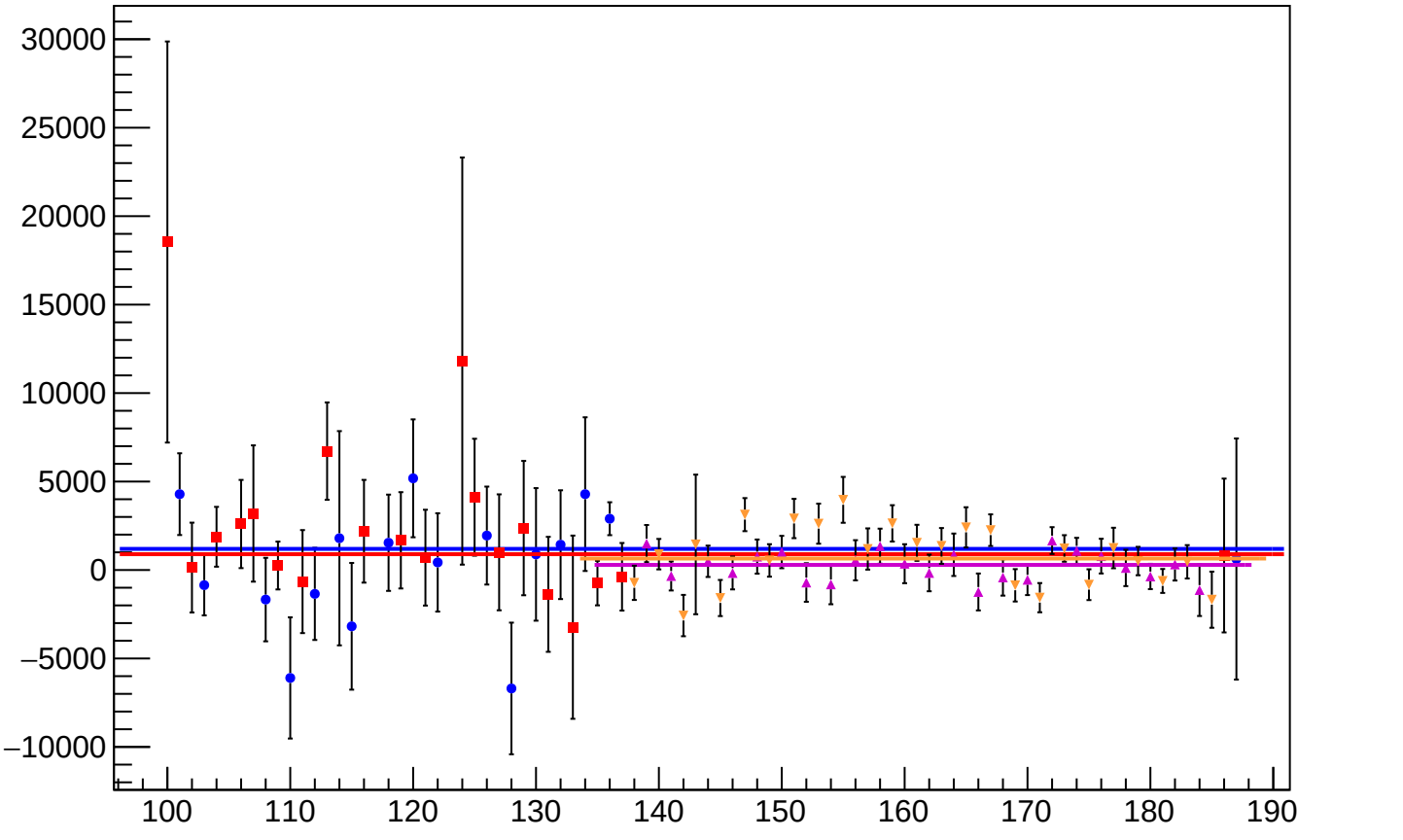
Right Out: 1613.587+/-0.417 χ^2/NDF: 439026.9/19

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1674.313+/-0.231 χ^2/NDF: 930313.8/41

All: 1668.525+/-0.164 χ^2/NDF: 1555959.1/84

- sign 1662.683+/-0.232 χ^2/NDF: 624381.2/42



Right In: 1194.216+/-576.169 χ^2/NDF: 21.7/16

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 894.239+/-552.157 χ^2/NDF: 14.2/19

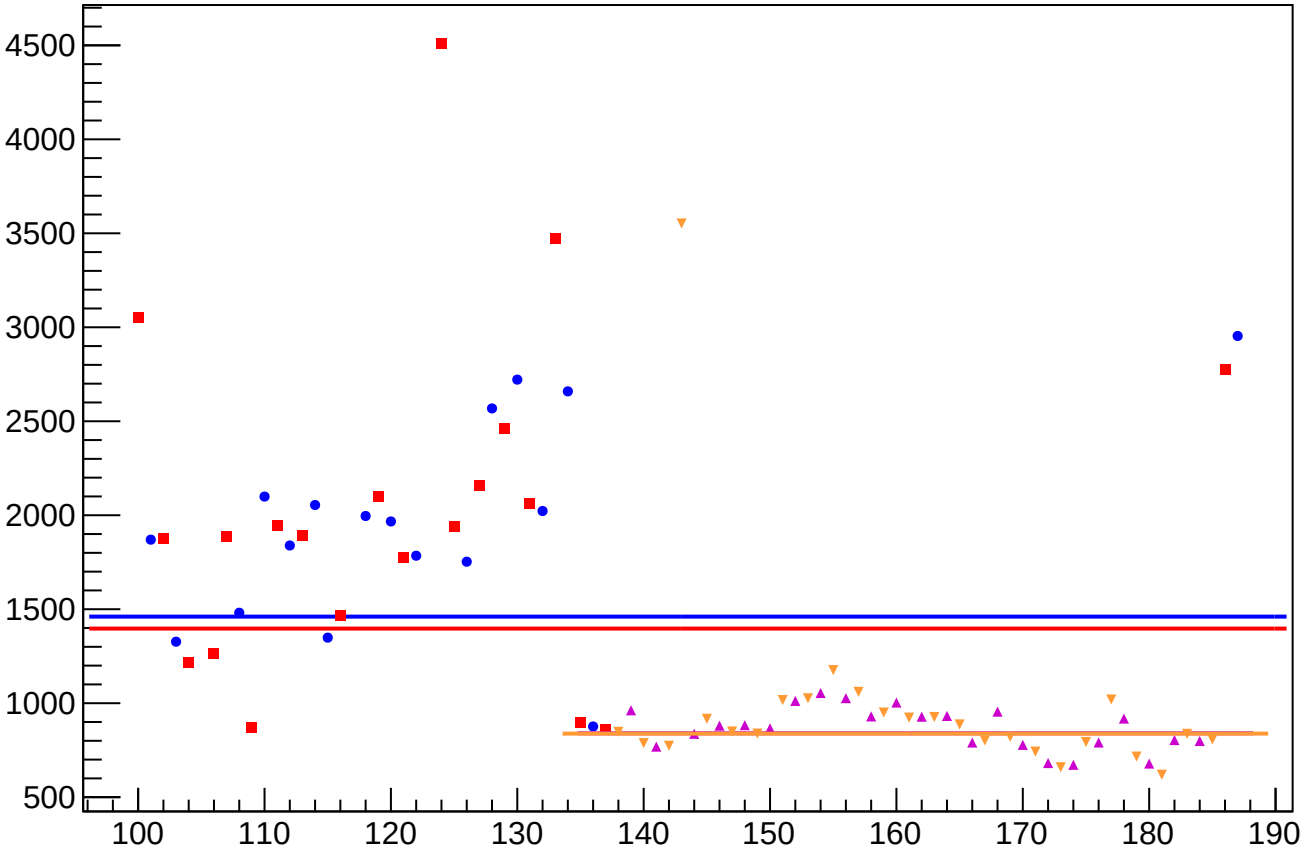
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 705.528+/-185.280 χ^2/NDF: 88.0/41

All: 533.132+/-131.544 χ^2/NDF: 121.6/84

- sign 357.912+/-186.791 χ^2/NDF: 31.8/42

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1460.693+/-0.407 χ^2/NDF: 1889409.2/16

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1397.023+/-0.390 χ^2/NDF: 2331758.4/19

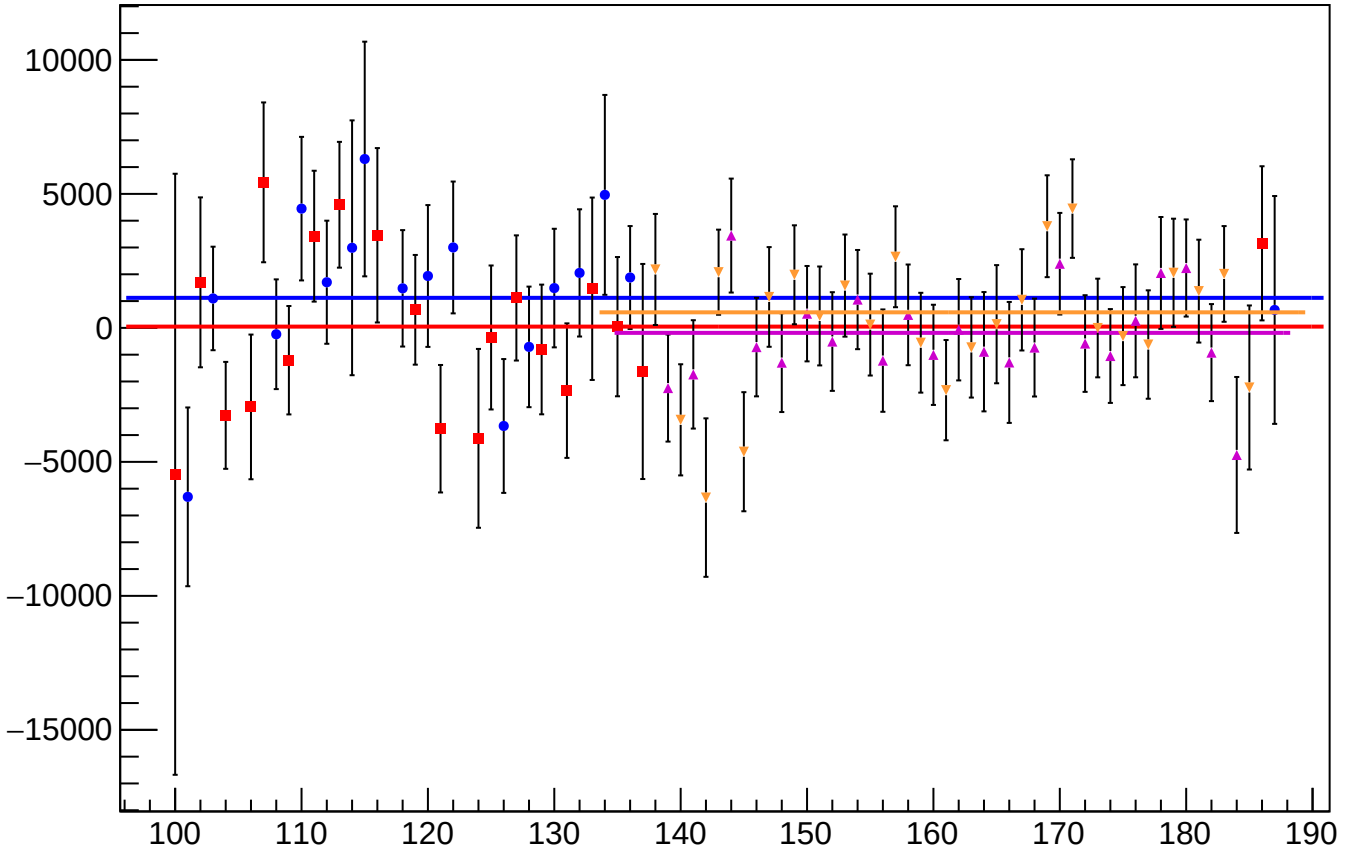
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 902.619+/-0.131 χ^2/NDF: 5782298.6/41

All: 903.169+/-0.093 χ^2/NDF: 10586036.5/84

- sign 903.728+/-0.132 χ^2/NDF: 4803702.4/42

dit_asym_at2_dd_mean vs Slug



Right In: 1121.200+/-610.832 χ^2/NDF: 15.0/16

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 47.480+/-590.233 χ^2/NDF: 21.9/19

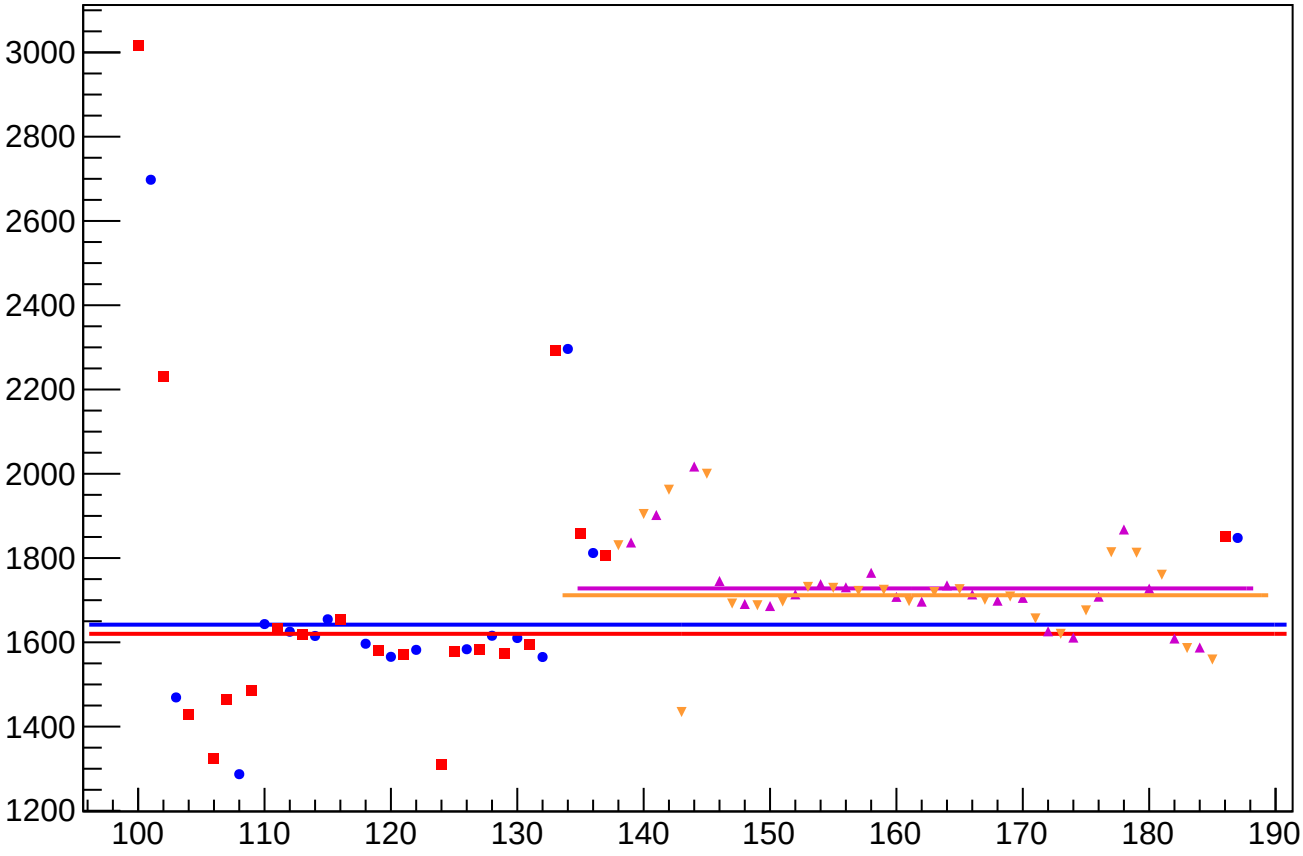
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 736.810+/-328.575 χ^2/NDF: 47.5/41

All: 318.944+/-234.037 χ^2/NDF: 87.2/84

- sign -111.376+/-333.436 χ^2/NDF: 36.4/42

dit_asym_at2_dd_rms vs Slug



Right In: 1641.912+/-0.432 χ^2/NDF: 366202.1/16

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1620.150+/-0.417 χ^2/NDF: 294148.1/19

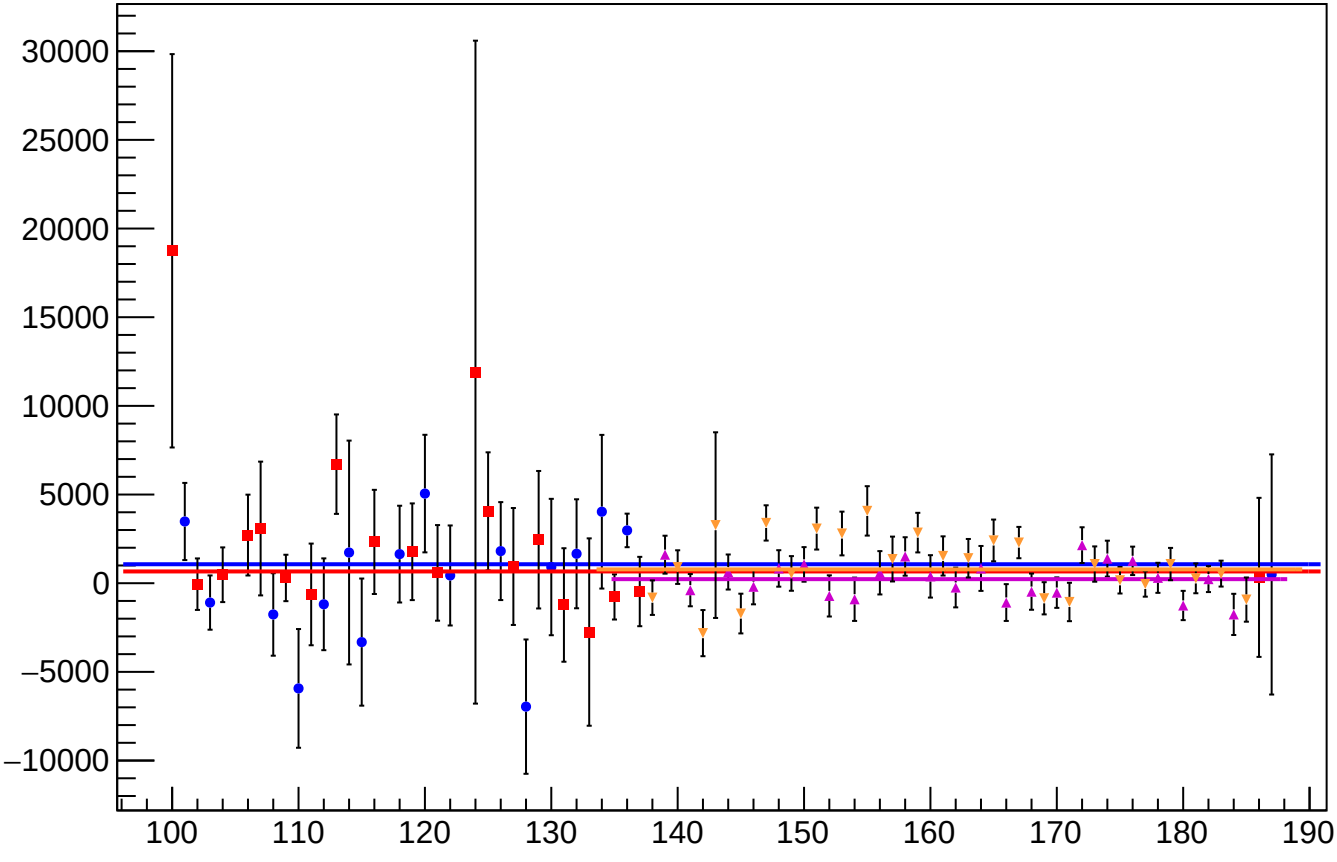
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1691.515+/-0.232 χ^2/NDF: 552767.4/41

All: 1692.503+/-0.165 χ^2/NDF: 992570.6/84

- sign 1693.521+/-0.236 χ^2/NDF: 439766.5/42

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1069.496+/-569.583 χ^2/NDF: 22.0/16

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 663.226+/-519.947 χ^2/NDF: 13.6/19

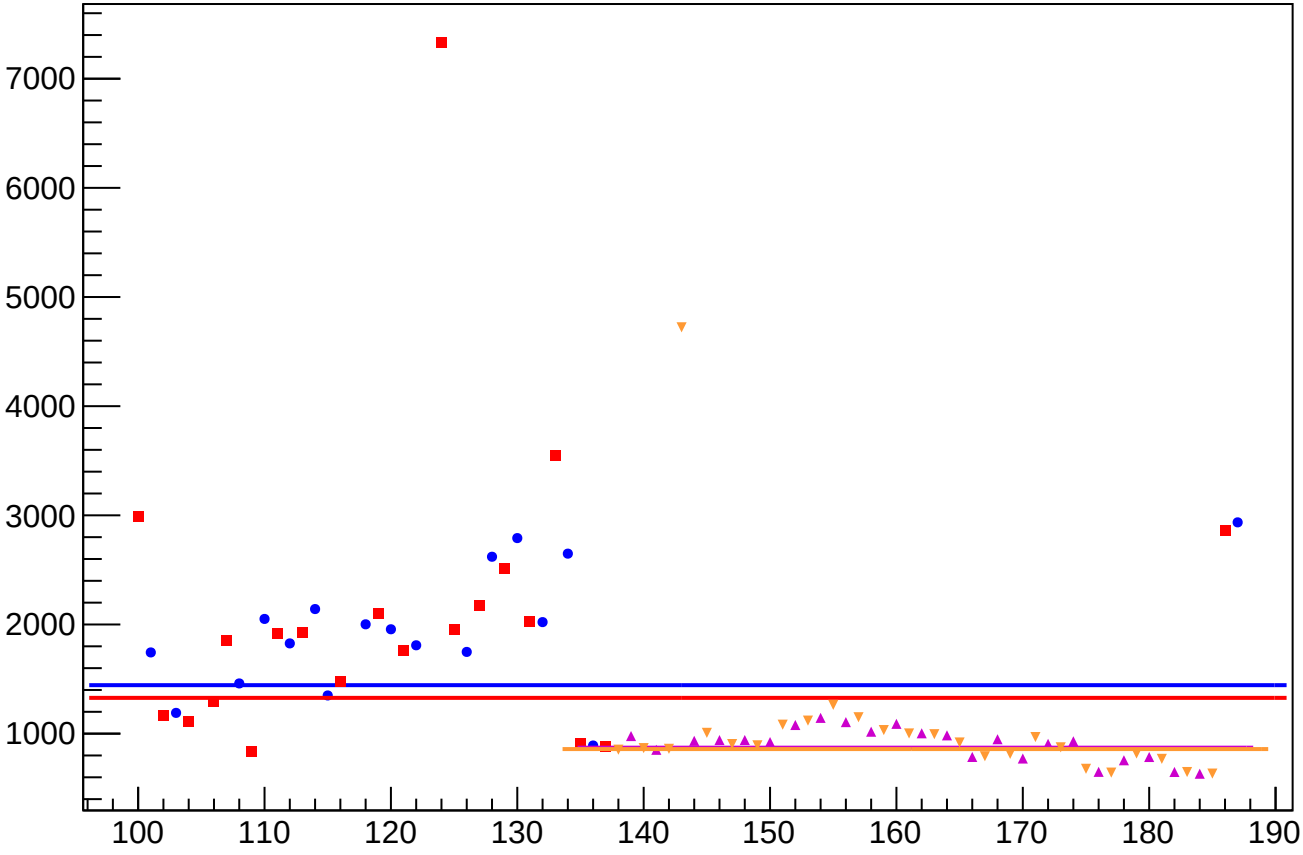
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 811.329+/-190.081 χ^2/NDF: 76.8/41

All: 552.480+/-135.109 χ^2/NDF: 117.3/84

- sign 288.156+/-192.081 χ^2/NDF: 36.8/42

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1444.105+/-0.403 χ^2/NDF: 1861221.0/16

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

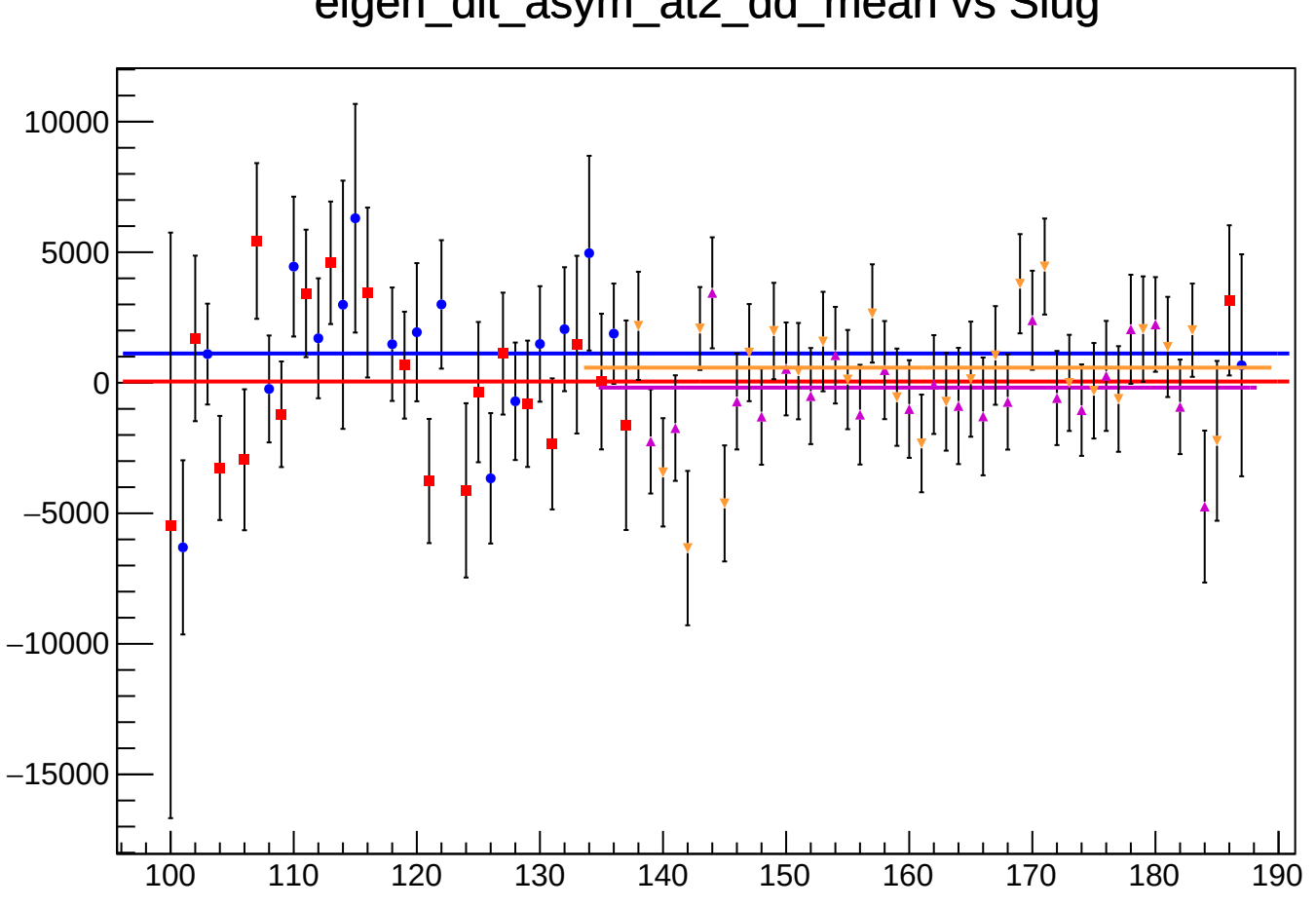
Right Out: 1327.765+/-0.368 χ^2/NDF: 2421049.0/19

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 923.801+/-0.134 χ^2/NDF: 6019058.0/41

All: 928.744+/-0.096 χ^2/NDF: 10751949.6/84

- sign 933.792+/-0.136 χ^2/NDF: 4730157.9/42



Right In: 1121.202+/-610.832 χ^2/NDF: 15.0/16

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 47.473+/-590.233 χ^2/NDF: 21.9/19

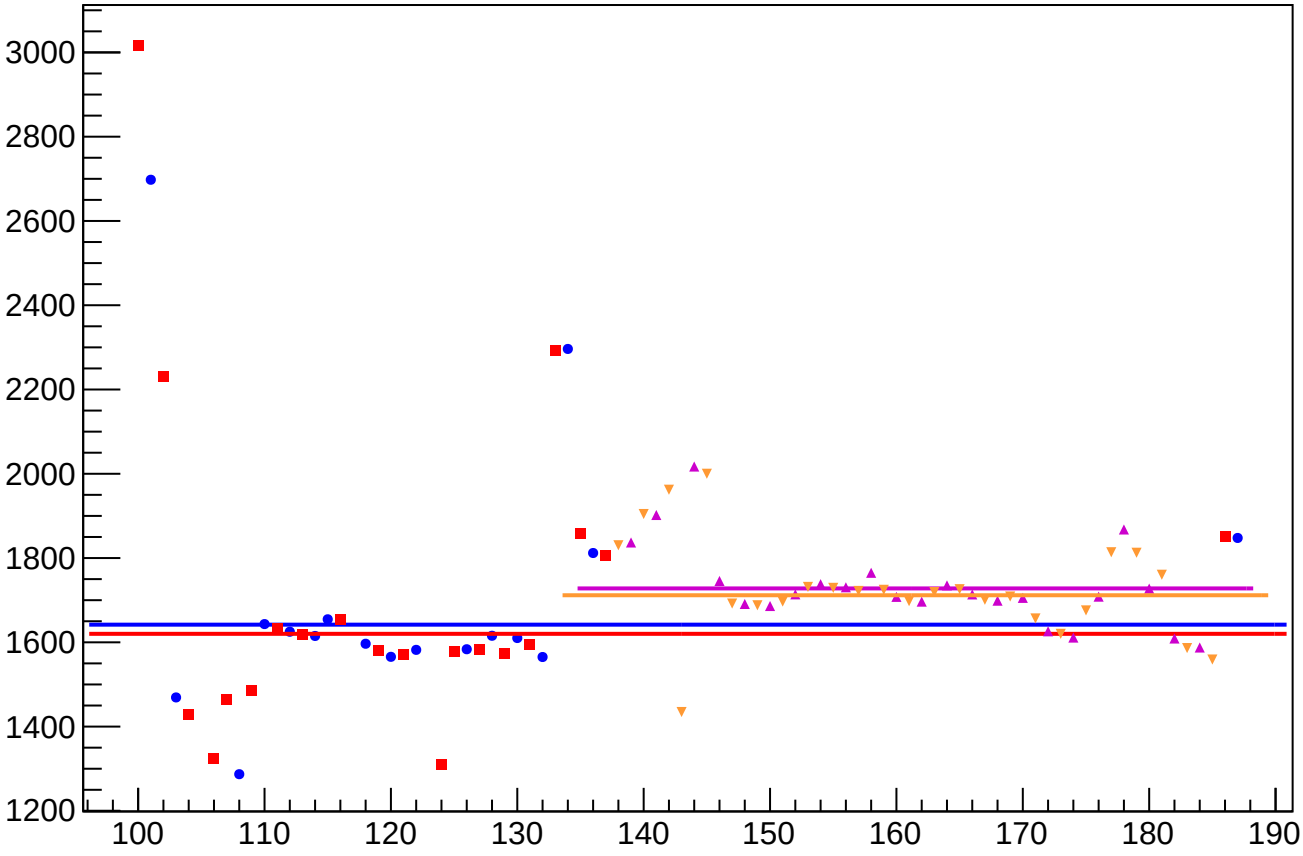
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 736.807+/-328.575 χ^2/NDF: 47.5/41

All: 318.941+/-234.037 χ^2/NDF: 87.2/84

- sign -111.379+/-333.436 χ^2/NDF: 36.4/42

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1641.912+/-0.432 χ^2/NDF: 366202.0/16

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1620.150+/-0.417 χ^2/NDF: 294148.3/19

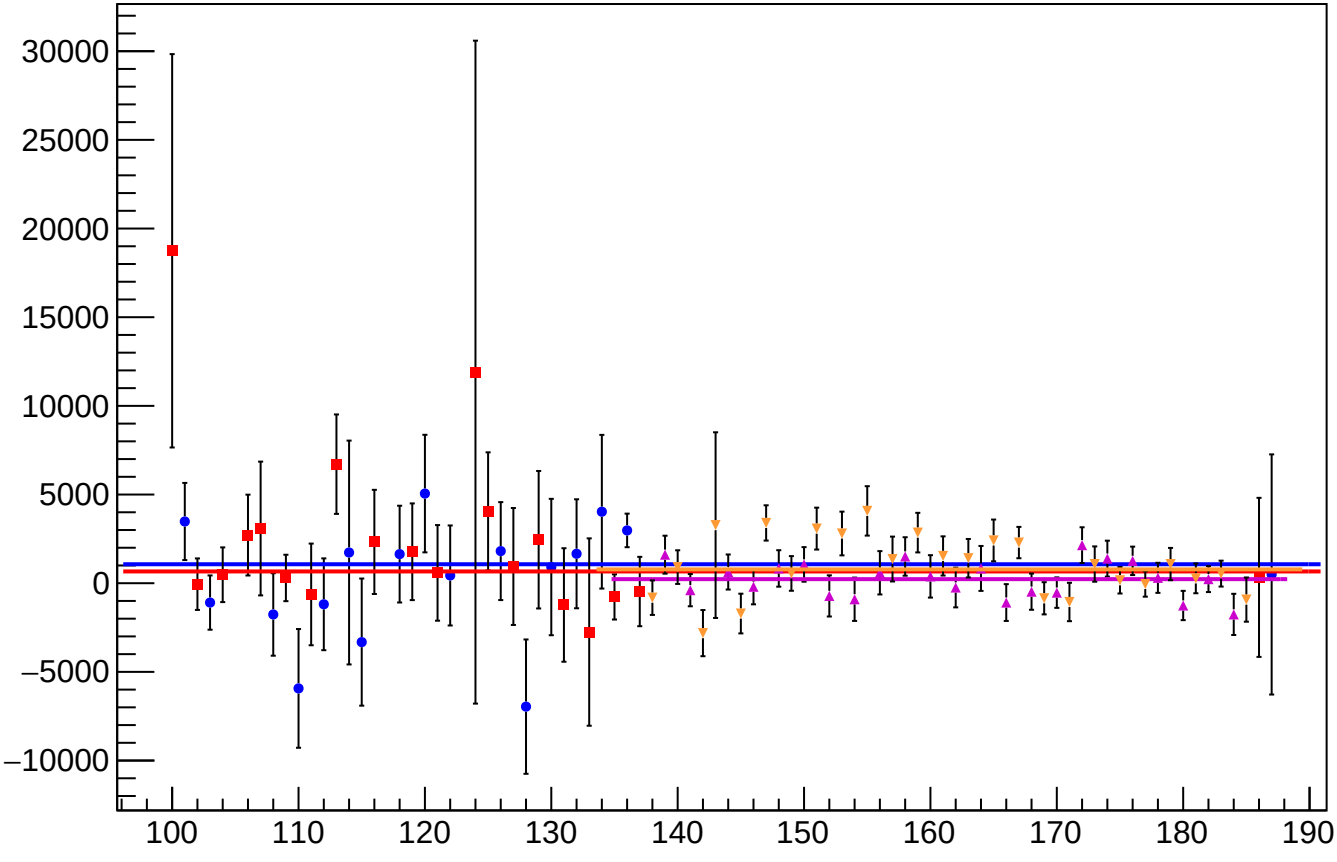
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1691.515+/-0.232 χ^2/NDF: 552765.9/41

All: 1692.503+/-0.165 χ^2/NDF: 992569.1/84

- sign 1693.521+/-0.236 χ^2/NDF: 439766.5/42

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1069.485+/-569.587 χ^2/NDF: 22.0/16

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 663.237+/-519.950 χ^2/NDF: 13.6/19

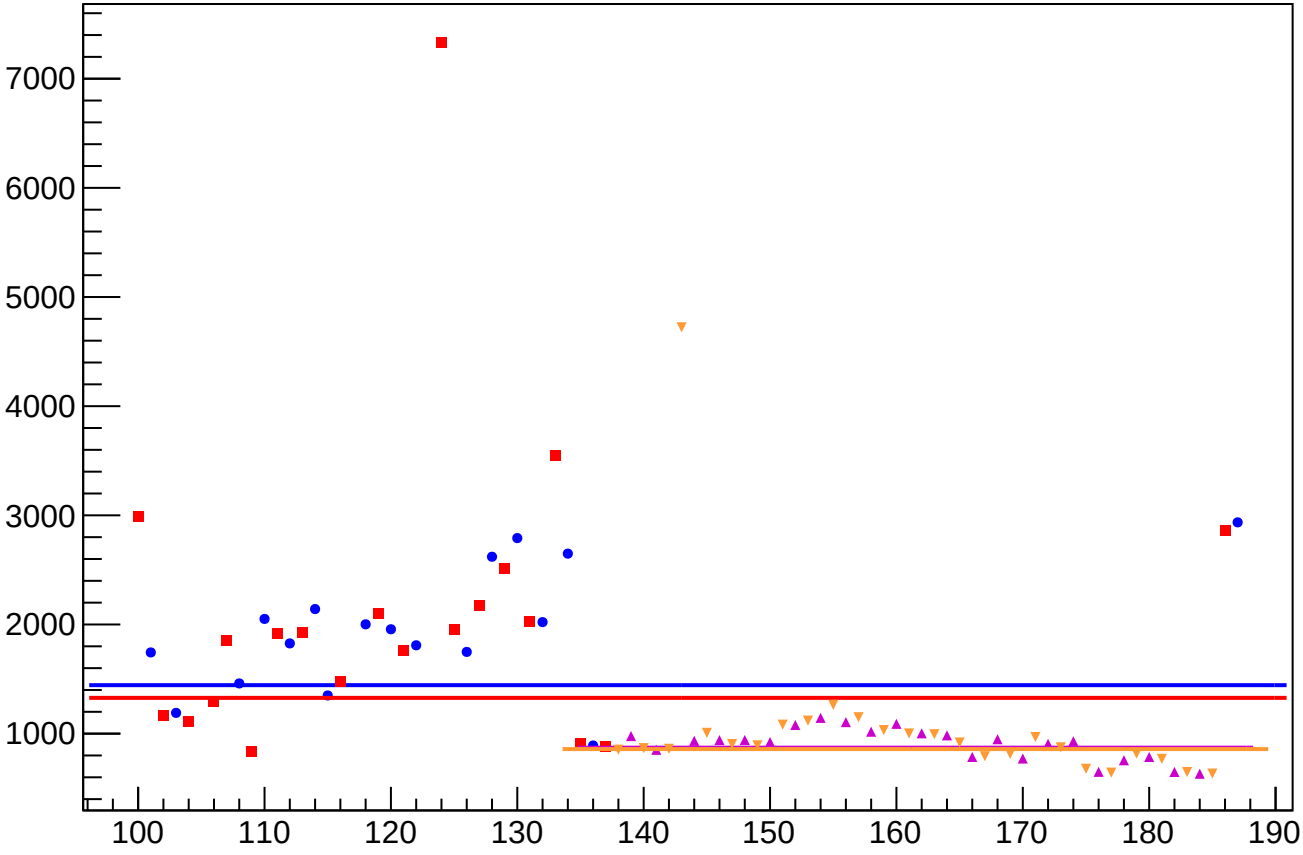
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 811.330+/-190.082 χ^2/NDF: 76.8/41

All: 552.480+/-135.109 χ^2/NDF: 117.3/84

- sign 288.155+/-192.081 χ^2/NDF: 36.8/42

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1444.121+/-0.403 χ^2/NDF: 1861125.7/16

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

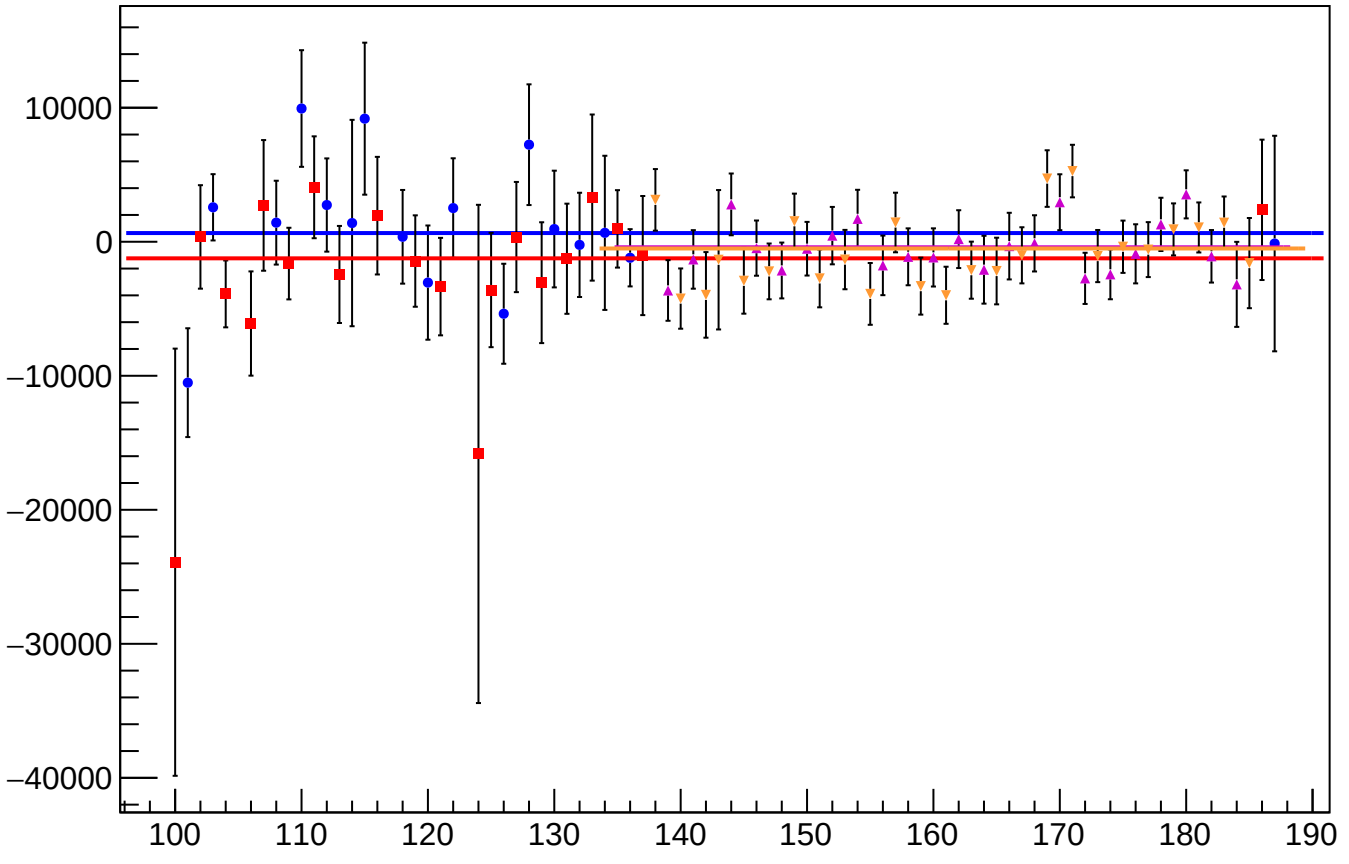
Right Out: 1327.778+/-0.368 χ^2/NDF: 2420972.9/19

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 923.802+/-0.134 χ^2/NDF: 6019028.1/41

All: 928.744+/-0.096 χ^2/NDF: 10751915.4/84

- sign 933.792+/-0.136 χ^2/NDF: 4730154.2/42



Right In: 649.446+/-903.807 χ^2/NDF: 22.0/16

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1237.324+/-877.969 χ^2/NDF: 11.3/19

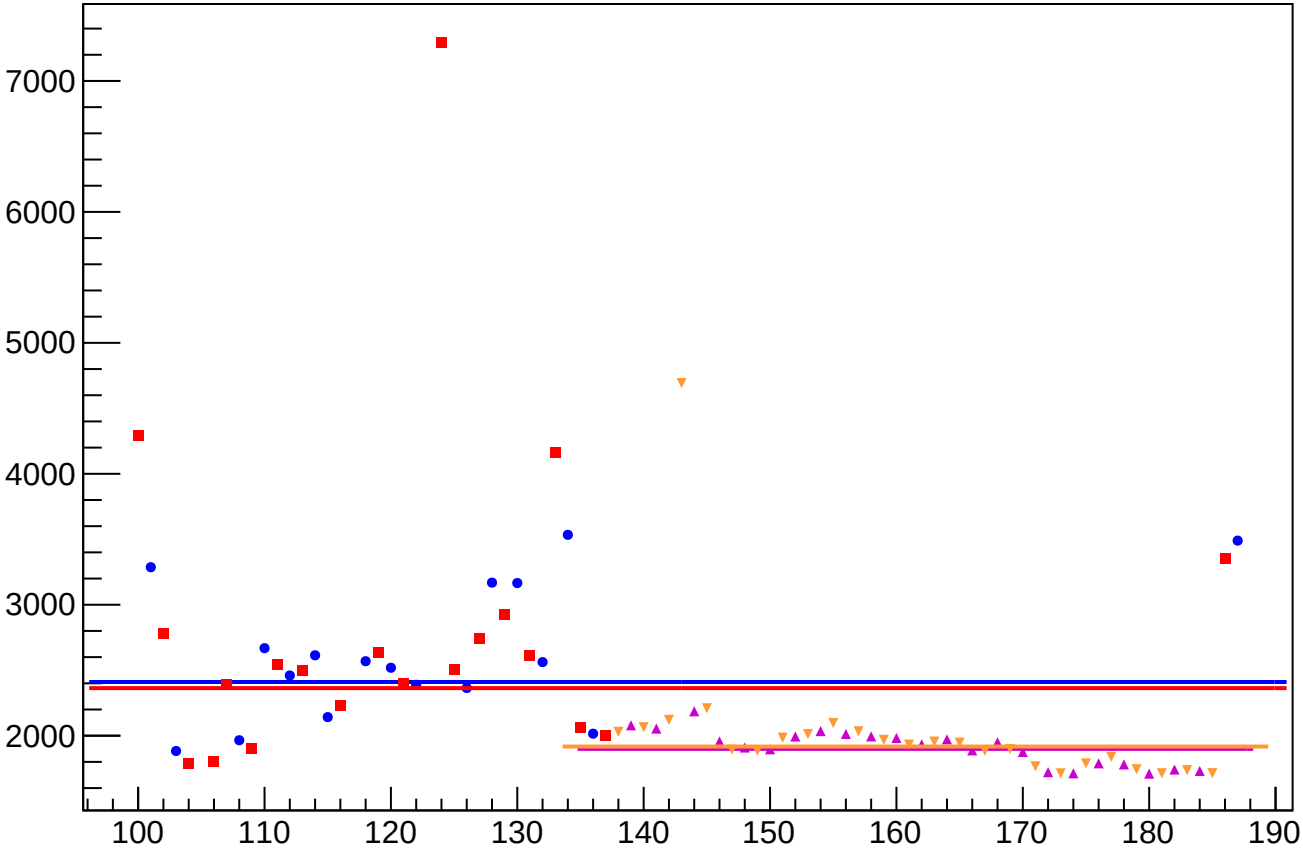
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -281.067+/-395.549 χ^2/NDF: 59.2/41

All: -430.075+/-280.074 χ^2/NDF: 90.4/84

- sign -579.893+/-396.623 χ^2/NDF: 30.9/42

asym_at2_dd_rms vs Slug



Right In: 2410.089+/-0.639 χ^2/NDF: 544413.2/16

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2363.222+/-0.621 χ^2/NDF: 755094.4/19

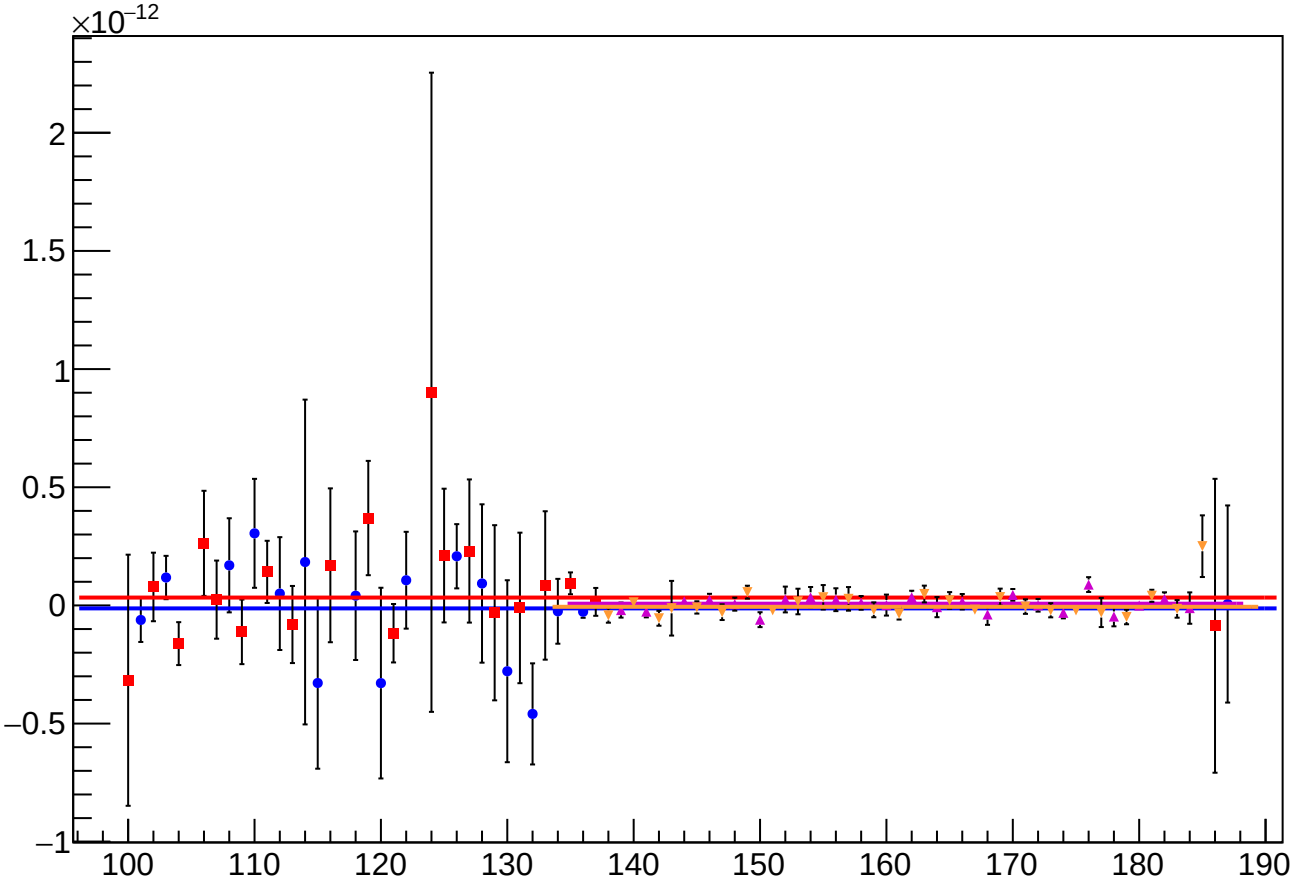
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2011.571+/-0.280 χ^2/NDF: 1781763.1/41

All: 2002.777+/-0.198 χ^2/NDF: 3156785.5/84

- sign 1993.934+/-0.280 χ^2/NDF: 1373039.5/42

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

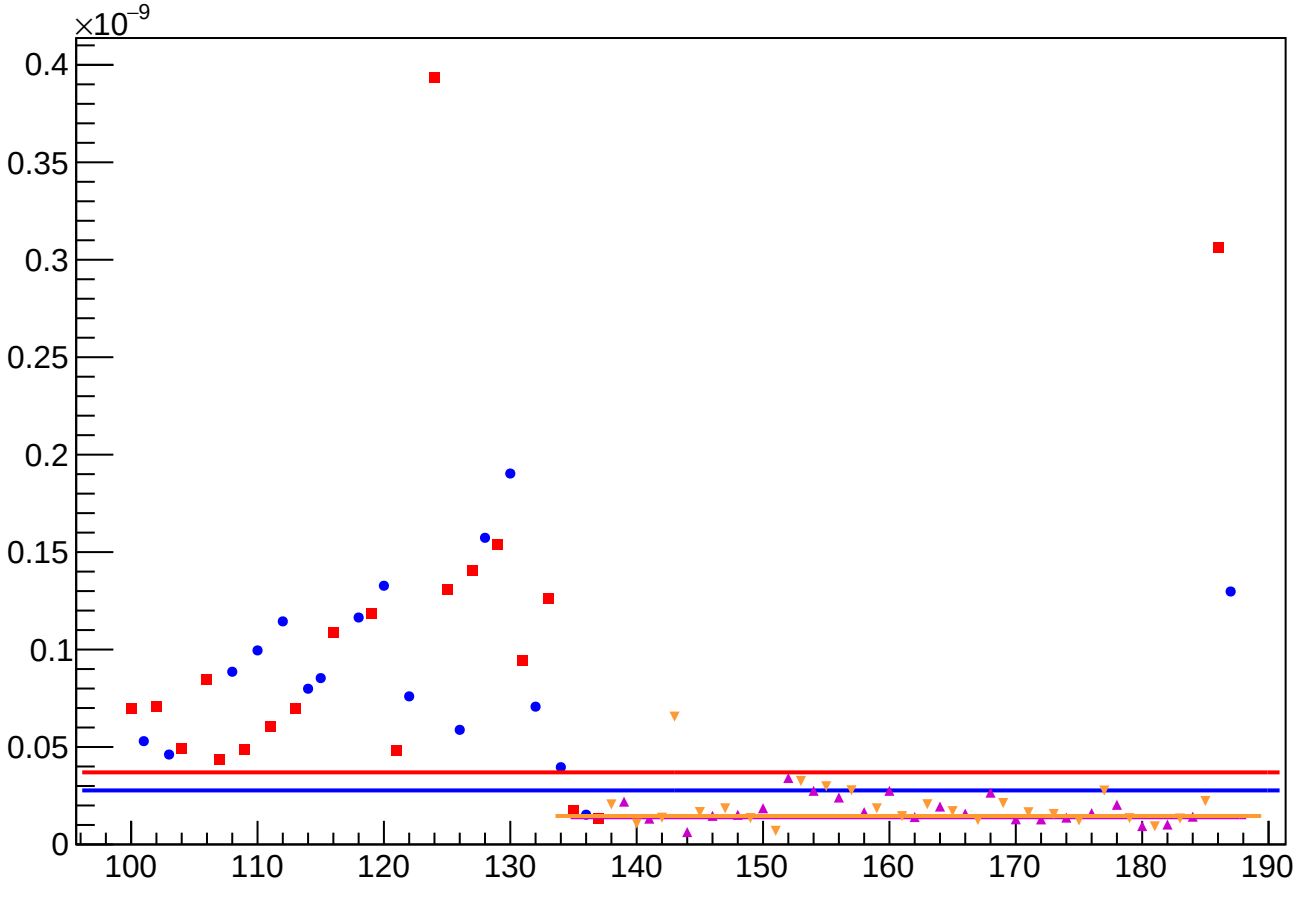
Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/19

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.5/41

All: 0.000+/-0.000 χ^2/NDF: 87.8/84

- sign 0.000+/-0.000 χ^2/NDF: 41.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 2848118.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2818270.8/19

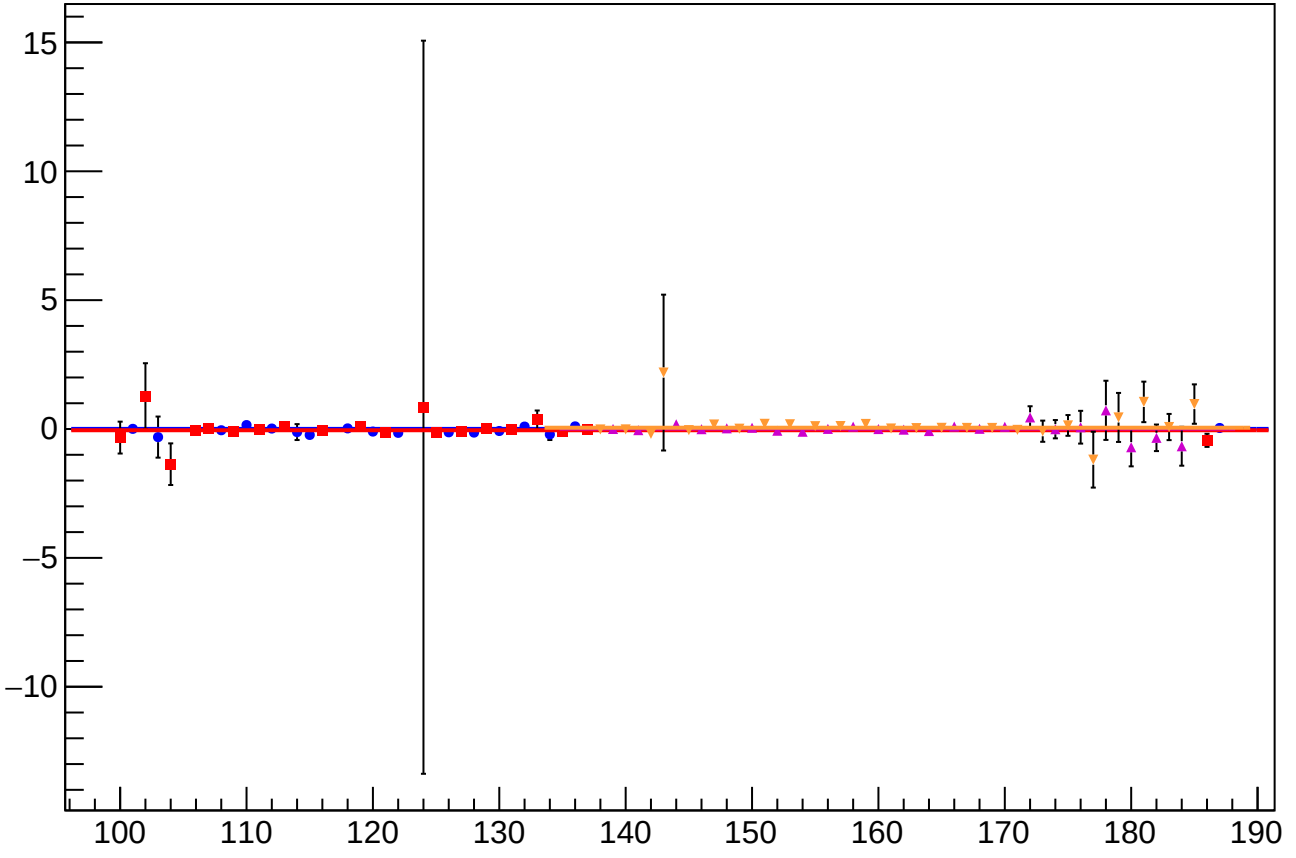
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5377651.6/41

All: 0.000+/-0.000 χ^2/NDF: 11446912.8/84

- sign 0.000+/-0.000 χ^2/NDF: 6060783.0/42

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.047+/-0.025 χ^2/NDF: 15.1/19

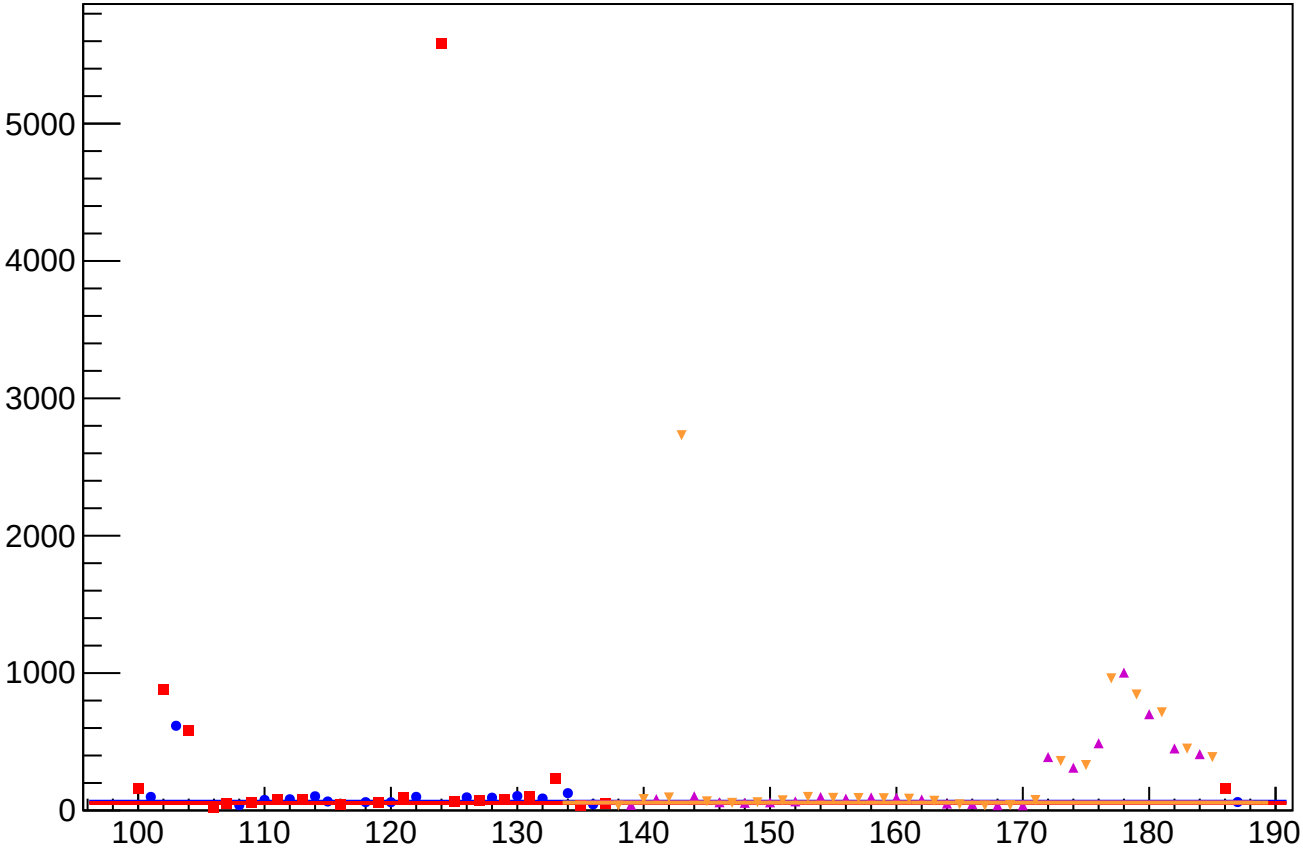
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/41

All: 0.017+/-0.010 χ^2/NDF: 79.0/84

- sign -0.002+/-0.014 χ^2/NDF: 35.4/42

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.377+/-0.019 χ^2/NDF: 2445739.6/16

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 54.214+/-0.017 χ^2/NDF: 4293883.0/19

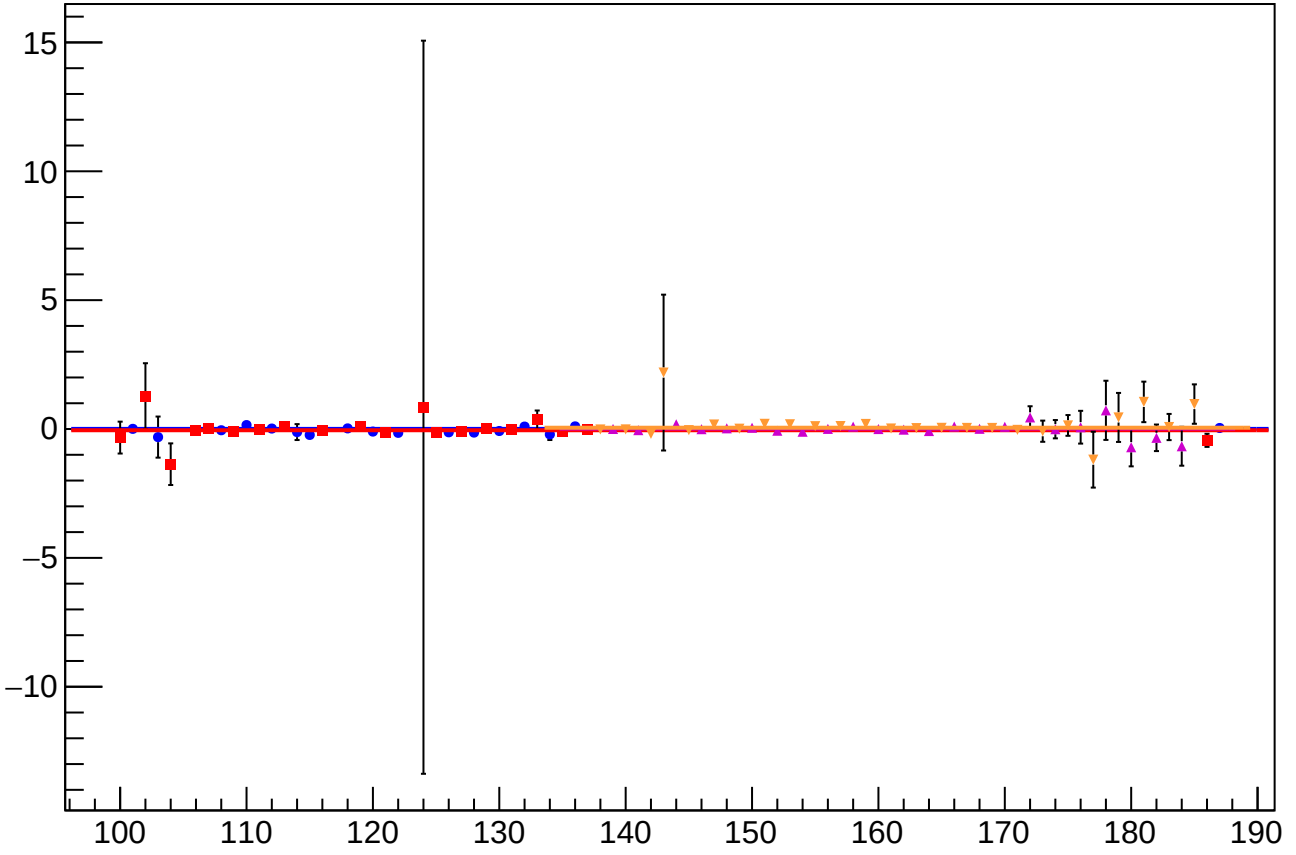
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.022+/-0.010 χ^2/NDF: 14842159.0/41

All: 58.074+/-0.007 χ^2/NDF: 29442922.4/84

- sign 57.164+/-0.010 χ^2/NDF: 14583688.8/42

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.047+/-0.025 χ^2/NDF: 15.1/19

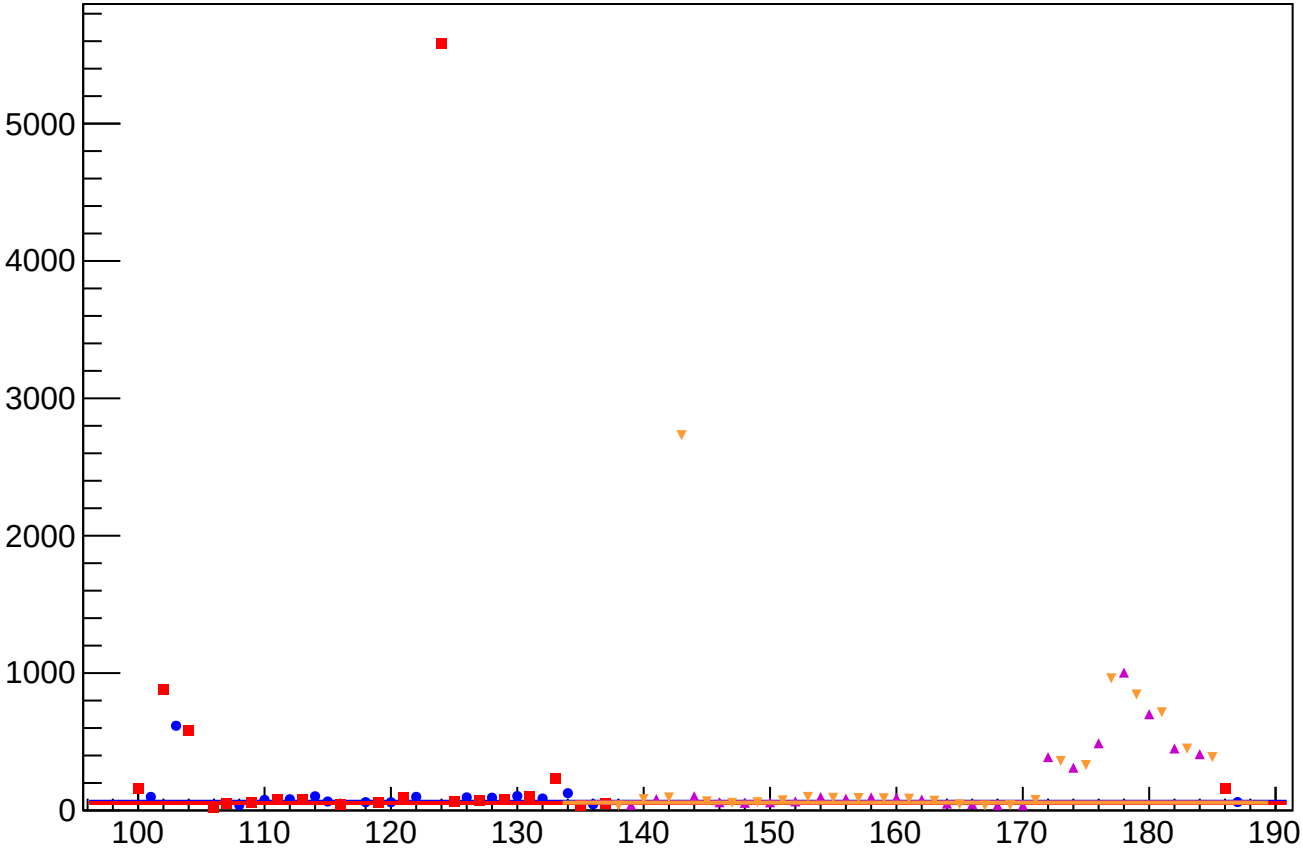
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/41

All: 0.017+/-0.010 χ^2/NDF: 79.0/84

- sign -0.002+/-0.014 χ^2/NDF: 35.4/42

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.377+/-0.019 χ^2/NDF: 2445739.6/16

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 54.214+/-0.017 χ^2/NDF: 4293883.0/19

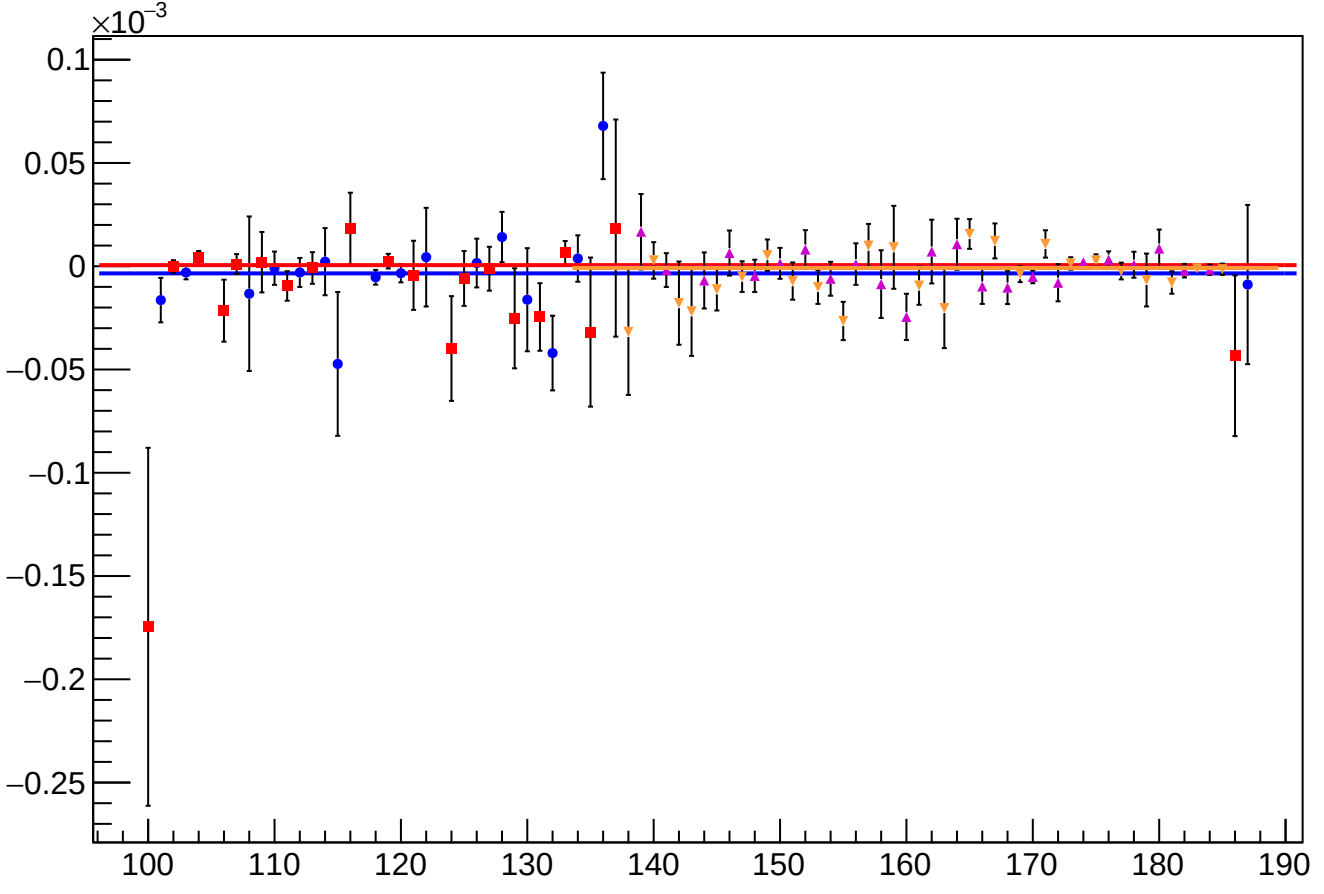
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 59.022+/-0.010 χ^2/NDF: 14842159.0/41

All: 58.074+/-0.007 χ^2/NDF: 29442922.4/84

- sign 57.164+/-0.010 χ^2/NDF: 14583688.8/42

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

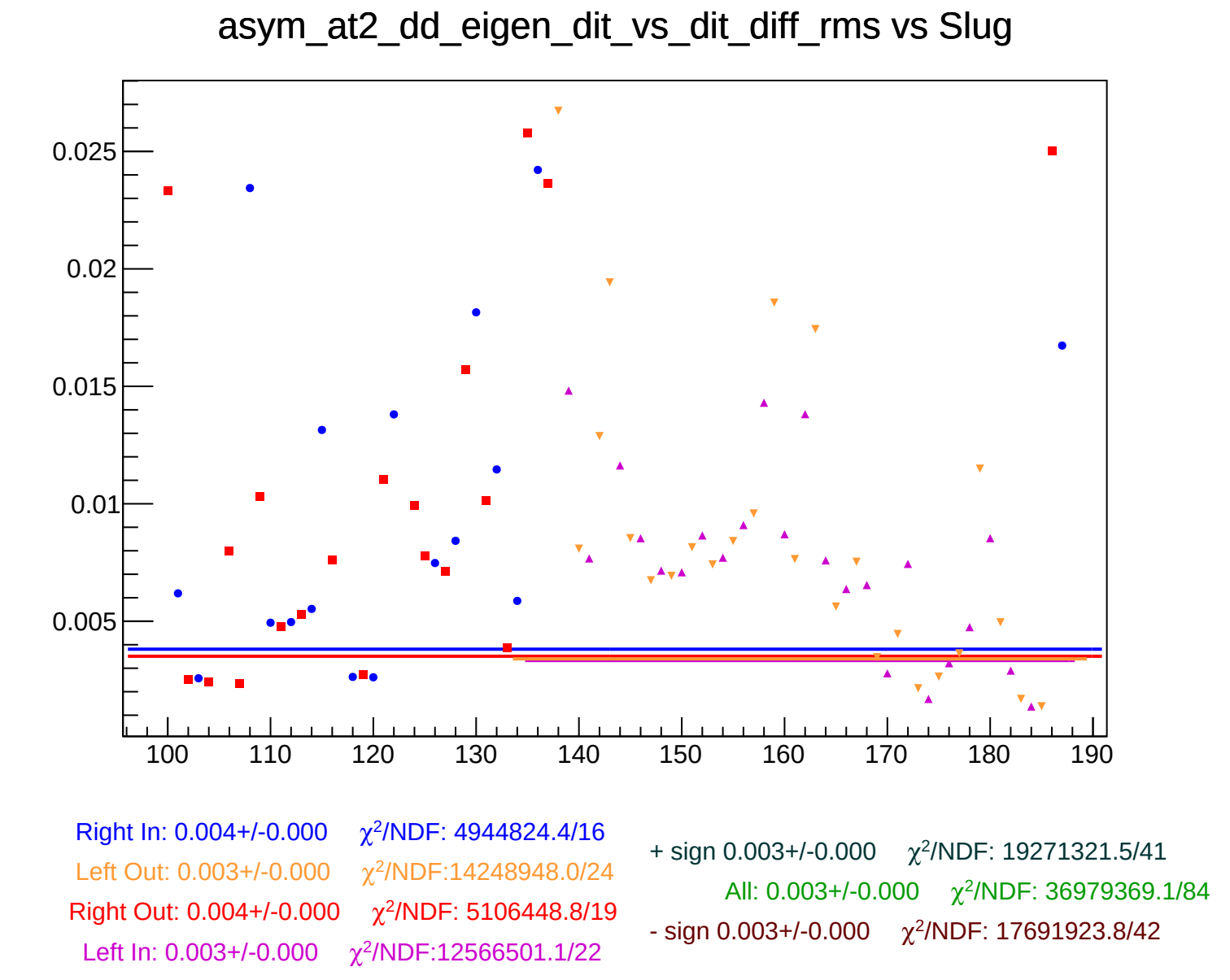
Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/19

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

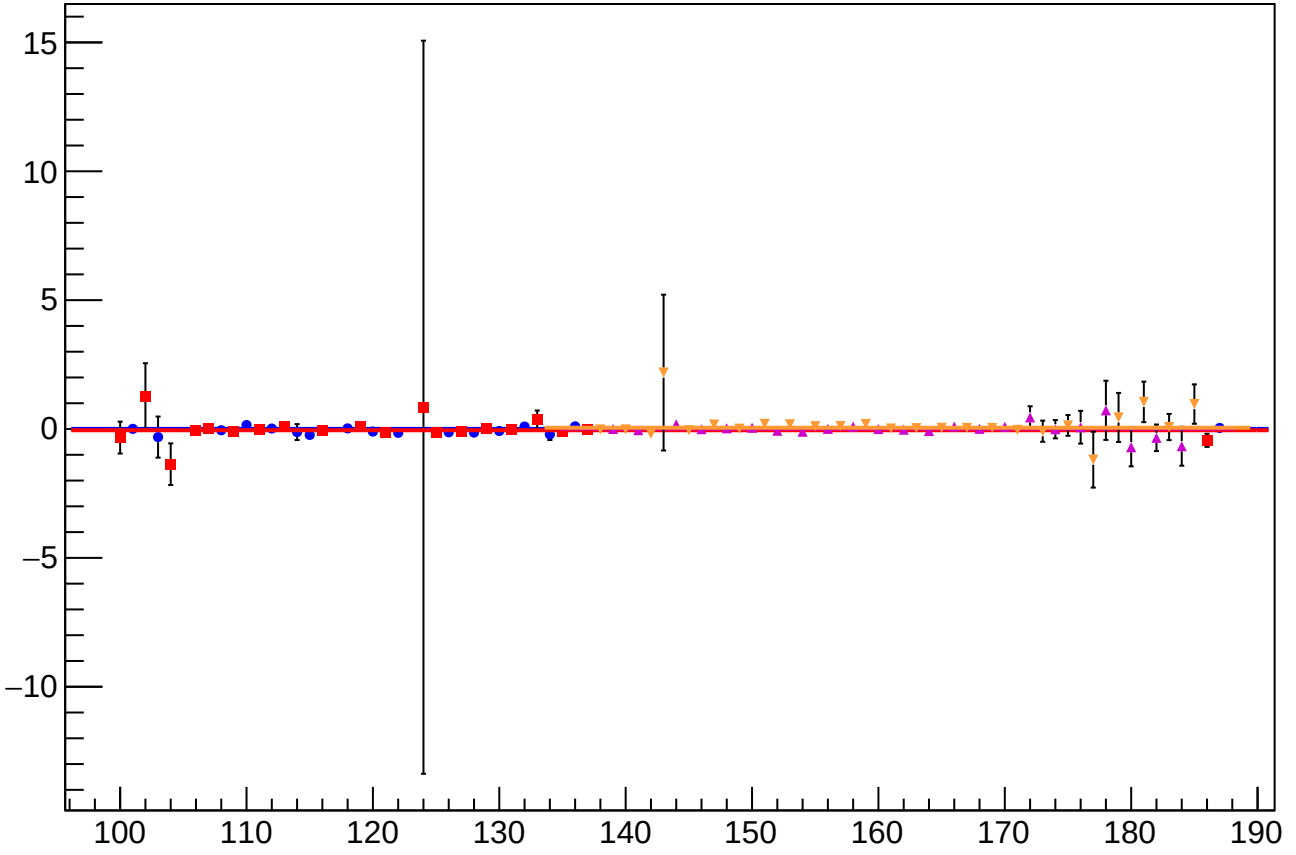
+ sign -0.000+/-0.000 χ^2/NDF: 53.3/41

All: -0.000+/-0.000 χ^2/NDF: 93.8/84

- sign -0.000+/-0.000 χ^2/NDF: 39.7/42


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.000 χ²/NDF: 4944824.4/16
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 5106448.8/19
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
+ sign 0.003+/-0.000 χ²/NDF: 19271321.5/41
All: 0.003+/-0.000 χ²/NDF: 36979369.1/84
- sign 0.003+/-0.000 χ²/NDF: 17691923.8/42

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.047+/-0.025 χ^2/NDF: 15.1/19

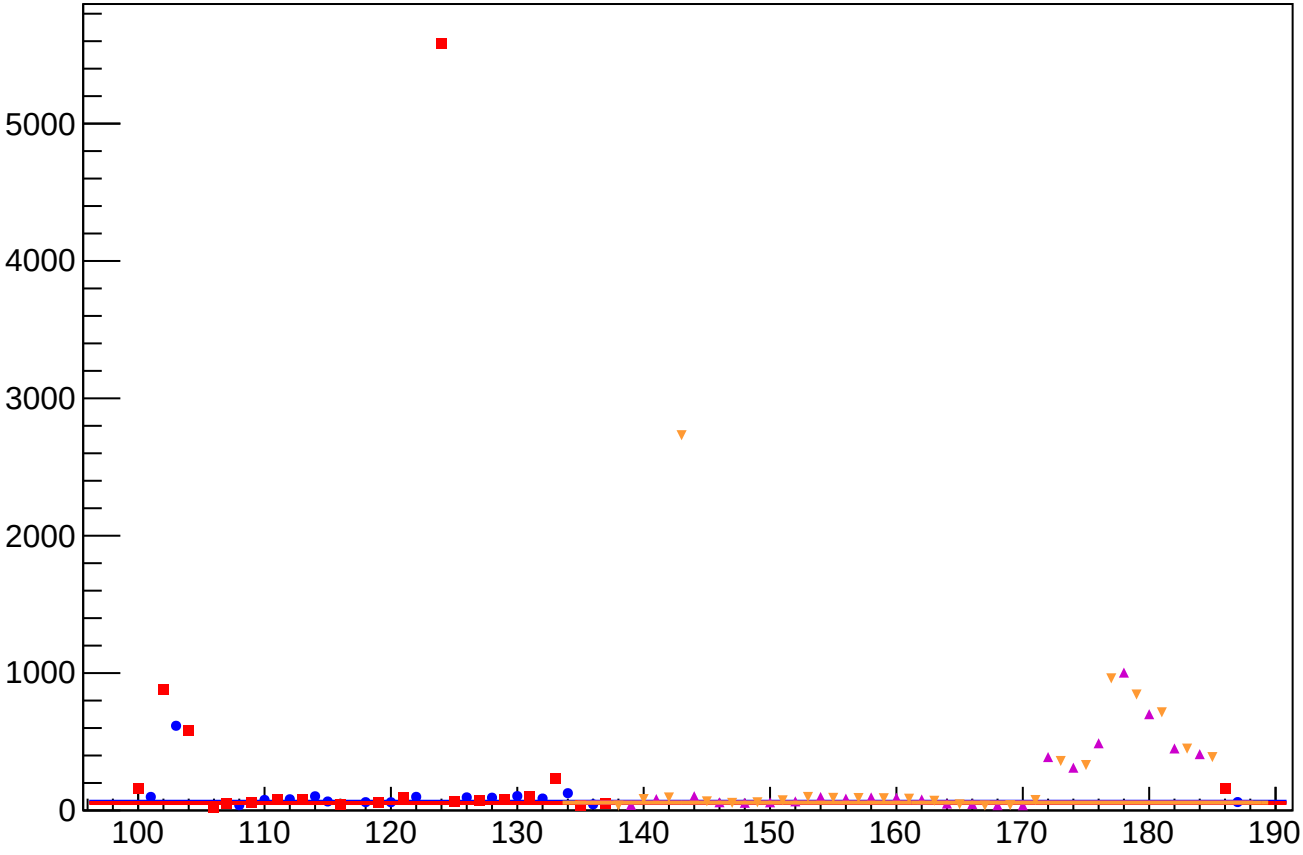
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/41

All: 0.017+/-0.010 χ^2/NDF: 79.0/84

- sign -0.002+/-0.014 χ^2/NDF: 35.4/42

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.386+/-0.019 χ^2/NDF: 2444843.3/16

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

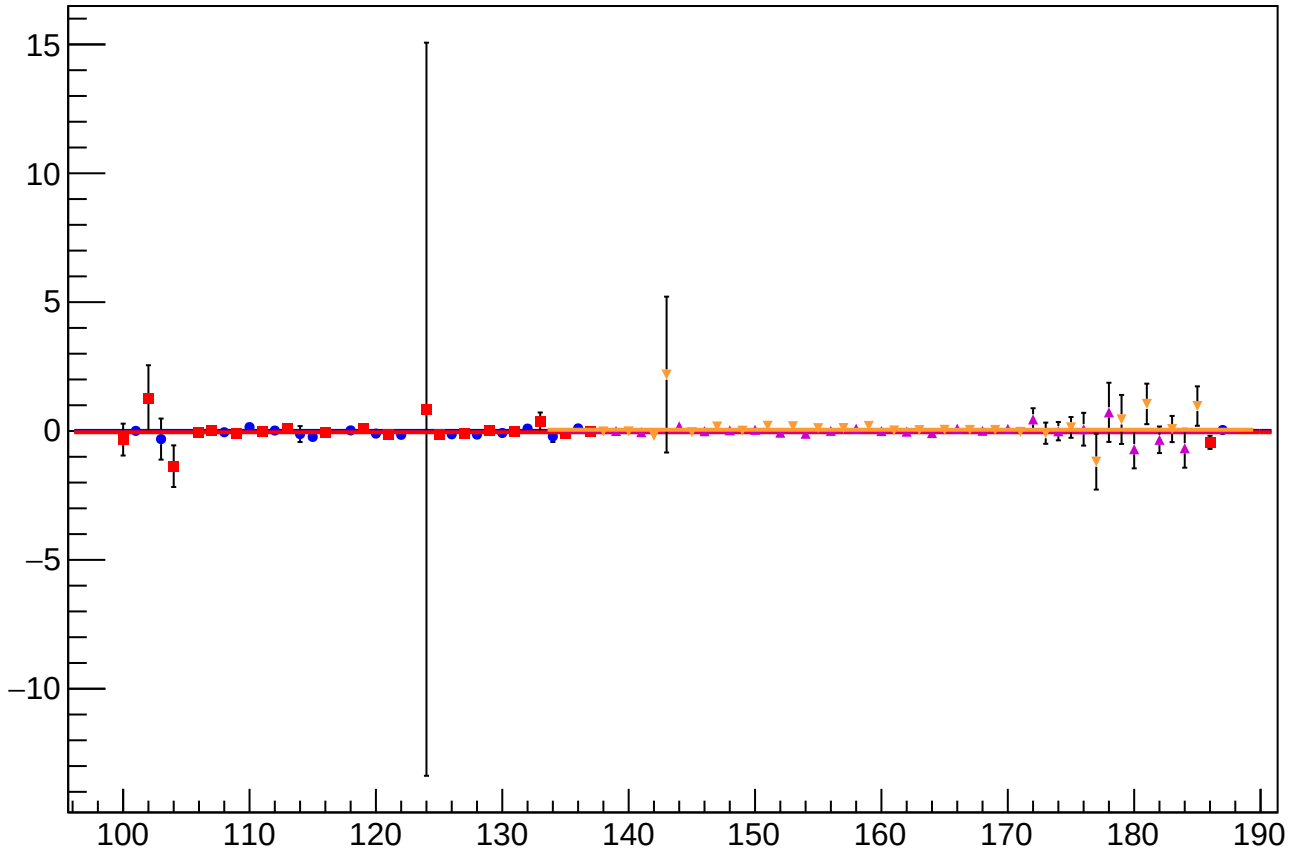
Right Out: 54.209+/-0.017 χ^2/NDF: 4294479.8/19

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 59.024+/-0.010 χ^2/NDF: 14841238.3/41

All: 58.075+/-0.007 χ^2/NDF: 29442270.8/84

- sign 57.164+/-0.010 χ^2/NDF: 14583927.5/42



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

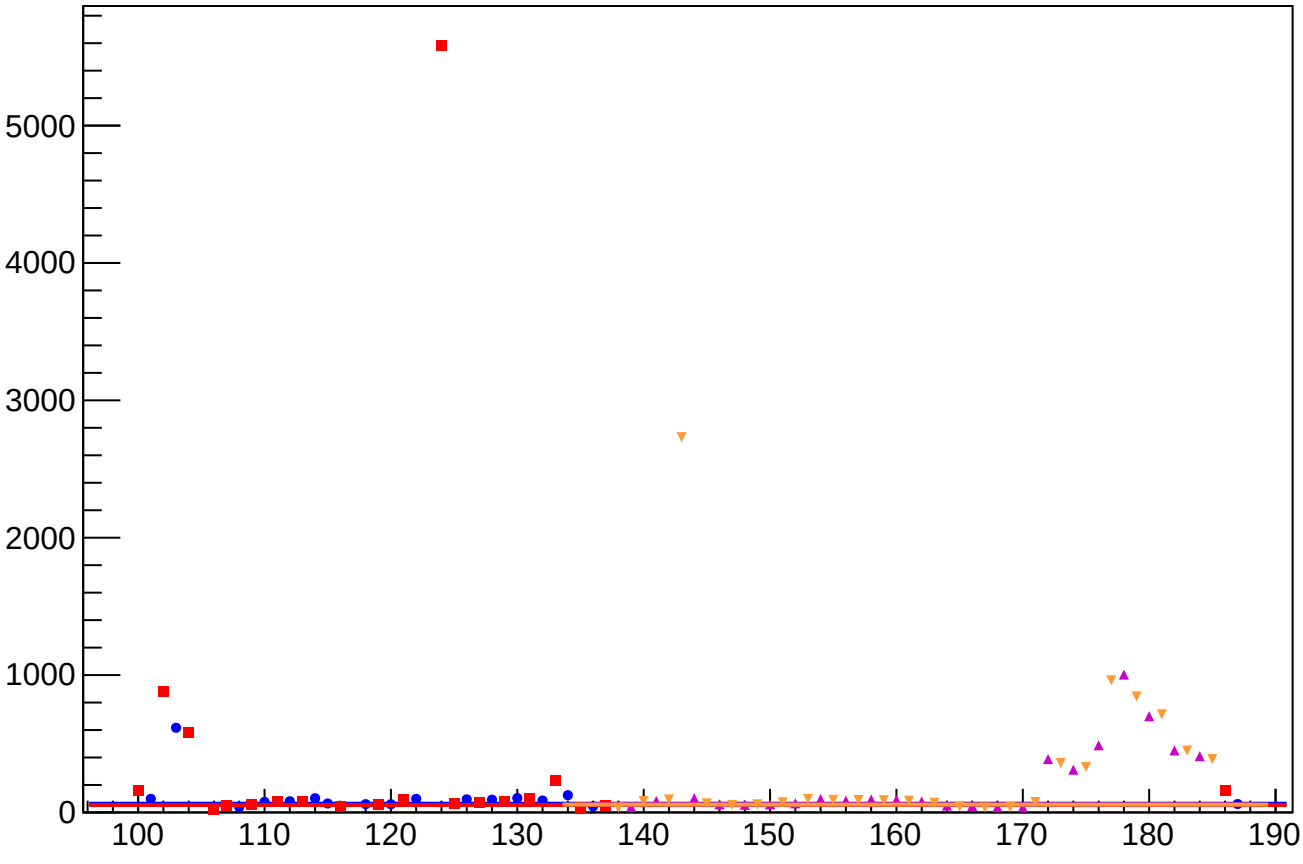
Right Out: -0.047+/-0.025 χ^2/NDF: 15.1/19

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.037+/-0.014 χ^2/NDF: 39.9/41

All: 0.017+/-0.010 χ^2/NDF: 79.0/84

- sign -0.002+/-0.014 χ^2/NDF: 35.4/42



Right In: 63.386+/-0.019 χ^2/NDF: 2444843.3/16

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 54.209+/-0.017 χ^2/NDF: 4294479.8/19

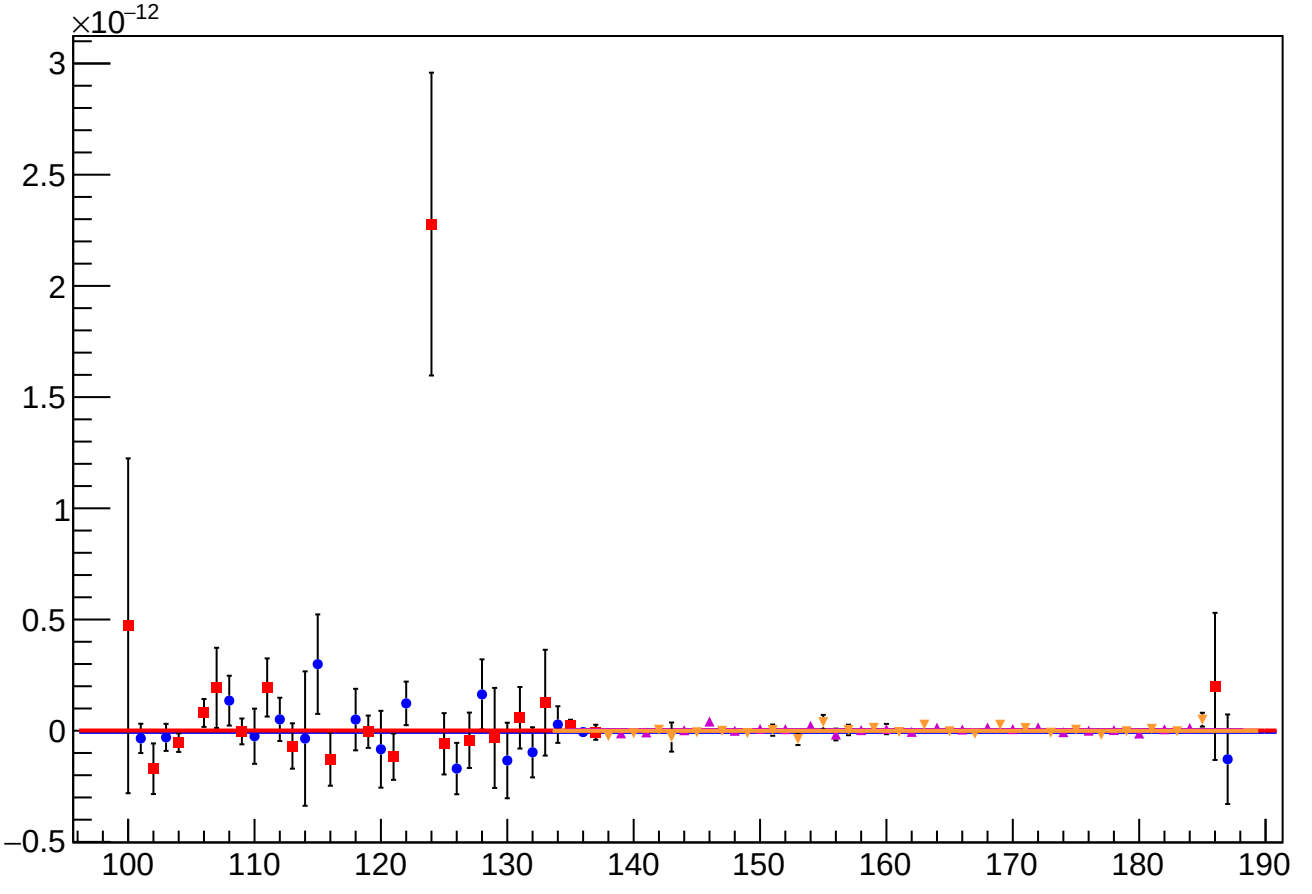
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

\+ sign 59.024+/-0.010 χ^2/NDF: 14841238.3/41

All: 58.075+/-0.007 χ^2/NDF: 29442270.8/84

\- sign 57.164+/-0.010 χ^2/NDF: 14583927.5/42

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

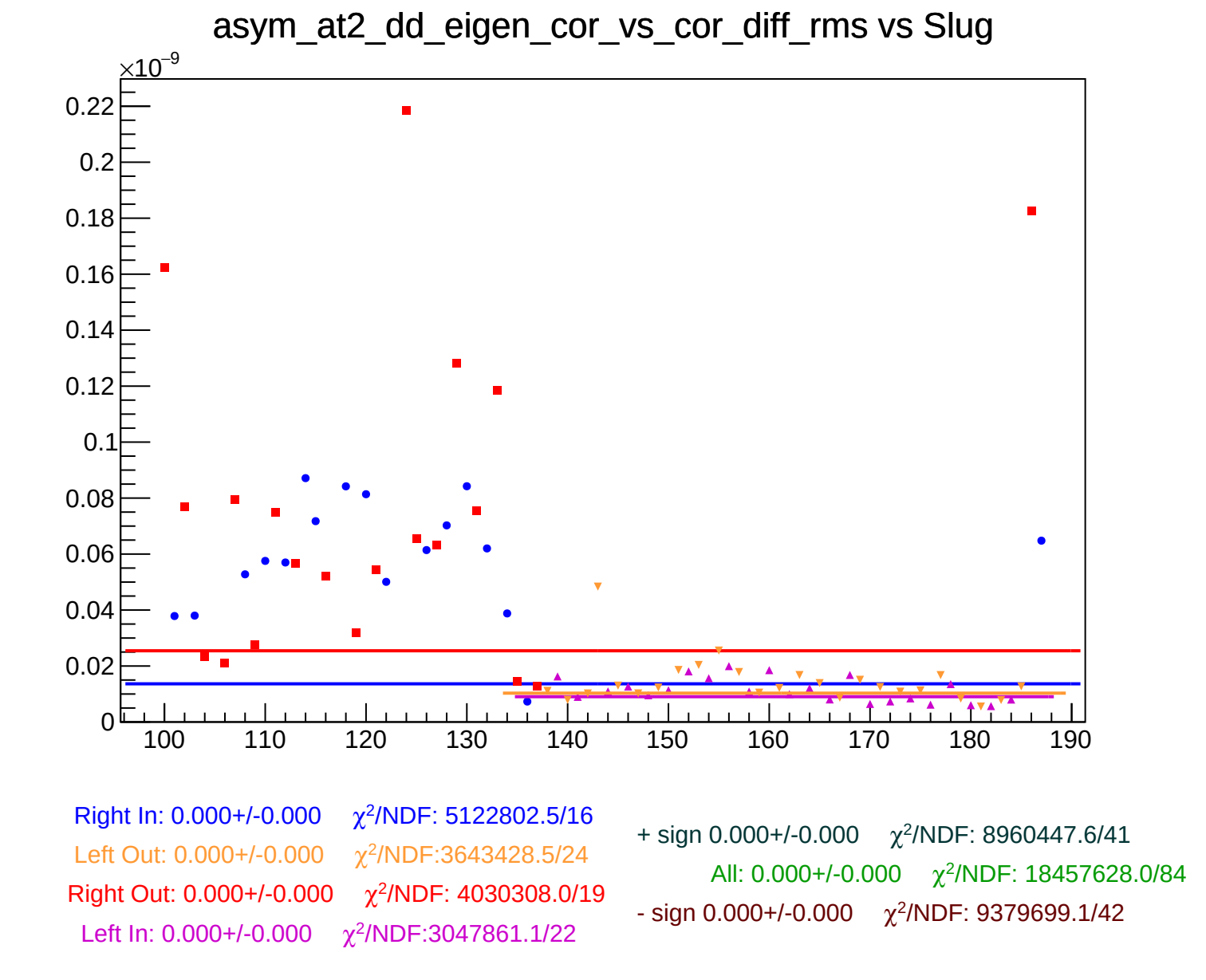
Right Out: 0.000+/-0.000 χ^2/NDF: 25.5/19

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

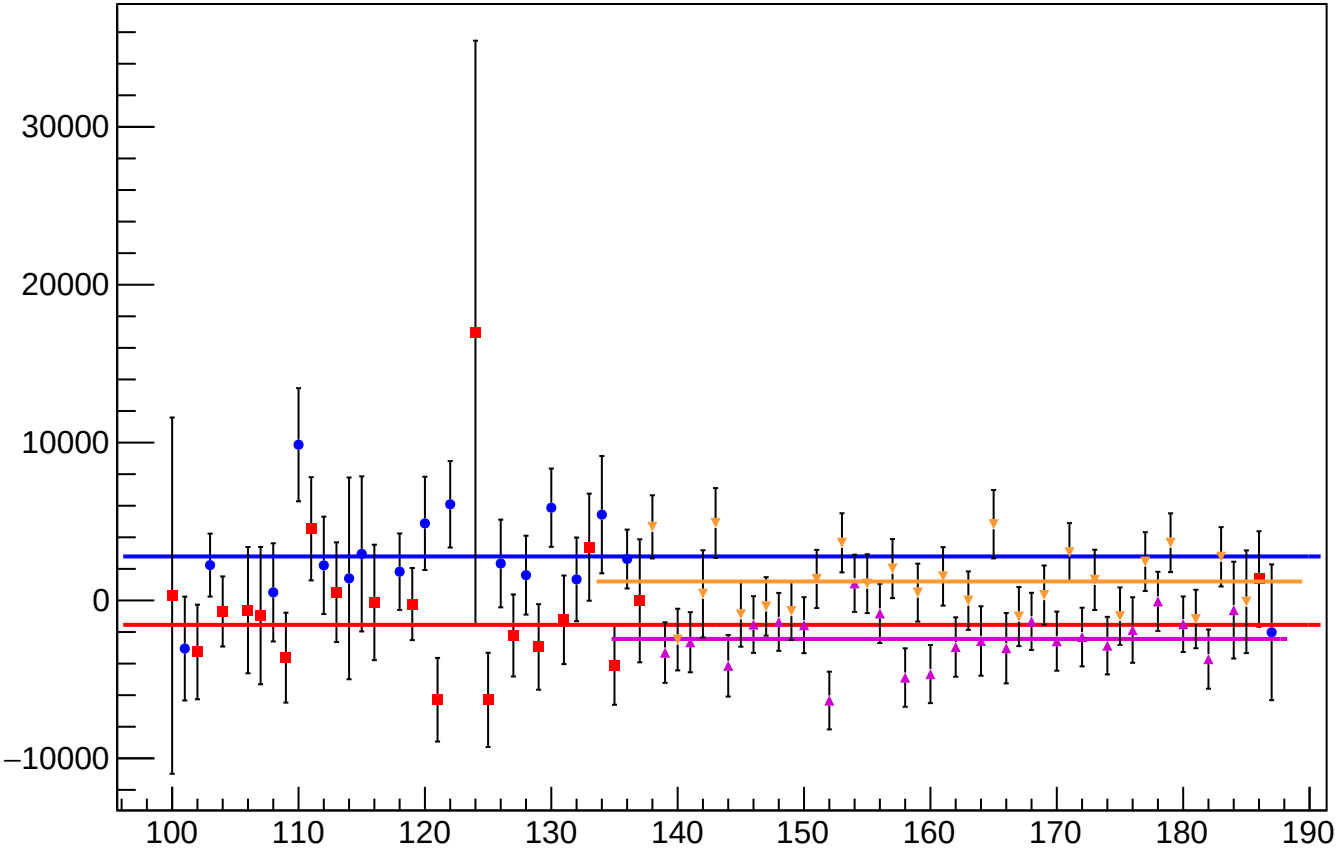
+ sign -0.000+/-0.000 χ^2/NDF: 30.2/41

All: 0.000+/-0.000 χ^2/NDF: 72.0/84

- sign 0.000+/-0.000 χ^2/NDF: 40.9/42


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5122802.5/16
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4030308.0/19
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
+ sign 0.000+/-0.000 χ²/NDF: 8960447.6/41
All: 0.000+/-0.000 χ²/NDF: 18457628.0/84
- sign 0.000+/-0.000 χ²/NDF: 9379699.1/42

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2787.542+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1546.101+/-688.290 χ^2/NDF: 16.8/19

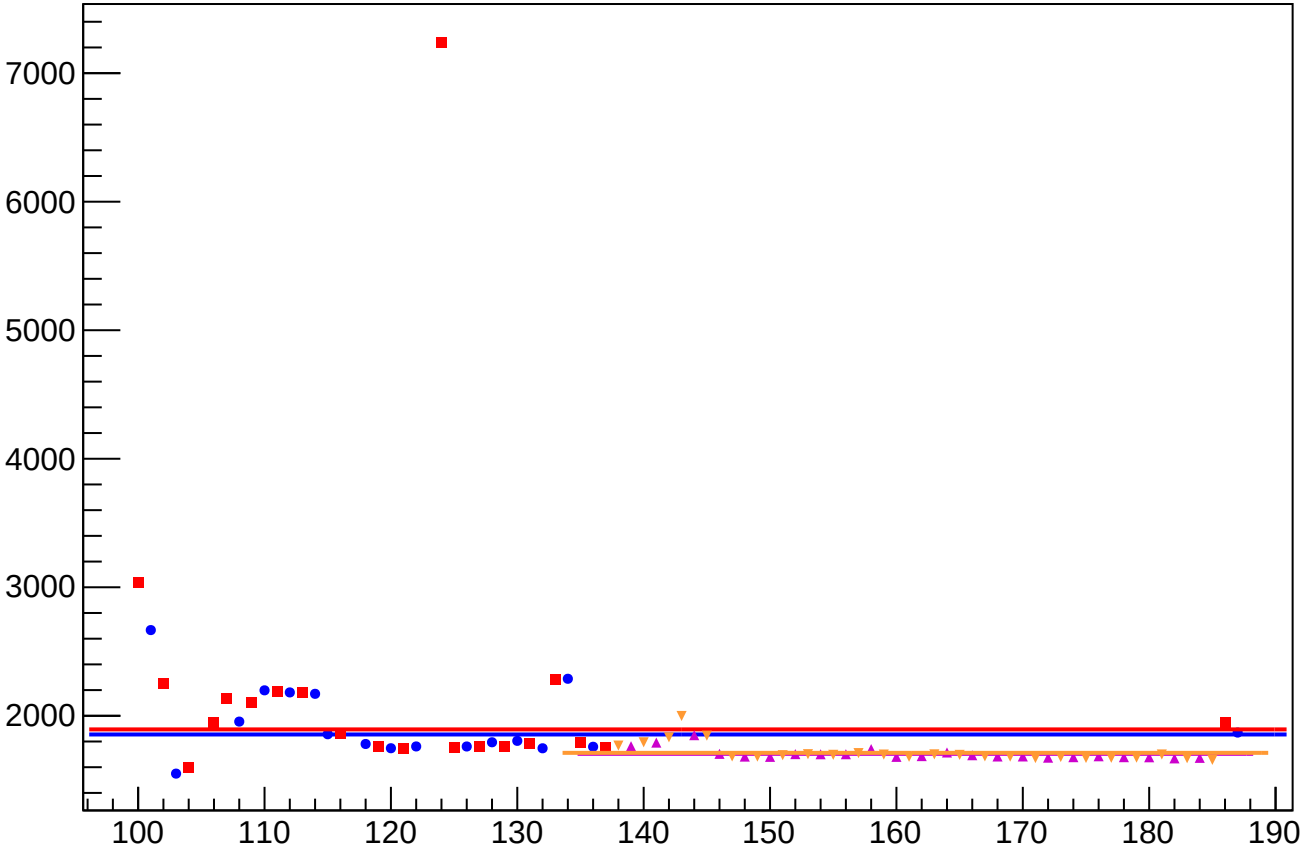
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1588.154+/-338.492 χ^2/NDF: 44.1/41

All: -279.976+/-241.454 χ^2/NDF: 141.6/84

- sign -2215.289+/-344.524 χ^2/NDF: 35.5/42

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.9/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1894.239+/-0.486 χ^2/NDF: 364648.7/19

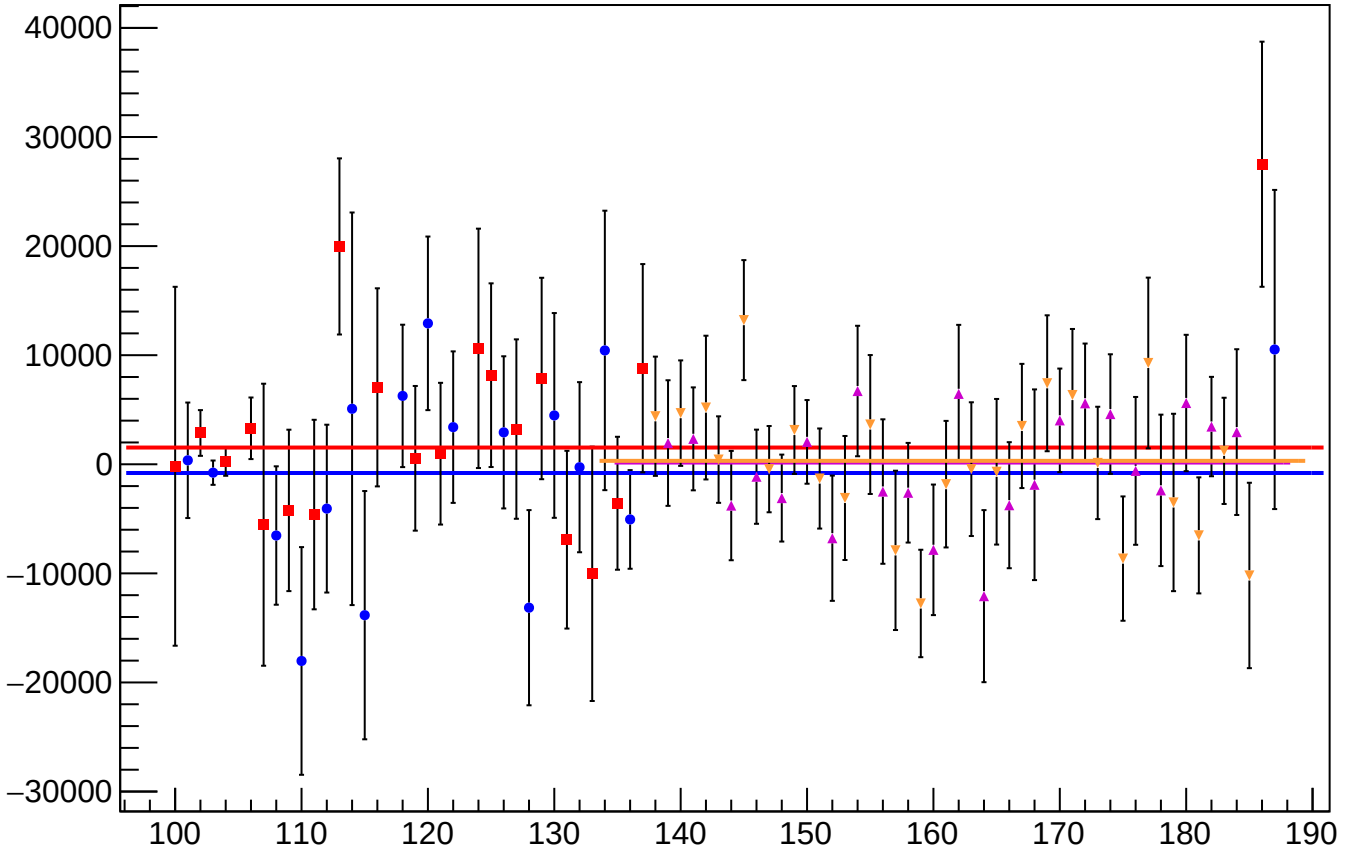
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1746.558+/-0.239 χ^2/NDF: 389070.5/41

All: 1749.133+/-0.171 χ^2/NDF: 891444.7/84

- sign 1751.799+/-0.243 χ^2/NDF: 502138.6/42

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -798.922+/-960.840 χ^2/NDF: 14.5/16

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1534.138+/-912.896 χ^2/NDF: 19.4/19

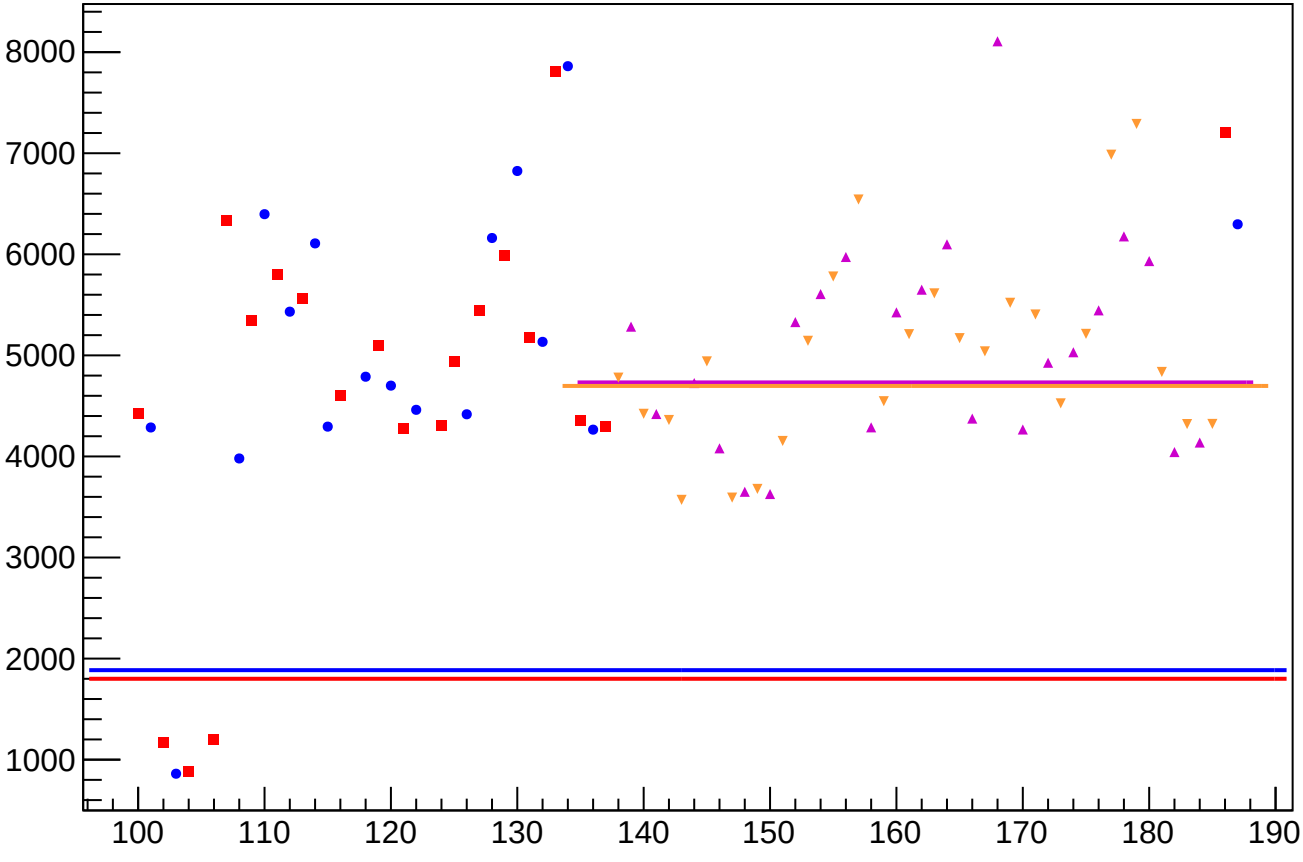
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -313.244+/-721.348 χ^2/NDF: 42.1/41

All: 348.837+/-505.912 χ^2/NDF: 78.7/84

- sign 989.762+/-709.730 χ^2/NDF: 35.0/42

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 1885.521+/-0.679 χ^2/NDF: 7032329.3/16

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1800.217+/-0.646 χ^2/NDF: 6901081.1/19

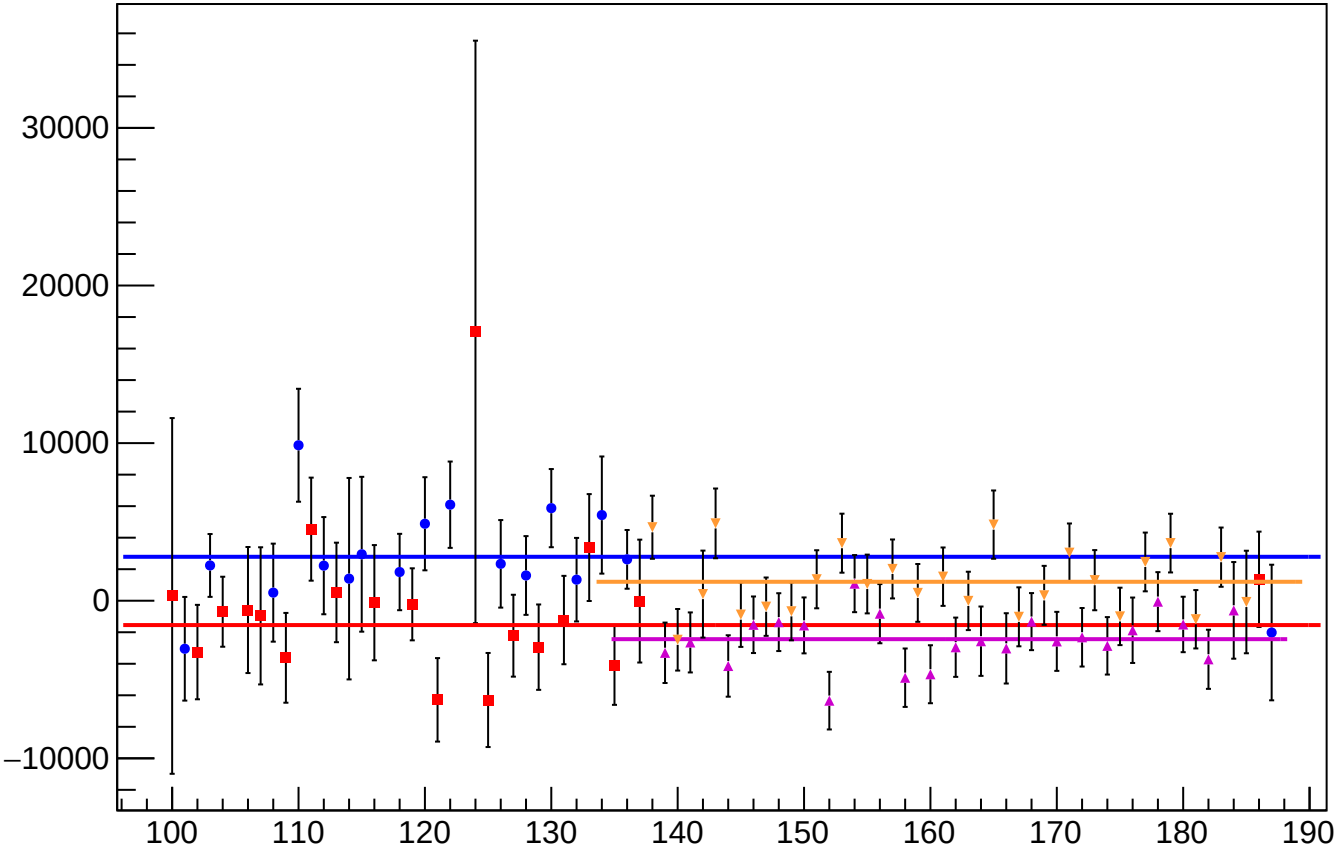
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3112.662+/-0.510 χ^2/NDF: 15747423.1/41

All: 3035.152+/-0.358 χ^2/NDF: 32098874.2/8

- sign 2960.119+/-0.502 χ^2/NDF: 16306005.8/42

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2787.650+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1544.789+/-688.291 χ^2/NDF: 16.8/19

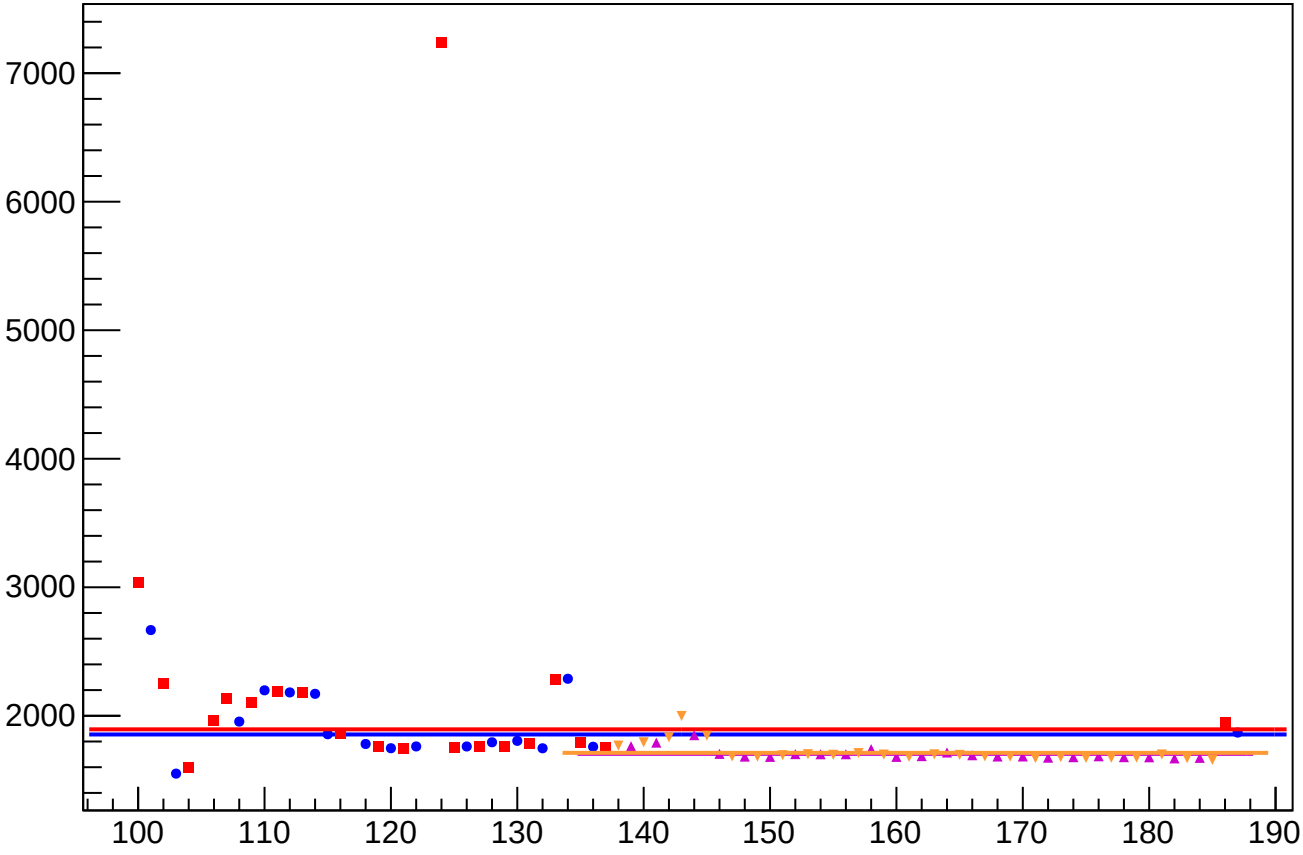
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1588.107+/-338.492 χ^2/NDF: 44.1/41

All: -279.814+/-241.454 χ^2/NDF: 141.6/84

- sign -2214.909+/-344.525 χ^2/NDF: 35.6/42

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.7/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1894.674+/-0.486 χ^2/NDF: 364880.1/19

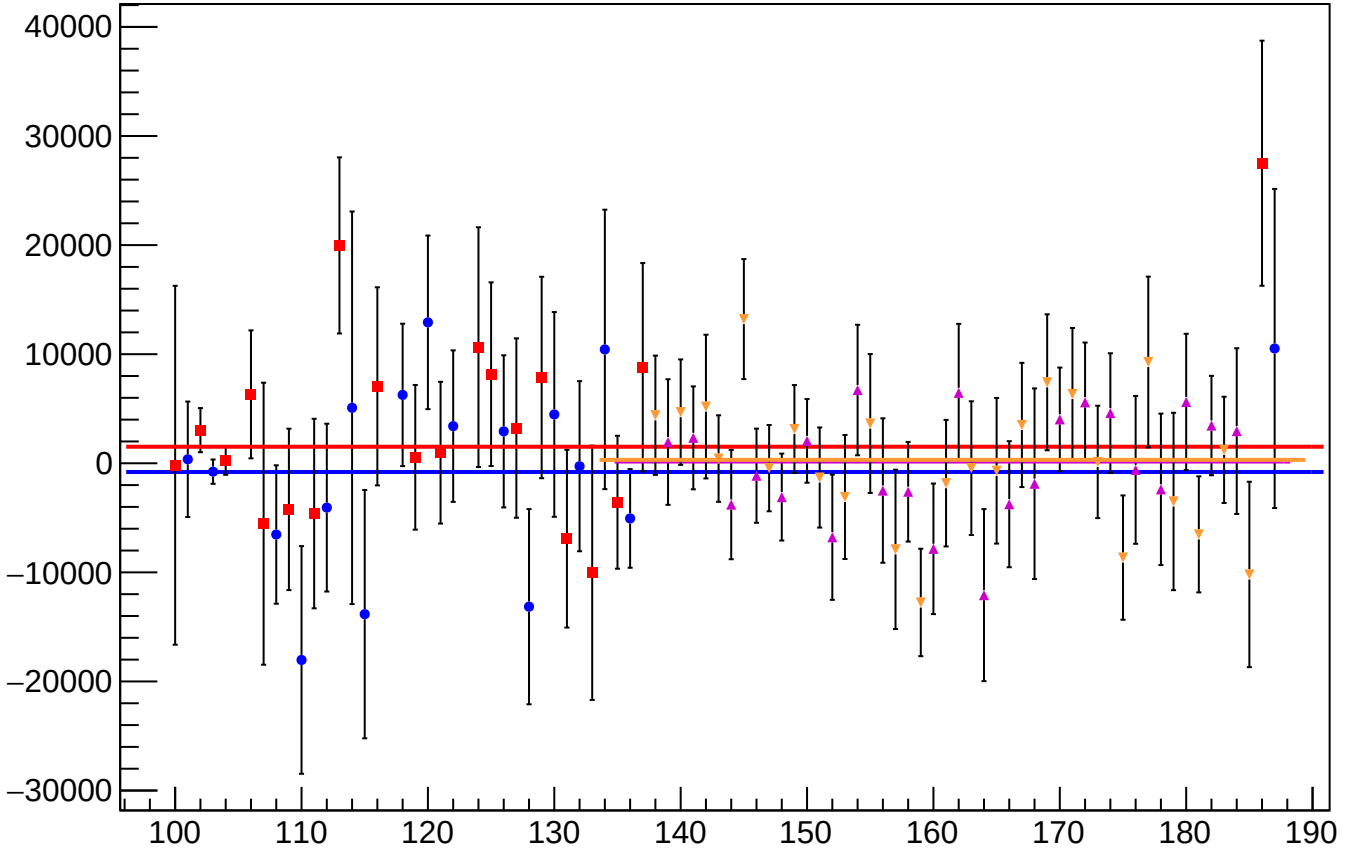
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1746.558+/-0.239 χ^2/NDF: 389070.4/41

All: 1749.180+/-0.171 χ^2/NDF: 892174.5/84

- sign 1751.893+/-0.243 χ^2/NDF: 502859.9/42

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -798.455+/-960.787 χ^2/NDF: 14.5/16

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1516.477+/-944.804 χ^2/NDF: 19.8/19

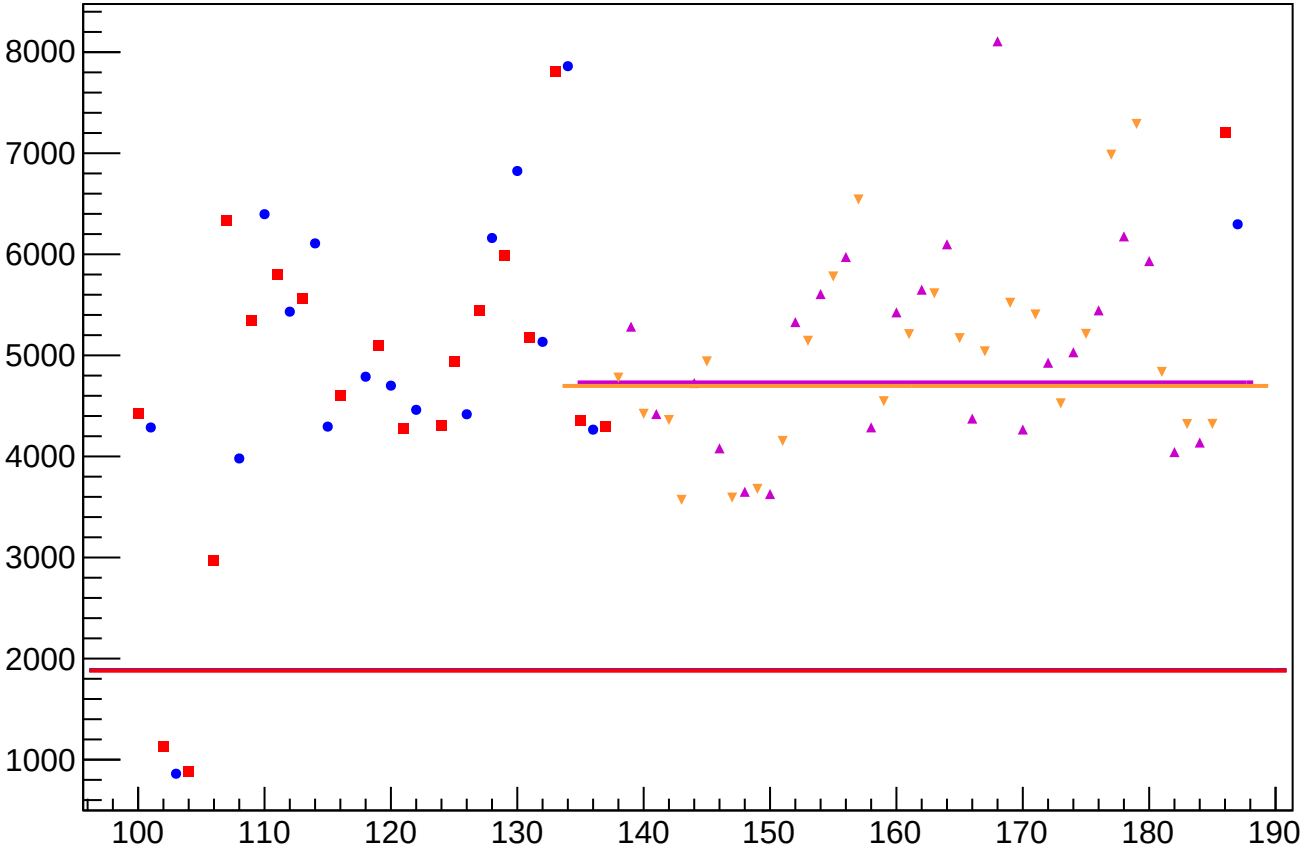
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -312.997+/-721.325 χ^2/NDF: 42.1/41

All: 319.097+/-511.143 χ^2/NDF: 79.0/84

- sign 956.620+/-724.416 χ^2/NDF: 35.4/42

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 1885.366+/-0.679 χ^2/NDF: 7032766.0/16

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1880.818+/-0.668 χ^2/NDF: 6911145.8/19

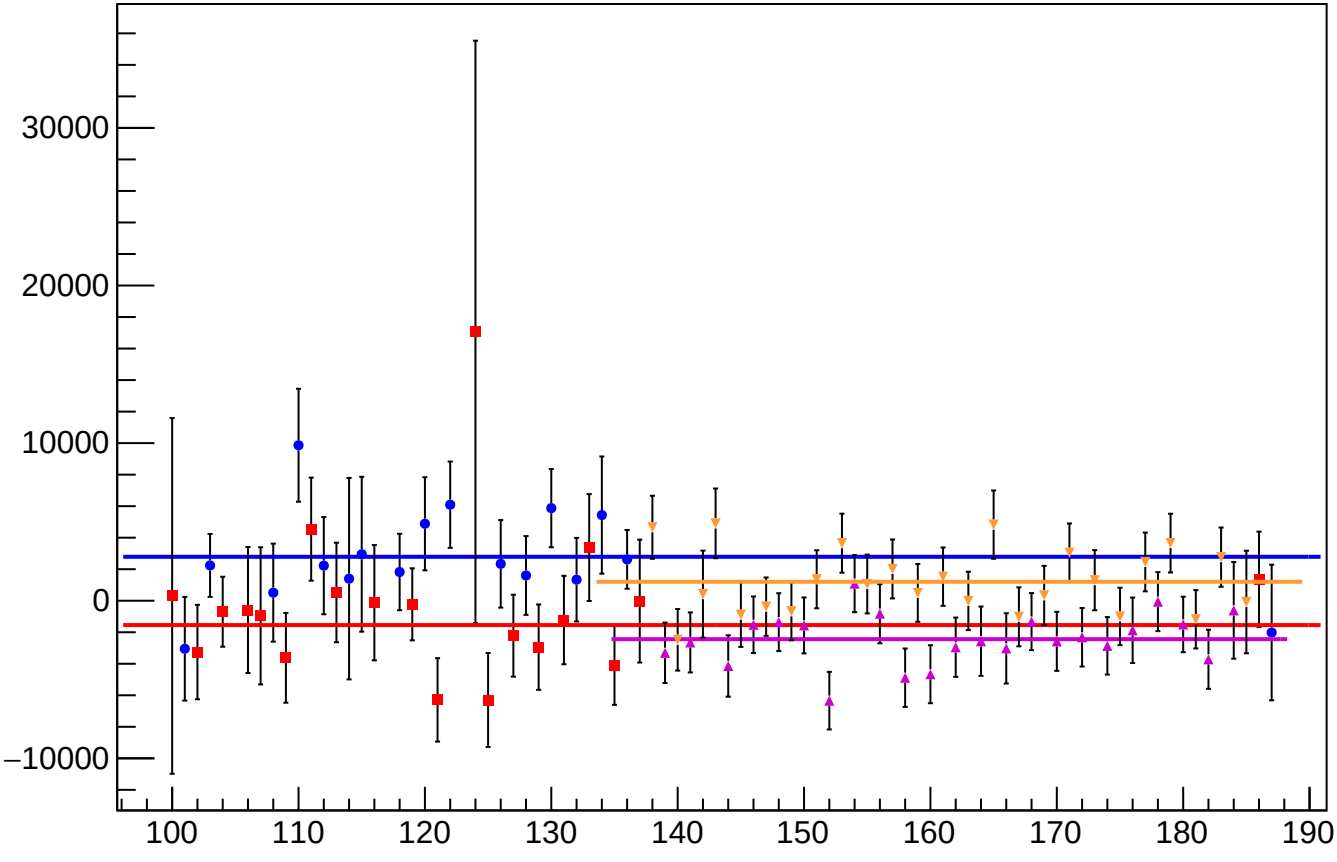
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3112.498+/-0.510 χ^2/NDF: 15749042.0/41

All: 3084.371+/-0.361 χ^2/NDF: 31417413.9/8

- sign 3056.003+/-0.512 χ^2/NDF: 15662264.1/42

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2787.650+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1544.789+/-688.291 χ^2/NDF: 16.8/19

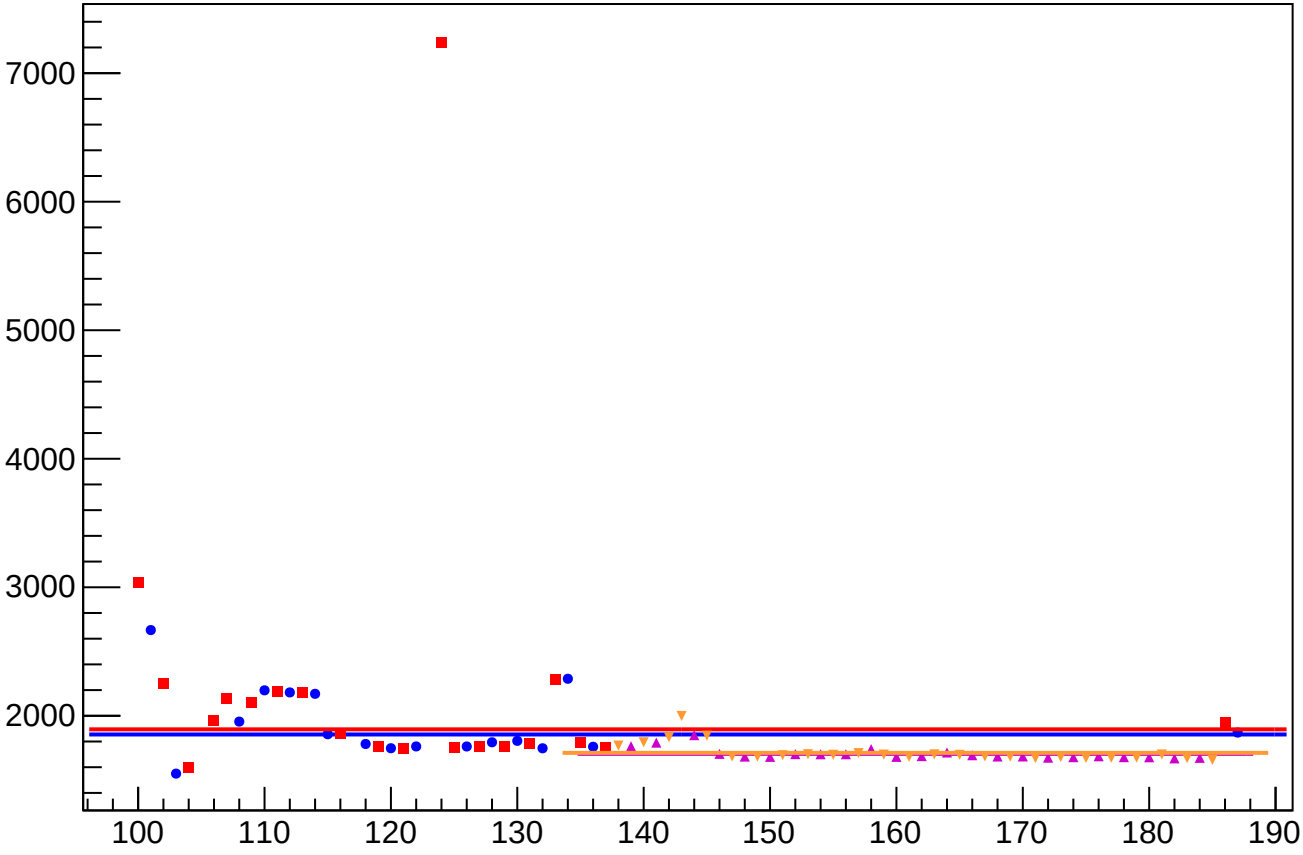
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1588.107+/-338.492 χ^2/NDF: 44.1/41

All: -279.814+/-241.454 χ^2/NDF: 141.6/84

- sign -2214.909+/-344.525 χ^2/NDF: 35.6/42

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.7/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

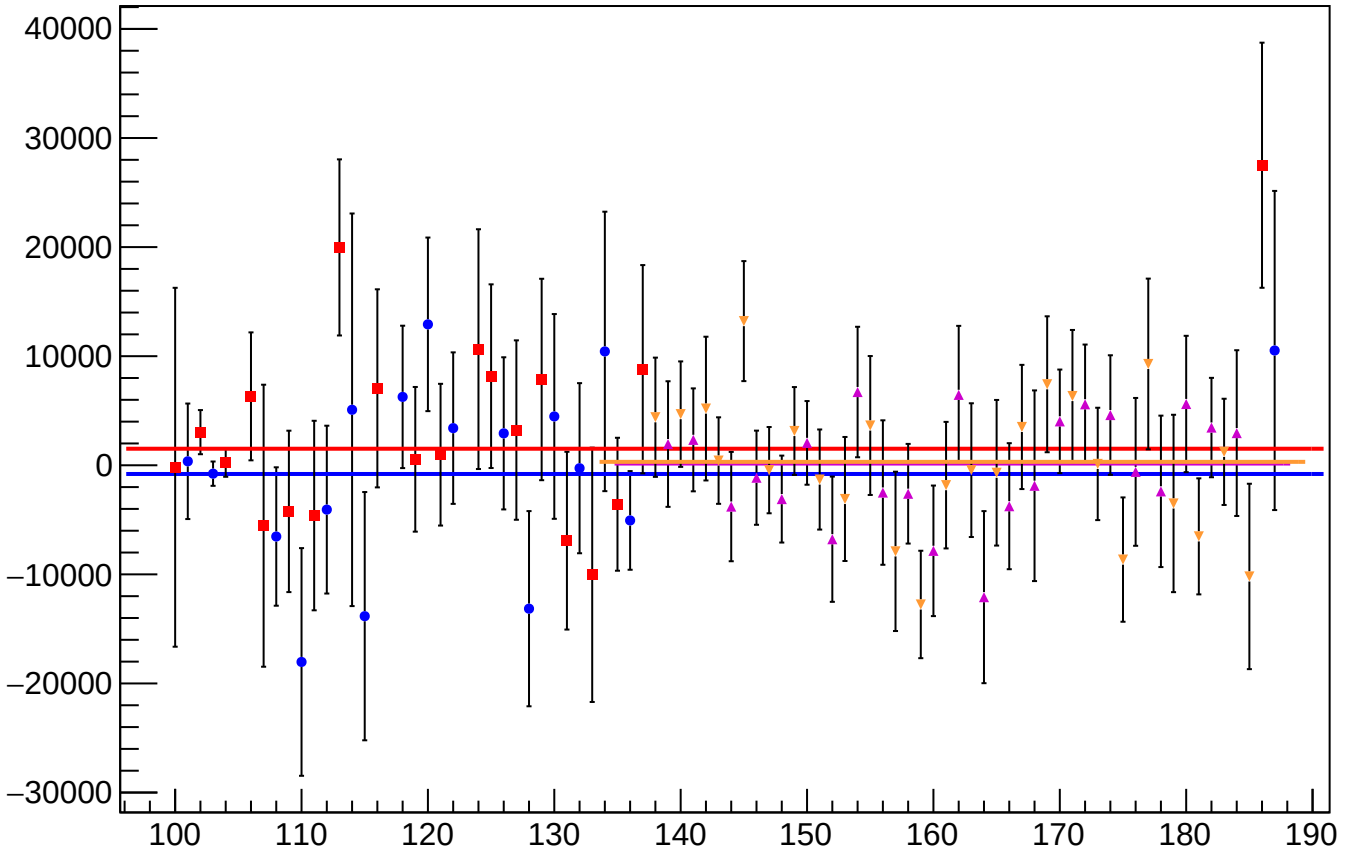
Right Out: 1894.674+/-0.486 χ^2/NDF: 364880.1/19

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1746.558+/-0.239 χ^2/NDF: 389070.4/41

All: 1749.180+/-0.171 χ^2/NDF: 892174.5/84

- sign 1751.893+/-0.243 χ^2/NDF: 502859.9/42



Right In: -798.455+/-960.787 χ^2/NDF: 14.5/16

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

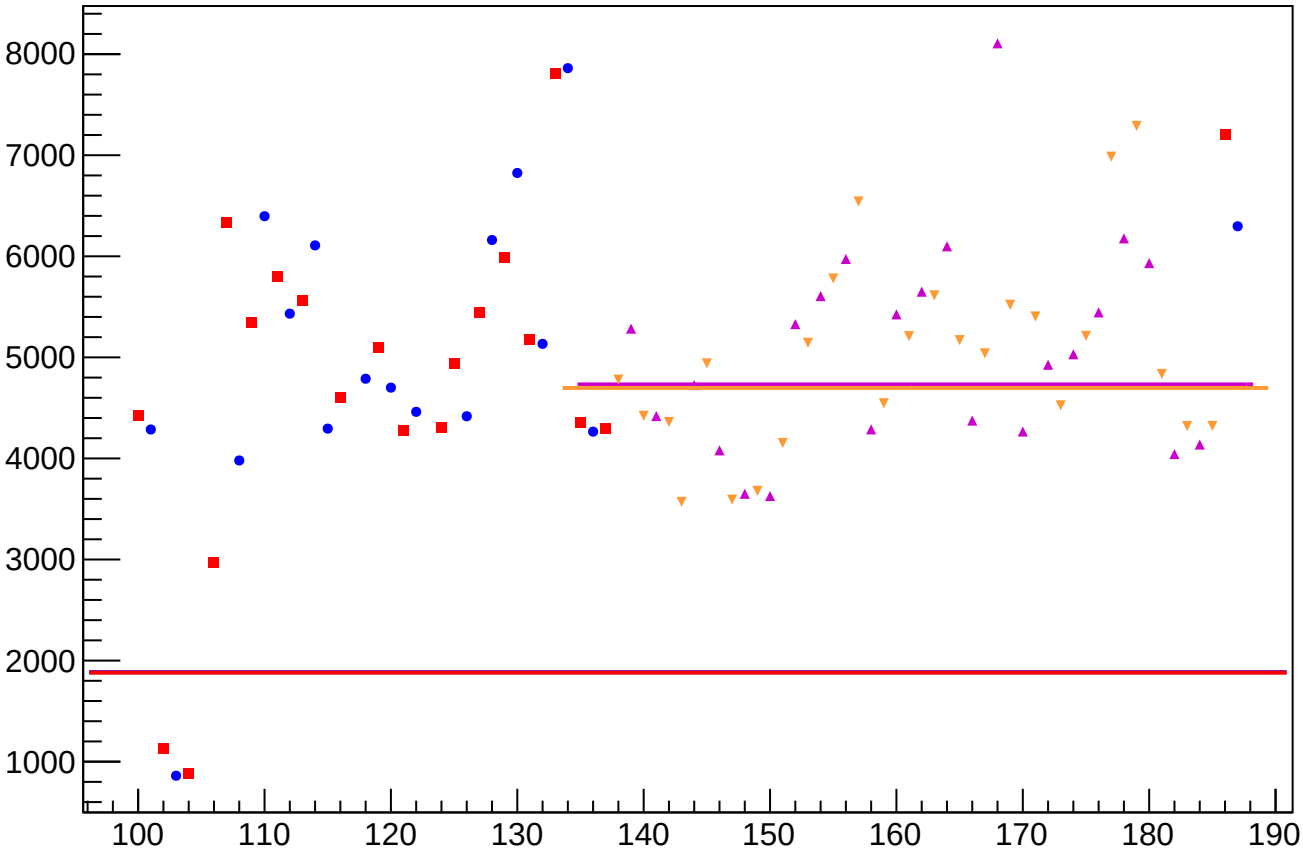
Right Out: 1516.477+/-944.804 χ^2/NDF: 19.8/19

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -312.997+/-721.325 χ^2/NDF: 42.1/41

All: 319.097+/-511.143 χ^2/NDF: 79.0/84

- sign 956.620+/-724.416 χ^2/NDF: 35.4/42



Right In: 1885.366+/-0.679 χ^2/NDF: 7032766.0/16

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1880.818+/-0.668 χ^2/NDF: 6911145.8/19

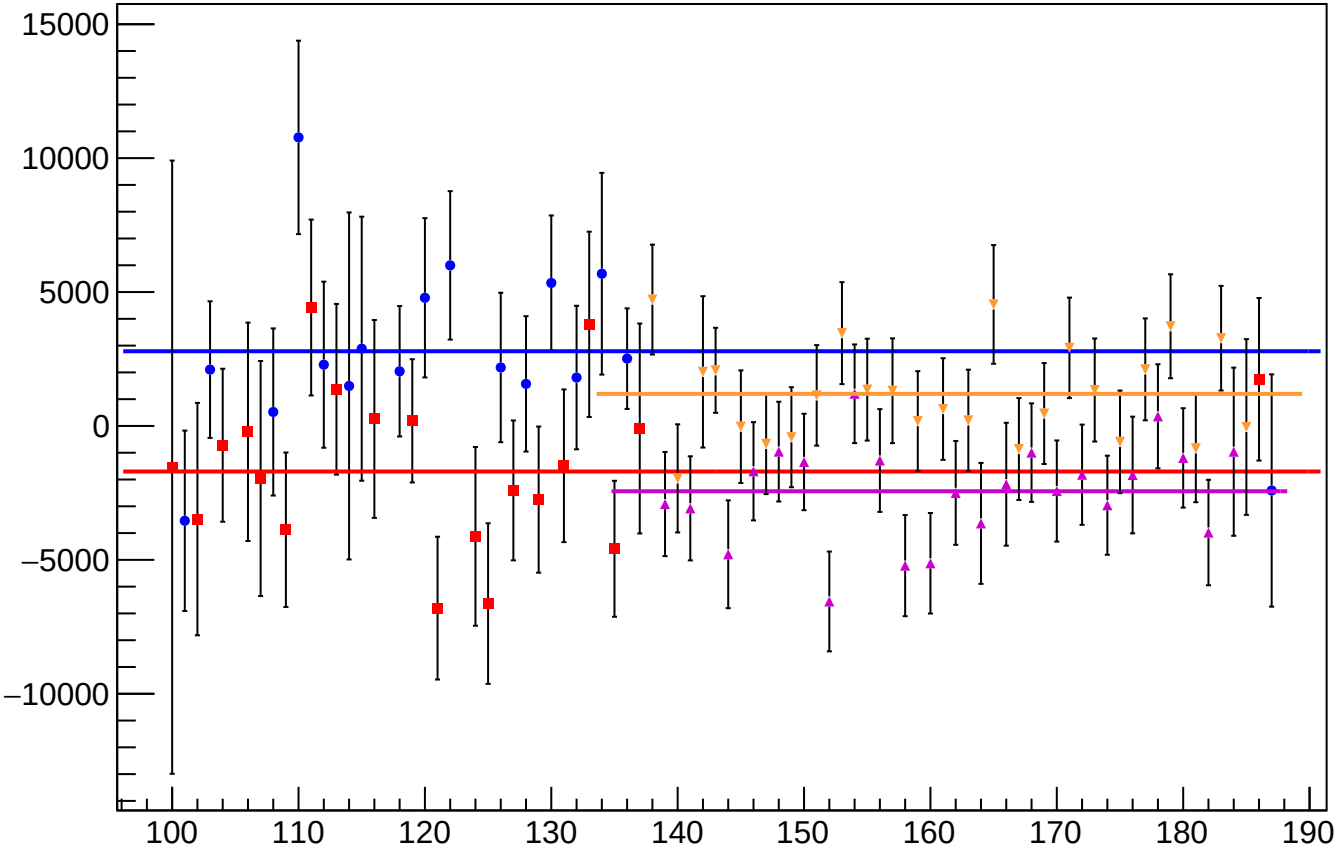
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3112.498+/-0.510 χ^2/NDF: 15749042.0/41

All: 3084.371+/-0.361 χ^2/NDF: 31417413.9/8

- sign 3056.003+/-0.512 χ^2/NDF: 15662264.1/42

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2789.080+/-708.654 χ^2/NDF: 14.5/16

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1700.712+/-702.361 χ^2/NDF: 18.7/19

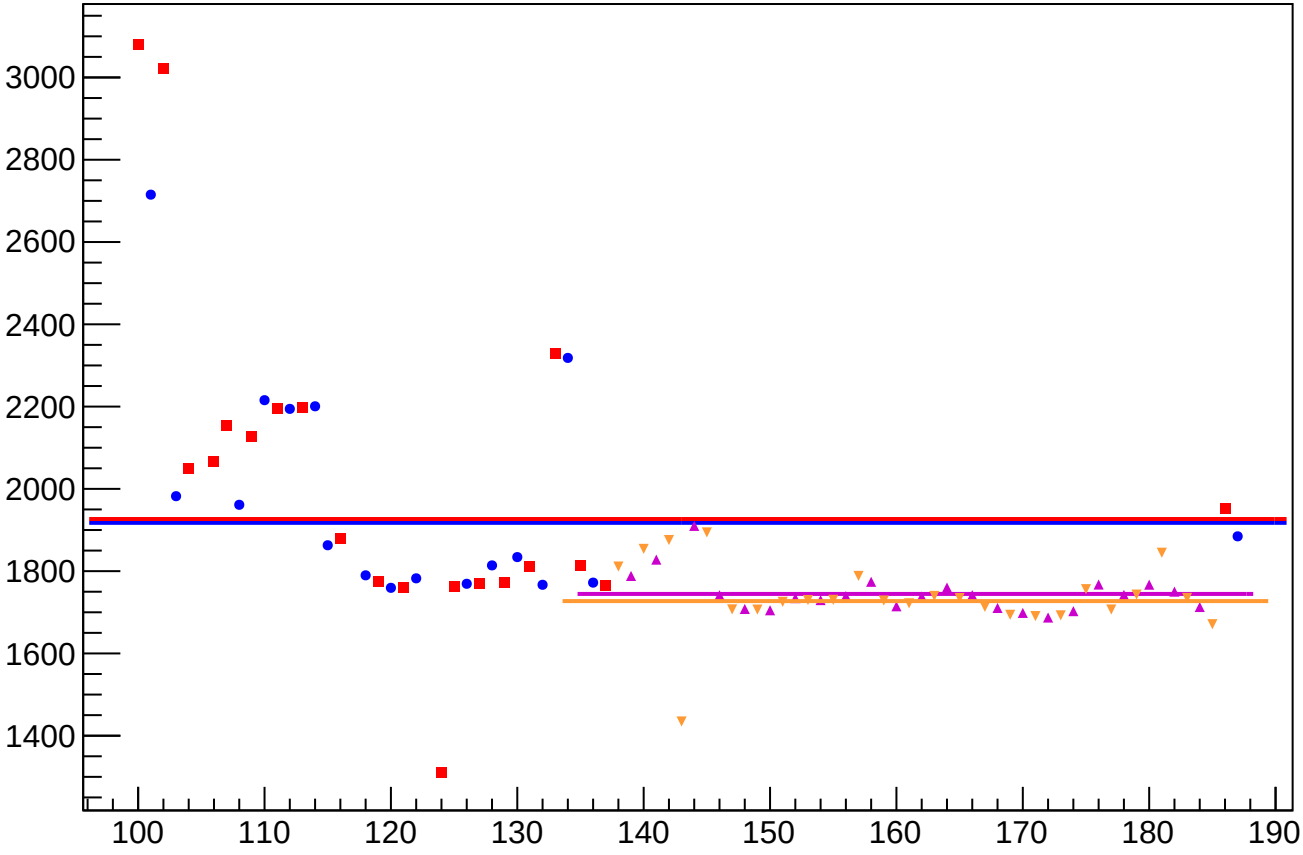
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1571.725+/-343.675 χ^2/NDF: 37.8/41

All: -291.806+/-246.077 χ^2/NDF: 138.3/84

- sign -2252.332+/-352.505 χ^2/NDF: 40.2/42

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1917.467+/-0.501 χ^2/NDF: 215710.4/16

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

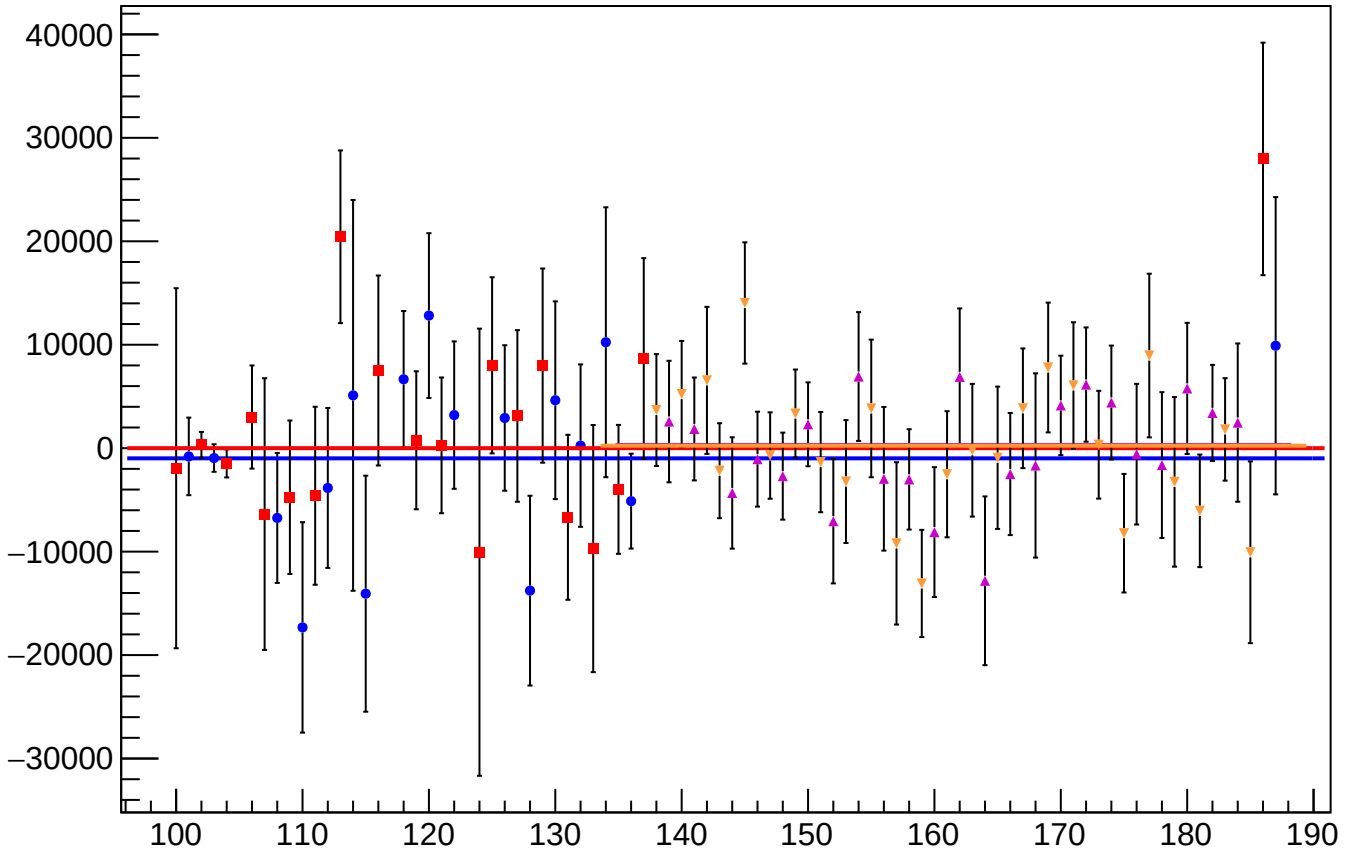
Right Out: 1926.724+/-0.496 χ^2/NDF: 339249.6/19

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1771.976+/-0.243 χ^2/NDF: 436206.4/41

All: 1781.031+/-0.174 χ^2/NDF: 905785.7/84

- sign 1790.553+/-0.249 χ^2/NDF: 466731.2/42



Right In: -981.276+/-1069.432 χ^2/NDF: 14.4/16

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 0.986+/-833.355 χ^2/NDF: 20.0/19

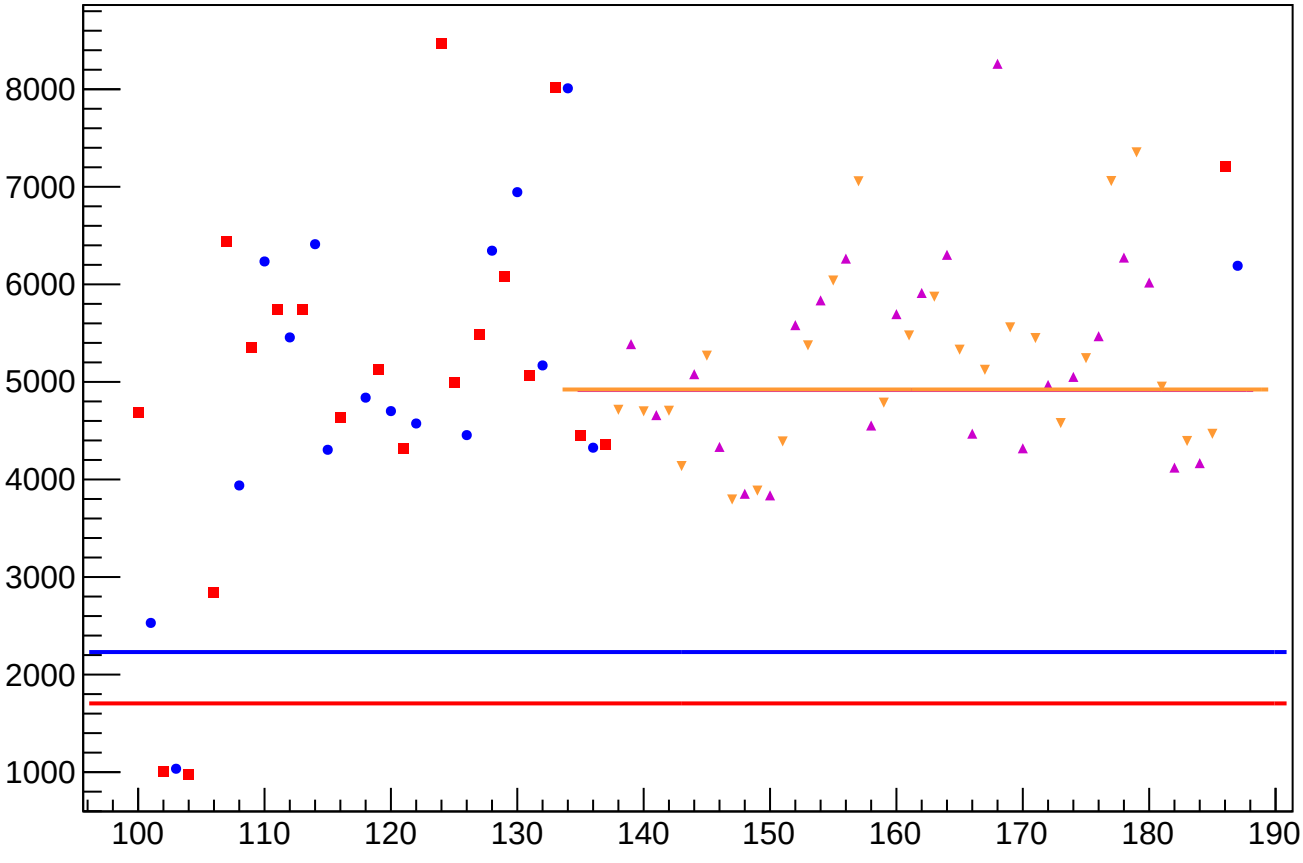
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -409.589+/-780.265 χ^2/NDF: 41.7/41

All: -117.564+/-512.201 χ^2/NDF: 76.5/84

- sign 103.563+/-678.974 χ^2/NDF: 34.5/42

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2230.966+/-0.756 χ^2/NDF: 5651711.2/16

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1704.579+/-0.589 χ^2/NDF: 7335080.2/19

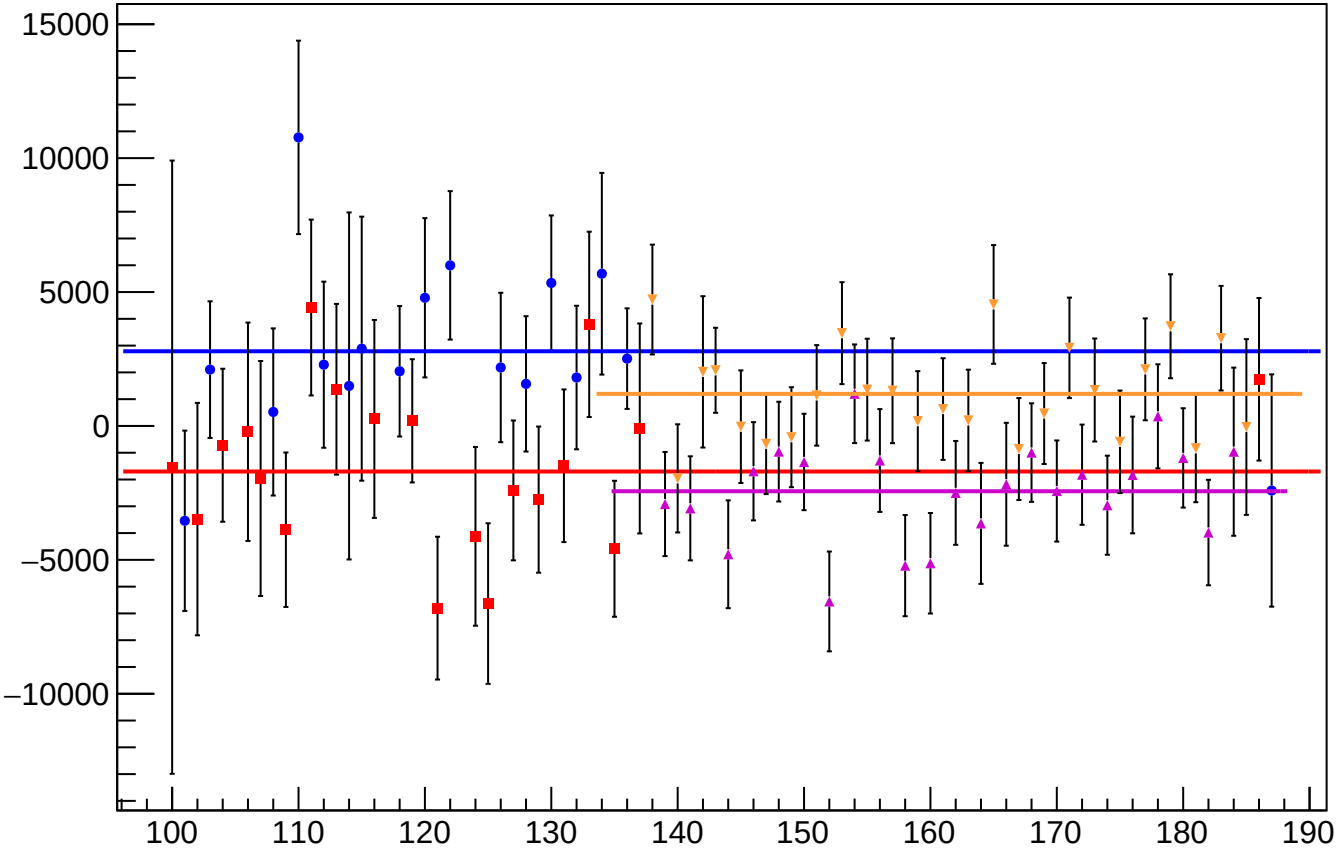
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3489.669+/-0.552 χ^2/NDF: 12626292.3/41

All: 3088.392+/-0.362 χ^2/NDF: 32043433.0/8

- sign 2784.536+/-0.480 χ^2/NDF: 18487614.0/42

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2789.083+/-708.653 χ^2/NDF: 14.5/16

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1700.723+/-702.361 χ^2/NDF: 18.7/19

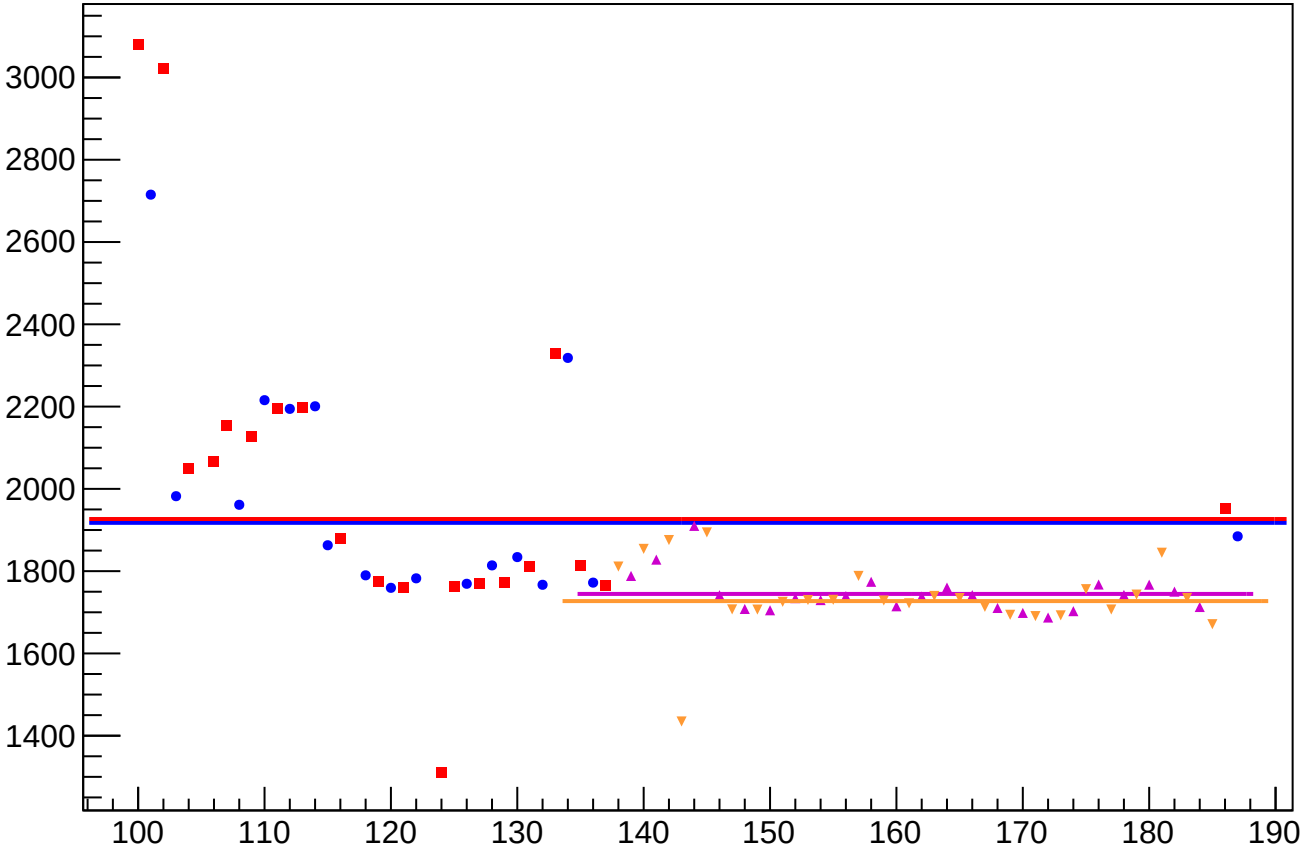
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1571.721+/-343.675 χ^2/NDF: 37.8/41

All: -291.809+/-246.077 χ^2/NDF: 138.3/84

- sign -2252.334+/-352.505 χ^2/NDF: 40.2/42

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1917.466+/-0.501 χ^2/NDF: 215710.4/16

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1926.724+/-0.496 χ^2/NDF: 339248.6/19

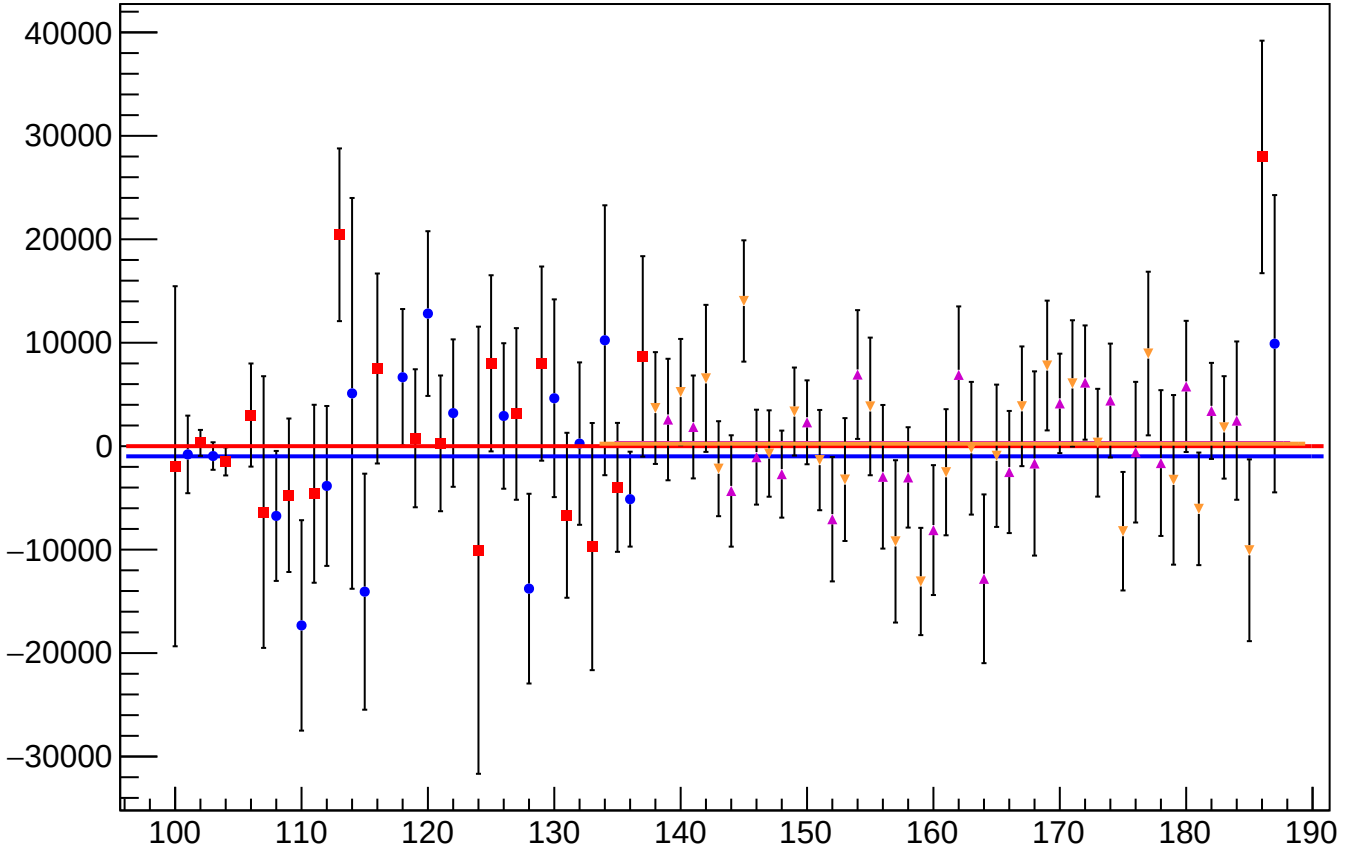
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1771.977+/-0.243 χ^2/NDF: 436203.8/41

All: 1781.031+/-0.174 χ^2/NDF: 905780.7/84

- sign 1790.553+/-0.249 χ^2/NDF: 466728.8/42

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -981.274+/-1069.431 χ^2/NDF: 14.4/16

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 0.991+/-833.354 χ^2/NDF: 20.0/19

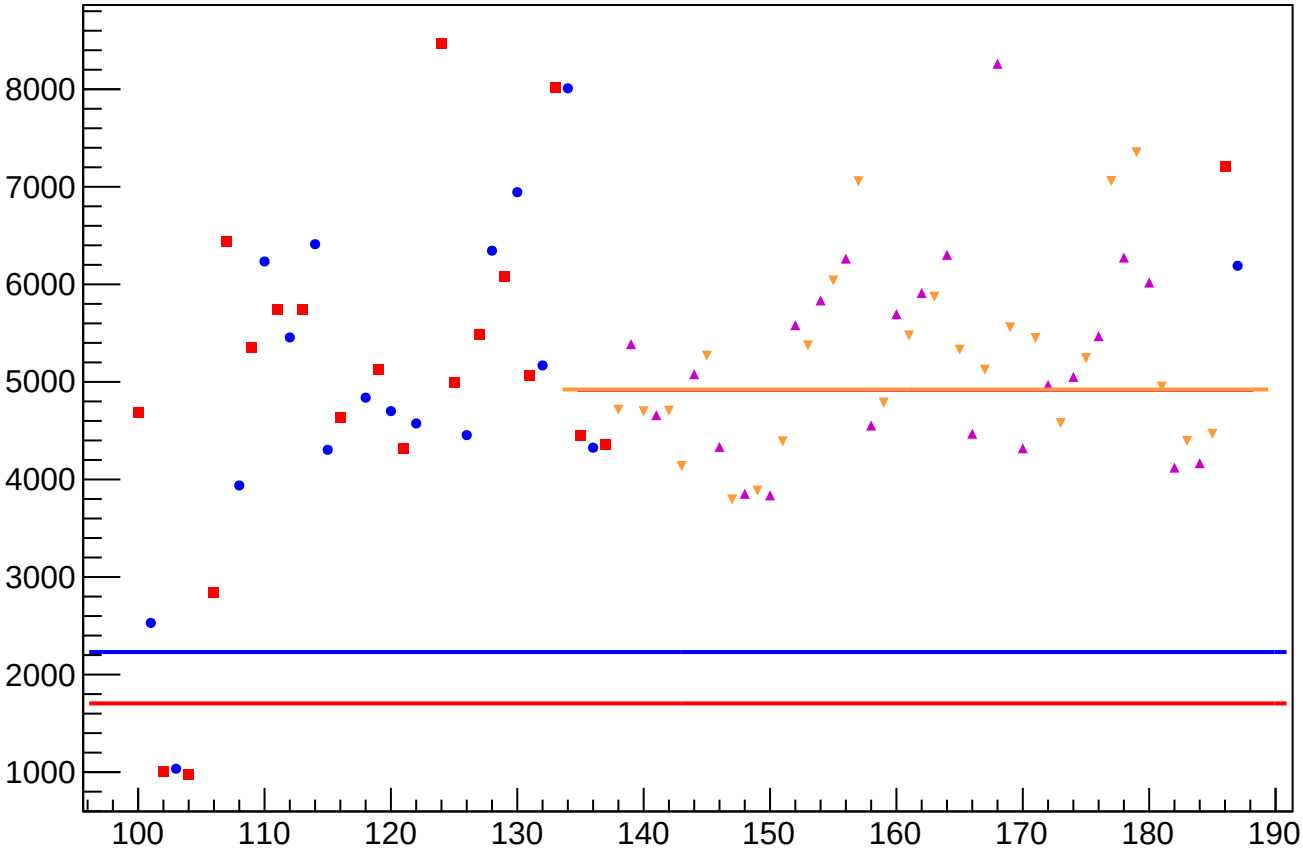
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -409.590+/-780.265 χ^2/NDF: 41.7/41

All: -117.562+/-512.201 χ^2/NDF: 76.5/84

- sign 103.567+/-678.974 χ^2/NDF: 34.5/42

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2230.965+/-0.756 χ^2/NDF: 5651704.4/16

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1704.579+/-0.589 χ^2/NDF: 7335071.4/19

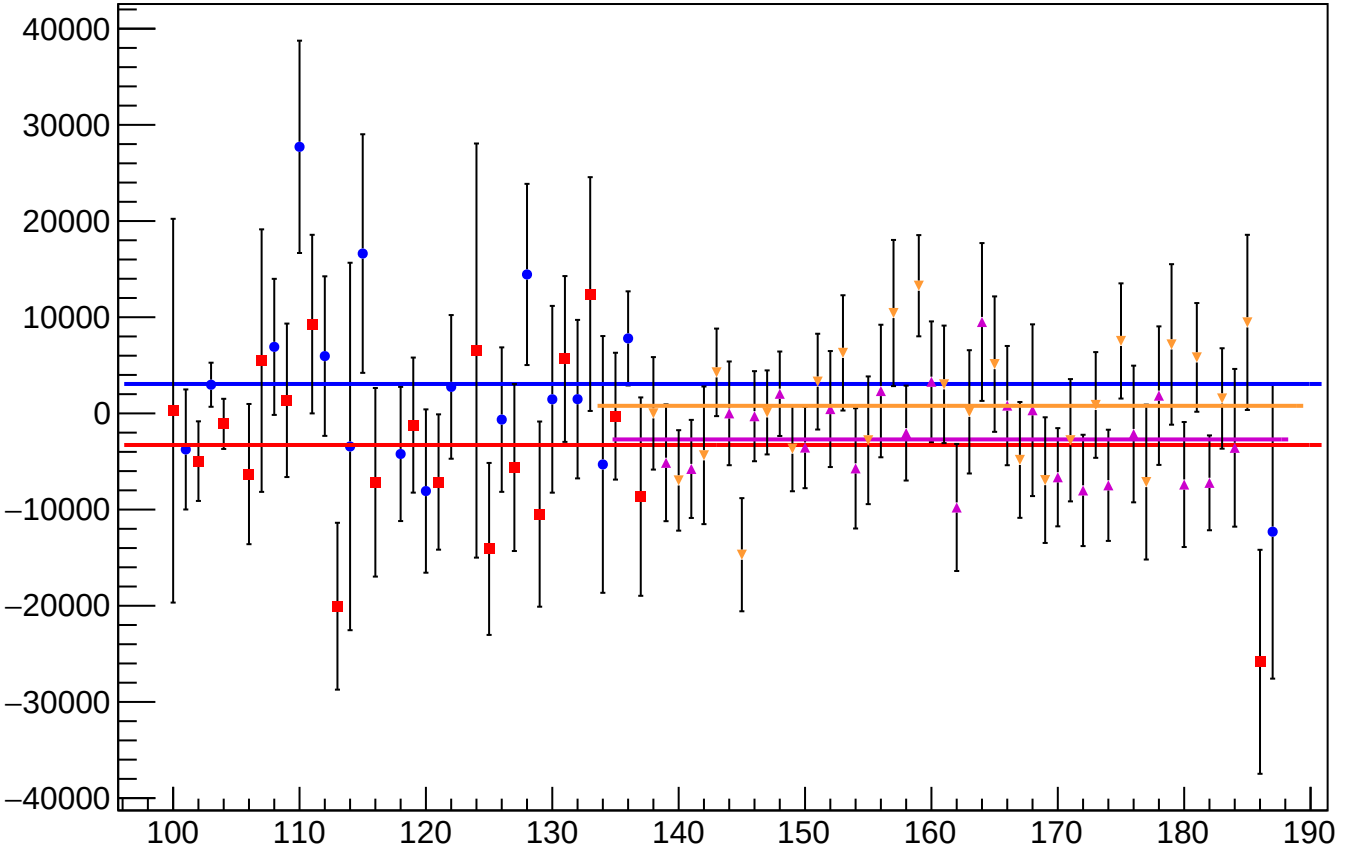
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

\+ sign 3489.670+/-0.552 χ^2/NDF: 12626320.0/41

All: 3088.391+/-0.362 χ^2/NDF: 32043488.9/8

\- sign 2784.535+/-0.480 χ^2/NDF: 18487640.4/42

asym_atl1r2_avg_mean vs Slug



Right In: 3059.717+/-1531.506 χ^2/NDF: 14.8/16

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3283.942+/-1538.513 χ^2/NDF: 17.2/19

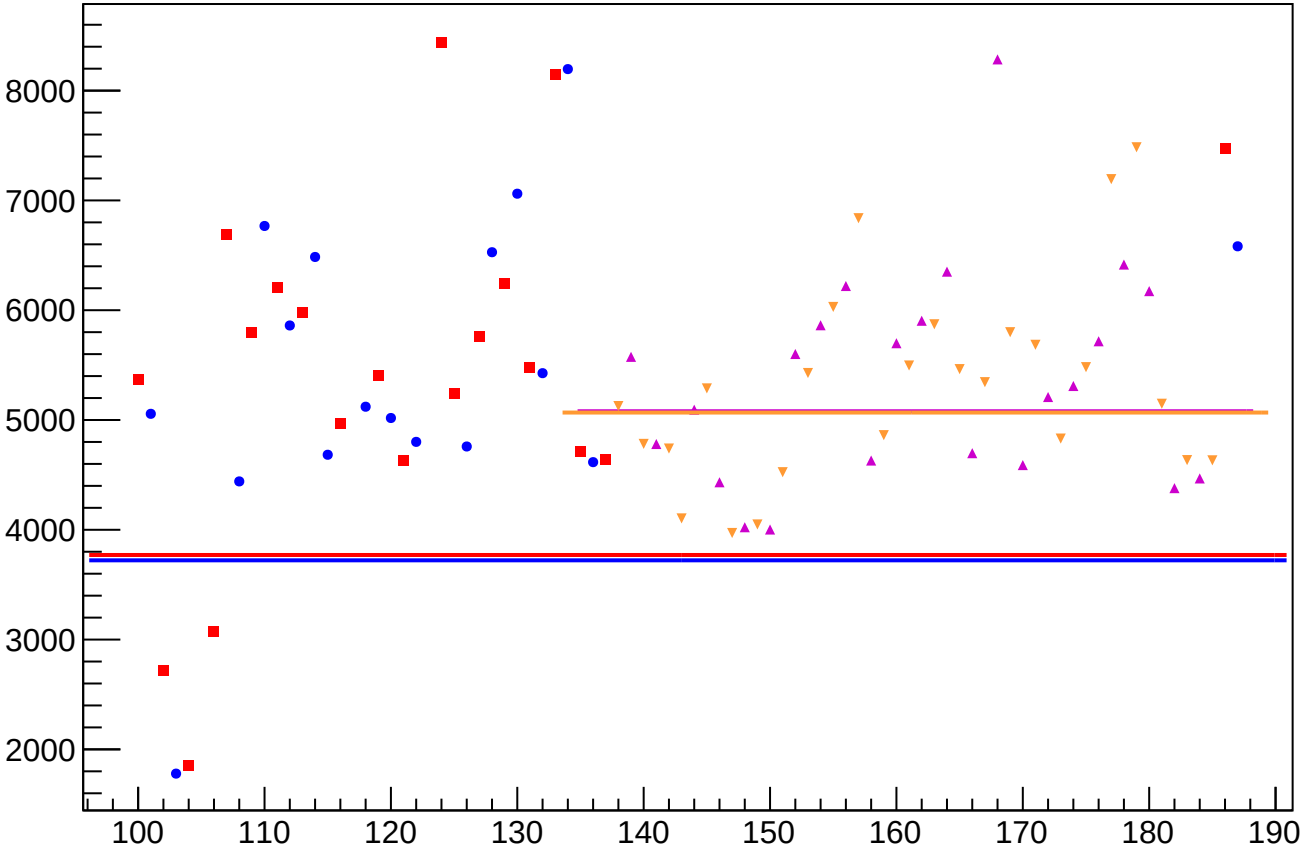
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1626.965+/-930.721 χ^2/NDF: 43.8/41

All: -604.434+/-664.585 χ^2/NDF: 84.7/84

- sign -2925.737+/-949.285 χ^2/NDF: 29.2/42

asym_atl1r2_avg_rms vs Slug



Right In: 3721.856+/-1.083 χ^2/NDF: 2956484.6/16

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 3770.553+/-1.077 χ^2/NDF: 2890226.3/19

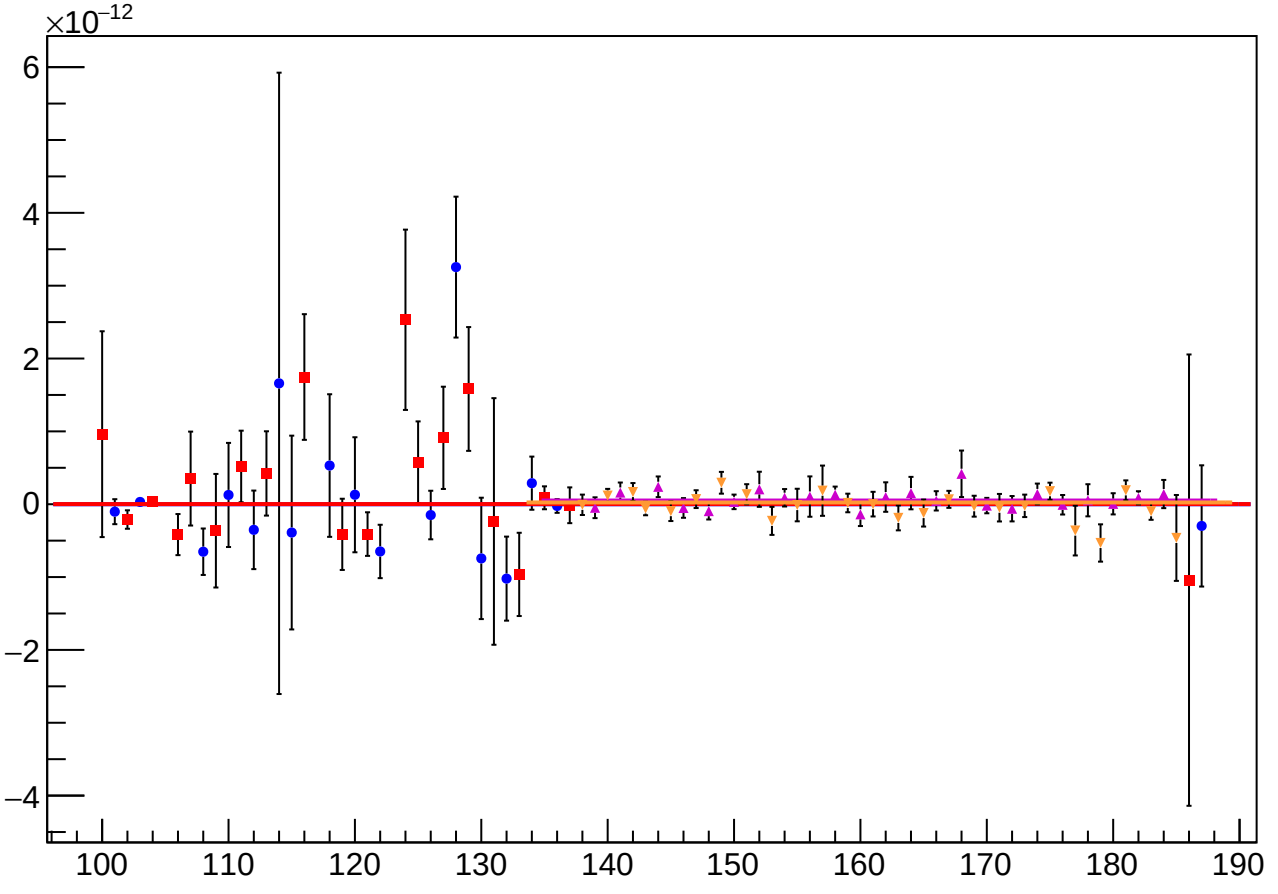
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

\+ sign 4570.780+/-0.658 χ^2/NDF: 4885098.4/41

All: 4572.958+/-0.469 χ^2/NDF: 9684395.3/84

\- sign 4575.208+/-0.669 χ^2/NDF: 4799274.6/42

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

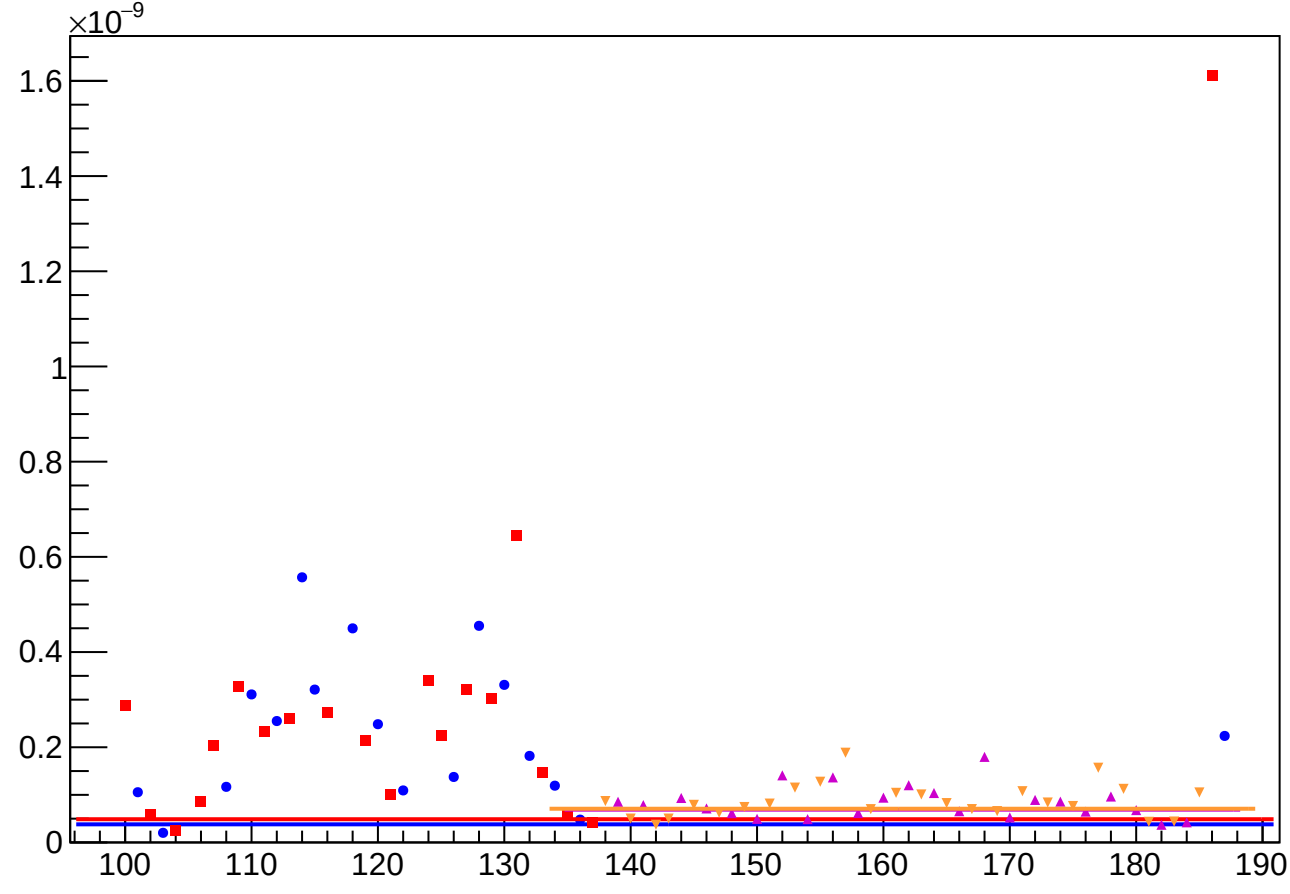
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/19

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.4/41

All: 0.000+/-0.000 χ^2/NDF: 90.0/84

- sign 0.000+/-0.000 χ^2/NDF: 40.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 3240536.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

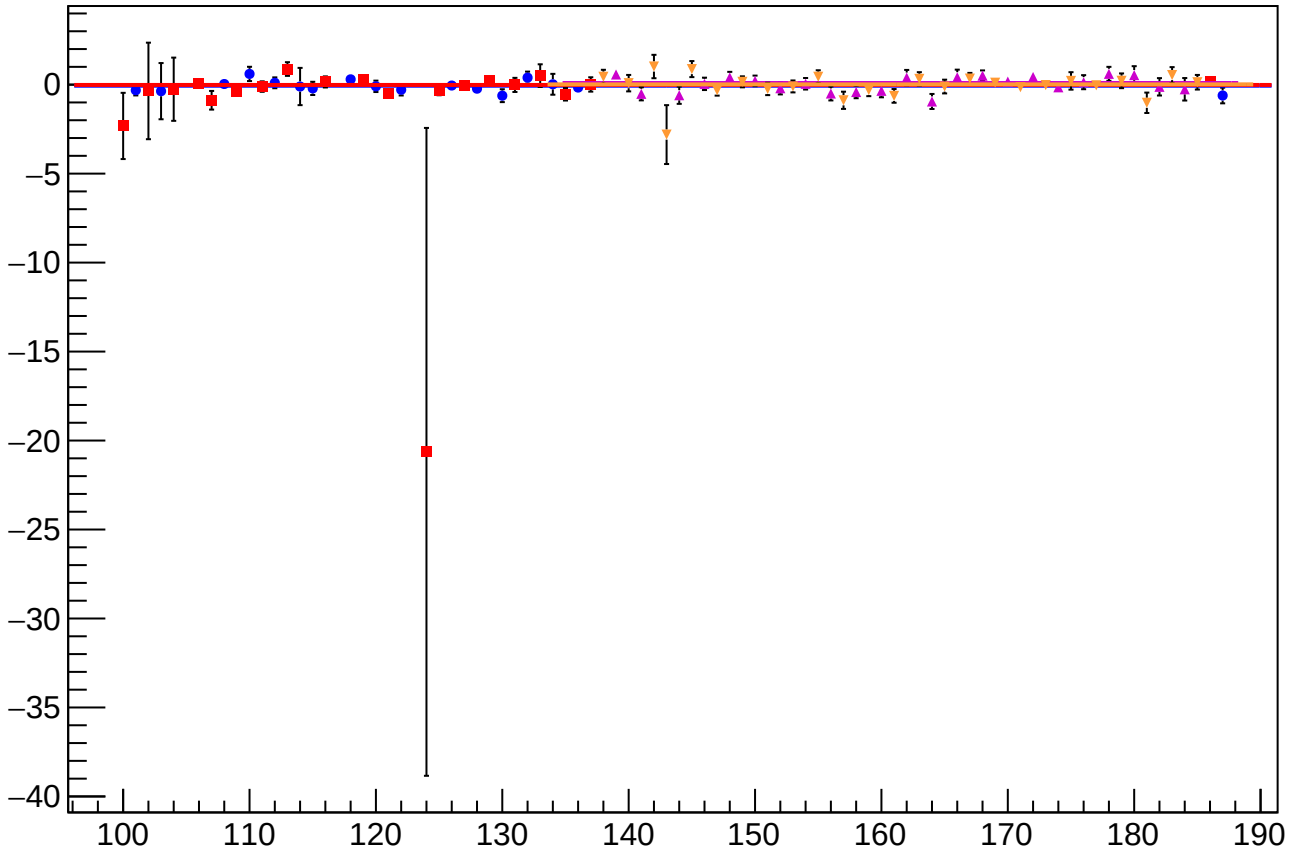
Right Out: 0.000+/-0.000 χ^2/NDF: 3405020.1/19

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5728447.4/41

All: 0.000+/-0.000 χ^2/NDF: 10885255.5/84

- sign 0.000+/-0.000 χ^2/NDF: 5116944.2/42



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.017+/-0.074 χ^2/NDF: 24.3/19

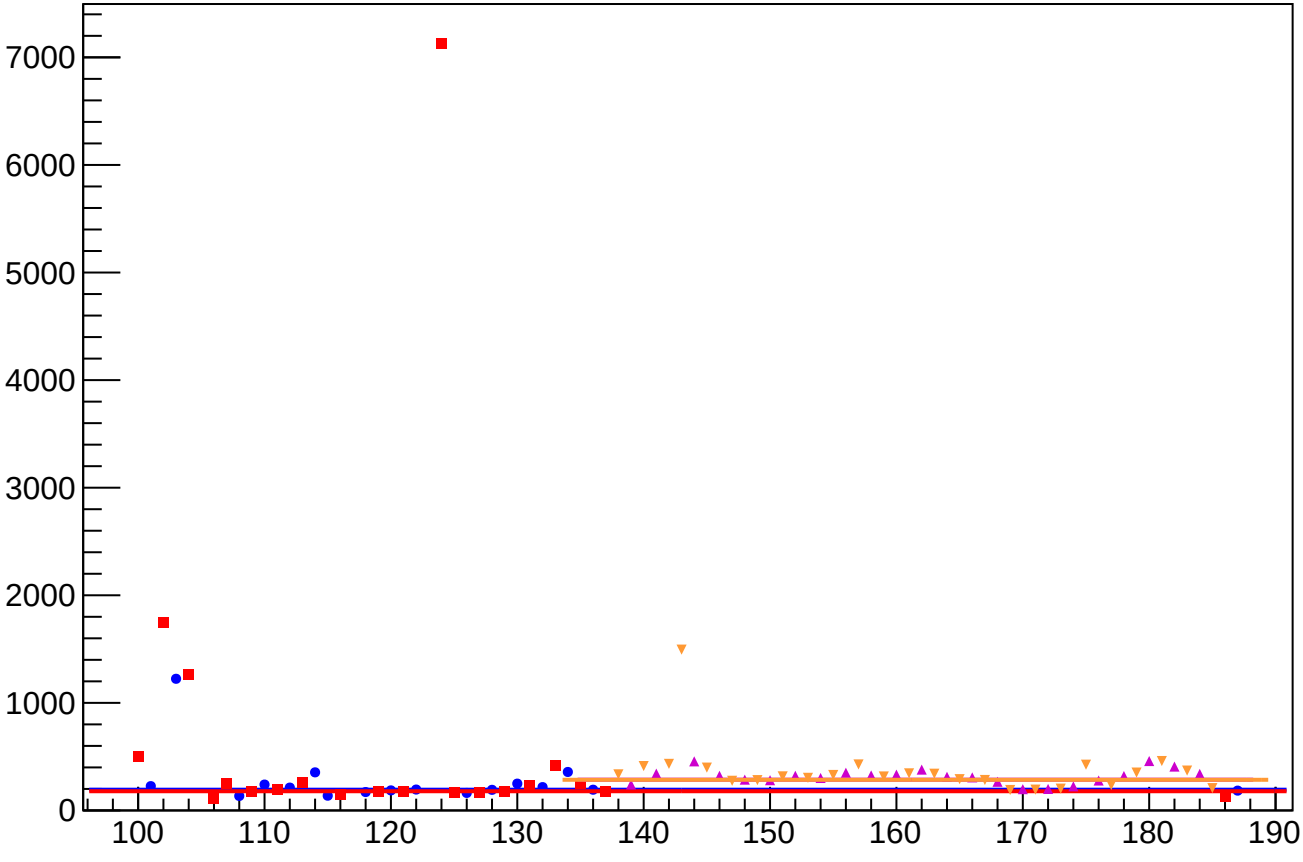
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.019+/-0.052 χ^2/NDF: 42.1/41

All: 0.011+/-0.036 χ^2/NDF: 99.1/84

- sign 0.039+/-0.051 χ^2/NDF: 56.3/42

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 192.978+/-0.054 χ^2/NDF: 1409192.7/16

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

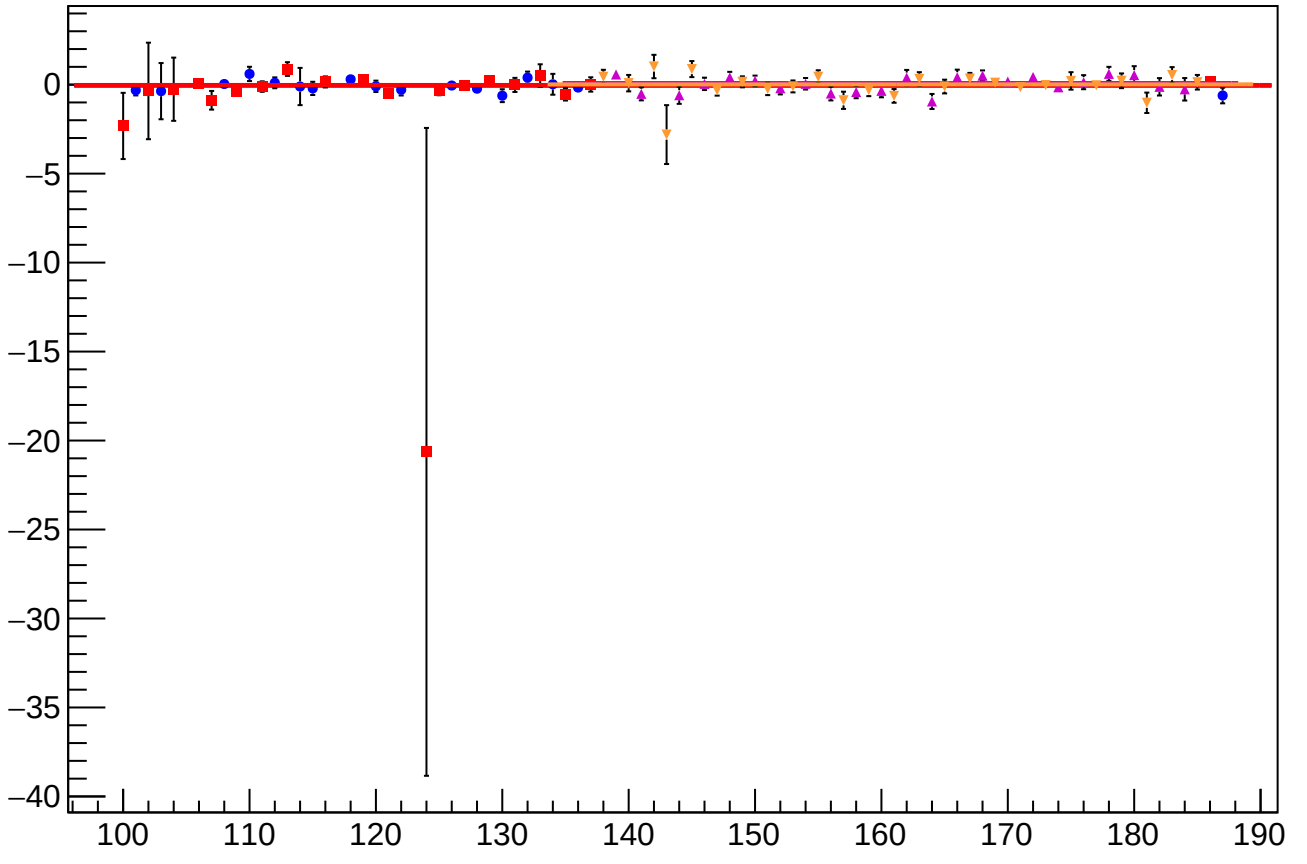
Right Out: 178.592+/-0.052 χ^2/NDF: 2631845.3/19

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.241+/-0.036 χ^2/NDF: 6394707.4/41

All: 238.854+/-0.026 χ^2/NDF: 13018683.6/84

- sign 234.587+/-0.036 χ^2/NDF: 6595444.2/42



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.017+/-0.074 χ^2/NDF: 24.3/19

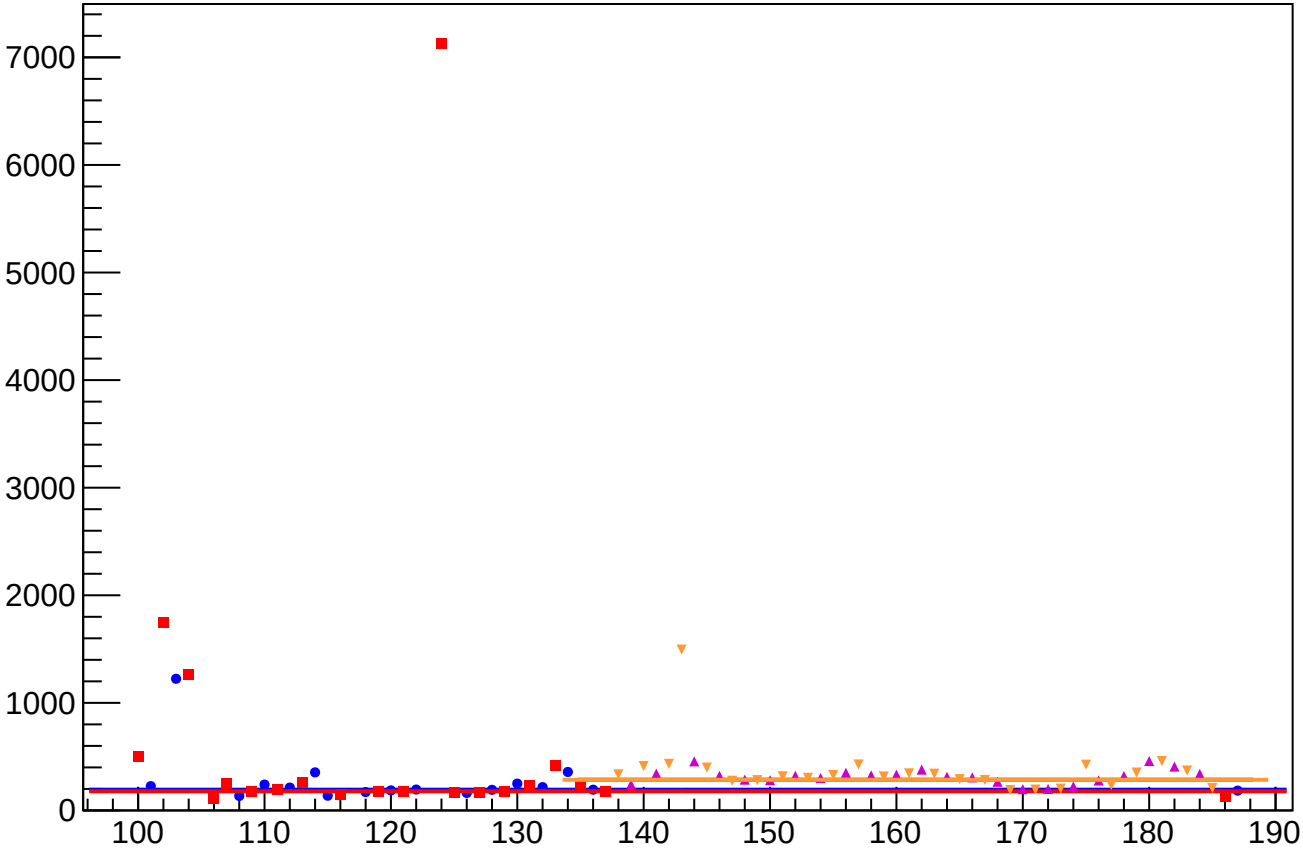
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

\+ sign -0.019+/-0.052 χ^2/NDF: 42.1/41

All: 0.011+/-0.036 χ^2/NDF: 99.1/84

\- sign 0.039+/-0.051 χ^2/NDF: 56.3/42

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.978+/-0.054 χ^2/NDF: 1409192.7/16

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

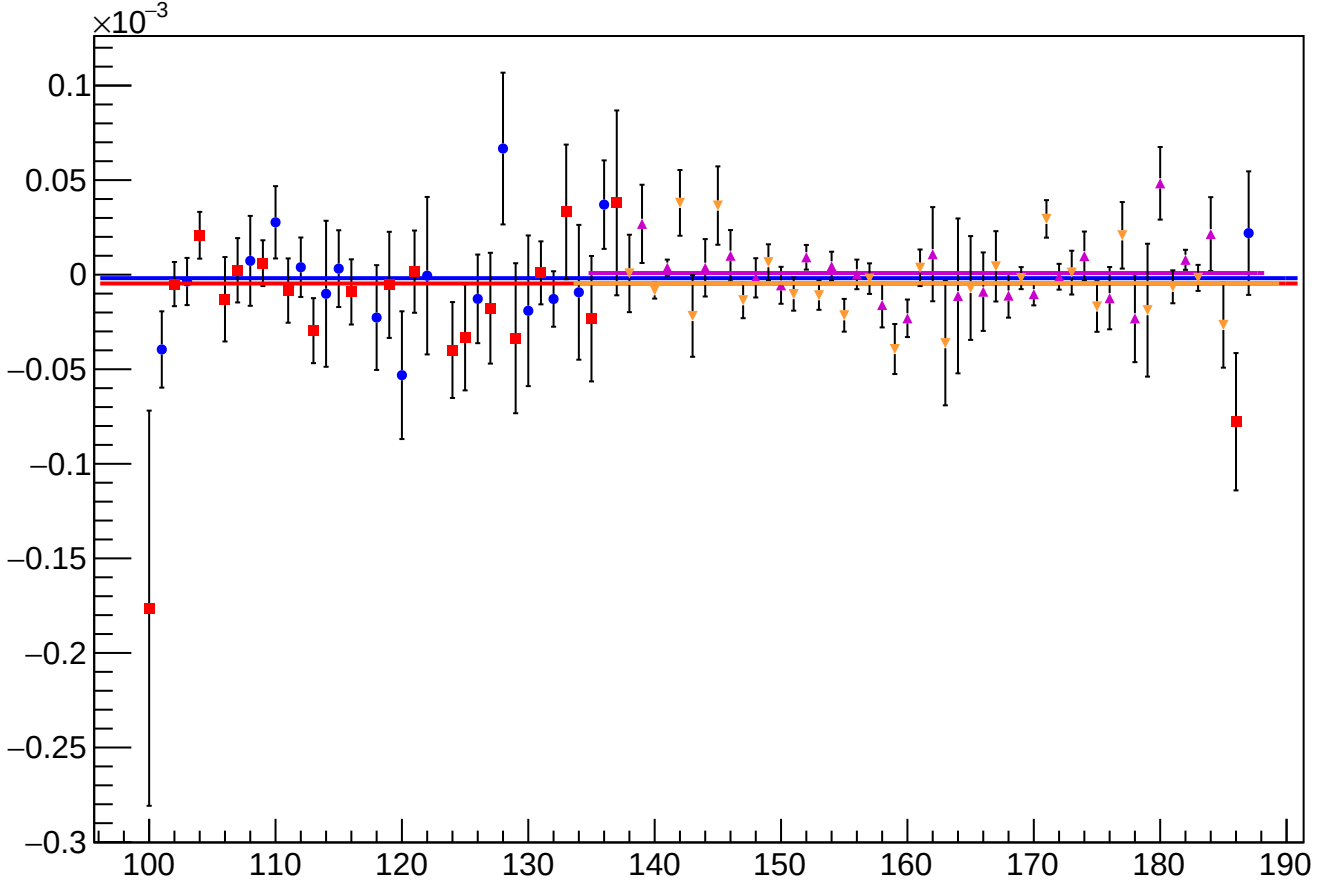
Right Out: 178.592+/-0.052 χ^2/NDF: 2631845.3/19

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 243.241+/-0.036 χ^2/NDF: 6394707.4/41

All: 238.854+/-0.026 χ^2/NDF: 13018683.6/84

- sign 234.587+/-0.036 χ^2/NDF: 6595444.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

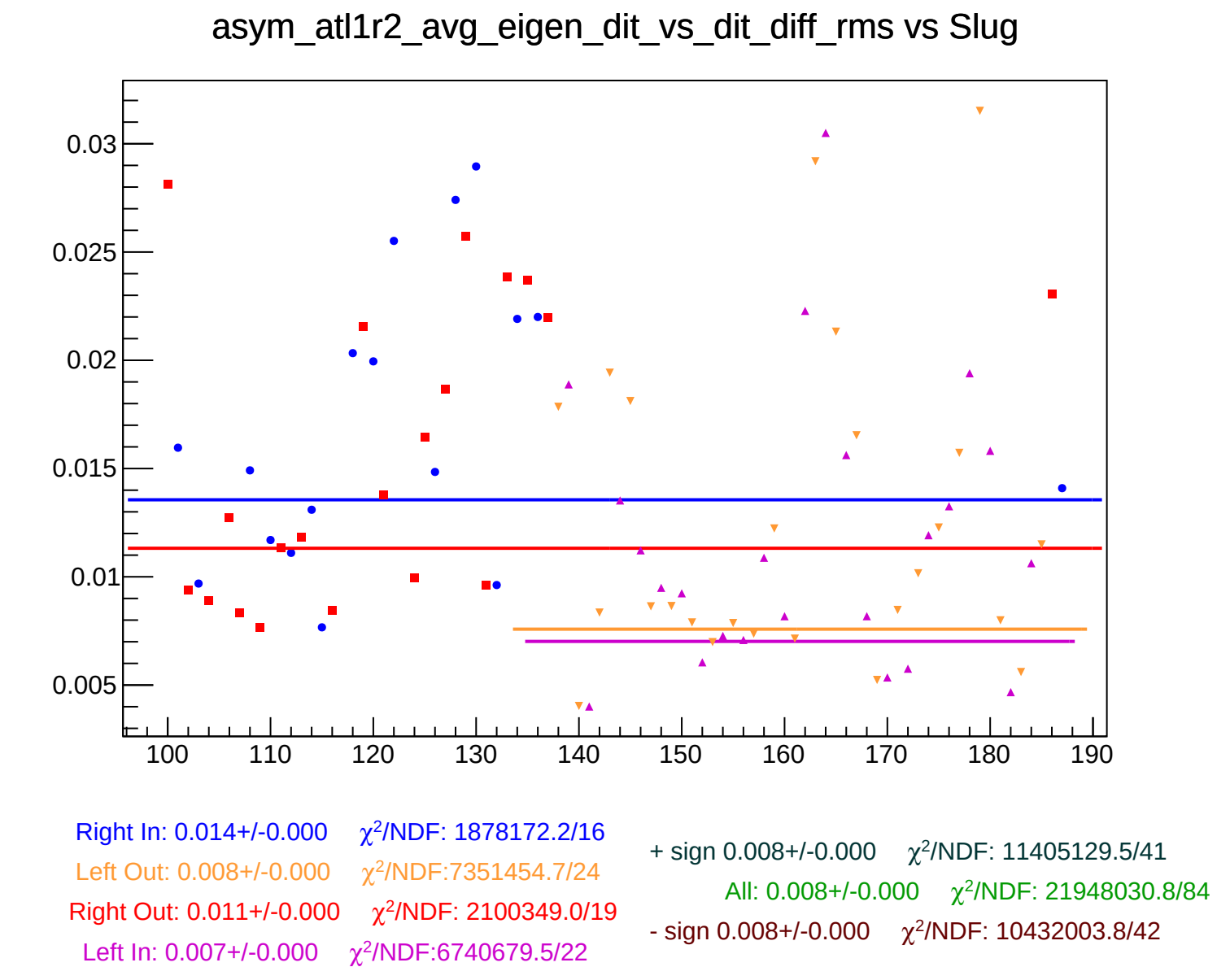
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/19

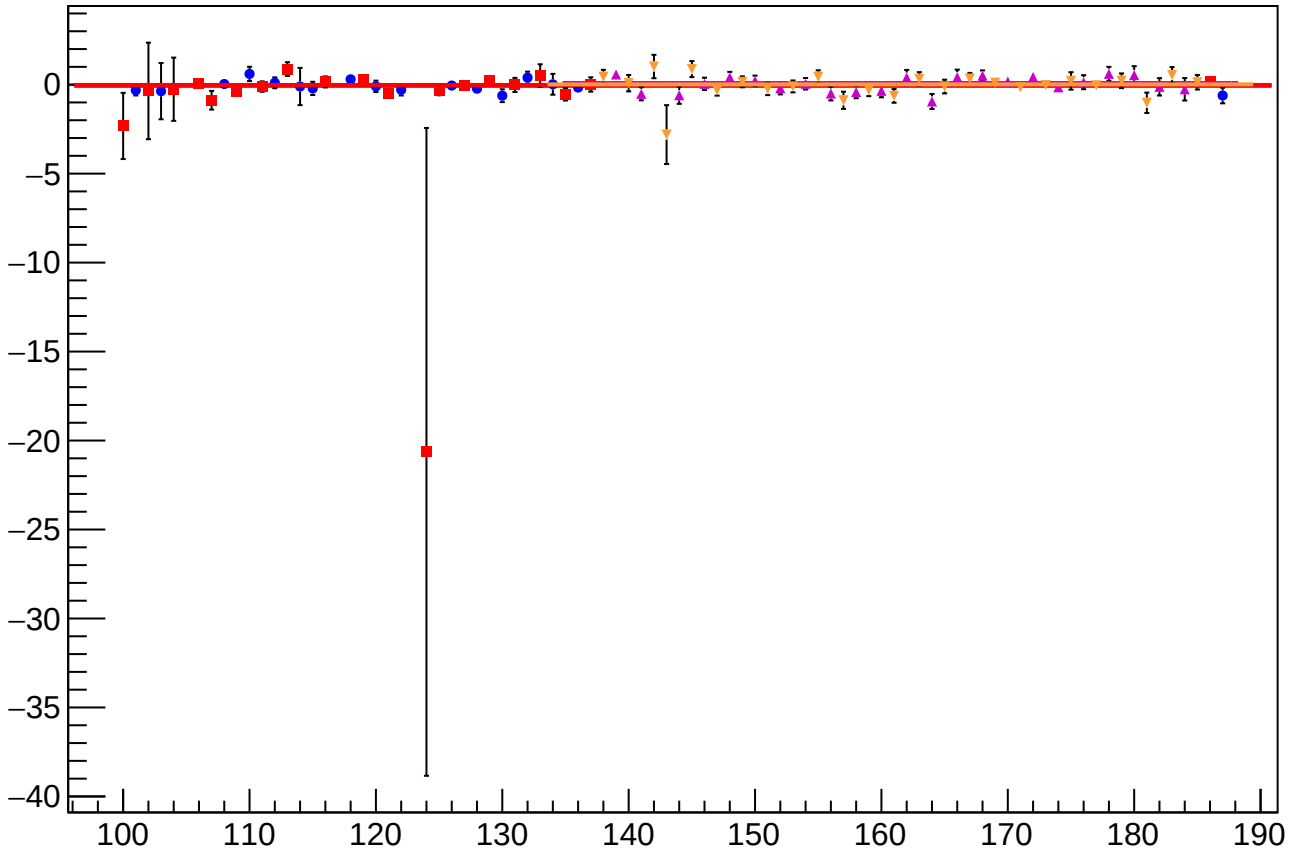
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.5/41

All: -0.000+/-0.000 χ^2/NDF: 113.9/84

- sign 0.000+/-0.000 χ^2/NDF: 50.7/42


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.014+/-0.000 χ²/NDF: 1878172.2/16
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.011+/-0.000 χ²/NDF: 2100349.0/19
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.008+/-0.000 χ²/NDF: 11405129.5/41
All: 0.008+/-0.000 χ²/NDF: 21948030.8/84
- sign 0.008+/-0.000 χ²/NDF: 10432003.8/42



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.017+/-0.074 χ^2/NDF: 24.3/19

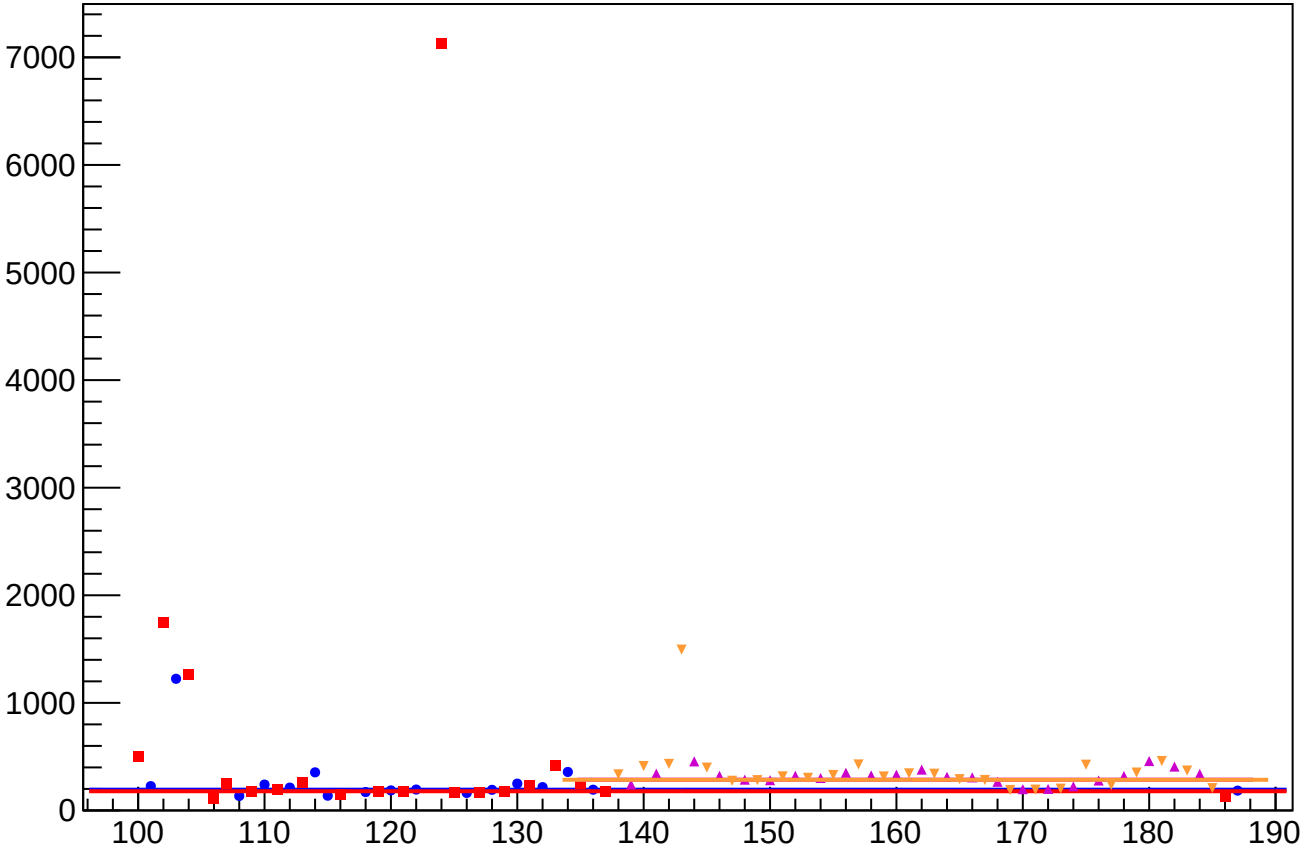
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.019+/-0.052 χ^2/NDF: 42.1/41

All: 0.011+/-0.036 χ^2/NDF: 99.1/84

- sign 0.039+/-0.051 χ^2/NDF: 56.3/42

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.977+/-0.054 χ^2/NDF: 1409186.7/16

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

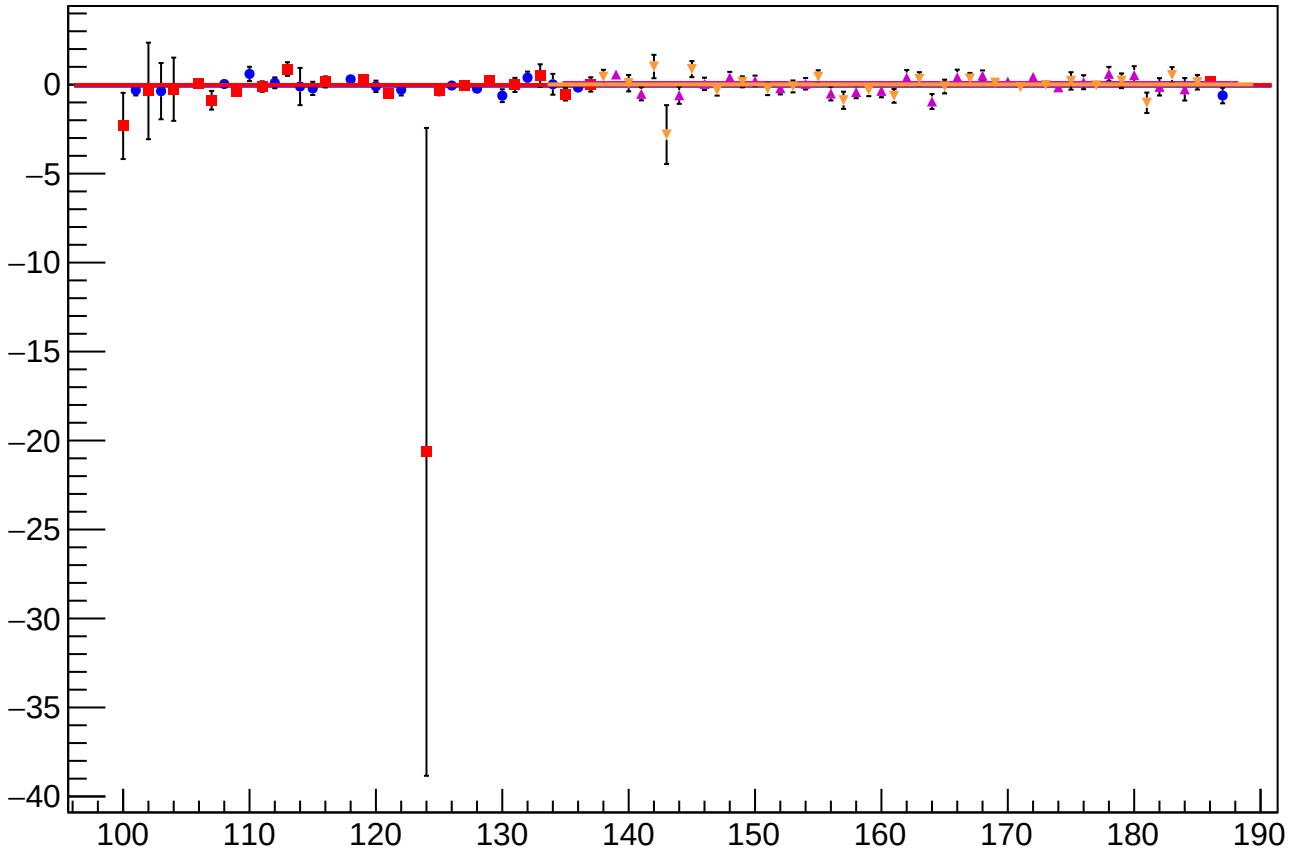
Right Out: 178.592+/-0.052 χ^2/NDF: 2631836.0/19

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.241+/-0.036 χ^2/NDF: 6394883.8/41

All: 238.854+/-0.026 χ^2/NDF: 13019023.4/84

- sign 234.587+/-0.036 χ^2/NDF: 6595608.6/42



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

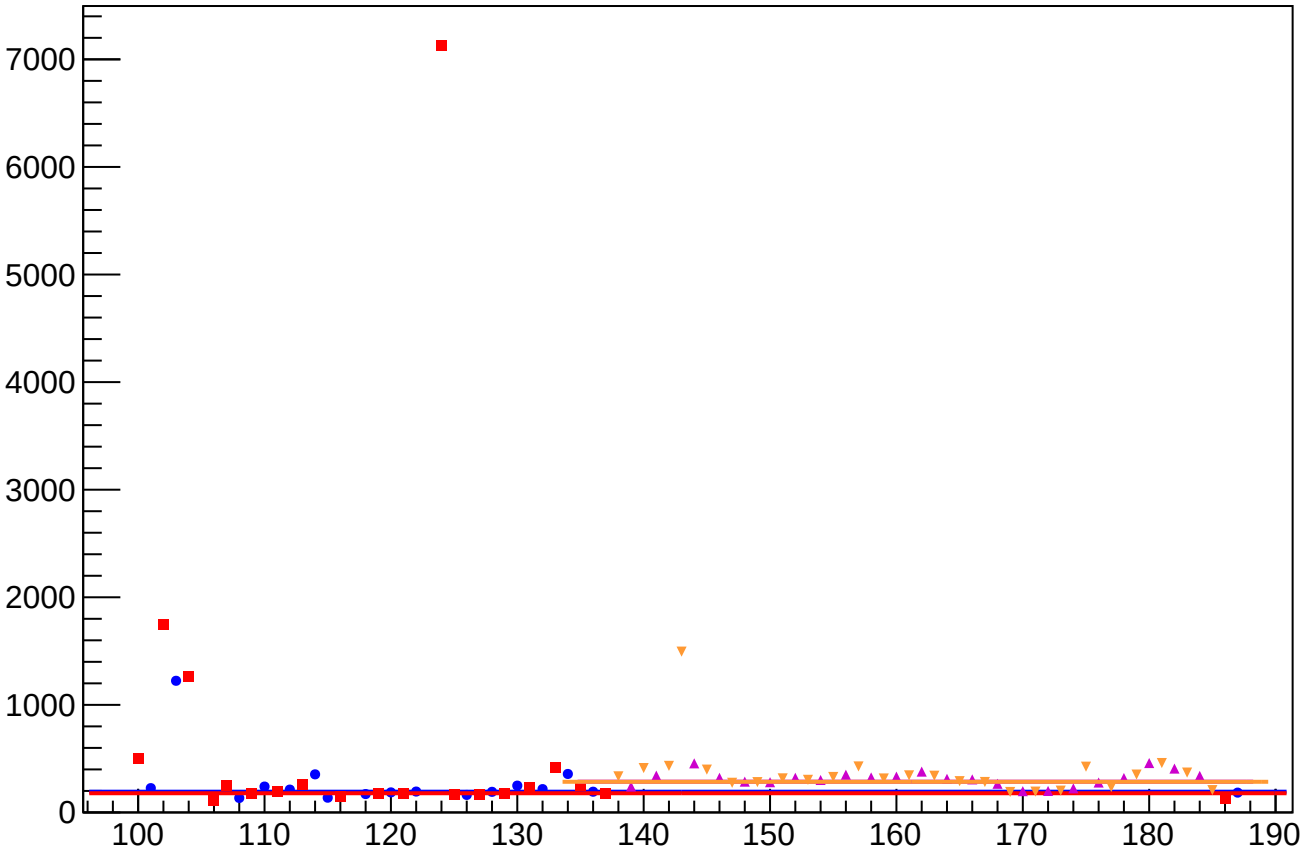
Right Out: -0.017+/-0.074 χ^2/NDF: 24.3/19

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.019+/-0.052 χ^2/NDF: 42.1/41

All: 0.011+/-0.036 χ^2/NDF: 99.1/84

- sign 0.039+/-0.051 χ^2/NDF: 56.3/42



Right In: 192.977+/-0.054 χ^2/NDF: 1409186.7/16

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

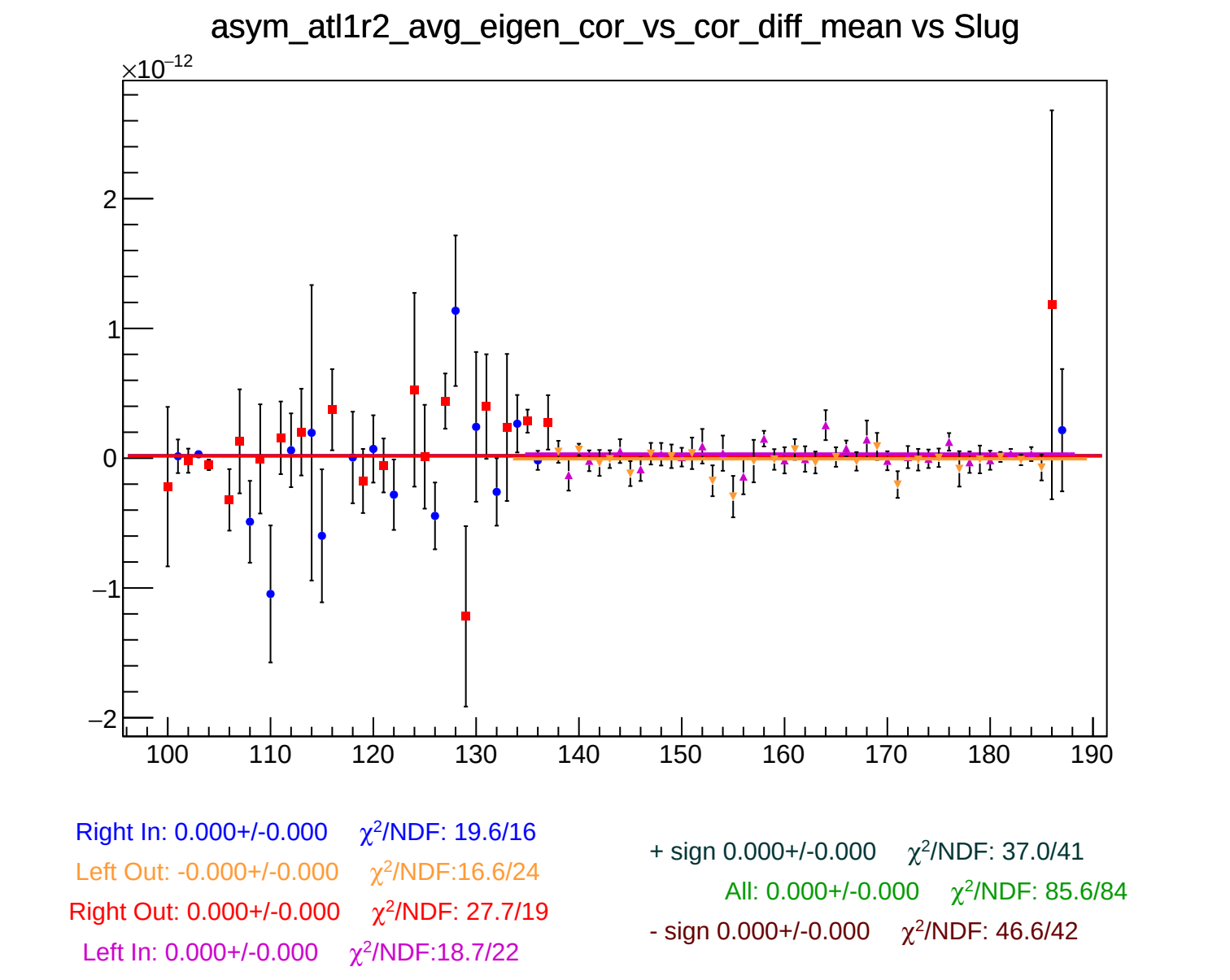
Right Out: 178.592+/-0.052 χ^2/NDF: 2631836.0/19

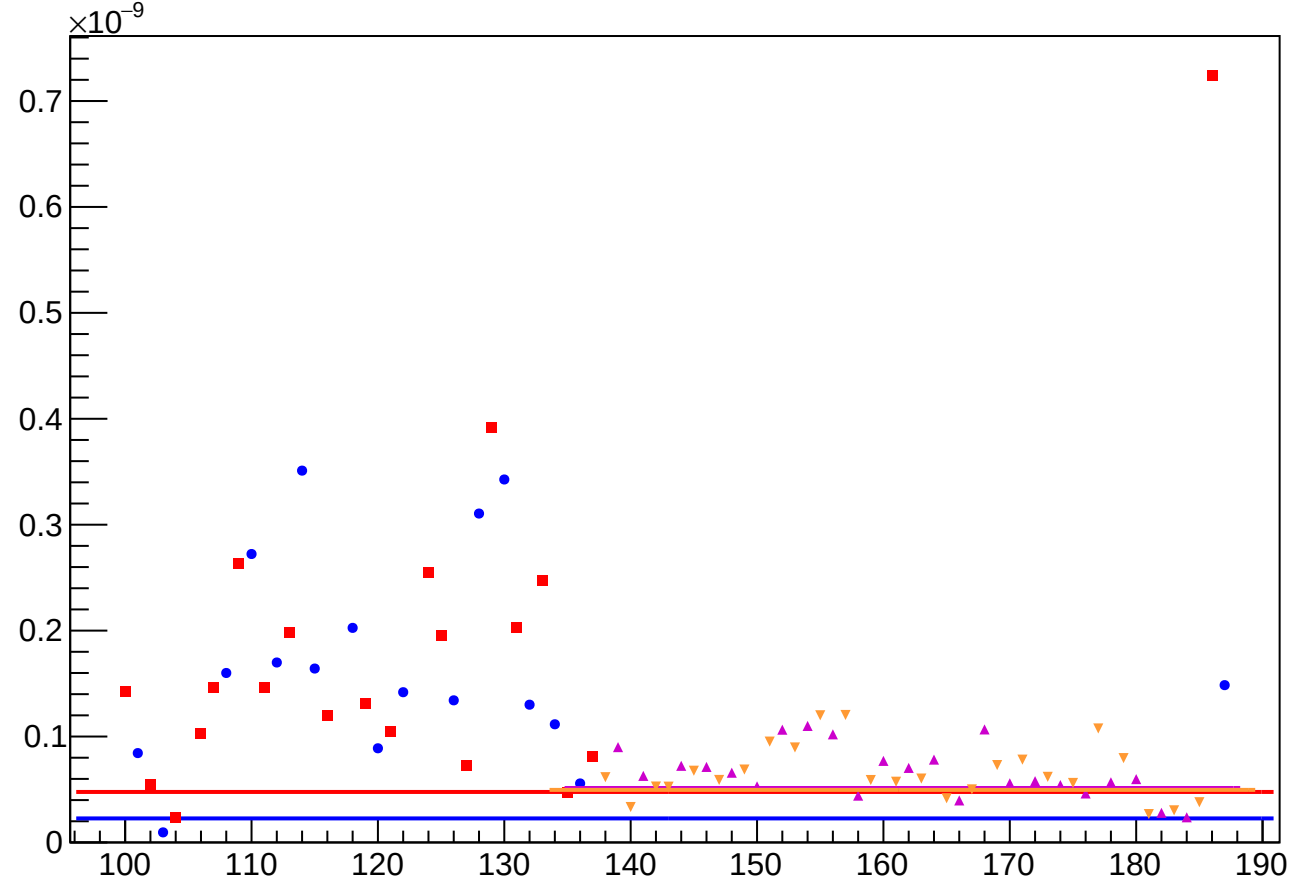
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 243.241+/-0.036 χ^2/NDF: 6394883.8/41

All: 238.854+/-0.026 χ^2/NDF: 13019023.4/84

- sign 234.587+/-0.036 χ^2/NDF: 6595608.6/42


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.6/16
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.7/19
Left In: 0.000+/-0.000 χ²/NDF:18.7/22
+ sign 0.000+/-0.000 χ²/NDF: 37.0/41
All: 0.000+/-0.000 χ²/NDF: 85.6/84
- sign 0.000+/-0.000 χ²/NDF: 46.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 6553008.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4644242.7/19

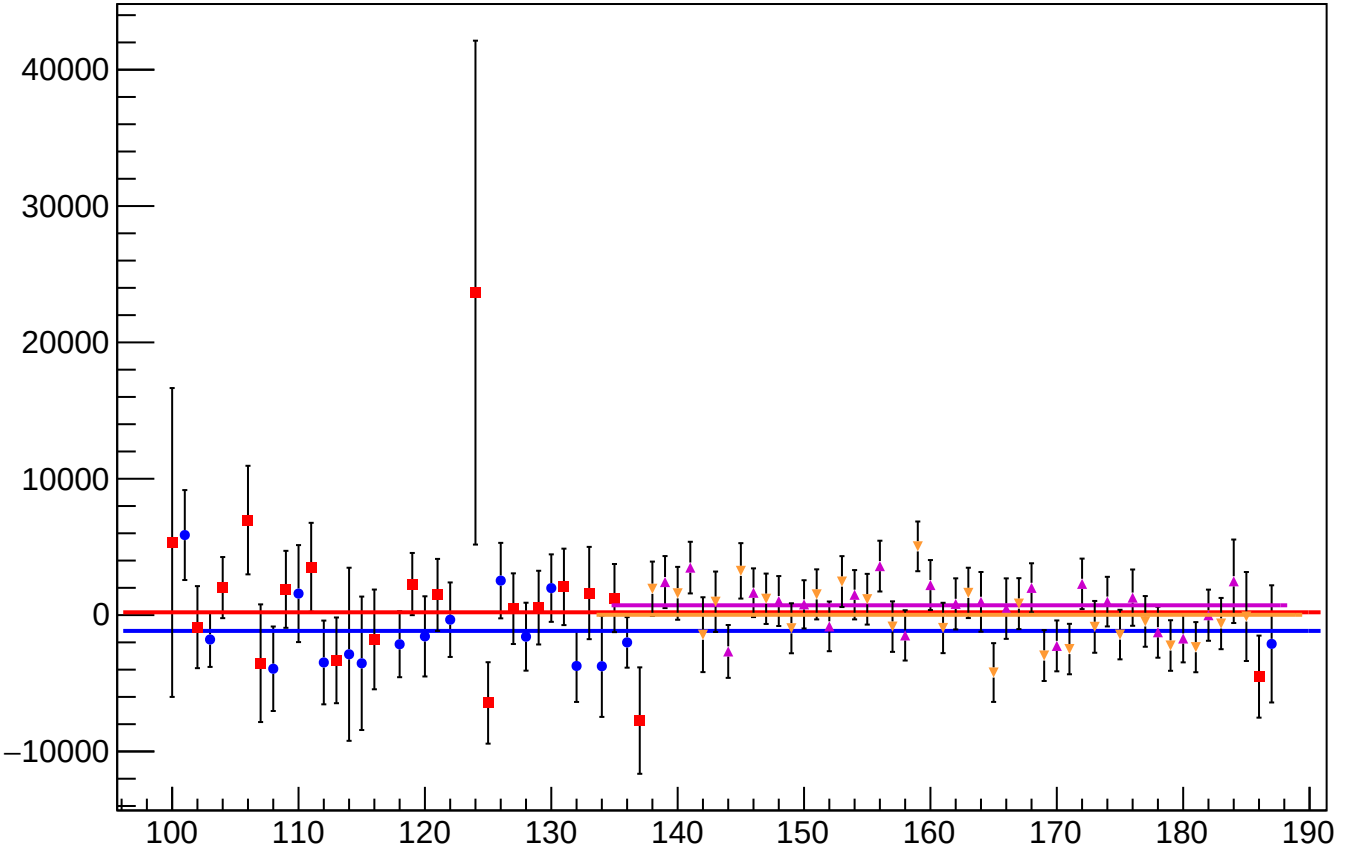
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12666809.1/41

All: 0.000+/-0.000 χ^2/NDF: 21622730.0/84

- sign 0.000+/-0.000 χ^2/NDF: 8326742.9/42

reg_asym_atl1r2_dd_mean vs Slug



Right In: -1159.434+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 205.706+/-687.258 χ^2/NDF: 22.6/19

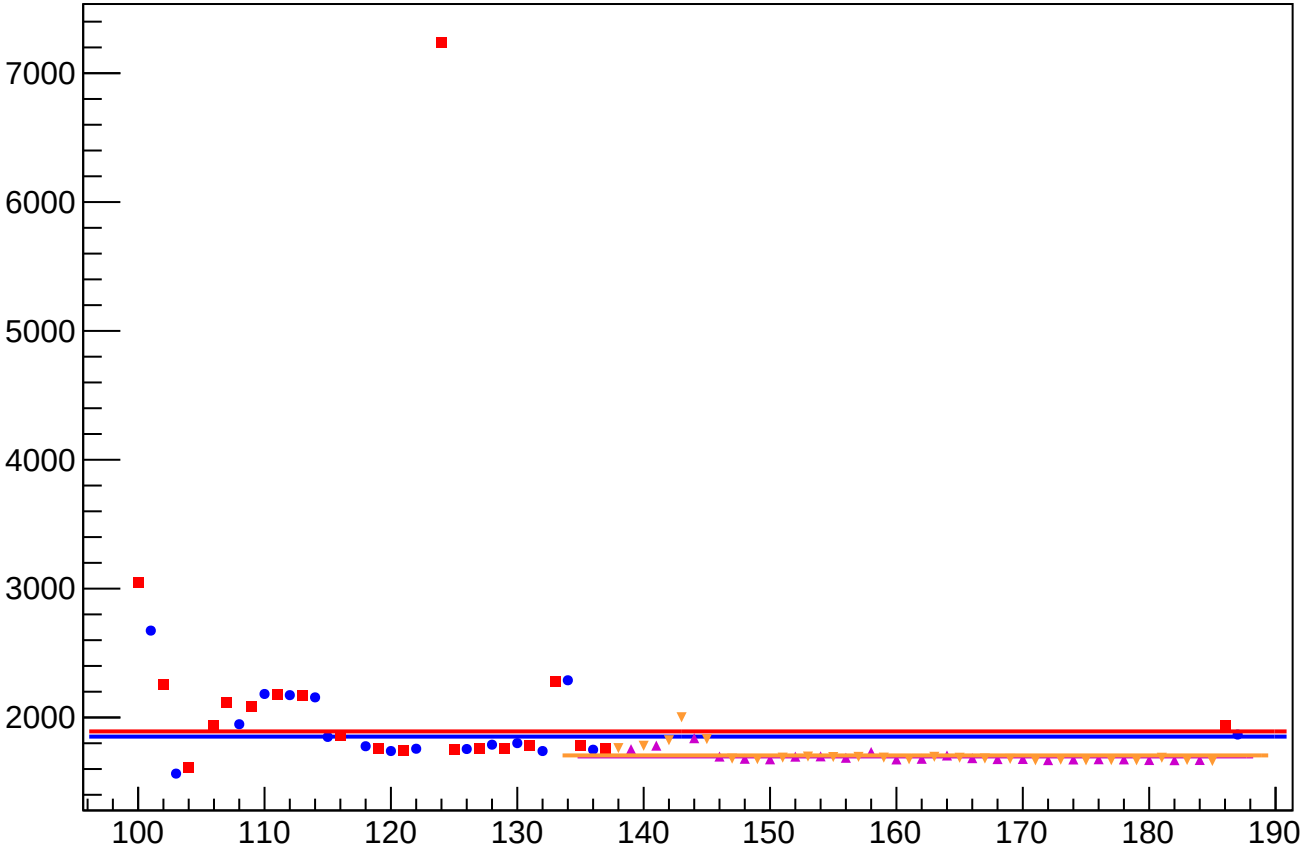
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -263.887+/-337.417 χ^2/NDF: 44.0/41

All: 156.141+/-240.680 χ^2/NDF: 89.3/84

- sign 591.219+/-343.408 χ^2/NDF: 42.1/42

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1851.547+/-0.484 χ^2/NDF: 260010.0/16

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1891.904+/-0.485 χ^2/NDF: 359340.6/19

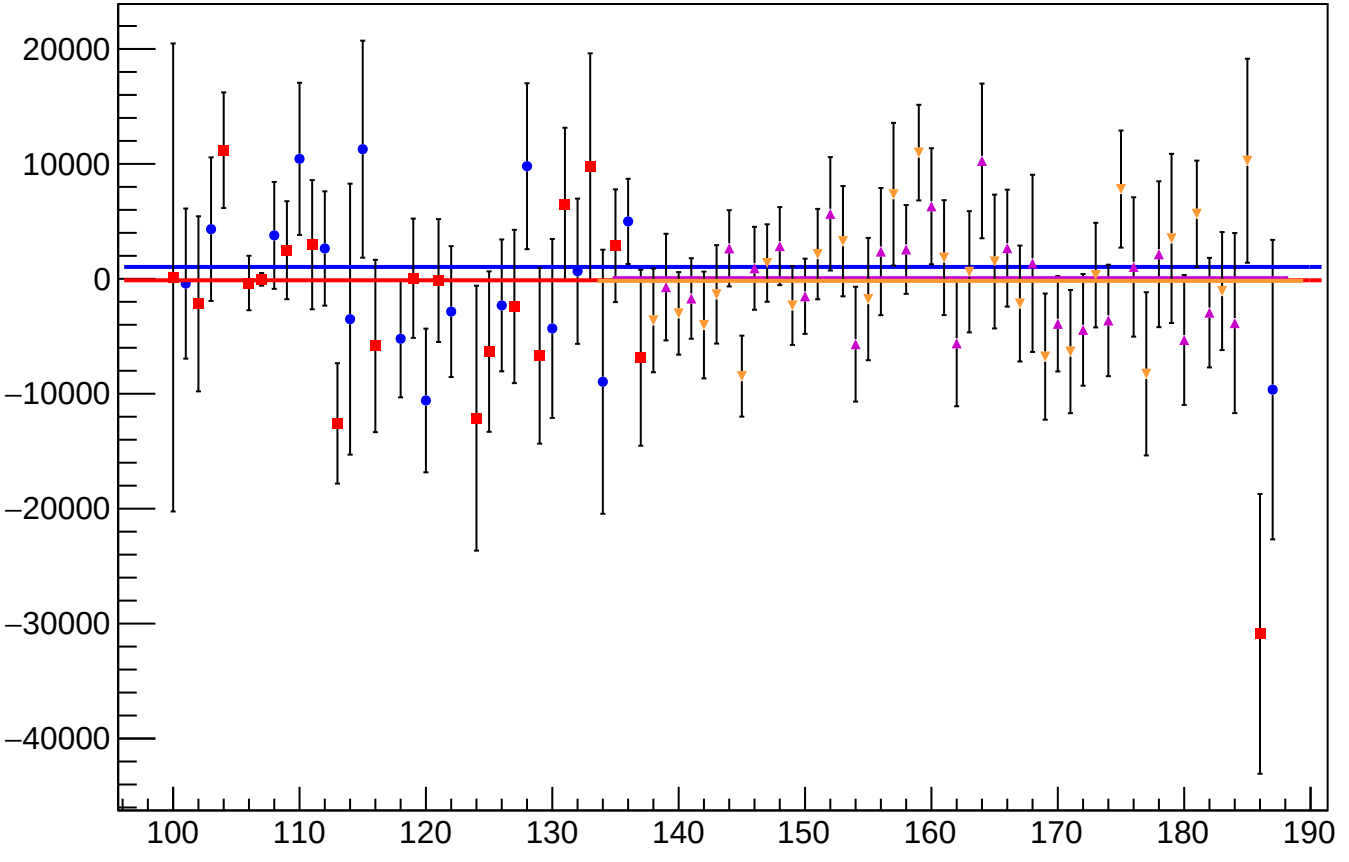
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.047+/-0.239 χ^2/NDF: 388679.6/41

All: 1743.584+/-0.170 χ^2/NDF: 889849.3/84

- sign 1746.209+/-0.243 χ^2/NDF: 500939.6/42

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 1033.532+/-1492.245 χ^2/NDF: 14.4/16

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -125.809+/-505.257 χ^2/NDF: 24.3/19

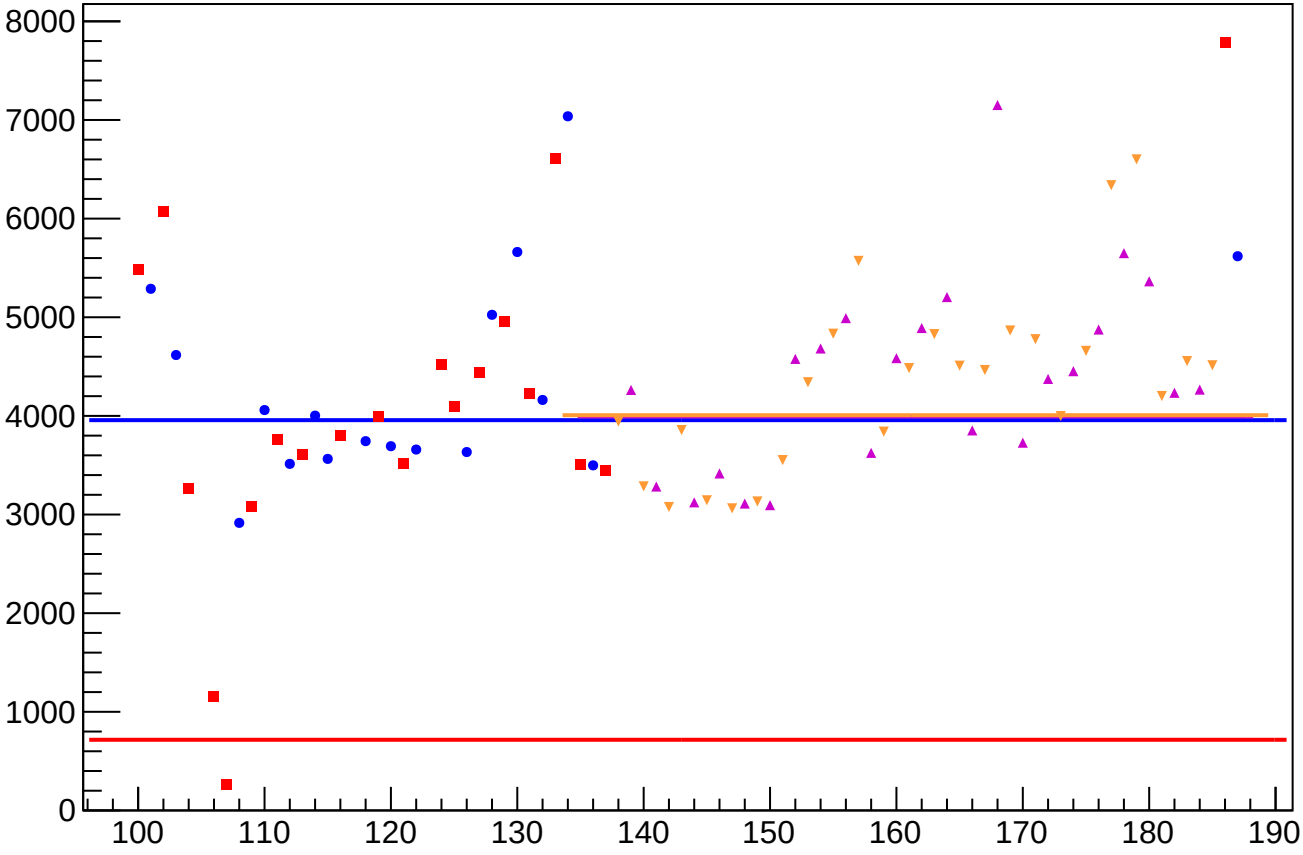
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 165.219+/-792.404 χ^2/NDF: 42.8/41

All: -25.439+/-389.159 χ^2/NDF: 81.5/84

- sign -86.041+/-446.746 χ^2/NDF: 38.7/42

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 3956.806+/-1.055 χ^2/NDF: 593095.2/16

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 716.597+/-0.357 χ^2/NDF: 11295405.8/19

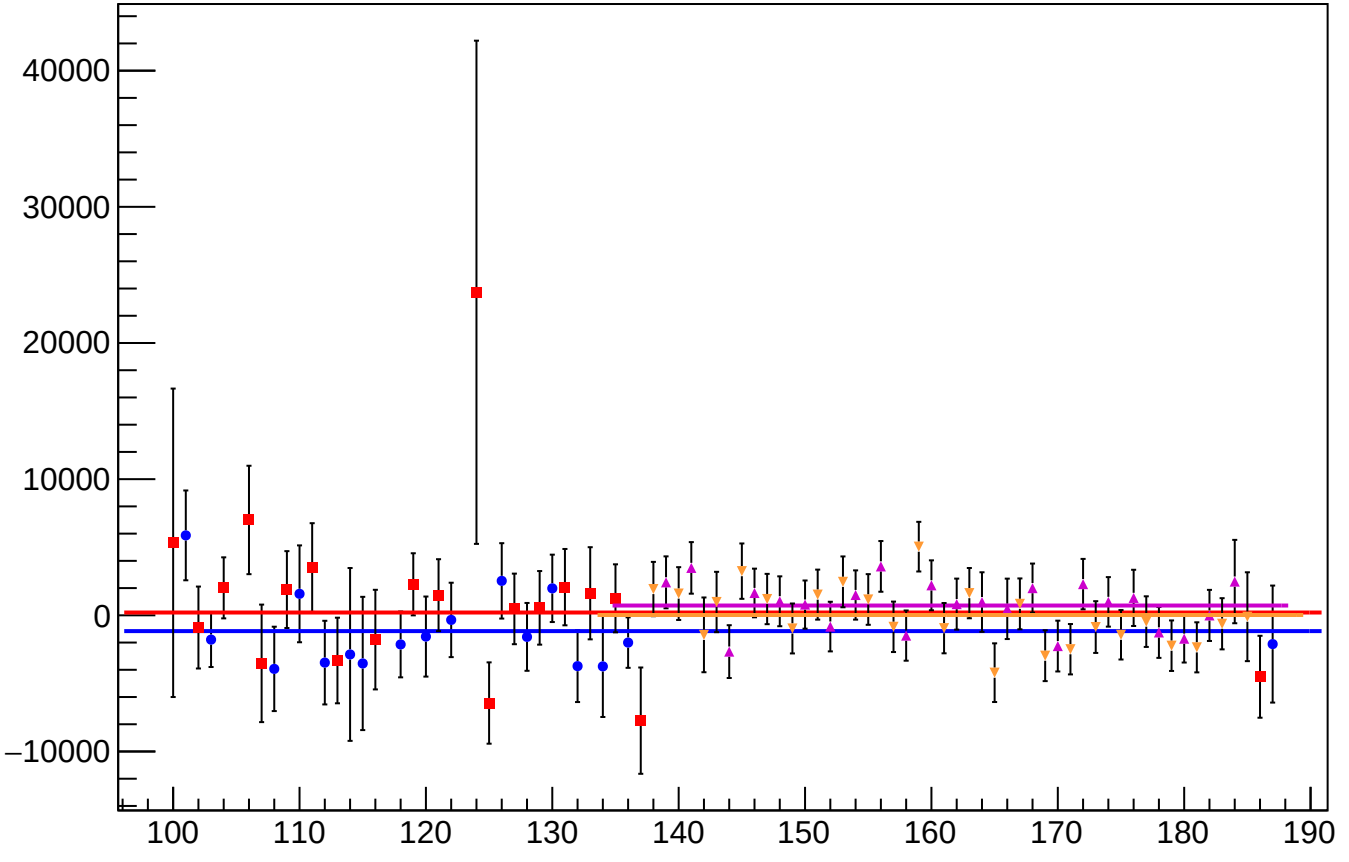
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 3992.845+/-0.560 χ^2/NDF: 2098397.4/41

All: 2049.603+/-0.275 χ^2/NDF: 49155764.2/8

- sign 1431.935+/-0.316 χ^2/NDF: 31206315.8/42

cor_asym_atl1r2_dd_mean vs Slug



Right In: -1159.036+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 206.086+/-687.260 χ^2/NDF: 22.6/19

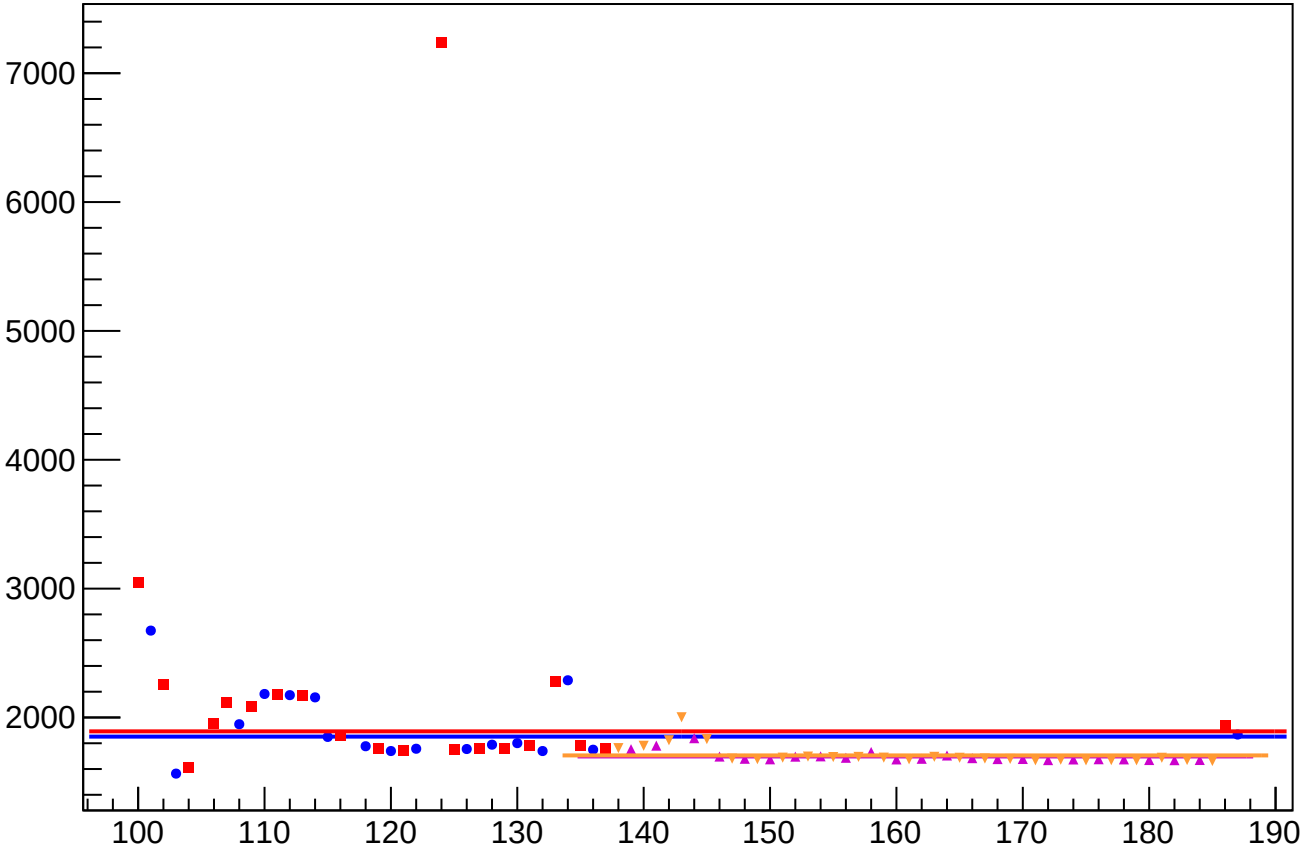
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -263.736+/-337.417 χ^2/NDF: 44.0/41

All: 156.219+/-240.680 χ^2/NDF: 89.3/84

- sign 591.222+/-343.409 χ^2/NDF: 42.1/42

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.547+/-0.484 χ^2/NDF: 260009.1/16

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1892.339+/-0.485 χ^2/NDF: 359551.6/19

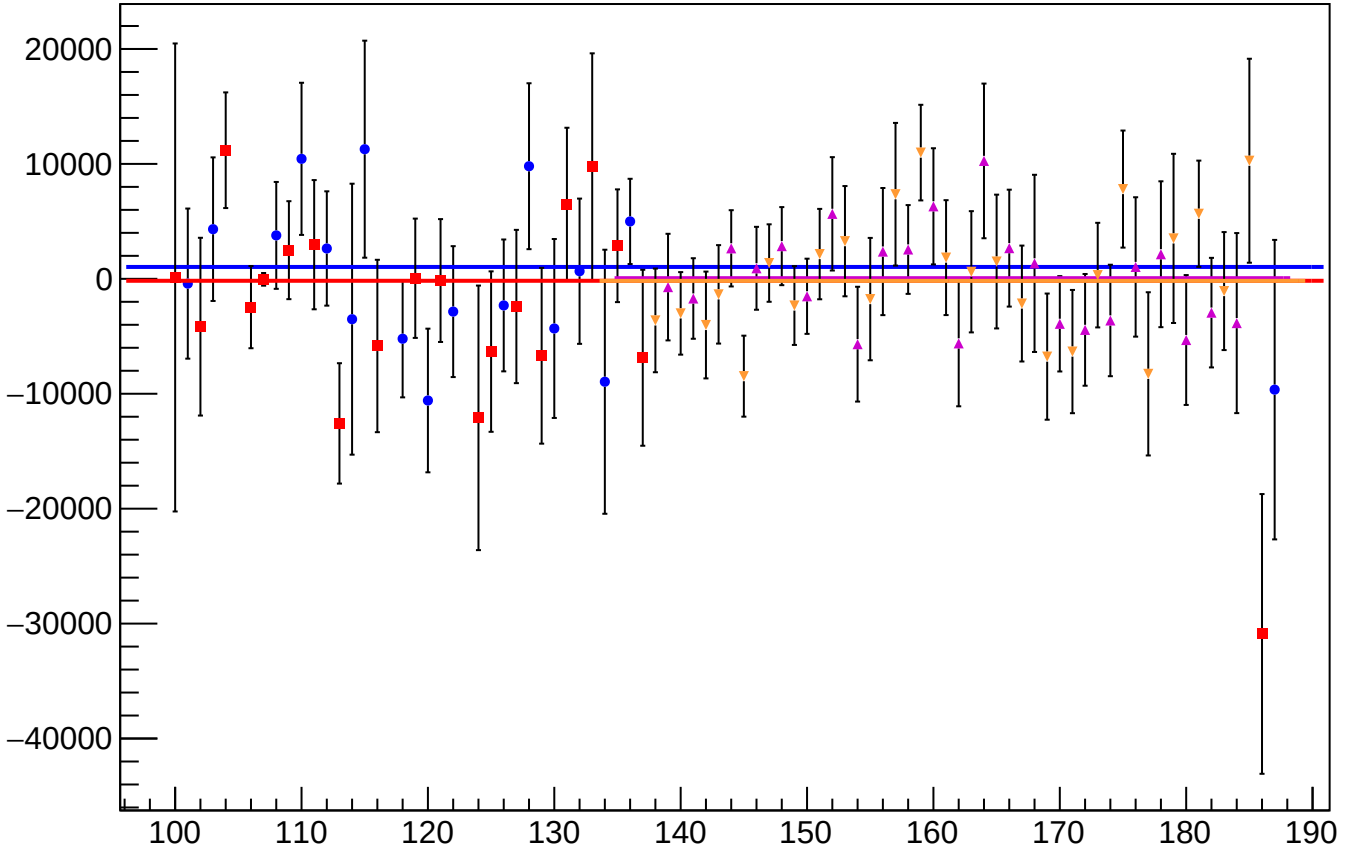
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.047+/-0.239 χ^2/NDF: 388679.1/41

All: 1743.630+/-0.170 χ^2/NDF: 890569.4/84

- sign 1746.303+/-0.243 χ^2/NDF: 501651.9/42

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 1033.509+/-1492.250 χ^2/NDF: 14.4/16

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -170.360+/-511.836 χ^2/NDF: 24.9/19

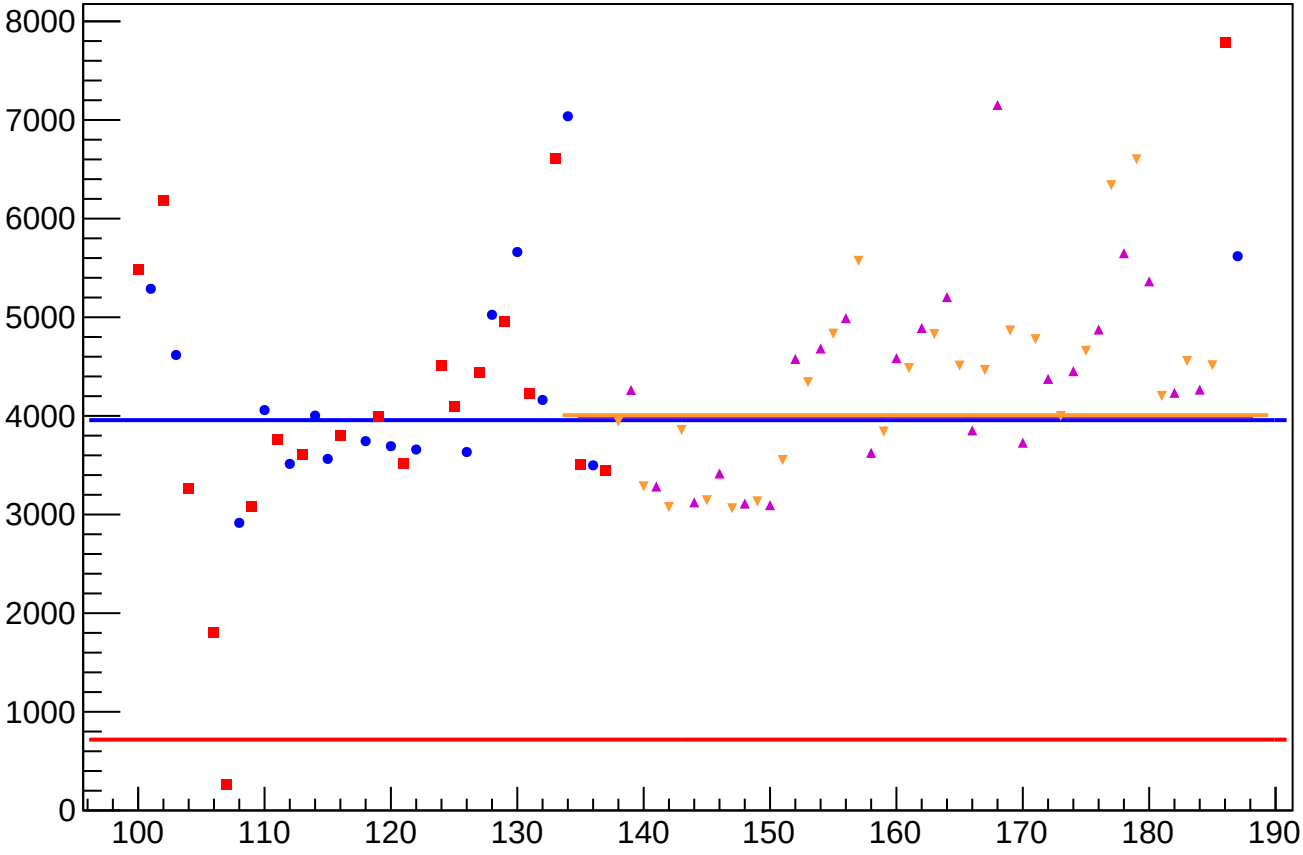
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 165.226+/-792.404 χ^2/NDF: 42.8/41

All: -50.056+/-392.141 χ^2/NDF: 82.2/84

- sign -119.878+/-451.274 χ^2/NDF: 39.3/42

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 3956.815+/-1.055 χ^2/NDF: 593120.7/16

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 718.150+/-0.362 χ^2/NDF: 11423703.5/19

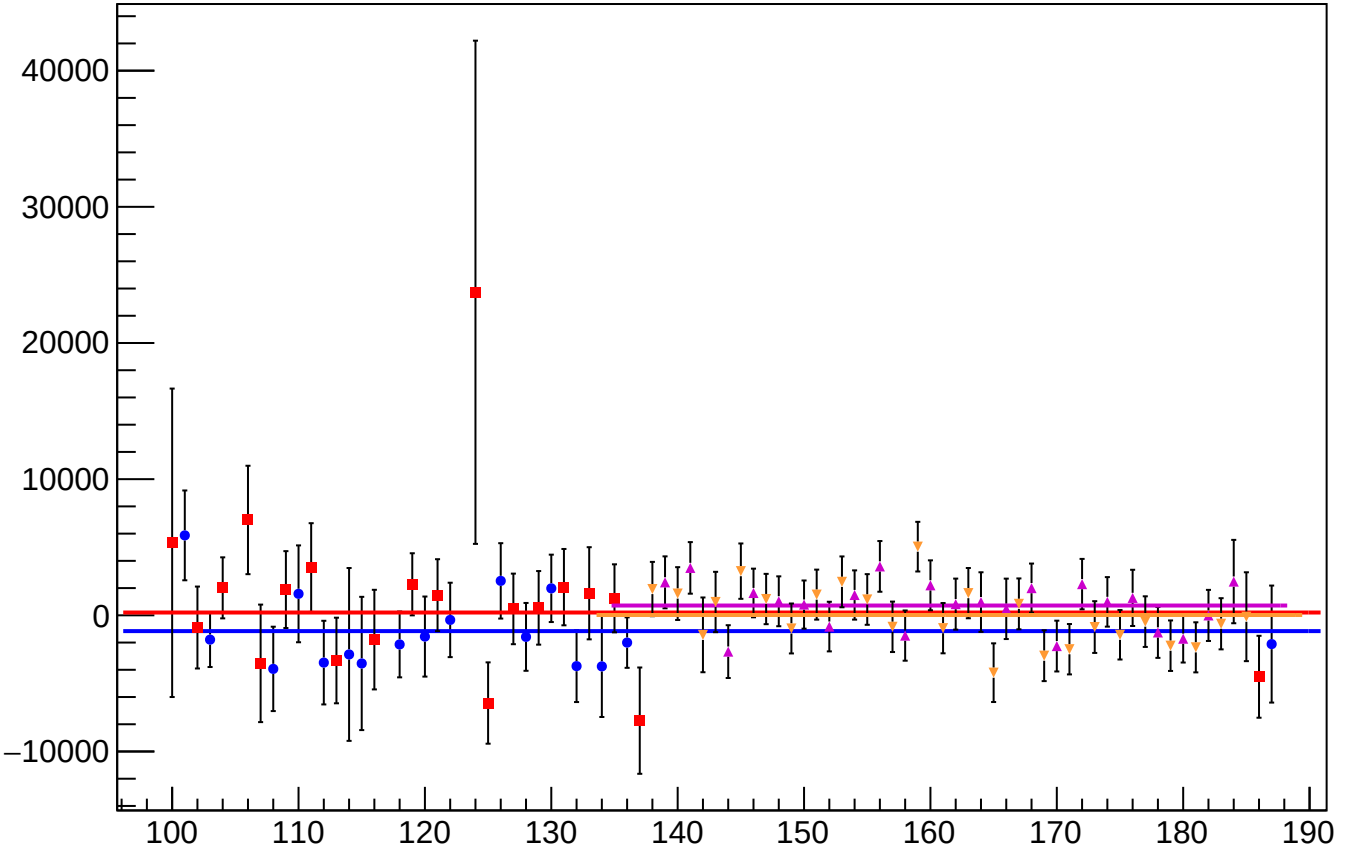
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 3992.842+/-0.560 χ^2/NDF: 2098442.5/41

All: 2071.022+/-0.277 χ^2/NDF: 48890945.3/8

- sign 1447.718+/-0.319 χ^2/NDF: 31212818.3/42

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -1159.036+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 206.086+/-687.260 χ^2/NDF: 22.6/19

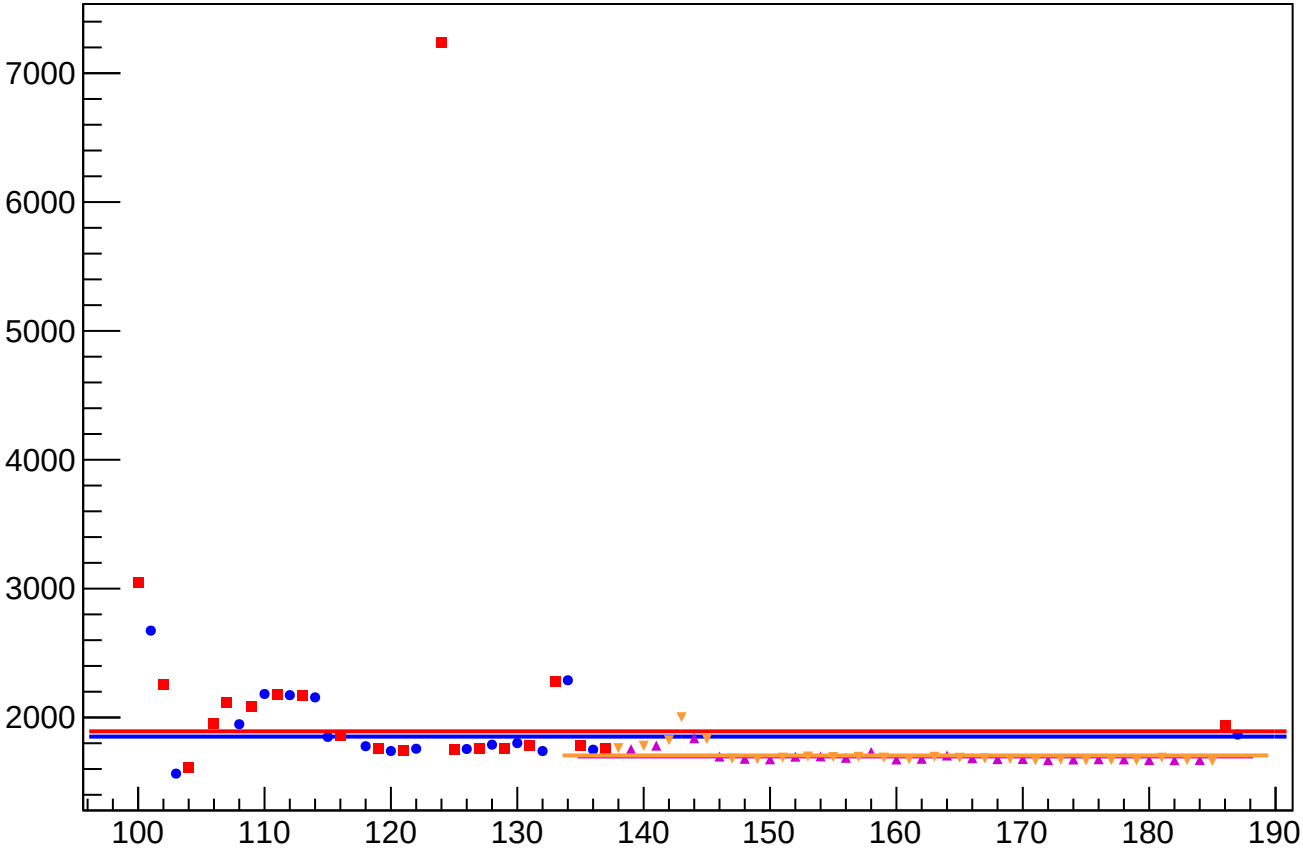
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -263.736+/-337.417 χ^2/NDF: 44.0/41

All: 156.219+/-240.680 χ^2/NDF: 89.3/84

- sign 591.222+/-343.409 χ^2/NDF: 42.1/42

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1851.547+/-0.484 χ^2/NDF: 260009.1/16

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

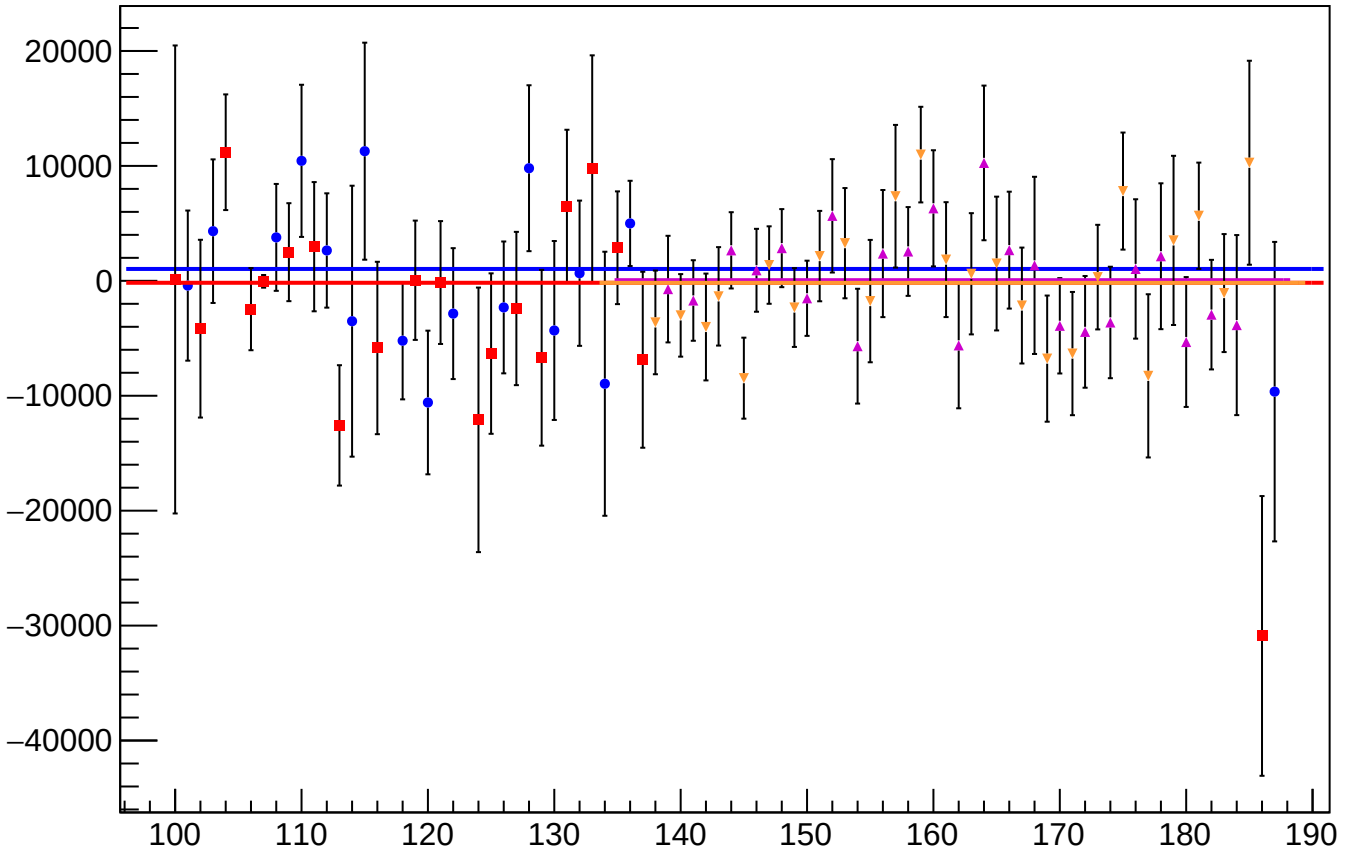
Right Out: 1892.339+/-0.485 χ^2/NDF: 359551.6/19

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1741.047+/-0.239 χ^2/NDF: 388679.1/41

All: 1743.630+/-0.170 χ^2/NDF: 890569.4/84

- sign 1746.303+/-0.243 χ^2/NDF: 501651.9/42



Right In: 1033.509+/-1492.250 χ^2/NDF: 14.4/16

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -170.360+/-511.836 χ^2/NDF: 24.9/19

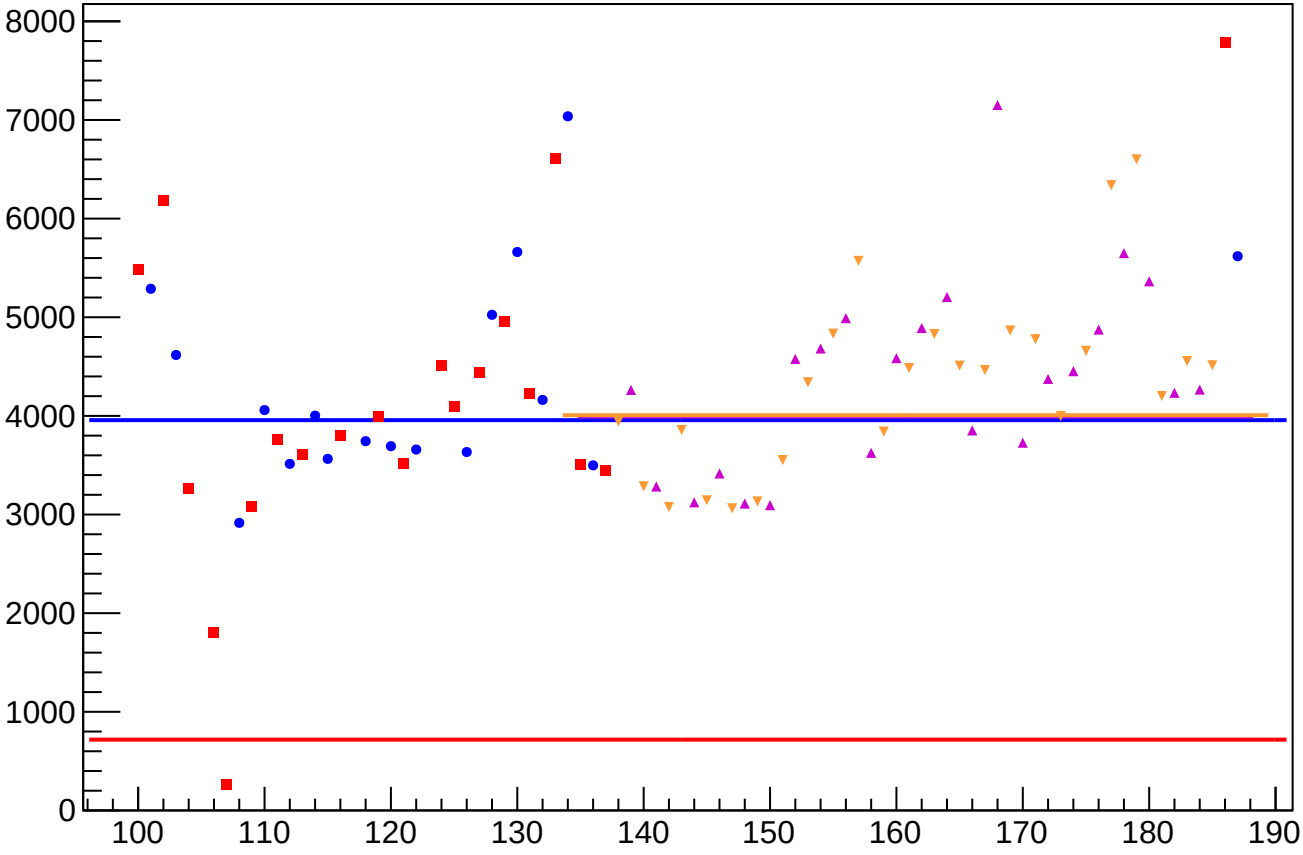
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

\+ sign 165.226+/-792.404 χ^2/NDF: 42.8/41

All: -50.056+/-392.141 χ^2/NDF: 82.2/84

\- sign -119.878+/-451.274 χ^2/NDF: 39.3/42

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 3956.815+/-1.055 χ^2/NDF: 593120.7/16

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 718.150+/-0.362 χ^2/NDF: 11423703.5/19

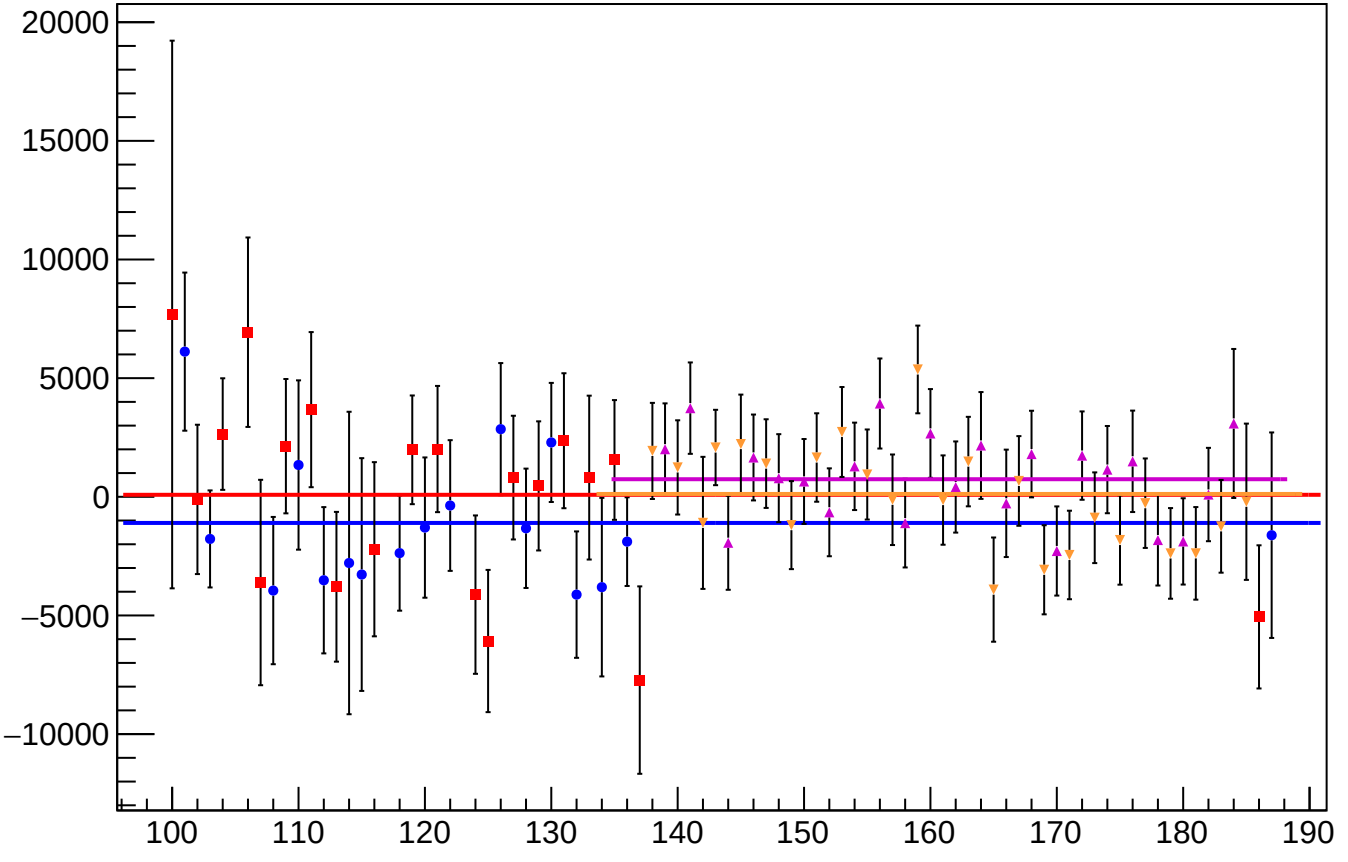
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

\+ sign 3992.842+/-0.560 χ^2/NDF: 2098442.5/41

All: 2071.022+/-0.277 χ^2/NDF: 48890945.3/8

\- sign 1447.718+/-0.319 χ^2/NDF: 31212818.3/42

dit_asym_atl1r2_dd_mean vs Slug



Right In: -1101.214+/-690.623 χ^2/NDF: 13.2/16

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 84.451+/-681.572 χ^2/NDF: 23.9/19

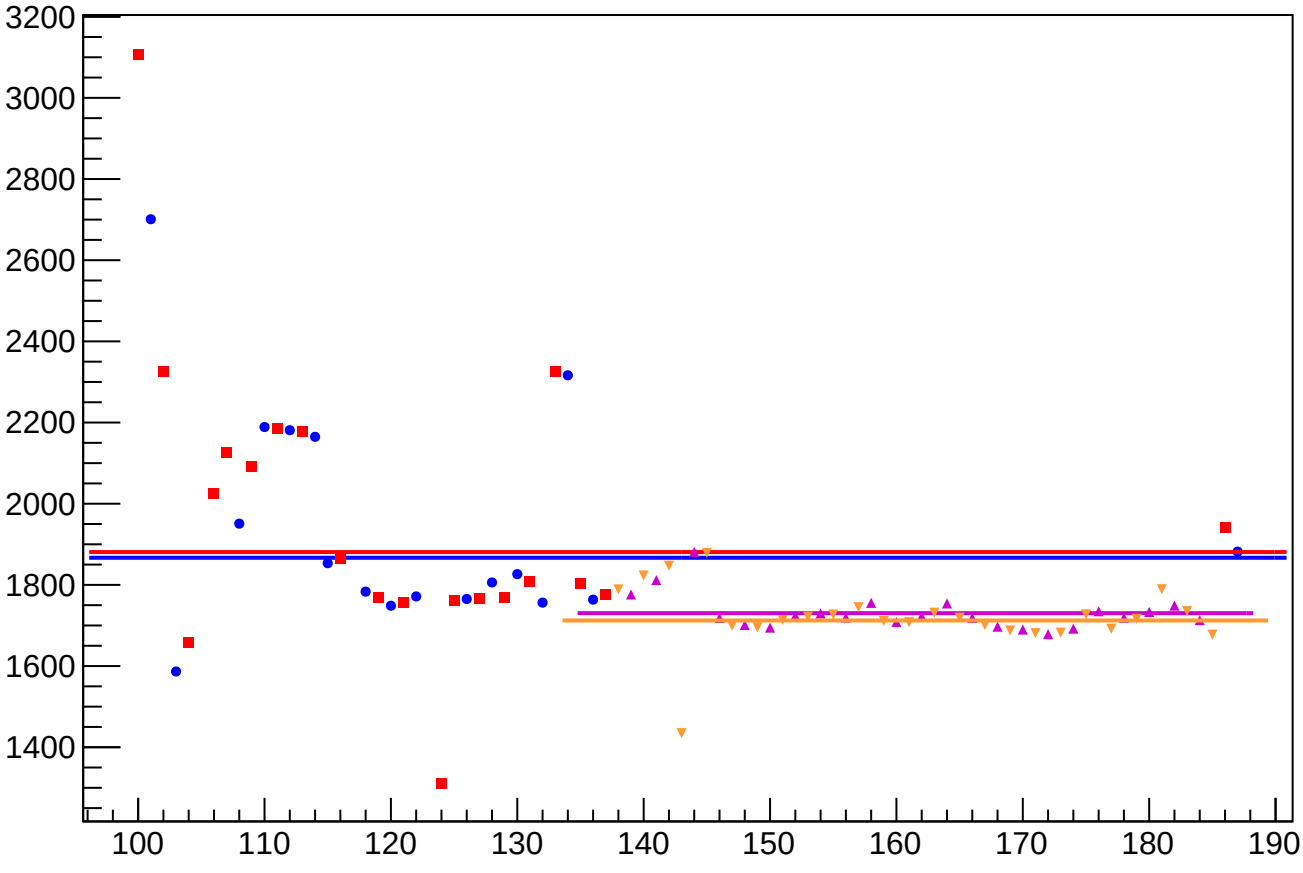
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -174.686+/-339.236 χ^2/NDF: 45.3/41

All: 188.716+/-242.791 χ^2/NDF: 91.2/84

- sign 570.338+/-347.636 χ^2/NDF: 43.6/42

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.849+/-0.488 χ^2/NDF: 256287.2/16

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1880.863+/-0.482 χ^2/NDF: 252674.8/19

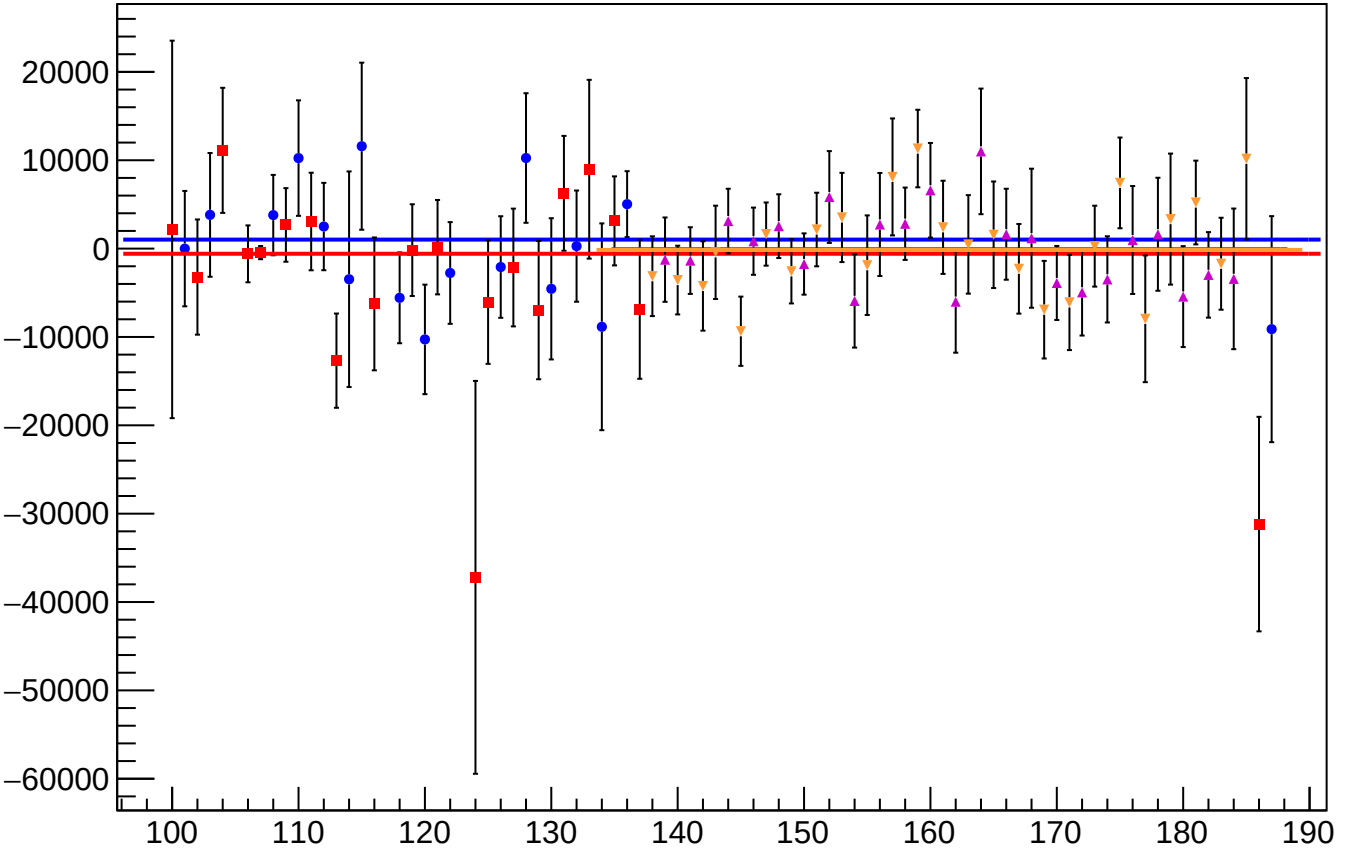
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1749.597+/-0.240 χ^2/NDF: 426667.6/41

All: 1759.329+/-0.172 χ^2/NDF: 778044.3/84

- sign 1769.546+/-0.246 χ^2/NDF: 348002.5/42

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 1019.438+/-1501.765 χ^2/NDF: 14.3/16

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -582.929+/-657.544 χ^2/NDF: 23.3/19

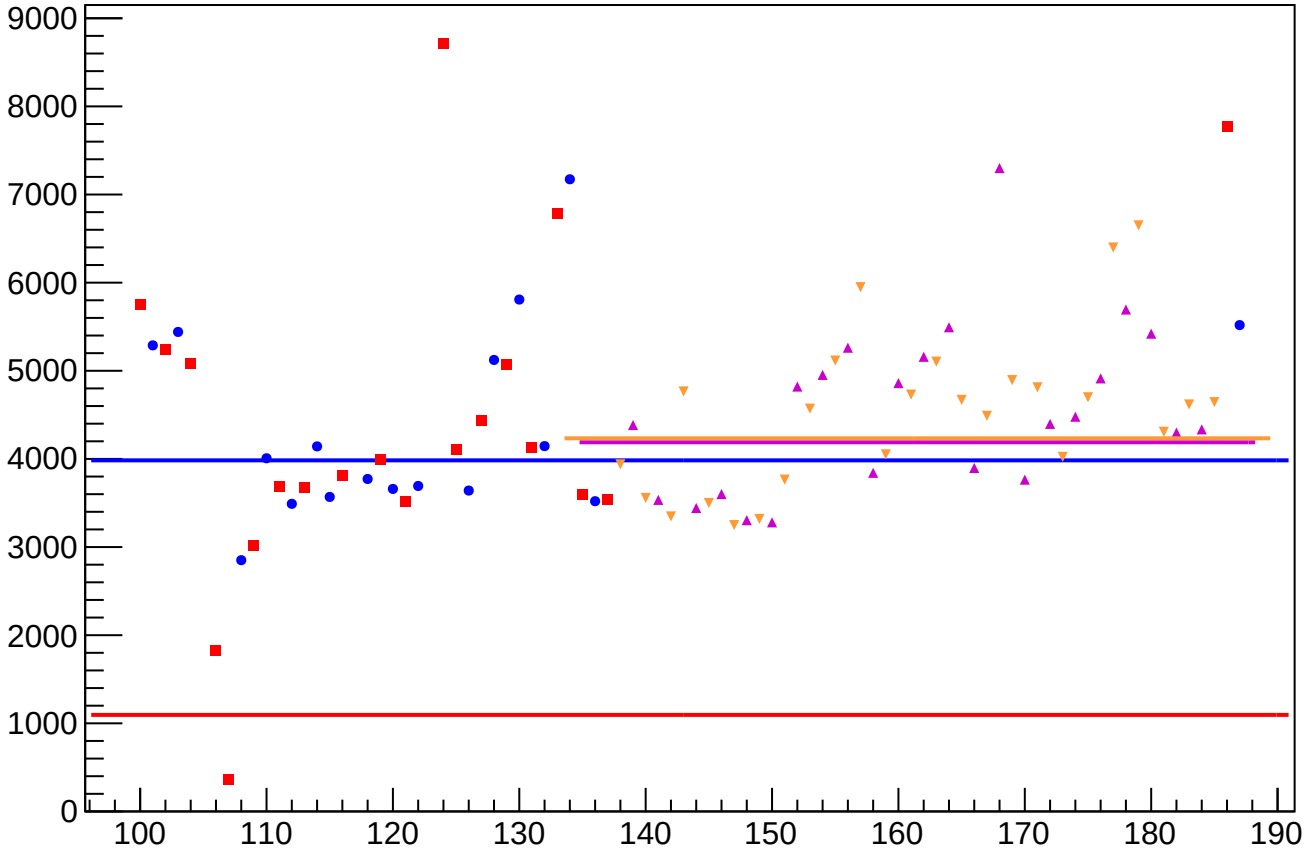
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 201.637+/-823.632 χ^2/NDF: 41.6/41

All: -233.175+/-457.065 χ^2/NDF: 79.5/84

- sign -426.665+/-549.429 χ^2/NDF: 37.5/42

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 3983.821+/-1.062 χ^2/NDF: 697536.1/16

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1095.585+/-0.465 χ^2/NDF: 10164068.8/19

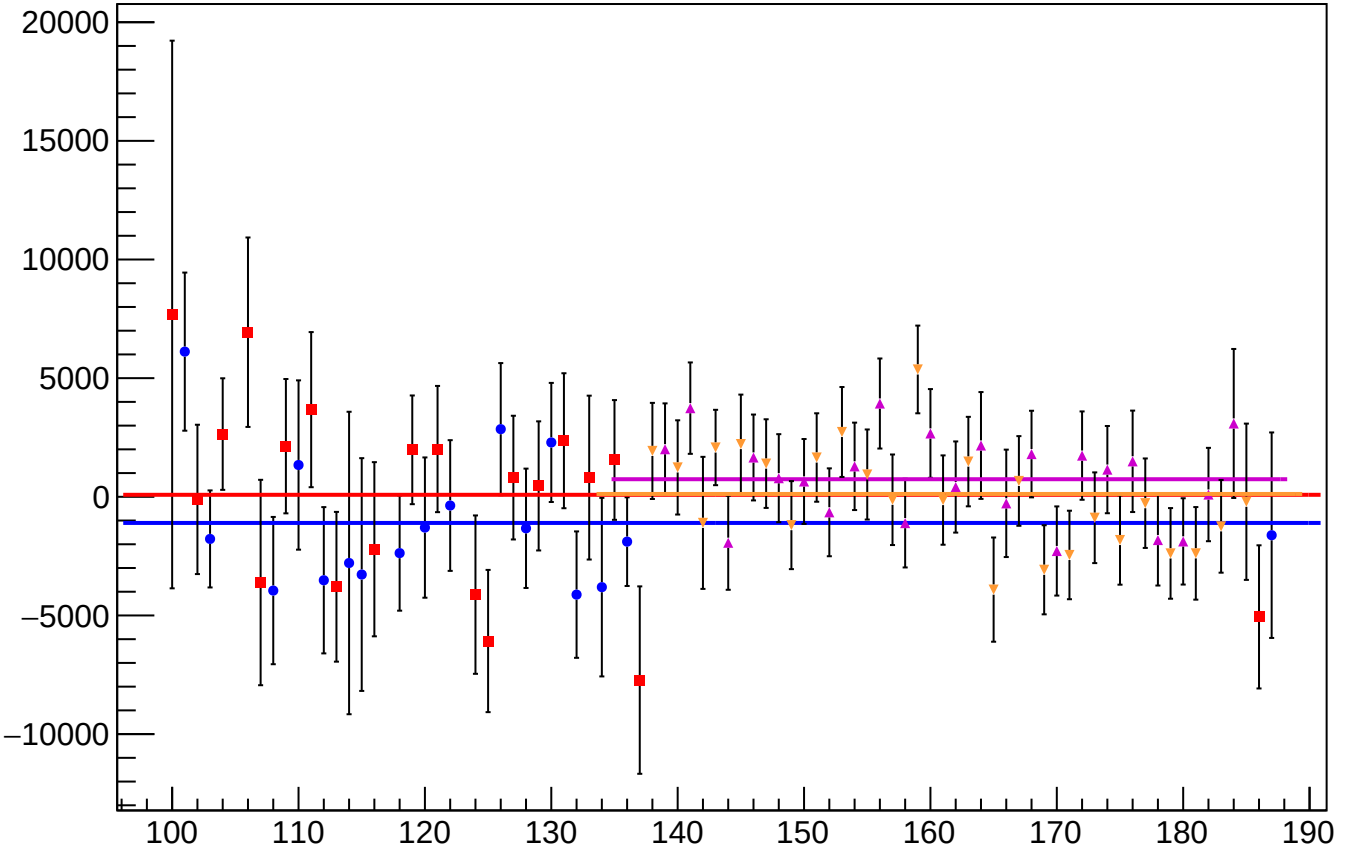
Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4158.682+/-0.582 χ^2/NDF: 2021099.3/41

All: 2684.966+/-0.323 χ^2/NDF: 36140613.0/8

- sign 2029.166+/-0.389 χ^2/NDF: 24867027.6/42

eigen_dit_asym_atl1r2_dd_mean vs Slug



Right In: -1101.219+/-690.623 χ^2/NDF: 13.2/16

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 84.461+/-681.572 χ^2/NDF: 23.9/19

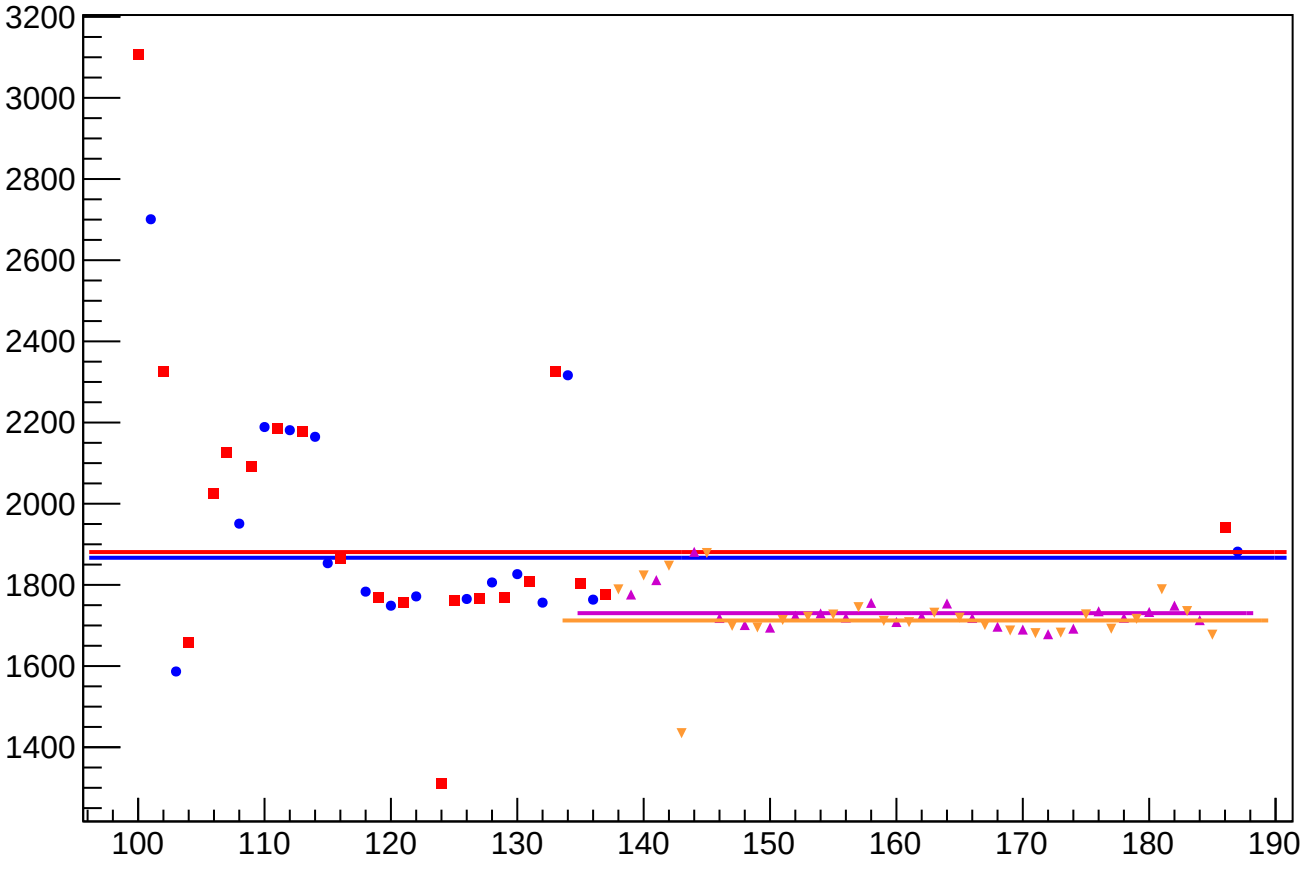
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -174.685+/-339.236 χ^2/NDF: 45.3/41

All: 188.717+/-242.792 χ^2/NDF: 91.2/84

- sign 570.340+/-347.637 χ^2/NDF: 43.6/42

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1866.849+/-0.488 χ^2/NDF: 256287.1/16

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

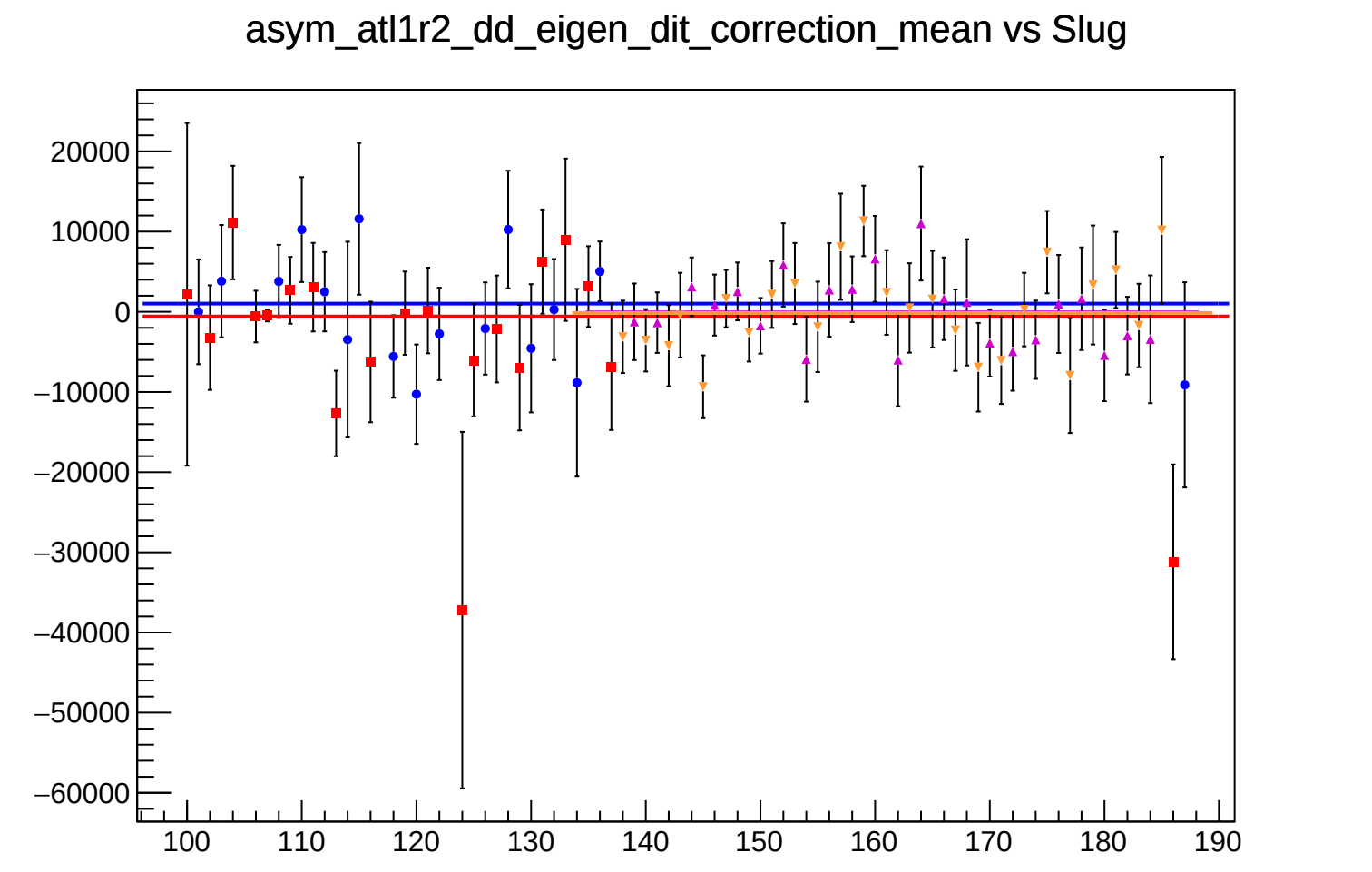
Right Out: 1880.863+/-0.482 χ^2/NDF: 252675.1/19

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1749.597+/-0.240 χ^2/NDF: 426665.8/41

All: 1759.330+/-0.172 χ^2/NDF: 778042.2/84

- sign 1769.546+/-0.246 χ^2/NDF: 348002.2/42



Right In: 1019.419+/-1501.762 χ^2/NDF: 14.3/16

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -582.940+/-657.555 χ^2/NDF: 23.3/19

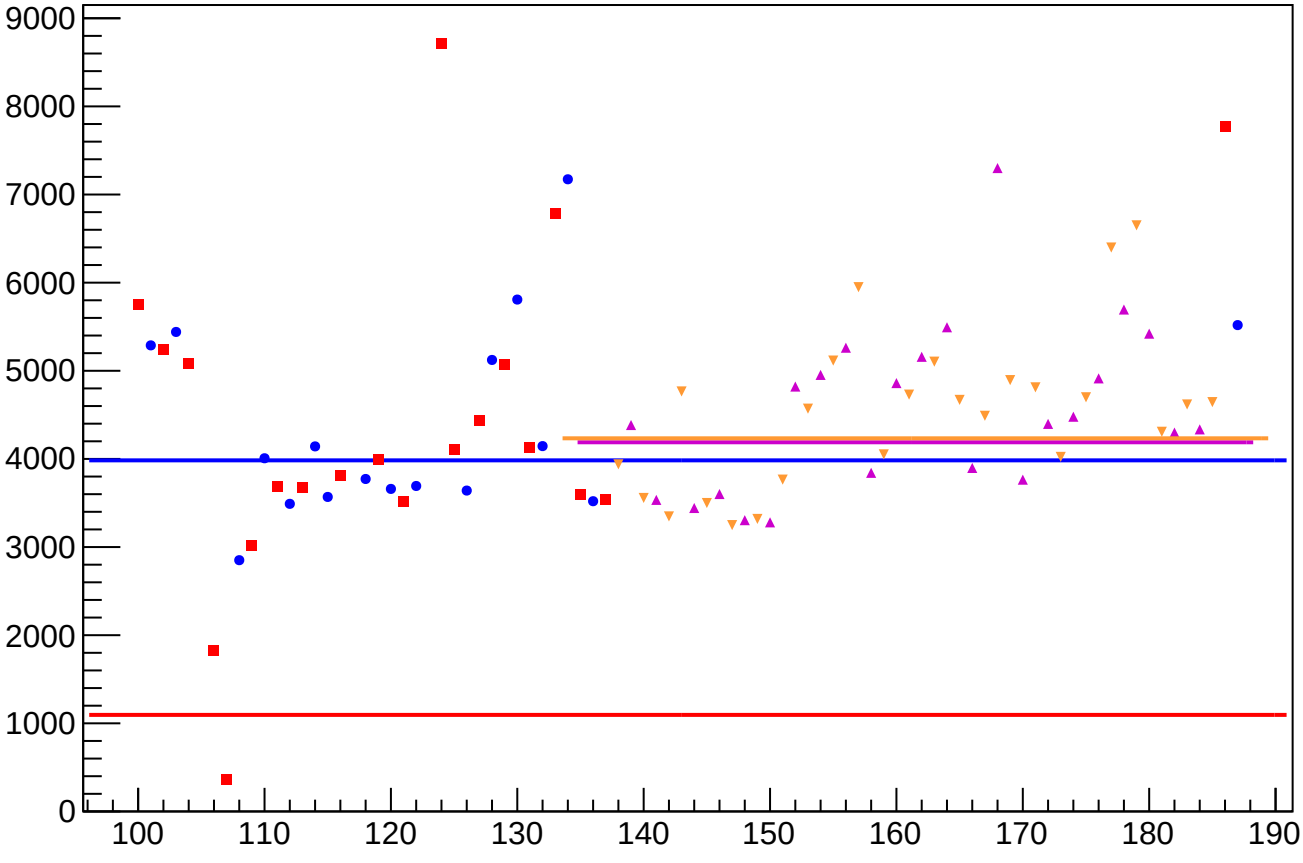
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 201.633+/-823.632 χ^2/NDF: 41.6/41

All: -233.176+/-457.069 χ^2/NDF: 79.5/84

- sign -426.669+/-549.436 χ^2/NDF: 37.5/42

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 3983.814+/-1.062 χ^2/NDF: 697533.0/16

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1095.617+/-0.465 χ^2/NDF: 10163933.1/19

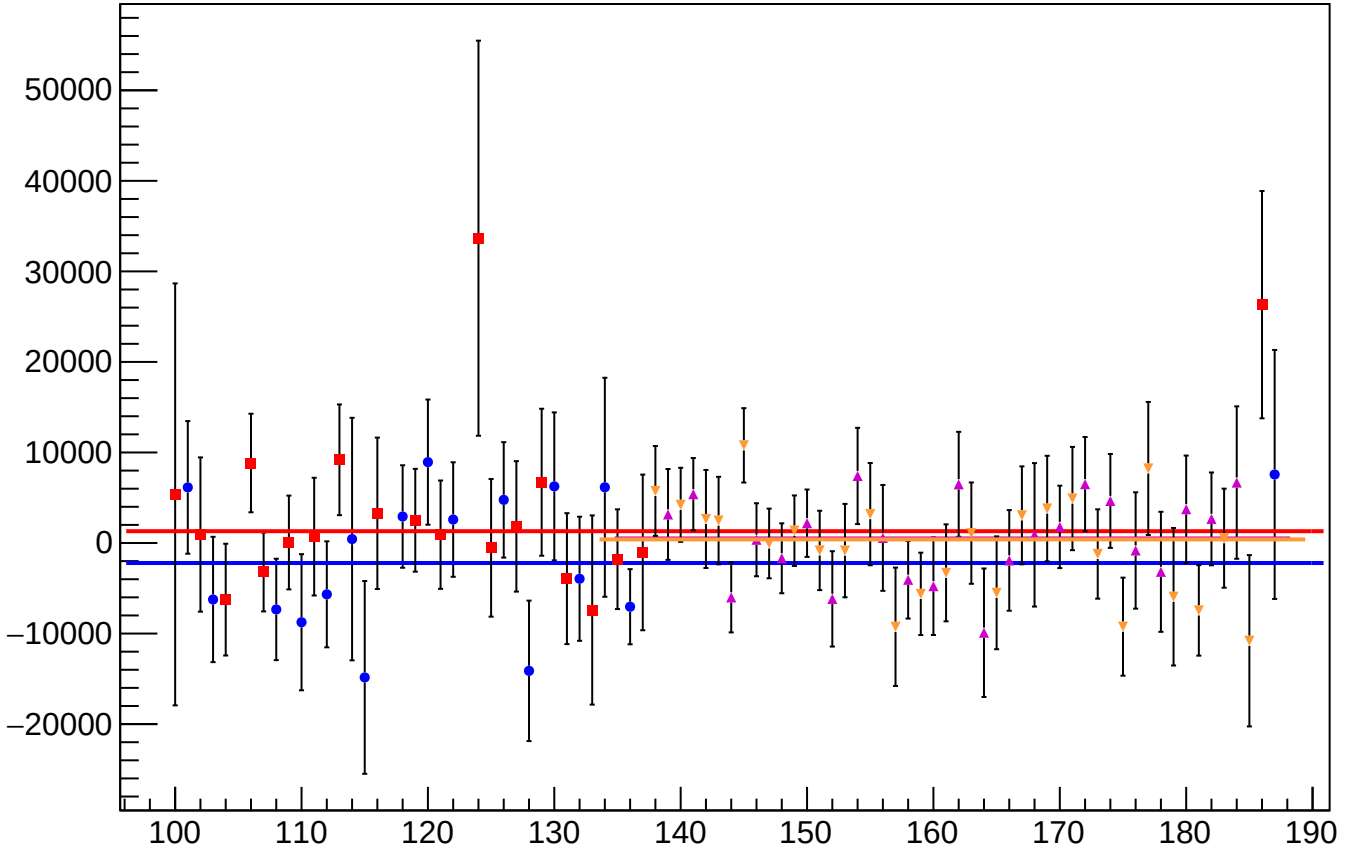
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4158.684+/-0.582 χ^2/NDF: 2021102.3/41

All: 2685.007+/-0.323 χ^2/NDF: 36139674.7/8

- sign 2029.209+/-0.389 χ^2/NDF: 24866518.0/42

asym_atl1r2_dd_mean vs Slug



Right In: -2207.972+/-1672.273 χ^2/NDF: 16.1/16

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1304.879+/-1535.275 χ^2/NDF: 14.6/19

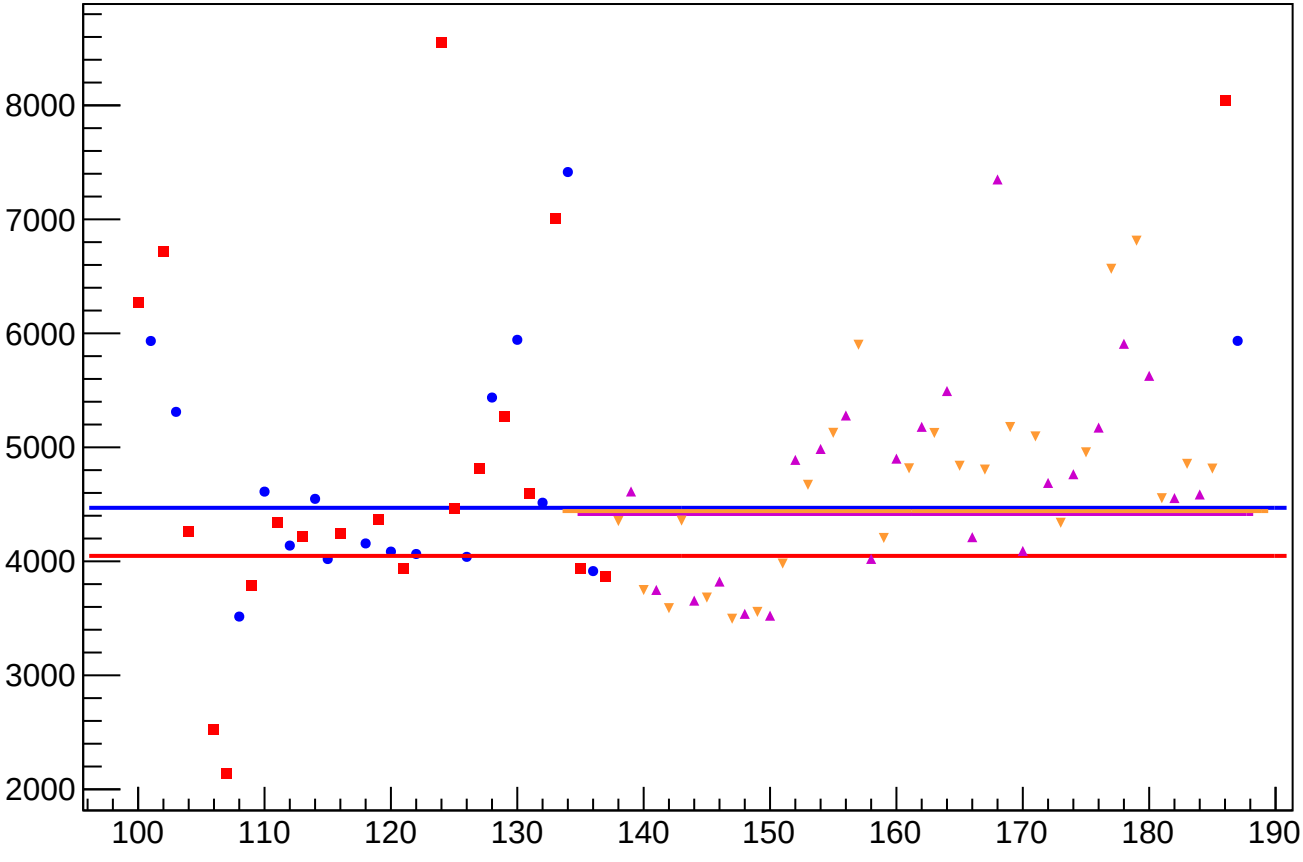
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -316.894+/-876.026 χ^2/NDF: 42.6/41

All: 226.642+/-616.053 χ^2/NDF: 75.5/84

- sign 758.437+/-866.513 χ^2/NDF: 32.2/42

asym_atl1r2_dd_rms vs Slug



Right In: 4469.421+/-1.182 χ^2/NDF: 481290.8/16

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4047.676+/-1.075 χ^2/NDF: 1349211.4/19

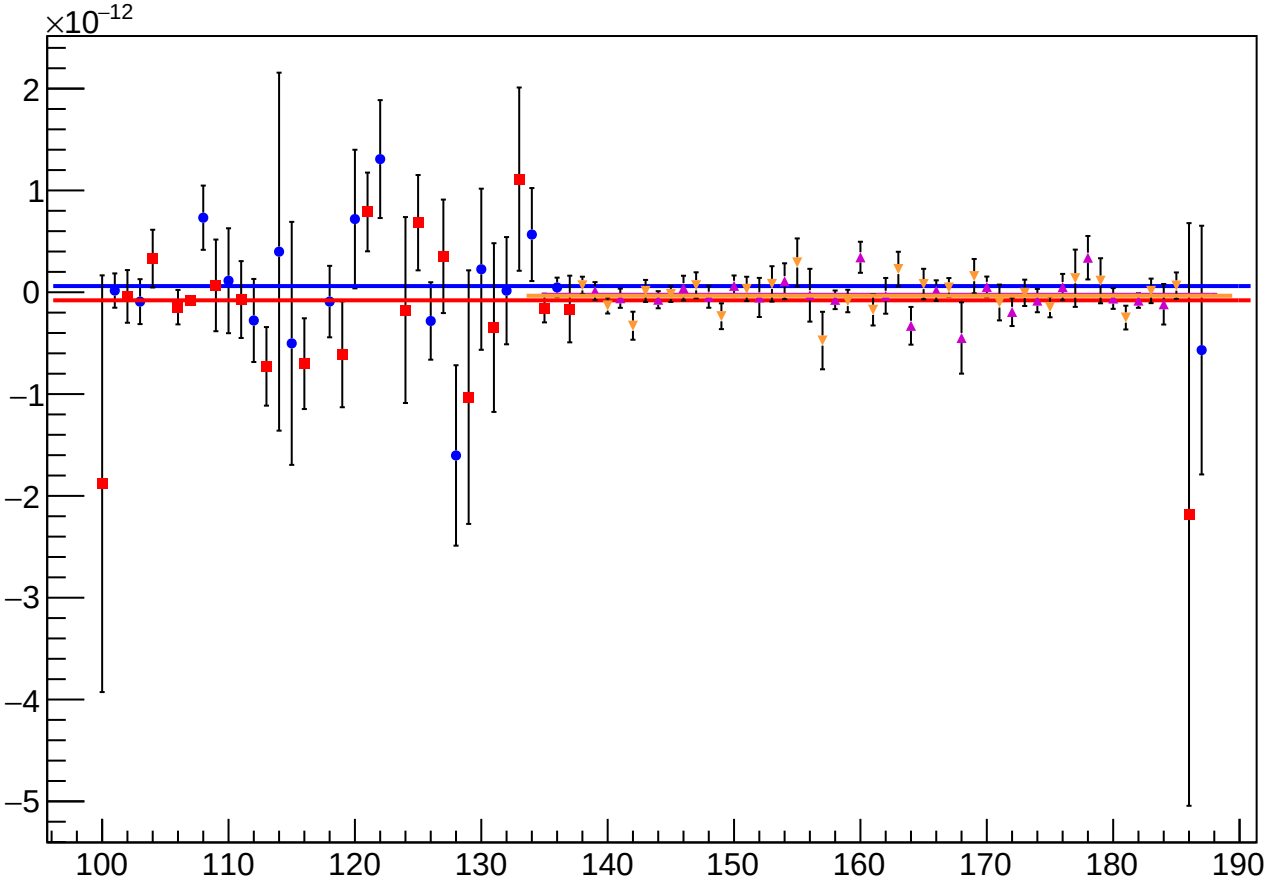
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4448.661+/-0.619 χ^2/NDF: 1554834.7/41

All: 4371.594+/-0.435 χ^2/NDF: 4125207.5/84

- sign 4296.666+/-0.611 χ^2/NDF: 2539845.1/42

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/19

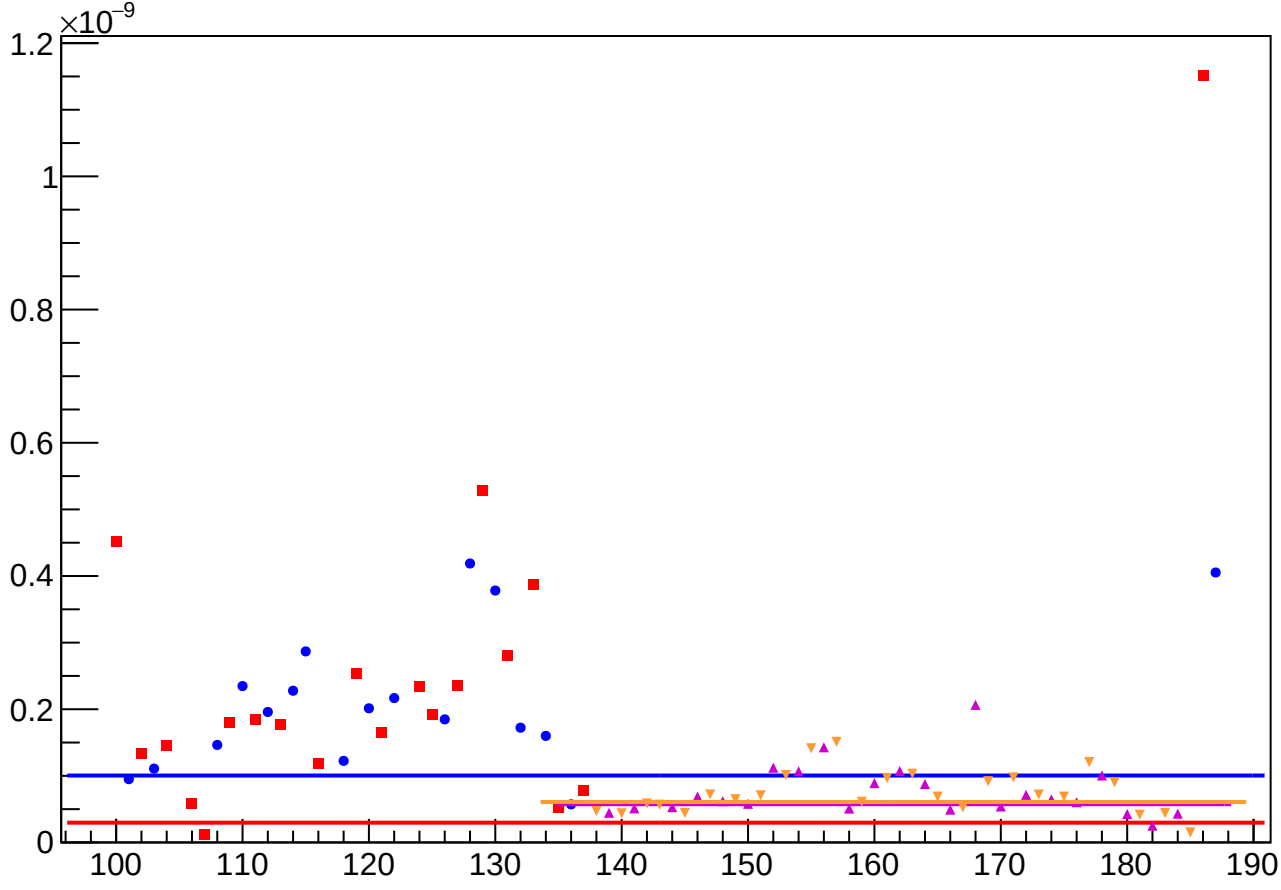
Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.9/41

All: -0.000+/-0.000 χ^2/NDF: 90.0/84

- sign -0.000+/-0.000 χ^2/NDF: 41.6/42

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1687842.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4670968.5/19

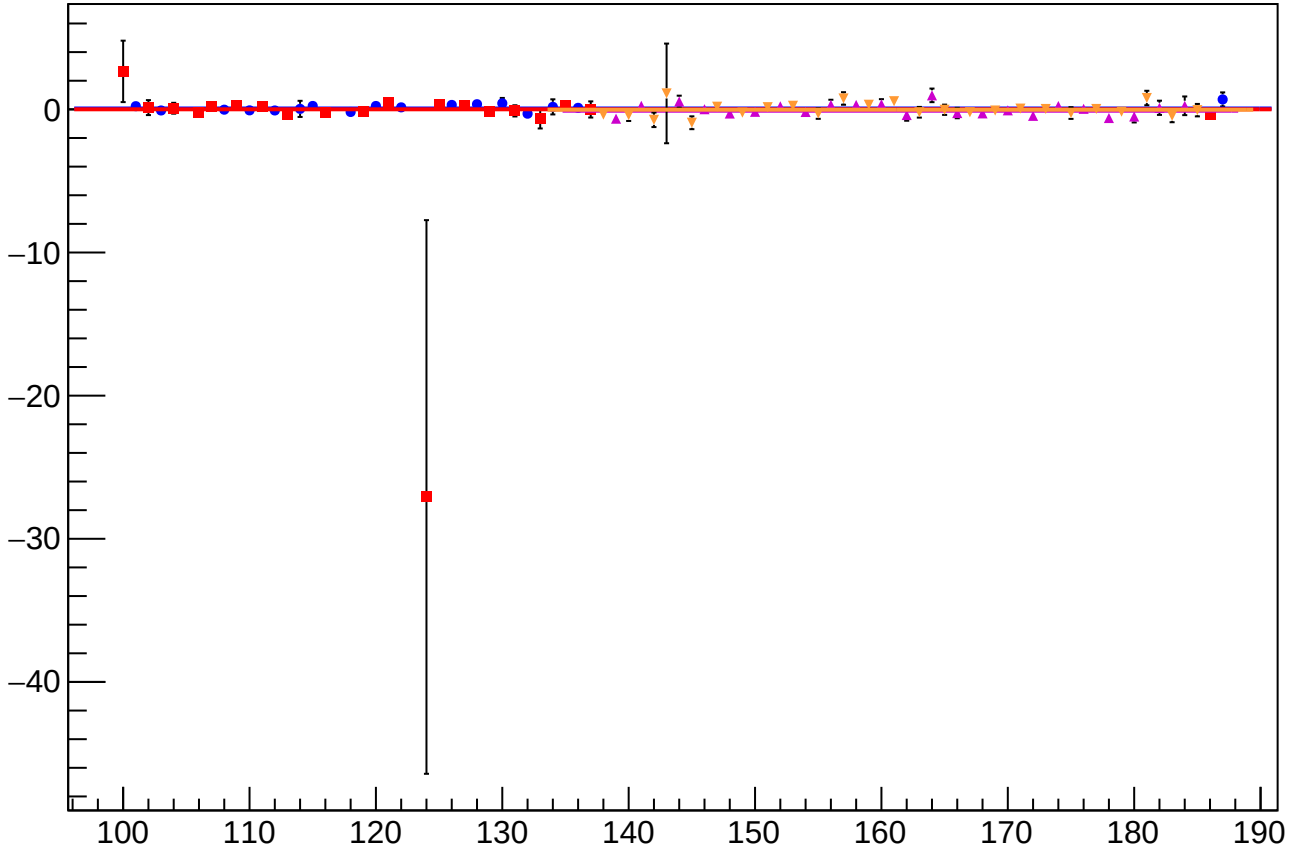
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4014553.1/41

All: 0.000+/-0.000 χ^2/NDF: 12140953.7/84

- sign 0.000+/-0.000 χ^2/NDF: 7450106.9/42

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.060 χ^2/NDF: 24.1/19

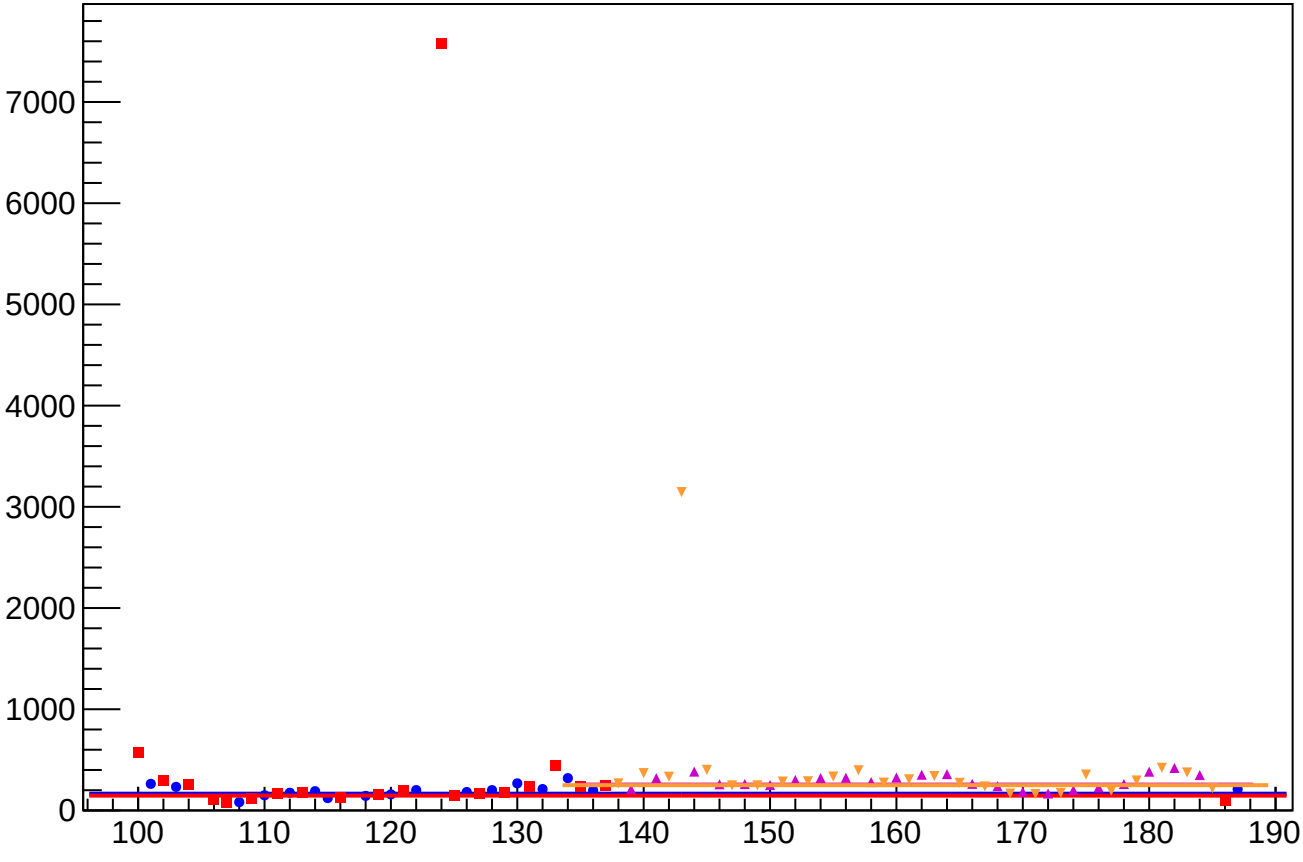
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.045 χ^2/NDF: 33.7/41

All: -0.015+/-0.031 χ^2/NDF: 91.5/84

- sign -0.043+/-0.043 χ^2/NDF: 56.9/42

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 165.674+/-0.047 χ^2/NDF: 1491436.5/16

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

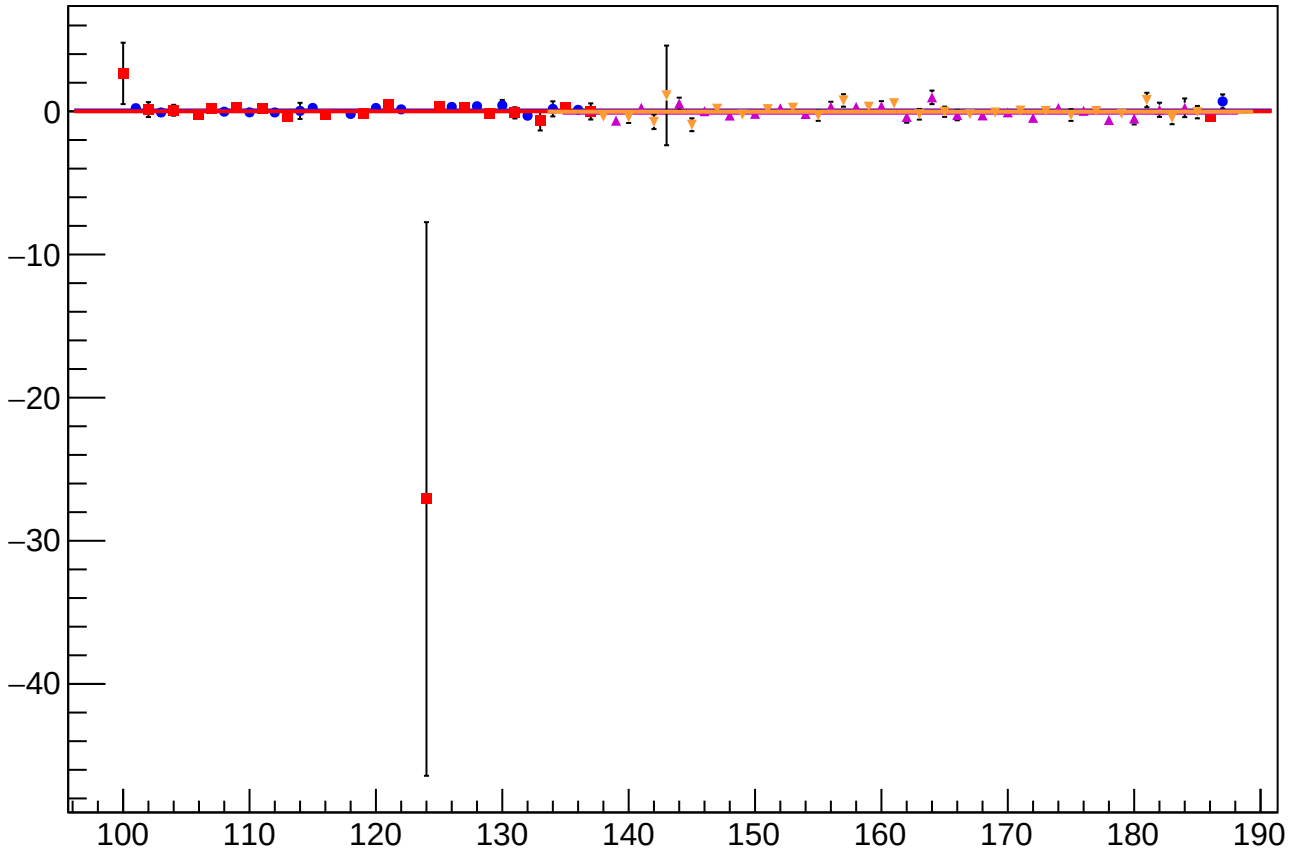
Right Out: 146.661+/-0.042 χ^2/NDF: 2133357.3/19

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 210.526+/-0.032 χ^2/NDF: 7469410.1/41

All: 204.151+/-0.022 χ^2/NDF: 14916794.4/84

- sign 198.215+/-0.031 χ^2/NDF: 7369787.1/42



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.060 χ^2/NDF: 24.1/19

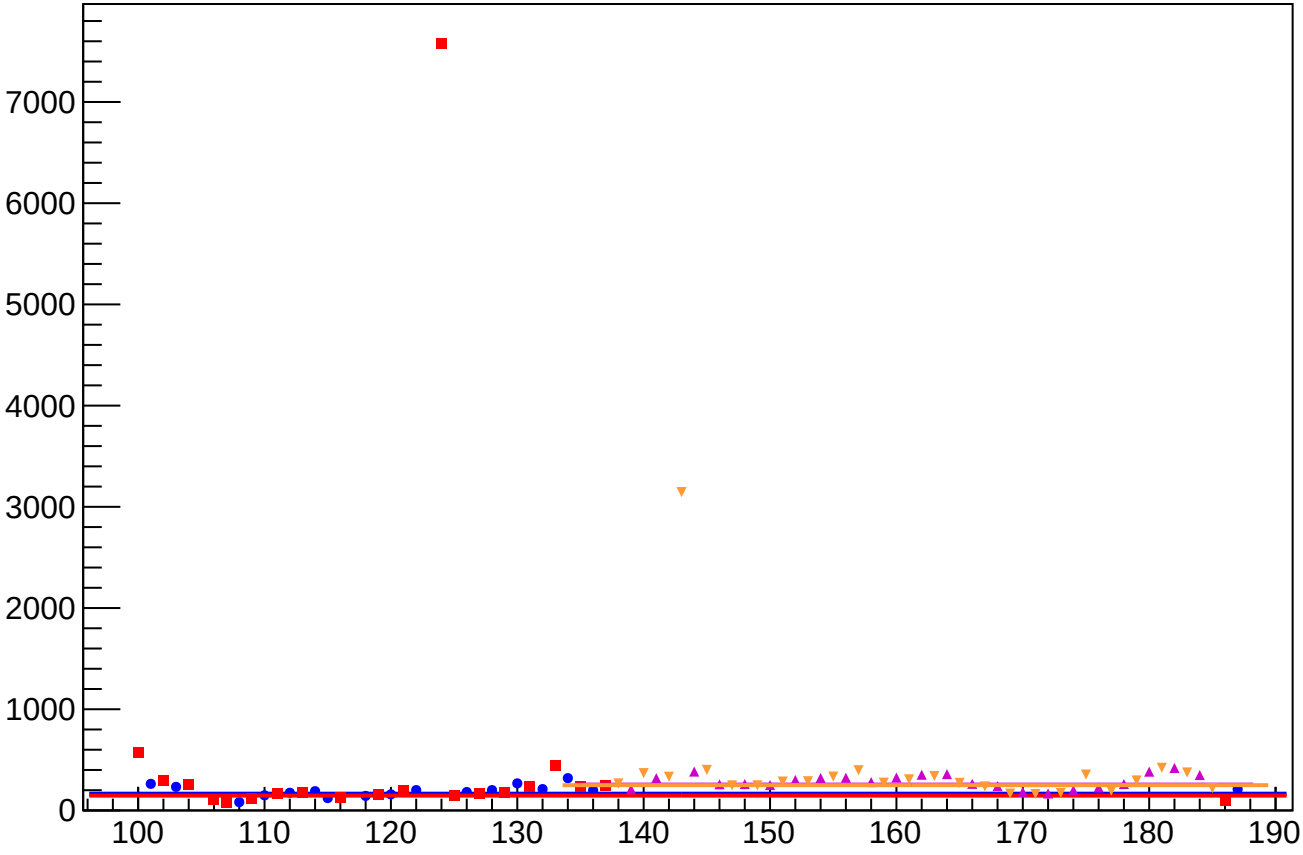
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.045 χ^2/NDF: 33.7/41

All: -0.015+/-0.031 χ^2/NDF: 91.5/84

- sign -0.043+/-0.043 χ^2/NDF: 56.9/42

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 165.674+/-0.047 χ^2/NDF: 1491436.5/16

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

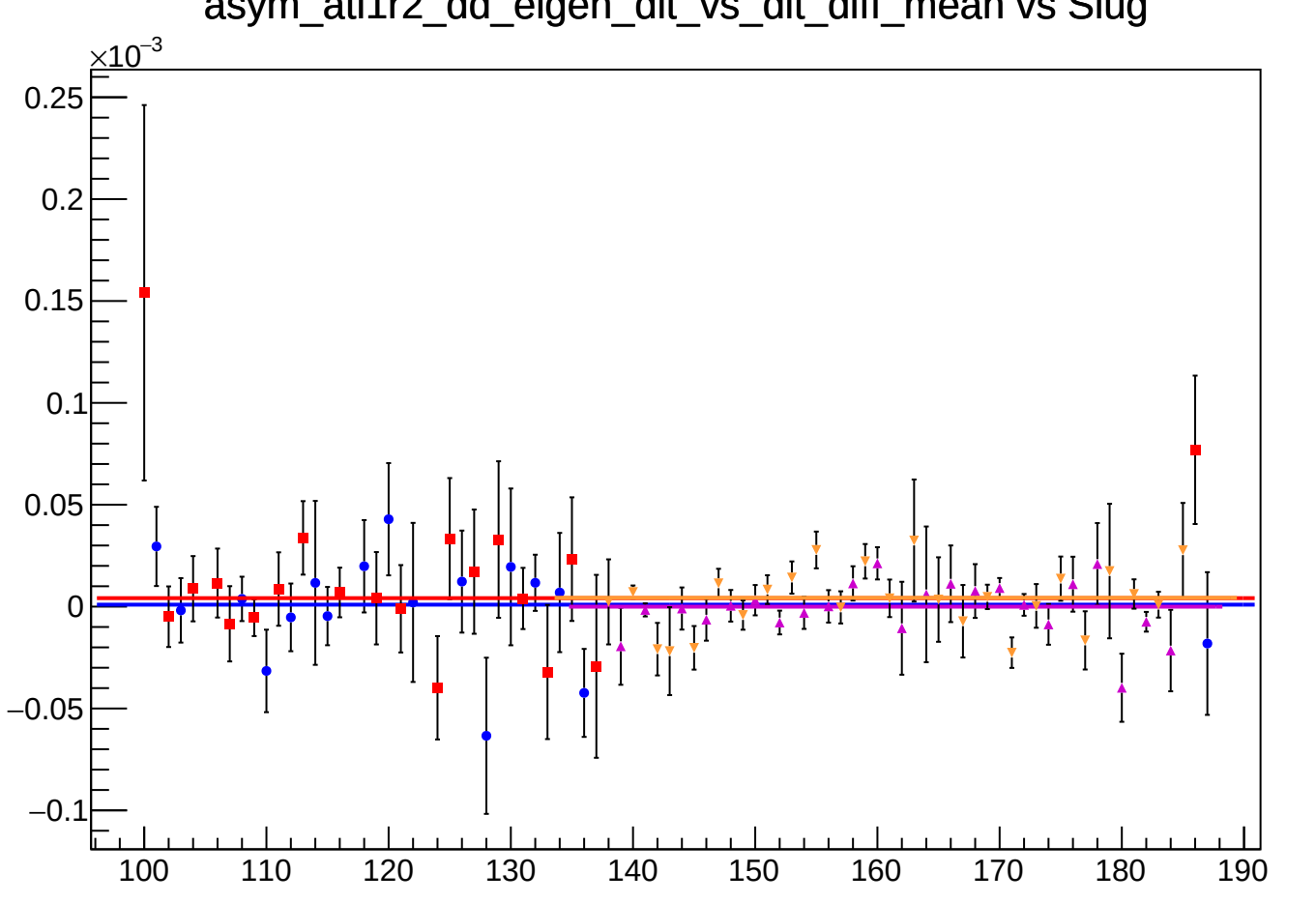
Right Out: 146.661+/-0.042 χ^2/NDF: 2133357.3/19

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

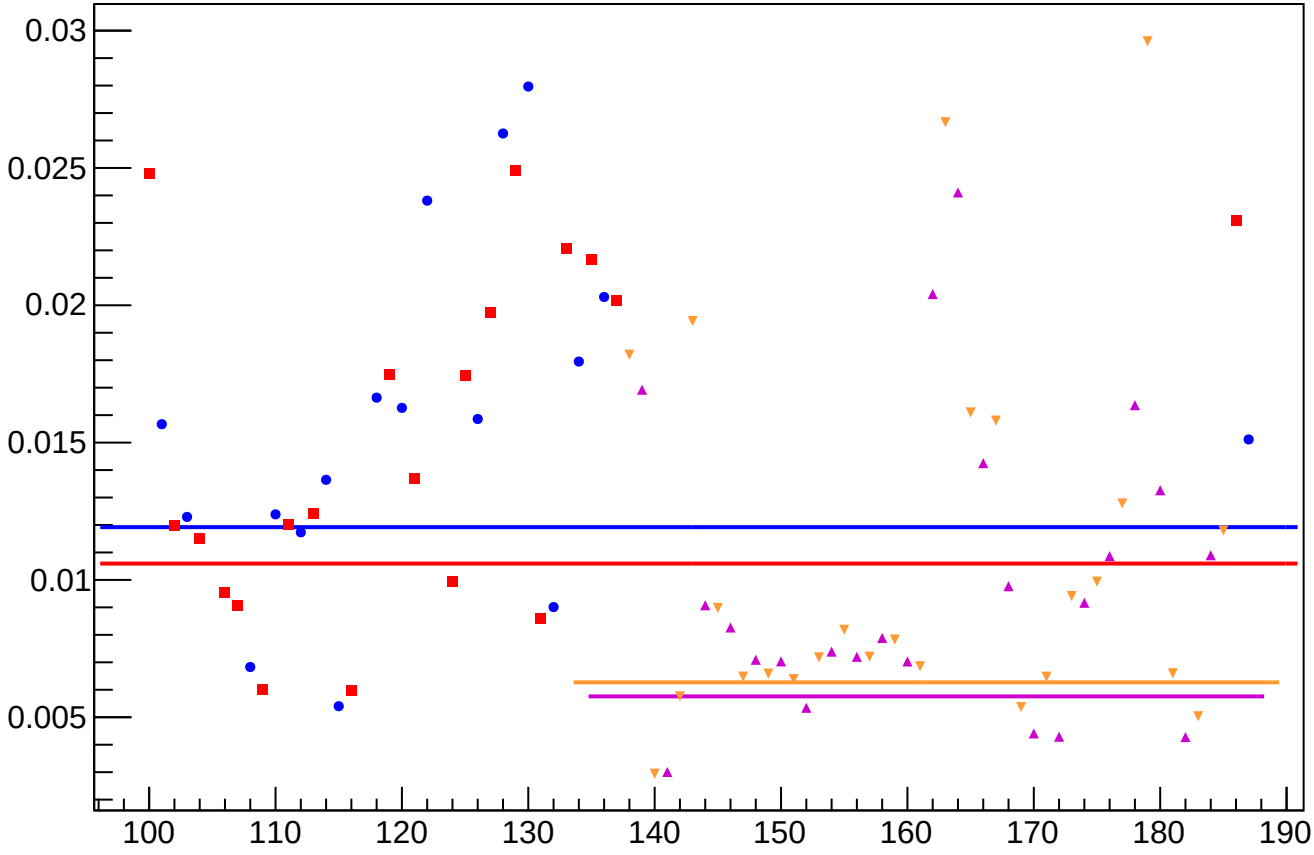
+ sign 210.526+/-0.032 χ^2/NDF: 7469410.1/41

All: 204.151+/-0.022 χ^2/NDF: 14916794.4/84

- sign 198.215+/-0.031 χ^2/NDF: 7369787.1/42


asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.4/16
Left Out: 0.000+/-0.000 χ²/NDF:46.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.6/19
Left In: -0.000+/-0.000 χ²/NDF:29.0/22
+ sign 0.000+/-0.000 χ²/NDF: 62.9/41
All: 0.000+/-0.000 χ²/NDF: 114.1/84
- sign 0.000+/-0.000 χ²/NDF: 48.5/42

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2424146.6/16

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

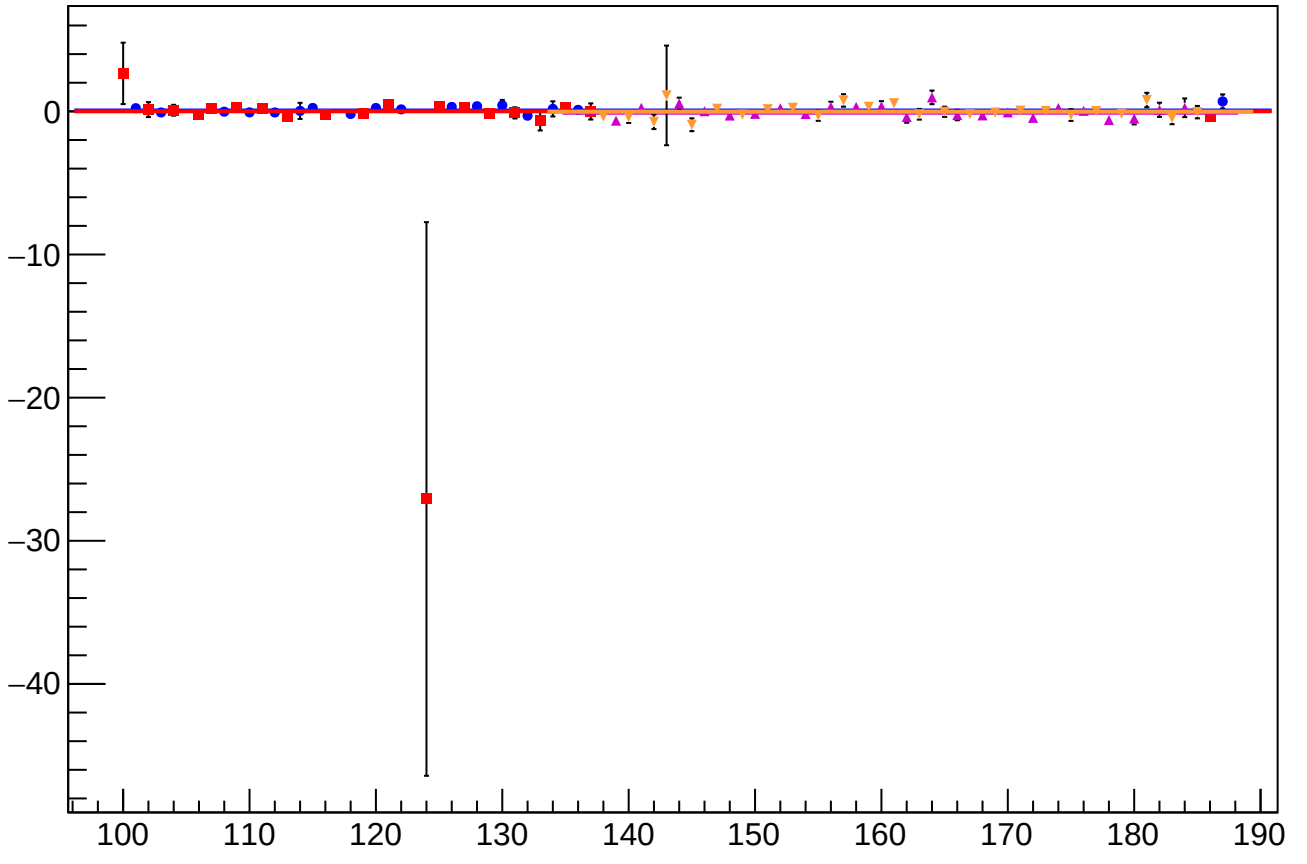
Right Out: 0.011+/-0.000 χ^2/NDF: 2593587.2/19

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 12788293.7/41

All: 0.007+/-0.000 χ^2/NDF: 24887856.3/84

- sign 0.006+/-0.000 χ^2/NDF: 11989476.6/42



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.005+/-0.060 χ^2/NDF: 24.1/19

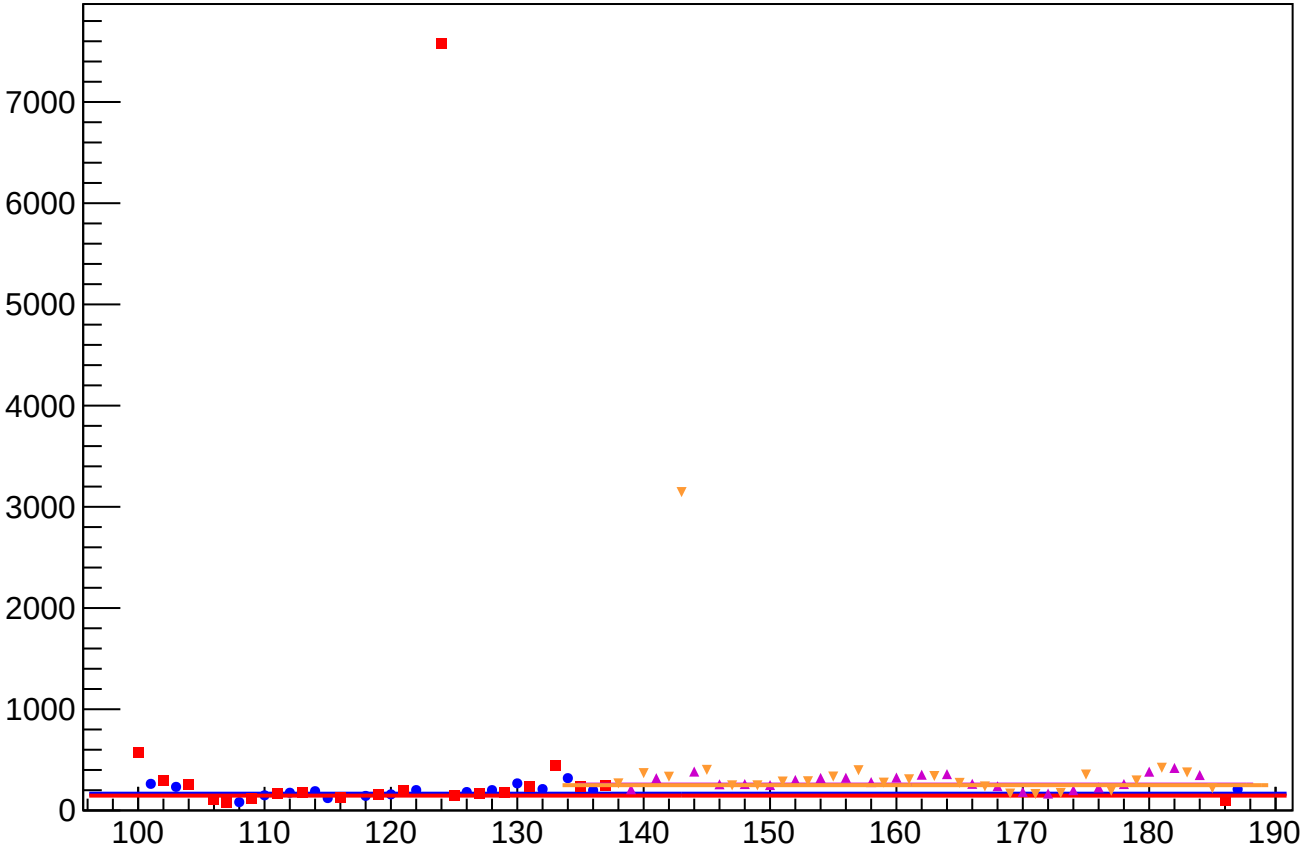
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.015+/-0.045 χ^2/NDF: 33.7/41

All: -0.015+/-0.031 χ^2/NDF: 91.5/84

\- sign -0.043+/-0.043 χ^2/NDF: 56.9/42

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 165.674+/-0.047 χ^2/NDF: 1491407.5/16

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

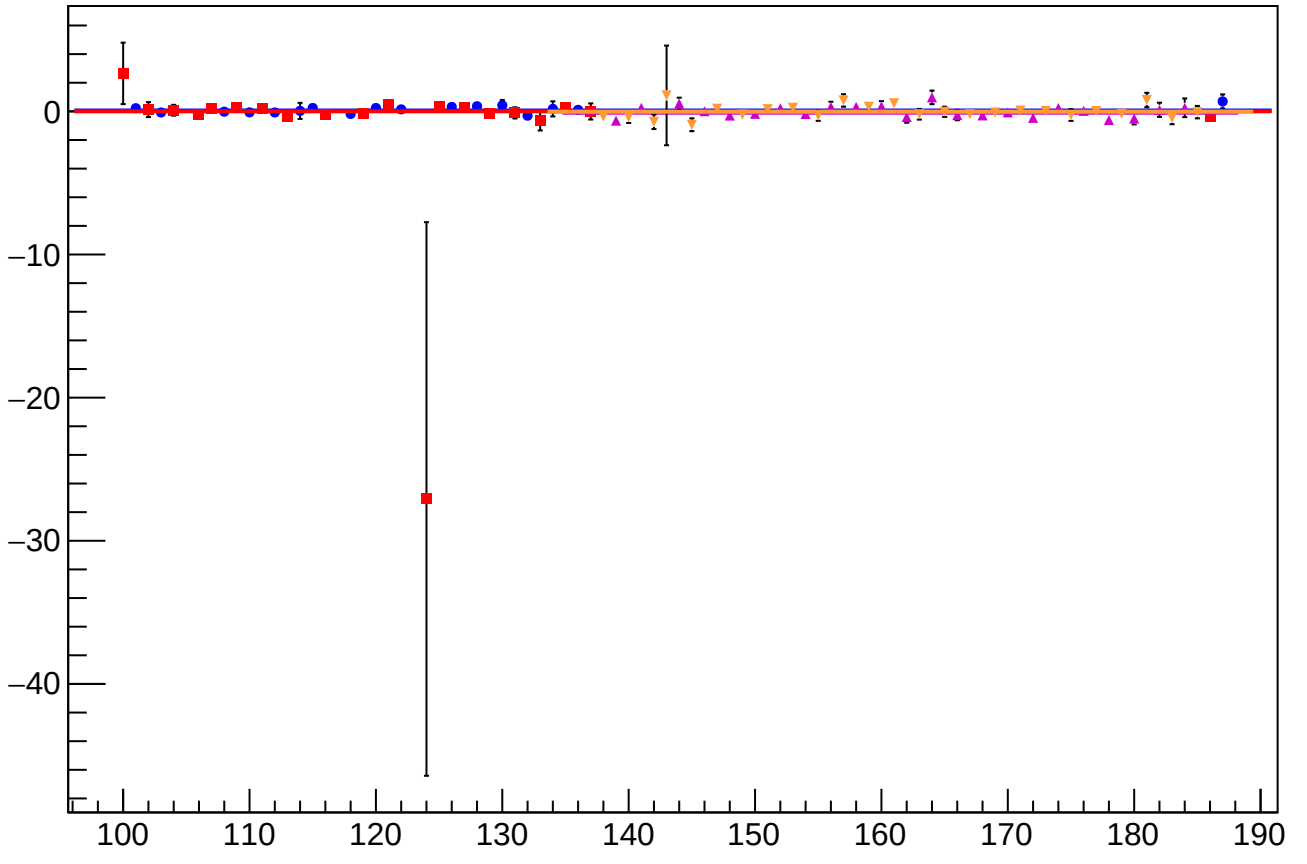
Right Out: 146.662+/-0.042 χ^2/NDF: 2133326.9/19

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.527+/-0.032 χ^2/NDF: 7469547.0/41

All: 204.152+/-0.022 χ^2/NDF: 14916950.2/84

- sign 198.216+/-0.031 χ^2/NDF: 7369820.9/42



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

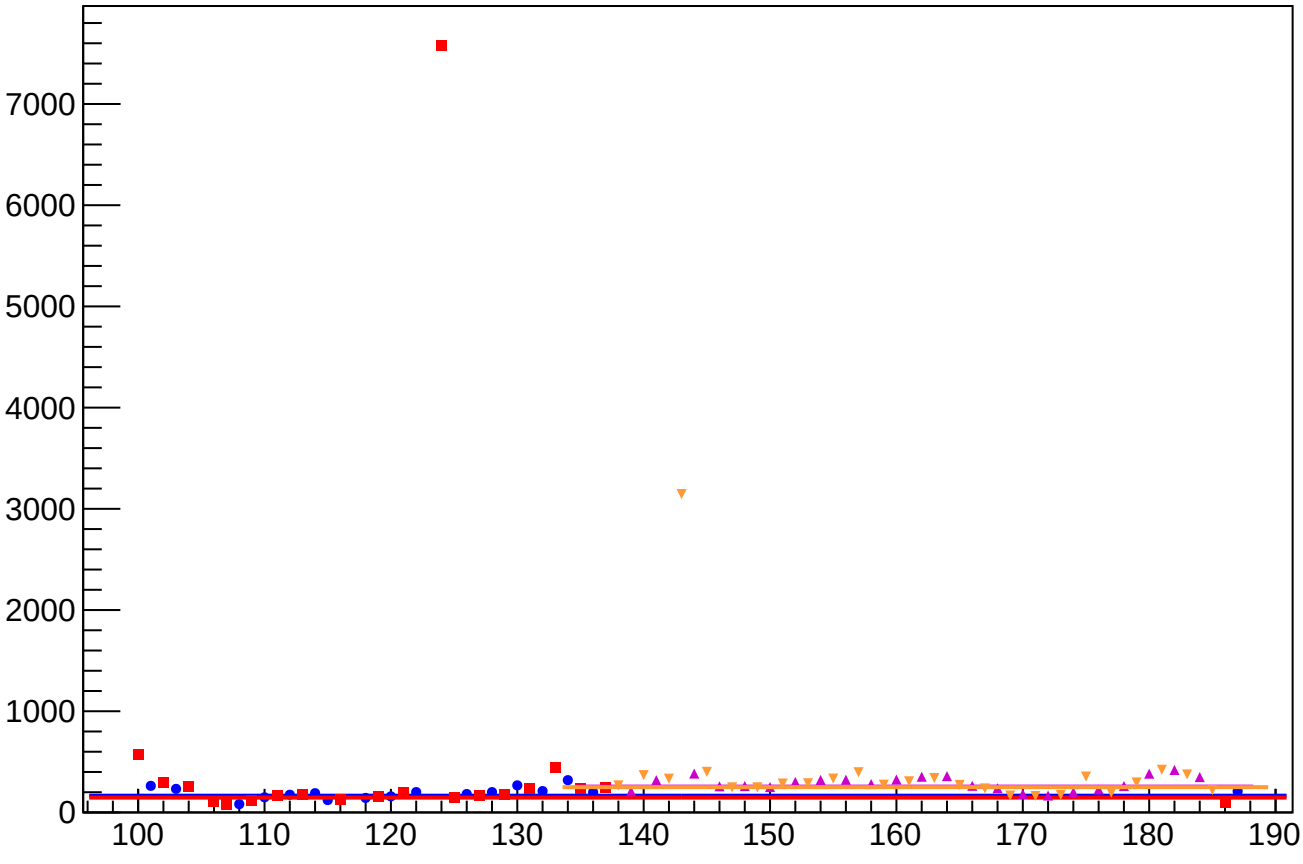
Right Out: 0.005+/-0.060 χ^2/NDF: 24.1/19

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.015+/-0.045 χ^2/NDF: 33.7/41

All: -0.015+/-0.031 χ^2/NDF: 91.5/84

\- sign -0.043+/-0.043 χ^2/NDF: 56.9/42



Right In: 165.674+/-0.047 χ^2/NDF: 1491407.5/16

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

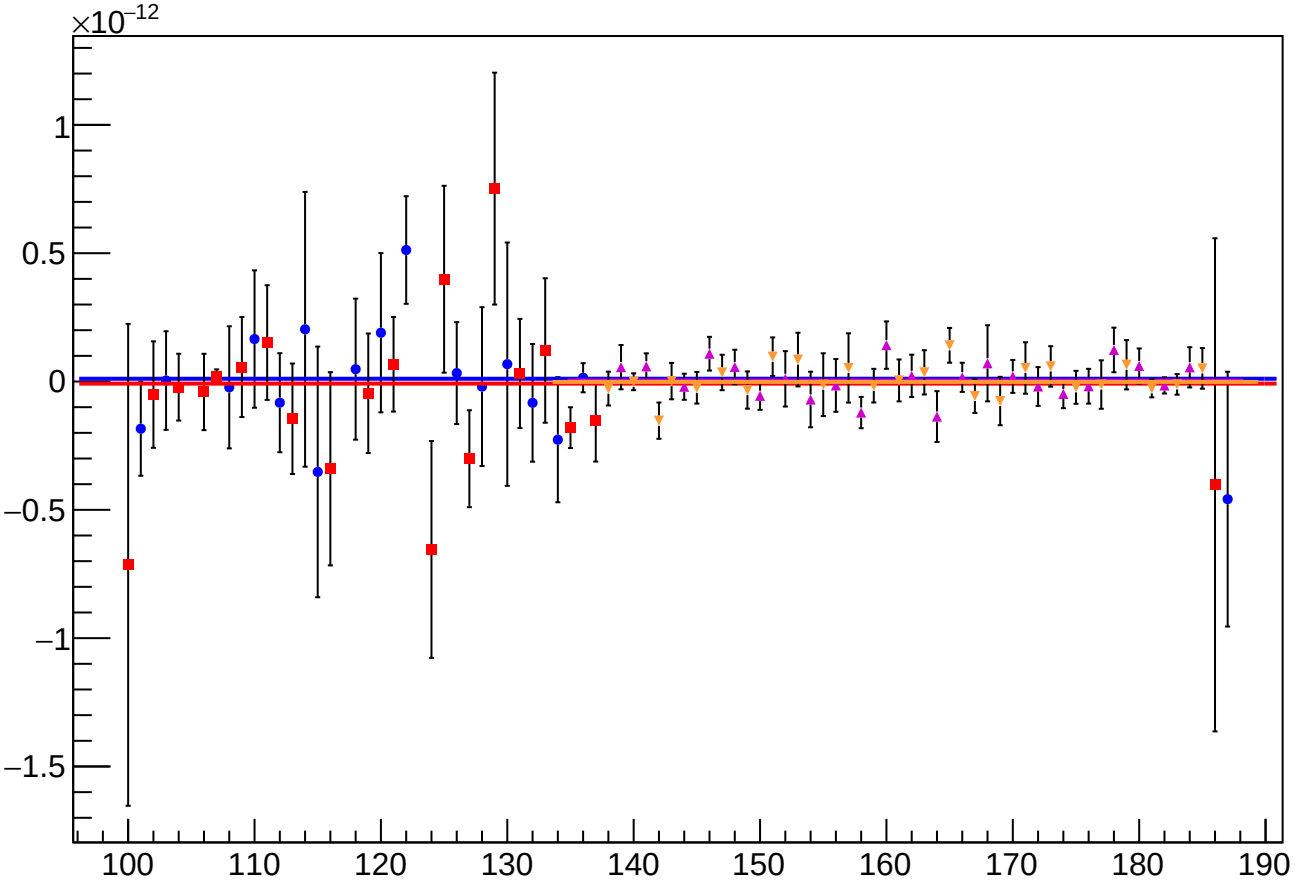
Right Out: 146.662+/-0.042 χ^2/NDF: 2133326.9/19

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 210.527+/-0.032 χ^2/NDF: 7469547.0/41

All: 204.152+/-0.022 χ^2/NDF: 14916950.2/84

- sign 198.216+/-0.031 χ^2/NDF: 7369820.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

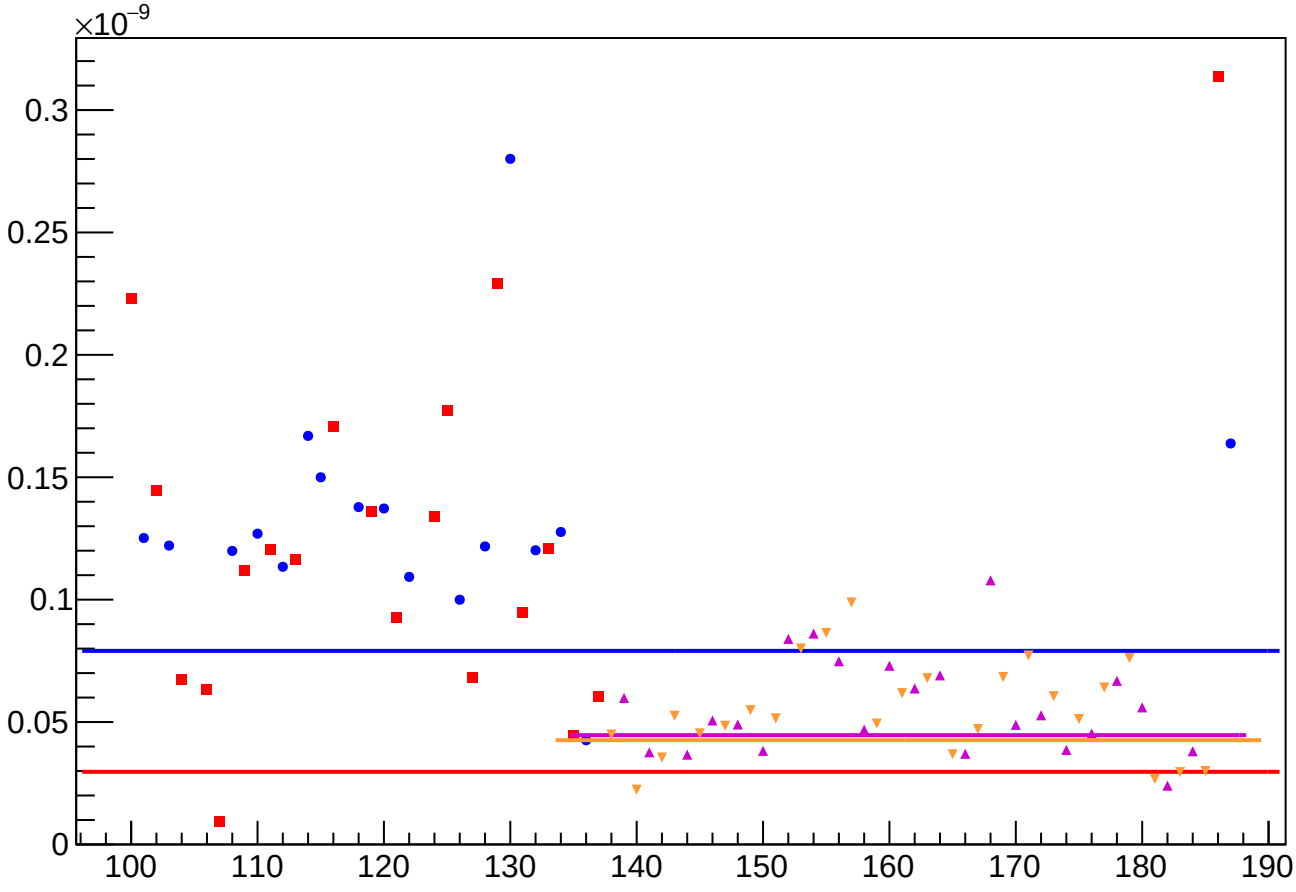
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.0/41

All: 0.000+/-0.000 χ^2/NDF: 65.6/84

- sign 0.000+/-0.000 χ^2/NDF: 38.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 2161705.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5662029.4/19

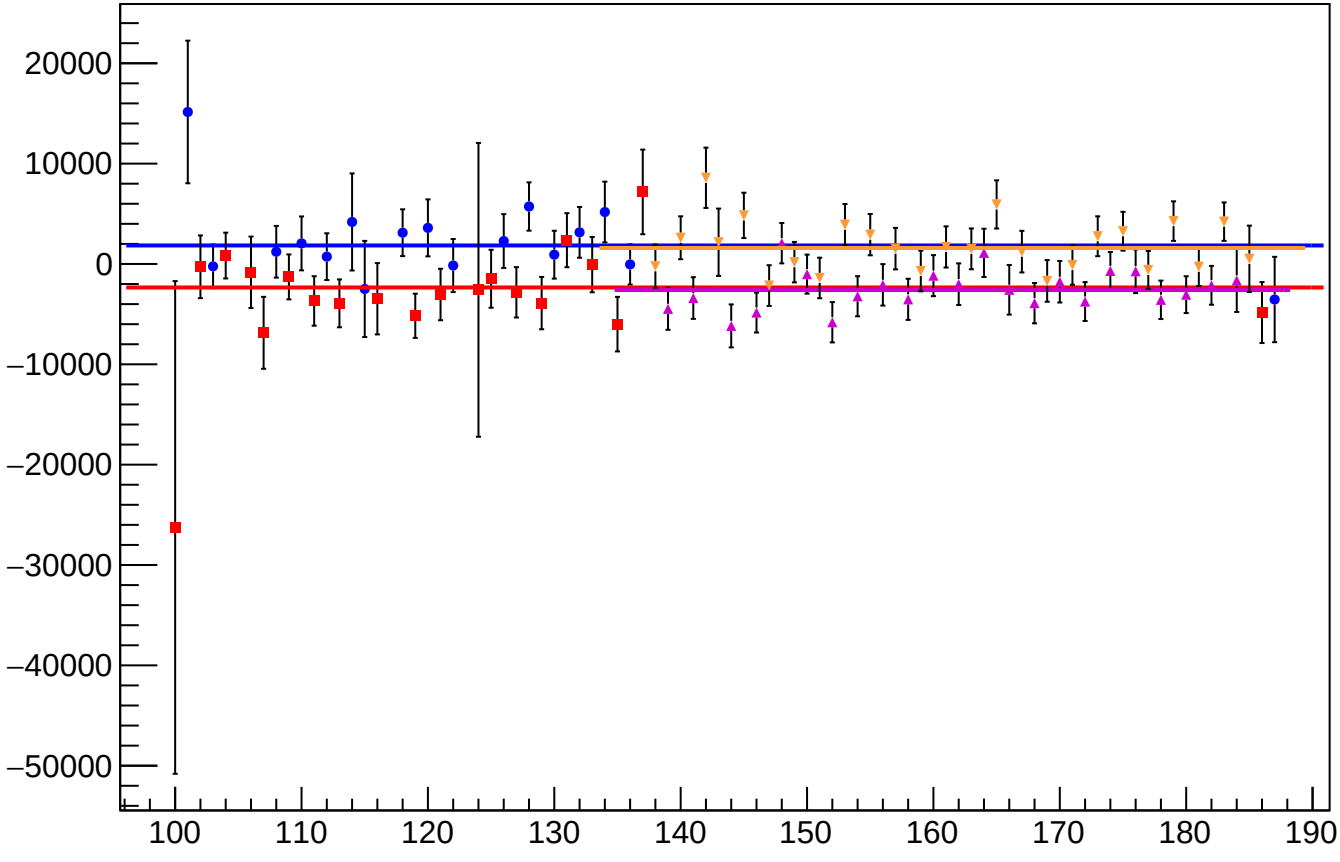
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7174337.3/41

All: 0.000+/-0.000 χ^2/NDF: 16507565.7/84

- sign 0.000+/-0.000 χ^2/NDF: 9164029.8/42

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1843.574+/-659.631 χ^2/NDF: 13.8/16

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2342.759+/-641.486 χ^2/NDF: 19.7/19

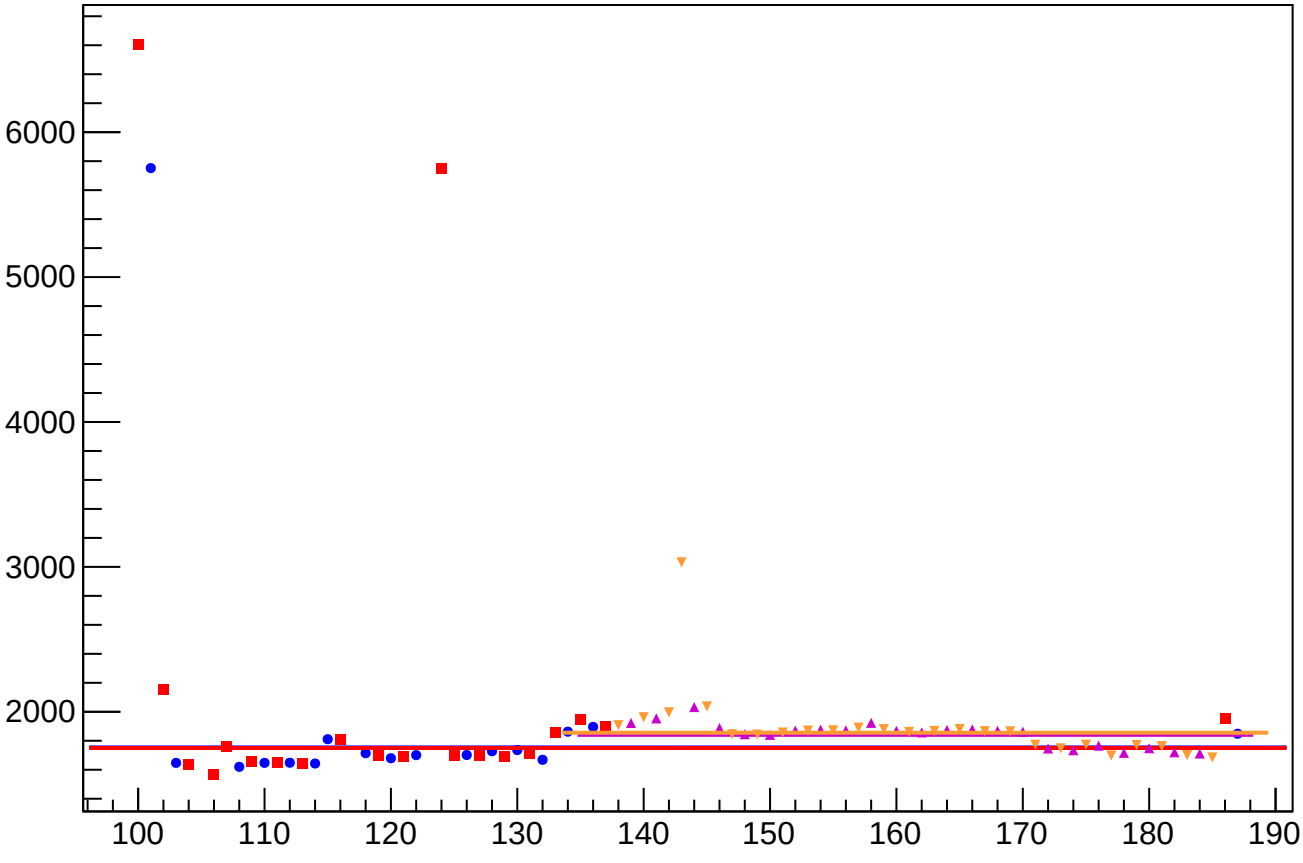
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1665.709+/-356.253 χ^2/NDF: 45.1/41

All: -420.044+/-252.295 χ^2/NDF: 153.8/84

- sign -2518.615+/-357.347 χ^2/NDF: 39.9/42

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.1/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1750.423+/-0.450 χ^2/NDF: 314066.3/19

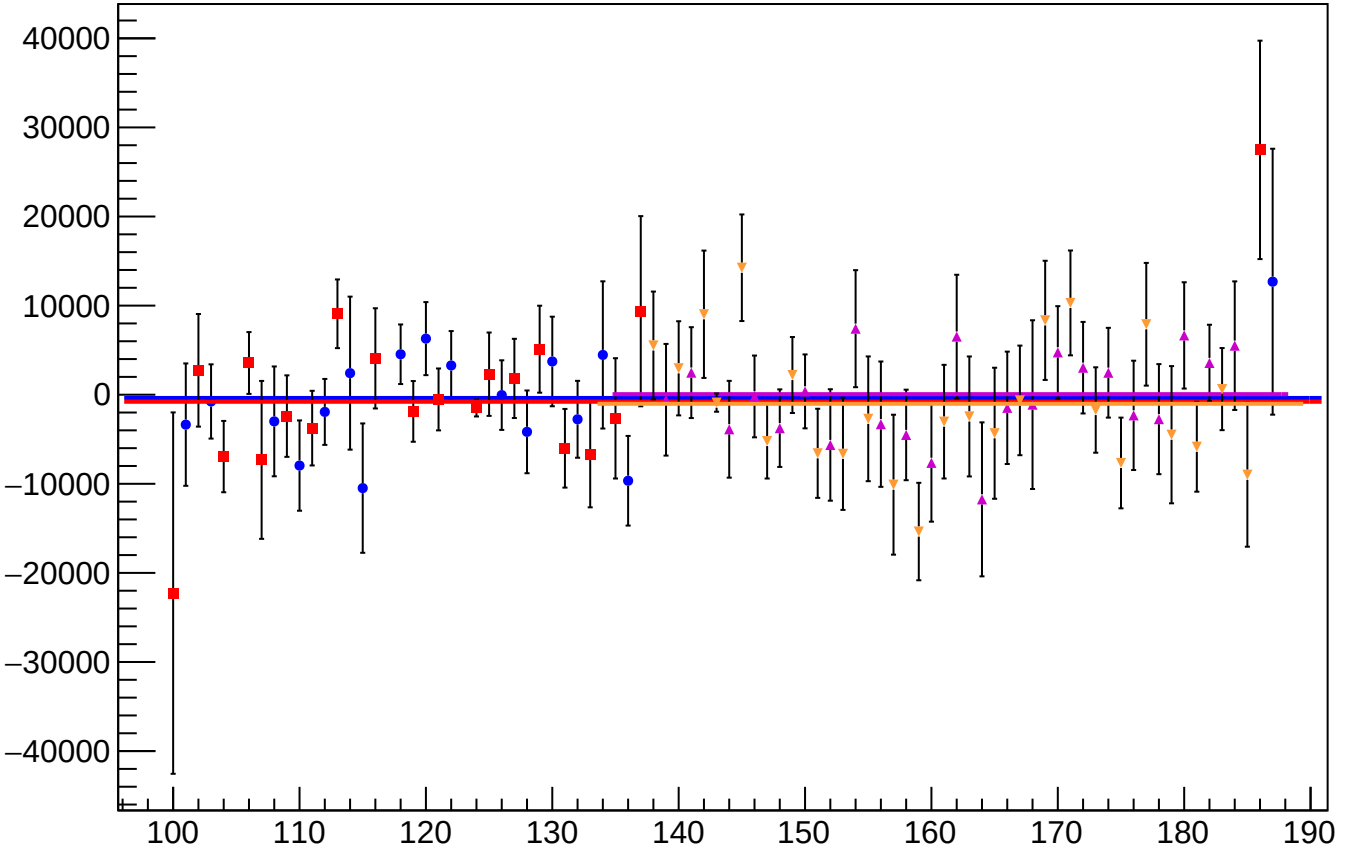
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.918+/-0.252 χ^2/NDF: 1029555.2/41

All: 1819.267+/-0.178 χ^2/NDF: 1443760.1/84

- sign 1812.605+/-0.252 χ^2/NDF: 412809.6/42

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -363.467+/-1170.828 χ^2/NDF: 16.7/16

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -793.130+/-724.468 χ^2/NDF: 25.4/19

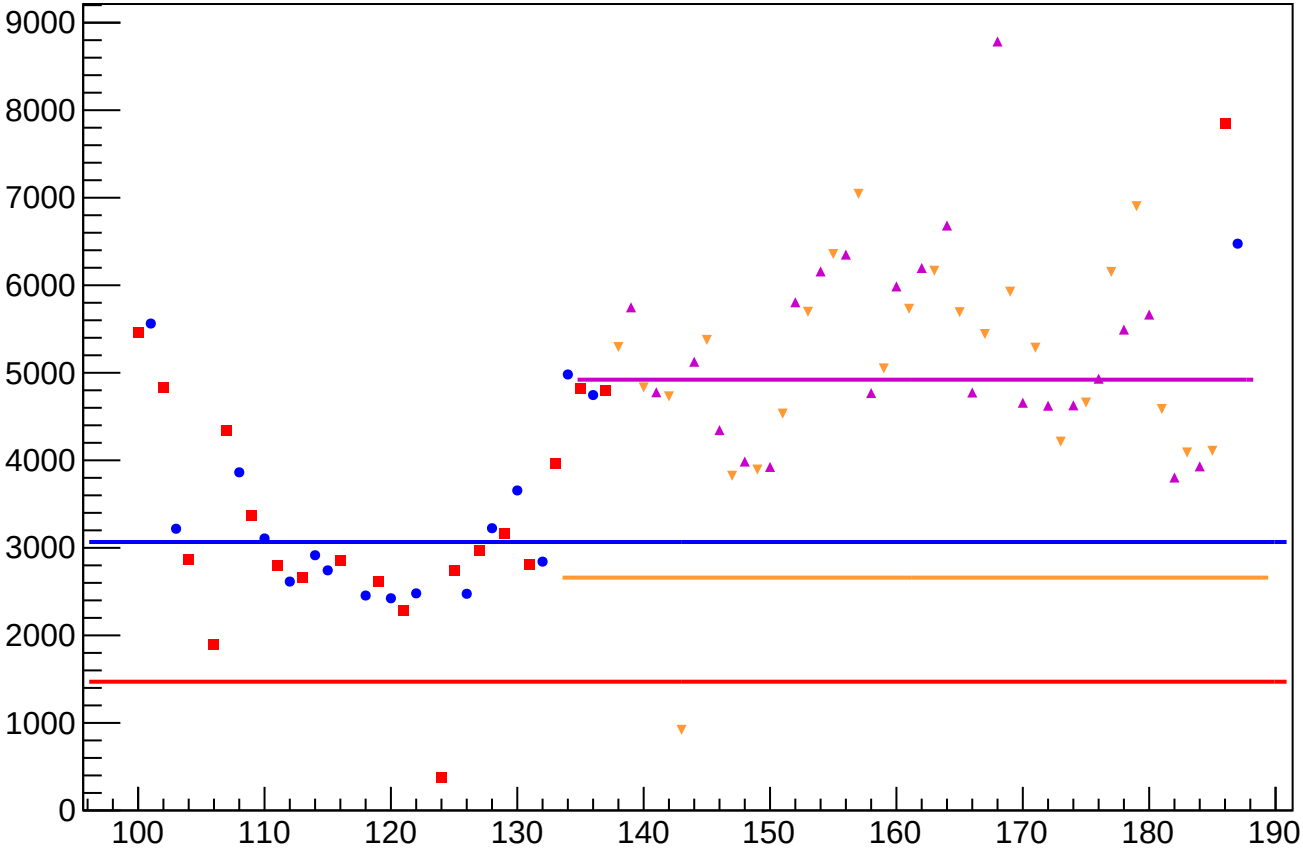
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -820.330+/-644.400 χ^2/NDF: 50.7/41

All: -682.845+/-445.448 χ^2/NDF: 89.6/84

- sign -557.030+/-616.446 χ^2/NDF: 38.8/42

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3067.025+/-0.828 χ^2/NDF: 1012336.5/16

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

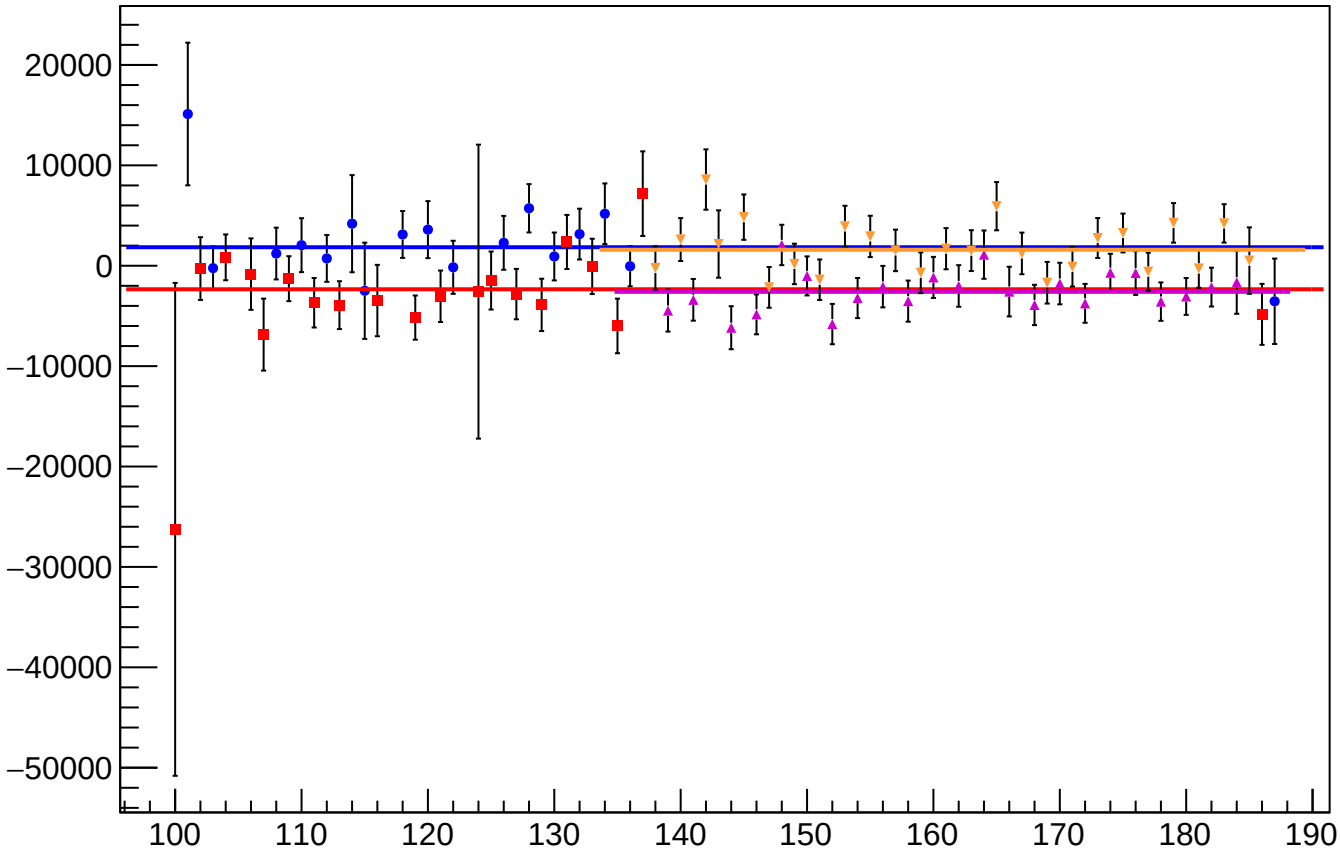
Right Out: 1470.884+/-0.512 χ^2/NDF: 7330662.4/19

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 2783.302+/-0.456 χ^2/NDF: 15716891.3/41

All: 2595.235+/-0.315 χ^2/NDF: 37145219.4/8

- sign 2423.132+/-0.436 χ^2/NDF: 21102087.7/42



Right In: 1843.233+/-659.631 χ^2/NDF: 13.7/16

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2342.846+/-641.486 χ^2/NDF: 19.7/19

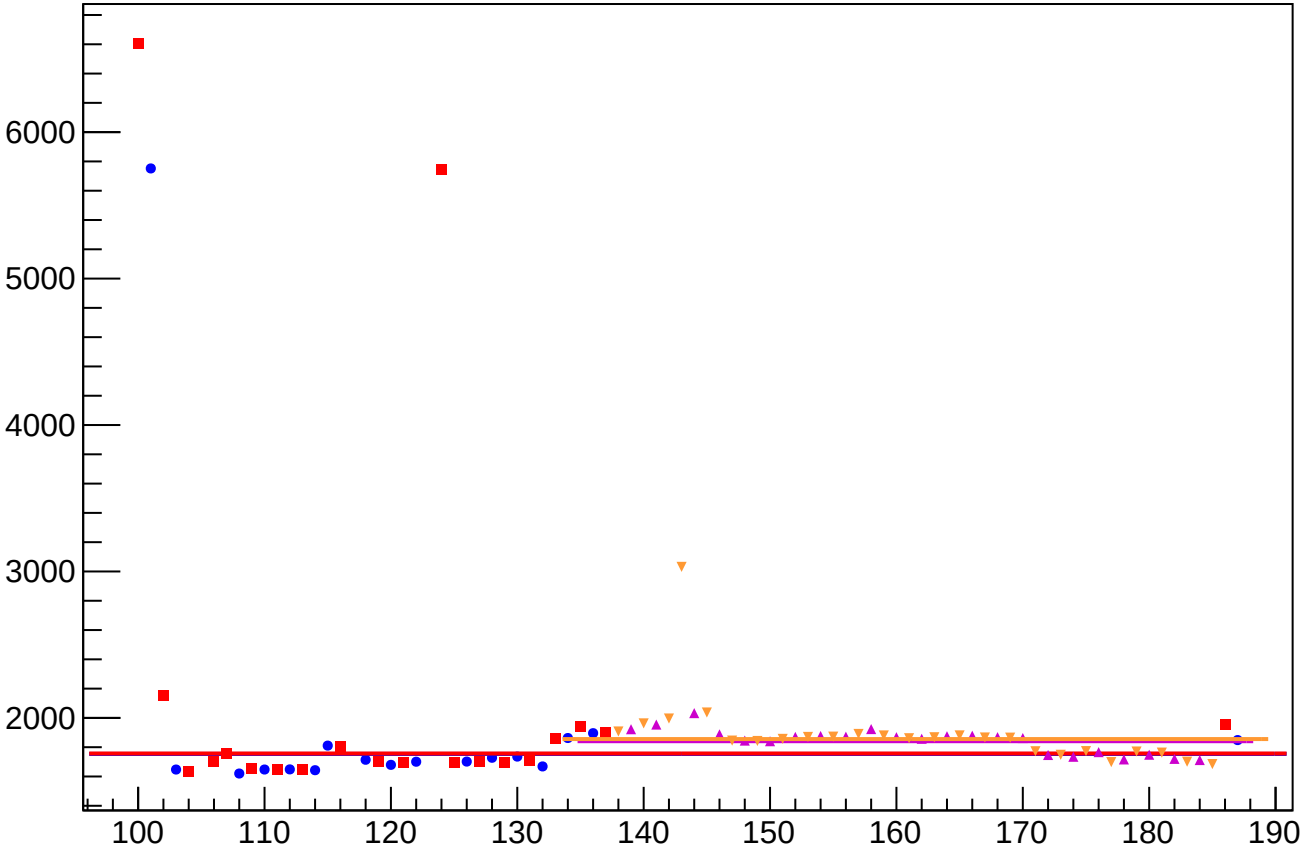
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1665.587+/-356.254 χ^2/NDF: 45.1/41

All: -420.144+/-252.295 χ^2/NDF: 153.8/84

- sign -2518.692+/-357.347 χ^2/NDF: 39.9/42

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.4/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1756.924+/-0.452 χ^2/NDF: 306740.6/19

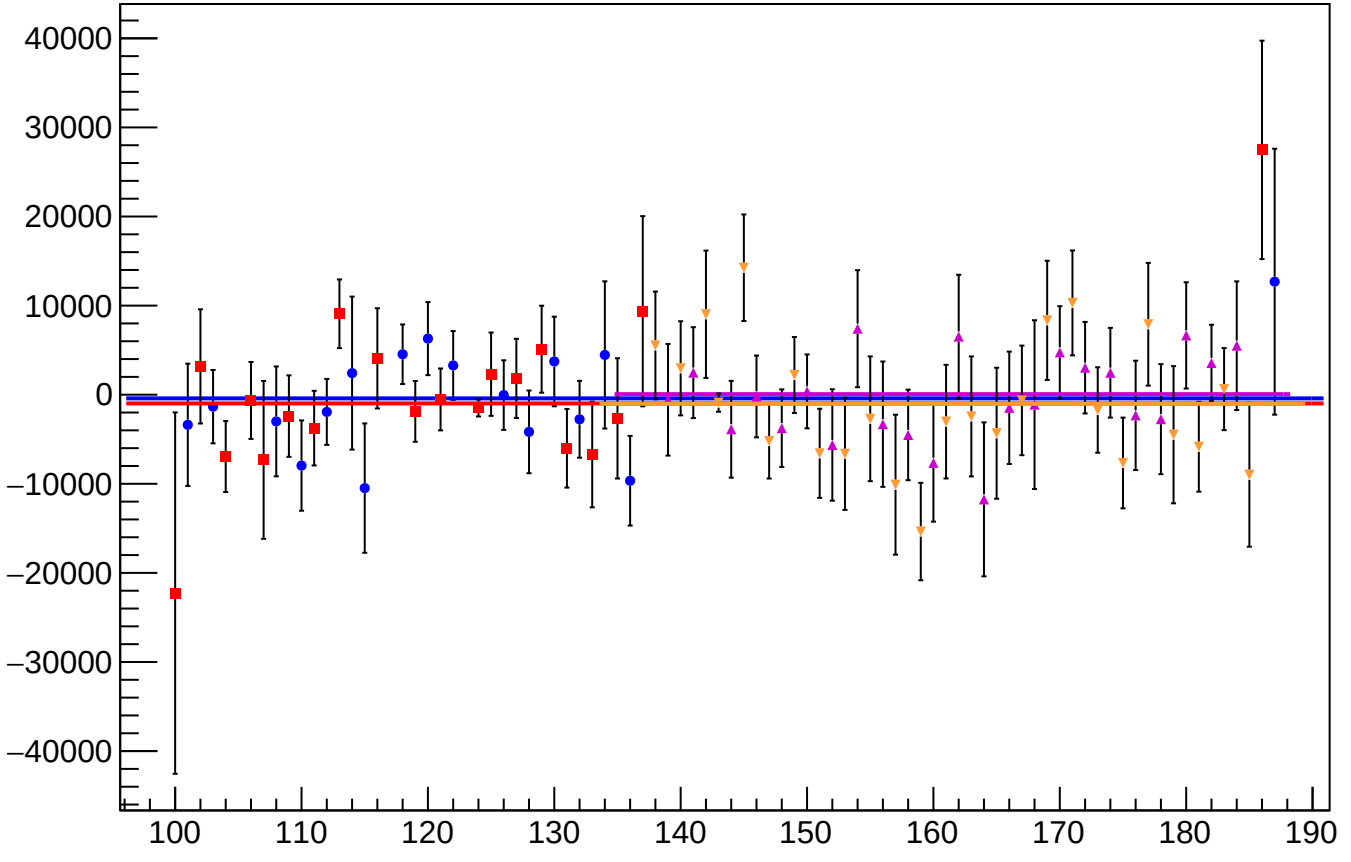
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.918+/-0.252 χ^2/NDF: 1029555.7/41

All: 1820.354+/-0.178 χ^2/NDF: 1432061.1/84

- sign 1814.768+/-0.252 χ^2/NDF: 401527.7/42

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -411.977+/-1169.630 χ^2/NDF: 16.7/16

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -979.584+/-730.159 χ^2/NDF: 23.9/19

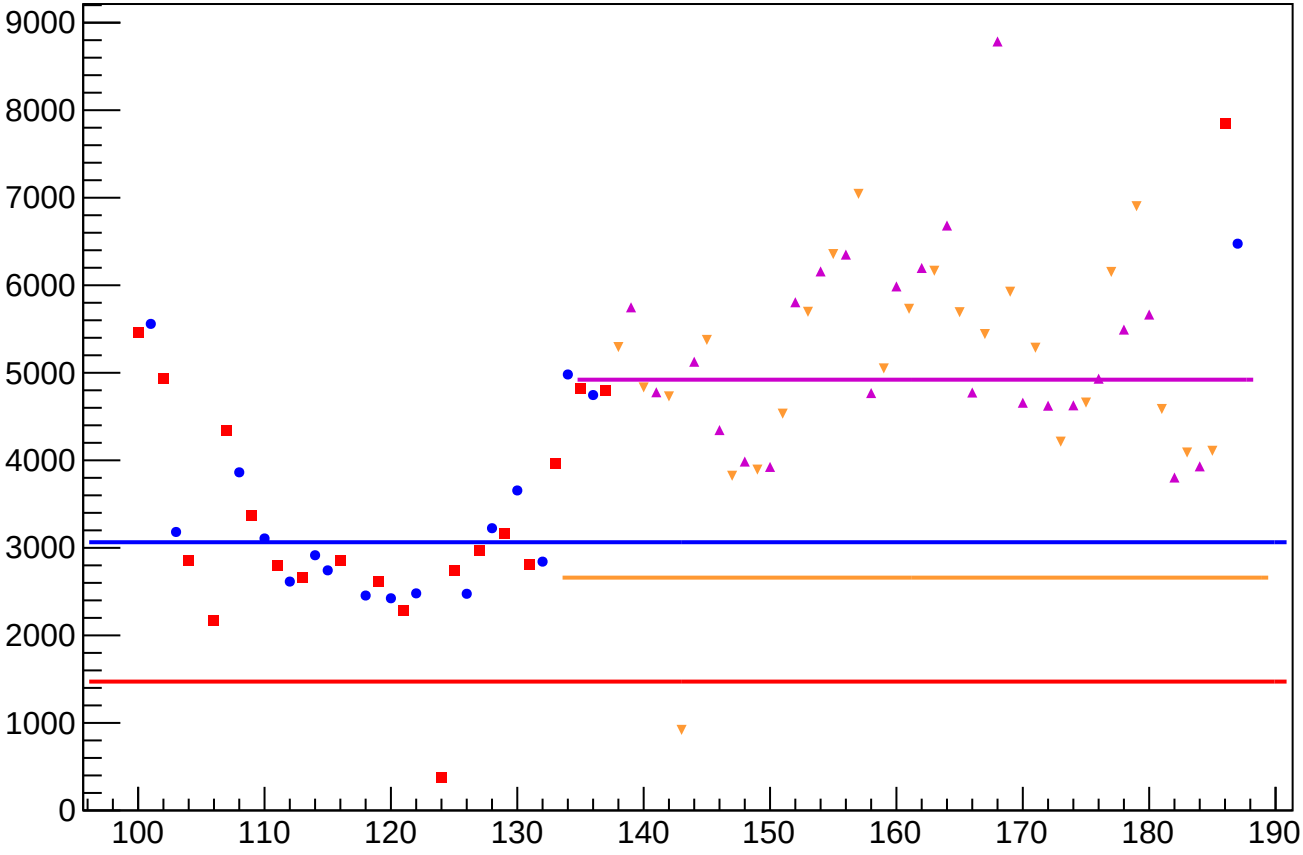
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -834.664+/-644.190 χ^2/NDF: 50.7/41

All: -758.925+/-446.691 χ^2/NDF: 88.2/84

- sign -688.781+/-619.940 χ^2/NDF: 37.5/42

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3064.350+/-0.827 χ^2/NDF: 1010774.7/16

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1472.230+/-0.516 χ^2/NDF: 7369253.6/19

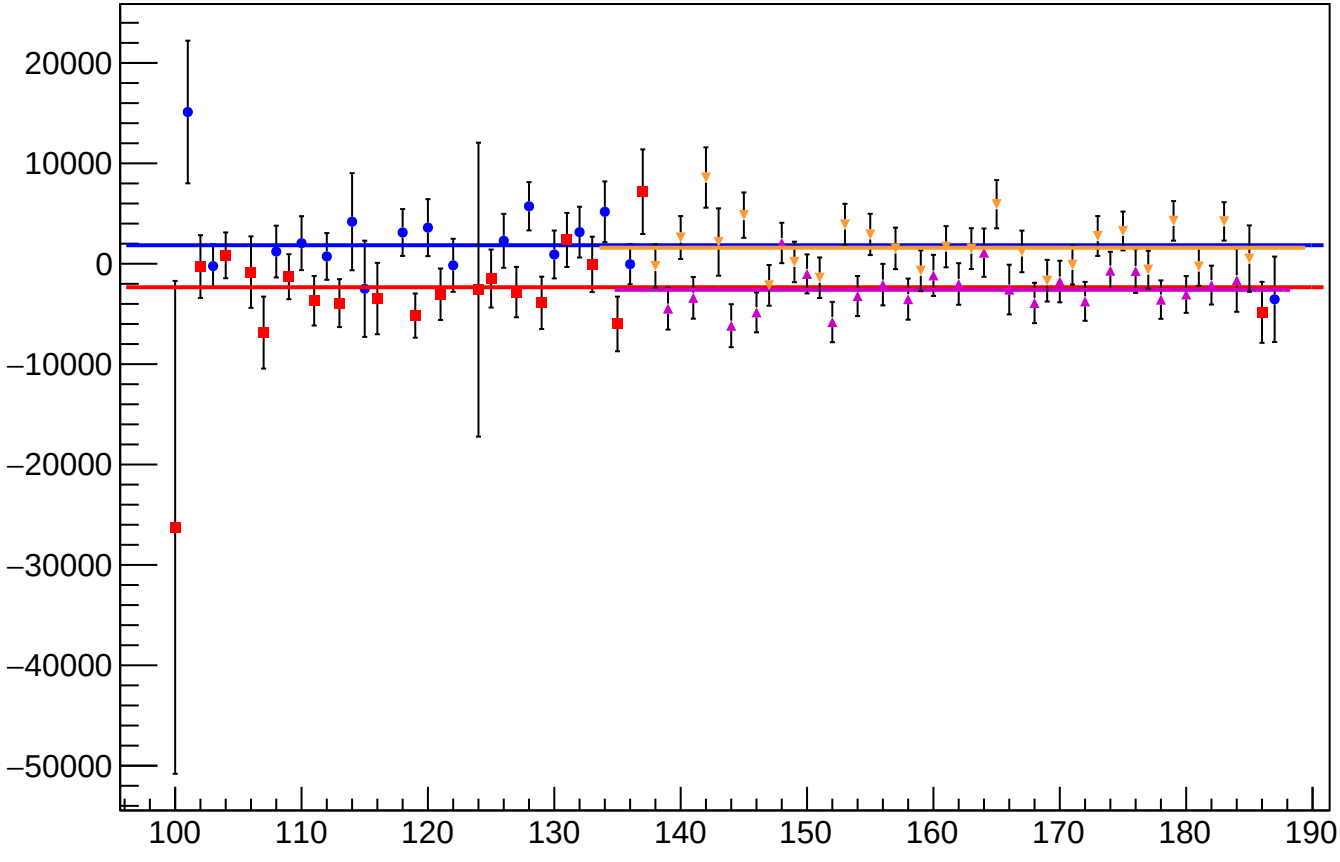
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 2782.591+/-0.456 χ^2/NDF: 15714185.7/41

All: 2602.093+/-0.316 χ^2/NDF: 37093308.7/8

- sign 2434.929+/-0.438 χ^2/NDF: 21076688.2/42

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1843.233+/-659.631 χ^2/NDF: 13.7/16

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2342.846+/-641.486 χ^2/NDF: 19.7/19

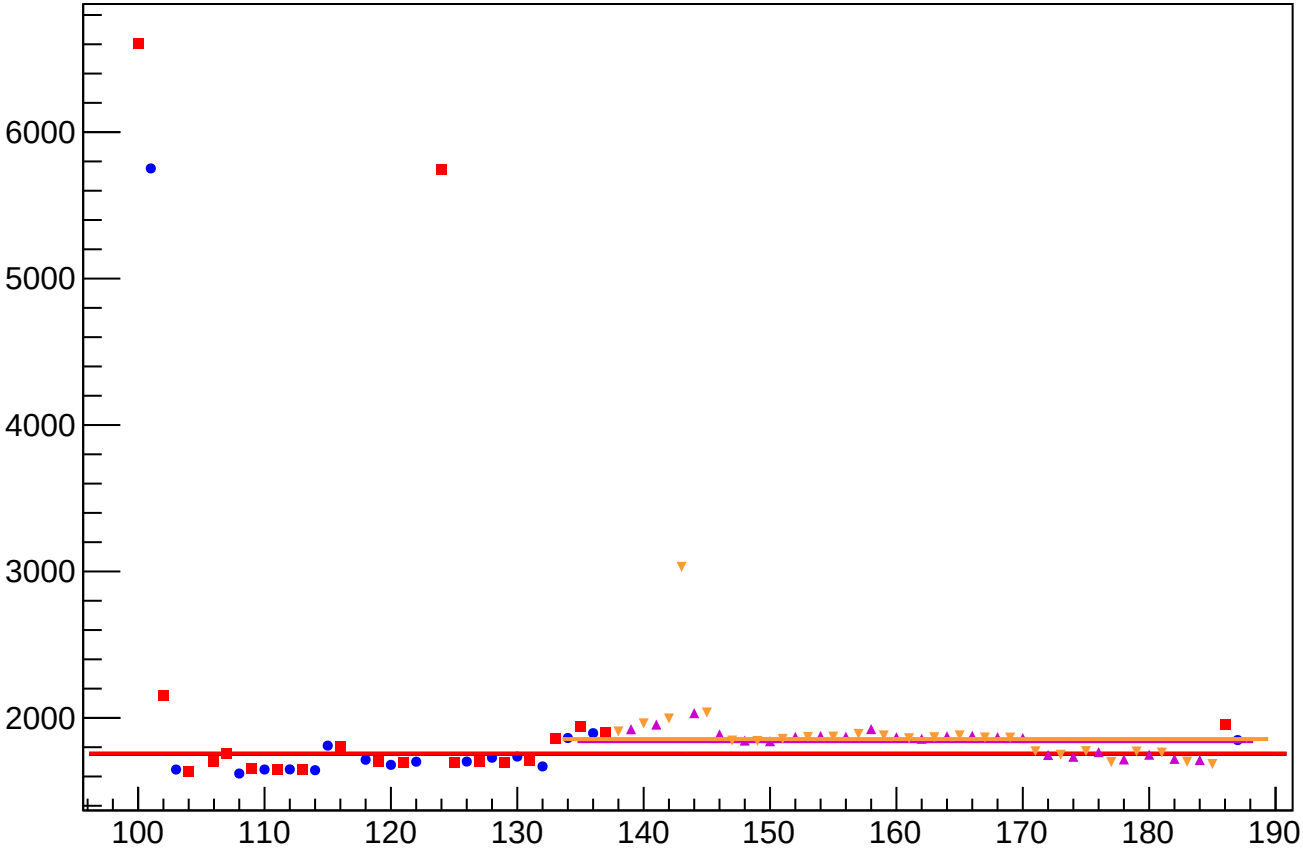
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1665.587+/-356.254 χ^2/NDF: 45.1/41

All: -420.144+/-252.295 χ^2/NDF: 153.8/84

- sign -2518.692+/-357.347 χ^2/NDF: 39.9/42

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.4/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

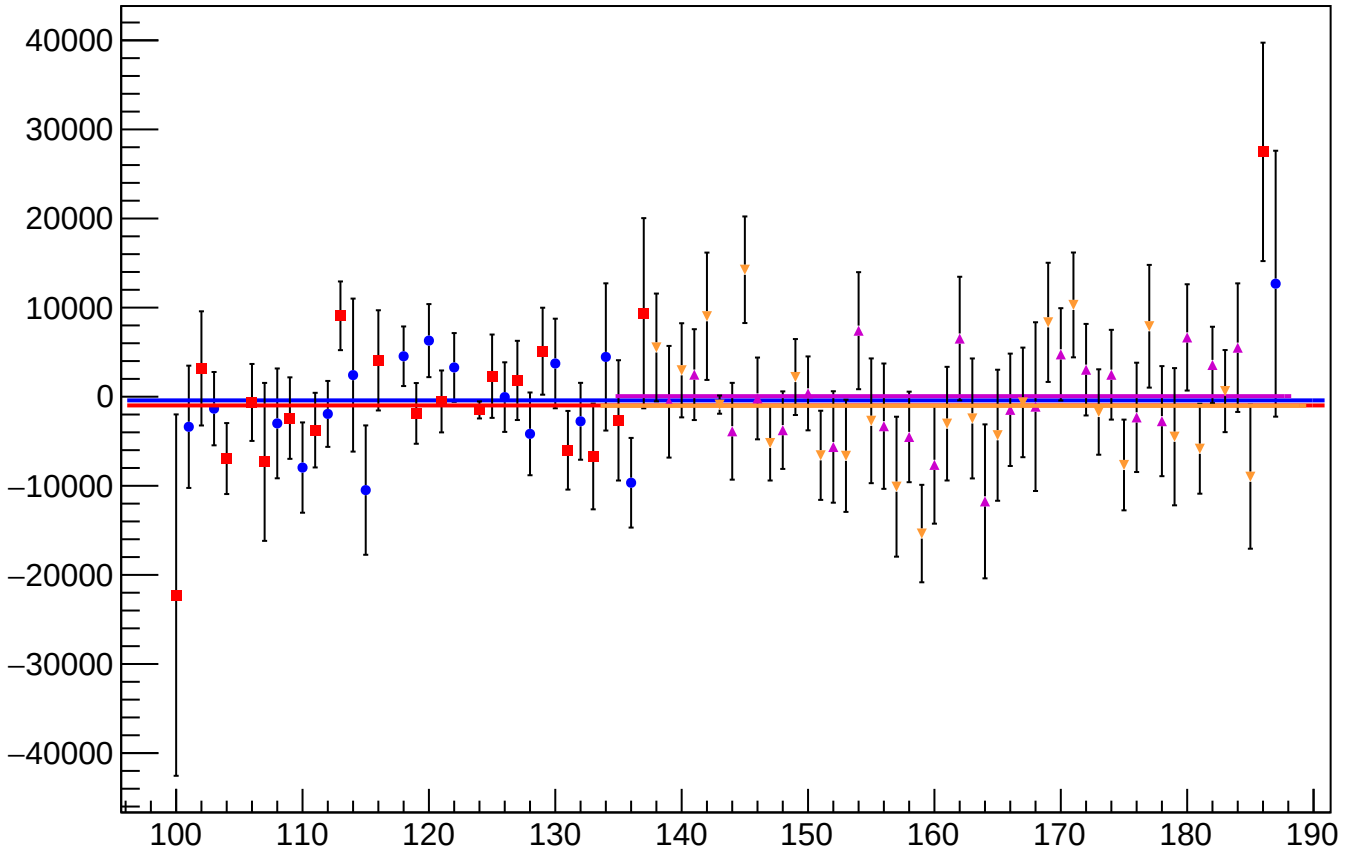
Right Out: 1756.924+/-0.452 χ^2/NDF: 306740.6/19

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1825.918+/-0.252 χ^2/NDF: 1029555.7/41

All: 1820.354+/-0.178 χ^2/NDF: 1432061.1/84

- sign 1814.768+/-0.252 χ^2/NDF: 401527.7/42



Right In: -411.977+/-1169.630 χ^2/NDF: 16.7/16

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

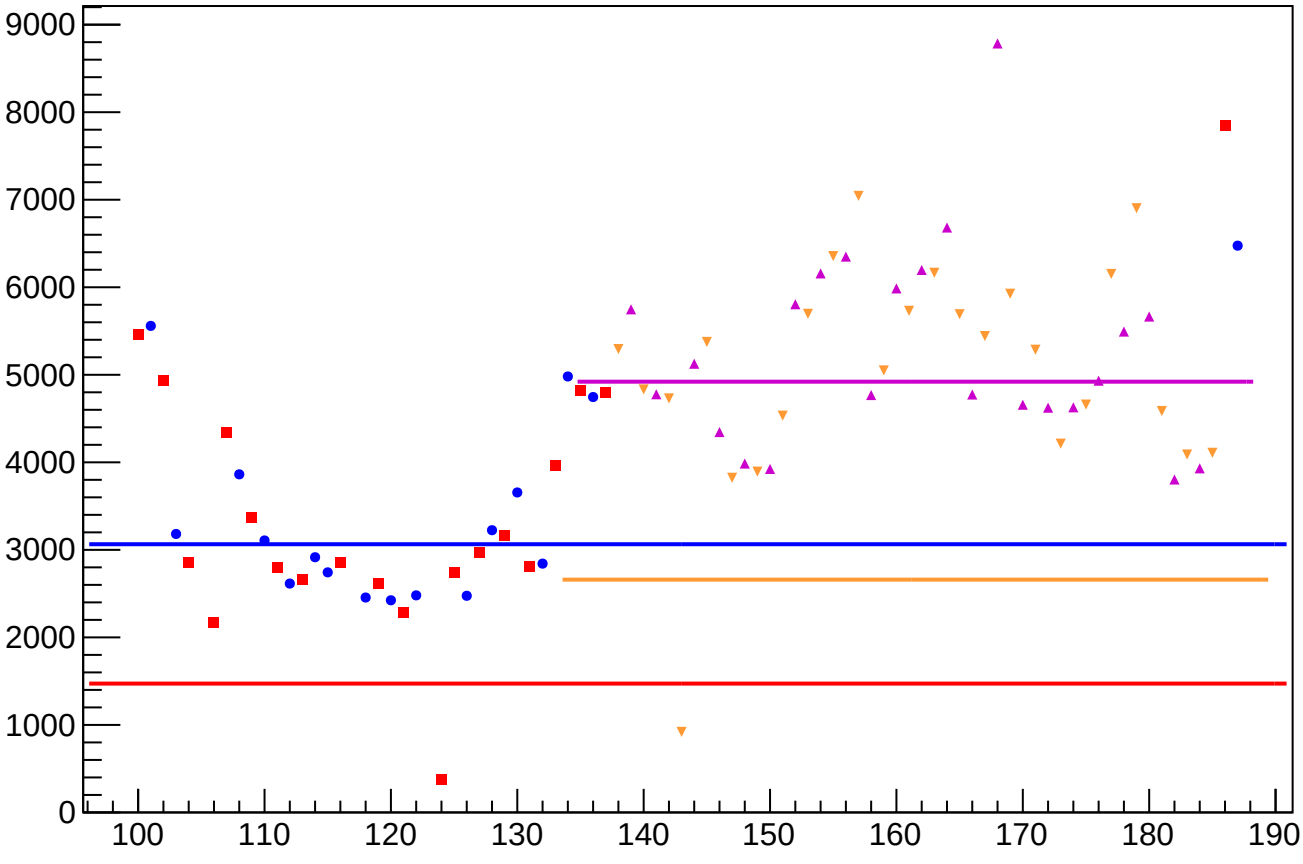
Right Out: -979.584+/-730.159 χ^2/NDF: 23.9/19

Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -834.664+/-644.190 χ^2/NDF: 50.7/41

All: -758.925+/-446.691 χ^2/NDF: 88.2/84

- sign -688.781+/-619.940 χ^2/NDF: 37.5/42



Right In: 3064.350+/-0.827 χ^2/NDF: 1010774.7/16

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

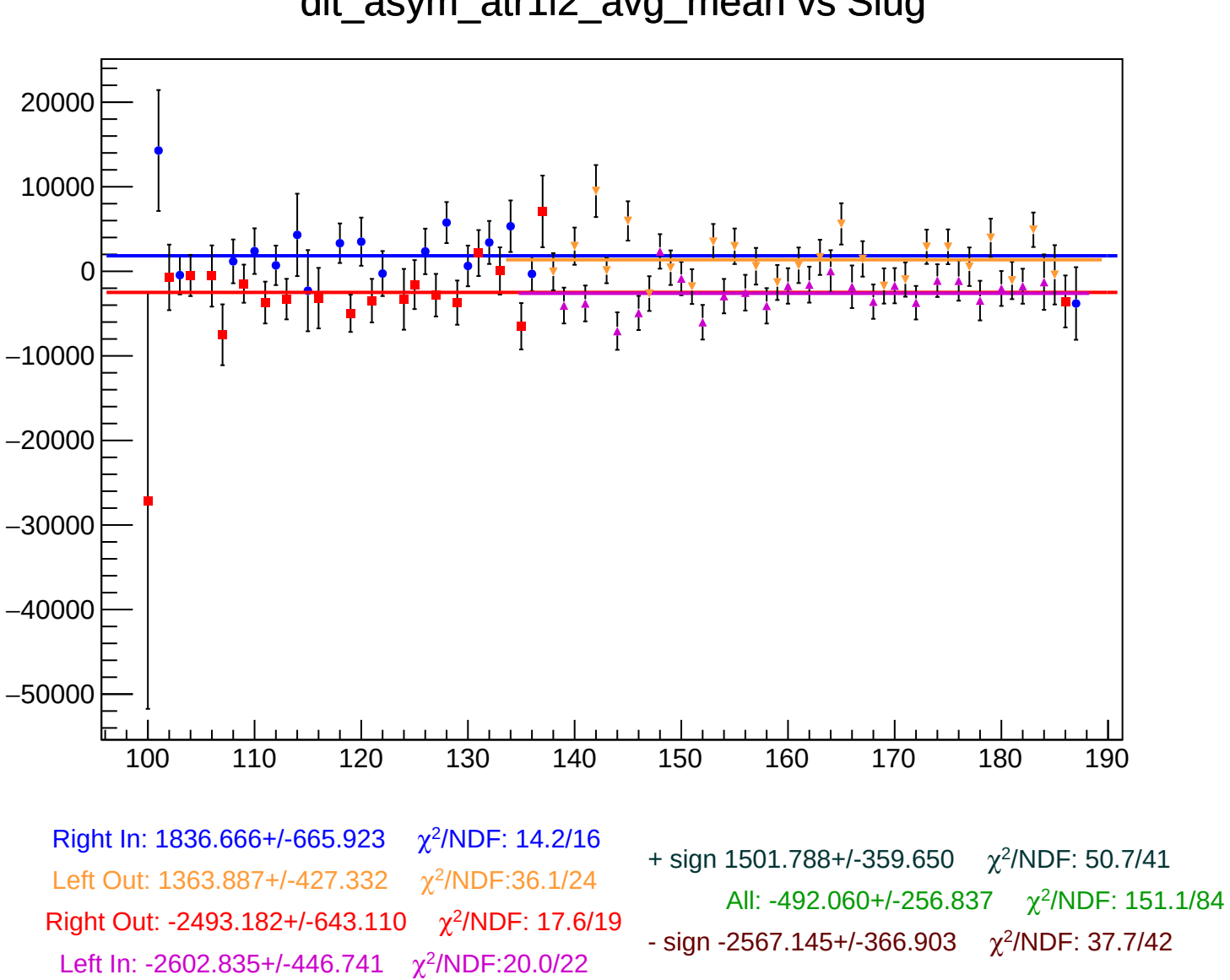
Right Out: 1472.230+/-0.516 χ^2/NDF: 7369253.6/19

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

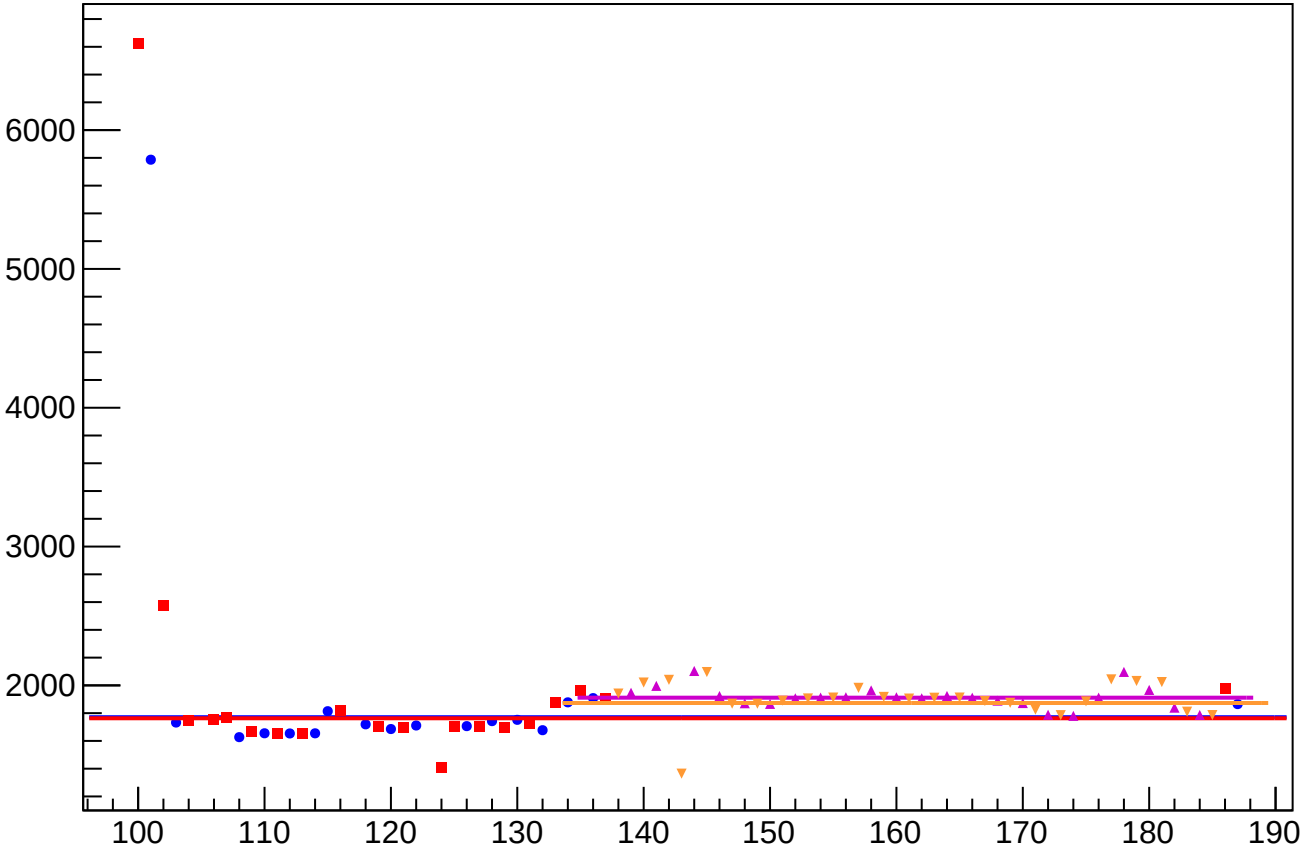
+ sign 2782.591+/-0.456 χ^2/NDF: 15714185.7/41

All: 2602.093+/-0.316 χ^2/NDF: 37093308.7/8

- sign 2434.929+/-0.438 χ^2/NDF: 21076688.2/42


dit_asym_atr1l2_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 1836.666+/-665.923 χ²/NDF: 14.2/16
Left Out: 1363.887+/-427.332 χ²/NDF:36.1/24
Right Out: -2493.182+/-643.110 χ²/NDF: 17.6/19
Left In: -2602.835+/-446.741 χ²/NDF:20.0/22
+ sign 1501.788+/-359.650 χ²/NDF: 50.7/41
All: -492.060+/-256.837 χ²/NDF: 151.1/84
- sign -2567.145+/-366.903 χ²/NDF: 37.7/42

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1770.806+/-0.471 χ^2/NDF: 668356.9/16

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1763.099+/-0.454 χ^2/NDF: 228930.0/19

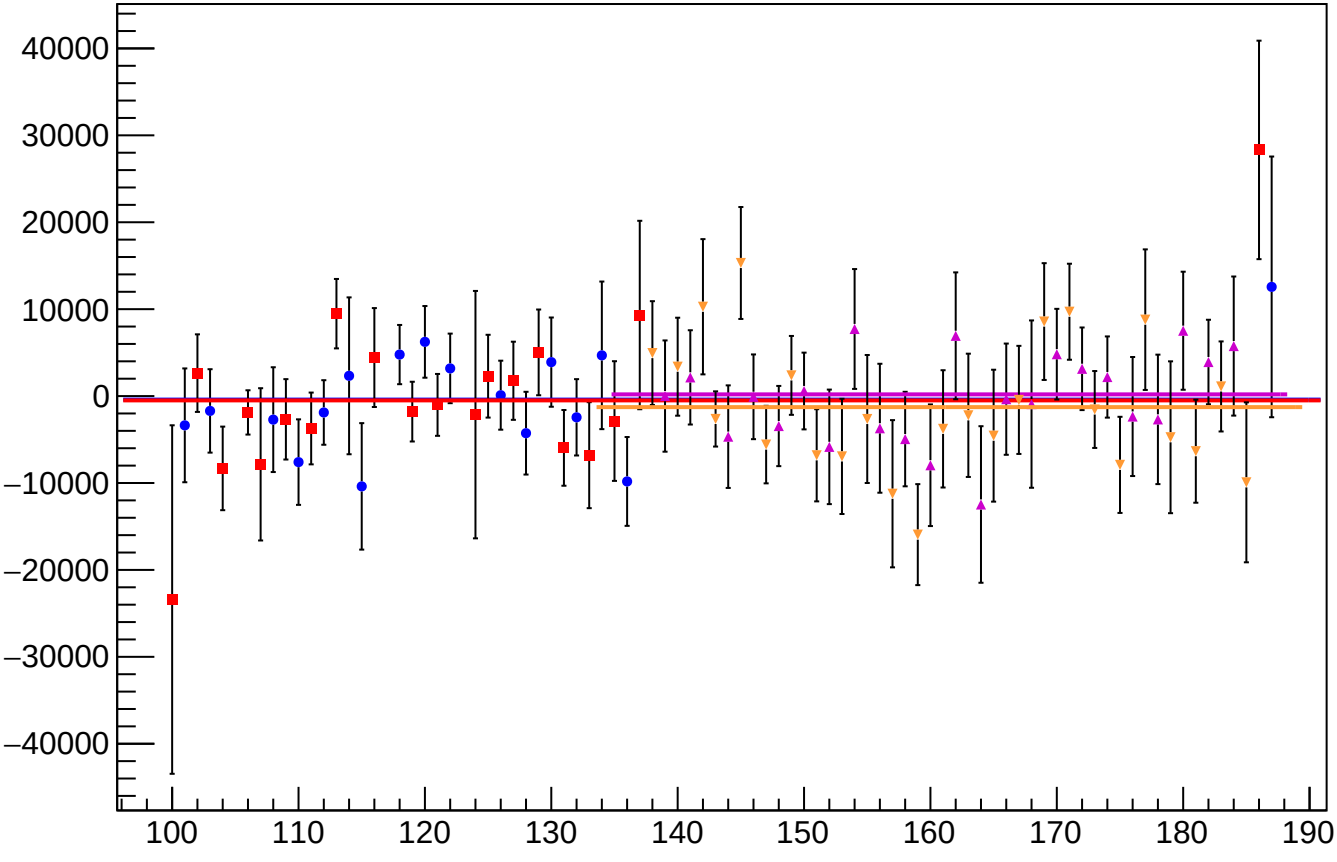
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1843.318+/-0.254 χ^2/NDF: 1011569.0/41

All: 1852.961+/-0.182 χ^2/NDF: 1374575.6/84

- sign 1862.980+/-0.259 χ^2/NDF: 360074.7/42

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -405.284+/-1194.697 χ^2/NDF: 16.5/16

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -494.688+/-1065.617 χ^2/NDF: 24.1/19

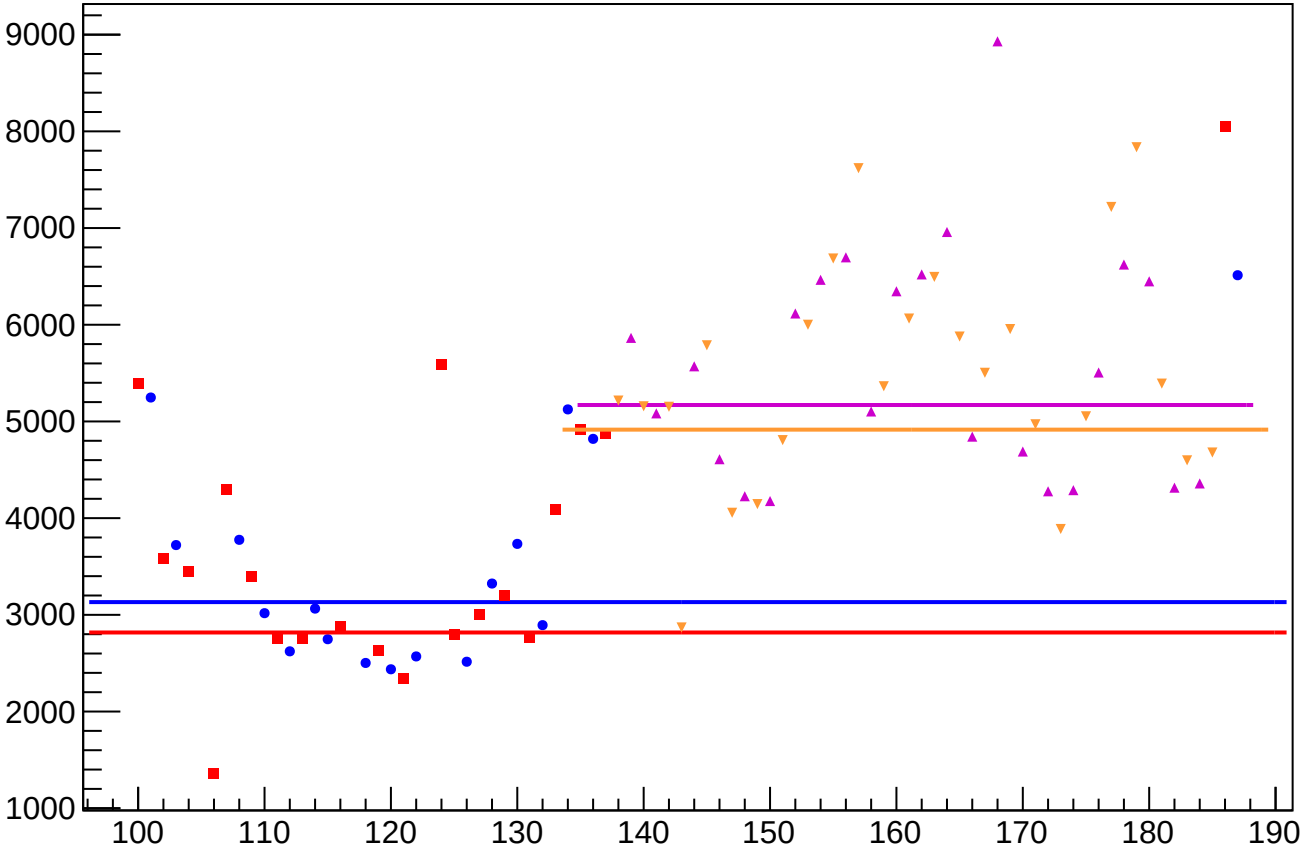
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -851.700+/-830.808 χ^2/NDF: 50.2/41

All: -515.938+/-578.747 χ^2/NDF: 87.6/84

- sign -199.404+/-806.669 χ^2/NDF: 37.0/42

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3131.720+/-0.845 χ^2/NDF: 985519.0/16

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 2817.513+/-0.754 χ^2/NDF: 1697270.7/19

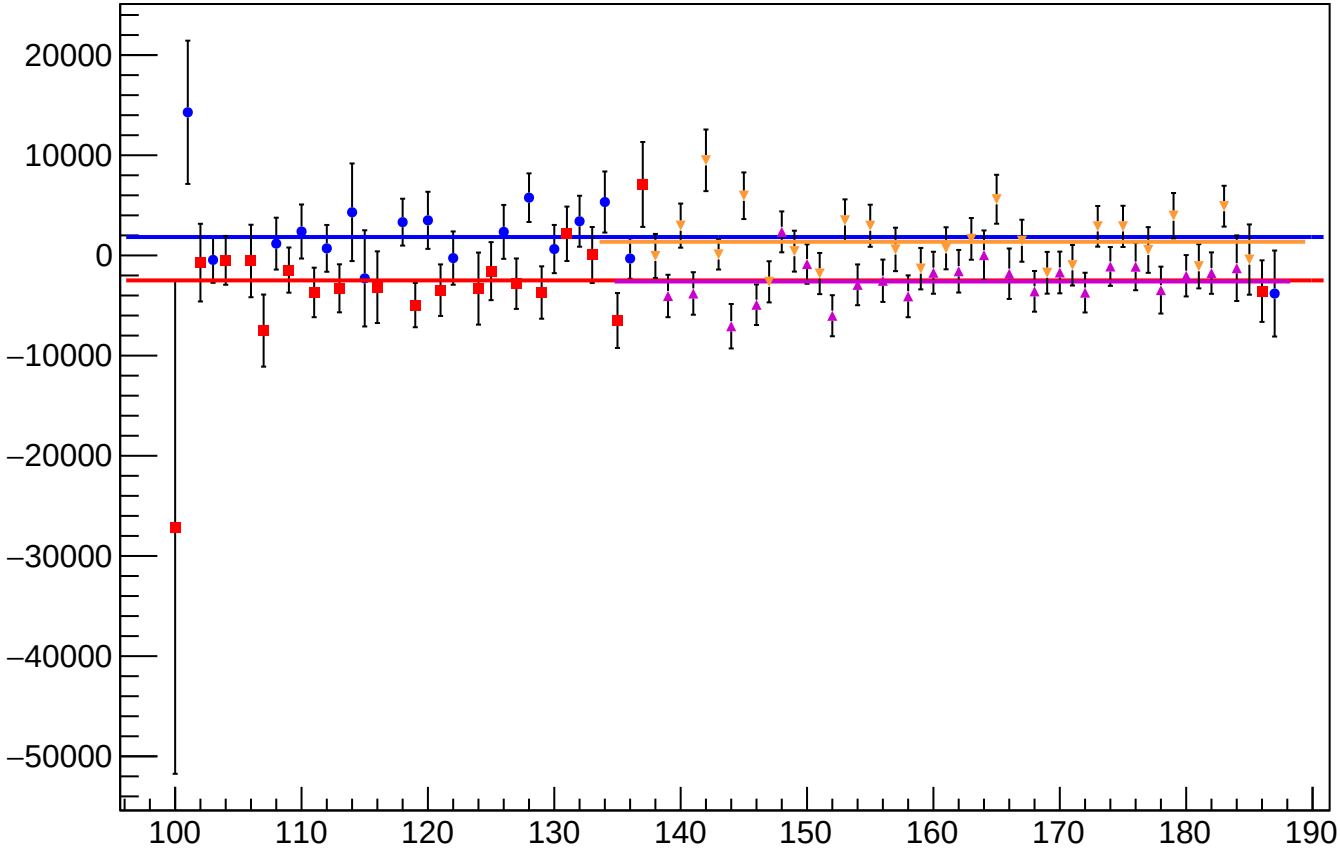
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

\+ sign 4052.733+/-0.587 χ^2/NDF: 5453503.0/41

All: 3933.930+/-0.409 χ^2/NDF: 12740669.9/8

\- sign 3821.931+/-0.570 χ^2/NDF: 7207716.7/42

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1836.668+/-665.923 χ^2/NDF: 14.2/16

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2493.184+/-643.110 χ^2/NDF: 17.6/19

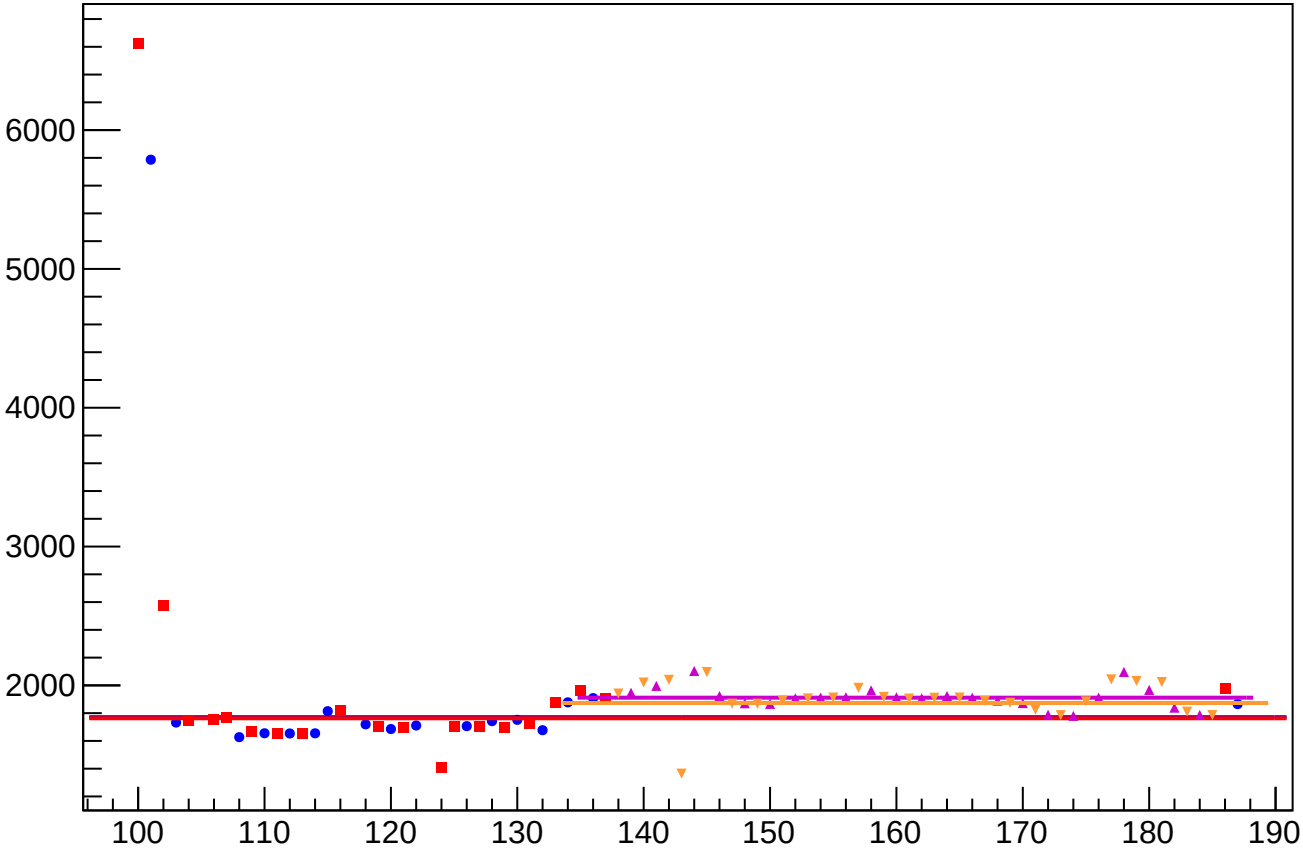
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1501.787+/-359.650 χ^2/NDF: 50.7/41

All: -492.061+/-256.837 χ^2/NDF: 151.1/84

- sign -2567.144+/-366.903 χ^2/NDF: 37.7/42

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1770.806+/-0.471 χ^2/NDF: 668356.9/16

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1763.099+/-0.454 χ^2/NDF: 228929.8/19

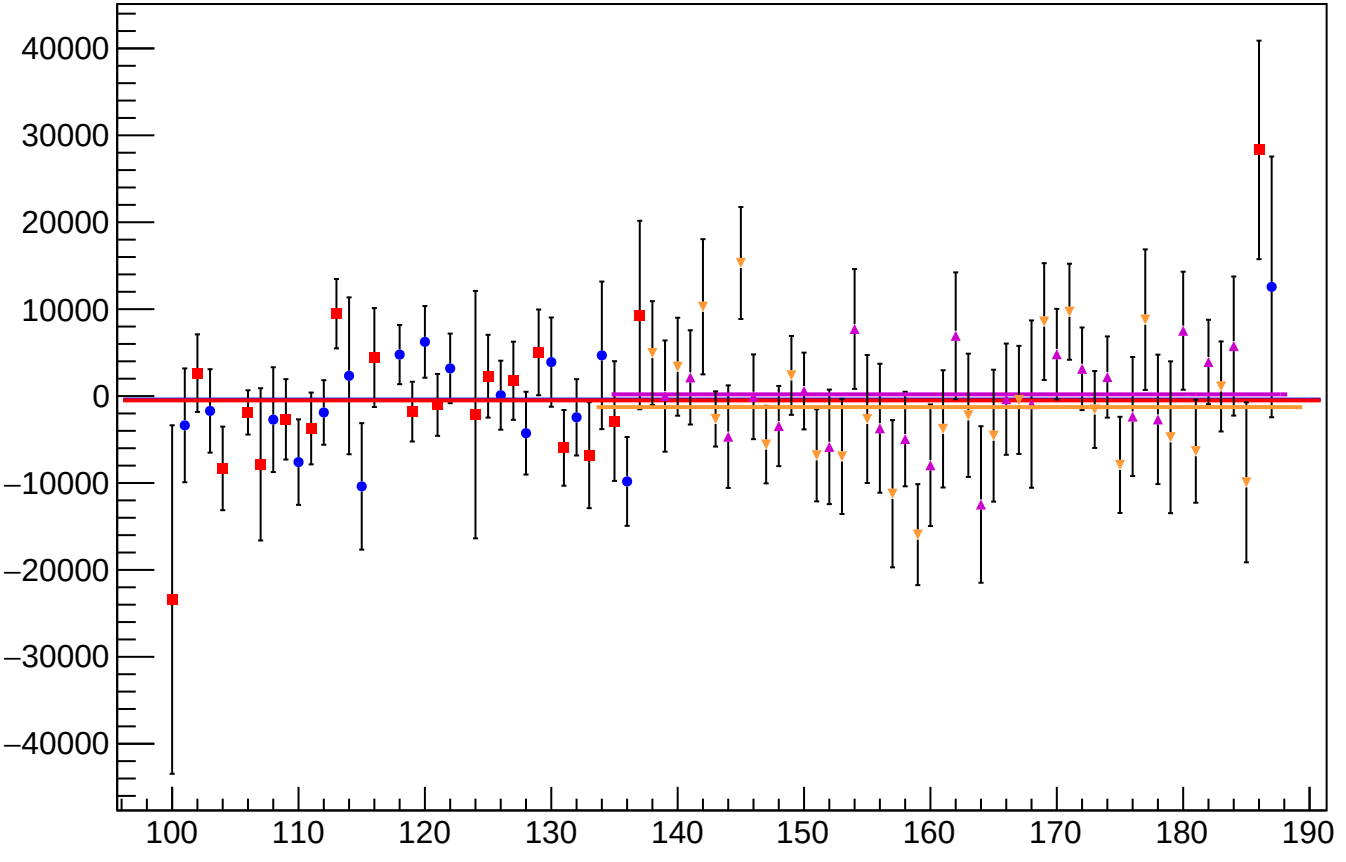
Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1843.318+/-0.254 χ^2/NDF: 1011573.1/41

All: 1852.961+/-0.182 χ^2/NDF: 1374583.1/84

- sign 1862.981+/-0.259 χ^2/NDF: 360078.1/42

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug



Right In: -405.278+/-1194.693 χ^2/NDF: 16.5/16

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -494.692+/-1065.613 χ^2/NDF: 24.1/19

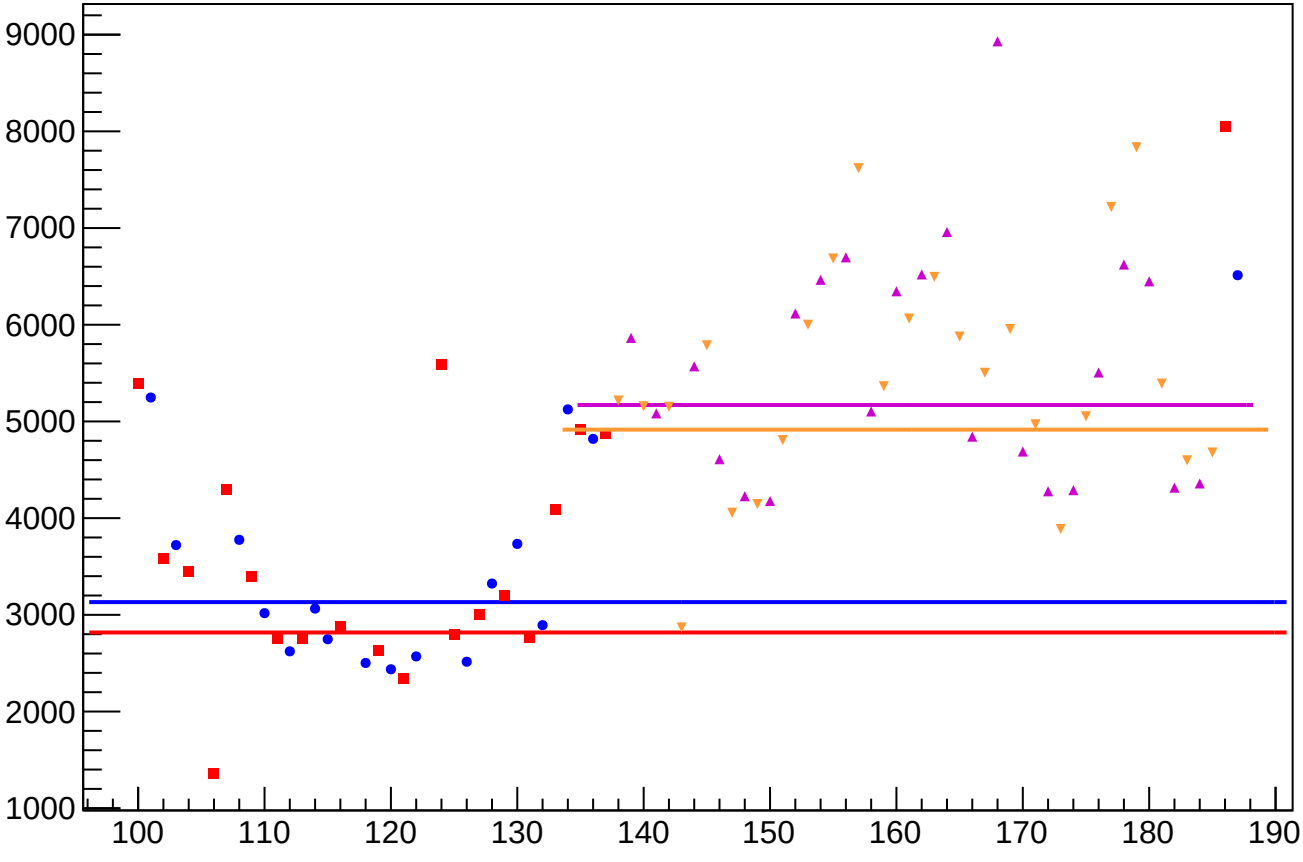
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -851.698+/-830.807 χ^2/NDF: 50.2/41

All: -515.939+/-578.746 χ^2/NDF: 87.6/84

- sign -199.408+/-806.668 χ^2/NDF: 37.0/42

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3131.709+/-0.845 χ^2/NDF: 985529.9/16

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2817.500+/-0.754 χ^2/NDF: 1697291.6/19

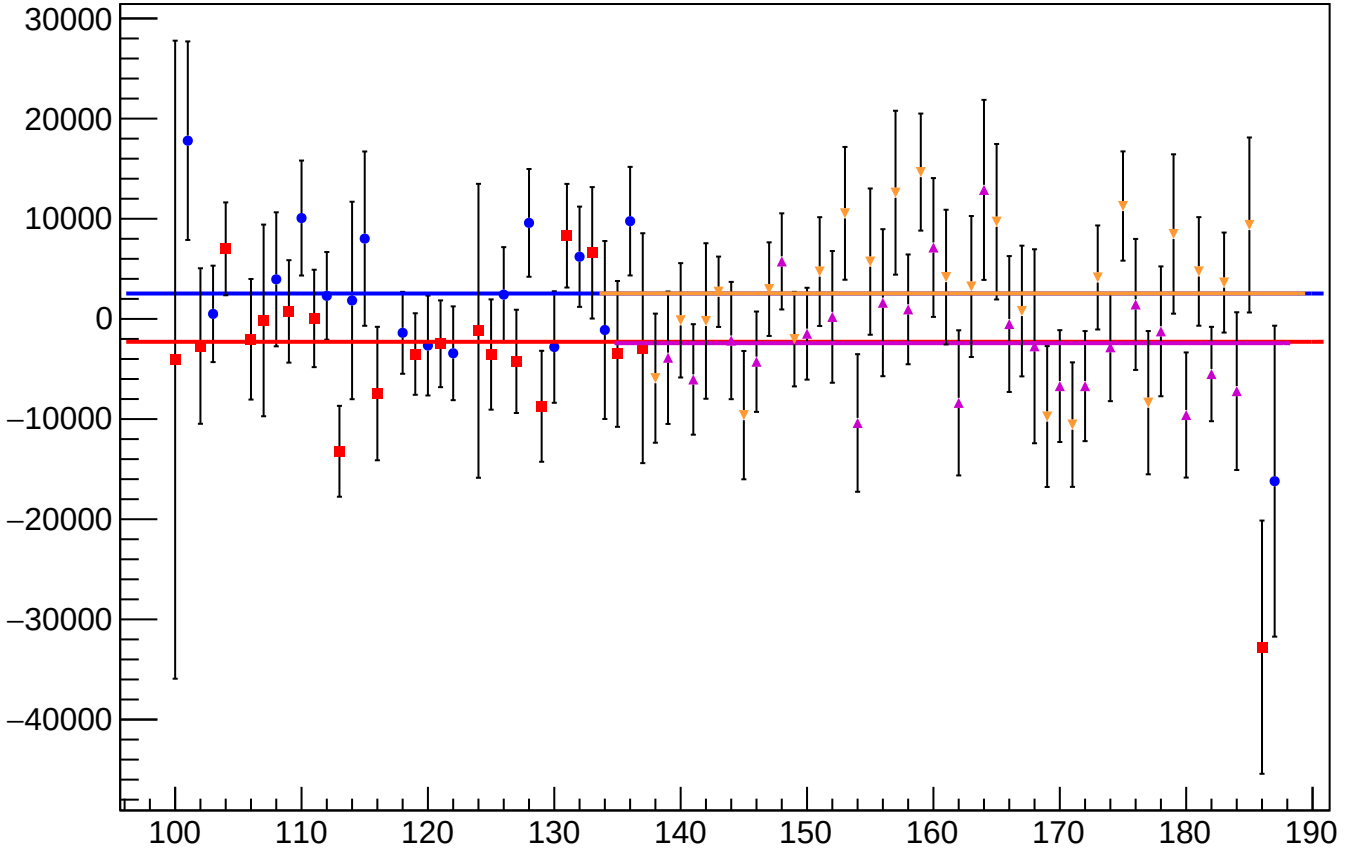
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4052.727+/-0.587 χ^2/NDF: 5453571.1/41

All: 3933.922+/-0.409 χ^2/NDF: 12740844.0/8

- sign 3821.920+/-0.570 χ^2/NDF: 7207819.6/42

asym_atr1l2_avg_mean vs Slug



Right In: 2537.360+/-1374.487 χ^2/NDF: 14.9/16

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -2284.694+/-1325.637 χ^2/NDF: 24.6/19

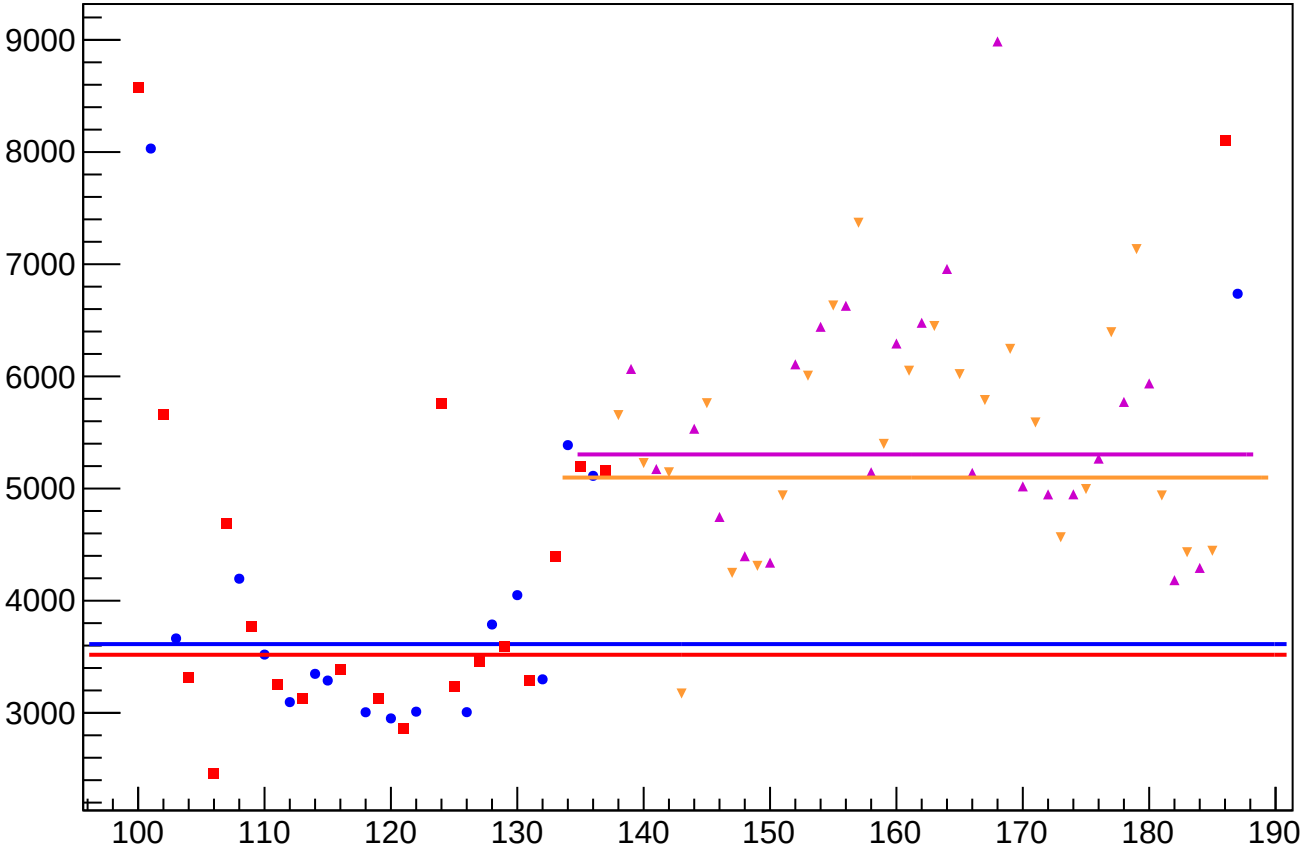
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2542.920+/-898.657 χ^2/NDF: 44.0/41

All: 131.952+/-640.507 χ^2/NDF: 98.2/84

- sign -2357.383+/-913.145 χ^2/NDF: 39.6/42

asym_atr1l2_avg_rms vs Slug



Right In: 3613.112+/-0.972 χ^2/NDF: 926834.5/16

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3518.046+/-0.923 χ^2/NDF: 932258.9/19

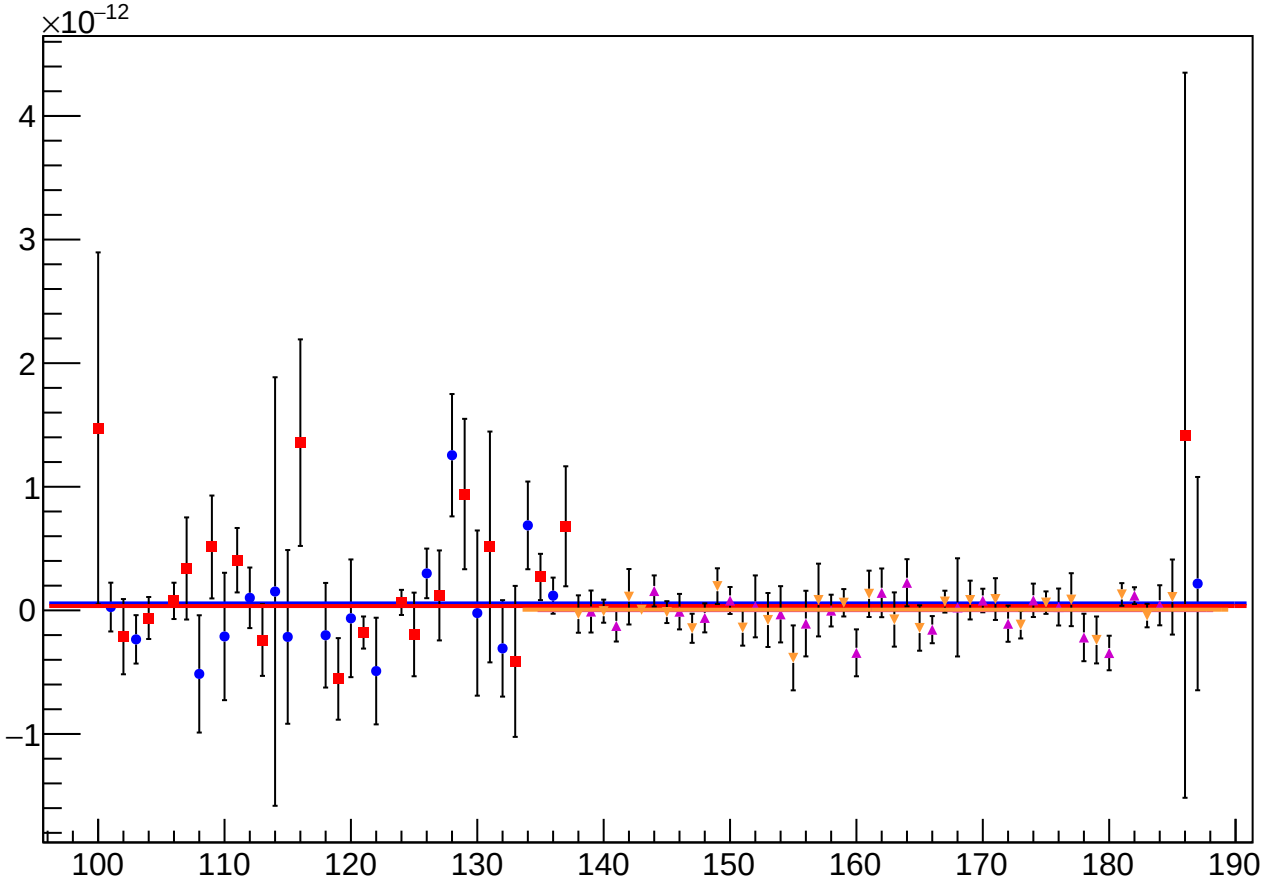
Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

\+ sign 4463.249+/-0.635 χ^2/NDF: 3807605.8/41

All: 4453.299+/-0.451 χ^2/NDF: 7696727.6/84

\- sign 4443.173+/-0.641 χ^2/NDF: 3888627.1/42

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.5/19

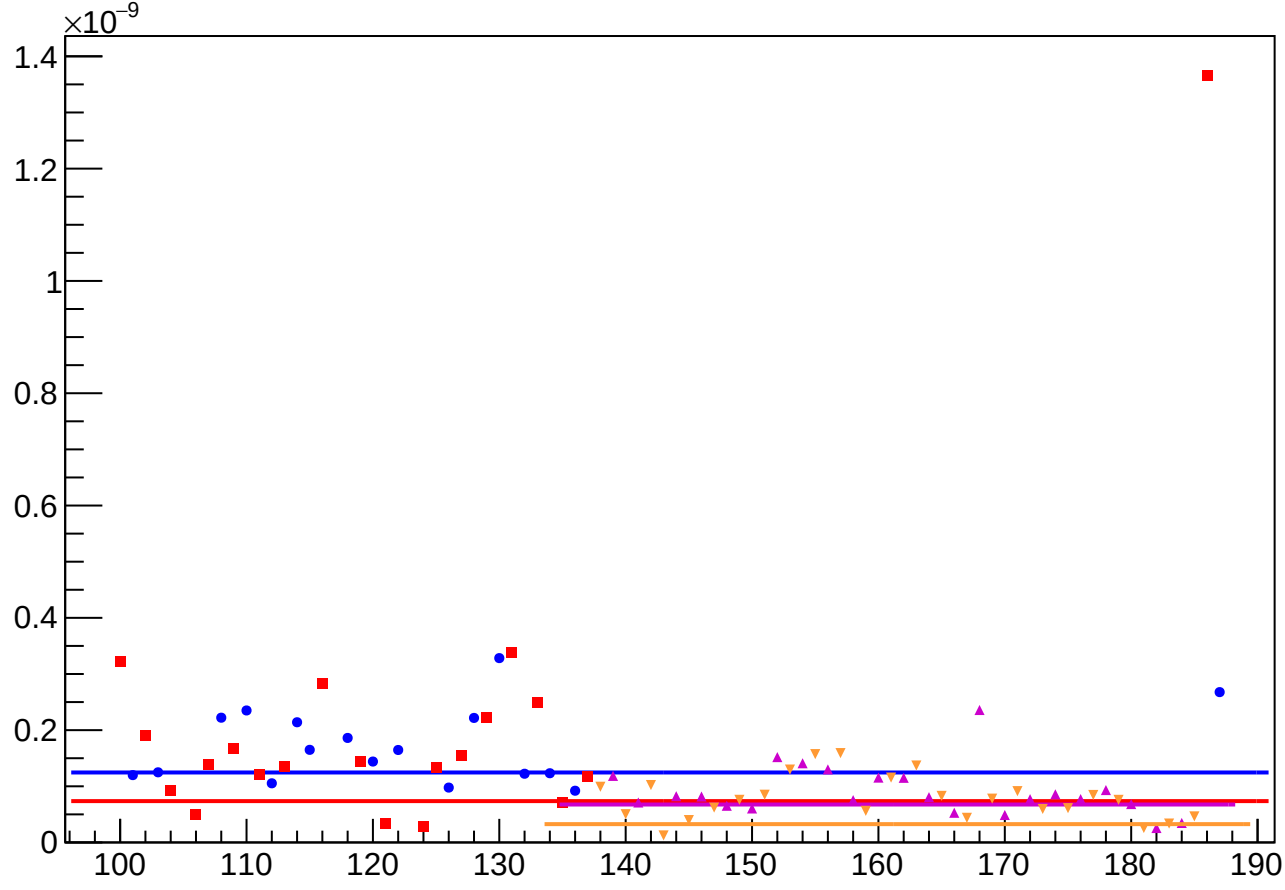
Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.5/41

All: 0.000+/-0.000 χ^2/NDF: 79.2/84

- sign 0.000+/-0.000 χ^2/NDF: 45.7/42

asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 717561.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2577391.8/19

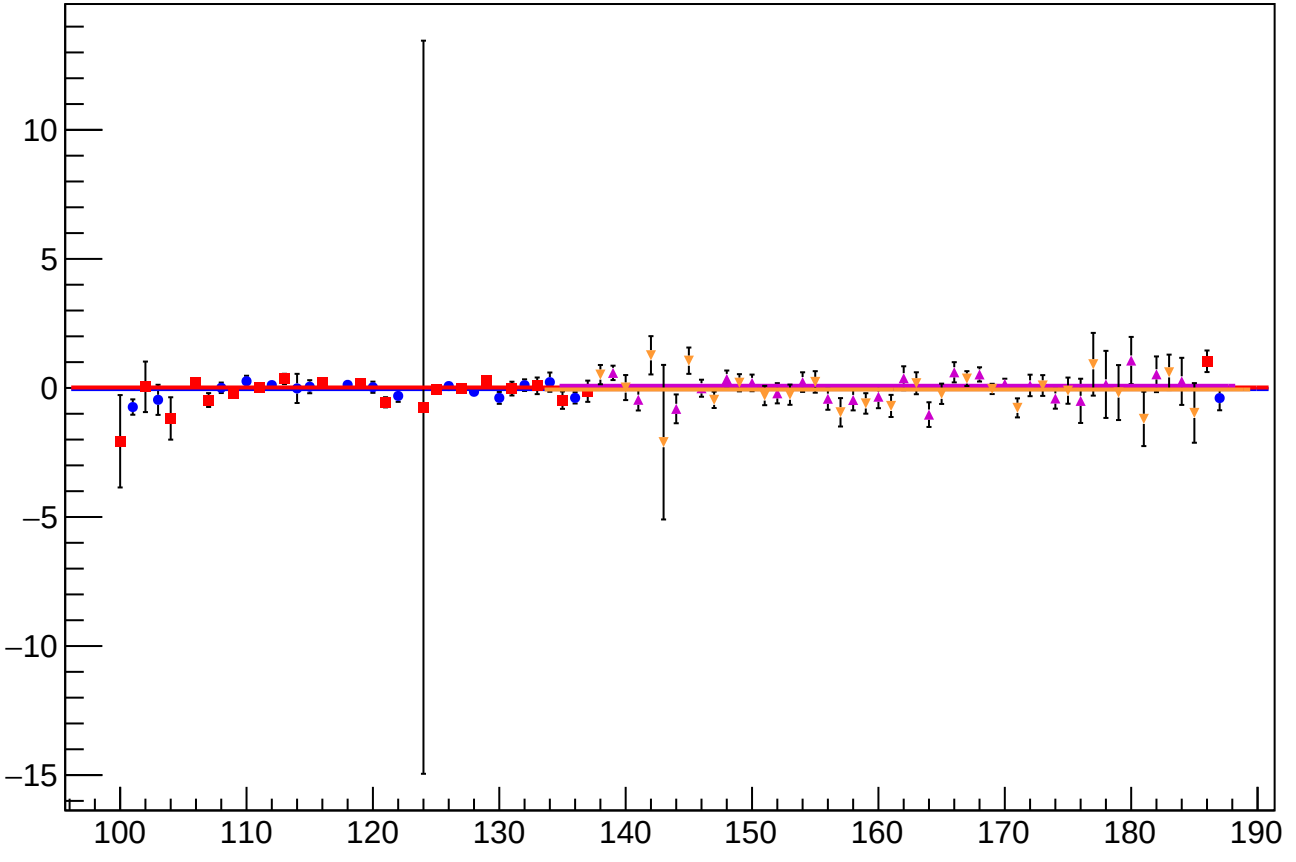
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9860499.6/41

All: 0.000+/-0.000 χ^2/NDF: 17071313.4/84

- sign 0.000+/-0.000 χ^2/NDF: 5046329.3/42

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.051 χ^2/NDF: 34.7/19

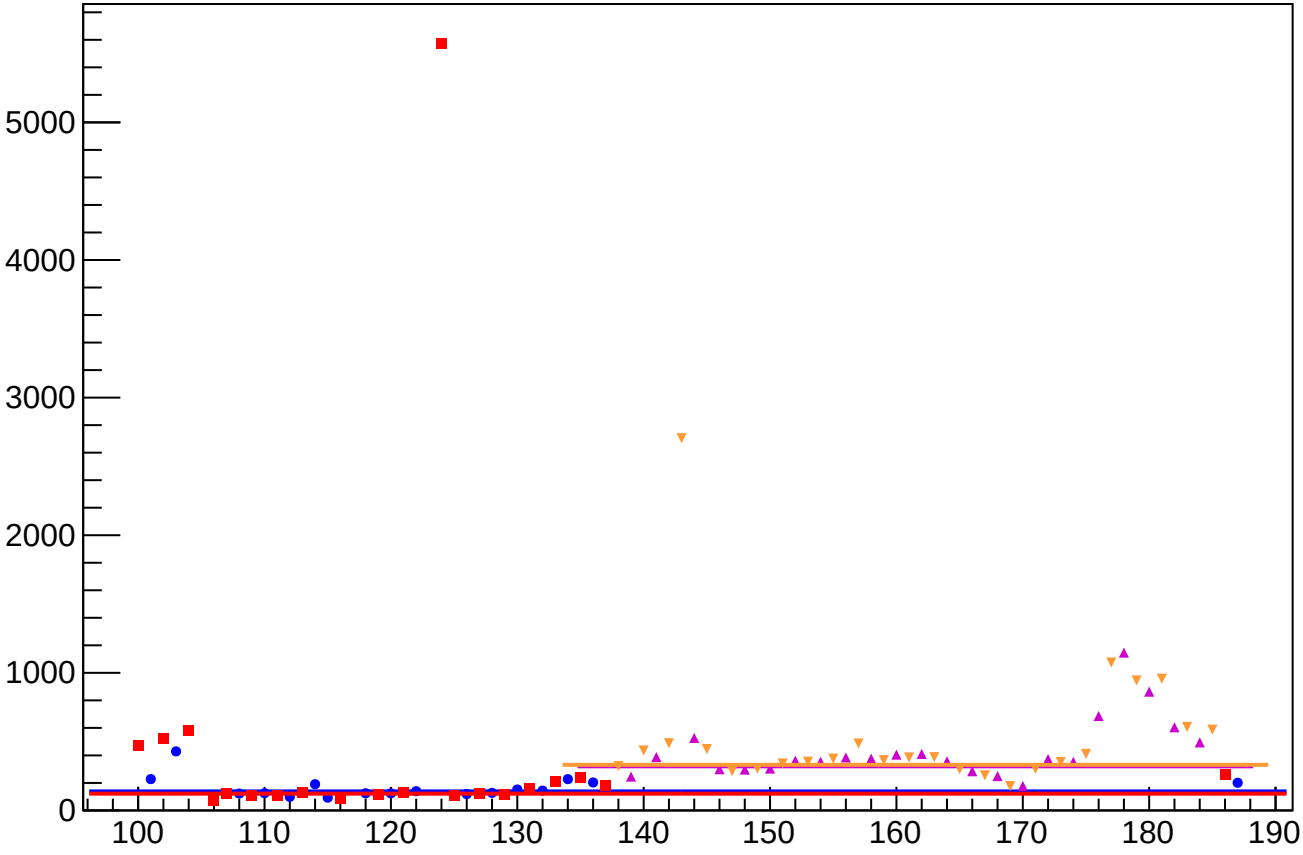
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.049+/-0.046 χ^2/NDF: 49.3/41

All: -0.003+/-0.031 χ^2/NDF: 113.3/84

- sign 0.036+/-0.043 χ^2/NDF: 62.2/42

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 138.274+/-0.039 χ^2/NDF: 1304053.2/16

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

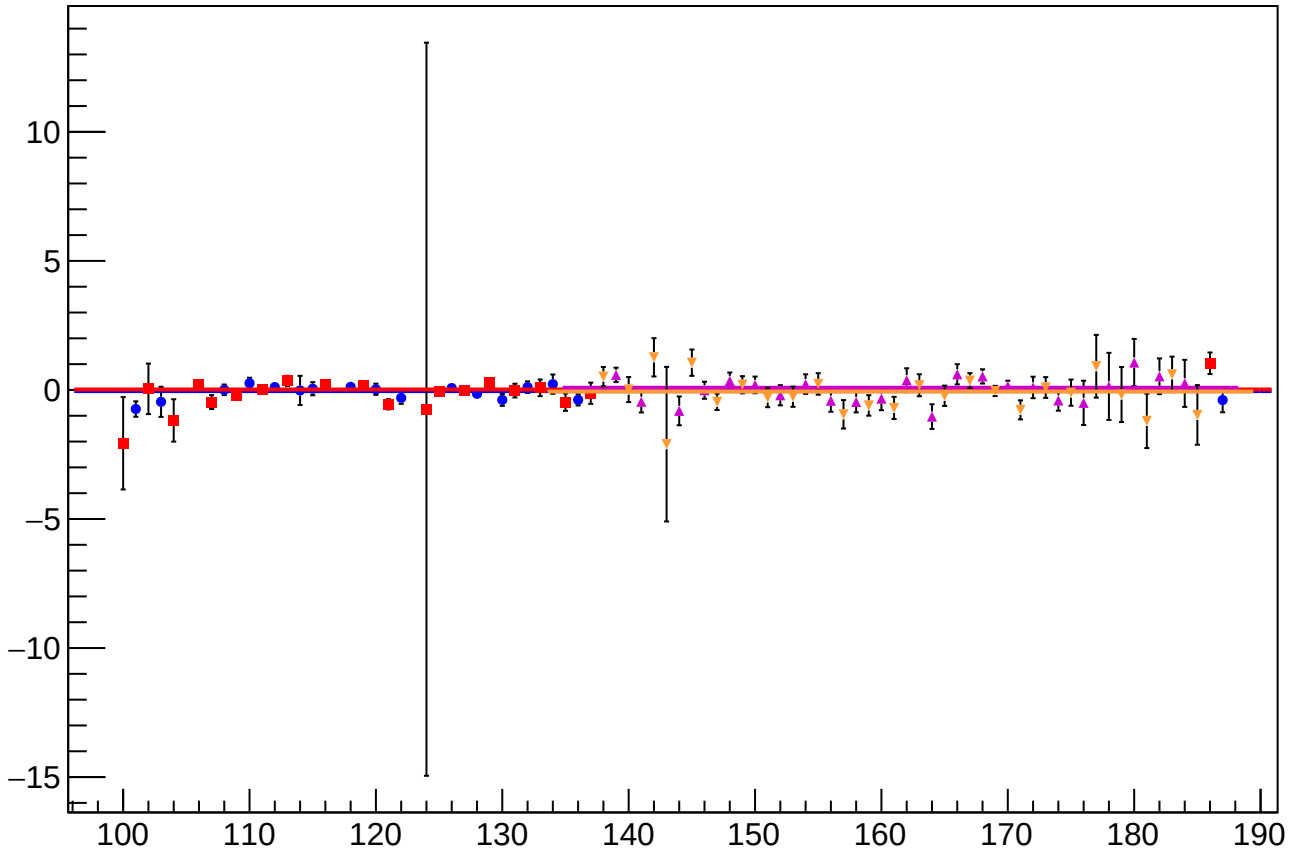
Right Out: 122.096+/-0.036 χ^2/NDF: 2370430.4/19

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.244+/-0.033 χ^2/NDF: 14563533.0/41

All: 186.714+/-0.022 χ^2/NDF: 30010122.9/84

- sign 177.637+/-0.030 χ^2/NDF: 15253267.9/42



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.051 χ^2/NDF: 34.7/19

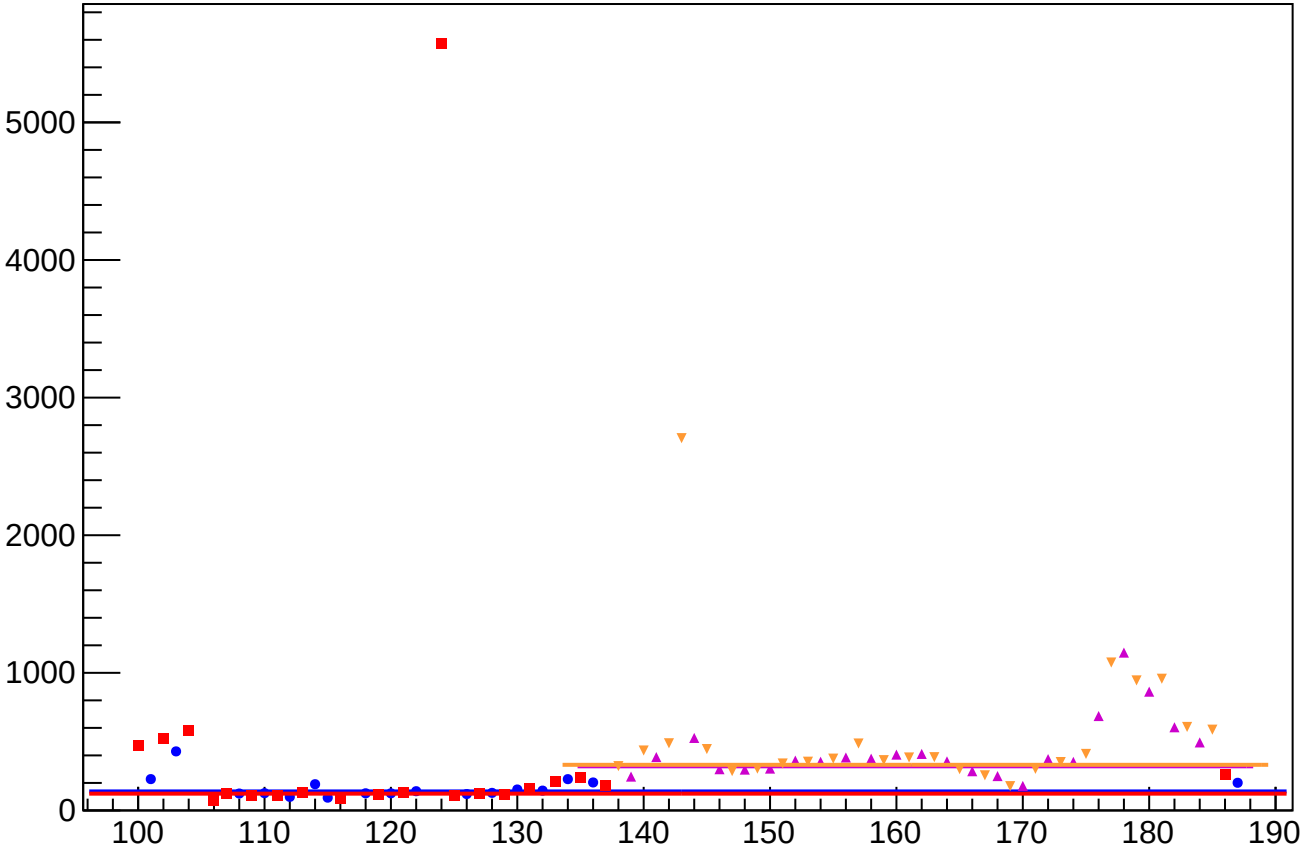
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.049+/-0.046 χ^2/NDF: 49.3/41

All: -0.003+/-0.031 χ^2/NDF: 113.3/84

- sign 0.036+/-0.043 χ^2/NDF: 62.2/42

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 138.274+/-0.039 χ^2/NDF: 1304053.2/16

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

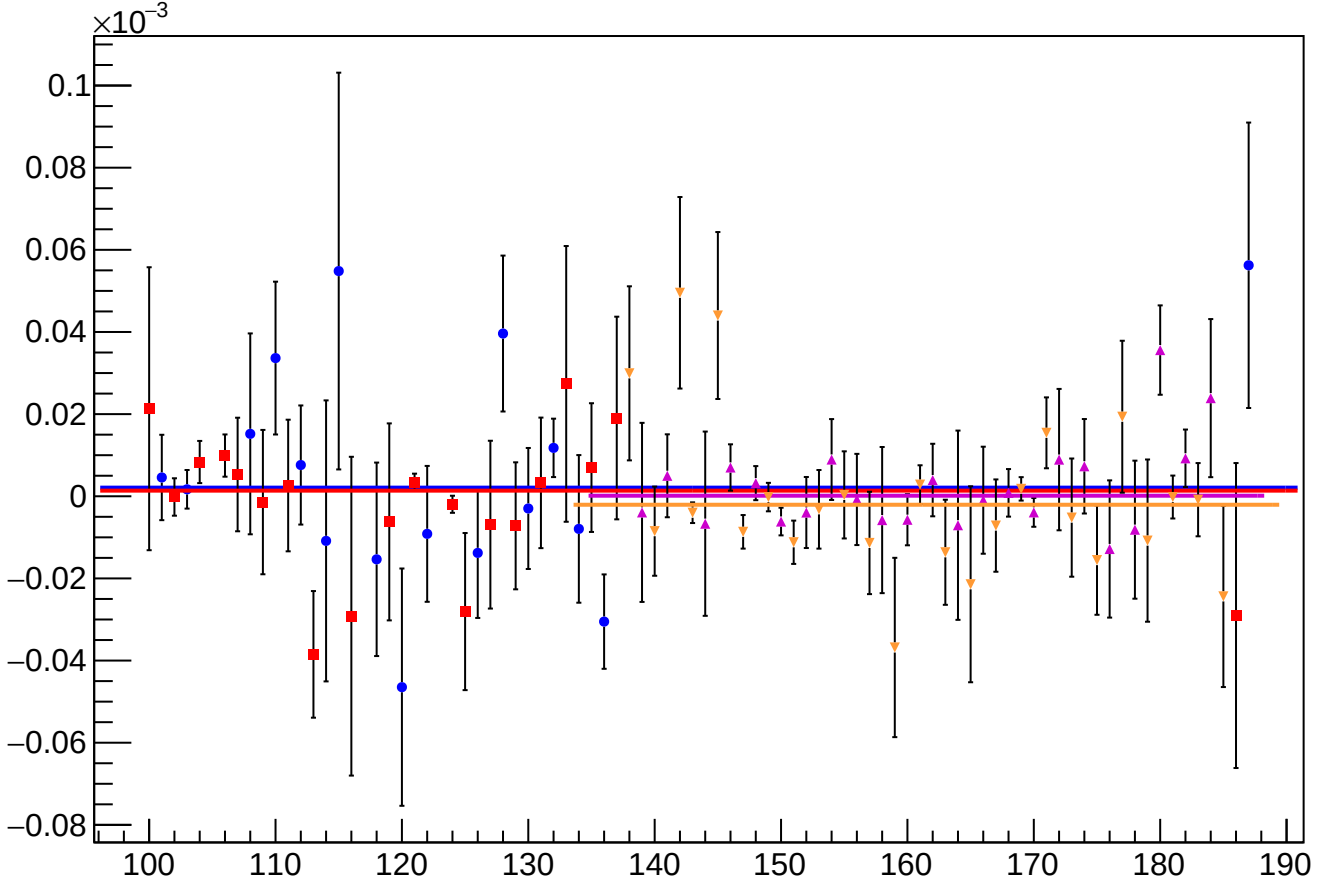
Right Out: 122.096+/-0.036 χ^2/NDF: 2370430.4/19

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 197.244+/-0.033 χ^2/NDF: 14563533.0/41

All: 186.714+/-0.022 χ^2/NDF: 30010122.9/84

- sign 177.637+/-0.030 χ^2/NDF: 15253267.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/19

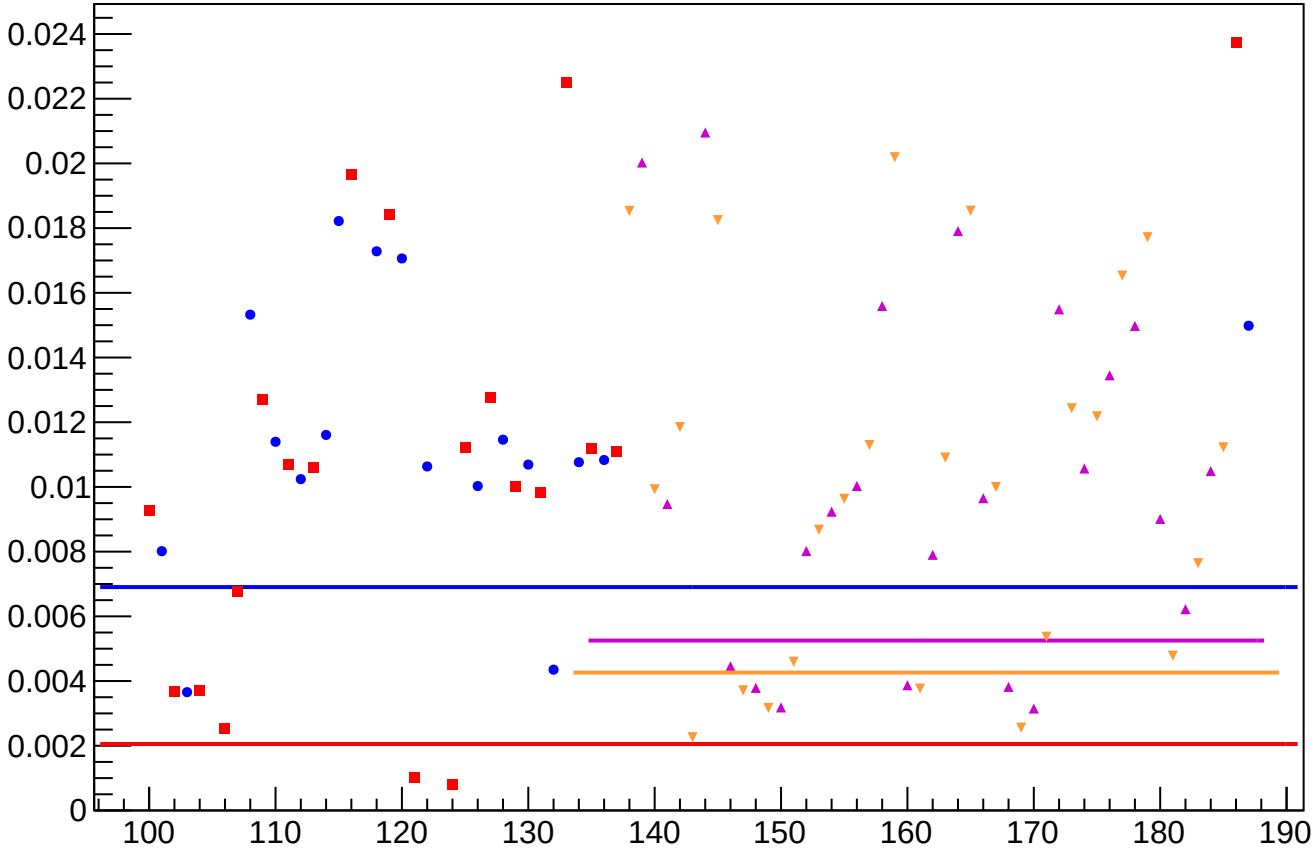
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.7/41

All: -0.000+/-0.000 χ^2/NDF: 111.3/84

- sign 0.000+/-0.000 χ^2/NDF: 46.2/42

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3339014.1/16

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

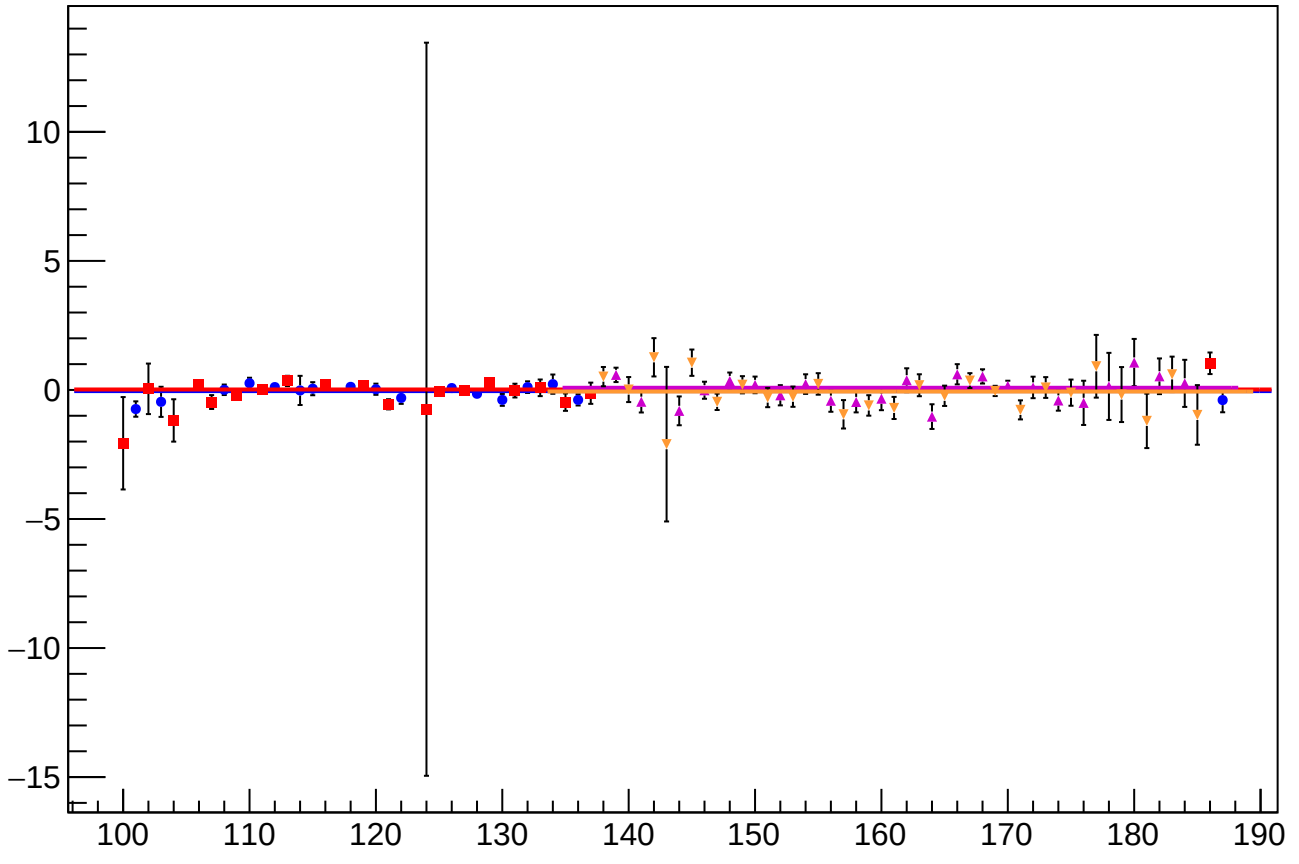
Right Out: 0.002+/-0.000 χ^2/NDF: 9691507.4/19

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 17664932.8/41

All: 0.004+/-0.000 χ^2/NDF: 43673822.7/84

- sign 0.003+/-0.000 χ^2/NDF: 24491383.1/42



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.018+/-0.051 χ^2/NDF: 34.7/19

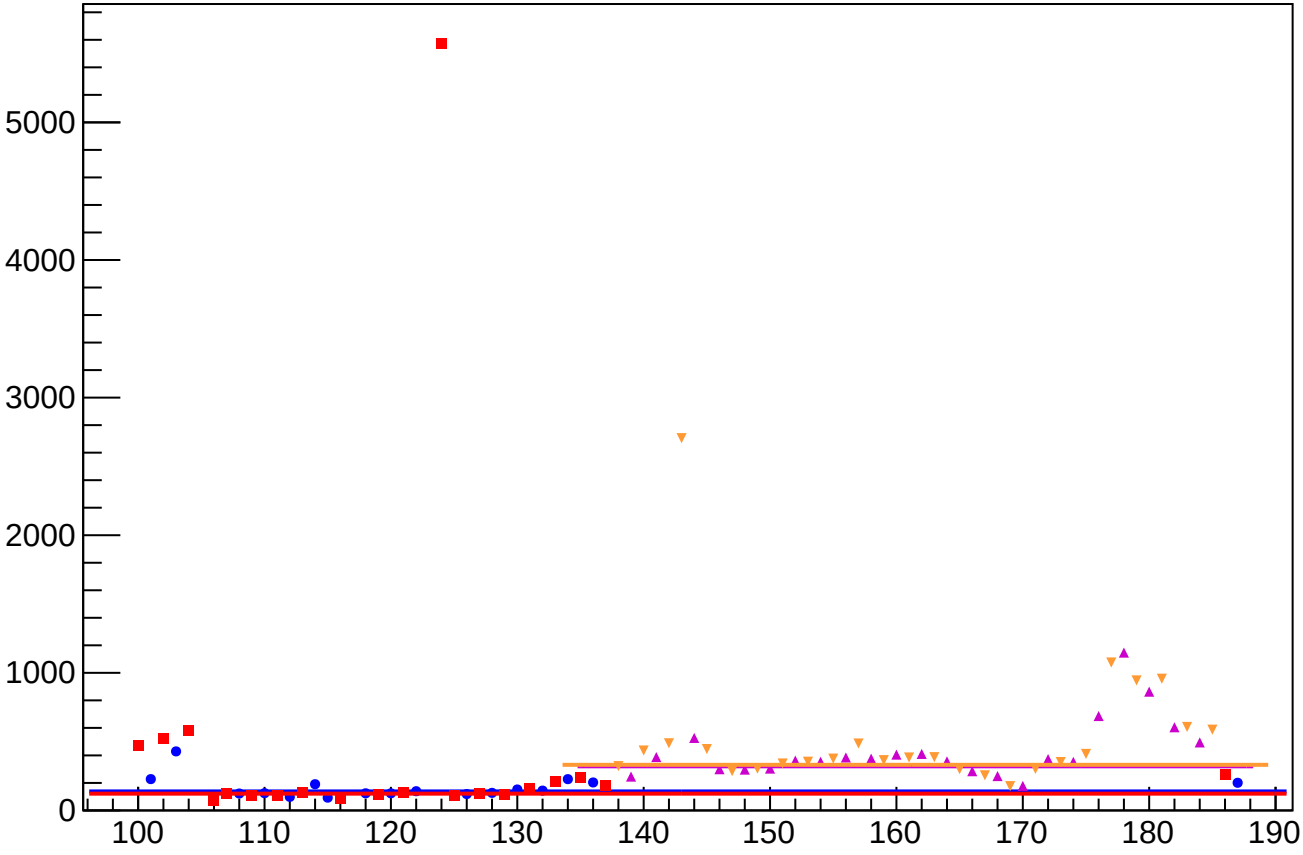
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.049+/-0.046 χ^2/NDF: 49.3/41

All: -0.003+/-0.031 χ^2/NDF: 113.3/84

- sign 0.036+/-0.043 χ^2/NDF: 62.2/42

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 138.275+/-0.039 χ^2/NDF: 1304001.1/16

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

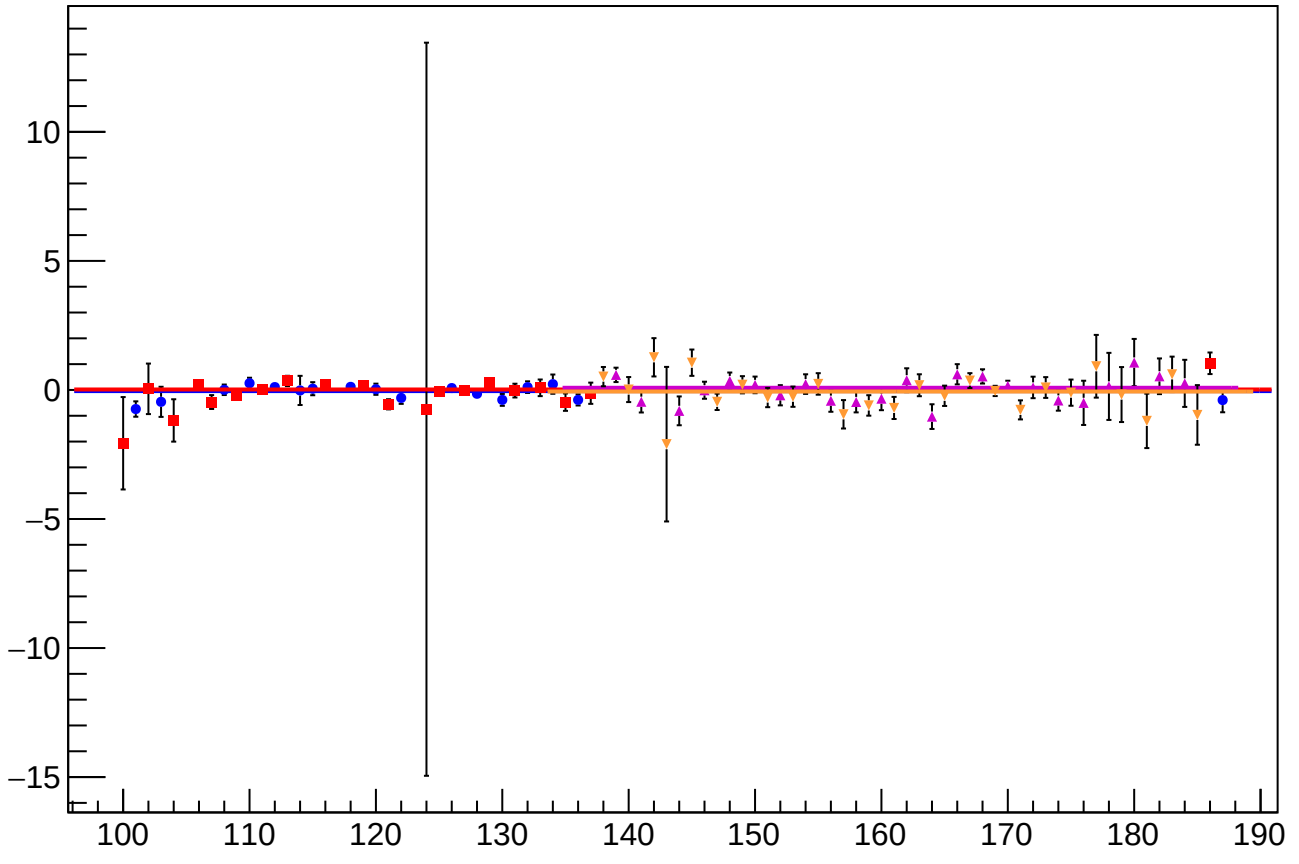
Right Out: 122.096+/-0.036 χ^2/NDF: 2370343.9/19

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.245+/-0.033 χ^2/NDF: 14563518.3/41

All: 186.714+/-0.022 χ^2/NDF: 30010187.2/84

- sign 177.637+/-0.030 χ^2/NDF: 15253323.0/42



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

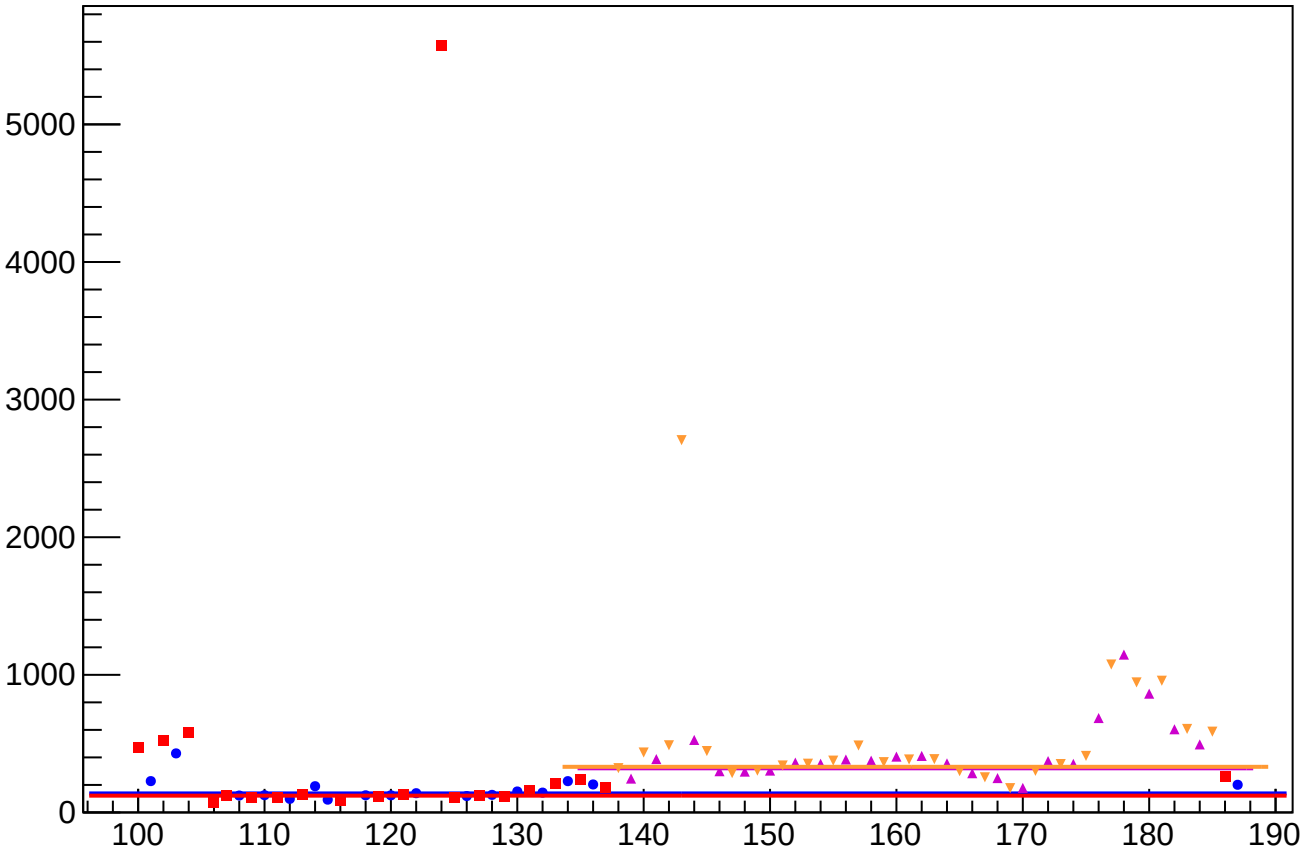
Right Out: 0.018+/-0.051 χ^2/NDF: 34.7/19

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.049+/-0.046 χ^2/NDF: 49.3/41

All: -0.003+/-0.031 χ^2/NDF: 113.3/84

- sign 0.036+/-0.043 χ^2/NDF: 62.2/42



Right In: 138.275+/-0.039 χ^2/NDF: 1304001.1/16

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

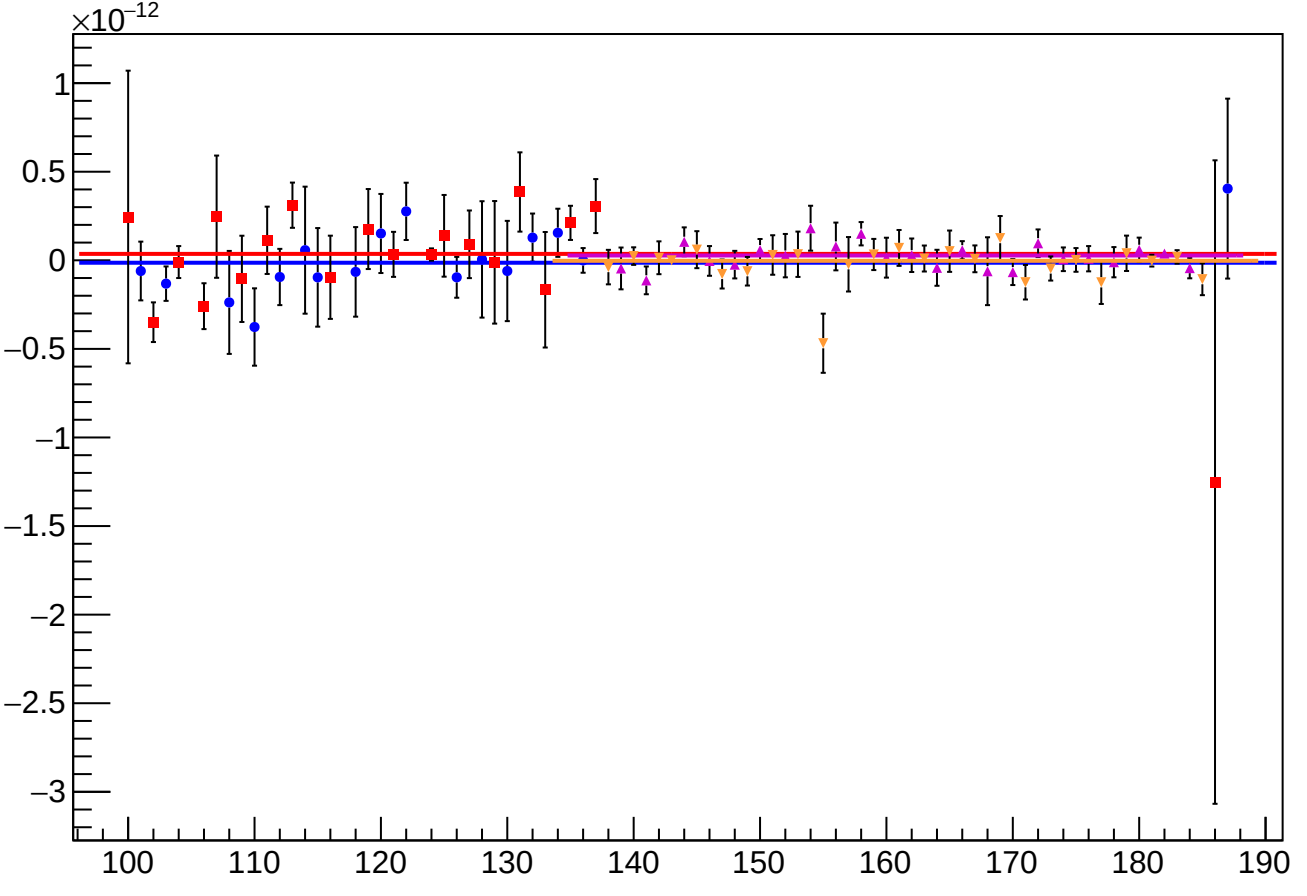
Right Out: 122.096+/-0.036 χ^2/NDF: 2370343.9/19

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 197.245+/-0.033 χ^2/NDF: 14563518.3/41

All: 186.714+/-0.022 χ^2/NDF: 30010187.2/84

- sign 177.637+/-0.030 χ^2/NDF: 15253323.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

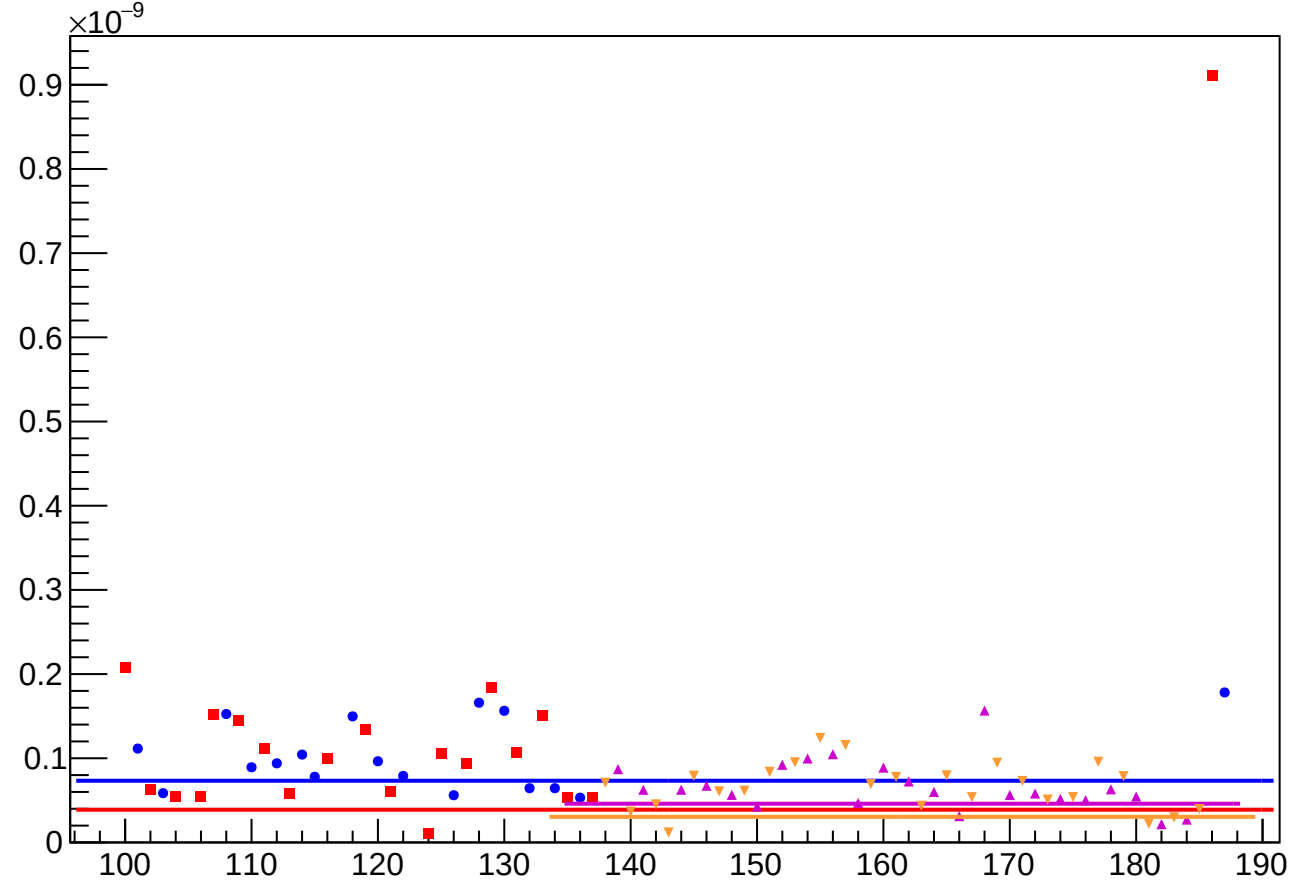
Right Out: 0.000+/-0.000 χ^2/NDF: 33.7/19

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.0/41

All: 0.000+/-0.000 χ^2/NDF: 84.0/84

- sign 0.000+/-0.000 χ^2/NDF: 49.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 1213791.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

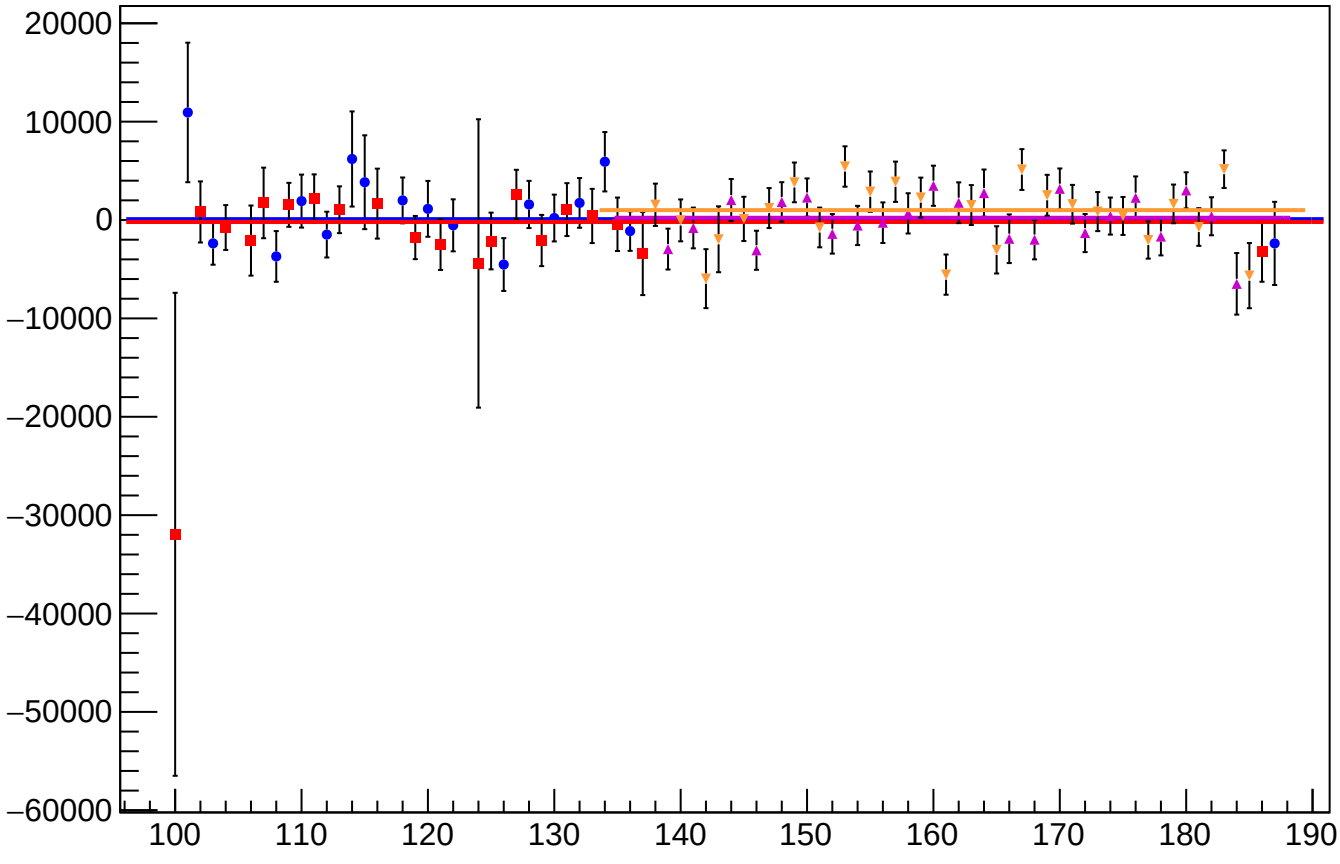
Right Out: 0.000+/-0.000 χ^2/NDF: 4727876.4/19

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14191442.4/41

All: 0.000+/-0.000 χ^2/NDF: 24772860.2/84

- sign 0.000+/-0.000 χ^2/NDF: 9745904.8/42



Right In: 89.308+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -196.912+/-640.436 χ^2/NDF: 10.0/19

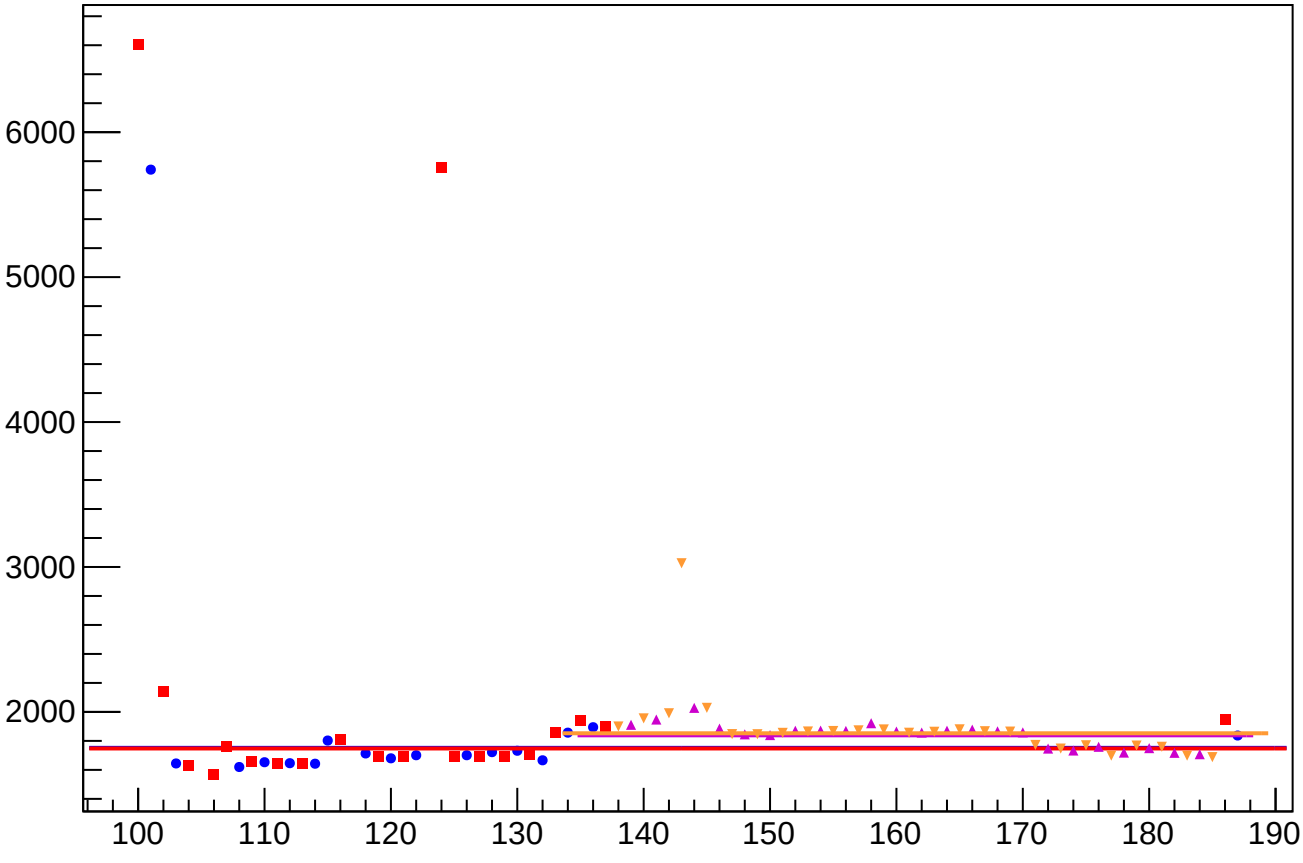
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 737.520+/-355.708 χ^2/NDF: 66.7/41

All: 418.268+/-251.917 χ^2/NDF: 105.1/84

- sign 97.007+/-356.824 χ^2/NDF: 36.7/42

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1751.984+/-0.466 χ^2/NDF: 670406.7/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1747.717+/-0.450 χ^2/NDF: 313608.0/19

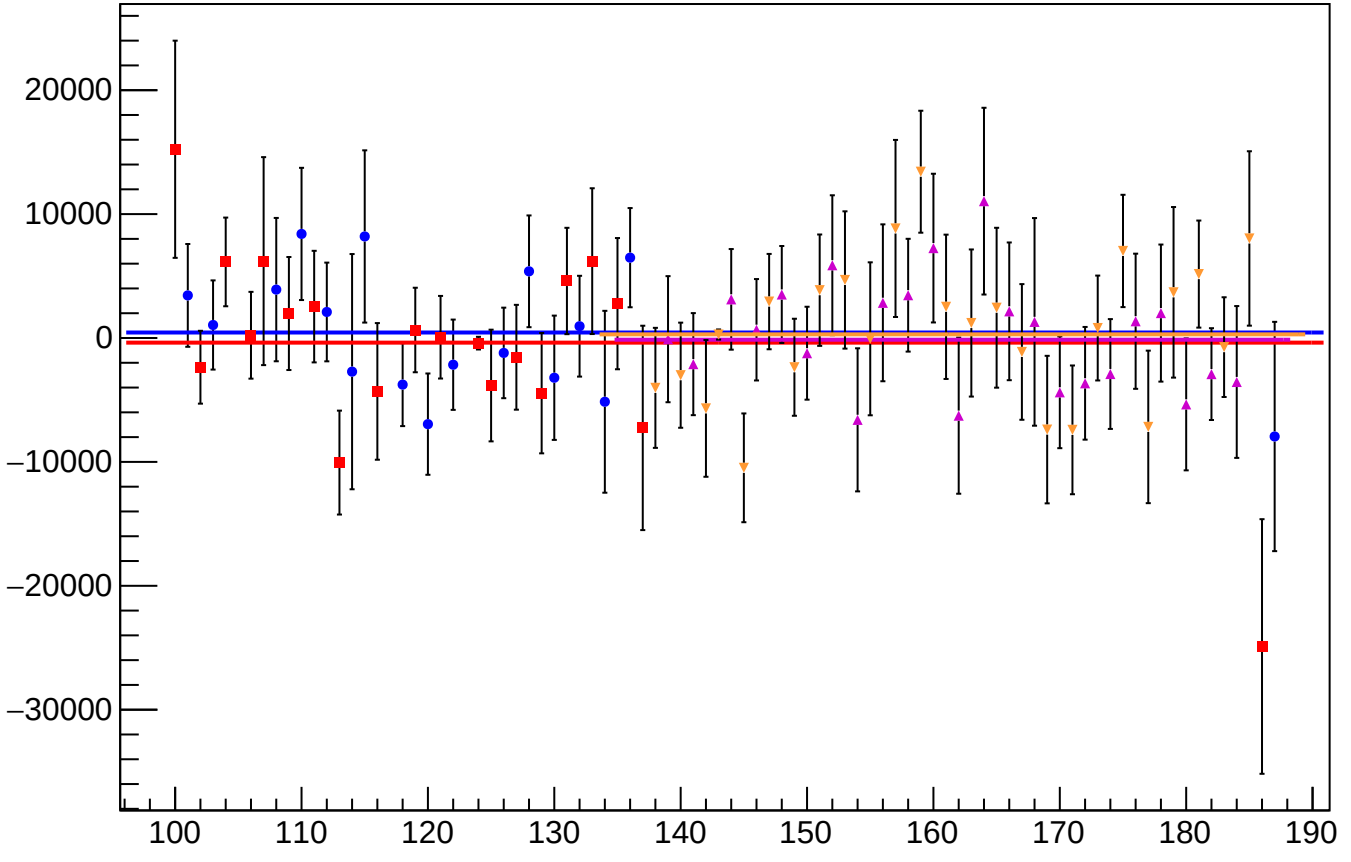
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.227+/-0.252 χ^2/NDF: 1024448.7/41

All: 1816.652+/-0.178 χ^2/NDF: 1435901.6/84

- sign 1810.064+/-0.252 χ^2/NDF: 410084.7/42

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 443.483+/-1093.447 χ^2/NDF: 15.6/16

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -374.279+/-457.494 χ^2/NDF: 24.9/19

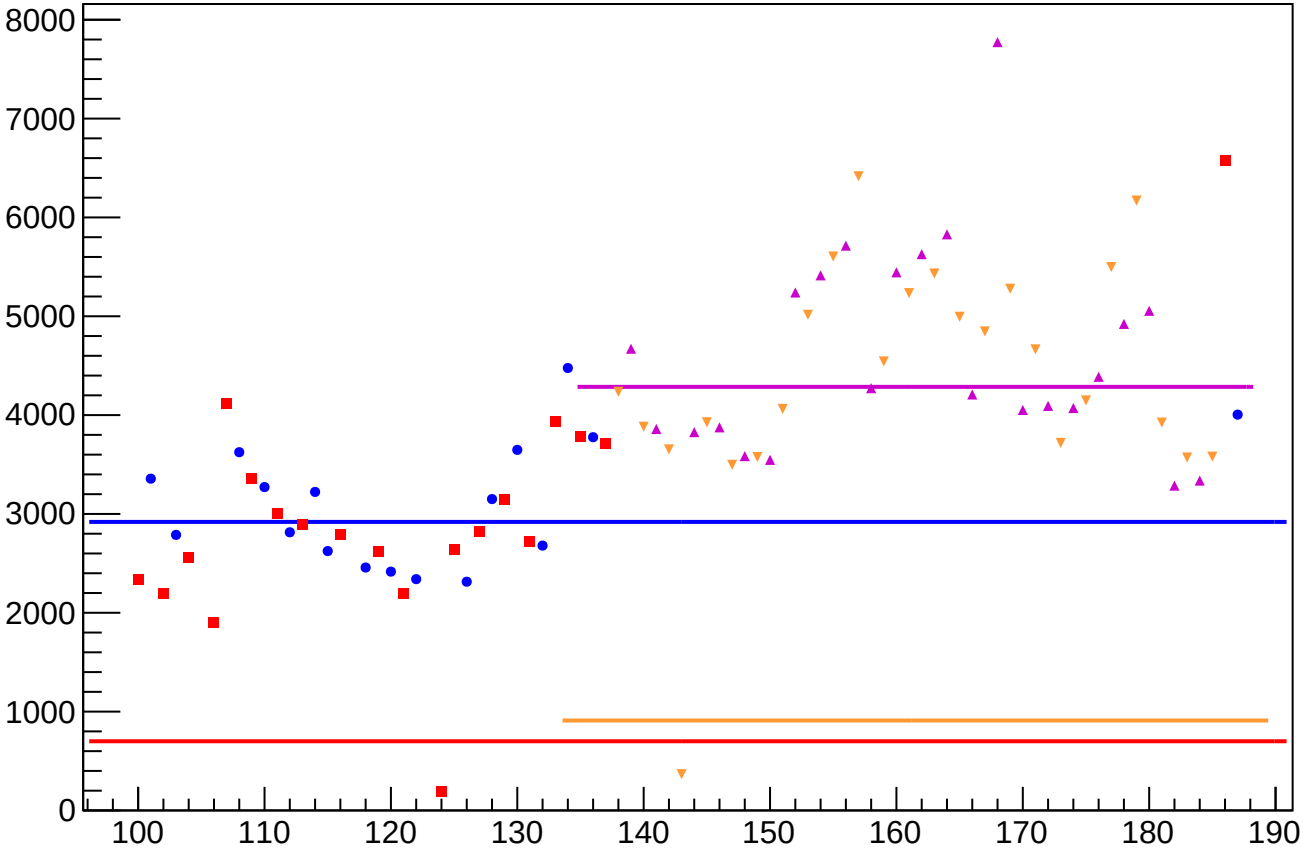
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

\+ sign 310.465+/-358.876 χ^2/NDF: 45.7/41

All: 36.312+/-272.187 χ^2/NDF: 85.9/84

\- sign -334.955+/-417.630 χ^2/NDF: 38.9/42

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 2919.431+/-0.773 χ^2/NDF: 507685.9/16

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 699.982+/-0.323 χ^2/NDF: 10803255.9/19

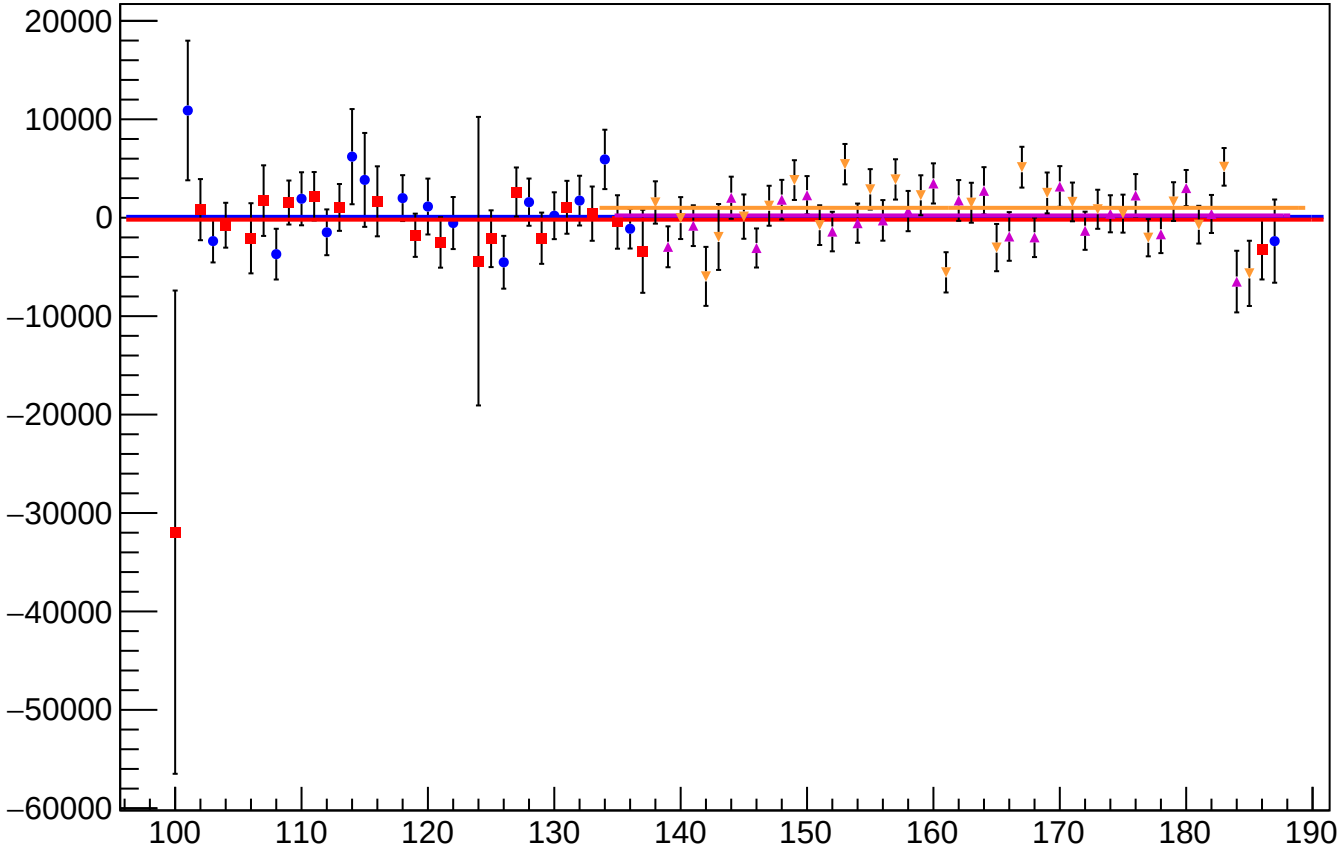
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1126.575+/-0.254 χ^2/NDF: 33307733.9/41

All: 1199.250+/-0.192 χ^2/NDF: 66111818.1/8

- sign 1297.668+/-0.295 χ^2/NDF: 32610996.9/42

cor_asym_atr1l2_dd_mean vs Slug



Right In: 88.864+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -196.956+/-640.436 χ^2/NDF: 10.0/19

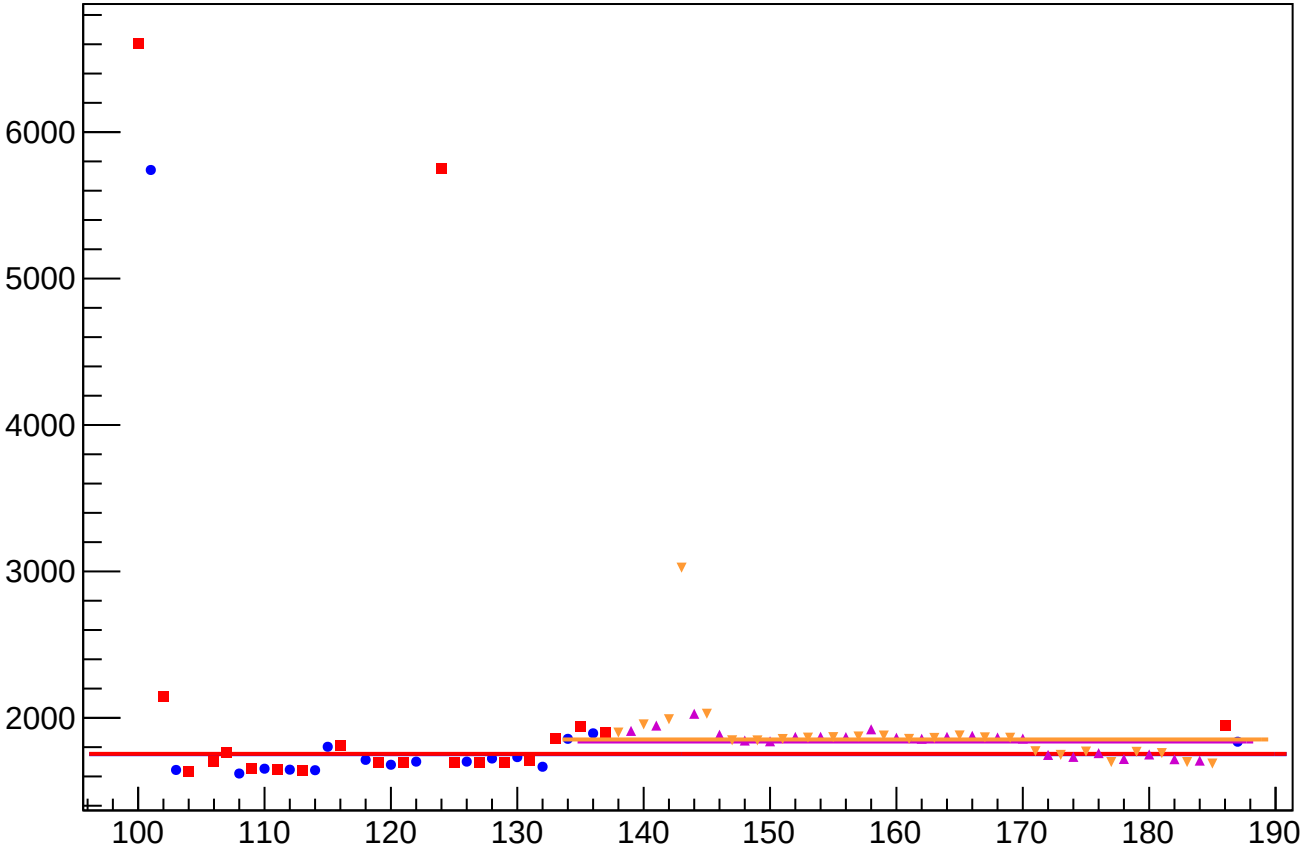
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 737.362+/-355.708 χ^2/NDF: 66.7/41

All: 418.152+/-251.917 χ^2/NDF: 105.0/84

- sign 96.935+/-356.824 χ^2/NDF: 36.7/42

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1751.983+/-0.466 χ^2/NDF: 670406.9/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

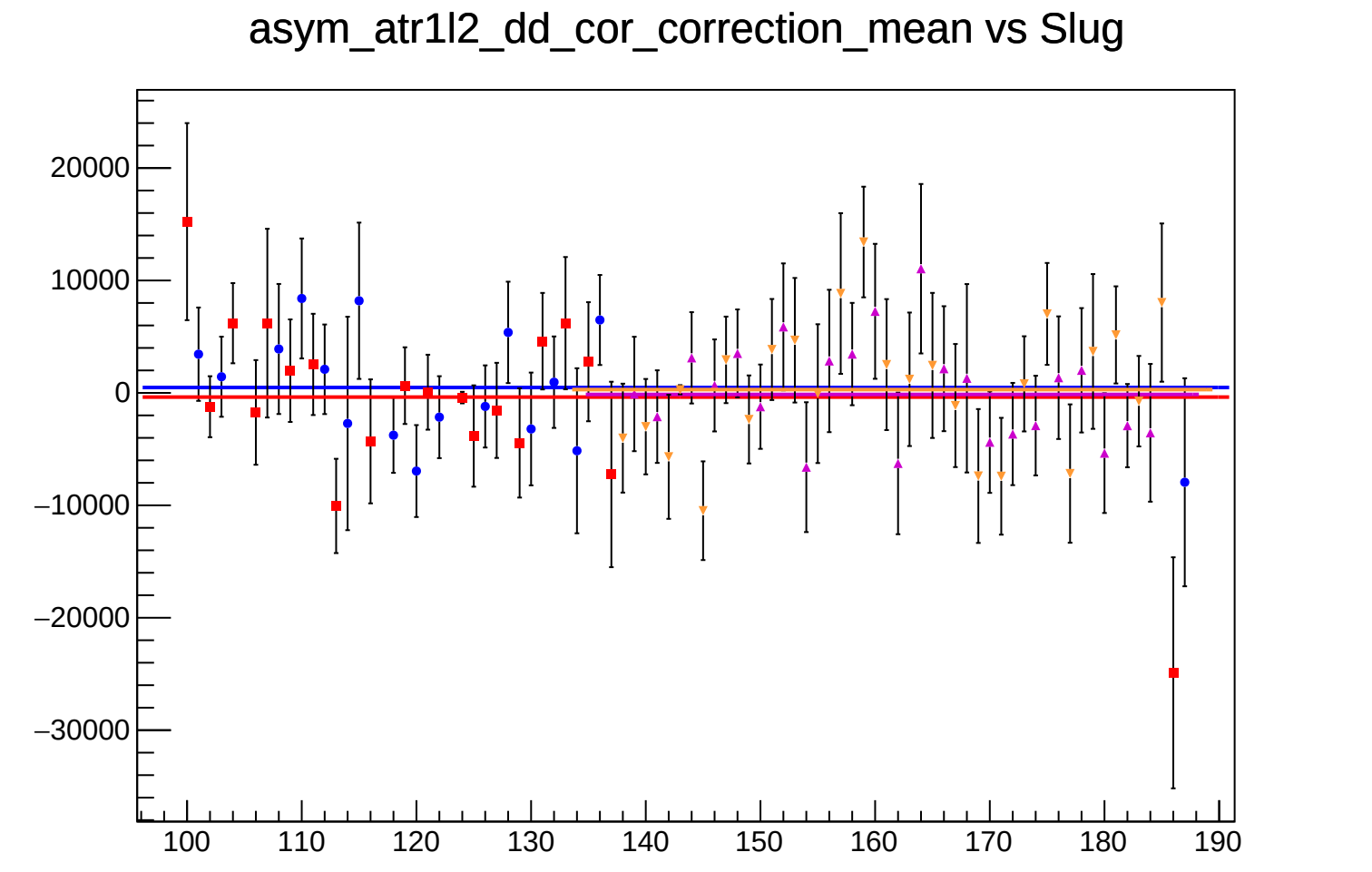
Right Out: 1754.179+/-0.451 χ^2/NDF: 306516.4/19

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.227+/-0.252 χ^2/NDF: 1024449.1/41

All: 1817.732+/-0.178 χ^2/NDF: 1424441.7/84

- sign 1812.215+/-0.252 χ^2/NDF: 399036.0/42



Right In: 481.045+/-1092.432 χ^2/NDF: 15.7/16

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -372.075+/-458.406 χ^2/NDF: 24.7/19

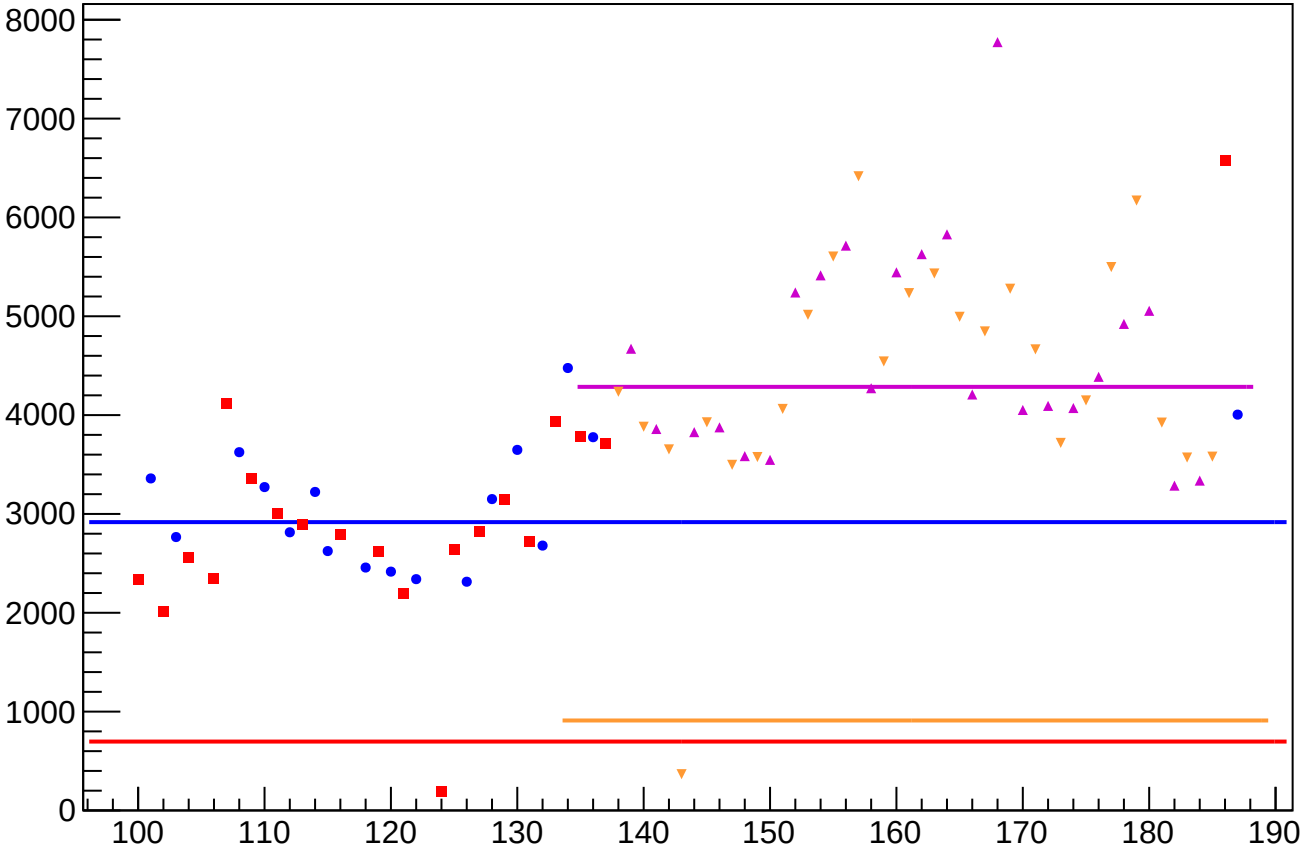
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 315.352+/-358.865 χ^2/NDF: 45.7/41

All: 40.499+/-272.373 χ^2/NDF: 85.8/84

- sign -332.976+/-418.323 χ^2/NDF: 38.7/42

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 2917.235+/-0.772 χ^2/NDF: 508958.2/16

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 696.972+/-0.324 χ^2/NDF: 10760815.7/19

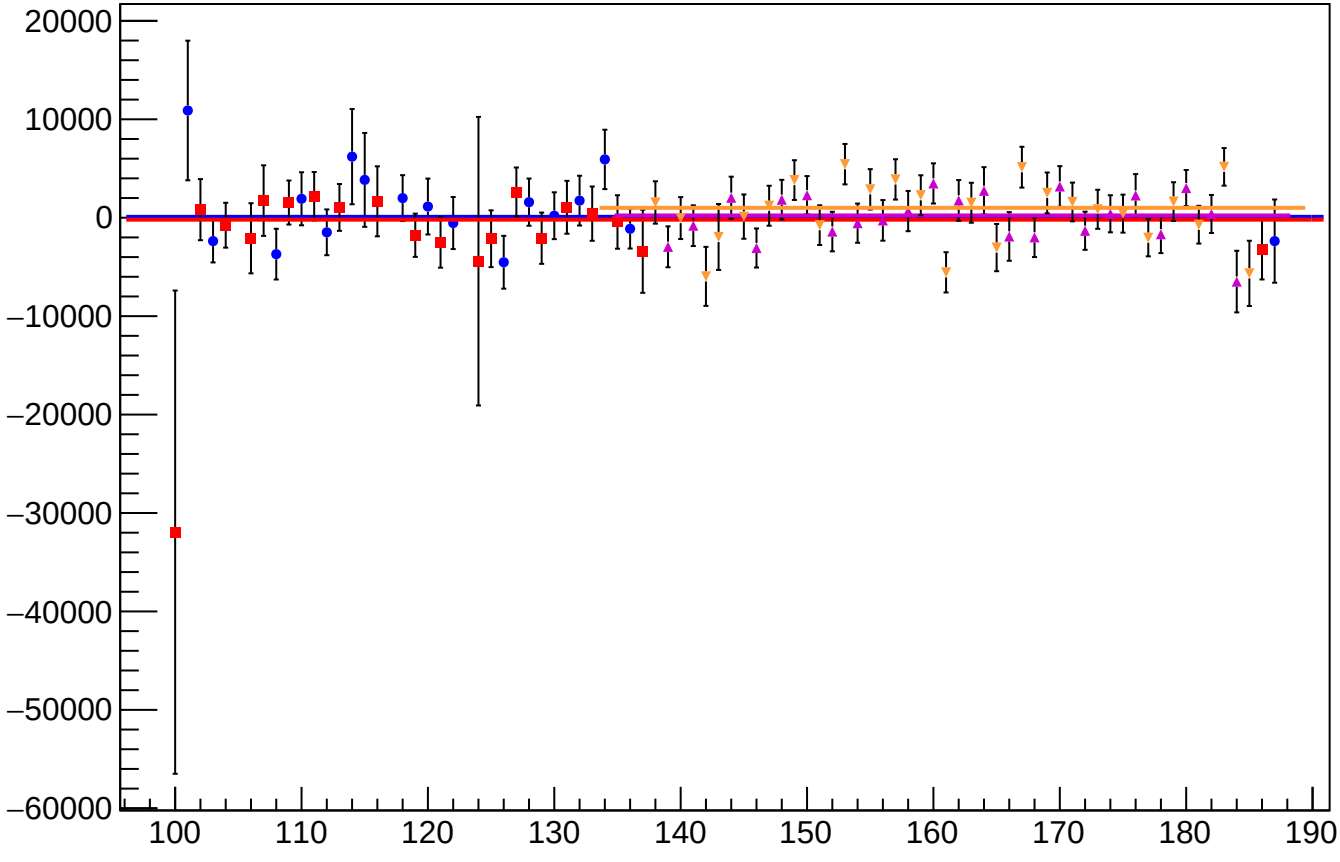
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1126.833+/-0.254 χ^2/NDF: 33303855.5/41

All: 1199.036+/-0.193 χ^2/NDF: 66084119.3/8

- sign 1297.148+/-0.296 χ^2/NDF: 32589288.0/42

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 88.864+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -196.956+/-640.436 χ^2/NDF: 10.0/19

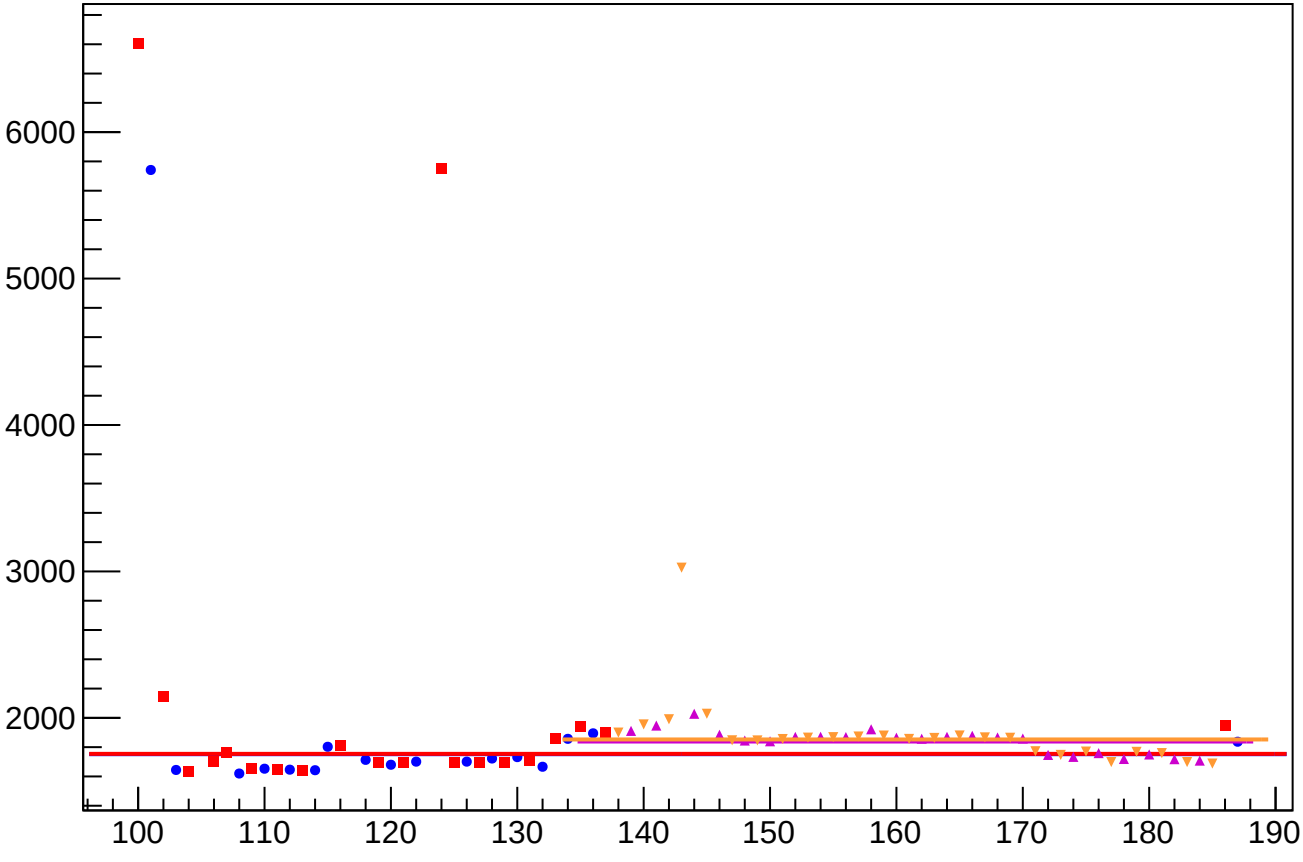
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 737.362+/-355.708 χ^2/NDF: 66.7/41

All: 418.152+/-251.917 χ^2/NDF: 105.0/84

- sign 96.935+/-356.824 χ^2/NDF: 36.7/42

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1751.983+/-0.466 χ^2/NDF: 670406.9/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

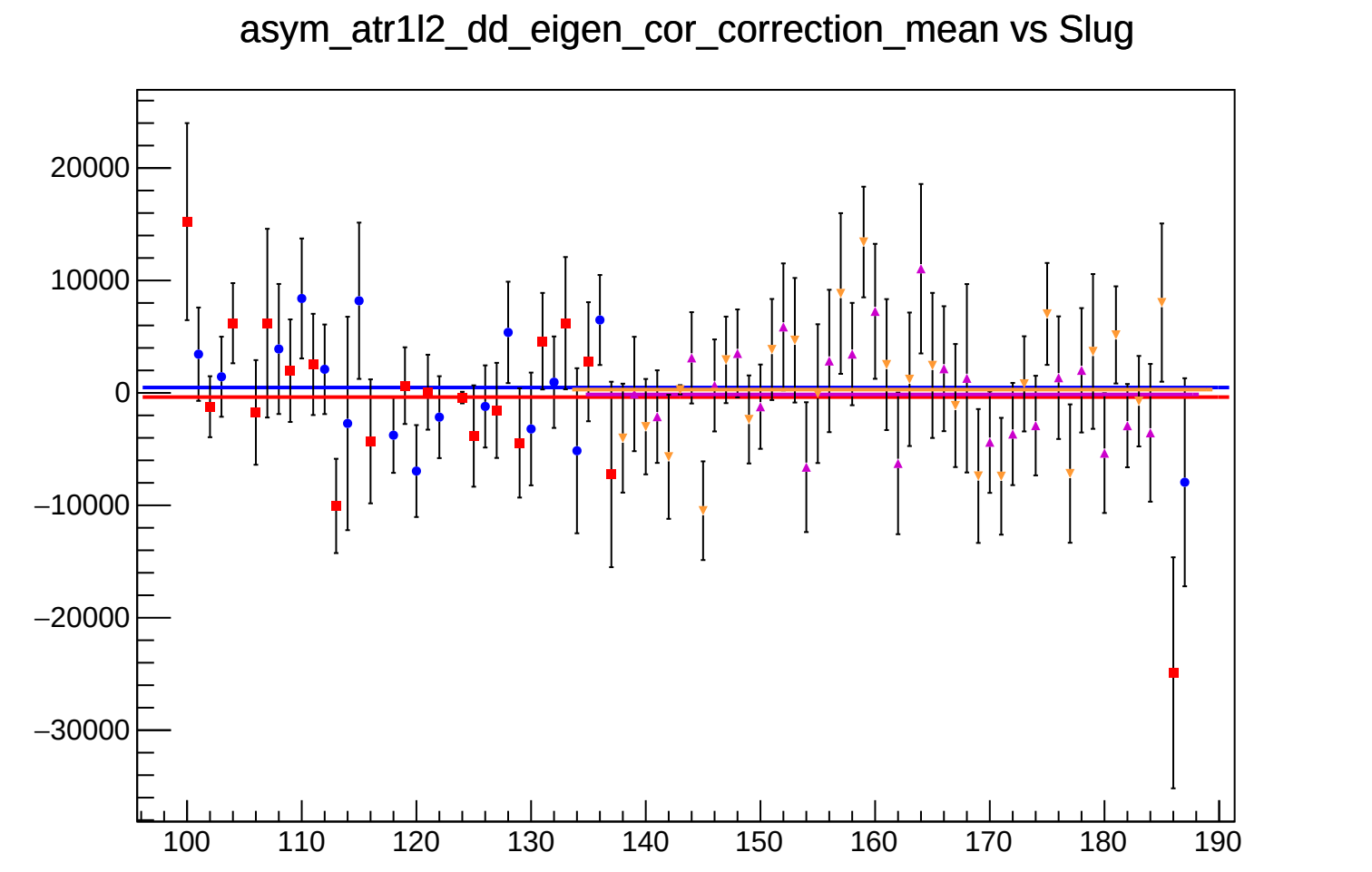
Right Out: 1754.179+/-0.451 χ^2/NDF: 306516.4/19

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1823.227+/-0.252 χ^2/NDF: 1024449.1/41

All: 1817.732+/-0.178 χ^2/NDF: 1424441.7/84

- sign 1812.215+/-0.252 χ^2/NDF: 399036.0/42



Right In: 481.045+/-1092.432 χ^2/NDF: 15.7/16

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -372.075+/-458.406 χ^2/NDF: 24.7/19

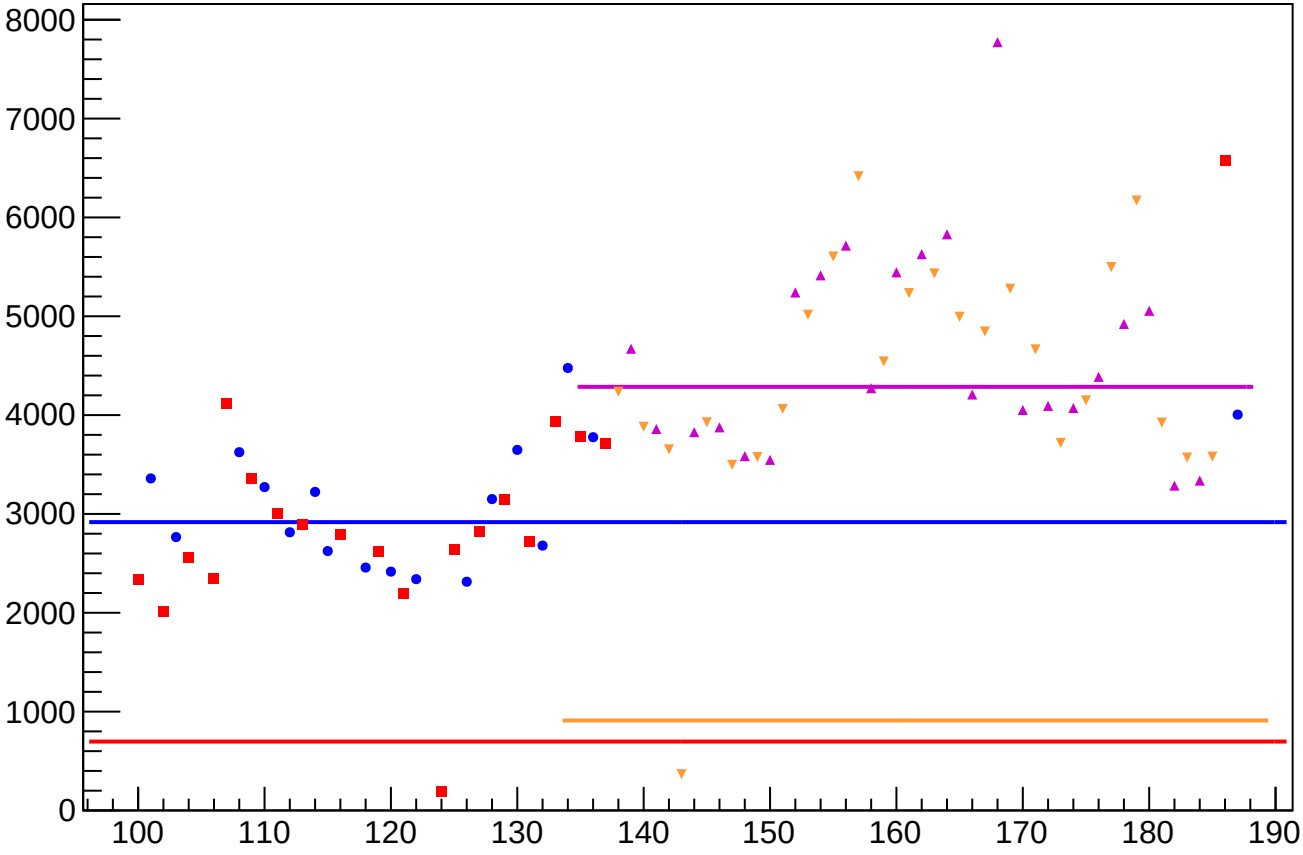
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 315.352+/-358.865 χ^2/NDF: 45.7/41

All: 40.499+/-272.373 χ^2/NDF: 85.8/84

- sign -332.976+/-418.323 χ^2/NDF: 38.7/42

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 2917.235+/-0.772 χ^2/NDF: 508958.2/16

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 696.972+/-0.324 χ^2/NDF: 10760815.7/19

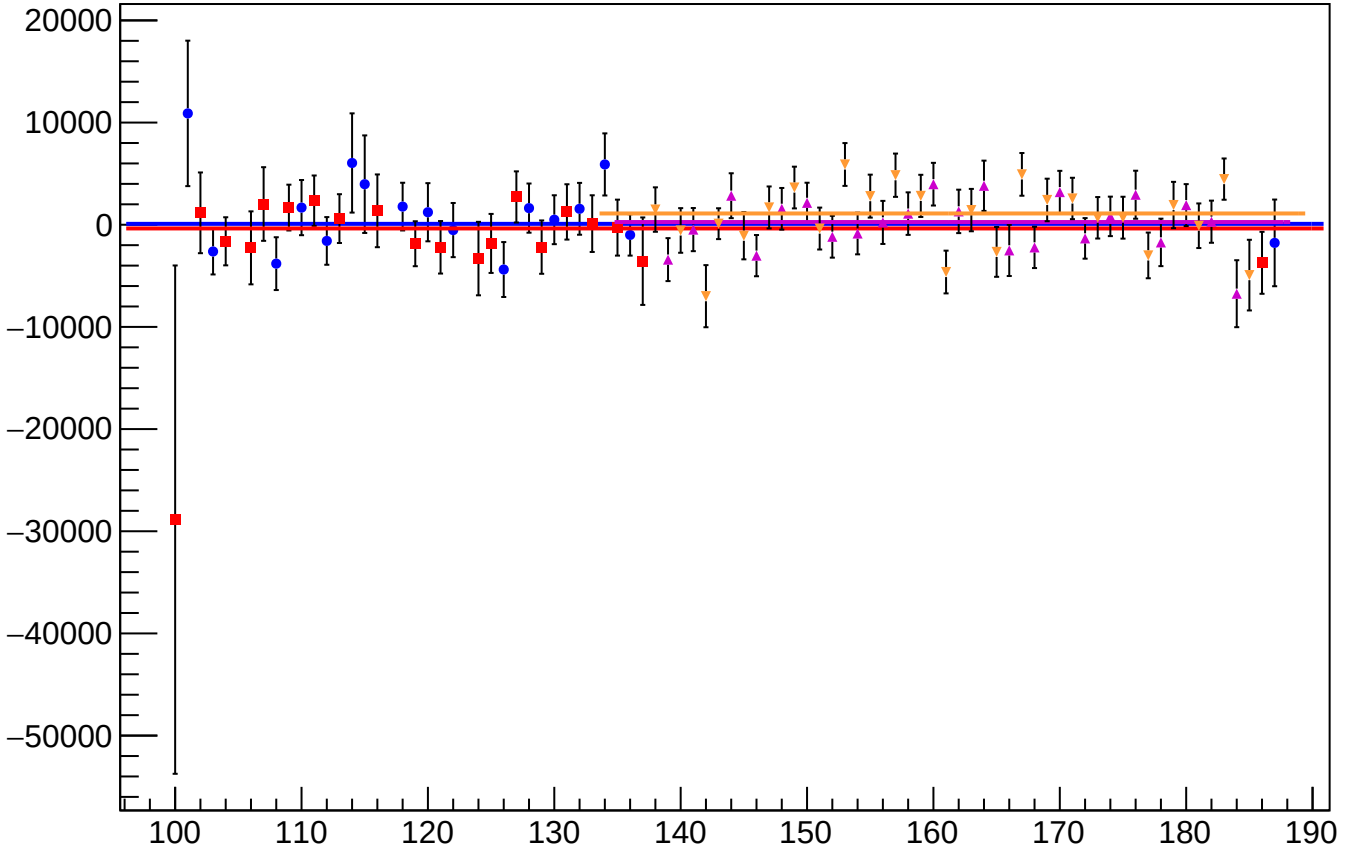
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1126.833+/-0.254 χ^2/NDF: 33303855.5/41

All: 1199.036+/-0.193 χ^2/NDF: 66084119.3/8

- sign 1297.148+/-0.296 χ^2/NDF: 32589288.0/42

dit_asym_atr1l2_dd_mean vs Slug



Right In: 87.123+/-663.357 χ^2/NDF: 17.5/16

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -362.035+/-639.719 χ^2/NDF: 11.0/19

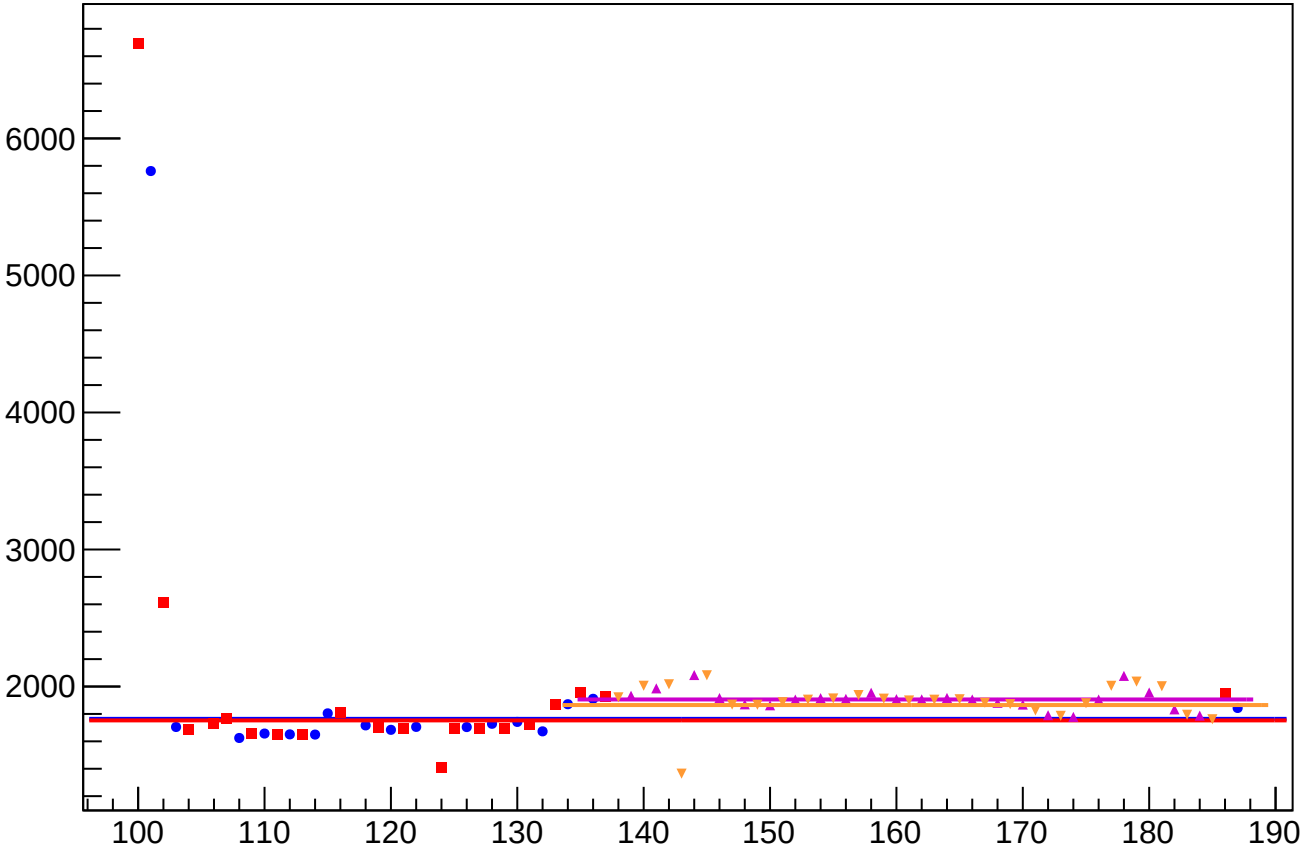
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 807.265+/-358.046 χ^2/NDF: 63.9/41

All: 441.357+/-255.773 χ^2/NDF: 105.4/84

- sign 60.046+/-365.504 χ^2/NDF: 39.3/42

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1764.044+/-0.469 χ^2/NDF: 668416.4/16

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1752.894+/-0.451 χ^2/NDF: 236688.3/19

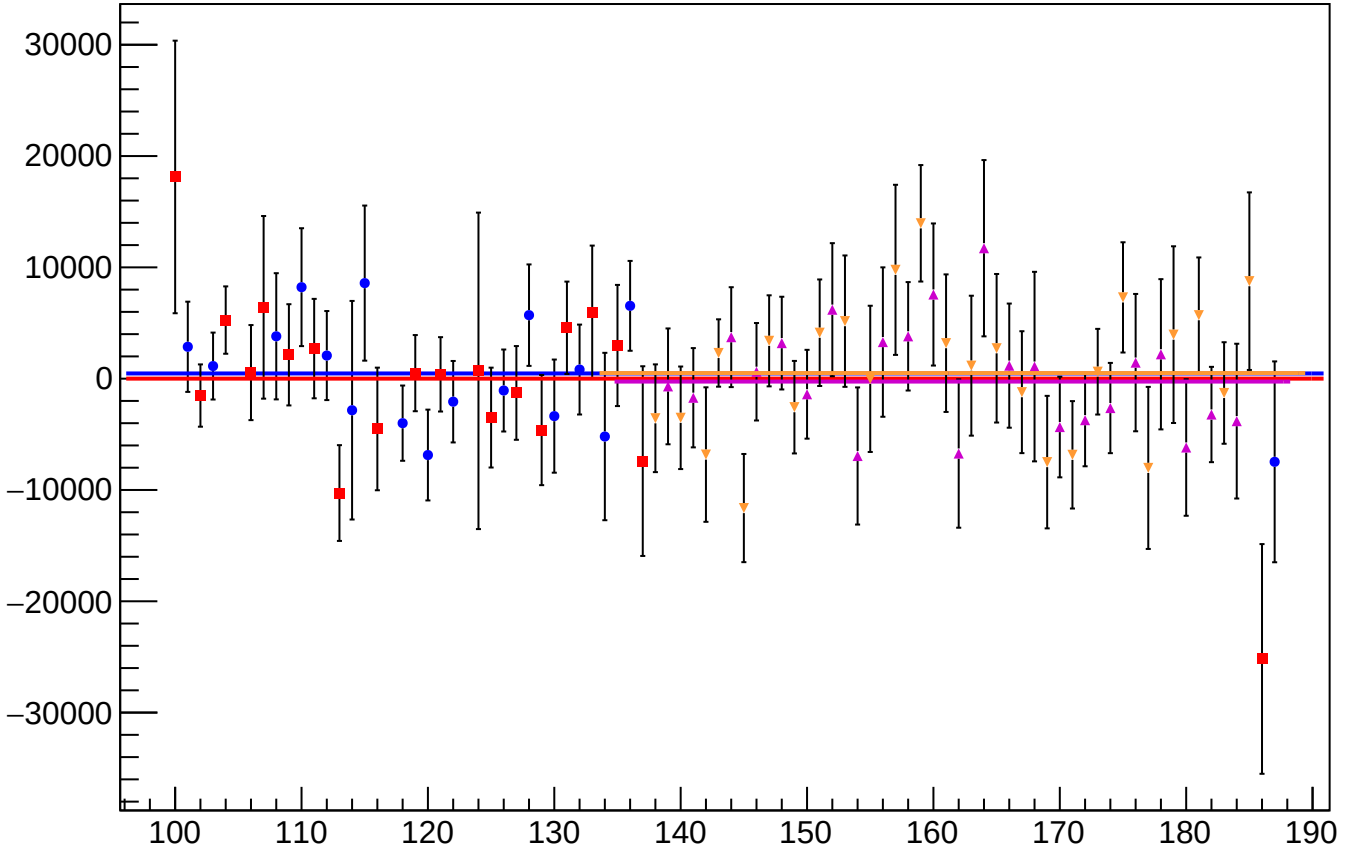
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1835.476+/-0.253 χ^2/NDF: 995852.8/41

All: 1845.332+/-0.181 χ^2/NDF: 1365488.5/84

- sign 1855.583+/-0.258 χ^2/NDF: 366544.0/42

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 468.173+/-1073.796 χ^2/NDF: 15.7/16

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 3.665+/-1016.051 χ^2/NDF: 23.9/19

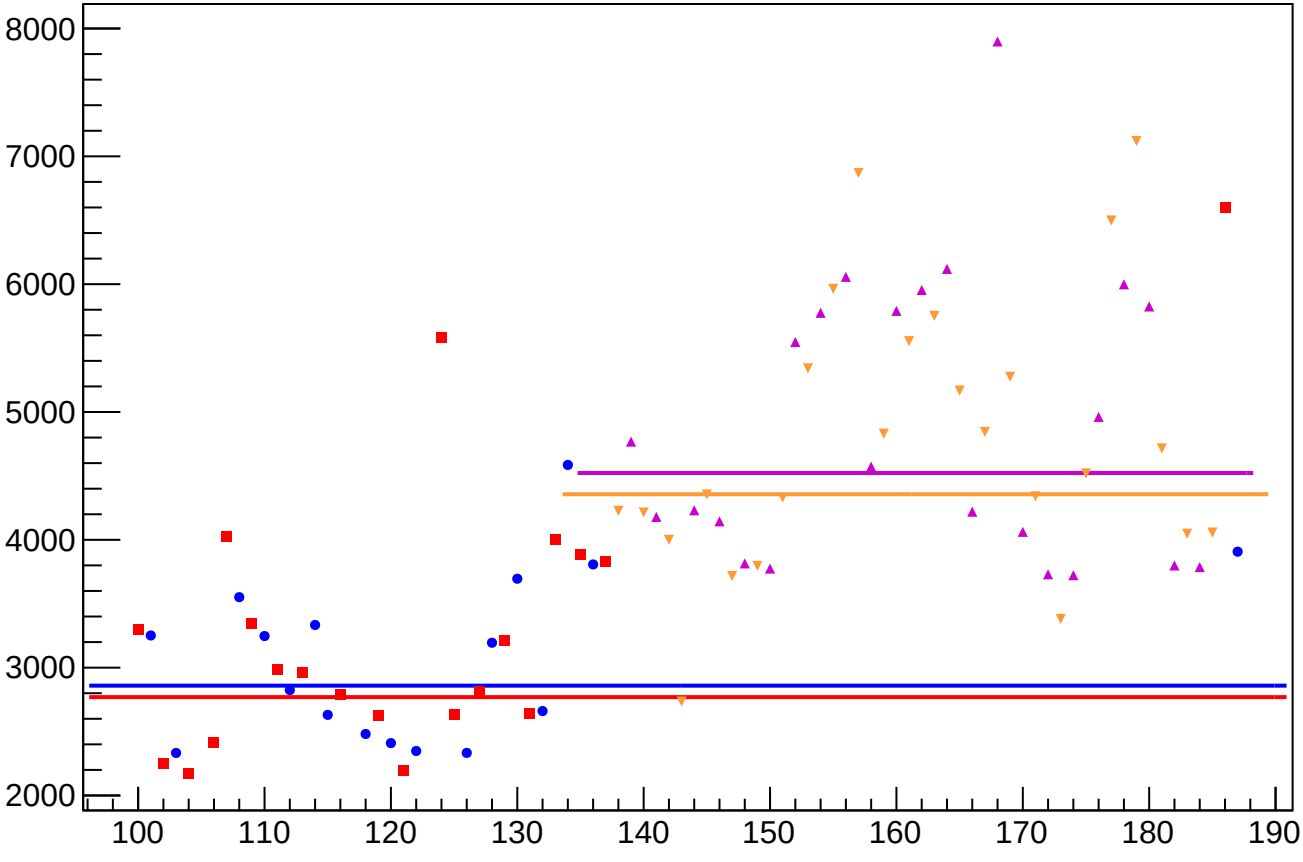
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 487.114+/-740.177 χ^2/NDF: 45.7/41

All: 183.456+/-523.492 χ^2/NDF: 83.6/84

- sign -120.453+/-740.482 χ^2/NDF: 37.6/42

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 2859.210+/-0.759 χ^2/NDF: 569411.1/16

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

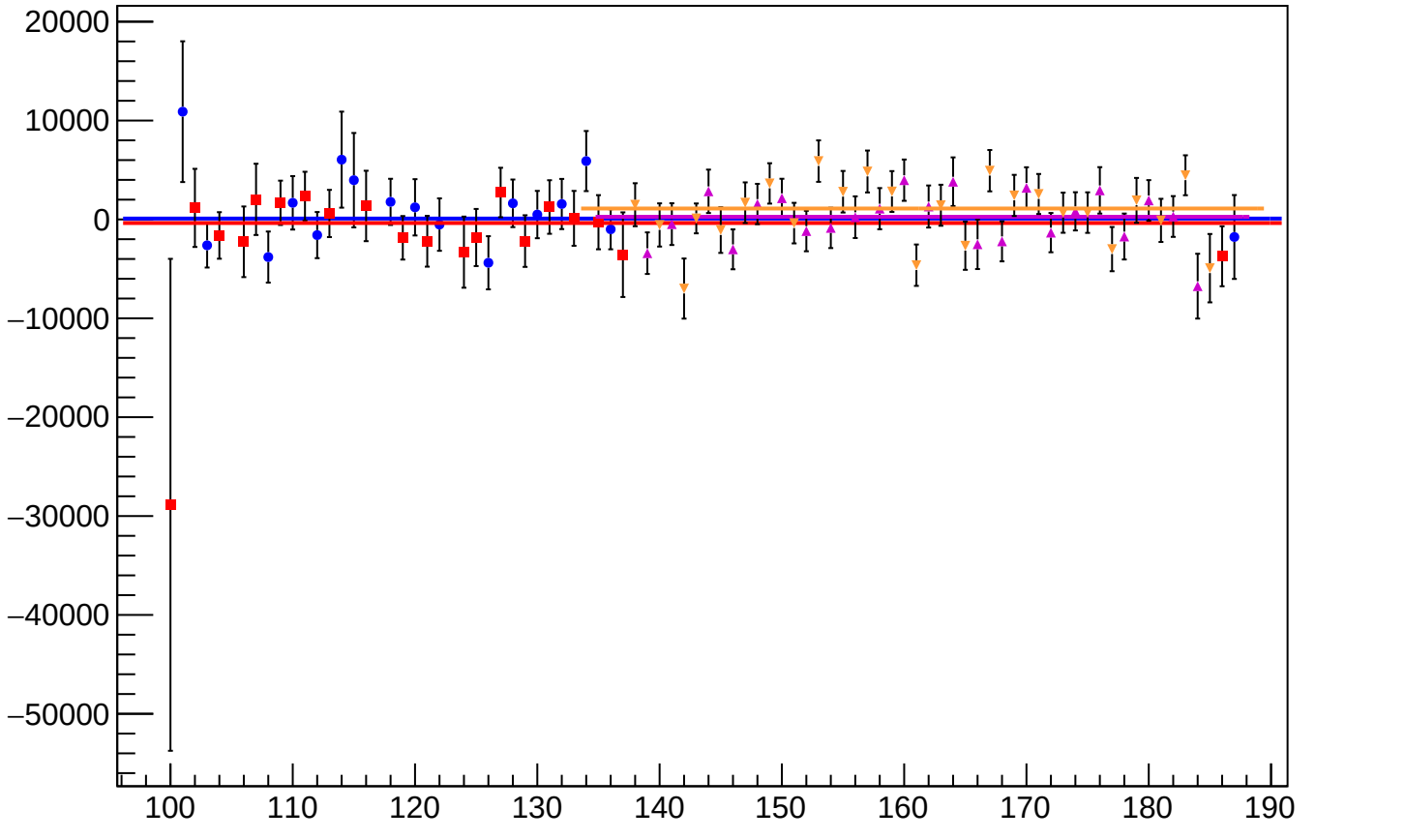
Right Out: 2769.470+/-0.718 χ^2/NDF: 889437.7/19

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3645.143+/-0.523 χ^2/NDF: 4523092.3/41

All: 3618.359+/-0.370 χ^2/NDF: 9644162.4/84

- sign 3591.553+/-0.524 χ^2/NDF: 5115830.2/42



Right In: 87.121+/-663.357 χ^2/NDF: 17.5/16

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -362.030+/-639.719 χ^2/NDF: 11.0/19

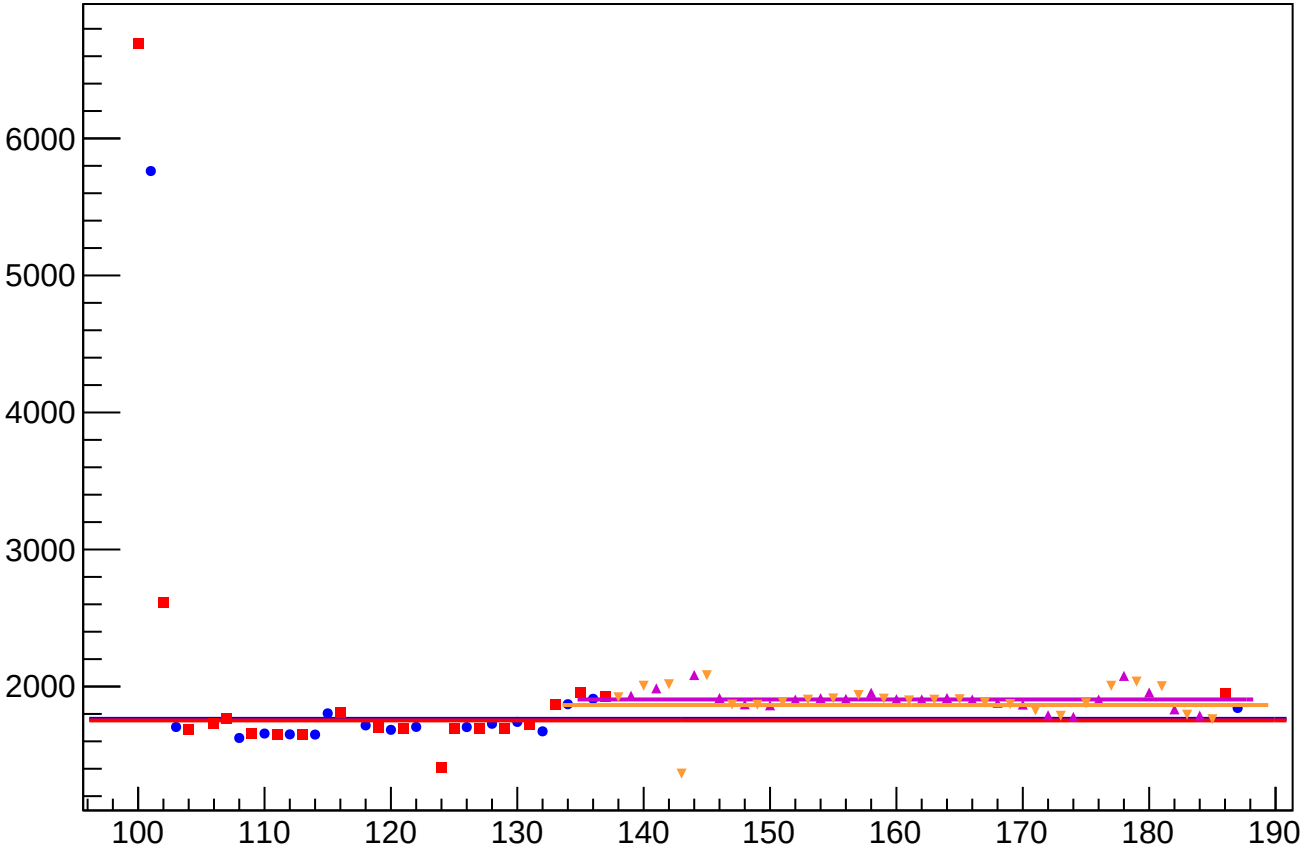
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 807.265+/-358.046 χ^2/NDF: 63.9/41

All: 441.358+/-255.773 χ^2/NDF: 105.4/84

- sign 60.048+/-365.504 χ^2/NDF: 39.3/42

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1764.045+/-0.469 χ^2/NDF: 668416.4/16

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

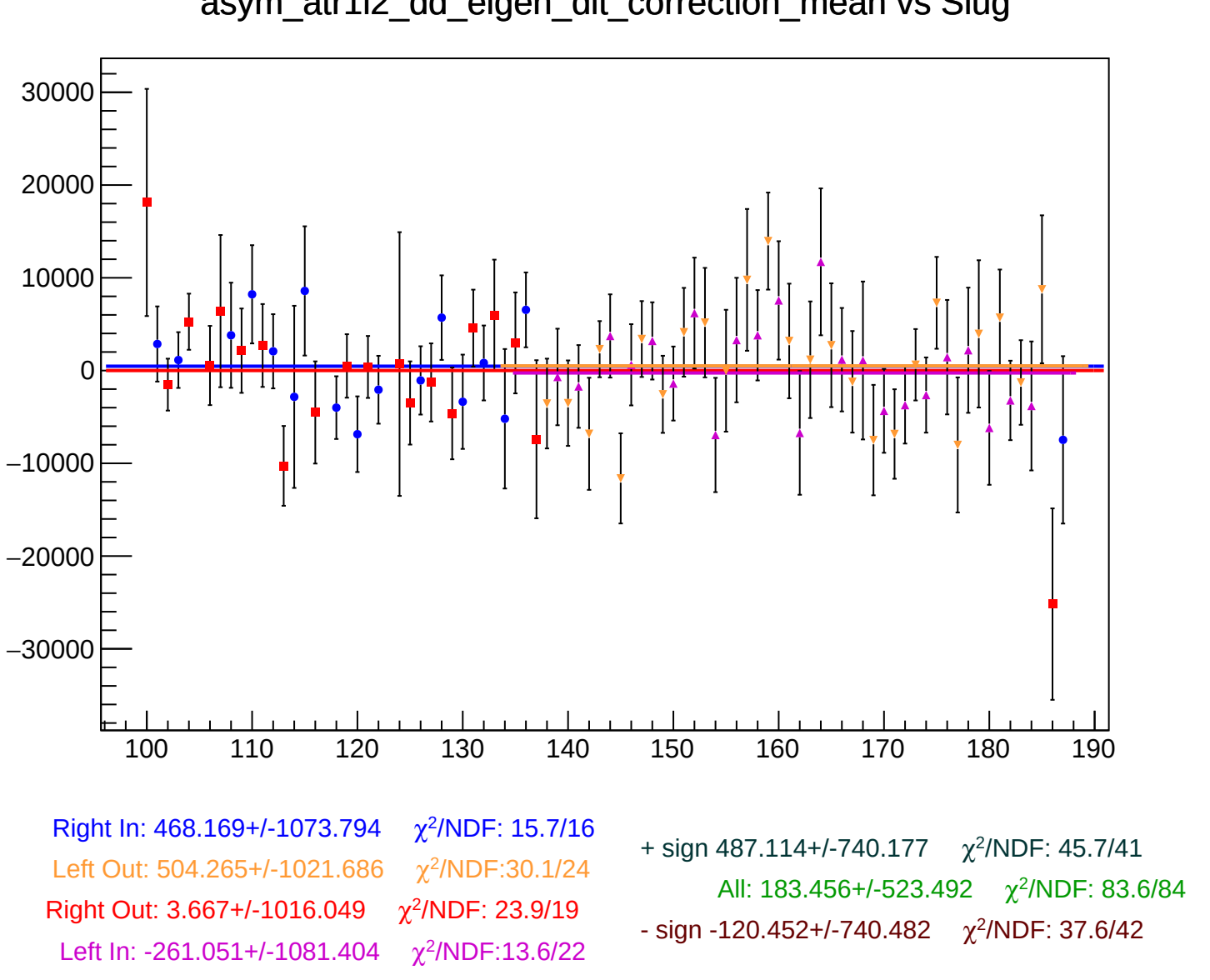
Right Out: 1752.894+/-0.451 χ^2/NDF: 236688.3/19

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

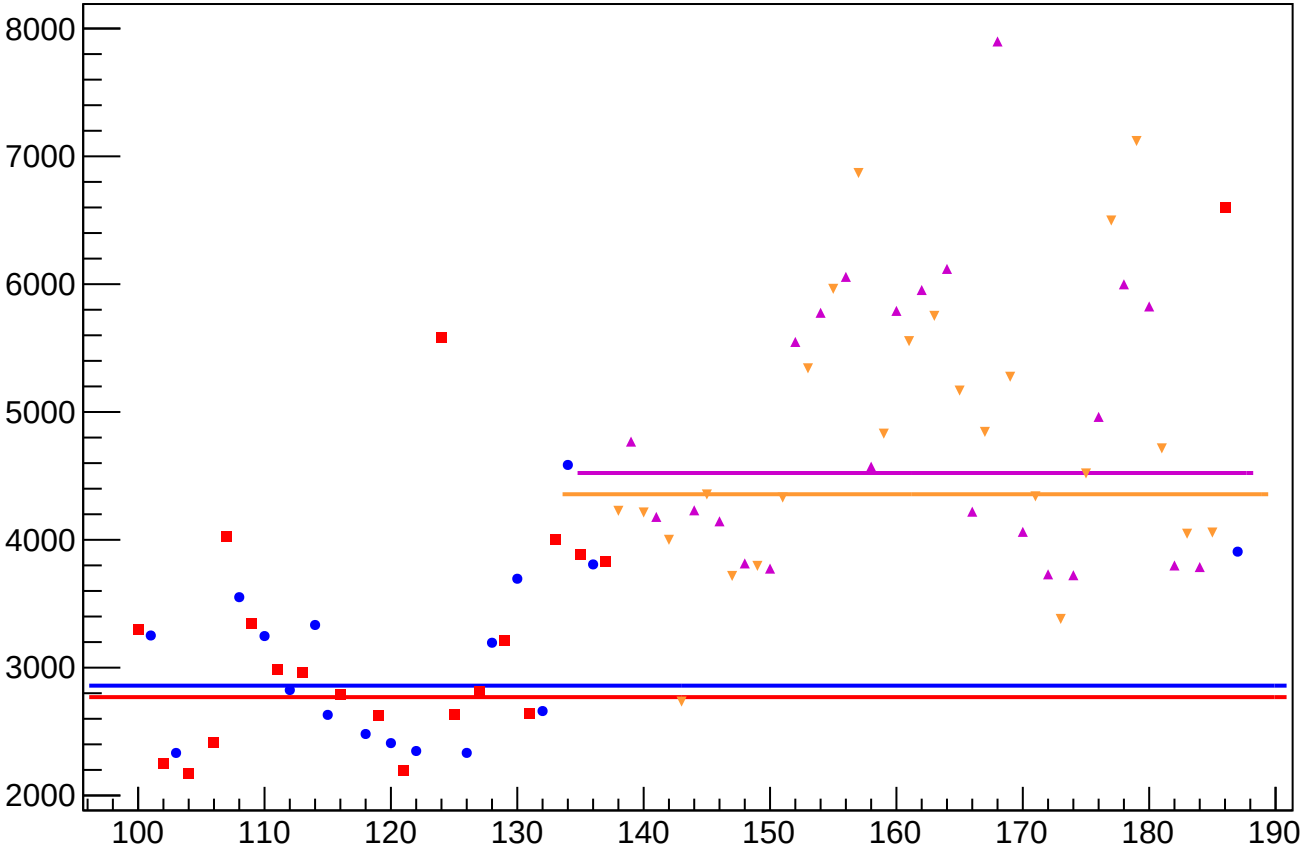
+ sign 1835.477+/-0.253 χ^2/NDF: 995856.7/41

All: 1845.332+/-0.181 χ^2/NDF: 1365495.8/84

- sign 1855.584+/-0.258 χ^2/NDF: 366547.4/42


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 468.169+/-1073.794 χ²/NDF: 15.7/16
Left Out: 504.265+/-1021.686 χ²/NDF:30.1/24
Right Out: 3.667+/-1016.049 χ²/NDF: 23.9/19
Left In: -261.051+/-1081.404 χ²/NDF:13.6/22
+ sign 487.114+/-740.177 χ²/NDF: 45.7/41
All: 183.456+/-523.492 χ²/NDF: 83.6/84
- sign -120.452+/-740.482 χ²/NDF: 37.6/42

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 2859.203+/-0.759 χ^2/NDF: 569415.5/16

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2769.464+/-0.718 χ^2/NDF: 889435.6/19

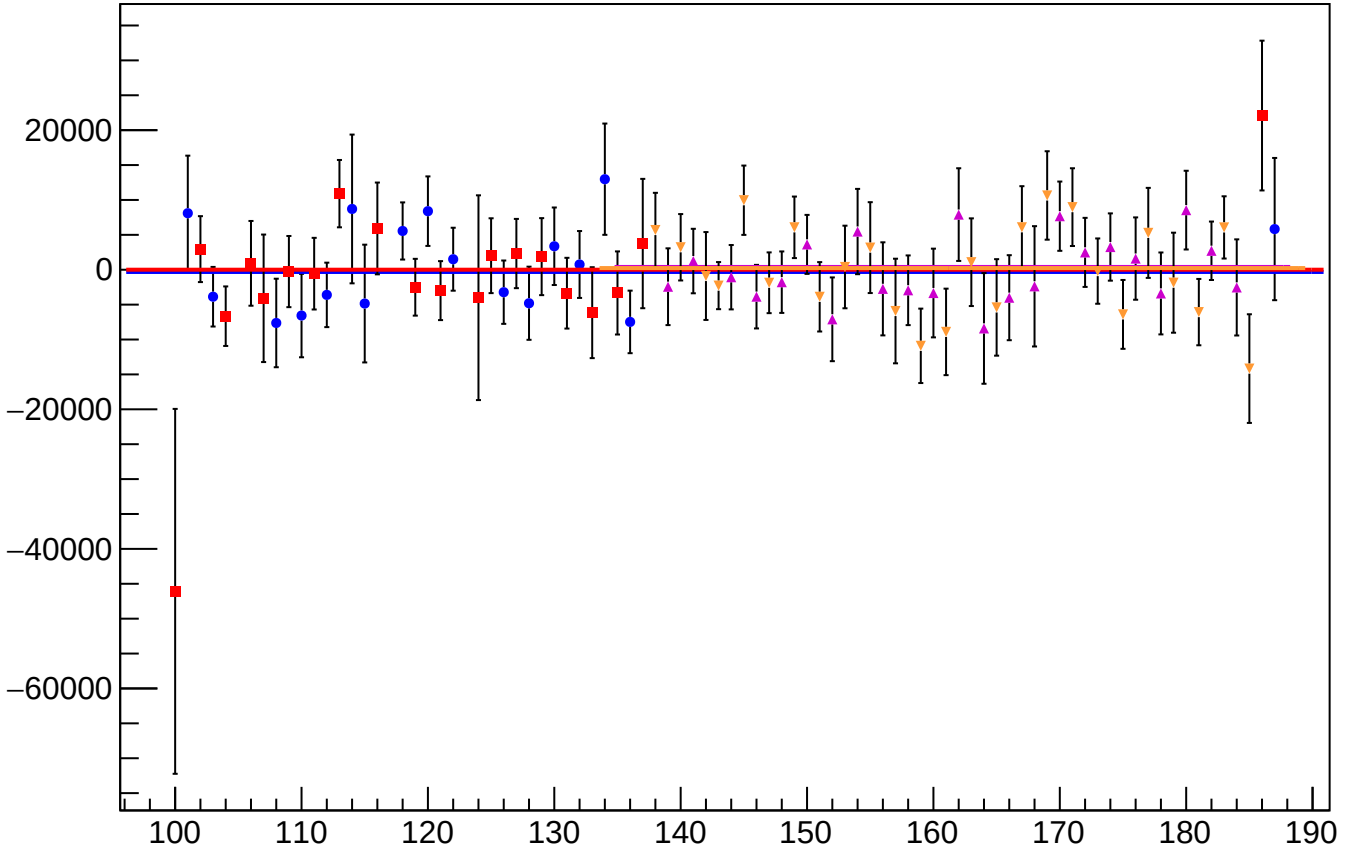
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3645.140+/-0.523 χ^2/NDF: 4523142.8/41

All: 3618.356+/-0.370 χ^2/NDF: 9644255.3/84

- sign 3591.550+/-0.524 χ^2/NDF: 5115872.6/42

asym_atr1l2_dd_mean vs Slug



Right In: -318.874+/-1316.143 χ^2/NDF: 18.3/16

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 4.362+/-1266.797 χ^2/NDF: 19.6/19

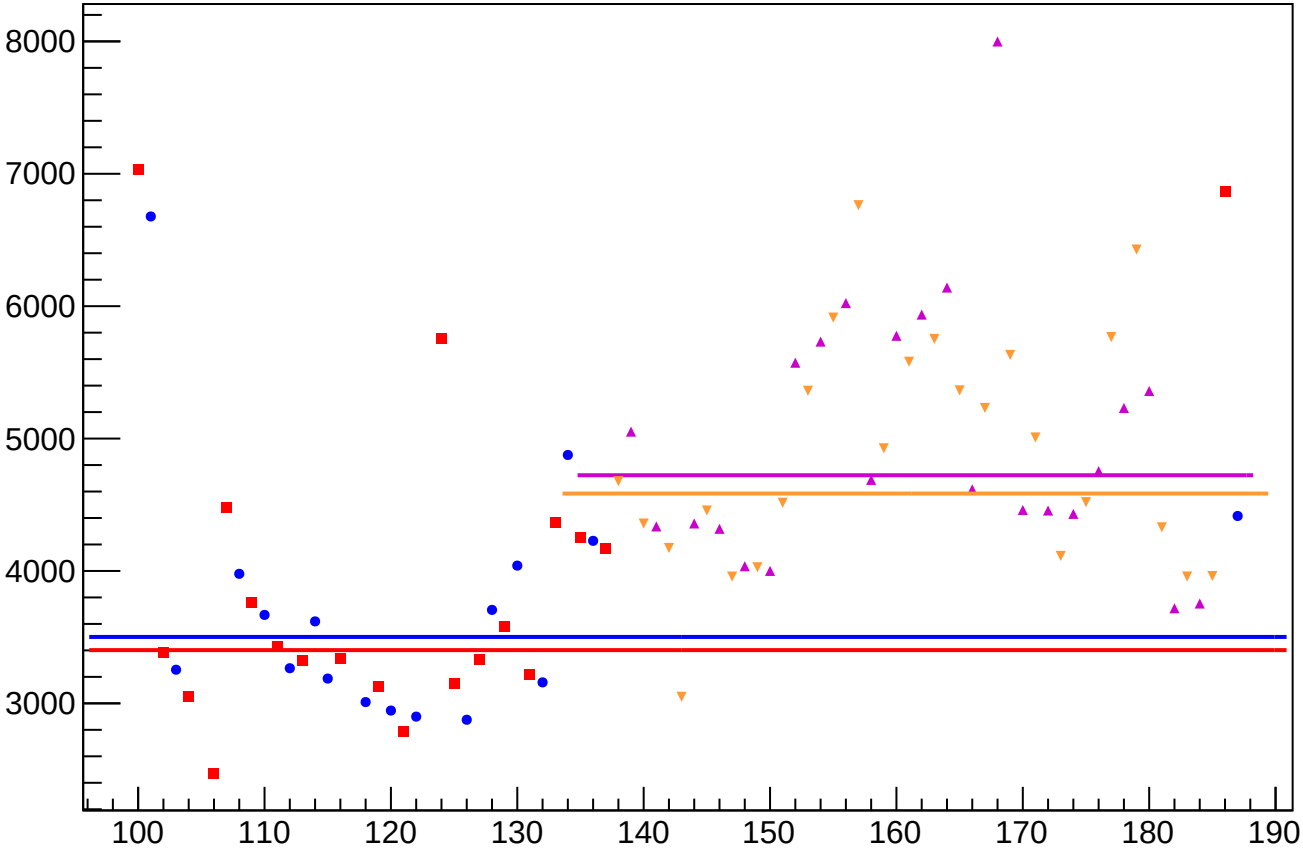
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 18.905+/-827.738 χ^2/NDF: 50.6/41

All: 120.484+/-589.462 χ^2/NDF: 84.4/84

- sign 225.004+/-839.639 χ^2/NDF: 33.8/42

asym_atr1l2_dd_rms vs Slug



Right In: 3501.663+/-0.931 χ^2/NDF: 612136.5/16

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

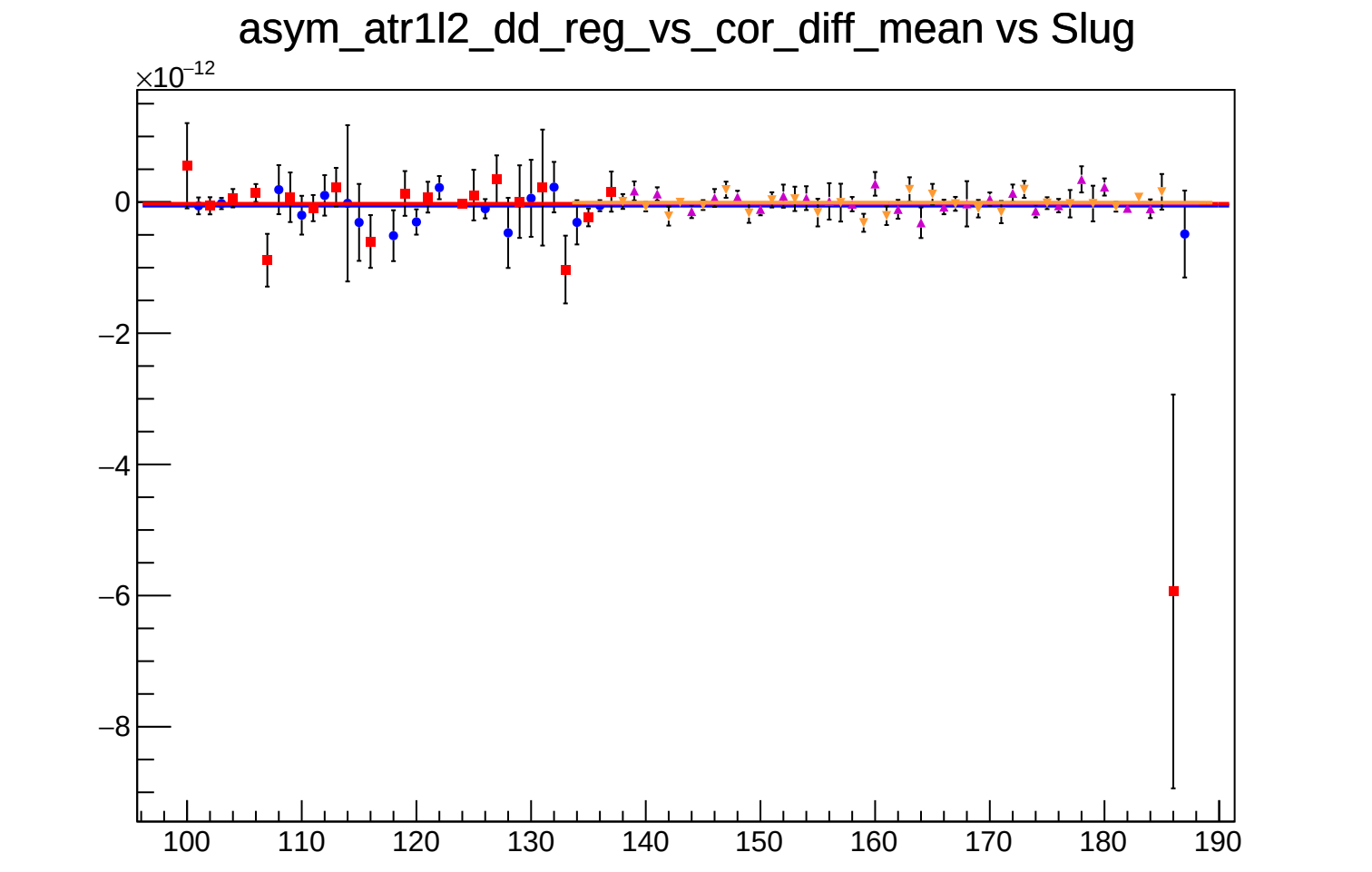
Right Out: 3402.071+/-0.883 χ^2/NDF: 588076.9/19

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

\+ sign 4156.303+/-0.585 χ^2/NDF: 2742429.5/41

All: 4145.087+/-0.416 χ^2/NDF: 5586112.9/84

\- sign 4133.687+/-0.590 χ^2/NDF: 2842943.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/19

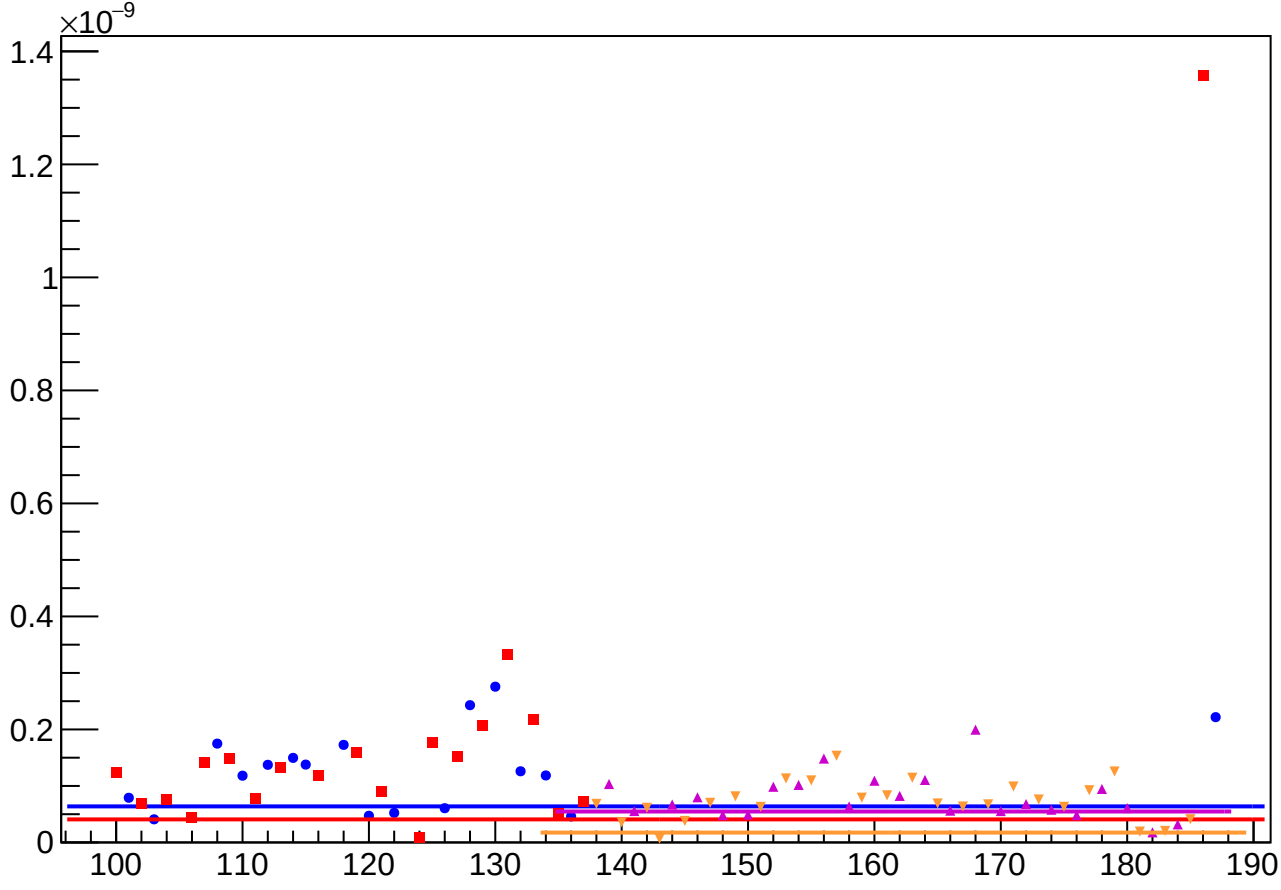
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/41

All: -0.000+/-0.000 χ^2/NDF: 81.2/84

- sign -0.000+/-0.000 χ^2/NDF: 48.3/42

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1546095.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3556993.9/19

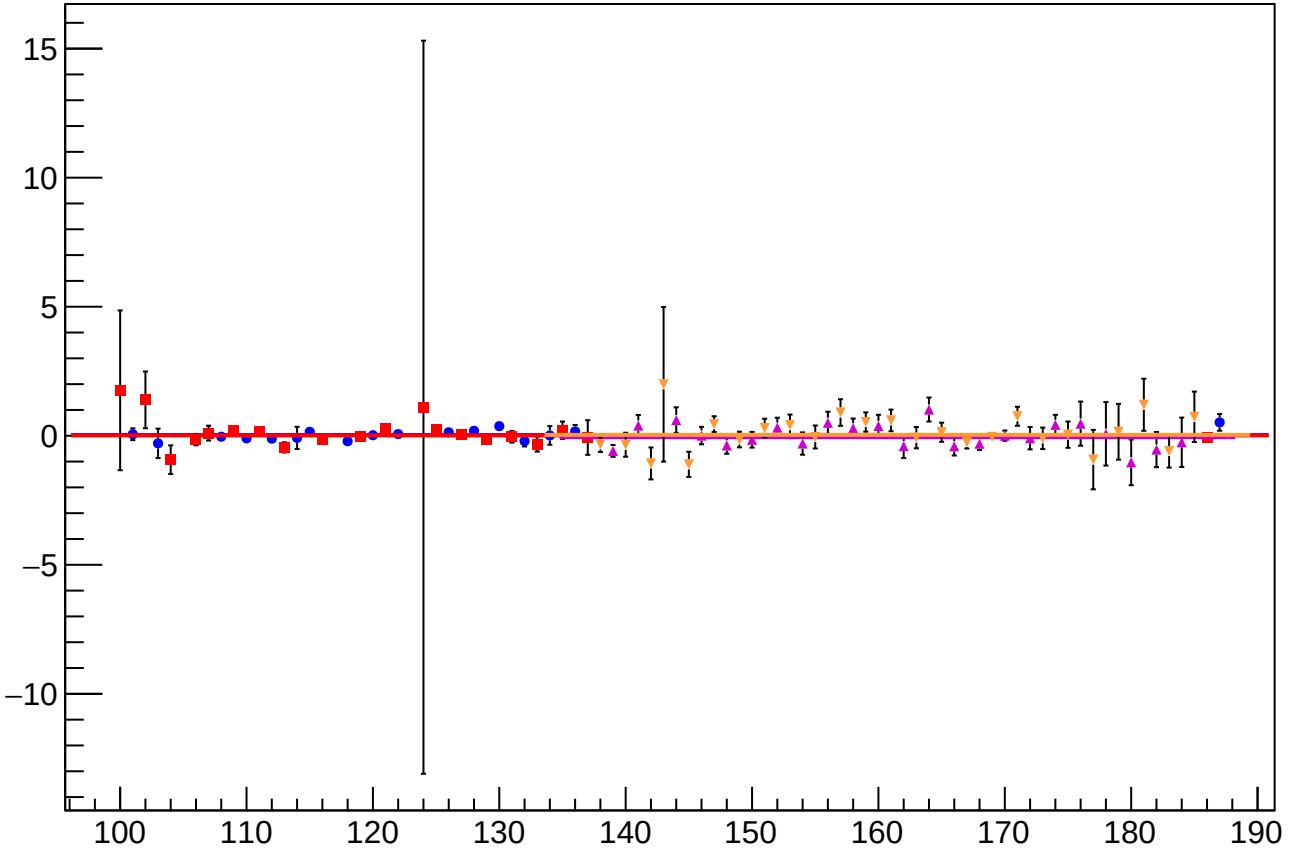
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12465407.0/41

All: 0.000+/-0.000 χ^2/NDF: 22570569.0/84

- sign 0.000+/-0.000 χ^2/NDF: 6567533.9/42

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.015+/-0.043 χ^2/NDF: 22.5/19

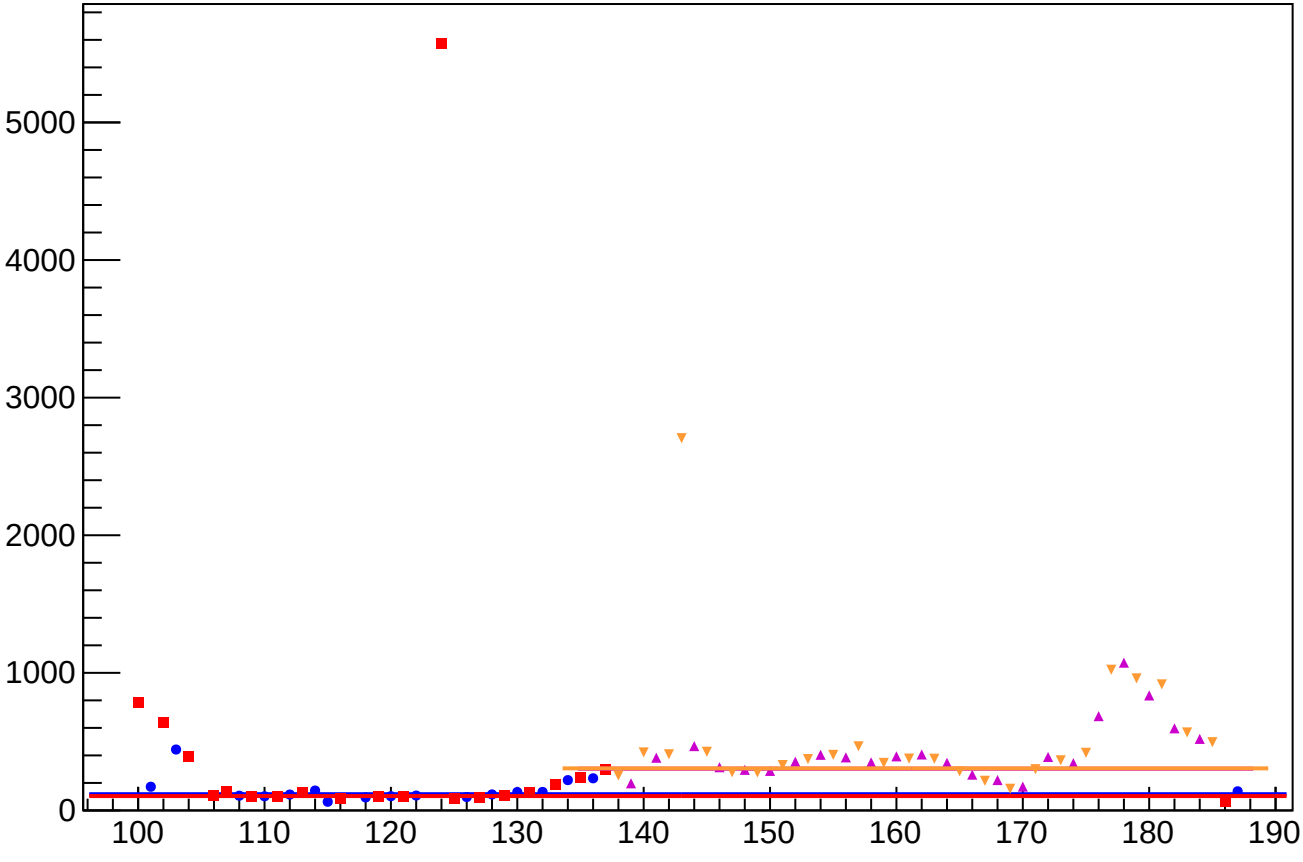
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.028+/-0.040 χ^2/NDF: 44.6/41

All: 0.012+/-0.028 χ^2/NDF: 94.1/84

- sign -0.002+/-0.038 χ^2/NDF: 49.2/42

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 118.105+/-0.034 χ^2/NDF: 1730918.0/16

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 104.617+/-0.031 χ^2/NDF: 2532019.9/19

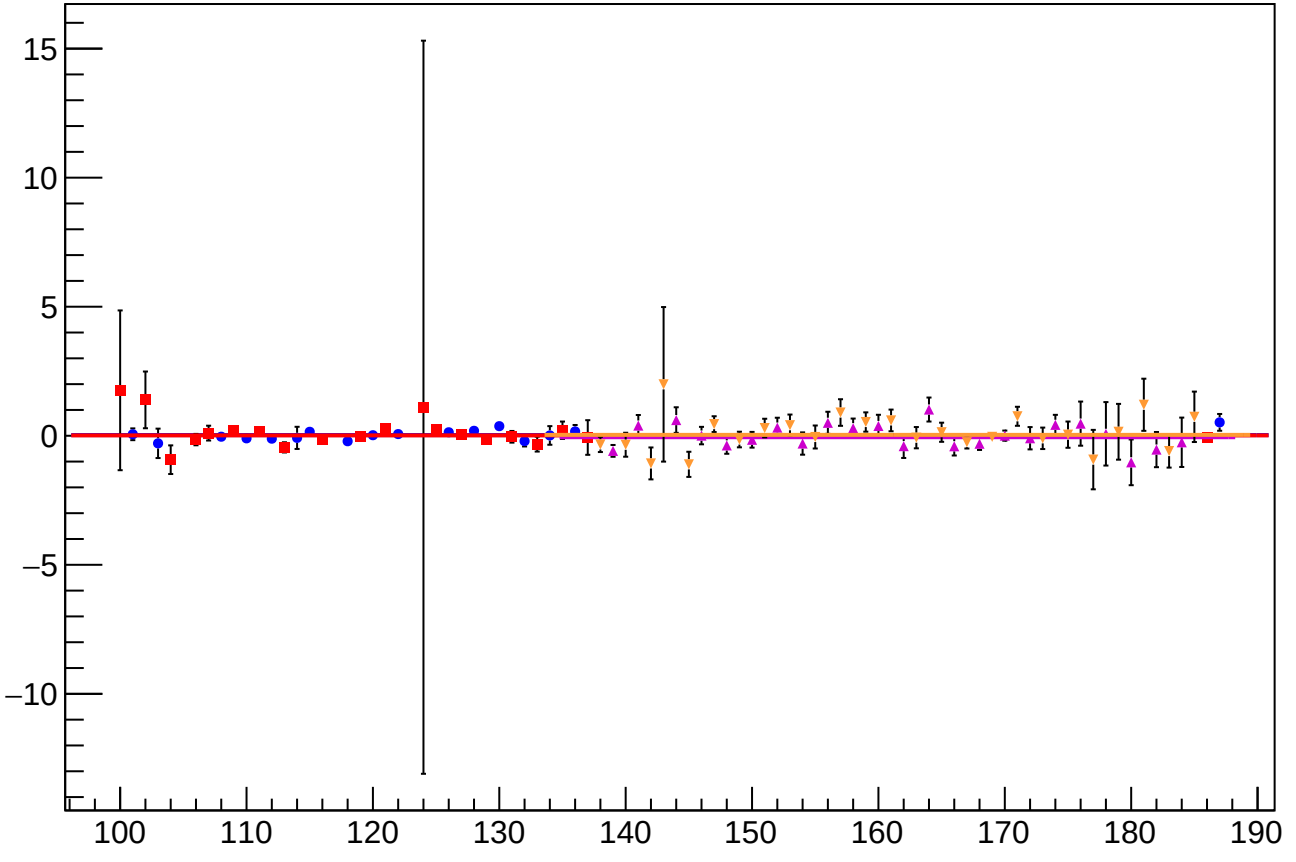
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 168.798+/-0.029 χ^2/NDF: 16848758.5/41

All: 159.768+/-0.020 χ^2/NDF: 34442425.2/84

- sign 151.928+/-0.027 χ^2/NDF: 17407800.5/42

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.015+/-0.043 χ^2/NDF: 22.5/19

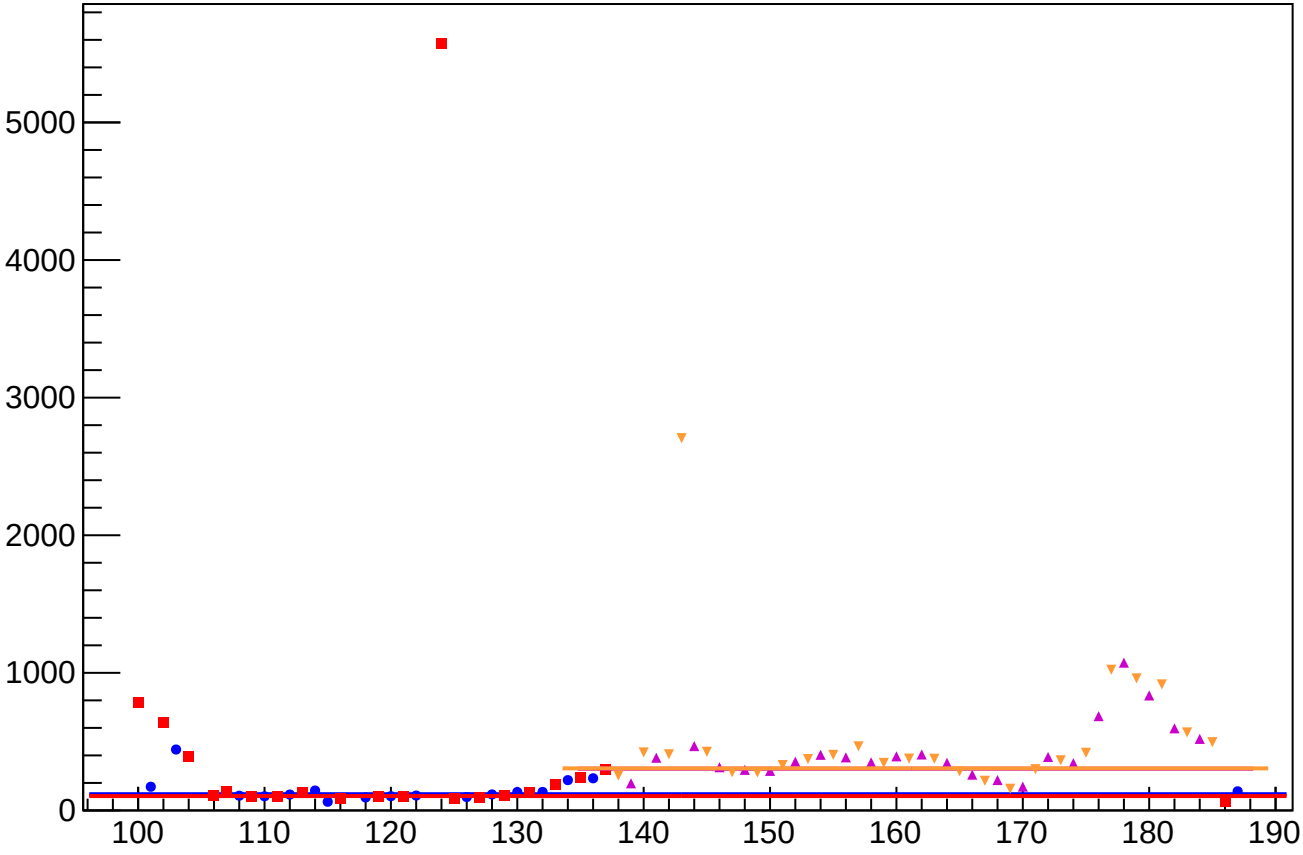
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.028+/-0.040 χ^2/NDF: 44.6/41

All: 0.012+/-0.028 χ^2/NDF: 94.1/84

- sign -0.002+/-0.038 χ^2/NDF: 49.2/42

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 118.105+/-0.034 χ^2/NDF: 1730918.0/16

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

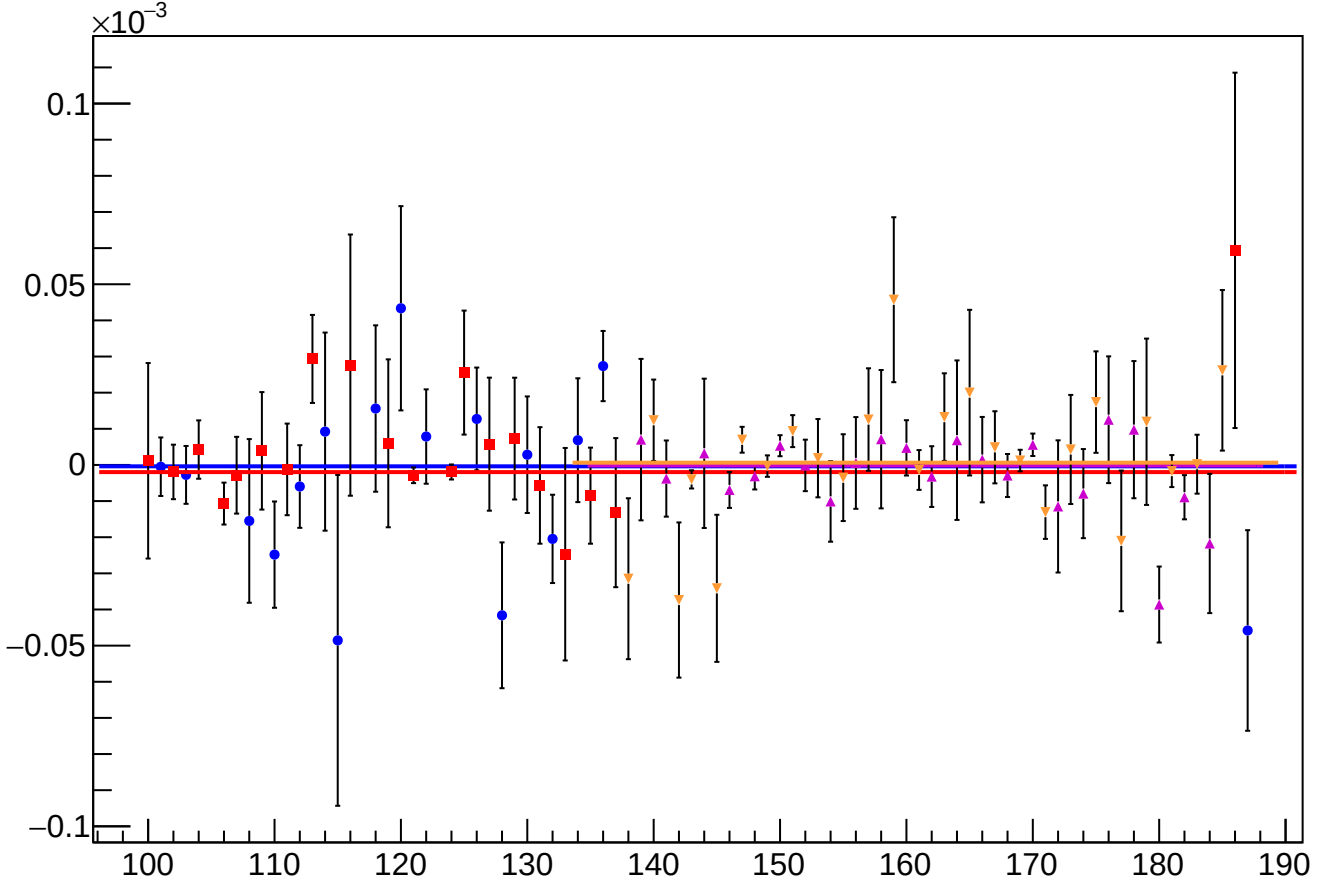
Right Out: 104.617+/-0.031 χ^2/NDF: 2532019.9/19

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 168.798+/-0.029 χ^2/NDF: 16848758.5/41

All: 159.768+/-0.020 χ^2/NDF: 34442425.2/84

- sign 151.928+/-0.027 χ^2/NDF: 17407800.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

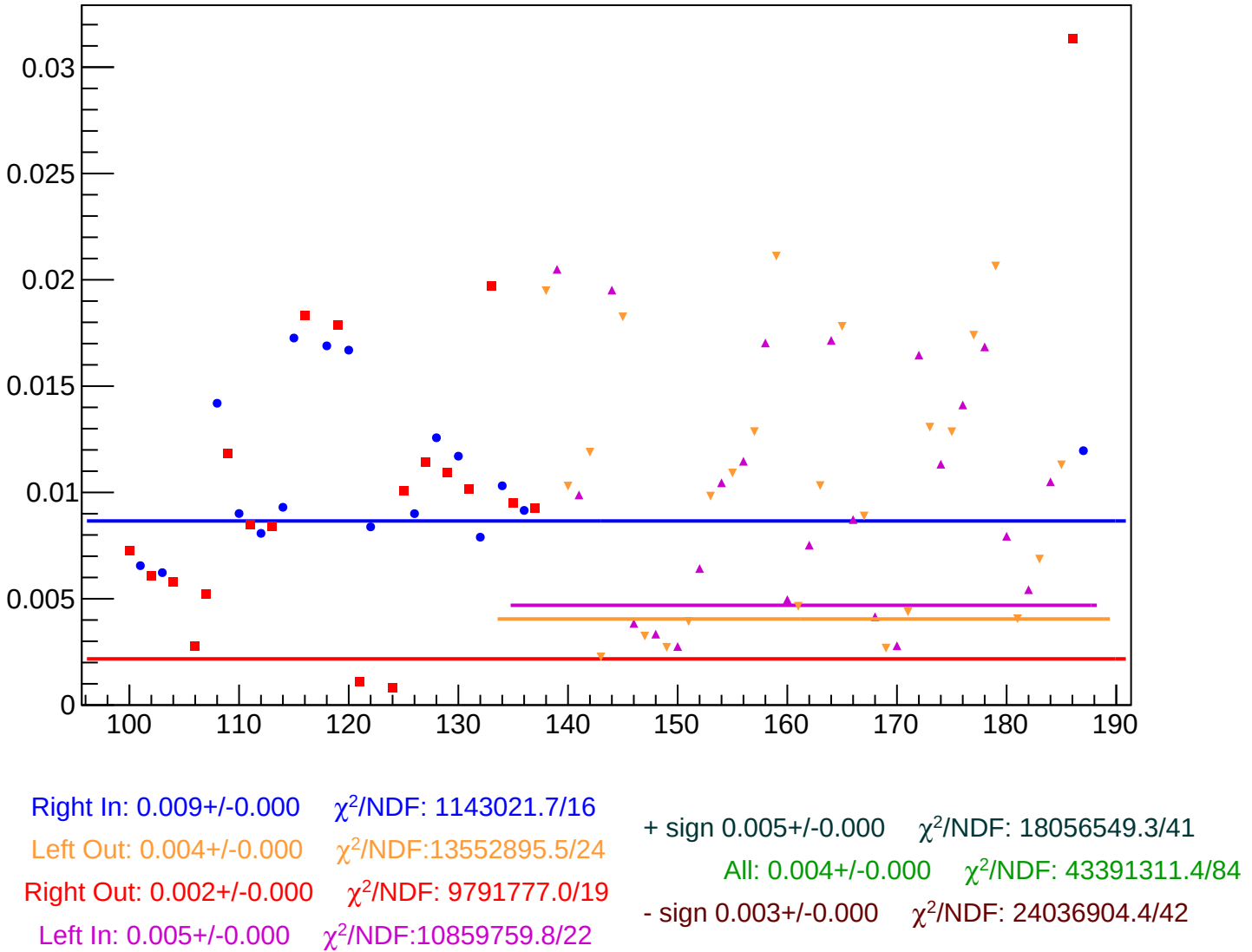
Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/19

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

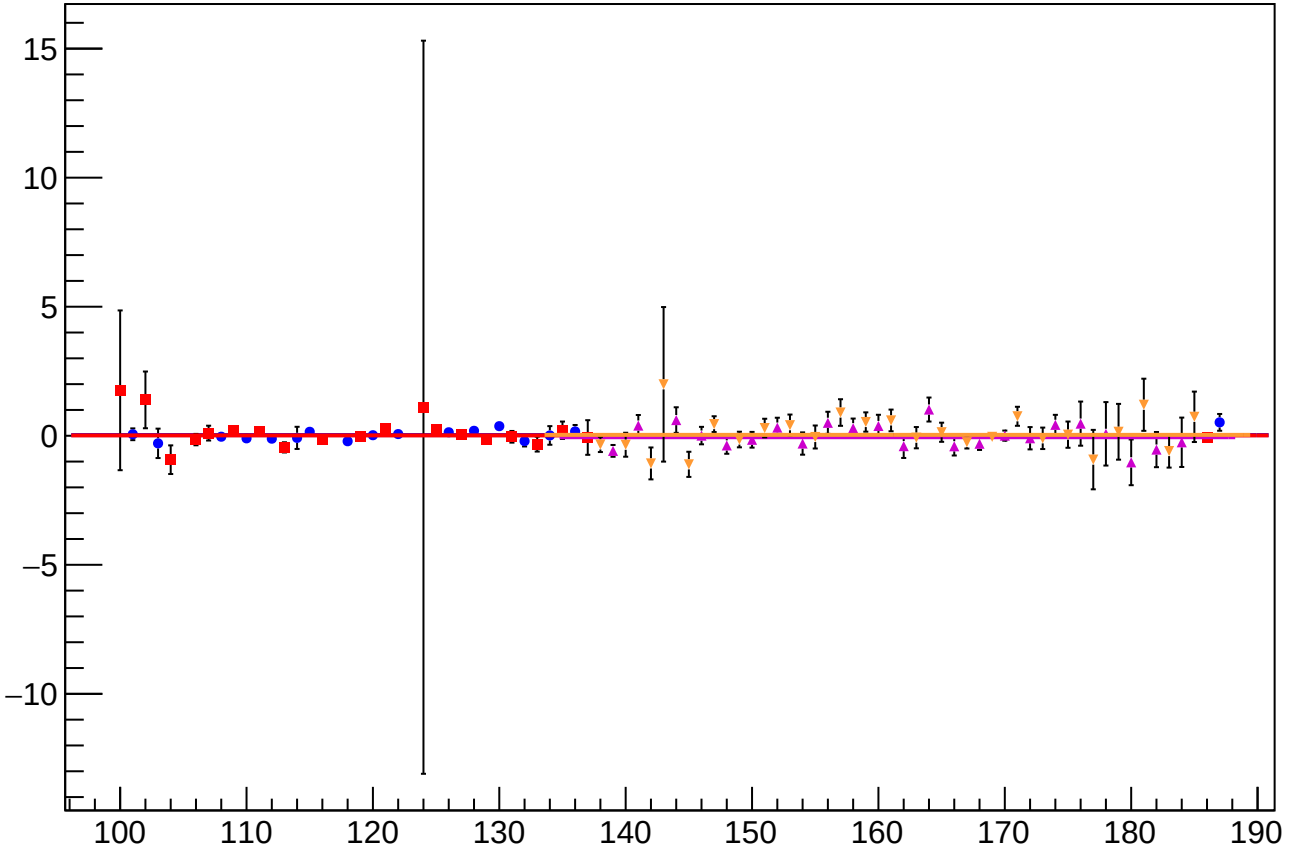
+ sign 0.000+/-0.000 χ^2/NDF: 61.5/41

All: -0.000+/-0.000 χ^2/NDF: 109.8/84

- sign -0.000+/-0.000 χ^2/NDF: 47.1/42


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.009+/-0.000 χ²/NDF: 1143021.7/16
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.002+/-0.000 χ²/NDF: 9791777.0/19
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.005+/-0.000 χ²/NDF: 18056549.3/41
All: 0.004+/-0.000 χ²/NDF: 43391311.4/84
- sign 0.003+/-0.000 χ²/NDF: 24036904.4/42

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

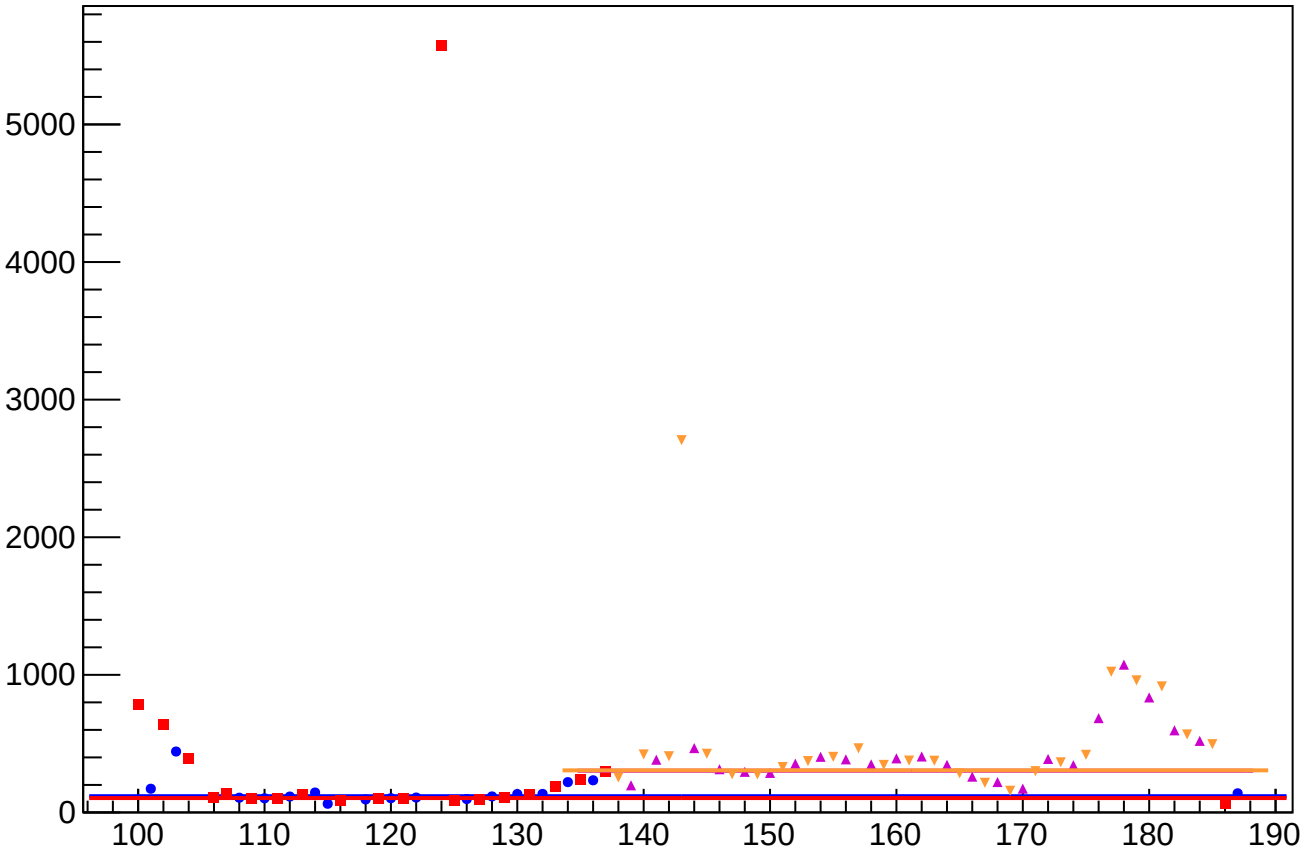
Right Out: 0.015+/-0.043 χ^2/NDF: 22.5/19

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.028+/-0.040 χ^2/NDF: 44.6/41

All: 0.012+/-0.028 χ^2/NDF: 94.1/84

- sign -0.002+/-0.038 χ^2/NDF: 49.2/42



Right In: 118.105+/-0.034 χ^2/NDF: 1730884.0/16

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

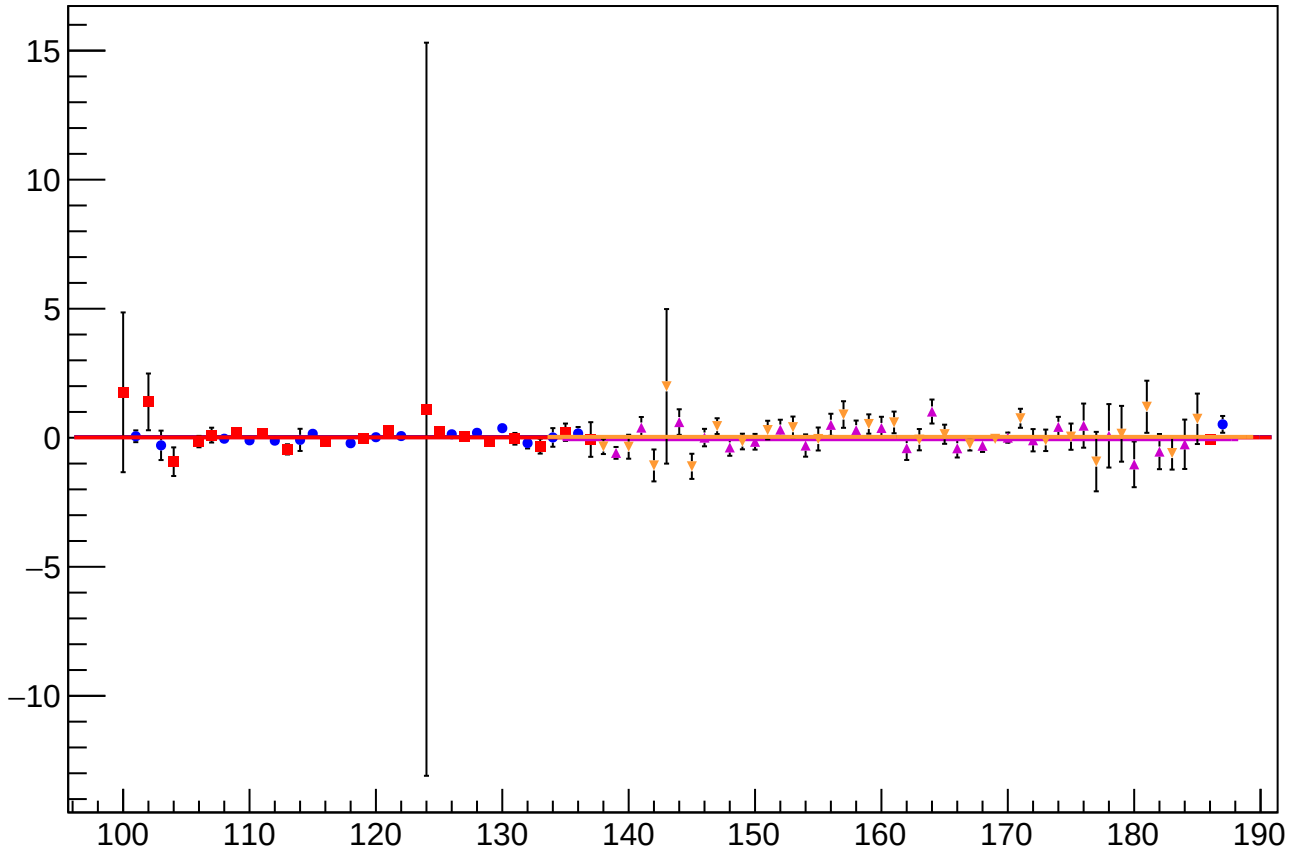
Right Out: 104.620+/-0.031 χ^2/NDF: 2531841.9/19

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 168.798+/-0.029 χ^2/NDF: 16848869.0/41

All: 159.770+/-0.020 χ^2/NDF: 34442052.8/84

- sign 151.931+/-0.027 χ^2/NDF: 17407392.9/42



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

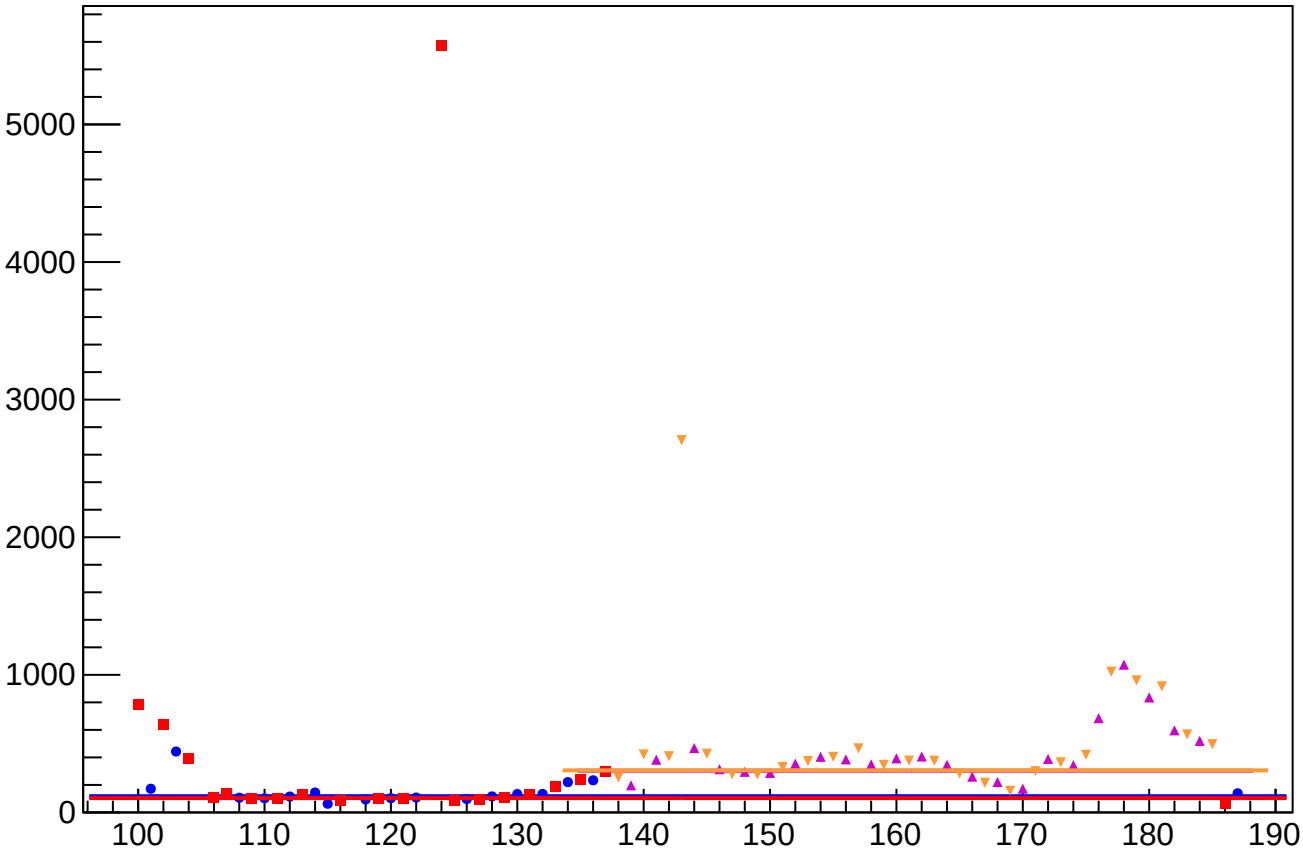
Right Out: 0.015+/-0.043 χ^2/NDF: 22.5/19

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.028+/-0.040 χ^2/NDF: 44.6/41

All: 0.012+/-0.028 χ^2/NDF: 94.1/84

- sign -0.002+/-0.038 χ^2/NDF: 49.2/42



Right In: 118.105+/-0.034 χ^2/NDF: 1730884.0/16

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

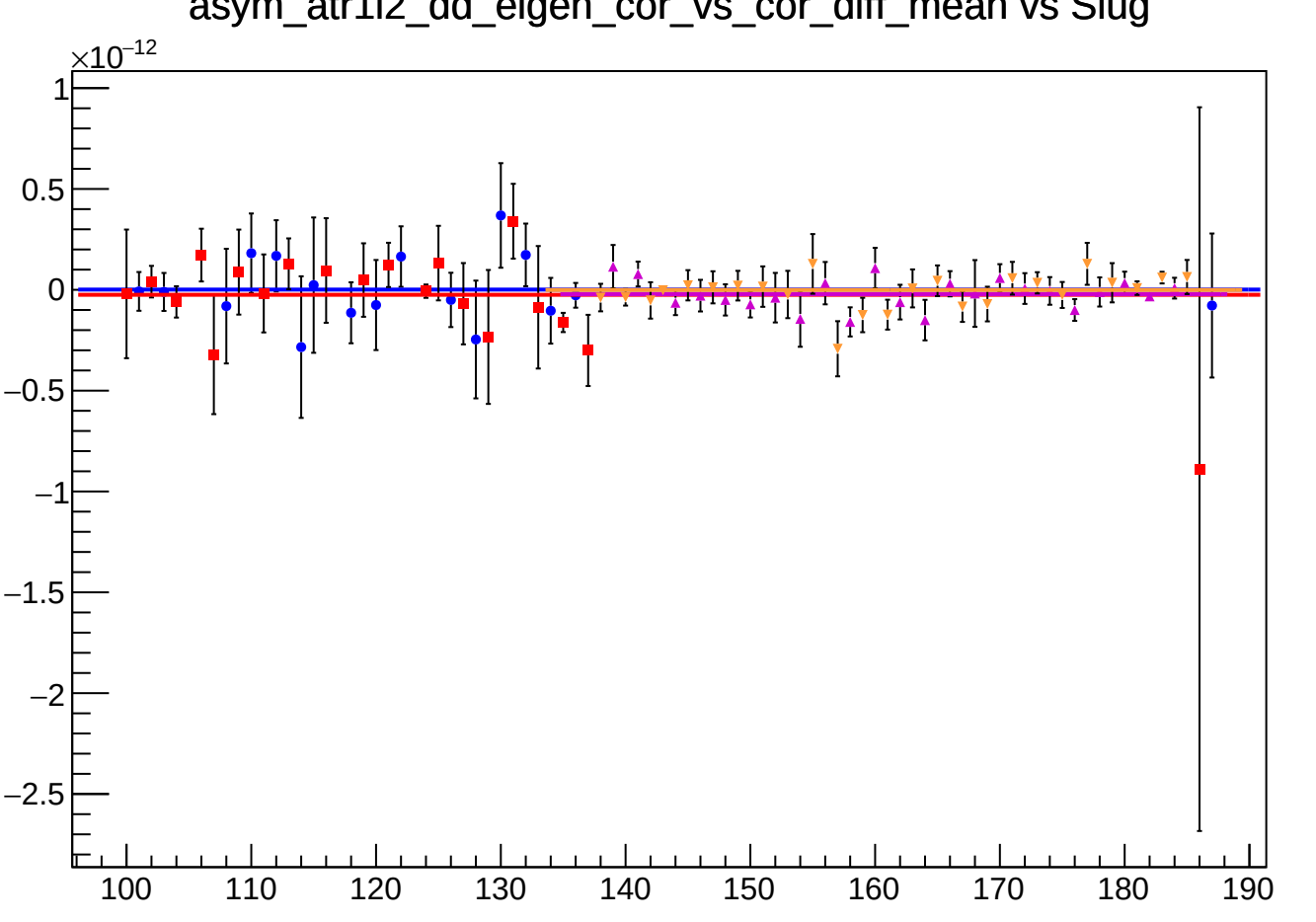
Right Out: 104.620+/-0.031 χ^2/NDF: 2531841.9/19

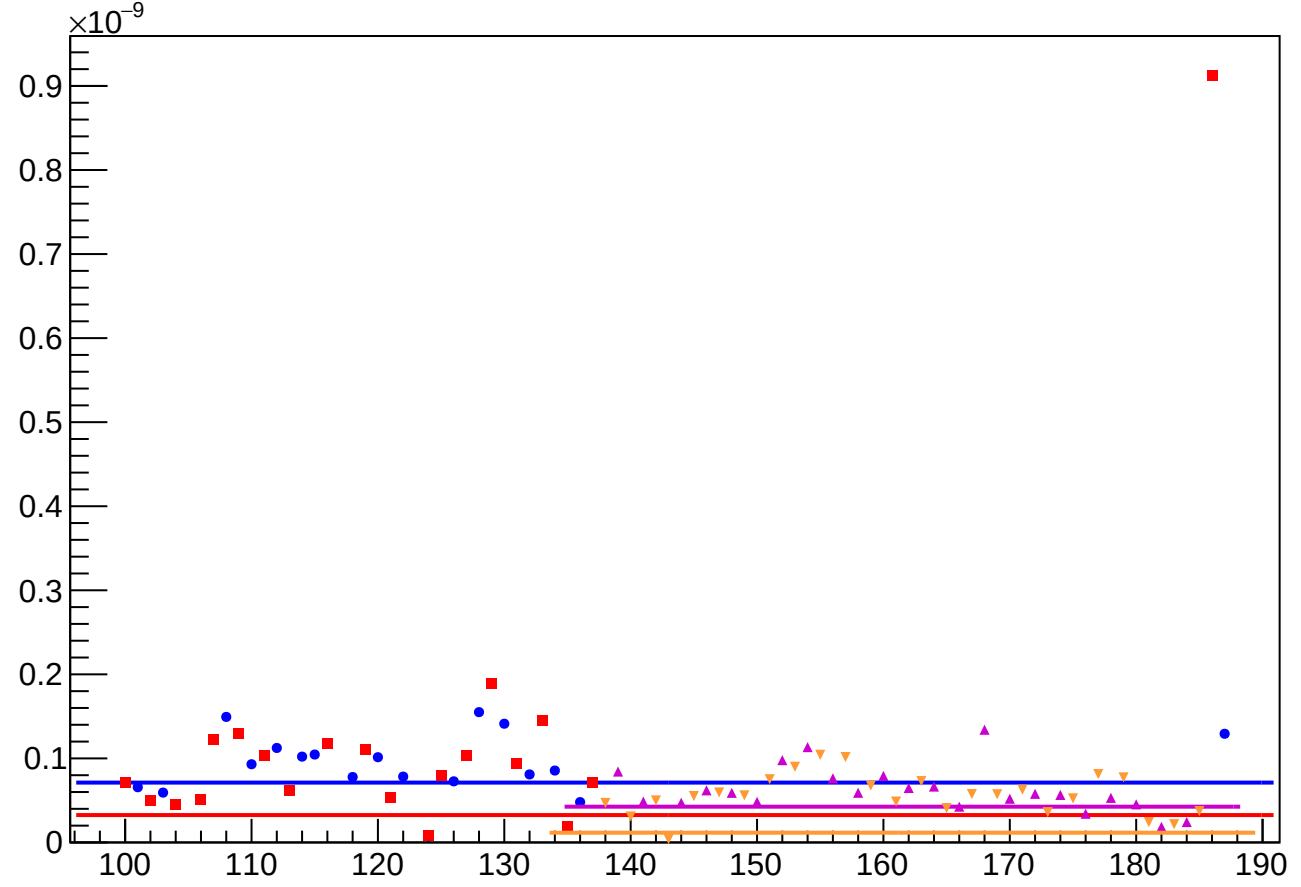
Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 168.798+/-0.029 χ^2/NDF: 16848869.0/41

All: 159.770+/-0.020 χ^2/NDF: 34442052.8/84

- sign 151.931+/-0.027 χ^2/NDF: 17407392.9/42


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 9.2/16
Left Out: -0.000+/-0.000 χ²/NDF:22.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.5/19
Left In: -0.000+/-0.000 χ²/NDF:19.5/22
+ sign -0.000+/-0.000 χ²/NDF: 31.2/41
All: -0.000+/-0.000 χ²/NDF: 78.2/84
- sign -0.000+/-0.000 χ²/NDF: 44.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1077123.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4930408.1/19

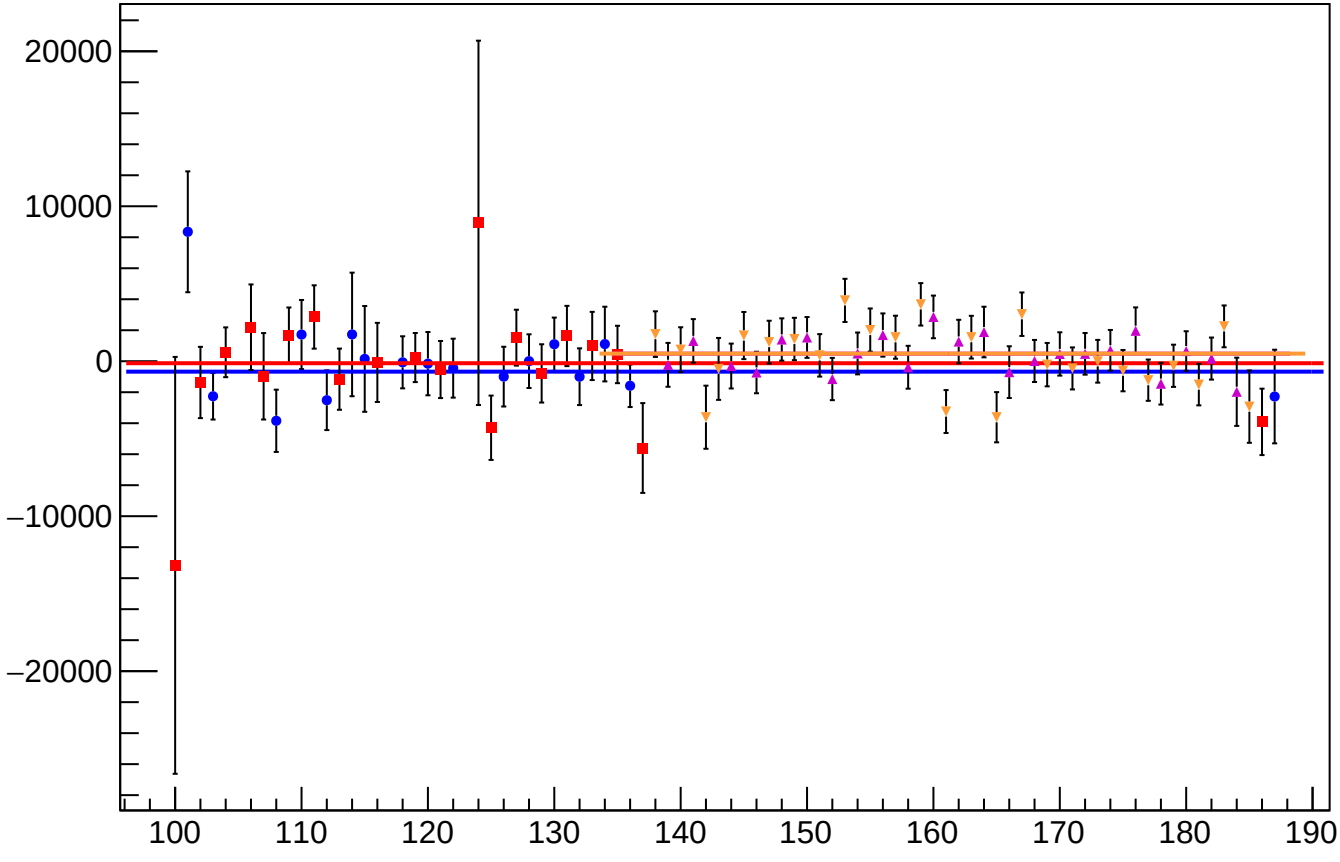
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 24811666.3/41

All: 0.000+/-0.000 χ^2/NDF: 44186833.0/84

- sign 0.000+/-0.000 χ^2/NDF: 10659791.2/42

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -128.473+/-475.595 χ^2/NDF: 19.1/19

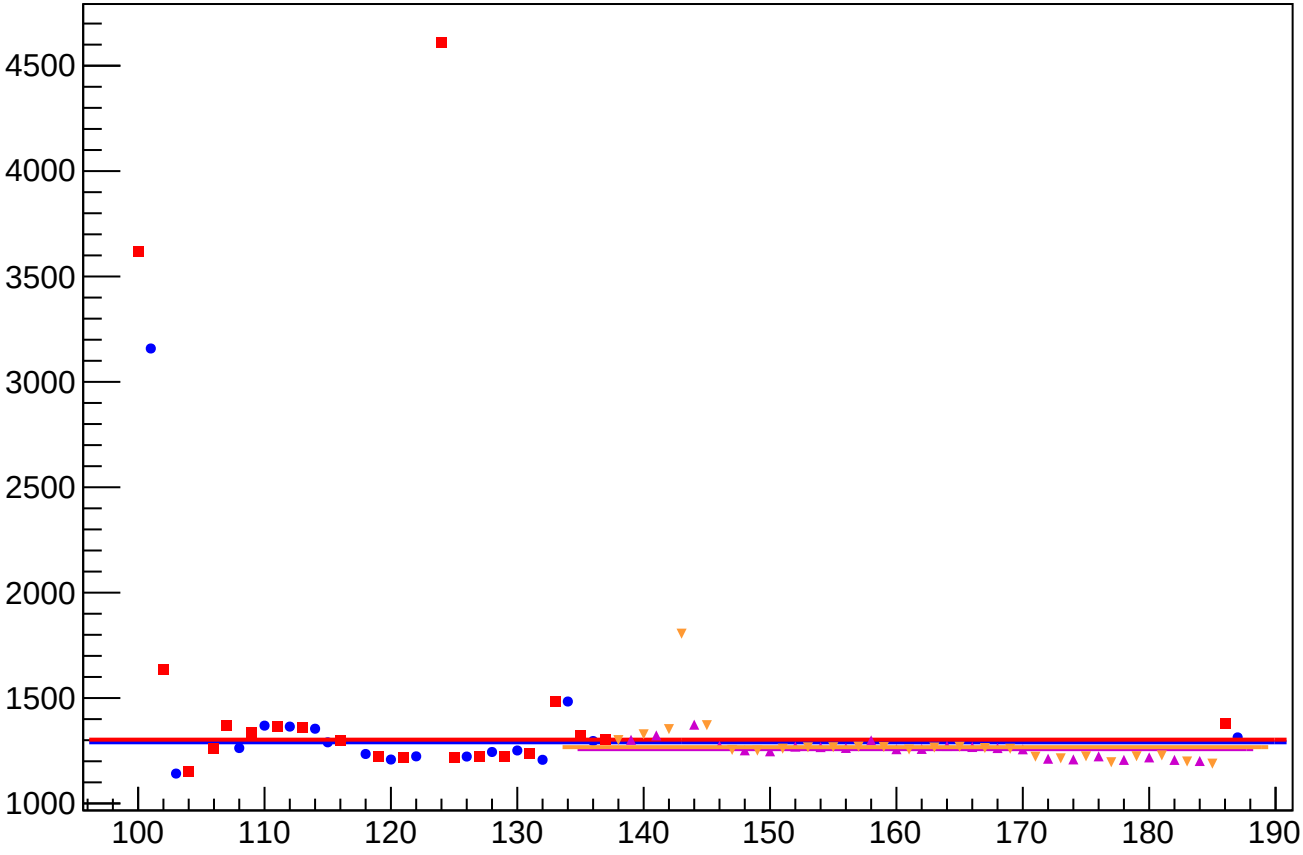
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 185.134+/-247.596 χ^2/NDF: 65.4/41

All: 250.396+/-175.897 χ^2/NDF: 100.3/84

- sign 316.896+/-249.933 χ^2/NDF: 34.8/42

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

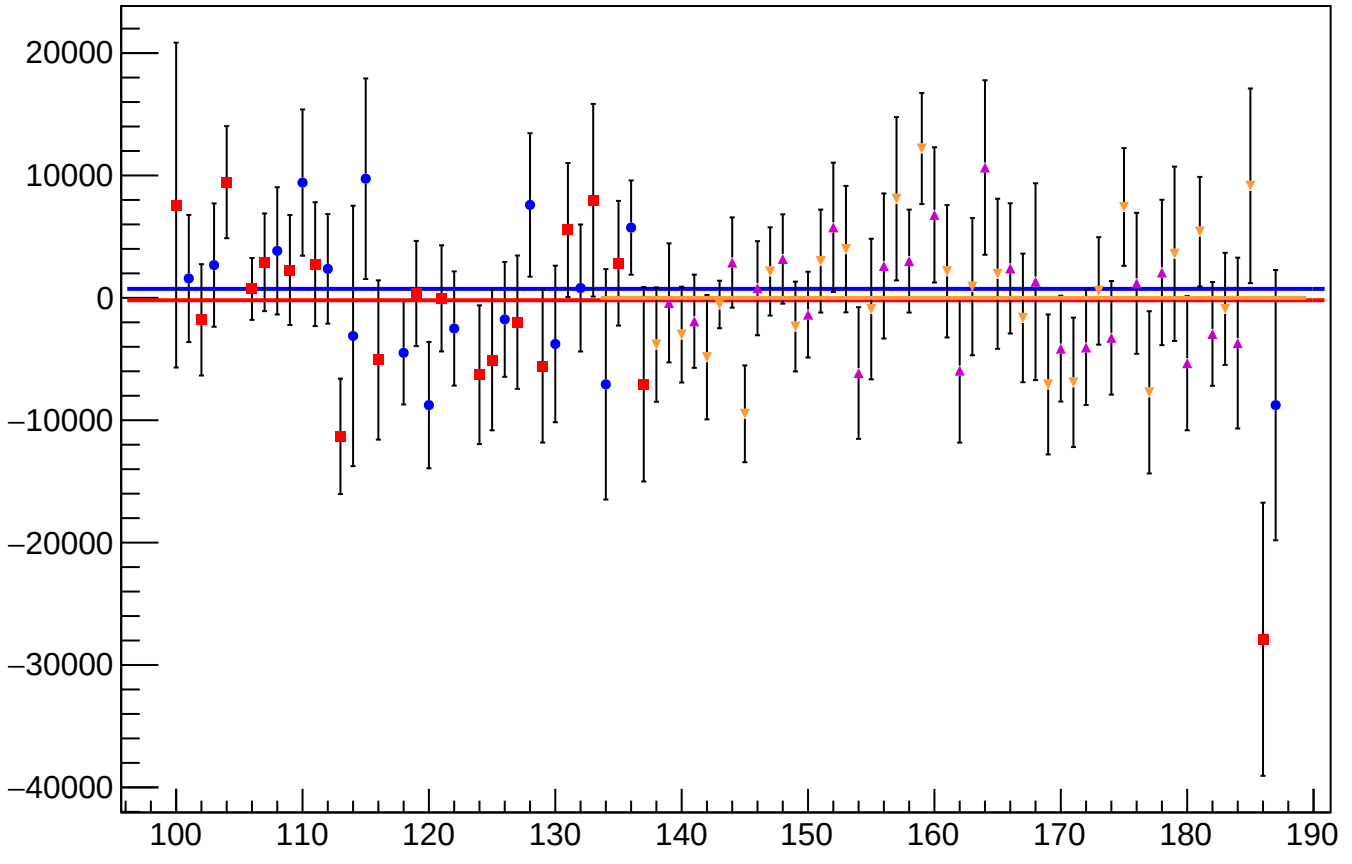
Right Out: 1302.569+/-0.335 χ^2/NDF: 322015.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705720.4/41

All: 1271.555+/-0.124 χ^2/NDF: 1077717.1/84

- sign 1270.029+/-0.177 χ^2/NDF: 371848.7/42



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

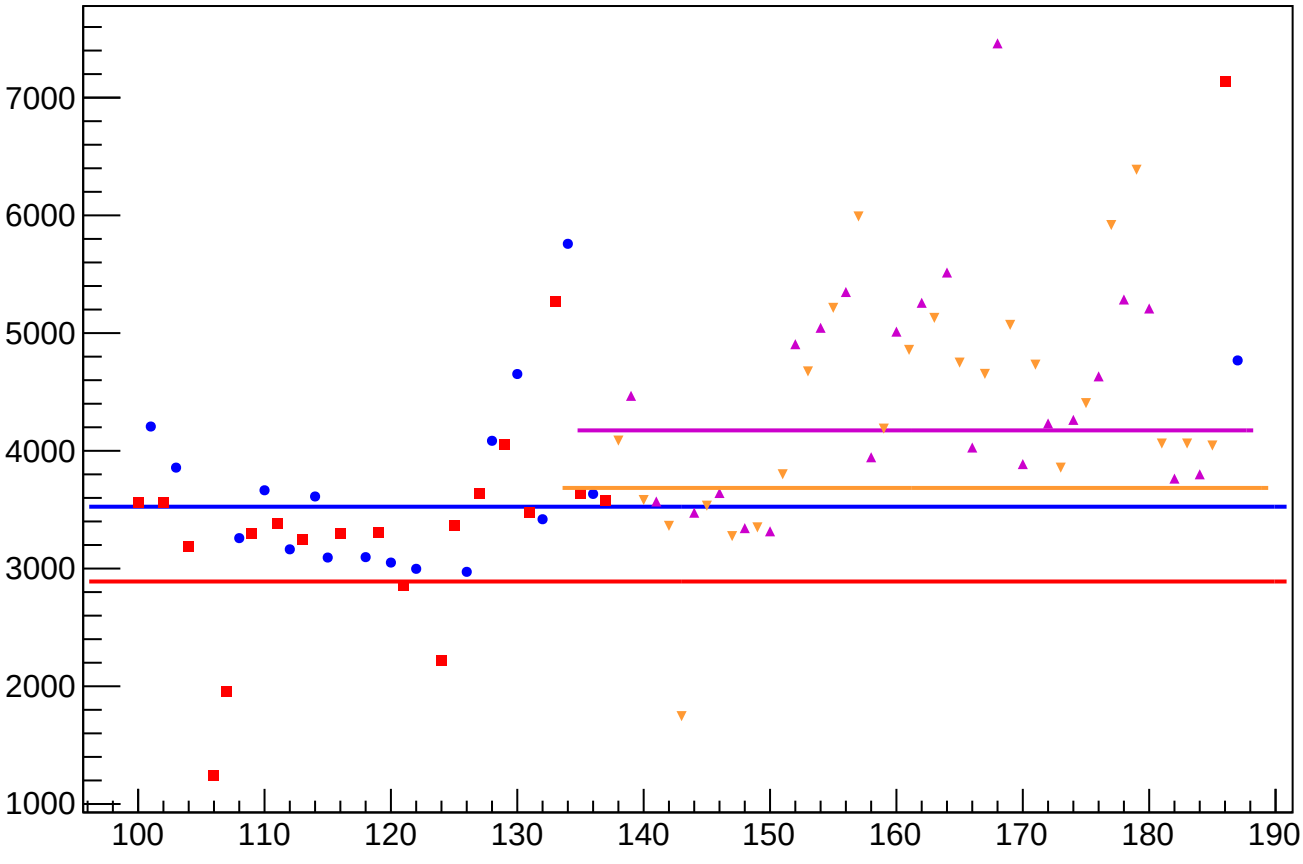
Right Out: -197.309+/-1105.607 χ^2/NDF: 24.6/19

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 228.545+/-735.204 χ^2/NDF: 44.0/41

All: 62.411+/-521.463 χ^2/NDF: 82.8/84

- sign -105.778+/-739.736 χ^2/NDF: 38.7/42



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2889.961+/-0.782 χ^2/NDF: 1792253.1/19

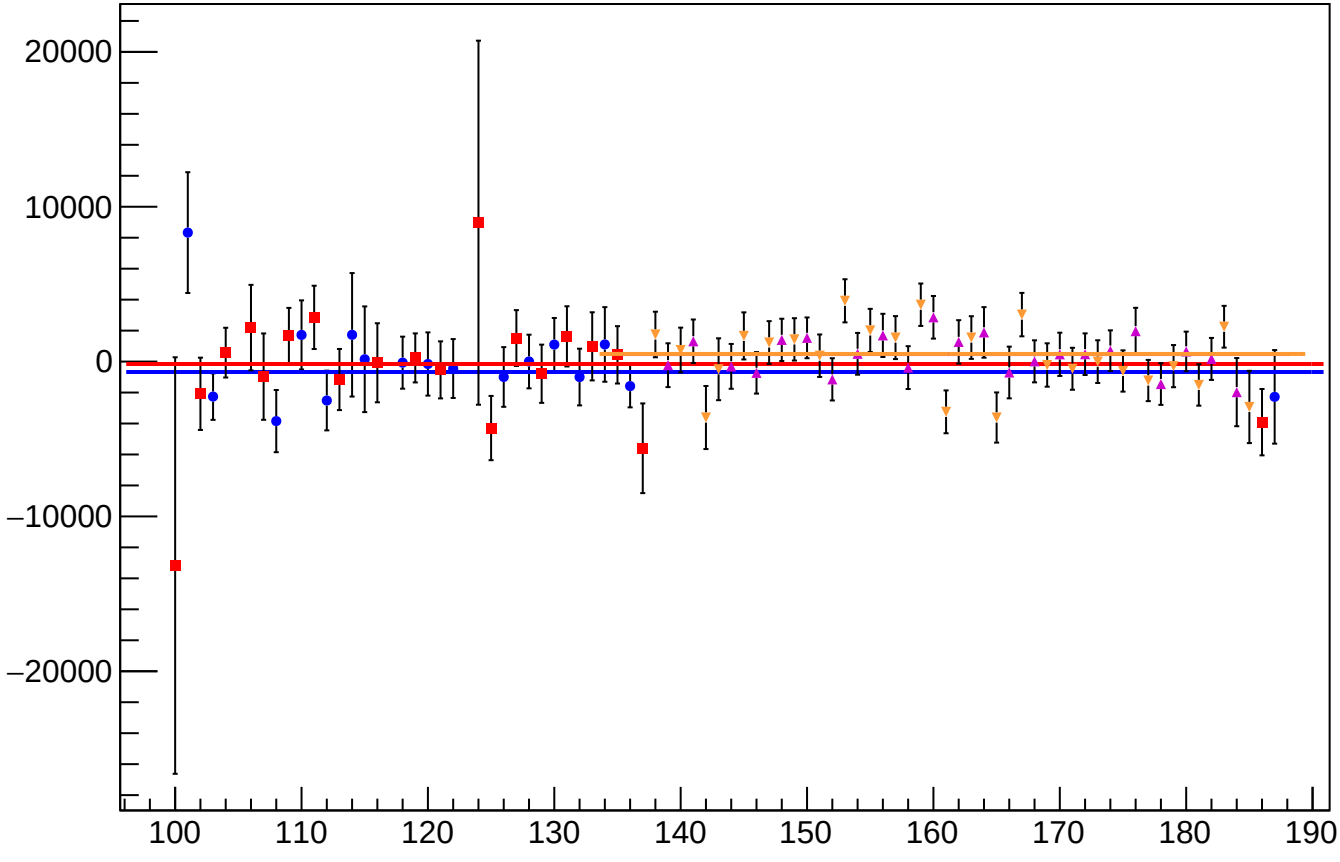
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3634.985+/-0.520 χ^2/NDF: 4093528.4/41

All: 3617.072+/-0.369 χ^2/NDF: 8652116.4/84

- sign 3598.937+/-0.523 χ^2/NDF: 4556198.7/42

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

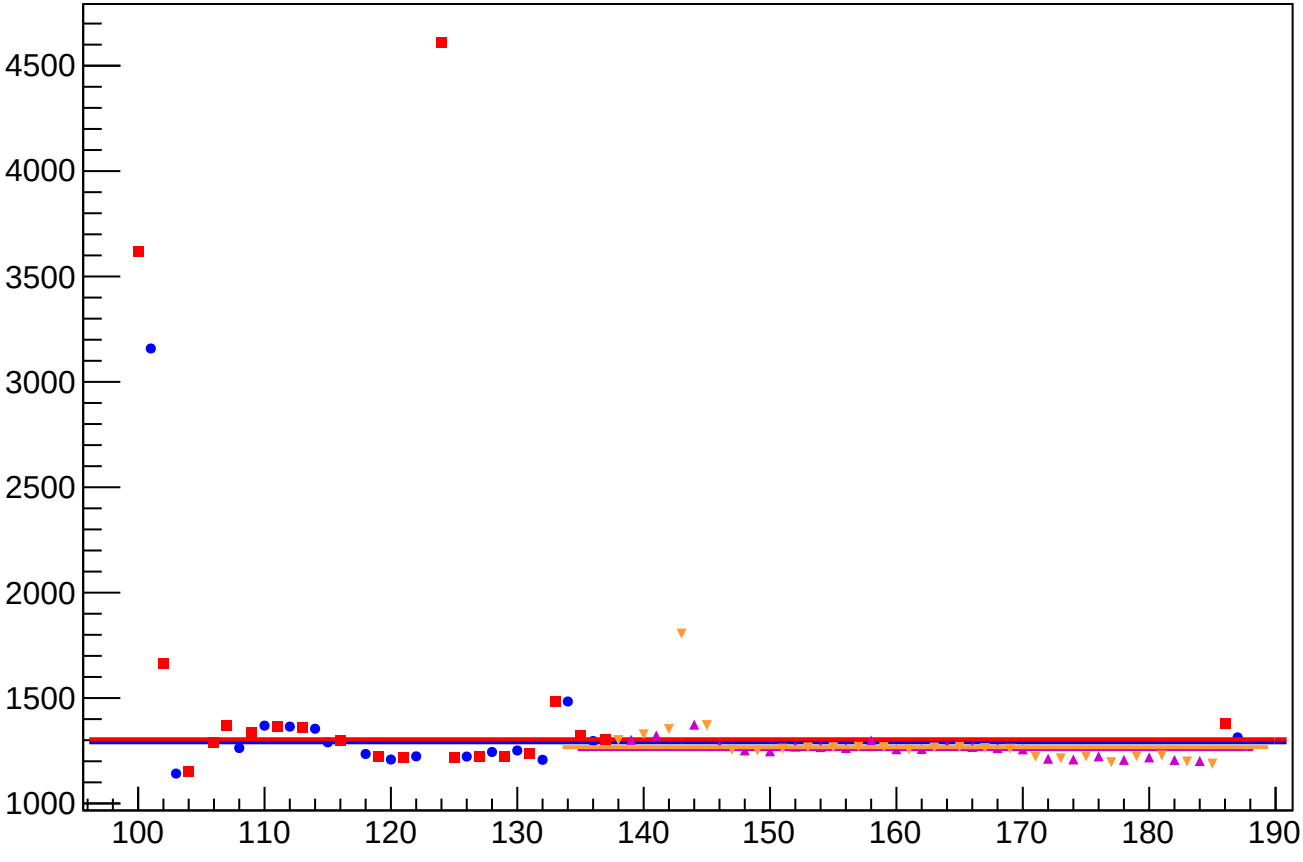
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 246.579+/-175.912 χ^2/NDF: 100.8/84

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

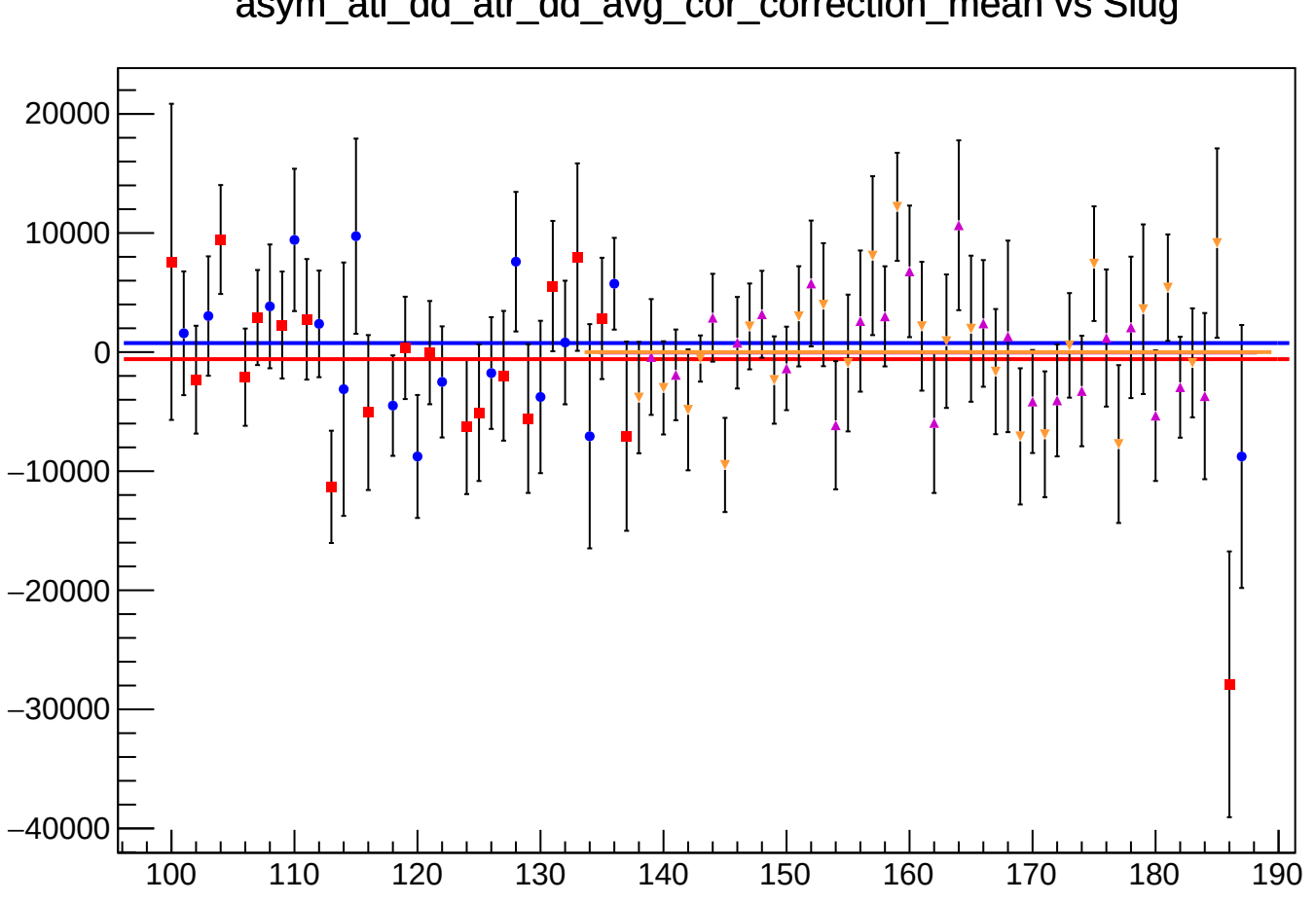
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

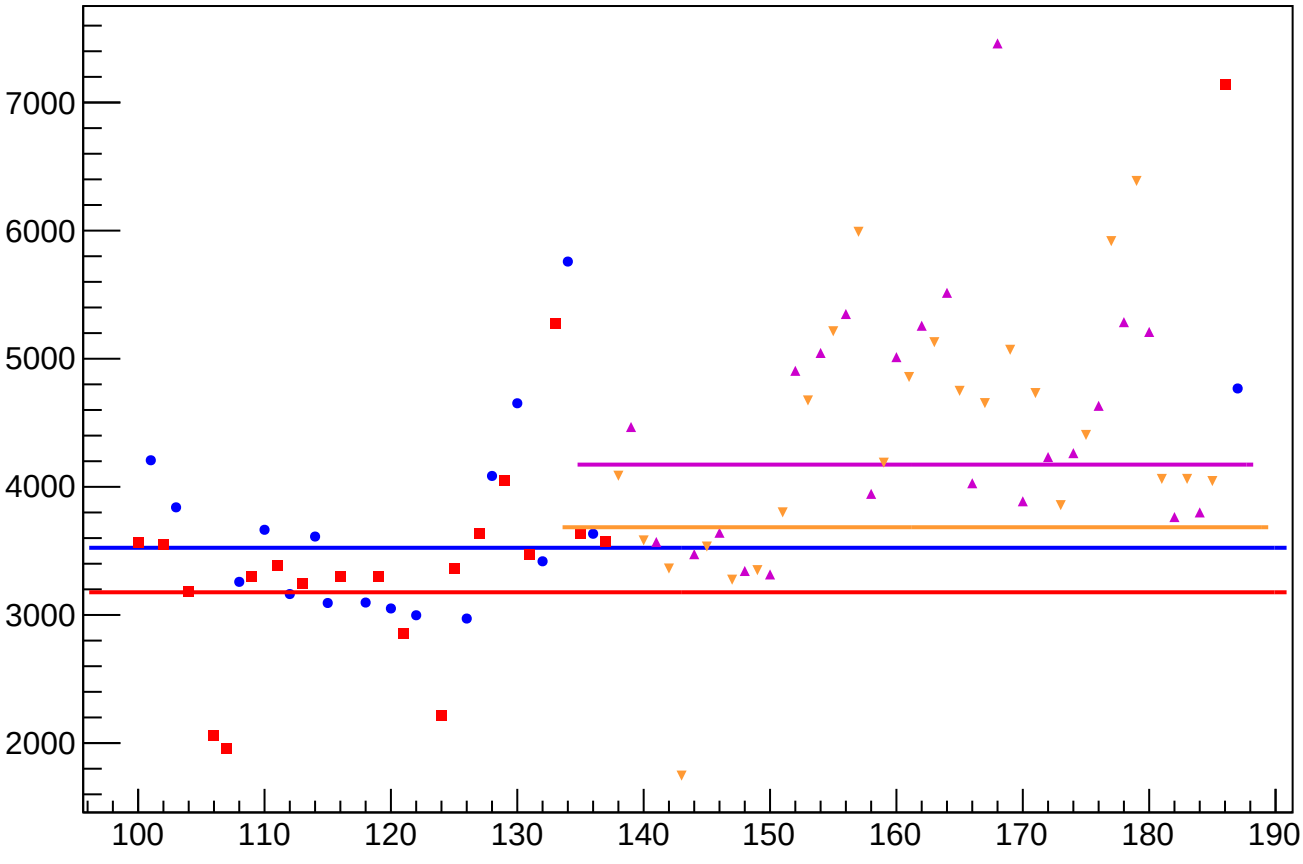
Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -5.831+/-528.355 χ^2/NDF: 83.2/84

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

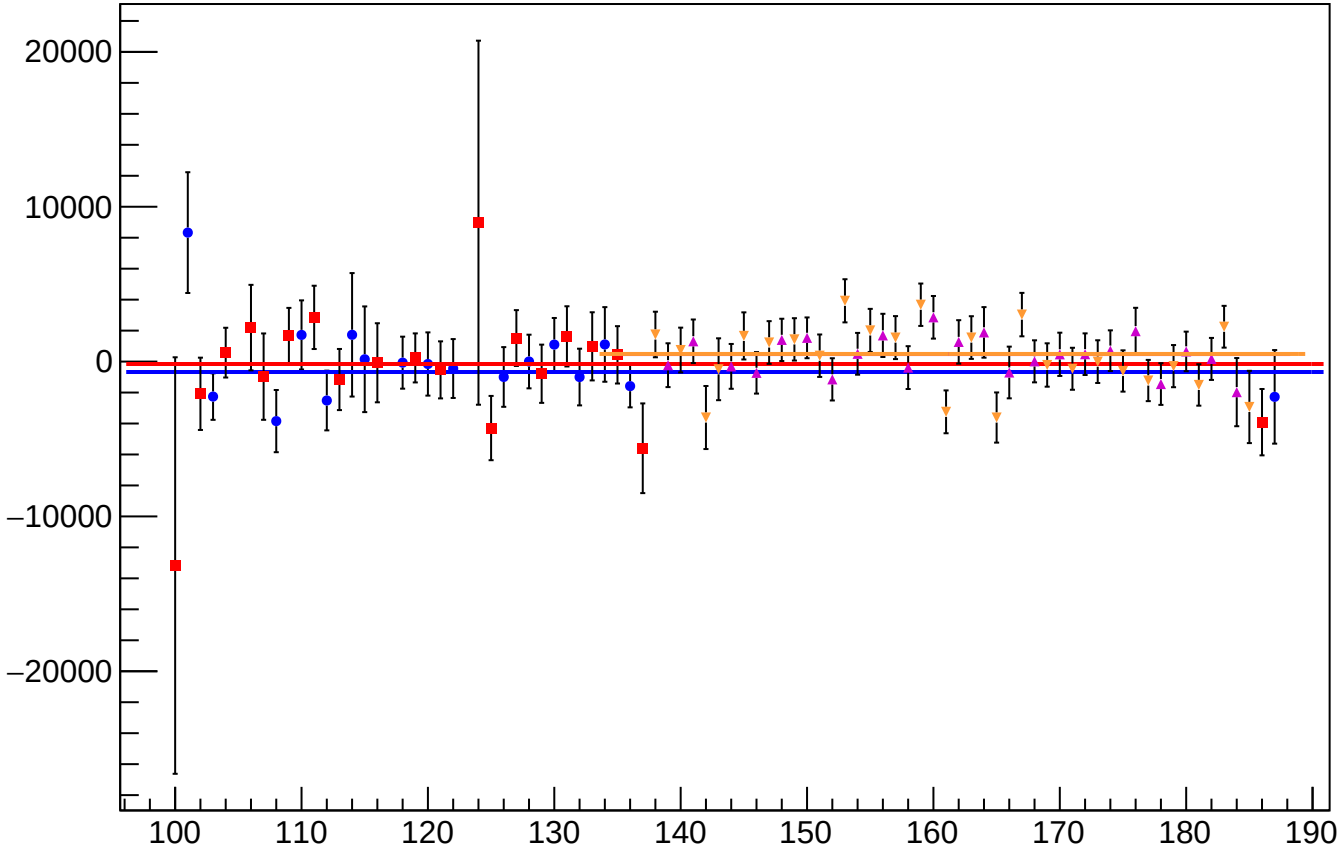
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3694.249+/-0.374 χ^2/NDF: 7135888.0/84

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

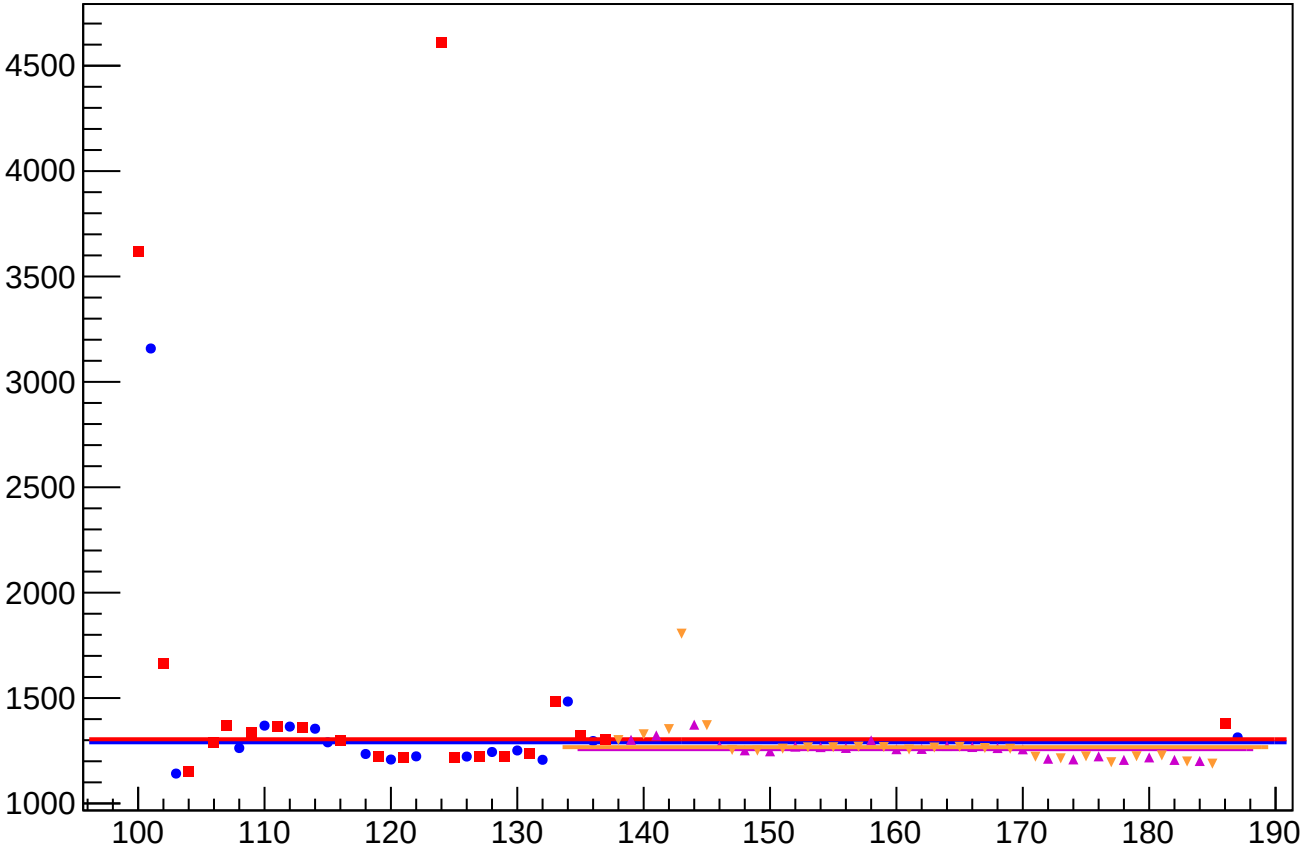
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 246.579+/-175.912 χ^2/NDF: 100.8/84

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

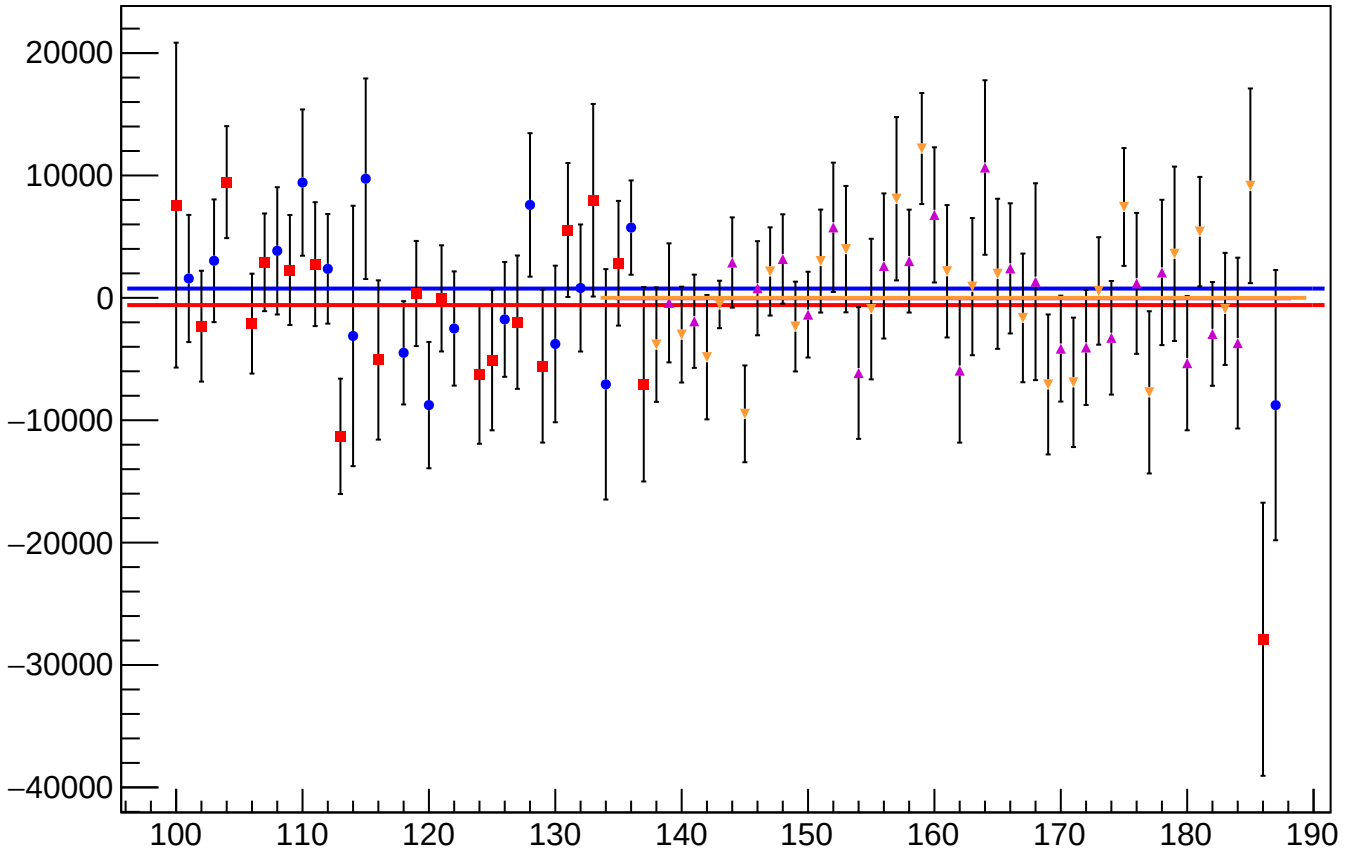
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

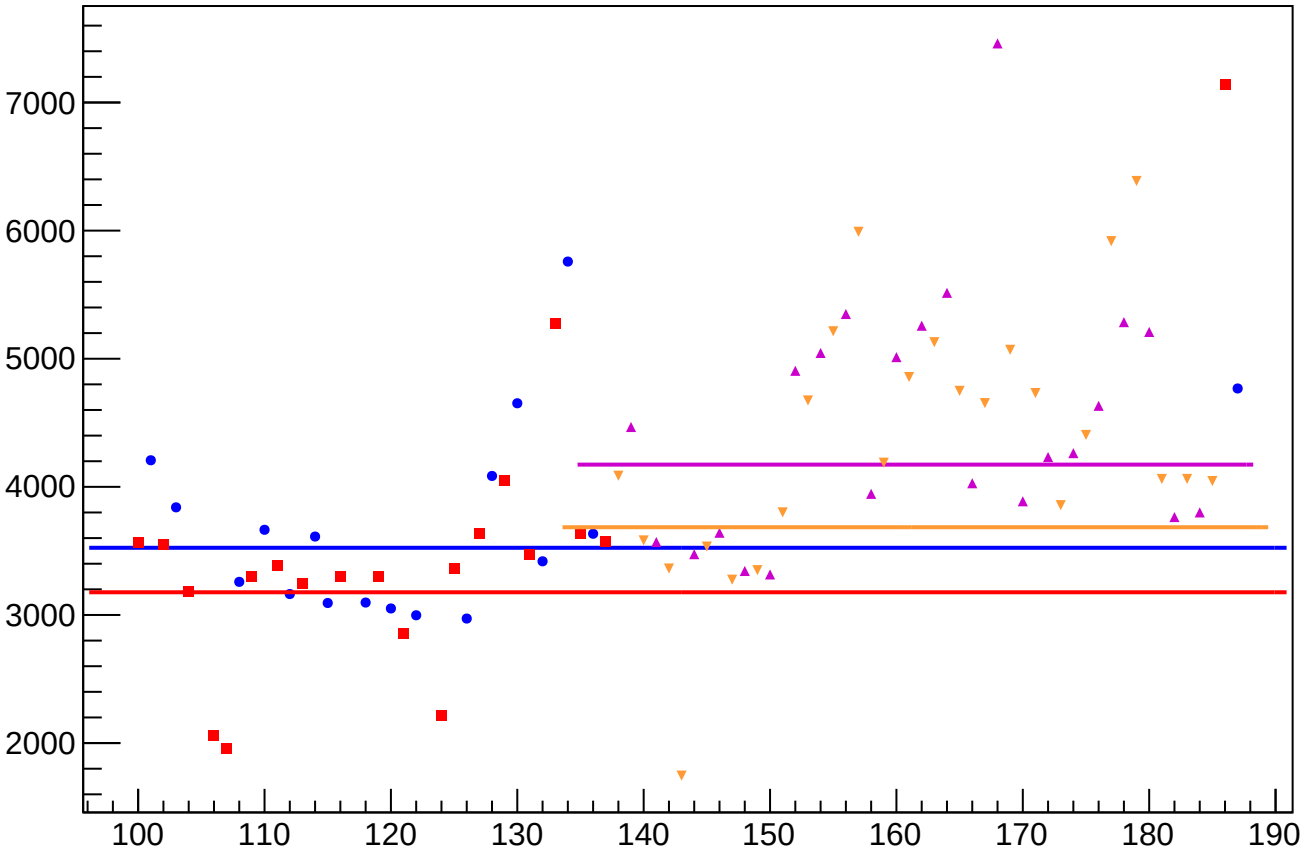
Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -5.831+/-528.355 χ^2/NDF: 83.2/84

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

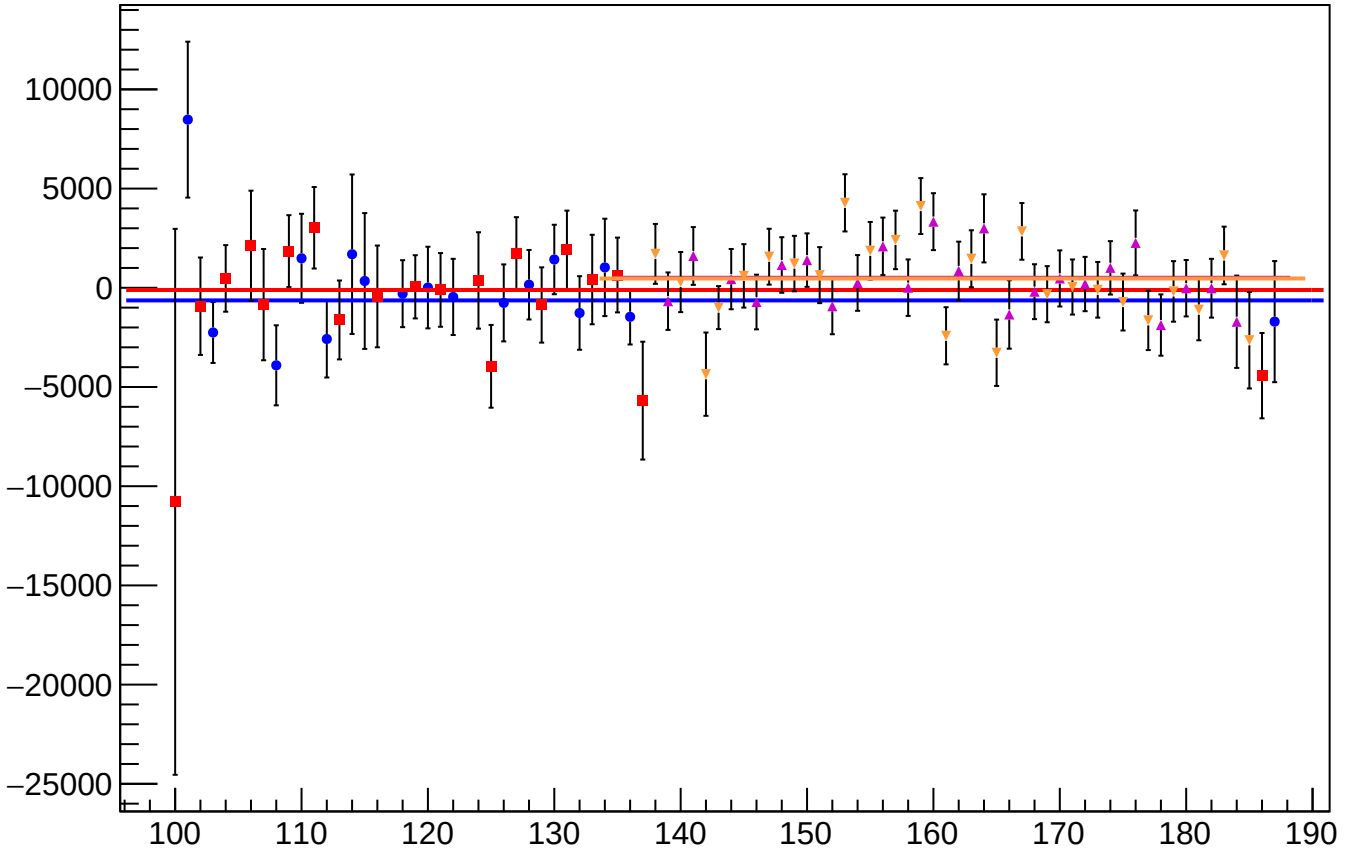
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3694.249+/-0.374 χ^2/NDF: 7135888.0/84

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.422+/-473.633 χ^2/NDF: 19.1/19

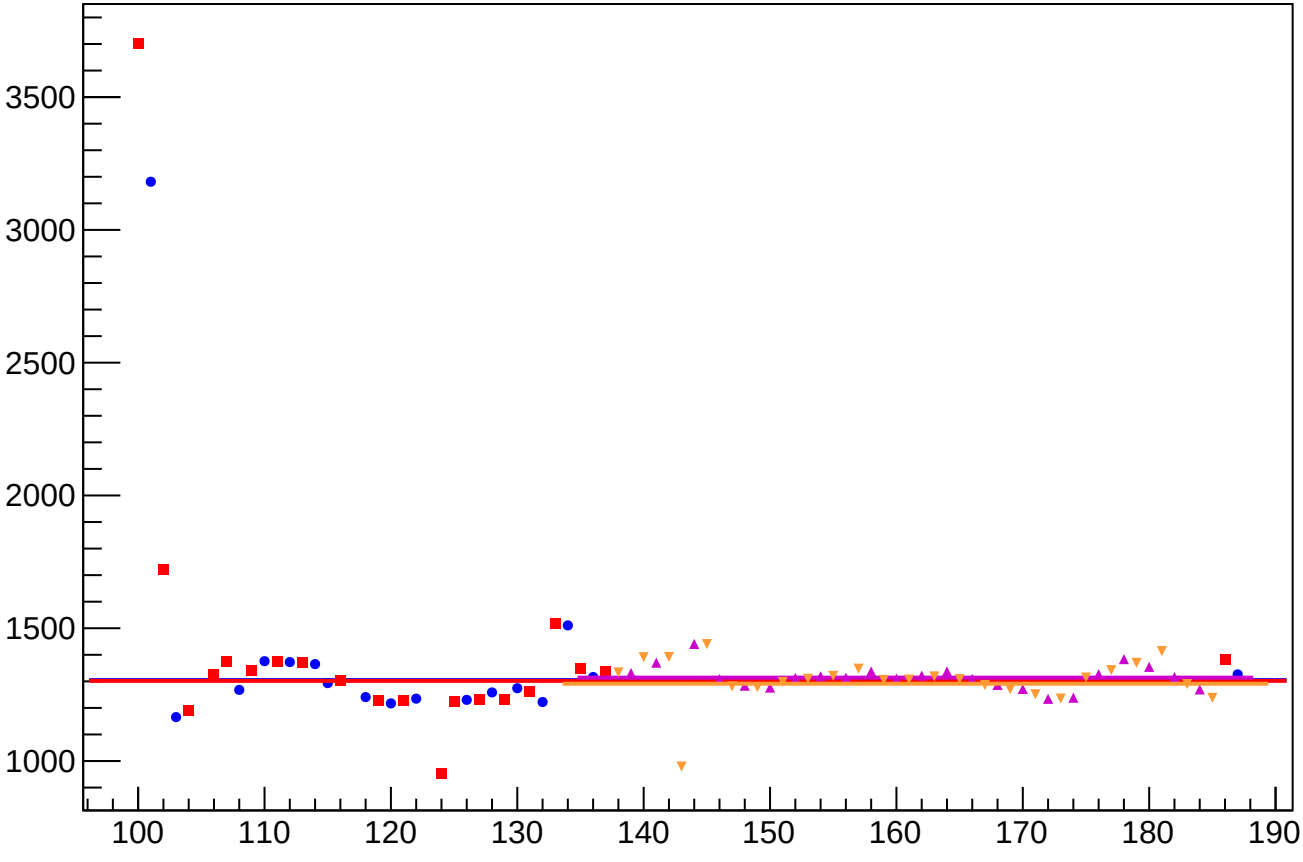
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 173.449+/-251.967 χ^2/NDF: 62.1/41

All: 245.860+/-180.143 χ^2/NDF: 100.0/84

\- sign 321.574+/-257.649 χ^2/NDF: 37.7/42

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

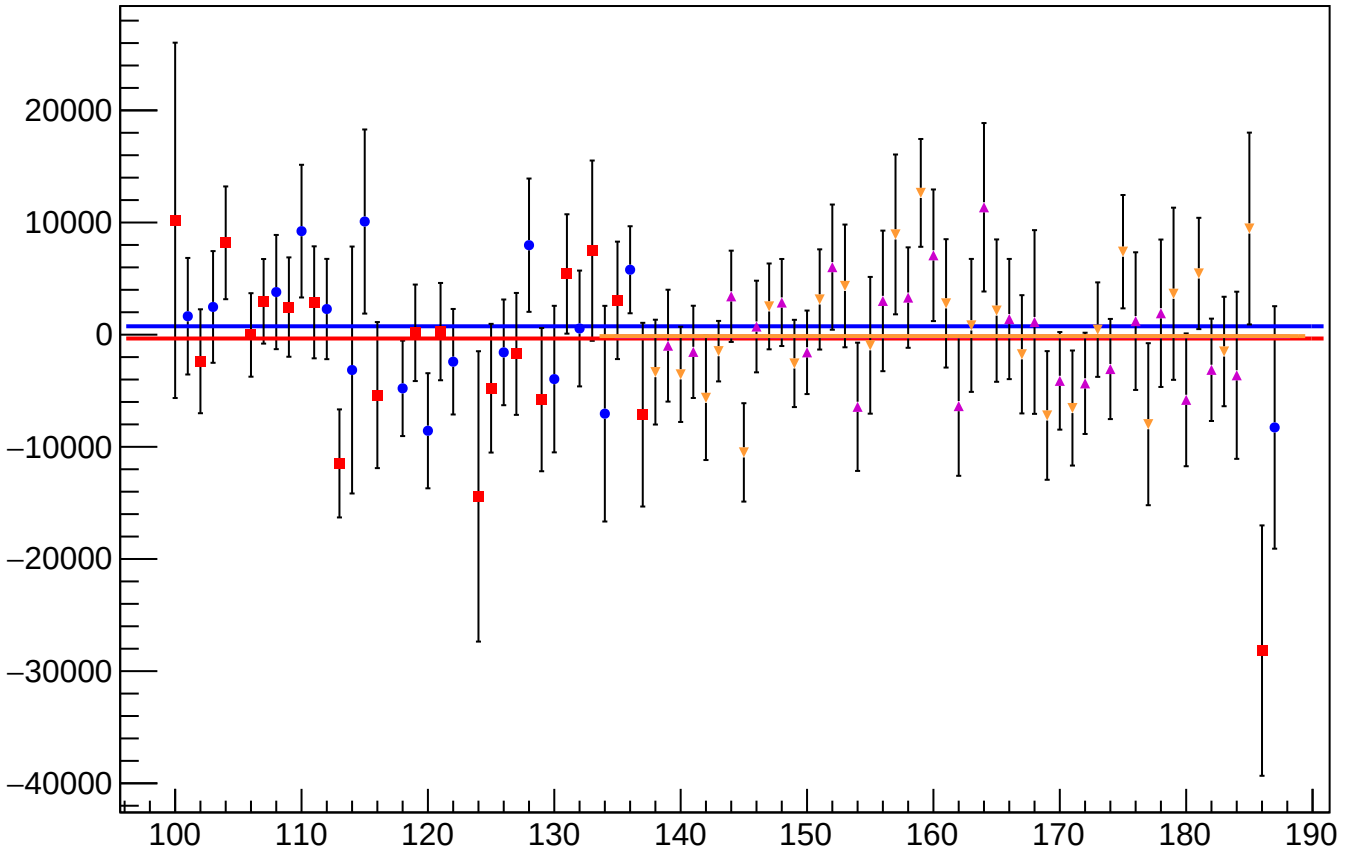
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.2/19

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.801+/-0.178 χ^2/NDF: 742543.2/41

All: 1302.445+/-0.127 χ^2/NDF: 1006392.1/84

- sign 1310.435+/-0.182 χ^2/NDF: 260084.0/42



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

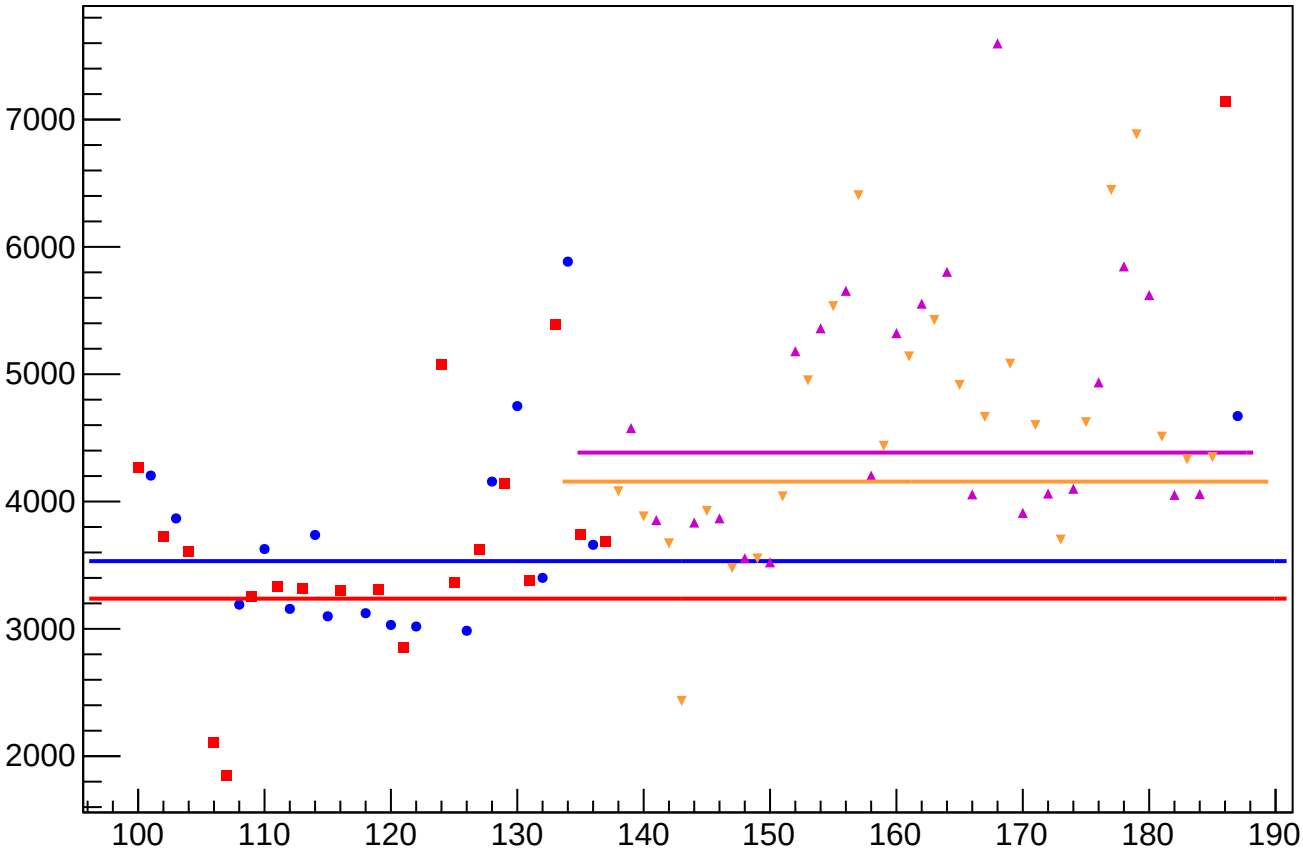
Right Out: -342.260+/-1193.140 χ^2/NDF: 23.1/19

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 183.400+/-784.890 χ^2/NDF: 43.7/41

All: -27.339+/-555.510 χ^2/NDF: 80.7/84

- sign -238.853+/-786.332 χ^2/NDF: 36.9/42



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

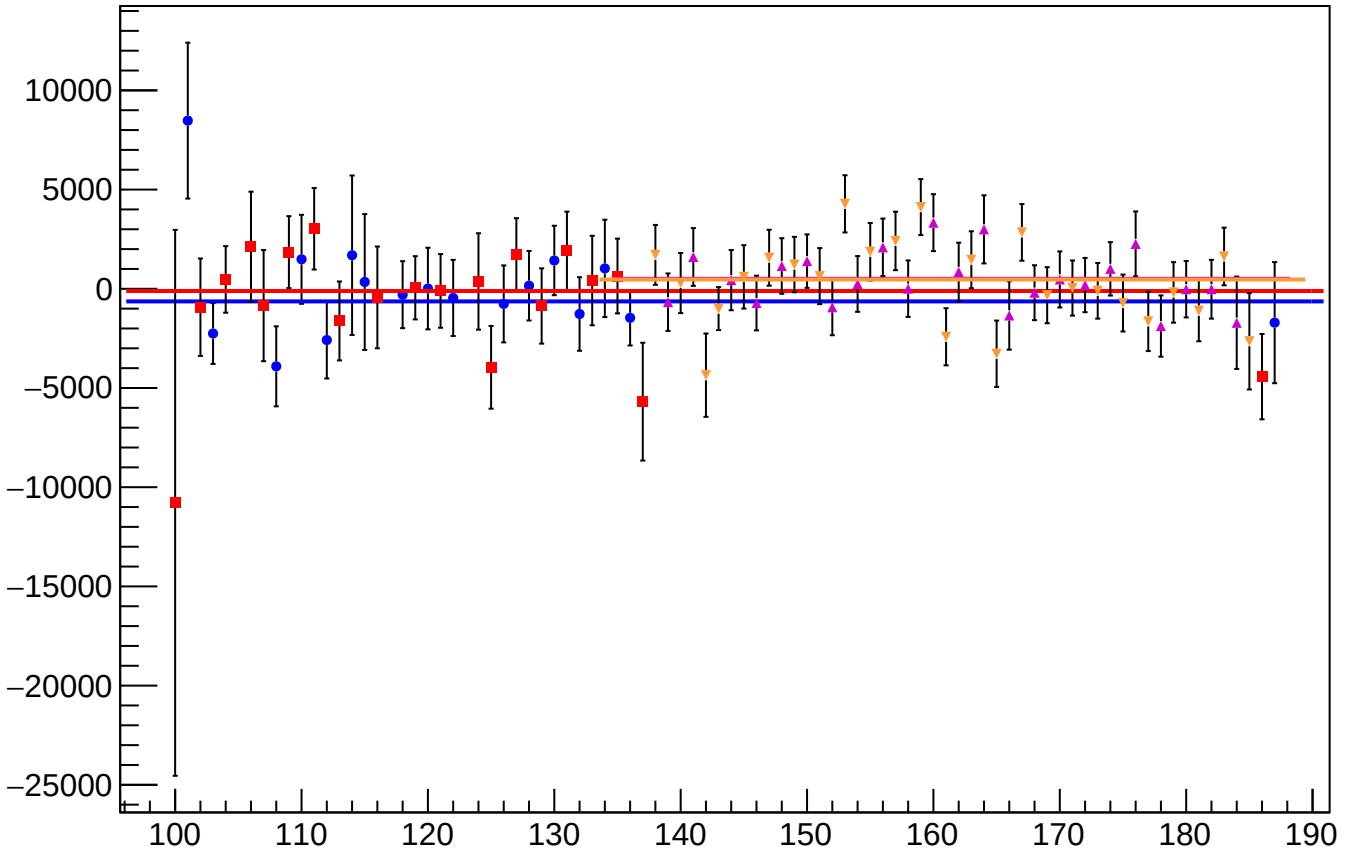
Right Out: 3237.299+/-0.844 χ^2/NDF: 1019707.5/19

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768417.6/41

All: 3910.550+/-0.393 χ^2/NDF: 6093006.5/84

- sign 3886.125+/-0.556 χ^2/NDF: 3320736.4/42



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.413+/-473.633 χ^2/NDF: 19.1/19

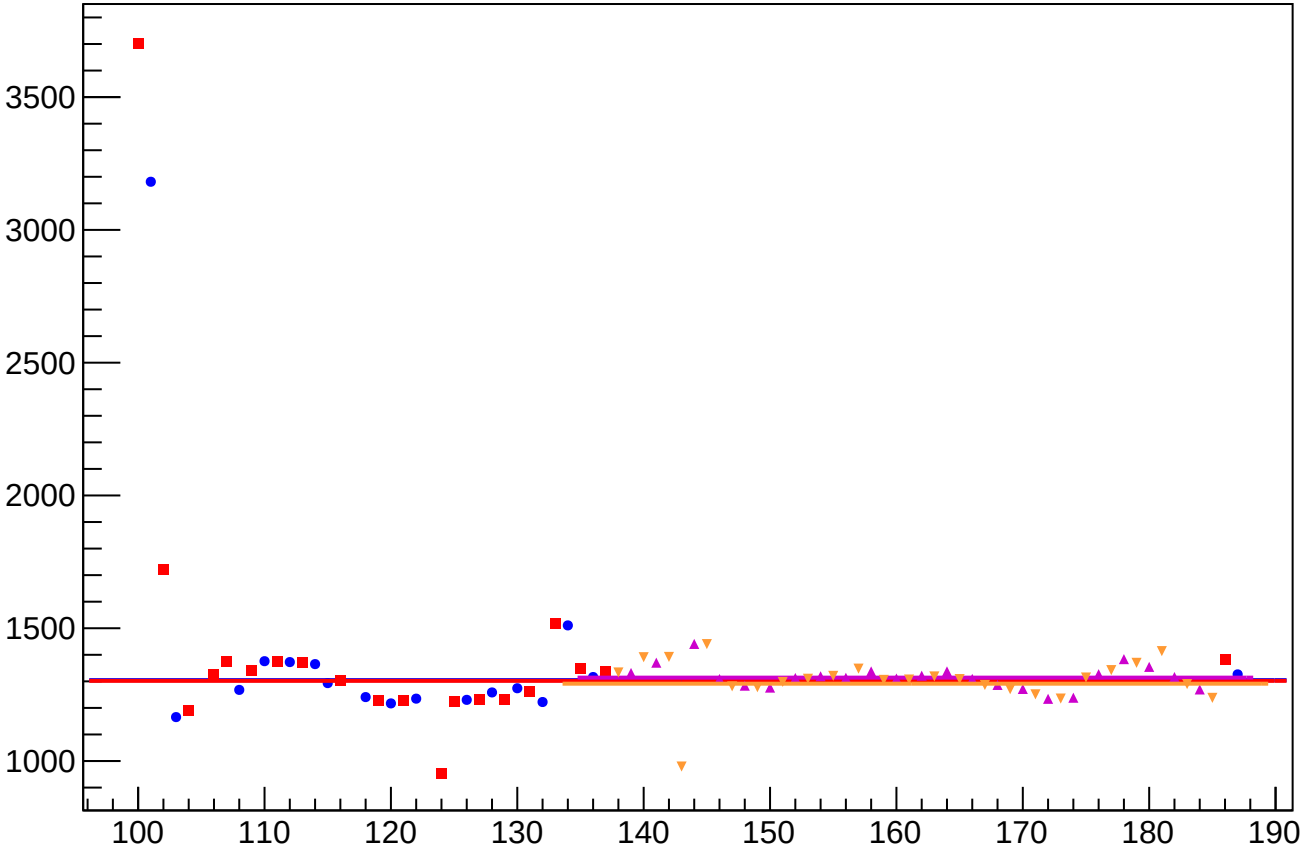
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 173.450+/-251.967 χ^2/NDF: 62.1/41

All: 245.862+/-180.143 χ^2/NDF: 100.0/84

- sign 321.577+/-257.649 χ^2/NDF: 37.7/42

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

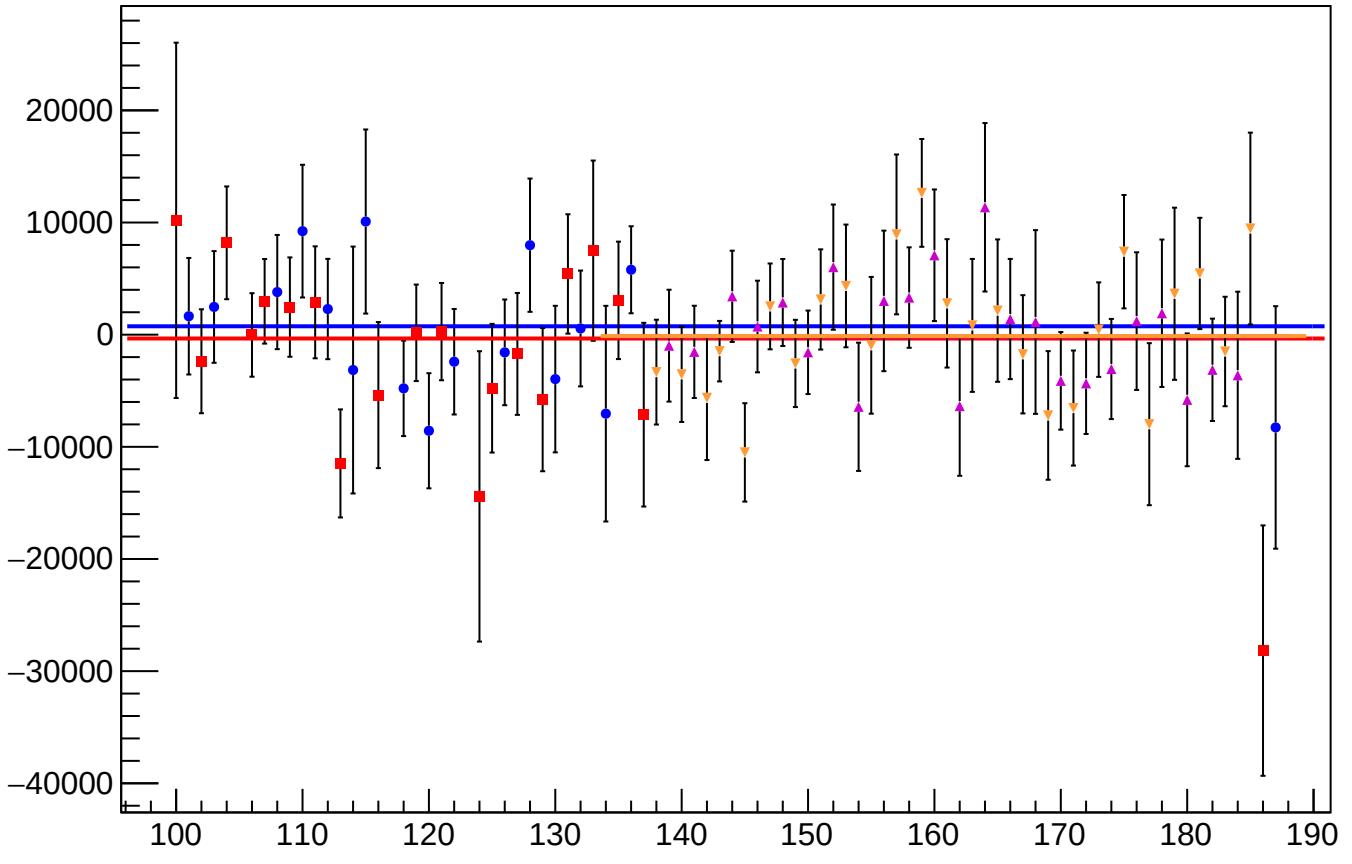
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.3/19

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.802+/-0.178 χ^2/NDF: 742545.6/41

All: 1302.446+/-0.127 χ^2/NDF: 1006396.9/84

- sign 1310.436+/-0.182 χ^2/NDF: 260086.4/42



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

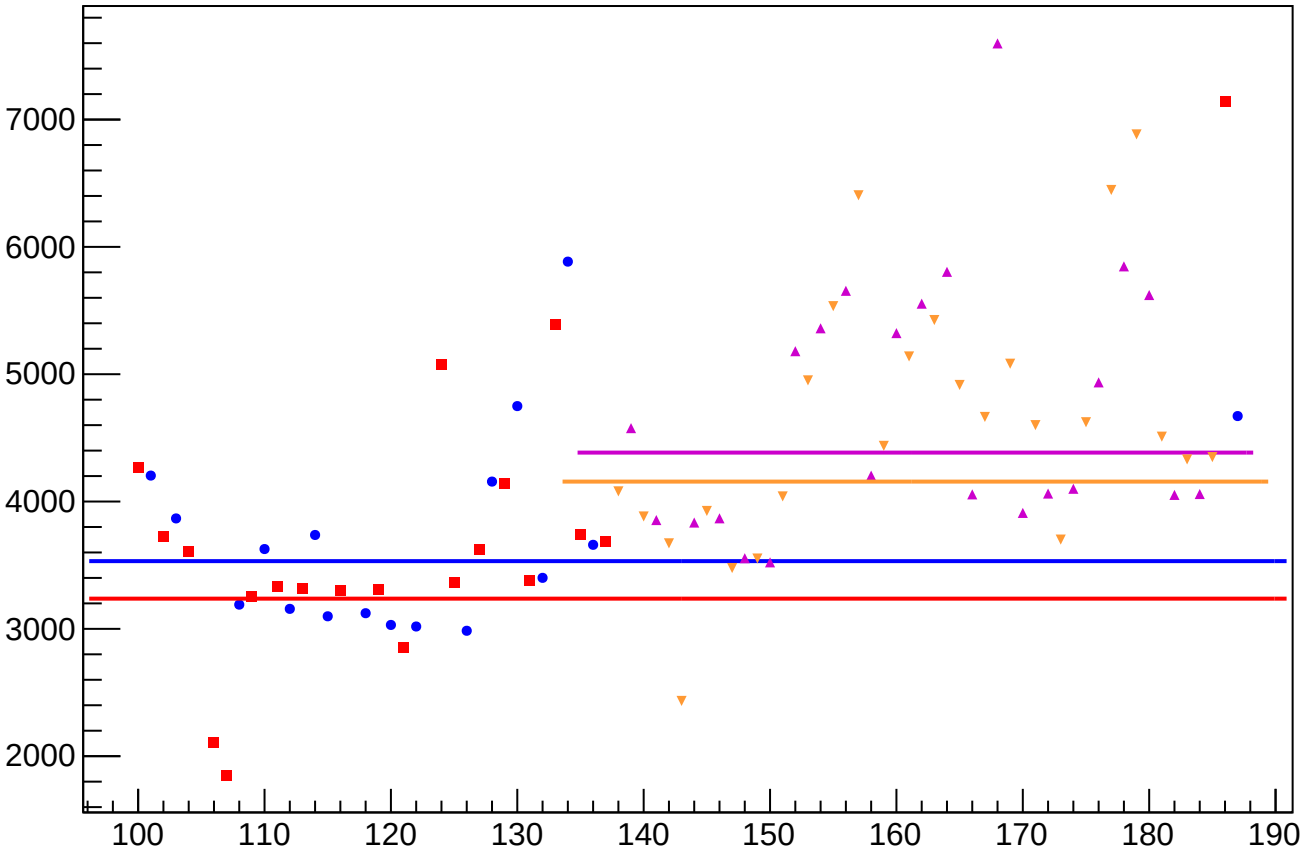
Right Out: -342.255+/-1193.137 χ^2/NDF: 23.1/19

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 183.399+/-784.890 χ^2/NDF: 43.7/41

All: -27.339+/-555.510 χ^2/NDF: 80.7/84

- sign -238.852+/-786.332 χ^2/NDF: 36.9/42



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

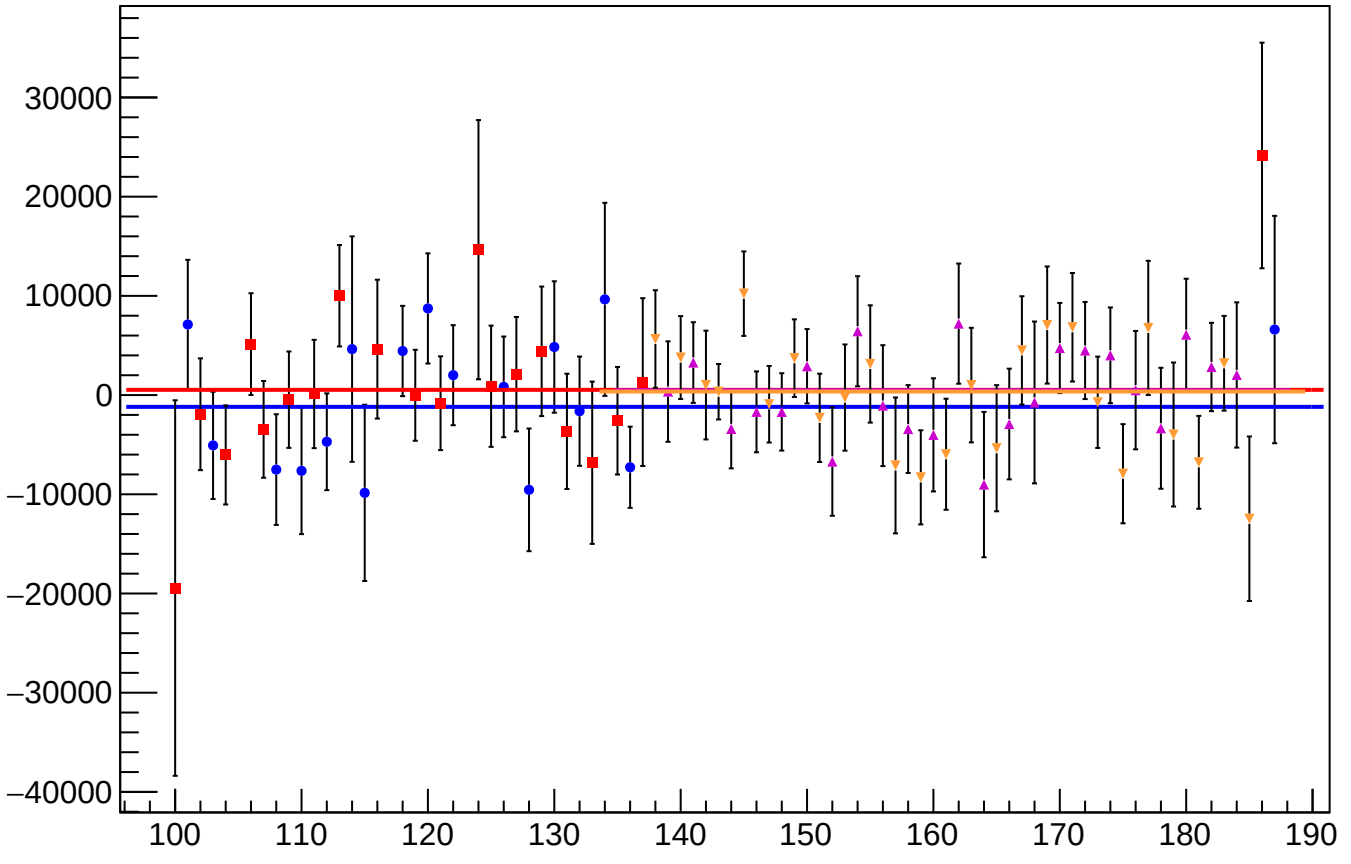
Right Out: 3237.291+/-0.844 χ^2/NDF: 1019710.1/19

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768440.2/41

All: 3910.549+/-0.393 χ^2/NDF: 6093064.1/84

- sign 3886.123+/-0.556 χ^2/NDF: 3320771.2/42



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 527.725+/-1326.934 χ^2/NDF: 16.0/19

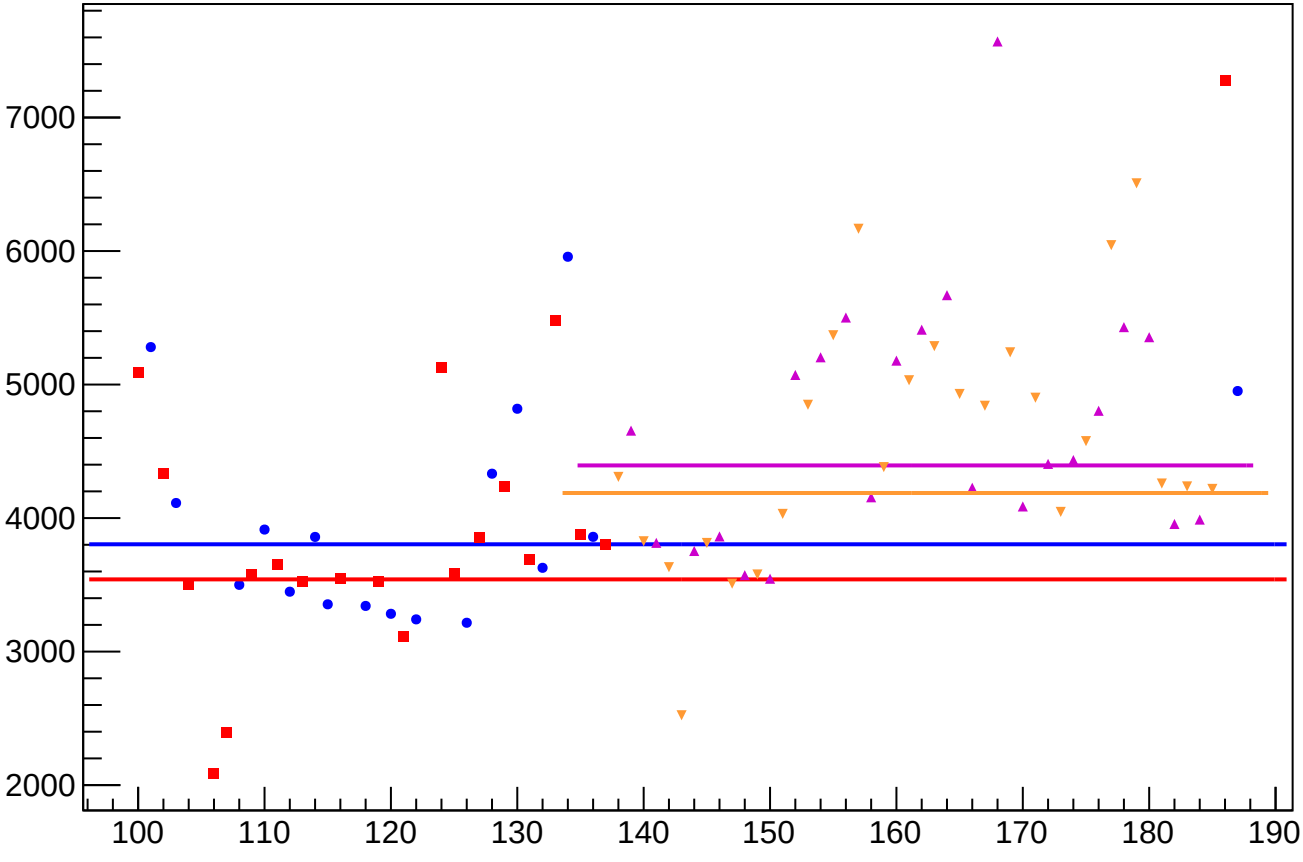
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -137.249+/-806.594 χ^2/NDF: 46.5/41

All: 180.260+/-575.317 χ^2/NDF: 76.7/84

\- sign 509.080+/-820.836 χ^2/NDF: 29.9/42

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

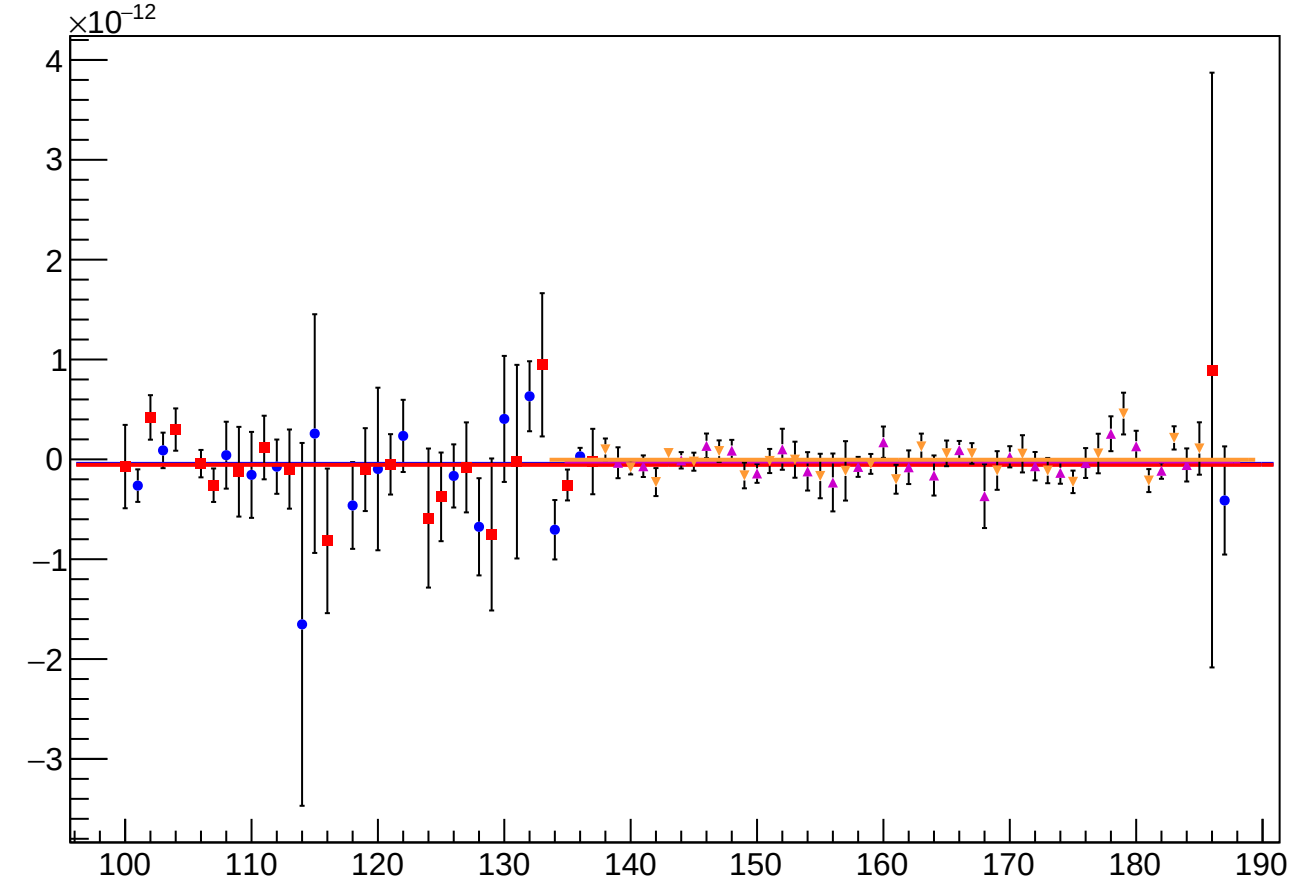
Right Out: 3540.810+/-0.926 χ^2/NDF: 805651.3/19

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4063.999+/-0.570 χ^2/NDF: 2298828.4/41

All: 4063.130+/-0.406 χ^2/NDF: 4712277.4/84

\- sign 4062.240+/-0.577 χ^2/NDF: 2413444.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

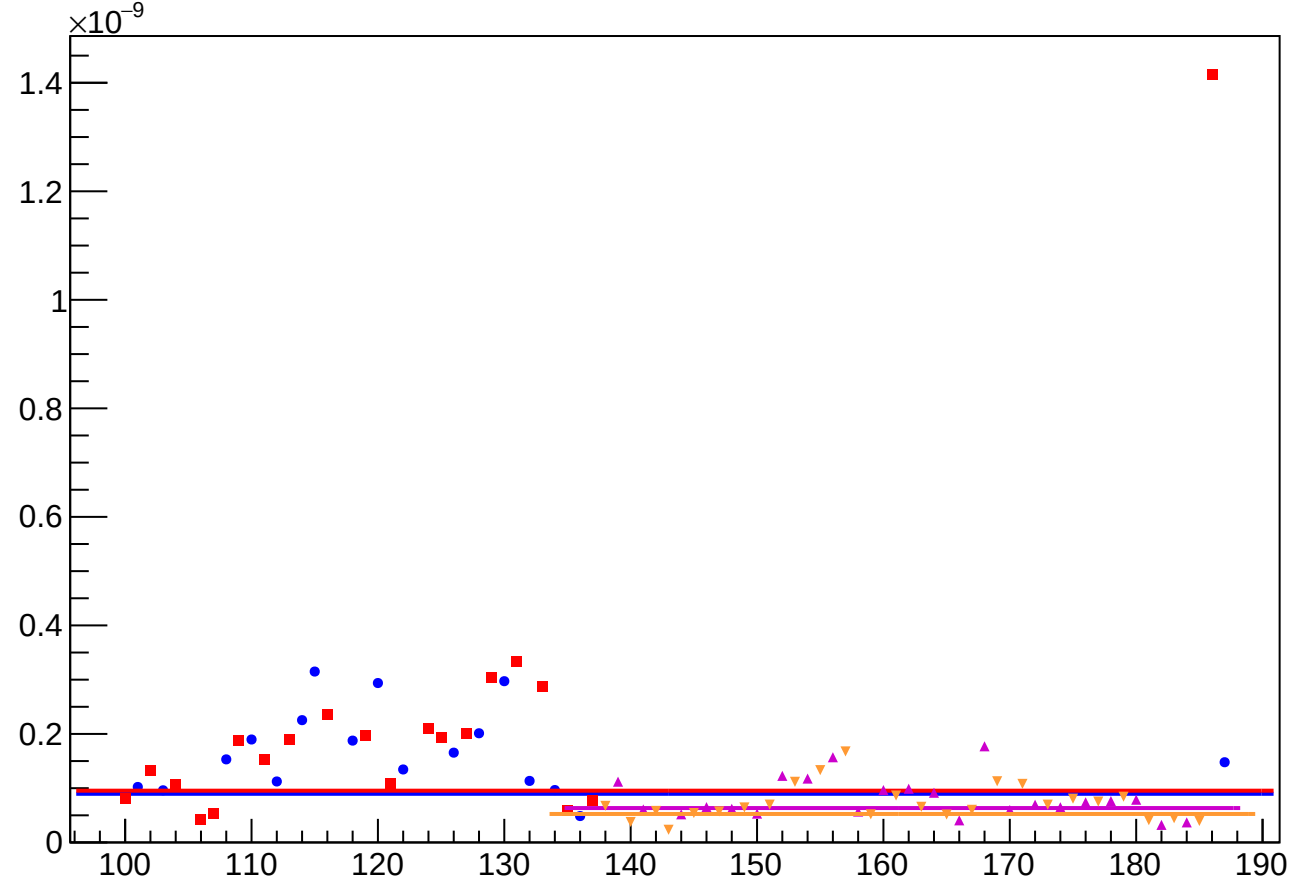
Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/19

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.0/41

All: -0.000+/-0.000 χ^2/NDF: 81.5/84

- sign -0.000+/-0.000 χ^2/NDF: 33.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

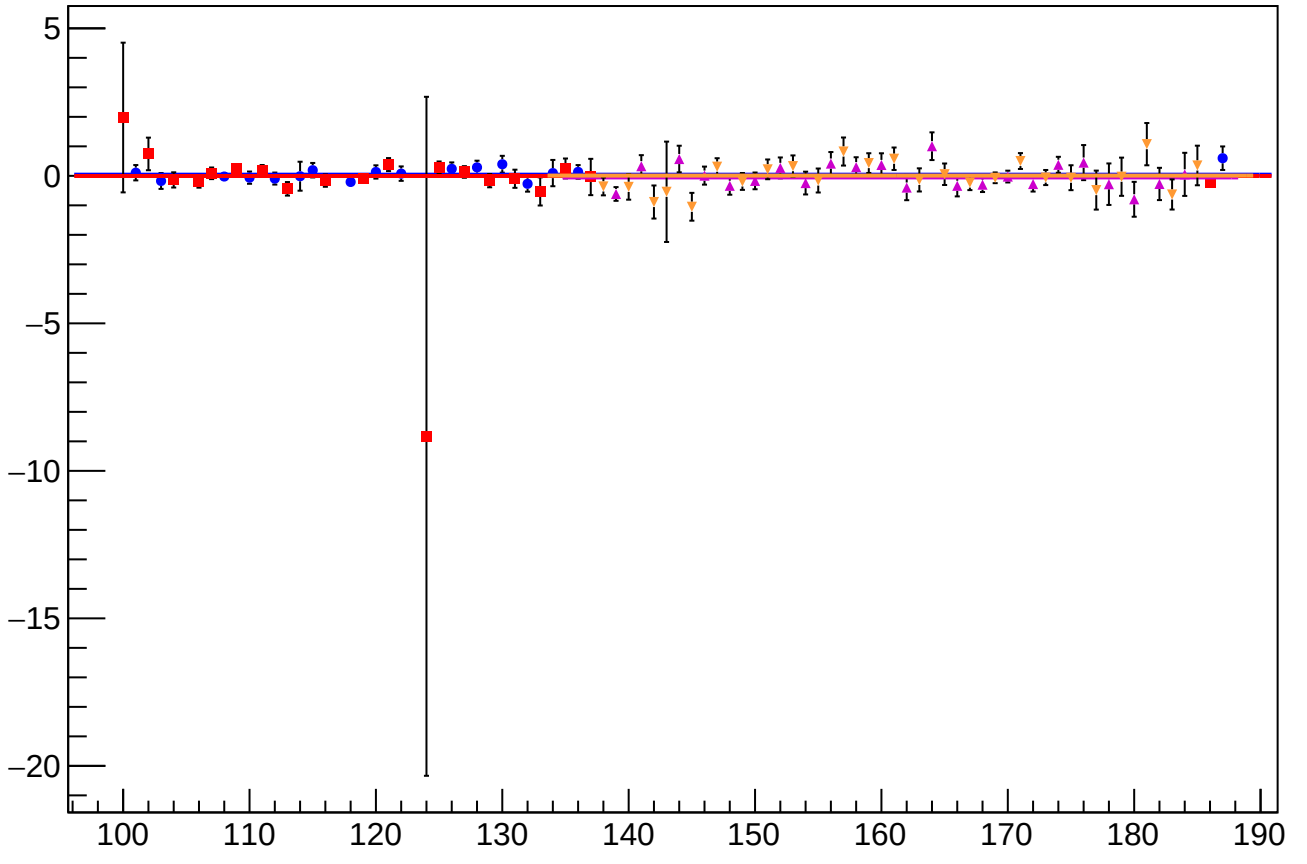
Right Out: 0.000+/-0.000 χ^2/NDF: 2127050.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4815395.8/41

All: 0.000+/-0.000 χ^2/NDF: 9390157.8/84

- sign 0.000+/-0.000 χ^2/NDF: 4344977.8/42



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

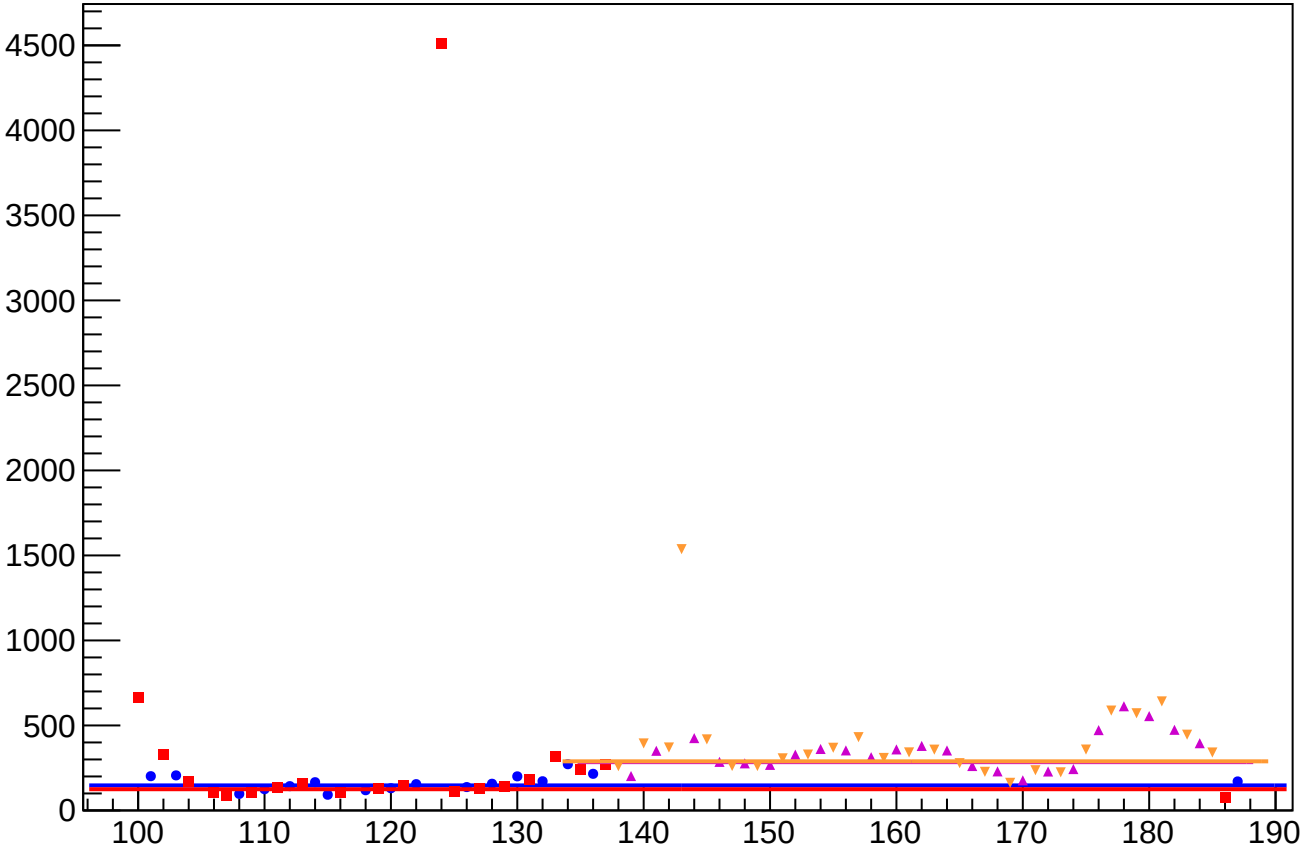
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

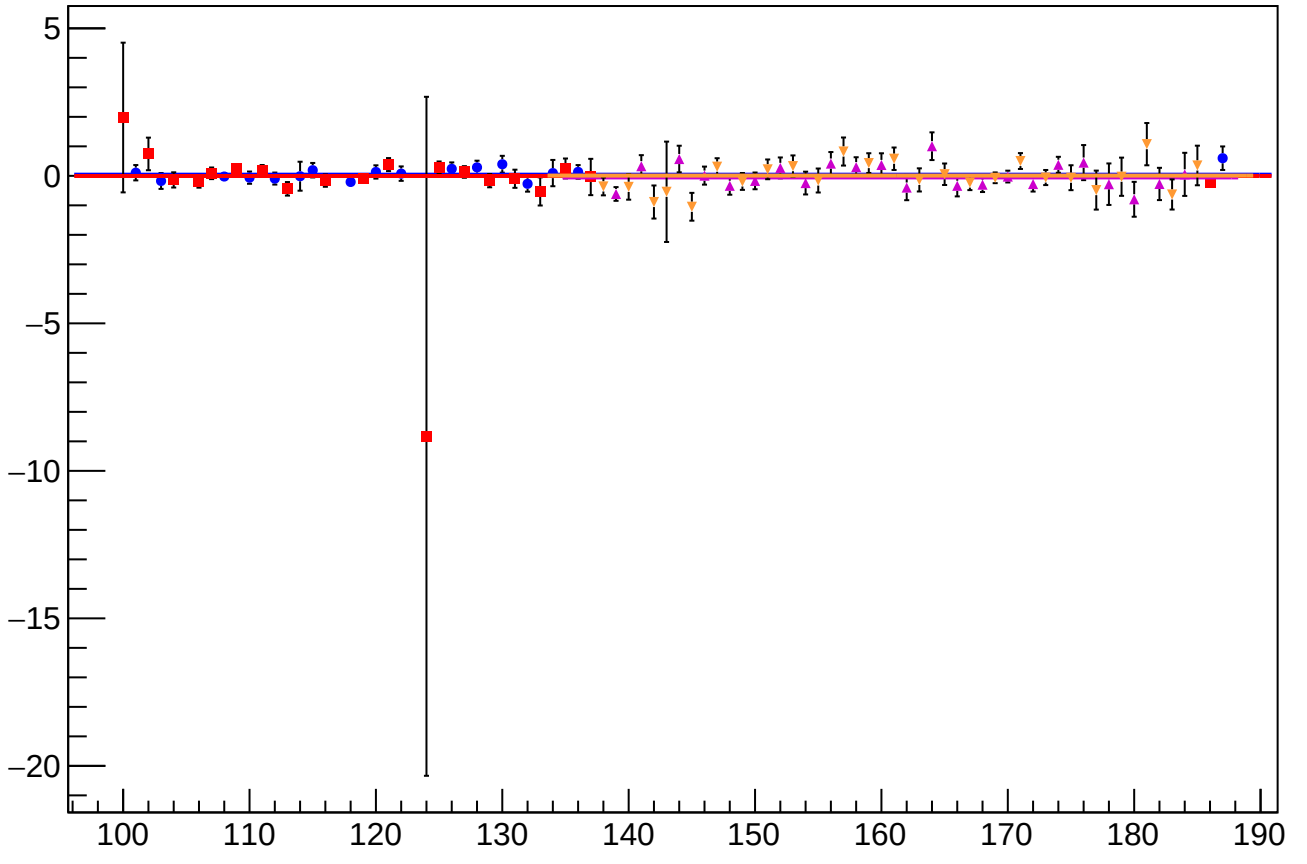
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

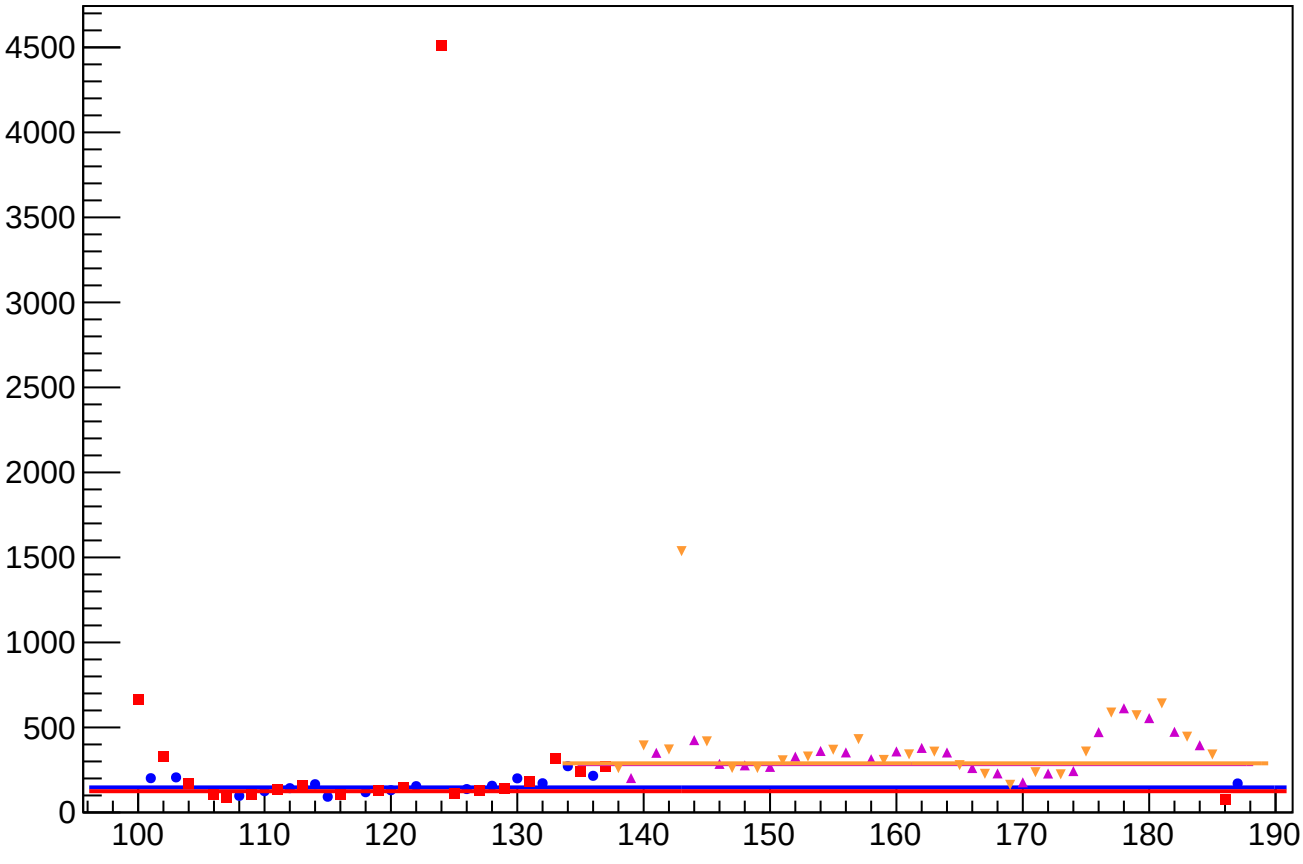
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

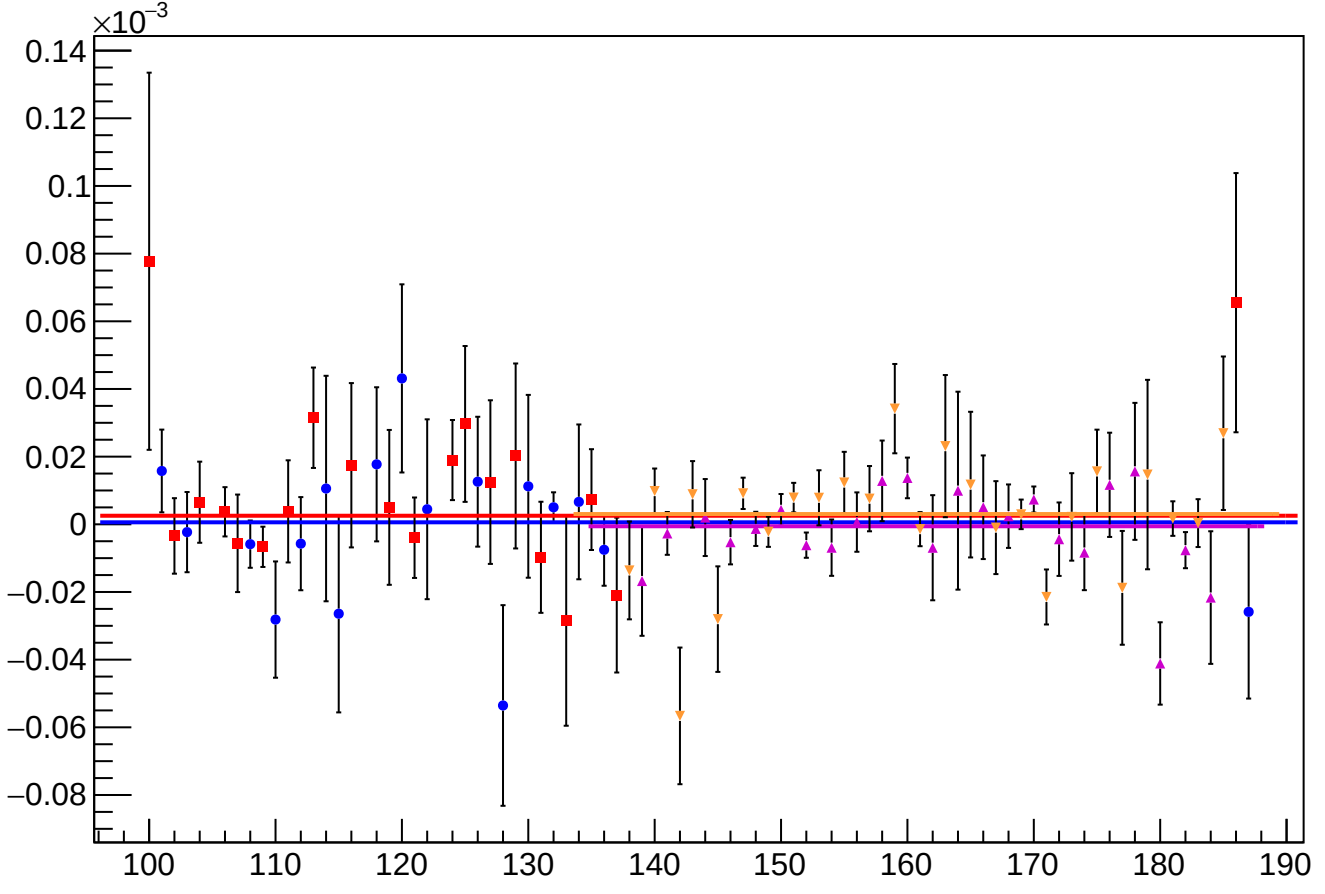
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

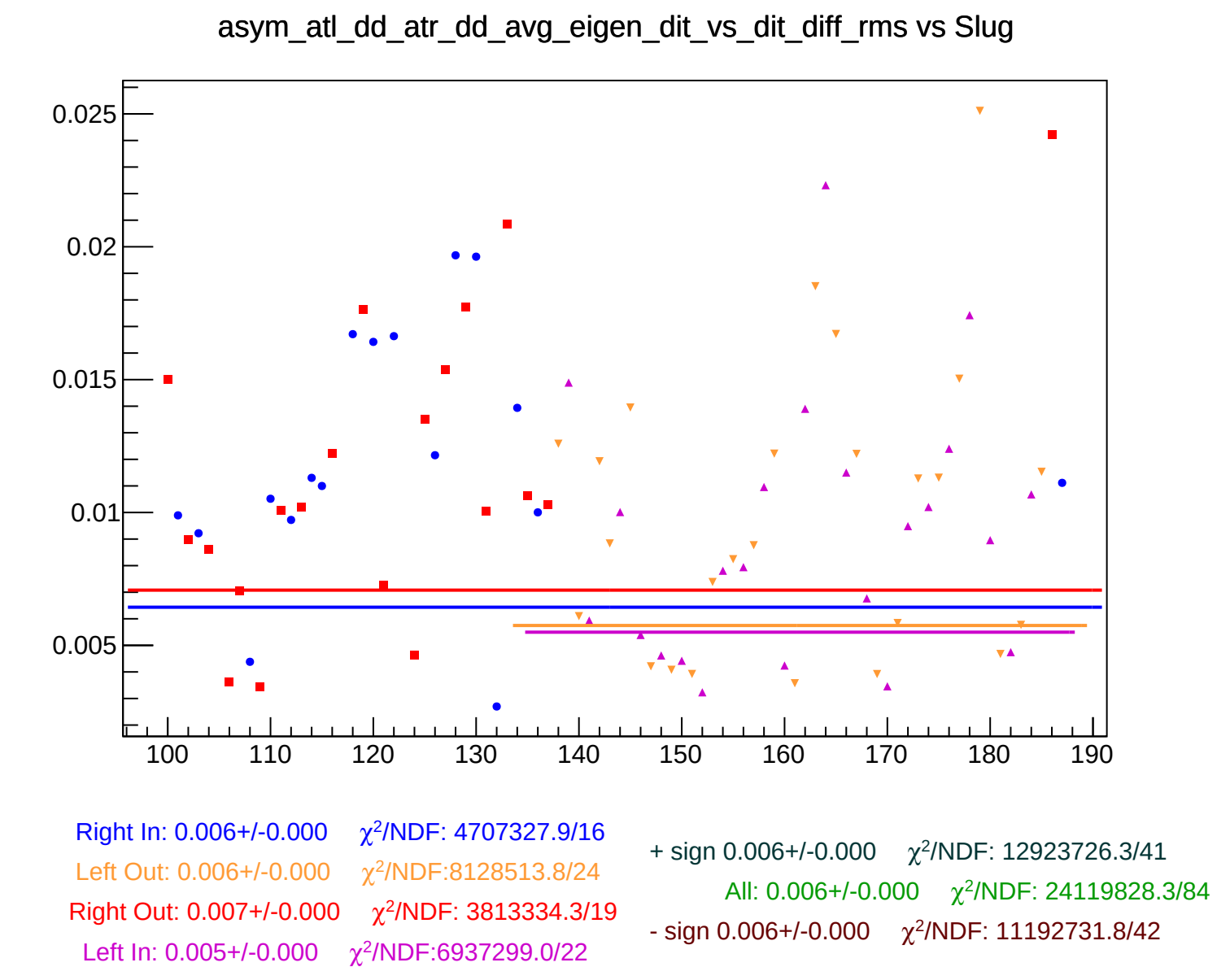
Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/19

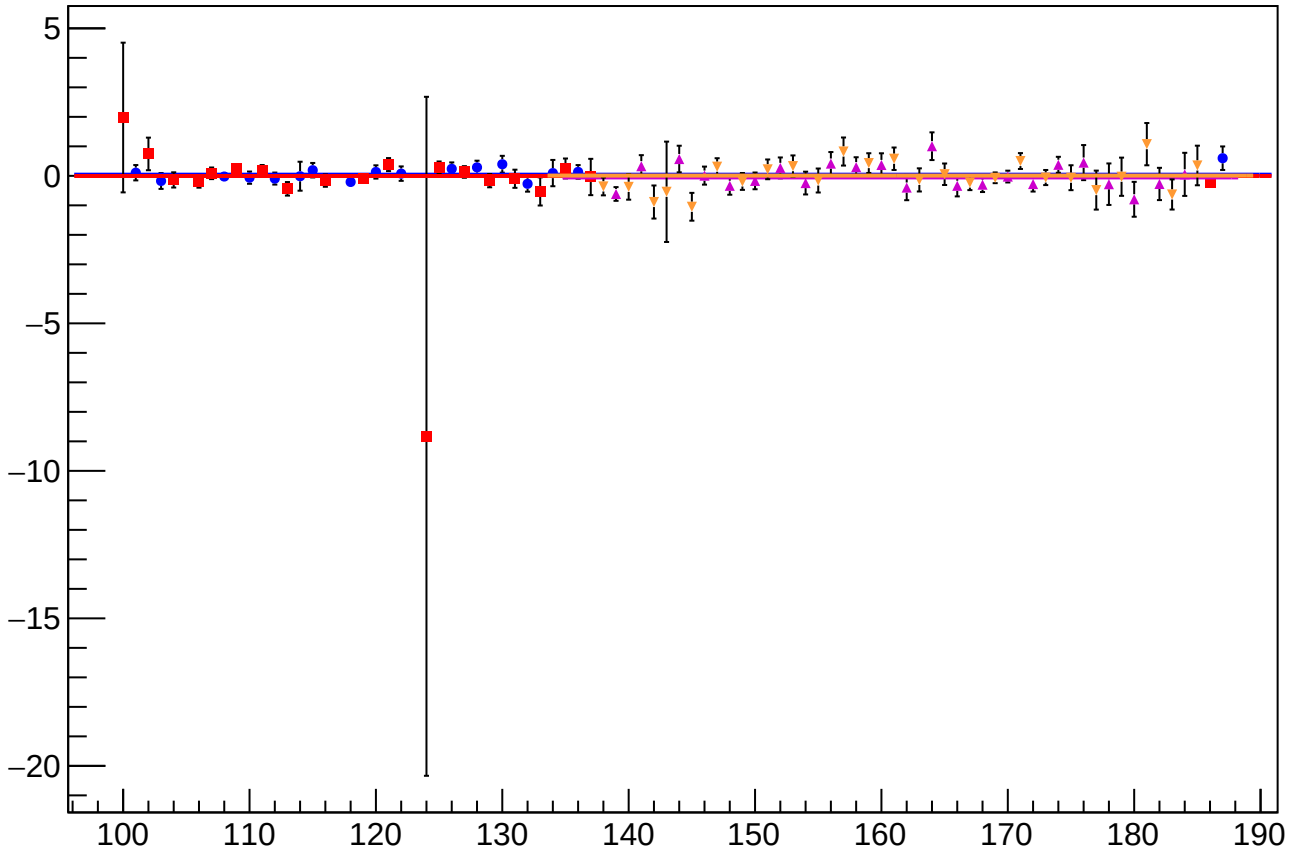
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/41

All: 0.000+/-0.000 χ^2/NDF: 113.2/84

- sign 0.000+/-0.000 χ^2/NDF: 52.8/42


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.006+/-0.000 χ²/NDF: 4707327.9/16
Left Out: 0.006+/-0.000 χ²/NDF:8128513.8/24
Right Out: 0.007+/-0.000 χ²/NDF: 3813334.3/19
Left In: 0.005+/-0.000 χ²/NDF:6937299.0/22
+ sign 0.006+/-0.000 χ²/NDF: 12923726.3/41
All: 0.006+/-0.000 χ²/NDF: 24119828.3/84
- sign 0.006+/-0.000 χ²/NDF: 11192731.8/42



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

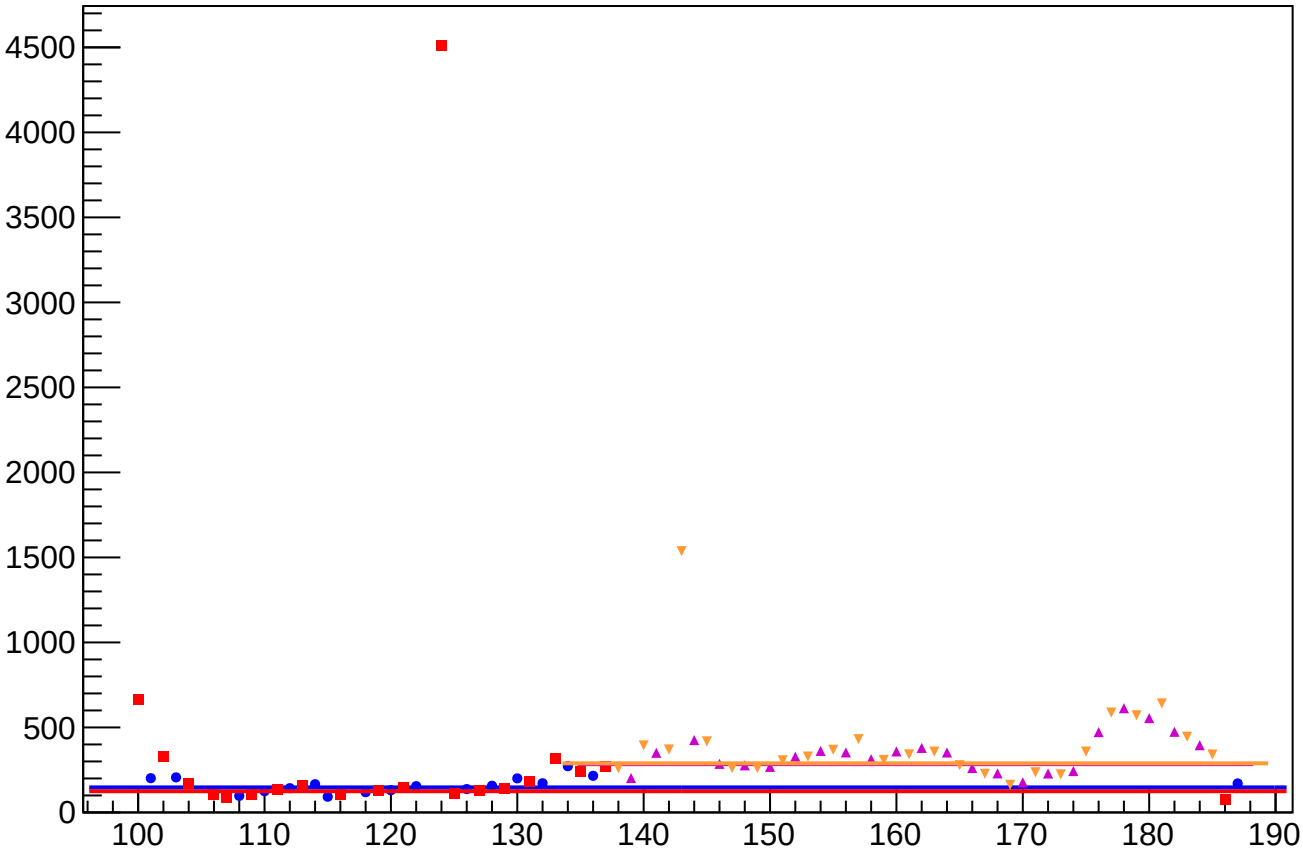
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

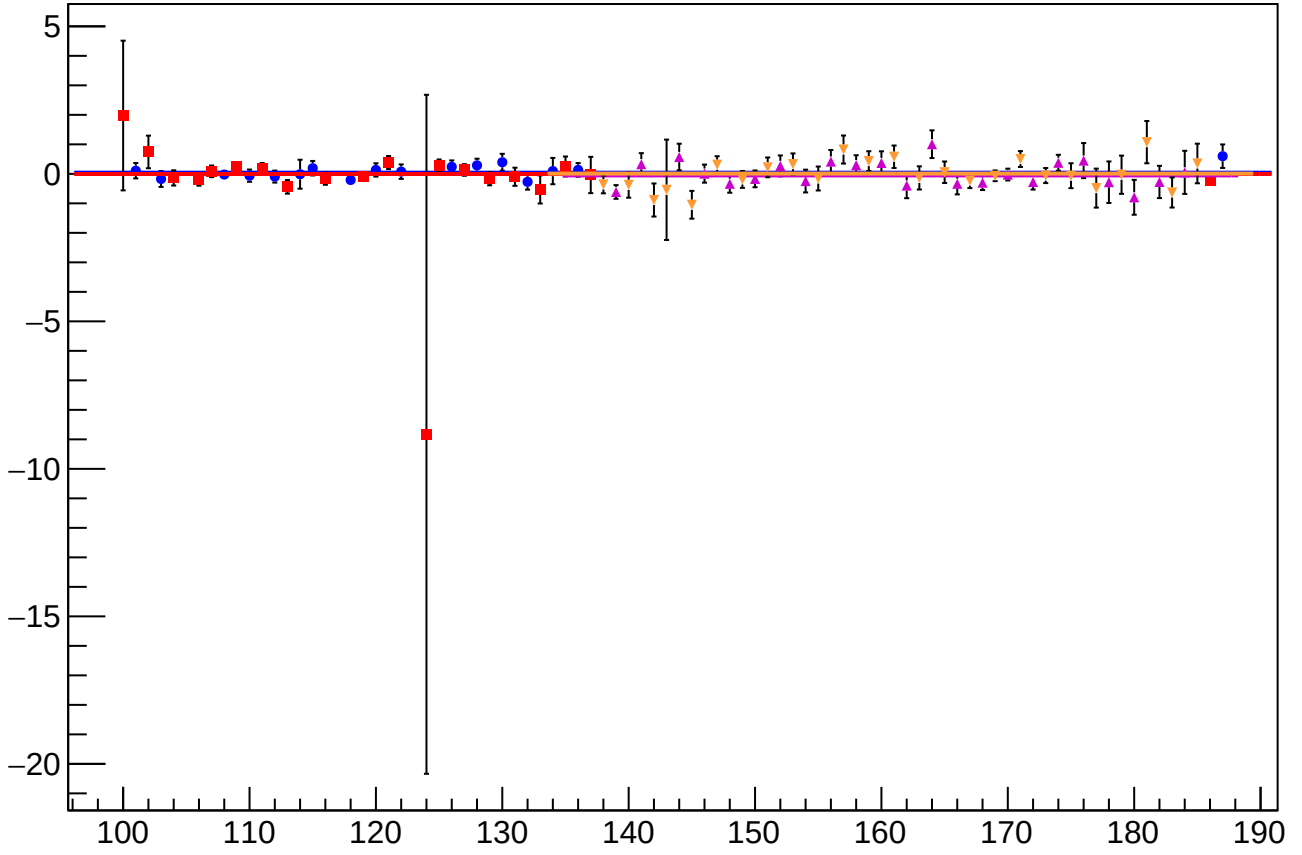
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.924+/-0.031 χ^2/NDF: 10482932.7/41

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84

- sign 178.595+/-0.029 χ^2/NDF: 11852258.1/42

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

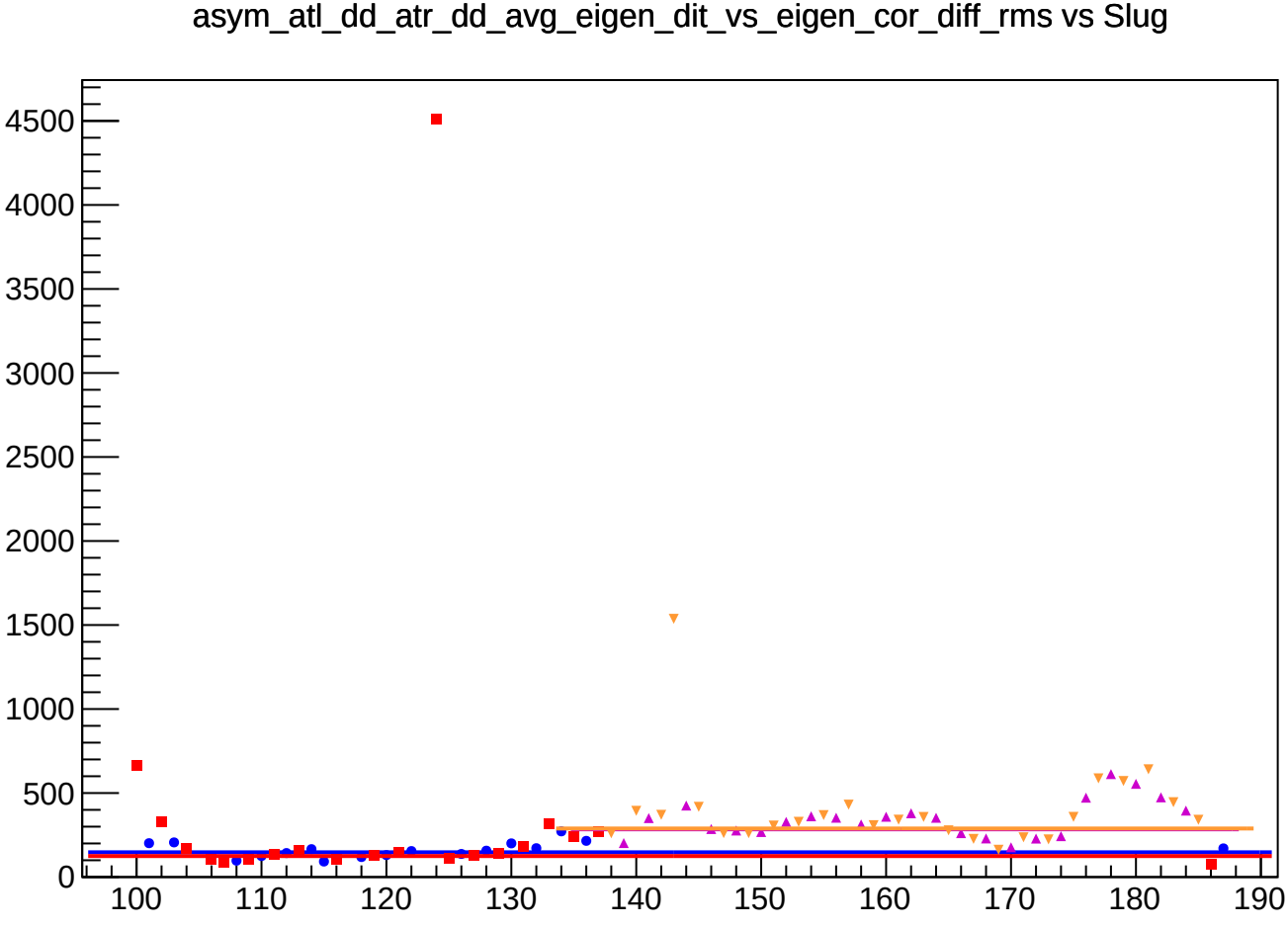
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

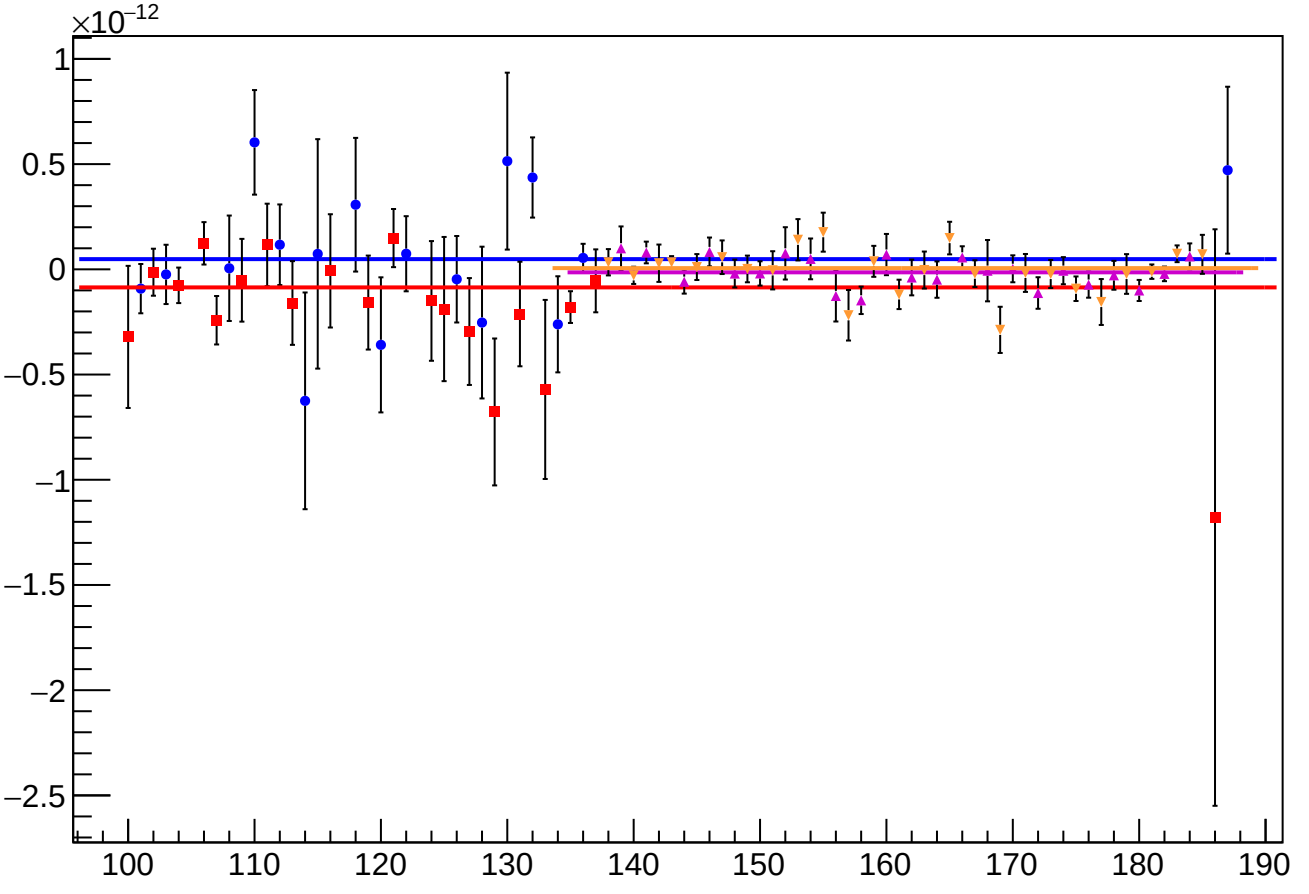
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 147.318+/-0.040 χ²/NDF: 1005643.2/16
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 124.905+/-0.036 χ²/NDF: 1990418.8/19
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 202.924+/-0.031 χ²/NDF: 10482932.7/41
All: 189.728+/-0.021 χ²/NDF: 22659378.3/84
- sign 178.595+/-0.029 χ²/NDF: 11852258.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

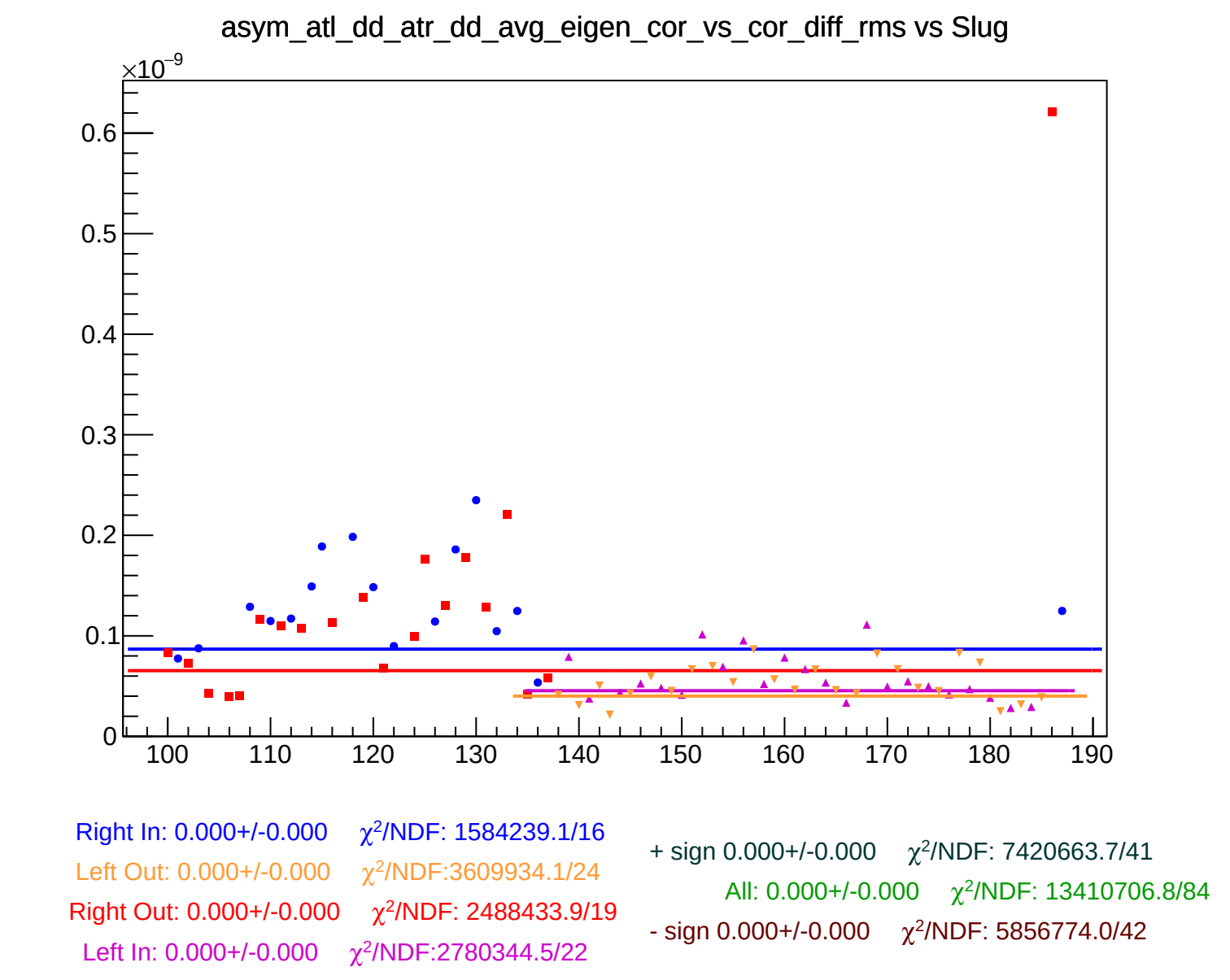
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

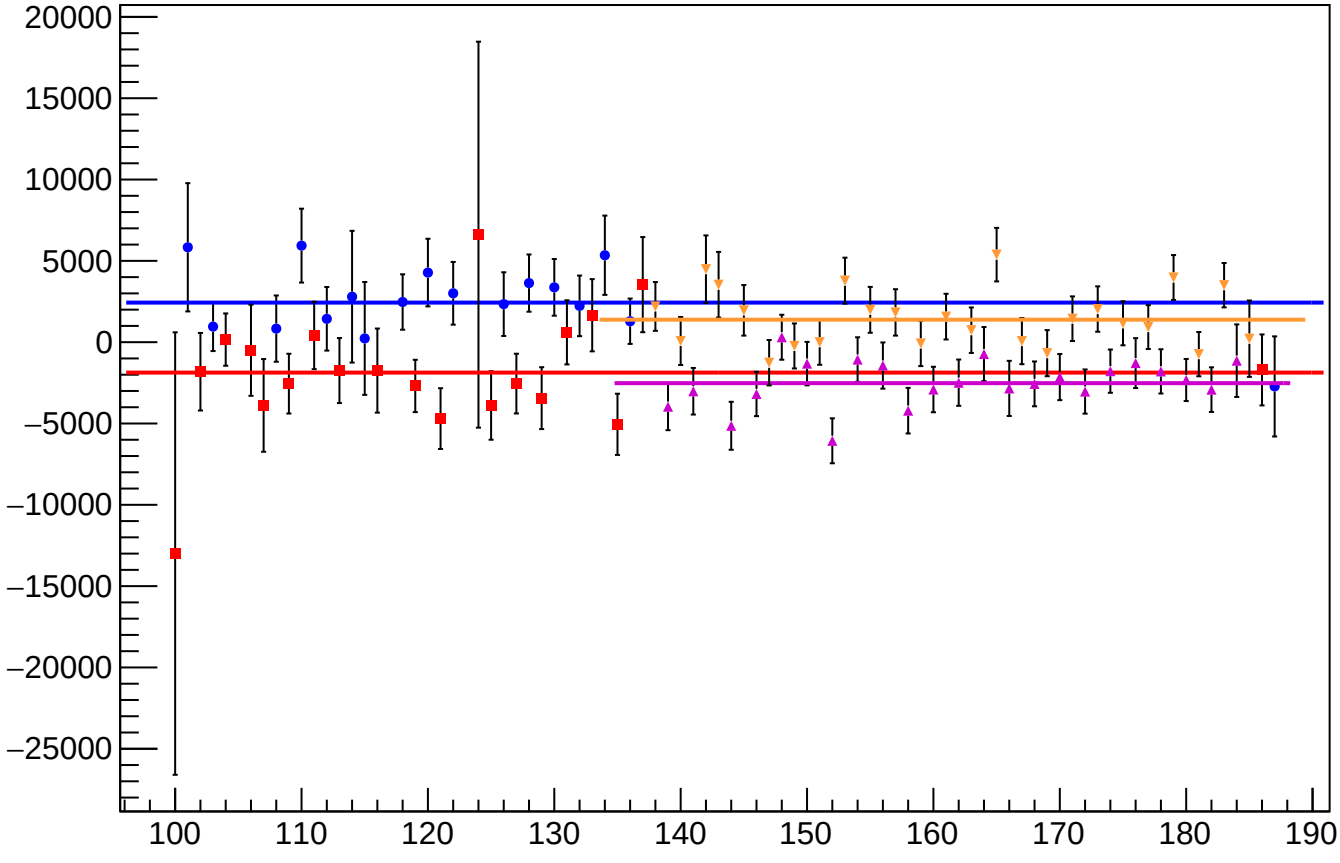
+ sign 0.000+/-0.000 χ^2/NDF: 55.2/41

All: -0.000+/-0.000 χ^2/NDF: 104.7/84

- sign -0.000+/-0.000 χ^2/NDF: 45.8/42


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1584239.1/16
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2488433.9/19
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7420663.7/41
All: 0.000+/-0.000 χ²/NDF: 13410706.8/84
- sign 0.000+/-0.000 χ²/NDF: 5856774.0/42

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2433.943+/-489.070 χ^2/NDF: 11.9/16

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1869.627+/-482.472 χ^2/NDF: 19.5/19

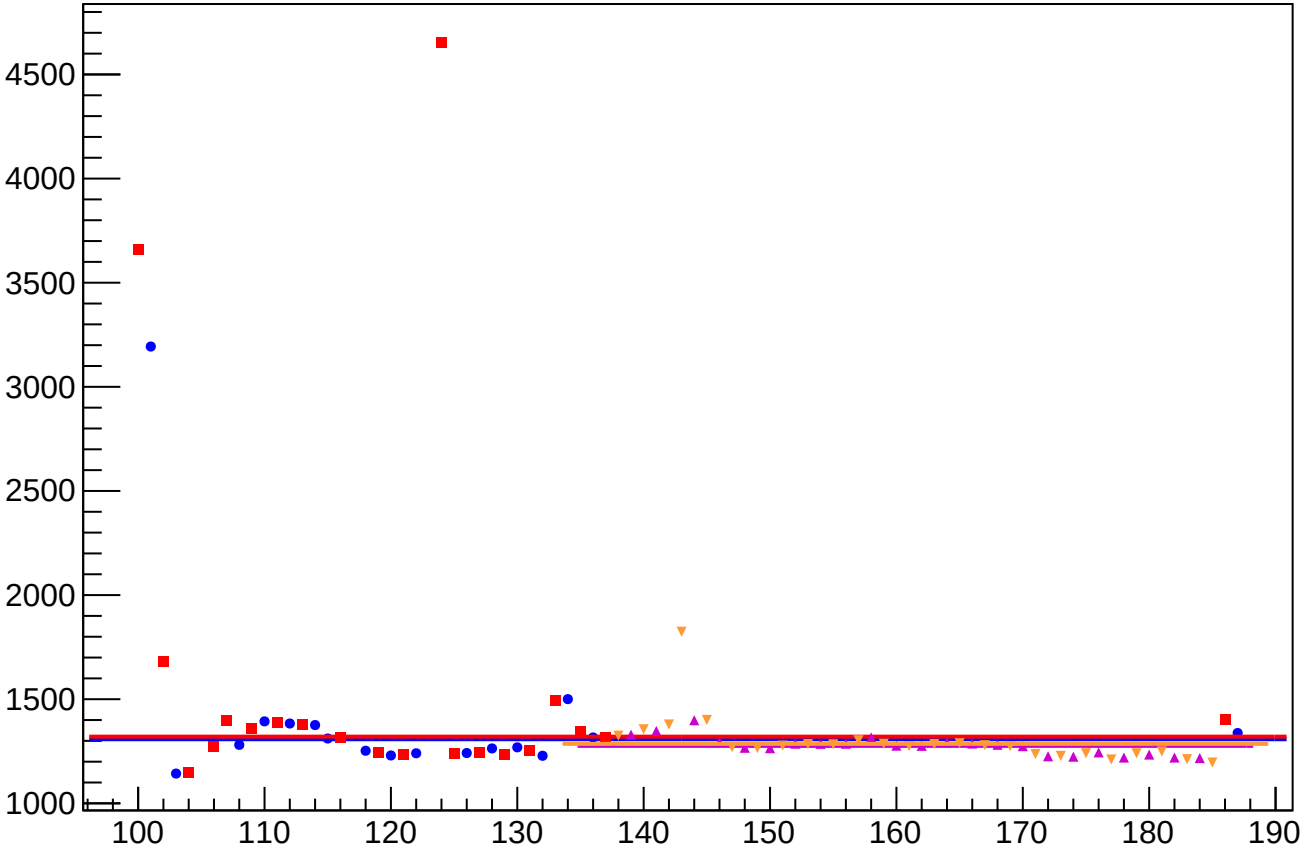
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1660.448+/-251.205 χ^2/NDF: 48.2/41

All: -320.755+/-178.468 χ^2/NDF: 217.1/84

- sign -2339.859+/-253.596 χ^2/NDF: 43.3/42

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.840+/-0.346 χ^2/NDF: 516441.2/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

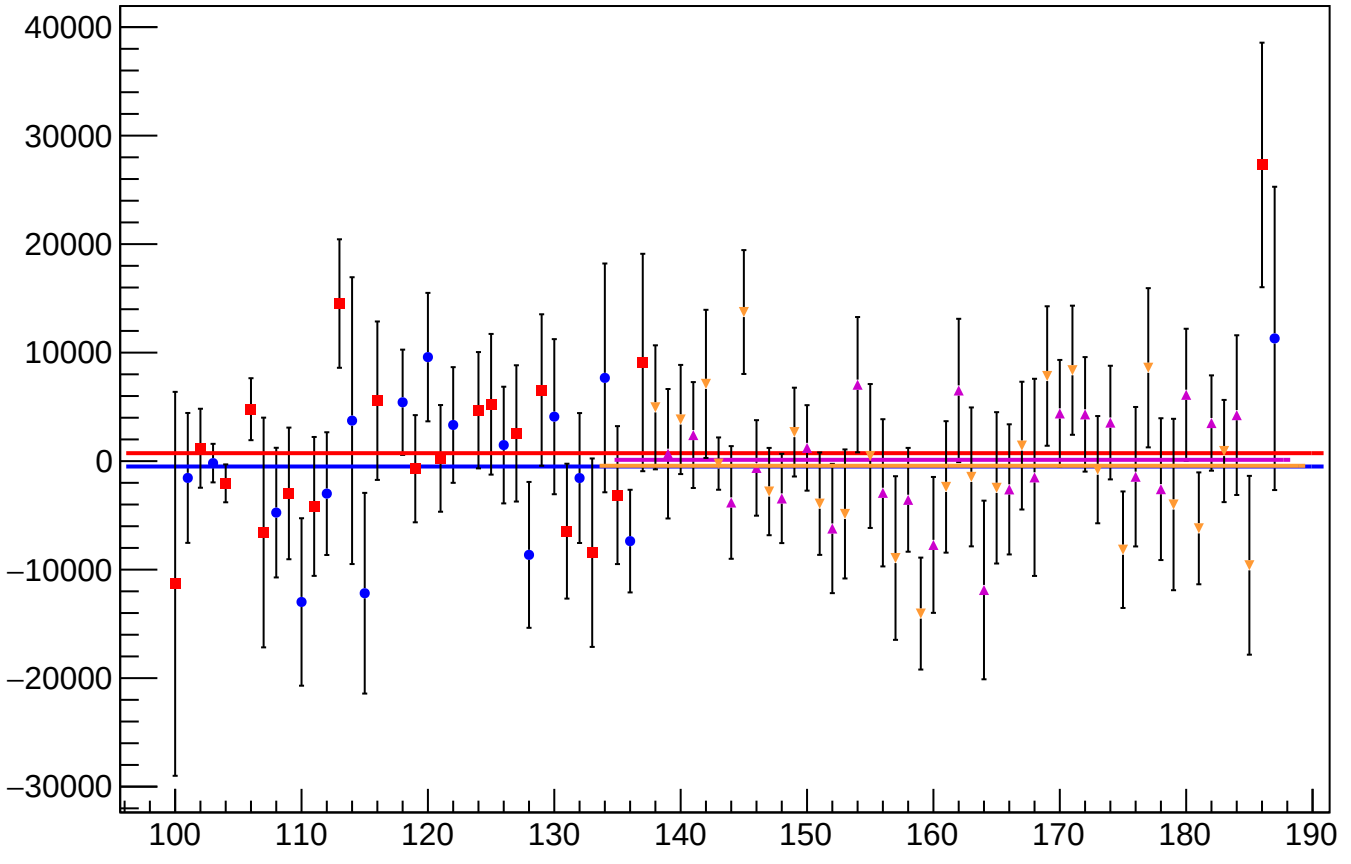
Right Out: 1320.260+/-0.340 χ^2/NDF: 329486.0/19

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.503+/-0.178 χ^2/NDF: 710499.7/41

All: 1289.881+/-0.126 χ^2/NDF: 1093811.9/84

- sign 1288.230+/-0.179 χ^2/NDF: 383144.0/42



Right In: -495.783+/-1188.541 χ^2/NDF: 15.5/16

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

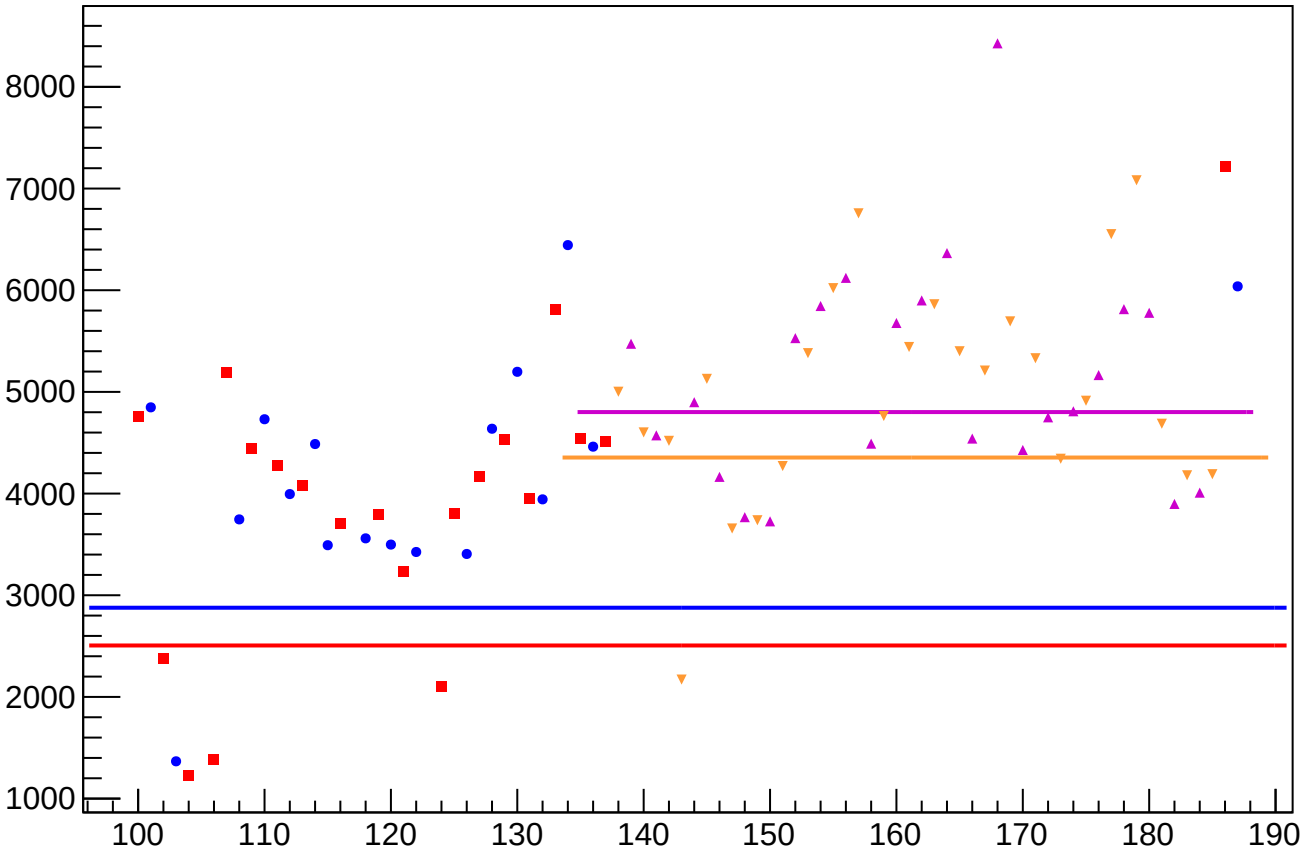
Right Out: 733.118+/-1050.835 χ^2/NDF: 23.3/19

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -457.631+/-781.834 χ^2/NDF: 45.3/41

All: 1.910+/-550.089 χ^2/NDF: 83.0/84

- sign 452.418+/-774.112 χ^2/NDF: 37.1/42



Right In: 2877.324+/-0.840 χ^2/NDF: 3007852.8/16

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2505.958+/-0.743 χ^2/NDF: 3709242.0/19

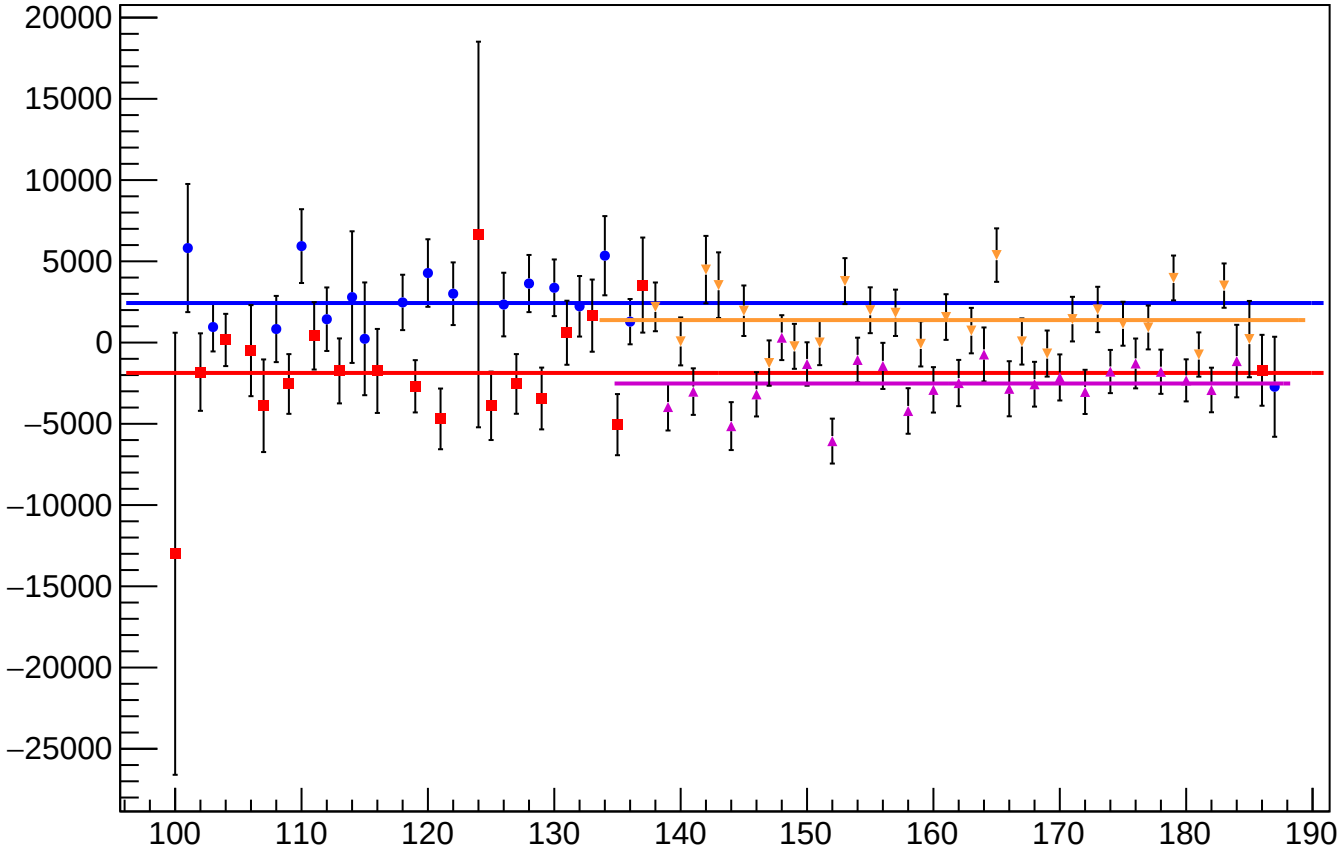
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

\+ sign 3715.321+/-0.553 χ^2/NDF: 7831894.2/41

All: 3634.771+/-0.389 χ^2/NDF: 17180078.8/8

\- sign 3555.806+/-0.547 χ^2/NDF: 9306144.5/42

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2433.677+/-489.071 χ^2/NDF: 11.9/16

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1869.380+/-482.472 χ^2/NDF: 19.6/19

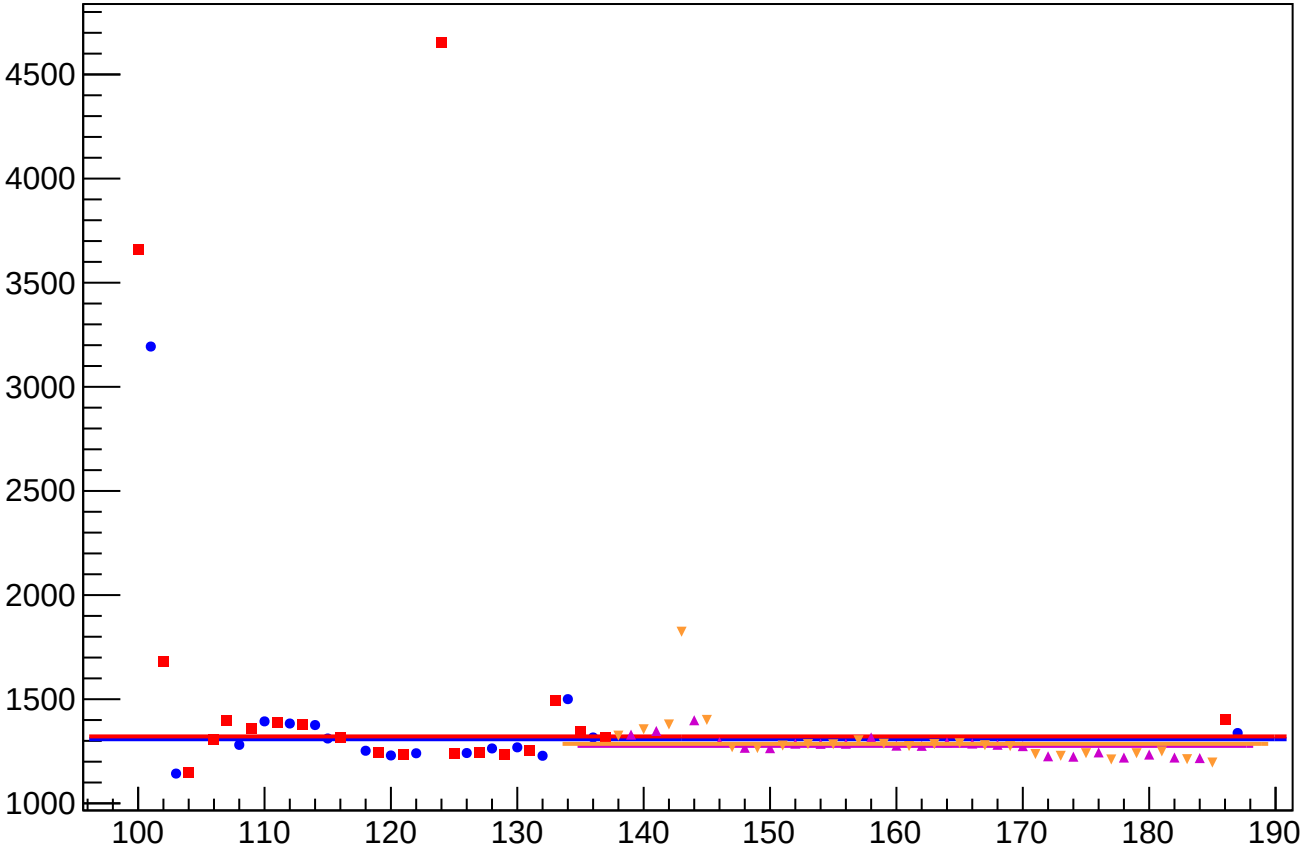
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1660.331+/-251.205 χ^2/NDF: 48.2/41

All: -320.782+/-178.468 χ^2/NDF: 217.1/84

- sign -2339.792+/-253.596 χ^2/NDF: 43.3/42

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.839+/-0.346 χ^2/NDF: 516442.7/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

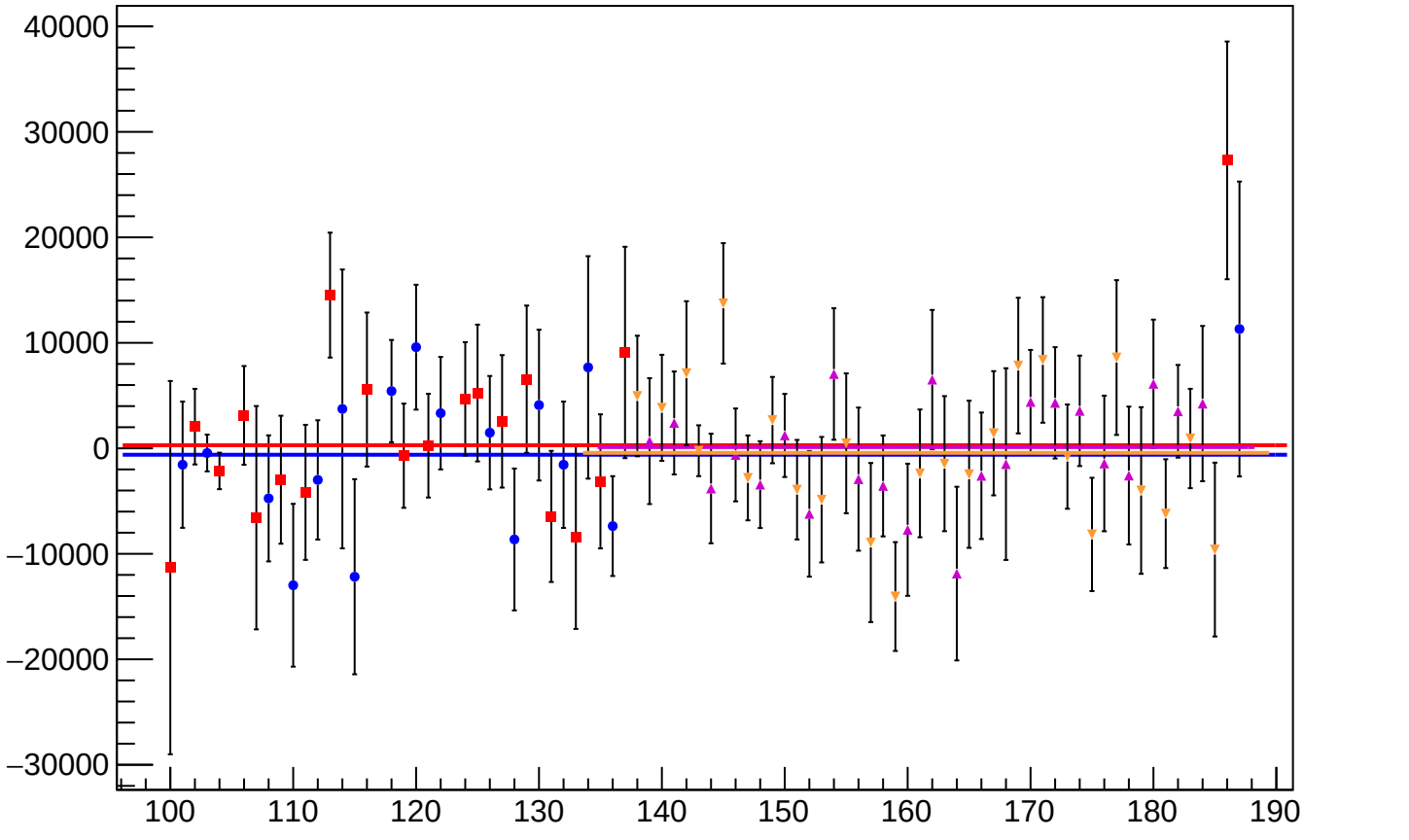
Right Out: 1321.340+/-0.341 χ^2/NDF: 328914.0/19

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.503+/-0.178 χ^2/NDF: 710501.1/41

All: 1290.023+/-0.126 χ^2/NDF: 1093804.3/84

- sign 1288.516+/-0.179 χ^2/NDF: 383163.0/42



Right In: -609.924+/-1178.223 χ^2/NDF: 15.4/16

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

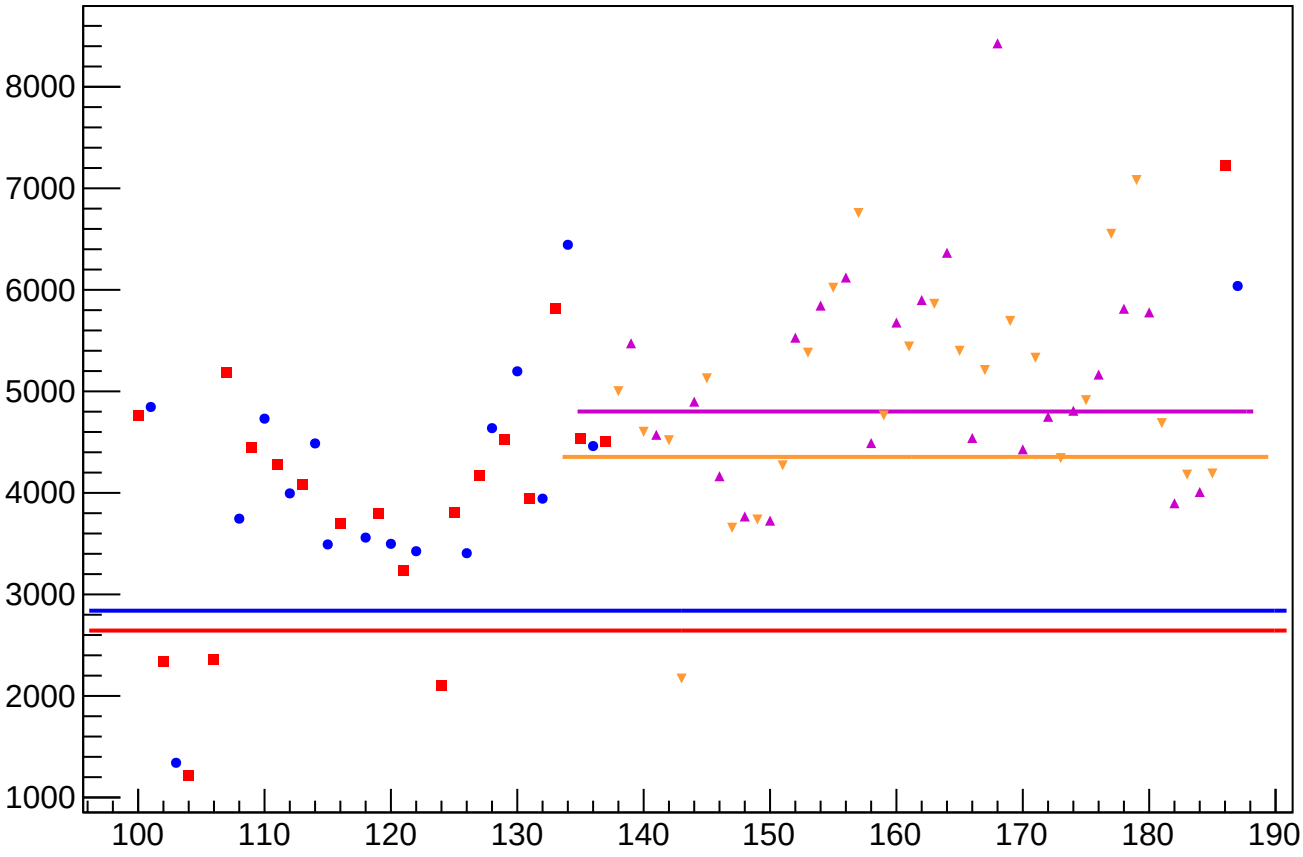
Right Out: 292.587+/-1093.029 χ^2/NDF: 21.7/19

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -507.796+/-778.874 χ^2/NDF: 45.3/41

All: -154.252+/-554.820 χ^2/NDF: 81.0/84

- sign 209.946+/-790.522 χ^2/NDF: 35.4/42



Right In: 2839.677+/-0.833 χ^2/NDF: 3113057.3/16

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2643.999+/-0.773 χ^2/NDF: 3413925.2/19

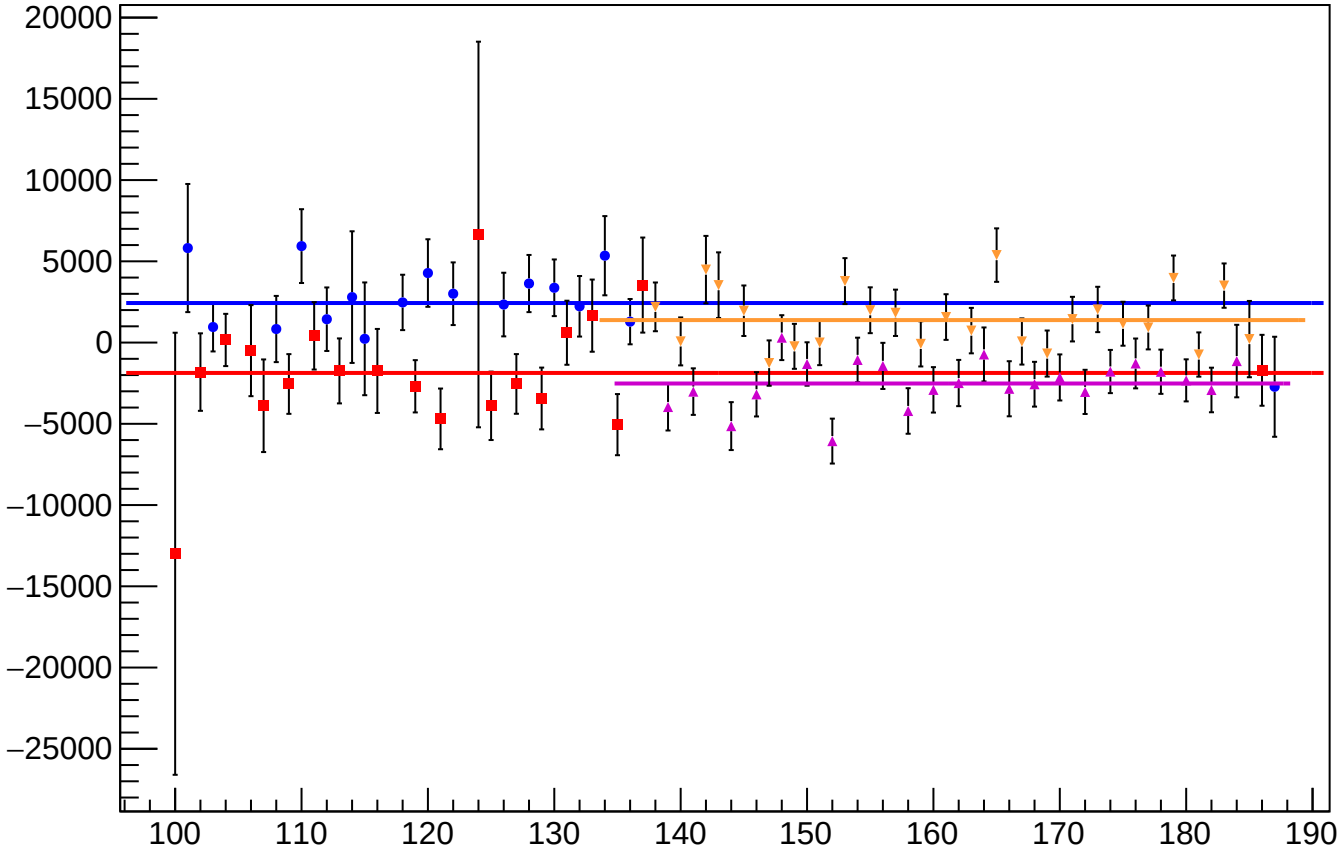
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3692.532+/-0.551 χ^2/NDF: 8045879.1/41

All: 3682.909+/-0.392 χ^2/NDF: 16408919.4/8

- sign 3672.996+/-0.559 χ^2/NDF: 8362420.5/42

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2433.677+/-489.071 χ^2/NDF: 11.9/16

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1869.380+/-482.472 χ^2/NDF: 19.6/19

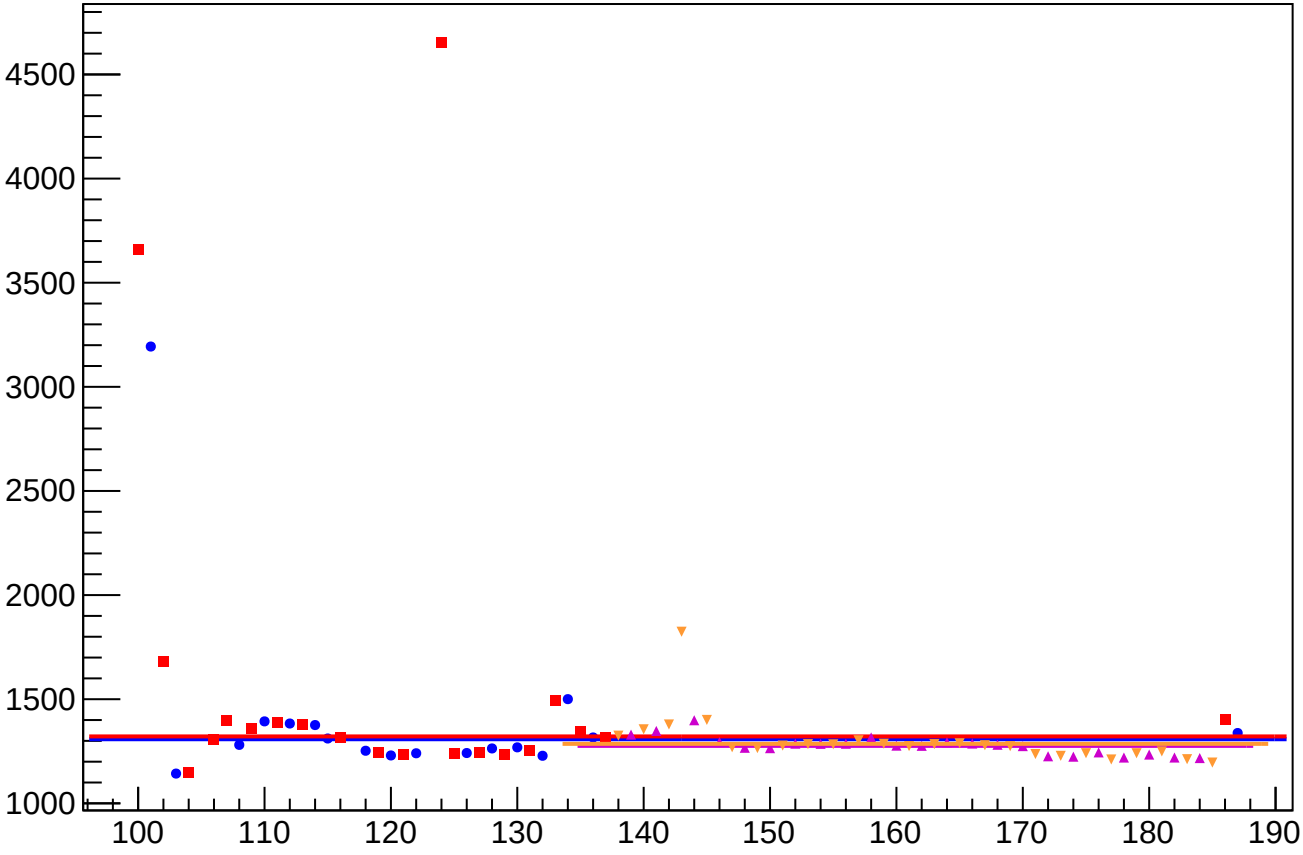
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1660.331+/-251.205 χ^2/NDF: 48.2/41

All: -320.782+/-178.468 χ^2/NDF: 217.1/84

- sign -2339.792+/-253.596 χ^2/NDF: 43.3/42

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1307.839+/-0.346 χ^2/NDF: 516442.7/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

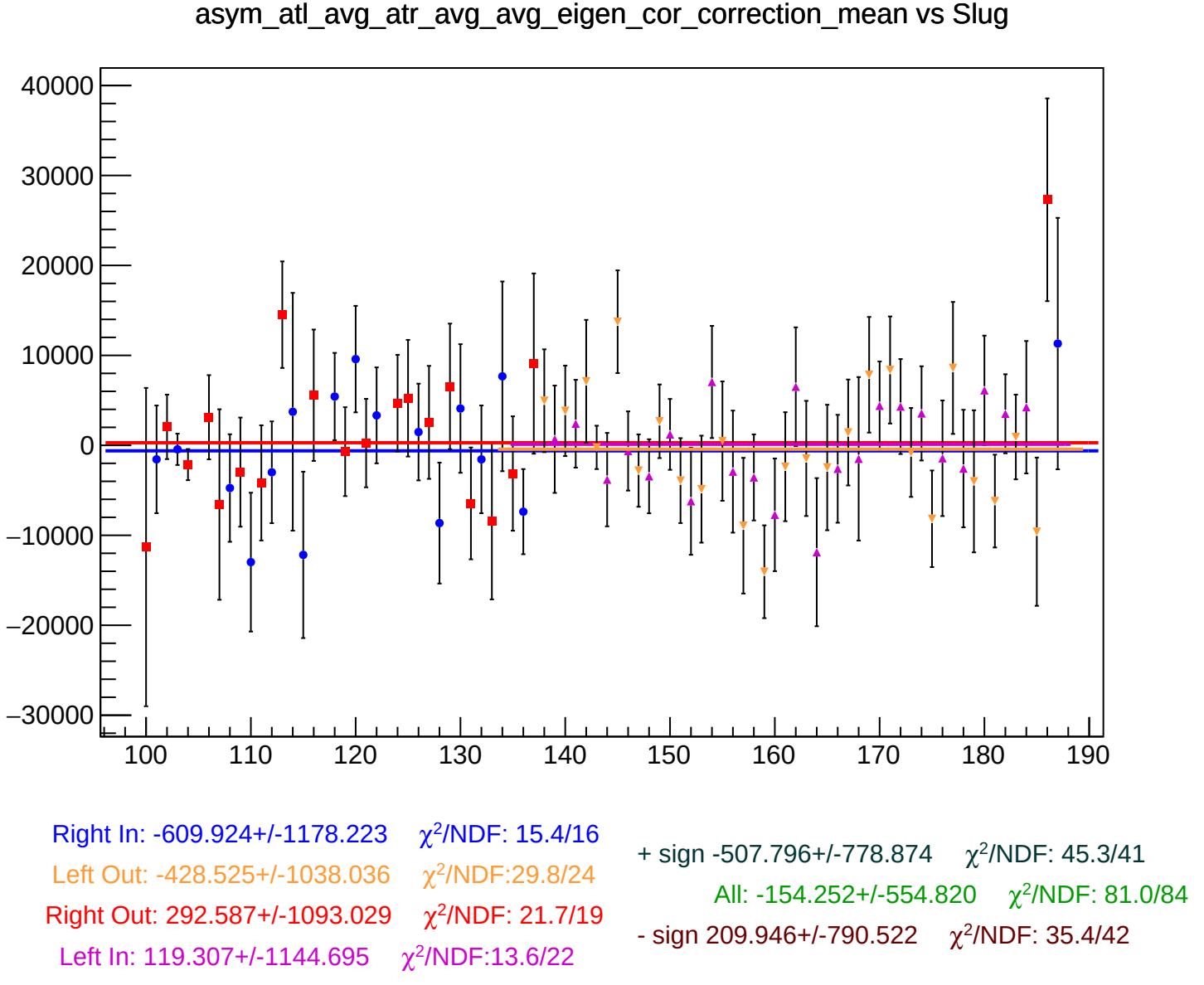
Right Out: 1321.340+/-0.341 χ^2/NDF: 328914.0/19

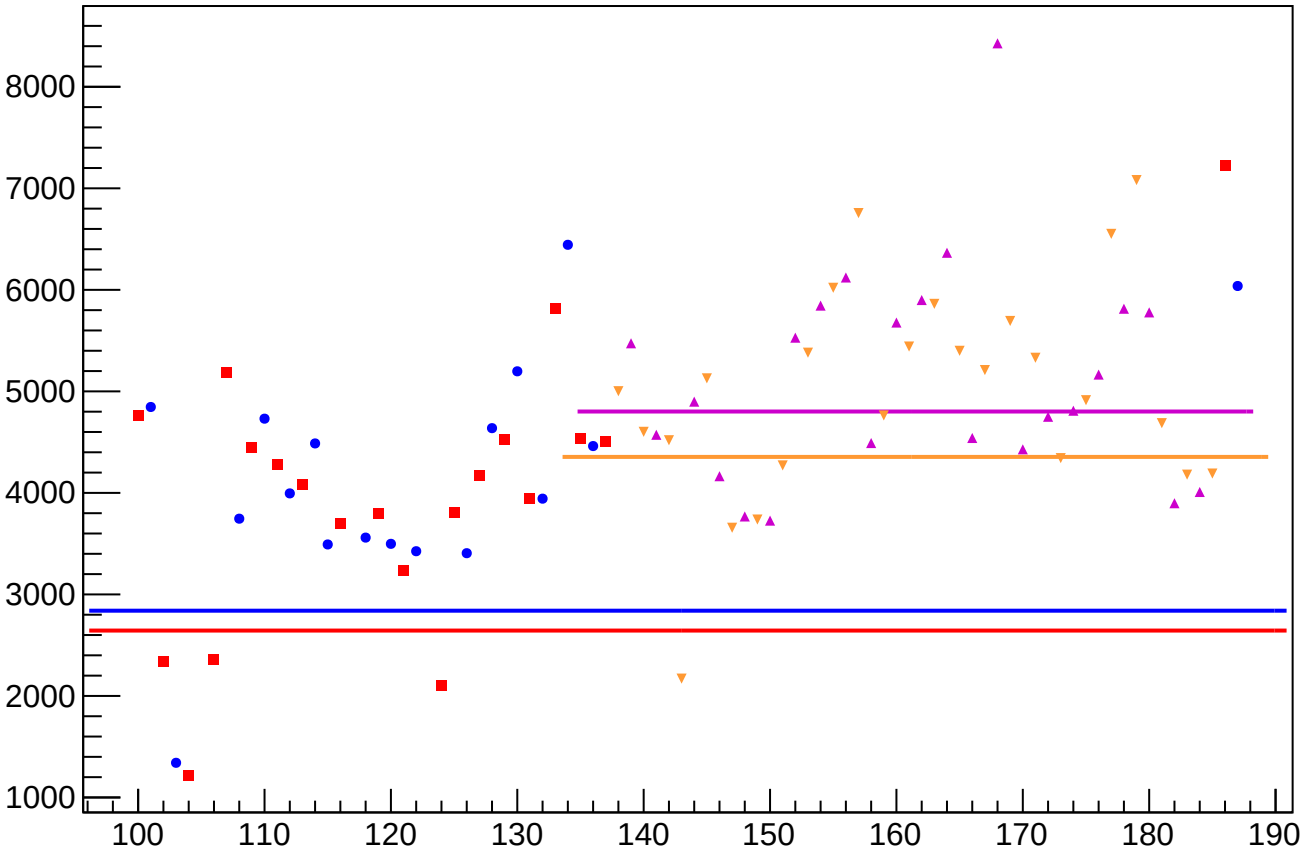
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.503+/-0.178 χ^2/NDF: 710501.1/41

All: 1290.023+/-0.126 χ^2/NDF: 1093804.3/84

- sign 1288.516+/-0.179 χ^2/NDF: 383163.0/42


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -609.924+/-1178.223 χ²/NDF: 15.4/16
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 292.587+/-1093.029 χ²/NDF: 21.7/19
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -507.796+/-778.874 χ²/NDF: 45.3/41
All: -154.252+/-554.820 χ²/NDF: 81.0/84
- sign 209.946+/-790.522 χ²/NDF: 35.4/42



Right In: 2839.677+/-0.833 χ^2/NDF: 3113057.3/16

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2643.999+/-0.773 χ^2/NDF: 3413925.2/19

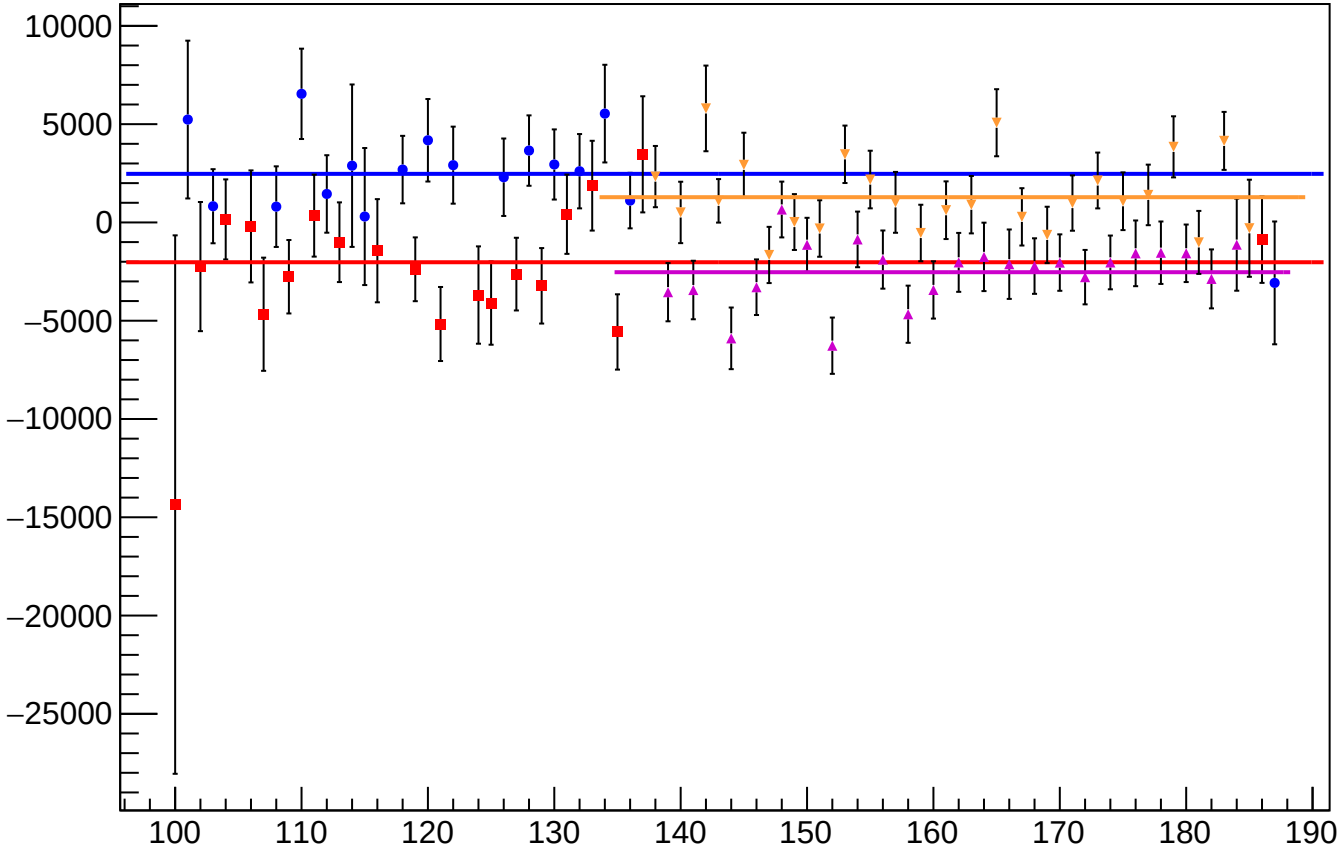
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 3692.532+/-0.551 χ^2/NDF: 8045879.1/41

All: 3682.909+/-0.392 χ^2/NDF: 16408919.4/8

- sign 3672.996+/-0.559 χ^2/NDF: 8362420.5/42

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2471.842+/-504.790 χ^2/NDF: 12.6/16

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2025.038+/-492.093 χ^2/NDF: 21.2/19

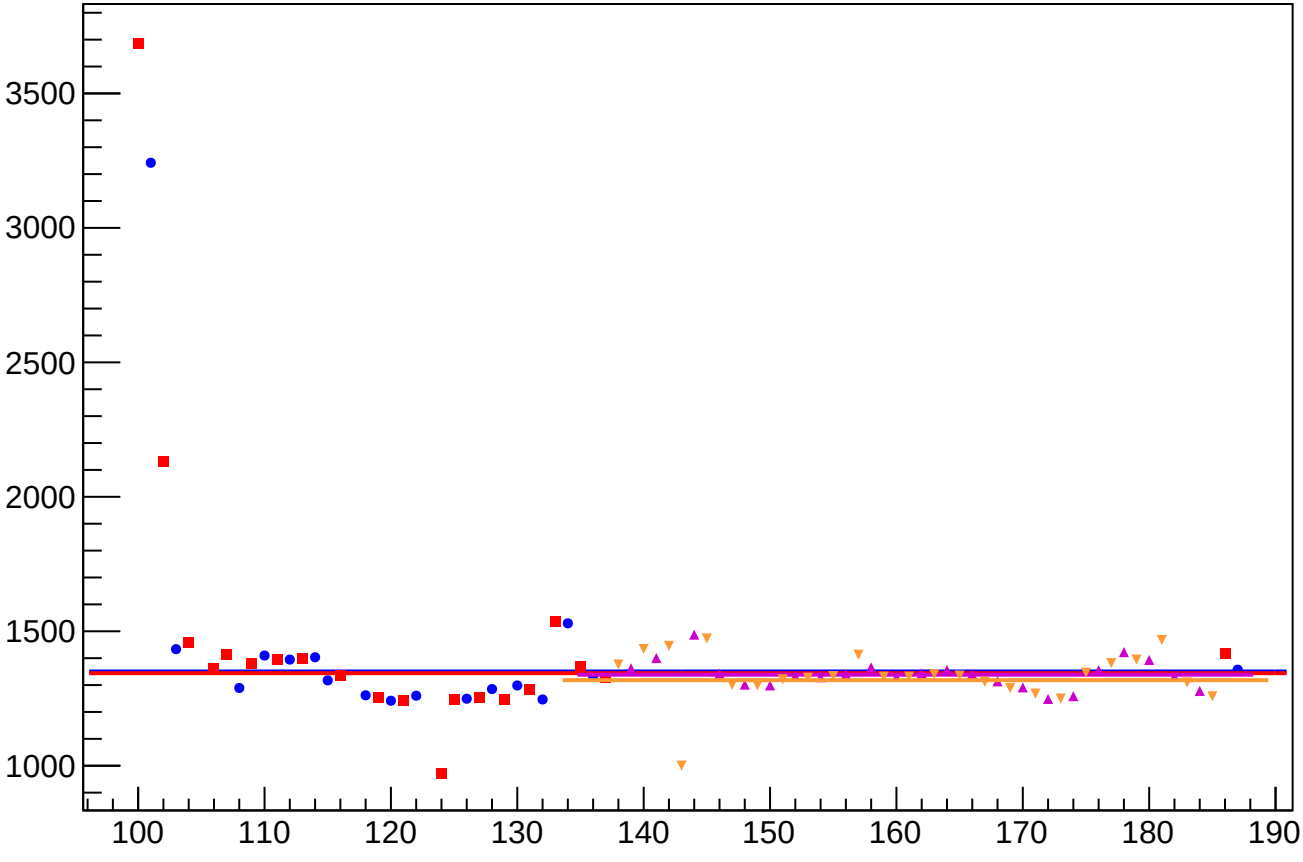
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1595.160+/-258.230 χ^2/NDF: 50.0/41

All: -351.128+/-184.614 χ^2/NDF: 213.2/84

- sign -2385.902+/-264.034 χ^2/NDF: 47.0/42

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.549+/-0.357 χ^2/NDF: 494060.5/16

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

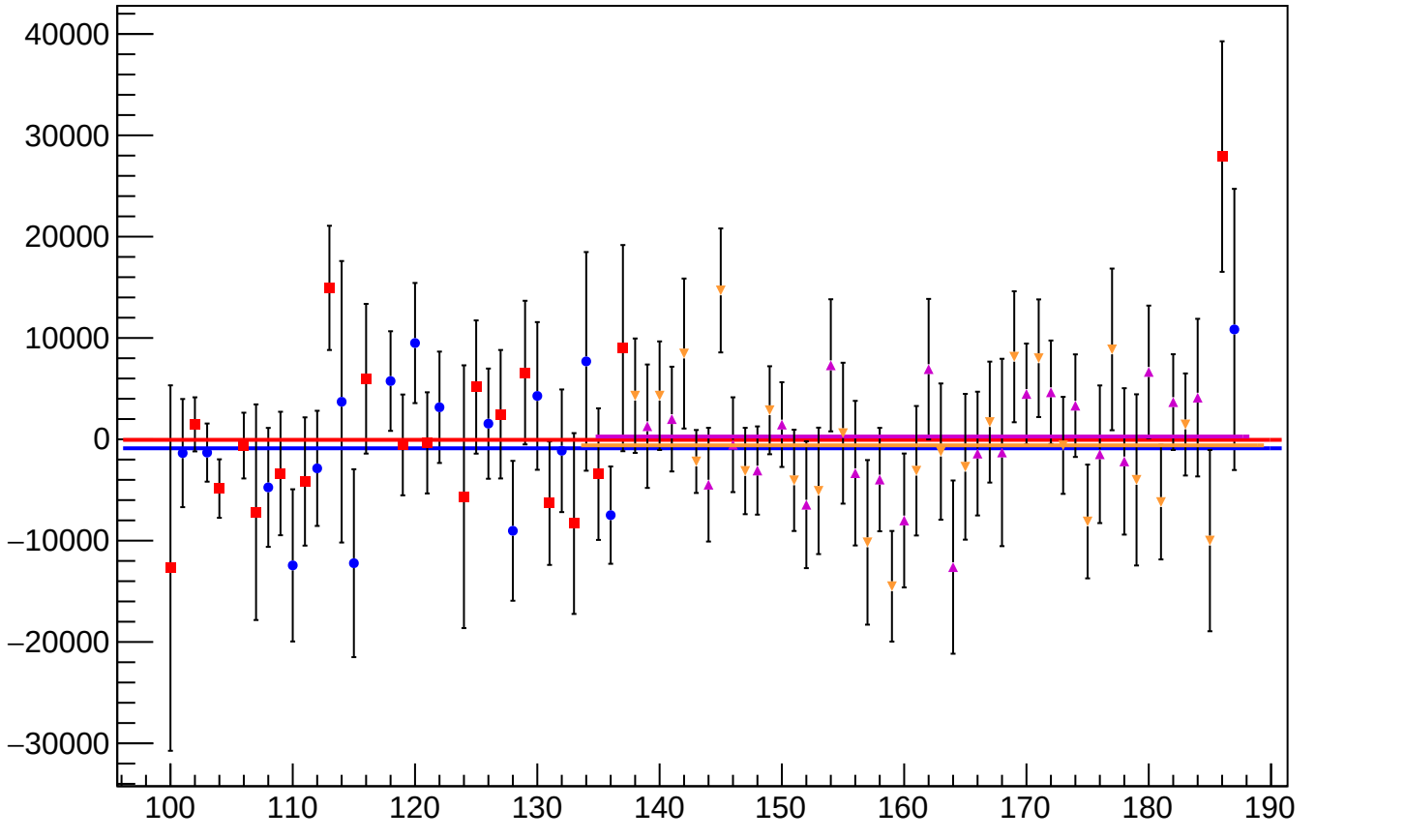
Right Out: 1344.196+/-0.348 χ^2/NDF: 274416.5/19

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1326.646+/-0.183 χ^2/NDF: 748681.9/41

All: 1333.281+/-0.131 χ^2/NDF: 1080230.6/84

- sign 1340.214+/-0.187 χ^2/NDF: 328849.1/42



Right In: -886.563+/-1397.317 χ^2/NDF: 15.3/16

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

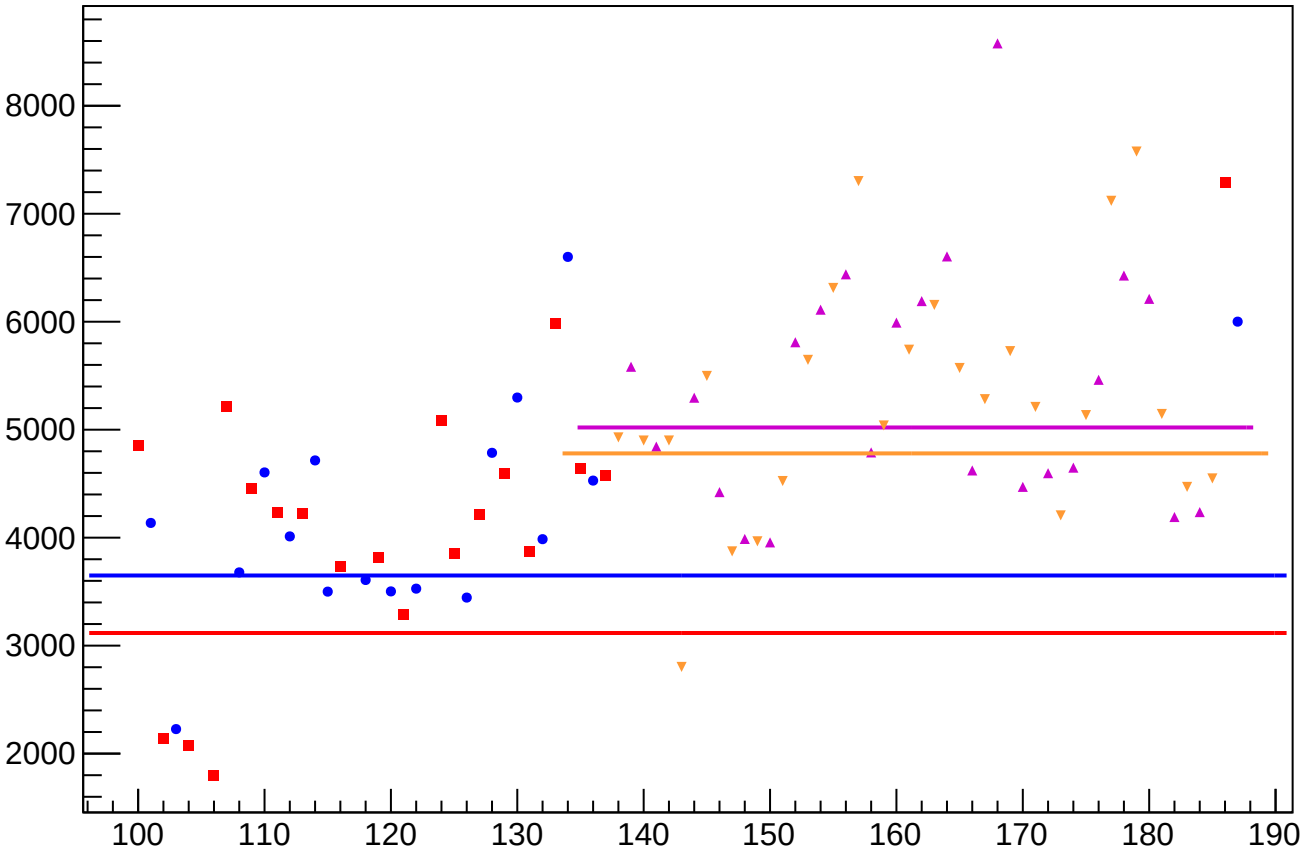
Right Out: -52.096+/-1195.835 χ^2/NDF: 22.3/19

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -709.279+/-875.003 χ^2/NDF: 44.9/41

All: -285.657+/-608.180 χ^2/NDF: 81.1/84

- sign 110.278+/-845.926 χ^2/NDF: 35.8/42



Right In: 3649.603+/-0.988 χ^2/NDF: 1002921.4/16

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

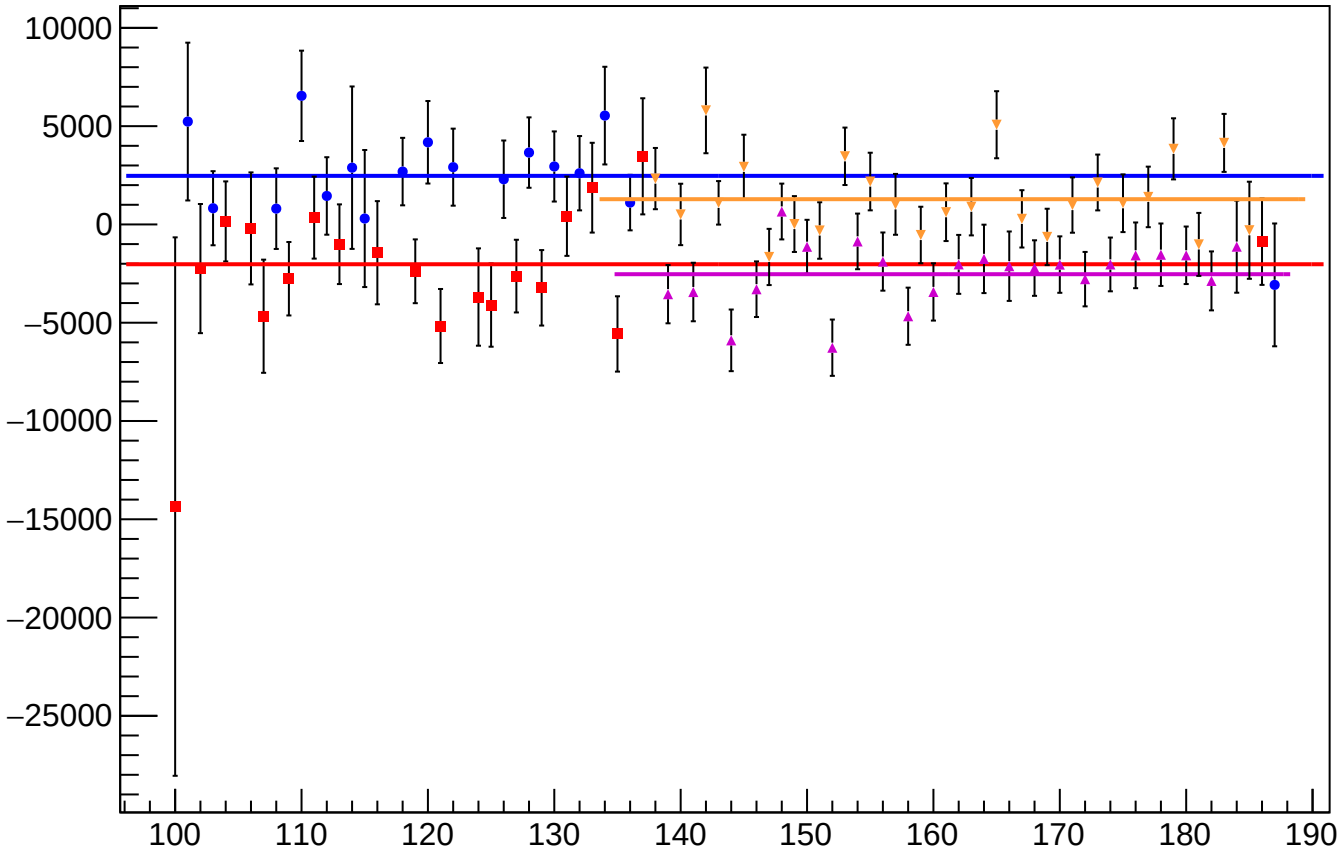
Right Out: 3117.024+/-0.846 χ^2/NDF: 2110227.1/19

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4336.979+/-0.619 χ^2/NDF: 3805358.5/41

All: 4197.957+/-0.430 χ^2/NDF: 9770140.5/84

- sign 4068.021+/-0.598 χ^2/NDF: 5867107.9/42



Right In: 2471.843+/-504.790 χ^2/NDF: 12.6/16

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2025.043+/-492.093 χ^2/NDF: 21.2/19

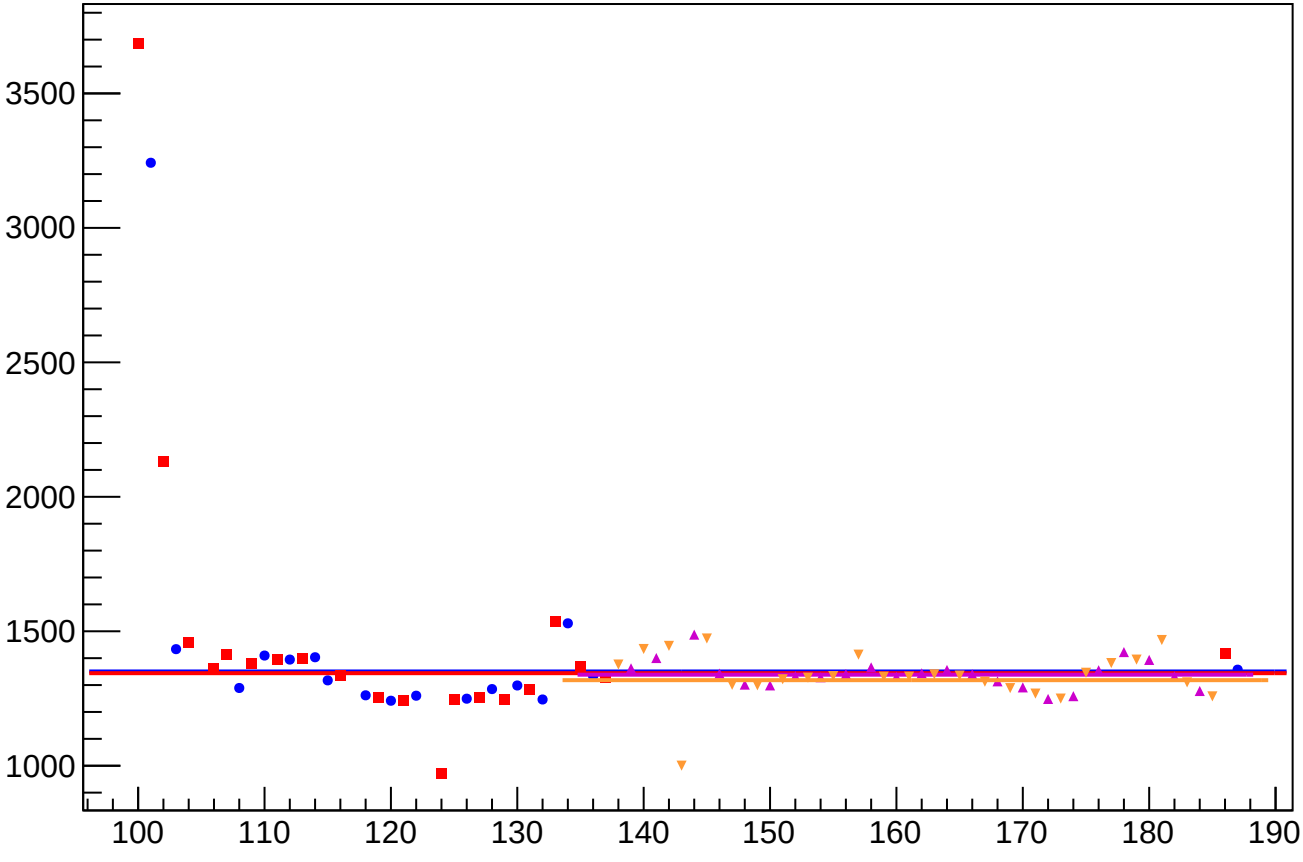
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1595.157+/-258.230 χ^2/NDF: 50.0/41

All: -351.130+/-184.614 χ^2/NDF: 213.2/84

- sign -2385.903+/-264.035 χ^2/NDF: 47.0/42

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1350.548+/-0.357 χ^2/NDF: 494060.6/16

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

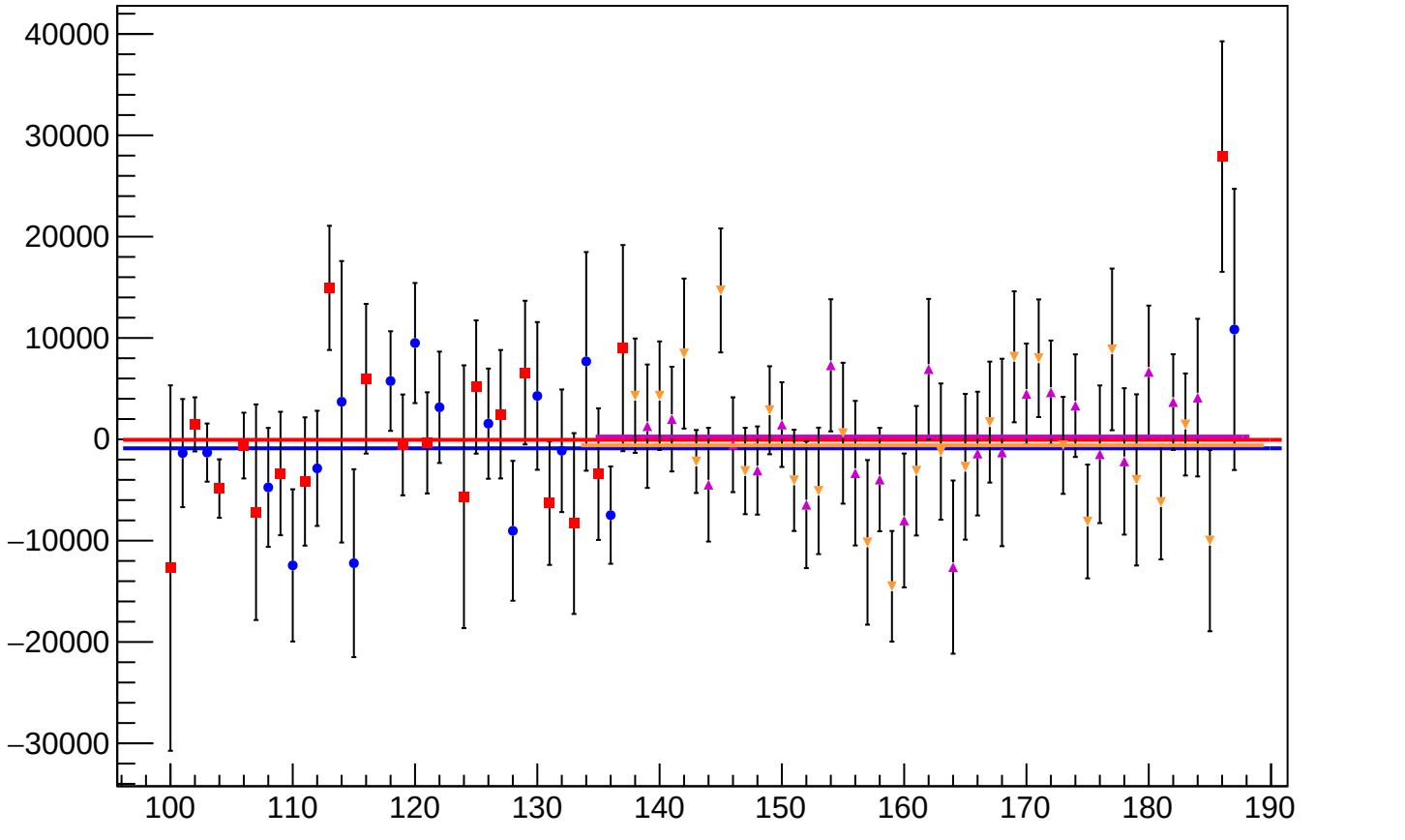
Right Out: 1344.195+/-0.348 χ^2/NDF: 274415.5/19

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1326.647+/-0.183 χ^2/NDF: 748683.9/41

All: 1333.281+/-0.131 χ^2/NDF: 1080234.0/84

- sign 1340.215+/-0.187 χ^2/NDF: 328850.5/42



Right In: -886.555+/-1397.314 χ^2/NDF: 15.3/16

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

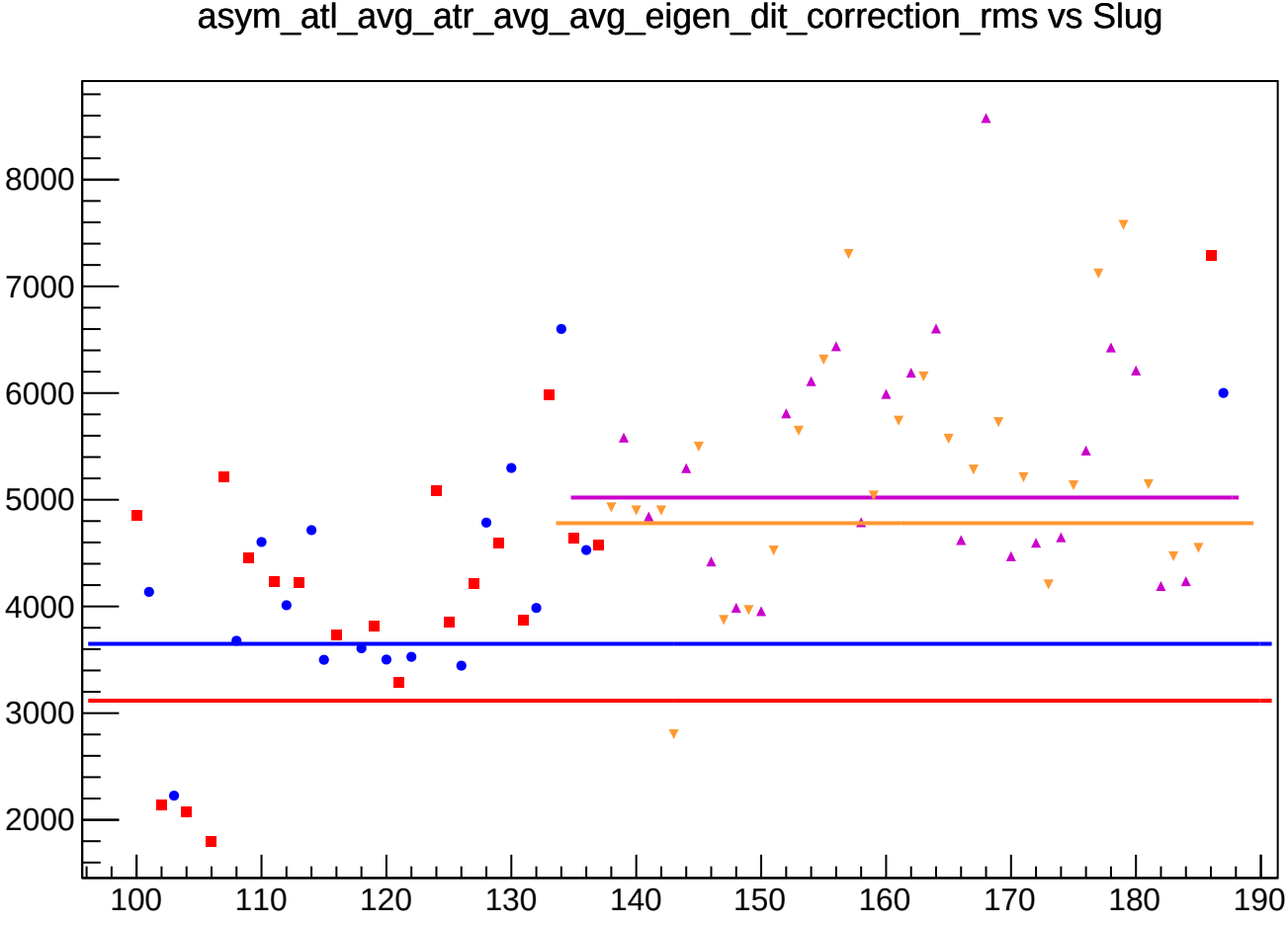
Right Out: -52.098+/-1195.832 χ^2/NDF: 22.3/19

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -709.279+/-875.003 χ^2/NDF: 44.9/41

All: -285.657+/-608.179 χ^2/NDF: 81.1/84

- sign 110.277+/-845.925 χ^2/NDF: 35.8/42



Right In: 3649.594+/-0.988 χ^2/NDF: 1002924.3/16

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3117.015+/-0.846 χ^2/NDF: 2110230.8/19

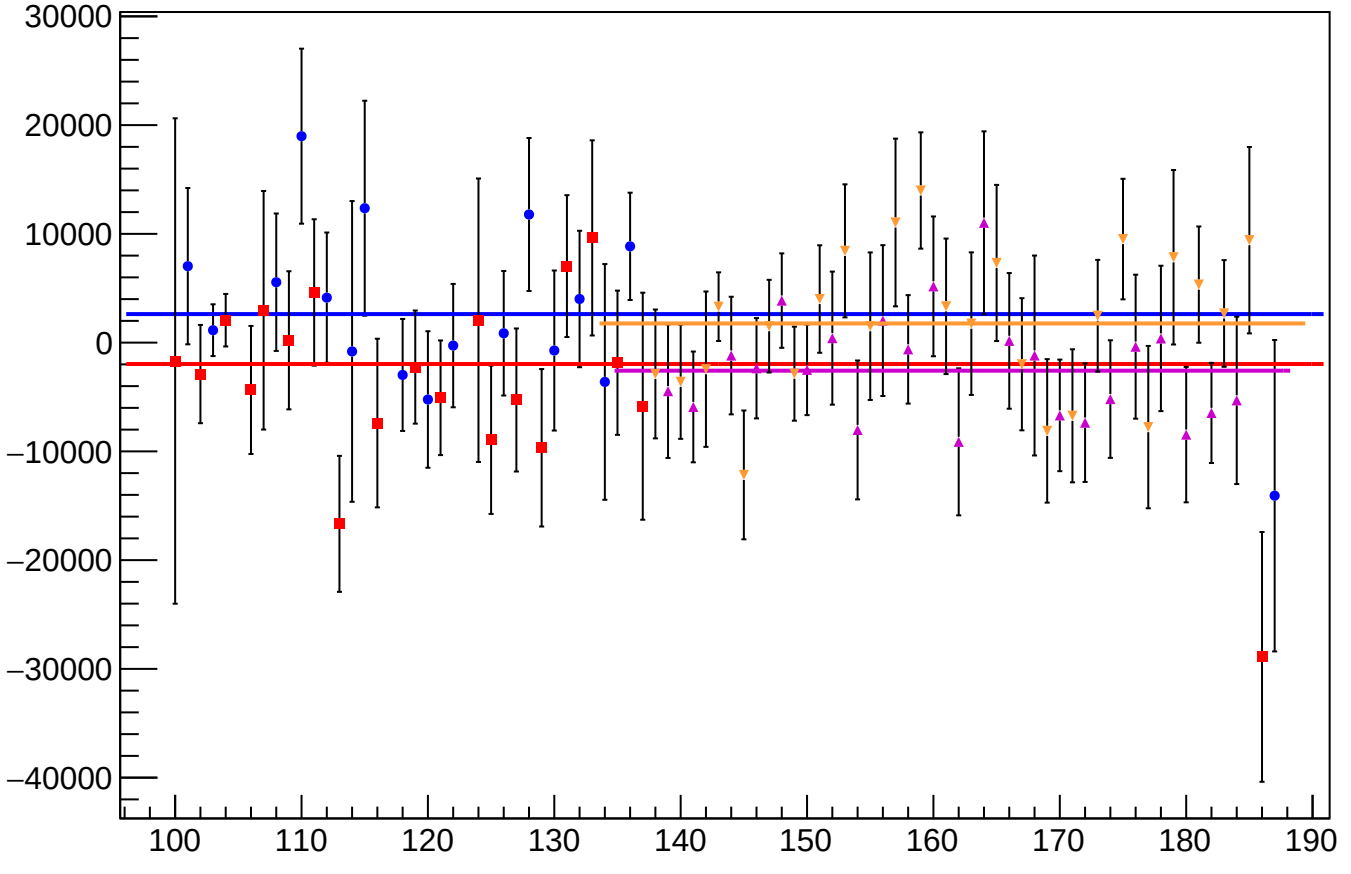
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4336.978+/-0.619 χ^2/NDF: 3805387.7/41

All: 4197.954+/-0.430 χ^2/NDF: 9770225.5/84

- sign 4068.016+/-0.598 χ^2/NDF: 5867161.0/42

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2623.682+/-1382.945 χ^2/NDF: 14.5/16

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -1967.588+/-1328.049 χ^2/NDF: 22.4/19

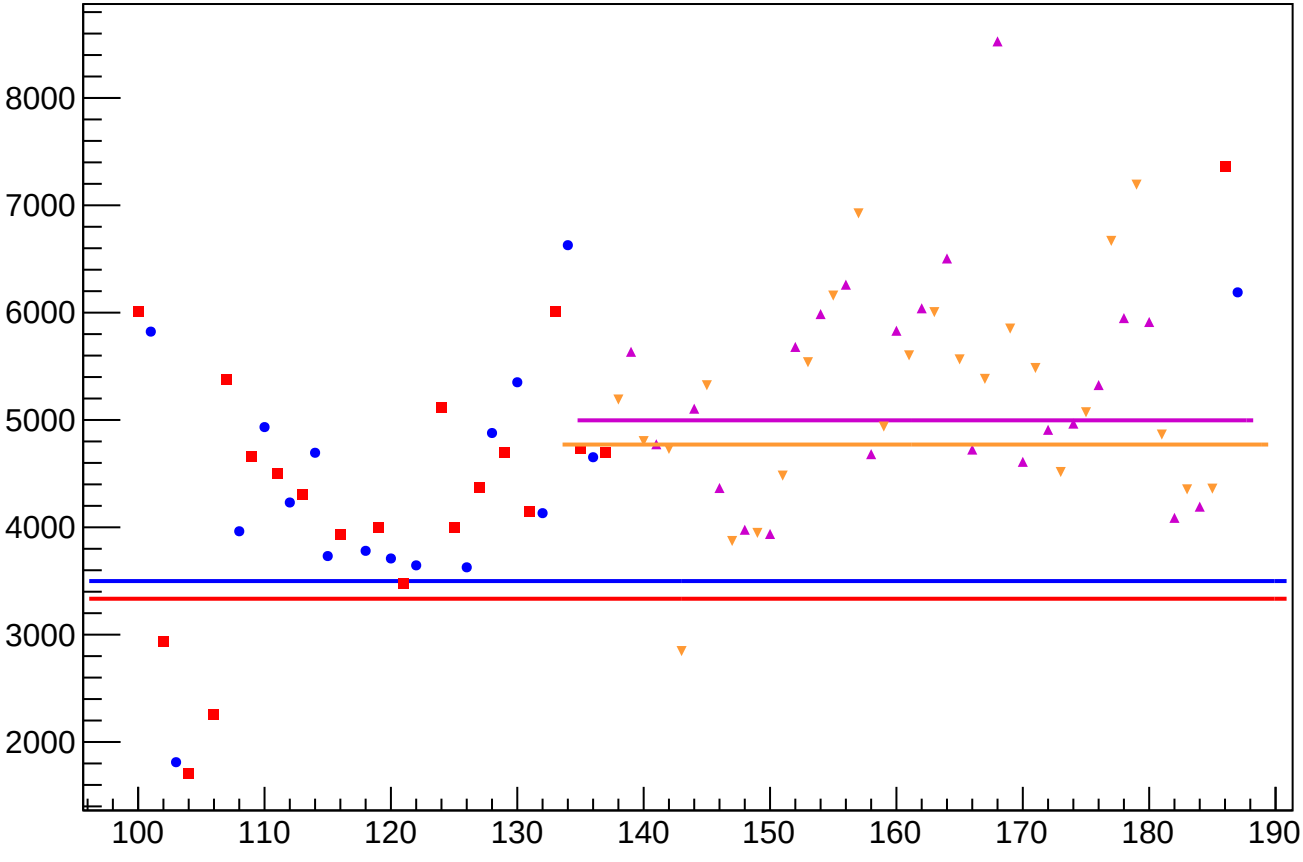
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

\+ sign 2101.726+/-868.597 χ^2/NDF: 42.5/41

All: -60.181+/-620.120 χ^2/NDF: 90.8/84

\- sign -2307.641+/-885.616 χ^2/NDF: 35.8/42

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3499.219+/-0.978 χ^2/NDF: 1915187.3/16

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

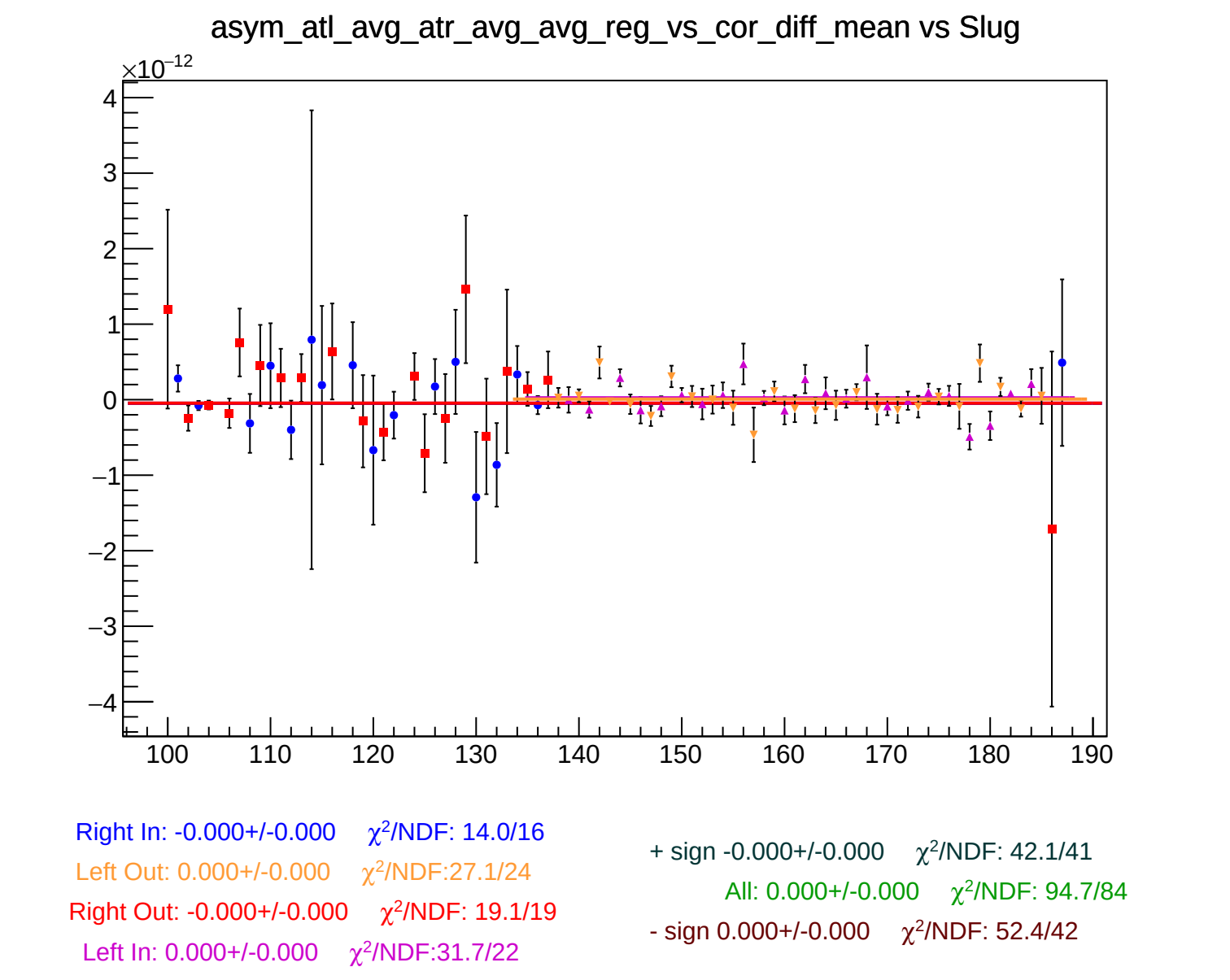
Right Out: 3334.579+/-0.926 χ^2/NDF: 2124689.4/19

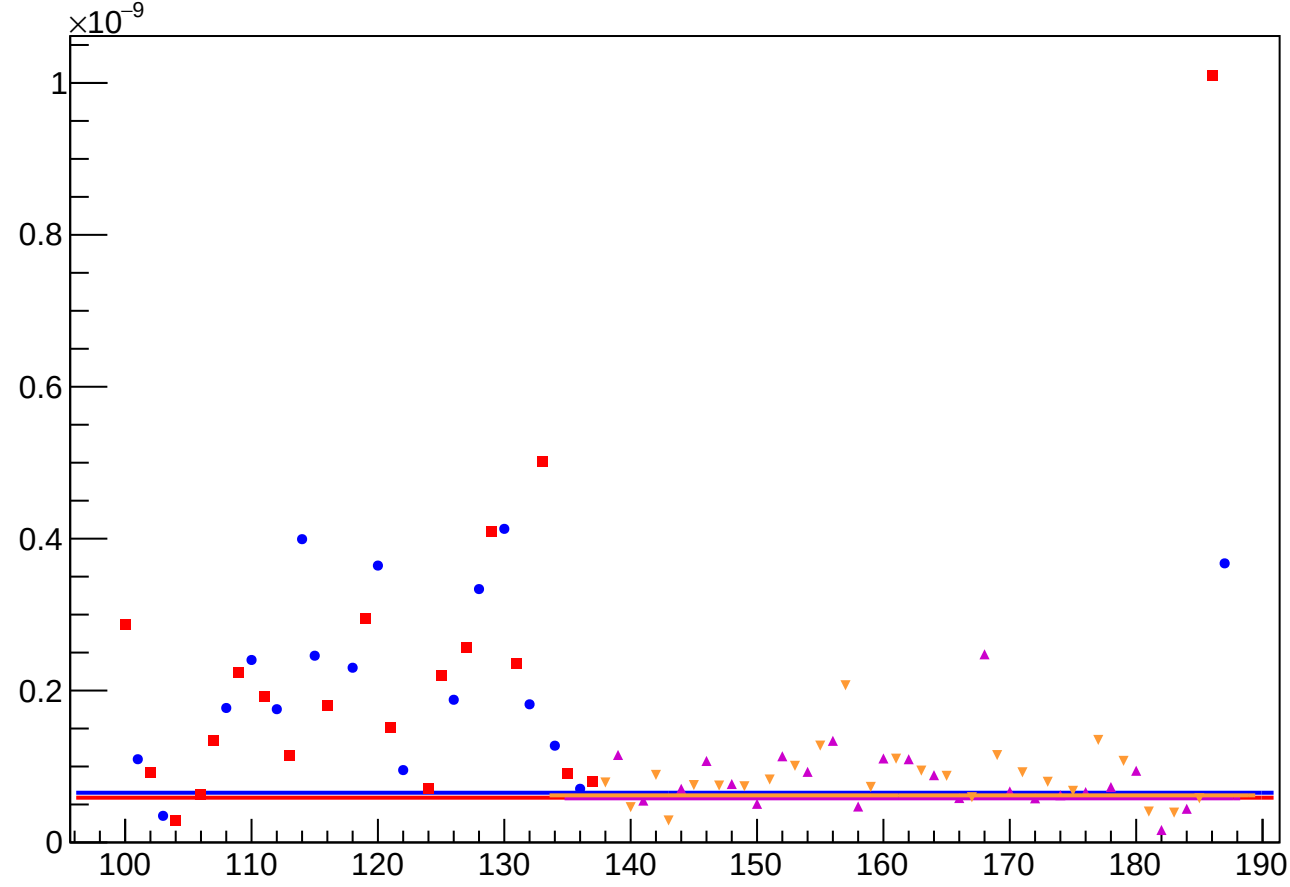
Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4269.410+/-0.614 χ^2/NDF: 4726741.7/41

All: 4258.063+/-0.437 χ^2/NDF: 9713950.0/84

- sign 4246.410+/-0.622 χ^2/NDF: 4986516.5/42


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.0/16
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.1/19
Left In: 0.000+/-0.000 χ²/NDF:31.7/22
+ sign -0.000+/-0.000 χ²/NDF: 42.1/41
All: 0.000+/-0.000 χ²/NDF: 94.7/84
- sign 0.000+/-0.000 χ²/NDF: 52.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 2743289.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

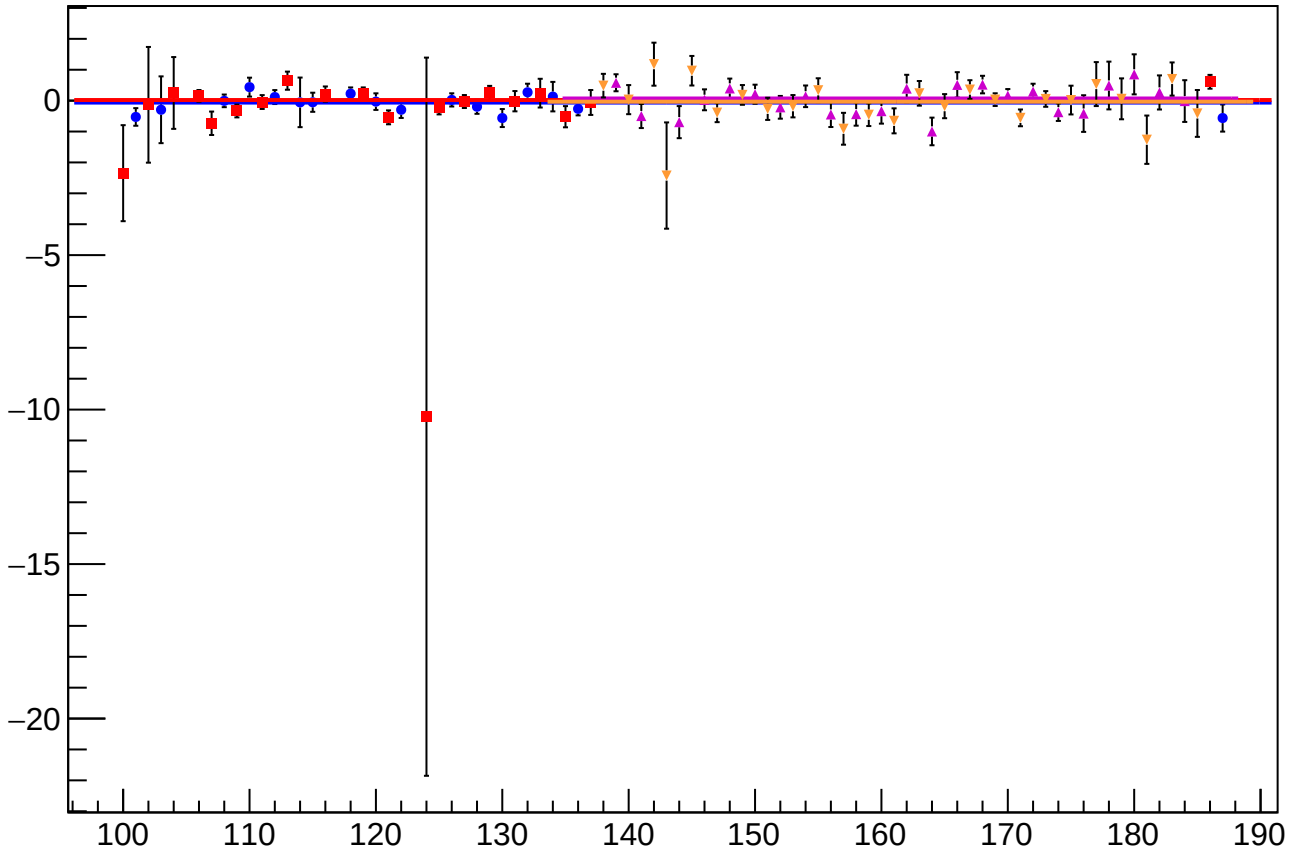
Right Out: 0.000+/-0.000 χ^2/NDF: 3182790.1/19

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5194519.0/41

All: 0.000+/-0.000 χ^2/NDF: 11382745.8/84

- sign 0.000+/-0.000 χ^2/NDF: 6149849.0/42



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

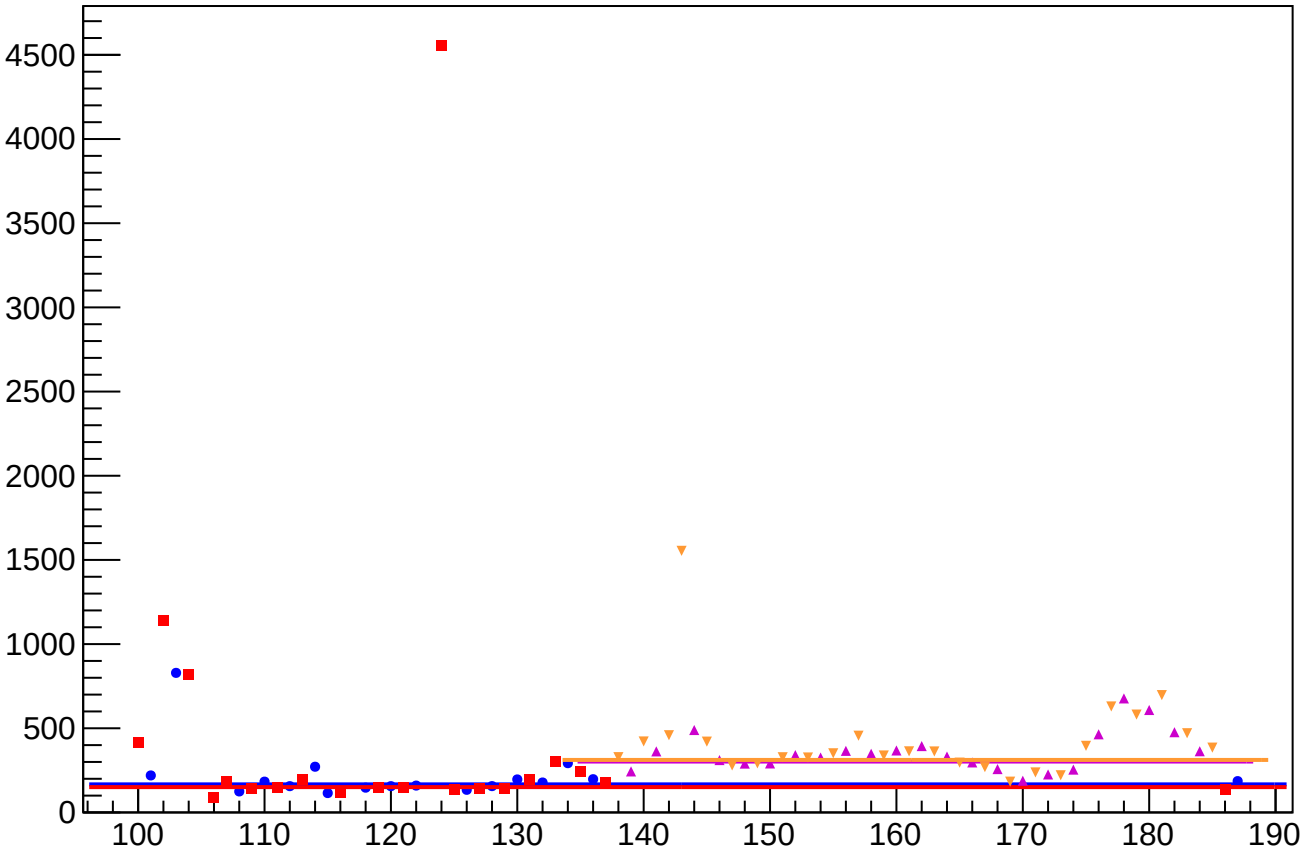
Right Out: 0.019+/-0.062 χ^2/NDF: 35.1/19

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.051+/-0.050 χ^2/NDF: 48.8/41

All: -0.003+/-0.034 χ^2/NDF: 115.8/84

- sign 0.039+/-0.048 χ^2/NDF: 65.3/42



Right In: 166.806+/-0.047 χ^2/NDF: 1286680.0/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

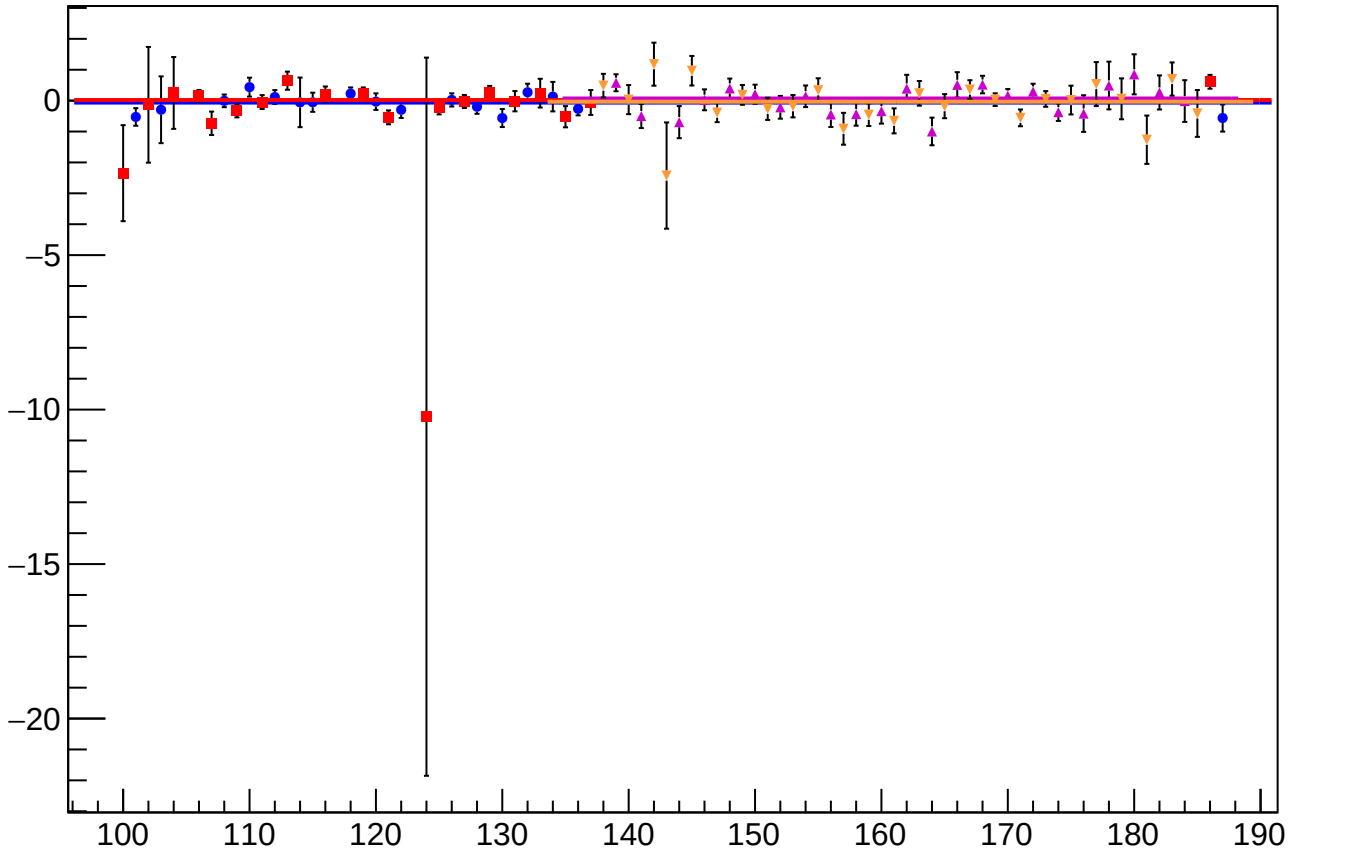
Right Out: 150.539+/-0.044 χ^2/NDF: 2325737.1/19

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.553+/-0.035 χ^2/NDF: 9755697.5/41

All: 219.727+/-0.024 χ^2/NDF: 19915099.4/84

- sign 211.747+/-0.034 χ^2/NDF: 10040788.8/42



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

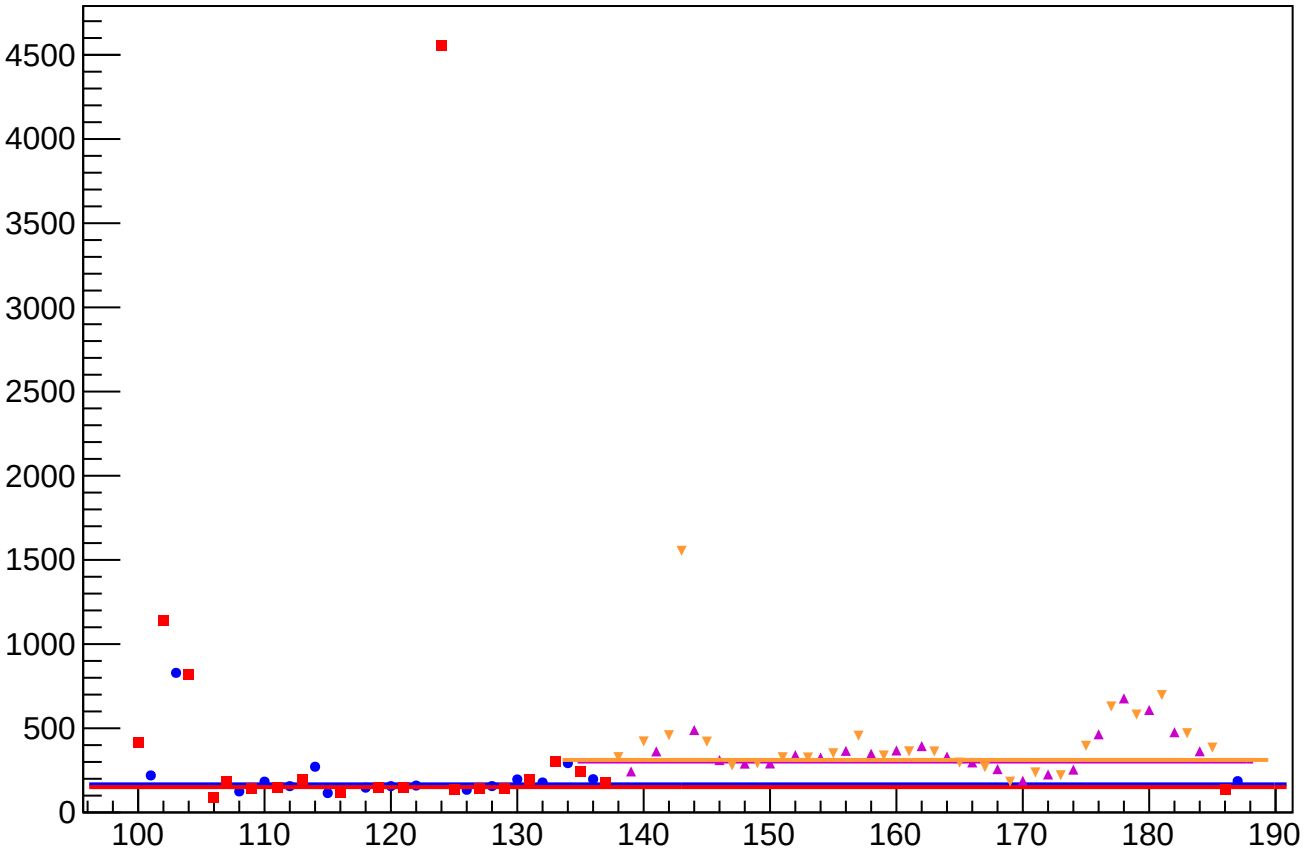
Right Out: 0.019+/-0.062 χ^2/NDF: 35.1/19

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.051+/-0.050 χ^2/NDF: 48.8/41

All: -0.003+/-0.034 χ^2/NDF: 115.8/84

- sign 0.039+/-0.048 χ^2/NDF: 65.3/42



Right In: 166.806+/-0.047 χ^2/NDF: 1286680.0/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

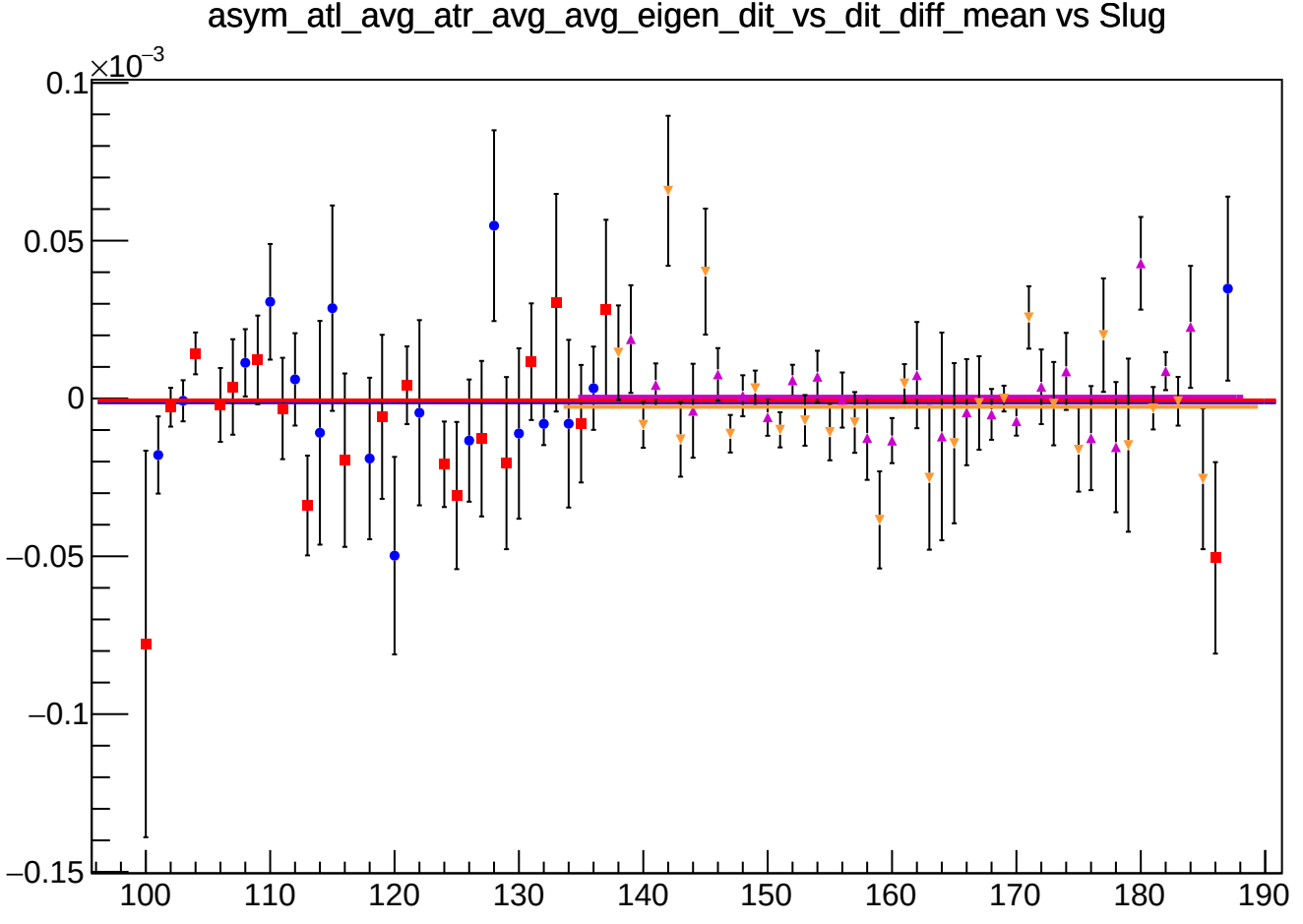
Right Out: 150.539+/-0.044 χ^2/NDF: 2325737.1/19

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 228.553+/-0.035 χ^2/NDF: 9755697.5/41

All: 219.727+/-0.024 χ^2/NDF: 19915099.4/84

- sign 211.747+/-0.034 χ^2/NDF: 10040788.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

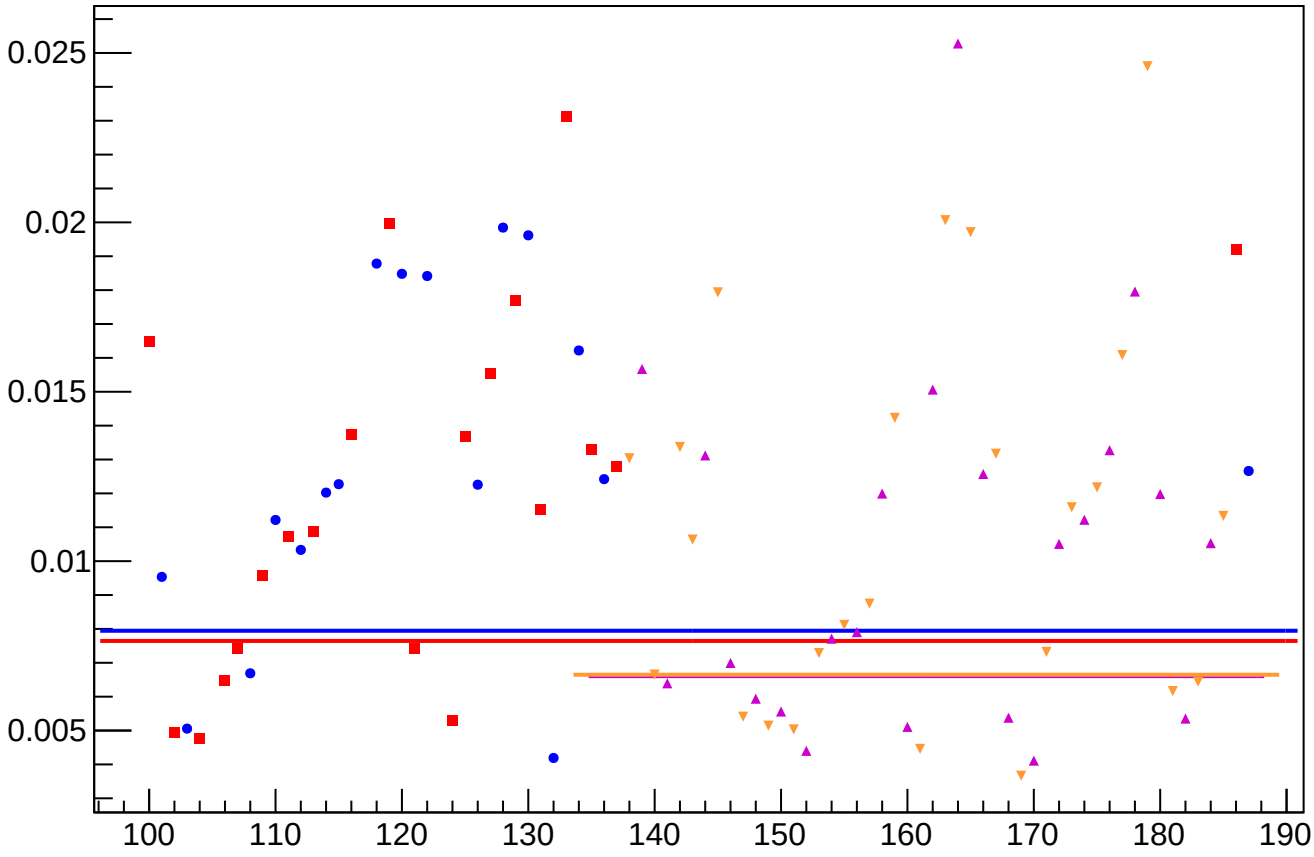
Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/19

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/41

All: -0.000+/-0.000 χ^2/NDF: 110.6/84

- sign 0.000+/-0.000 χ^2/NDF: 49.6/42



Right In: 0.008+/-0.000 χ^2/NDF: 3354777.9/16

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

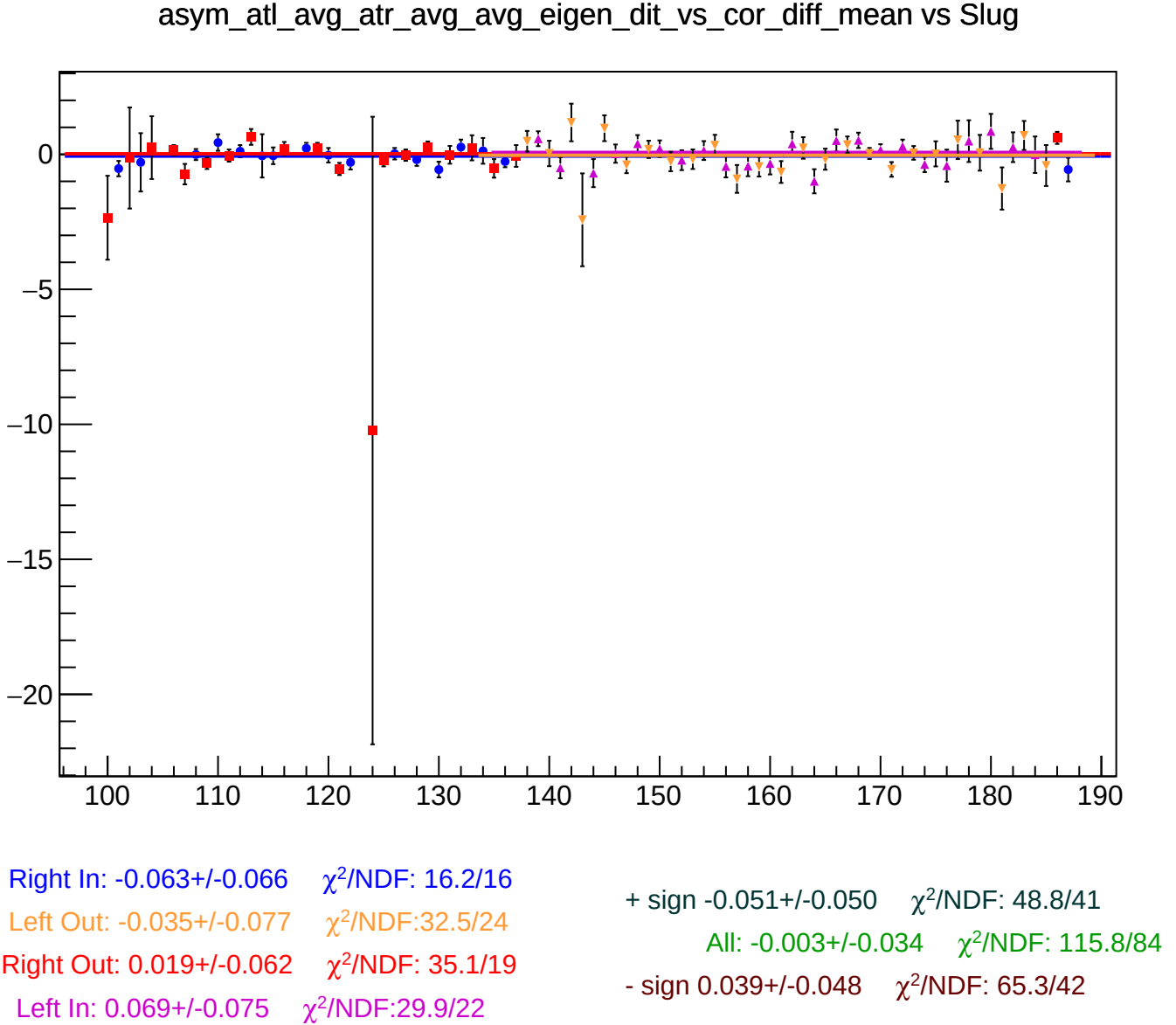
Right Out: 0.008+/-0.000 χ^2/NDF: 3269003.7/19

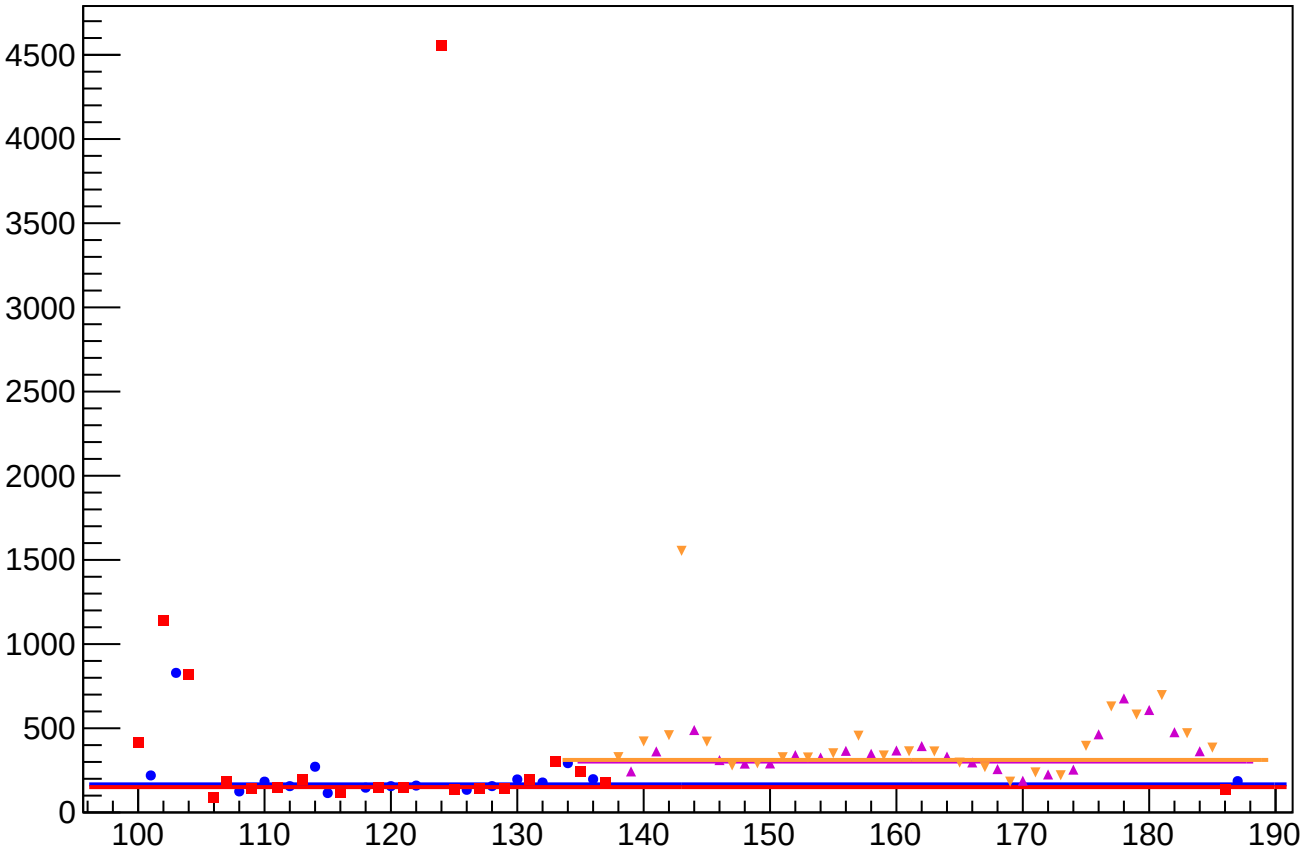
Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 11102305.4/41

All: 0.007+/-0.000 χ^2/NDF: 20396106.4/84

- sign 0.007+/-0.000 χ^2/NDF: 9292347.0/42


asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
180
190
Right In: -0.063+/-0.066 χ²/NDF: 16.2/16
Left Out: -0.035+/-0.077 χ²/NDF:32.5/24
Right Out: 0.019+/-0.062 χ²/NDF: 35.1/19
Left In: 0.069+/-0.075 χ²/NDF:29.9/22
+ sign -0.051+/-0.050 χ²/NDF: 48.8/41
All: -0.003+/-0.034 χ²/NDF: 115.8/84
- sign 0.039+/-0.048 χ²/NDF: 65.3/42



Right In: 166.805+/-0.047 χ^2/NDF: 1286676.9/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

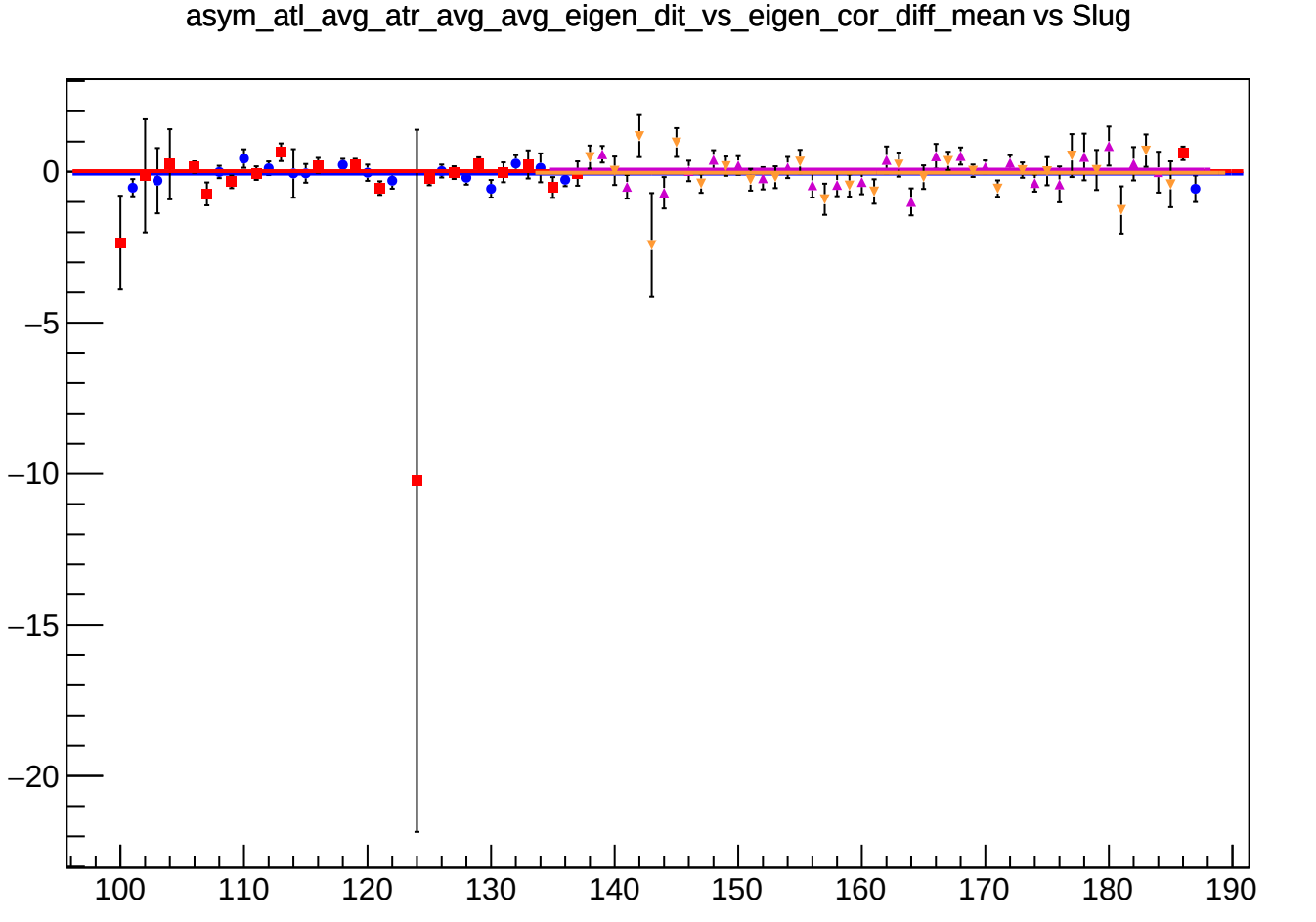
Right Out: 150.537+/-0.044 χ^2/NDF: 2325752.5/19

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.552+/-0.035 χ^2/NDF: 9755950.7/41

All: 219.726+/-0.024 χ^2/NDF: 19915764.1/84

- sign 211.745+/-0.034 χ^2/NDF: 10041181.0/42



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

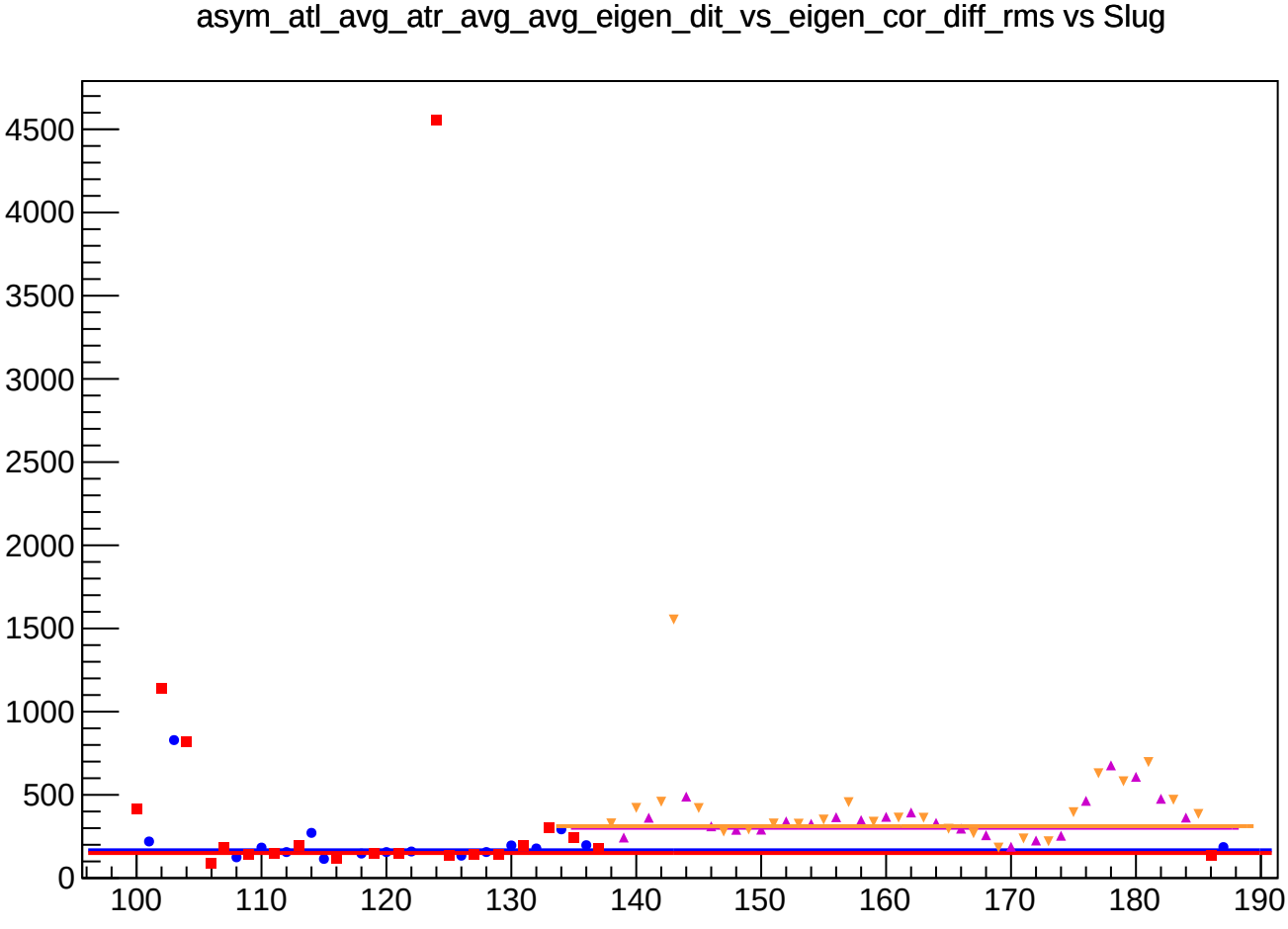
Right Out: 0.019+/-0.062 χ^2/NDF: 35.1/19

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.051+/-0.050 χ^2/NDF: 48.8/41

All: -0.003+/-0.034 χ^2/NDF: 115.8/84

- sign 0.039+/-0.048 χ^2/NDF: 65.3/42



Right In: 166.805+/-0.047 χ^2/NDF: 1286676.9/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

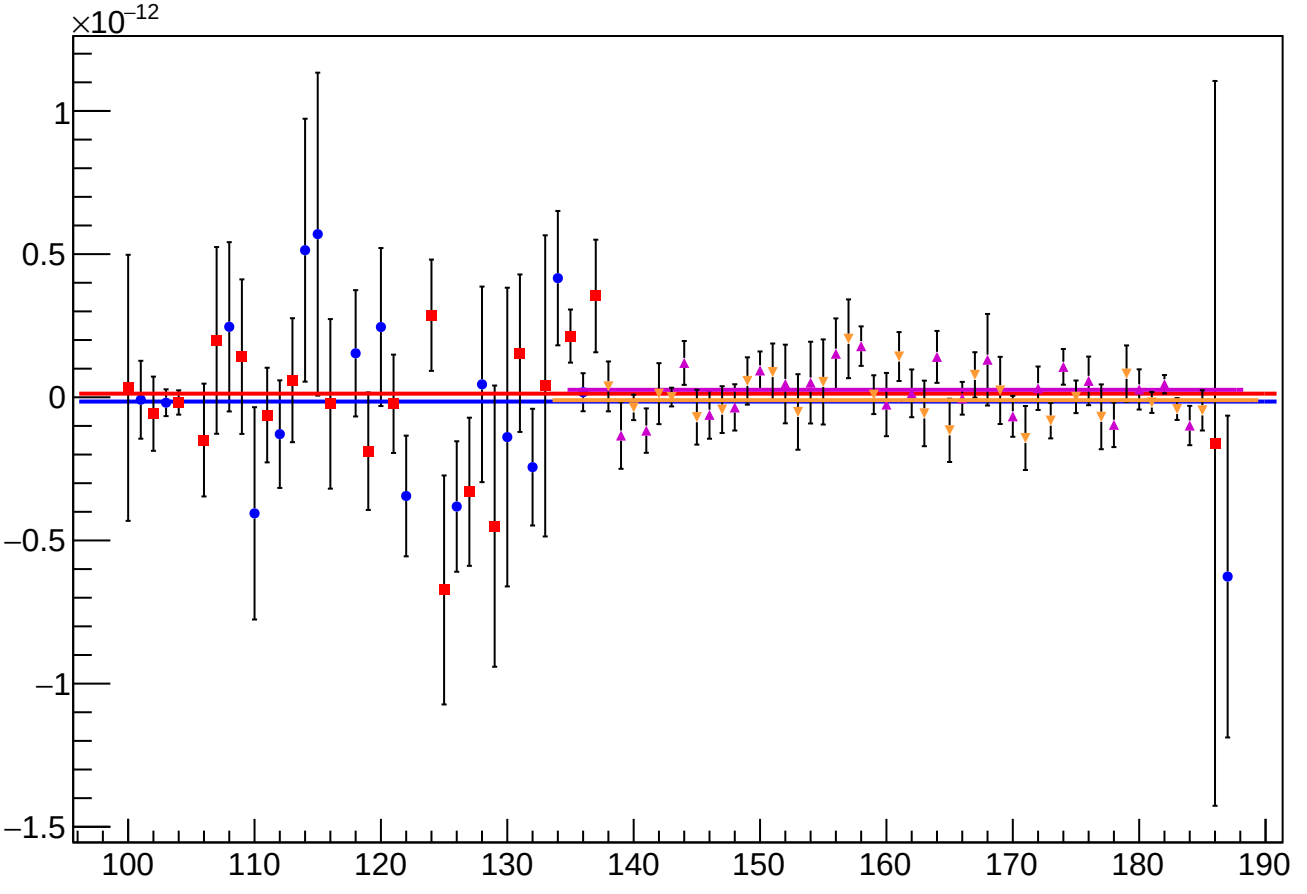
Right Out: 150.537+/-0.044 χ^2/NDF: 2325752.5/19

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 228.552+/-0.035 χ^2/NDF: 9755950.7/41

All: 219.726+/-0.024 χ^2/NDF: 19915764.1/84

- sign 211.745+/-0.034 χ^2/NDF: 10041181.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

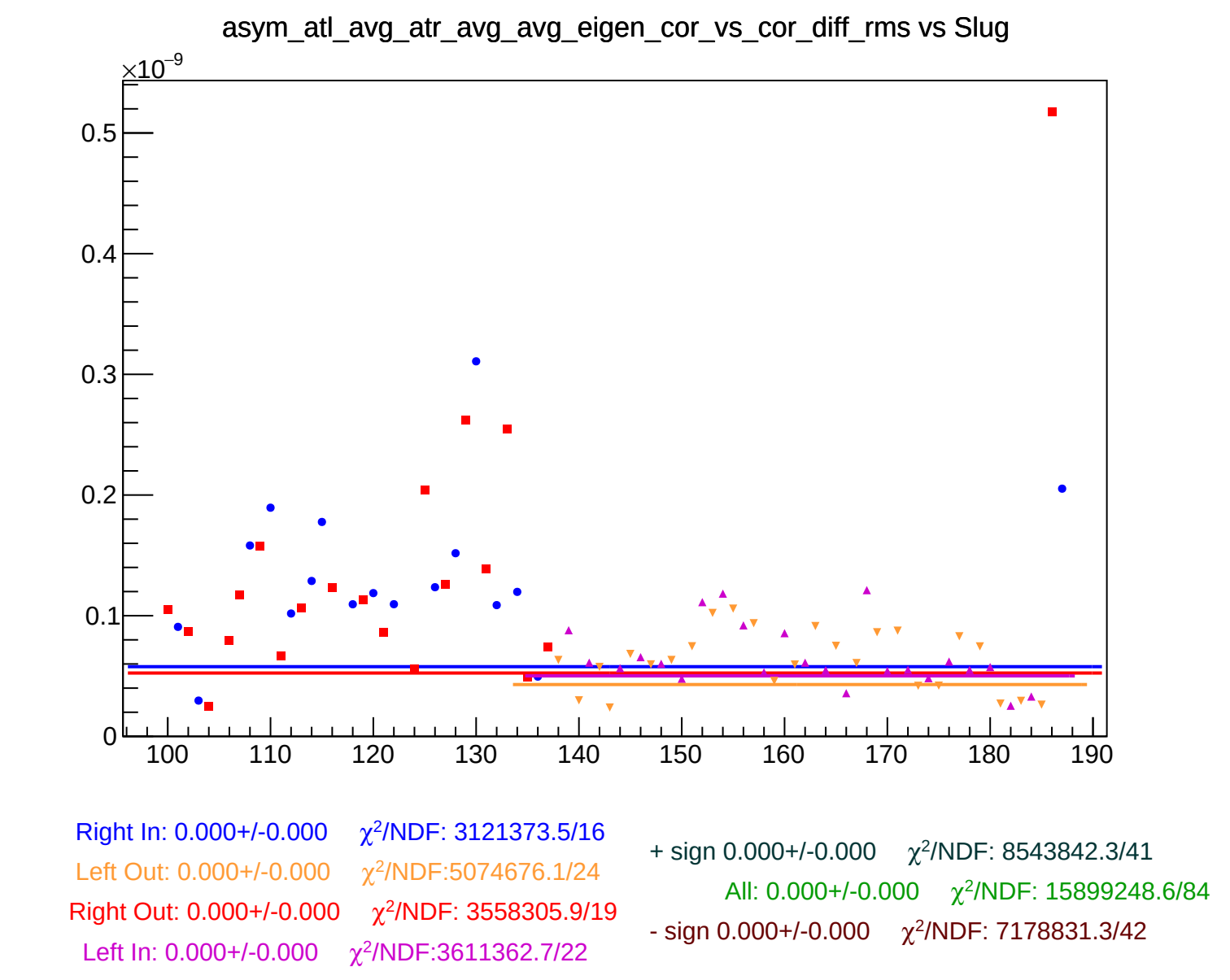
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

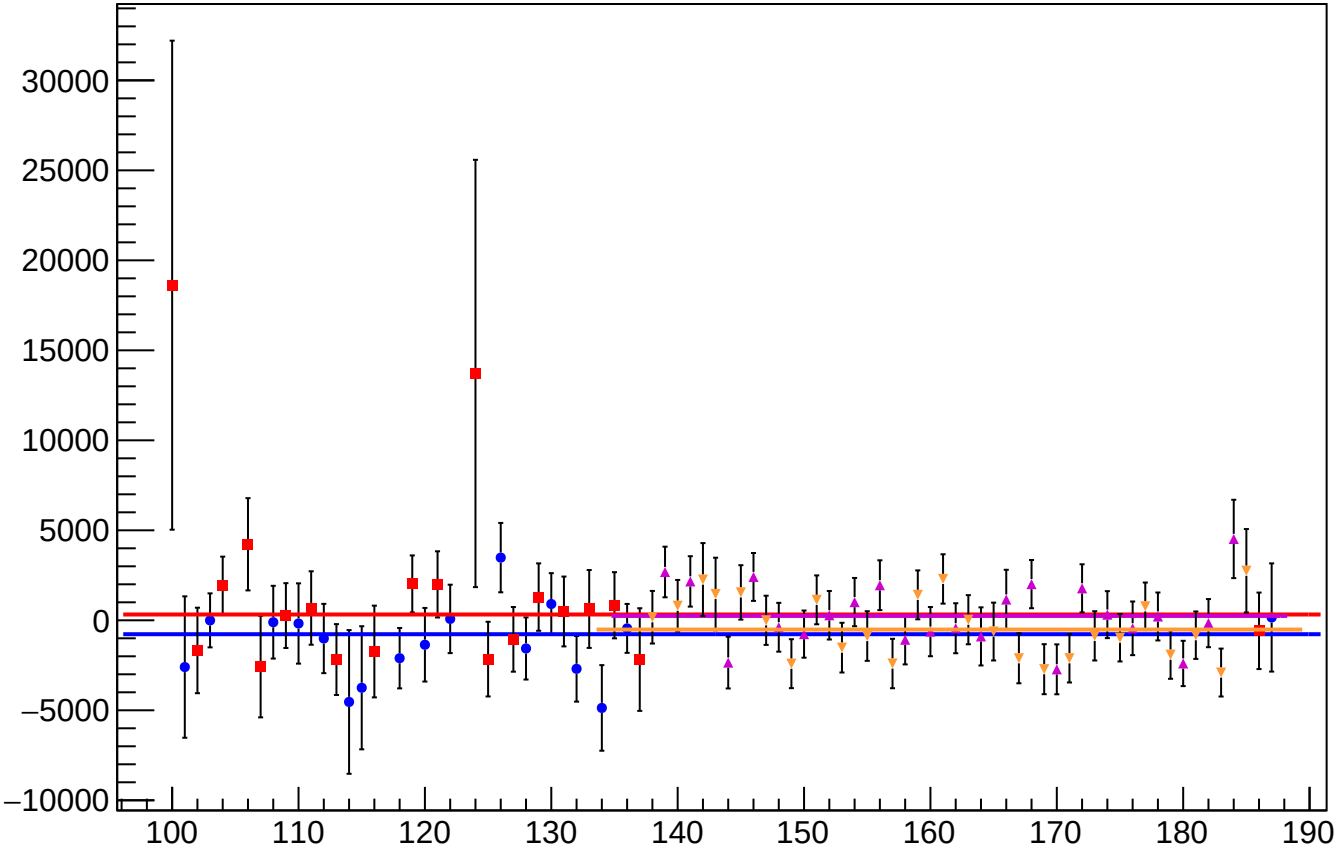
+ sign -0.000+/-0.000 χ^2/NDF: 33.5/41

All: 0.000+/-0.000 χ^2/NDF: 83.6/84

- sign 0.000+/-0.000 χ^2/NDF: 46.6/42


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3121373.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 3558305.9/19
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
+ sign 0.000+/-0.000 χ²/NDF: 8543842.3/41
All: 0.000+/-0.000 χ²/NDF: 15899248.6/84
- sign 0.000+/-0.000 χ²/NDF: 7178831.3/42

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -772.835+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 322.583+/-473.608 χ^2/NDF: 15.8/19

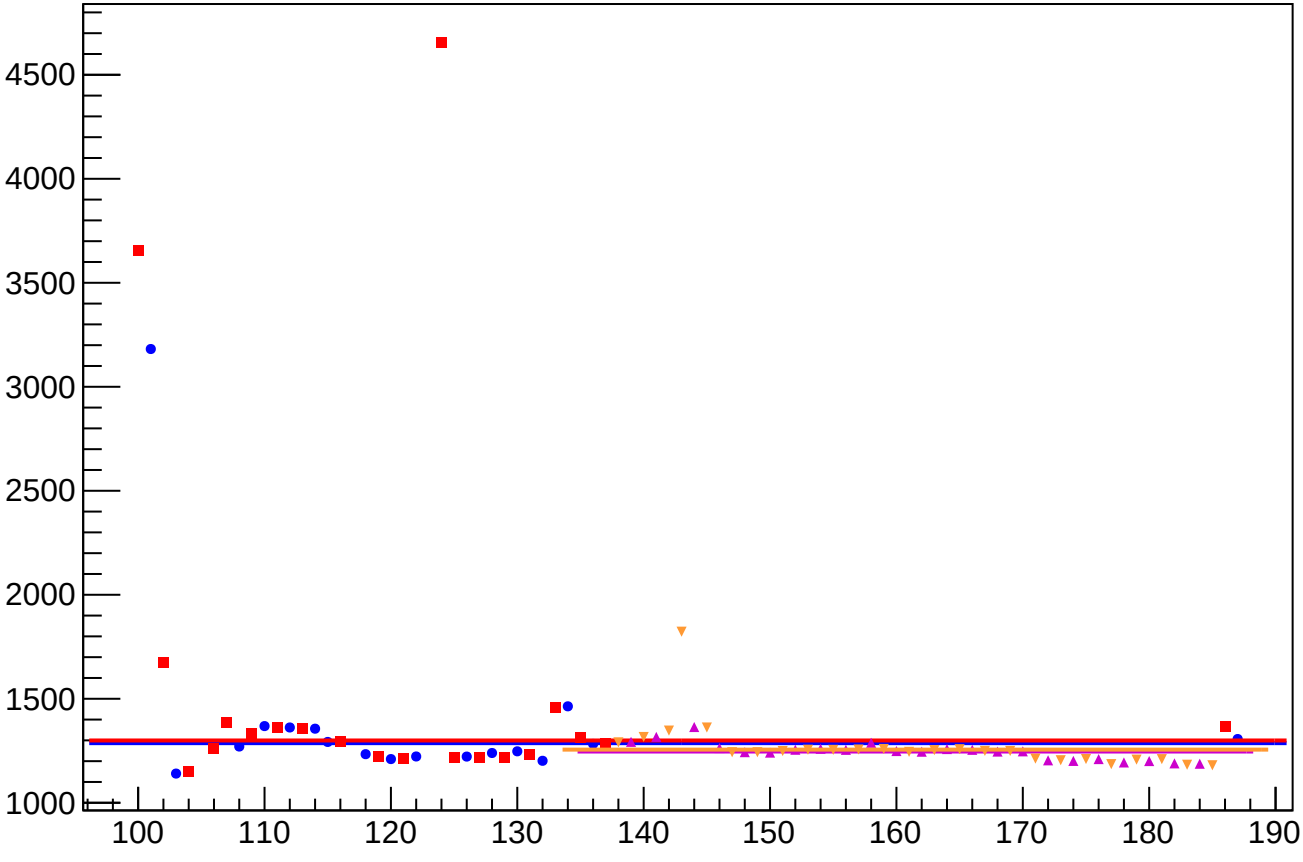
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -581.911+/-245.814 χ^2/NDF: 44.6/41

All: -162.471+/-174.599 χ^2/NDF: 98.4/84

- sign 264.600+/-248.041 χ^2/NDF: 47.9/42

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.619+/-0.340 χ^2/NDF: 518216.2/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

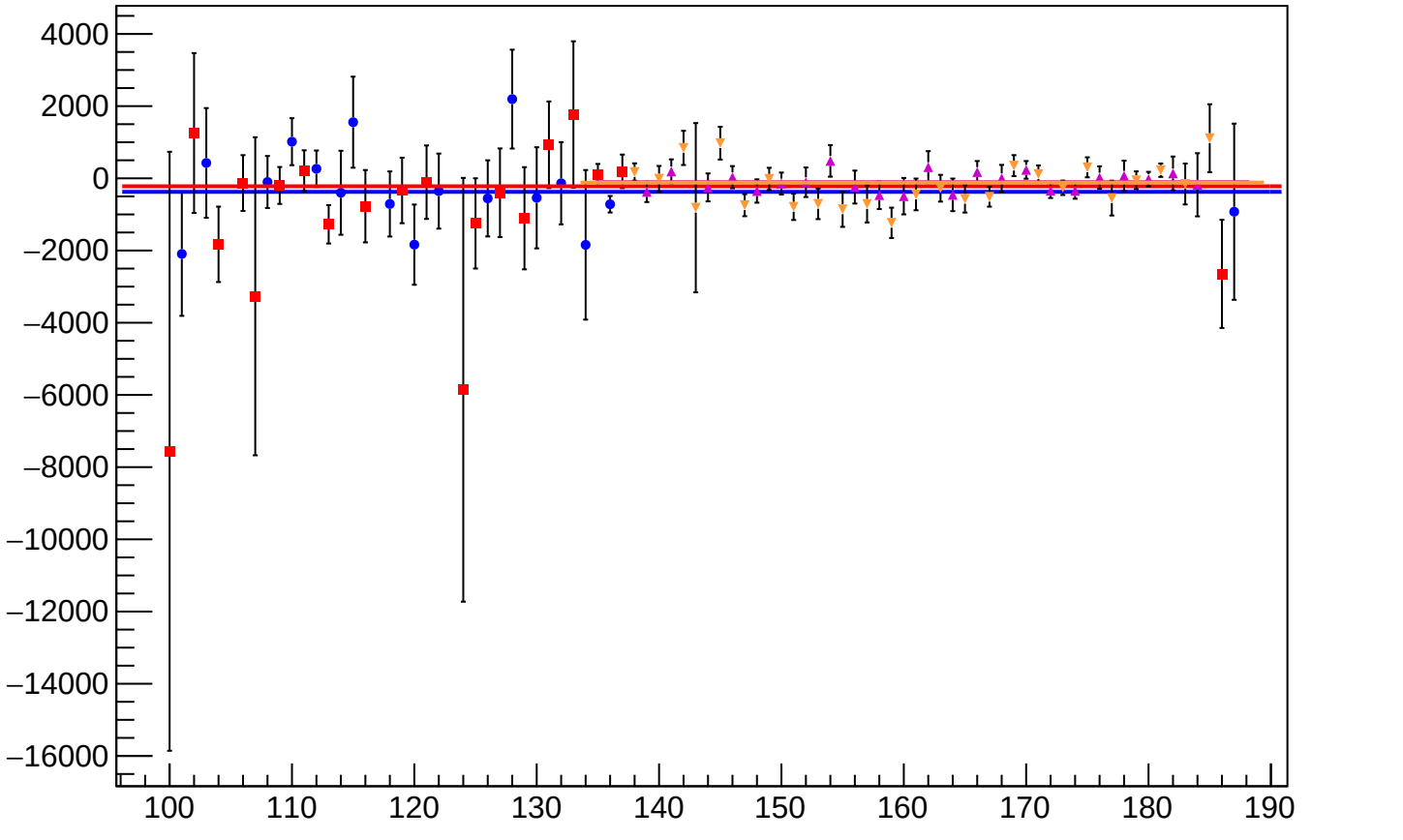
Right Out: 1299.478+/-0.335 χ^2/NDF: 330201.9/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727516.7/41

All: 1262.291+/-0.123 χ^2/NDF: 1115956.9/84

- sign 1260.926+/-0.175 χ^2/NDF: 388320.1/42



Right In: -374.939+/-167.806 χ^2/NDF: 18.2/16

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -220.052+/-168.499 χ^2/NDF: 17.3/19

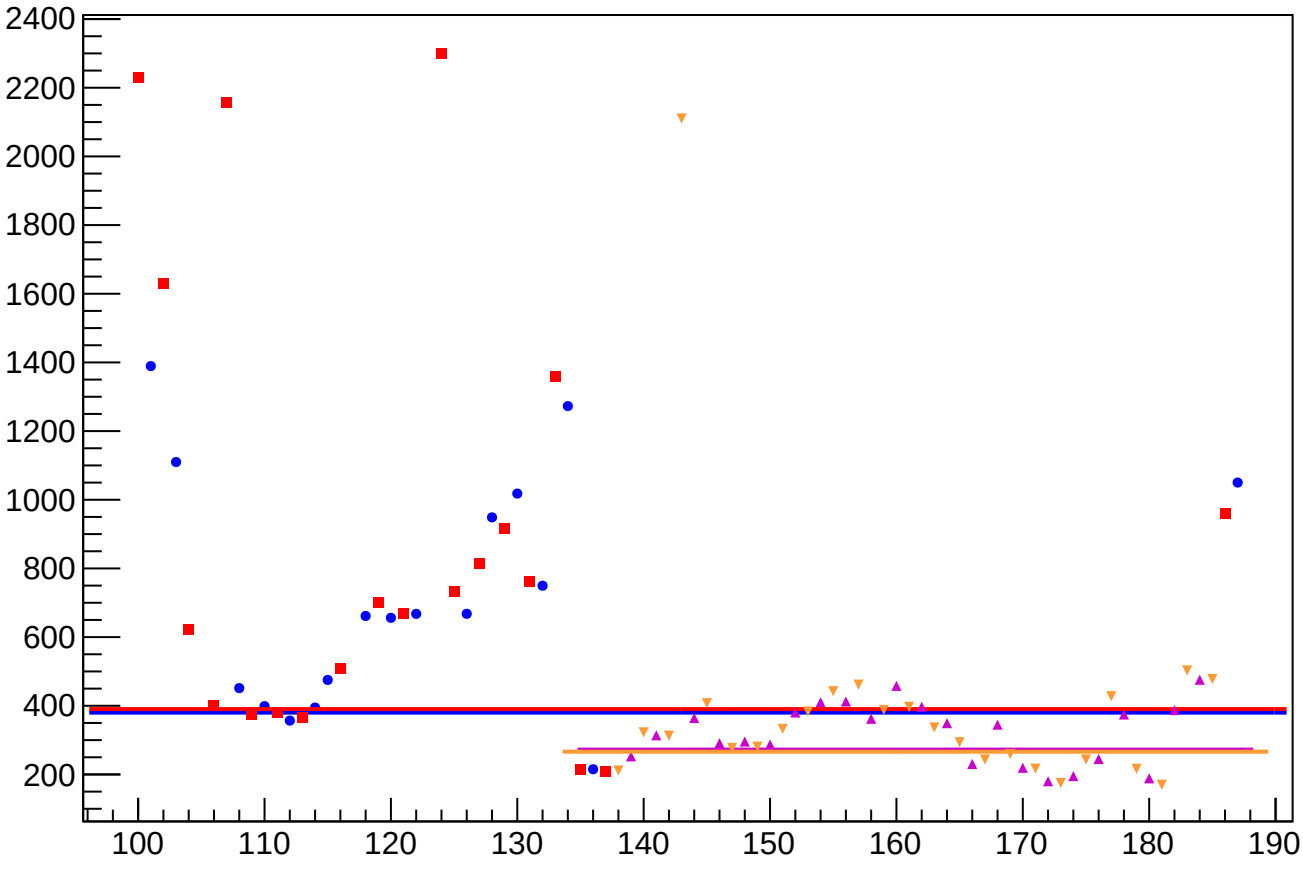
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -150.730+/-60.659 χ^2/NDF: 68.7/41

All: -137.094+/-43.447 χ^2/NDF: 100.2/84

- sign -122.729+/-62.259 χ^2/NDF: 31.4/42

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 380.076+/-0.119 χ^2/NDF: 4341702.4/16

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 390.382+/-0.119 χ^2/NDF: 4347639.0/19

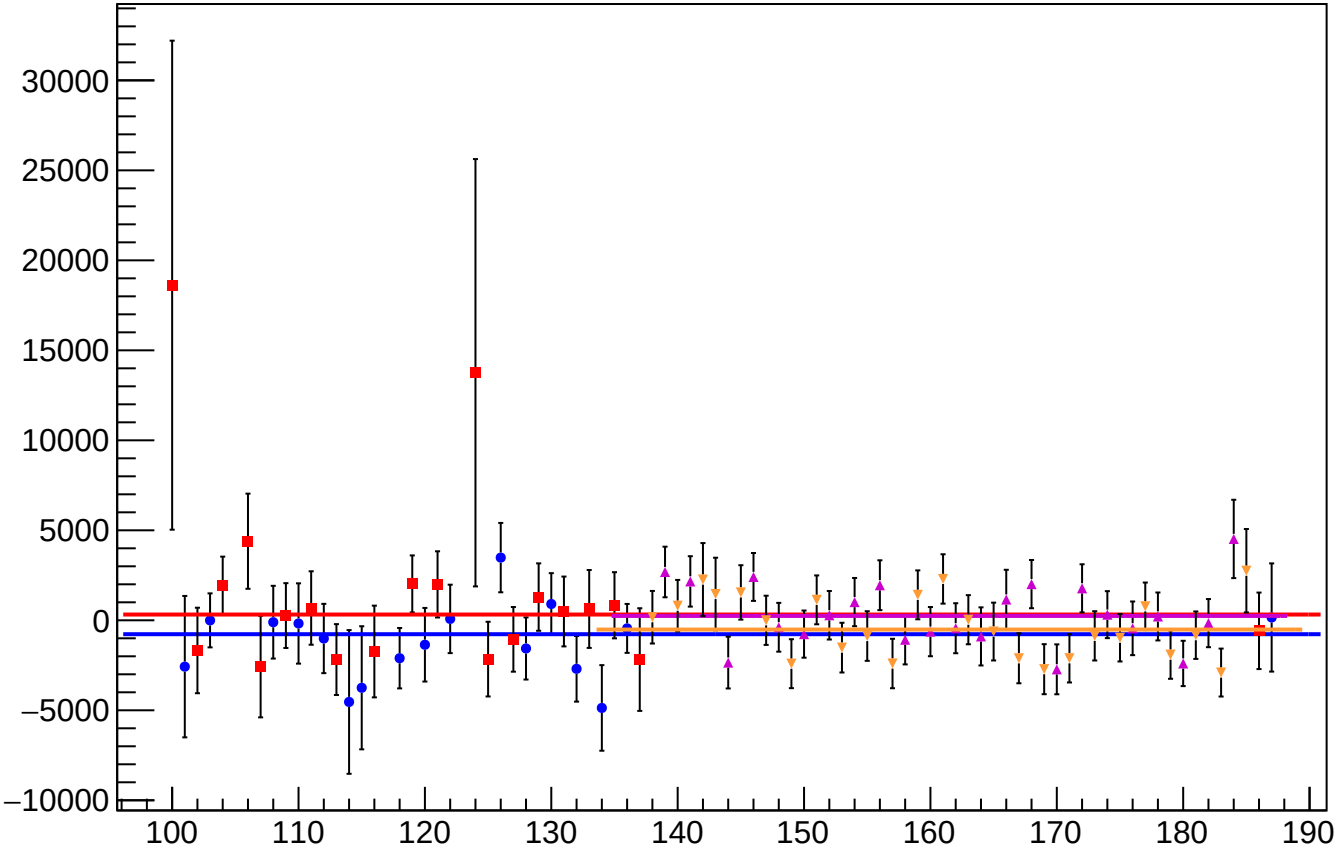
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 281.185+/-0.043 χ^2/NDF: 9770830.2/41

All: 284.738+/-0.031 χ^2/NDF: 17867507.3/84

- sign 288.480+/-0.044 χ^2/NDF: 8082593.3/42

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 320.085+/-474.092 χ^2/NDF: 15.9/19

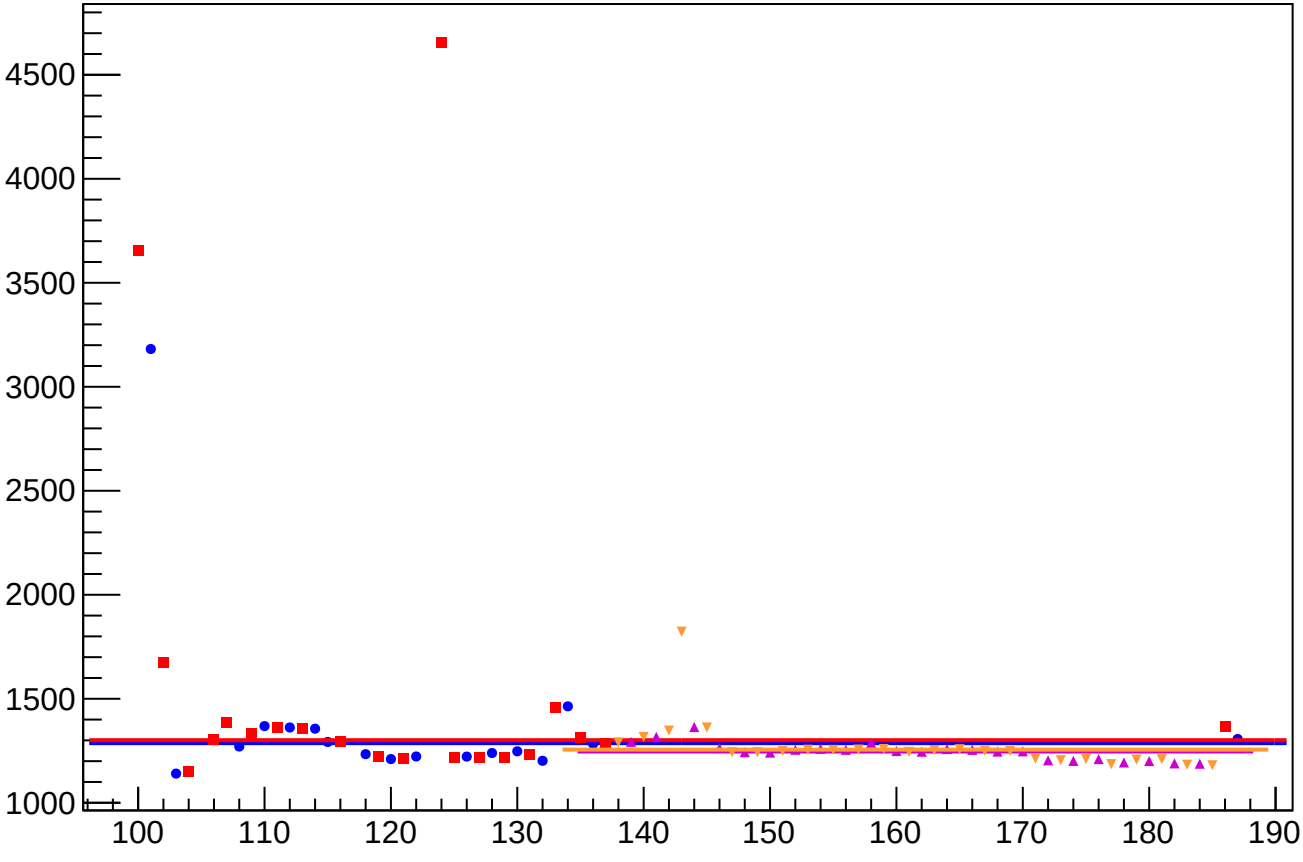
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -581.773+/-245.814 χ^2/NDF: 44.6/41

All: -162.883+/-174.623 χ^2/NDF: 98.4/84

- sign 263.867+/-248.110 χ^2/NDF: 47.9/42

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

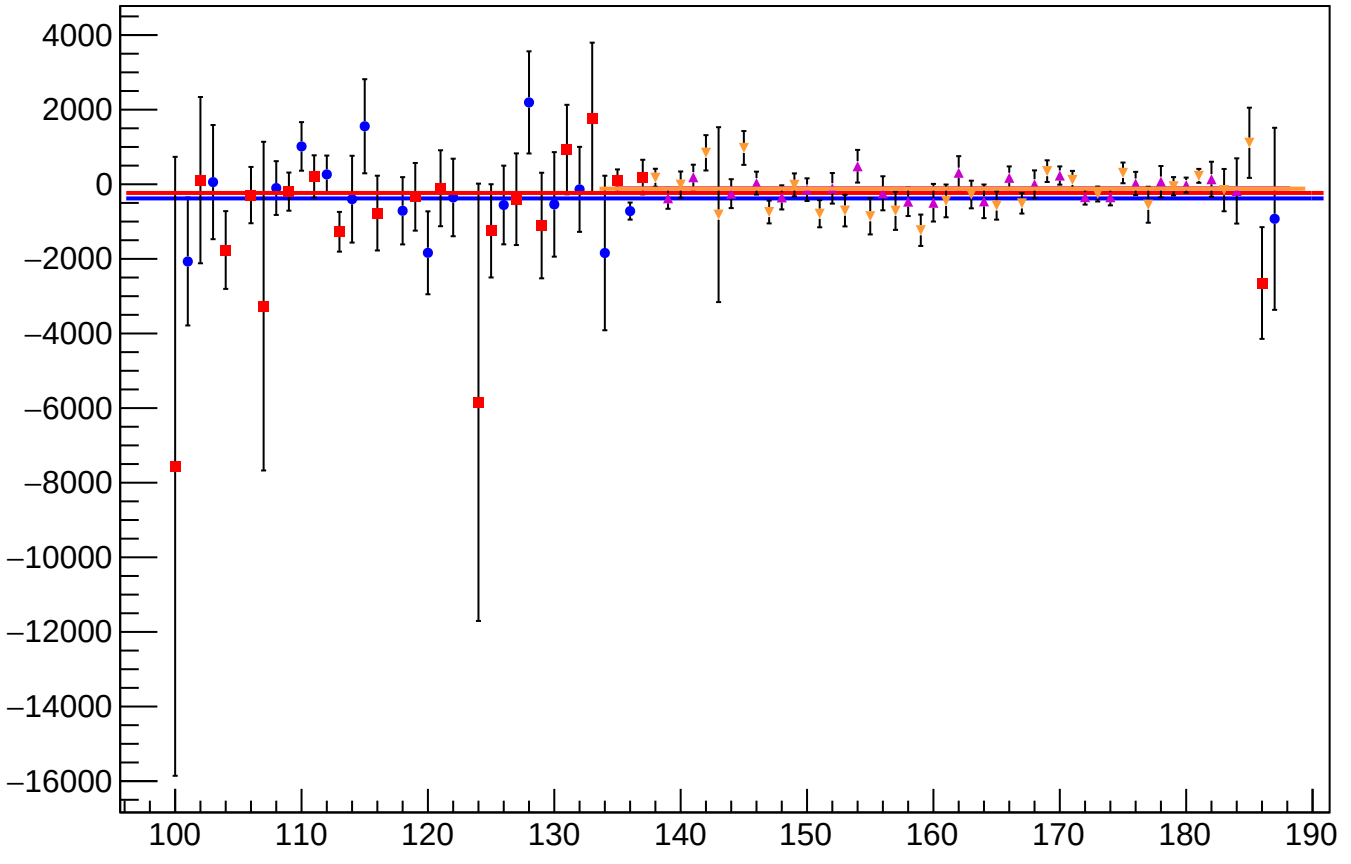
Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727518.1/41

All: 1262.469+/-0.123 χ^2/NDF: 1116450.9/84

- sign 1261.284+/-0.175 χ^2/NDF: 388842.5/42



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -233.010+/-168.305 χ^2/NDF: 16.7/19

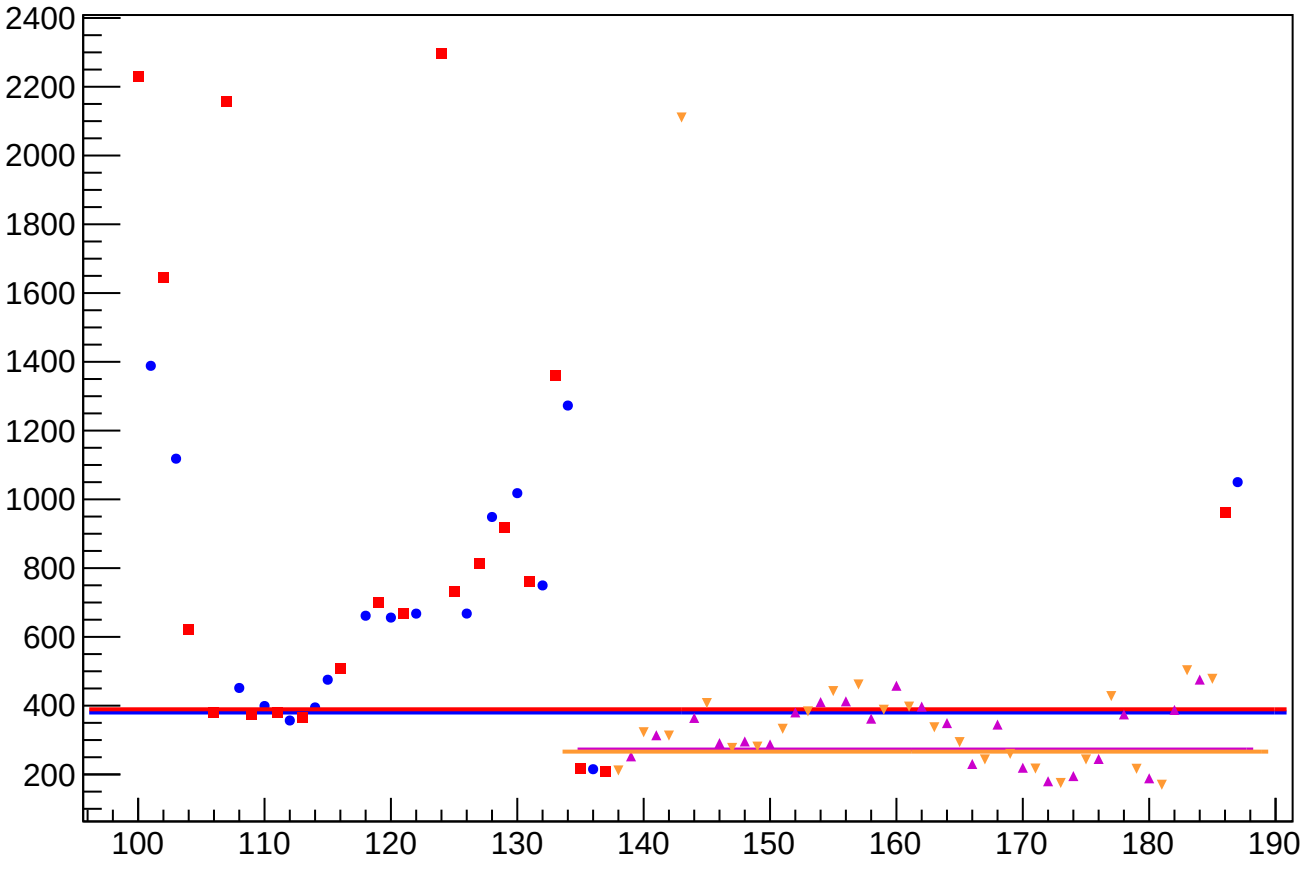
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.280+/-60.661 χ^2/NDF: 68.6/41

All: -138.302+/-43.445 χ^2/NDF: 99.5/84

- sign -124.635+/-62.251 χ^2/NDF: 30.9/42

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

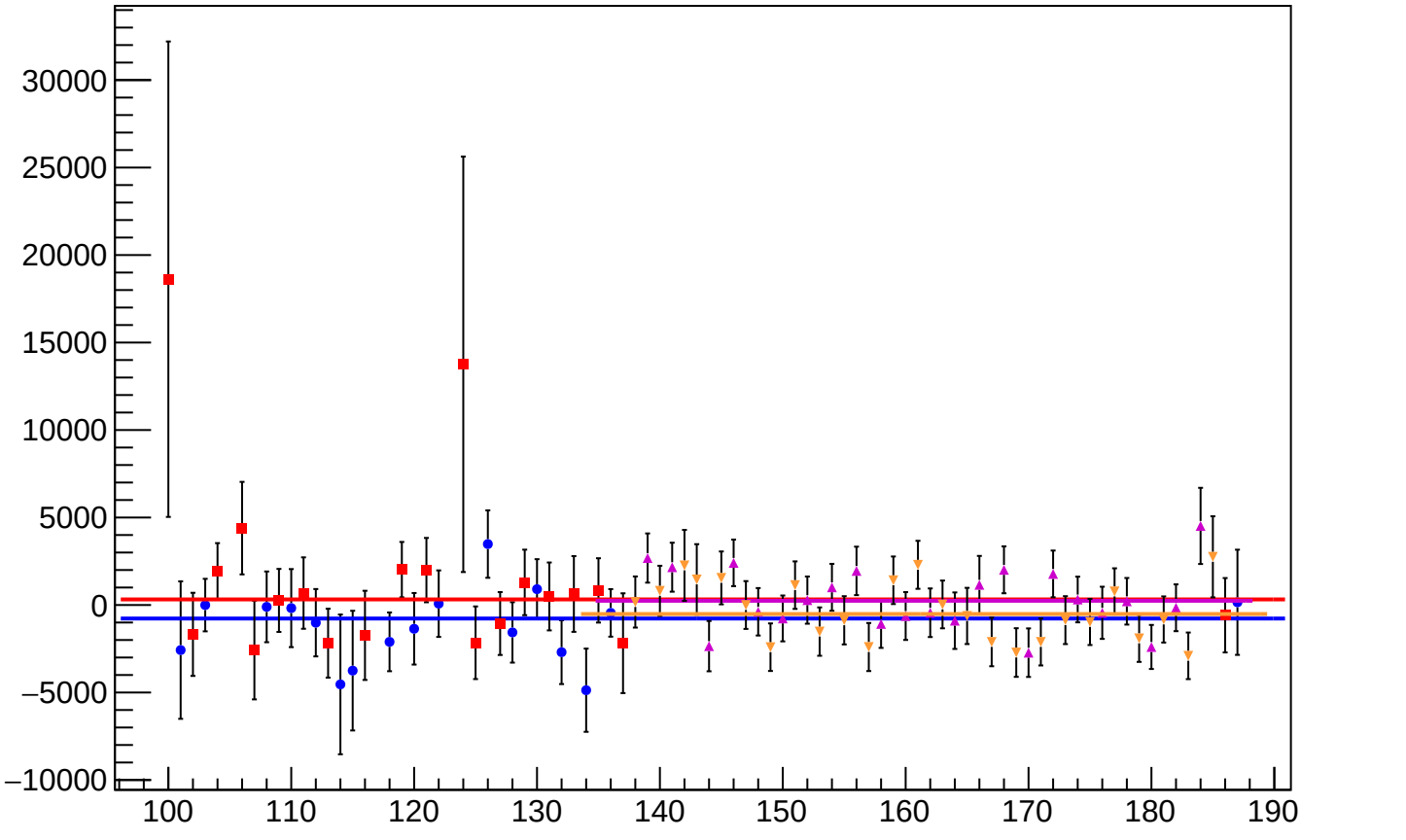
Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 281.187+/-0.043 χ^2/NDF: 9773650.4/41

All: 284.696+/-0.031 χ^2/NDF: 17864238.5/84

- sign 288.392+/-0.044 χ^2/NDF: 8076844.6/42



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 320.085+/-474.092 χ^2/NDF: 15.9/19

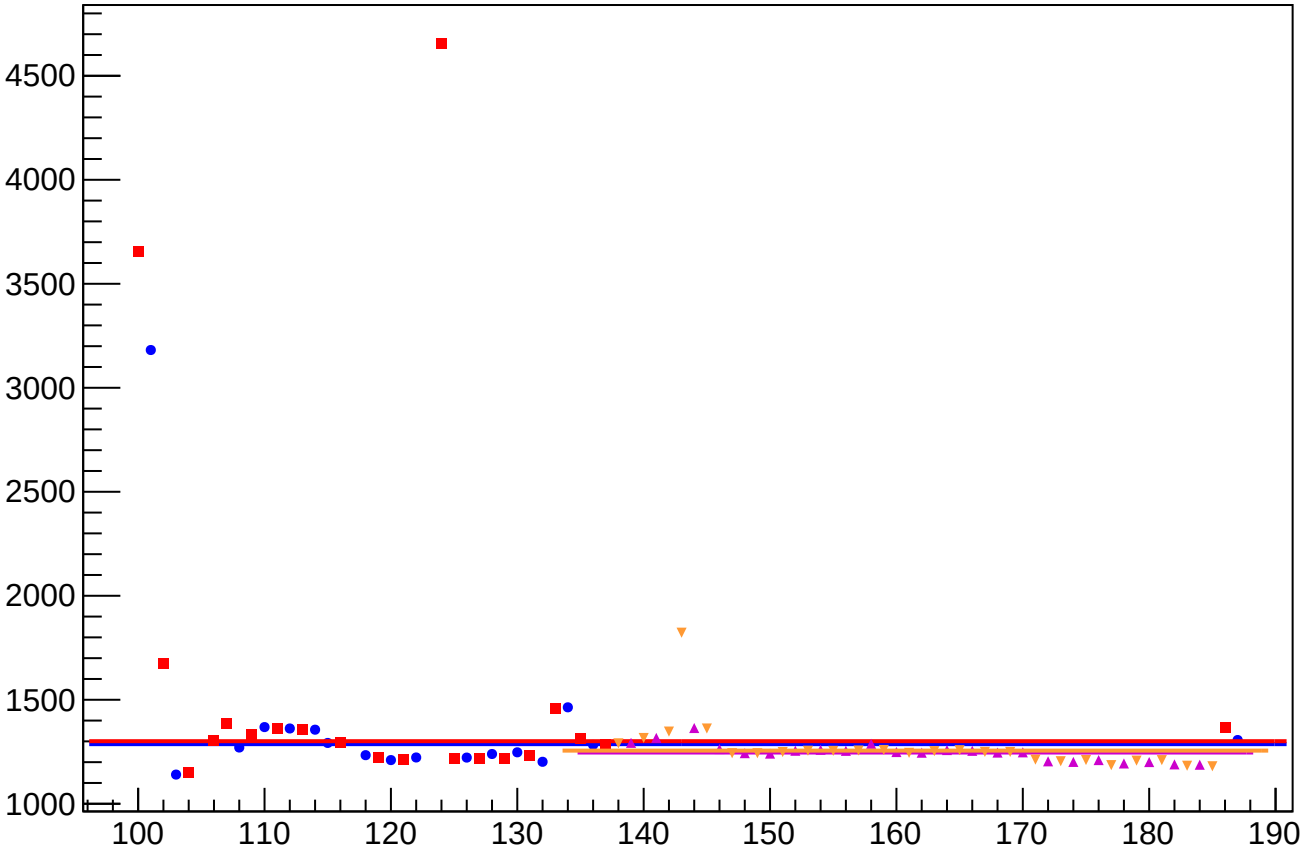
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -581.773+/-245.814 χ^2/NDF: 44.6/41

All: -162.883+/-174.623 χ^2/NDF: 98.4/84

- sign 263.867+/-248.110 χ^2/NDF: 47.9/42

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

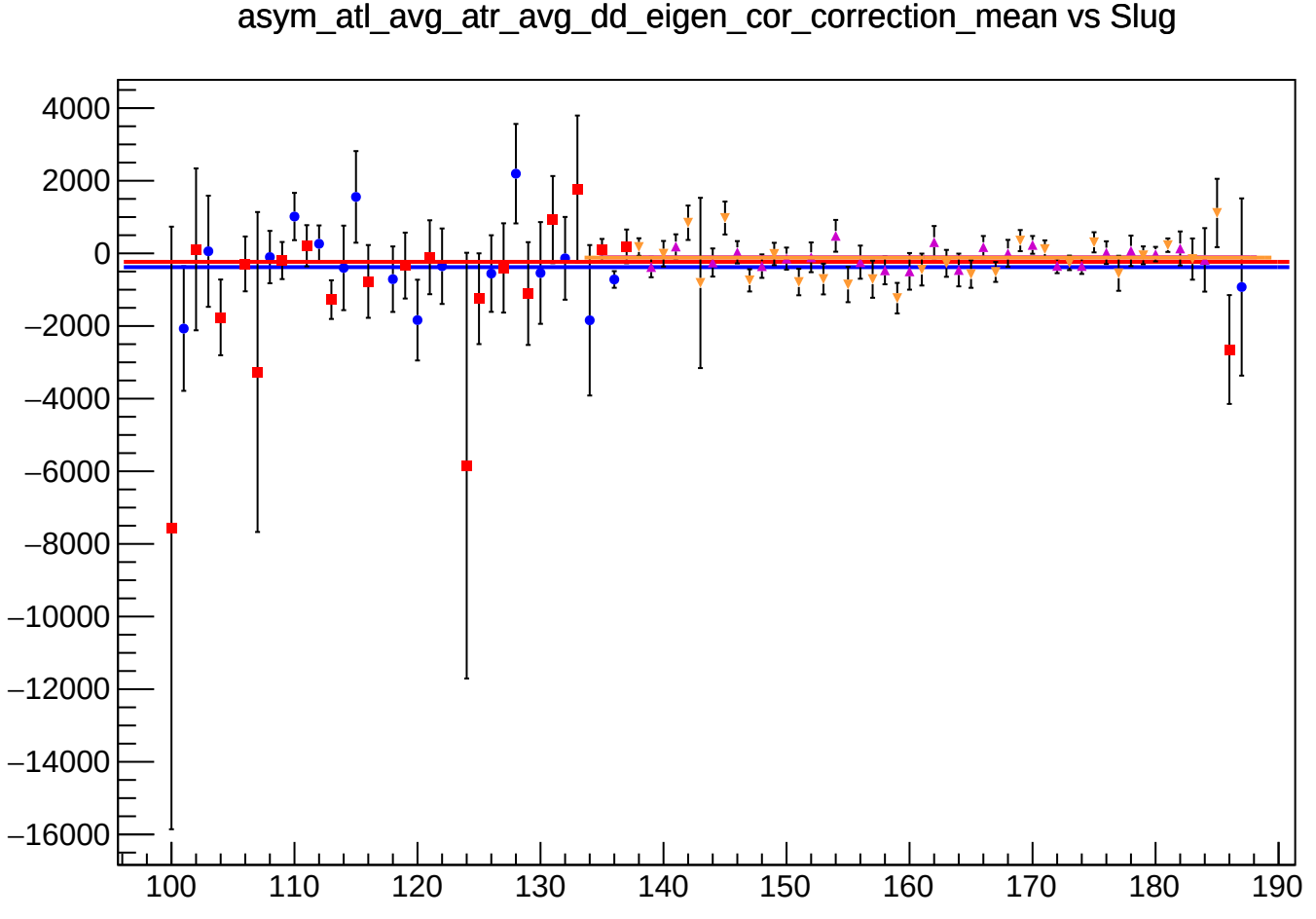
Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727518.1/41

All: 1262.469+/-0.123 χ^2/NDF: 1116450.9/84

- sign 1261.284+/-0.175 χ^2/NDF: 388842.5/42



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

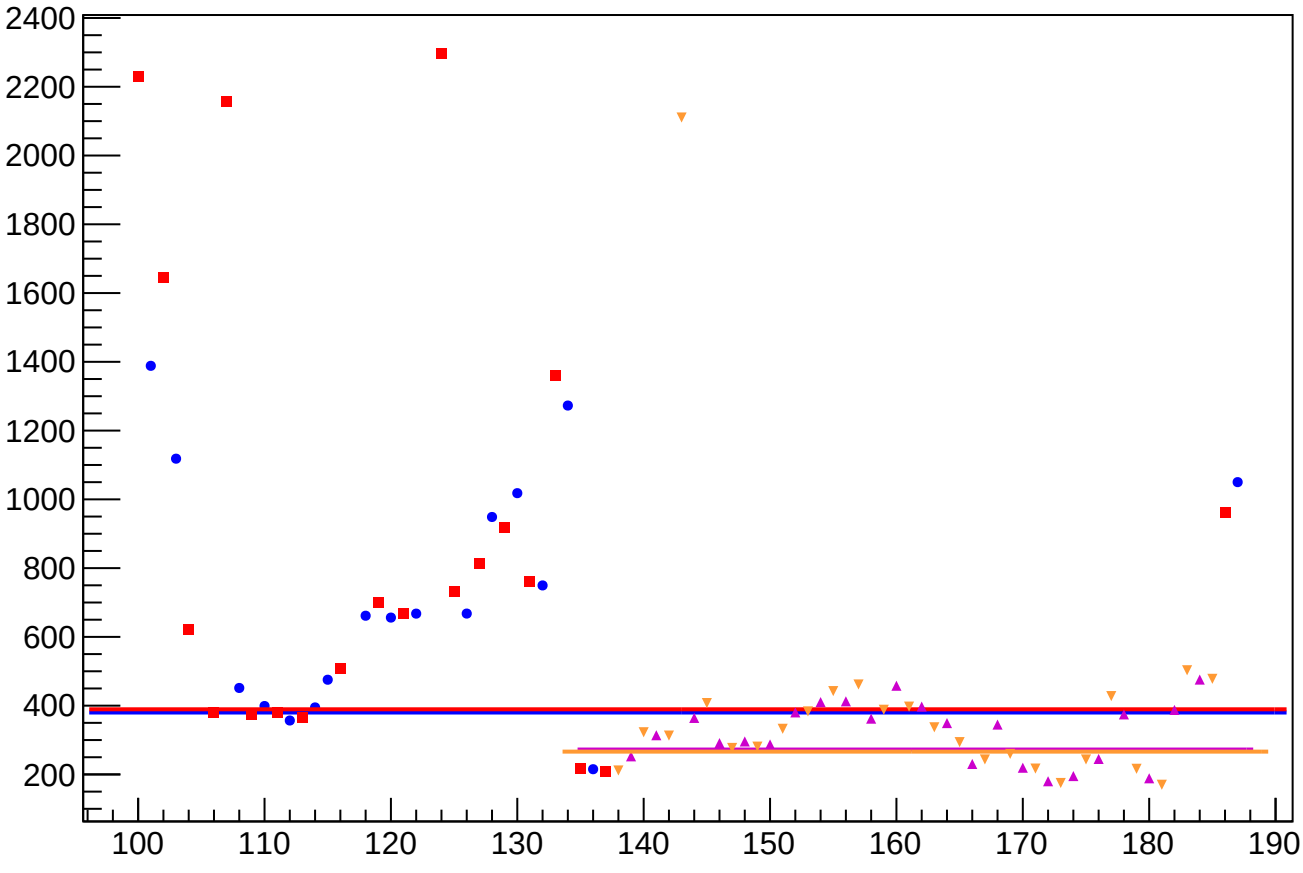
Right Out: -233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.280+/-60.661 χ^2/NDF: 68.6/41

All: -138.302+/-43.445 χ^2/NDF: 99.5/84

- sign -124.635+/-62.251 χ^2/NDF: 30.9/42



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

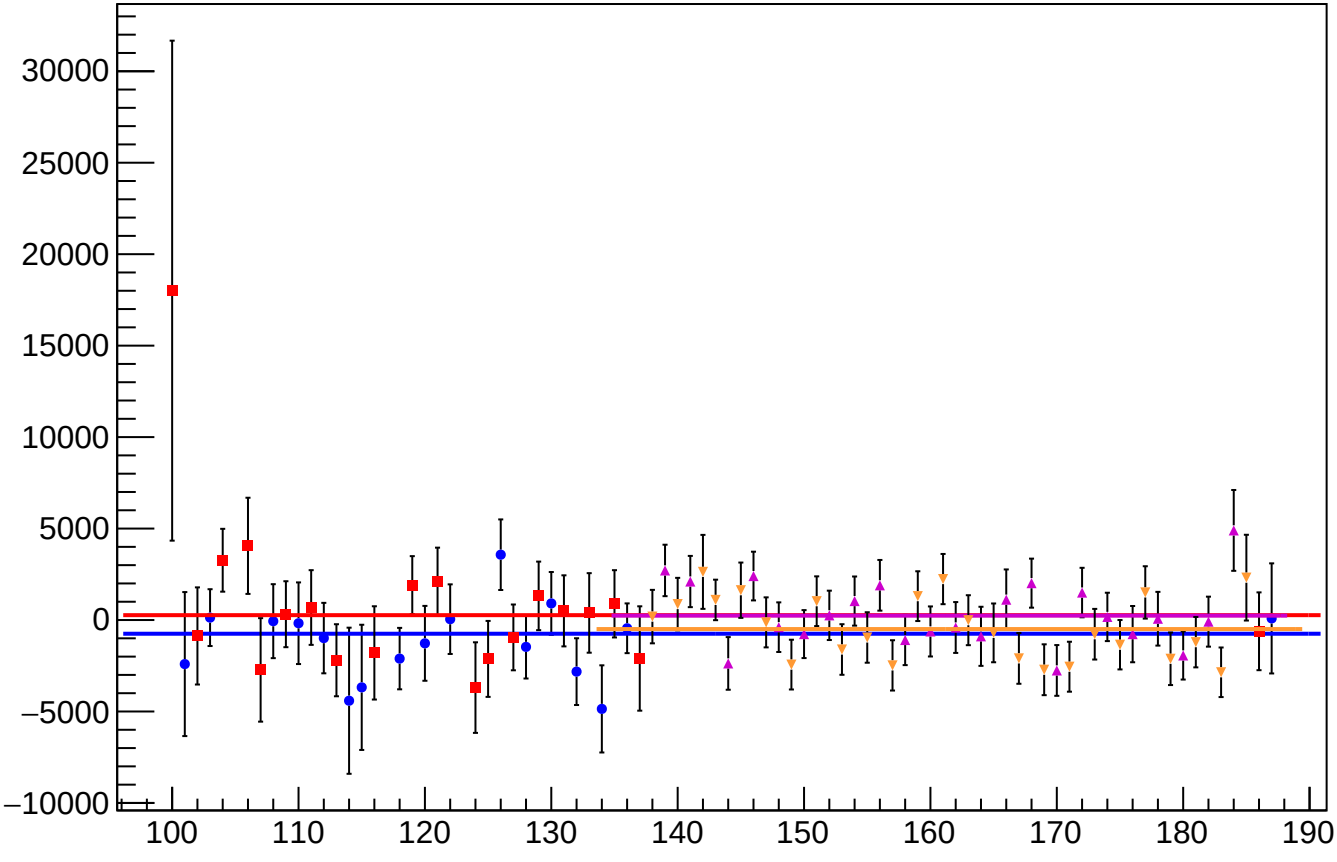
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 281.187+/-0.043 χ^2/NDF: 9773650.4/41

All: 284.696+/-0.031 χ^2/NDF: 17864238.5/84

- sign 288.392+/-0.044 χ^2/NDF: 8076844.6/42

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -749.322+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 266.025+/-470.674 χ^2/NDF: 18.1/19

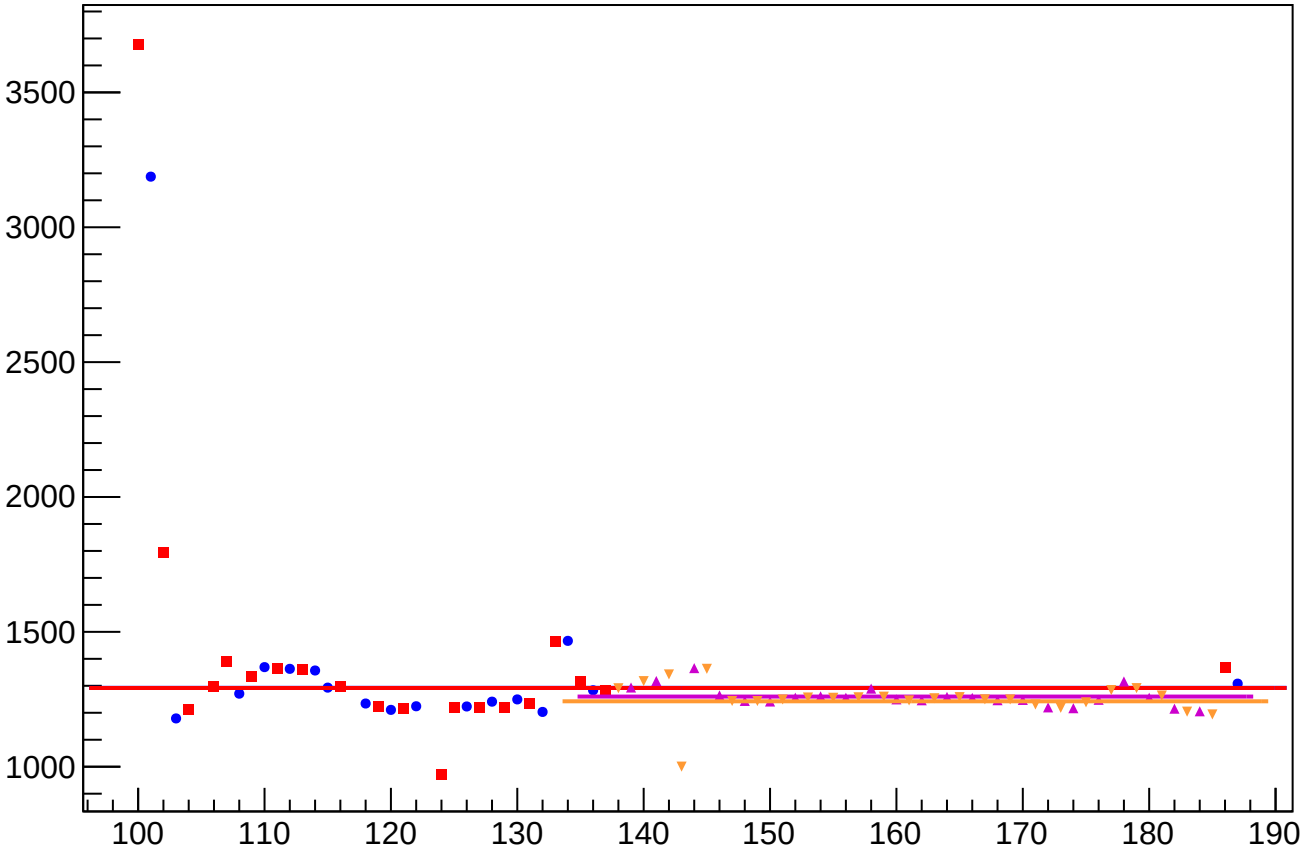
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -558.690+/-244.035 χ^2/NDF: 48.1/41

All: -164.002+/-174.479 χ^2/NDF: 102.3/84

- sign 248.757+/-249.559 χ^2/NDF: 48.8/42

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

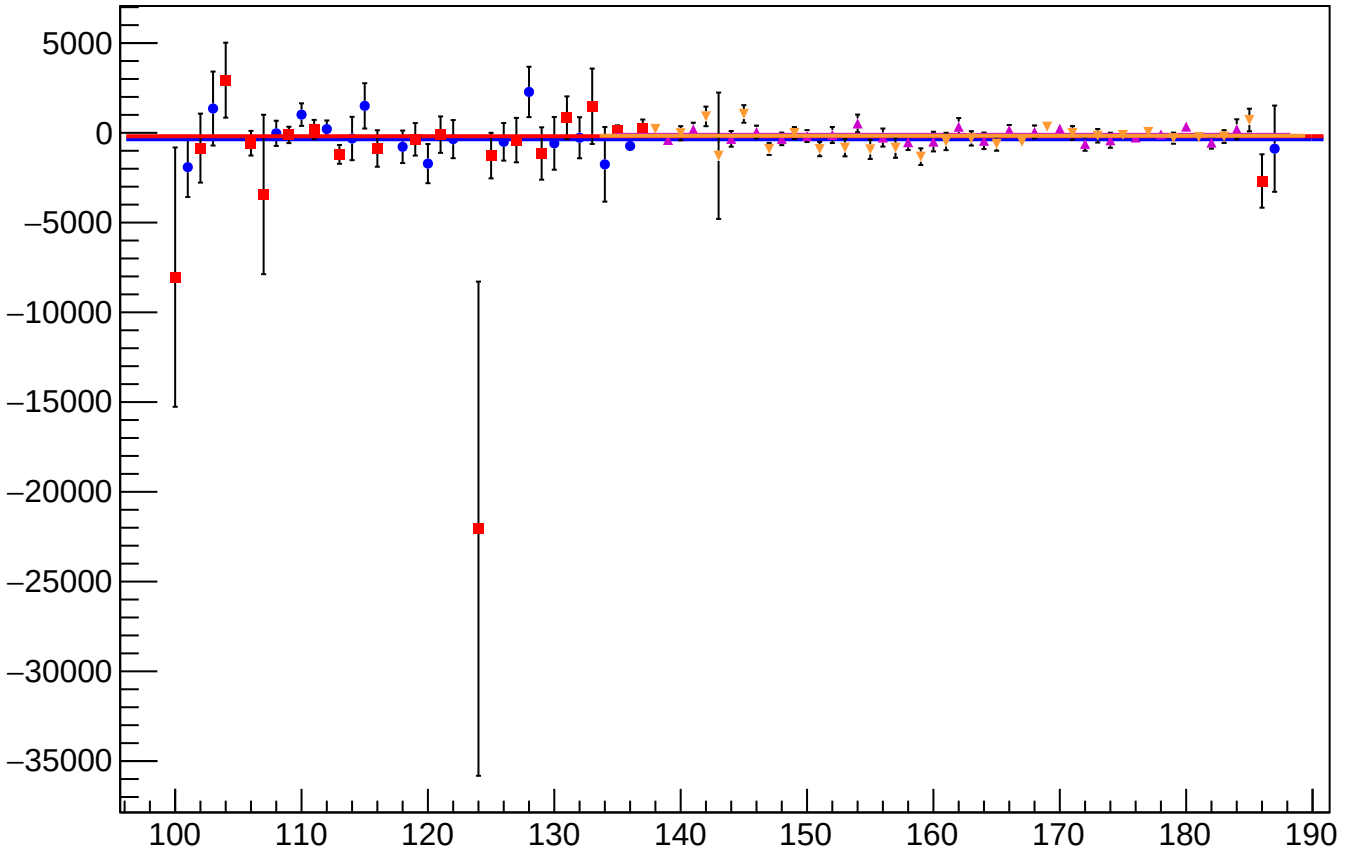
Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.3/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

\+ sign 1255.267+/-0.173 χ^2/NDF: 655377.4/41

All: 1261.999+/-0.123 χ^2/NDF: 904903.5/84

\- sign 1269.039+/-0.176 χ^2/NDF: 246412.4/42



Right In: -357.857+/-169.547 χ^2/NDF: 18.5/16

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

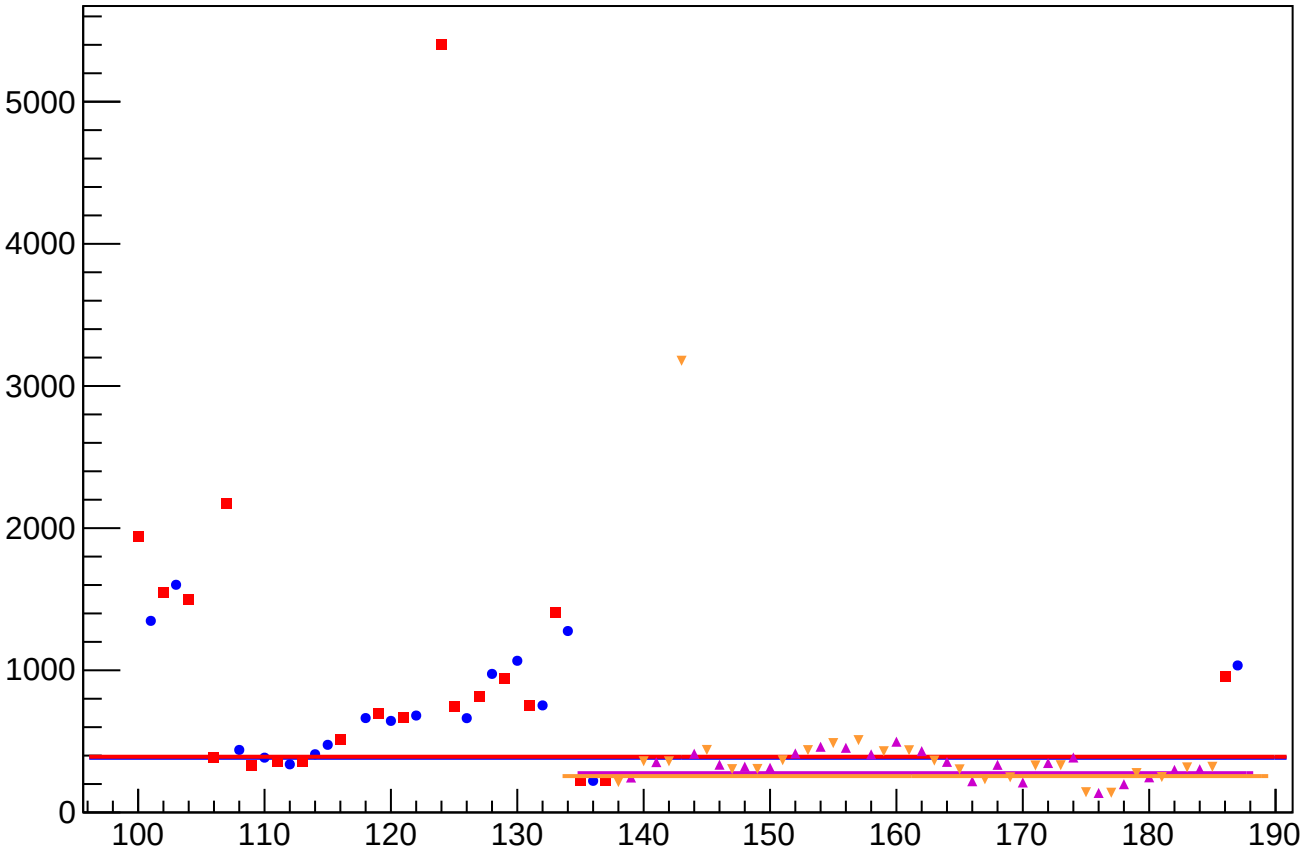
Right Out: -190.330+/-168.573 χ^2/NDF: 18.7/19

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -185.579+/-59.985 χ^2/NDF: 63.4/41

All: -156.968+/-43.680 χ^2/NDF: 101.0/84

\- sign -124.671+/-63.731 χ^2/NDF: 37.1/42



Right In: 384.601+/-0.120 χ^2/NDF: 4464871.9/16

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 391.959+/-0.119 χ^2/NDF: 4849456.6/19

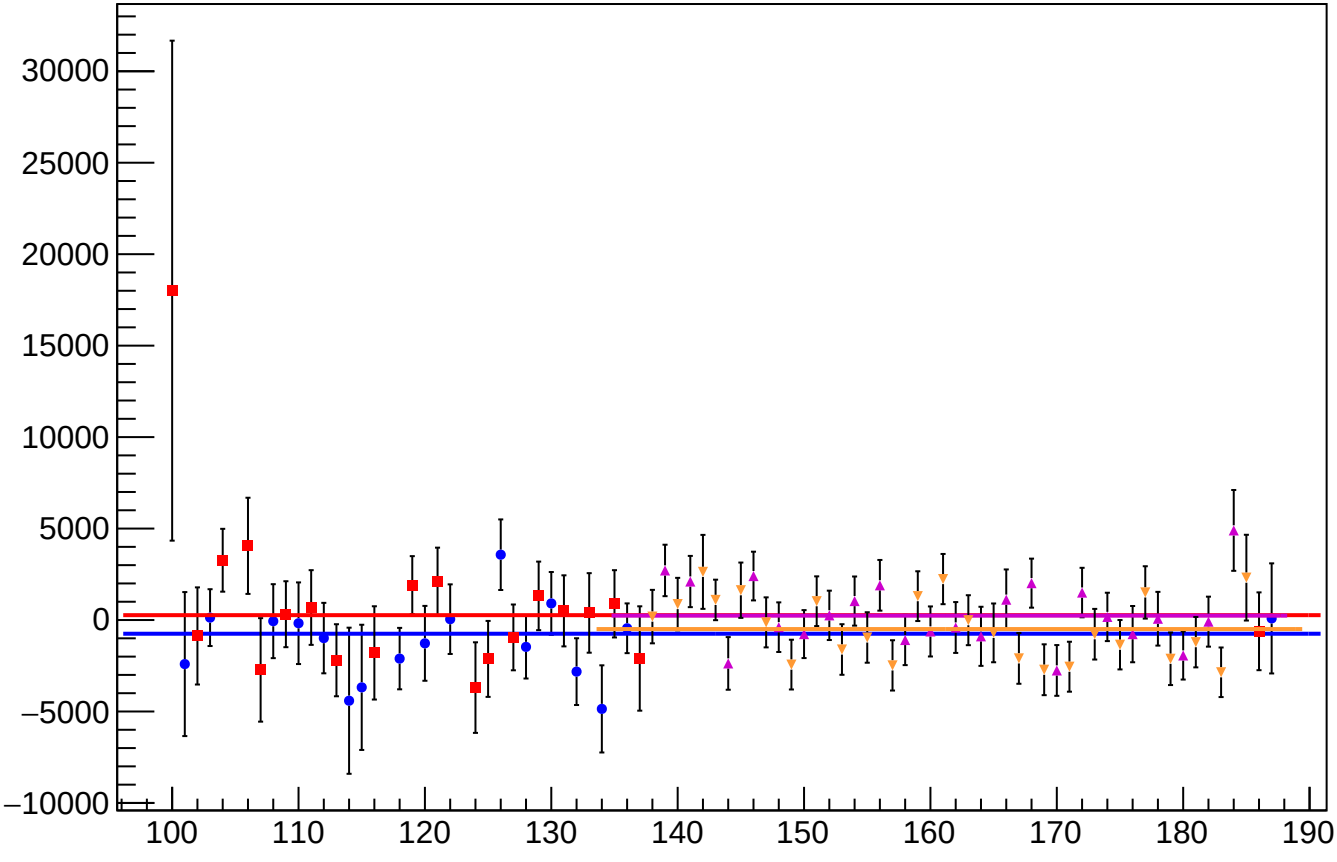
Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 271.894+/-0.042 χ^2/NDF: 11849044.2/41

All: 281.729+/-0.031 χ^2/NDF: 21647292.5/84

- sign 292.830+/-0.045 χ^2/NDF: 9683806.2/42

eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -749.324+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 266.027+/-470.674 χ^2/NDF: 18.1/19

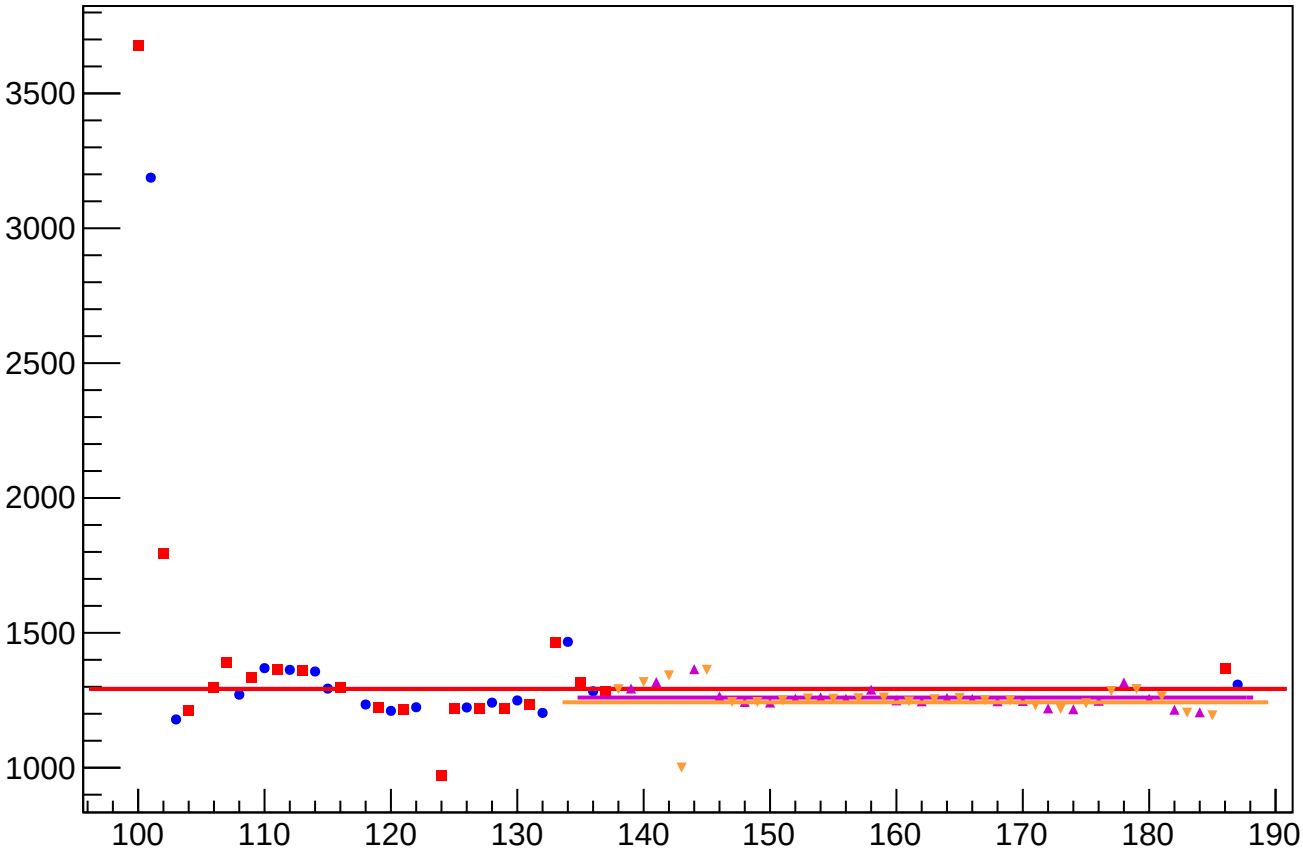
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -558.690+/-244.035 χ^2/NDF: 48.1/41

All: -164.002+/-174.479 χ^2/NDF: 102.3/84

- sign 248.758+/-249.559 χ^2/NDF: 48.8/42

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

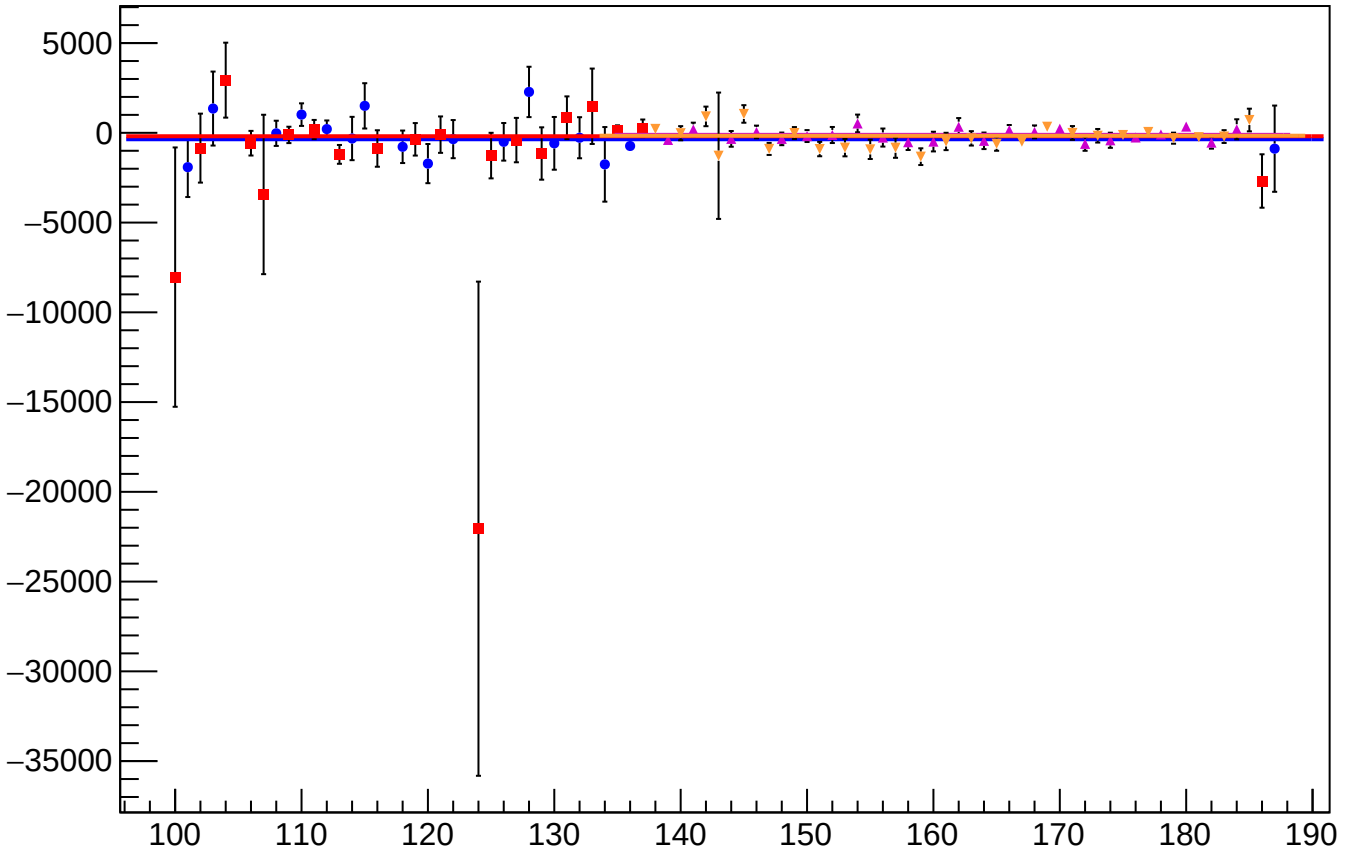
Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.6/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1255.267+/-0.173 χ^2/NDF: 655376.5/41

All: 1261.999+/-0.123 χ^2/NDF: 904902.9/84

- sign 1269.039+/-0.176 χ^2/NDF: 246412.8/42



Right In: -357.857+/-169.550 χ^2/NDF: 18.5/16

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

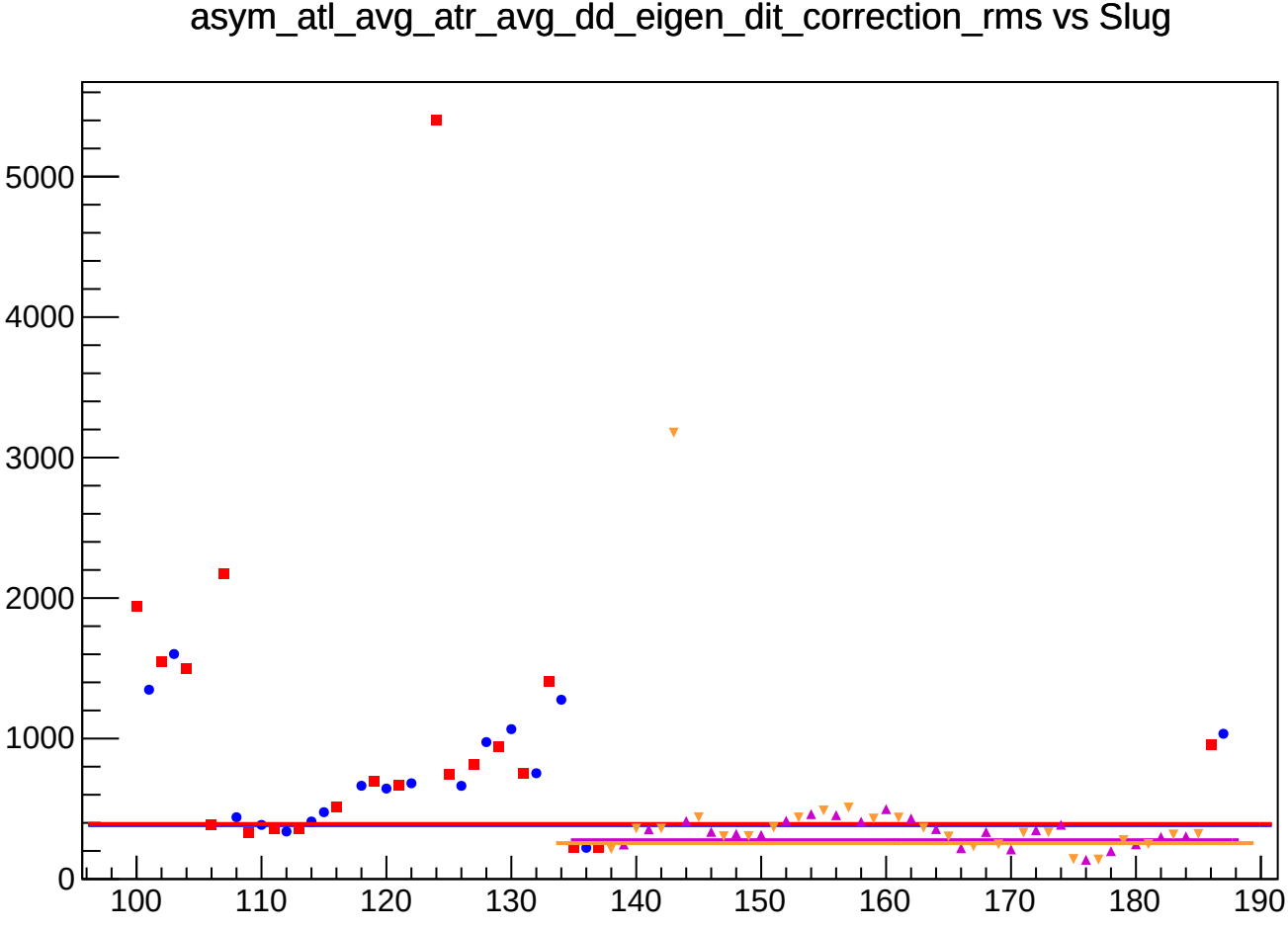
Right Out: -190.337+/-168.575 χ^2/NDF: 18.7/19

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -185.582+/-59.985 χ^2/NDF: 63.4/41

All: -156.969+/-43.680 χ^2/NDF: 101.0/84

- sign -124.671+/-63.731 χ^2/NDF: 37.1/42



Right In: 384.611+/-0.120 χ^2/NDF: 4464683.2/16

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 391.967+/-0.119 χ^2/NDF: 4849305.3/19

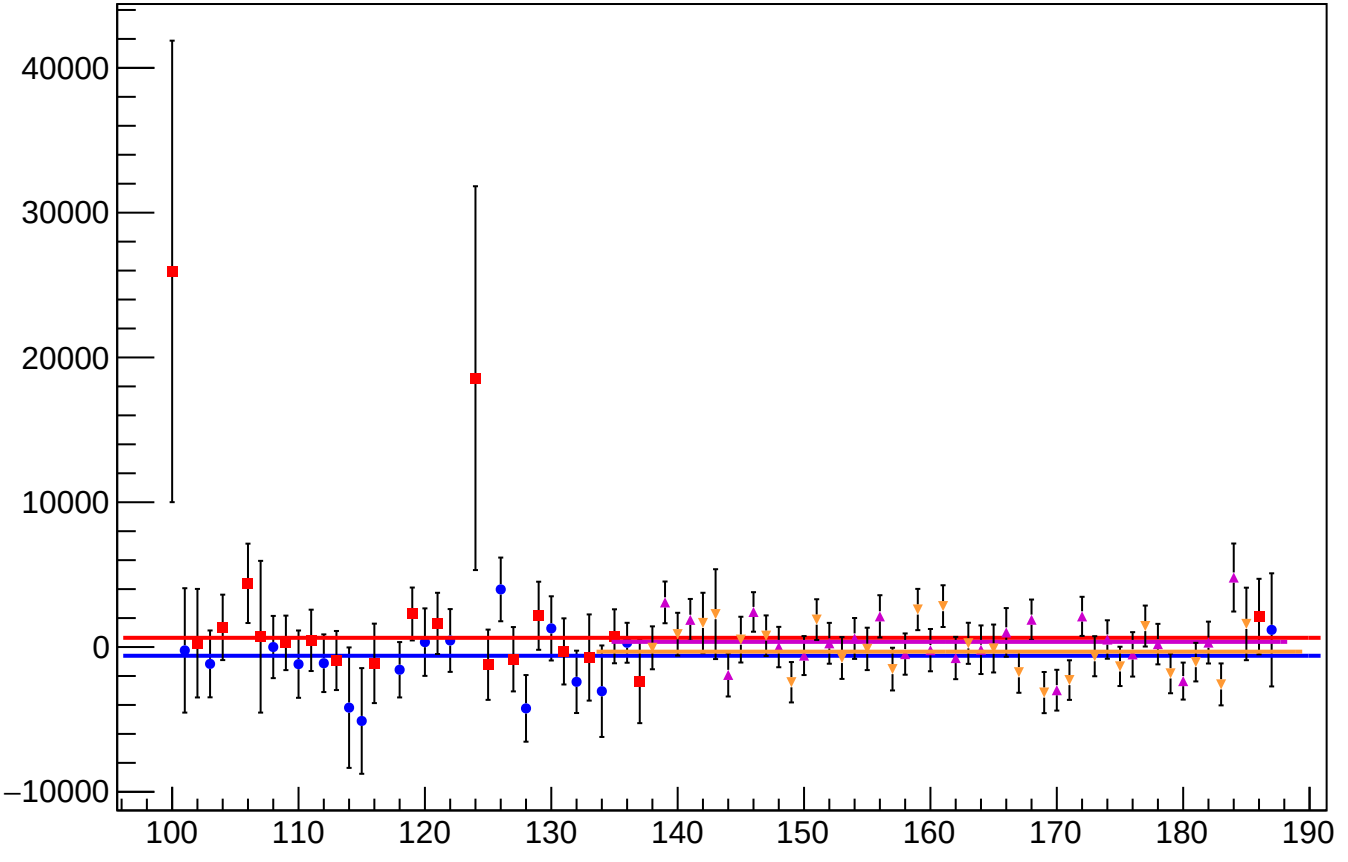
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 271.896+/-0.042 χ^2/NDF: 11848862.9/41

All: 281.730+/-0.031 χ^2/NDF: 21646996.4/84

- sign 292.831+/-0.045 χ^2/NDF: 9683701.2/42

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -603.500+/-558.568 χ^2/NDF: 12.7/16

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 636.546+/-553.846 χ^2/NDF: 11.7/19

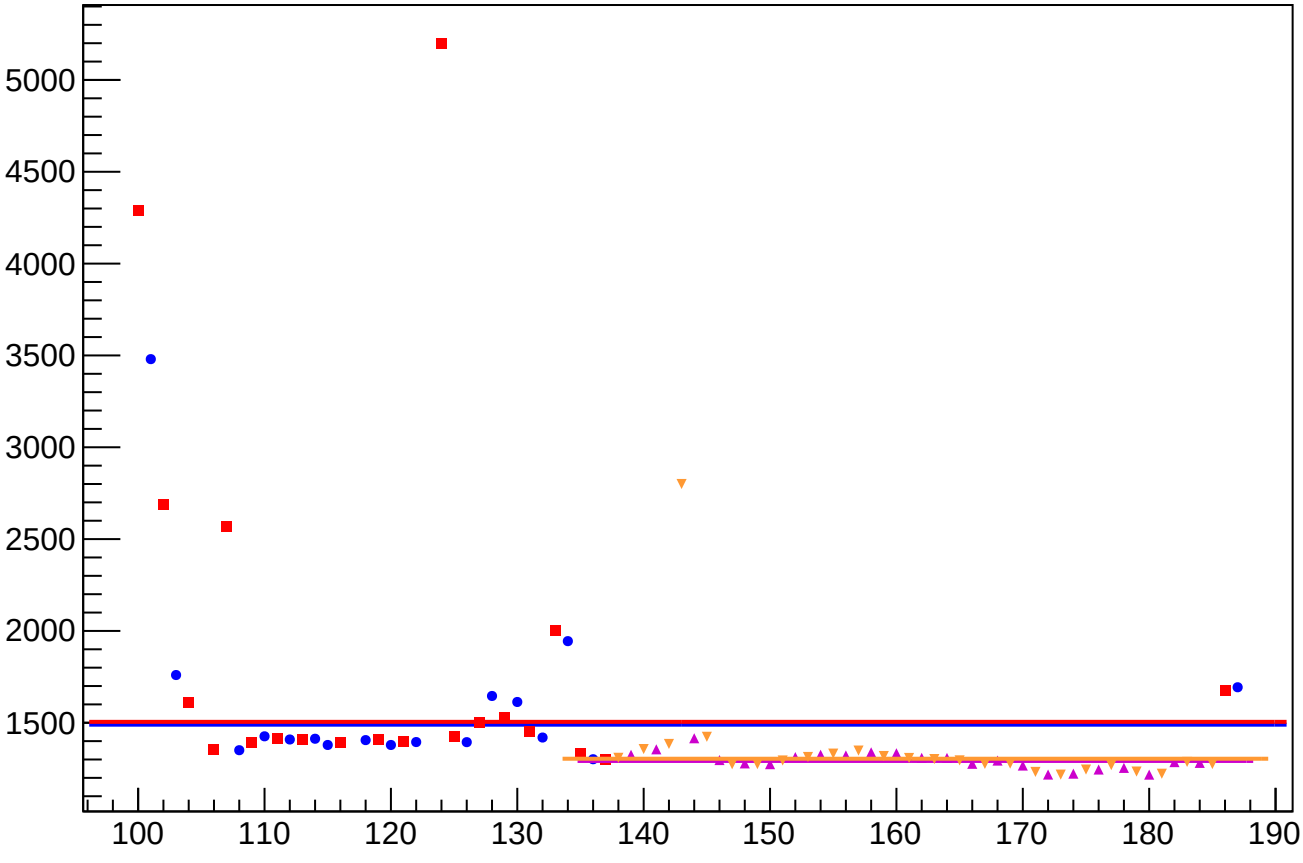
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -382.703+/-263.108 χ^2/NDF: 44.4/41

All: 15.934+/-186.738 χ^2/NDF: 90.6/84

- sign 420.563+/-265.078 χ^2/NDF: 41.5/42

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1489.621+/-0.395 χ^2/NDF: 590020.8/16

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

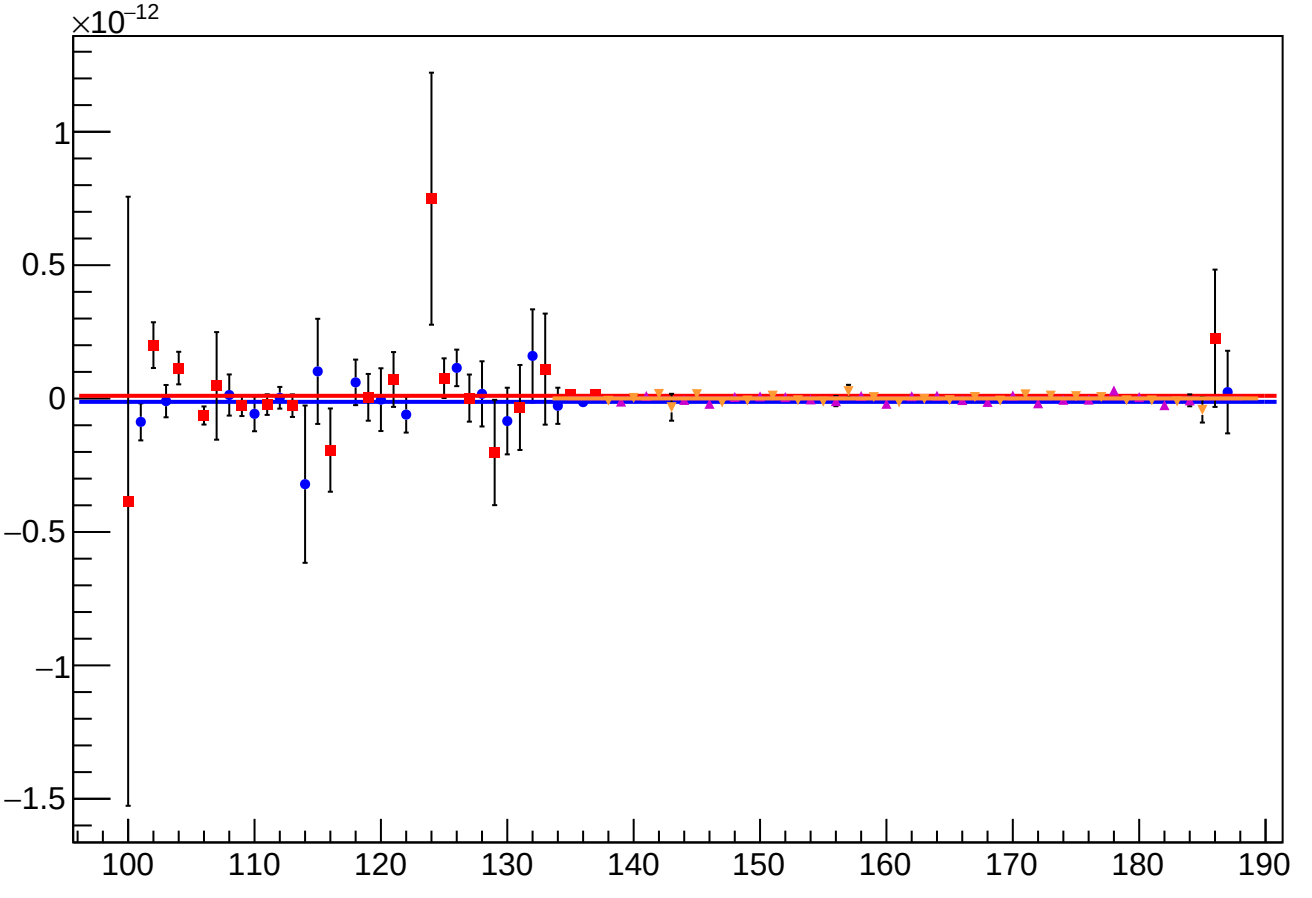
Right Out: 1504.994+/-0.392 χ^2/NDF: 632414.9/19

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1345.307+/-0.186 χ^2/NDF: 1281203.2/41

All: 1343.113+/-0.132 χ^2/NDF: 2190015.1/84

- sign 1340.886+/-0.187 χ^2/NDF: 908531.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

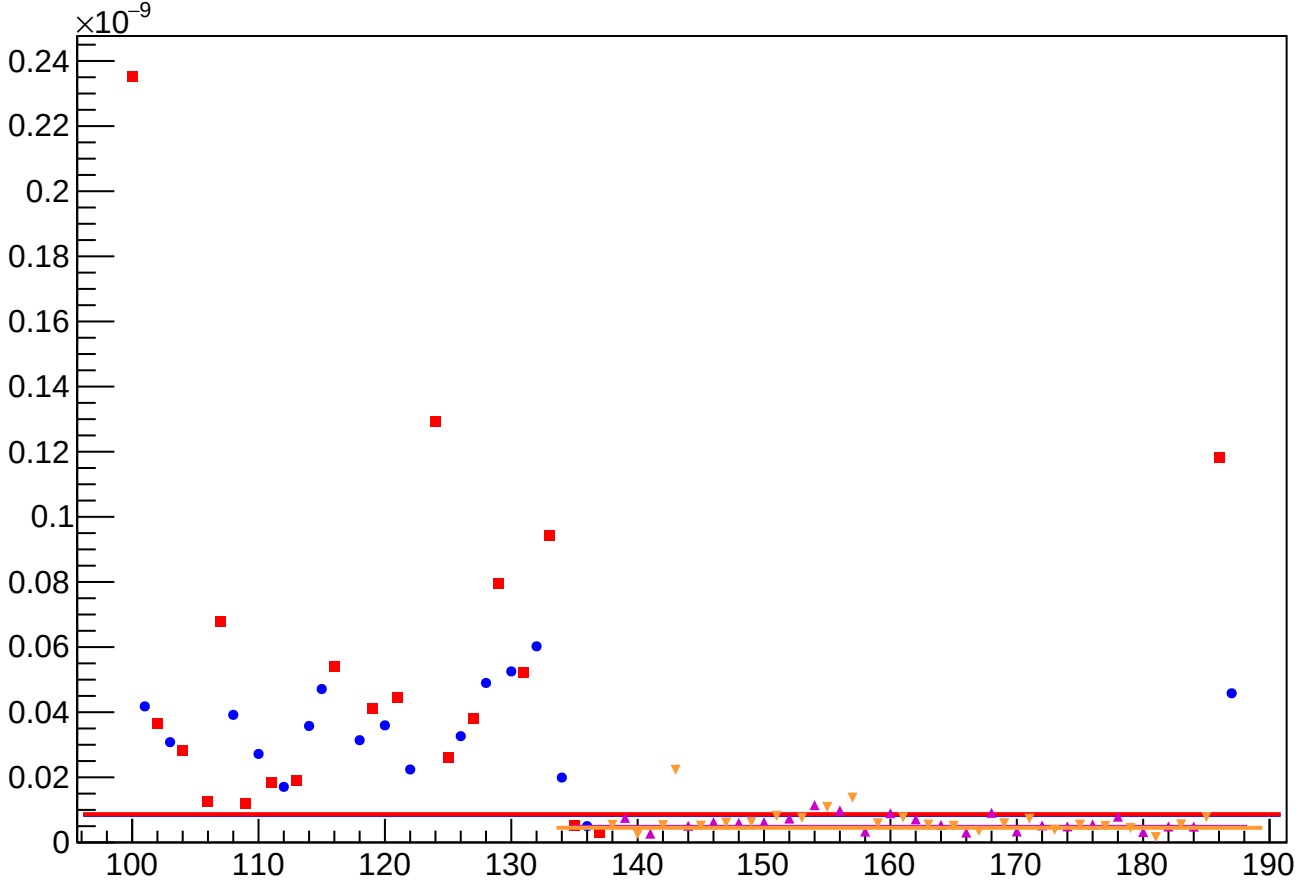
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/19

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/41

All: 0.000+/-0.000 χ^2/NDF: 91.0/84

- sign 0.000+/-0.000 χ^2/NDF: 53.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 3176393.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

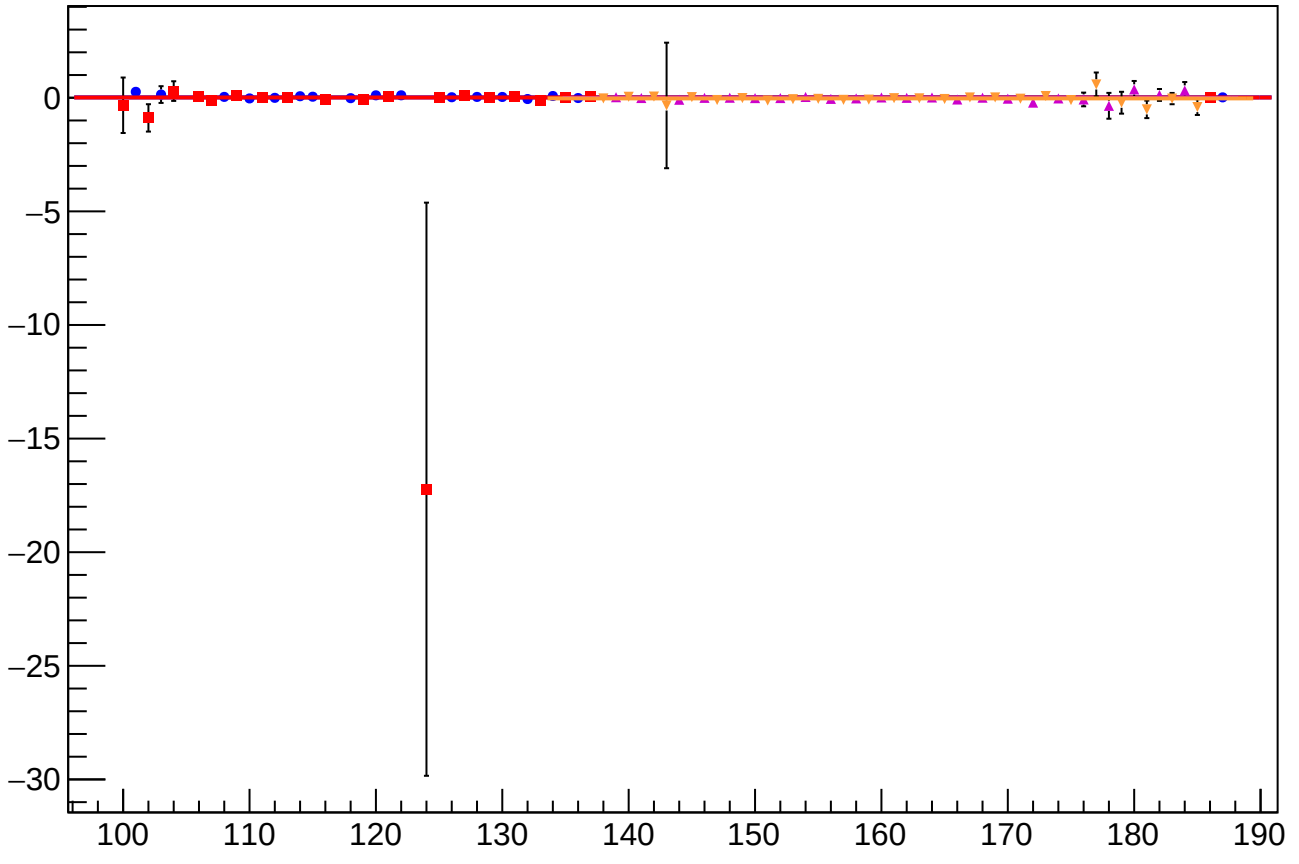
Right Out: 0.000+/-0.000 χ^2/NDF: 3711165.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6428230.6/41

All: 0.000+/-0.000 χ^2/NDF: 12491906.2/84

- sign 0.000+/-0.000 χ^2/NDF: 6042763.7/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

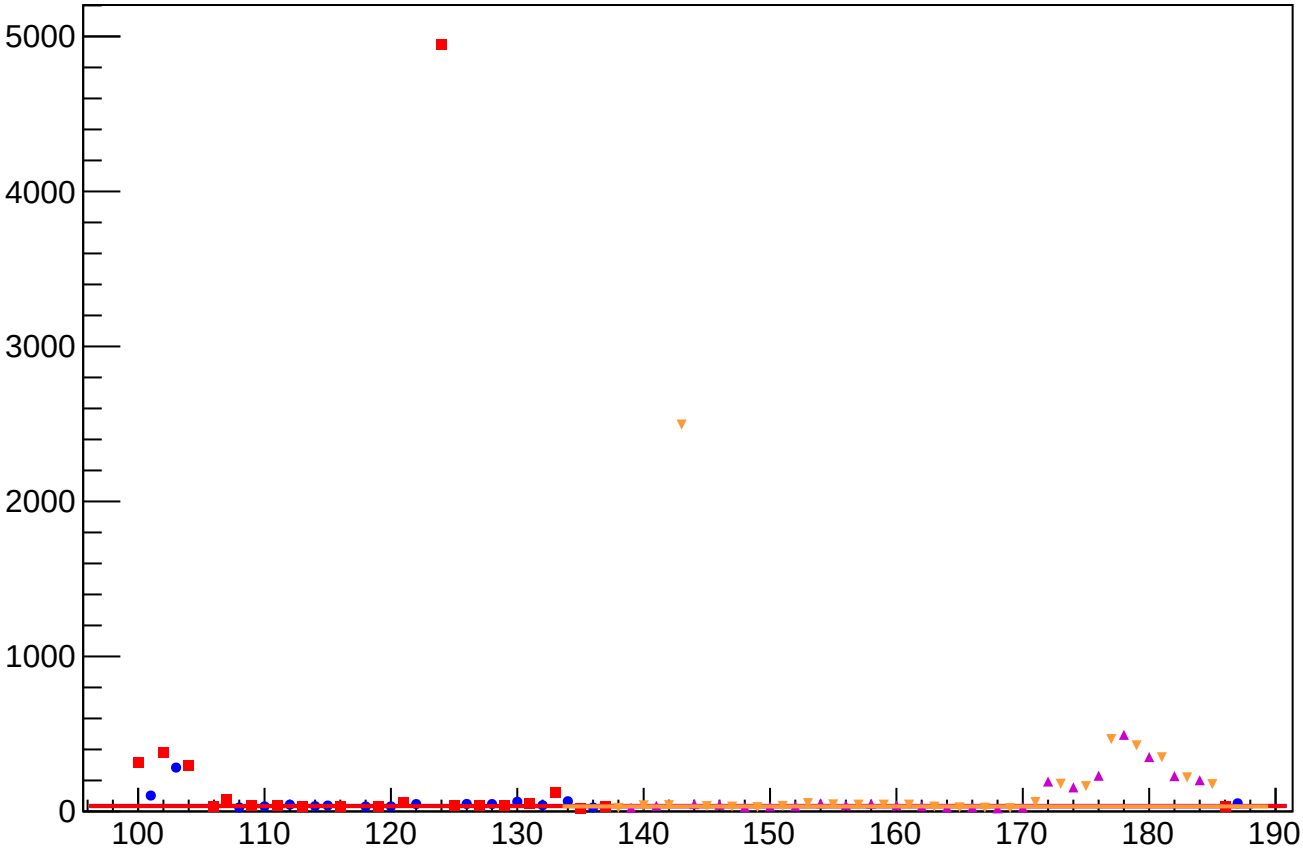
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/84

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

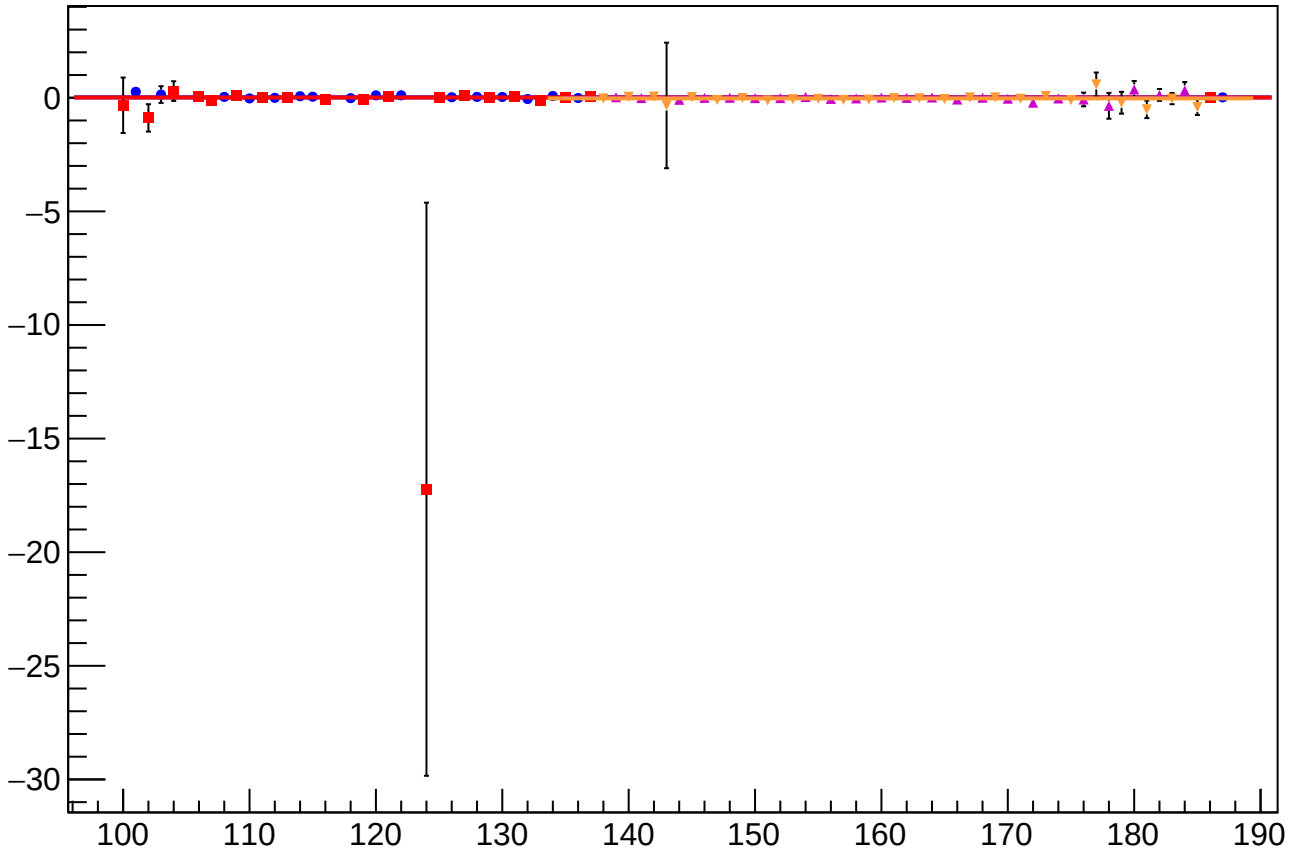
Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244847.8/41

All: 33.350+/-0.004 χ^2/NDF: 25163043.7/84

- sign 33.193+/-0.006 χ^2/NDF: 11916653.7/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

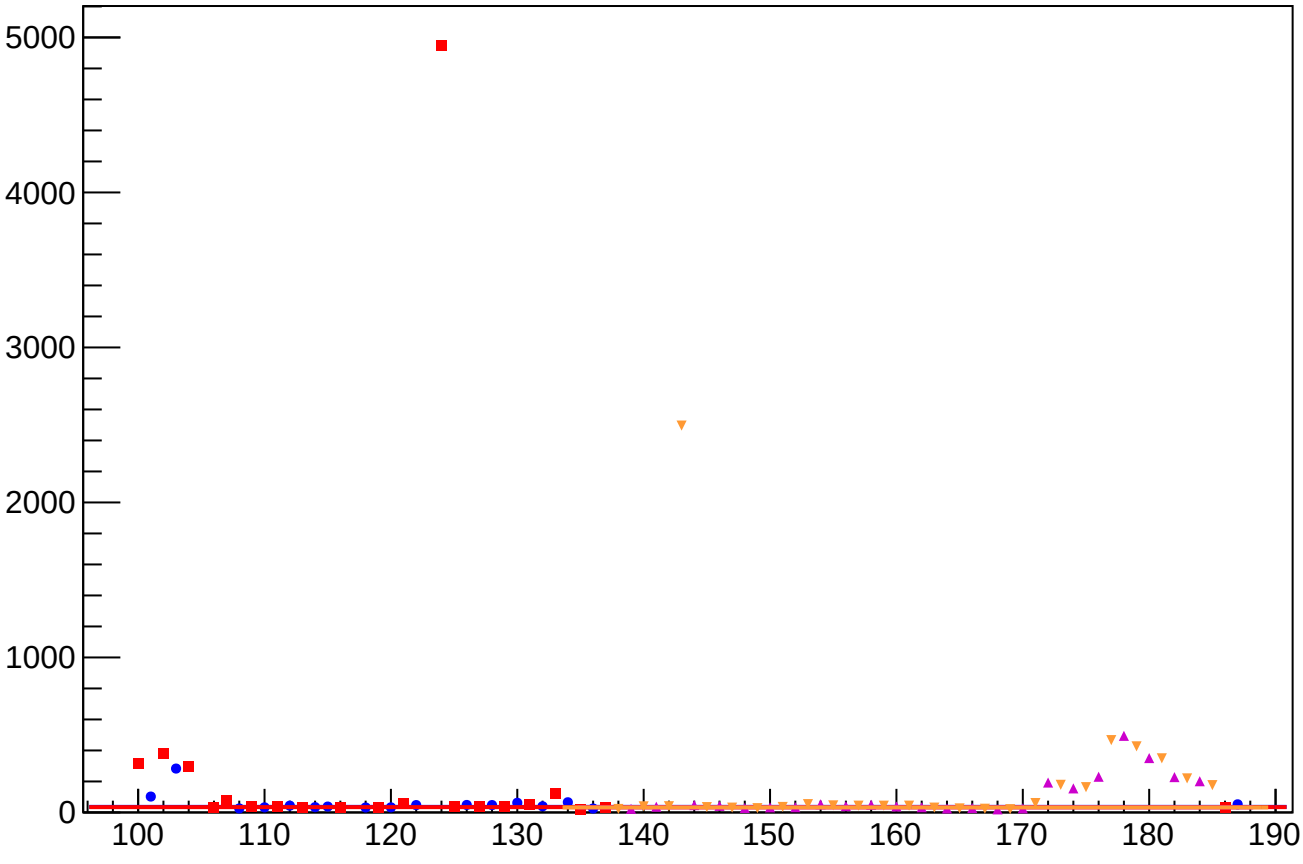
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/84

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

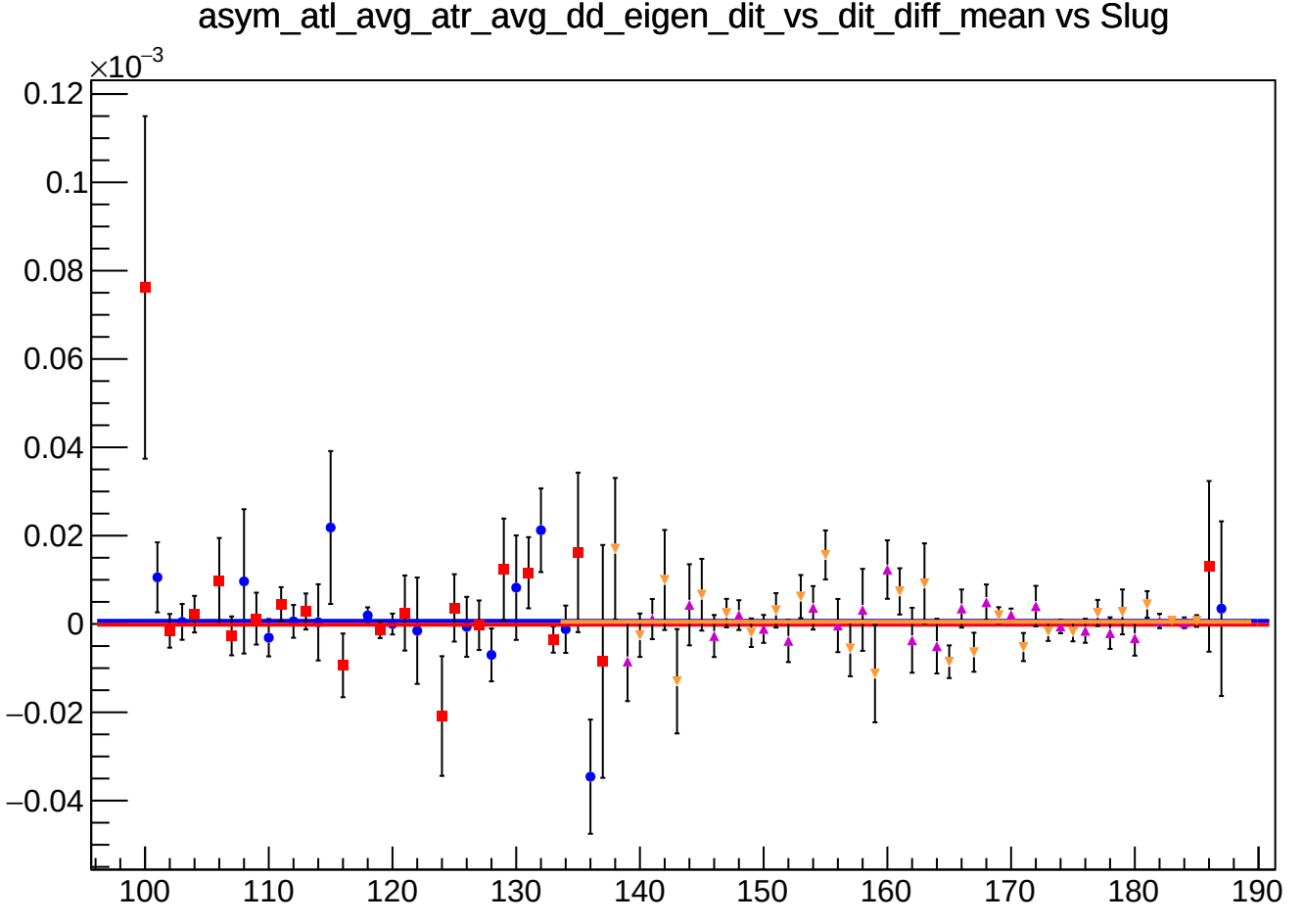
Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

\+ sign 33.509+/-0.006 χ^2/NDF: 13244847.8/41

All: 33.350+/-0.004 χ^2/NDF: 25163043.7/84

\- sign 33.193+/-0.006 χ^2/NDF: 11916653.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

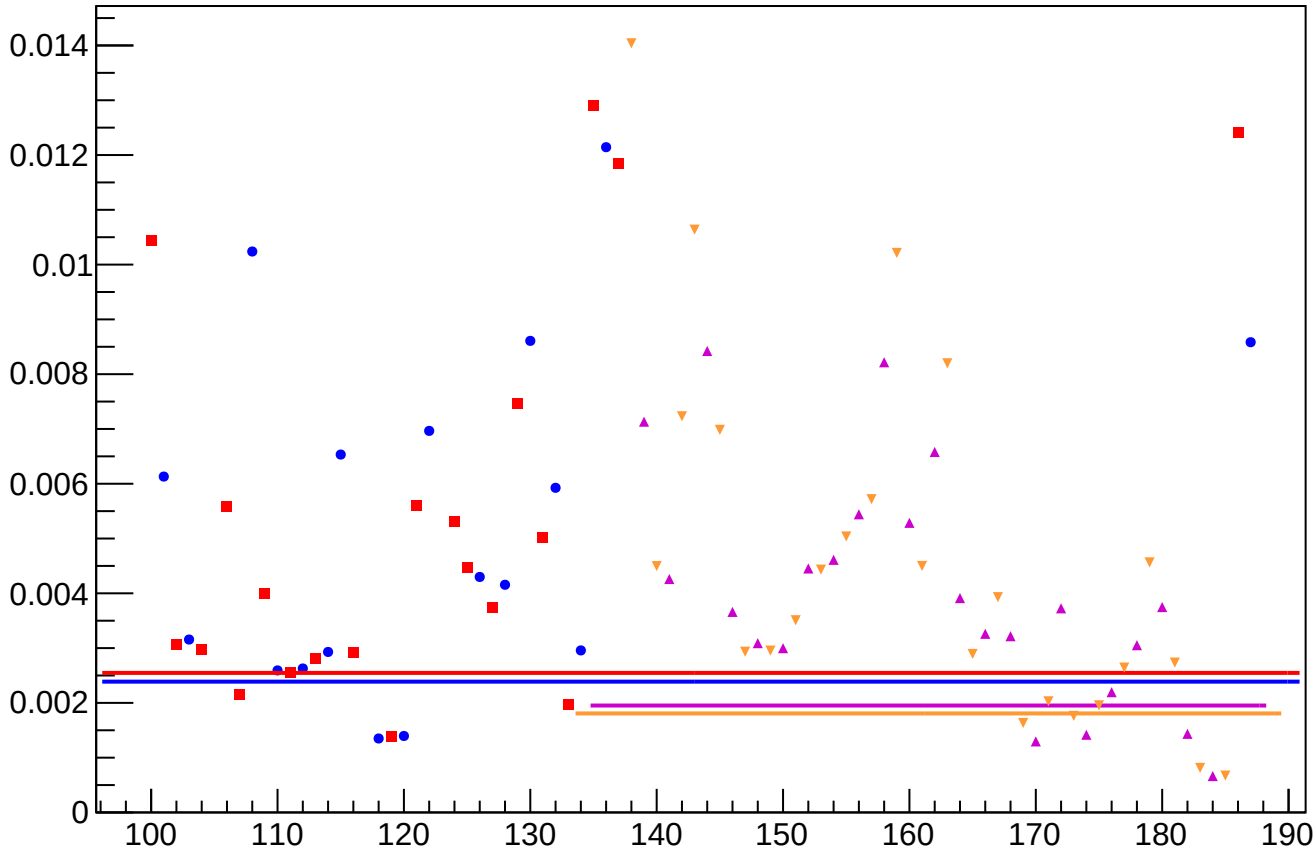
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/19

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/41

All: 0.000+/-0.000 χ^2/NDF: 87.5/84

- sign 0.000+/-0.000 χ^2/NDF: 32.5/42



Right In: 0.002+/-0.000 χ^2/NDF: 4918460.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

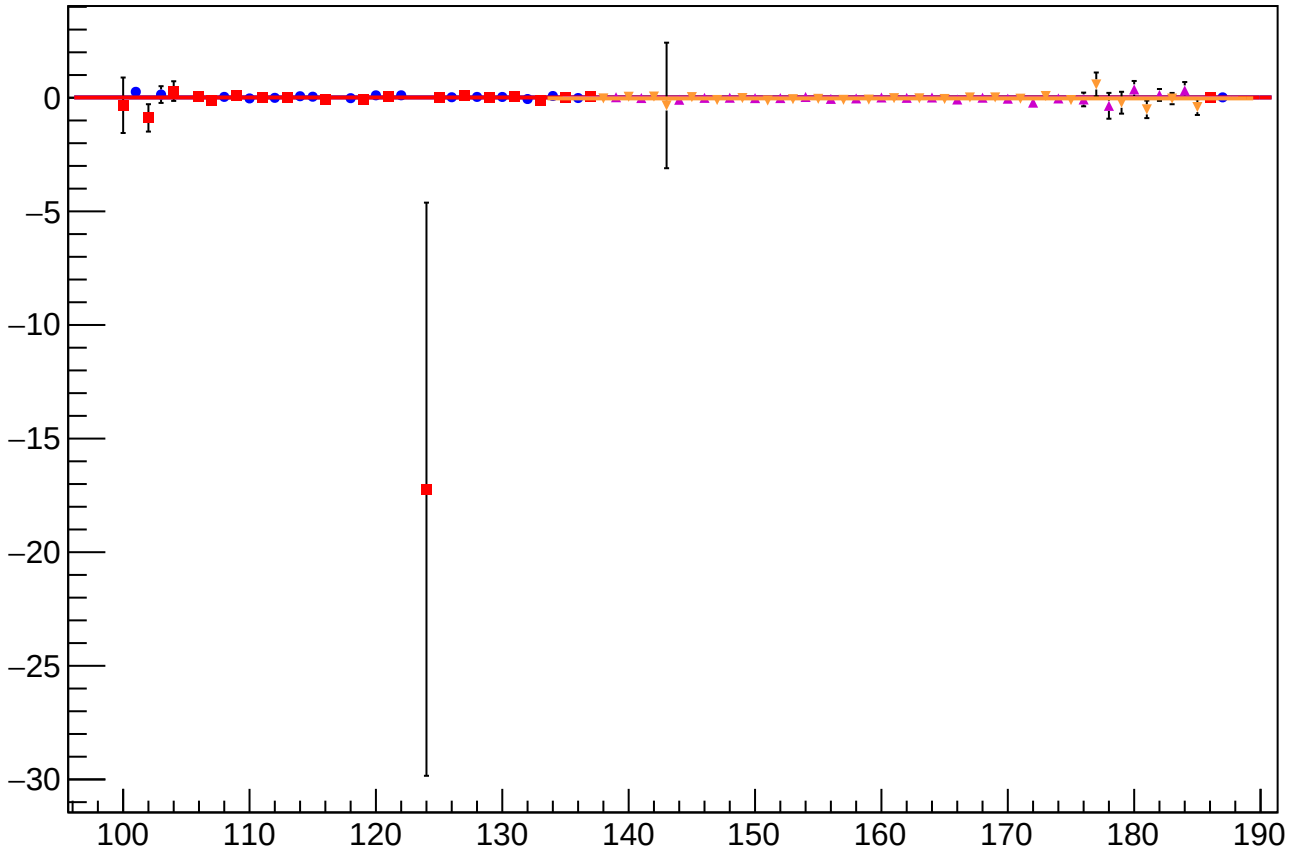
Right Out: 0.003+/-0.000 χ^2/NDF: 3919937.4/19

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 20302926.3/41

All: 0.002+/-0.000 χ^2/NDF: 36296468.3/84

- sign 0.002+/-0.000 χ^2/NDF: 15879358.1/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

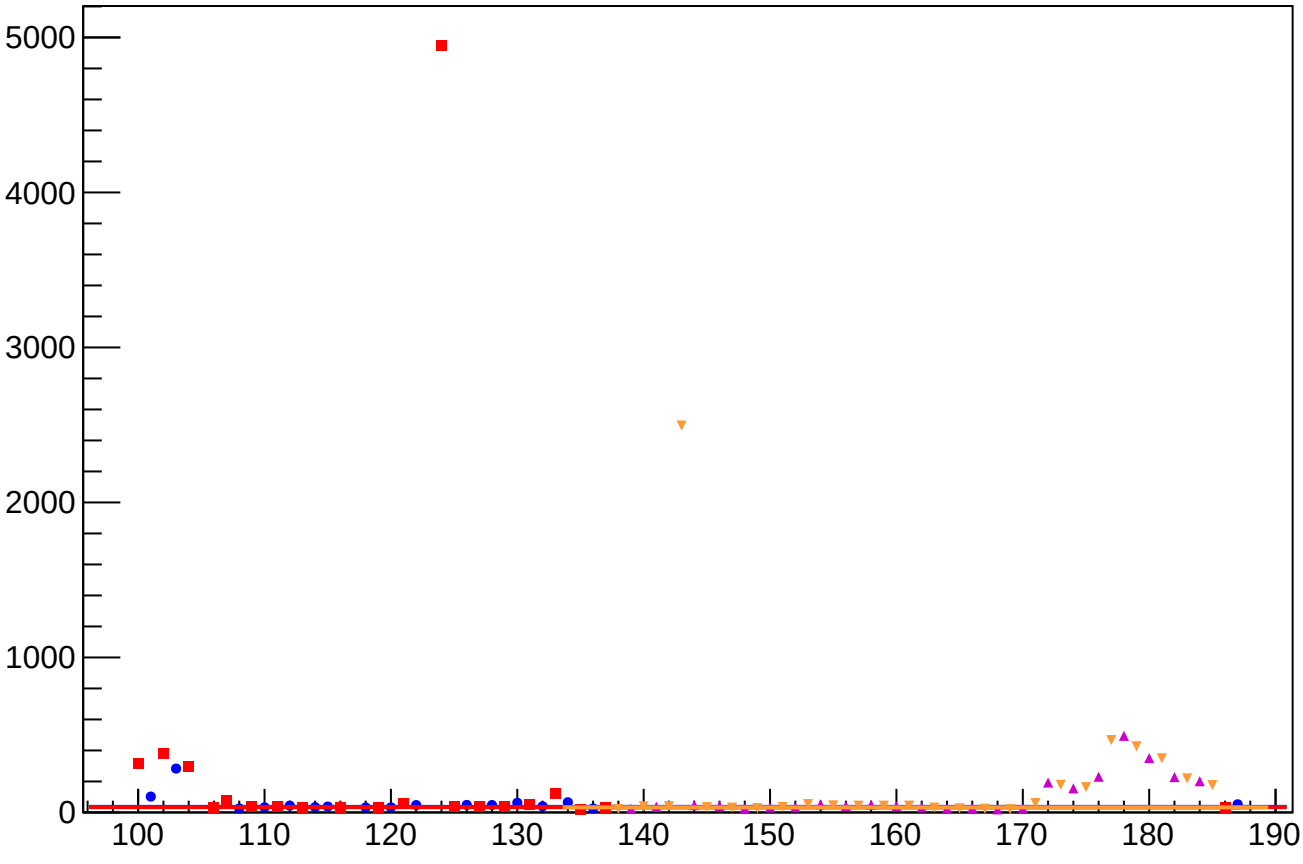
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/84

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

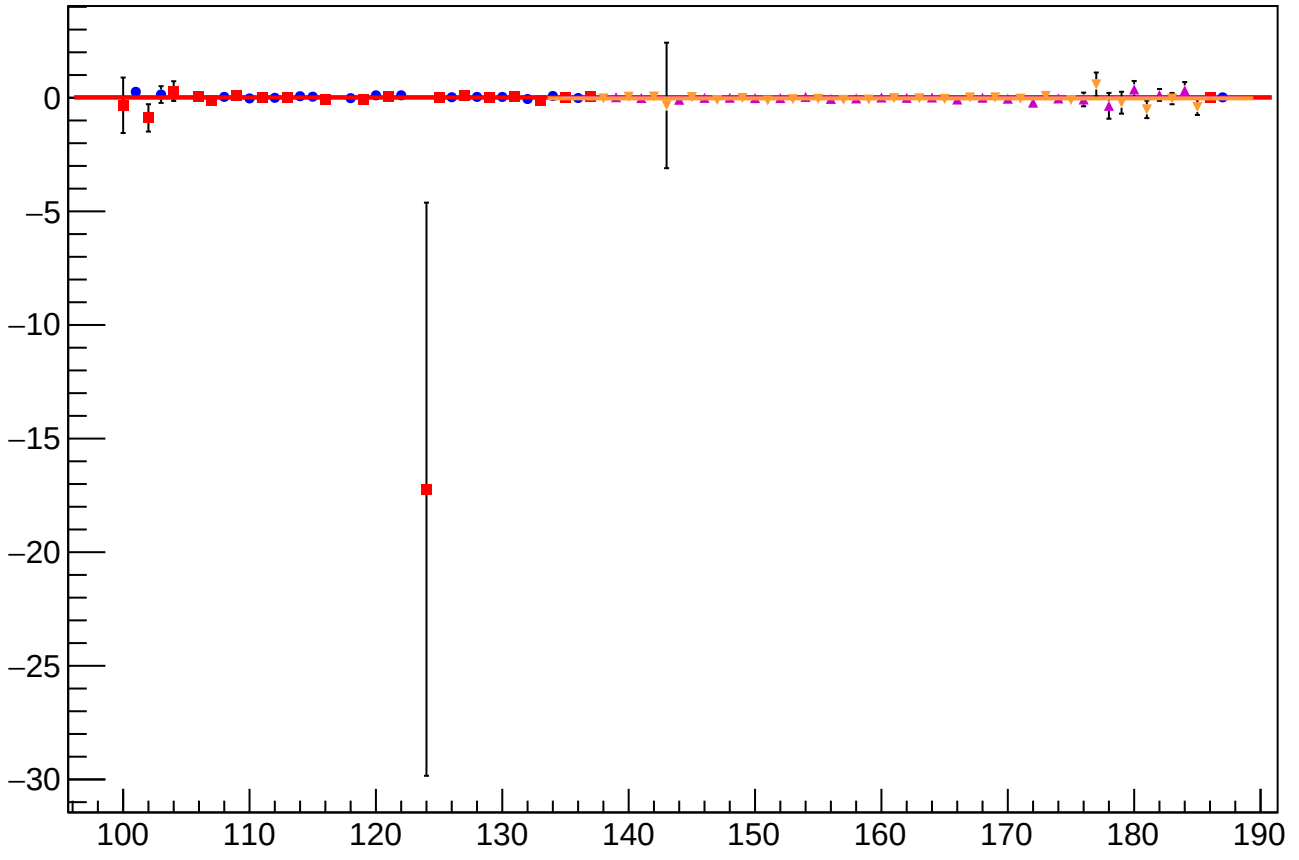
Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244882.2/41

All: 33.349+/-0.004 χ^2/NDF: 25163602.9/84

- sign 33.192+/-0.006 χ^2/NDF: 11917169.0/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

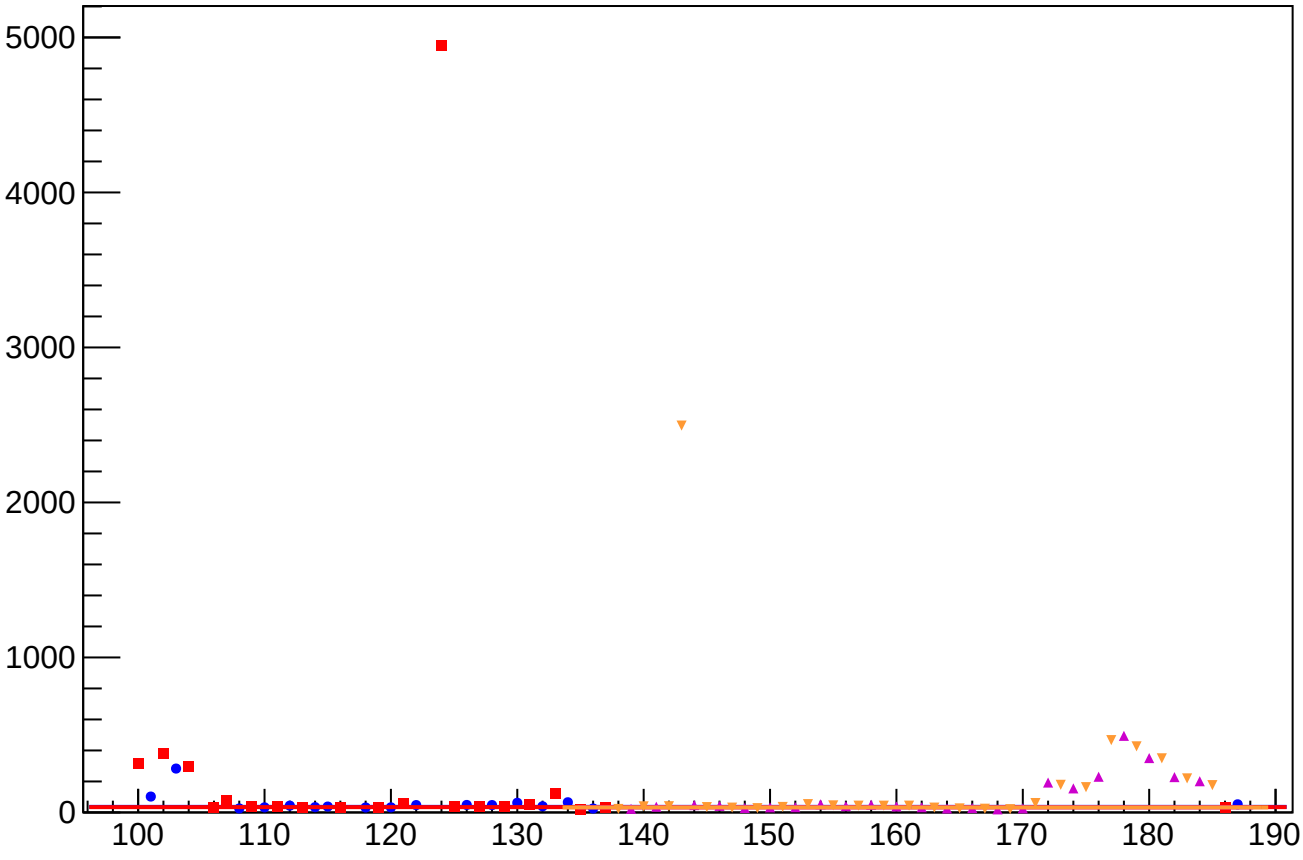
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/84

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

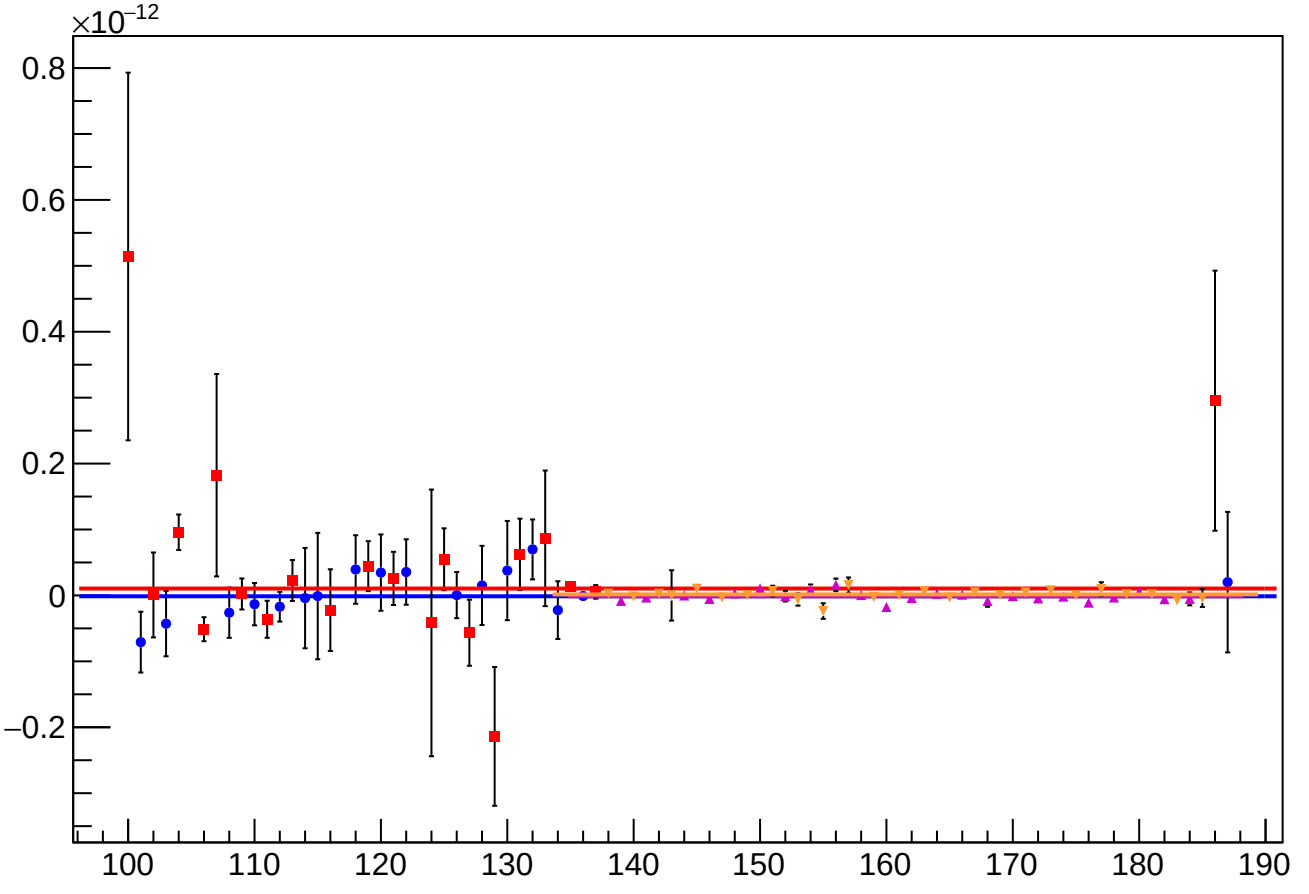
Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244882.2/41

All: 33.349+/-0.004 χ^2/NDF: 25163602.9/84

- sign 33.192+/-0.006 χ^2/NDF: 11917169.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

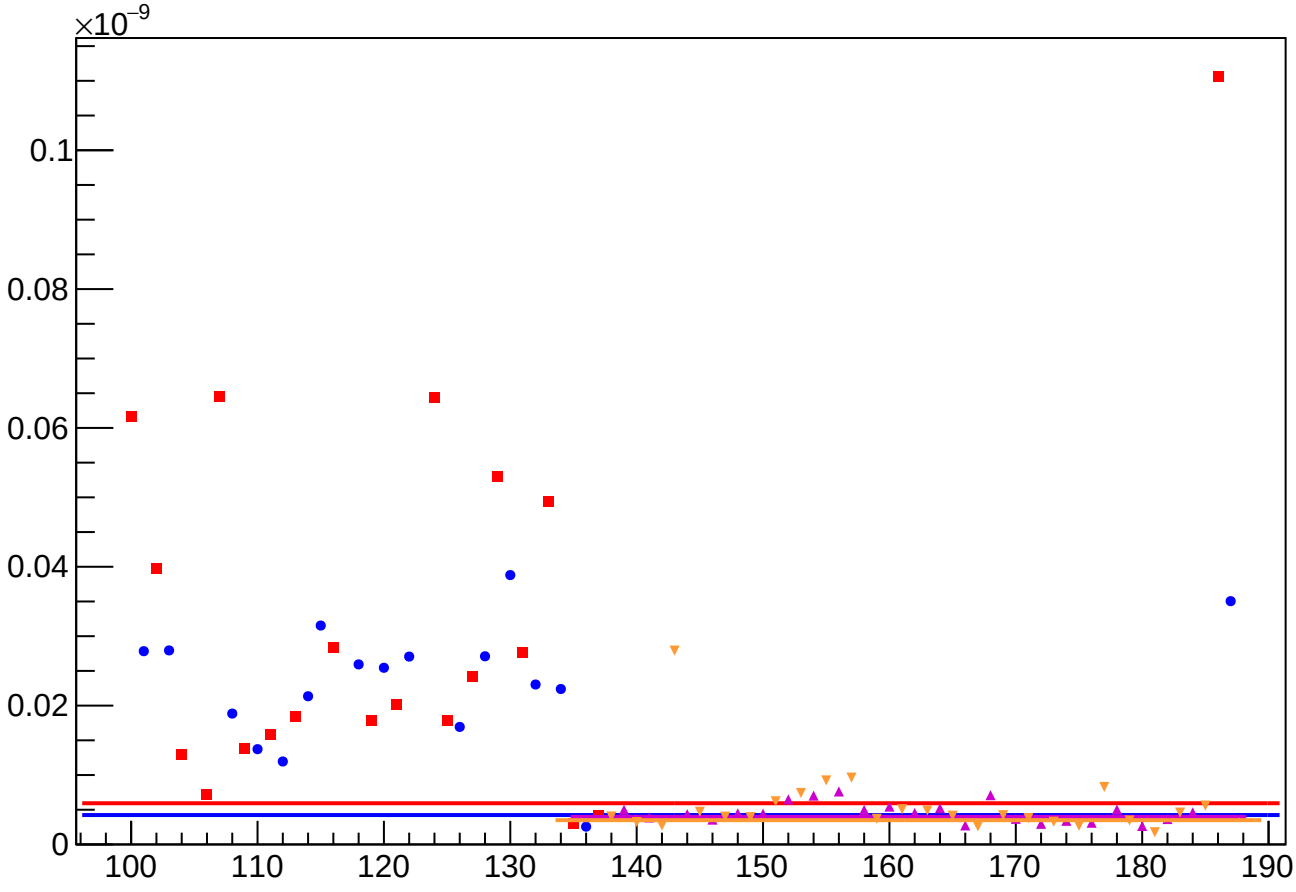
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/19

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/41

All: 0.000+/-0.000 χ^2/NDF: 106.4/84

- sign -0.000+/-0.000 χ^2/NDF: 77.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 5247535.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5423776.8/19

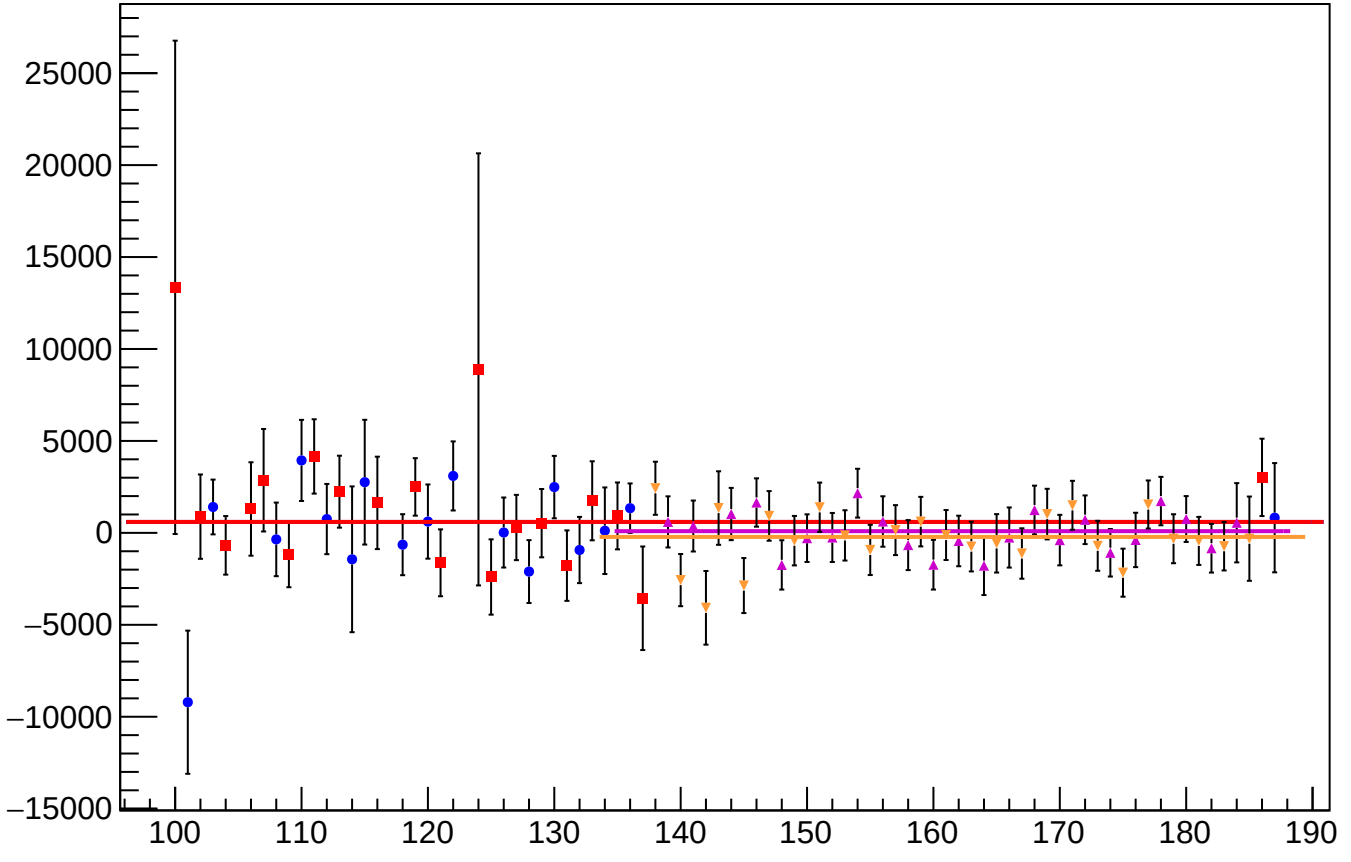
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10020891.1/41

All: 0.000+/-0.000 χ^2/NDF: 18200540.2/84

- sign 0.000+/-0.000 χ^2/NDF: 7908003.8/42

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 593.024+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 595.367+/-468.449 χ^2/NDF: 18.2/19

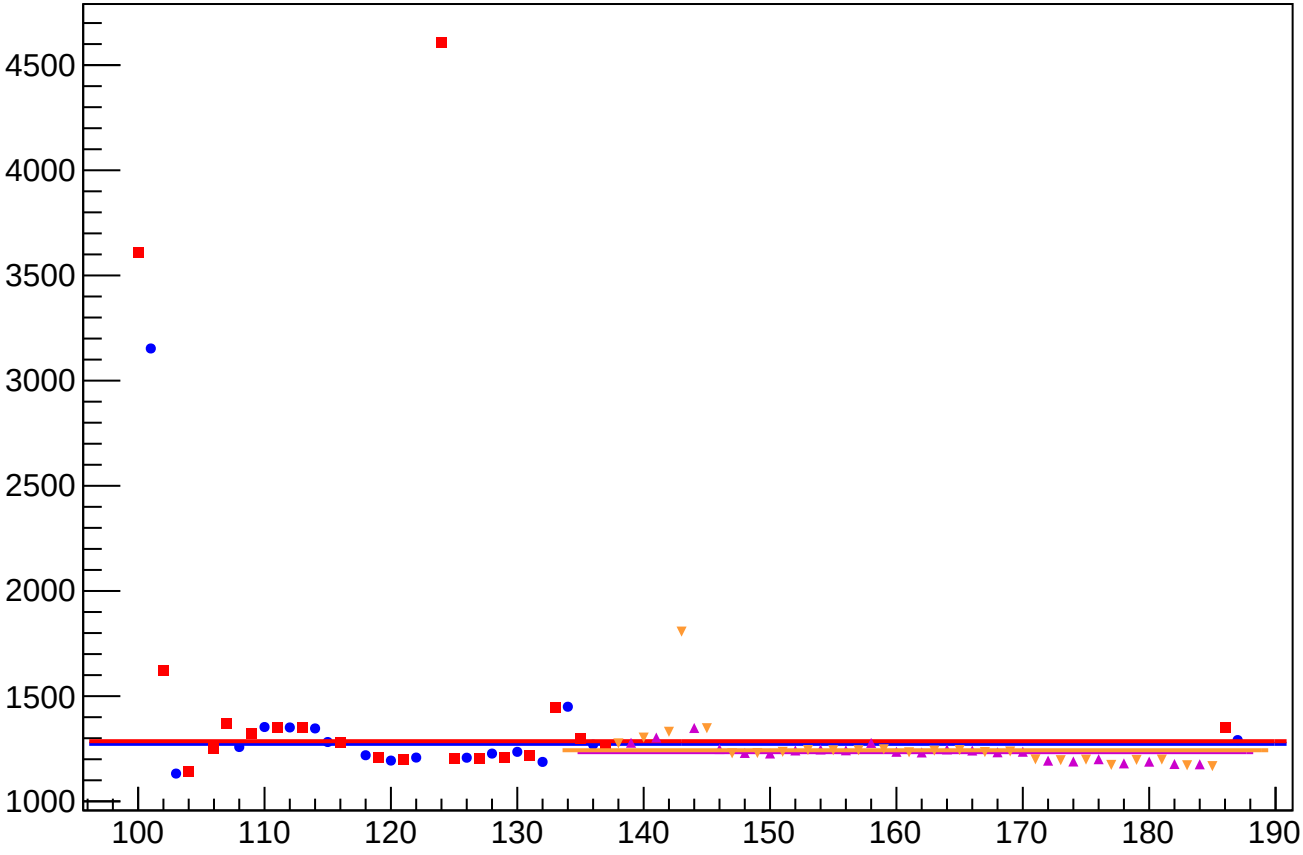
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign -8.271+/-243.316 χ^2/NDF: 43.2/41

All: 110.066+/-172.809 χ^2/NDF: 77.4/84

- sign 230.514+/-245.476 χ^2/NDF: 33.8/42

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519372.5/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

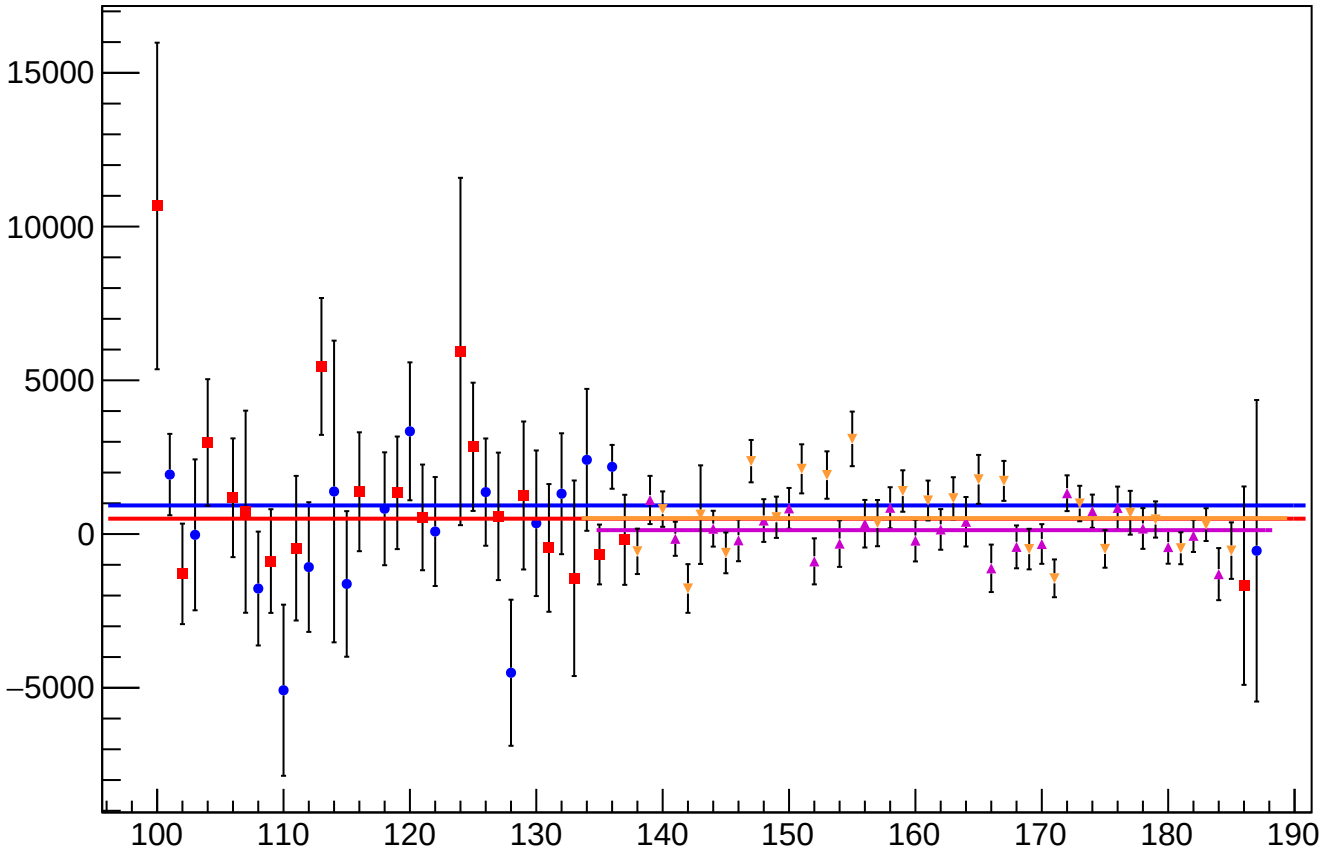
Right Out: 1285.878+/-0.331 χ^2/NDF: 324234.7/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728714.8/41

All: 1249.432+/-0.122 χ^2/NDF: 1110318.0/84

- sign 1248.066+/-0.174 χ^2/NDF: 381480.3/42



Right In: 930.636+/-424.240 χ^2/NDF: 20.0/16

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 500.117+/-435.872 χ^2/NDF: 17.6/19

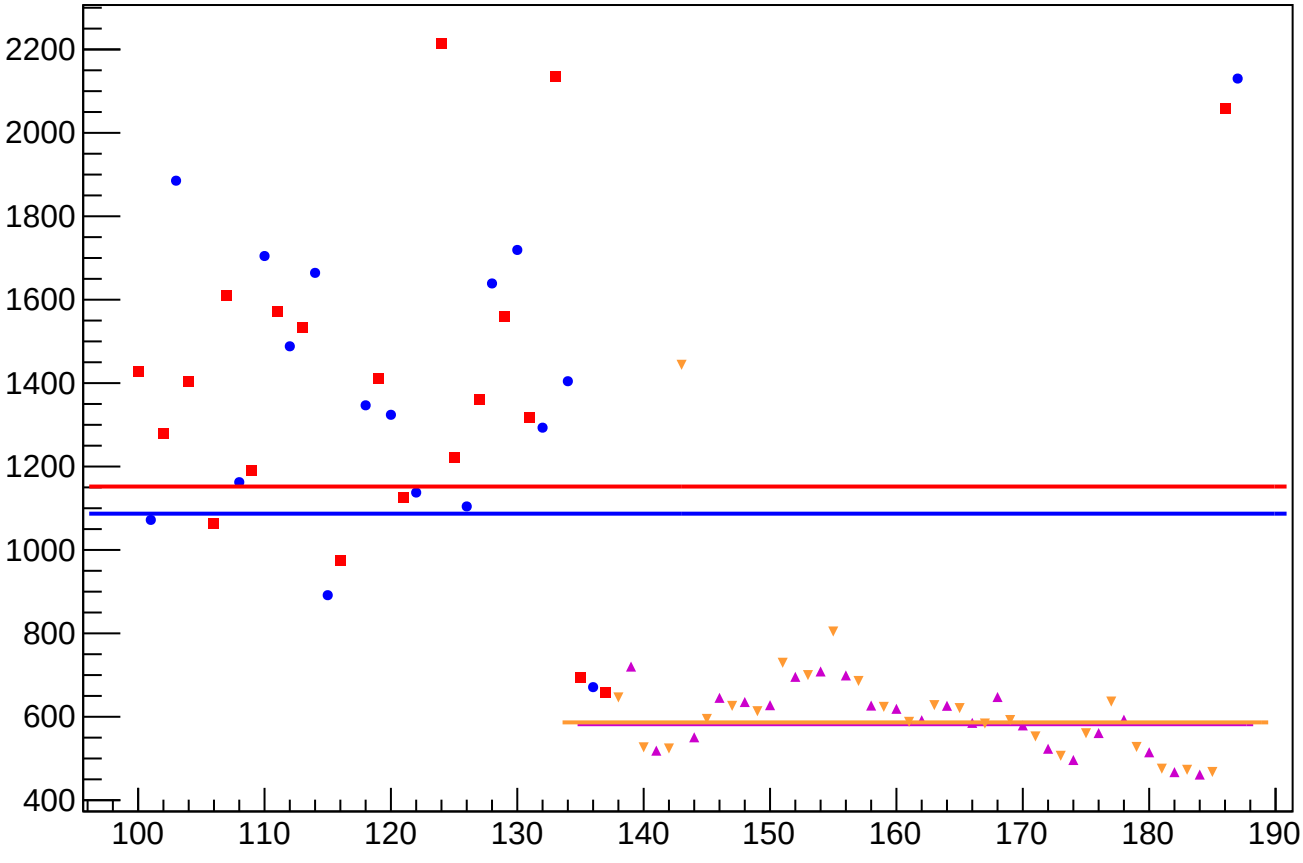
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 555.228+/-129.289 χ^2/NDF: 87.9/41

All: 360.238+/-91.995 χ^2/NDF: 132.3/84

- sign 160.274+/-130.927 χ^2/NDF: 39.9/42

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1086.989+/-0.300 χ^2/NDF: 1573454.6/16

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1152.023+/-0.308 χ^2/NDF: 1454083.5/19

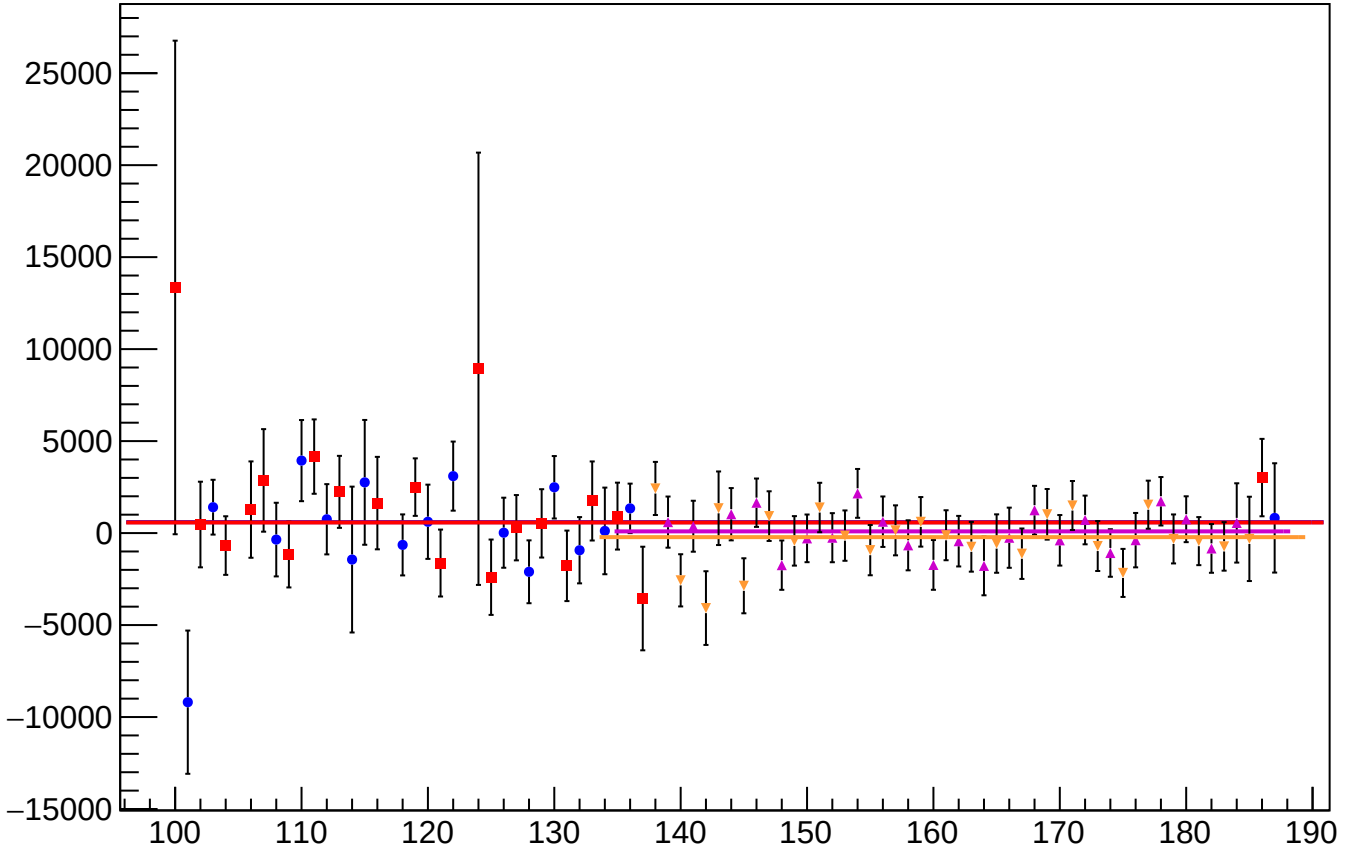
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 633.035+/-0.091 χ^2/NDF: 5300799.6/41

All: 633.317+/-0.065 χ^2/NDF: 10424021.6/84

- sign 633.605+/-0.093 χ^2/NDF: 5123202.8/42

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.199+/-469.207 χ^2/NDF: 18.2/19

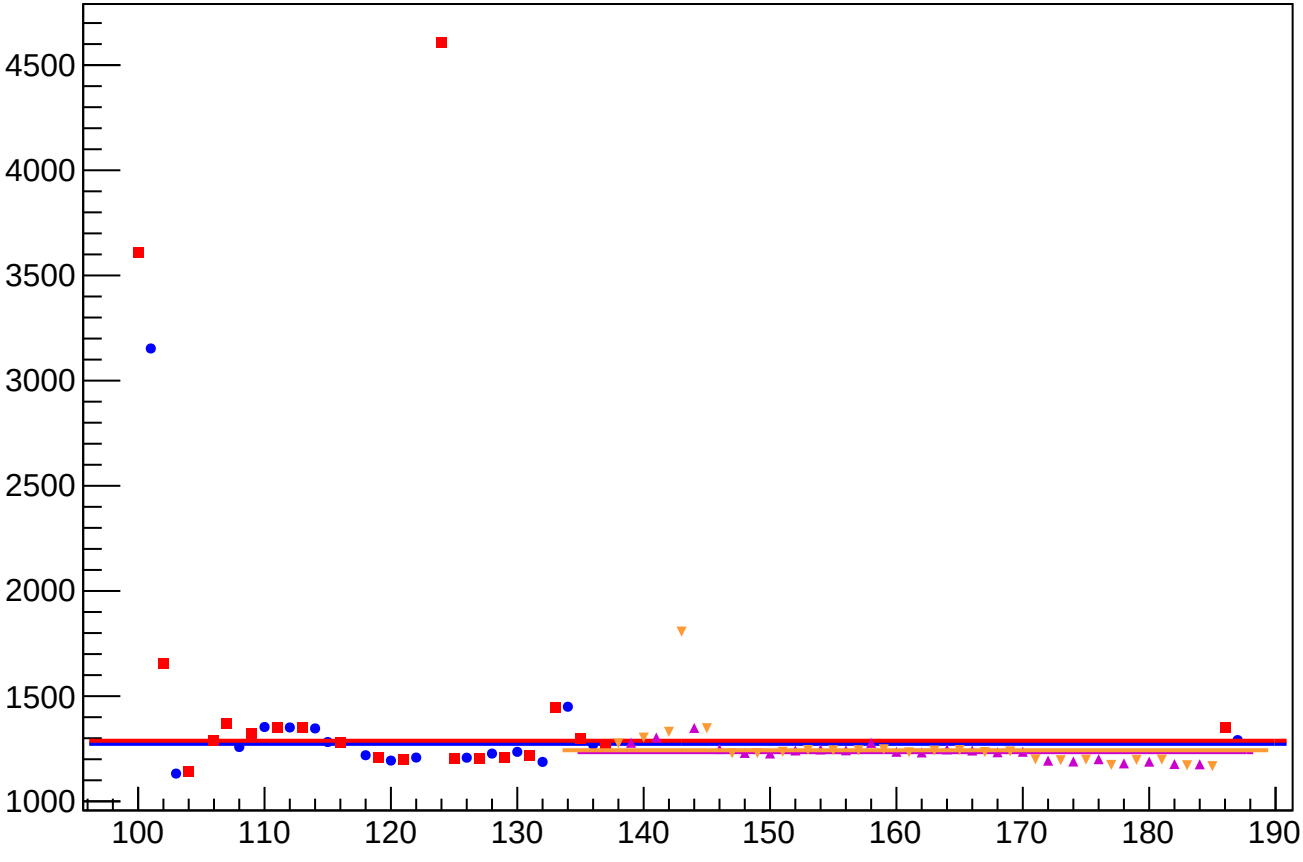
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign -8.214+/-243.316 χ^2/NDF: 43.1/41

All: 107.306+/-172.847 χ^2/NDF: 77.3/84

- sign 224.990+/-245.585 χ^2/NDF: 33.7/42

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

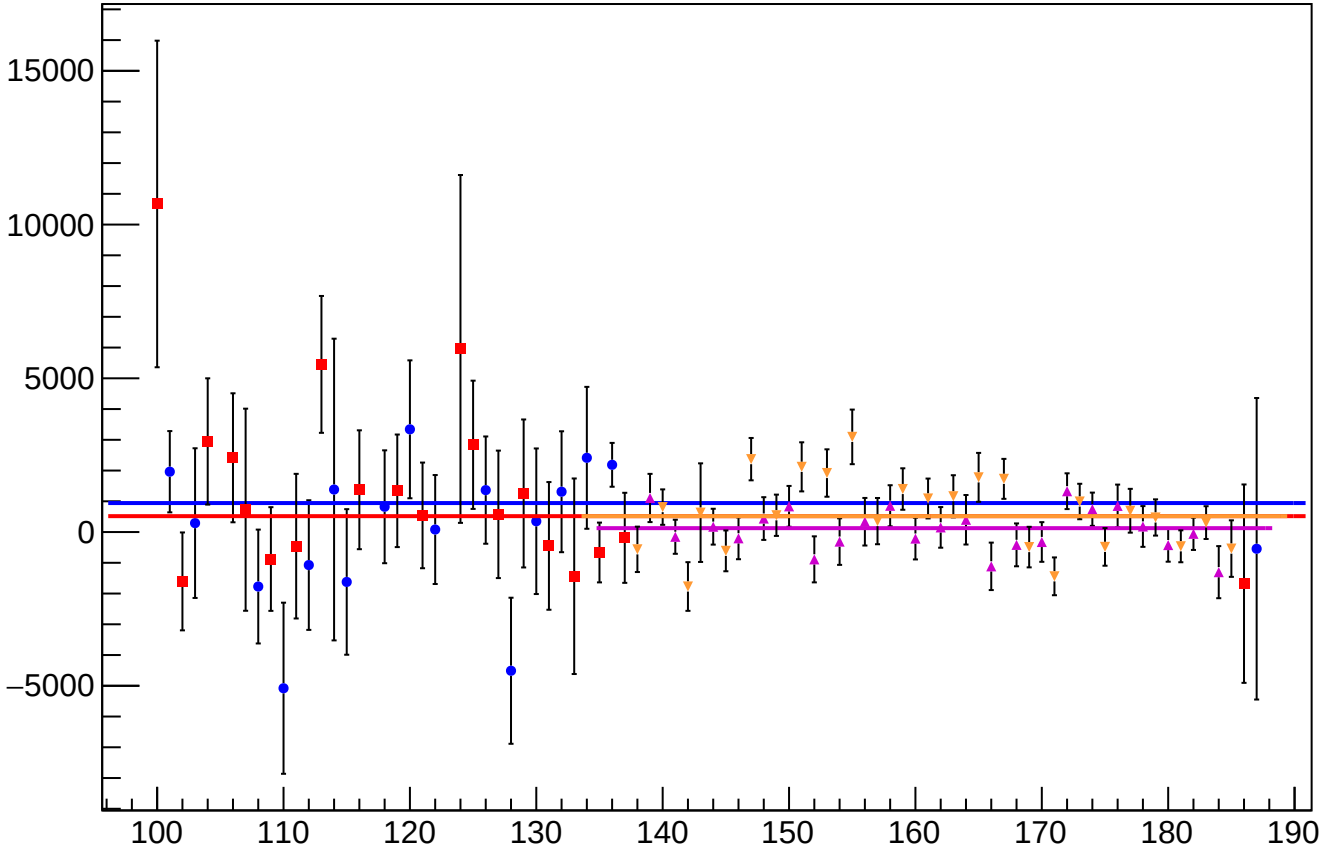
Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728716.1/41

All: 1249.713+/-0.122 χ^2/NDF: 1118285.4/84

- sign 1248.632+/-0.174 χ^2/NDF: 389492.4/42

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

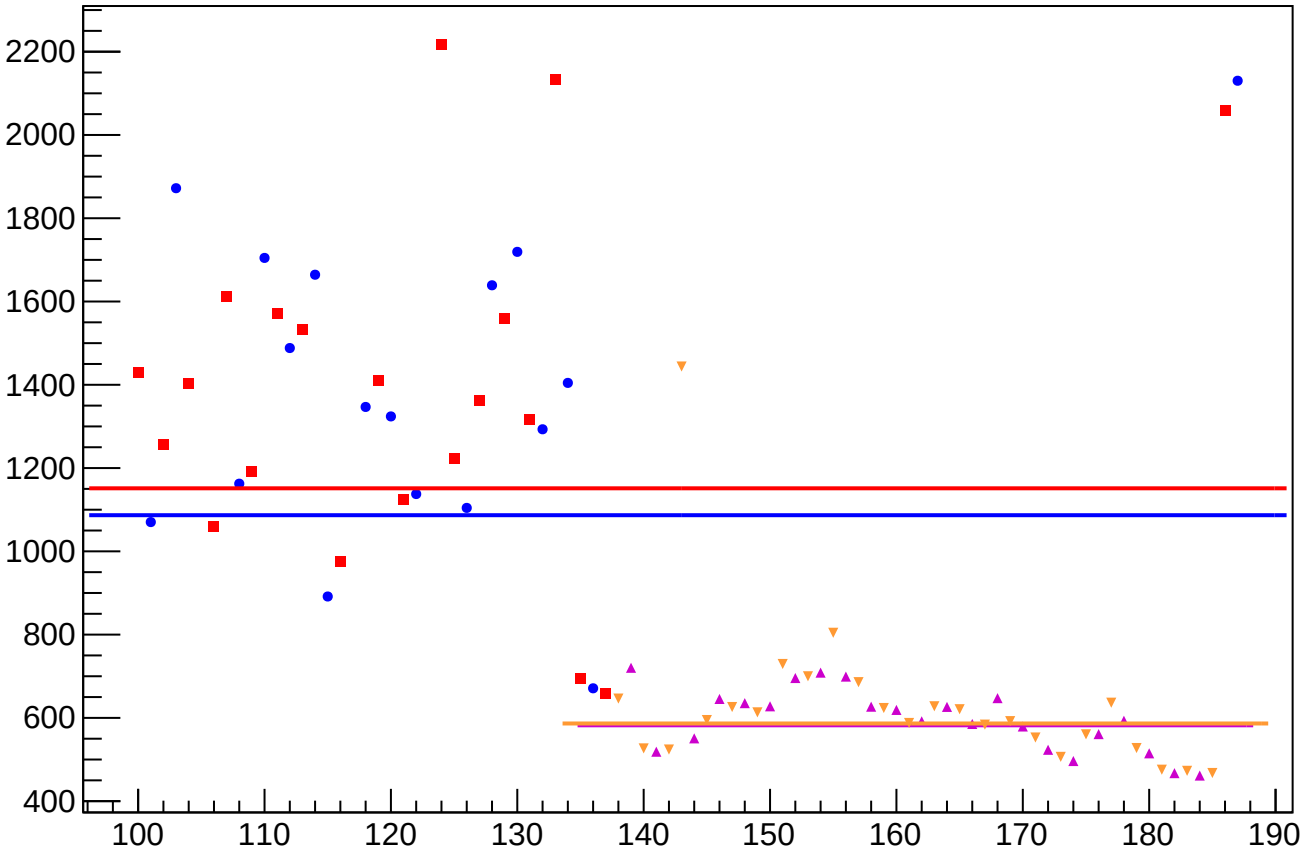
Right Out: 516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 556.418+/-129.285 χ^2/NDF: 87.9/41

All: 361.561+/-92.001 χ^2/NDF: 133.6/84

- sign 161.653+/-130.949 χ^2/NDF: 41.1/42



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

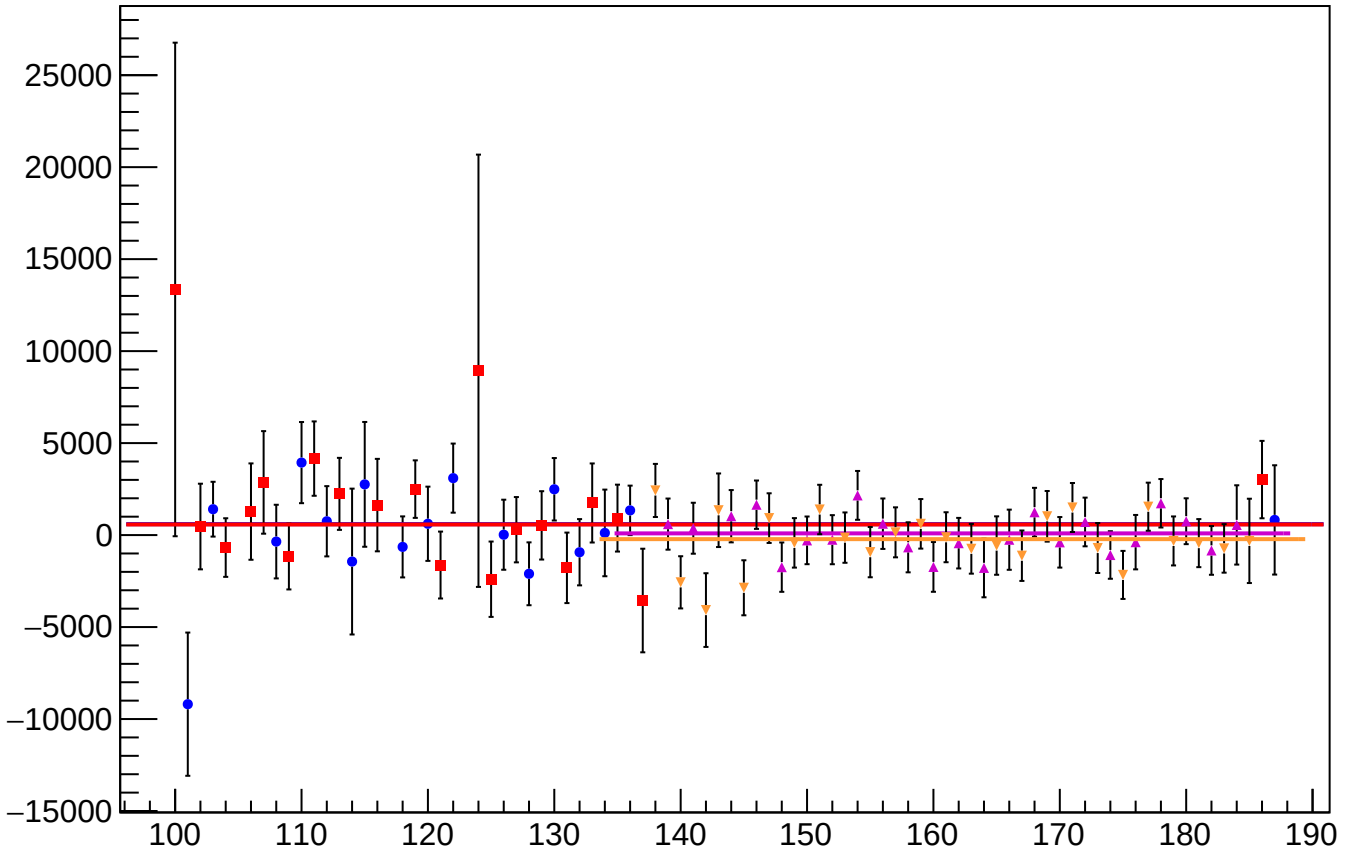
Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 633.056+/-0.091 χ^2/NDF: 5297113.9/41

All: 633.210+/-0.065 χ^2/NDF: 10398531.6/84

- sign 633.367+/-0.093 χ^2/NDF: 5101412.0/42



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.199+/-469.207 χ^2/NDF: 18.2/19

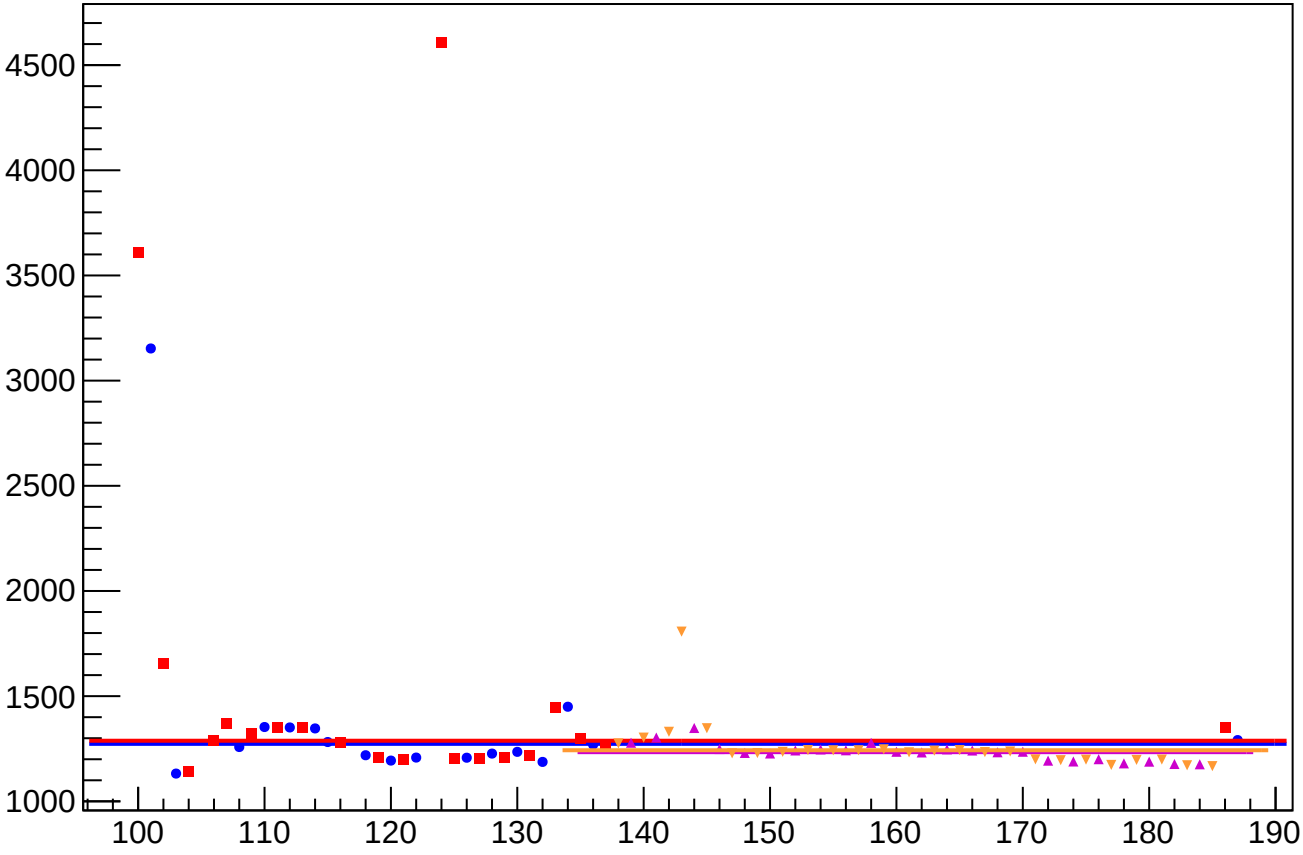
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -8.214+/-243.316 χ^2/NDF: 43.1/41

All: 107.306+/-172.847 χ^2/NDF: 77.3/84

\- sign 224.990+/-245.585 χ^2/NDF: 33.7/42

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

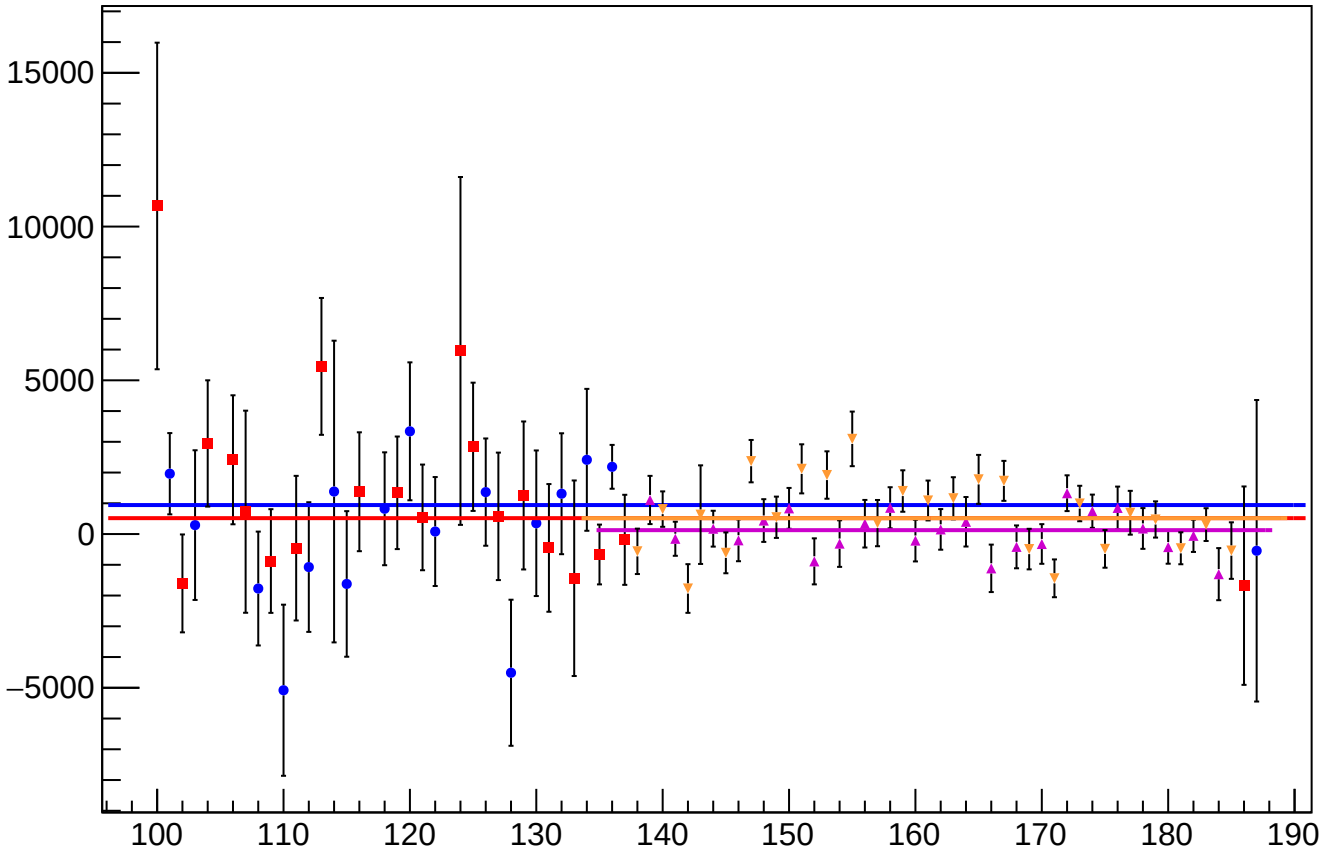
Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728716.1/41

All: 1249.713+/-0.122 χ^2/NDF: 1118285.4/84

- sign 1248.632+/-0.174 χ^2/NDF: 389492.4/42



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

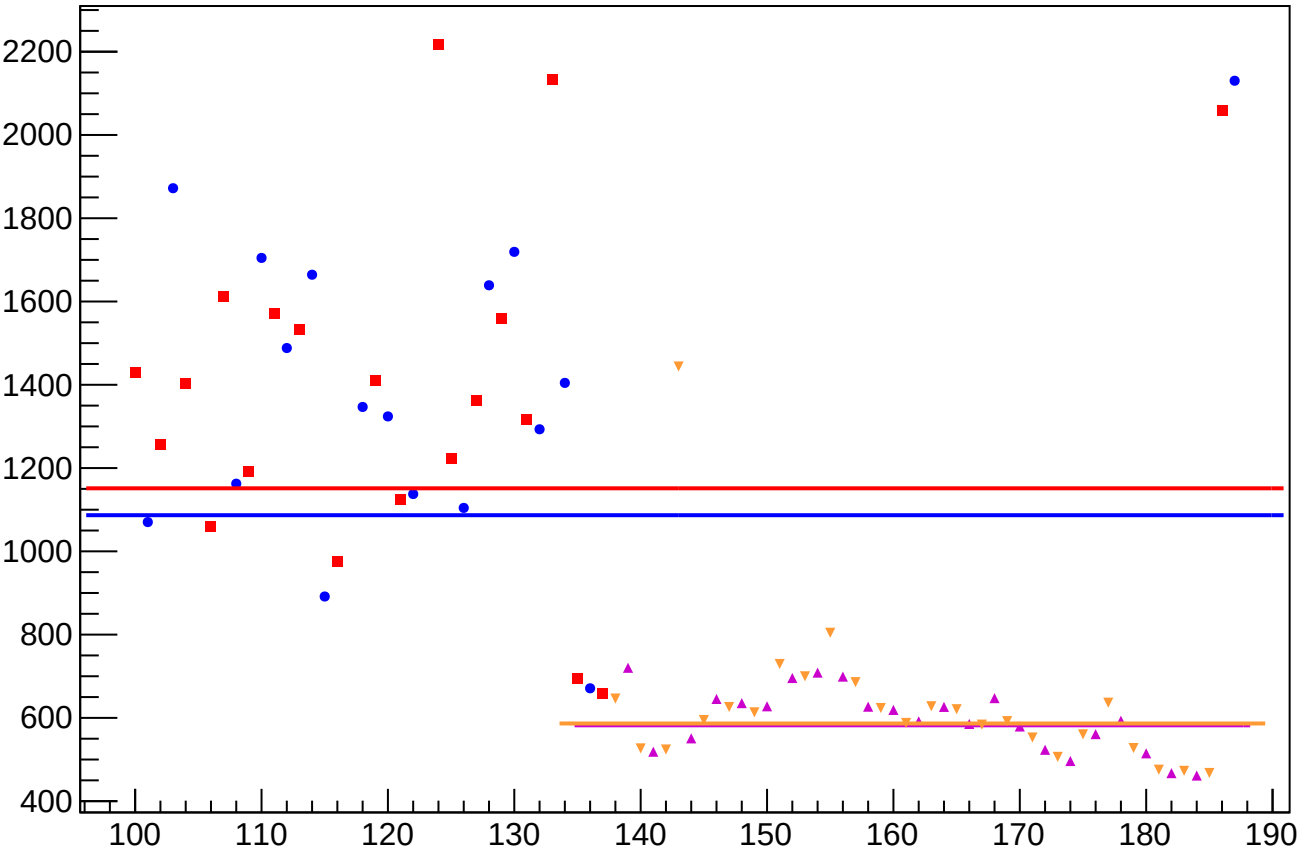
Right Out: 516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 556.418+/-129.285 χ^2/NDF: 87.9/41

All: 361.561+/-92.001 χ^2/NDF: 133.6/84

- sign 161.653+/-130.949 χ^2/NDF: 41.1/42



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

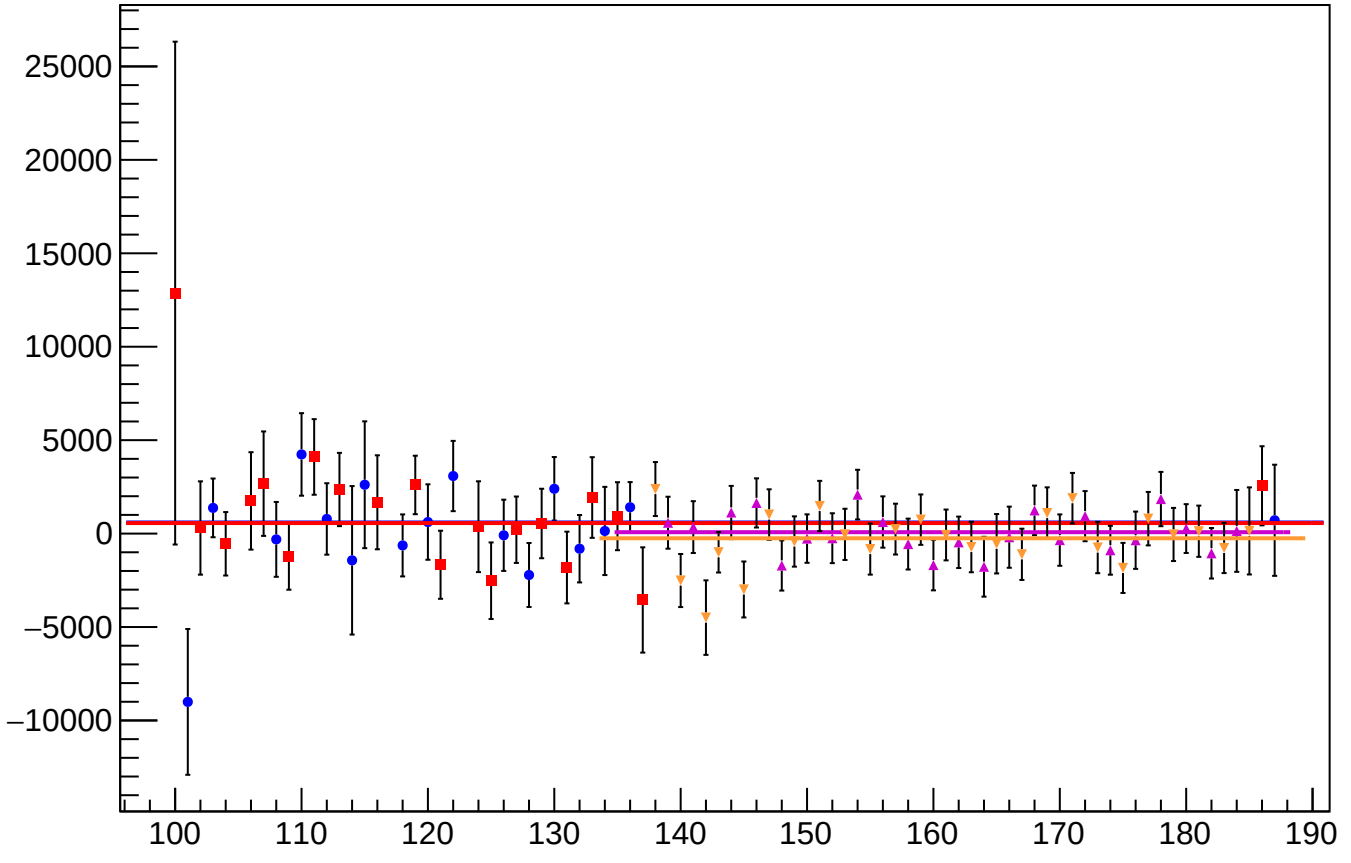
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 633.056+/-0.091 χ^2/NDF: 5297113.9/41

All: 633.210+/-0.065 χ^2/NDF: 10398531.6/84

- sign 633.367+/-0.093 χ^2/NDF: 5101412.0/42

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 593.494+/-479.141 χ^2/NDF: 17.1/16

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 563.764+/-465.143 χ^2/NDF: 17.6/19

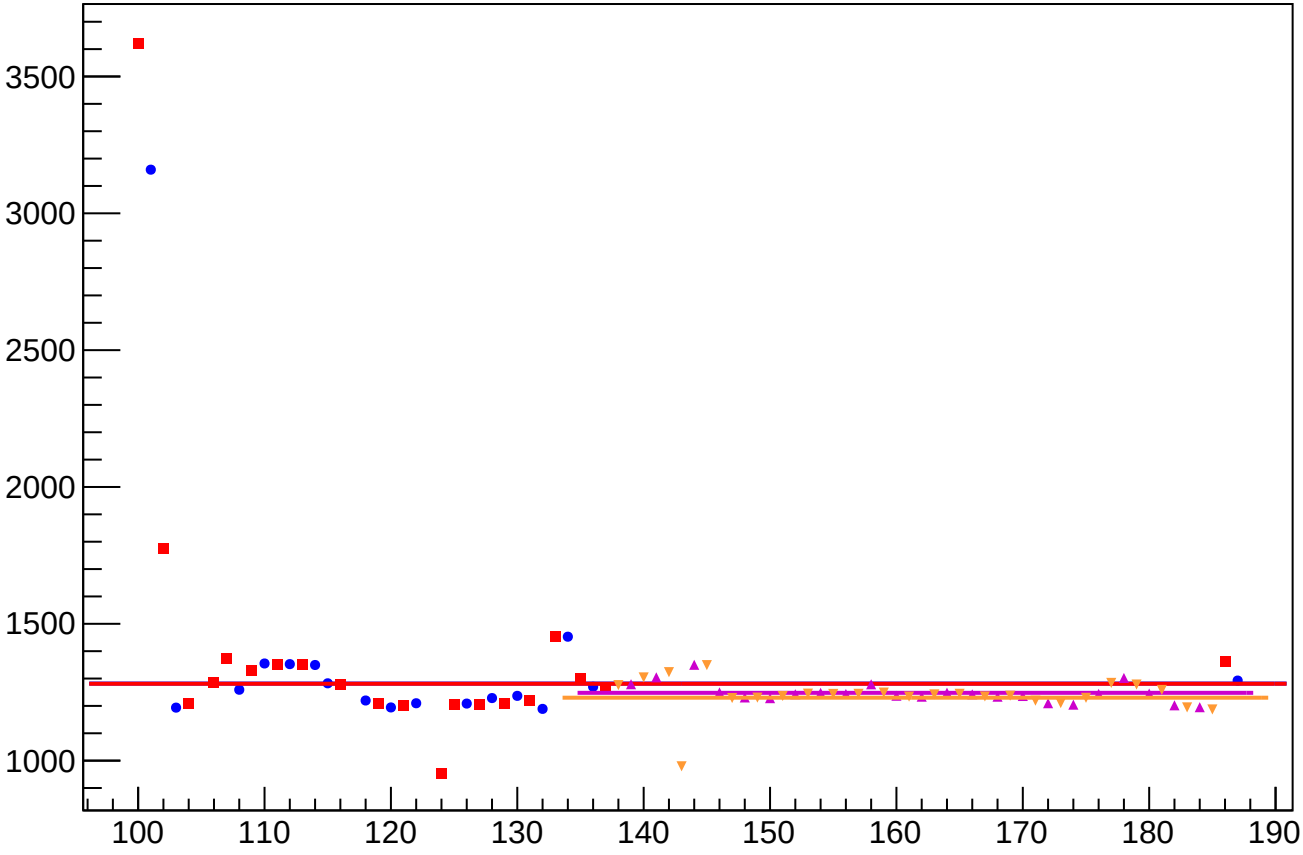
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -35.997+/-241.698 χ^2/NDF: 43.5/41

All: 85.671+/-172.743 χ^2/NDF: 76.4/84

- sign 212.713+/-246.978 χ^2/NDF: 32.4/42

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.2/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

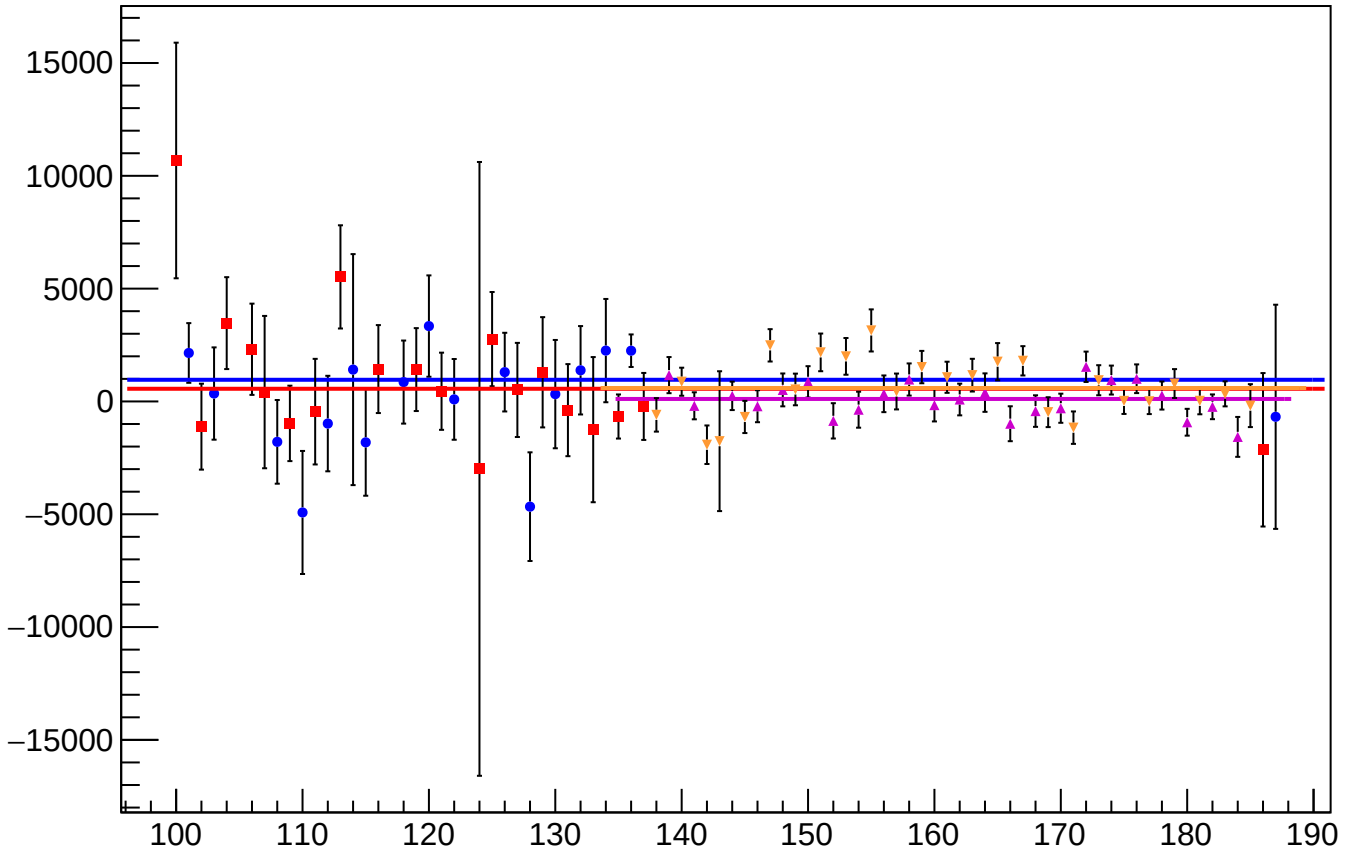
Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.4/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

\+ sign 1243.135+/-0.171 χ^2/NDF: 666056.5/41

All: 1249.986+/-0.122 χ^2/NDF: 927567.1/84

\- sign 1257.139+/-0.175 χ^2/NDF: 258226.3/42



Right In: 960.265+/-423.669 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 561.548+/-443.903 χ^2/NDF: 17.8/19

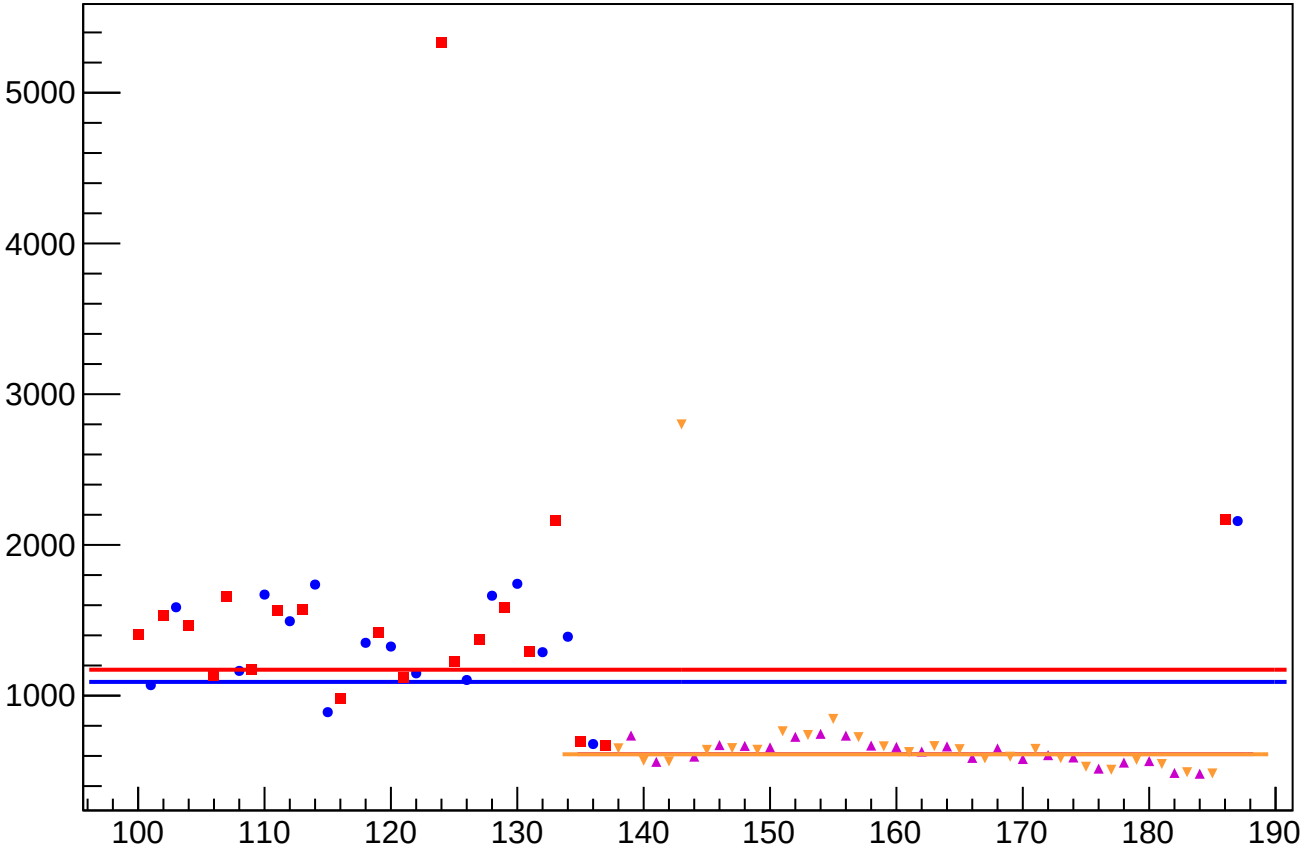
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 631.950+/-134.750 χ^2/NDF: 78.6/41

All: 396.913+/-96.128 χ^2/NDF: 129.2/84

- sign 153.347+/-137.173 χ^2/NDF: 44.4/42

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1091.153+/-0.300 χ^2/NDF: 1453127.6/16

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

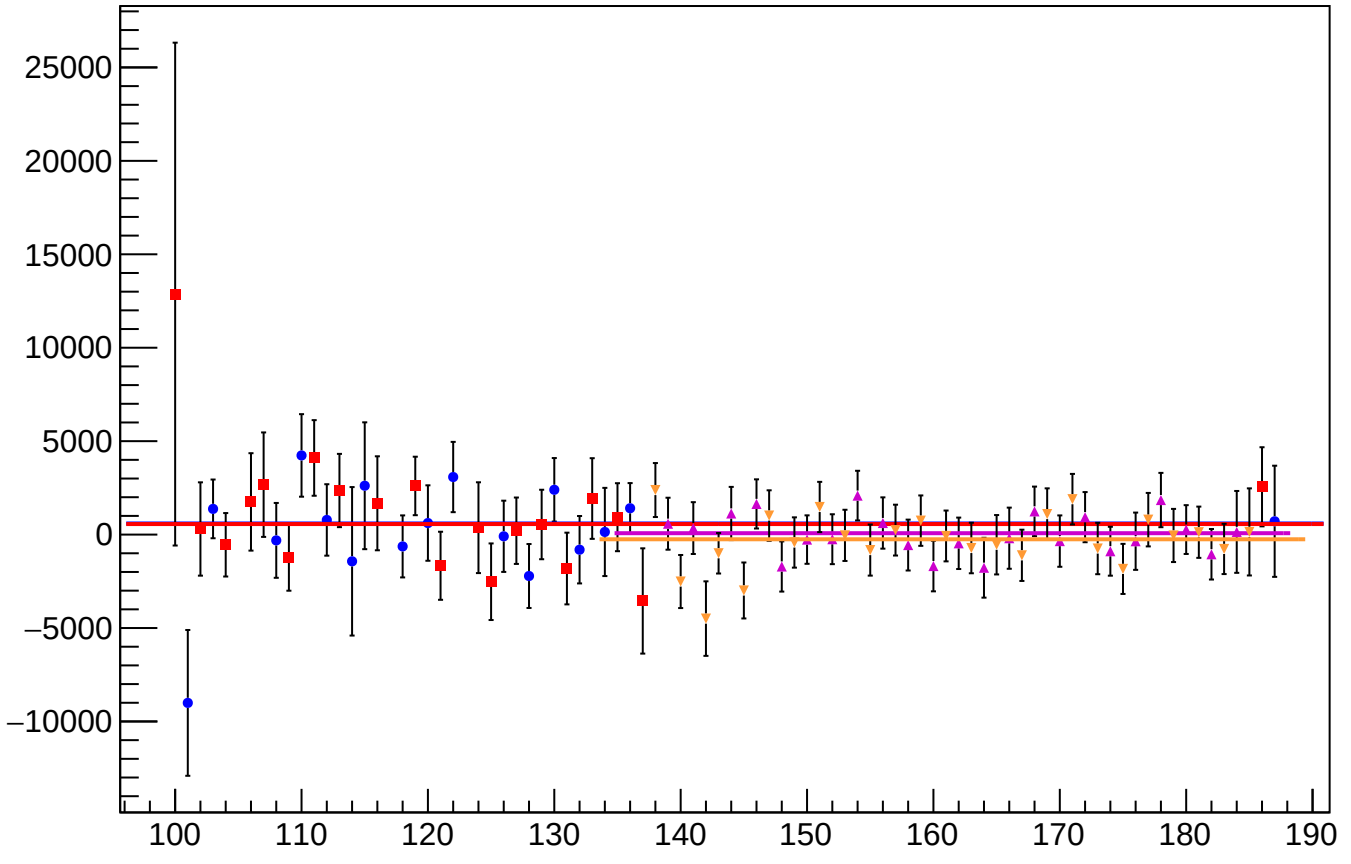
Right Out: 1172.032+/-0.314 χ^2/NDF: 1663693.5/19

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 659.650+/-0.095 χ^2/NDF: 5380589.6/41

All: 662.689+/-0.068 χ^2/NDF: 10430191.9/84

- sign 665.839+/-0.097 χ^2/NDF: 5047530.1/42



Right In: 593.495+/-479.141 χ^2/NDF: 17.1/16

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 563.761+/-465.143 χ^2/NDF: 17.6/19

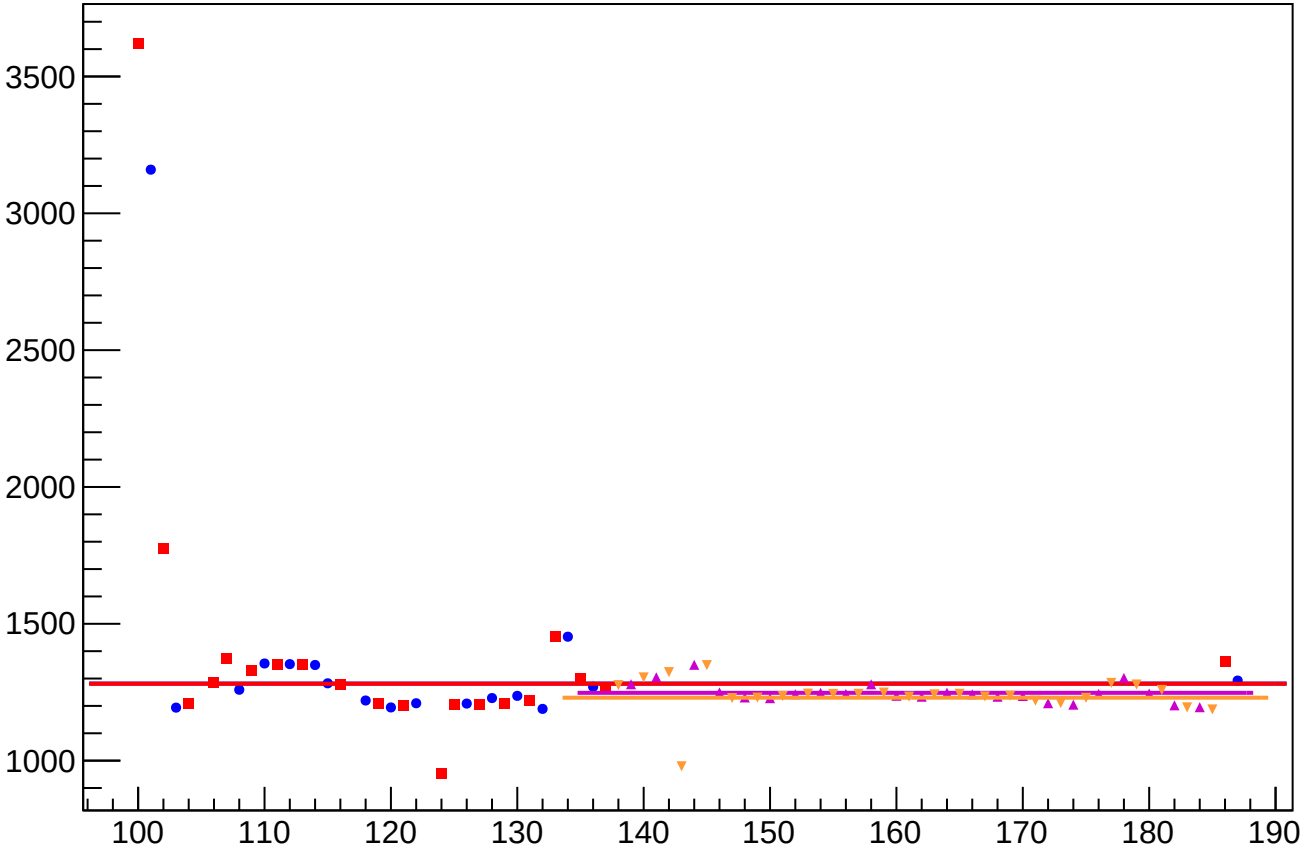
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign -35.998+/-241.698 χ^2/NDF: 43.5/41

All: 85.670+/-172.743 χ^2/NDF: 76.4/84

\- sign 212.712+/-246.978 χ^2/NDF: 32.4/42

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.3/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

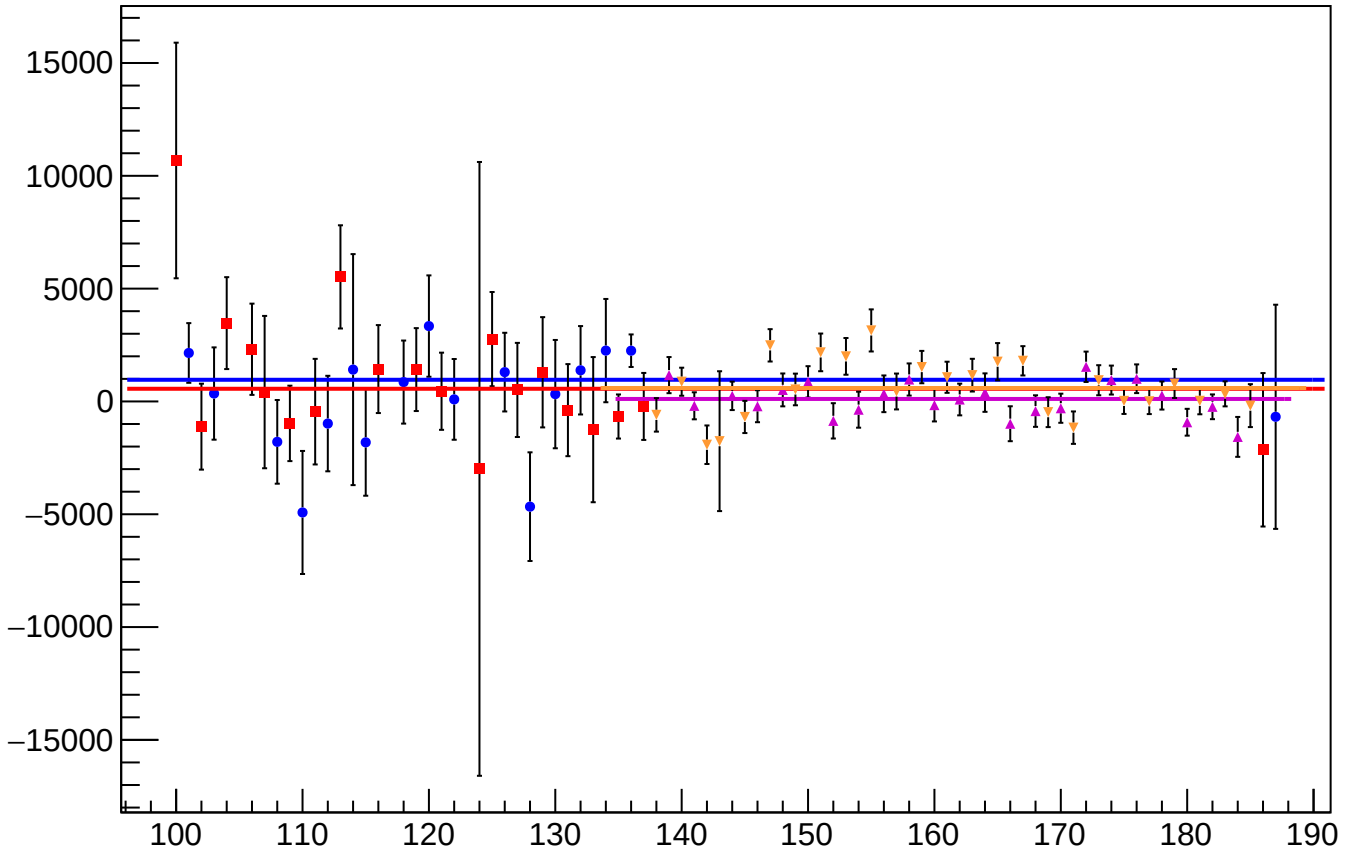
Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.3/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

\+ sign 1243.135+/-0.171 χ^2/NDF: 666055.7/41

All: 1249.986+/-0.122 χ^2/NDF: 927566.1/84

\- sign 1257.139+/-0.175 χ^2/NDF: 258226.2/42



Right In: 960.259+/-423.671 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

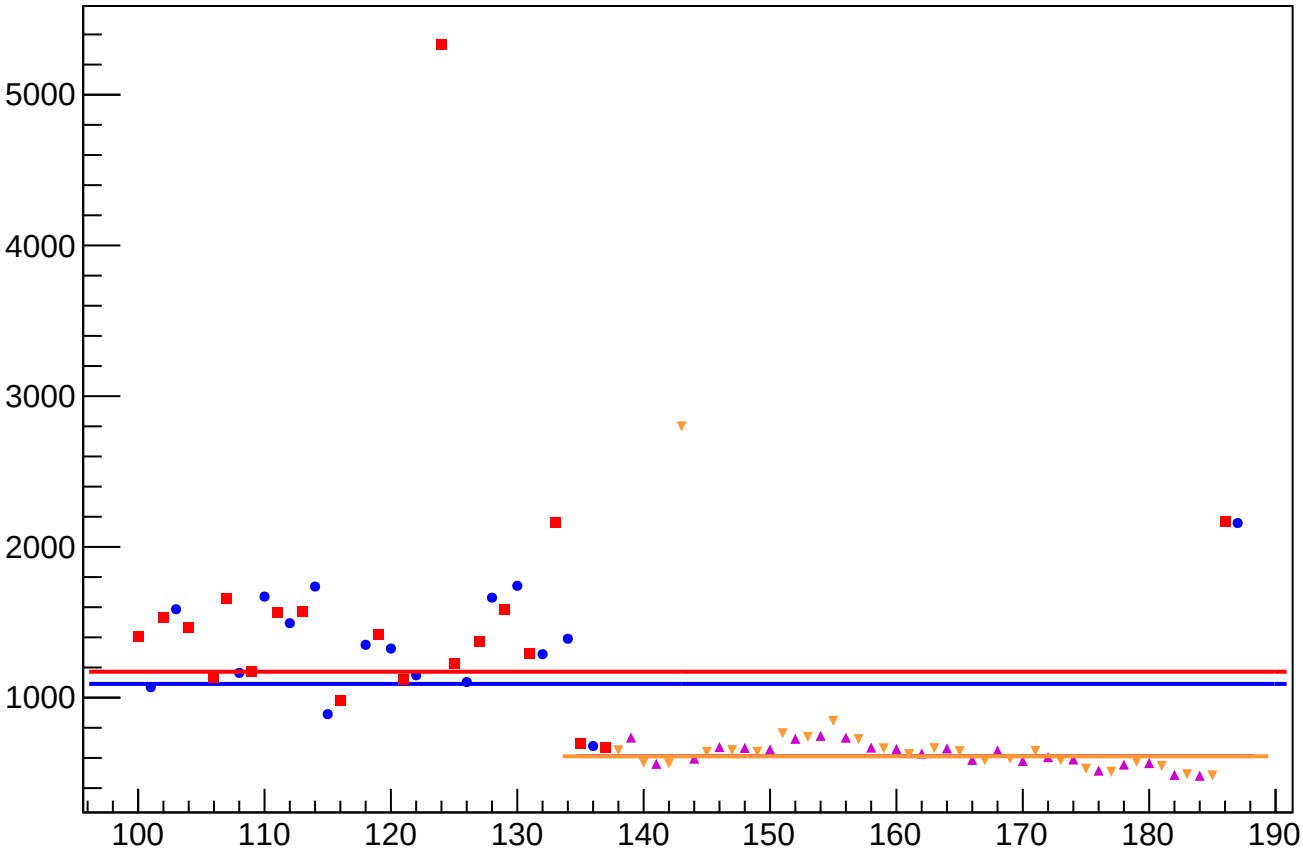
Right Out: 561.557+/-443.905 χ^2/NDF: 17.8/19

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 631.949+/-134.750 χ^2/NDF: 78.6/41

All: 396.912+/-96.128 χ^2/NDF: 129.2/84

\- sign 153.346+/-137.173 χ^2/NDF: 44.4/42



Right In: 1091.160+/-0.300 χ^2/NDF: 1453069.6/16

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1172.040+/-0.314 χ^2/NDF: 1663638.0/19

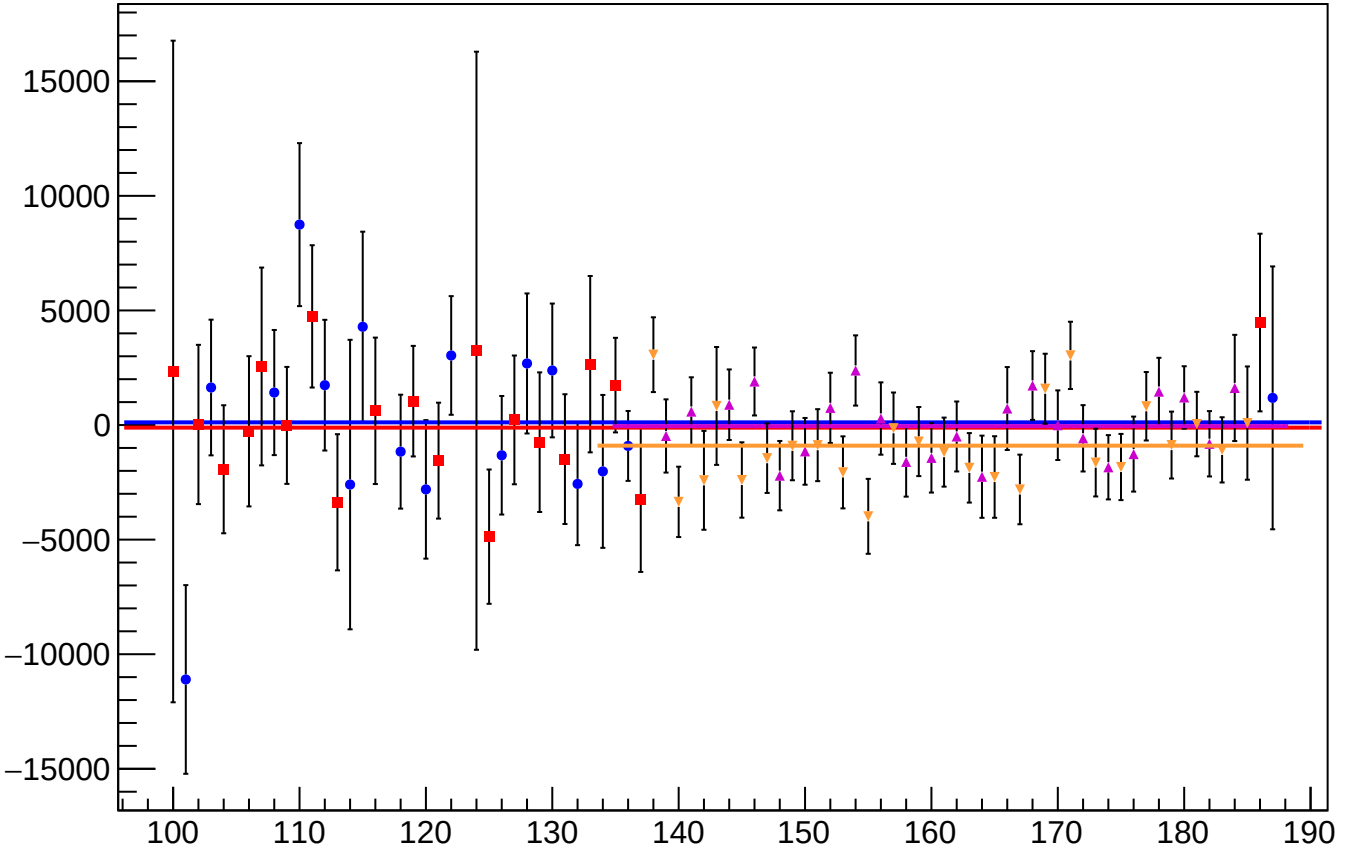
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

\+ sign 659.650+/-0.095 χ^2/NDF: 5380577.6/41

All: 662.689+/-0.068 χ^2/NDF: 10430187.2/84

\- sign 665.838+/-0.097 χ^2/NDF: 5047537.9/42

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 116.327+/-693.850 χ^2/NDF: 21.3/16

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -113.307+/-688.594 χ^2/NDF: 11.8/19

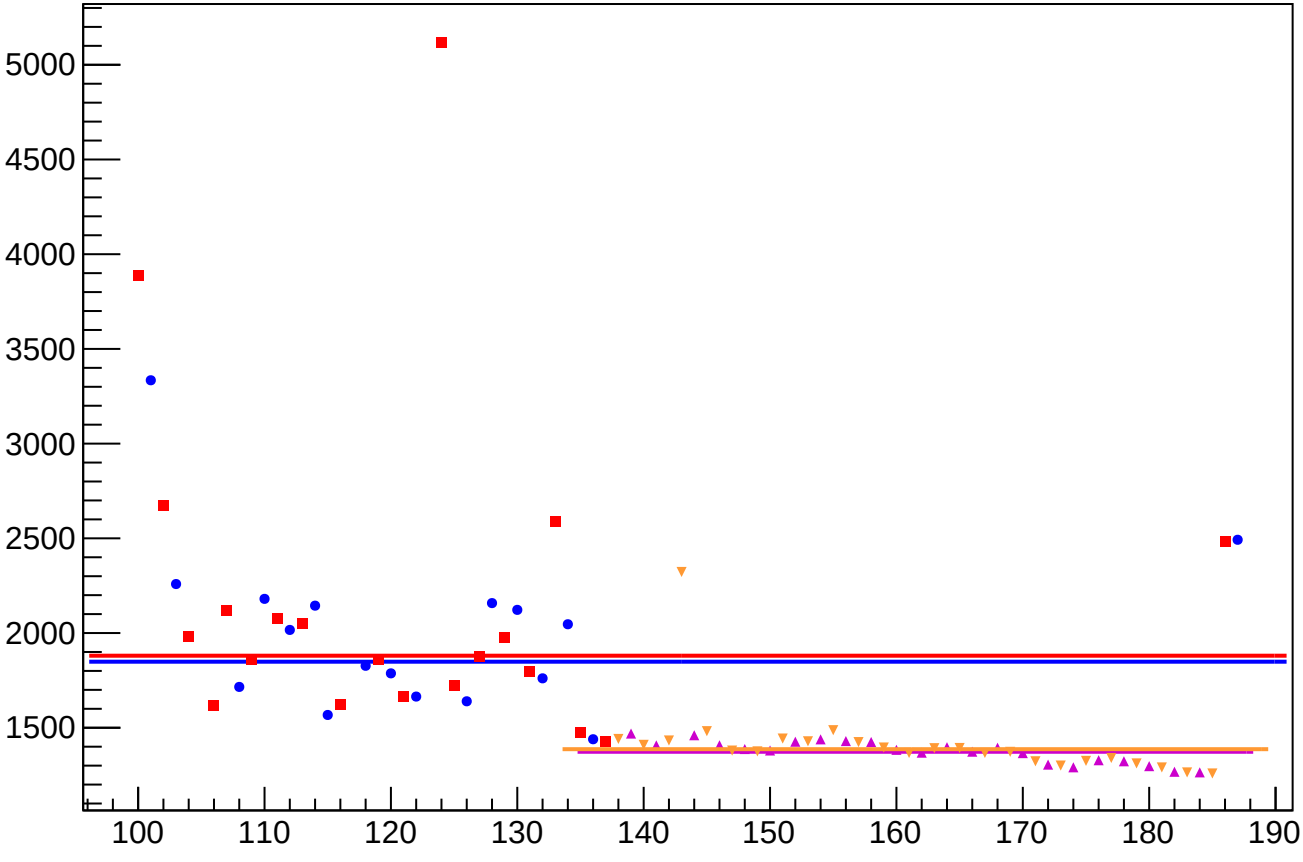
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -724.912+/-287.918 χ^2/NDF: 52.9/41

All: -395.768+/-204.631 χ^2/NDF: 85.2/84

- sign -59.800+/-290.887 χ^2/NDF: 29.7/42

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1848.673+/-0.491 χ^2/NDF: 582291.5/16

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

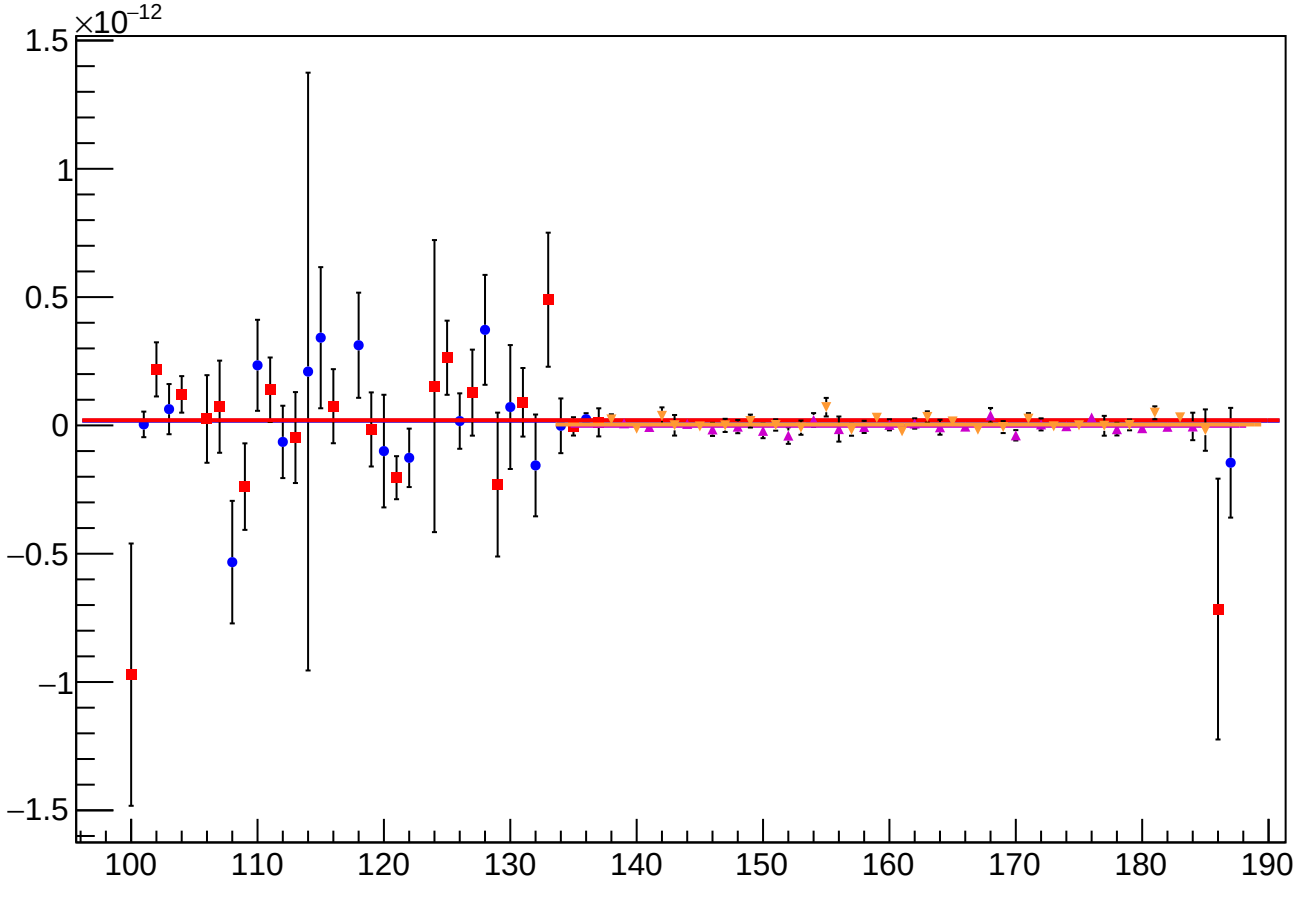
Right Out: 1880.358+/-0.487 χ^2/NDF: 571859.5/19

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1466.367+/-0.204 χ^2/NDF: 1655574.9/41

All: 1465.057+/-0.145 χ^2/NDF: 3183243.4/84

- sign 1463.719+/-0.206 χ^2/NDF: 1527584.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

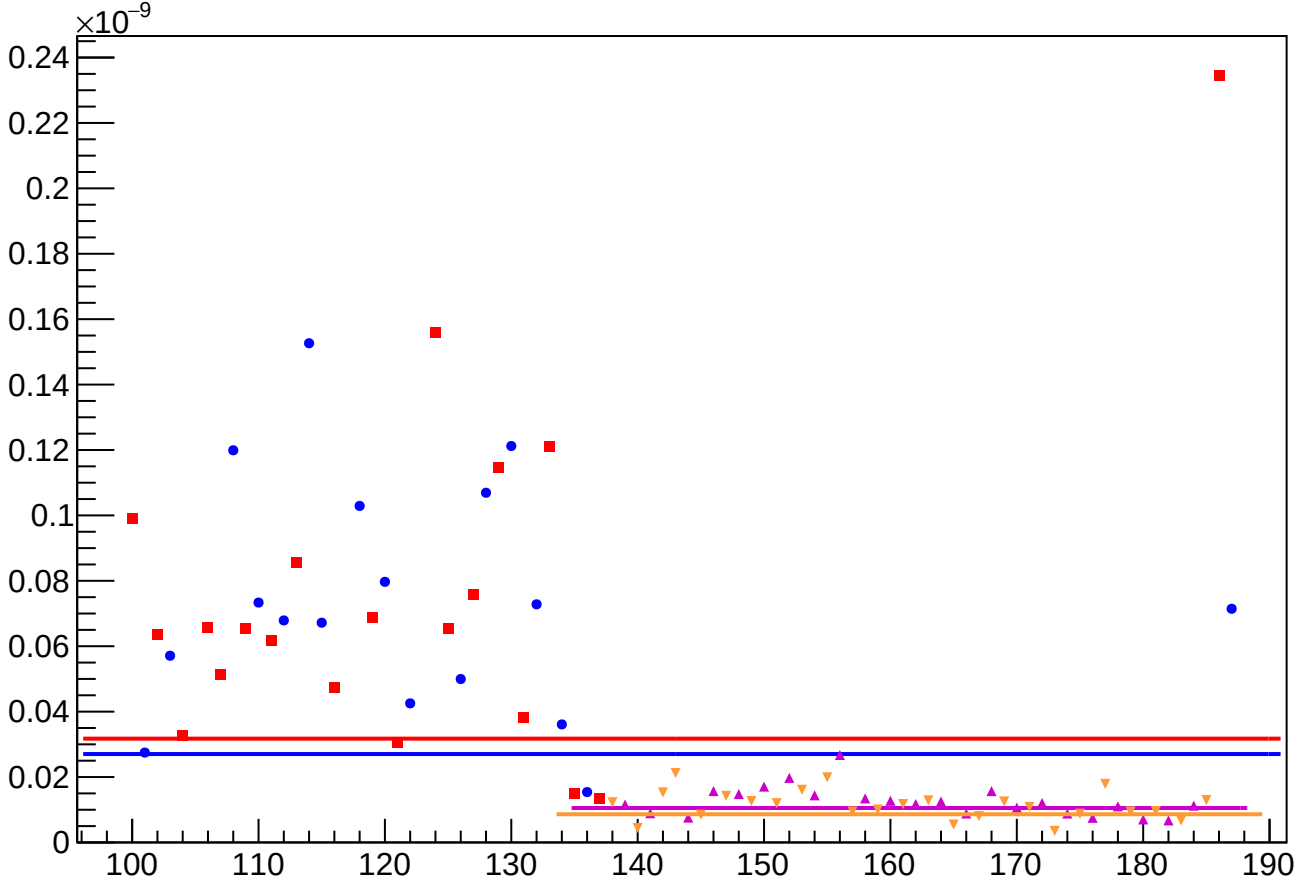
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/19

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/41

All: 0.000+/-0.000 χ^2/NDF: 87.9/84

- sign -0.000+/-0.000 χ^2/NDF: 44.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2667669.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

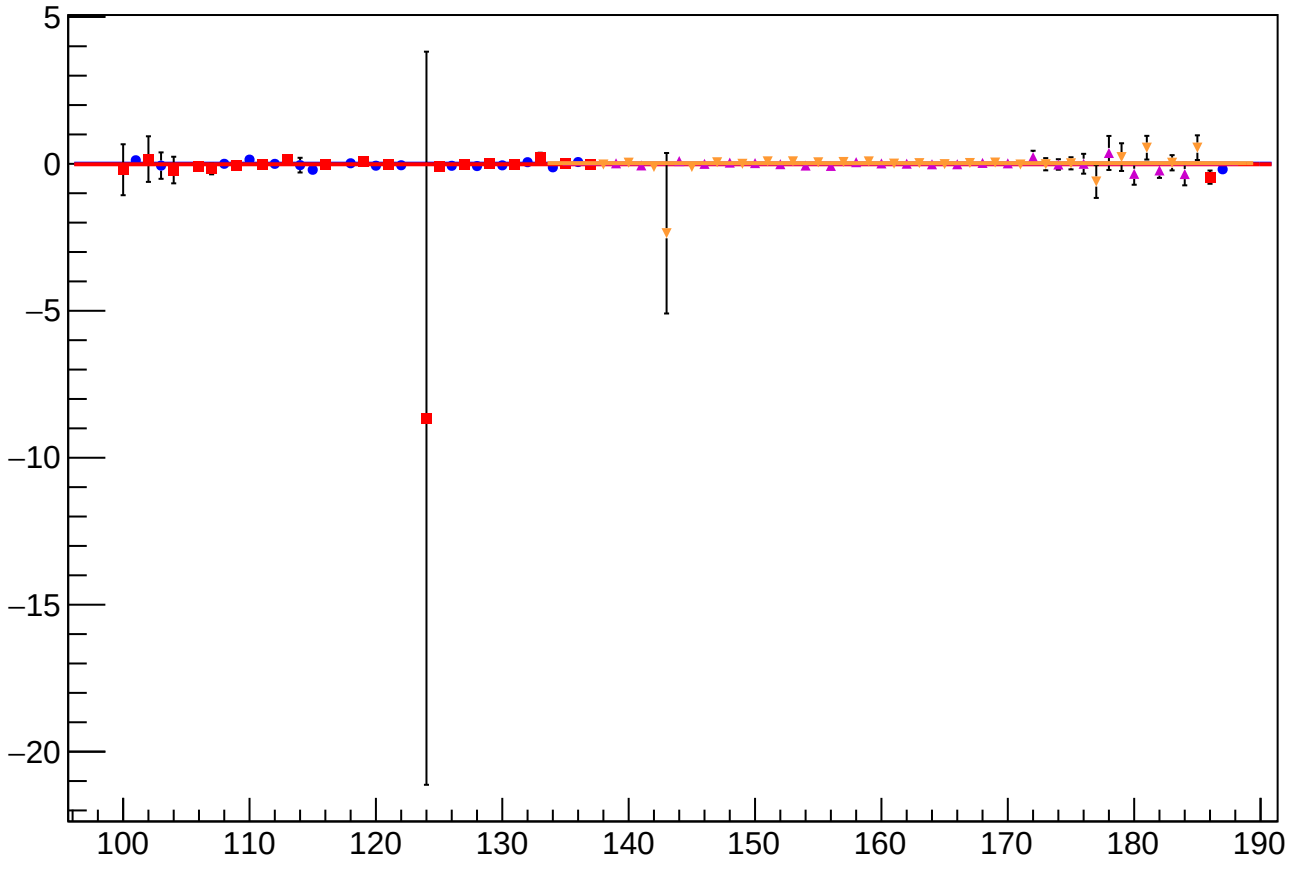
Right Out: 0.000+/-0.000 χ^2/NDF: 2594605.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6669574.0/41

All: 0.000+/-0.000 χ^2/NDF: 12480655.5/84

- sign 0.000+/-0.000 χ^2/NDF: 5571082.7/42



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

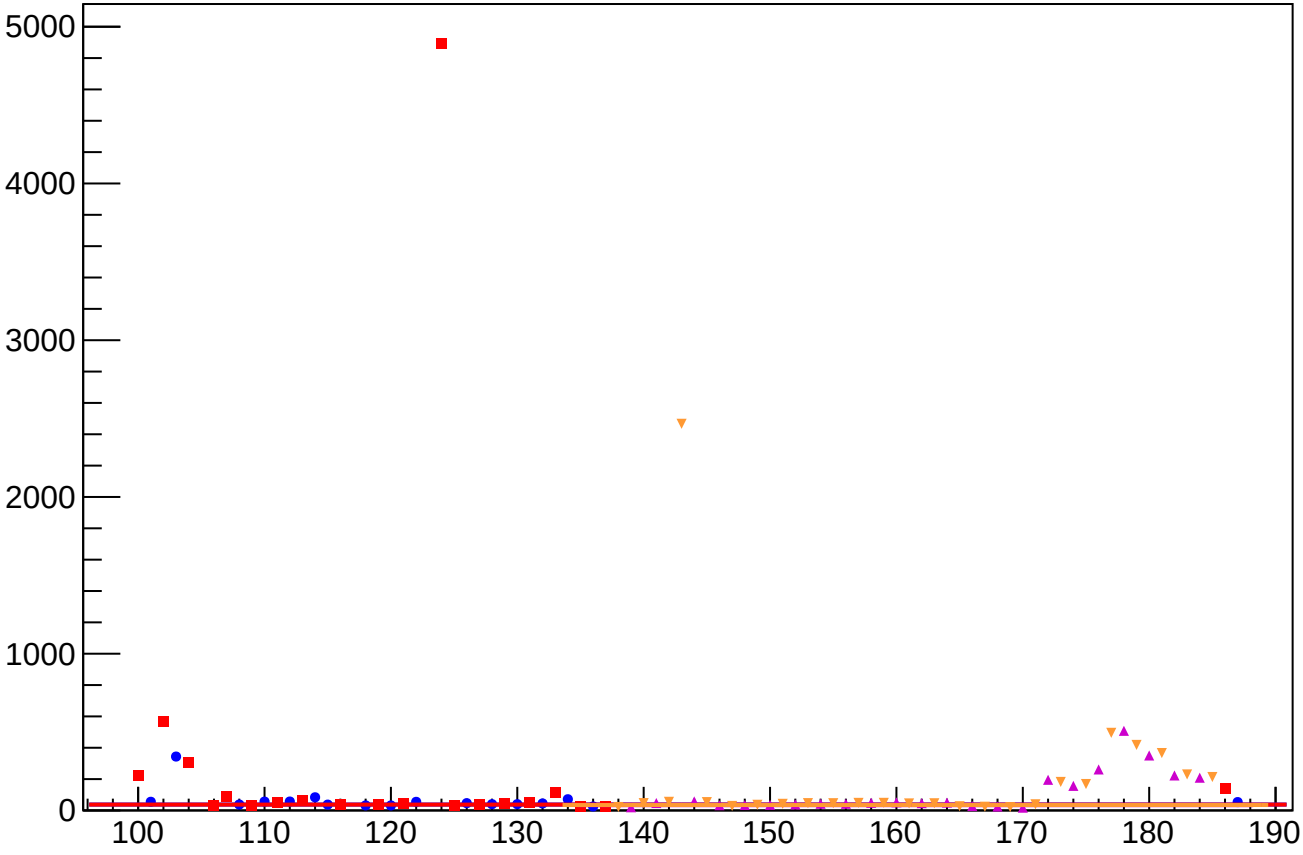
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.011+/-0.006 χ^2/NDF: 79.7/84

- sign 0.003+/-0.009 χ^2/NDF: 32.8/42

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

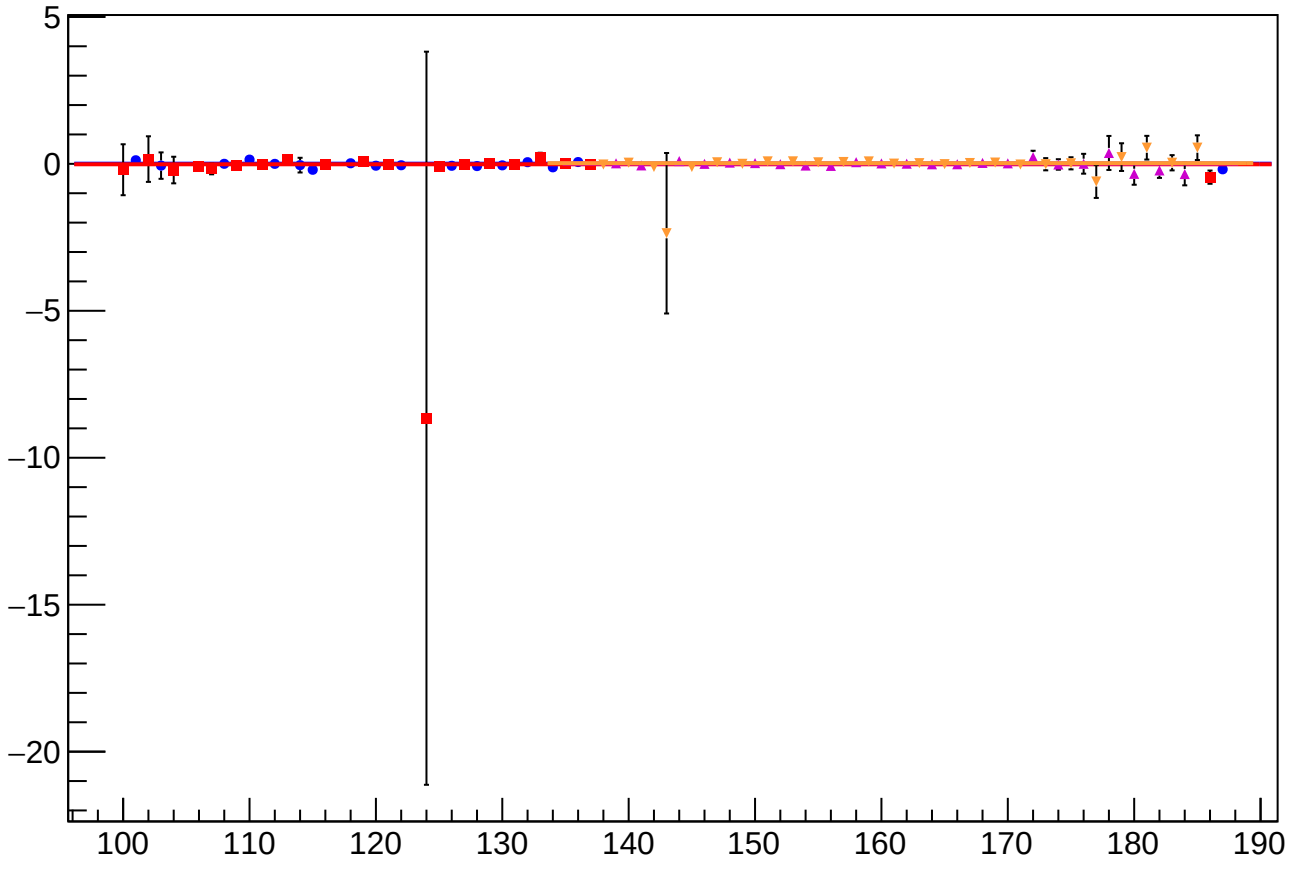
Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.531+/-0.006 χ^2/NDF: 13471288.9/41

All: 35.053+/-0.004 χ^2/NDF: 27258036.2/84

\- sign 34.584+/-0.006 χ^2/NDF: 13774522.7/42



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

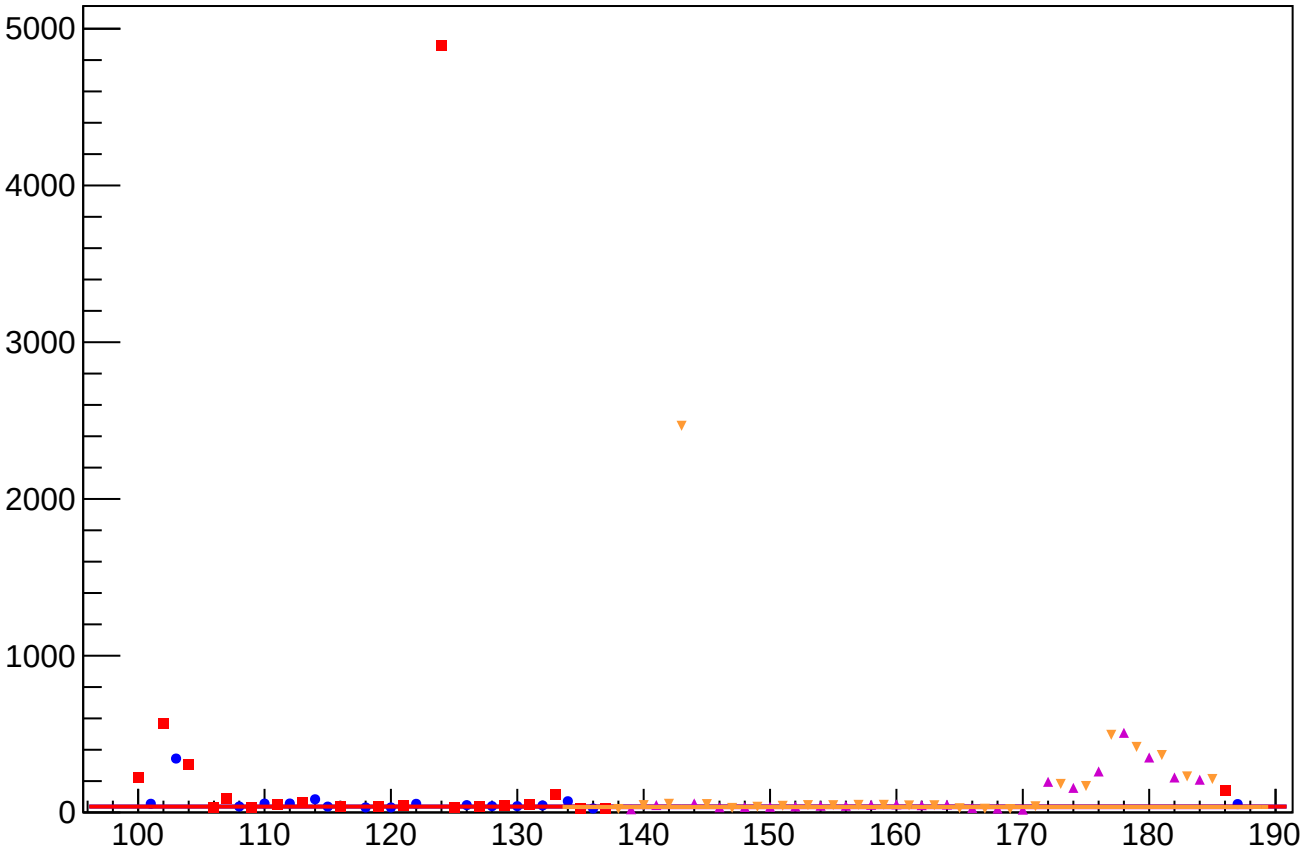
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.011+/-0.006 χ^2/NDF: 79.7/84

- sign 0.003+/-0.009 χ^2/NDF: 32.8/42



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

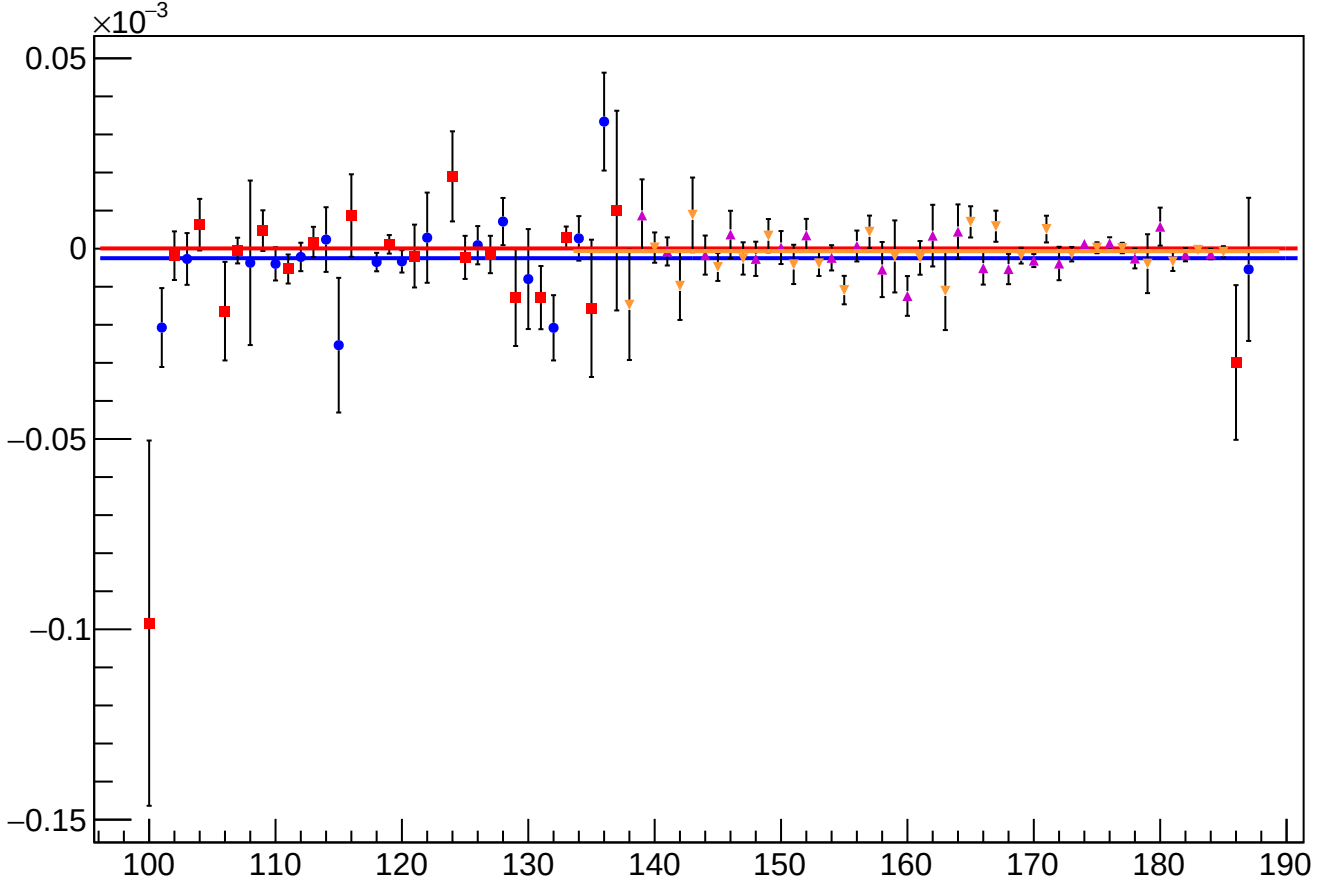
Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.531+/-0.006 χ^2/NDF: 13471288.9/41

All: 35.053+/-0.004 χ^2/NDF: 27258036.2/84

\- sign 34.584+/-0.006 χ^2/NDF: 13774522.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/19

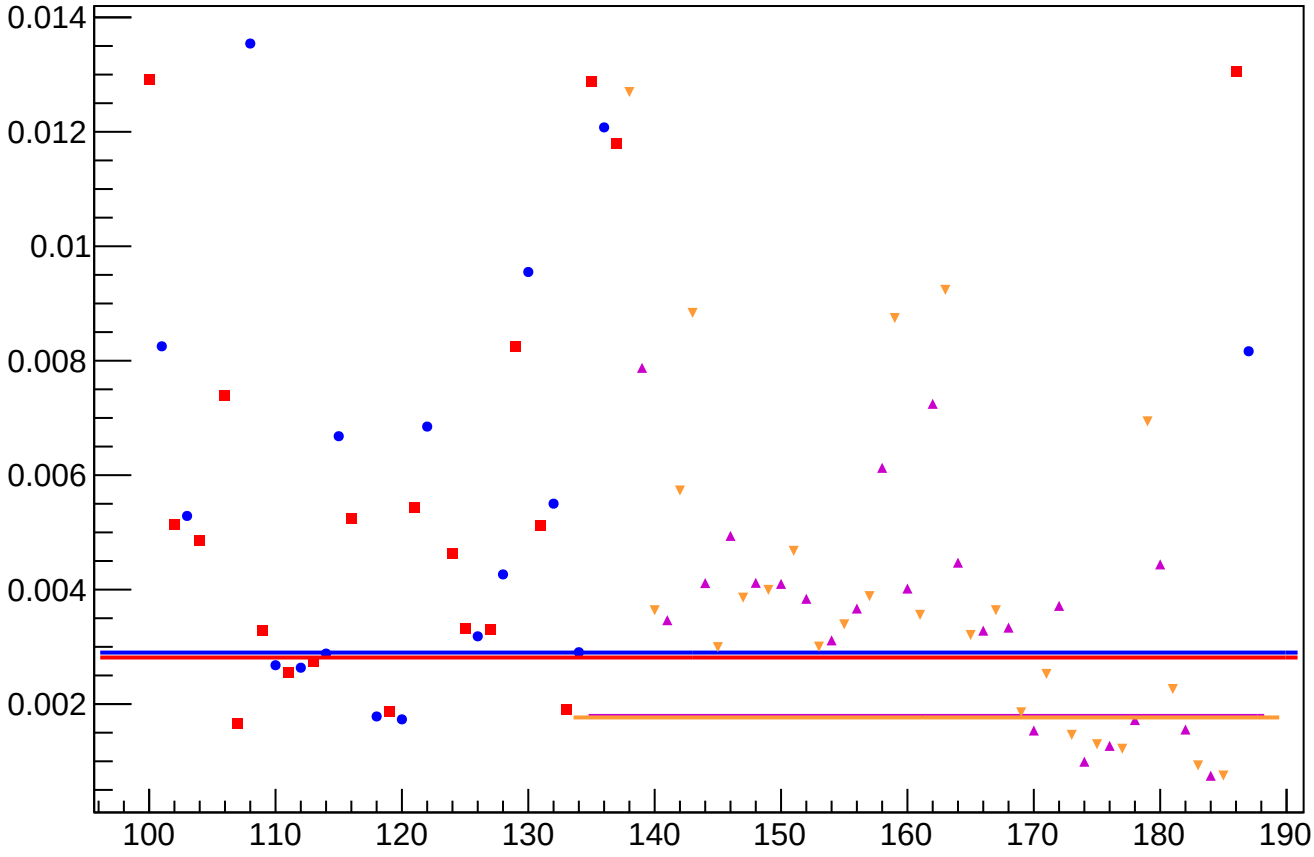
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.1/41

All: -0.000+/-0.000 χ^2/NDF: 95.6/84

- sign -0.000+/-0.000 χ^2/NDF: 43.3/42

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4309586.2/16

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

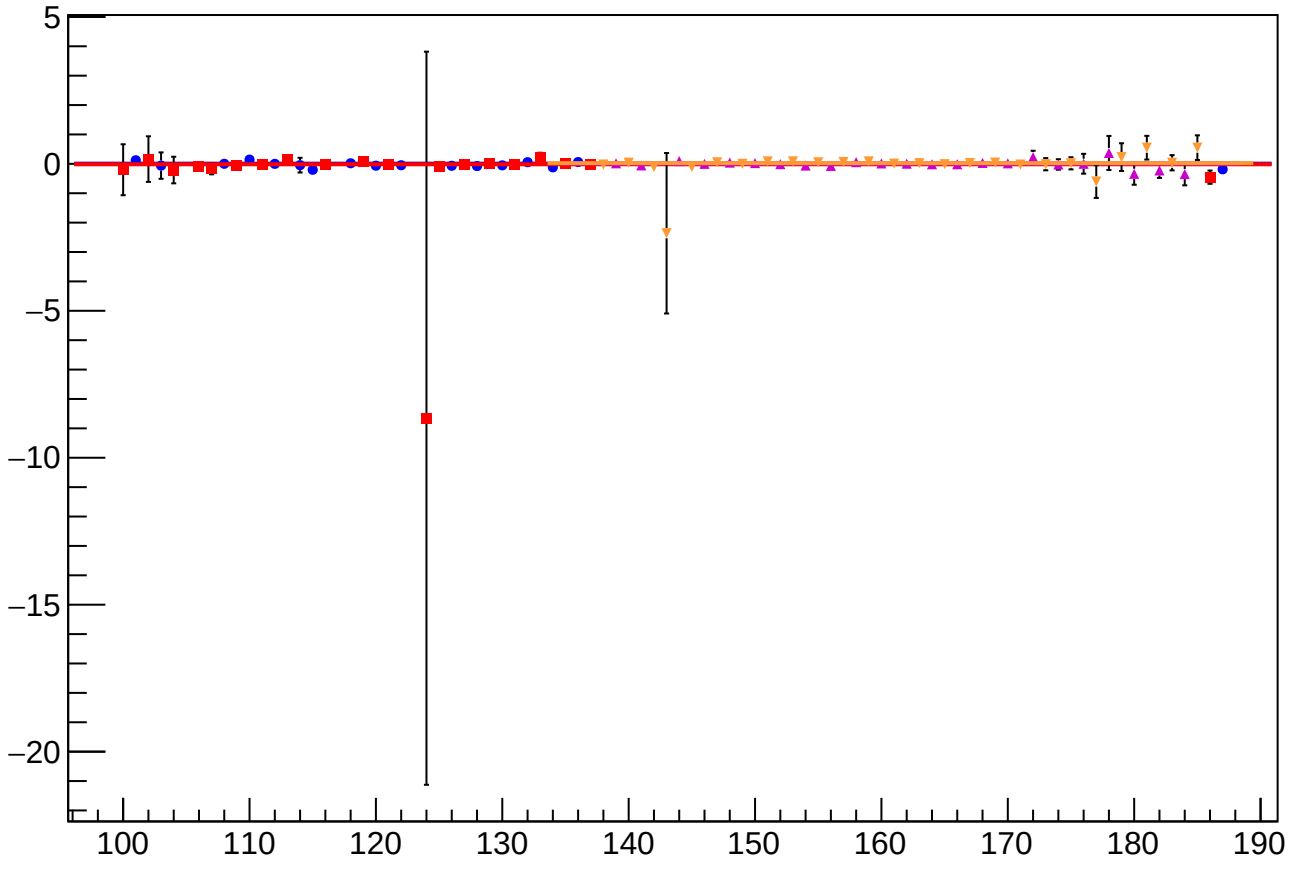
Right Out: 0.003+/-0.000 χ^2/NDF: 3821461.6/19

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 18548912.6/41

All: 0.002+/-0.000 χ^2/NDF: 34398340.0/84

- sign 0.002+/-0.000 χ^2/NDF: 15835961.0/42



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

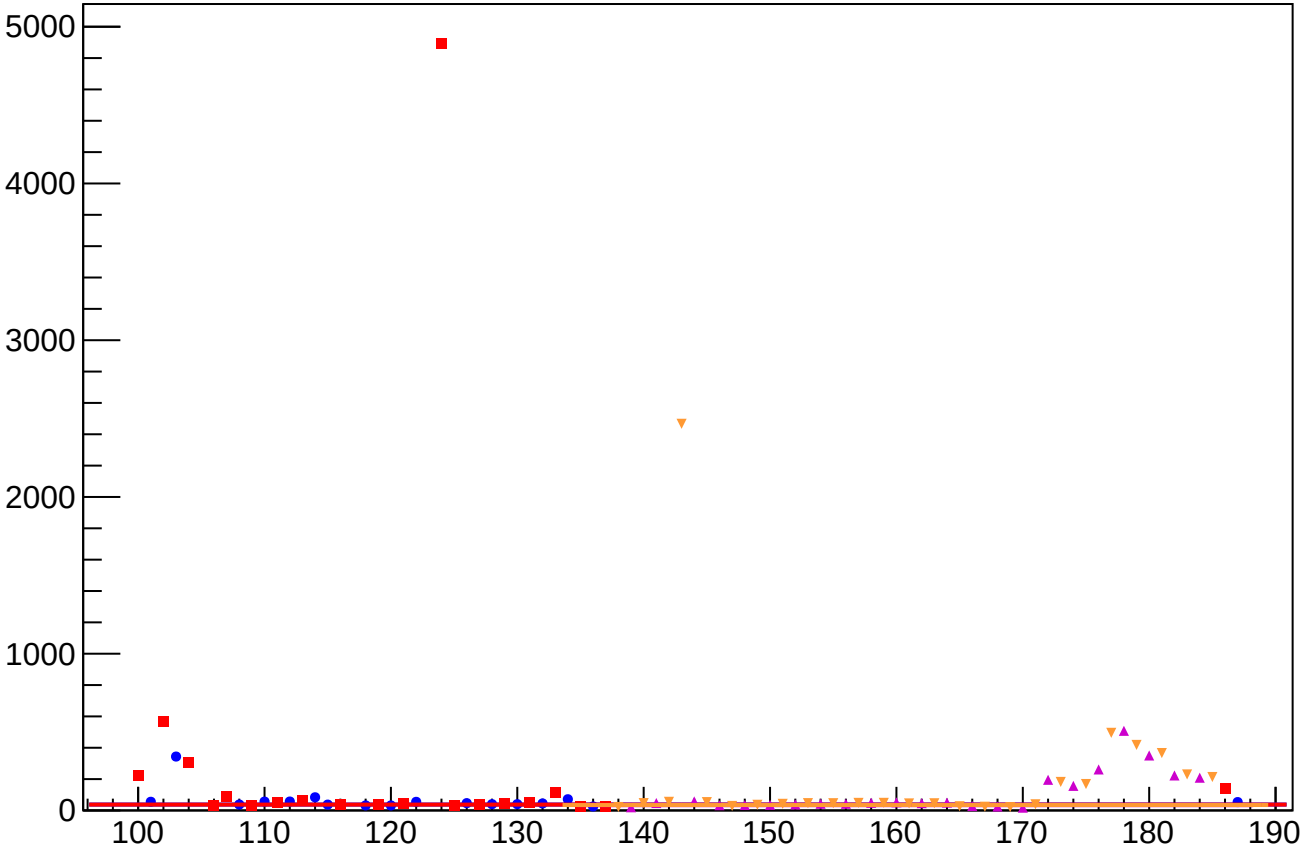
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.011+/-0.006 χ^2/NDF: 79.7/84

- sign 0.003+/-0.009 χ^2/NDF: 32.9/42

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

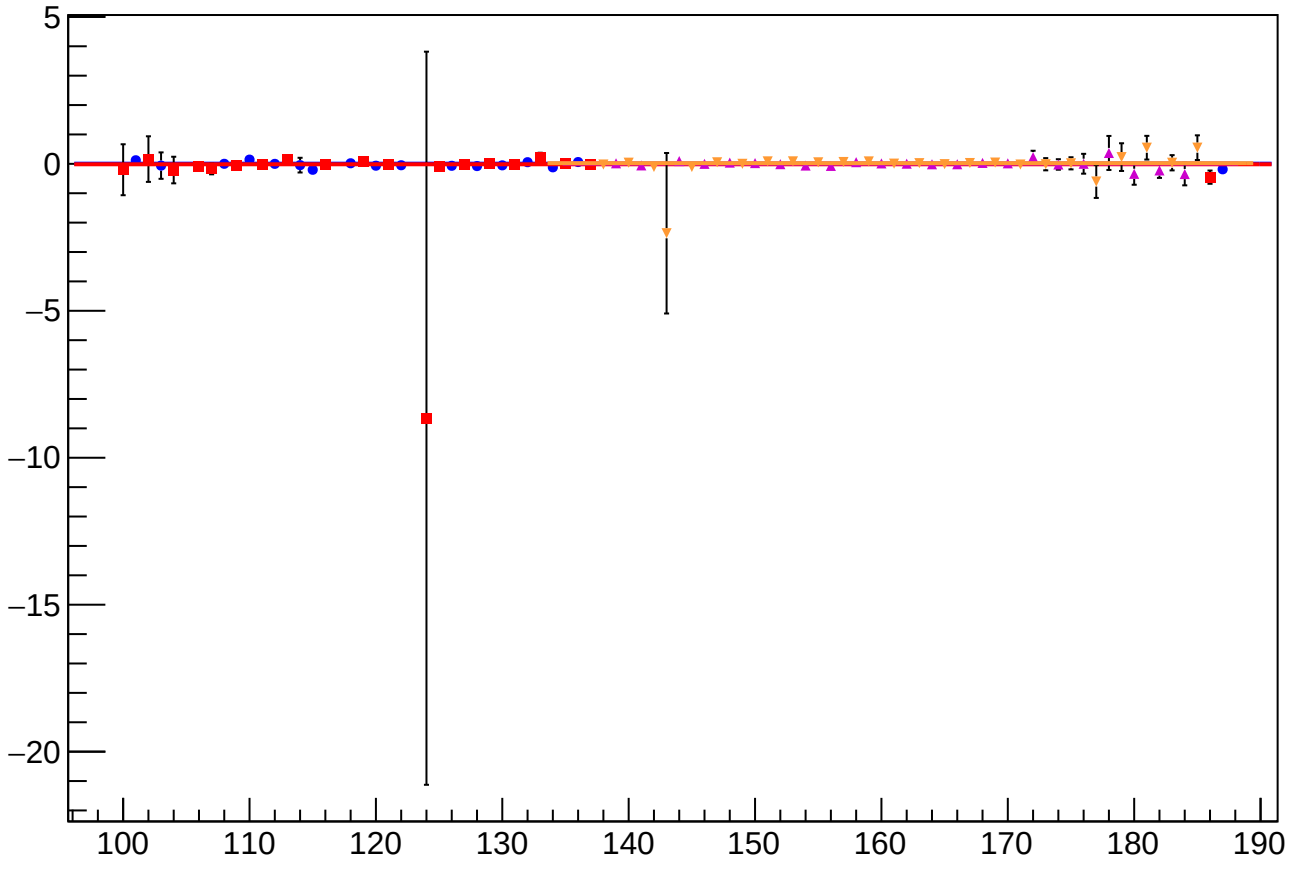
Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.530+/-0.006 χ^2/NDF: 13471403.5/41

All: 35.054+/-0.004 χ^2/NDF: 27256480.7/84

- sign 34.586+/-0.006 χ^2/NDF: 13772922.3/42



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

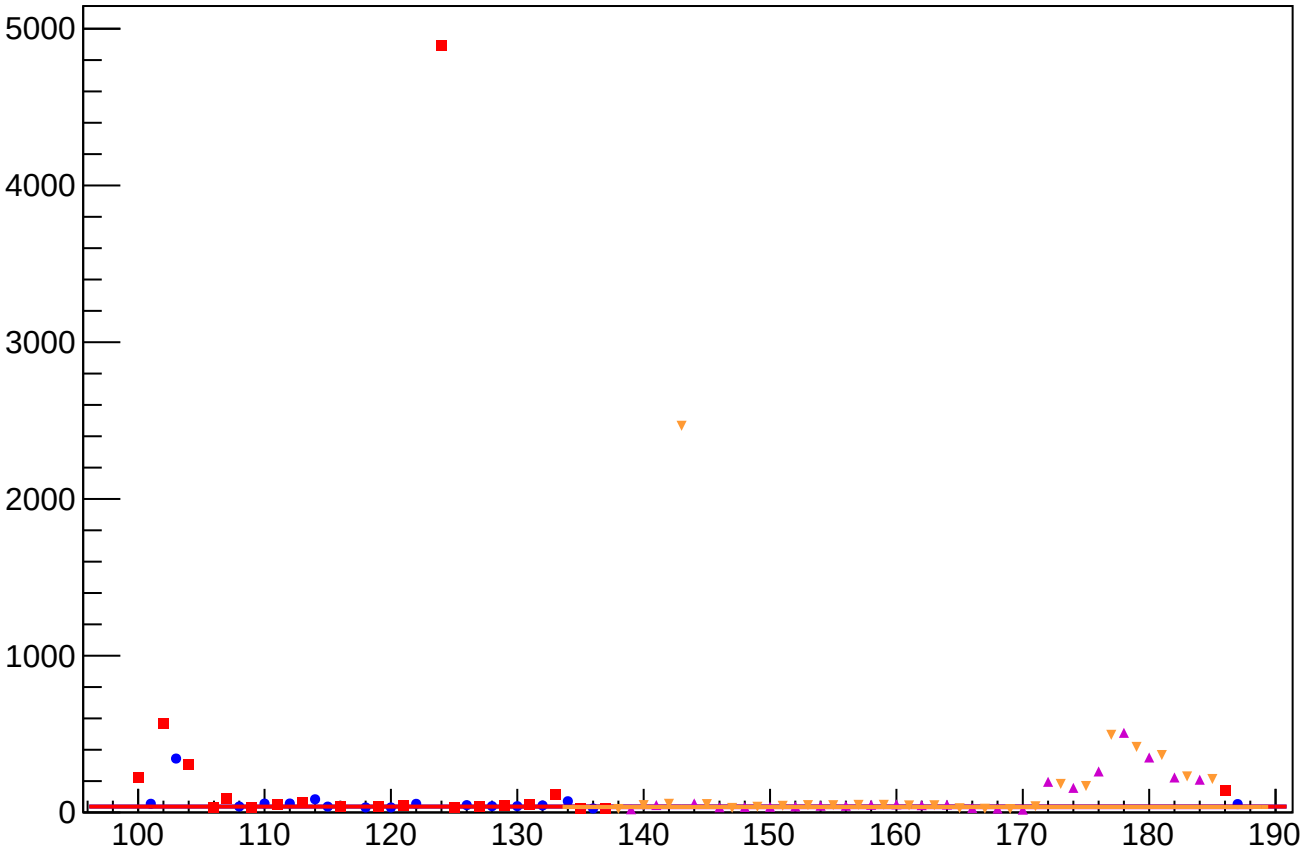
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.011+/-0.006 χ^2/NDF: 79.7/84

- sign 0.003+/-0.009 χ^2/NDF: 32.9/42



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

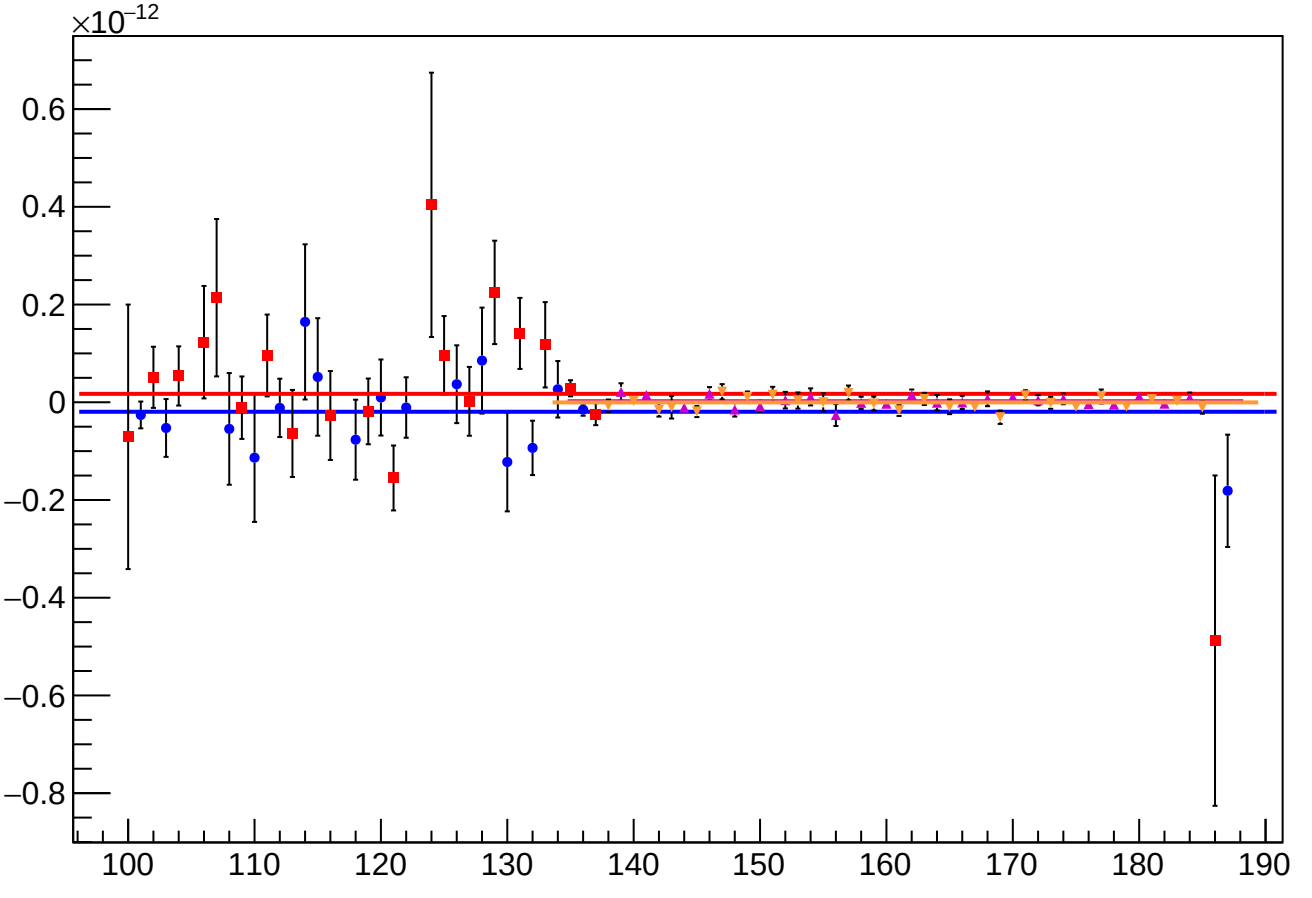
Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.530+/-0.006 χ^2/NDF: 13471403.5/41

All: 35.054+/-0.004 χ^2/NDF: 27256480.7/84

\- sign 34.586+/-0.006 χ^2/NDF: 13772922.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

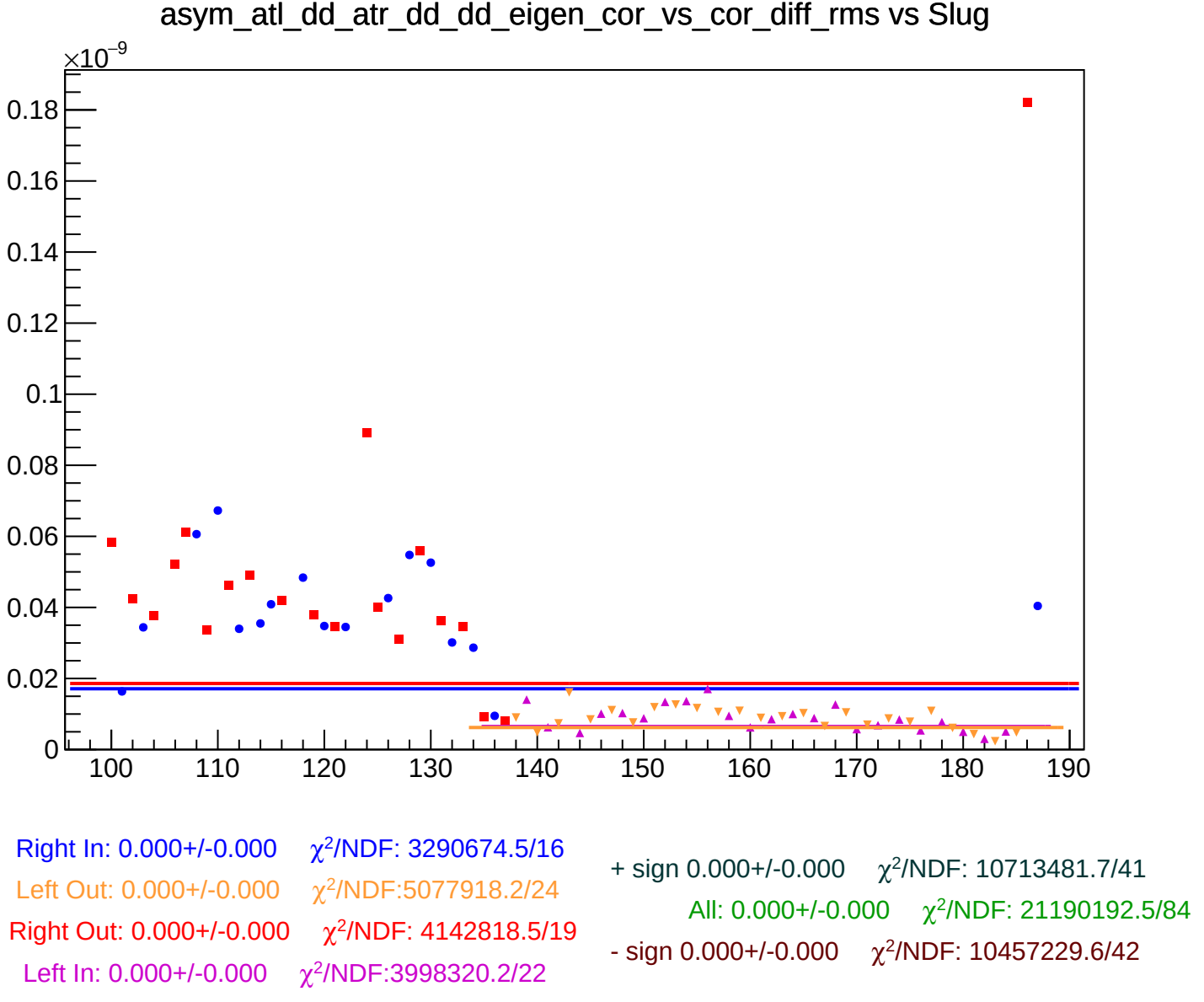
Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/19

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

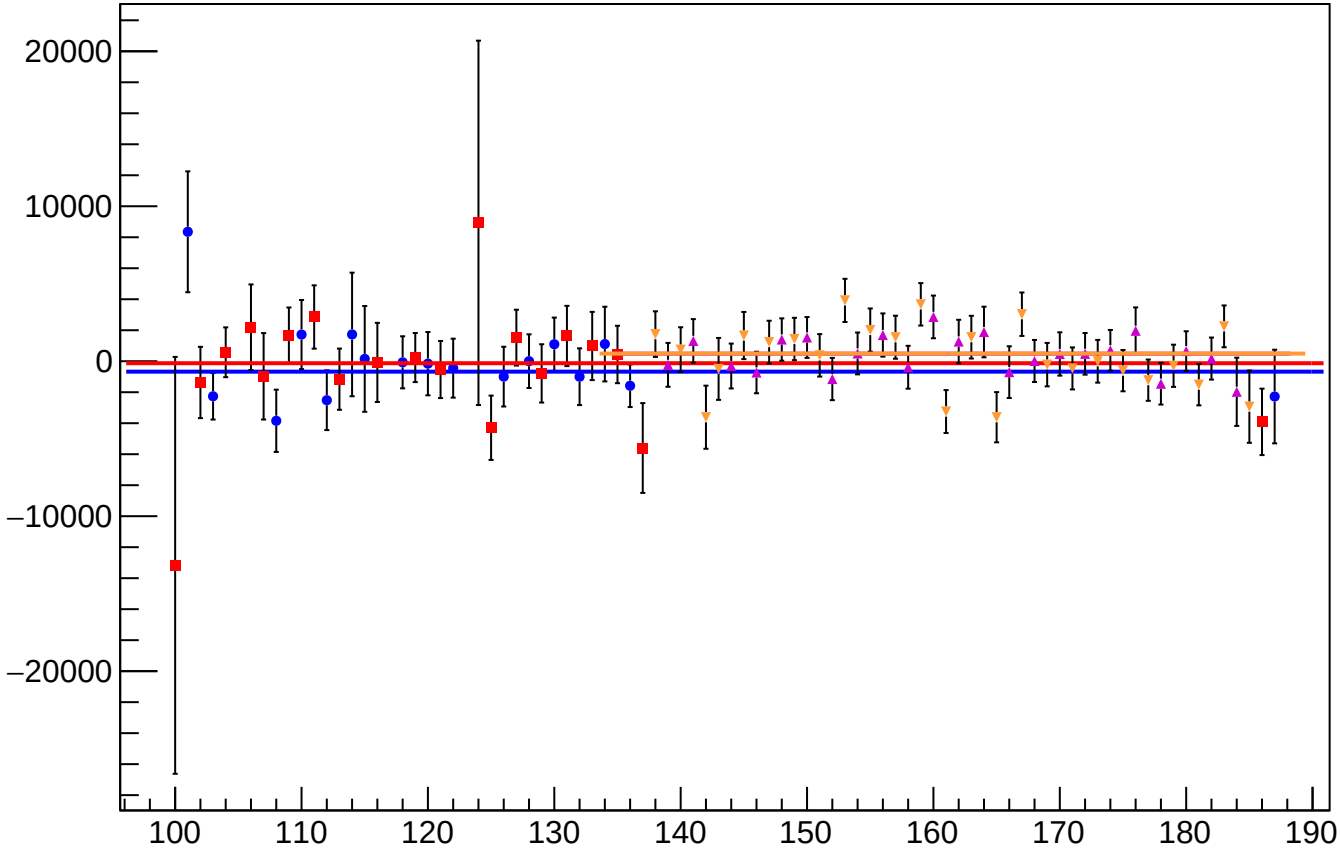
+ sign -0.000+/-0.000 χ^2/NDF: 40.0/41

All: 0.000+/-0.000 χ^2/NDF: 92.9/84

- sign 0.000+/-0.000 χ^2/NDF: 51.3/42


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3290674.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4142818.5/19
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10713481.7/41
All: 0.000+/-0.000 χ²/NDF: 21190192.5/84
- sign 0.000+/-0.000 χ²/NDF: 10457229.6/42

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -128.473+/-475.595 χ^2/NDF: 19.1/19

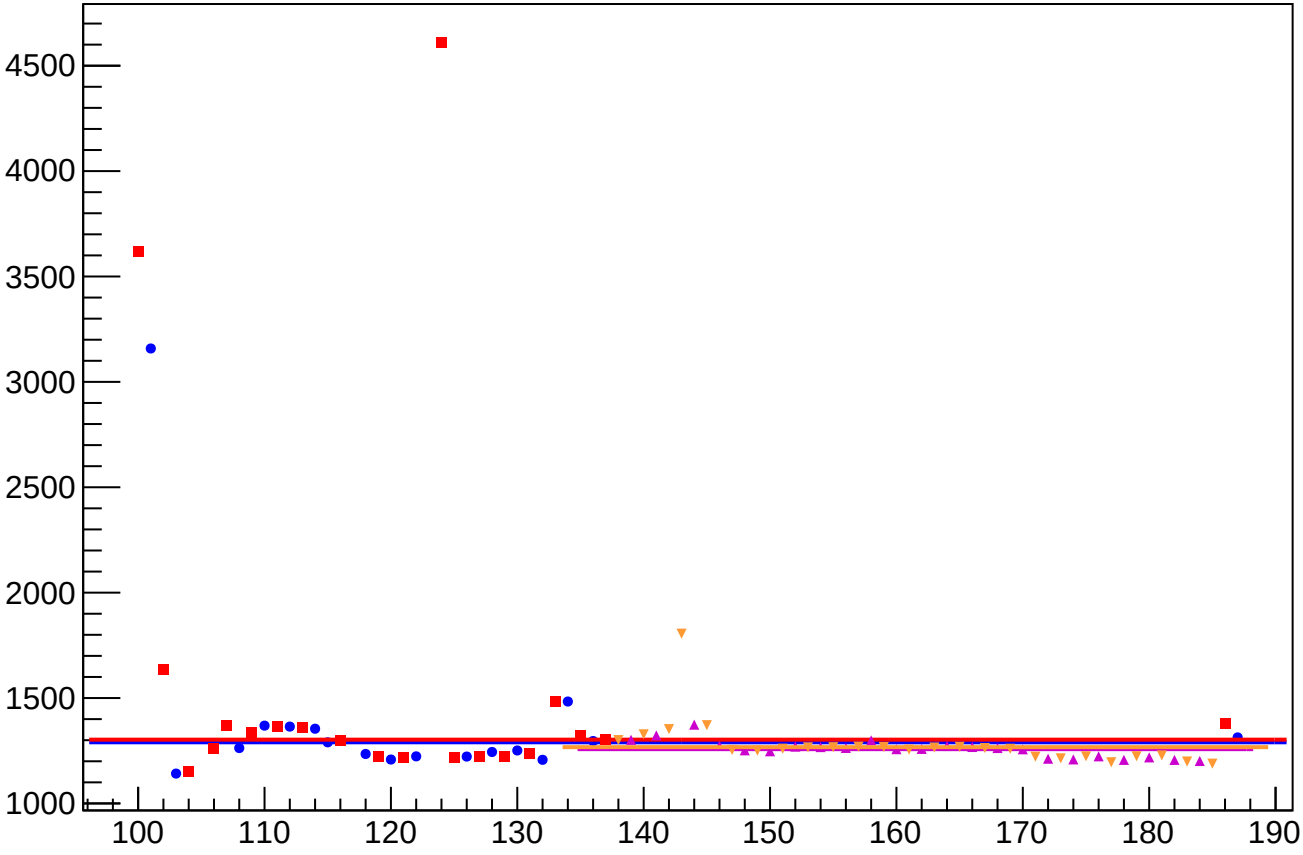
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 185.134+/-247.596 χ^2/NDF: 65.4/41

All: 250.396+/-175.897 χ^2/NDF: 100.3/84

- sign 316.896+/-249.933 χ^2/NDF: 34.8/42

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

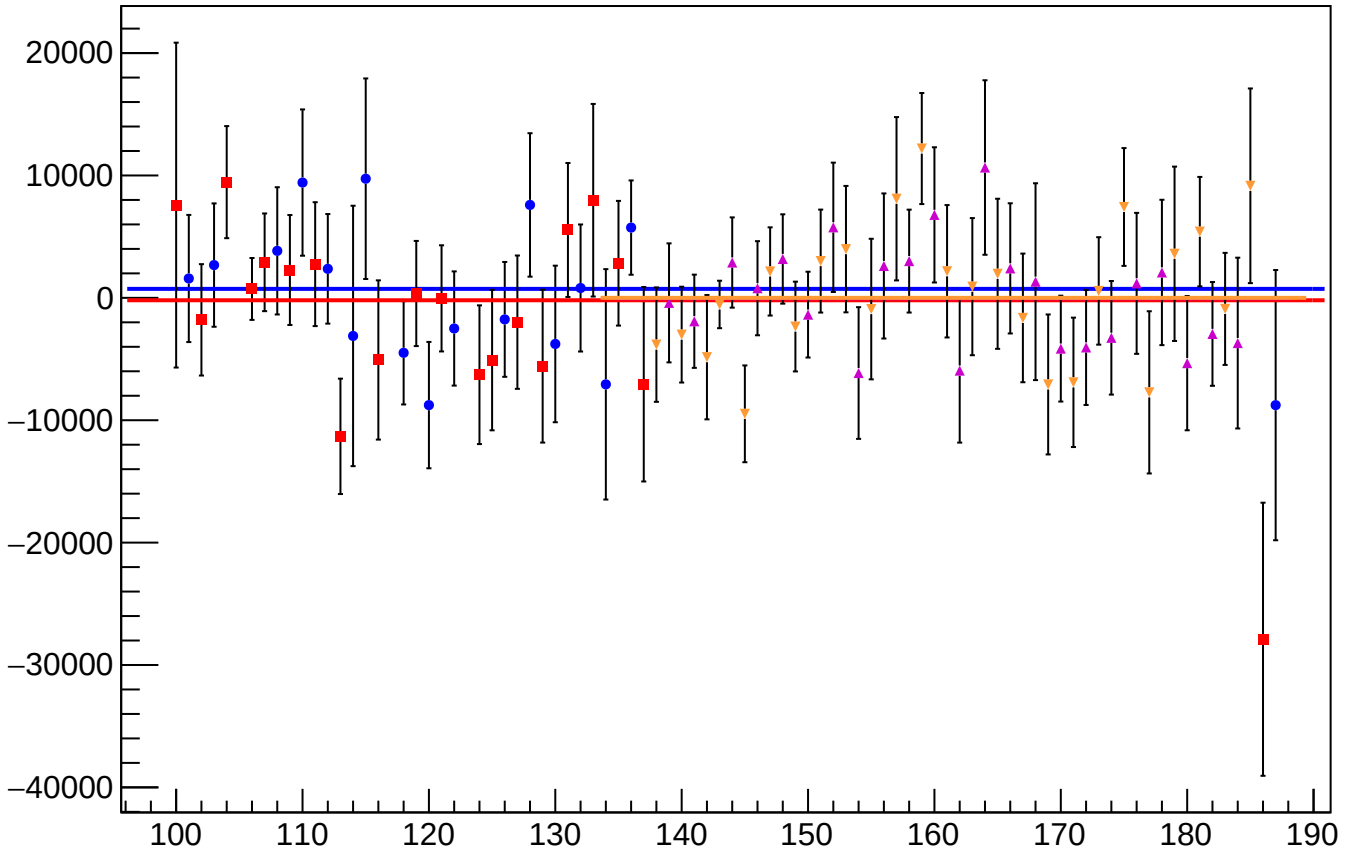
Right Out: 1302.569+/-0.335 χ^2/NDF: 322015.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705720.4/41

All: 1271.555+/-0.124 χ^2/NDF: 1077717.1/84

- sign 1270.029+/-0.177 χ^2/NDF: 371848.7/42



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: -197.309+/-1105.607 χ^2/NDF: 24.6/19

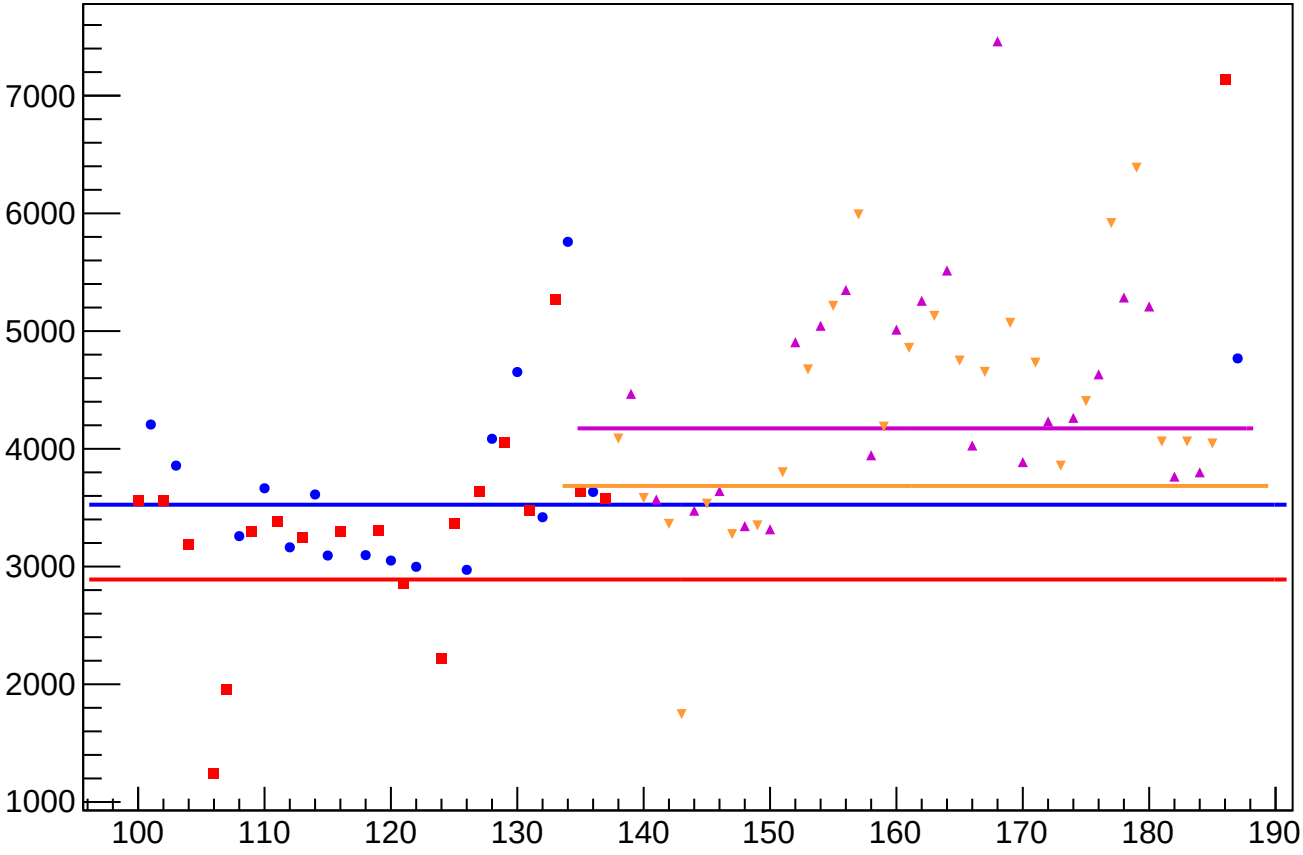
Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 228.545+/-735.204 χ^2/NDF: 44.0/41

All: 62.411+/-521.463 χ^2/NDF: 82.8/84

- sign -105.778+/-739.736 χ^2/NDF: 38.7/42

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2889.961+/-0.782 χ^2/NDF: 1792253.1/19

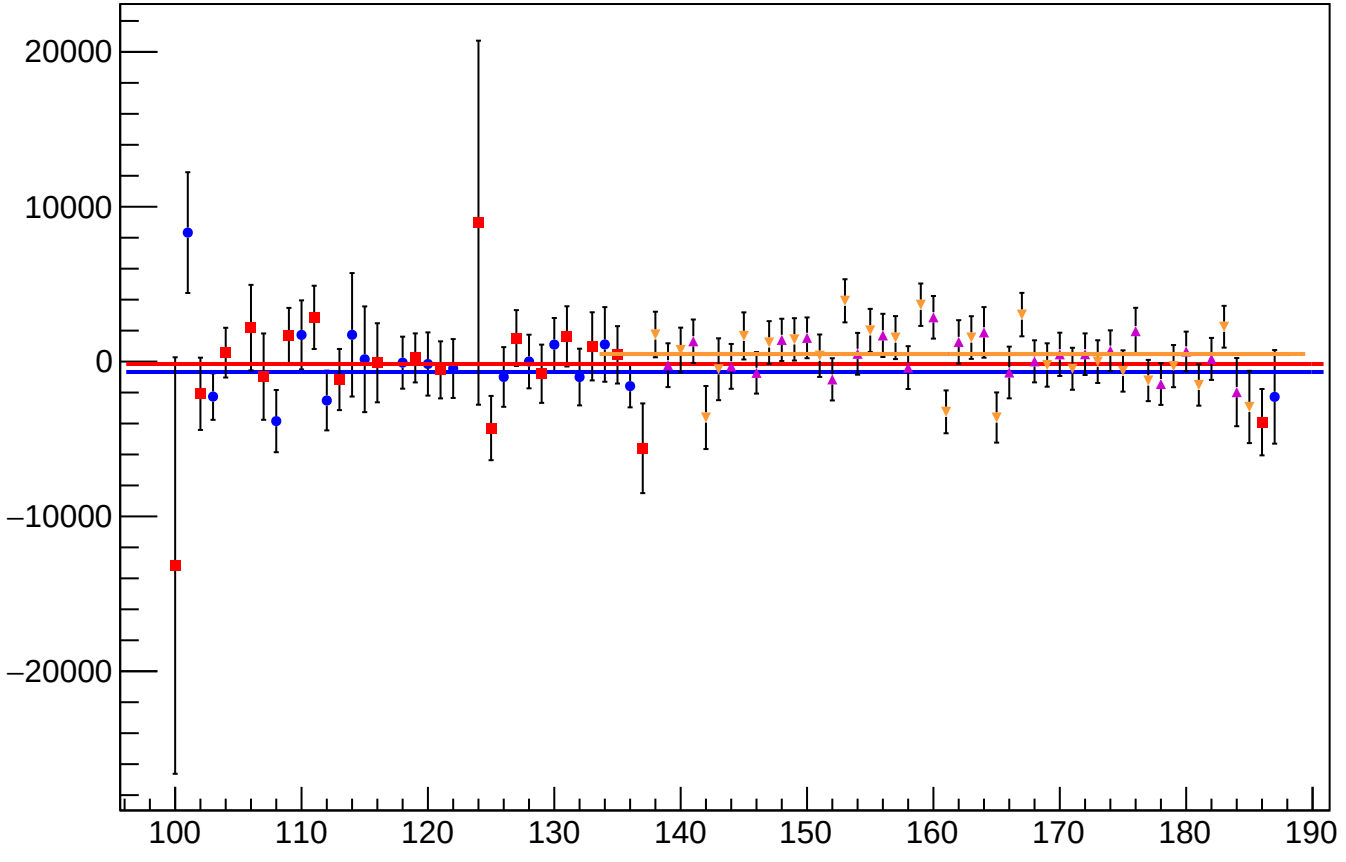
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3634.985+/-0.520 χ^2/NDF: 4093528.4/41

All: 3617.072+/-0.369 χ^2/NDF: 8652116.4/84

- sign 3598.937+/-0.523 χ^2/NDF: 4556198.7/42

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

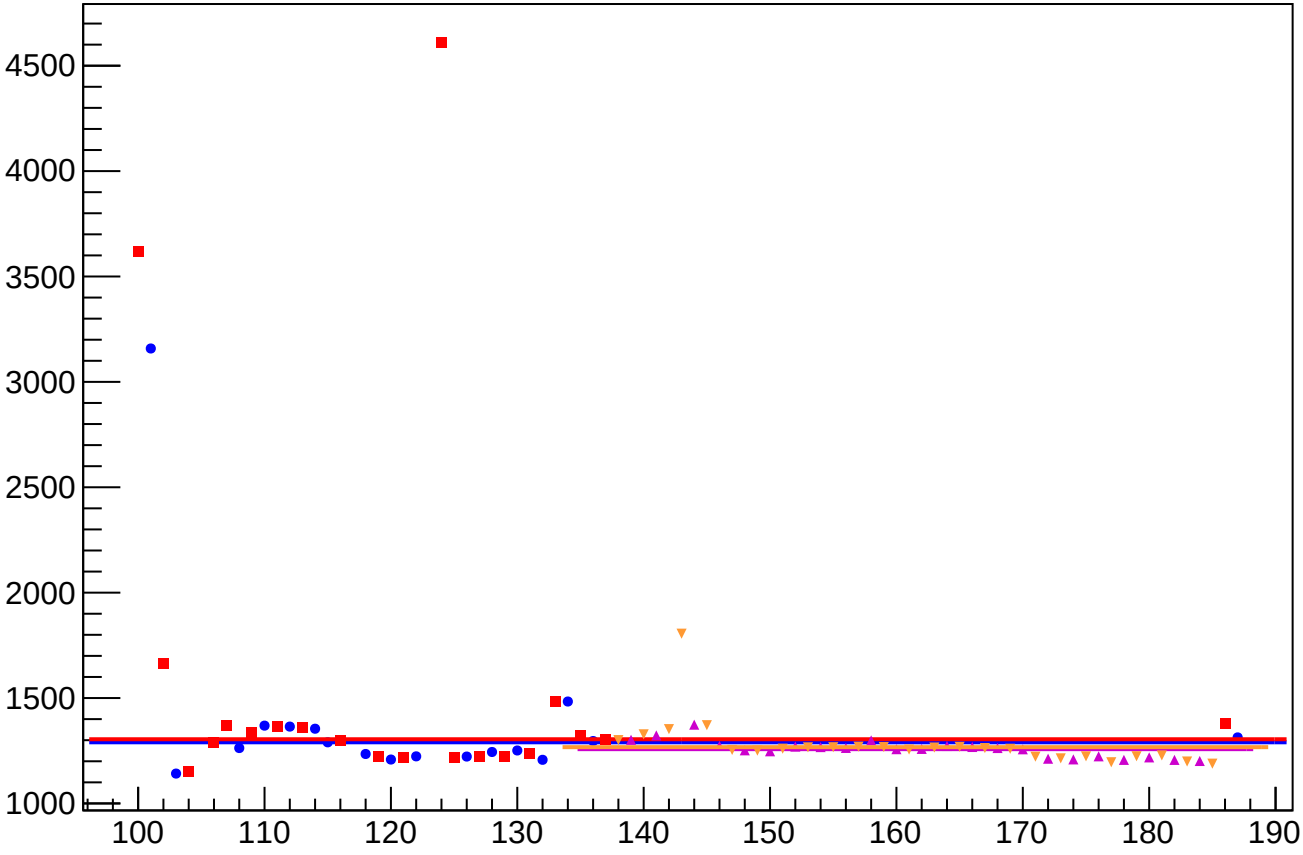
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 246.579+/-175.912 χ^2/NDF: 100.8/84

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

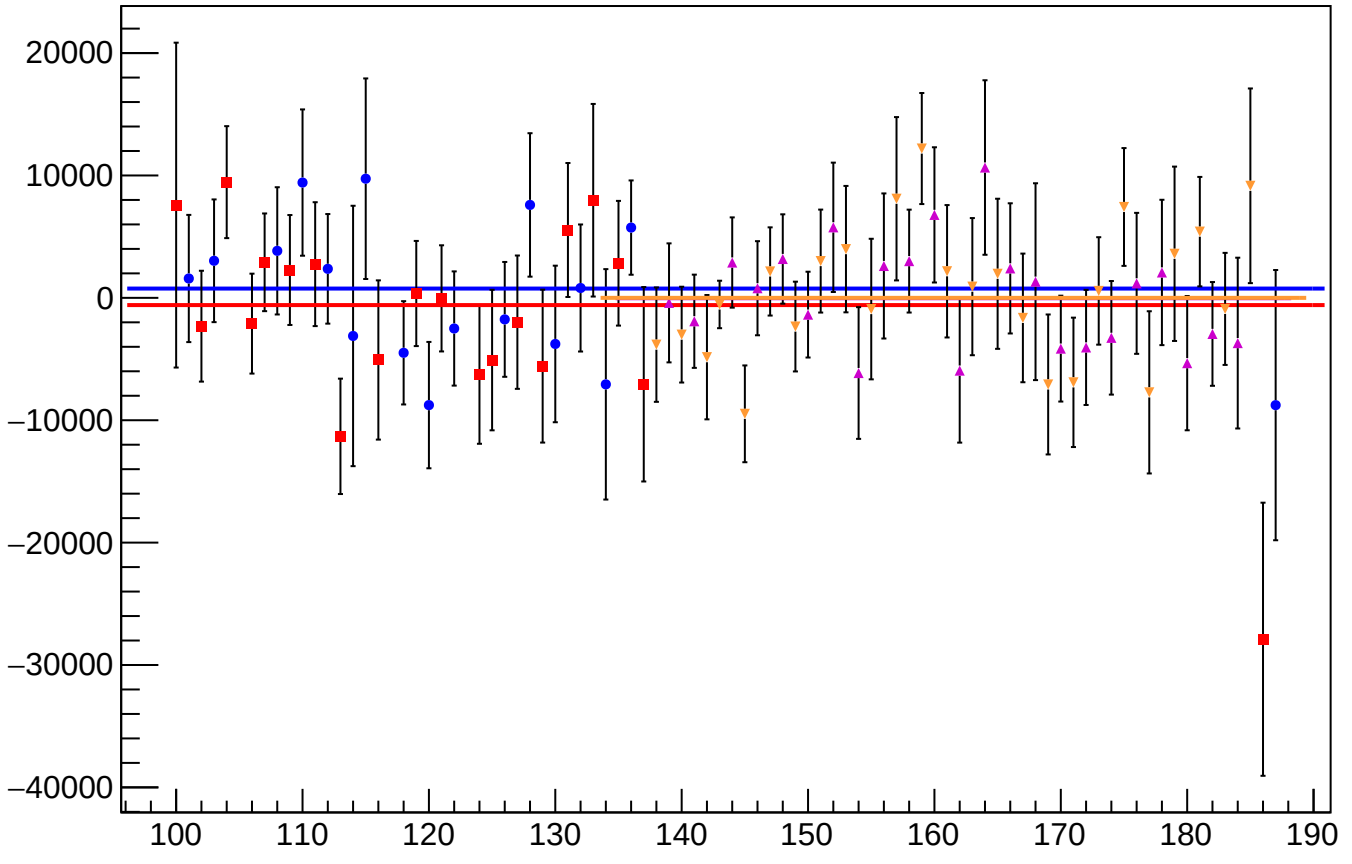
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

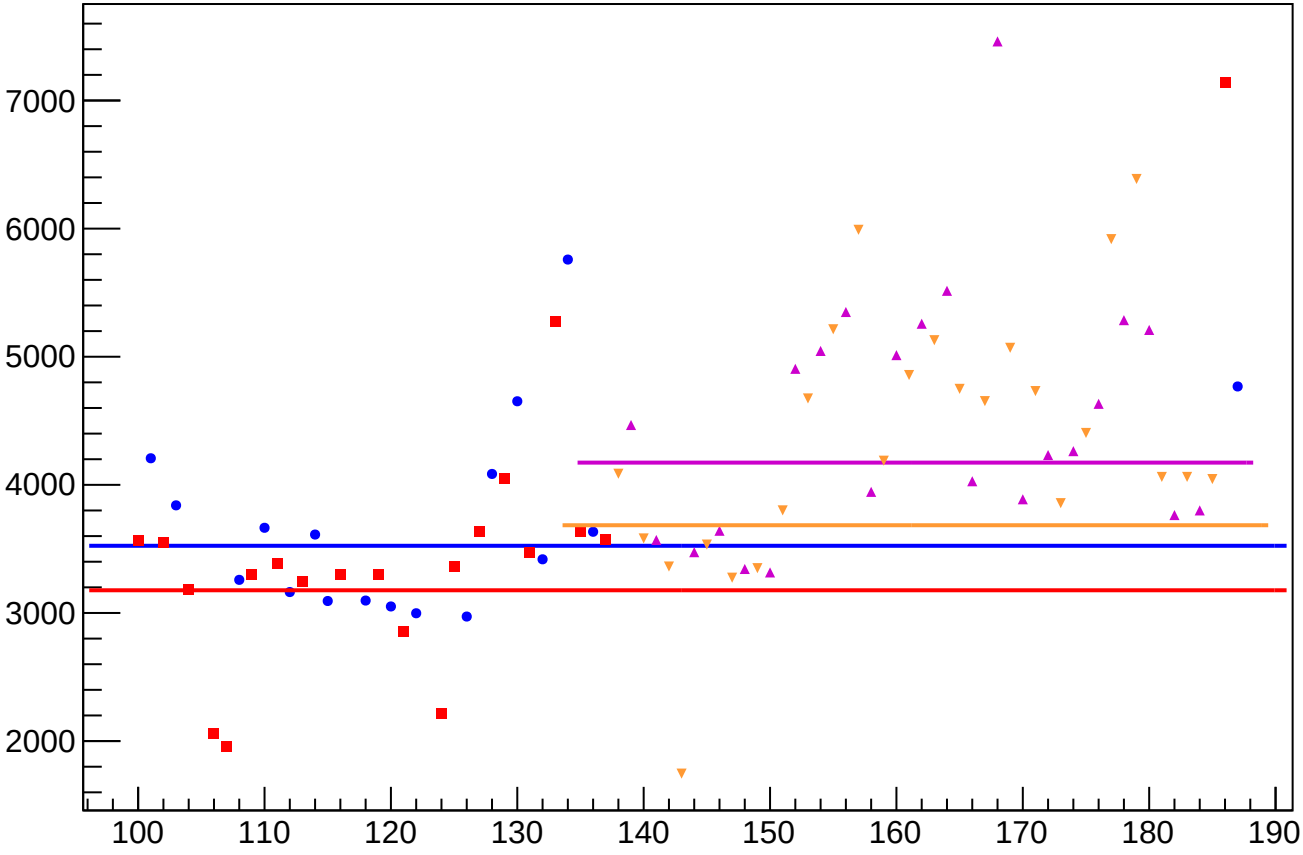
Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -5.831+/-528.355 χ^2/NDF: 83.2/84

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

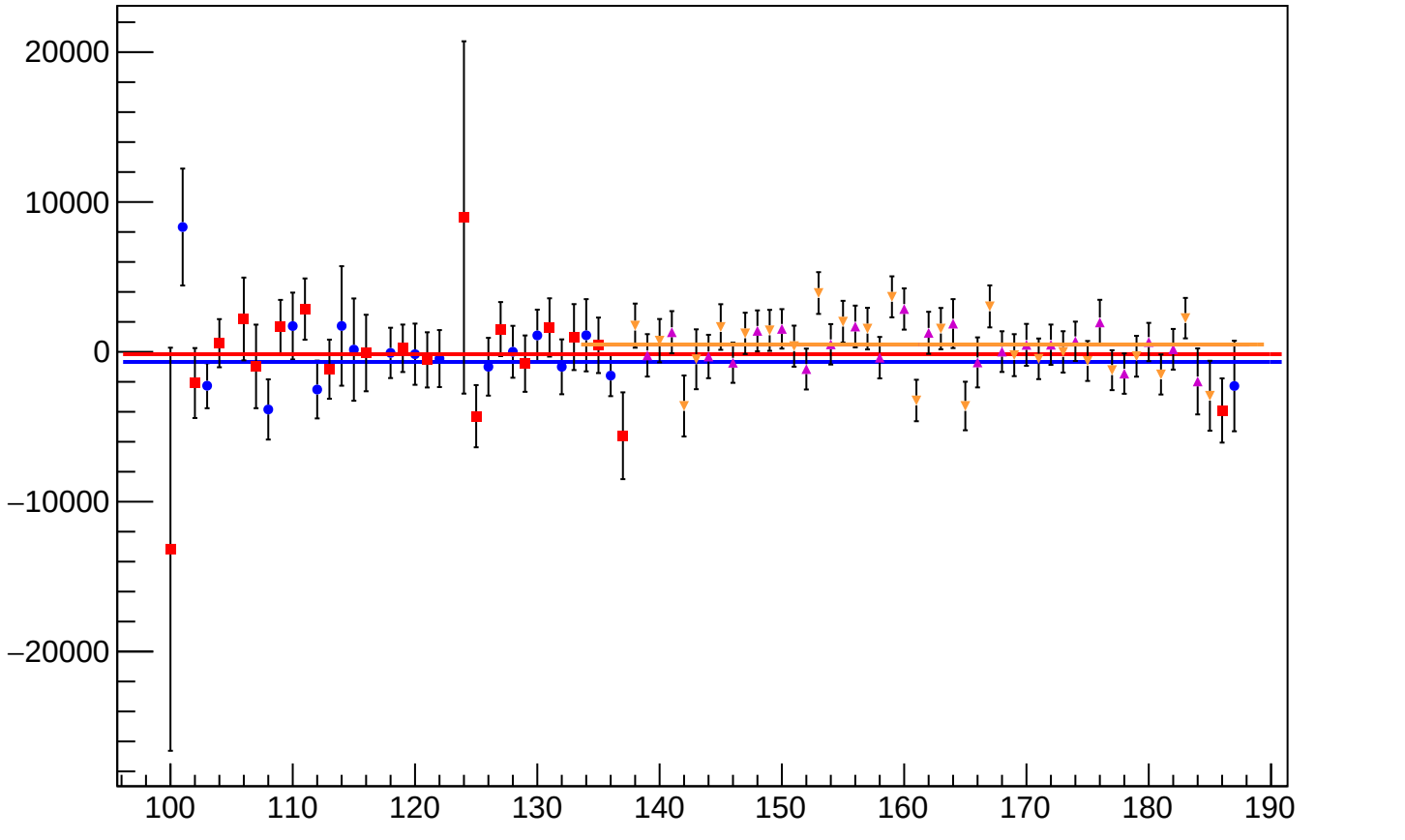
Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3694.249+/-0.374 χ^2/NDF: 7135888.0/84

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

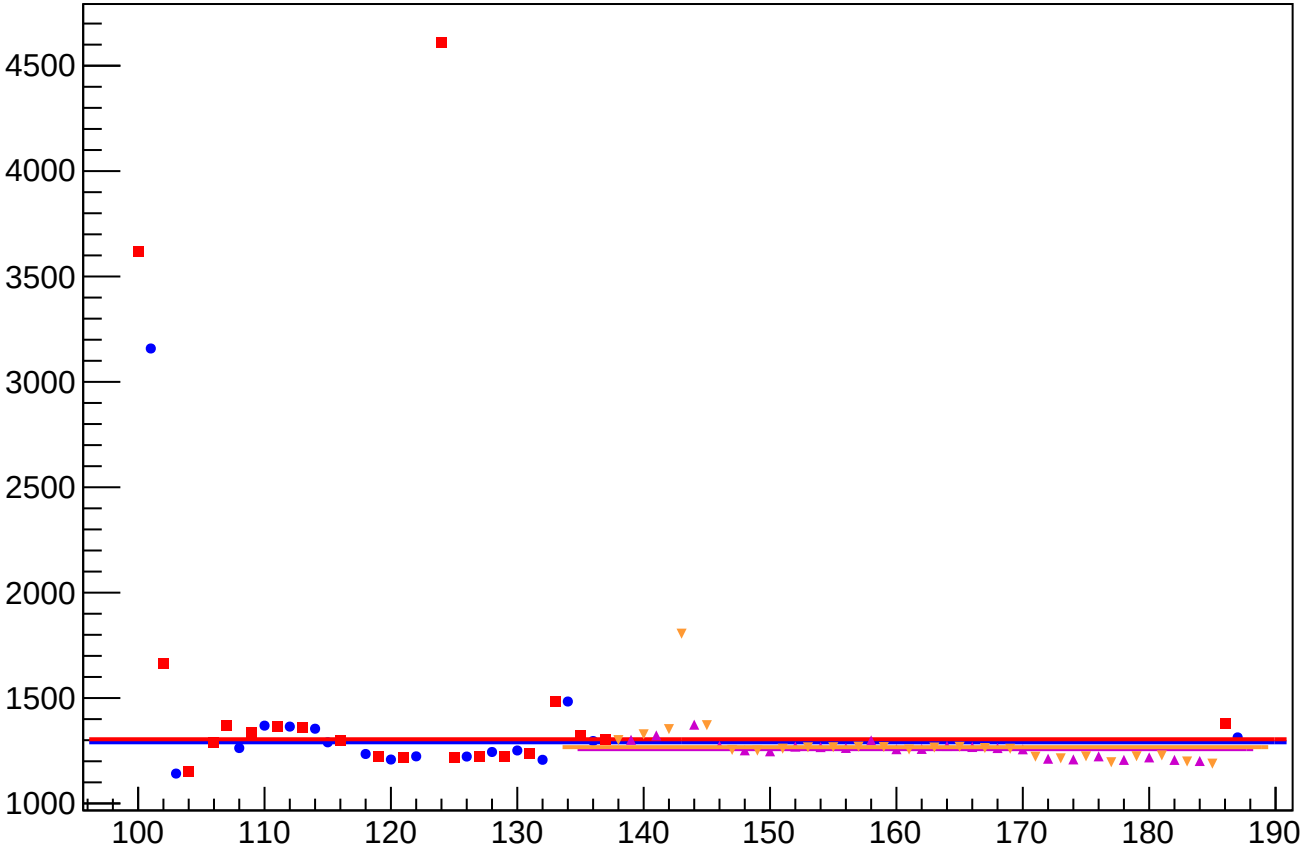
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 246.579+/-175.912 χ^2/NDF: 100.8/84

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

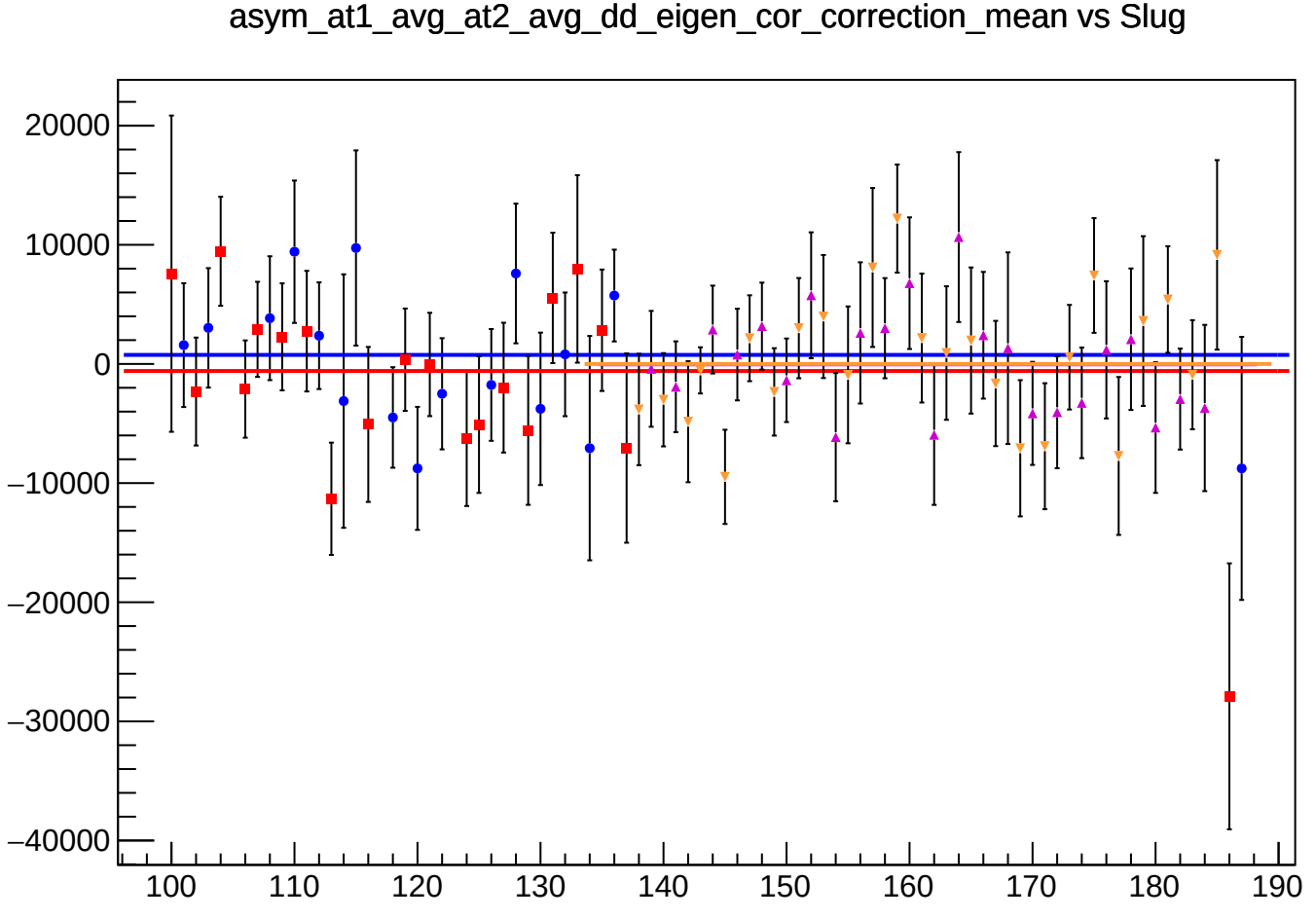
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

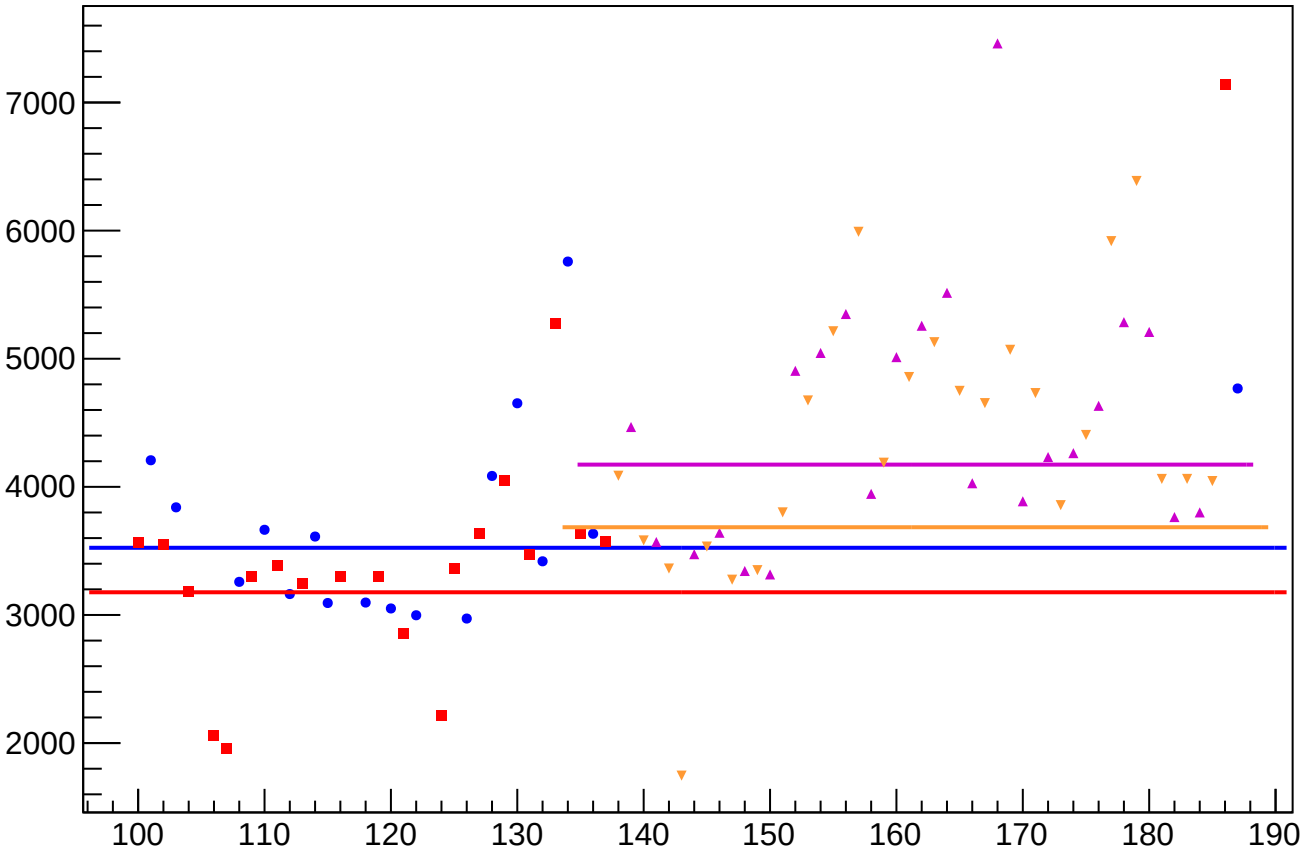
Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -5.831+/-528.355 χ^2/NDF: 83.2/84

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

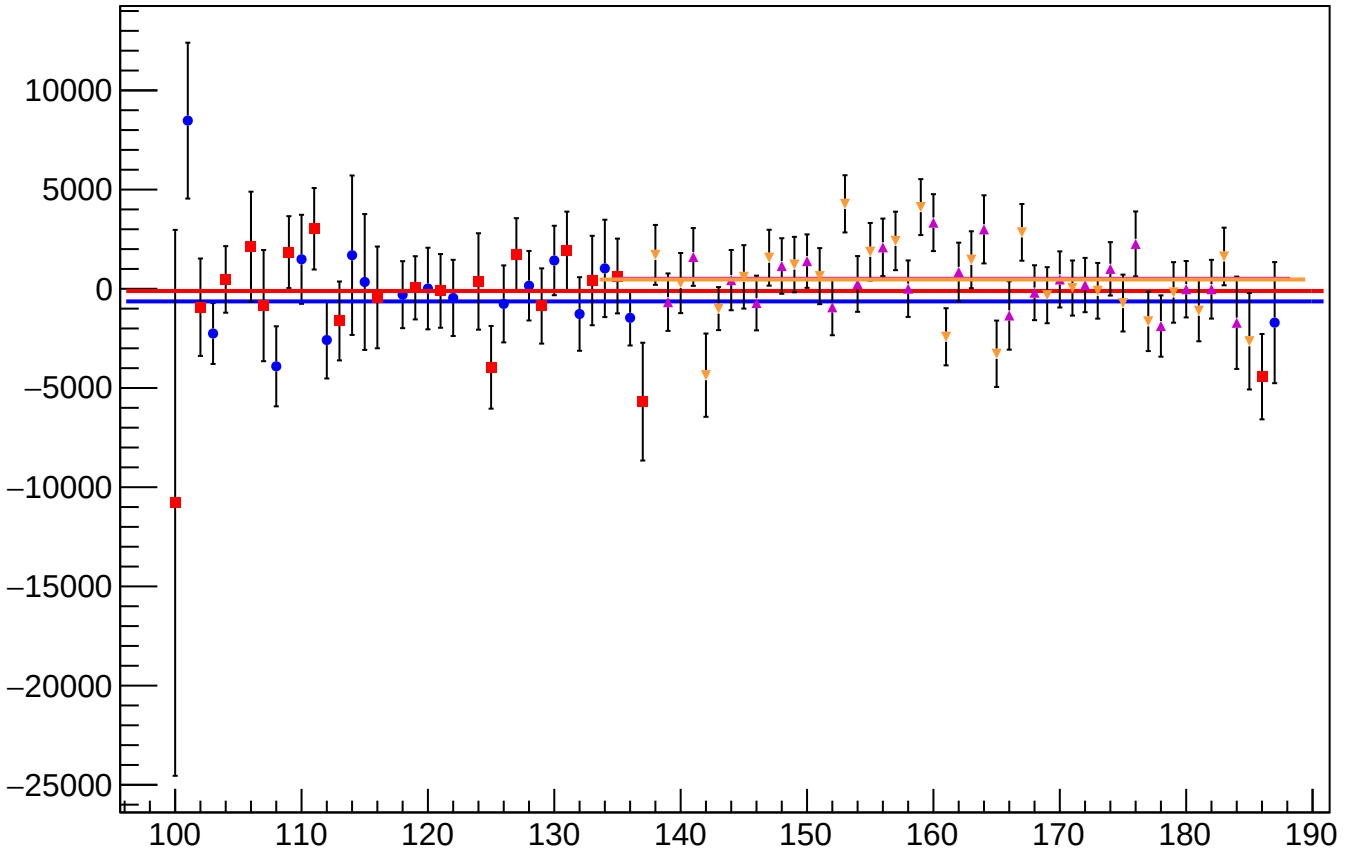
Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3694.249+/-0.374 χ^2/NDF: 7135888.0/84

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.422+/-473.633 χ^2/NDF: 19.1/19

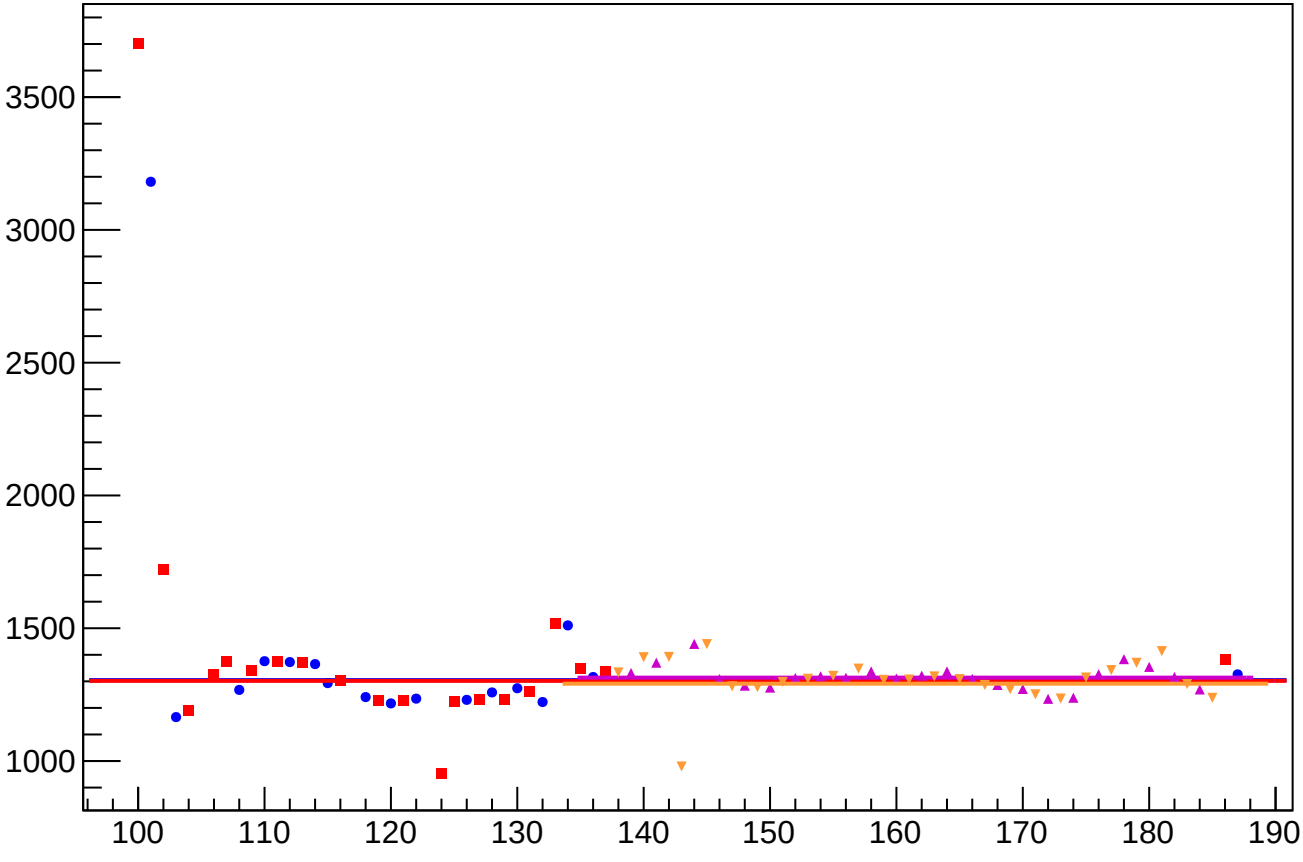
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign 173.449+/-251.967 χ^2/NDF: 62.1/41

All: 245.860+/-180.143 χ^2/NDF: 100.0/84

\- sign 321.574+/-257.649 χ^2/NDF: 37.7/42

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

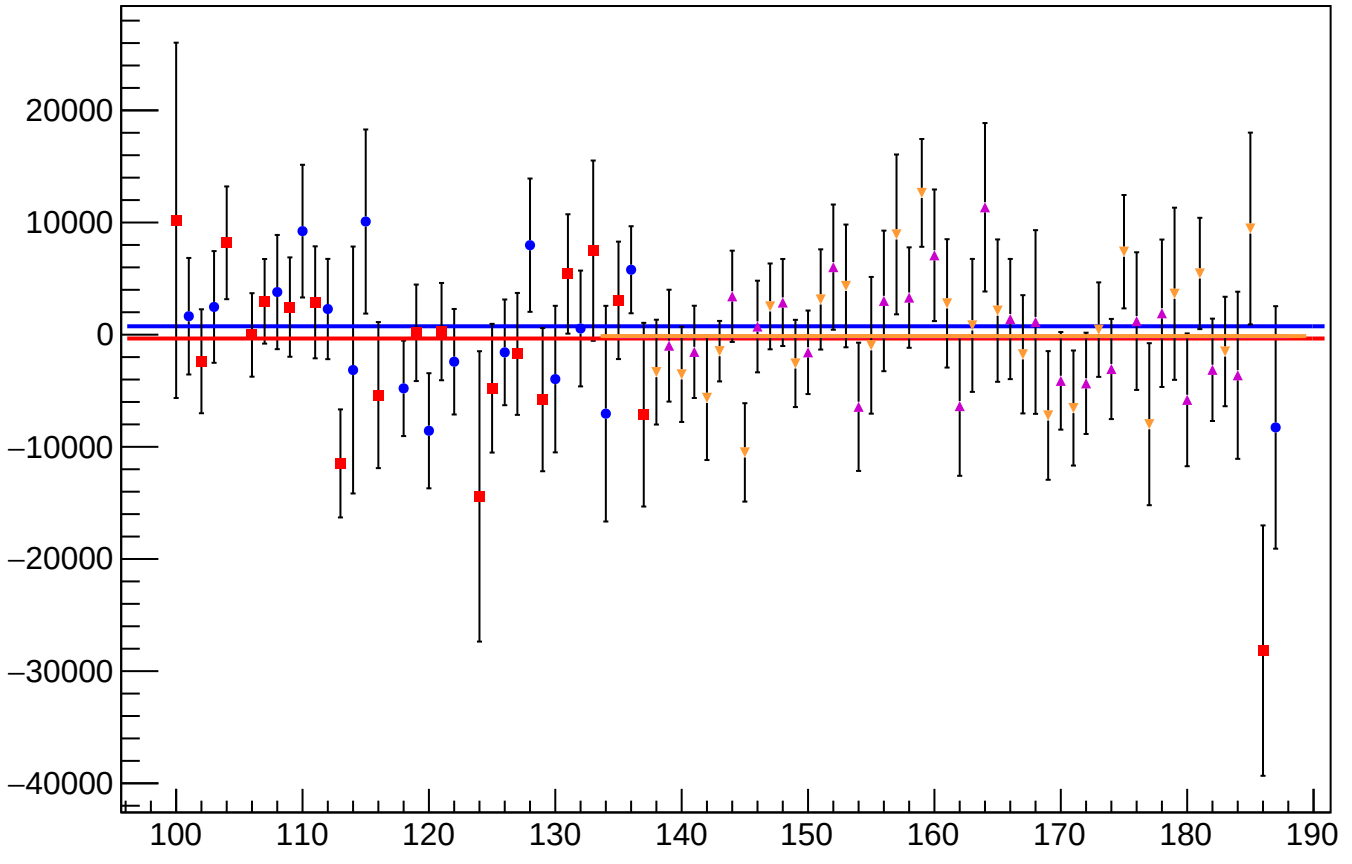
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.2/19

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.801+/-0.178 χ^2/NDF: 742543.2/41

All: 1302.445+/-0.127 χ^2/NDF: 1006392.1/84

- sign 1310.435+/-0.182 χ^2/NDF: 260084.0/42



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

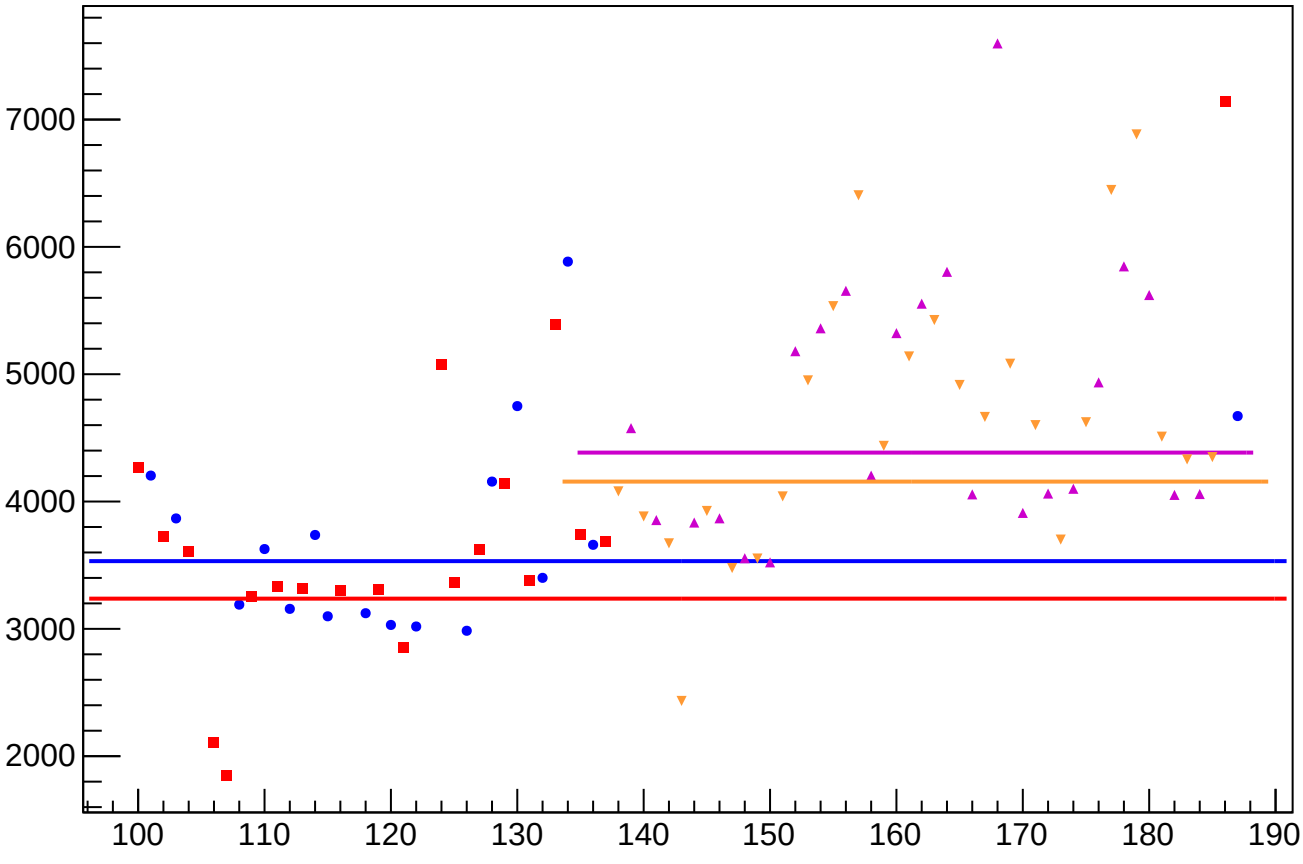
Right Out: -342.260+/-1193.140 χ^2/NDF: 23.1/19

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 183.400+/-784.890 χ^2/NDF: 43.7/41

All: -27.339+/-555.510 χ^2/NDF: 80.7/84

- sign -238.853+/-786.332 χ^2/NDF: 36.9/42



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

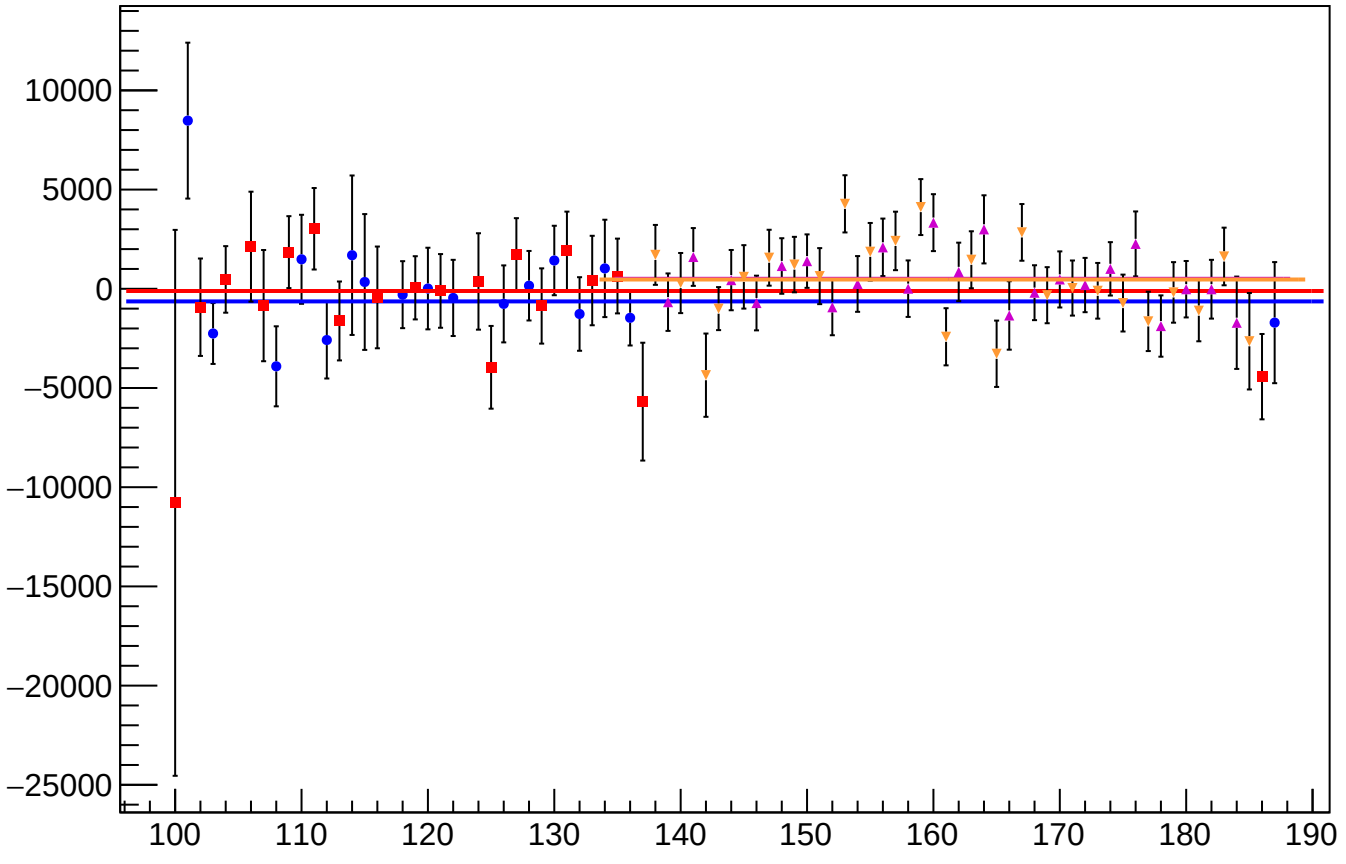
Right Out: 3237.299+/-0.844 χ^2/NDF: 1019707.5/19

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768417.6/41

All: 3910.550+/-0.393 χ^2/NDF: 6093006.5/84

- sign 3886.125+/-0.556 χ^2/NDF: 3320736.4/42



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

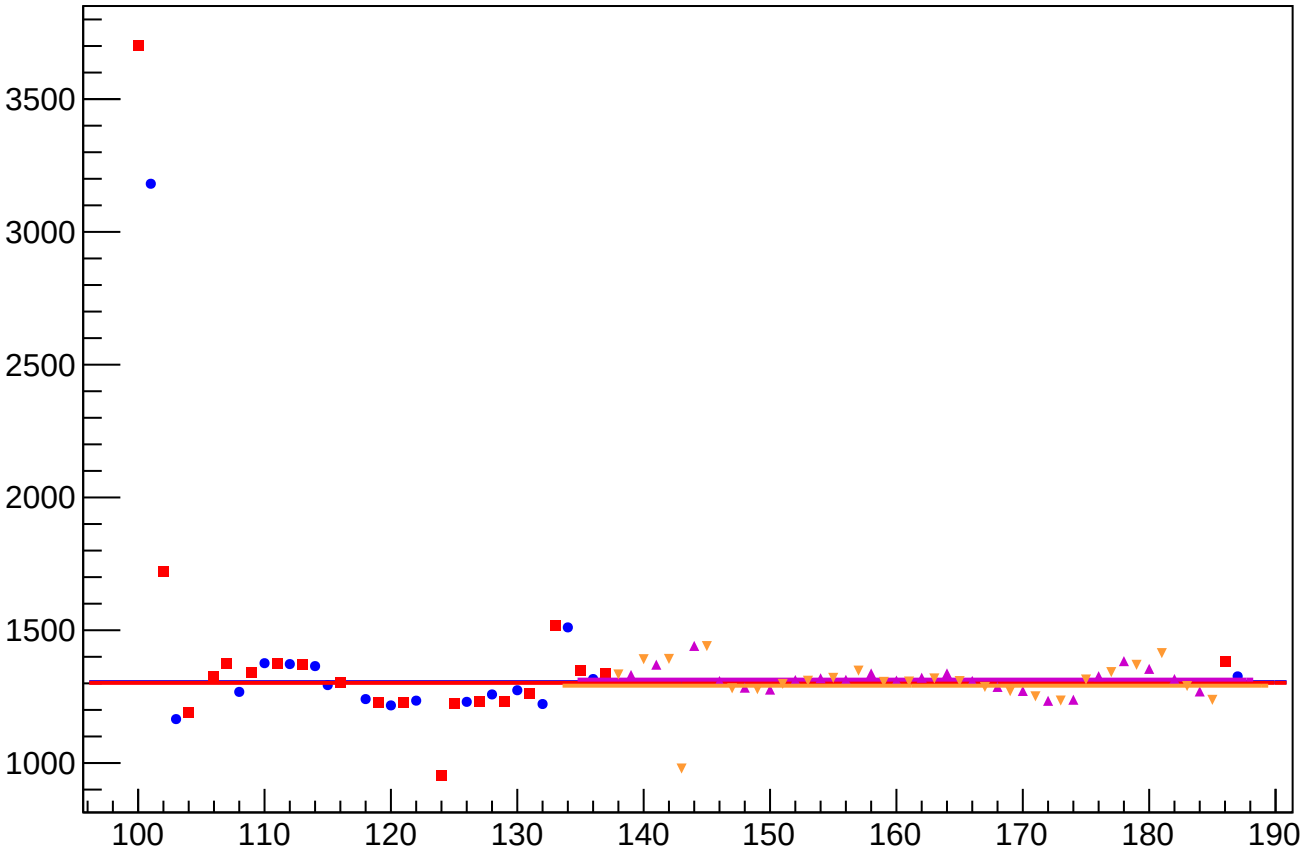
Right Out: -111.413+/-473.633 χ^2/NDF: 19.1/19

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 173.450+/-251.967 χ^2/NDF: 62.1/41

All: 245.862+/-180.143 χ^2/NDF: 100.0/84

- sign 321.577+/-257.649 χ^2/NDF: 37.7/42



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

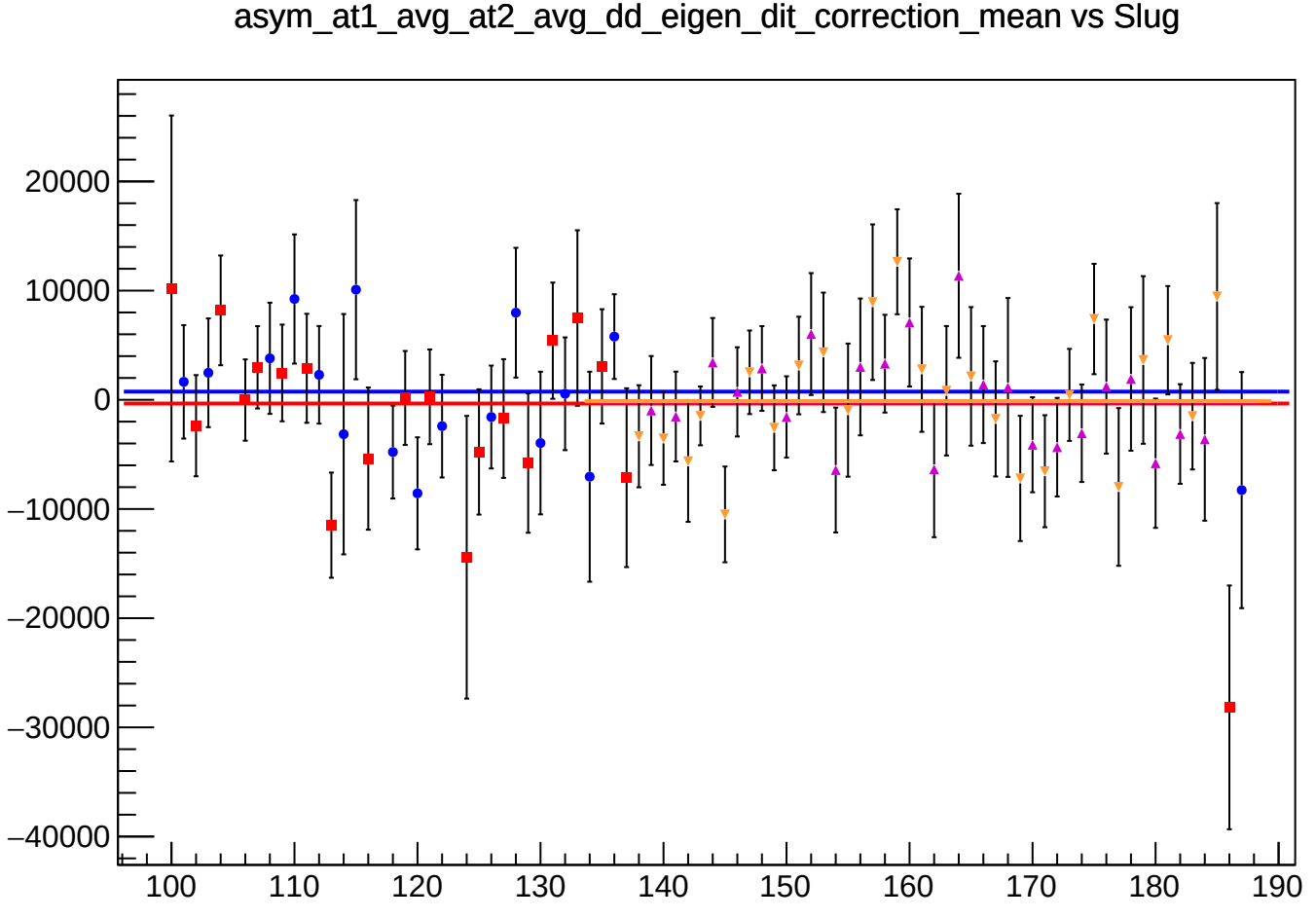
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.3/19

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.802+/-0.178 χ^2/NDF: 742545.6/41

All: 1302.446+/-0.127 χ^2/NDF: 1006396.9/84

- sign 1310.436+/-0.182 χ^2/NDF: 260086.4/42



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

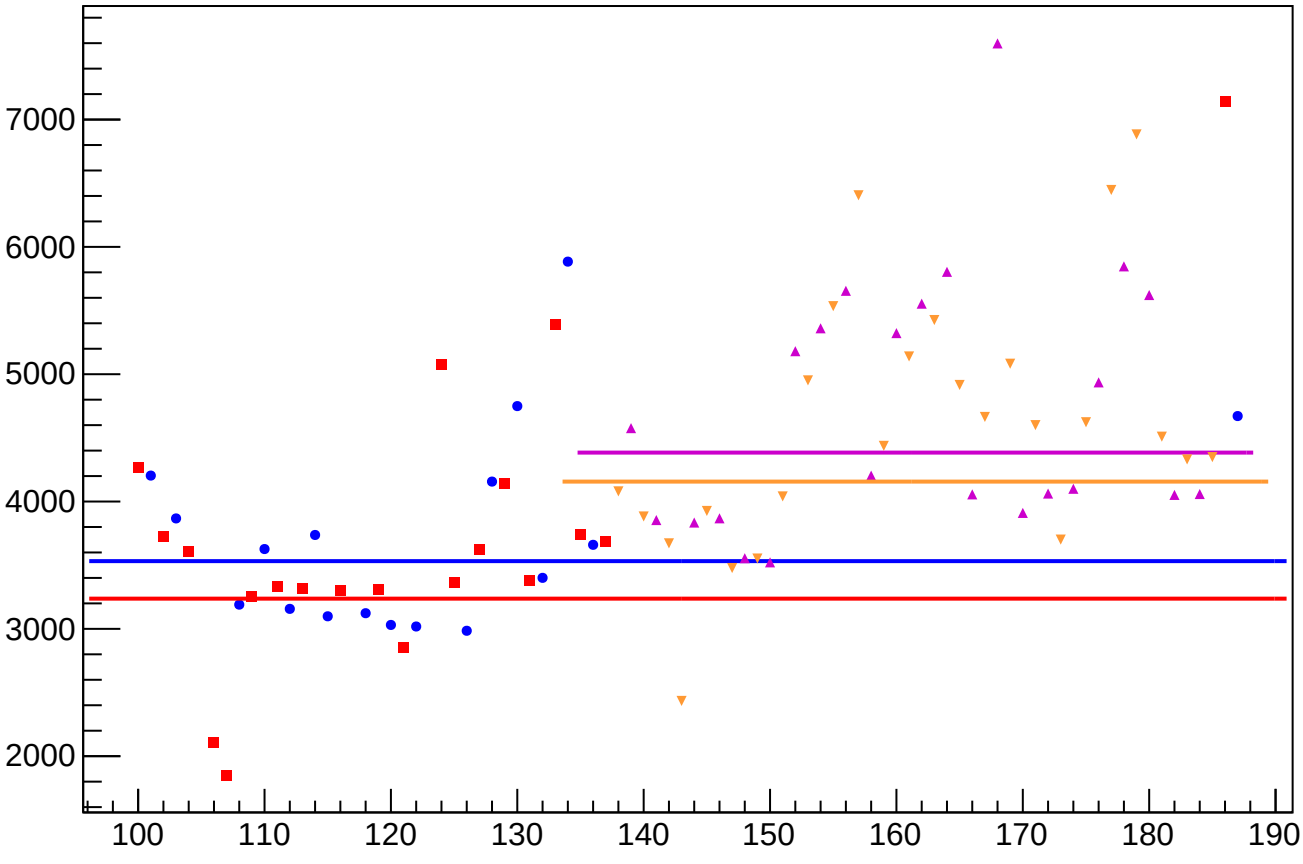
Right Out: -342.255+/-1193.137 χ^2/NDF: 23.1/19

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 183.399+/-784.890 χ^2/NDF: 43.7/41

All: -27.339+/-555.510 χ^2/NDF: 80.7/84

- sign -238.852+/-786.332 χ^2/NDF: 36.9/42



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3237.291+/-0.844 χ^2/NDF: 1019710.1/19

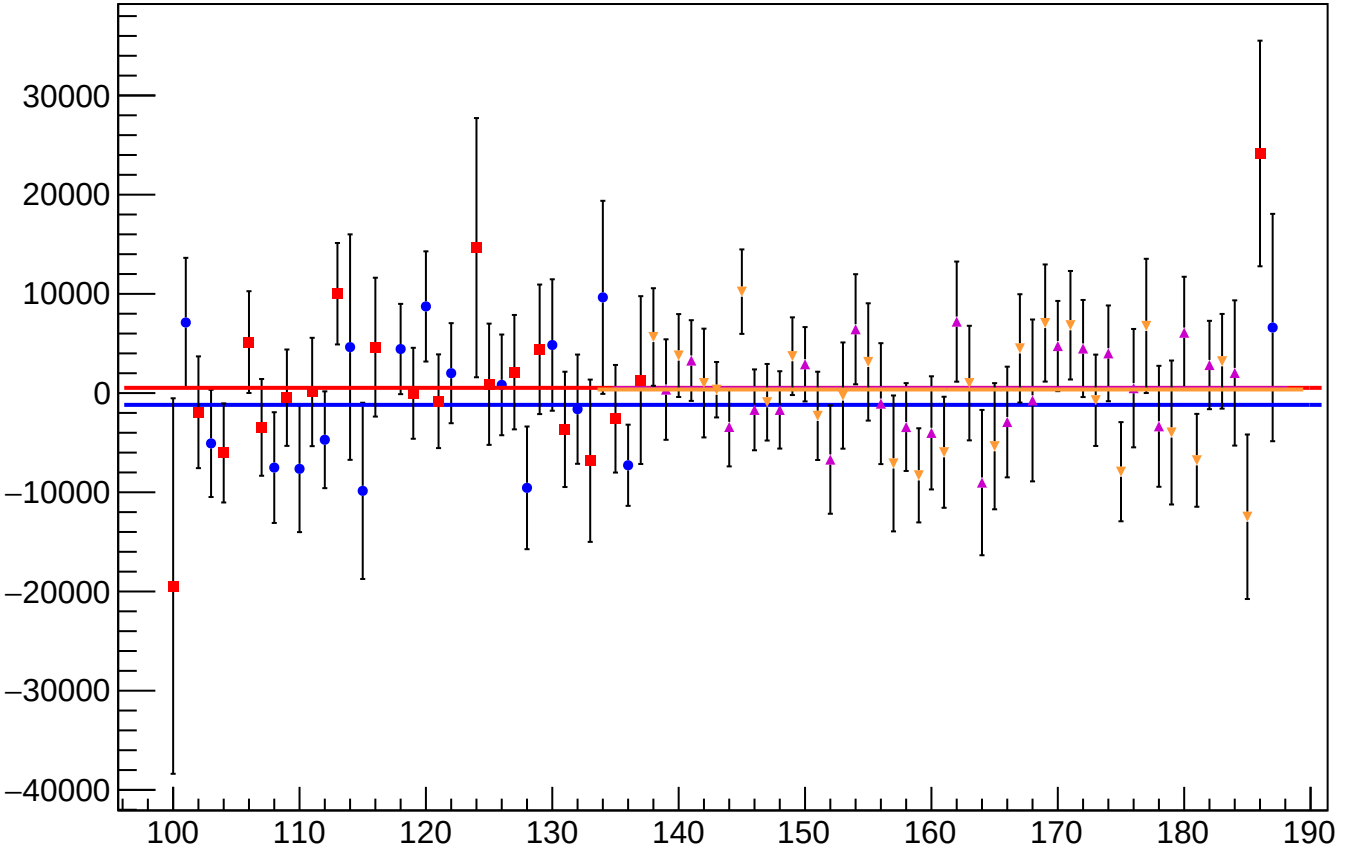
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768440.2/41

All: 3910.549+/-0.393 χ^2/NDF: 6093064.1/84

- sign 3886.123+/-0.556 χ^2/NDF: 3320771.2/42

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 527.725+/-1326.934 χ^2/NDF: 16.0/19

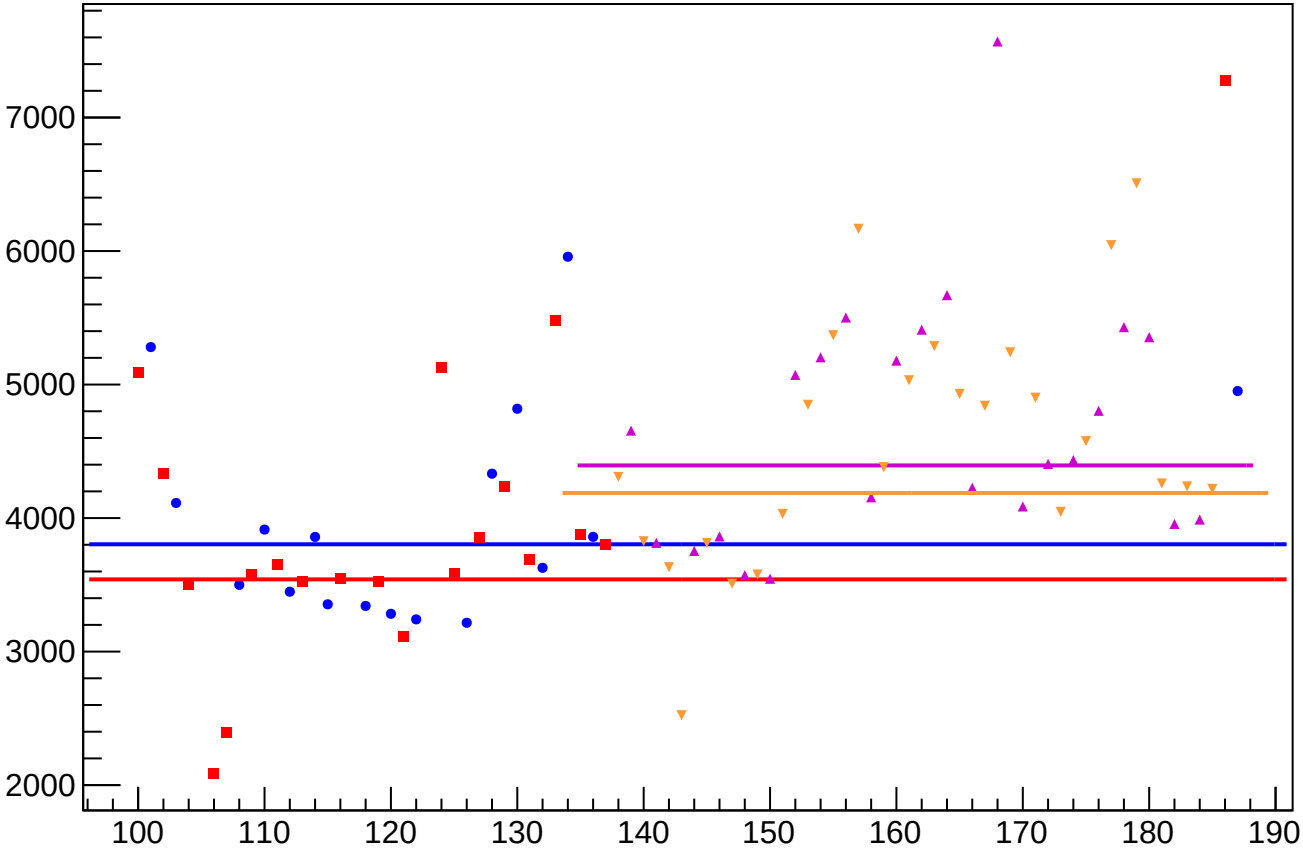
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -137.249+/-806.594 χ^2/NDF: 46.5/41

All: 180.260+/-575.317 χ^2/NDF: 76.7/84

- sign 509.080+/-820.836 χ^2/NDF: 29.9/42

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

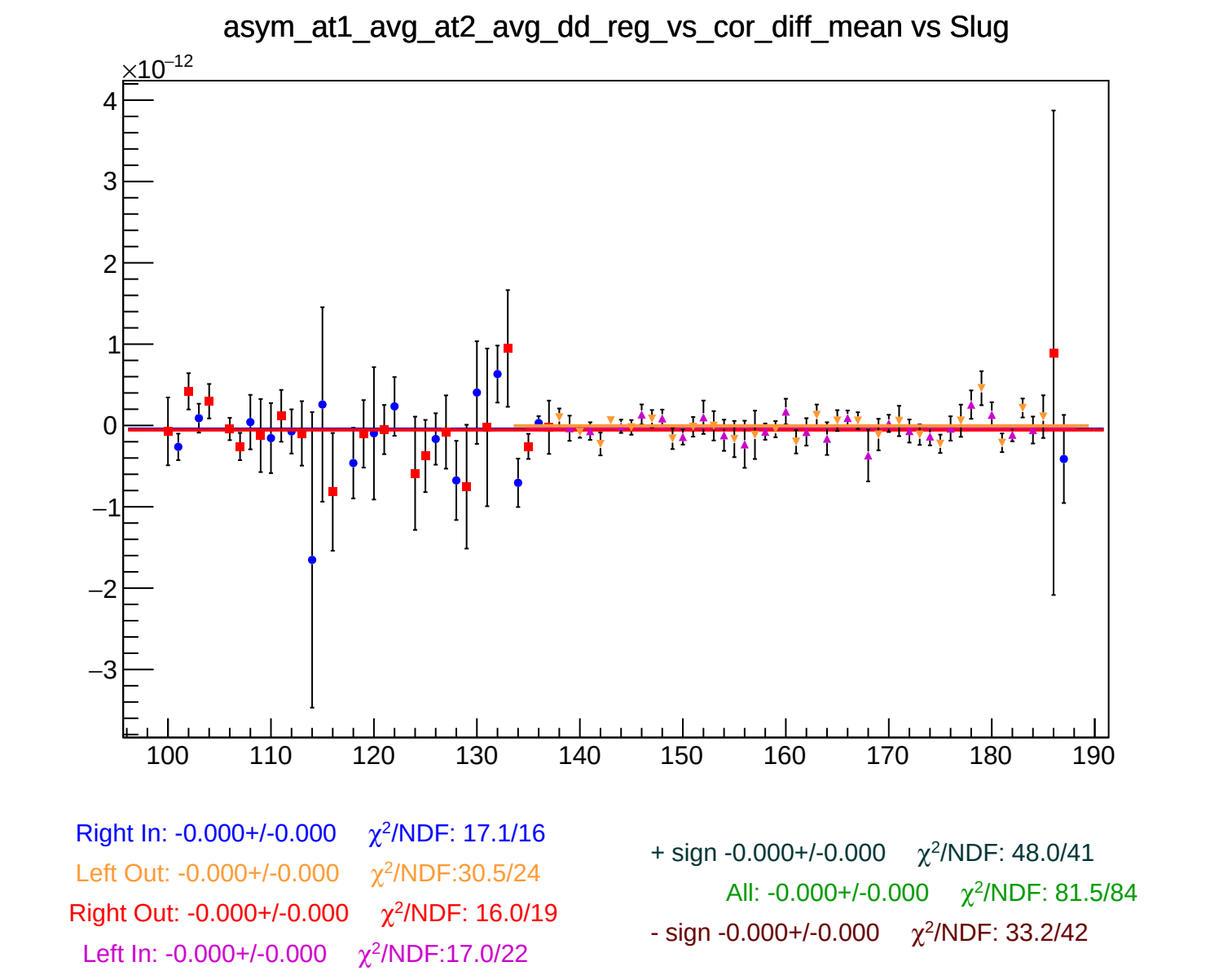
Right Out: 3540.810+/-0.926 χ^2/NDF: 805651.3/19

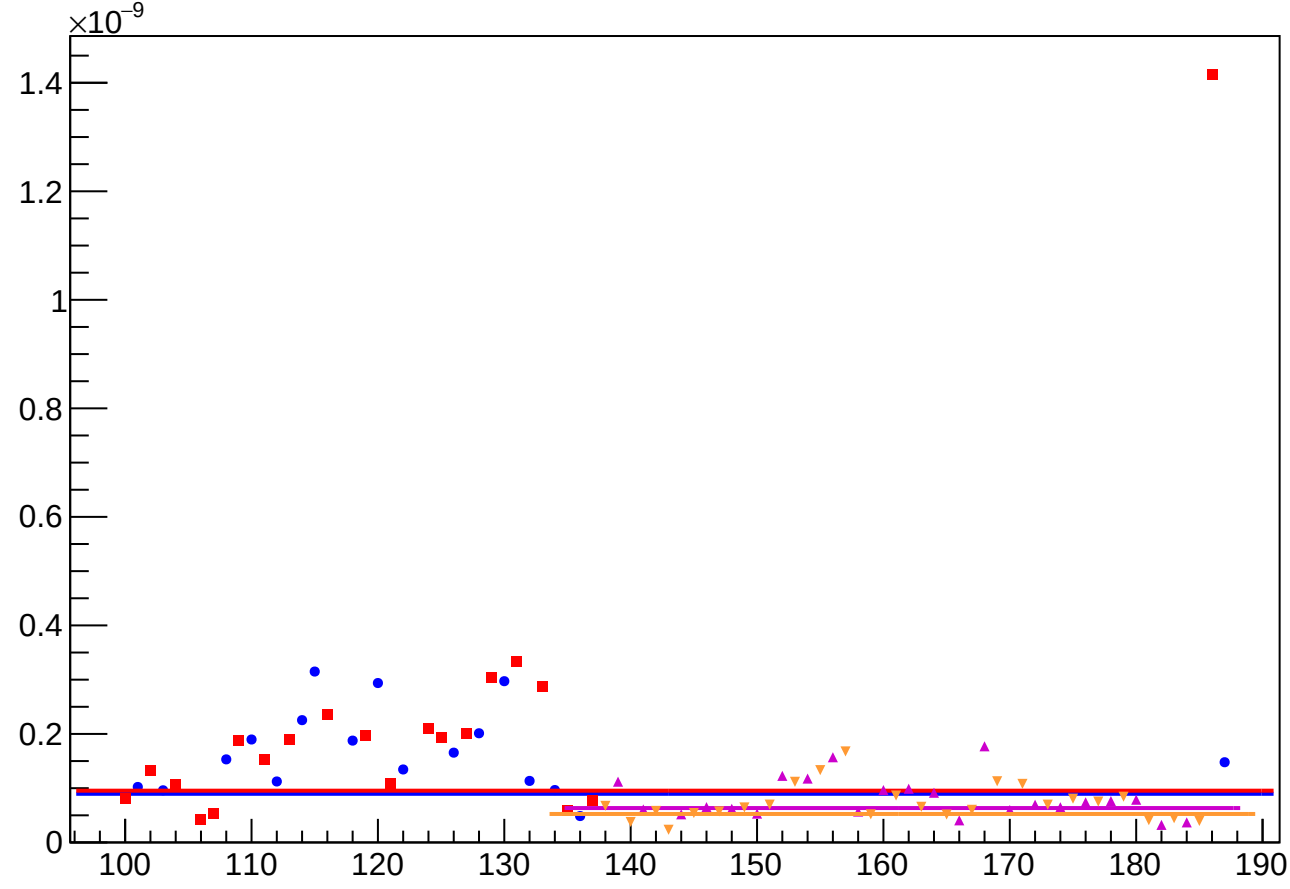
Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4063.999+/-0.570 χ^2/NDF: 2298828.4/41

All: 4063.130+/-0.406 χ^2/NDF: 4712277.4/84

- sign 4062.240+/-0.577 χ^2/NDF: 2413444.3/42


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/16
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/19
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
+ sign -0.000+/-0.000 χ²/NDF: 48.0/41
All: -0.000+/-0.000 χ²/NDF: 81.5/84
- sign -0.000+/-0.000 χ²/NDF: 33.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

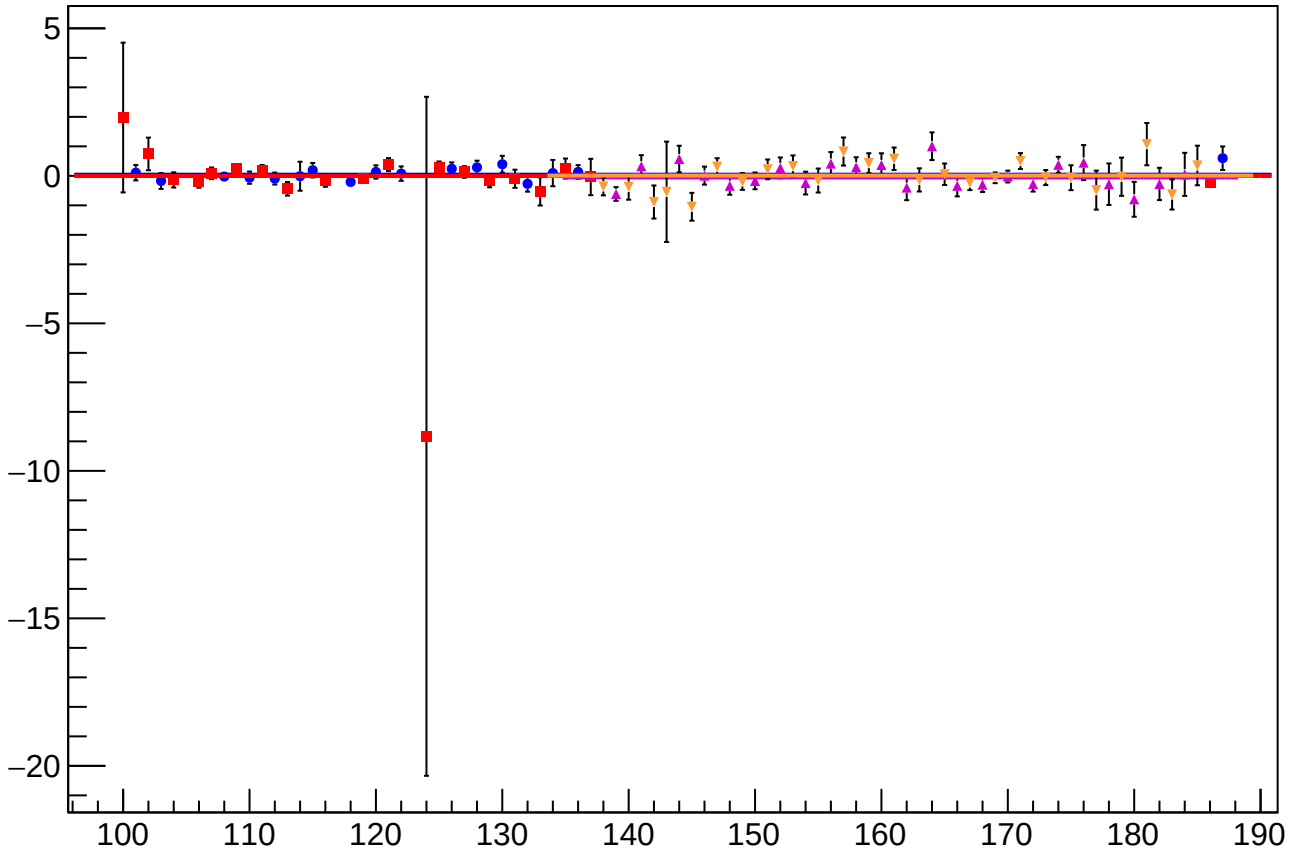
Right Out: 0.000+/-0.000 χ^2/NDF: 2127050.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4815395.8/41

All: 0.000+/-0.000 χ^2/NDF: 9390157.8/84

- sign 0.000+/-0.000 χ^2/NDF: 4344977.8/42



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

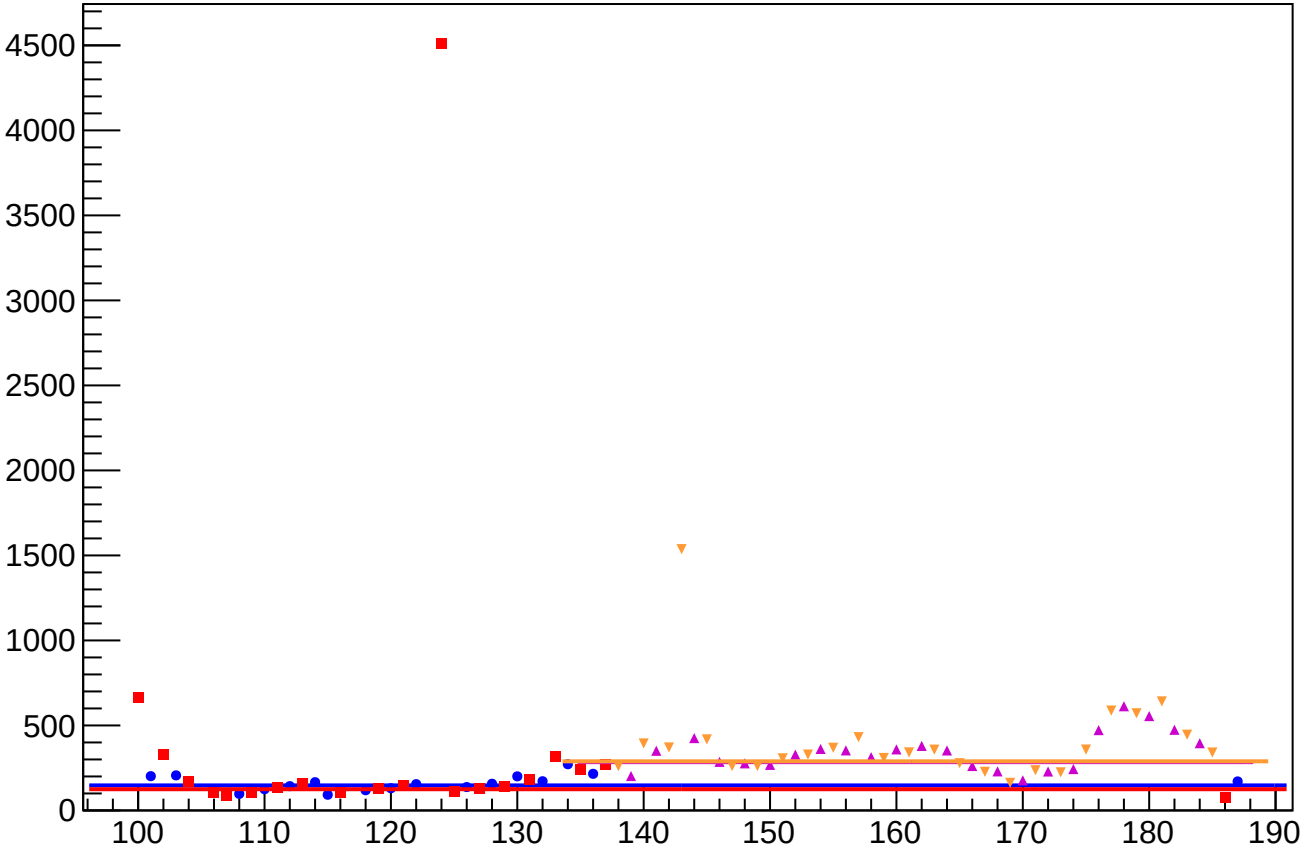
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

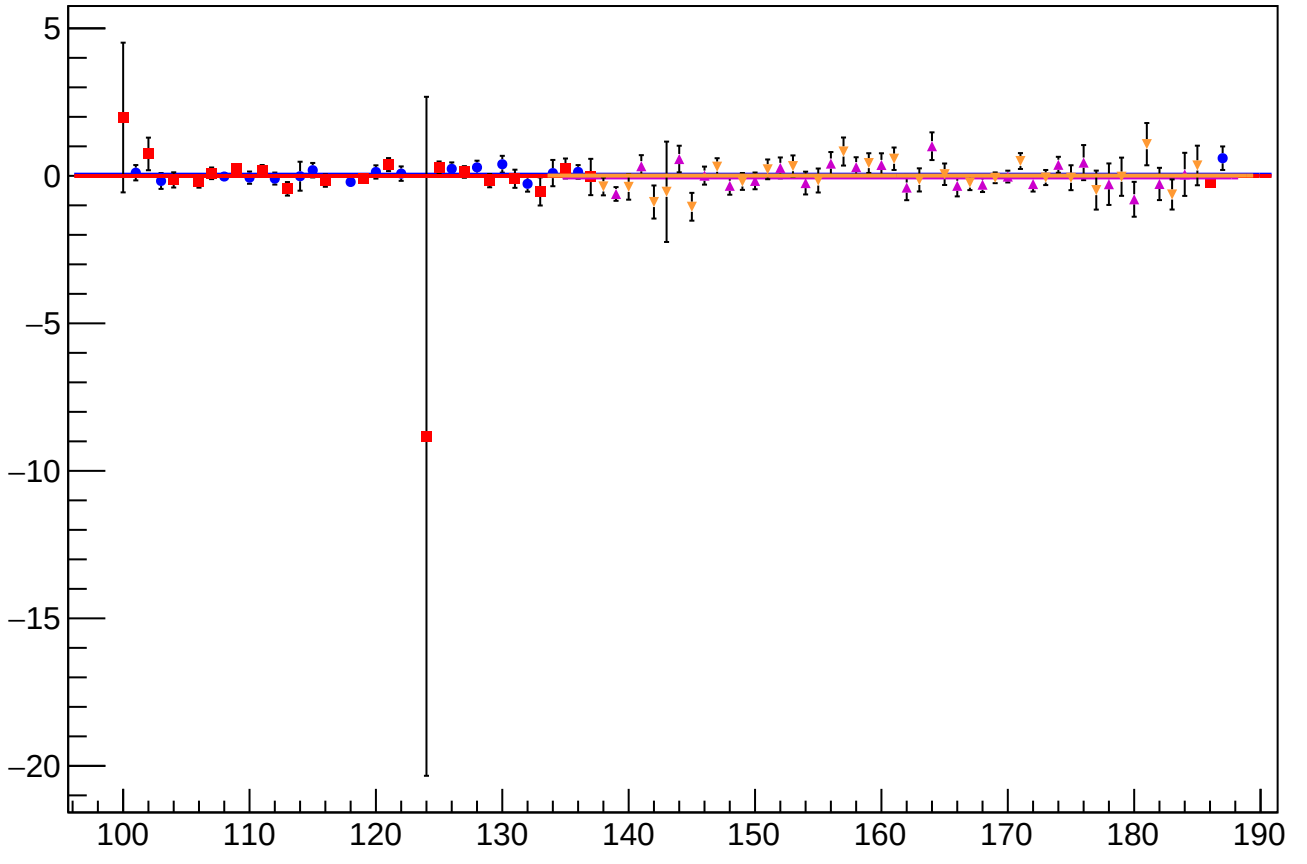
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

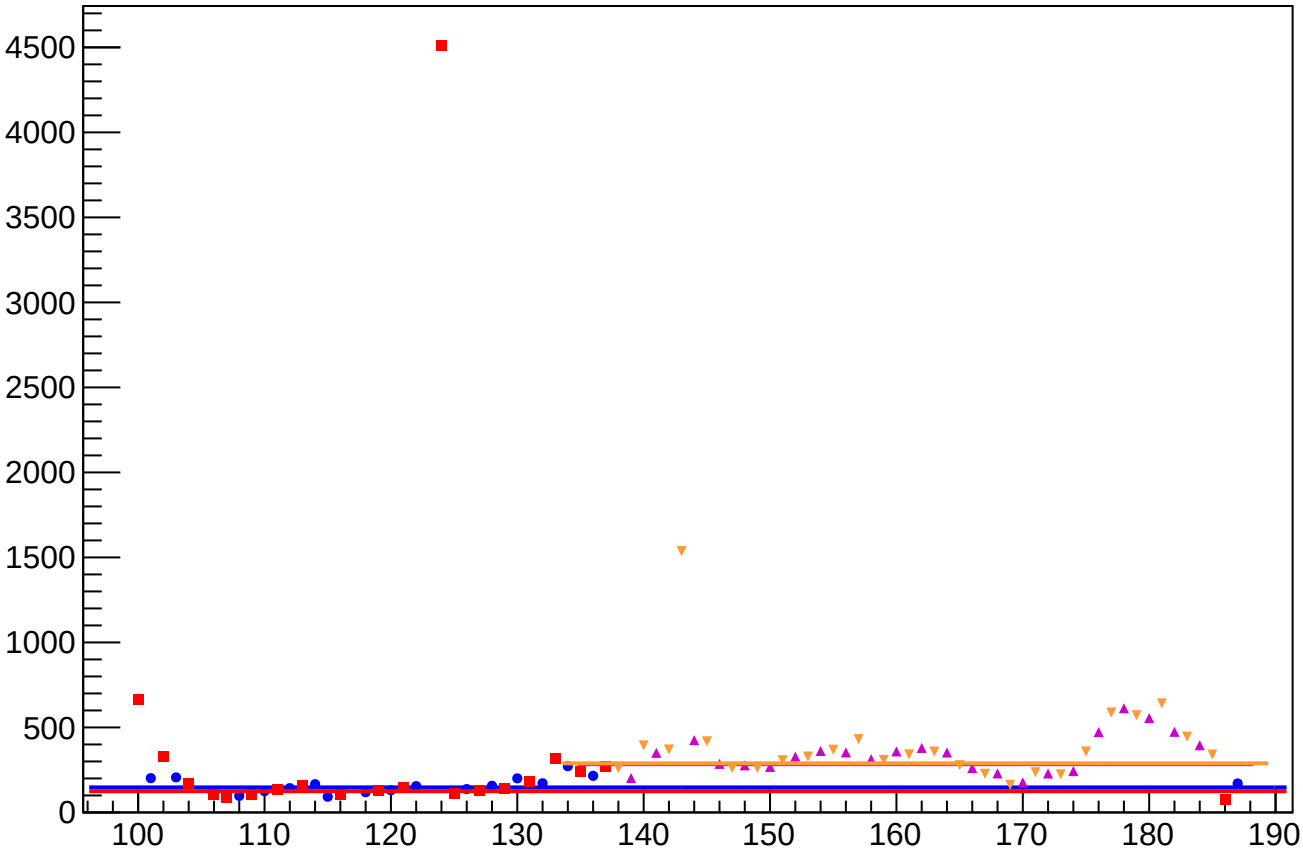
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

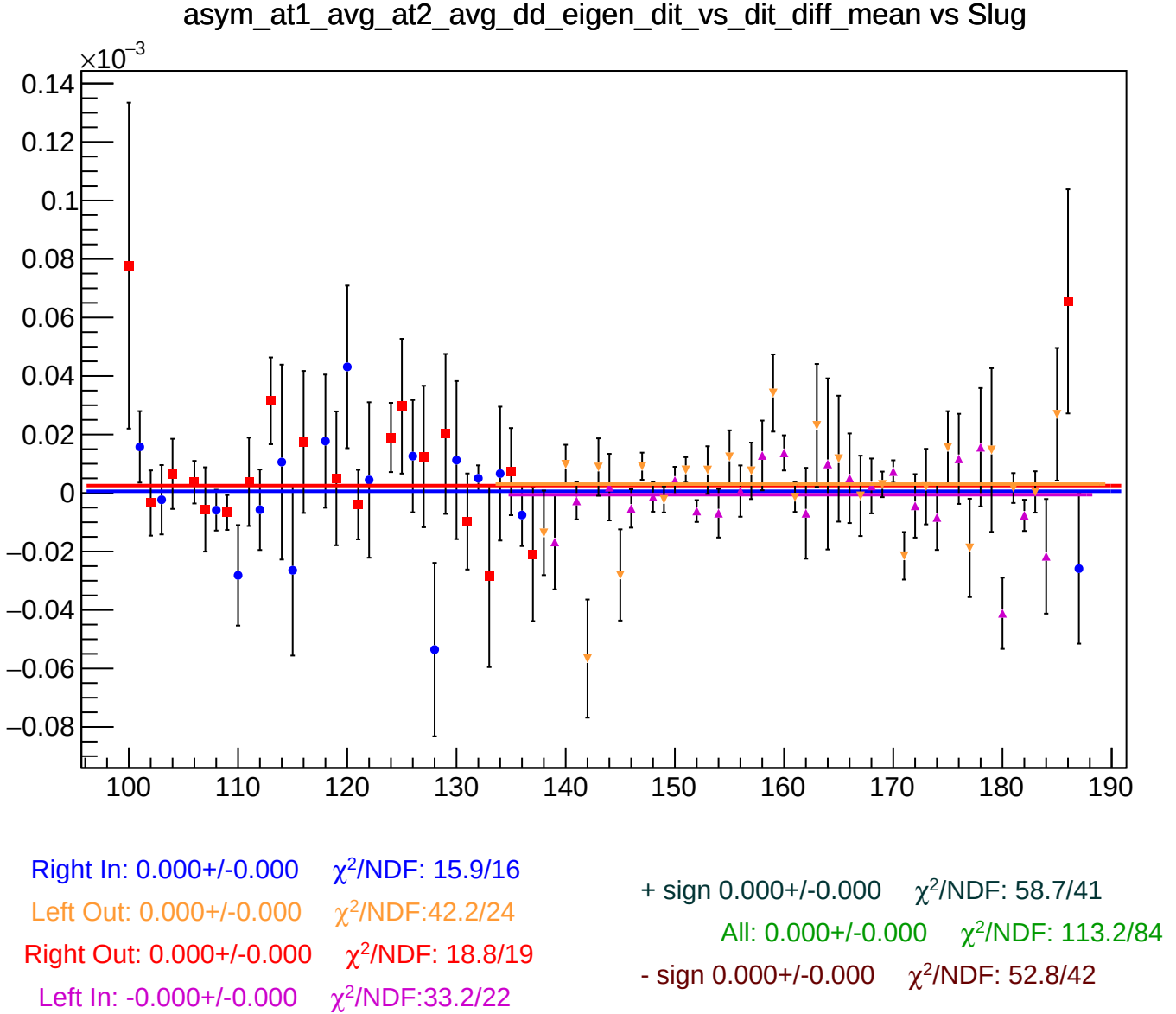
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

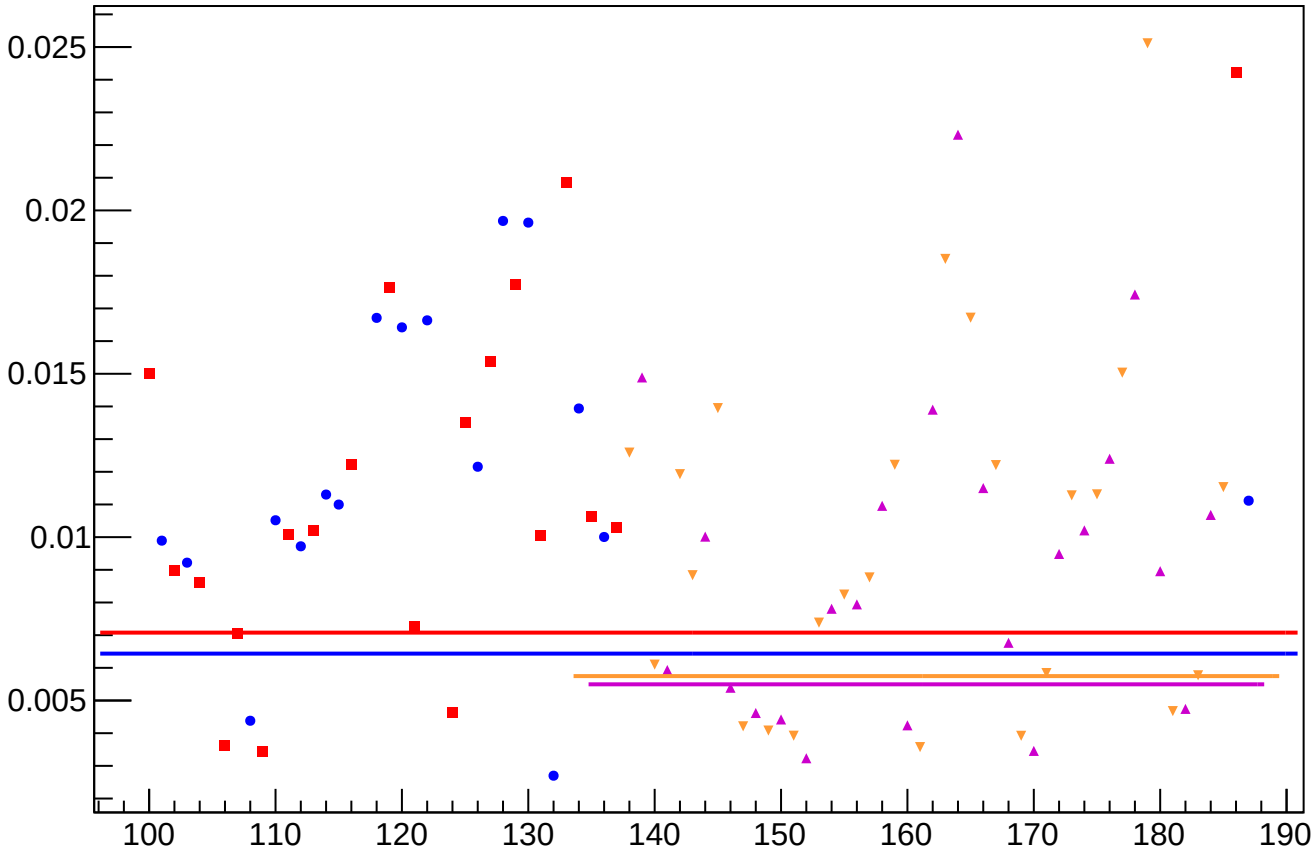
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.9/16
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/19
Left In: -0.000+/-0.000 χ²/NDF:33.2/22
+ sign 0.000+/-0.000 χ²/NDF: 58.7/41
All: 0.000+/-0.000 χ²/NDF: 113.2/84
- sign 0.000+/-0.000 χ²/NDF: 52.8/42



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3813334.3/19

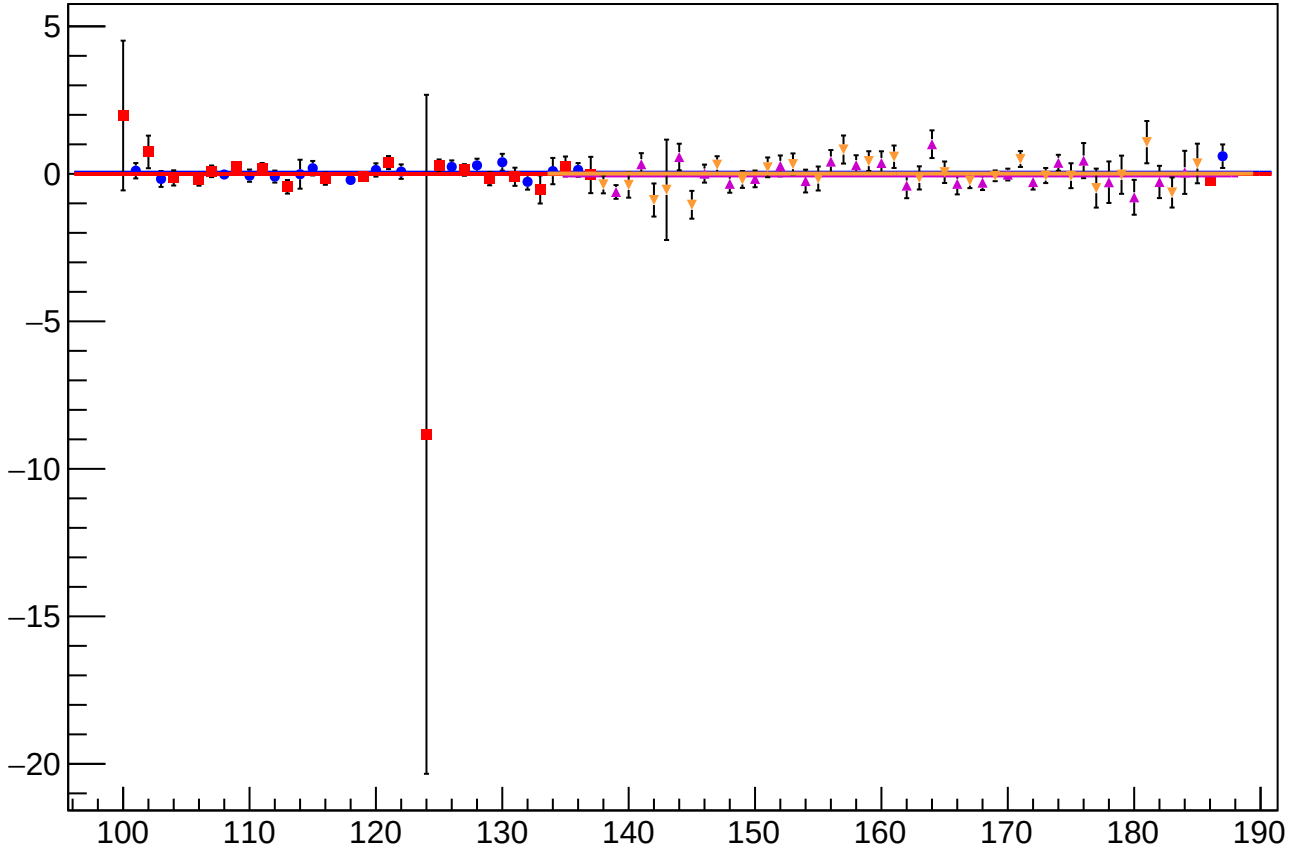
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12923726.3/41

All: 0.006+/-0.000 χ^2/NDF: 24119828.3/84

- sign 0.006+/-0.000 χ^2/NDF: 11192731.8/42

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

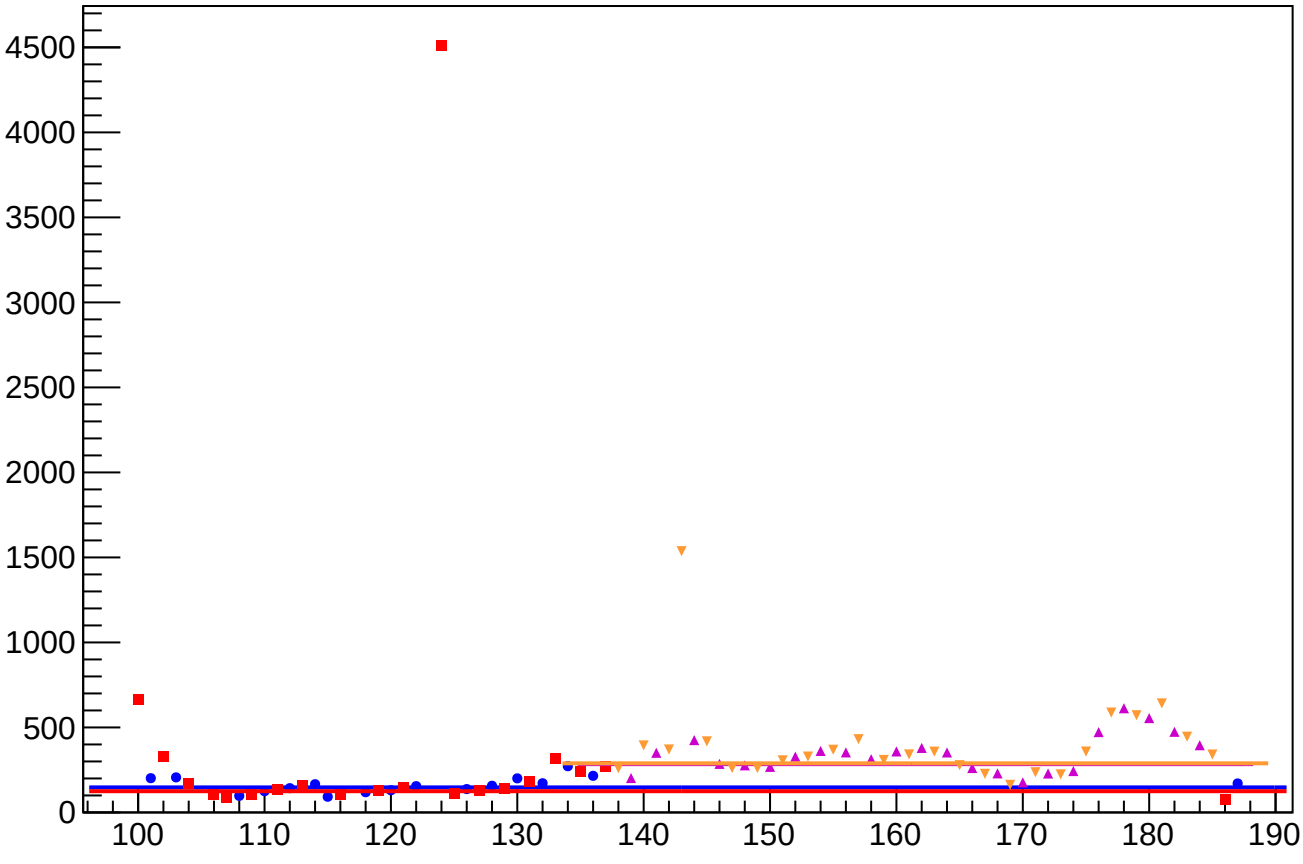
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

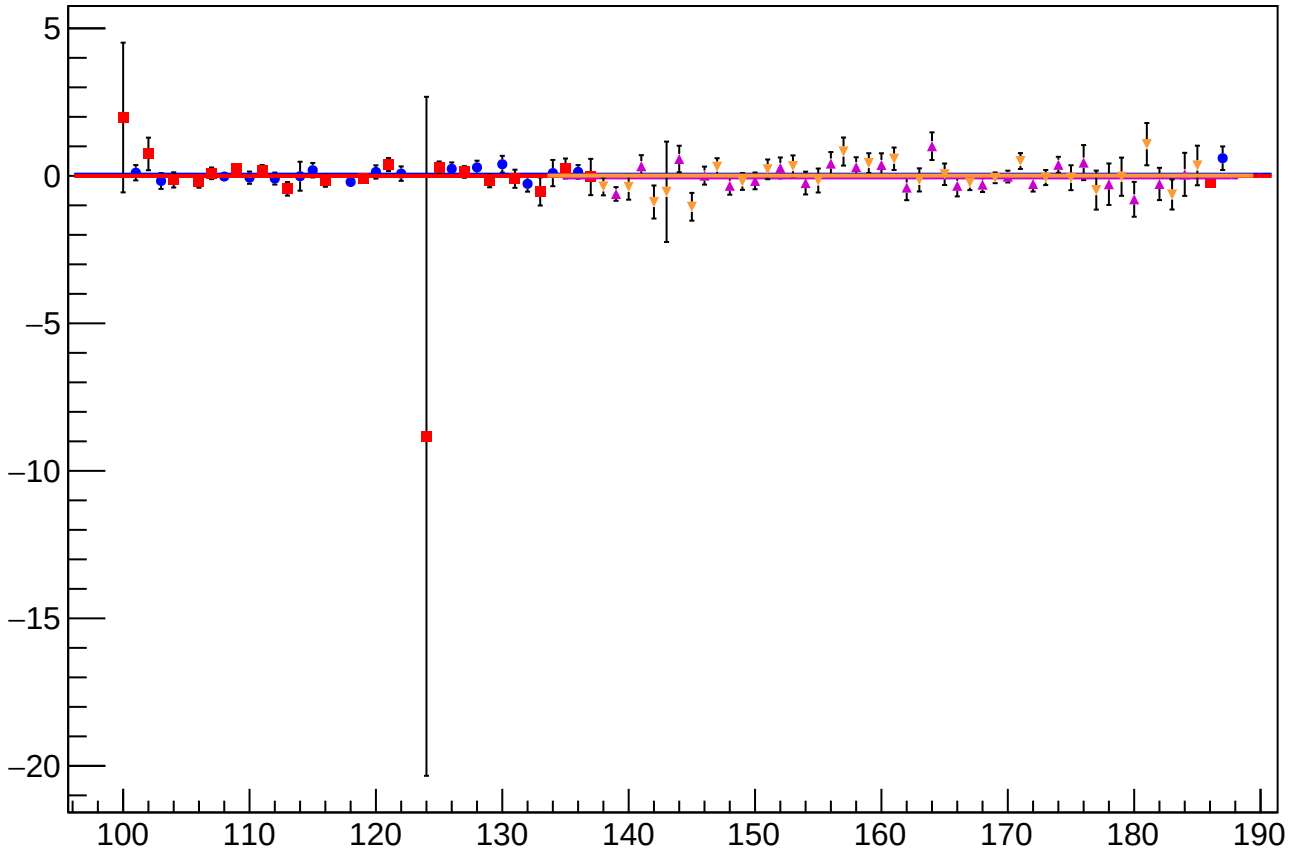
Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.924+/-0.031 χ^2/NDF: 10482932.7/41

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84

- sign 178.595+/-0.029 χ^2/NDF: 11852258.1/42



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

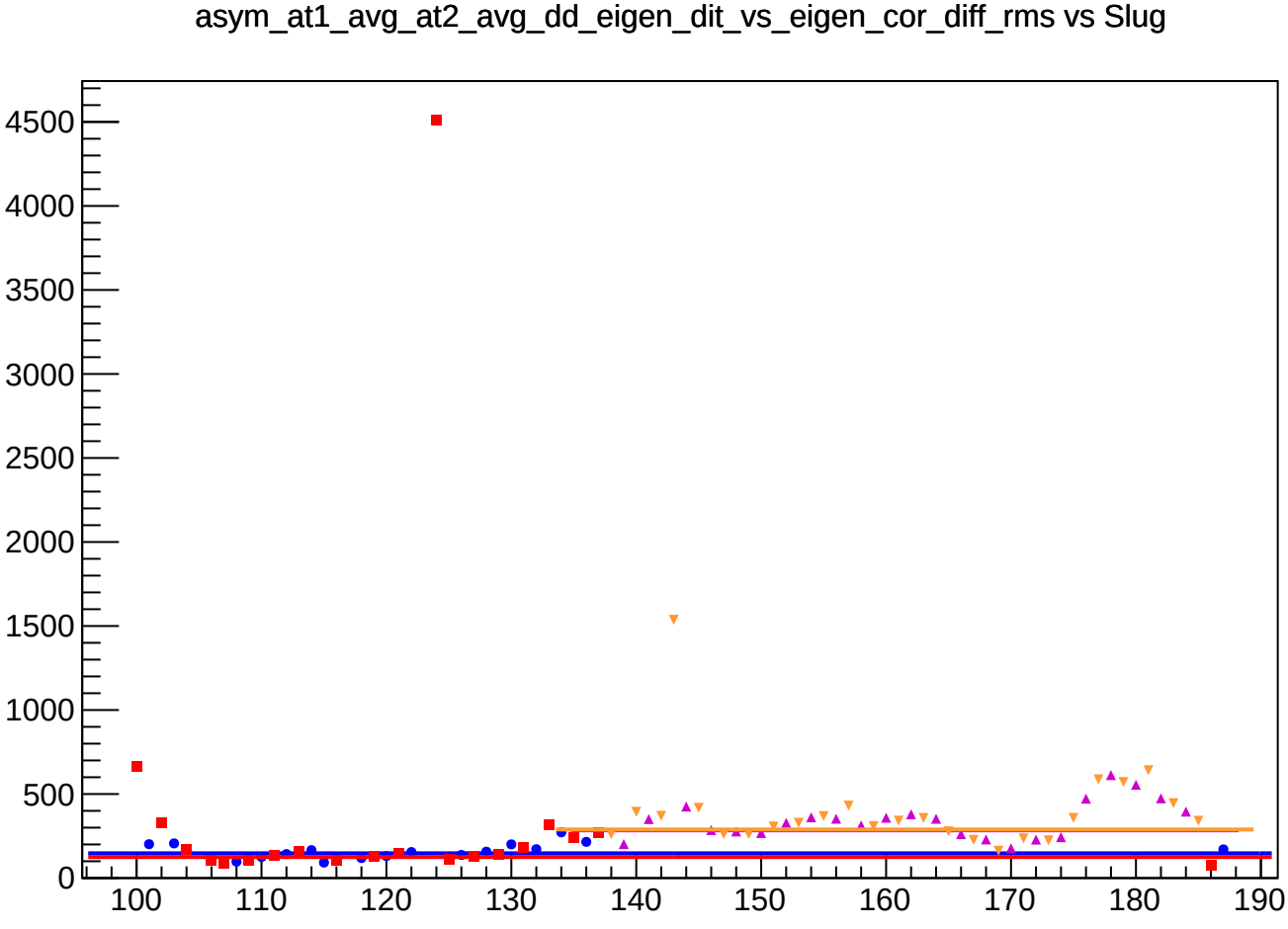
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

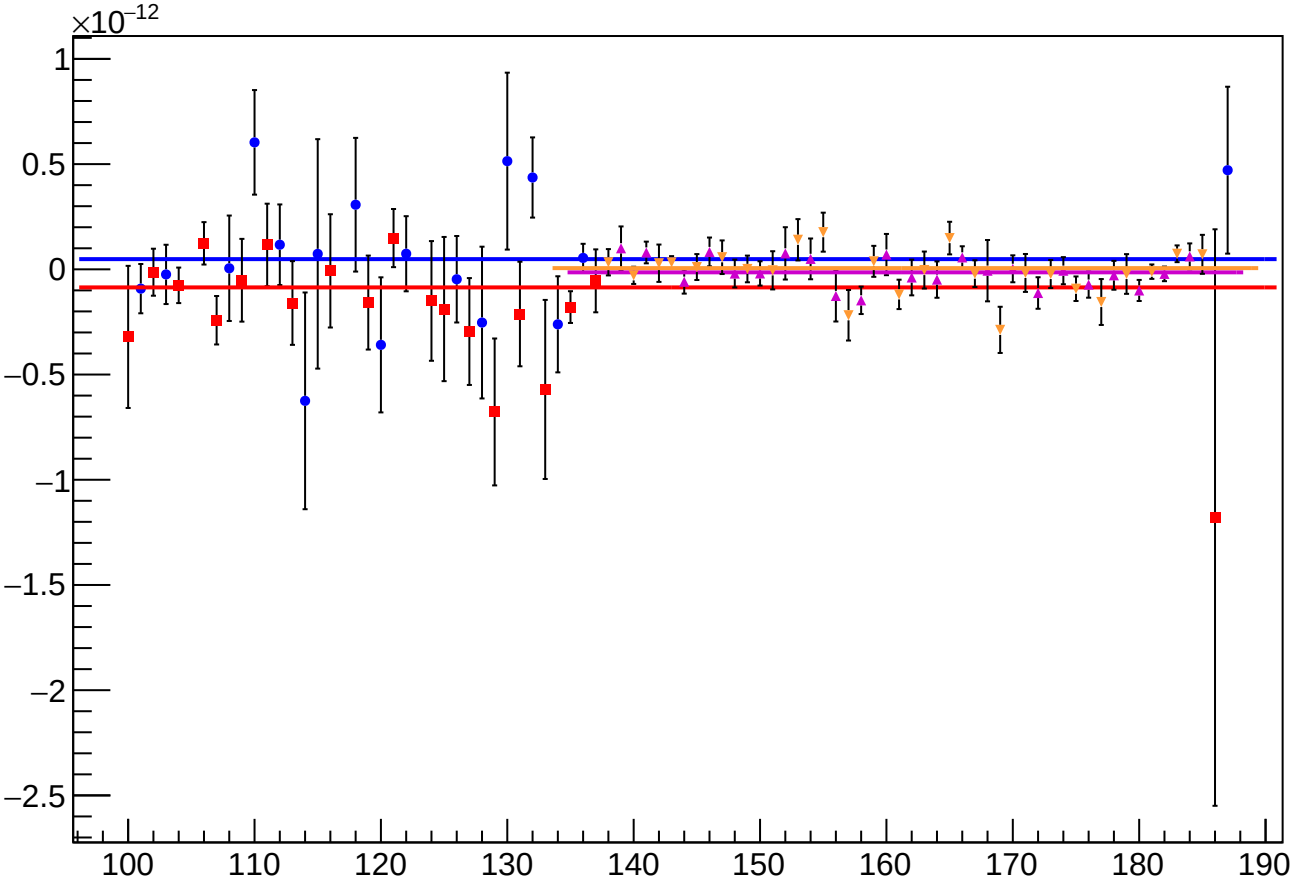
Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.924+/-0.031 χ^2/NDF: 10482932.7/41

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84

- sign 178.595+/-0.029 χ^2/NDF: 11852258.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

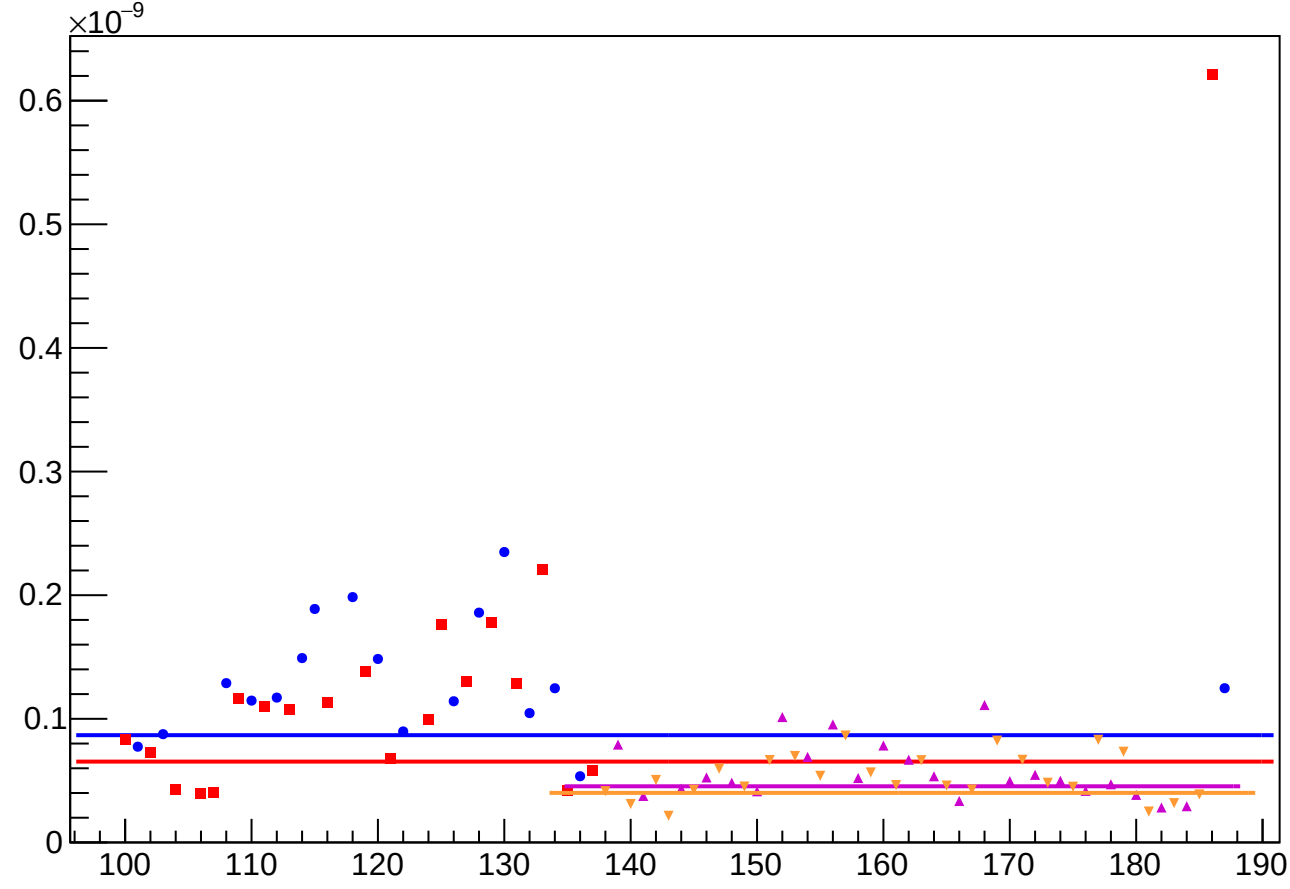
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.2/41

All: -0.000+/-0.000 χ^2/NDF: 104.7/84

- sign -0.000+/-0.000 χ^2/NDF: 45.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 1584239.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

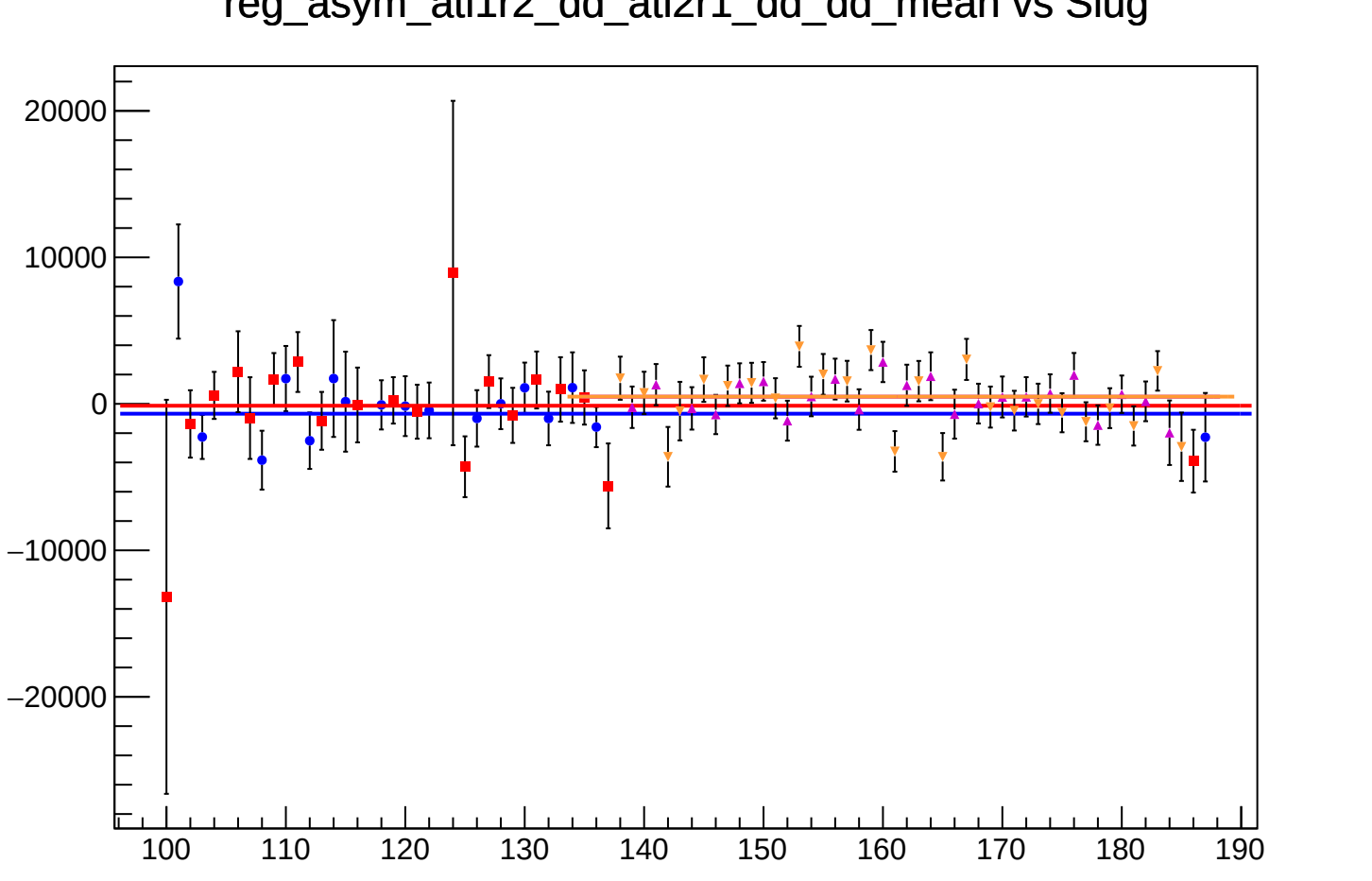
Right Out: 0.000+/-0.000 χ^2/NDF: 2488433.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 7420663.7/41

All: 0.000+/-0.000 χ^2/NDF: 13410706.8/84

- sign 0.000+/-0.000 χ^2/NDF: 5856774.0/42



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -128.473+/-475.595 χ^2/NDF: 19.1/19

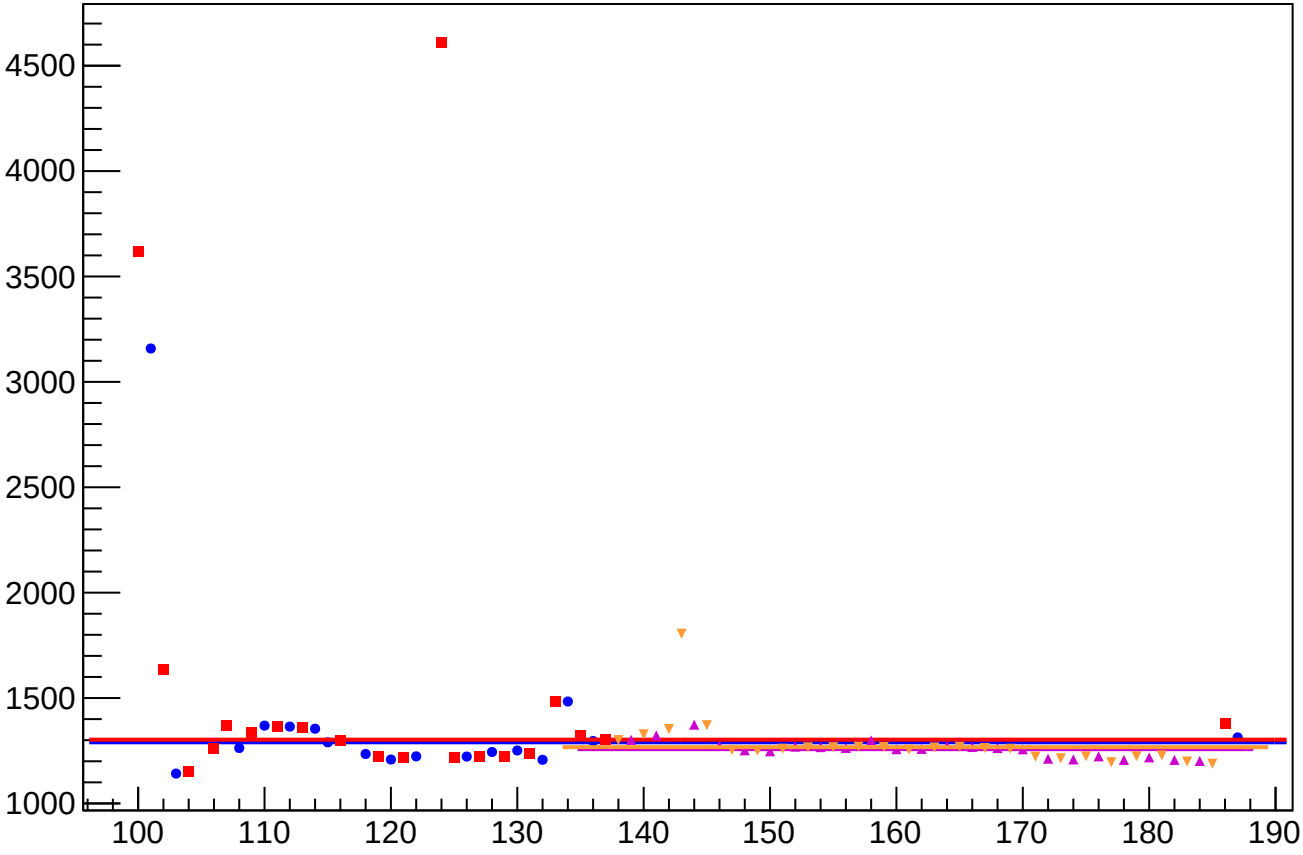
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 185.134+/-247.596 χ^2/NDF: 65.4/41

All: 250.396+/-175.897 χ^2/NDF: 100.3/84

- sign 316.896+/-249.933 χ^2/NDF: 34.8/42

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

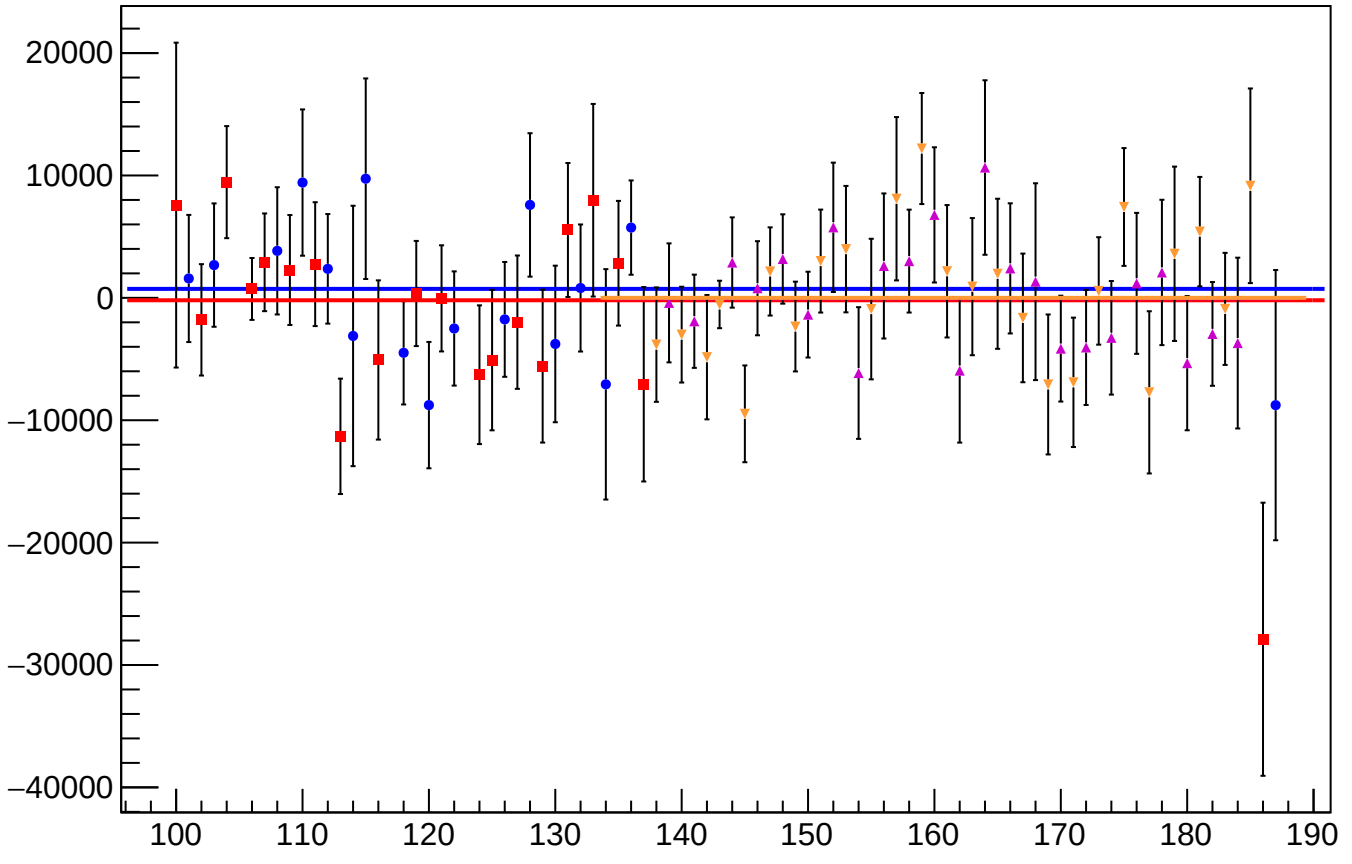
Right Out: 1302.569+/-0.335 χ^2/NDF: 322015.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705720.4/41

All: 1271.555+/-0.124 χ^2/NDF: 1077717.1/84

- sign 1270.029+/-0.177 χ^2/NDF: 371848.7/42



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

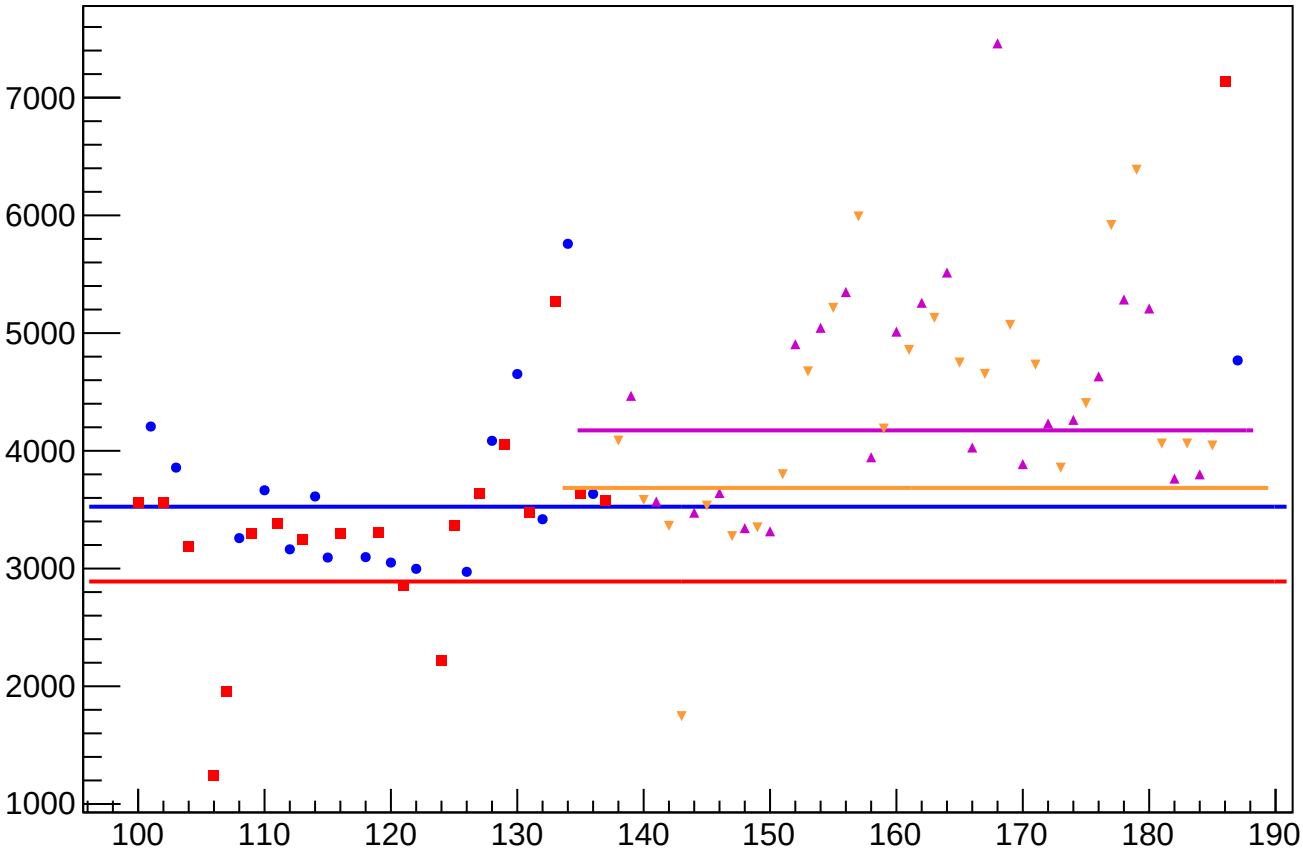
Right Out: -197.309+/-1105.607 χ^2/NDF: 24.6/19

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 228.545+/-735.204 χ^2/NDF: 44.0/41

All: 62.411+/-521.463 χ^2/NDF: 82.8/84

- sign -105.778+/-739.736 χ^2/NDF: 38.7/42



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2889.961+/-0.782 χ^2/NDF: 1792253.1/19

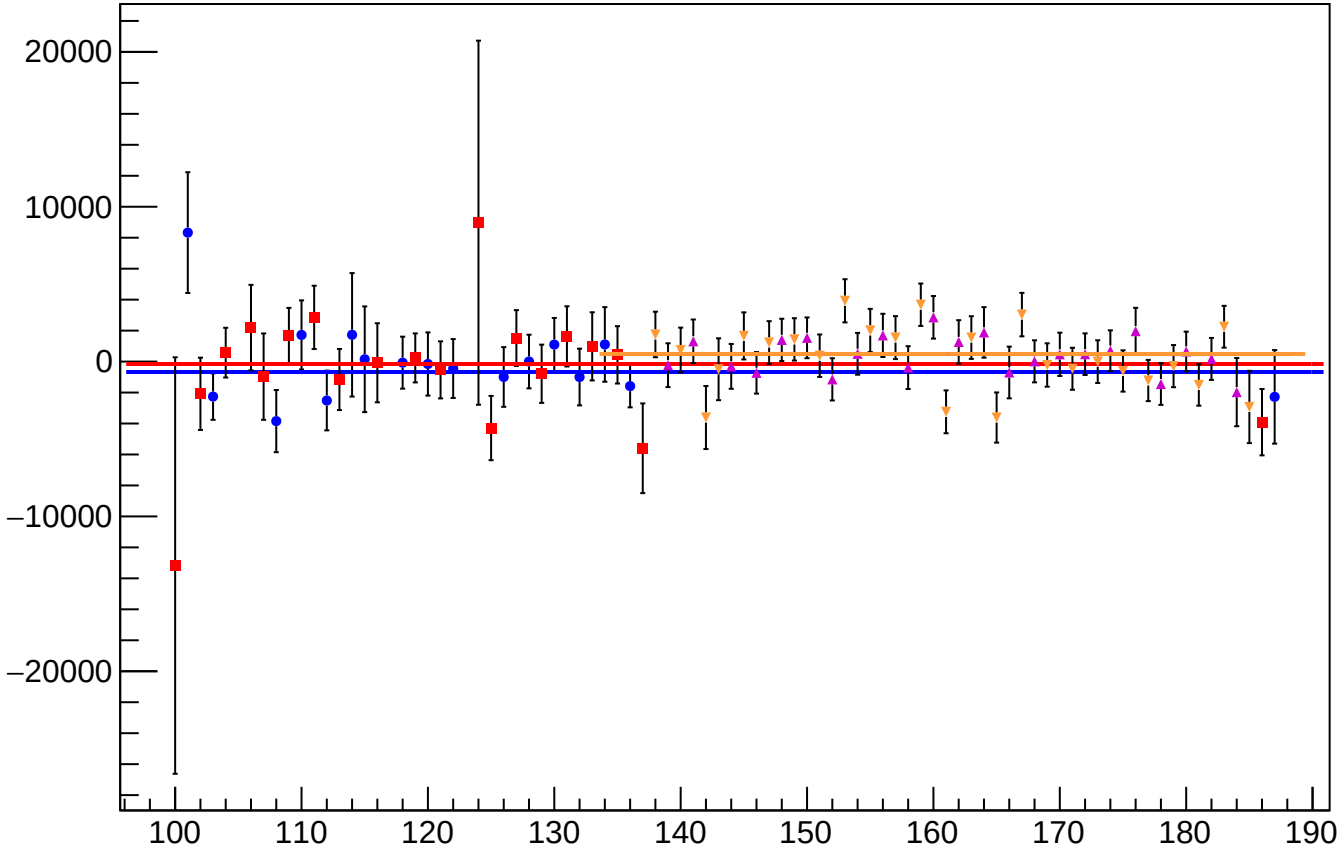
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3634.985+/-0.520 χ^2/NDF: 4093528.4/41

All: 3617.072+/-0.369 χ^2/NDF: 8652116.4/84

- sign 3598.937+/-0.523 χ^2/NDF: 4556198.7/42

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

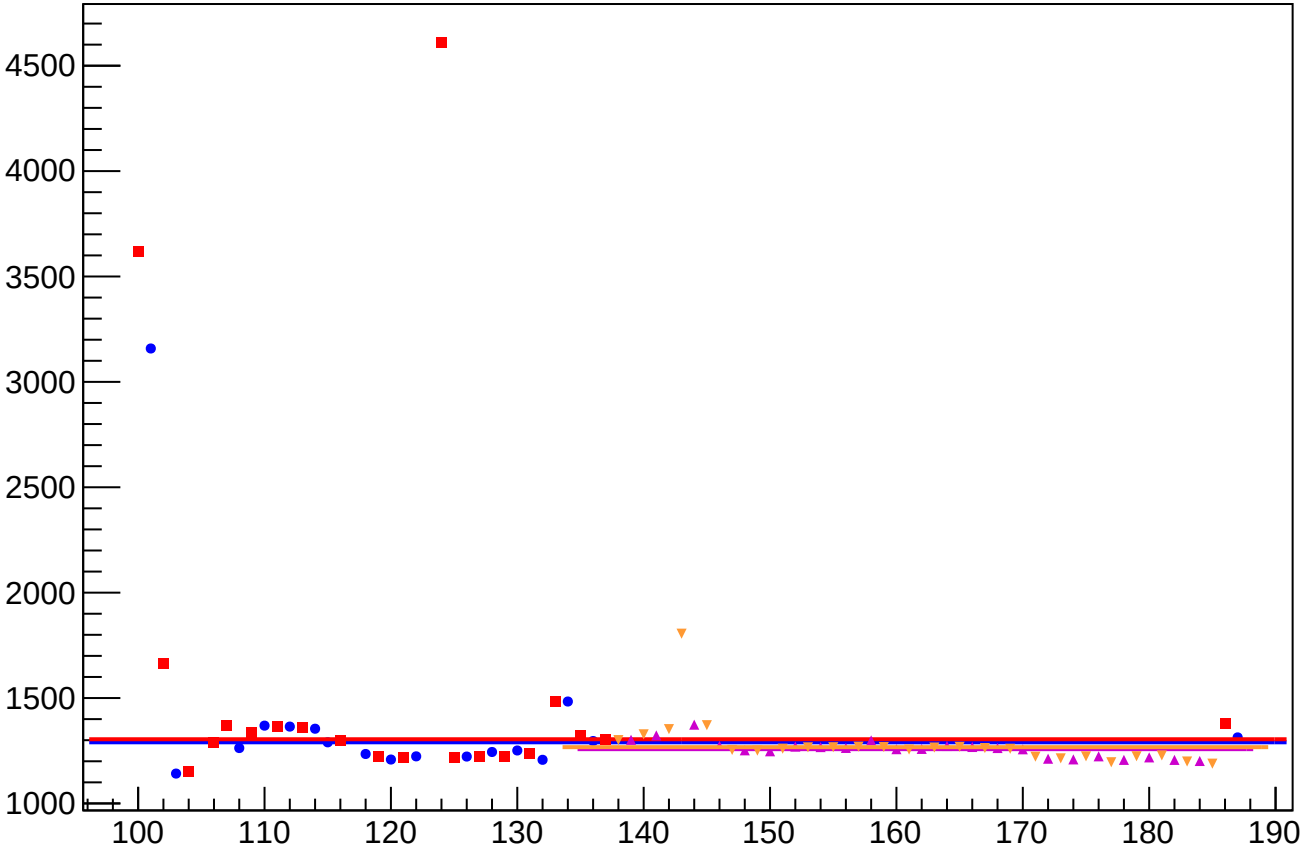
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 246.579+/-175.912 χ^2/NDF: 100.8/84

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

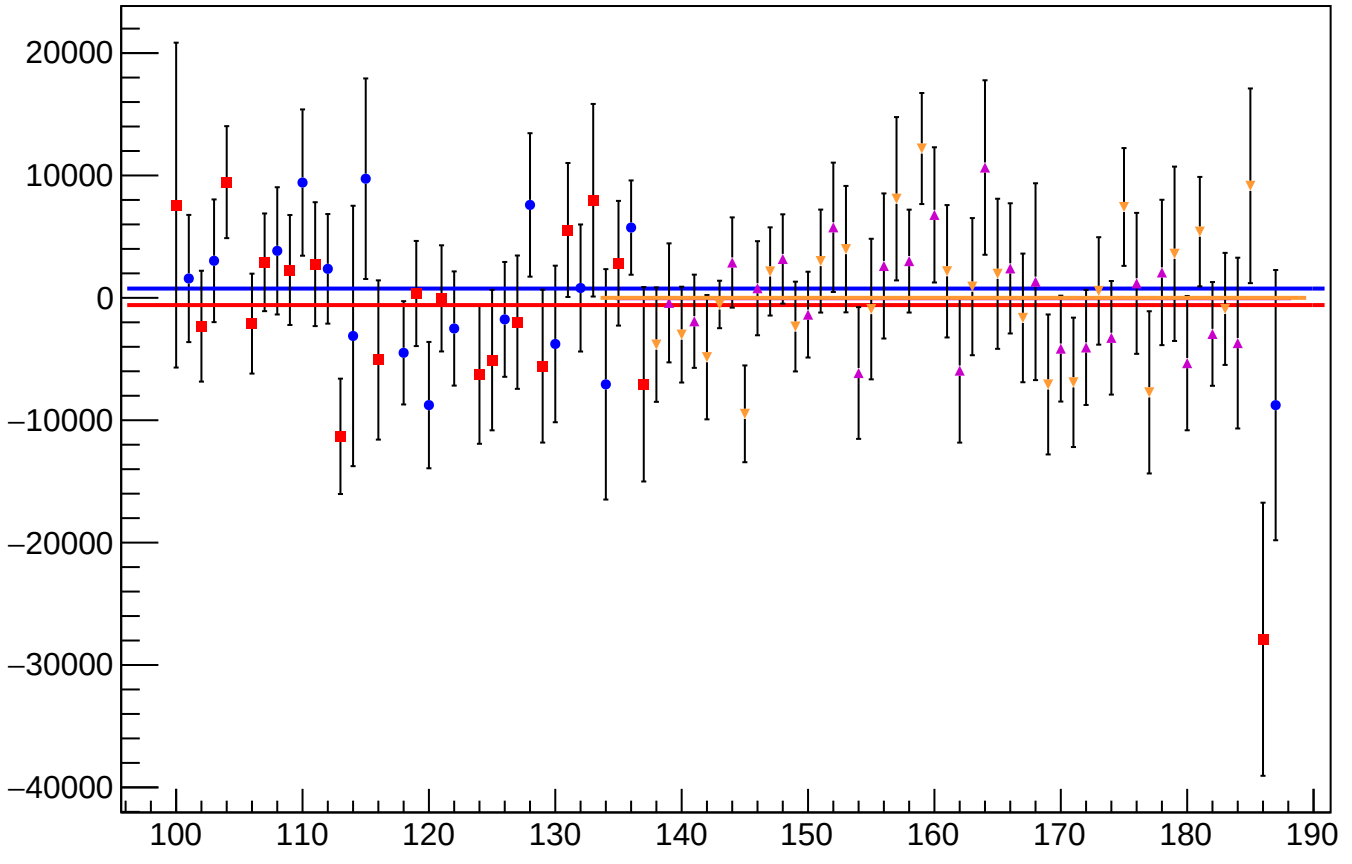
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

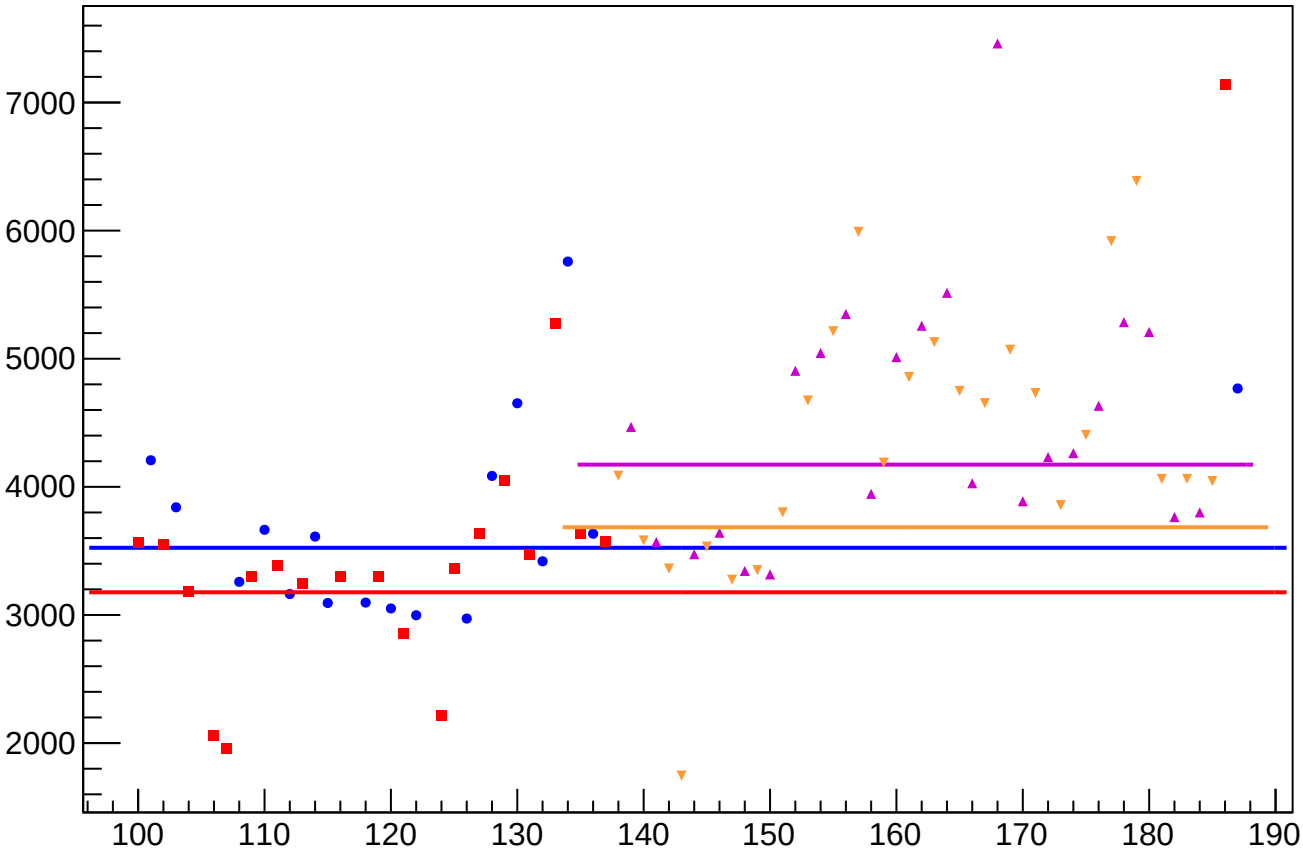
Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -5.831+/-528.355 χ^2/NDF: 83.2/84

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

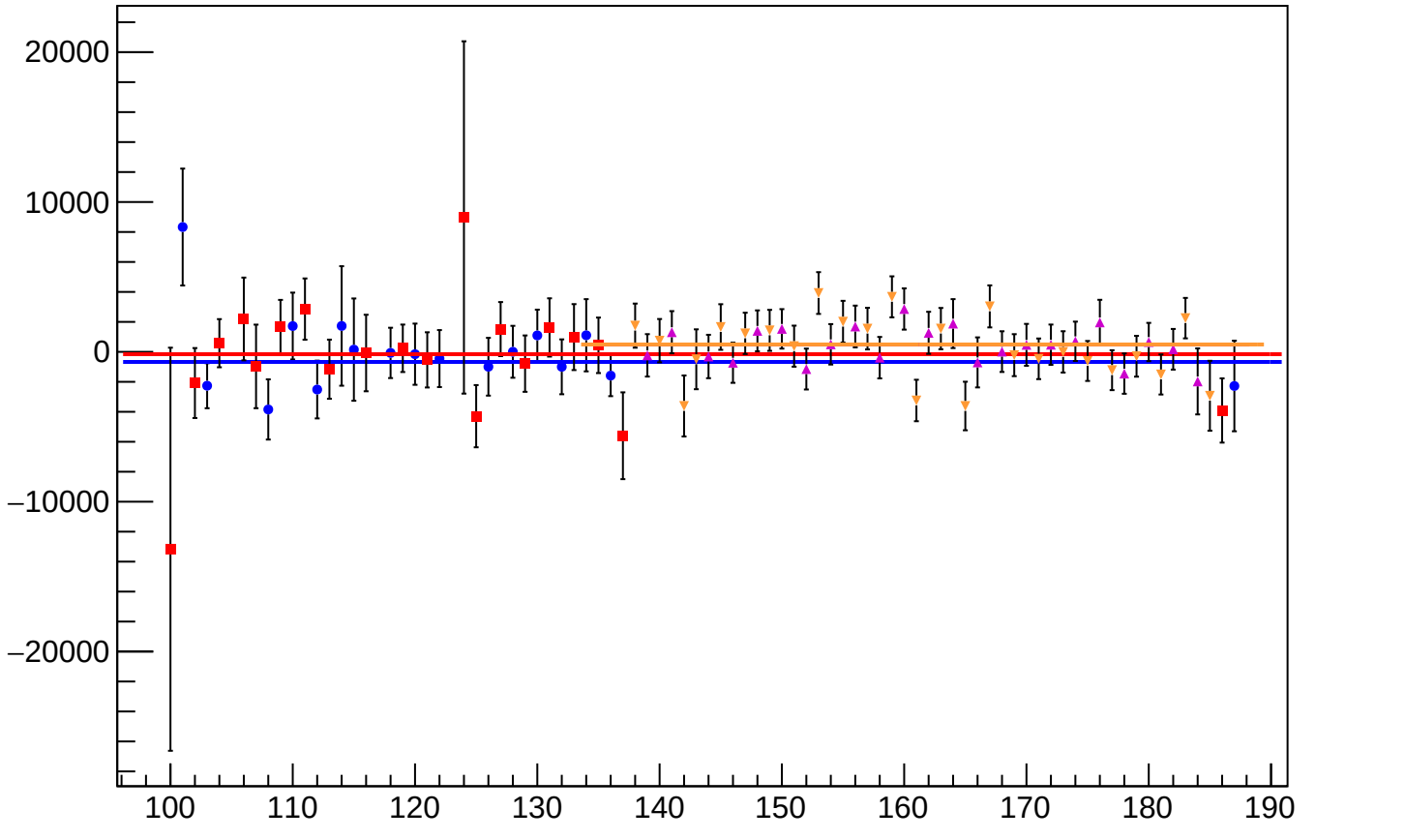
Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3694.249+/-0.374 χ^2/NDF: 7135888.0/84

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

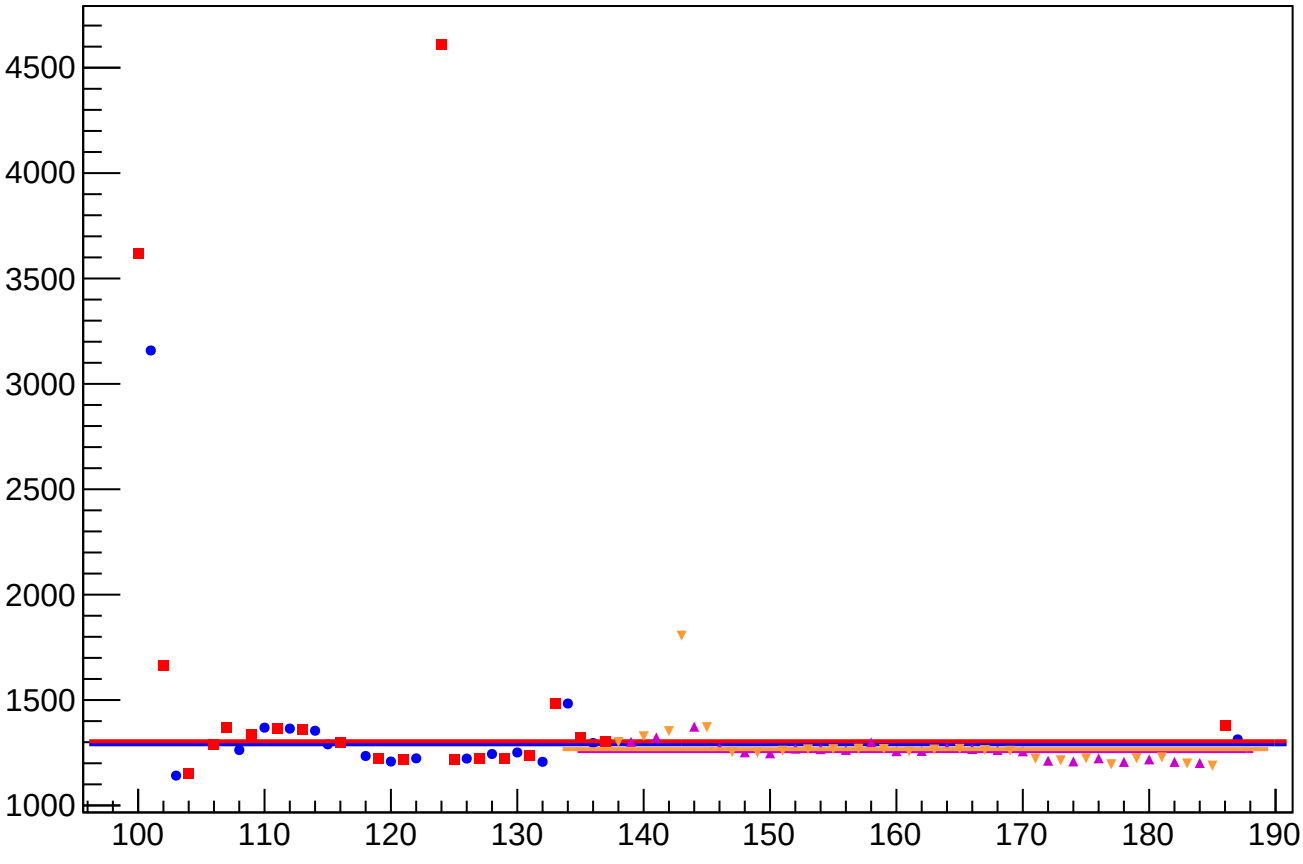
Right Out: -156.296+/-475.895 χ^2/NDF: 19.6/19

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 185.046+/-247.596 χ^2/NDF: 65.4/41

All: 246.579+/-175.912 χ^2/NDF: 100.8/84

- sign 309.301+/-249.977 χ^2/NDF: 35.3/42



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

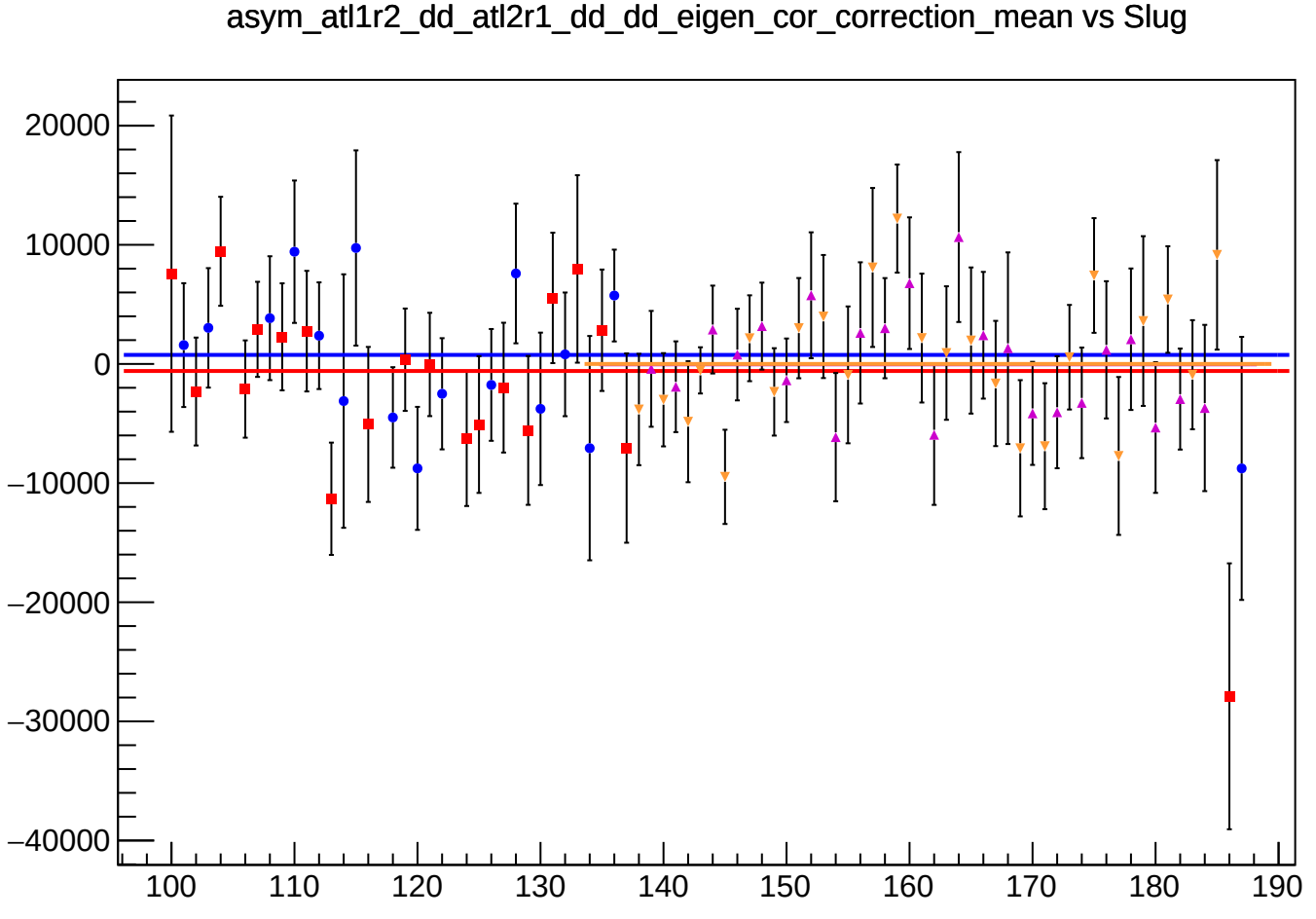
Right Out: 1304.508+/-0.336 χ^2/NDF: 328415.0/19

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.054+/-0.175 χ^2/NDF: 705721.8/41

All: 1271.809+/-0.124 χ^2/NDF: 1085190.5/84

- sign 1270.541+/-0.177 χ^2/NDF: 379366.6/42



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

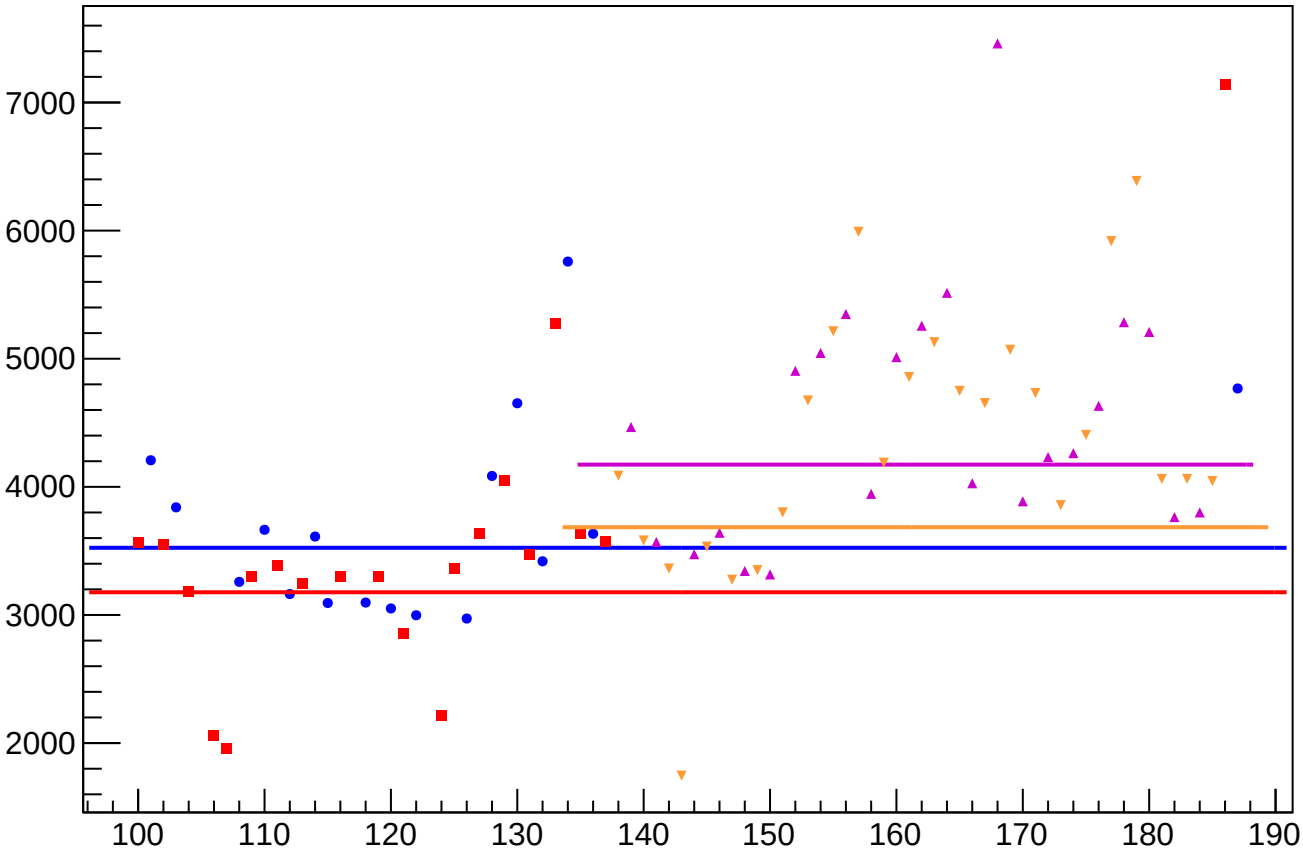
Right Out: -590.963+/-1176.575 χ^2/NDF: 24.7/19

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 236.645+/-735.126 χ^2/NDF: 44.1/41

All: -5.831+/-528.355 χ^2/NDF: 83.2/84

- sign -264.929+/-759.903 χ^2/NDF: 38.8/42



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3177.131+/-0.832 χ^2/NDF: 904574.2/19

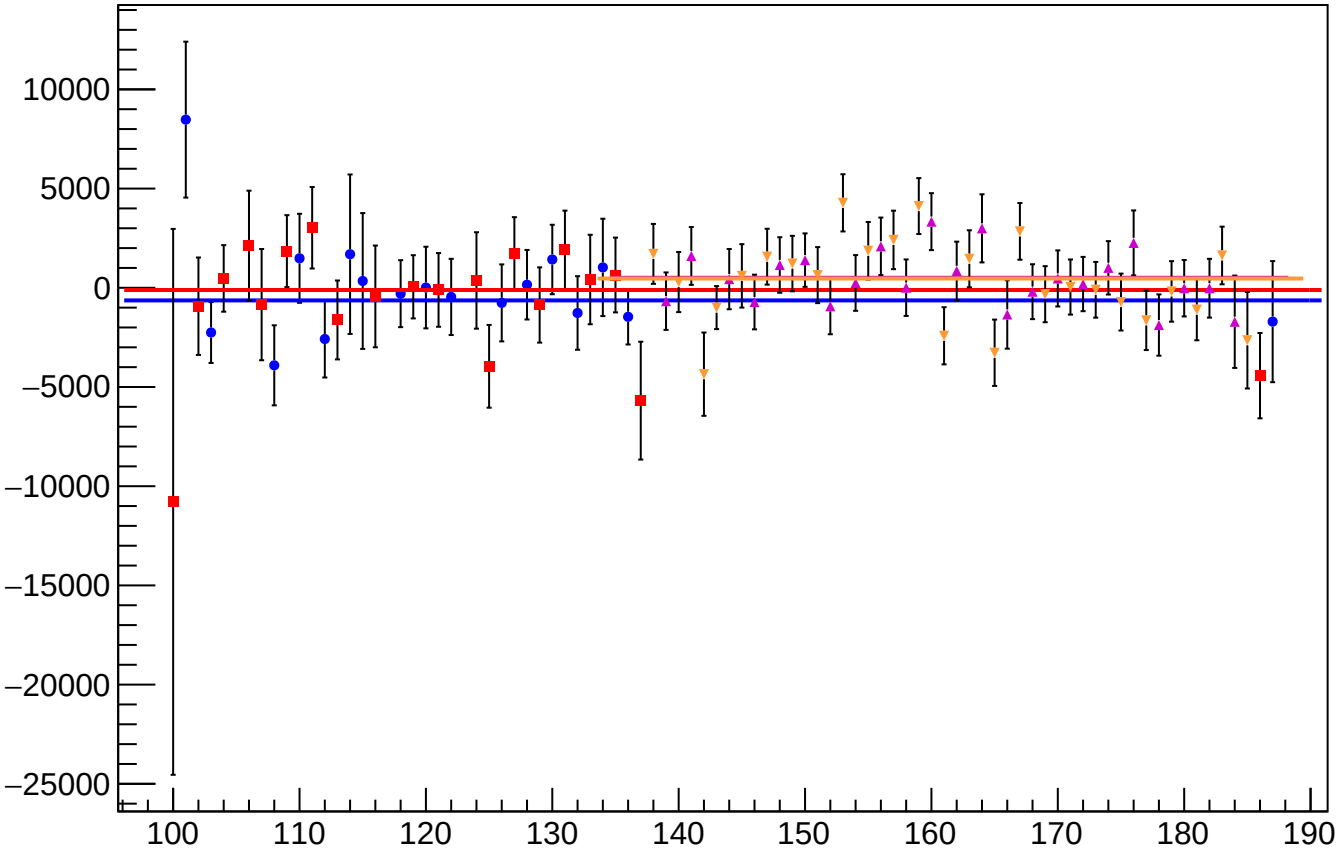
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3634.672+/-0.520 χ^2/NDF: 4093105.6/41

All: 3694.249+/-0.374 χ^2/NDF: 7135888.0/84

- sign 3757.908+/-0.537 χ^2/NDF: 3015610.7/42

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -111.422+/-473.633 χ^2/NDF: 19.1/19

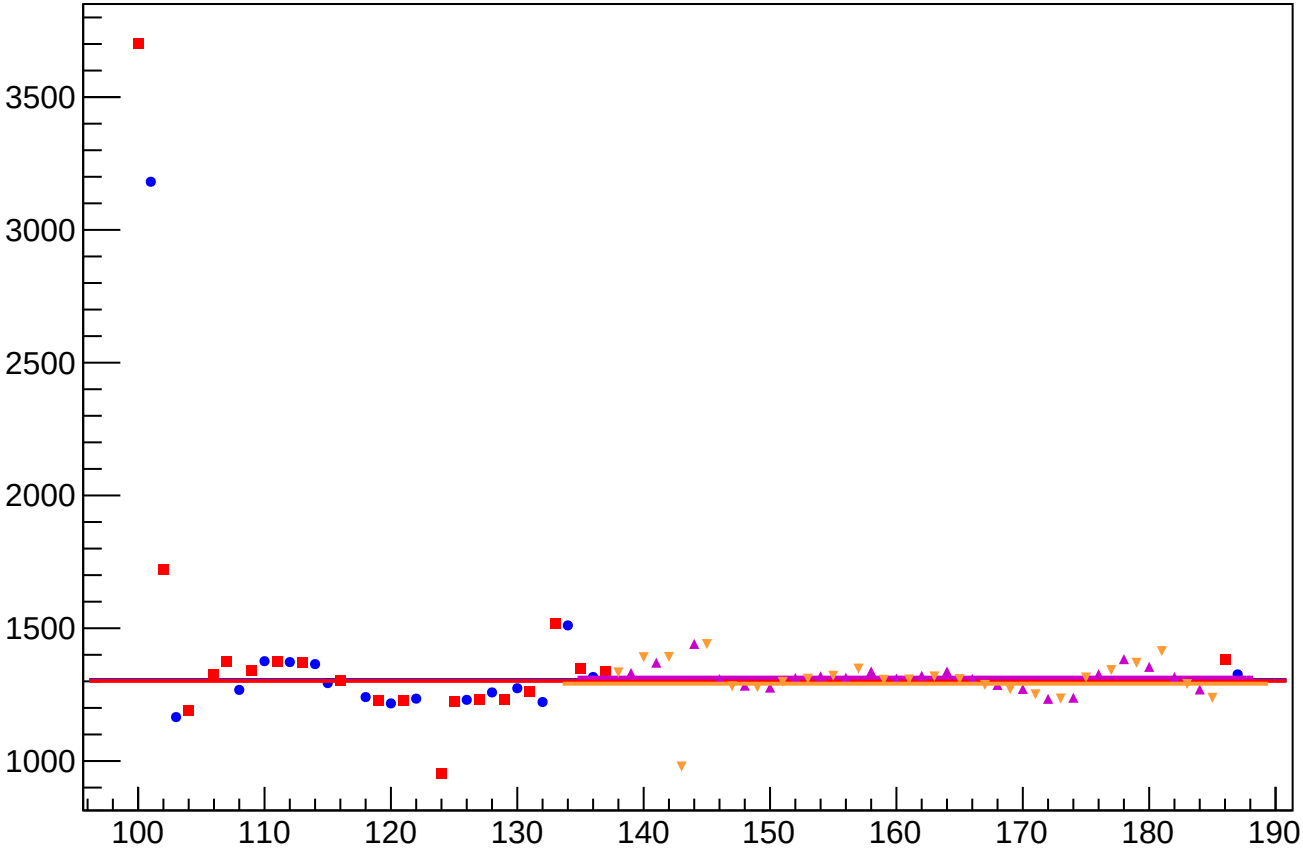
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 173.449+/-251.967 χ^2/NDF: 62.1/41

All: 245.860+/-180.143 χ^2/NDF: 100.0/84

- sign 321.574+/-257.649 χ^2/NDF: 37.7/42

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

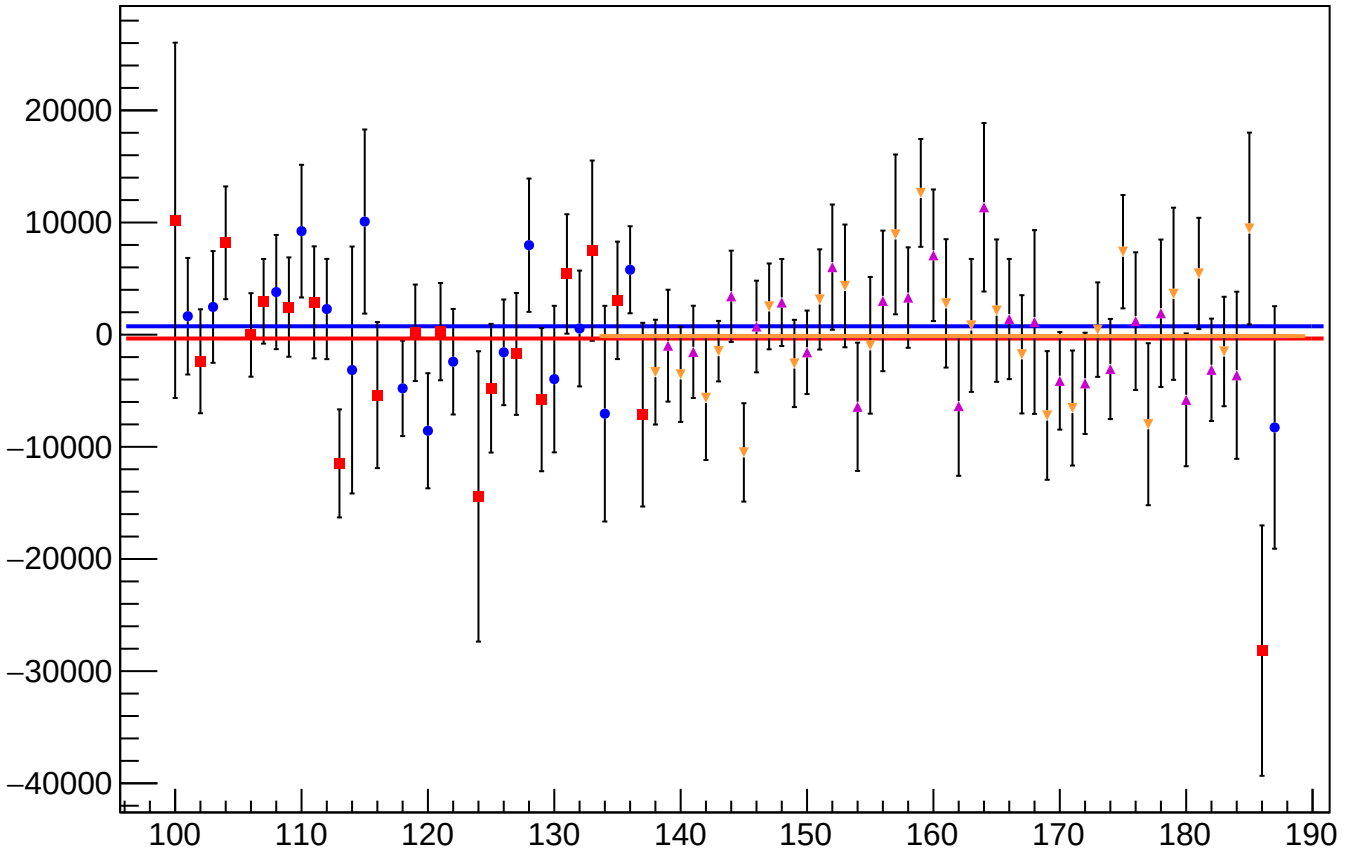
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.2/19

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1294.801+/-0.178 χ^2/NDF: 742543.2/41

All: 1302.445+/-0.127 χ^2/NDF: 1006392.1/84

- sign 1310.435+/-0.182 χ^2/NDF: 260084.0/42



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

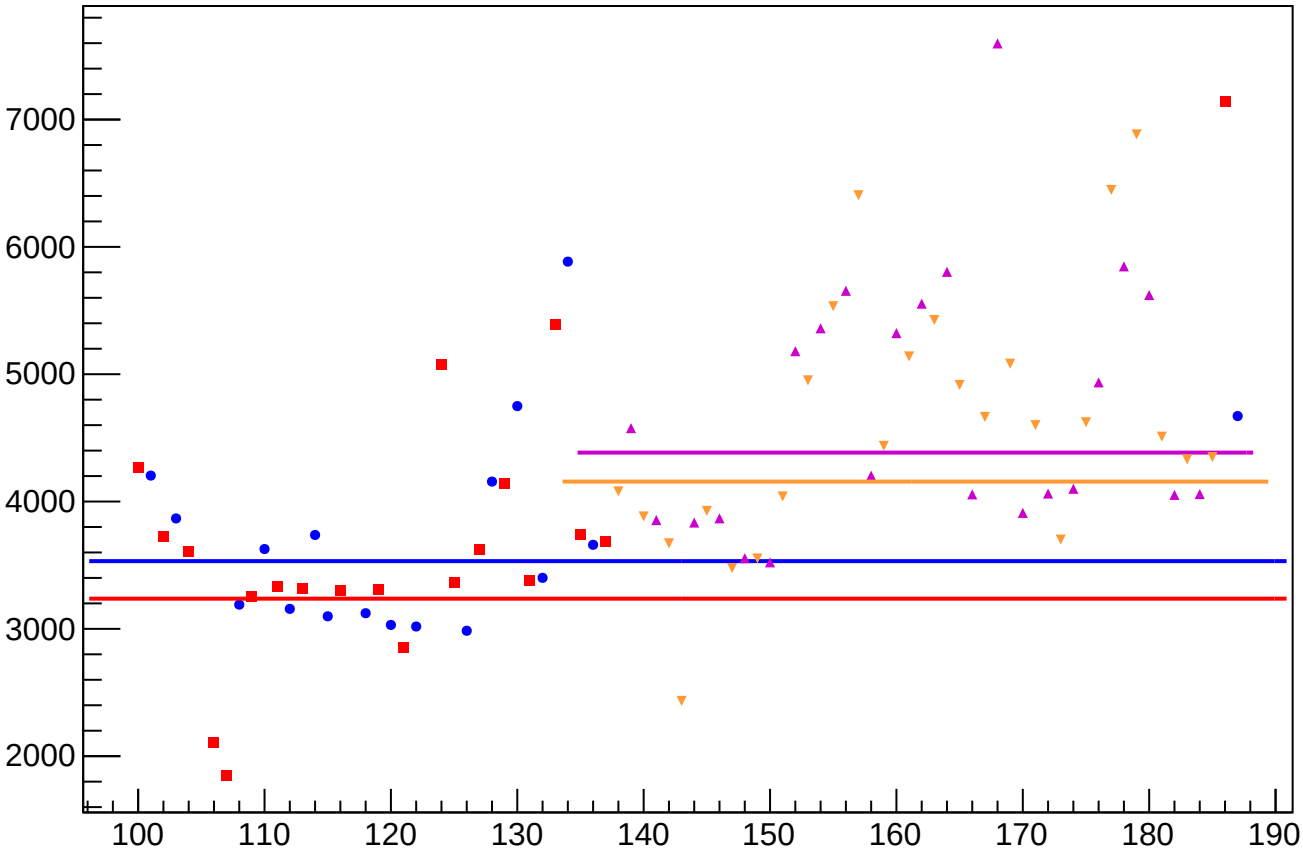
Right Out: -342.260+/-1193.140 χ^2/NDF: 23.1/19

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 183.400+/-784.890 χ^2/NDF: 43.7/41

All: -27.339+/-555.510 χ^2/NDF: 80.7/84

- sign -238.853+/-786.332 χ^2/NDF: 36.9/42



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

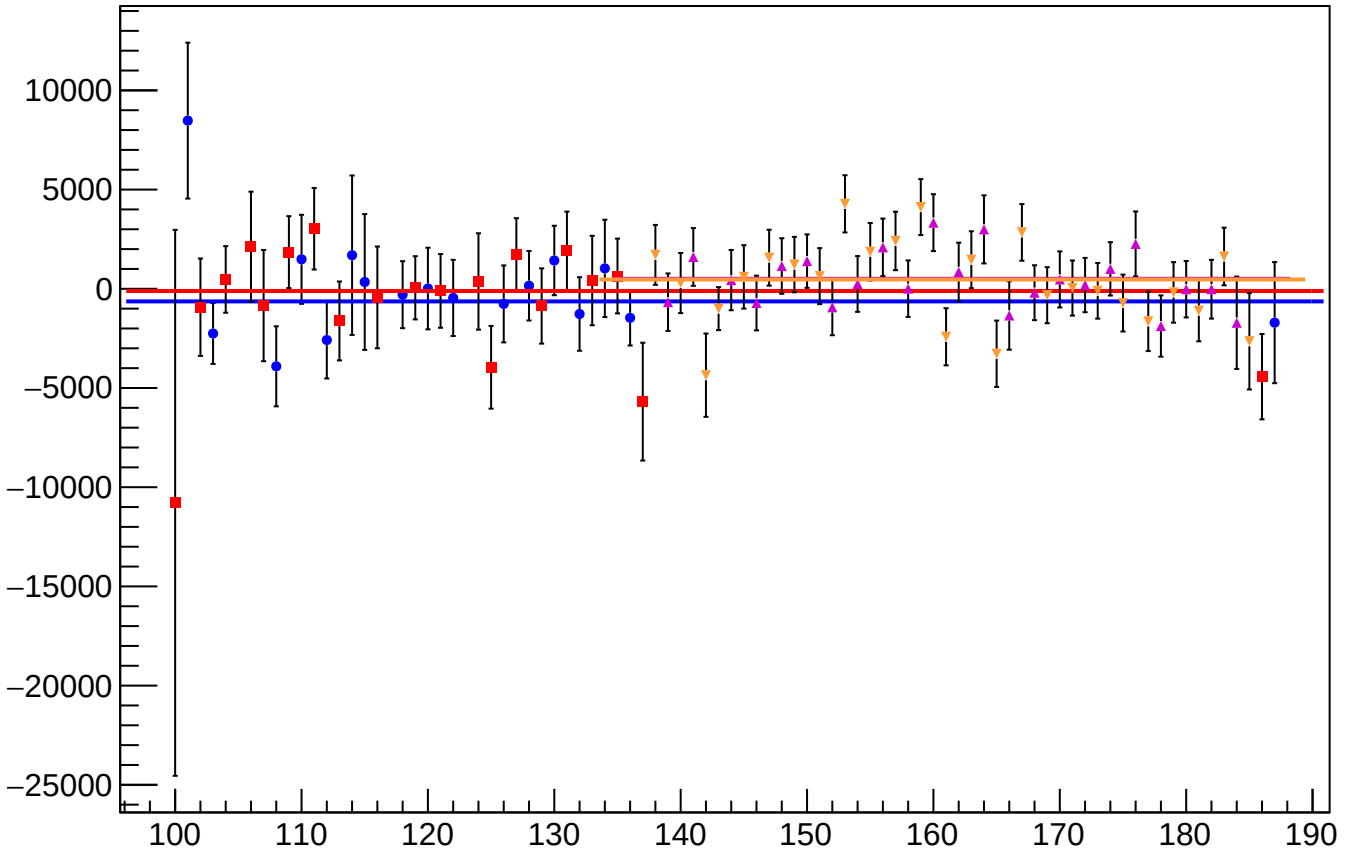
Right Out: 3237.299+/-0.844 χ^2/NDF: 1019707.5/19

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768417.6/41

All: 3910.550+/-0.393 χ^2/NDF: 6093006.5/84

- sign 3886.125+/-0.556 χ^2/NDF: 3320736.4/42



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

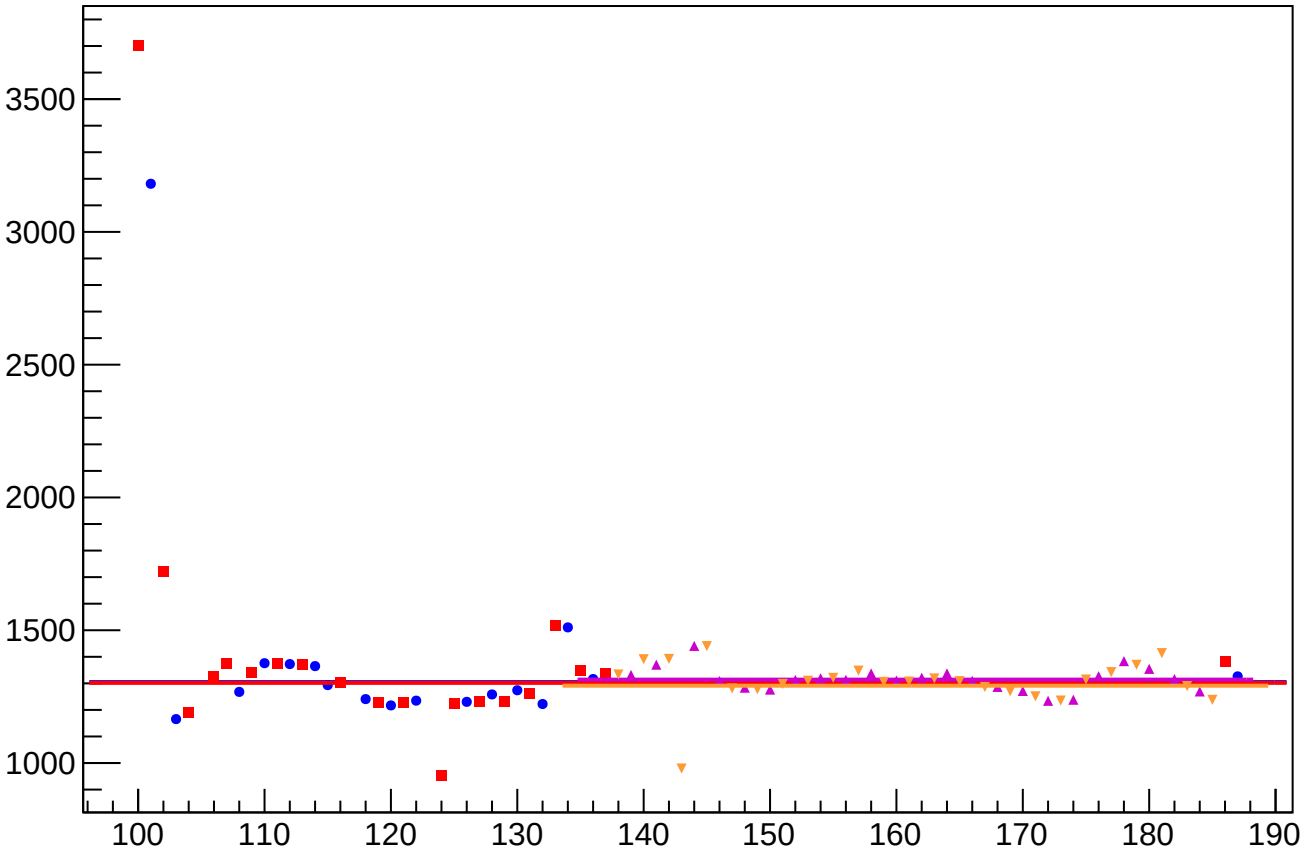
Right Out: -111.413+/-473.633 χ^2/NDF: 19.1/19

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 173.450+/-251.967 χ^2/NDF: 62.1/41

All: 245.862+/-180.143 χ^2/NDF: 100.0/84

- sign 321.577+/-257.649 χ^2/NDF: 37.7/42



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

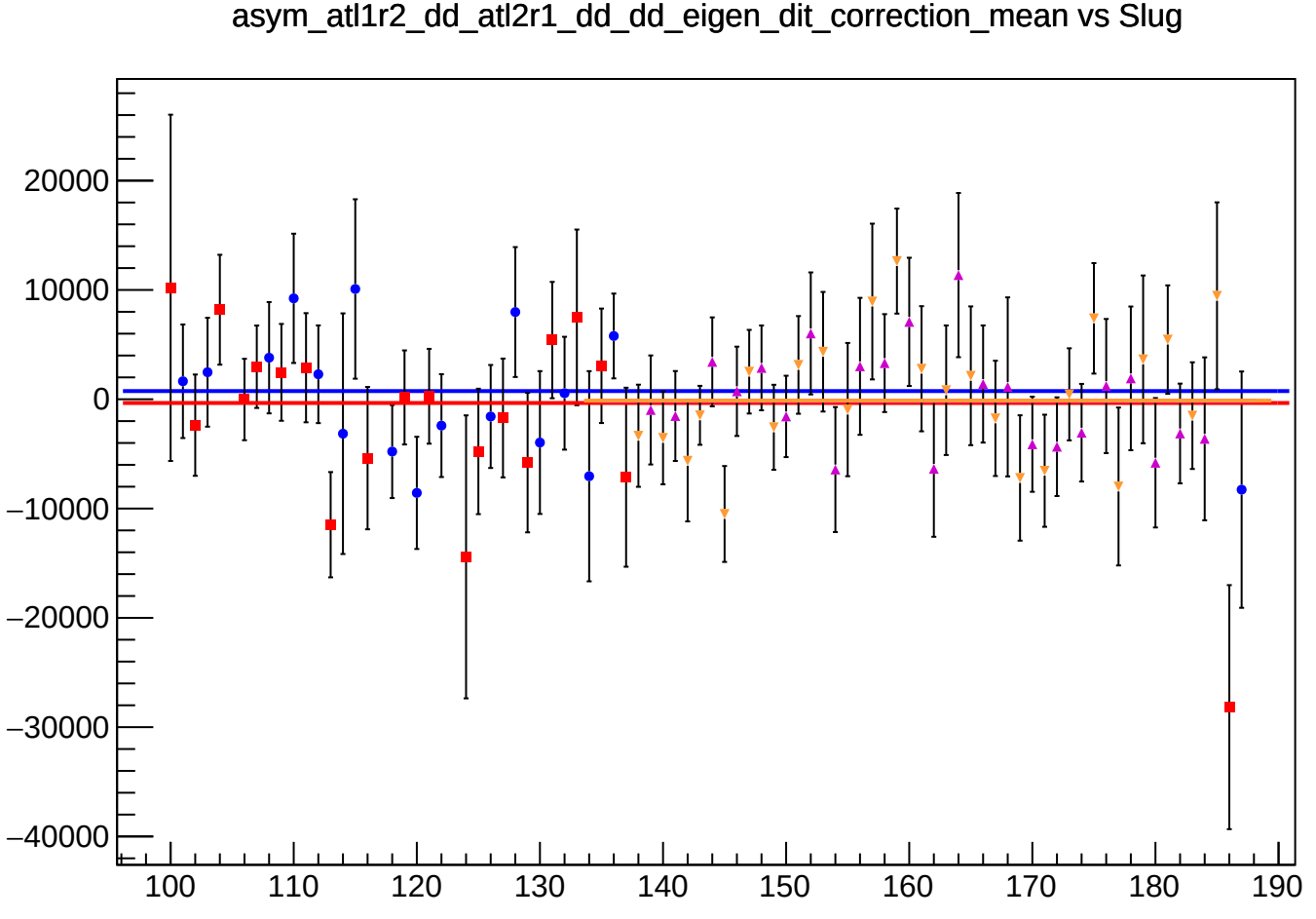
Right Out: 1301.951+/-0.335 χ^2/NDF: 216126.3/19

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1294.802+/-0.178 χ^2/NDF: 742545.6/41

All: 1302.446+/-0.127 χ^2/NDF: 1006396.9/84

- sign 1310.436+/-0.182 χ^2/NDF: 260086.4/42



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

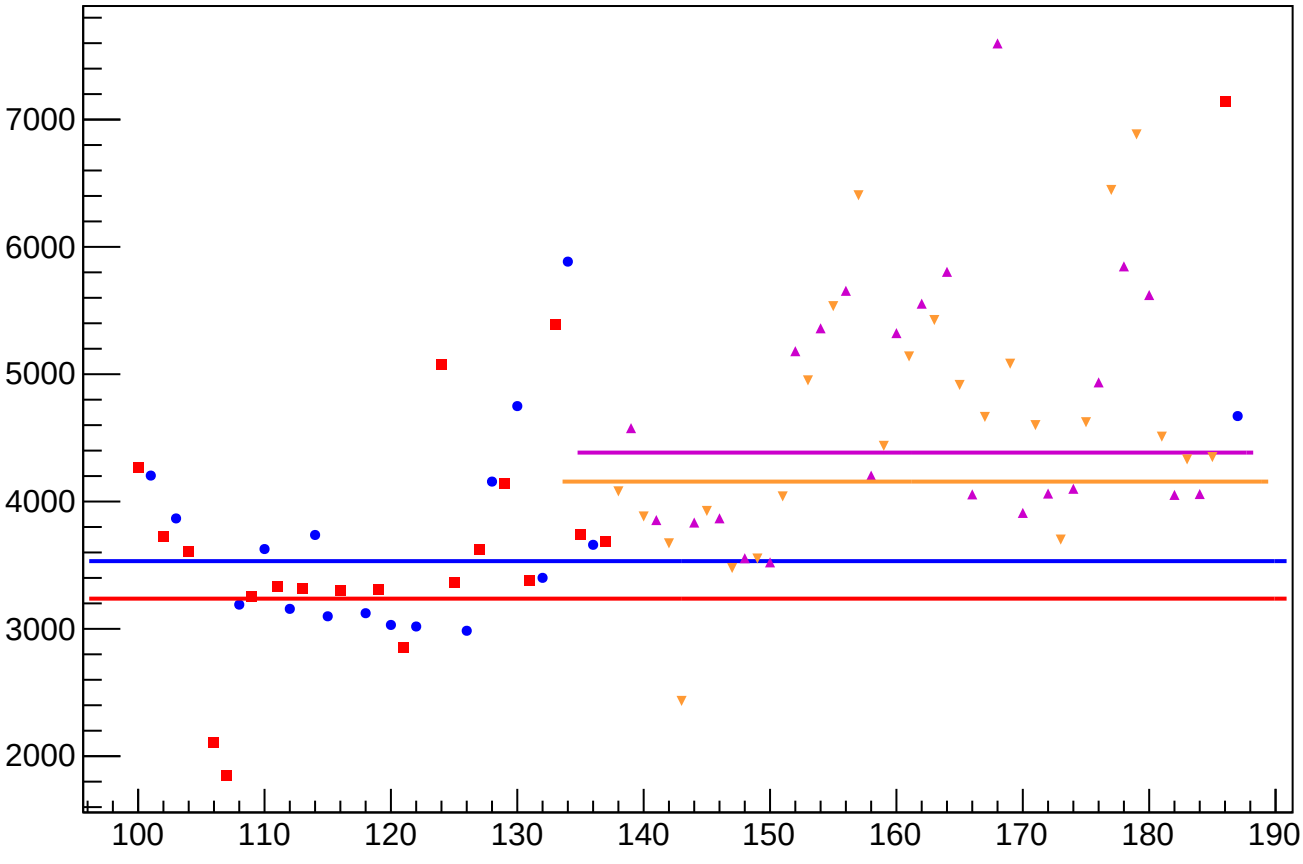
Right Out: -342.255+/-1193.137 χ^2/NDF: 23.1/19

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

\+ sign 183.399+/-784.890 χ^2/NDF: 43.7/41

All: -27.339+/-555.510 χ^2/NDF: 80.7/84

\- sign -238.852+/-786.332 χ^2/NDF: 36.9/42



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3237.291+/-0.844 χ^2/NDF: 1019710.1/19

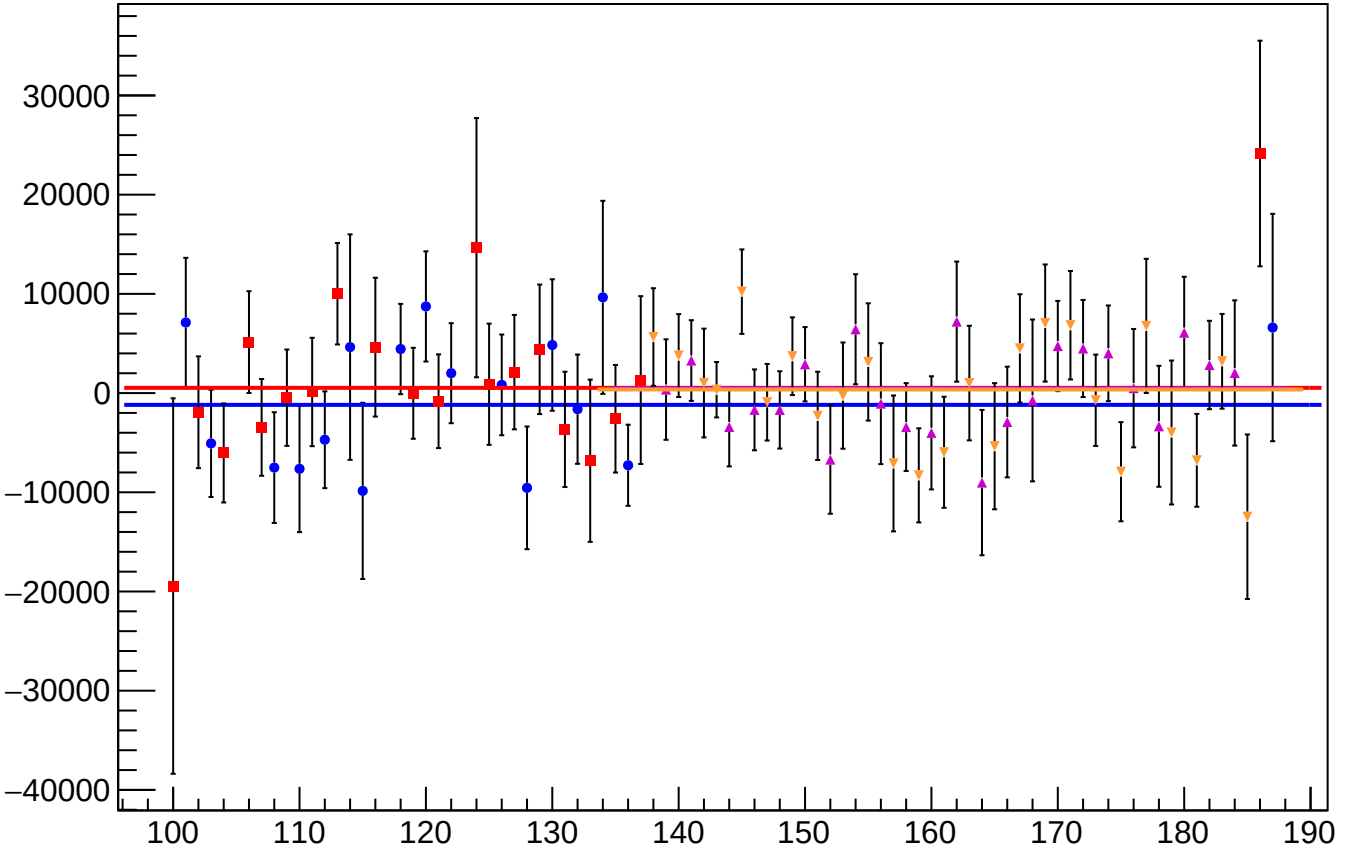
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 3934.886+/-0.555 χ^2/NDF: 2768440.2/41

All: 3910.549+/-0.393 χ^2/NDF: 6093064.1/84

- sign 3886.123+/-0.556 χ^2/NDF: 3320771.2/42

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 527.725+/-1326.934 χ^2/NDF: 16.0/19

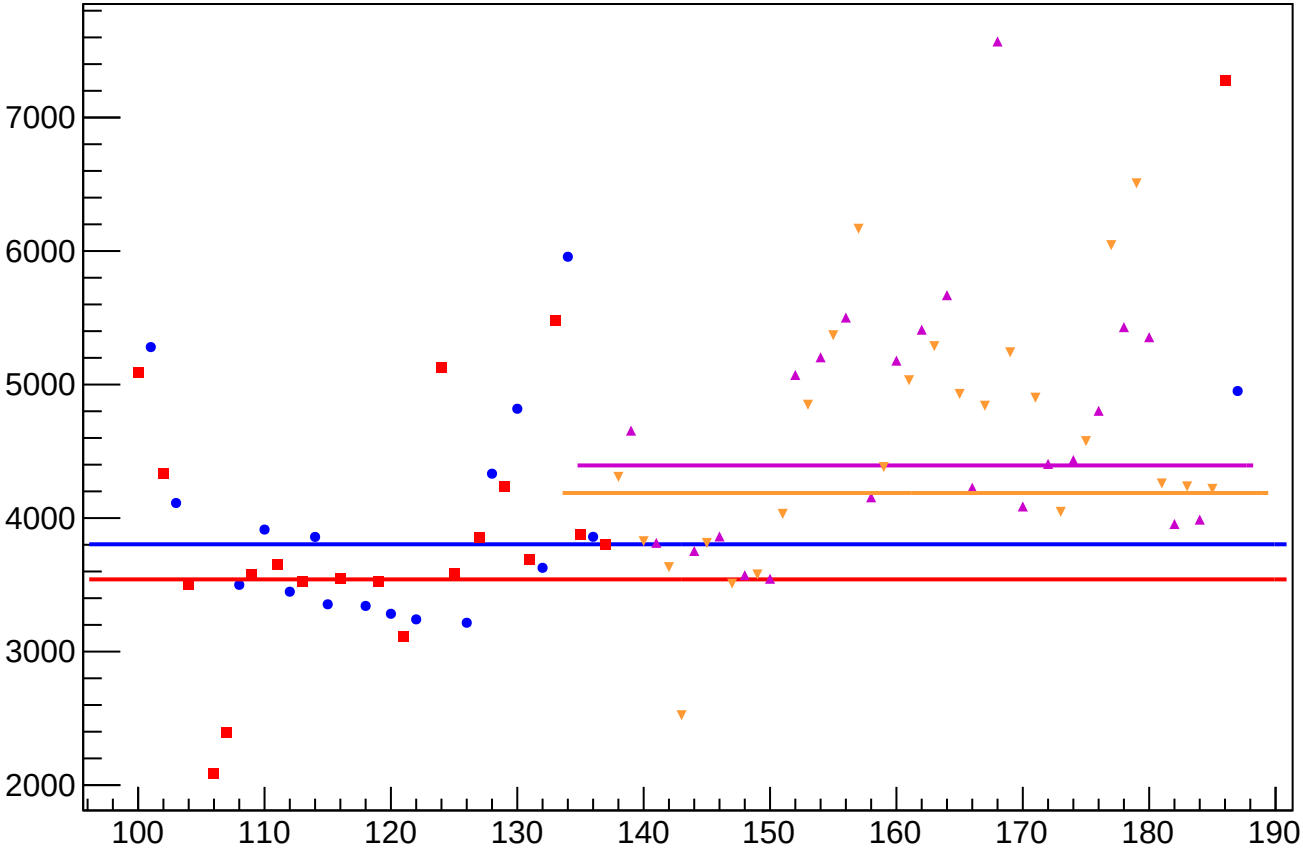
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign -137.249+/-806.594 χ^2/NDF: 46.5/41

All: 180.260+/-575.317 χ^2/NDF: 76.7/84

\- sign 509.080+/-820.836 χ^2/NDF: 29.9/42

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

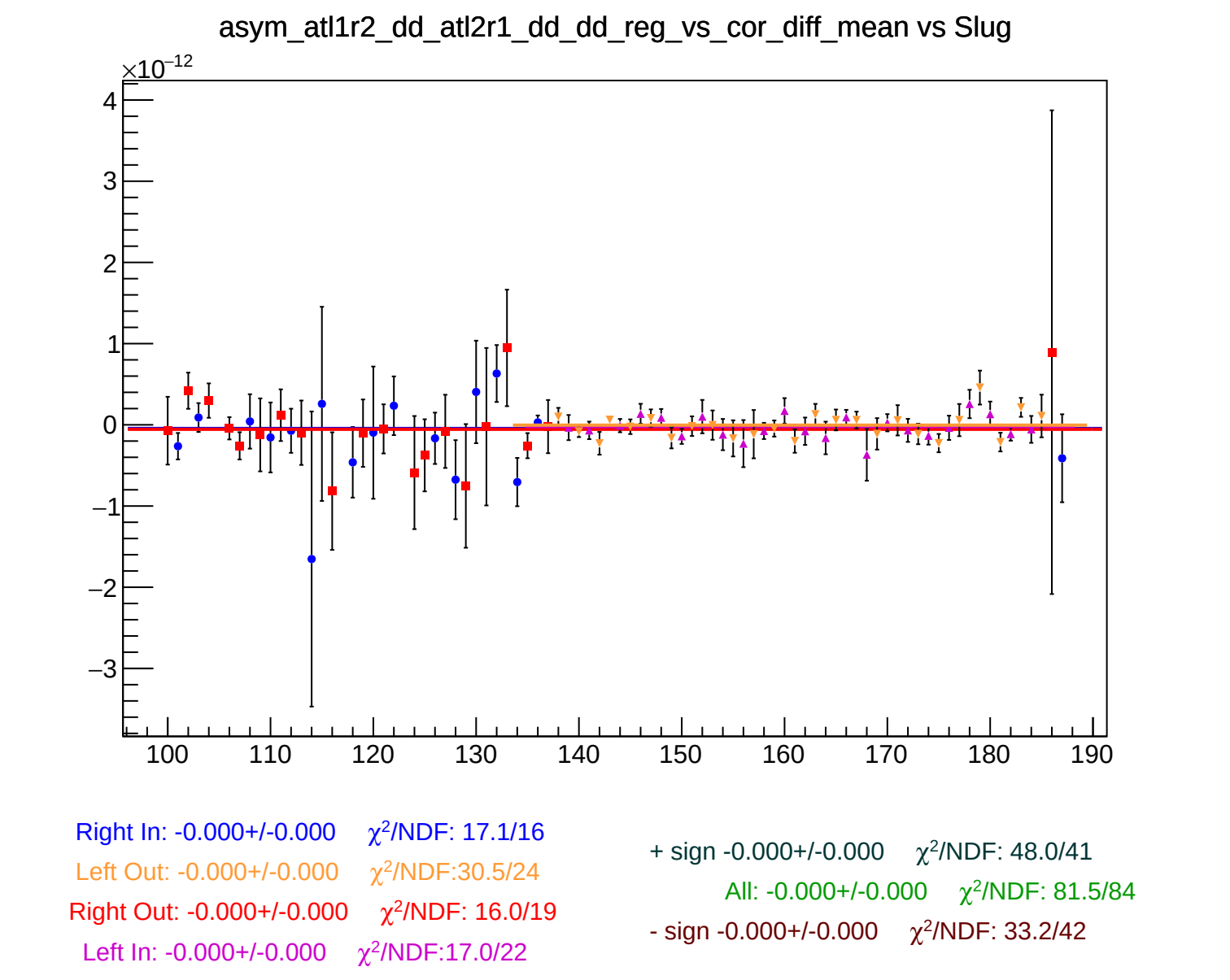
Right Out: 3540.810+/-0.926 χ^2/NDF: 805651.3/19

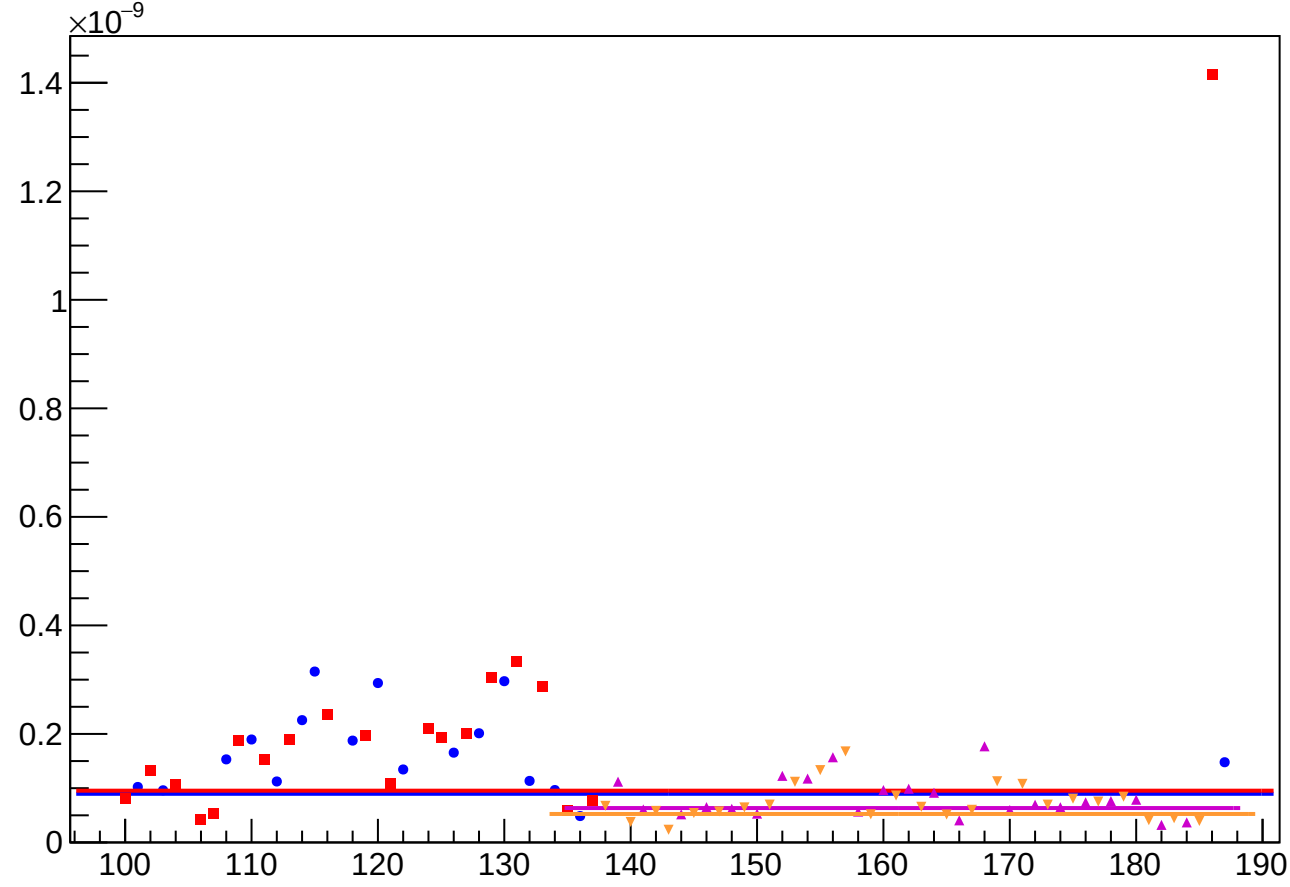
Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

\+ sign 4063.999+/-0.570 χ^2/NDF: 2298828.4/41

All: 4063.130+/-0.406 χ^2/NDF: 4712277.4/84

\- sign 4062.240+/-0.577 χ^2/NDF: 2413444.3/42


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/16
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/19
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
+ sign -0.000+/-0.000 χ²/NDF: 48.0/41
All: -0.000+/-0.000 χ²/NDF: 81.5/84
- sign -0.000+/-0.000 χ²/NDF: 33.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

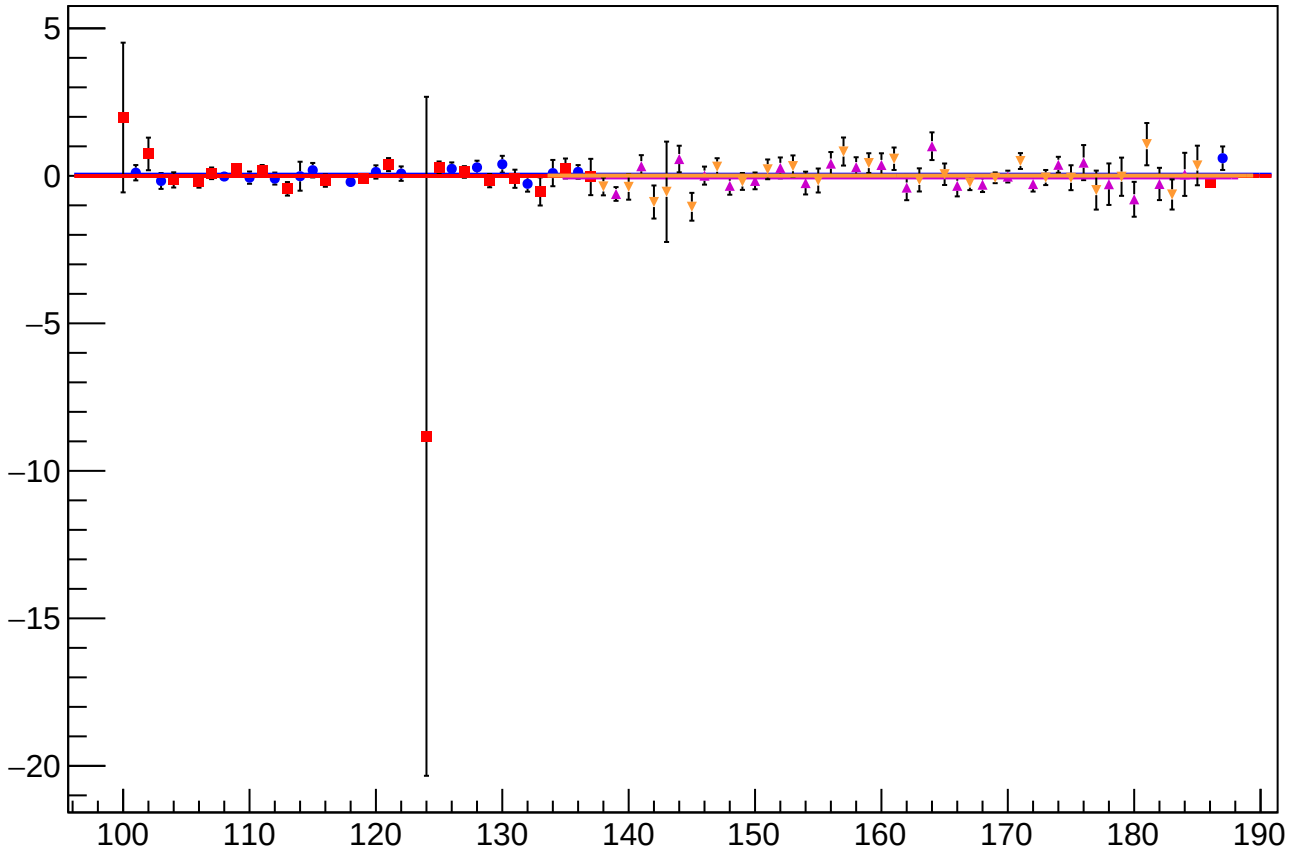
Right Out: 0.000+/-0.000 χ^2/NDF: 2127050.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4815395.8/41

All: 0.000+/-0.000 χ^2/NDF: 9390157.8/84

- sign 0.000+/-0.000 χ^2/NDF: 4344977.8/42



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

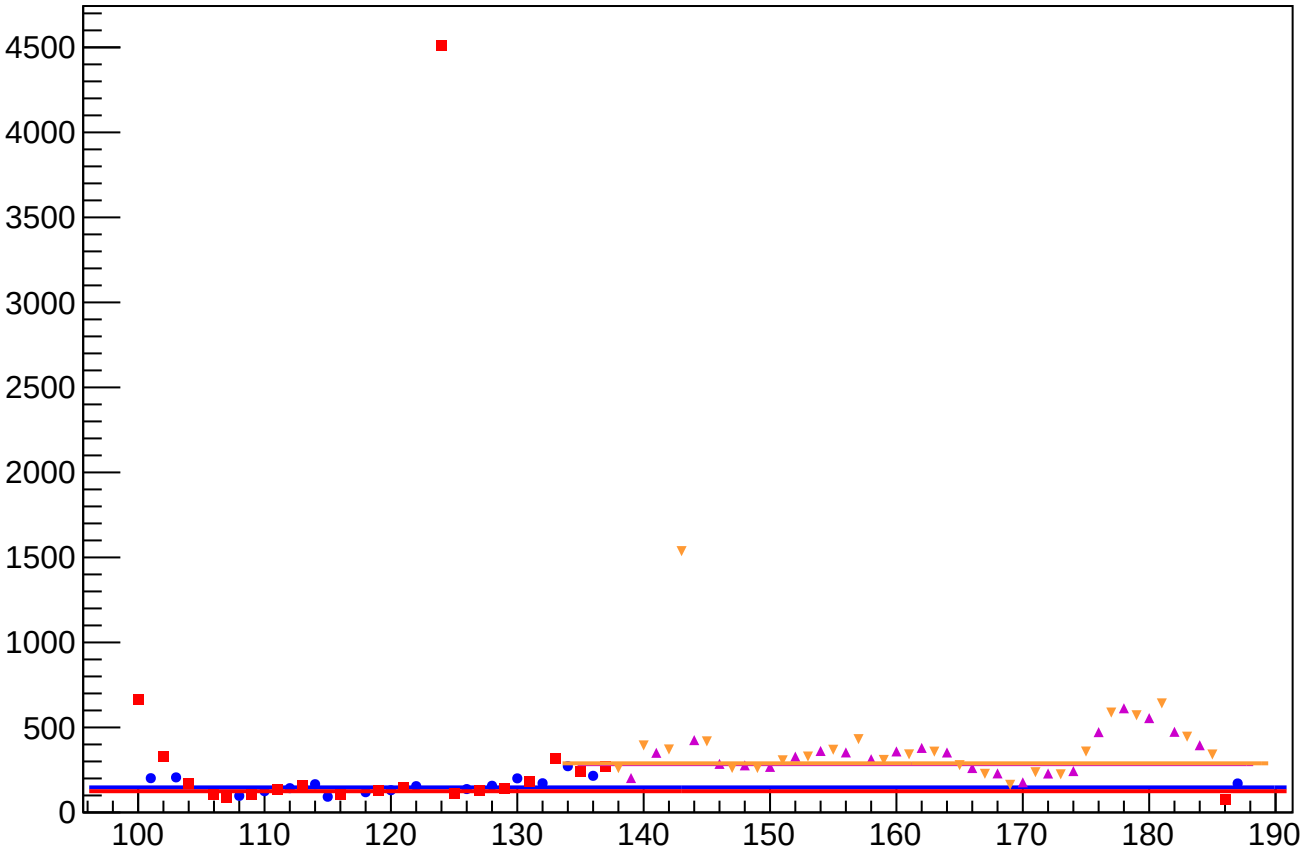
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

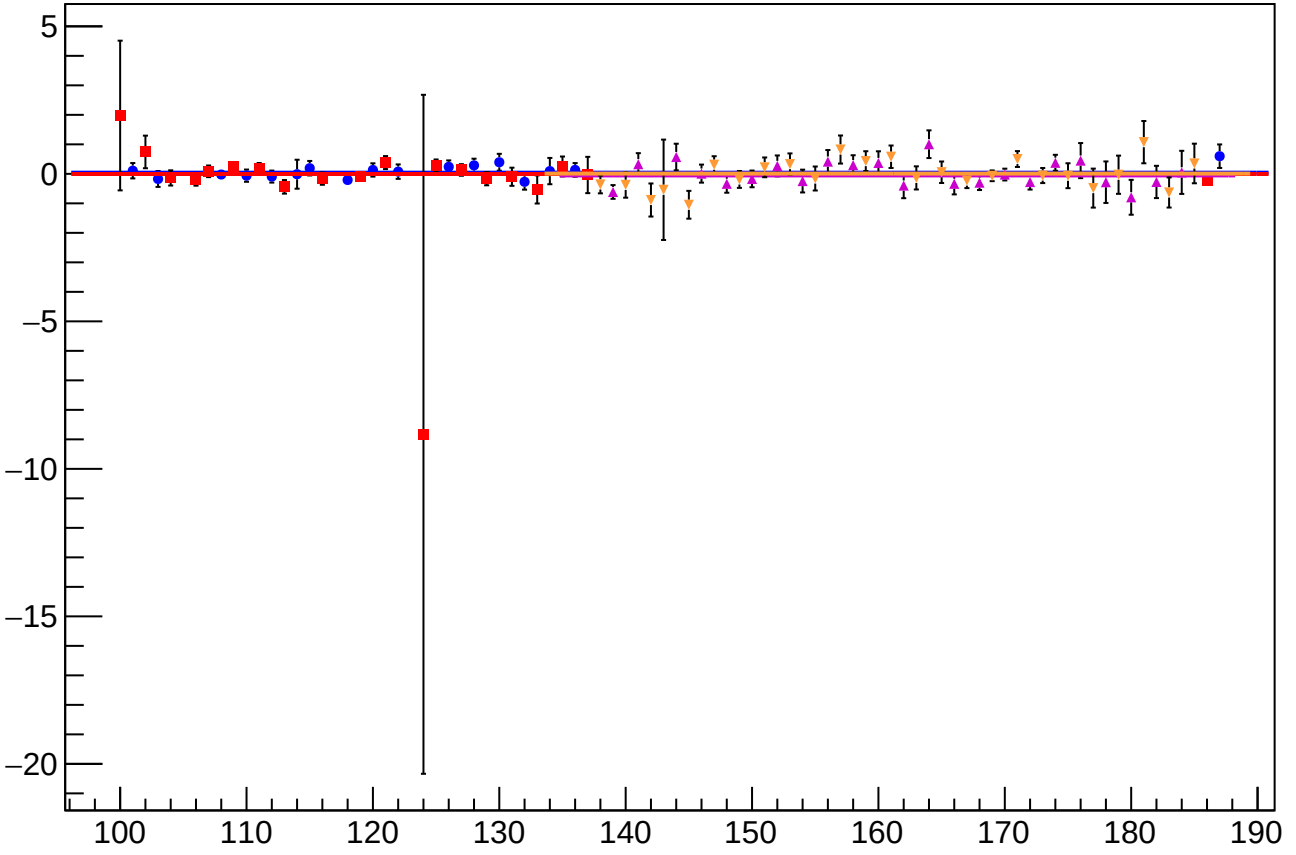
+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
110
120
130
140
150
160
170
180
190
Right In: 147.318+/-0.040 χ²/NDF: 1005702.3/16
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 124.903+/-0.036 χ²/NDF: 1990528.4/19
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 202.925+/-0.031 χ²/NDF: 10482792.9/41
All: 189.727+/-0.021 χ²/NDF: 22659435.4/84
- sign 178.593+/-0.029 χ²/NDF: 11852392.4/42

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

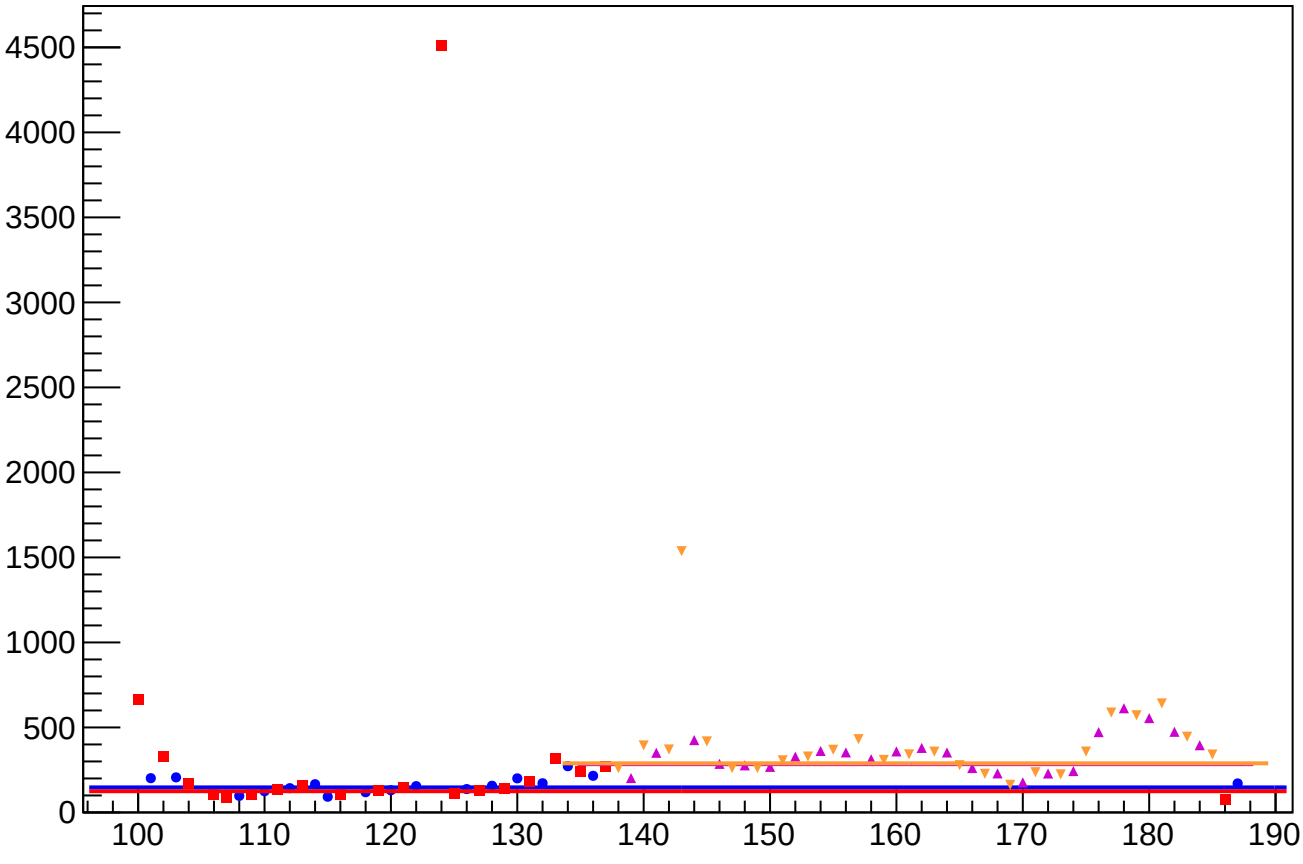
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

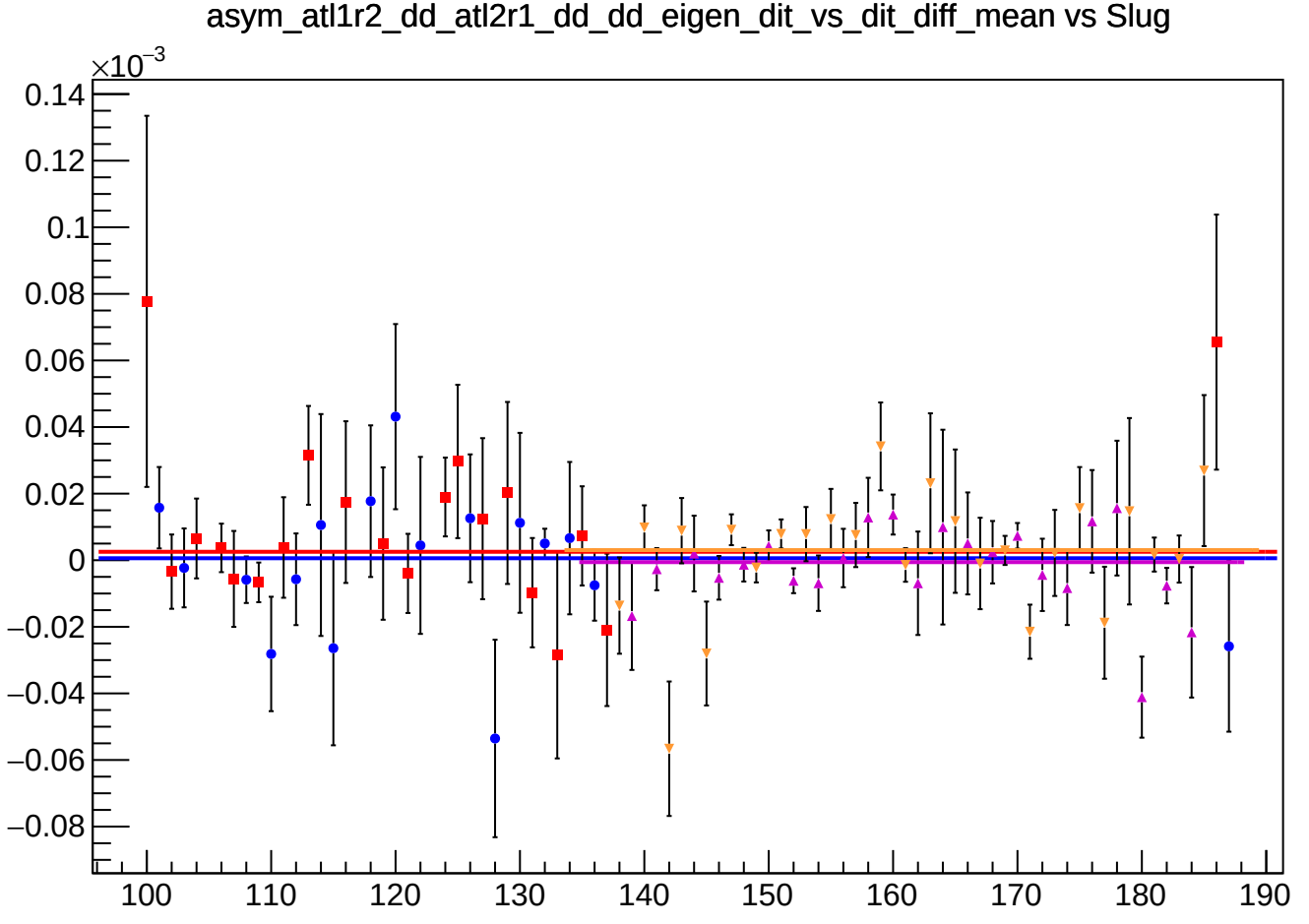
Right Out: 124.903+/-0.036 χ^2/NDF: 1990528.4/19

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 202.925+/-0.031 χ^2/NDF: 10482792.9/41

All: 189.727+/-0.021 χ^2/NDF: 22659435.4/84

- sign 178.593+/-0.029 χ^2/NDF: 11852392.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

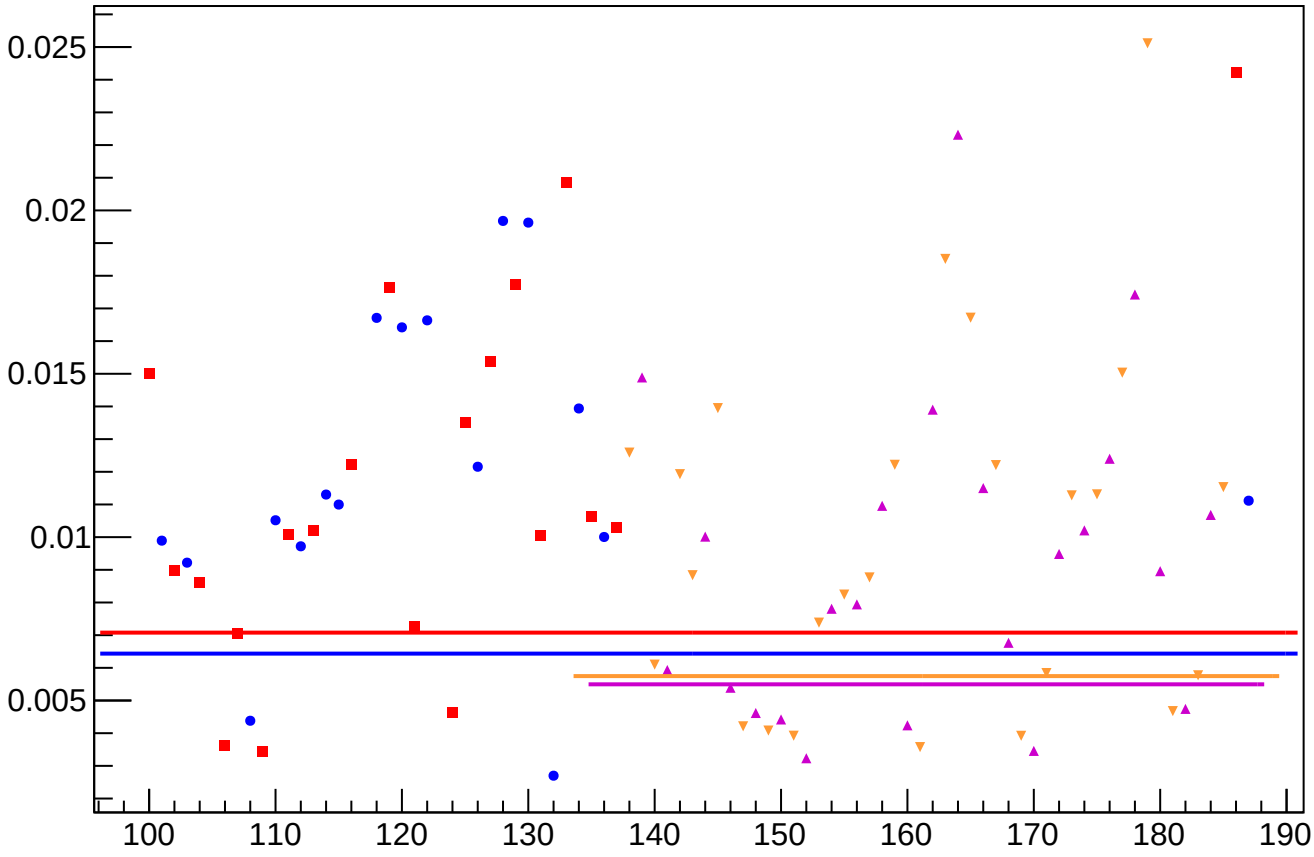
Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.7/41

All: 0.000+/-0.000 χ^2/NDF: 113.2/84

- sign 0.000+/-0.000 χ^2/NDF: 52.8/42



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

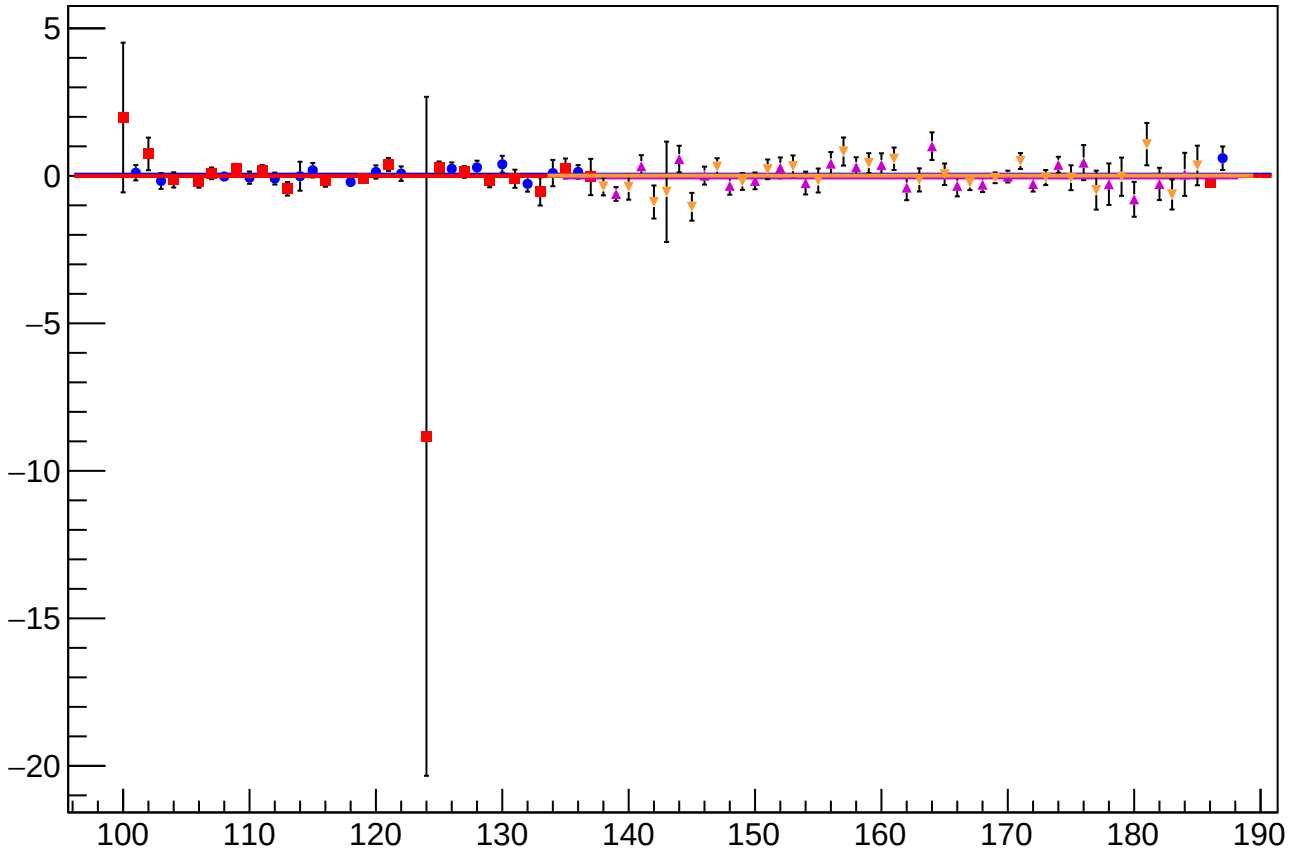
Right Out: 0.007+/-0.000 χ^2/NDF: 3813334.3/19

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 12923726.3/41

All: 0.006+/-0.000 χ^2/NDF: 24119828.3/84

- sign 0.006+/-0.000 χ^2/NDF: 11192731.8/42



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

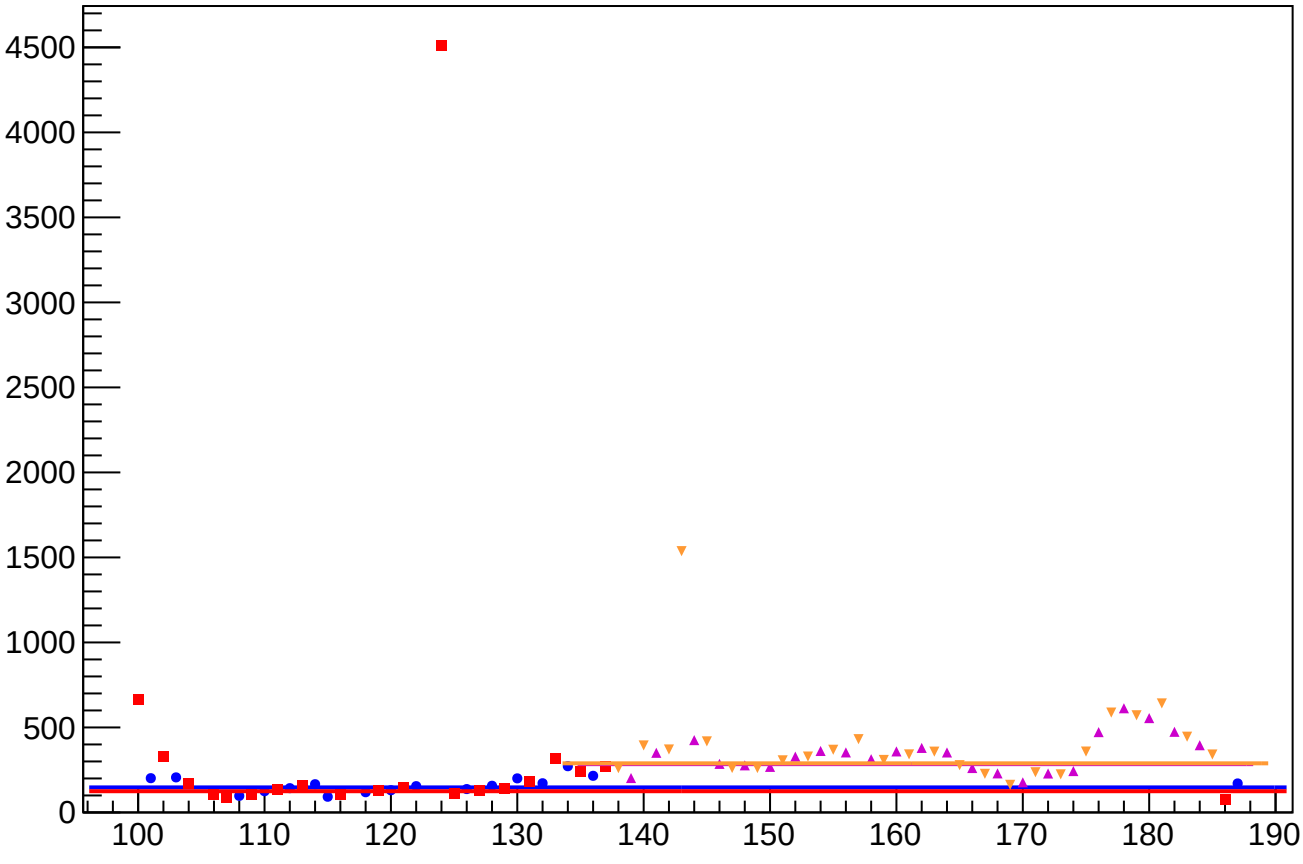
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

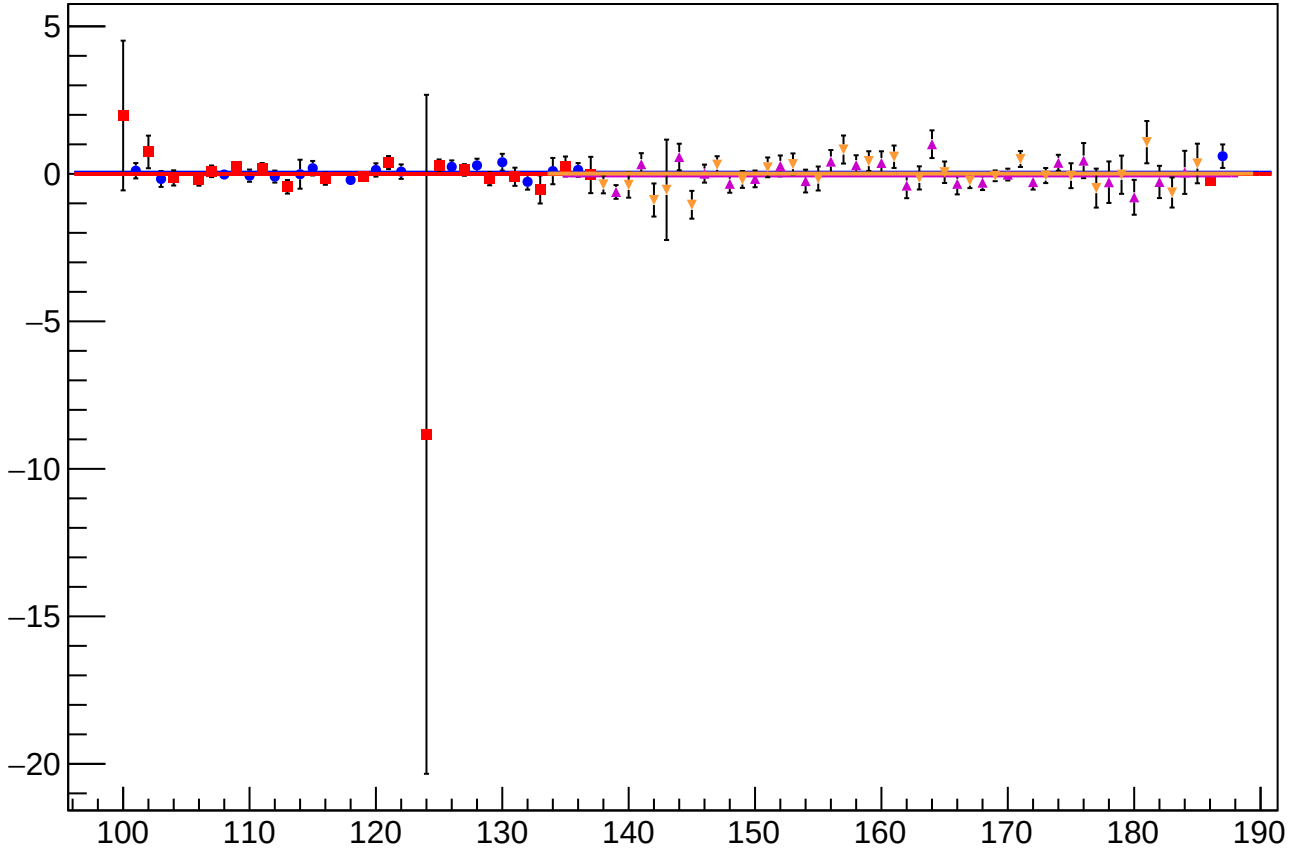
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.924+/-0.031 χ^2/NDF: 10482932.7/41

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84

- sign 178.595+/-0.029 χ^2/NDF: 11852258.1/42

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

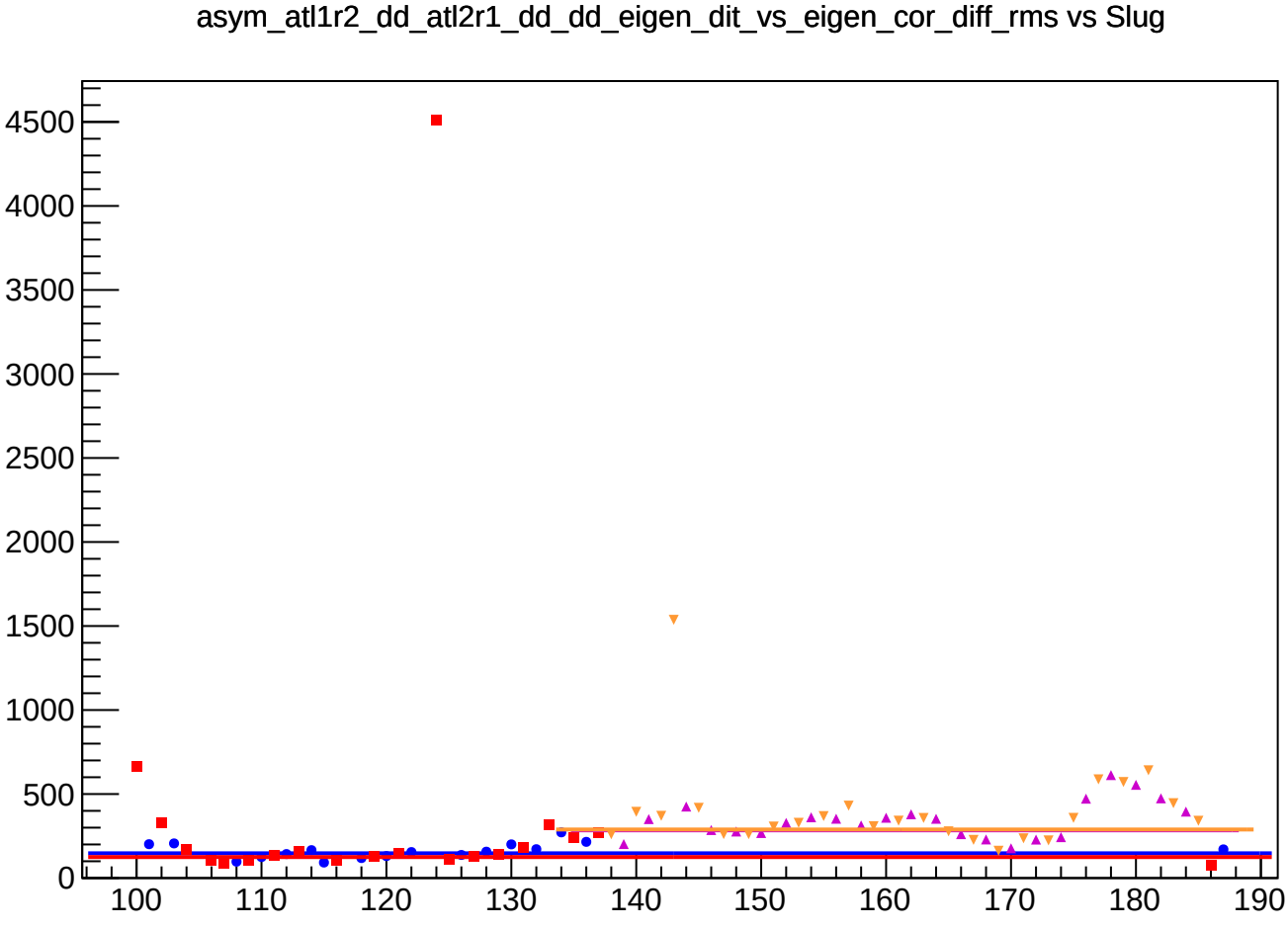
Right Out: -0.005+/-0.050 χ^2/NDF: 24.1/19

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.028+/-0.045 χ^2/NDF: 40.5/41

All: 0.001+/-0.030 χ^2/NDF: 93.3/84

- sign -0.021+/-0.041 χ^2/NDF: 52.2/42



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

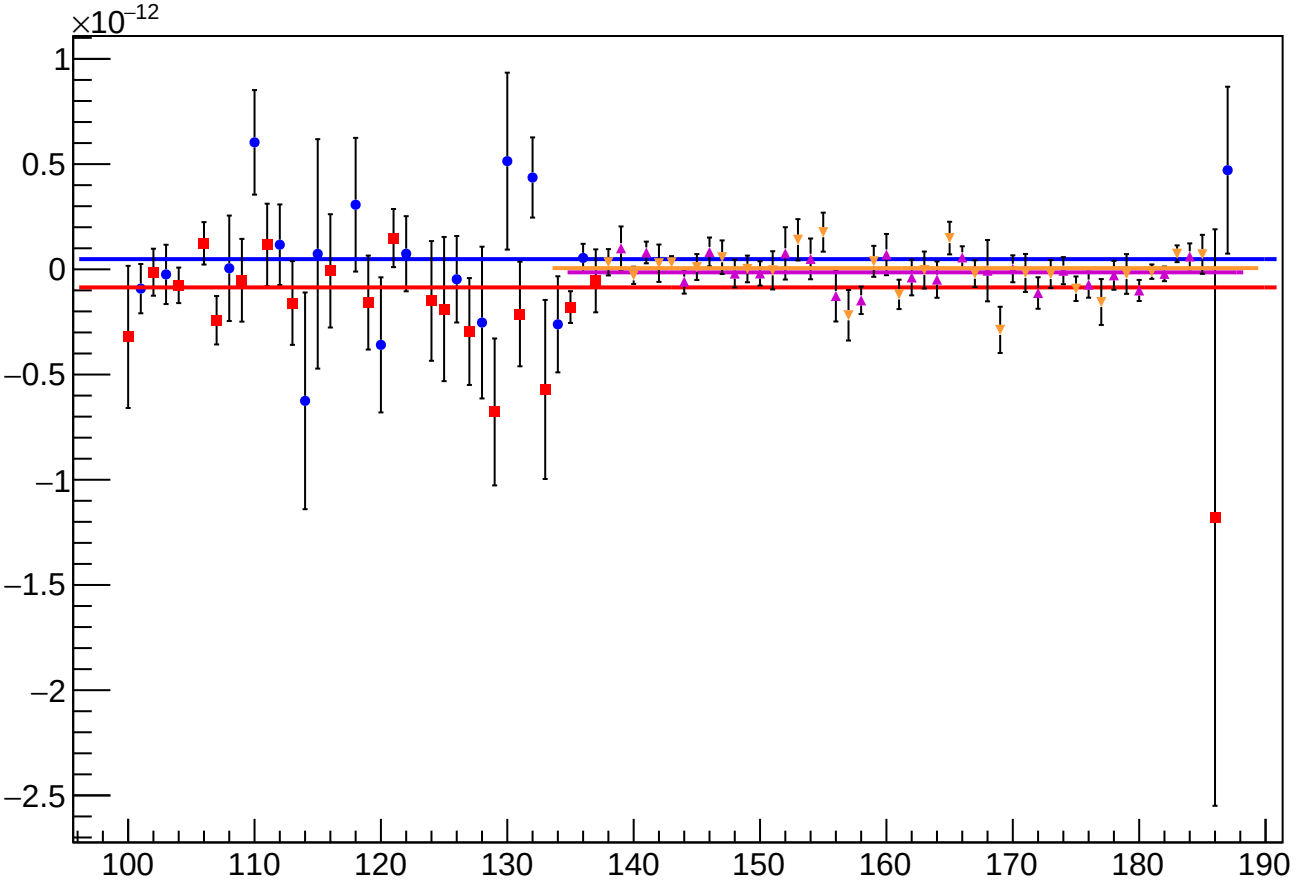
Right Out: 124.905+/-0.036 χ^2/NDF: 1990418.8/19

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 202.924+/-0.031 χ^2/NDF: 10482932.7/41

All: 189.728+/-0.021 χ^2/NDF: 22659378.3/84

- sign 178.595+/-0.029 χ^2/NDF: 11852258.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

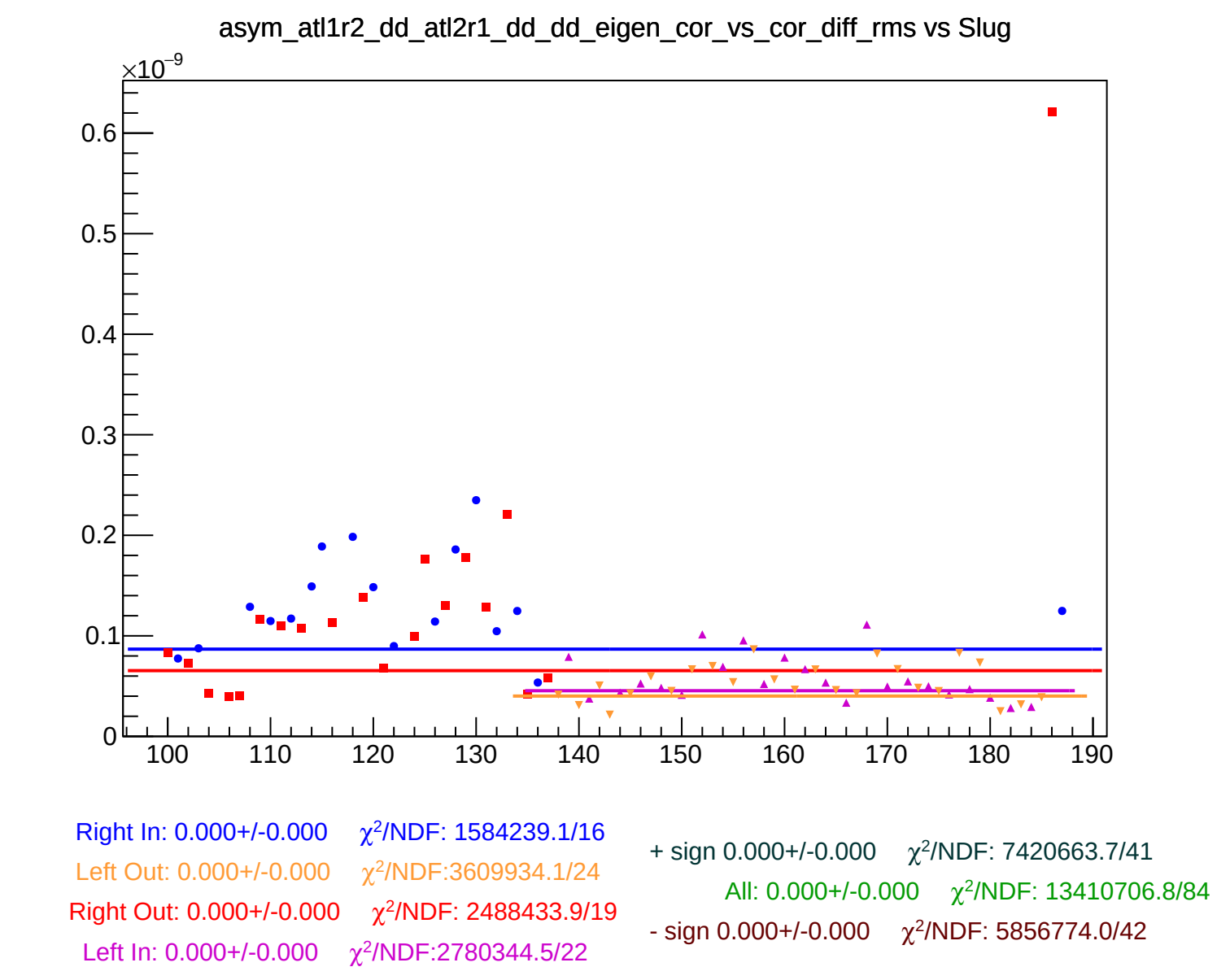
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

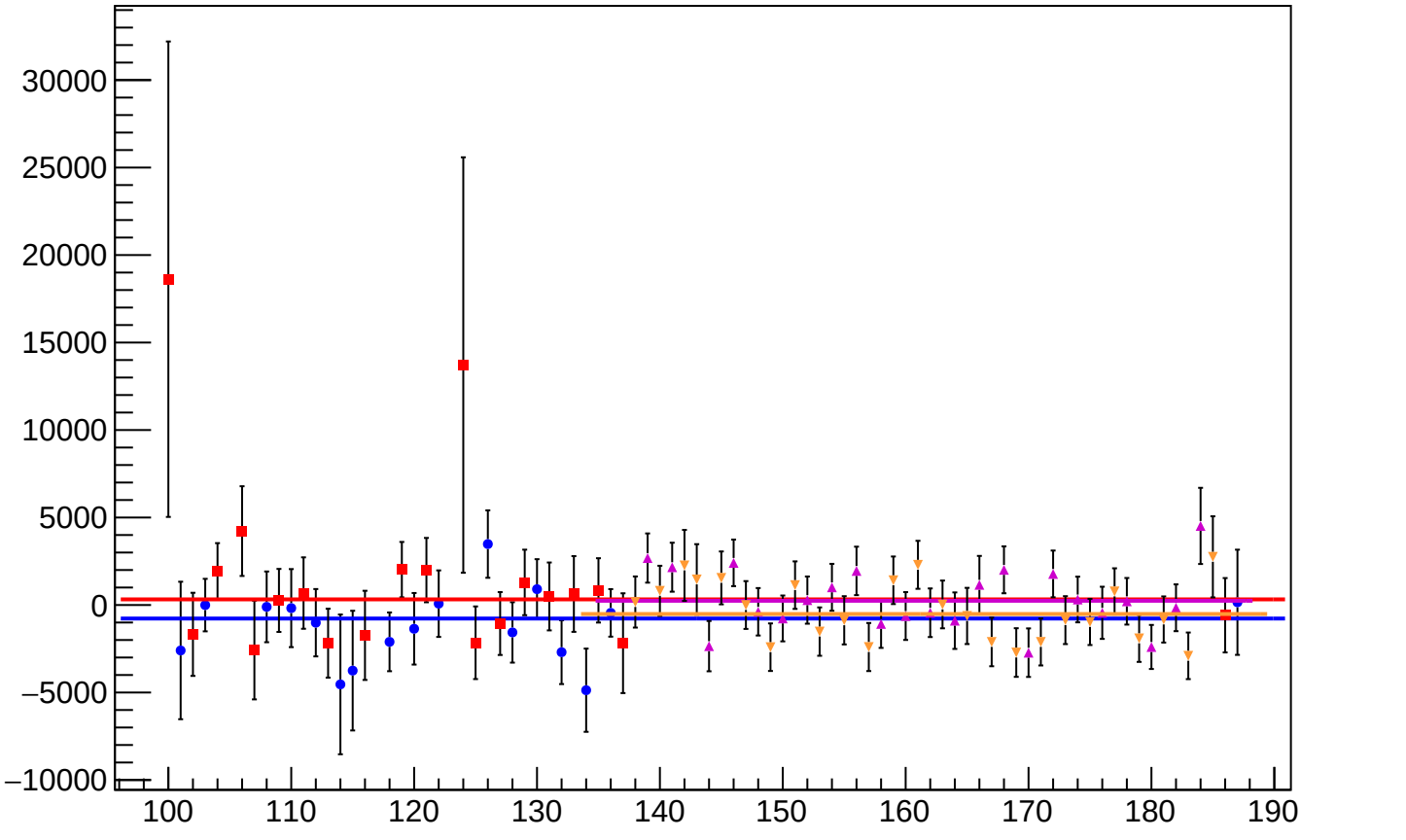
Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.2/41

All: -0.000+/-0.000 χ^2/NDF: 104.7/84

- sign -0.000+/-0.000 χ^2/NDF: 45.8/42


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1584239.1/16
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2488433.9/19
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7420663.7/41
All: 0.000+/-0.000 χ²/NDF: 13410706.8/84
- sign 0.000+/-0.000 χ²/NDF: 5856774.0/42



Right In: -772.835+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 322.583+/-473.608 χ^2/NDF: 15.8/19

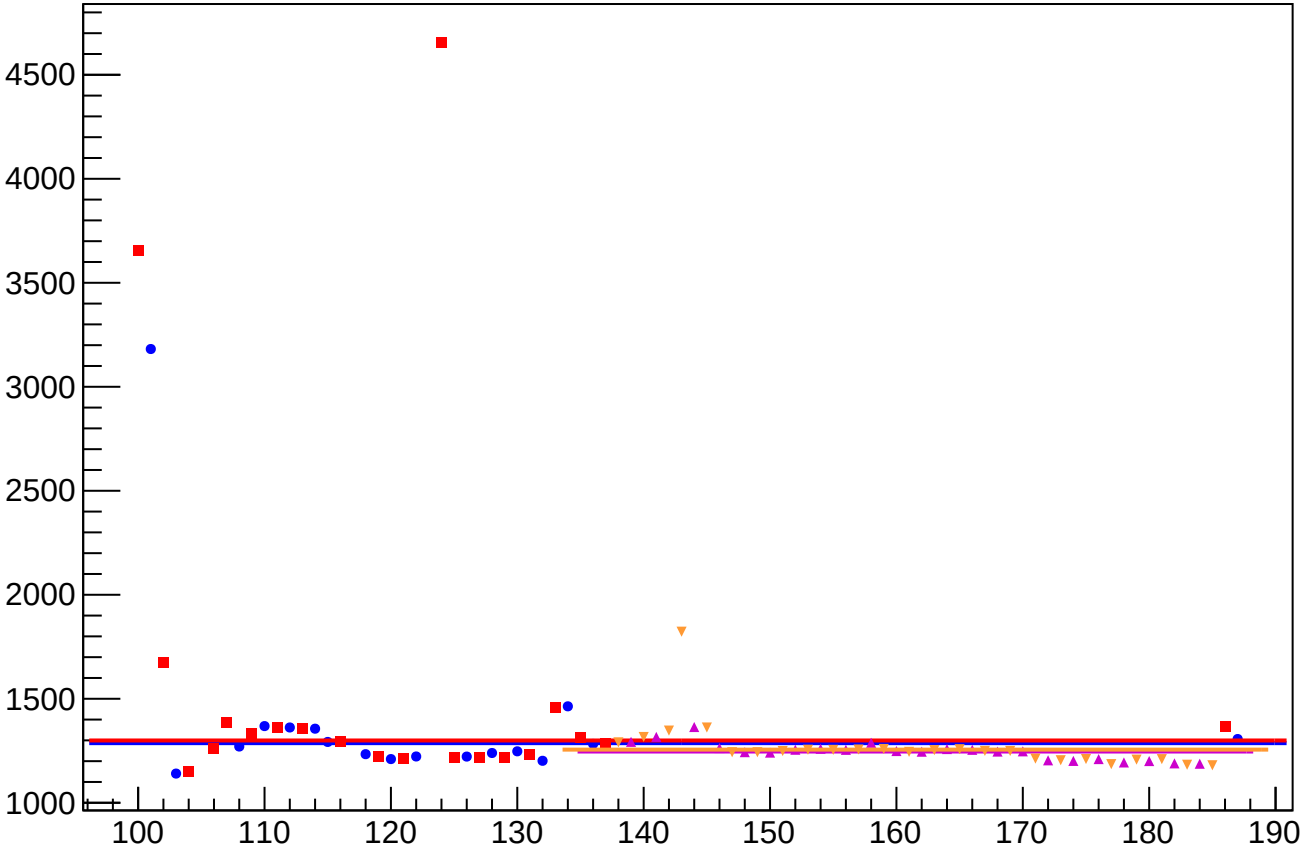
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -581.911+/-245.814 χ^2/NDF: 44.6/41

All: -162.471+/-174.599 χ^2/NDF: 98.4/84

- sign 264.600+/-248.041 χ^2/NDF: 47.9/42

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.619+/-0.340 χ^2/NDF: 518216.2/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

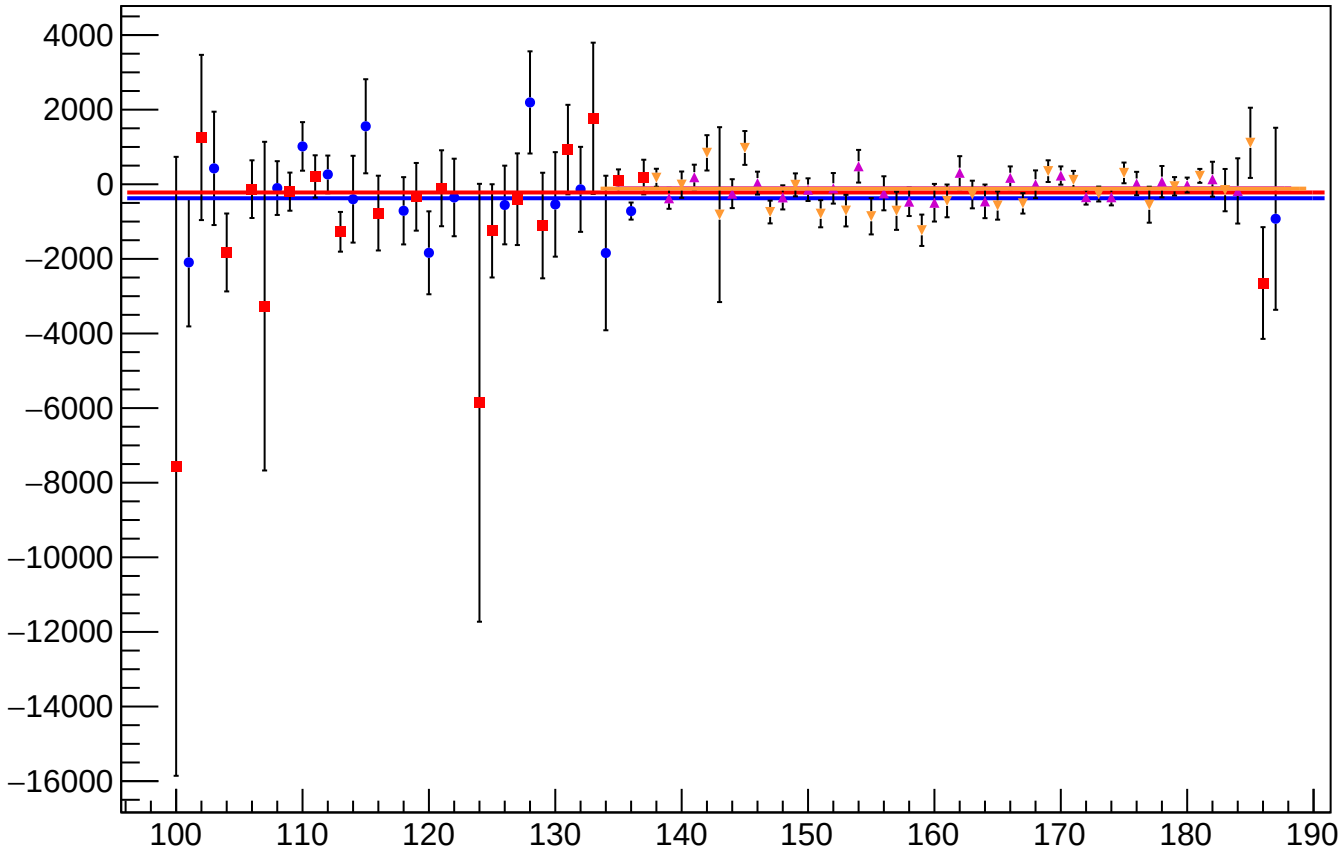
Right Out: 1299.478+/-0.335 χ^2/NDF: 330201.9/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727516.7/41

All: 1262.291+/-0.123 χ^2/NDF: 1115956.9/84

- sign 1260.926+/-0.175 χ^2/NDF: 388320.1/42



Right In: -374.939+/-167.806 χ^2/NDF: 18.2/16

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

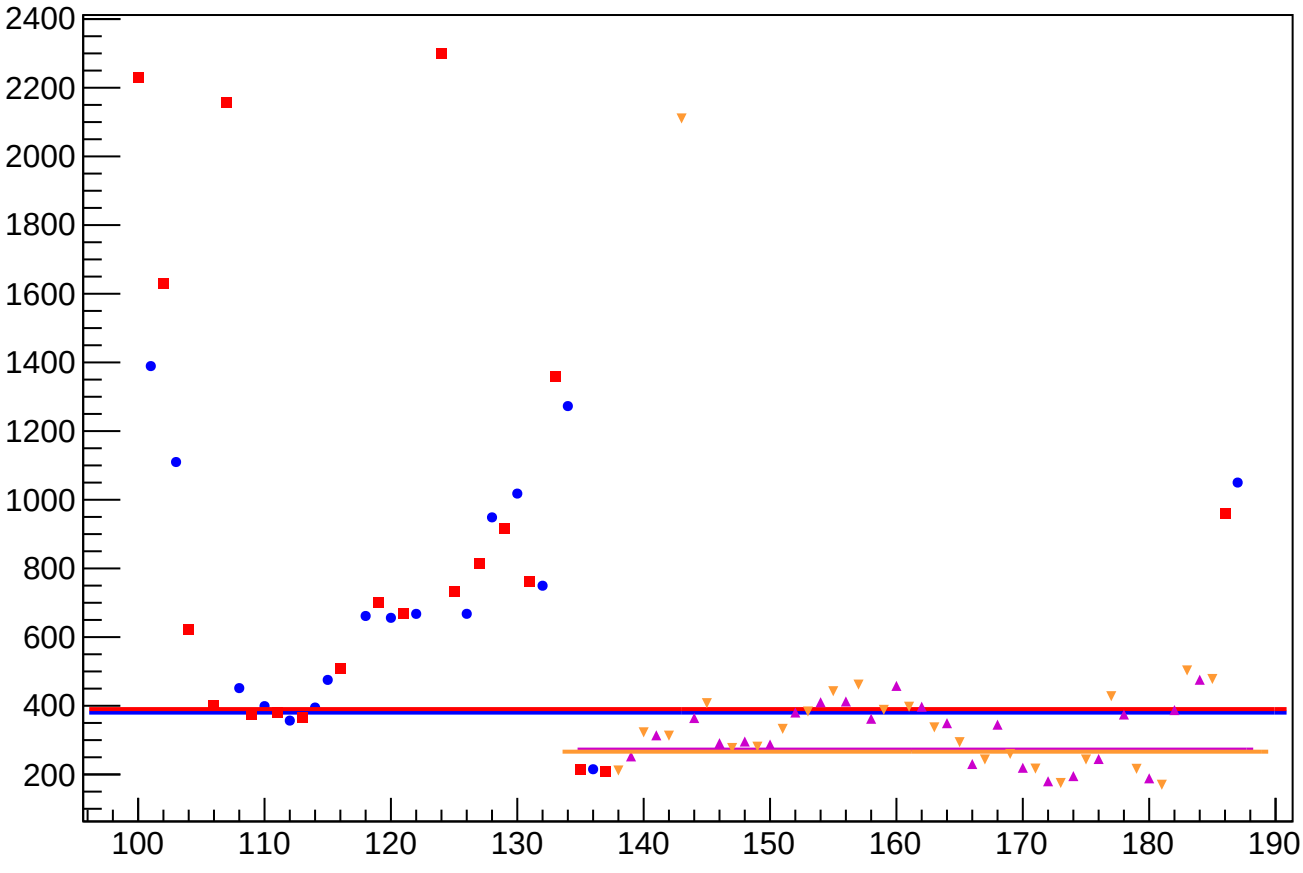
Right Out: -220.052+/-168.499 χ^2/NDF: 17.3/19

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -150.730+/-60.659 χ^2/NDF: 68.7/41

All: -137.094+/-43.447 χ^2/NDF: 100.2/84

\- sign -122.729+/-62.259 χ^2/NDF: 31.4/42



Right In: 380.076+/-0.119 χ^2/NDF: 4341702.4/16

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

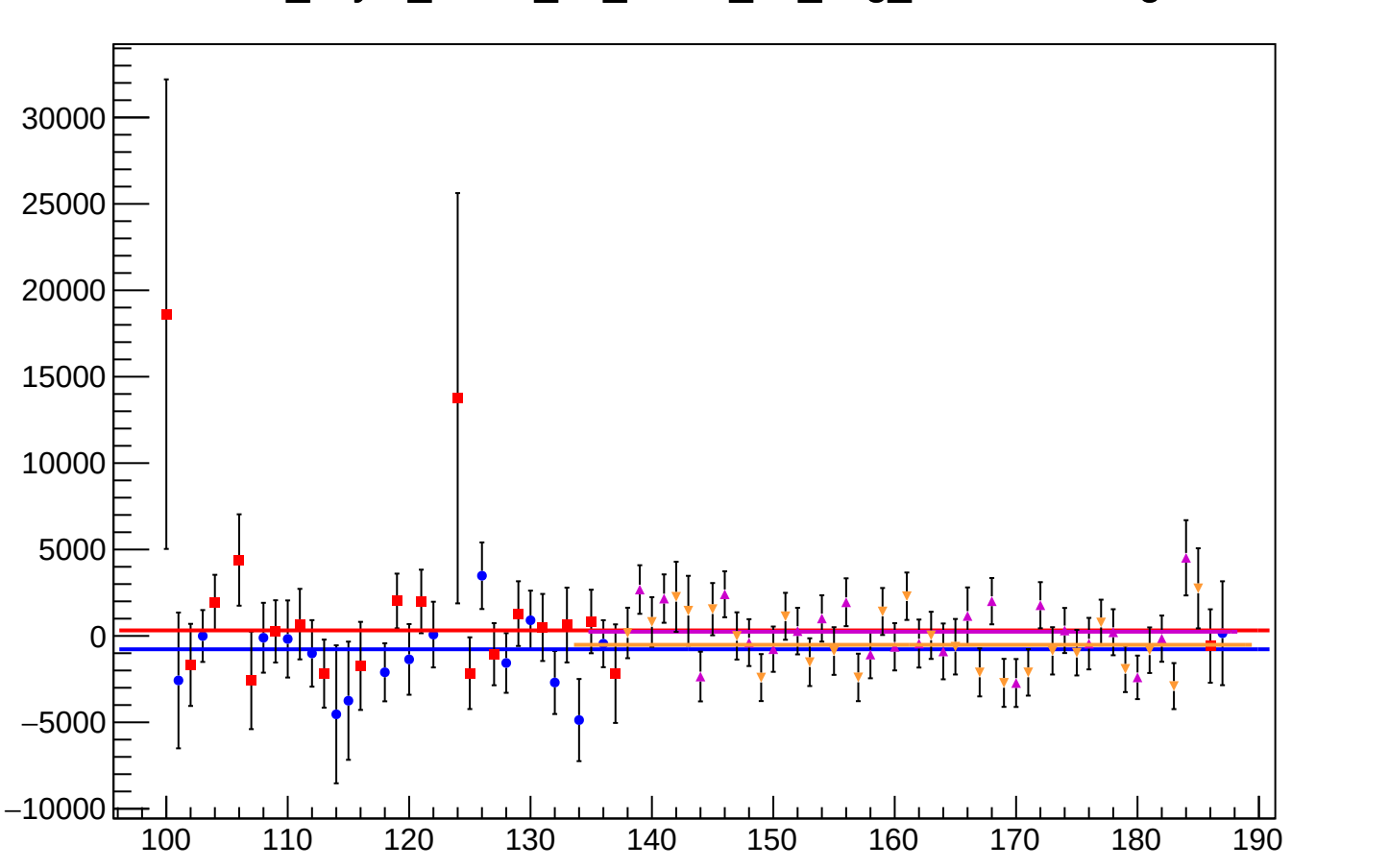
Right Out: 390.382+/-0.119 χ^2/NDF: 4347639.0/19

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 281.185+/-0.043 χ^2/NDF: 9770830.2/41

All: 284.738+/-0.031 χ^2/NDF: 17867507.3/84

- sign 288.480+/-0.044 χ^2/NDF: 8082593.3/42



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 320.085+/-474.092 χ^2/NDF: 15.9/19

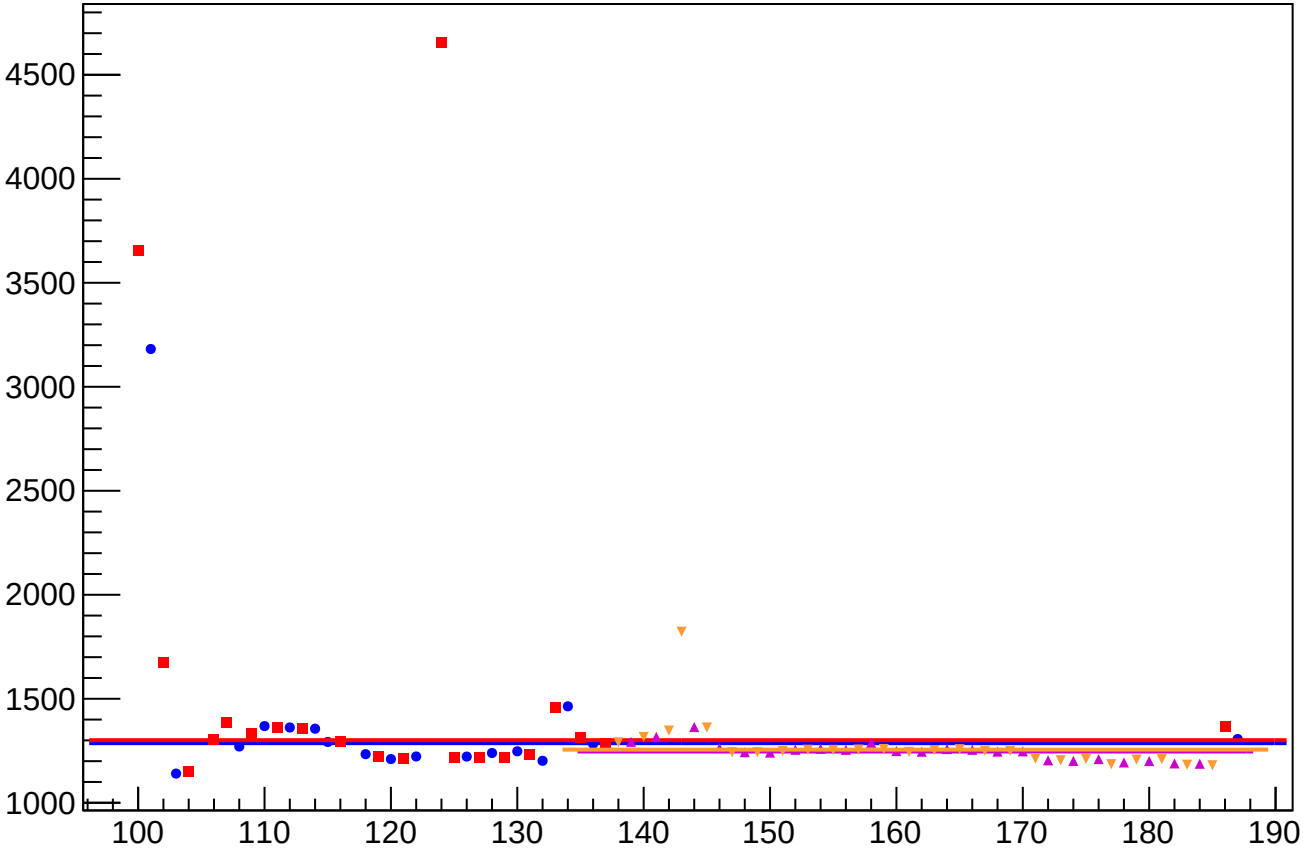
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -581.773+/-245.814 χ^2/NDF: 44.6/41

All: -162.883+/-174.623 χ^2/NDF: 98.4/84

- sign 263.867+/-248.110 χ^2/NDF: 47.9/42

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

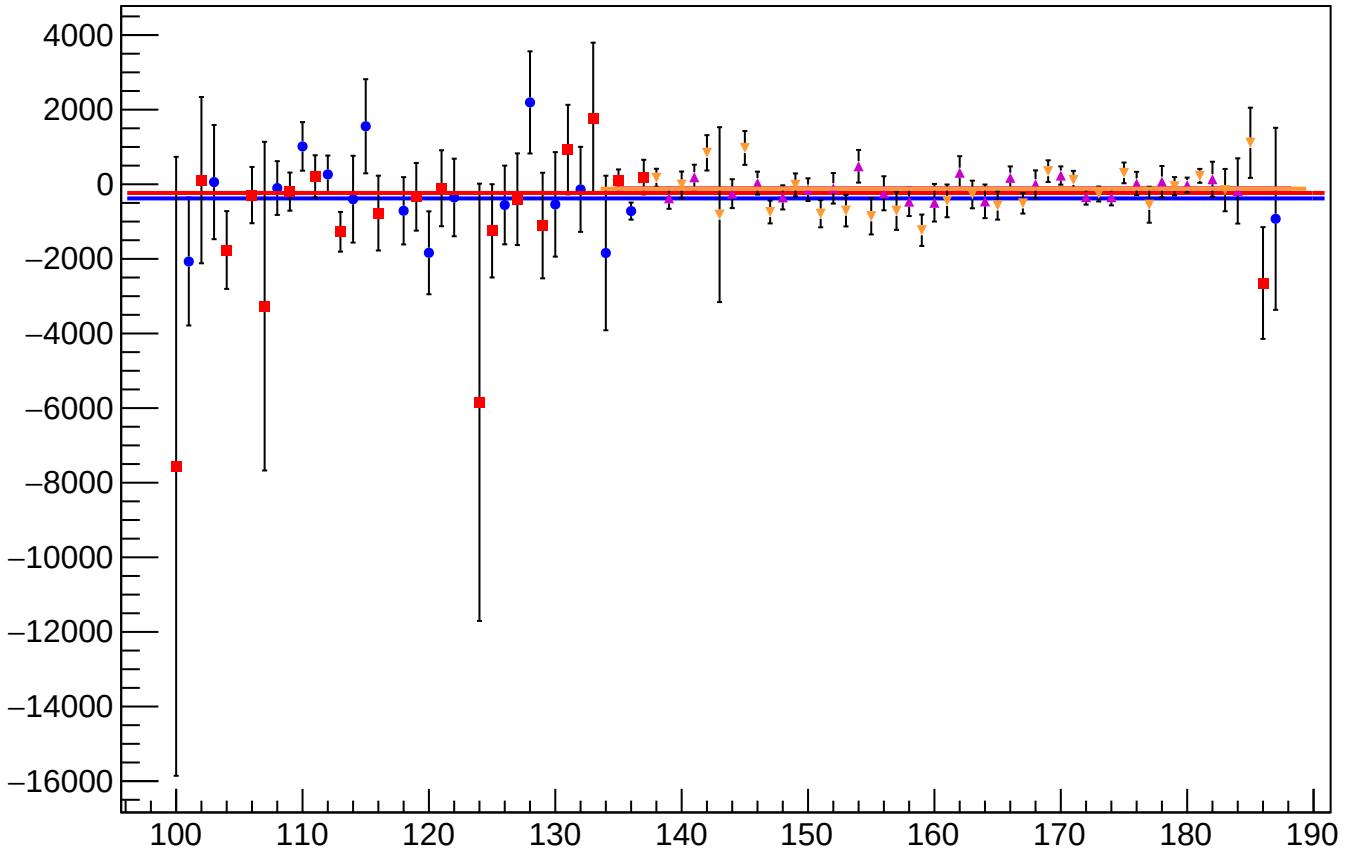
Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727518.1/41

All: 1262.469+/-0.123 χ^2/NDF: 1116450.9/84

- sign 1261.284+/-0.175 χ^2/NDF: 388842.5/42



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

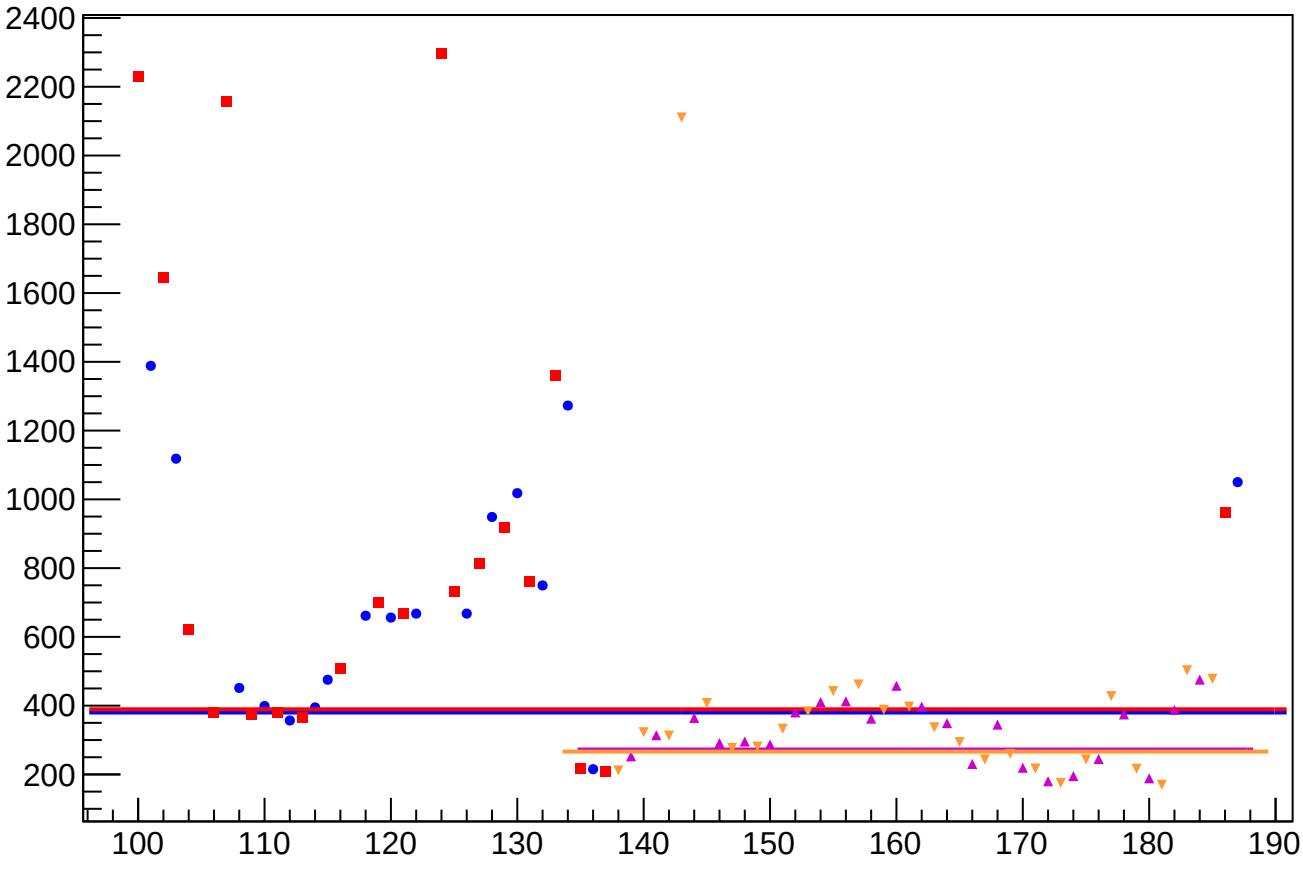
Right Out: -233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.280+/-60.661 χ^2/NDF: 68.6/41

All: -138.302+/-43.445 χ^2/NDF: 99.5/84

- sign -124.635+/-62.251 χ^2/NDF: 30.9/42



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

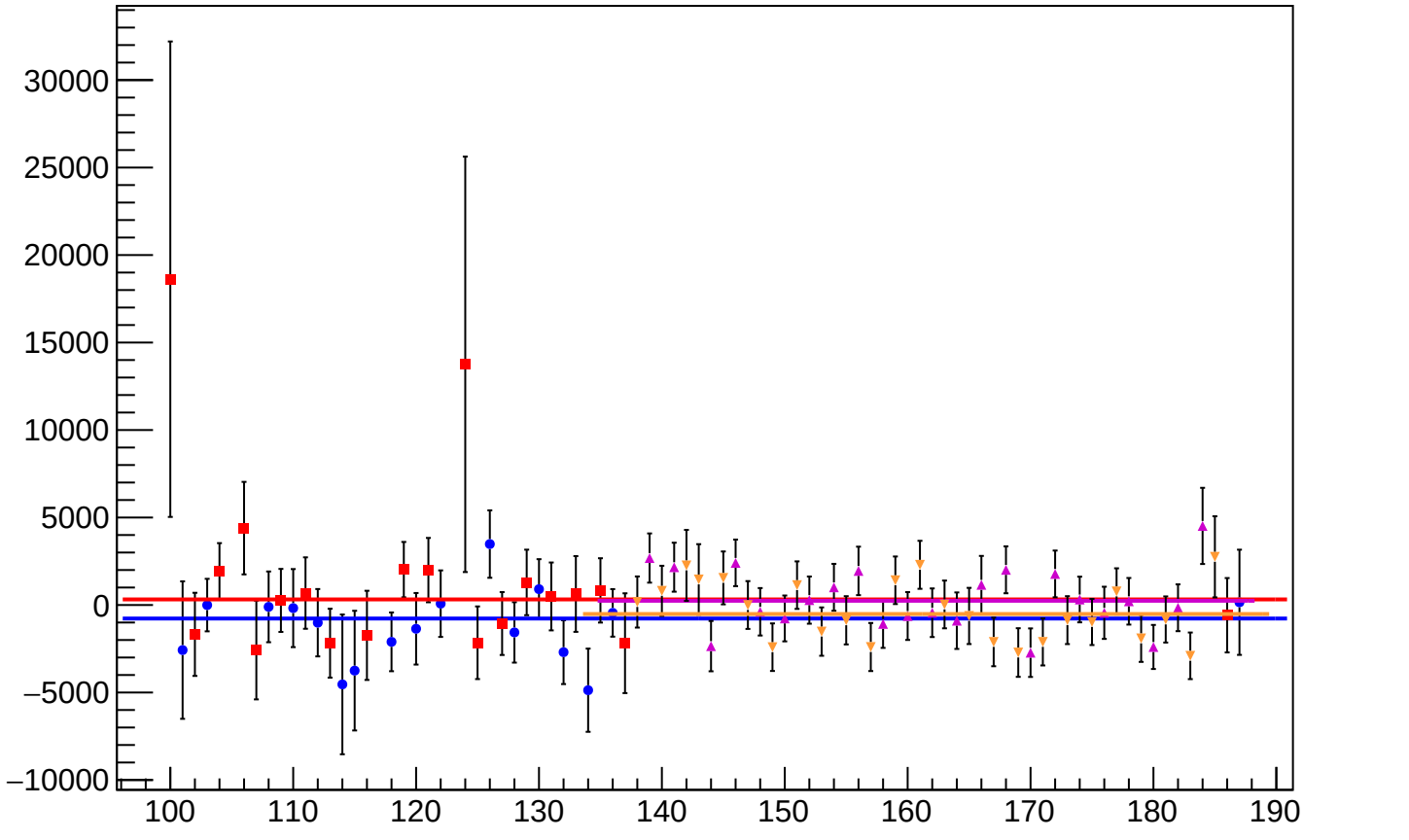
Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 281.187+/-0.043 χ^2/NDF: 9773650.4/41

All: 284.696+/-0.031 χ^2/NDF: 17864238.5/84

- sign 288.392+/-0.044 χ^2/NDF: 8076844.6/42



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 320.085+/-474.092 χ^2/NDF: 15.9/19

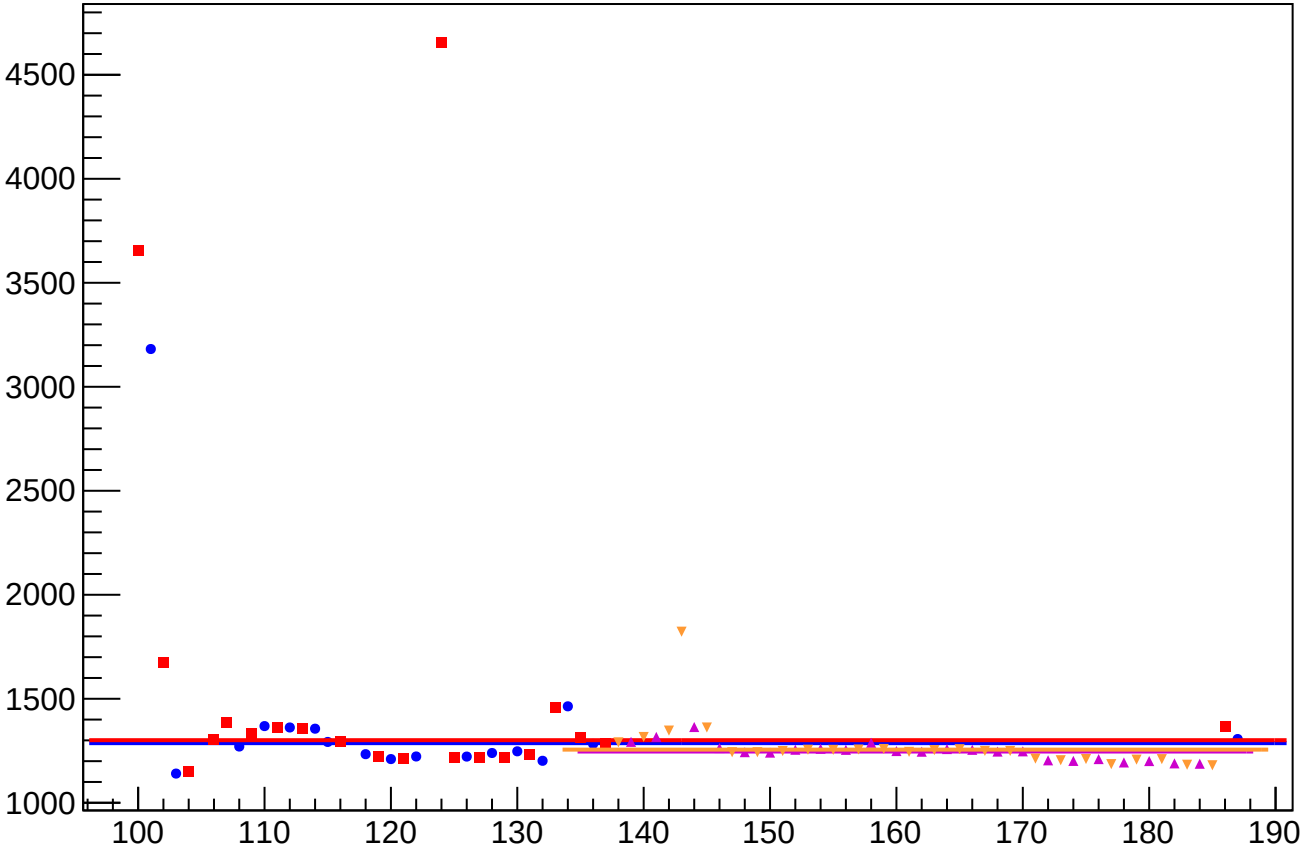
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -581.773+/-245.814 χ^2/NDF: 44.6/41

All: -162.883+/-174.623 χ^2/NDF: 98.4/84

- sign 263.867+/-248.110 χ^2/NDF: 47.9/42

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

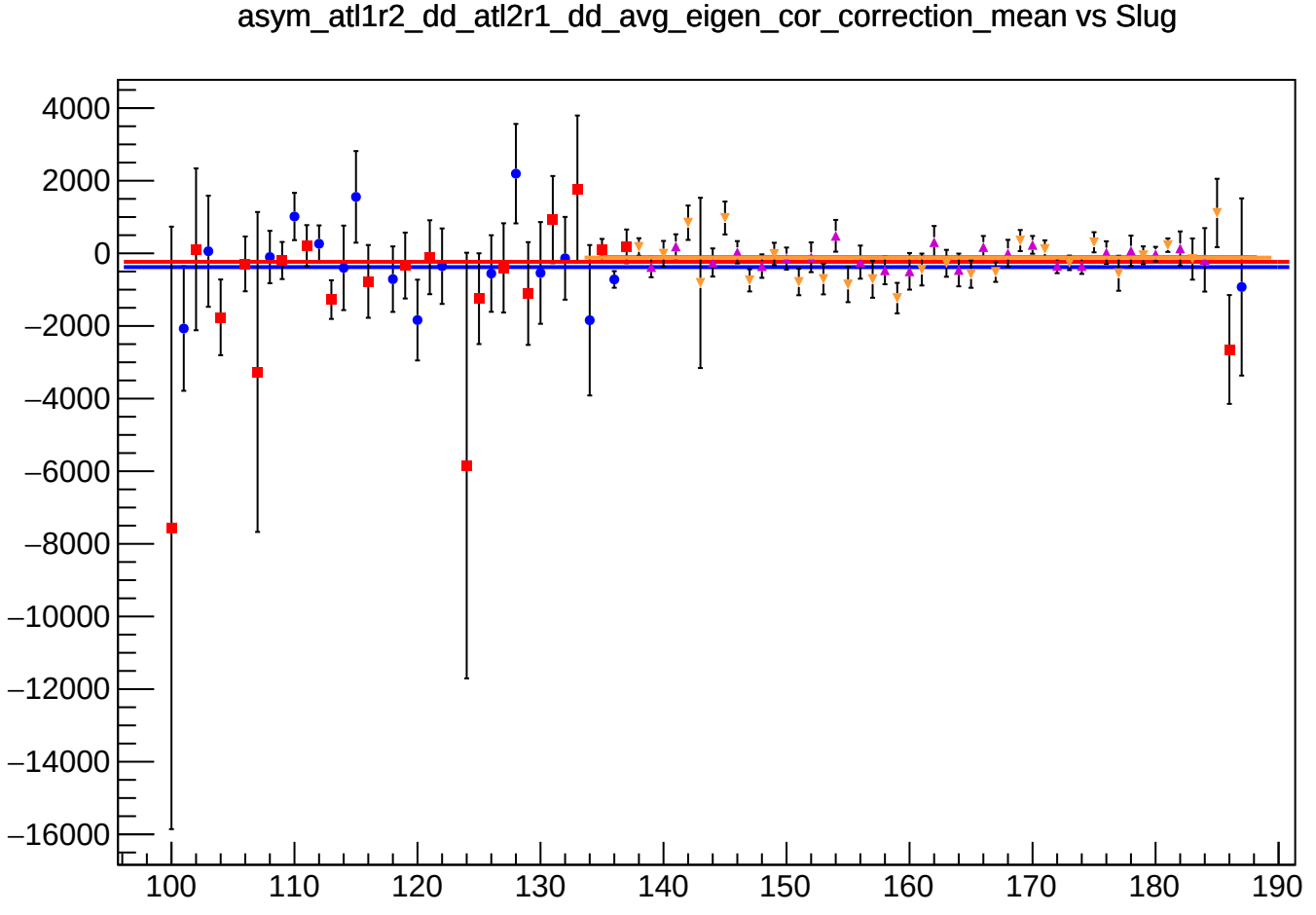
Right Out: 1300.864+/-0.335 χ^2/NDF: 329787.5/19

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1263.632+/-0.174 χ^2/NDF: 727518.1/41

All: 1262.469+/-0.123 χ^2/NDF: 1116450.9/84

- sign 1261.284+/-0.175 χ^2/NDF: 388842.5/42



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

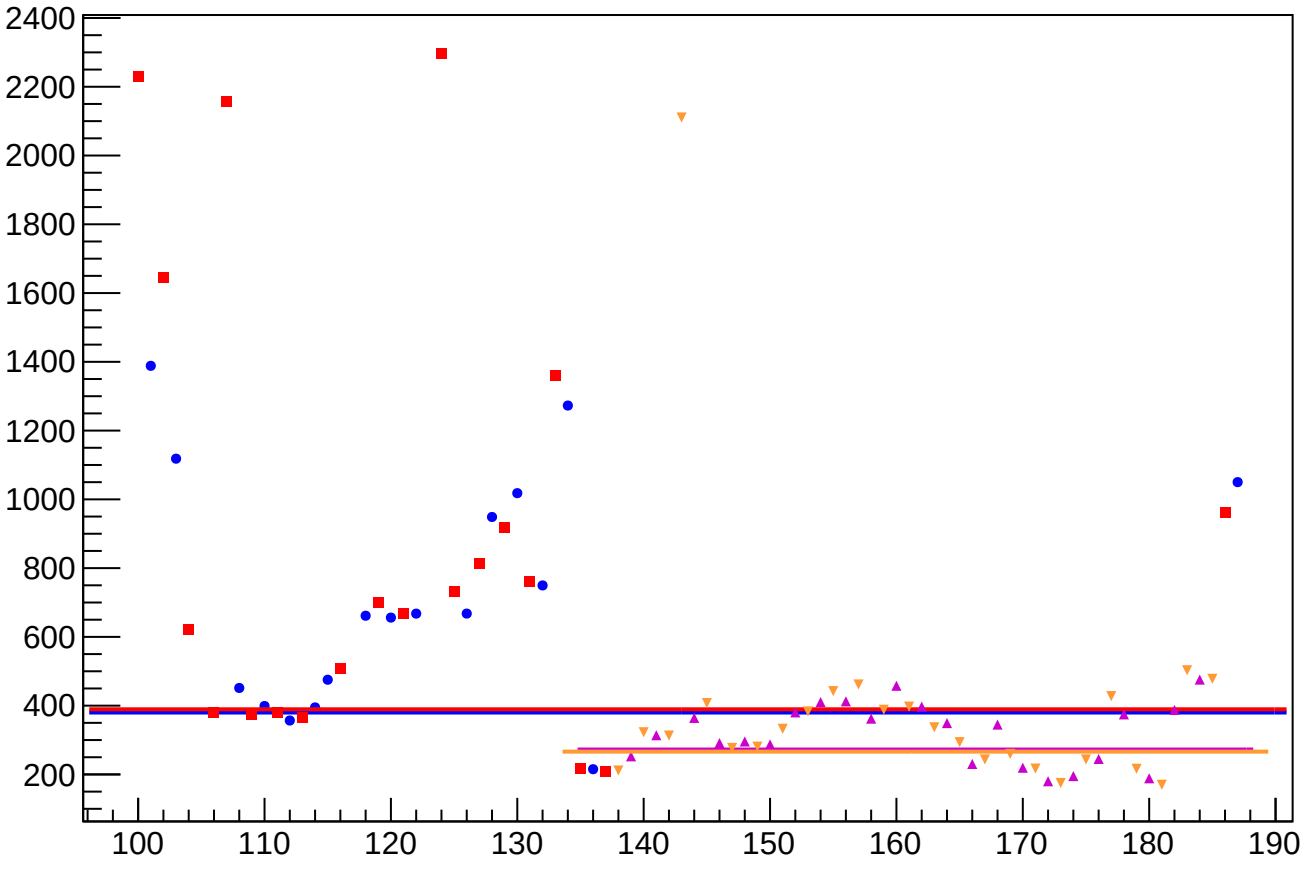
Right Out: -233.010+/-168.305 χ^2/NDF: 16.7/19

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -151.280+/-60.661 χ^2/NDF: 68.6/41

All: -138.302+/-43.445 χ^2/NDF: 99.5/84

- sign -124.635+/-62.251 χ^2/NDF: 30.9/42



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 389.439+/-0.119 χ^2/NDF: 4354080.8/19

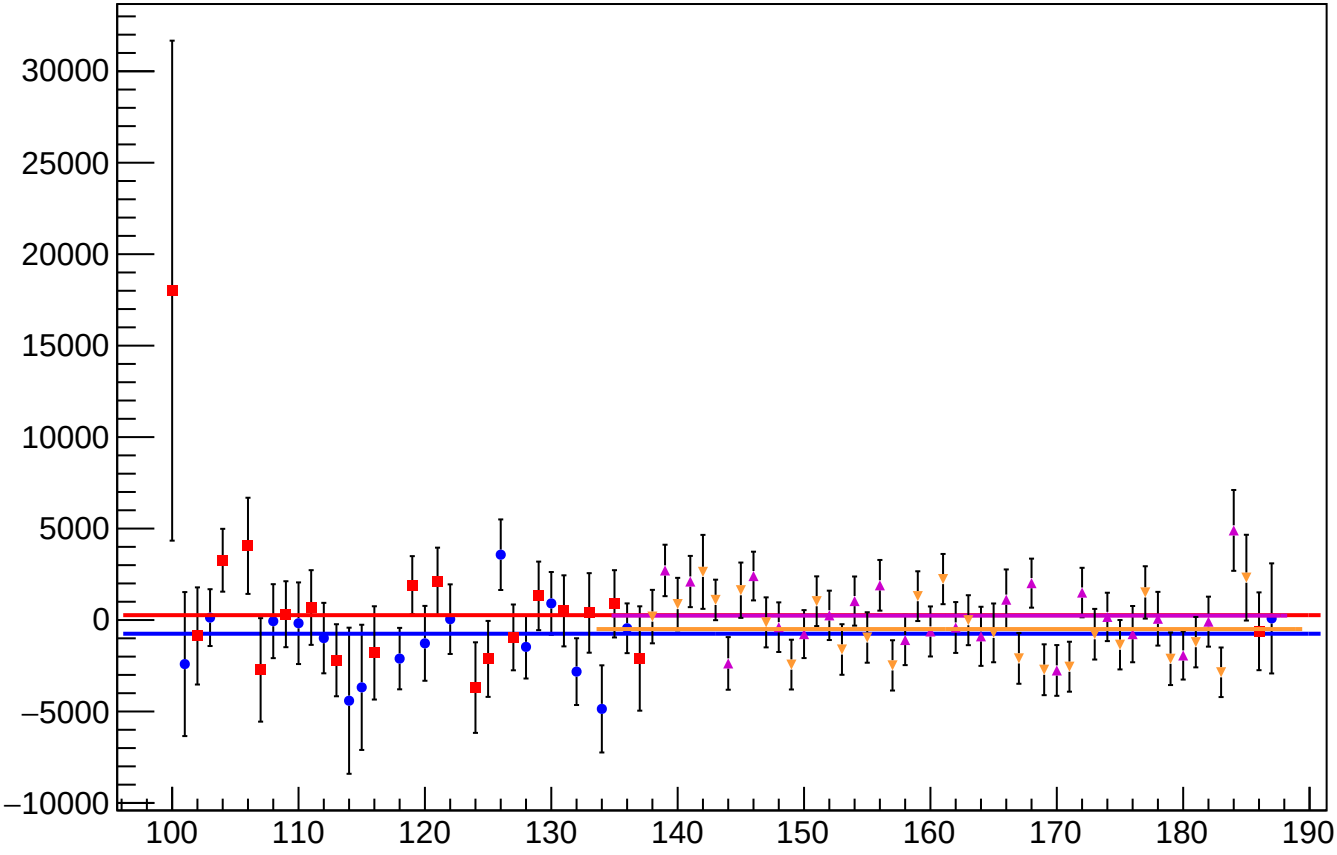
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 281.187+/-0.043 χ^2/NDF: 9773650.4/41

All: 284.696+/-0.031 χ^2/NDF: 17864238.5/84

- sign 288.392+/-0.044 χ^2/NDF: 8076844.6/42

dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -749.322+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 266.025+/-470.674 χ^2/NDF: 18.1/19

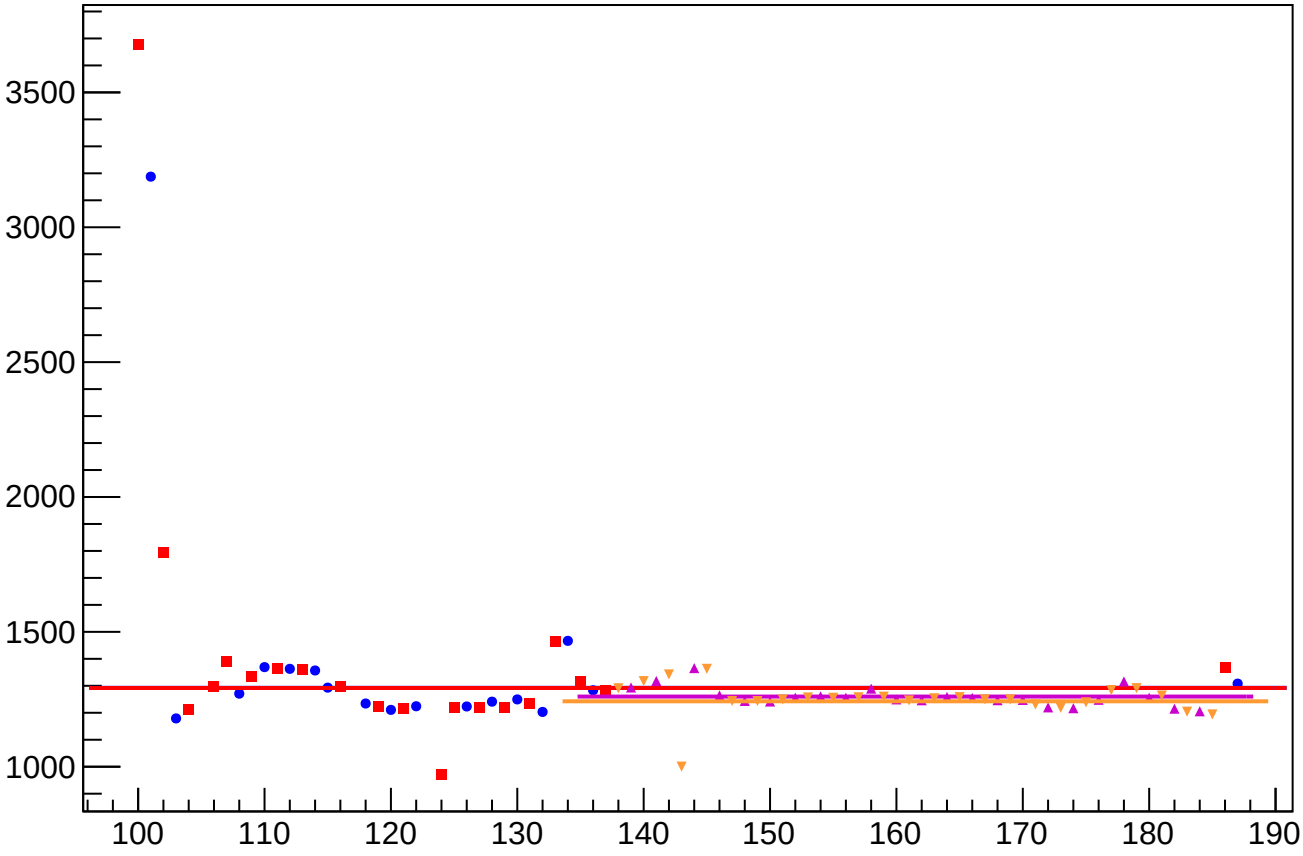
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -558.690+/-244.035 χ^2/NDF: 48.1/41

All: -164.002+/-174.479 χ^2/NDF: 102.3/84

- sign 248.757+/-249.559 χ^2/NDF: 48.8/42

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

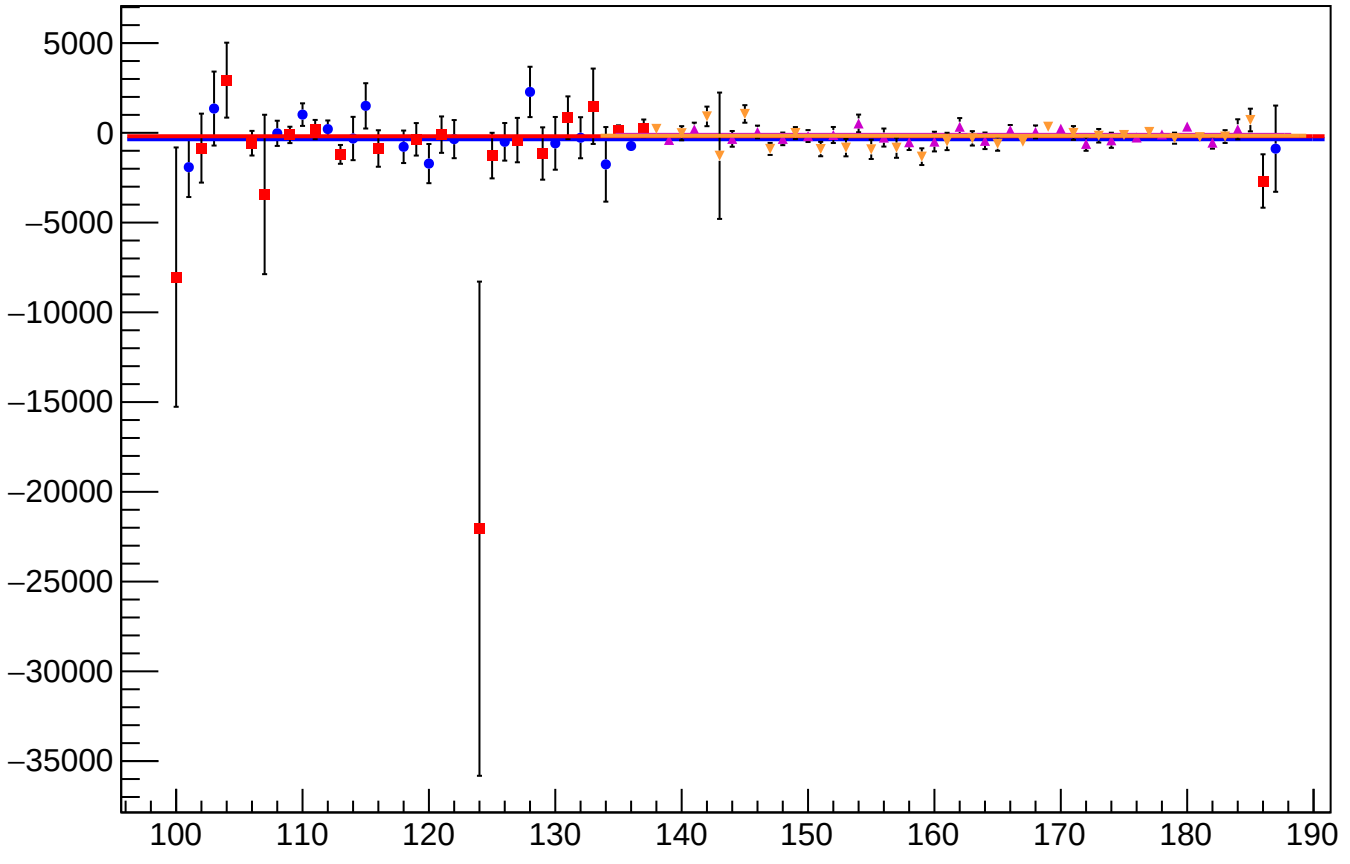
Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.3/19

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1255.267+/-0.173 χ^2/NDF: 655377.4/41

All: 1261.999+/-0.123 χ^2/NDF: 904903.5/84

- sign 1269.039+/-0.176 χ^2/NDF: 246412.4/42



Right In: -357.857+/-169.547 χ^2/NDF: 18.5/16

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

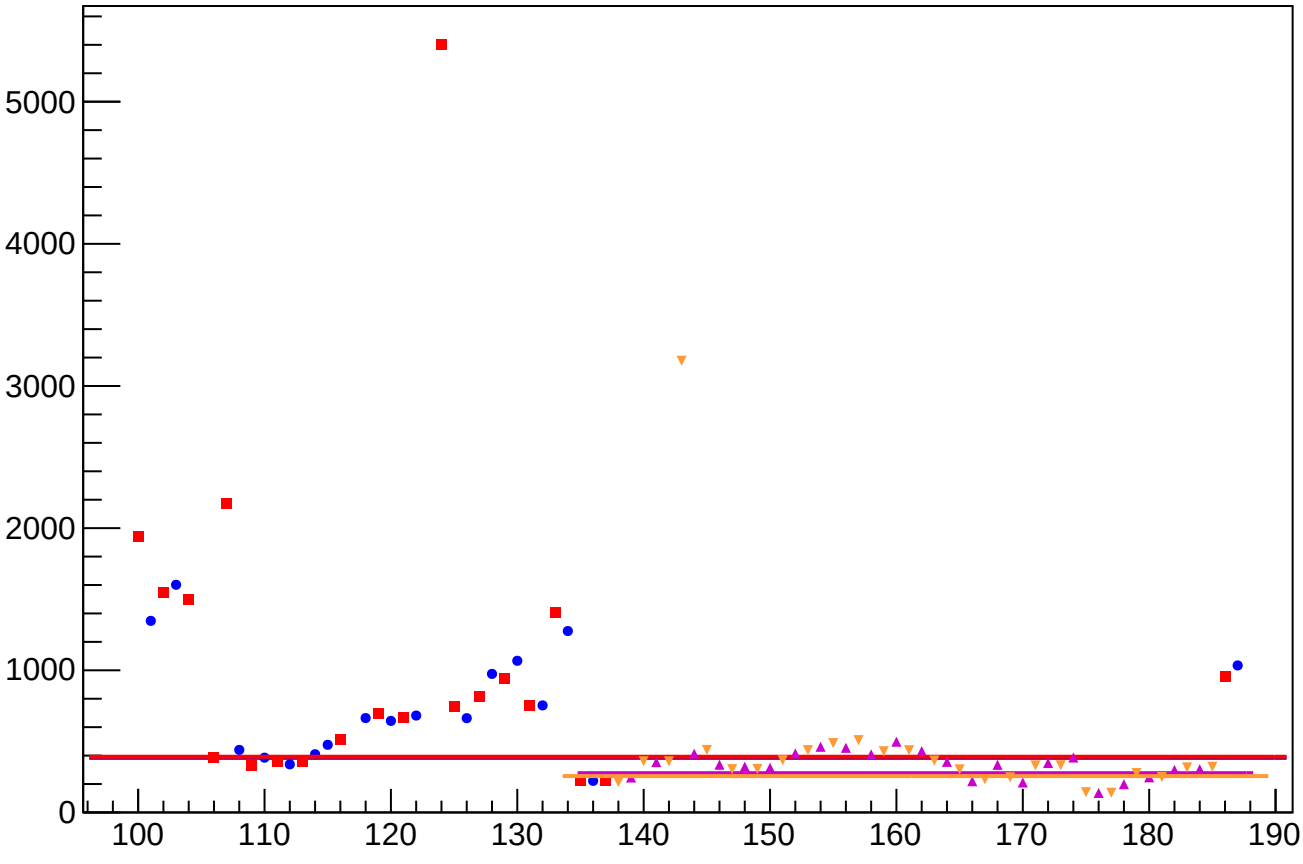
Right Out: -190.330+/-168.573 χ^2/NDF: 18.7/19

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -185.579+/-59.985 χ^2/NDF: 63.4/41

All: -156.968+/-43.680 χ^2/NDF: 101.0/84

\- sign -124.671+/-63.731 χ^2/NDF: 37.1/42



Right In: 384.601+/-0.120 χ^2/NDF: 4464871.9/16

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 391.959+/-0.119 χ^2/NDF: 4849456.6/19

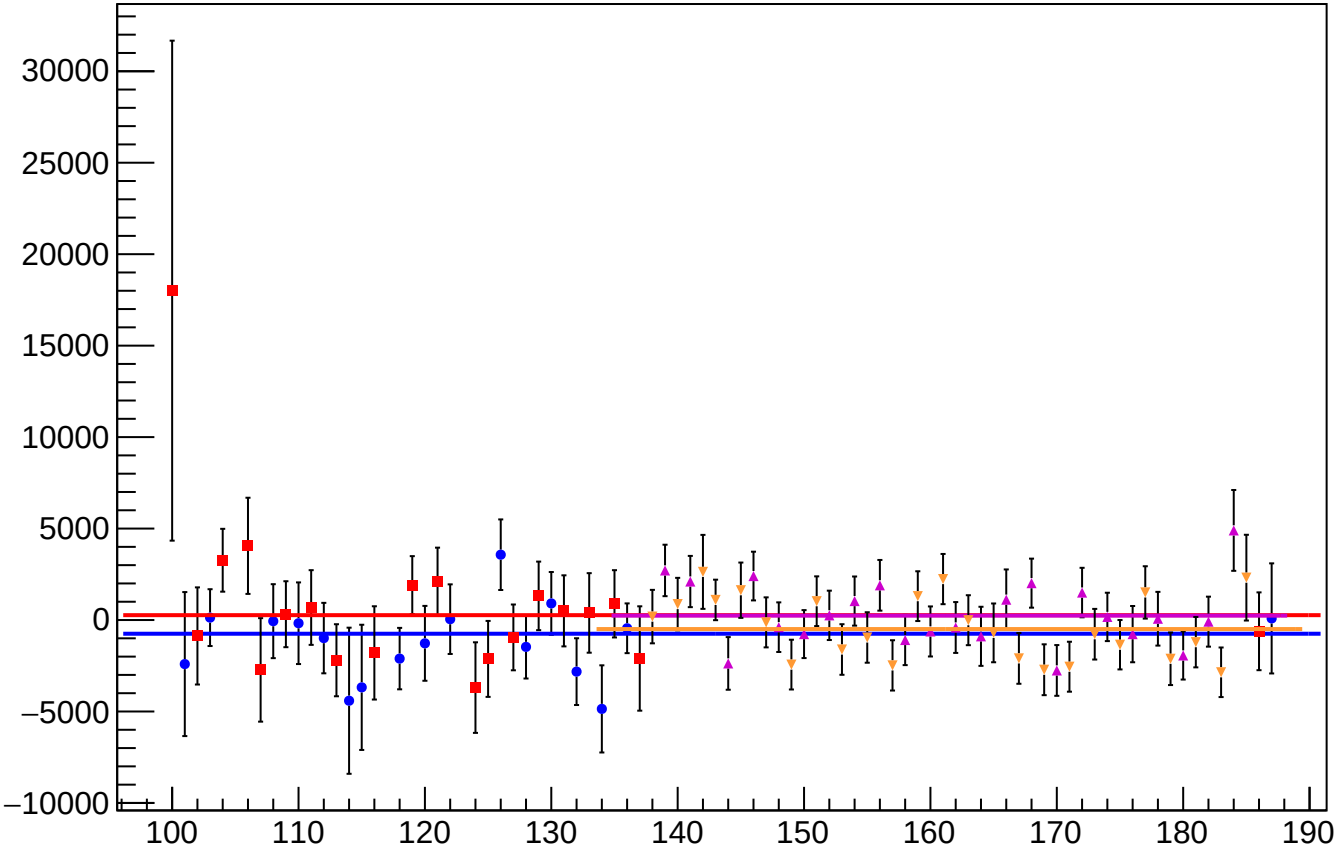
Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 271.894+/-0.042 χ^2/NDF: 11849044.2/41

All: 281.729+/-0.031 χ^2/NDF: 21647292.5/84

- sign 292.830+/-0.045 χ^2/NDF: 9683806.2/42

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -749.324+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

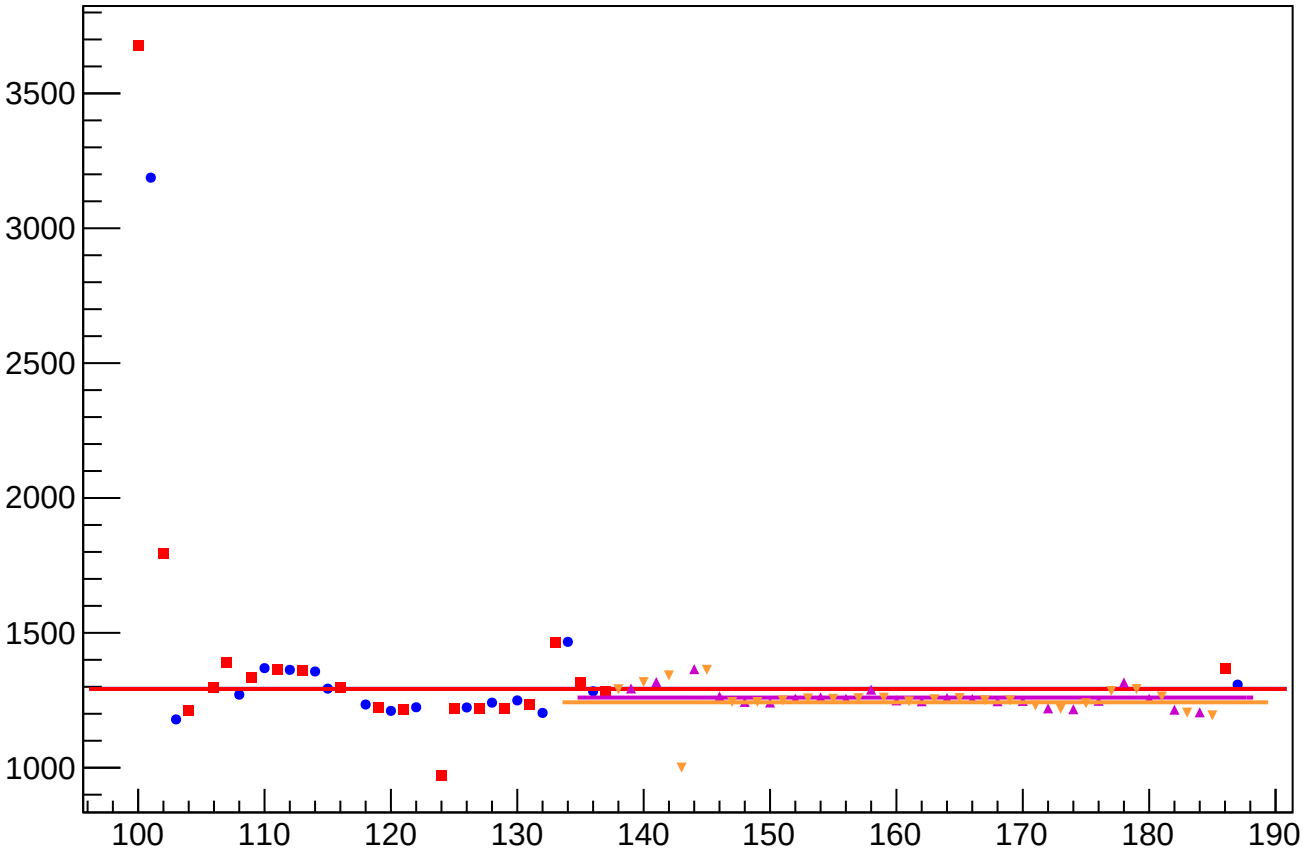
Right Out: 266.027+/-470.674 χ^2/NDF: 18.1/19

Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -558.690+/-244.035 χ^2/NDF: 48.1/41

All: -164.002+/-174.479 χ^2/NDF: 102.3/84

- sign 248.758+/-249.559 χ^2/NDF: 48.8/42



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

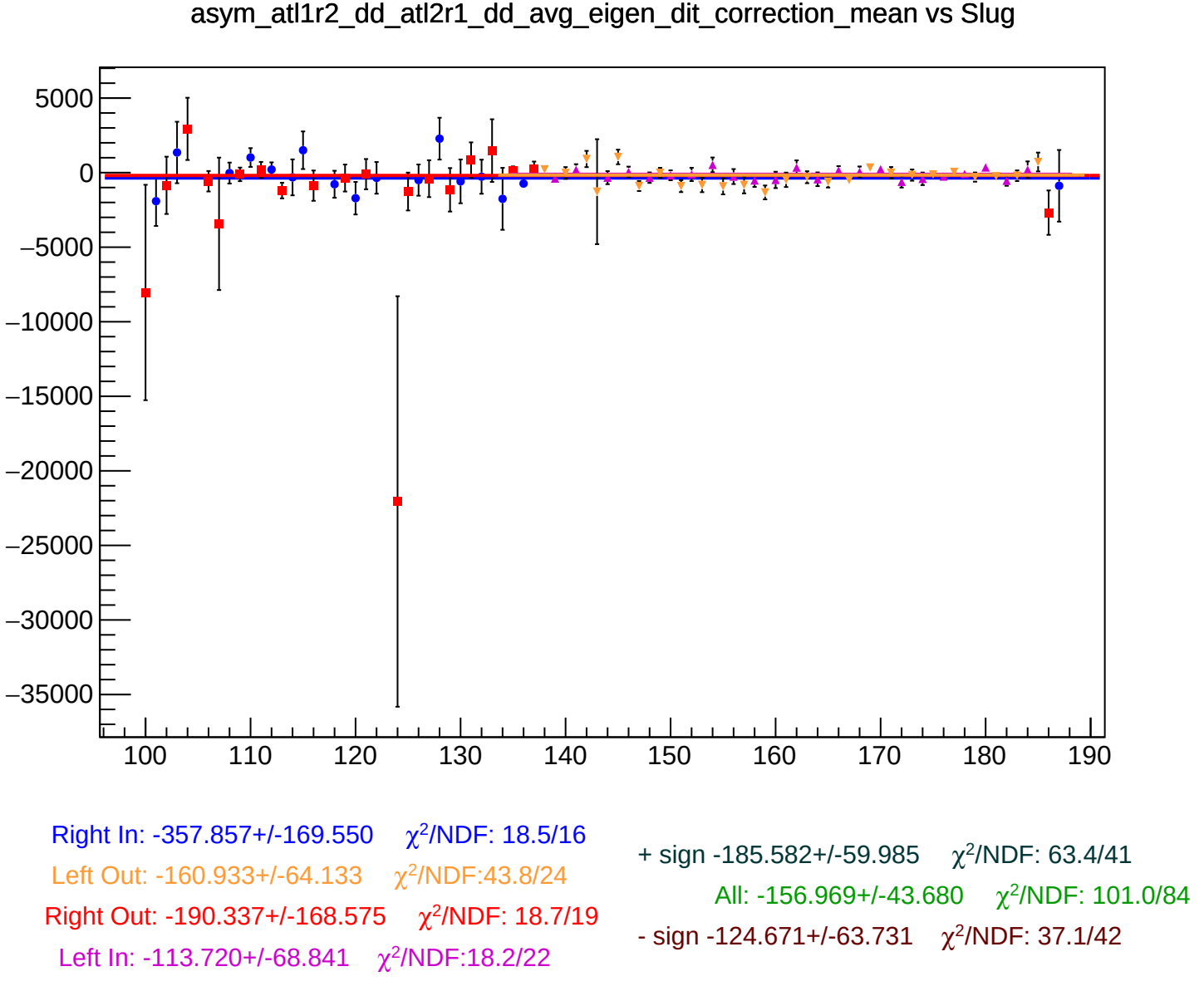
Right Out: 1291.913+/-0.333 χ^2/NDF: 211909.6/19

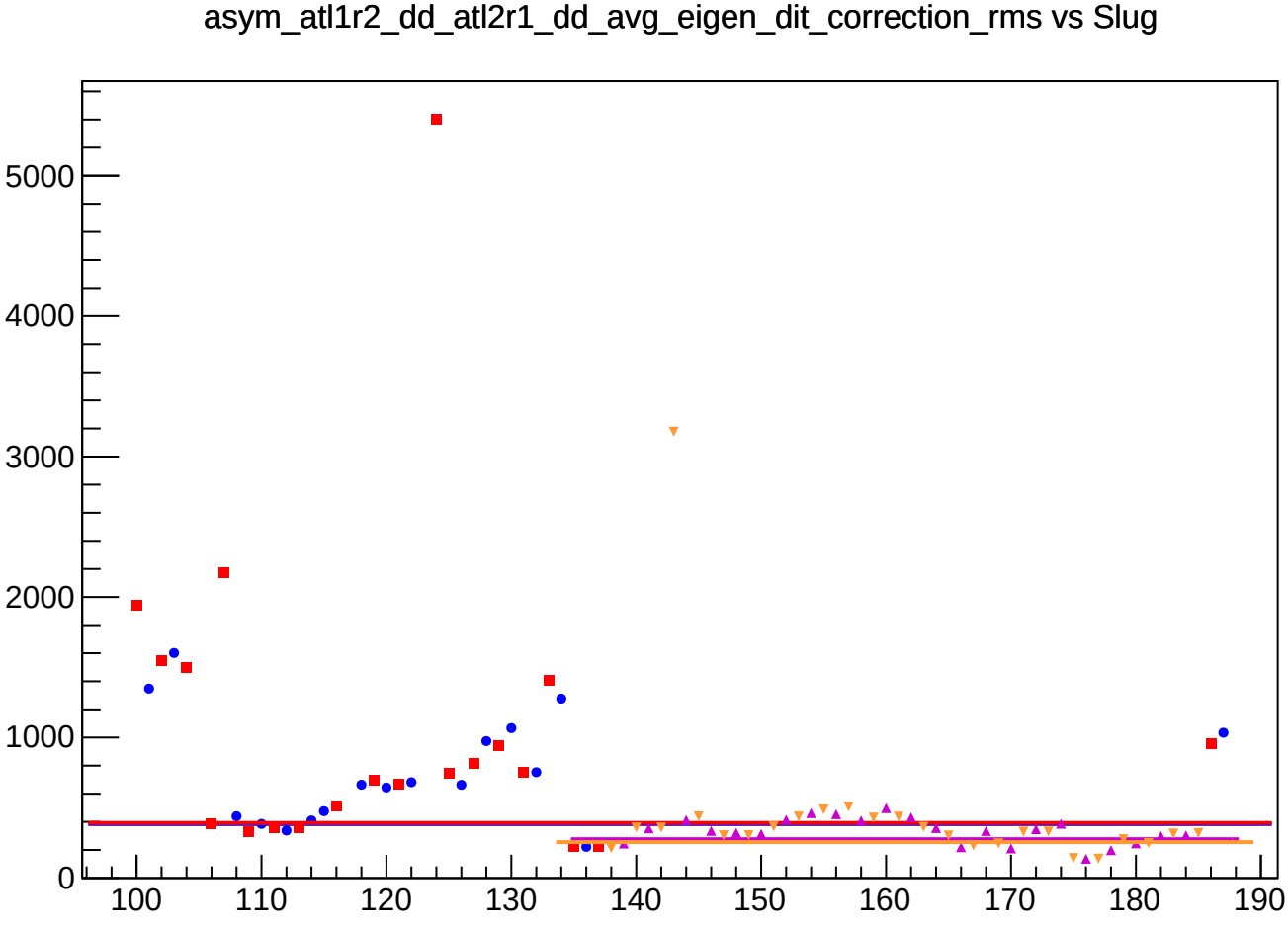
Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1255.267+/-0.173 χ^2/NDF: 655376.5/41

All: 1261.999+/-0.123 χ^2/NDF: 904902.9/84

- sign 1269.039+/-0.176 χ^2/NDF: 246412.8/42


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
100
110
120
130
140
150
160
170
180
190
Right In: -357.857+/-169.550 χ²/NDF: 18.5/16
Left Out: -160.933+/-64.133 χ²/NDF:43.8/24
Right Out: -190.337+/-168.575 χ²/NDF: 18.7/19
Left In: -113.720+/-68.841 χ²/NDF:18.2/22
+ sign -185.582+/-59.985 χ²/NDF: 63.4/41
All: -156.969+/-43.680 χ²/NDF: 101.0/84
- sign -124.671+/-63.731 χ²/NDF: 37.1/42



Right In: 384.611+/-0.120 χ^2/NDF: 4464683.2/16

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 391.967+/-0.119 χ^2/NDF: 4849305.3/19

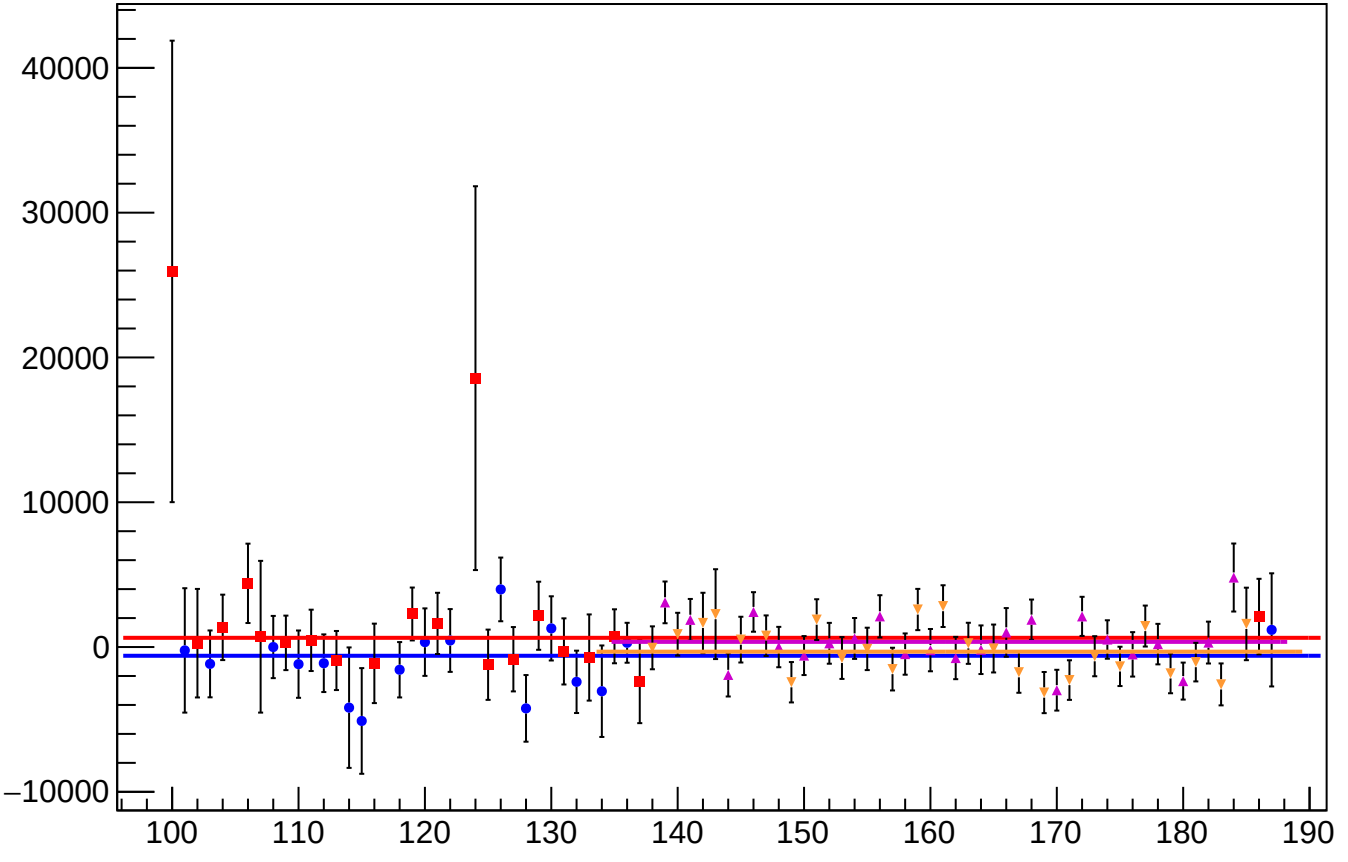
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 271.896+/-0.042 χ^2/NDF: 11848862.9/41

All: 281.730+/-0.031 χ^2/NDF: 21646996.4/84

- sign 292.831+/-0.045 χ^2/NDF: 9683701.2/42

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -603.500+/-558.568 χ^2/NDF: 12.7/16

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 636.546+/-553.846 χ^2/NDF: 11.7/19

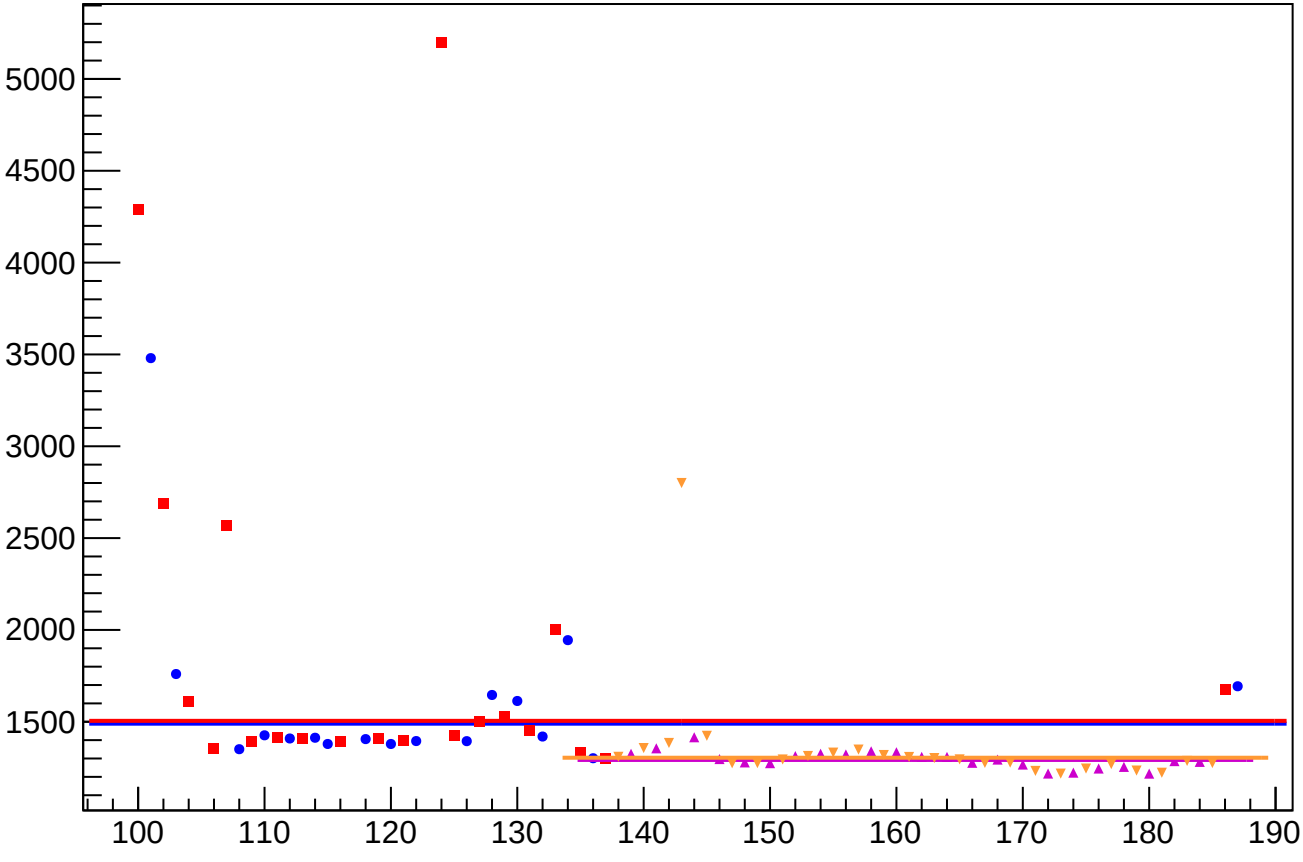
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -382.703+/-263.108 χ^2/NDF: 44.4/41

All: 15.934+/-186.738 χ^2/NDF: 90.6/84

- sign 420.563+/-265.078 χ^2/NDF: 41.5/42

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1489.621+/-0.395 χ^2/NDF: 590020.8/16

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

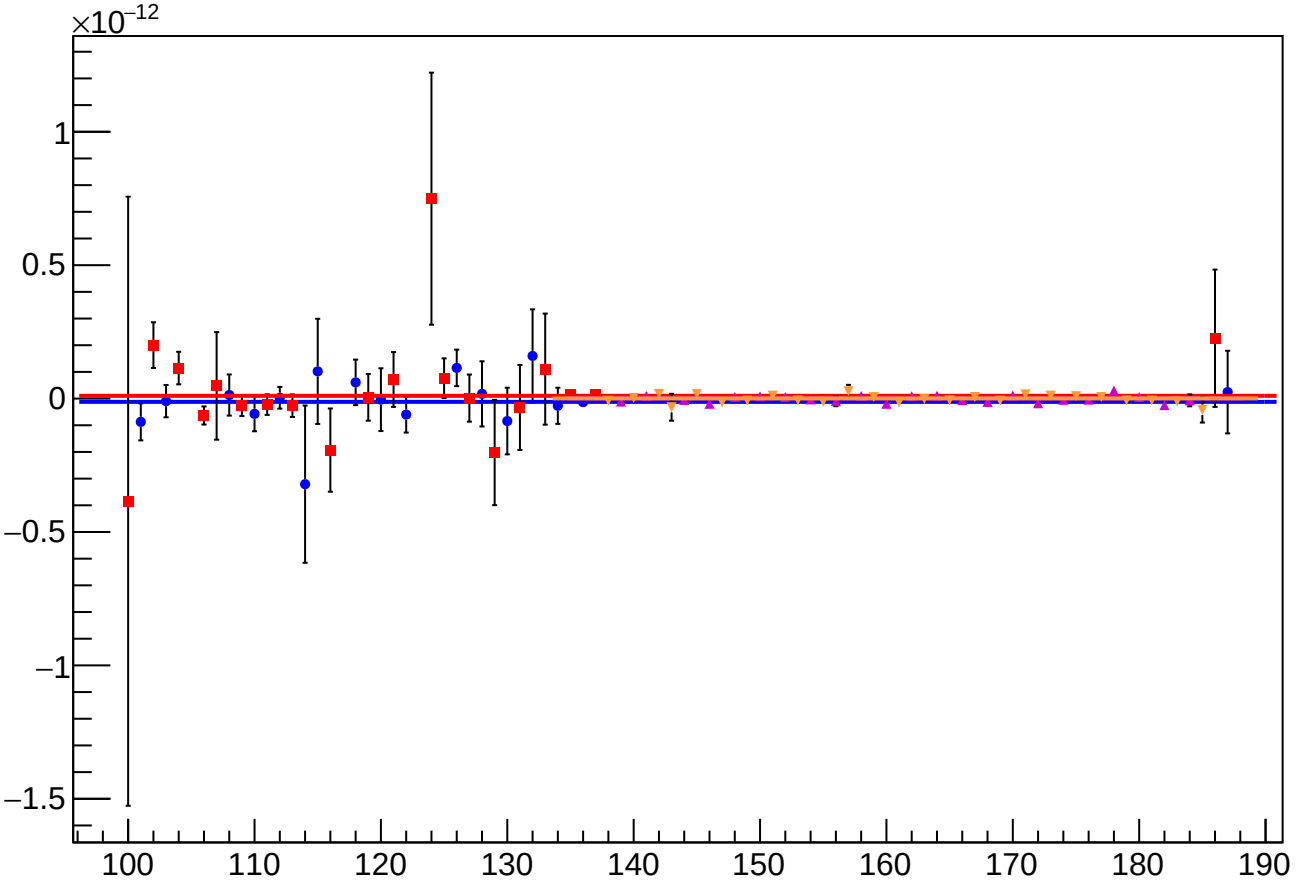
Right Out: 1504.994+/-0.392 χ^2/NDF: 632414.9/19

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1345.307+/-0.186 χ^2/NDF: 1281203.2/41

All: 1343.113+/-0.132 χ^2/NDF: 2190015.1/84

- sign 1340.886+/-0.187 χ^2/NDF: 908531.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

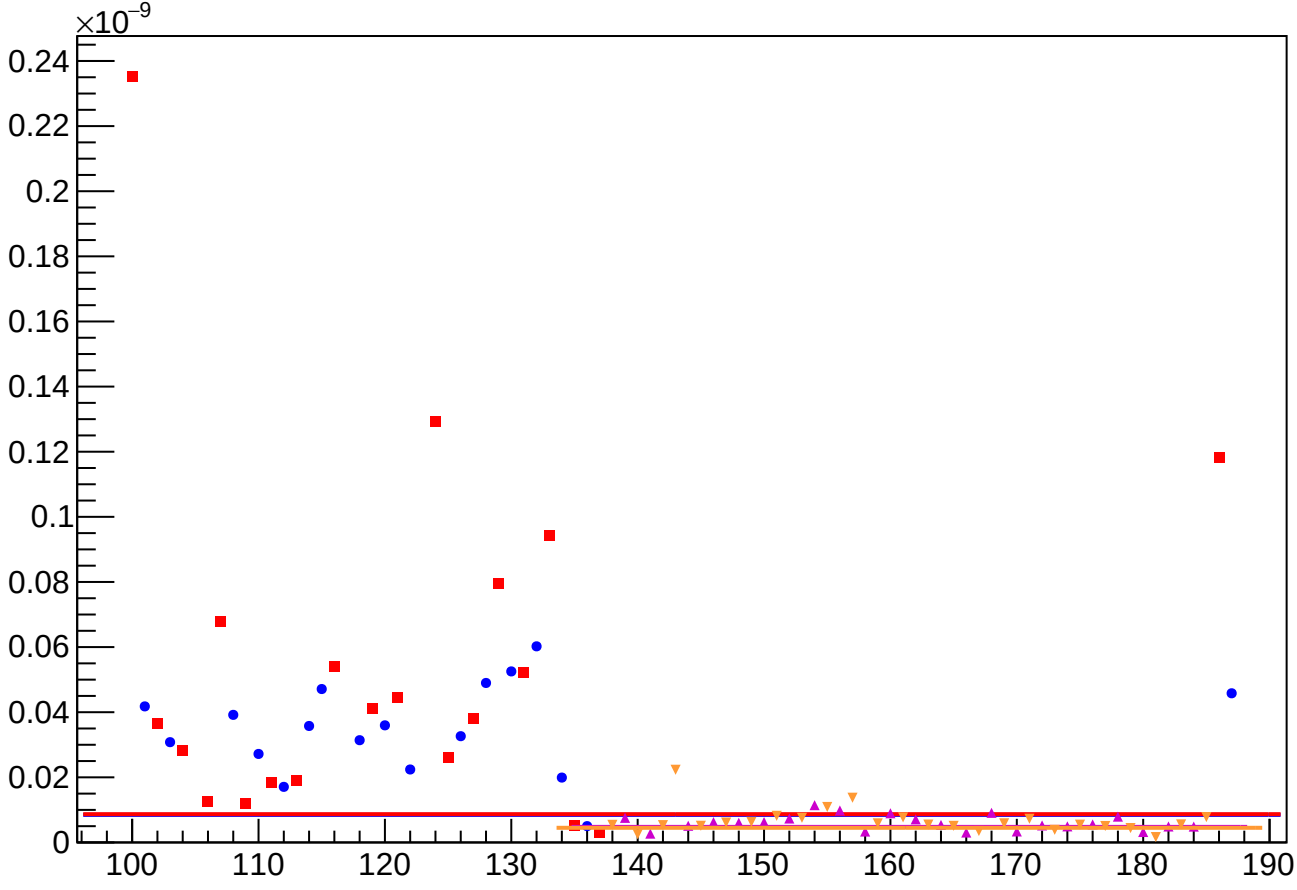
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/19

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.7/41

All: 0.000+/-0.000 χ^2/NDF: 91.0/84

- sign 0.000+/-0.000 χ^2/NDF: 53.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 3176393.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

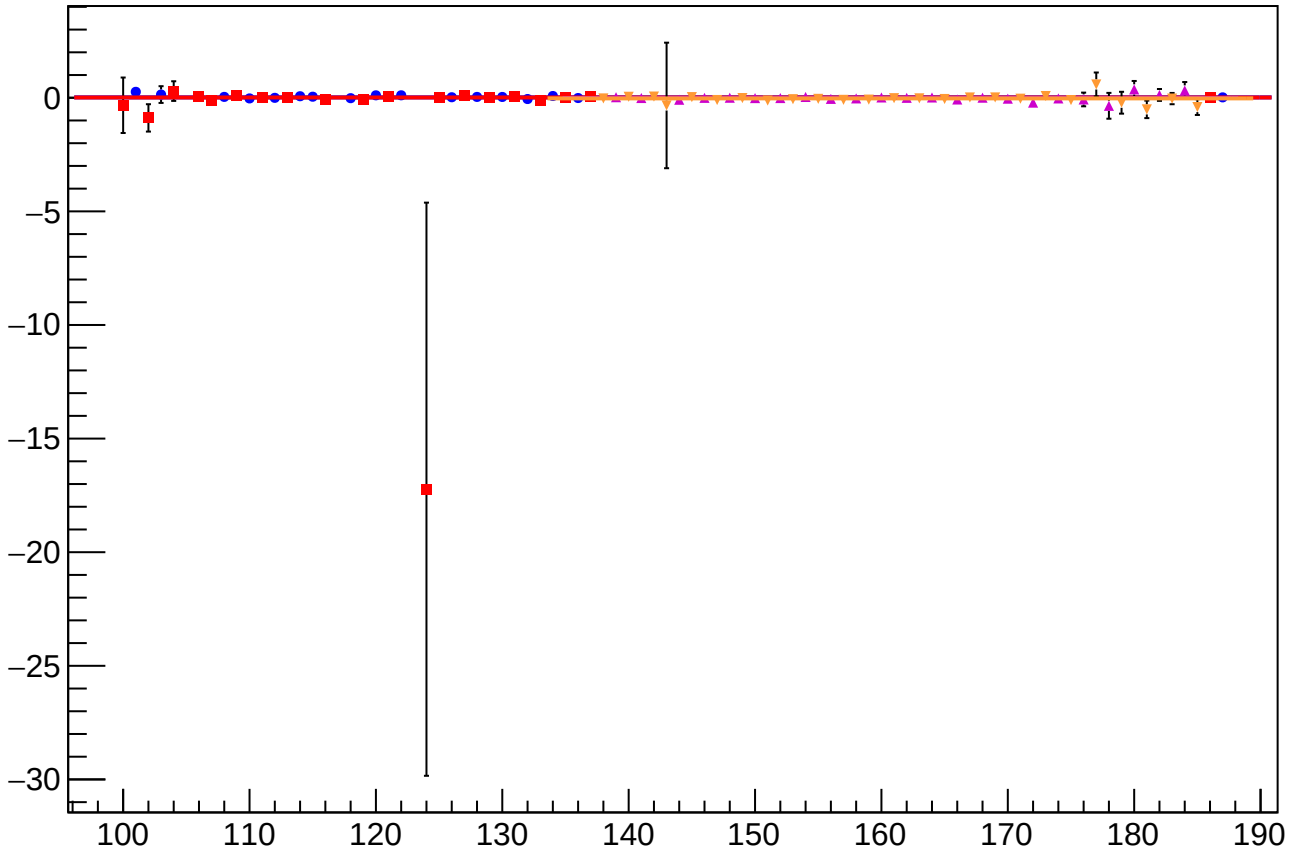
Right Out: 0.000+/-0.000 χ^2/NDF: 3711165.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 6428230.6/41

All: 0.000+/-0.000 χ^2/NDF: 12491906.2/84

- sign 0.000+/-0.000 χ^2/NDF: 6042763.7/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

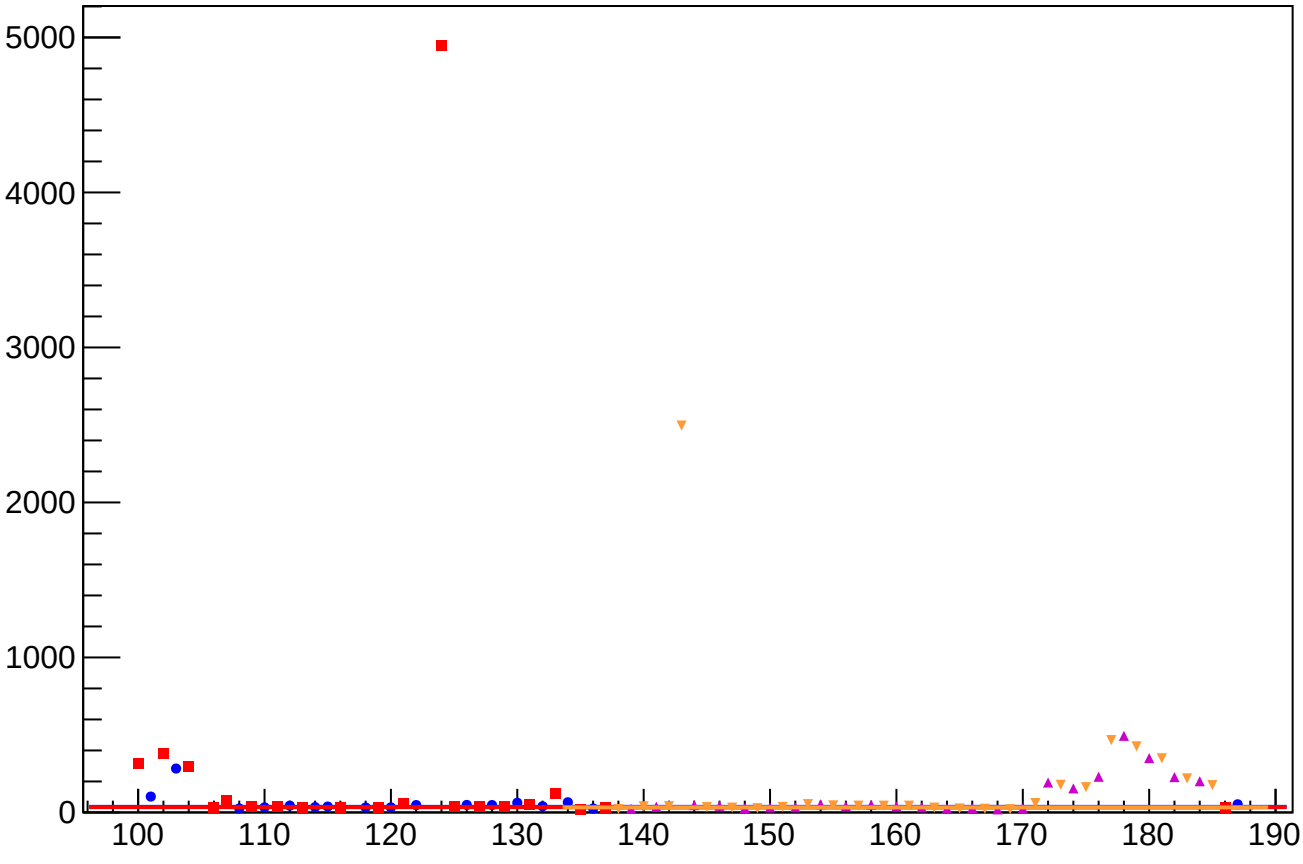
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/84

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

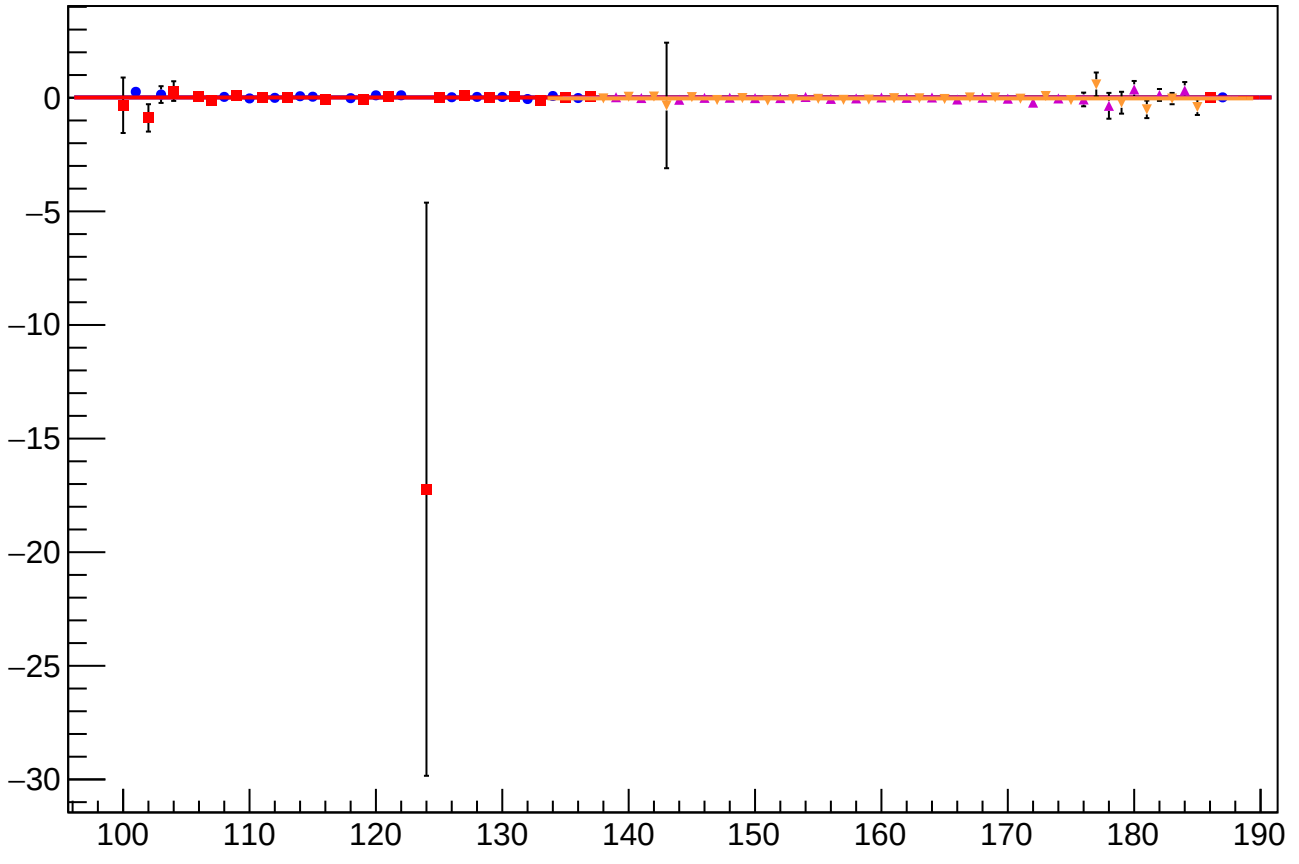
Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244847.8/41

All: 33.350+/-0.004 χ^2/NDF: 25163043.7/84

- sign 33.193+/-0.006 χ^2/NDF: 11916653.7/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

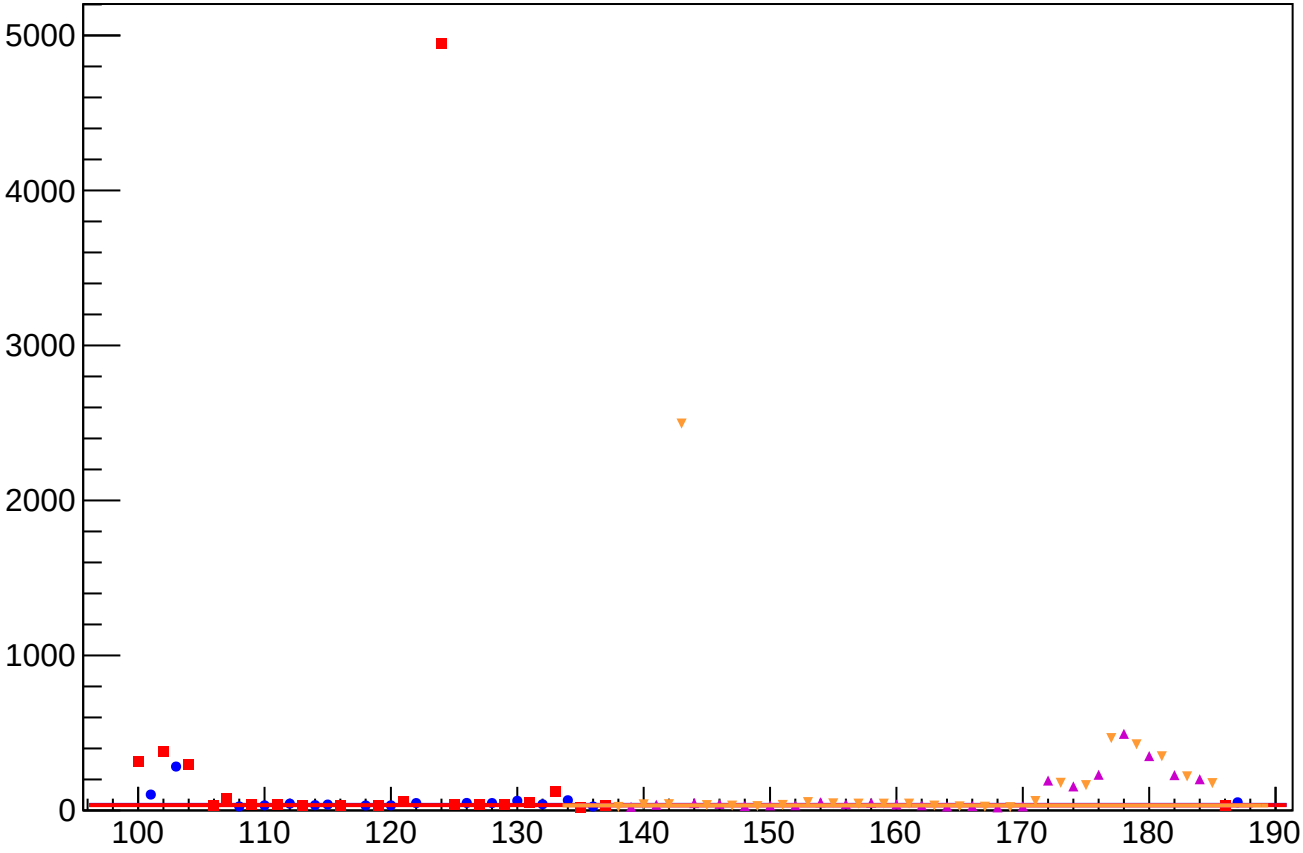
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/84

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

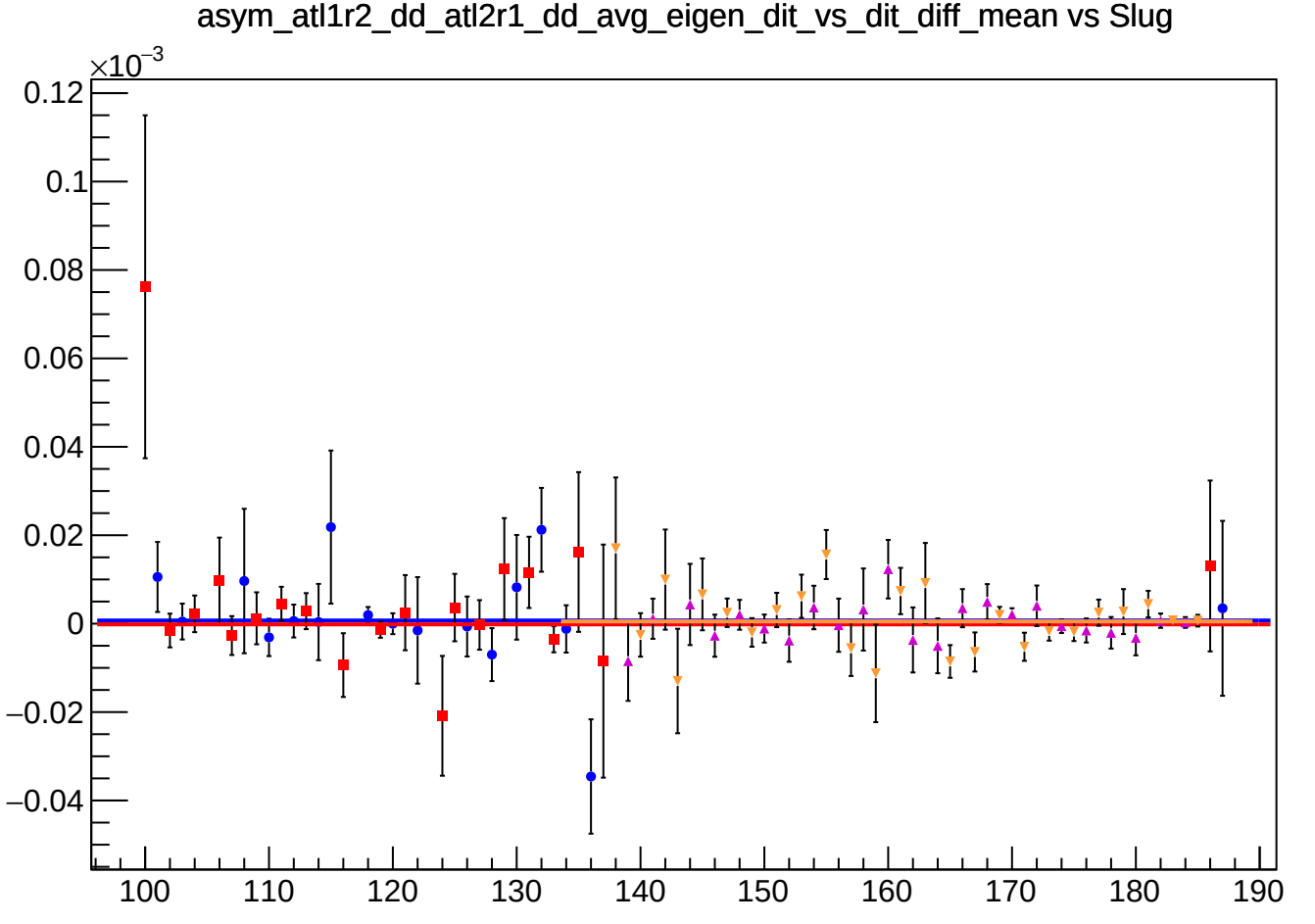
Right Out: 34.324+/-0.011 χ^2/NDF: 2937452.2/19

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244847.8/41

All: 33.350+/-0.004 χ^2/NDF: 25163043.7/84

- sign 33.193+/-0.006 χ^2/NDF: 11916653.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

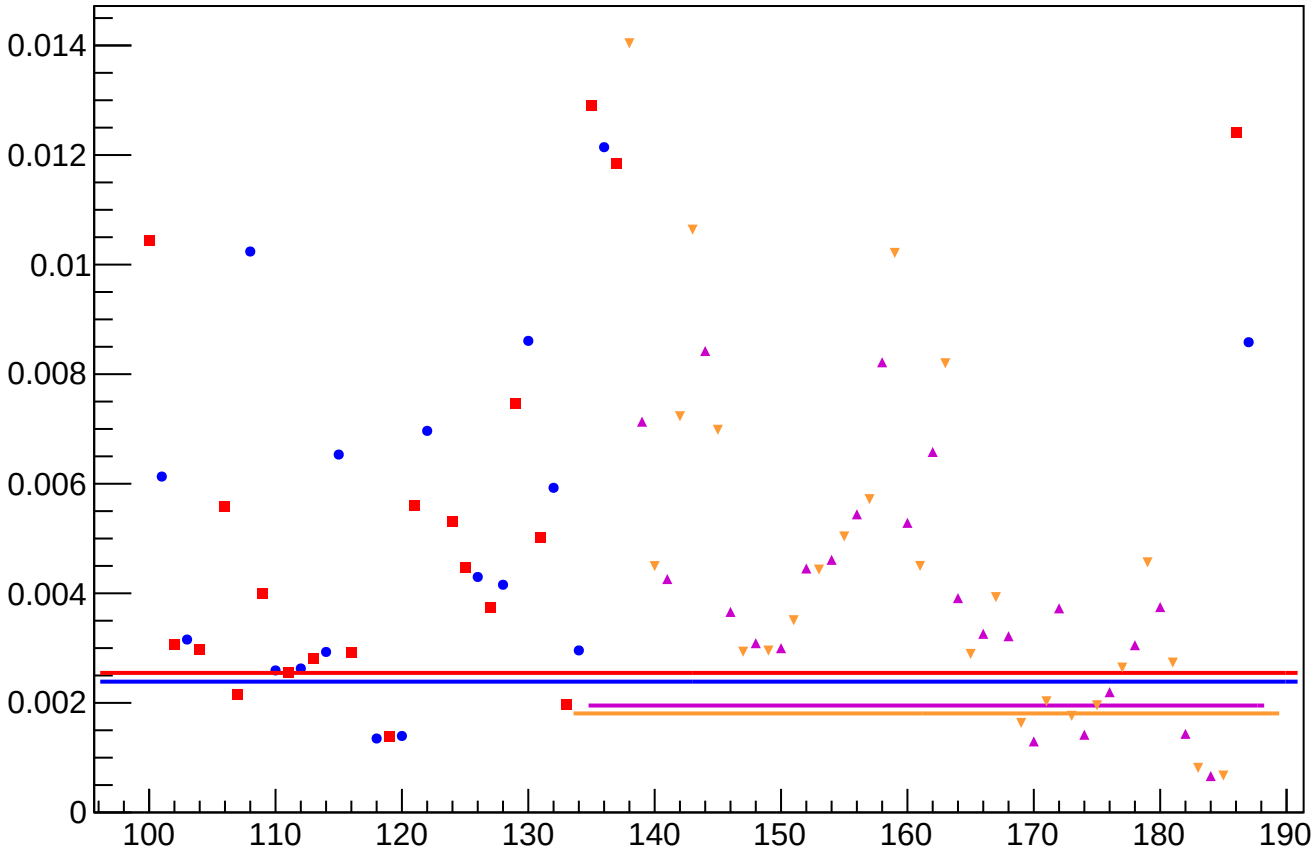
Right Out: -0.000+/-0.000 χ^2/NDF: 18.6/19

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/41

All: 0.000+/-0.000 χ^2/NDF: 87.5/84

- sign 0.000+/-0.000 χ^2/NDF: 32.5/42



Right In: 0.002+/-0.000 χ^2/NDF: 4918460.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

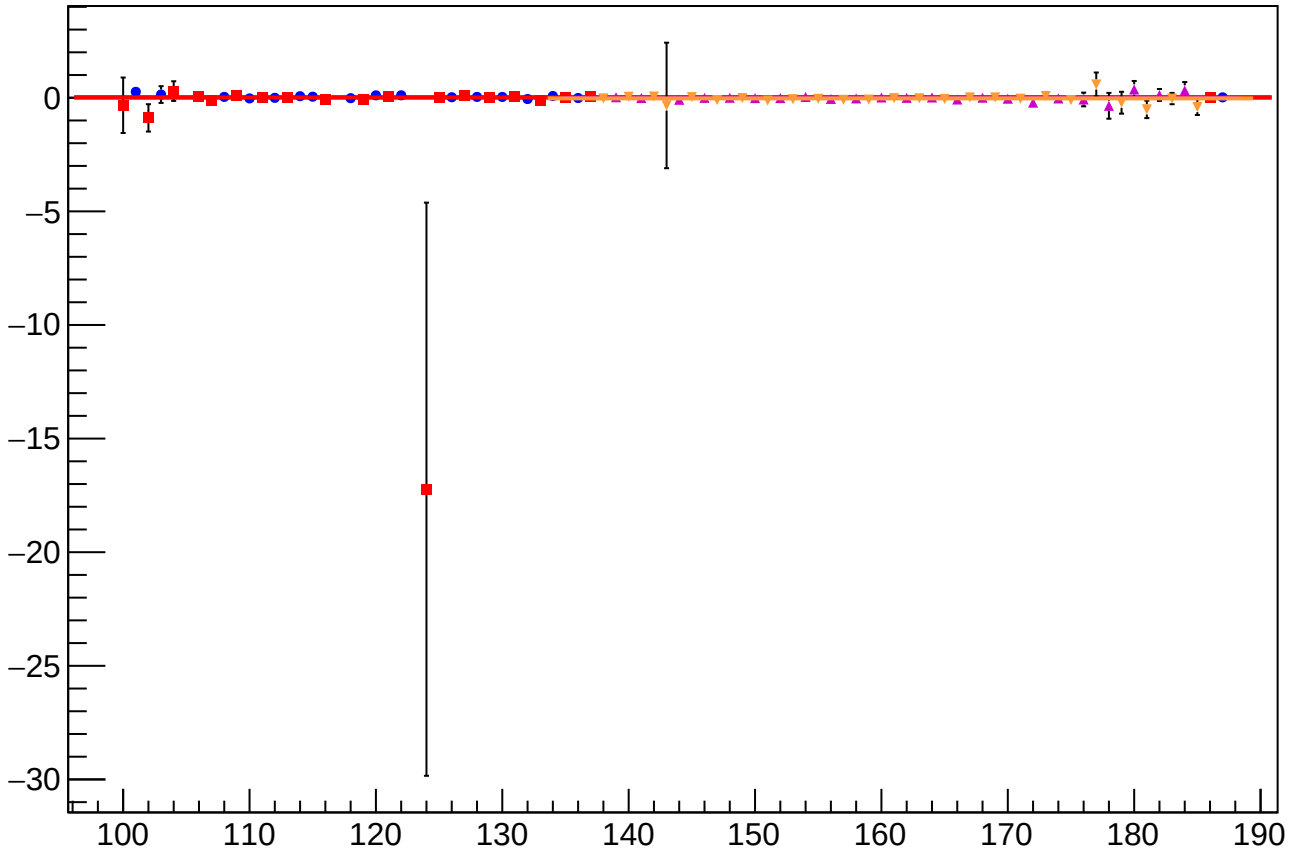
Right Out: 0.003+/-0.000 χ^2/NDF: 3919937.4/19

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 20302926.3/41

All: 0.002+/-0.000 χ^2/NDF: 36296468.3/84

- sign 0.002+/-0.000 χ^2/NDF: 15879358.1/42



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

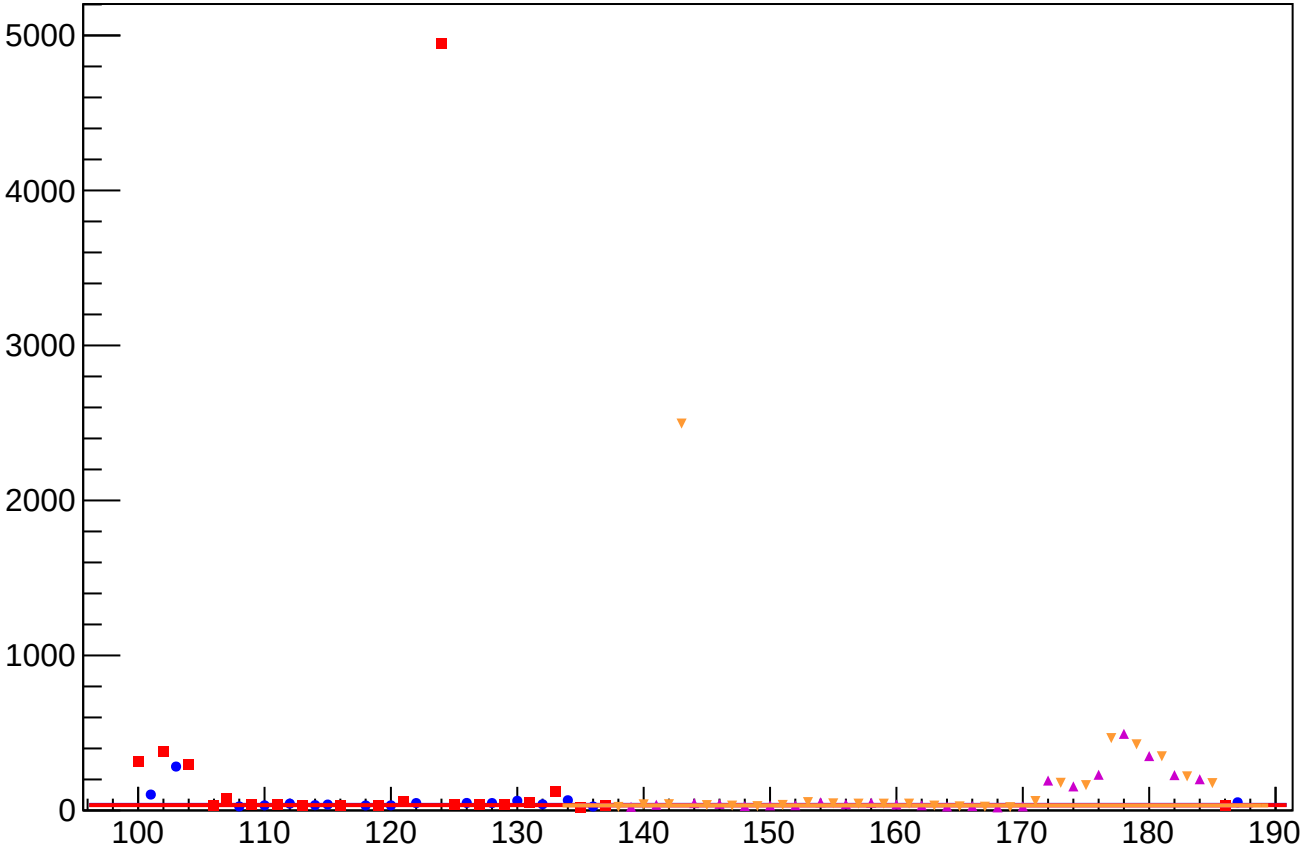
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/84

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

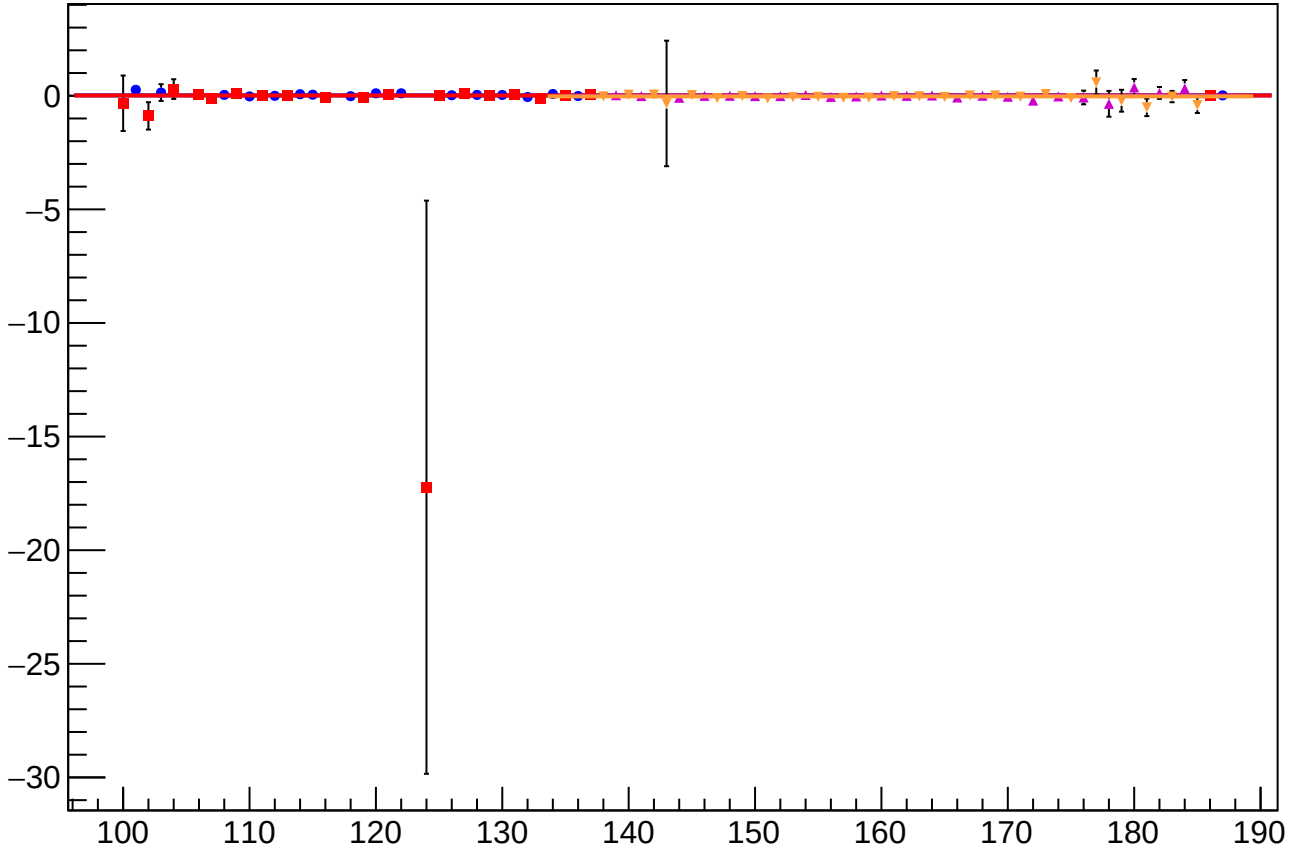
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244882.2/41

All: 33.349+/-0.004 χ^2/NDF: 25163602.9/84

- sign 33.192+/-0.006 χ^2/NDF: 11917169.0/42

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

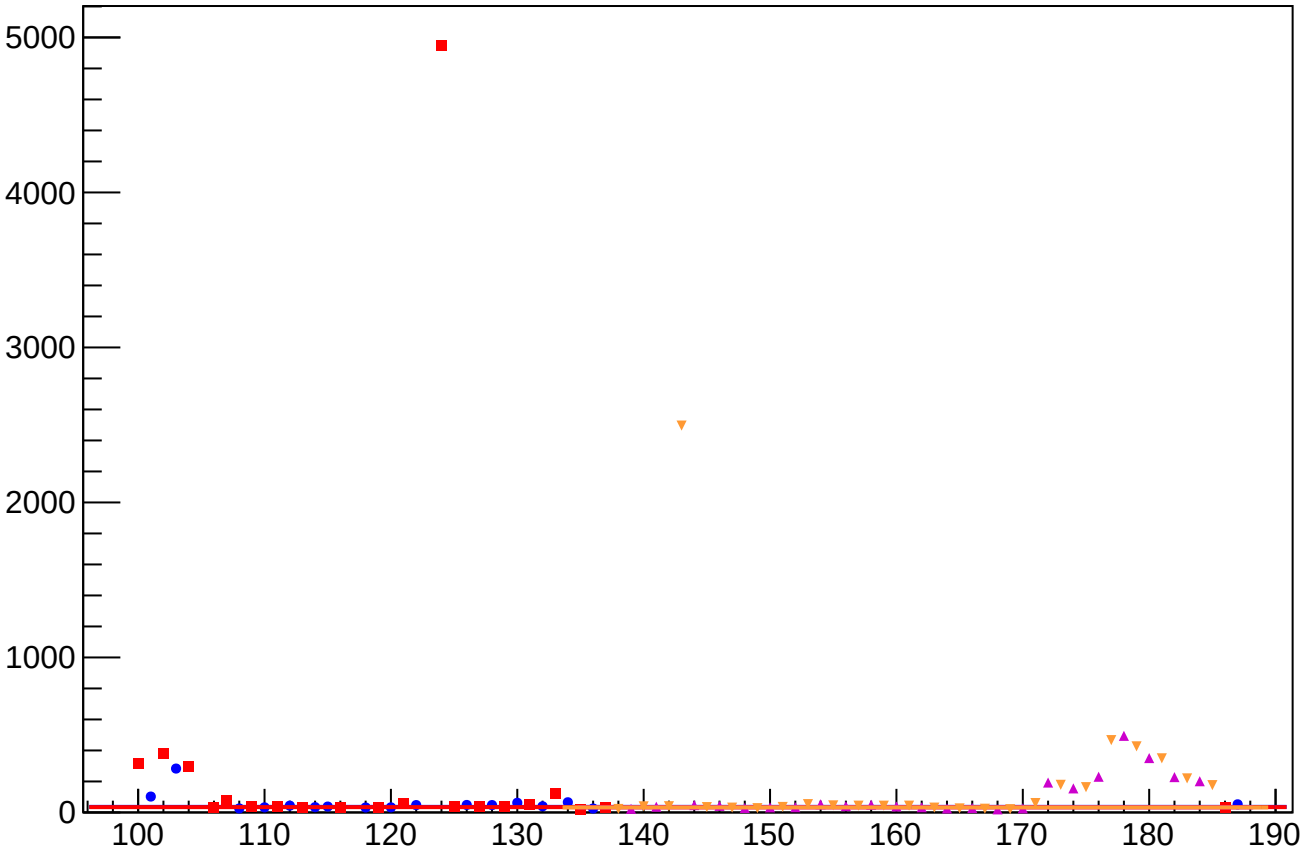
Right Out: 0.012+/-0.015 χ^2/NDF: 16.2/19

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.016+/-0.008 χ^2/NDF: 45.7/41

All: -0.010+/-0.006 χ^2/NDF: 77.7/84

- sign -0.004+/-0.008 χ^2/NDF: 31.0/42



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

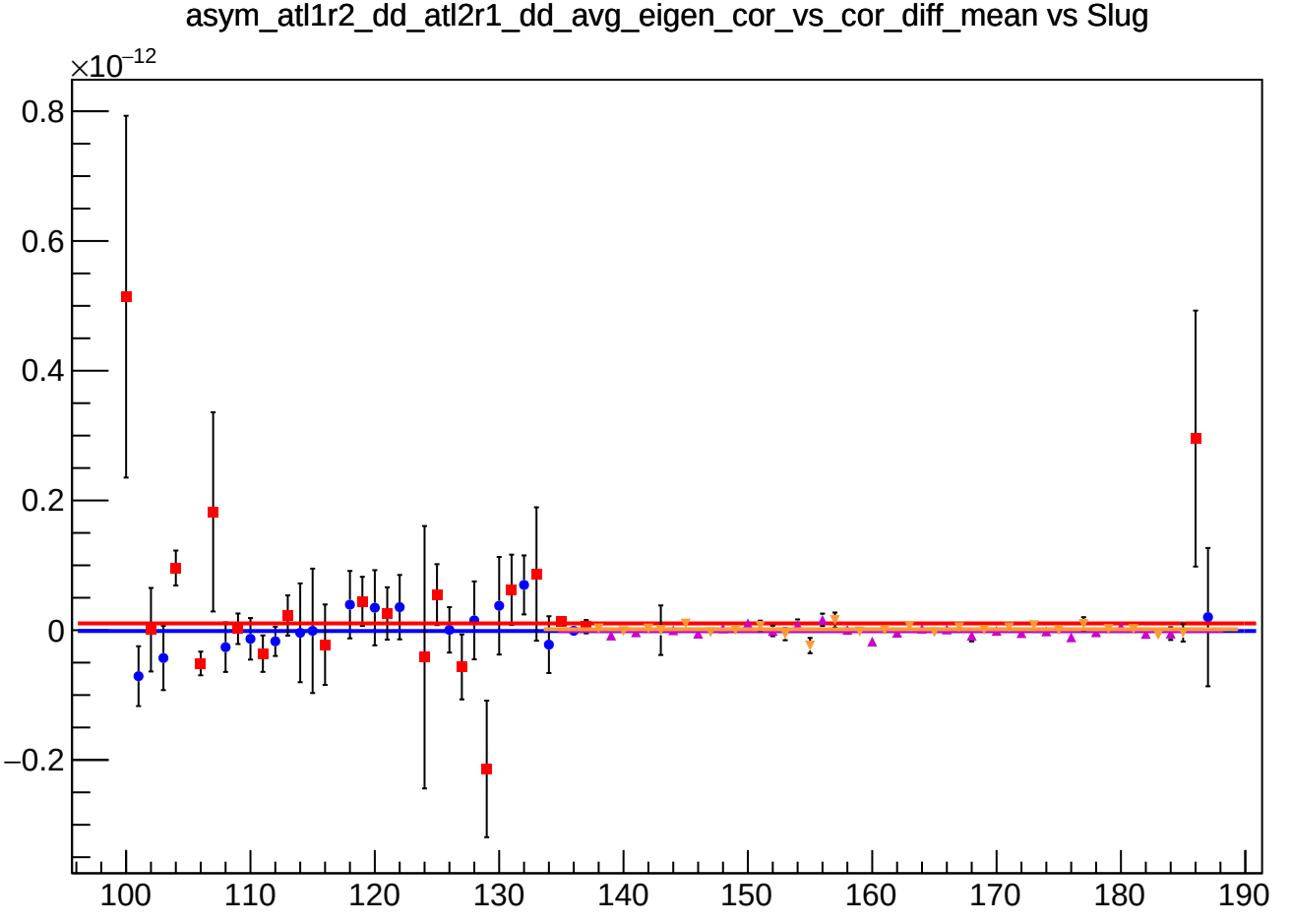
Right Out: 34.325+/-0.011 χ^2/NDF: 2937292.7/19

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 33.509+/-0.006 χ^2/NDF: 13244882.2/41

All: 33.349+/-0.004 χ^2/NDF: 25163602.9/84

- sign 33.192+/-0.006 χ^2/NDF: 11917169.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

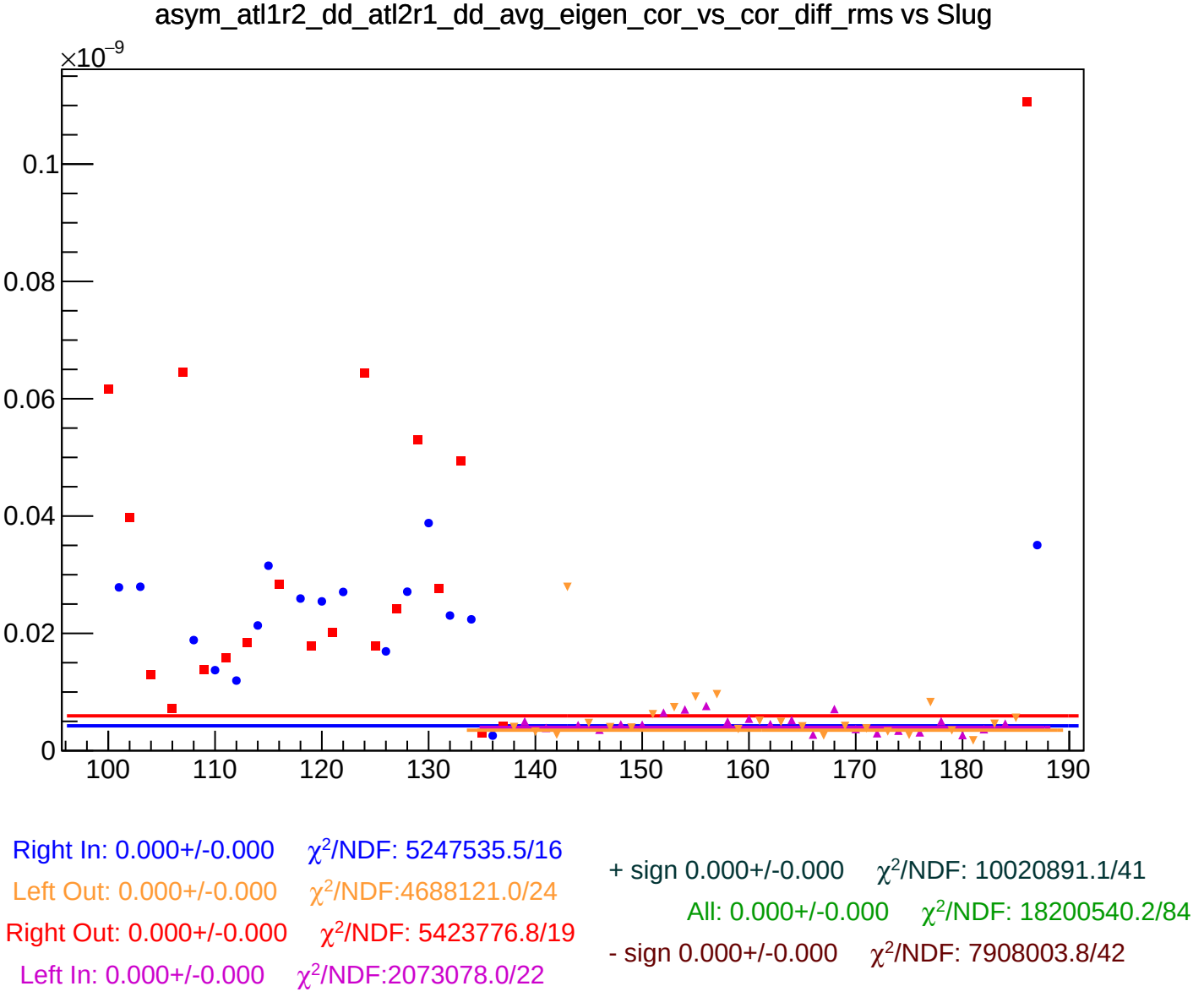
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/19

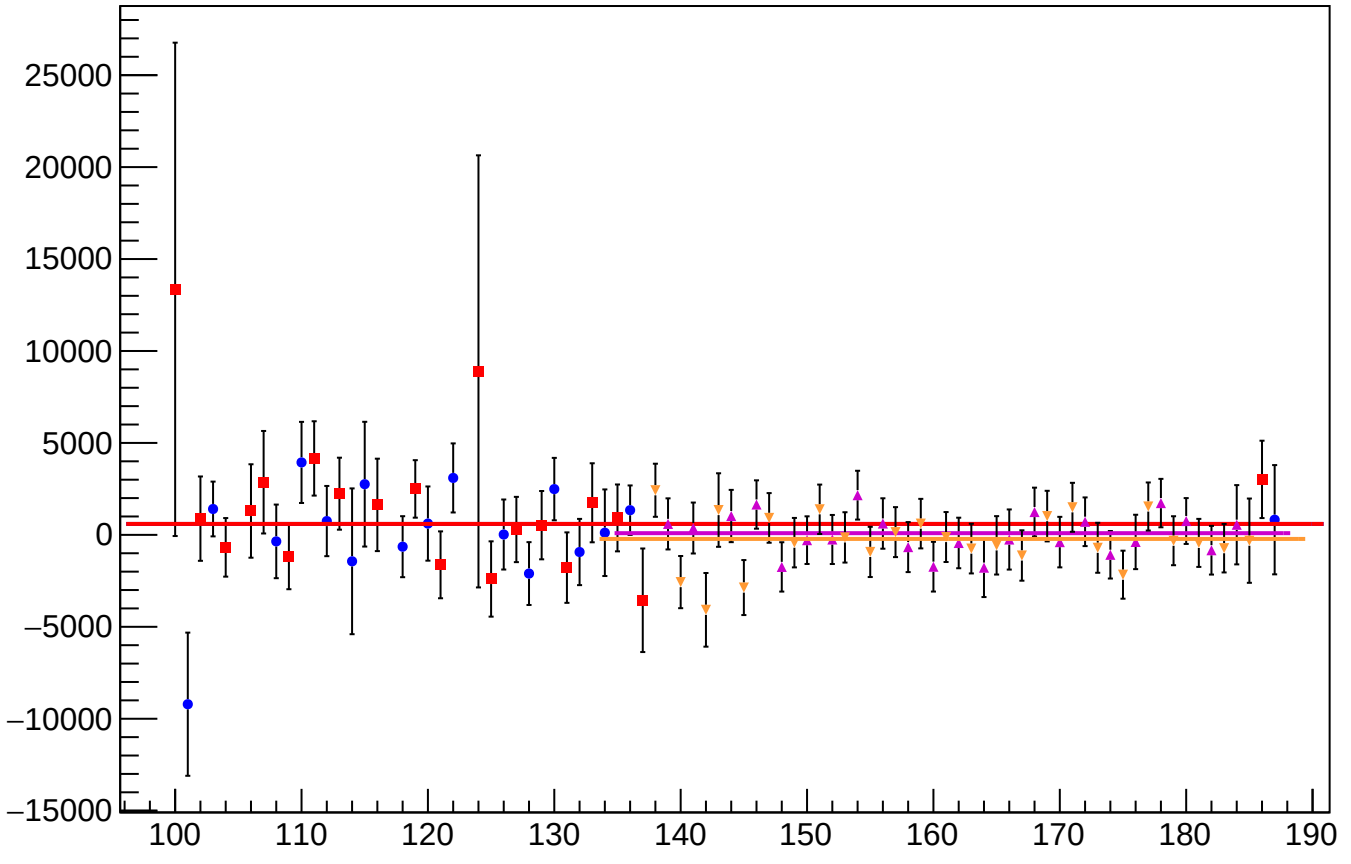
Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/41

All: 0.000+/-0.000 χ^2/NDF: 106.4/84

- sign -0.000+/-0.000 χ^2/NDF: 77.9/42


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5247535.5/16
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 5423776.8/19
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 10020891.1/41
All: 0.000+/-0.000 χ²/NDF: 18200540.2/84
- sign 0.000+/-0.000 χ²/NDF: 7908003.8/42



Right In: 593.024+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 595.367+/-468.449 χ^2/NDF: 18.2/19

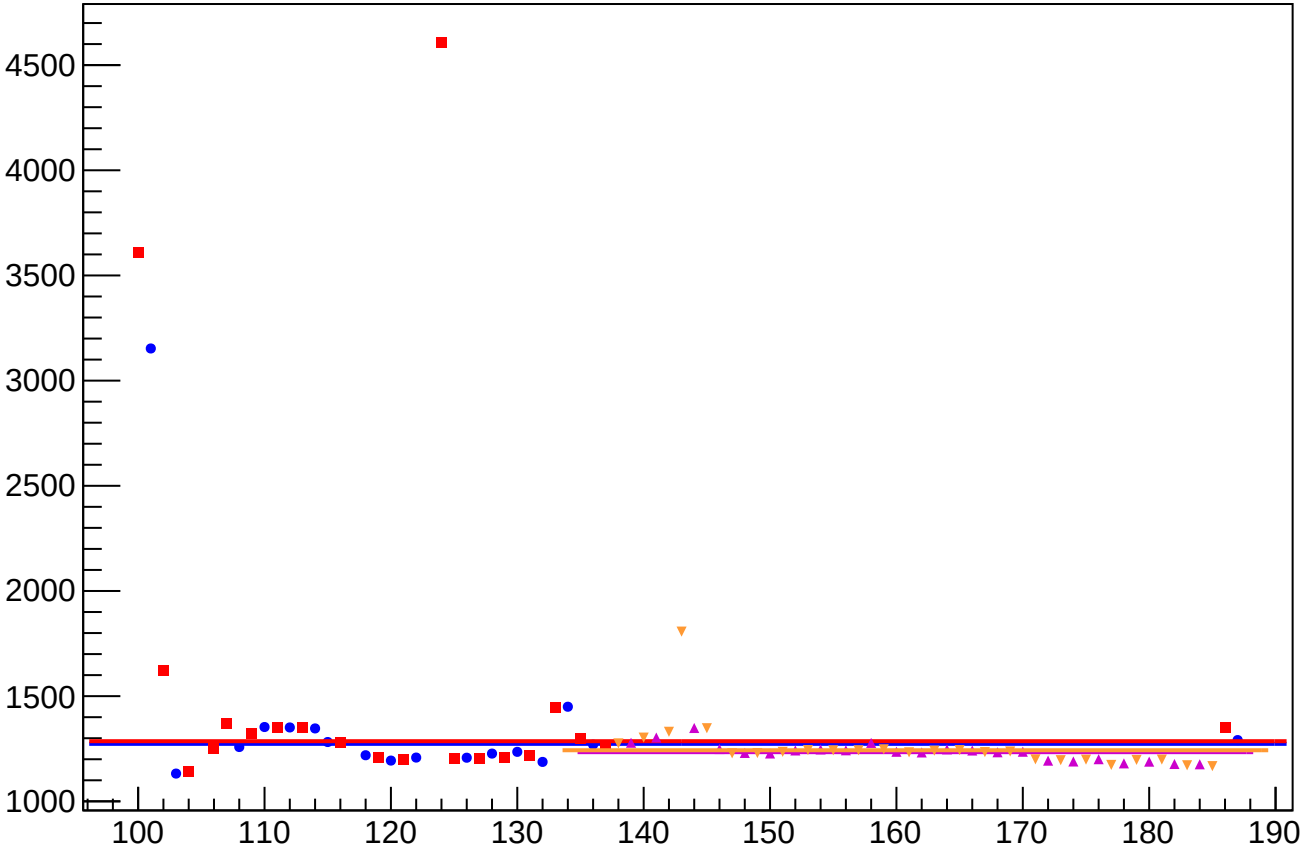
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

\+ sign -8.271+/-243.316 χ^2/NDF: 43.2/41

All: 110.066+/-172.809 χ^2/NDF: 77.4/84

\- sign 230.514+/-245.476 χ^2/NDF: 33.8/42

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519372.5/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

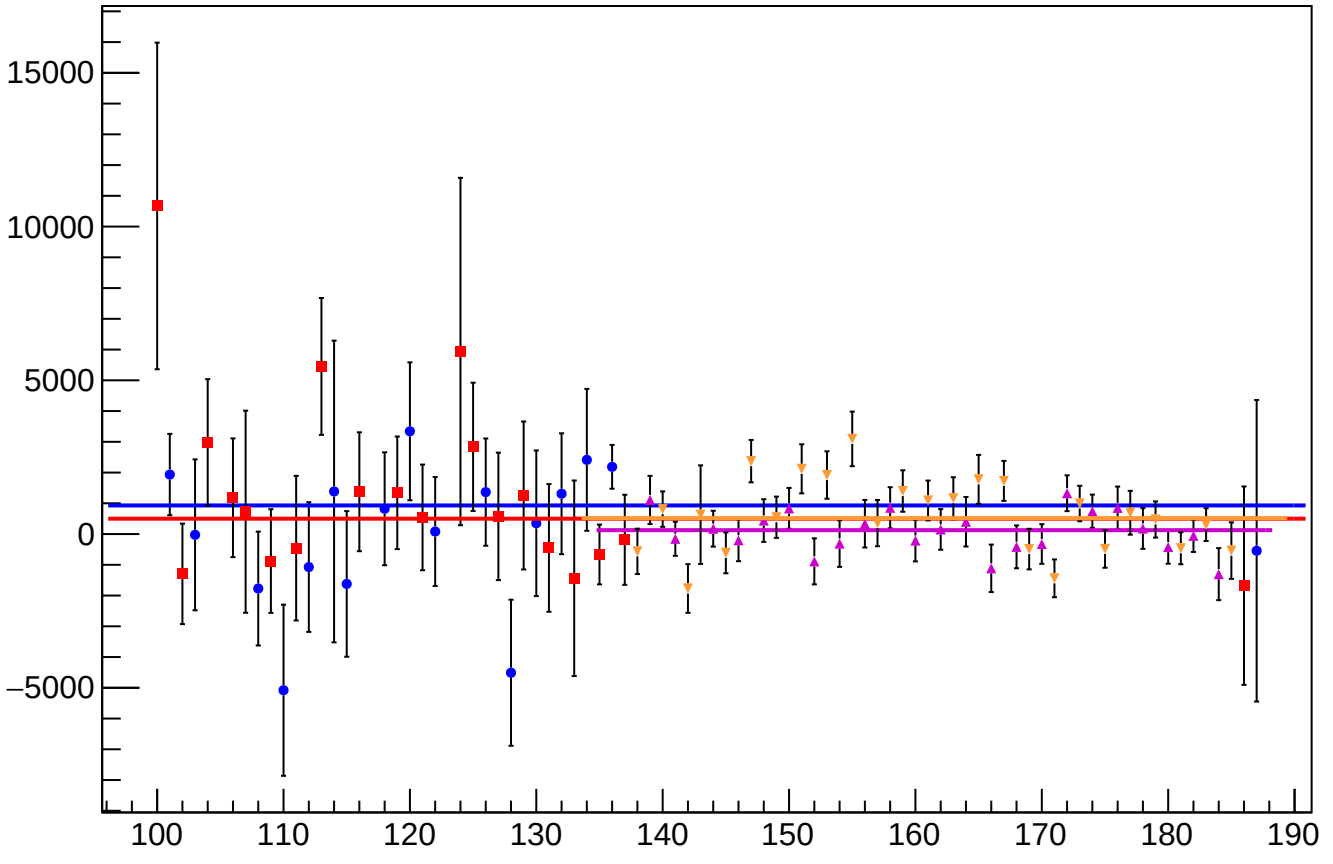
Right Out: 1285.878+/-0.331 χ^2/NDF: 324234.7/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728714.8/41

All: 1249.432+/-0.122 χ^2/NDF: 1110318.0/84

- sign 1248.066+/-0.174 χ^2/NDF: 381480.3/42



Right In: 930.636+/-424.240 χ^2/NDF: 20.0/16

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

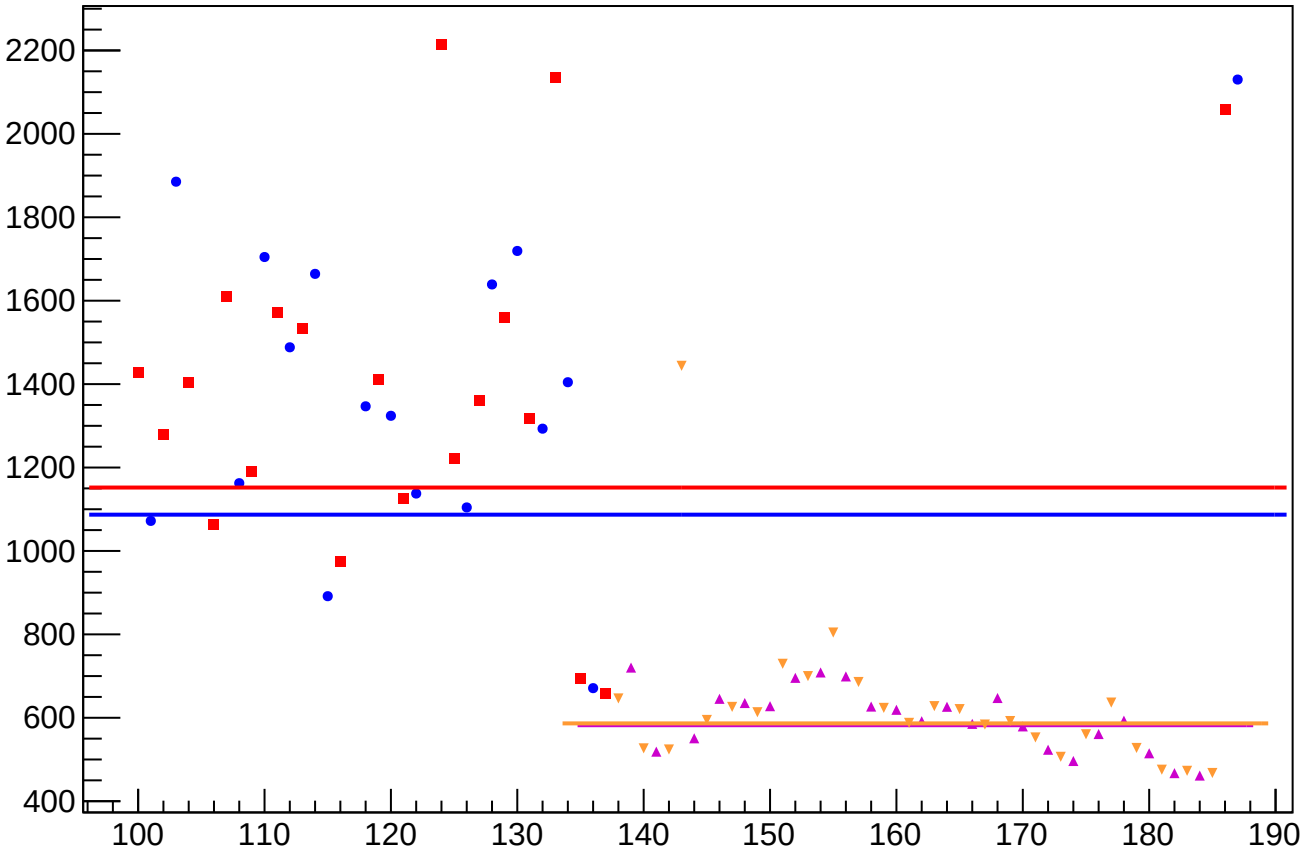
Right Out: 500.117+/-435.872 χ^2/NDF: 17.6/19

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 555.228+/-129.289 χ^2/NDF: 87.9/41

All: 360.238+/-91.995 χ^2/NDF: 132.3/84

- sign 160.274+/-130.927 χ^2/NDF: 39.9/42



Right In: 1086.989+/-0.300 χ^2/NDF: 1573454.6/16

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

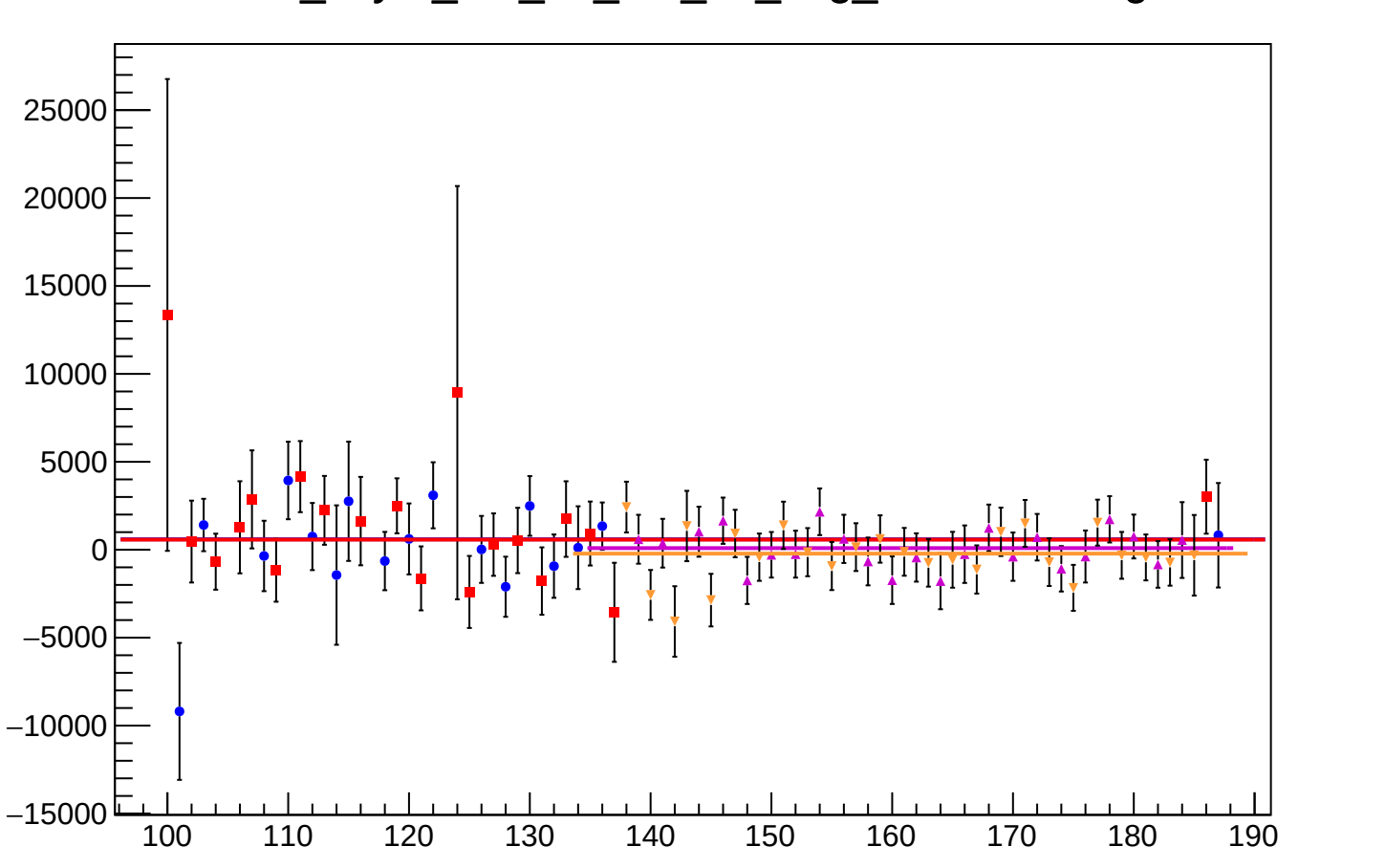
Right Out: 1152.023+/-0.308 χ^2/NDF: 1454083.5/19

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 633.035+/-0.091 χ^2/NDF: 5300799.6/41

All: 633.317+/-0.065 χ^2/NDF: 10424021.6/84

- sign 633.605+/-0.093 χ^2/NDF: 5123202.8/42



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.199+/-469.207 χ^2/NDF: 18.2/19

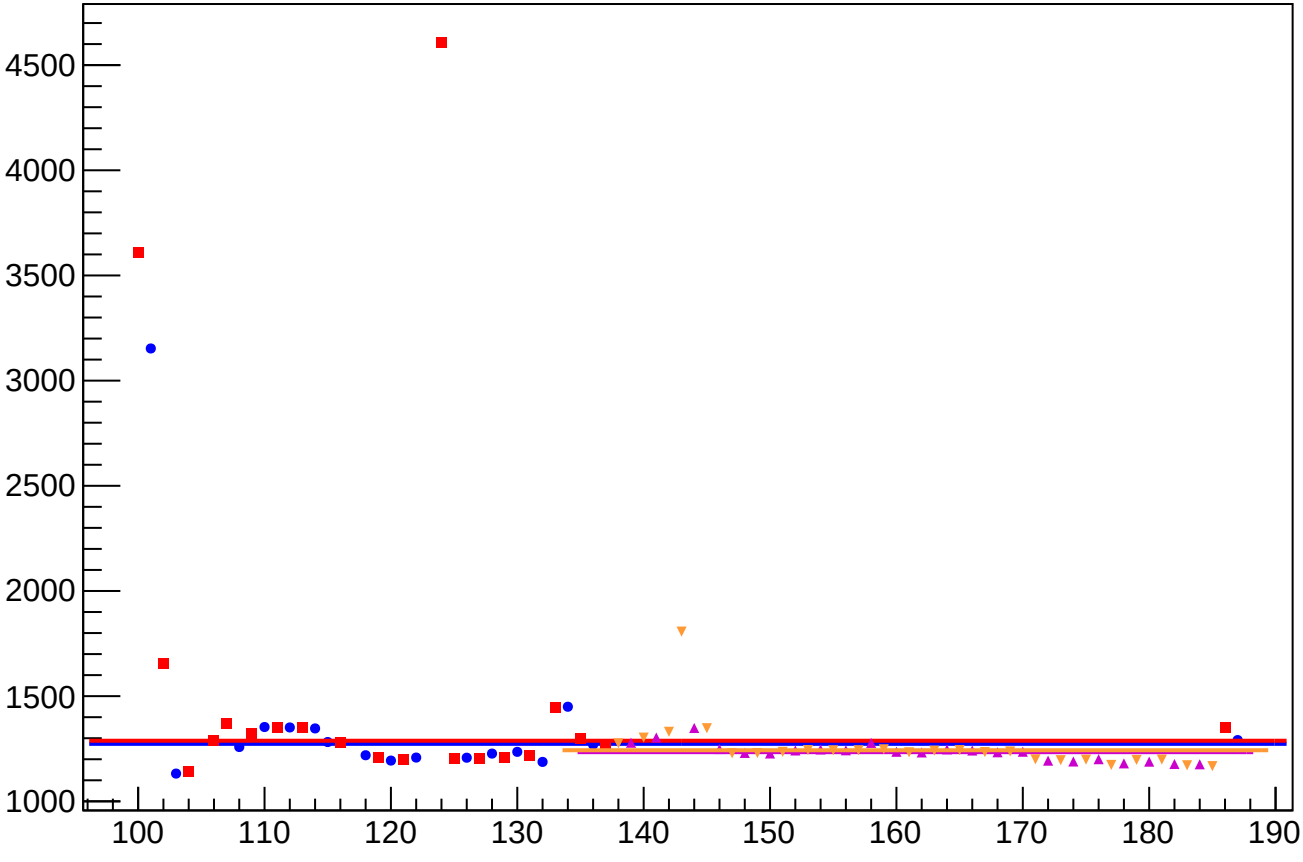
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -8.214+/-243.316 χ^2/NDF: 43.1/41

All: 107.306+/-172.847 χ^2/NDF: 77.3/84

\- sign 224.990+/-245.585 χ^2/NDF: 33.7/42

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

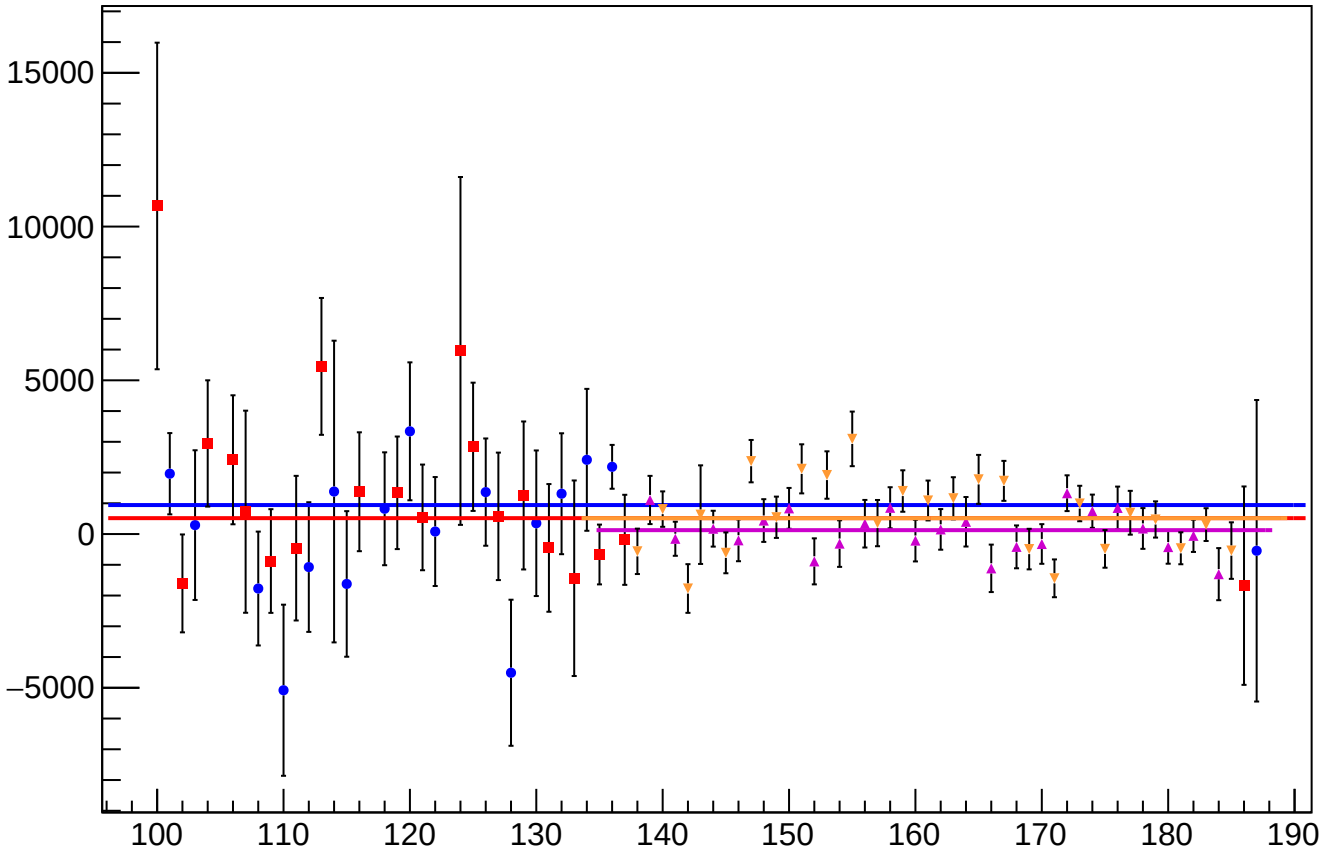
Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728716.1/41

All: 1249.713+/-0.122 χ^2/NDF: 1118285.4/84

- sign 1248.632+/-0.174 χ^2/NDF: 389492.4/42



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

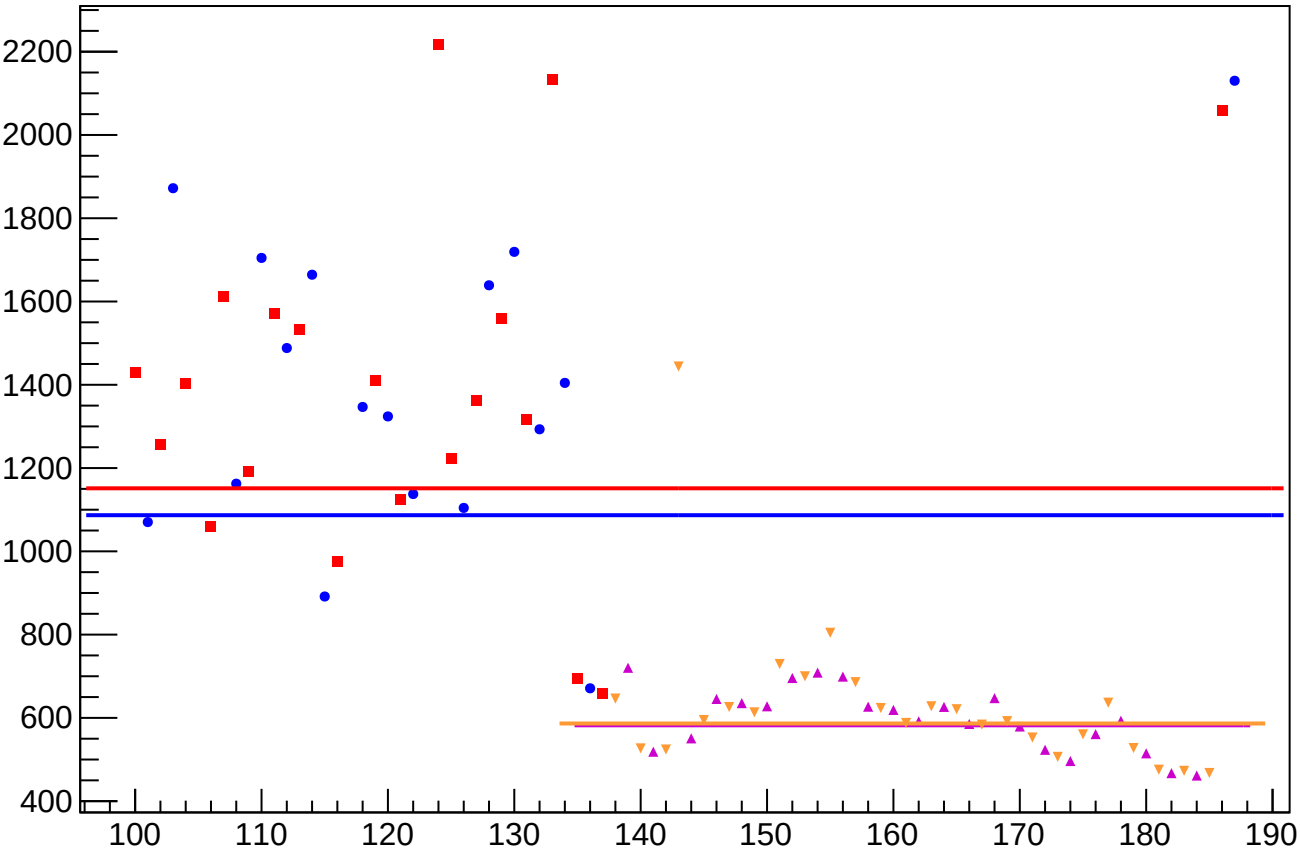
Right Out: 516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 556.418+/-129.285 χ^2/NDF: 87.9/41

All: 361.561+/-92.001 χ^2/NDF: 133.6/84

\- sign 161.653+/-130.949 χ^2/NDF: 41.1/42



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

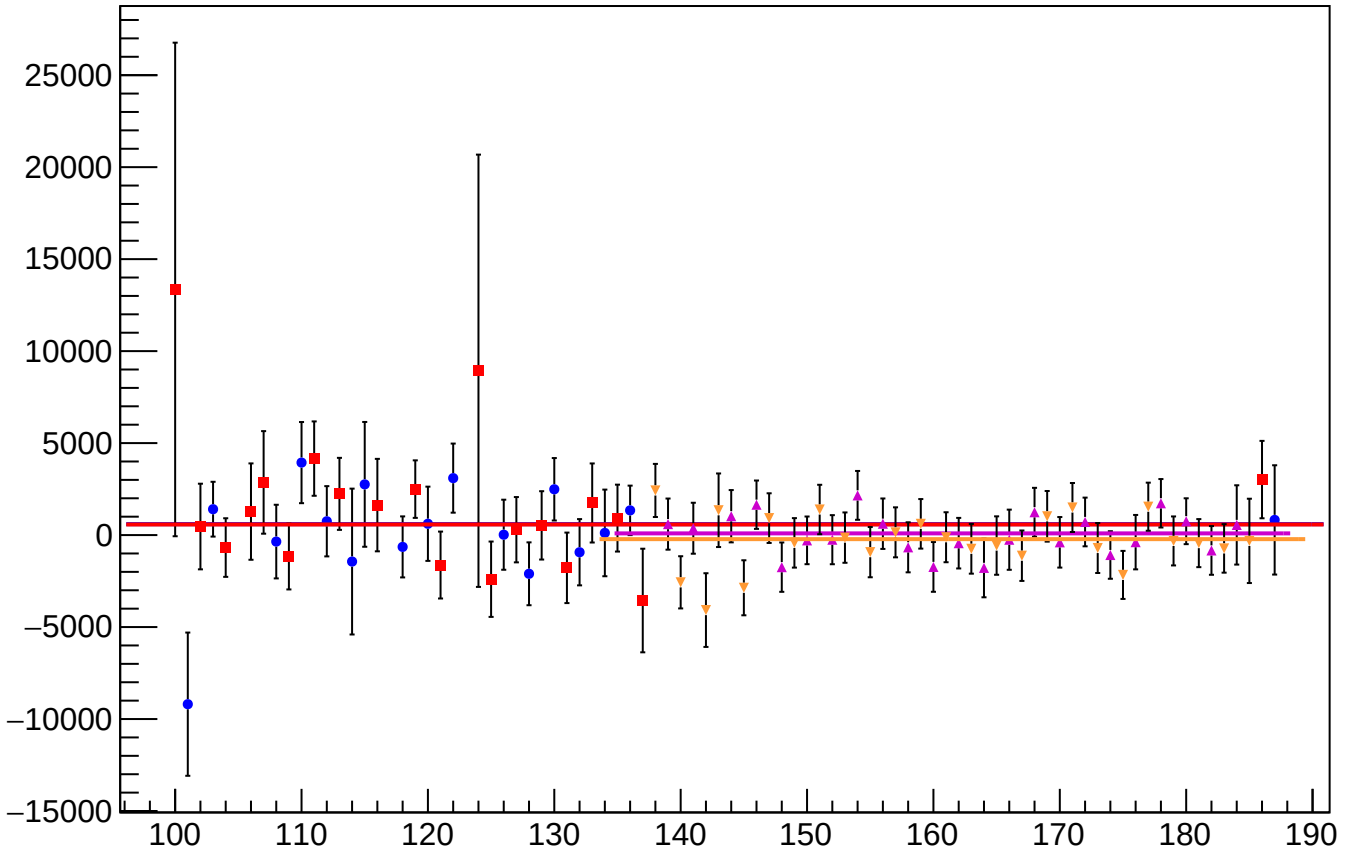
Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 633.056+/-0.091 χ^2/NDF: 5297113.9/41

All: 633.210+/-0.065 χ^2/NDF: 10398531.6/84

- sign 633.367+/-0.093 χ^2/NDF: 5101412.0/42



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.199+/-469.207 χ^2/NDF: 18.2/19

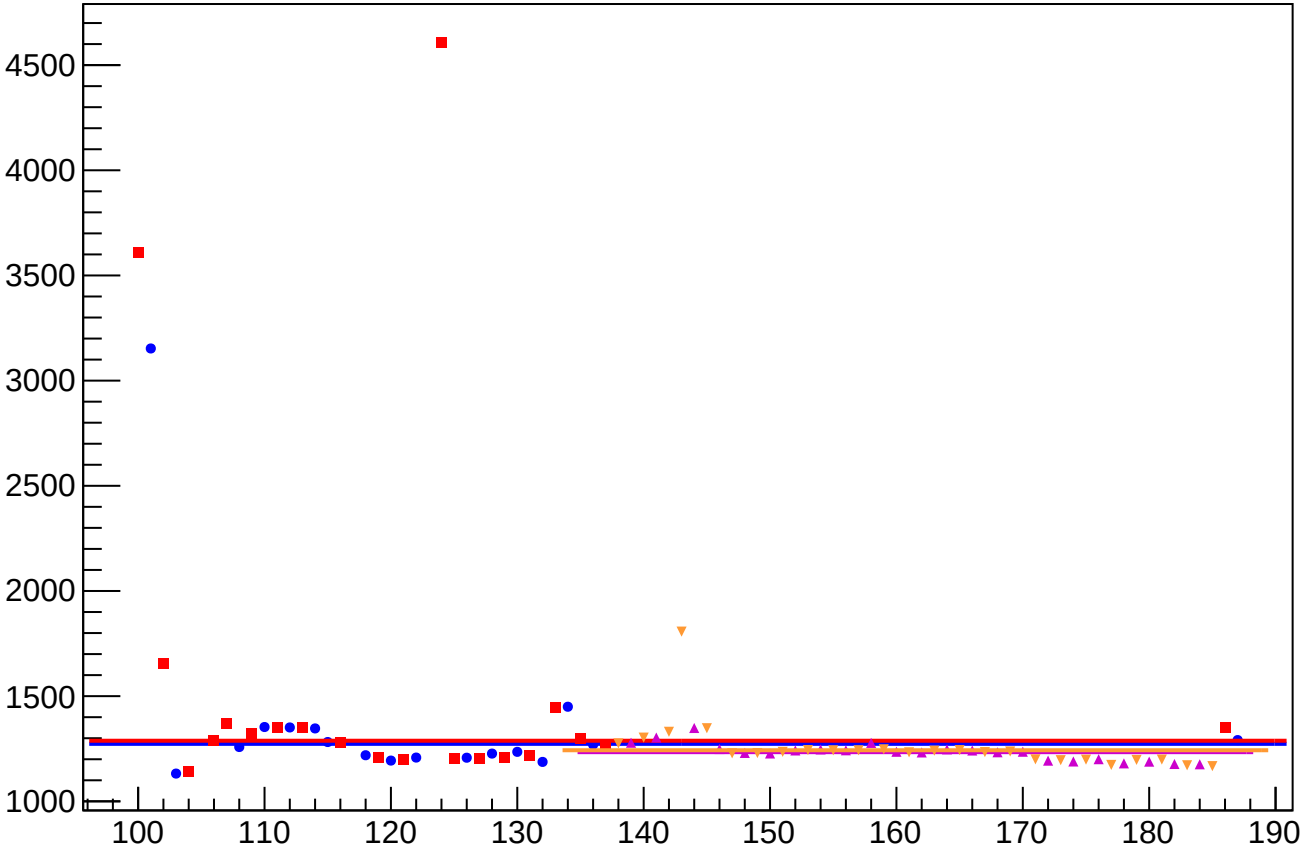
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

\+ sign -8.214+/-243.316 χ^2/NDF: 43.1/41

All: 107.306+/-172.847 χ^2/NDF: 77.3/84

\- sign 224.990+/-245.585 χ^2/NDF: 33.7/42

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

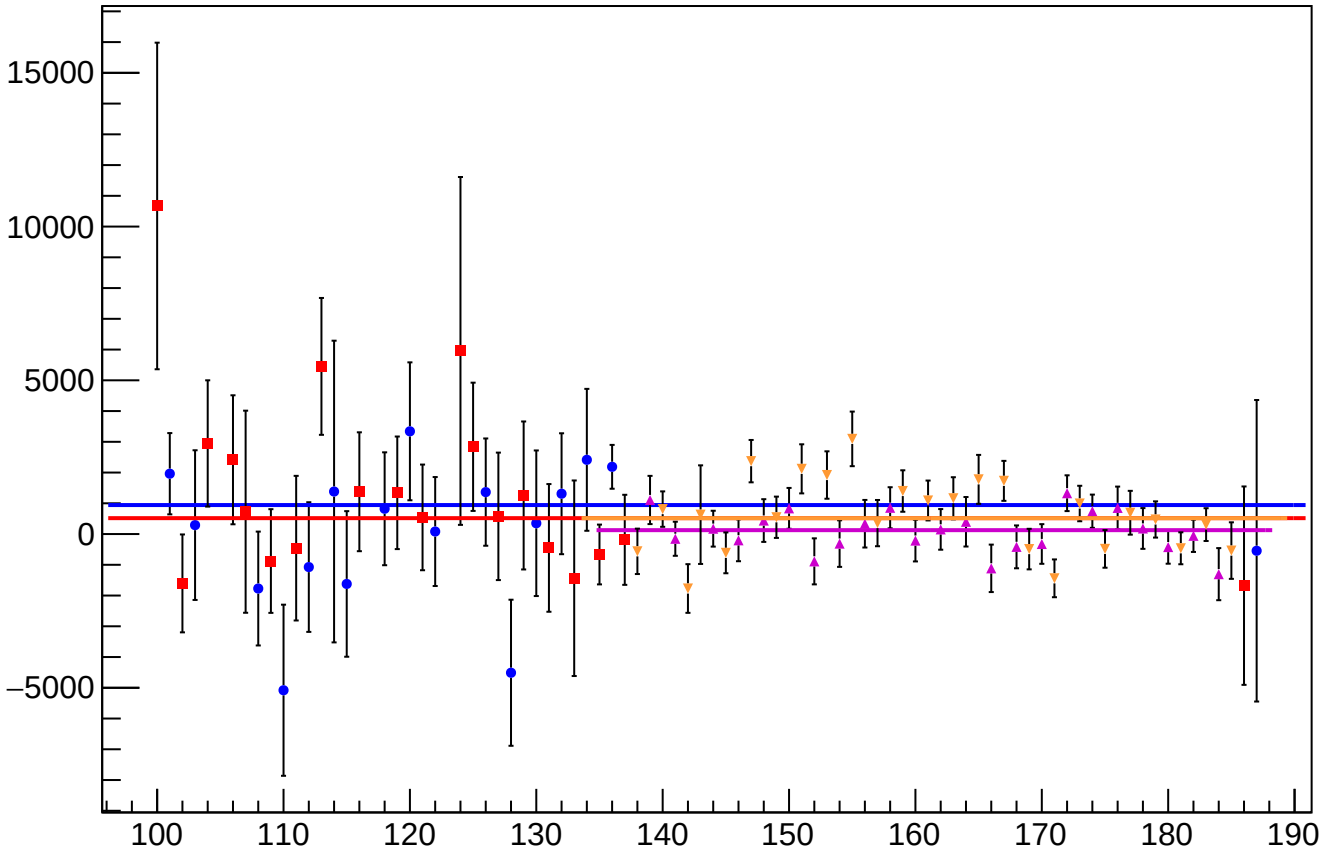
Right Out: 1288.065+/-0.332 χ^2/NDF: 330753.6/19

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1250.775+/-0.172 χ^2/NDF: 728716.1/41

All: 1249.713+/-0.122 χ^2/NDF: 1118285.4/84

- sign 1248.632+/-0.174 χ^2/NDF: 389492.4/42



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

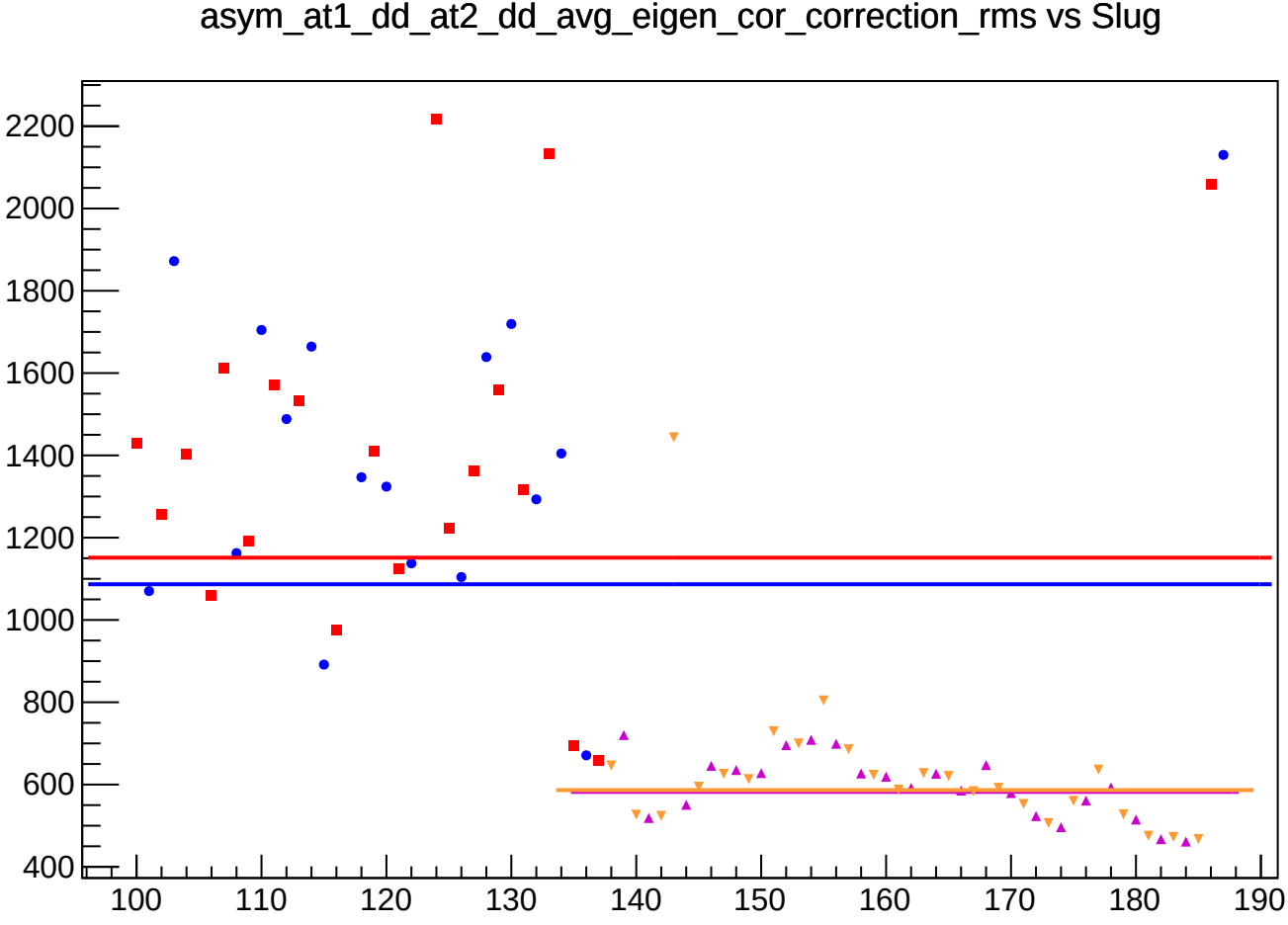
Right Out: 516.958+/-436.701 χ^2/NDF: 18.9/19

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 556.418+/-129.285 χ^2/NDF: 87.9/41

All: 361.561+/-92.001 χ^2/NDF: 133.6/84

- sign 161.653+/-130.949 χ^2/NDF: 41.1/42



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1151.368+/-0.309 χ^2/NDF: 1450142.8/19

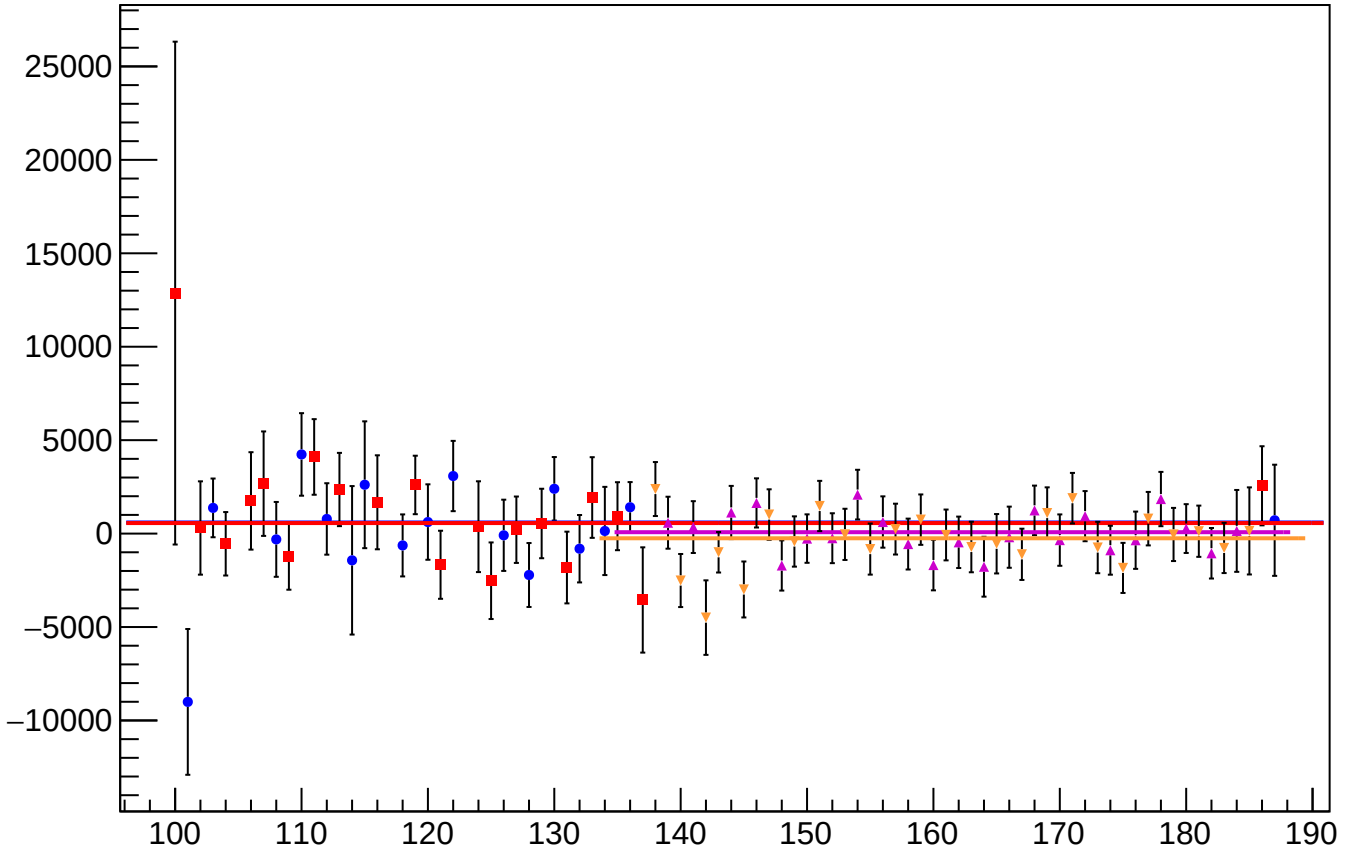
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 633.056+/-0.091 χ^2/NDF: 5297113.9/41

All: 633.210+/-0.065 χ^2/NDF: 10398531.6/84

- sign 633.367+/-0.093 χ^2/NDF: 5101412.0/42

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 593.494+/-479.141 χ^2/NDF: 17.1/16

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 563.764+/-465.143 χ^2/NDF: 17.6/19

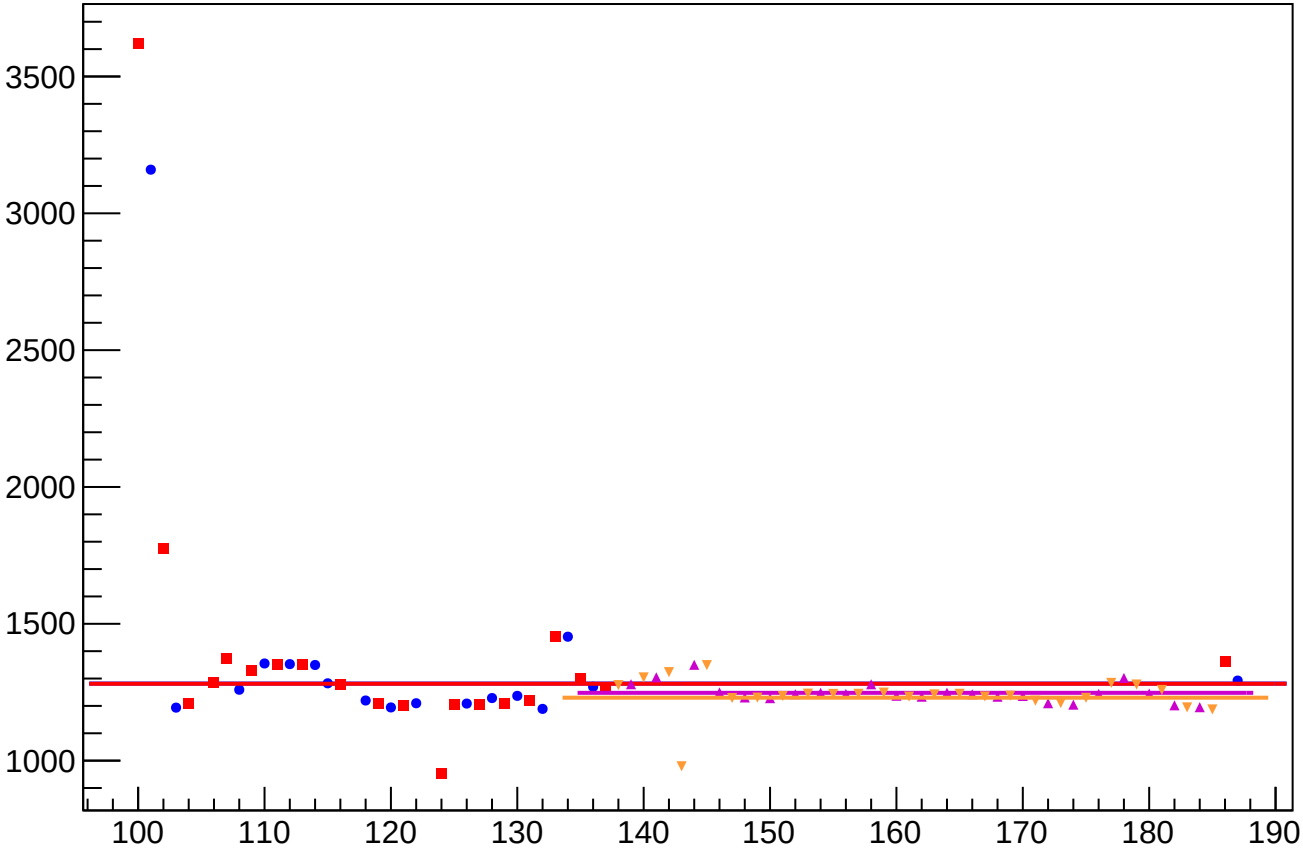
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -35.997+/-241.698 χ^2/NDF: 43.5/41

All: 85.671+/-172.743 χ^2/NDF: 76.4/84

- sign 212.713+/-246.978 χ^2/NDF: 32.4/42

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.2/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

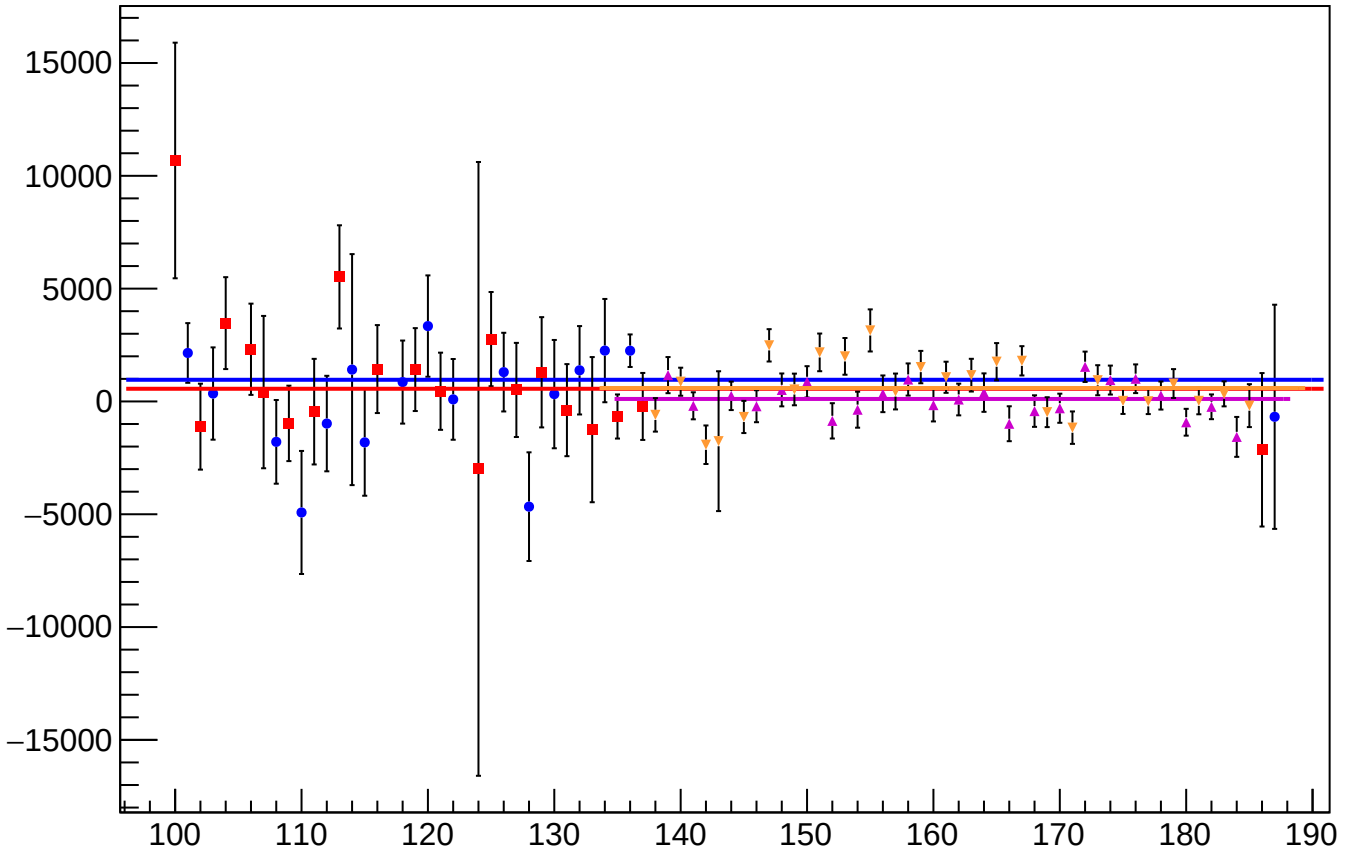
Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.4/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

\+ sign 1243.135+/-0.171 χ^2/NDF: 666056.5/41

All: 1249.986+/-0.122 χ^2/NDF: 927567.1/84

\- sign 1257.139+/-0.175 χ^2/NDF: 258226.3/42



Right In: 960.265+/-423.669 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

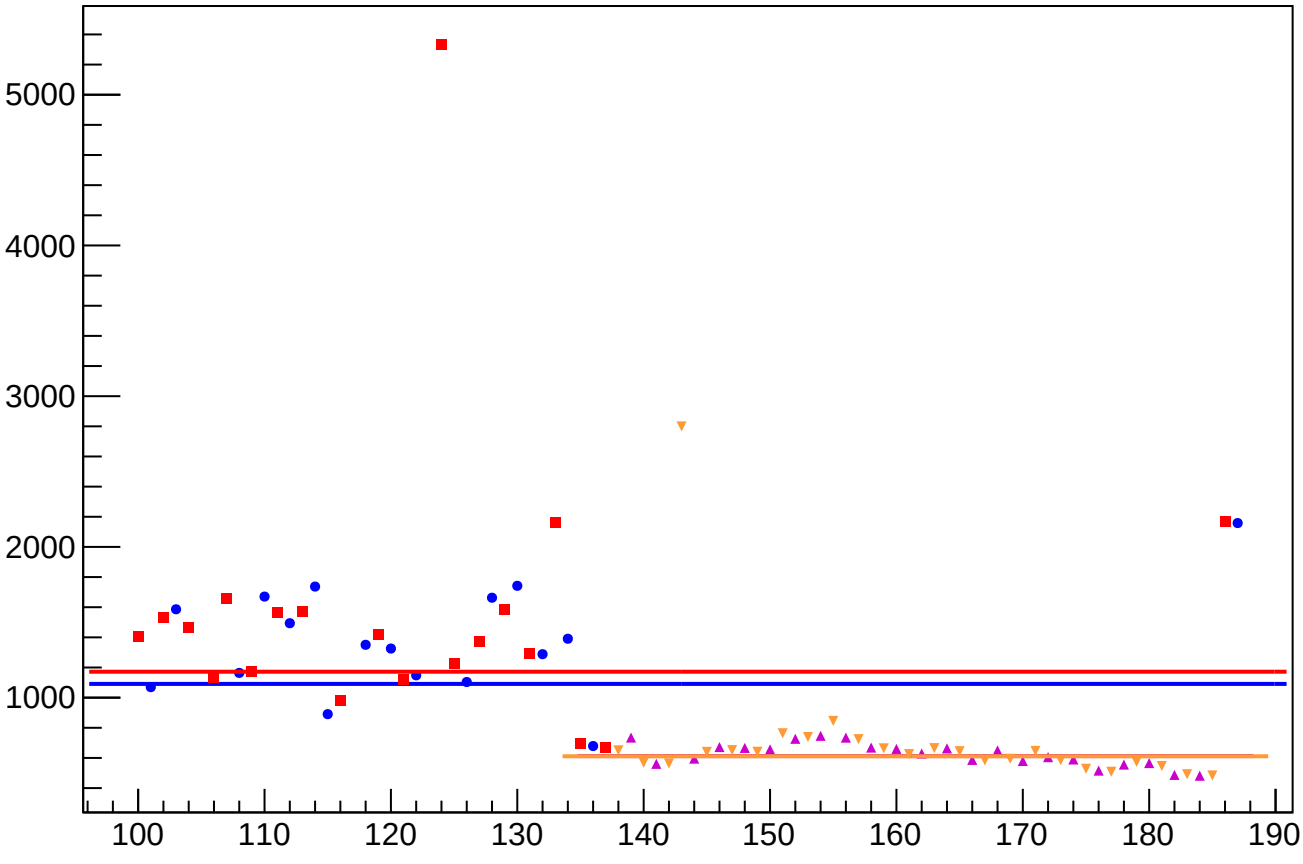
Right Out: 561.548+/-443.903 χ^2/NDF: 17.8/19

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 631.950+/-134.750 χ^2/NDF: 78.6/41

All: 396.913+/-96.128 χ^2/NDF: 129.2/84

- sign 153.347+/-137.173 χ^2/NDF: 44.4/42



Right In: 1091.153+/-0.300 χ^2/NDF: 1453127.6/16

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

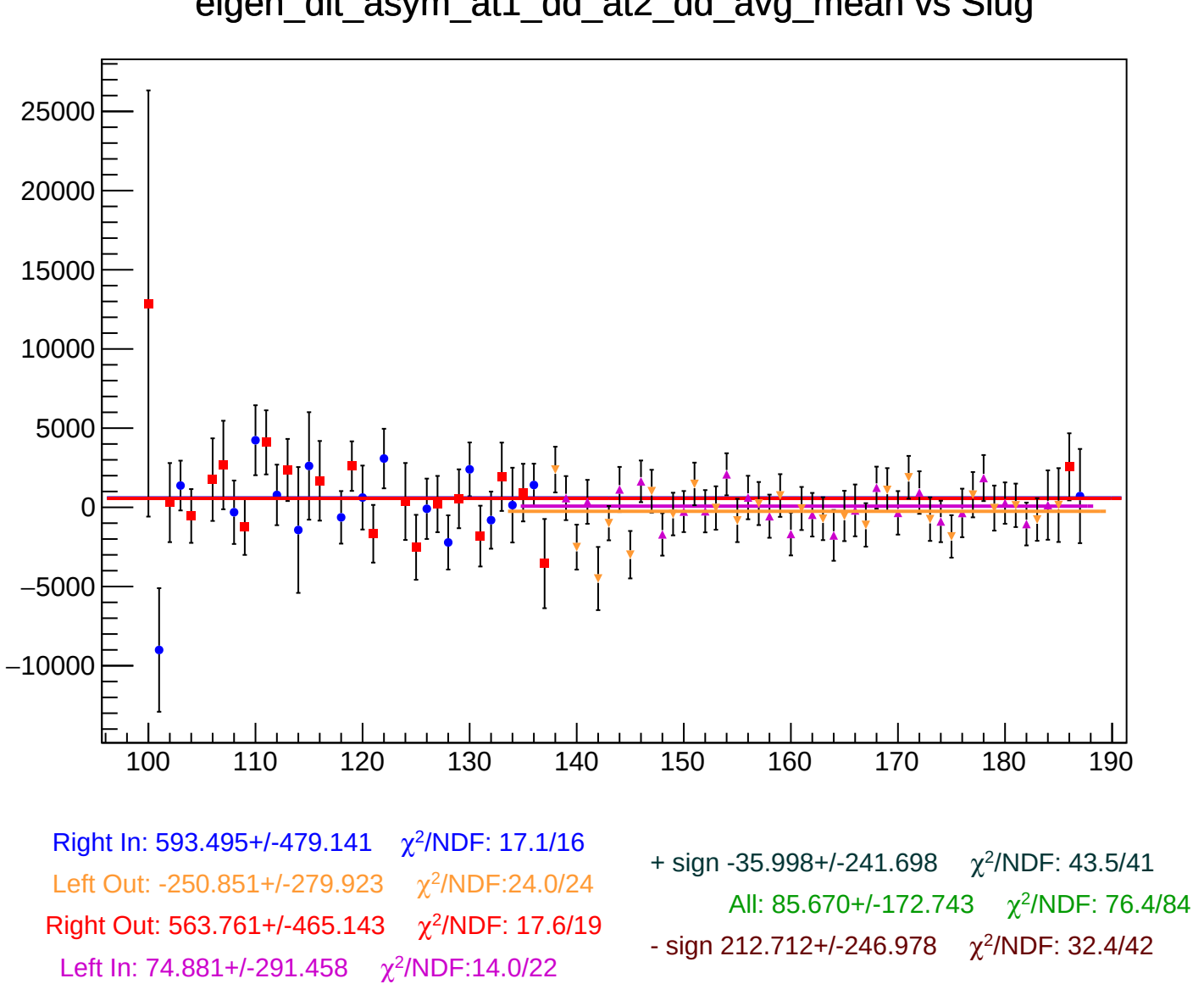
Right Out: 1172.032+/-0.314 χ^2/NDF: 1663693.5/19

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

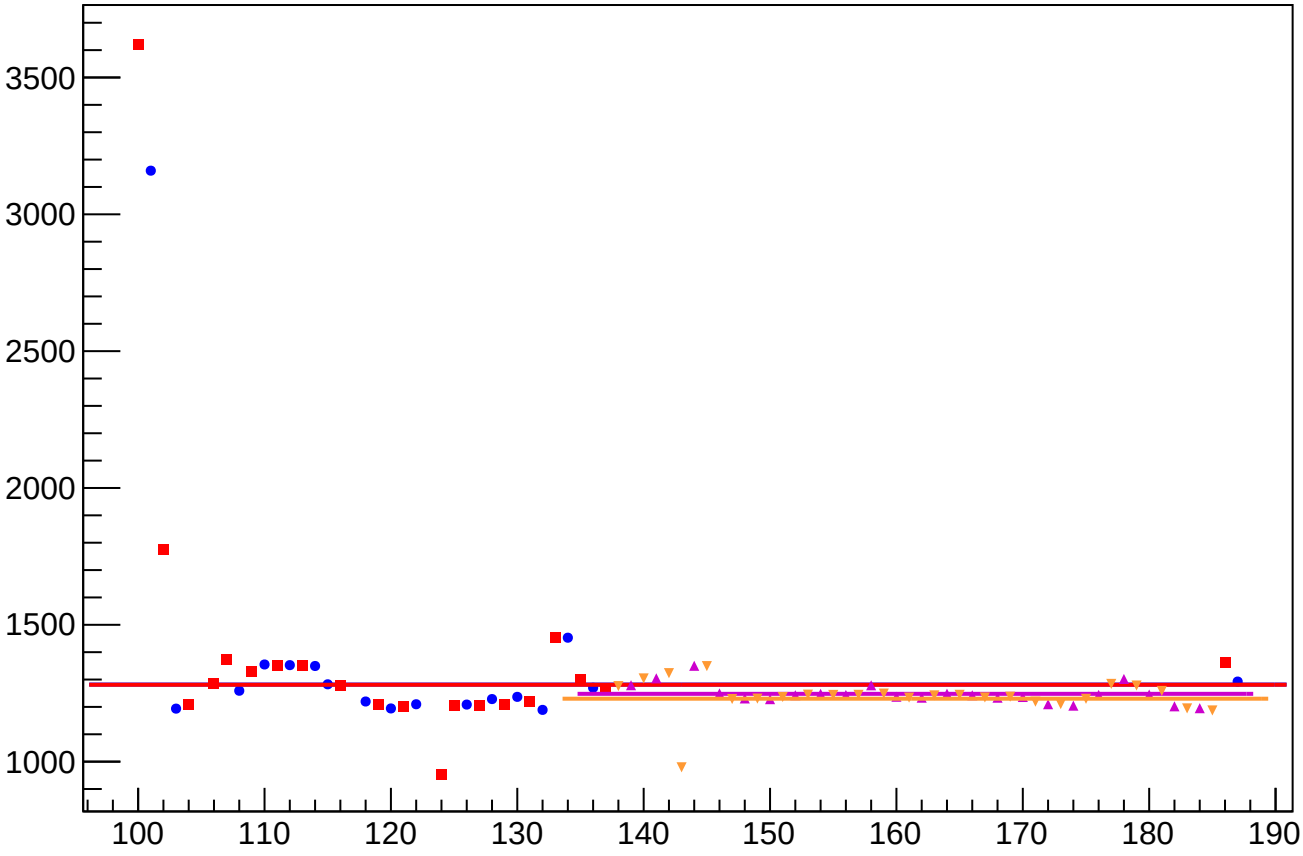
+ sign 659.650+/-0.095 χ^2/NDF: 5380589.6/41

All: 662.689+/-0.068 χ^2/NDF: 10430191.9/84

- sign 665.839+/-0.097 χ^2/NDF: 5047530.1/42


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 593.495+/-479.141 χ²/NDF: 17.1/16
Left Out: -250.851+/-279.923 χ²/NDF:24.0/24
Right Out: 563.761+/-465.143 χ²/NDF: 17.6/19
Left In: 74.881+/-291.458 χ²/NDF:14.0/22
+ sign -35.998+/-241.698 χ²/NDF: 43.5/41
All: 85.670+/-172.743 χ²/NDF: 76.4/84
- sign 212.712+/-246.978 χ²/NDF: 32.4/42

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.3/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

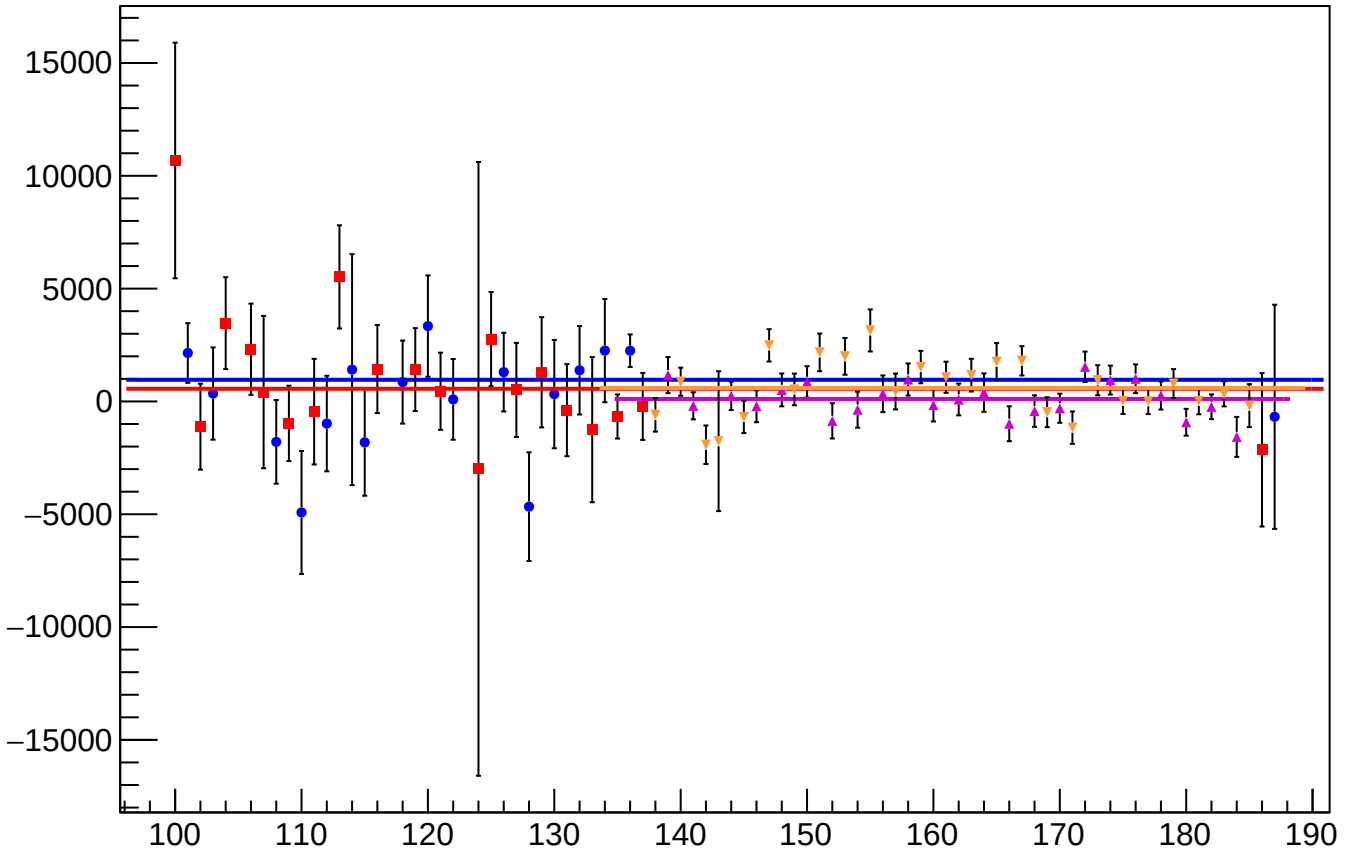
Right Out: 1280.962+/-0.329 χ^2/NDF: 223579.3/19

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1243.135+/-0.171 χ^2/NDF: 666055.7/41

All: 1249.986+/-0.122 χ^2/NDF: 927566.1/84

- sign 1257.139+/-0.175 χ^2/NDF: 258226.2/42



Right In: 960.259+/-423.671 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

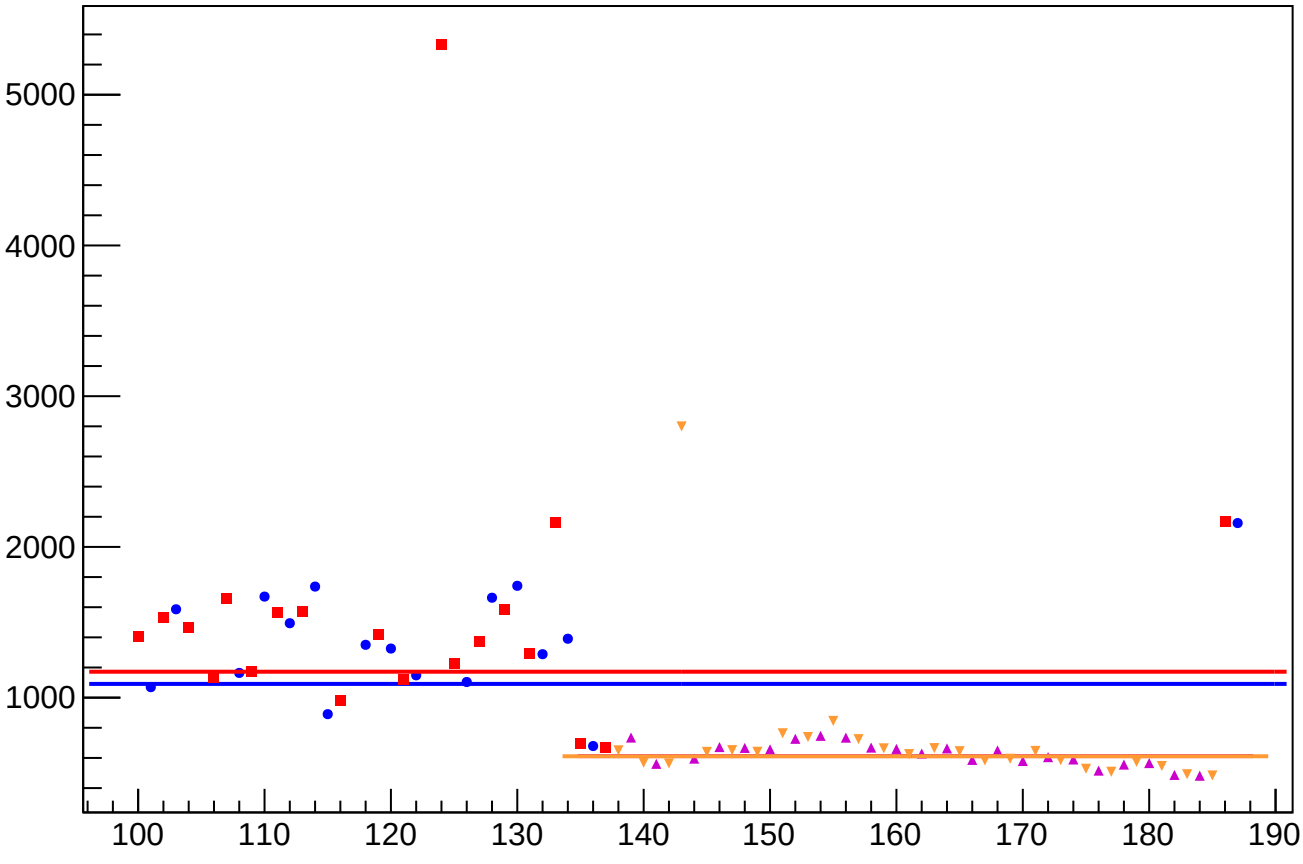
Right Out: 561.557+/-443.905 χ^2/NDF: 17.8/19

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 631.949+/-134.750 χ^2/NDF: 78.6/41

All: 396.912+/-96.128 χ^2/NDF: 129.2/84

- sign 153.346+/-137.173 χ^2/NDF: 44.4/42



Right In: 1091.160+/-0.300 χ^2/NDF: 1453069.6/16

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1172.040+/-0.314 χ^2/NDF: 1663638.0/19

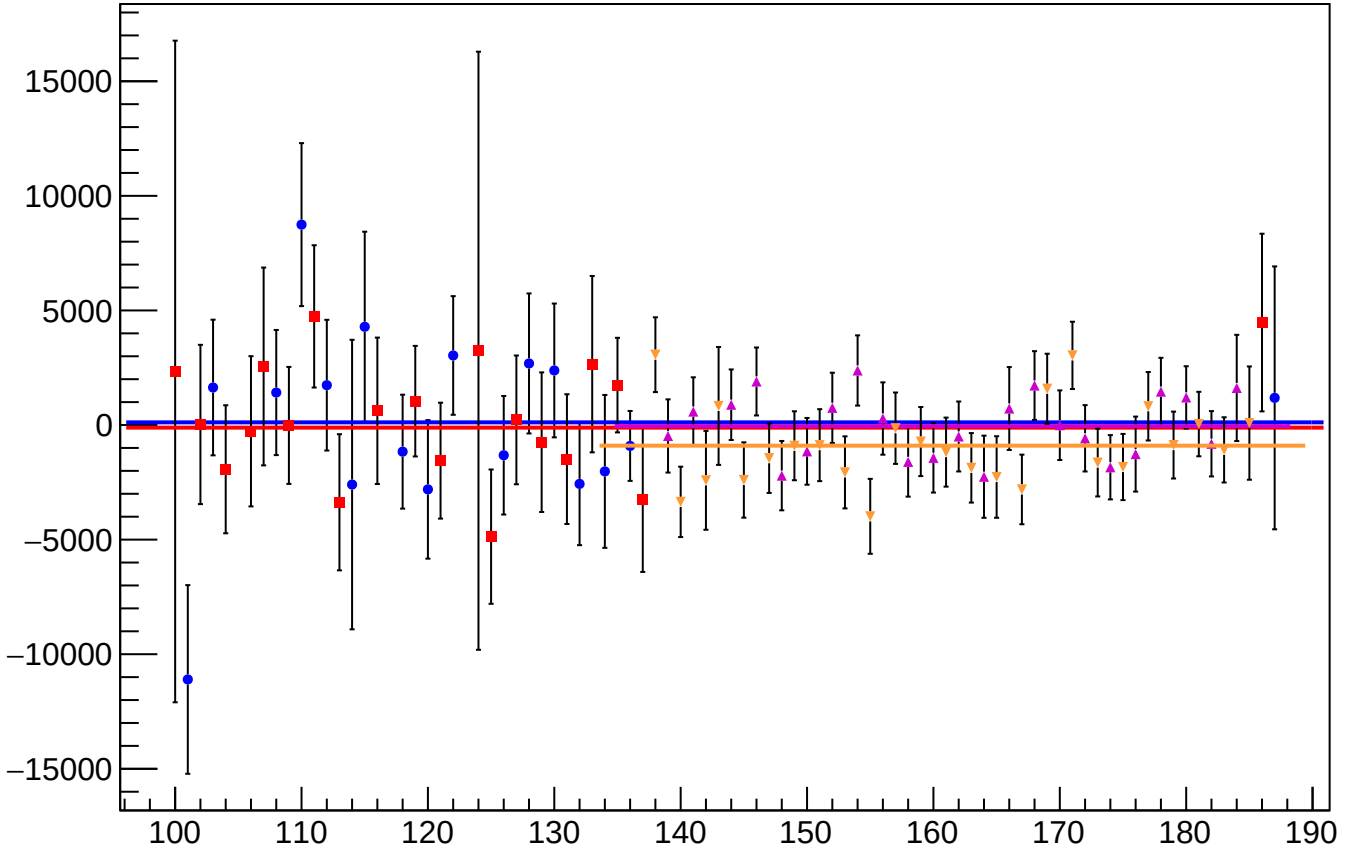
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 659.650+/-0.095 χ^2/NDF: 5380577.6/41

All: 662.689+/-0.068 χ^2/NDF: 10430187.2/84

- sign 665.838+/-0.097 χ^2/NDF: 5047537.9/42

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 116.327+/-693.850 χ^2/NDF: 21.3/16

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -113.307+/-688.594 χ^2/NDF: 11.8/19

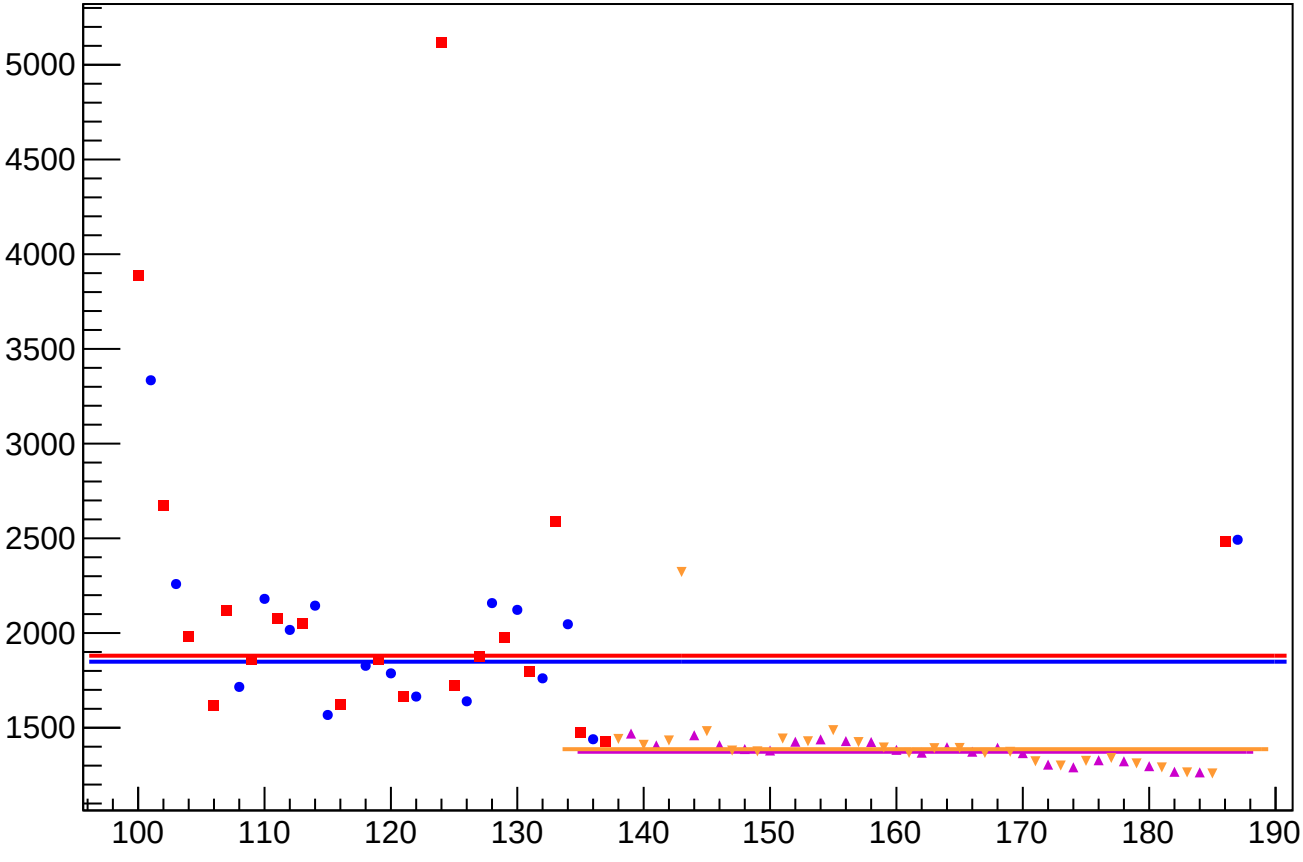
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -724.912+/-287.918 χ^2/NDF: 52.9/41

All: -395.768+/-204.631 χ^2/NDF: 85.2/84

- sign -59.800+/-290.887 χ^2/NDF: 29.7/42

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1848.673+/-0.491 χ^2/NDF: 582291.5/16

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

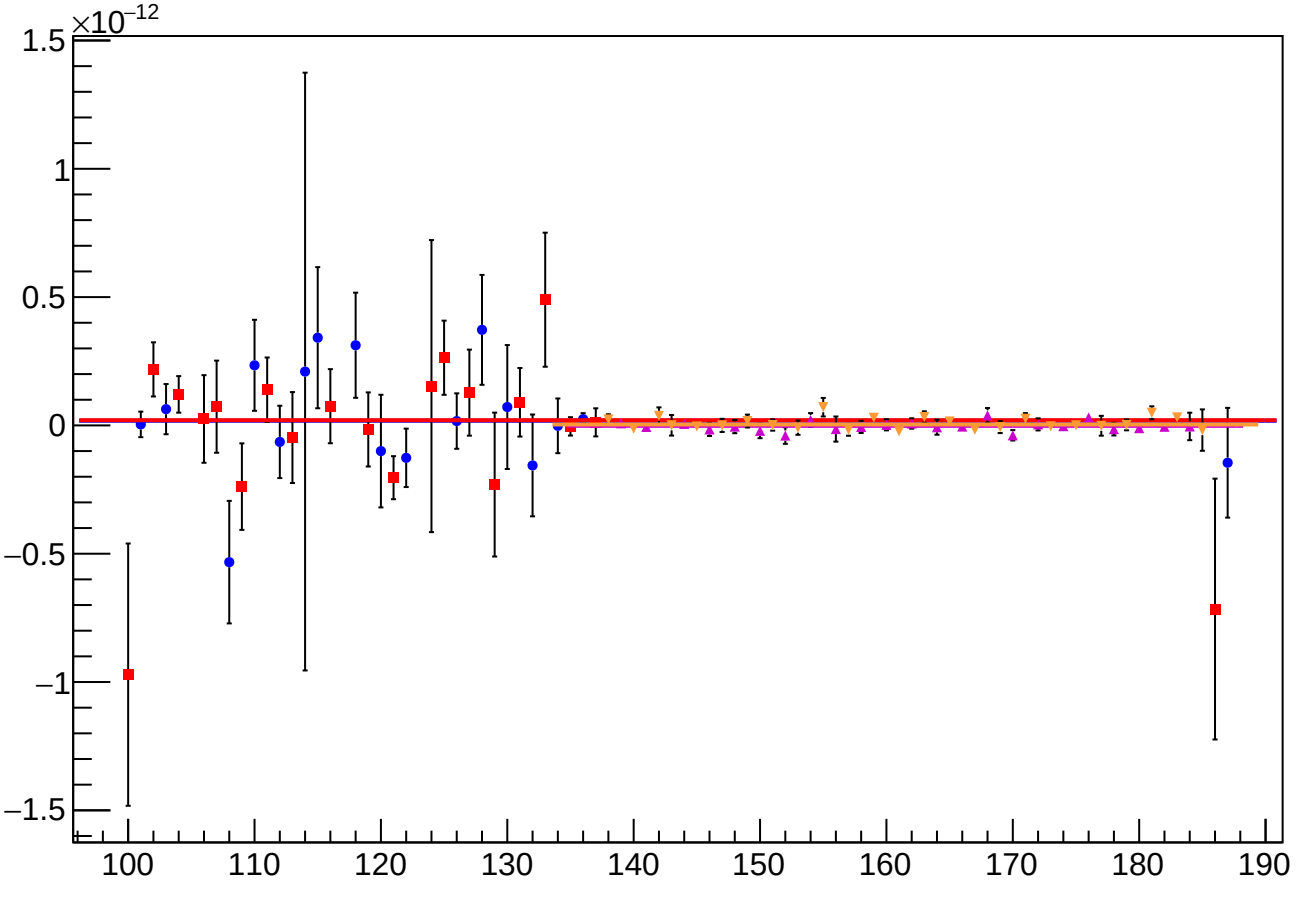
Right Out: 1880.358+/-0.487 χ^2/NDF: 571859.5/19

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1466.367+/-0.204 χ^2/NDF: 1655574.9/41

All: 1465.057+/-0.145 χ^2/NDF: 3183243.4/84

- sign 1463.719+/-0.206 χ^2/NDF: 1527584.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

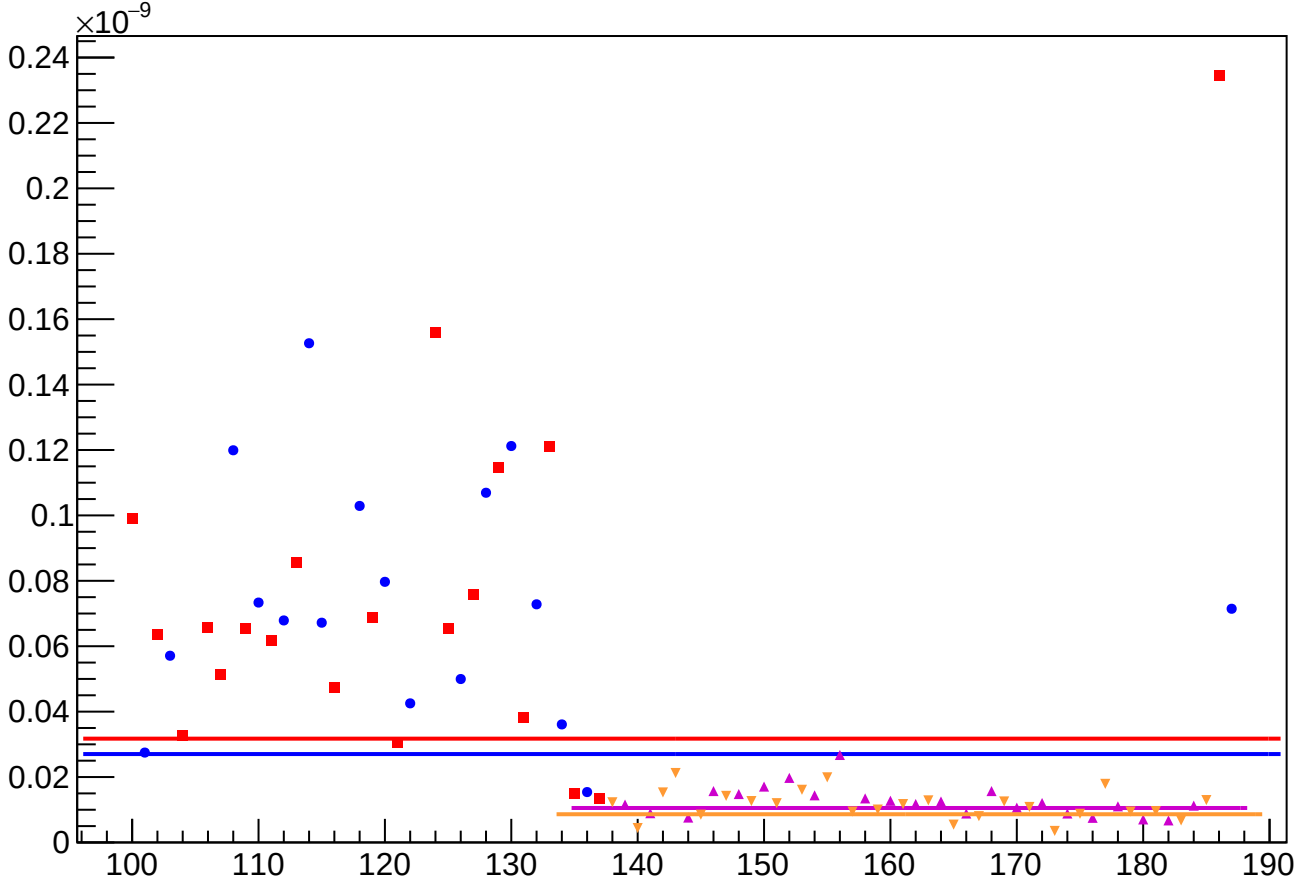
Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/19

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/41

All: 0.000+/-0.000 χ^2/NDF: 87.9/84

- sign -0.000+/-0.000 χ^2/NDF: 44.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2667669.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

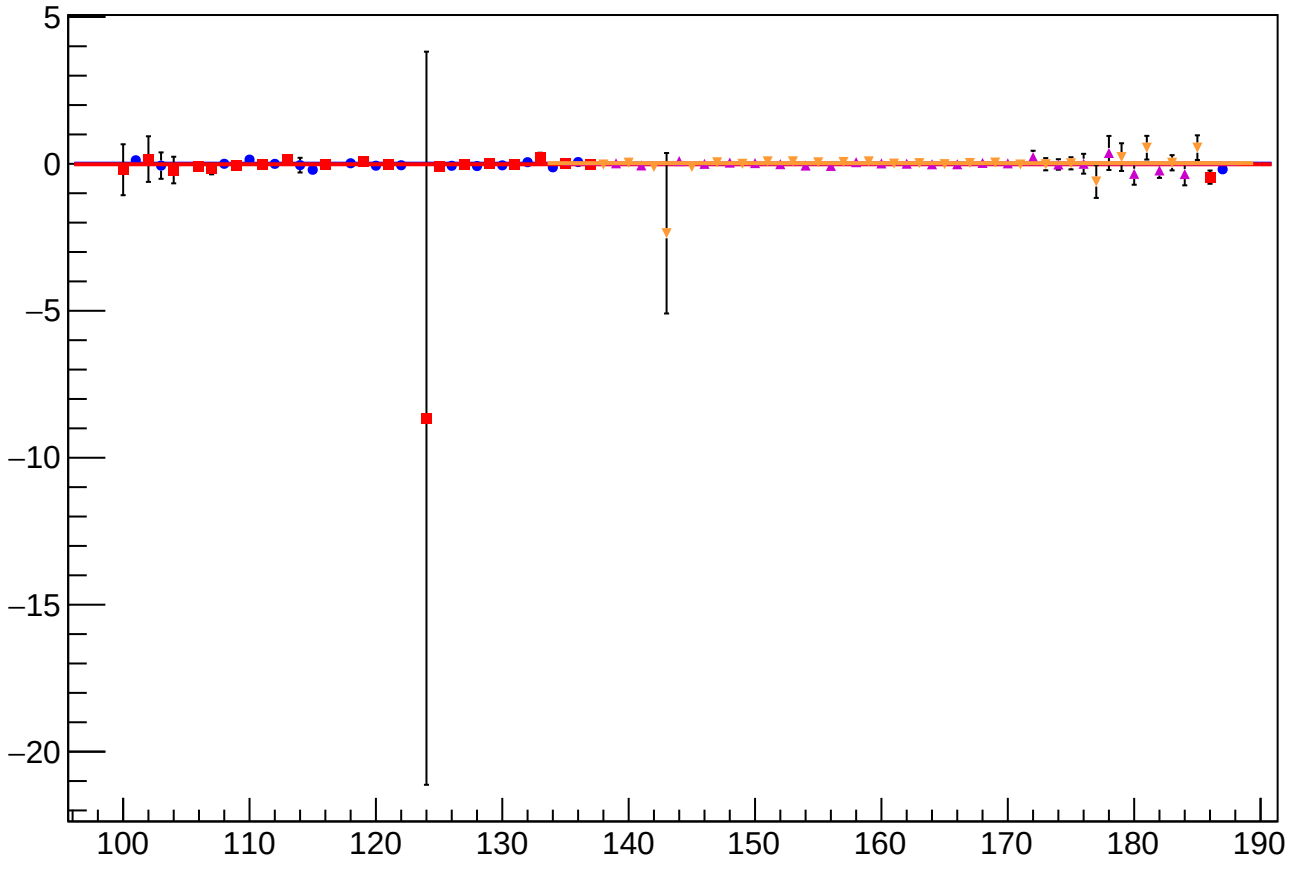
Right Out: 0.000+/-0.000 χ^2/NDF: 2594605.6/19

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6669574.0/41

All: 0.000+/-0.000 χ^2/NDF: 12480655.5/84

- sign 0.000+/-0.000 χ^2/NDF: 5571082.7/42



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

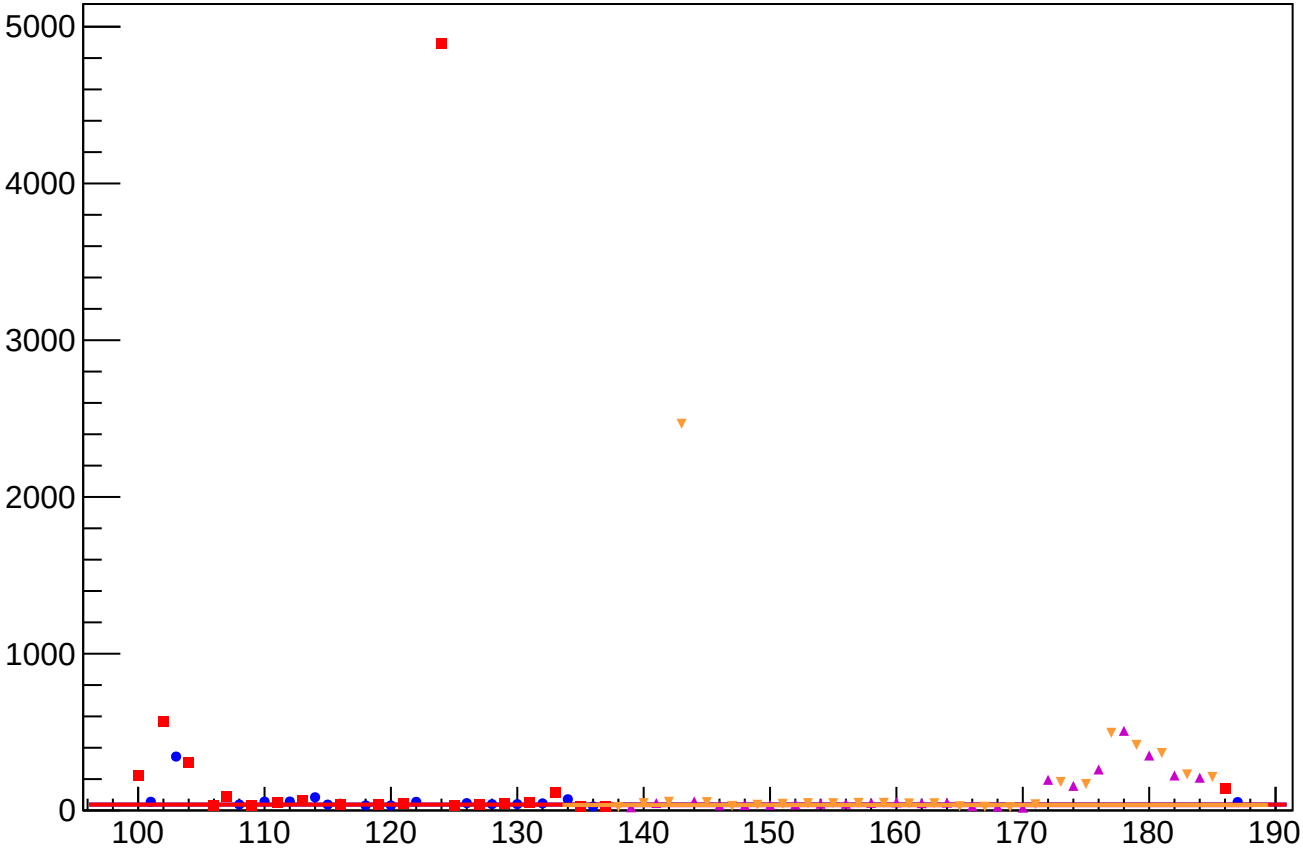
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.011+/-0.006 χ^2/NDF: 79.7/84

- sign 0.003+/-0.009 χ^2/NDF: 32.8/42

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

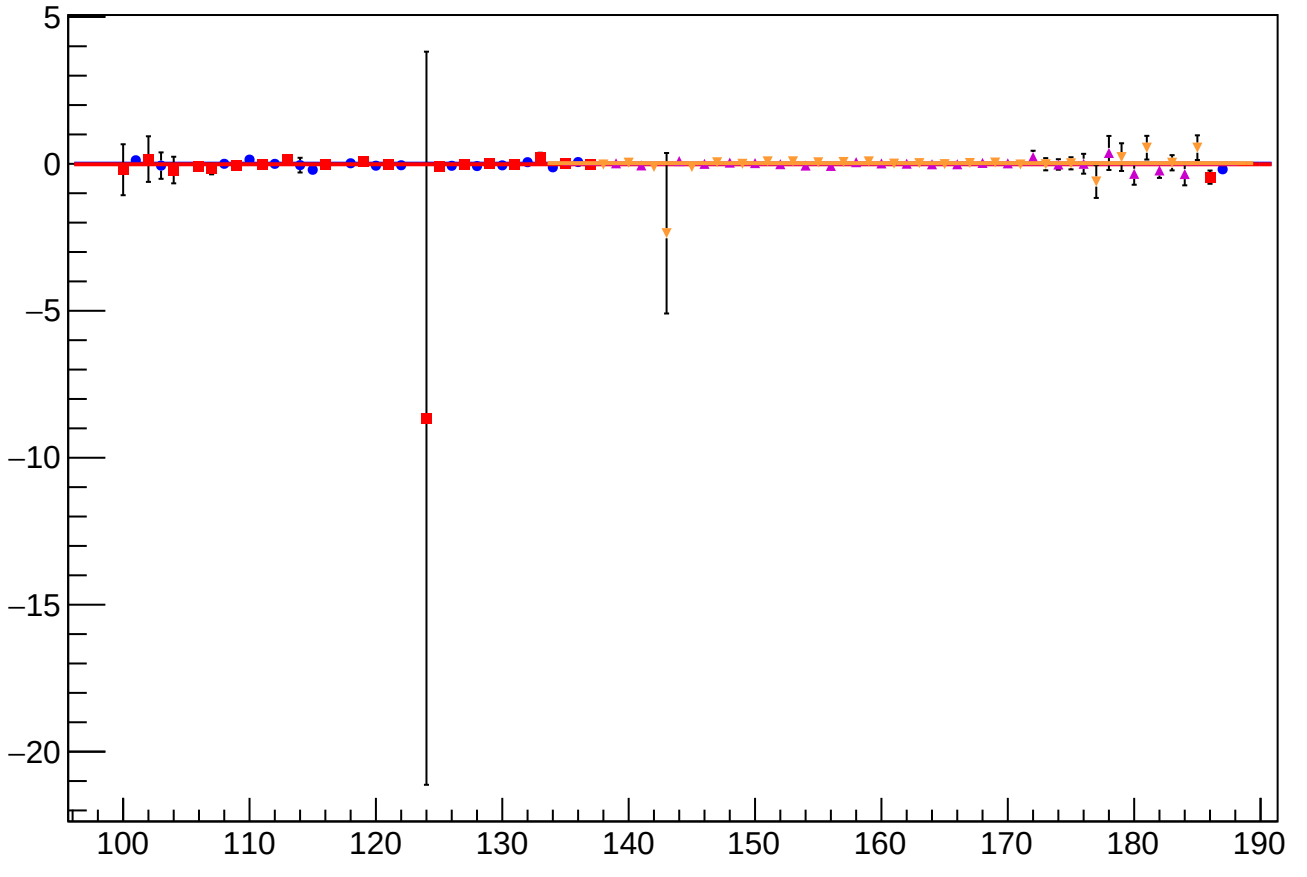
Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.531+/-0.006 χ^2/NDF: 13471288.9/41

All: 35.053+/-0.004 χ^2/NDF: 27258036.2/84

\- sign 34.584+/-0.006 χ^2/NDF: 13774522.7/42



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

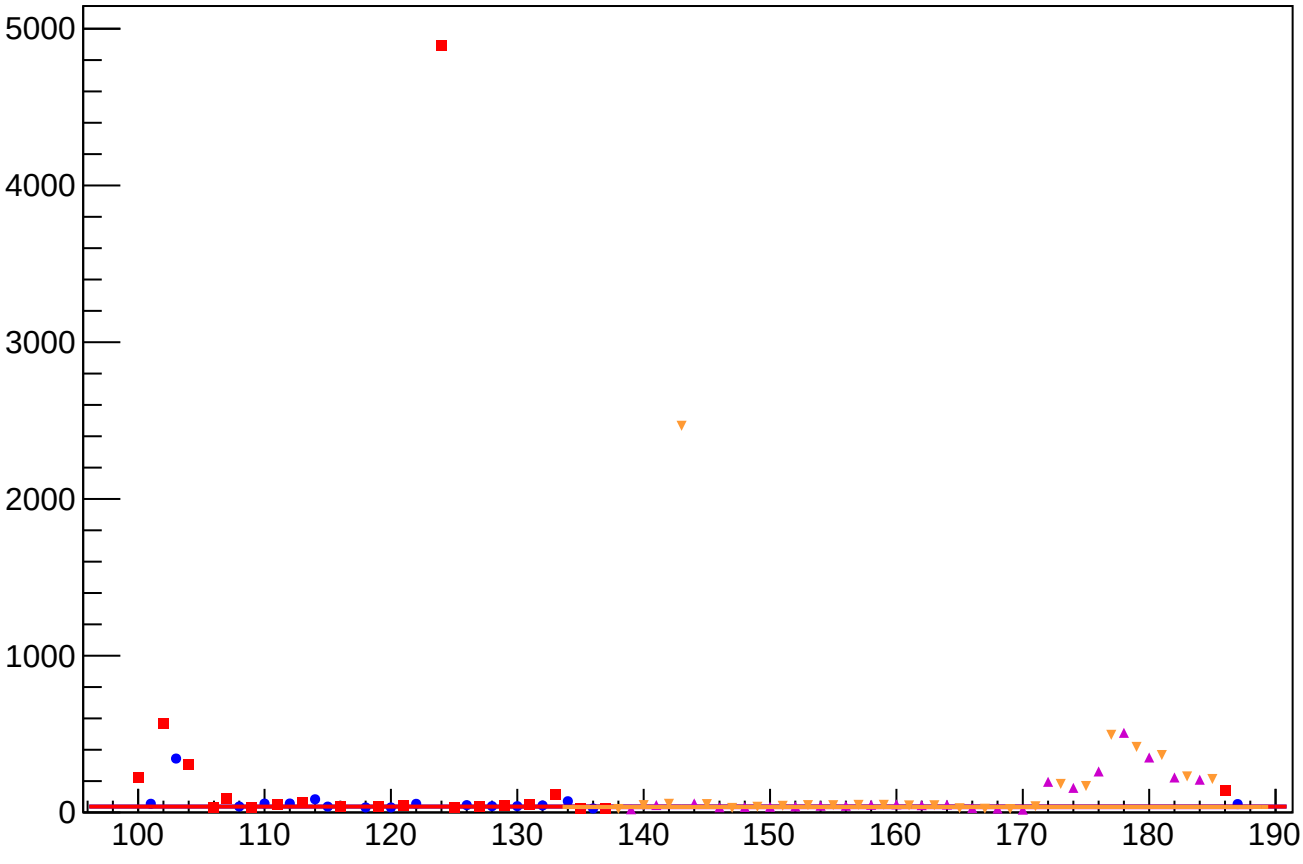
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.011+/-0.006 χ^2/NDF: 79.7/84

- sign 0.003+/-0.009 χ^2/NDF: 32.8/42



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

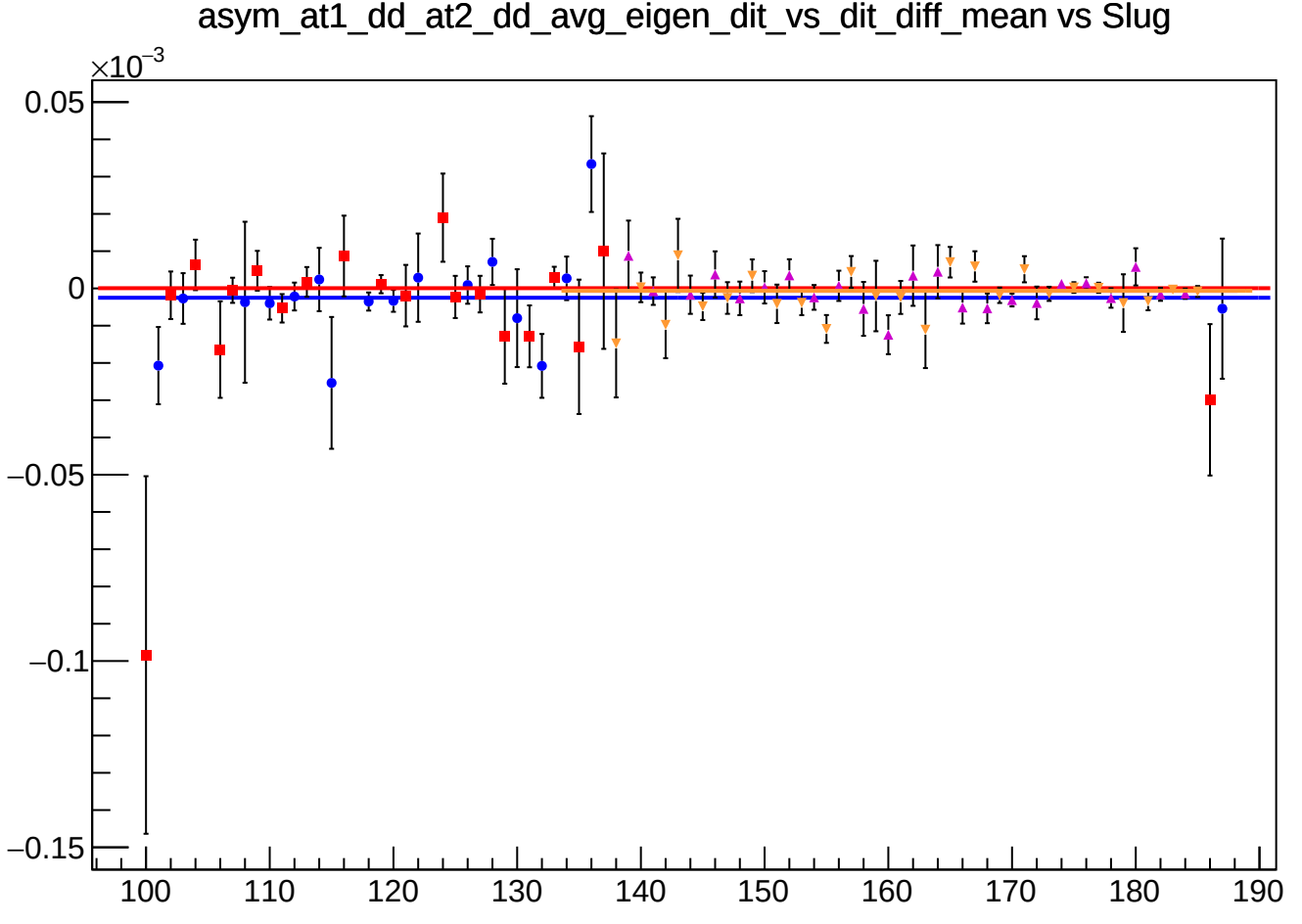
Right Out: 37.341+/-0.012 χ^2/NDF: 3631788.9/19

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.531+/-0.006 χ^2/NDF: 13471288.9/41

All: 35.053+/-0.004 χ^2/NDF: 27258036.2/84

- sign 34.584+/-0.006 χ^2/NDF: 13774522.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

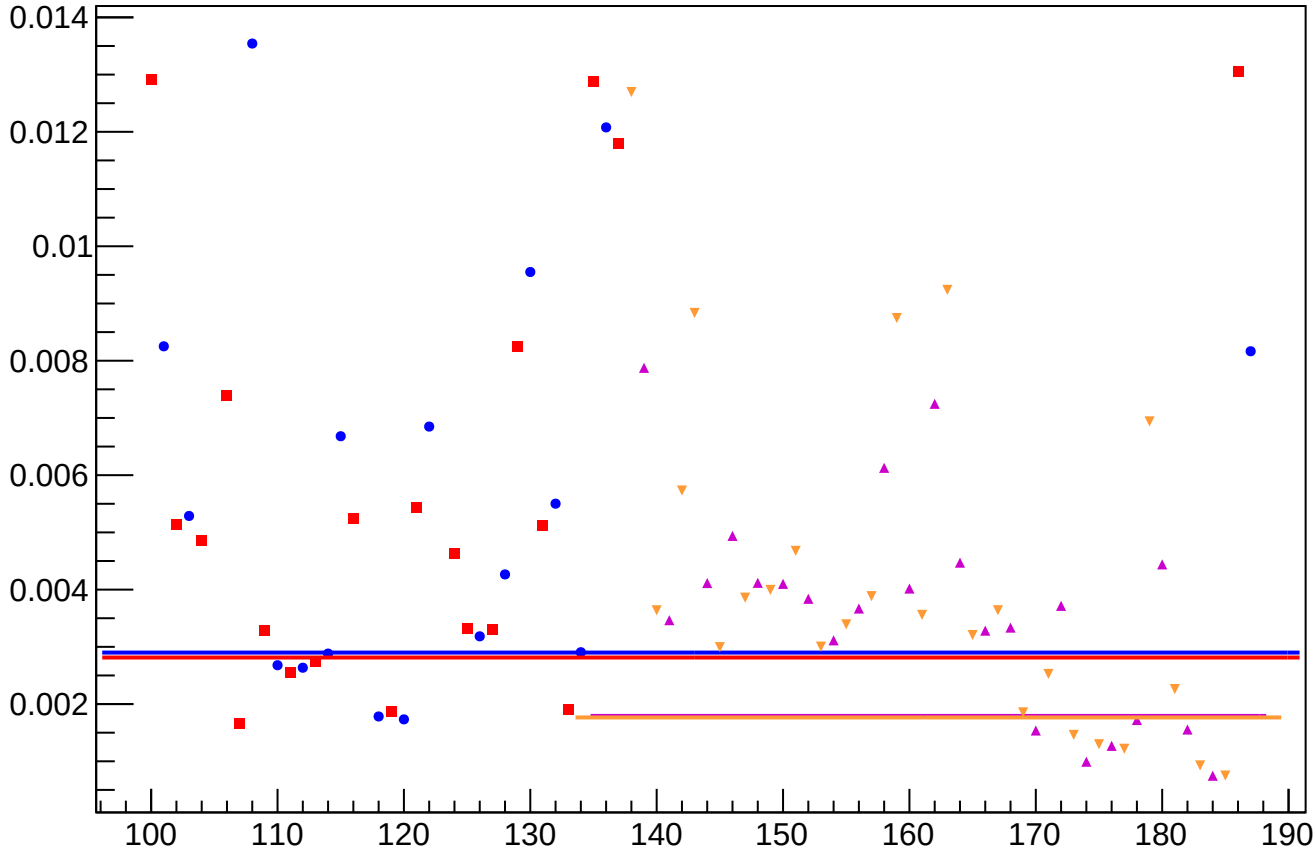
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.1/41

All: -0.000+/-0.000 χ^2/NDF: 95.6/84

- sign -0.000+/-0.000 χ^2/NDF: 43.3/42



Right In: 0.003+/-0.000 χ^2/NDF: 4309586.2/16

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

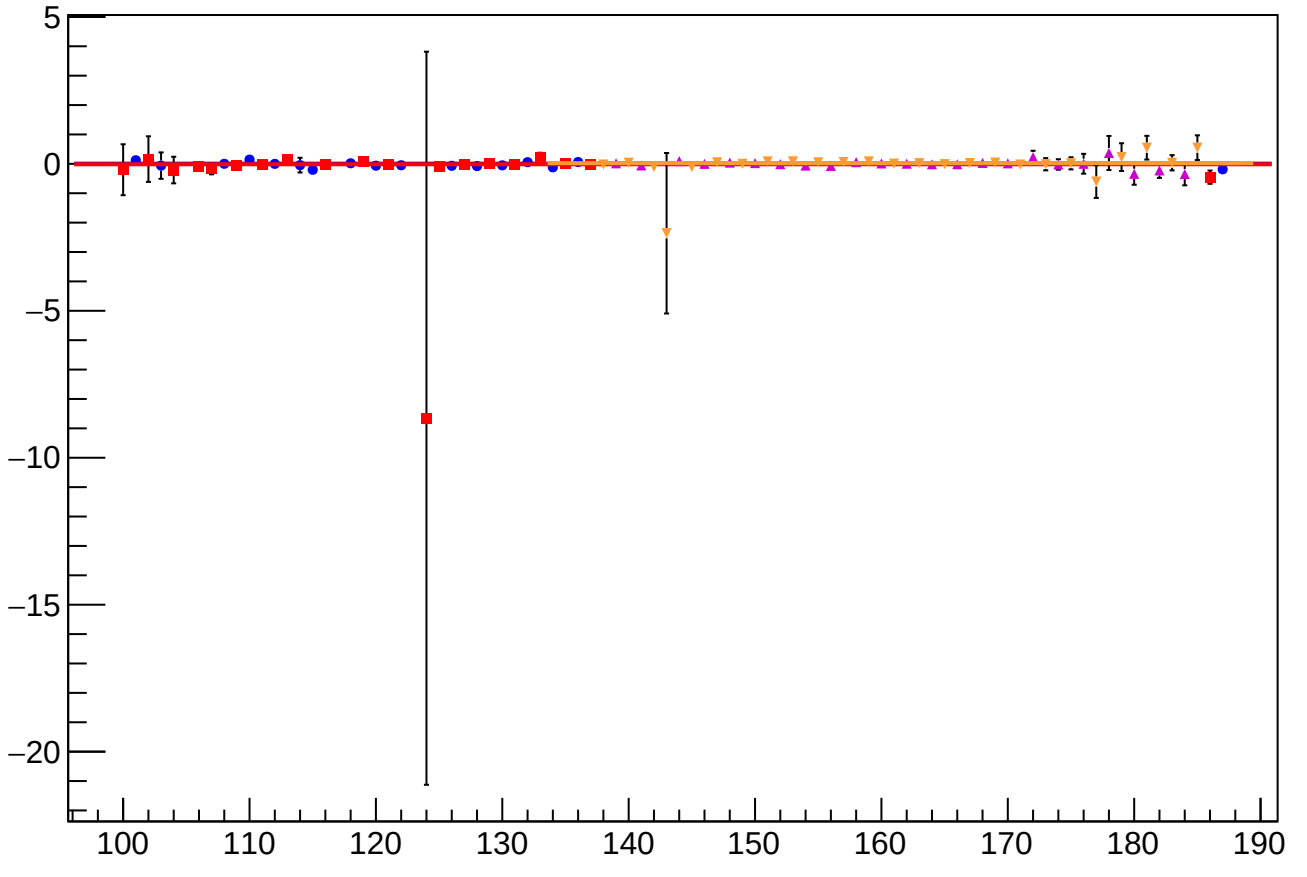
Right Out: 0.003+/-0.000 χ^2/NDF: 3821461.6/19

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 18548912.6/41

All: 0.002+/-0.000 χ^2/NDF: 34398340.0/84

- sign 0.002+/-0.000 χ^2/NDF: 15835961.0/42



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

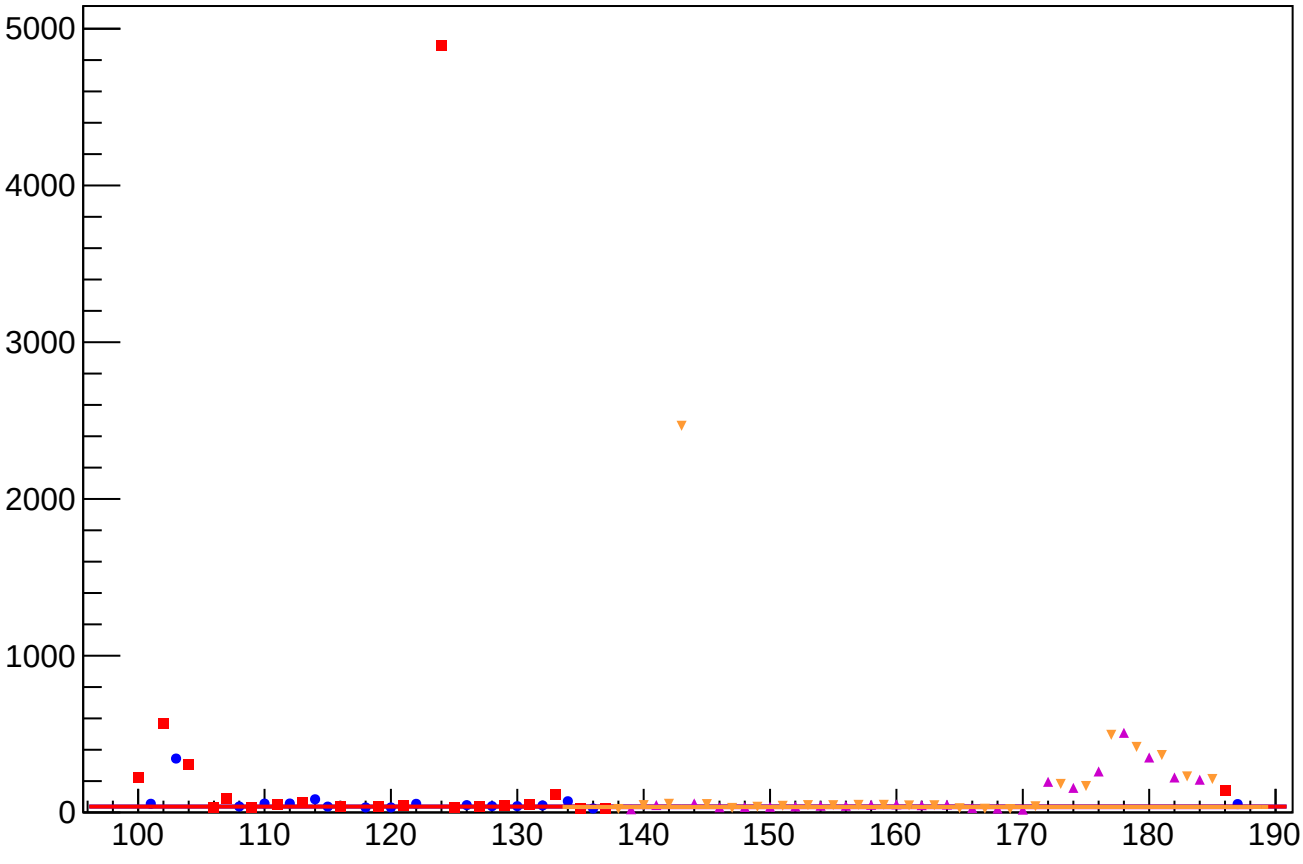
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.011+/-0.006 χ^2/NDF: 79.7/84

- sign 0.003+/-0.009 χ^2/NDF: 32.9/42



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

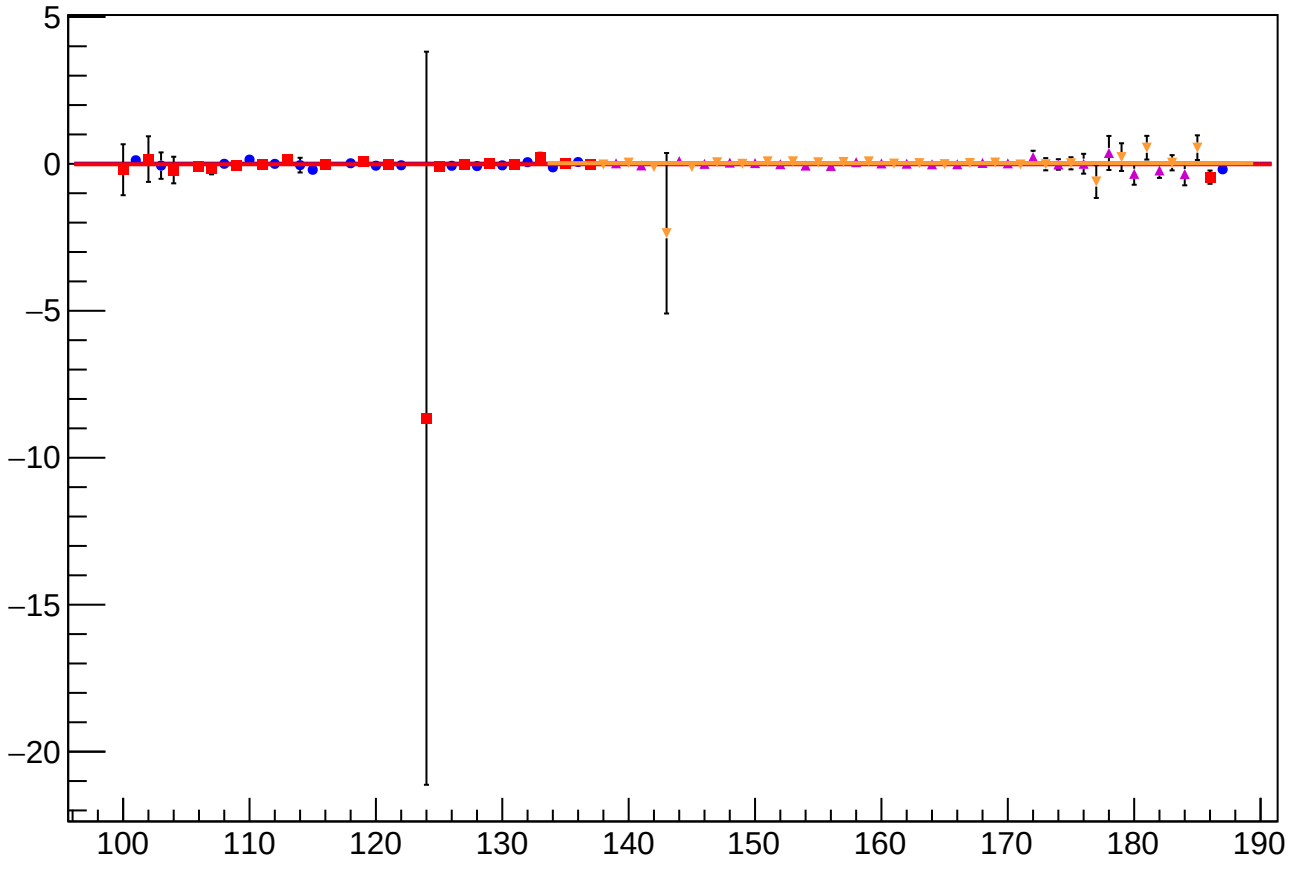
Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

\+ sign 35.530+/-0.006 χ^2/NDF: 13471403.5/41

All: 35.054+/-0.004 χ^2/NDF: 27256480.7/84

\- sign 34.586+/-0.006 χ^2/NDF: 13772922.3/42



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

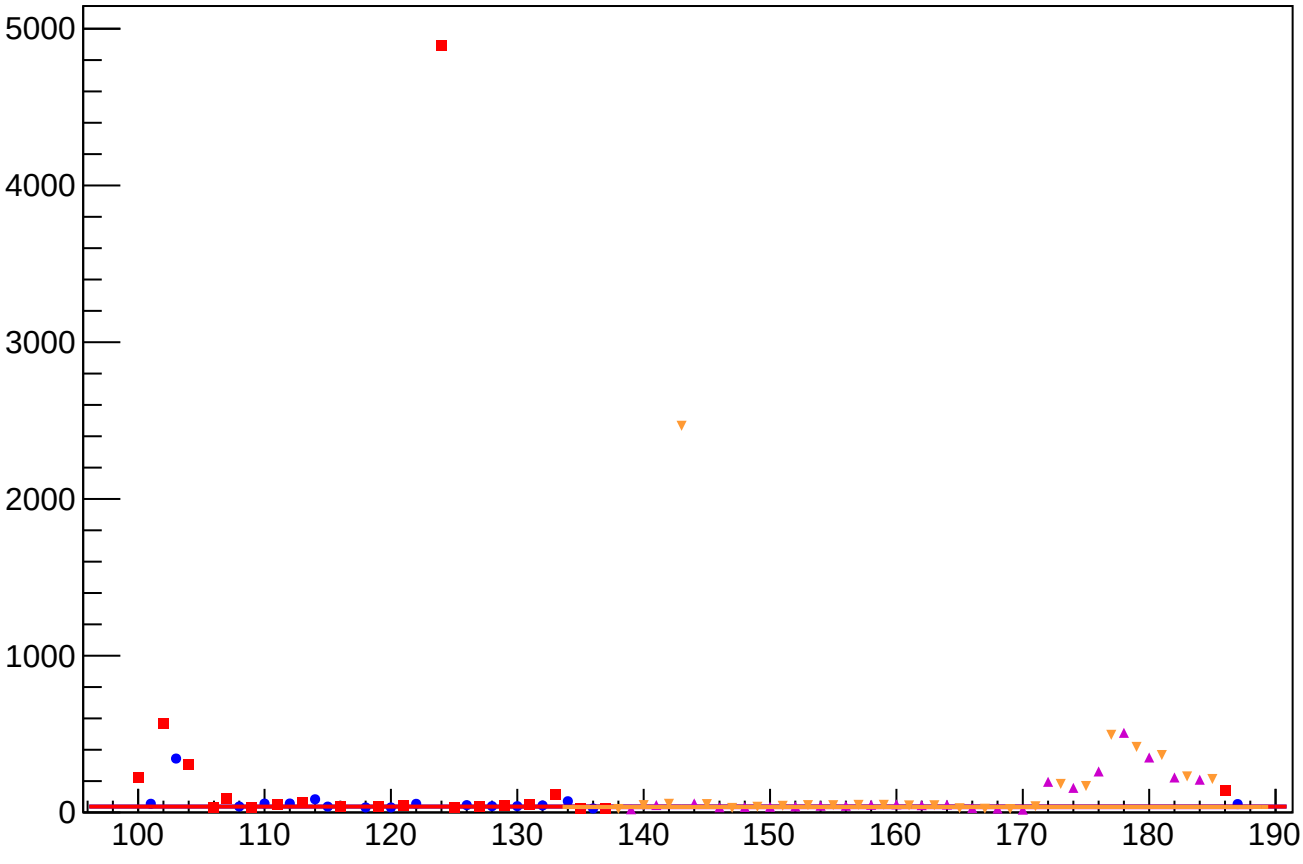
Right Out: -0.015+/-0.017 χ^2/NDF: 16.4/19

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.018+/-0.009 χ^2/NDF: 45.3/41

All: 0.011+/-0.006 χ^2/NDF: 79.7/84

- sign 0.003+/-0.009 χ^2/NDF: 32.9/42



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

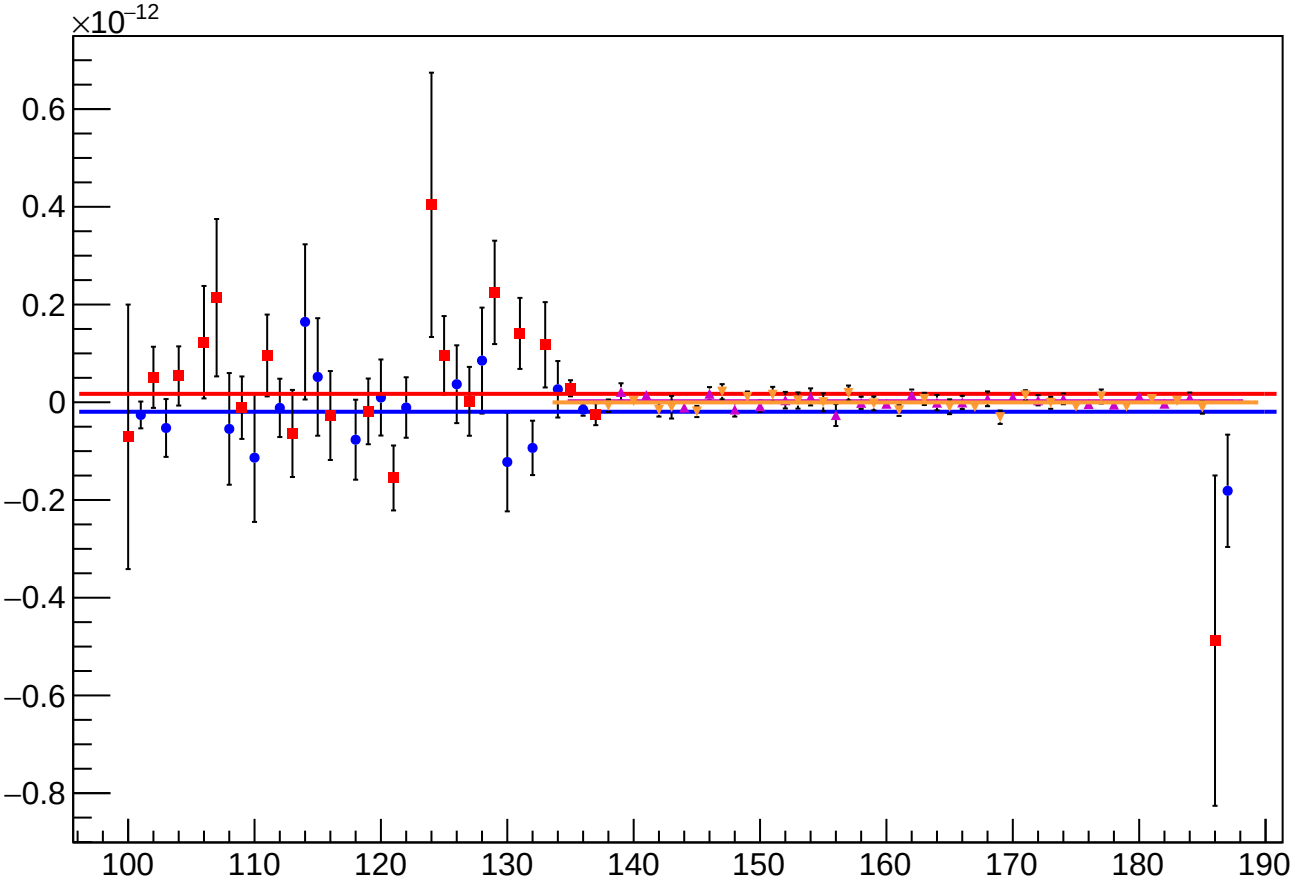
Right Out: 37.343+/-0.012 χ^2/NDF: 3631486.2/19

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.530+/-0.006 χ^2/NDF: 13471403.5/41

All: 35.054+/-0.004 χ^2/NDF: 27256480.7/84

- sign 34.586+/-0.006 χ^2/NDF: 13772922.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

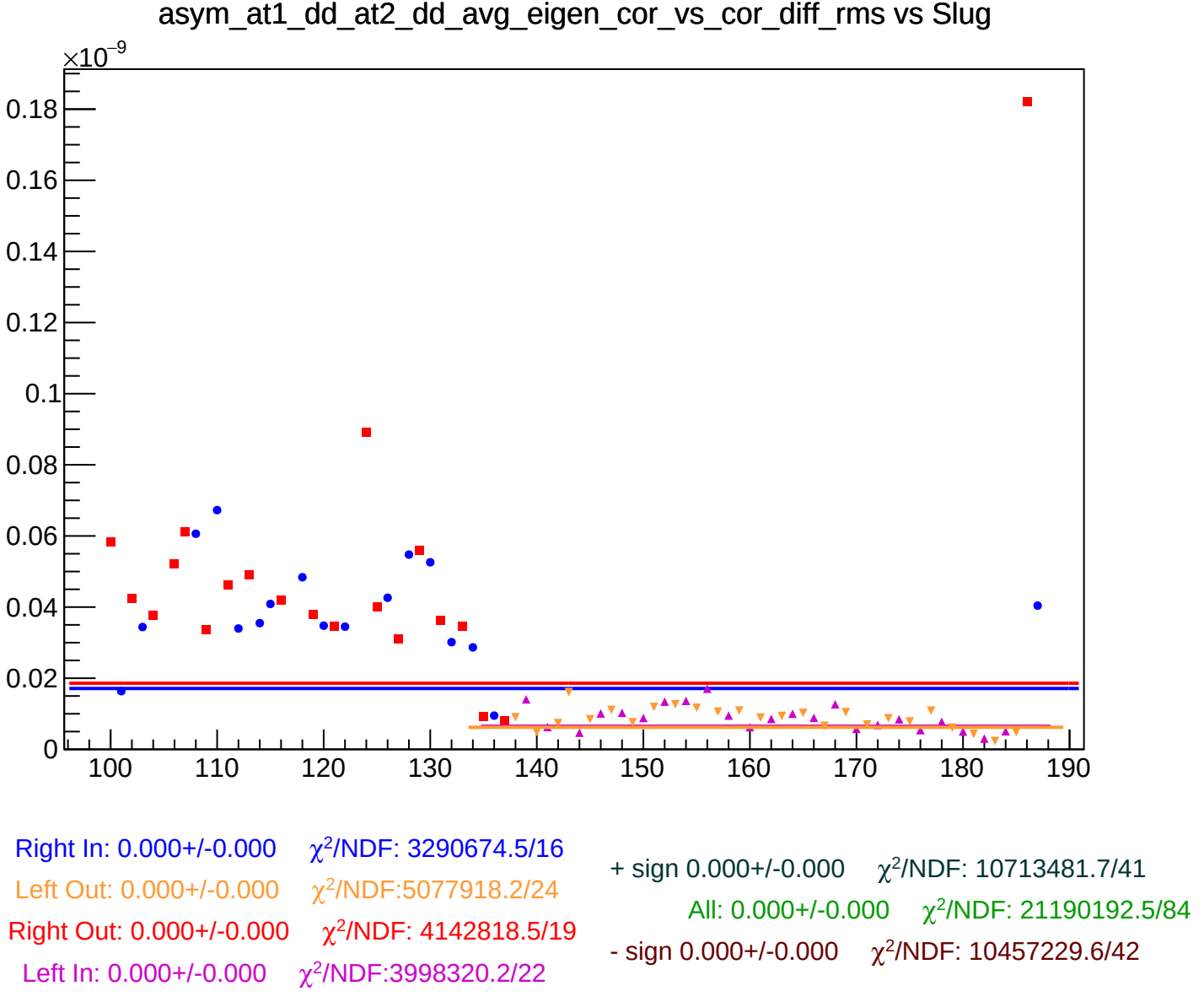
Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/19

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

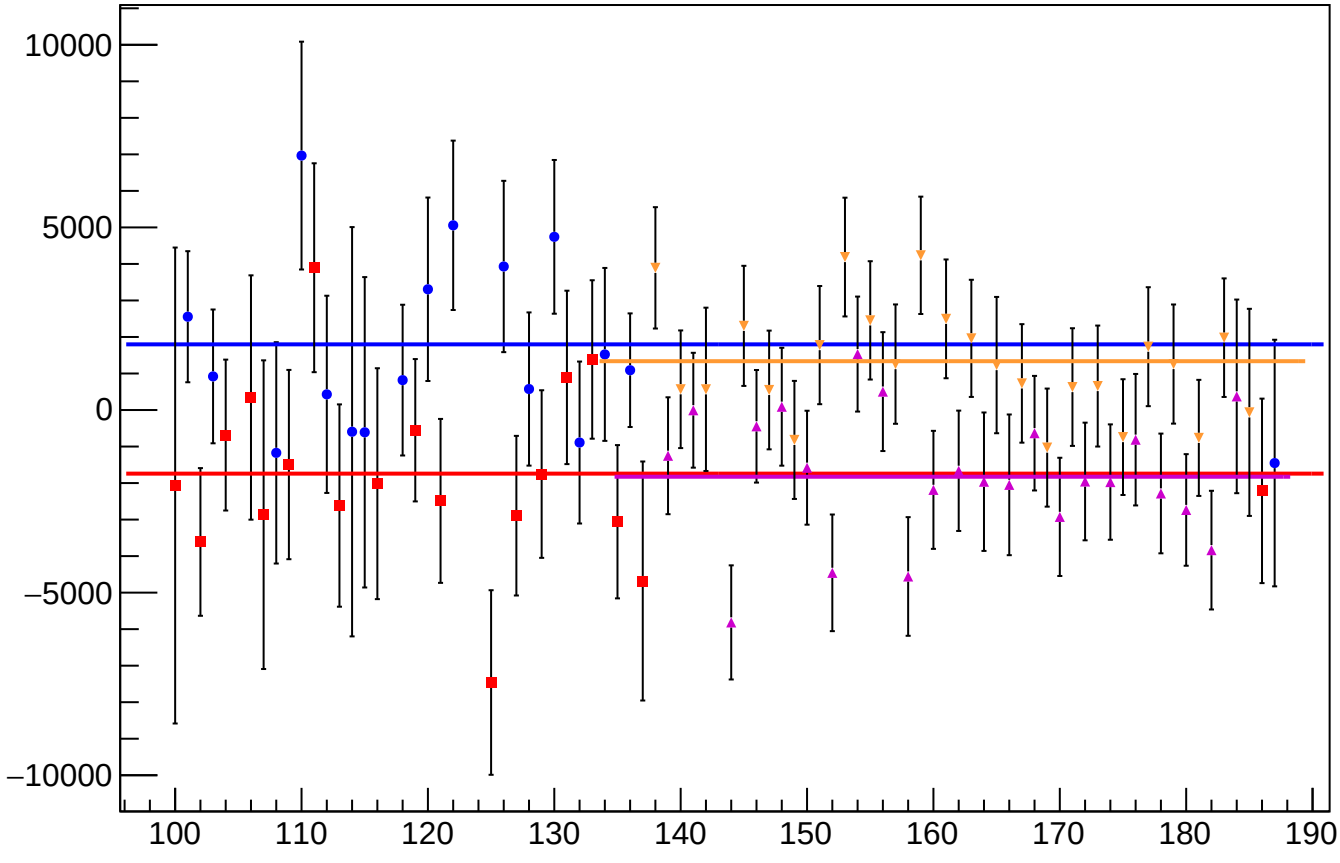
+ sign -0.000+/-0.000 χ^2/NDF: 40.0/41

All: 0.000+/-0.000 χ^2/NDF: 92.9/84

- sign 0.000+/-0.000 χ^2/NDF: 51.3/42


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3290674.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4142818.5/19
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10713481.7/41
All: 0.000+/-0.000 χ²/NDF: 21190192.5/84
- sign 0.000+/-0.000 χ²/NDF: 10457229.6/42

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1798.080+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1741.628+/-574.088 χ^2/NDF: 16.0/18

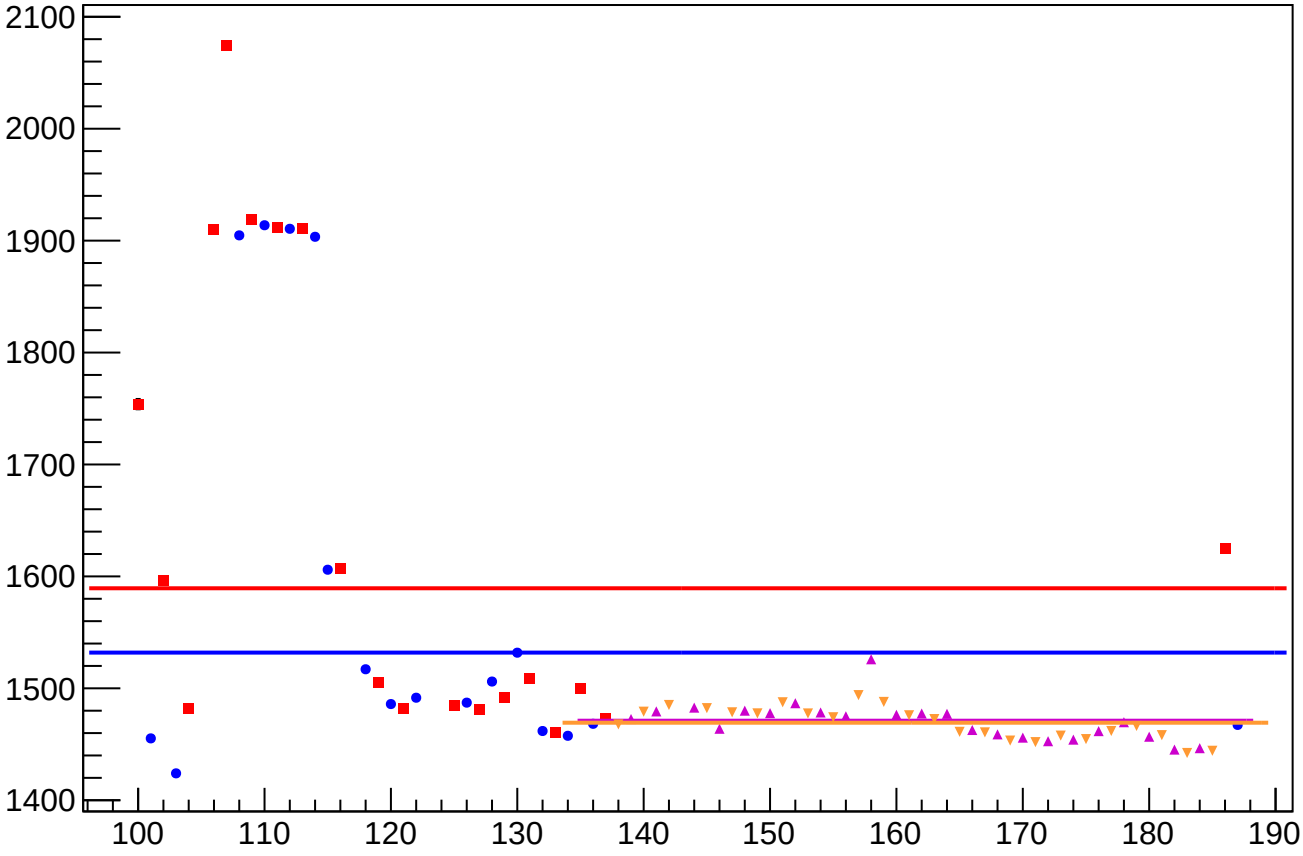
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.379+/-291.845 χ^2/NDF: 32.9/40

All: -155.724+/-207.386 χ^2/NDF: 137.3/82

- sign -1804.199+/-294.753 χ^2/NDF: 42.5/41

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.3/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

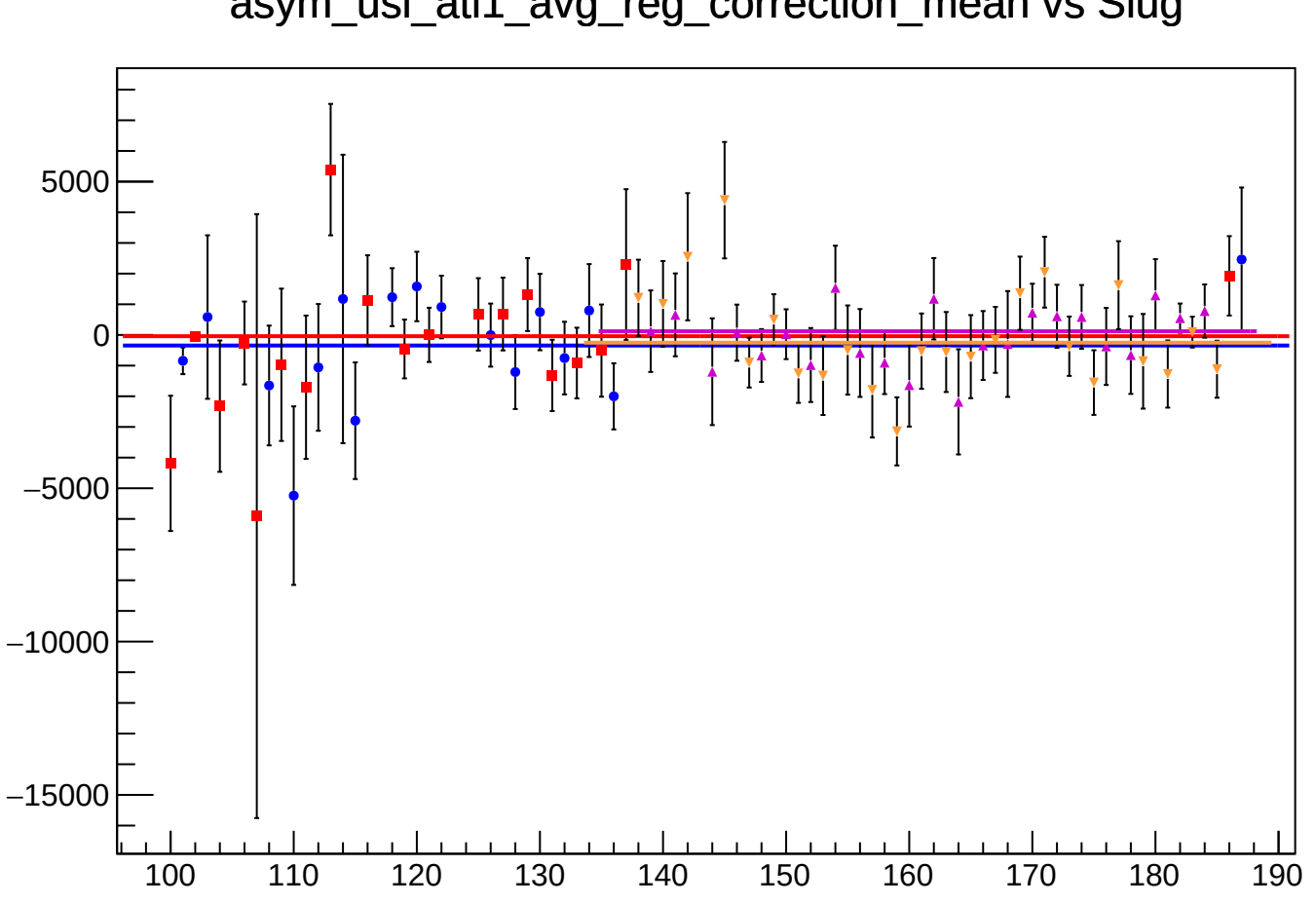
Right Out: 1589.388+/-0.406 χ^2/NDF: 172401.9/18

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.030+/-0.206 χ^2/NDF: 151241.6/40

All: 1494.058+/-0.147 χ^2/NDF: 393919.1/82

- sign 1502.248+/-0.208 χ^2/NDF: 239619.8/41



Right In: -345.077+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -40.812+/-127.084 χ^2/NDF: 20.1/18

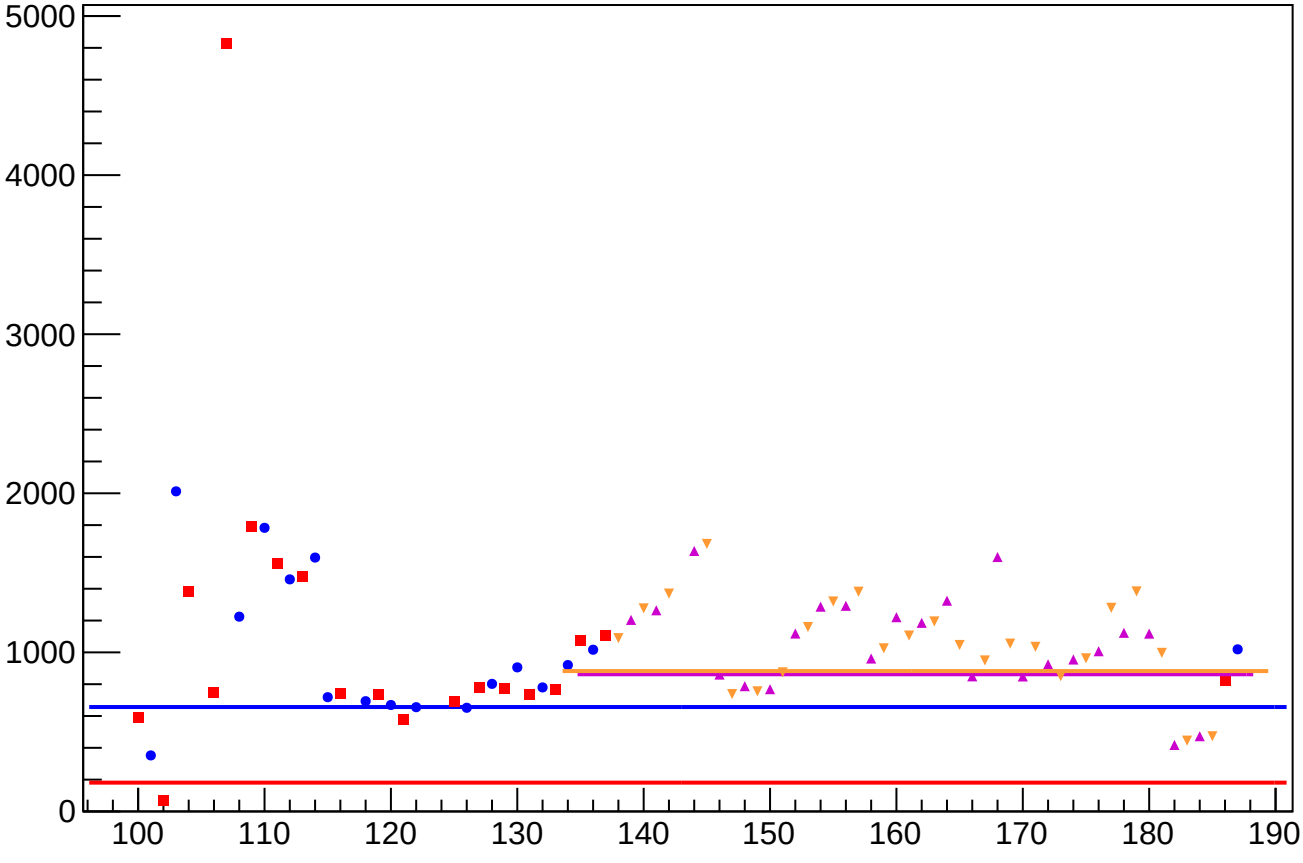
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

\+ sign -288.506+/-169.887 χ^2/NDF: 52.4/40

All: -84.359+/-92.056 χ^2/NDF: 87.8/82

\- sign 0.496+/-109.529 χ^2/NDF: 33.3/41

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 656.399+/-0.191 χ^2/NDF: 2811043.2/16

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 181.174+/-0.090 χ^2/NDF: 10262438.1/18

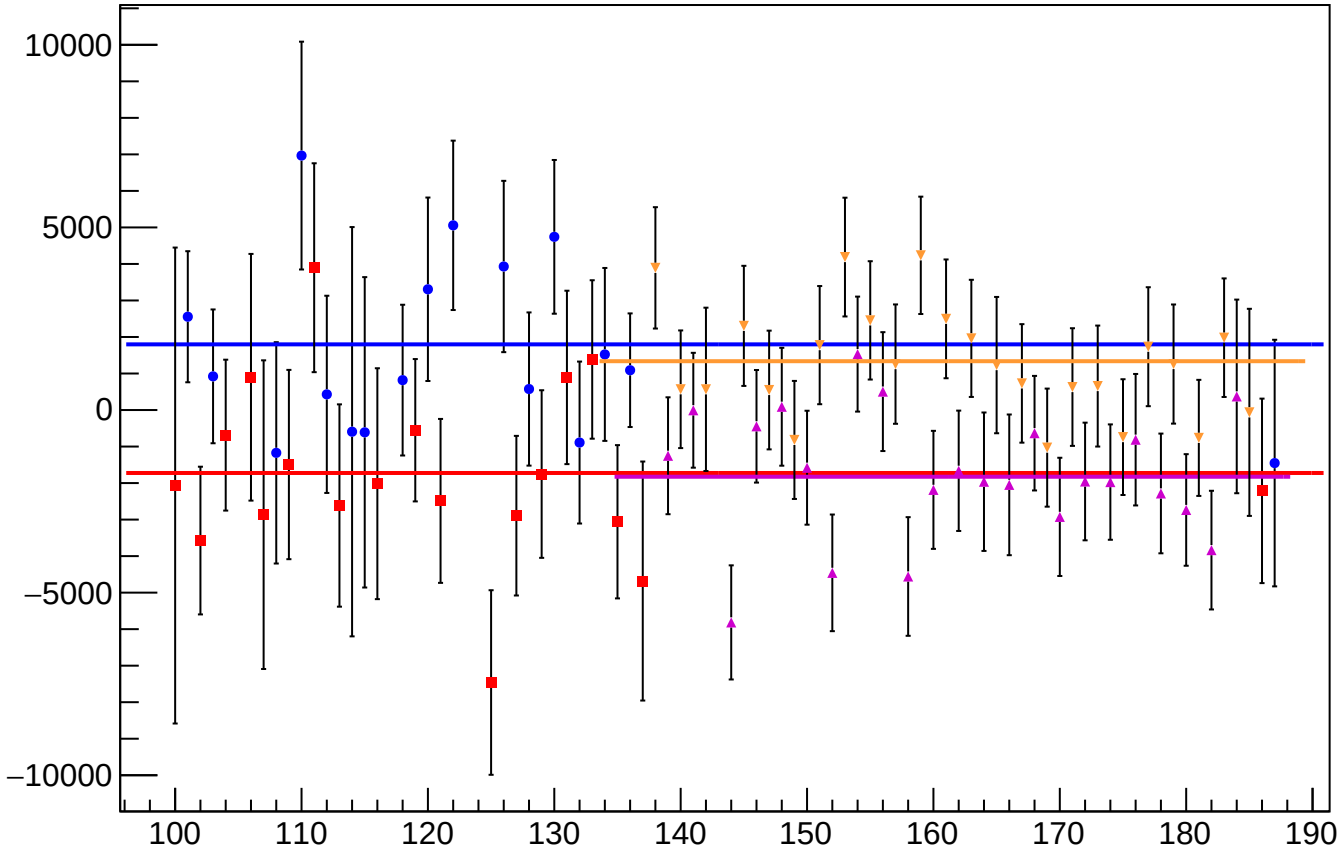
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 793.206+/-0.120 χ^2/NDF: 7558184.5/40

All: 484.618+/-0.065 χ^2/NDF: 46307562.2/82

- sign 356.351+/-0.077 χ^2/NDF: 29407739.8/41

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1798.173+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1723.683+/-574.255 χ^2/NDF: 16.2/18

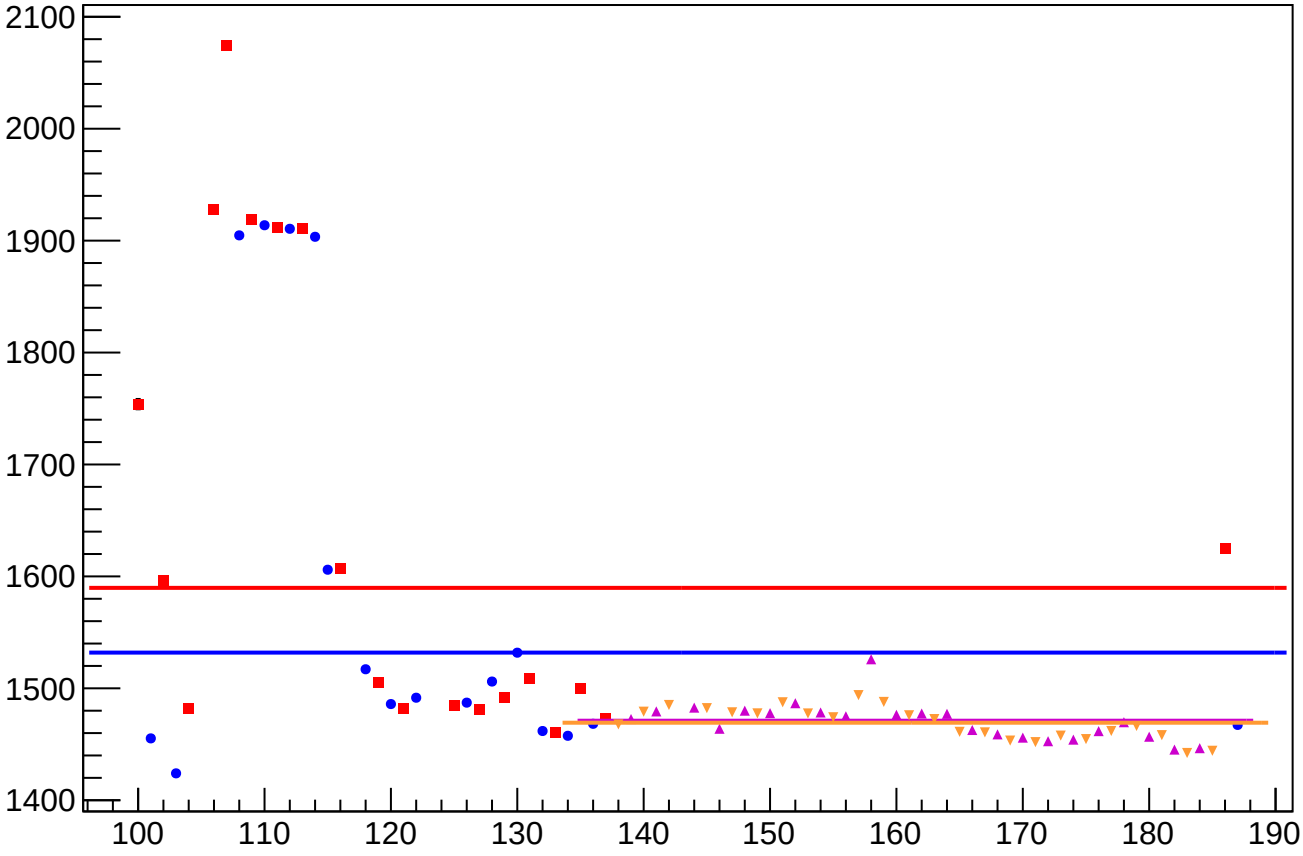
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.411+/-291.845 χ^2/NDF: 32.9/40

All: -153.263+/-207.394 χ^2/NDF: 137.3/82

- sign -1799.514+/-294.776 χ^2/NDF: 42.7/41

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.2/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

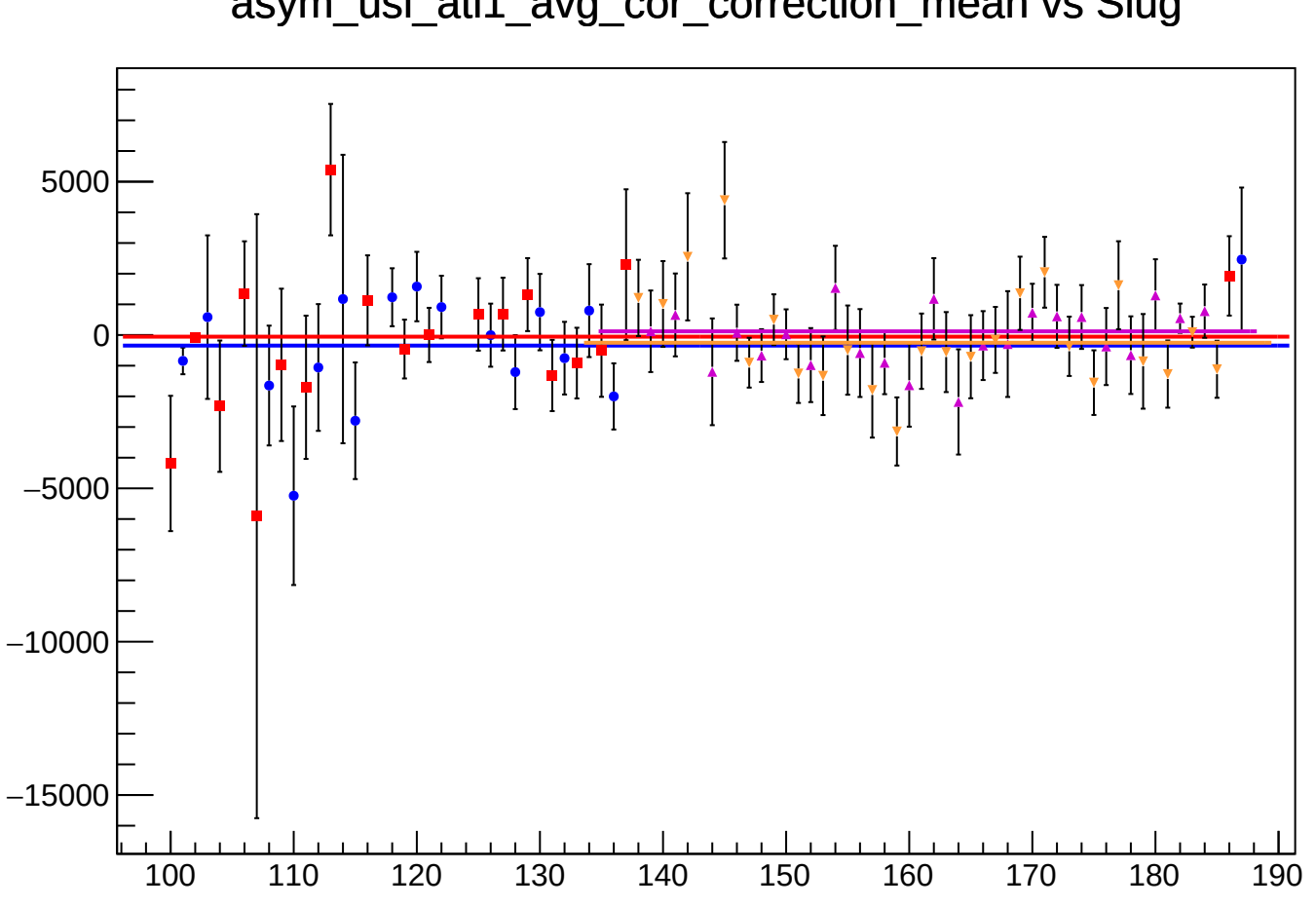
Right Out: 1589.755+/-0.406 χ^2/NDF: 174172.0/18

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.030+/-0.206 χ^2/NDF: 151241.6/40

All: 1494.099+/-0.147 χ^2/NDF: 396081.2/82

- sign 1502.331+/-0.208 χ^2/NDF: 241750.8/41



Right In: -345.044+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -54.182+/-137.357 χ^2/NDF: 20.9/18

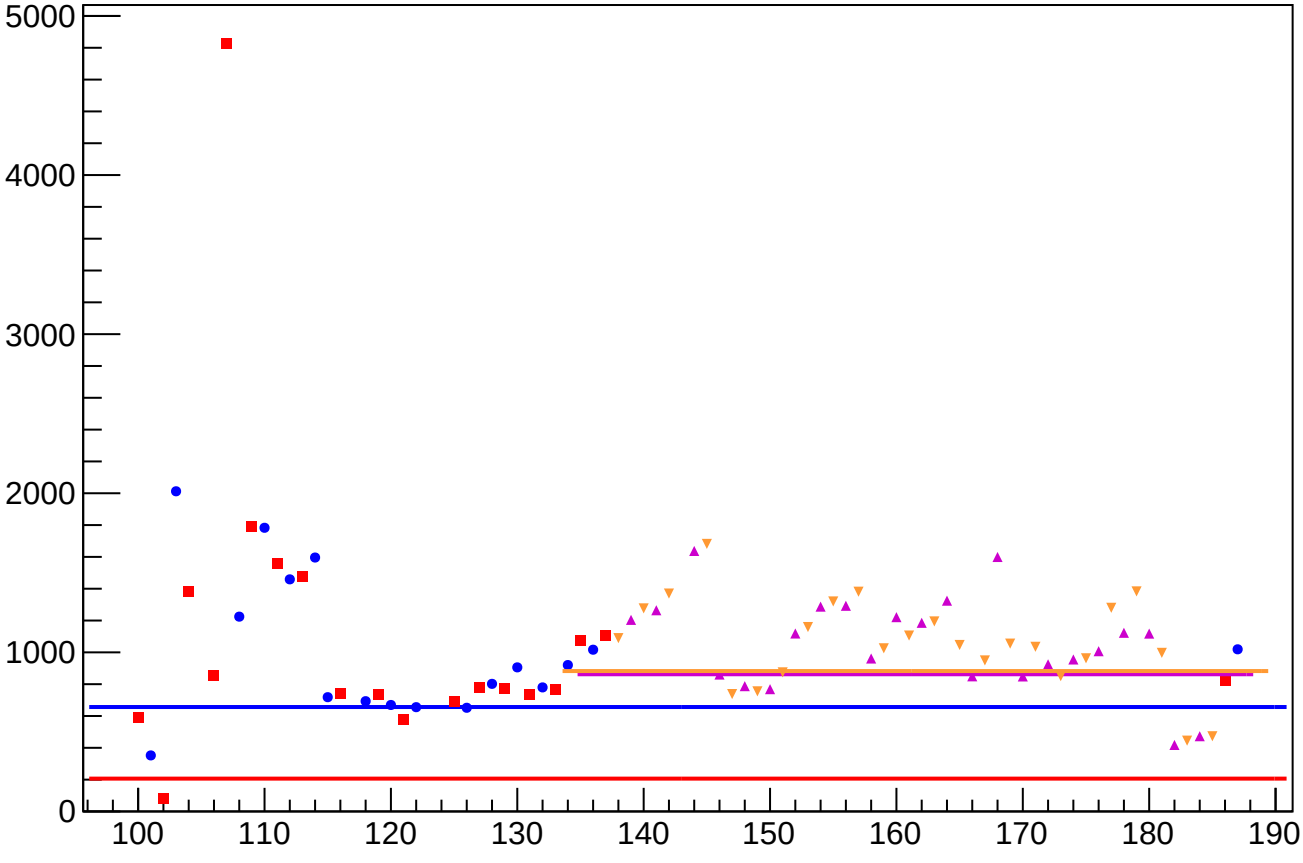
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -288.479+/-169.887 χ^2/NDF: 52.4/40

All: -94.398+/-95.743 χ^2/NDF: 88.5/82

- sign -4.063+/-115.903 χ^2/NDF: 34.1/41

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 656.397+/-0.191 χ^2/NDF: 2811066.9/16

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 206.400+/-0.097 χ^2/NDF: 9748320.9/18

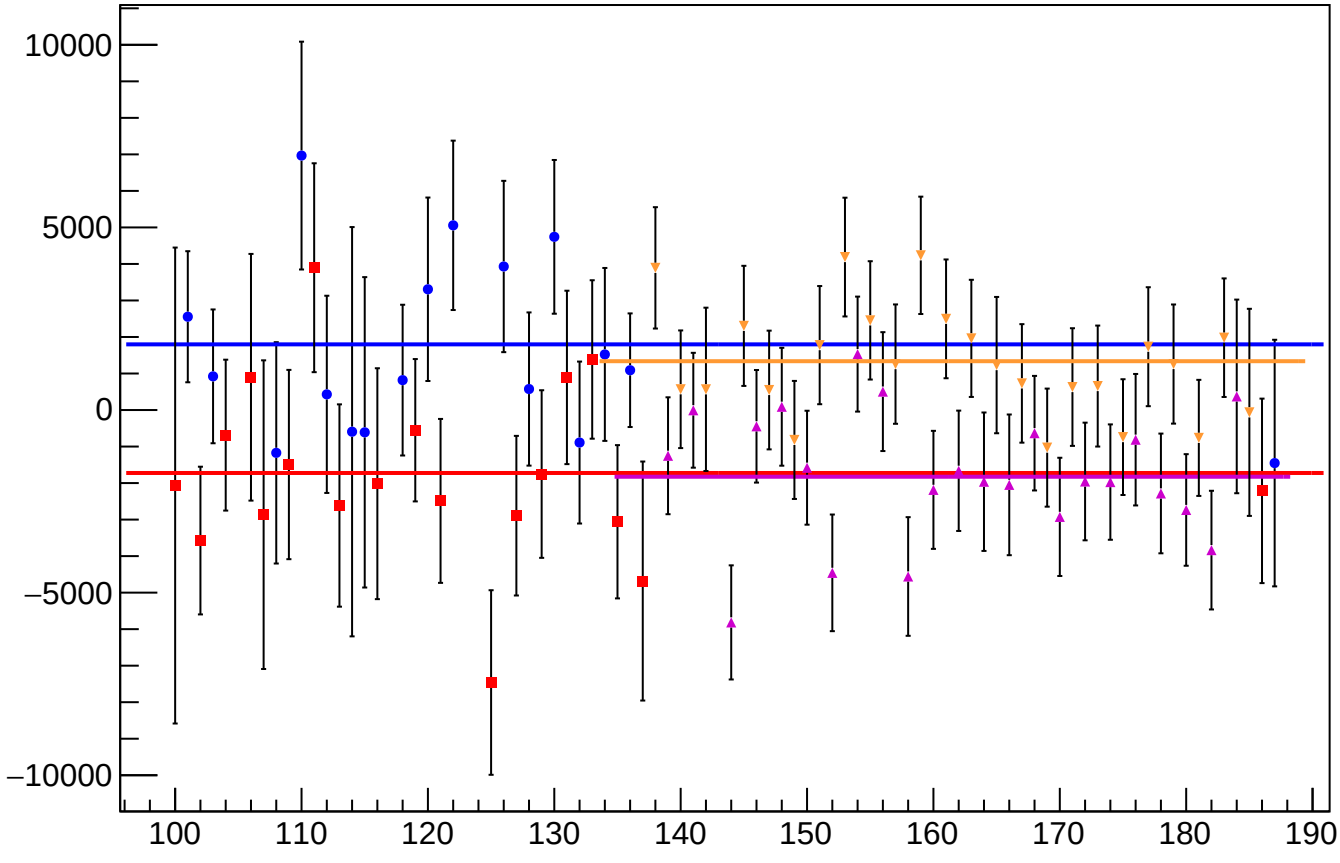
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 793.199+/-0.120 χ^2/NDF: 7558484.2/40

All: 521.674+/-0.068 χ^2/NDF: 42296638.5/82

- sign 395.294+/-0.082 χ^2/NDF: 27251269.5/41

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1798.173+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1723.683+/-574.255 χ^2/NDF: 16.2/18

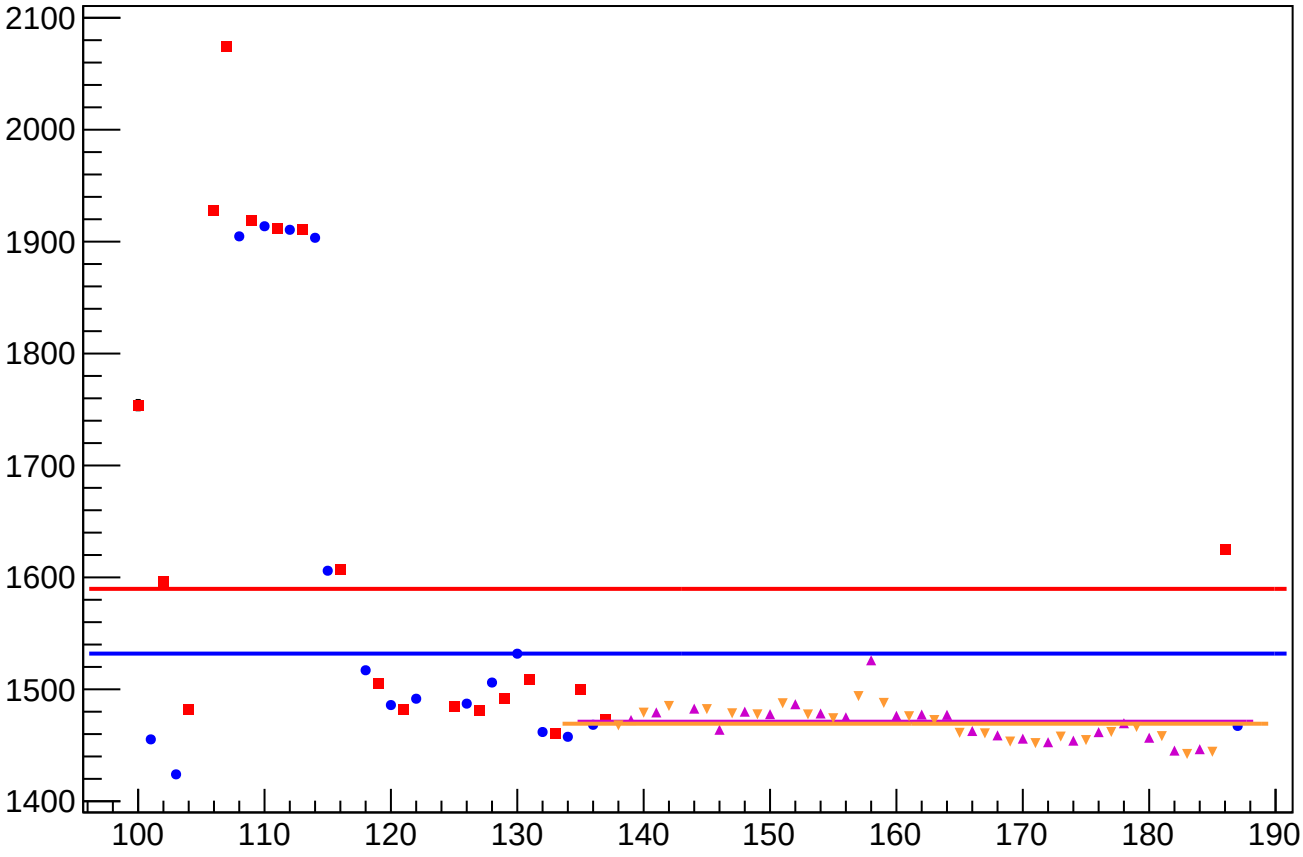
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1460.411+/-291.845 χ^2/NDF: 32.9/40

All: -153.263+/-207.394 χ^2/NDF: 137.3/82

- sign -1799.514+/-294.776 χ^2/NDF: 42.7/41

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.2/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

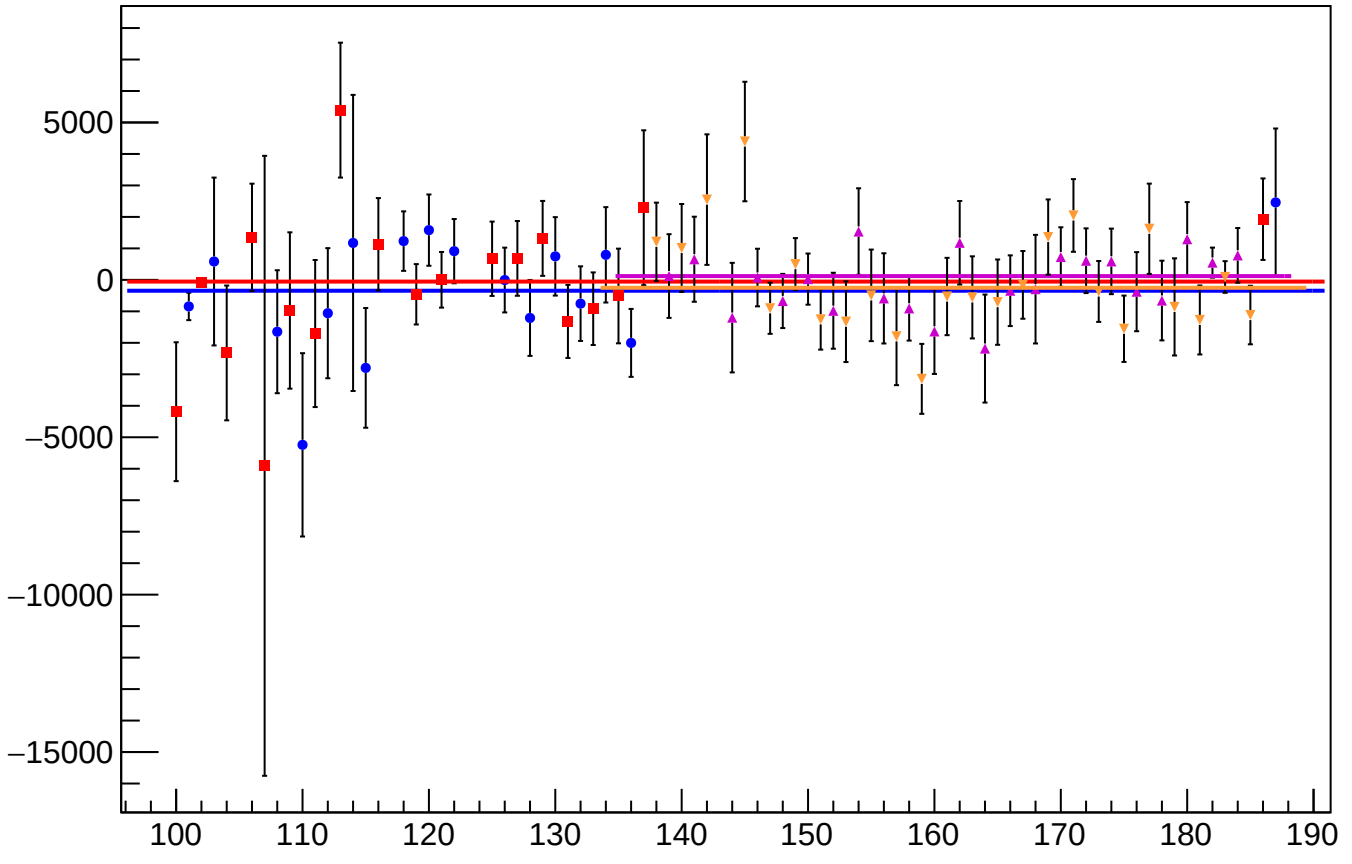
Right Out: 1589.755+/-0.406 χ^2/NDF: 174172.0/18

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1486.030+/-0.206 χ^2/NDF: 151241.6/40

All: 1494.099+/-0.147 χ^2/NDF: 396081.2/82

- sign 1502.331+/-0.208 χ^2/NDF: 241750.8/41



Right In: -345.044+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -54.182+/-137.357 χ^2/NDF: 20.9/18

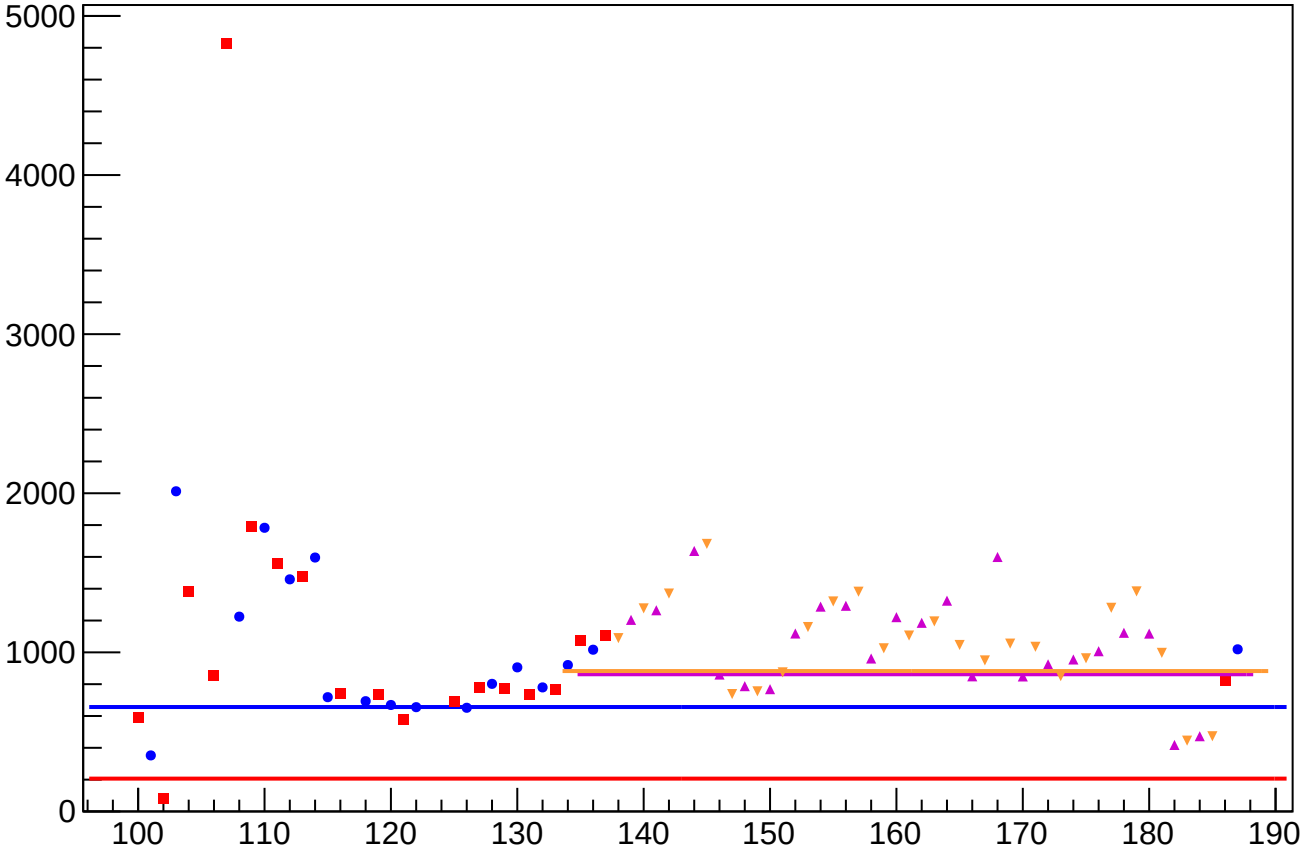
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -288.479+/-169.887 χ^2/NDF: 52.4/40

All: -94.398+/-95.743 χ^2/NDF: 88.5/82

- sign -4.063+/-115.903 χ^2/NDF: 34.1/41

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 656.397+/-0.191 χ^2/NDF: 2811066.9/16

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 206.400+/-0.097 χ^2/NDF: 9748320.9/18

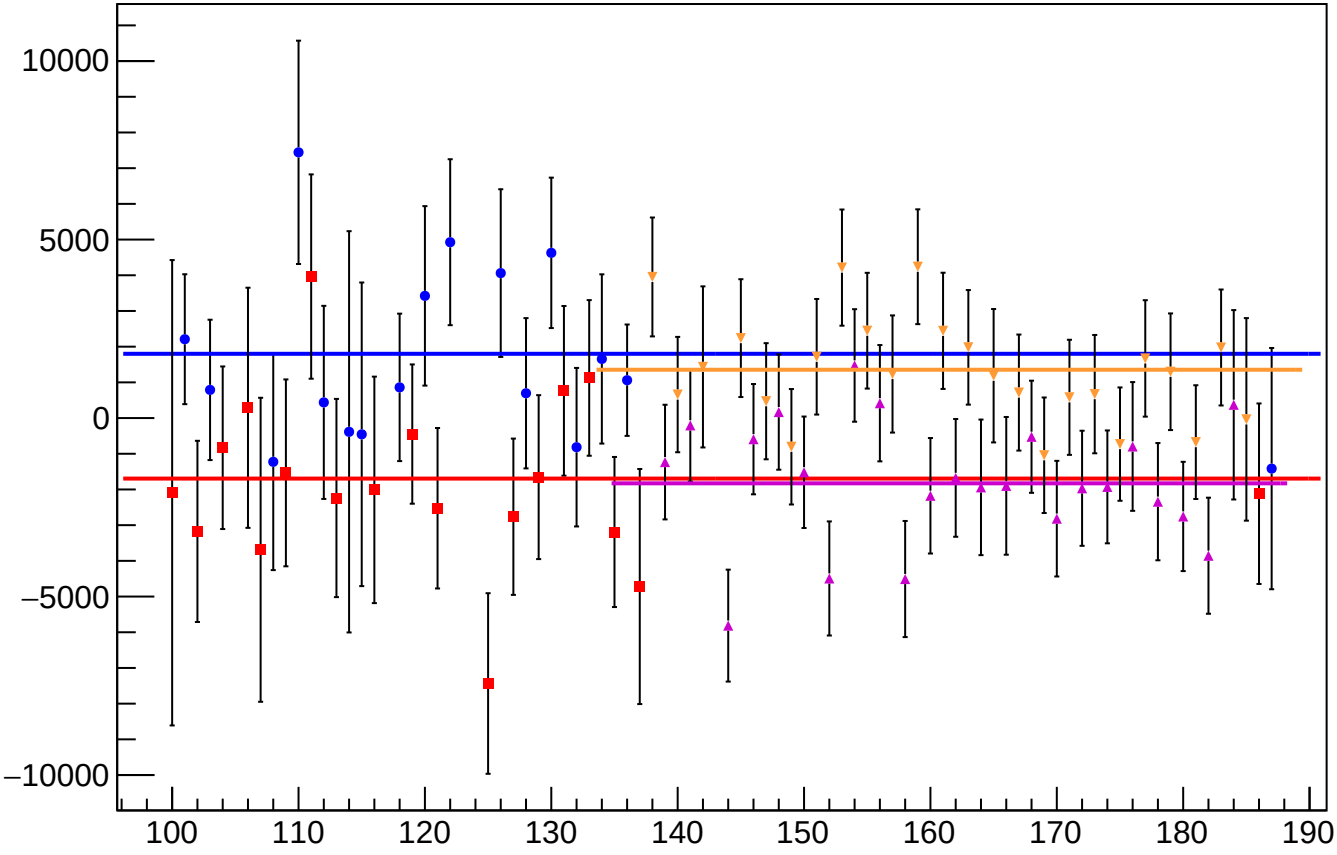
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 793.199+/-0.120 χ^2/NDF: 7558484.2/40

All: 521.674+/-0.068 χ^2/NDF: 42296638.5/82

- sign 395.294+/-0.082 χ^2/NDF: 27251269.5/41

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1800.197+/-569.372 χ^2/NDF: 13.2/16

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1695.189+/-588.239 χ^2/NDF: 15.1/18

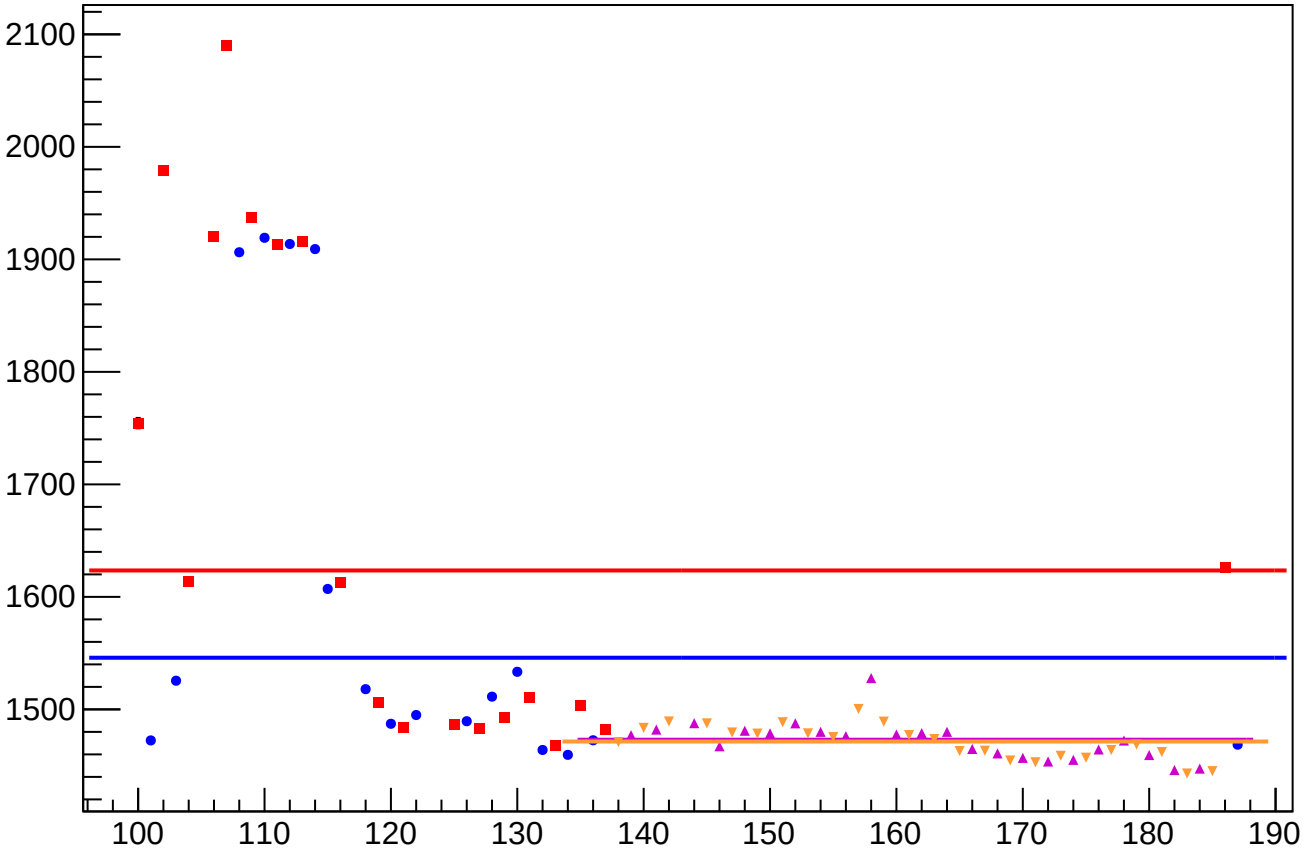
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1471.853+/-292.906 χ^2/NDF: 32.6/40

All: -139.019+/-208.520 χ^2/NDF: 134.9/82

- sign -1794.348+/-296.920 χ^2/NDF: 40.9/41

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1545.916+/-0.403 χ^2/NDF: 120981.9/16

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1623.496+/-0.416 χ^2/NDF: 211536.8/18

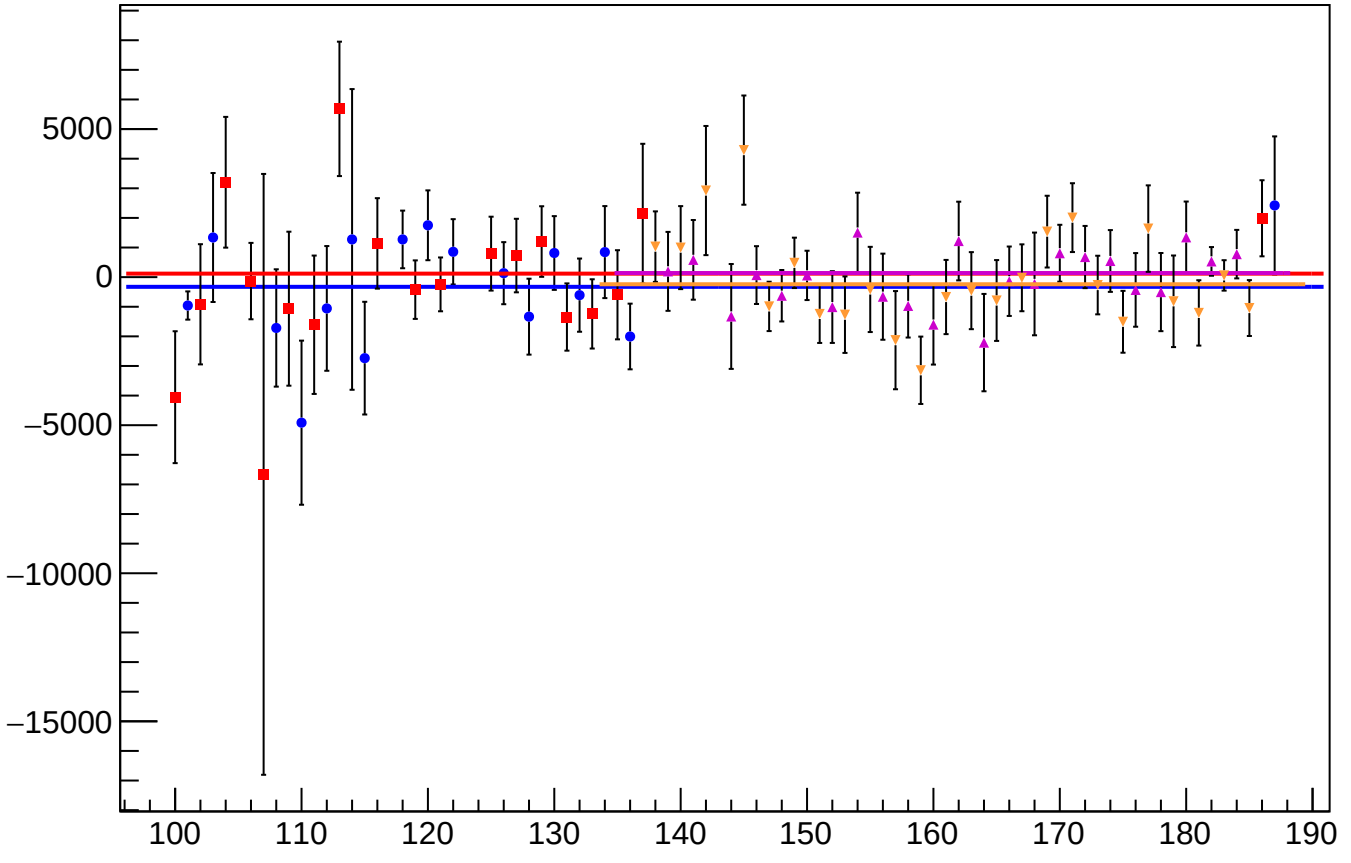
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

\+ sign 1491.147+/-0.207 χ^2/NDF: 149584.1/40

All: 1501.126+/-0.147 χ^2/NDF: 468072.1/82

\- sign 1511.380+/-0.210 χ^2/NDF: 313781.4/41

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -327.176+/-284.436 χ^2/NDF: 20.3/16

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 118.443+/-330.098 χ^2/NDF: 21.3/18

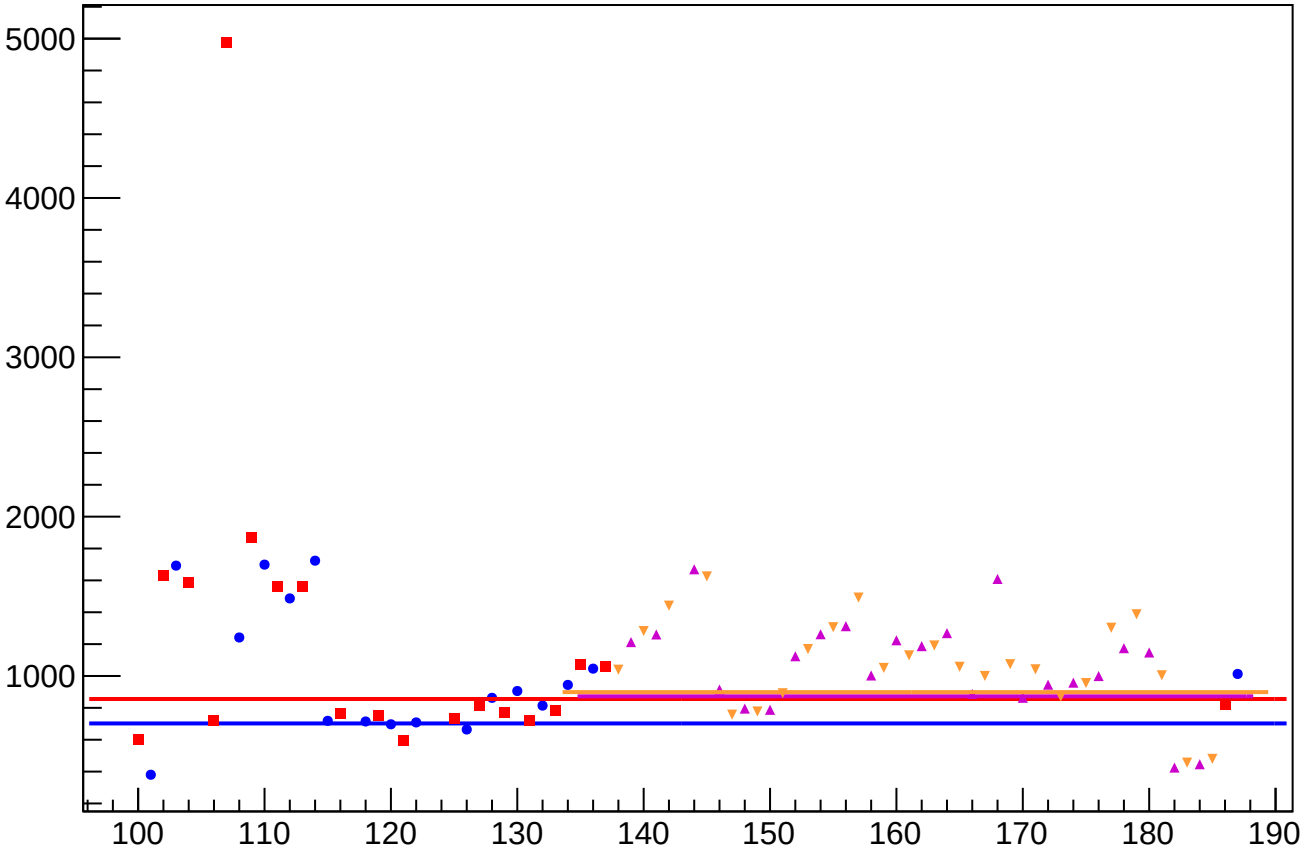
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -273.129+/-174.902 χ^2/NDF: 52.8/40

All: -78.667+/-126.171 χ^2/NDF: 89.7/82

- sign 132.335+/-182.188 χ^2/NDF: 34.3/41

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 702.210+/-0.201 χ^2/NDF: 2471640.8/16

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 855.641+/-0.233 χ^2/NDF: 1883727.8/18

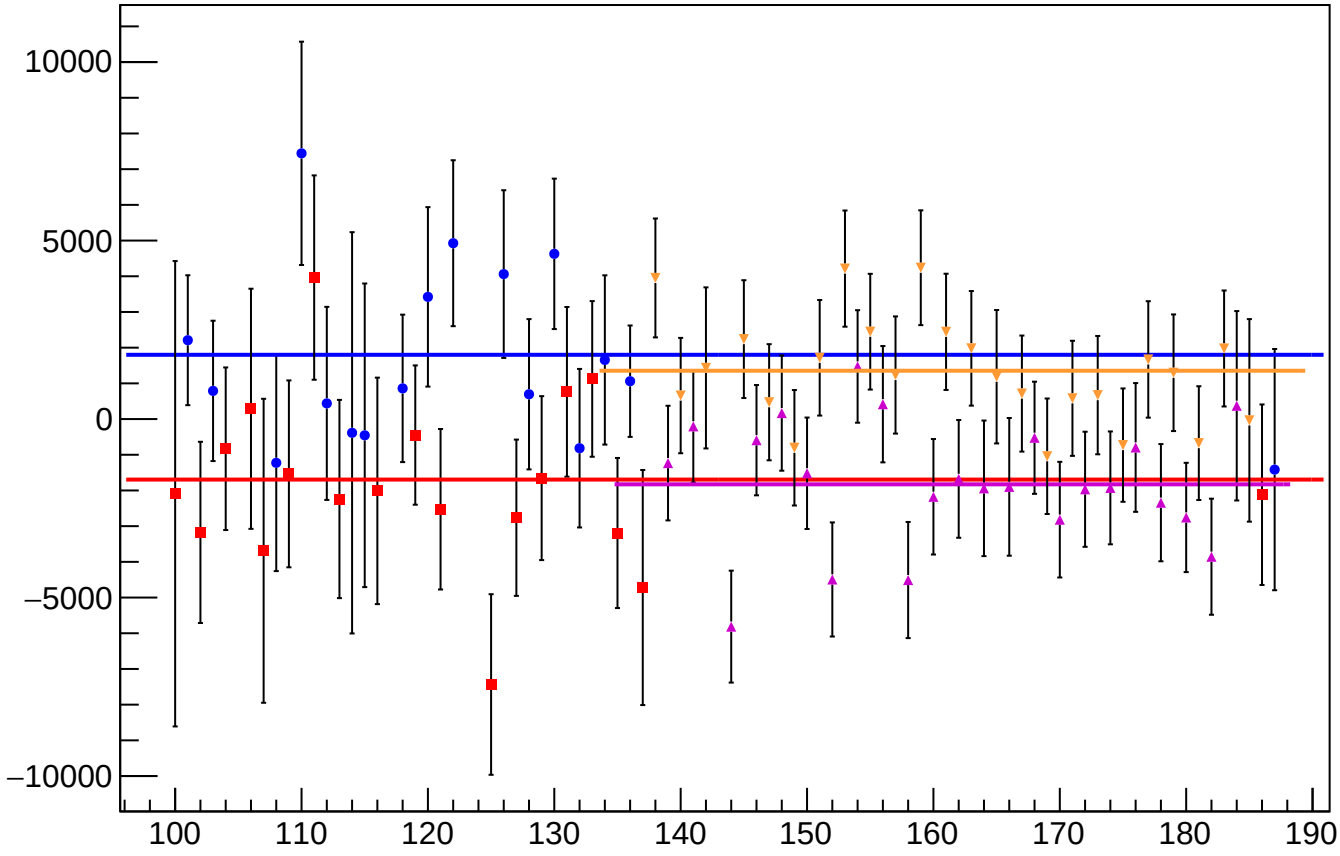
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 824.498+/-0.124 χ^2/NDF: 6857617.8/40

All: 845.047+/-0.089 χ^2/NDF: 13238045.1/82

- sign 867.345+/-0.129 χ^2/NDF: 6322859.7/41

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 1800.195+/-569.372 χ^2/NDF: 13.2/16

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1695.187+/-588.239 χ^2/NDF: 15.1/18

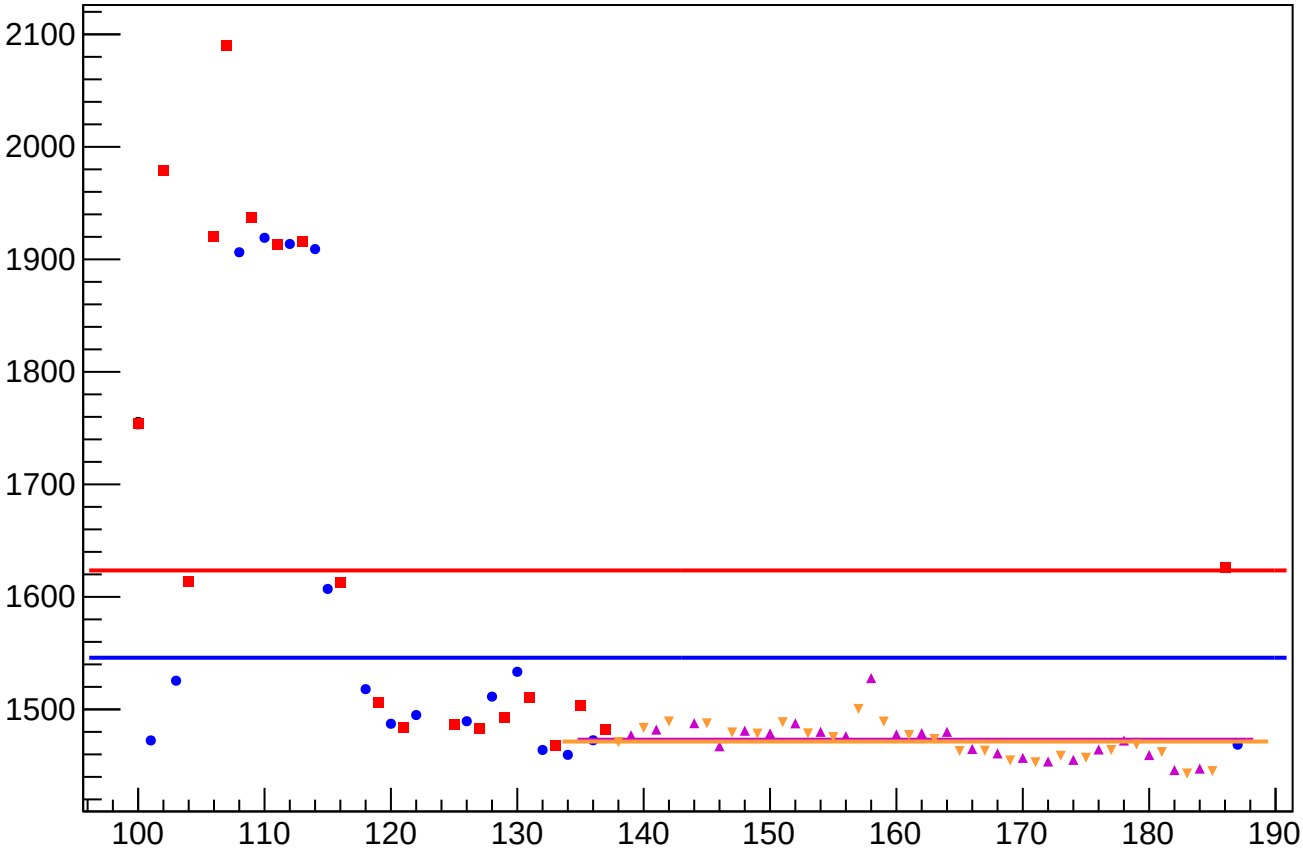
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1471.851+/-292.906 χ^2/NDF: 32.6/40

All: -139.020+/-208.520 χ^2/NDF: 134.9/82

- sign -1794.348+/-296.920 χ^2/NDF: 40.9/41

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1545.916+/-0.403 χ^2/NDF: 120981.9/16

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

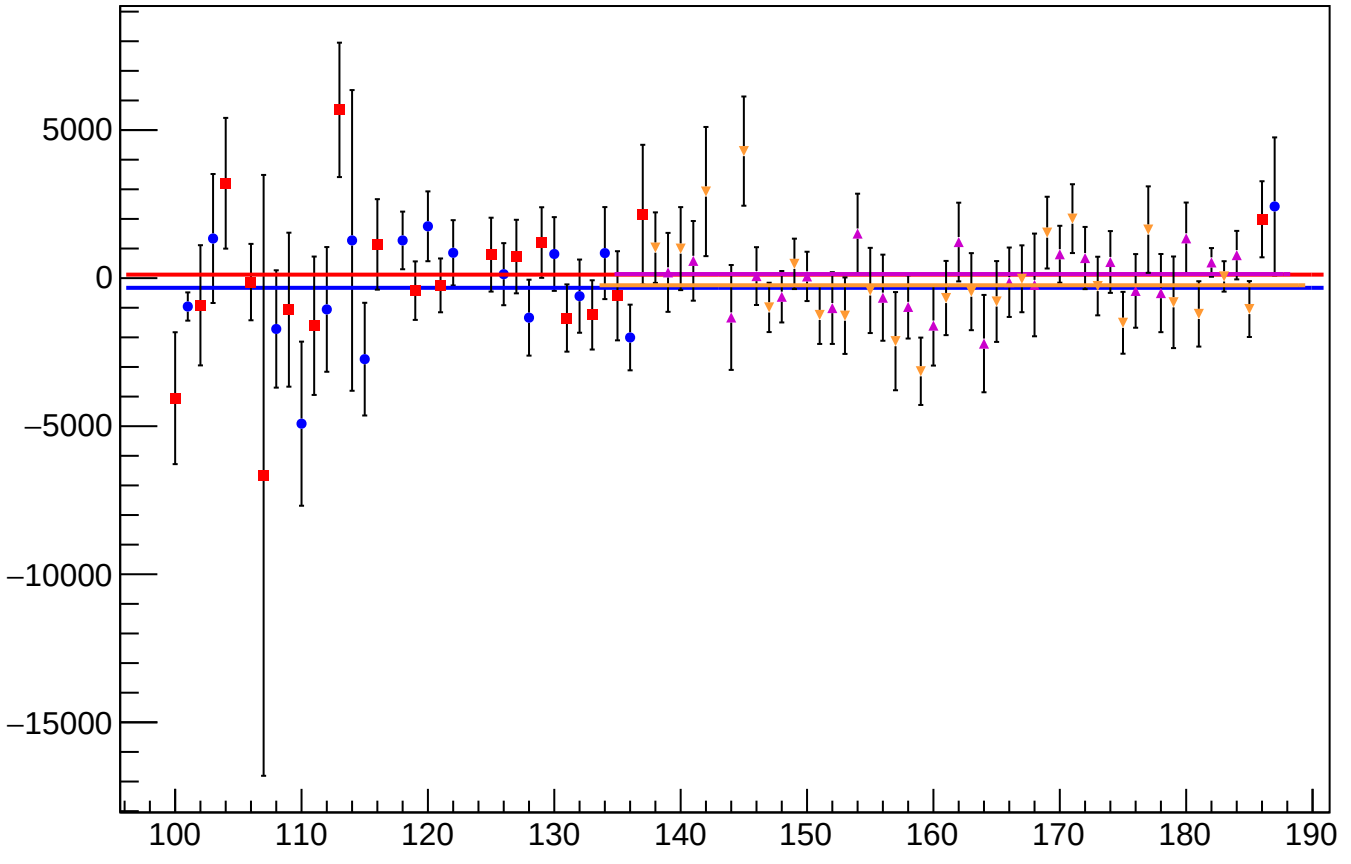
Right Out: 1623.496+/-0.416 χ^2/NDF: 211536.6/18

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1491.147+/-0.207 χ^2/NDF: 149584.0/40

All: 1501.126+/-0.147 χ^2/NDF: 468071.5/82

- sign 1511.380+/-0.210 χ^2/NDF: 313780.9/41



Right In: -327.175+/-284.436 χ^2/NDF: 20.3/16

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 118.442+/-330.098 χ^2/NDF: 21.3/18

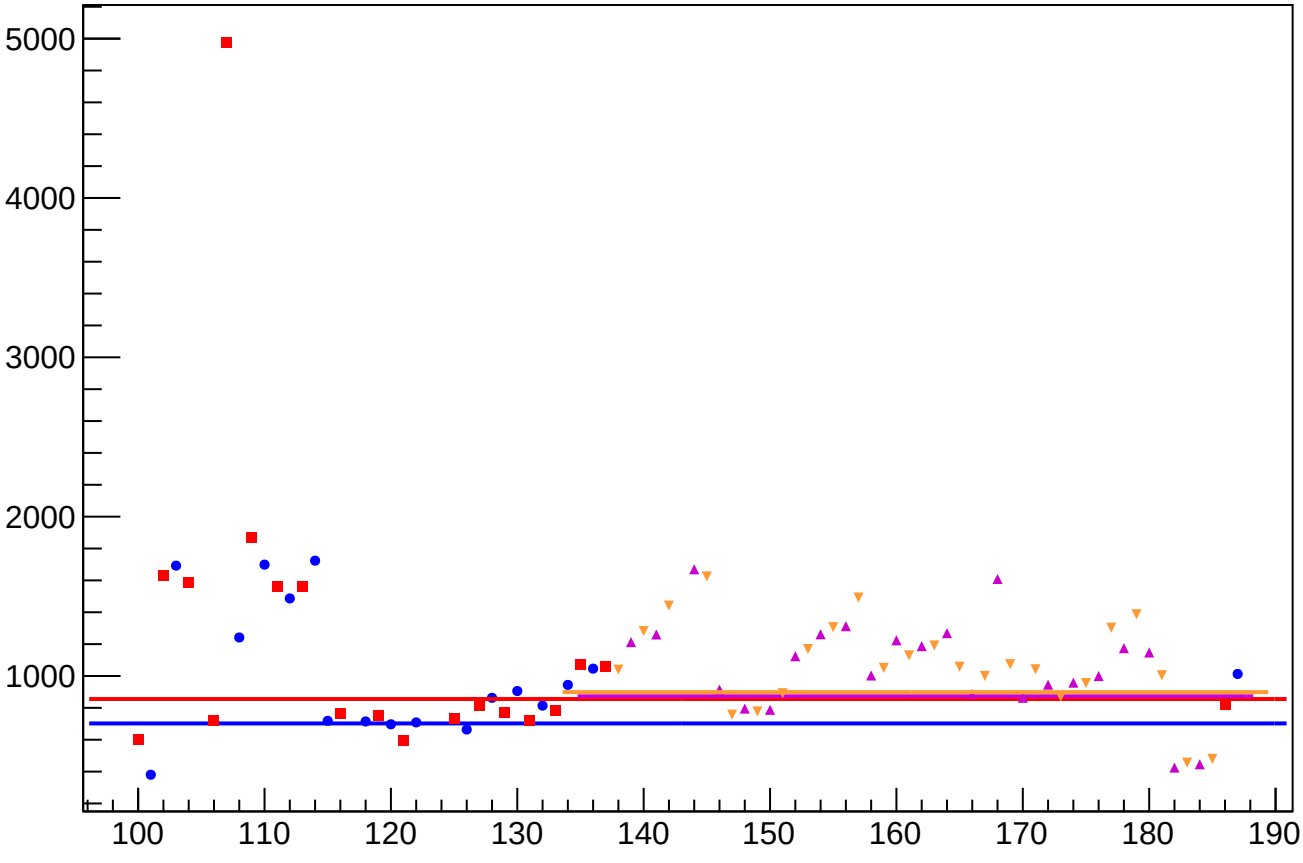
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -273.129+/-174.902 χ^2/NDF: 52.8/40

All: -78.667+/-126.171 χ^2/NDF: 89.7/82

\- sign 132.335+/-182.188 χ^2/NDF: 34.3/41

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 702.210+/-0.201 χ^2/NDF: 2471633.7/16

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 855.640+/-0.233 χ^2/NDF: 1883737.2/18

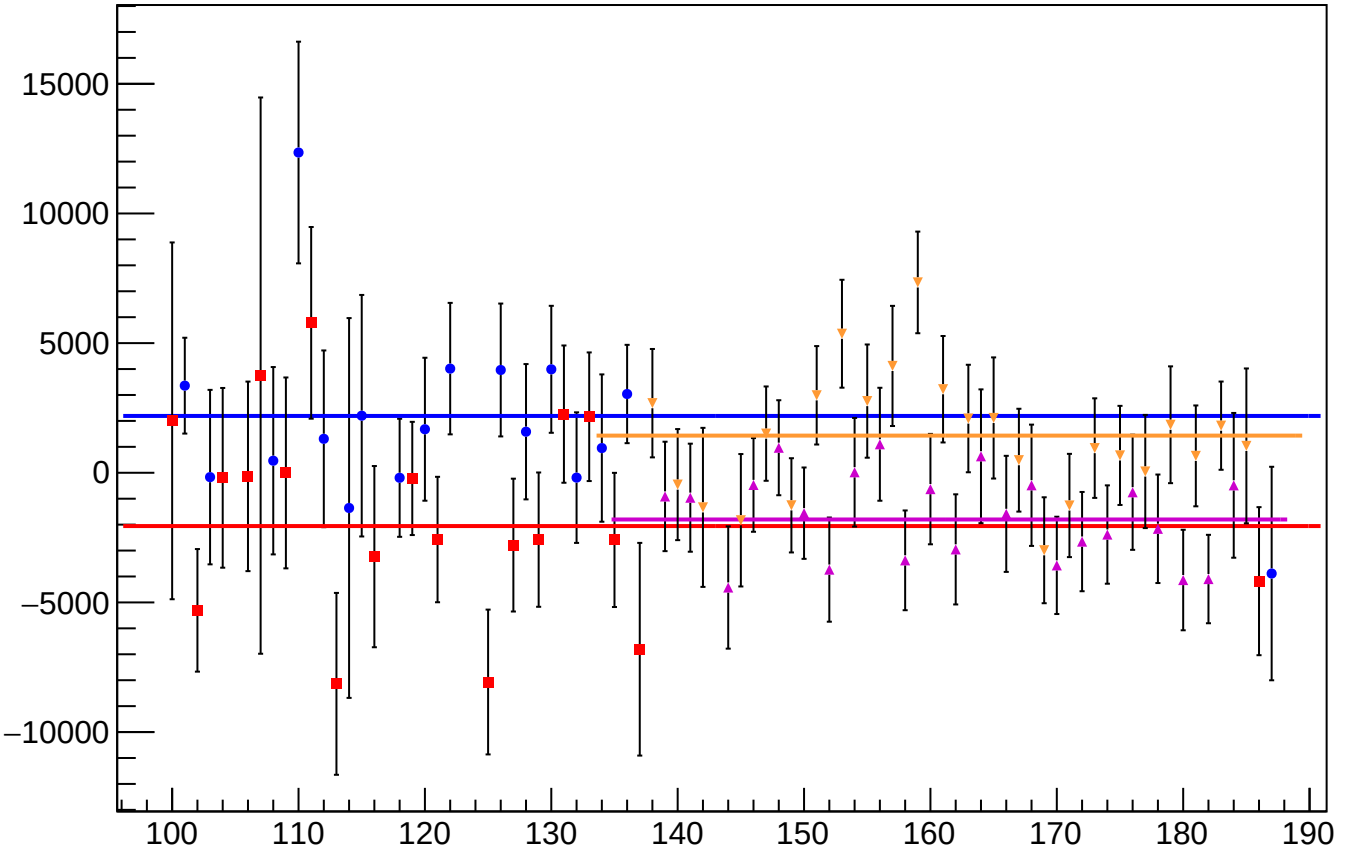
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 824.498+/-0.124 χ^2/NDF: 6857623.9/40

All: 845.048+/-0.089 χ^2/NDF: 13238068.6/82

- sign 867.345+/-0.129 χ^2/NDF: 6322877.8/41

asym_usl_atl1_avg_mean vs Slug



Right In: 2191.700+/-669.895 χ^2/NDF: 13.3/16

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2055.105+/-686.093 χ^2/NDF: 24.0/18

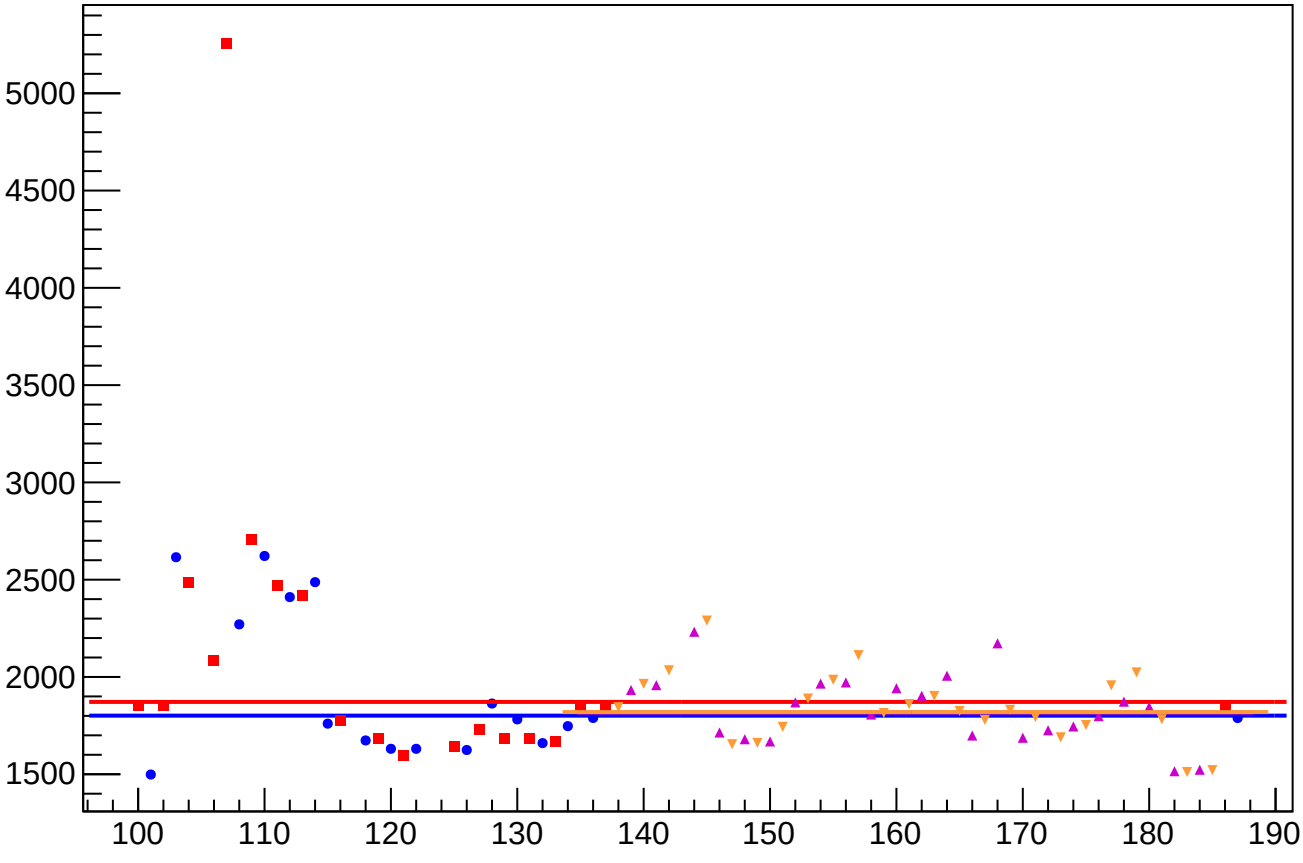
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1650.570+/-358.548 χ^2/NDF: 43.6/40

All: -92.937+/-254.816 χ^2/NDF: 130.8/82

- sign -1872.212+/-362.207 χ^2/NDF: 39.4/41

asym_usl_atl1_avg_rms vs Slug



Right In: 1801.197+/-0.474 χ^2/NDF: 400720.6/16

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

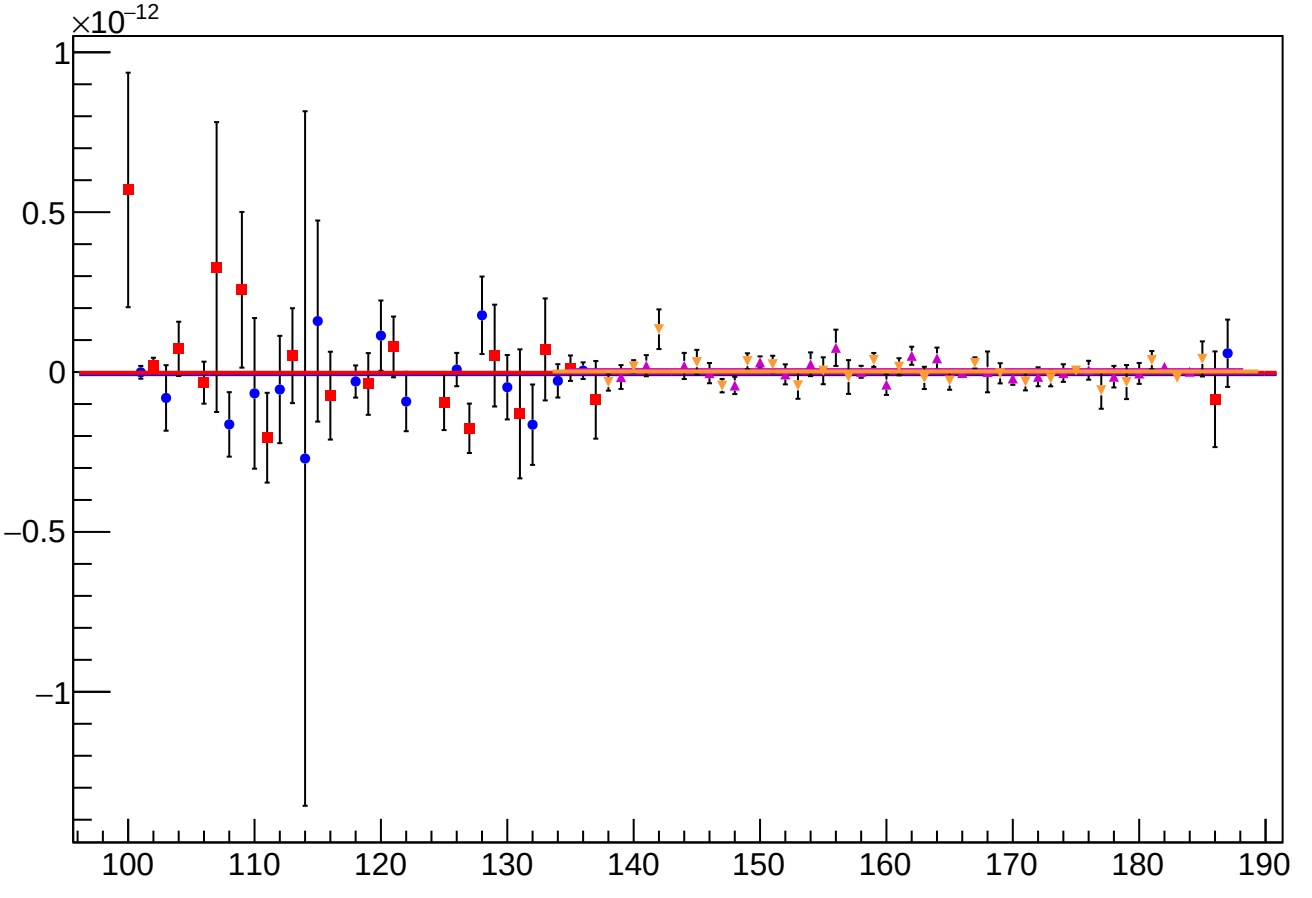
Right Out: 1871.771+/-0.485 χ^2/NDF: 570245.9/18

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1814.198+/-0.254 χ^2/NDF: 696791.4/40

All: 1823.190+/-0.180 χ^2/NDF: 1585828.5/82

- sign 1832.367+/-0.256 χ^2/NDF: 886495.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 10.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

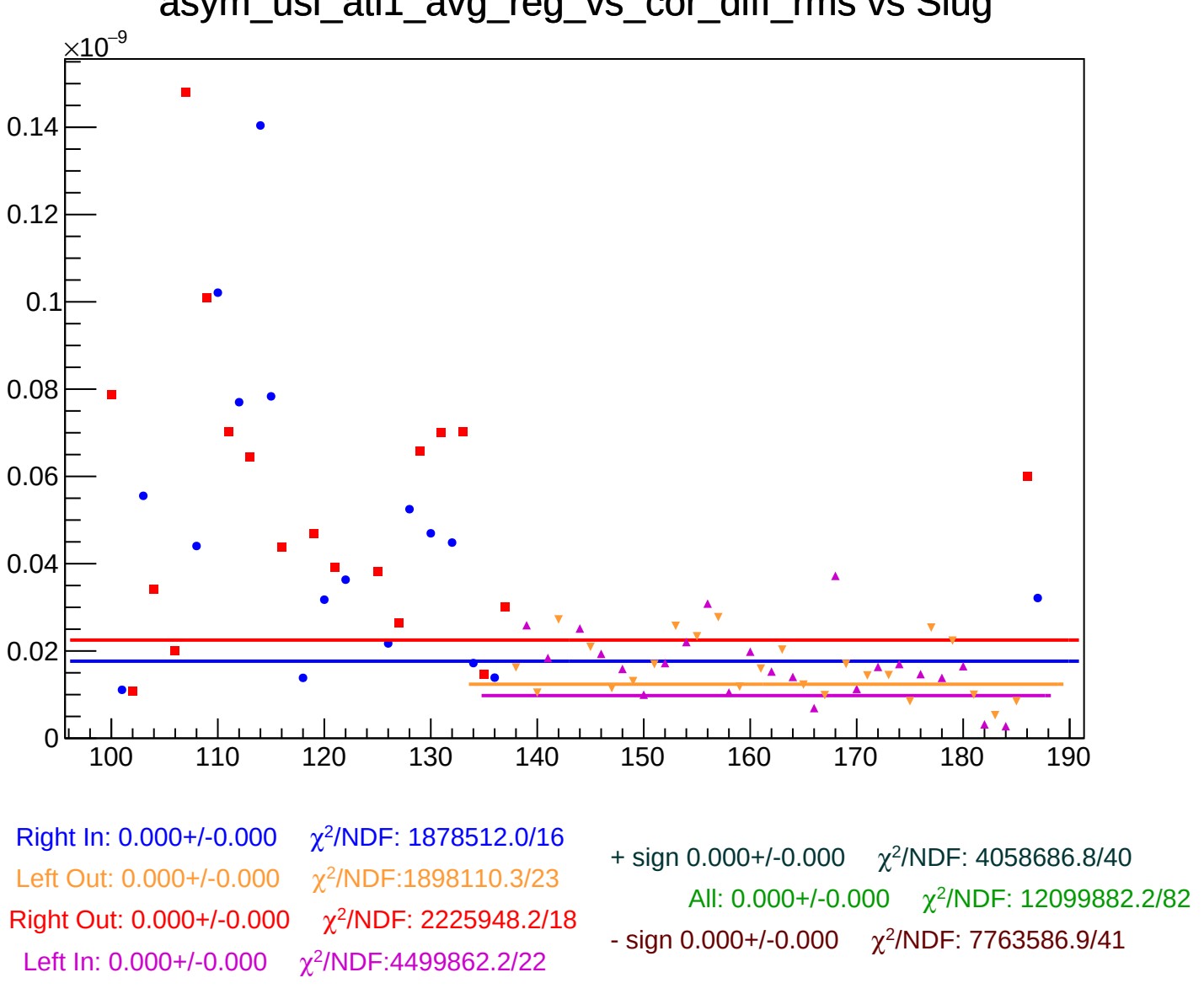
Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

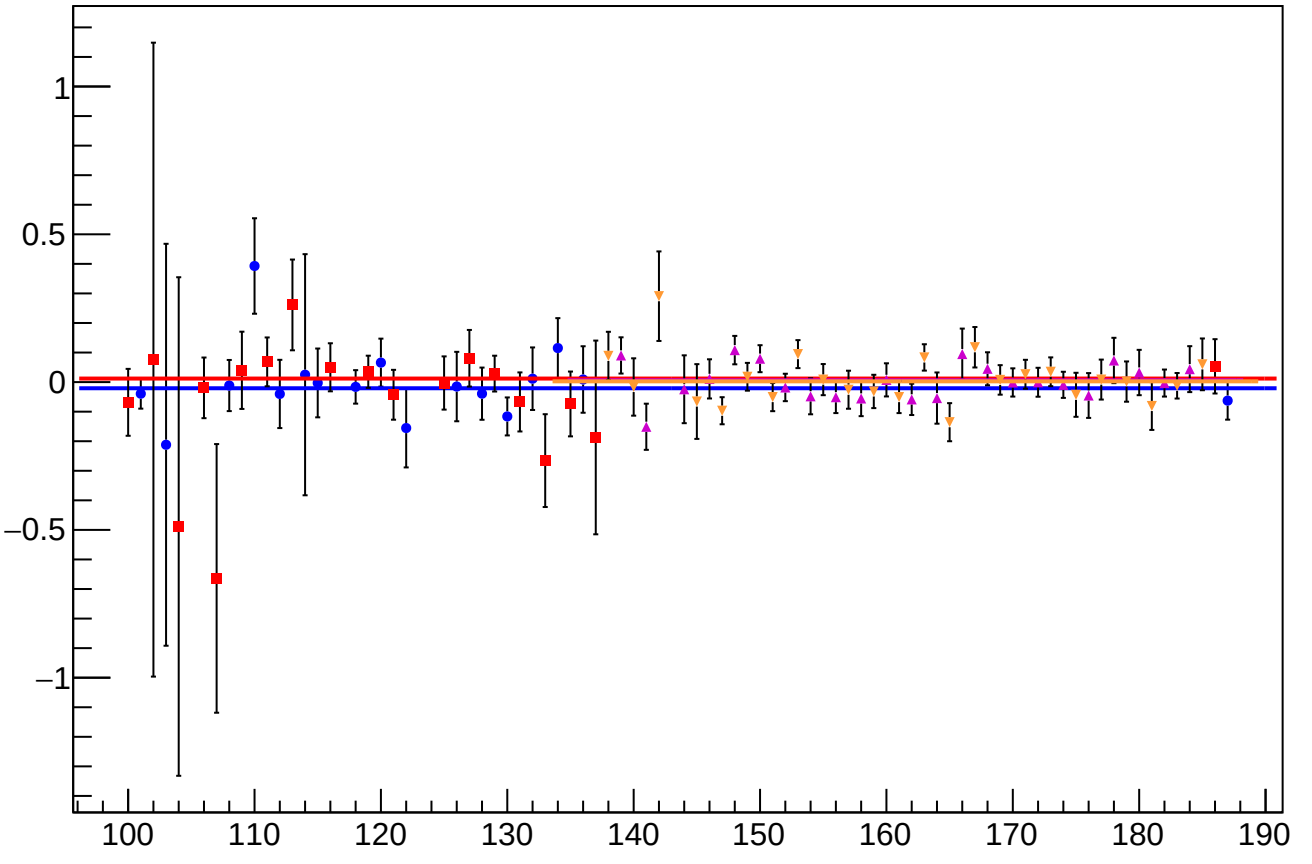
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.3/40

All: 0.000+/-0.000 χ^2/NDF: 76.0/82

- sign 0.000+/-0.000 χ^2/NDF: 35.1/41


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1878512.0/16
Left Out: 0.000+/-0.000 χ²/NDF:1898110.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2225948.2/18
Left In: 0.000+/-0.000 χ²/NDF:4499862.2/22
+ sign 0.000+/-0.000 χ²/NDF: 4058686.8/40
All: 0.000+/-0.000 χ²/NDF: 12099882.2/82
- sign 0.000+/-0.000 χ²/NDF: 7763586.9/41



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.012+/-0.023 χ^2/NDF: 12.7/18

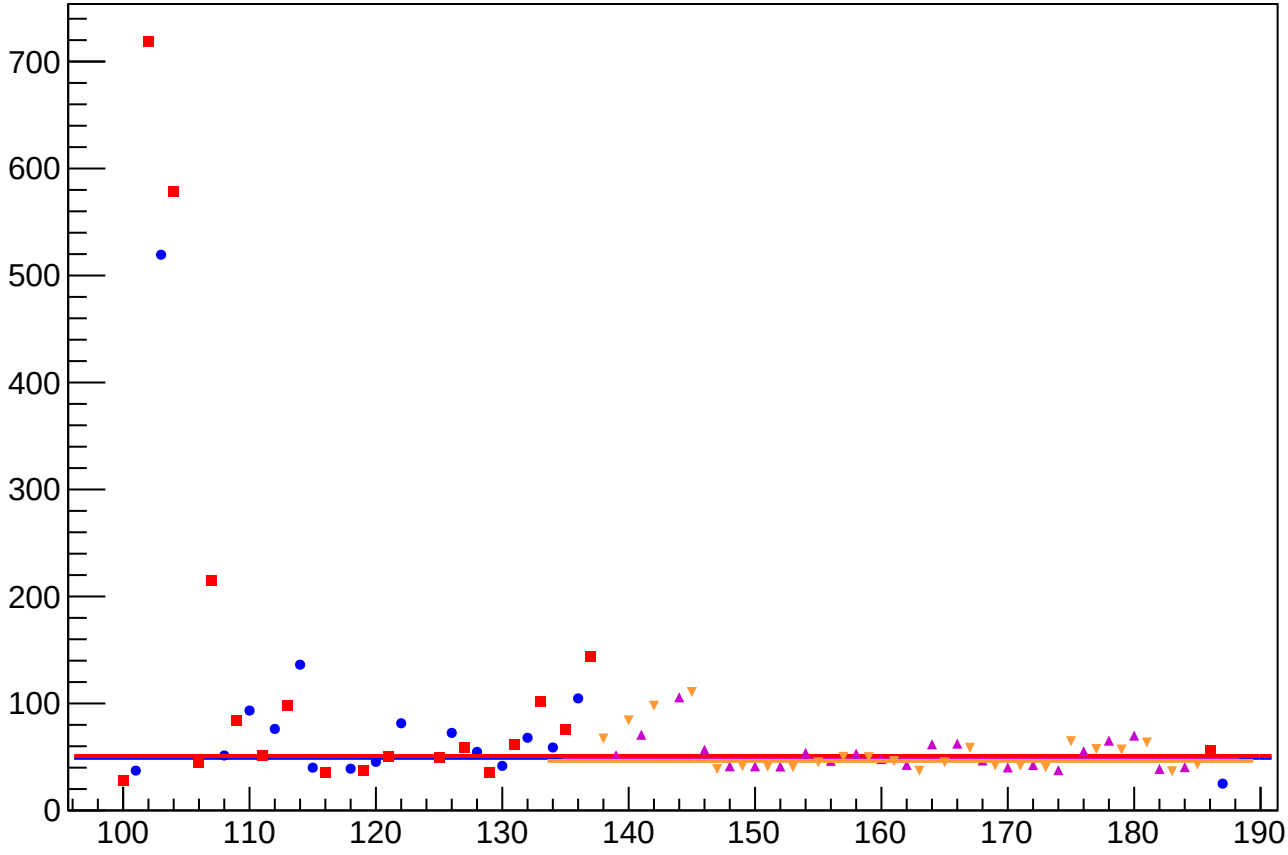
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.010 χ^2/NDF: 44.5/40

All: 0.002+/-0.007 χ^2/NDF: 79.3/82

- sign 0.007+/-0.011 χ^2/NDF: 34.4/41

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.202+/-0.015 χ^2/NDF: 2583164.8/16

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

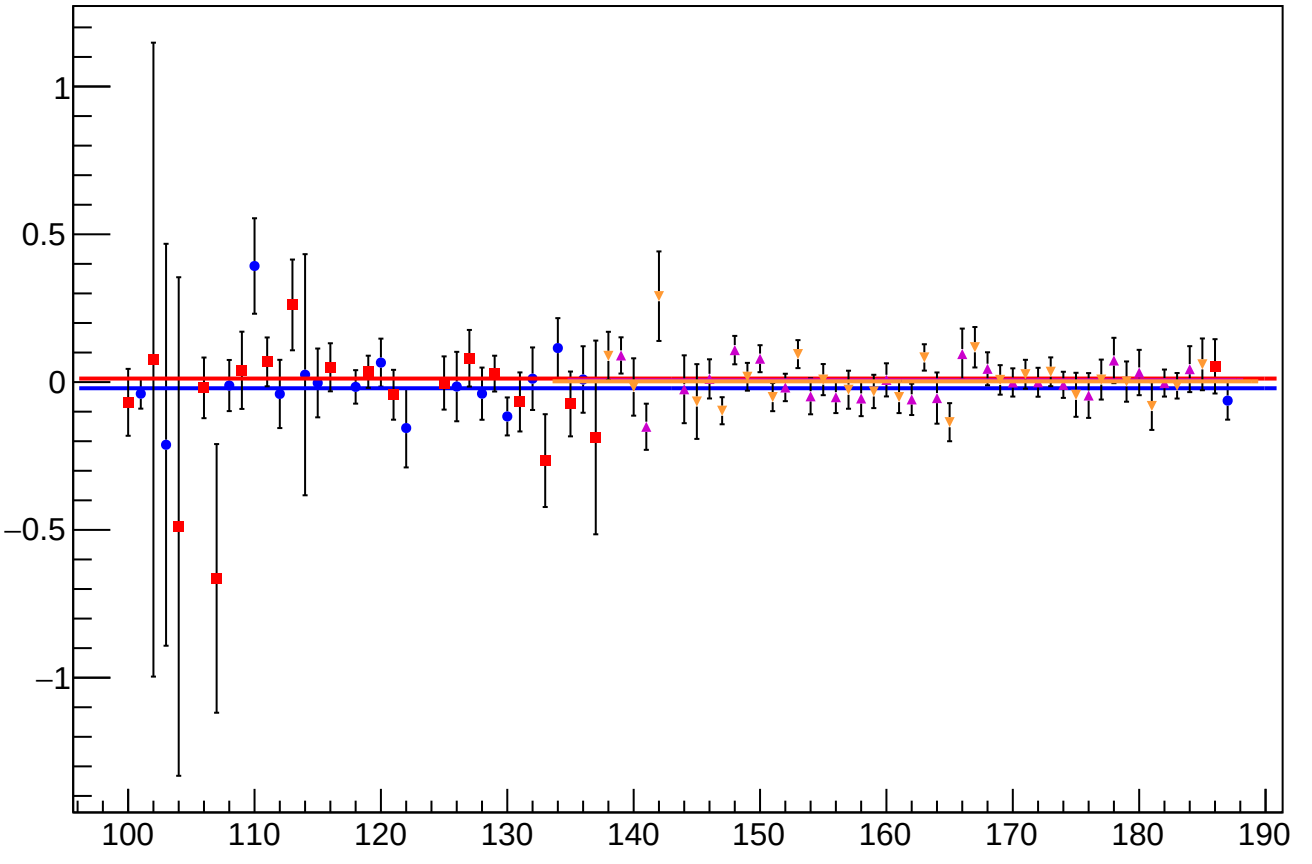
Right Out: 50.901+/-0.016 χ^2/NDF: 3057289.2/18

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.028+/-0.007 χ^2/NDF: 4578068.1/40

All: 47.647+/-0.005 χ^2/NDF: 9259270.3/82

- sign 48.306+/-0.008 χ^2/NDF: 4666530.6/41



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

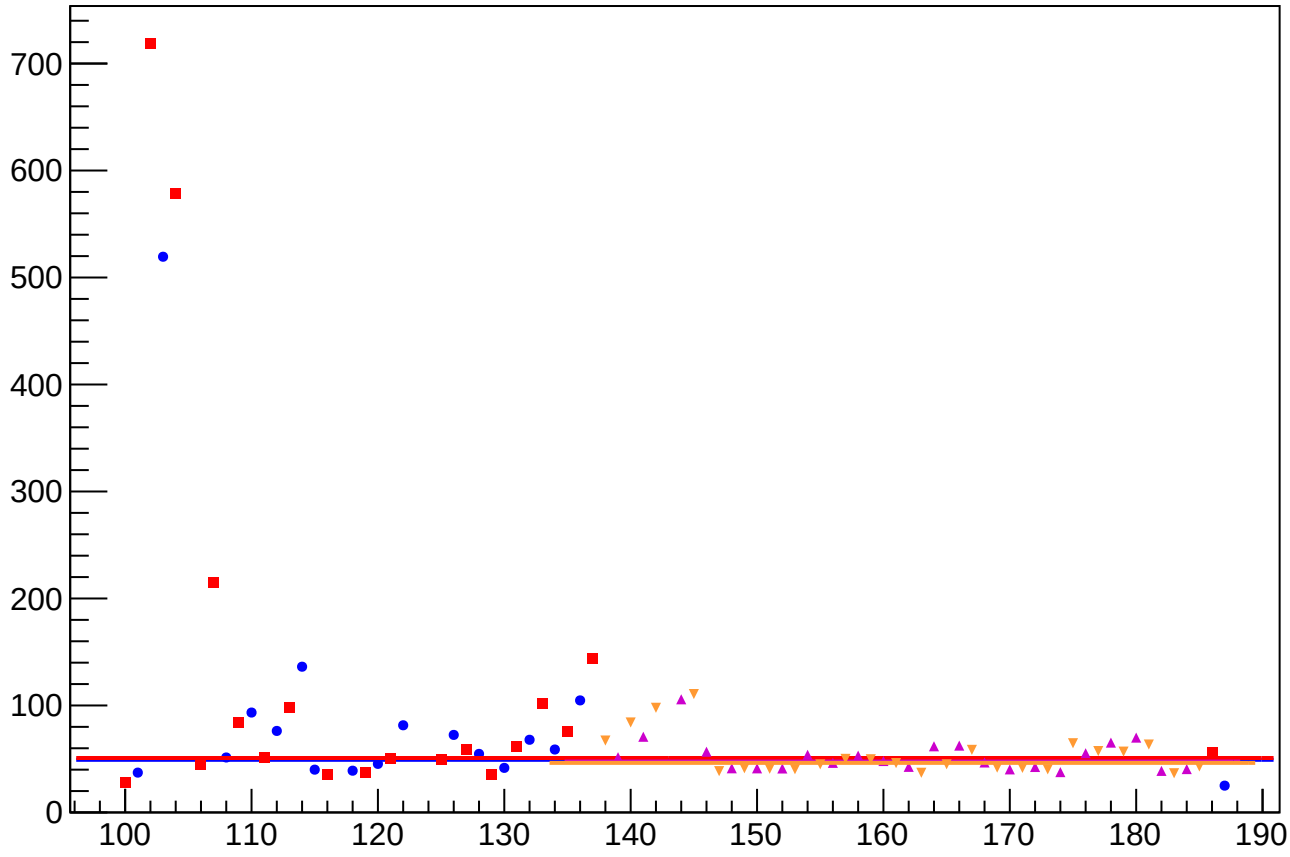
Right Out: 0.012+/-0.023 χ^2/NDF: 12.7/18

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.010 χ^2/NDF: 44.5/40

All: 0.002+/-0.007 χ^2/NDF: 79.3/82

- sign 0.007+/-0.011 χ^2/NDF: 34.4/41



Right In: 49.202+/-0.015 χ^2/NDF: 2583164.8/16

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

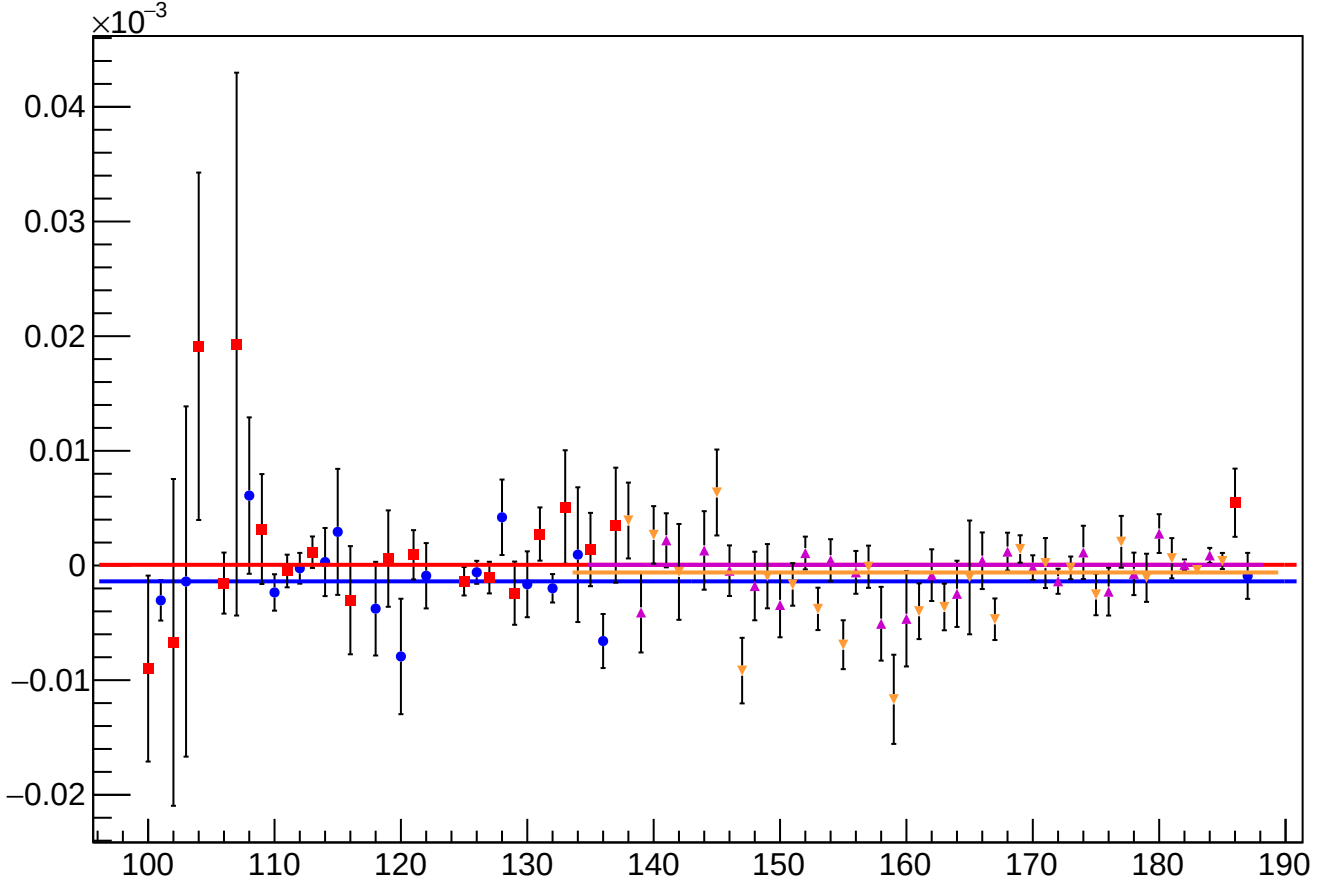
Right Out: 50.901+/-0.016 χ^2/NDF: 3057289.2/18

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.028+/-0.007 χ^2/NDF: 4578068.1/40

All: 47.647+/-0.005 χ^2/NDF: 9259270.3/82

- sign 48.306+/-0.008 χ^2/NDF: 4666530.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

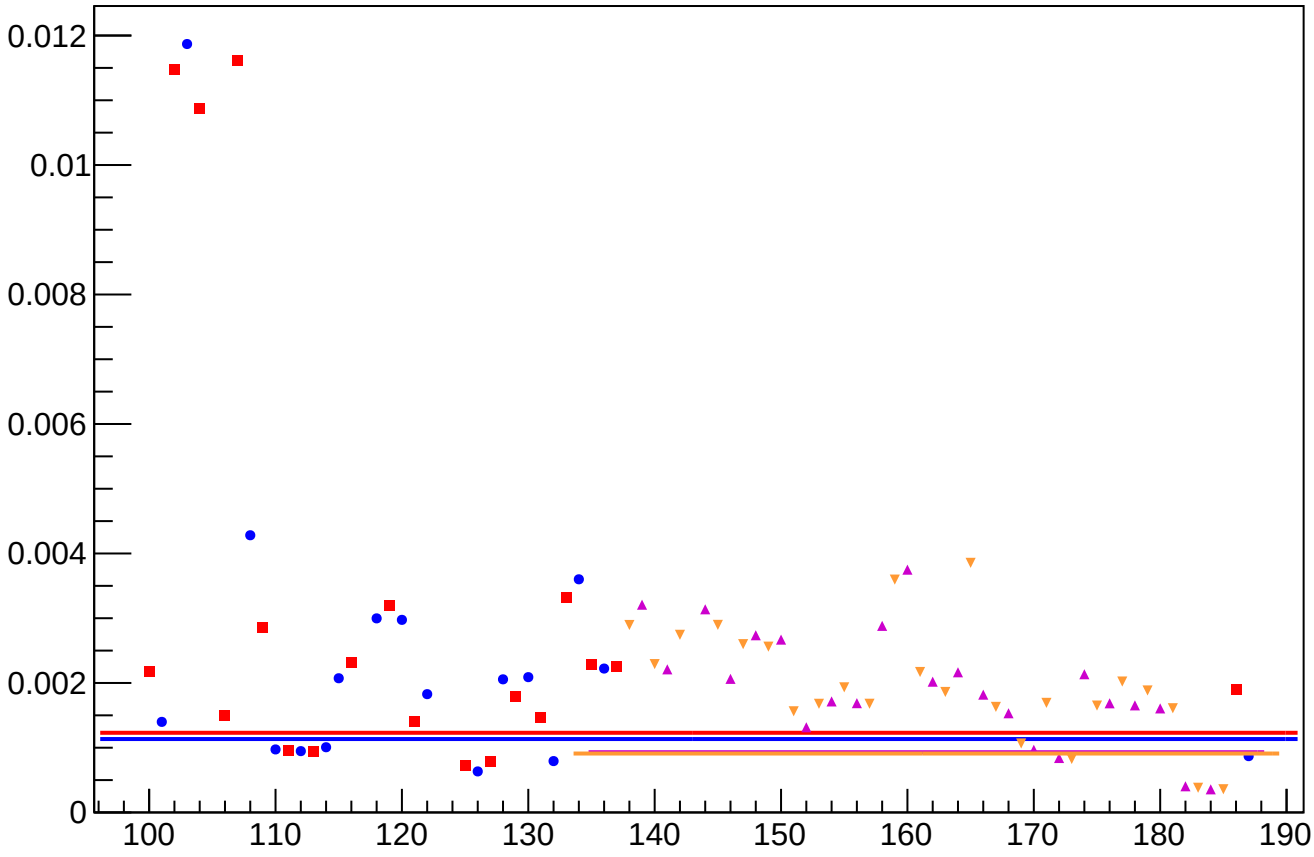
Right Out: 0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.8/40

All: -0.000+/-0.000 χ^2/NDF: 109.6/82

- sign 0.000+/-0.000 χ^2/NDF: 32.9/41



Right In: 0.001+/-0.000 χ^2/NDF: 4224907.7/16

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

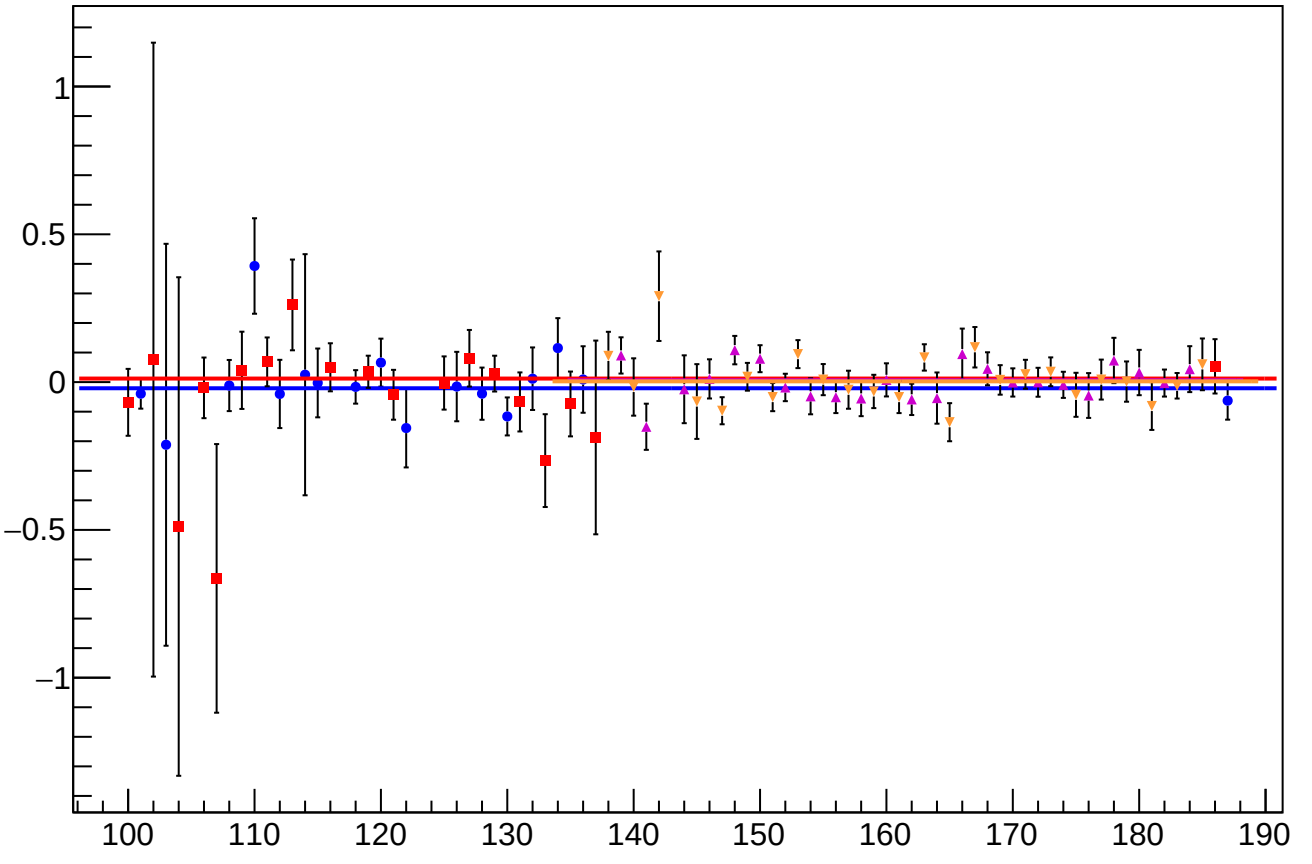
Right Out: 0.001+/-0.000 χ^2/NDF: 4625188.4/18

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 18667714.8/40

All: 0.001+/-0.000 χ^2/NDF: 37473852.4/82

- sign 0.001+/-0.000 χ^2/NDF: 18790712.6/41



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

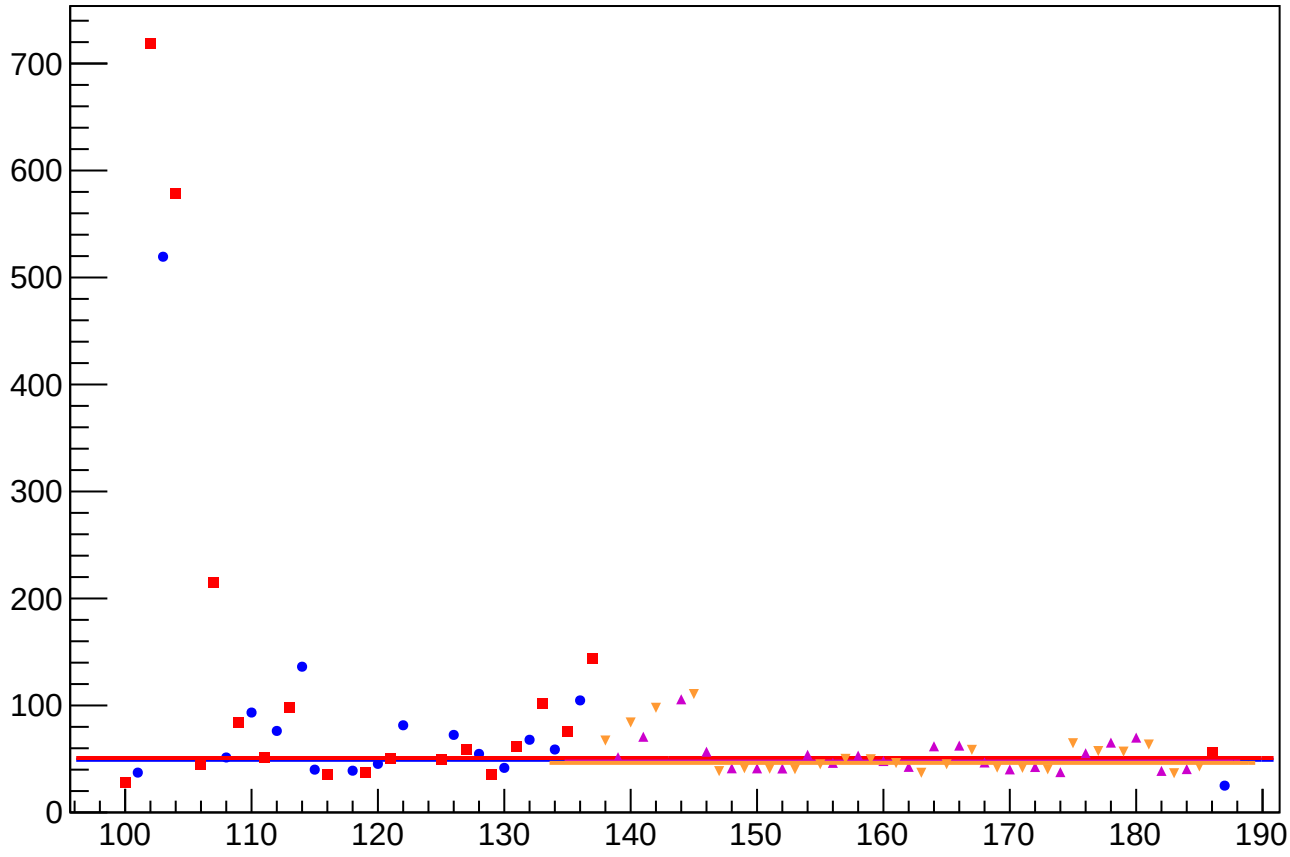
Right Out: 0.012+/-0.023 χ^2/NDF: 12.7/18

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.010 χ^2/NDF: 44.5/40

All: 0.002+/-0.007 χ^2/NDF: 79.3/82

- sign 0.007+/-0.011 χ^2/NDF: 34.4/41



Right In: 49.202+/-0.015 χ^2/NDF: 2583149.6/16

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

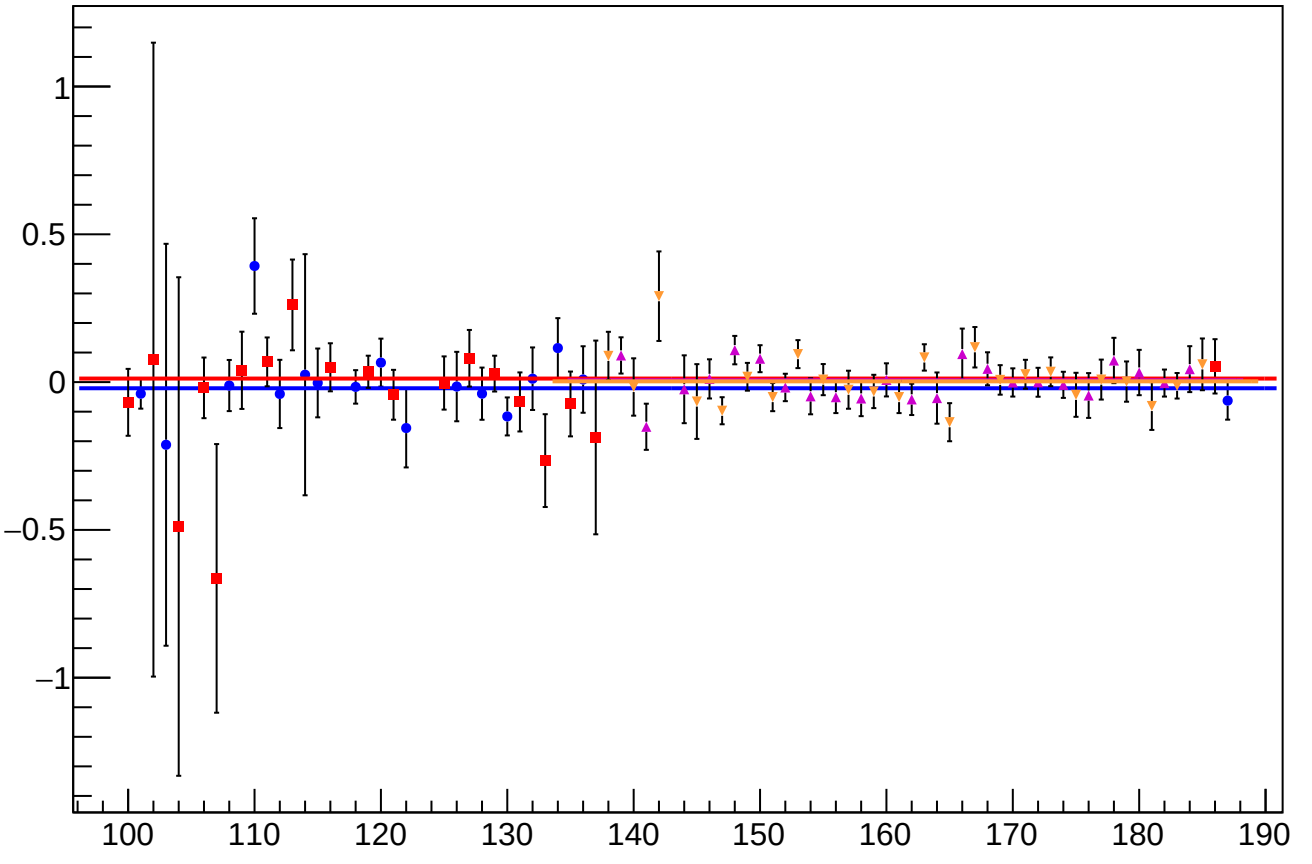
Right Out: 50.901+/-0.016 χ^2/NDF: 3057274.0/18

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.028+/-0.007 χ^2/NDF: 4578036.6/40

All: 47.647+/-0.005 χ^2/NDF: 9259222.8/82

- sign 48.306+/-0.008 χ^2/NDF: 4666517.2/41



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

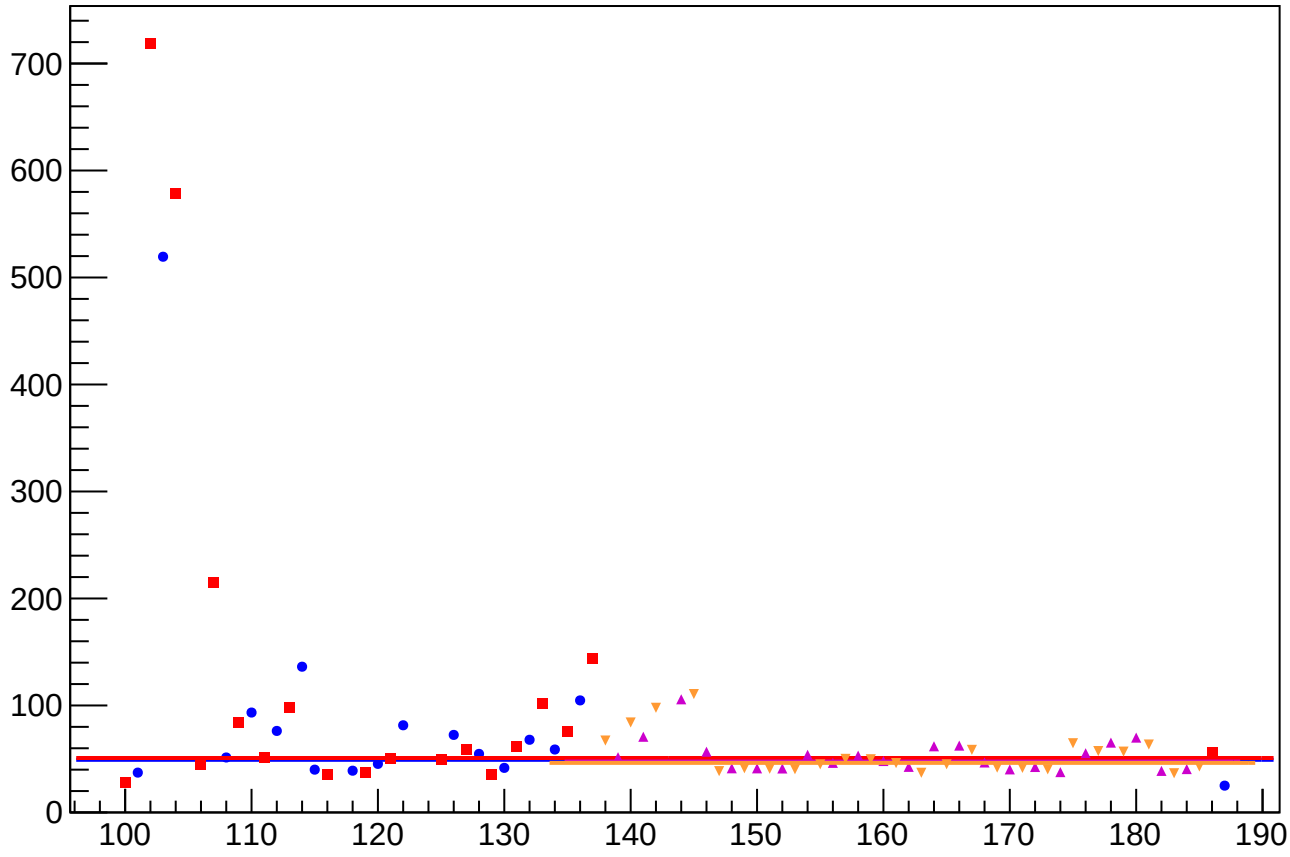
Right Out: 0.012+/-0.023 χ^2/NDF: 12.7/18

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.010 χ^2/NDF: 44.5/40

All: 0.002+/-0.007 χ^2/NDF: 79.3/82

- sign 0.007+/-0.011 χ^2/NDF: 34.4/41



Right In: 49.202+/-0.015 χ^2/NDF: 2583149.6/16

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

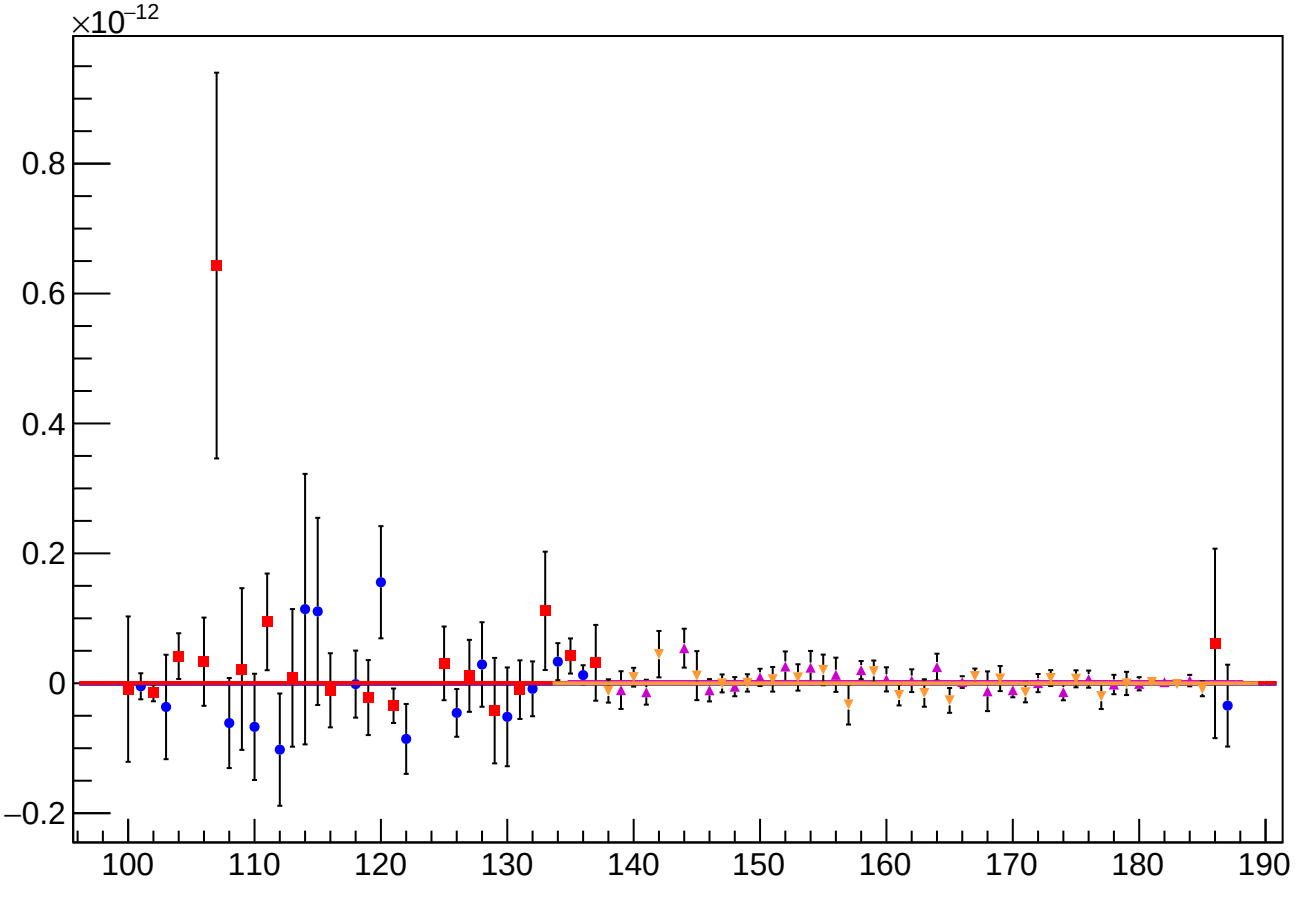
Right Out: 50.901+/-0.016 χ^2/NDF: 3057274.0/18

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.028+/-0.007 χ^2/NDF: 4578036.6/40

All: 47.647+/-0.005 χ^2/NDF: 9259222.8/82

- sign 48.306+/-0.008 χ^2/NDF: 4666517.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

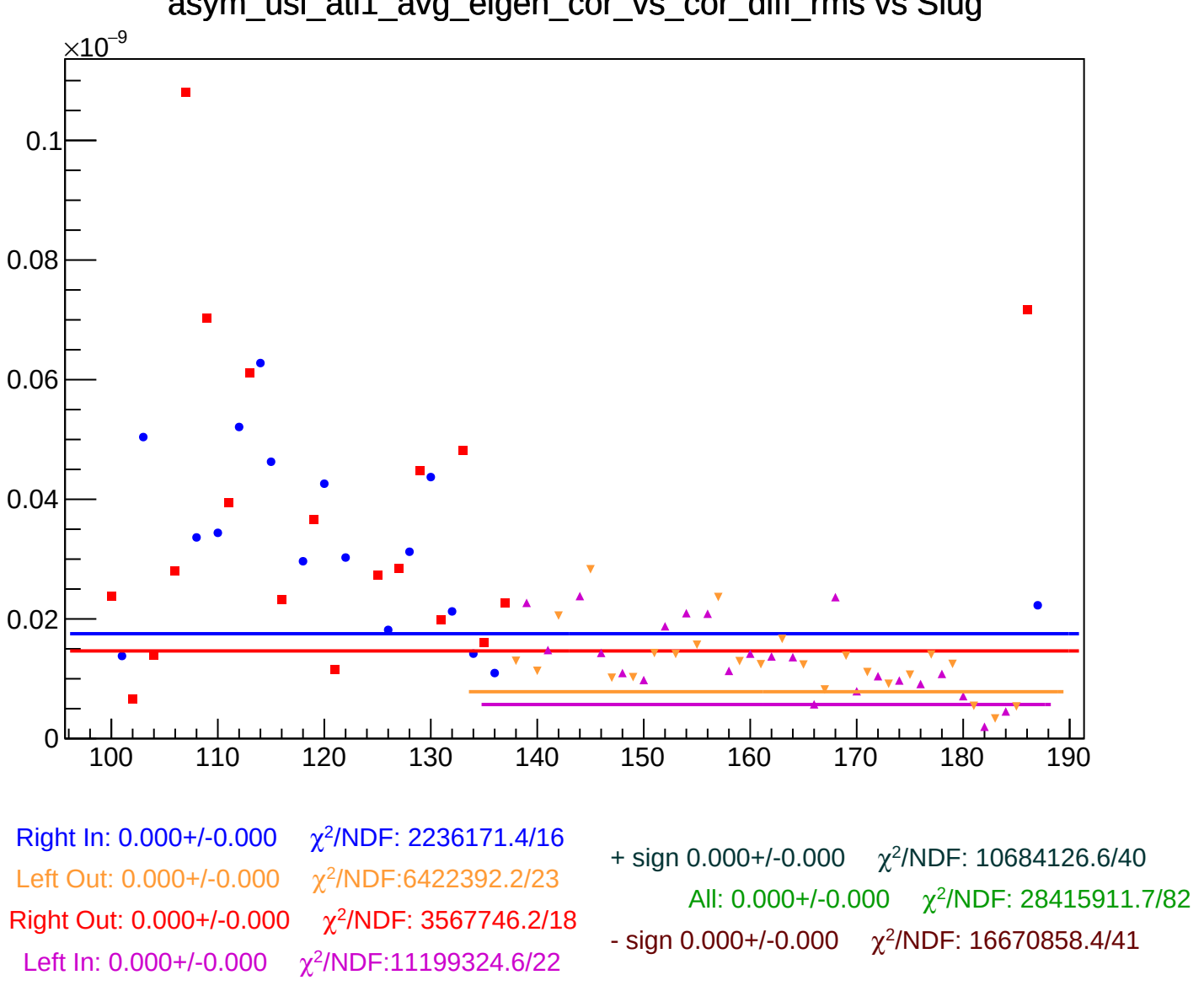
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

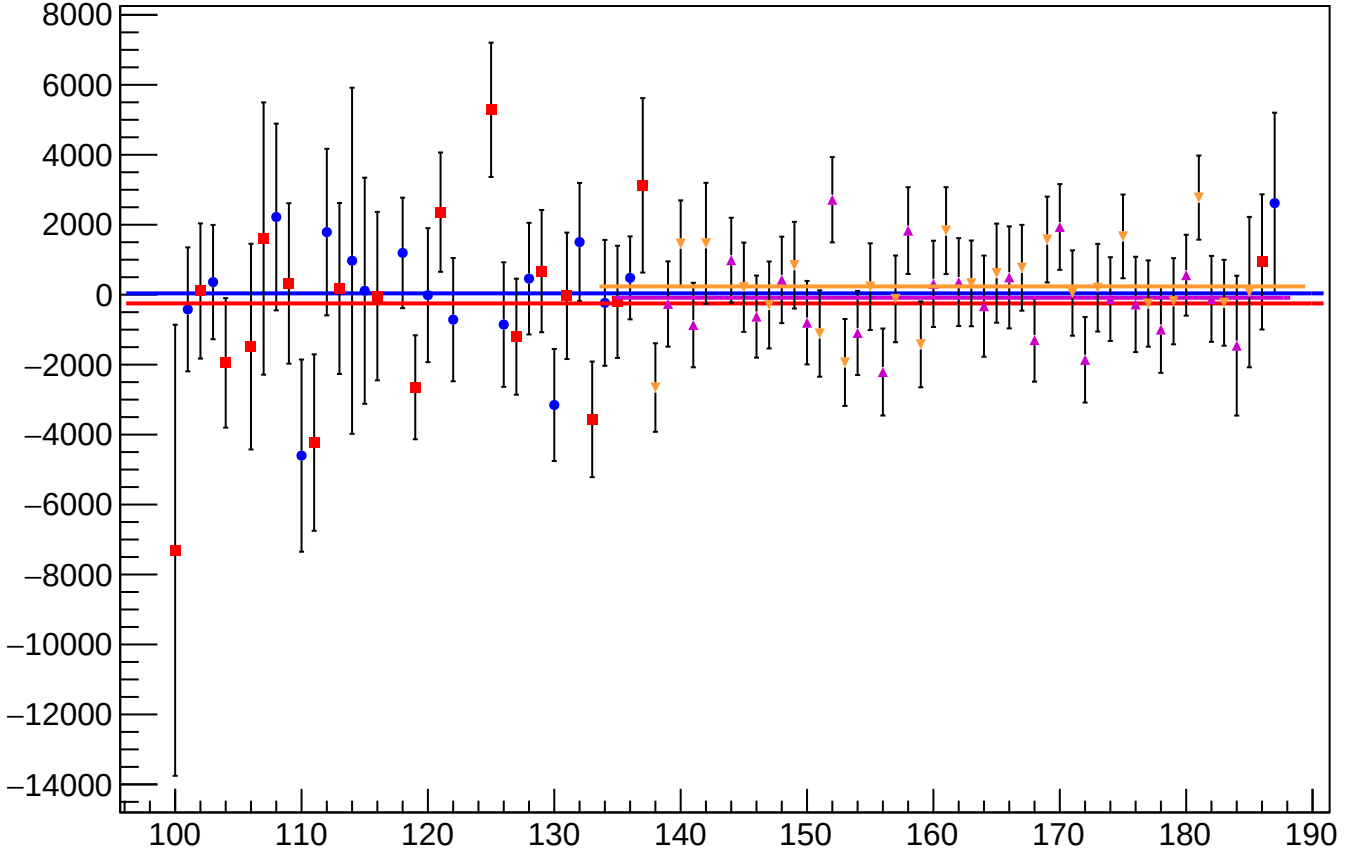
+ sign -0.000+/-0.000 χ^2/NDF: 28.2/40

All: 0.000+/-0.000 χ^2/NDF: 58.2/82

- sign 0.000+/-0.000 χ^2/NDF: 29.6/41


asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2236171.4/16
Left Out: 0.000+/-0.000 χ²/NDF:6422392.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3567746.2/18
Left In: 0.000+/-0.000 χ²/NDF:11199324.6/22
+ sign 0.000+/-0.000 χ²/NDF: 10684126.6/40
All: 0.000+/-0.000 χ²/NDF: 28415911.7/82
- sign 0.000+/-0.000 χ²/NDF: 16670858.4/41

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 37.690+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -249.623+/-461.211 χ^2/NDF: 25.2/18

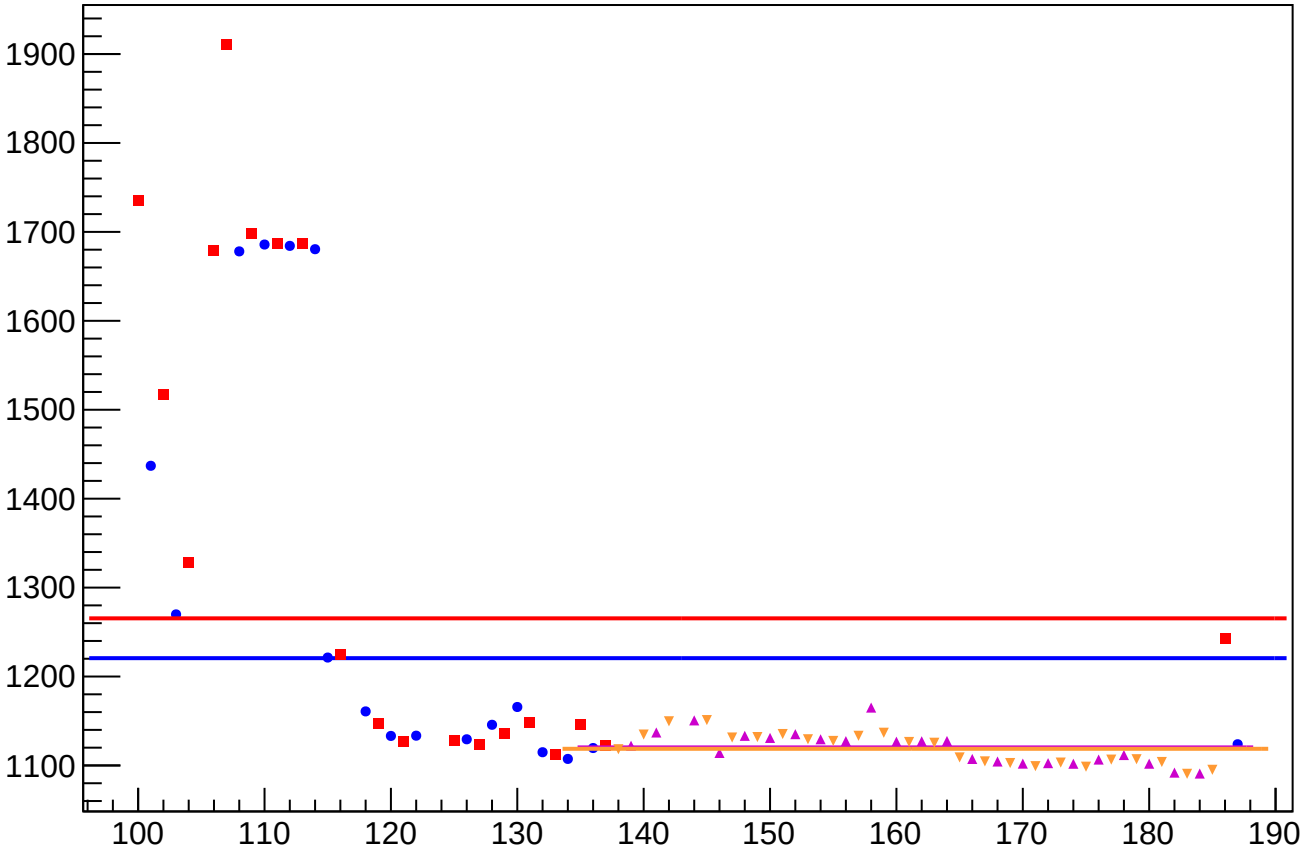
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 187.267+/-225.176 χ^2/NDF: 34.0/40

All: 31.468+/-160.055 χ^2/NDF: 81.1/82

- sign -127.629+/-227.547 χ^2/NDF: 46.2/41

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.3/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1265.424+/-0.326 χ^2/NDF: 433131.3/18

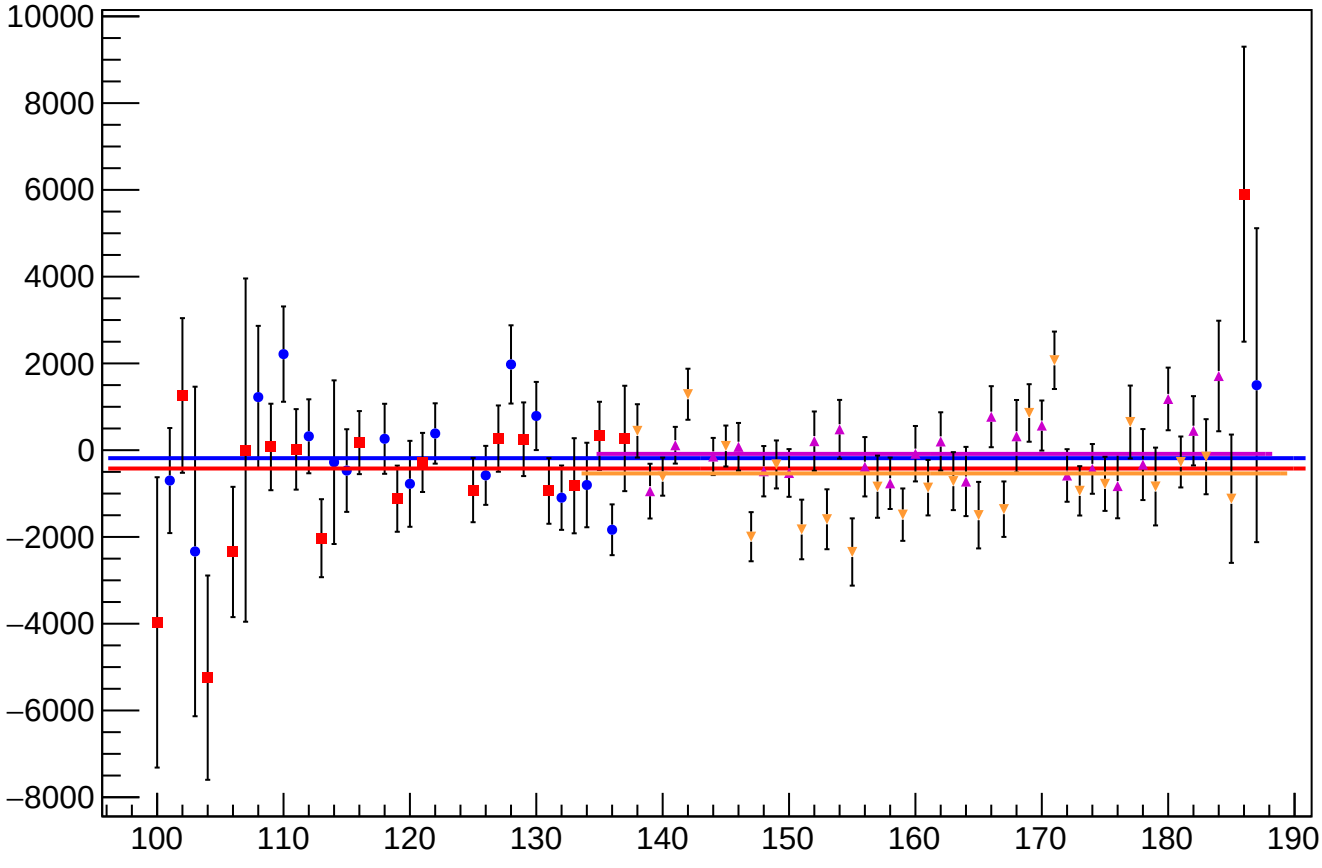
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.011+/-0.159 χ^2/NDF: 382478.6/40

All: 1149.760+/-0.113 χ^2/NDF: 977527.8/82

- sign 1155.631+/-0.161 χ^2/NDF: 592414.0/41

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -184.251+/-222.447 χ^2/NDF: 25.5/16

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -422.597+/-222.723 χ^2/NDF: 20.3/18

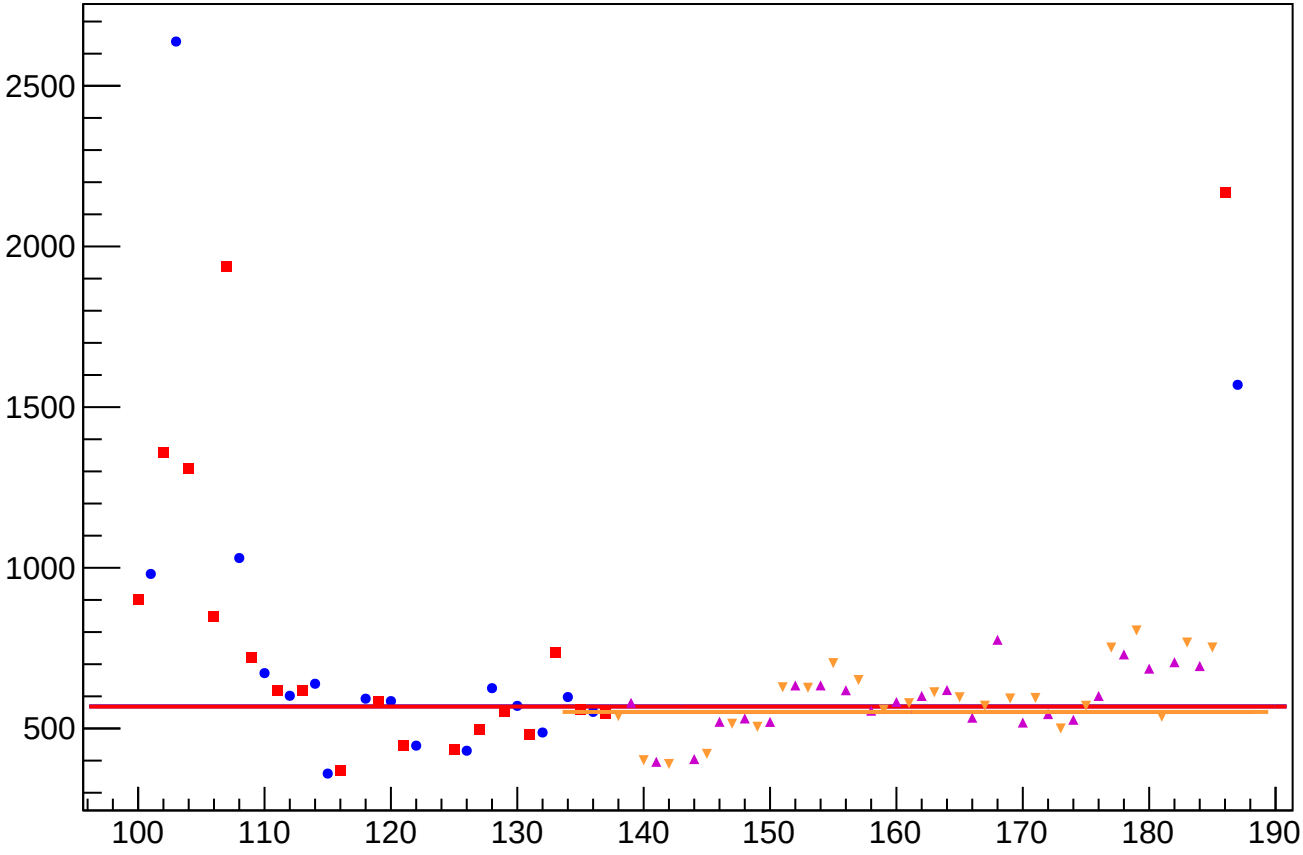
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -445.712+/-112.654 χ^2/NDF: 88.9/40

All: -309.112+/-79.743 χ^2/NDF: 131.0/82

- sign -171.927+/-112.895 χ^2/NDF: 39.1/41

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 568.755+/-0.157 χ^2/NDF: 1438035.4/16

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 568.141+/-0.157 χ^2/NDF: 1797383.8/18

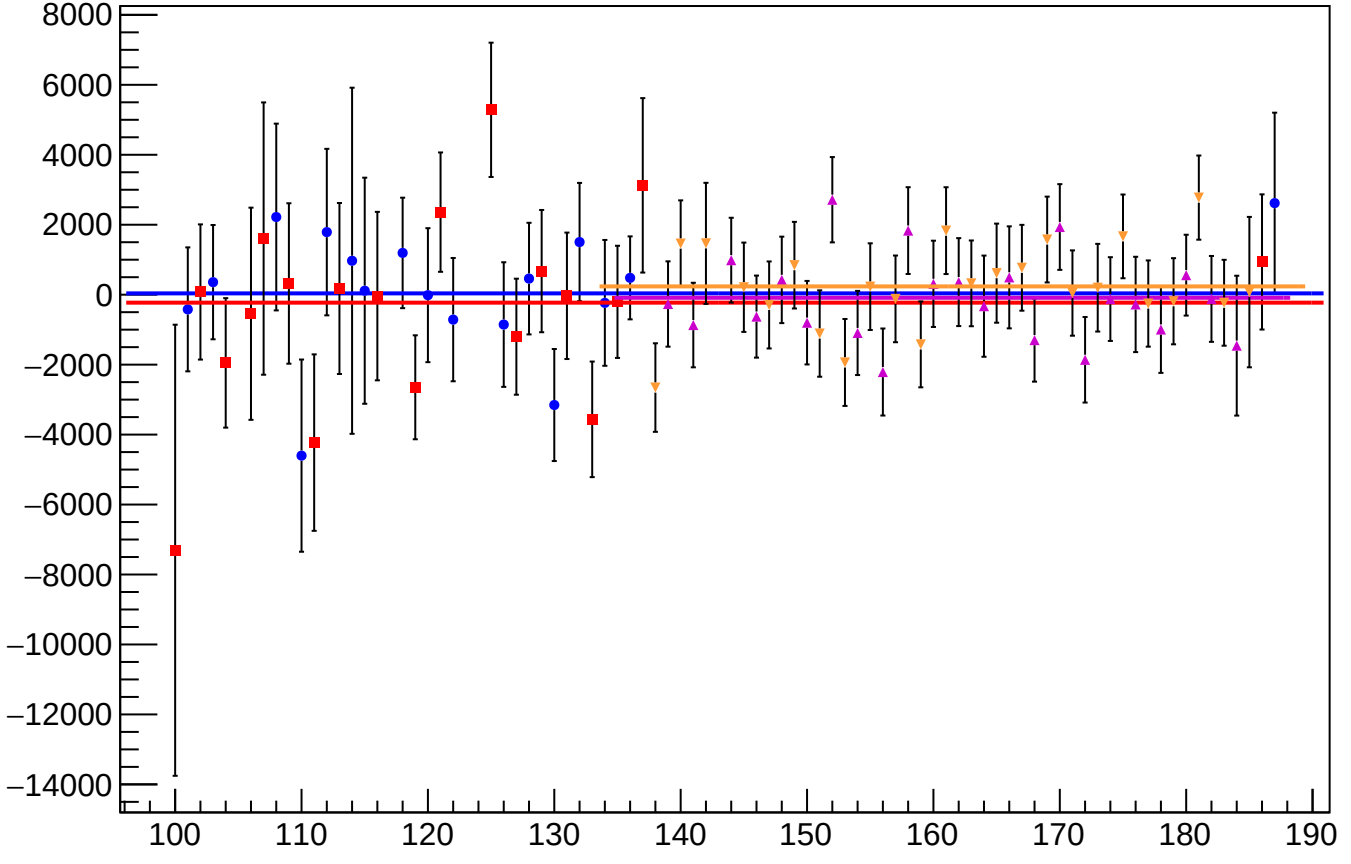
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 555.881+/-0.080 χ^2/NDF: 2673662.2/40

All: 555.768+/-0.056 χ^2/NDF: 5541274.8/82

- sign 555.654+/-0.080 χ^2/NDF: 2867608.6/41

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 37.456+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -227.782+/-461.555 χ^2/NDF: 25.0/18

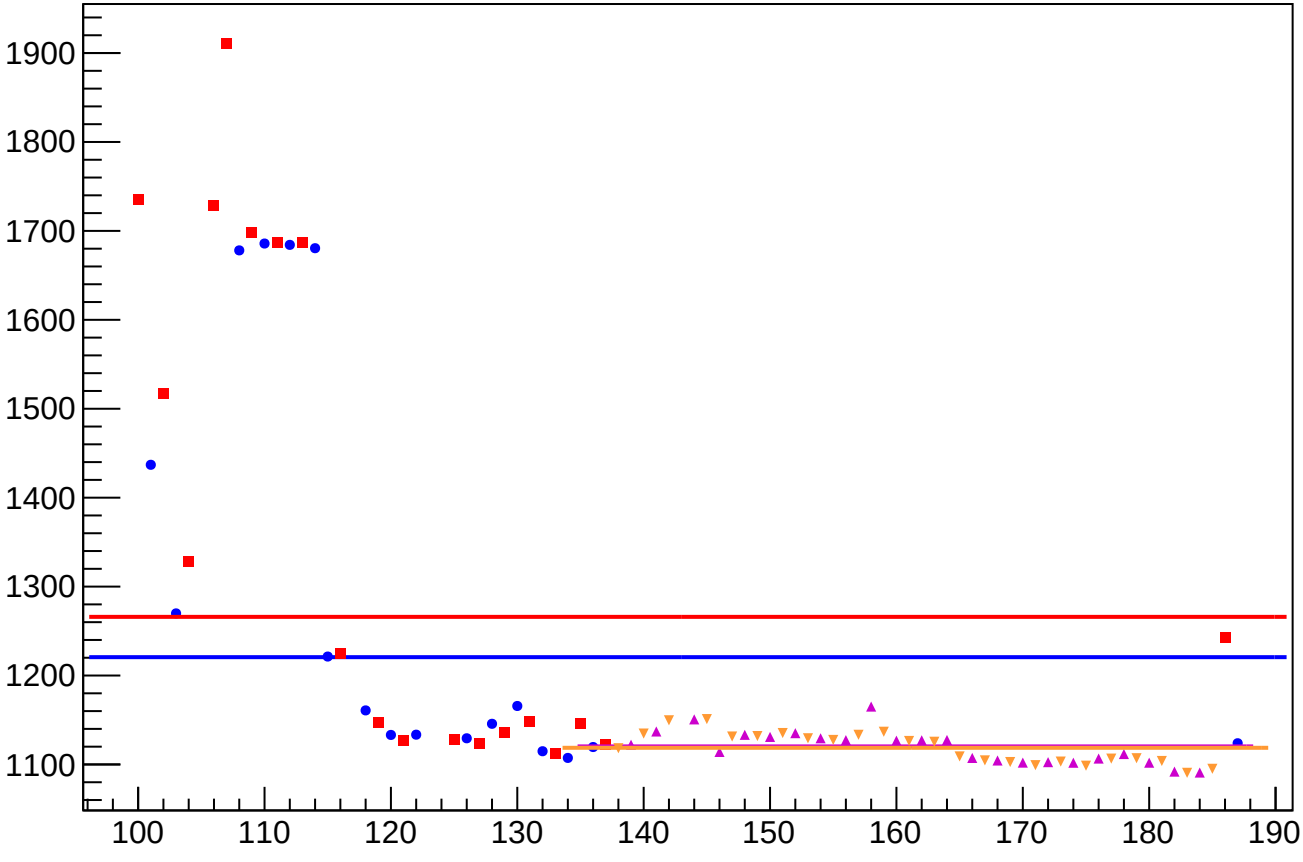
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 187.240+/-225.176 χ^2/NDF: 34.0/40

All: 34.136+/-160.070 χ^2/NDF: 80.9/82

- sign -122.266+/-227.588 χ^2/NDF: 46.0/41

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.4/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1265.973+/-0.326 χ^2/NDF: 440282.4/18

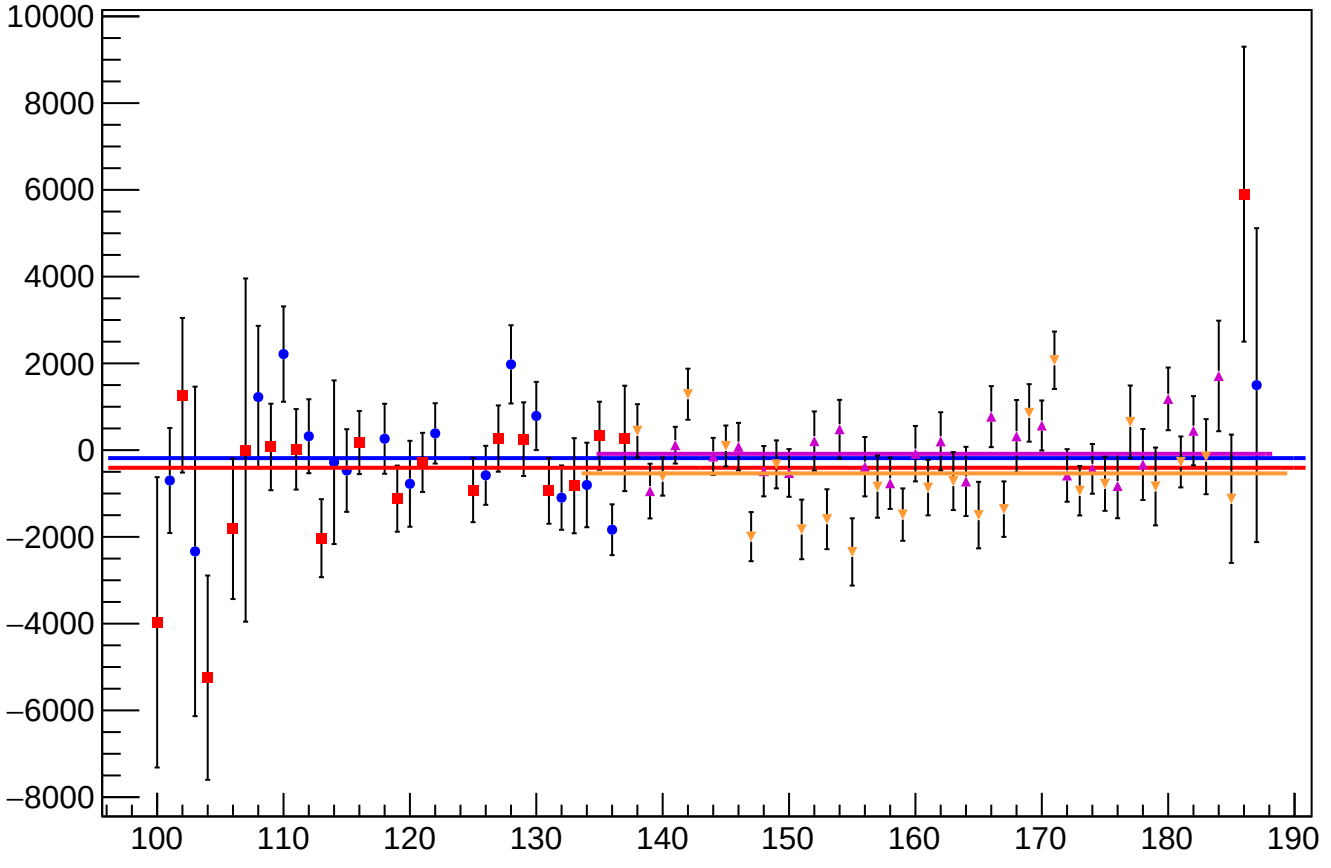
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.011+/-0.159 χ^2/NDF: 382478.7/40

All: 1149.806+/-0.113 χ^2/NDF: 985684.7/82

- sign 1155.725+/-0.161 χ^2/NDF: 600528.8/41

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -184.262+/-222.446 χ^2/NDF: 25.5/16

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -406.612+/-223.066 χ^2/NDF: 19.4/18

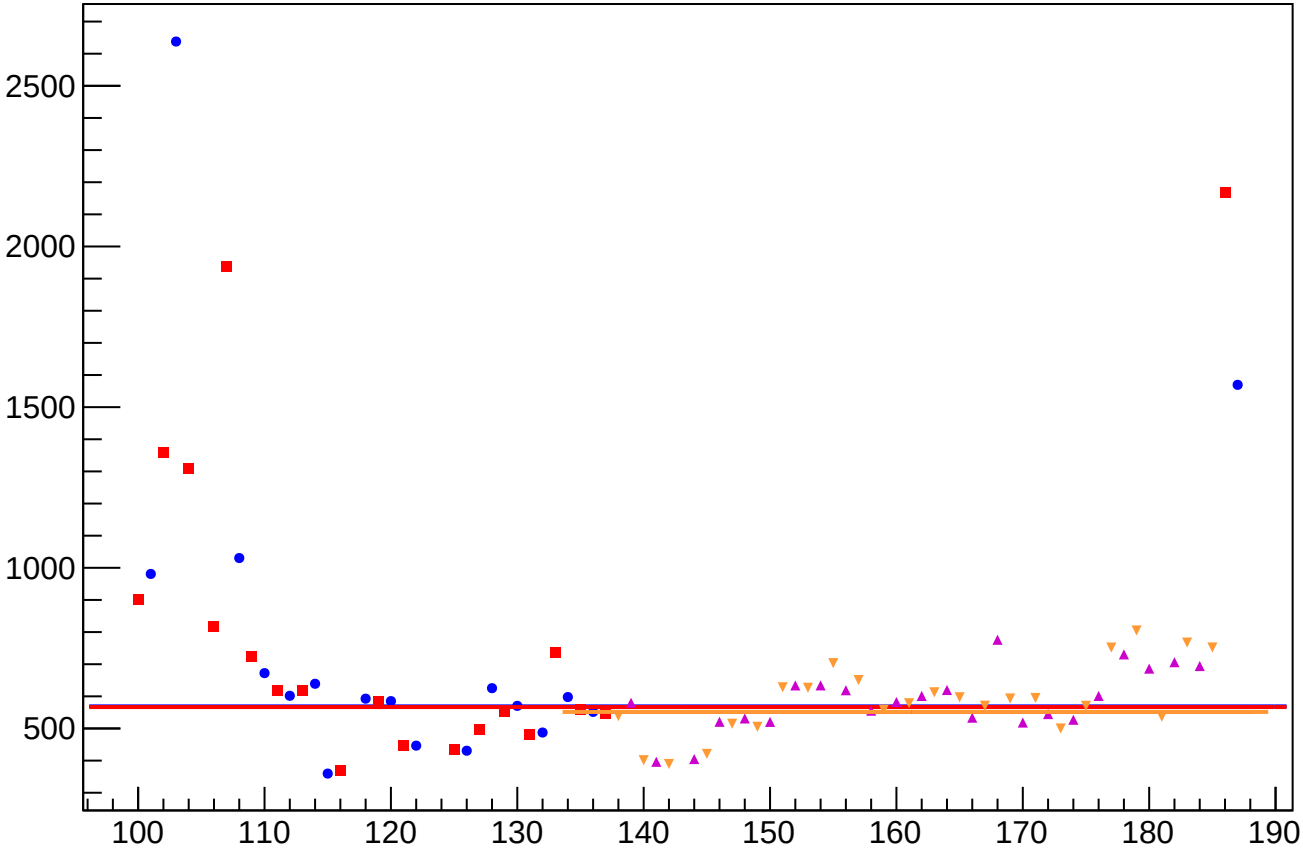
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -445.737+/-112.653 χ^2/NDF: 88.9/40

All: -307.032+/-79.759 χ^2/NDF: 130.0/82

- sign -167.624+/-112.939 χ^2/NDF: 38.1/41

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 568.751+/-0.157 χ^2/NDF: 1438012.9/16

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 566.683+/-0.158 χ^2/NDF: 1775317.2/18

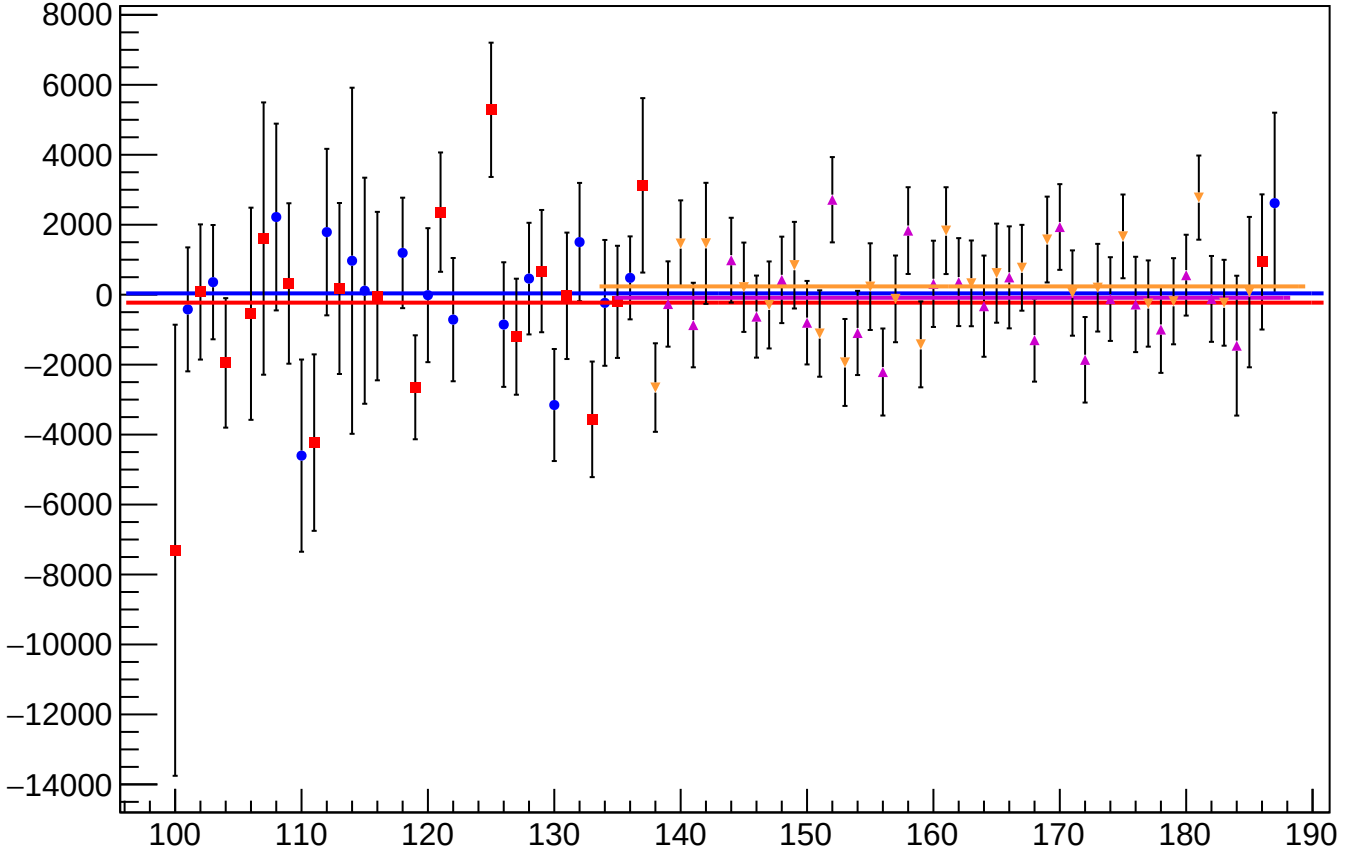
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 555.879+/-0.080 χ^2/NDF: 2673651.3/40

All: 555.575+/-0.056 χ^2/NDF: 5517770.3/82

- sign 555.270+/-0.080 χ^2/NDF: 2844089.8/41

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 37.456+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -227.782+/-461.555 χ^2/NDF: 25.0/18

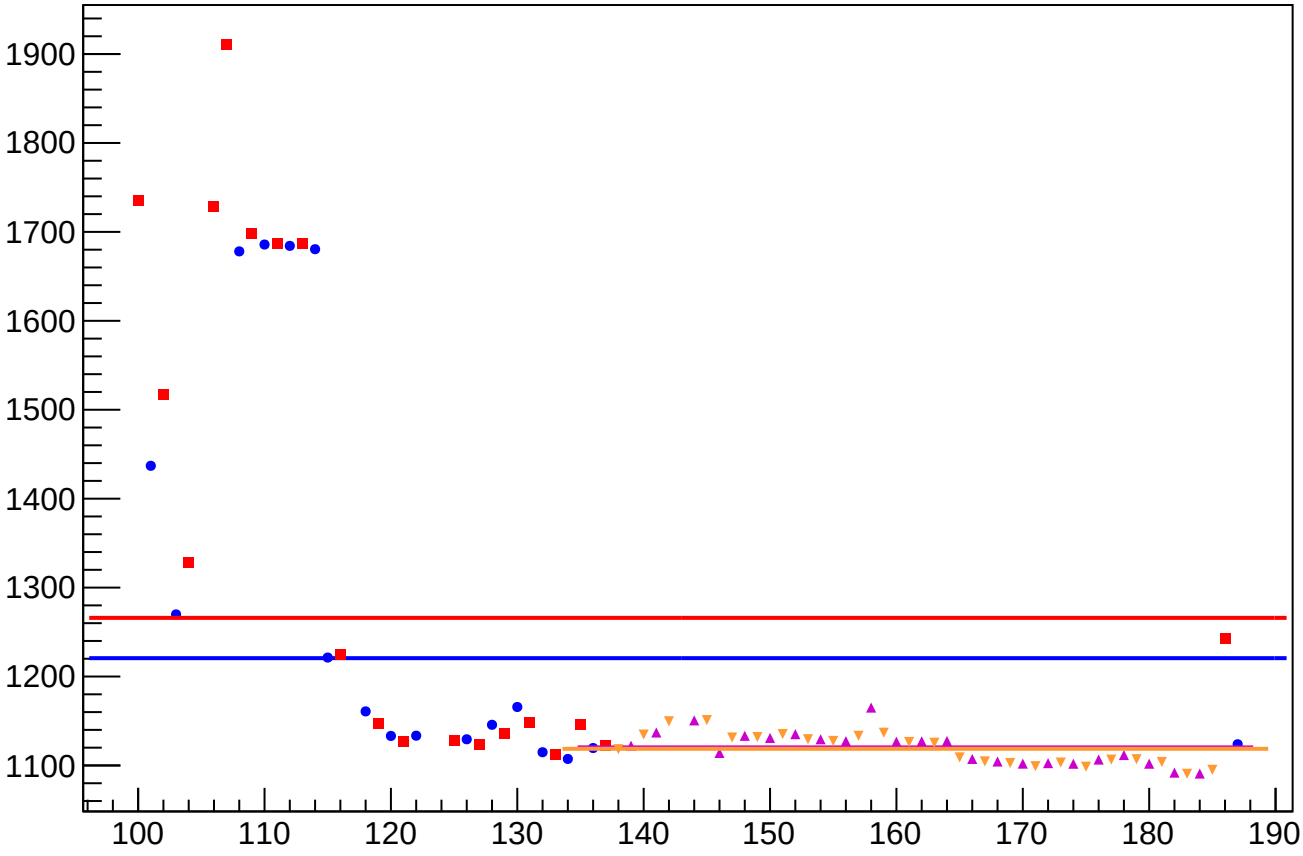
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

\+ sign 187.240+/-225.176 χ^2/NDF: 34.0/40

All: 34.136+/-160.070 χ^2/NDF: 80.9/82

\- sign -122.266+/-227.588 χ^2/NDF: 46.0/41

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.4/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

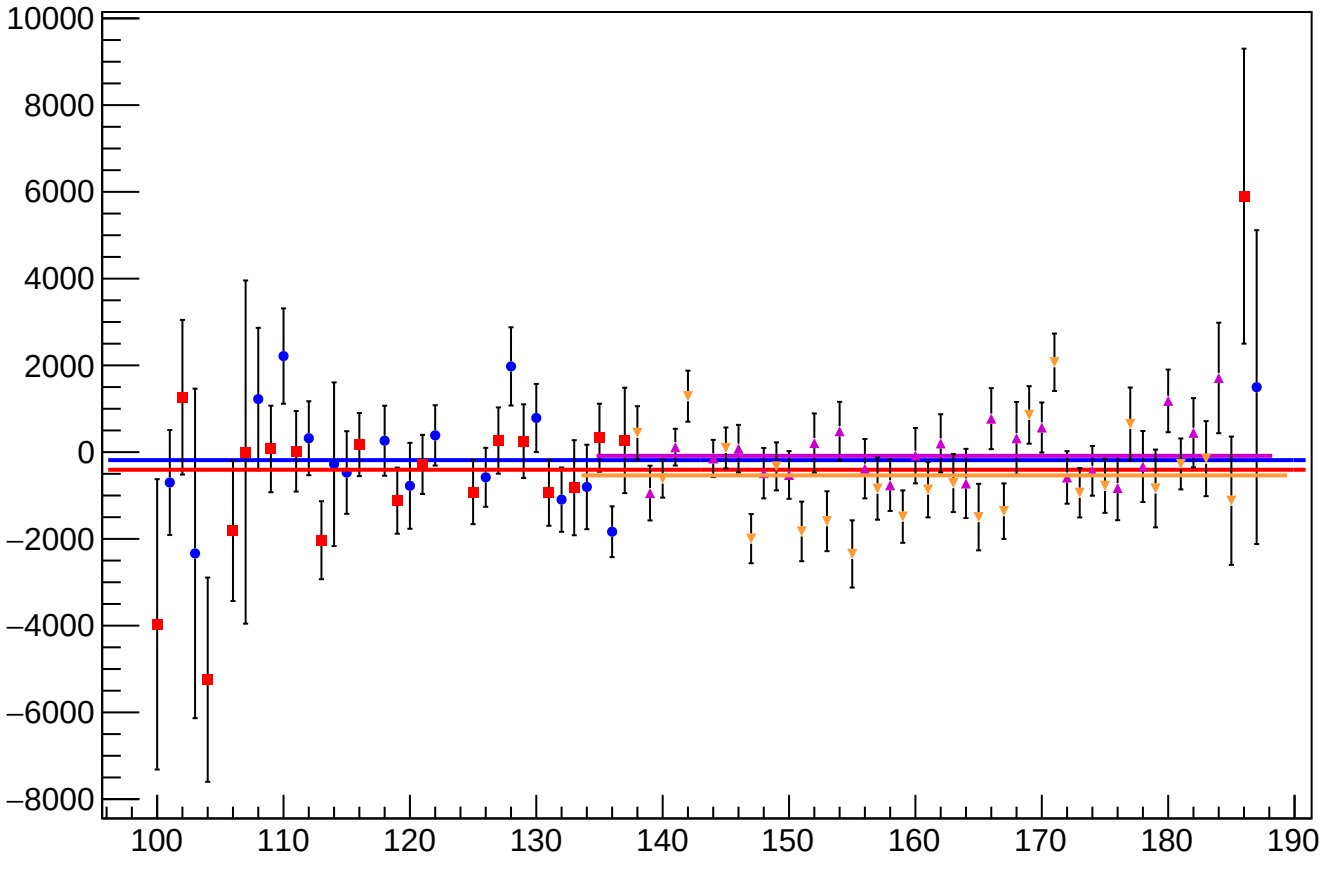
Right Out: 1265.973+/-0.326 χ^2/NDF: 440282.4/18

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1144.011+/-0.159 χ^2/NDF: 382478.7/40

All: 1149.806+/-0.113 χ^2/NDF: 985684.7/82

- sign 1155.725+/-0.161 χ^2/NDF: 600528.8/41



Right In: -184.262+/-222.446 χ^2/NDF: 25.5/16

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

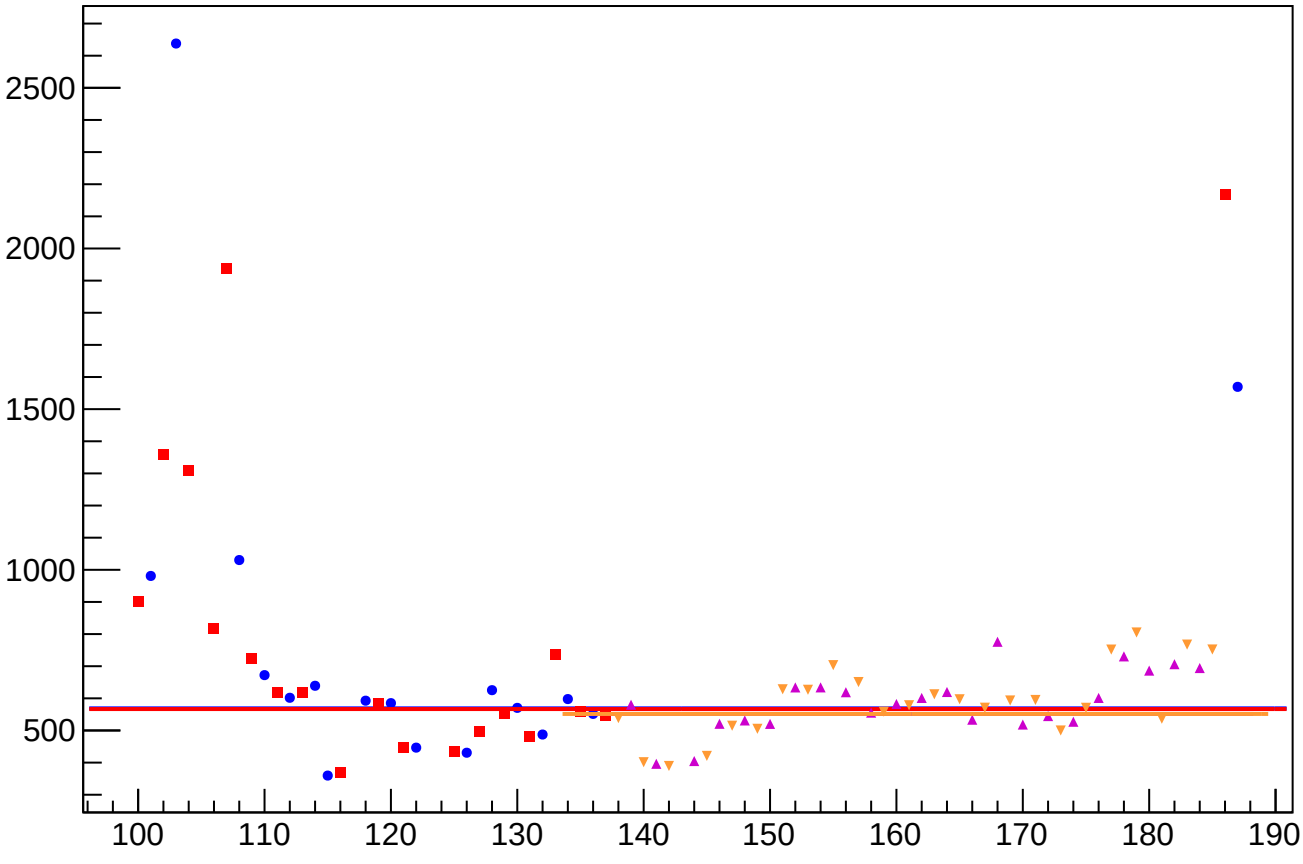
Right Out: -406.612+/-223.066 χ^2/NDF: 19.4/18

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -445.737+/-112.653 χ^2/NDF: 88.9/40

All: -307.032+/-79.759 χ^2/NDF: 130.0/82

- sign -167.624+/-112.939 χ^2/NDF: 38.1/41



Right In: 568.751+/-0.157 χ^2/NDF: 1438012.9/16

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

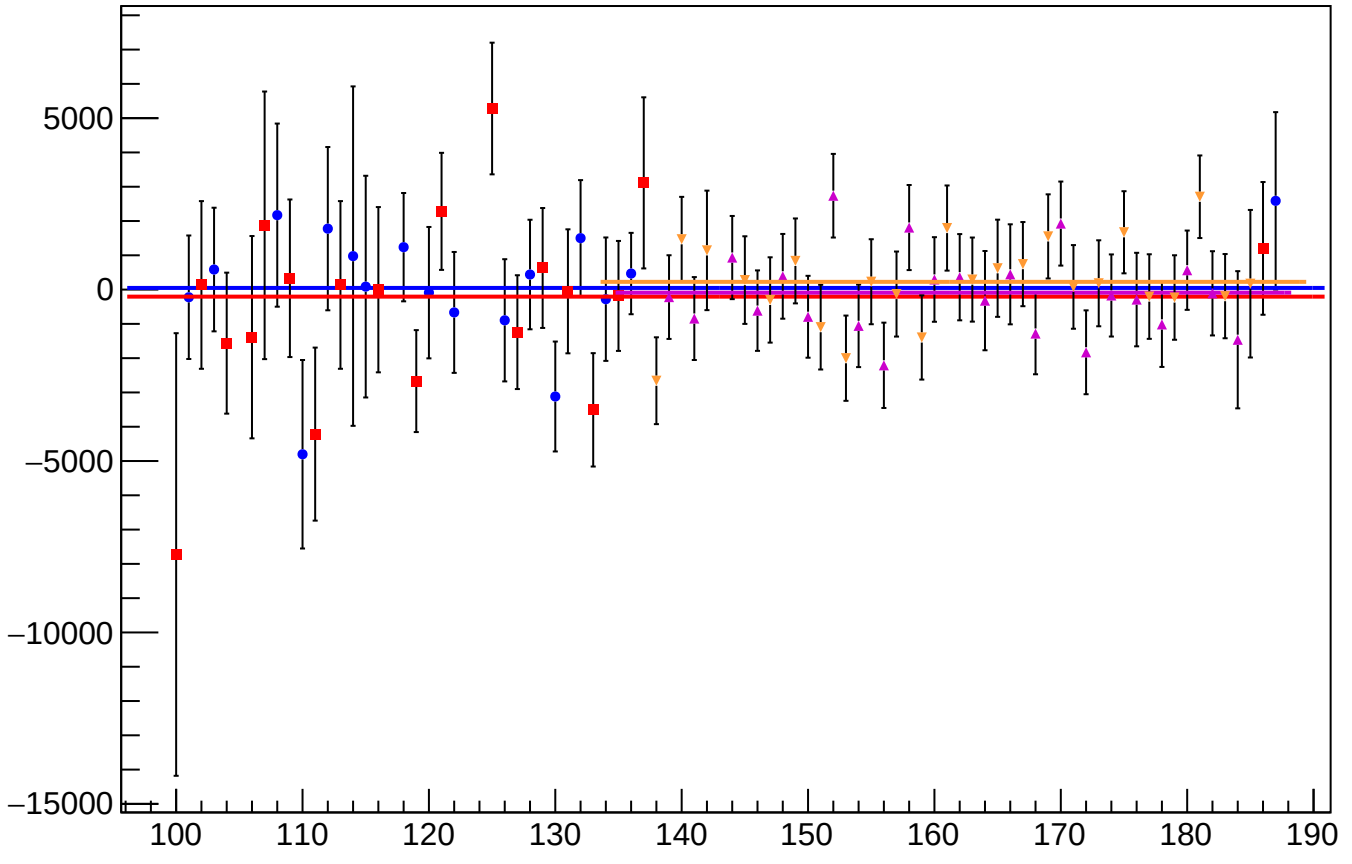
Right Out: 566.683+/-0.158 χ^2/NDF: 1775317.2/18

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 555.879+/-0.080 χ^2/NDF: 2673651.3/40

All: 555.575+/-0.056 χ^2/NDF: 5517770.3/82

- sign 555.270+/-0.080 χ^2/NDF: 2844089.8/41



Right In: 48.341+/-455.967 χ^2/NDF: 11.3/16

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -205.459+/-469.394 χ^2/NDF: 24.8/18

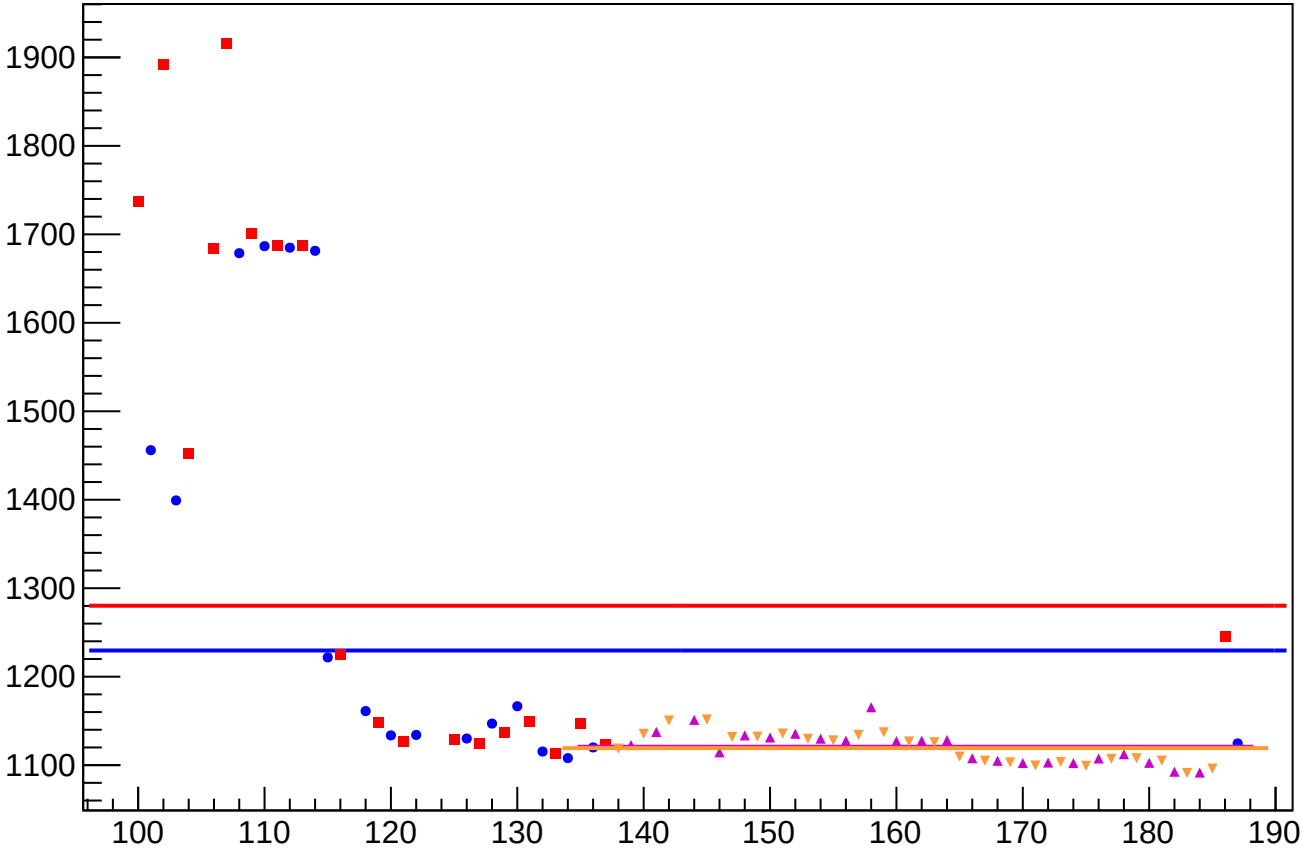
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 182.197+/-225.749 χ^2/NDF: 33.6/40

All: 34.626+/-160.622 χ^2/NDF: 79.9/82

- sign -116.678+/-228.587 χ^2/NDF: 45.4/41

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1229.598+/-0.322 χ^2/NDF: 318873.4/16

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

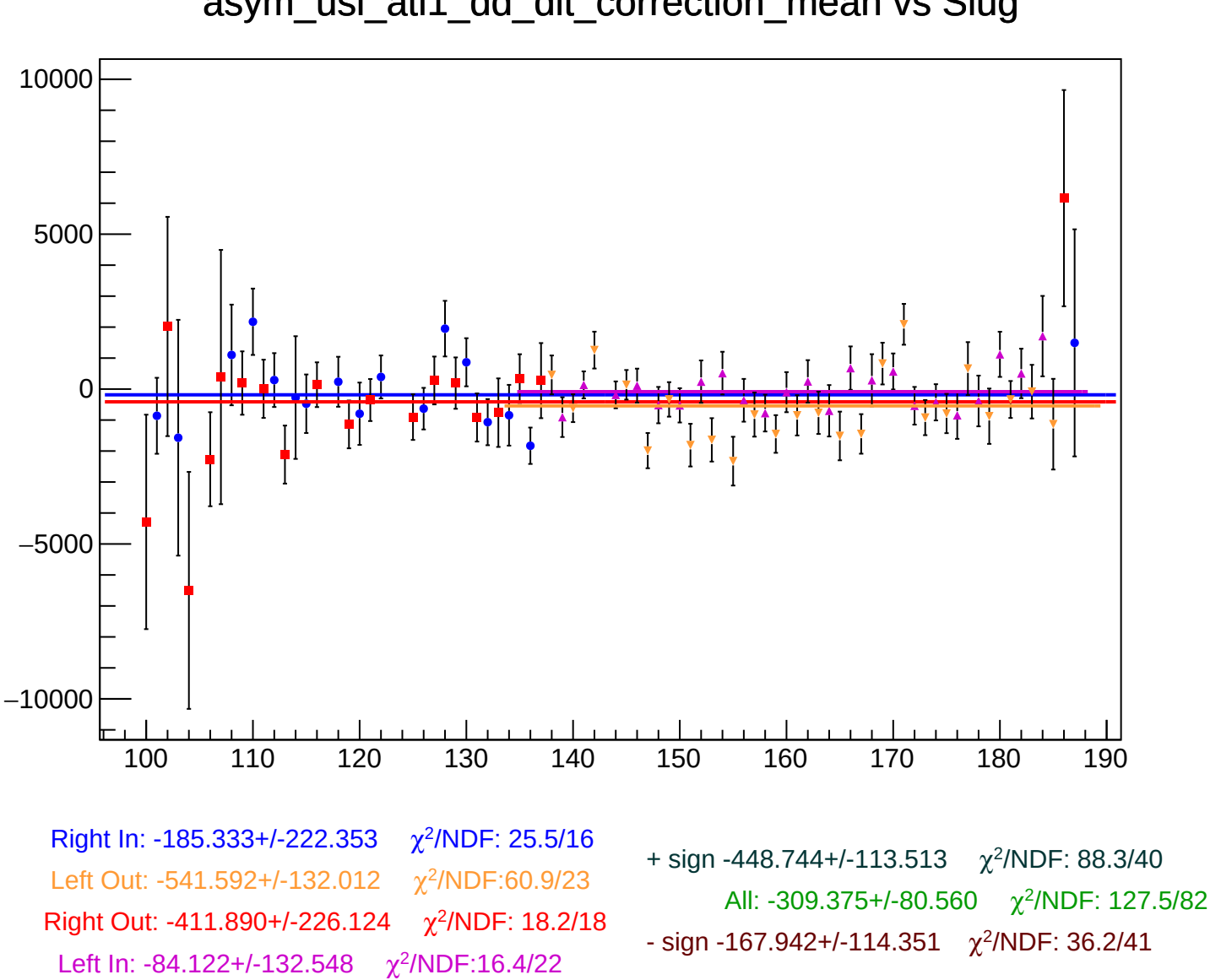
Right Out: 1280.214+/-0.332 χ^2/NDF: 544102.5/18

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

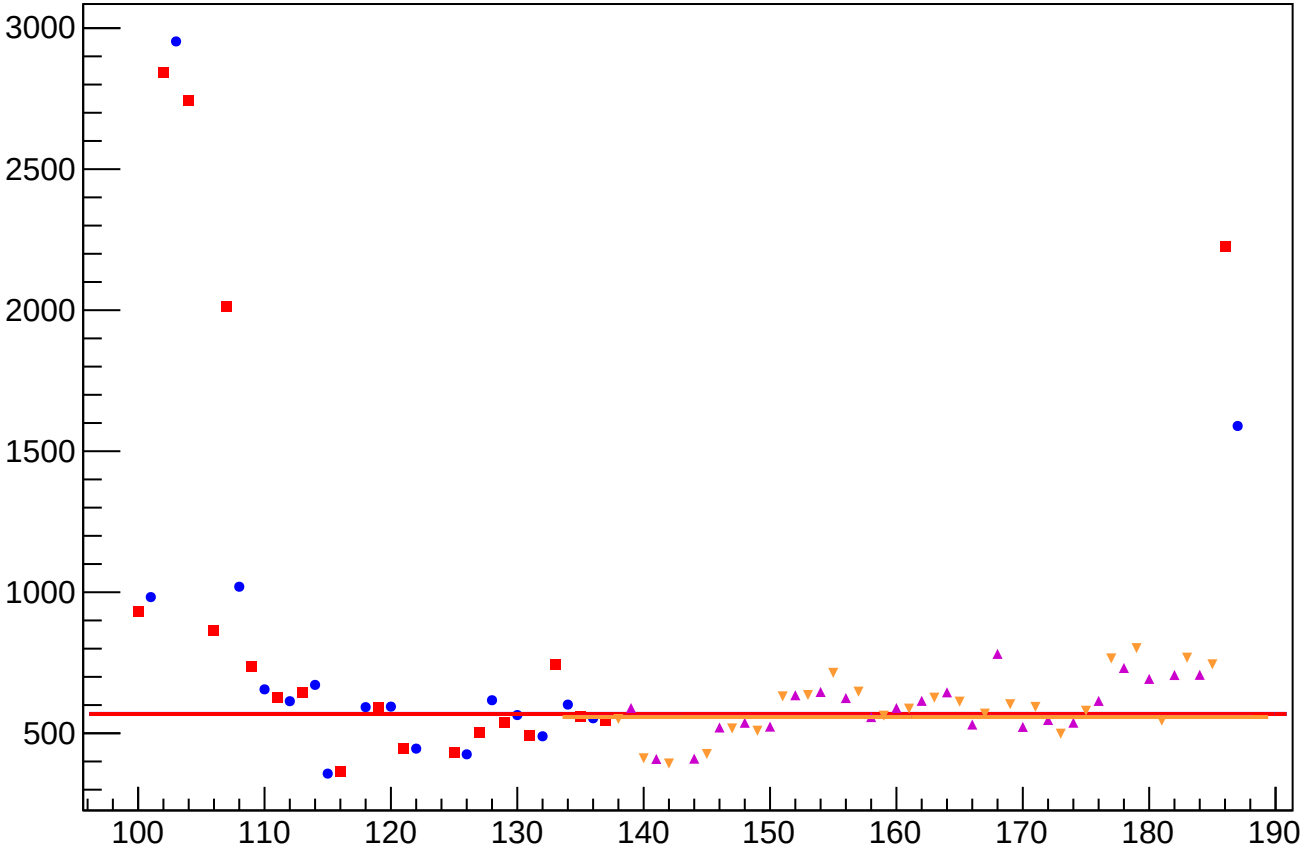
+ sign 1146.305+/-0.160 χ^2/NDF: 415427.4/40

All: 1152.378+/-0.114 χ^2/NDF: 1147860.0/82

- sign 1158.605+/-0.162 χ^2/NDF: 729500.7/41


asym_usl_atl1_dd_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -185.333+/-222.353 χ²/NDF: 25.5/16
Left Out: -541.592+/-132.012 χ²/NDF:60.9/23
Right Out: -411.890+/-226.124 χ²/NDF: 18.2/18
Left In: -84.122+/-132.548 χ²/NDF:16.4/22
+ sign -448.744+/-113.513 χ²/NDF: 88.3/40
All: -309.375+/-80.560 χ²/NDF: 127.5/82
- sign -167.942+/-114.351 χ²/NDF: 36.2/41

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 568.642+/-0.157 χ^2/NDF: 1636111.2/16

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 568.264+/-0.160 χ^2/NDF: 2726791.4/18

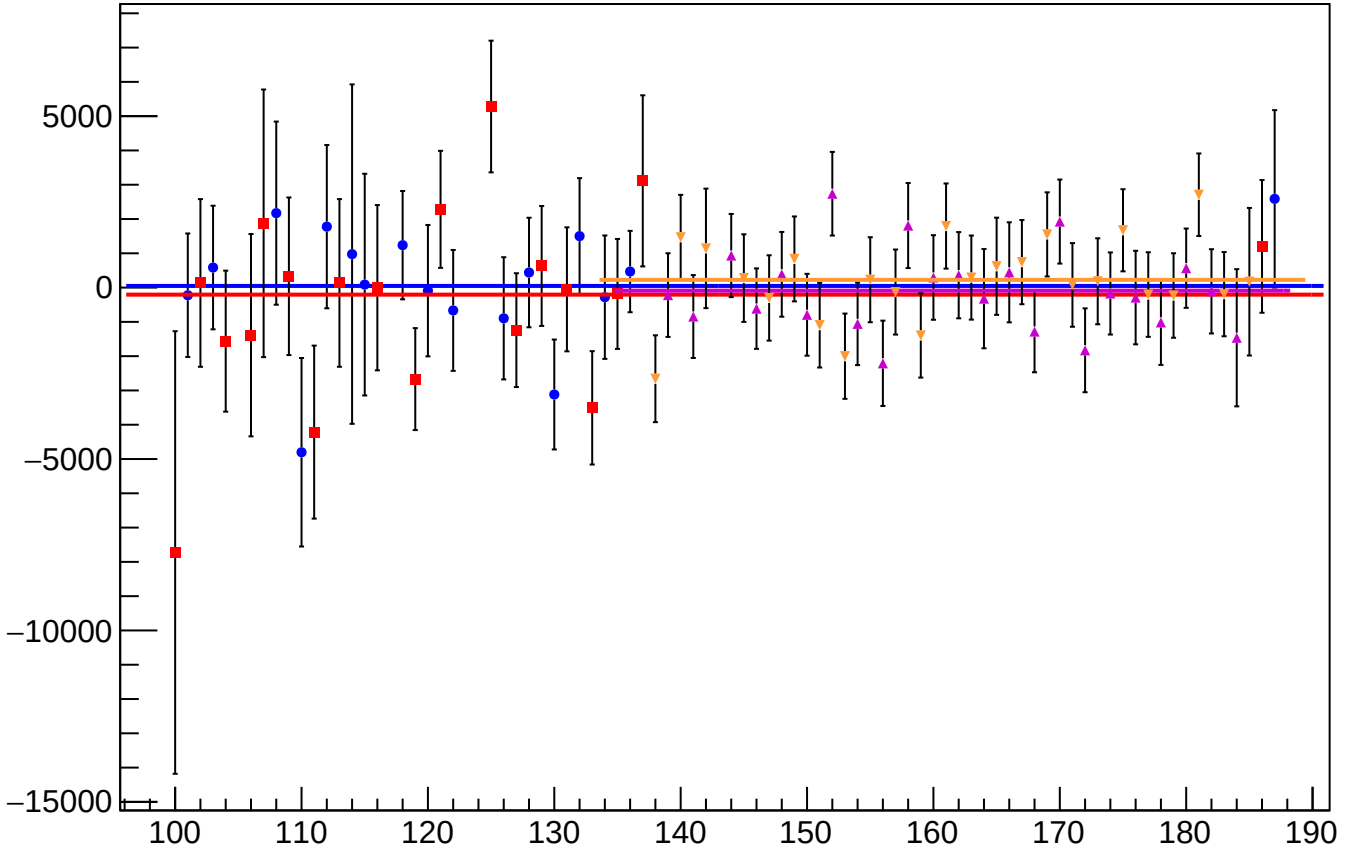
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

\+ sign 560.472+/-0.080 χ^2/NDF: 2833033.6/40

All: 560.693+/-0.057 χ^2/NDF: 6590491.3/82

\- sign 560.917+/-0.081 χ^2/NDF: 3757442.4/41

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 48.342+/-455.967 χ^2/NDF: 11.3/16

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -205.458+/-469.394 χ^2/NDF: 24.8/18

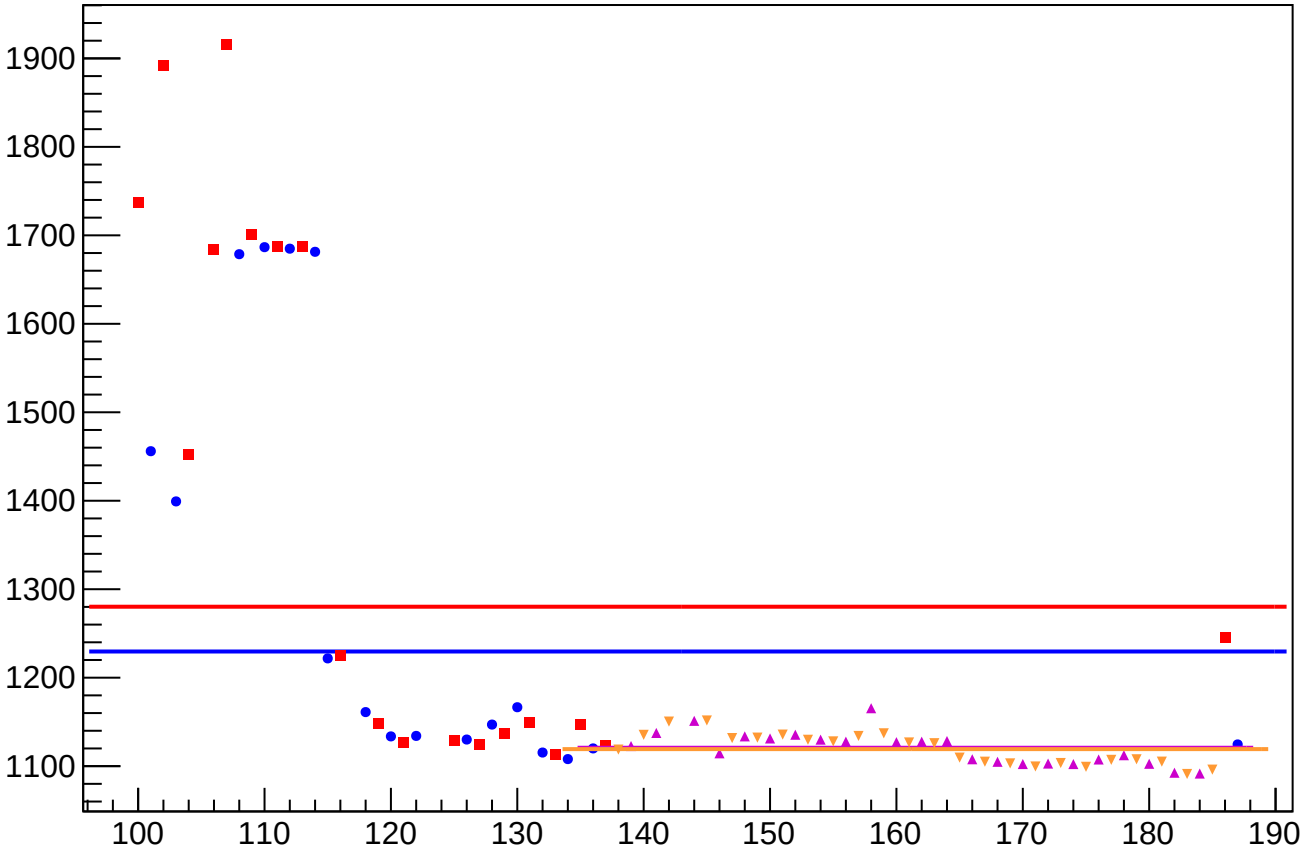
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 182.196+/-225.749 χ^2/NDF: 33.6/40

All: 34.626+/-160.622 χ^2/NDF: 79.9/82

- sign -116.678+/-228.587 χ^2/NDF: 45.4/41

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1229.598+/-0.322 χ^2/NDF: 318873.1/16

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

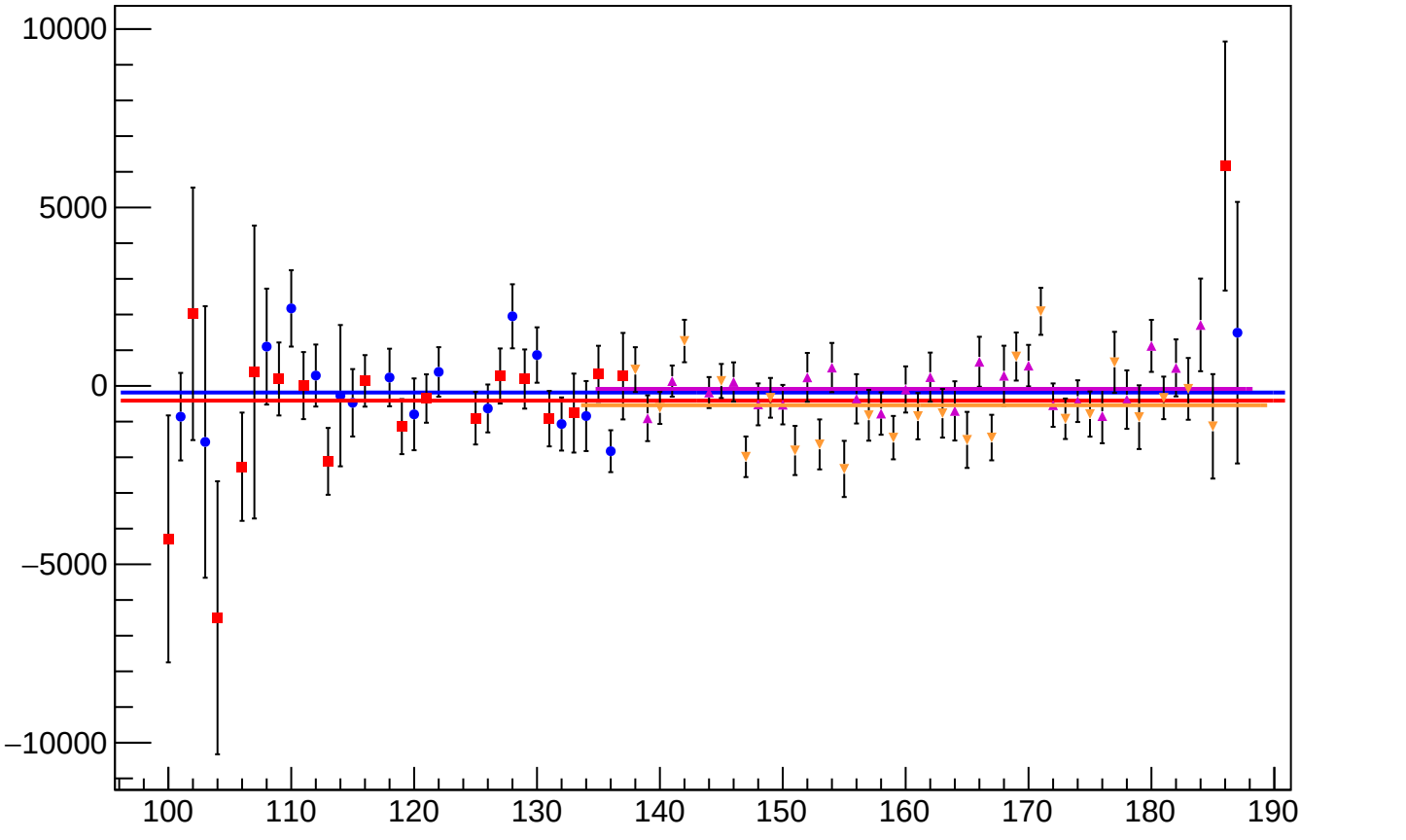
Right Out: 1280.214+/-0.332 χ^2/NDF: 544102.0/18

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1146.305+/-0.160 χ^2/NDF: 415426.9/40

All: 1152.378+/-0.114 χ^2/NDF: 1147858.7/82

- sign 1158.605+/-0.162 χ^2/NDF: 729500.0/41



Right In: -185.332+/-222.353 χ^2/NDF: 25.5/16

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

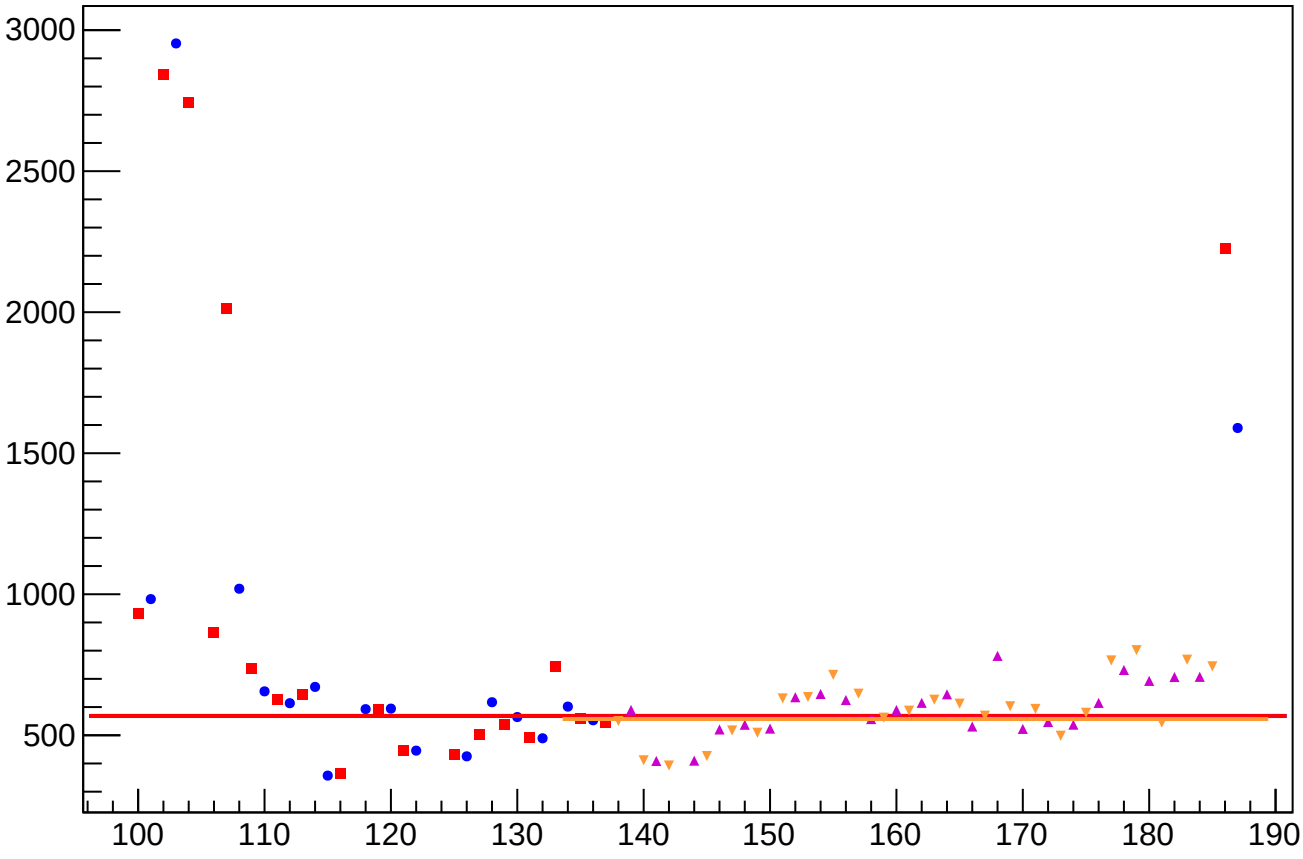
Right Out: -411.890+/-226.124 χ^2/NDF: 18.2/18

Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -448.743+/-113.513 χ^2/NDF: 88.3/40

All: -309.375+/-80.560 χ^2/NDF: 127.5/82

- sign -167.942+/-114.351 χ^2/NDF: 36.2/41



Right In: 568.642+/-0.157 χ^2/NDF: 1636108.3/16

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

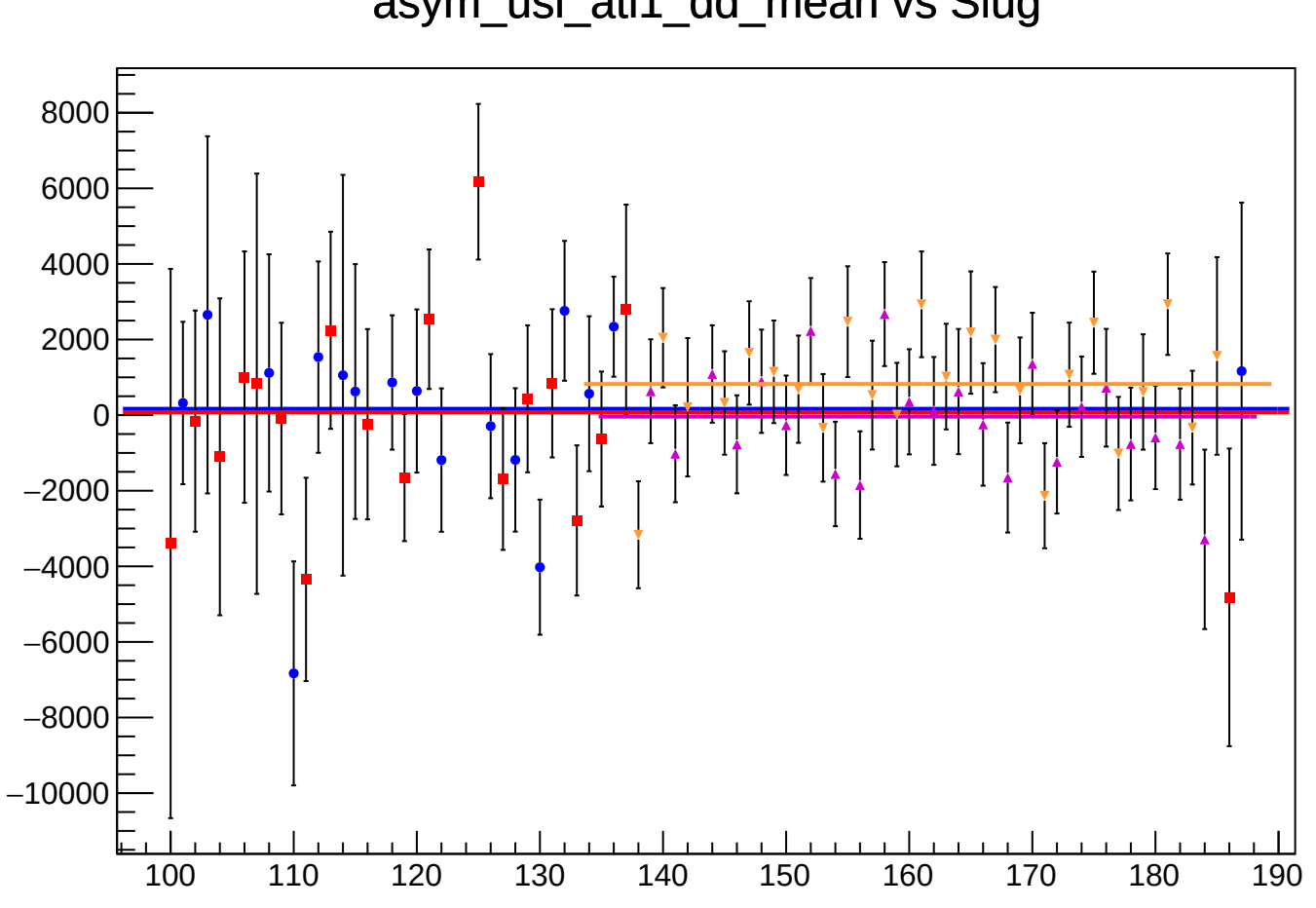
Right Out: 568.264+/-0.160 χ^2/NDF: 2726792.1/18

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 560.471+/-0.080 χ^2/NDF: 2833052.1/40

All: 560.692+/-0.057 χ^2/NDF: 6590525.5/82

- sign 560.917+/-0.081 χ^2/NDF: 3757458.0/41



Right In: 167.560+/-528.348 χ^2/NDF: 17.8/16

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 78.660+/-544.860 χ^2/NDF: 21.2/18

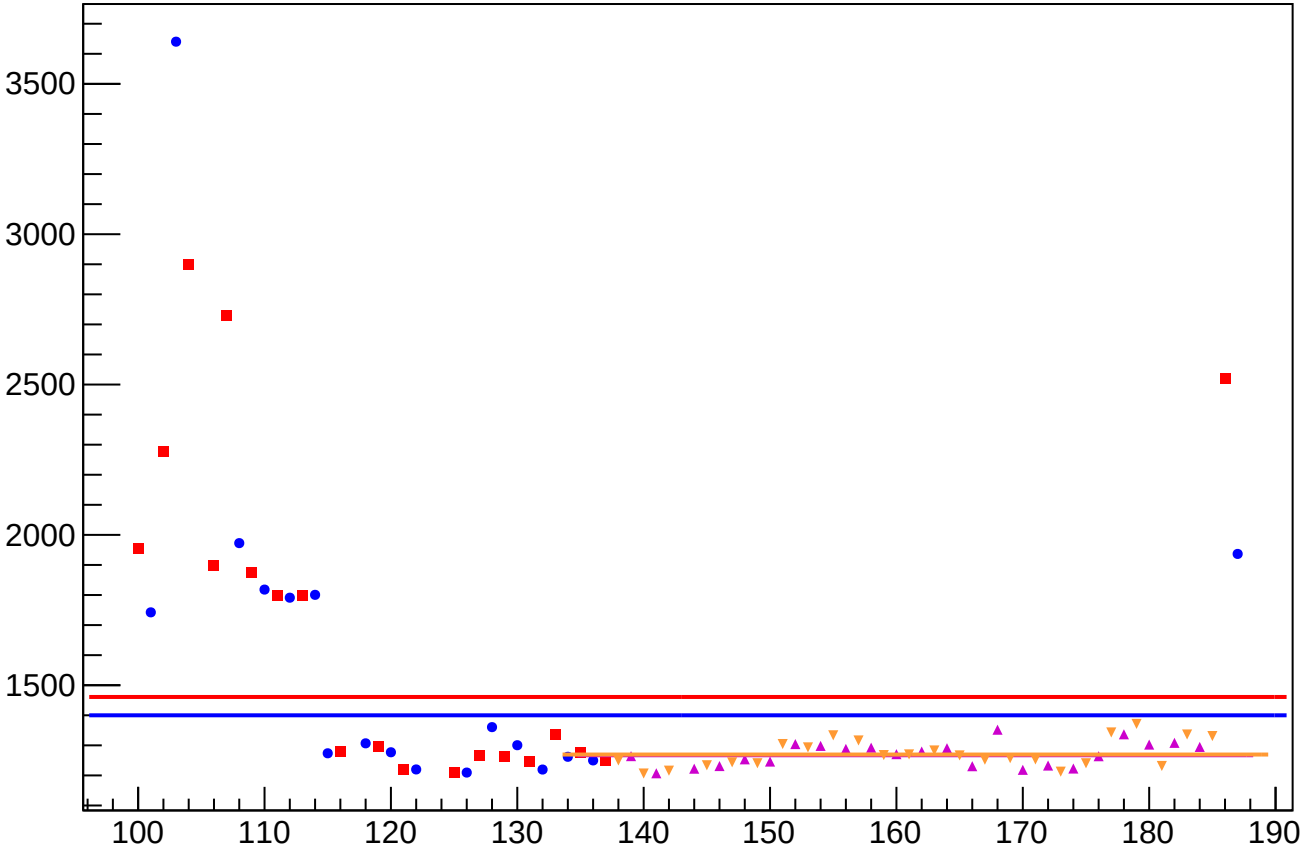
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 667.605+/-257.461 χ^2/NDF: 45.2/40

All: 330.910+/-182.979 χ^2/NDF: 87.8/82

- sign -12.724+/-260.101 χ^2/NDF: 39.1/41

asym_usl_atl1_dd_rms vs Slug



Right In: 1399.942+/-0.374 χ^2/NDF: 808635.0/16

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

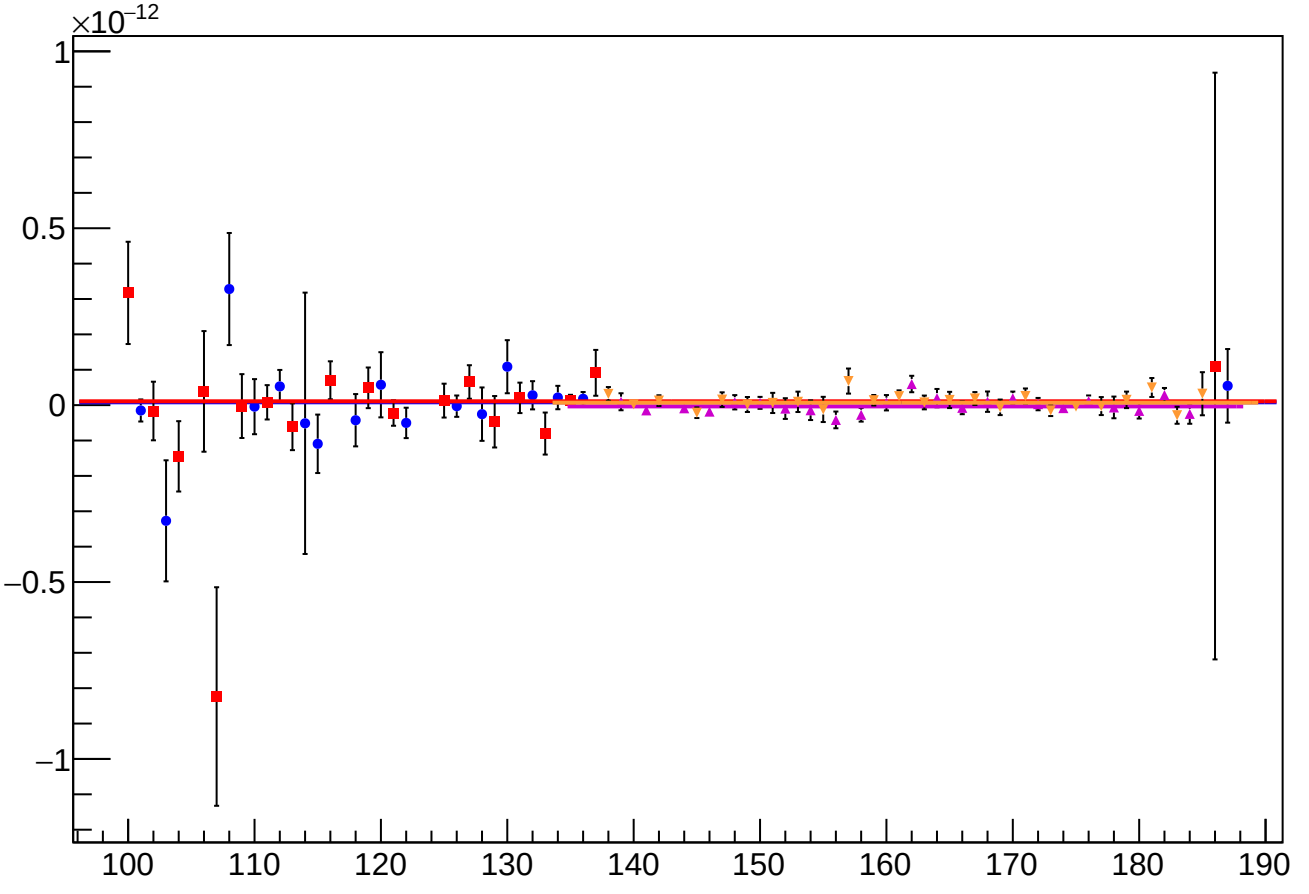
Right Out: 1460.924+/-0.385 χ^2/NDF: 1002768.6/18

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1300.429+/-0.182 χ^2/NDF: 944719.4/40

All: 1305.781+/-0.129 χ^2/NDF: 2179264.1/82

- sign 1311.243+/-0.184 χ^2/NDF: 1232798.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

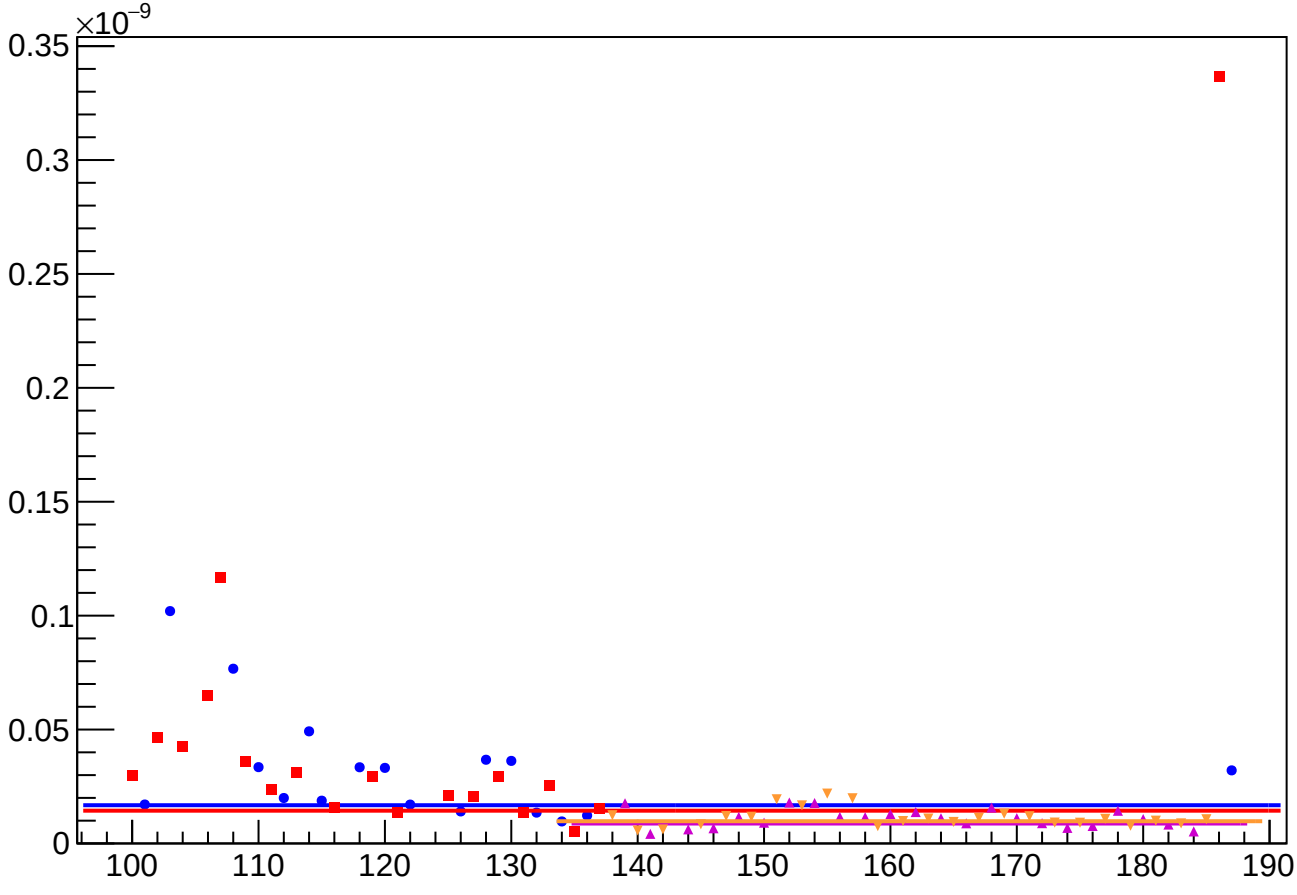
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/18

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/40

All: 0.000+/-0.000 χ^2/NDF: 88.7/82

- sign -0.000+/-0.000 χ^2/NDF: 48.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1616803.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2560355.3/18

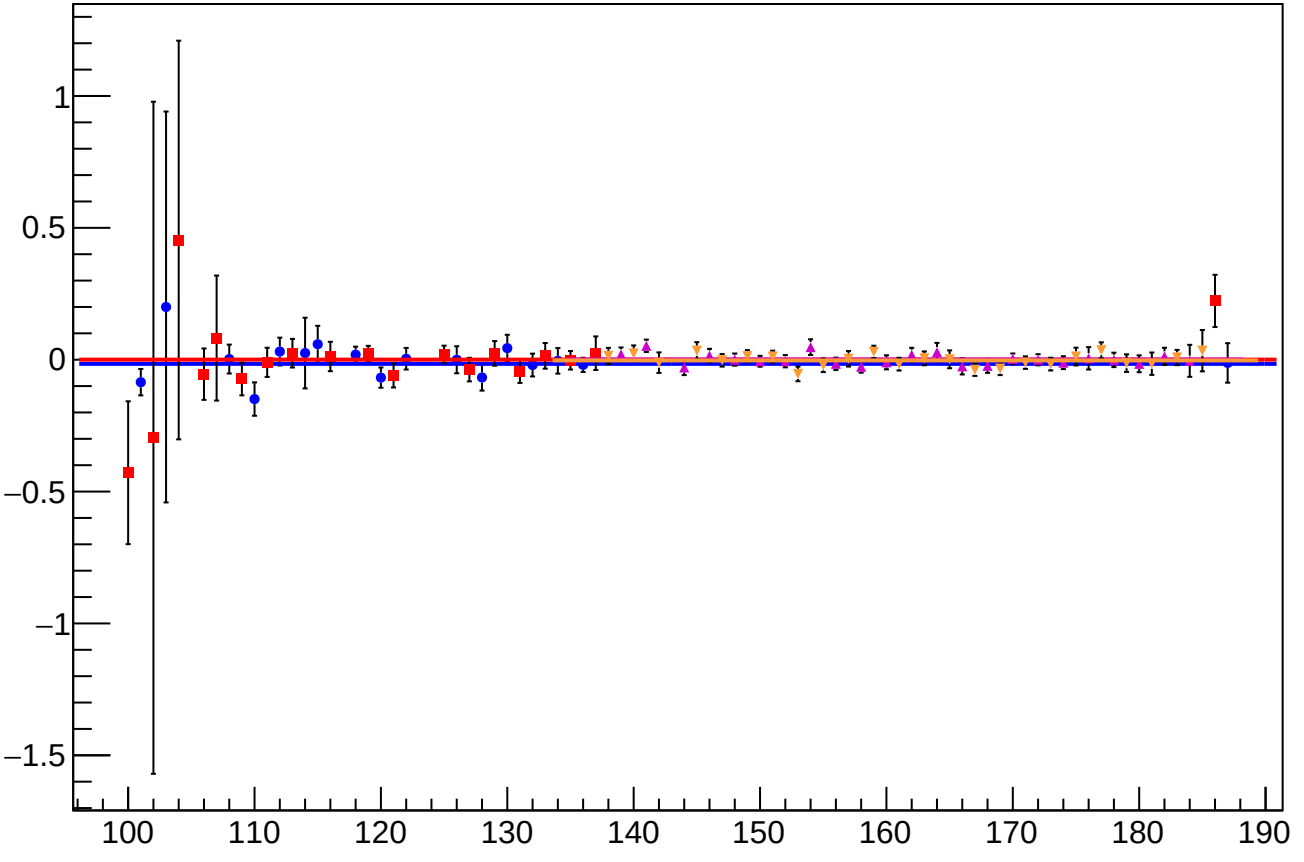
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3734366.0/40

All: 0.000+/-0.000 χ^2/NDF: 8843341.0/82

- sign 0.000+/-0.000 χ^2/NDF: 4993581.5/41

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.000+/-0.012 χ^2/NDF: 15.0/18

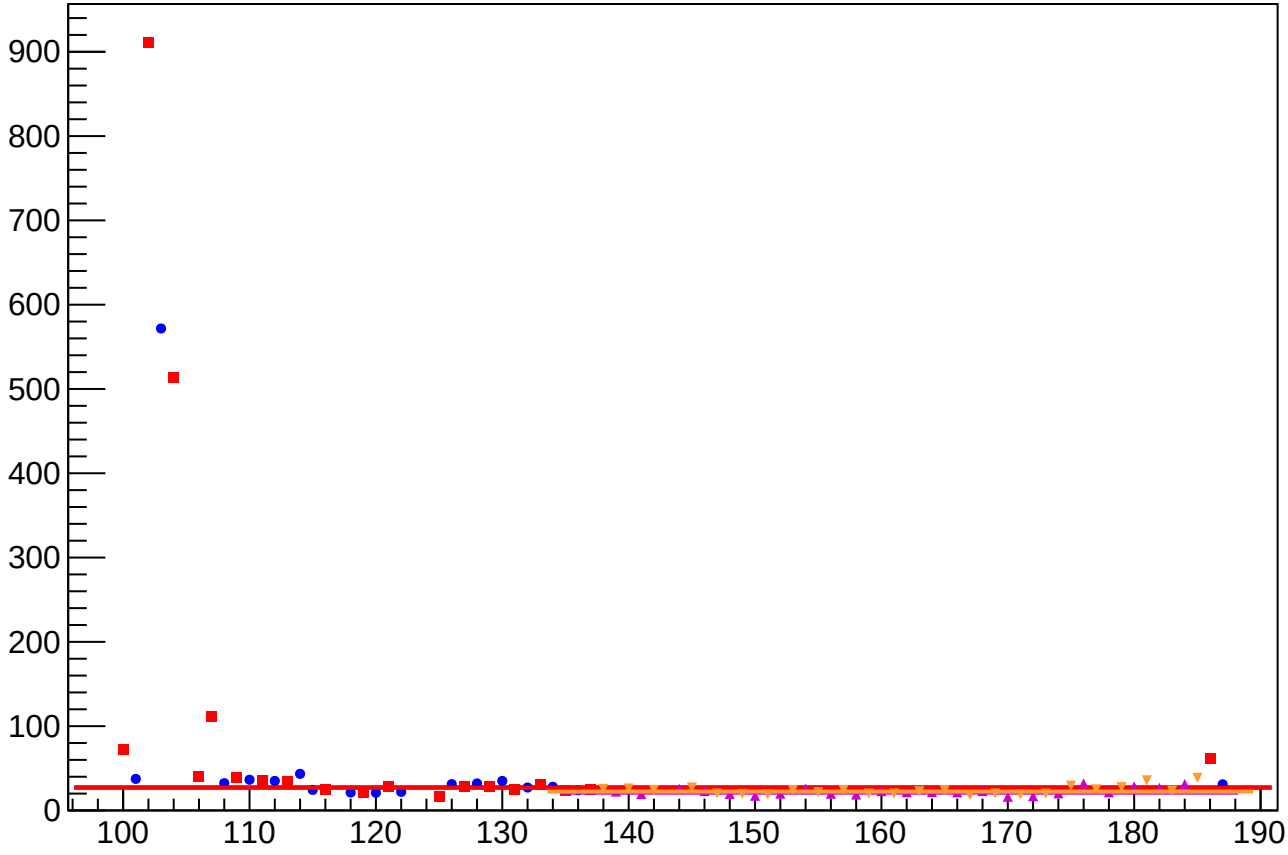
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 32.0/40

All: -0.002+/-0.004 χ^2/NDF: 62.6/82

- sign 0.001+/-0.005 χ^2/NDF: 29.9/41

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.390+/-0.008 χ^2/NDF: 1573005.2/16

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

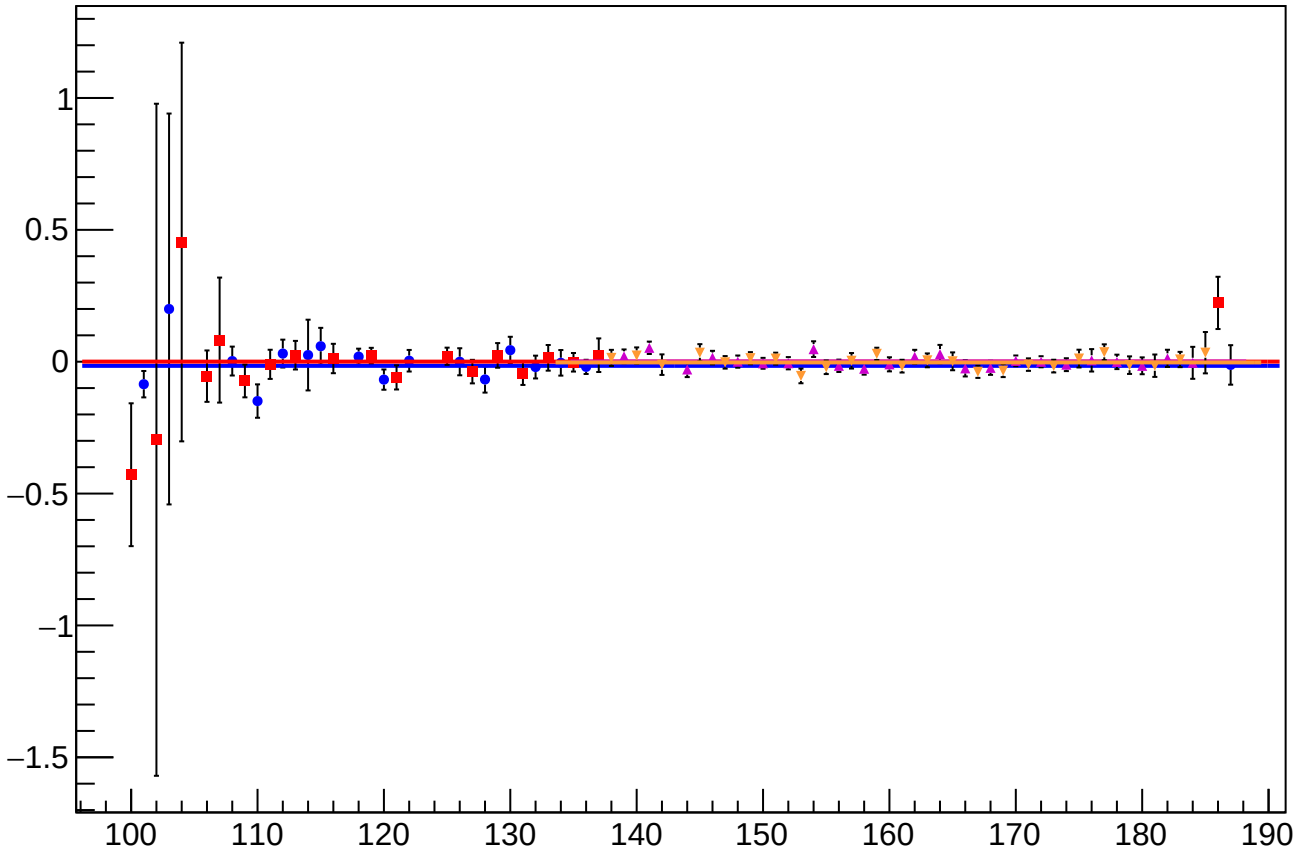
Right Out: 26.910+/-0.008 χ^2/NDF: 2862679.0/18

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.354+/-0.004 χ^2/NDF: 2700481.8/40

All: 22.716+/-0.003 χ^2/NDF: 6835865.5/82

- sign 22.107+/-0.004 χ^2/NDF: 4073845.5/41



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

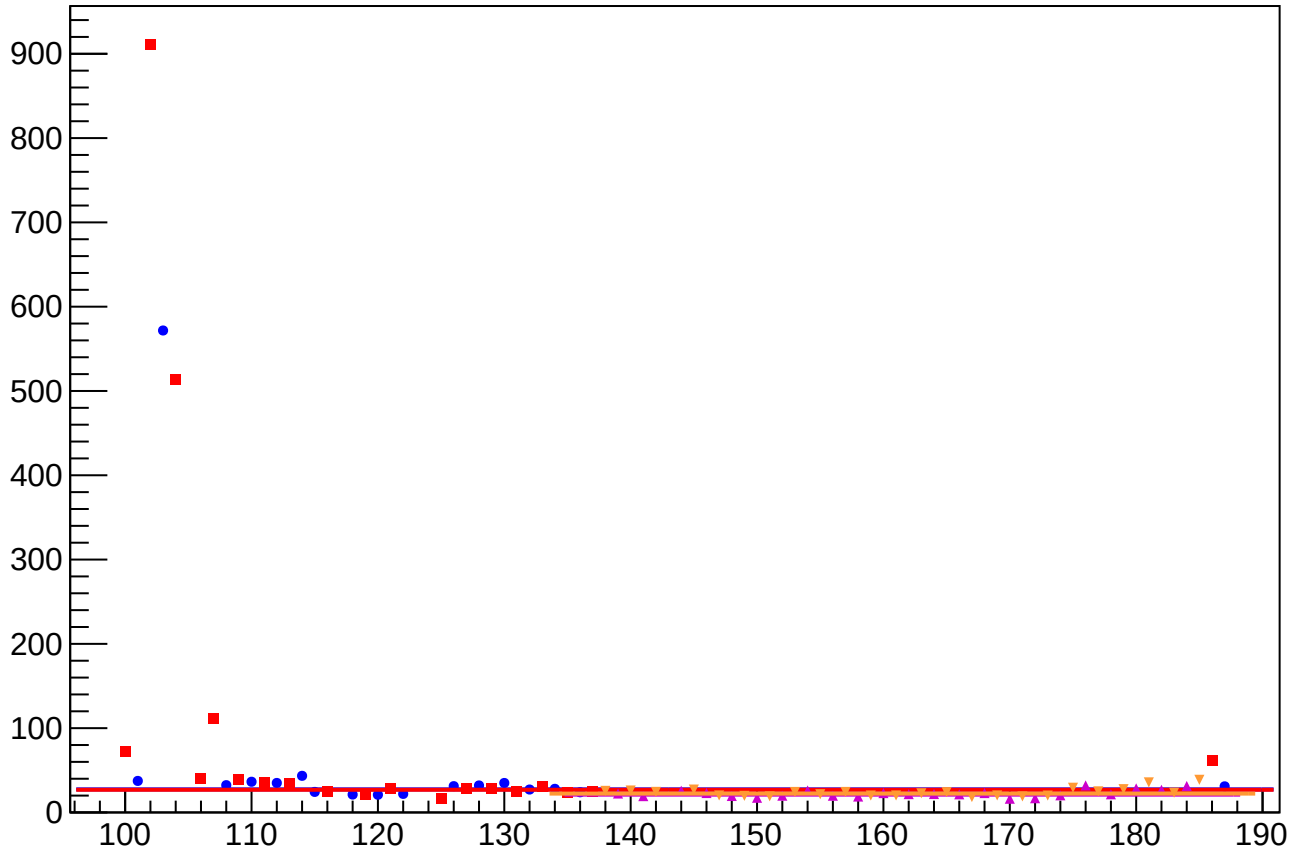
Right Out: 0.000+/-0.012 χ^2/NDF: 15.0/18

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 32.0/40

All: -0.002+/-0.004 χ^2/NDF: 62.6/82

\- sign 0.001+/-0.005 χ^2/NDF: 29.9/41



Right In: 27.390+/-0.008 χ^2/NDF: 1573005.2/16

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

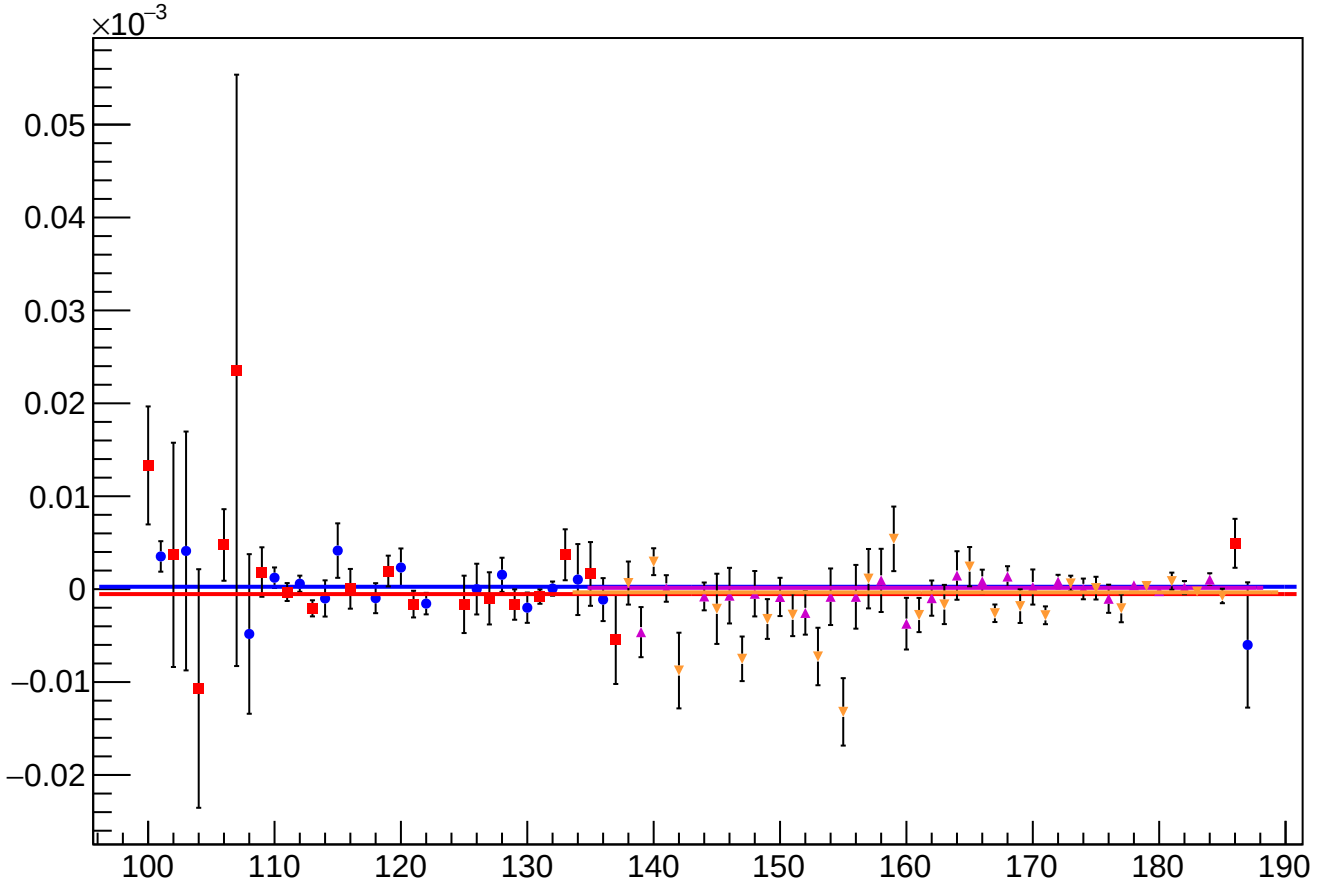
Right Out: 26.910+/-0.008 χ^2/NDF: 2862679.0/18

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 23.354+/-0.004 χ^2/NDF: 2700481.8/40

All: 22.716+/-0.003 χ^2/NDF: 6835865.5/82

- sign 22.107+/-0.004 χ^2/NDF: 4073845.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/18

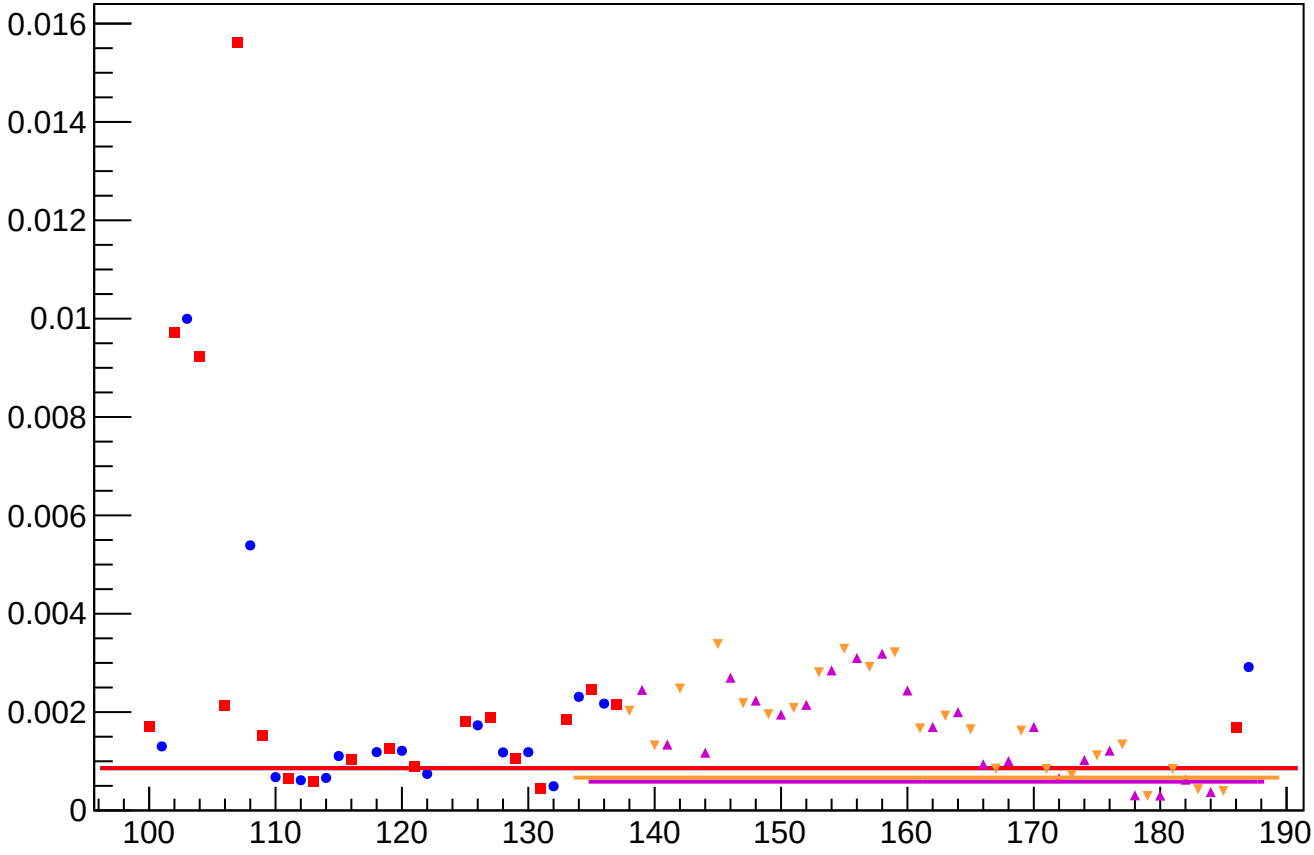
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 85.3/40

All: -0.000+/-0.000 χ^2/NDF: 126.4/82

- sign 0.000+/-0.000 χ^2/NDF: 40.3/41

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4050261.6/16

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

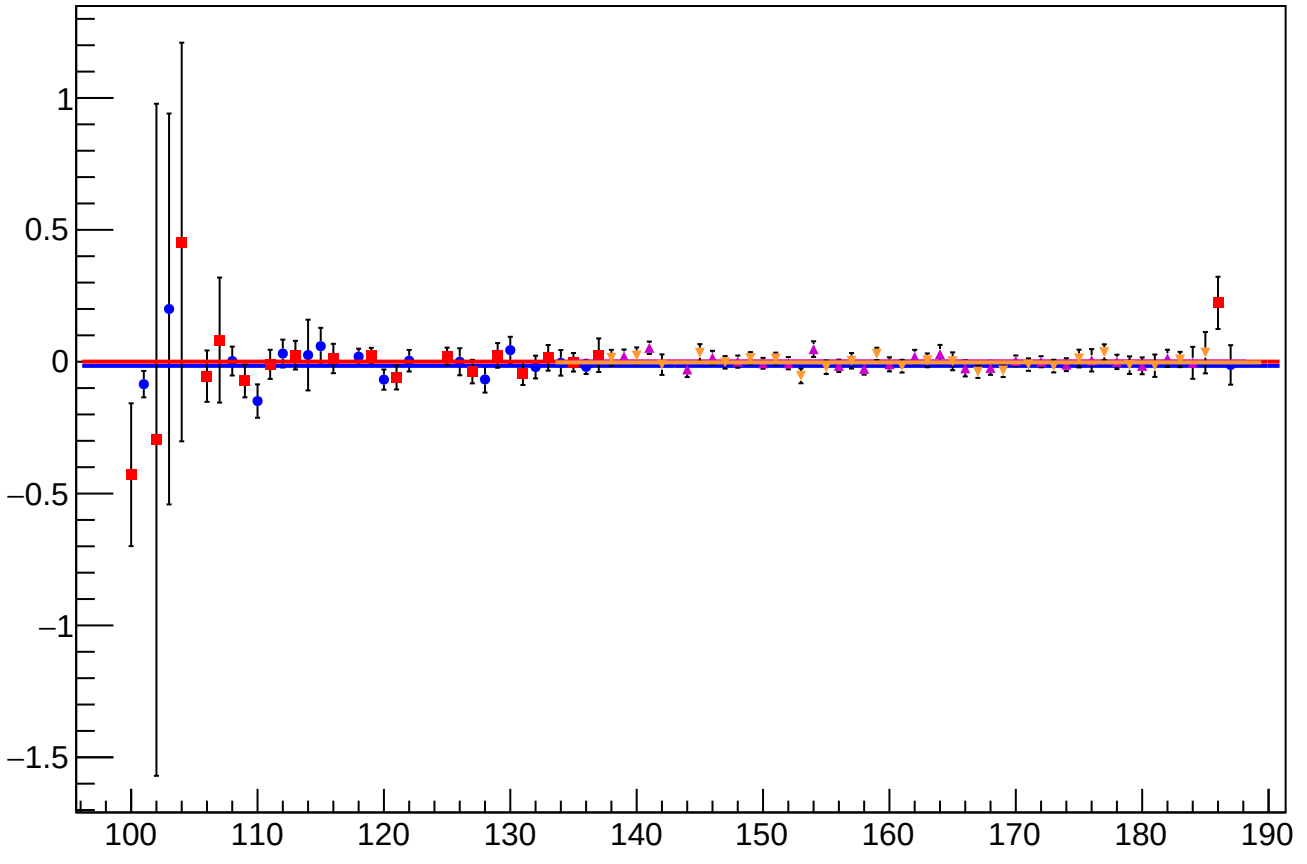
Right Out: 0.001+/-0.000 χ^2/NDF: 5243935.6/18

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

\+ sign 0.001+/-0.000 χ^2/NDF: 19825647.3/40

All: 0.001+/-0.000 χ^2/NDF: 41704556.2/82

\- sign 0.001+/-0.000 χ^2/NDF: 21689478.8/41



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

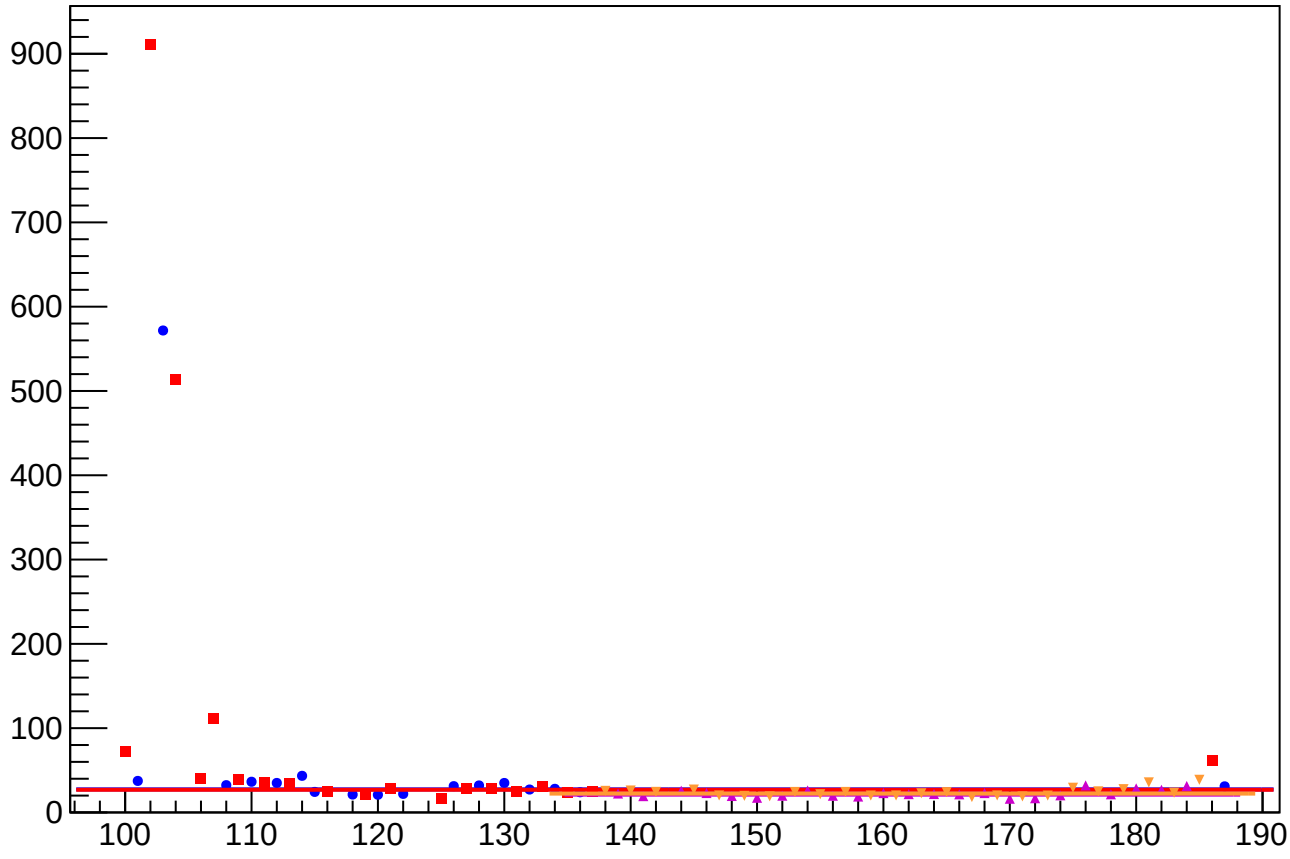
Right Out: 0.000+/-0.012 χ^2/NDF: 15.0/18

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 32.0/40

All: -0.002+/-0.004 χ^2/NDF: 62.6/82

- sign 0.001+/-0.005 χ^2/NDF: 29.9/41



Right In: 27.390+/-0.008 χ^2/NDF: 1572997.6/16

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

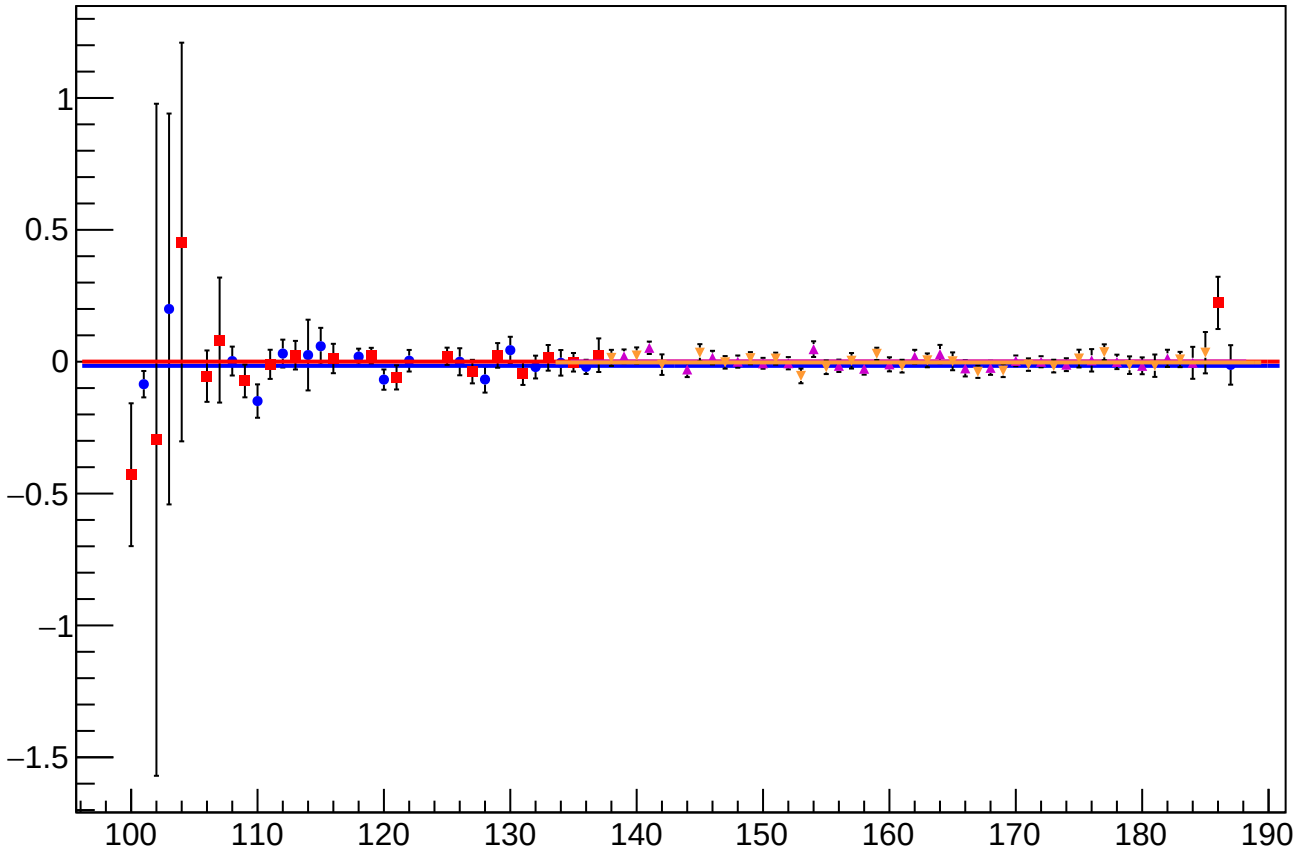
Right Out: 26.910+/-0.008 χ^2/NDF: 2862695.3/18

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 23.354+/-0.004 χ^2/NDF: 2700447.3/40

All: 22.716+/-0.003 χ^2/NDF: 6835861.0/82

- sign 22.107+/-0.004 χ^2/NDF: 4073878.0/41



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

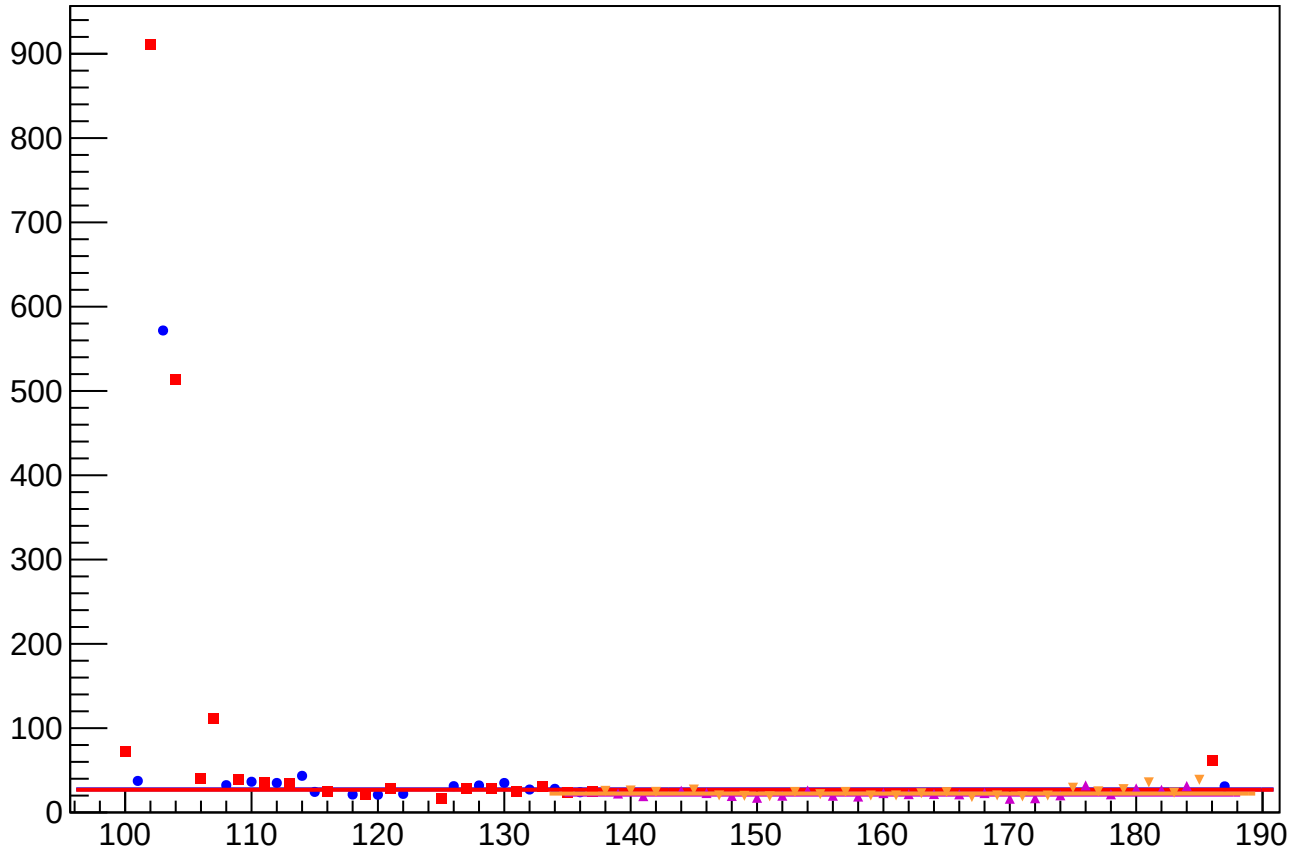
Right Out: 0.000+/-0.012 χ^2/NDF: 15.0/18

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 32.0/40

All: -0.002+/-0.004 χ^2/NDF: 62.6/82

\- sign 0.001+/-0.005 χ^2/NDF: 29.9/41



Right In: 27.390+/-0.008 χ^2/NDF: 1572997.6/16

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

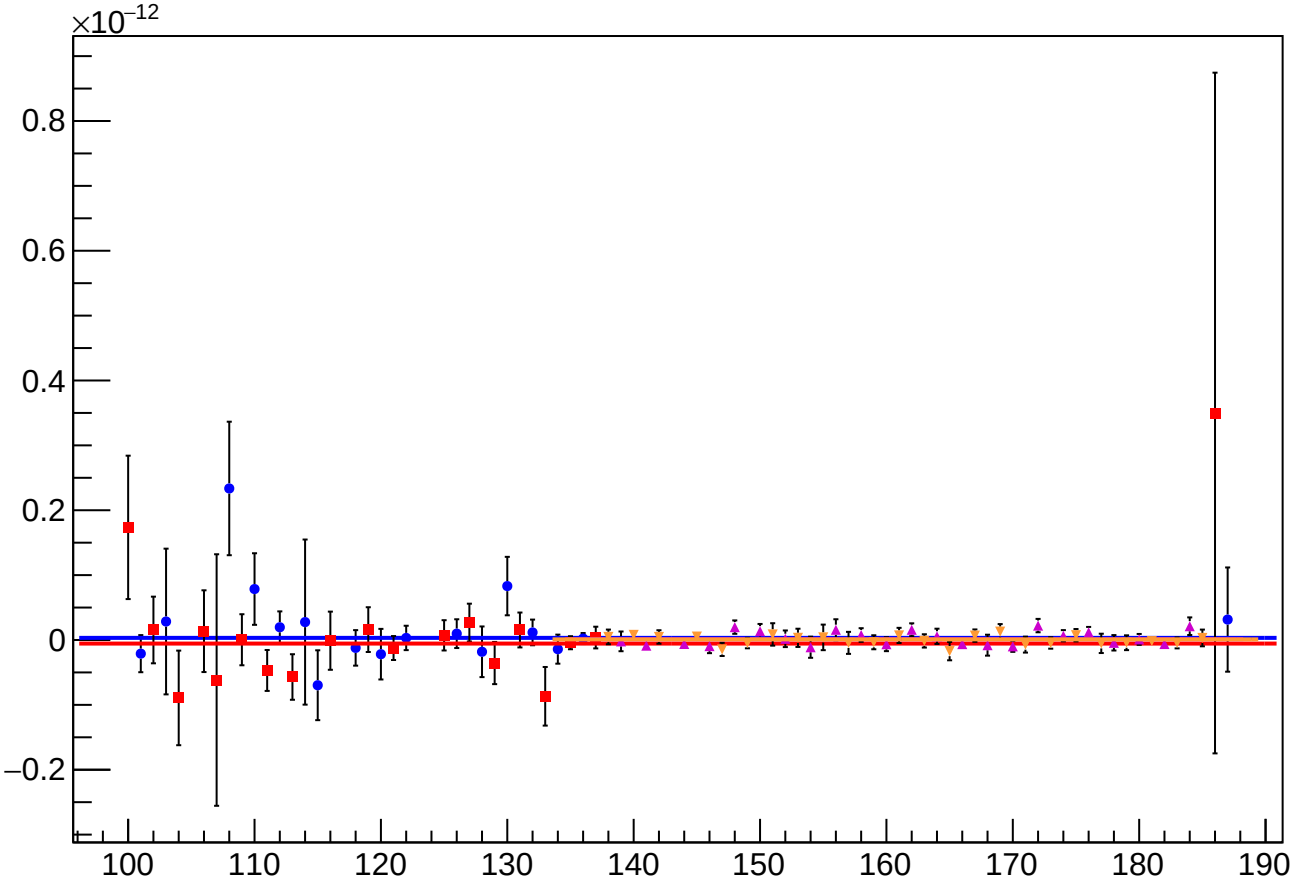
Right Out: 26.910+/-0.008 χ^2/NDF: 2862695.3/18

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

\+ sign 23.354+/-0.004 χ^2/NDF: 2700447.3/40

All: 22.716+/-0.003 χ^2/NDF: 6835861.0/82

\- sign 22.107+/-0.004 χ^2/NDF: 4073878.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

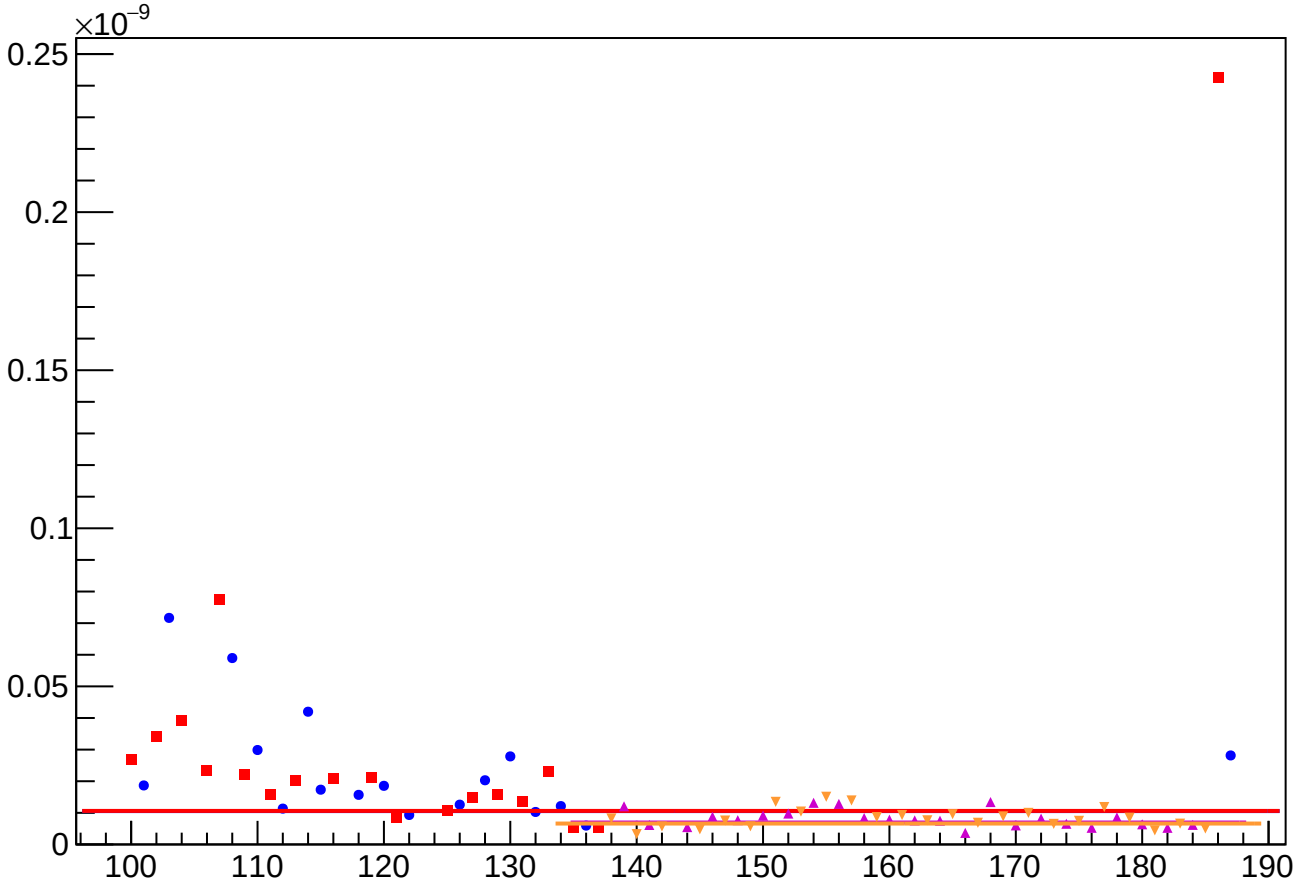
Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 26.9/40

All: 0.000+/-0.000 χ^2/NDF: 69.5/82

- sign 0.000+/-0.000 χ^2/NDF: 42.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 2891367.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3162892.1/18

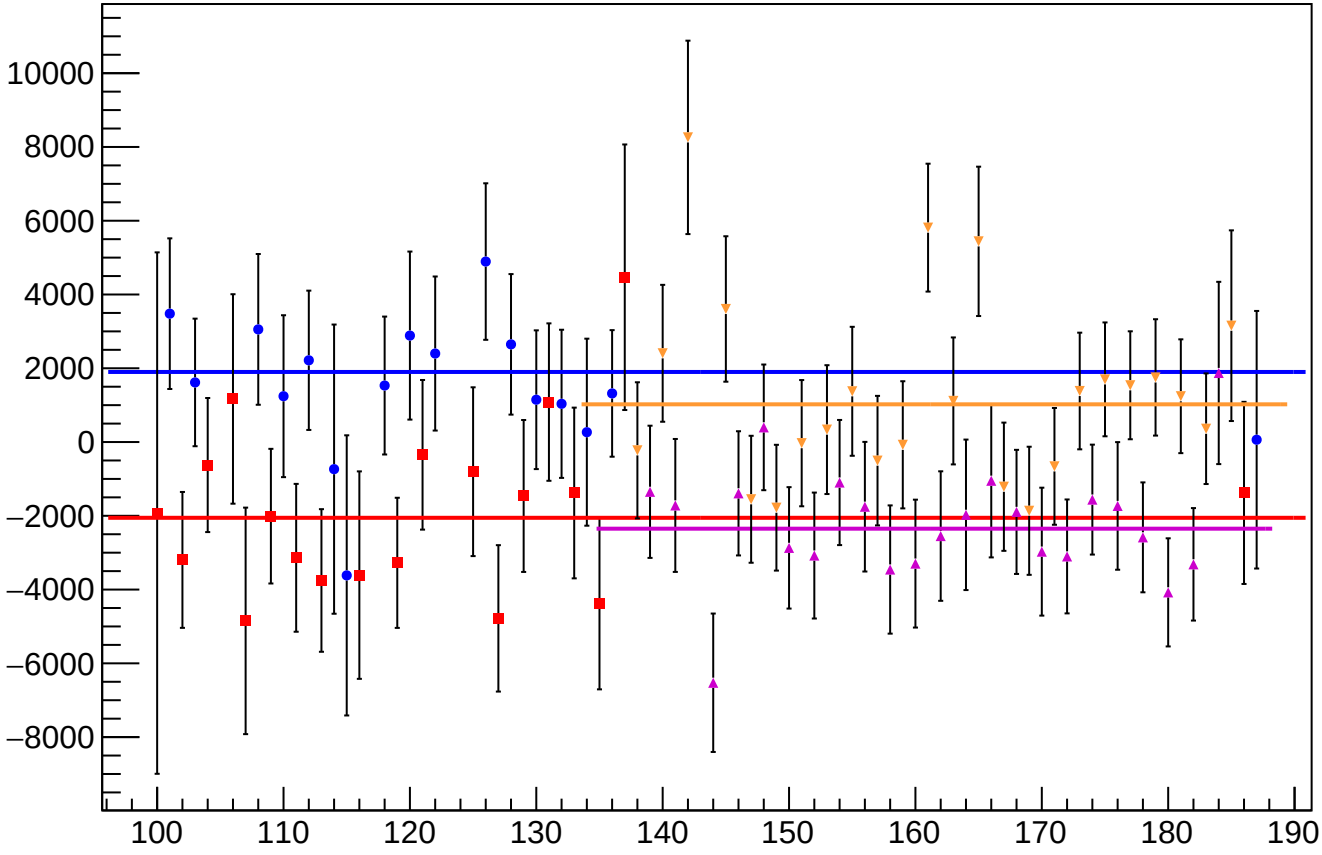
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7194432.4/40

All: 0.000+/-0.000 χ^2/NDF: 13347168.5/82

- sign 0.000+/-0.000 χ^2/NDF: 6131949.0/41

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 1899.881+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2054.055+/-508.445 χ^2/NDF: 14.6/18

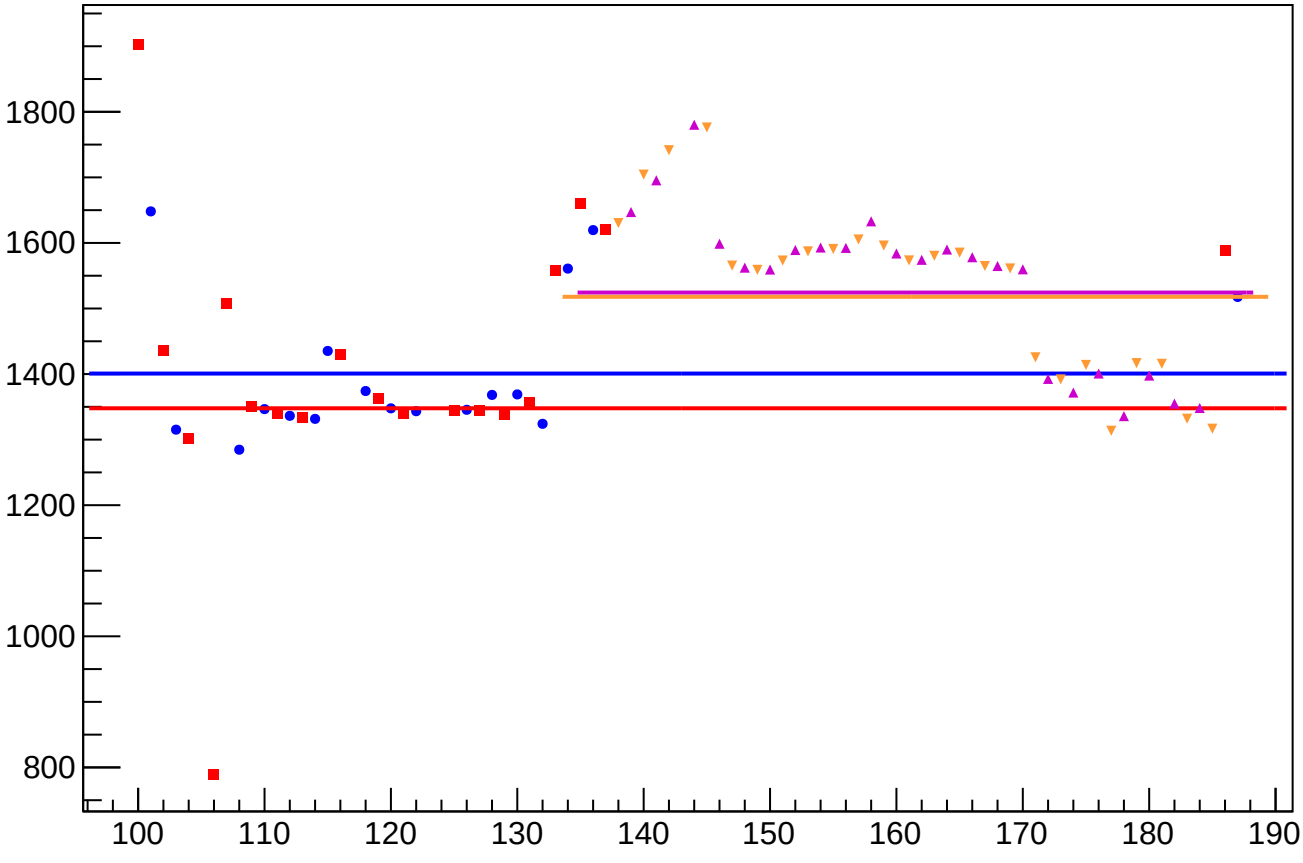
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1302.459+/-291.683 χ^2/NDF: 45.6/40

All: -471.424+/-206.437 χ^2/NDF: 150.5/82

- sign -2251.708+/-292.209 χ^2/NDF: 30.8/41

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

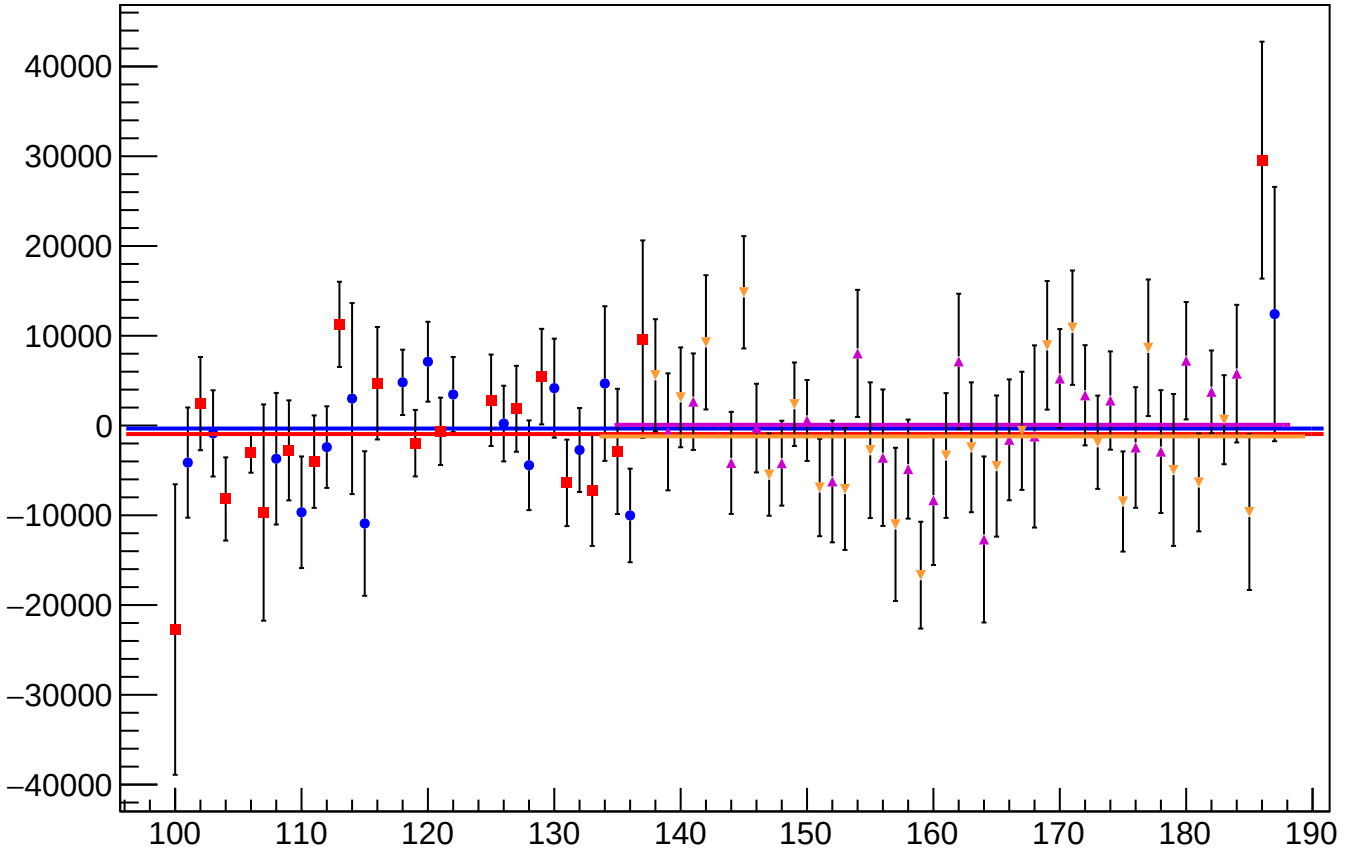
Right Out: 1347.809+/-0.349 χ^2/NDF: 337507.0/18

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.479+/-0.206 χ^2/NDF: 400127.6/40

All: 1471.974+/-0.145 χ^2/NDF: 1133397.0/82

- sign 1463.612+/-0.205 χ^2/NDF: 729897.3/41



Right In: -334.405+/-1290.526 χ^2/NDF: 16.7/16

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -951.850+/-1115.880 χ^2/NDF: 25.0/18

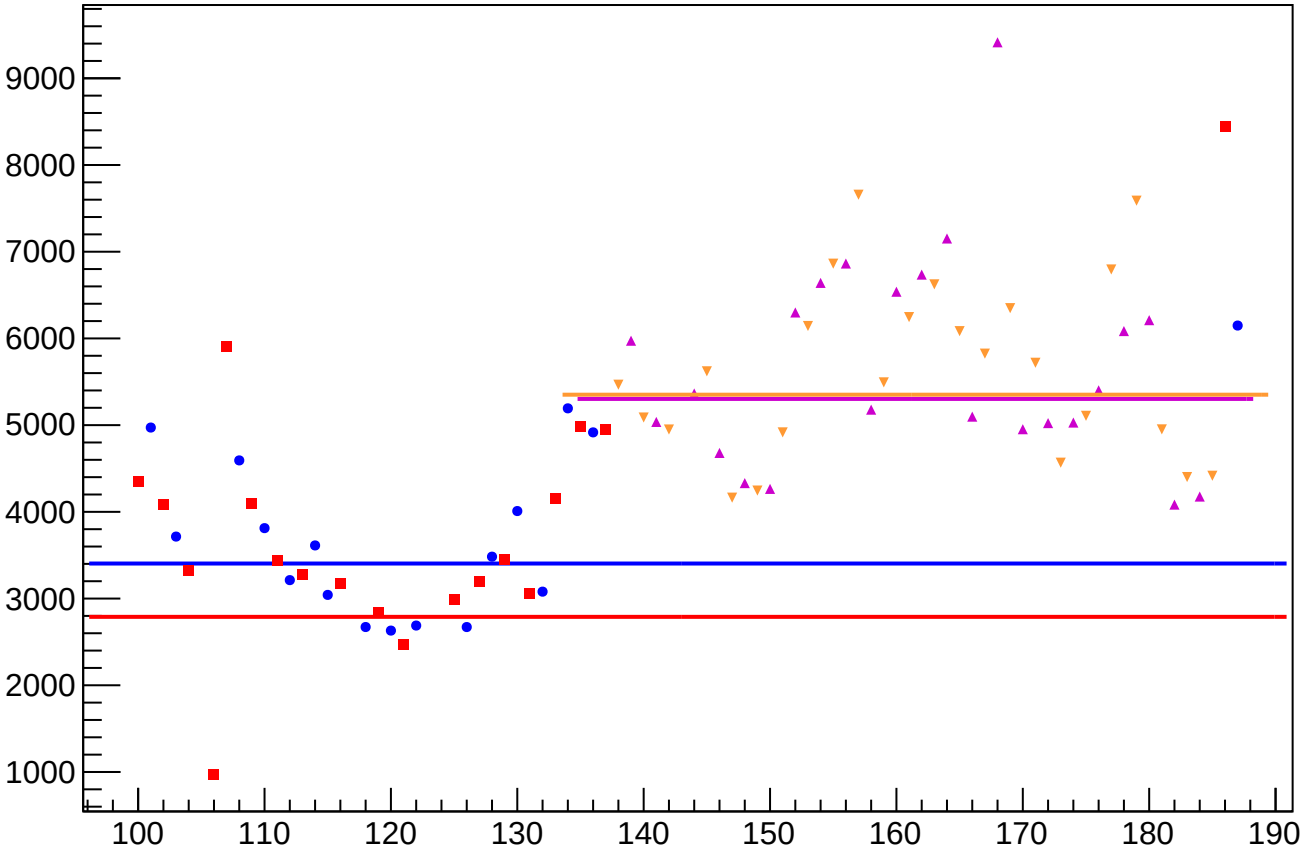
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -780.765+/-904.585 χ^2/NDF: 50.2/40

All: -629.273+/-614.208 χ^2/NDF: 88.9/82

- sign -499.688+/-836.631 χ^2/NDF: 38.6/41

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3404.089+/-0.913 χ^2/NDF: 832855.3/16

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

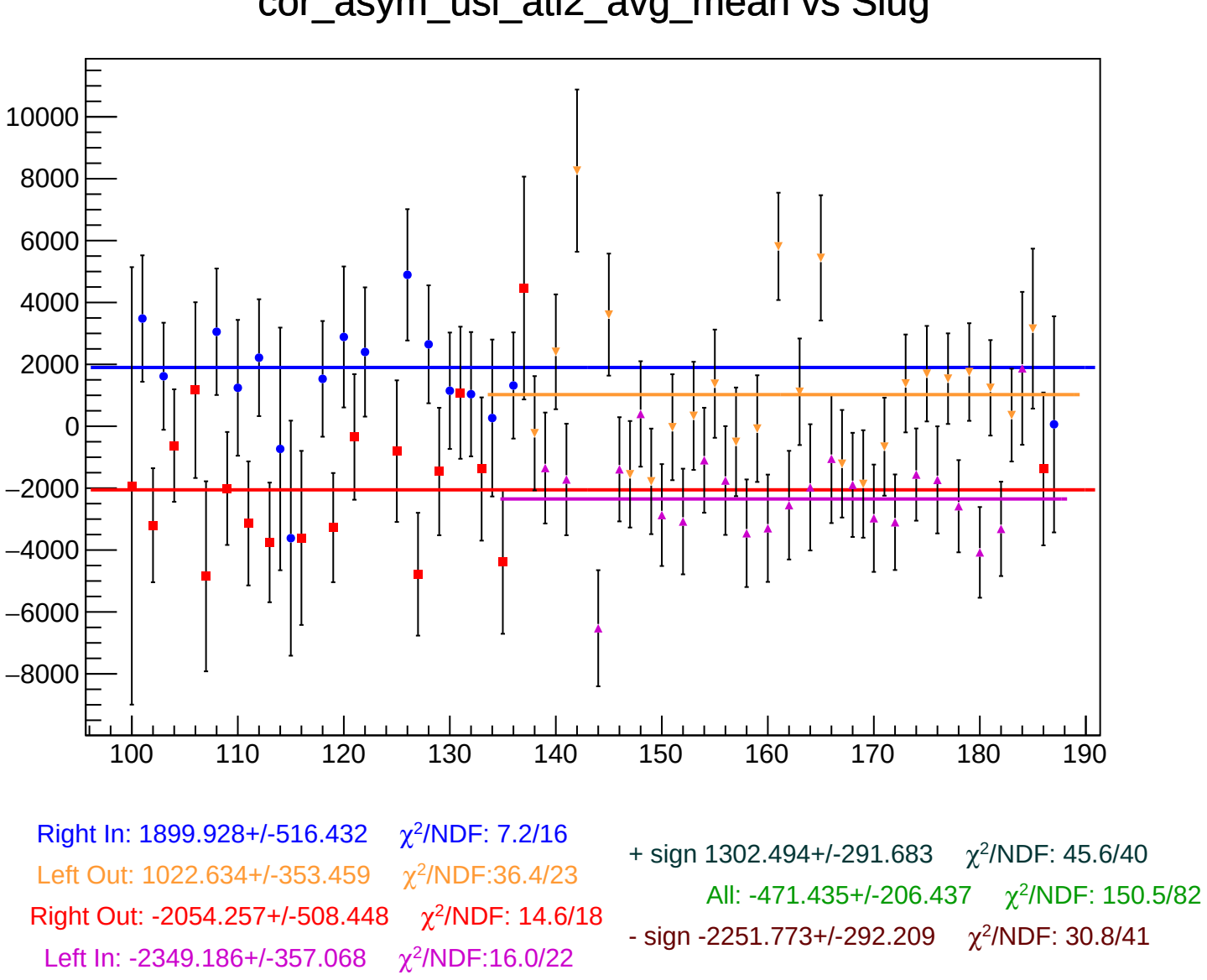
Right Out: 2789.104+/-0.789 χ^2/NDF: 2634702.2/18

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

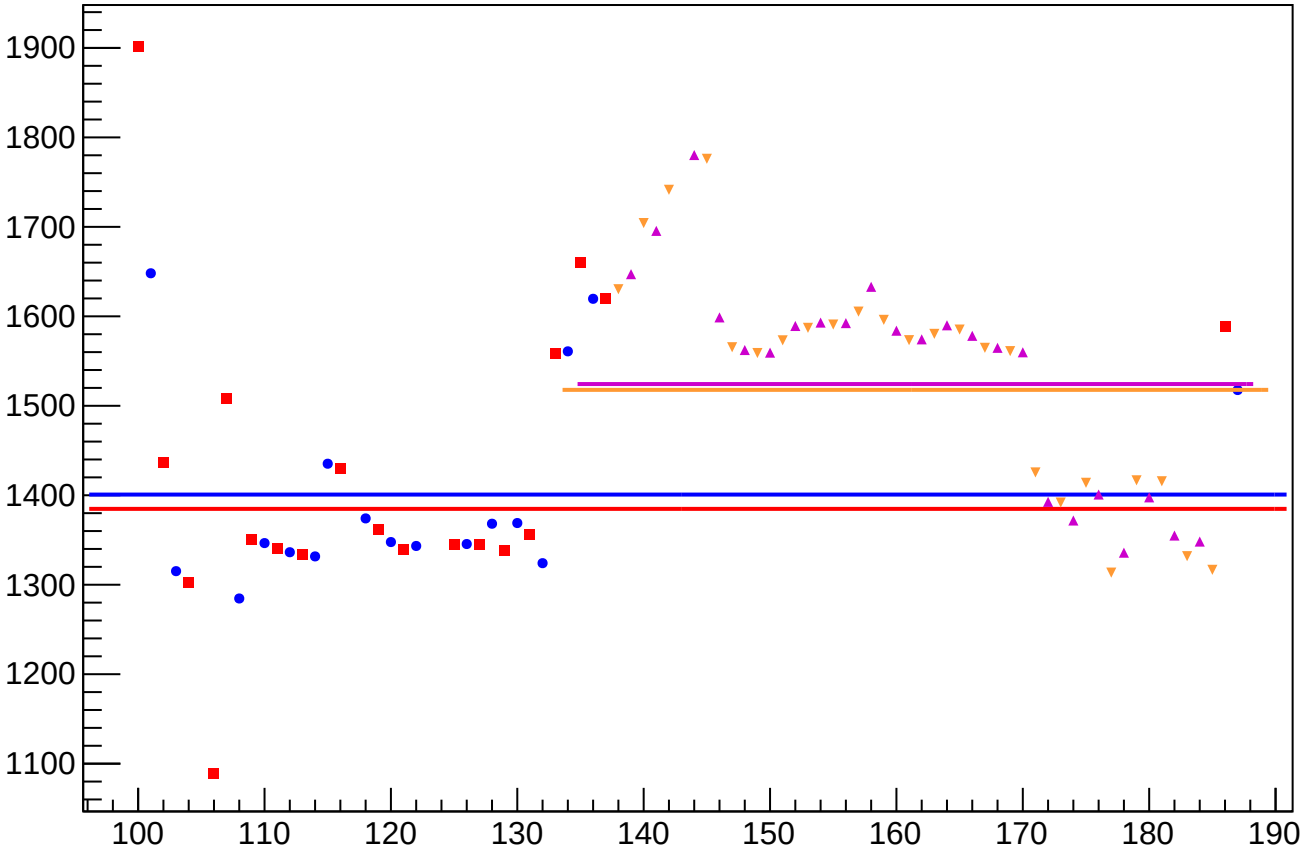
+ sign 4394.507+/-0.640 χ^2/NDF: 4214636.7/40

All: 4122.334+/-0.434 χ^2/NDF: 12883372.1/8

- sign 3889.518+/-0.592 χ^2/NDF: 8332798.3/41


cor_asym_usl_atl2_avg_mean vs Slug
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 1899.928+/-516.432 χ²/NDF: 7.2/16
Left Out: 1022.634+/-353.459 χ²/NDF:36.4/23
Right Out: -2054.257+/-508.448 χ²/NDF: 14.6/18
Left In: -2349.186+/-357.068 χ²/NDF:16.0/22
+ sign 1302.494+/-291.683 χ²/NDF: 45.6/40
All: -471.435+/-206.437 χ²/NDF: 150.5/82
- sign -2251.773+/-292.209 χ²/NDF: 30.8/41

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1384.791+/-0.355 χ^2/NDF: 128189.9/18

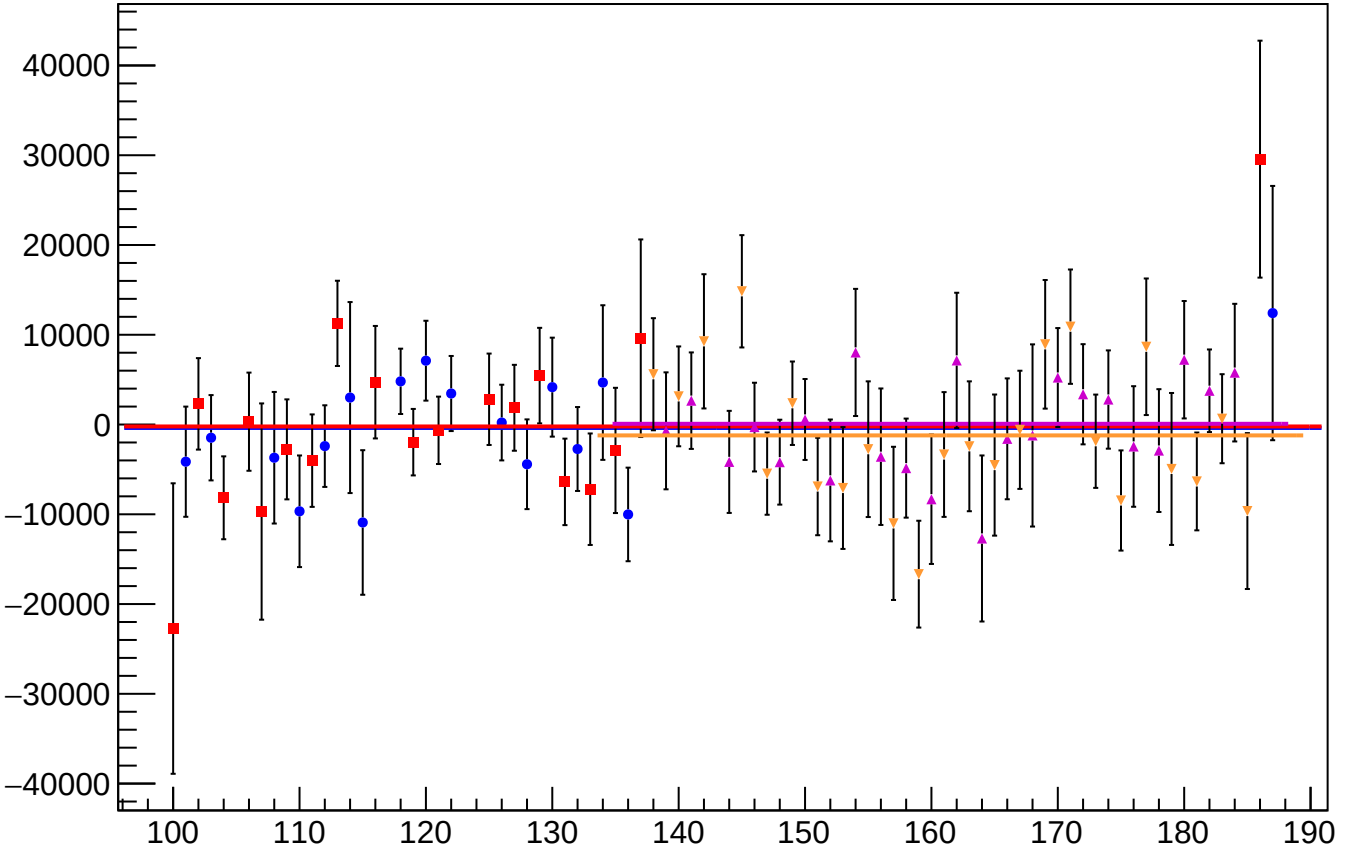
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.479+/-0.206 χ^2/NDF: 400127.7/40

All: 1478.954+/-0.146 χ^2/NDF: 855346.0/82

- sign 1477.436+/-0.206 χ^2/NDF: 455109.3/41

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -379.614+/-1289.553 χ^2/NDF: 16.8/16

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -216.619+/-1255.595 χ^2/NDF: 23.9/18

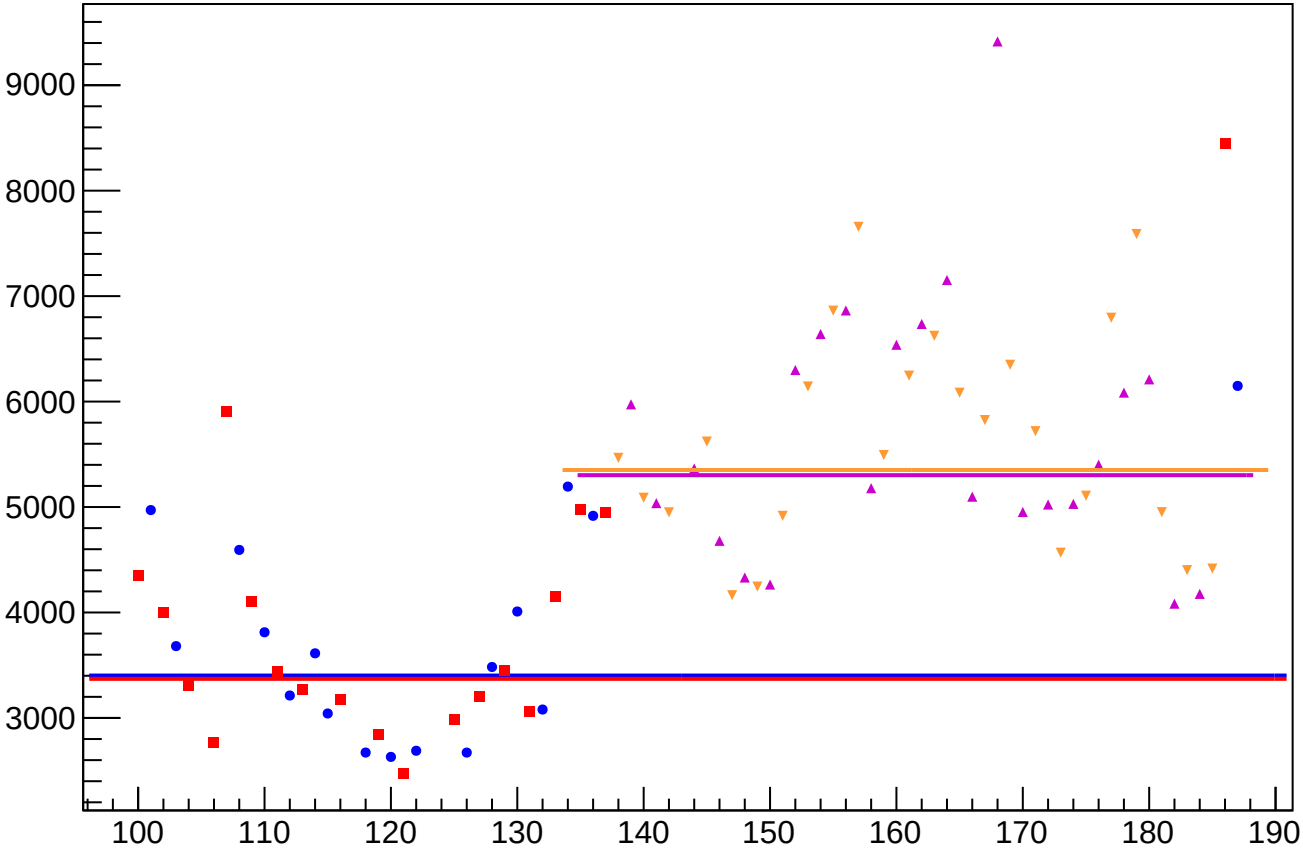
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -802.661+/-904.250 χ^2/NDF: 50.2/40

All: -430.376+/-634.632 χ^2/NDF: 87.6/82

- sign -68.995+/-890.910 χ^2/NDF: 37.1/41

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3402.064+/-0.912 χ^2/NDF: 831159.4/16

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3370.806+/-0.888 χ^2/NDF: 842324.2/18

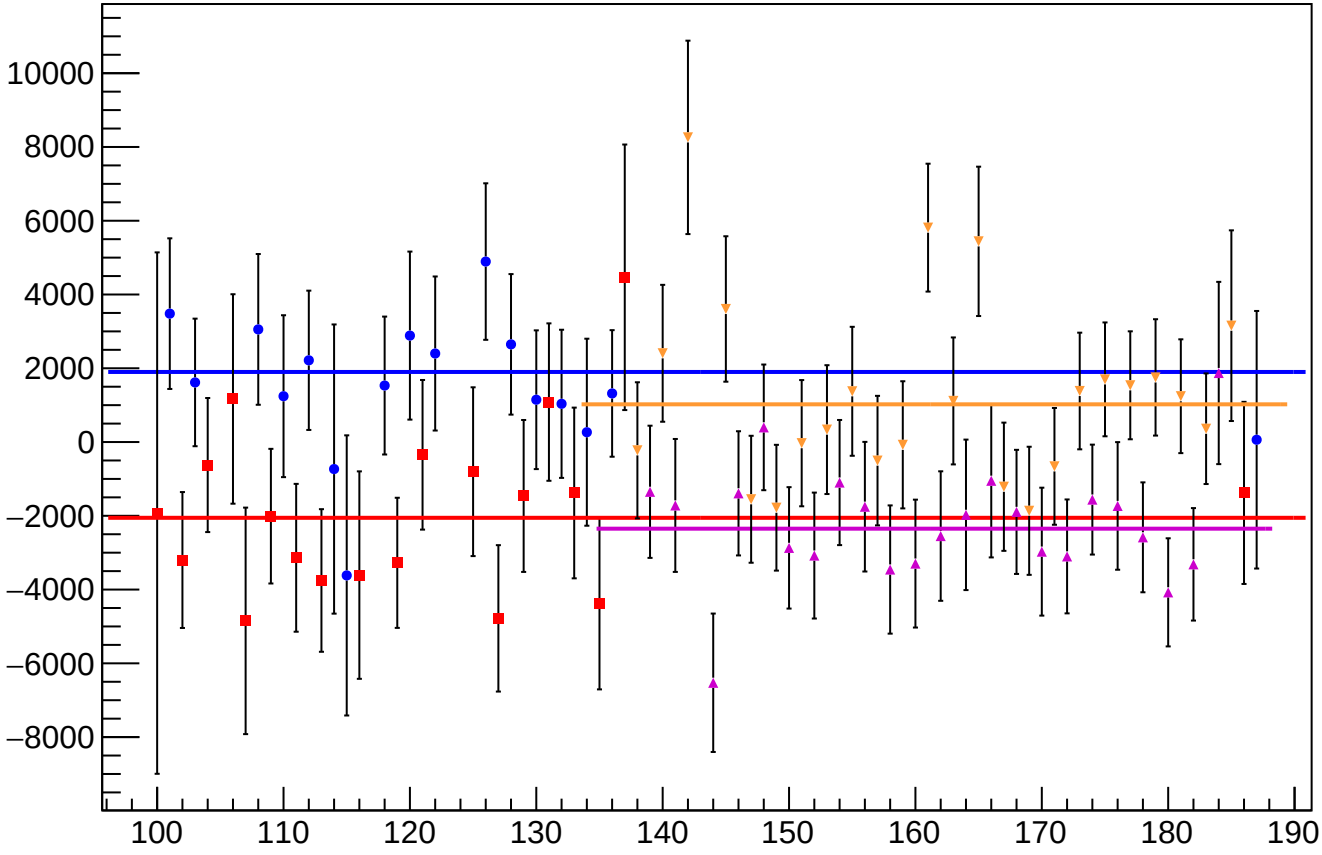
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4392.779+/-0.639 χ^2/NDF: 4219546.2/40

All: 4360.821+/-0.449 χ^2/NDF: 8672819.3/82

- sign 4329.800+/-0.630 χ^2/NDF: 4448350.2/41

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 1899.928+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2054.257+/-508.448 χ^2/NDF: 14.6/18

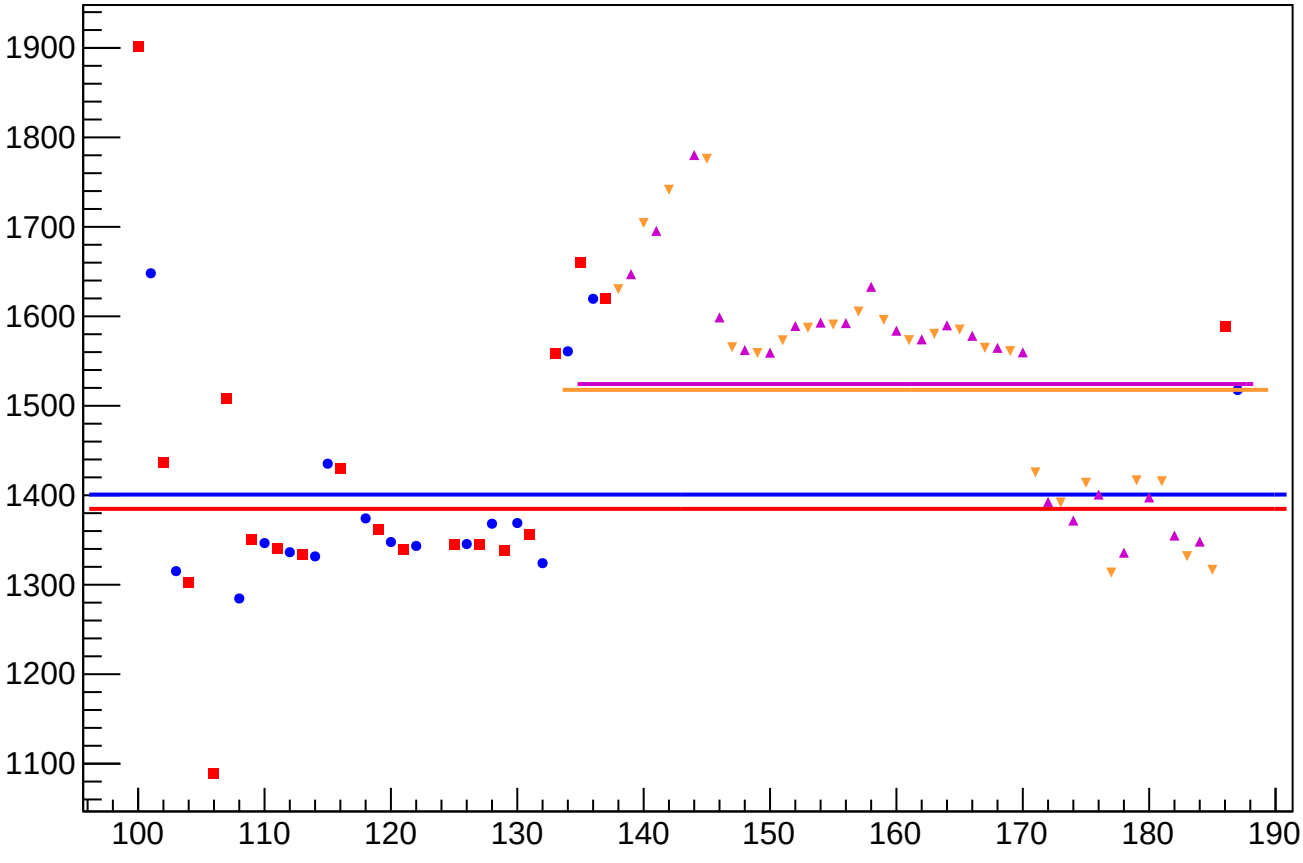
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1302.494+/-291.683 χ^2/NDF: 45.6/40

All: -471.435+/-206.437 χ^2/NDF: 150.5/82

- sign -2251.773+/-292.209 χ^2/NDF: 30.8/41

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

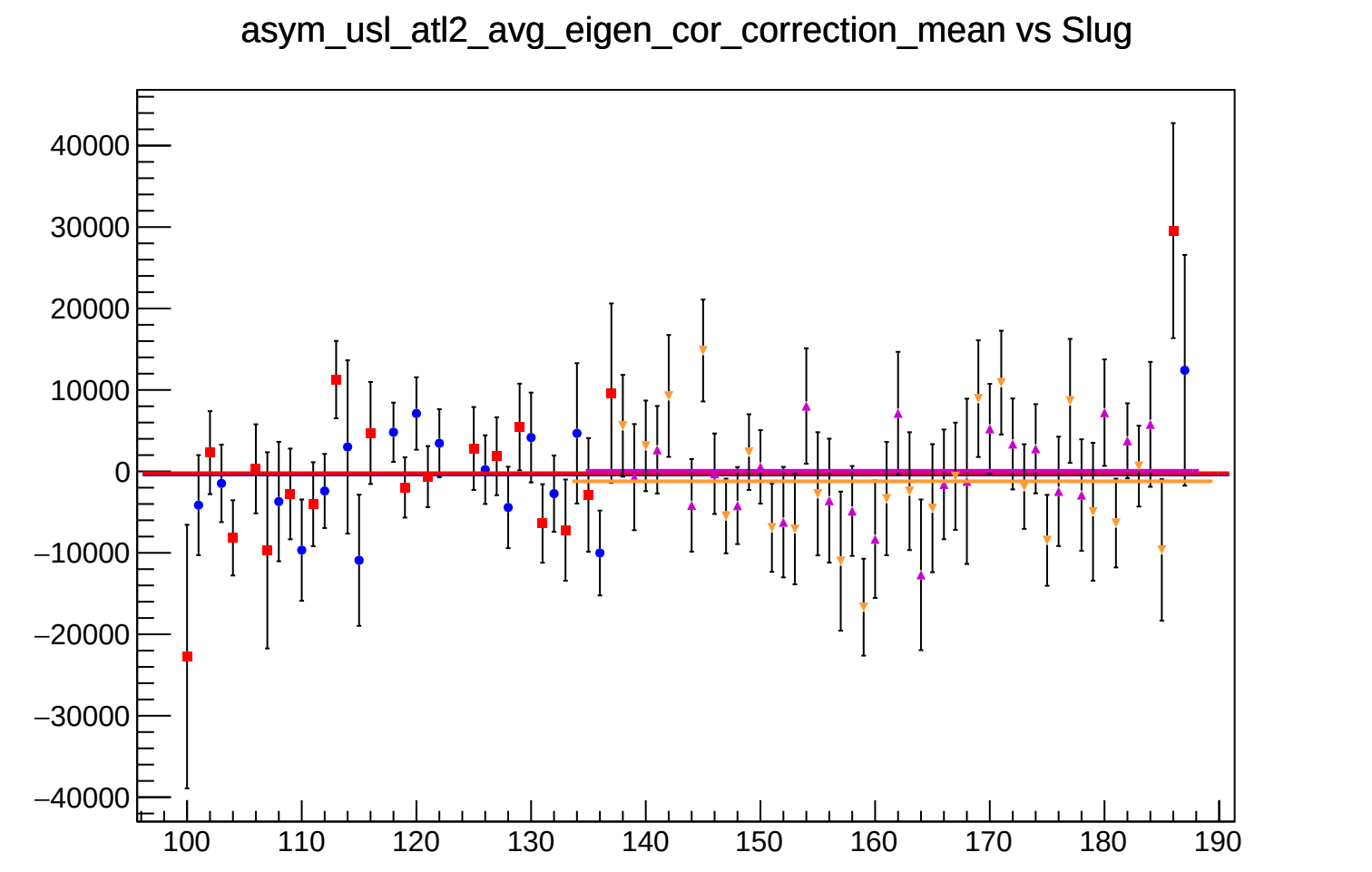
Right Out: 1384.791+/-0.355 χ^2/NDF: 128189.9/18

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1480.479+/-0.206 χ^2/NDF: 400127.7/40

All: 1478.954+/-0.146 χ^2/NDF: 855346.0/82

- sign 1477.436+/-0.206 χ^2/NDF: 455109.3/41



Right In: -379.614+/-1289.553 χ^2/NDF: 16.8/16

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

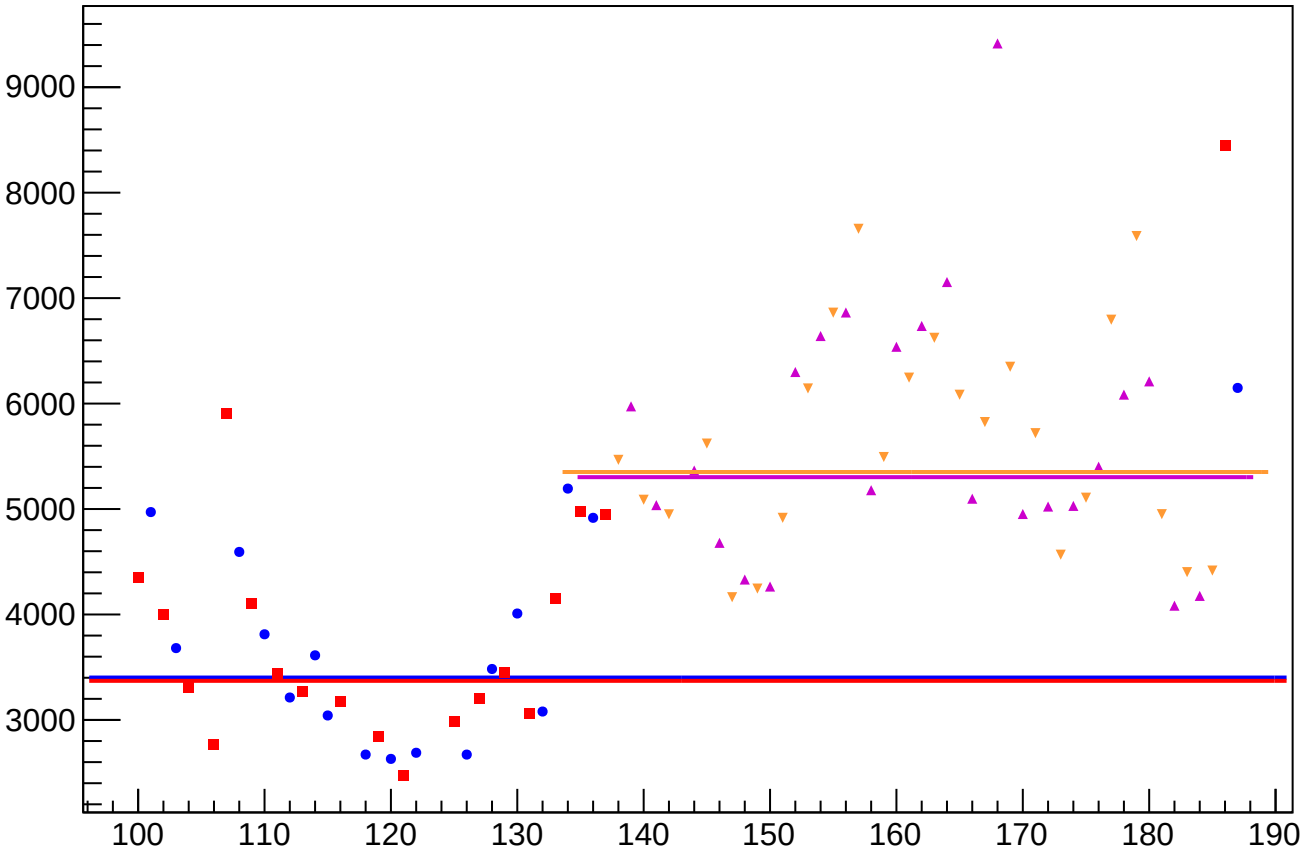
Right Out: -216.619+/-1255.595 χ^2/NDF: 23.9/18

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -802.661+/-904.250 χ^2/NDF: 50.2/40

All: -430.376+/-634.632 χ^2/NDF: 87.6/82

- sign -68.995+/-890.910 χ^2/NDF: 37.1/41



Right In: 3402.064+/-0.912 χ^2/NDF: 831159.4/16

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3370.806+/-0.888 χ^2/NDF: 842324.2/18

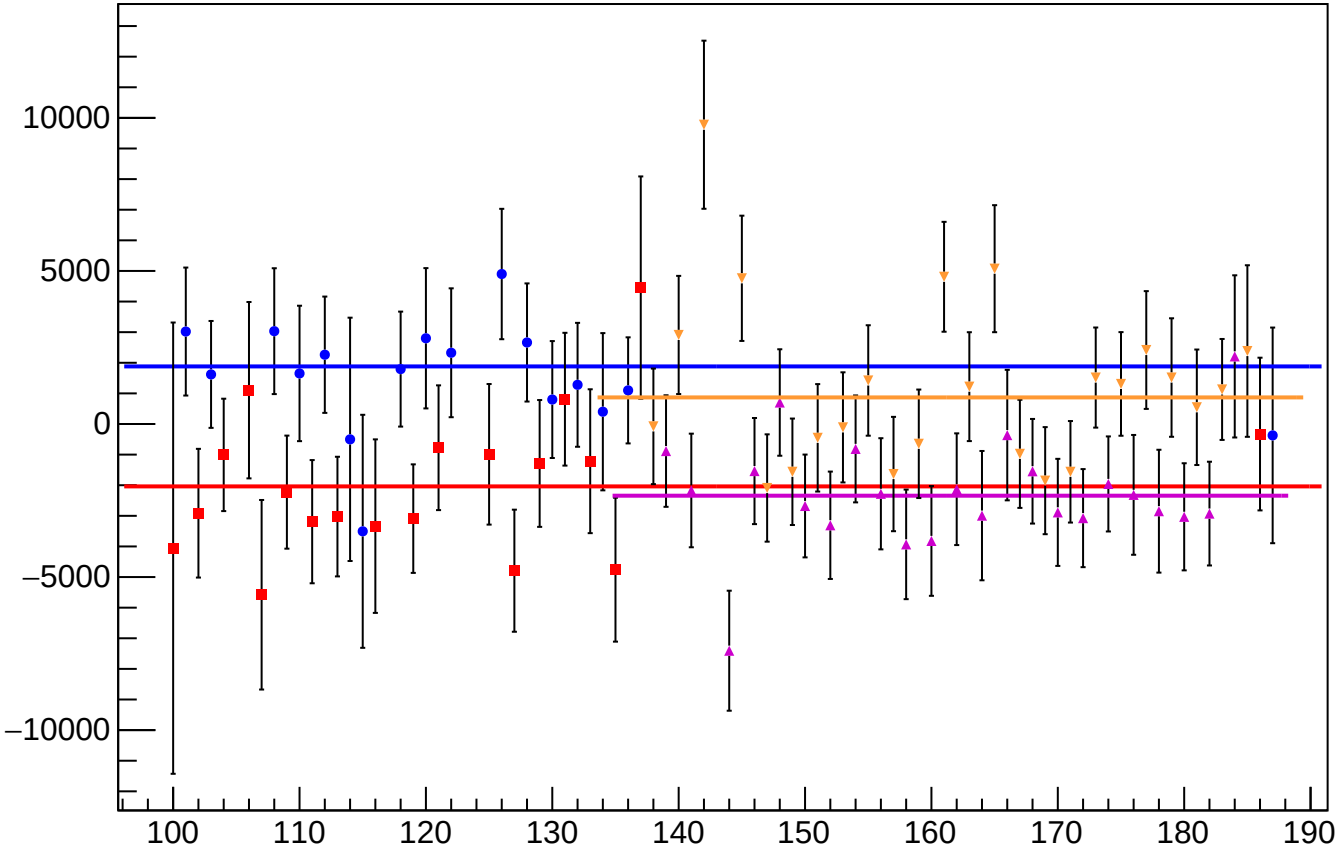
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4392.779+/-0.639 χ^2/NDF: 4219546.2/40

All: 4360.821+/-0.449 χ^2/NDF: 8672819.3/82

- sign 4329.800+/-0.630 χ^2/NDF: 4448350.2/41

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1881.080+/-521.330 χ^2/NDF: 6.8/16

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2038.326+/-517.304 χ^2/NDF: 13.7/18

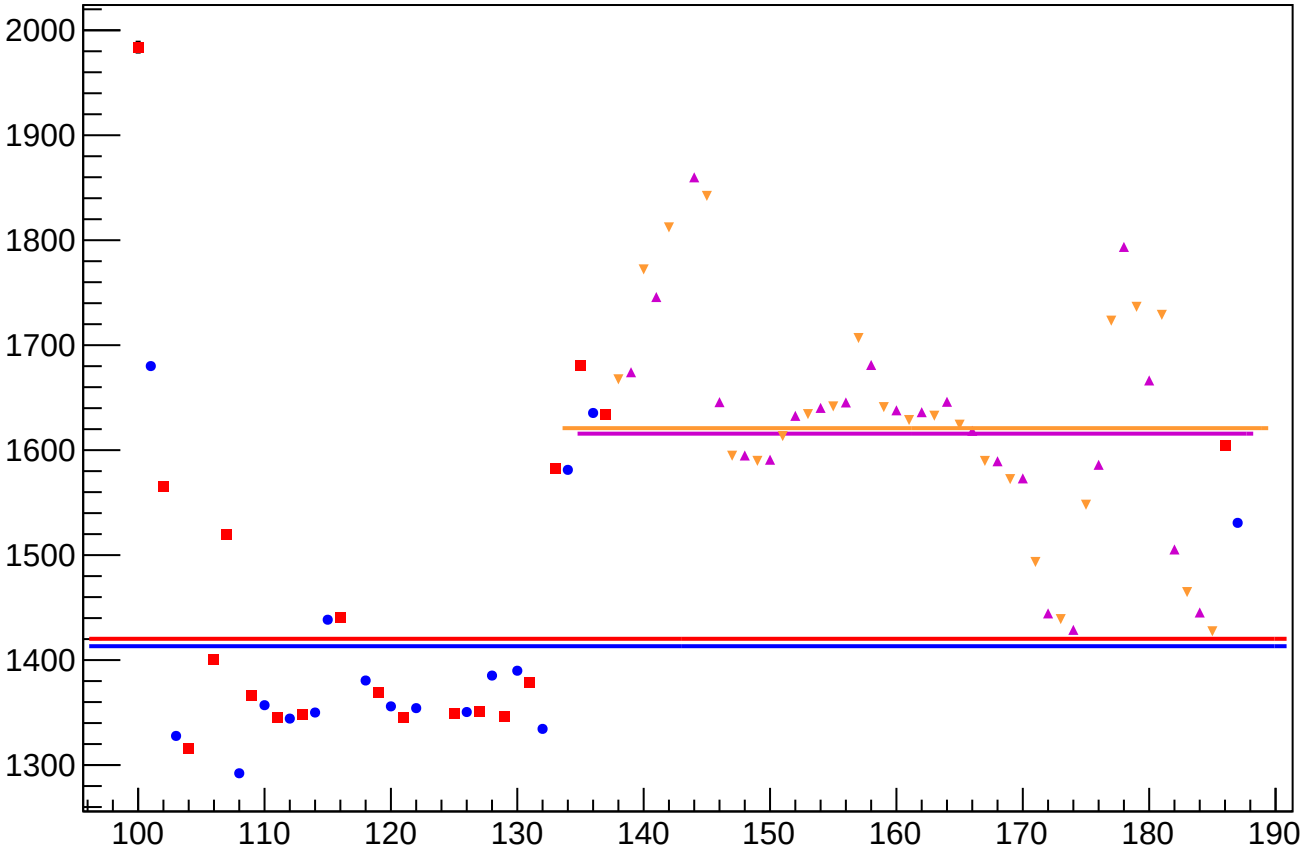
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1216.359+/-305.587 χ^2/NDF: 49.0/40

All: -511.883+/-215.968 χ^2/NDF: 144.9/82

- sign -2236.452+/-305.262 χ^2/NDF: 32.0/41

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1413.227+/-0.369 χ^2/NDF: 101425.6/16

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1420.284+/-0.365 χ^2/NDF: 101100.3/18

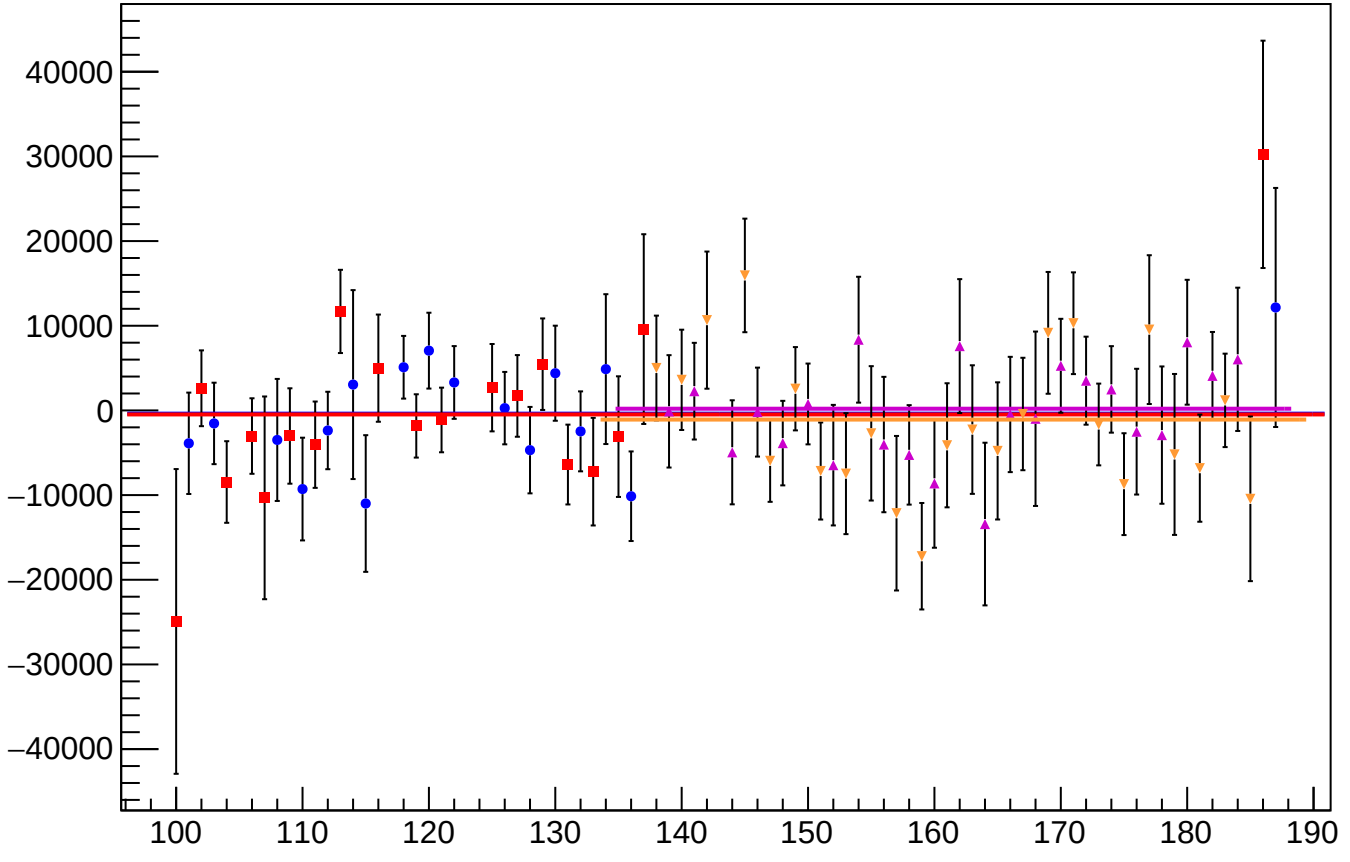
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1549.575+/-0.216 χ^2/NDF: 451824.9/40

All: 1548.499+/-0.153 χ^2/NDF: 876764.0/82

- sign 1547.428+/-0.216 χ^2/NDF: 424889.7/41

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -381.647+/-1303.105 χ^2/NDF: 16.6/16

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -475.156+/-1242.590 χ^2/NDF: 24.5/18

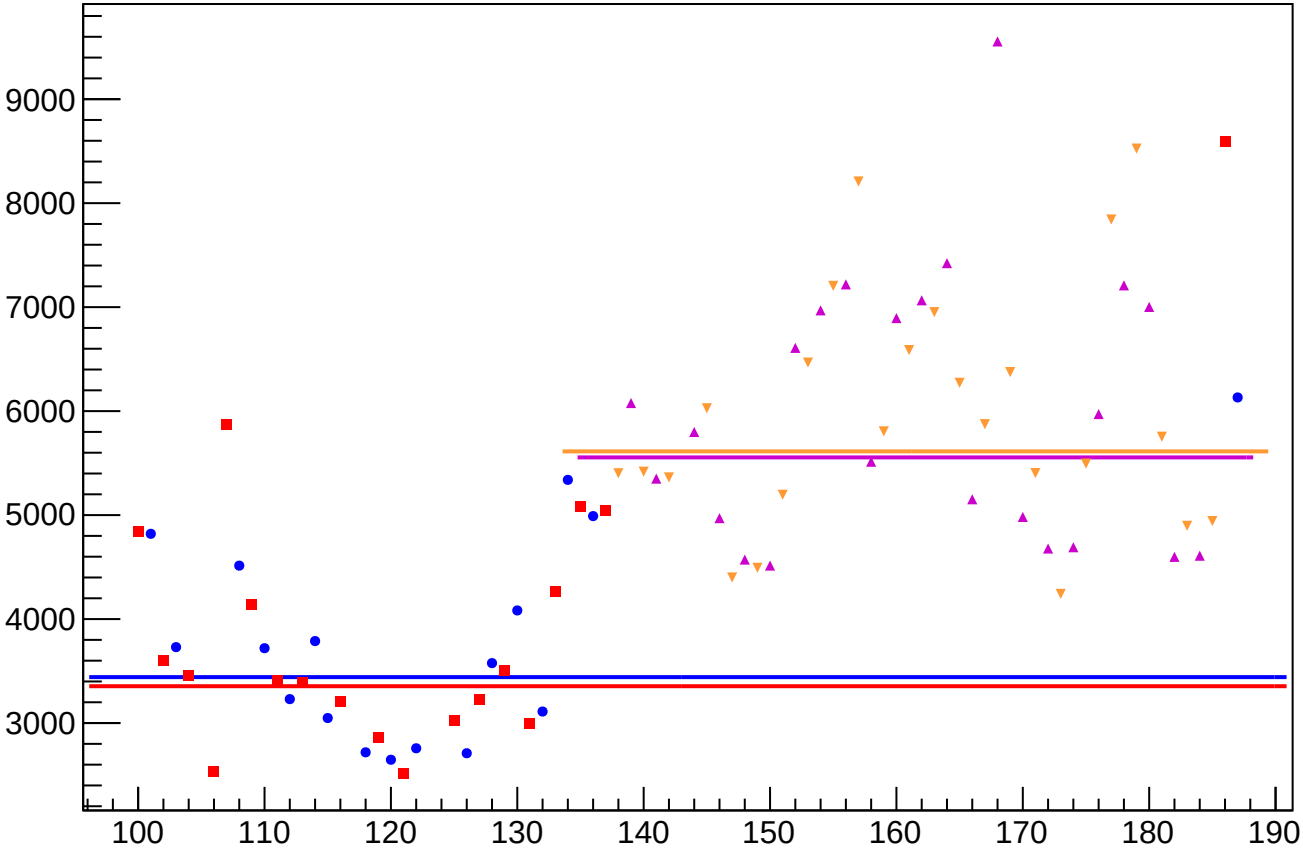
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -724.152+/-931.620 χ^2/NDF: 49.7/40

All: -433.803+/-649.785 χ^2/NDF: 87.4/82

- sign -158.746+/-906.754 χ^2/NDF: 37.5/41

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3441.813+/-0.921 χ^2/NDF: 794430.4/16

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3354.374+/-0.879 χ^2/NDF: 879027.4/18

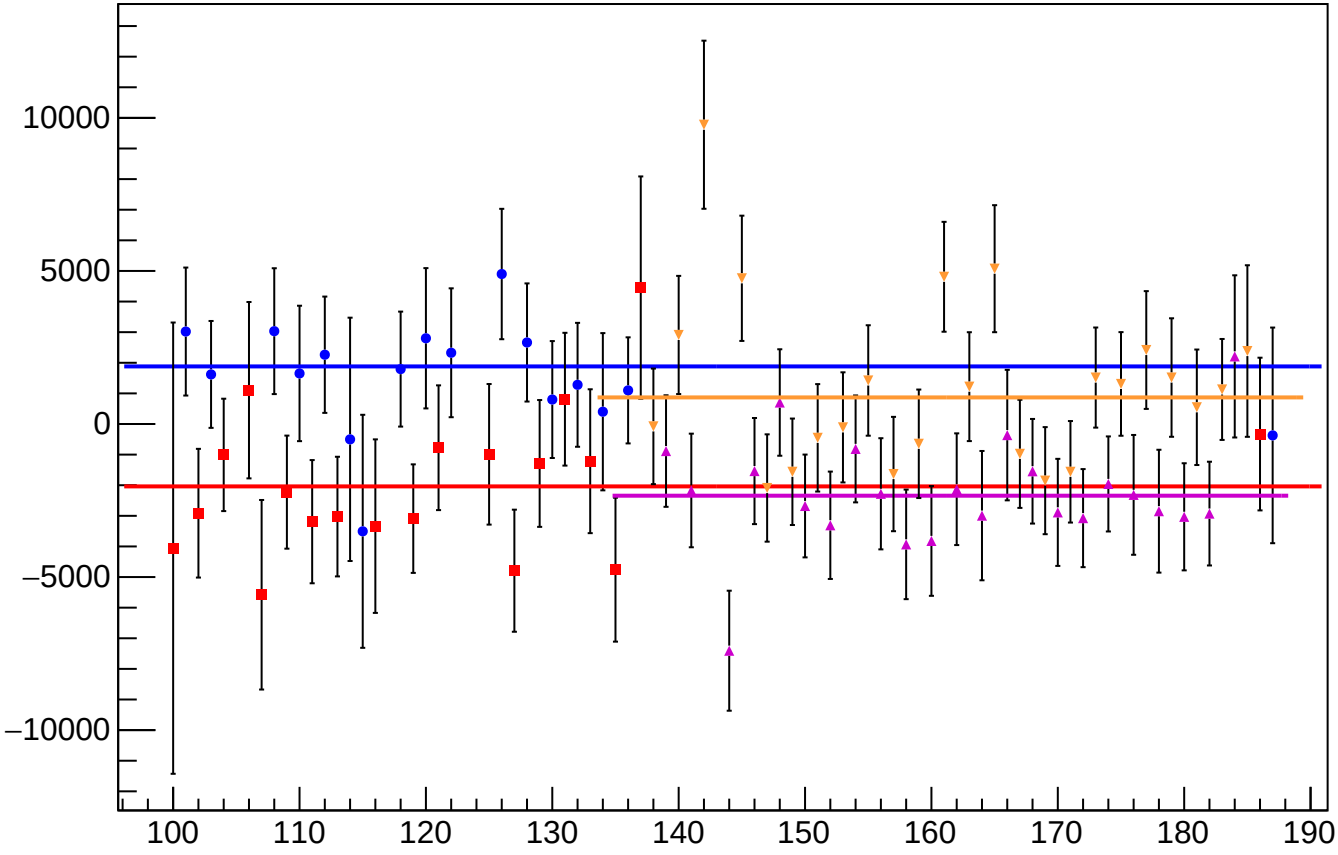
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4503.141+/-0.659 χ^2/NDF: 4696264.7/40

All: 4441.509+/-0.459 χ^2/NDF: 9857657.6/82

- sign 4383.124+/-0.641 χ^2/NDF: 5144347.8/41

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 1881.082+/-521.330 χ^2/NDF: 6.8/16

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2038.328+/-517.304 χ^2/NDF: 13.7/18

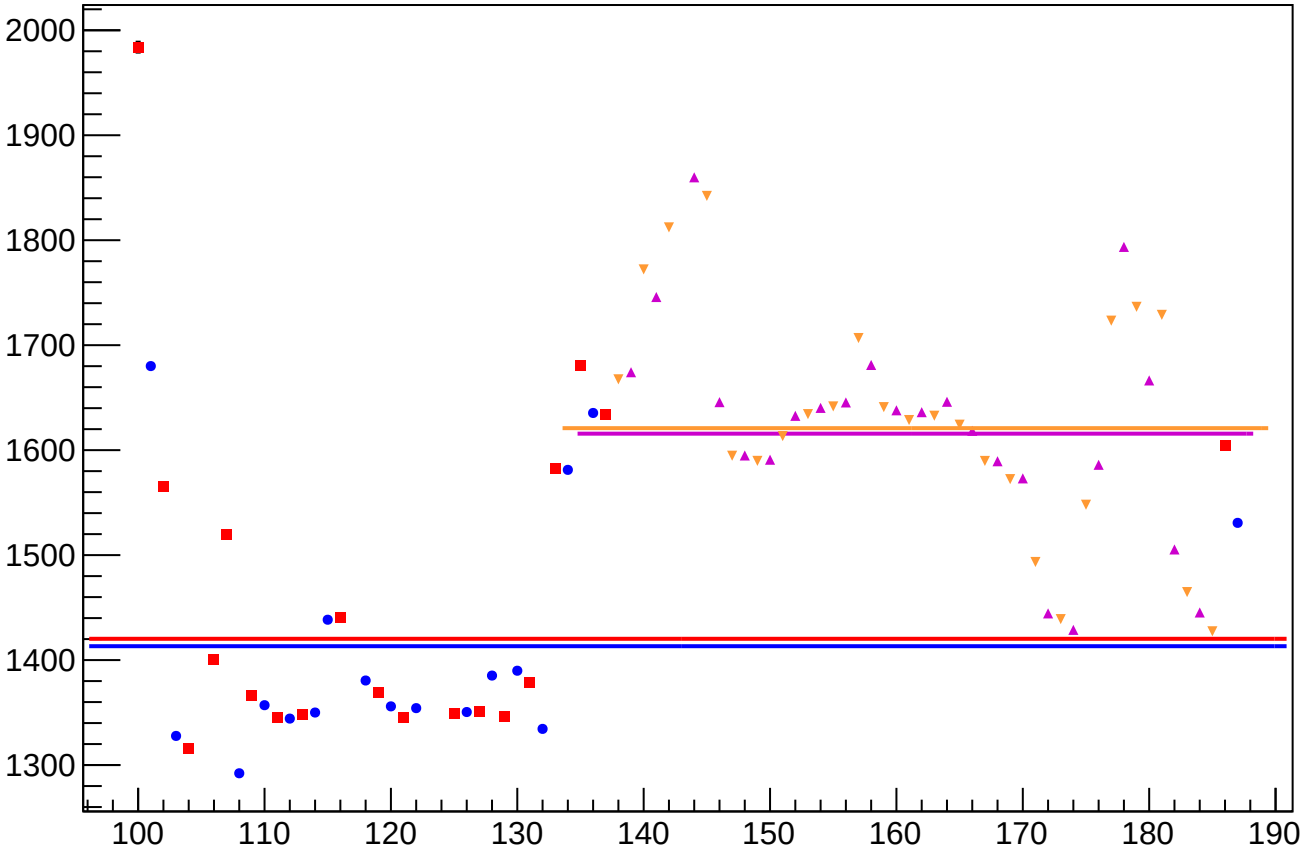
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1216.357+/-305.587 χ^2/NDF: 49.0/40

All: -511.884+/-215.968 χ^2/NDF: 144.9/82

- sign -2236.452+/-305.262 χ^2/NDF: 32.0/41

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1413.227+/-0.369 χ^2/NDF: 101425.6/16

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

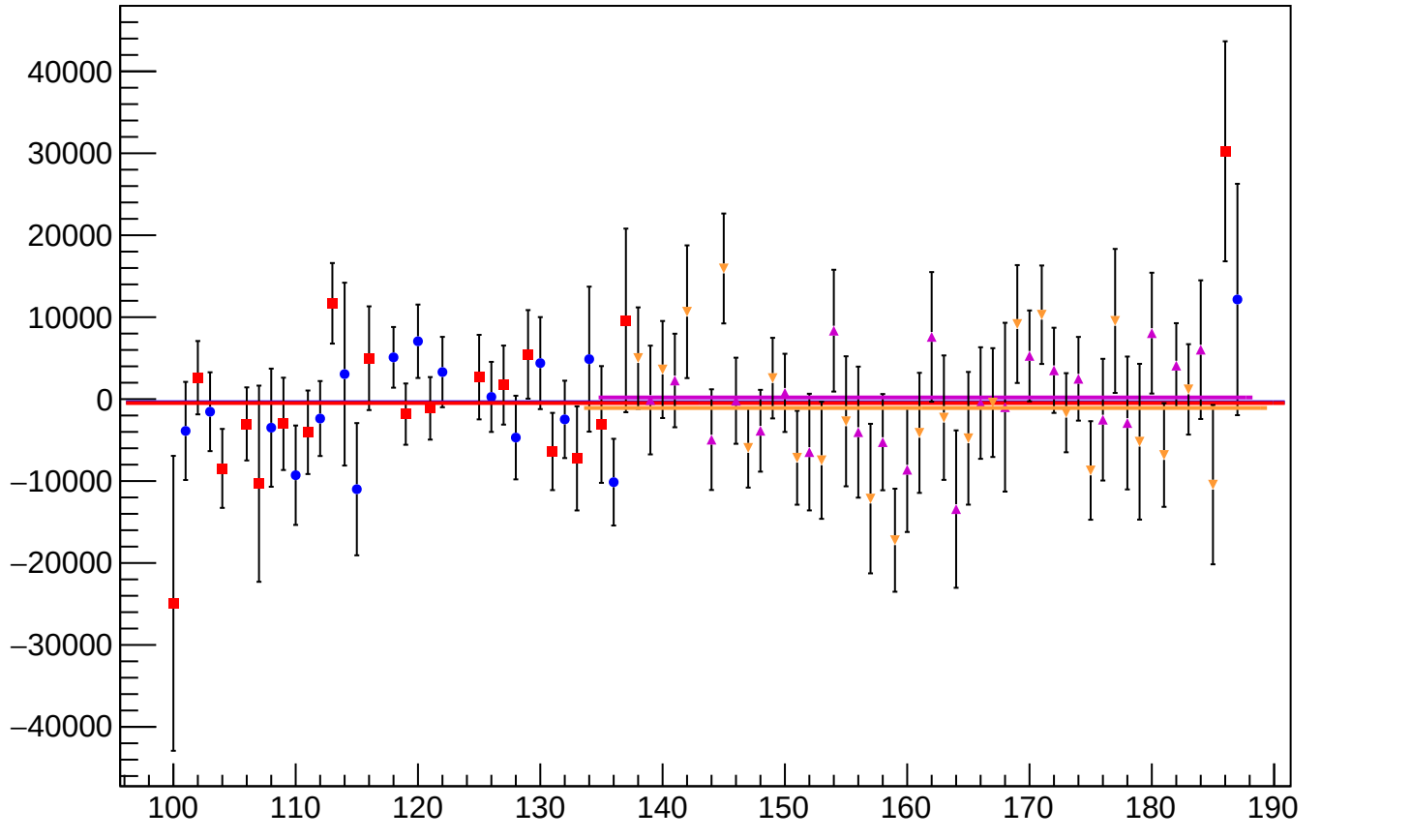
Right Out: 1420.283+/-0.365 χ^2/NDF: 101100.2/18

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1549.575+/-0.216 χ^2/NDF: 451832.0/40

All: 1548.500+/-0.153 χ^2/NDF: 876778.7/82

- sign 1547.429+/-0.216 χ^2/NDF: 424897.2/41



Right In: -381.641+/-1303.101 χ^2/NDF: 16.6/16

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

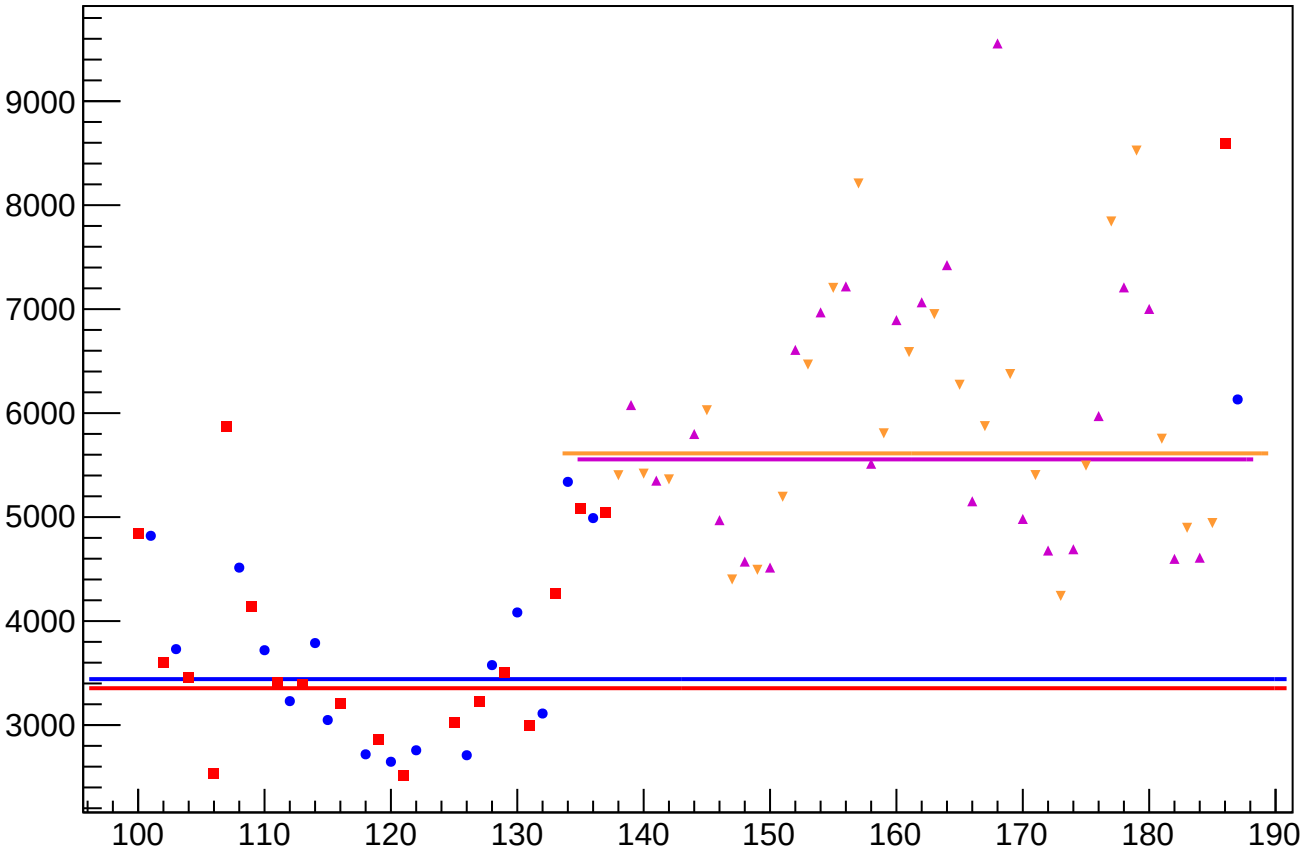
Right Out: -475.160+/-1242.587 χ^2/NDF: 24.5/18

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -724.151+/-931.619 χ^2/NDF: 49.7/40

All: -433.804+/-649.784 χ^2/NDF: 87.4/82

- sign -158.749+/-906.753 χ^2/NDF: 37.5/41



Right In: 3441.802+/-0.921 χ^2/NDF: 794439.9/16

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3354.363+/-0.879 χ^2/NDF: 879032.5/18

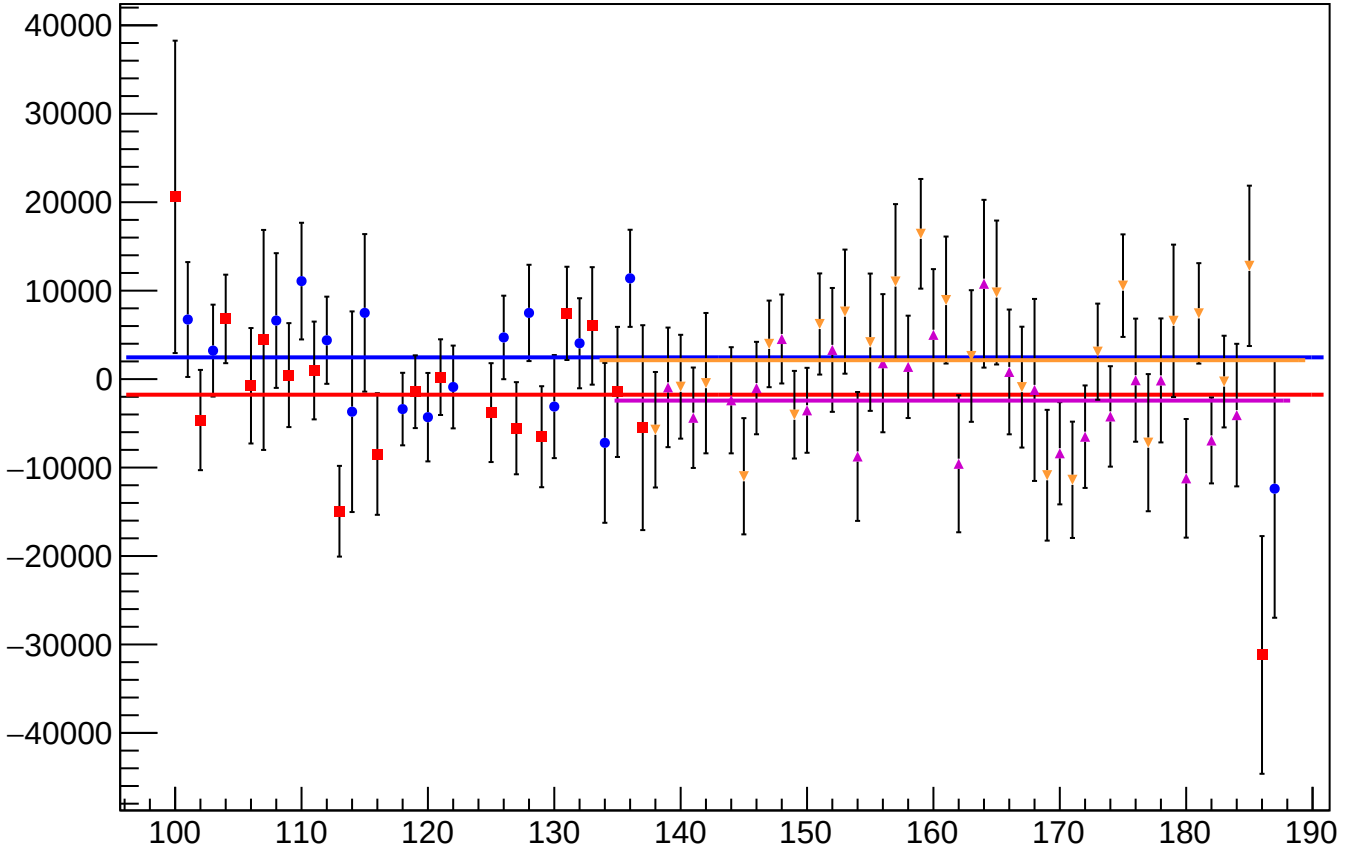
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4503.135+/-0.659 χ^2/NDF: 4696328.8/40

All: 4441.503+/-0.459 χ^2/NDF: 9857780.7/82

- sign 4383.117+/-0.641 χ^2/NDF: 5144406.7/41

asym_usl_atl2_avg_mean vs Slug



Right In: 2460.091+/-1407.899 χ^2/NDF: 14.5/16

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -1761.989+/-1375.554 χ^2/NDF: 23.9/18

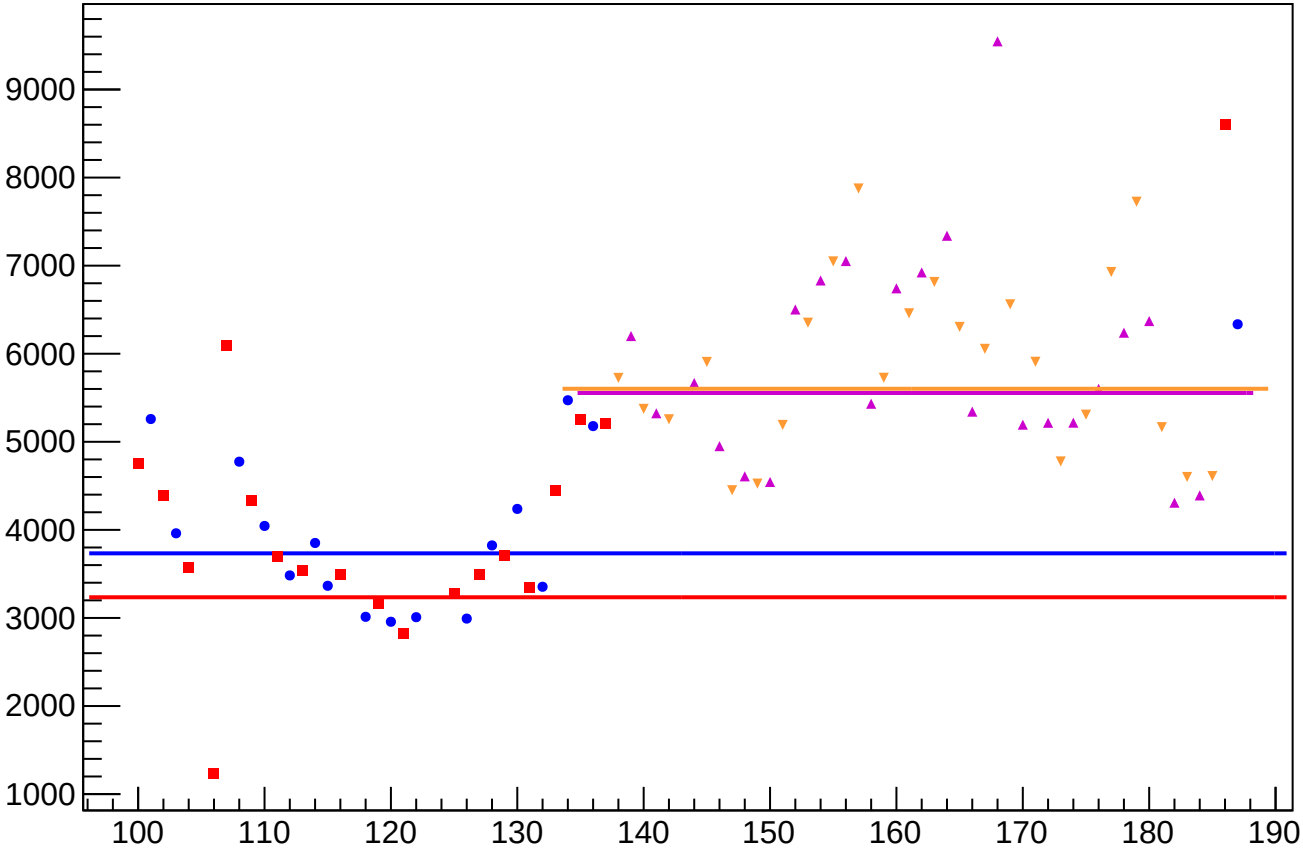
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2289.284+/-964.656 χ^2/NDF: 45.2/40

All: 63.261+/-677.892 χ^2/NDF: 92.6/82

- sign -2108.474+/-952.821 χ^2/NDF: 36.9/41

asym_usl_atl2_avg_rms vs Slug



Right In: 3733.597+/-0.996 χ^2/NDF: 674785.8/16

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

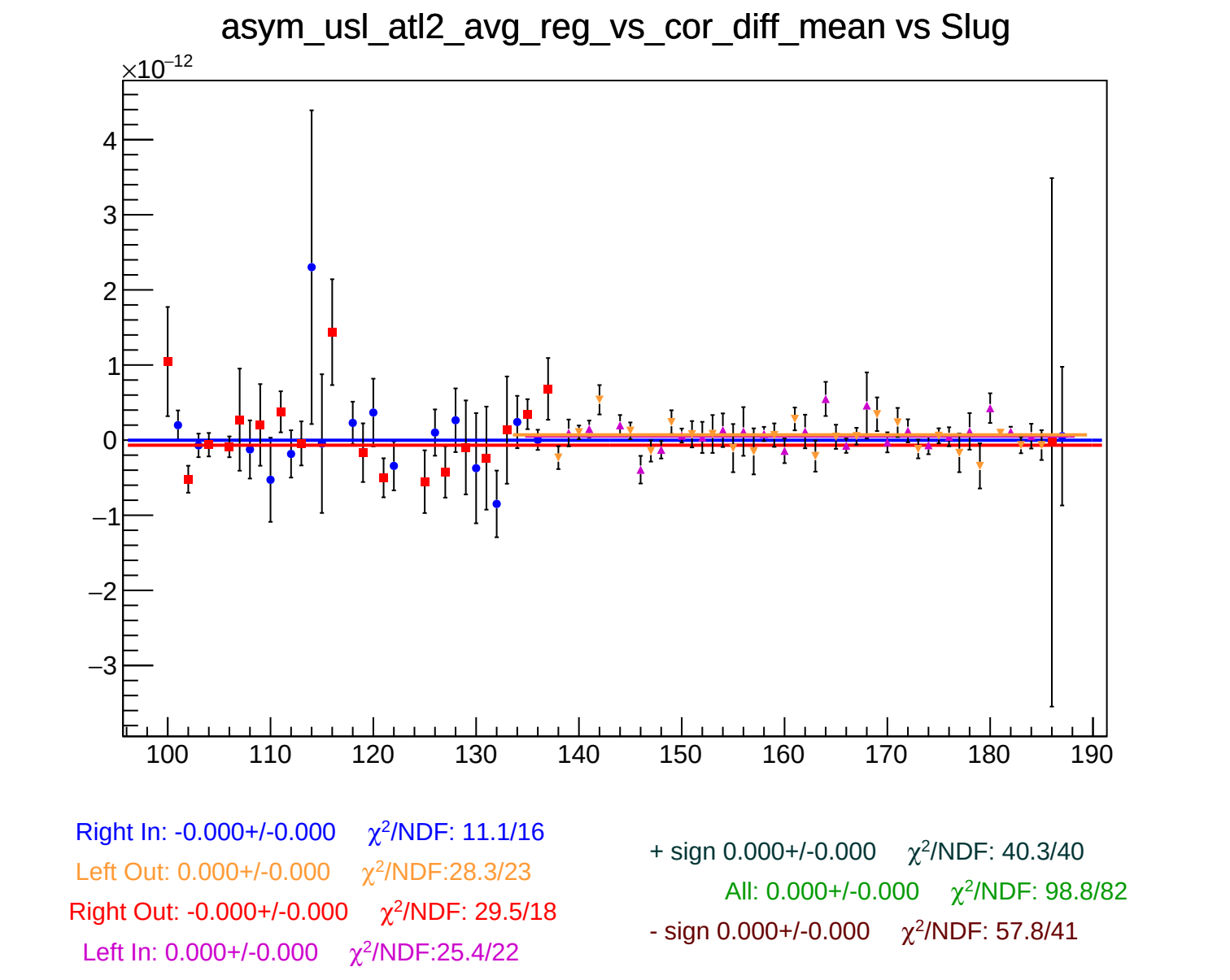
Right Out: 3234.878+/-0.892 χ^2/NDF: 1932823.9/18

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

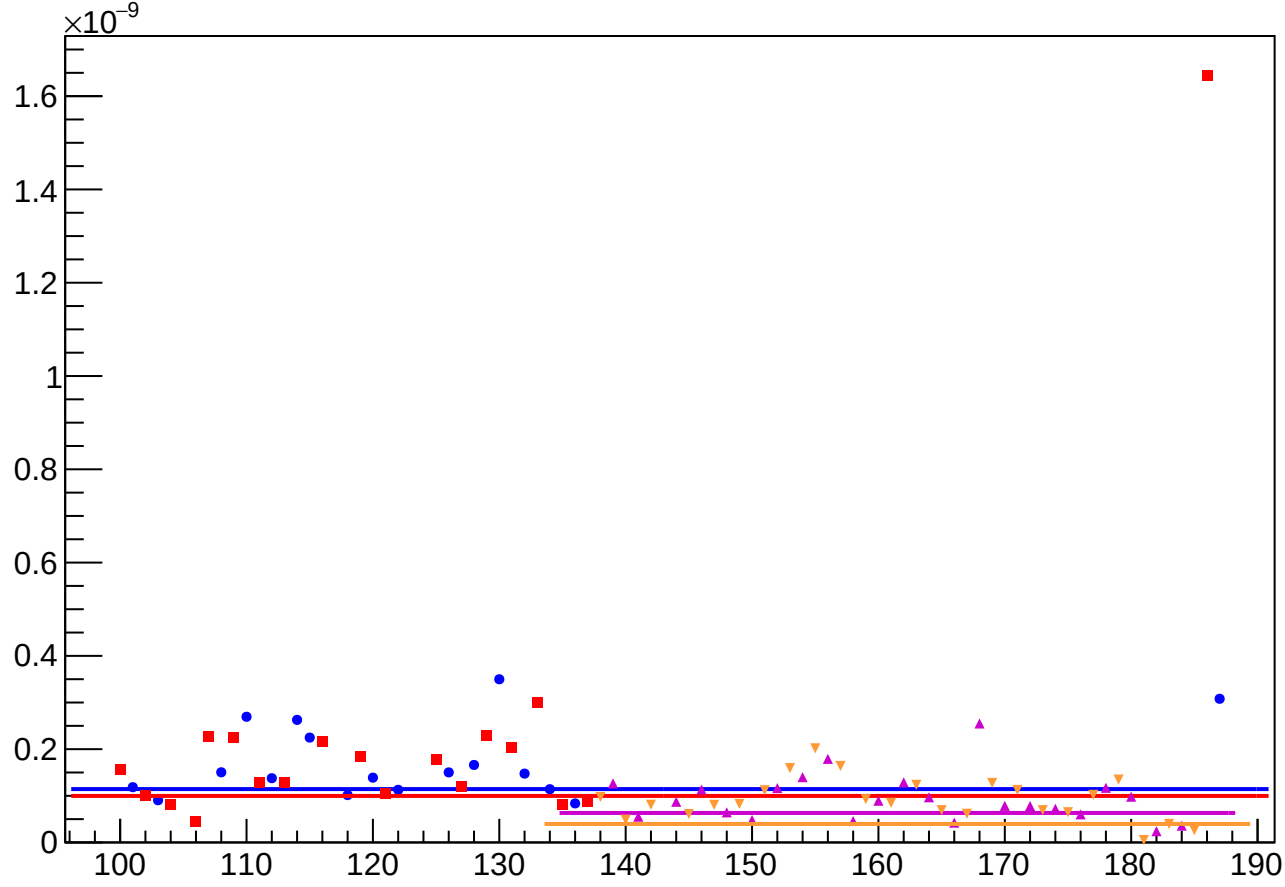
+ sign 4724.992+/-0.682 χ^2/NDF: 3484488.7/40

All: 4521.980+/-0.469 χ^2/NDF: 9922598.8/82

- sign 4340.472+/-0.645 χ^2/NDF: 6270336.1/41


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.1/16
Left Out: 0.000+/-0.000 χ²/NDF:28.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 29.5/18
Left In: 0.000+/-0.000 χ²/NDF:25.4/22
+ sign 0.000+/-0.000 χ²/NDF: 40.3/40
All: 0.000+/-0.000 χ²/NDF: 98.8/82
- sign 0.000+/-0.000 χ²/NDF: 57.8/41

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 744221.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

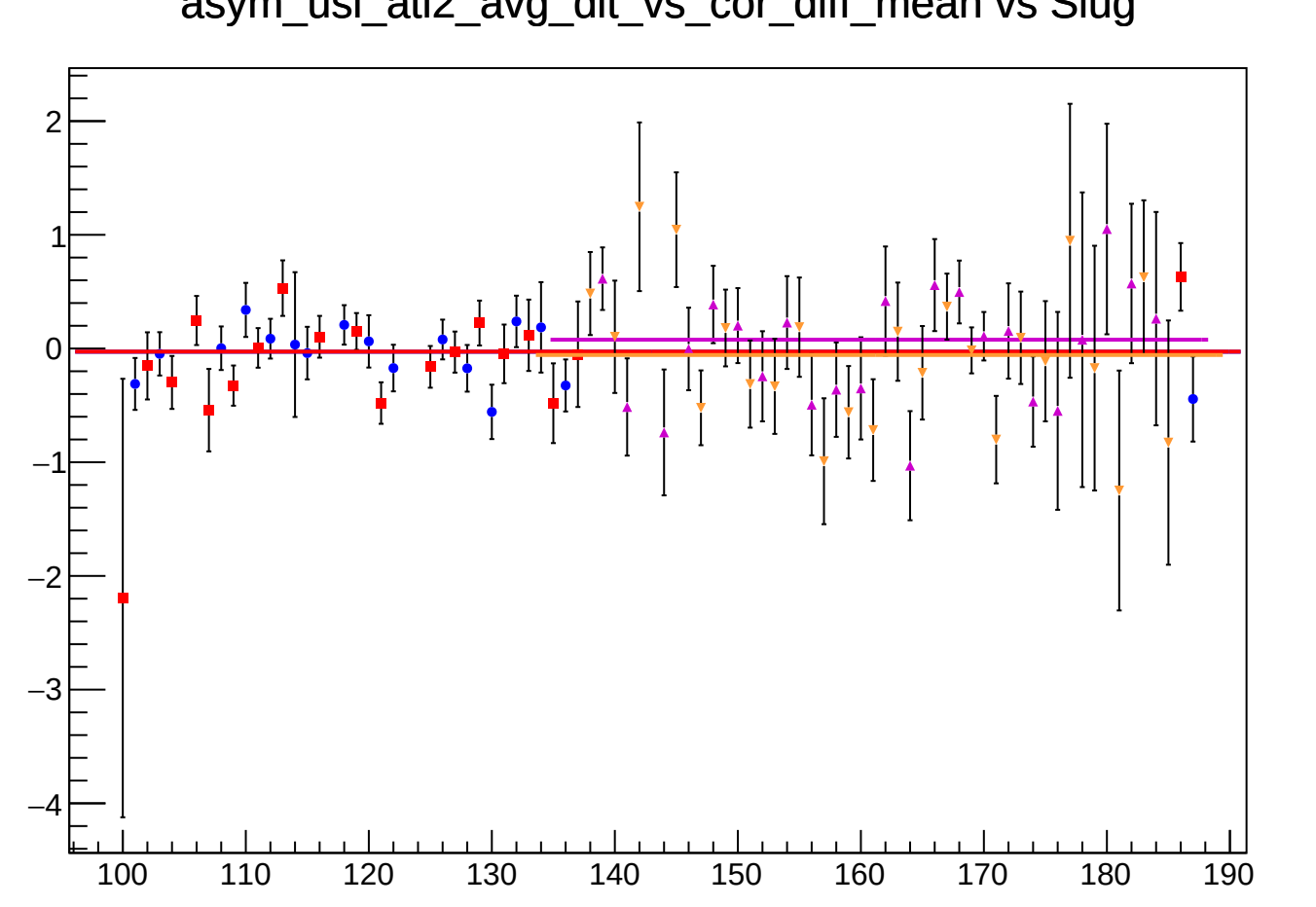
Right Out: 0.000+/-0.000 χ^2/NDF: 1486667.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

\+ sign 0.000+/-0.000 χ^2/NDF: 9763409.8/40

All: 0.000+/-0.000 χ^2/NDF: 15610449.0/82

\- sign 0.000+/-0.000 χ^2/NDF: 4932774.0/41



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.027+/-0.052 χ^2/NDF: 31.3/18

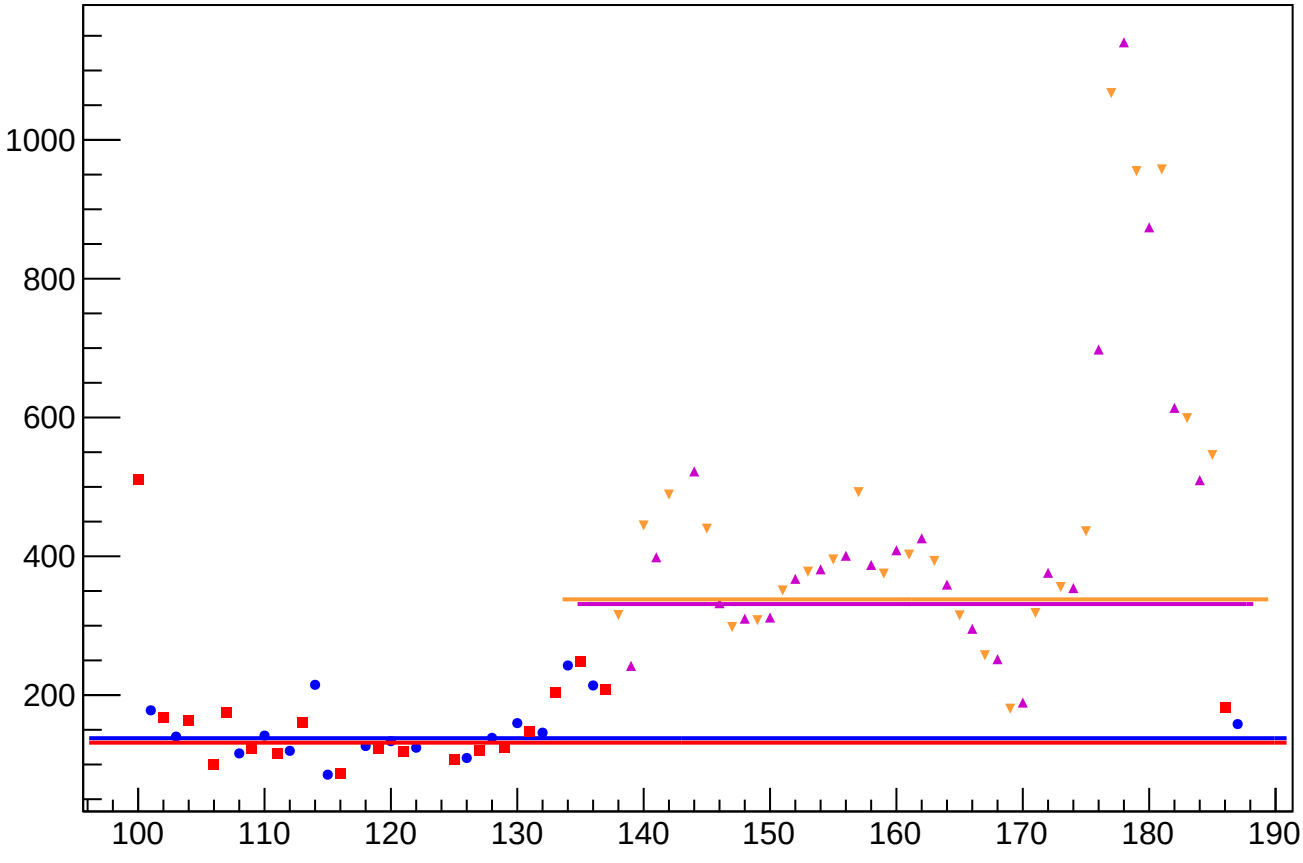
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.036+/-0.045 χ^2/NDF: 47.7/40

All: -0.017+/-0.032 χ^2/NDF: 107.6/82

- sign 0.002+/-0.044 χ^2/NDF: 59.5/41

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.918+/-0.038 χ^2/NDF: 698962.2/16

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

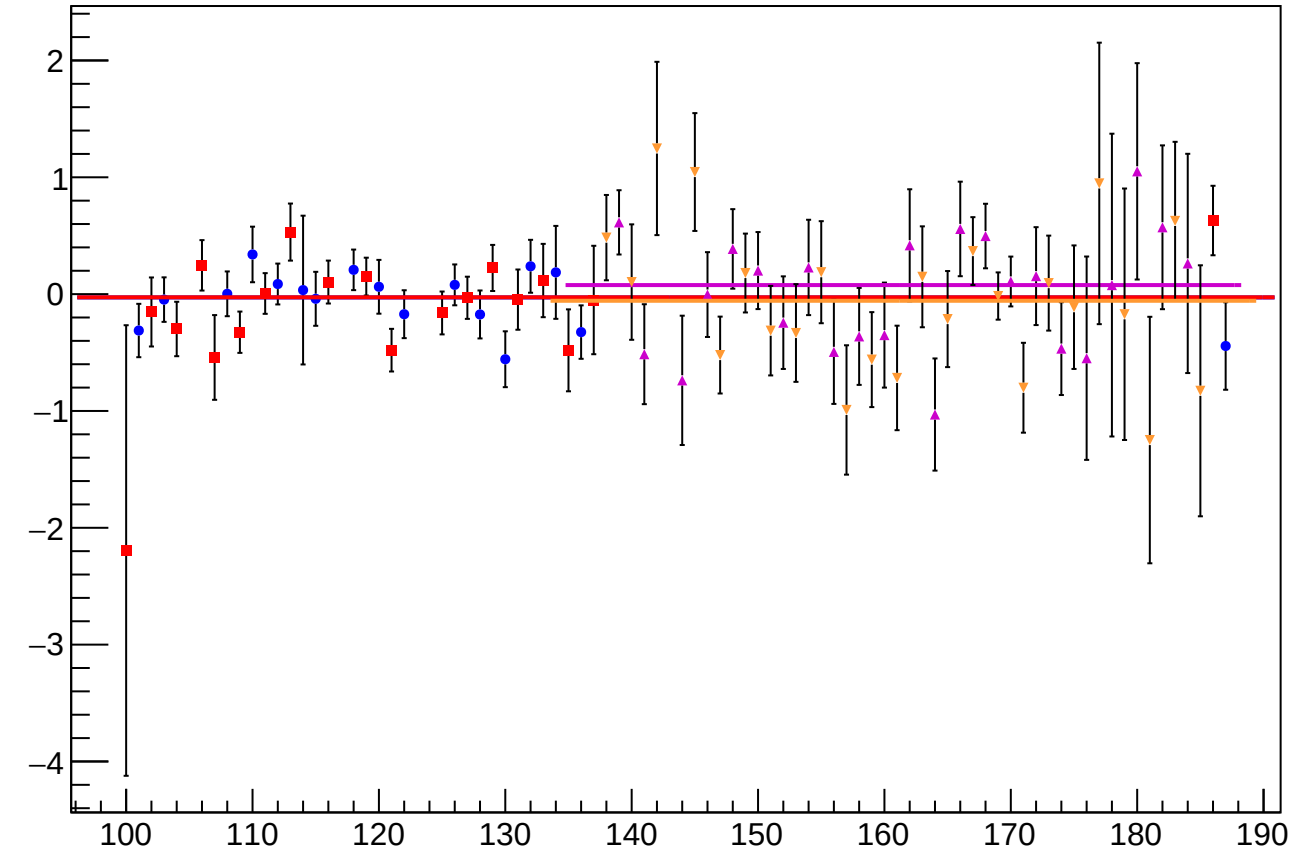
Right Out: 131.474+/-0.037 χ^2/NDF: 894452.4/18

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.458+/-0.032 χ^2/NDF: 13075029.2/40

All: 190.545+/-0.022 χ^2/NDF: 26386079.6/82

- sign 186.886+/-0.031 χ^2/NDF: 13282350.6/41



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

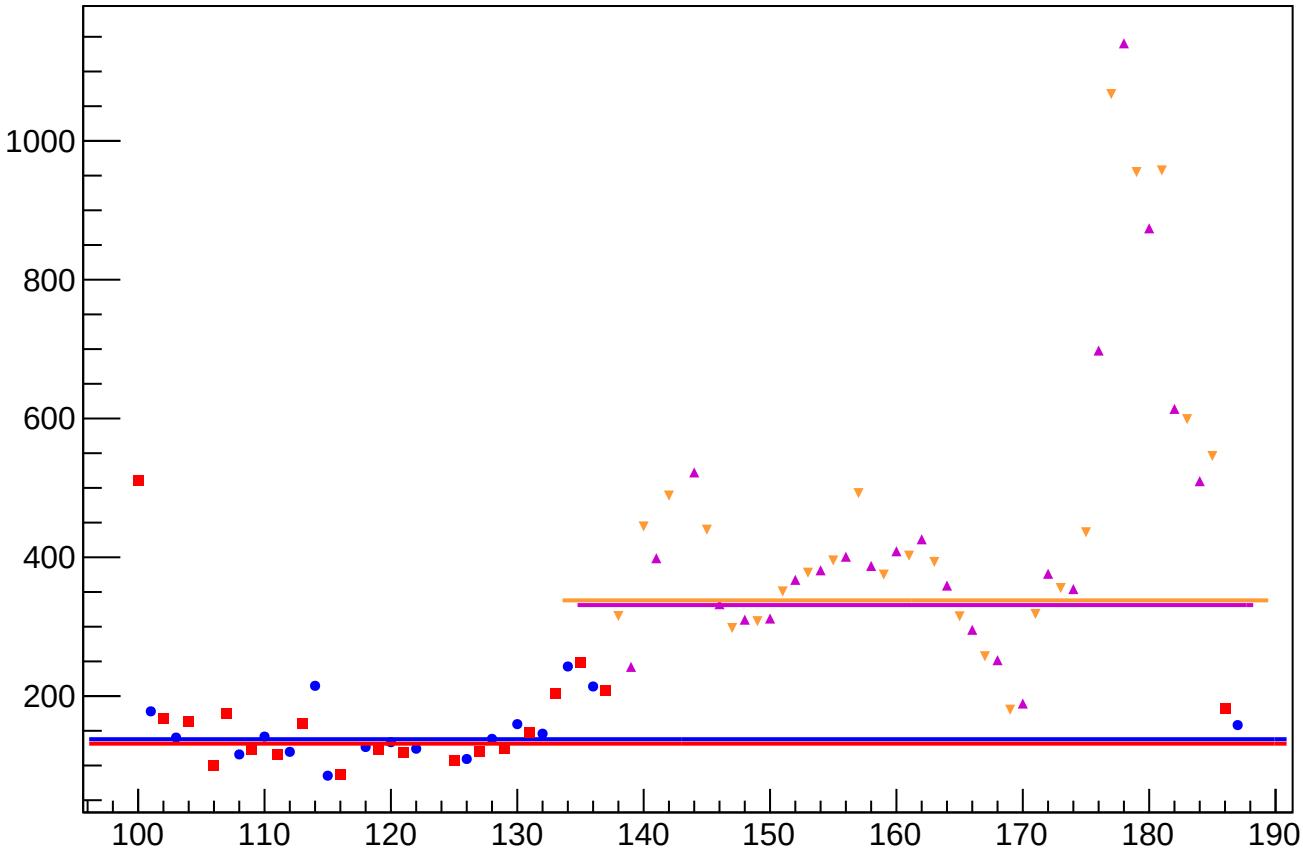
Right Out: -0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.036+/-0.045 χ^2/NDF: 47.7/40

All: -0.017+/-0.032 χ^2/NDF: 107.6/82

- sign 0.002+/-0.044 χ^2/NDF: 59.5/41



Right In: 137.918+/-0.038 χ^2/NDF: 698962.2/16

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

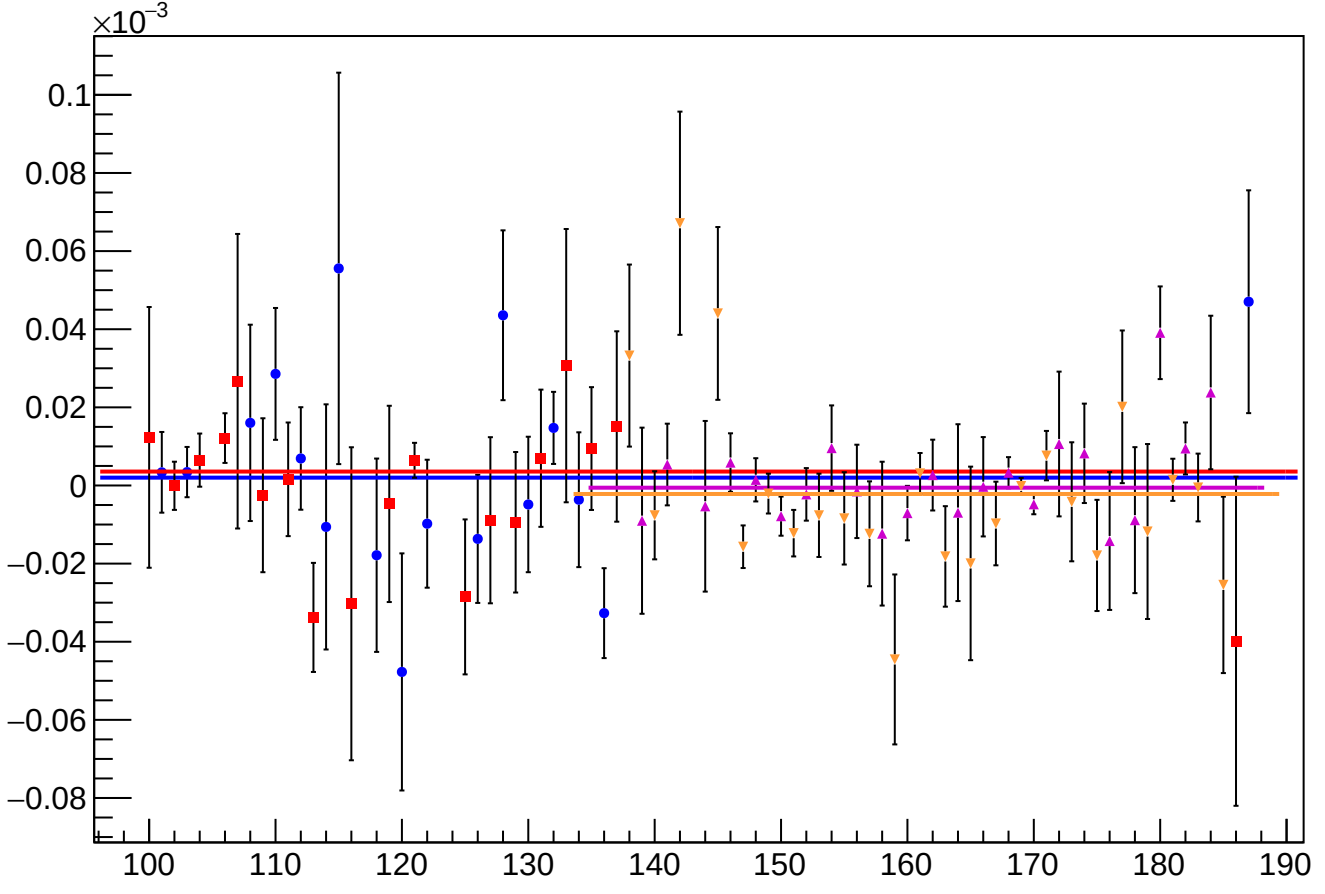
Right Out: 131.474+/-0.037 χ^2/NDF: 894452.4/18

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 194.458+/-0.032 χ^2/NDF: 13075029.2/40

All: 190.545+/-0.022 χ^2/NDF: 26386079.6/82

- sign 186.886+/-0.031 χ^2/NDF: 13282350.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

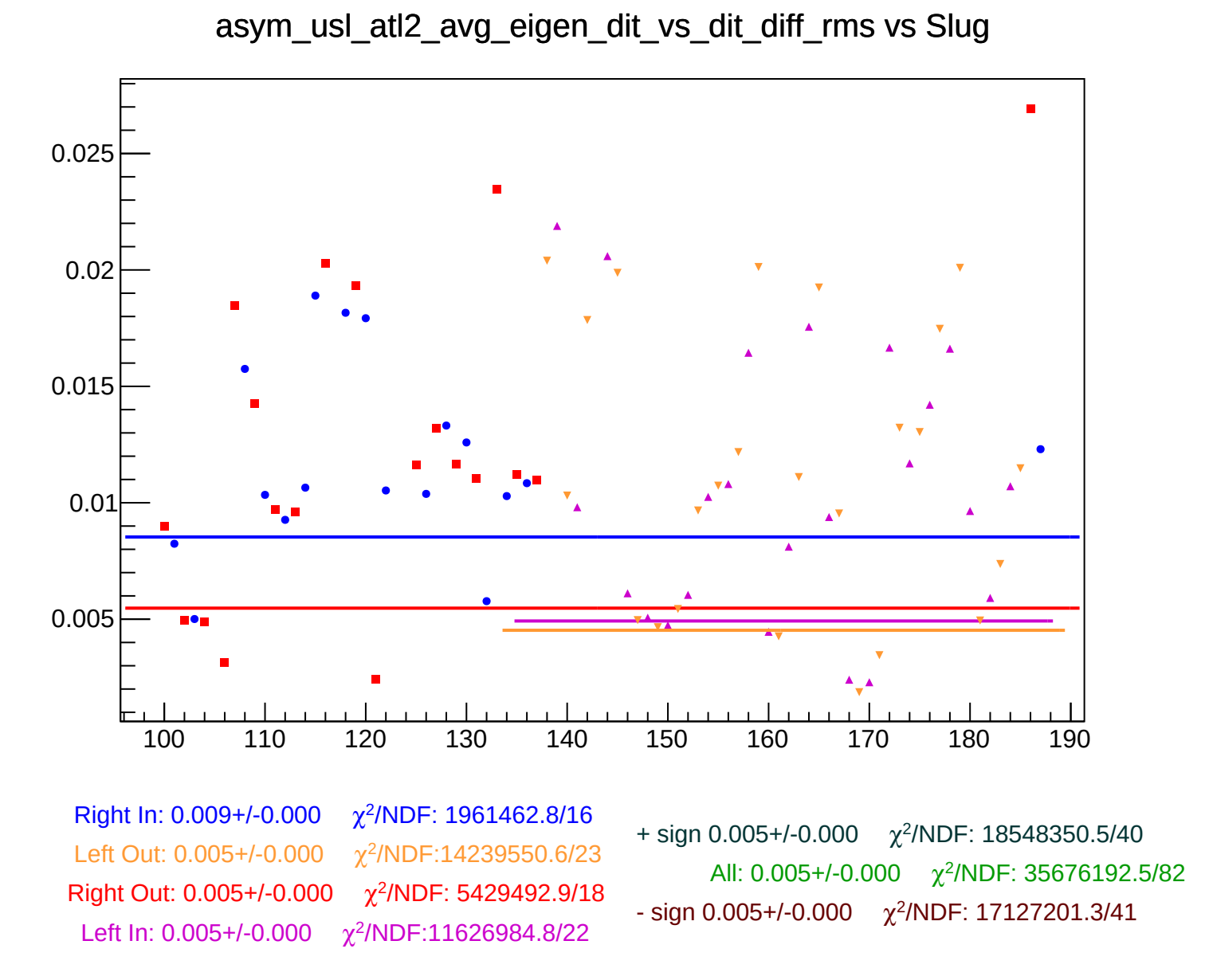
Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/18

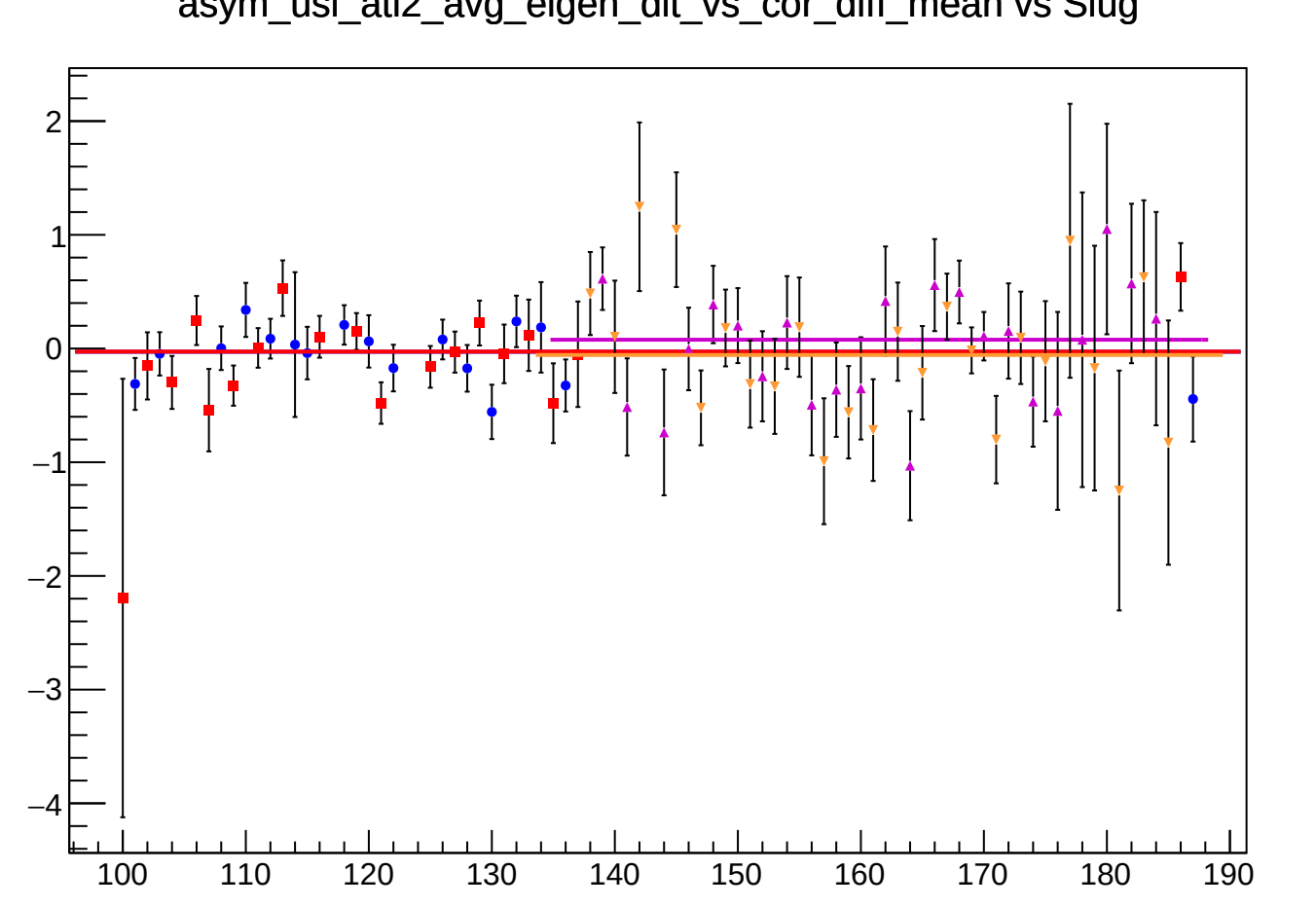
Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.6/40

All: -0.000+/-0.000 χ^2/NDF: 112.0/82

- sign 0.000+/-0.000 χ^2/NDF: 45.1/41


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.009+/-0.000 χ²/NDF: 1961462.8/16
Left Out: 0.005+/-0.000 χ²/NDF:14239550.6/23
Right Out: 0.005+/-0.000 χ²/NDF: 5429492.9/18
Left In: 0.005+/-0.000 χ²/NDF:11626984.8/22
+ sign 0.005+/-0.000 χ²/NDF: 18548350.5/40
All: 0.005+/-0.000 χ²/NDF: 35676192.5/82
- sign 0.005+/-0.000 χ²/NDF: 17127201.3/41



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

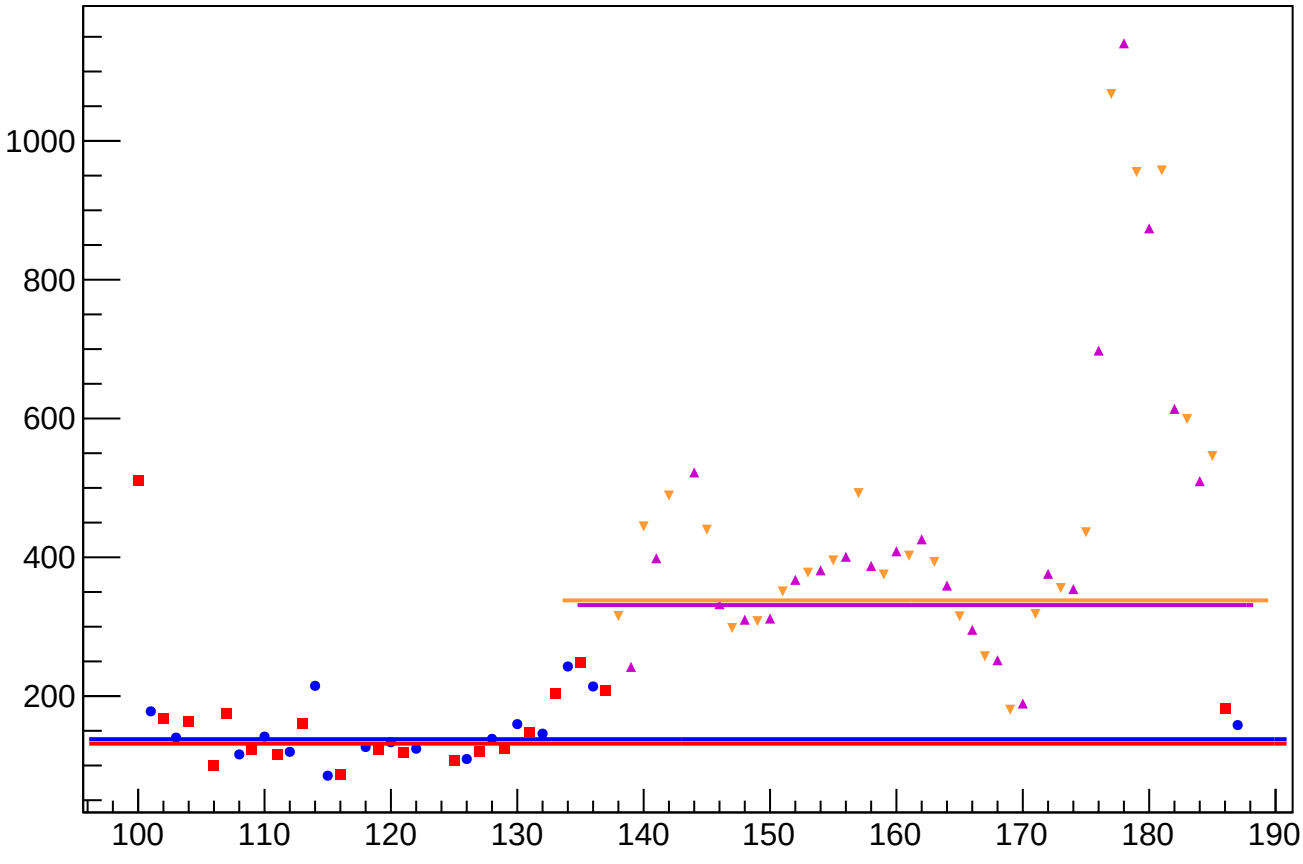
Right Out: -0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.036+/-0.045 χ^2/NDF: 47.7/40

All: -0.017+/-0.032 χ^2/NDF: 107.6/82

- sign 0.002+/-0.044 χ^2/NDF: 59.5/41



Right In: 137.918+/-0.038 χ^2/NDF: 698940.5/16

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

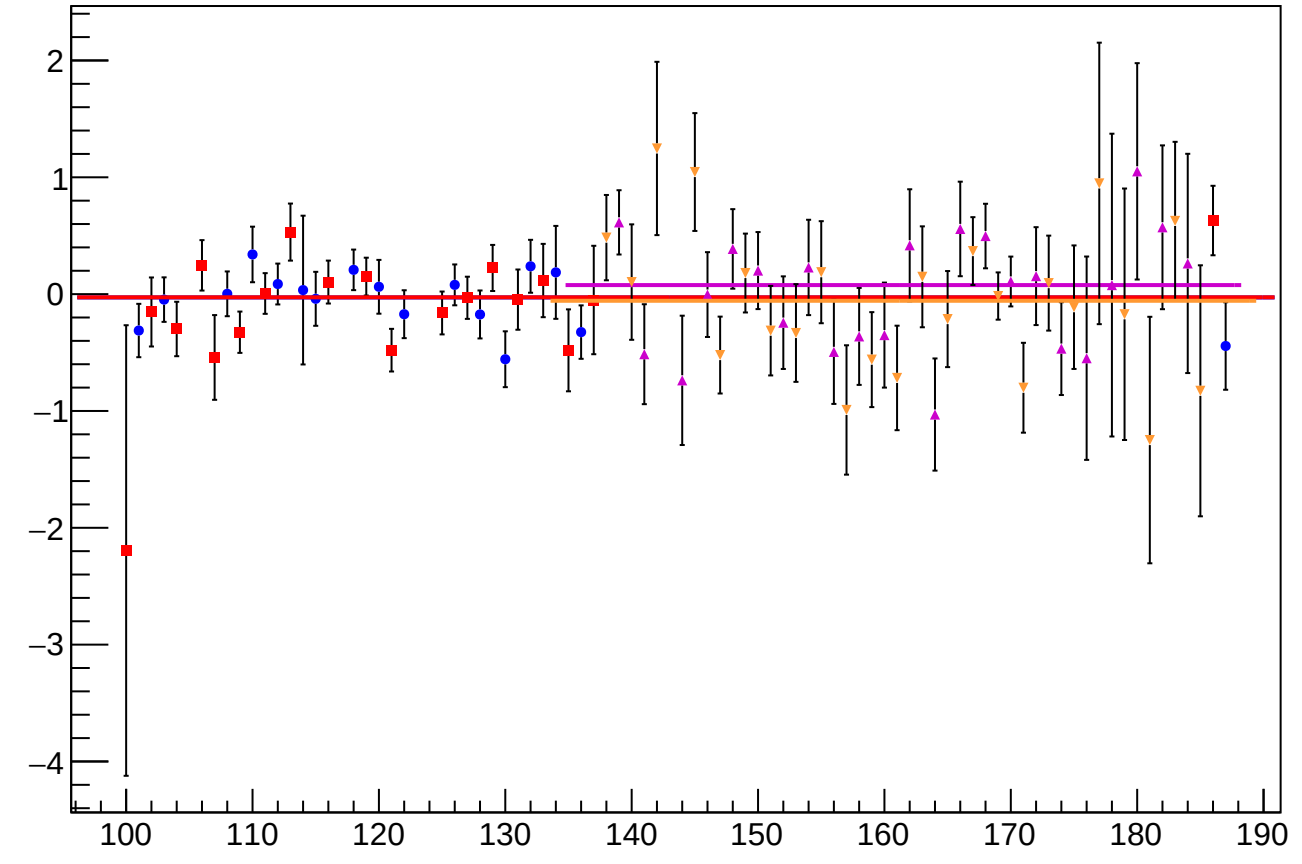
Right Out: 131.474+/-0.037 χ^2/NDF: 894378.9/18

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.458+/-0.032 χ^2/NDF: 13075163.9/40

All: 190.545+/-0.022 χ^2/NDF: 26386318.1/82

- sign 186.885+/-0.031 χ^2/NDF: 13282451.8/41



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

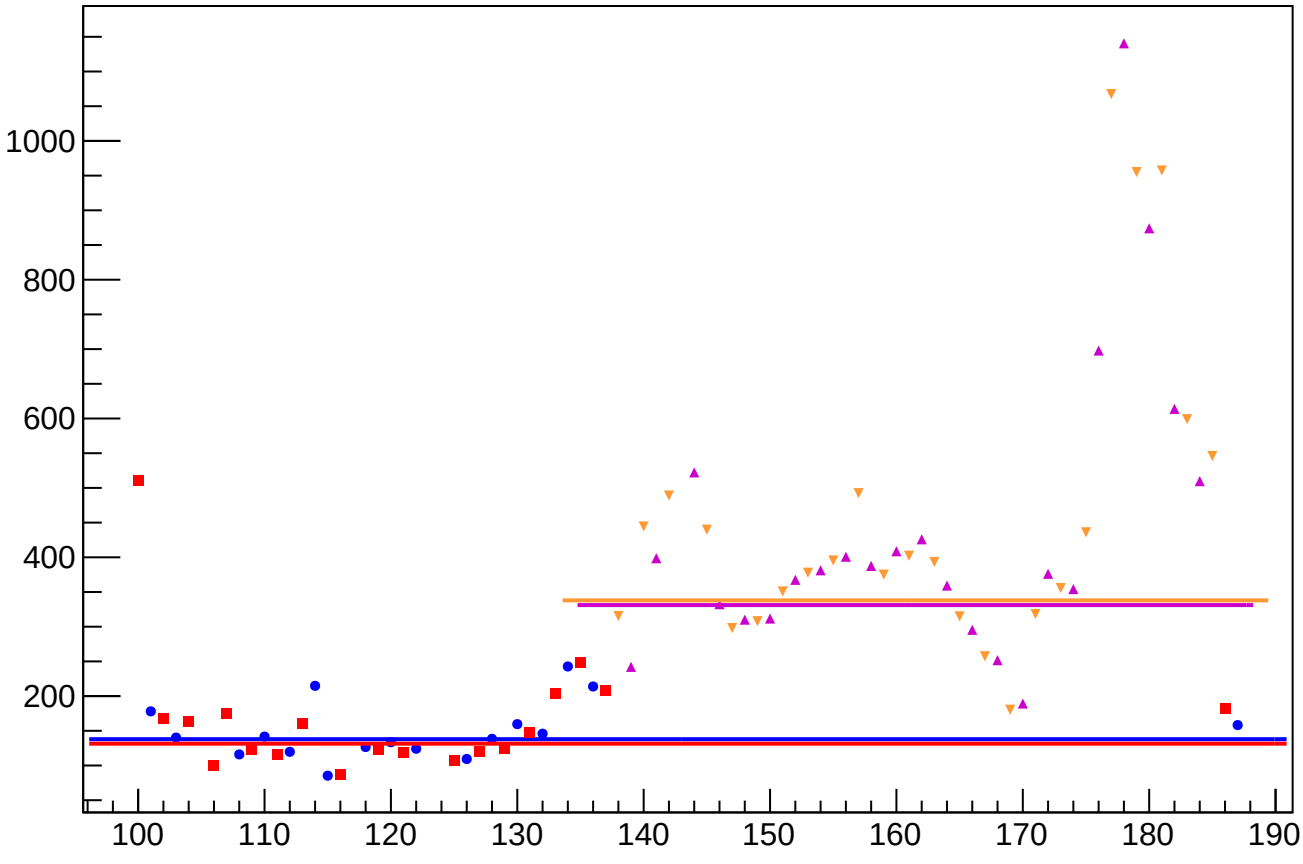
Right Out: -0.027+/-0.052 χ^2/NDF: 31.3/18

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.036+/-0.045 χ^2/NDF: 47.7/40

All: -0.017+/-0.032 χ^2/NDF: 107.6/82

- sign 0.002+/-0.044 χ^2/NDF: 59.5/41



Right In: 137.918+/-0.038 χ^2/NDF: 698940.5/16

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

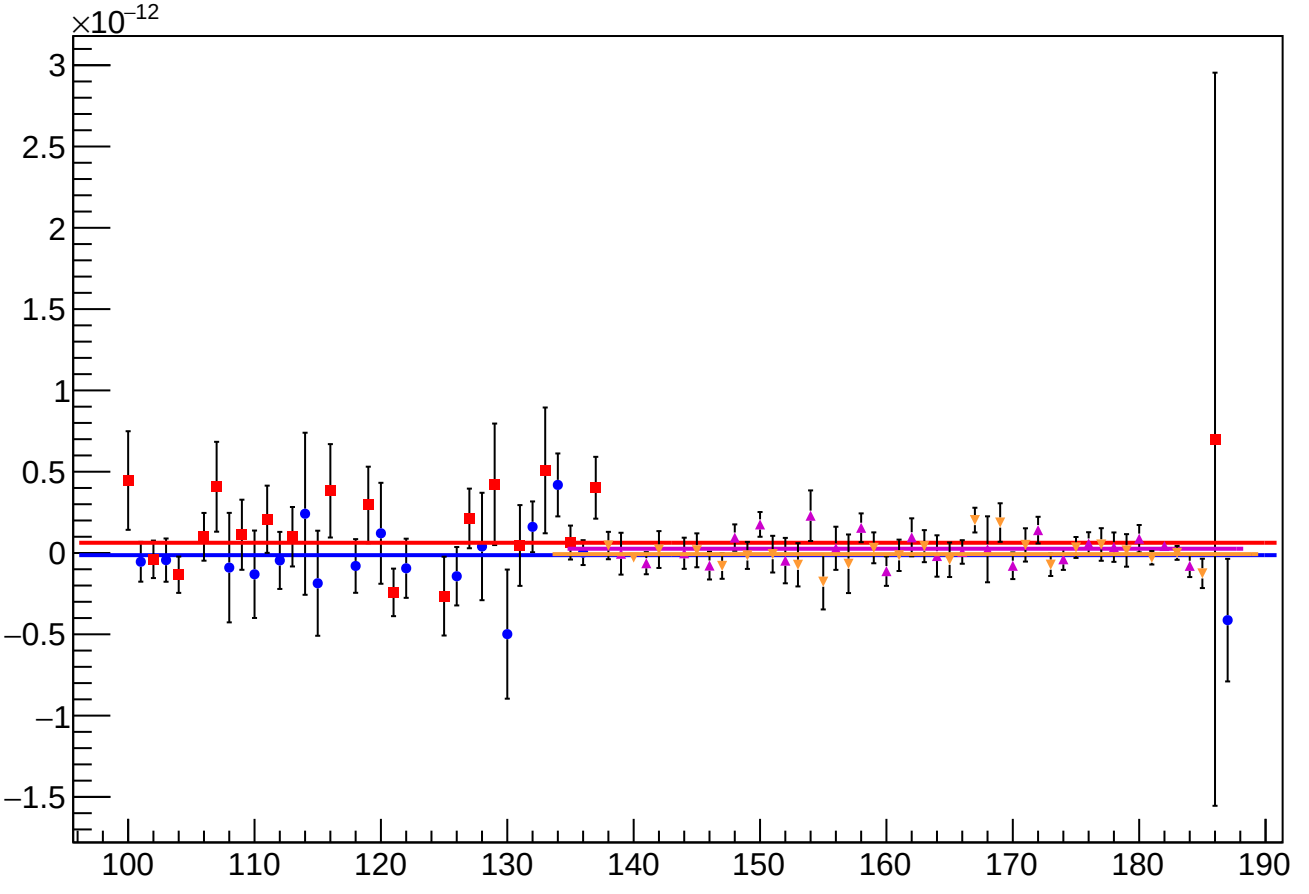
Right Out: 131.474+/-0.037 χ^2/NDF: 894378.9/18

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 194.458+/-0.032 χ^2/NDF: 13075163.9/40

All: 190.545+/-0.022 χ^2/NDF: 26386318.1/82

- sign 186.885+/-0.031 χ^2/NDF: 13282451.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

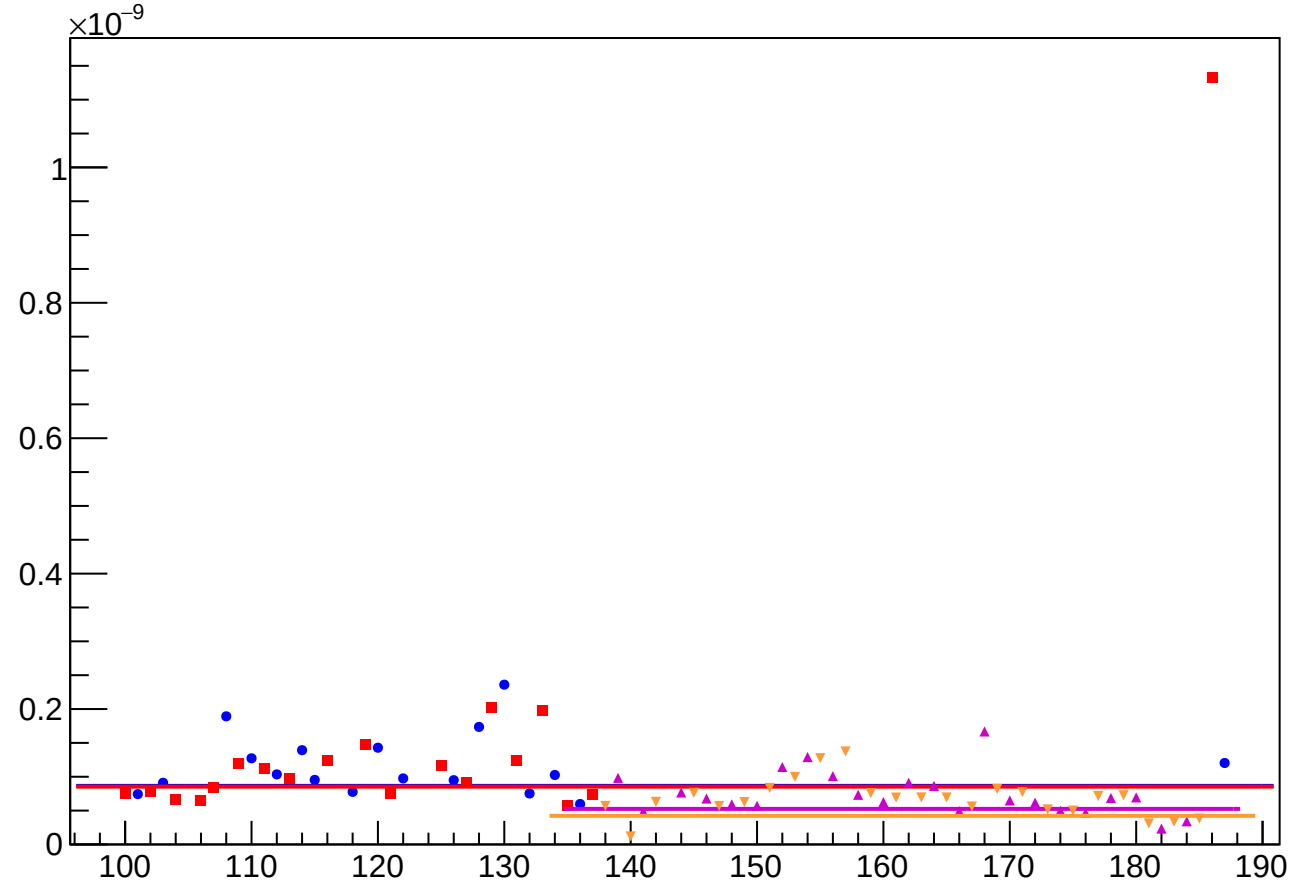
Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/18

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 29.1/40

All: 0.000+/-0.000 χ^2/NDF: 78.4/82

- sign 0.000+/-0.000 χ^2/NDF: 45.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1088364.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1415528.7/18

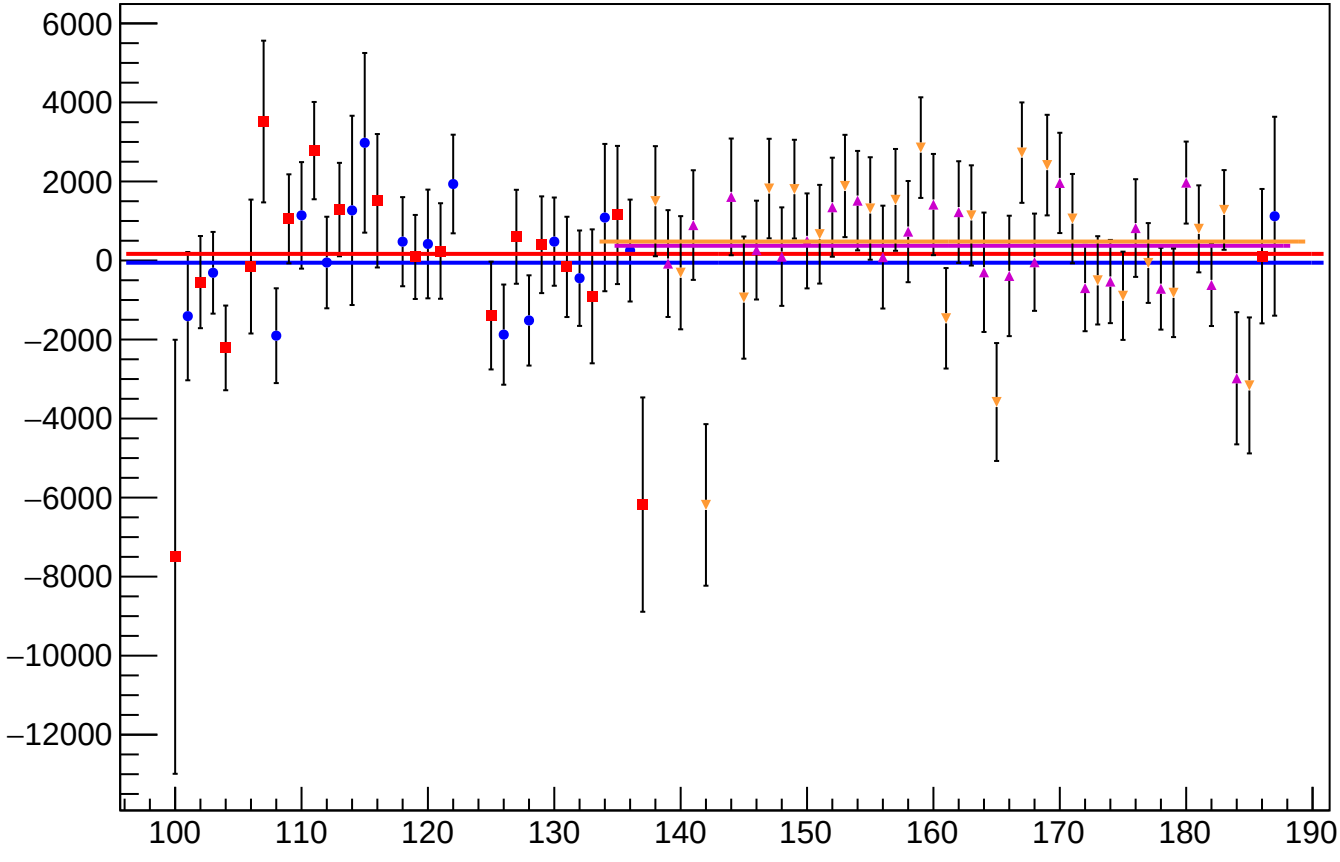
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9736512.9/40

All: 0.000+/-0.000 χ^2/NDF: 17609657.9/82

- sign 0.000+/-0.000 χ^2/NDF: 7391718.0/41

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -56.177+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 167.280+/-316.215 χ^2/NDF: 24.4/18

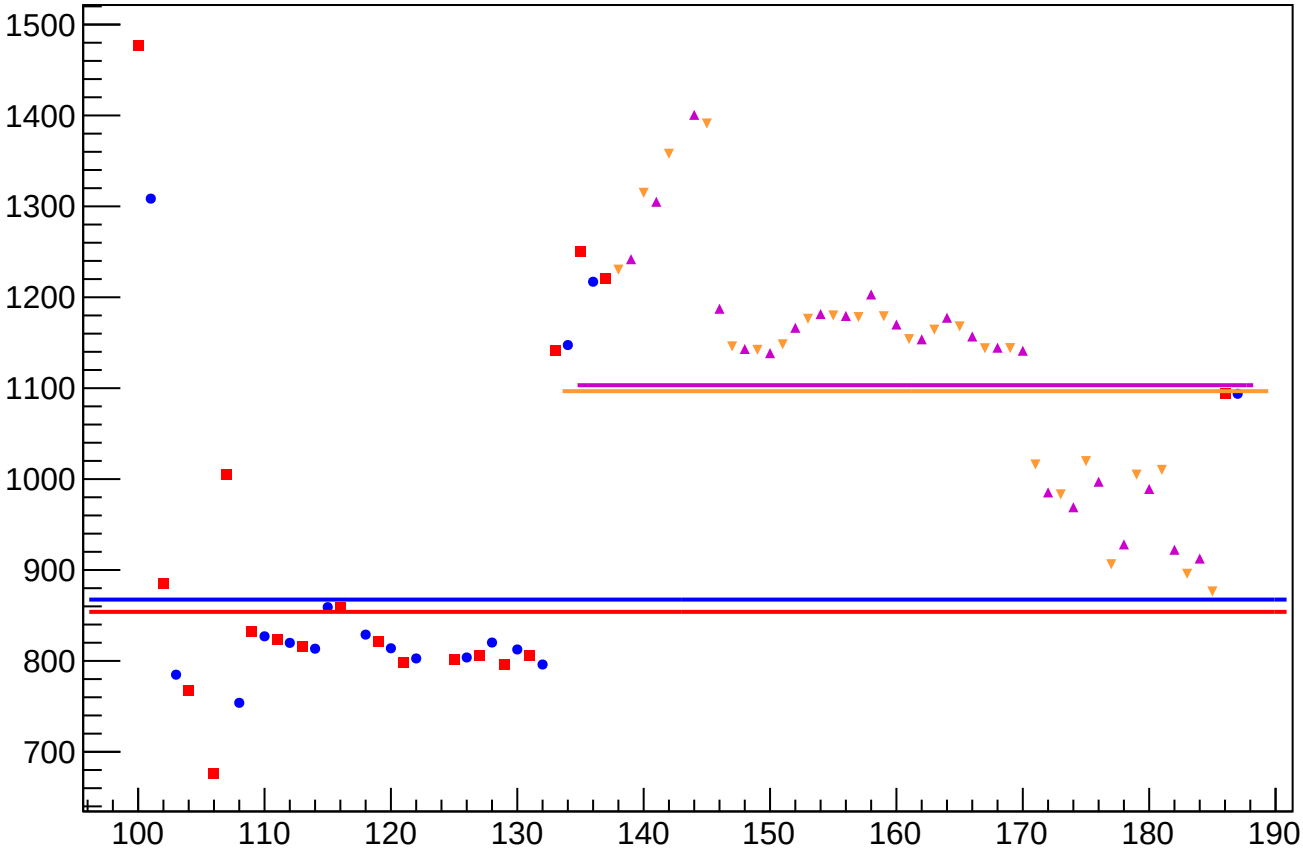
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 272.945+/-200.911 χ^2/NDF: 60.4/40

All: 281.608+/-141.925 χ^2/NDF: 101.1/82

- sign 290.238+/-200.514 χ^2/NDF: 40.7/41

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 867.465+/-0.229 χ^2/NDF: 423951.0/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 853.965+/-0.221 χ^2/NDF: 349022.5/18

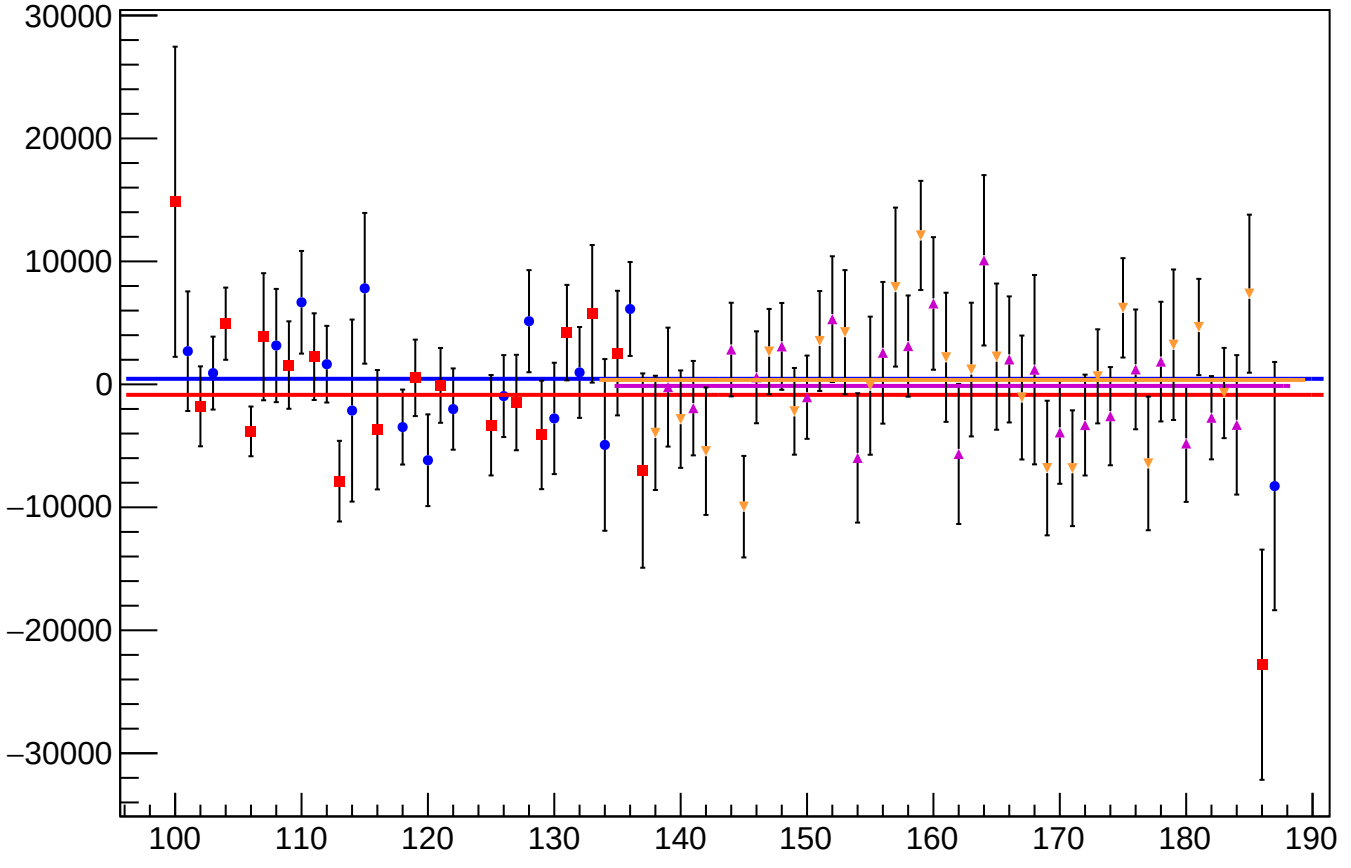
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1008.300+/-0.142 χ^2/NDF: 1521388.3/40

All: 1004.922+/-0.100 χ^2/NDF: 3073137.3/82

- sign 1001.590+/-0.141 χ^2/NDF: 1550625.9/41

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 452.079+/-976.687 χ^2/NDF: 15.4/16

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -853.279+/-861.300 χ^2/NDF: 25.5/18

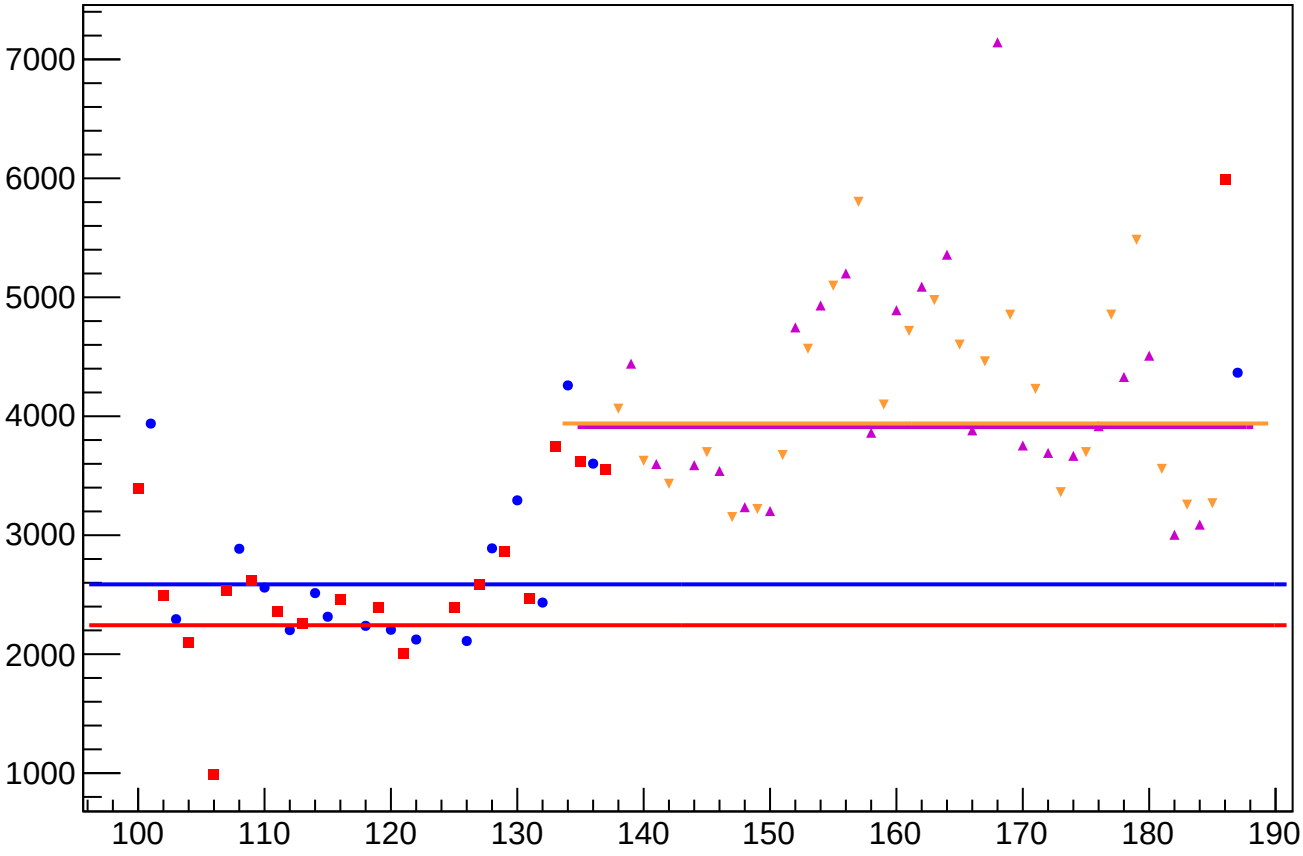
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 402.809+/-675.107 χ^2/NDF: 45.7/40

All: -87.831+/-461.671 χ^2/NDF: 86.3/82

- sign -518.838+/-632.752 χ^2/NDF: 39.6/41

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 2586.943+/-0.691 χ^2/NDF: 725171.2/16

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2243.285+/-0.609 χ^2/NDF: 1587680.8/18

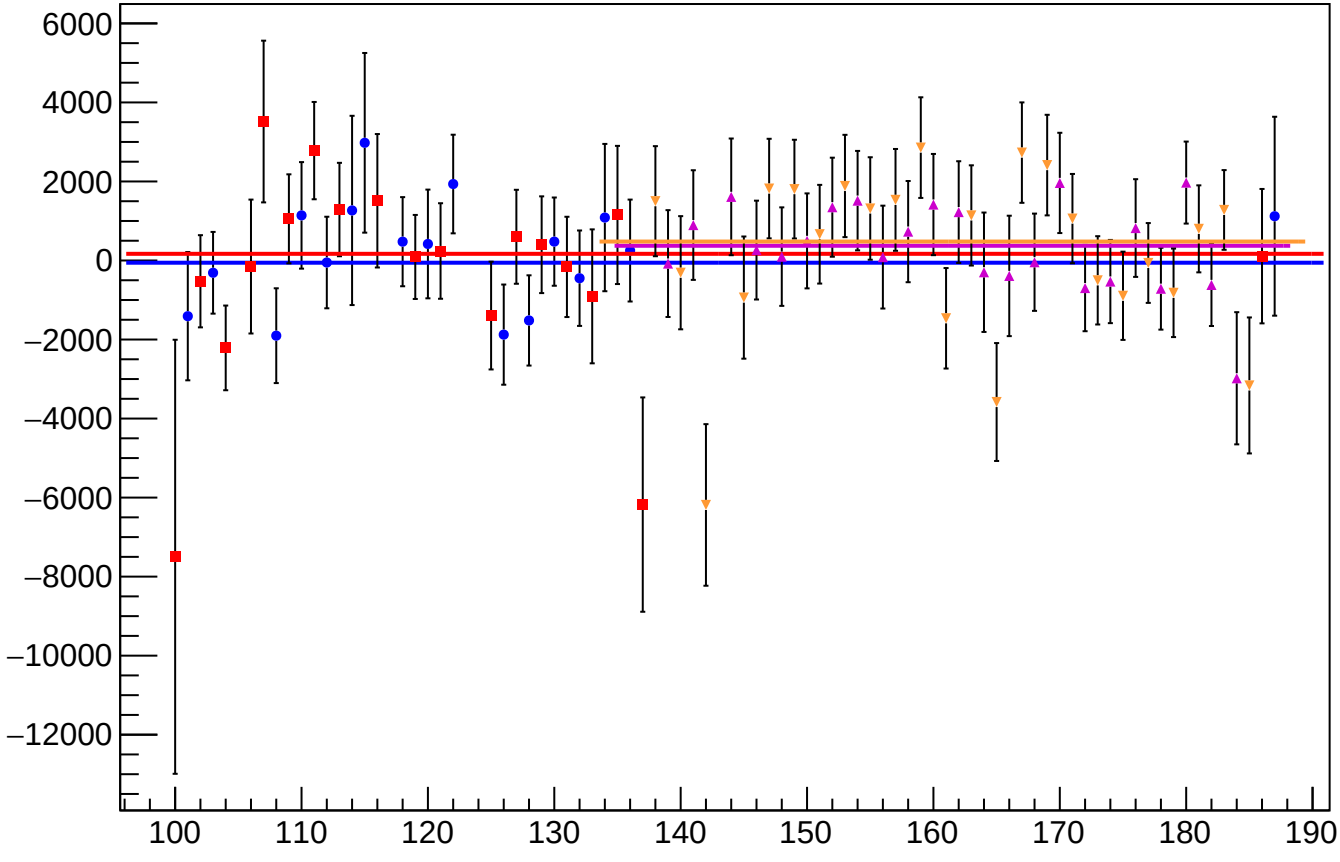
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3293.141+/-0.477 χ^2/NDF: 3820114.2/40

All: 3142.444+/-0.326 χ^2/NDF: 10339470.5/8

- sign 3010.063+/-0.447 χ^2/NDF: 6332161.3/41

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -56.253+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 168.863+/-316.220 χ^2/NDF: 24.4/18

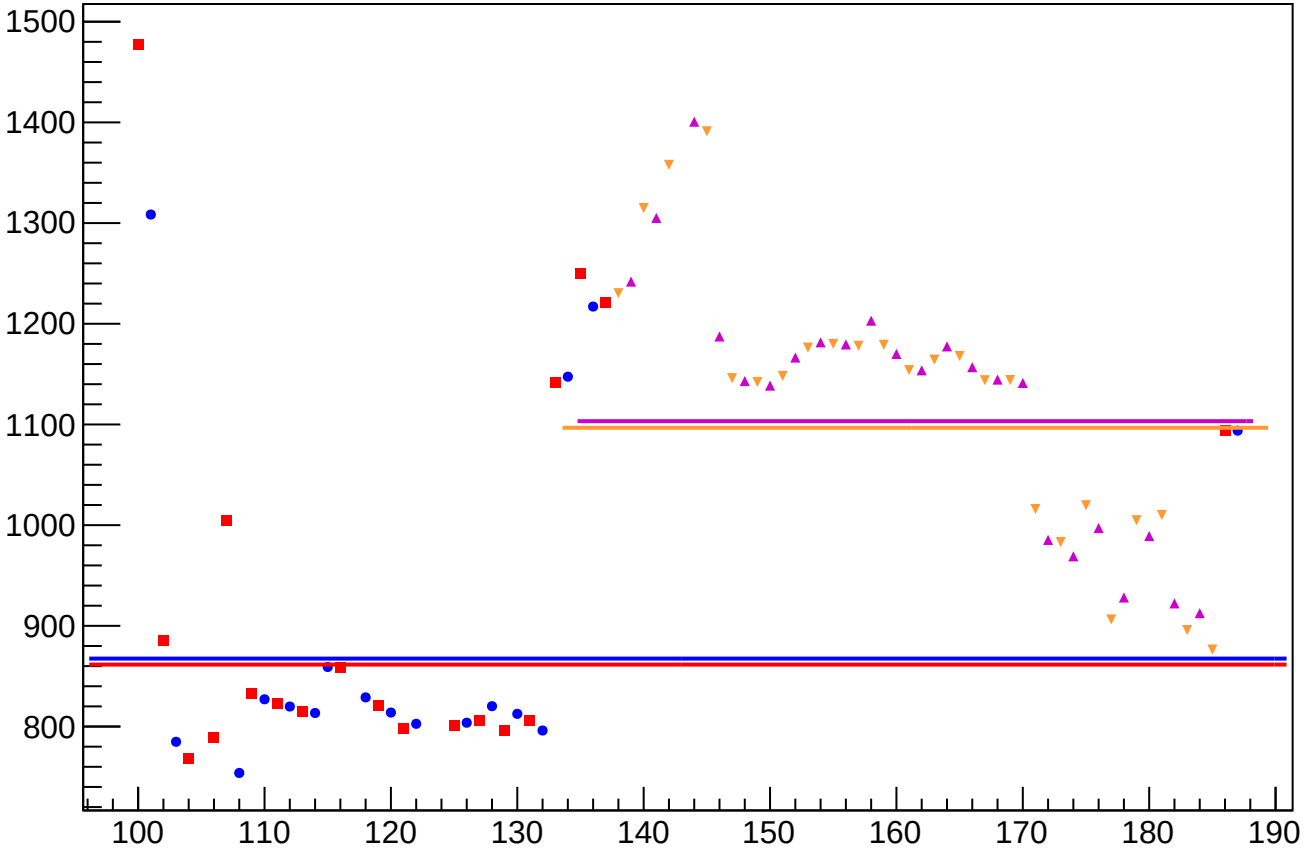
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 272.933+/-200.911 χ^2/NDF: 60.4/40

All: 281.914+/-141.925 χ^2/NDF: 101.1/82

- sign 290.861+/-200.515 χ^2/NDF: 40.7/41

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 867.465+/-0.229 χ^2/NDF: 423950.7/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 861.530+/-0.222 χ^2/NDF: 314065.5/18

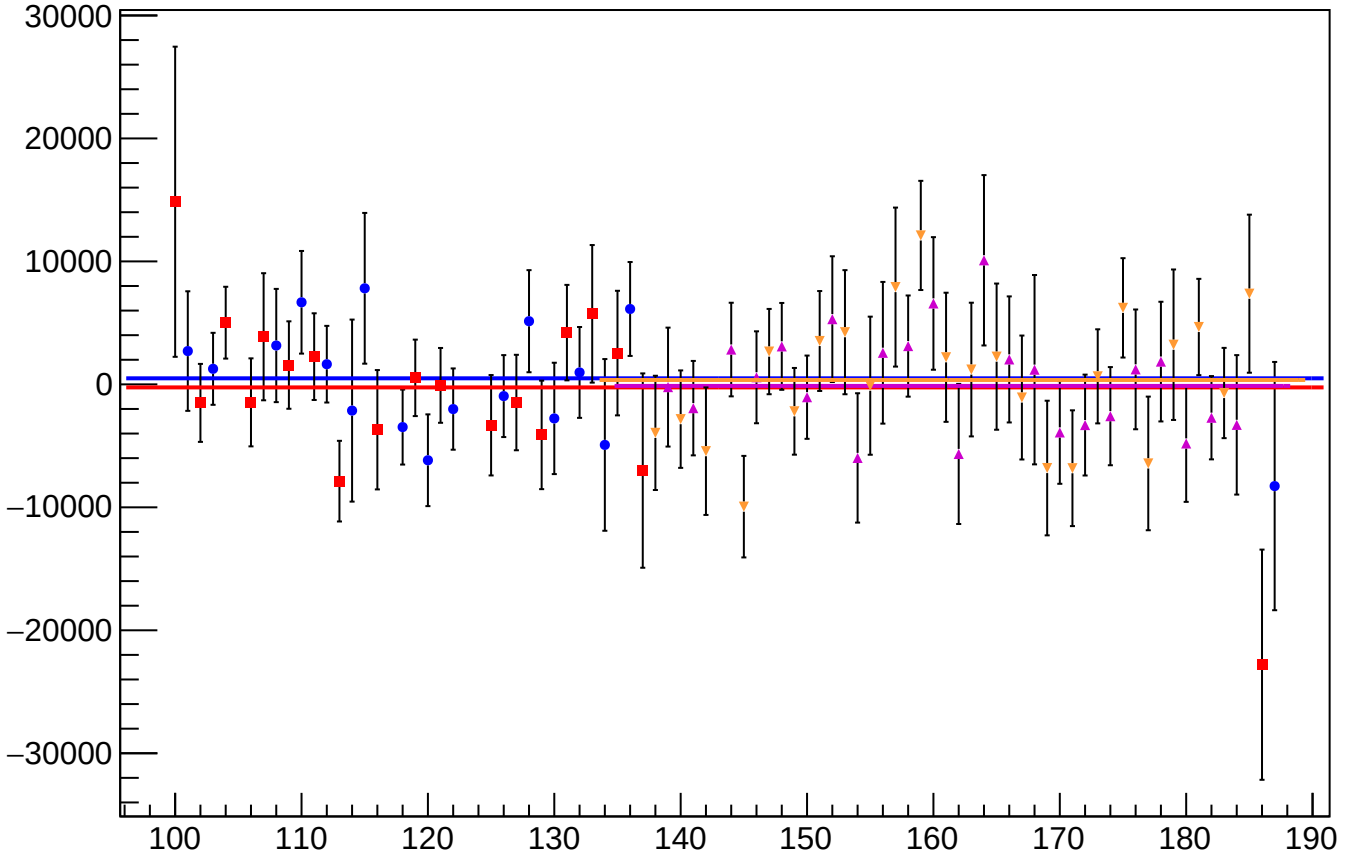
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.300+/-0.142 χ^2/NDF: 1521388.4/40

All: 1006.892+/-0.100 χ^2/NDF: 2986292.2/82

- sign 1005.495+/-0.141 χ^2/NDF: 1464708.1/41

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 492.400+/-975.273 χ^2/NDF: 15.5/16

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -247.461+/-917.673 χ^2/NDF: 23.1/18

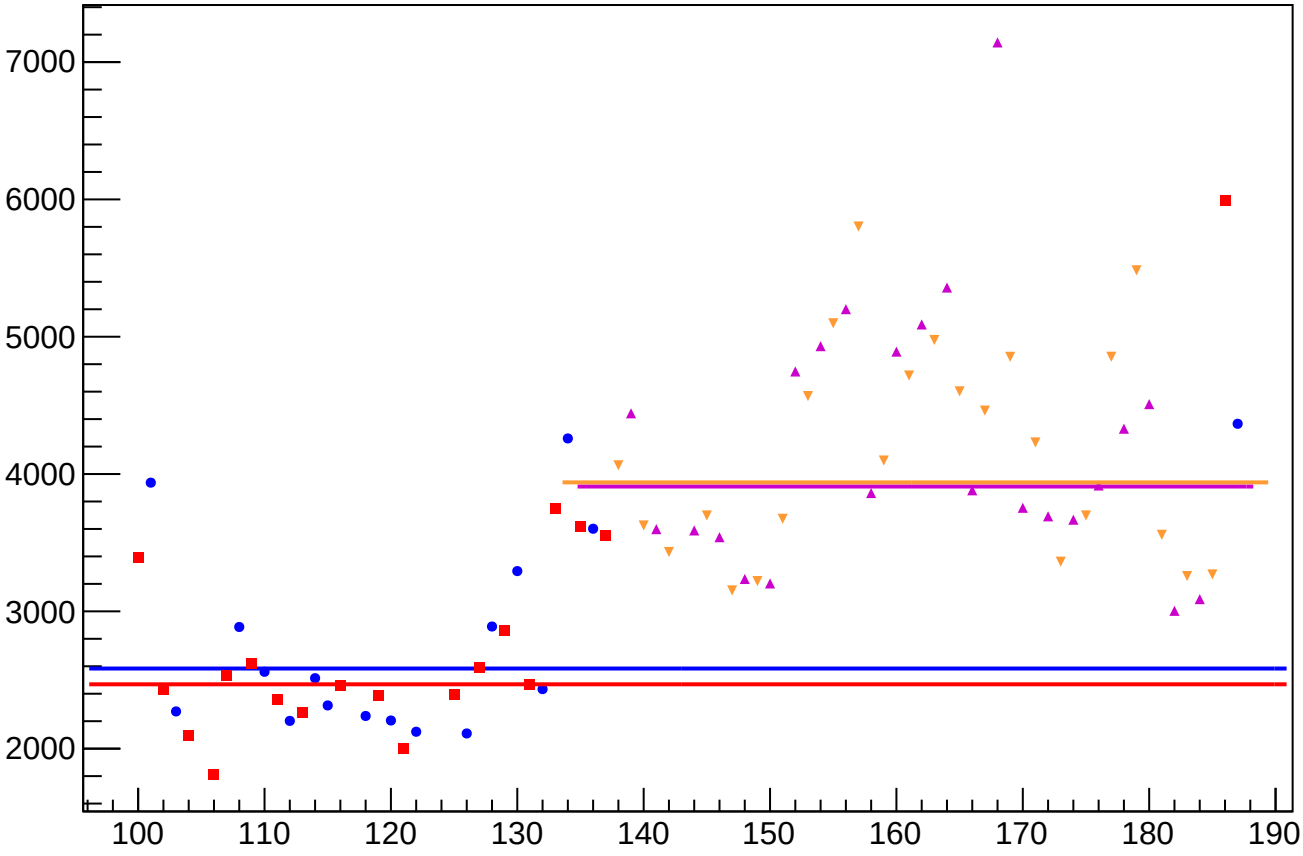
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 422.170+/-674.640 χ^2/NDF: 45.7/40

All: 107.652+/-469.620 χ^2/NDF: 83.0/82

- sign -188.026+/-654.122 χ^2/NDF: 36.8/41

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 2583.524+/-0.690 χ^2/NDF: 728805.2/16

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2468.628+/-0.649 χ^2/NDF: 720270.8/18

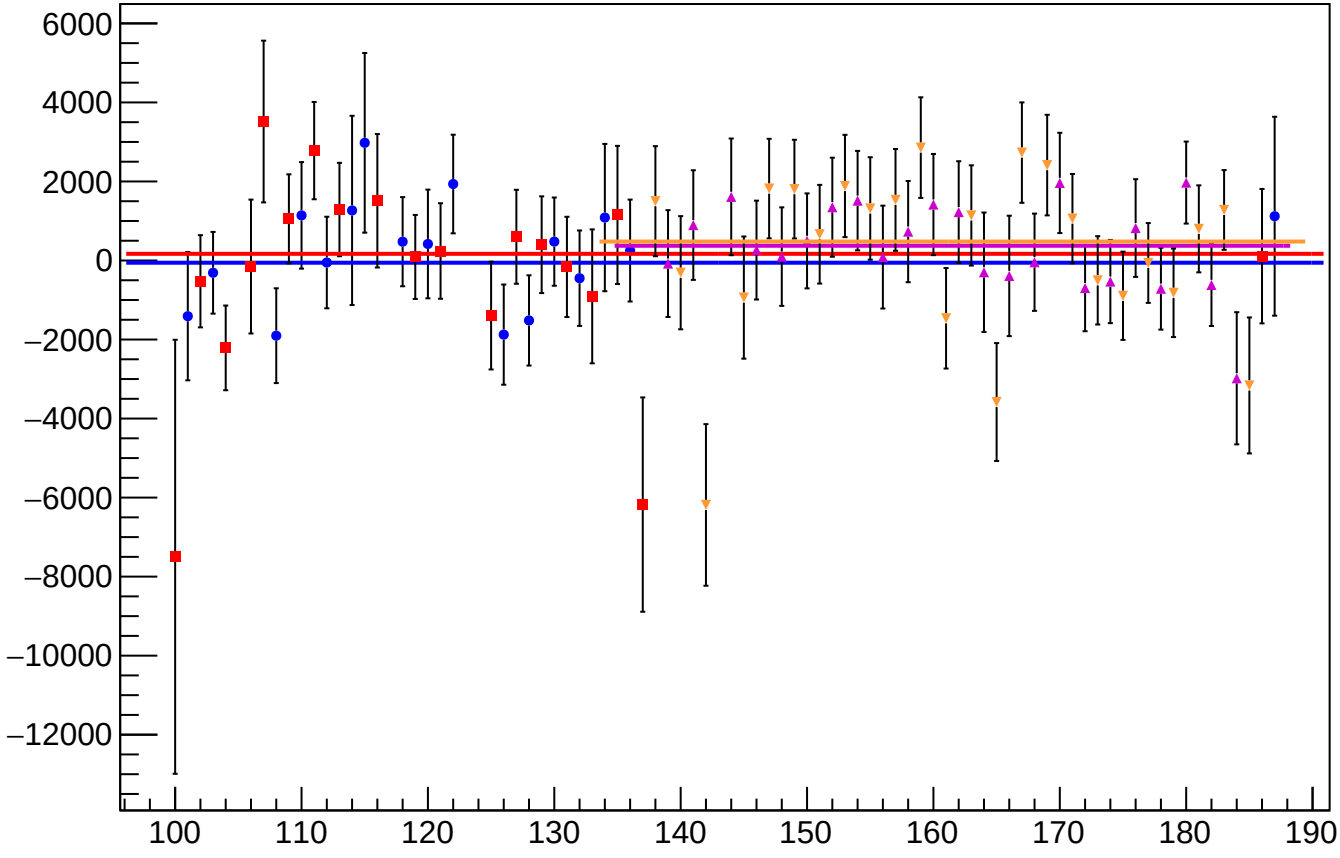
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3290.528+/-0.477 χ^2/NDF: 3836934.3/40

All: 3232.126+/-0.332 χ^2/NDF: 8311248.8/82

- sign 3177.223+/-0.463 χ^2/NDF: 4445236.6/41

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -56.253+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 168.863+/-316.220 χ^2/NDF: 24.4/18

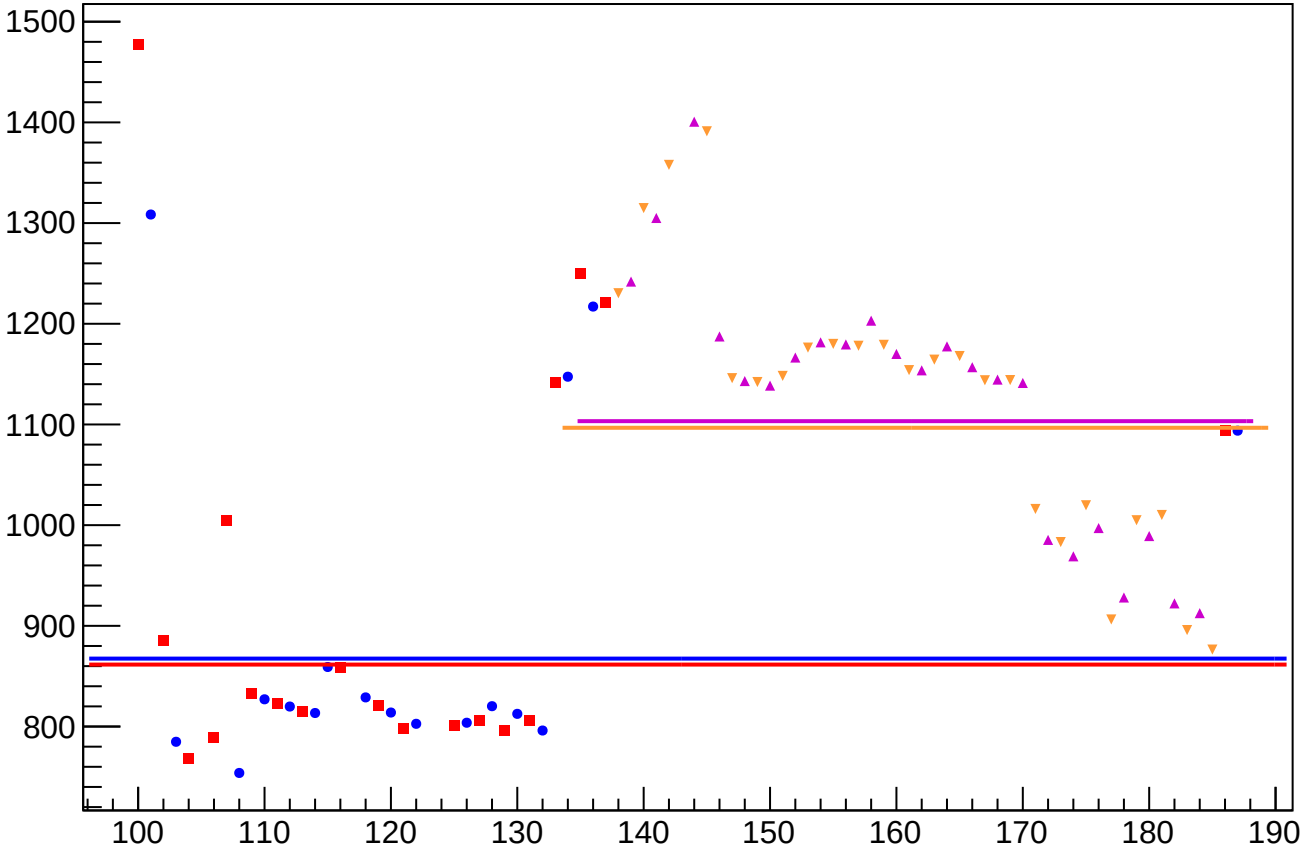
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 272.933+/-200.911 χ^2/NDF: 60.4/40

All: 281.914+/-141.925 χ^2/NDF: 101.1/82

- sign 290.861+/-200.515 χ^2/NDF: 40.7/41

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 867.465+/-0.229 χ^2/NDF: 423950.7/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

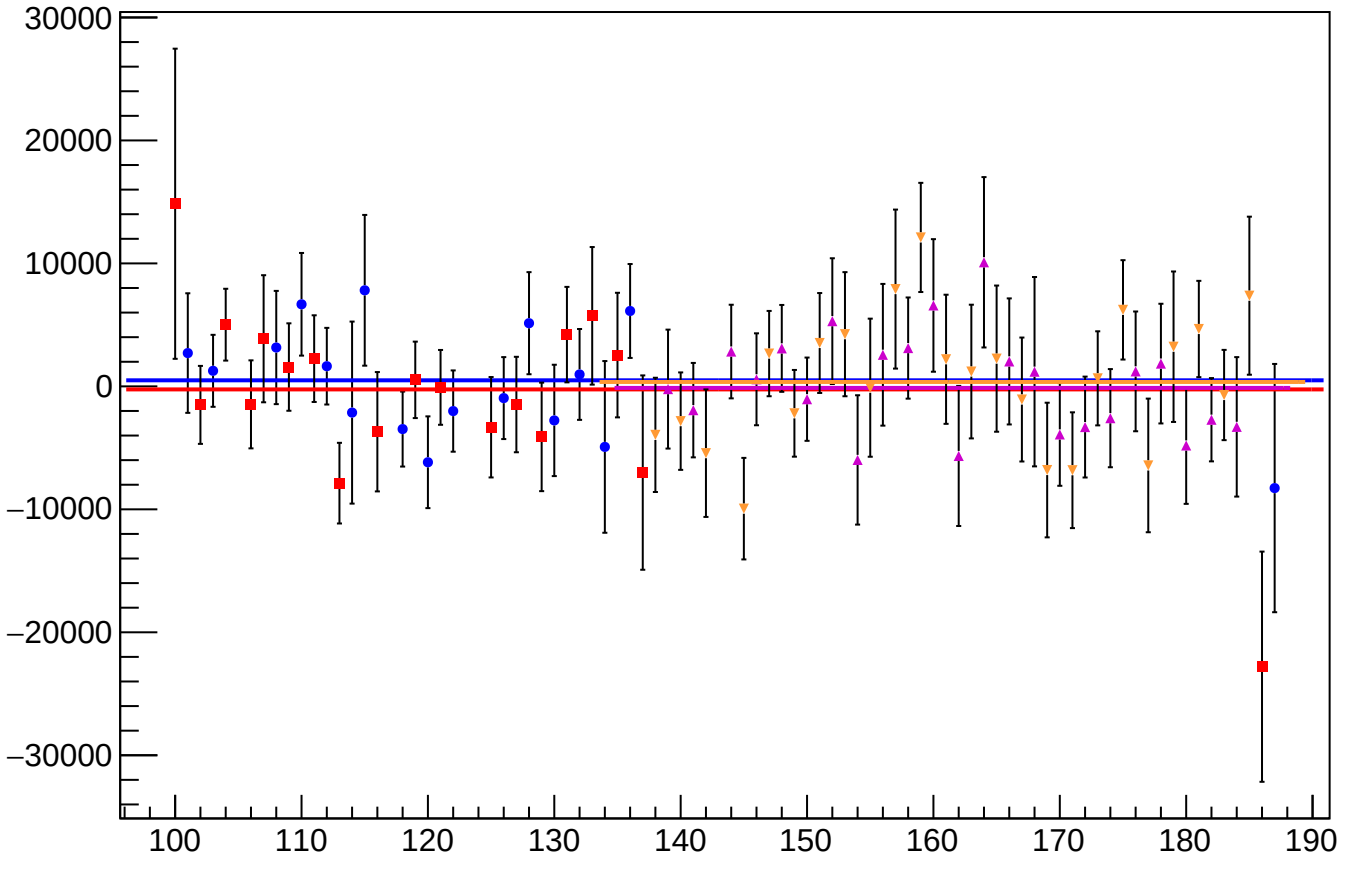
Right Out: 861.530+/-0.222 χ^2/NDF: 314065.5/18

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1008.300+/-0.142 χ^2/NDF: 1521388.4/40

All: 1006.892+/-0.100 χ^2/NDF: 2986292.2/82

- sign 1005.495+/-0.141 χ^2/NDF: 1464708.1/41



Right In: 492.400+/-975.273 χ^2/NDF: 15.5/16

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

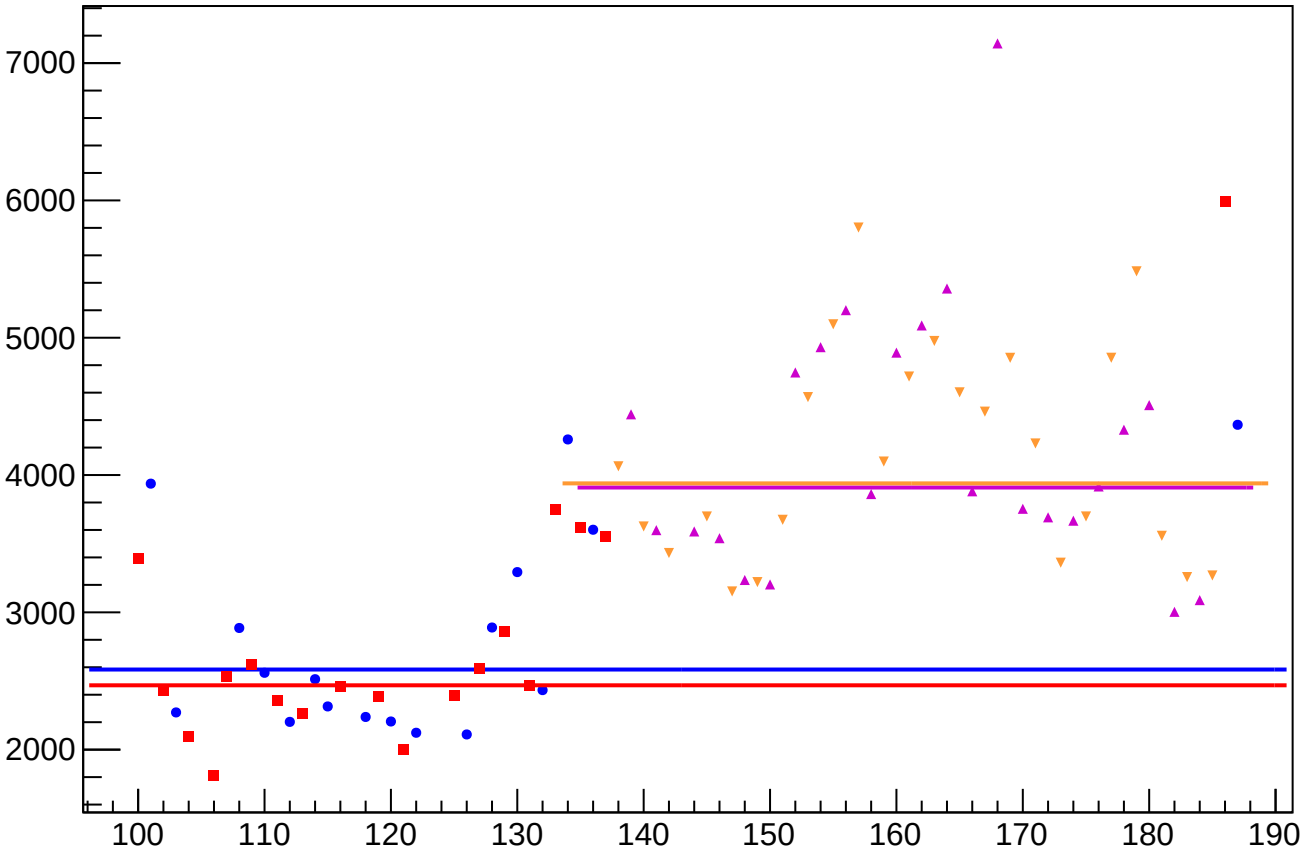
Right Out: -247.461+/-917.673 χ^2/NDF: 23.1/18

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 422.170+/-674.640 χ^2/NDF: 45.7/40

All: 107.652+/-469.620 χ^2/NDF: 83.0/82

- sign -188.026+/-654.122 χ^2/NDF: 36.8/41



Right In: 2583.524+/-0.690 χ^2/NDF: 728805.2/16

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2468.628+/-0.649 χ^2/NDF: 720270.8/18

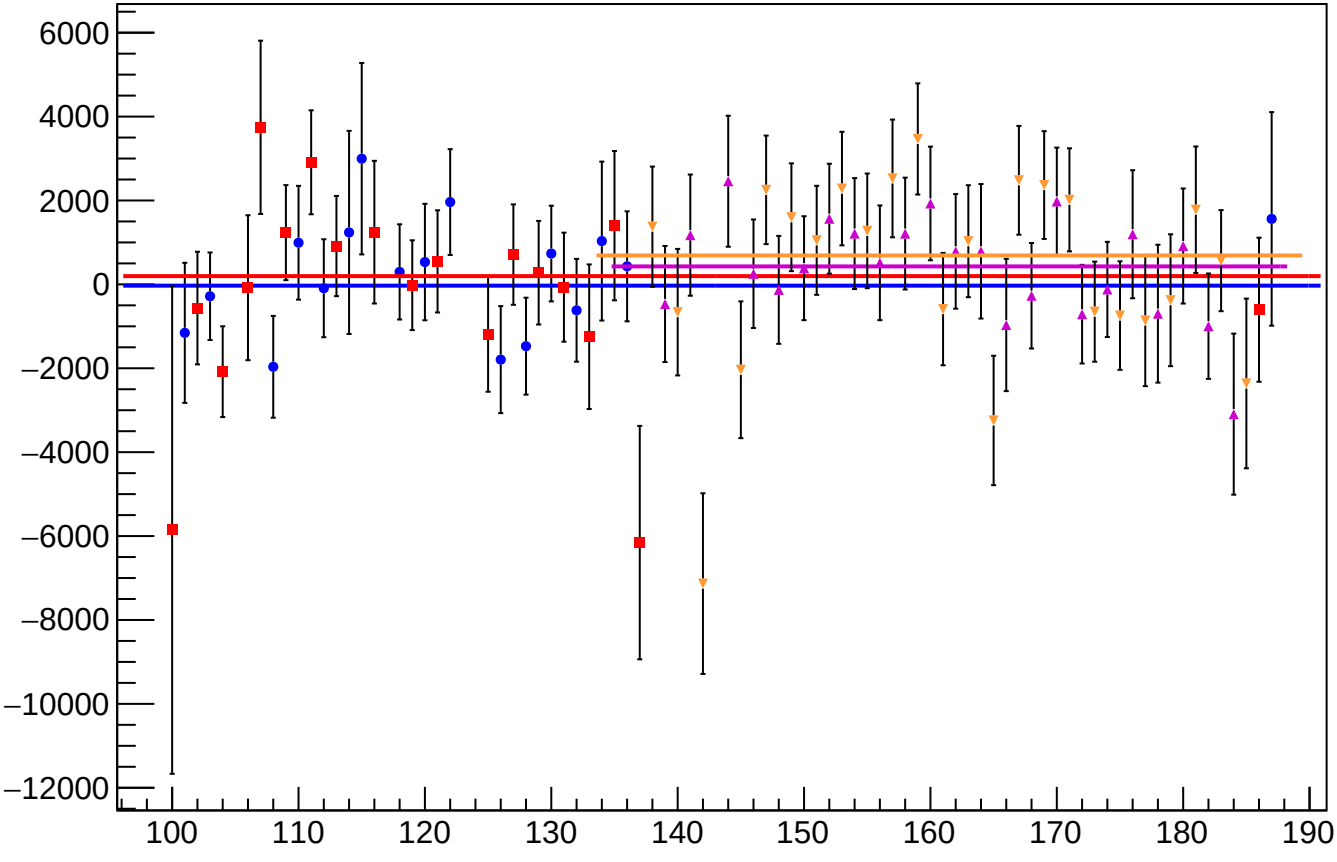
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3290.528+/-0.477 χ^2/NDF: 3836934.3/40

All: 3232.126+/-0.332 χ^2/NDF: 8311248.8/82

- sign 3177.223+/-0.463 χ^2/NDF: 4445236.6/41

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -30.444+/-327.347 χ^2/NDF: 13.4/16

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 196.821+/-322.239 χ^2/NDF: 23.1/18

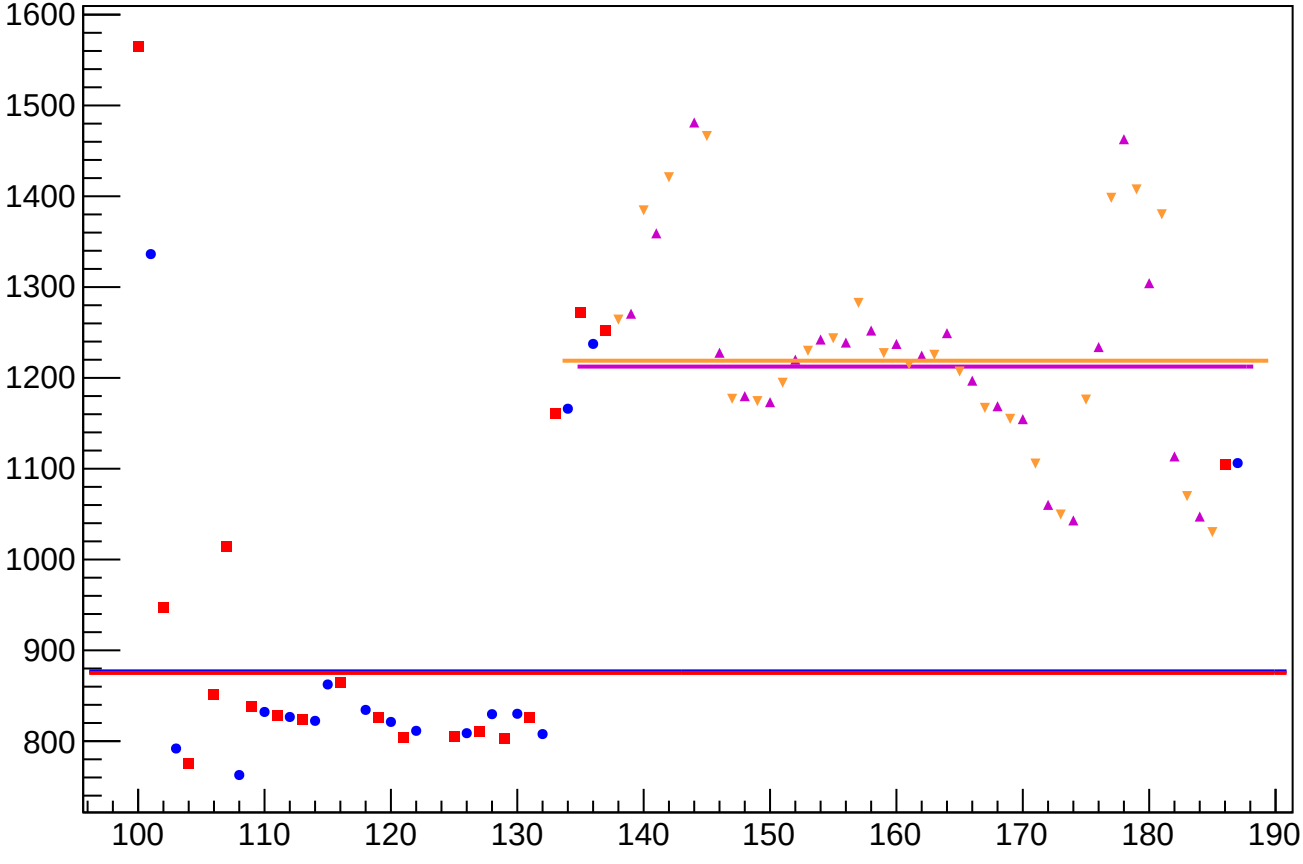
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 379.603+/-214.686 χ^2/NDF: 61.9/40

All: 353.026+/-151.286 χ^2/NDF: 100.0/82

- sign 326.811+/-213.223 χ^2/NDF: 38.0/41

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 876.828+/-0.231 χ^2/NDF: 433611.5/16

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 875.130+/-0.228 χ^2/NDF: 327383.7/18

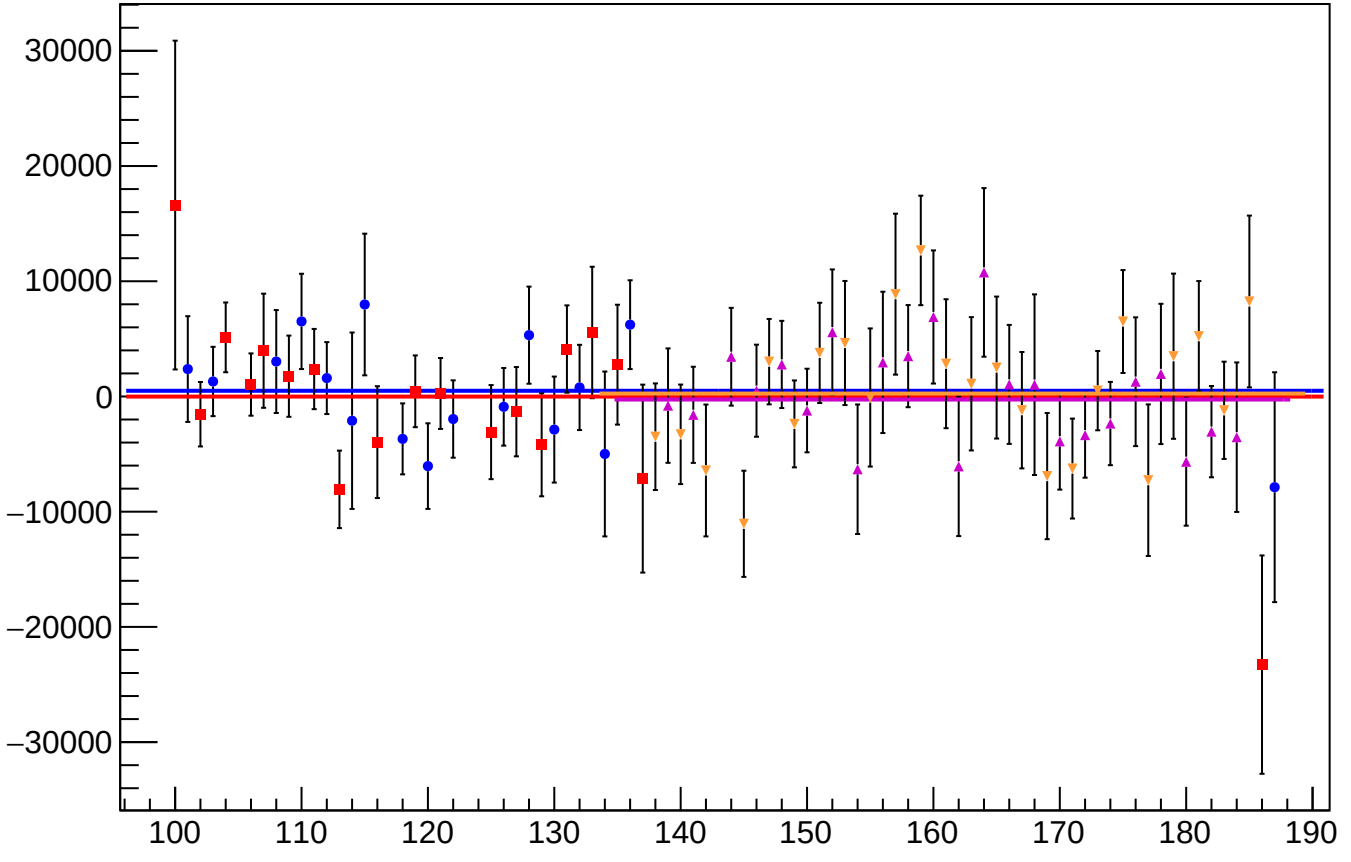
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1071.784+/-0.152 χ^2/NDF: 1972292.4/40

All: 1068.165+/-0.107 χ^2/NDF: 3794451.4/82

- sign 1064.599+/-0.151 χ^2/NDF: 1821030.6/41

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 493.673+/-980.121 χ^2/NDF: 15.4/16

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -9.182+/-890.167 χ^2/NDF: 23.3/18

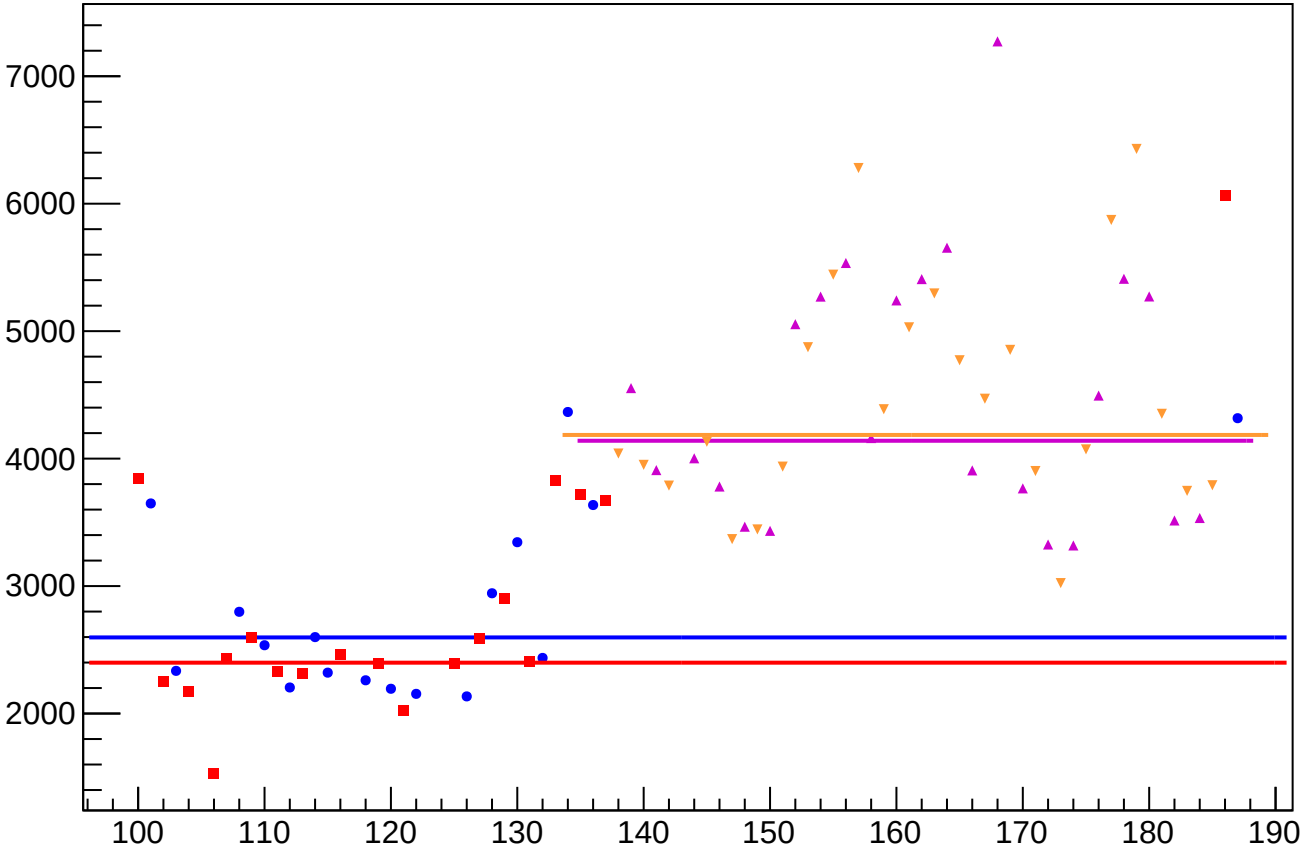
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 375.070+/-698.303 χ^2/NDF: 45.1/40

All: 112.164+/-480.410 χ^2/NDF: 82.1/82

- sign -124.087+/-661.958 χ^2/NDF: 36.7/41

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 2597.147+/-0.693 χ^2/NDF: 677211.5/16

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2399.045+/-0.629 χ^2/NDF: 913568.2/18

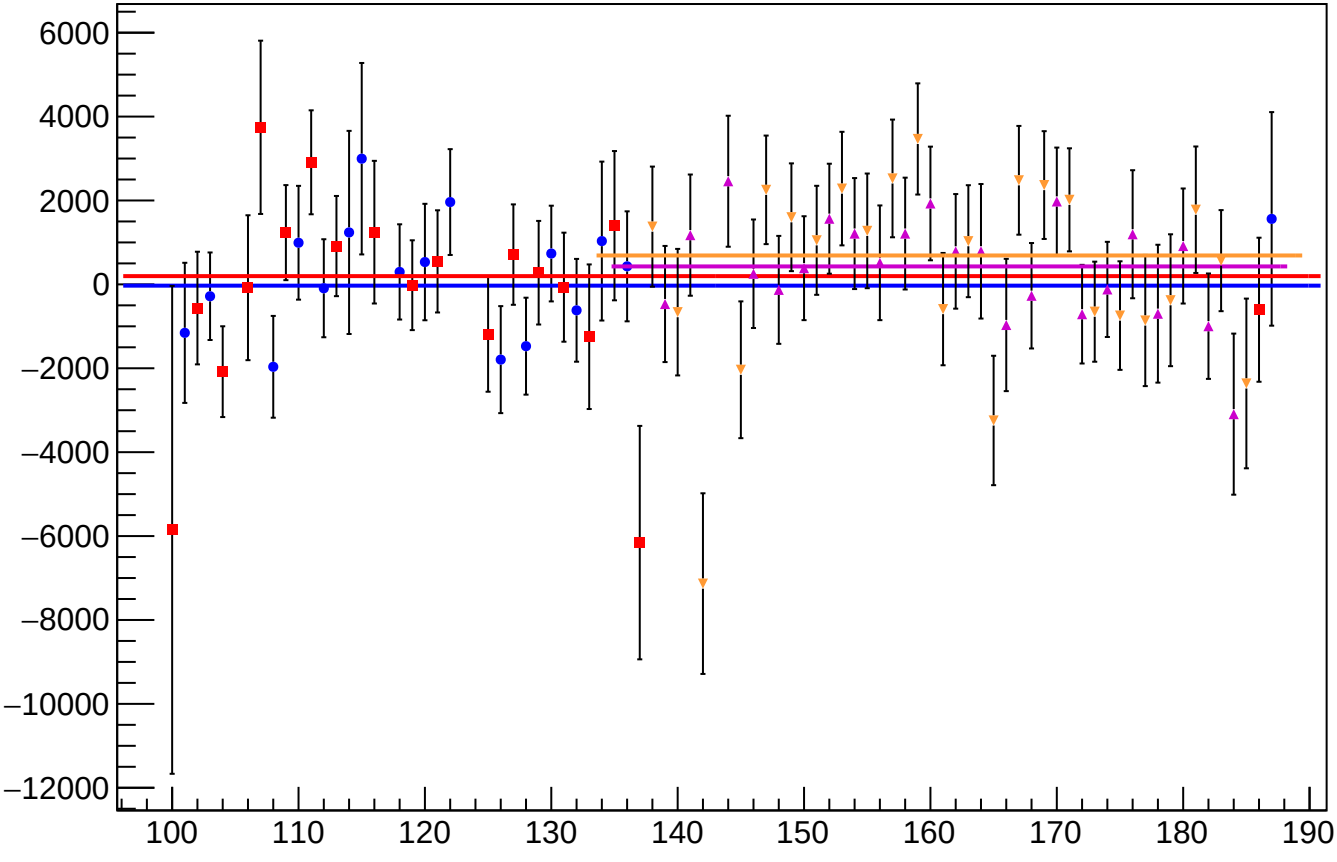
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3379.317+/-0.494 χ^2/NDF: 4535245.9/40

All: 3272.910+/-0.340 χ^2/NDF: 10406739.1/8

- sign 3177.292+/-0.468 χ^2/NDF: 5783324.6/41

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -30.448+/-327.347 χ^2/NDF: 13.4/16

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 196.827+/-322.239 χ^2/NDF: 23.1/18

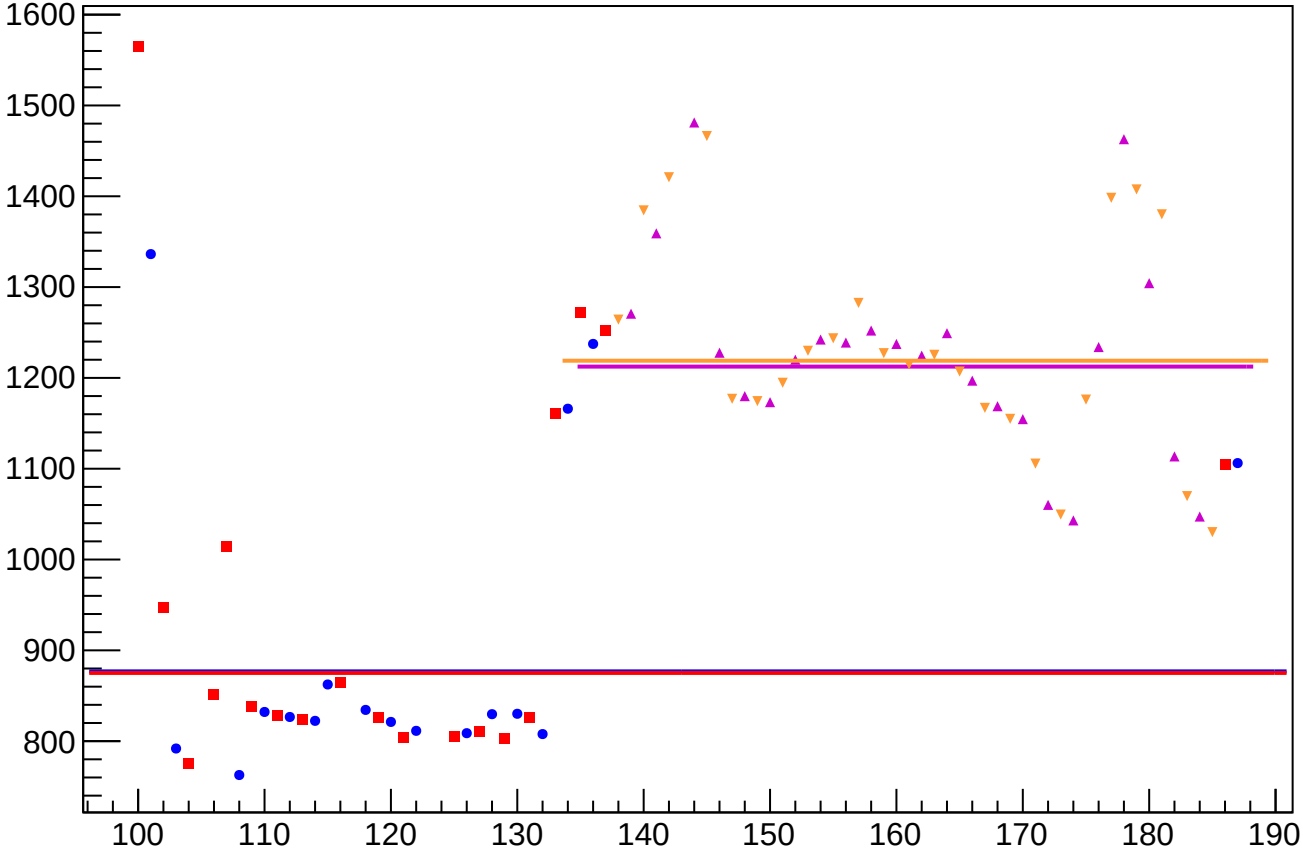
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 379.602+/-214.686 χ^2/NDF: 61.9/40

All: 353.026+/-151.286 χ^2/NDF: 100.0/82

- sign 326.812+/-213.223 χ^2/NDF: 38.0/41

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 876.829+/-0.231 χ^2/NDF: 433611.3/16

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 875.130+/-0.228 χ^2/NDF: 327383.3/18

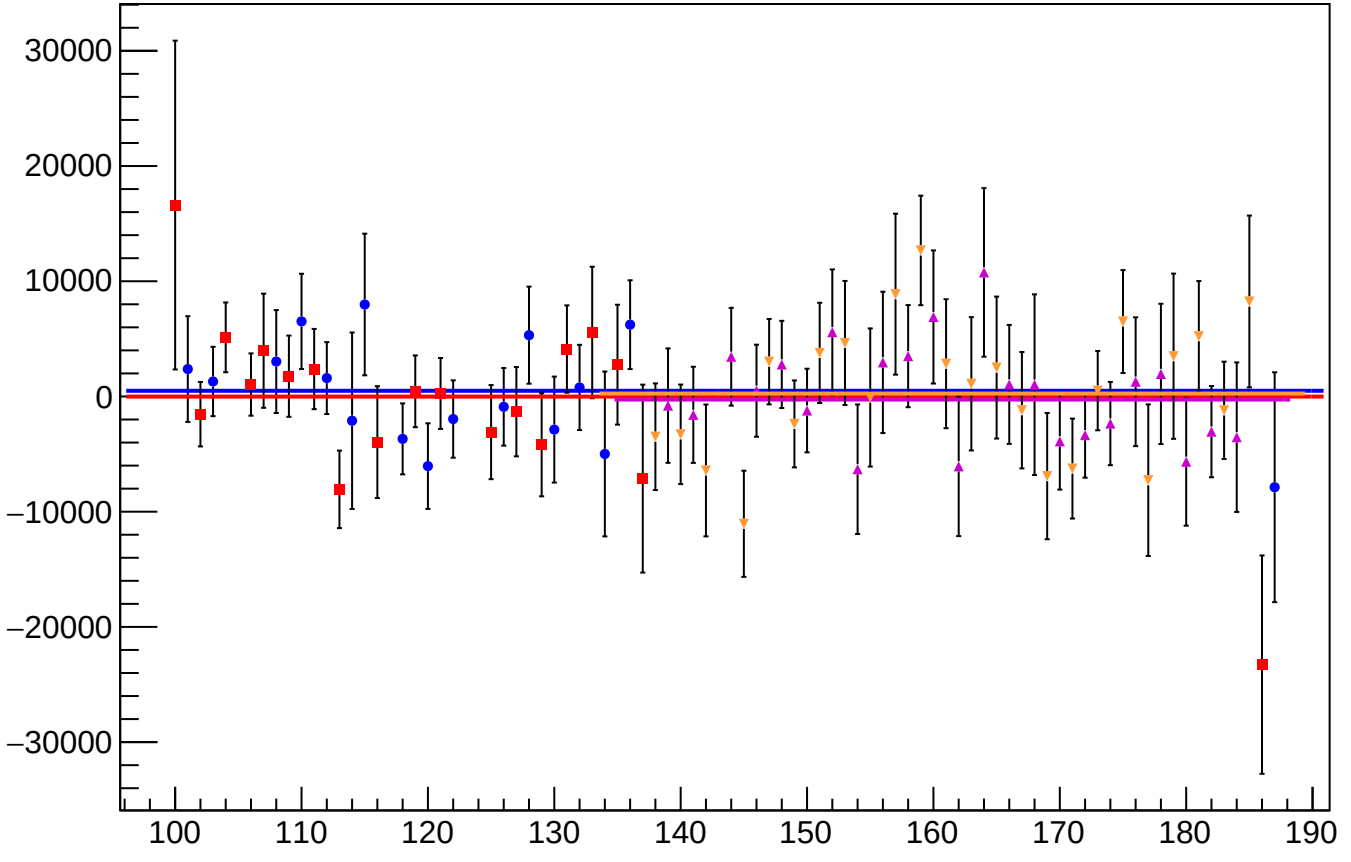
Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1071.785+/-0.152 χ^2/NDF: 1972309.0/40

All: 1068.166+/-0.107 χ^2/NDF: 3794484.5/82

- sign 1064.599+/-0.151 χ^2/NDF: 1821047.1/41

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 493.669+/-980.119 χ^2/NDF: 15.4/16

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

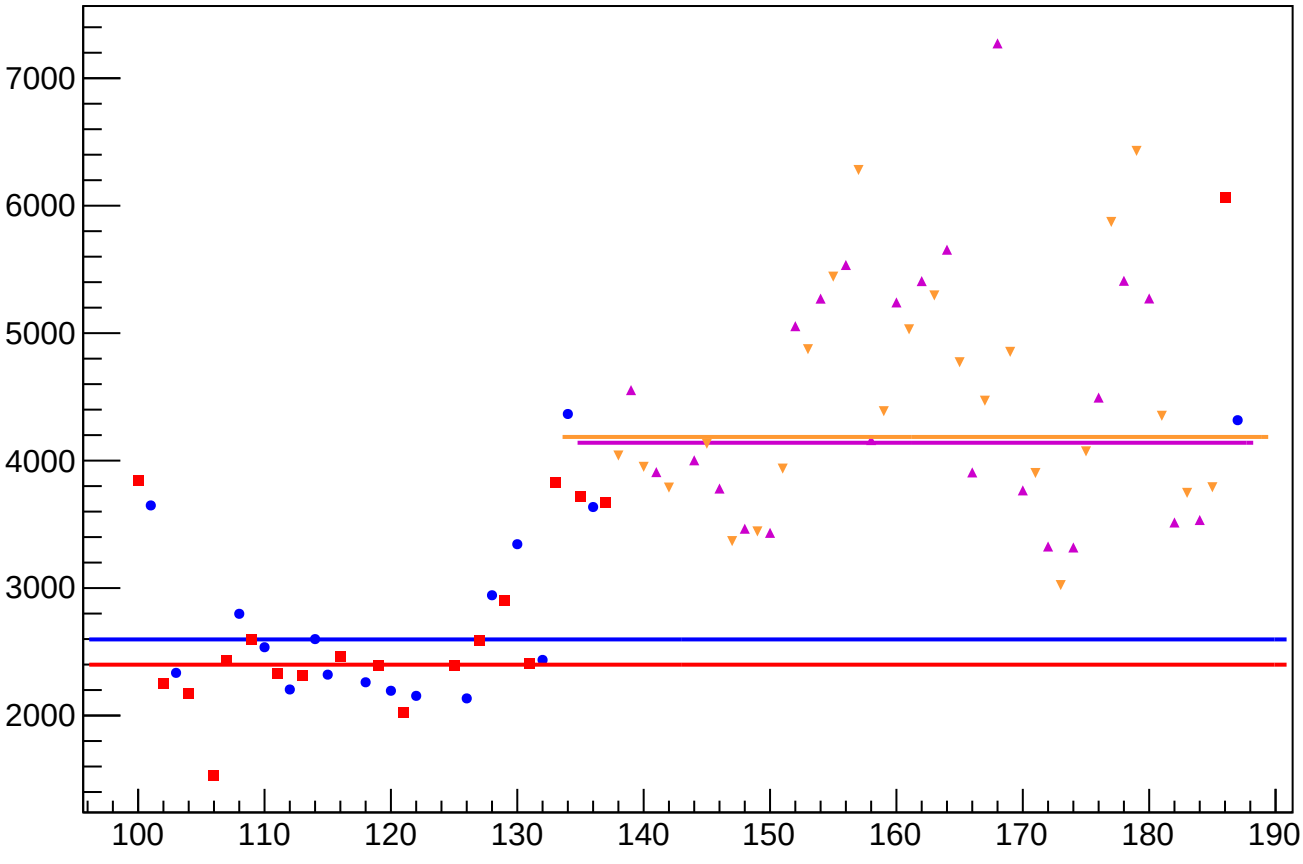
Right Out: -9.180+/-890.165 χ^2/NDF: 23.3/18

Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 375.070+/-698.303 χ^2/NDF: 45.1/40

All: 112.164+/-480.410 χ^2/NDF: 82.1/82

- sign -124.086+/-661.957 χ^2/NDF: 36.7/41



Right In: 2597.139+/-0.693 χ^2/NDF: 677219.7/16

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

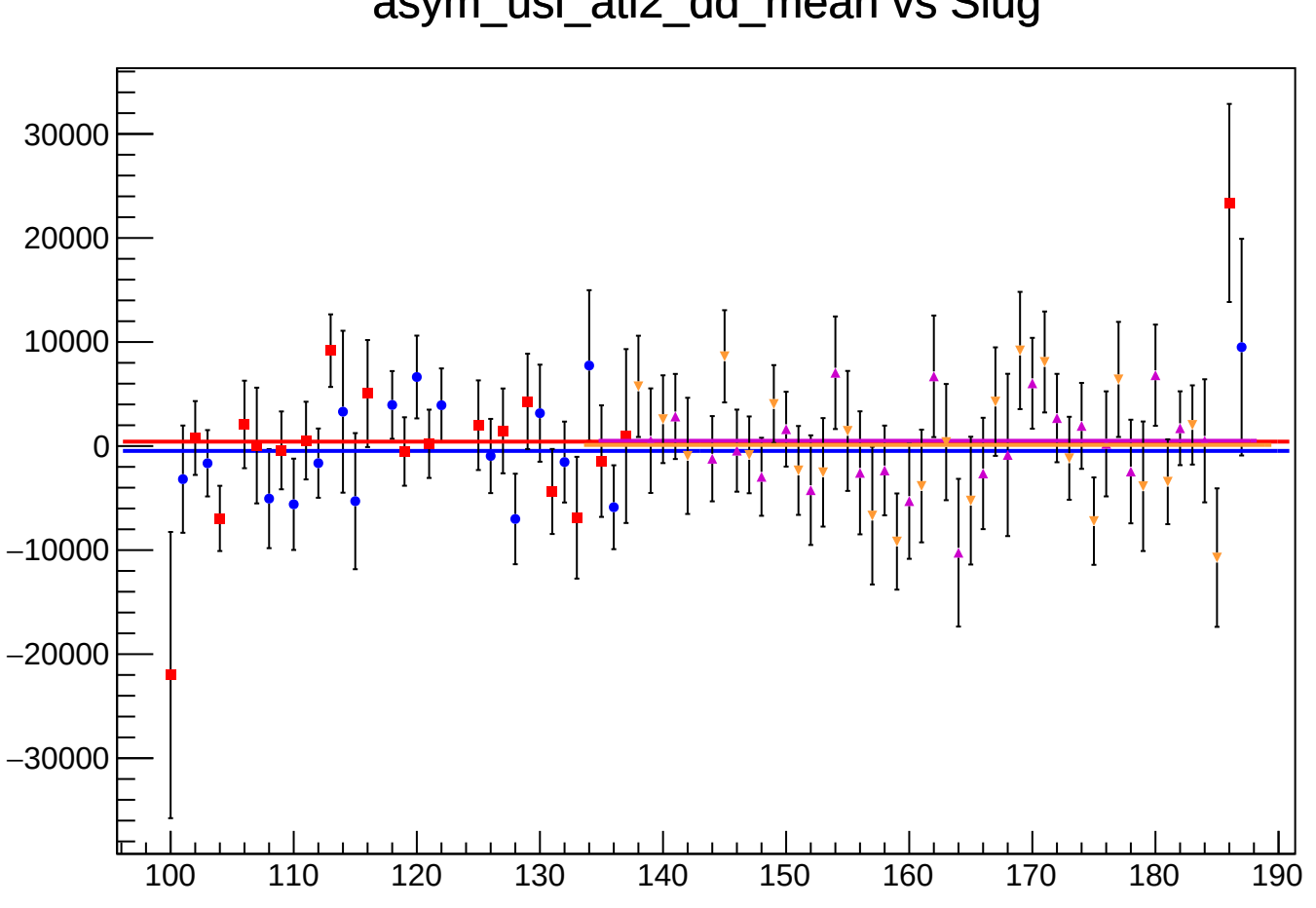
Right Out: 2399.038+/-0.629 χ^2/NDF: 913572.9/18

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3379.313+/-0.494 χ^2/NDF: 4535309.2/40

All: 3272.906+/-0.340 χ^2/NDF: 10406866.1/8

- sign 3177.288+/-0.468 χ^2/NDF: 5783387.9/41



Right In: -466.541+/-1035.160 χ^2/NDF: 17.2/16

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 425.893+/-983.107 χ^2/NDF: 25.4/18

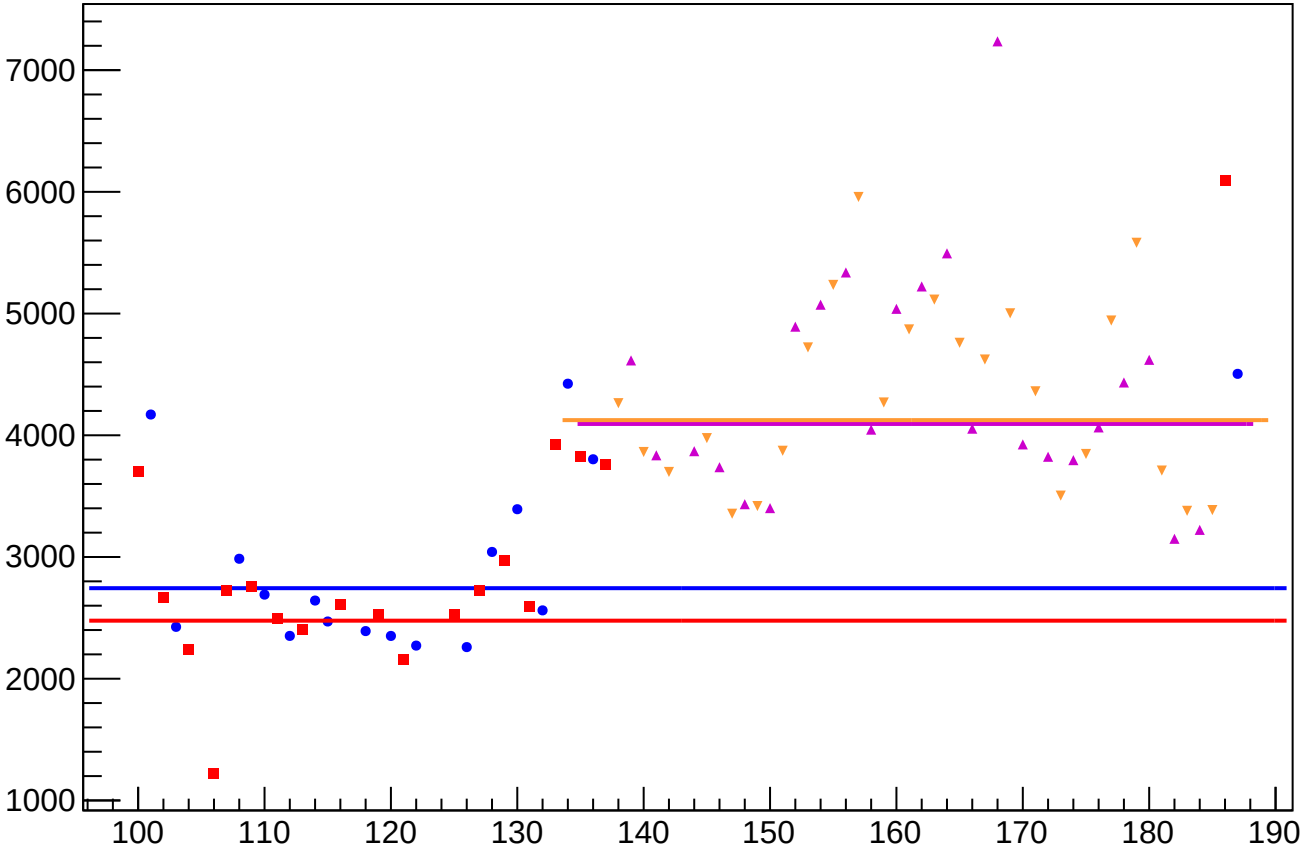
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign -161.755+/-709.975 χ^2/NDF: 45.4/40

All: 161.121+/-495.544 χ^2/NDF: 84.7/82

\- sign 467.838+/-691.981 χ^2/NDF: 38.9/41

asym_usl_atl2_dd_rms vs Slug



Right In: 2743.810+/-0.732 χ^2/NDF: 680856.7/16

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

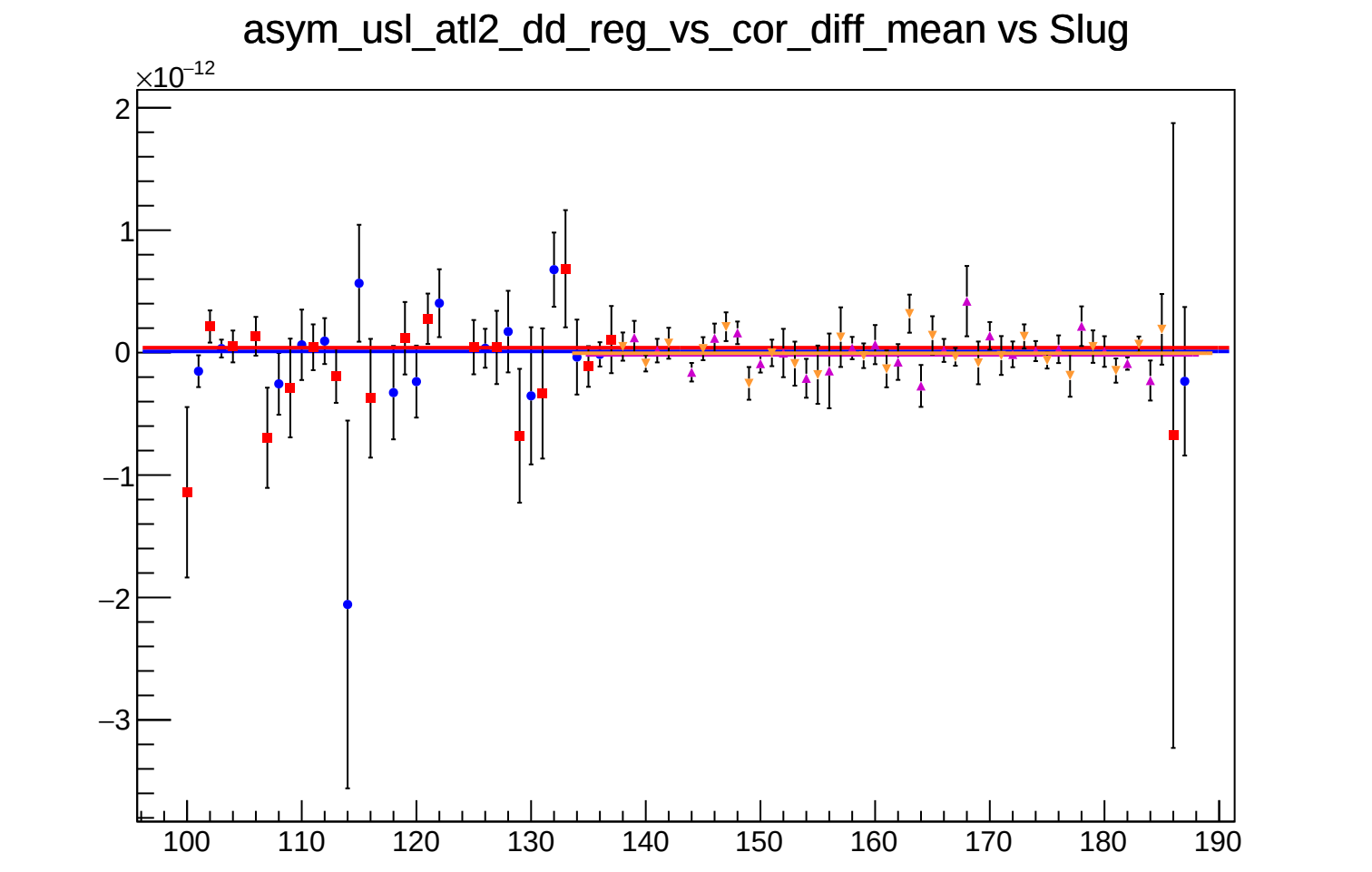
Right Out: 2476.894+/-0.664 χ^2/NDF: 1183077.5/18

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3475.008+/-0.502 χ^2/NDF: 3535054.2/40

All: 3359.566+/-0.346 χ^2/NDF: 8836468.7/82

- sign 3254.935+/-0.478 χ^2/NDF: 5200611.5/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

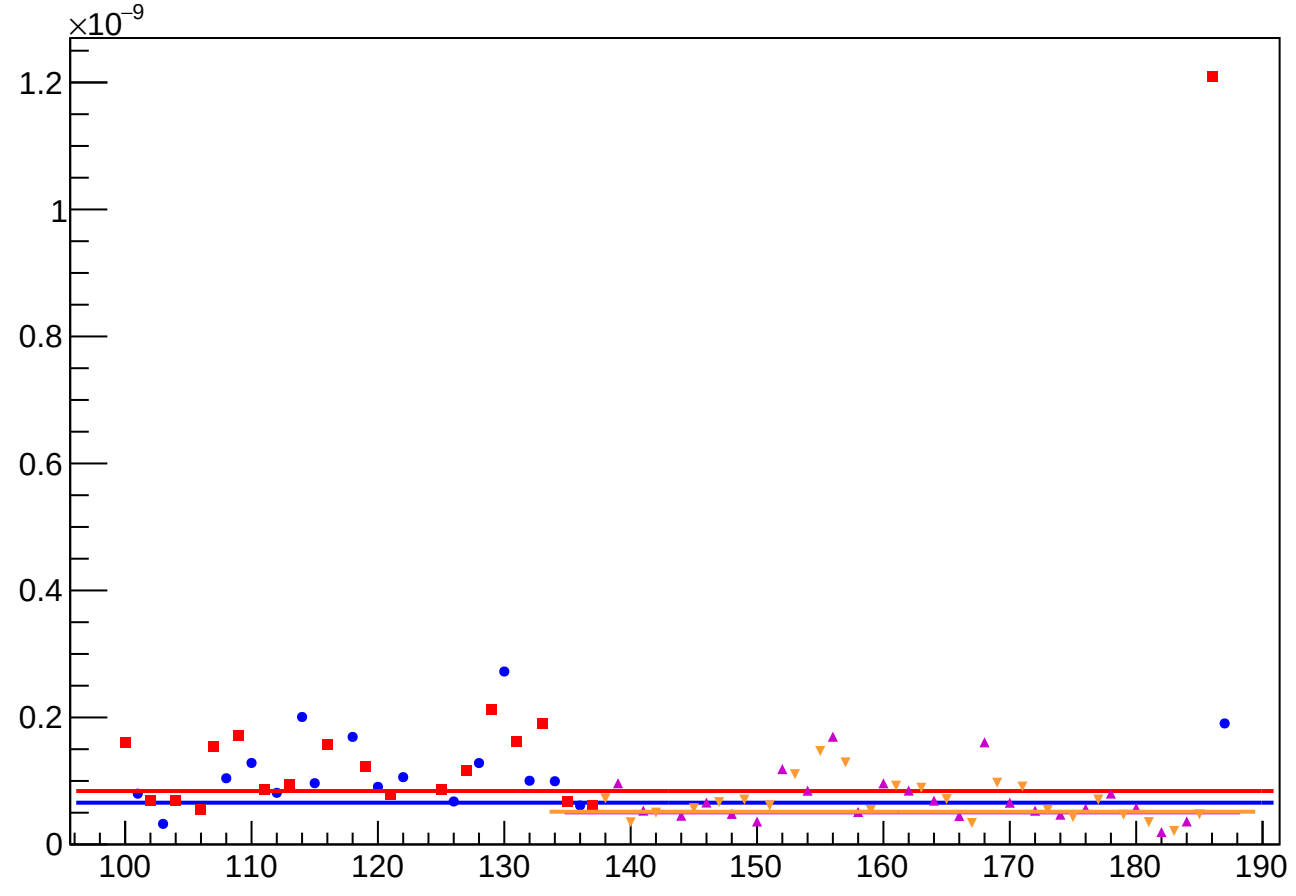
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.8/40

All: -0.000+/-0.000 χ^2/NDF: 83.6/82

- sign -0.000+/-0.000 χ^2/NDF: 43.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 1307737.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1080056.6/18

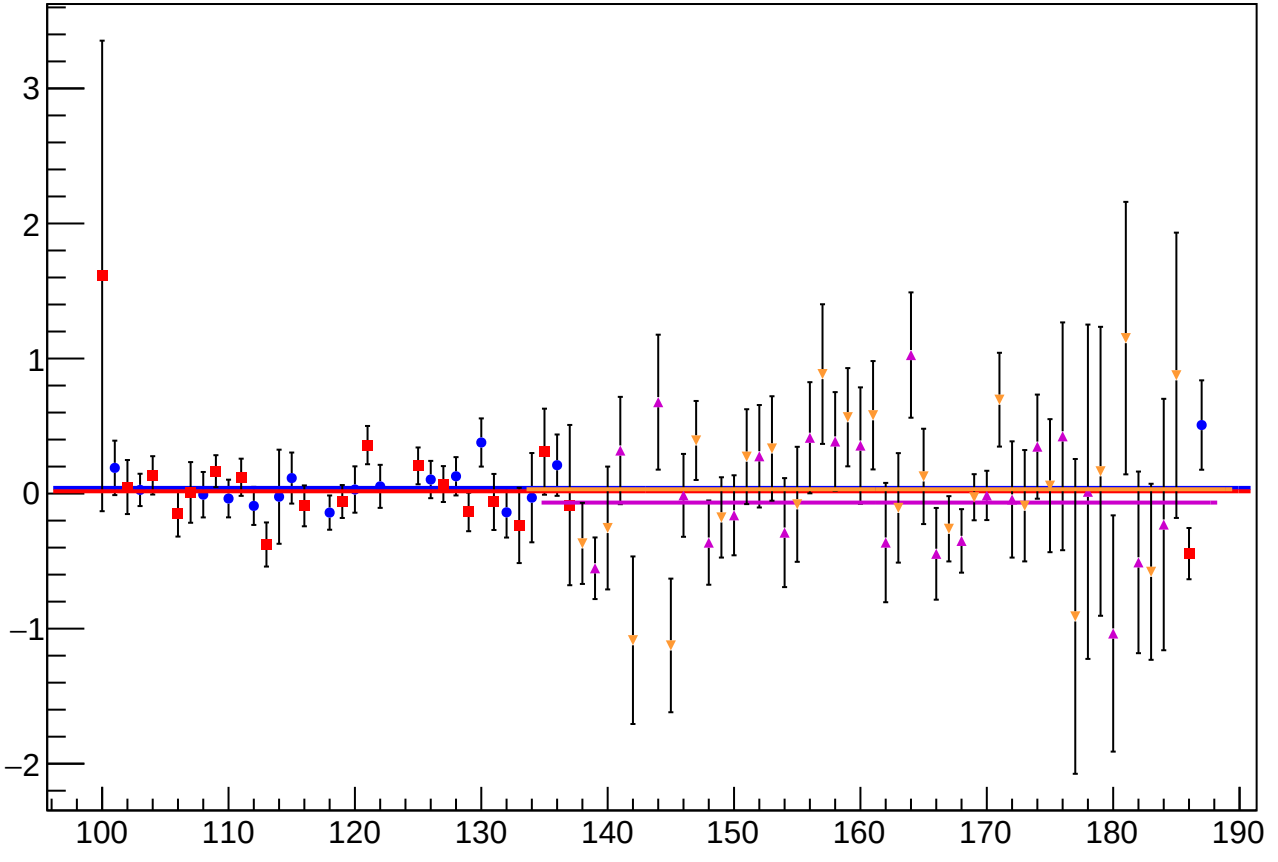
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 3743676.0/40

All: 0.000+/-0.000 χ^2/NDF: 7938799.1/82

- sign 0.000+/-0.000 χ^2/NDF: 4192907.8/41

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.017+/-0.038 χ^2/NDF: 28.2/18

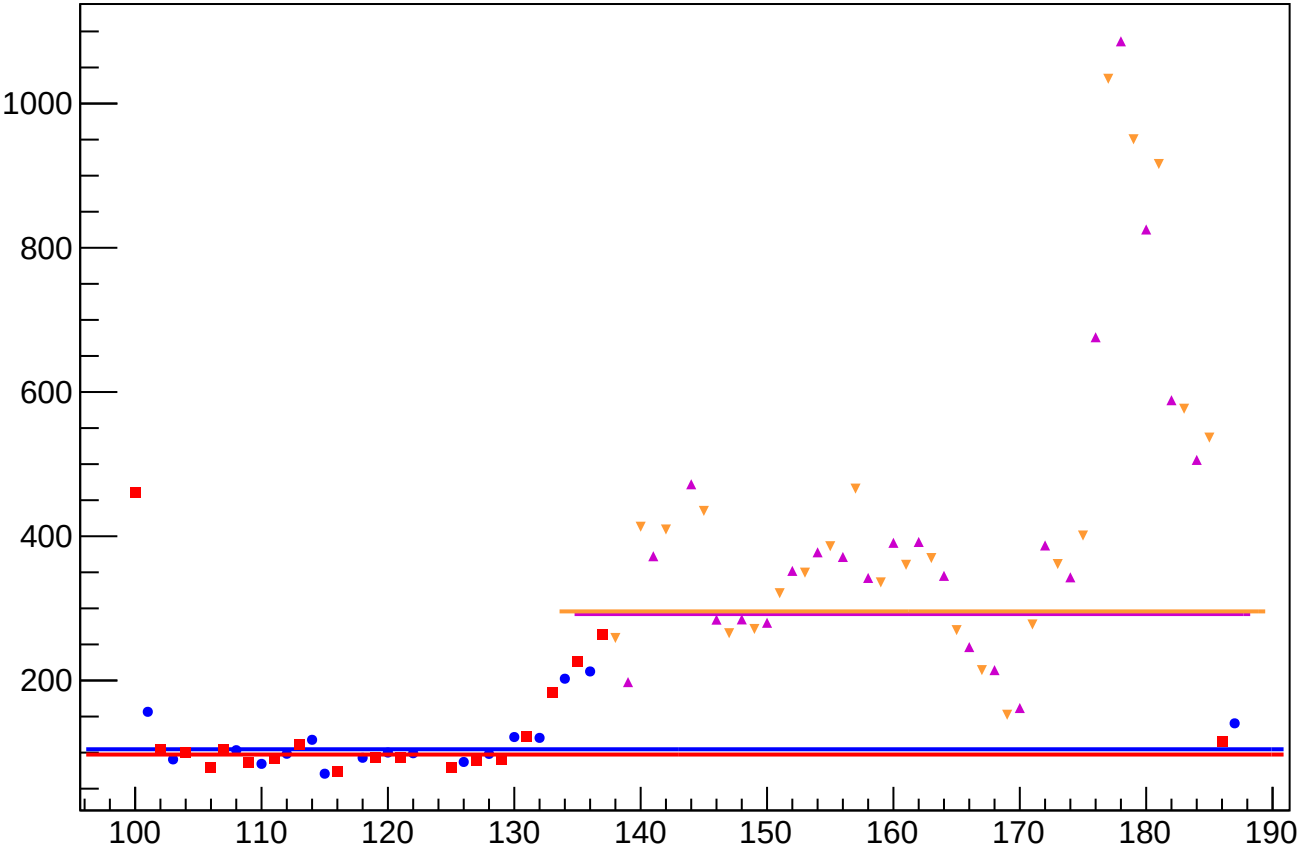
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.040+/-0.036 χ^2/NDF: 41.5/40

All: 0.019+/-0.025 χ^2/NDF: 97.0/82

- sign -0.000+/-0.034 χ^2/NDF: 54.9/41

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 104.651+/-0.029 χ^2/NDF: 1013802.0/16

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

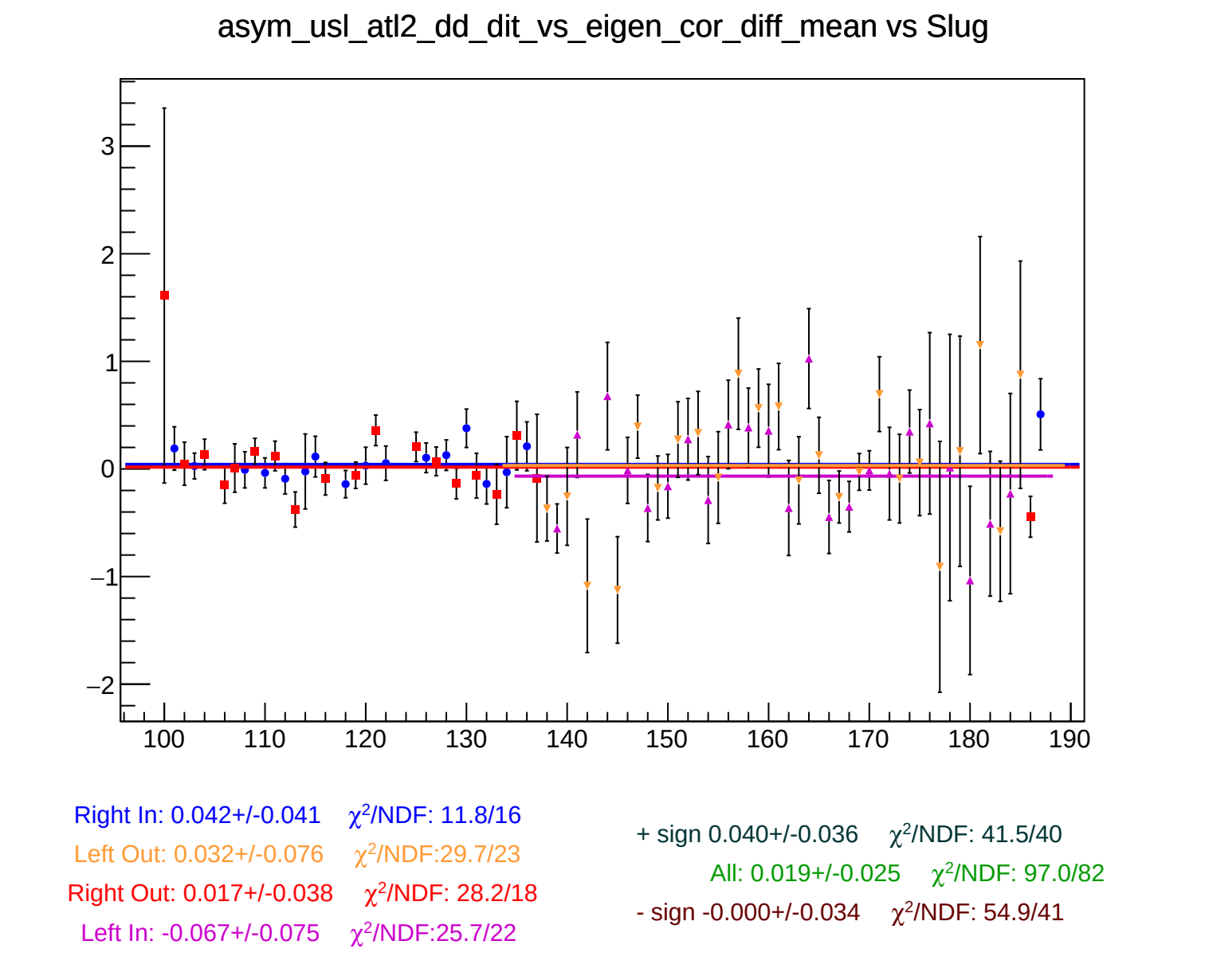
Right Out: 97.326+/-0.027 χ^2/NDF: 974314.7/18

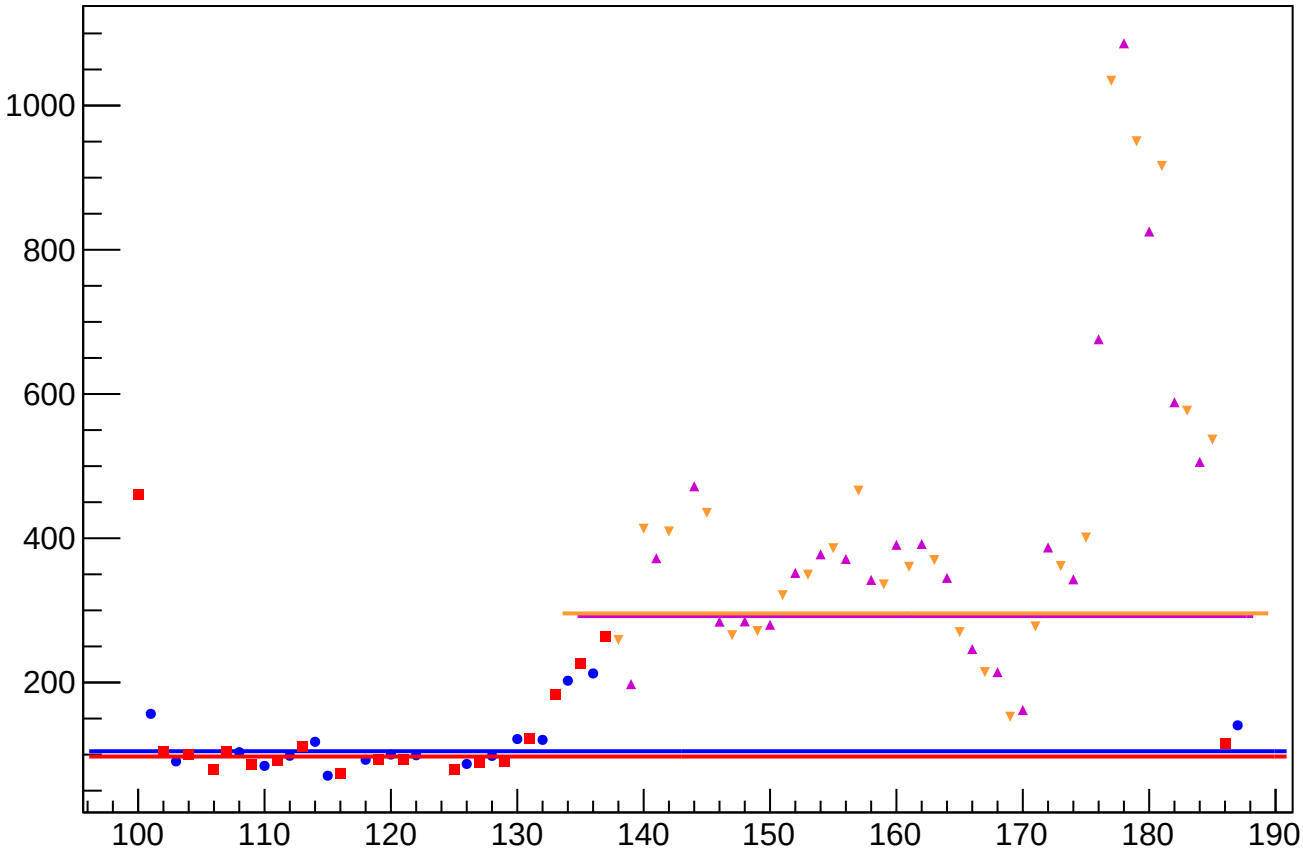
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.279+/-0.025 χ^2/NDF: 16343539.7/40

All: 142.133+/-0.017 χ^2/NDF: 33236199.2/82

- sign 137.529+/-0.024 χ^2/NDF: 16814763.7/41


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.042+/-0.041 χ²/NDF: 11.8/16
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.017+/-0.038 χ²/NDF: 28.2/18
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.040+/-0.036 χ²/NDF: 41.5/40
All: 0.019+/-0.025 χ²/NDF: 97.0/82
- sign -0.000+/-0.034 χ²/NDF: 54.9/41



Right In: 104.651+/-0.029 χ^2/NDF: 1013802.0/16

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

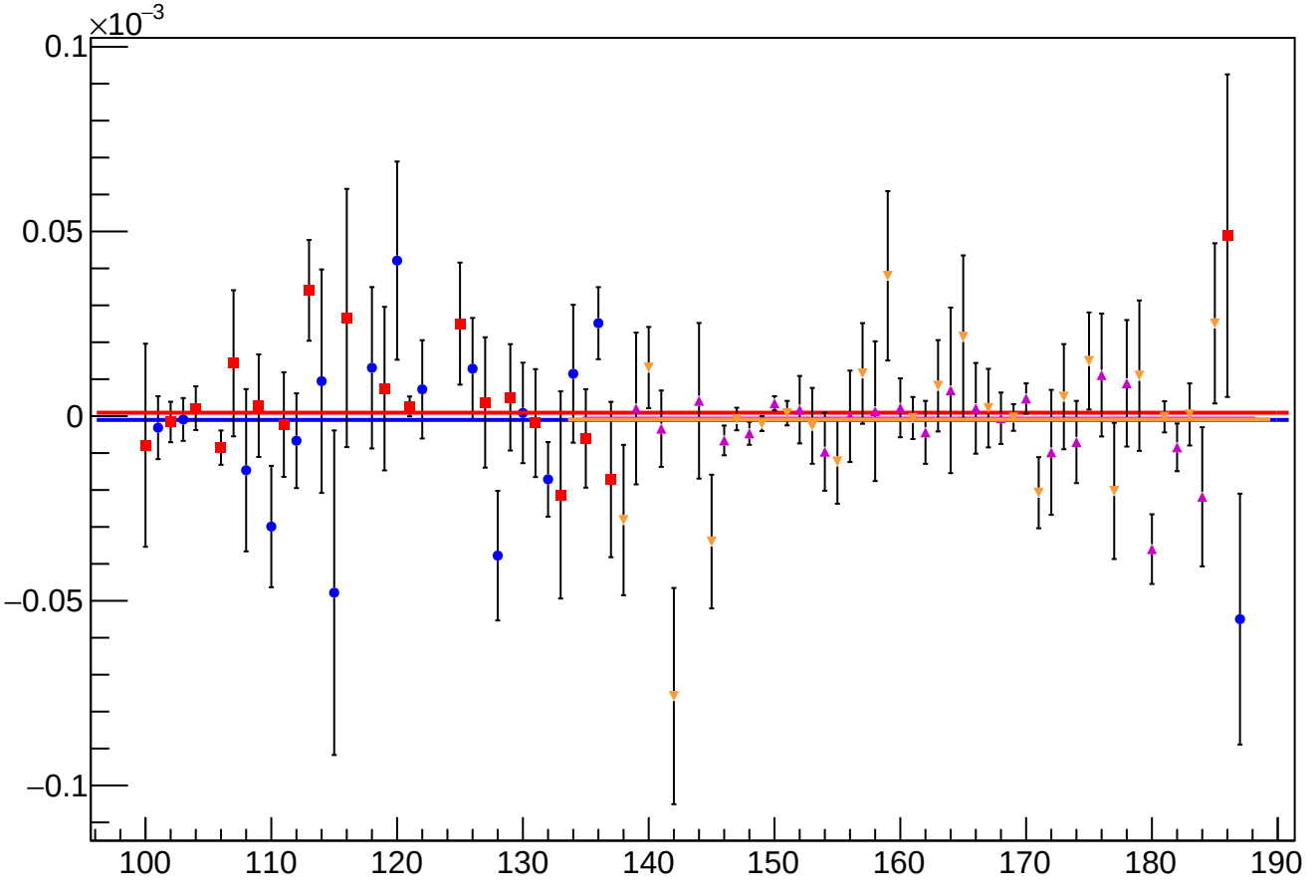
Right Out: 97.326+/-0.027 χ^2/NDF: 974314.7/18

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.279+/-0.025 χ^2/NDF: 16343539.7/40

All: 142.133+/-0.017 χ^2/NDF: 33236199.2/82

- sign 137.529+/-0.024 χ^2/NDF: 16814763.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

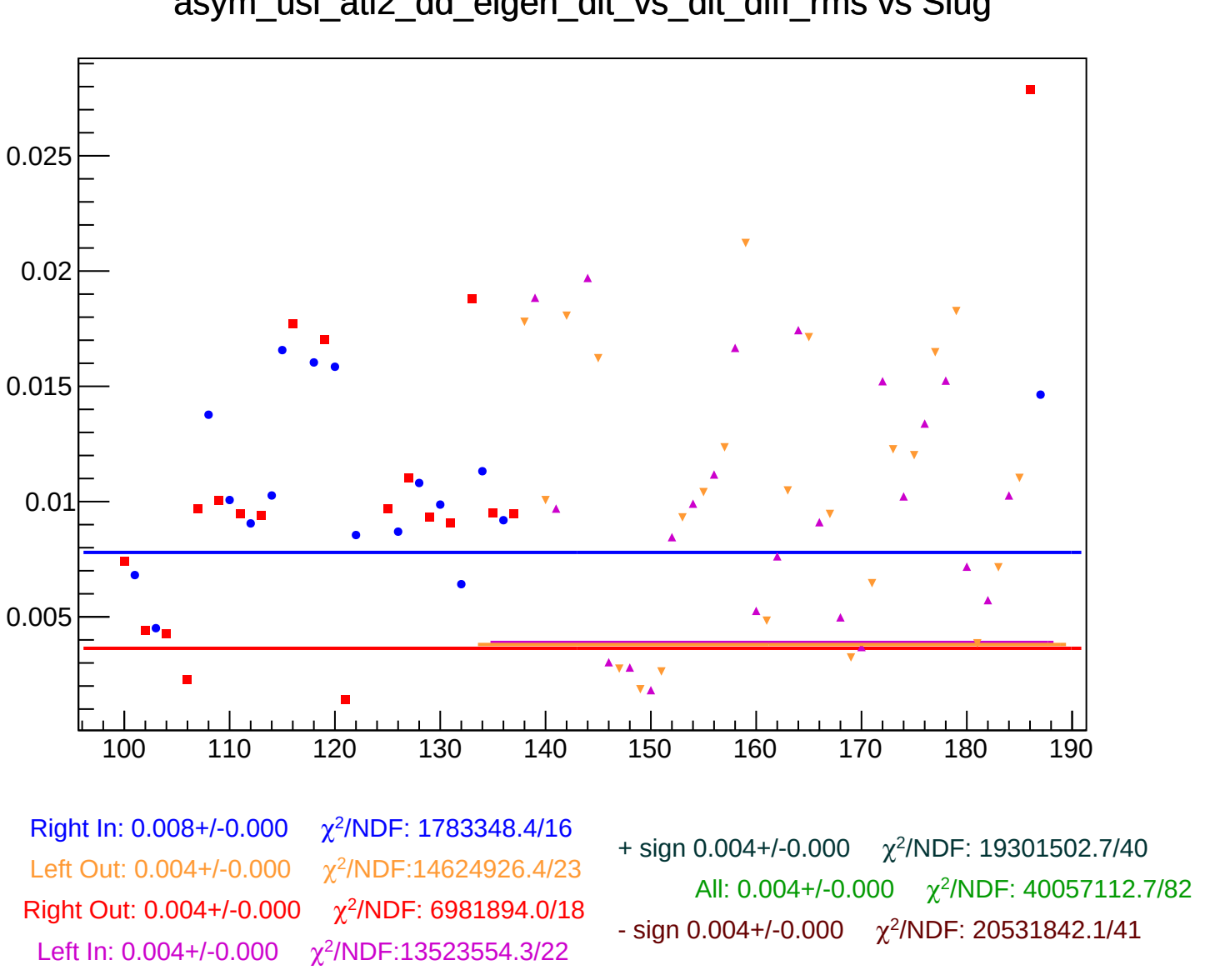
Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

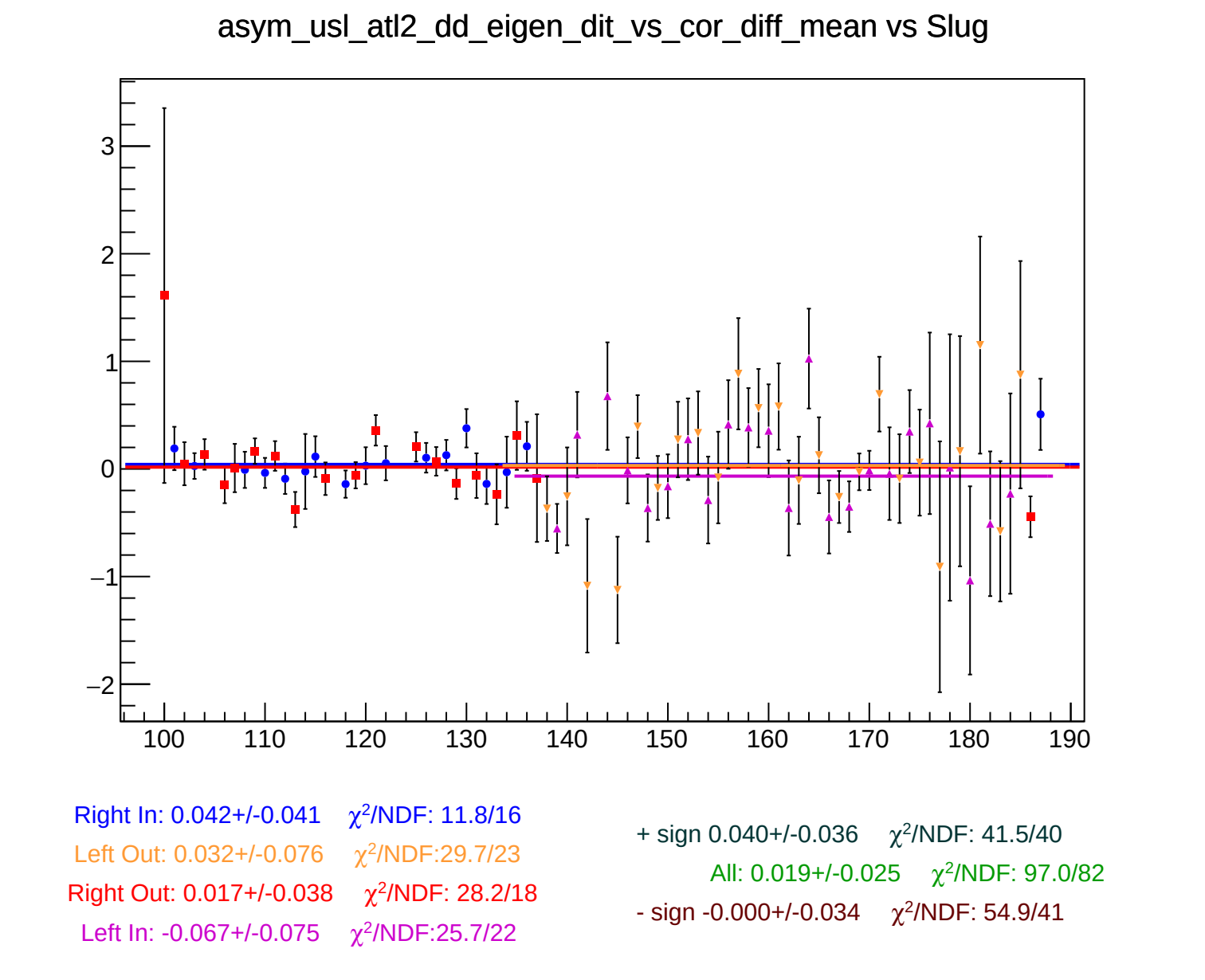
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

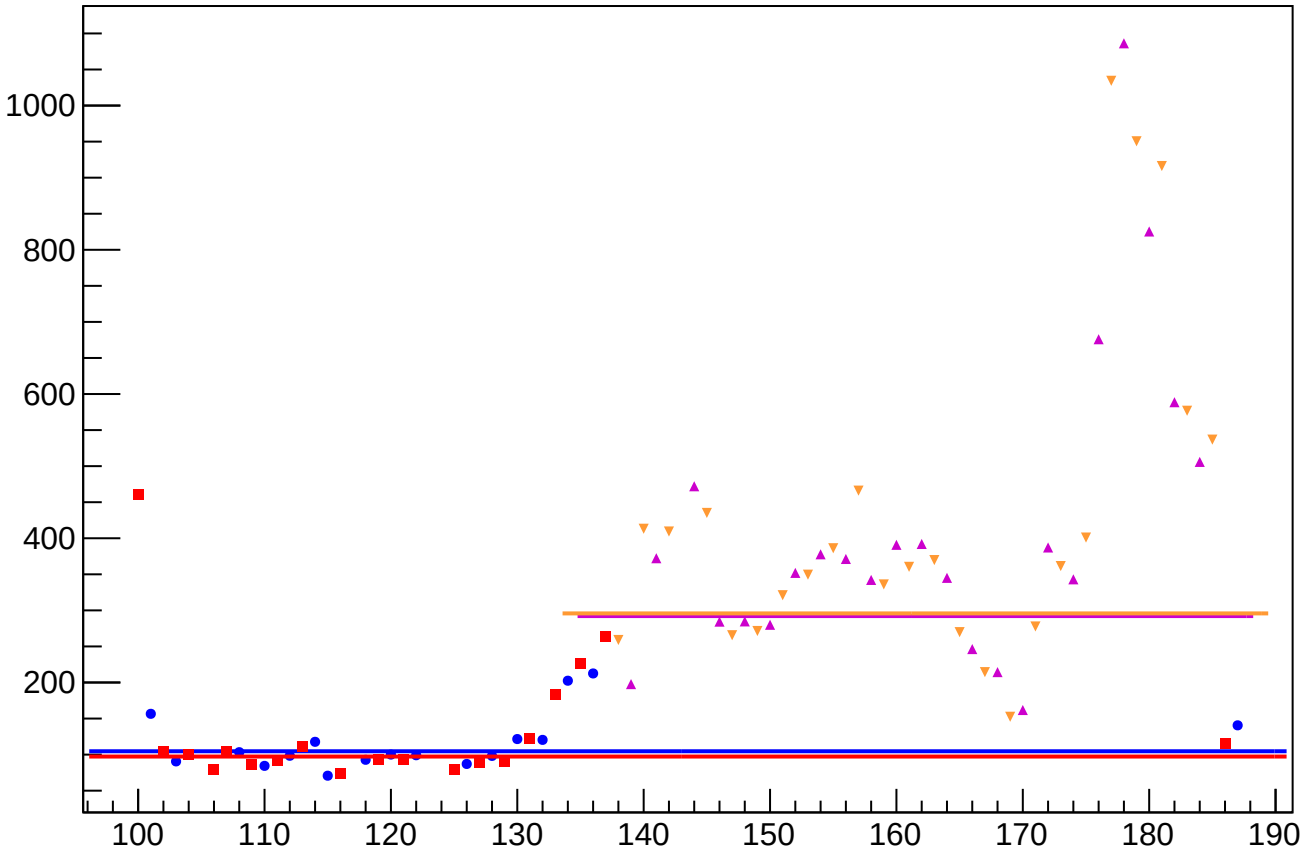
+ sign -0.000+/-0.000 χ^2/NDF: 55.6/40

All: -0.000+/-0.000 χ^2/NDF: 103.2/82

- sign -0.000+/-0.000 χ^2/NDF: 47.4/41


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 1783348.4/16
Left Out: 0.004+/-0.000 χ²/NDF:14624926.4/23
Right Out: 0.004+/-0.000 χ²/NDF: 6981894.0/18
Left In: 0.004+/-0.000 χ²/NDF:13523554.3/22
+ sign 0.004+/-0.000 χ²/NDF: 19301502.7/40
All: 0.004+/-0.000 χ²/NDF: 40057112.7/82
- sign 0.004+/-0.000 χ²/NDF: 20531842.1/41


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.042+/-0.041 χ²/NDF: 11.8/16
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.017+/-0.038 χ²/NDF: 28.2/18
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.040+/-0.036 χ²/NDF: 41.5/40
All: 0.019+/-0.025 χ²/NDF: 97.0/82
- sign -0.000+/-0.034 χ²/NDF: 54.9/41



Right In: 104.652+/-0.029 χ^2/NDF: 1013759.0/16

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

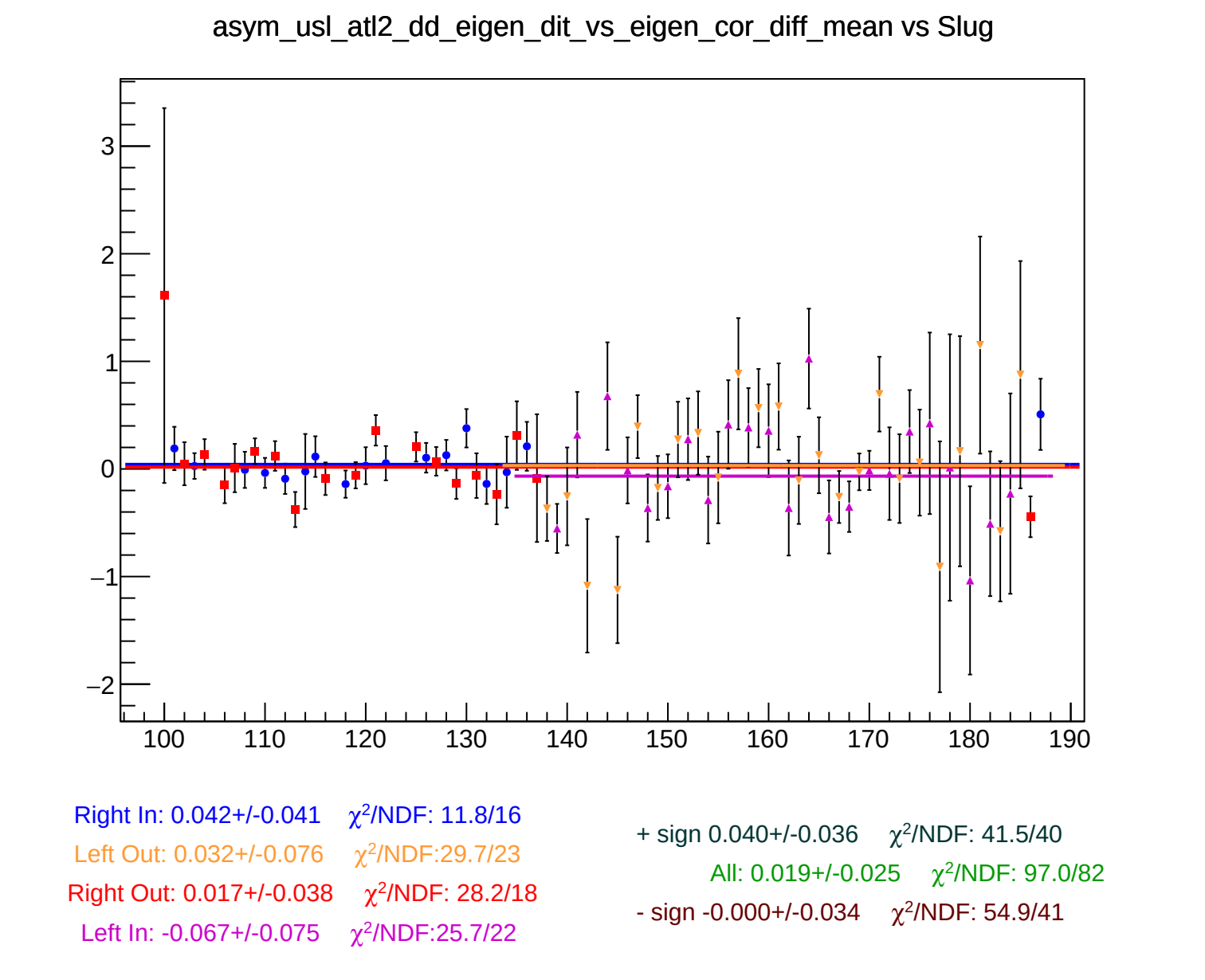
Right Out: 97.327+/-0.027 χ^2/NDF: 974211.2/18

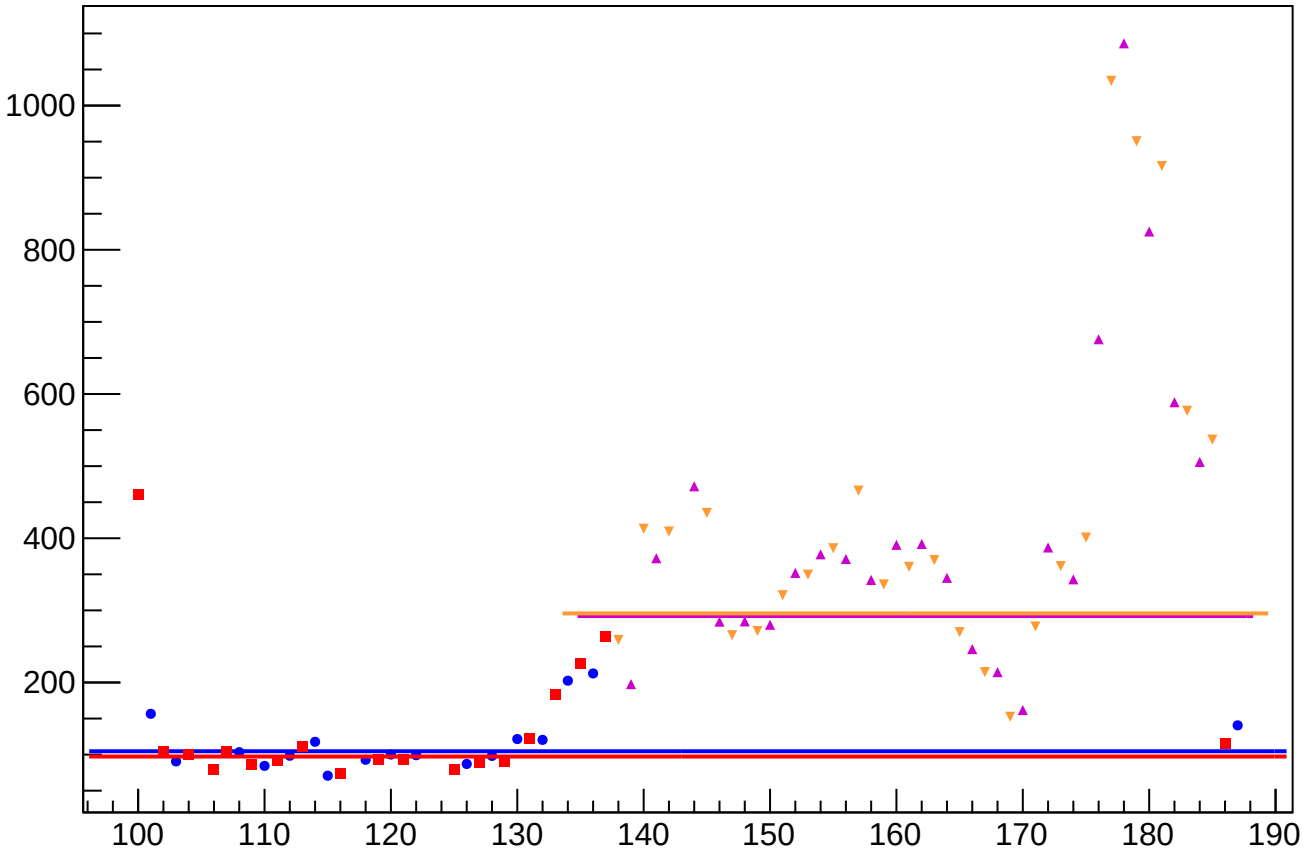
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.280+/-0.025 χ^2/NDF: 16343516.3/40

All: 142.134+/-0.017 χ^2/NDF: 33236122.7/82

- sign 137.530+/-0.024 χ^2/NDF: 16814706.8/41


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.042+/-0.041 χ²/NDF: 11.8/16
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.017+/-0.038 χ²/NDF: 28.2/18
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.040+/-0.036 χ²/NDF: 41.5/40
All: 0.019+/-0.025 χ²/NDF: 97.0/82
- sign -0.000+/-0.034 χ²/NDF: 54.9/41



Right In: 104.652+/-0.029 χ^2/NDF: 1013759.0/16

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

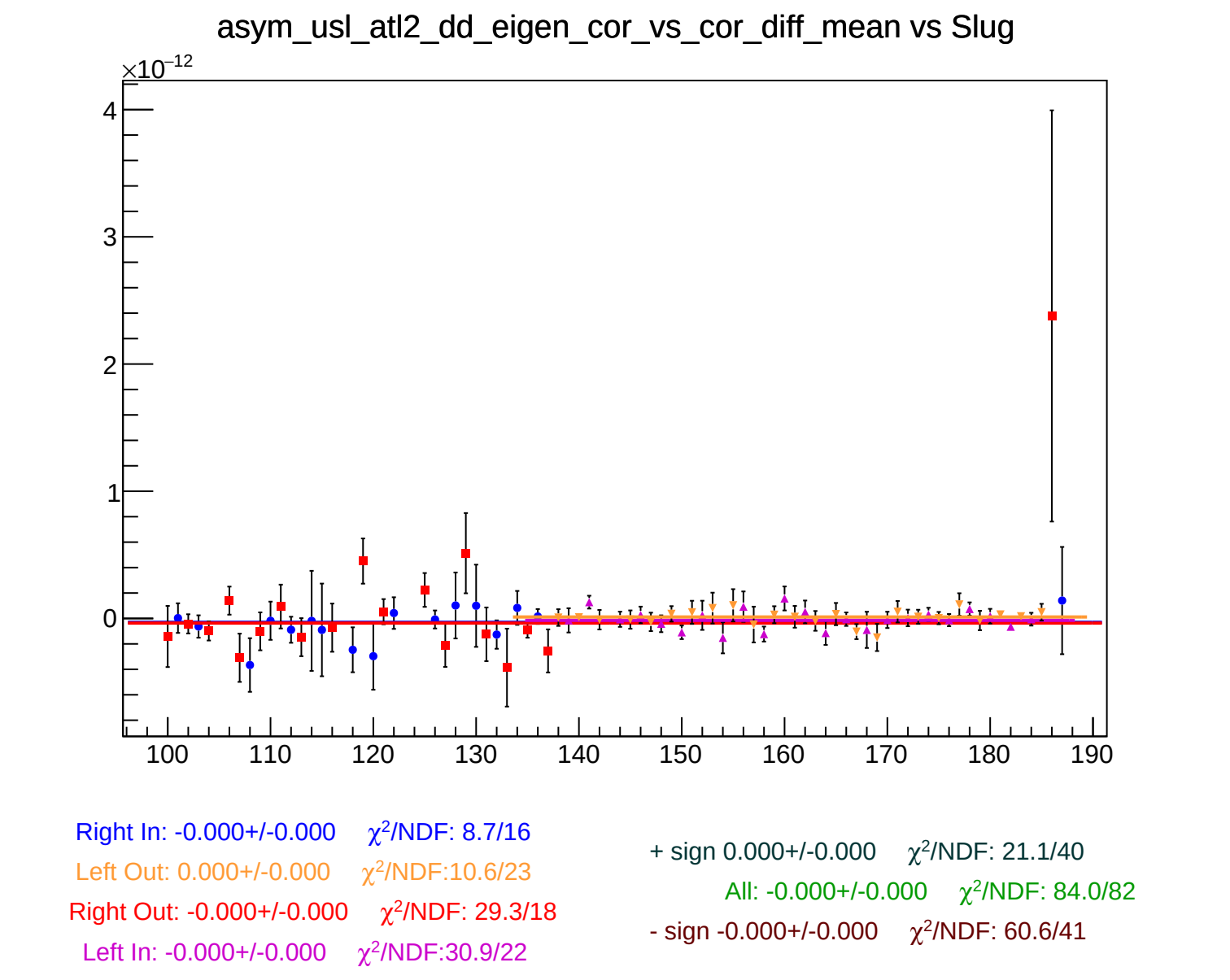
Right Out: 97.327+/-0.027 χ^2/NDF: 974211.2/18

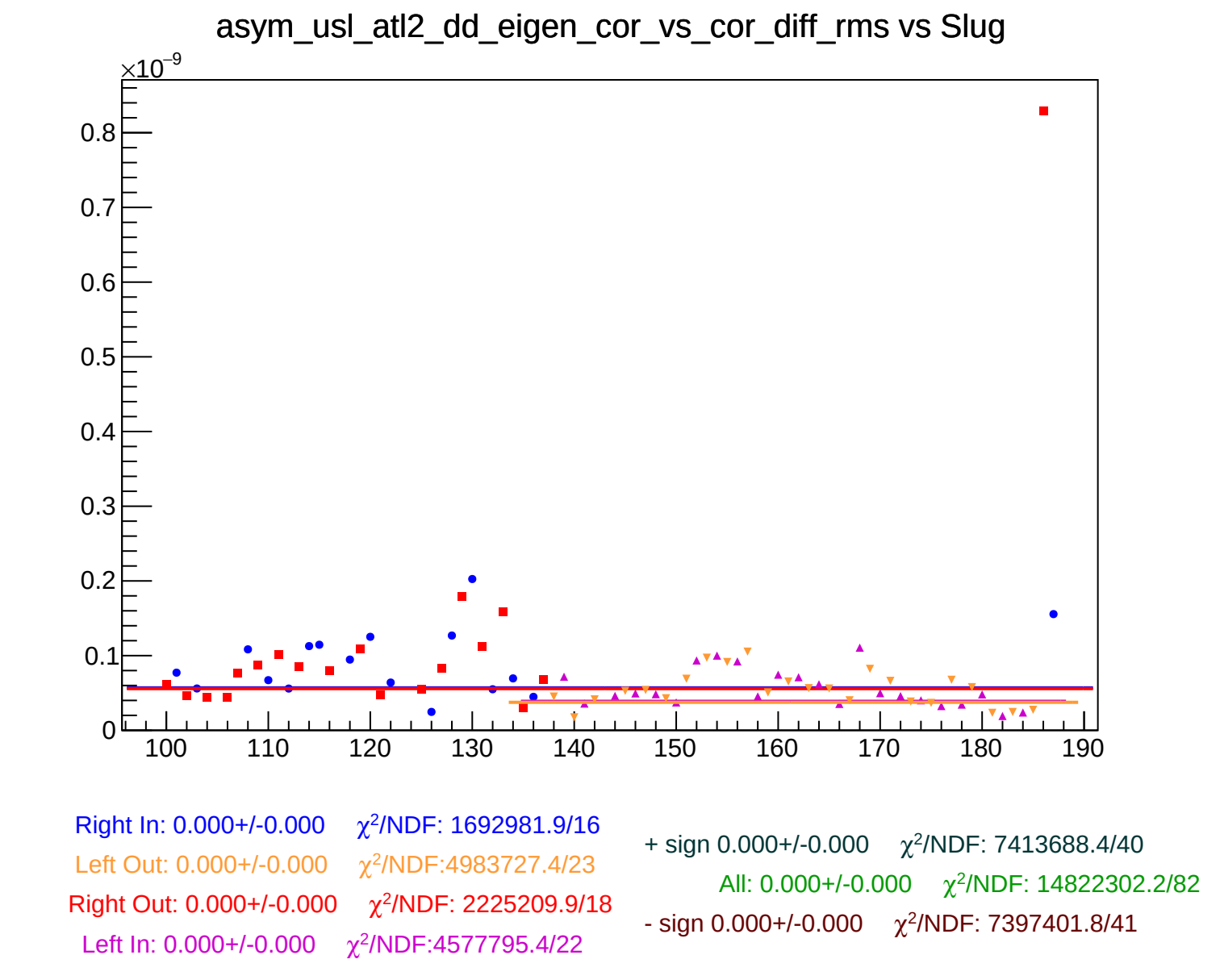
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

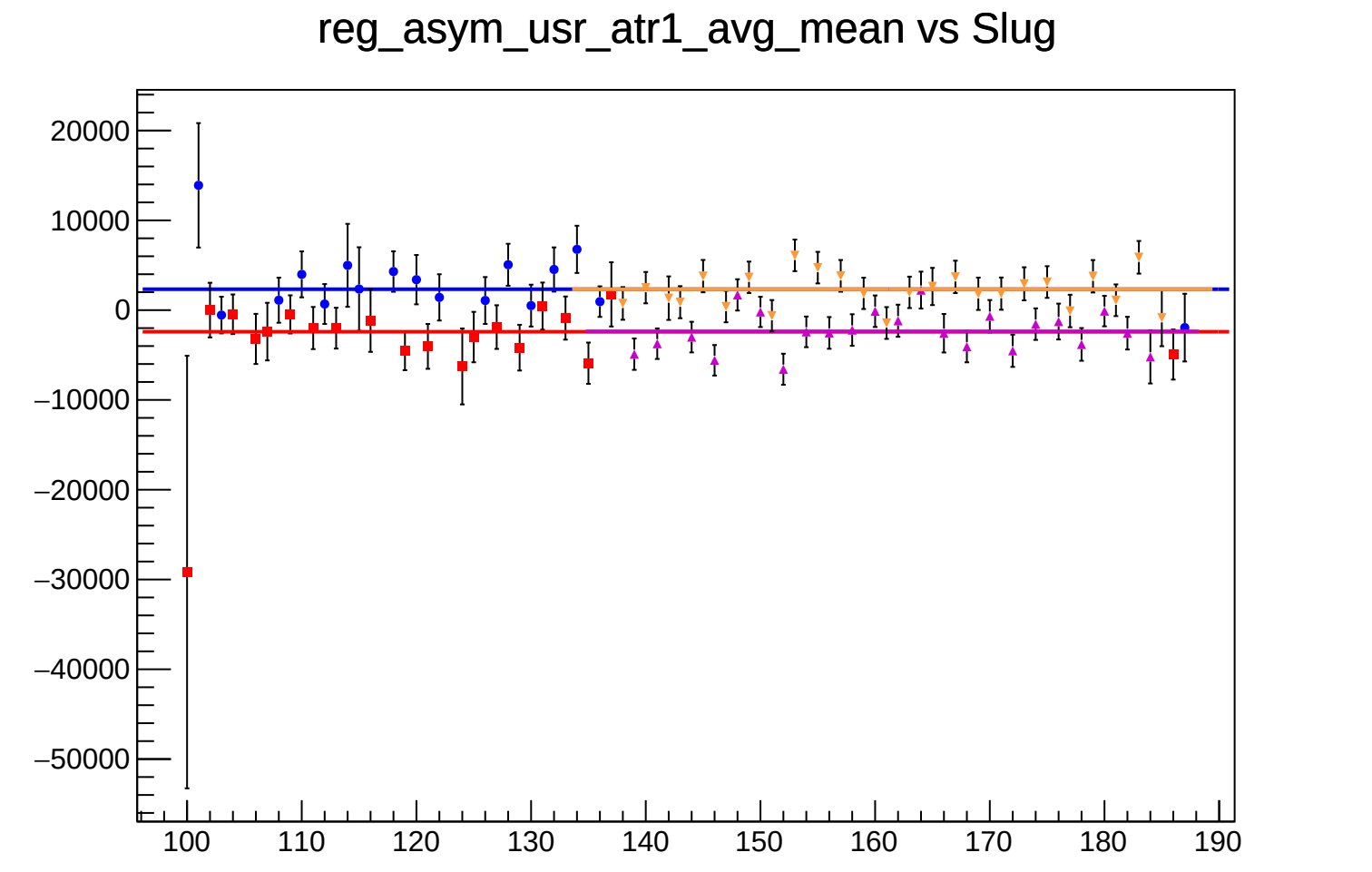
+ sign 147.280+/-0.025 χ^2/NDF: 16343516.3/40

All: 142.134+/-0.017 χ^2/NDF: 33236122.7/82

- sign 137.530+/-0.024 χ^2/NDF: 16814706.8/41


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.7/16
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 29.3/18
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 21.1/40
All: -0.000+/-0.000 χ²/NDF: 84.0/82
- sign -0.000+/-0.000 χ²/NDF: 60.6/41


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1692981.9/16
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 2225209.9/18
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 7413688.4/40
All: 0.000+/-0.000 χ²/NDF: 14822302.2/82
- sign 0.000+/-0.000 χ²/NDF: 7397401.8/41



Right In: 2330.373+/-621.603 χ^2/NDF: 15.2/16

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2407.660+/-595.126 χ^2/NDF: 12.7/19

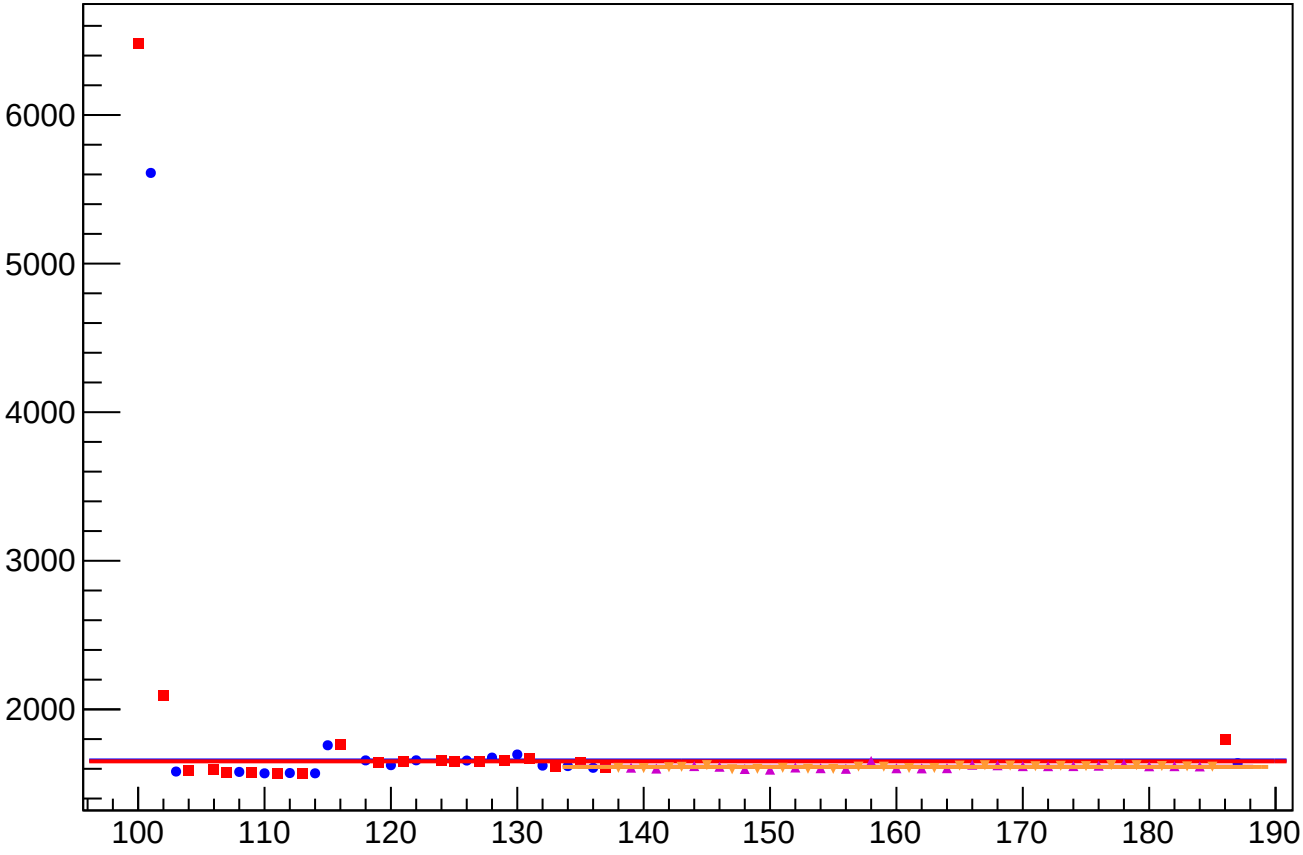
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2323.466+/-315.583 χ^2/NDF: 42.7/41

All: -8.314+/-224.124 χ^2/NDF: 199.3/84

- sign -2381.226+/-318.354 χ^2/NDF: 46.4/42

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.173+/-0.440 χ^2/NDF: 666274.3/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1650.290+/-0.421 χ^2/NDF: 142568.1/19

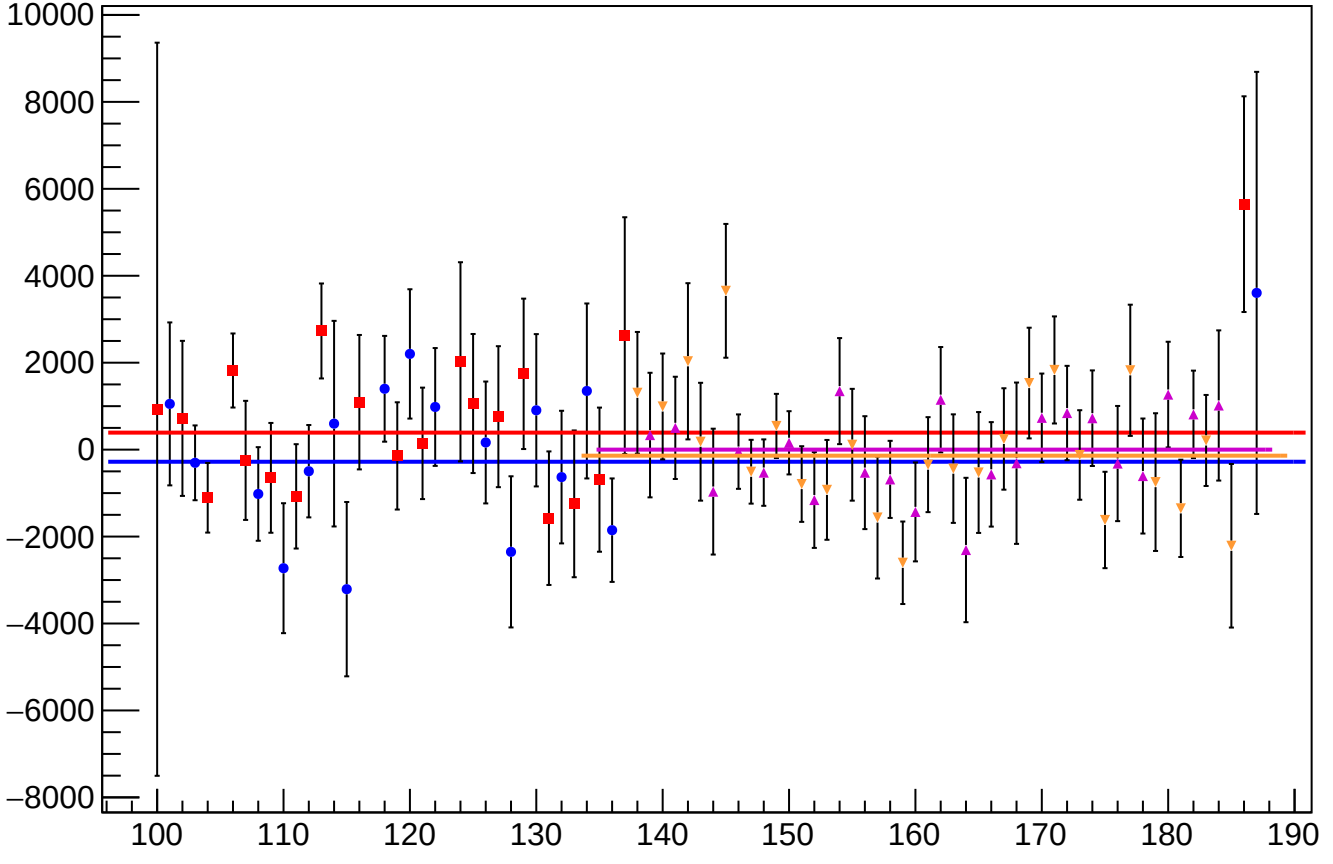
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.836+/-0.223 χ^2/NDF: 674738.9/41

All: 1624.035+/-0.158 χ^2/NDF: 825032.6/84

- sign 1624.237+/-0.225 χ^2/NDF: 150292.1/42

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -278.735+/-342.656 χ^2/NDF: 16.5/16

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 391.297+/-310.516 χ^2/NDF: 23.3/19

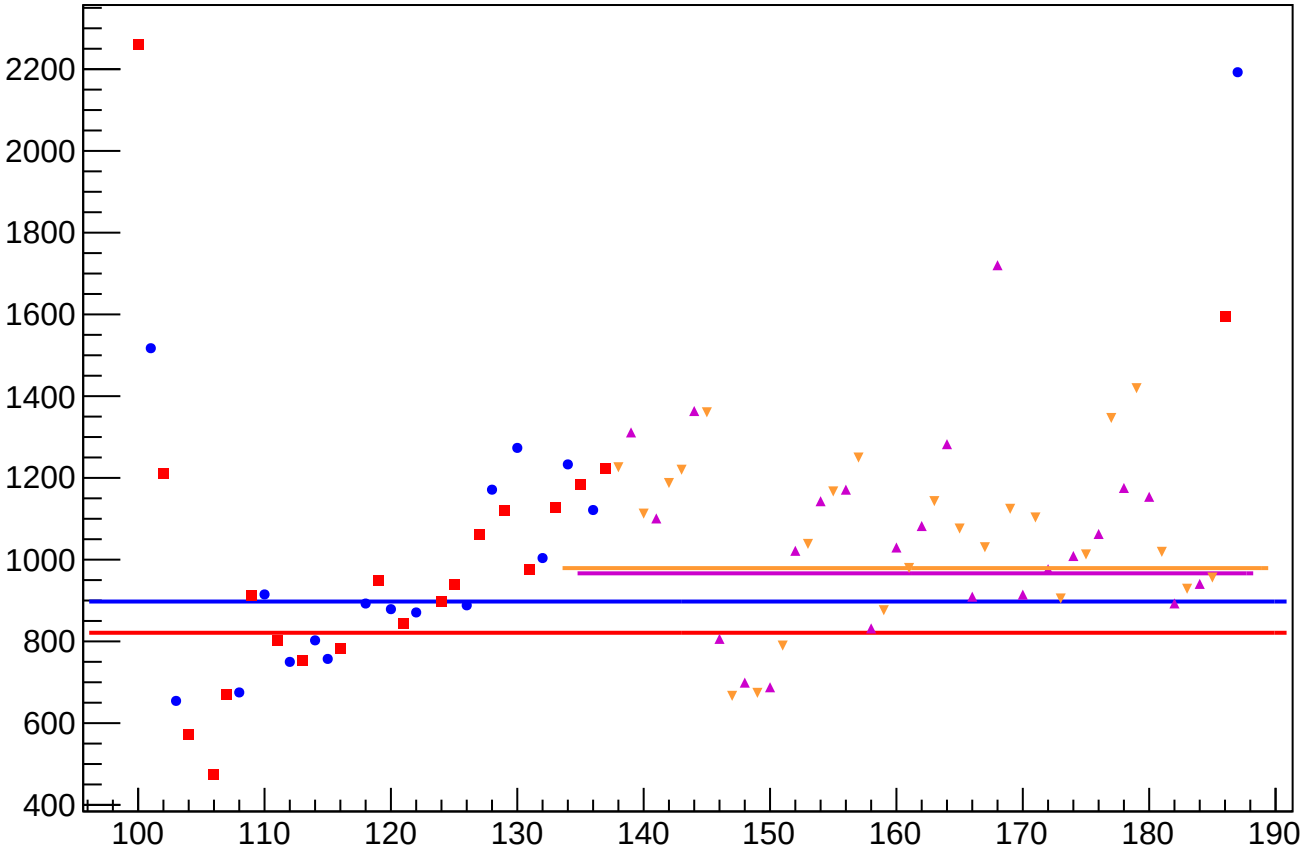
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -182.190+/-190.468 χ^2/NDF: 46.8/41

All: -17.019+/-133.002 χ^2/NDF: 85.4/84

- sign 140.164+/-185.805 χ^2/NDF: 37.1/42

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 897.540+/-0.242 χ^2/NDF: 924189.7/16

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 821.106+/-0.220 χ^2/NDF: 1280959.5/19

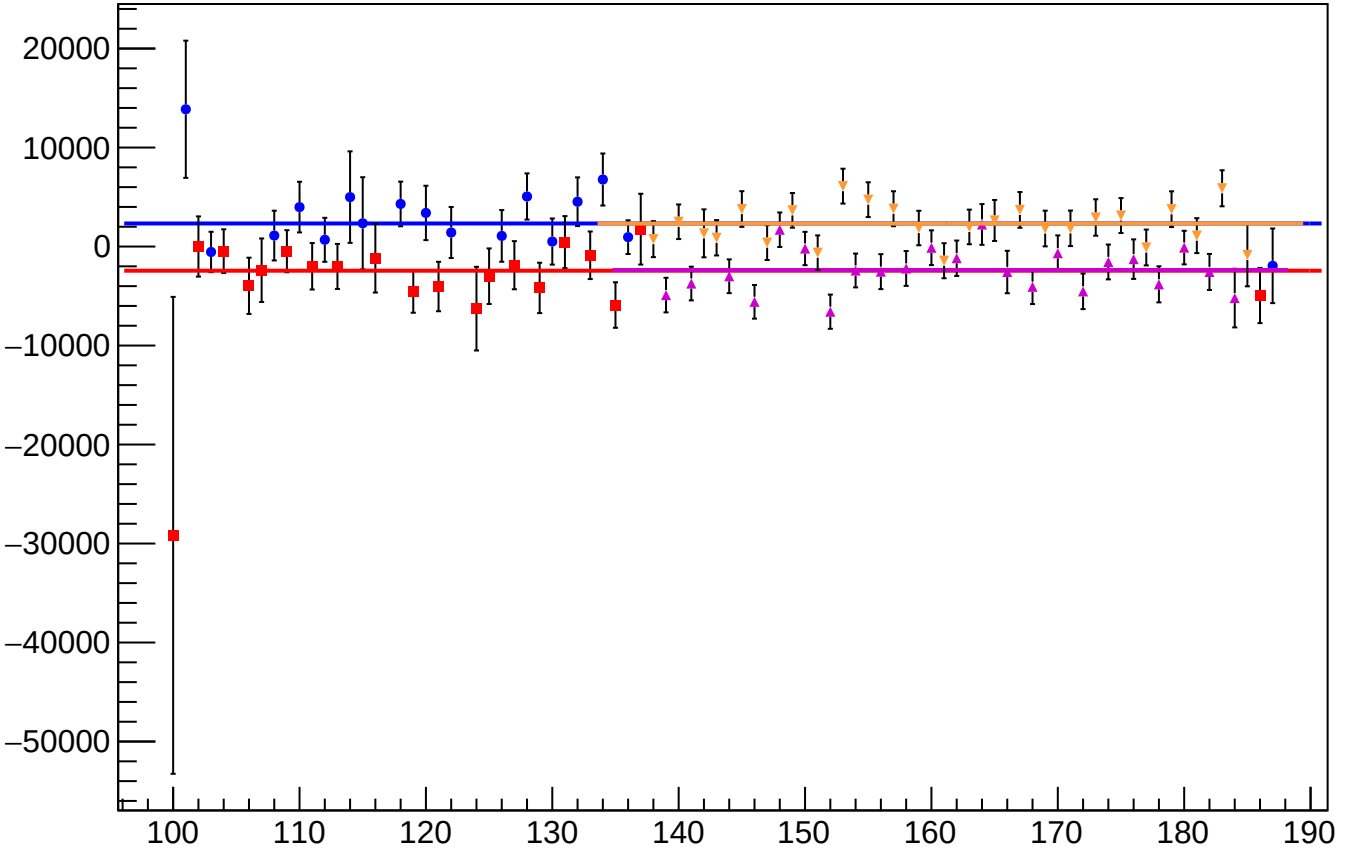
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 954.034+/-0.135 χ^2/NDF: 2633487.4/41

All: 933.756+/-0.094 χ^2/NDF: 5842873.5/84

- sign 914.458+/-0.131 χ^2/NDF: 3165142.4/42

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2329.842+/-621.603 χ^2/NDF: 15.1/16

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2440.294+/-595.593 χ^2/NDF: 12.9/19

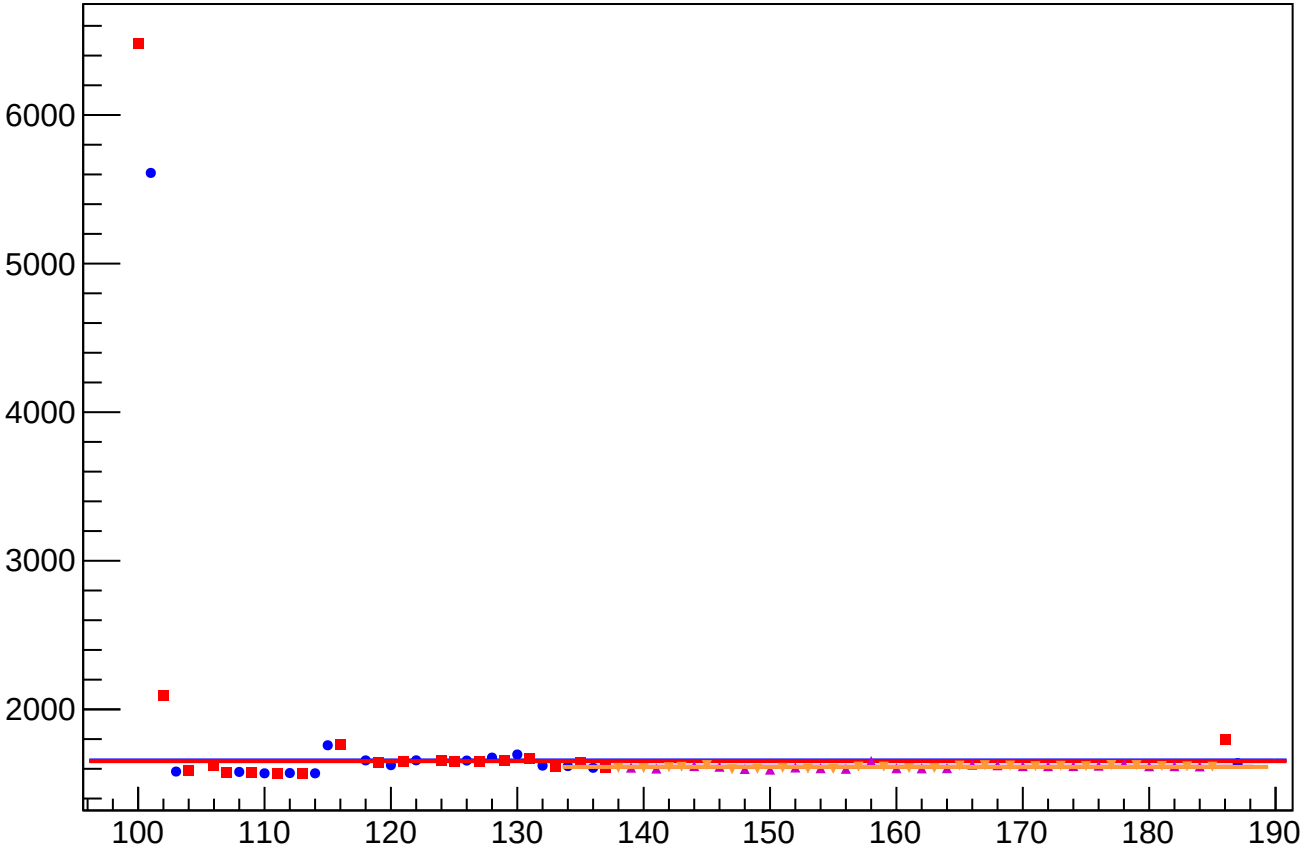
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2323.297+/-315.583 χ^2/NDF: 42.6/41

All: -12.513+/-224.149 χ^2/NDF: 199.9/84

- sign -2390.592+/-318.425 χ^2/NDF: 46.7/42

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.173+/-0.440 χ^2/NDF: 666273.8/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1651.544+/-0.421 χ^2/NDF: 141957.1/19

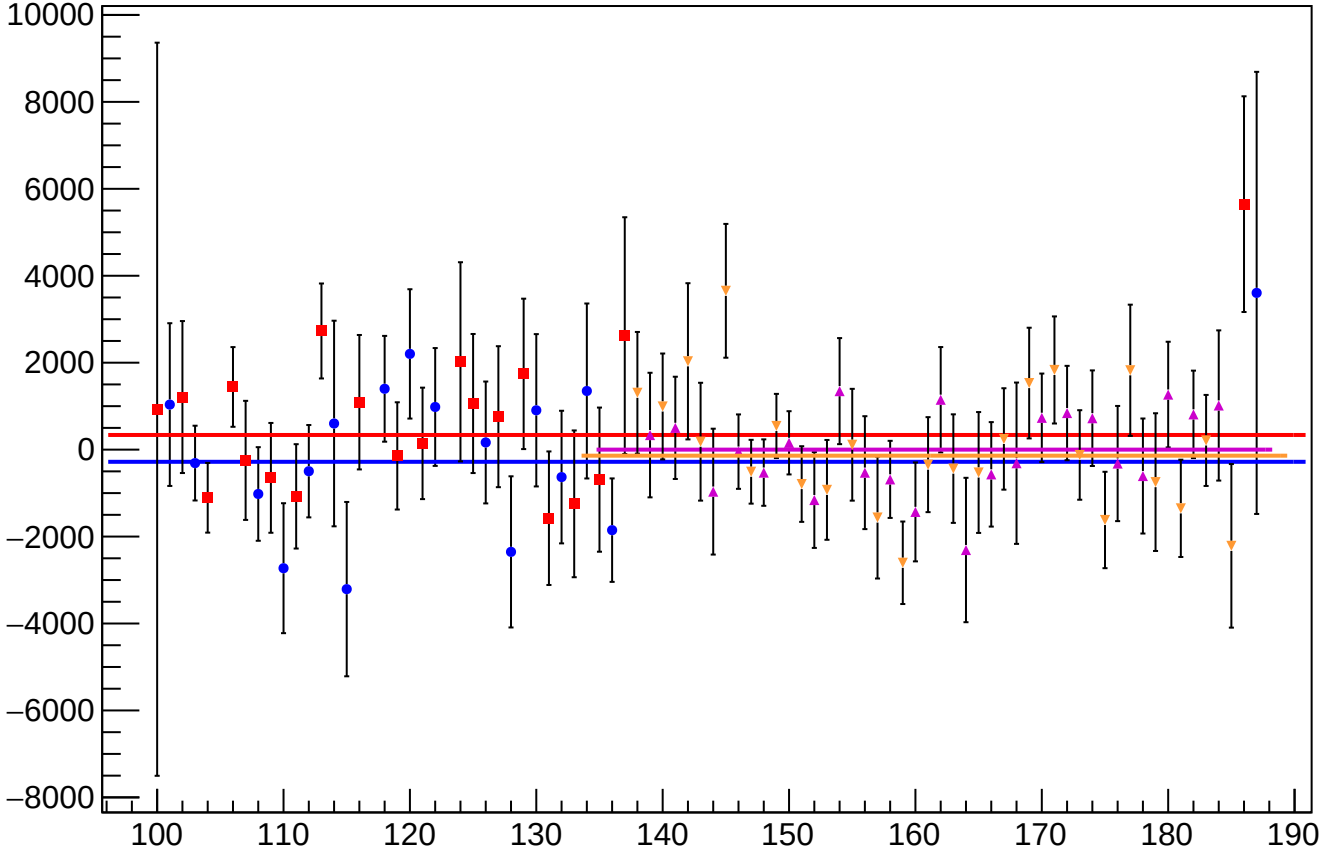
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.836+/-0.223 χ^2/NDF: 674738.4/41

All: 1624.207+/-0.158 χ^2/NDF: 824793.9/84

- sign 1624.584+/-0.225 χ^2/NDF: 150049.9/42

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -280.077+/-342.611 χ^2/NDF: 16.5/16

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 337.224+/-313.223 χ^2/NDF: 21.9/19

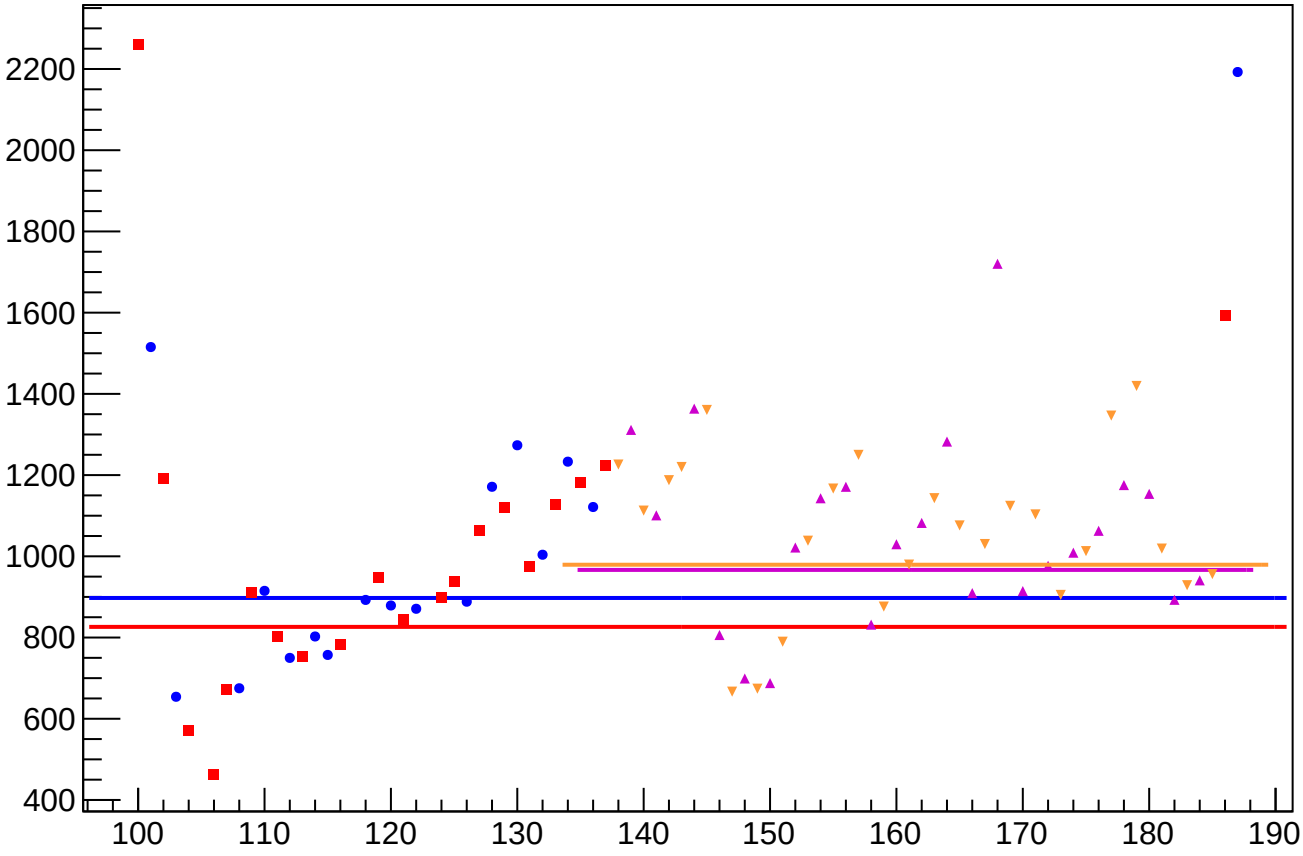
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -182.648+/-190.459 χ^2/NDF: 46.8/41

All: -28.332+/-133.210 χ^2/NDF: 83.6/84

\- sign 119.446+/-186.380 χ^2/NDF: 35.5/42

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 897.438+/-0.242 χ^2/NDF: 923973.2/16

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

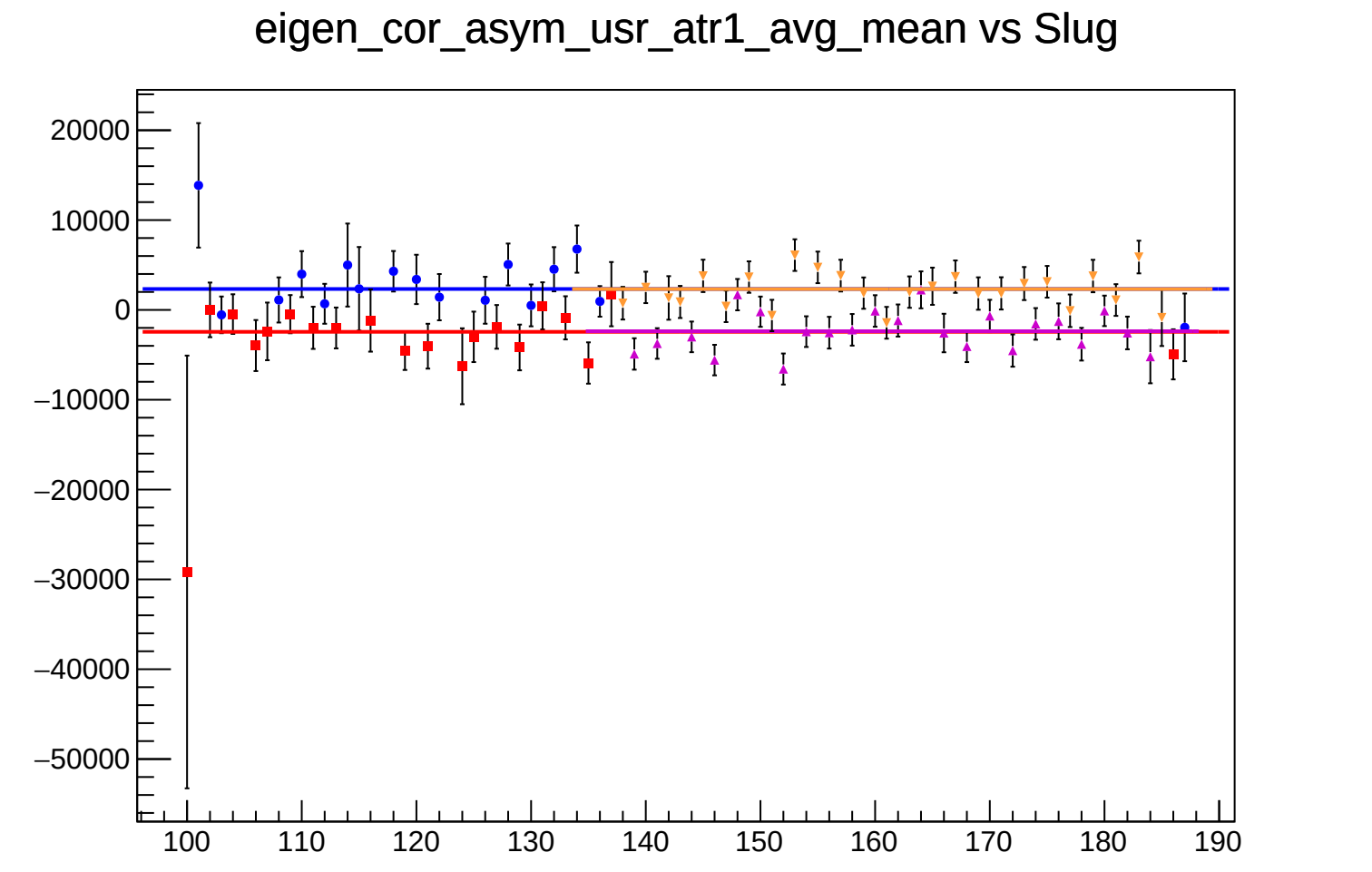
Right Out: 826.239+/-0.221 χ^2/NDF: 1247549.3/19

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

\+ sign 953.994+/-0.135 χ^2/NDF: 2633576.6/41

All: 935.024+/-0.094 χ^2/NDF: 5781691.7/84

\- sign 916.858+/-0.132 χ^2/NDF: 3109273.8/42



Right In: 2329.842+/-621.603 χ^2/NDF: 15.1/16

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2440.294+/-595.593 χ^2/NDF: 12.9/19

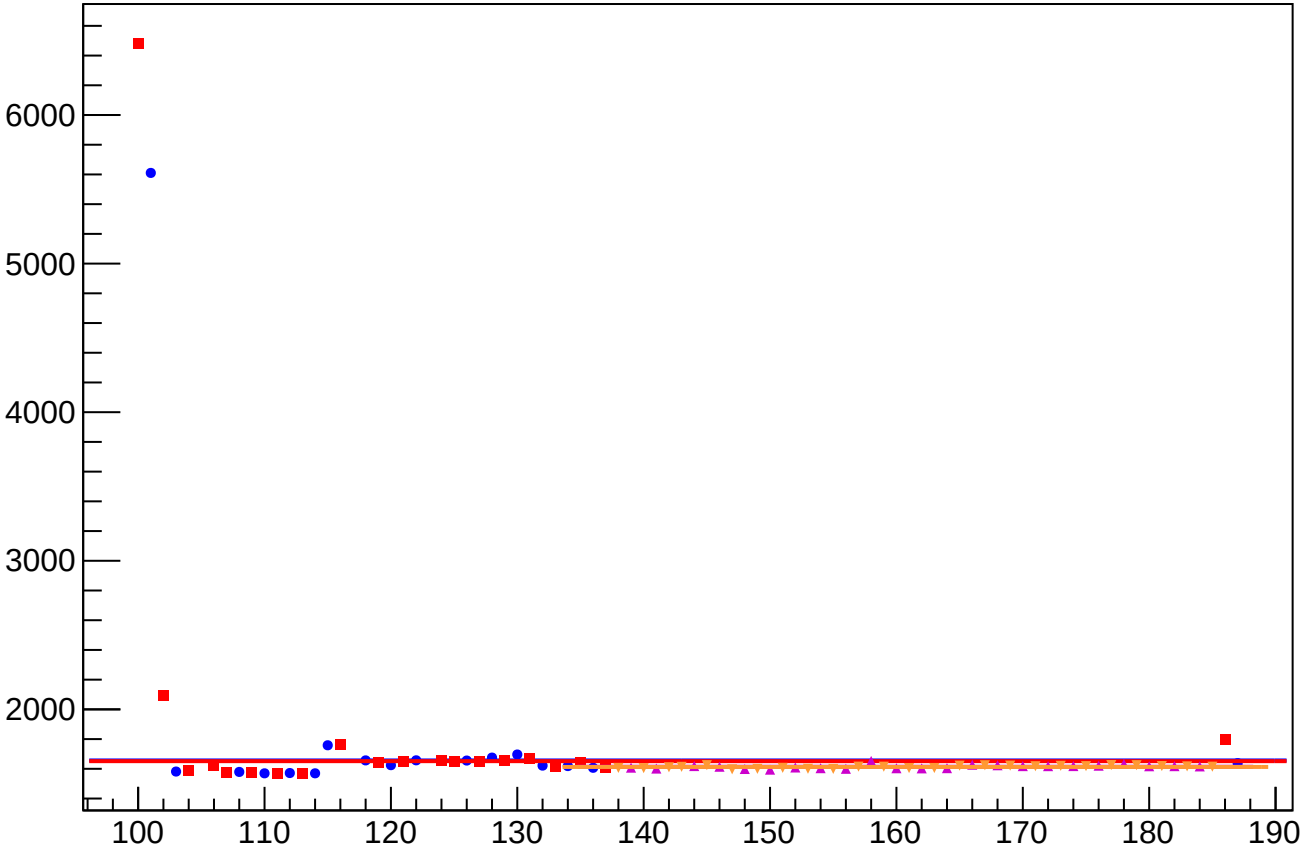
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2323.297+/-315.583 χ^2/NDF: 42.6/41

All: -12.513+/-224.149 χ^2/NDF: 199.9/84

- sign -2390.592+/-318.425 χ^2/NDF: 46.7/42

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1656.173+/-0.440 χ^2/NDF: 666273.8/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1651.544+/-0.421 χ^2/NDF: 141957.1/19

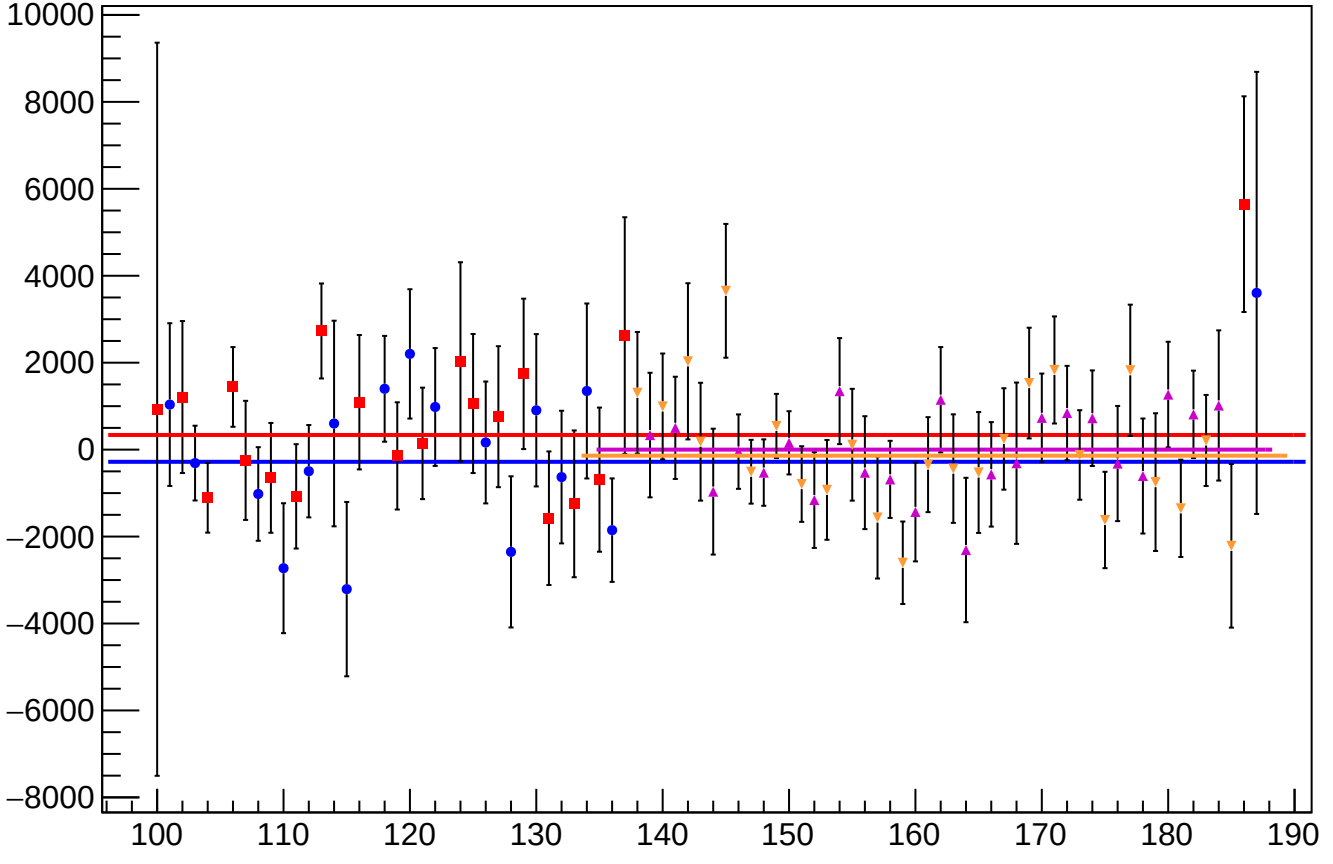
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1623.836+/-0.223 χ^2/NDF: 674738.4/41

All: 1624.207+/-0.158 χ^2/NDF: 824793.9/84

- sign 1624.584+/-0.225 χ^2/NDF: 150049.9/42

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: -280.077+/-342.611 χ^2/NDF: 16.5/16

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

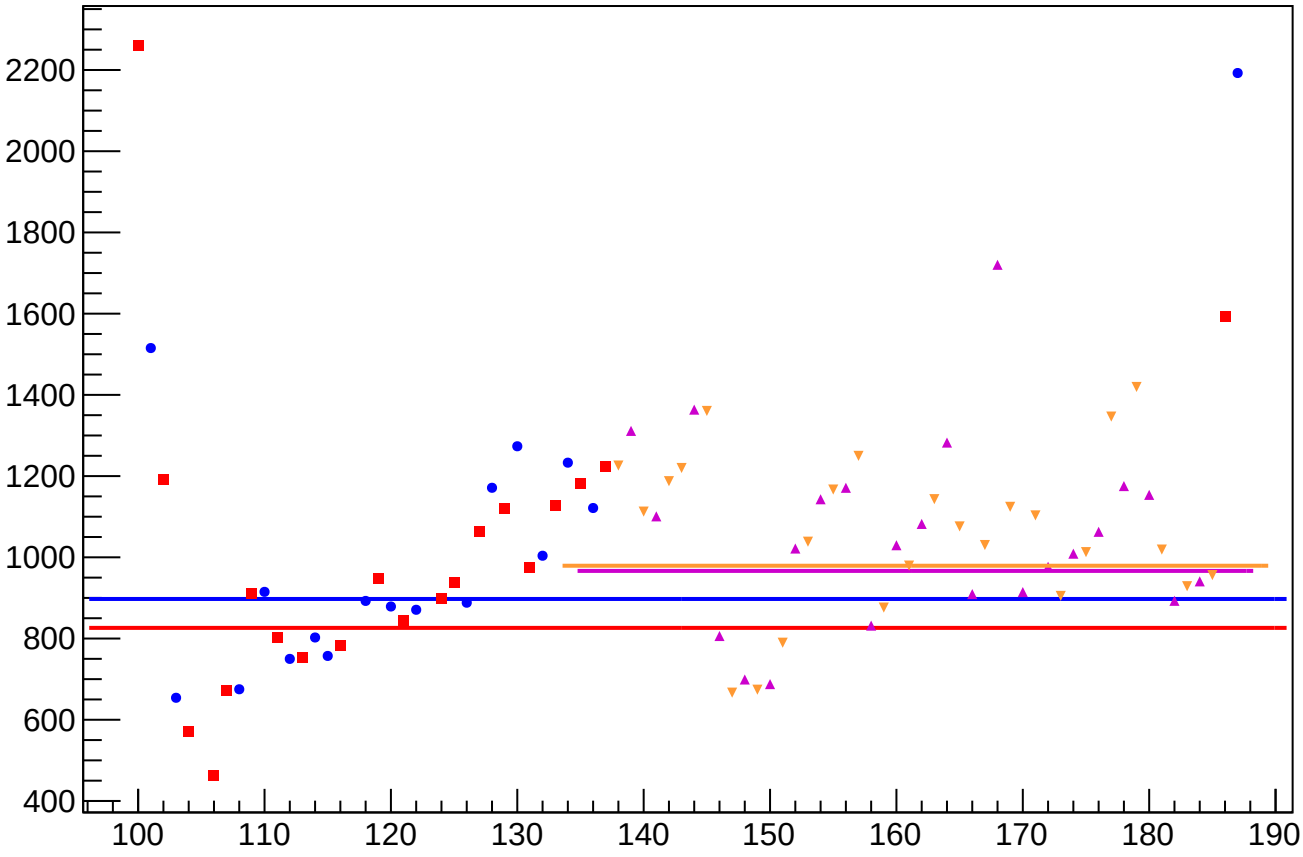
Right Out: 337.224+/-313.223 χ^2/NDF: 21.9/19

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -182.648+/-190.459 χ^2/NDF: 46.8/41

All: -28.332+/-133.210 χ^2/NDF: 83.6/84

\- sign 119.446+/-186.380 χ^2/NDF: 35.5/42



Right In: 897.438+/-0.242 χ^2/NDF: 923973.2/16

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

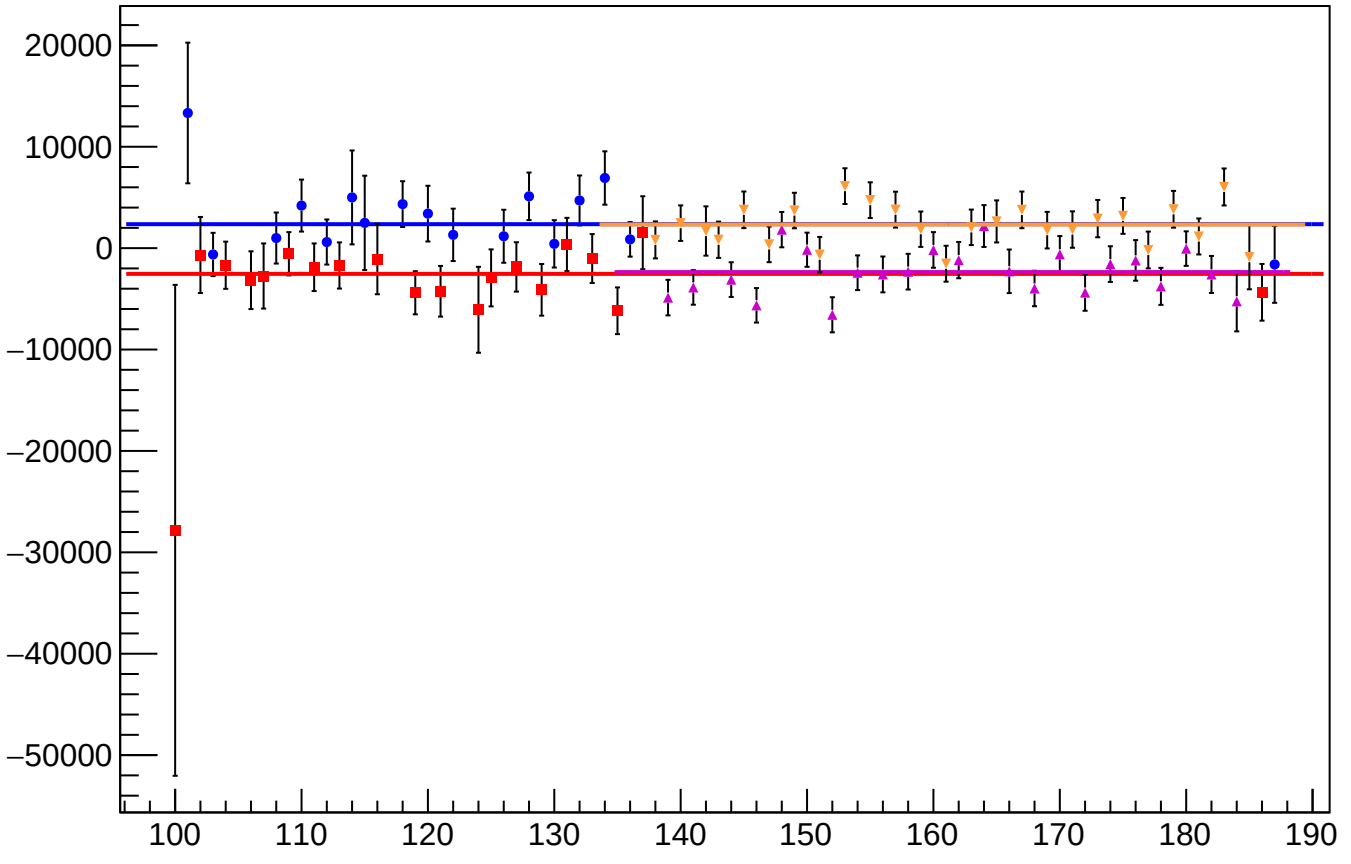
Right Out: 826.239+/-0.221 χ^2/NDF: 1247549.3/19

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 953.994+/-0.135 χ^2/NDF: 2633576.6/41

All: 935.024+/-0.094 χ^2/NDF: 5781691.7/84

- sign 916.858+/-0.132 χ^2/NDF: 3109273.8/42



Right In: 2364.008+/-625.168 χ^2/NDF: 15.3/16

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2537.517+/-603.026 χ^2/NDF: 11.0/19

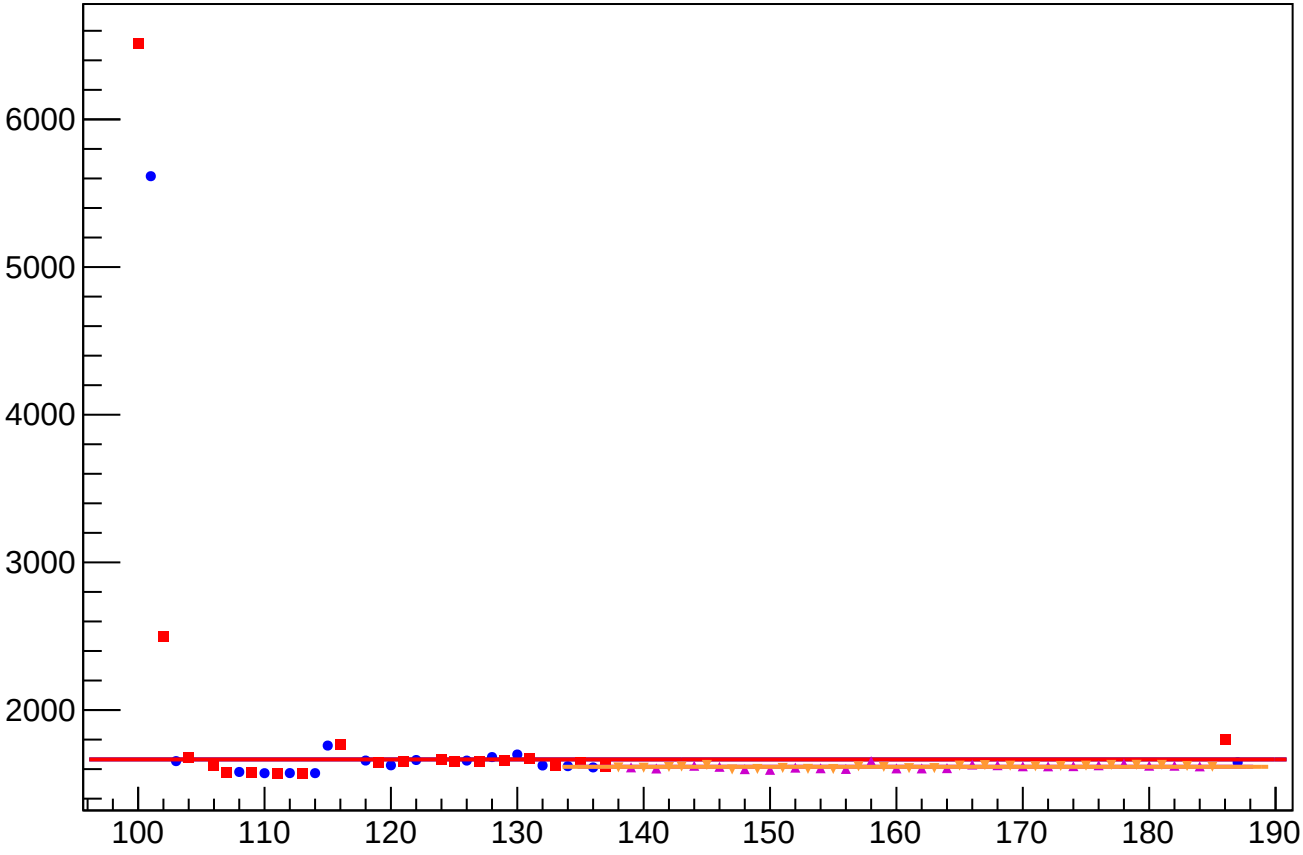
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2342.315+/-316.489 χ^2/NDF: 43.6/41

All: -8.355+/-224.992 χ^2/NDF: 200.2/84

- sign -2410.169+/-319.913 χ^2/NDF: 45.1/42

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1665.835+/-0.442 χ^2/NDF: 662972.8/16

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

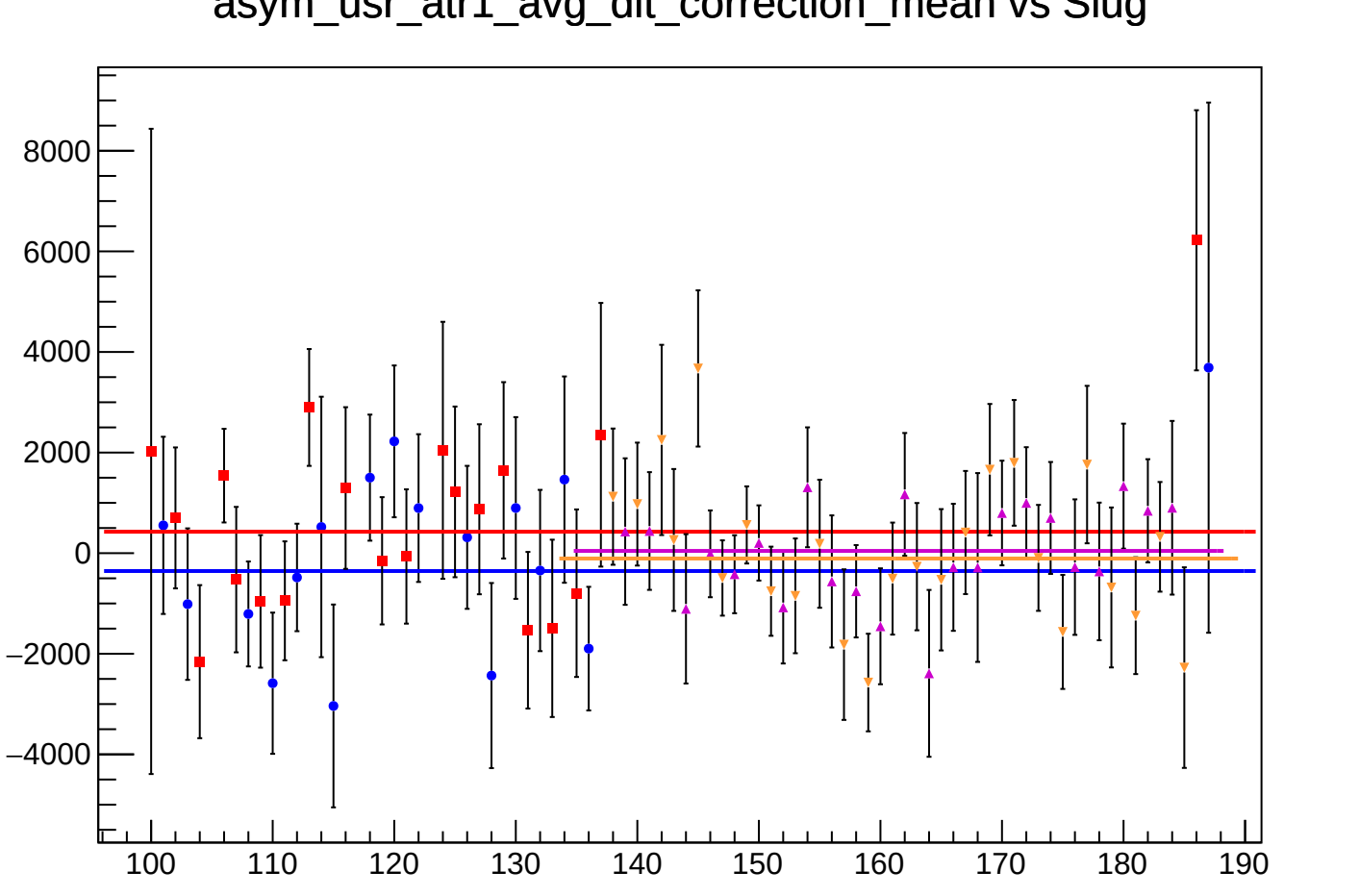
Right Out: 1665.563+/-0.426 χ^2/NDF: 198082.6/19

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.499+/-0.224 χ^2/NDF: 674011.3/41

All: 1629.345+/-0.159 χ^2/NDF: 884248.0/84

- sign 1630.209+/-0.226 χ^2/NDF: 210207.8/42



Right In: -354.886+/-367.051 χ^2/NDF: 16.3/16

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 426.188+/-337.704 χ^2/NDF: 22.5/19

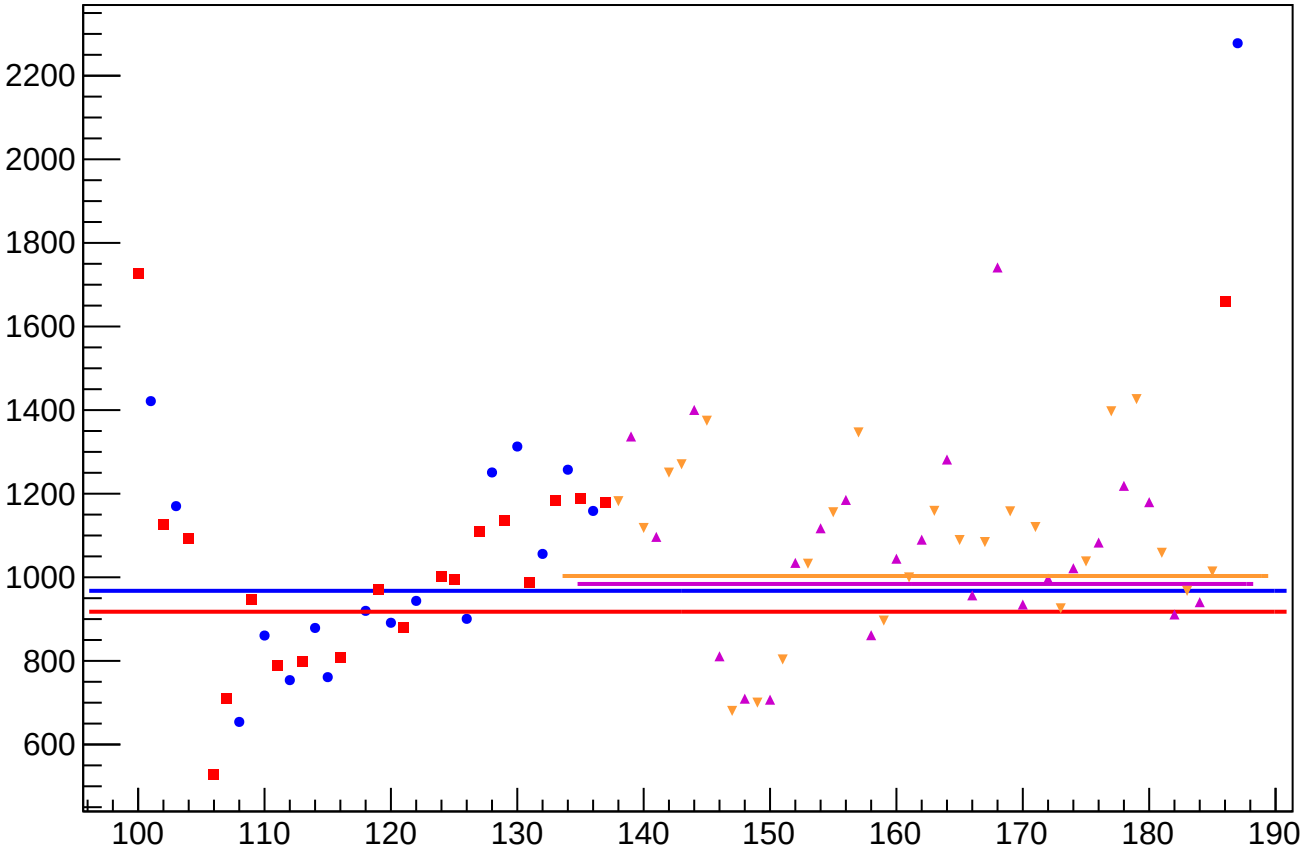
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -178.296+/-197.497 χ^2/NDF: 45.7/41

All: -0.645+/-138.143 χ^2/NDF: 83.4/84

- sign 169.530+/-193.297 χ^2/NDF: 36.2/42

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 967.628+/-0.260 χ^2/NDF: 816054.9/16

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

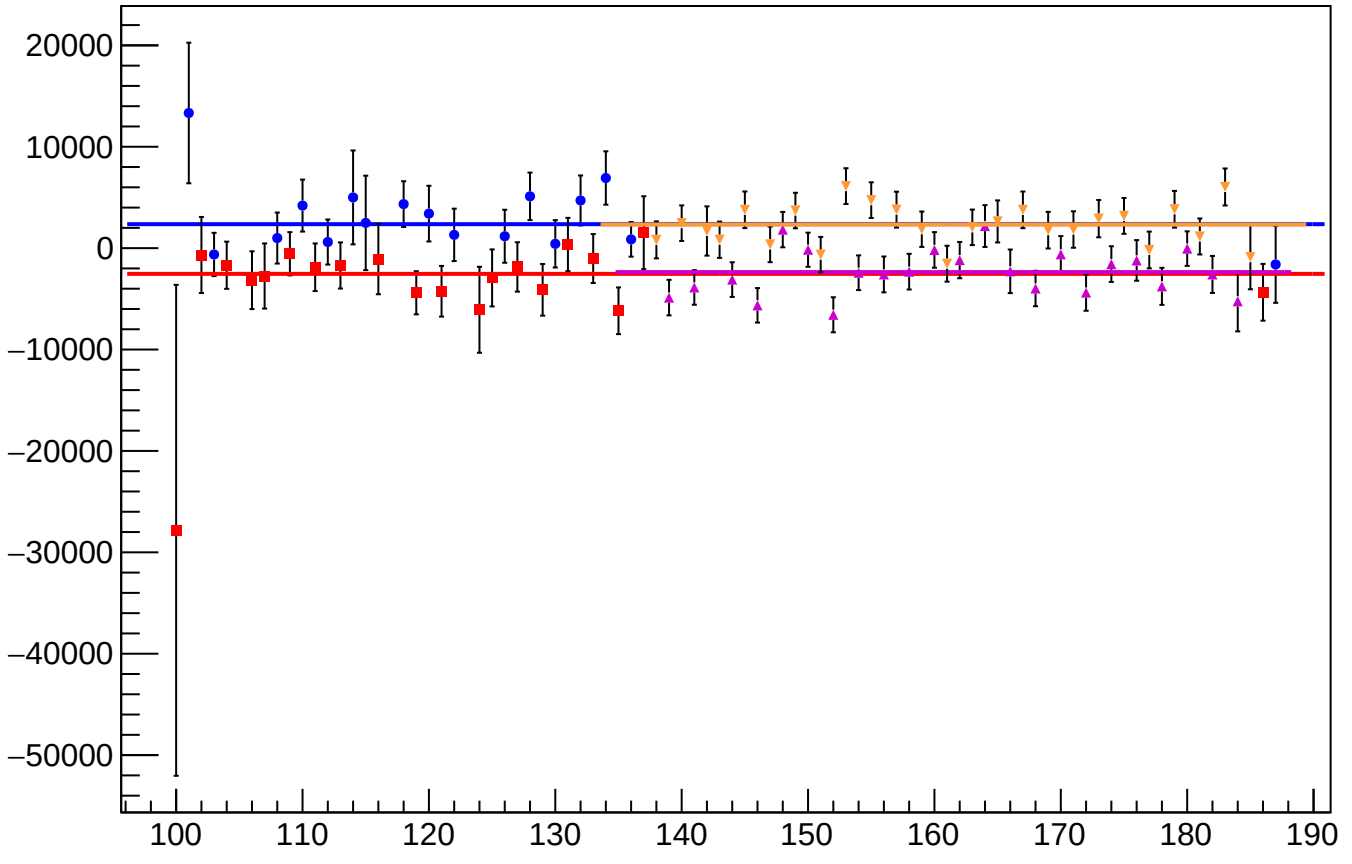
Right Out: 917.609+/-0.239 χ^2/NDF: 903998.4/19

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 992.831+/-0.140 χ^2/NDF: 2427742.3/41

All: 977.229+/-0.098 χ^2/NDF: 4967796.3/84

- sign 962.284+/-0.137 χ^2/NDF: 2515617.7/42



Right In: 2364.008+/-625.168 χ^2/NDF: 15.3/16

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2537.516+/-603.026 χ^2/NDF: 11.0/19

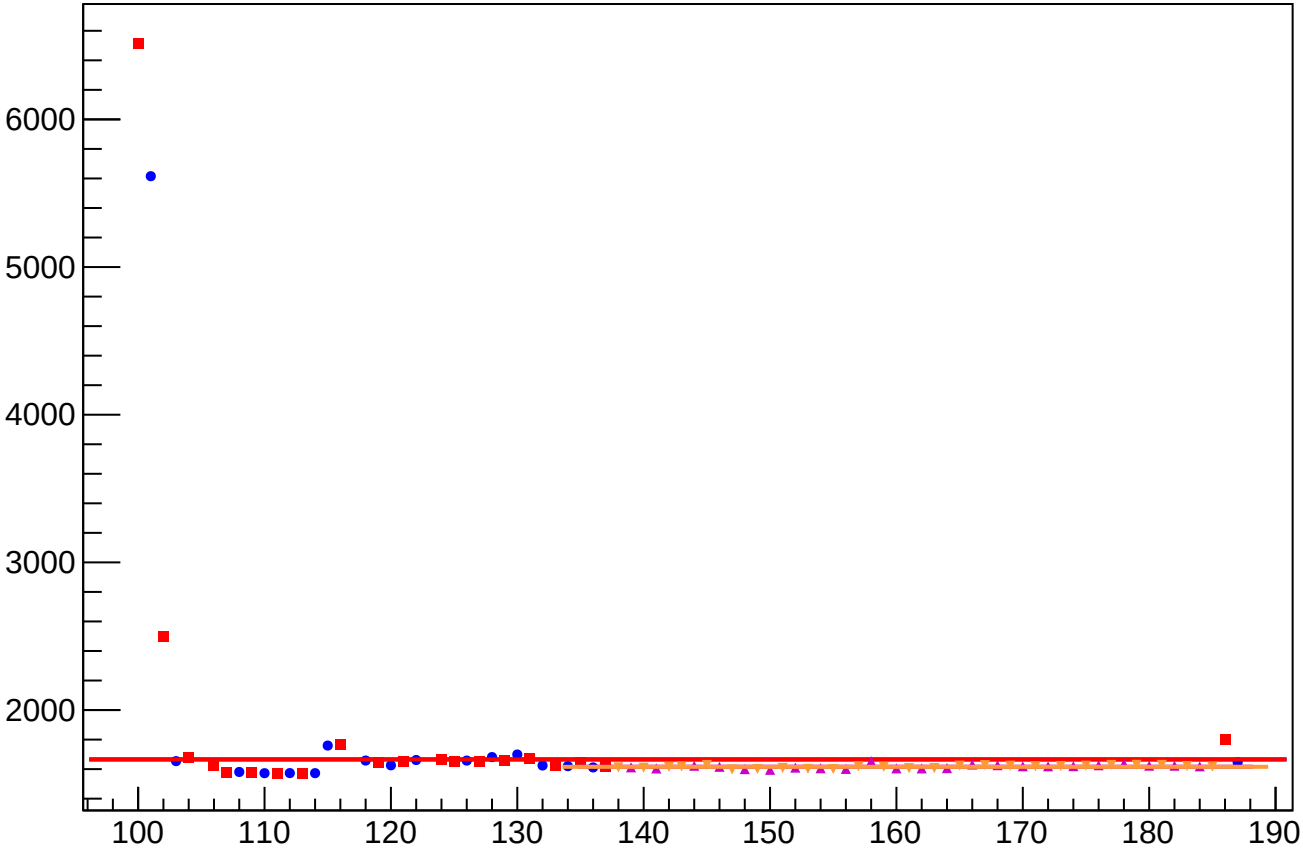
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2342.315+/-316.489 χ^2/NDF: 43.6/41

All: -8.356+/-224.992 χ^2/NDF: 200.2/84

- sign -2410.169+/-319.913 χ^2/NDF: 45.1/42

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1665.835+/-0.442 χ^2/NDF: 662972.9/16

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

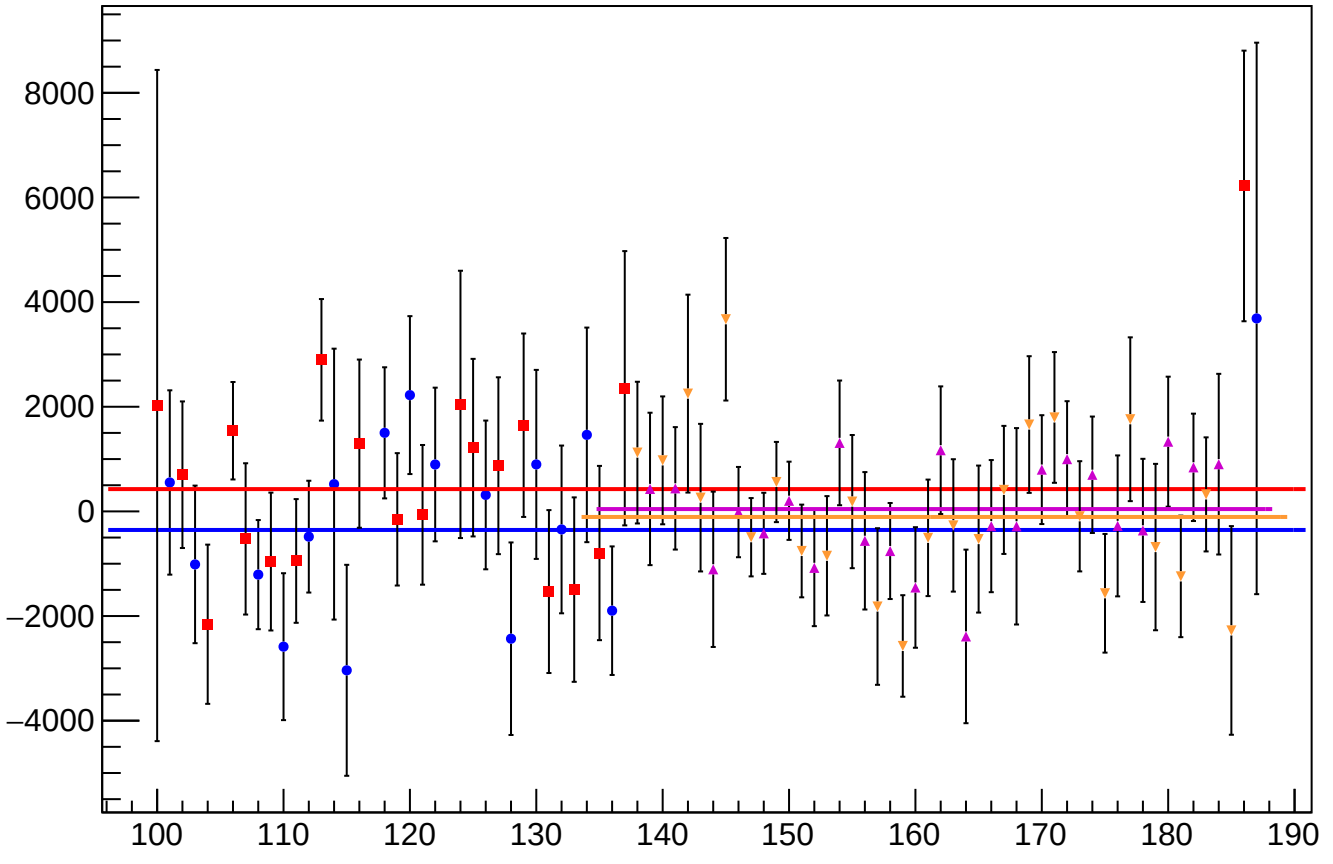
Right Out: 1665.563+/-0.426 χ^2/NDF: 198082.5/19

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1628.499+/-0.224 χ^2/NDF: 674011.3/41

All: 1629.345+/-0.159 χ^2/NDF: 884247.8/84

- sign 1630.208+/-0.226 χ^2/NDF: 210207.6/42



Right In: -354.884+/-367.050 χ^2/NDF: 16.3/16

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

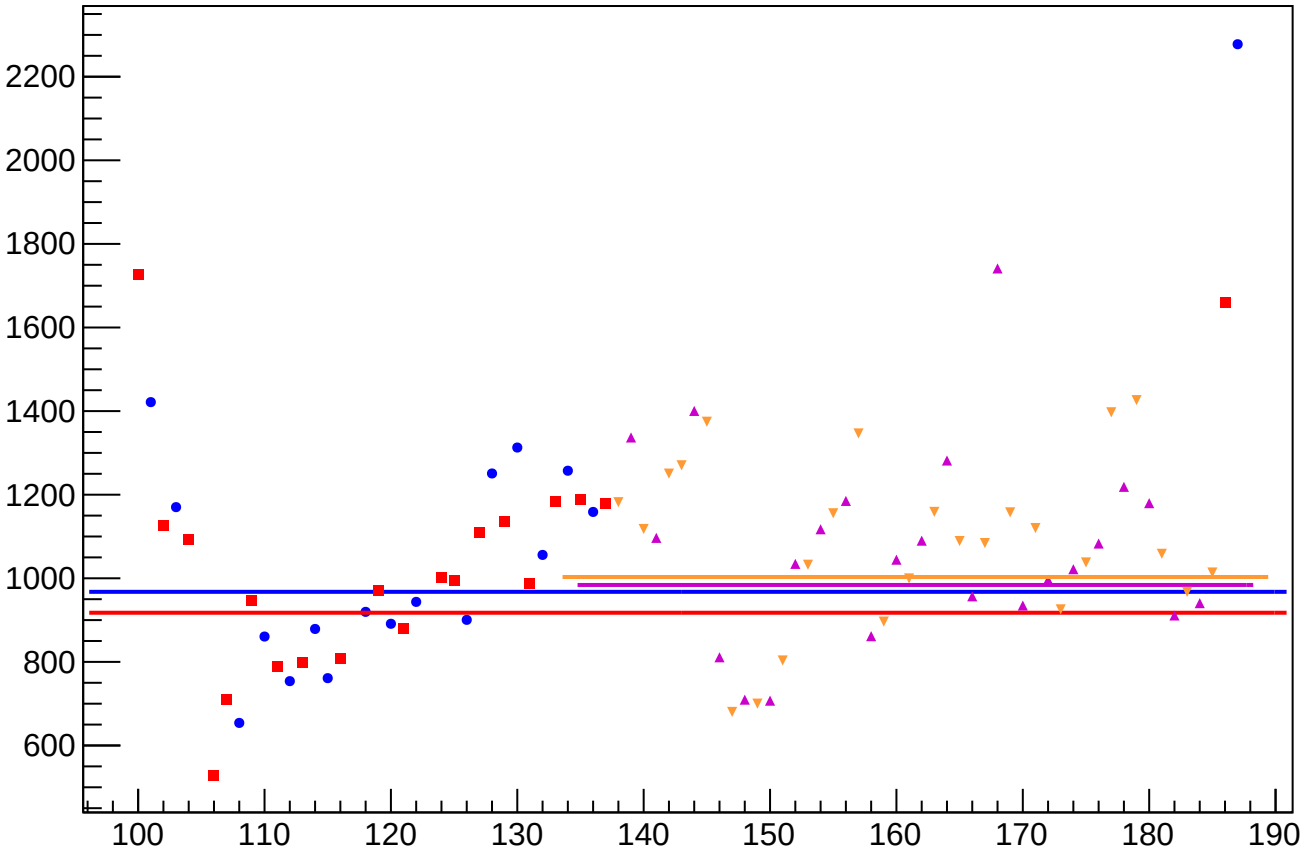
Right Out: 426.185+/-337.703 χ^2/NDF: 22.5/19

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

\+ sign -178.297+/-197.497 χ^2/NDF: 45.7/41

All: -0.646+/-138.143 χ^2/NDF: 83.4/84

\- sign 169.530+/-193.297 χ^2/NDF: 36.2/42



Right In: 967.624+/-0.260 χ^2/NDF: 816063.8/16

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 917.606+/-0.239 χ^2/NDF: 903998.5/19

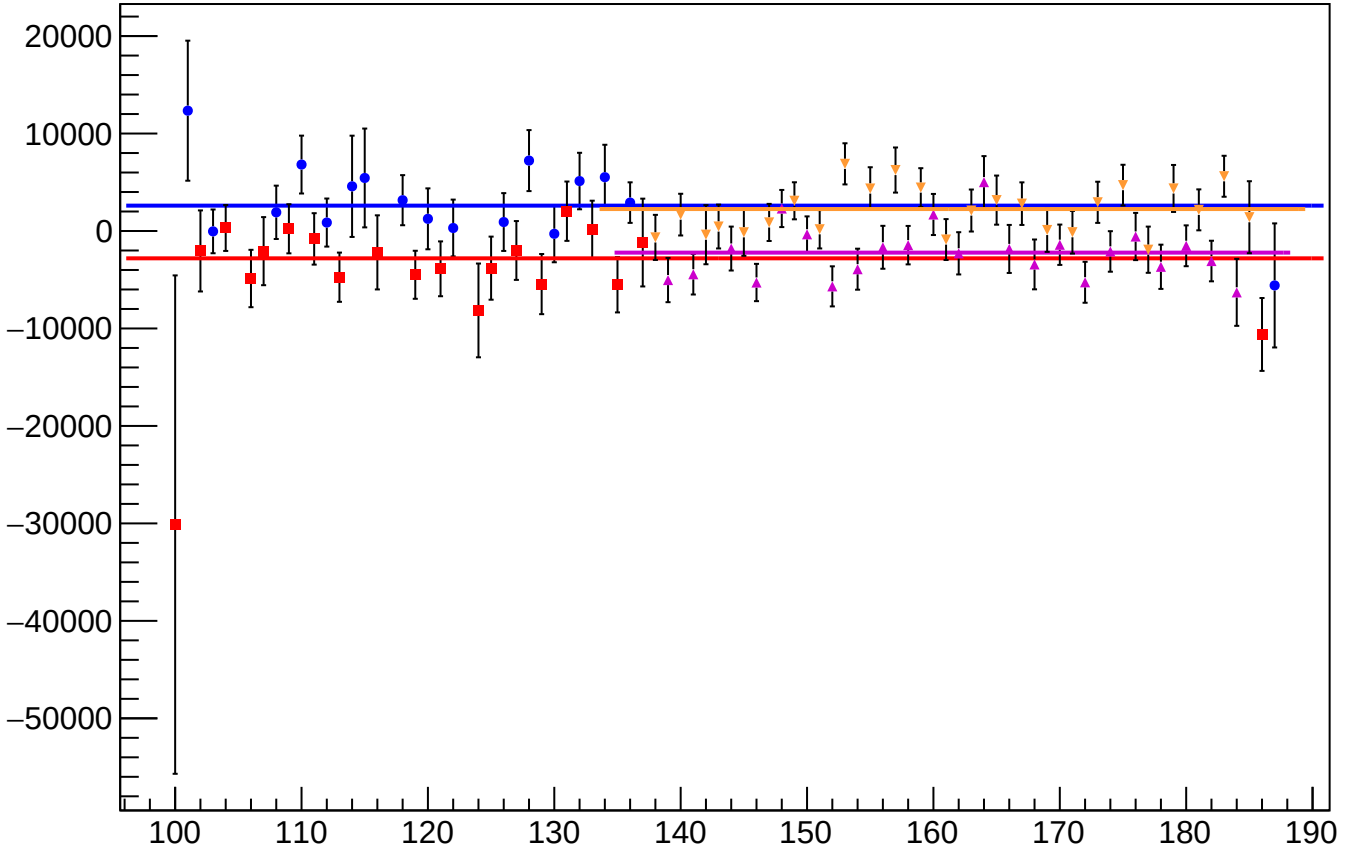
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 992.831+/-0.140 χ^2/NDF: 2427758.0/41

All: 977.230+/-0.098 χ^2/NDF: 4967821.3/84

- sign 962.285+/-0.137 χ^2/NDF: 2515627.1/42

asym_usr_atr1_avg_mean vs Slug



Right In: 2602.218+/-730.235 χ^2/NDF: 13.8/16

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2804.385+/-694.165 χ^2/NDF: 17.8/19

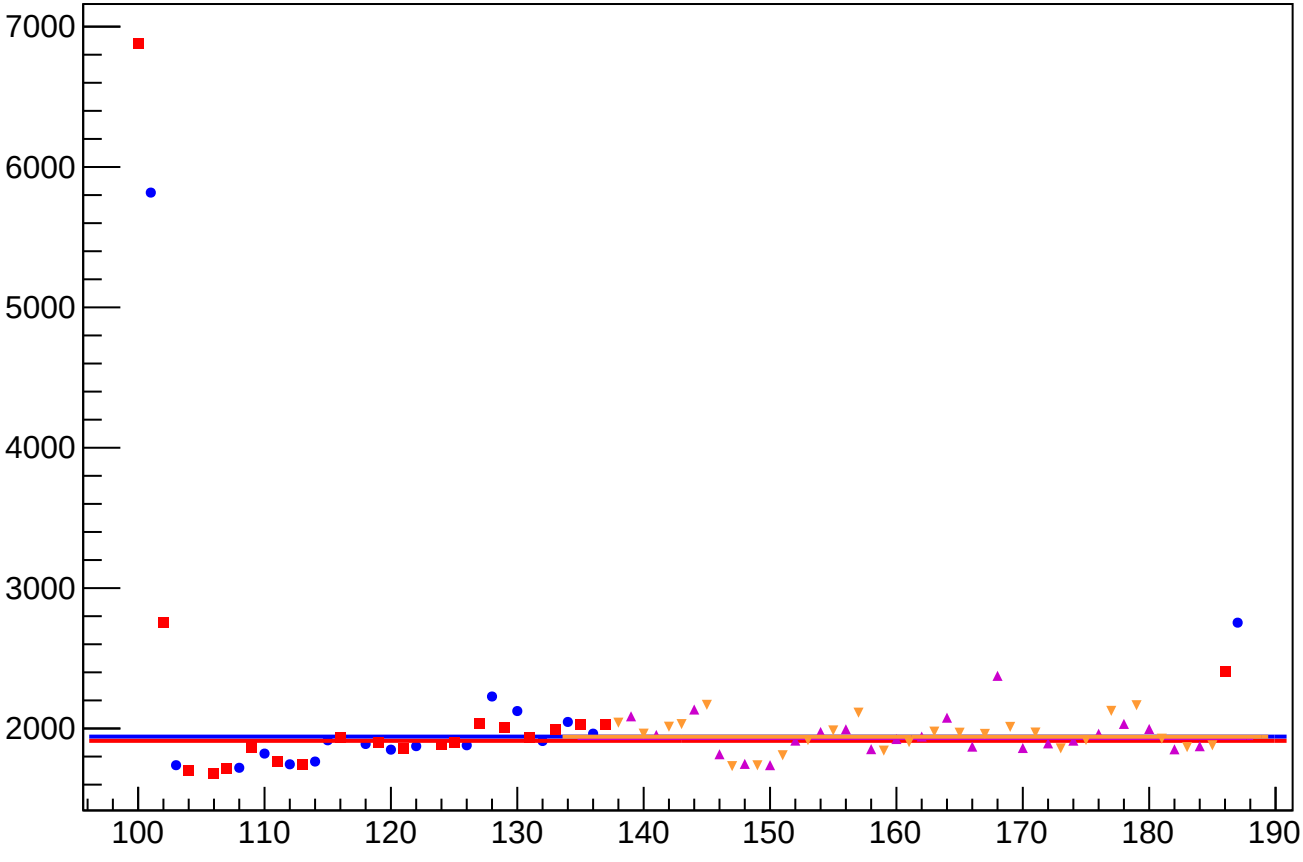
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2346.249+/-378.261 χ^2/NDF: 42.3/41

All: -19.442+/-267.713 χ^2/NDF: 170.4/84

- sign -2393.732+/-378.947 χ^2/NDF: 49.8/42

asym_usr_atr1_avg_rms vs Slug



Right In: 1942.077+/-0.516 χ^2/NDF: 694191.3/16

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

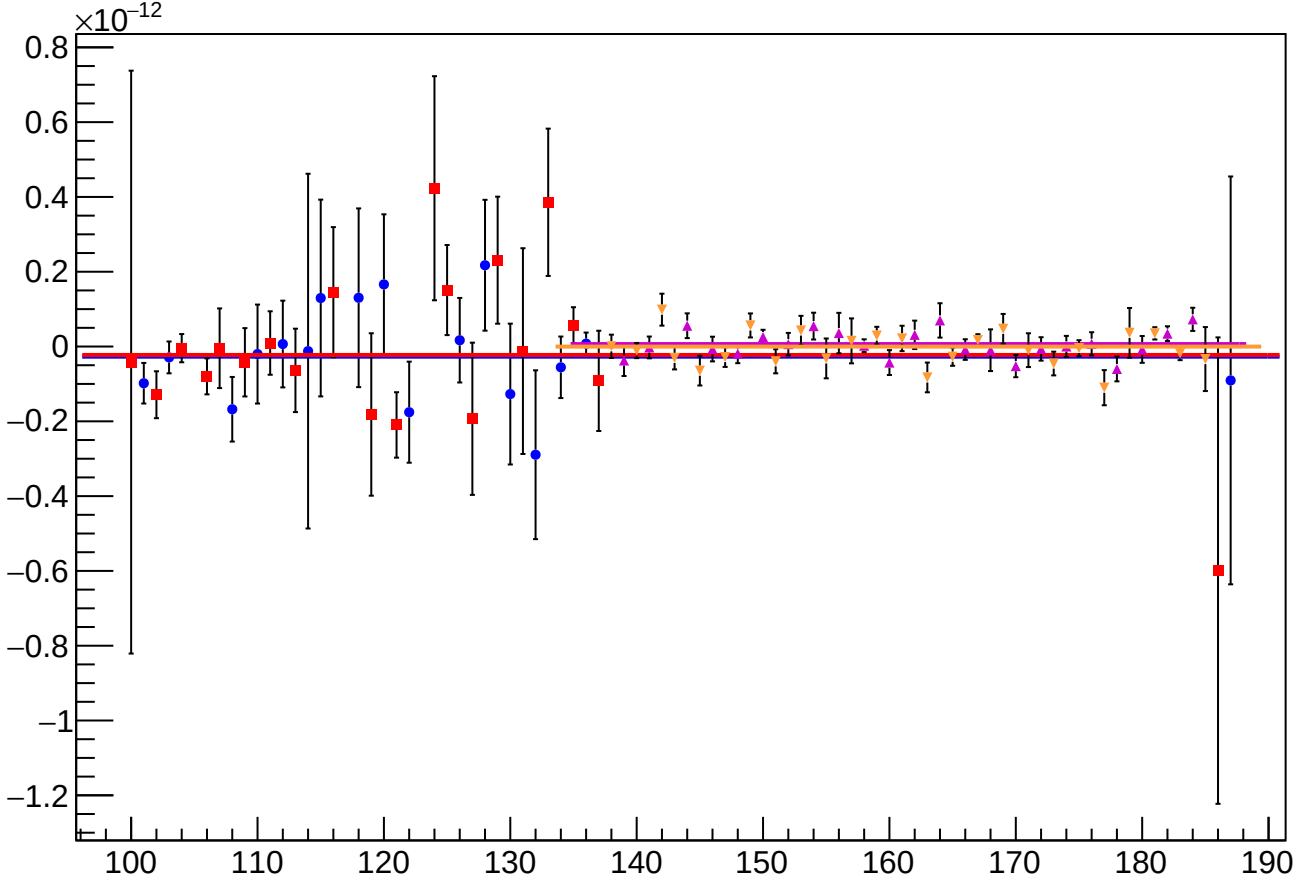
Right Out: 1911.938+/-0.491 χ^2/NDF: 256505.6/19

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 1941.715+/-0.267 χ^2/NDF: 833203.3/41

All: 1933.817+/-0.189 χ^2/NDF: 1252484.1/84

- sign 1925.889+/-0.268 χ^2/NDF: 417533.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/19

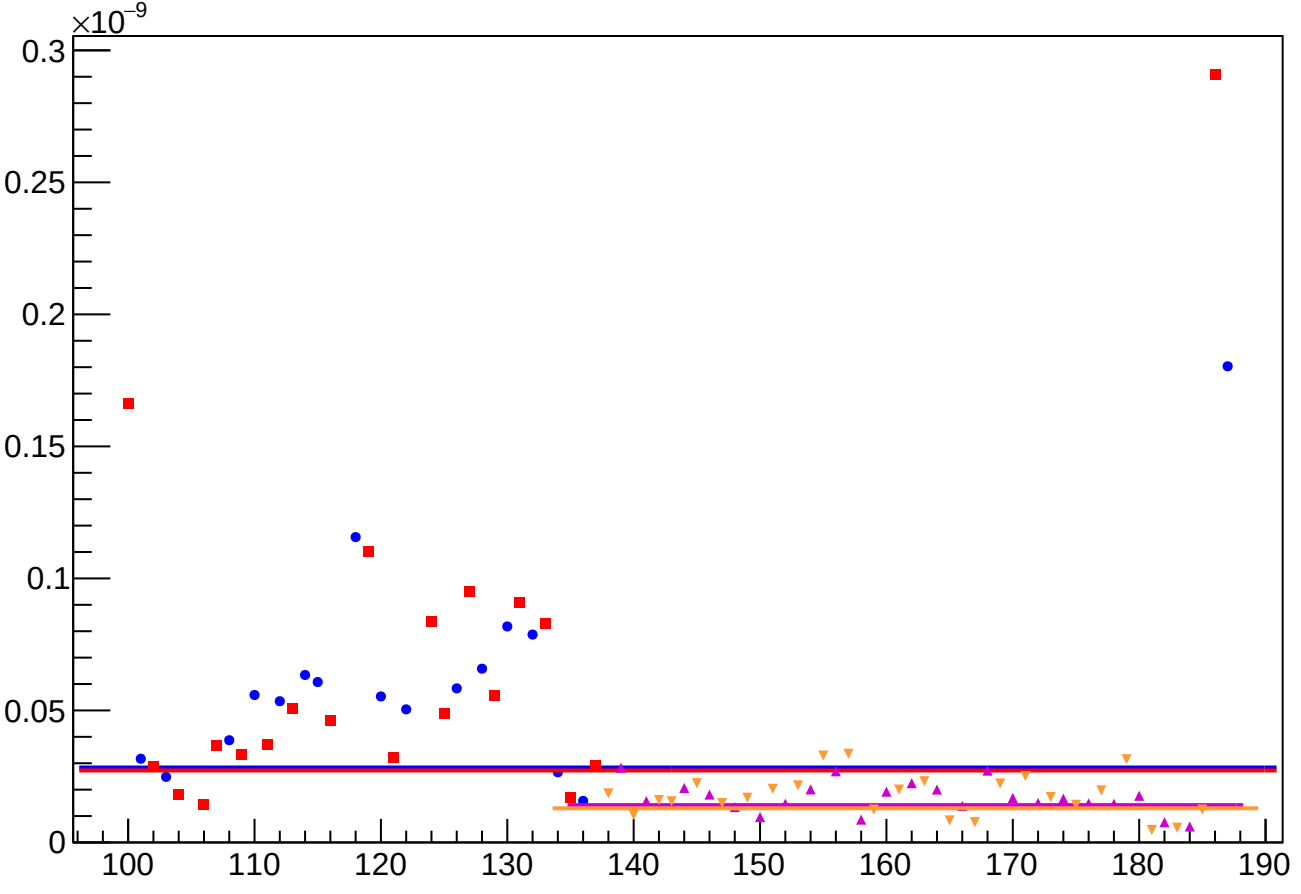
Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/41

All: 0.000+/-0.000 χ^2/NDF: 111.4/84

- sign 0.000+/-0.000 χ^2/NDF: 55.8/42

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1646065.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1913372.8/19

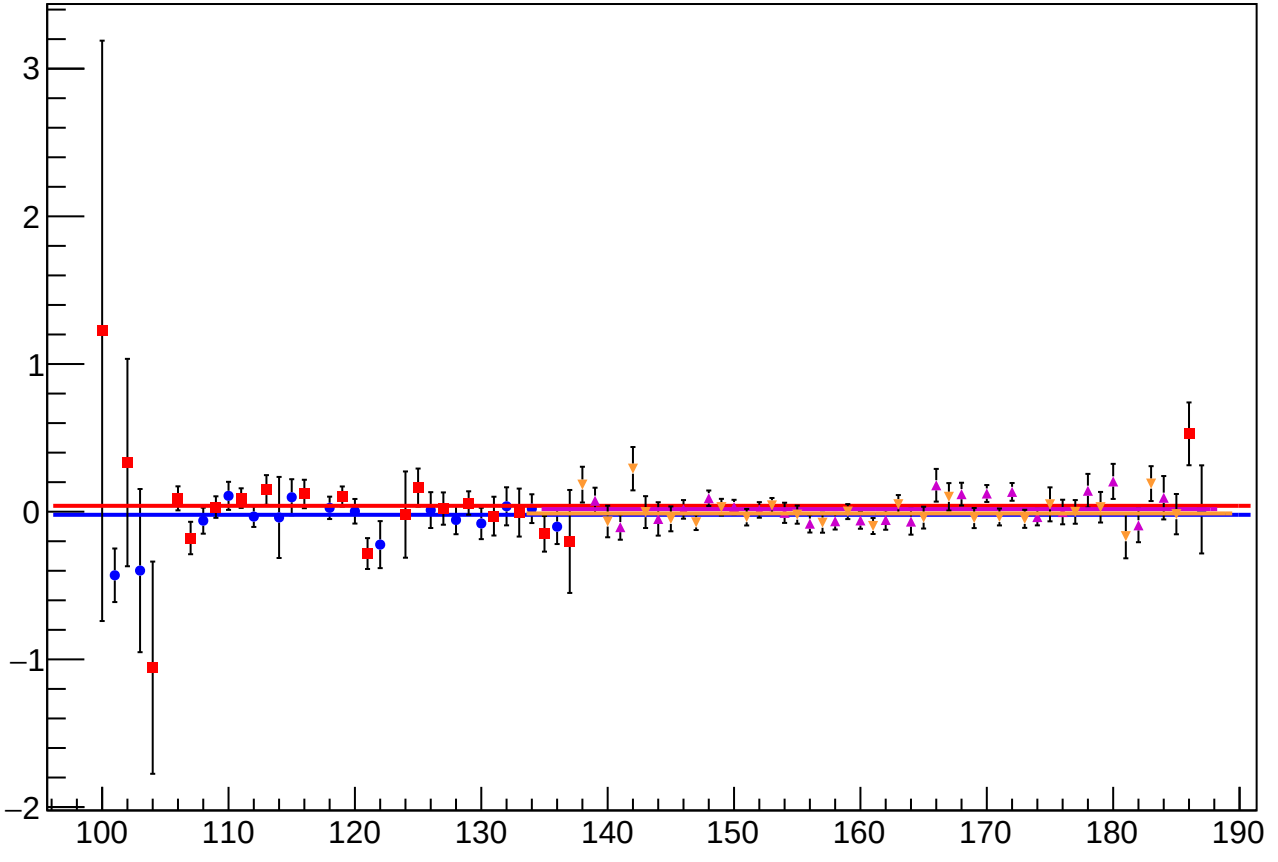
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5669650.4/41

All: 0.000+/-0.000 χ^2/NDF: 9982948.7/84

- sign 0.000+/-0.000 χ^2/NDF: 4271536.5/42

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.040+/-0.024 χ^2/NDF: 29.7/19

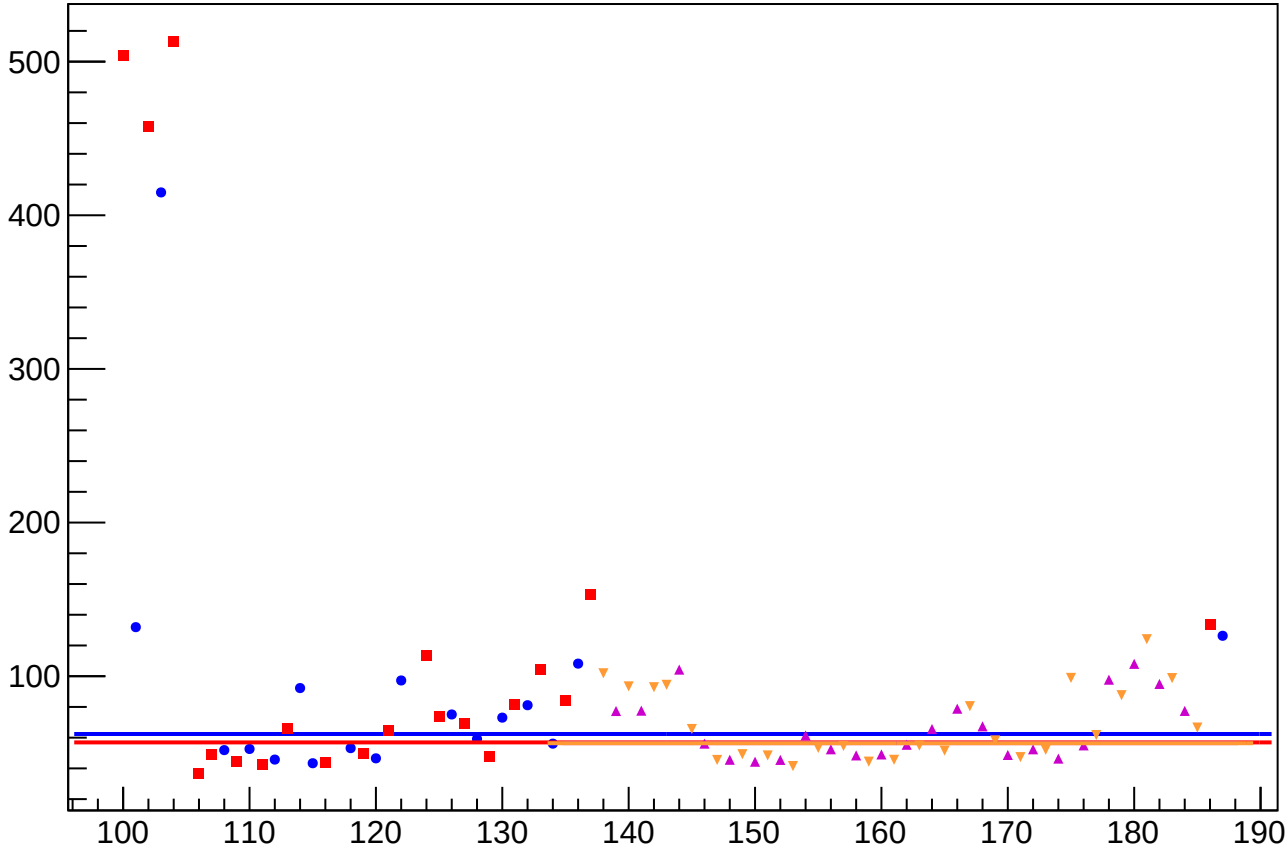
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/41

All: 0.005+/-0.009 χ^2/NDF: 99.2/84

- sign 0.023+/-0.012 χ^2/NDF: 60.9/42

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 62.383+/-0.019 χ^2/NDF: 2030531.4/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

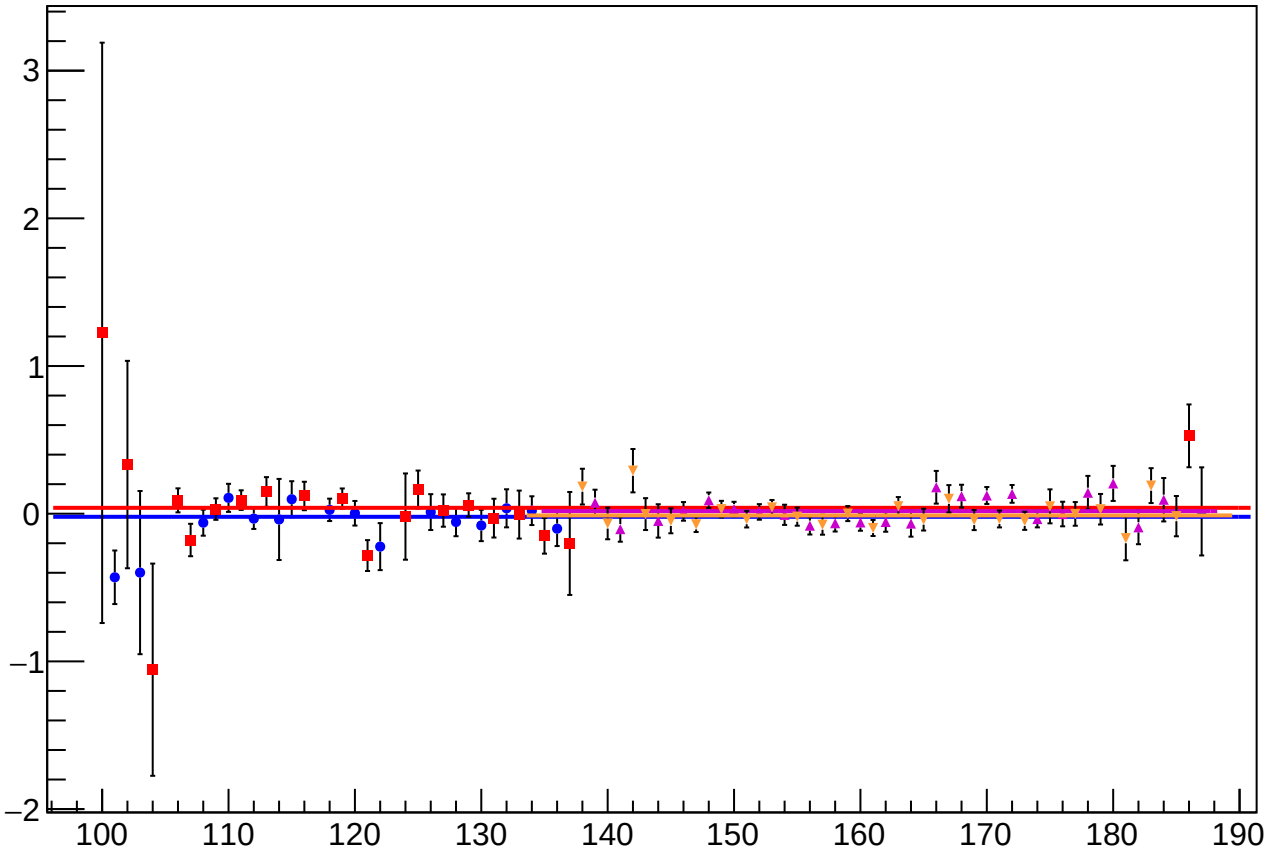
Right Out: 56.917+/-0.017 χ^2/NDF: 2857121.1/19

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 57.735+/-0.009 χ^2/NDF: 4907662.9/41

All: 57.153+/-0.006 χ^2/NDF: 9913809.0/84

- sign 56.584+/-0.009 χ^2/NDF: 4997701.6/42



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

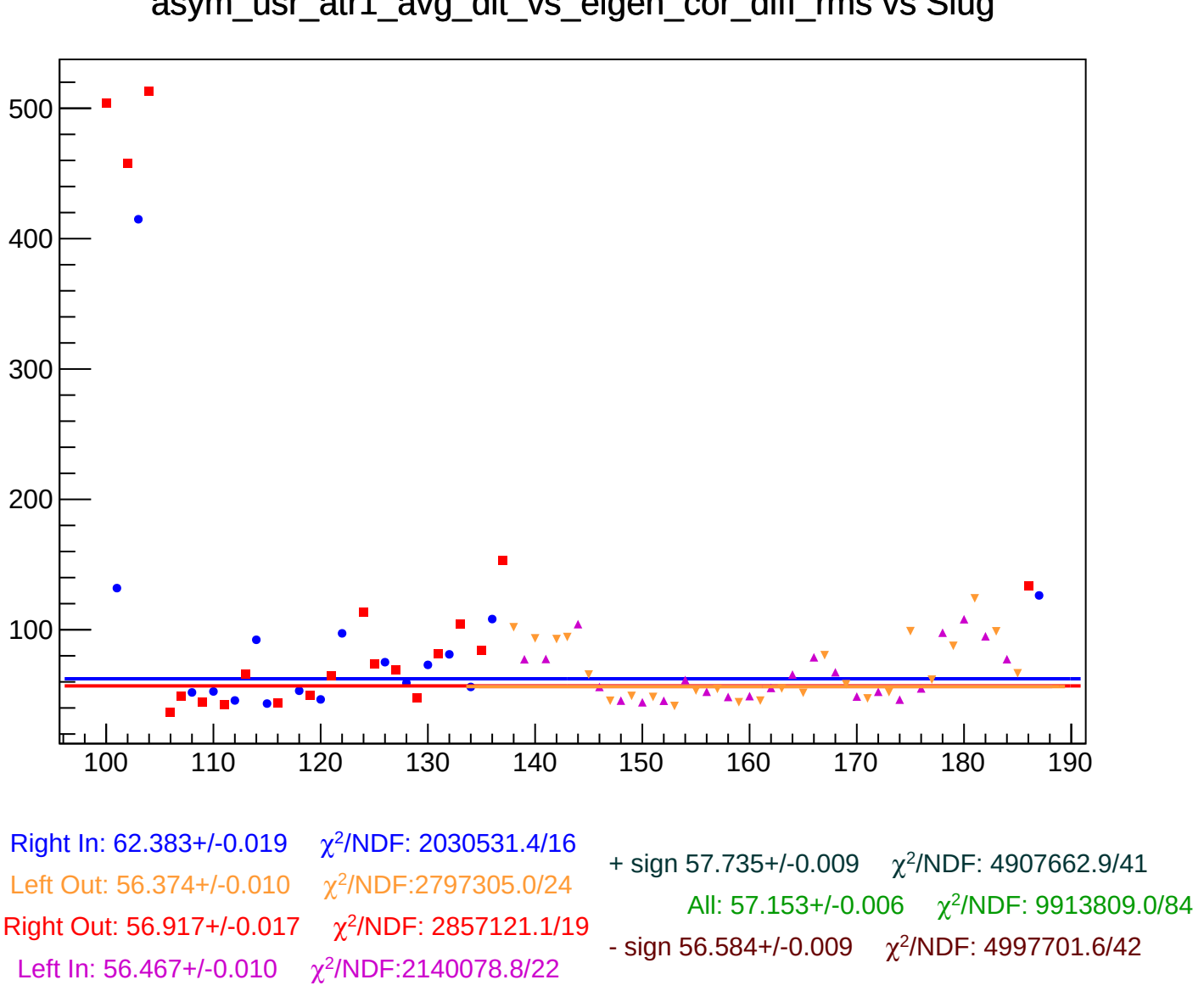
Right Out: 0.040+/-0.024 χ^2/NDF: 29.7/19

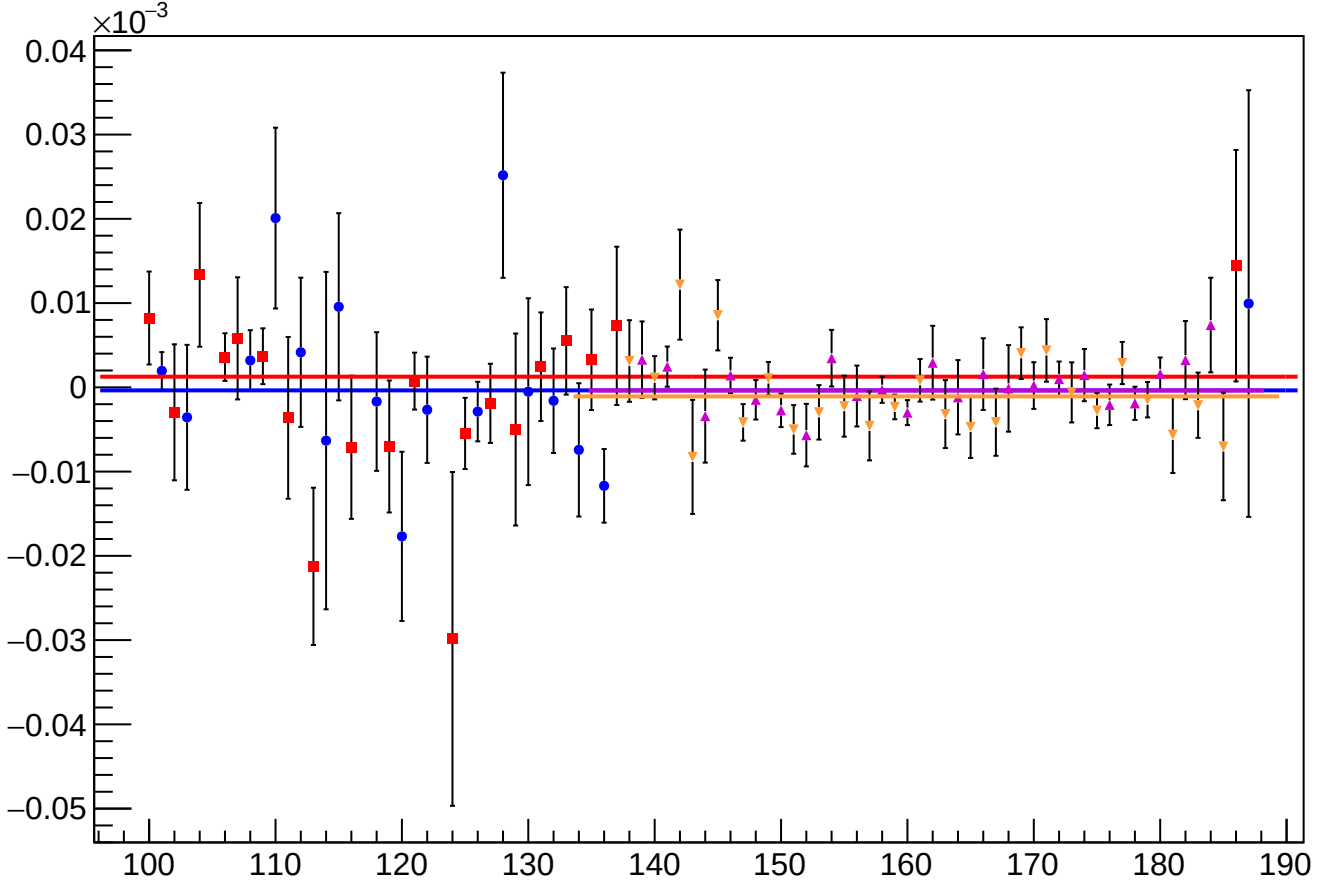
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/41

All: 0.005+/-0.009 χ^2/NDF: 99.2/84

- sign 0.023+/-0.012 χ^2/NDF: 60.9/42


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
190
Right In: 62.383+/-0.019 χ²/NDF: 2030531.4/16
Left Out: 56.374+/-0.010 χ²/NDF:2797305.0/24
Right Out: 56.917+/-0.017 χ²/NDF: 2857121.1/19
Left In: 56.467+/-0.010 χ²/NDF:2140078.8/22
+ sign 57.735+/-0.009 χ²/NDF: 4907662.9/41
All: 57.153+/-0.006 χ²/NDF: 9913809.0/84
- sign 56.584+/-0.009 χ²/NDF: 4997701.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/19

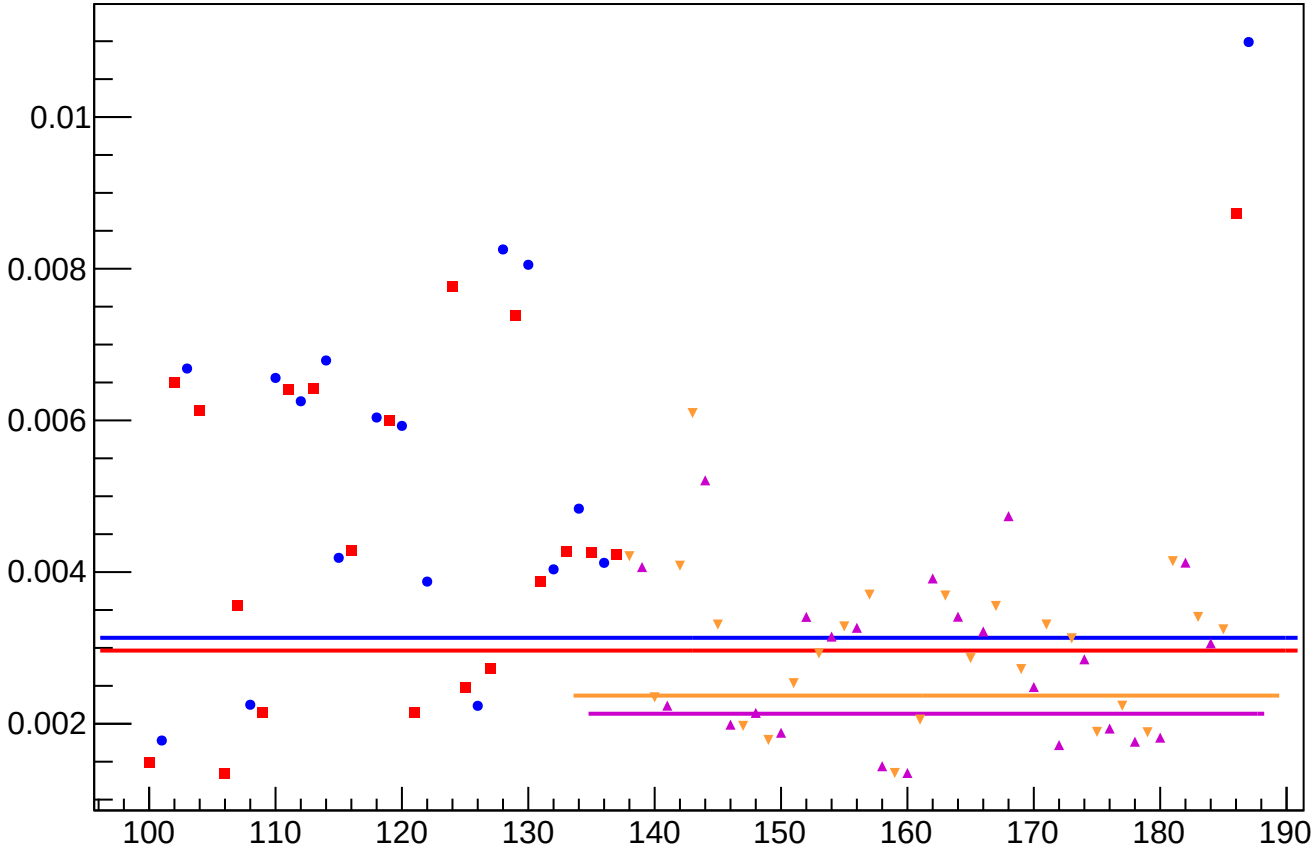
Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.5/41

All: -0.000+/-0.000 χ^2/NDF: 96.2/84

- sign -0.000+/-0.000 χ^2/NDF: 40.3/42

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3476971.0/16

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3649791.5/19

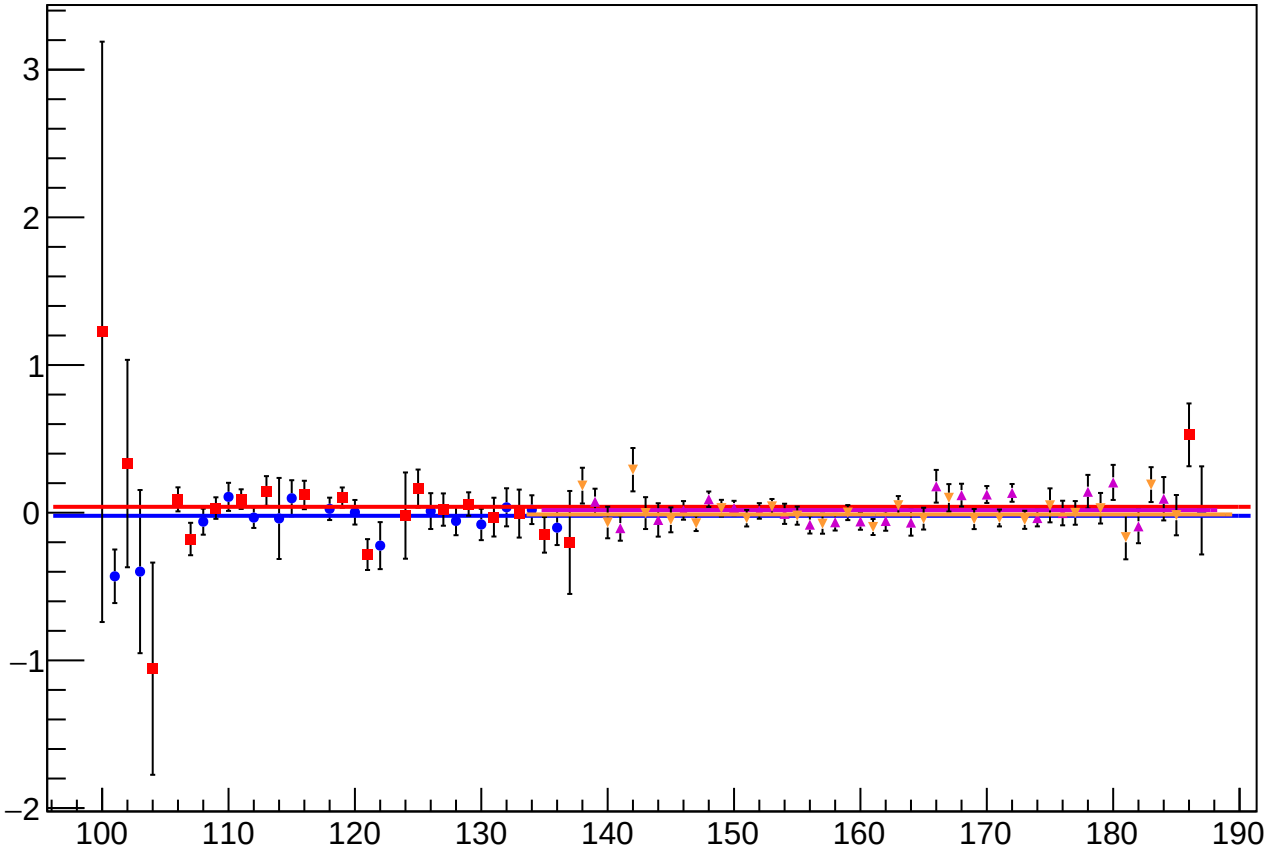
Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 8189397.6/41

All: 0.002+/-0.000 χ^2/NDF: 17314308.2/84

- sign 0.002+/-0.000 χ^2/NDF: 8922424.2/42

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.040+/-0.024 χ^2/NDF: 29.7/19

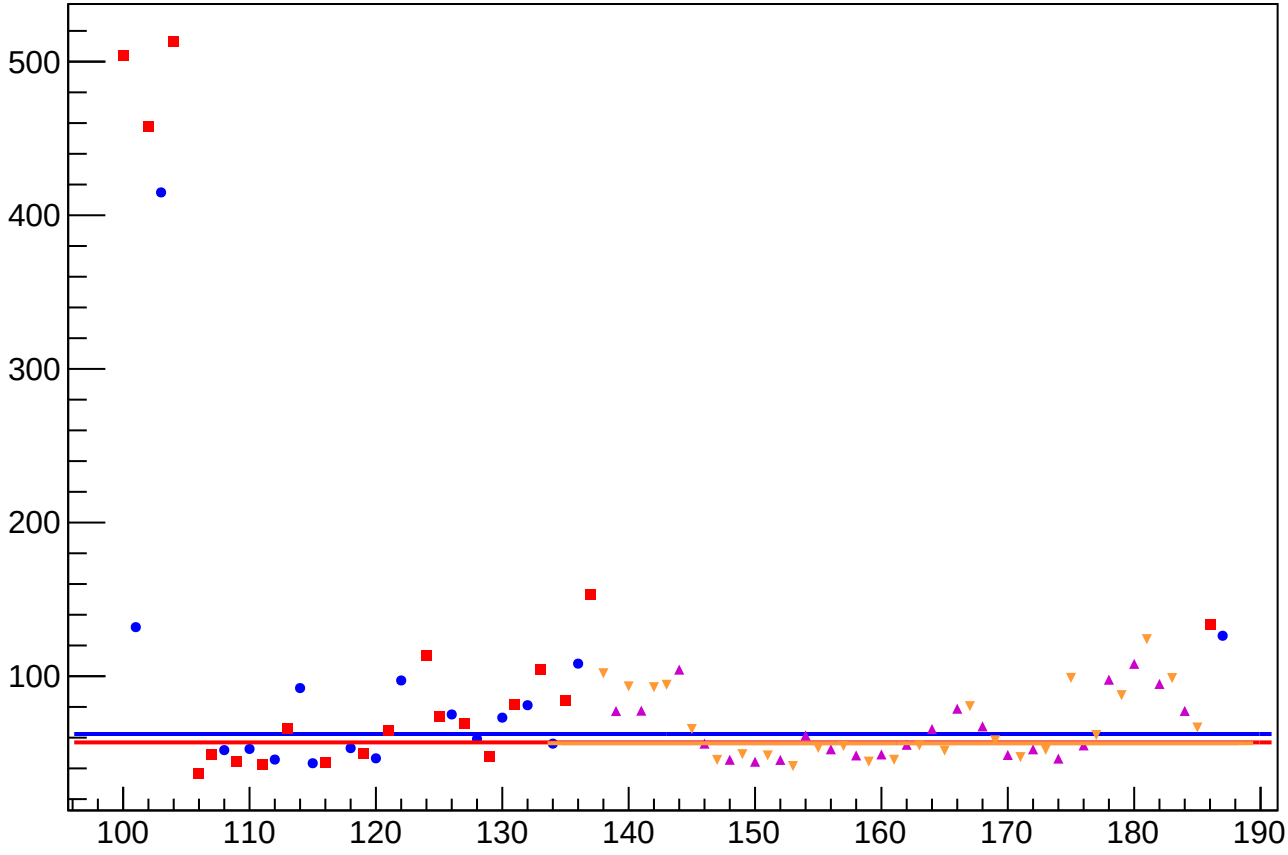
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/41

All: 0.005+/-0.009 χ^2/NDF: 99.2/84

- sign 0.023+/-0.012 χ^2/NDF: 60.9/42

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.382+/-0.019 χ^2/NDF: 2030496.2/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

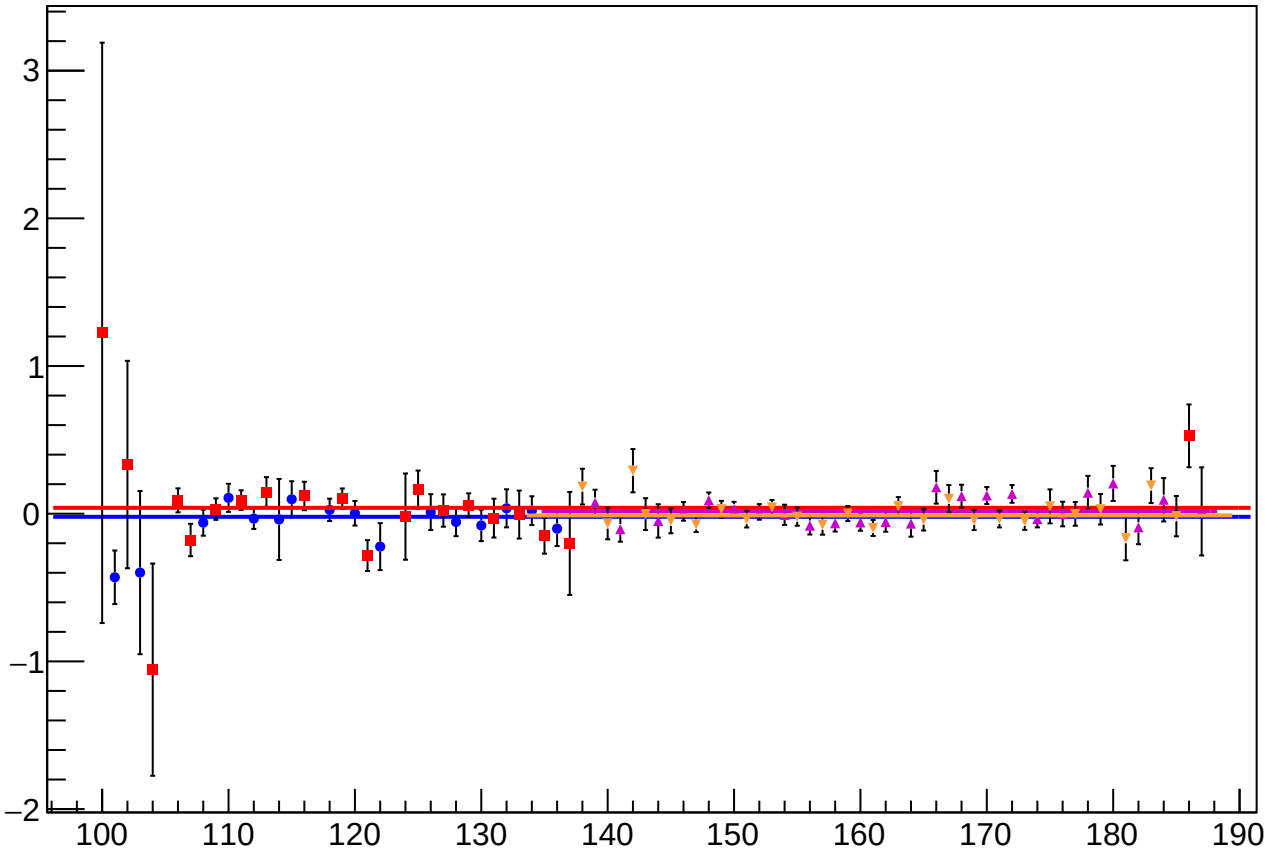
Right Out: 56.916+/-0.017 χ^2/NDF: 2857097.5/19

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.735+/-0.009 χ^2/NDF: 4907680.6/41

All: 57.153+/-0.006 χ^2/NDF: 9913788.0/84

- sign 56.584+/-0.009 χ^2/NDF: 4997660.7/42



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

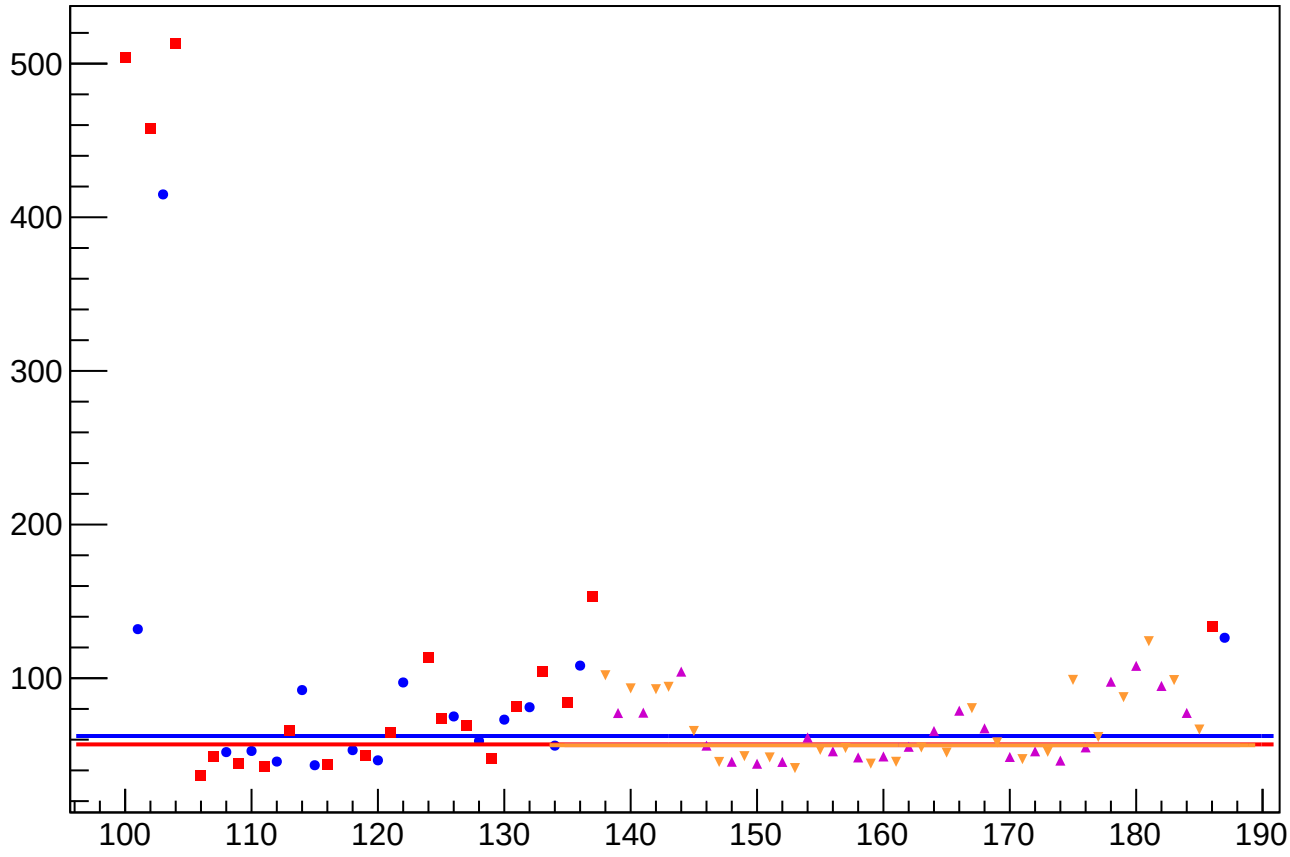
Right Out: 0.040+/-0.024 χ^2/NDF: 29.7/19

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.014+/-0.013 χ^2/NDF: 33.9/41

All: 0.005+/-0.009 χ^2/NDF: 99.2/84

- sign 0.023+/-0.012 χ^2/NDF: 60.9/42



Right In: 62.382+/-0.019 χ^2/NDF: 2030496.2/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

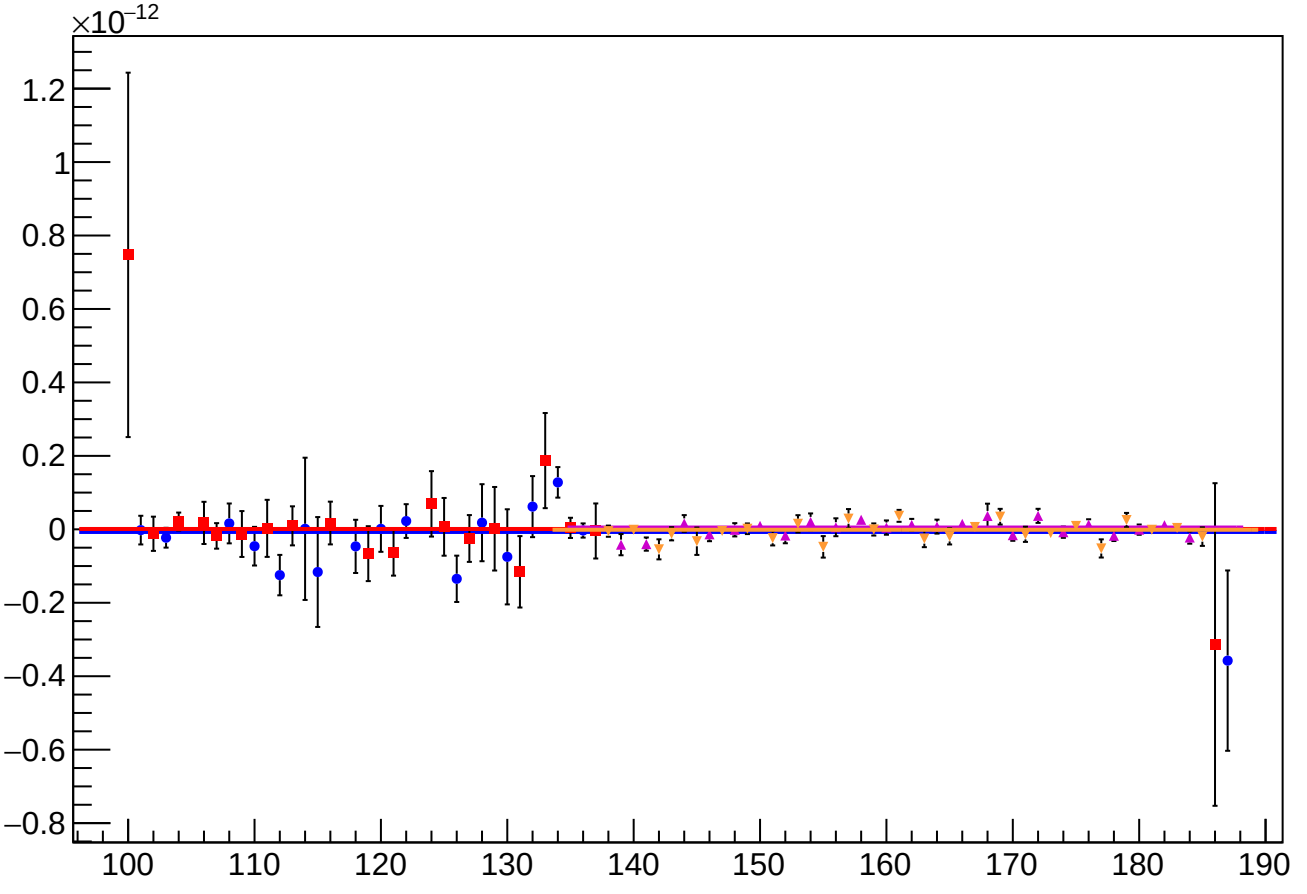
Right Out: 56.916+/-0.017 χ^2/NDF: 2857097.5/19

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 57.735+/-0.009 χ^2/NDF: 4907680.6/41

All: 57.153+/-0.006 χ^2/NDF: 9913788.0/84

- sign 56.584+/-0.009 χ^2/NDF: 4997660.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

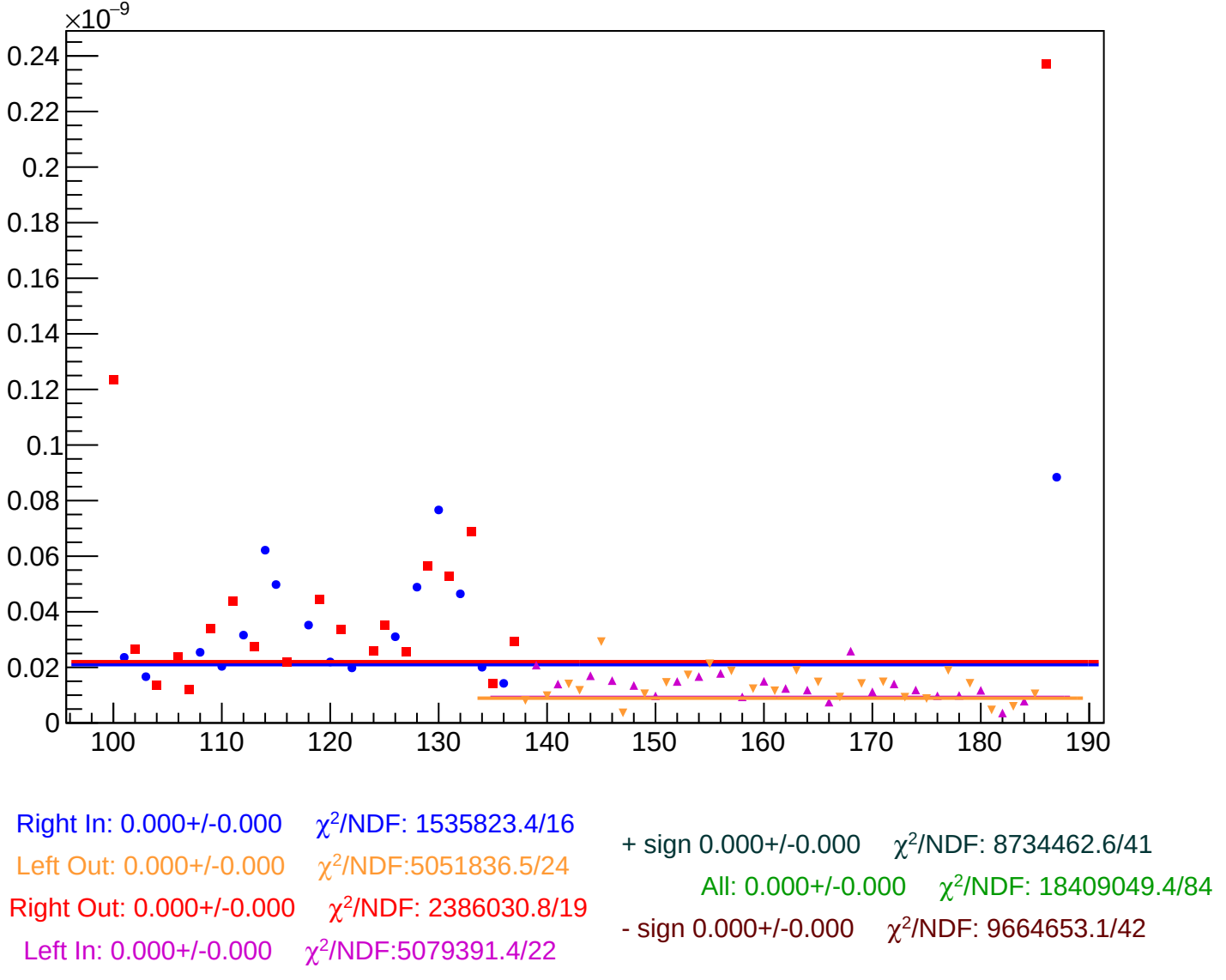
Right Out: 0.000+/-0.000 χ^2/NDF: 10.2/19

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

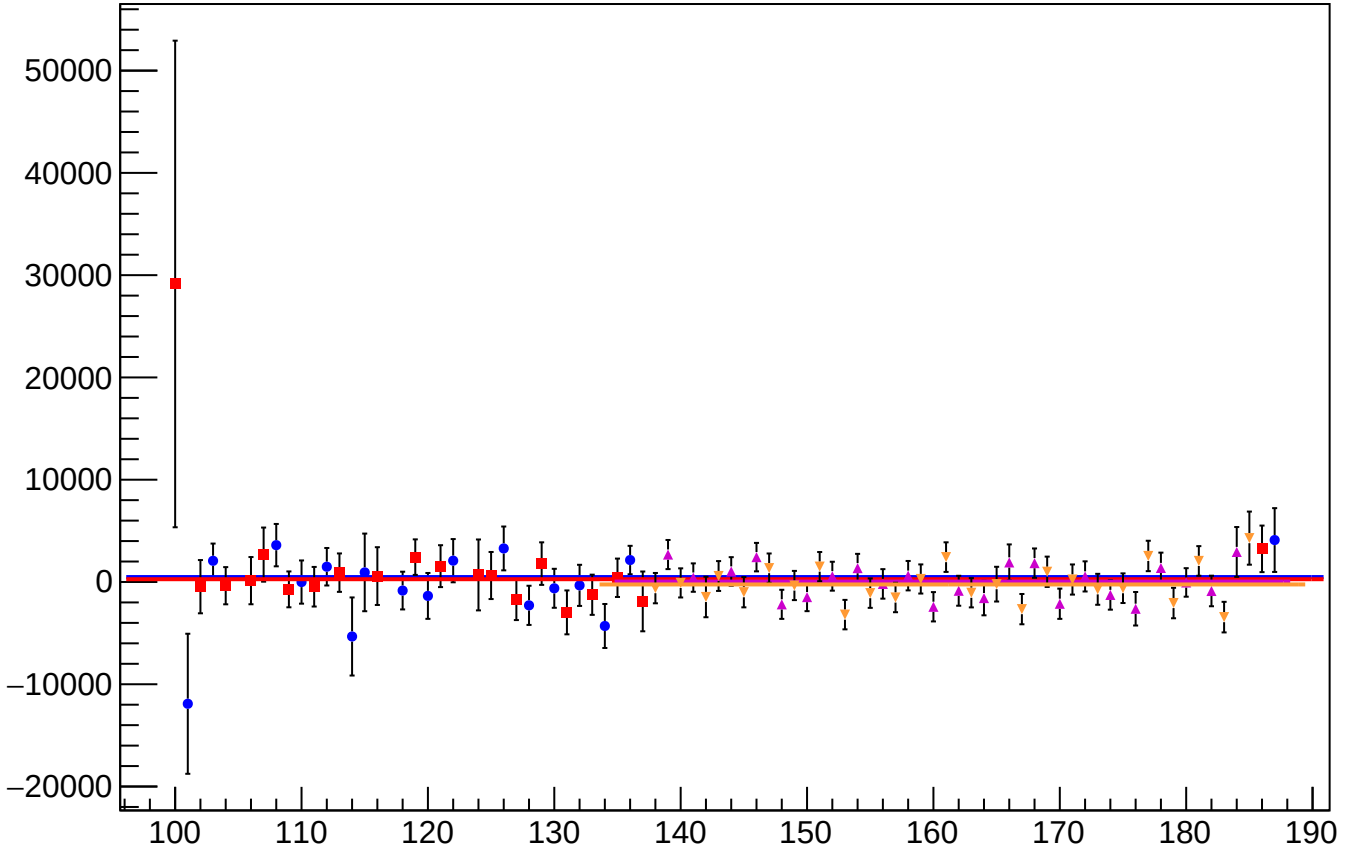
+ sign -0.000+/-0.000 χ^2/NDF: 54.5/41

All: 0.000+/-0.000 χ^2/NDF: 95.6/84

- sign 0.000+/-0.000 χ^2/NDF: 38.7/42


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1535823.4/16
Left Out: 0.000+/-0.000 χ²/NDF:5051836.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2386030.8/19
Left In: 0.000+/-0.000 χ²/NDF:5079391.4/22
+ sign 0.000+/-0.000 χ²/NDF: 8734462.6/41
All: 0.000+/-0.000 χ²/NDF: 18409049.4/84
- sign 0.000+/-0.000 χ²/NDF: 9664653.1/42

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 481.143+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 271.600+/-489.281 χ^2/NDF: 11.8/19

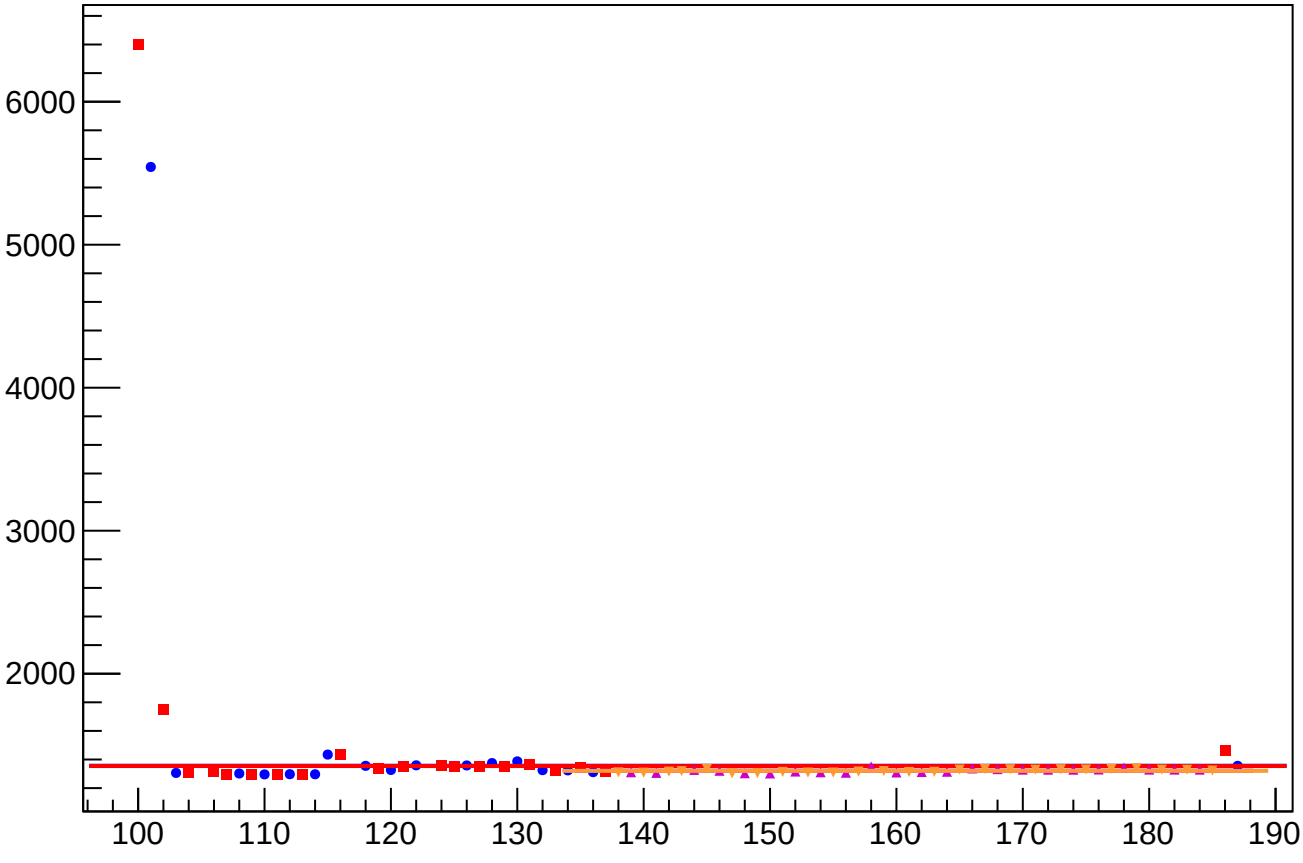
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -55.689+/-258.689 χ^2/NDF: 56.1/41

All: 24.075+/-183.744 χ^2/NDF: 95.3/84

- sign 105.291+/-261.032 χ^2/NDF: 39.0/42

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.376+/-0.361 χ^2/NDF: 760266.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

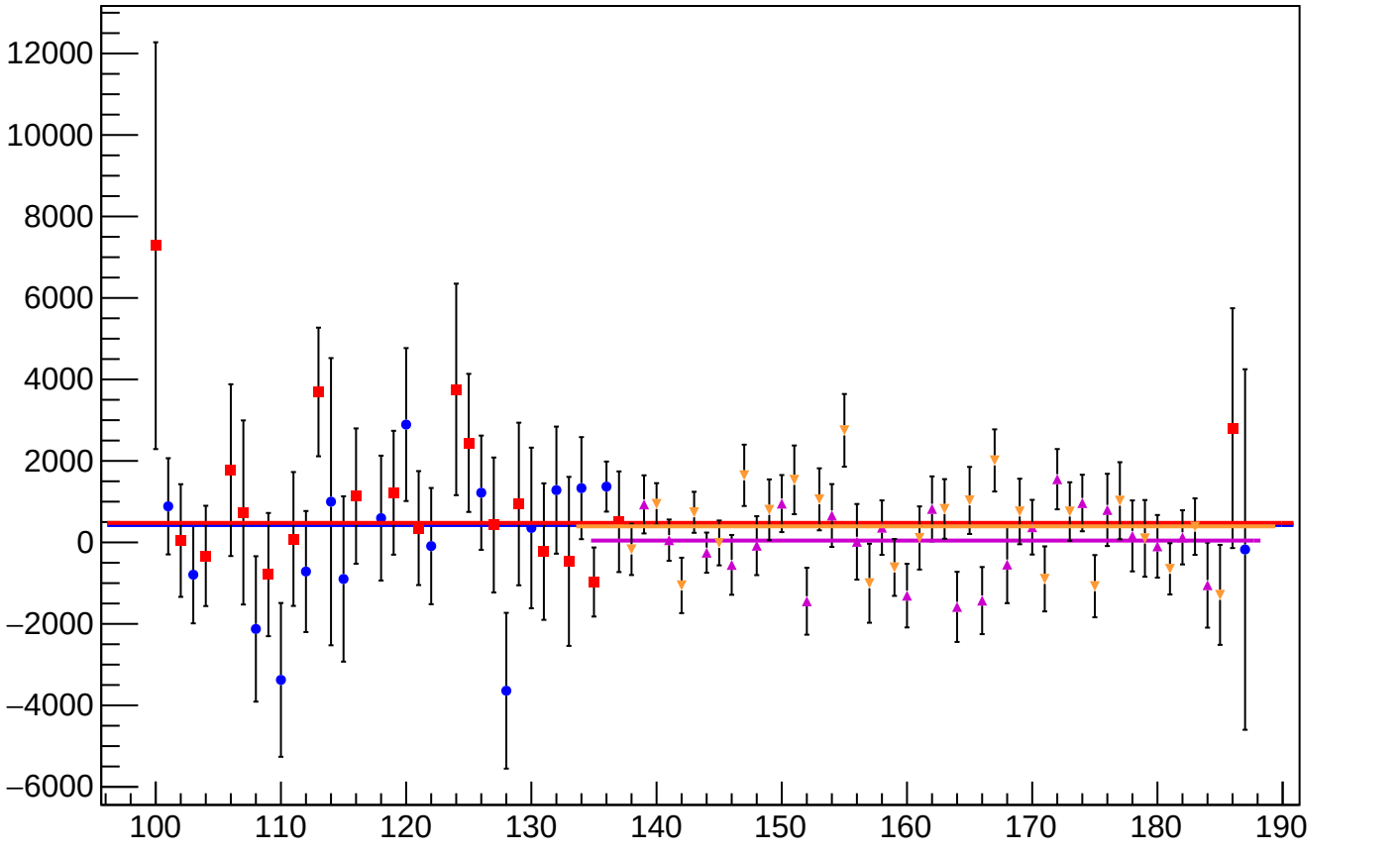
Right Out: 1354.311+/-0.346 χ^2/NDF: 152178.3/19

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.880+/-0.183 χ^2/NDF: 770106.3/41

All: 1330.455+/-0.130 χ^2/NDF: 932181.7/84

- sign 1331.041+/-0.185 χ^2/NDF: 162055.4/42



Right In: 426.844+/-337.473 χ^2/NDF: 18.3/16

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 478.504+/-353.027 χ^2/NDF: 15.0/19

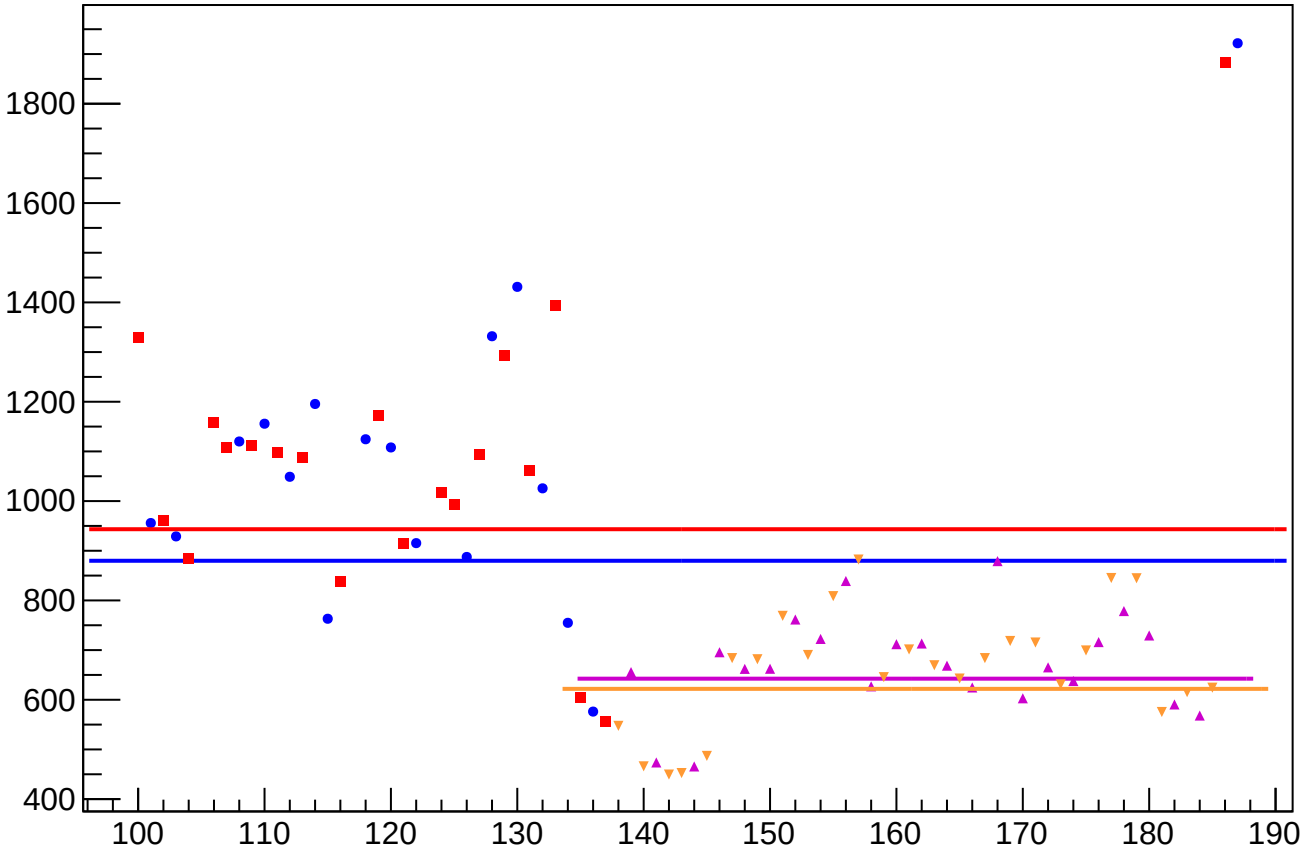
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 399.557+/-132.883 χ^2/NDF: 60.1/41

All: 263.544+/-96.337 χ^2/NDF: 106.2/84

- sign 112.859+/-139.867 χ^2/NDF: 43.9/42

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 879.830+/-0.239 χ^2/NDF: 1126436.4/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 943.365+/-0.250 χ^2/NDF: 1067124.7/19

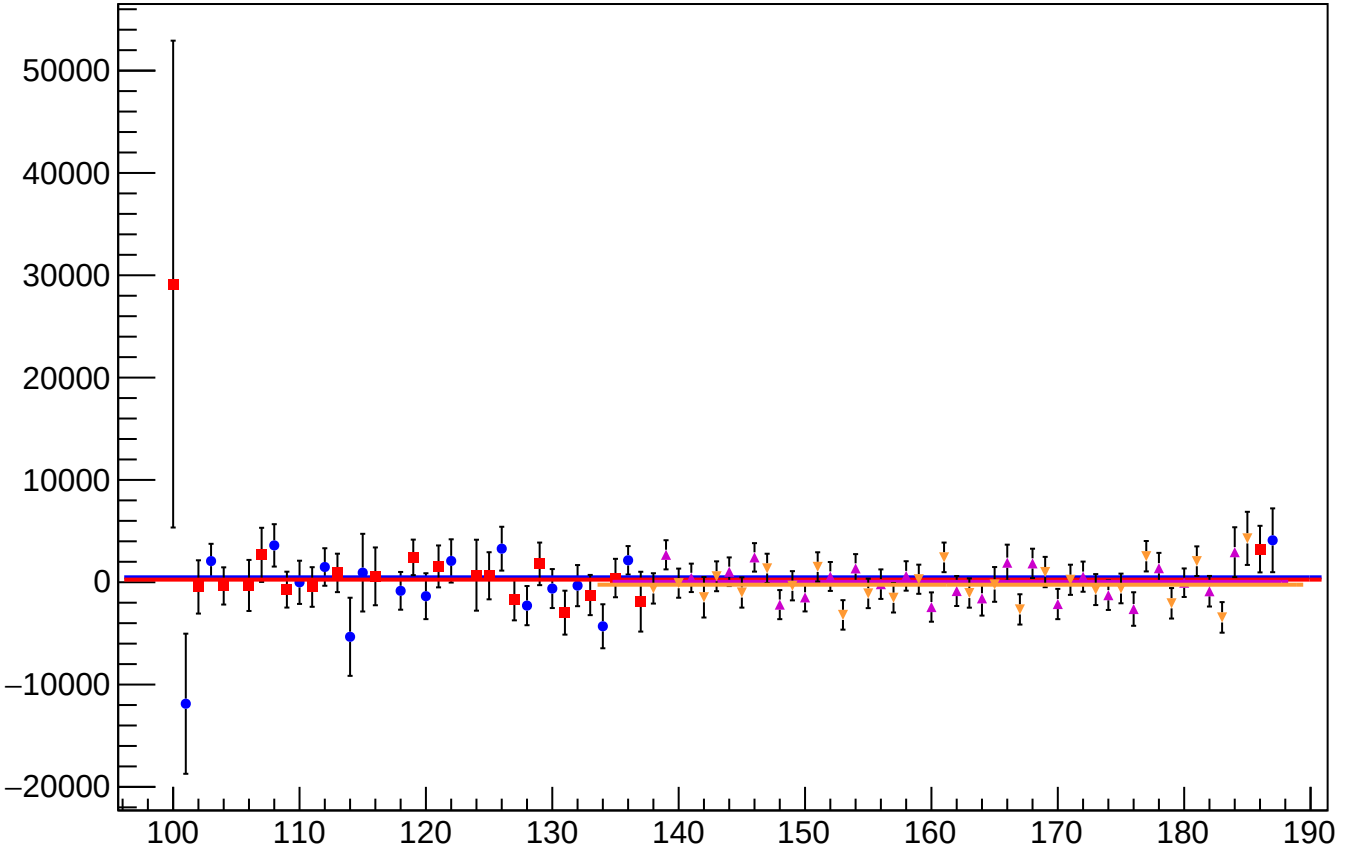
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 661.934+/-0.094 χ^2/NDF: 3496687.5/41

All: 675.107+/-0.068 χ^2/NDF: 6756438.6/84

- sign 689.701+/-0.099 χ^2/NDF: 3218319.6/42

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 481.439+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 255.705+/-490.873 χ^2/NDF: 11.8/19

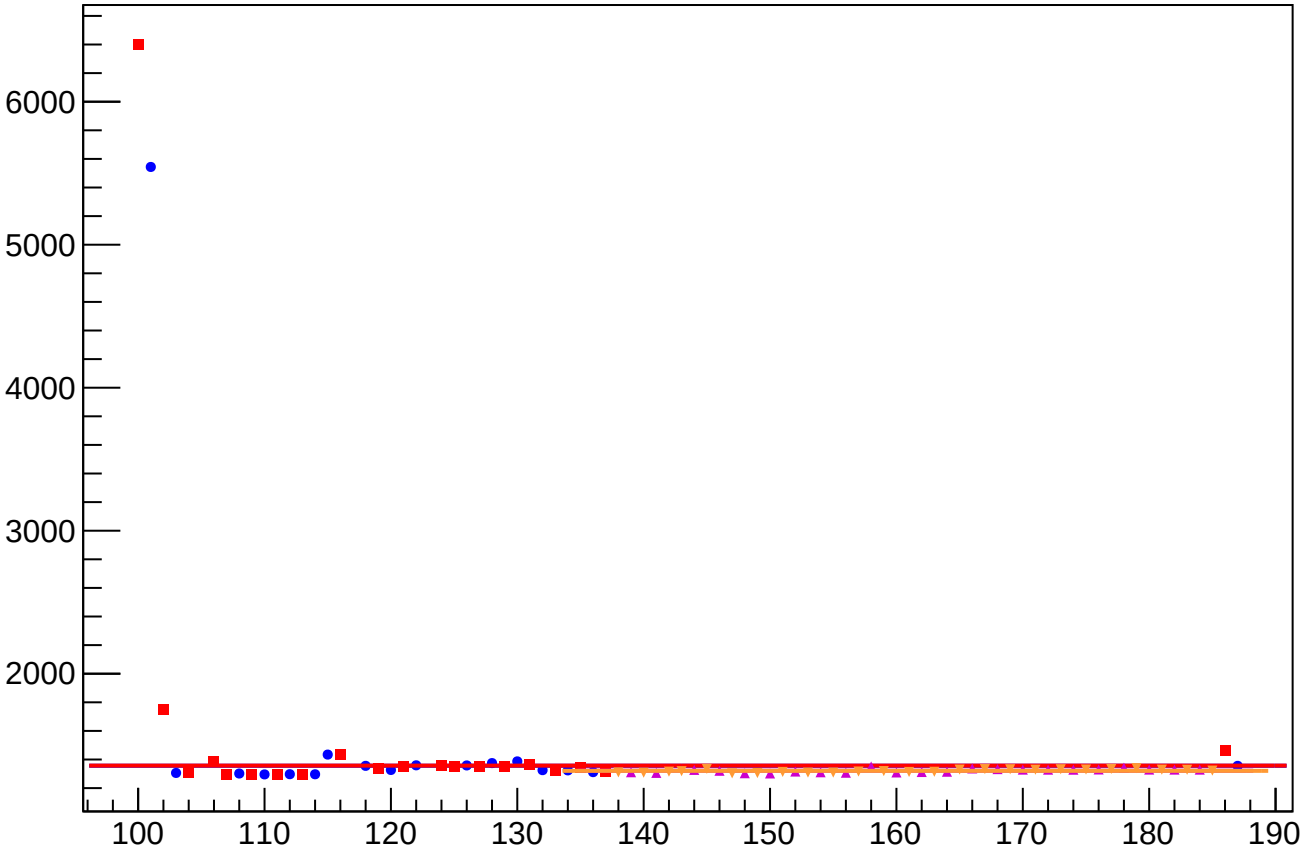
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -55.615+/-258.689 χ^2/NDF: 56.1/41

All: 21.683+/-183.828 χ^2/NDF: 95.3/84

- sign 100.531+/-261.273 χ^2/NDF: 39.1/42

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.376+/-0.361 χ^2/NDF: 760265.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1357.310+/-0.347 χ^2/NDF: 151976.9/19

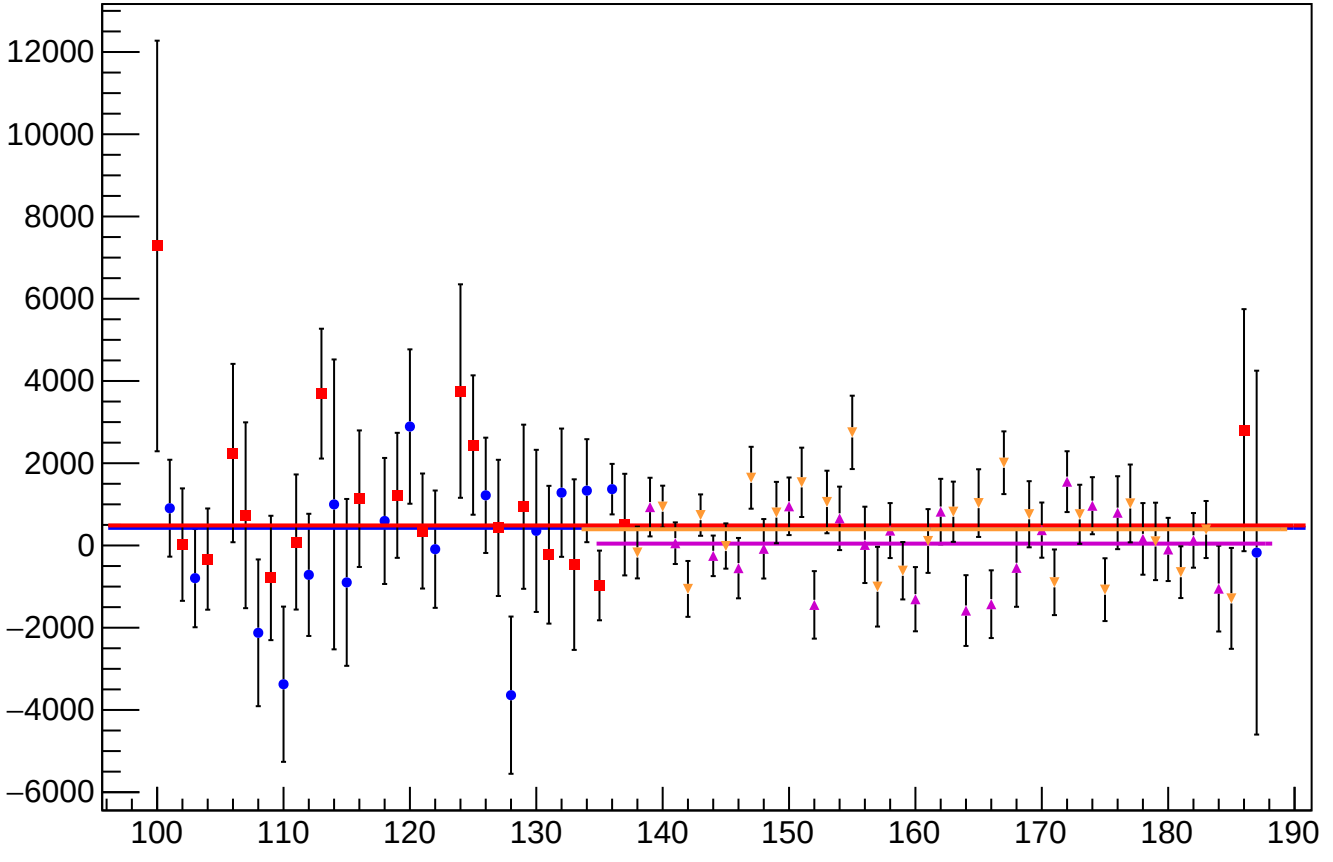
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.880+/-0.183 χ^2/NDF: 770105.3/41

All: 1330.854+/-0.130 χ^2/NDF: 933201.4/84

- sign 1331.848+/-0.185 χ^2/NDF: 163038.8/42

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 428.609+/-337.417 χ^2/NDF: 18.3/16

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 486.865+/-353.032 χ^2/NDF: 15.3/19

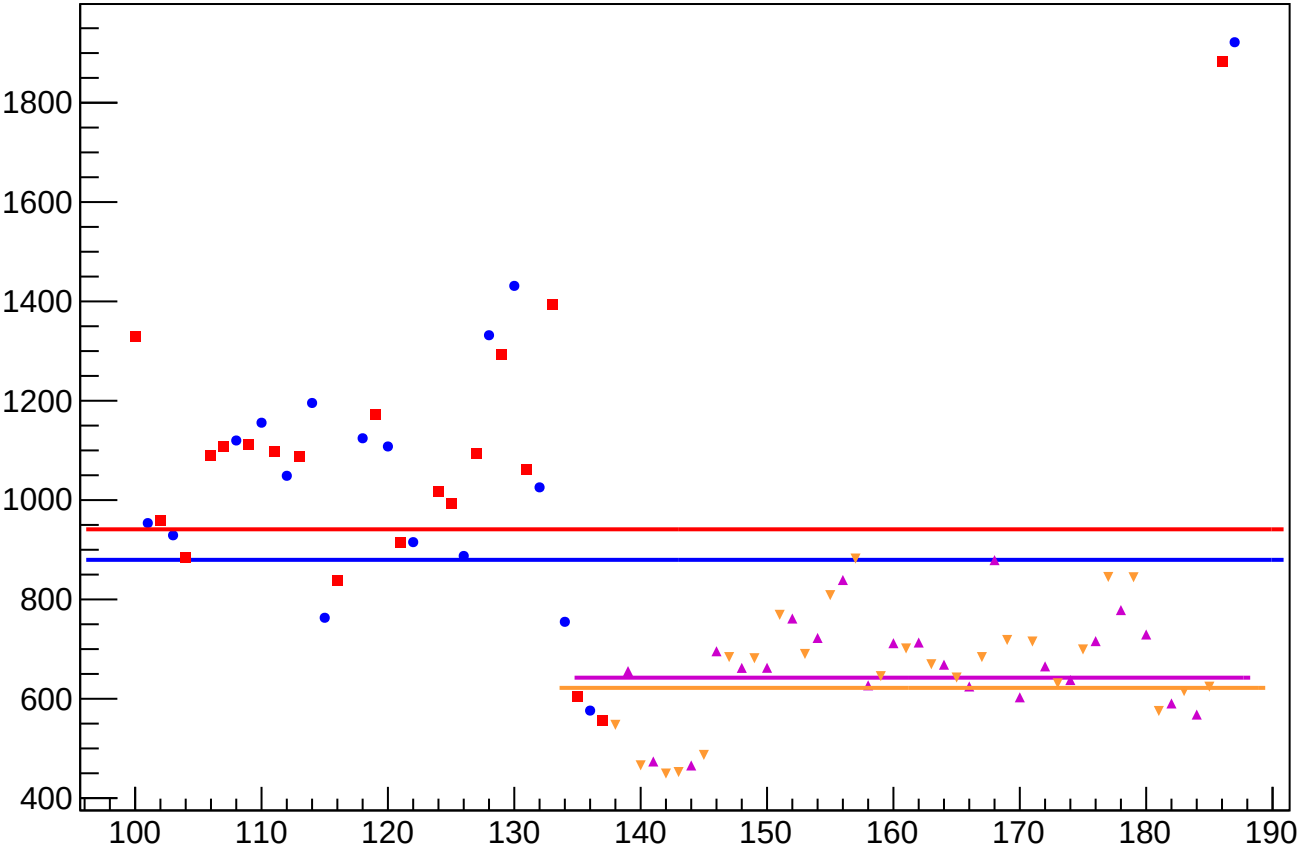
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 399.808+/-132.880 χ^2/NDF: 60.1/41

All: 264.297+/-96.335 χ^2/NDF: 106.5/84

- sign 114.160+/-139.866 χ^2/NDF: 44.2/42

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 879.702+/-0.239 χ^2/NDF: 1126009.9/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 941.168+/-0.250 χ^2/NDF: 1055538.6/19

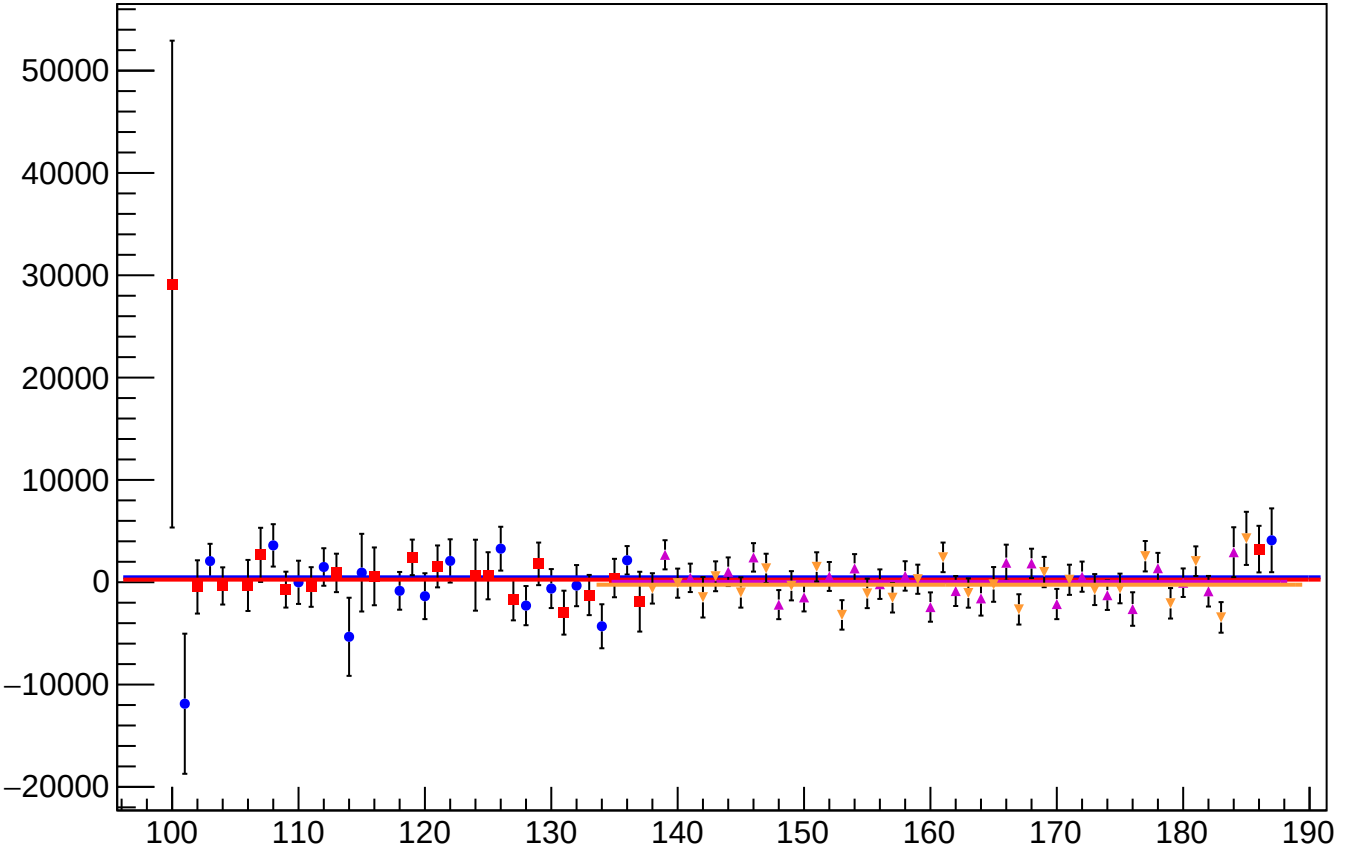
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 661.925+/-0.094 χ^2/NDF: 3495461.7/41

All: 674.936+/-0.068 χ^2/NDF: 6724851.7/84

- sign 689.351+/-0.099 χ^2/NDF: 3188971.3/42

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 481.439+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 255.705+/-490.873 χ^2/NDF: 11.8/19

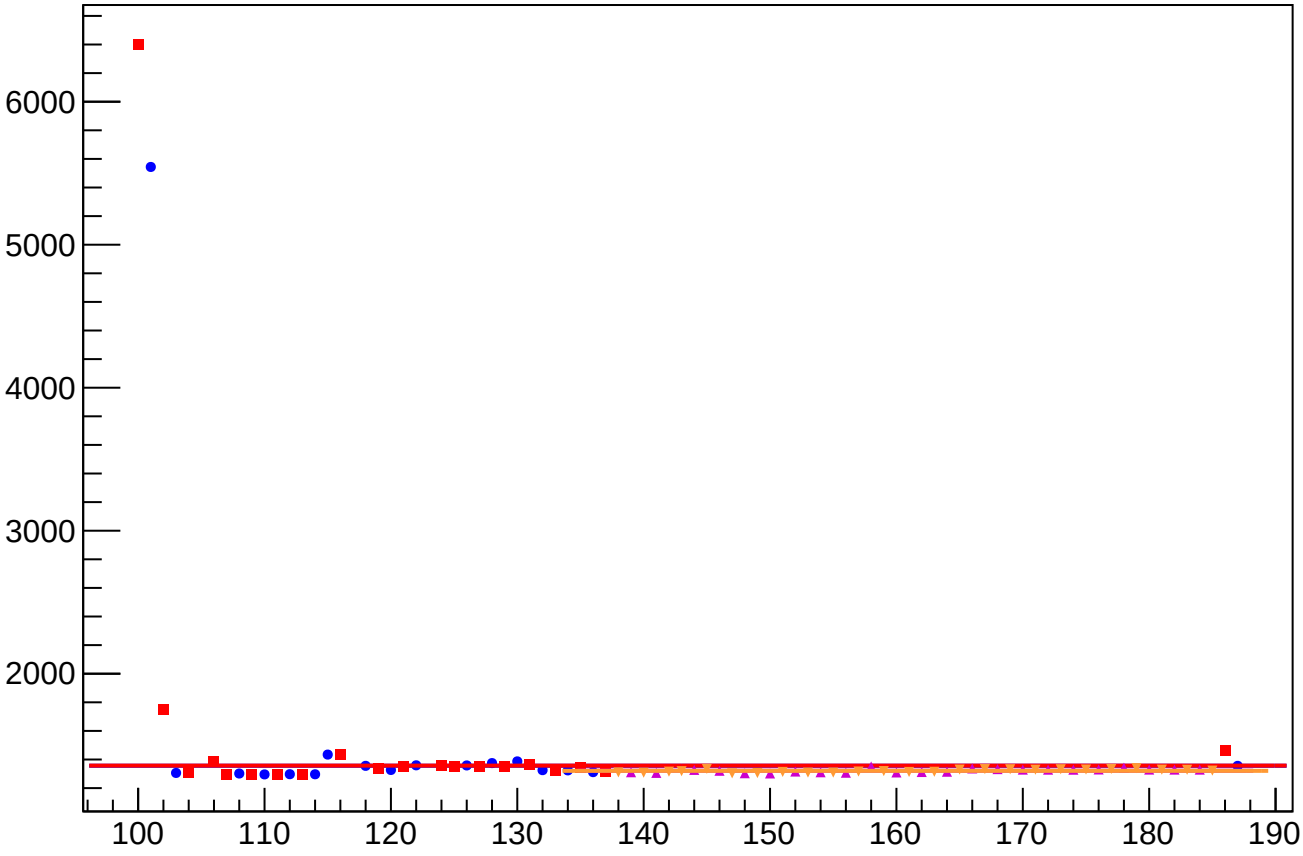
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -55.615+/-258.689 χ^2/NDF: 56.1/41

All: 21.683+/-183.828 χ^2/NDF: 95.3/84

- sign 100.531+/-261.273 χ^2/NDF: 39.1/42

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1356.376+/-0.361 χ^2/NDF: 760265.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

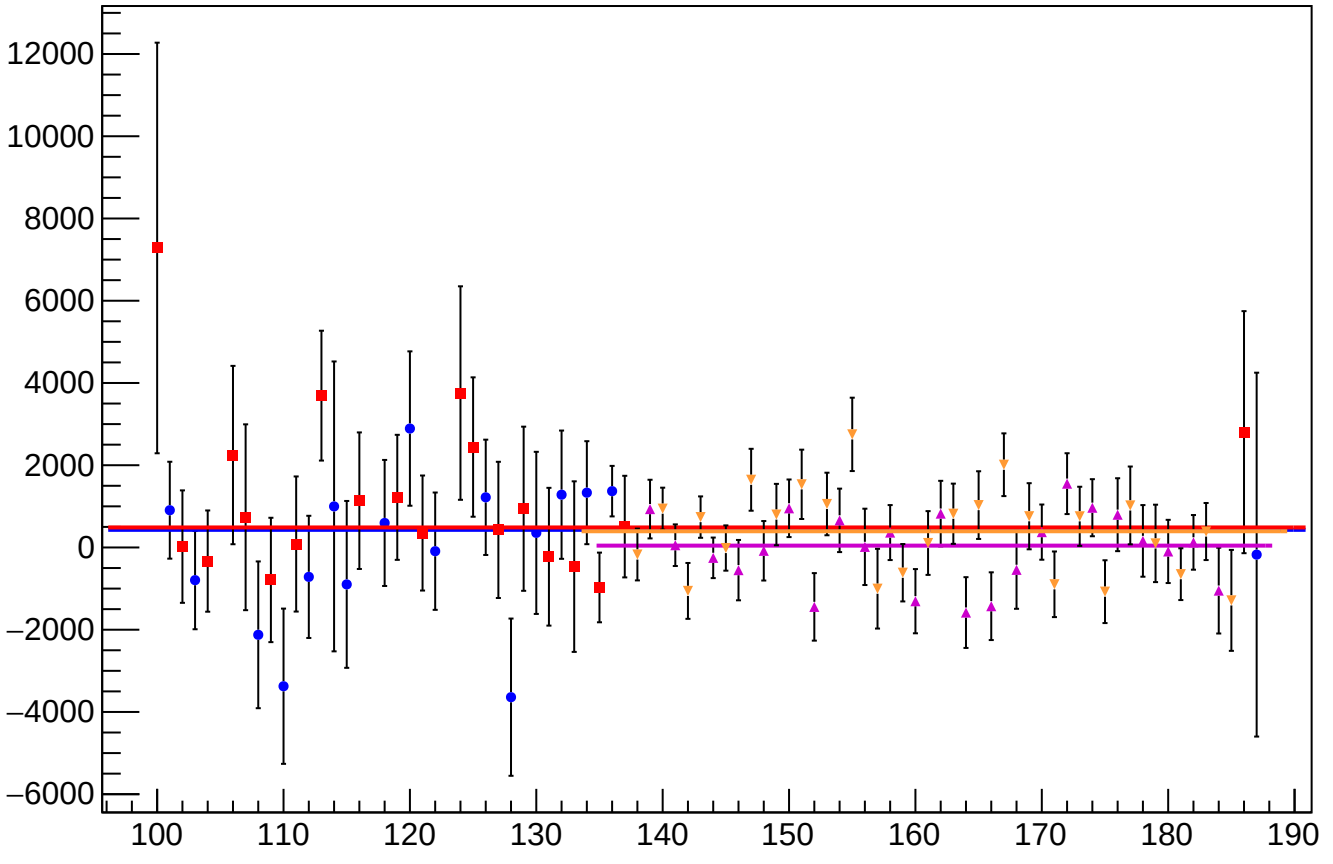
Right Out: 1357.310+/-0.347 χ^2/NDF: 151976.9/19

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.880+/-0.183 χ^2/NDF: 770105.3/41

All: 1330.854+/-0.130 χ^2/NDF: 933201.4/84

- sign 1331.848+/-0.185 χ^2/NDF: 163038.8/42



Right In: 428.609+/-337.417 χ^2/NDF: 18.3/16

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 486.865+/-353.032 χ^2/NDF: 15.3/19

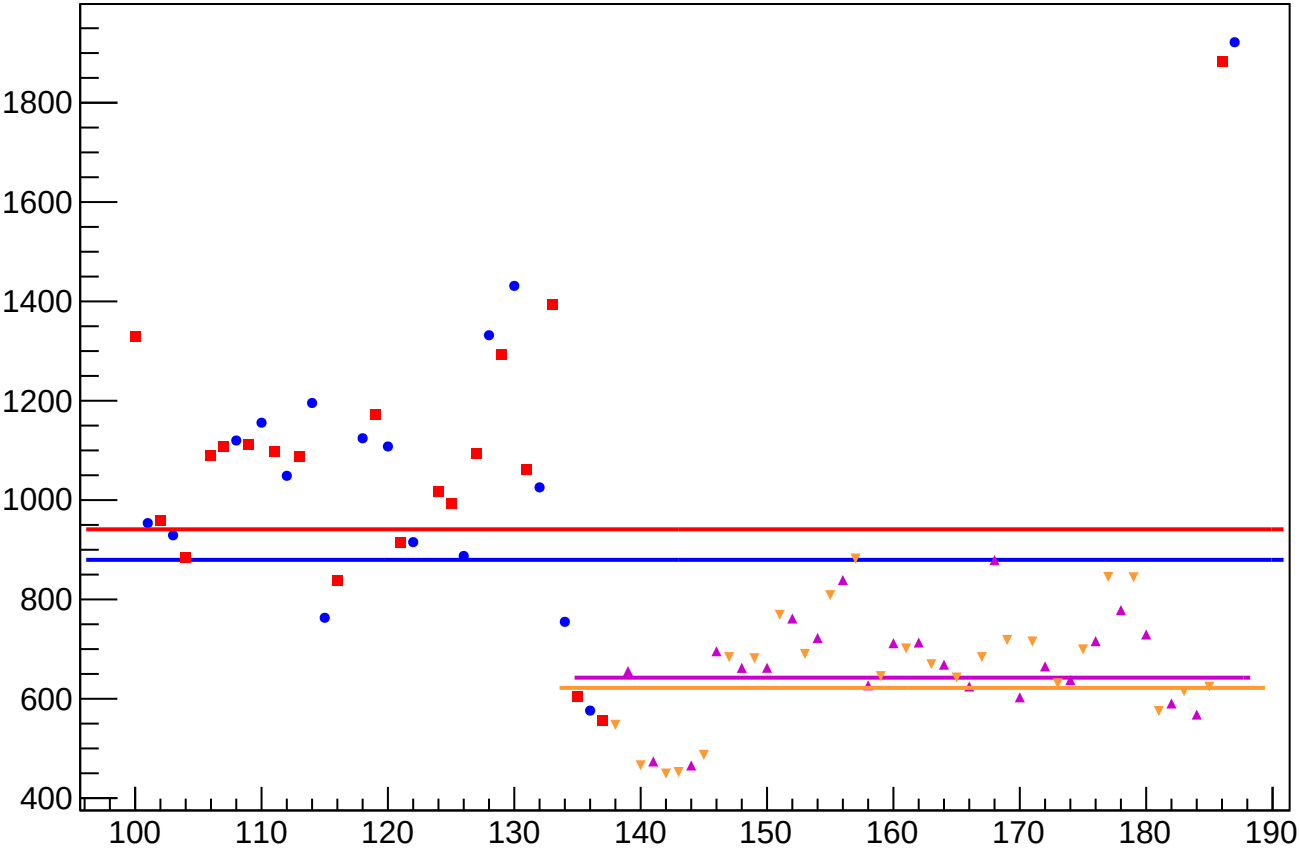
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 399.808+/-132.880 χ^2/NDF: 60.1/41

All: 264.297+/-96.335 χ^2/NDF: 106.5/84

- sign 114.160+/-139.866 χ^2/NDF: 44.2/42

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug



Right In: 879.702+/-0.239 χ^2/NDF: 1126009.9/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 941.168+/-0.250 χ^2/NDF: 1055538.6/19

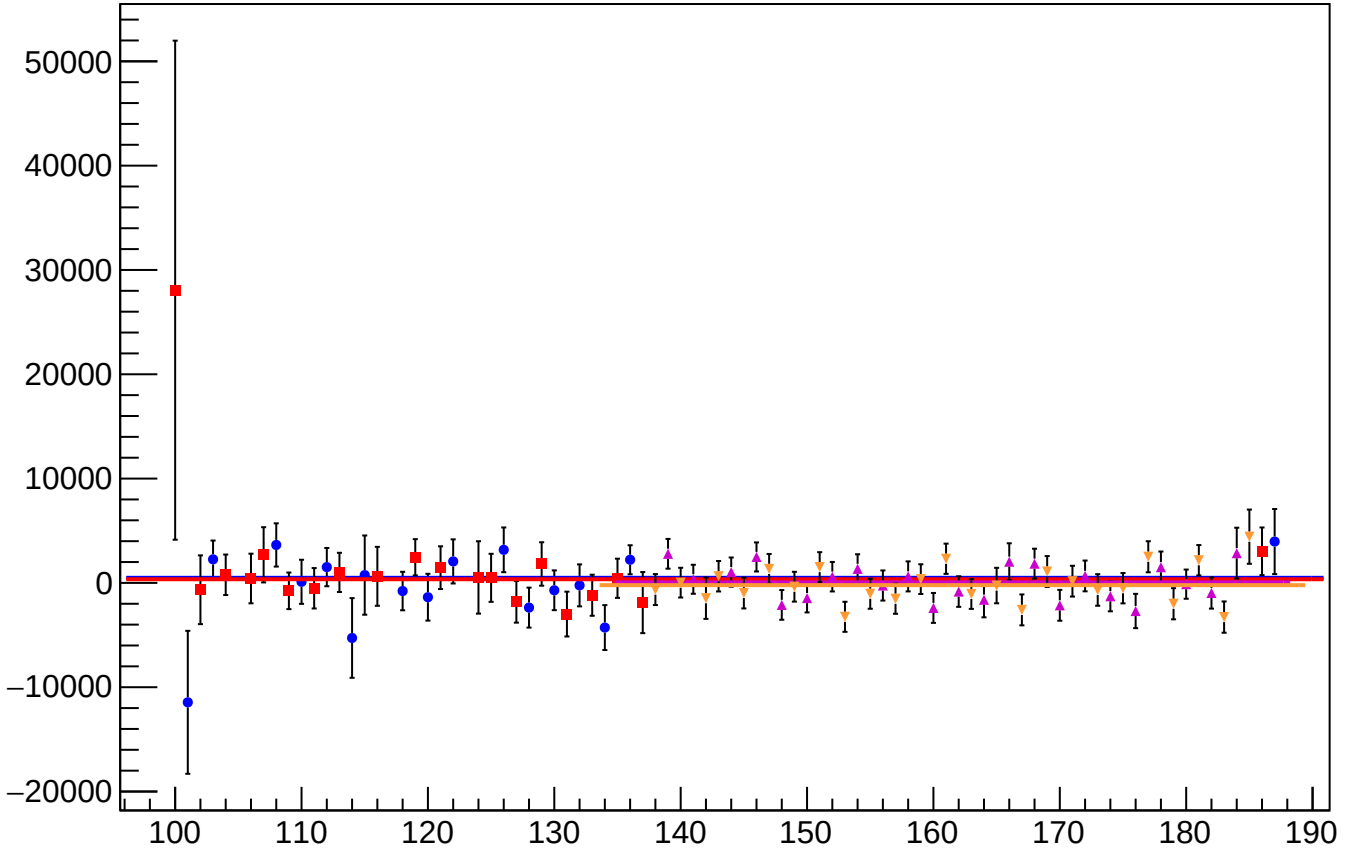
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 661.925+/-0.094 χ^2/NDF: 3495461.7/41

All: 674.936+/-0.068 χ^2/NDF: 6724851.7/84

- sign 689.351+/-0.099 χ^2/NDF: 3188971.3/42

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 486.880+/-514.044 χ^2/NDF: 22.7/16

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 350.876+/-495.798 χ^2/NDF: 11.4/19

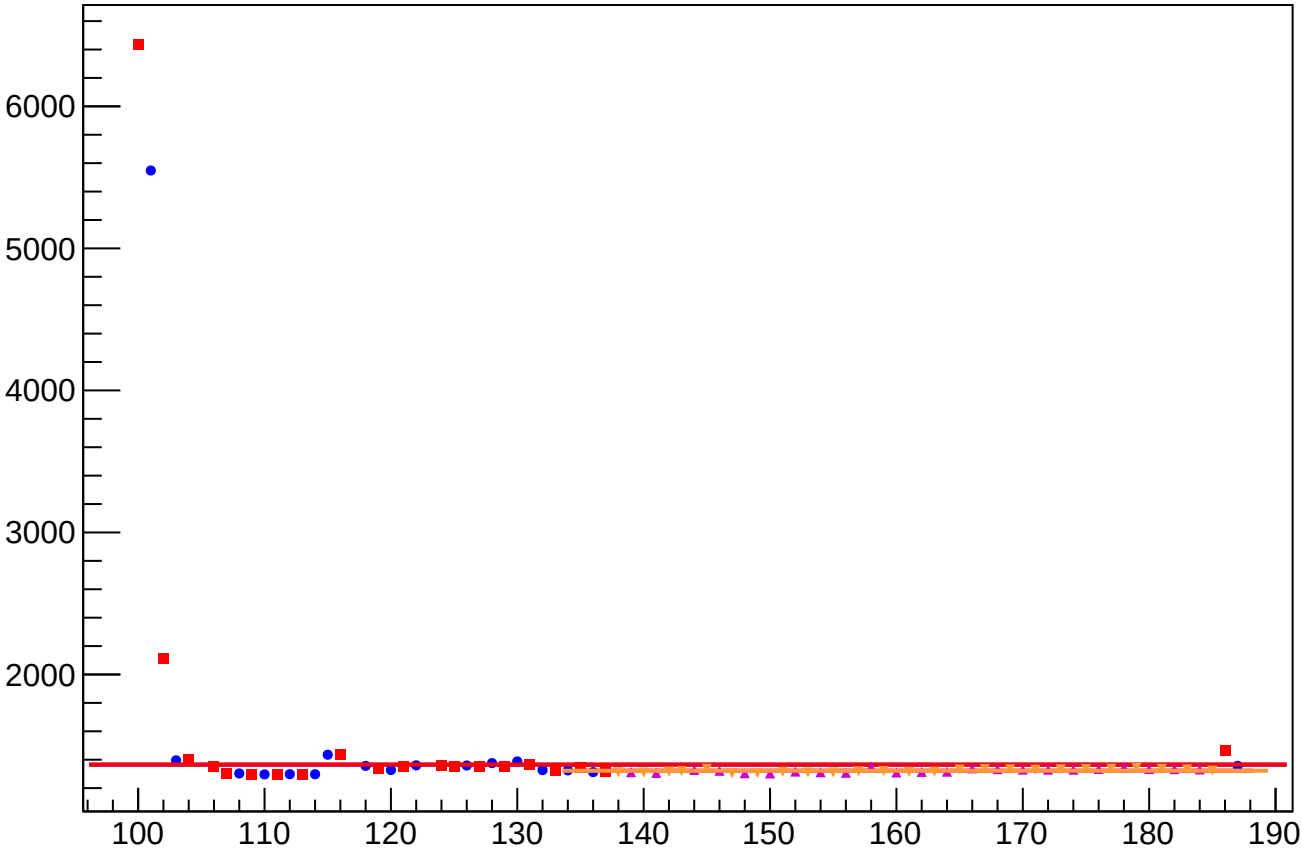
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -36.366+/-259.347 χ^2/NDF: 55.3/41

All: 48.045+/-184.397 χ^2/NDF: 95.1/84

- sign 134.343+/-262.231 χ^2/NDF: 39.5/42

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.068+/-0.363 χ^2/NDF: 758959.6/16

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1365.841+/-0.351 χ^2/NDF: 209539.3/19

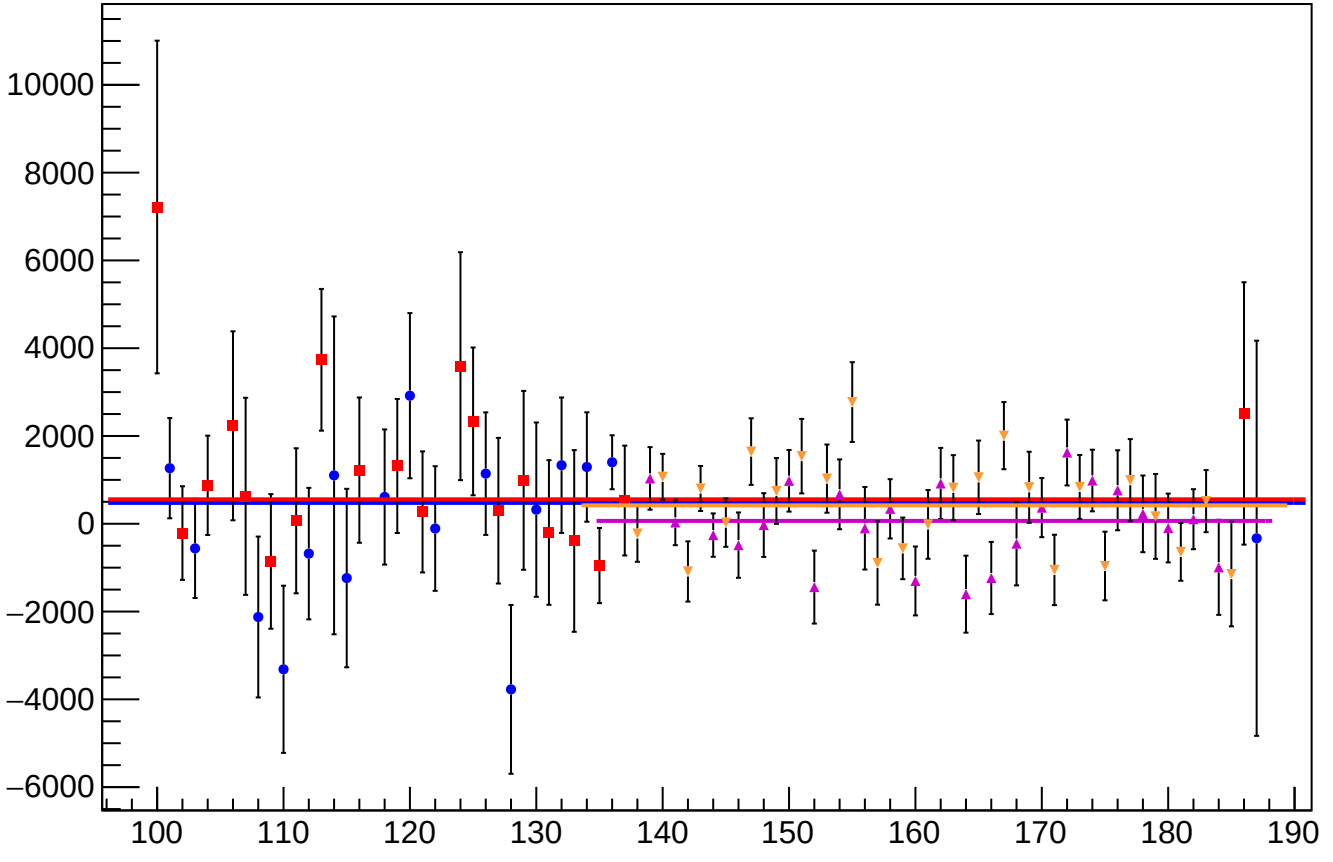
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.238+/-0.183 χ^2/NDF: 772178.5/41

All: 1334.222+/-0.130 χ^2/NDF: 996219.3/84

- sign 1335.228+/-0.185 χ^2/NDF: 223982.5/42

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 475.895+/-335.584 χ^2/NDF: 18.6/16

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 556.763+/-343.808 χ^2/NDF: 16.1/19

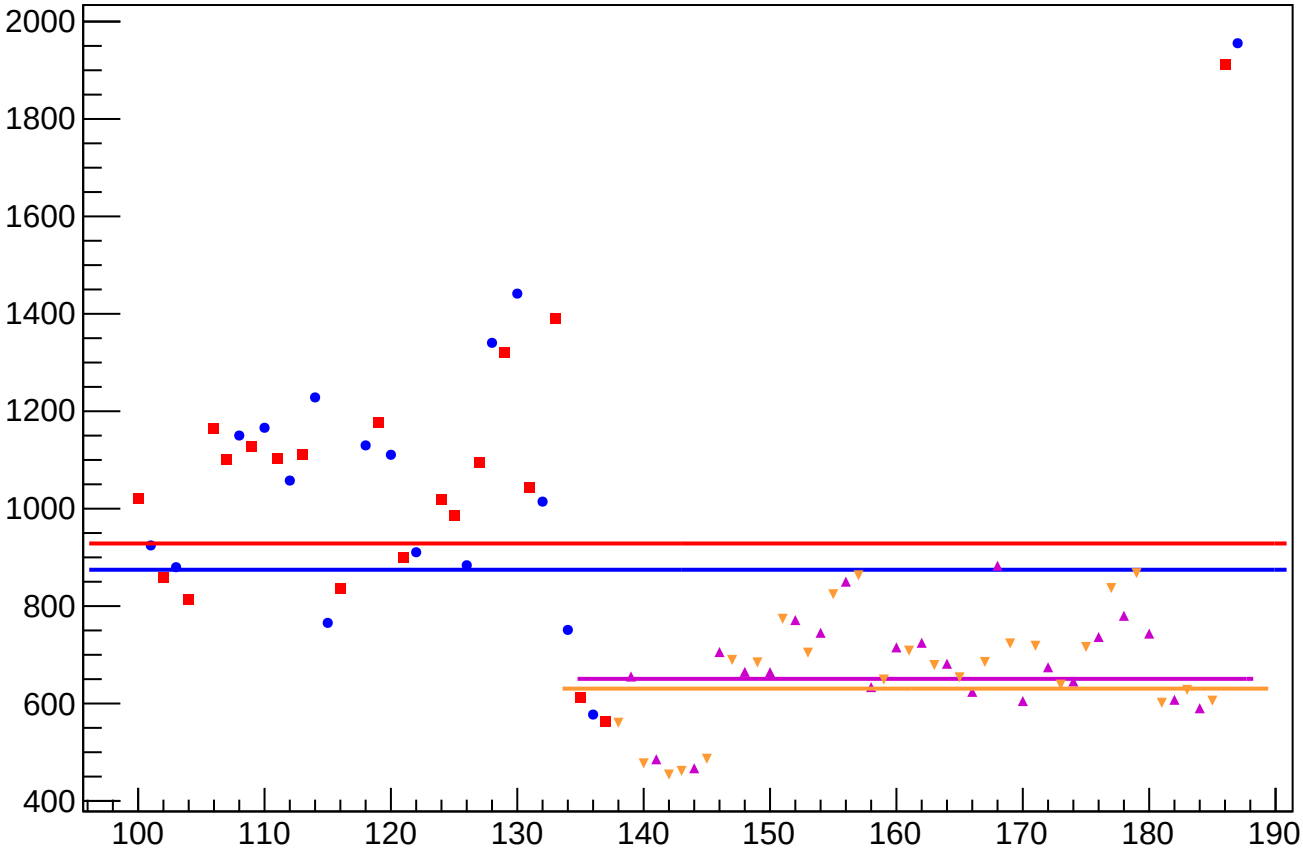
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 428.855+/-134.214 χ^2/NDF: 60.2/41

All: 294.929+/-97.121 χ^2/NDF: 107.1/84

- sign 147.715+/-140.715 χ^2/NDF: 44.8/42

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 874.612+/-0.237 χ^2/NDF: 1137291.7/16

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 928.549+/-0.243 χ^2/NDF: 1078471.3/19

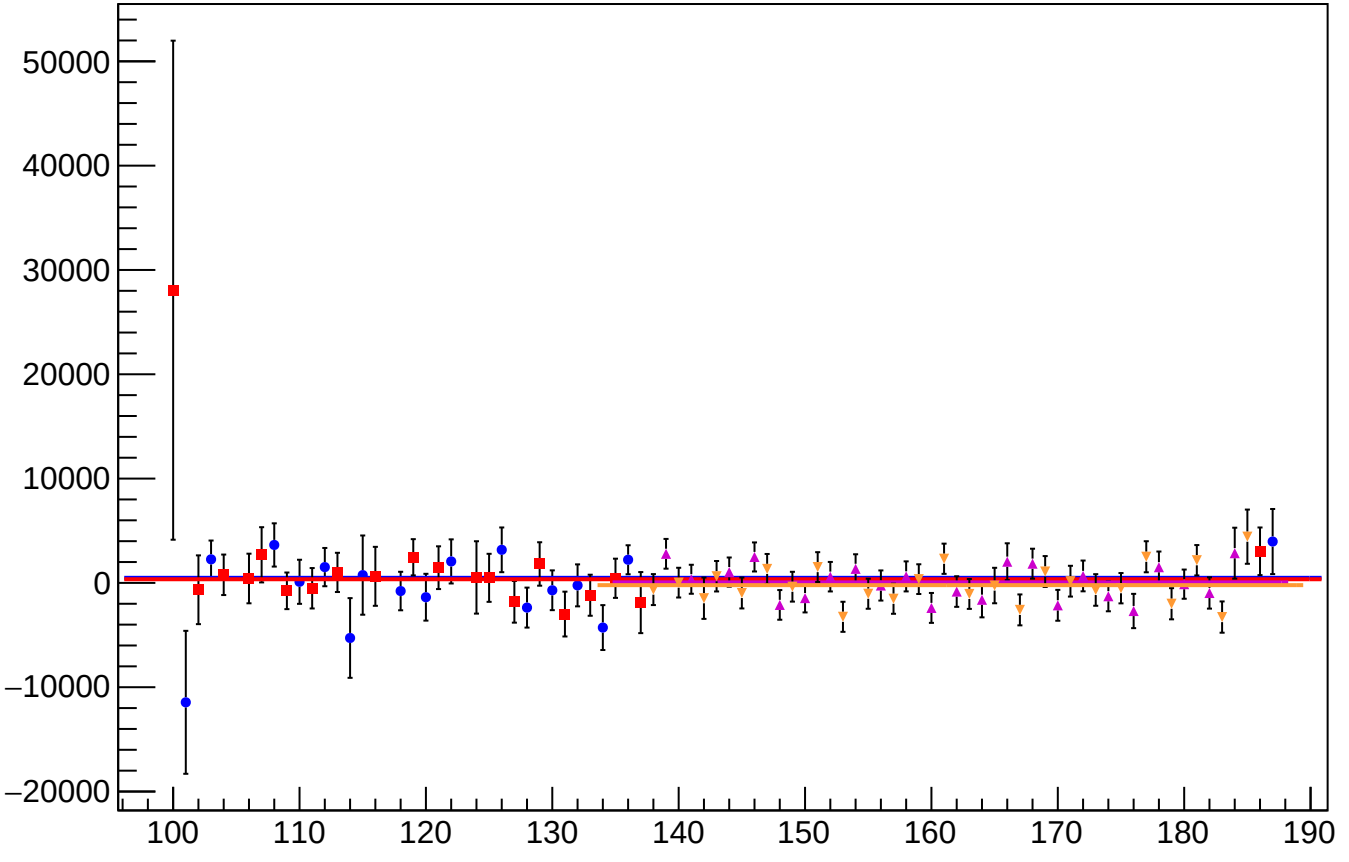
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 669.624+/-0.095 χ^2/NDF: 3354230.5/41

All: 682.756+/-0.069 χ^2/NDF: 6482874.8/84

- sign 697.191+/-0.100 χ^2/NDF: 3088451.1/42

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 486.880+/-514.044 χ^2/NDF: 22.7/16

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 350.873+/-495.798 χ^2/NDF: 11.4/19

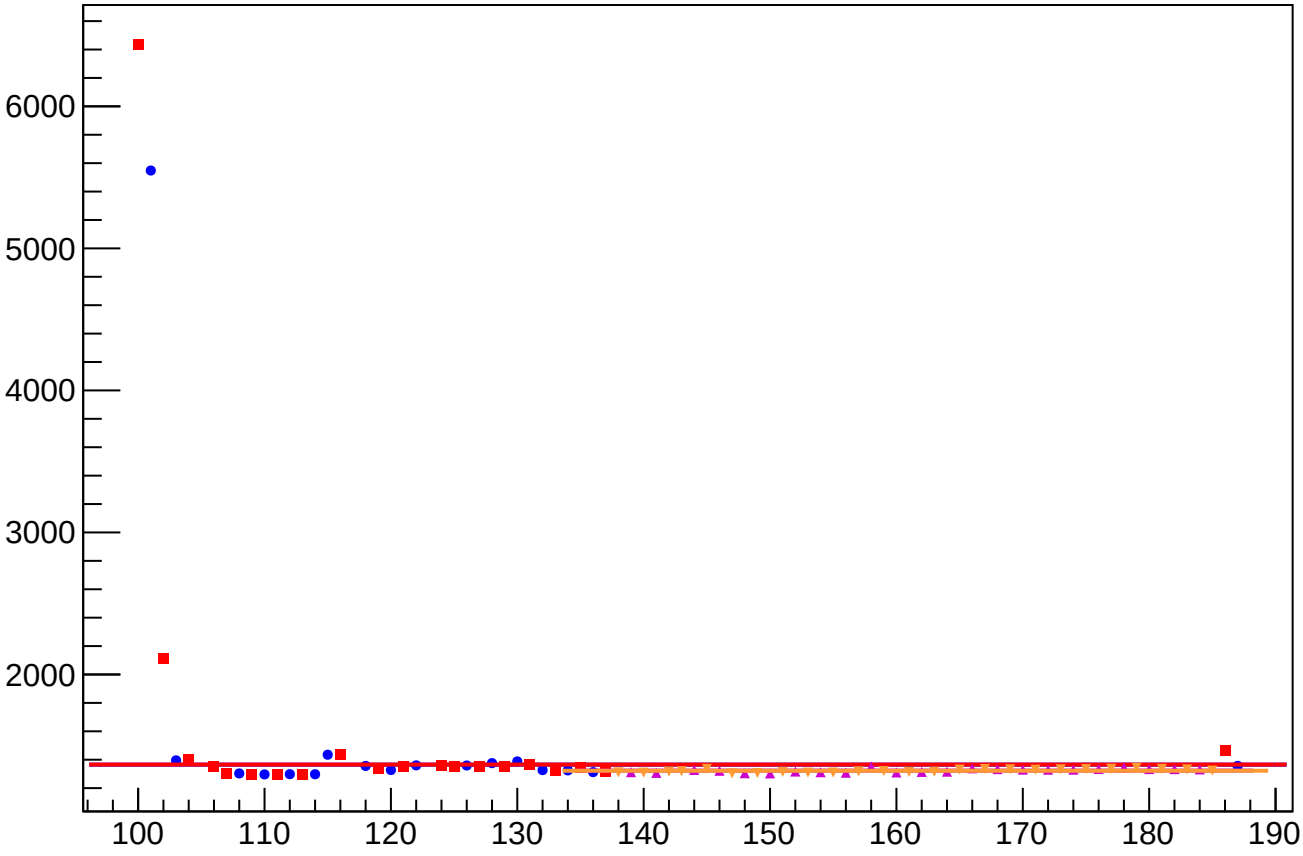
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -36.367+/-259.347 χ^2/NDF: 55.3/41

All: 48.044+/-184.397 χ^2/NDF: 95.1/84

- sign 134.343+/-262.231 χ^2/NDF: 39.5/42

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1365.068+/-0.363 χ^2/NDF: 758959.6/16

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

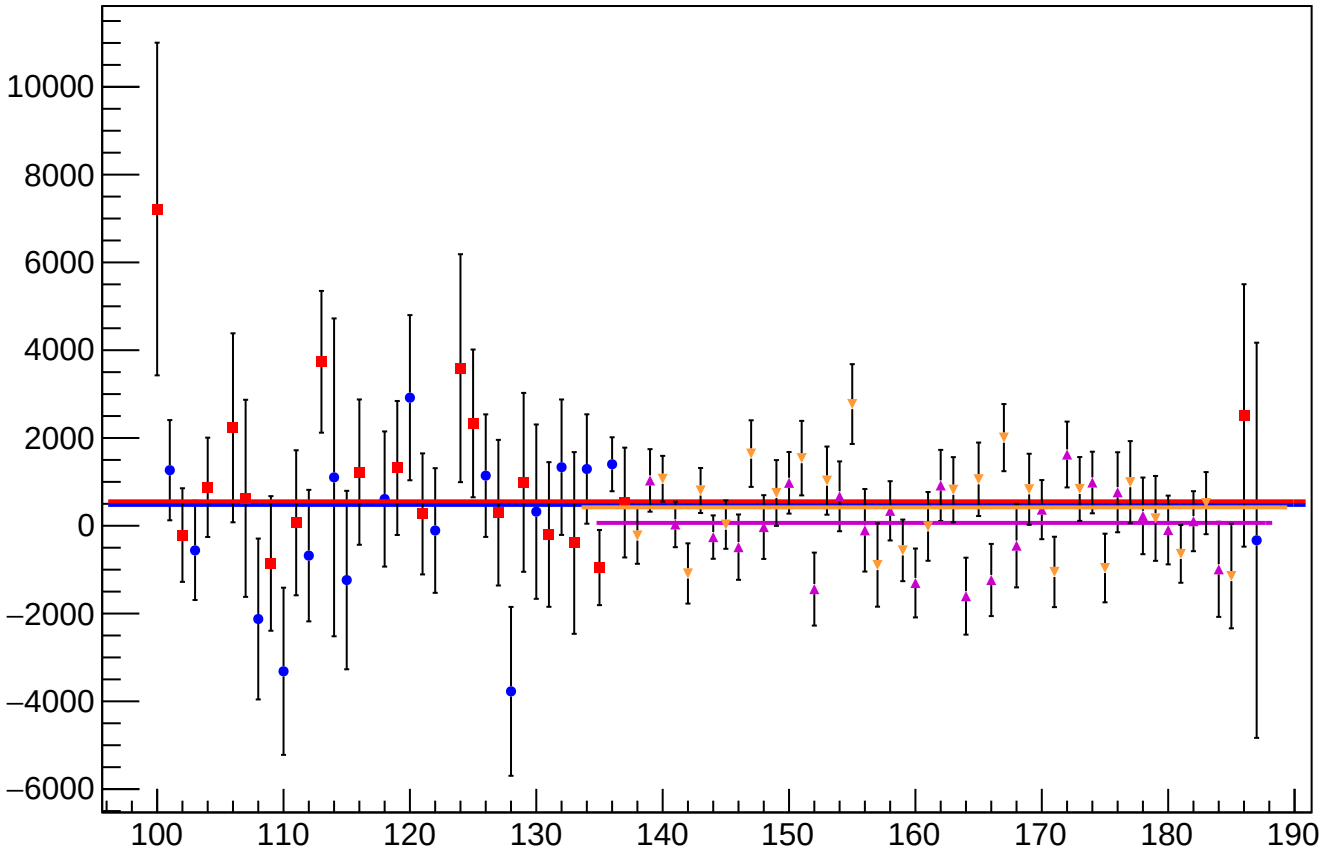
Right Out: 1365.841+/-0.351 χ^2/NDF: 209539.3/19

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1333.238+/-0.183 χ^2/NDF: 772178.5/41

All: 1334.222+/-0.130 χ^2/NDF: 996219.2/84

- sign 1335.227+/-0.185 χ^2/NDF: 223982.5/42



Right In: 475.892+/-335.583 χ^2/NDF: 18.6/16

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 556.762+/-343.807 χ^2/NDF: 16.1/19

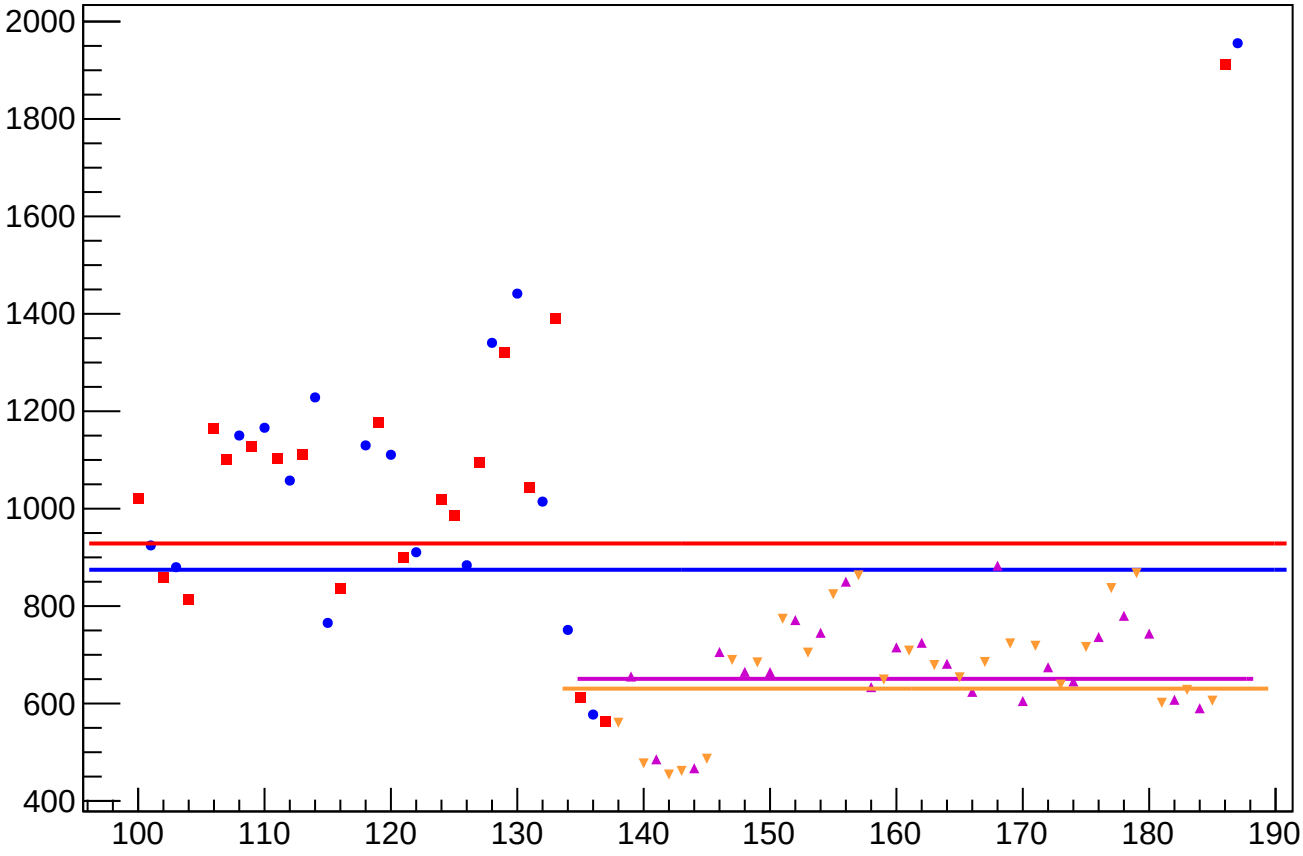
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 428.855+/-134.214 χ^2/NDF: 60.2/41

All: 294.929+/-97.121 χ^2/NDF: 107.1/84

- sign 147.715+/-140.716 χ^2/NDF: 44.8/42

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 874.610+/-0.237 χ^2/NDF: 1137290.1/16

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 928.547+/-0.243 χ^2/NDF: 1078471.1/19

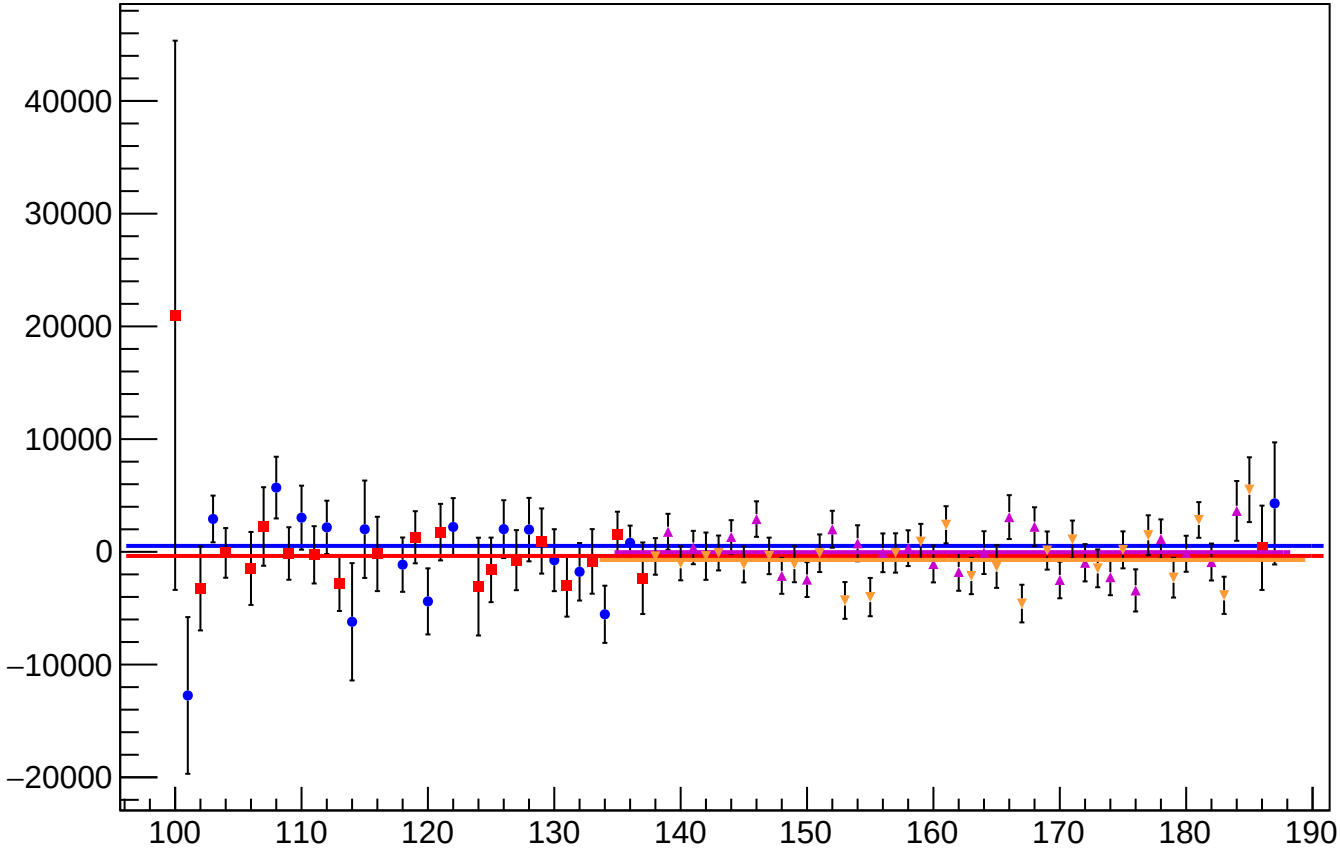
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 669.624+/-0.095 χ^2/NDF: 3354230.6/41

All: 682.756+/-0.069 χ^2/NDF: 6482866.0/84

- sign 697.192+/-0.100 χ^2/NDF: 3088440.6/42

asym_usr_atr1_dd_mean vs Slug



Right In: 527.661+/-644.628 χ^2/NDF: 23.2/16

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -363.429+/-632.735 χ^2/NDF: 7.3/19

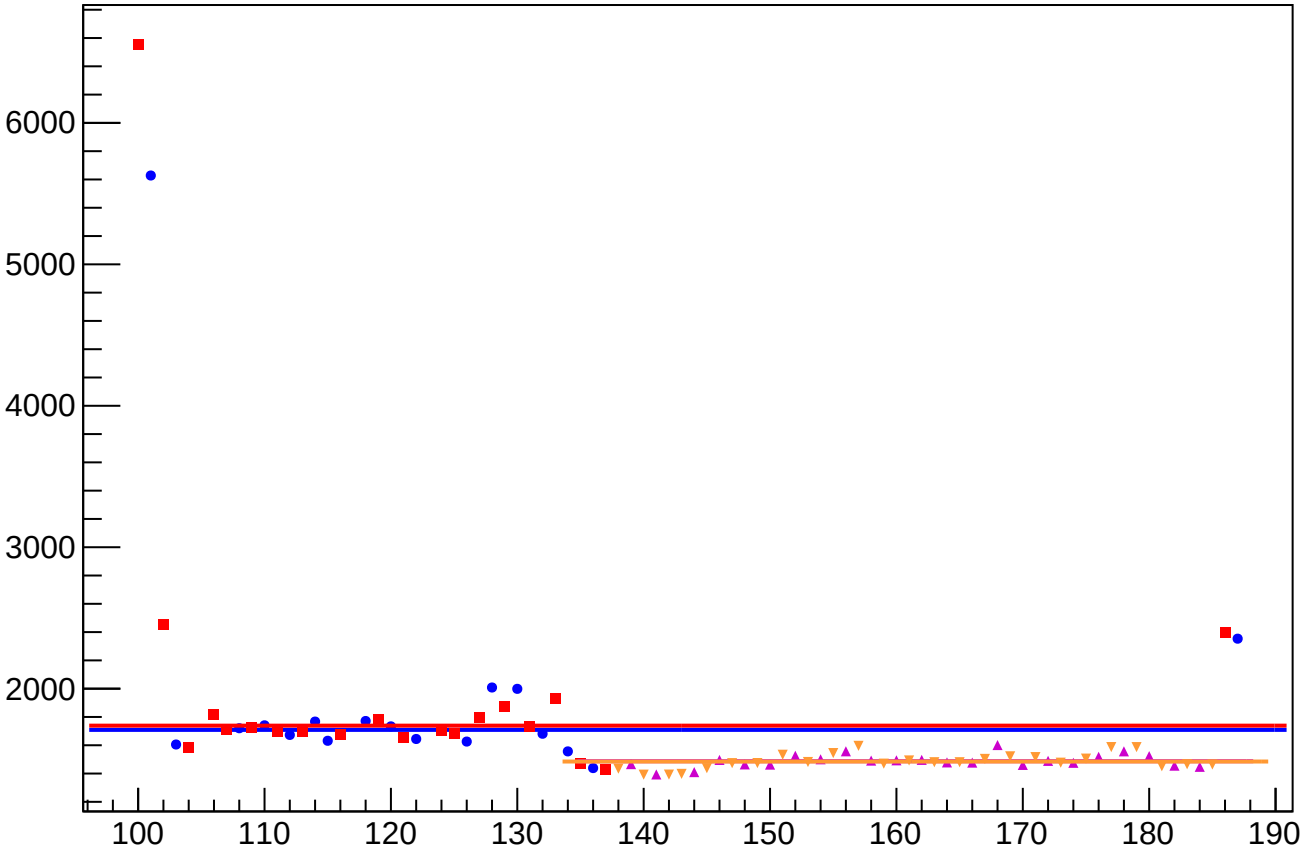
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

\+ sign -450.140+/-299.053 χ^2/NDF: 63.9/41

All: -280.862+/-213.373 χ^2/NDF: 100.0/84

\- sign -105.326+/-304.530 χ^2/NDF: 35.5/42

asym_usr_atr1_dd_rms vs Slug



Right In: 1708.595+/-0.456 χ^2/NDF: 790856.7/16

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1738.599+/-0.447 χ^2/NDF: 298164.1/19

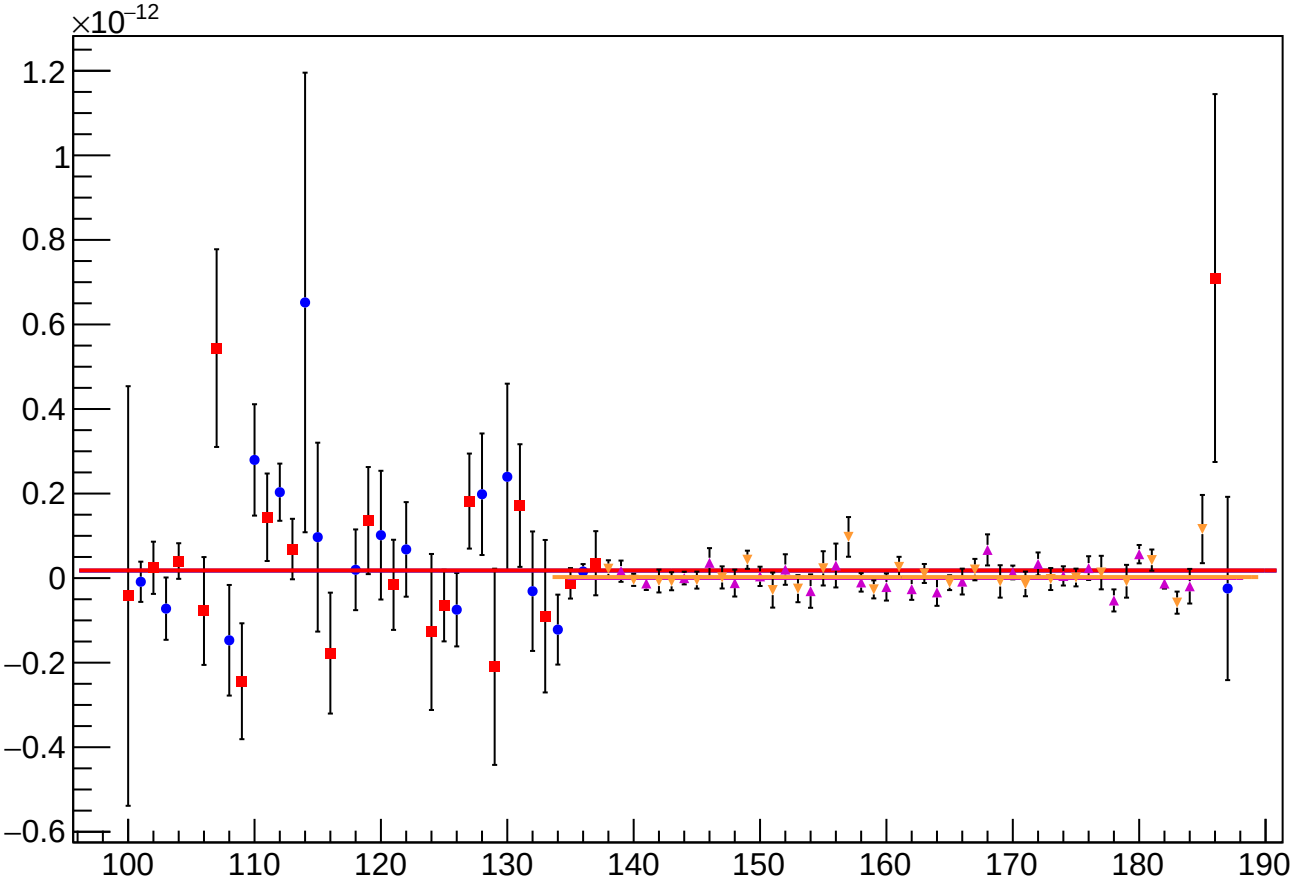
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1533.090+/-0.211 χ^2/NDF: 1030665.7/41

All: 1539.118+/-0.151 χ^2/NDF: 1608064.8/84

- sign 1545.367+/-0.215 χ^2/NDF: 575744.4/42

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/19

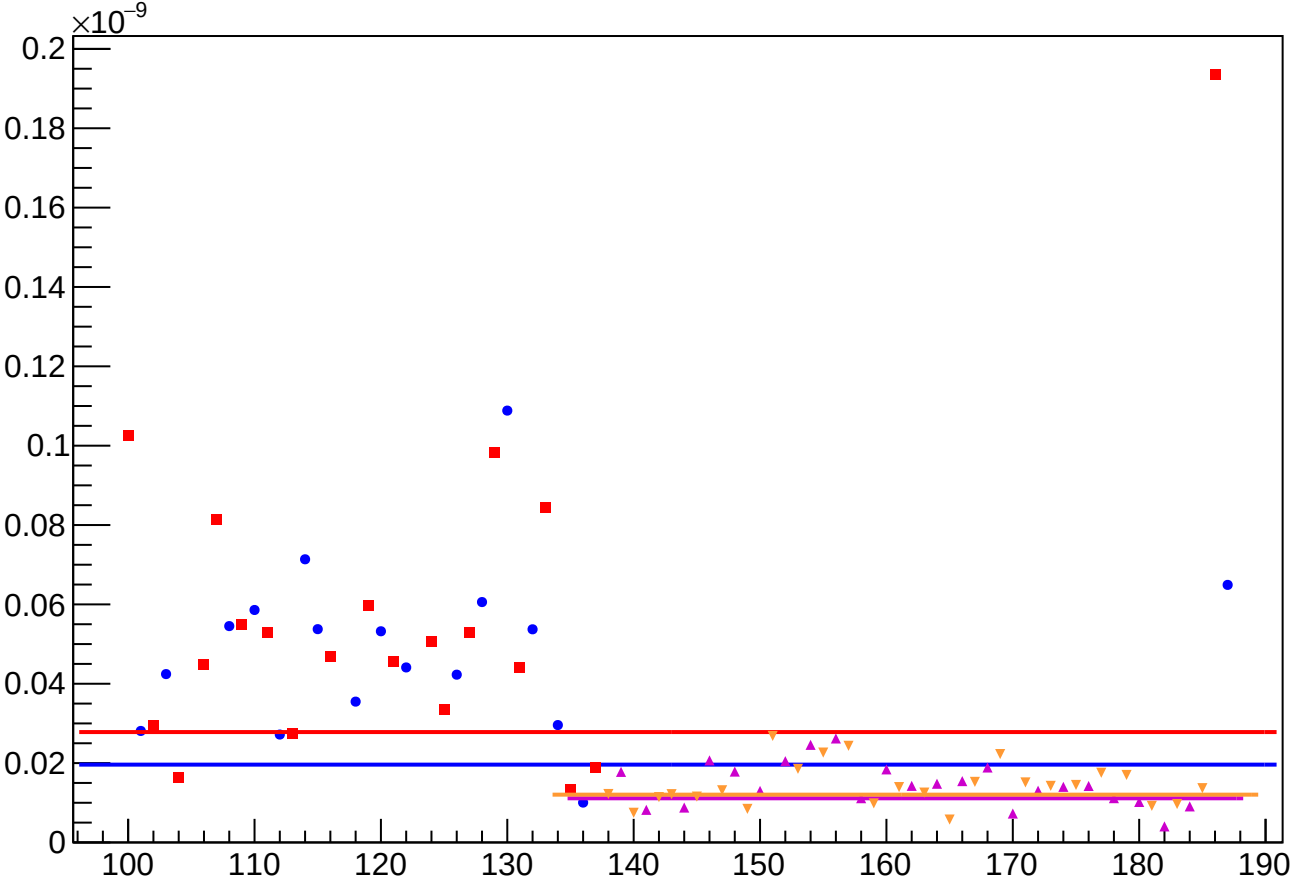
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.0/41

All: 0.000+/-0.000 χ^2/NDF: 99.8/84

- sign 0.000+/-0.000 χ^2/NDF: 49.6/42

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2362157.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

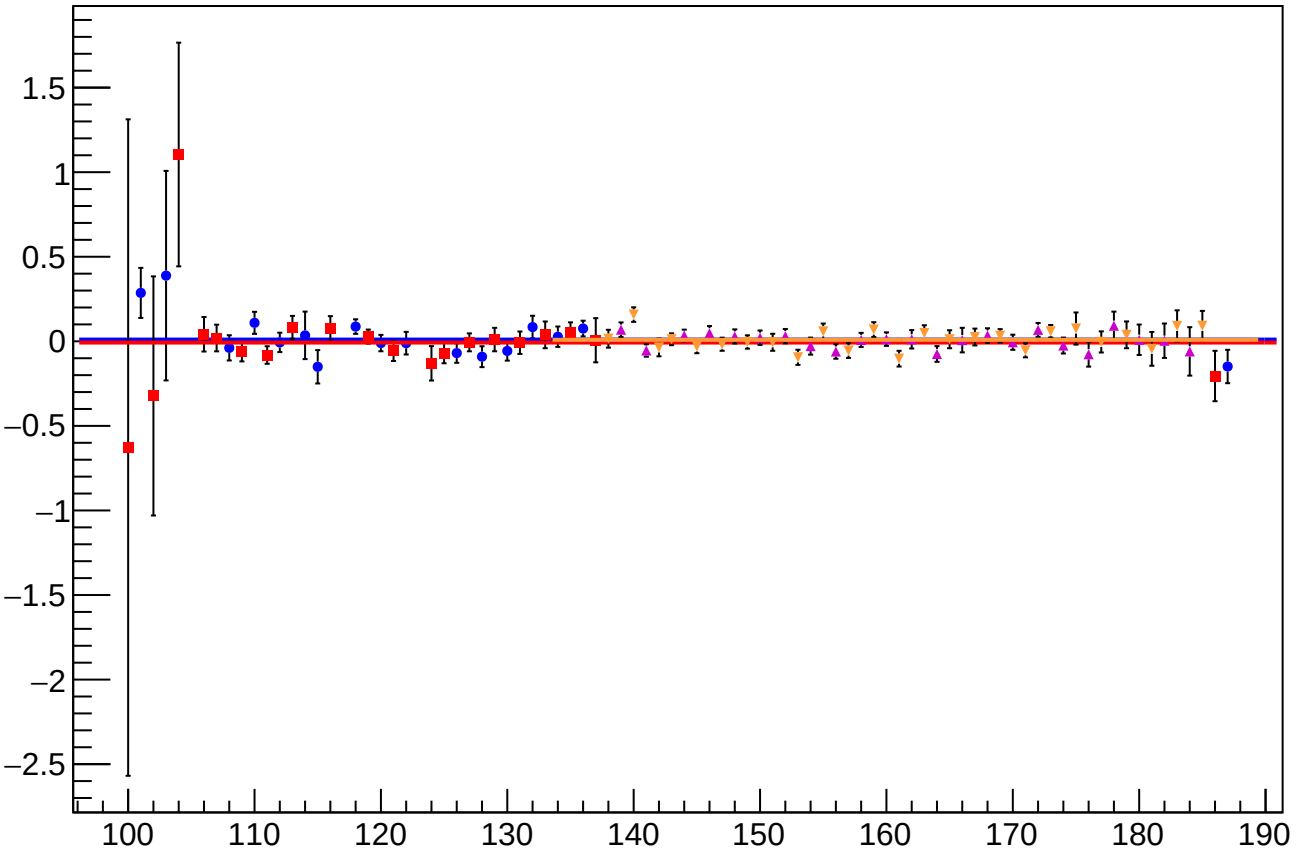
Right Out: 0.000+/-0.000 χ^2/NDF: 1940540.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4379642.2/41

All: 0.000+/-0.000 χ^2/NDF: 9990345.0/84

- sign 0.000+/-0.000 χ^2/NDF: 5587352.7/42



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.007+/-0.016 χ^2/NDF: 16.7/19

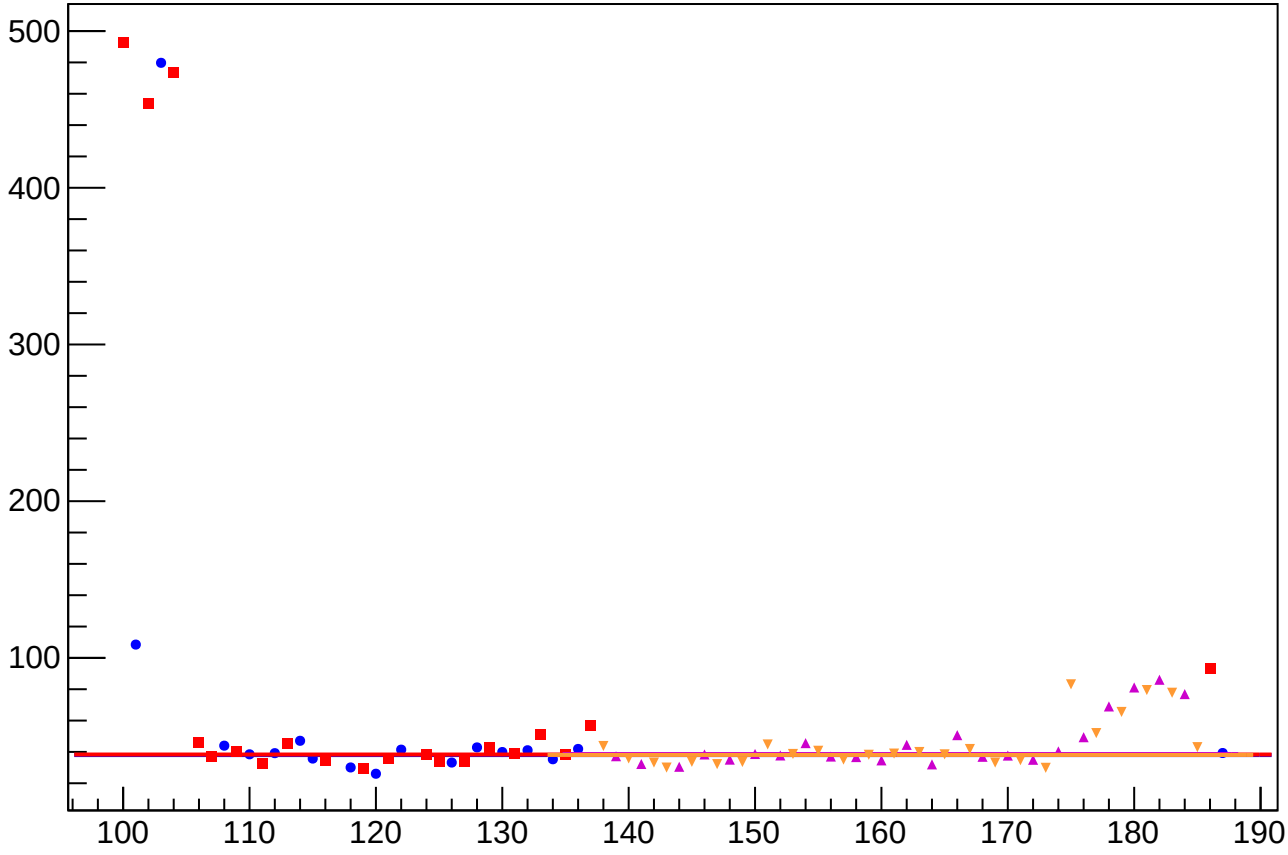
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

\+ sign 0.009+/-0.008 χ^2/NDF: 63.3/41

All: 0.007+/-0.006 χ^2/NDF: 99.7/84

\- sign 0.004+/-0.008 χ^2/NDF: 36.2/42

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 37.977+/-0.011 χ^2/NDF: 1740039.9/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

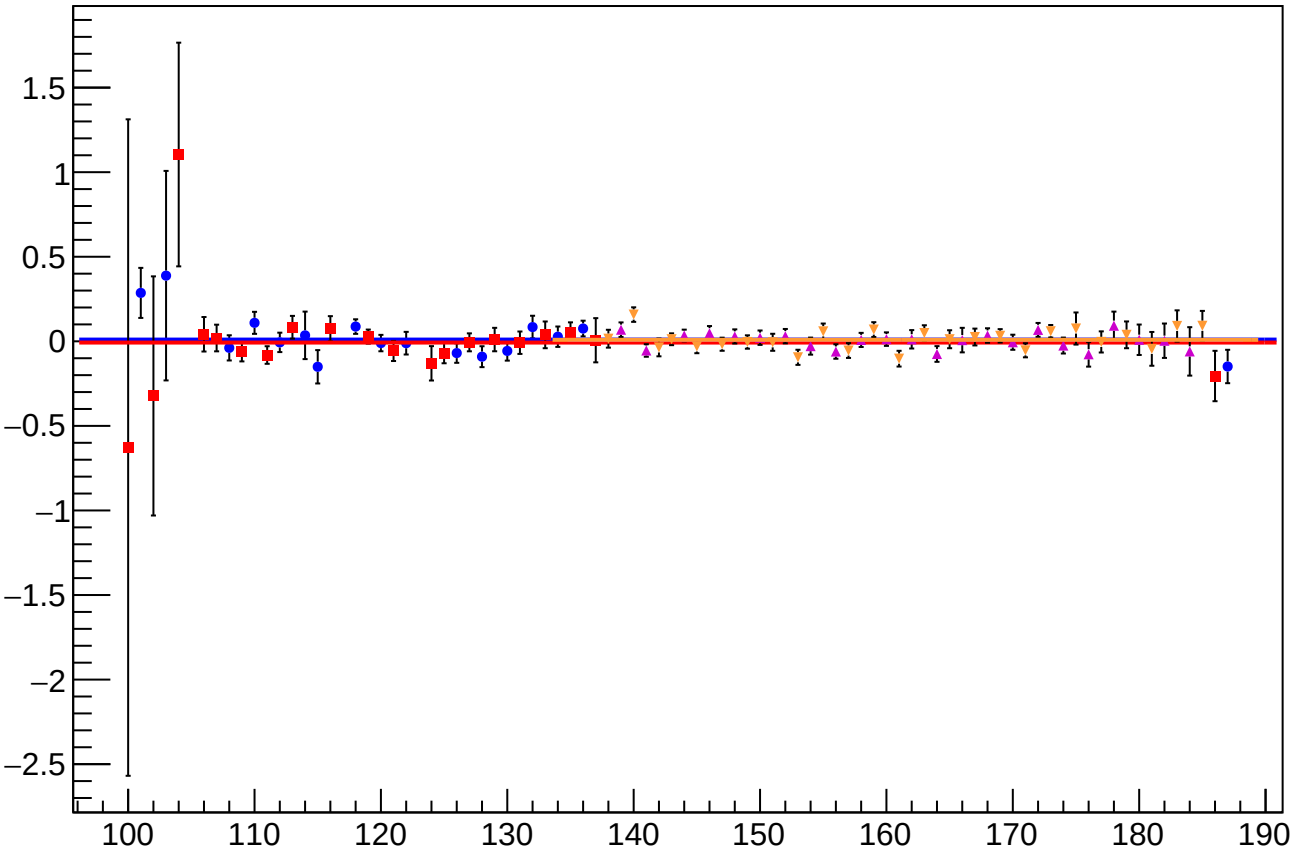
Right Out: 38.336+/-0.011 χ^2/NDF: 2222067.2/19

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.043+/-0.006 χ^2/NDF: 3707203.6/41

All: 38.288+/-0.004 χ^2/NDF: 7661129.5/84

\- sign 38.548+/-0.006 χ^2/NDF: 3950222.1/42



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.007+/-0.016 χ^2/NDF: 16.7/19

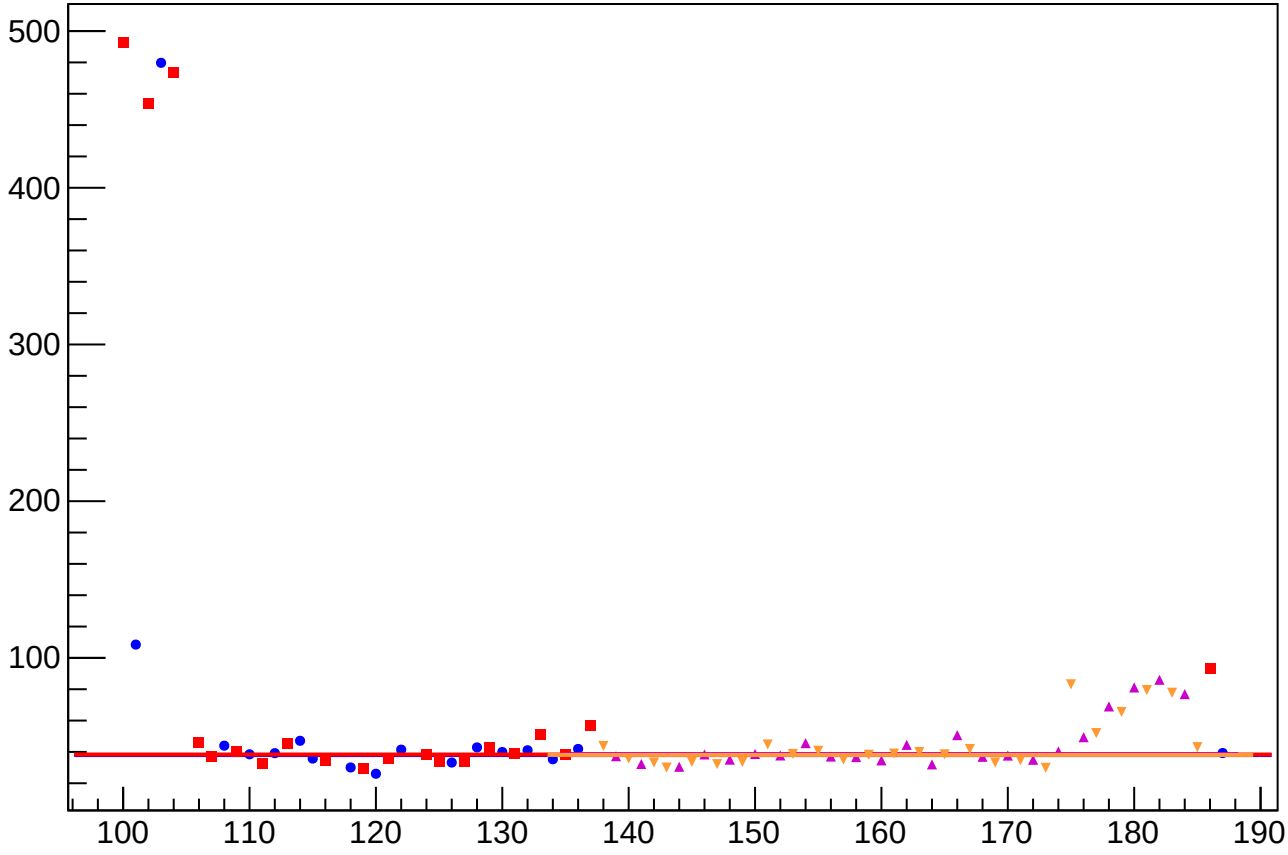
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.3/41

All: 0.007+/-0.006 χ^2/NDF: 99.7/84

- sign 0.004+/-0.008 χ^2/NDF: 36.2/42

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.977+/-0.011 χ^2/NDF: 1740039.9/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

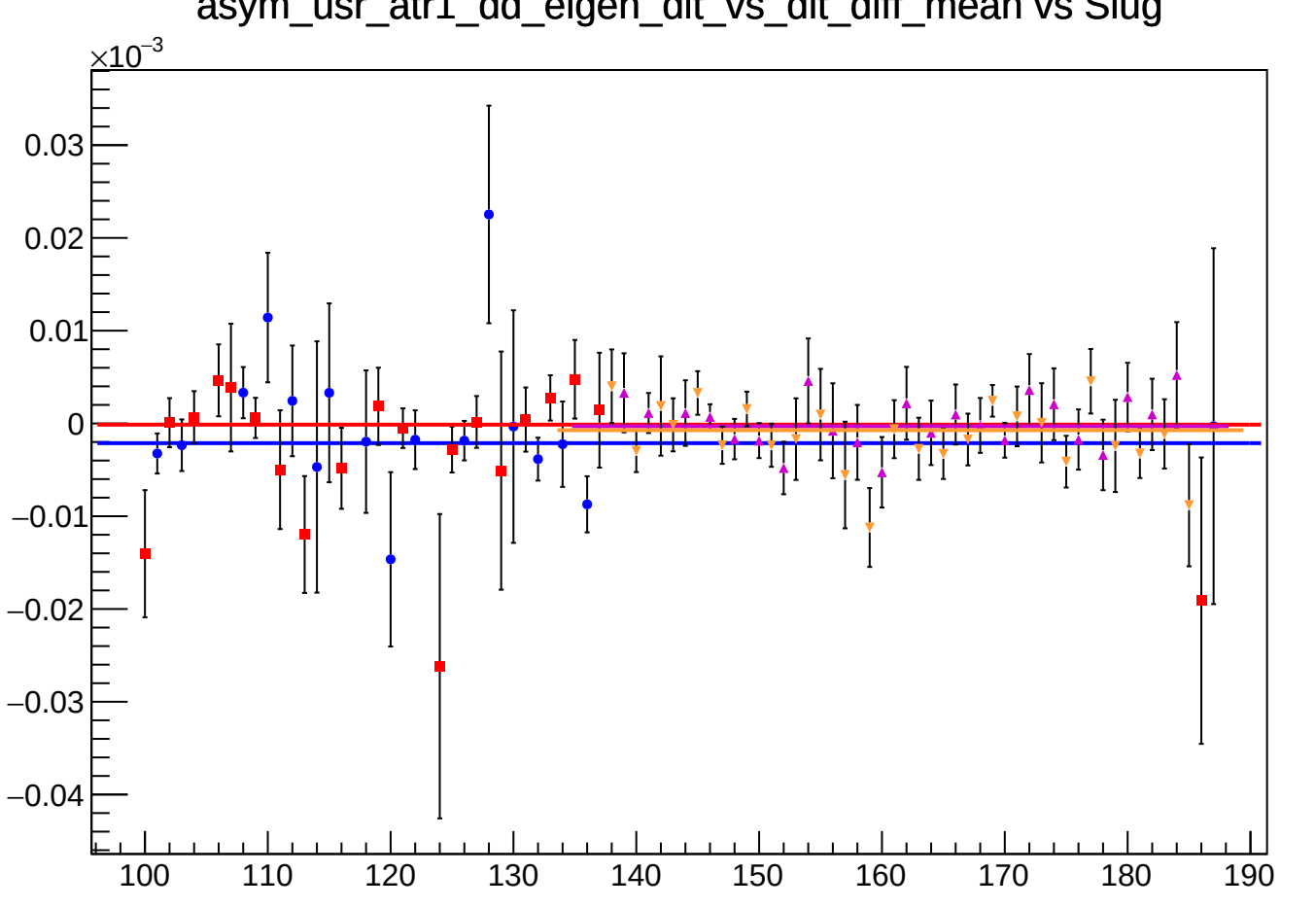
Right Out: 38.336+/-0.011 χ^2/NDF: 2222067.2/19

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 38.043+/-0.006 χ^2/NDF: 3707203.6/41

All: 38.288+/-0.004 χ^2/NDF: 7661129.5/84

\- sign 38.548+/-0.006 χ^2/NDF: 3950222.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

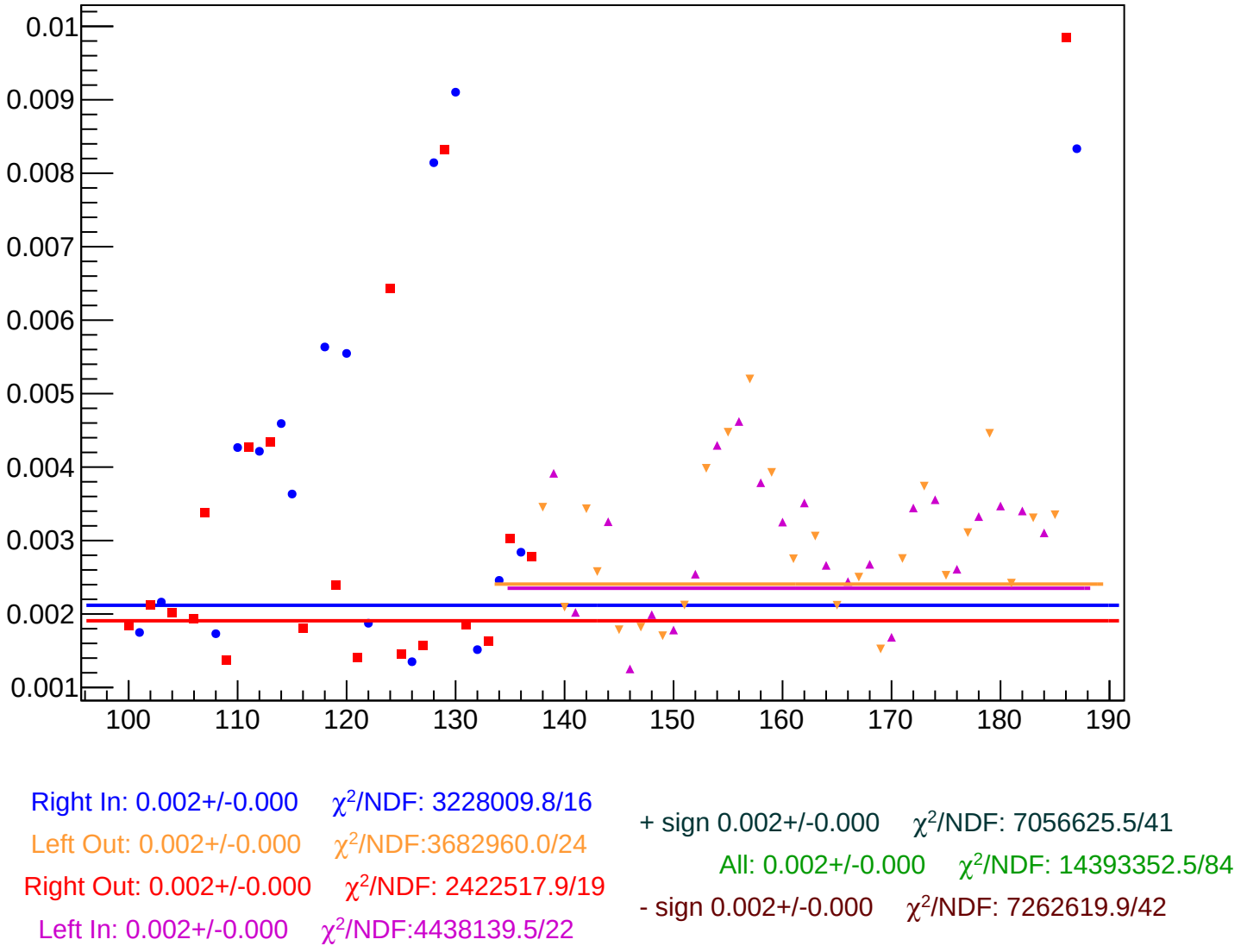
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/19

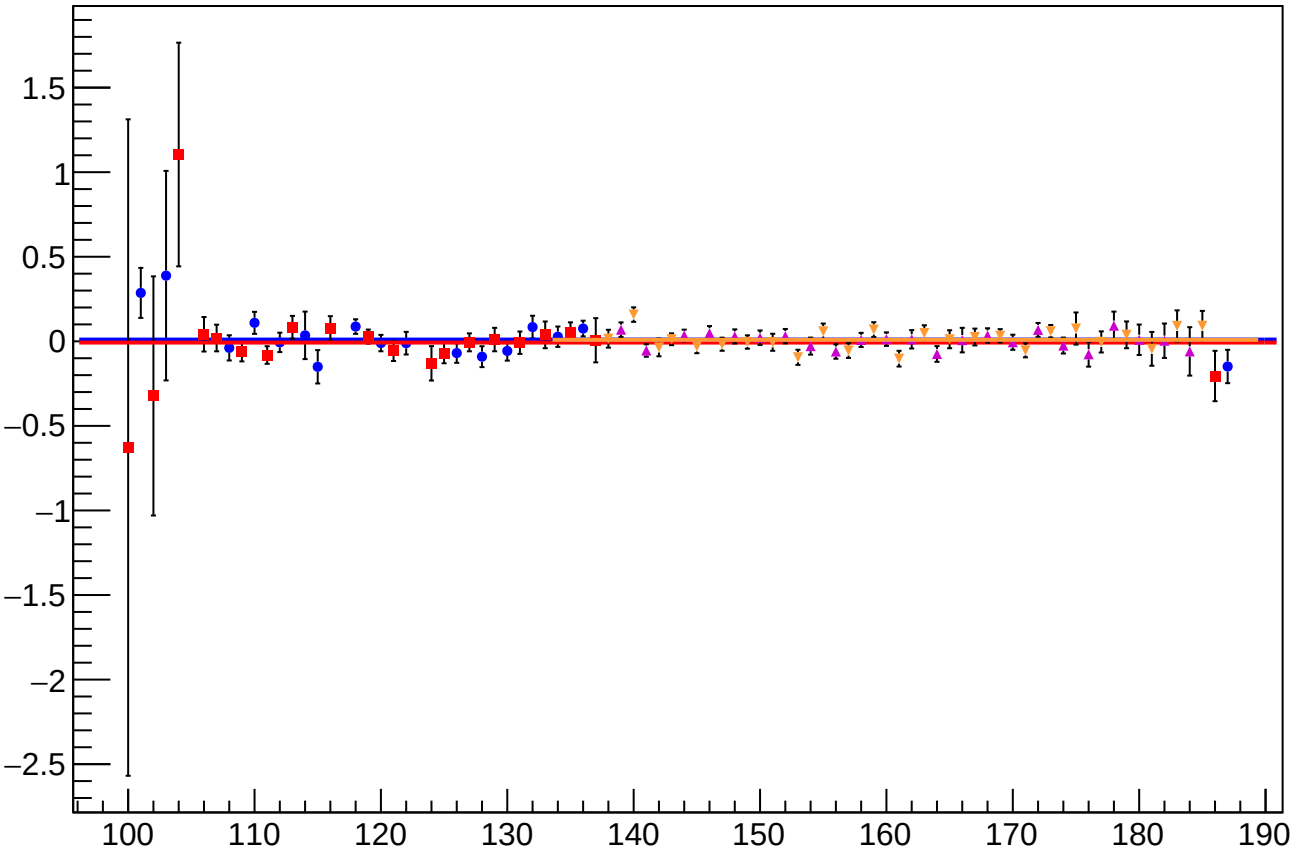
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.7/41

All: -0.000+/-0.000 χ^2/NDF: 84.1/84

- sign -0.000+/-0.000 χ^2/NDF: 33.7/42


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 3228009.8/16
Left Out: 0.002+/-0.000 χ²/NDF:3682960.0/24
Right Out: 0.002+/-0.000 χ²/NDF: 2422517.9/19
Left In: 0.002+/-0.000 χ²/NDF:4438139.5/22
+ sign 0.002+/-0.000 χ²/NDF: 7056625.5/41
All: 0.002+/-0.000 χ²/NDF: 14393352.5/84
- sign 0.002+/-0.000 χ²/NDF: 7262619.9/42



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.007+/-0.016 χ^2/NDF: 16.7/19

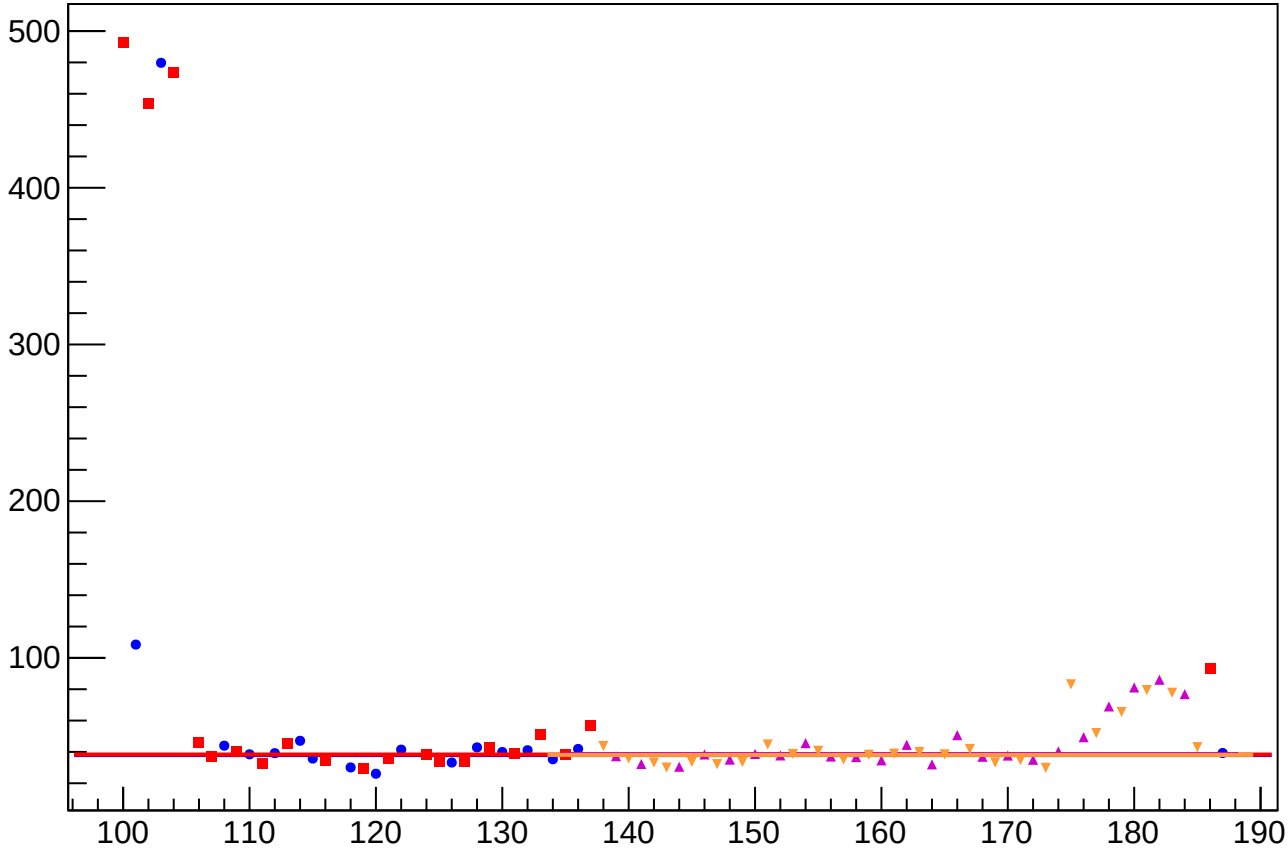
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.3/41

All: 0.007+/-0.006 χ^2/NDF: 99.7/84

- sign 0.004+/-0.008 χ^2/NDF: 36.2/42

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.976+/-0.011 χ^2/NDF: 1740050.0/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

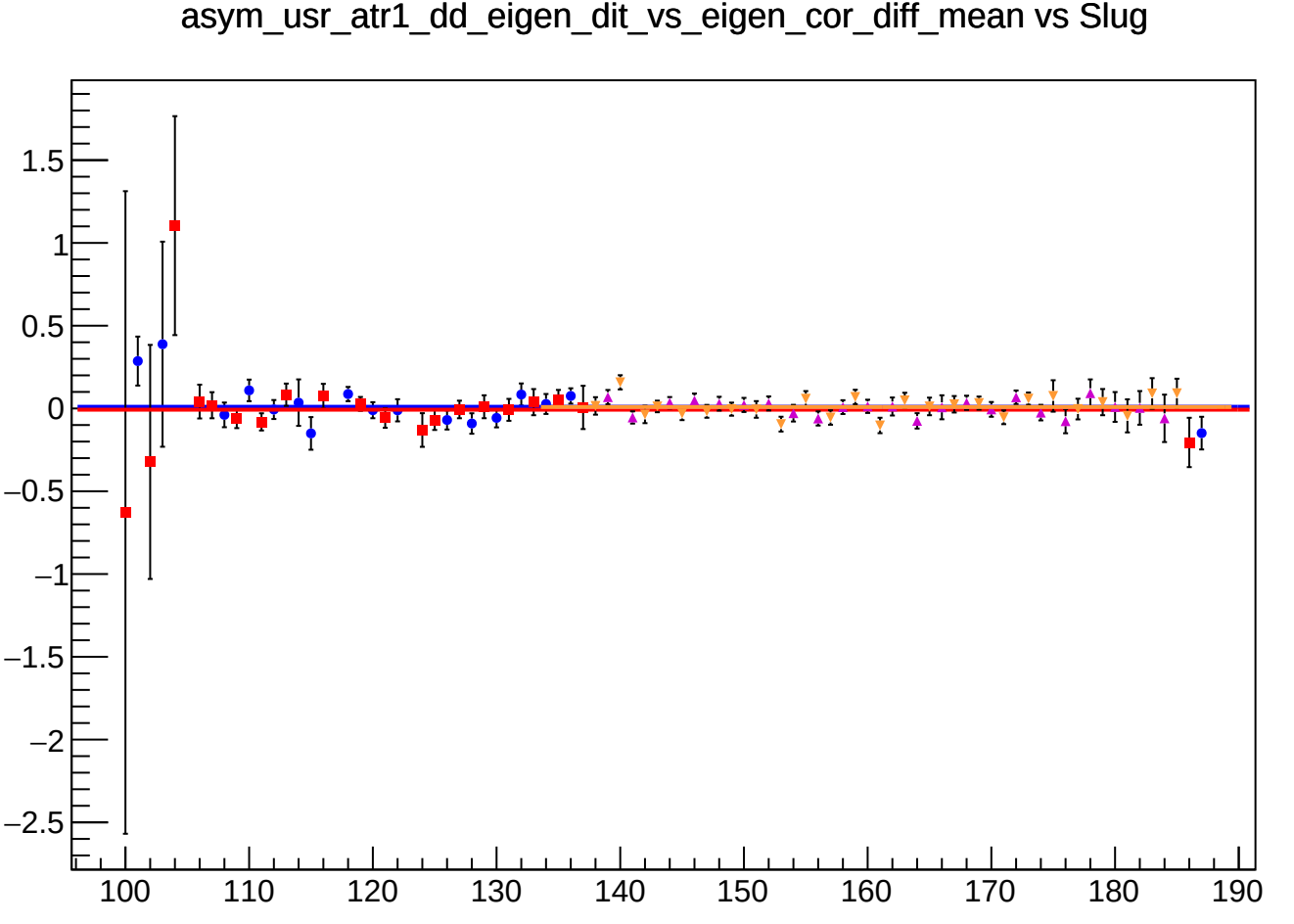
Right Out: 38.335+/-0.011 χ^2/NDF: 2222161.1/19

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

\+ sign 38.043+/-0.006 χ^2/NDF: 3707209.7/41

All: 38.287+/-0.004 χ^2/NDF: 7661262.5/84

\- sign 38.547+/-0.006 χ^2/NDF: 3950353.4/42



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

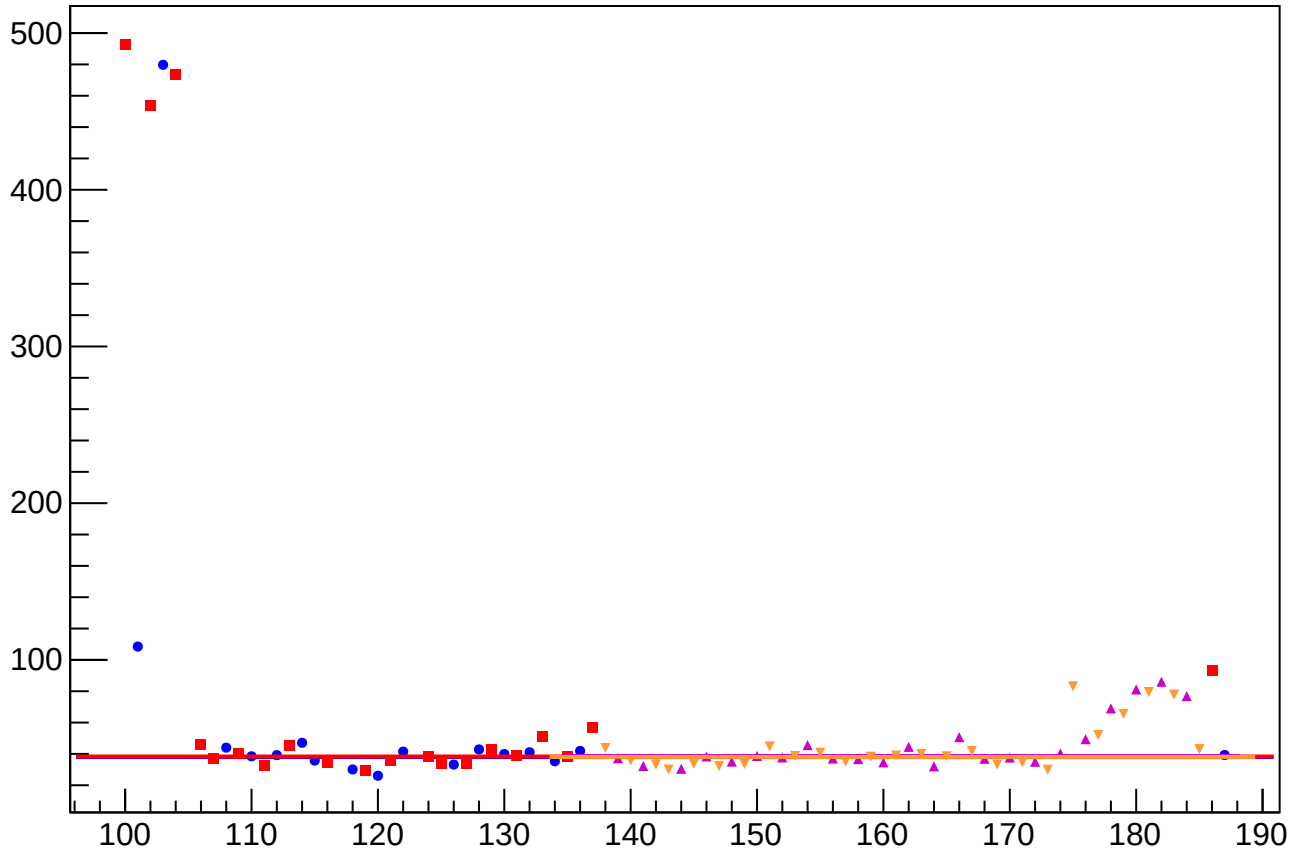
Right Out: -0.007+/-0.016 χ^2/NDF: 16.7/19

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.009+/-0.008 χ^2/NDF: 63.3/41

All: 0.007+/-0.006 χ^2/NDF: 99.7/84

- sign 0.004+/-0.008 χ^2/NDF: 36.2/42



Right In: 37.976+/-0.011 χ^2/NDF: 1740050.0/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

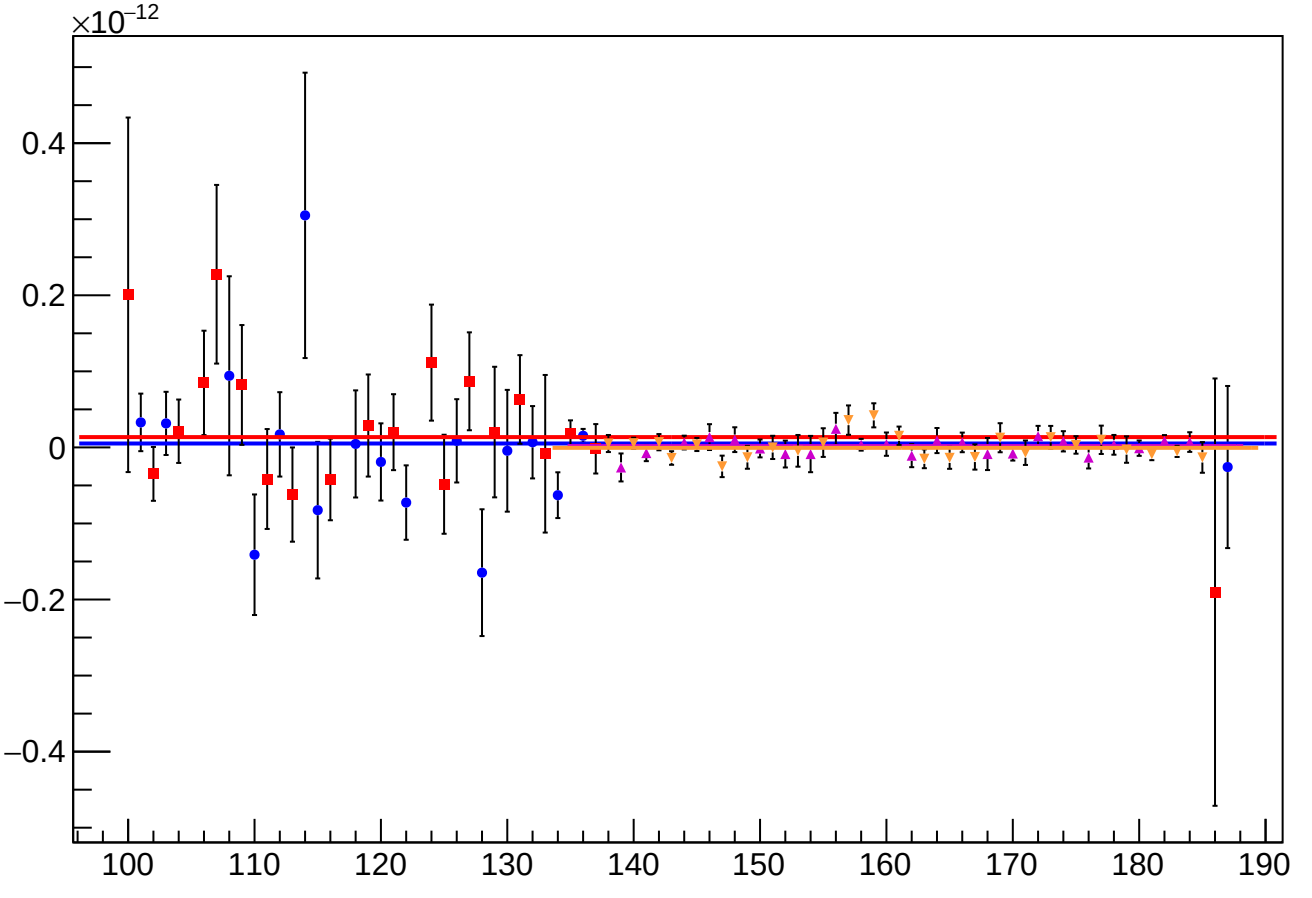
Right Out: 38.335+/-0.011 χ^2/NDF: 2222161.1/19

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 38.043+/-0.006 χ^2/NDF: 3707209.7/41

All: 38.287+/-0.004 χ^2/NDF: 7661262.5/84

- sign 38.547+/-0.006 χ^2/NDF: 3950353.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

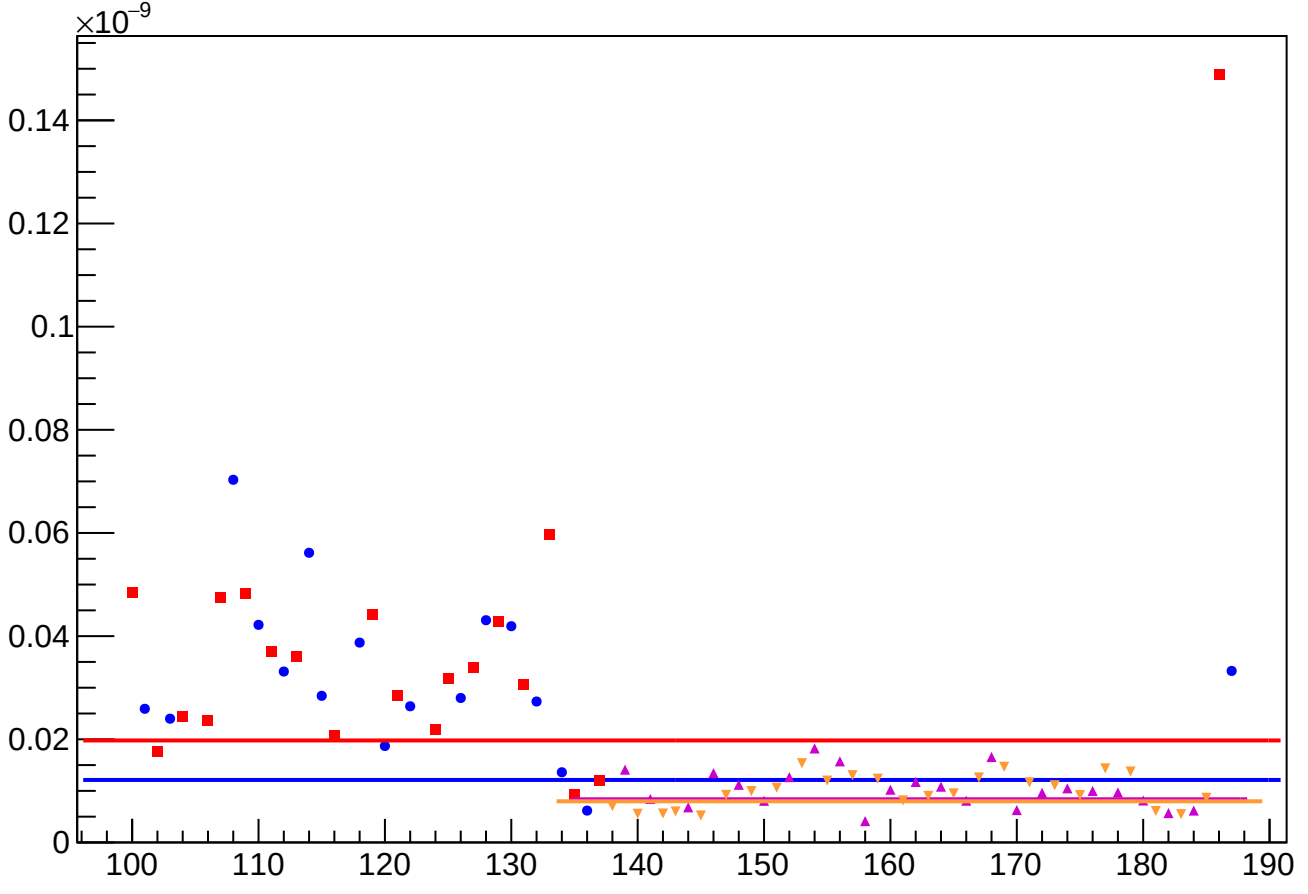
Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/19

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.2/41

All: 0.000+/-0.000 χ^2/NDF: 79.0/84

- sign 0.000+/-0.000 χ^2/NDF: 29.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 3948252.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3042625.9/19

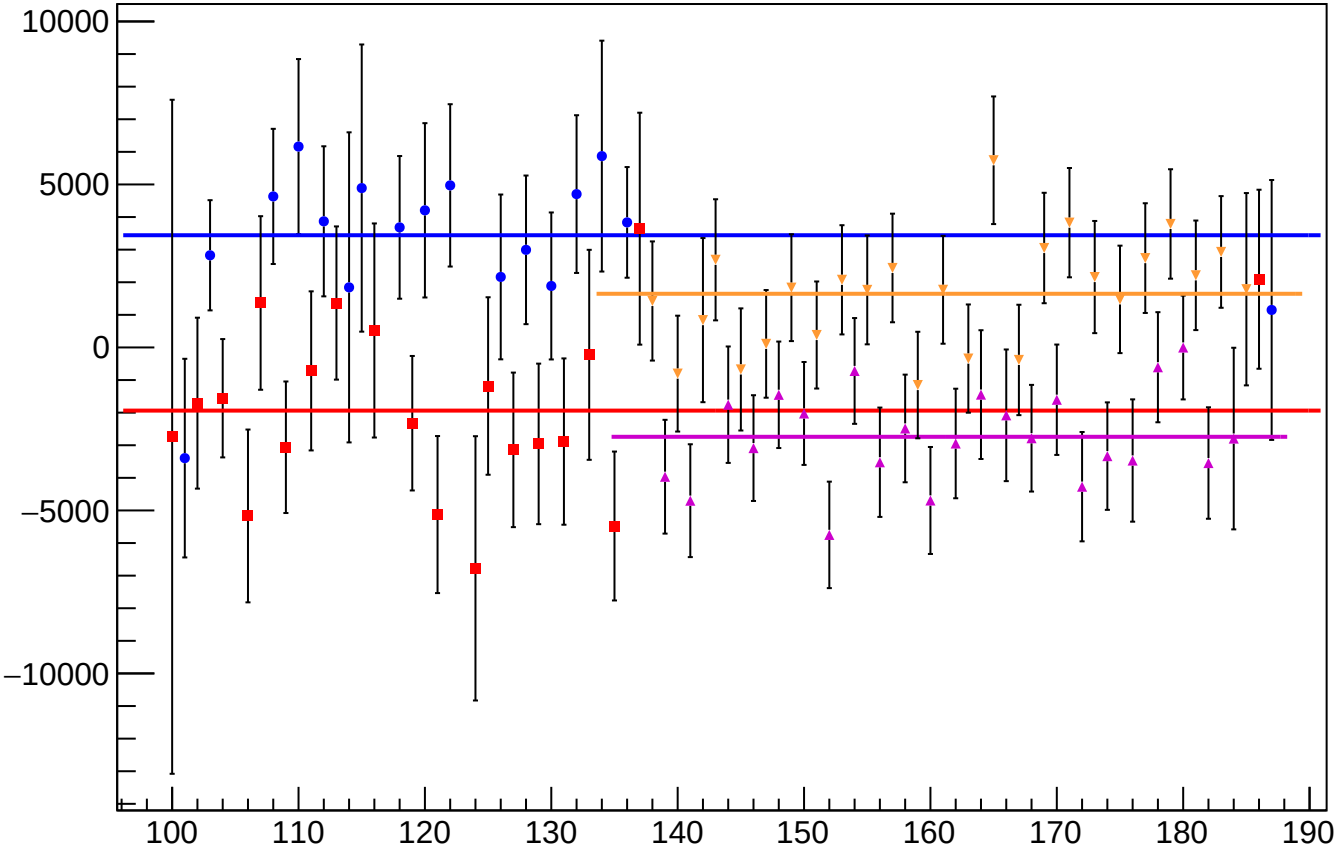
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7327068.7/41

All: 0.000+/-0.000 χ^2/NDF: 15432621.0/84

- sign 0.000+/-0.000 χ^2/NDF: 8031484.3/42

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3442.240+/-594.462 χ^2/NDF: 9.1/16

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1937.175+/-574.606 χ^2/NDF: 17.3/19

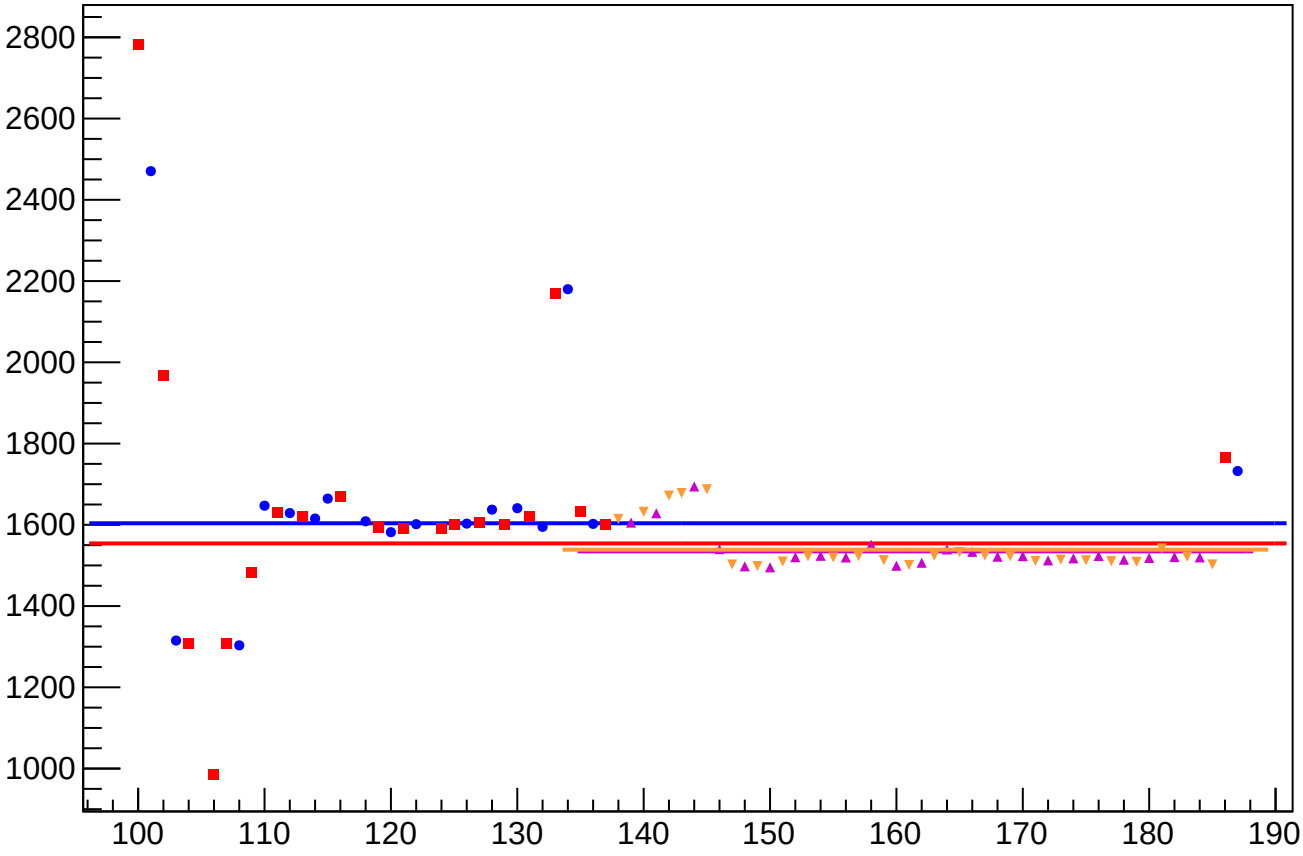
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2108.204+/-301.452 χ^2/NDF: 37.0/41

All: -183.321+/-214.100 χ^2/NDF: 188.7/84

- sign -2515.759+/-304.131 χ^2/NDF: 35.2/42

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1603.805+/-0.420 χ^2/NDF: 319543.0/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1554.205+/-0.400 χ^2/NDF: 388597.6/19

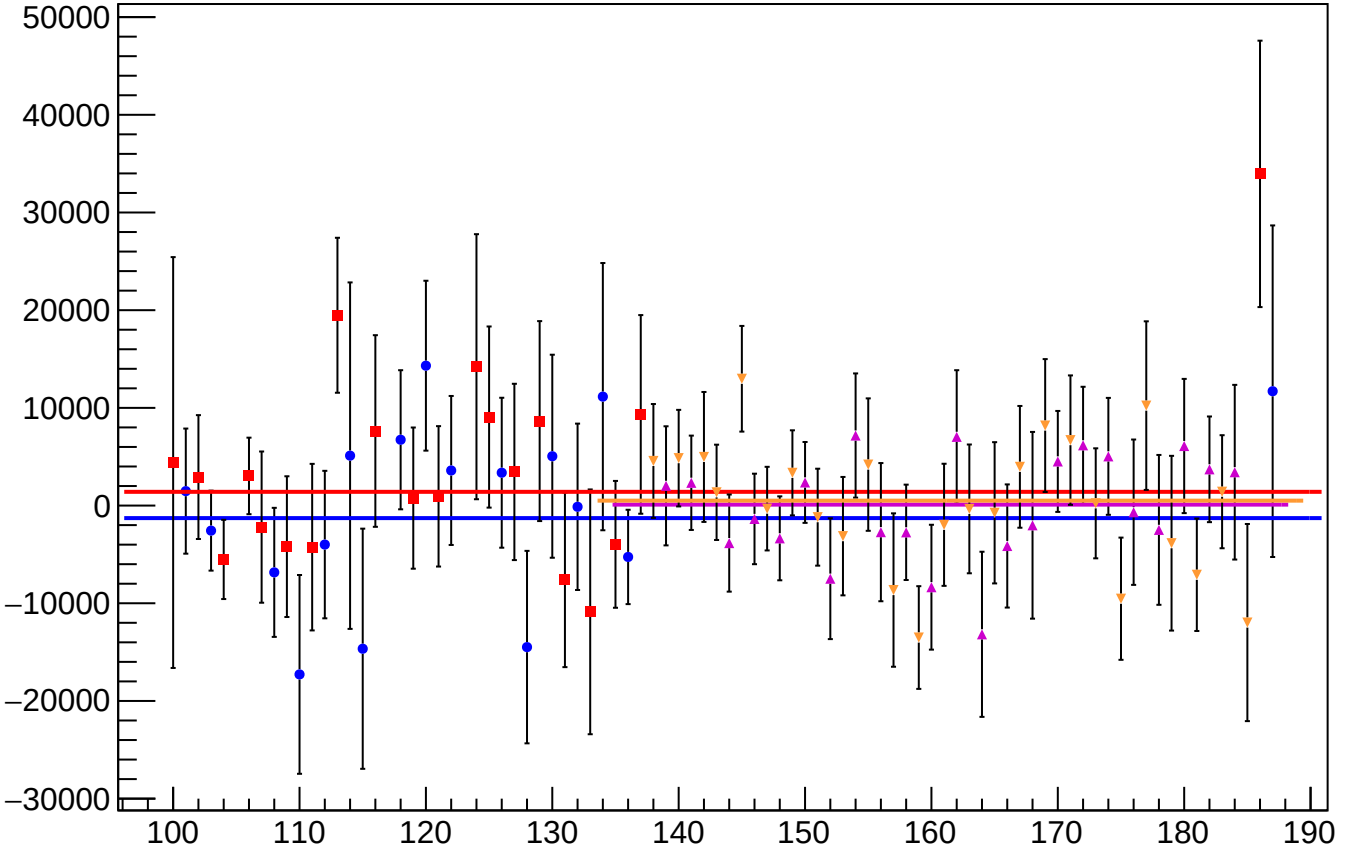
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1555.523+/-0.213 χ^2/NDF: 384359.1/41

All: 1547.910+/-0.151 χ^2/NDF: 808352.3/84

- sign 1540.231+/-0.214 χ^2/NDF: 421430.7/42

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -1283.071+/-1837.423 χ^2/NDF: 14.4/16

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1406.237+/-1656.909 χ^2/NDF: 21.1/19

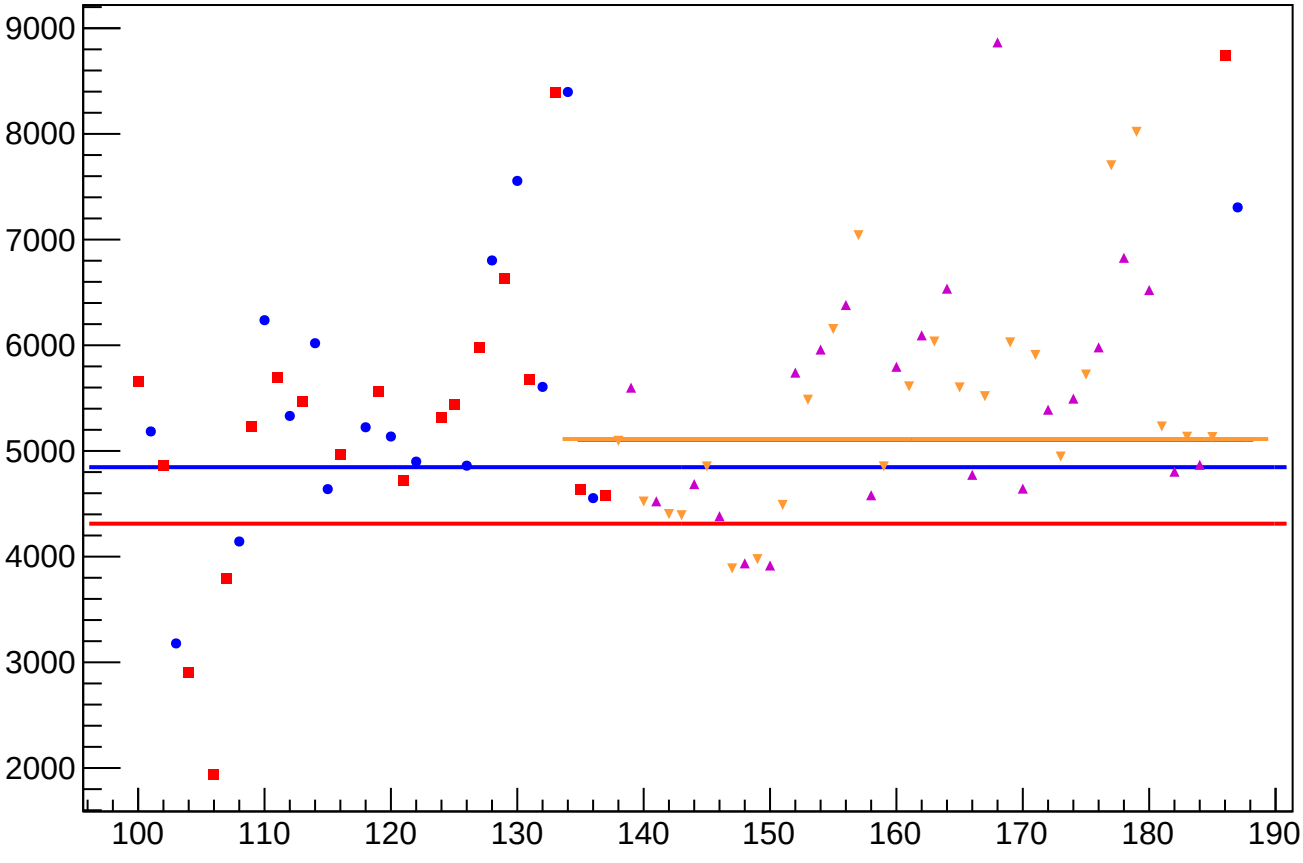
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign -22.501+/-997.225 χ^2/NDF: 41.9/41

All: 271.793+/-699.394 χ^2/NDF: 78.5/84

- sign 556.679+/-981.155 χ^2/NDF: 36.4/42

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 4846.499+/-1.299 χ^2/NDF: 837886.7/16

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4311.937+/-1.172 χ^2/NDF: 1897508.0/19

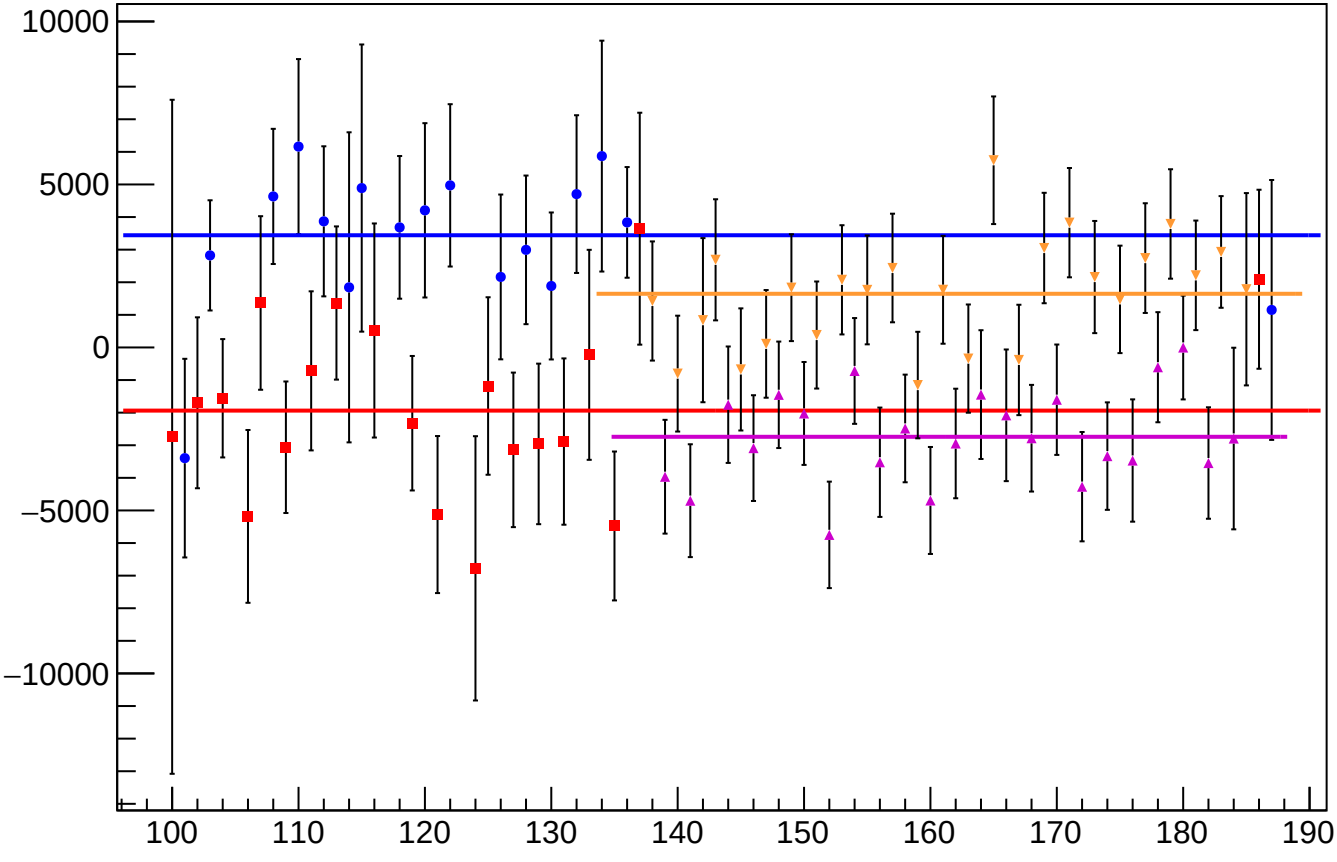
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5034.468+/-0.705 χ^2/NDF: 2026567.3/41

All: 4929.460+/-0.495 χ^2/NDF: 5517907.5/84

- sign 4827.810+/-0.694 χ^2/NDF: 3447696.9/42

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3441.930+/-594.462 χ^2/NDF: 9.2/16

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1937.171+/-574.609 χ^2/NDF: 17.3/19

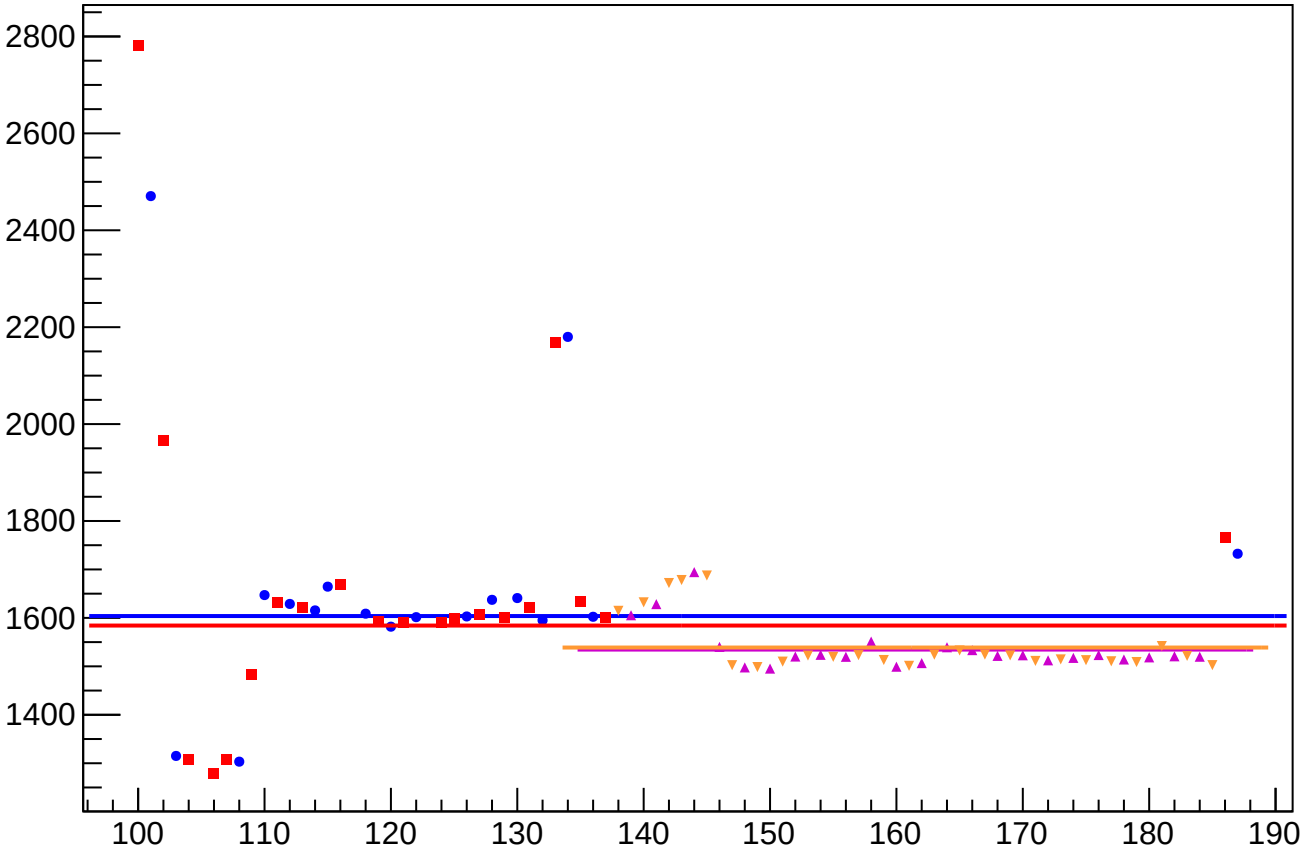
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2108.044+/-301.452 χ^2/NDF: 37.0/41

All: -183.364+/-214.100 χ^2/NDF: 188.7/84

- sign -2515.688+/-304.132 χ^2/NDF: 35.2/42

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1603.805+/-0.420 χ^2/NDF: 319542.1/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1584.179+/-0.405 χ^2/NDF: 252537.8/19

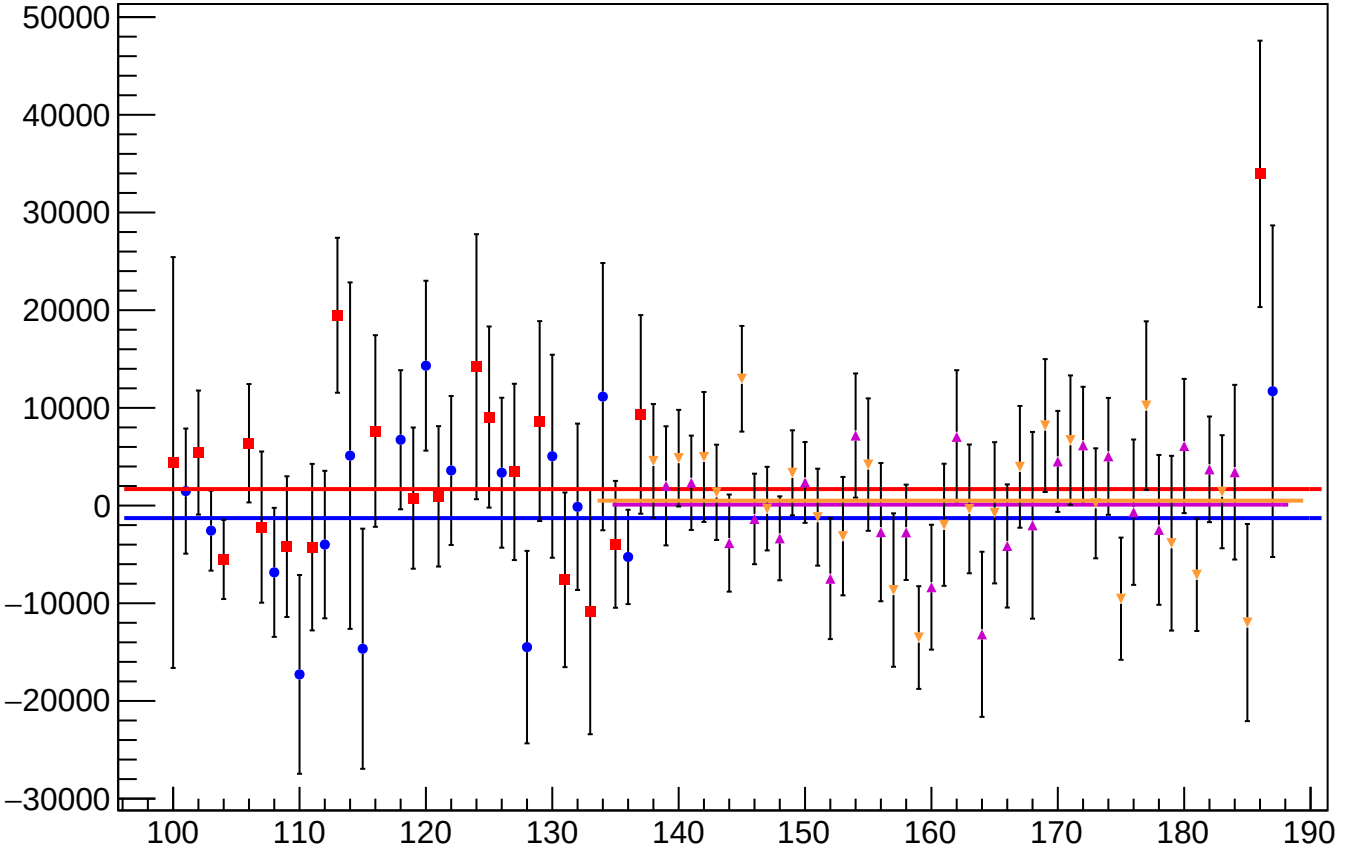
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1555.523+/-0.213 χ^2/NDF: 384358.4/41

All: 1552.076+/-0.151 χ^2/NDF: 679314.2/84

- sign 1548.575+/-0.215 χ^2/NDF: 294428.7/42

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -1283.302+/-1837.460 χ^2/NDF: 14.4/16

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1686.999+/-1750.772 χ^2/NDF: 21.9/19

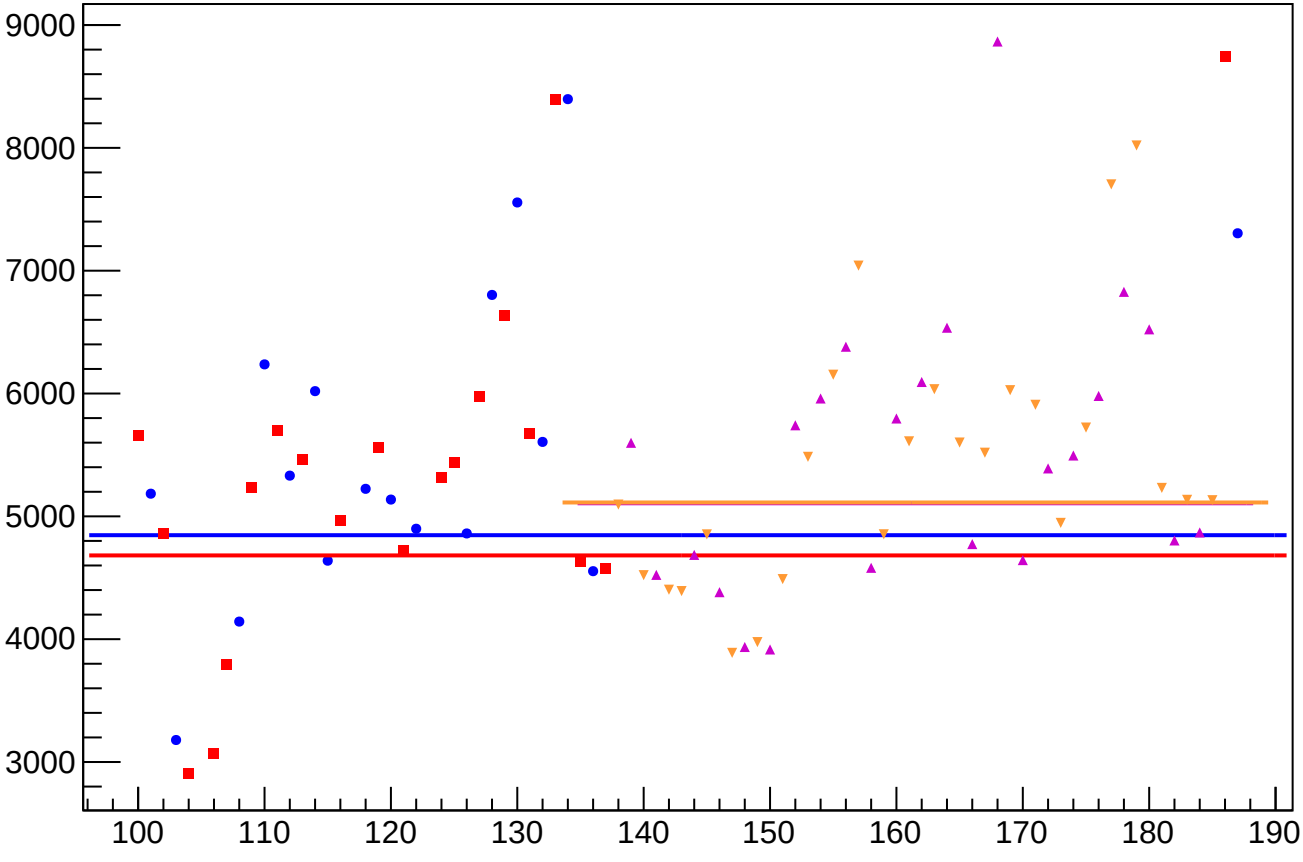
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign -22.552+/-997.230 χ^2/NDF: 41.9/41

All: 295.938+/-705.989 χ^2/NDF: 79.5/84

- sign 615.952+/-999.613 χ^2/NDF: 37.4/42

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 4846.635+/-1.299 χ^2/NDF: 837685.7/16

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4681.919+/-1.238 χ^2/NDF: 1158319.7/19

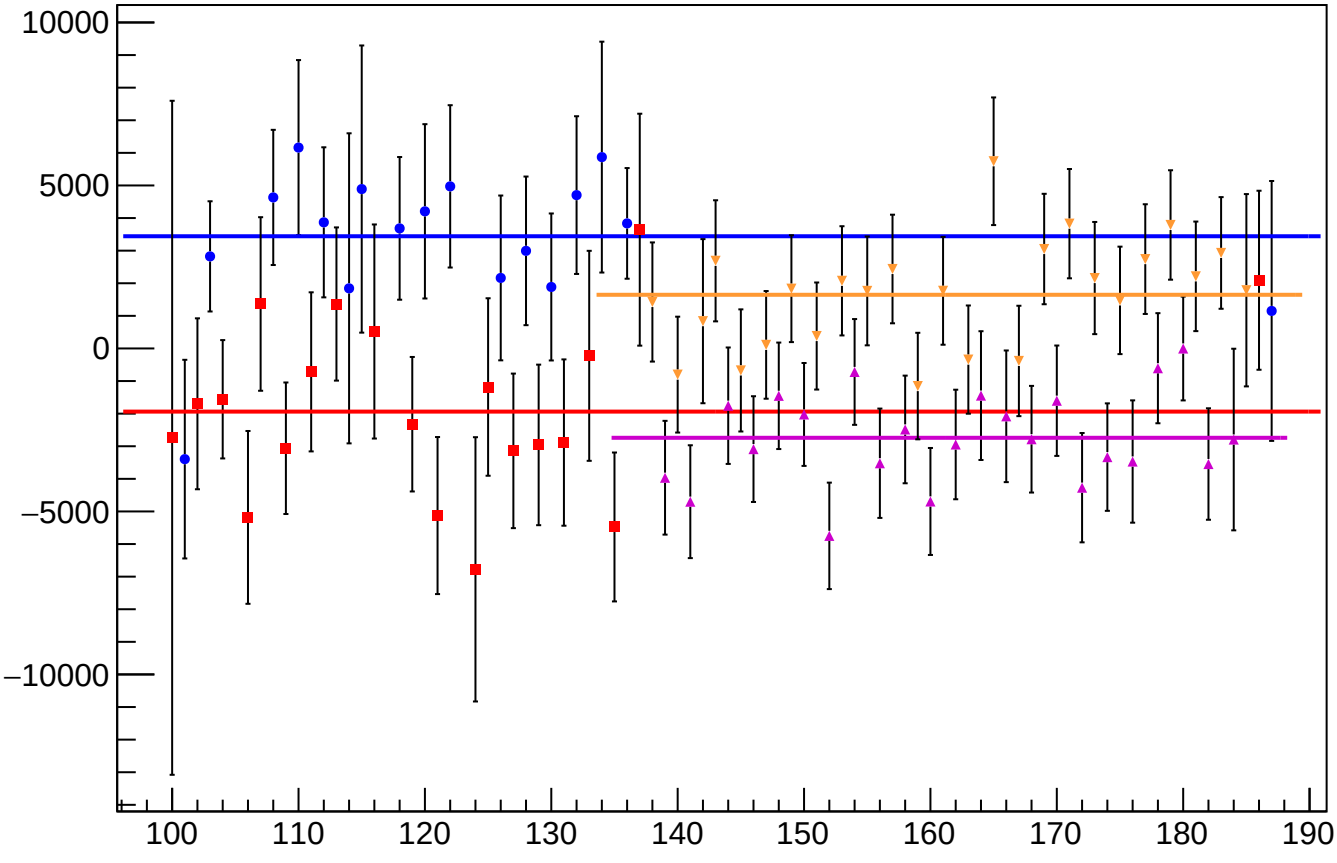
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5034.505+/-0.705 χ^2/NDF: 2026346.5/41

All: 5001.338+/-0.499 χ^2/NDF: 4519959.9/84

- sign 4968.012+/-0.707 χ^2/NDF: 2489178.2/42

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3441.930+/-594.462 χ^2/NDF: 9.2/16

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1937.171+/-574.609 χ^2/NDF: 17.3/19

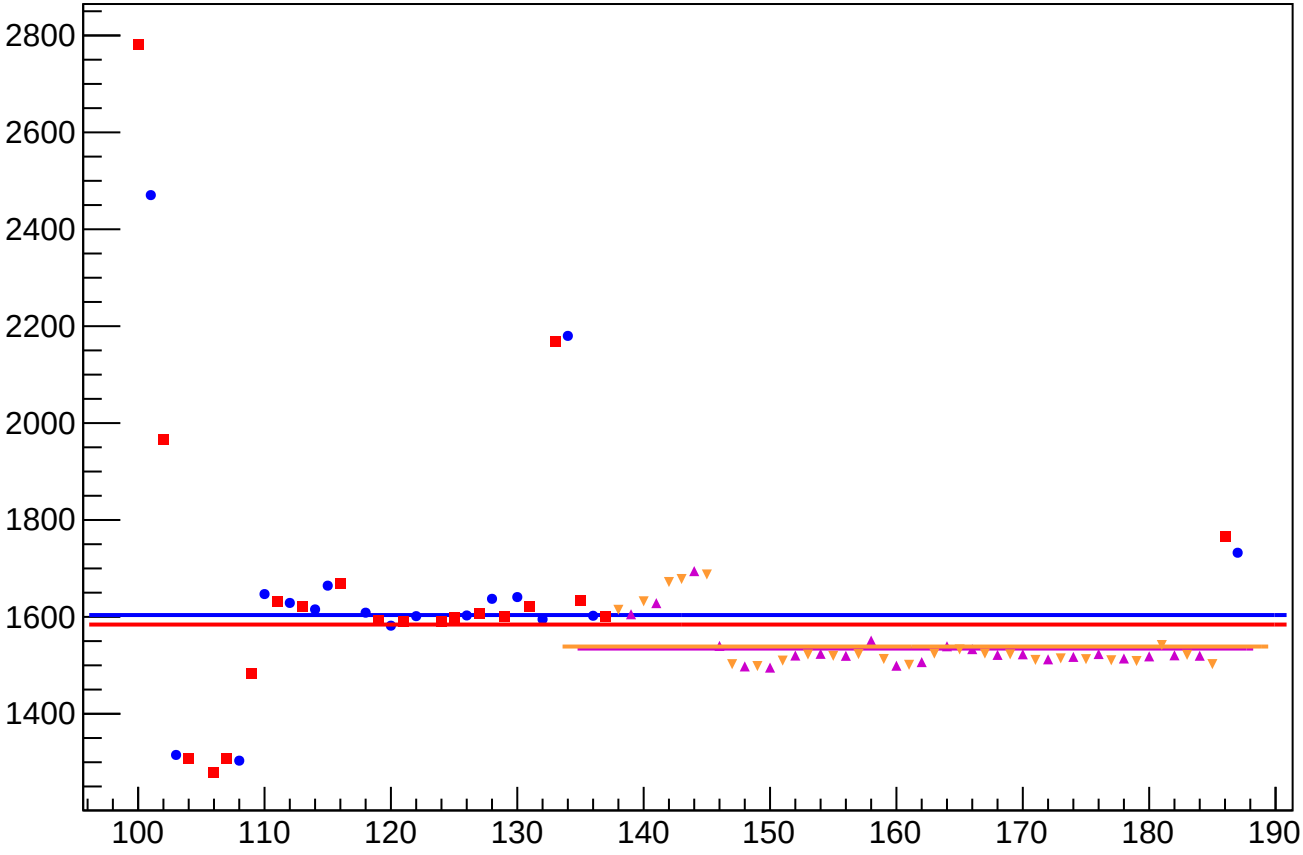
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2108.044+/-301.452 χ^2/NDF: 37.0/41

All: -183.364+/-214.100 χ^2/NDF: 188.7/84

- sign -2515.688+/-304.132 χ^2/NDF: 35.2/42

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1603.805+/-0.420 χ^2/NDF: 319542.1/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

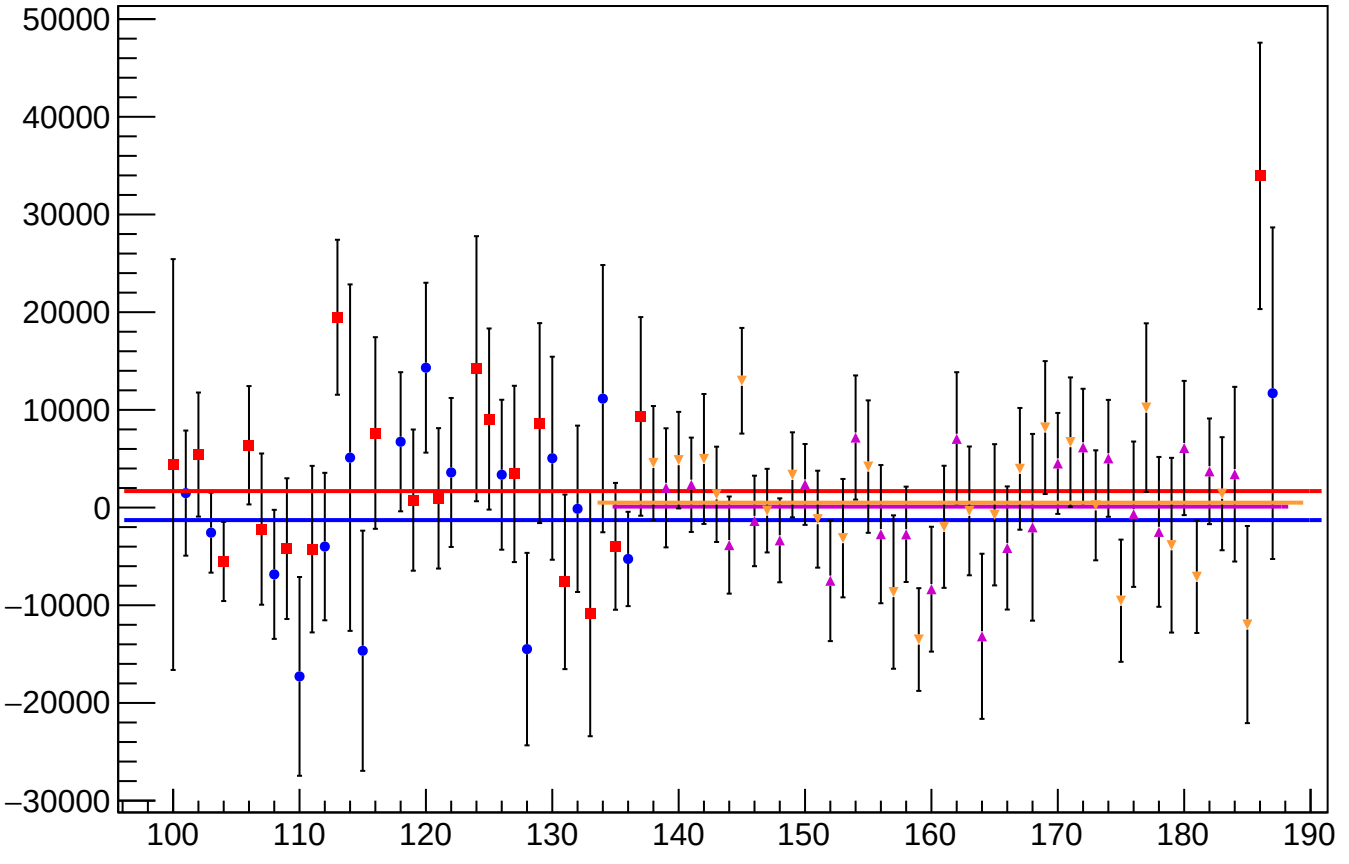
Right Out: 1584.179+/-0.405 χ^2/NDF: 252537.8/19

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1555.523+/-0.213 χ^2/NDF: 384358.4/41

All: 1552.076+/-0.151 χ^2/NDF: 679314.2/84

- sign 1548.575+/-0.215 χ^2/NDF: 294428.7/42



Right In: -1283.302+/-1837.460 χ^2/NDF: 14.4/16

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1686.999+/-1750.772 χ^2/NDF: 21.9/19

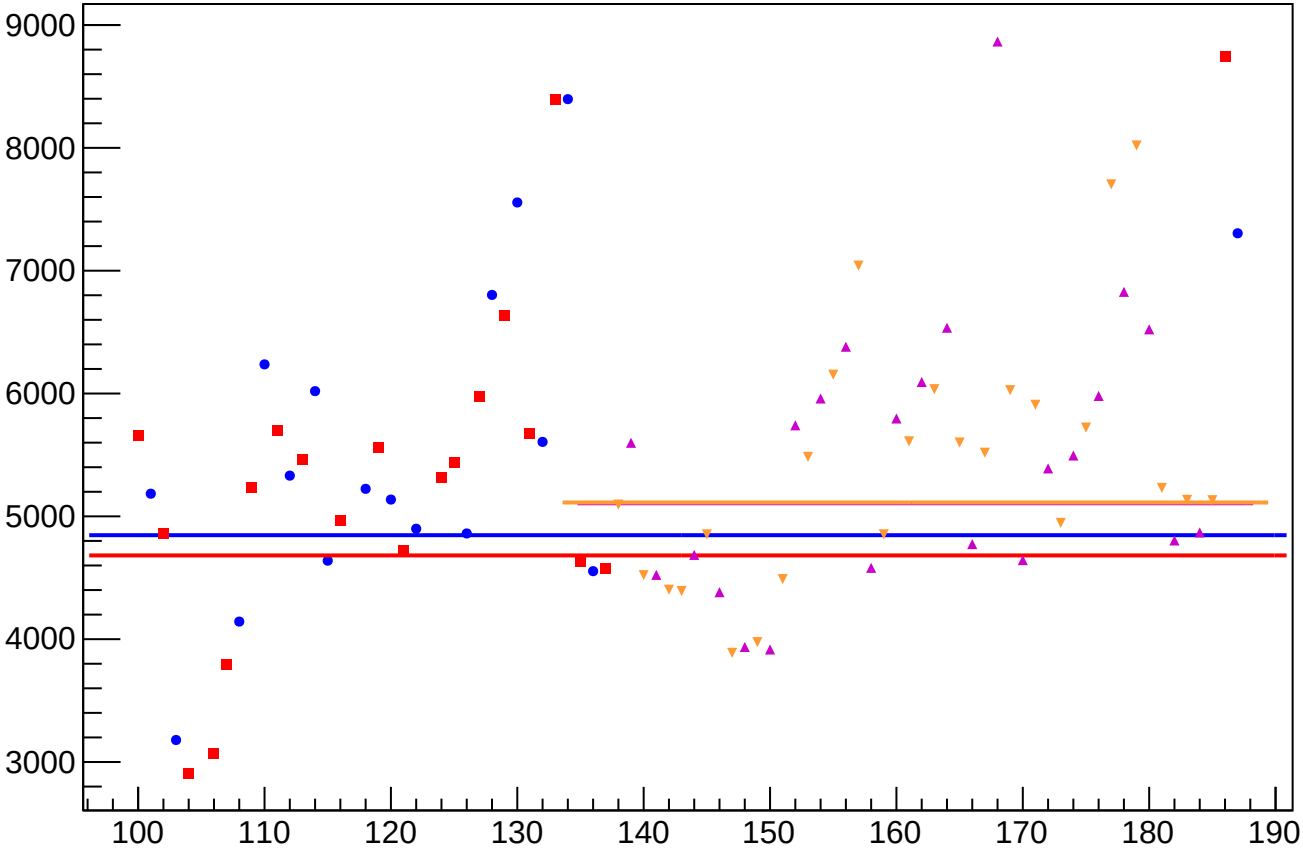
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign -22.552+/-997.230 χ^2/NDF: 41.9/41

All: 295.938+/-705.989 χ^2/NDF: 79.5/84

- sign 615.952+/-999.613 χ^2/NDF: 37.4/42

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 4846.635+/-1.299 χ^2/NDF: 837685.7/16

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4681.919+/-1.238 χ^2/NDF: 1158319.7/19

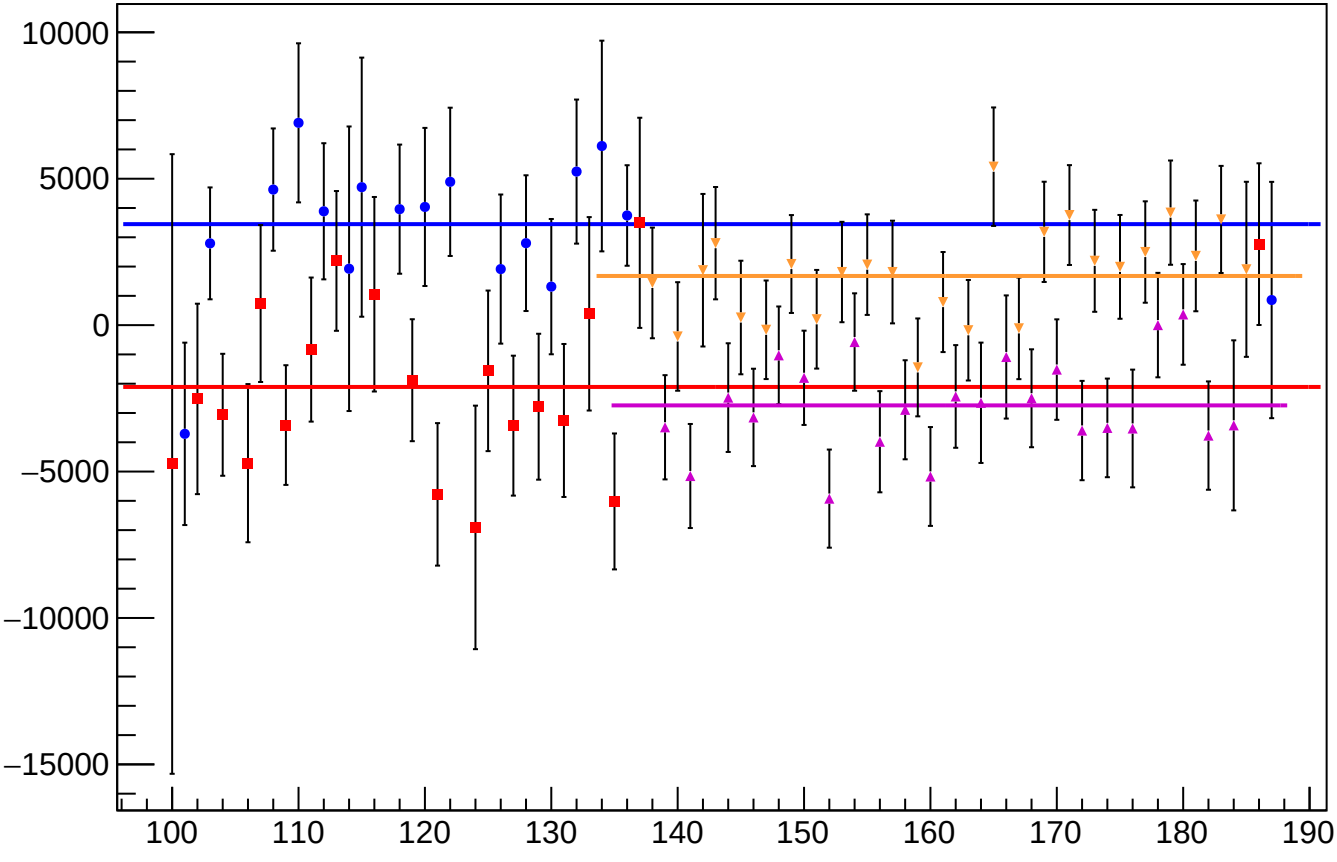
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5034.505+/-0.705 χ^2/NDF: 2026346.5/41

All: 5001.338+/-0.499 χ^2/NDF: 4519959.9/84

- sign 4968.012+/-0.707 χ^2/NDF: 2489178.2/42

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3448.975+/-609.645 χ^2/NDF: 10.8/16

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -2110.732+/-593.308 χ^2/NDF: 20.4/19

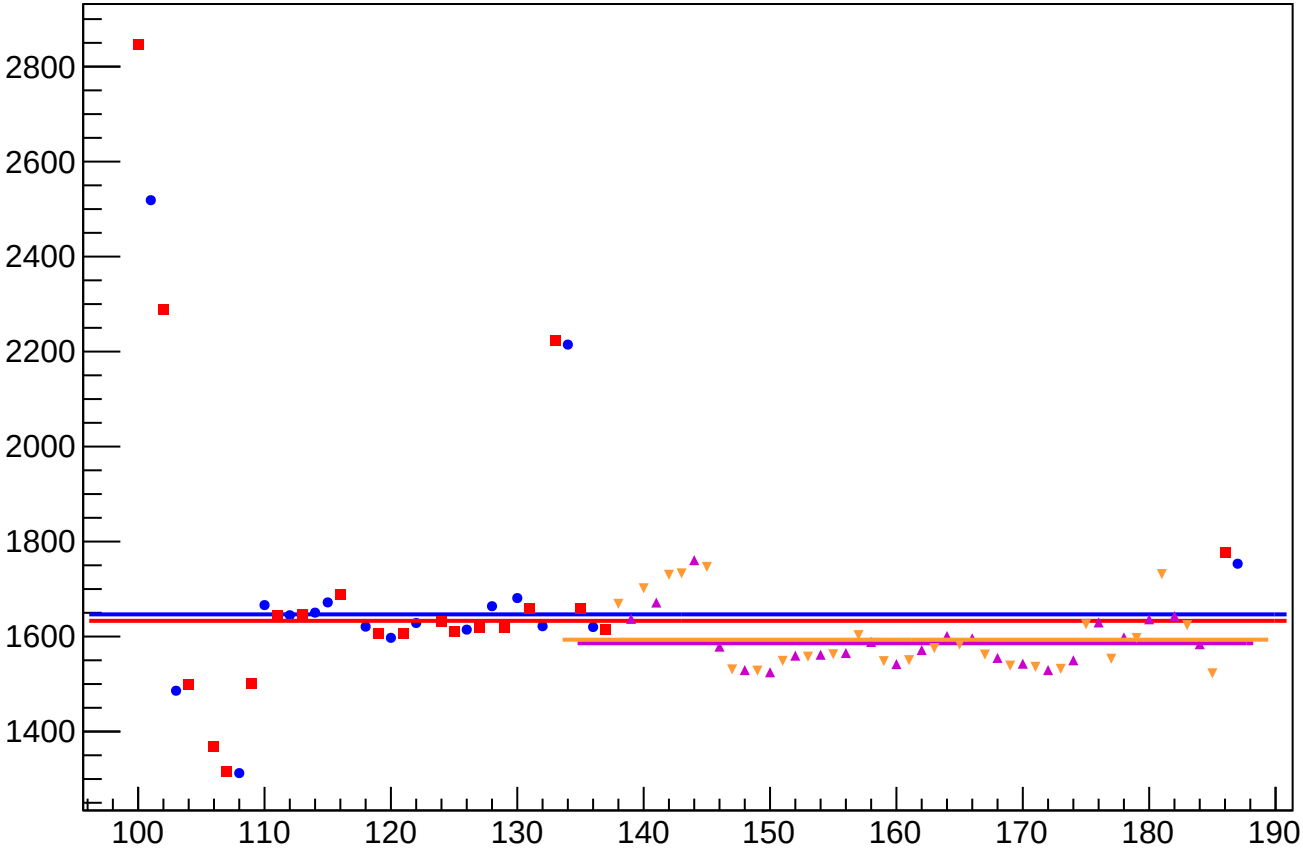
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2141.246+/-311.511 χ^2/NDF: 36.0/41

All: -190.171+/-221.259 χ^2/NDF: 189.4/84

- sign -2563.865+/-314.323 χ^2/NDF: 40.4/42

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1646.689+/-0.431 χ^2/NDF: 276246.9/16

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

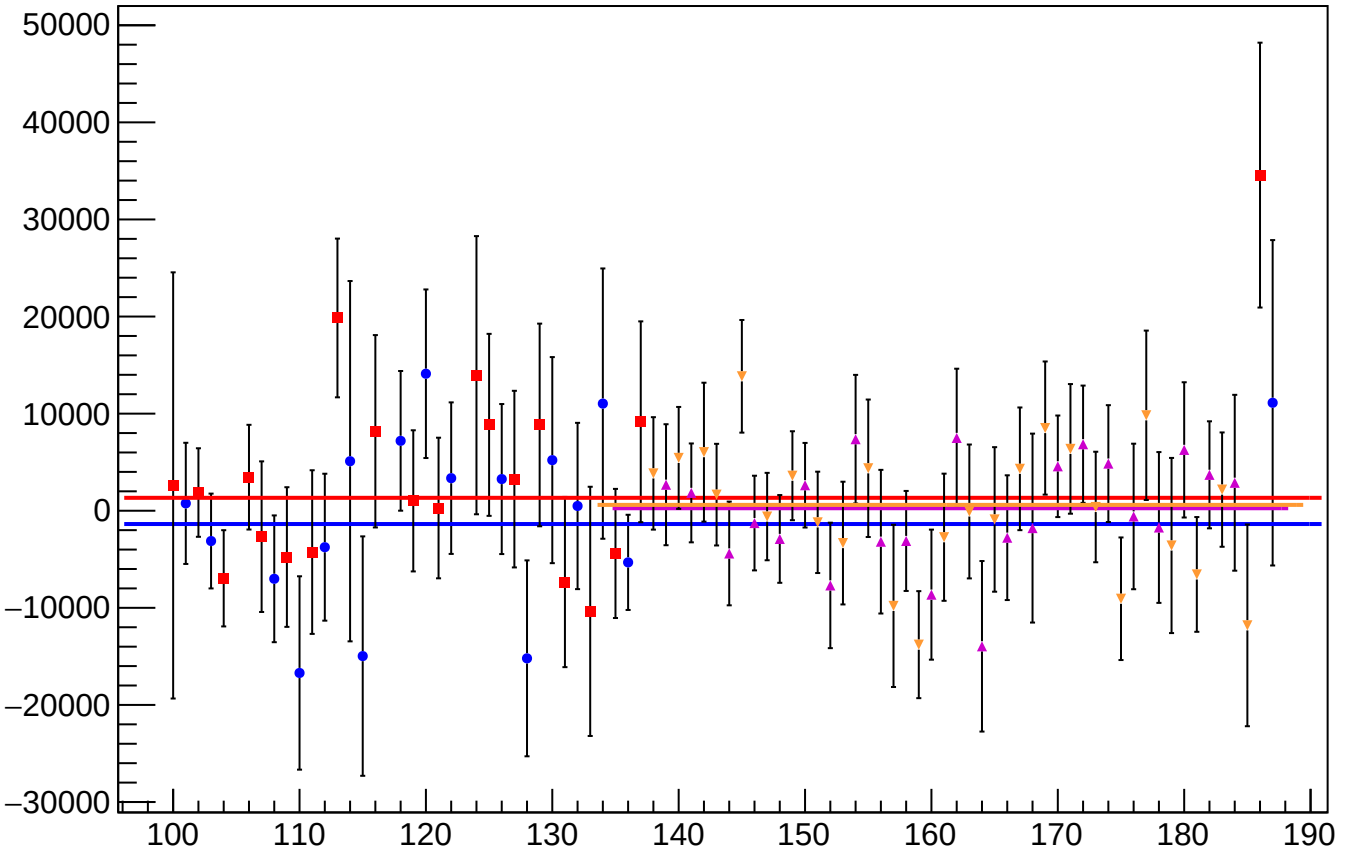
Right Out: 1633.080+/-0.419 χ^2/NDF: 243254.4/19

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1607.304+/-0.220 χ^2/NDF: 359419.8/41

All: 1603.273+/-0.156 χ^2/NDF: 654366.6/84

- sign 1599.171+/-0.222 χ^2/NDF: 294271.1/42



Right In: -1369.232+/-1901.438 χ^2/NDF: 14.4/16

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1330.467+/-1734.372 χ^2/NDF: 21.1/19

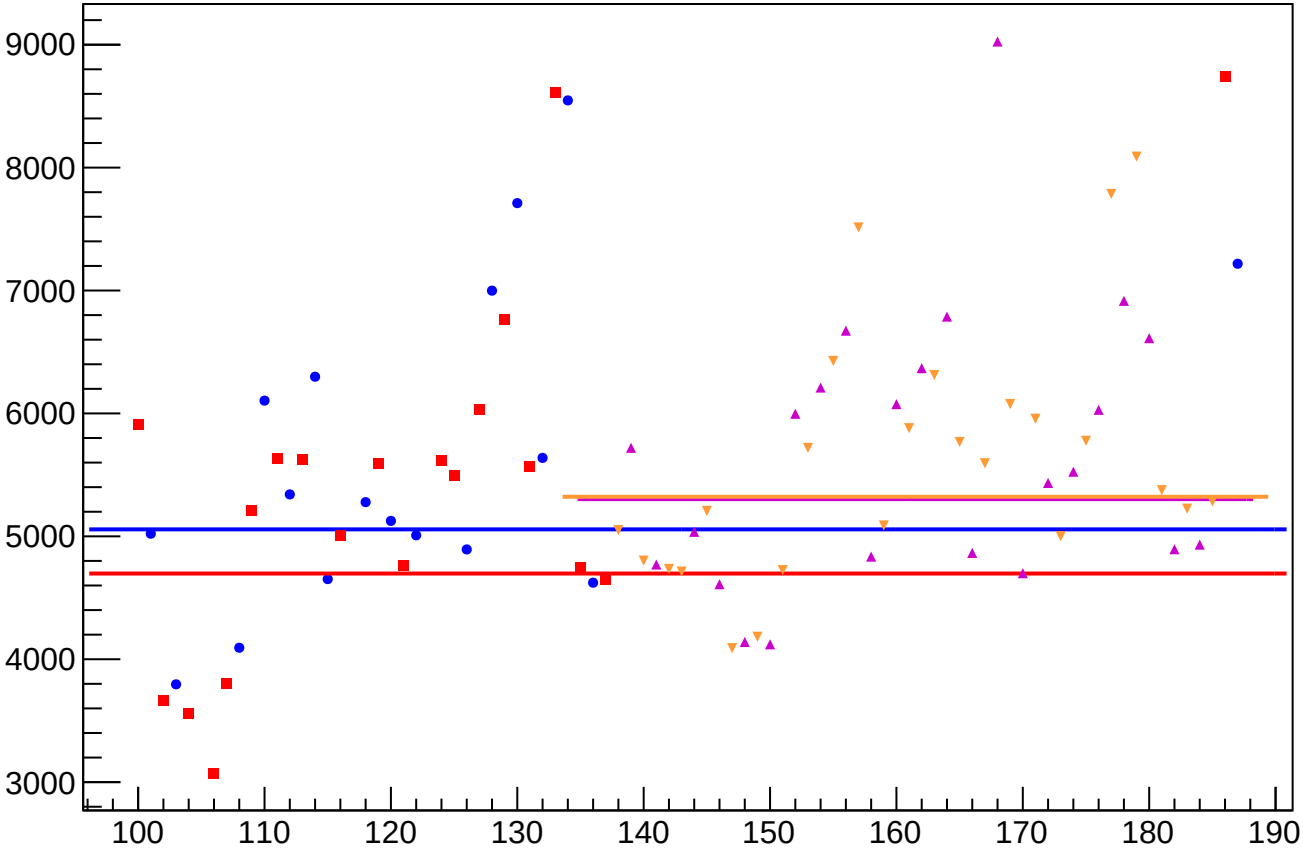
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 17.976+/-1034.860 χ^2/NDF: 41.2/41

All: 327.233+/-726.723 χ^2/NDF: 77.4/84

\- sign 628.125+/-1020.767 χ^2/NDF: 36.0/42

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5056.640+/-1.345 χ^2/NDF: 599170.8/16

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4697.359+/-1.226 χ^2/NDF: 1042198.7/19

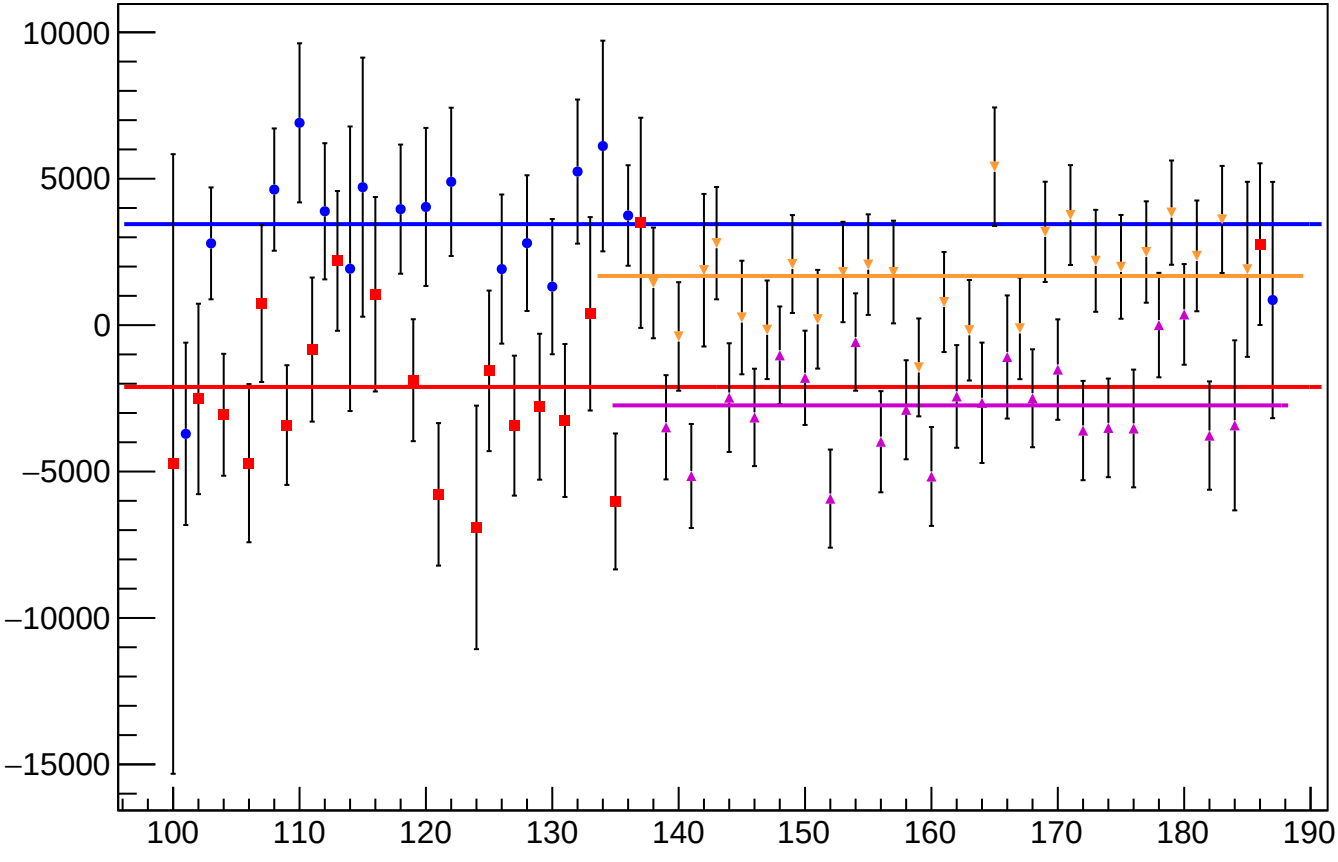
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5243.367+/-0.732 χ^2/NDF: 1663585.4/41

All: 5167.209+/-0.514 χ^2/NDF: 4038852.7/84

- sign 5093.112+/-0.722 χ^2/NDF: 2353897.1/42

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3448.979+/-609.645 χ^2/NDF: 10.8/16

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -2110.742+/-593.308 χ^2/NDF: 20.4/19

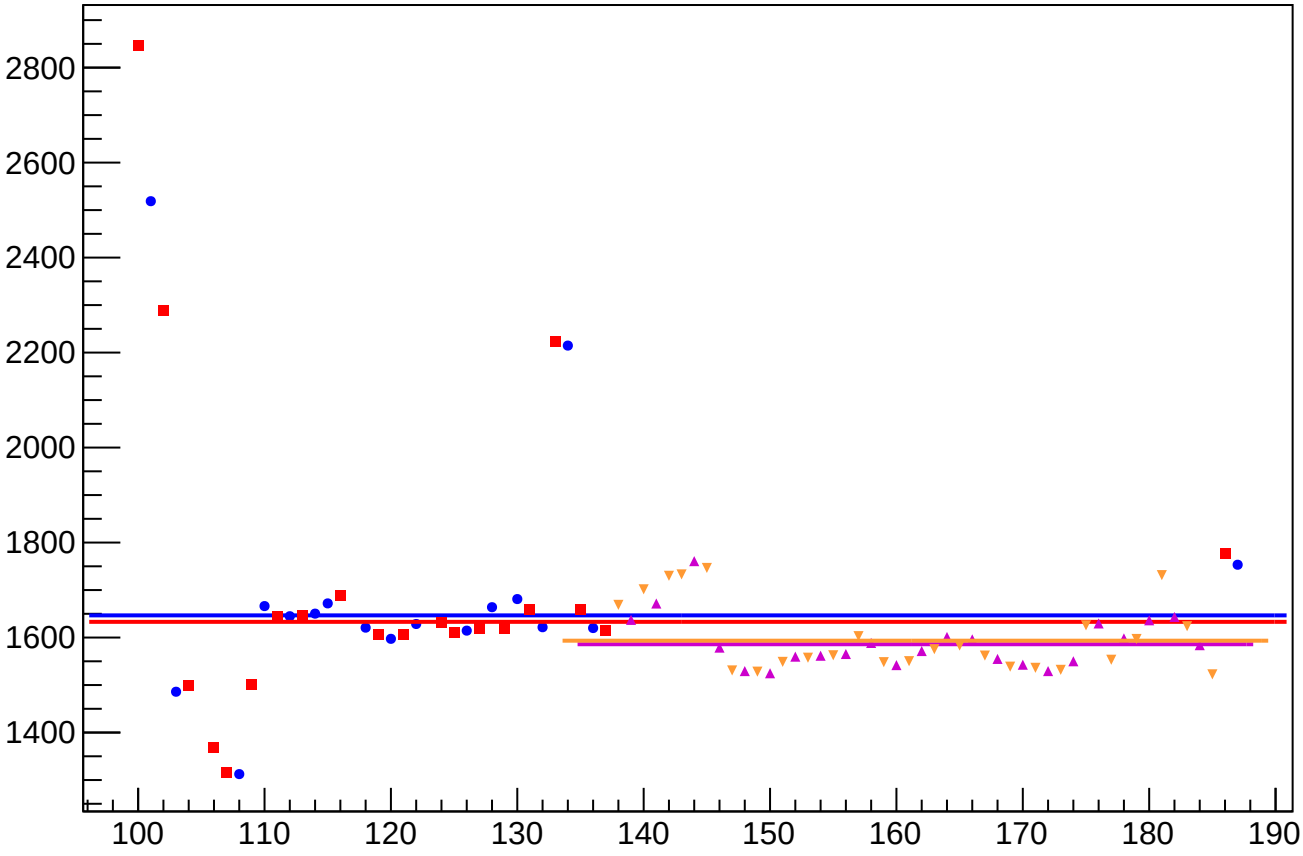
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2141.242+/-311.511 χ^2/NDF: 36.0/41

All: -190.174+/-221.259 χ^2/NDF: 189.4/84

- sign -2563.867+/-314.323 χ^2/NDF: 40.4/42

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1646.688+/-0.431 χ^2/NDF: 276247.1/16

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

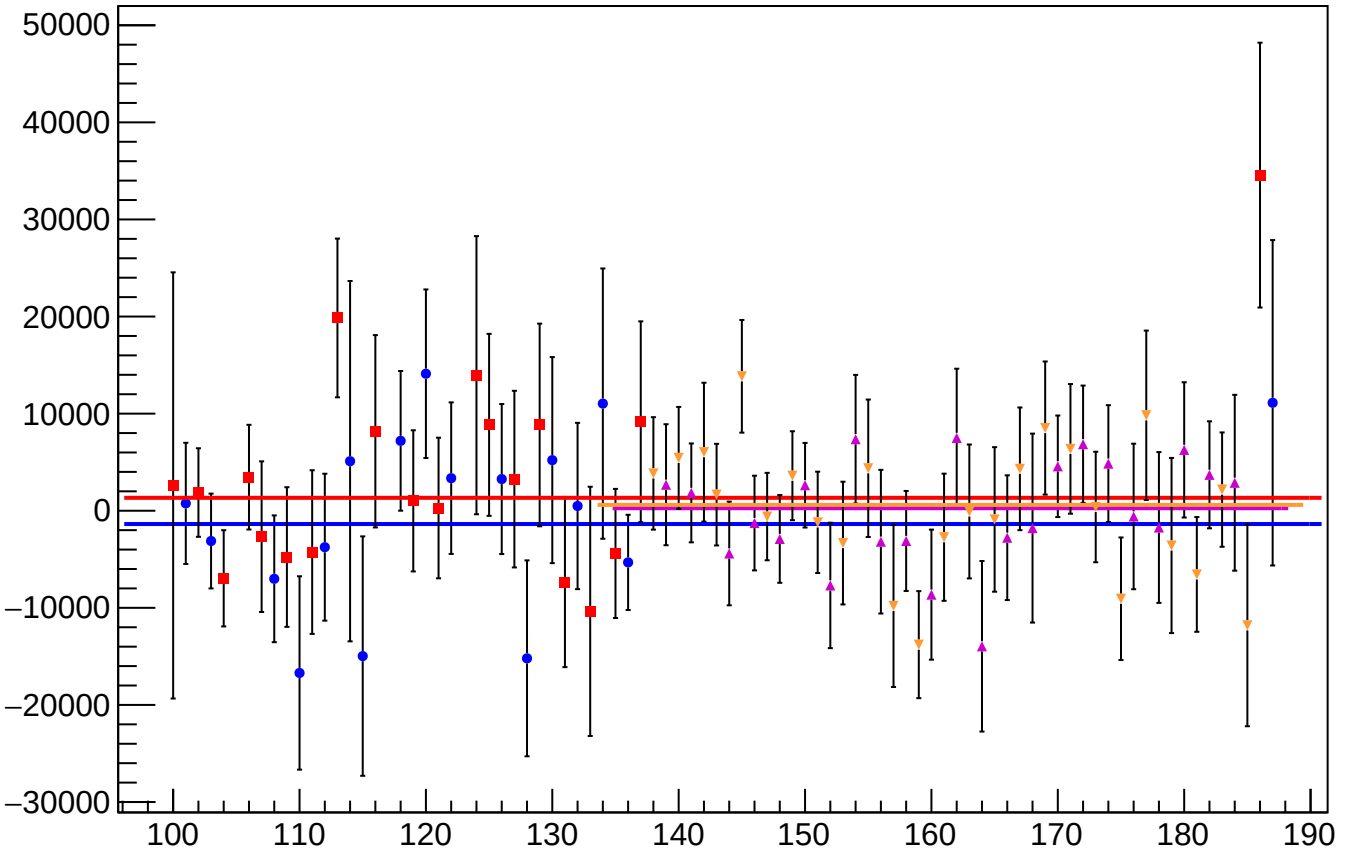
Right Out: 1633.080+/-0.419 χ^2/NDF: 243254.0/19

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1607.305+/-0.220 χ^2/NDF: 359419.2/41

All: 1603.274+/-0.156 χ^2/NDF: 654364.9/84

- sign 1599.171+/-0.222 χ^2/NDF: 294270.0/42



Right In: -1369.217+/-1901.435 χ^2/NDF: 14.4/16

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

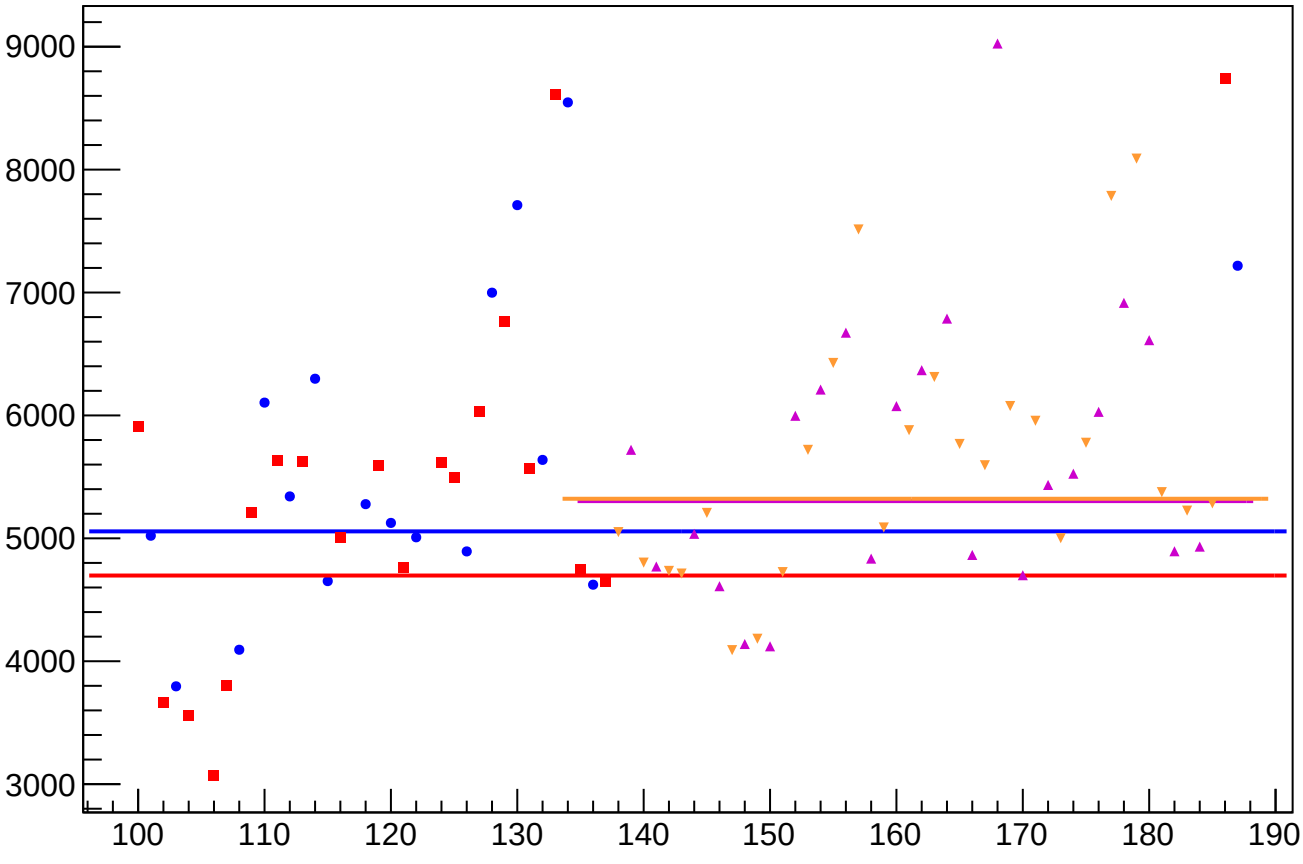
Right Out: 1330.467+/-1734.369 χ^2/NDF: 21.1/19

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 17.975+/-1034.861 χ^2/NDF: 41.2/41

All: 327.235+/-726.723 χ^2/NDF: 77.4/84

\- sign 628.128+/-1020.768 χ^2/NDF: 36.0/42



Right In: 5056.633+/-1.345 χ^2/NDF: 599165.0/16

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

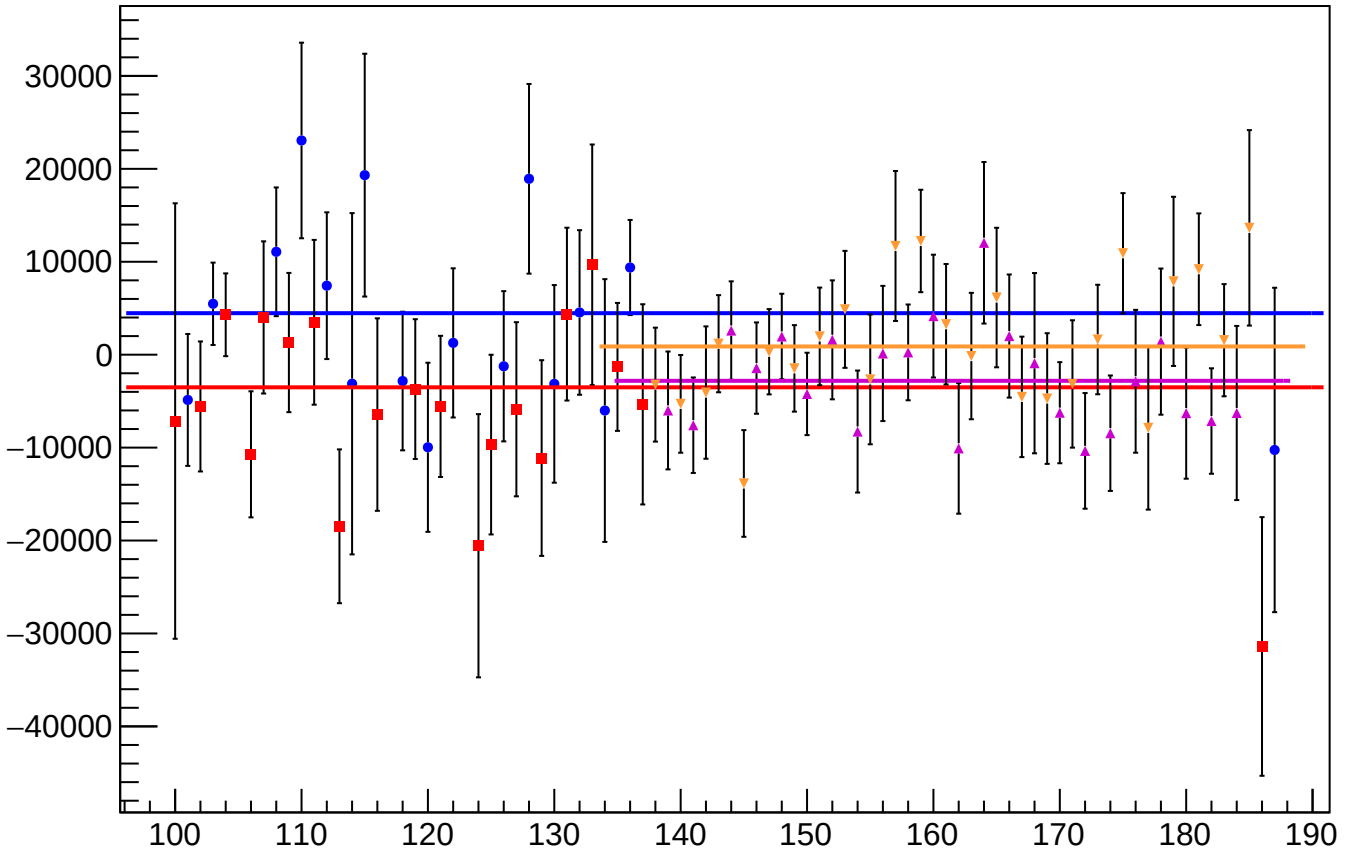
Right Out: 4697.353+/-1.226 χ^2/NDF: 1042192.5/19

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5243.371+/-0.732 χ^2/NDF: 1663585.1/41

All: 5167.213+/-0.514 χ^2/NDF: 4038858.8/84

- sign 5093.115+/-0.722 χ^2/NDF: 2353903.1/42



Right In: 4467.830+/-1946.284 χ^2/NDF: 16.2/16

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -3511.368+/-1865.825 χ^2/NDF: 18.0/19

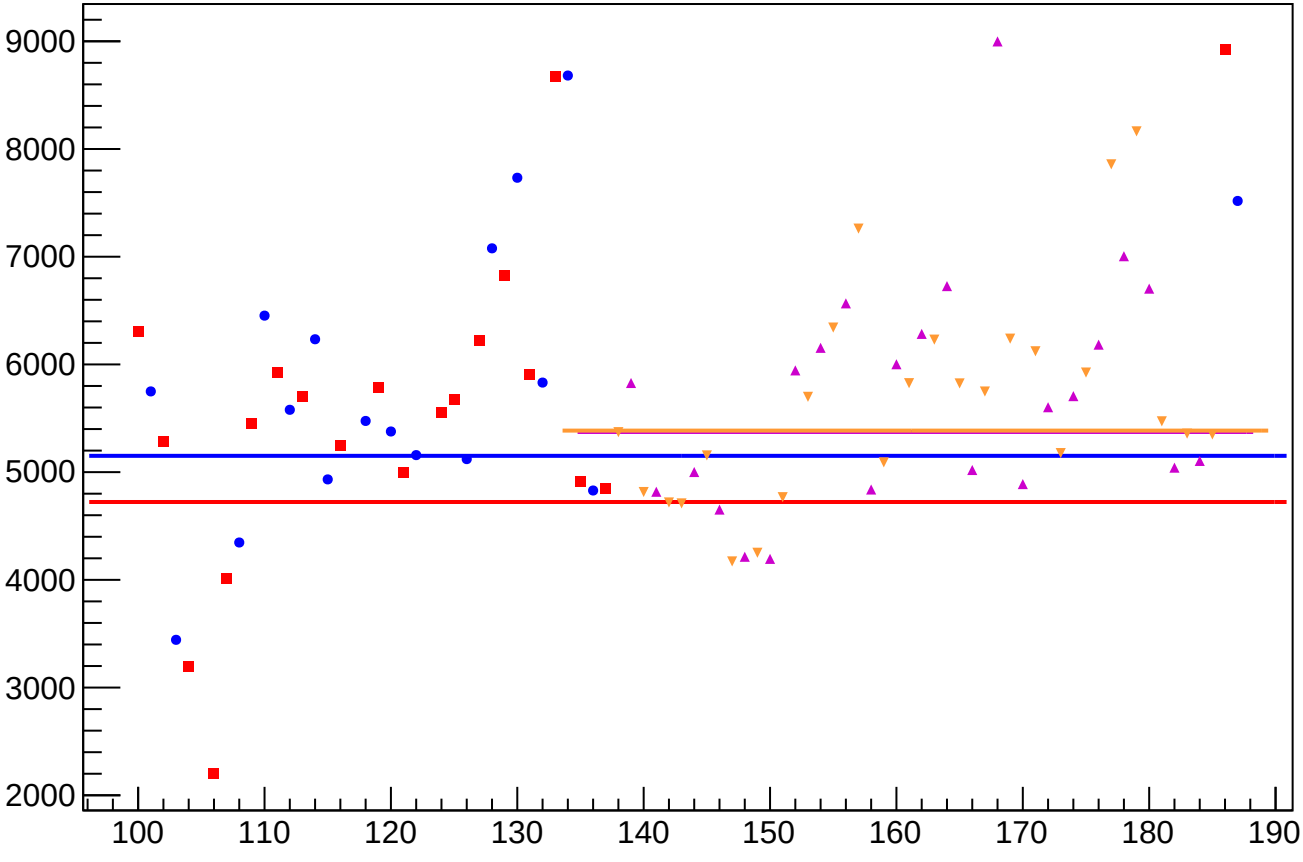
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1927.478+/-1049.676 χ^2/NDF: 44.3/41

All: -543.331+/-743.737 χ^2/NDF: 88.2/84

- sign -3034.267+/-1053.943 χ^2/NDF: 32.8/42

asym_usr_atr2_avg_rms vs Slug



Right In: 5151.433+/-1.376 χ^2/NDF: 757588.9/16

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 4722.874+/-1.270 χ^2/NDF: 1530393.8/19

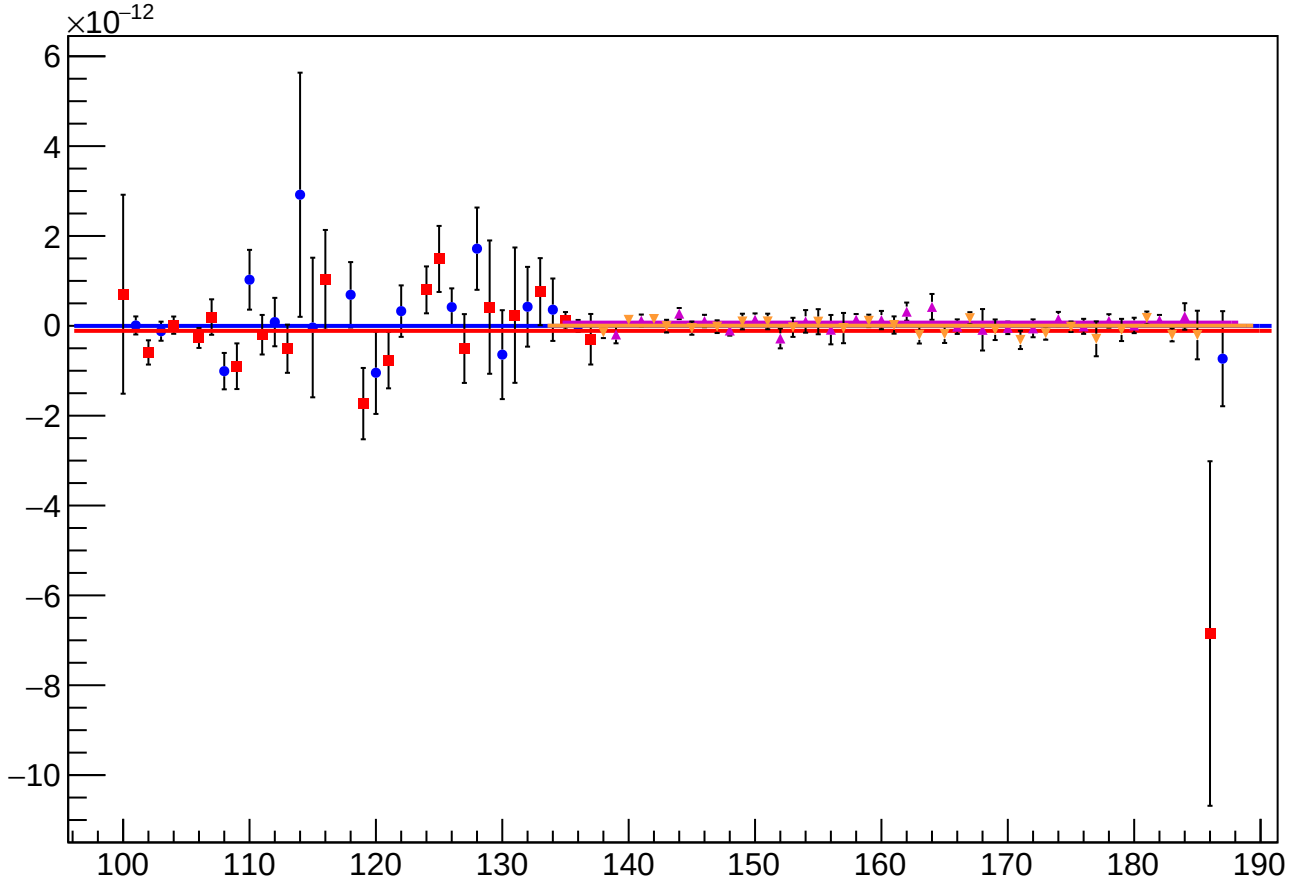
Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5317.525+/-0.742 χ^2/NDF: 1765217.8/41

All: 5235.309+/-0.523 χ^2/NDF: 4565796.2/84

- sign 5154.481+/-0.736 χ^2/NDF: 2776246.2/42

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

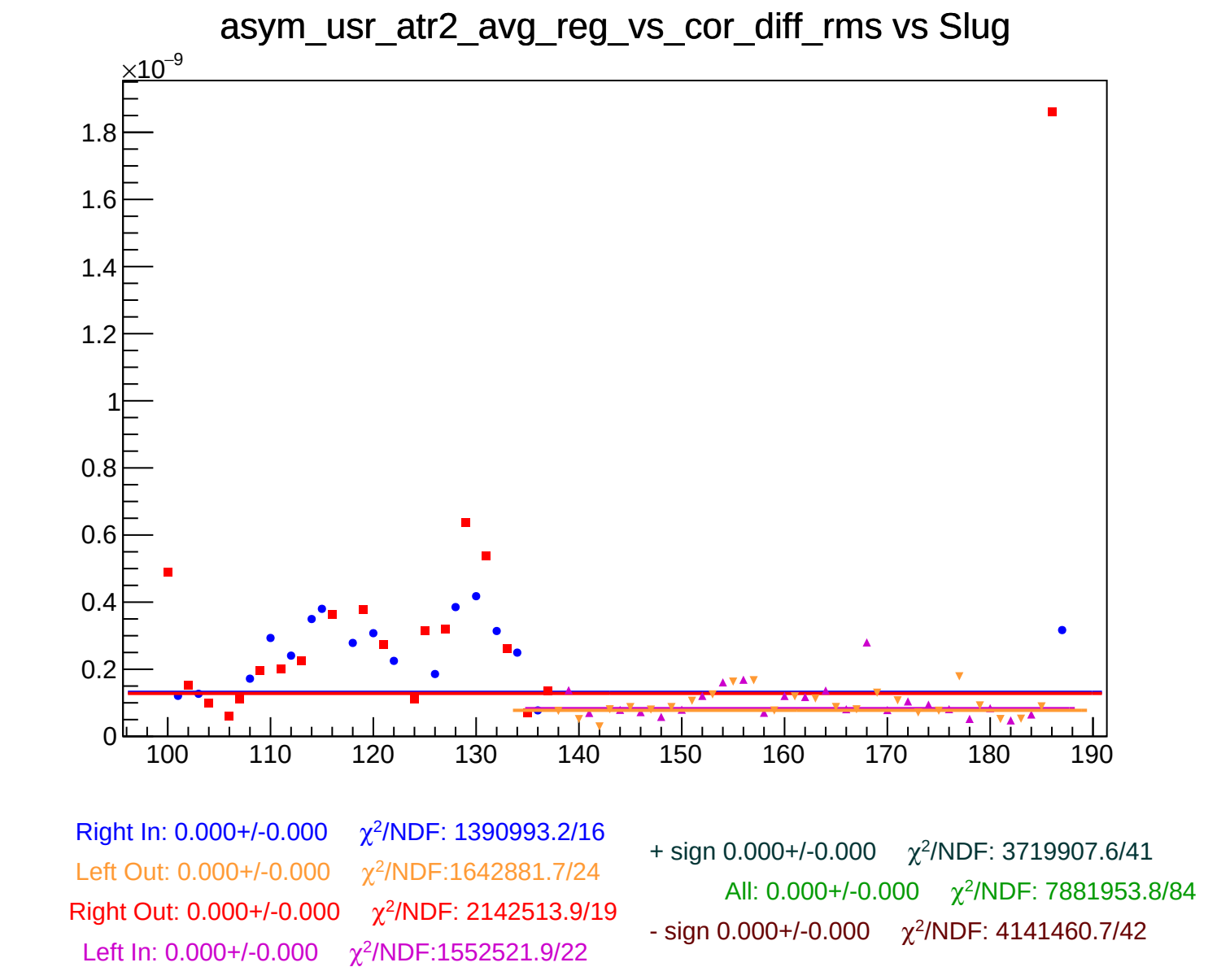
Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/19

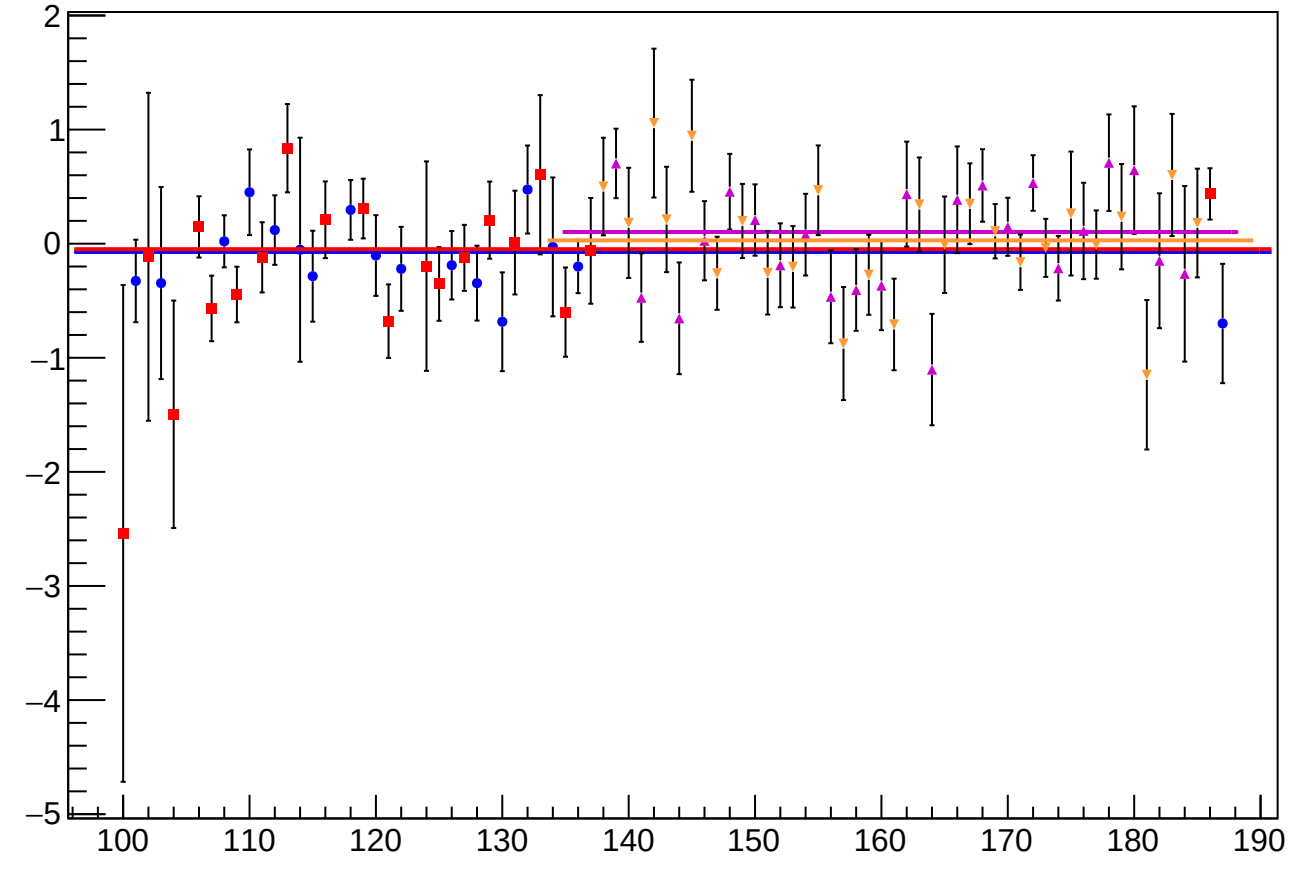
Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/41

All: 0.000+/-0.000 χ^2/NDF: 85.7/84

- sign 0.000+/-0.000 χ^2/NDF: 47.7/42


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1390993.2/16
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2142513.9/19
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
+ sign 0.000+/-0.000 χ²/NDF: 3719907.6/41
All: 0.000+/-0.000 χ²/NDF: 7881953.8/84
- sign 0.000+/-0.000 χ²/NDF: 4141460.7/42



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.048+/-0.078 χ^2/NDF: 30.5/19

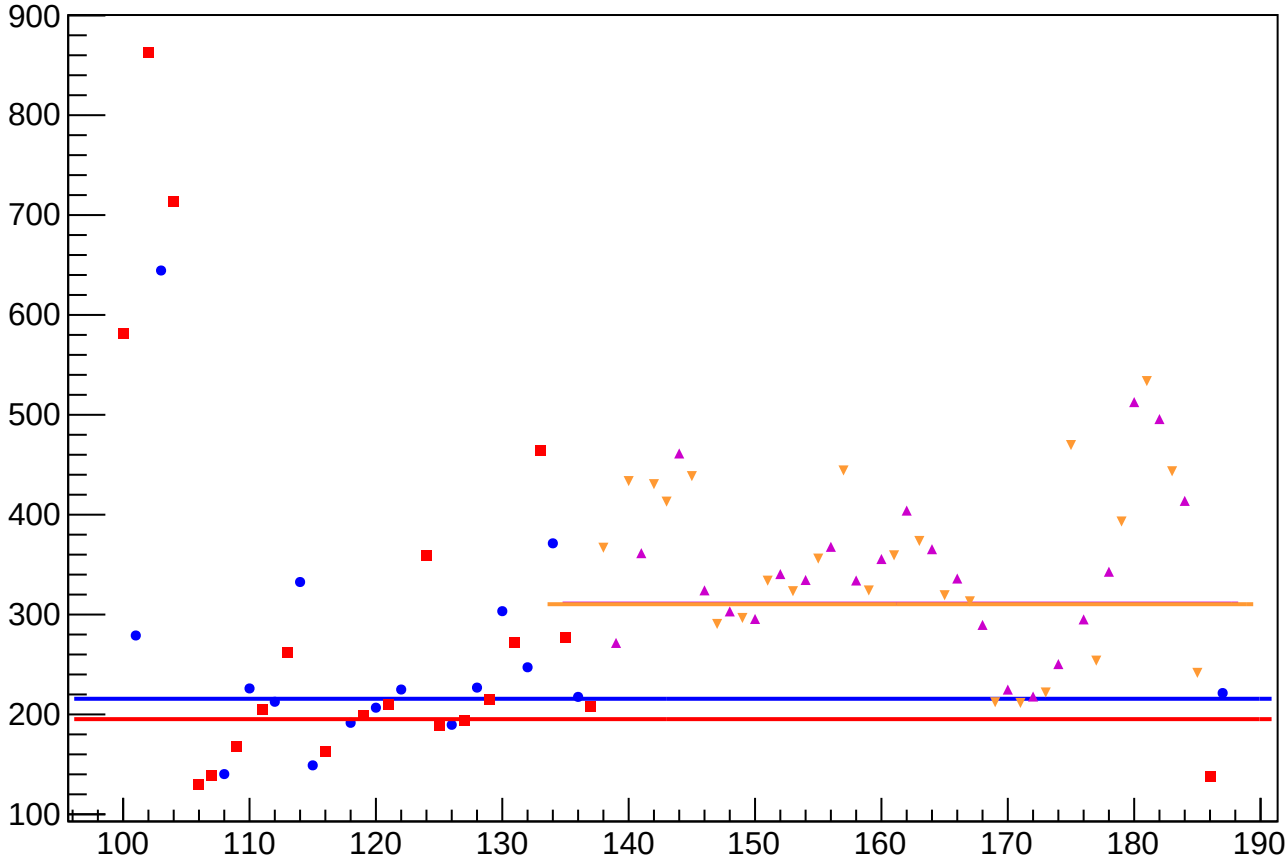
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.016+/-0.056 χ^2/NDF: 38.3/41

All: 0.007+/-0.039 χ^2/NDF: 103.3/84

- sign 0.029+/-0.055 χ^2/NDF: 64.7/42

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 215.672+/-0.060 χ^2/NDF: 1148974.3/16

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

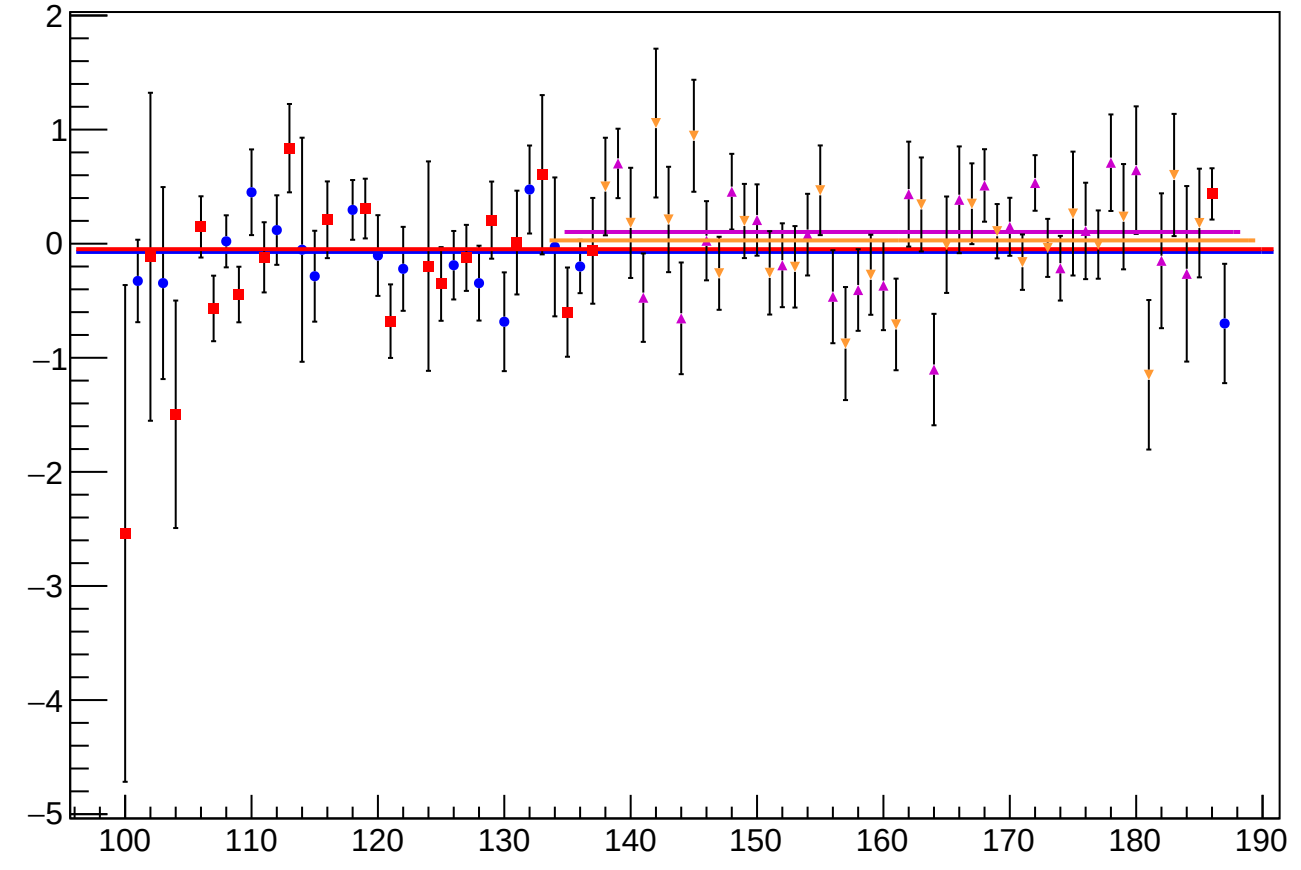
Right Out: 195.285+/-0.055 χ^2/NDF: 1986025.2/19

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 268.760+/-0.040 χ^2/NDF: 4925053.4/41

All: 261.436+/-0.028 χ^2/NDF: 10826275.6/84

- sign 254.465+/-0.039 χ^2/NDF: 5834227.7/42



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

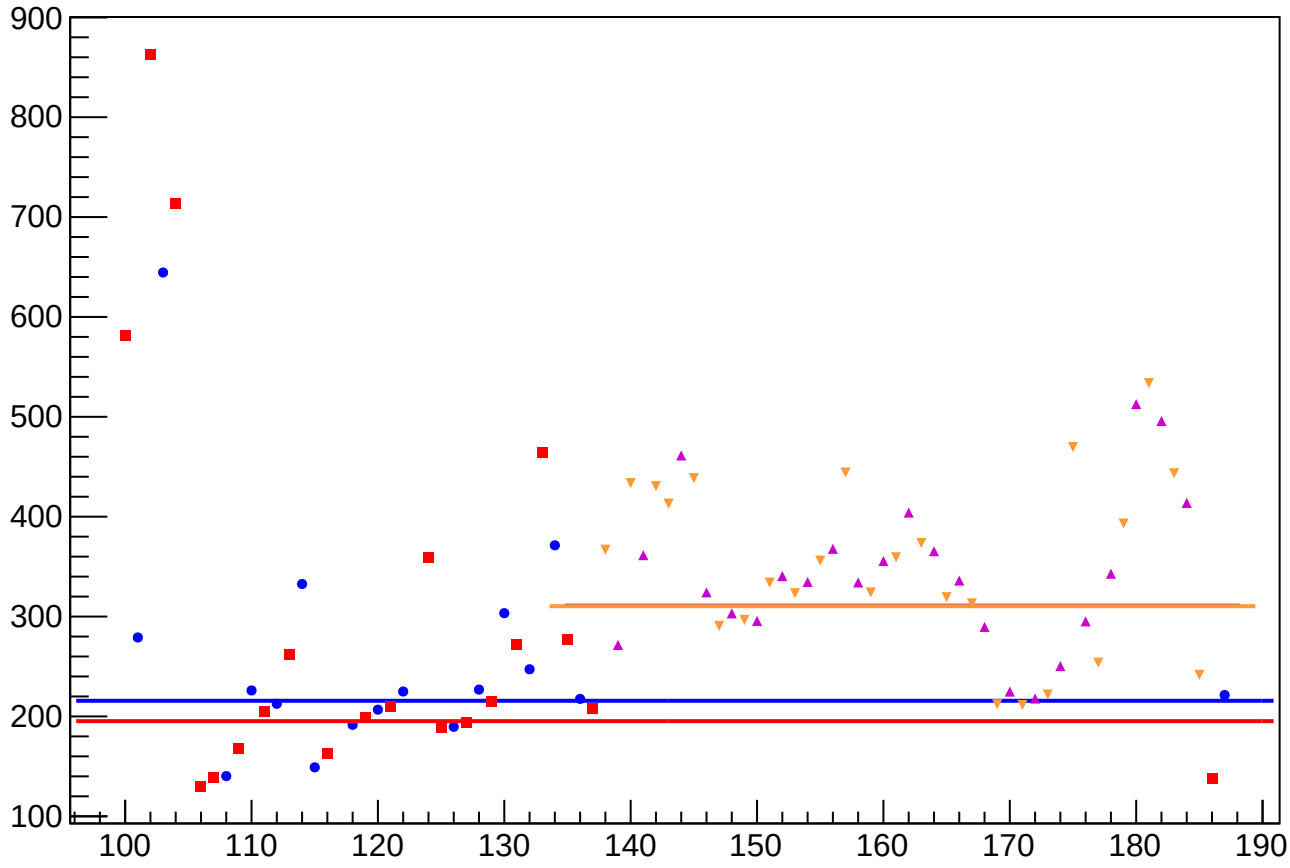
Right Out: -0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.016+/-0.056 χ^2/NDF: 38.3/41

All: 0.007+/-0.039 χ^2/NDF: 103.3/84

- sign 0.029+/-0.055 χ^2/NDF: 64.7/42



Right In: 215.672+/-0.060 χ^2/NDF: 1148974.3/16

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

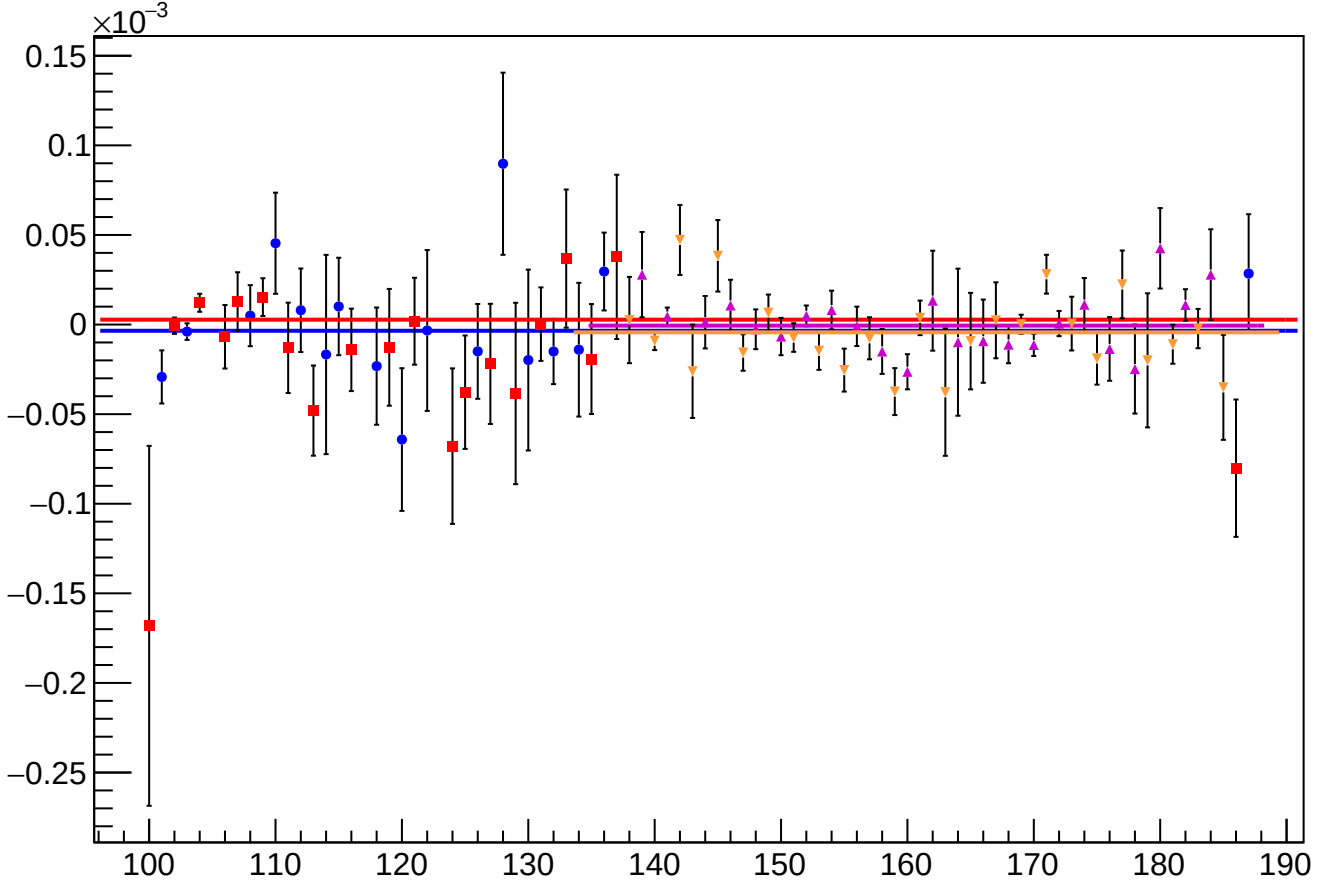
Right Out: 195.285+/-0.055 χ^2/NDF: 1986025.2/19

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 268.760+/-0.040 χ^2/NDF: 4925053.4/41

All: 261.436+/-0.028 χ^2/NDF: 10826275.6/84

- sign 254.465+/-0.039 χ^2/NDF: 5834227.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

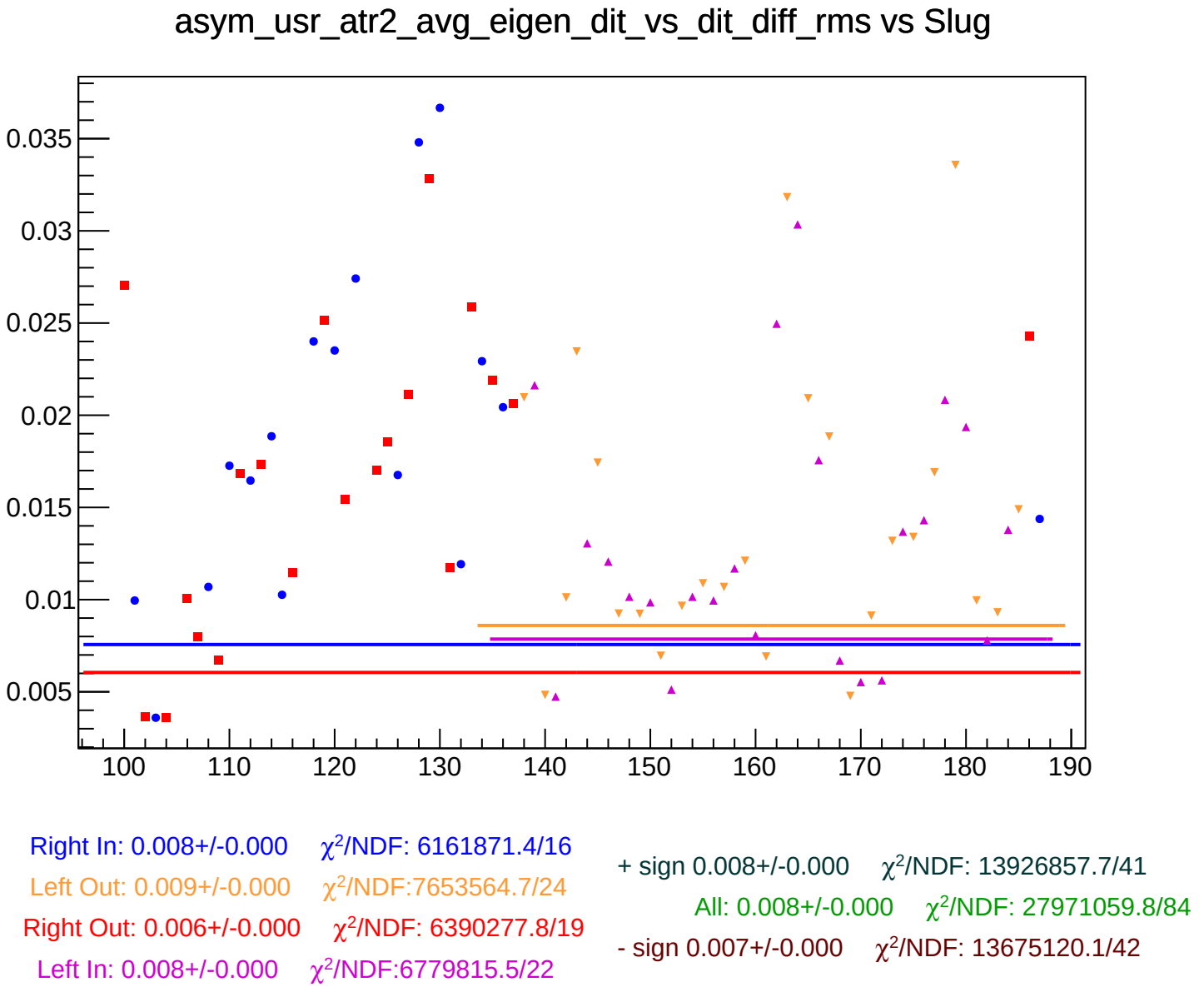
Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/19

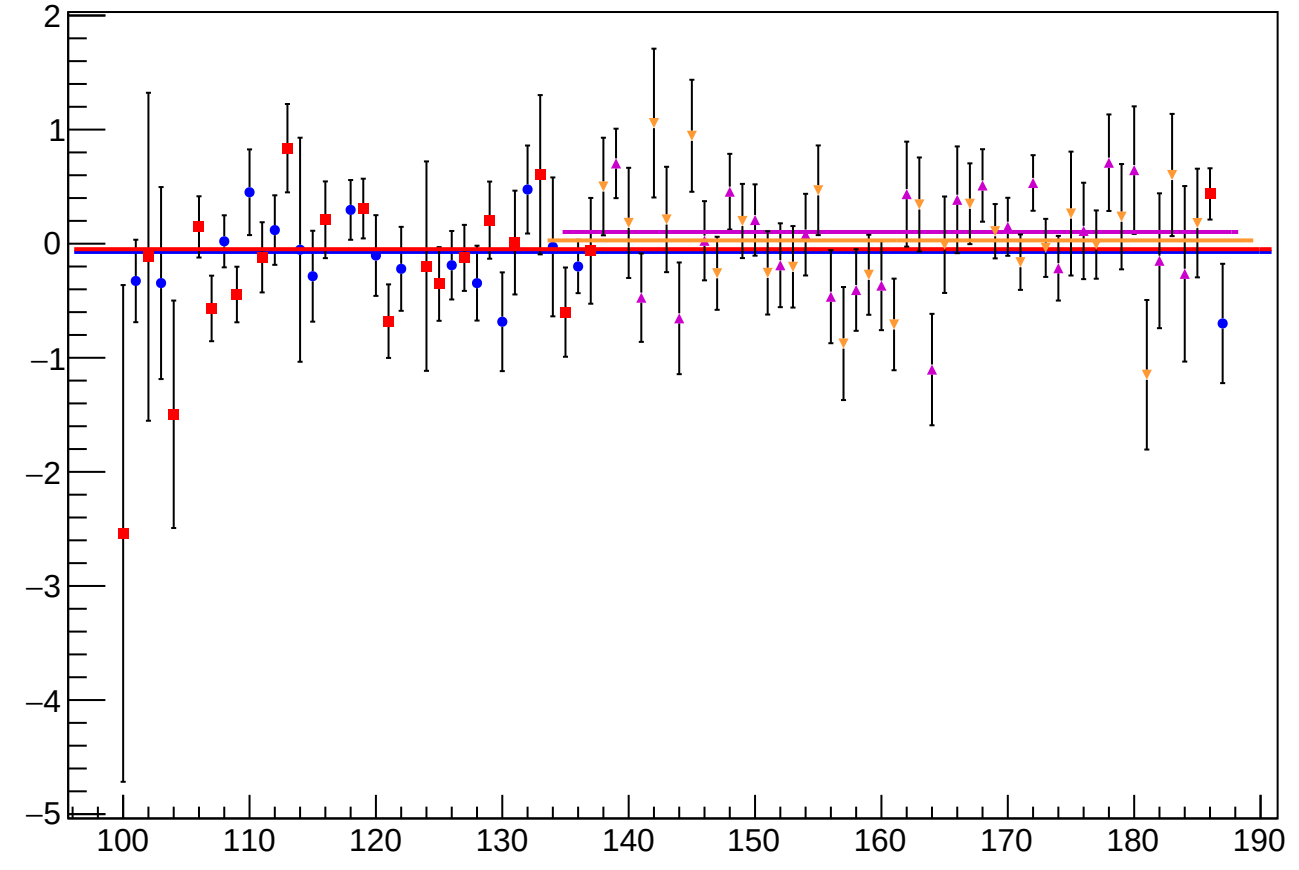
Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/41

All: -0.000+/-0.000 χ^2/NDF: 116.3/84

- sign 0.000+/-0.000 χ^2/NDF: 53.8/42


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 6161871.4/16
Left Out: 0.009+/-0.000 χ²/NDF:7653564.7/24
Right Out: 0.006+/-0.000 χ²/NDF: 6390277.8/19
Left In: 0.008+/-0.000 χ²/NDF:6779815.5/22
+ sign 0.008+/-0.000 χ²/NDF: 13926857.7/41
All: 0.008+/-0.000 χ²/NDF: 27971059.8/84
- sign 0.007+/-0.000 χ²/NDF: 13675120.1/42



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

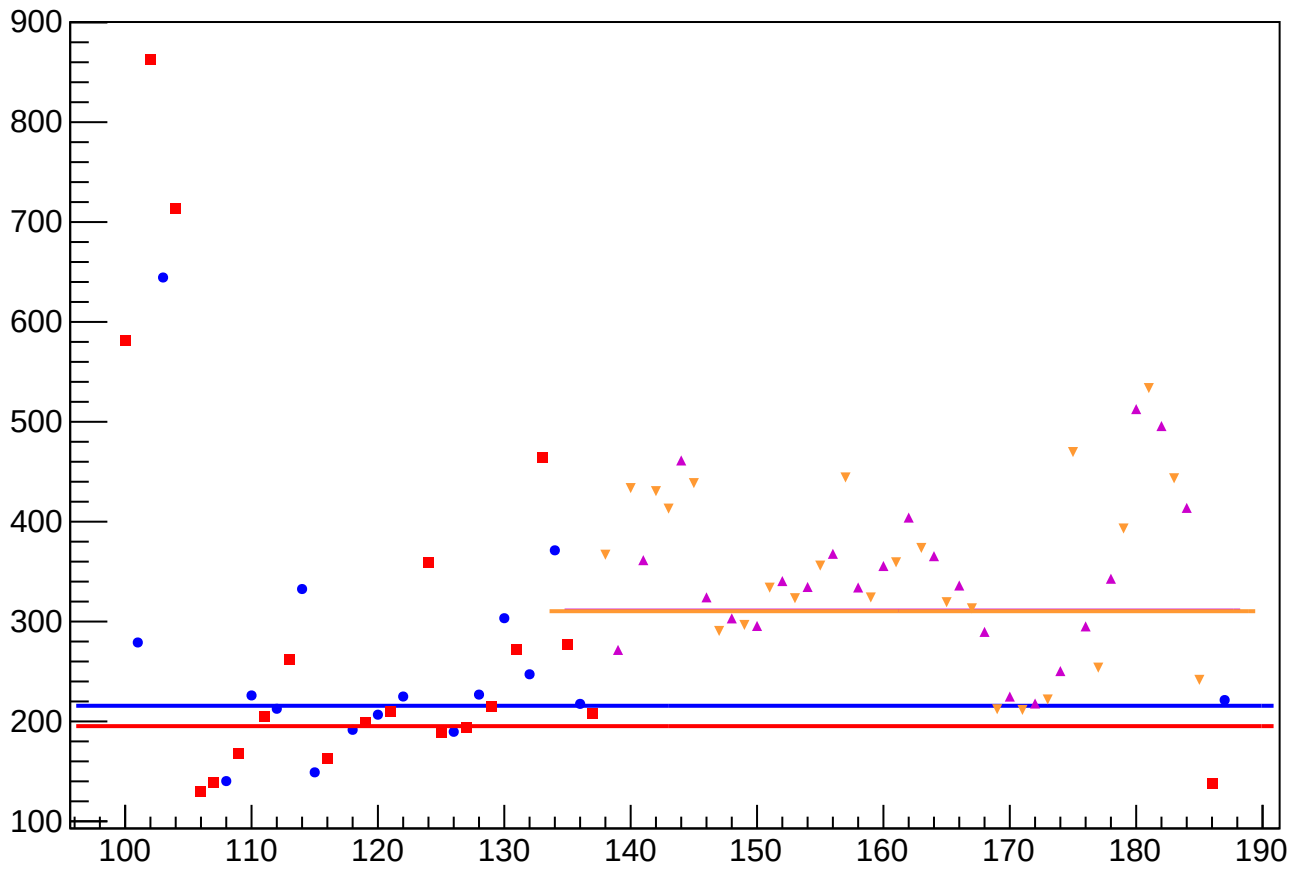
Right Out: -0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.016+/-0.056 χ^2/NDF: 38.3/41

All: 0.007+/-0.039 χ^2/NDF: 103.3/84

- sign 0.029+/-0.055 χ^2/NDF: 64.7/42



Right In: 215.671+/-0.060 χ^2/NDF: 1148948.3/16

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

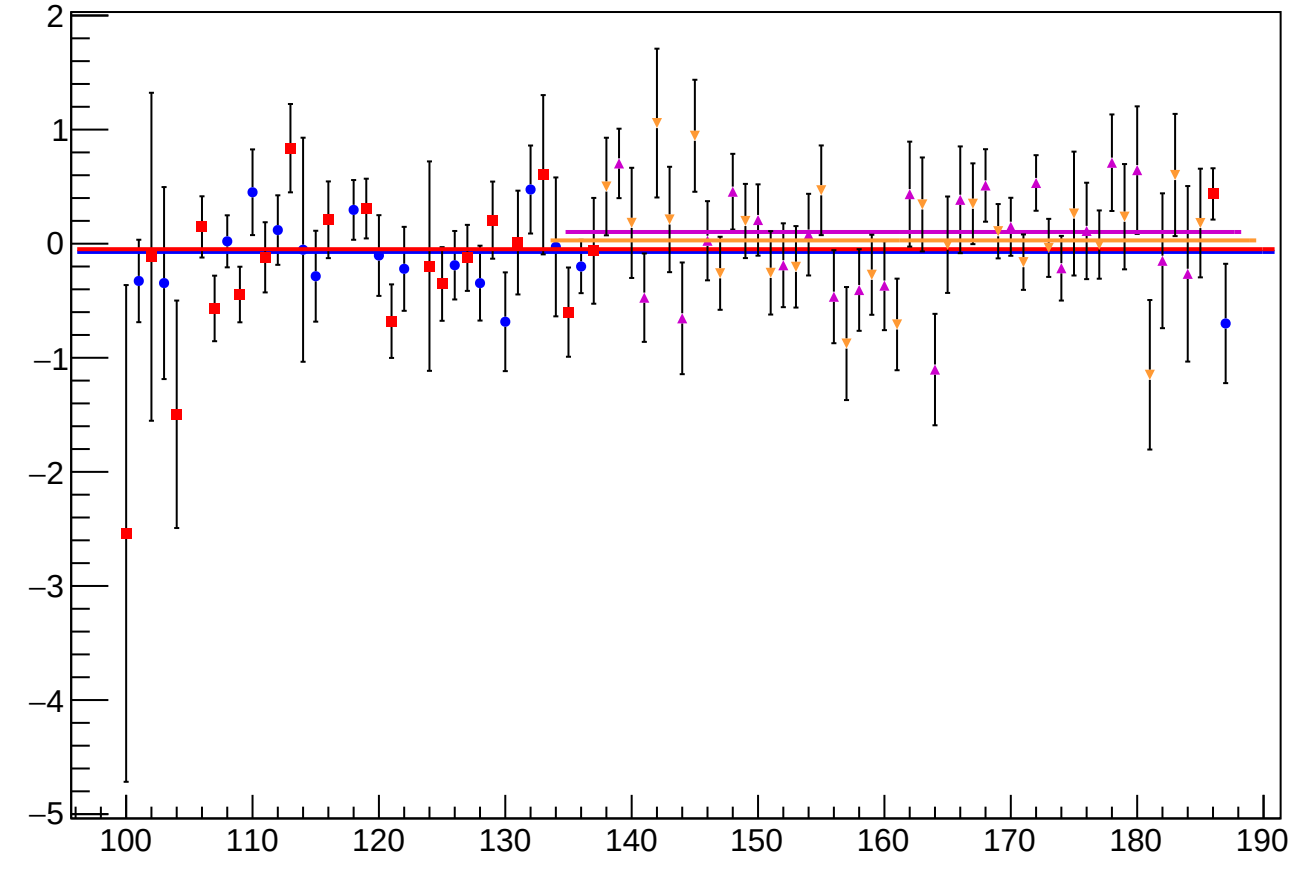
Right Out: 195.284+/-0.055 χ^2/NDF: 1986001.1/19

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 268.761+/-0.040 χ^2/NDF: 4925216.1/41

All: 261.436+/-0.028 χ^2/NDF: 10826618.5/84

- sign 254.465+/-0.039 χ^2/NDF: 5834404.3/42



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

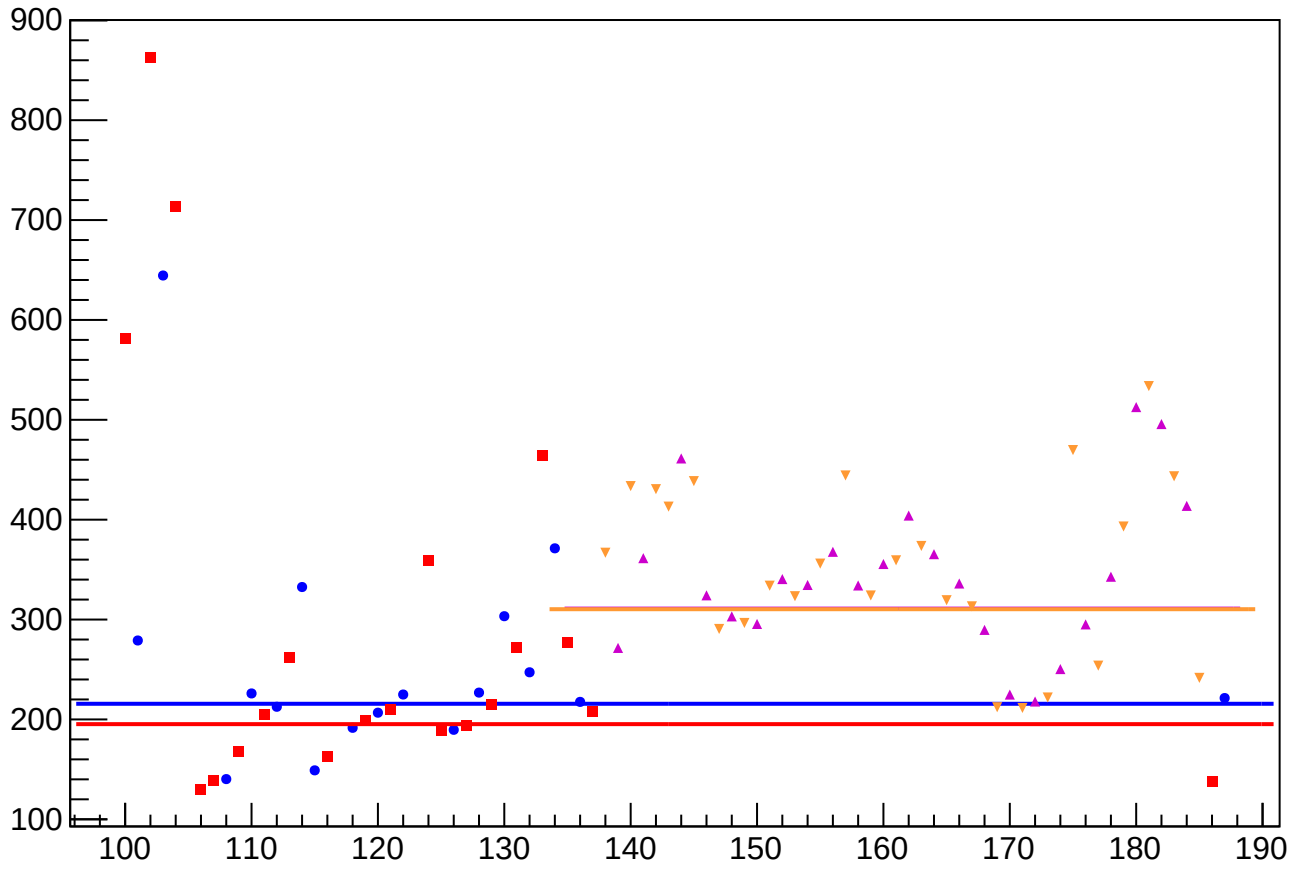
Right Out: -0.048+/-0.078 χ^2/NDF: 30.5/19

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.016+/-0.056 χ^2/NDF: 38.3/41

All: 0.007+/-0.039 χ^2/NDF: 103.3/84

- sign 0.029+/-0.055 χ^2/NDF: 64.7/42



Right In: 215.671+/-0.060 χ^2/NDF: 1148948.3/16

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

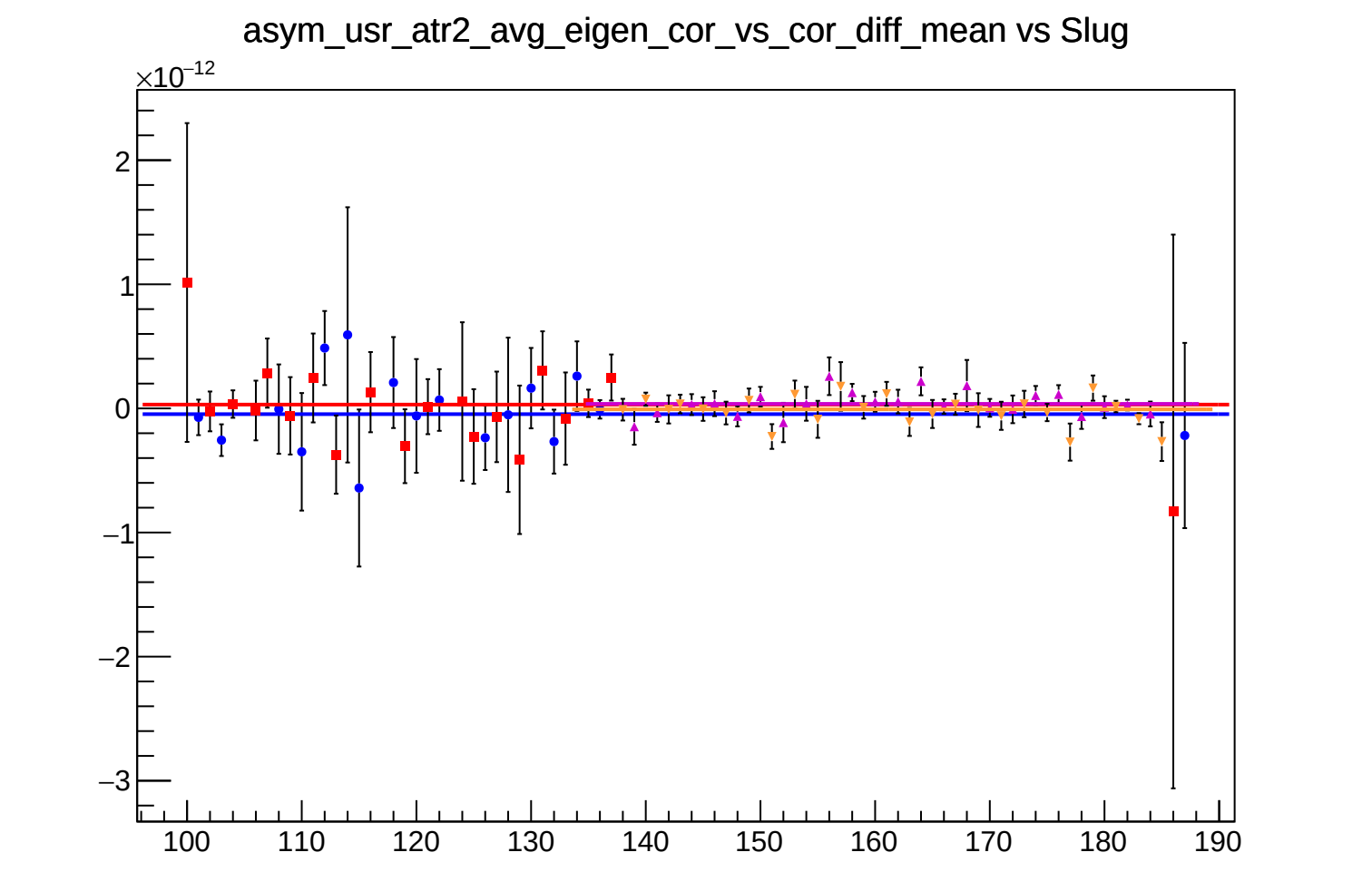
Right Out: 195.284+/-0.055 χ^2/NDF: 1986001.1/19

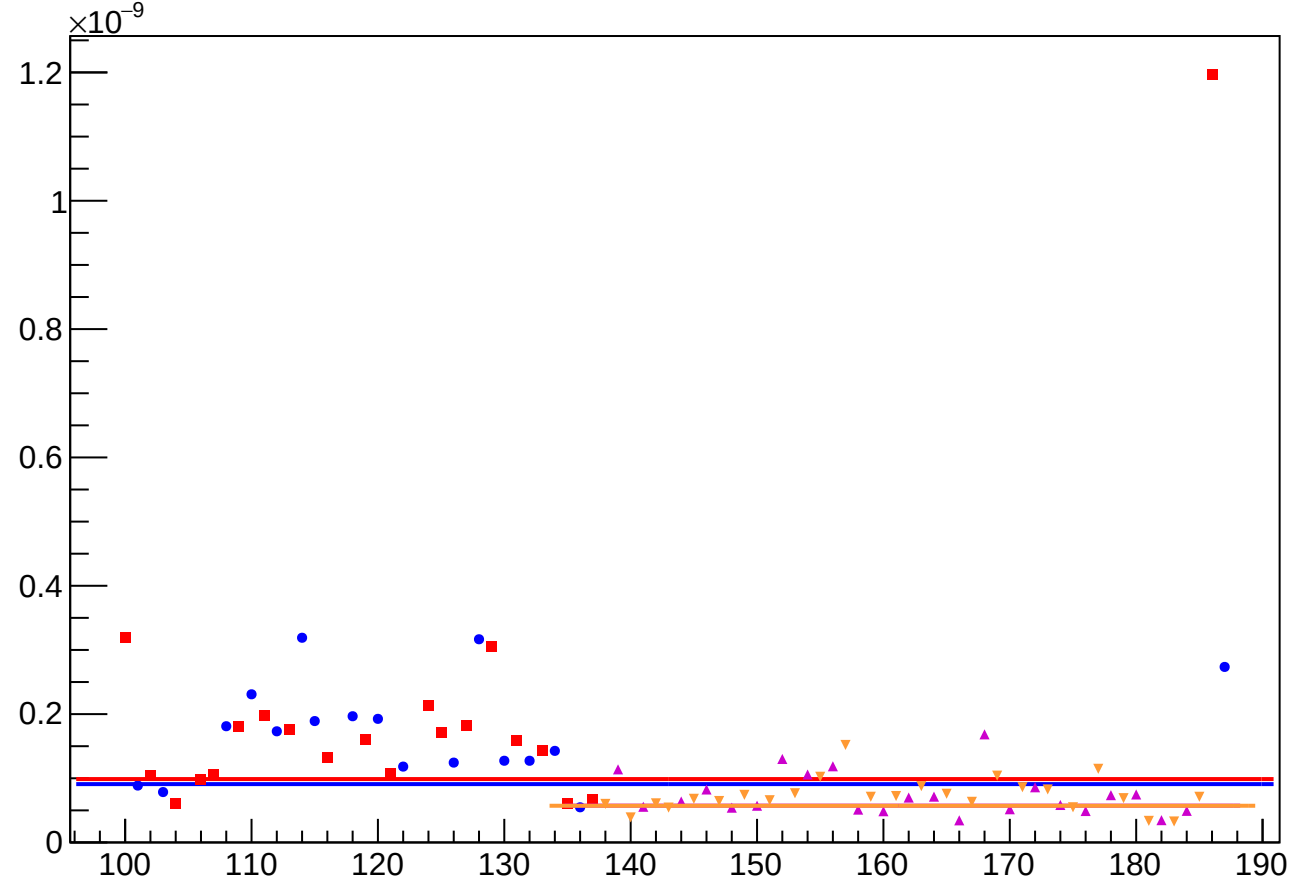
Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 268.761+/-0.040 χ^2/NDF: 4925216.1/41

All: 261.436+/-0.028 χ^2/NDF: 10826618.5/84

- sign 254.465+/-0.039 χ^2/NDF: 5834404.3/42


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.5/16
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8.5/19
Left In: 0.000+/-0.000 χ²/NDF:16.7/22
+ sign -0.000+/-0.000 χ²/NDF: 37.8/41
All: 0.000+/-0.000 χ²/NDF: 67.3/84
- sign 0.000+/-0.000 χ²/NDF: 25.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 1928373.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2179575.0/19

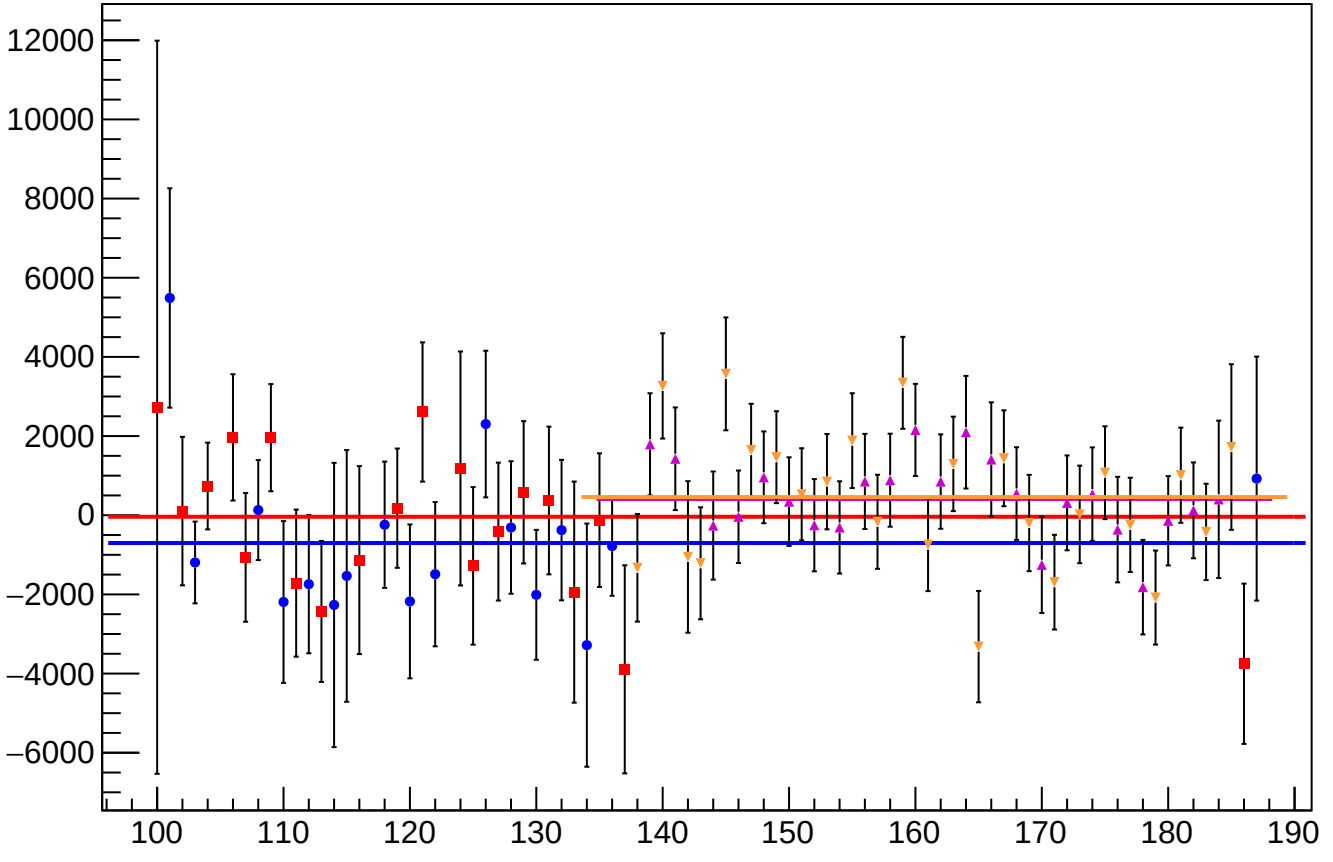
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6085232.3/41

All: 0.000+/-0.000 χ^2/NDF: 12704987.6/84

- sign 0.000+/-0.000 χ^2/NDF: 6617222.8/42

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -701.472+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -38.381+/-403.194 χ^2/NDF: 16.6/19

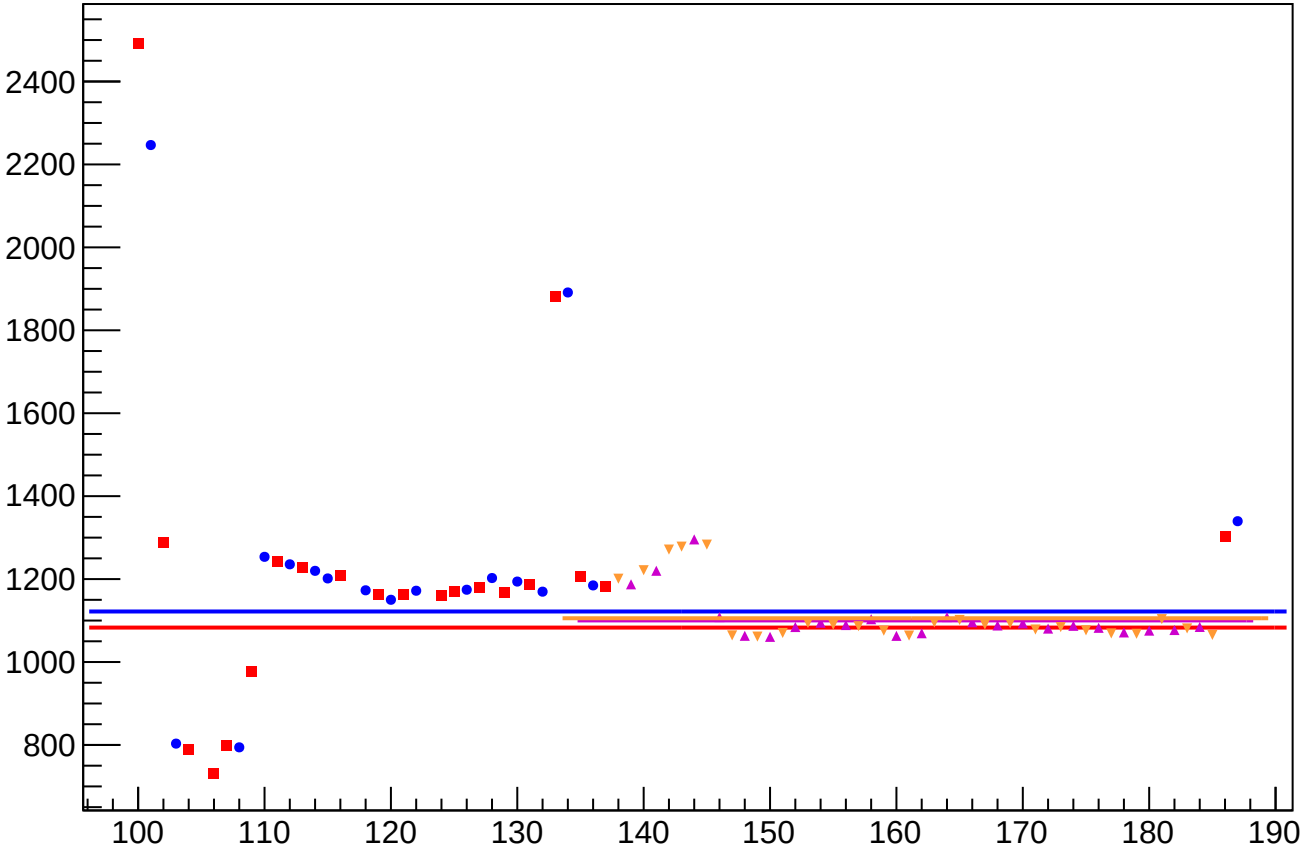
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 156.036+/-216.245 χ^2/NDF: 59.6/41

All: 218.452+/-153.118 χ^2/NDF: 91.0/84

- sign 281.211+/-216.839 χ^2/NDF: 31.2/42

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1121.870+/-0.299 χ^2/NDF: 830008.7/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

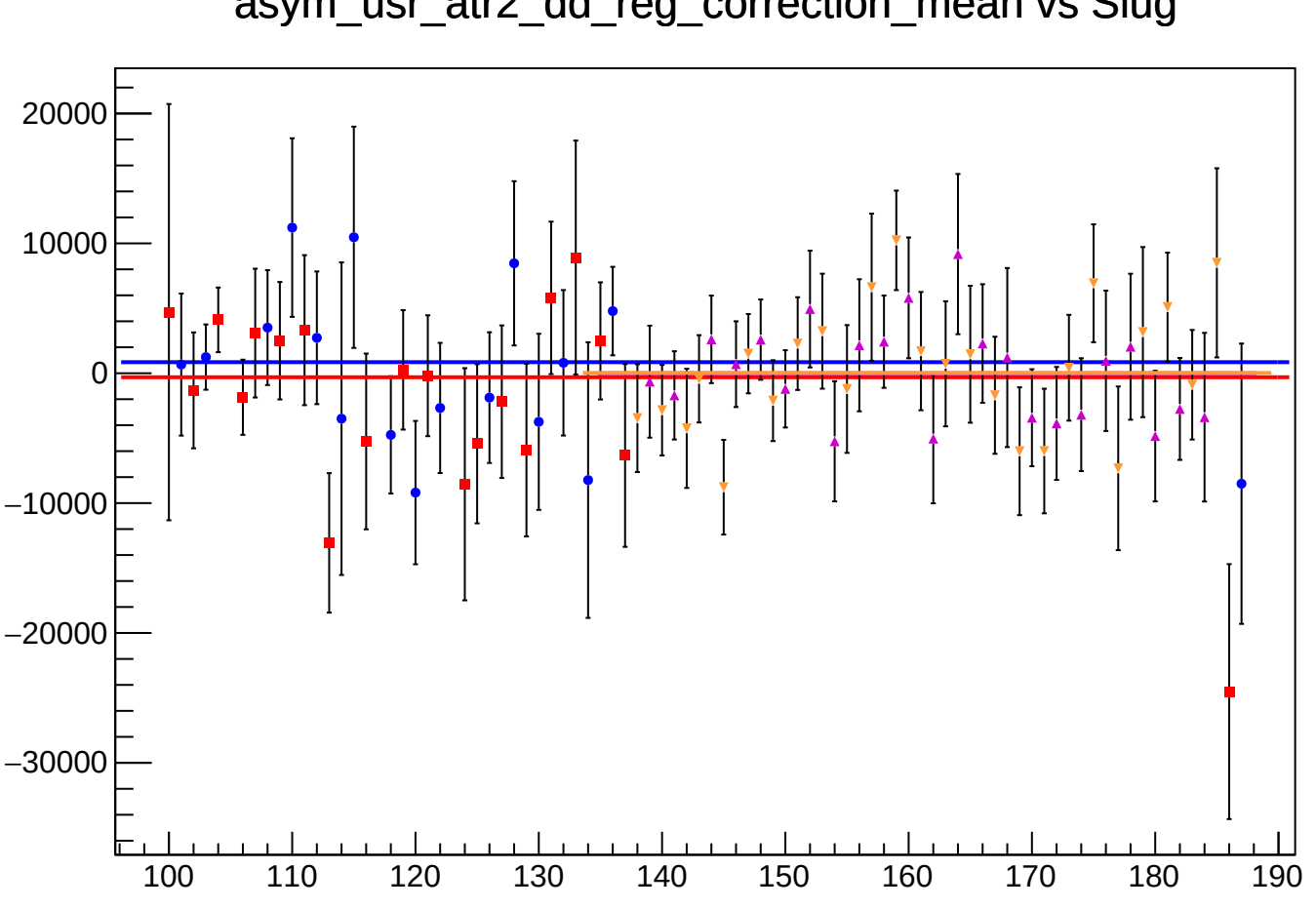
Right Out: 1083.053+/-0.283 χ^2/NDF: 673908.9/19

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1109.808+/-0.153 χ^2/NDF: 954155.8/41

All: 1102.552+/-0.108 χ^2/NDF: 1715456.3/84

- sign 1095.290+/-0.153 χ^2/NDF: 756795.4/42



Right In: 851.660+/-1224.790 χ^2/NDF: 14.6/16

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -308.777+/-1106.795 χ^2/NDF: 22.7/19

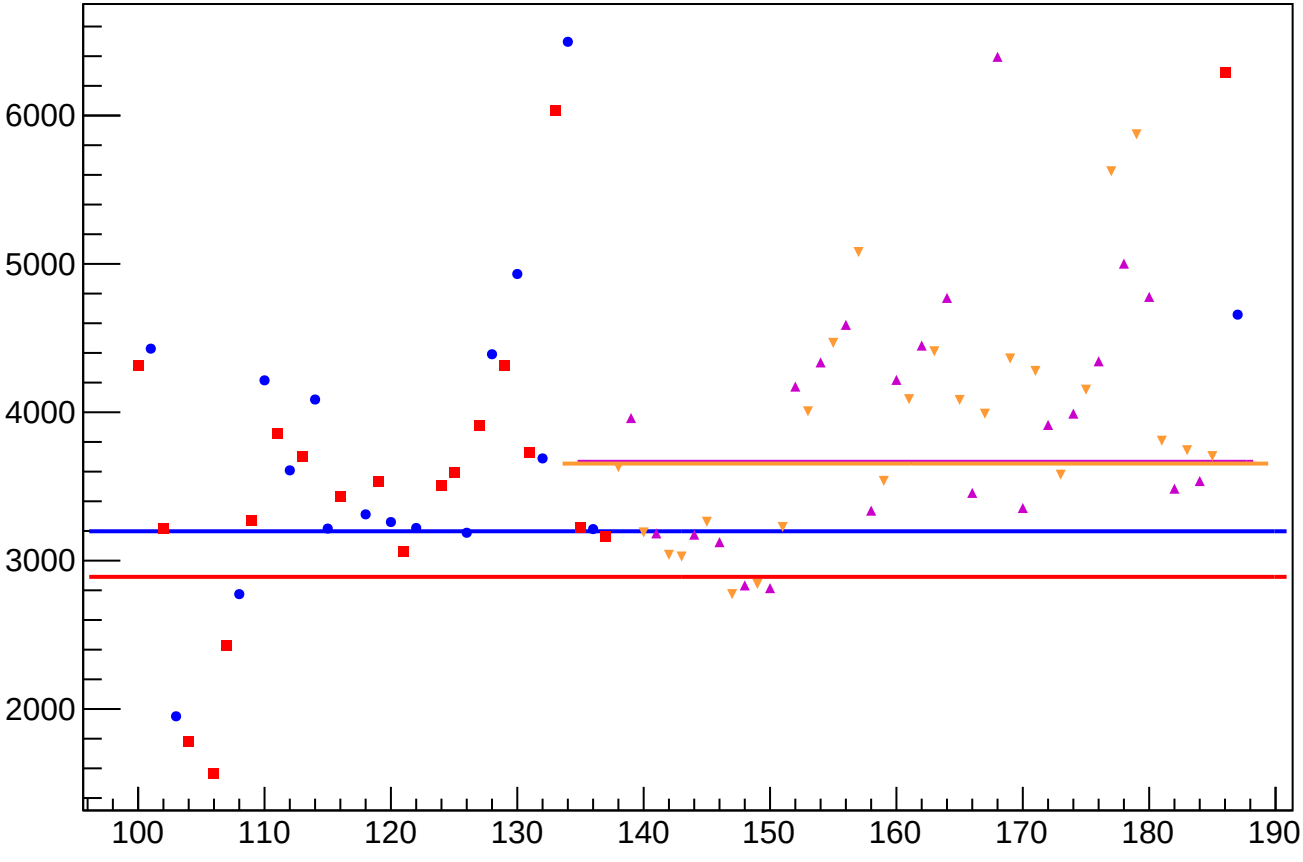
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 292.793+/-698.535 χ^2/NDF: 43.4/41

All: 81.450+/-489.639 χ^2/NDF: 80.3/84

- sign -122.690+/-686.529 χ^2/NDF: 36.8/42

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3197.919+/-0.866 χ^2/NDF: 1128756.7/16

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 2890.744+/-0.783 χ^2/NDF: 1753630.0/19

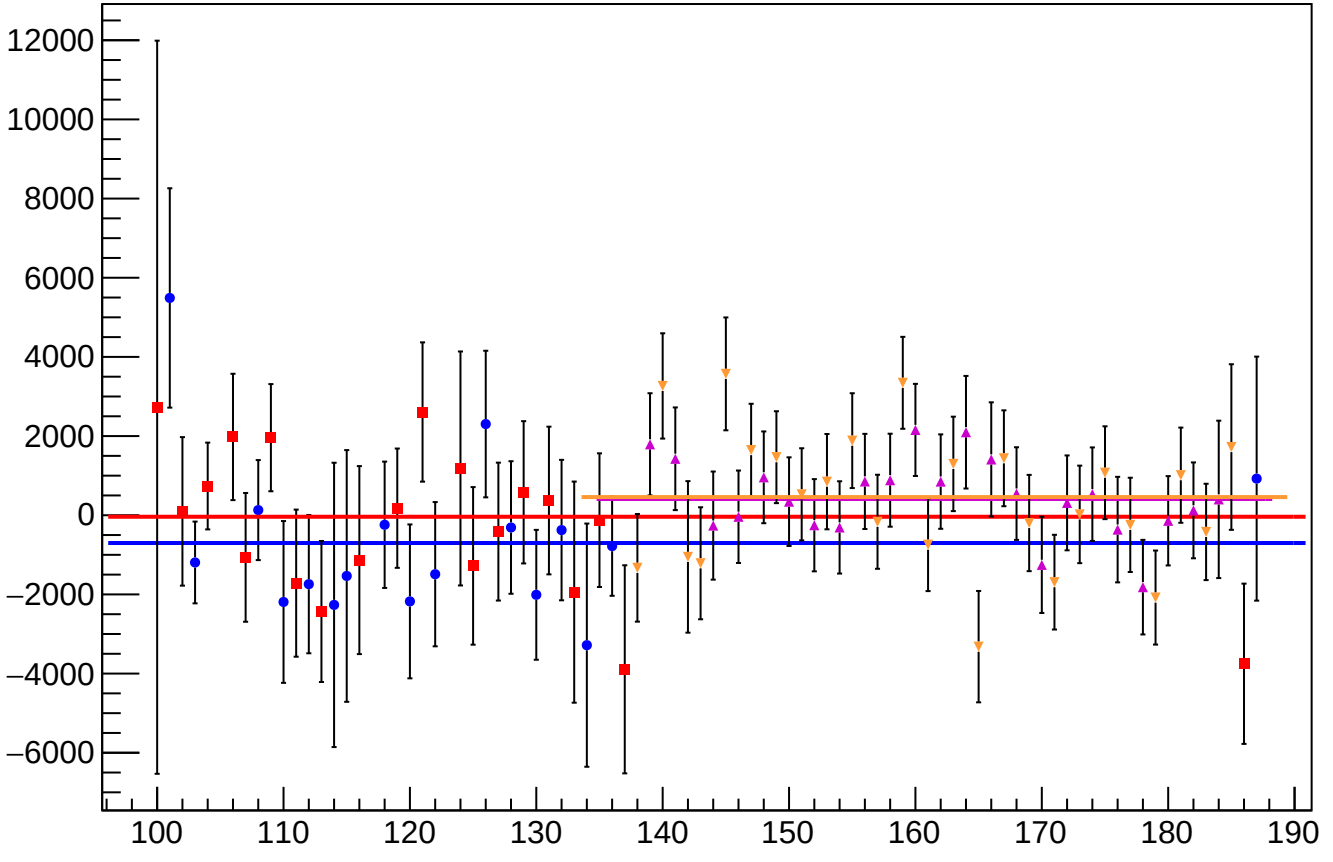
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3505.781+/-0.494 χ^2/NDF: 2627799.2/41

All: 3435.589+/-0.346 χ^2/NDF: 6368740.7/84

- sign 3367.789+/-0.485 χ^2/NDF: 3701241.2/42

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -701.415+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -38.119+/-403.198 χ^2/NDF: 16.6/19

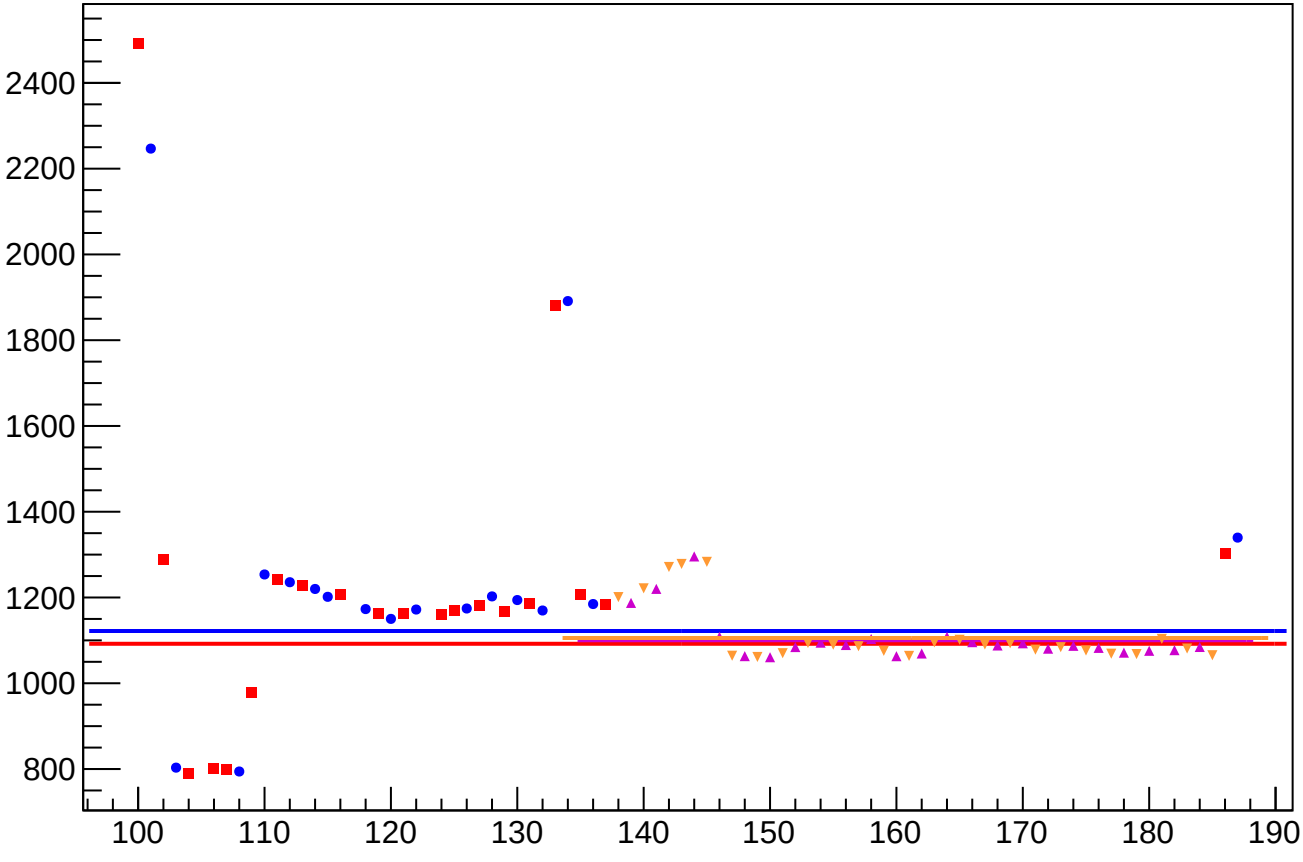
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 156.097+/-216.245 χ^2/NDF: 59.6/41

All: 218.487+/-153.118 χ^2/NDF: 91.0/84

- sign 281.219+/-216.839 χ^2/NDF: 31.2/42

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1121.871+/-0.299 χ^2/NDF: 830005.2/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

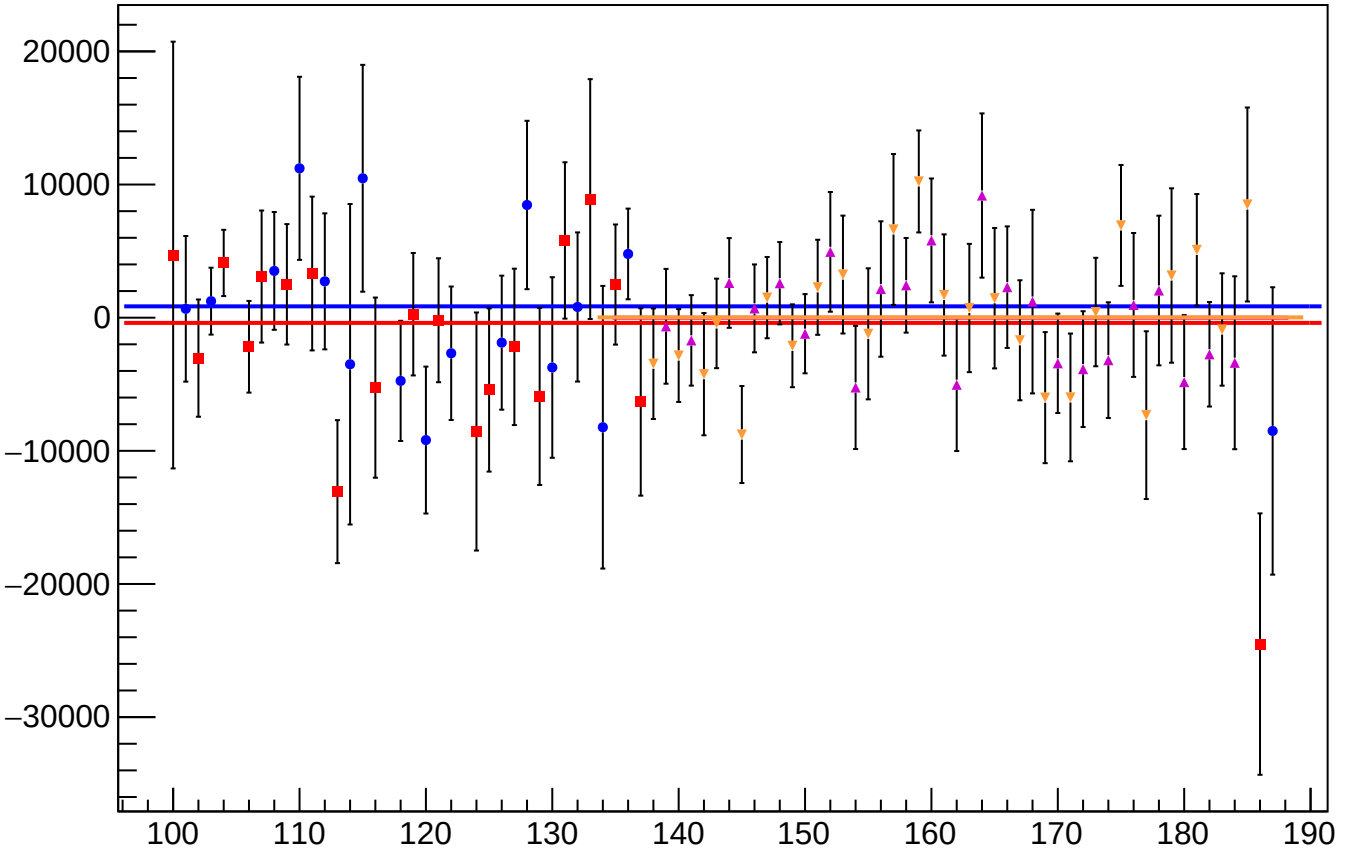
Right Out: 1092.070+/-0.285 χ^2/NDF: 617462.2/19

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1109.808+/-0.153 χ^2/NDF: 954152.4/41

All: 1103.891+/-0.108 χ^2/NDF: 1655457.0/84

- sign 1097.949+/-0.153 χ^2/NDF: 698303.8/42



Right In: 851.159+/-1224.838 χ^2/NDF: 14.6/16

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -391.237+/-1130.324 χ^2/NDF: 23.1/19

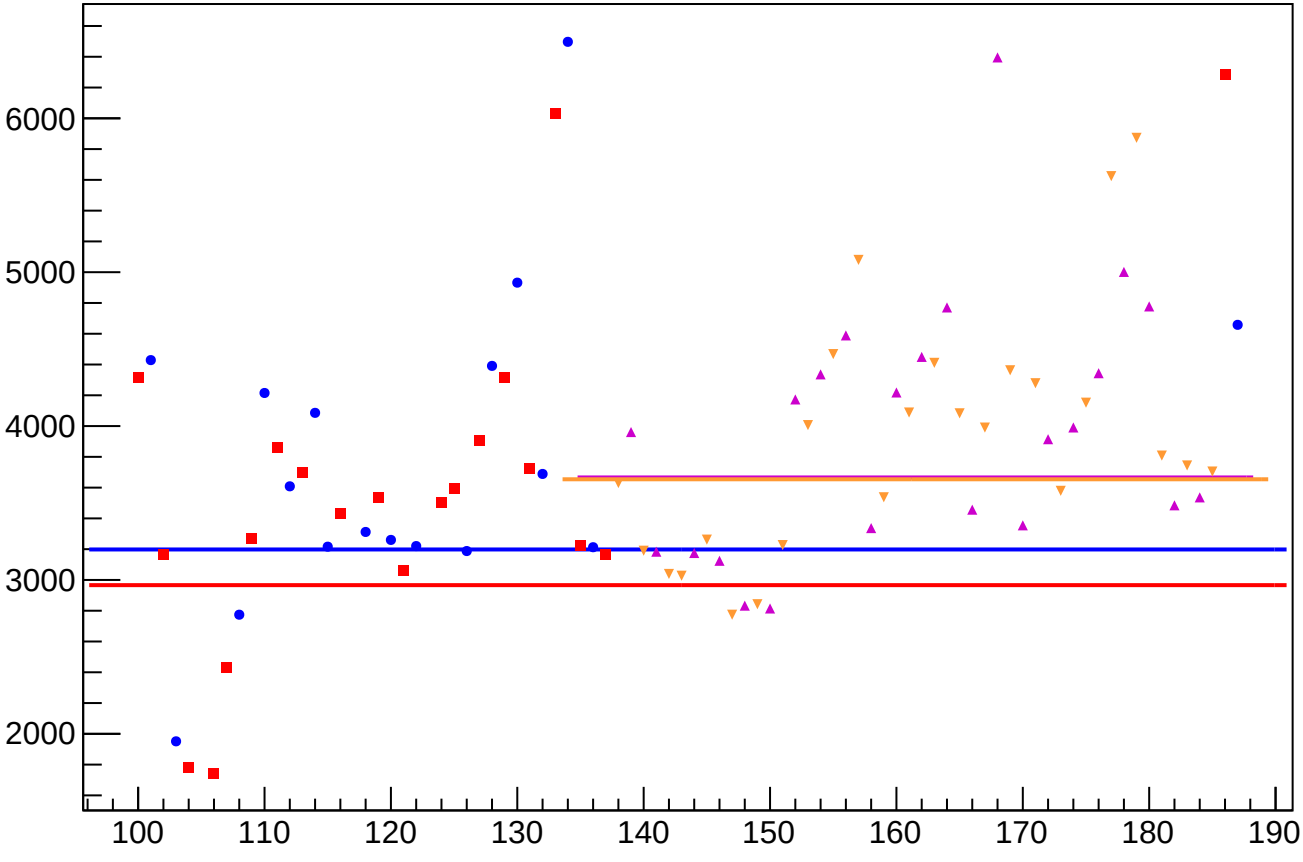
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 292.612+/-698.543 χ^2/NDF: 43.4/41

All: 68.915+/-491.628 χ^2/NDF: 80.7/84

- sign -150.634+/-692.036 χ^2/NDF: 37.2/42

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3198.102+/-0.866 χ^2/NDF: 1128307.7/16

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 2966.258+/-0.799 χ^2/NDF: 1544824.8/19

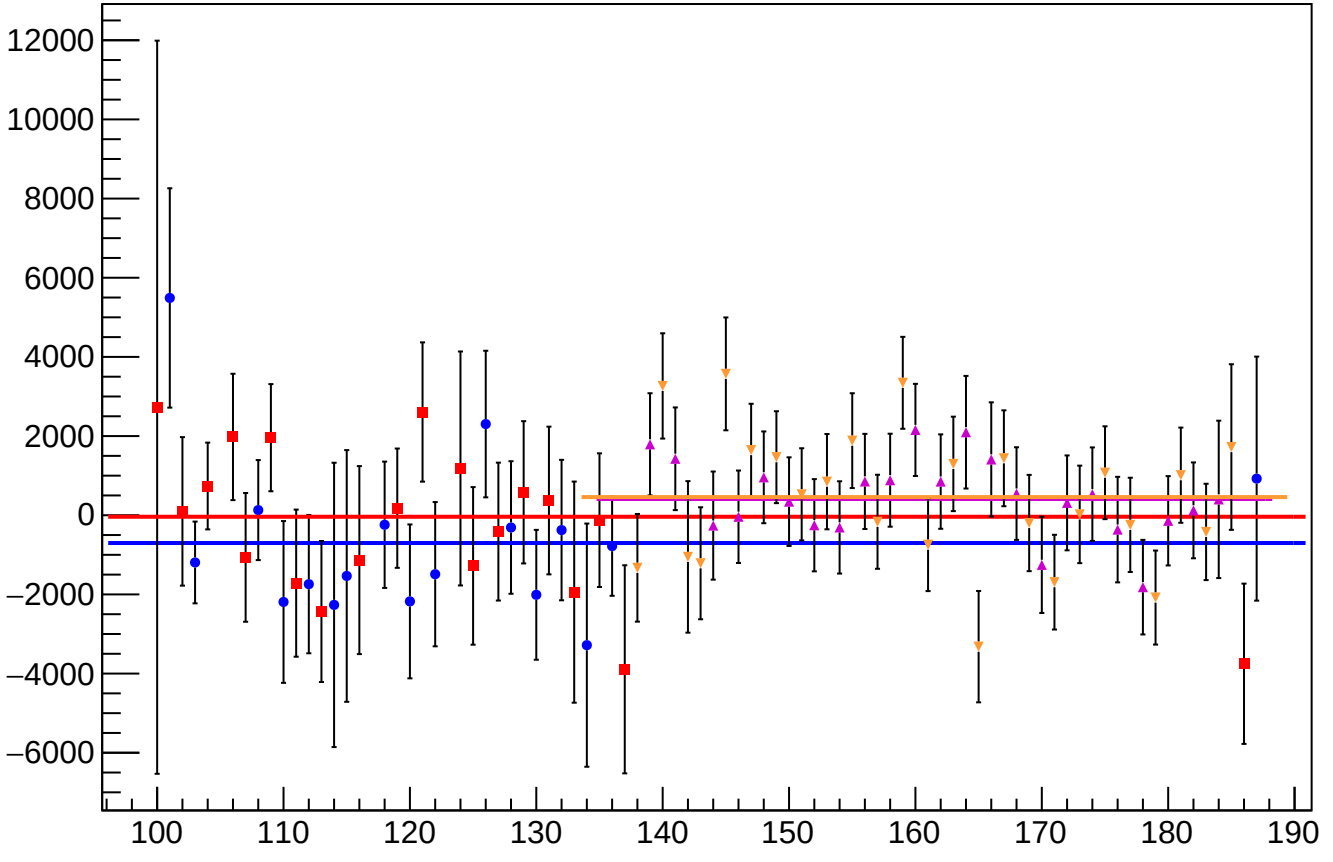
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3505.847+/-0.494 χ^2/NDF: 2627195.3/41

All: 3454.334+/-0.348 χ^2/NDF: 6016606.2/84

- sign 3403.777+/-0.489 χ^2/NDF: 3367860.6/42

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -701.415+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -38.119+/-403.198 χ^2/NDF: 16.6/19

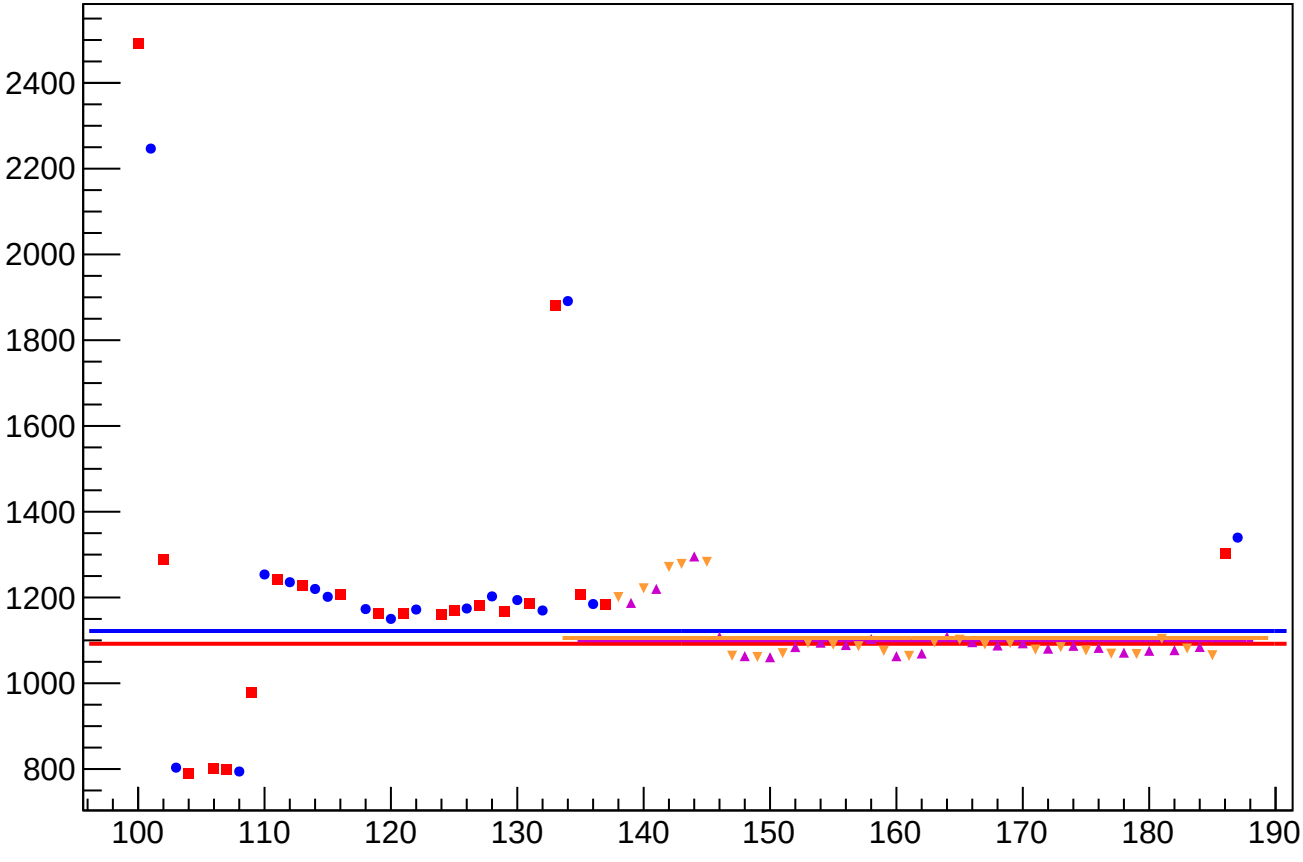
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 156.097+/-216.245 χ^2/NDF: 59.6/41

All: 218.487+/-153.118 χ^2/NDF: 91.0/84

- sign 281.219+/-216.839 χ^2/NDF: 31.2/42

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1121.871+/-0.299 χ^2/NDF: 830005.2/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

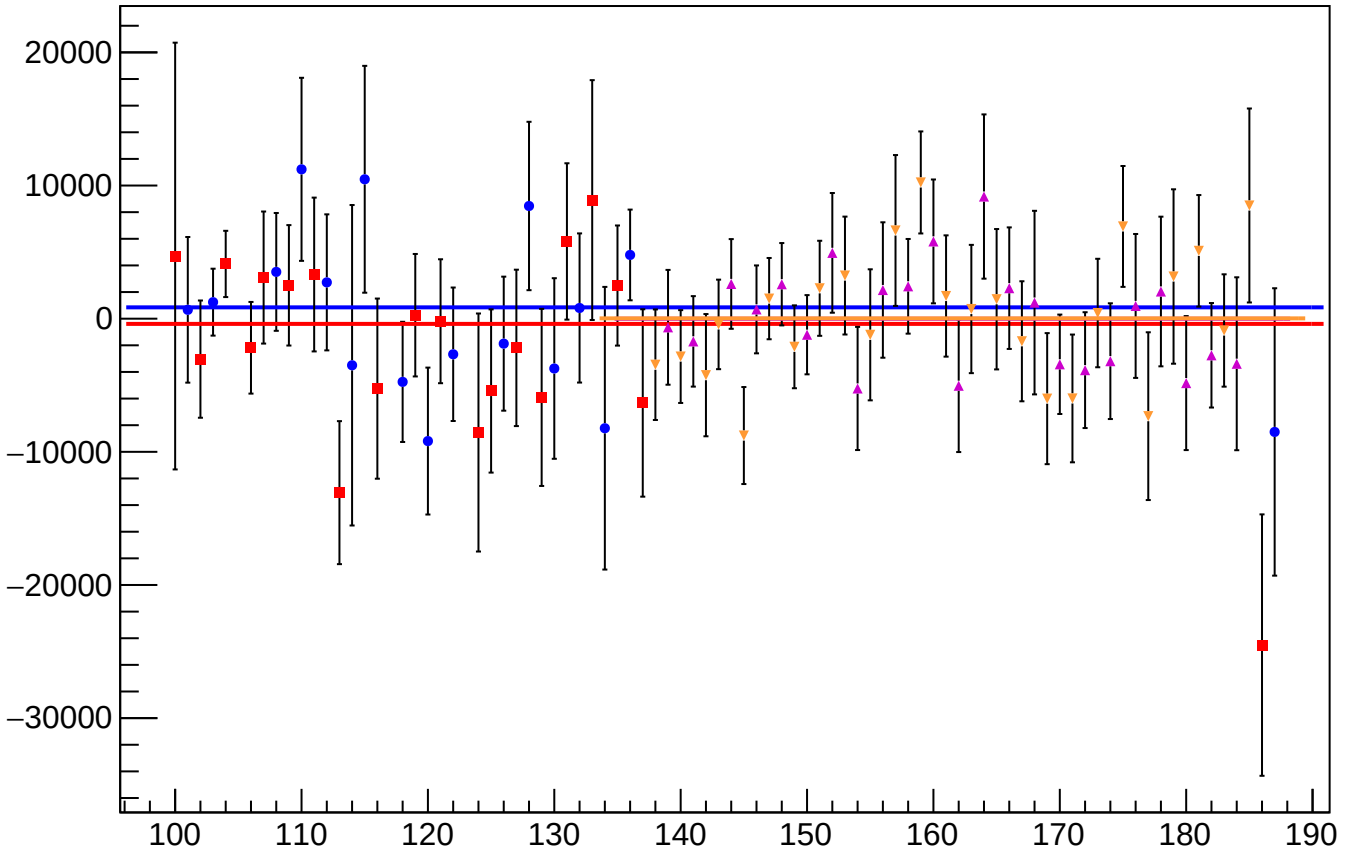
Right Out: 1092.070+/-0.285 χ^2/NDF: 617462.2/19

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1109.808+/-0.153 χ^2/NDF: 954152.4/41

All: 1103.891+/-0.108 χ^2/NDF: 1655457.0/84

- sign 1097.949+/-0.153 χ^2/NDF: 698303.8/42



Right In: 851.159+/-1224.838 χ^2/NDF: 14.6/16

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

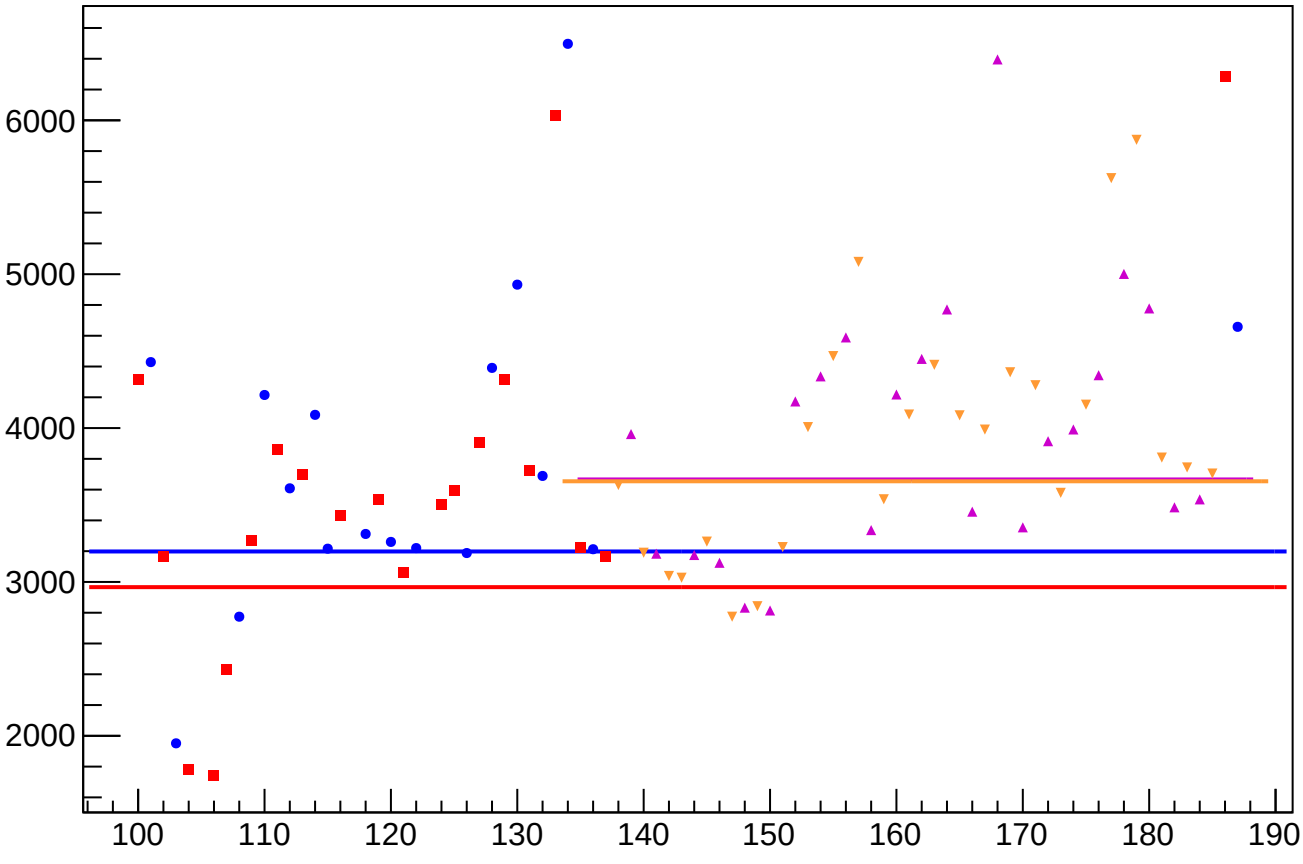
Right Out: -391.237+/-1130.324 χ^2/NDF: 23.1/19

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 292.612+/-698.543 χ^2/NDF: 43.4/41

All: 68.915+/-491.628 χ^2/NDF: 80.7/84

- sign -150.634+/-692.036 χ^2/NDF: 37.2/42



Right In: 3198.102+/-0.866 χ^2/NDF: 1128307.7/16

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 2966.258+/-0.799 χ^2/NDF: 1544824.8/19

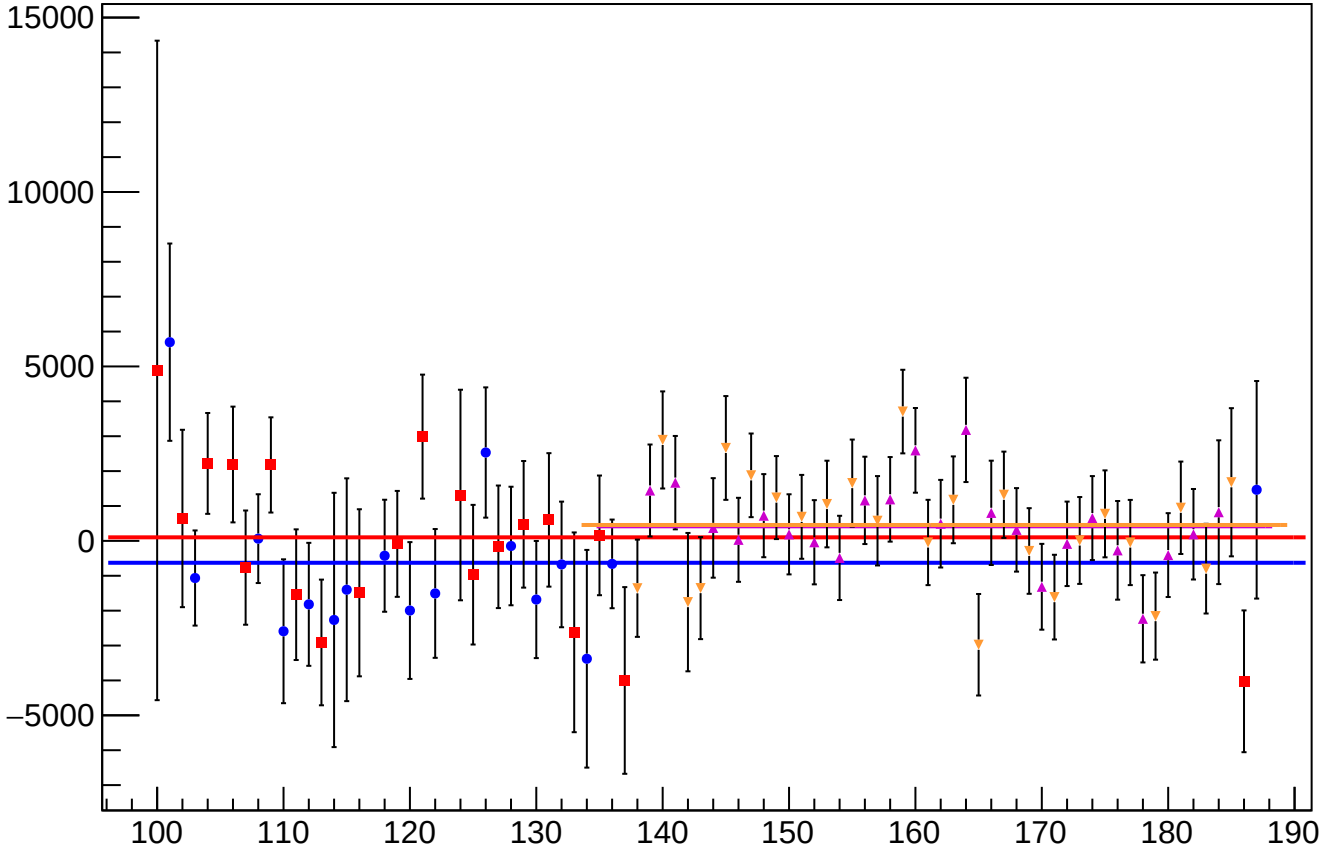
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3505.847+/-0.494 χ^2/NDF: 2627195.3/41

All: 3454.334+/-0.348 χ^2/NDF: 6016606.2/84

- sign 3403.777+/-0.489 χ^2/NDF: 3367860.6/42

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -627.541+/-443.931 χ^2/NDF: 12.3/16

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 101.699+/-424.825 χ^2/NDF: 21.3/19

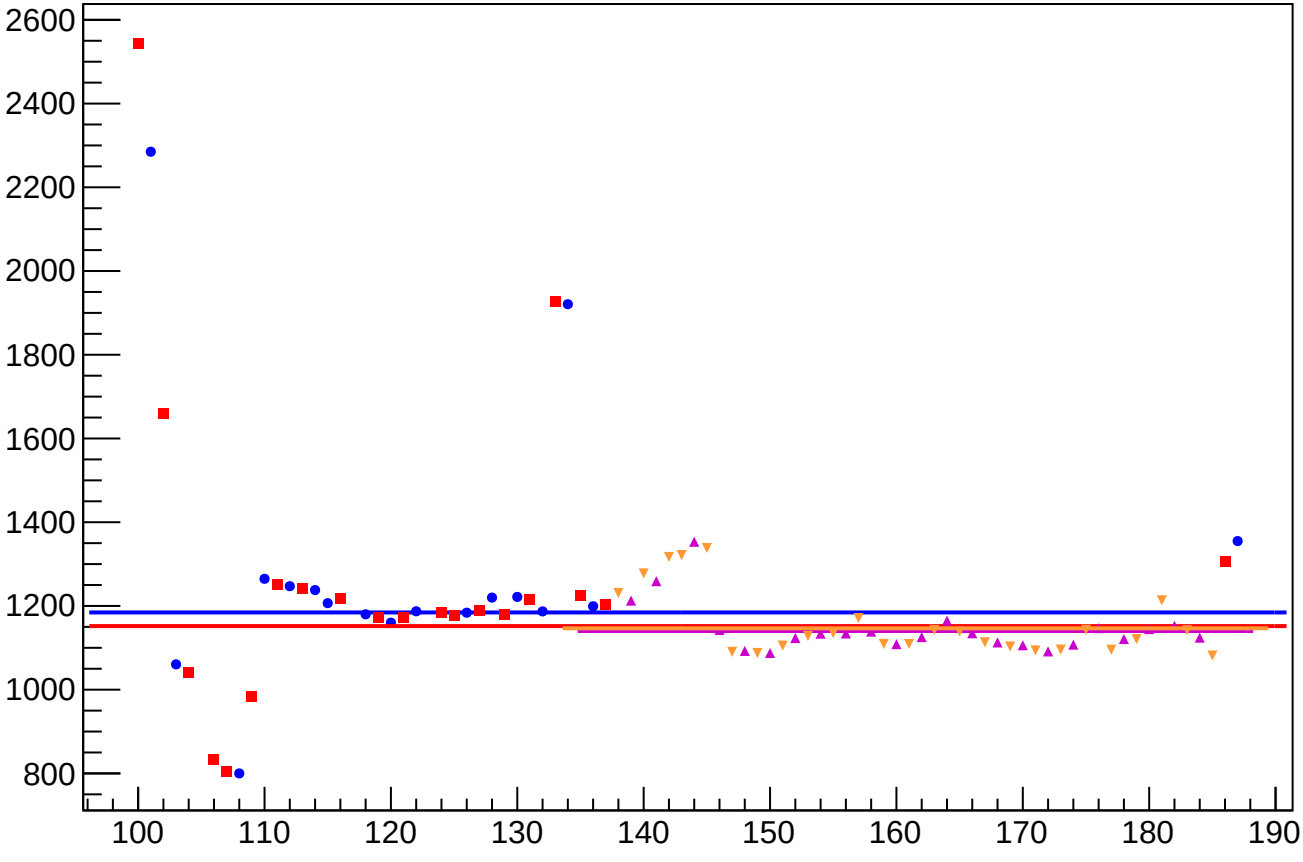
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 177.447+/-224.998 χ^2/NDF: 52.9/41

All: 252.486+/-159.383 χ^2/NDF: 92.1/84

- sign 328.066+/-225.806 χ^2/NDF: 39.0/42

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1184.483+/-0.314 χ^2/NDF: 627982.6/16

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1151.868+/-0.300 χ^2/NDF: 509946.7/19

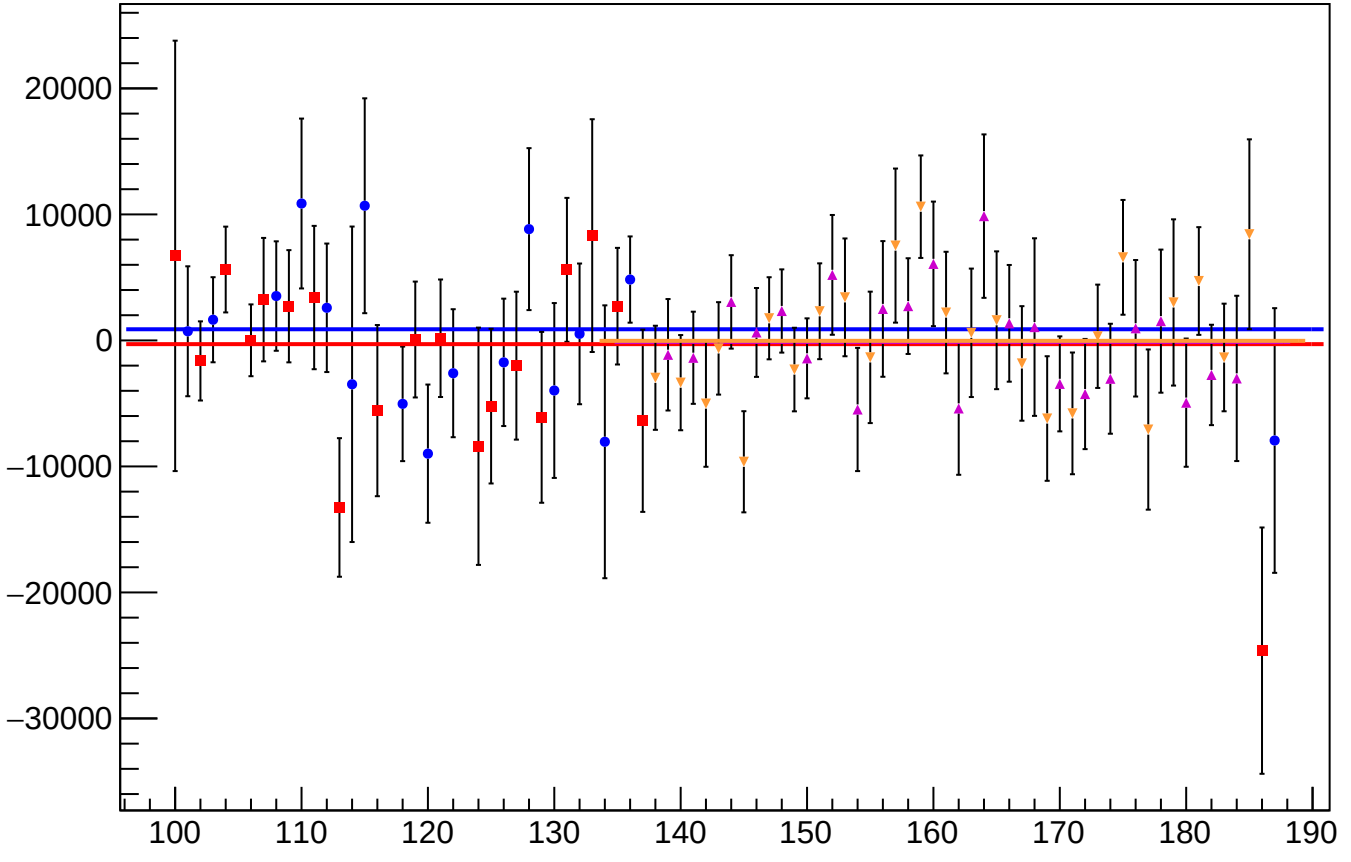
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1156.341+/-0.159 χ^2/NDF: 779813.7/41

All: 1149.931+/-0.113 χ^2/NDF: 1378845.4/84

- sign 1143.476+/-0.160 χ^2/NDF: 595773.3/42

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: 885.281+/-1292.530 χ^2/NDF: 14.6/16

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -295.438+/-1123.250 χ^2/NDF: 22.4/19

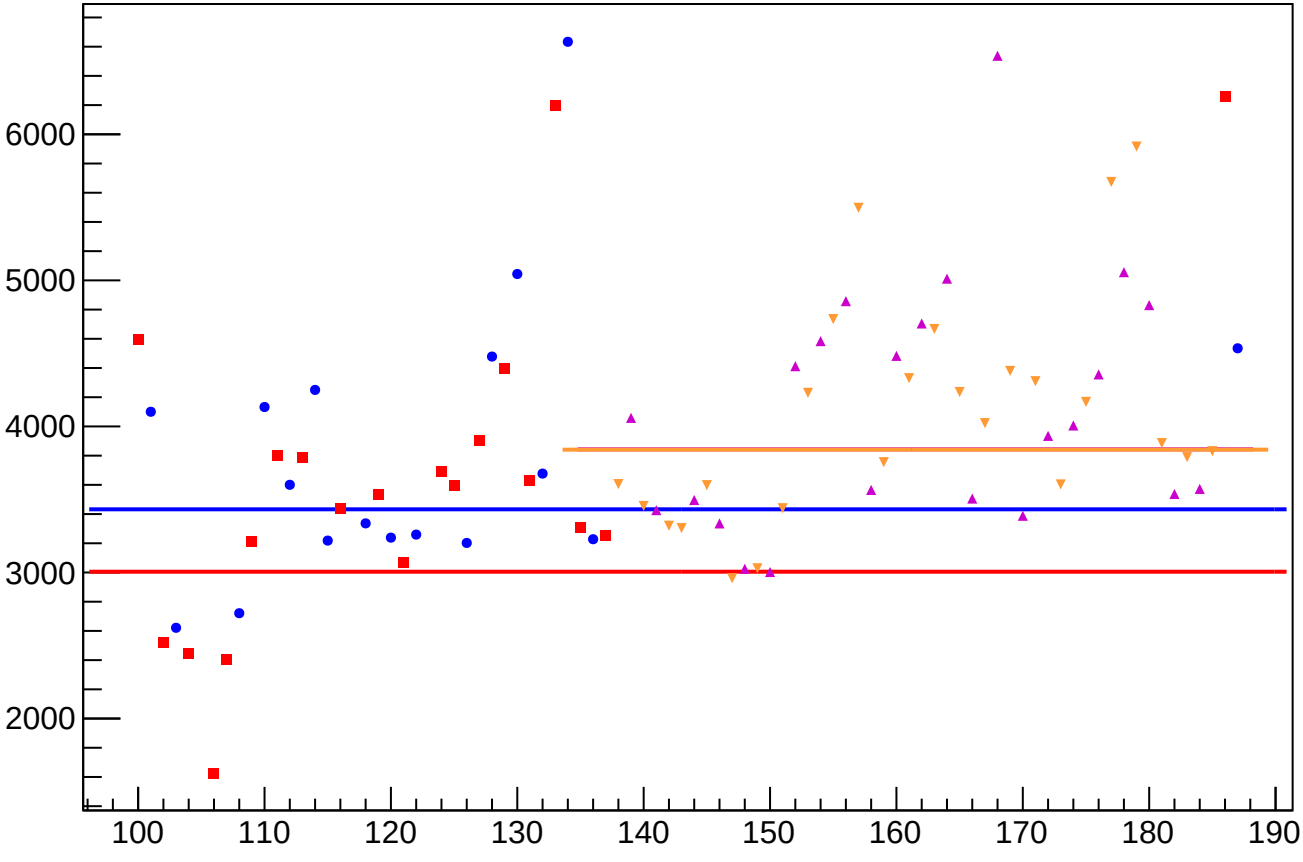
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 262.596+/-733.795 χ^2/NDF: 42.7/41

All: 28.410+/-510.157 χ^2/NDF: 79.1/84

- sign -190.677+/-709.747 χ^2/NDF: 36.2/42

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3432.549+/-0.914 χ^2/NDF: 614720.4/16

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3005.310+/-0.794 χ^2/NDF: 1393478.2/19

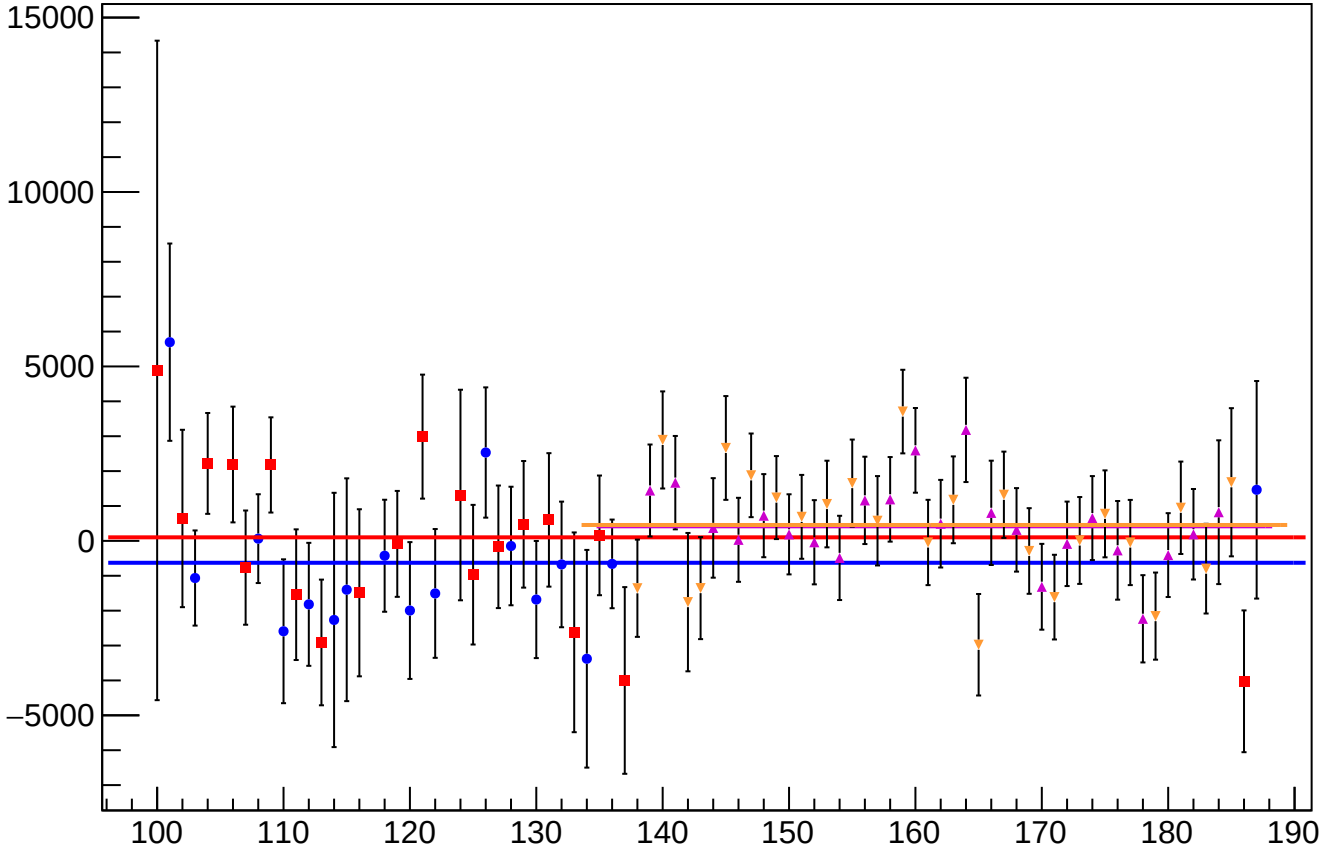
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

\+ sign 3709.239+/-0.519 χ^2/NDF: 1868625.6/41

All: 3605.651+/-0.361 χ^2/NDF: 5204065.7/84

\- sign 3508.742+/-0.502 χ^2/NDF: 3258297.5/42

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -627.546+/-443.931 χ^2/NDF: 12.3/16

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 101.708+/-424.825 χ^2/NDF: 21.3/19

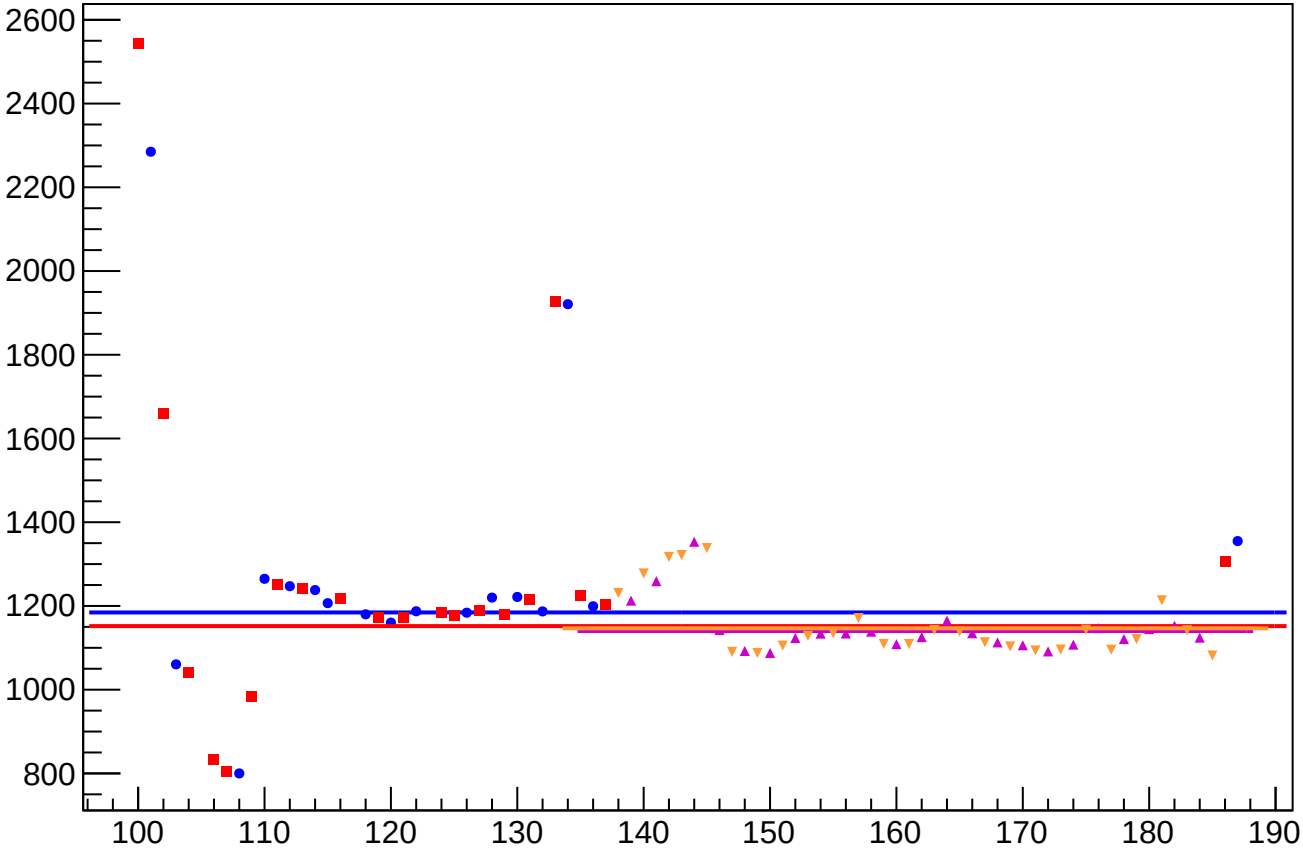
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 177.448+/-224.998 χ^2/NDF: 52.9/41

All: 252.488+/-159.383 χ^2/NDF: 92.1/84

- sign 328.067+/-225.806 χ^2/NDF: 39.0/42

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1184.483+/-0.314 χ^2/NDF: 627982.8/16

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

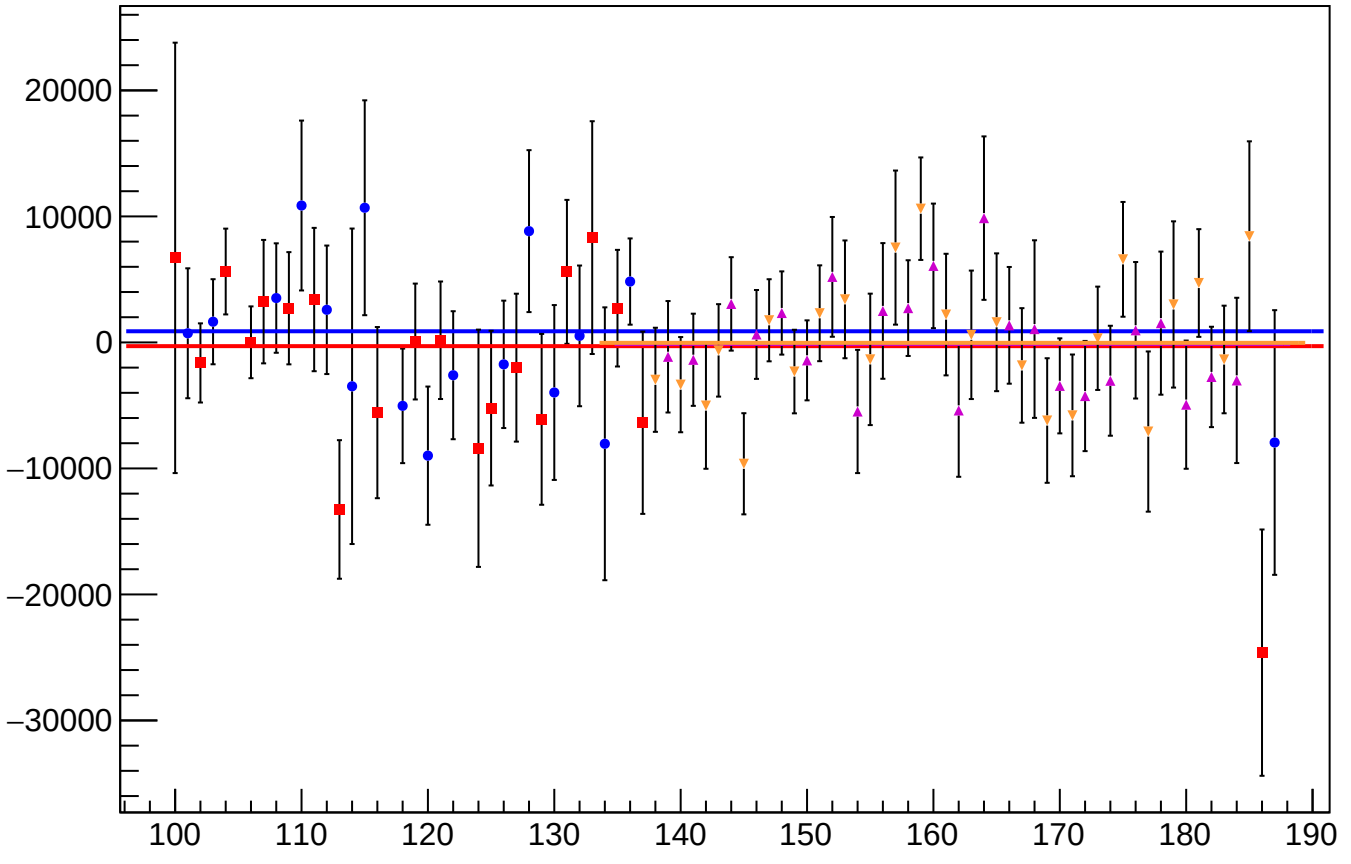
Right Out: 1151.869+/-0.300 χ^2/NDF: 509946.3/19

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1156.342+/-0.159 χ^2/NDF: 779813.5/41

All: 1149.931+/-0.113 χ^2/NDF: 1378844.4/84

- sign 1143.476+/-0.160 χ^2/NDF: 595772.6/42



Right In: 885.264+/-1292.529 χ^2/NDF: 14.6/16

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

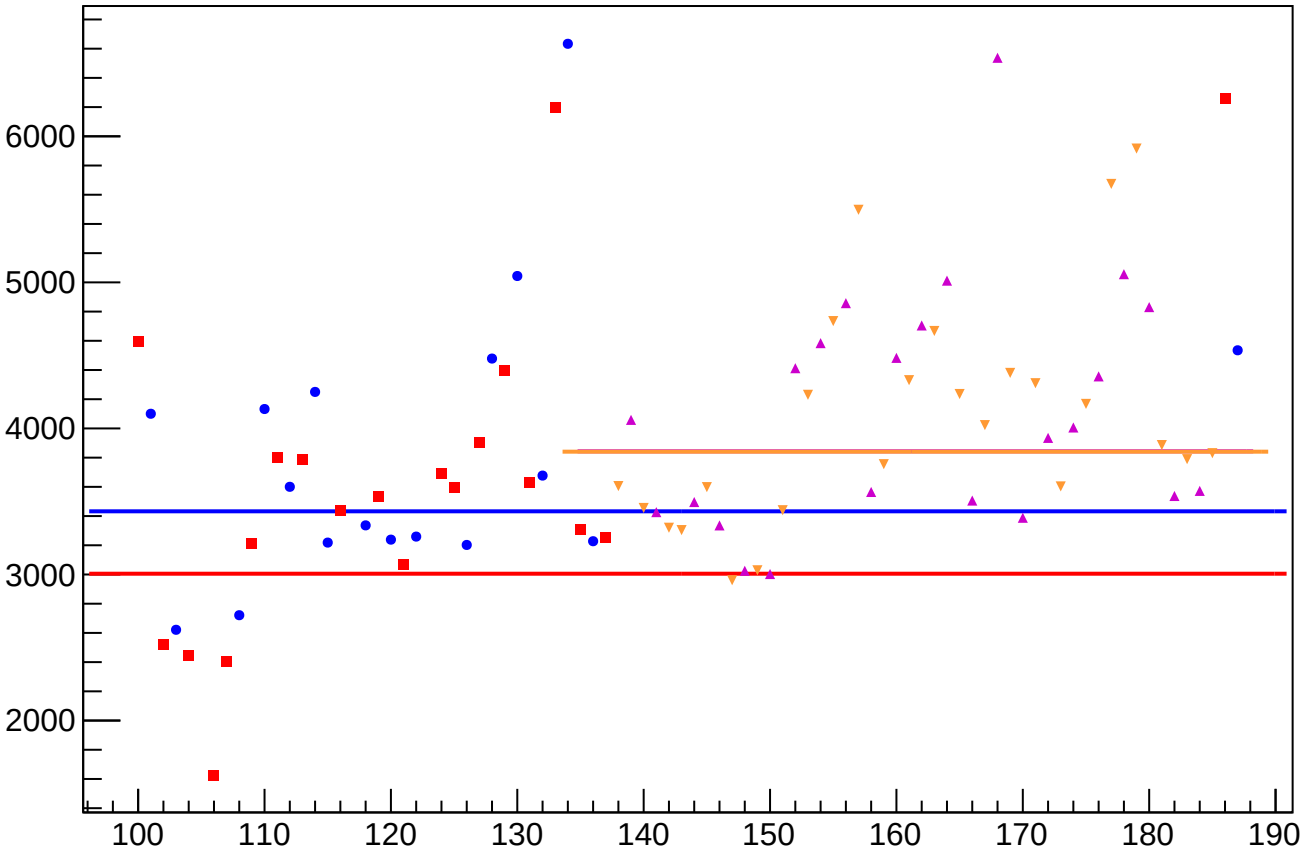
Right Out: -295.432+/-1123.248 χ^2/NDF: 22.4/19

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 262.592+/-733.796 χ^2/NDF: 42.7/41

All: 28.409+/-510.157 χ^2/NDF: 79.1/84

- sign -190.676+/-709.747 χ^2/NDF: 36.2/42



Right In: 3432.546+/-0.914 χ^2/NDF: 614715.9/16

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3005.305+/-0.794 χ^2/NDF: 1393477.1/19

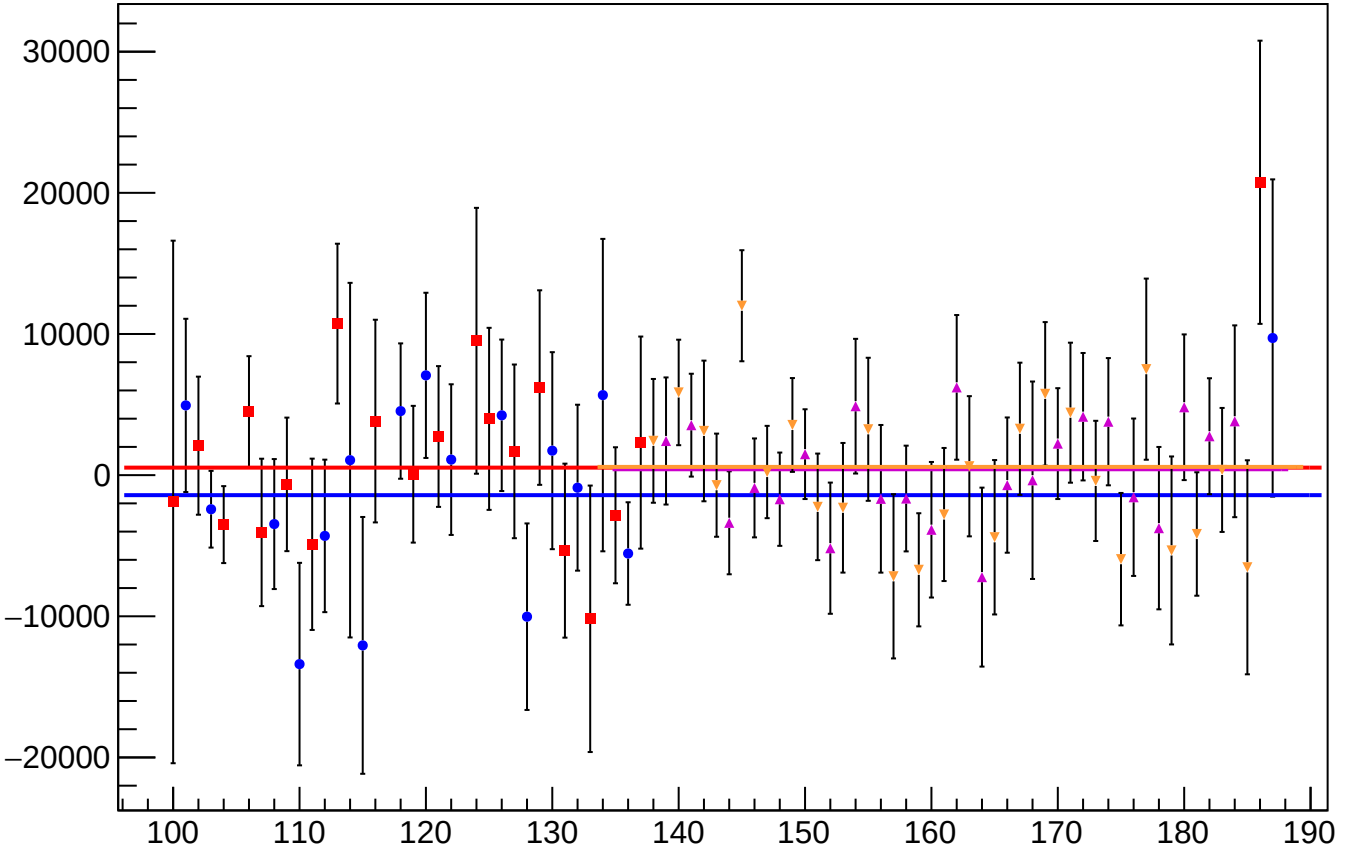
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3709.241+/-0.519 χ^2/NDF: 1868628.6/41

All: 3605.652+/-0.361 χ^2/NDF: 5204089.7/84

- sign 3508.742+/-0.502 χ^2/NDF: 3258316.8/42

asym_usr_atr2_dd_mean vs Slug



Right In: -1417.851+/-1304.068 χ^2/NDF: 15.5/16

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 532.257+/-1215.300 χ^2/NDF: 17.3/19

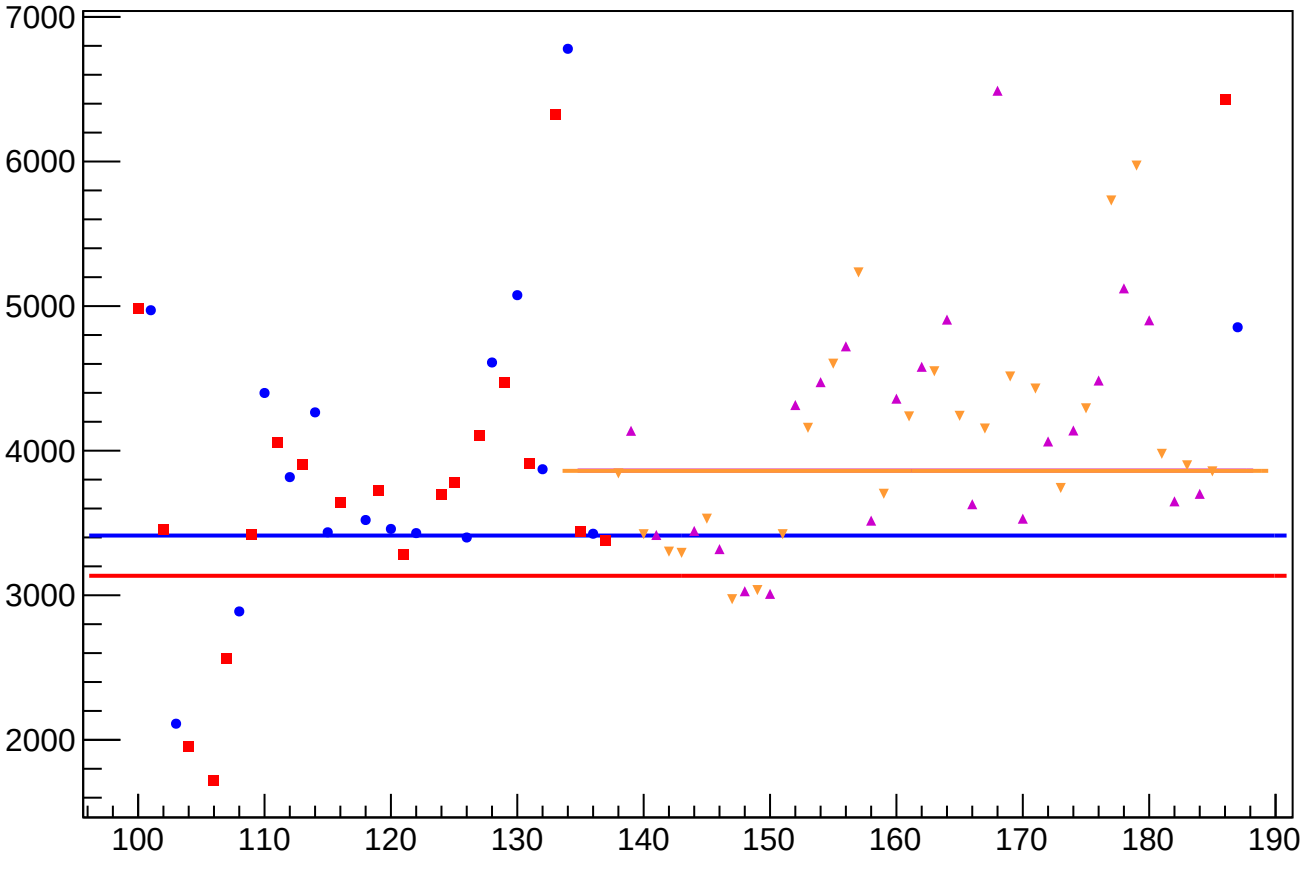
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign -57.392+/-737.870 χ^2/NDF: 44.5/41

All: 202.409+/-520.029 χ^2/NDF: 74.6/84

- sign 458.805+/-733.019 χ^2/NDF: 29.8/42

asym_usr_atr2_dd_rms vs Slug



Right In: 3413.026+/-0.922 χ^2/NDF: 1082017.8/16

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

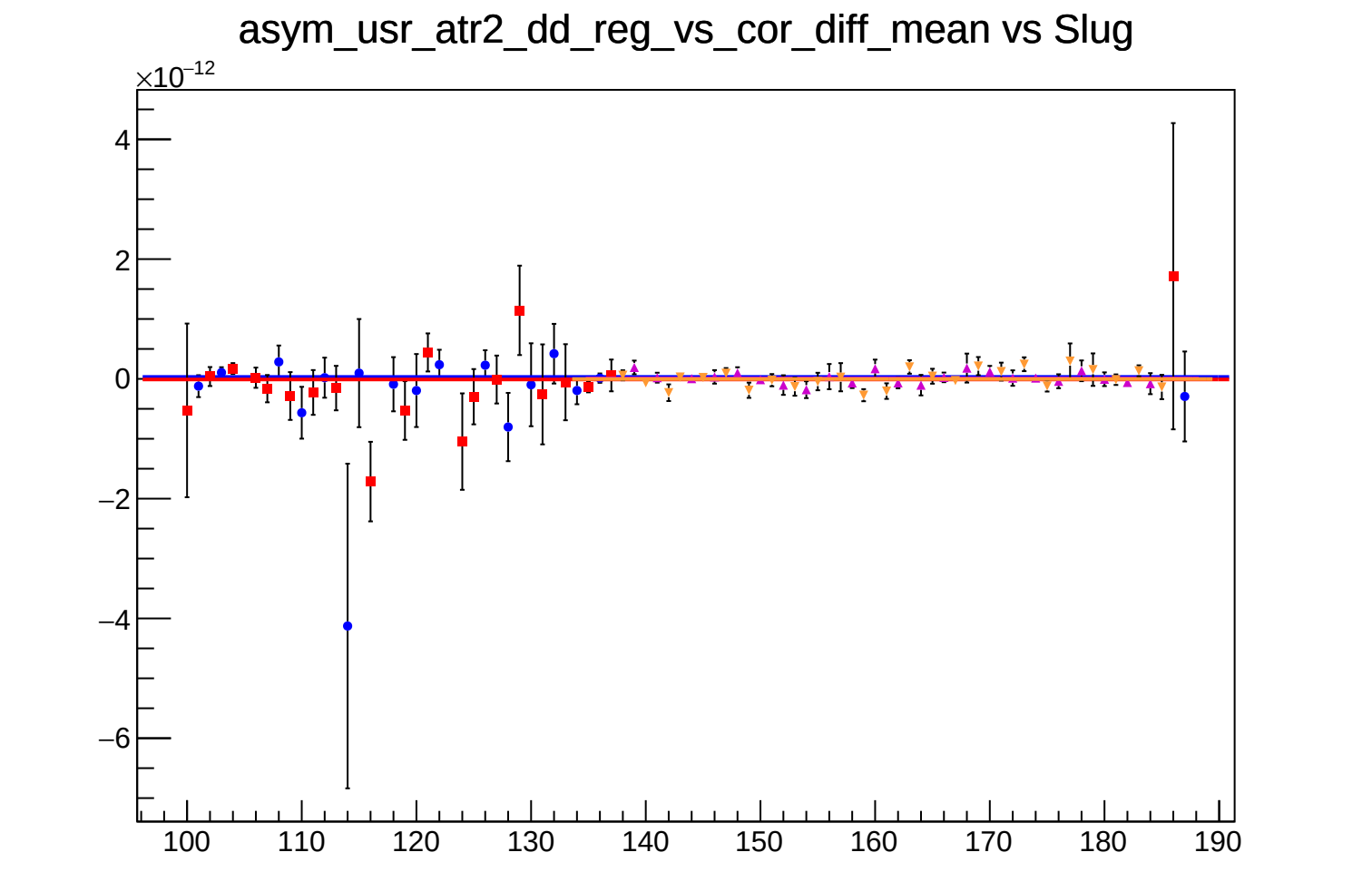
Right Out: 3134.720+/-0.845 χ^2/NDF: 1546900.7/19

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3717.264+/-0.522 χ^2/NDF: 2339430.2/41

All: 3653.835+/-0.367 χ^2/NDF: 5523506.7/84

- sign 3591.999+/-0.515 χ^2/NDF: 3154889.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 12.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

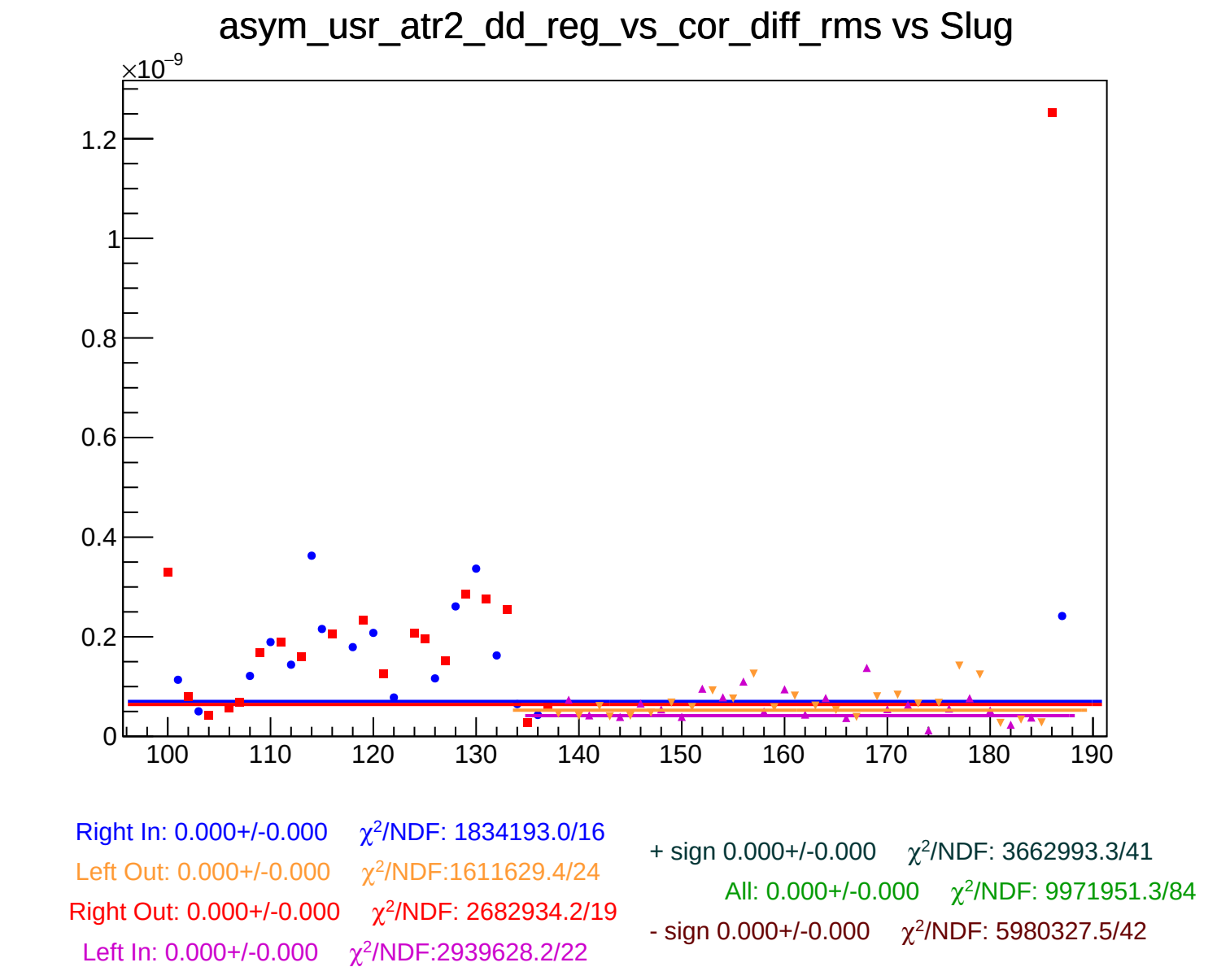
Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/19

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

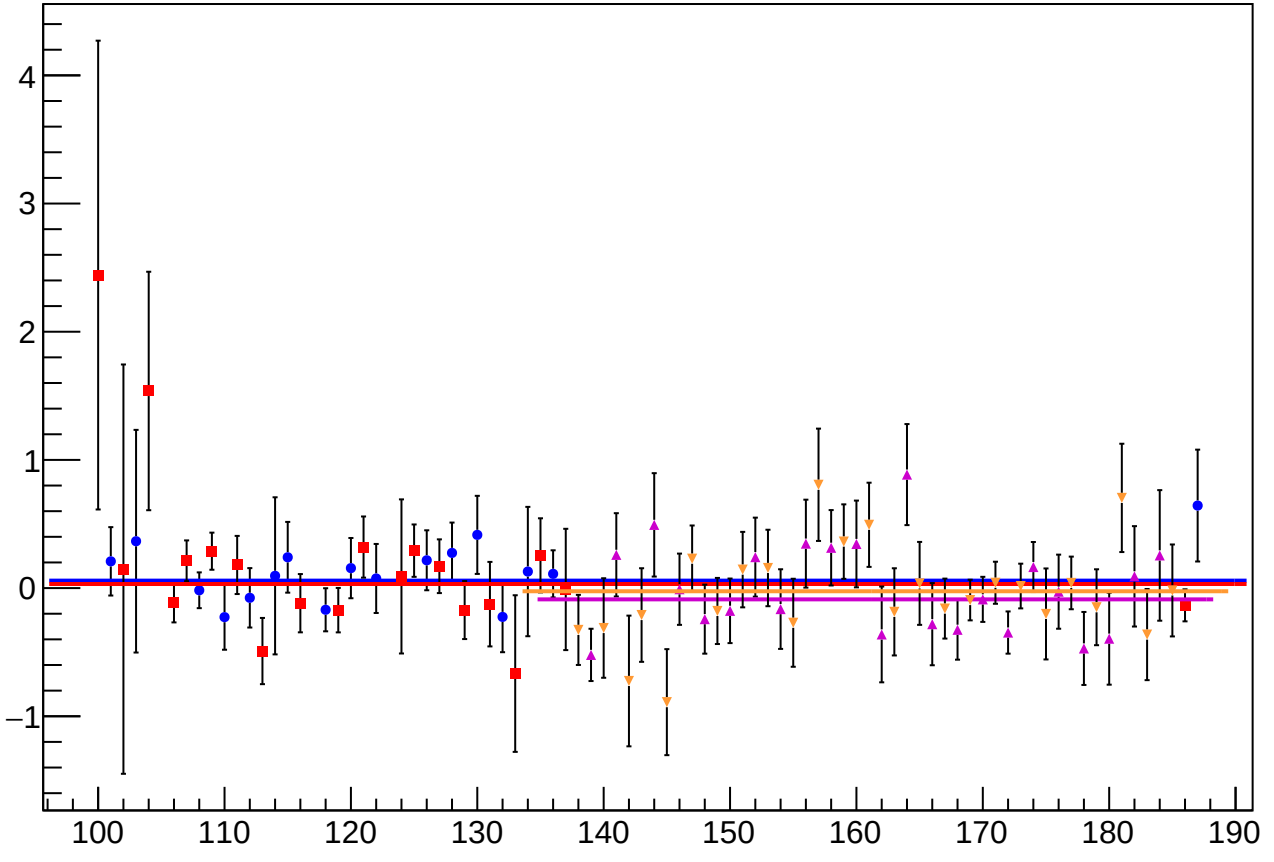
+ sign 0.000+/-0.000 χ^2/NDF: 46.7/41

All: 0.000+/-0.000 χ^2/NDF: 82.0/84

- sign 0.000+/-0.000 χ^2/NDF: 35.3/42


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1834193.0/16
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2682934.2/19
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
+ sign 0.000+/-0.000 χ²/NDF: 3662993.3/41
All: 0.000+/-0.000 χ²/NDF: 9971951.3/84
- sign 0.000+/-0.000 χ²/NDF: 5980327.5/42

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.032+/-0.050 χ^2/NDF: 24.3/19

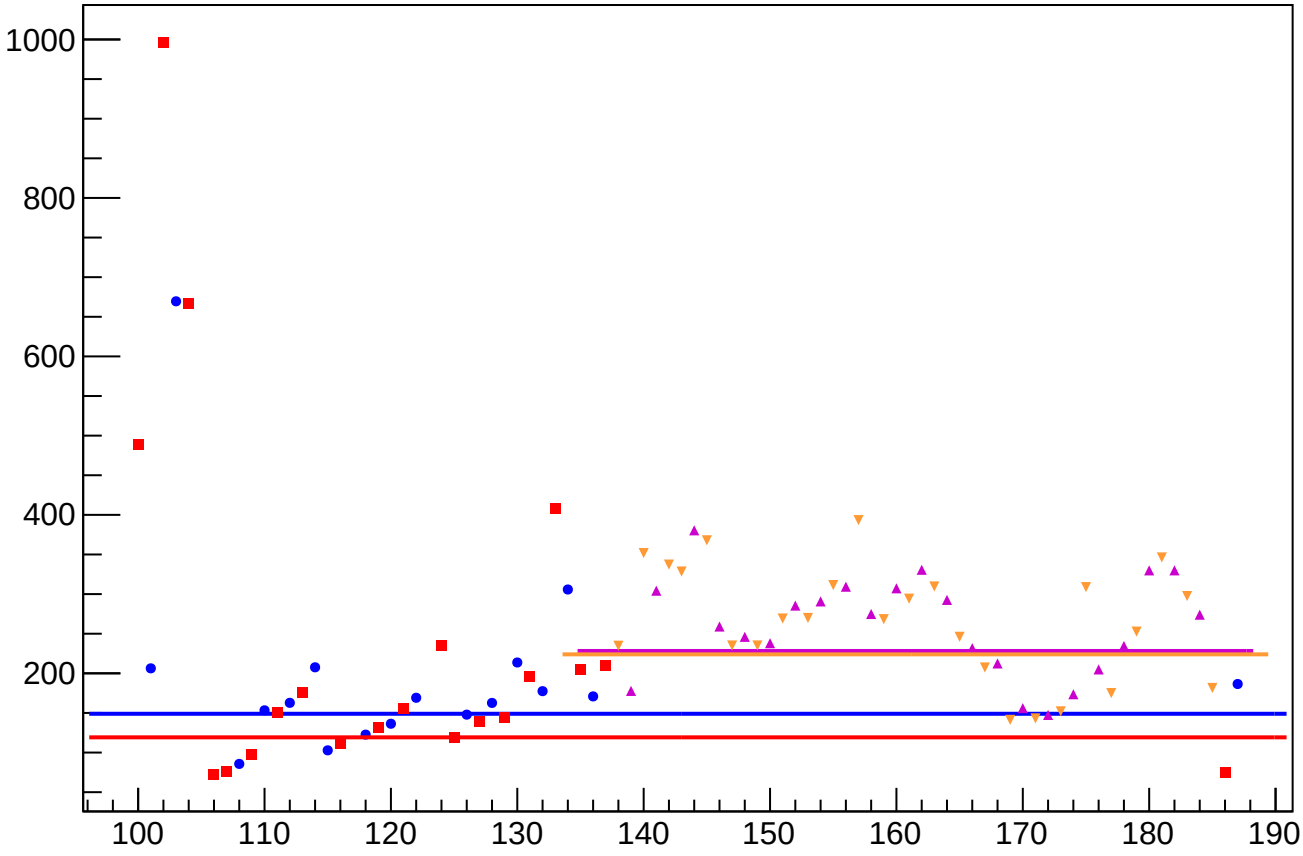
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.013+/-0.040 χ^2/NDF: 35.5/41

All: -0.005+/-0.027 χ^2/NDF: 92.8/84

- sign -0.021+/-0.038 χ^2/NDF: 56.9/42

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 148.952+/-0.042 χ^2/NDF: 1725146.7/16

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 119.200+/-0.035 χ^2/NDF: 3141851.7/19

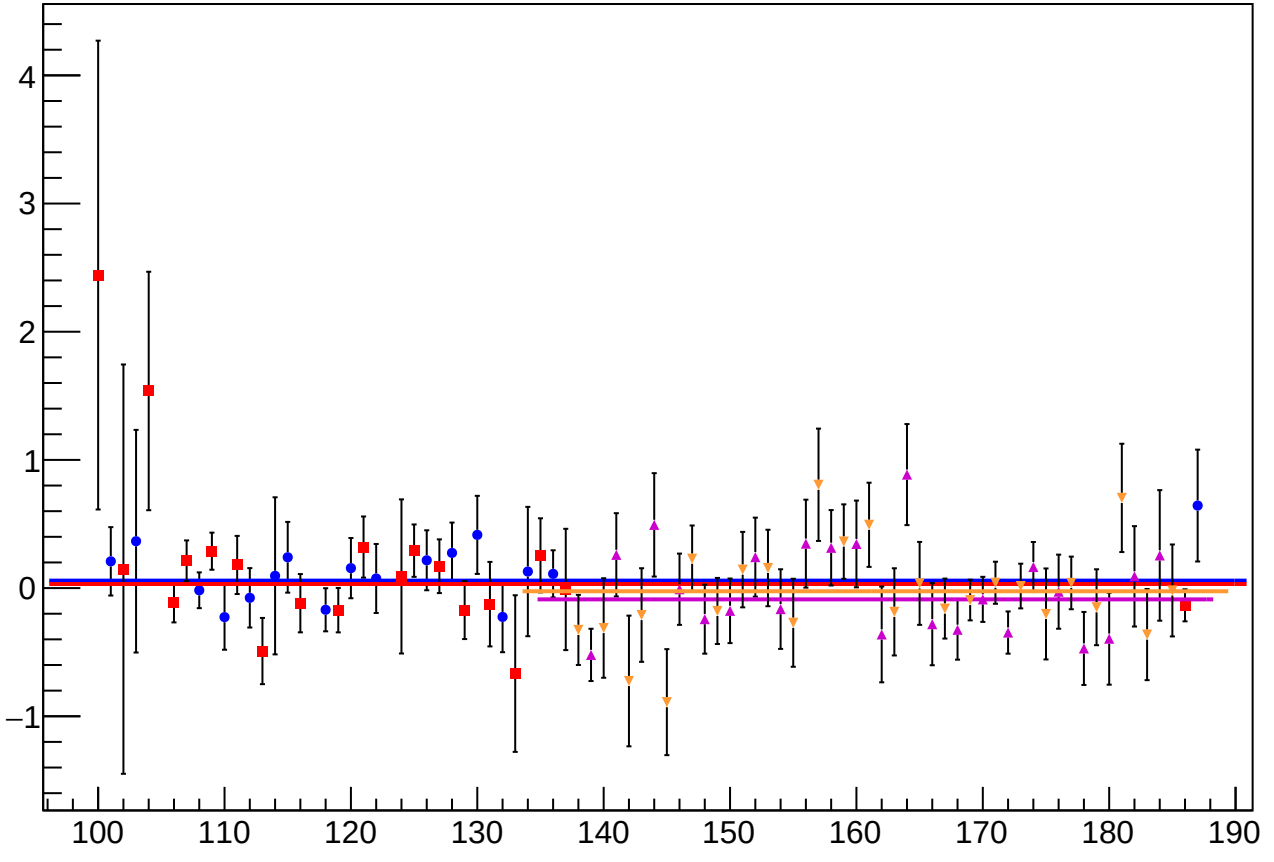
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.643+/-0.028 χ^2/NDF: 6889371.2/41

All: 177.545+/-0.019 χ^2/NDF: 17013855.9/84

- sign 167.013+/-0.027 χ^2/NDF: 9785968.5/42

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.032+/-0.050 χ^2/NDF: 24.3/19

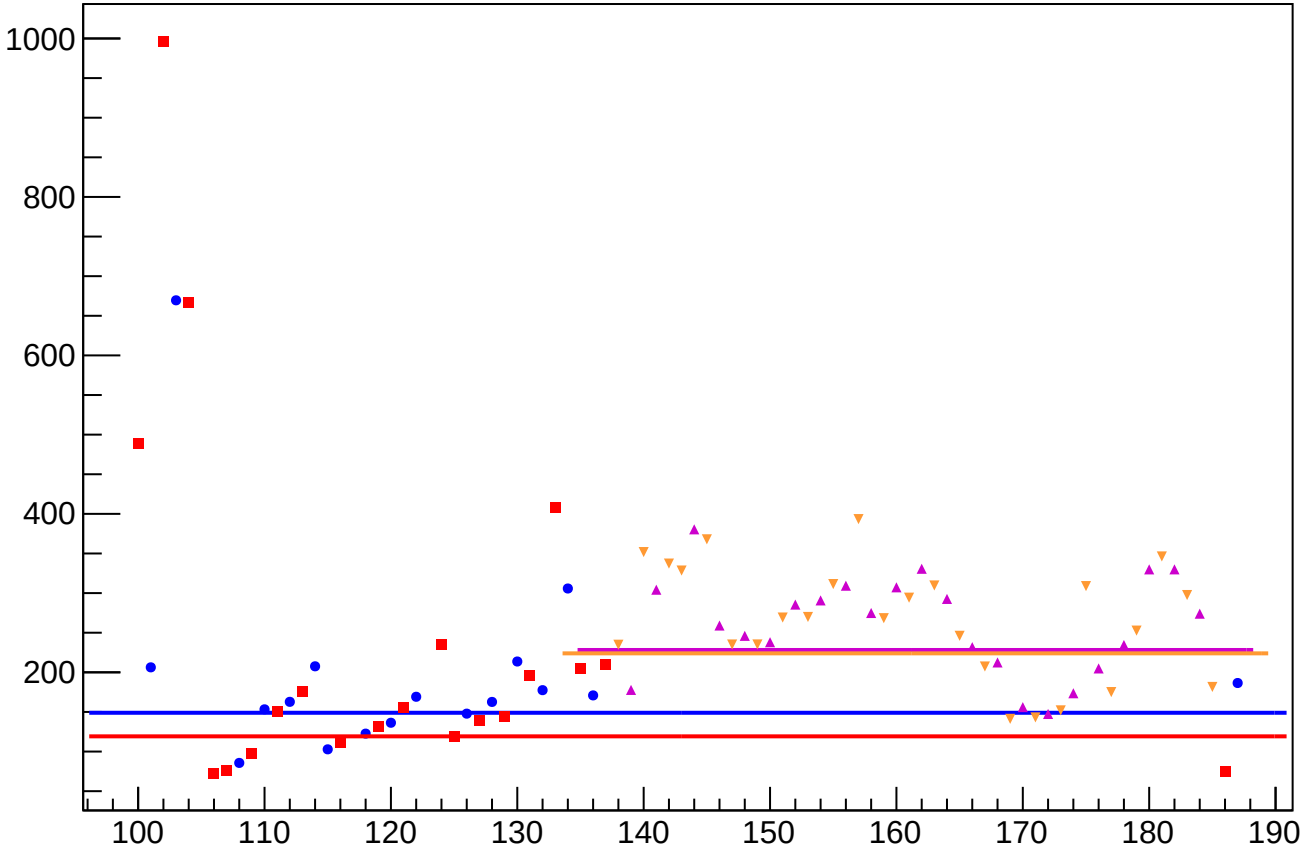
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.013+/-0.040 χ^2/NDF: 35.5/41

All: -0.005+/-0.027 χ^2/NDF: 92.8/84

- sign -0.021+/-0.038 χ^2/NDF: 56.9/42

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.952+/-0.042 χ^2/NDF: 1725146.7/16

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

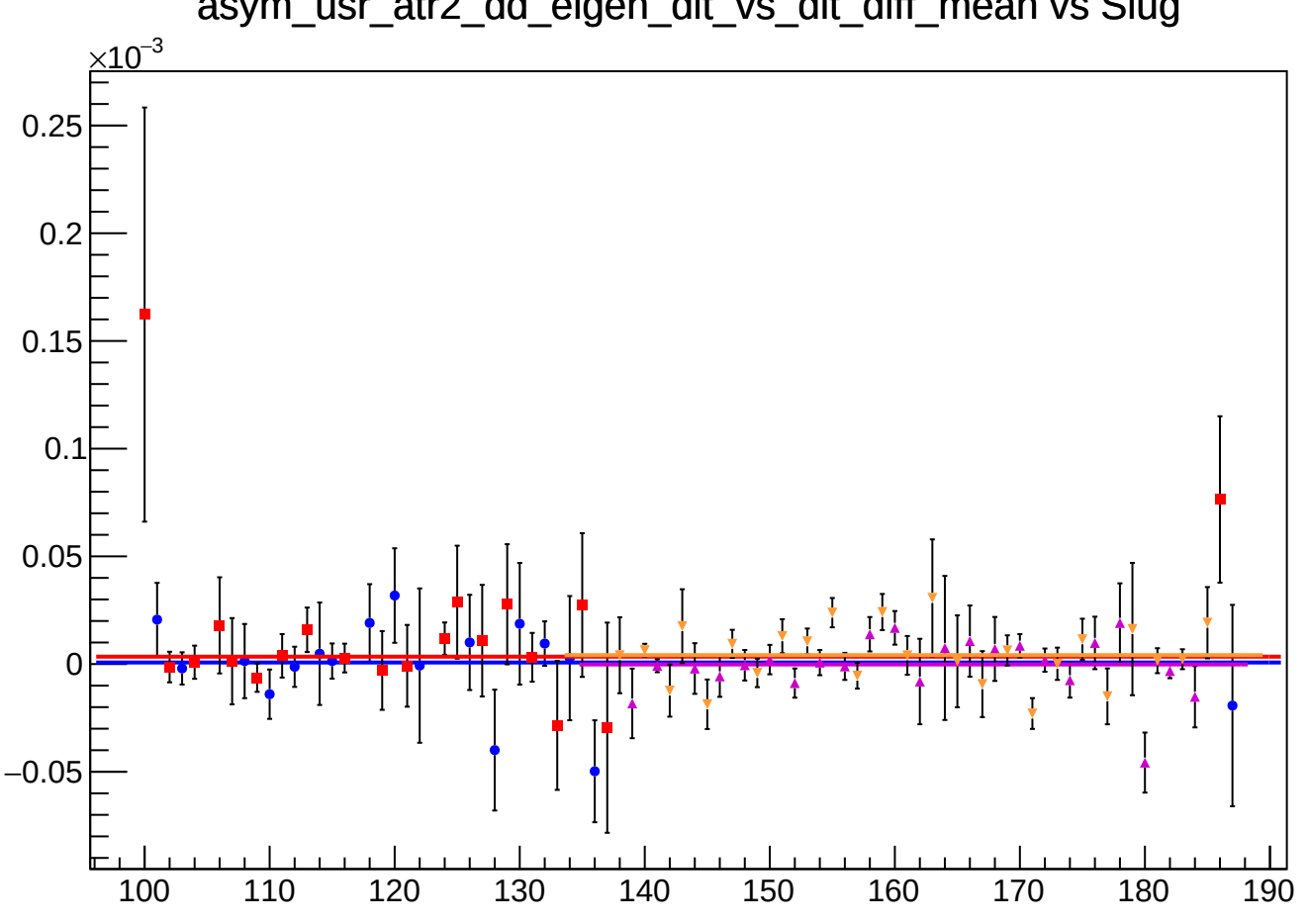
Right Out: 119.200+/-0.035 χ^2/NDF: 3141851.7/19

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.643+/-0.028 χ^2/NDF: 6889371.2/41

All: 177.545+/-0.019 χ^2/NDF: 17013855.9/84

- sign 167.013+/-0.027 χ^2/NDF: 9785968.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

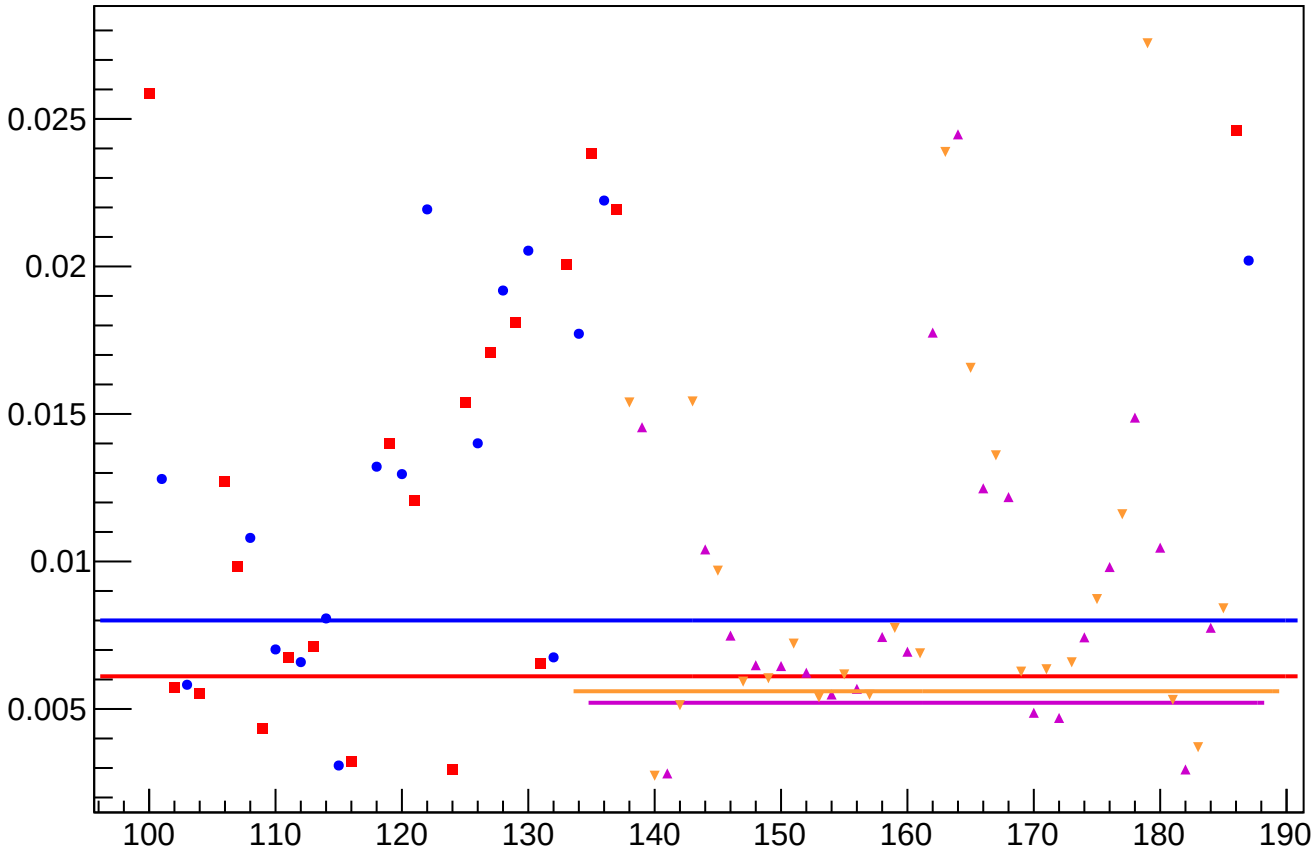
Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/19

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.1/41

All: 0.000+/-0.000 χ^2/NDF: 114.5/84

- sign 0.000+/-0.000 χ^2/NDF: 47.8/42



Right In: 0.008+/-0.000 χ^2/NDF: 3714654.8/16

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 4469801.4/19

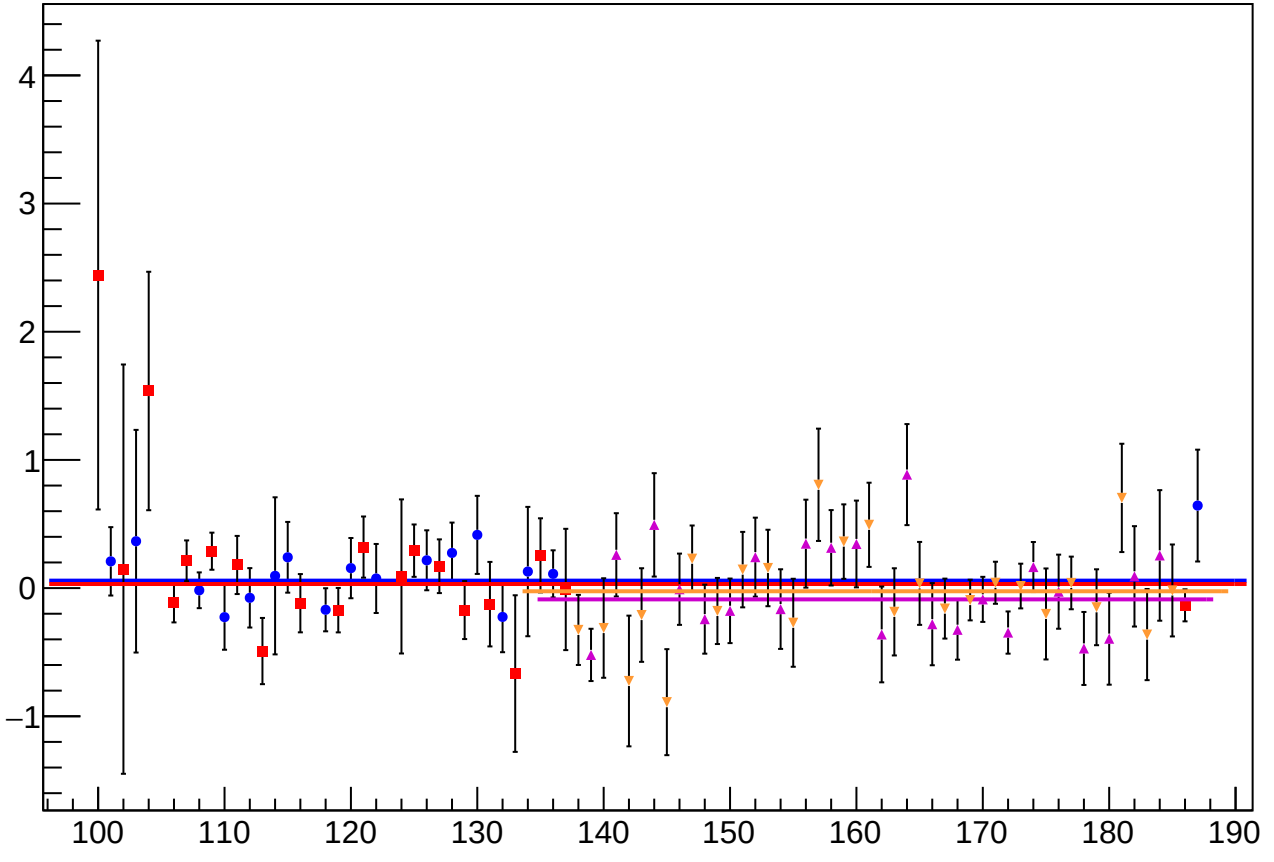
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 12302524.5/41

All: 0.006+/-0.000 χ^2/NDF: 24591565.7/84

- sign 0.005+/-0.000 χ^2/NDF: 12109792.3/42

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.032+/-0.050 χ^2/NDF: 24.3/19

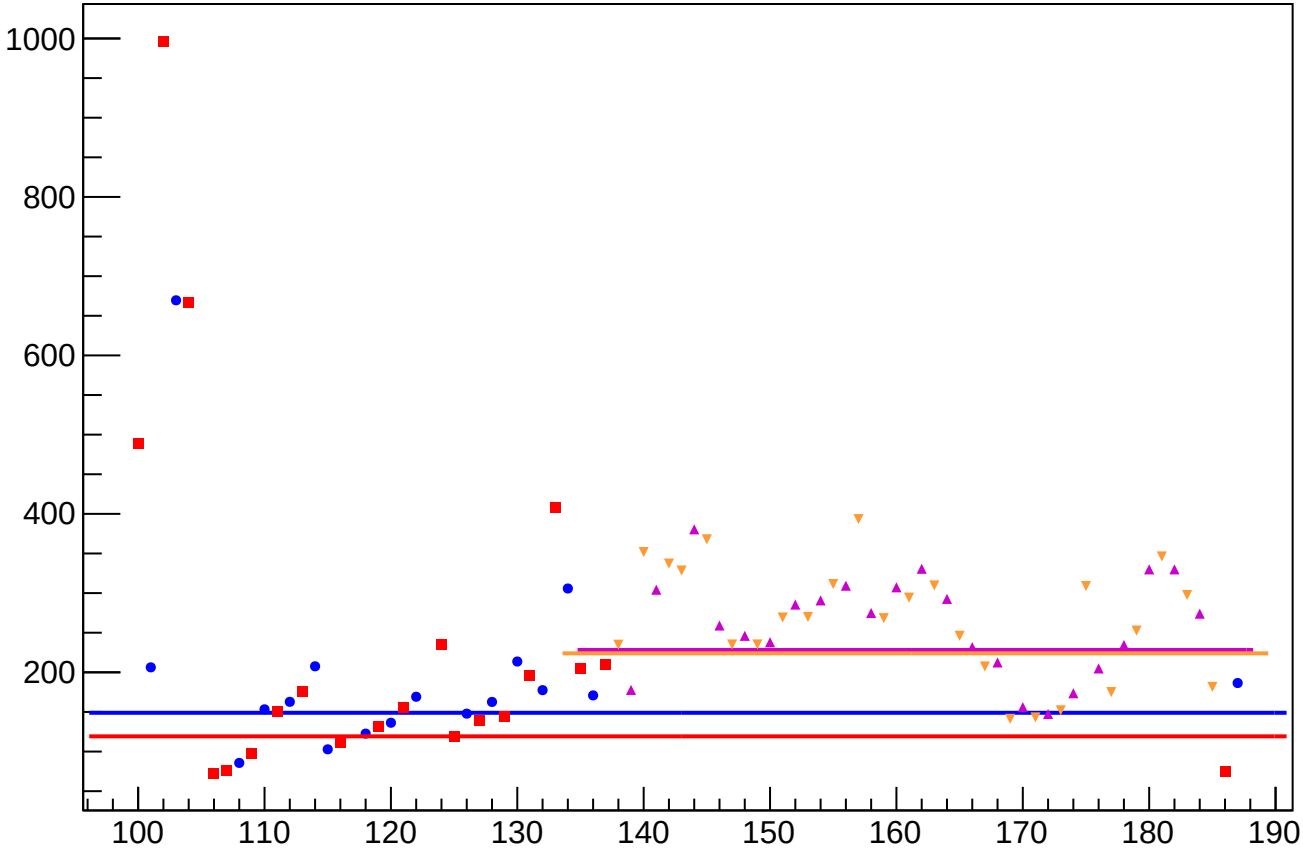
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.013+/-0.040 χ^2/NDF: 35.5/41

All: -0.005+/-0.027 χ^2/NDF: 92.8/84

- sign -0.021+/-0.038 χ^2/NDF: 56.9/42

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.949+/-0.042 χ^2/NDF: 1725219.6/16

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

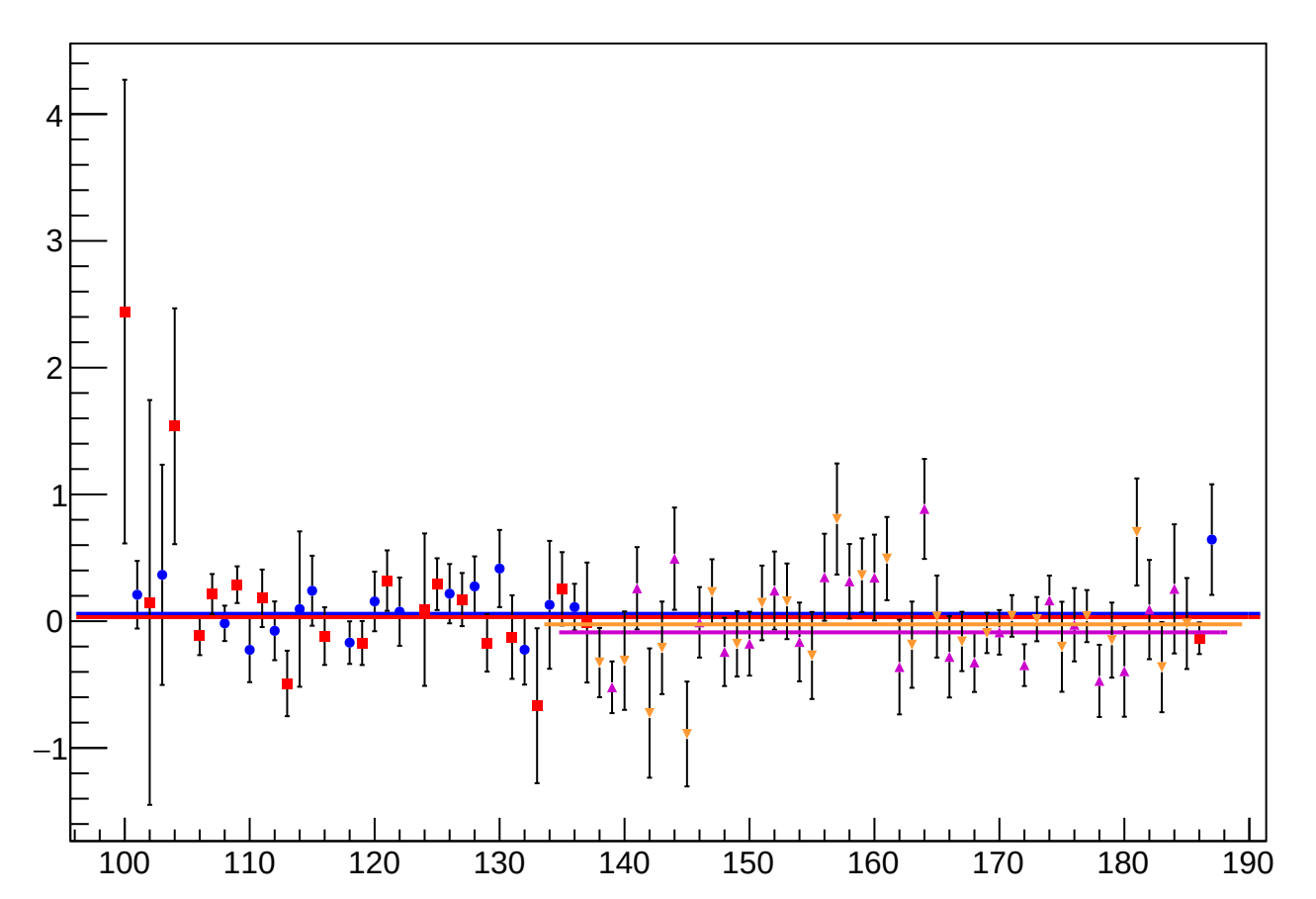
Right Out: 119.203+/-0.035 χ^2/NDF: 3141641.7/19

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.642+/-0.028 χ^2/NDF: 6889730.7/41

All: 177.547+/-0.019 χ^2/NDF: 17013603.6/84

- sign 167.017+/-0.027 χ^2/NDF: 9785506.8/42



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

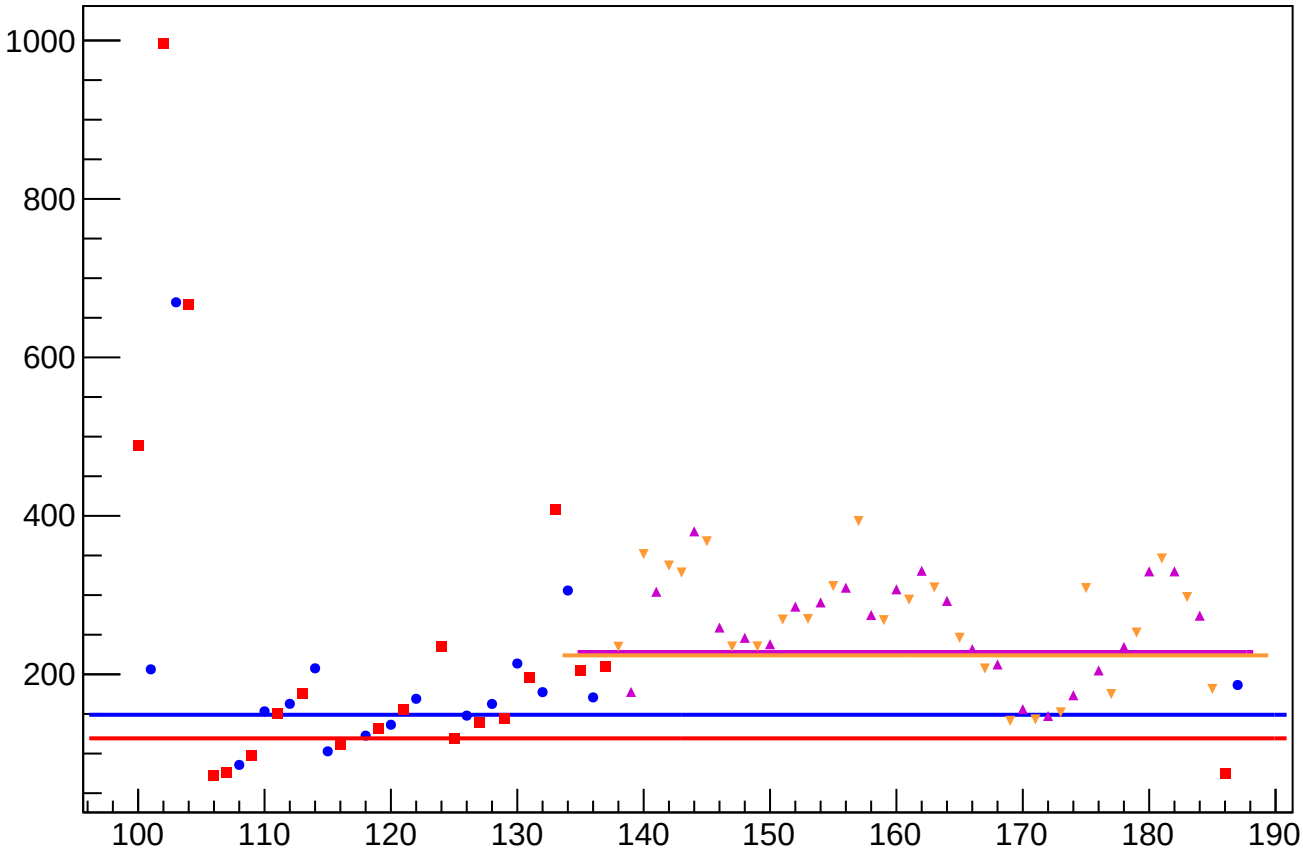
Right Out: 0.032+/-0.050 χ^2/NDF: 24.3/19

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

\+ sign 0.013+/-0.040 χ^2/NDF: 35.5/41

All: -0.005+/-0.027 χ^2/NDF: 92.8/84

\- sign -0.021+/-0.038 χ^2/NDF: 56.9/42



Right In: 148.949+/-0.042 χ^2/NDF: 1725219.6/16

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

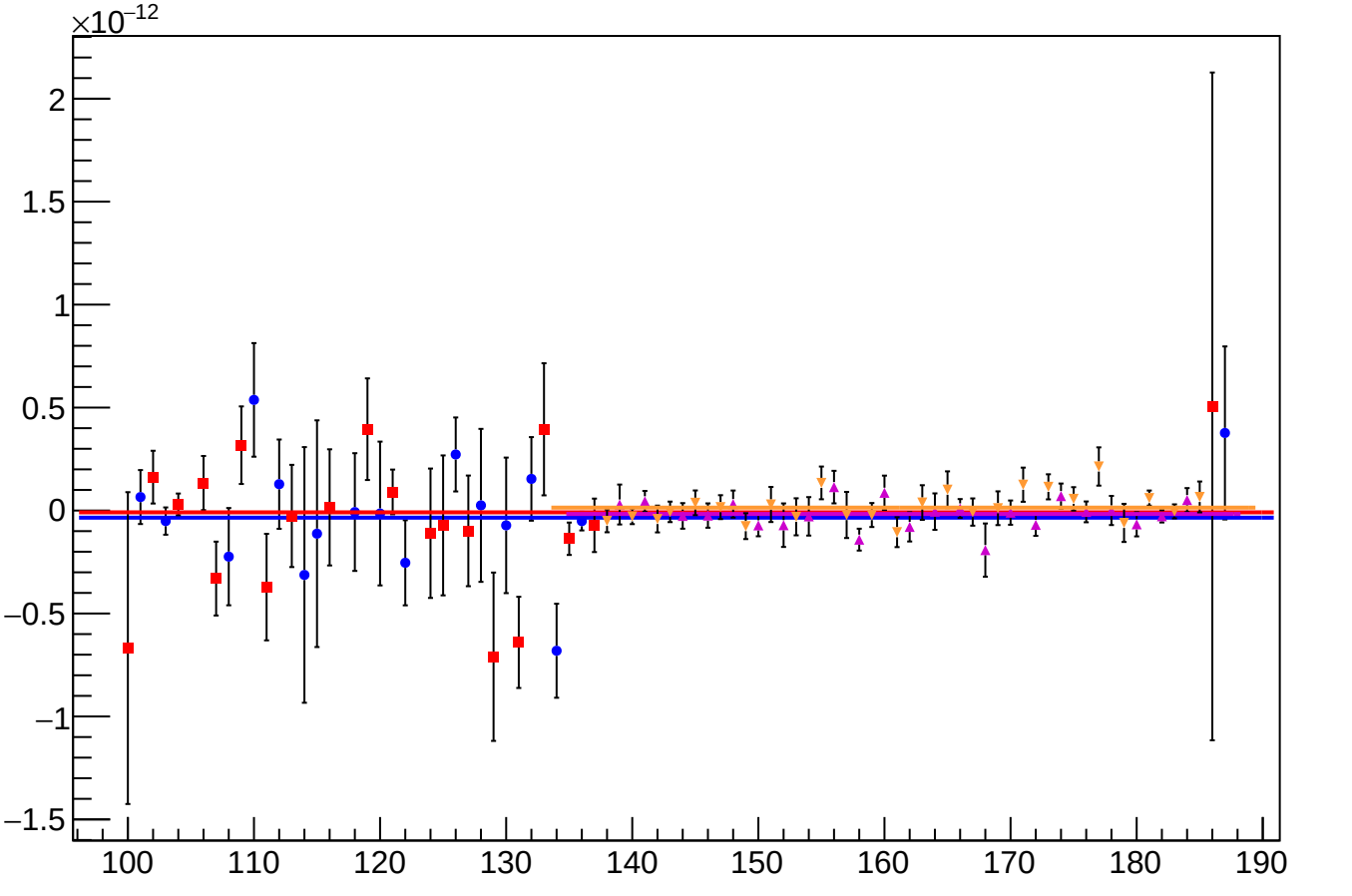
Right Out: 119.203+/-0.035 χ^2/NDF: 3141641.7/19

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.642+/-0.028 χ^2/NDF: 6889730.7/41

All: 177.547+/-0.019 χ^2/NDF: 17013603.6/84

- sign 167.017+/-0.027 χ^2/NDF: 9785506.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

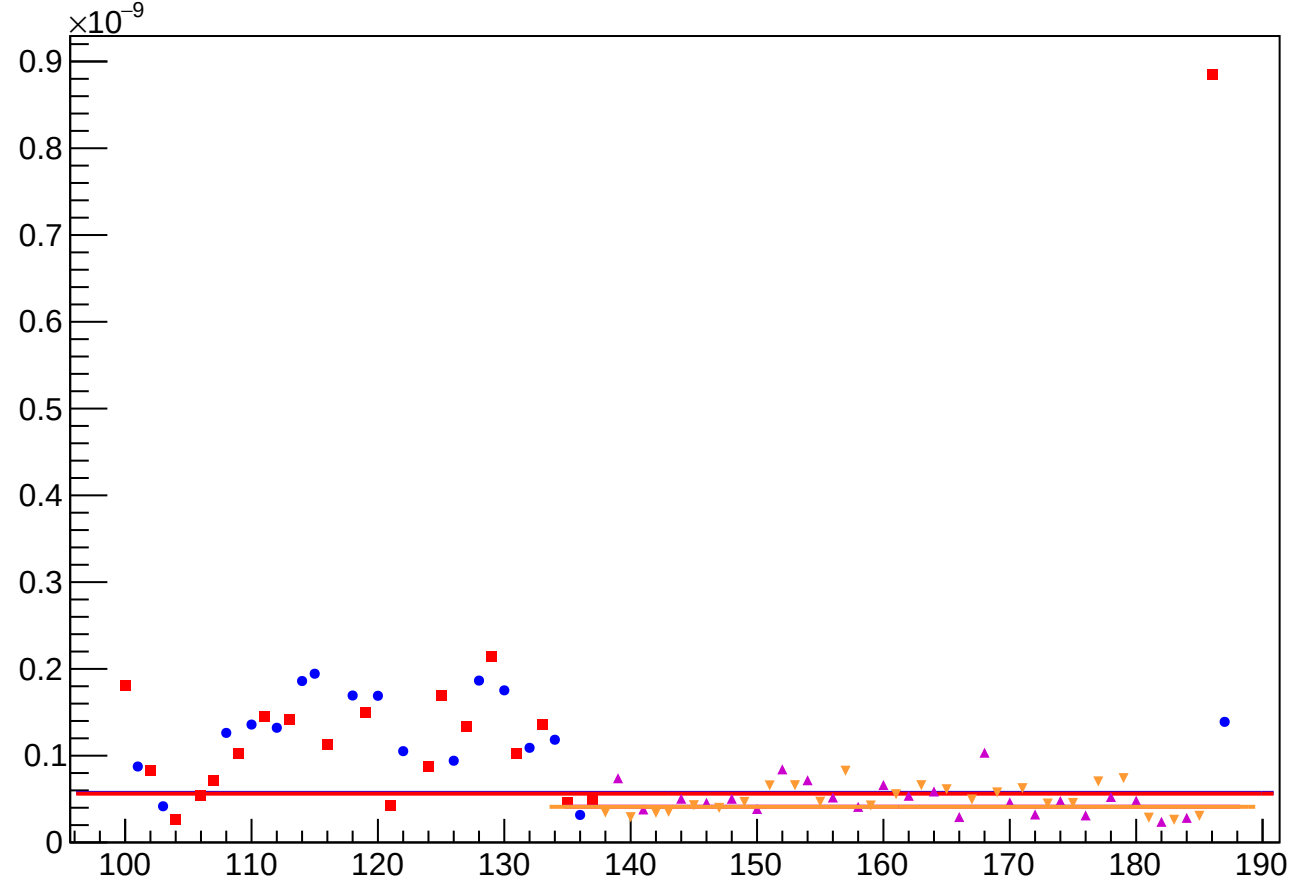
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/19

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/41

All: -0.000+/-0.000 χ^2/NDF: 103.6/84

- sign -0.000+/-0.000 χ^2/NDF: 53.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 3189562.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3255773.0/19

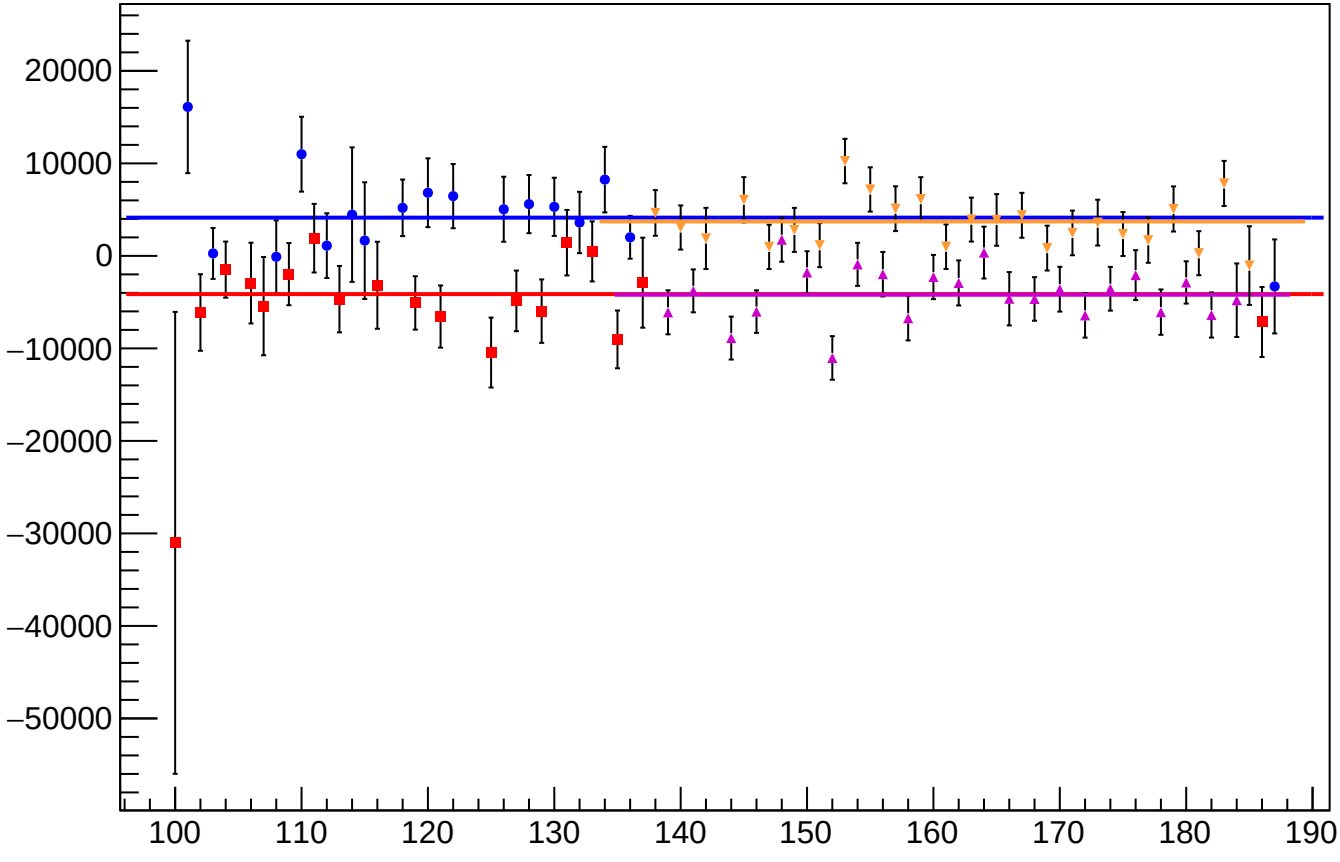
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6273922.5/41

All: 0.000+/-0.000 χ^2/NDF: 12765852.1/84

- sign 0.000+/-0.000 χ^2/NDF: 6491829.1/42

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4133.635+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

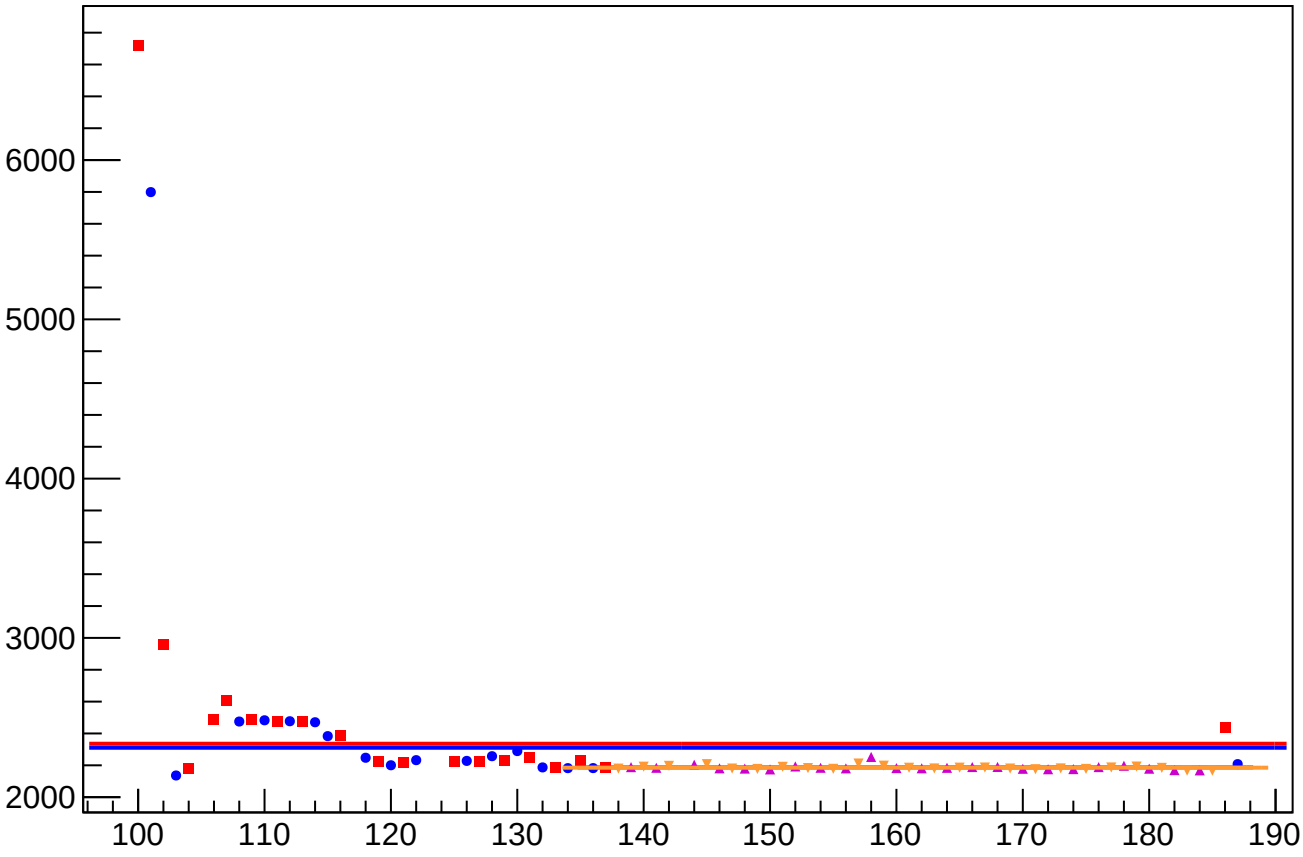
Right Out: -4131.264+/-849.108 χ^2/NDF: 16.8/18

Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3828.871+/-437.171 χ^2/NDF: 41.2/40

All: -171.353+/-309.265 χ^2/NDF: 257.7/82

- sign -4178.766+/-437.564 χ^2/NDF: 48.9/41



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.0/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

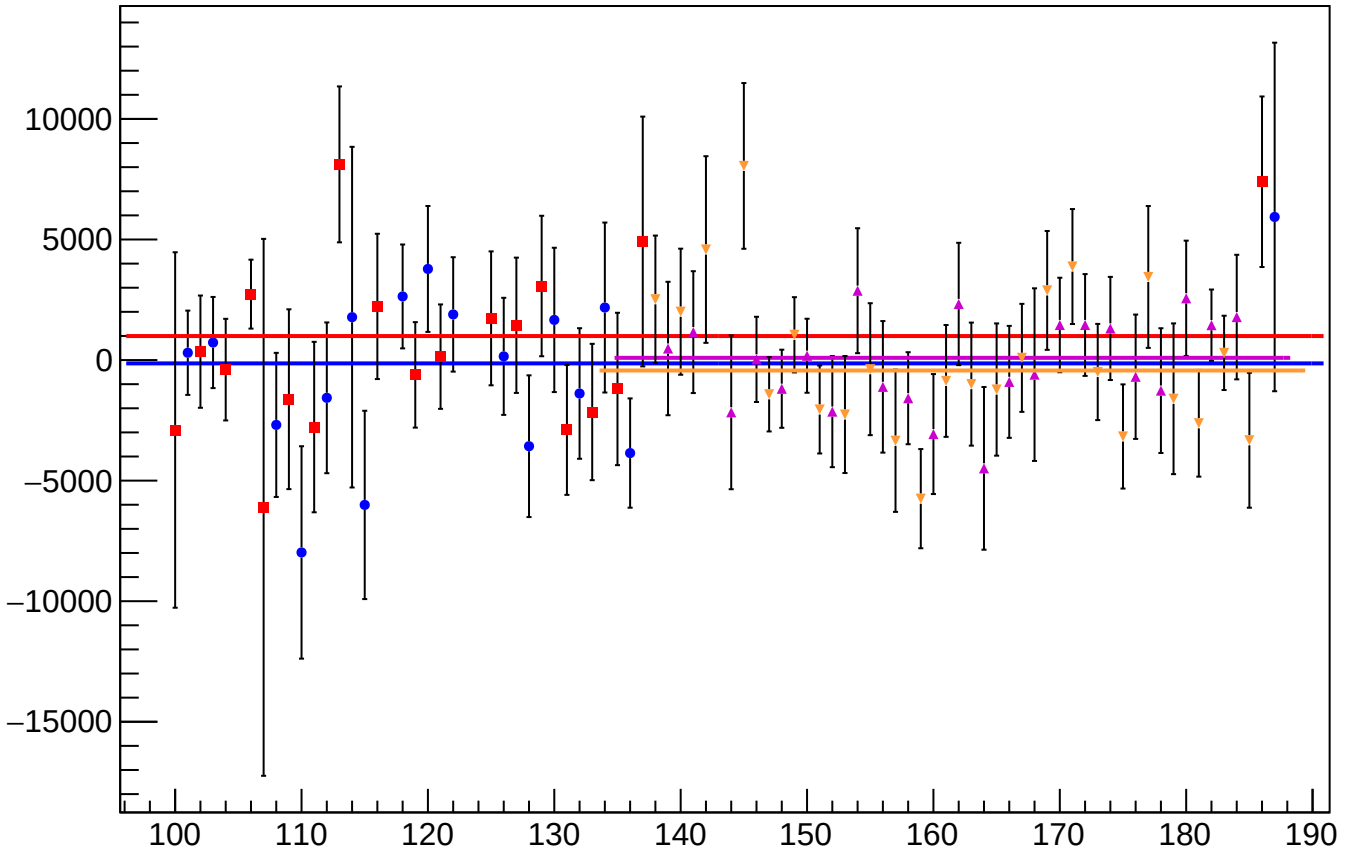
Right Out: 2335.497+/-0.600 χ^2/NDF: 152679.8/18

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.309+/-0.309 χ^2/NDF: 545363.1/40

All: 2221.774+/-0.219 χ^2/NDF: 745604.7/82

- sign 2226.247+/-0.309 χ^2/NDF: 199824.0/41



Right In: -138.273+/-655.620 χ^2/NDF: 17.1/16

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

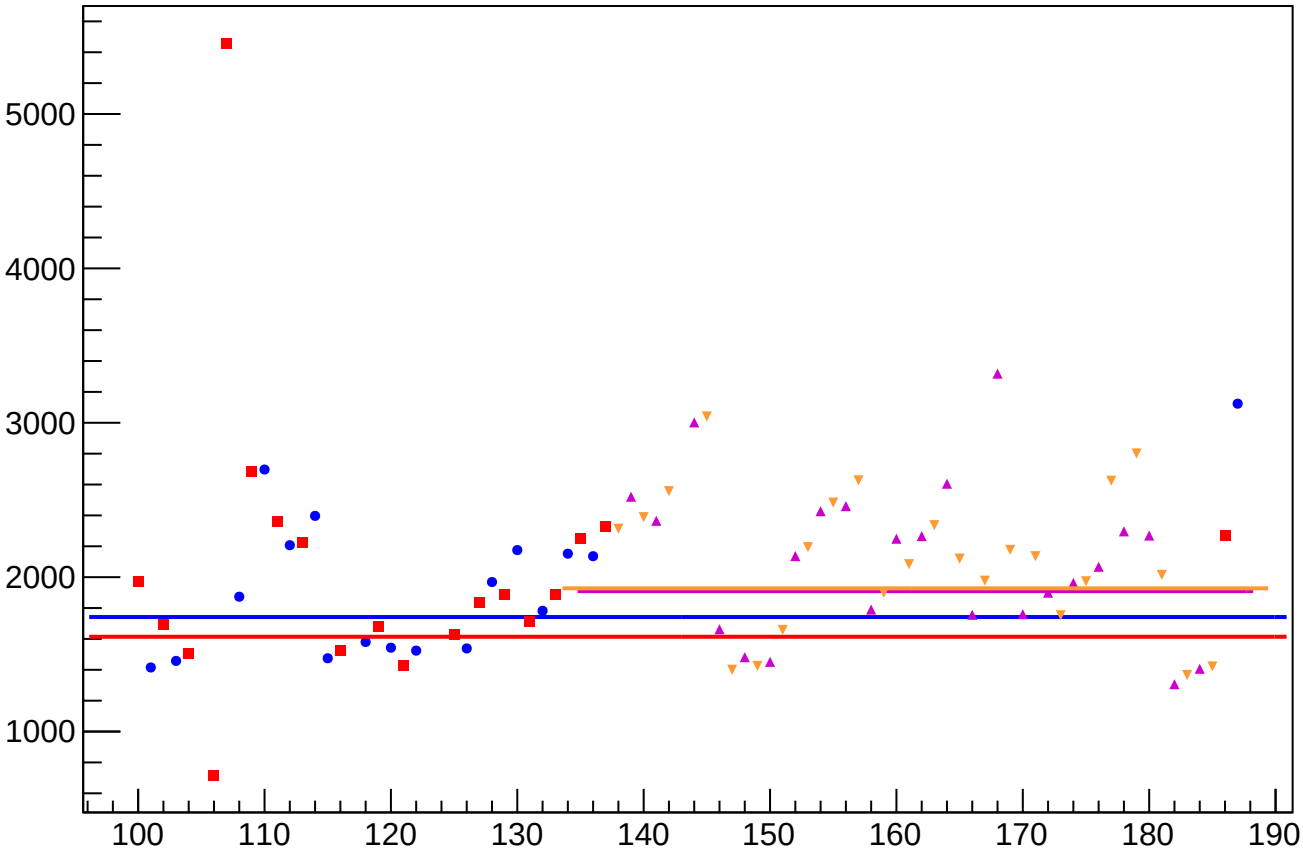
Right Out: 995.496+/-624.912 χ^2/NDF: 18.3/18

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -334.623+/-377.863 χ^2/NDF: 48.6/40

All: 44.979+/-264.659 χ^2/NDF: 82.9/82

- sign 410.533+/-370.805 χ^2/NDF: 32.4/41



Right In: 1741.752+/-0.464 χ^2/NDF: 552648.6/16

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

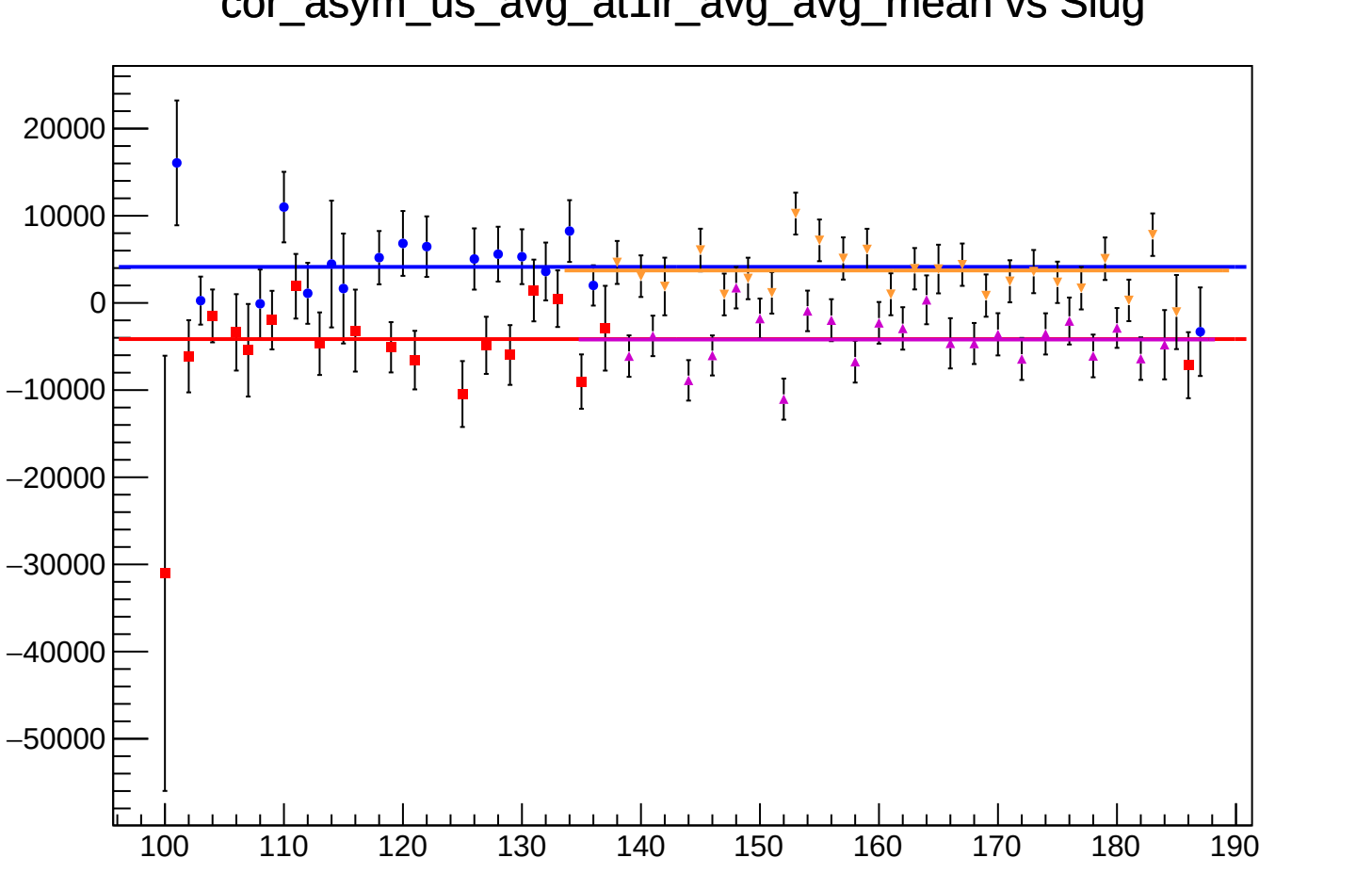
Right Out: 1614.014+/-0.442 χ^2/NDF: 1627568.5/18

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1865.907+/-0.267 χ^2/NDF: 2458427.1/40

All: 1835.152+/-0.187 χ^2/NDF: 6344211.5/82

- sign 1805.535+/-0.262 χ^2/NDF: 3859776.0/41



Right In: 4132.981+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4148.582+/-849.248 χ^2/NDF: 16.8/18

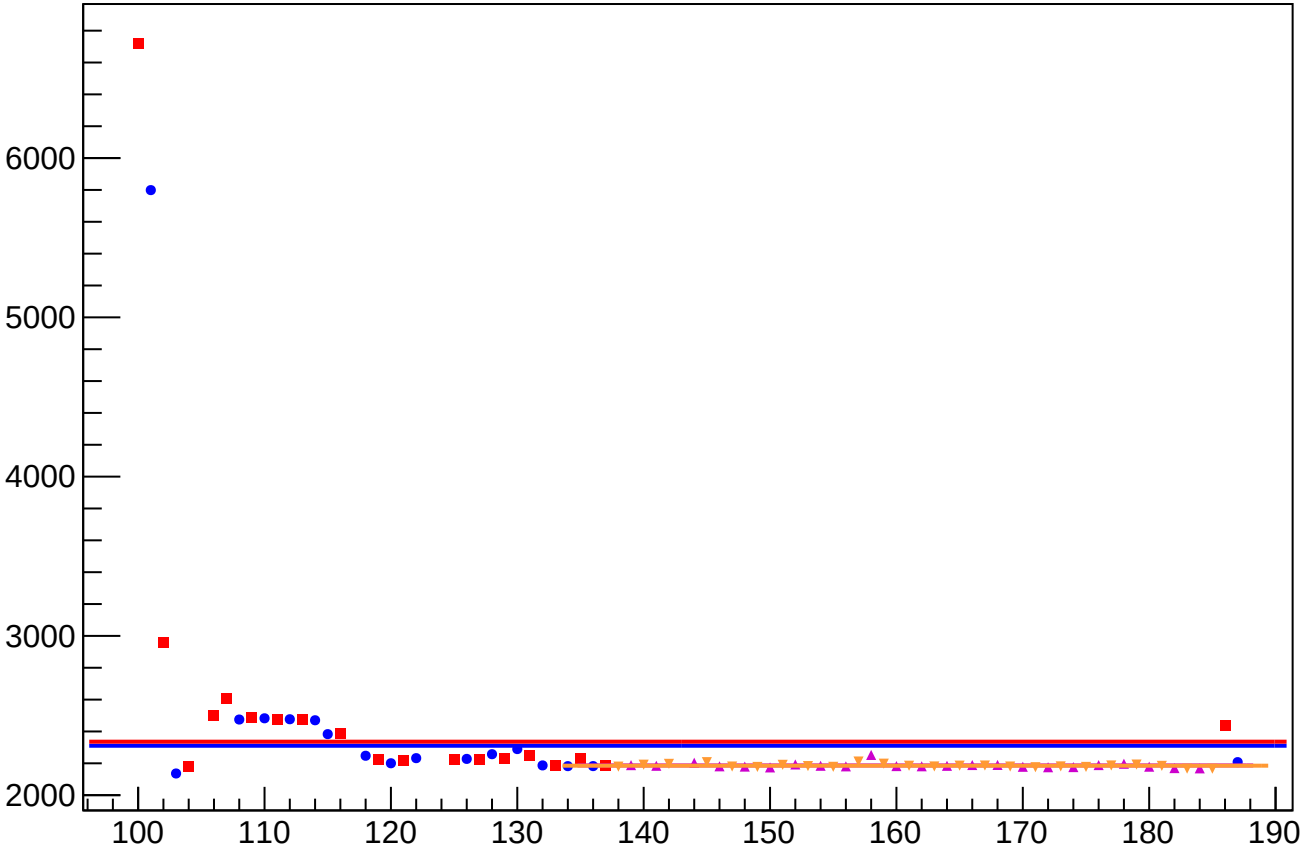
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3828.664+/-437.171 χ^2/NDF: 41.2/40

All: -173.625+/-309.272 χ^2/NDF: 257.8/82

- sign -4183.455+/-437.583 χ^2/NDF: 48.9/41

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.5/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

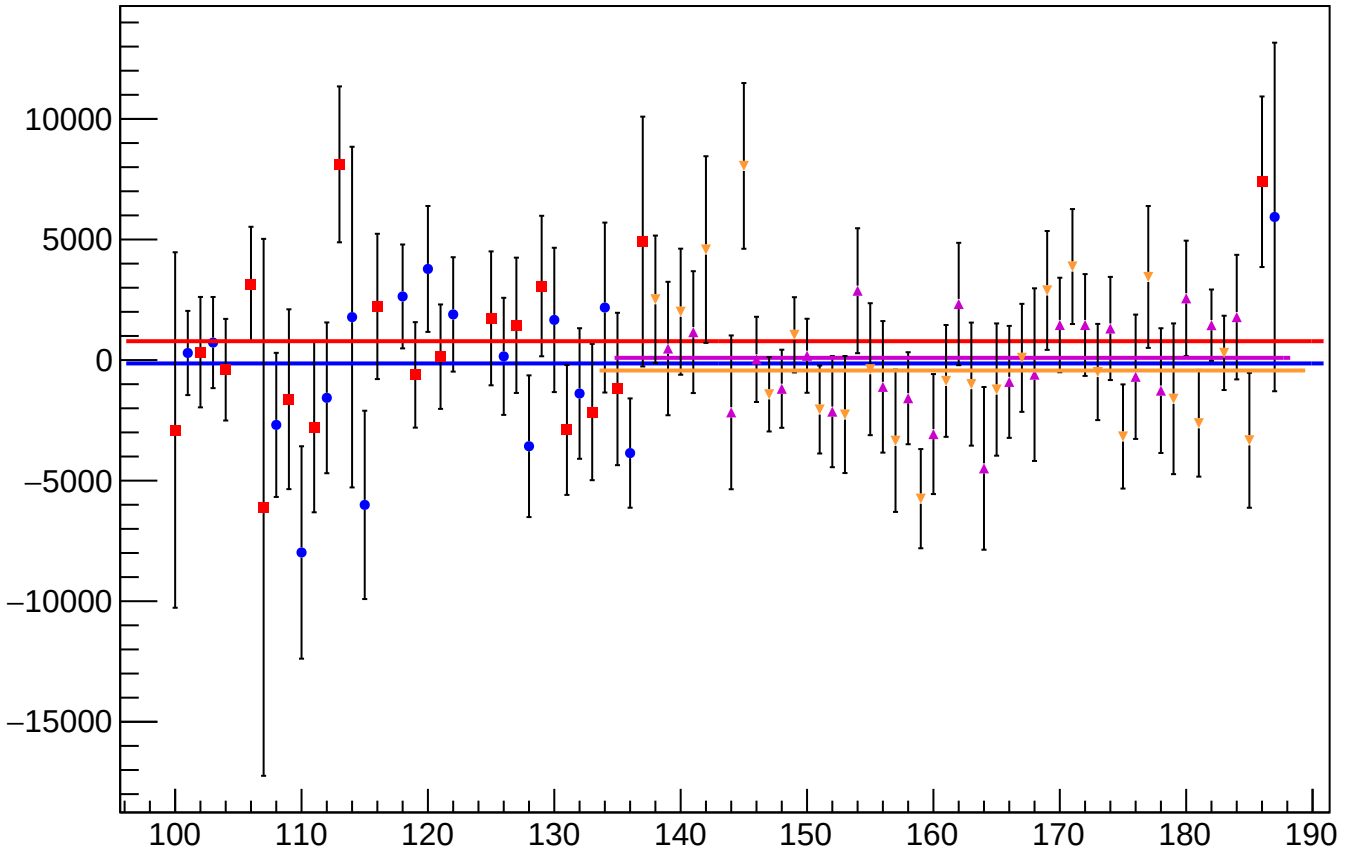
Right Out: 2335.849+/-0.601 χ^2/NDF: 153015.5/18

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.309+/-0.309 χ^2/NDF: 545363.4/40

All: 2221.816+/-0.219 χ^2/NDF: 746151.8/82

- sign 2226.332+/-0.309 χ^2/NDF: 200362.8/41



Right In: -139.387+/-655.493 χ^2/NDF: 17.1/16

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

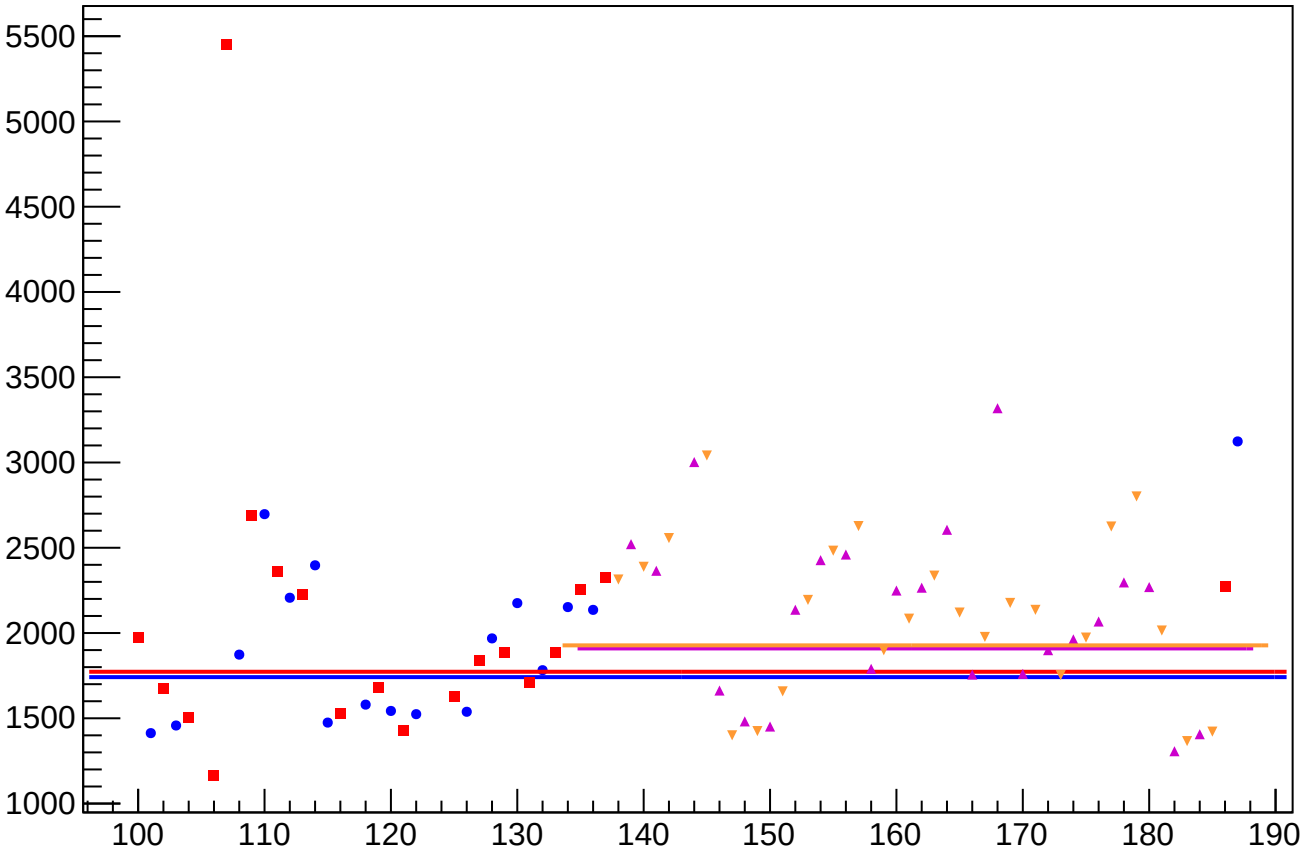
Right Out: 782.632+/-666.080 χ^2/NDF: 17.5/18

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -334.991+/-377.838 χ^2/NDF: 48.6/40

All: -10.458+/-267.540 χ^2/NDF: 81.1/82

- sign 315.870+/-378.882 χ^2/NDF: 31.0/41



Right In: 1741.362+/-0.464 χ^2/NDF: 553657.4/16

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

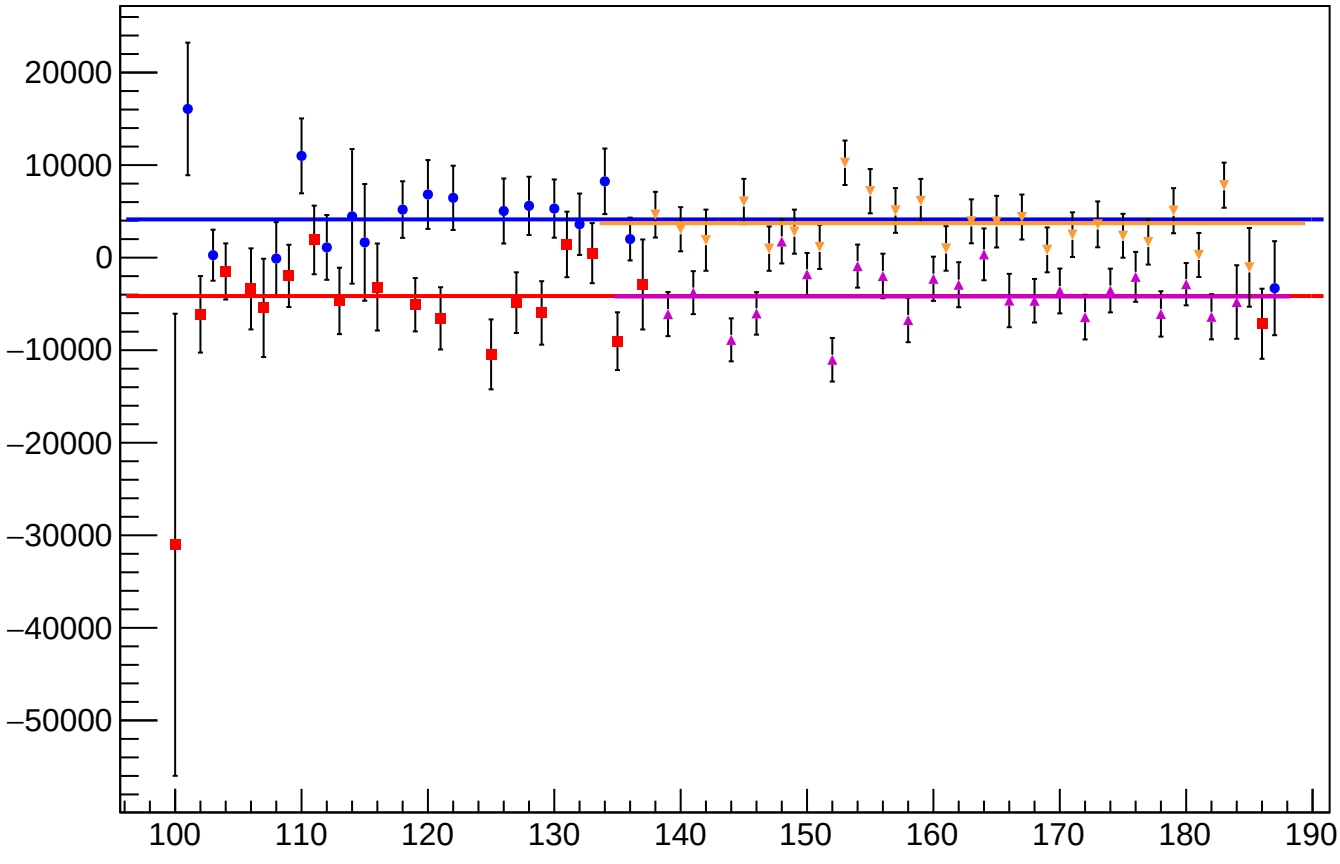
Right Out: 1772.865+/-0.471 χ^2/NDF: 792241.0/18

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1865.760+/-0.267 χ^2/NDF: 2459938.1/40

All: 1865.566+/-0.189 χ^2/NDF: 5251493.8/82

- sign 1865.370+/-0.268 χ^2/NDF: 2791554.7/41



Right In: 4132.981+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4148.582+/-849.248 χ^2/NDF: 16.8/18

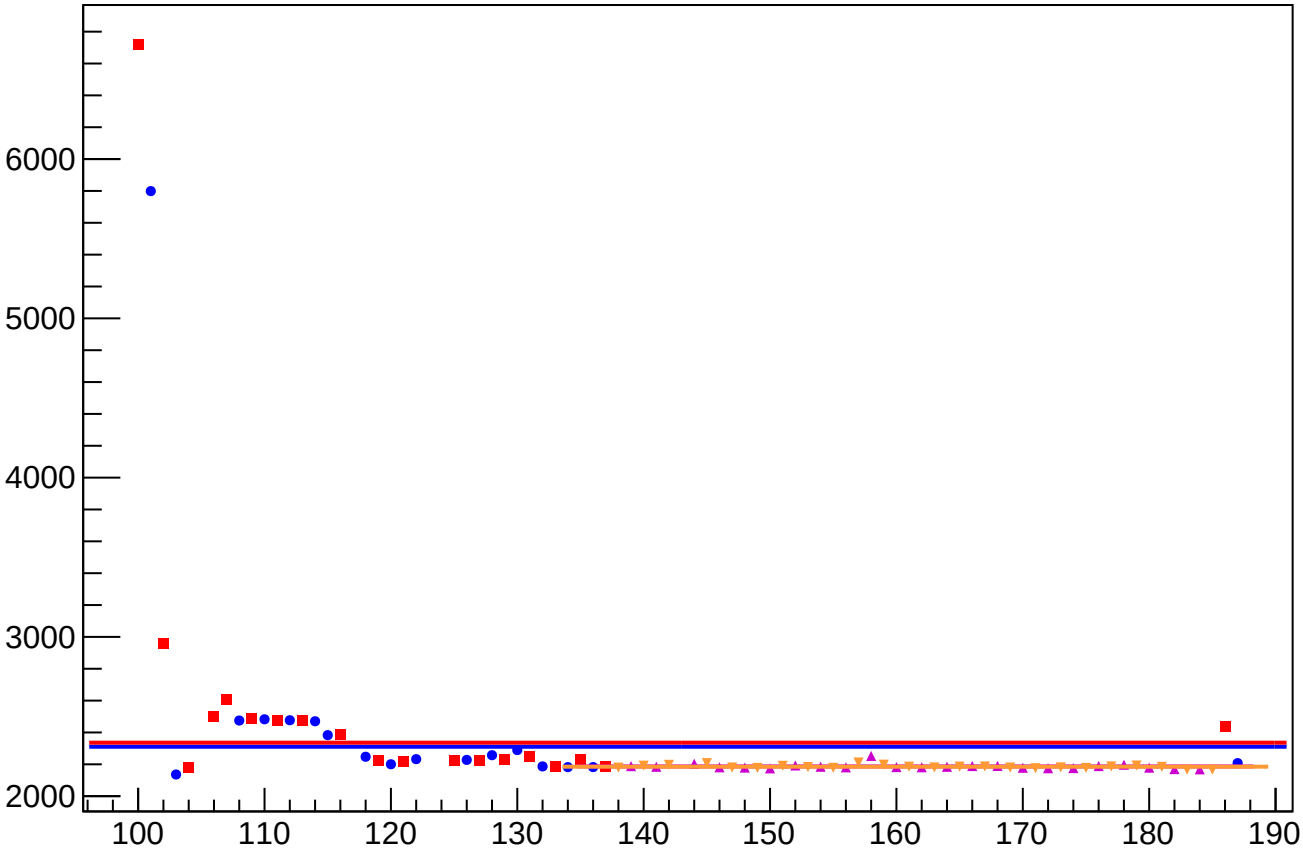
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3828.664+/-437.171 χ^2/NDF: 41.2/40

All: -173.625+/-309.272 χ^2/NDF: 257.8/82

- sign -4183.455+/-437.583 χ^2/NDF: 48.9/41

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.5/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

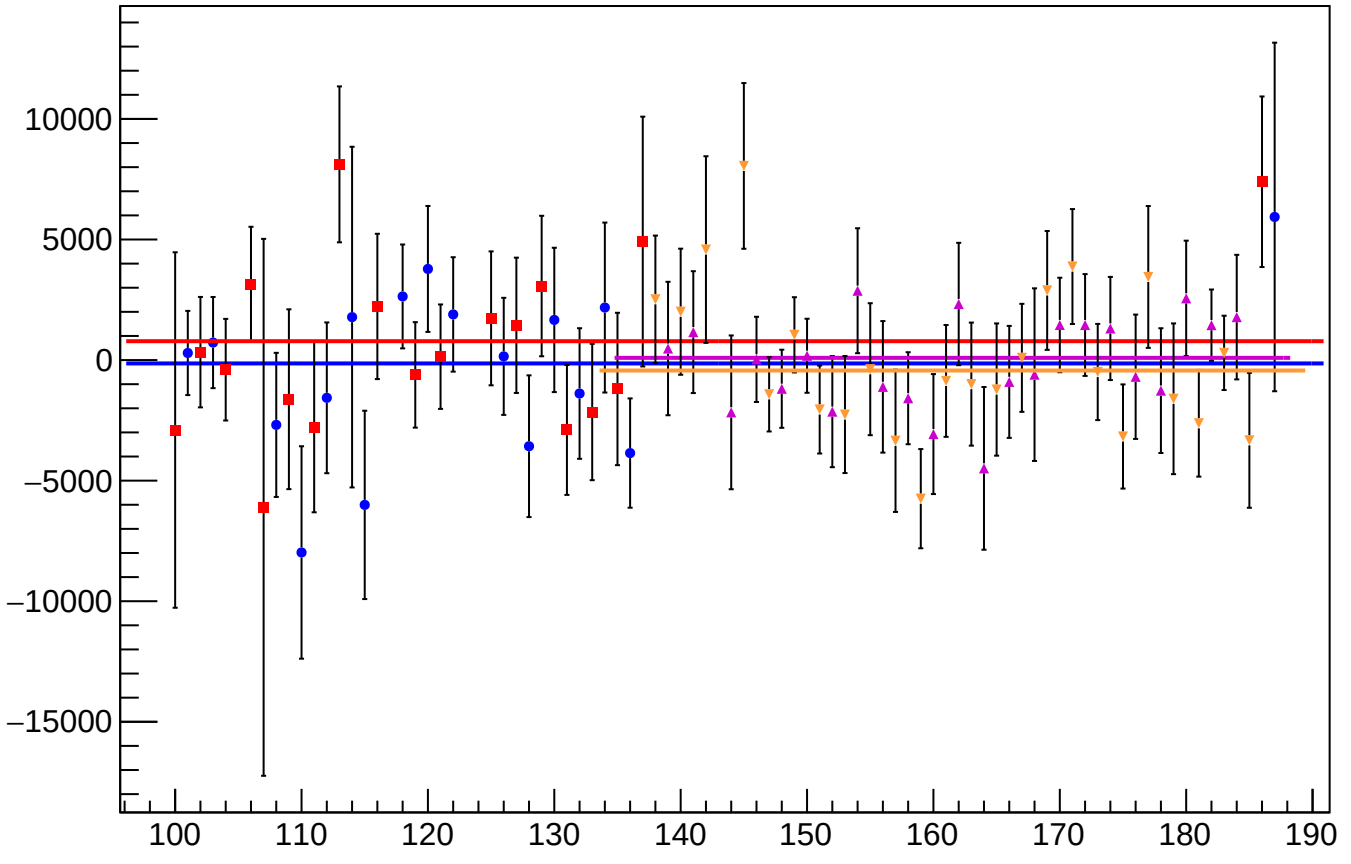
Right Out: 2335.849+/-0.601 χ^2/NDF: 153015.5/18

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2217.309+/-0.309 χ^2/NDF: 545363.4/40

All: 2221.816+/-0.219 χ^2/NDF: 746151.8/82

- sign 2226.332+/-0.309 χ^2/NDF: 200362.8/41



Right In: -139.387+/-655.493 χ^2/NDF: 17.1/16

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

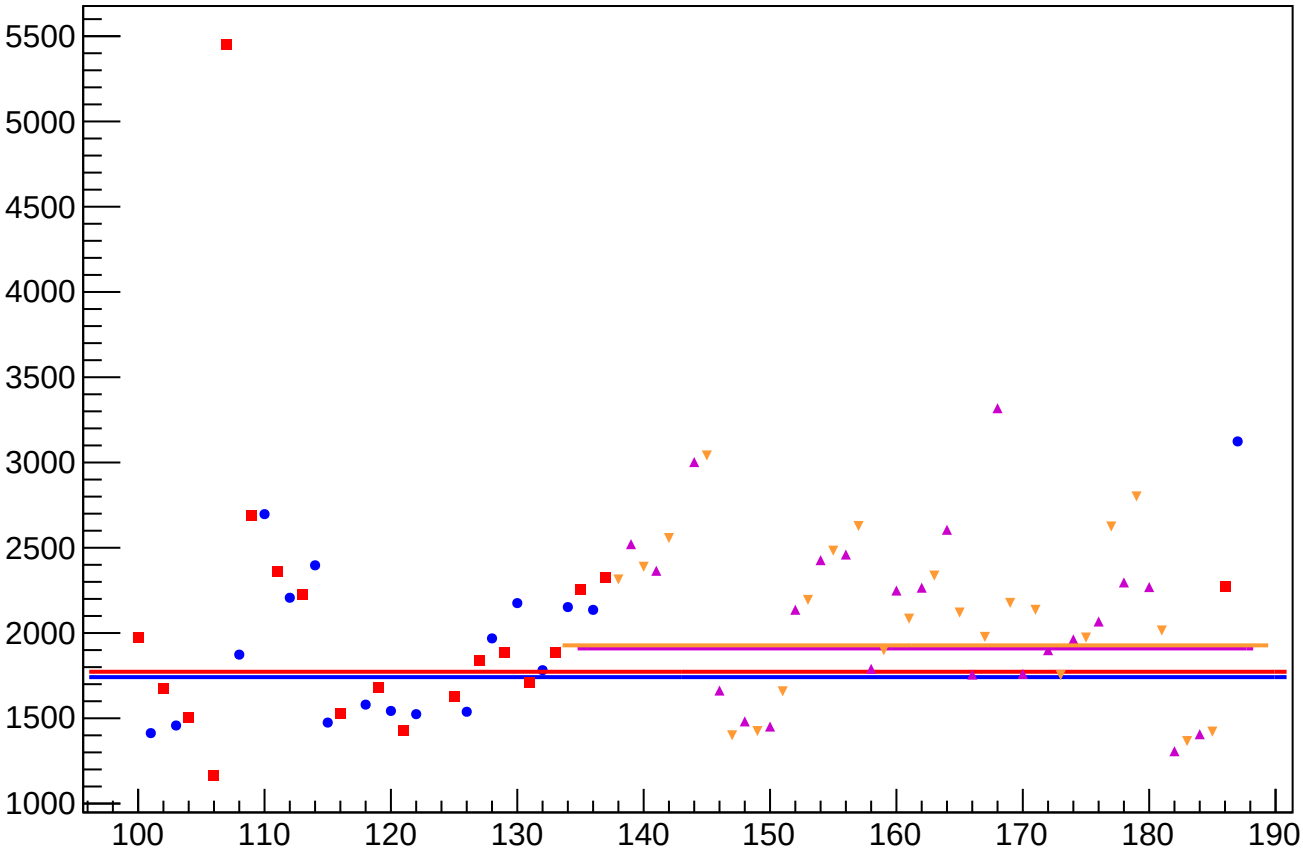
Right Out: 782.632+/-666.080 χ^2/NDF: 17.5/18

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -334.991+/-377.838 χ^2/NDF: 48.6/40

All: -10.458+/-267.540 χ^2/NDF: 81.1/82

- sign 315.870+/-378.882 χ^2/NDF: 31.0/41



Right In: 1741.362+/-0.464 χ^2/NDF: 553657.4/16

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

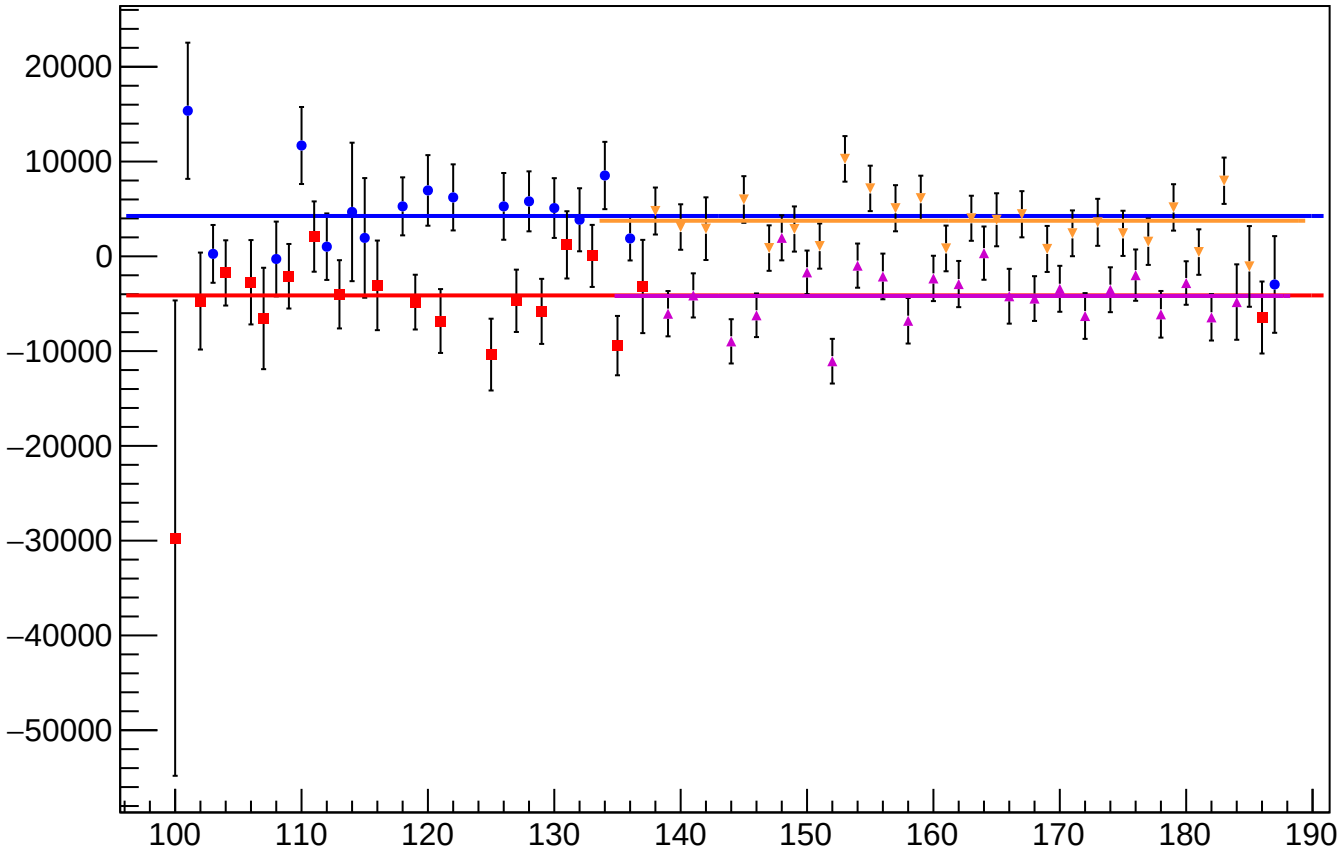
Right Out: 1772.865+/-0.471 χ^2/NDF: 792241.0/18

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1865.760+/-0.267 χ^2/NDF: 2459938.1/40

All: 1865.566+/-0.189 χ^2/NDF: 5251493.8/82

- sign 1865.370+/-0.268 χ^2/NDF: 2791554.7/41



Right In: 4258.296+/-873.009 χ^2/NDF: 15.6/16

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4123.975+/-866.932 χ^2/NDF: 15.9/18

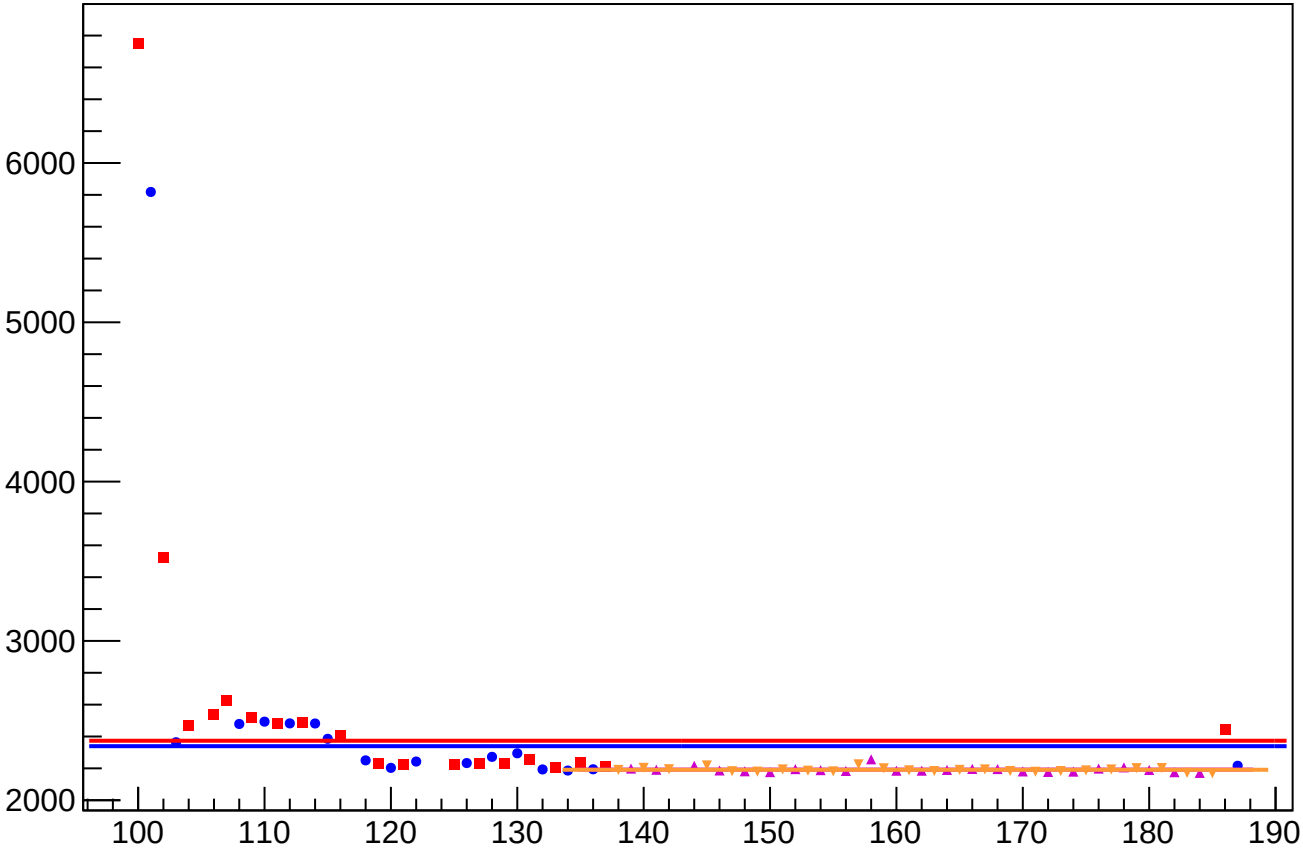
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

\+ sign 3881.825+/-439.441 χ^2/NDF: 41.5/40

All: -131.262+/-311.200 χ^2/NDF: 257.4/82

\- sign -4168.642+/-440.769 χ^2/NDF: 48.6/41

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2339.202+/-0.617 χ^2/NDF: 504064.1/16

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

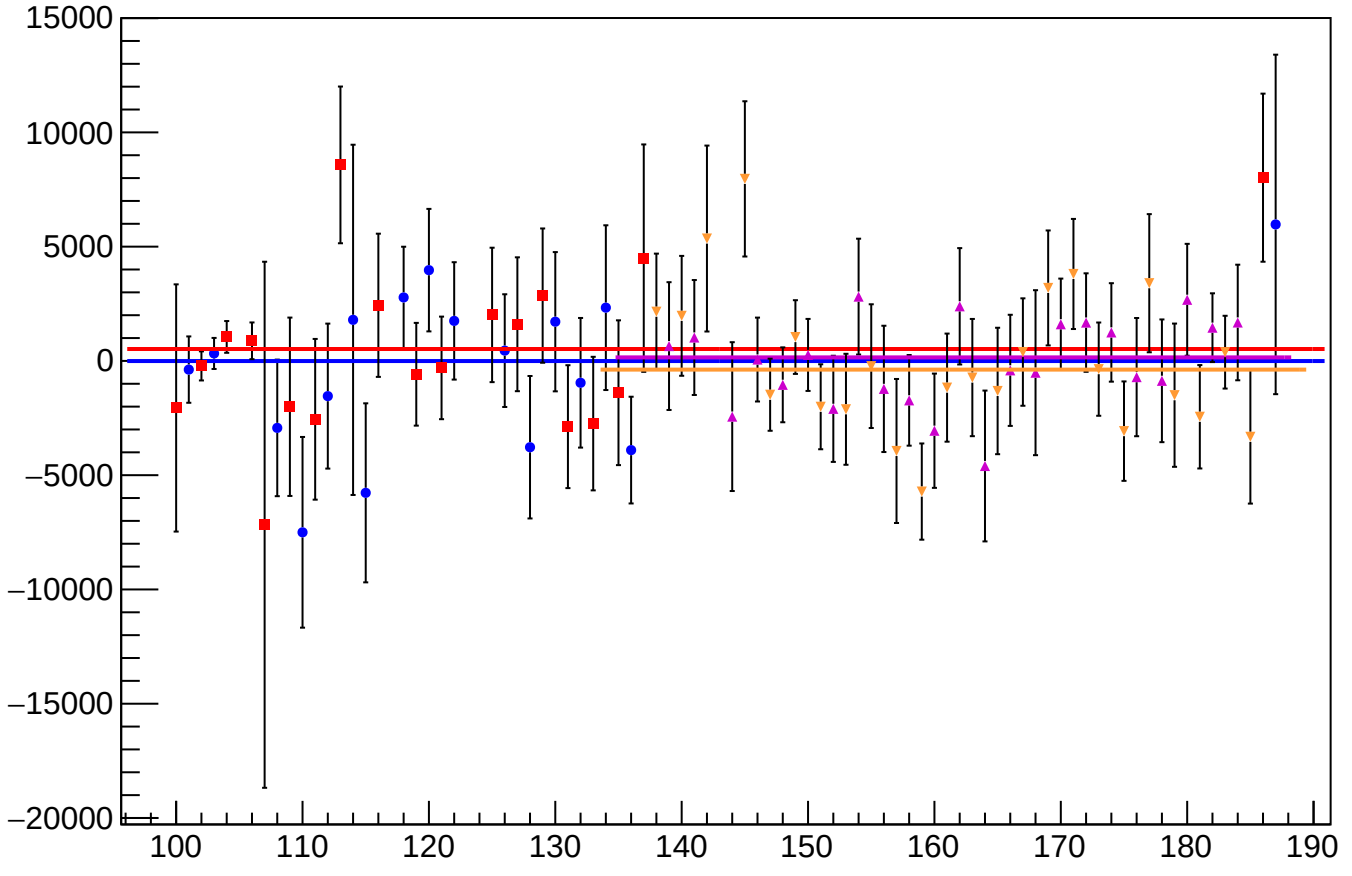
Right Out: 2373.407+/-0.613 χ^2/NDF: 210859.4/18

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.660+/-0.311 χ^2/NDF: 548241.2/40

All: 2233.835+/-0.220 χ^2/NDF: 826730.7/82

- sign 2239.042+/-0.312 χ^2/NDF: 277933.1/41



Right In: -5.870+/-484.296 χ^2/NDF: 17.0/16

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

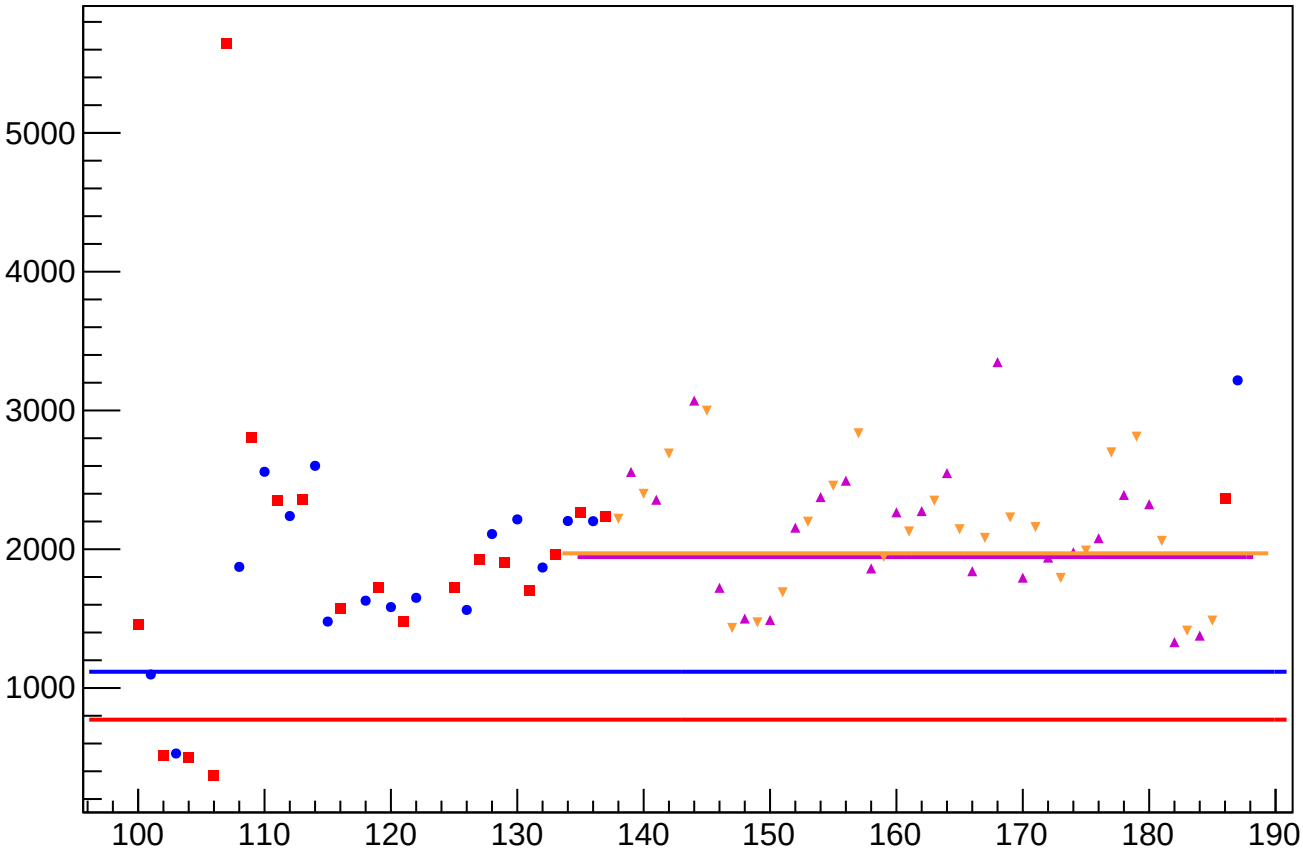
Right Out: 521.134+/-360.821 χ^2/NDF: 19.3/18

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -198.201+/-337.827 χ^2/NDF: 48.0/40

All: 141.446+/-218.172 χ^2/NDF: 82.3/82

\- sign 384.453+/-285.753 χ^2/NDF: 32.5/41



Right In: 1117.104+/-0.342 χ^2/NDF: 3907015.6/16

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

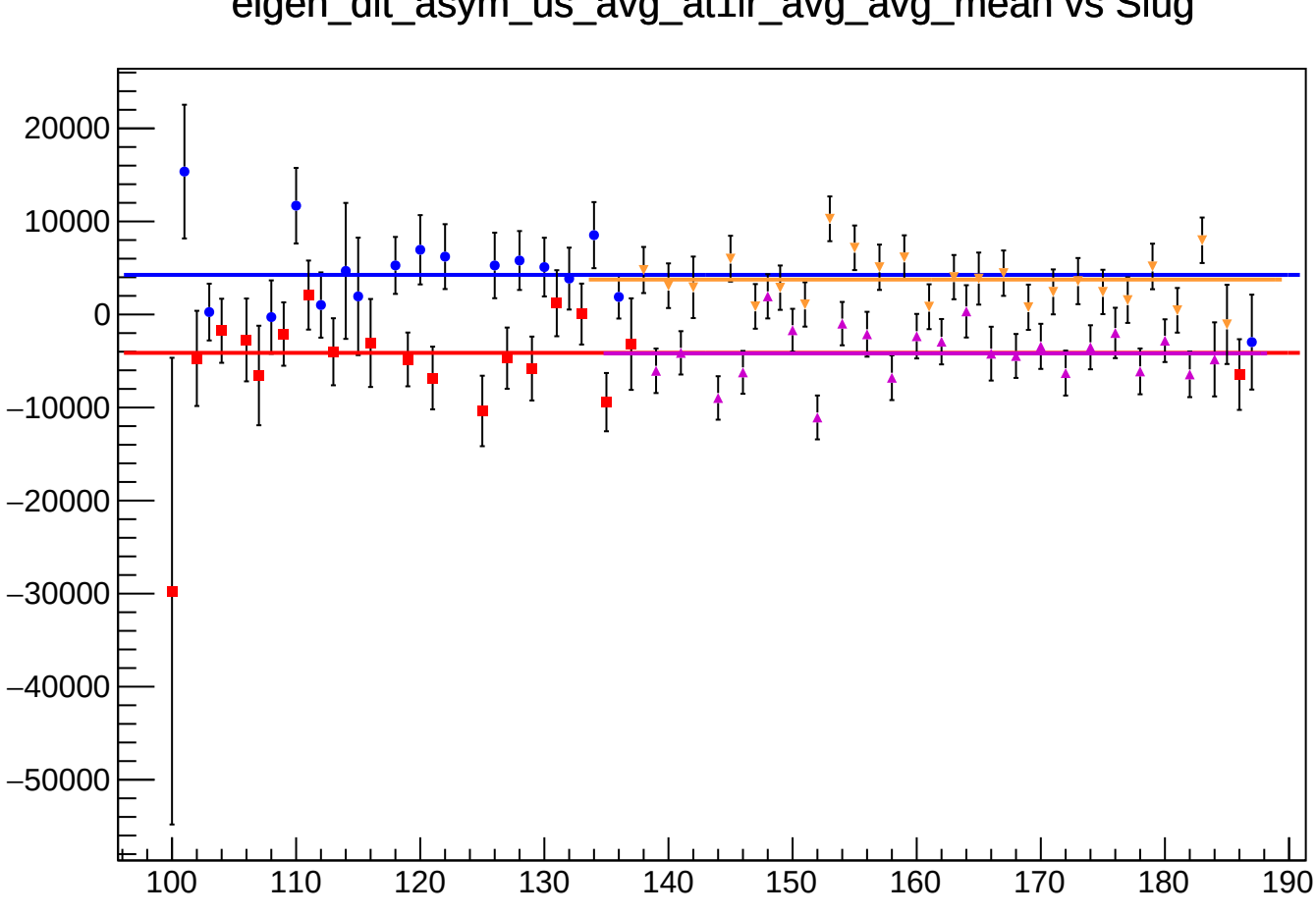
Right Out: 771.877+/-0.255 χ^2/NDF: 5980841.7/18

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1555.322+/-0.239 χ^2/NDF: 8793212.8/40

All: 1353.277+/-0.154 χ^2/NDF: 25747553.8/8

- sign 1208.720+/-0.202 χ^2/NDF: 15727125.5/41



Right In: 4258.292+/-873.009 χ^2/NDF: 15.6/16

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4123.970+/-866.932 χ^2/NDF: 15.9/18

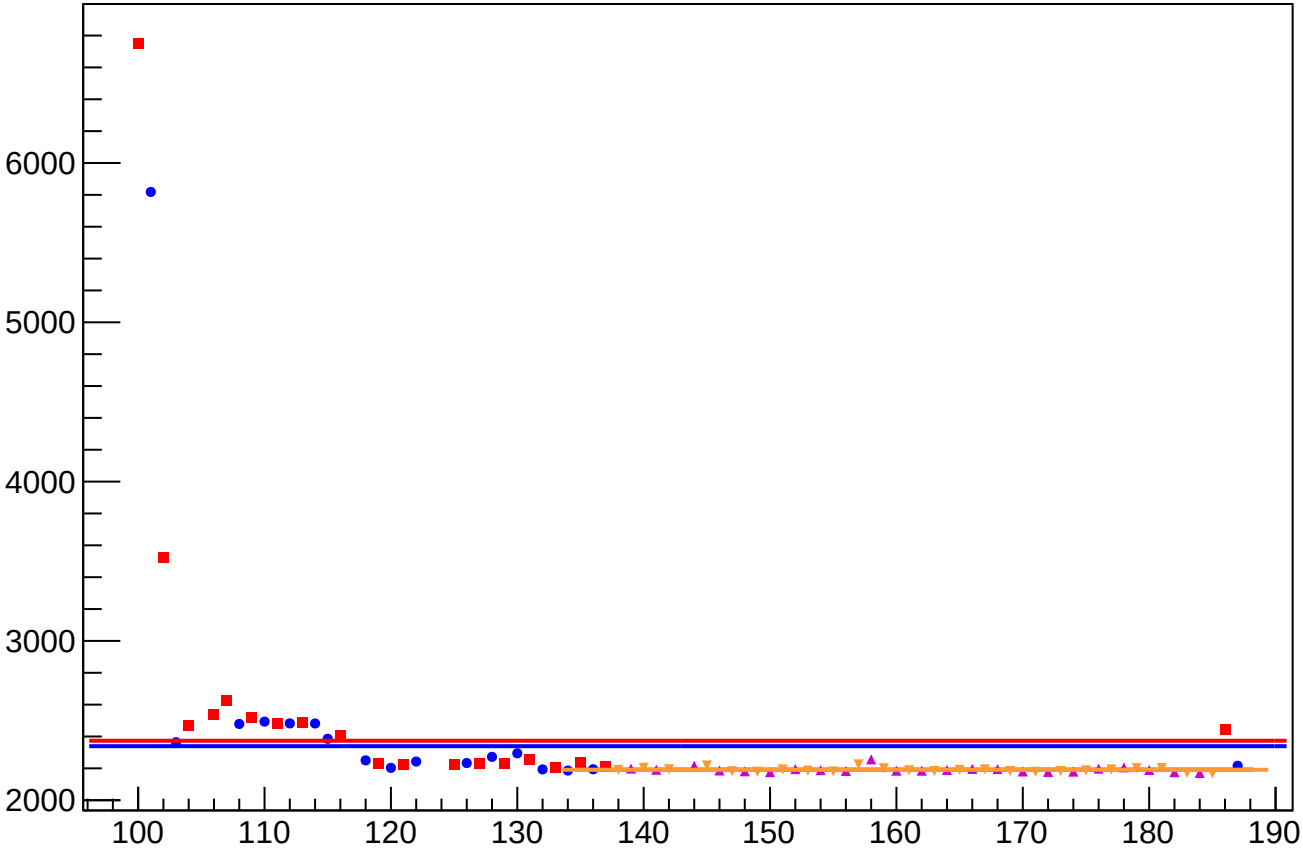
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3881.823+/-439.441 χ^2/NDF: 41.5/40

All: -131.263+/-311.200 χ^2/NDF: 257.4/82

- sign -4168.642+/-440.769 χ^2/NDF: 48.6/41

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2339.202+/-0.617 χ^2/NDF: 504064.1/16

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

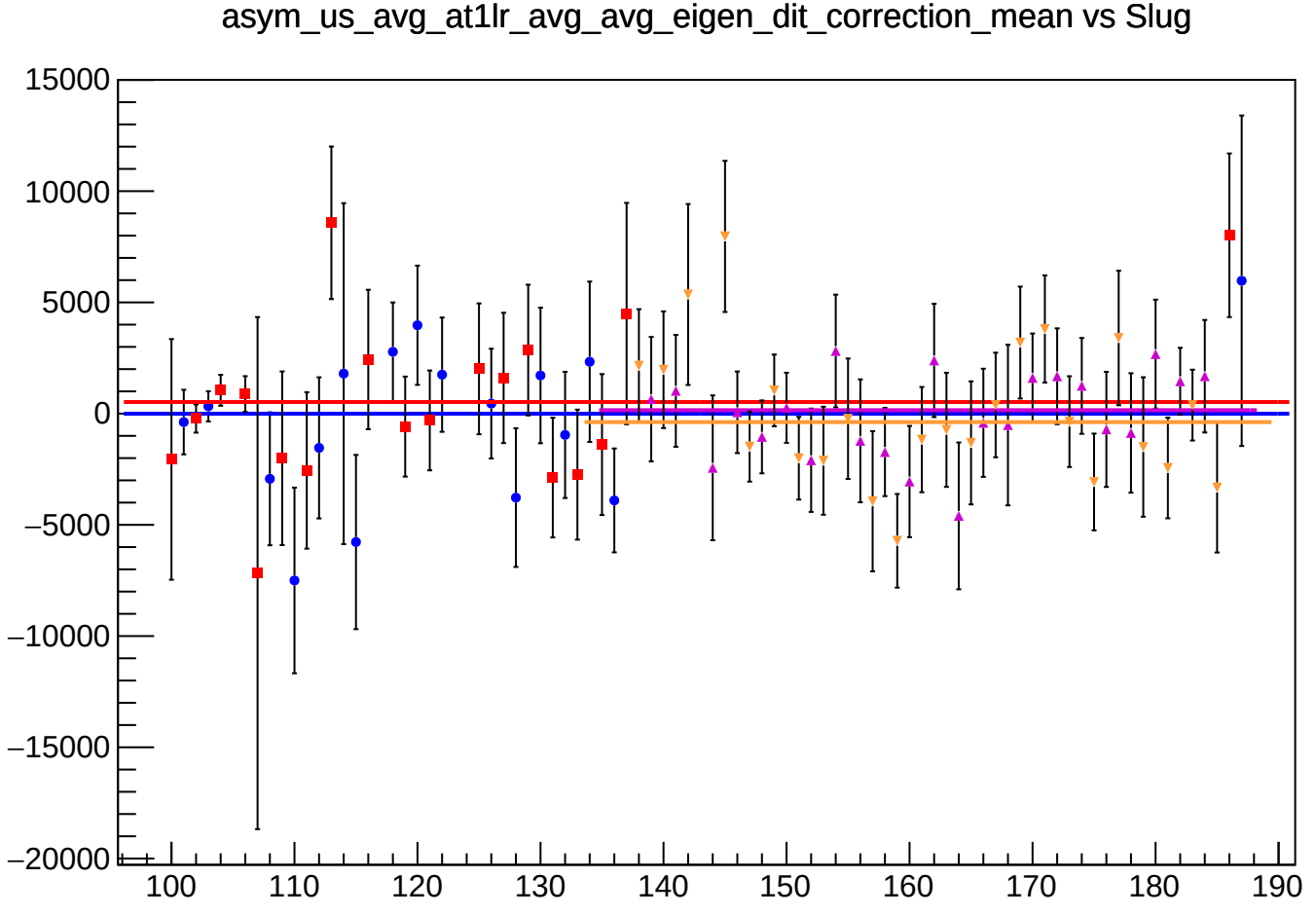
Right Out: 2373.406+/-0.613 χ^2/NDF: 210858.3/18

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2228.660+/-0.311 χ^2/NDF: 548240.9/40

All: 2233.835+/-0.220 χ^2/NDF: 826729.0/82

- sign 2239.042+/-0.312 χ^2/NDF: 277931.7/41



Right In: -5.876+/-484.298 χ^2/NDF: 17.0/16

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

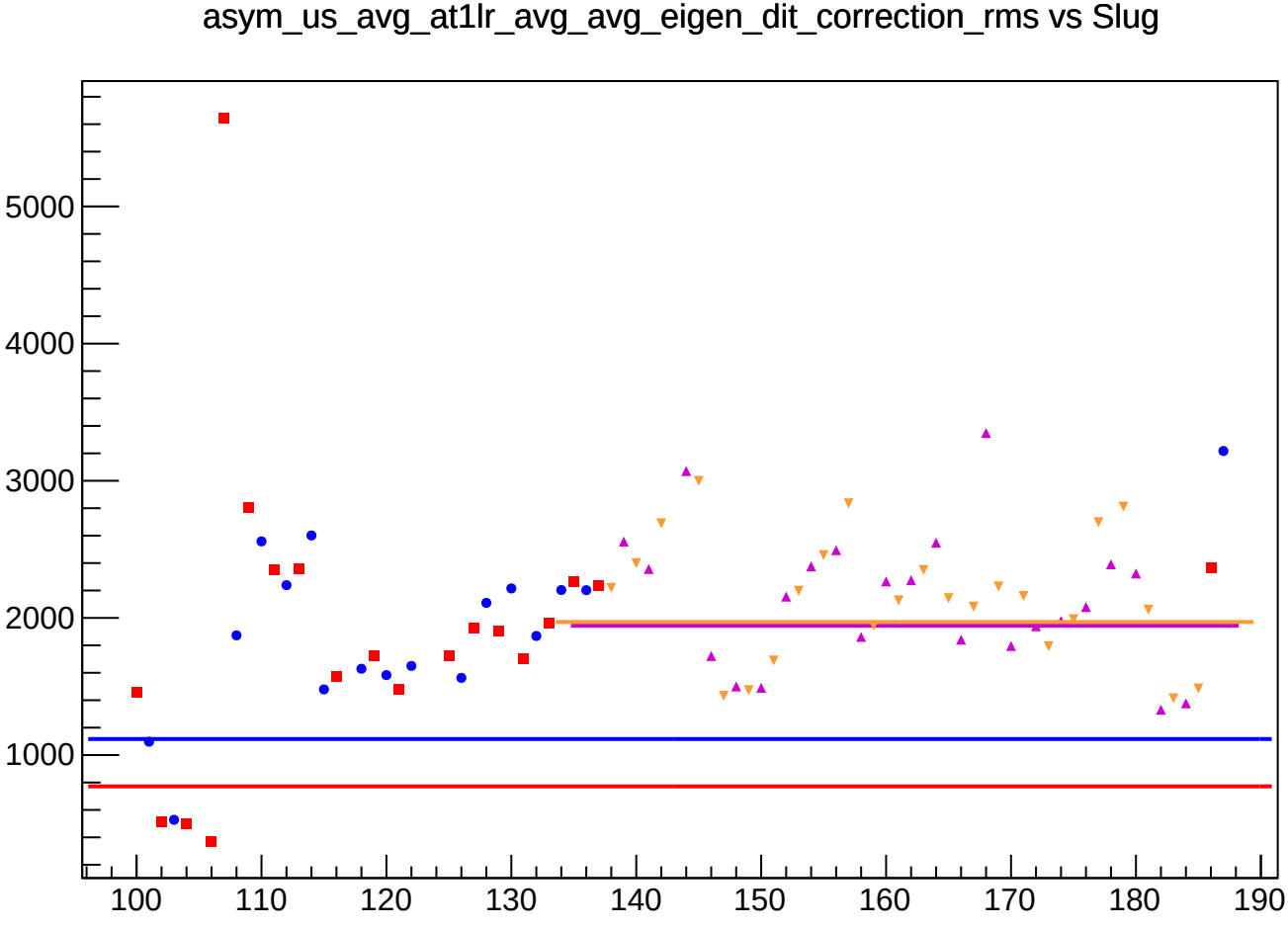
Right Out: 521.139+/-360.825 χ^2/NDF: 19.3/18

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -198.207+/-337.828 χ^2/NDF: 48.0/40

All: 141.442+/-218.173 χ^2/NDF: 82.3/82

- sign 384.454+/-285.755 χ^2/NDF: 32.5/41



Right In: 1117.114+/-0.342 χ^2/NDF: 3906939.3/16

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 771.893+/-0.255 χ^2/NDF: 5980717.8/18

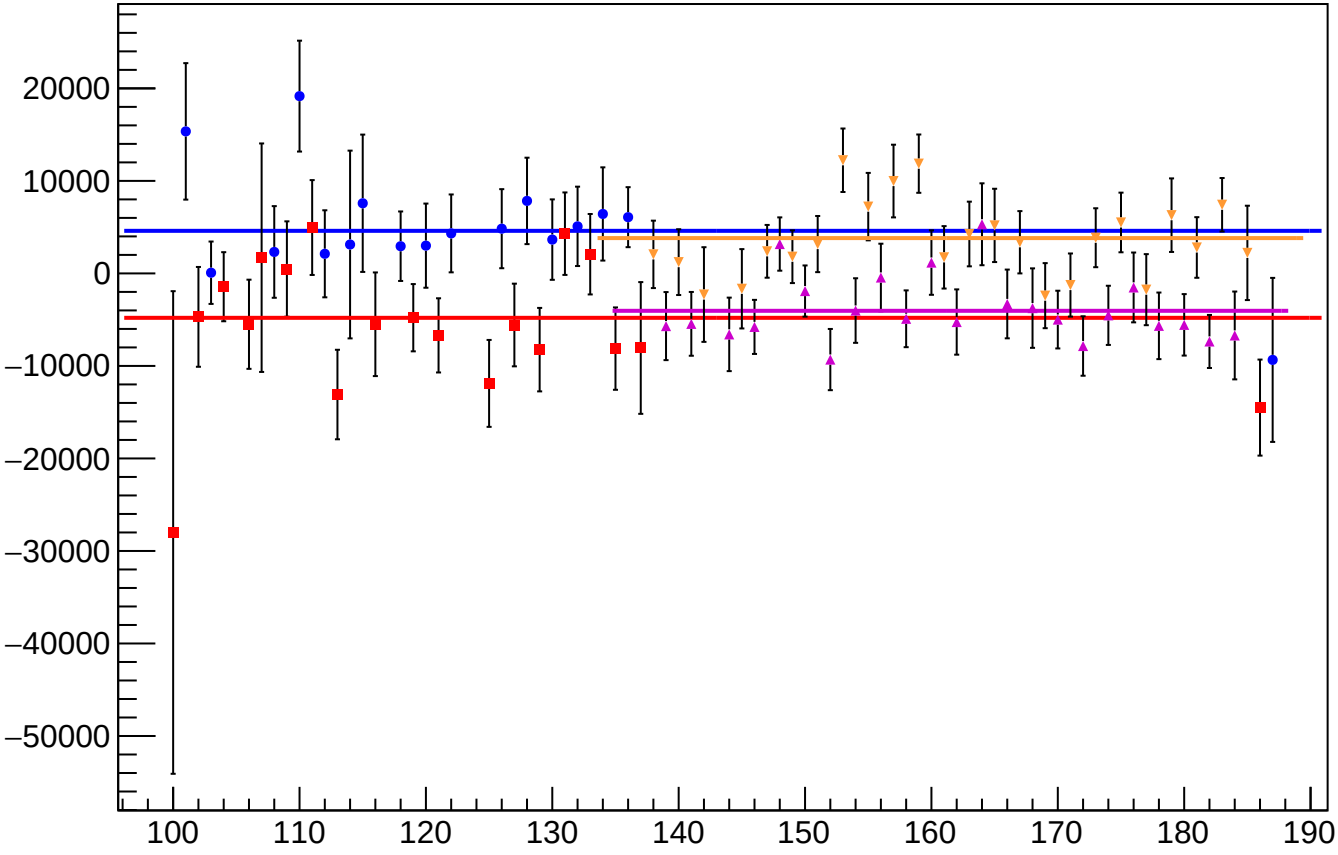
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1555.330+/-0.239 χ^2/NDF: 8793066.0/40

All: 1353.292+/-0.154 χ^2/NDF: 25746952.0/8

- sign 1208.737+/-0.202 χ^2/NDF: 15726747.7/41

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4602.082+/-1133.162 χ^2/NDF: 14.2/16

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -4800.423+/-1117.691 χ^2/NDF: 23.6/18

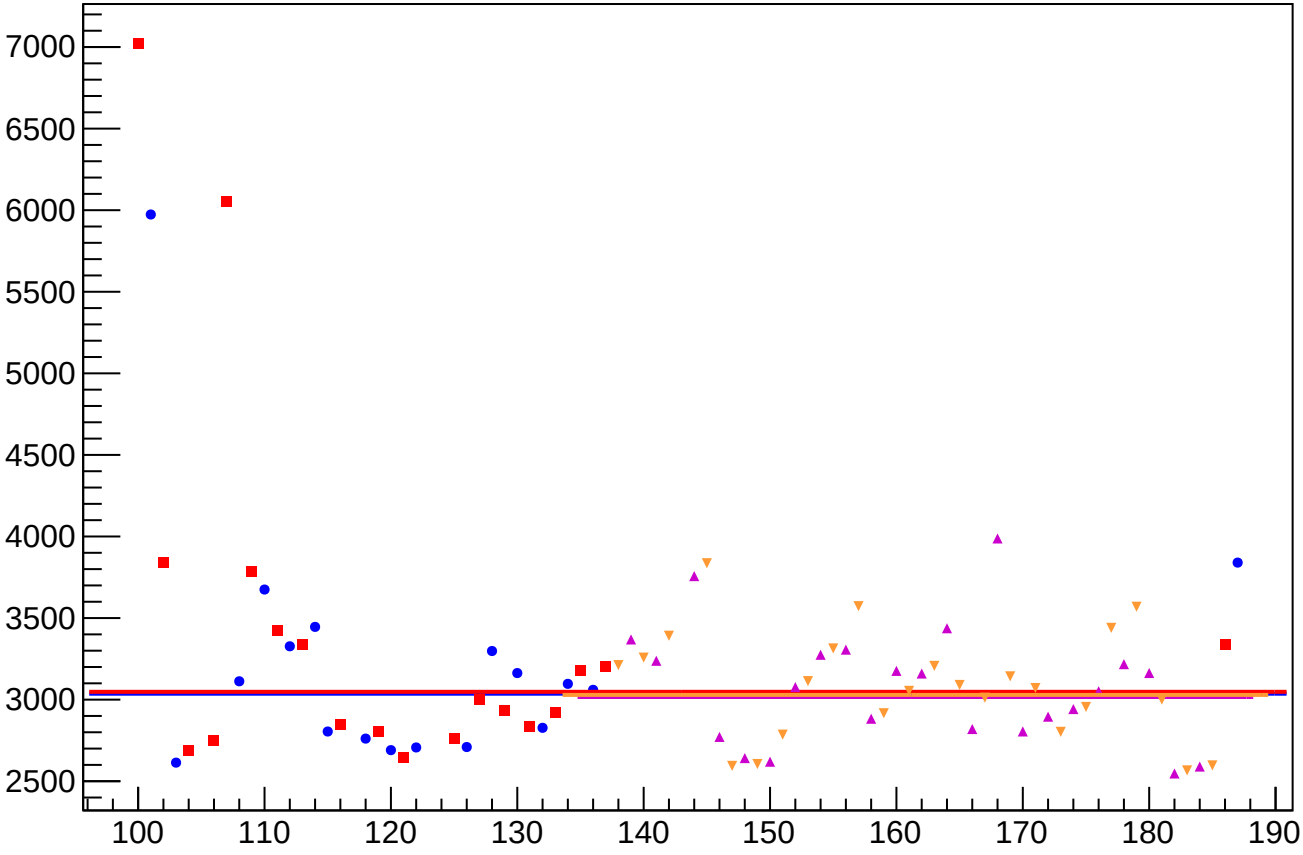
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4038.169+/-600.627 χ^2/NDF: 45.4/40

All: -121.923+/-424.148 χ^2/NDF: 187.5/82

- sign -4260.168+/-599.048 χ^2/NDF: 46.4/41

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3036.416+/-0.801 χ^2/NDF: 460411.0/16

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

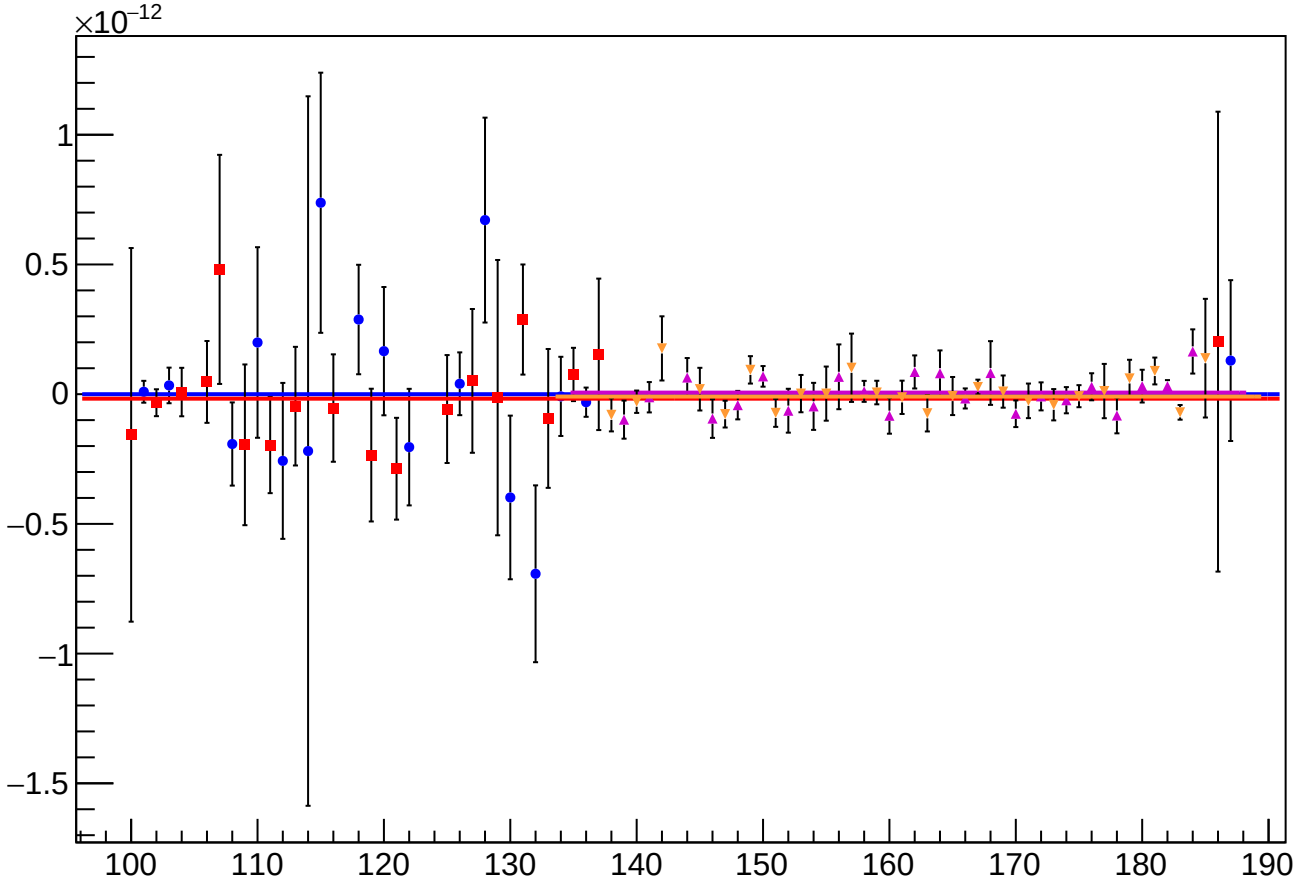
Right Out: 3047.975+/-0.790 χ^2/NDF: 349226.7/18

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

\+ sign 3031.071+/-0.425 χ^2/NDF: 857584.1/40

All: 3028.210+/-0.300 χ^2/NDF: 1647947.5/82

\- sign 3025.365+/-0.424 χ^2/NDF: 790272.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

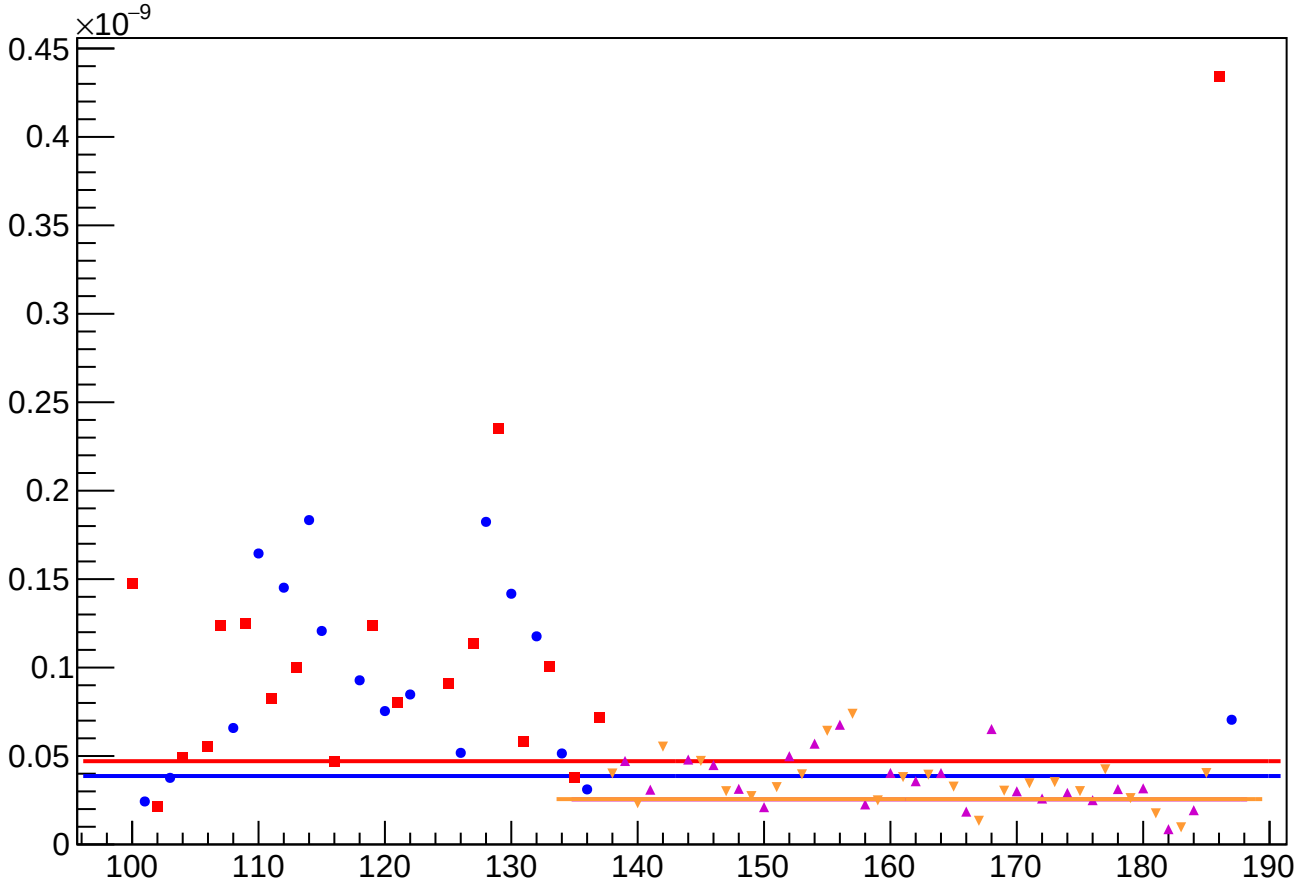
Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.6/40

All: -0.000+/-0.000 χ^2/NDF: 74.9/82

- sign 0.000+/-0.000 χ^2/NDF: 32.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 1792614.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

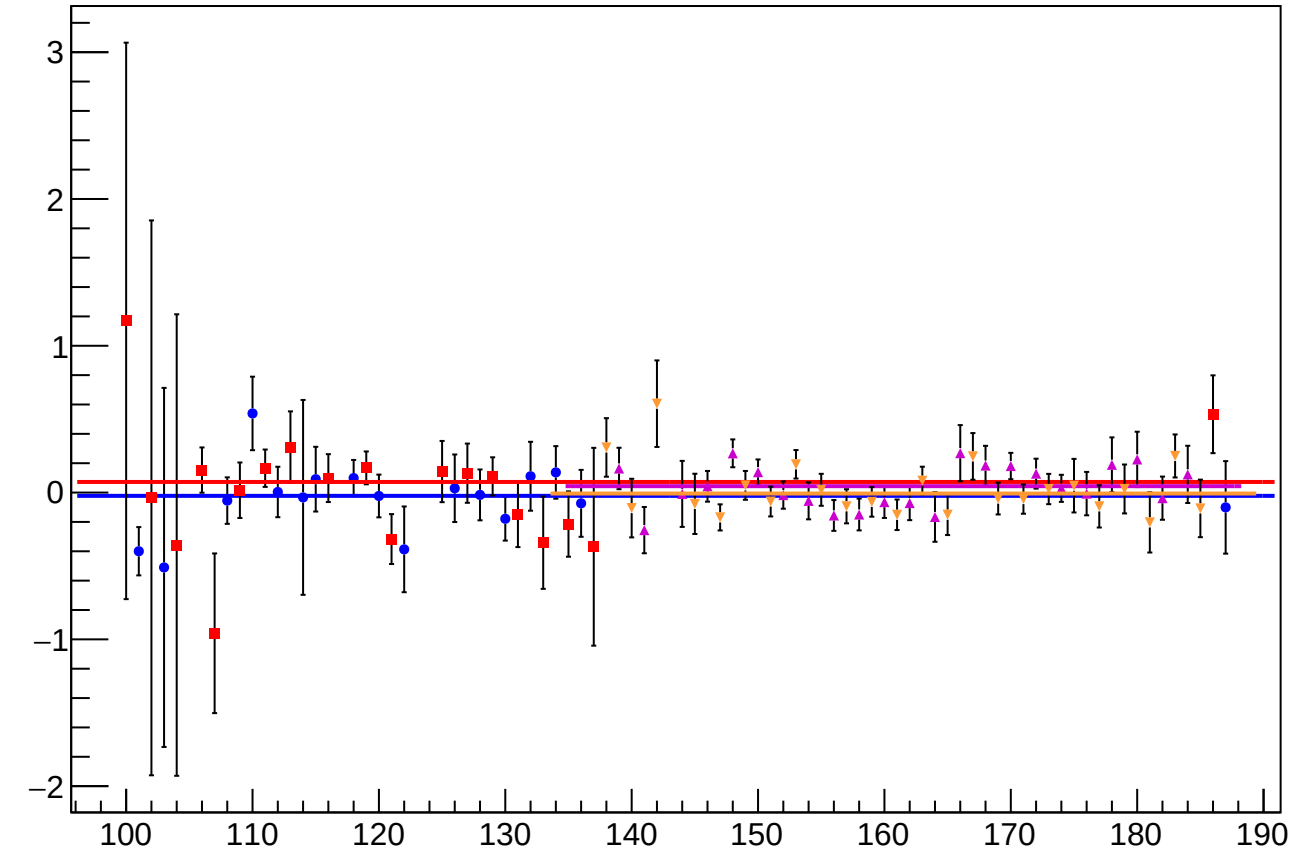
Right Out: 0.000+/-0.000 χ^2/NDF: 2078732.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4628777.8/40

All: 0.000+/-0.000 χ^2/NDF: 10226339.1/82

- sign 0.000+/-0.000 χ^2/NDF: 5597561.2/41



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

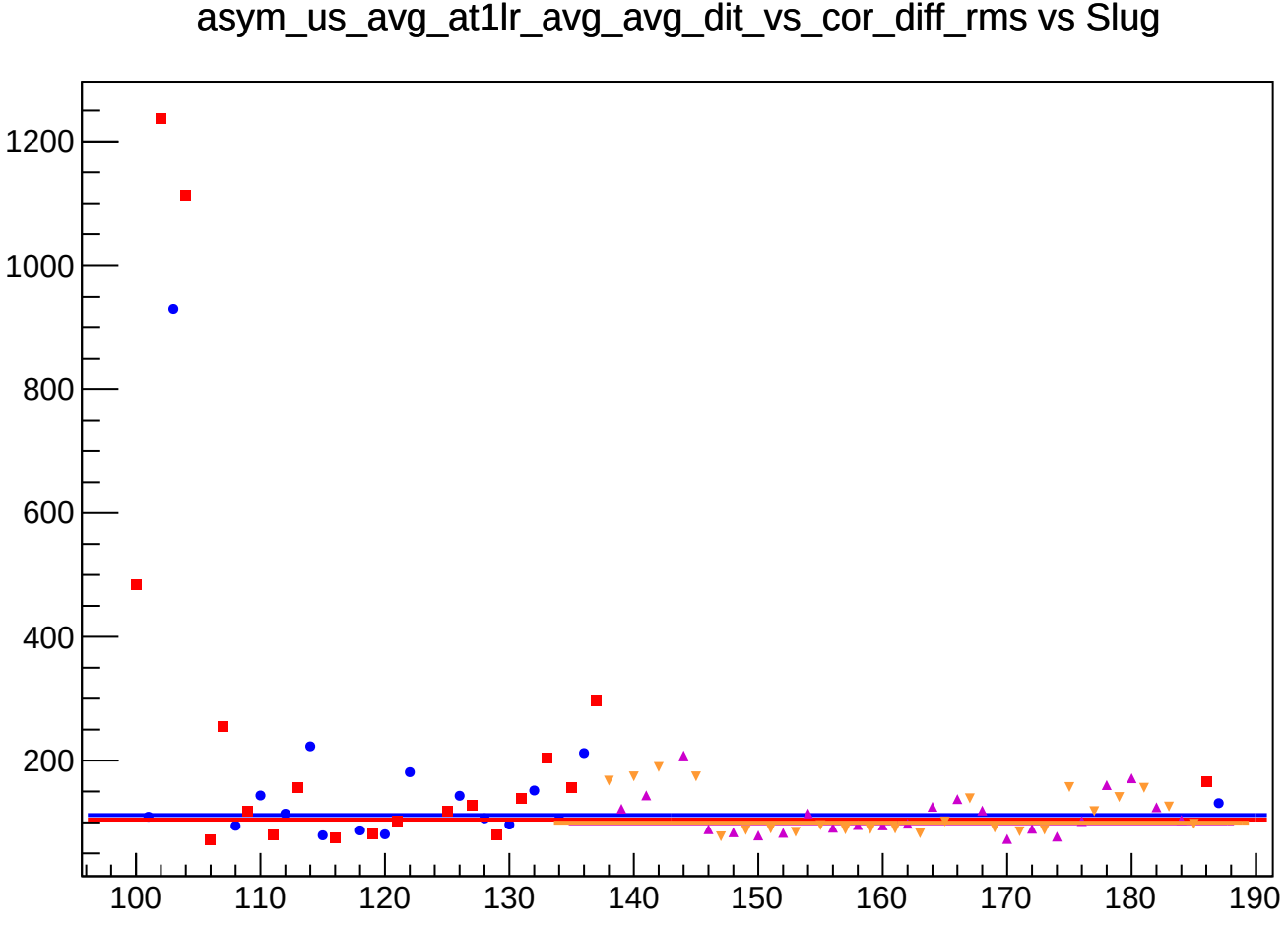
Right Out: 0.072+/-0.046 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.5/40

All: 0.020+/-0.016 χ^2/NDF: 97.7/82

- sign 0.050+/-0.022 χ^2/NDF: 50.5/41



Right In: 111.847+/-0.033 χ^2/NDF: 1847009.9/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

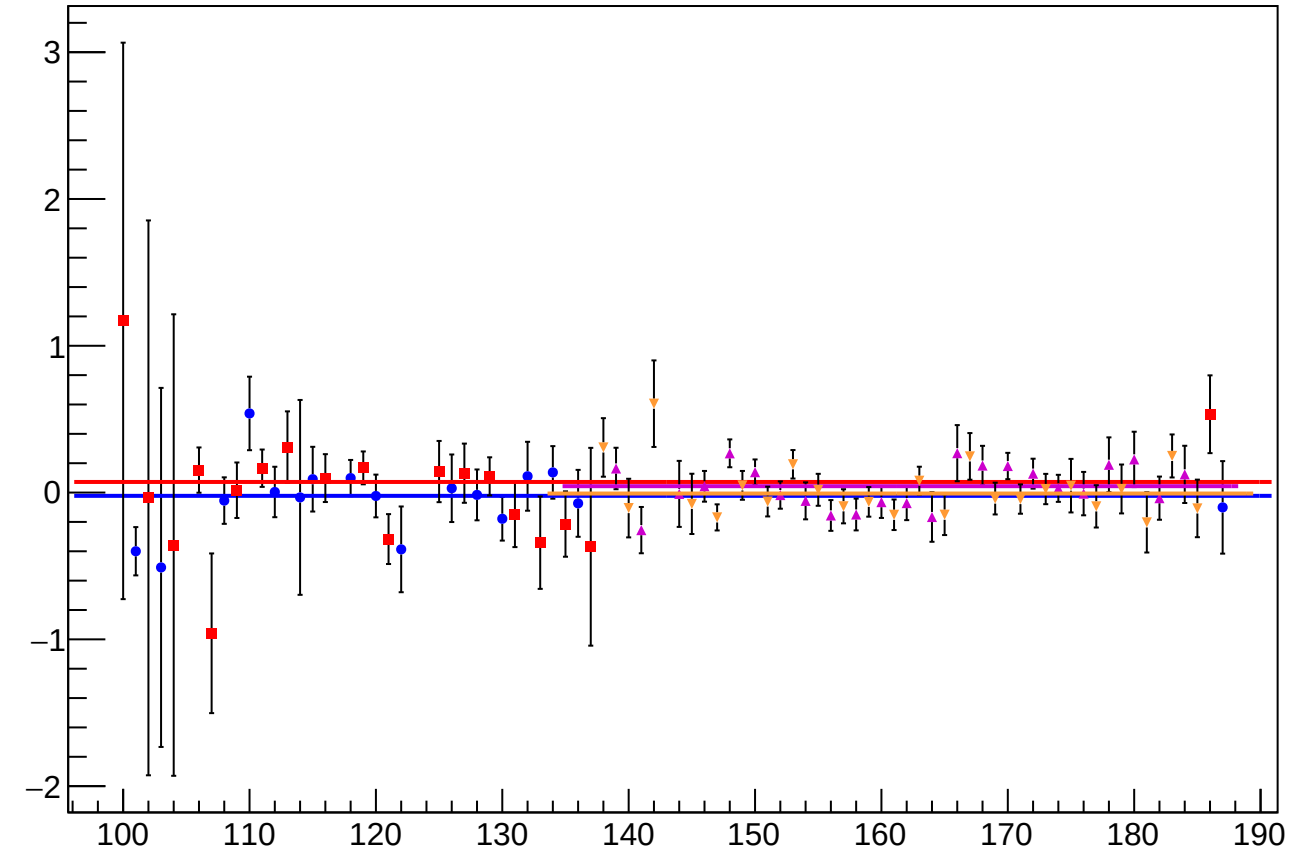
Right Out: 104.544+/-0.032 χ^2/NDF: 2936134.2/18

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.338+/-0.016 χ^2/NDF: 4023095.3/40

All: 101.166+/-0.011 χ^2/NDF: 8998897.9/82

- sign 100.027+/-0.016 χ^2/NDF: 4964901.2/41



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

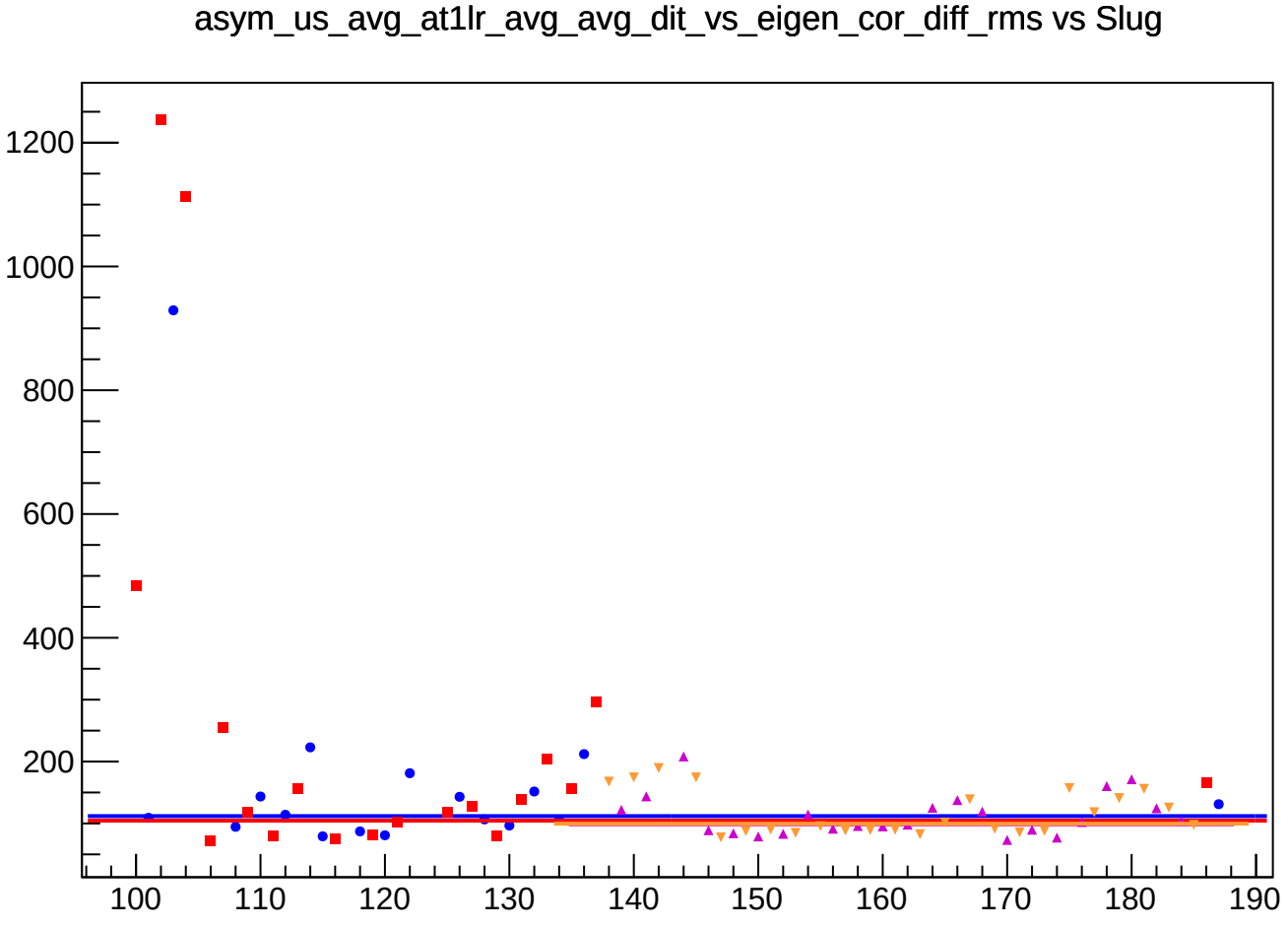
Right Out: 0.072+/-0.046 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.5/40

All: 0.020+/-0.016 χ^2/NDF: 97.7/82

- sign 0.050+/-0.022 χ^2/NDF: 50.5/41



Right In: 111.847+/-0.033 χ^2/NDF: 1847009.9/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

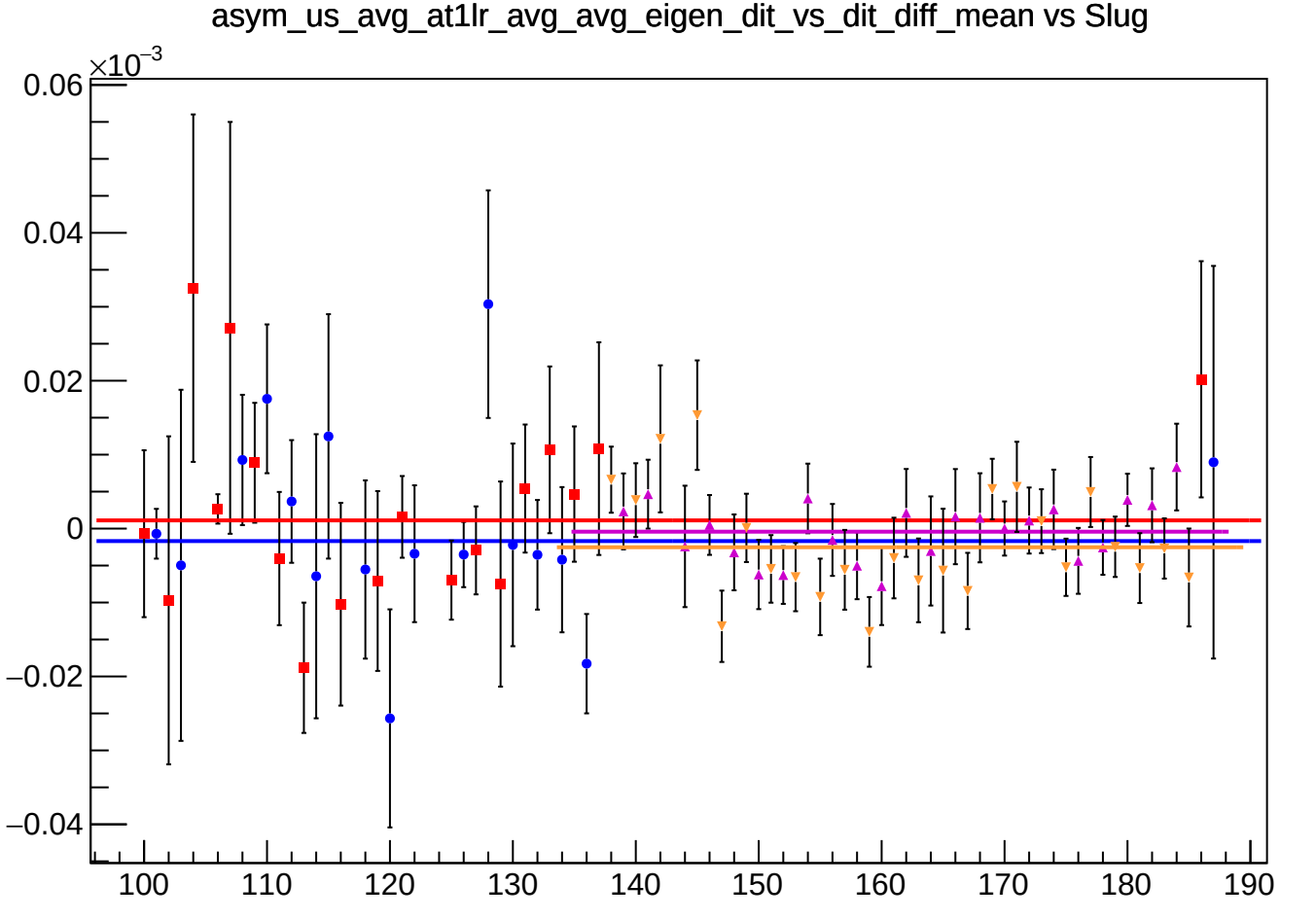
Right Out: 104.544+/-0.032 χ^2/NDF: 2936134.2/18

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.338+/-0.016 χ^2/NDF: 4023095.3/40

All: 101.166+/-0.011 χ^2/NDF: 8998897.9/82

- sign 100.027+/-0.016 χ^2/NDF: 4964901.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

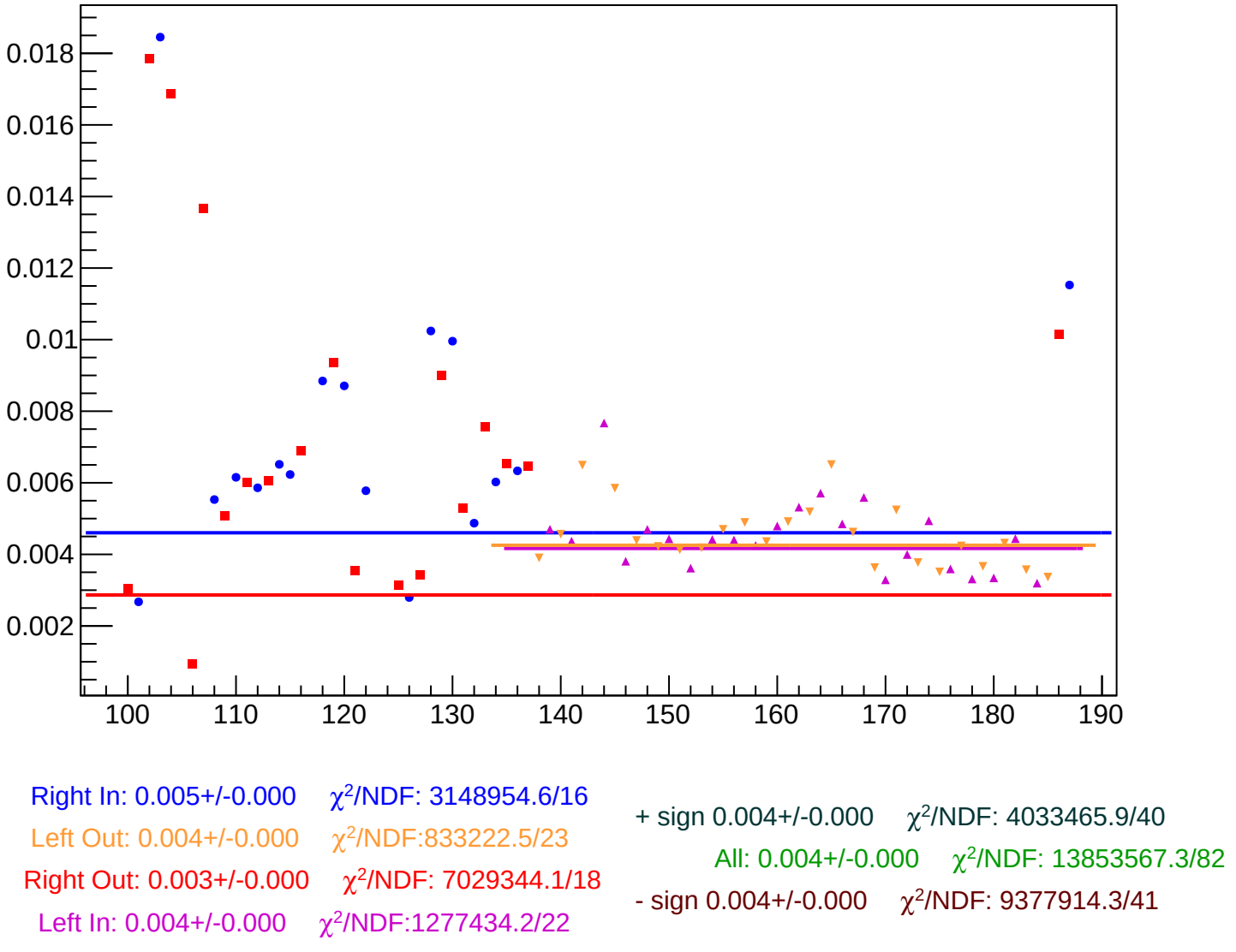
Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/18

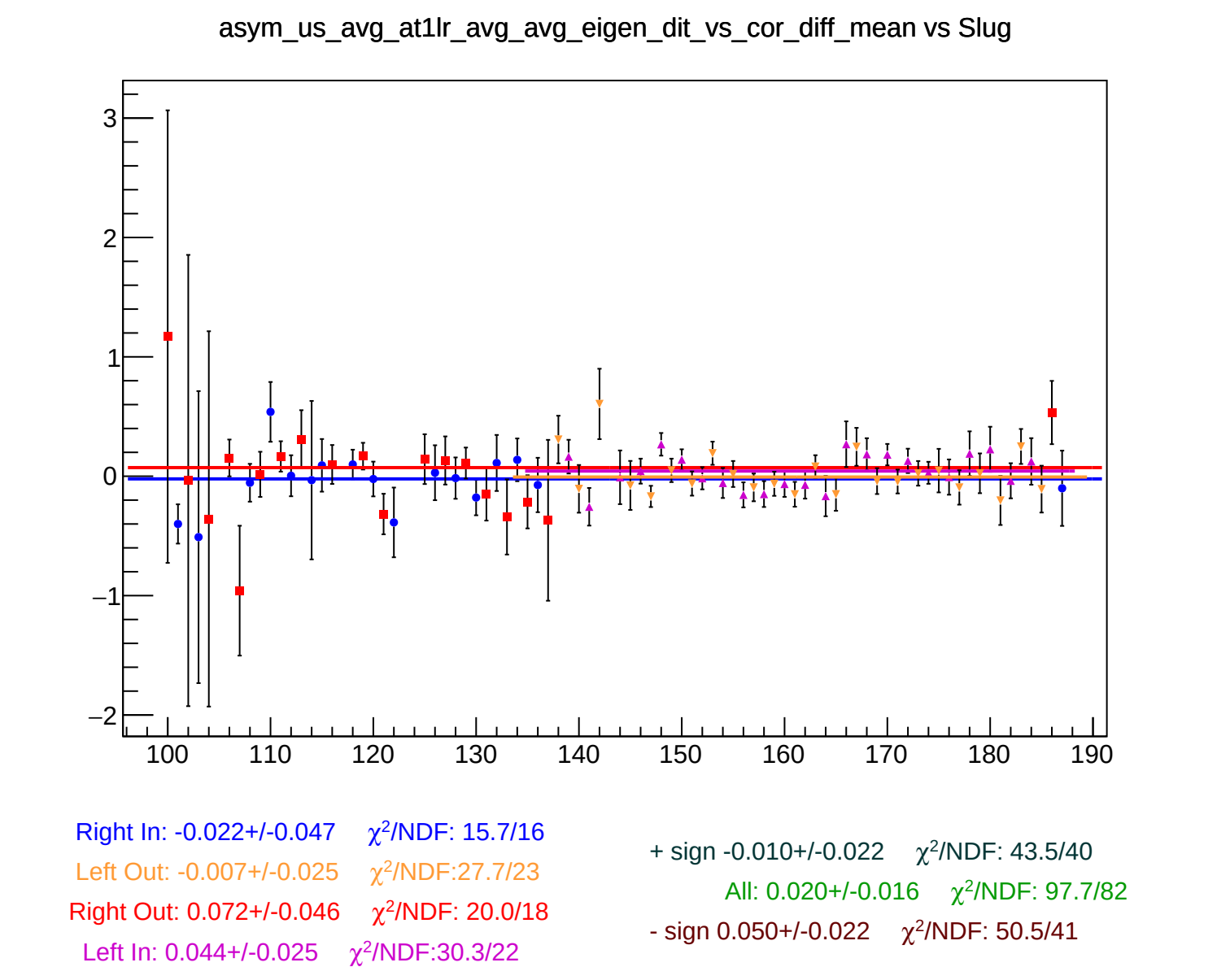
Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

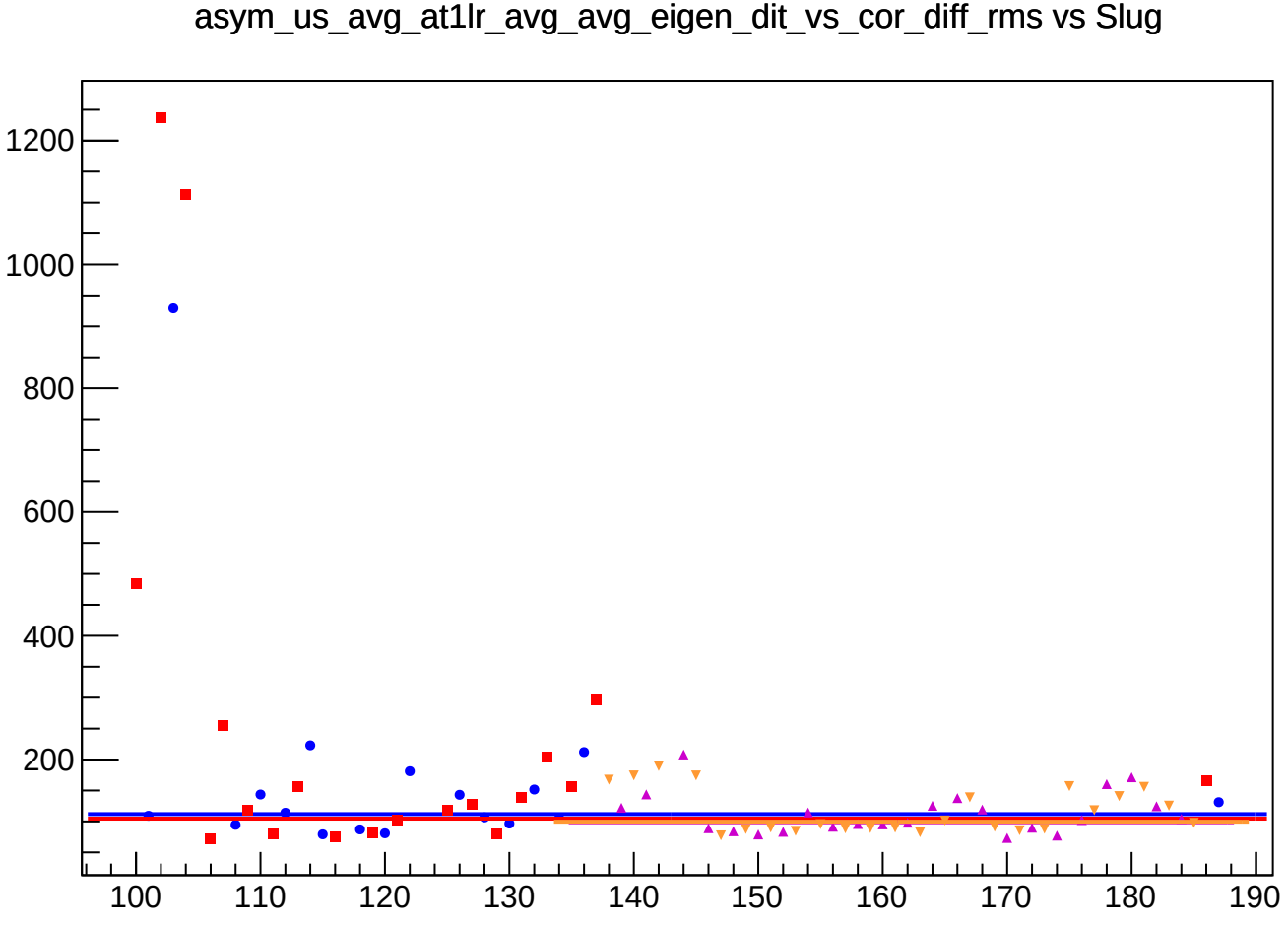
+ sign -0.000+/-0.000 χ^2/NDF: 60.5/40

All: -0.000+/-0.000 χ^2/NDF: 98.2/82

- sign 0.000+/-0.000 χ^2/NDF: 33.8/41


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.005+/-0.000 χ²/NDF: 3148954.6/16
Left Out: 0.004+/-0.000 χ²/NDF:833222.5/23
Right Out: 0.003+/-0.000 χ²/NDF: 7029344.1/18
Left In: 0.004+/-0.000 χ²/NDF:1277434.2/22
+ sign 0.004+/-0.000 χ²/NDF: 4033465.9/40
All: 0.004+/-0.000 χ²/NDF: 13853567.3/82
- sign 0.004+/-0.000 χ²/NDF: 9377914.3/41


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.022+/-0.047 χ²/NDF: 15.7/16
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.072+/-0.046 χ²/NDF: 20.0/18
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign -0.010+/-0.022 χ²/NDF: 43.5/40
All: 0.020+/-0.016 χ²/NDF: 97.7/82
- sign 0.050+/-0.022 χ²/NDF: 50.5/41



Right In: 111.844+/-0.033 χ^2/NDF: 1847063.8/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

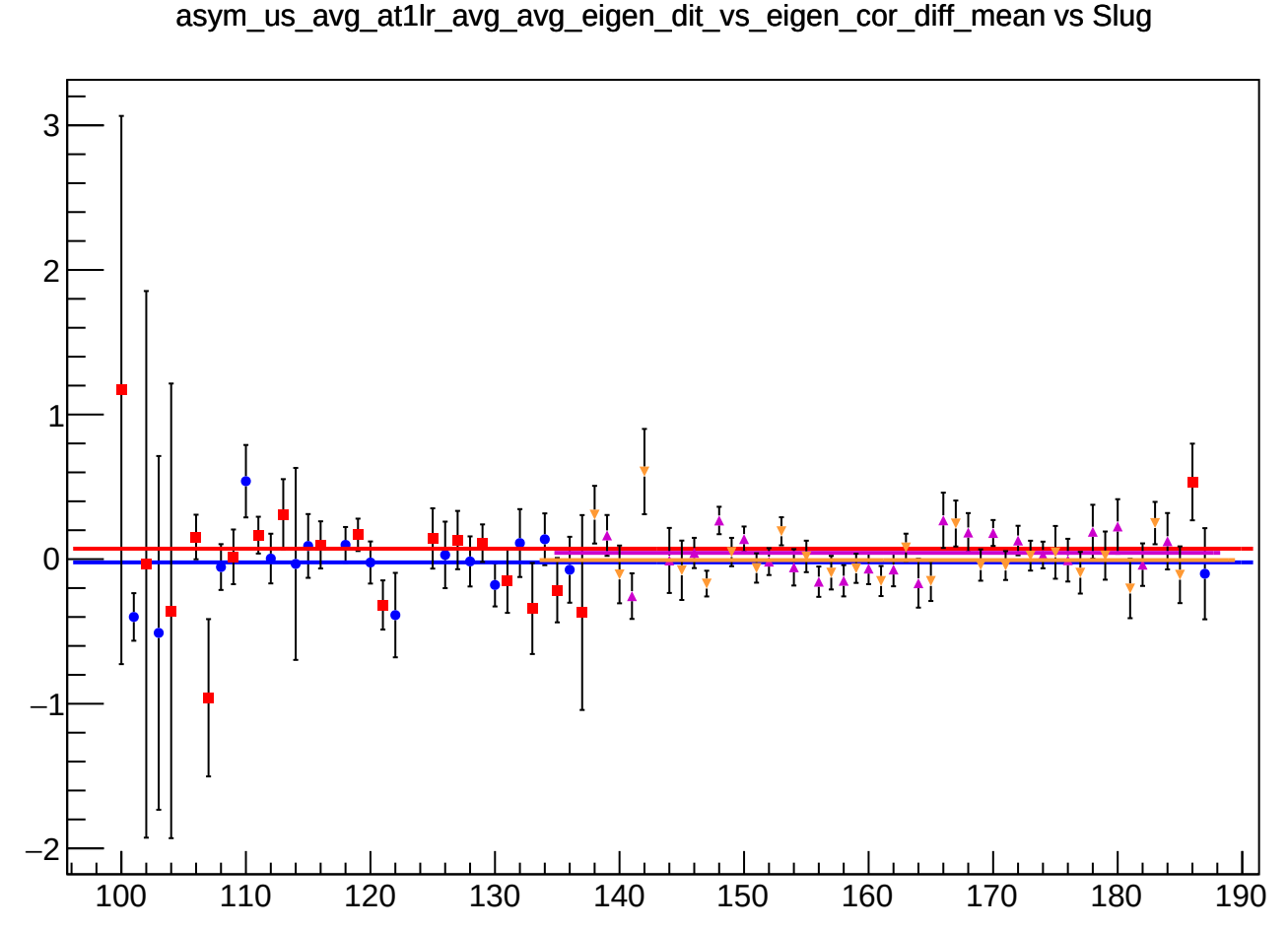
Right Out: 104.542+/-0.032 χ^2/NDF: 2936143.1/18

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.338+/-0.016 χ^2/NDF: 4023061.8/40

All: 101.166+/-0.011 χ^2/NDF: 8998825.2/82

- sign 100.027+/-0.016 χ^2/NDF: 4964861.1/41



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

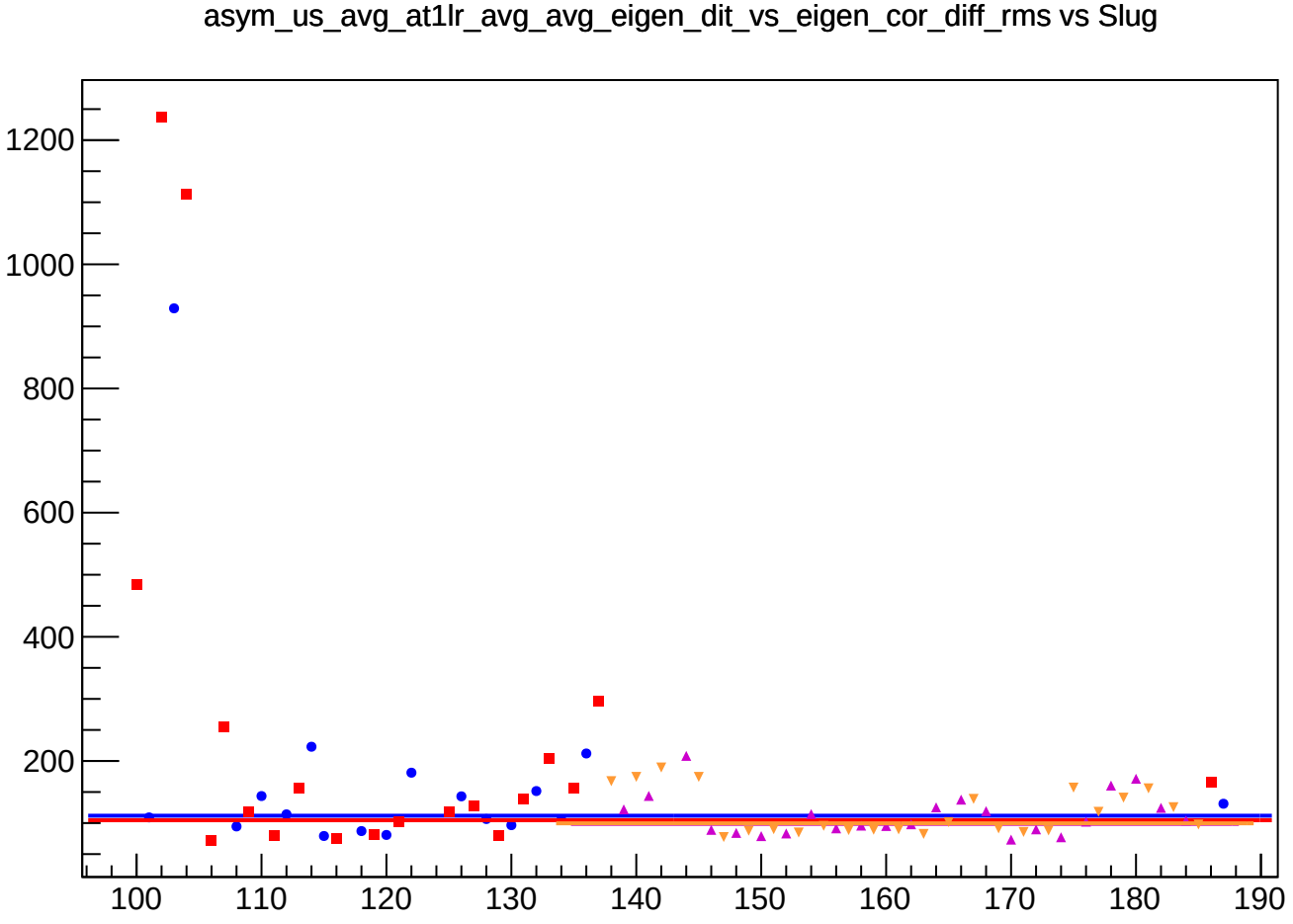
Right Out: 0.072+/-0.046 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign -0.010+/-0.022 χ^2/NDF: 43.5/40

All: 0.020+/-0.016 χ^2/NDF: 97.7/82

- sign 0.050+/-0.022 χ^2/NDF: 50.5/41



Right In: 111.844+/-0.033 χ^2/NDF: 1847063.8/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

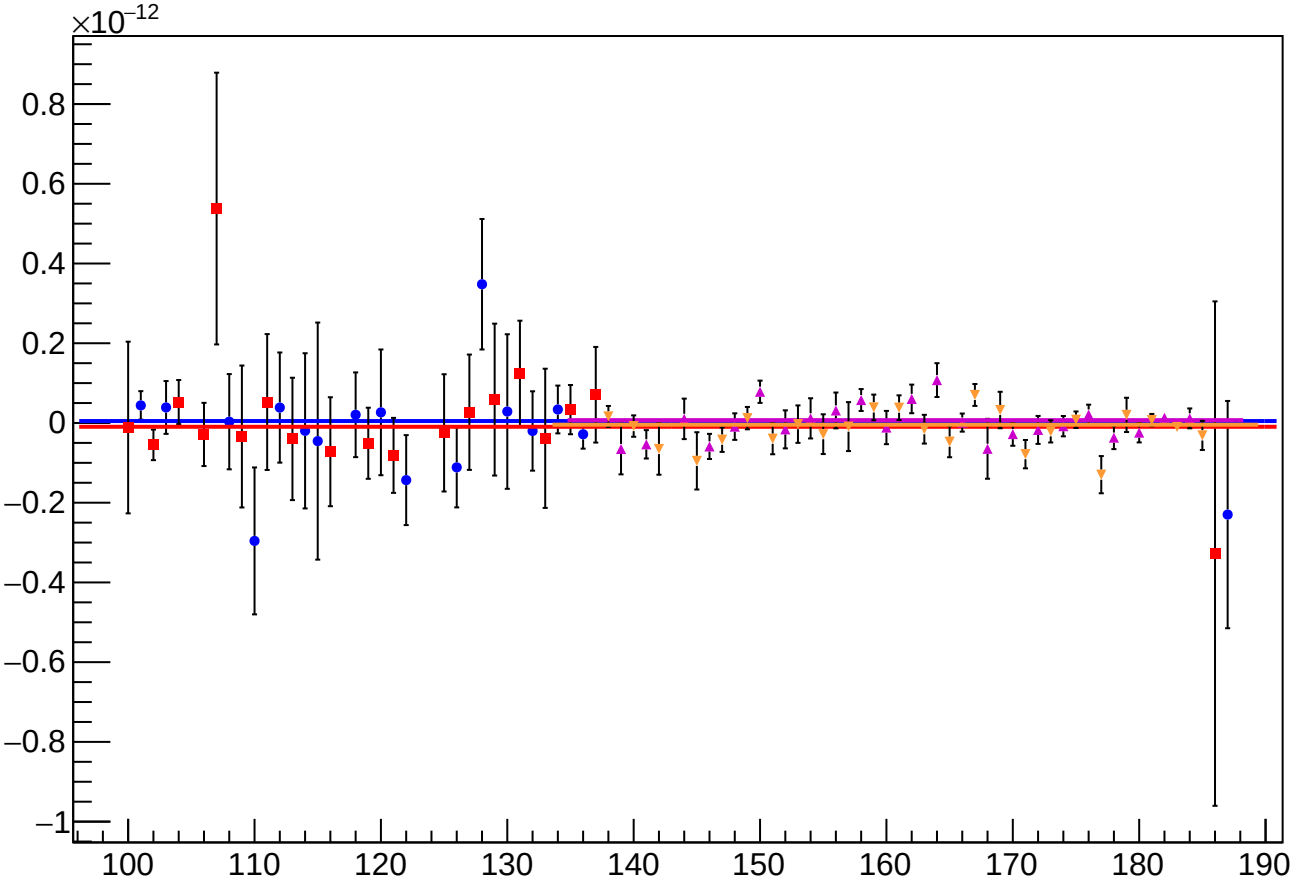
Right Out: 104.542+/-0.032 χ^2/NDF: 2936143.1/18

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.338+/-0.016 χ^2/NDF: 4023061.8/40

All: 101.166+/-0.011 χ^2/NDF: 8998825.2/82

- sign 100.027+/-0.016 χ^2/NDF: 4964861.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

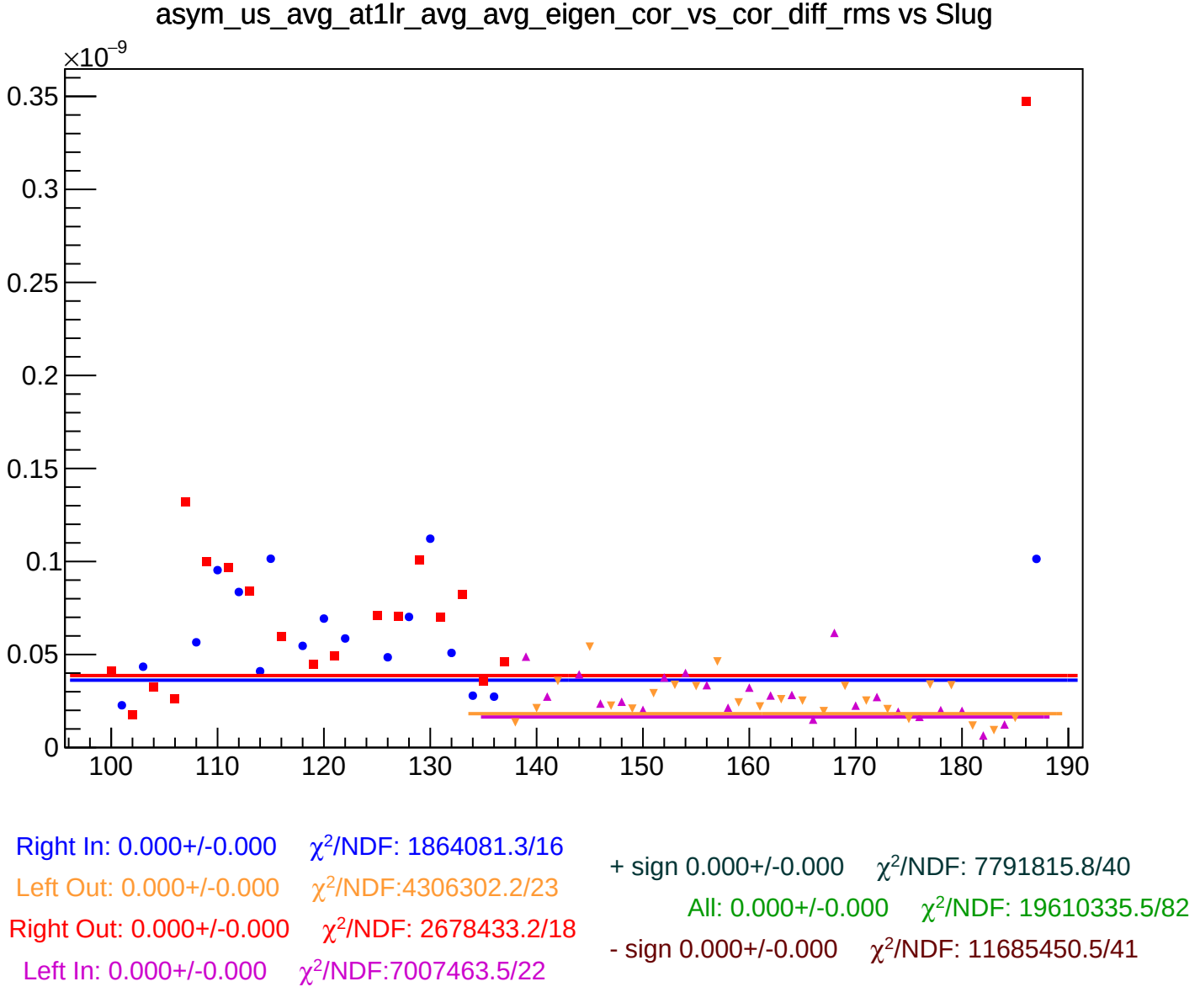
Right Out: -0.000+/-0.000 χ^2/NDF: 8.9/18

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

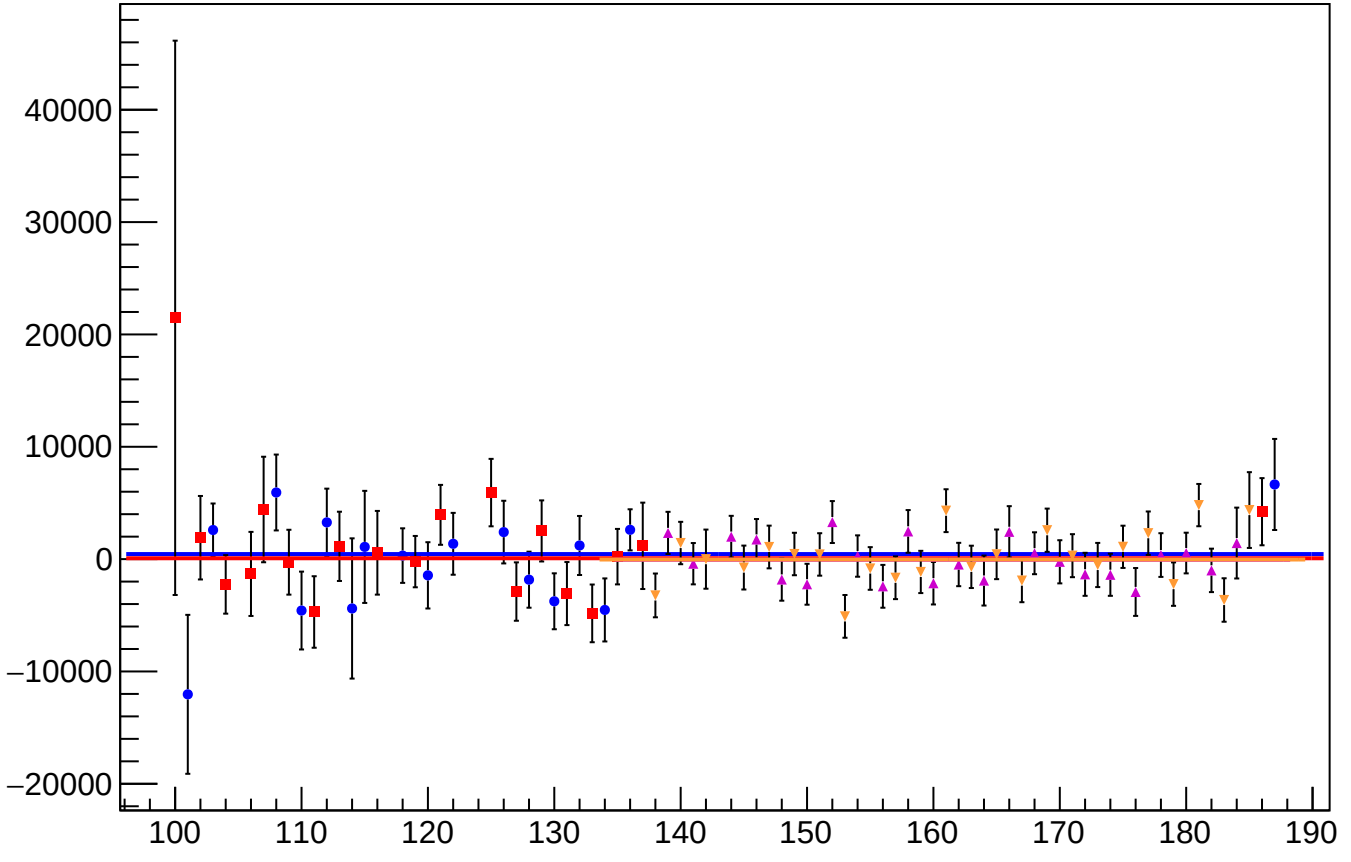
+ sign -0.000+/-0.000 χ^2/NDF: 46.7/40

All: 0.000+/-0.000 χ^2/NDF: 93.0/82

- sign 0.000+/-0.000 χ^2/NDF: 44.7/41


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1864081.3/16
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2678433.2/18
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
+ sign 0.000+/-0.000 χ²/NDF: 7791815.8/40
All: 0.000+/-0.000 χ²/NDF: 19610335.5/82
- sign 0.000+/-0.000 χ²/NDF: 11685450.5/41

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 449.442+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 76.102+/-692.907 χ^2/NDF: 20.1/18

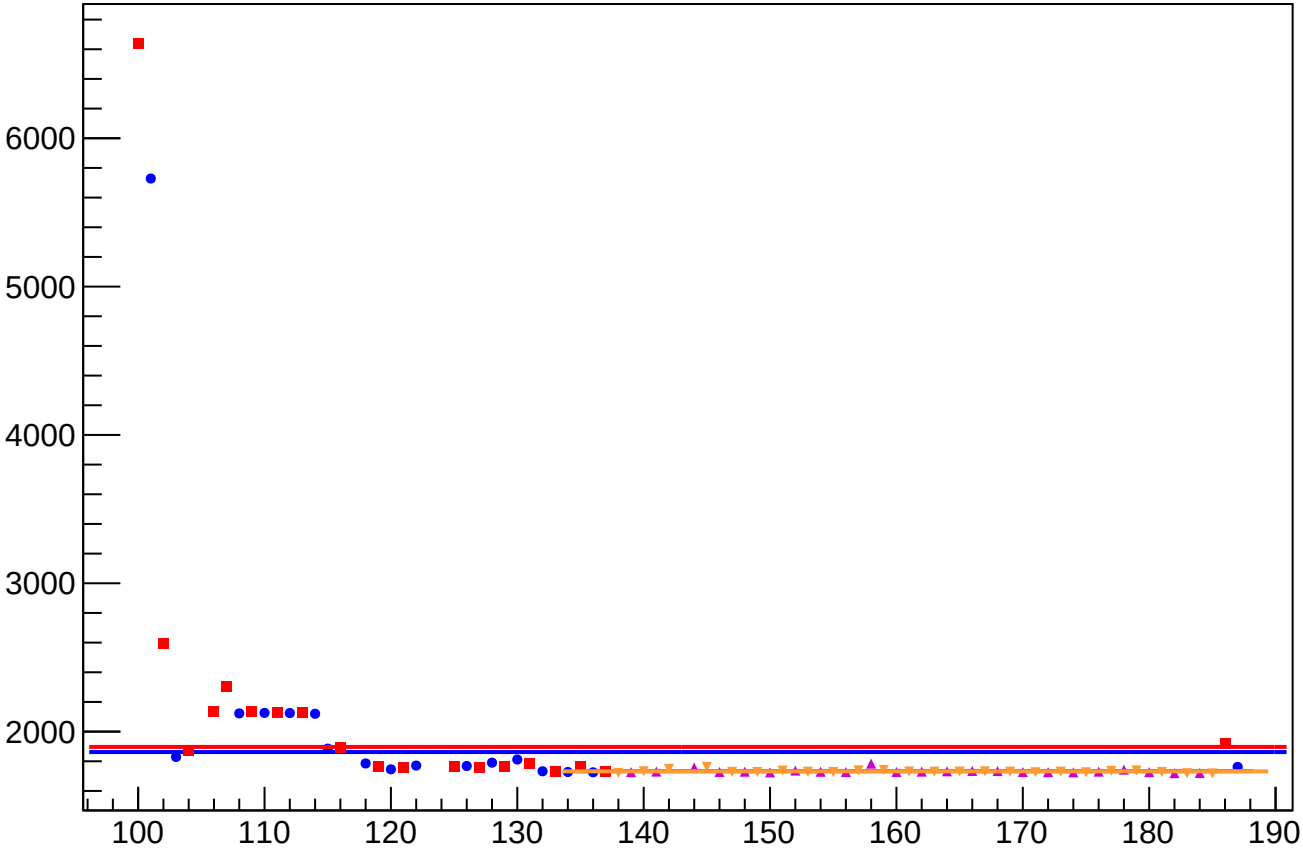
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 85.526+/-348.469 χ^2/NDF: 57.6/40

All: 32.908+/-246.755 χ^2/NDF: 97.2/82

- sign -20.010+/-349.462 χ^2/NDF: 39.5/41

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

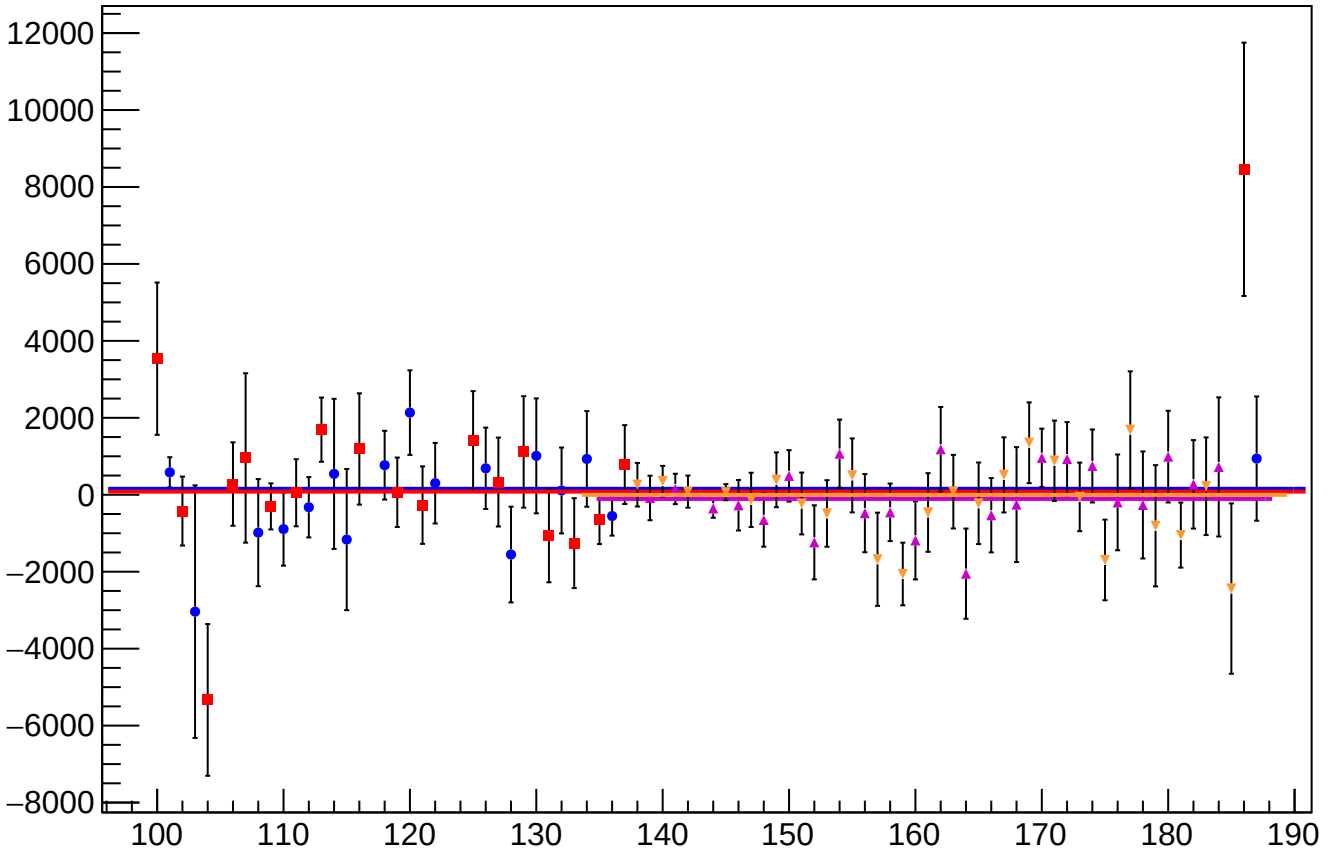
Right Out: 1896.724+/-0.490 χ^2/NDF: 250965.9/18

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.314+/-0.246 χ^2/NDF: 726990.6/40

All: 1769.582+/-0.174 χ^2/NDF: 1064042.6/82

- sign 1774.880+/-0.247 χ^2/NDF: 336135.3/41



Right In: 154.407+/-218.084 χ^2/NDF: 13.7/16

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

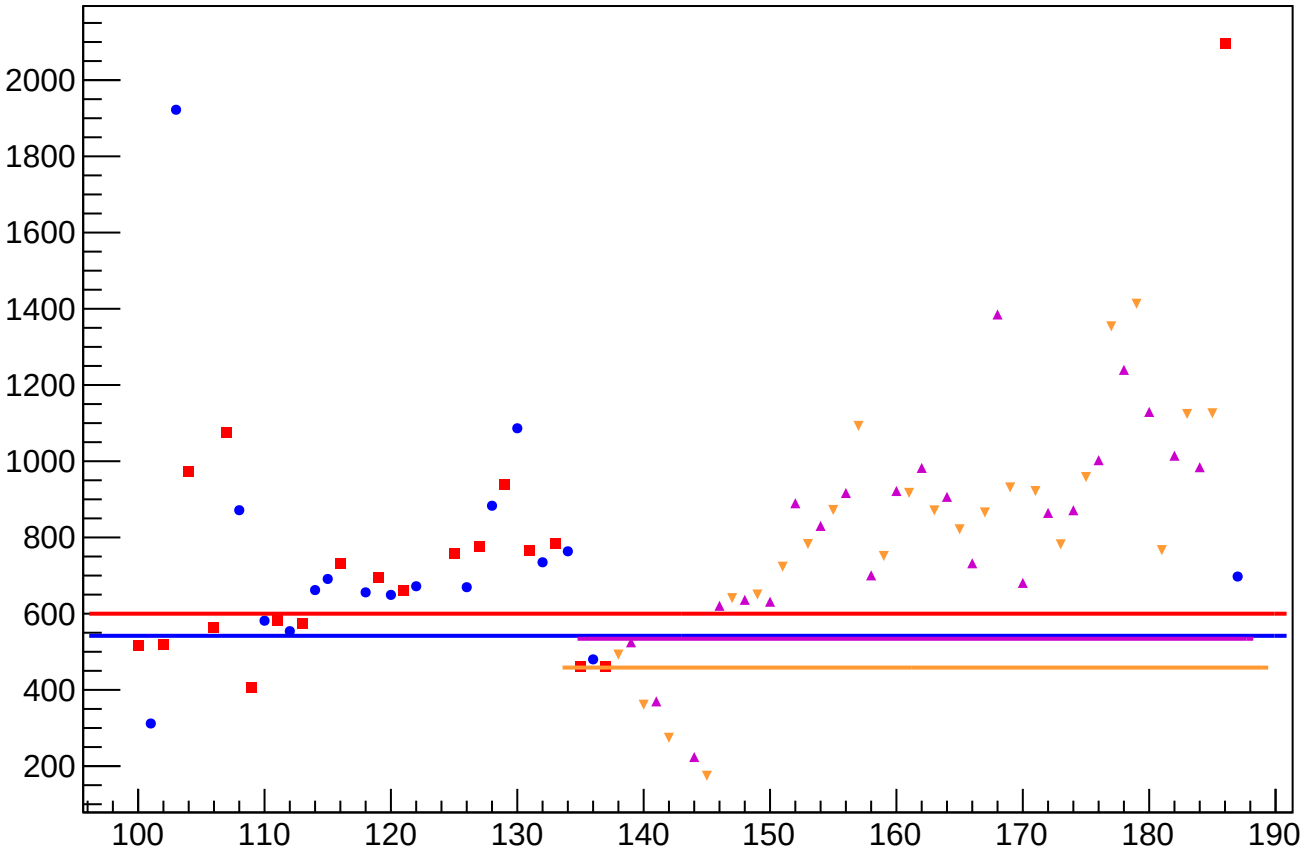
Right Out: 82.508+/-237.632 χ^2/NDF: 27.9/18

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

\+ sign 38.731+/-111.698 χ^2/NDF: 34.4/40

All: -4.856+/-82.606 χ^2/NDF: 80.1/82

\- sign -57.472+/-122.723 χ^2/NDF: 45.4/41



Right In: 541.906+/-0.154 χ^2/NDF: 1873477.2/16

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 599.938+/-0.168 χ^2/NDF: 1258288.4/18

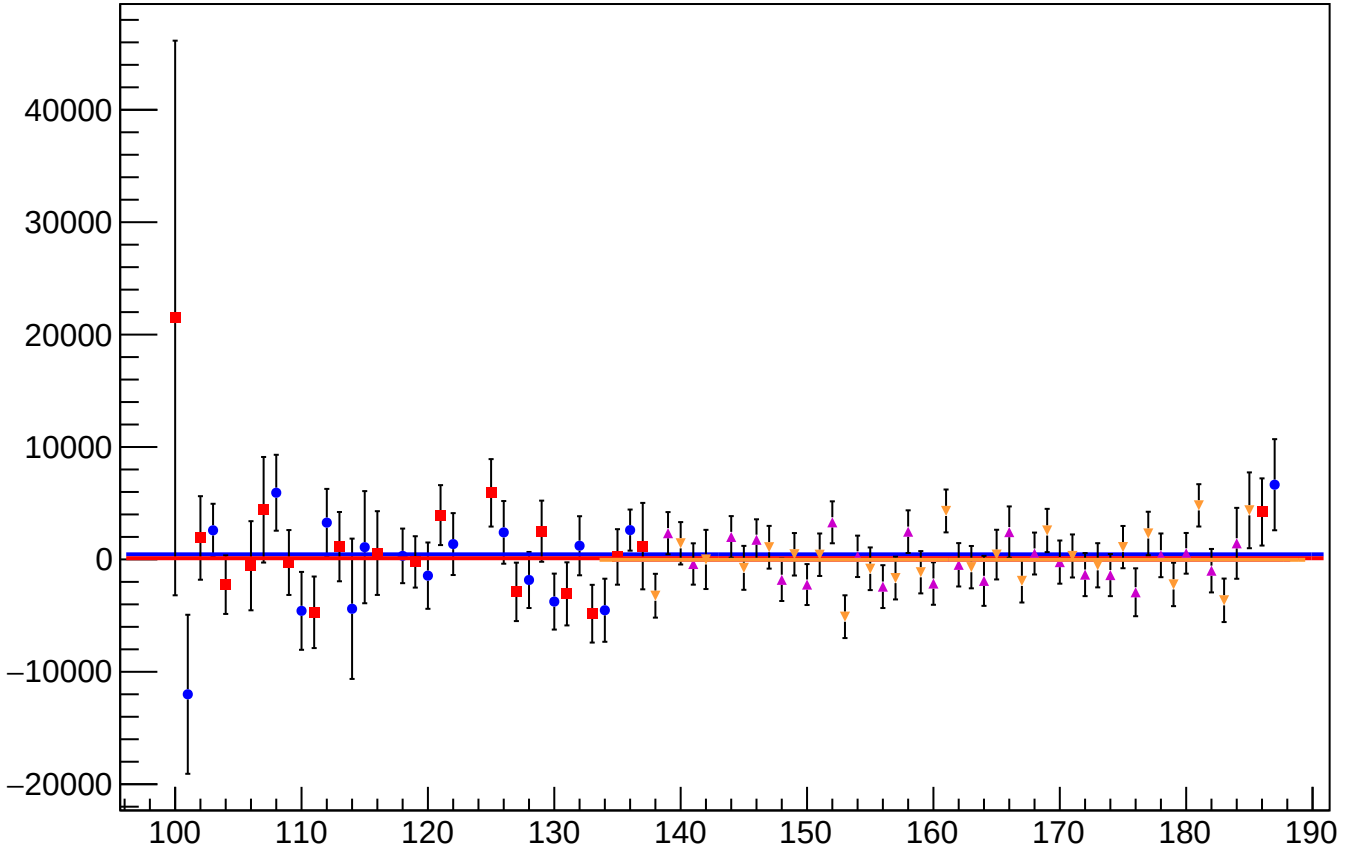
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

\+ sign 480.438+/-0.079 χ^2/NDF: 13515598.1/40

All: 512.727+/-0.058 χ^2/NDF: 23698414.9/82

\- sign 551.704+/-0.087 χ^2/NDF: 9813949.3/41

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 449.619+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 104.674+/-694.205 χ^2/NDF: 20.0/18

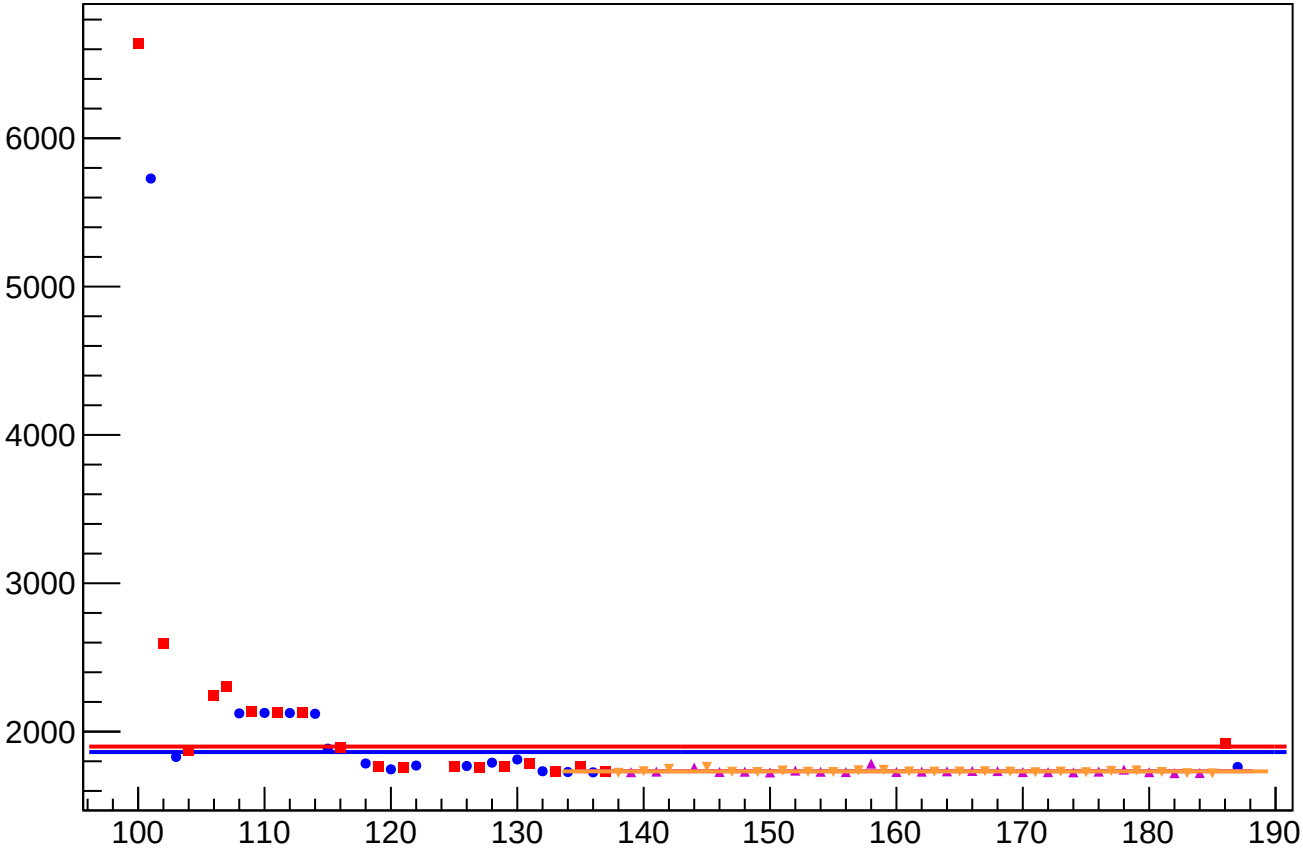
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 85.612+/-348.469 χ^2/NDF: 57.6/40

All: 36.573+/-246.814 χ^2/NDF: 97.0/82

- sign -12.792+/-349.628 χ^2/NDF: 39.4/41

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

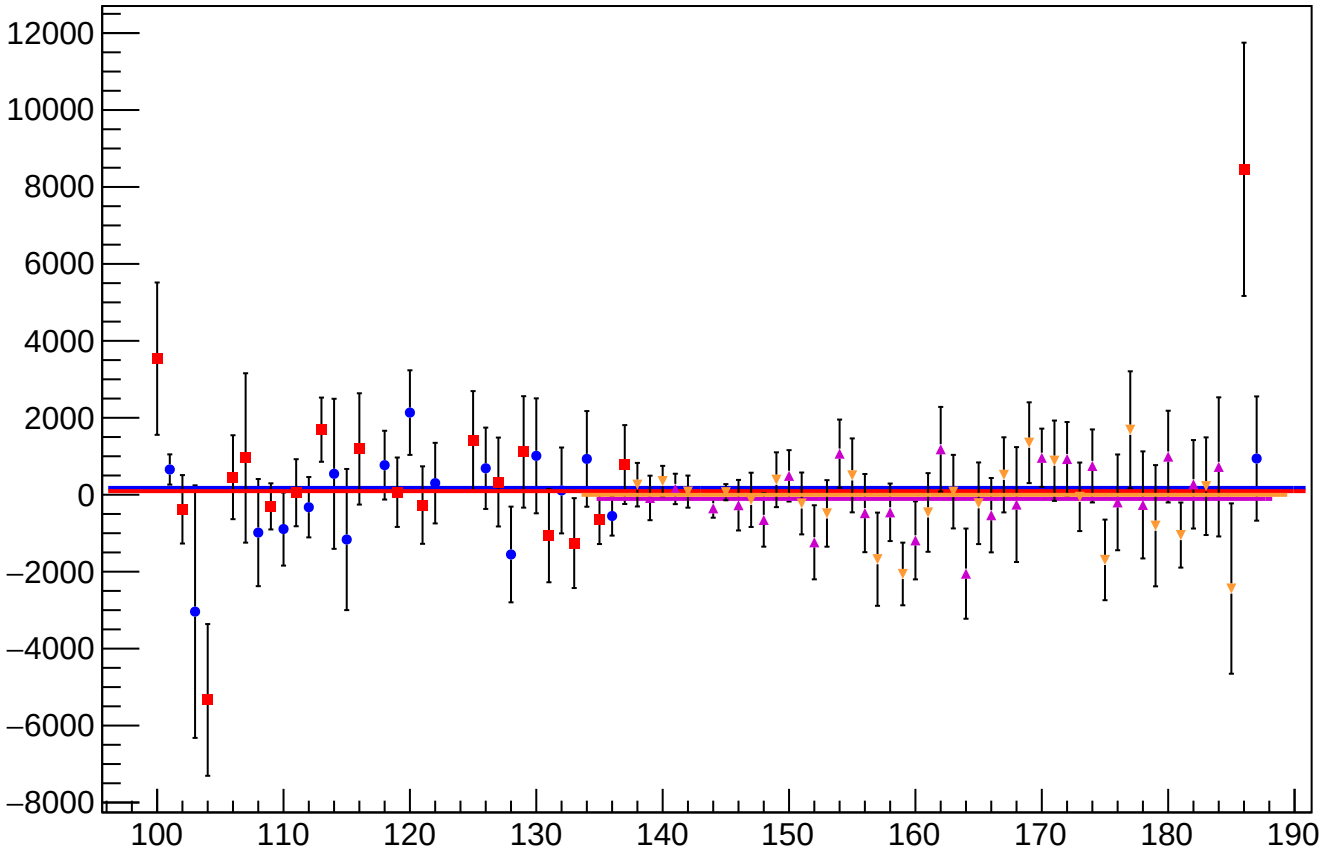
Right Out: 1899.048+/-0.491 χ^2/NDF: 257867.1/18

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.314+/-0.246 χ^2/NDF: 726990.4/40

All: 1769.816+/-0.175 χ^2/NDF: 1073165.2/82

- sign 1775.354+/-0.247 χ^2/NDF: 345174.6/41



Right In: 177.327+/-218.010 χ^2/NDF: 14.1/16

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 93.419+/-237.577 χ^2/NDF: 27.9/18

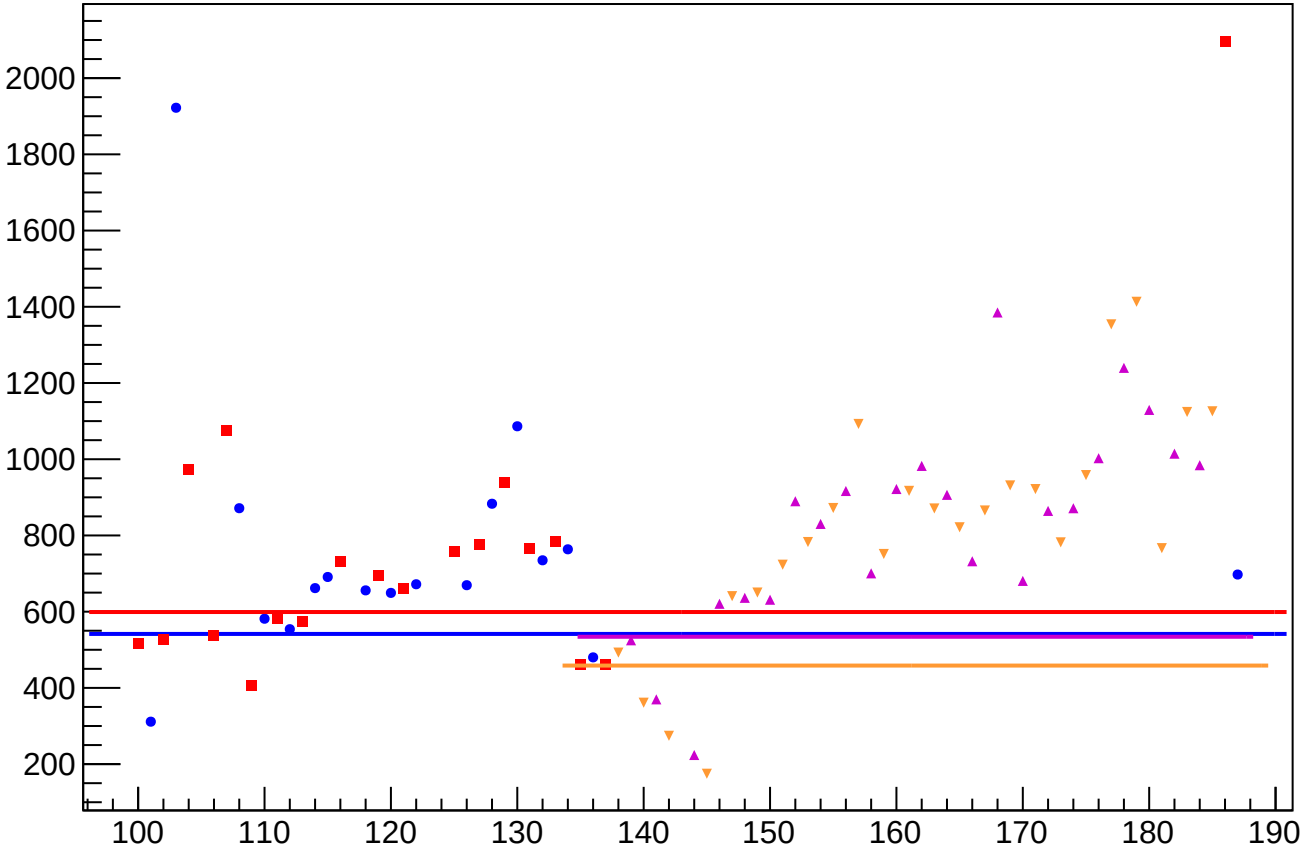
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 44.677+/-111.690 χ^2/NDF: 34.9/40

All: -0.267+/-82.600 χ^2/NDF: 80.7/82

- sign -54.523+/-122.716 χ^2/NDF: 45.5/41

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 541.597+/-0.154 χ^2/NDF: 1877874.9/16

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

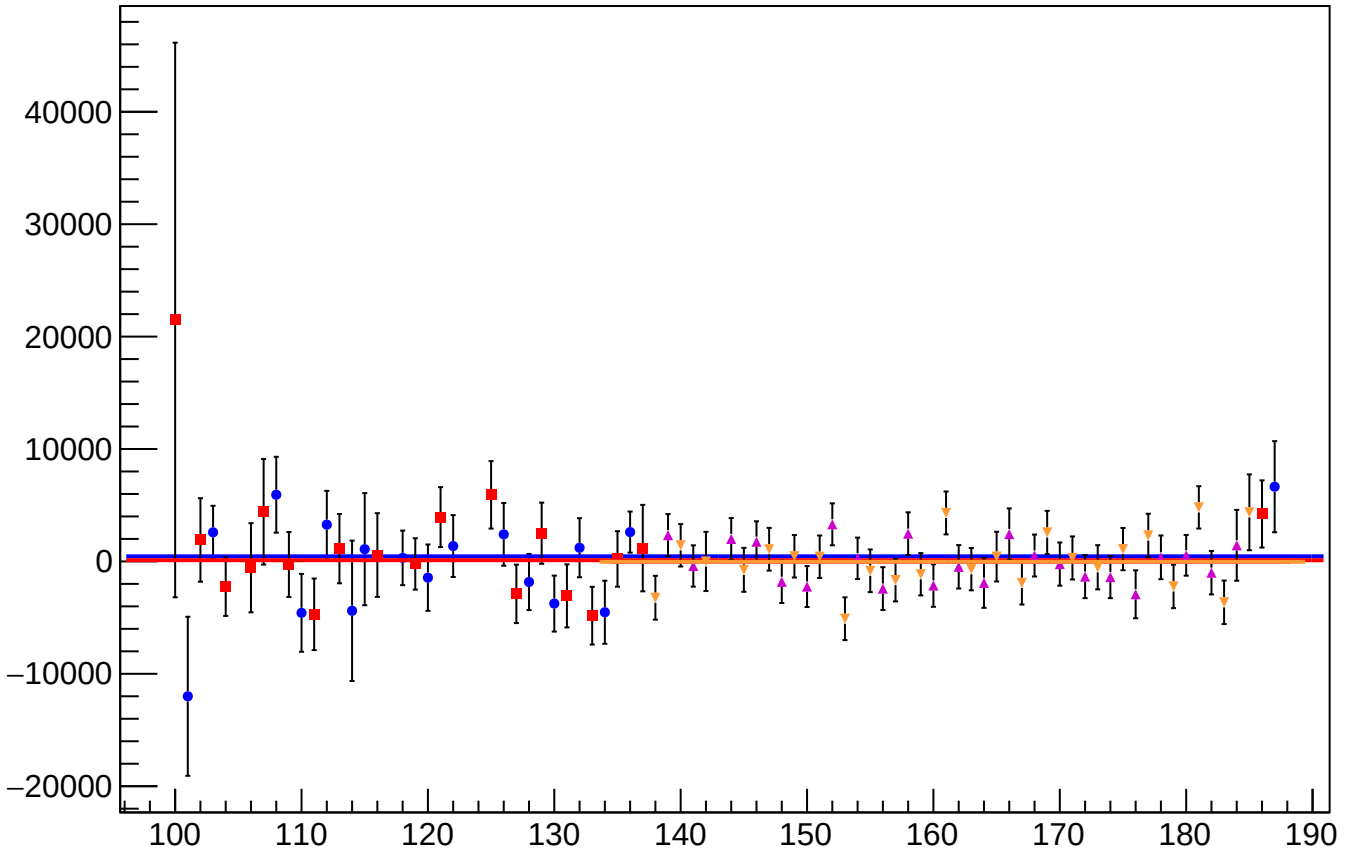
Right Out: 599.079+/-0.168 χ^2/NDF: 1260233.1/18

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 480.376+/-0.079 χ^2/NDF: 13518039.8/40

All: 512.594+/-0.058 χ^2/NDF: 23697860.8/82

- sign 551.487+/-0.087 χ^2/NDF: 9812509.4/41



Right In: 449.619+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 104.674+/-694.205 χ^2/NDF: 20.0/18

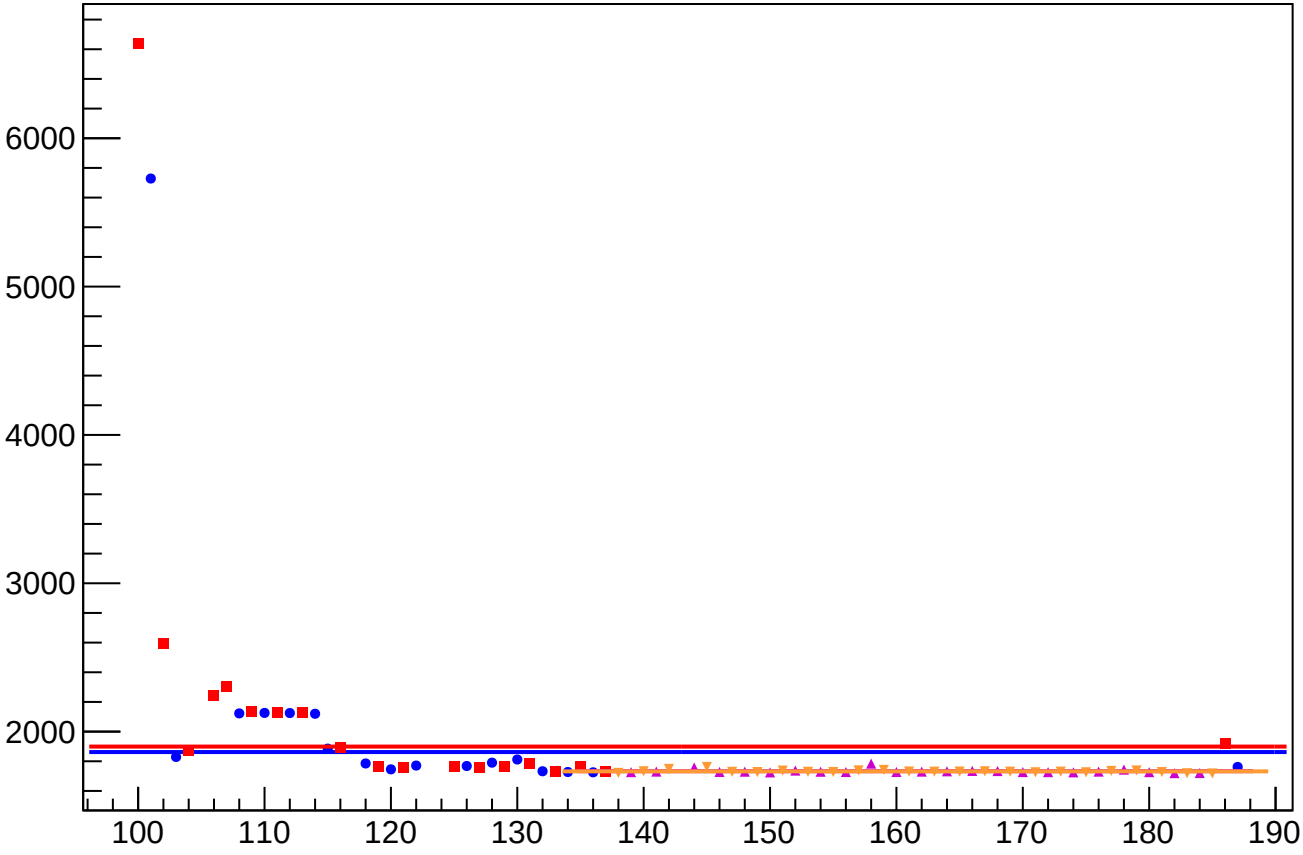
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 85.612+/-348.469 χ^2/NDF: 57.6/40

All: 36.573+/-246.814 χ^2/NDF: 97.0/82

- sign -12.792+/-349.628 χ^2/NDF: 39.4/41

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1899.048+/-0.491 χ^2/NDF: 257867.1/18

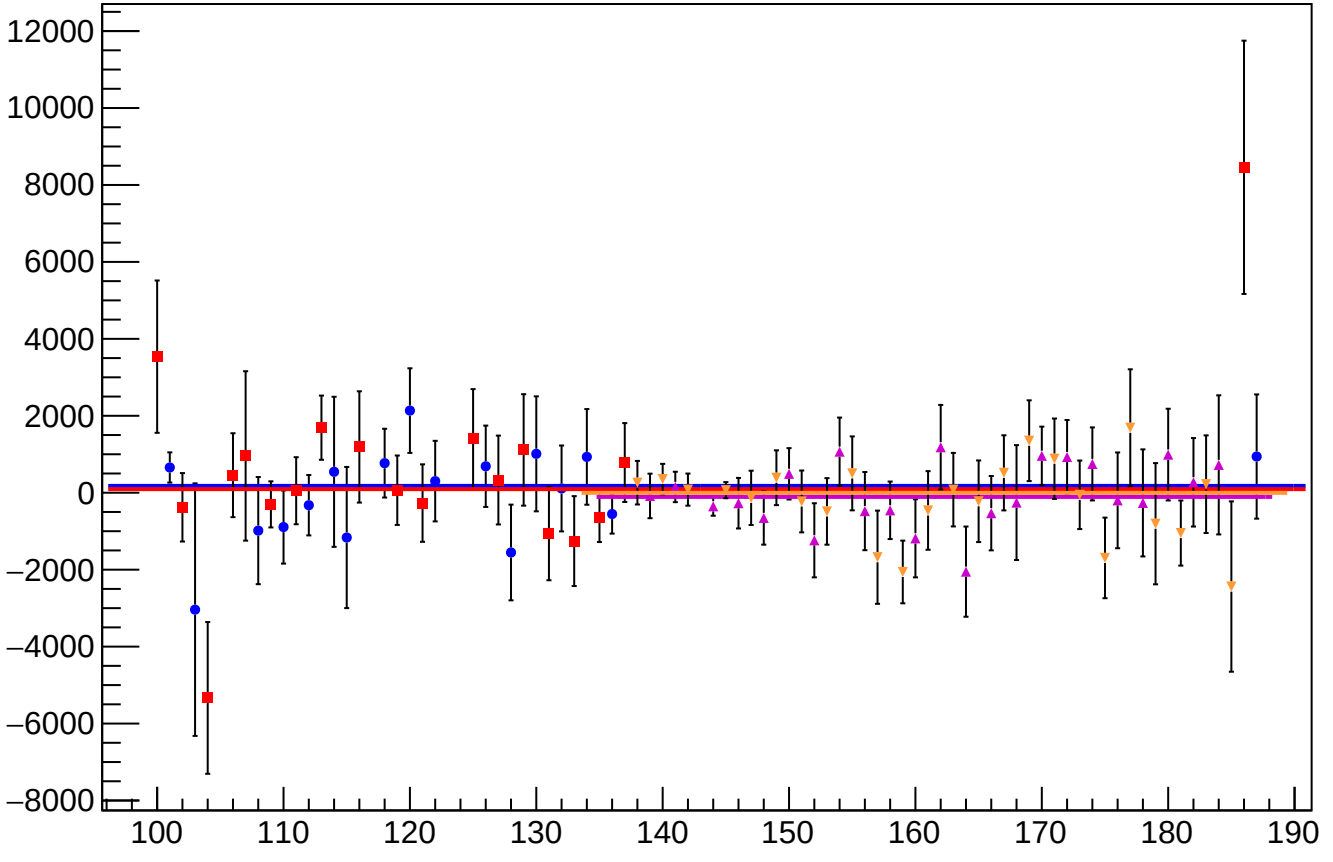
Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1764.314+/-0.246 χ^2/NDF: 726990.4/40

All: 1769.816+/-0.175 χ^2/NDF: 1073165.2/82

- sign 1775.354+/-0.247 χ^2/NDF: 345174.6/41

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug



Right In: 177.327+/-218.010 χ^2/NDF: 14.1/16

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

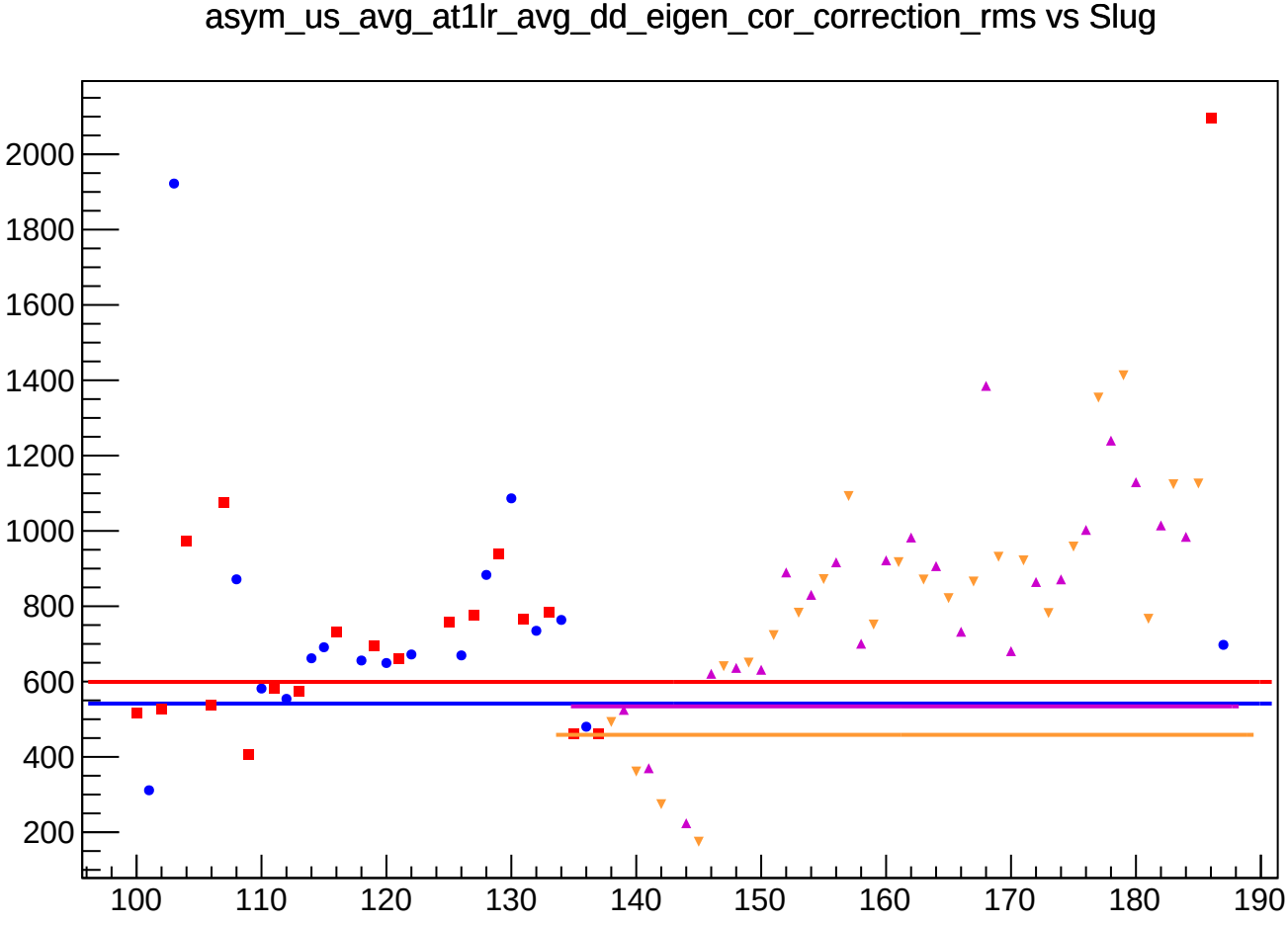
Right Out: 93.419+/-237.577 χ^2/NDF: 27.9/18

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 44.677+/-111.690 χ^2/NDF: 34.9/40

All: -0.267+/-82.600 χ^2/NDF: 80.7/82

- sign -54.523+/-122.716 χ^2/NDF: 45.5/41



Right In: 541.597+/-0.154 χ^2/NDF: 1877874.9/16

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 599.079+/-0.168 χ^2/NDF: 1260233.1/18

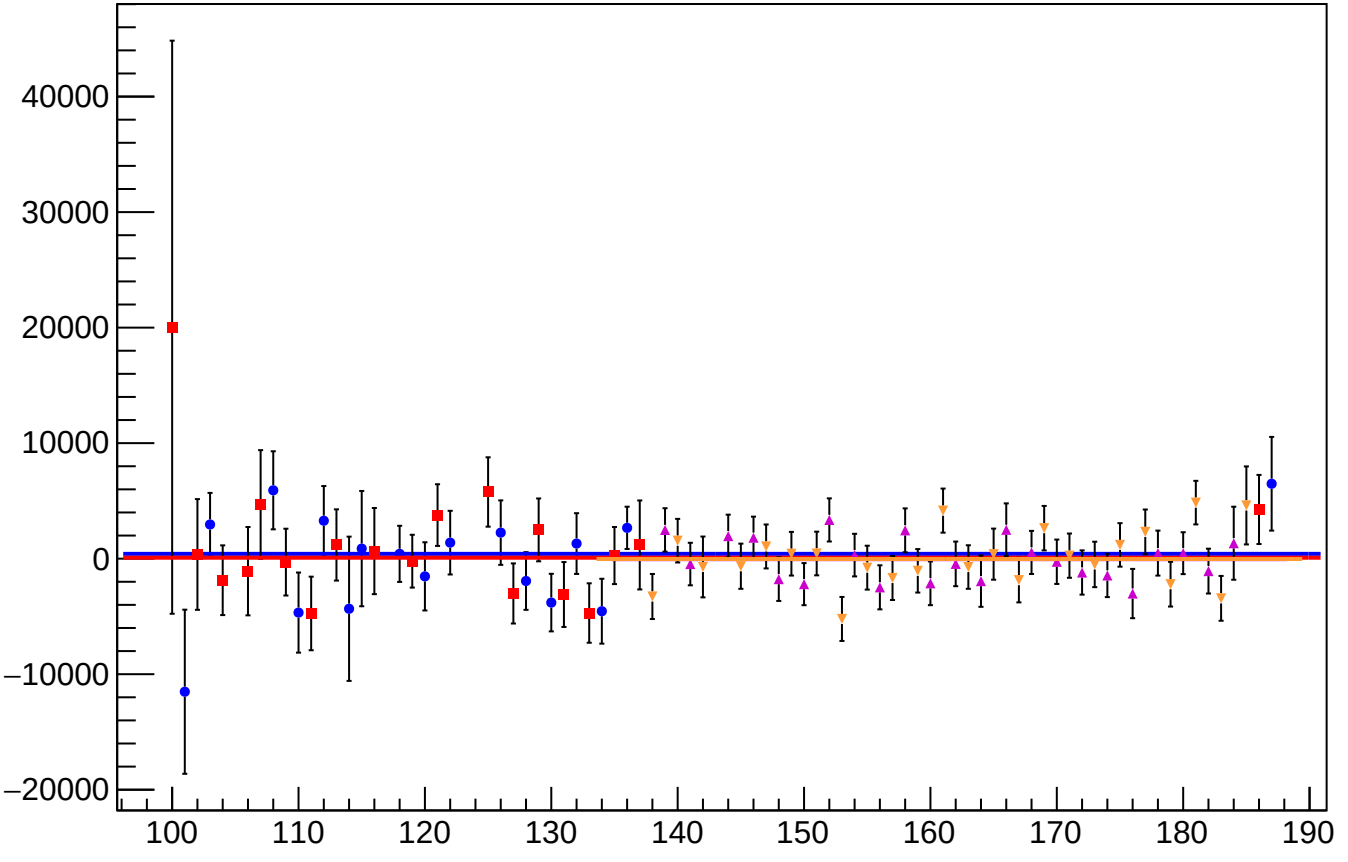
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 480.376+/-0.079 χ^2/NDF: 13518039.8/40

All: 512.594+/-0.058 χ^2/NDF: 23697860.8/82

- sign 551.487+/-0.087 χ^2/NDF: 9812509.4/41

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 416.685+/-707.537 χ^2/NDF: 21.7/16

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 82.218+/-705.331 χ^2/NDF: 19.1/18

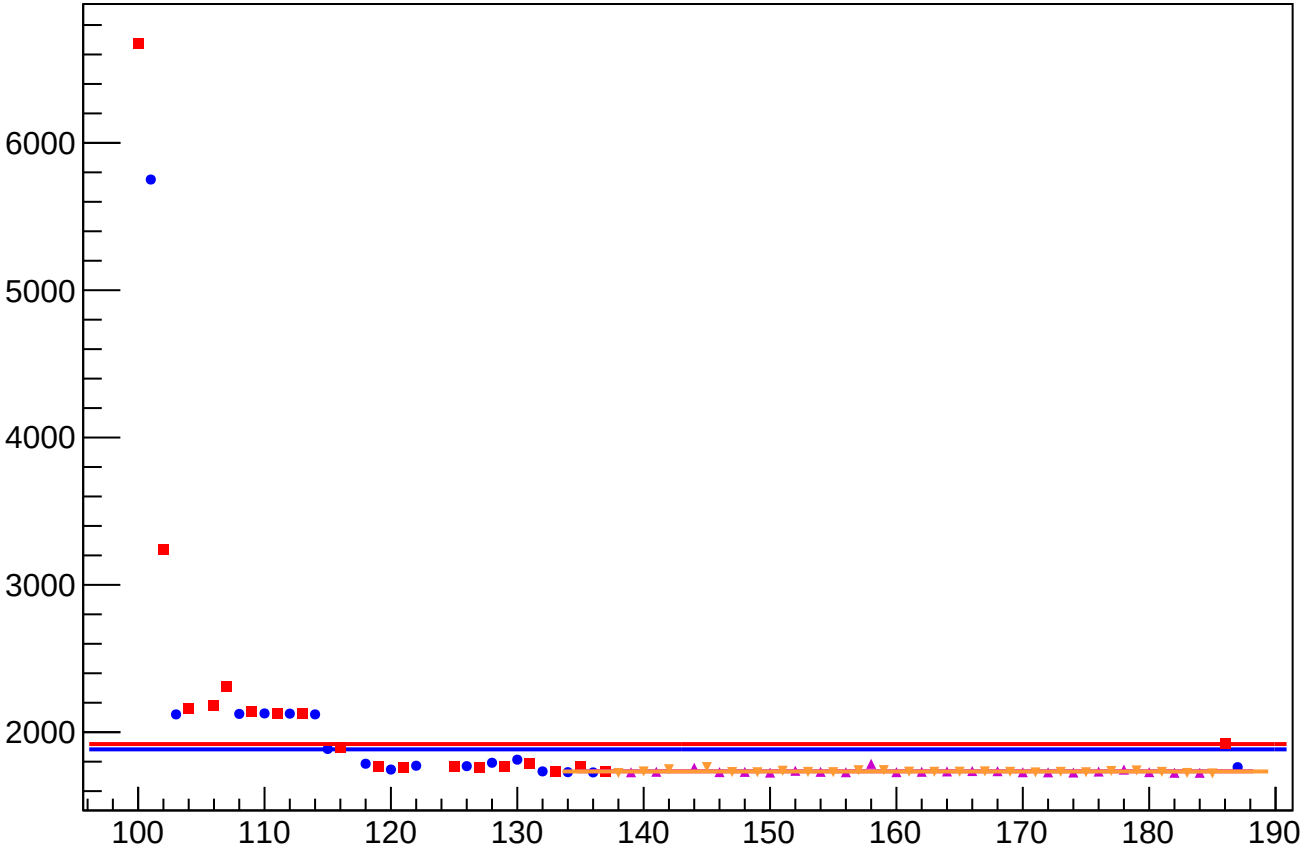
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 79.599+/-349.732 χ^2/NDF: 57.5/40

All: 34.226+/-247.834 χ^2/NDF: 96.5/82

- sign -11.543+/-351.252 χ^2/NDF: 39.0/41

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1883.517+/-0.500 χ^2/NDF: 691273.4/16

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

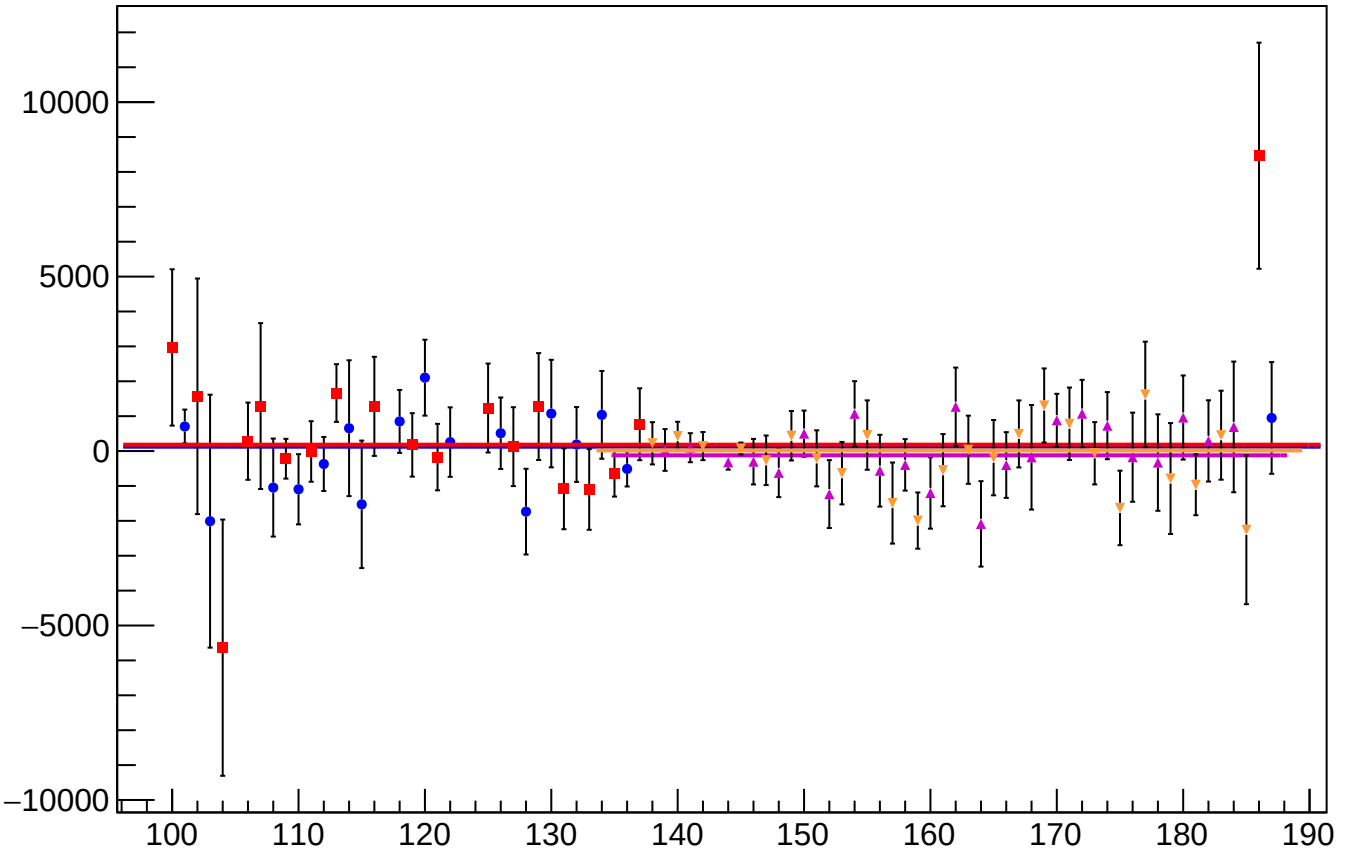
Right Out: 1919.444+/-0.499 χ^2/NDF: 352572.5/18

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.137+/-0.247 χ^2/NDF: 760137.9/40

All: 1775.346+/-0.175 χ^2/NDF: 1218836.8/82

- sign 1780.599+/-0.248 χ^2/NDF: 457807.9/41



Right In: 125.375+/-229.322 χ^2/NDF: 14.4/16

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

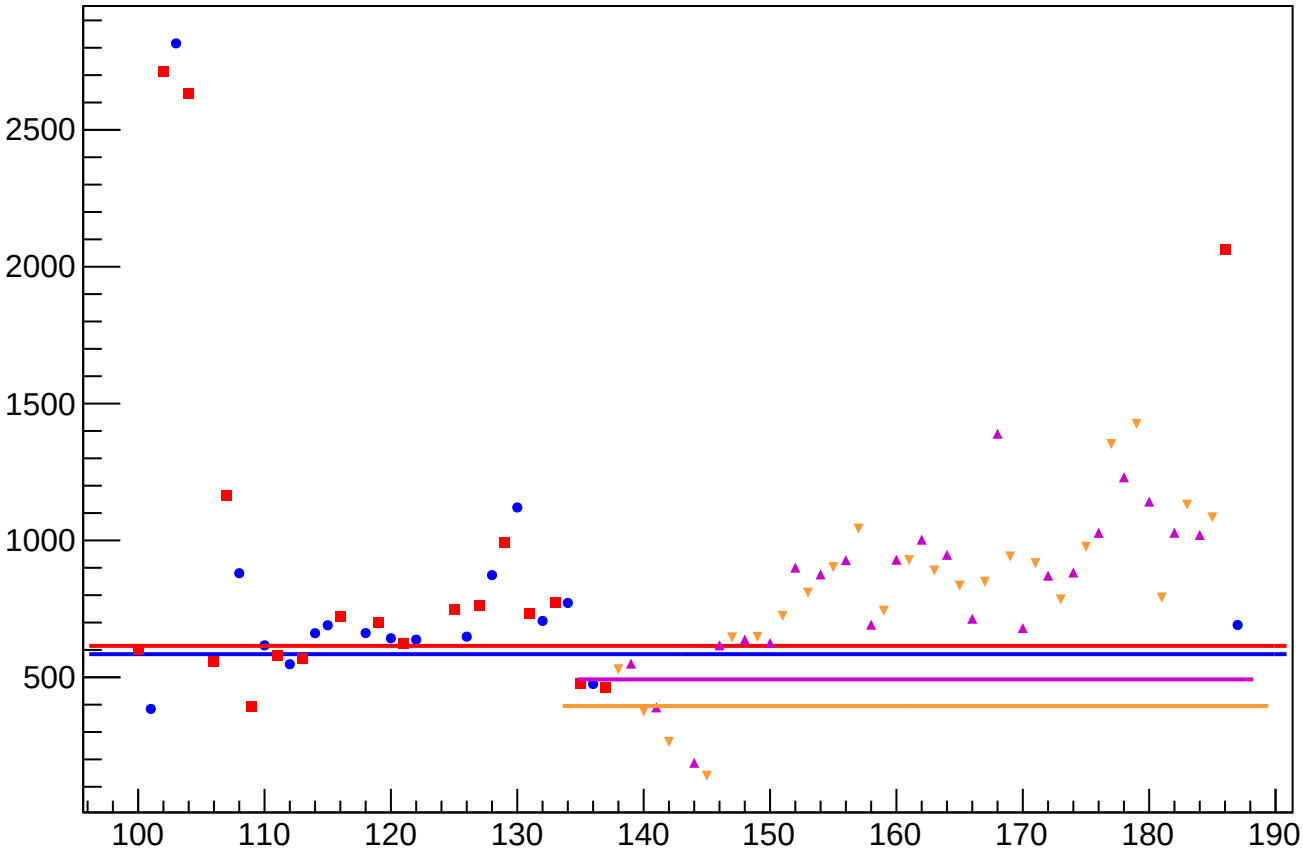
Right Out: 183.075+/-245.228 χ^2/NDF: 20.9/18

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 40.902+/-105.858 χ^2/NDF: 34.0/40

All: 1.409+/-79.298 χ^2/NDF: 72.9/82

- sign -49.088+/-119.701 χ^2/NDF: 38.6/41



Right In: 584.503+/-0.162 χ^2/NDF: 1763358.2/16

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

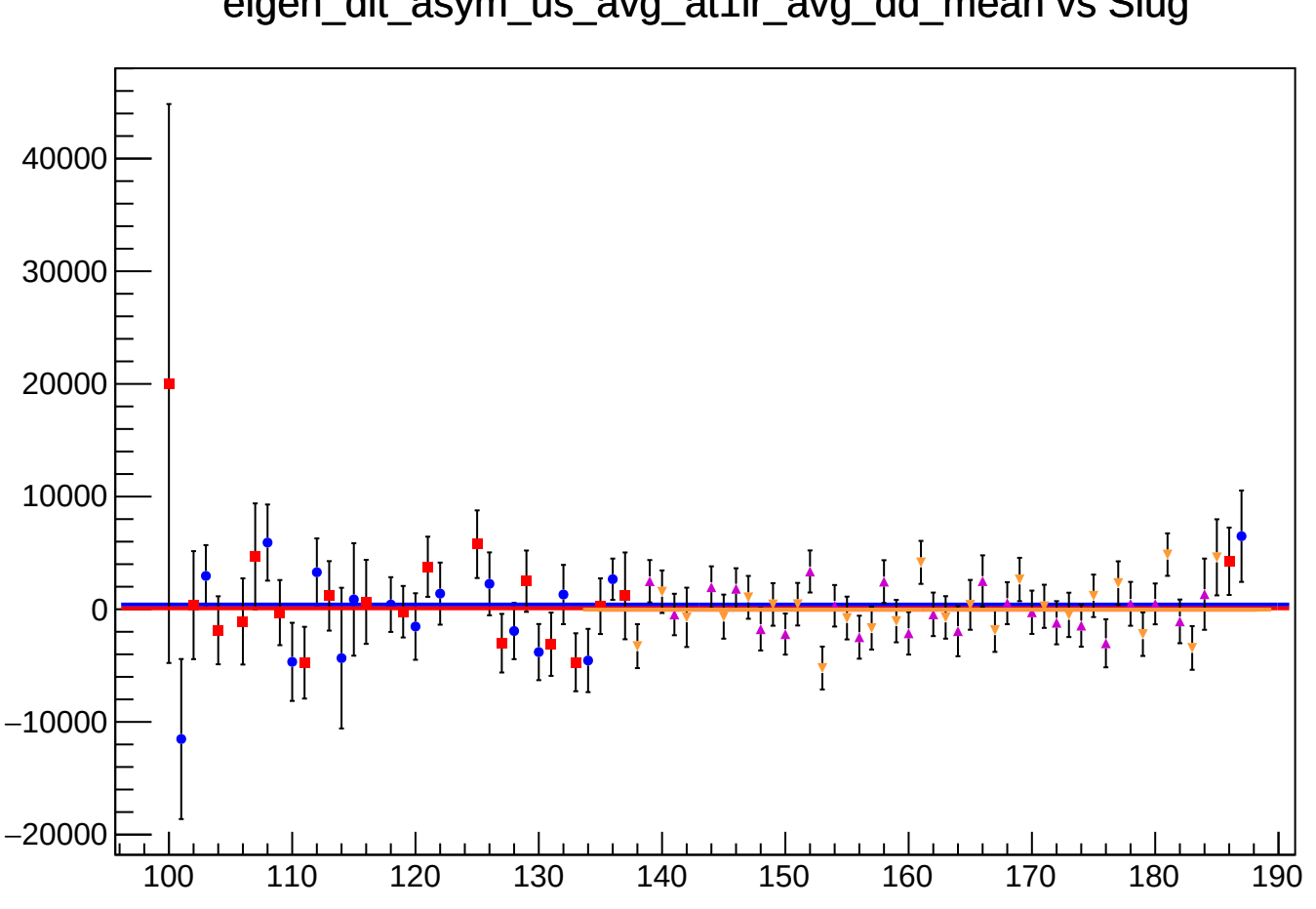
Right Out: 614.806+/-0.173 χ^2/NDF: 2601293.4/18

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 435.529+/-0.075 χ^2/NDF: 17170371.2/40

All: 473.251+/-0.056 χ^2/NDF: 31150094.3/82

- sign 521.484+/-0.085 χ^2/NDF: 13401023.4/41



Right In: 416.685+/-707.537 χ^2/NDF: 21.7/16

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 82.216+/-705.331 χ^2/NDF: 19.1/18

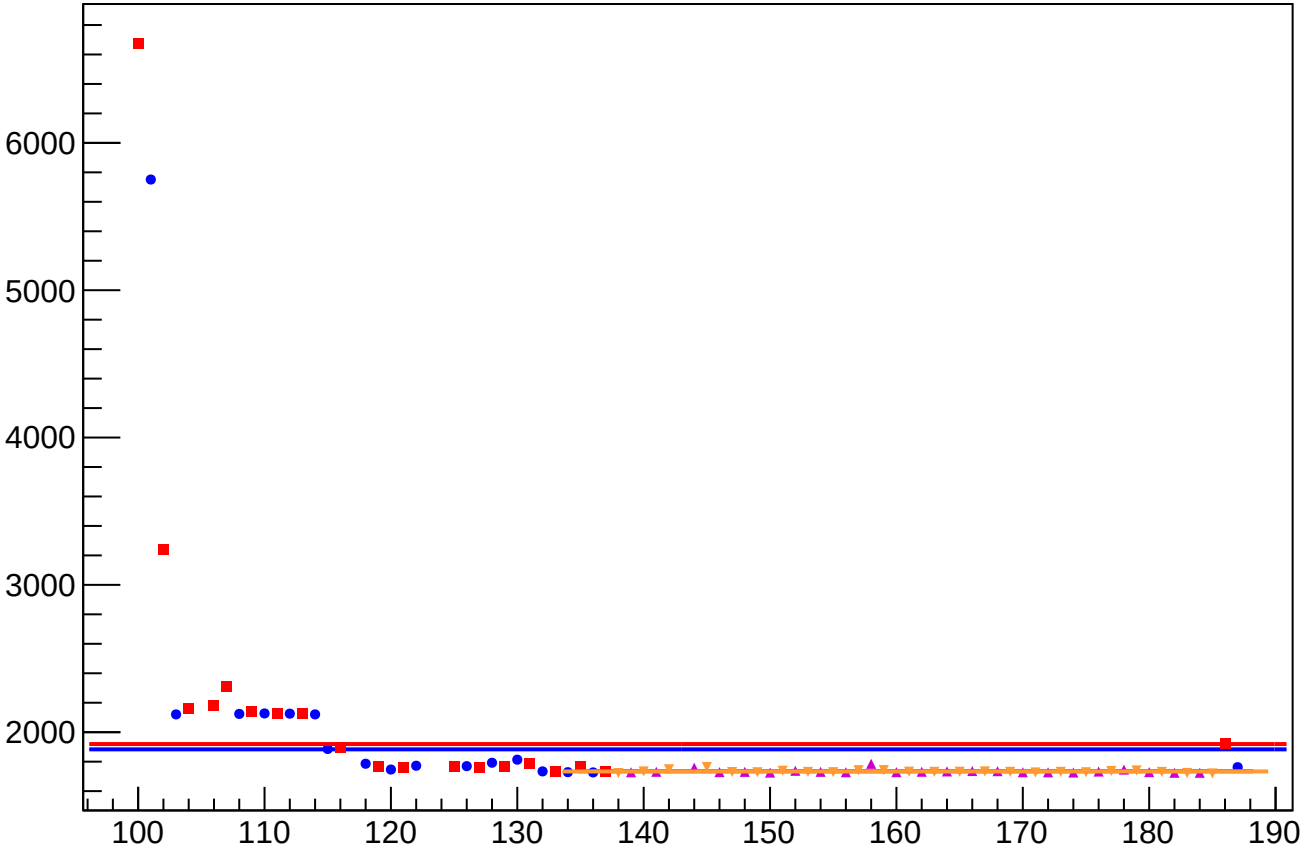
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 79.597+/-349.732 χ^2/NDF: 57.5/40

All: 34.224+/-247.834 χ^2/NDF: 96.5/82

- sign -11.544+/-351.252 χ^2/NDF: 39.0/41

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1883.517+/-0.500 χ^2/NDF: 691273.1/16

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

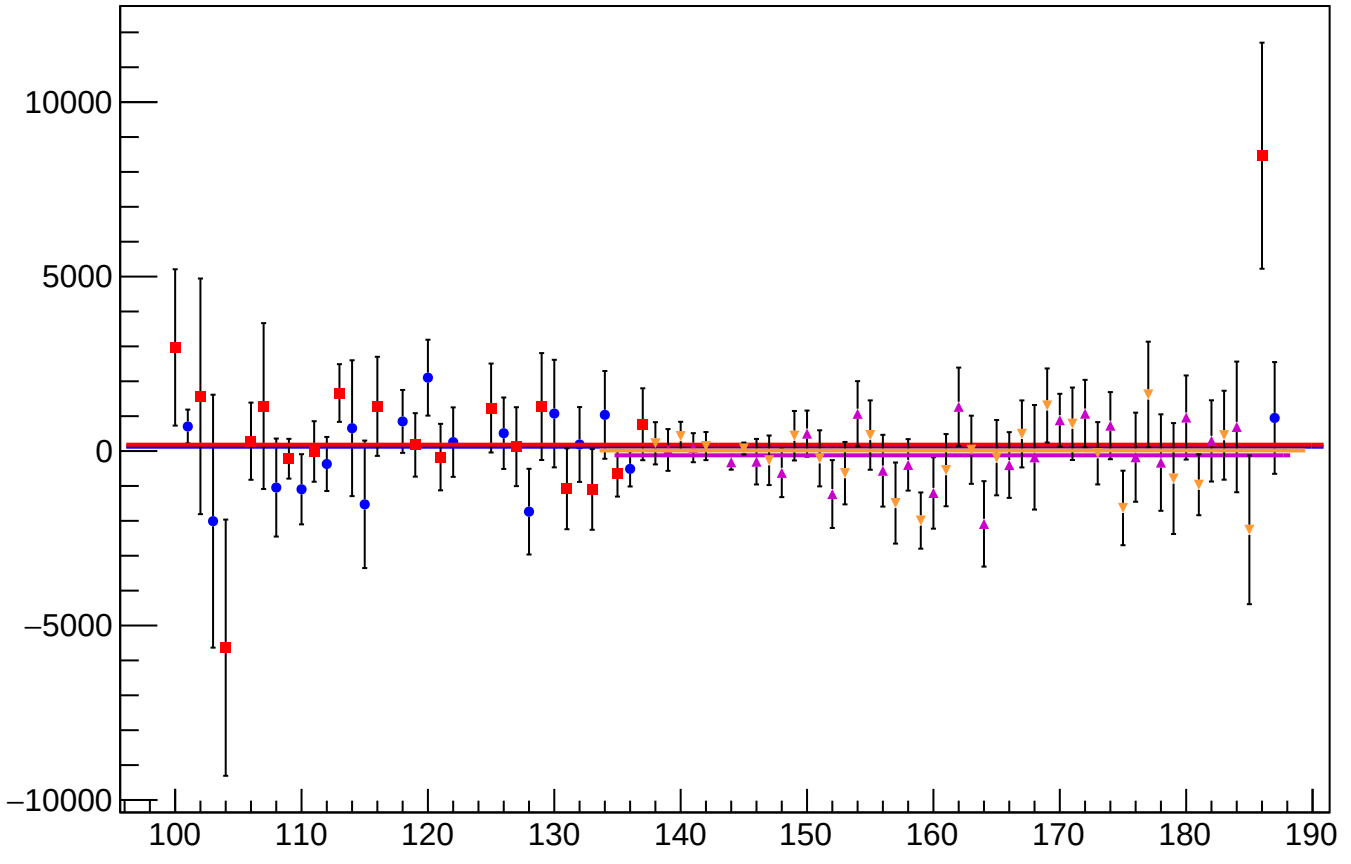
Right Out: 1919.444+/-0.499 χ^2/NDF: 352571.8/18

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1770.137+/-0.247 χ^2/NDF: 760137.5/40

All: 1775.346+/-0.175 χ^2/NDF: 1218835.5/82

- sign 1780.599+/-0.248 χ^2/NDF: 457807.0/41



Right In: 125.372+/-229.321 χ^2/NDF: 14.4/16

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

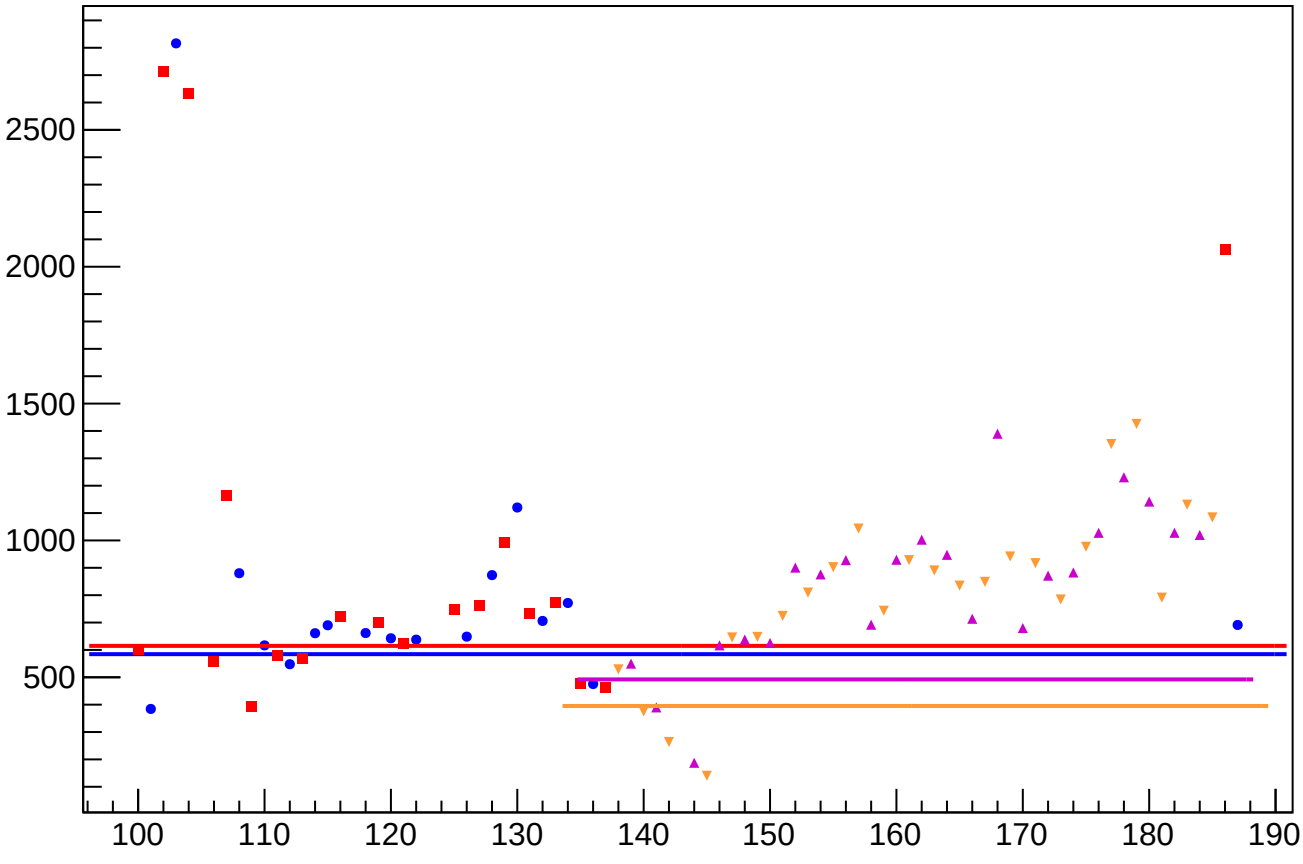
Right Out: 183.073+/-245.226 χ^2/NDF: 20.9/18

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

\+ sign 40.900+/-105.858 χ^2/NDF: 34.0/40

All: 1.408+/-79.298 χ^2/NDF: 72.9/82

\- sign -49.088+/-119.701 χ^2/NDF: 38.6/41



Right In: 584.501+/-0.162 χ^2/NDF: 1763345.9/16

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 614.802+/-0.173 χ^2/NDF: 2601310.1/18

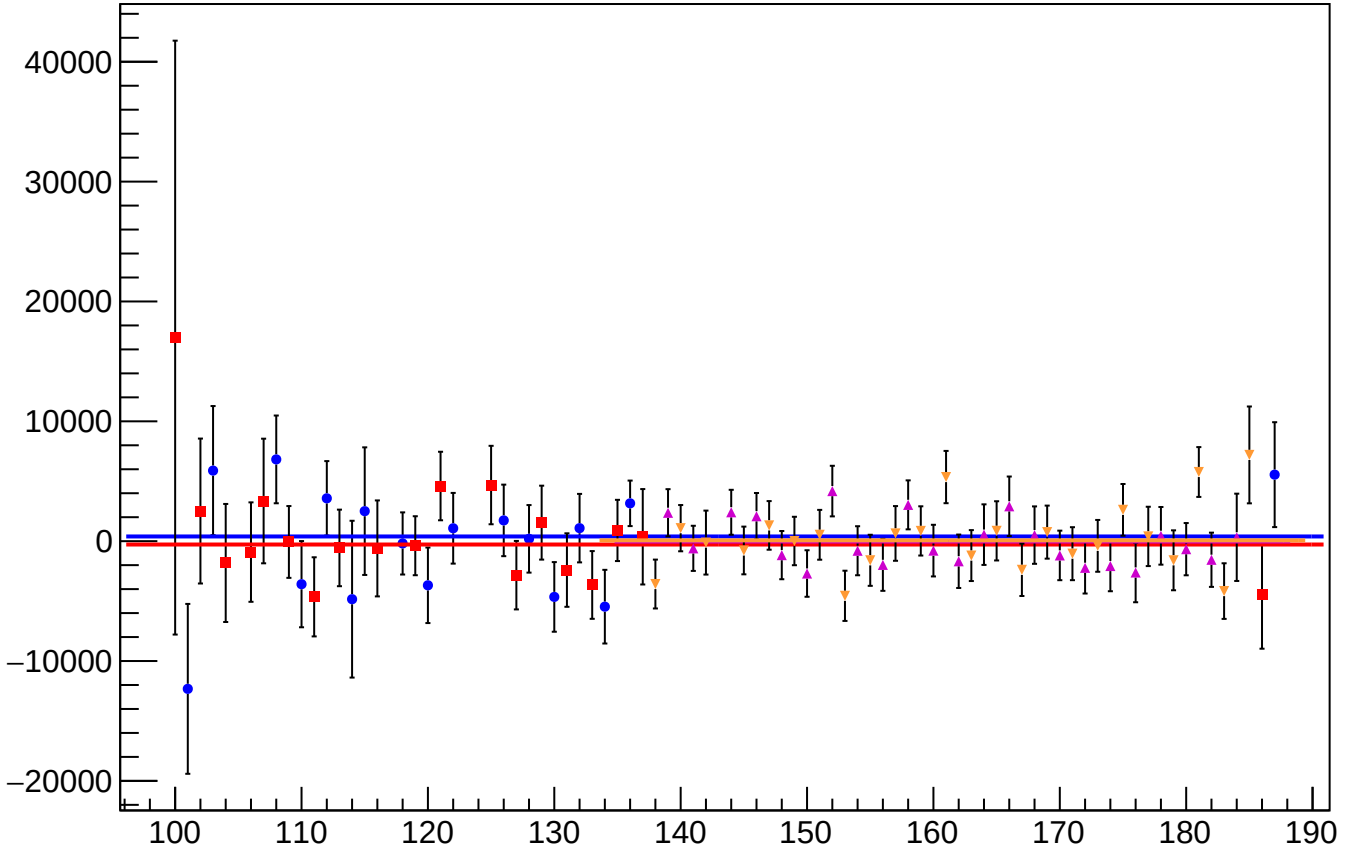
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 435.529+/-0.075 χ^2/NDF: 17170388.4/40

All: 473.251+/-0.056 χ^2/NDF: 31150128.0/82

- sign 521.484+/-0.085 χ^2/NDF: 13401039.7/41

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 393.275+/-779.033 χ^2/NDF: 22.6/16

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -279.231+/-782.055 χ^2/NDF: 12.5/18

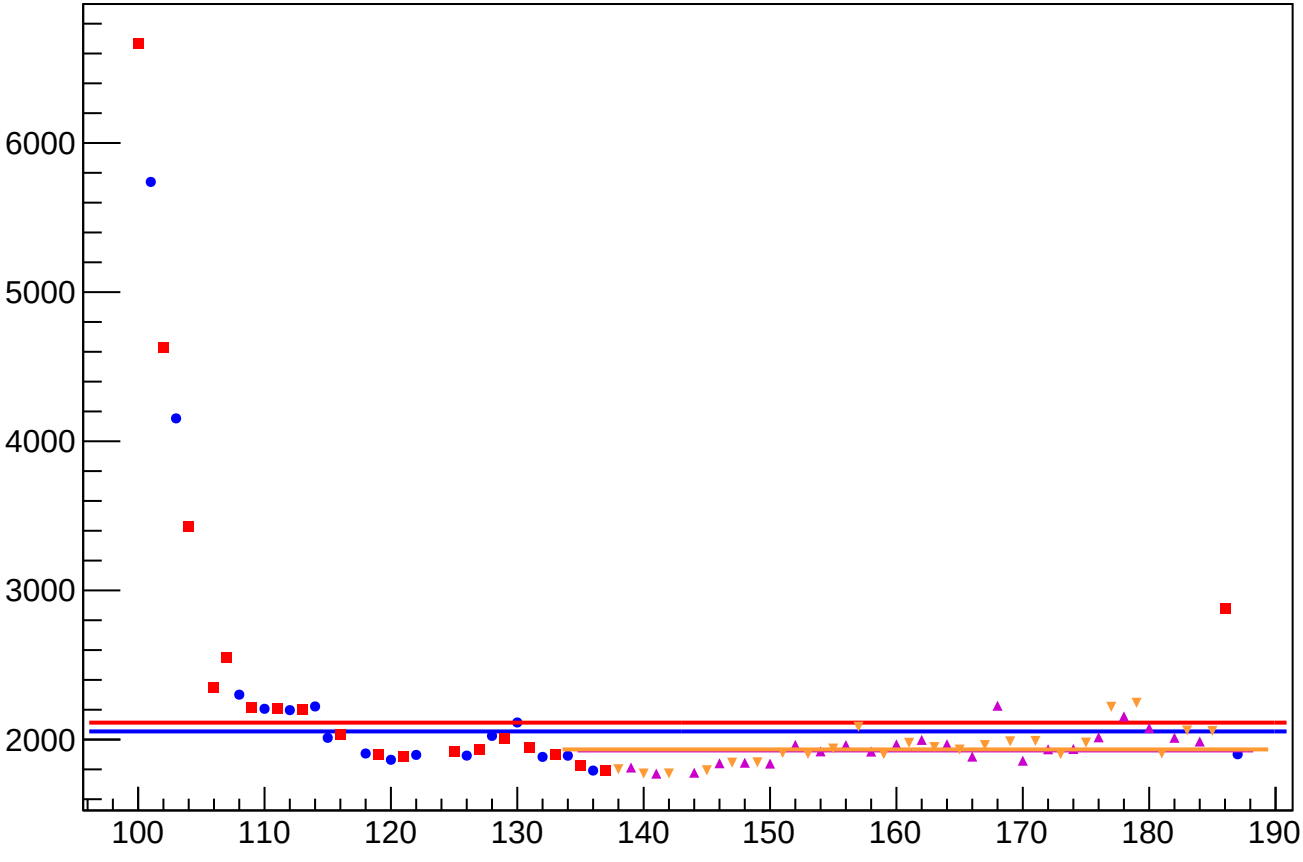
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 148.308+/-389.500 χ^2/NDF: 56.3/40

All: 30.053+/-275.782 χ^2/NDF: 89.0/82

- sign -88.828+/-390.530 χ^2/NDF: 32.5/41

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2054.483+/-0.551 χ^2/NDF: 942404.5/16

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

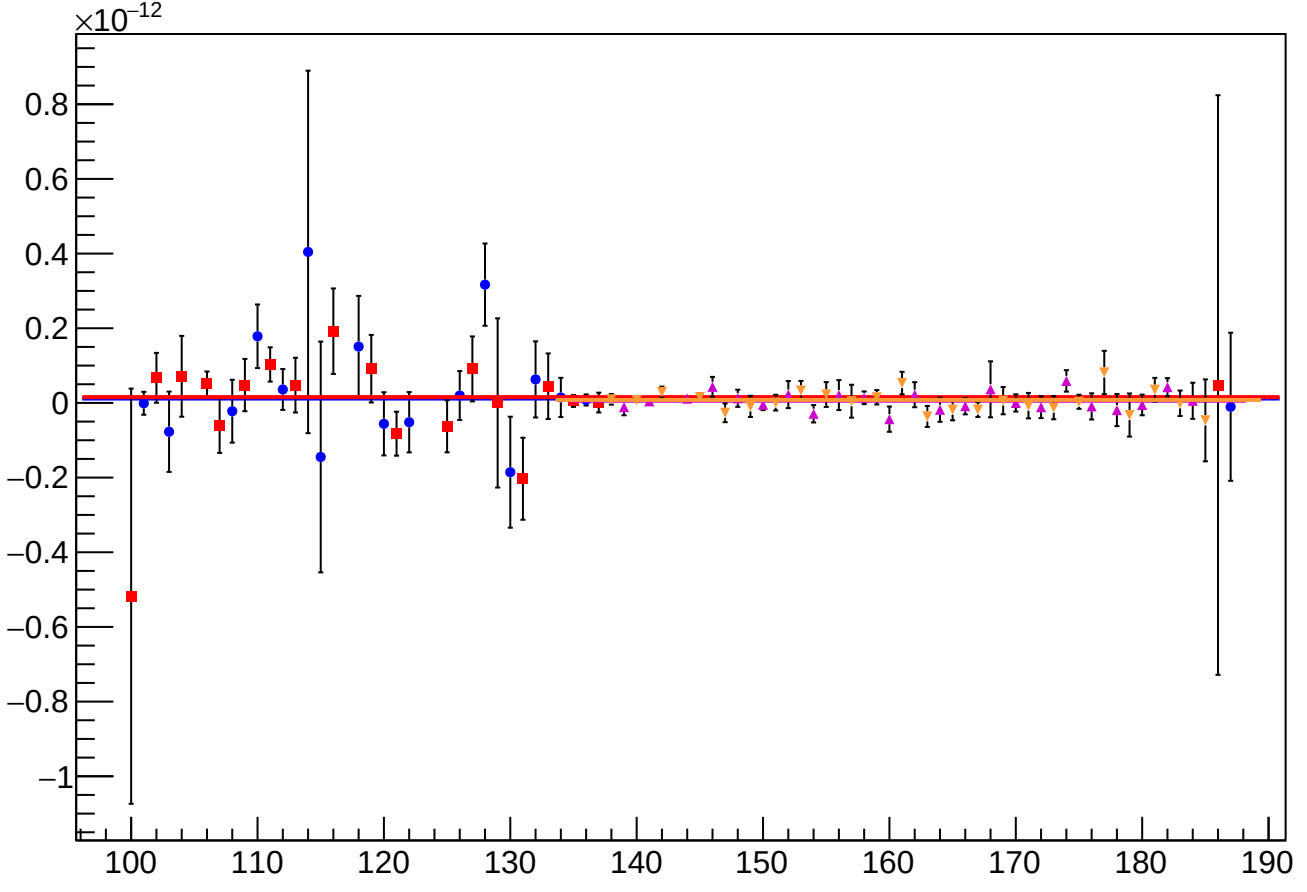
Right Out: 2113.473+/-0.553 χ^2/NDF: 741725.9/18

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1963.971+/-0.275 χ^2/NDF: 1106932.0/40

All: 1968.770+/-0.195 χ^2/NDF: 2050941.0/82

- sign 1973.594+/-0.276 χ^2/NDF: 943400.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

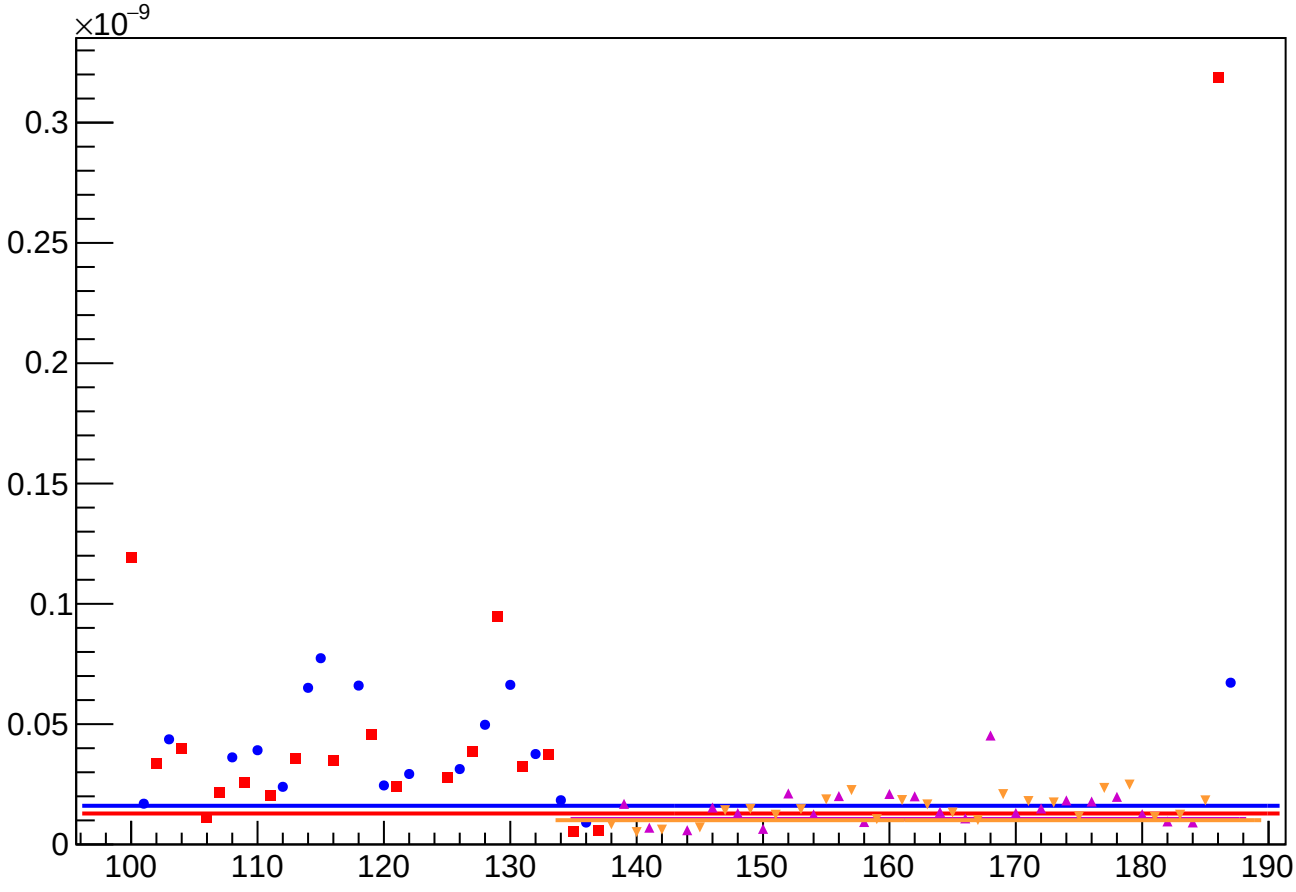
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.5/40

All: 0.000+/-0.000 χ^2/NDF: 73.7/82

- sign 0.000+/-0.000 χ^2/NDF: 38.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 2069081.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2796987.9/18

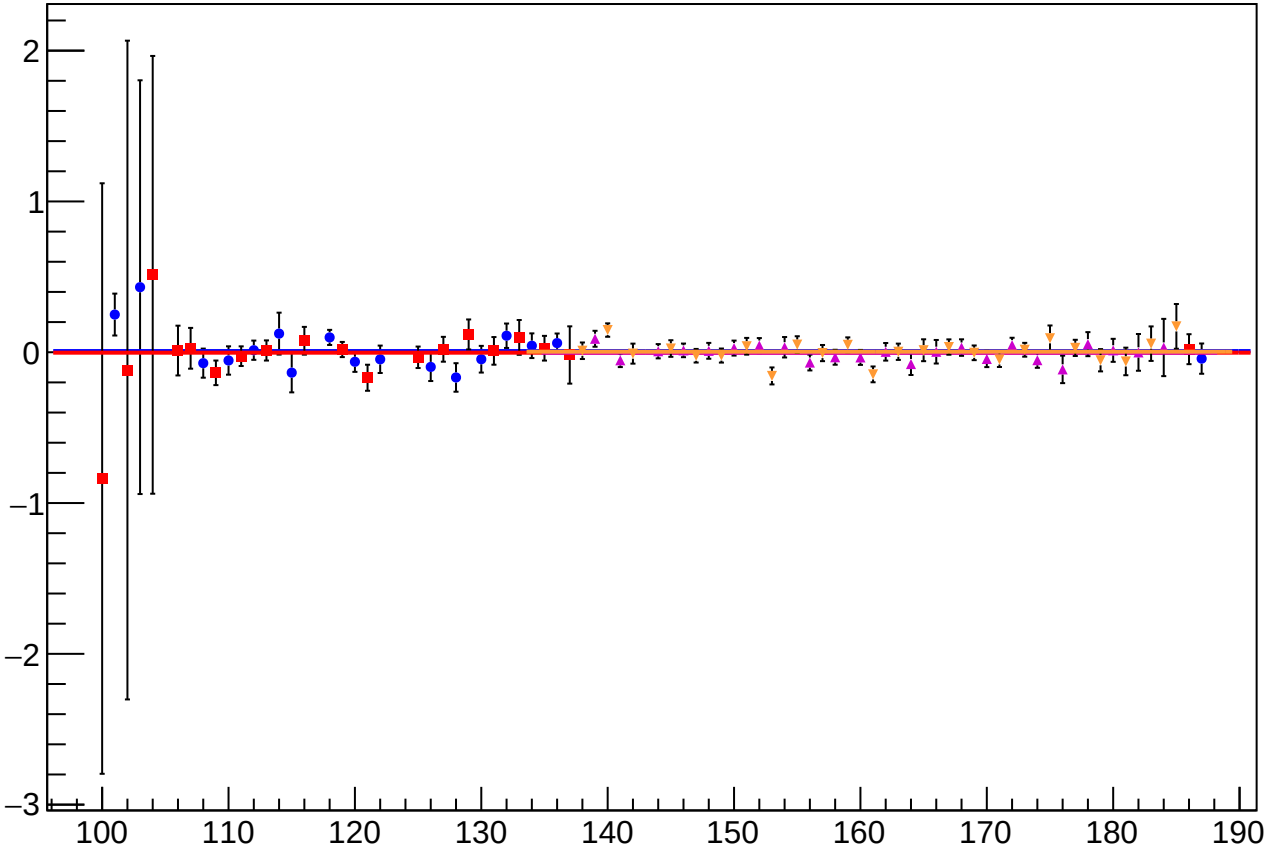
Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 4813179.8/40

All: 0.000+/-0.000 χ^2/NDF: 10266628.6/82

- sign 0.000+/-0.000 χ^2/NDF: 5452897.5/41

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

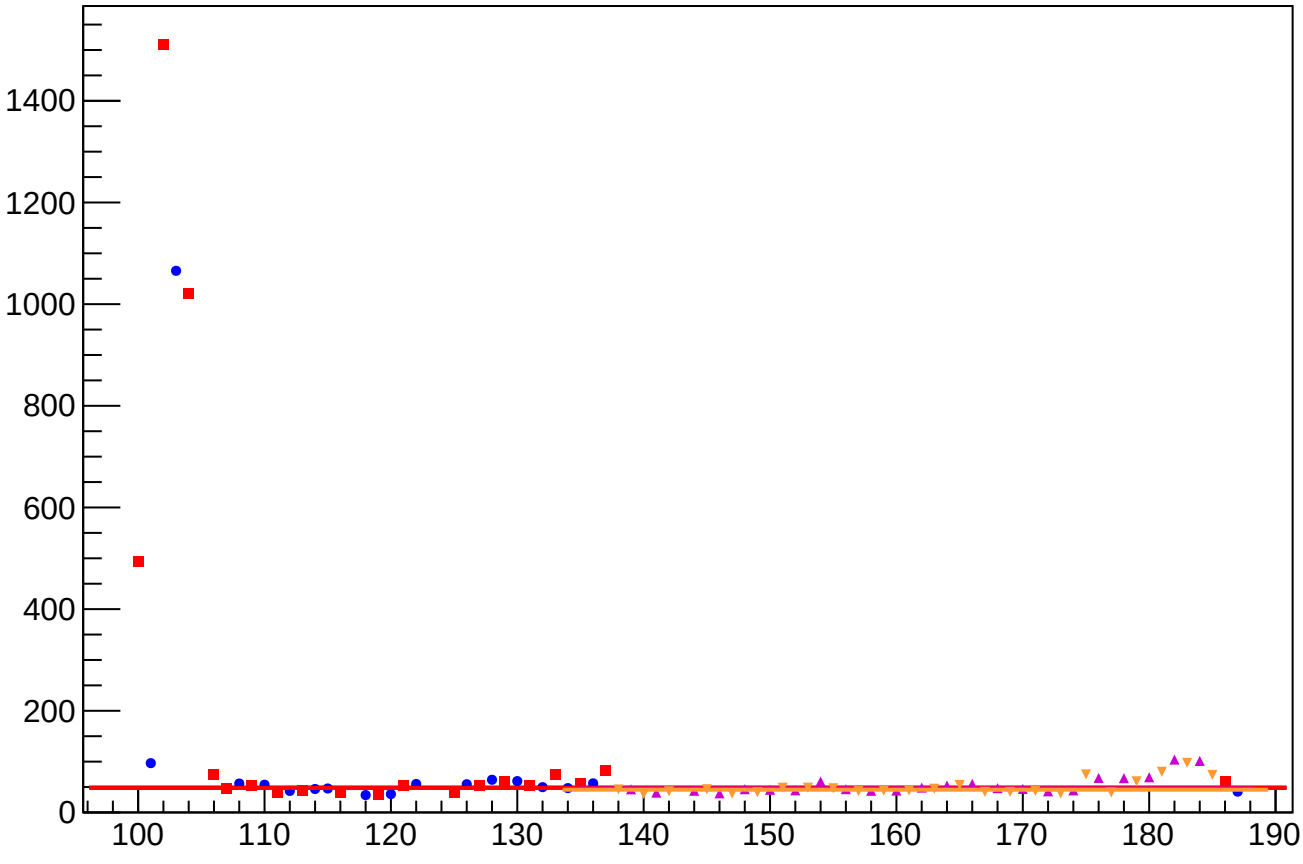
Right Out: -0.003+/-0.021 χ^2/NDF: 10.6/18

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.8/40

All: 0.001+/-0.007 χ^2/NDF: 79.1/82

- sign -0.003+/-0.010 χ^2/NDF: 25.0/41



Right In: 48.984+/-0.015 χ^2/NDF: 1790256.6/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 48.199+/-0.015 χ^2/NDF: 2453131.1/18

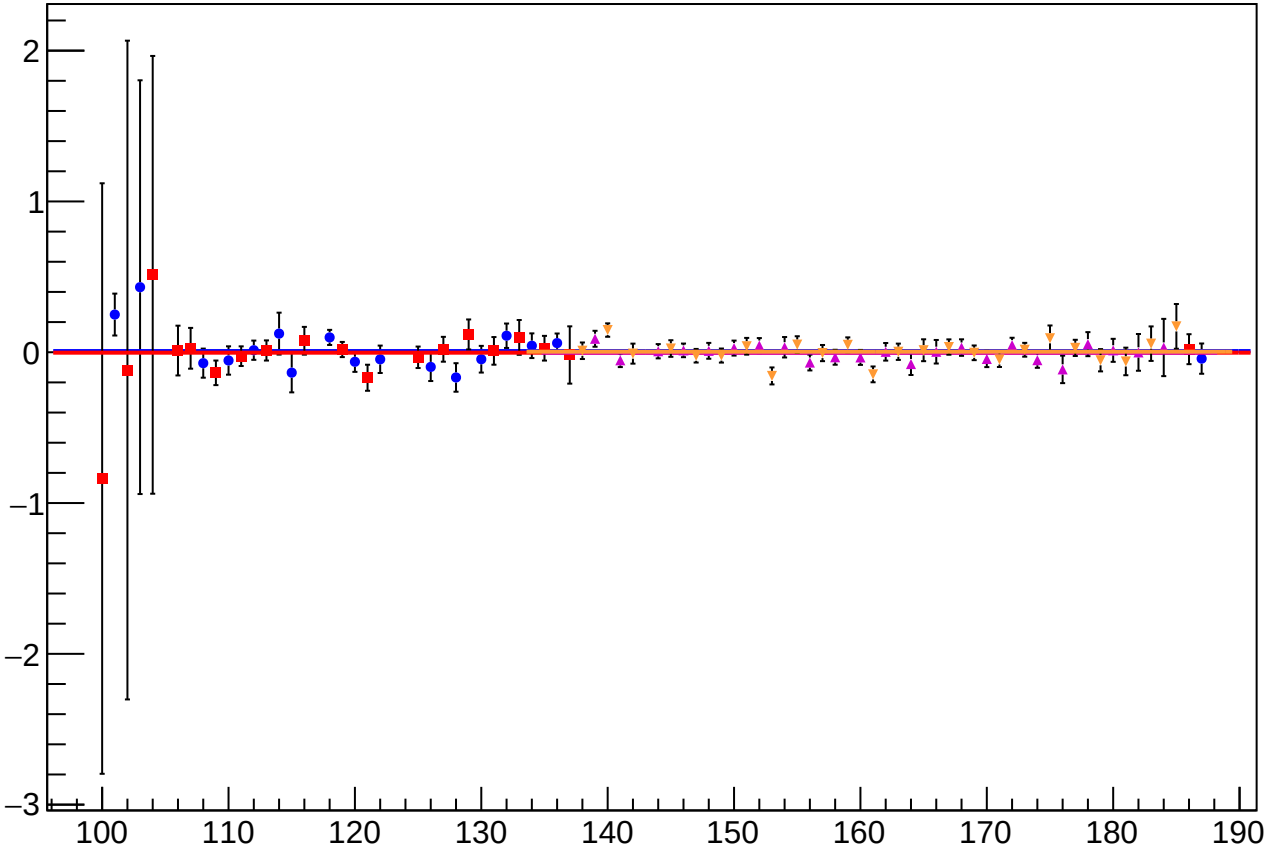
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 45.751+/-0.007 χ^2/NDF: 3337016.4/40

All: 46.508+/-0.005 χ^2/NDF: 7201426.3/82

- sign 47.318+/-0.007 χ^2/NDF: 3840841.5/41

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

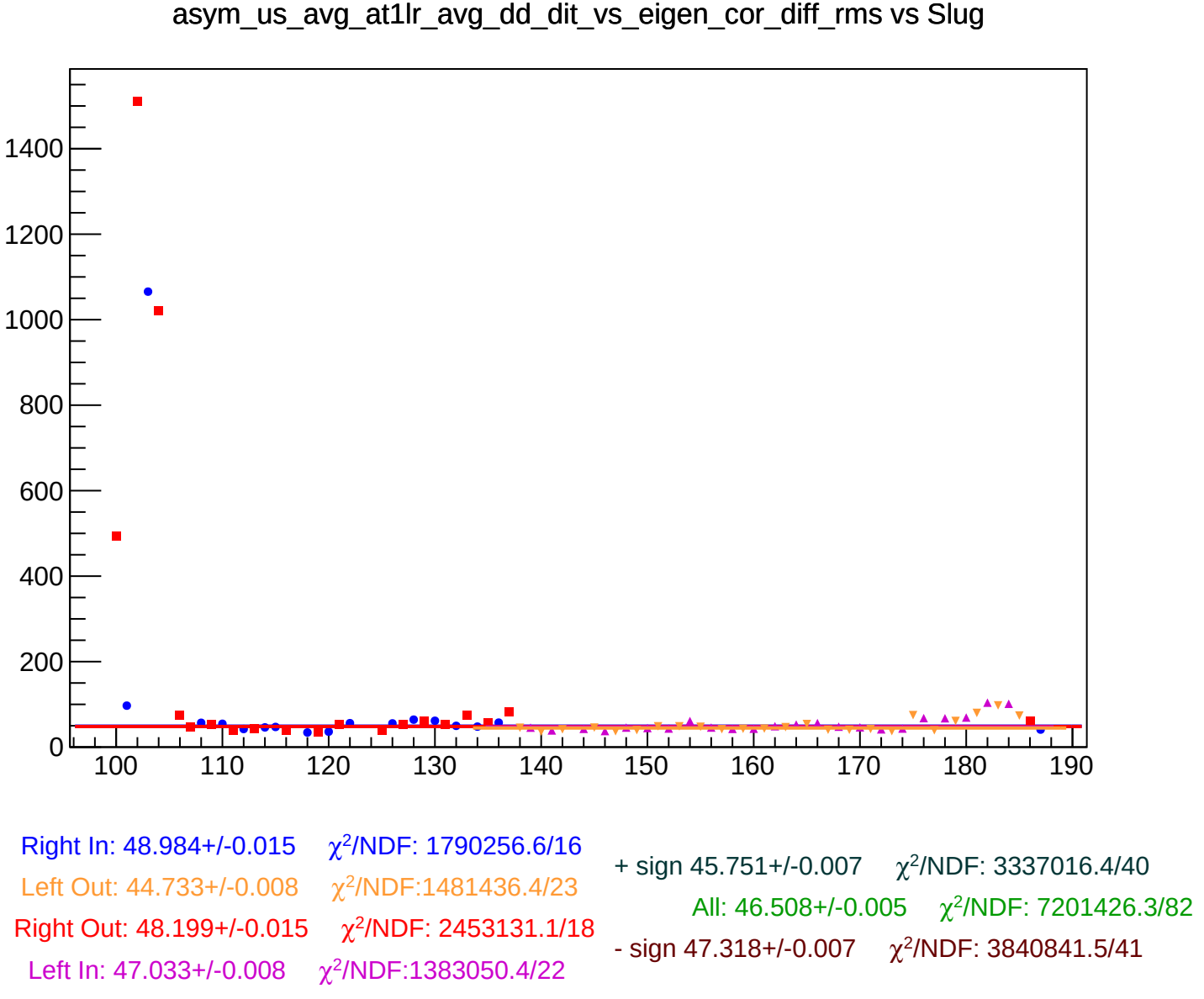
Right Out: -0.003+/-0.021 χ^2/NDF: 10.6/18

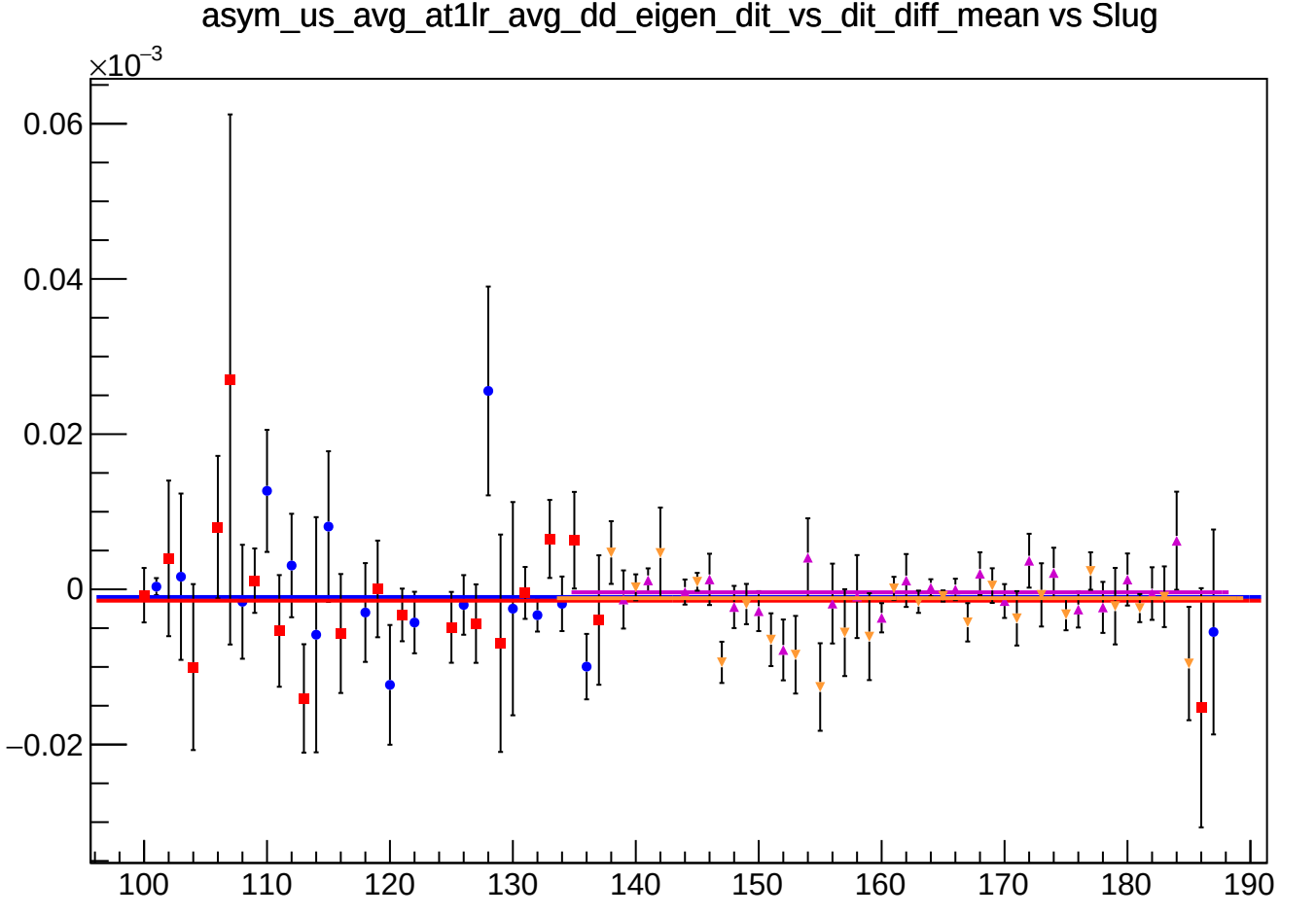
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

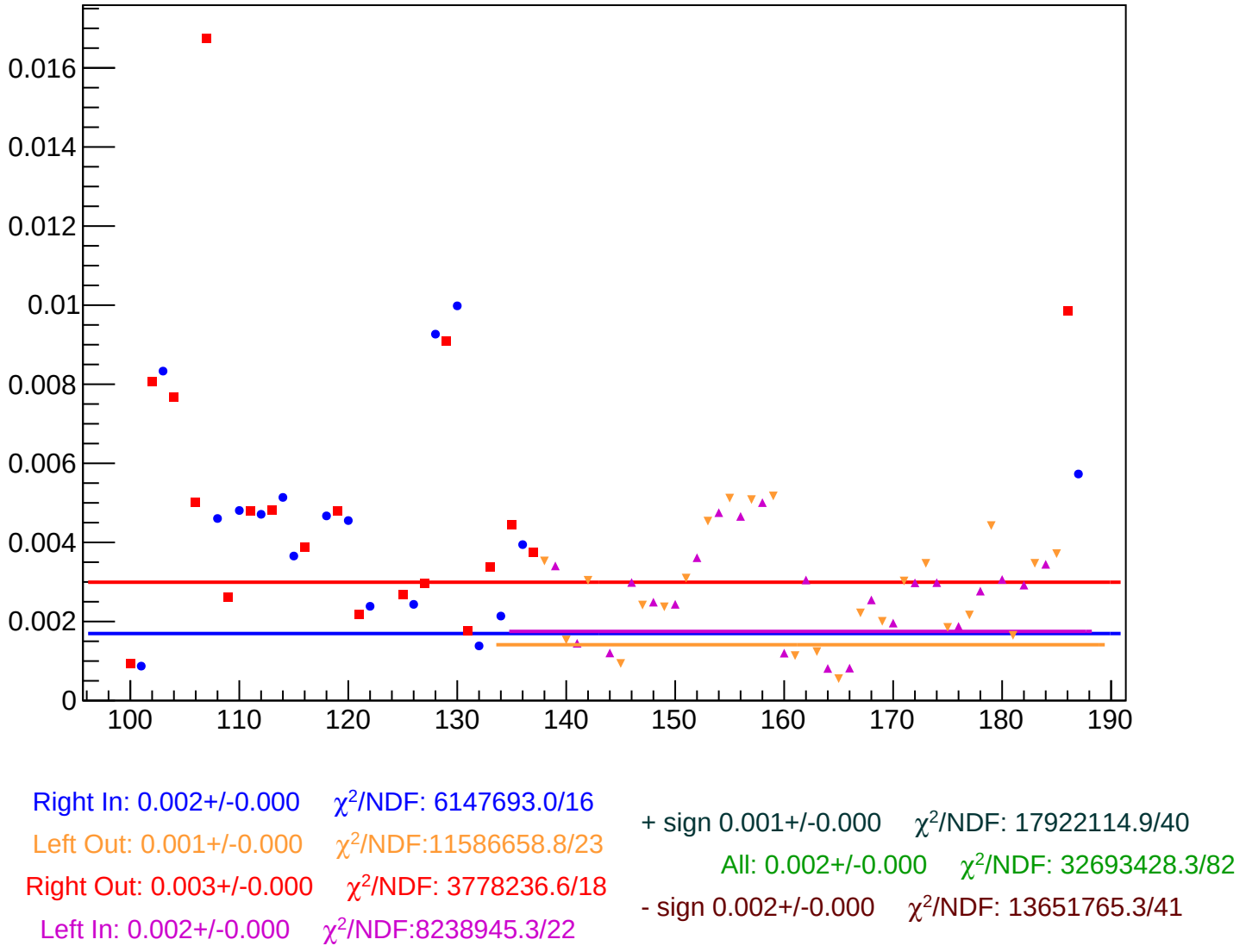
+ sign 0.005+/-0.010 χ^2/NDF: 53.8/40

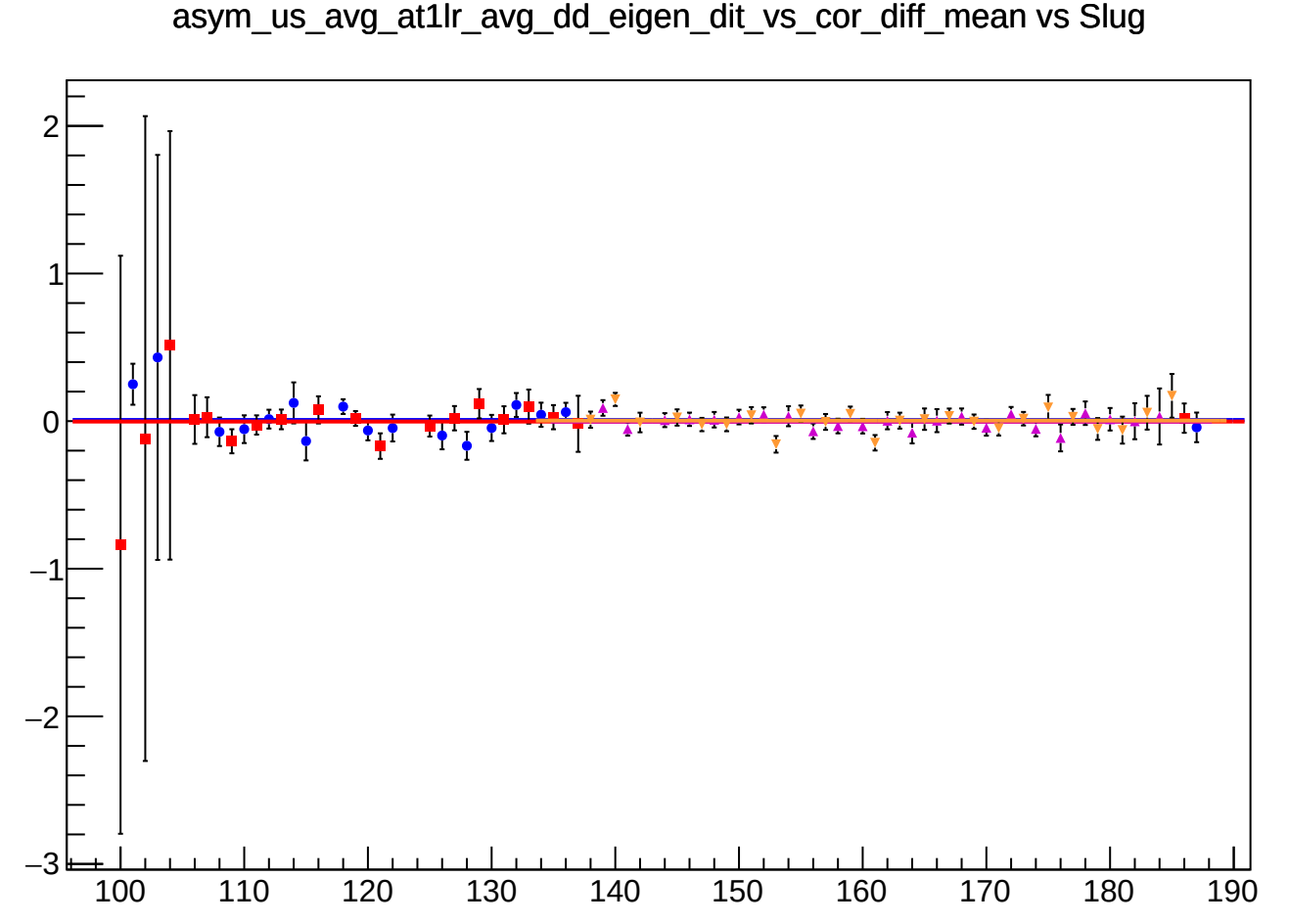
All: 0.001+/-0.007 χ^2/NDF: 79.1/82

- sign -0.003+/-0.010 χ^2/NDF: 25.0/41


asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 48.984+/-0.015 χ²/NDF: 1790256.6/16
Left Out: 44.733+/-0.008 χ²/NDF:1481436.4/23
Right Out: 48.199+/-0.015 χ²/NDF: 2453131.1/18
Left In: 47.033+/-0.008 χ²/NDF:1383050.4/22
+ sign 45.751+/-0.007 χ²/NDF: 3337016.4/40
All: 46.508+/-0.005 χ²/NDF: 7201426.3/82
- sign 47.318+/-0.007 χ²/NDF: 3840841.5/41


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.8/16
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 13.4/18
Left In: -0.000+/-0.000 χ²/NDF:16.3/22
+ sign -0.000+/-0.000 χ²/NDF: 54.5/40
All: -0.000+/-0.000 χ²/NDF: 85.9/82
- sign -0.000+/-0.000 χ²/NDF: 30.4/41


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 6147693.0/16
Left Out: 0.001+/-0.000 χ²/NDF:11586658.8/23
Right Out: 0.003+/-0.000 χ²/NDF: 3778236.6/18
Left In: 0.002+/-0.000 χ²/NDF:8238945.3/22
+ sign 0.001+/-0.000 χ²/NDF: 17922114.9/40
All: 0.002+/-0.000 χ²/NDF: 32693428.3/82
- sign 0.002+/-0.000 χ²/NDF: 13651765.3/41



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

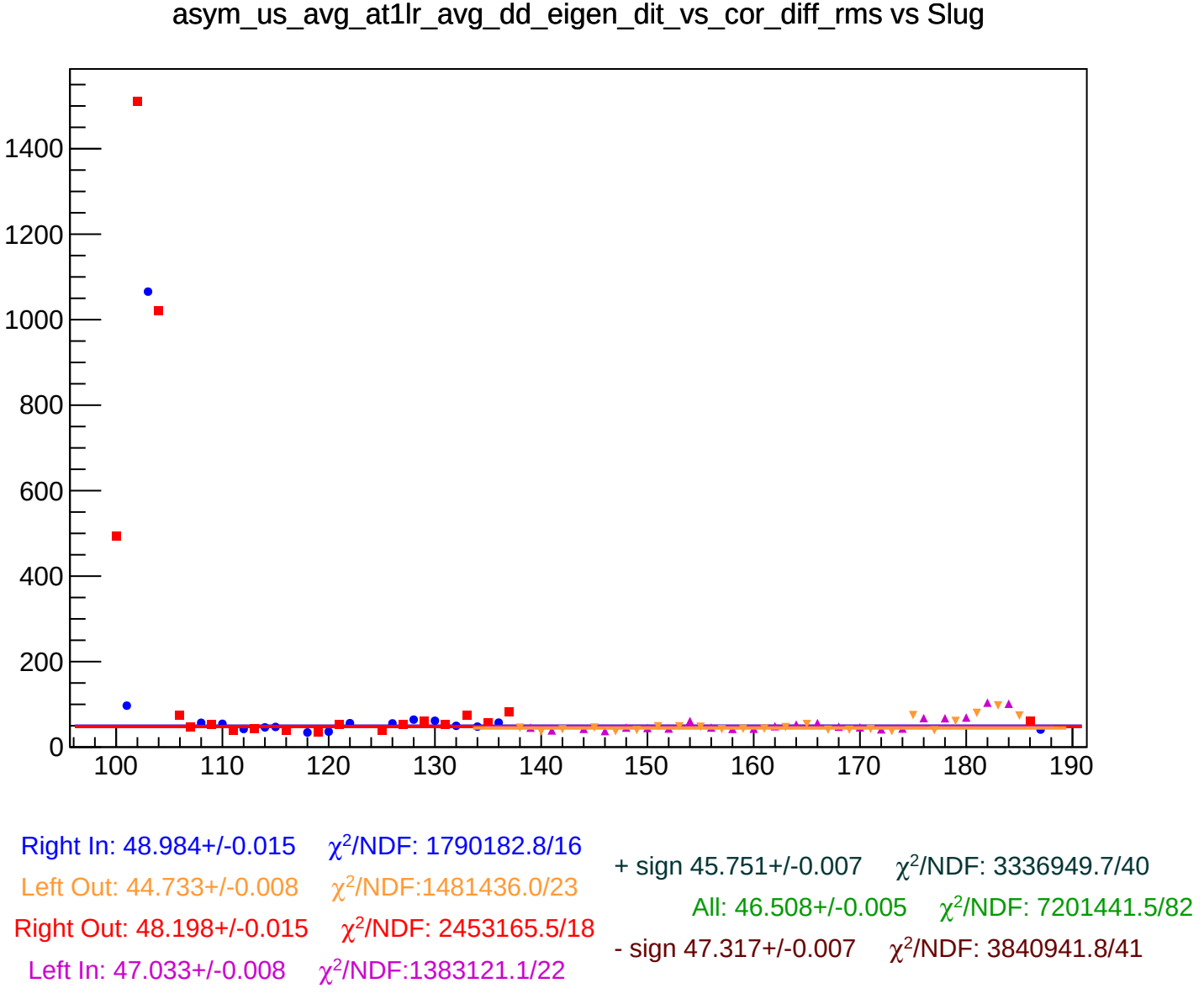
Right Out: -0.003+/-0.021 χ^2/NDF: 10.6/18

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

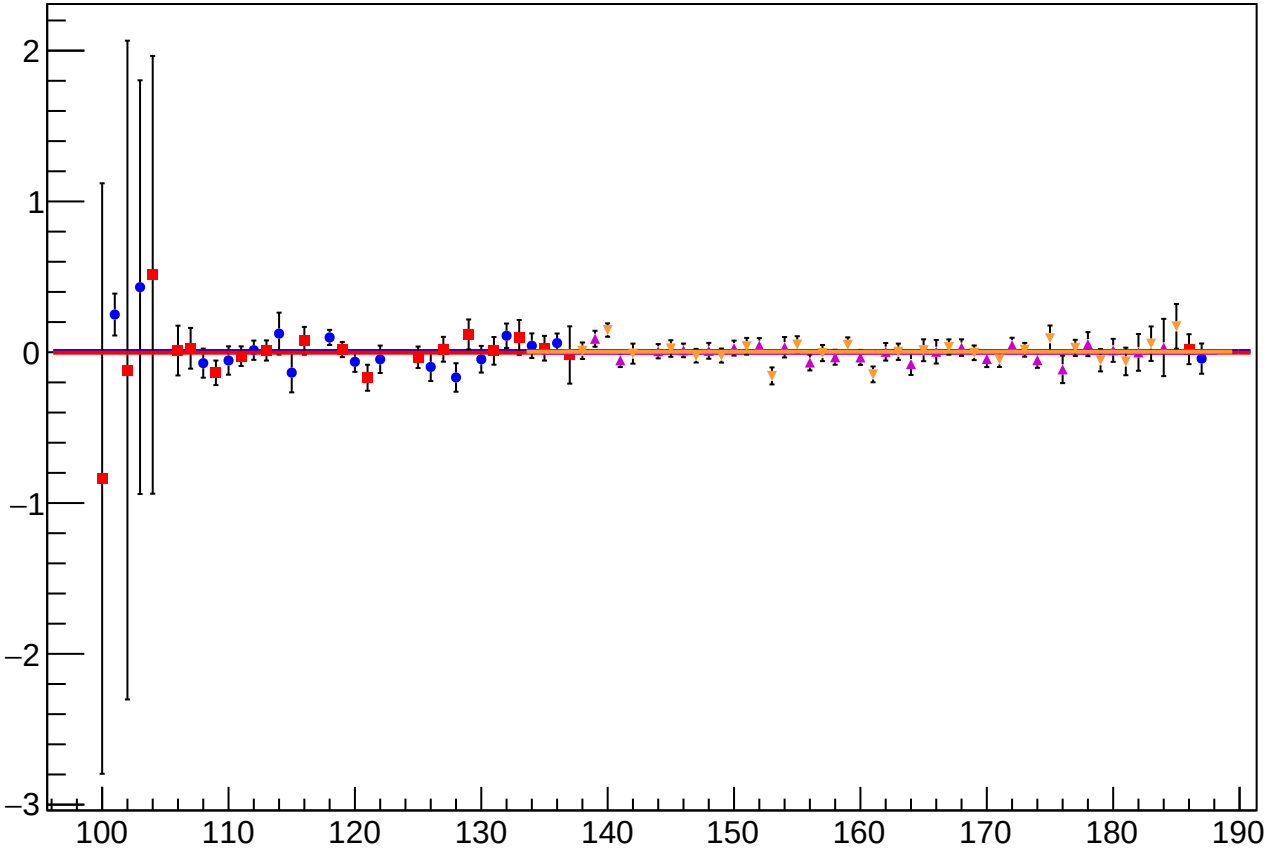
+ sign 0.005+/-0.010 χ^2/NDF: 53.8/40

All: 0.001+/-0.007 χ^2/NDF: 79.1/82

- sign -0.003+/-0.010 χ^2/NDF: 25.0/41


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 48.984+/-0.015 χ²/NDF: 1790182.8/16
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 48.198+/-0.015 χ²/NDF: 2453165.5/18
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 45.751+/-0.007 χ²/NDF: 3336949.7/40
All: 46.508+/-0.005 χ²/NDF: 7201441.5/82
- sign 47.317+/-0.007 χ²/NDF: 3840941.8/41

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

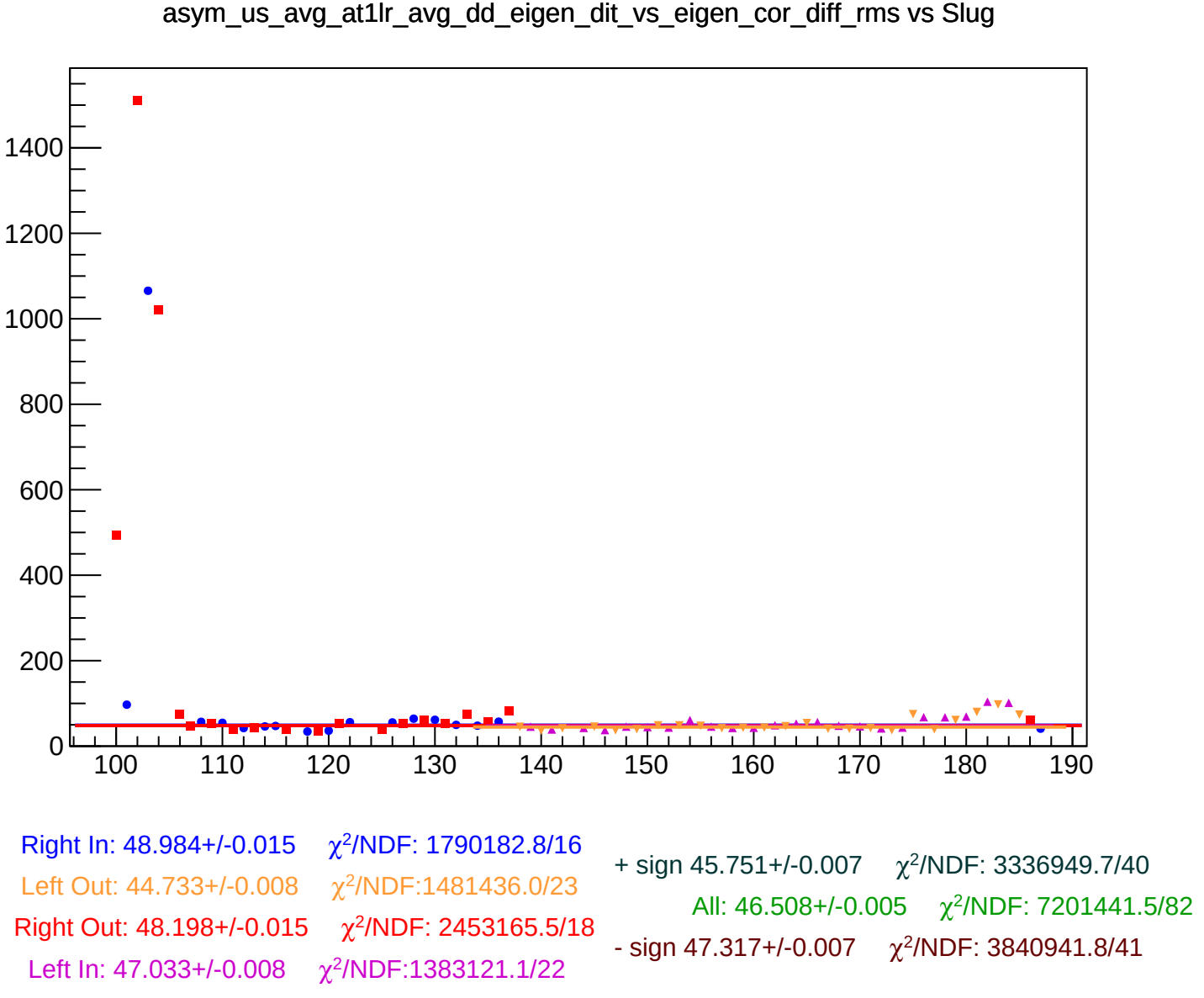
Right Out: -0.003+/-0.021 χ^2/NDF: 10.6/18

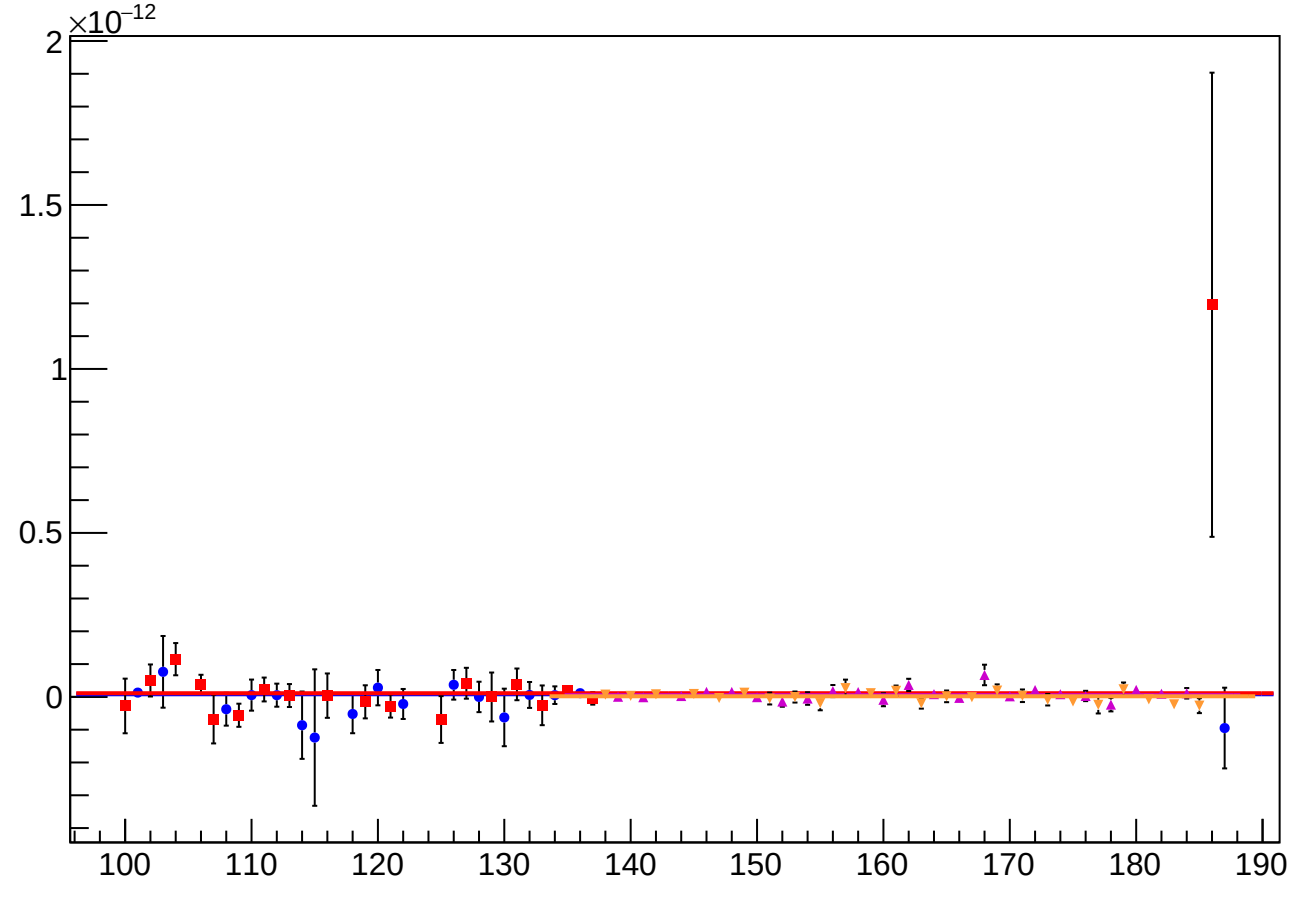
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.005+/-0.010 χ^2/NDF: 53.8/40

All: 0.001+/-0.007 χ^2/NDF: 79.1/82

- sign -0.003+/-0.010 χ^2/NDF: 25.0/41


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 48.984+/-0.015 χ²/NDF: 1790182.8/16
Left Out: 44.733+/-0.008 χ²/NDF:1481436.0/23
Right Out: 48.198+/-0.015 χ²/NDF: 2453165.5/18
Left In: 47.033+/-0.008 χ²/NDF:1383121.1/22
+ sign 45.751+/-0.007 χ²/NDF: 3336949.7/40
All: 46.508+/-0.005 χ²/NDF: 7201441.5/82
- sign 47.317+/-0.007 χ²/NDF: 3840941.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

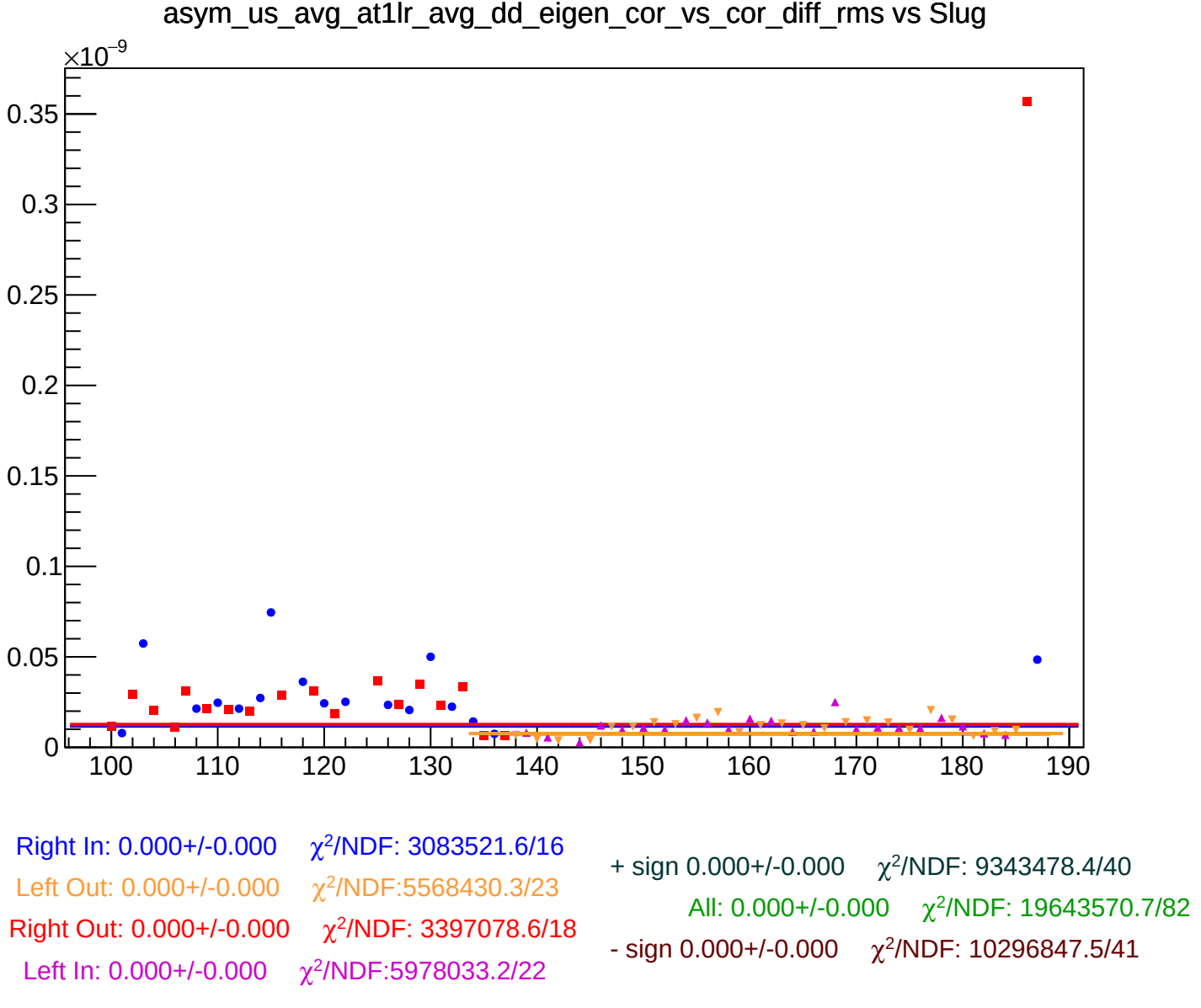
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/18

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

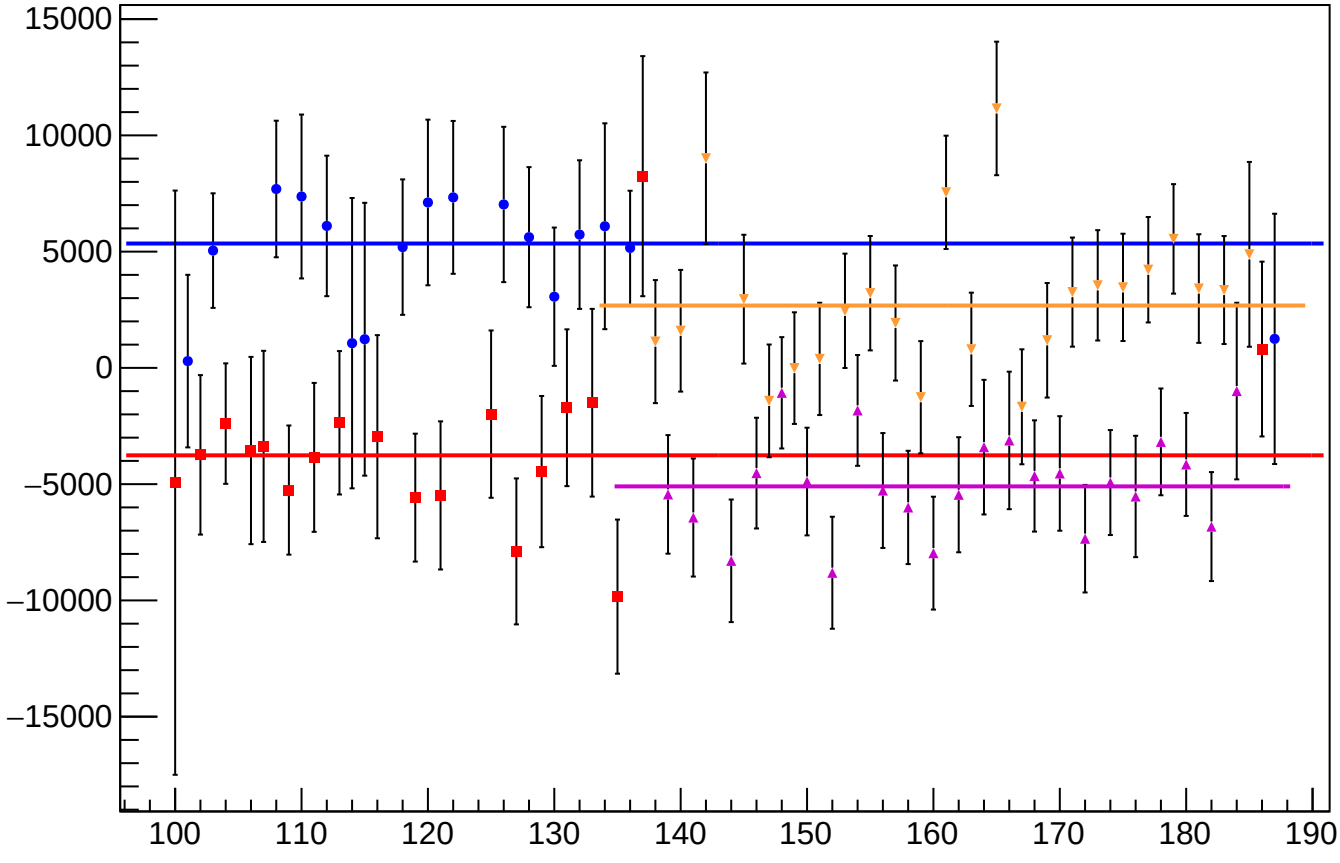
+ sign 0.000+/-0.000 χ^2/NDF: 27.5/40

All: 0.000+/-0.000 χ^2/NDF: 66.0/82

- sign 0.000+/-0.000 χ^2/NDF: 37.5/41


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3083521.6/16
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3397078.6/18
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
+ sign 0.000+/-0.000 χ²/NDF: 9343478.4/40
All: 0.000+/-0.000 χ²/NDF: 19643570.7/82
- sign 0.000+/-0.000 χ²/NDF: 10296847.5/41

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5348.853+/-803.428 χ^2/NDF: 6.0/16

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3759.974+/-790.909 χ^2/NDF: 14.5/18

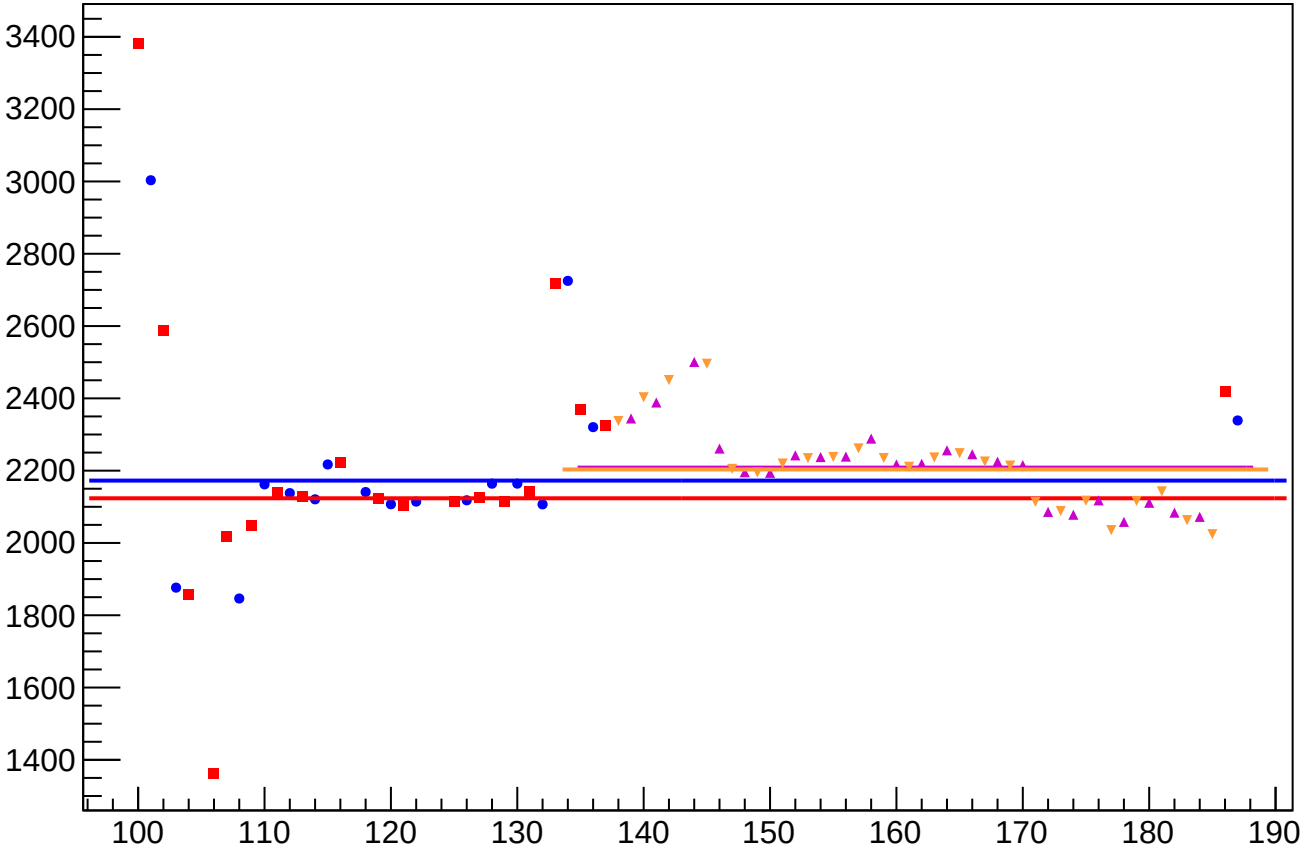
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3452.900+/-431.790 χ^2/NDF: 44.6/40

All: -617.355+/-305.500 χ^2/NDF: 254.0/82

- sign -4697.160+/-432.296 χ^2/NDF: 31.4/41

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.1/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

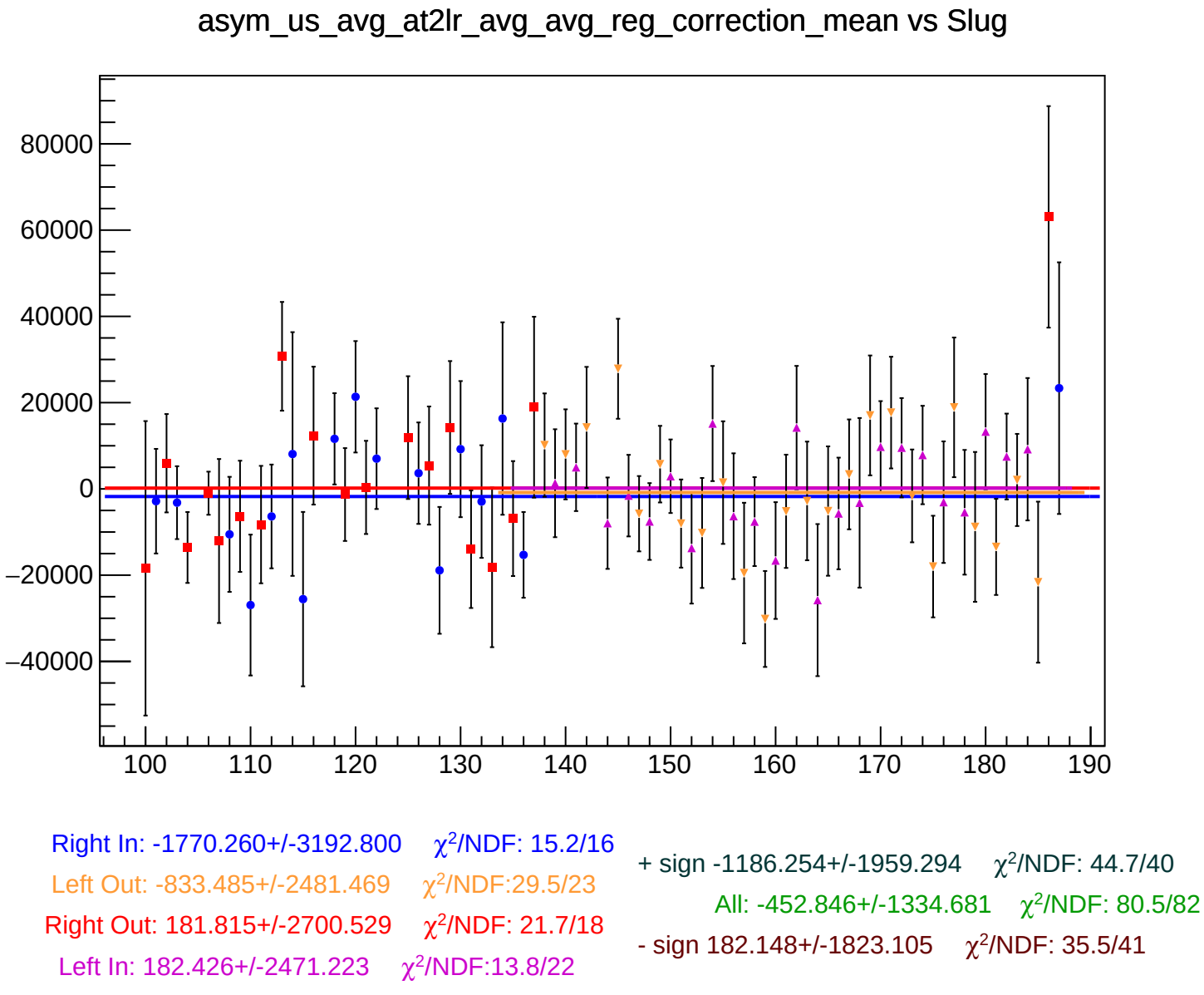
Right Out: 2123.572+/-0.551 χ^2/NDF: 280227.6/18

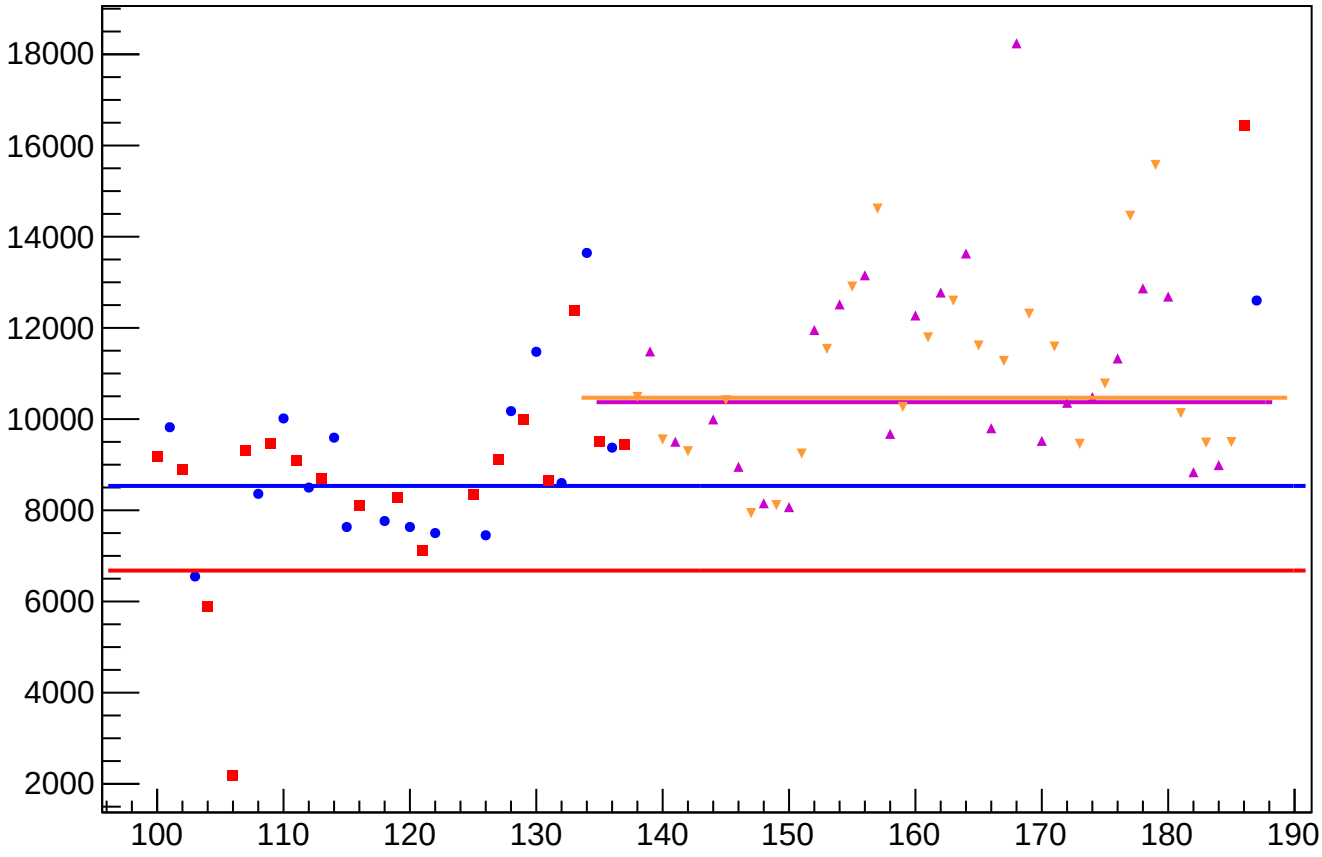
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.404+/-0.305 χ^2/NDF: 287911.2/40

All: 2188.429+/-0.216 χ^2/NDF: 666370.5/82

- sign 2182.495+/-0.304 χ^2/NDF: 377696.1/41


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1770.260+/-3192.800 χ²/NDF: 15.2/16
Left Out: -833.485+/-2481.469 χ²/NDF:29.5/23
Right Out: 181.815+/-2700.529 χ²/NDF: 21.7/18
Left In: 182.426+/-2471.223 χ²/NDF:13.8/22
+ sign -1186.254+/-1959.294 χ²/NDF: 44.7/40
All: -452.846+/-1334.681 χ²/NDF: 80.5/82
- sign 182.148+/-1823.105 χ²/NDF: 35.5/41



Right In: 8534.290+/-2.258 χ^2/NDF: 462029.9/16

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 6677.927+/-1.910 χ^2/NDF: 2861403.1/18

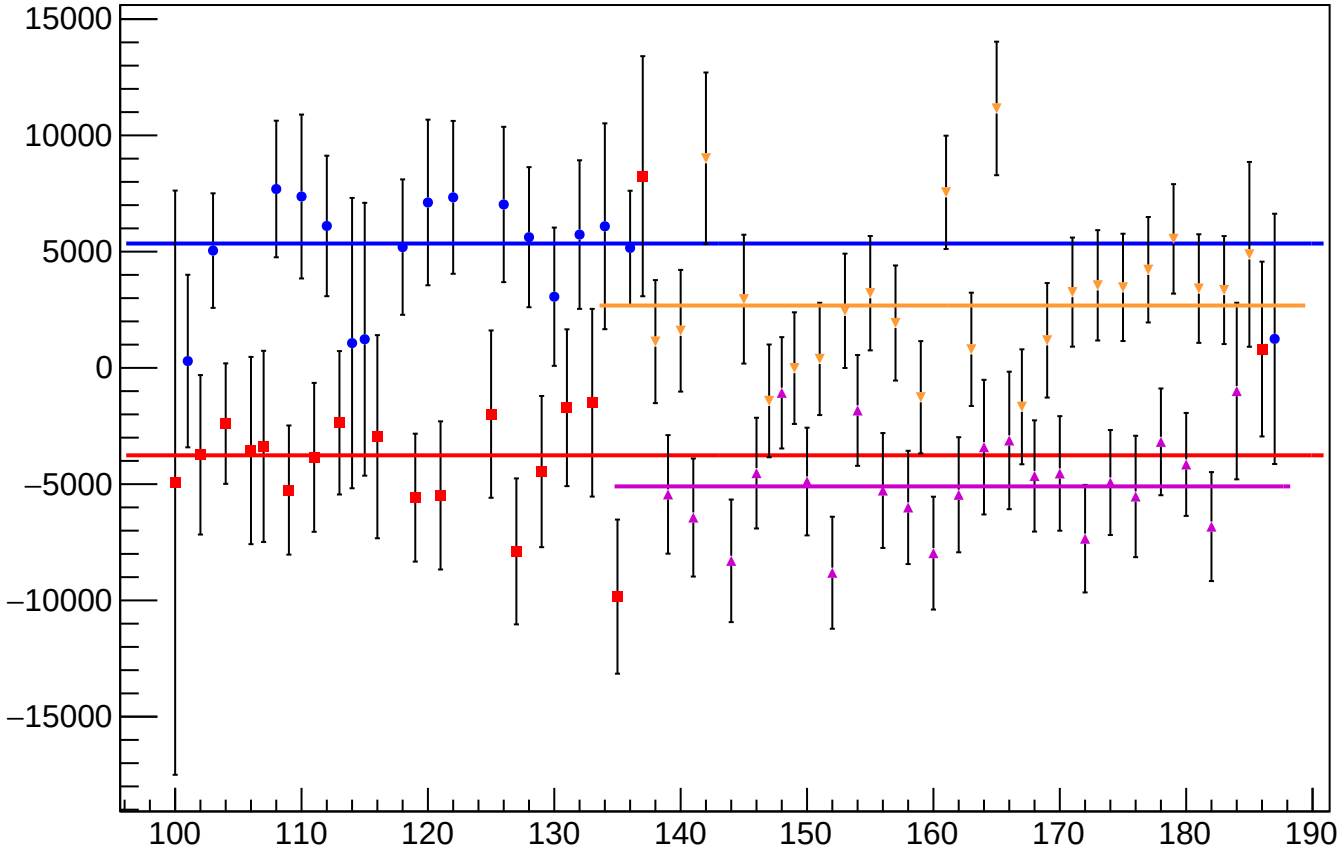
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 9740.228+/-1.385 χ^2/NDF: 1964959.6/40

All: 9176.185+/-0.944 χ^2/NDF: 8374935.8/82

- sign 8687.829+/-1.289 χ^2/NDF: 6100716.4/41

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5349.000+/-803.429 χ^2/NDF: 6.0/16

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3759.730+/-790.909 χ^2/NDF: 14.5/18

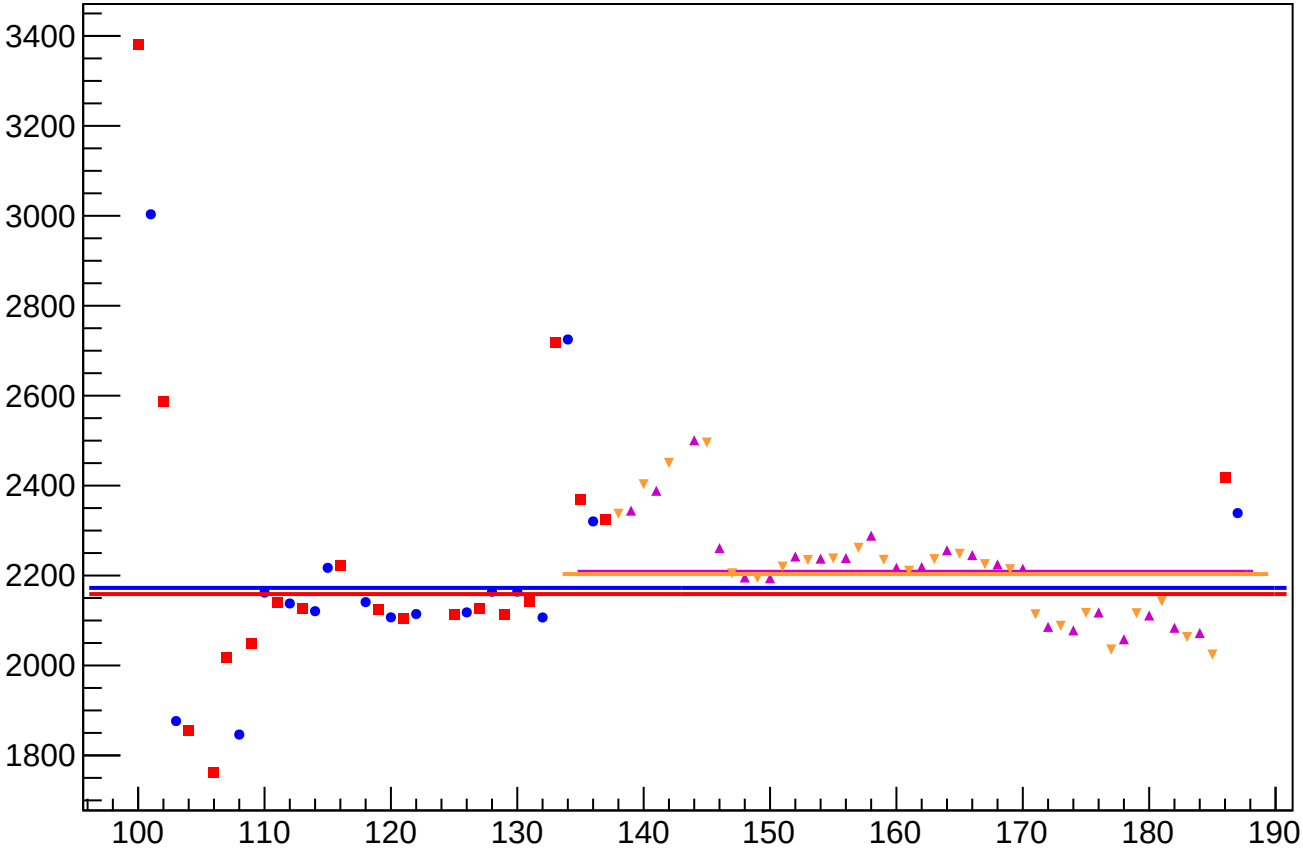
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3452.886+/-431.790 χ^2/NDF: 44.6/40

All: -617.293+/-305.500 χ^2/NDF: 254.0/82

- sign -4697.022+/-432.296 χ^2/NDF: 31.4/41

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.5/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

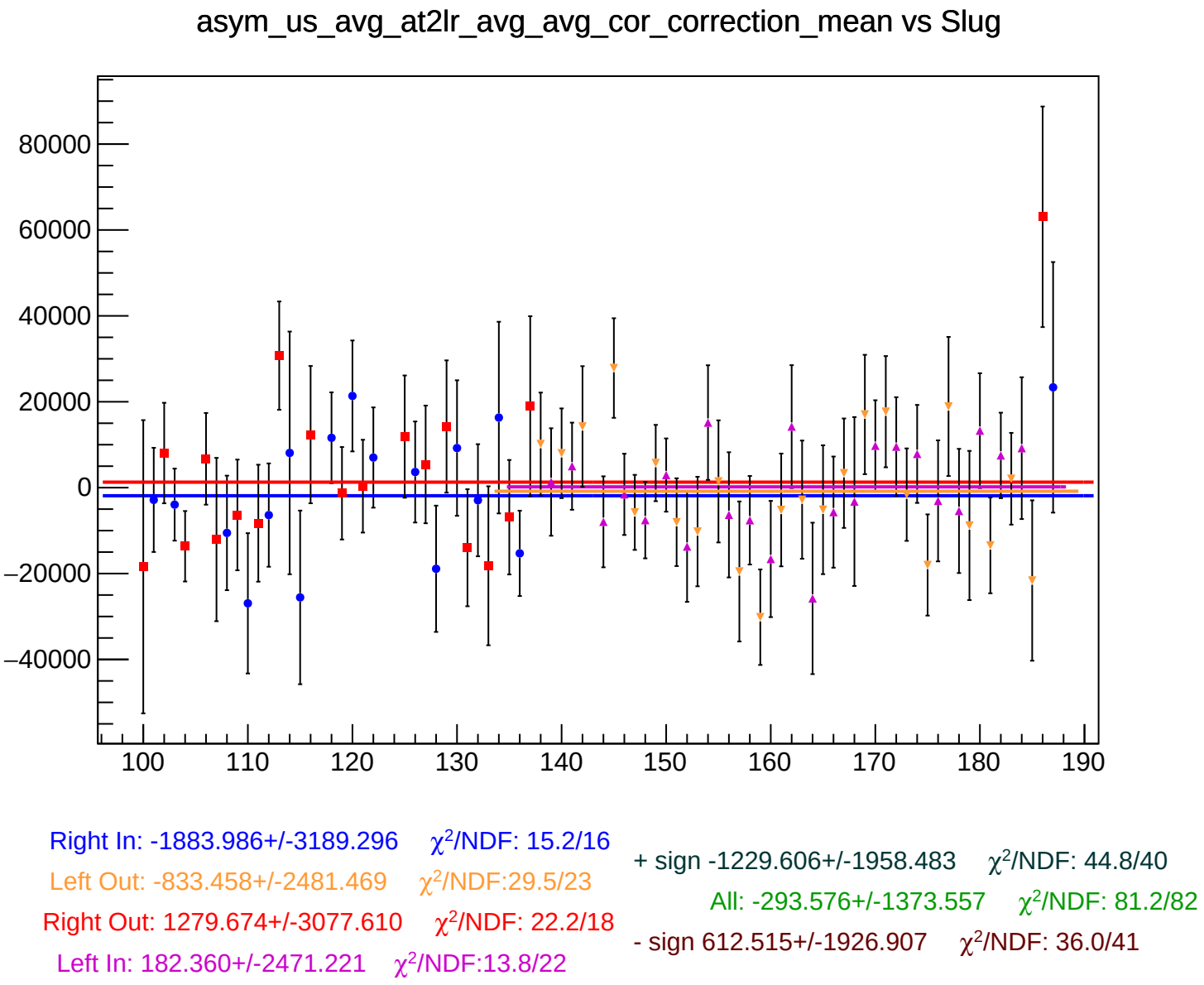
Right Out: 2158.774+/-0.557 χ^2/NDF: 167692.4/18

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

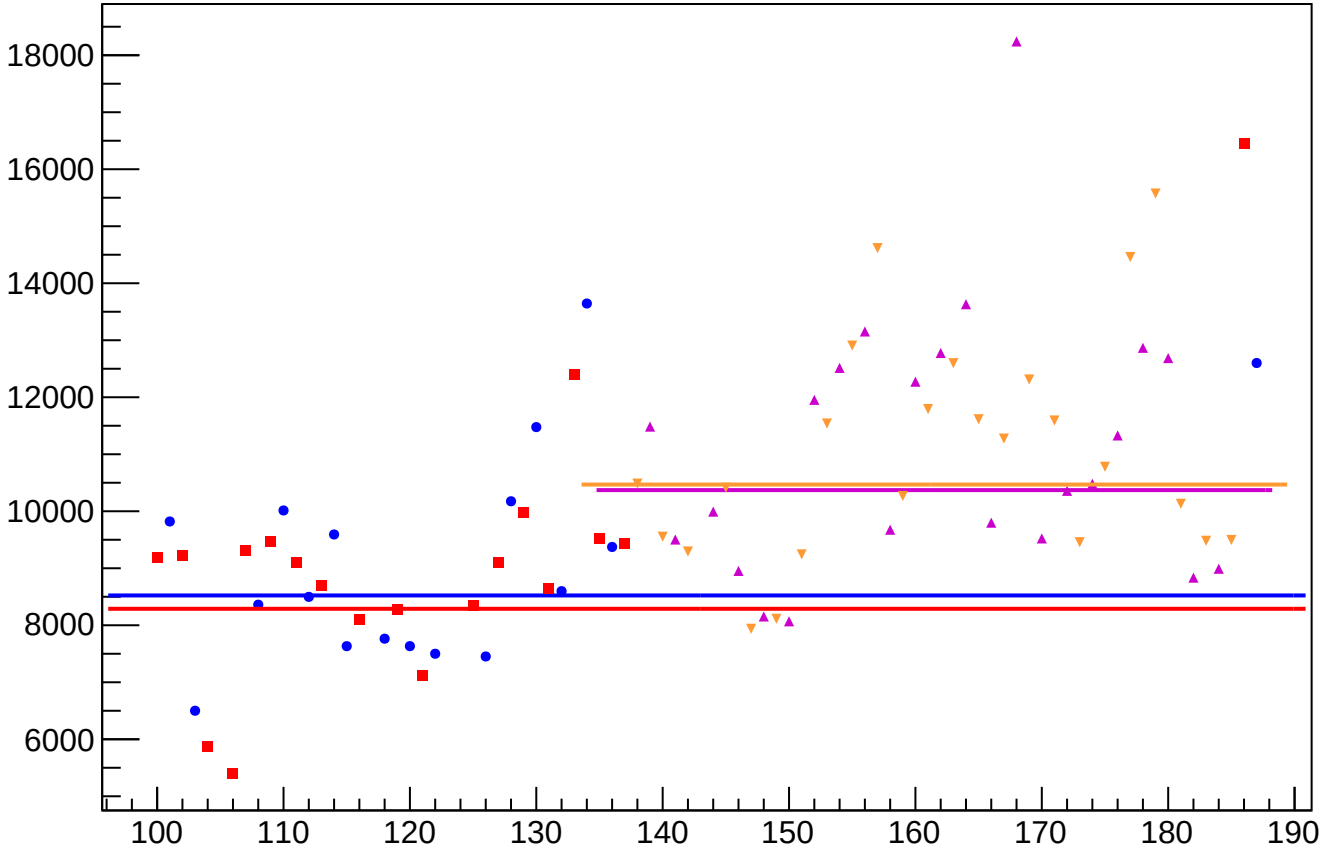
+ sign 2194.404+/-0.305 χ^2/NDF: 287911.6/40

All: 2193.932+/-0.216 χ^2/NDF: 542156.9/82

- sign 2193.461+/-0.305 χ^2/NDF: 254240.6/41


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1883.986+/-3189.296 χ²/NDF: 15.2/16
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 1279.674+/-3077.610 χ²/NDF: 22.2/18
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -1229.606+/-1958.483 χ²/NDF: 44.8/40
All: -293.576+/-1373.557 χ²/NDF: 81.2/82
- sign 612.515+/-1926.907 χ²/NDF: 36.0/41

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug



Right In: 8523.060+/-2.255 χ^2/NDF: 469088.4/16

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

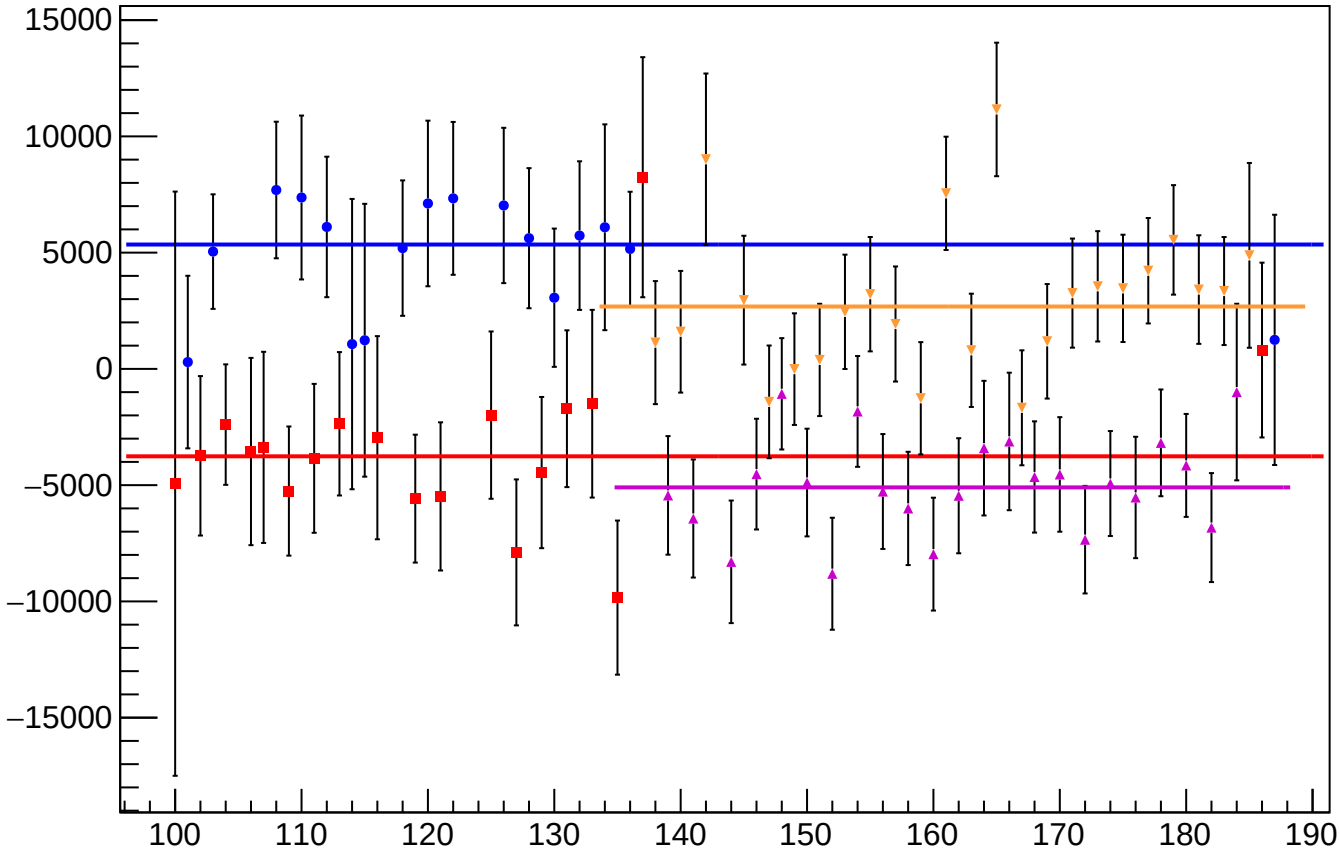
Right Out: 8288.873+/-2.176 χ^2/NDF: 744584.0/18

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9734.995+/-1.385 χ^2/NDF: 1977982.9/40

All: 9643.393+/-0.971 χ^2/NDF: 4491444.9/82

- sign 9554.721+/-1.363 χ^2/NDF: 2504851.5/41



Right In: 5349.000+/-803.429 χ^2/NDF: 6.0/16

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3759.730+/-790.909 χ^2/NDF: 14.5/18

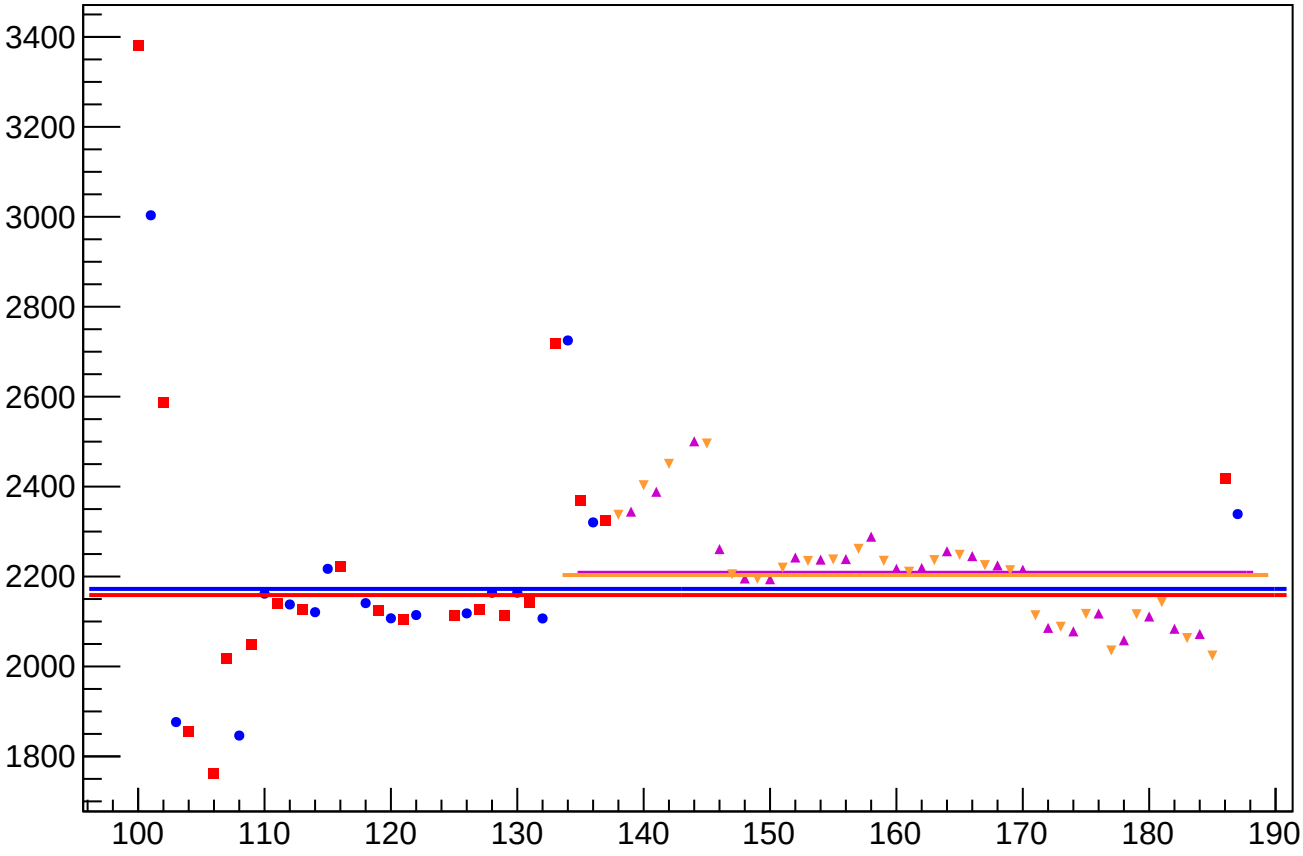
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3452.886+/-431.790 χ^2/NDF: 44.6/40

All: -617.293+/-305.500 χ^2/NDF: 254.0/82

- sign -4697.022+/-432.296 χ^2/NDF: 31.4/41

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.5/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

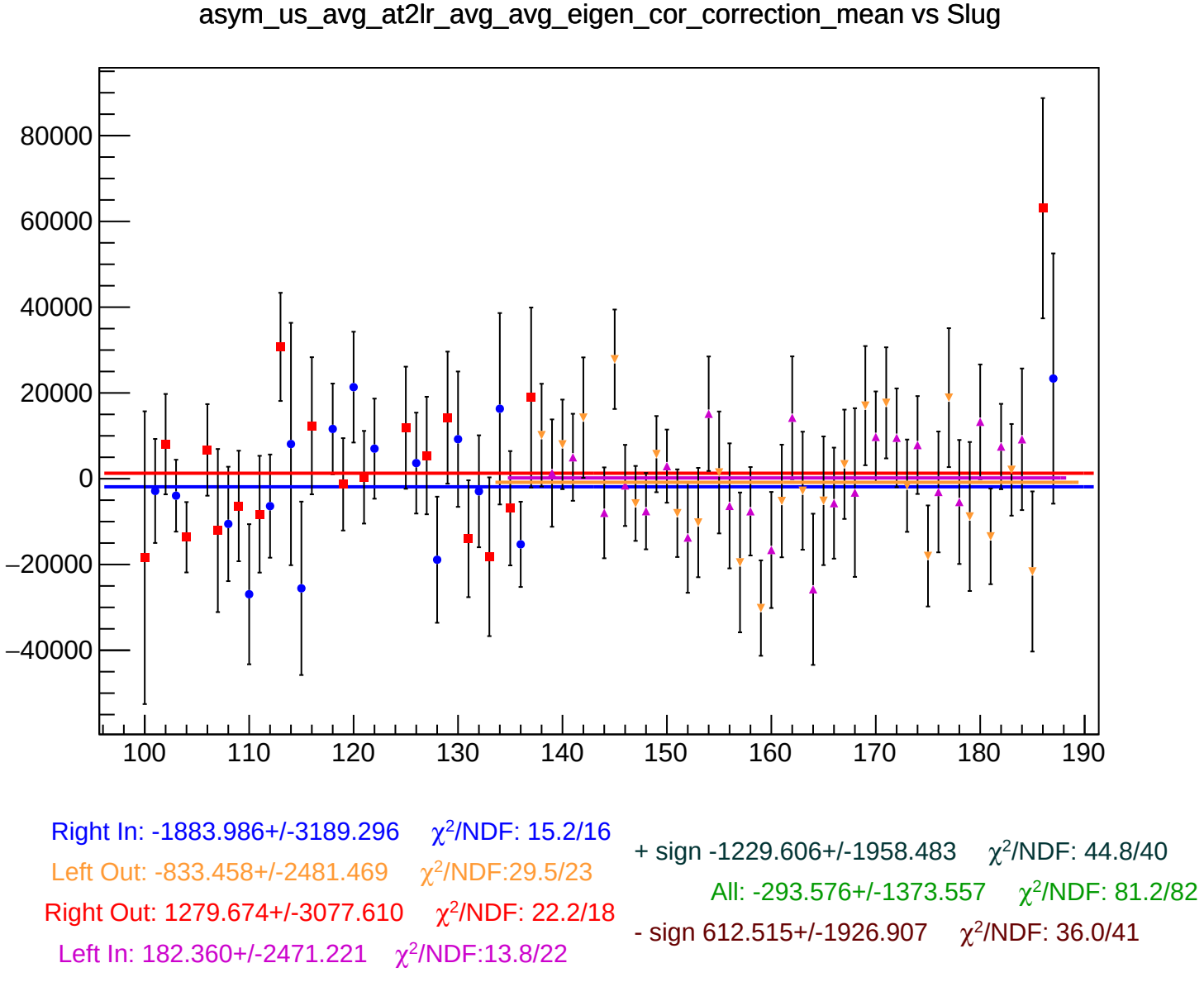
Right Out: 2158.774+/-0.557 χ^2/NDF: 167692.4/18

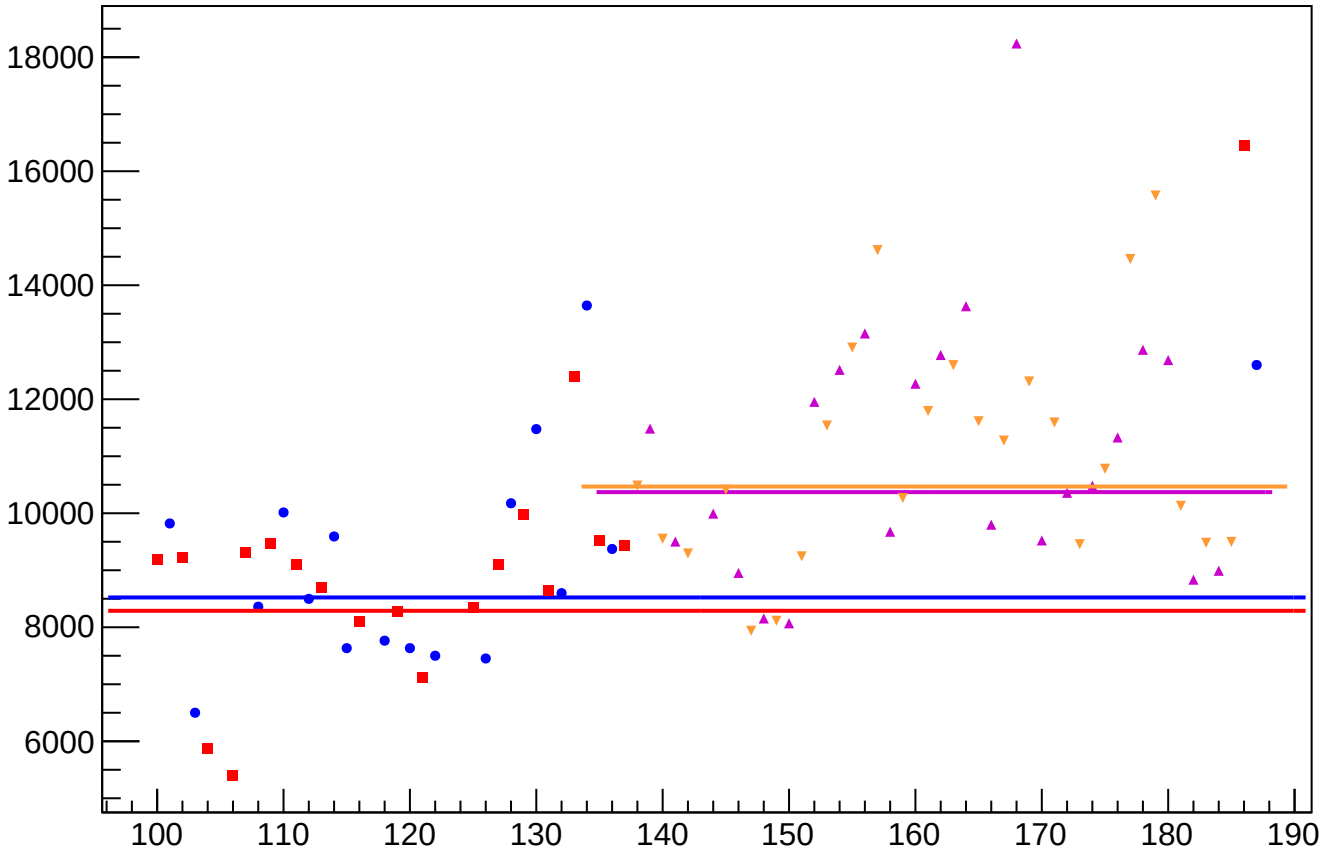
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2194.404+/-0.305 χ^2/NDF: 287911.6/40

All: 2193.932+/-0.216 χ^2/NDF: 542156.9/82

- sign 2193.461+/-0.305 χ^2/NDF: 254240.6/41


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1883.986+/-3189.296 χ²/NDF: 15.2/16
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 1279.674+/-3077.610 χ²/NDF: 22.2/18
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -1229.606+/-1958.483 χ²/NDF: 44.8/40
All: -293.576+/-1373.557 χ²/NDF: 81.2/82
- sign 612.515+/-1926.907 χ²/NDF: 36.0/41



Right In: 8523.060+/-2.255 χ^2/NDF: 469088.4/16

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8288.873+/-2.176 χ^2/NDF: 744584.0/18

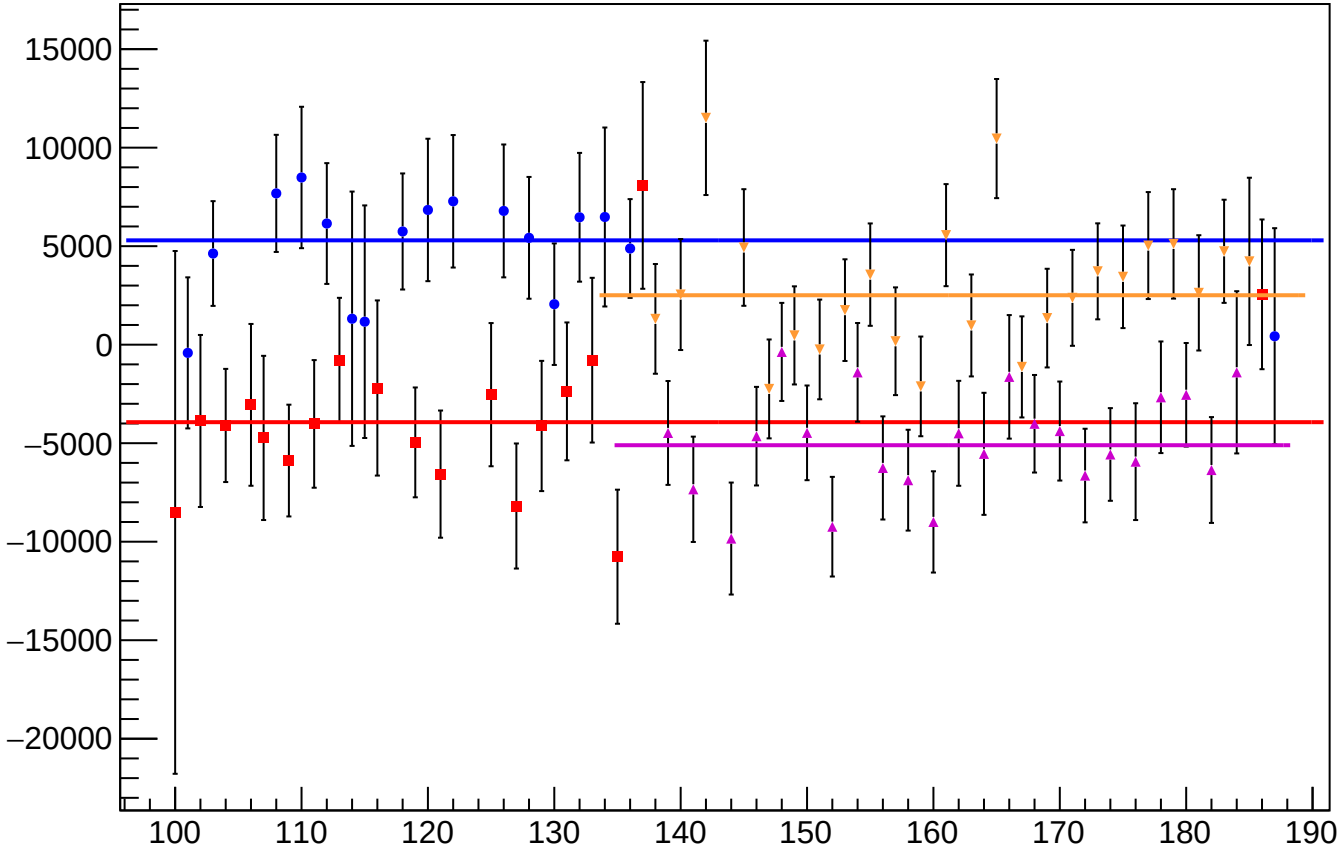
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 9734.995+/-1.385 χ^2/NDF: 1977982.9/40

All: 9643.393+/-0.971 χ^2/NDF: 4491444.9/82

- sign 9554.721+/-1.363 χ^2/NDF: 2504851.5/41

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5295.419+/-824.223 χ^2/NDF: 7.5/16

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3933.310+/-819.579 χ^2/NDF: 17.5/18

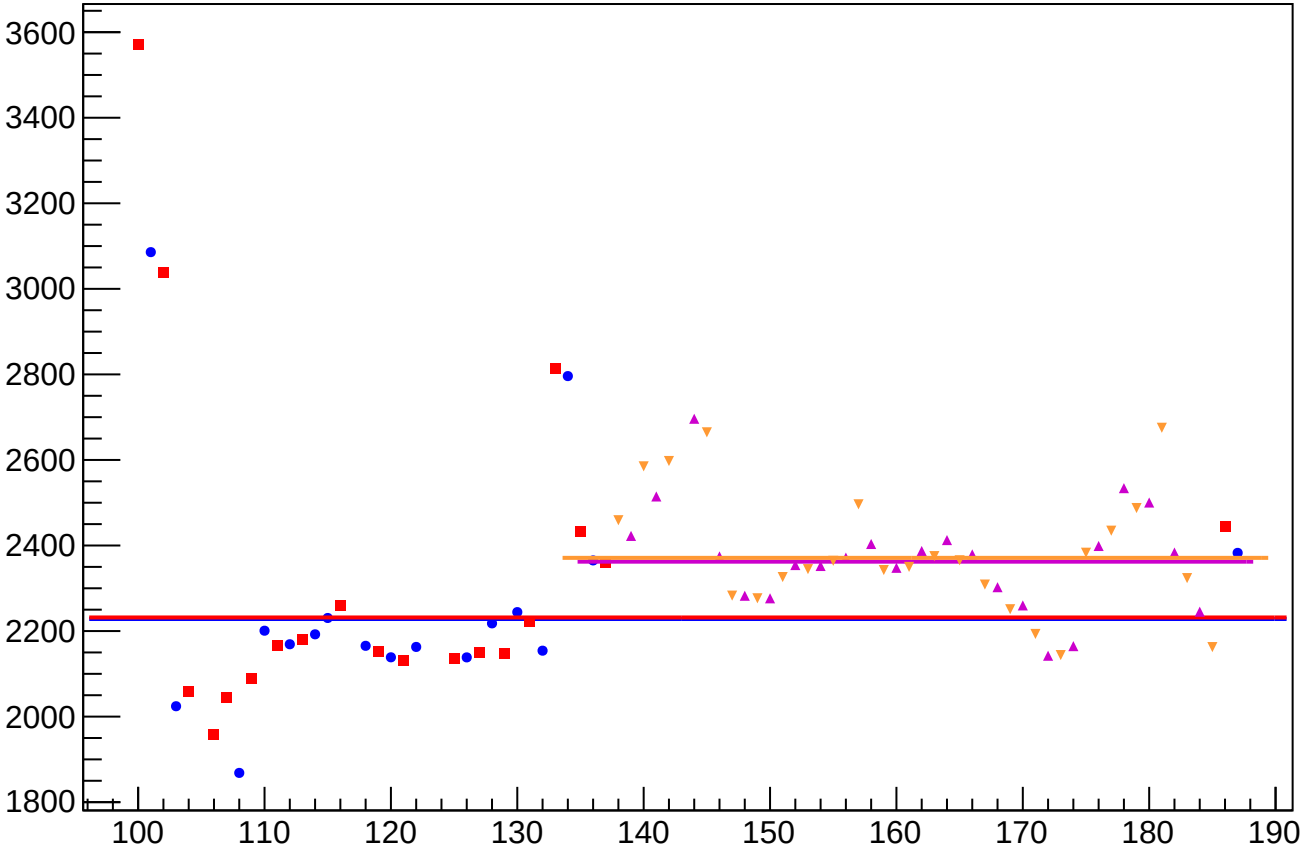
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3370.918+/-458.415 χ^2/NDF: 45.2/40

All: -685.418+/-324.062 χ^2/NDF: 240.6/82

- sign -4737.446+/-458.171 χ^2/NDF: 38.8/41

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2228.185+/-0.583 χ^2/NDF: 186305.0/16

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

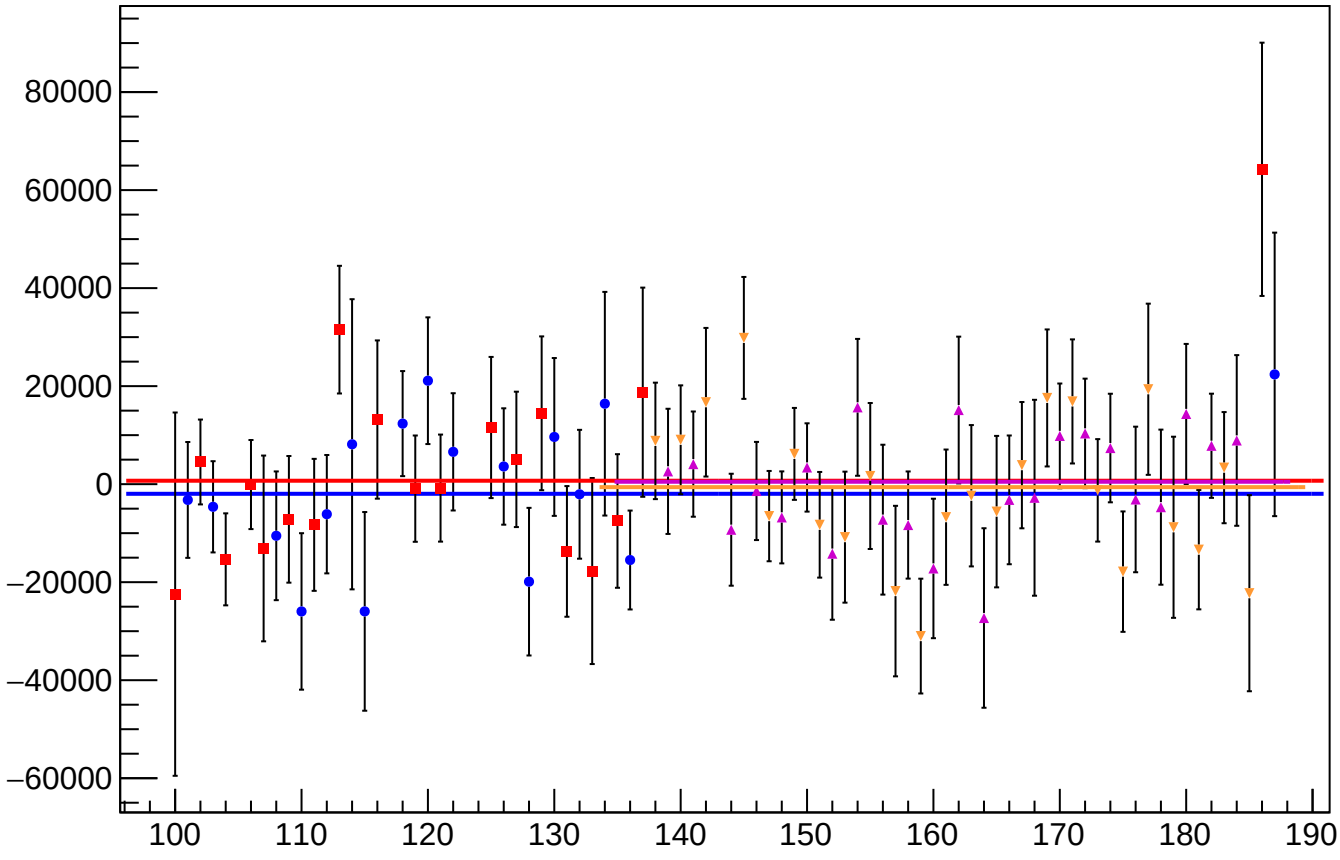
Right Out: 2231.779+/-0.579 χ^2/NDF: 176501.3/18

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2326.917+/-0.324 χ^2/NDF: 344153.1/40

All: 2324.167+/-0.229 χ^2/NDF: 647551.0/82

- sign 2321.420+/-0.324 χ^2/NDF: 303254.1/41



Right In: -1966.693+/-3251.017 χ^2/NDF: 15.2/16

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

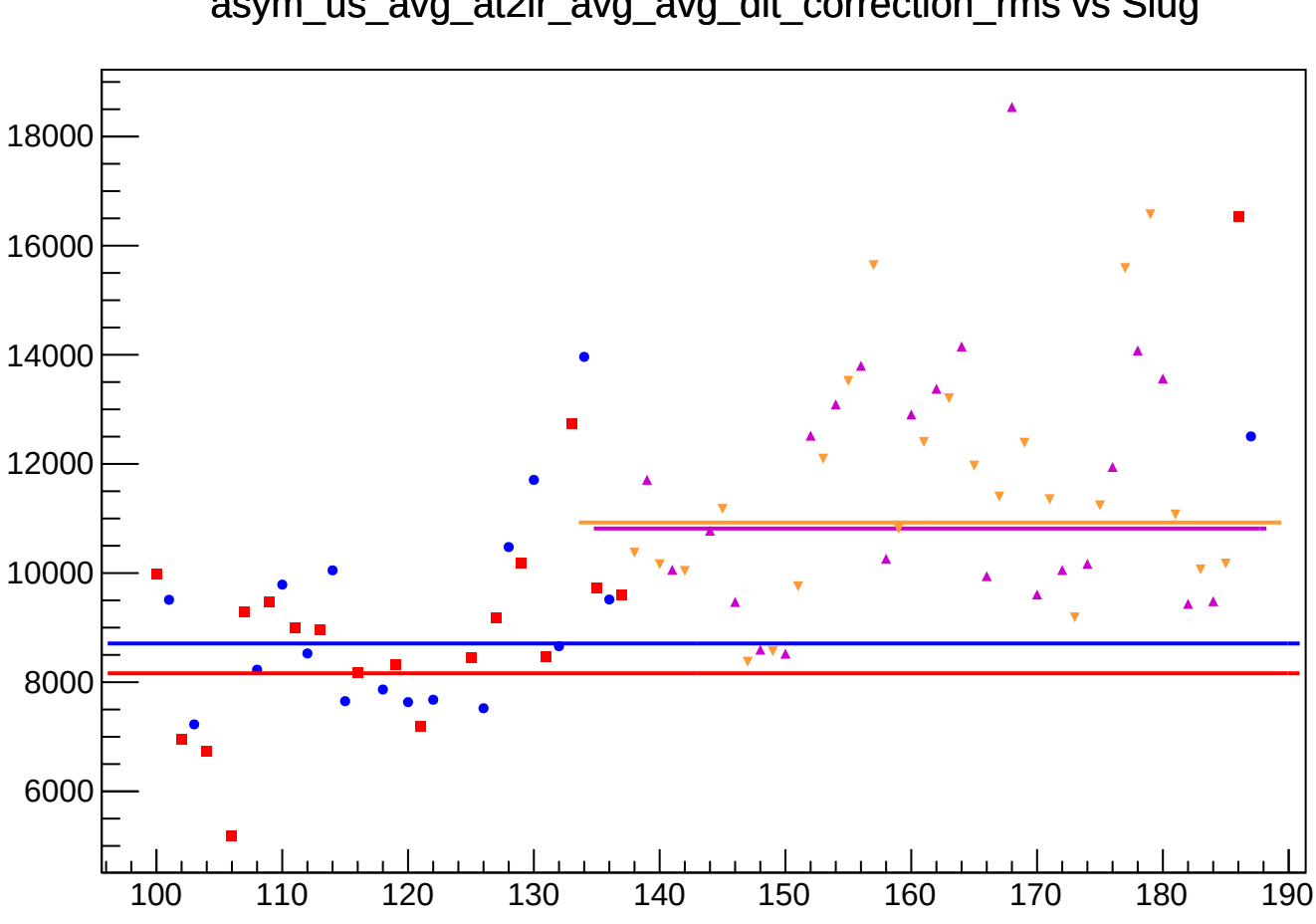
Right Out: 699.819+/-3014.627 χ^2/NDF: 21.8/18

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -1135.683+/-2025.694 χ^2/NDF: 44.2/40

All: -249.816+/-1408.185 χ^2/NDF: 79.9/82

- sign 578.622+/-1958.933 χ^2/NDF: 35.3/41



Right In: 8709.292+/-2.299 χ^2/NDF: 392835.1/16

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

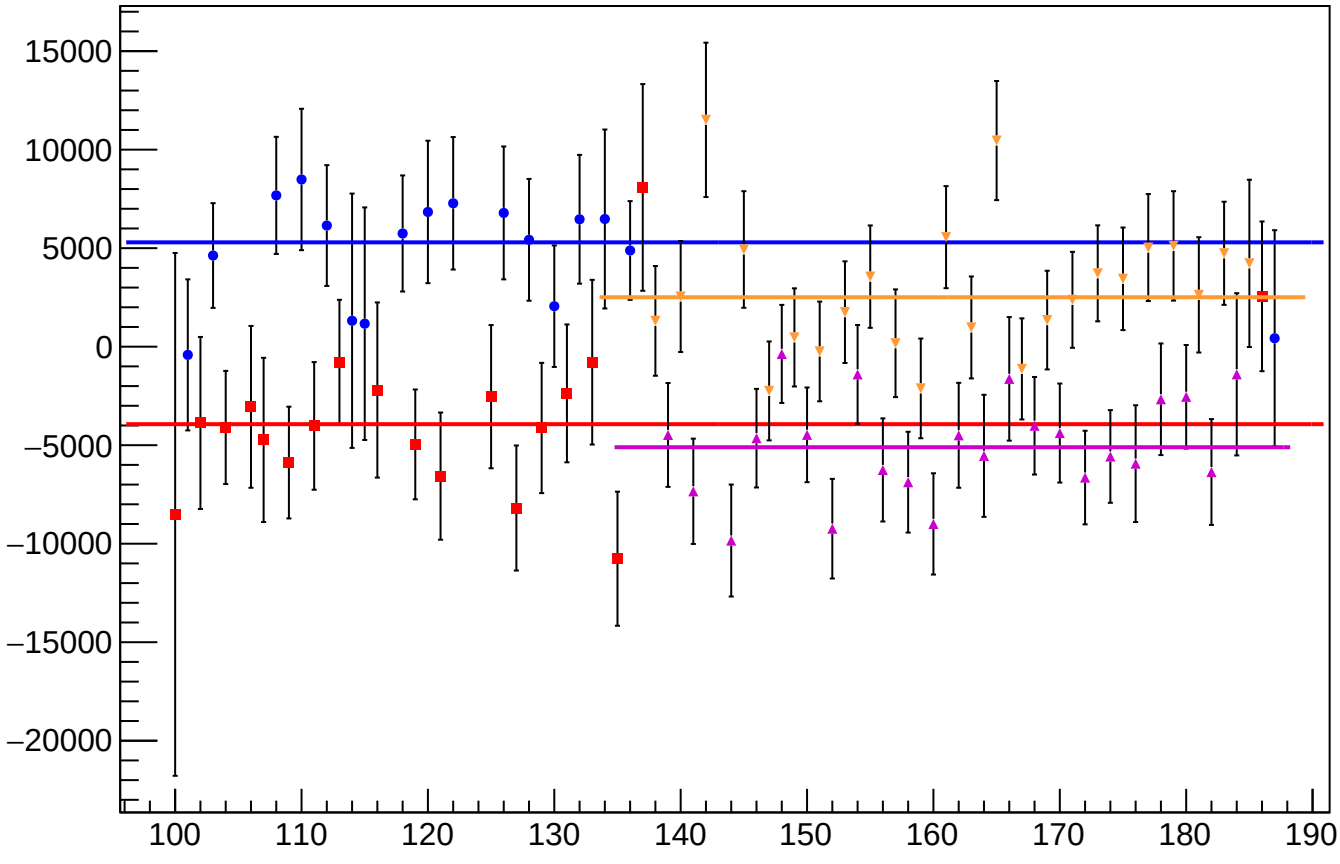
Right Out: 8163.031+/-2.132 χ^2/NDF: 771576.0/18

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10065.894+/-1.432 χ^2/NDF: 2019439.6/40

All: 9874.732+/-0.996 χ^2/NDF: 4917400.6/82

- sign 9695.963+/-1.385 χ^2/NDF: 2863494.1/41



Right In: 5295.421+/-824.223 χ^2/NDF: 7.5/16

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3933.320+/-819.578 χ^2/NDF: 17.5/18

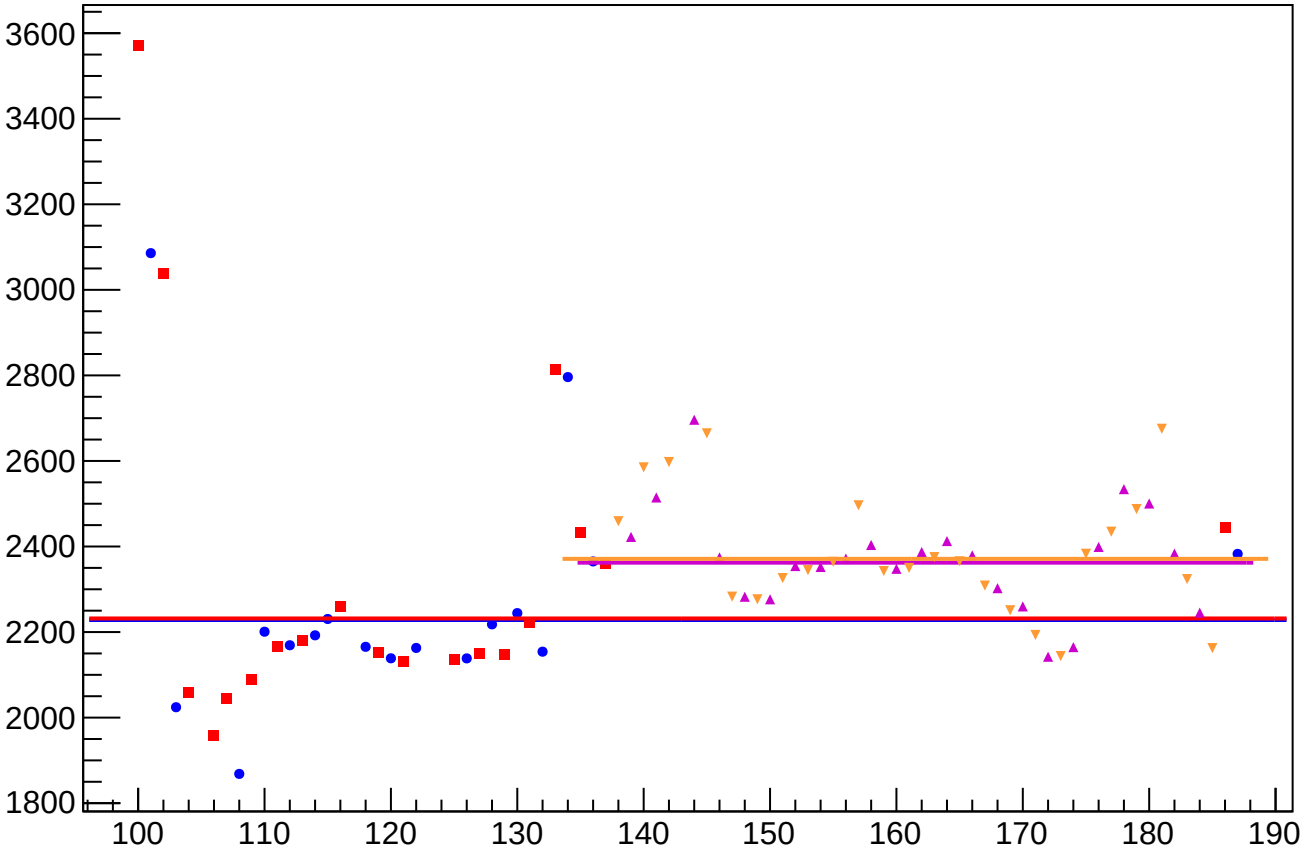
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3370.913+/-458.415 χ^2/NDF: 45.2/40

All: -685.423+/-324.063 χ^2/NDF: 240.6/82

- sign -4737.450+/-458.172 χ^2/NDF: 38.8/41

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2228.184+/-0.583 χ^2/NDF: 186305.3/16

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

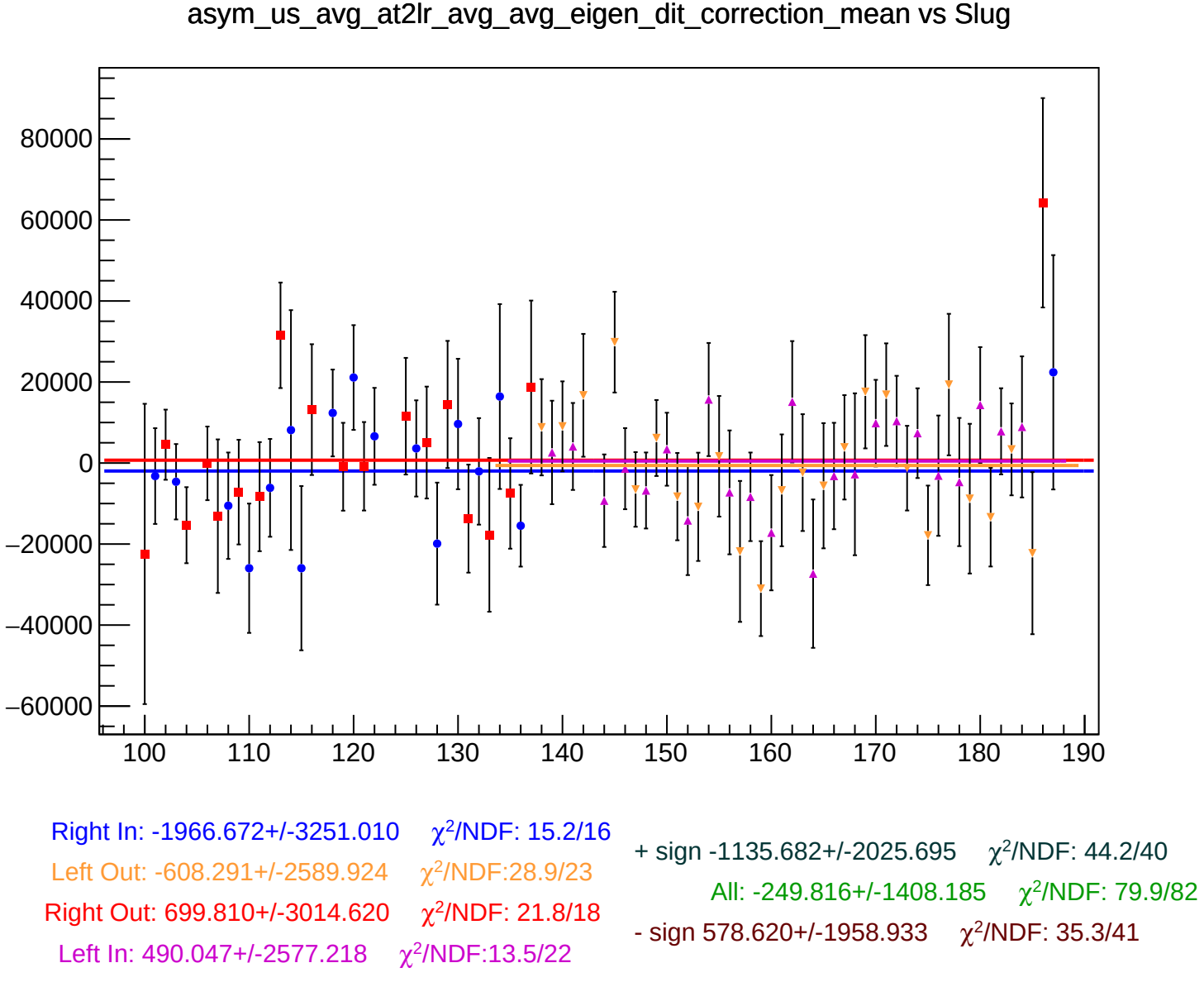
Right Out: 2231.778+/-0.579 χ^2/NDF: 176501.2/18

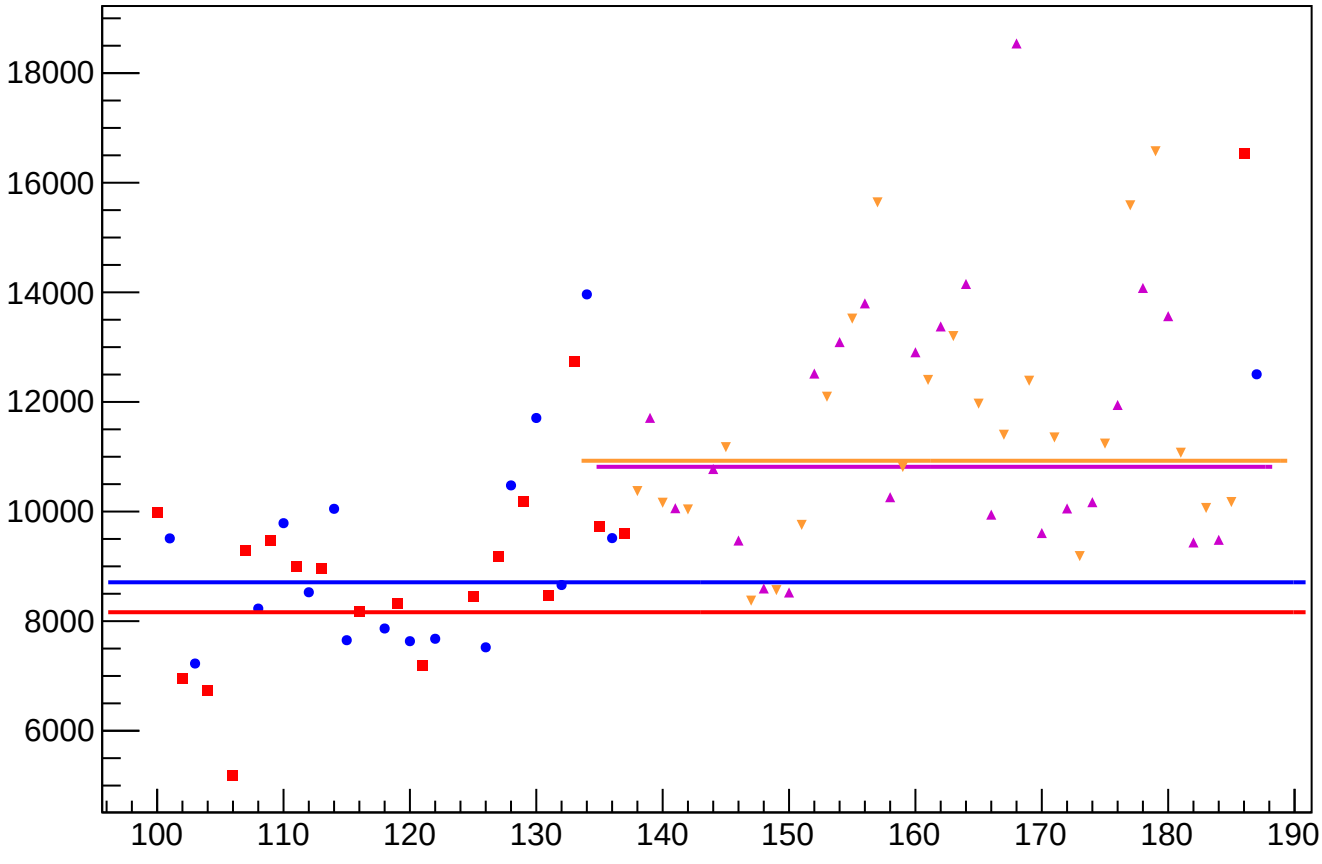
Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2326.919+/-0.324 χ^2/NDF: 344159.9/40

All: 2324.169+/-0.229 χ^2/NDF: 647564.5/82

- sign 2321.422+/-0.324 χ^2/NDF: 303260.7/41


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
180
190
Right In: -1966.672+/-3251.010 χ²/NDF: 15.2/16
Left Out: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: 699.810+/-3014.620 χ²/NDF: 21.8/18
Left In: 490.047+/-2577.218 χ²/NDF:13.5/22
+ sign -1135.682+/-2025.695 χ²/NDF: 44.2/40
All: -249.816+/-1408.185 χ²/NDF: 79.9/82
- sign 578.620+/-1958.933 χ²/NDF: 35.3/41



Right In: 8709.271+/-2.299 χ^2/NDF: 392837.9/16

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 8163.013+/-2.132 χ^2/NDF: 771574.8/18

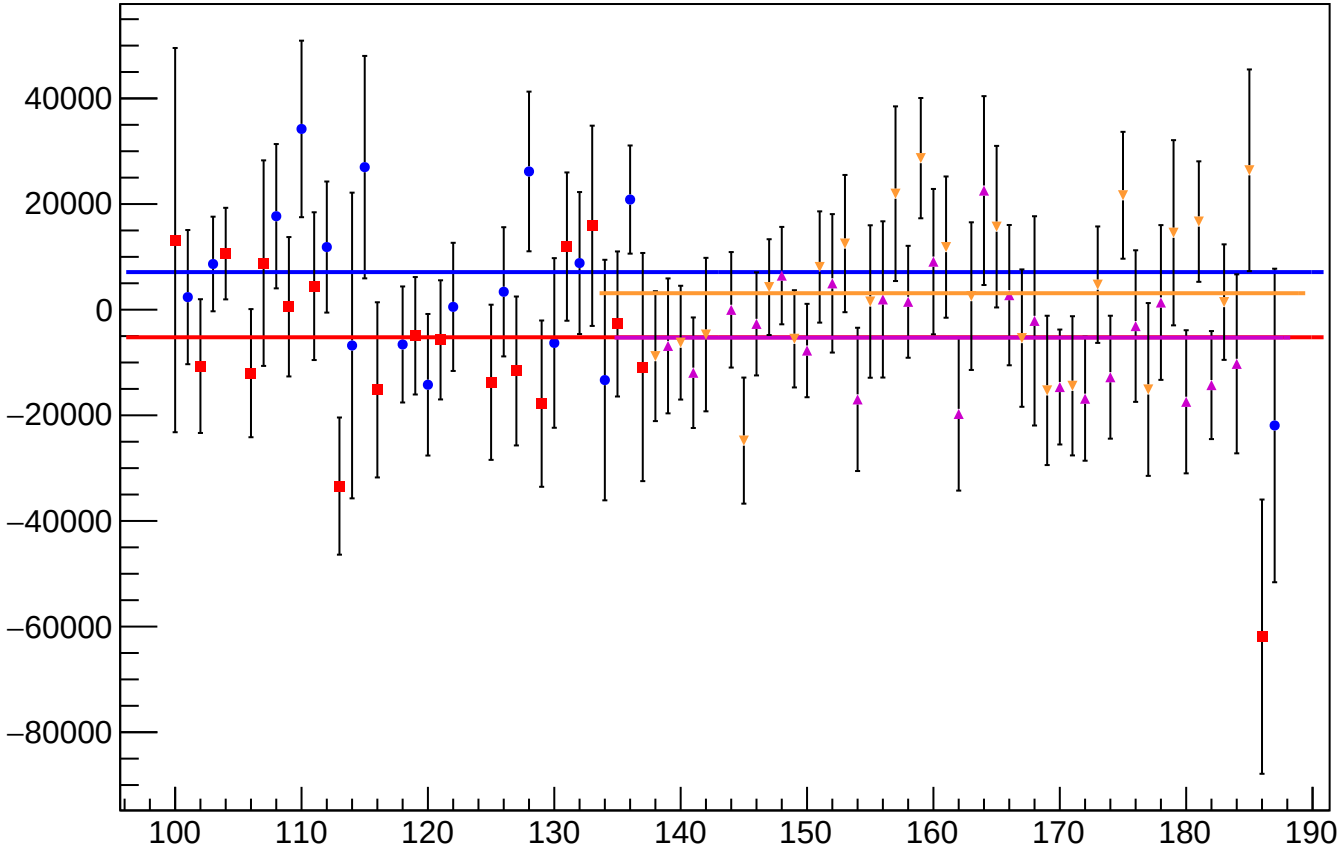
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10065.892+/-1.432 χ^2/NDF: 2019465.7/40

All: 9874.730+/-0.996 χ^2/NDF: 4917454.0/82

- sign 9695.960+/-1.385 χ^2/NDF: 2863521.1/41

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 7116.078+/-3310.138 χ^2/NDF: 15.0/16

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -5222.318+/-3217.624 χ^2/NDF: 19.1/18

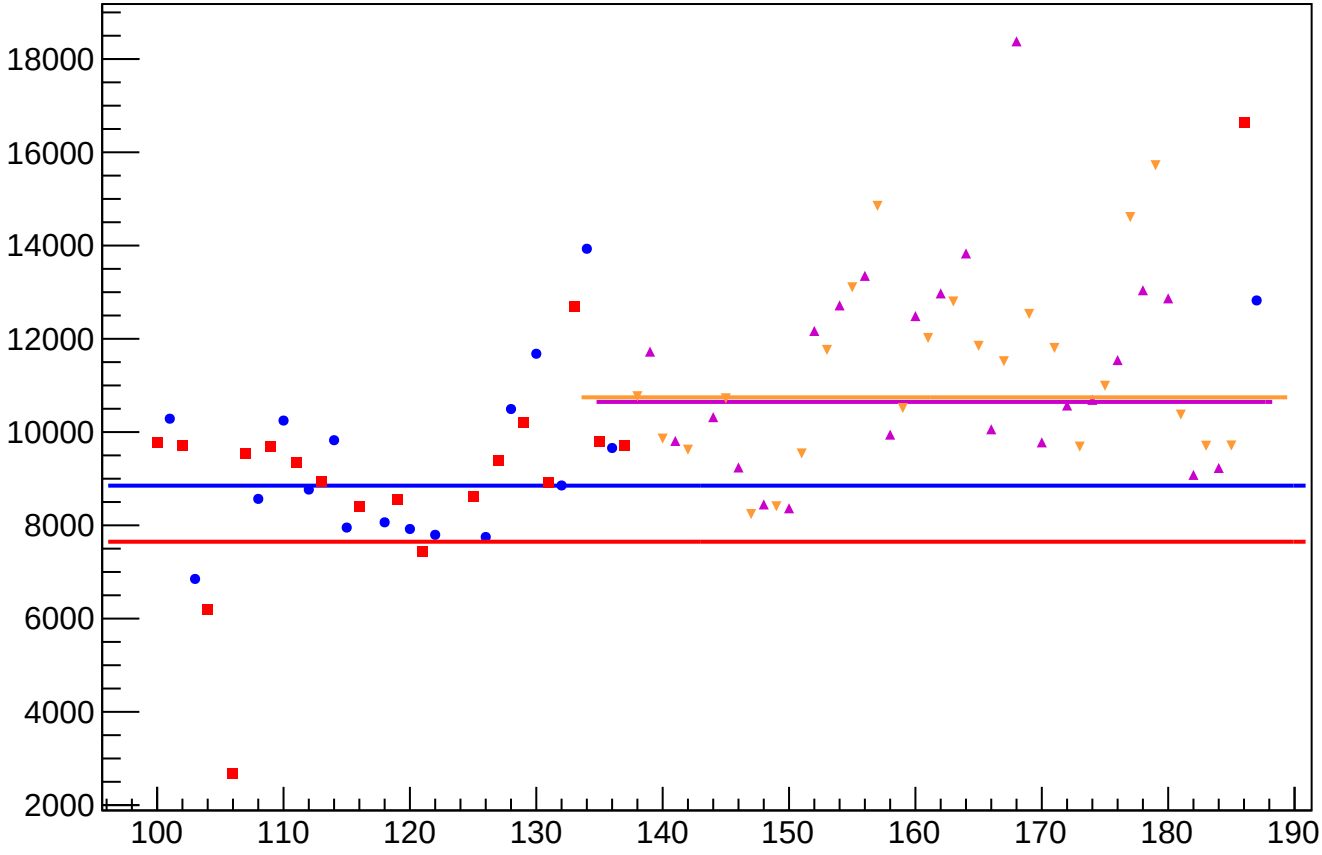
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4602.507+/-2016.530 χ^2/NDF: 43.4/40

All: -395.663+/-1416.530 χ^2/NDF: 88.0/82

- sign -5264.547+/-1990.279 χ^2/NDF: 32.5/41

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 8851.094+/-2.341 χ^2/NDF: 430841.5/16

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

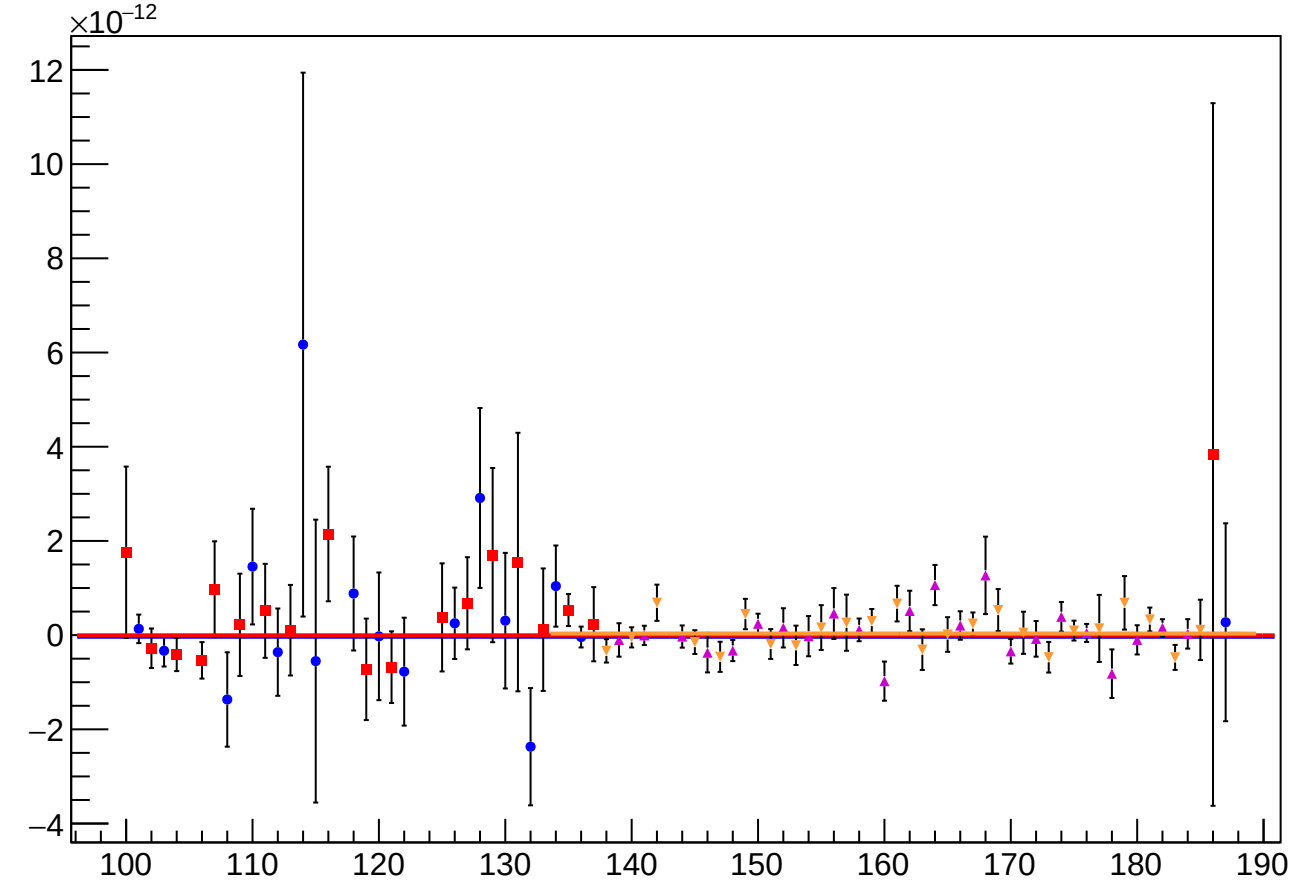
Right Out: 7648.502+/-2.114 χ^2/NDF: 1899830.0/18

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10042.327+/-1.426 χ^2/NDF: 1807347.4/40

All: 9704.306+/-0.987 χ^2/NDF: 6099698.2/82

- sign 9393.814+/-1.367 χ^2/NDF: 4184534.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

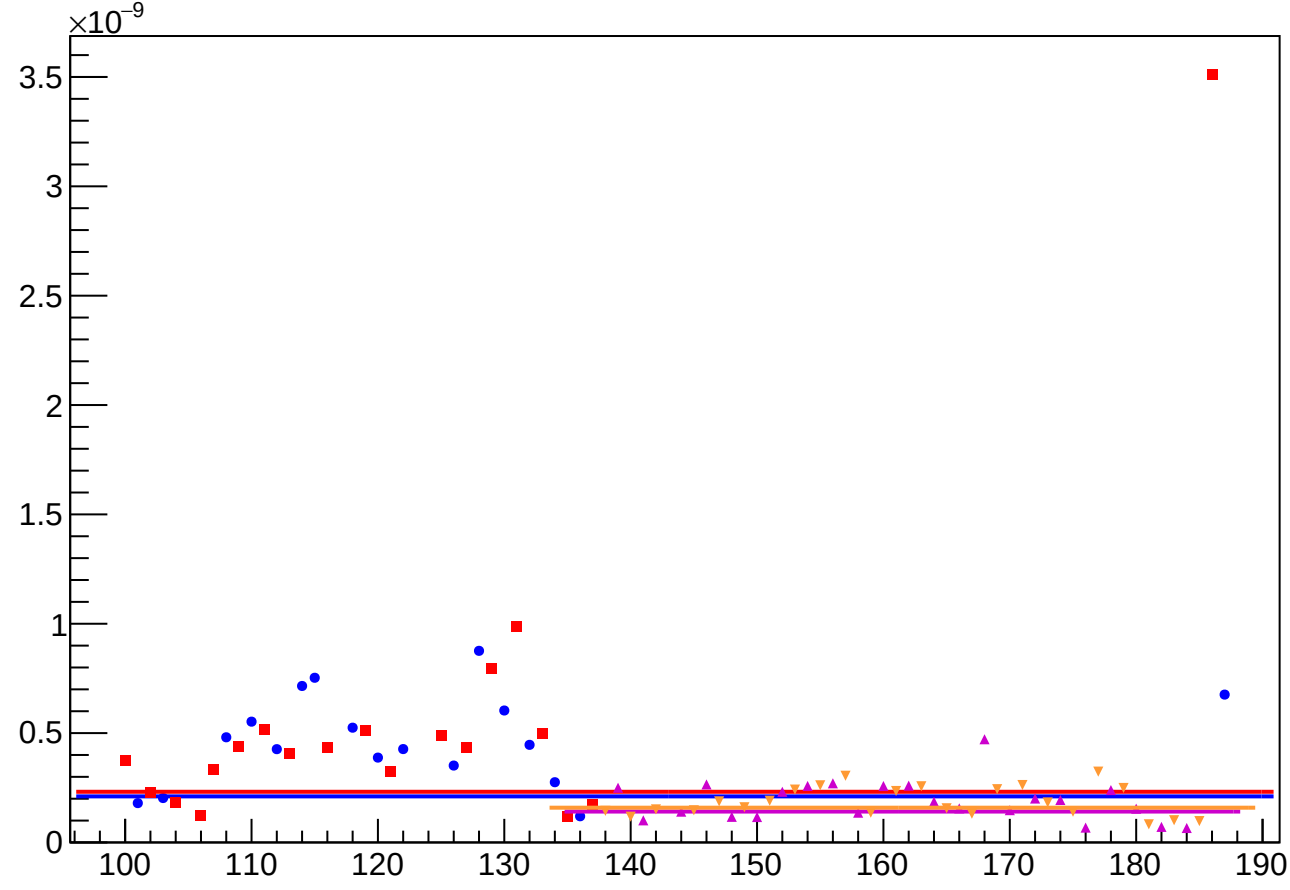
Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.8/40

All: 0.000+/-0.000 χ^2/NDF: 82.7/82

- sign 0.000+/-0.000 χ^2/NDF: 41.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 1730870.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

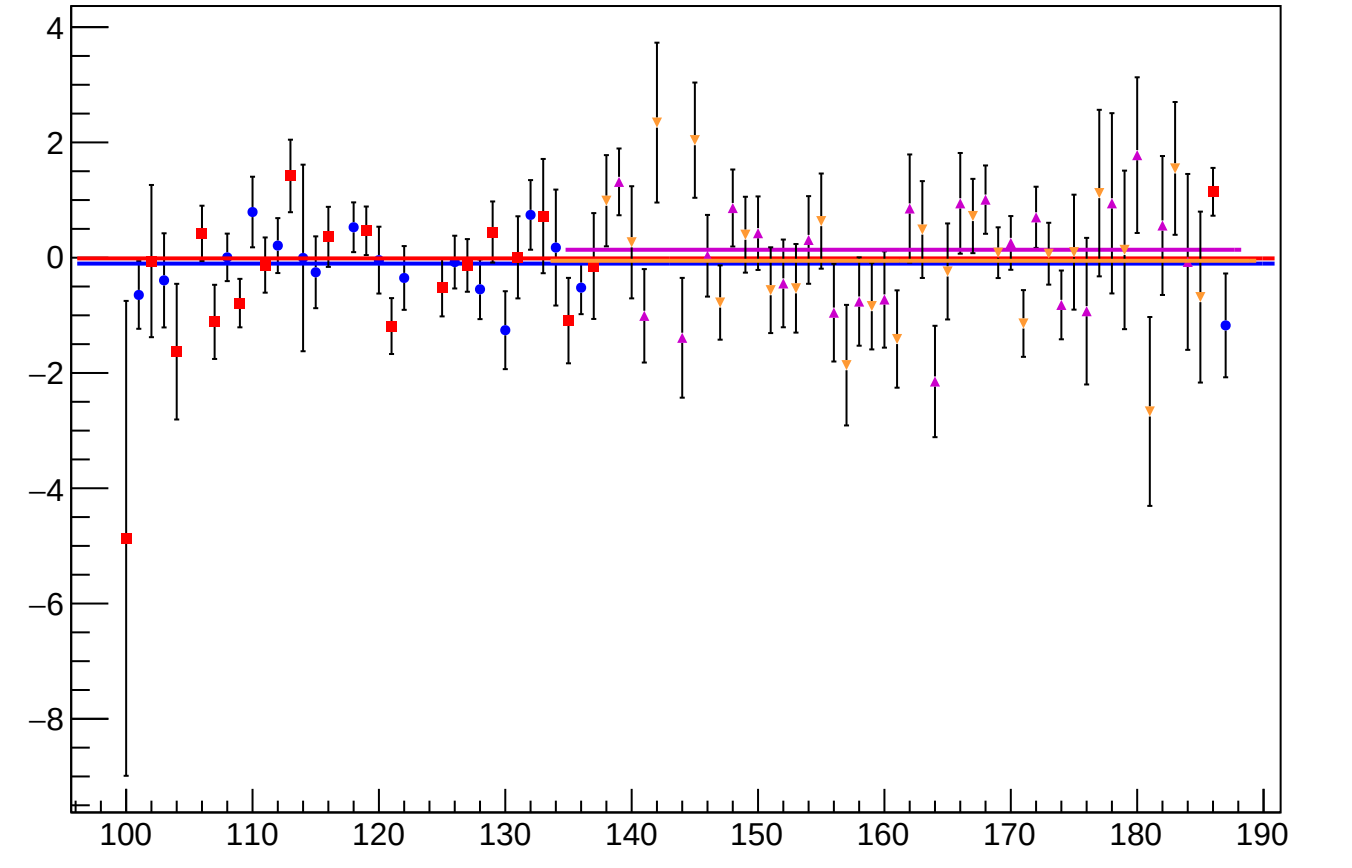
Right Out: 0.000+/-0.000 χ^2/NDF: 1948048.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3248122.4/40

All: 0.000+/-0.000 χ^2/NDF: 8239322.5/82

- sign 0.000+/-0.000 χ^2/NDF: 4924916.2/41



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

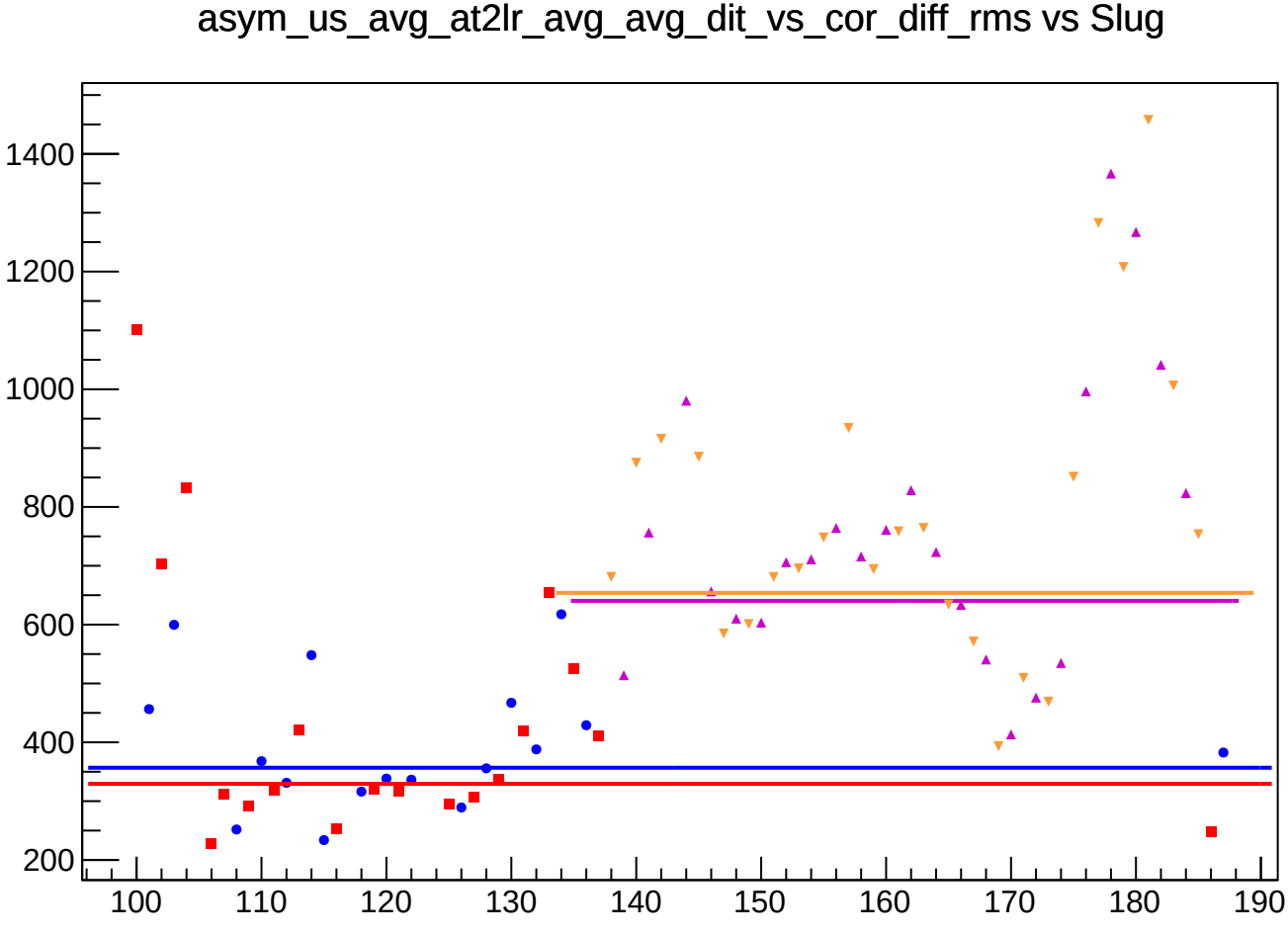
Right Out: -0.012+/-0.131 χ^2/NDF: 35.6/18

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.082+/-0.105 χ^2/NDF: 44.2/40

All: -0.014+/-0.073 χ^2/NDF: 111.1/82

- sign 0.049+/-0.101 χ^2/NDF: 66.1/41



Right In: 356.812+/-0.098 χ^2/NDF: 786785.9/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

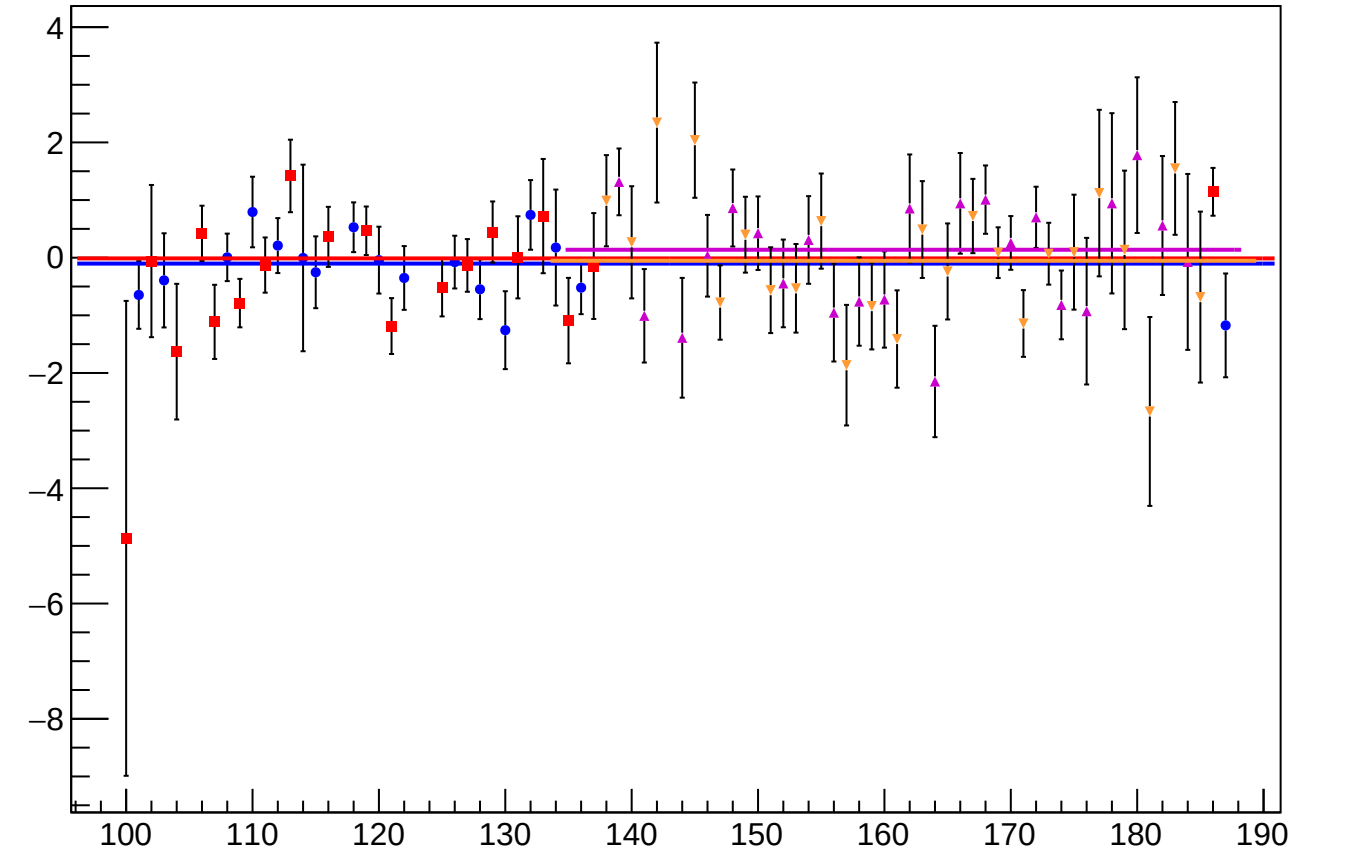
Right Out: 329.475+/-0.093 χ^2/NDF: 1287427.3/18

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 482.611+/-0.074 χ^2/NDF: 7822841.5/40

All: 468.849+/-0.051 χ^2/NDF: 16421012.3/82

- sign 456.167+/-0.071 χ^2/NDF: 8532125.2/41



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

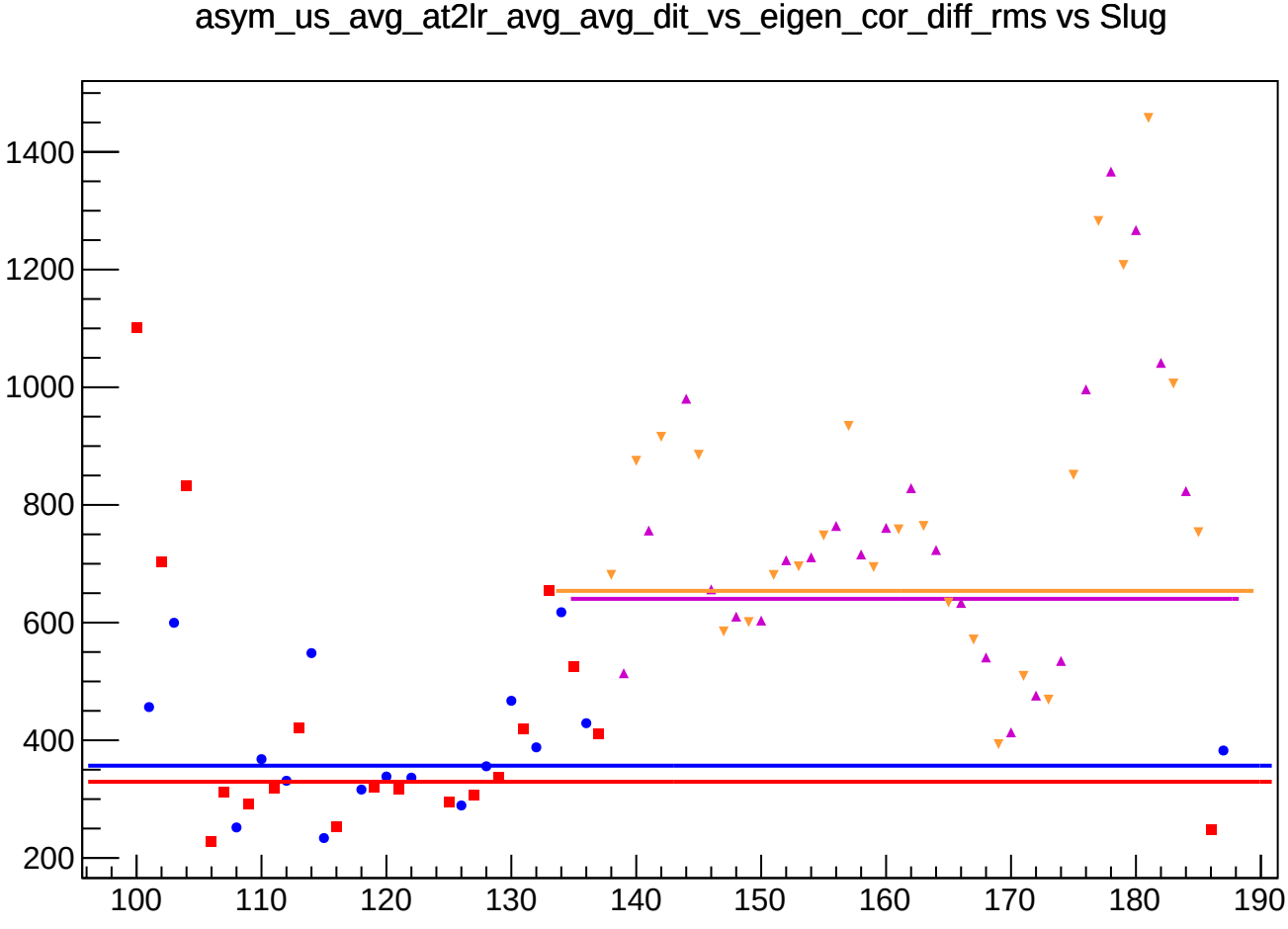
Right Out: -0.012+/-0.131 χ^2/NDF: 35.6/18

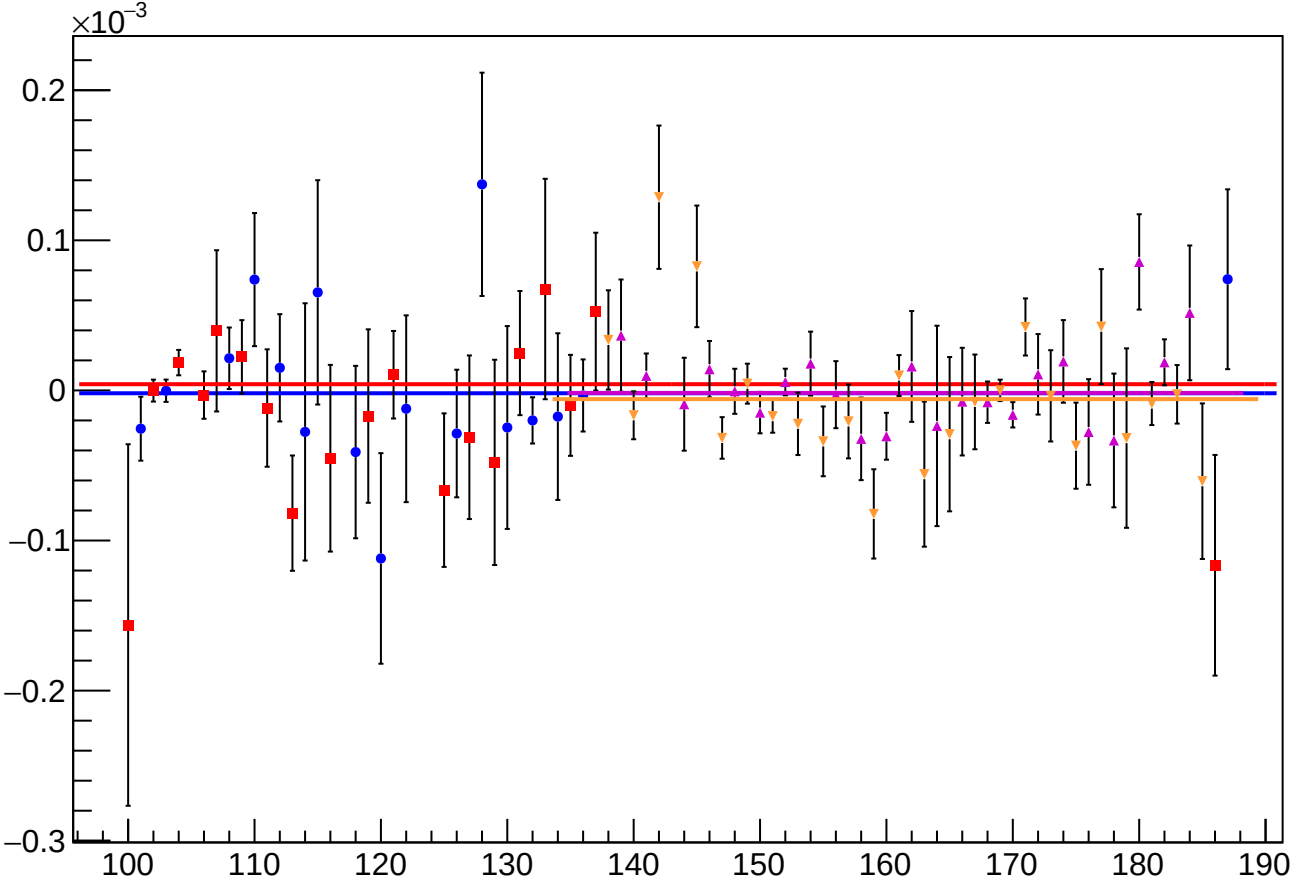
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.082+/-0.105 χ^2/NDF: 44.2/40

All: -0.014+/-0.073 χ^2/NDF: 111.1/82

- sign 0.049+/-0.101 χ^2/NDF: 66.1/41


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 356.812+/-0.098 χ²/NDF: 786785.9/16
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 329.475+/-0.093 χ²/NDF: 1287427.3/18
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 482.611+/-0.074 χ²/NDF: 7822841.5/40
All: 468.849+/-0.051 χ²/NDF: 16421012.3/82
- sign 456.167+/-0.071 χ²/NDF: 8532125.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

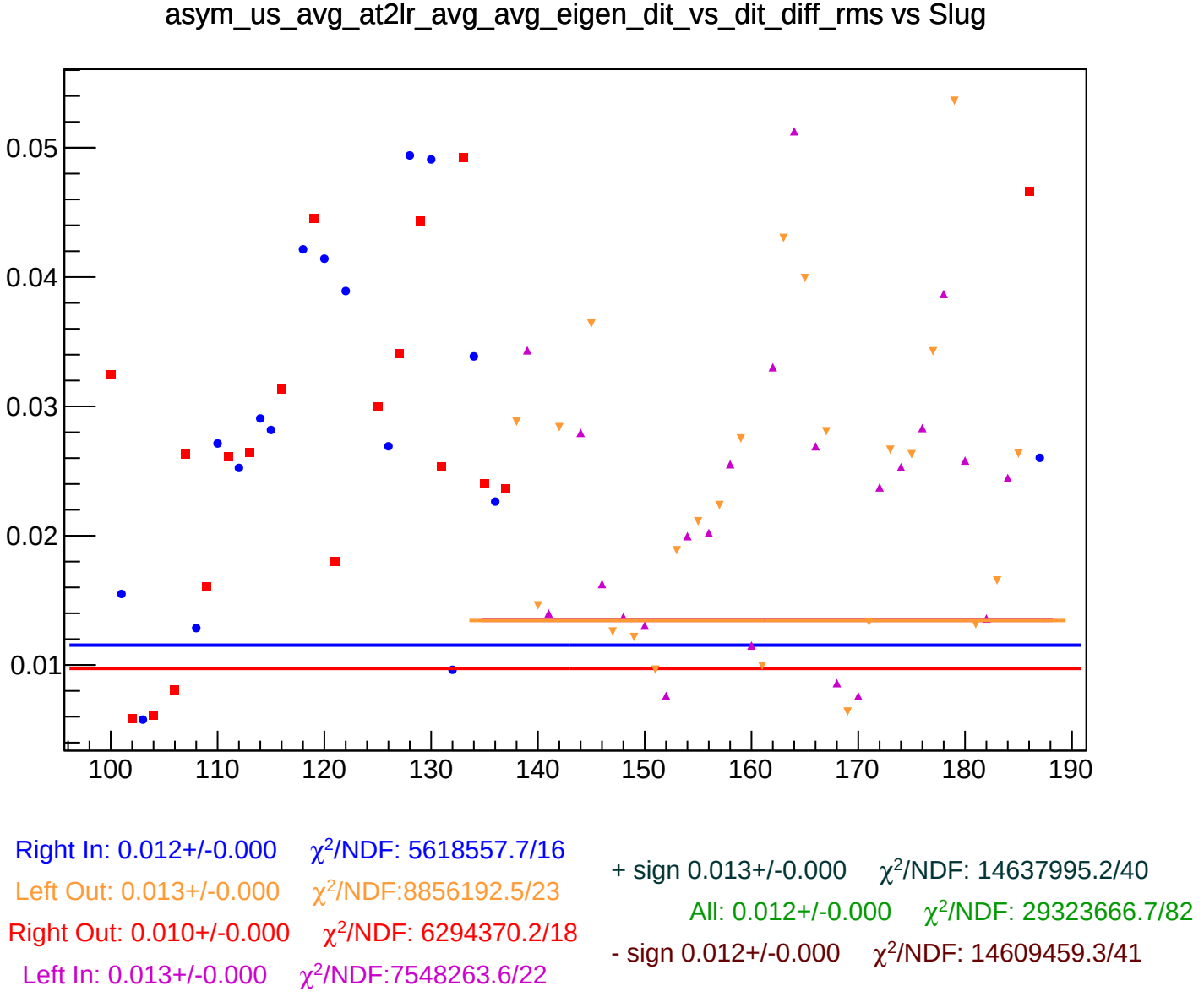
Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/18

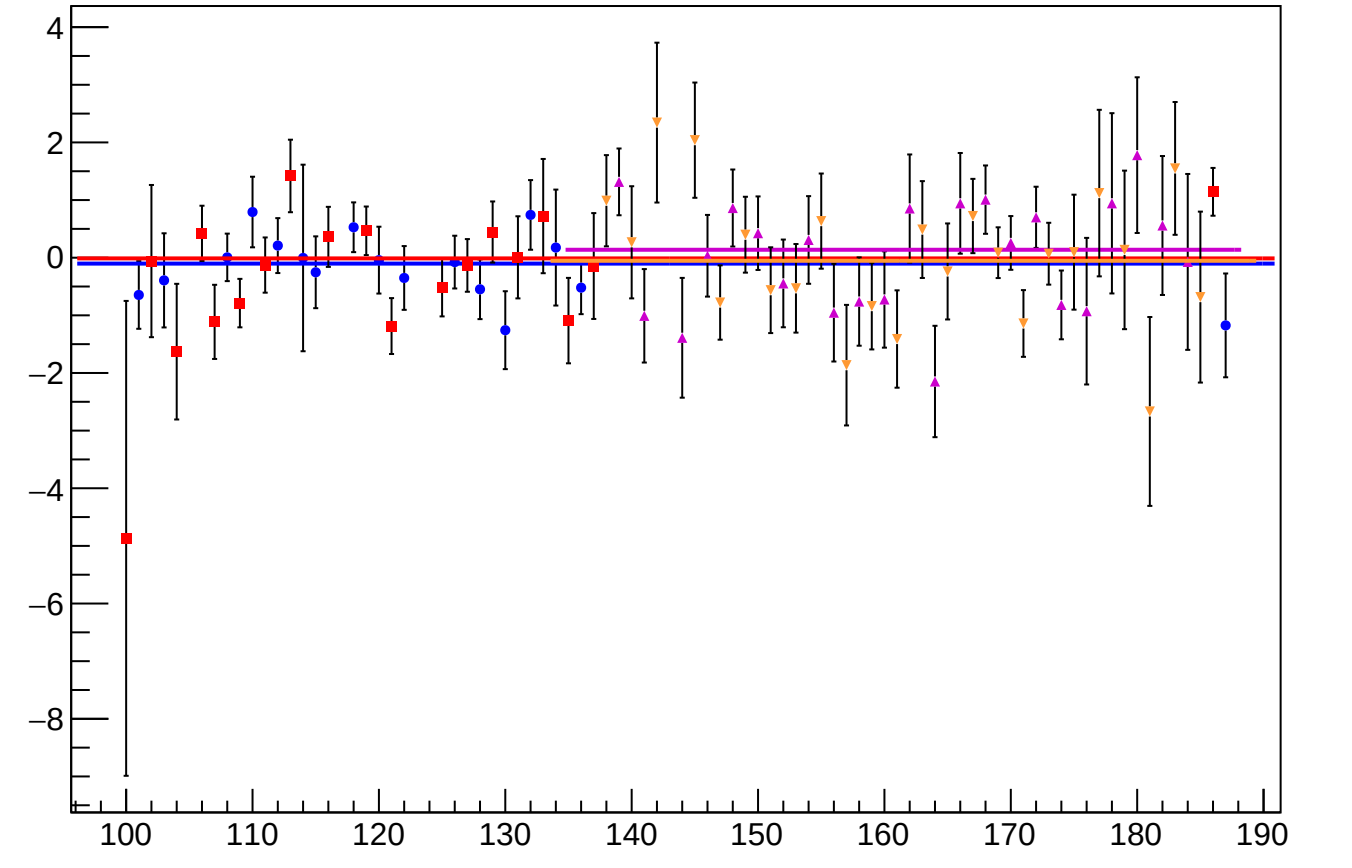
Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/40

All: -0.000+/-0.000 χ^2/NDF: 107.4/82

- sign 0.000+/-0.000 χ^2/NDF: 46.3/41


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.012+/-0.000 χ²/NDF: 5618557.7/16
Left Out: 0.013+/-0.000 χ²/NDF:8856192.5/23
Right Out: 0.010+/-0.000 χ²/NDF: 6294370.2/18
Left In: 0.013+/-0.000 χ²/NDF:7548263.6/22
+ sign 0.013+/-0.000 χ²/NDF: 14637995.2/40
All: 0.012+/-0.000 χ²/NDF: 29323666.7/82
- sign 0.012+/-0.000 χ²/NDF: 14609459.3/41



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

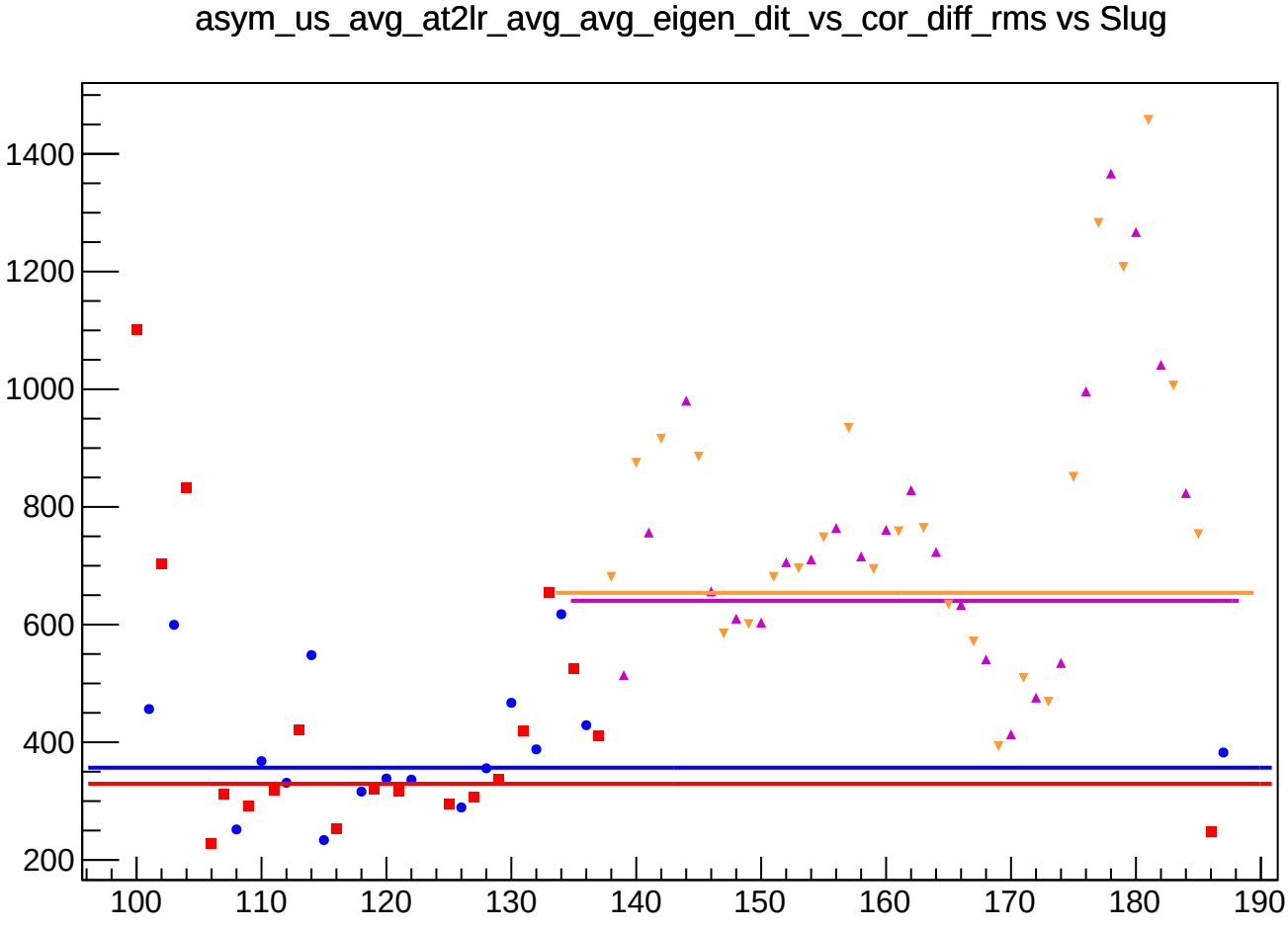
Right Out: -0.012+/-0.131 χ^2/NDF: 35.6/18

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.082+/-0.105 χ^2/NDF: 44.2/40

All: -0.014+/-0.073 χ^2/NDF: 111.1/82

- sign 0.049+/-0.101 χ^2/NDF: 66.1/41



Right In: 356.811+/-0.098 χ^2/NDF: 786752.6/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

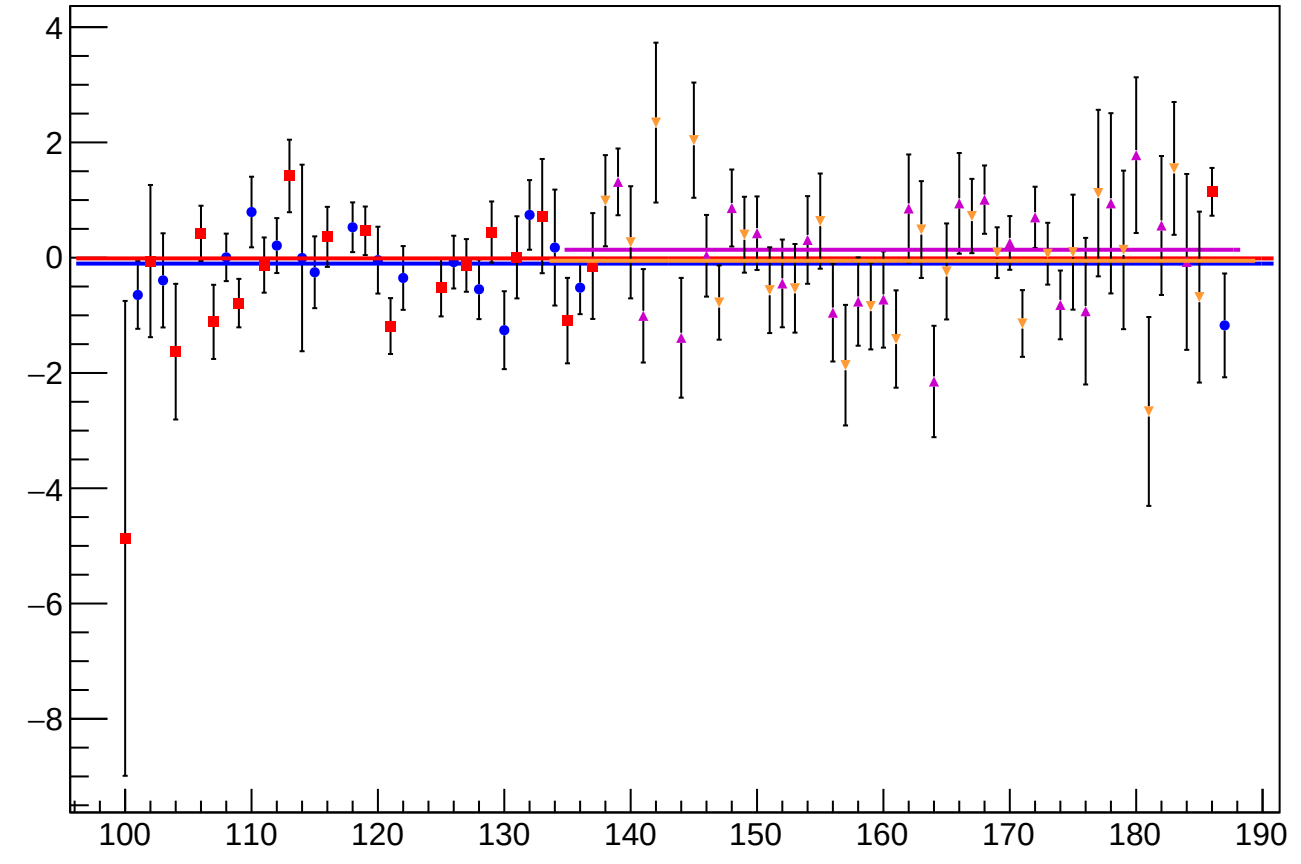
Right Out: 329.471+/-0.093 χ^2/NDF: 1287444.3/18

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 482.609+/-0.074 χ^2/NDF: 7823069.5/40

All: 468.846+/-0.051 χ^2/NDF: 16421653.0/82

- sign 456.163+/-0.071 χ^2/NDF: 8532523.8/41



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

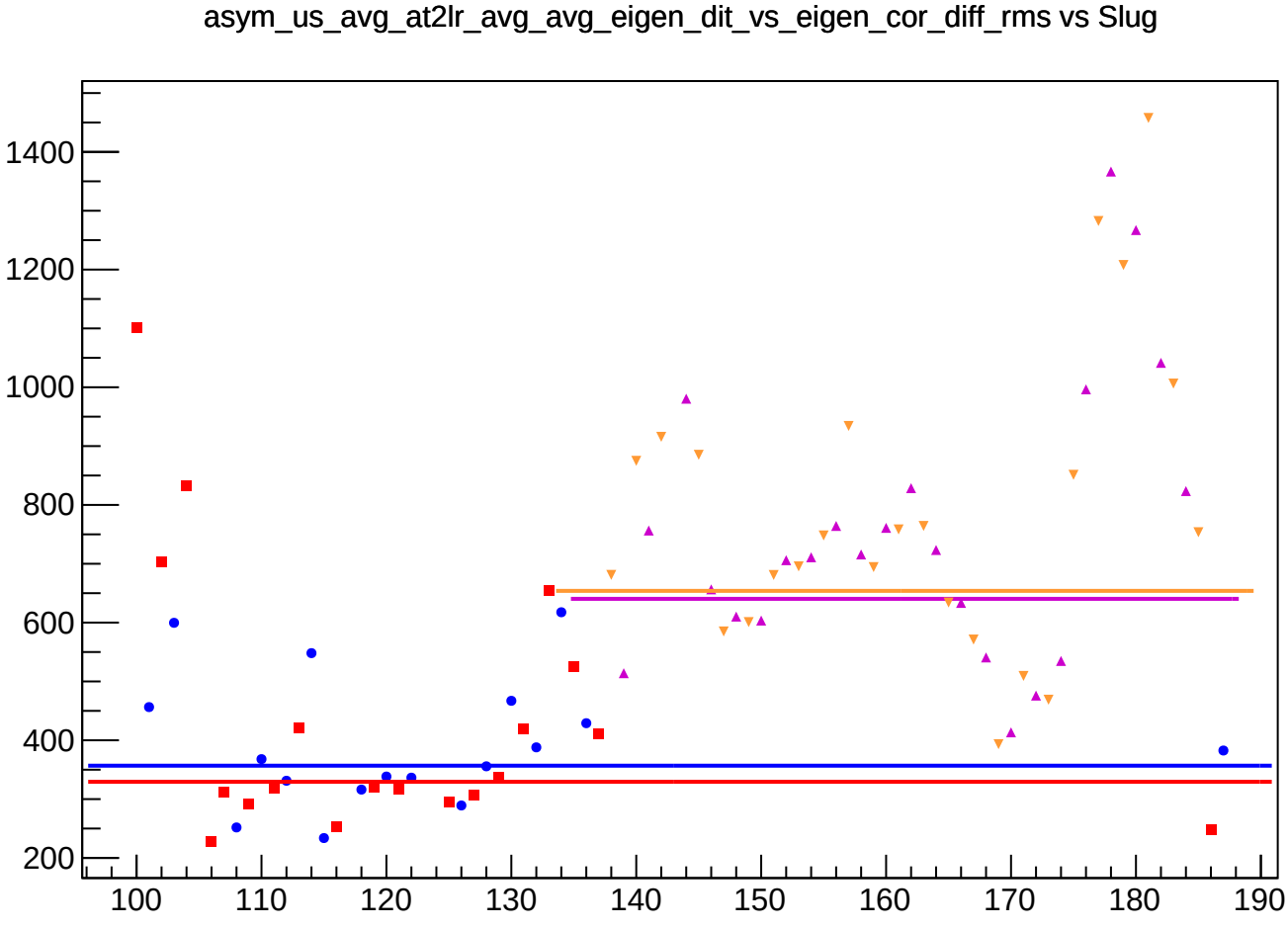
Right Out: -0.012+/-0.131 χ^2/NDF: 35.6/18

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.082+/-0.105 χ^2/NDF: 44.2/40

All: -0.014+/-0.073 χ^2/NDF: 111.1/82

- sign 0.049+/-0.101 χ^2/NDF: 66.1/41



Right In: 356.811+/-0.098 χ^2/NDF: 786752.6/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

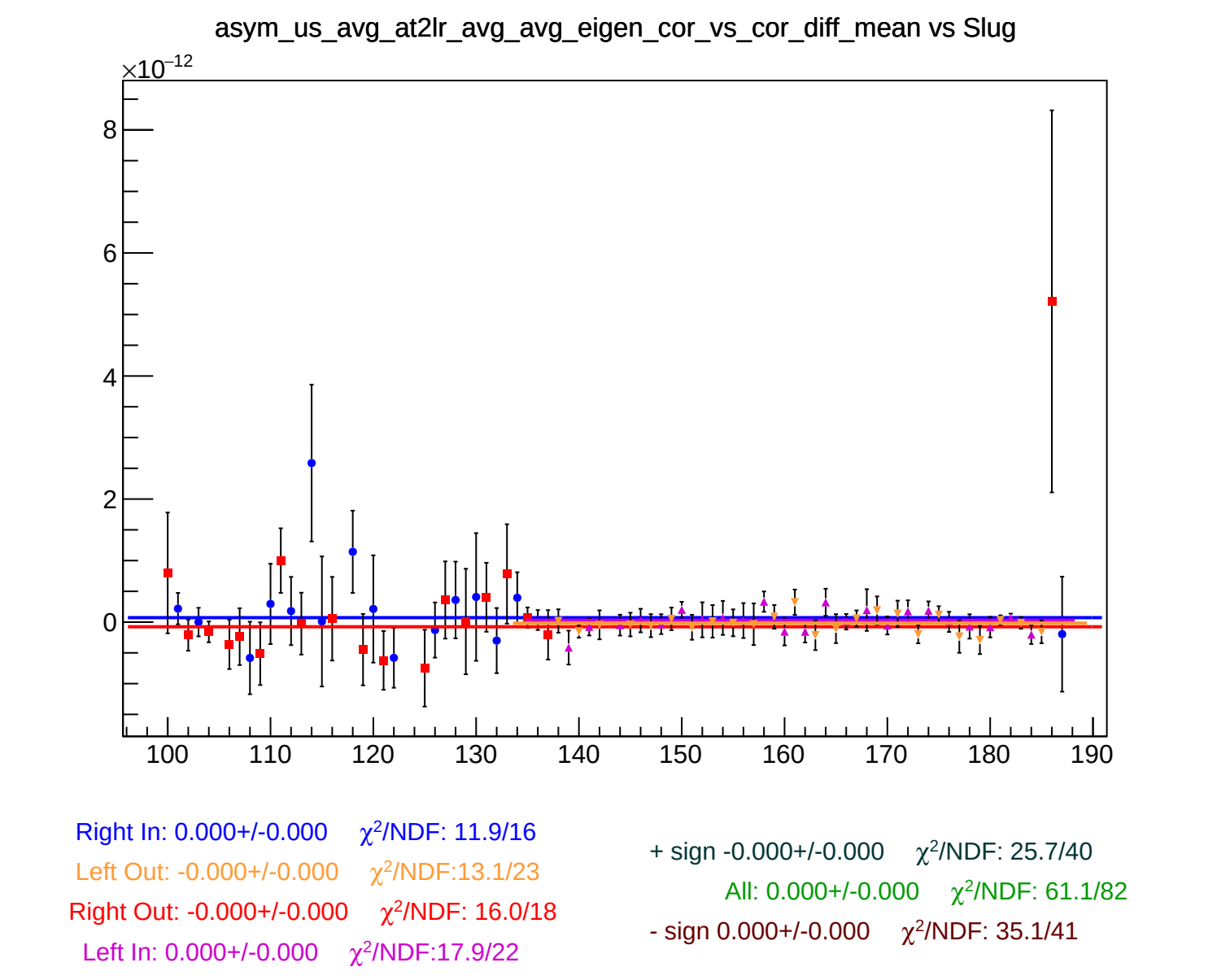
Right Out: 329.471+/-0.093 χ^2/NDF: 1287444.3/18

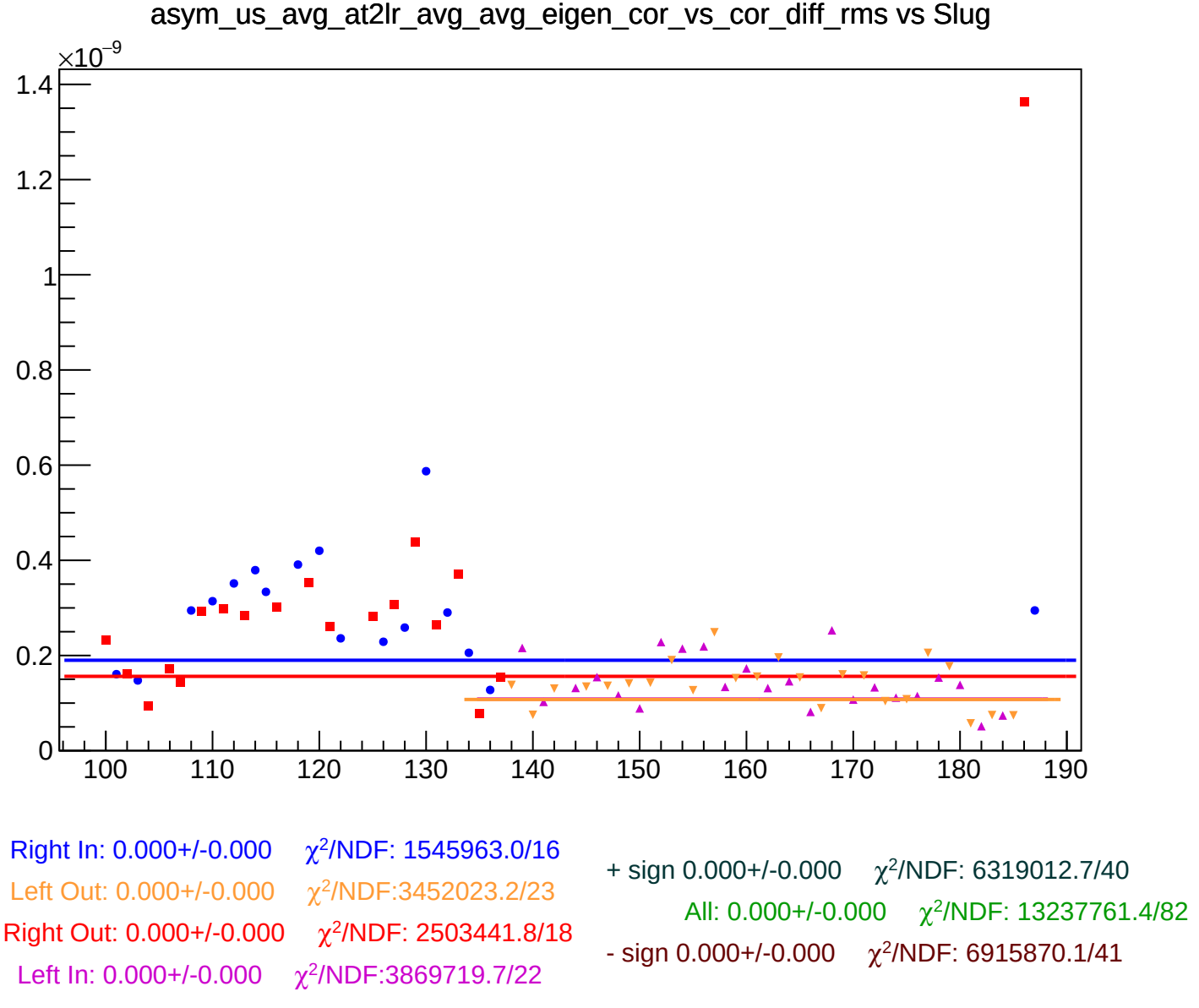
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 482.609+/-0.074 χ^2/NDF: 7823069.5/40

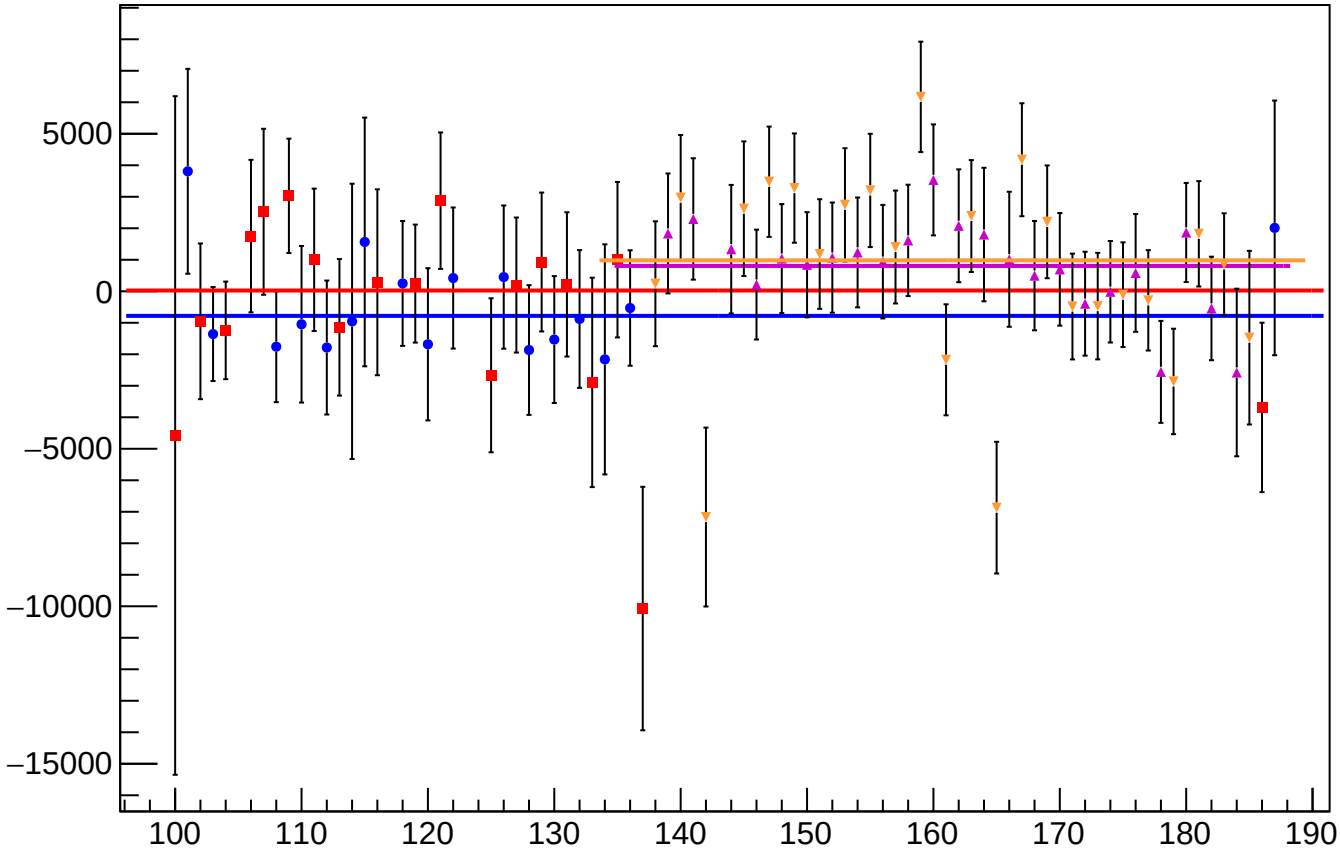
All: 468.846+/-0.051 χ^2/NDF: 16421653.0/82

- sign 456.163+/-0.071 χ^2/NDF: 8532523.8/41


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 11.9/16
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 25.7/40
All: 0.000+/-0.000 χ²/NDF: 61.1/82
- sign 0.000+/-0.000 χ²/NDF: 35.1/41


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1545963.0/16
Left Out: 0.000+/-0.000 χ²/NDF:3452023.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2503441.8/18
Left In: 0.000+/-0.000 χ²/NDF:3869719.7/22
+ sign 0.000+/-0.000 χ²/NDF: 6319012.7/40
All: 0.000+/-0.000 χ²/NDF: 13237761.4/82
- sign 0.000+/-0.000 χ²/NDF: 6915870.1/41

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -780.866+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 24.233+/-536.797 χ^2/NDF: 18.4/18

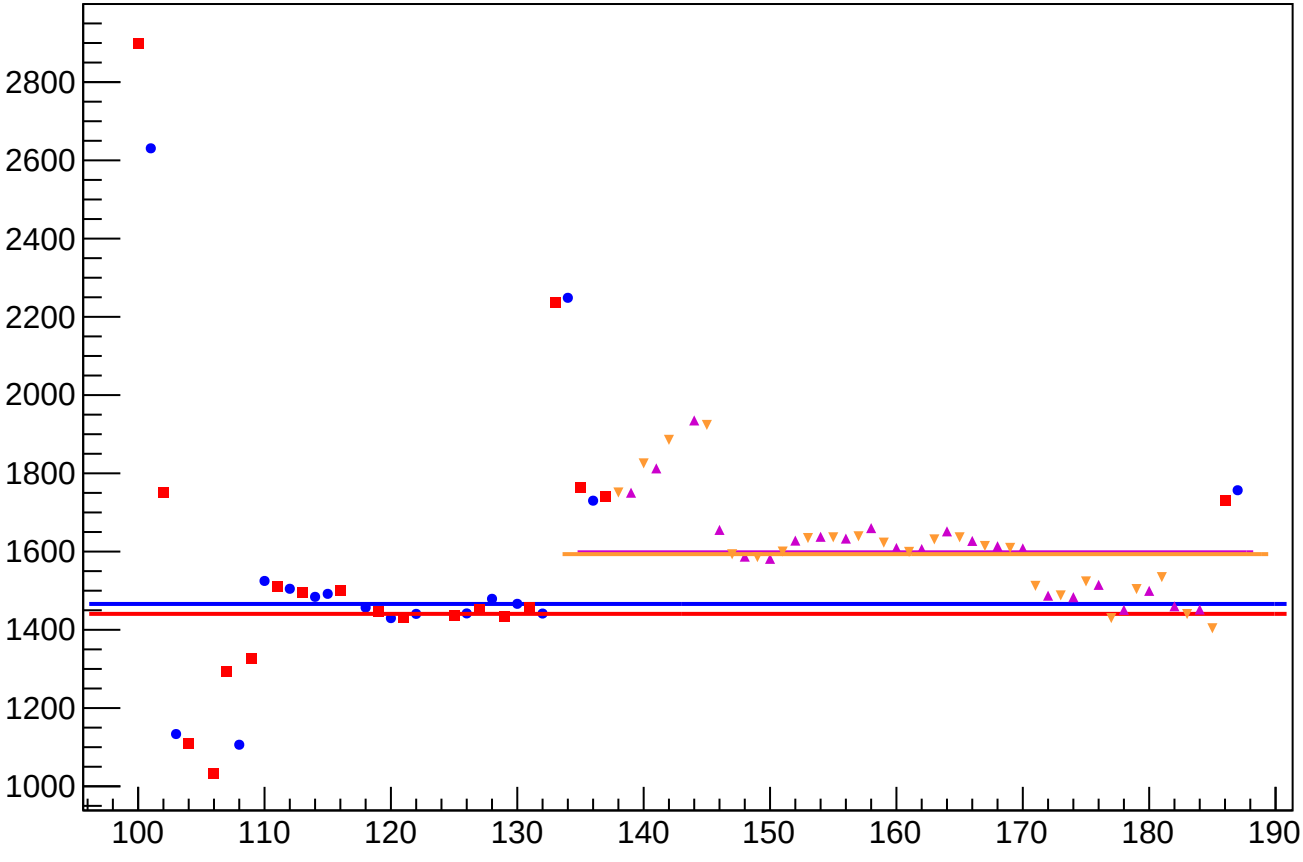
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 430.338+/-307.422 χ^2/NDF: 67.7/40

All: 489.798+/-217.196 χ^2/NDF: 100.1/82

\- sign 549.056+/-306.900 χ^2/NDF: 32.3/41

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.1/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

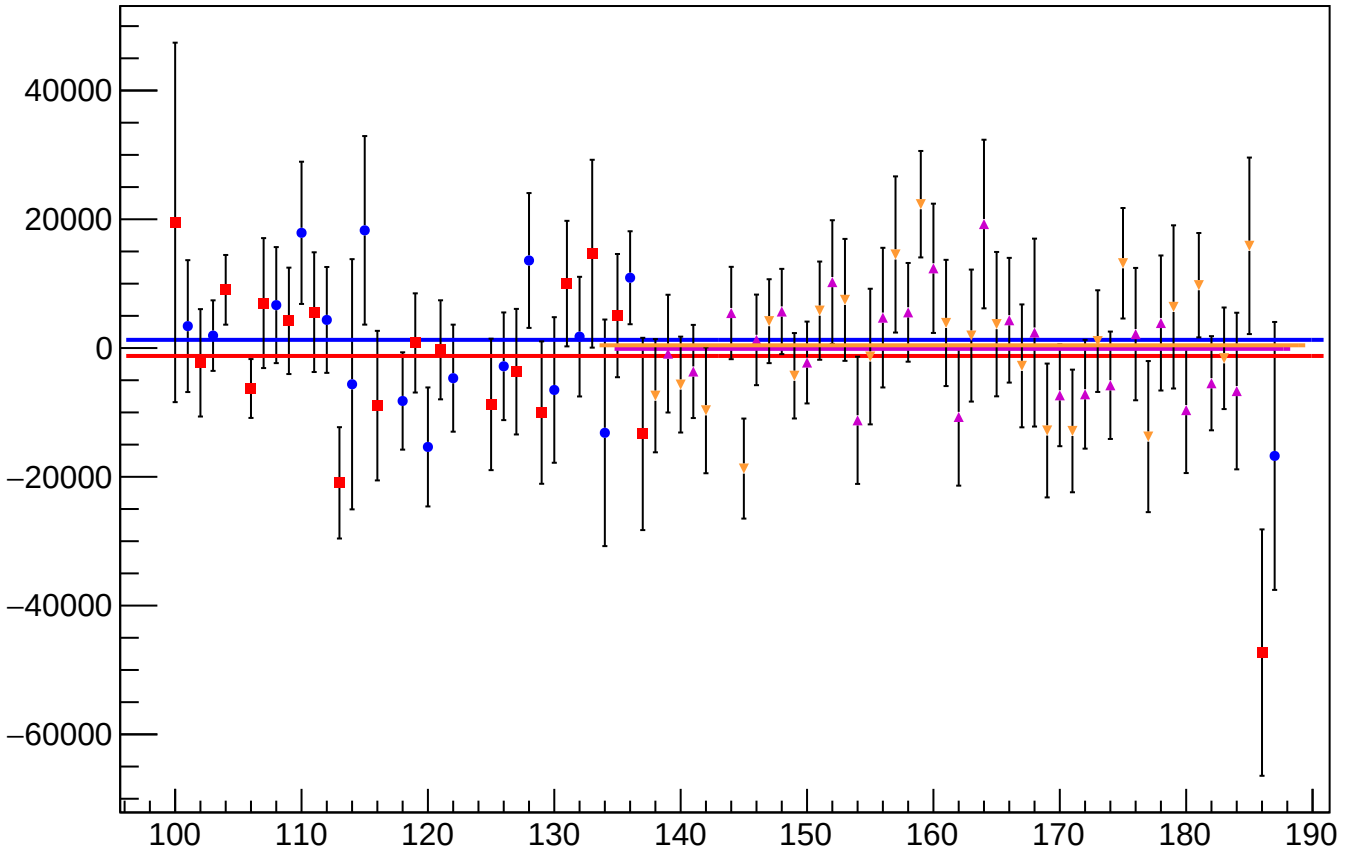
Right Out: 1440.762+/-0.377 χ^2/NDF: 435336.4/18

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1553.647+/-0.217 χ^2/NDF: 847661.3/40

All: 1549.904+/-0.153 χ^2/NDF: 1569542.7/82

- sign 1546.190+/-0.217 χ^2/NDF: 721290.5/41



Right In: 1273.214+/-2254.673 χ^2/NDF: 14.9/16

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

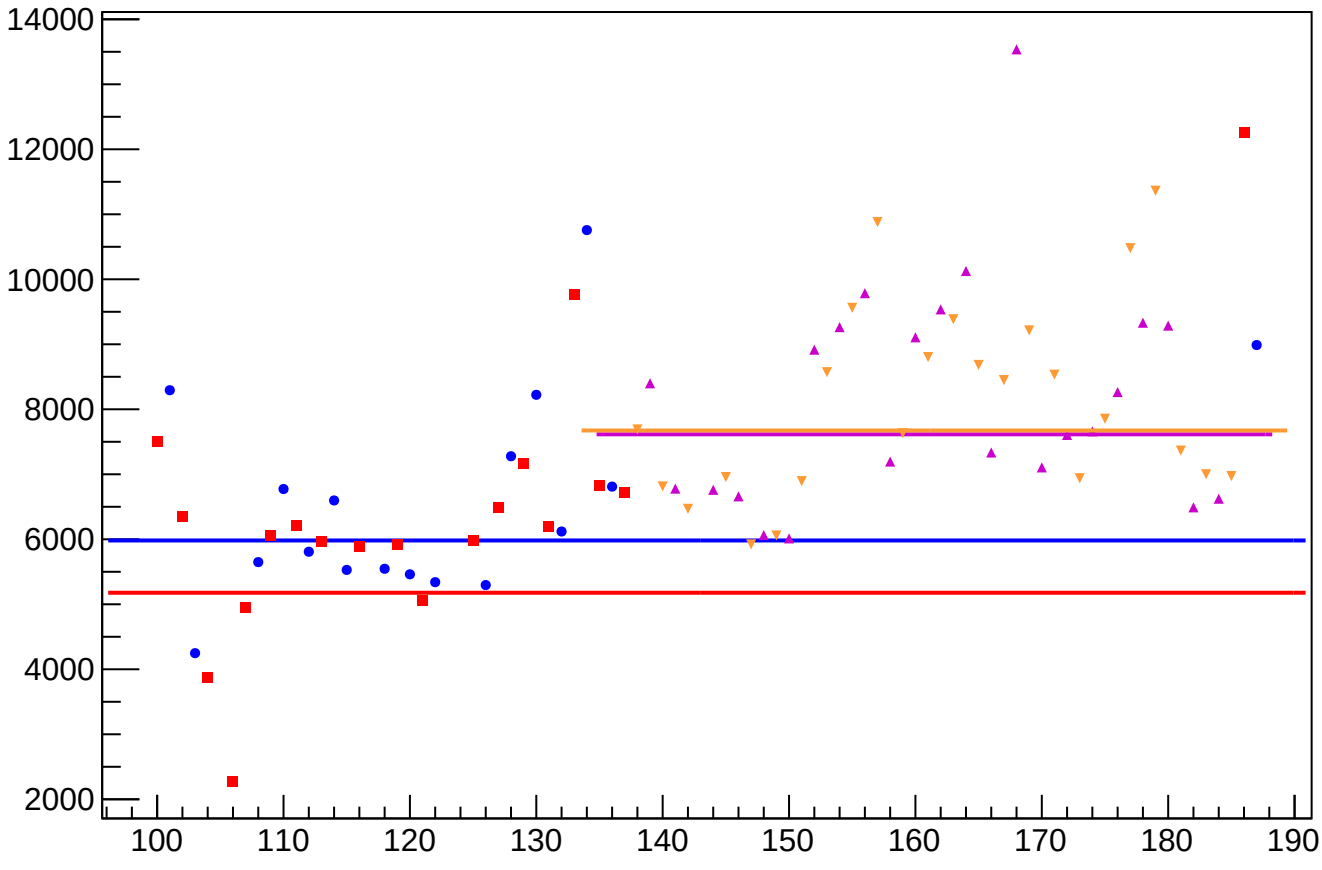
Right Out: -1229.333+/-2000.534 χ^2/NDF: 23.4/18

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 760.643+/-1416.128 χ^2/NDF: 44.4/40

All: 32.084+/-974.910 χ^2/NDF: 82.3/82

- sign -624.294+/-1344.148 χ^2/NDF: 37.4/41



Right In: 5981.804+/-1.594 χ^2/NDF: 683390.2/16

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5177.559+/-1.415 χ^2/NDF: 1756776.4/18

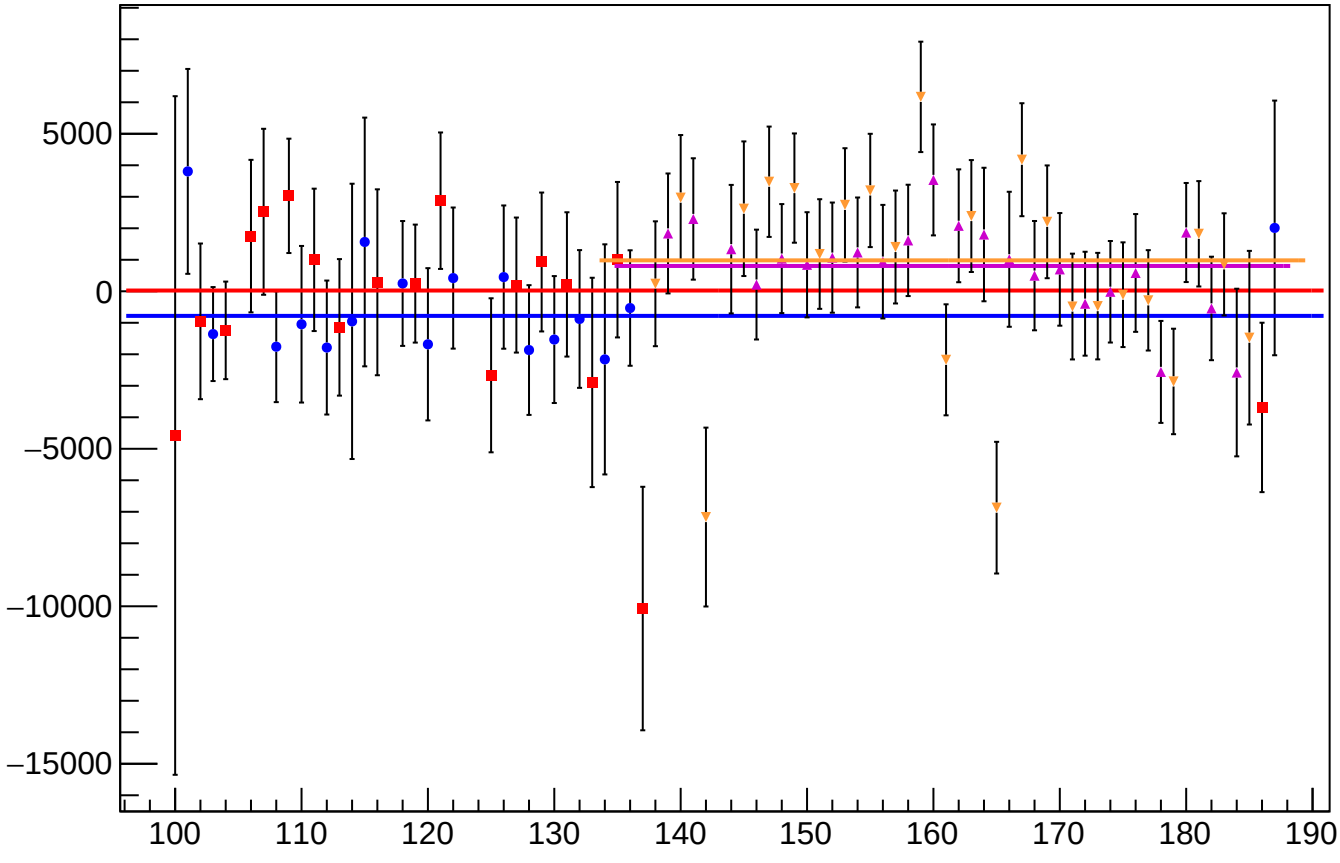
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7006.480+/-1.001 χ^2/NDF: 2442309.0/40

All: 6747.733+/-0.689 χ^2/NDF: 7179146.3/82

- sign 6514.621+/-0.950 χ^2/NDF: 4609914.6/41

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -780.934+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 24.091+/-536.797 χ^2/NDF: 18.4/18

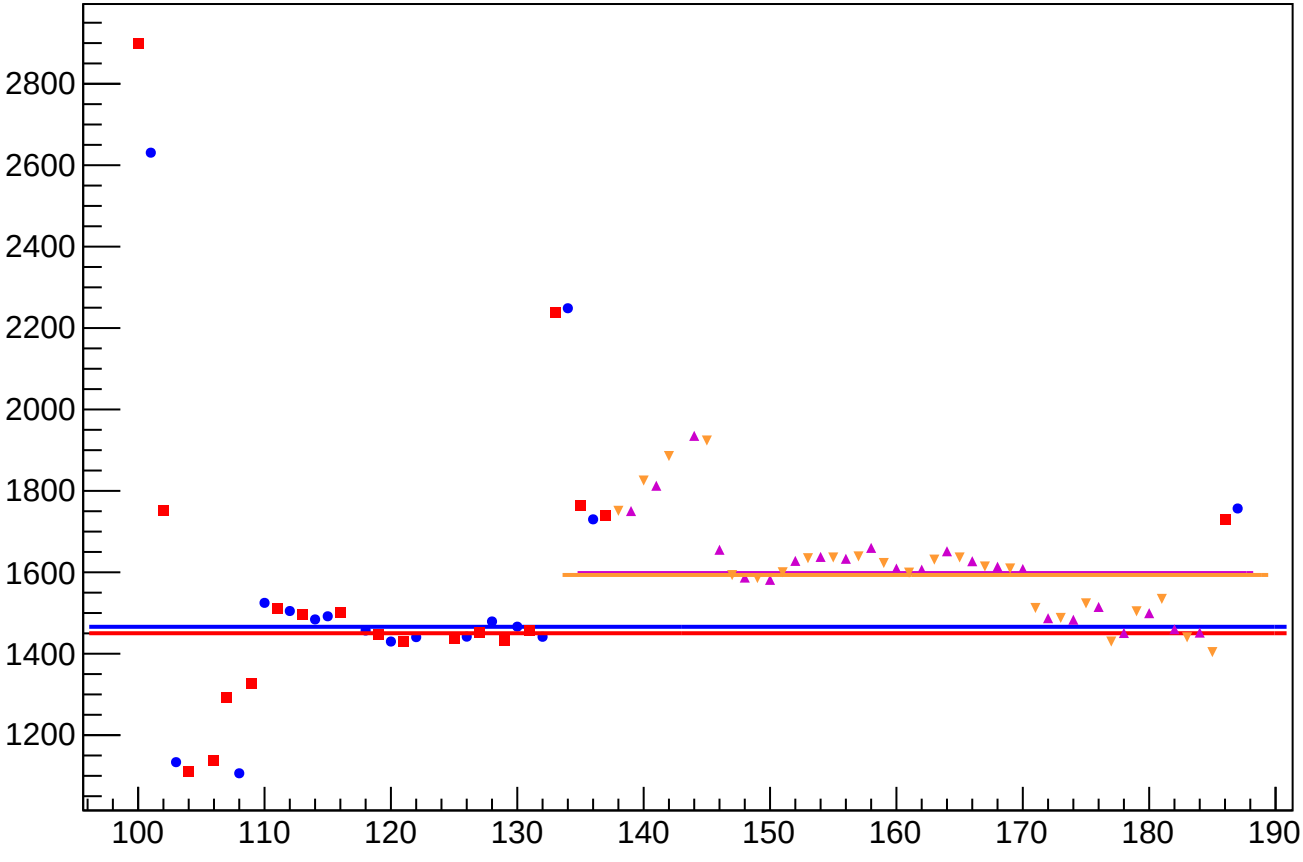
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 430.375+/-307.422 χ^2/NDF: 67.7/40

All: 489.751+/-217.196 χ^2/NDF: 100.1/82

\- sign 548.925+/-306.900 χ^2/NDF: 32.3/41

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.4/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

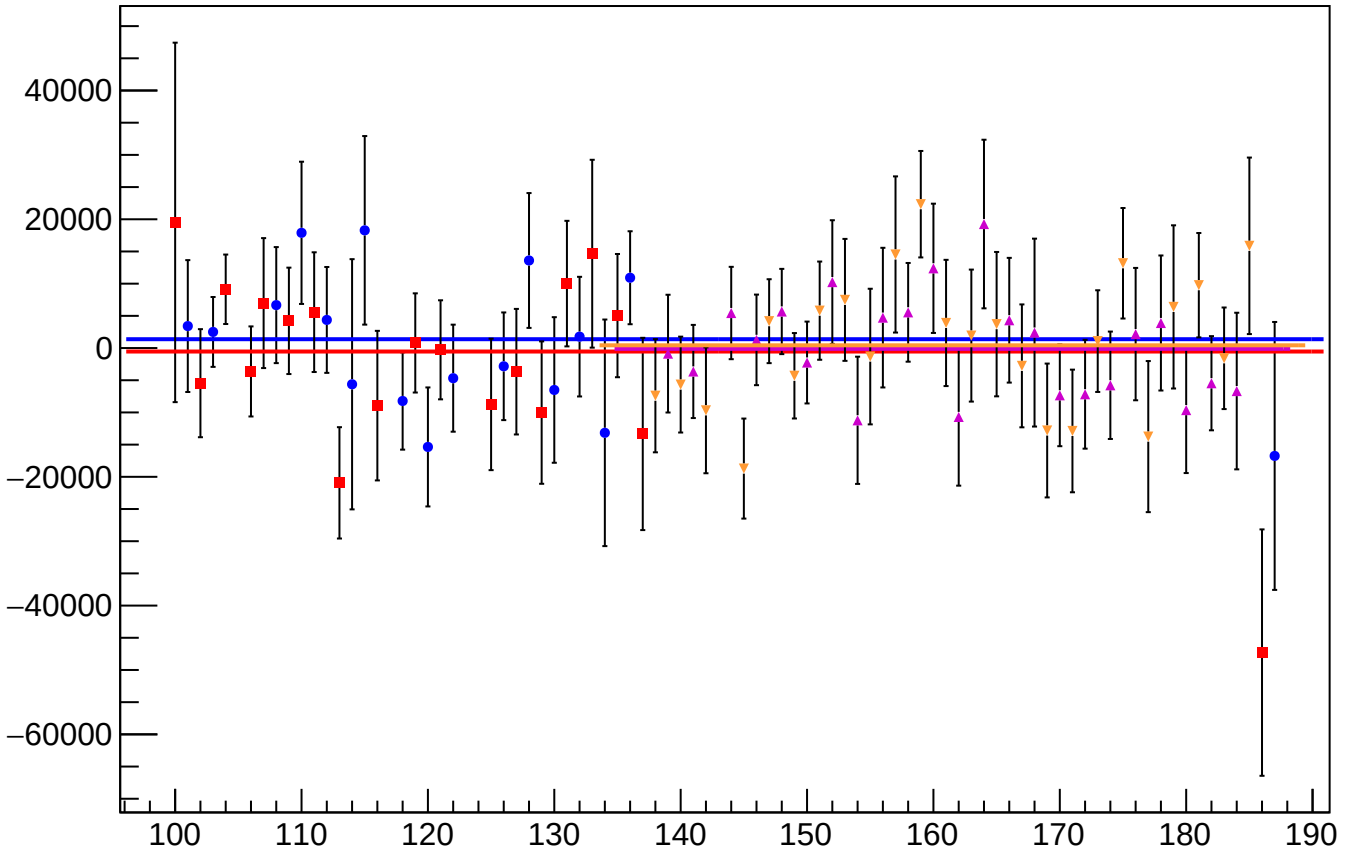
Right Out: 1450.313+/-0.379 χ^2/NDF: 395881.9/18

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1553.647+/-0.217 χ^2/NDF: 847661.7/40

All: 1551.650+/-0.154 χ^2/NDF: 1515240.4/82

- sign 1549.662+/-0.217 χ^2/NDF: 667410.3/41



Right In: 1373.954+/-2250.971 χ^2/NDF: 15.0/16

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

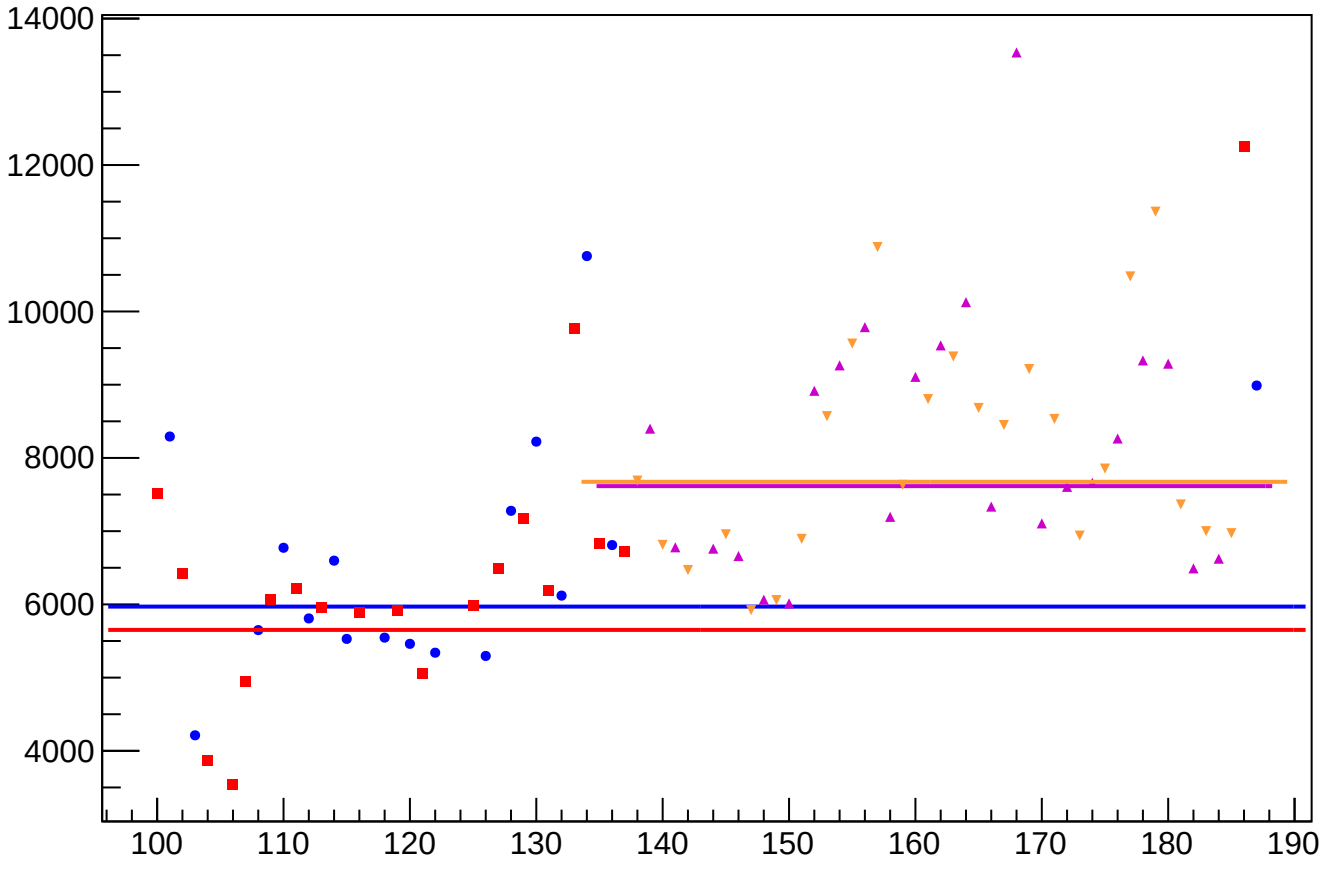
Right Out: -540.435+/-2119.908 χ^2/NDF: 22.5/18

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 801.129+/-1415.209 χ^2/NDF: 44.5/40

All: 235.387+/-987.521 χ^2/NDF: 81.2/82

- sign -301.493+/-1378.638 χ^2/NDF: 36.4/41



Right In: 5969.956+/-1.592 χ^2/NDF: 695674.4/16

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

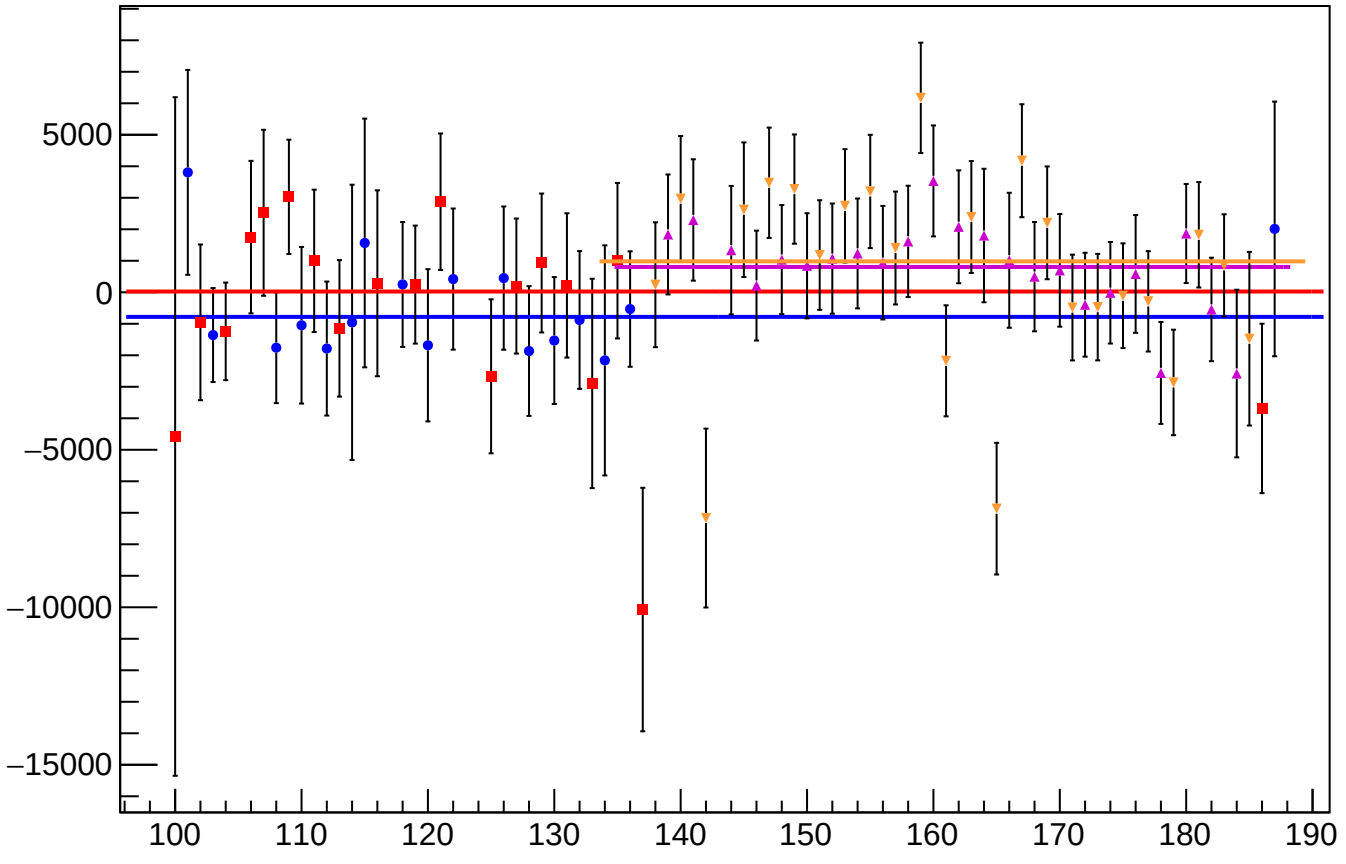
Right Out: 5651.627+/-1.499 χ^2/NDF: 964981.7/18

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7000.468+/-1.001 χ^2/NDF: 2465557.9/40

All: 6889.716+/-0.698 χ^2/NDF: 5668892.8/82

- sign 6784.613+/-0.975 χ^2/NDF: 3179462.1/41



Right In: -780.934+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

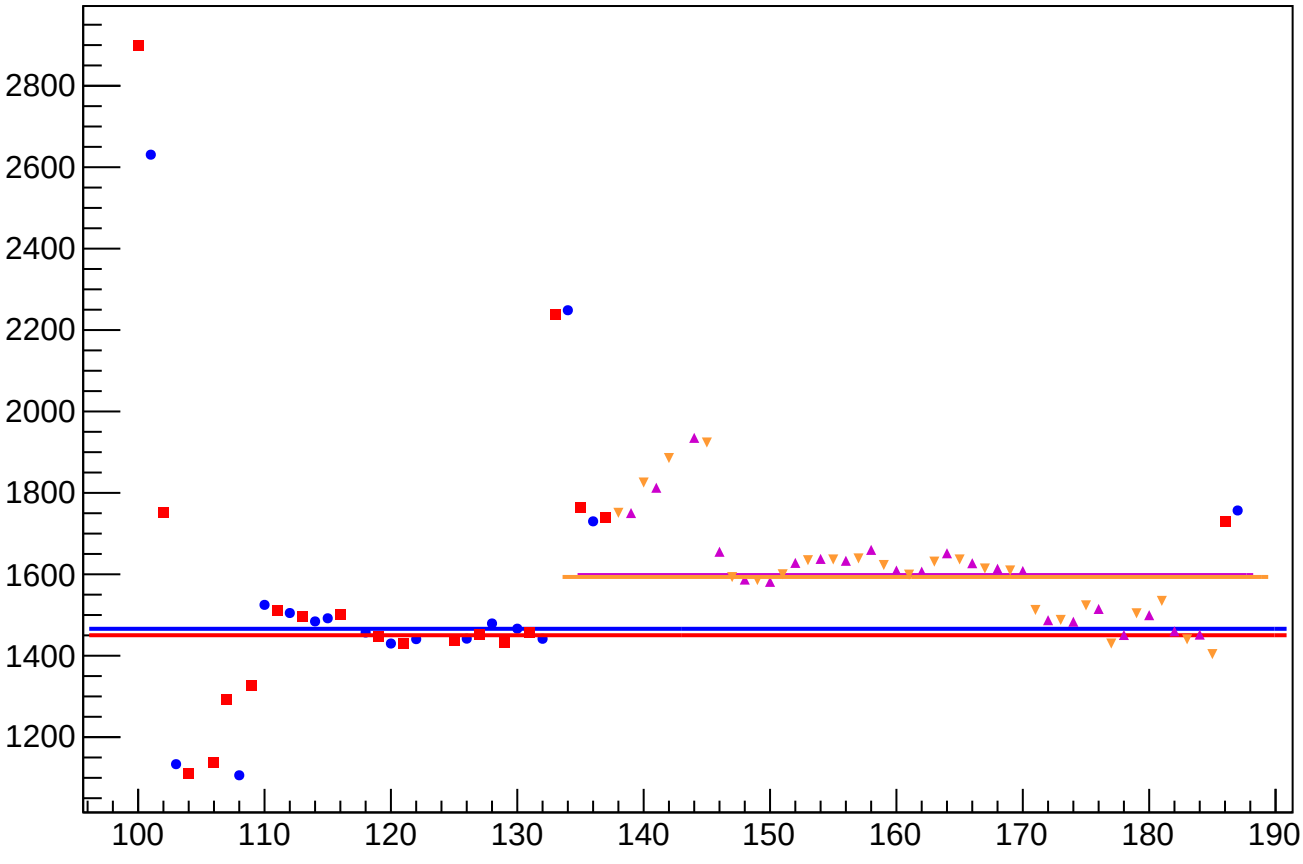
Right Out: 24.091+/-536.797 χ^2/NDF: 18.4/18

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 430.375+/-307.422 χ^2/NDF: 67.7/40

All: 489.751+/-217.196 χ^2/NDF: 100.1/82

\- sign 548.925+/-306.900 χ^2/NDF: 32.3/41



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.4/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

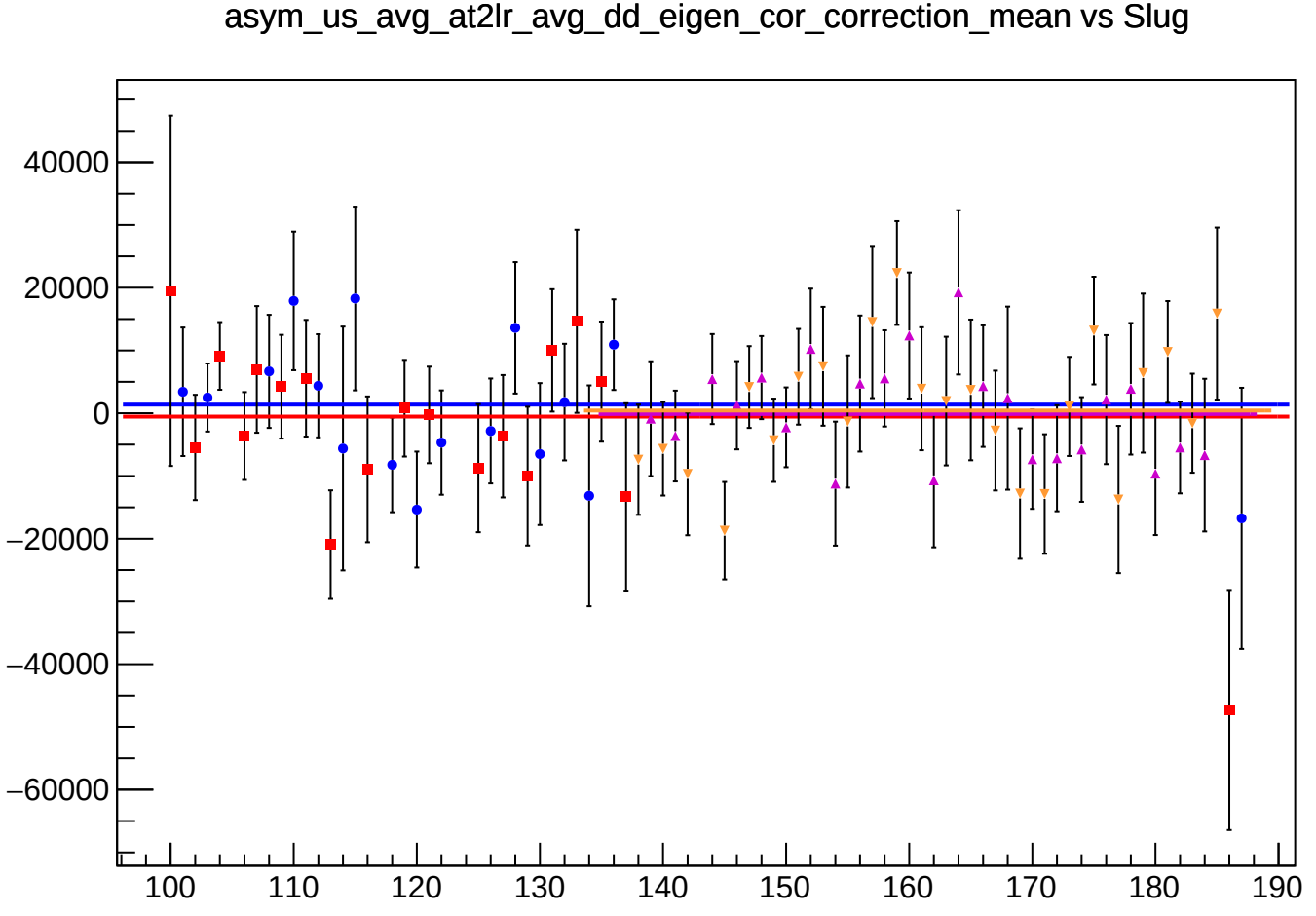
Right Out: 1450.313+/-0.379 χ^2/NDF: 395881.9/18

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1553.647+/-0.217 χ^2/NDF: 847661.7/40

All: 1551.650+/-0.154 χ^2/NDF: 1515240.4/82

- sign 1549.662+/-0.217 χ^2/NDF: 667410.3/41



Right In: 1373.954+/-2250.971 χ^2/NDF: 15.0/16

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

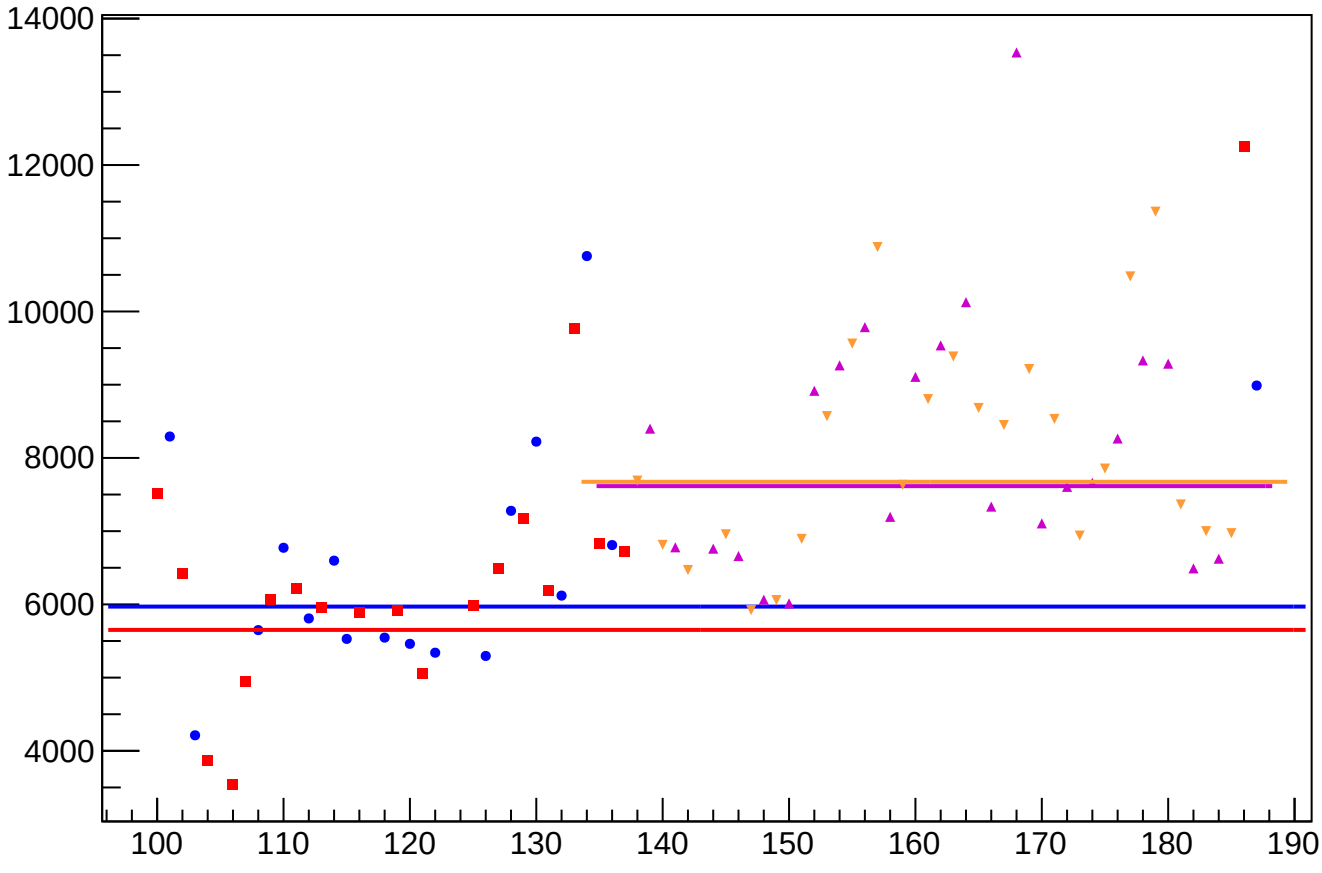
Right Out: -540.435+/-2119.908 χ^2/NDF: 22.5/18

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 801.129+/-1415.209 χ^2/NDF: 44.5/40

All: 235.387+/-987.521 χ^2/NDF: 81.2/82

- sign -301.493+/-1378.638 χ^2/NDF: 36.4/41



Right In: 5969.956+/-1.592 χ^2/NDF: 695674.4/16

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 5651.627+/-1.499 χ^2/NDF: 964981.7/18

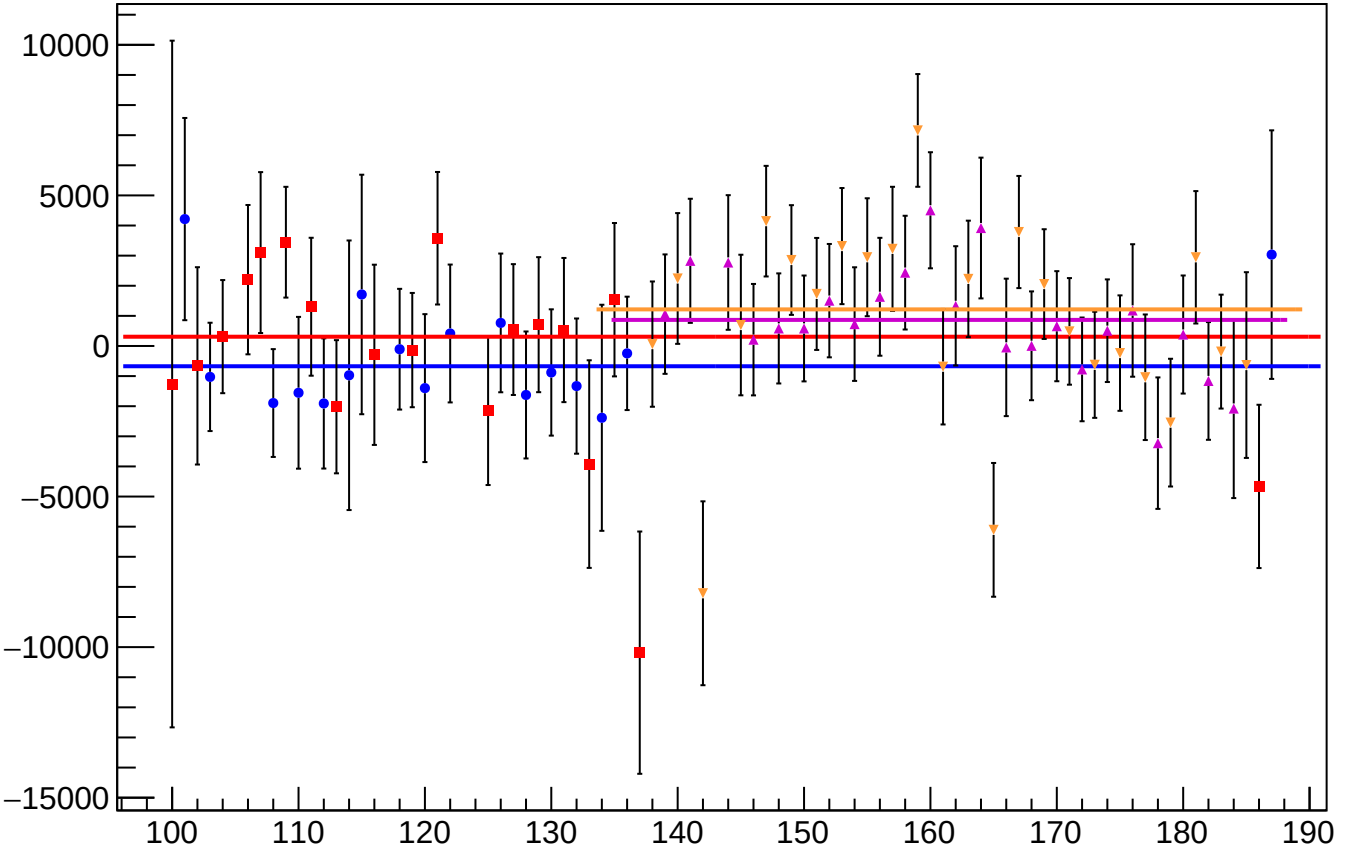
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7000.468+/-1.001 χ^2/NDF: 2465557.9/40

All: 6889.716+/-0.698 χ^2/NDF: 5668892.8/82

- sign 6784.613+/-0.975 χ^2/NDF: 3179462.1/41

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -673.180+/-572.482 χ^2/NDF: 5.6/16

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 307.615+/-562.597 χ^2/NDF: 21.2/18

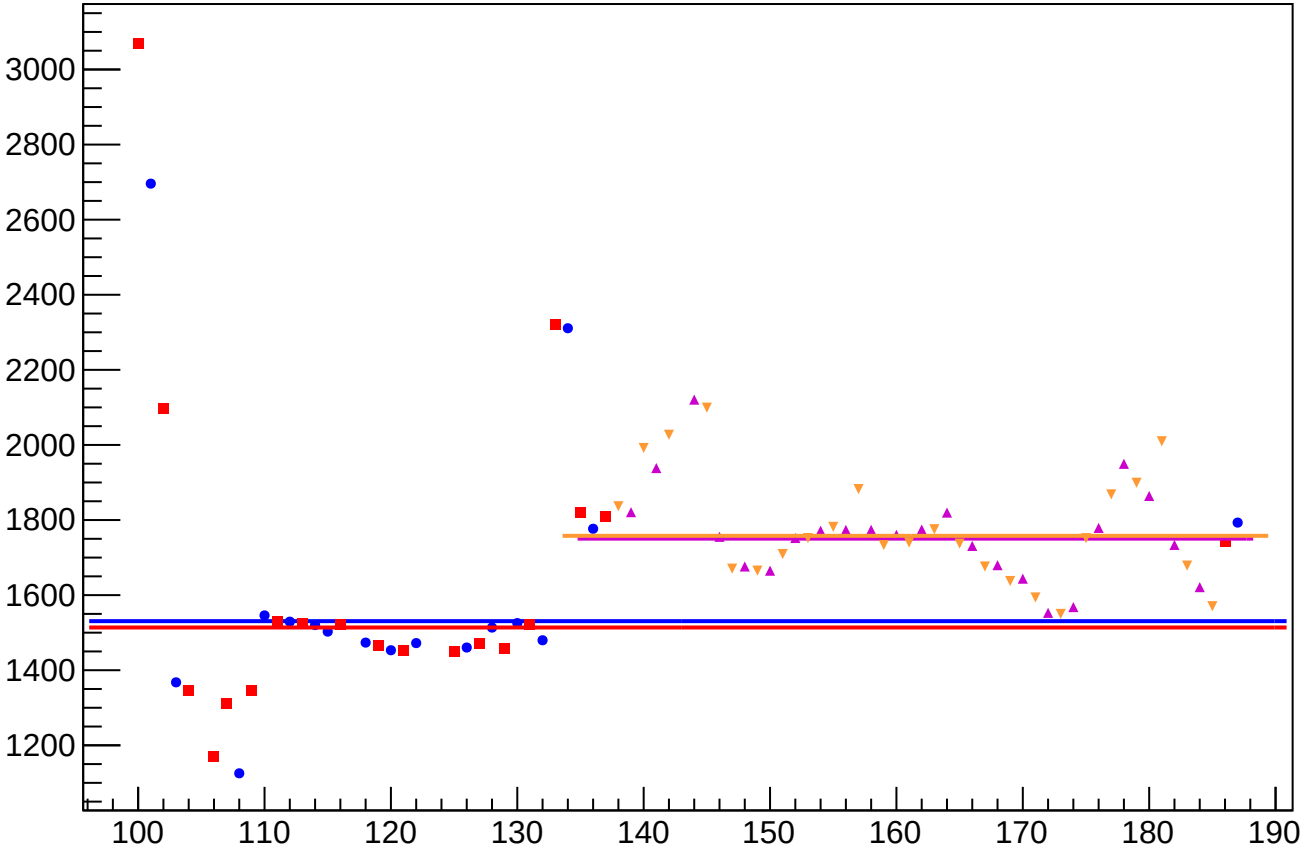
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 575.953+/-333.108 χ^2/NDF: 61.2/40

All: 624.380+/-234.925 χ^2/NDF: 98.3/82

- sign 672.302+/-331.367 χ^2/NDF: 37.0/41

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1530.686+/-0.405 χ^2/NDF: 496578.6/16

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

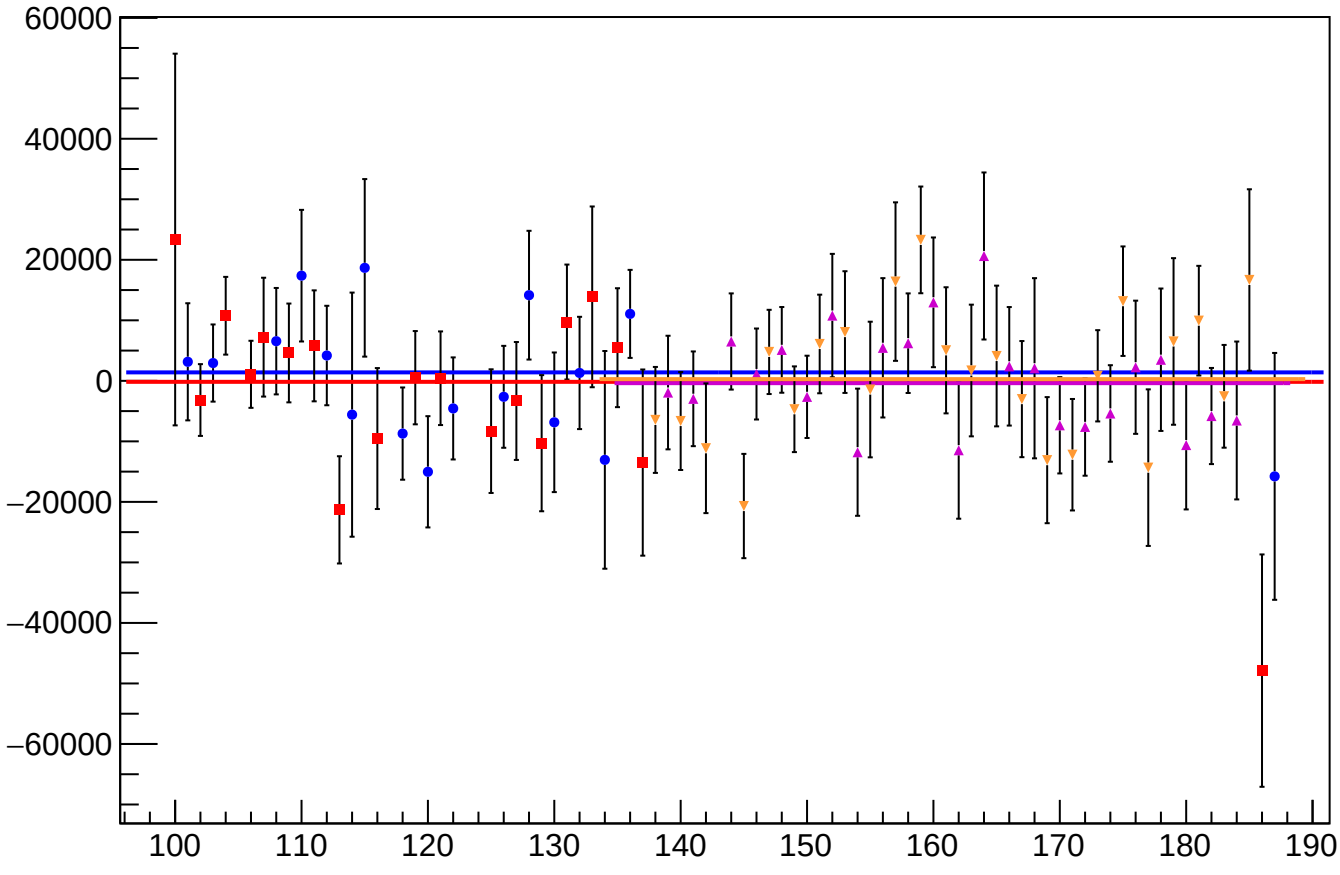
Right Out: 1513.790+/-0.398 χ^2/NDF: 353582.8/18

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1681.015+/-0.236 χ^2/NDF: 918363.9/40

All: 1674.642+/-0.166 χ^2/NDF: 1676559.4/82

- sign 1668.336+/-0.234 χ^2/NDF: 756739.1/41



Right In: 1397.720+/-2305.166 χ^2/NDF: 15.0/16

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

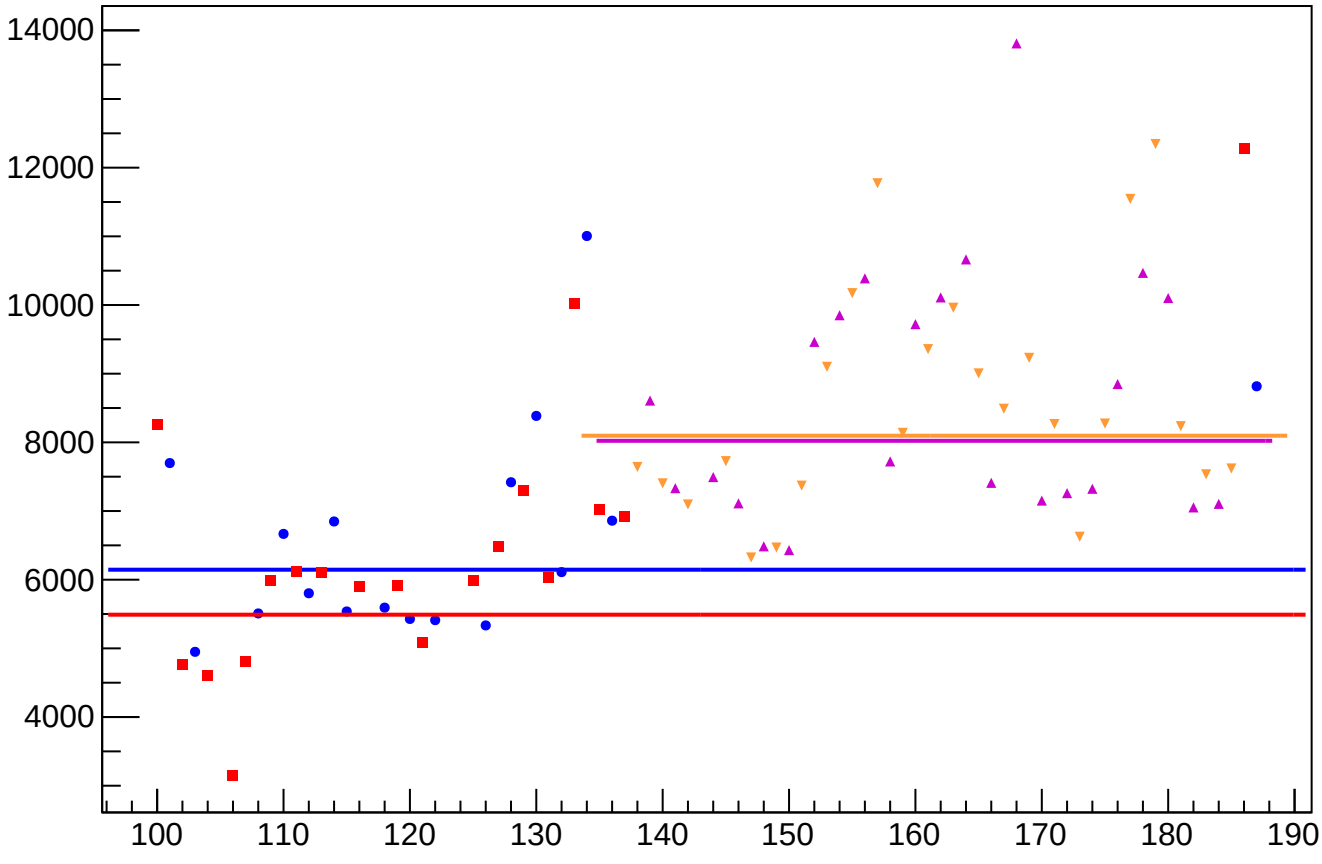
Right Out: -164.005+/-2049.093 χ^2/NDF: 22.3/18

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

\+ sign 740.754+/-1475.352 χ^2/NDF: 43.8/40

All: 202.494+/-1014.815 χ^2/NDF: 79.9/82

\- sign -280.869+/-1398.094 χ^2/NDF: 35.9/41



Right In: 6145.600+/-1.630 χ^2/NDF: 506409.3/16

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

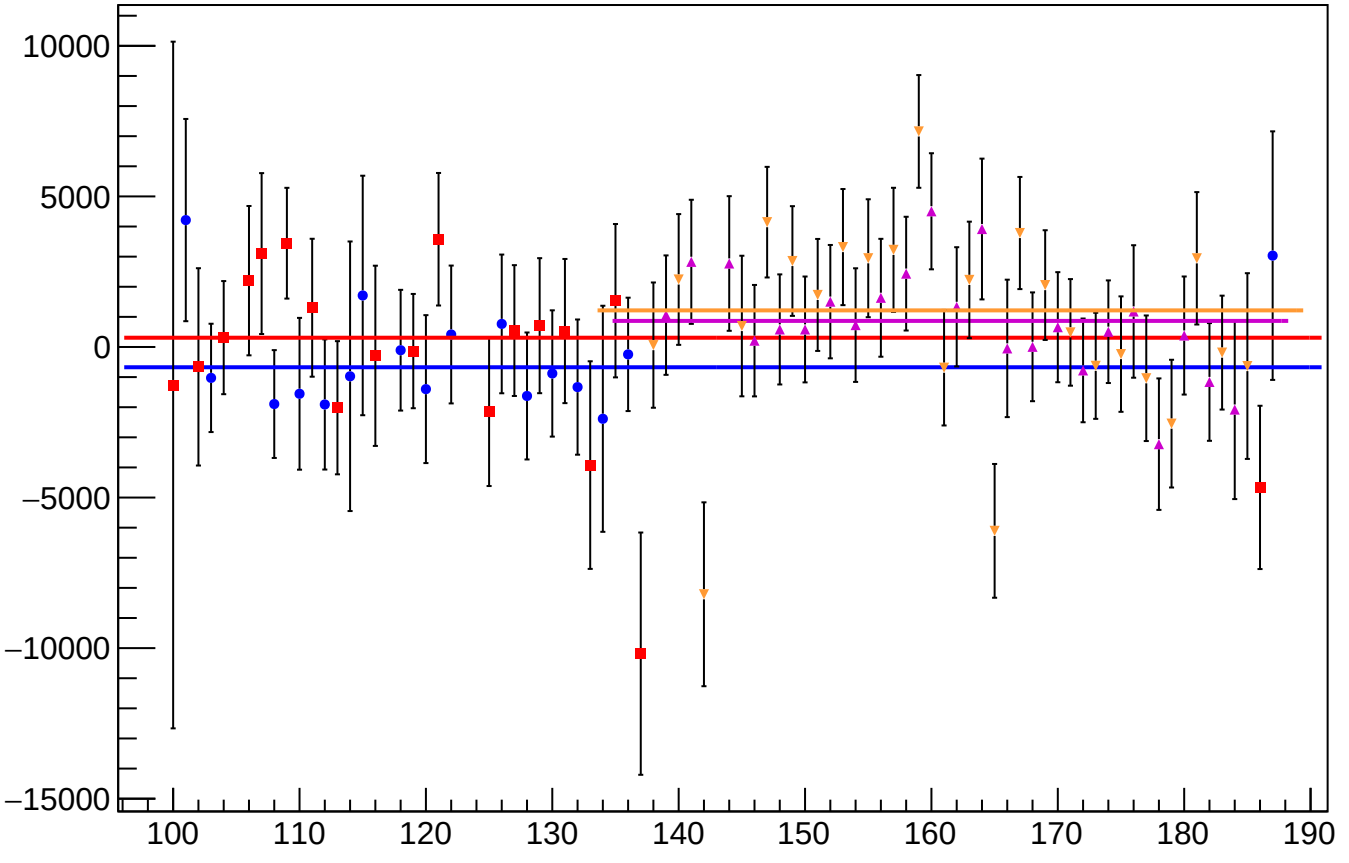
Right Out: 5490.594+/-1.449 χ^2/NDF: 1075022.6/18

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7297.552+/-1.043 χ^2/NDF: 2440192.3/40

All: 7058.557+/-0.718 χ^2/NDF: 6472681.7/82

- sign 6843.938+/-0.989 χ^2/NDF: 3932877.2/41



Right In: -673.186+/-572.482 χ^2/NDF: 5.6/16

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 307.630+/-562.597 χ^2/NDF: 21.2/18

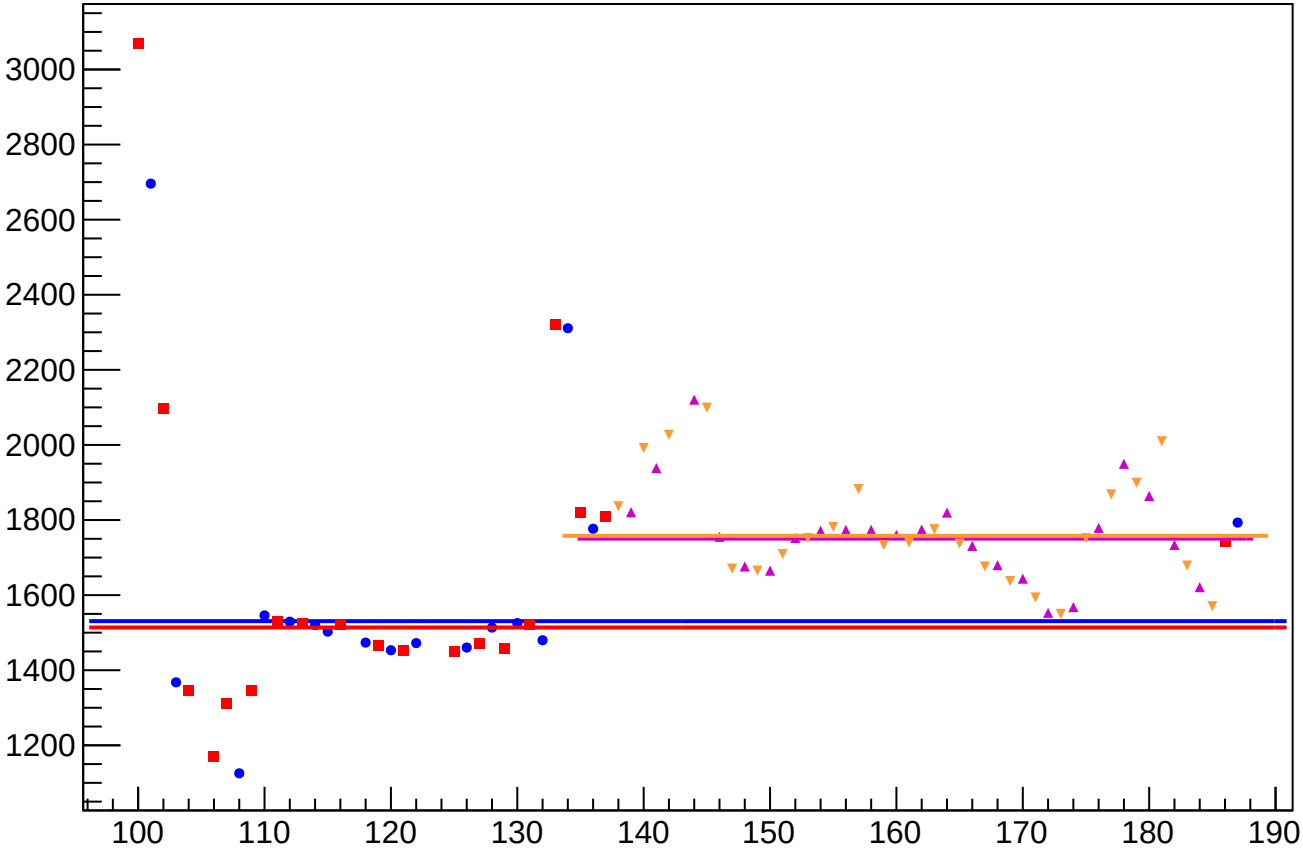
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 575.955+/-333.109 χ^2/NDF: 61.2/40

All: 624.383+/-234.925 χ^2/NDF: 98.3/82

- sign 672.306+/-331.367 χ^2/NDF: 37.0/41

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1530.686+/-0.405 χ^2/NDF: 496578.0/16

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

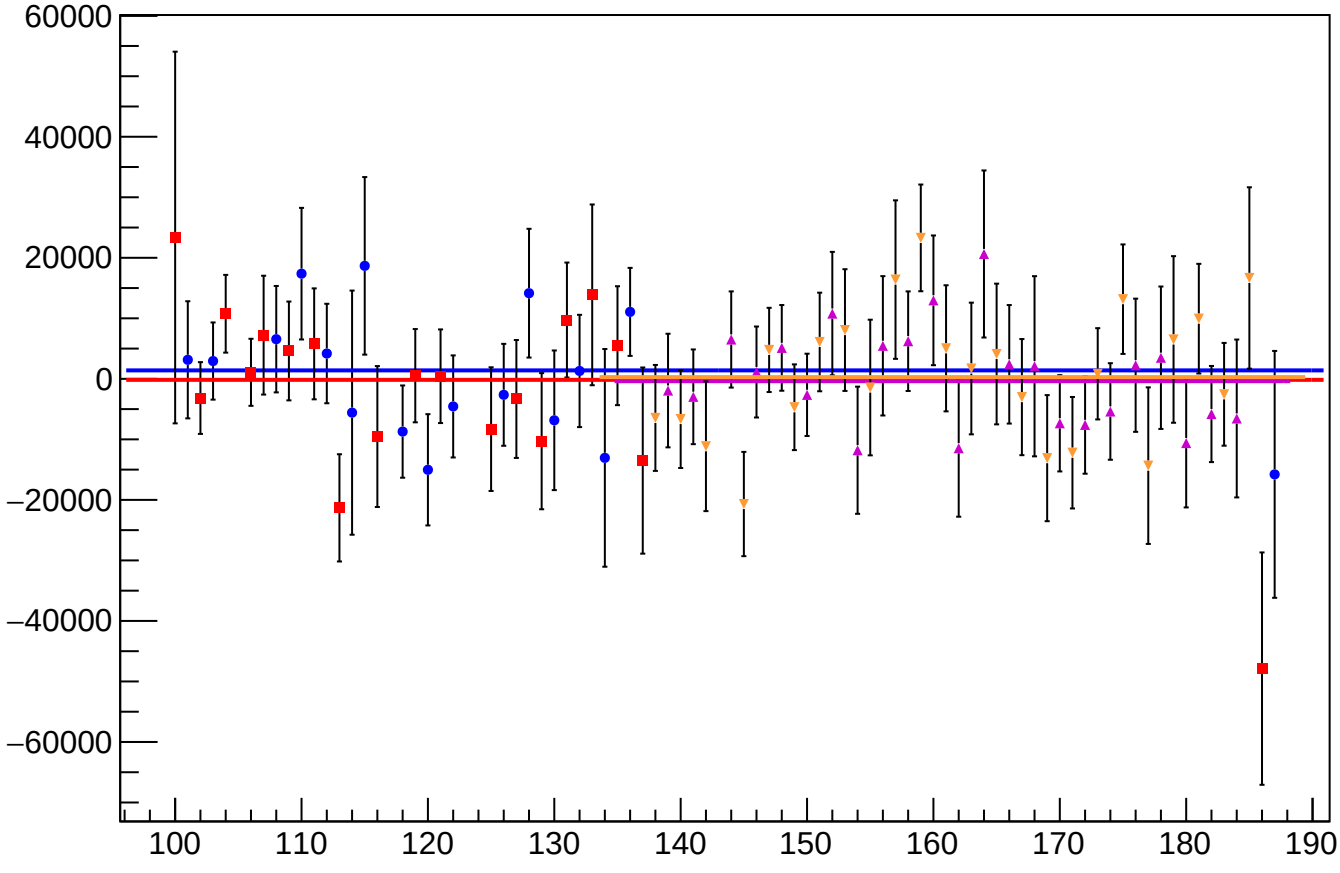
Right Out: 1513.790+/-0.398 χ^2/NDF: 353583.0/18

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1681.017+/-0.236 χ^2/NDF: 918376.4/40

All: 1674.644+/-0.166 χ^2/NDF: 1676585.0/82

- sign 1668.338+/-0.234 χ^2/NDF: 756752.2/41



Right In: 1397.701+/-2305.161 χ^2/NDF: 15.0/16

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

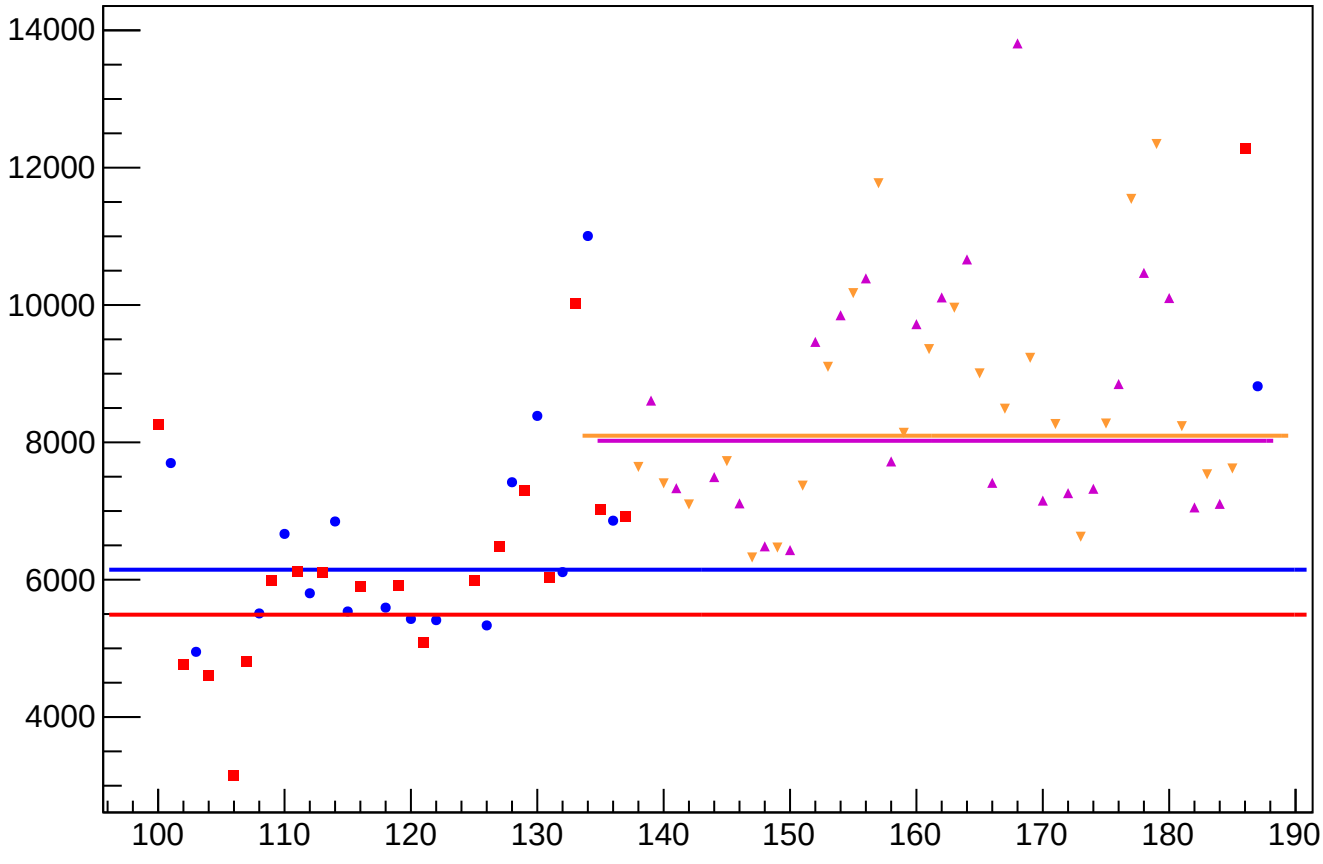
Right Out: -163.998+/-2049.089 χ^2/NDF: 22.3/18

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 740.749+/-1475.352 χ^2/NDF: 43.8/40

All: 202.493+/-1014.815 χ^2/NDF: 79.9/82

- sign -280.867+/-1398.094 χ^2/NDF: 35.9/41



Right In: 6145.587+/-1.630 χ^2/NDF: 506412.2/16

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5490.582+/-1.449 χ^2/NDF: 1075022.9/18

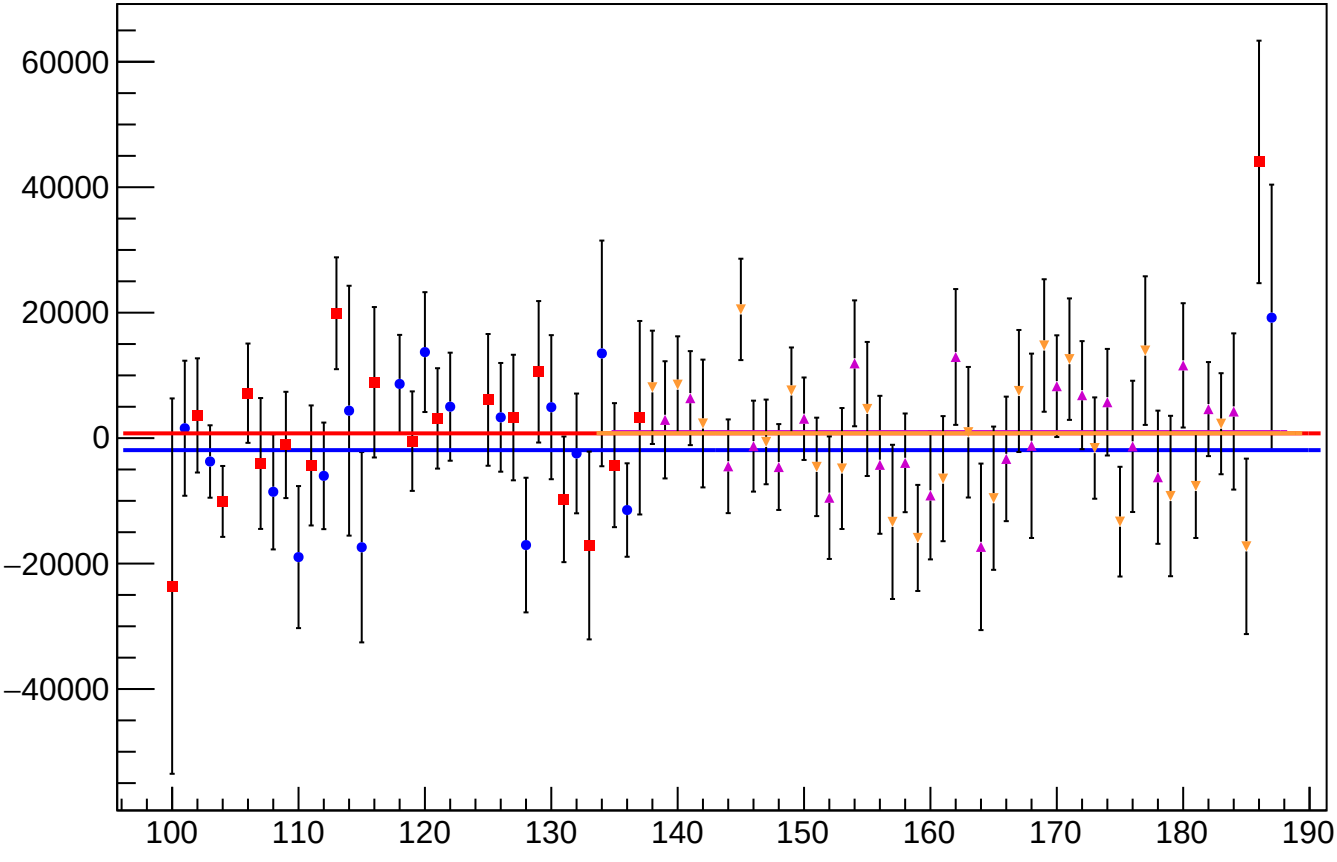
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7297.550+/-1.043 χ^2/NDF: 2440221.1/40

All: 7058.555+/-0.718 χ^2/NDF: 6472747.1/82

- sign 6843.934+/-0.989 χ^2/NDF: 3932912.9/41

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -1915.230+/-2333.410 χ^2/NDF: 15.6/16

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 758.910+/-2214.212 χ^2/NDF: 19.7/18

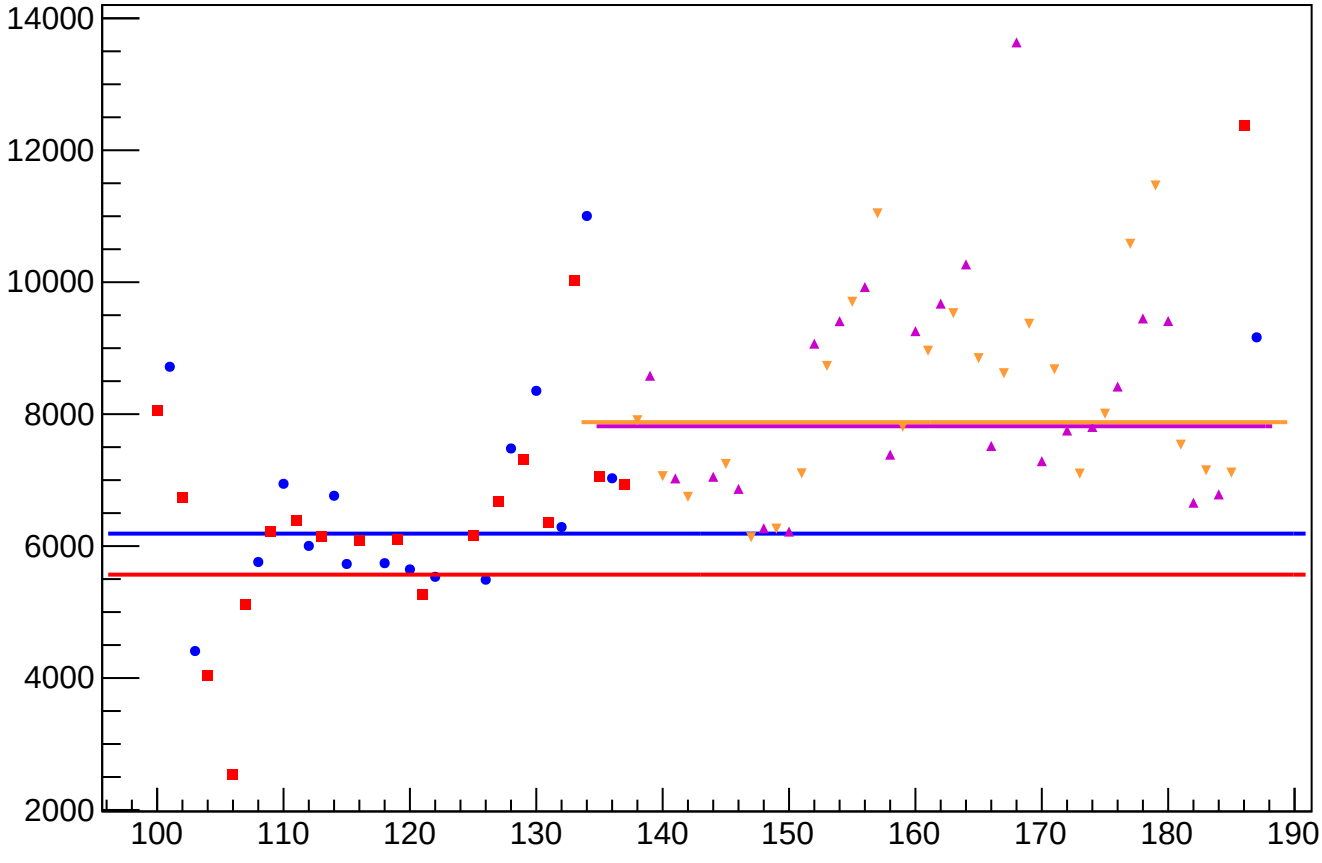
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -263.813+/-1456.899 χ^2/NDF: 43.6/40

All: 320.649+/-1018.410 χ^2/NDF: 76.4/82

- sign 879.137+/-1424.158 χ^2/NDF: 32.5/41

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 6189.146+/-1.650 χ^2/NDF: 663865.8/16

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

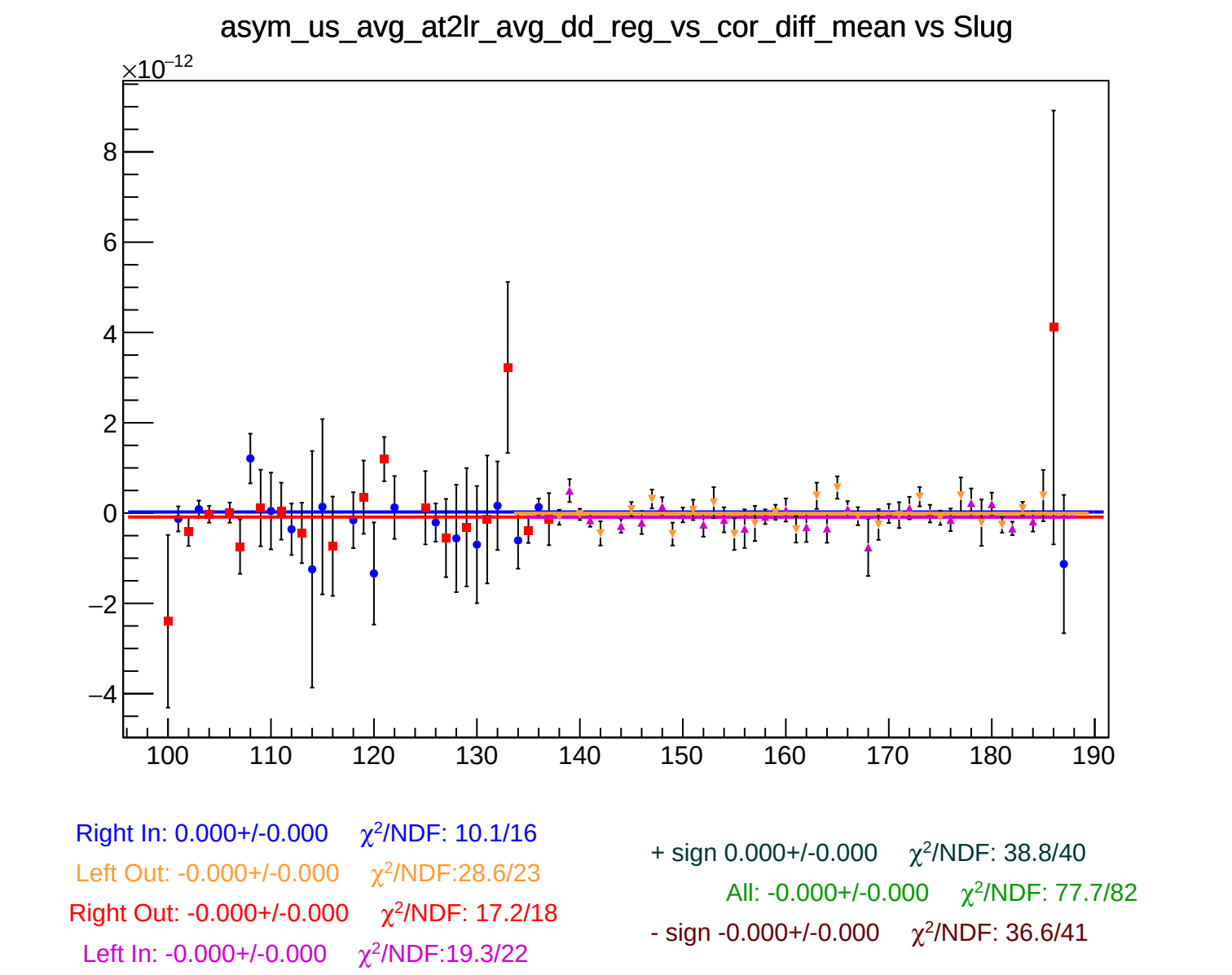
Right Out: 5567.518+/-1.510 χ^2/NDF: 1400165.2/18

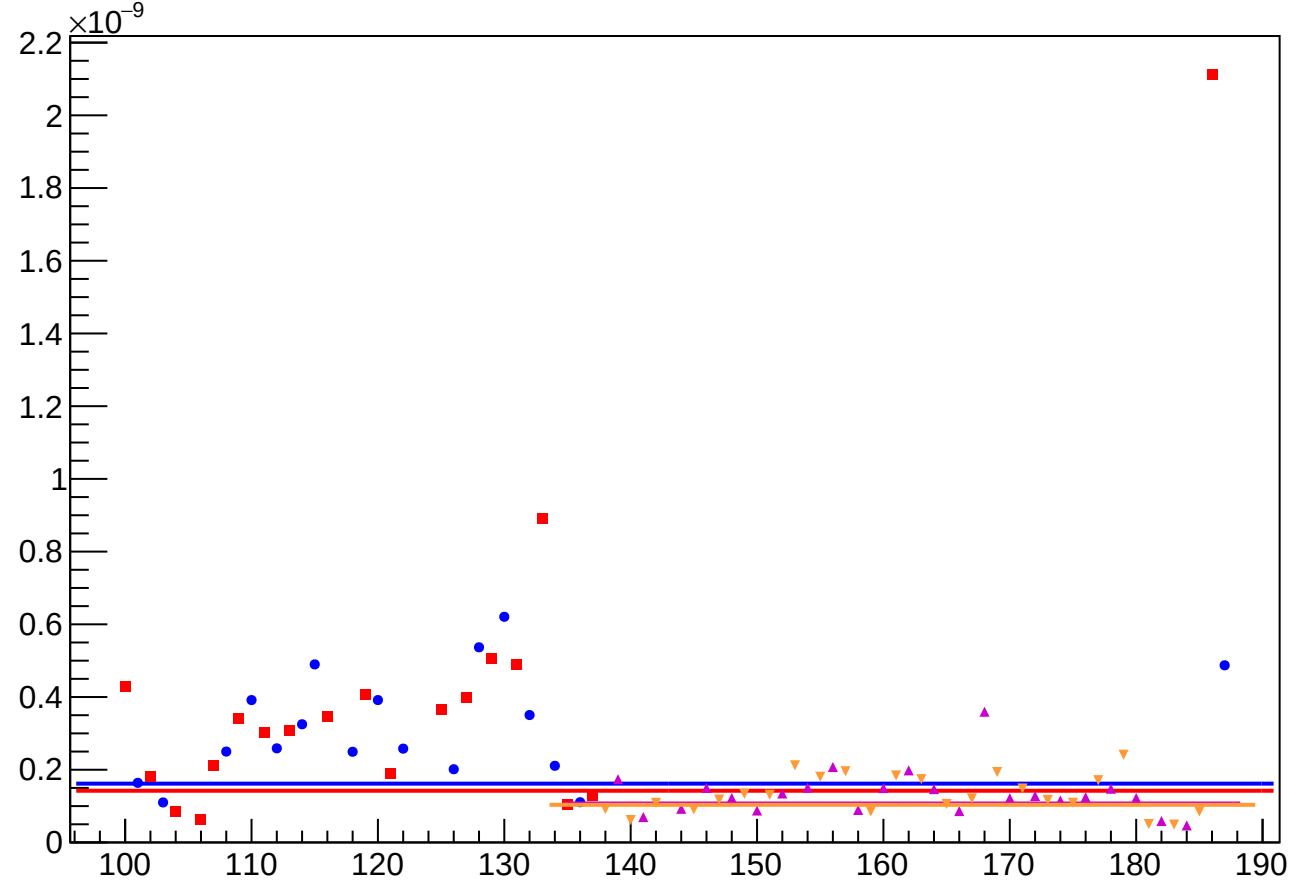
Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7219.921+/-1.030 χ^2/NDF: 2293560.1/40

All: 7026.100+/-0.714 χ^2/NDF: 6155492.2/82

- sign 6846.458+/-0.992 χ^2/NDF: 3793726.4/41


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.1/16
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/18
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign 0.000+/-0.000 χ²/NDF: 38.8/40
All: -0.000+/-0.000 χ²/NDF: 77.7/82
- sign -0.000+/-0.000 χ²/NDF: 36.6/41



Right In: 0.000+/-0.000 χ^2/NDF: 1420349.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

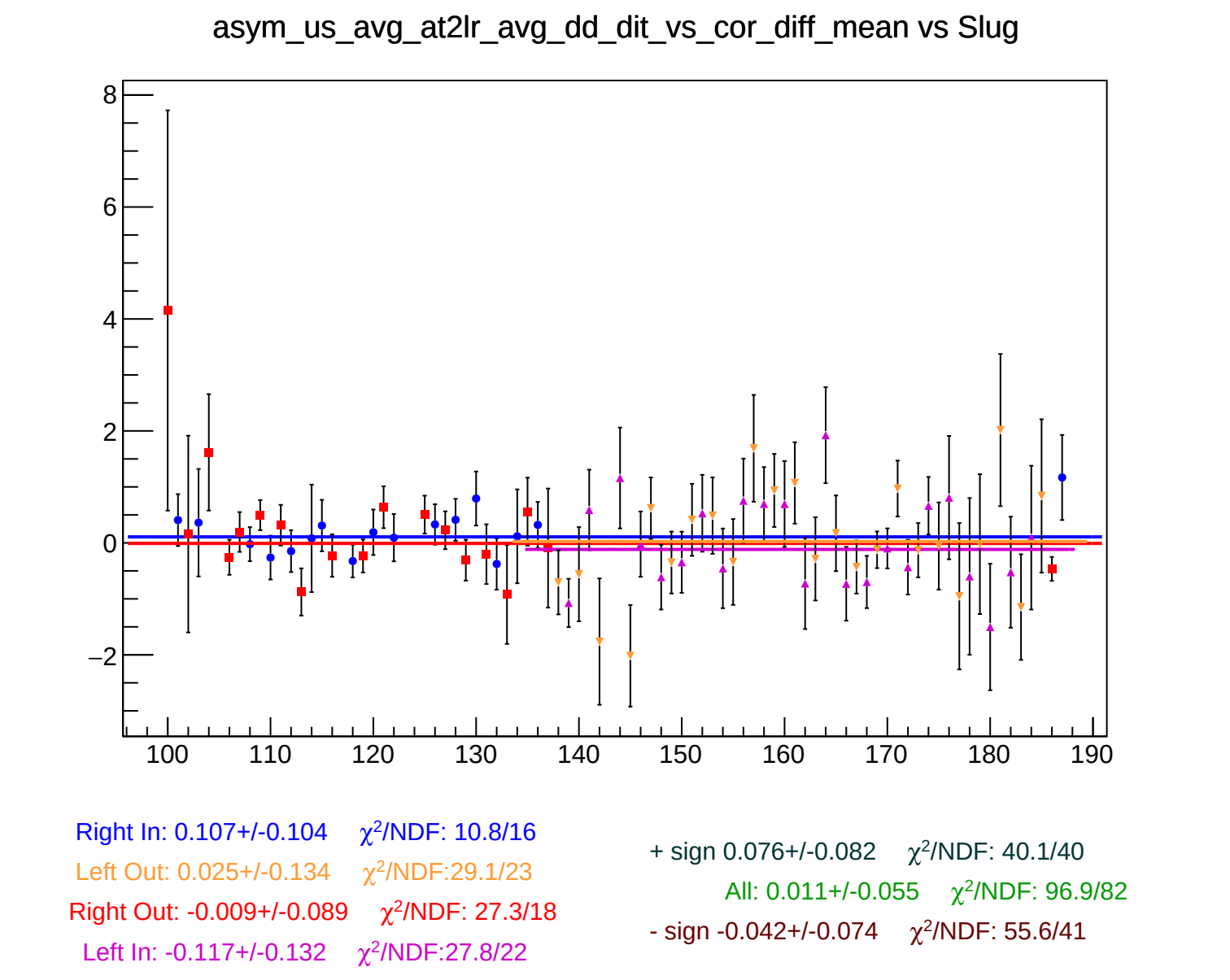
Right Out: 0.000+/-0.000 χ^2/NDF: 2502041.4/18

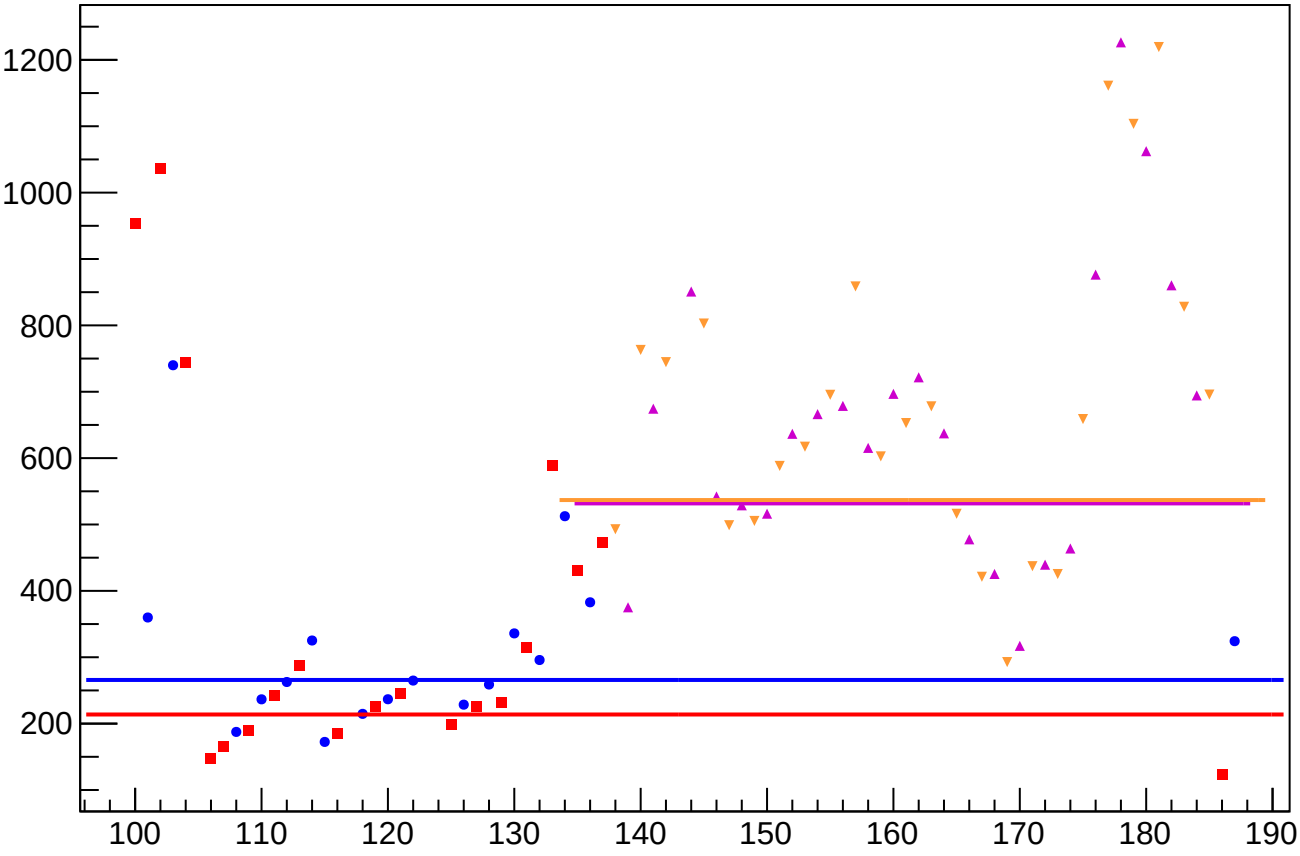
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3862864.4/40

All: 0.000+/-0.000 χ^2/NDF: 8156893.6/82

- sign 0.000+/-0.000 χ^2/NDF: 4293929.7/41


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.107+/-0.104 χ²/NDF: 10.8/16
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: -0.009+/-0.089 χ²/NDF: 27.3/18
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.076+/-0.082 χ²/NDF: 40.1/40
All: 0.011+/-0.055 χ²/NDF: 96.9/82
- sign -0.042+/-0.074 χ²/NDF: 55.6/41



Right In: 265.786+/-0.074 χ^2/NDF: 1296069.4/16

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 213.750+/-0.063 χ^2/NDF: 2468480.9/18

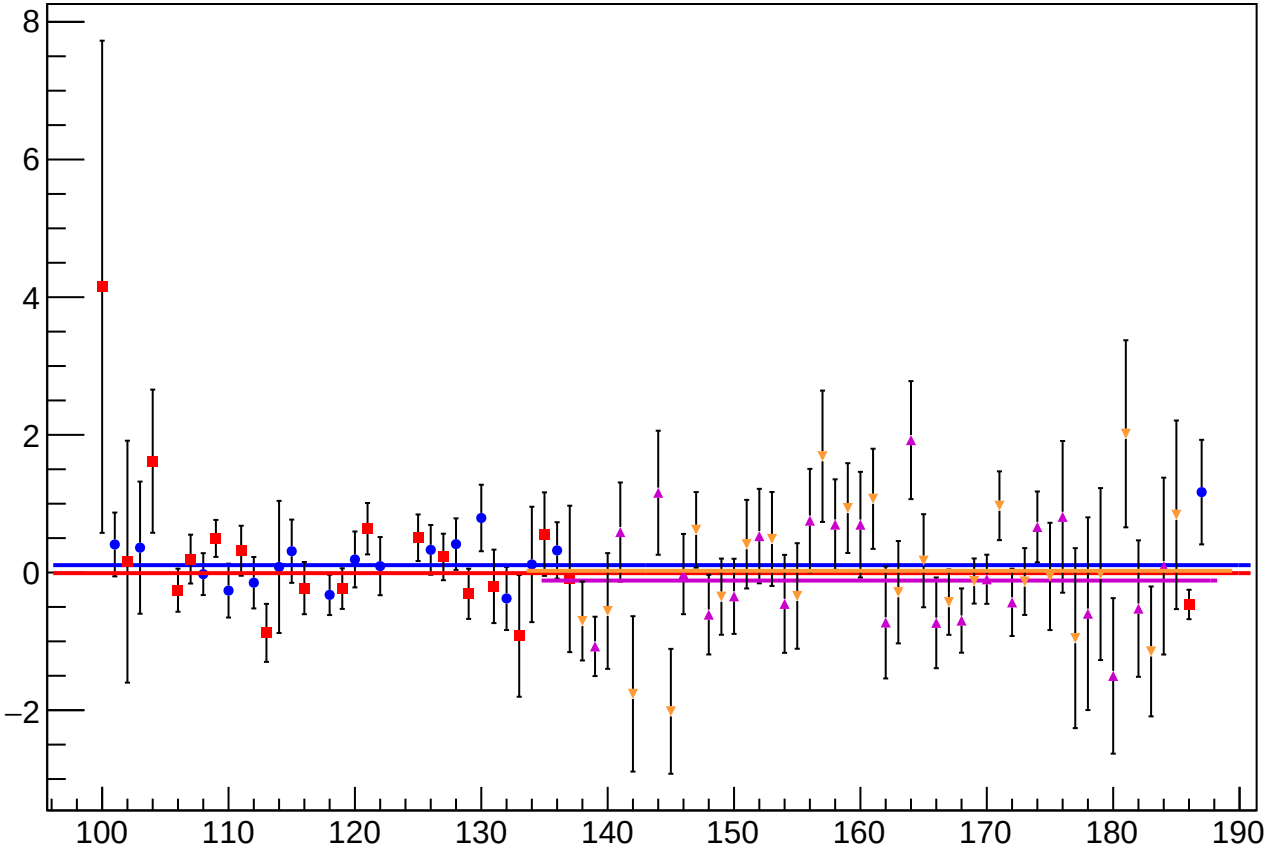
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 367.807+/-0.058 χ^2/NDF: 10363895.8/40

All: 336.846+/-0.039 χ^2/NDF: 24691389.2/82

- sign 312.003+/-0.052 χ^2/NDF: 13816007.6/41

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

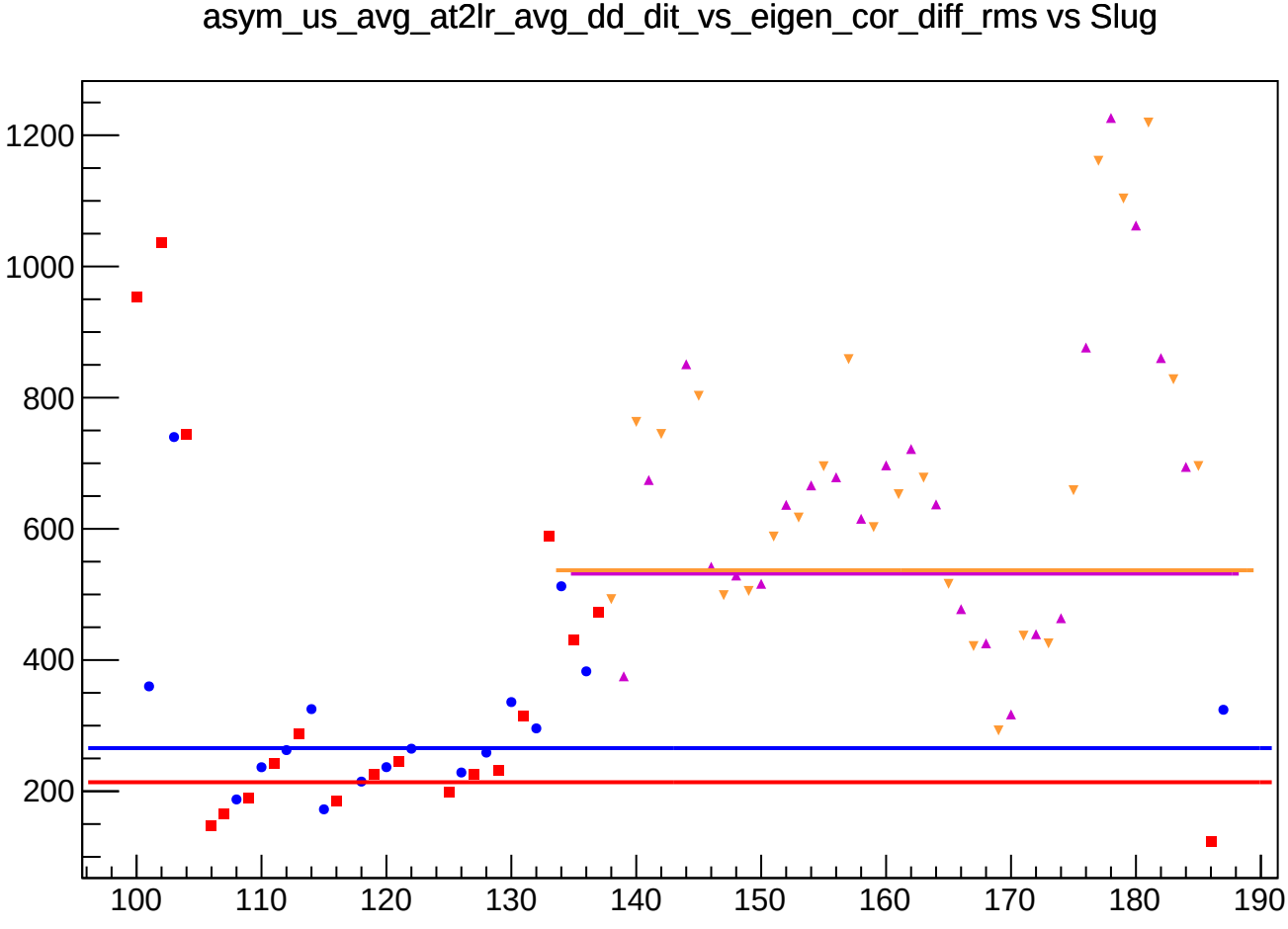
Right Out: -0.009+/-0.089 χ^2/NDF: 27.3/18

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.076+/-0.082 χ^2/NDF: 40.1/40

All: 0.011+/-0.055 χ^2/NDF: 96.9/82

- sign -0.042+/-0.074 χ^2/NDF: 55.6/41



Right In: 265.786+/-0.074 χ^2/NDF: 1296069.4/16

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

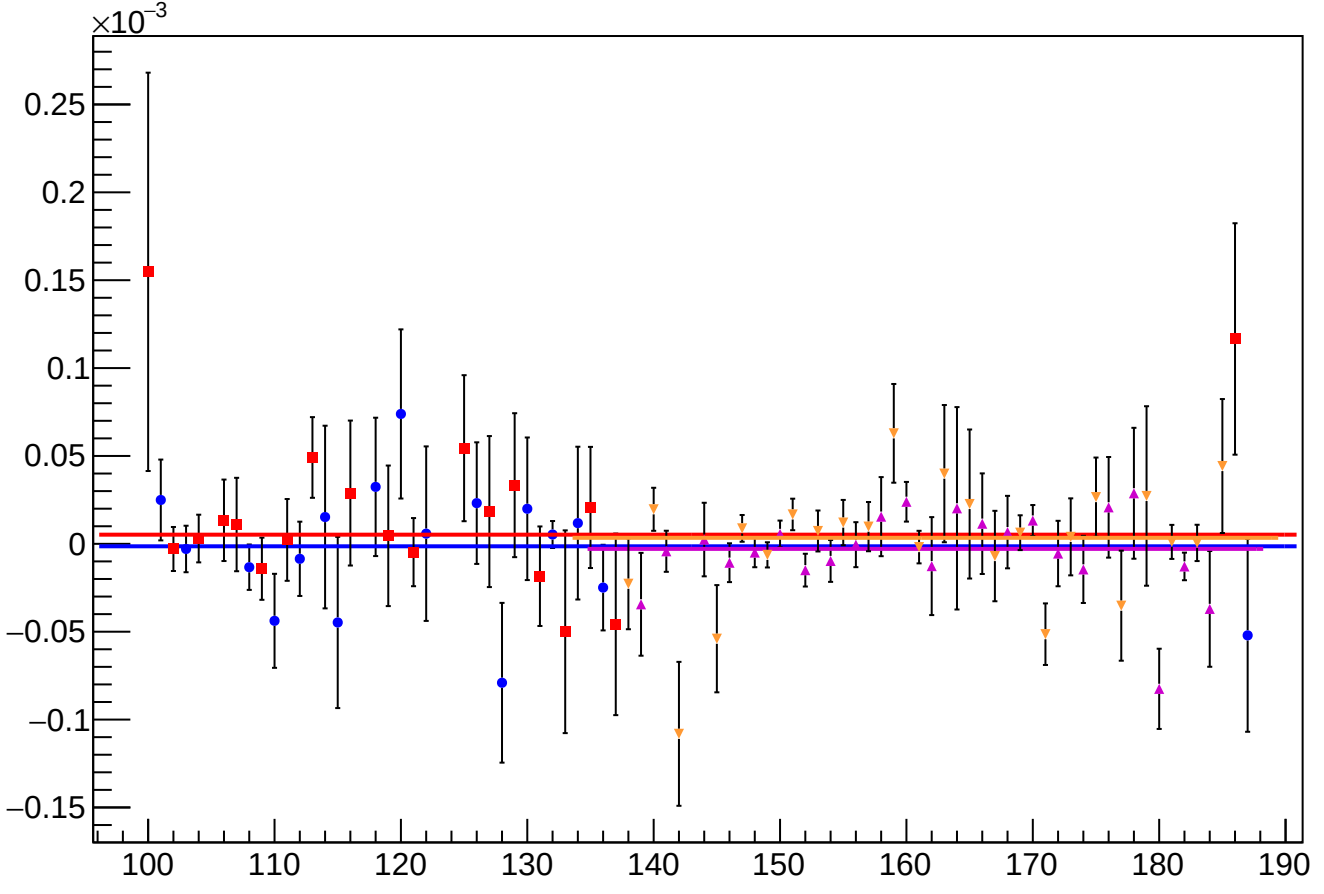
Right Out: 213.750+/-0.063 χ^2/NDF: 2468480.9/18

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 367.807+/-0.058 χ^2/NDF: 10363895.8/40

All: 336.846+/-0.039 χ^2/NDF: 24691389.2/82

- sign 312.003+/-0.052 χ^2/NDF: 13816007.6/41



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

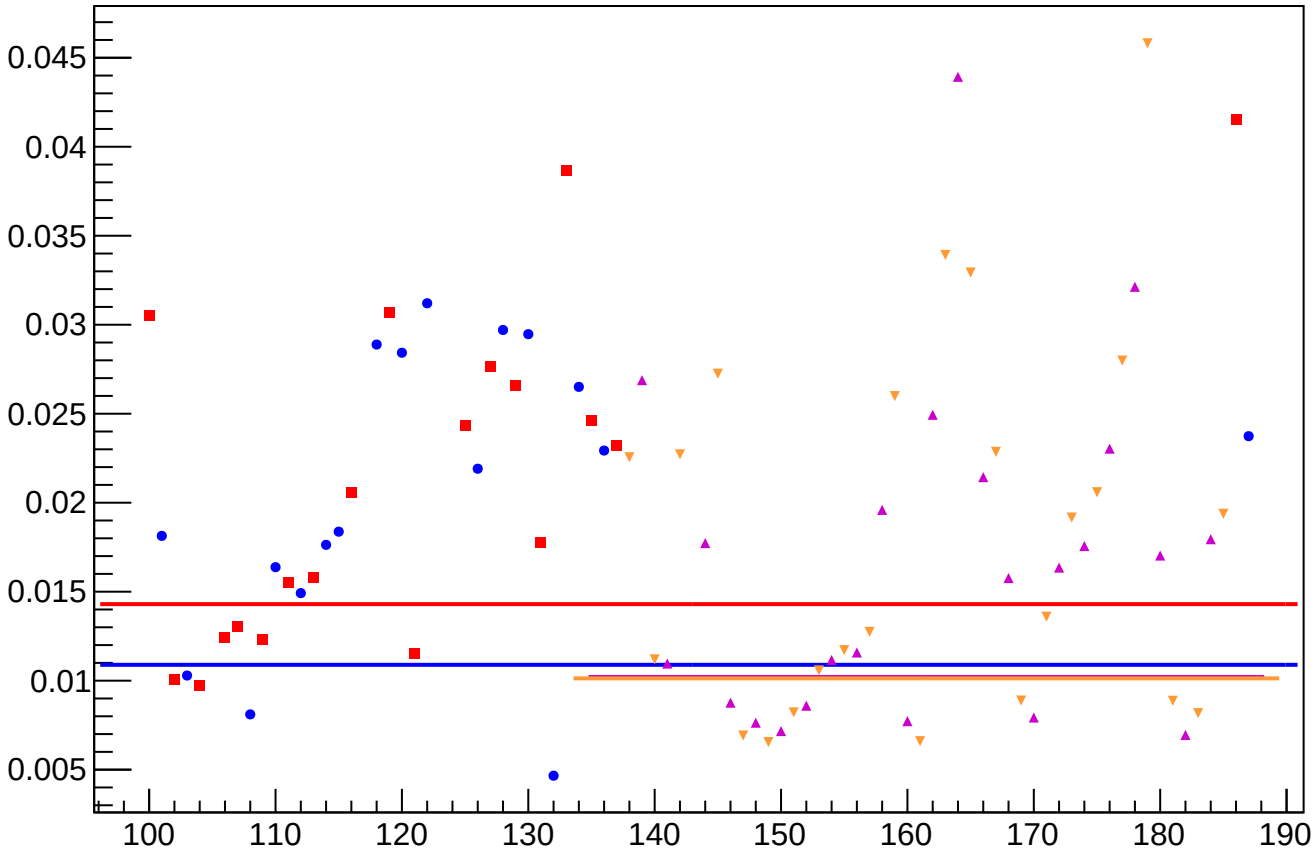
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.0/40

All: 0.000+/-0.000 χ^2/NDF: 105.4/82

- sign -0.000+/-0.000 χ^2/NDF: 49.3/41



Right In: 0.011+/-0.000 χ^2/NDF: 4690594.5/16

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

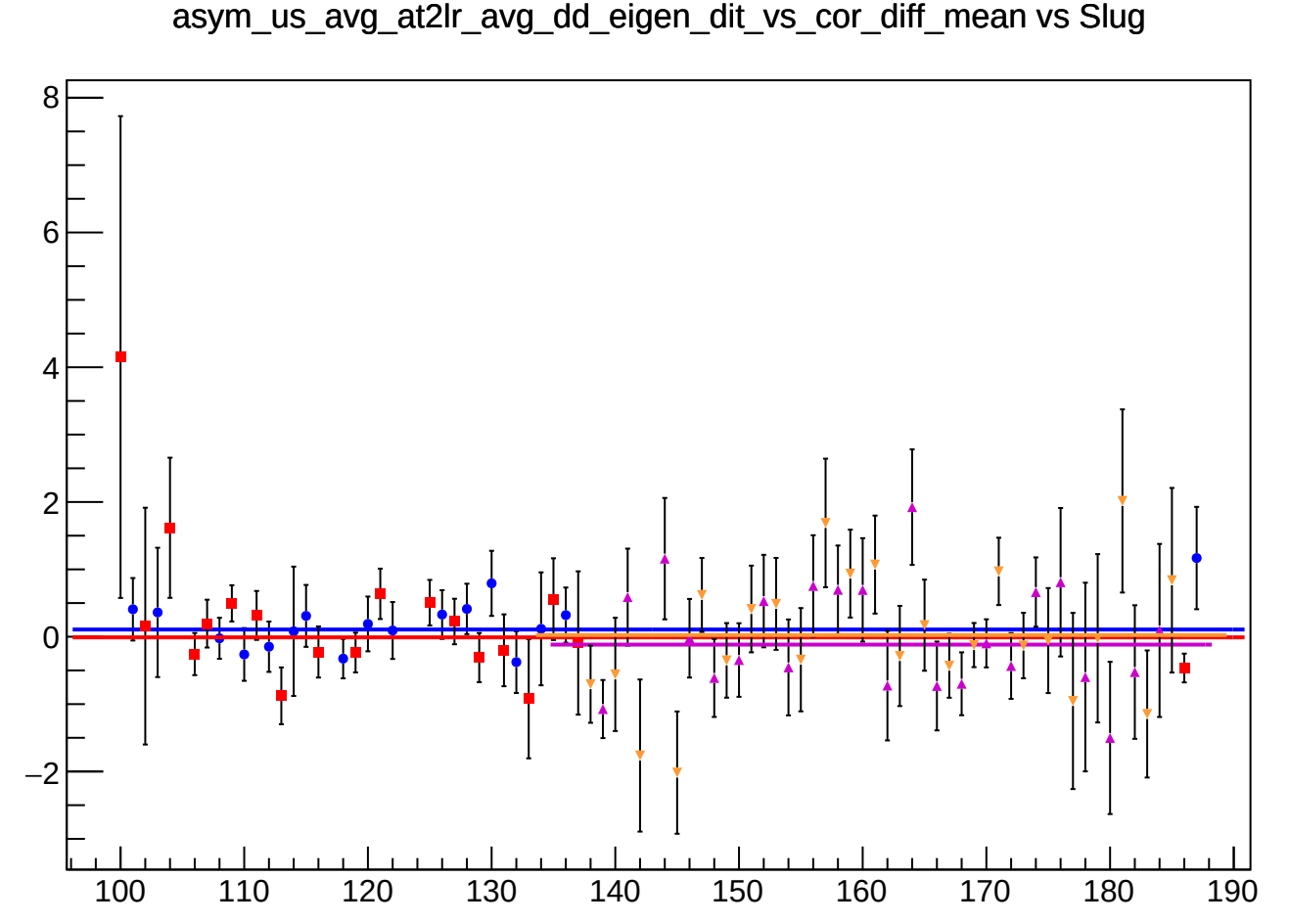
Right Out: 0.014+/-0.000 χ^2/NDF: 2430051.8/18

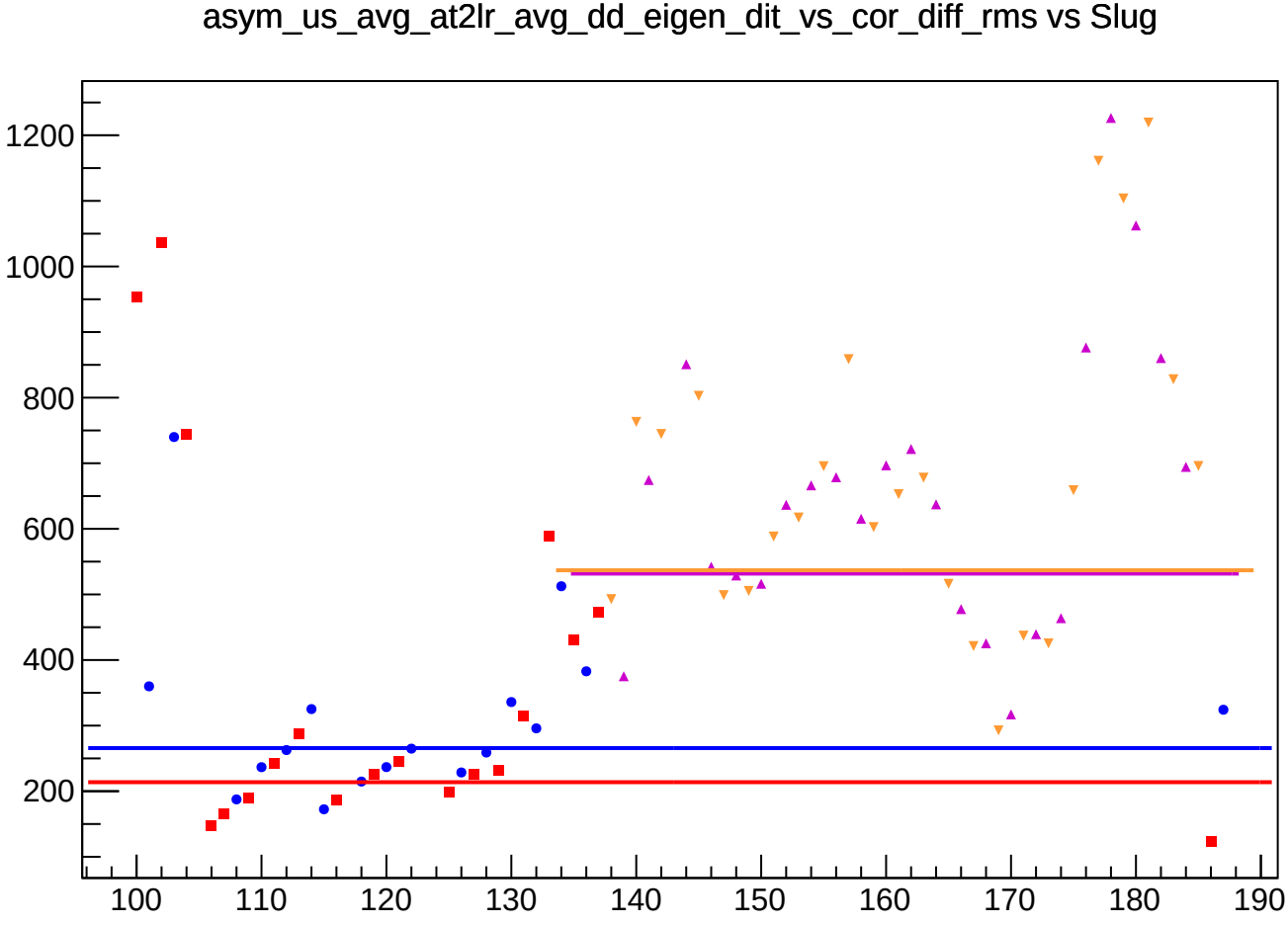
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.010+/-0.000 χ^2/NDF: 12539003.2/40

All: 0.011+/-0.000 χ^2/NDF: 21954224.3/82

- sign 0.011+/-0.000 χ^2/NDF: 9337937.6/41


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.107+/-0.104 χ²/NDF: 10.8/16
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: -0.009+/-0.089 χ²/NDF: 27.3/18
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.076+/-0.082 χ²/NDF: 40.1/40
All: 0.011+/-0.055 χ²/NDF: 96.9/82
- sign -0.042+/-0.074 χ²/NDF: 55.6/41



Right In: 265.785+/-0.074 χ^2/NDF: 1296036.6/16

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 213.746+/-0.063 χ^2/NDF: 2468601.4/18

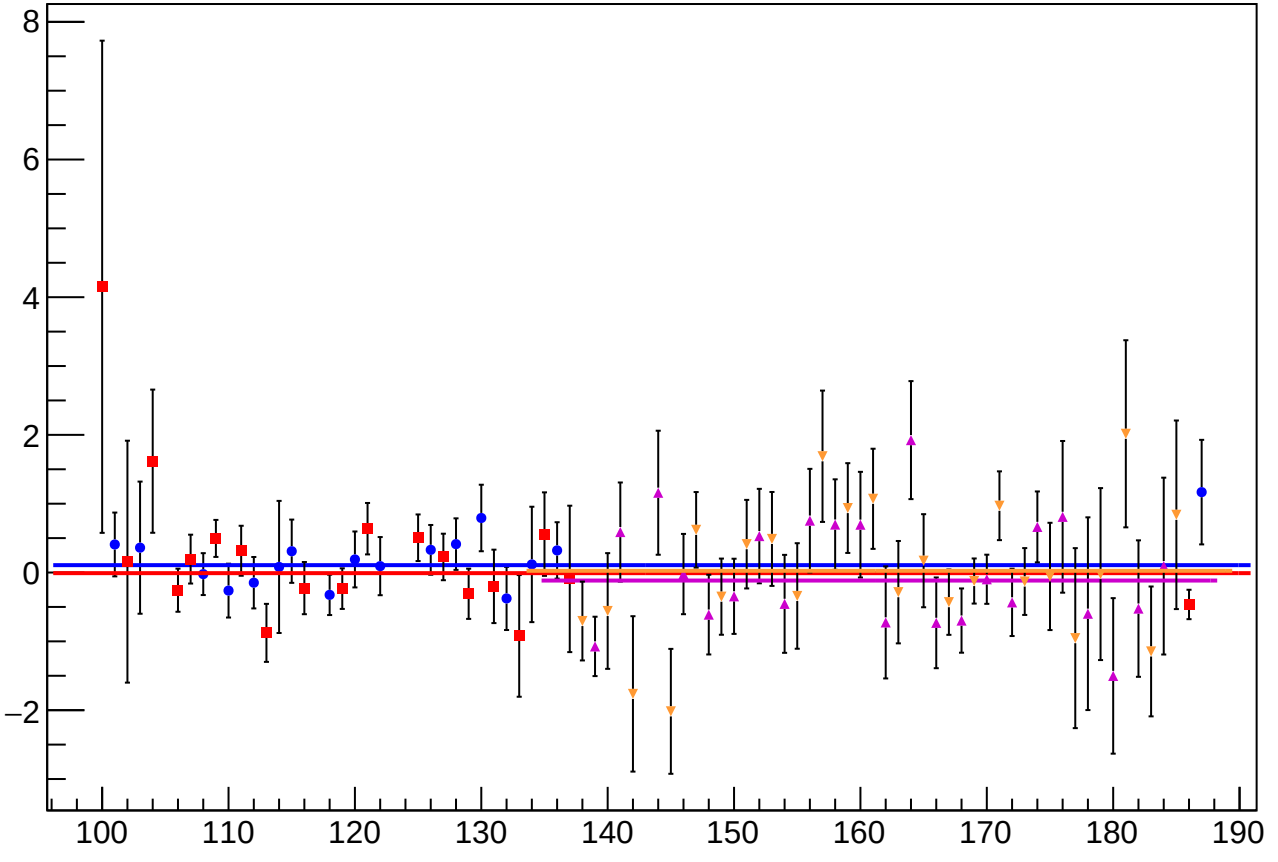
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 367.806+/-0.058 χ^2/NDF: 10364058.1/40

All: 336.843+/-0.039 χ^2/NDF: 24692120.1/82

- sign 311.999+/-0.052 χ^2/NDF: 13816516.3/41

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

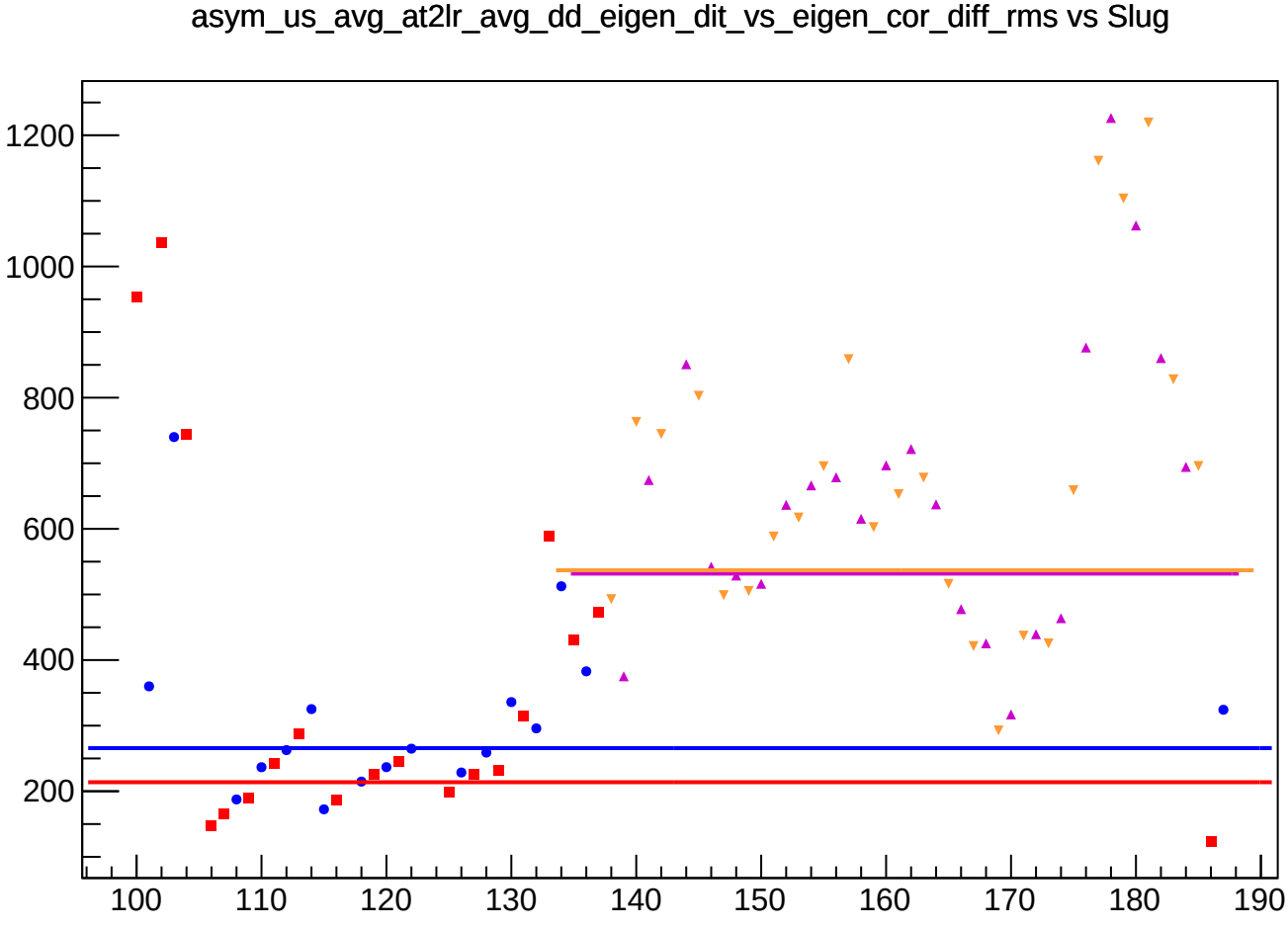
Right Out: -0.009+/-0.089 χ^2/NDF: 27.3/18

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.076+/-0.082 χ^2/NDF: 40.1/40

All: 0.011+/-0.055 χ^2/NDF: 96.9/82

- sign -0.042+/-0.074 χ^2/NDF: 55.6/41



Right In: 265.785+/-0.074 χ^2/NDF: 1296036.6/16

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

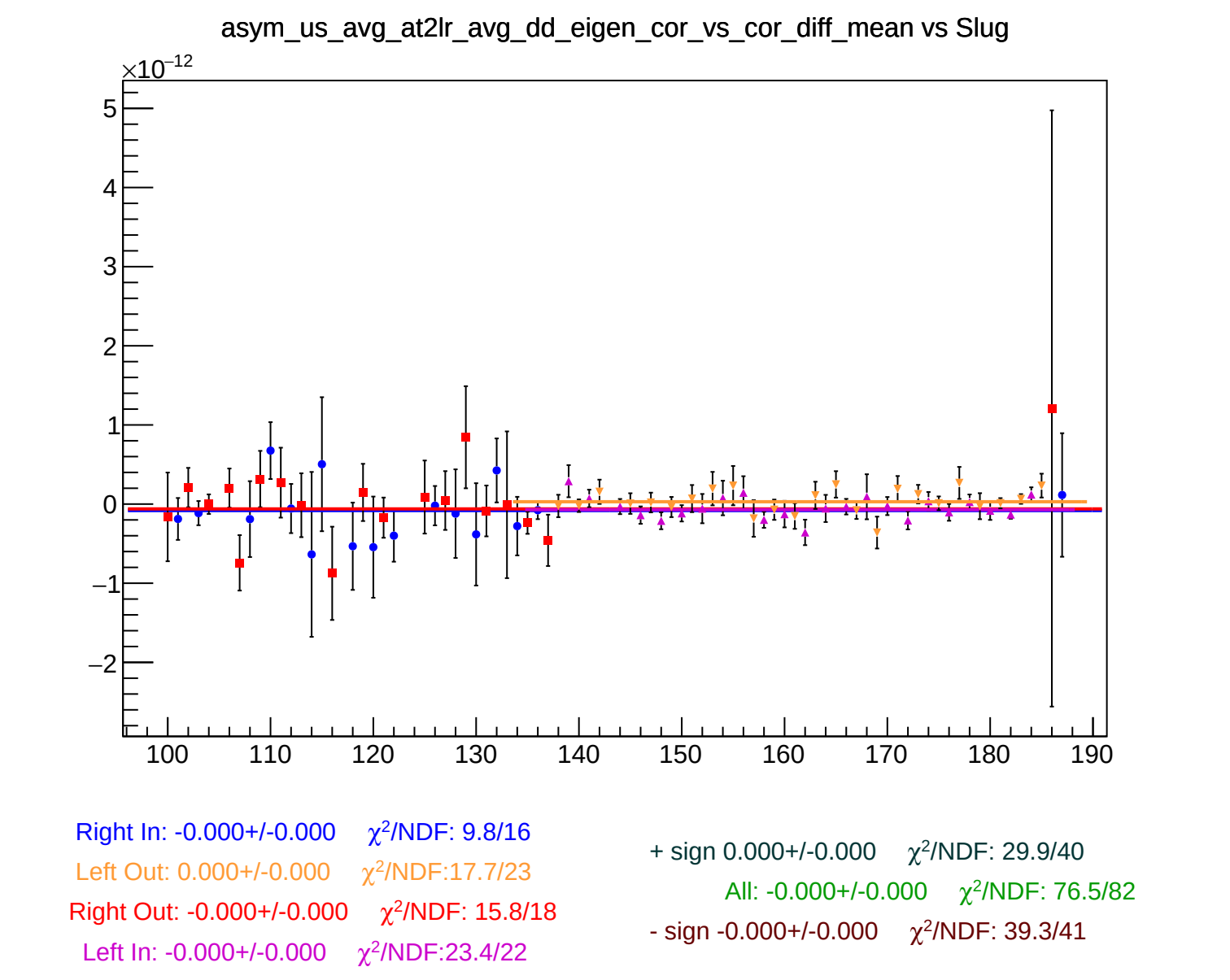
Right Out: 213.746+/-0.063 χ^2/NDF: 2468601.4/18

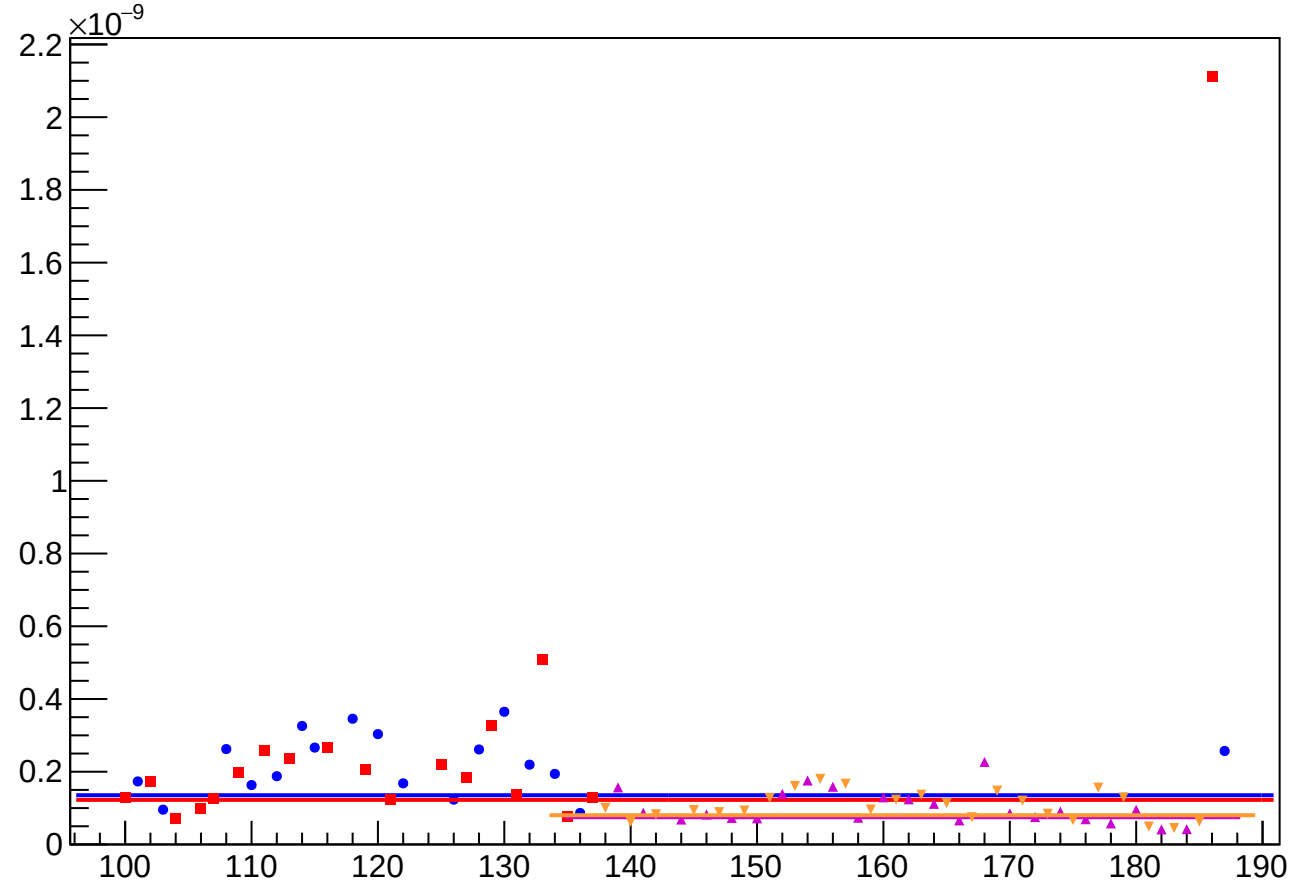
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 367.806+/-0.058 χ^2/NDF: 10364058.1/40

All: 336.843+/-0.039 χ^2/NDF: 24692120.1/82

- sign 311.999+/-0.052 χ^2/NDF: 13816516.3/41


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 9.8/16
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/18
Left In: -0.000+/-0.000 χ²/NDF:23.4/22
+ sign 0.000+/-0.000 χ²/NDF: 29.9/40
All: -0.000+/-0.000 χ²/NDF: 76.5/82
- sign -0.000+/-0.000 χ²/NDF: 39.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 1863922.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2561005.1/18

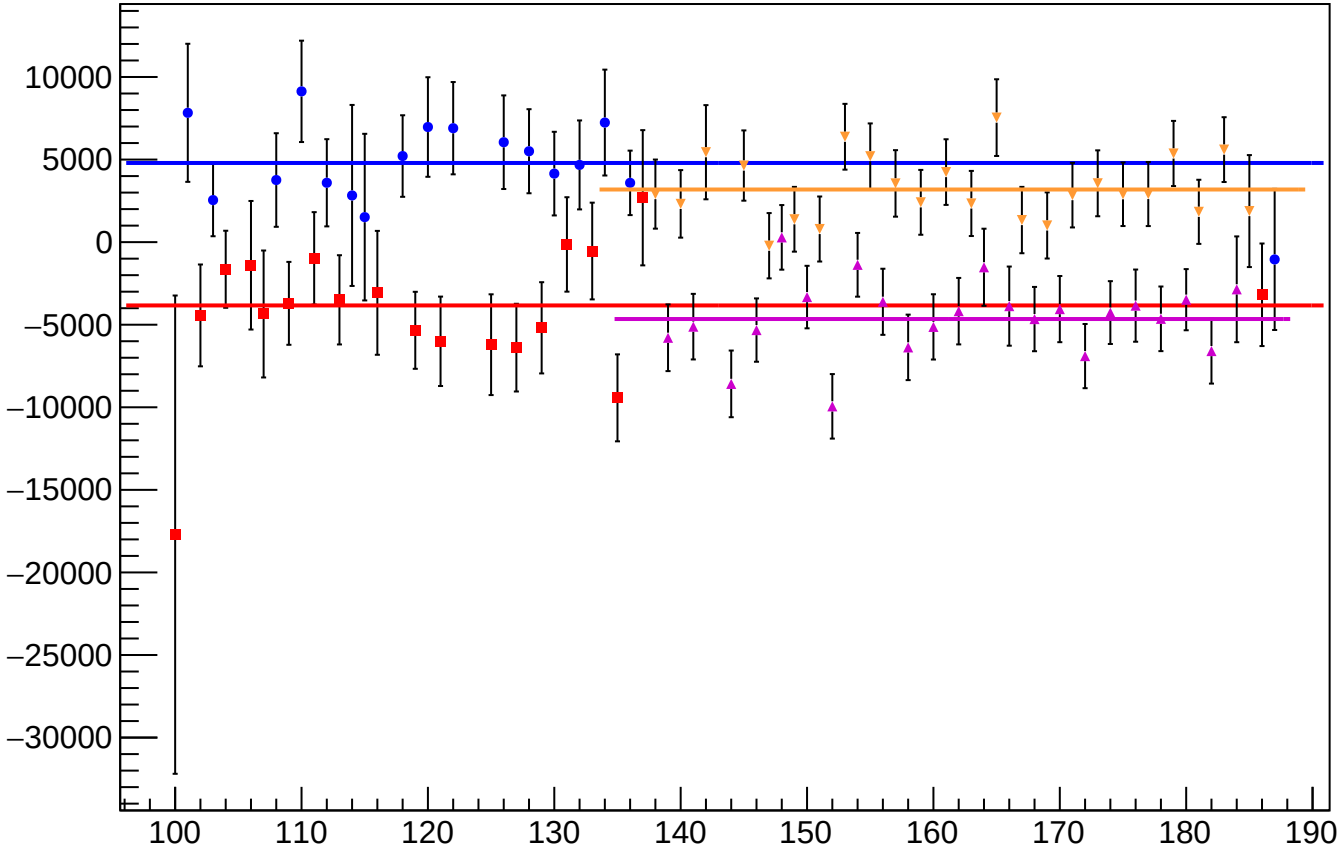
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6733347.4/40

All: 0.000+/-0.000 χ^2/NDF: 14004663.0/82

- sign 0.000+/-0.000 χ^2/NDF: 7195337.1/41

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4793.996+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3832.758+/-678.941 χ^2/NDF: 16.2/18

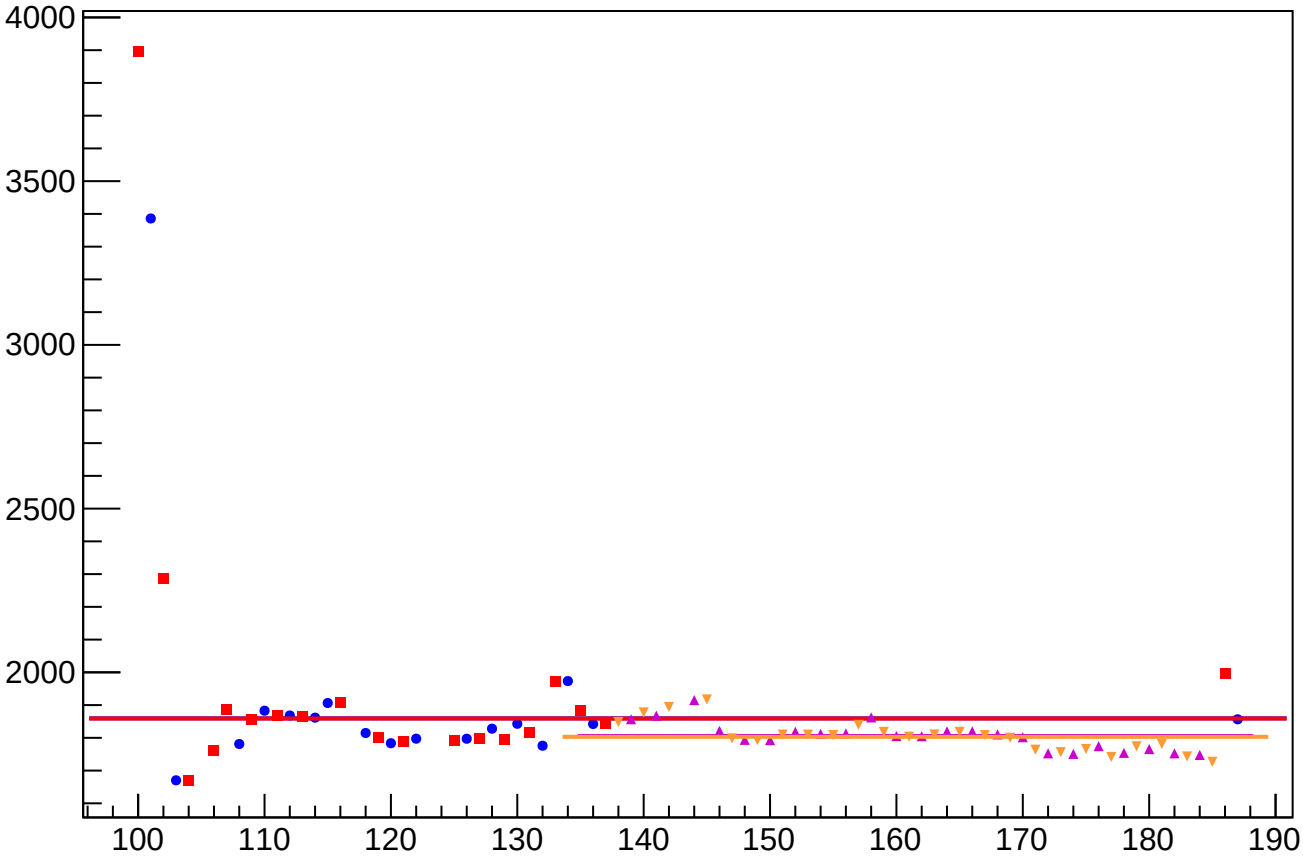
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3619.663+/-357.869 χ^2/NDF: 32.6/40

All: -399.351+/-253.175 χ^2/NDF: 330.1/82

- sign -4426.254+/-358.220 χ^2/NDF: 45.0/41

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.433+/-0.488 χ^2/NDF: 292335.5/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

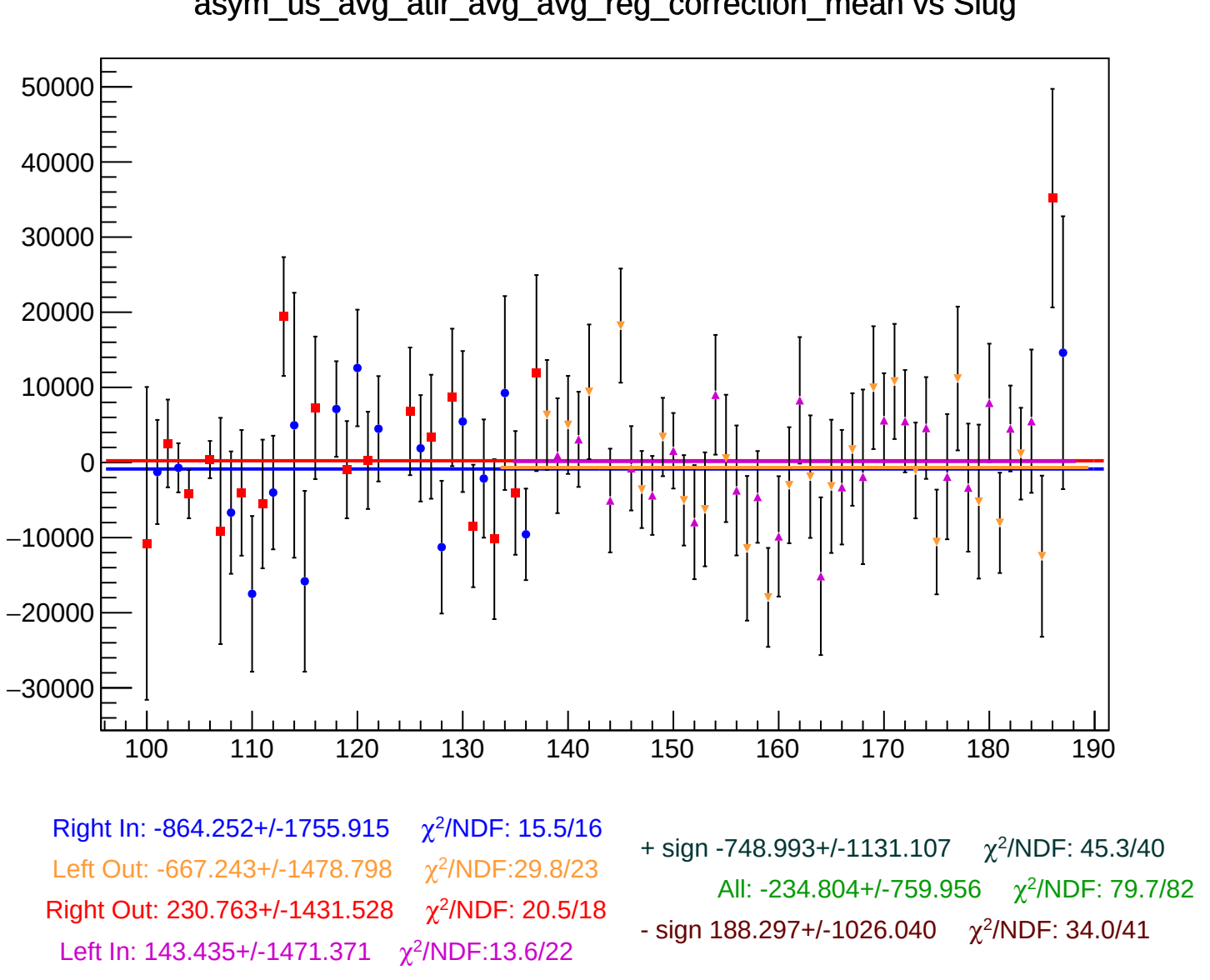
Right Out: 1858.971+/-0.479 χ^2/NDF: 106382.4/18

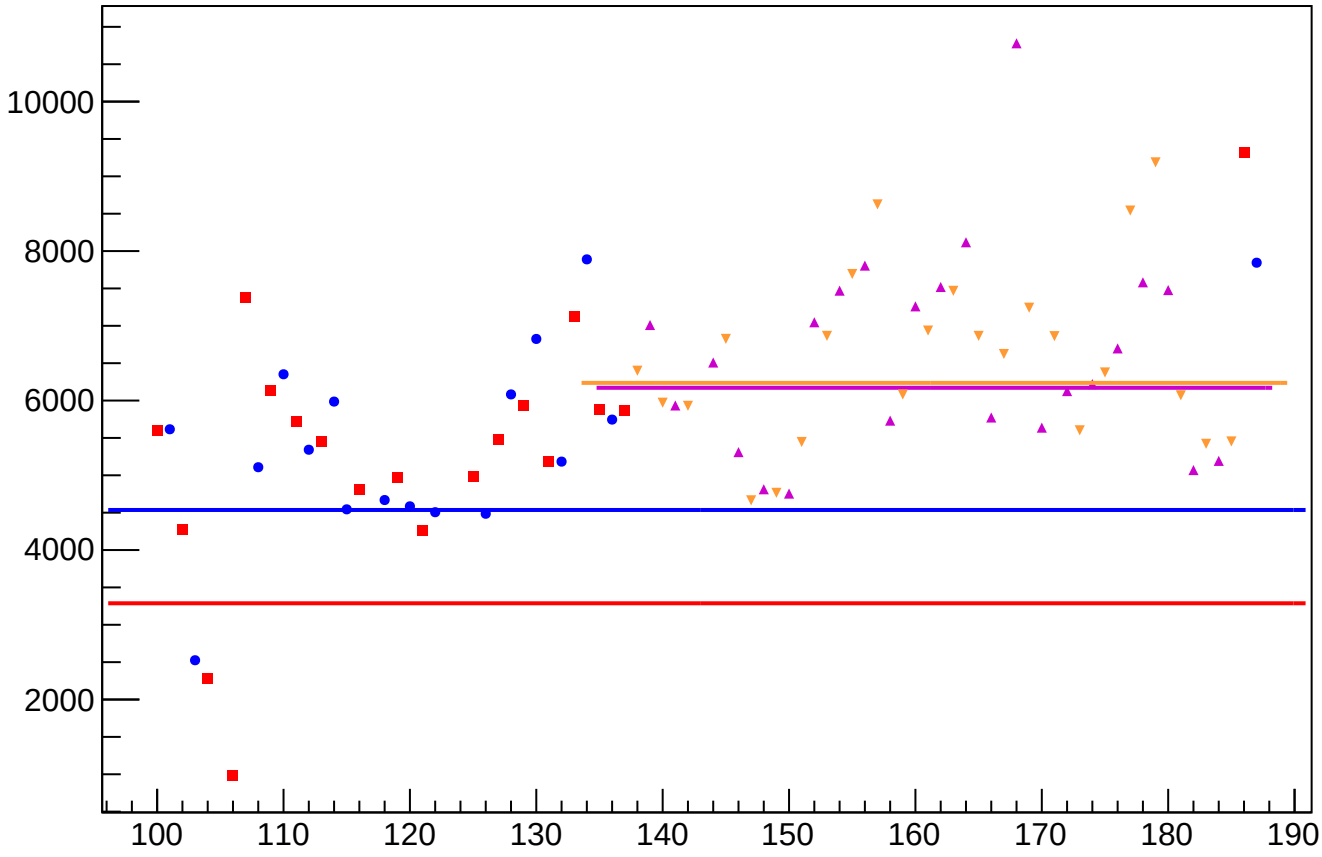
Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1818.274+/-0.253 χ^2/NDF: 322720.6/40

All: 1819.382+/-0.179 χ^2/NDF: 457425.5/82

- sign 1820.490+/-0.253 χ^2/NDF: 134666.6/41


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -864.252+/-1755.915 χ²/NDF: 15.5/16
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: 230.763+/-1431.528 χ²/NDF: 20.5/18
Left In: 143.435+/-1471.371 χ²/NDF:13.6/22
+ sign -748.993+/-1131.107 χ²/NDF: 45.3/40
All: -234.804+/-759.956 χ²/NDF: 79.7/82
- sign 188.297+/-1026.040 χ²/NDF: 34.0/41



Right In: 4536.008+/-1.242 χ^2/NDF: 1388104.4/16

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3287.615+/-1.012 χ^2/NDF: 4303711.6/18

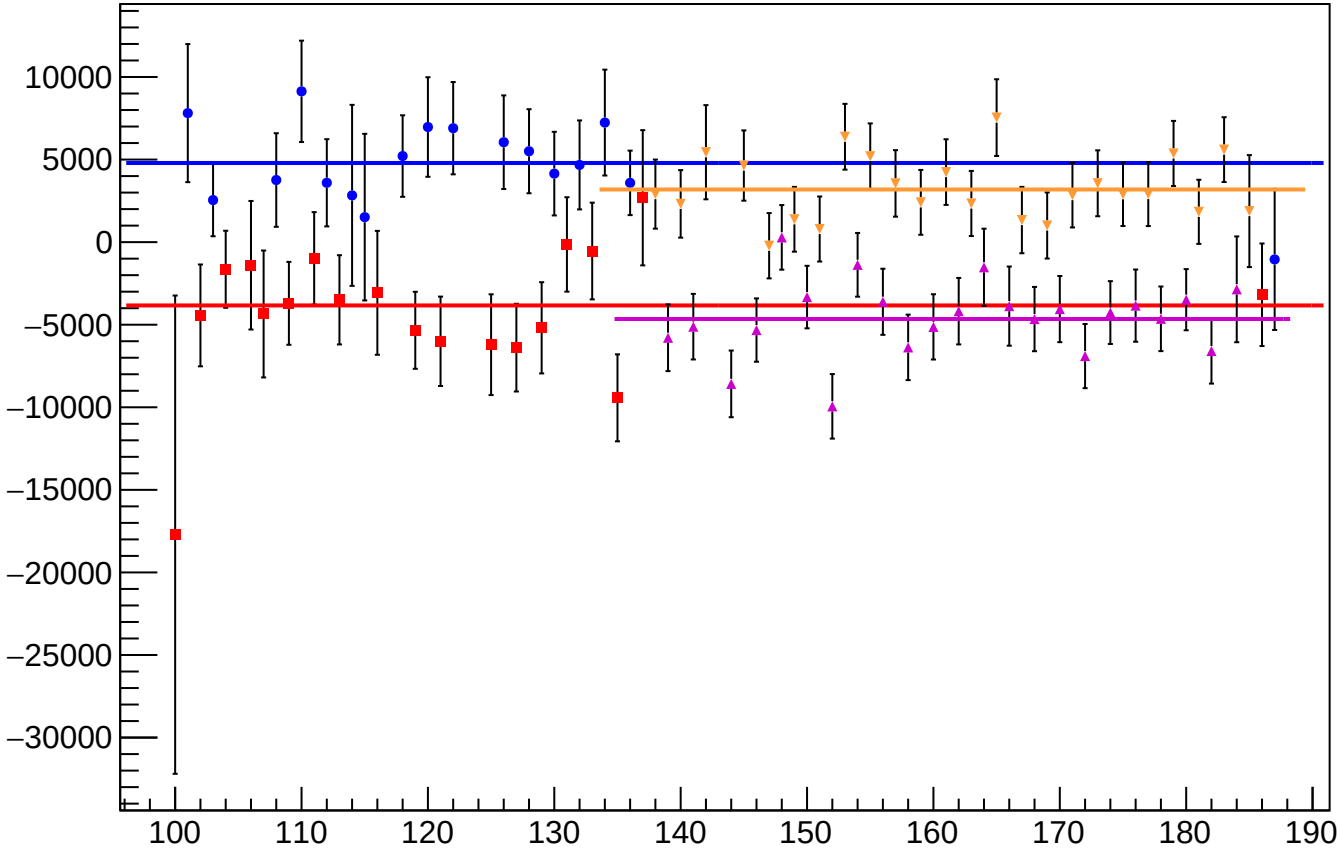
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5530.953+/-0.800 χ^2/NDF: 3553331.9/40

All: 5069.415+/-0.537 χ^2/NDF: 13646685.1/8

- sign 4689.638+/-0.726 χ^2/NDF: 9486354.4/41

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4793.534+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3832.544+/-678.941 χ^2/NDF: 16.2/18

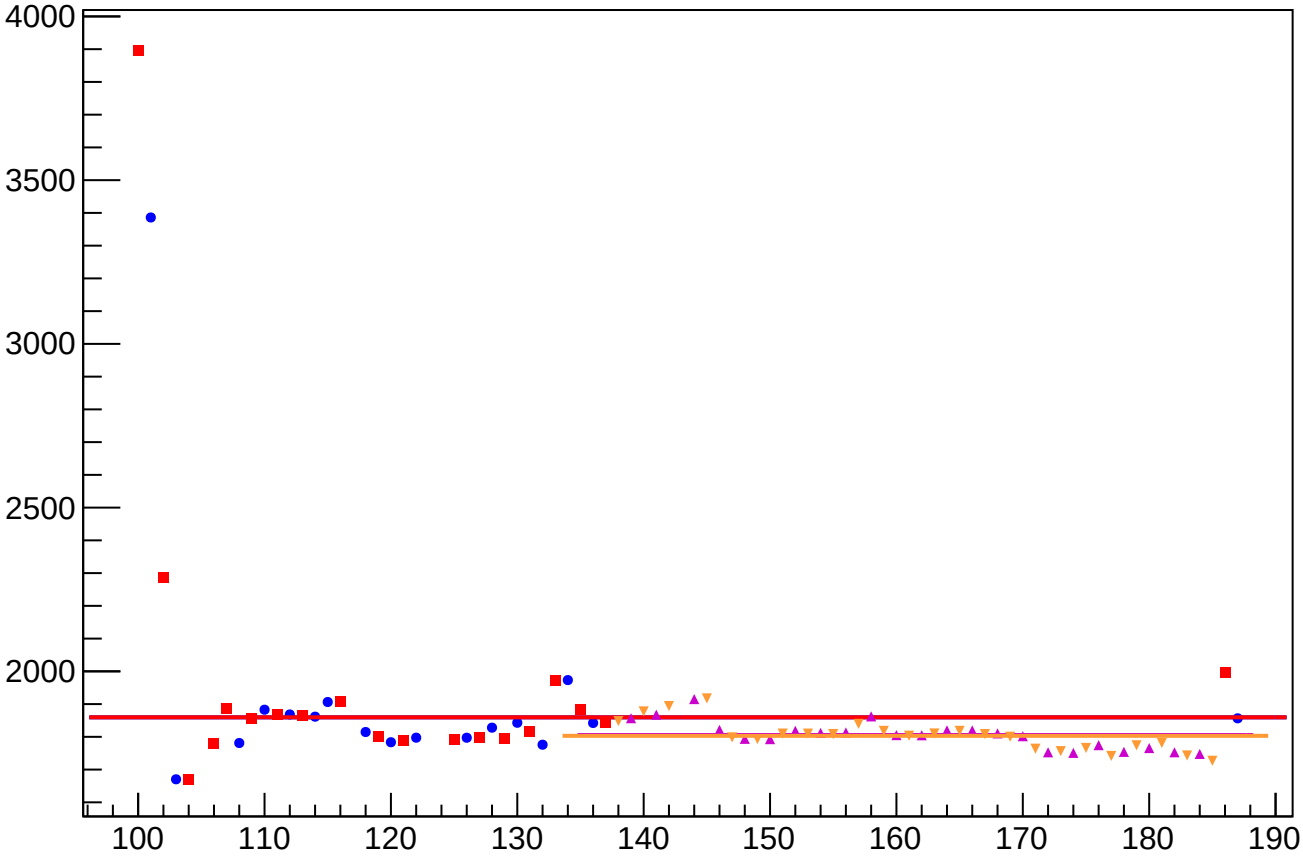
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3619.488+/-357.869 χ^2/NDF: 32.6/40

All: -399.415+/-253.175 χ^2/NDF: 330.0/82

- sign -4426.208+/-358.220 χ^2/NDF: 45.0/41

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.433+/-0.488 χ^2/NDF: 292337.4/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

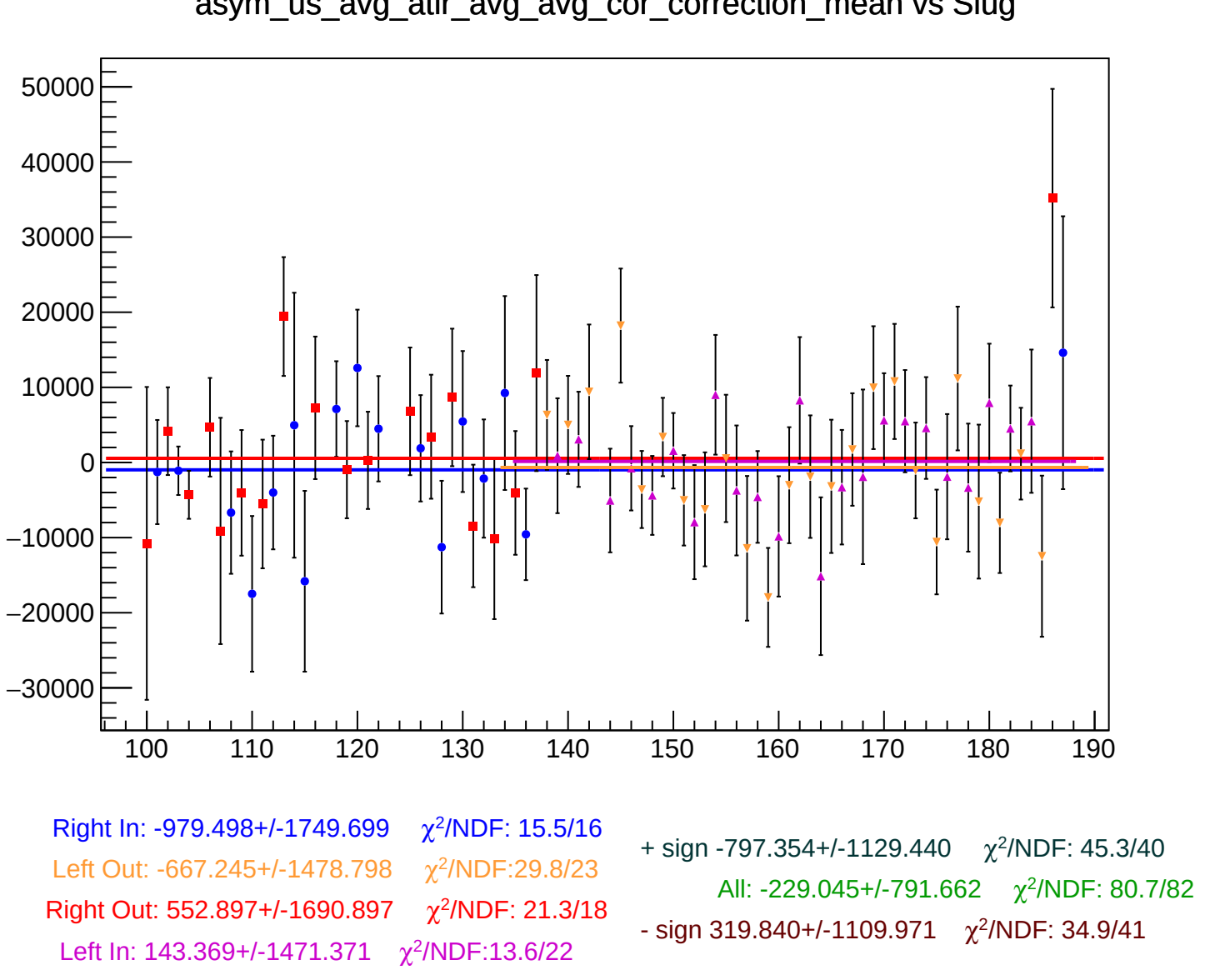
Right Out: 1859.647+/-0.479 χ^2/NDF: 105879.8/18

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

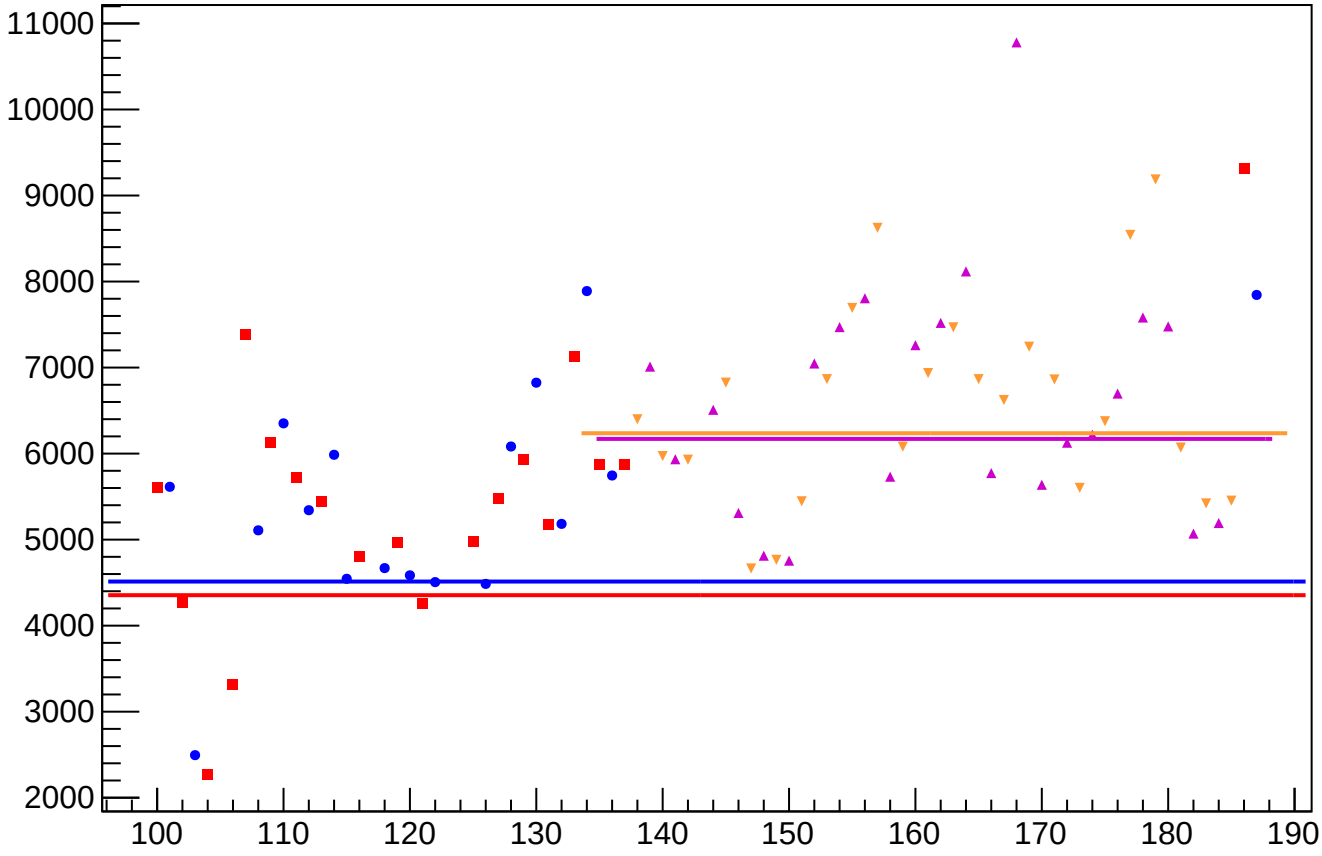
+ sign 1818.274+/-0.253 χ^2/NDF: 322722.4/40

All: 1819.473+/-0.179 χ^2/NDF: 457155.8/82

- sign 1820.672+/-0.253 χ^2/NDF: 134388.6/41


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -979.498+/-1749.699 χ²/NDF: 15.5/16
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 552.897+/-1690.897 χ²/NDF: 21.3/18
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -797.354+/-1129.440 χ²/NDF: 45.3/40
All: -229.045+/-791.662 χ²/NDF: 80.7/82
- sign 319.840+/-1109.971 χ²/NDF: 34.9/41

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 4512.733+/-1.237 χ^2/NDF: 1430197.0/16

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

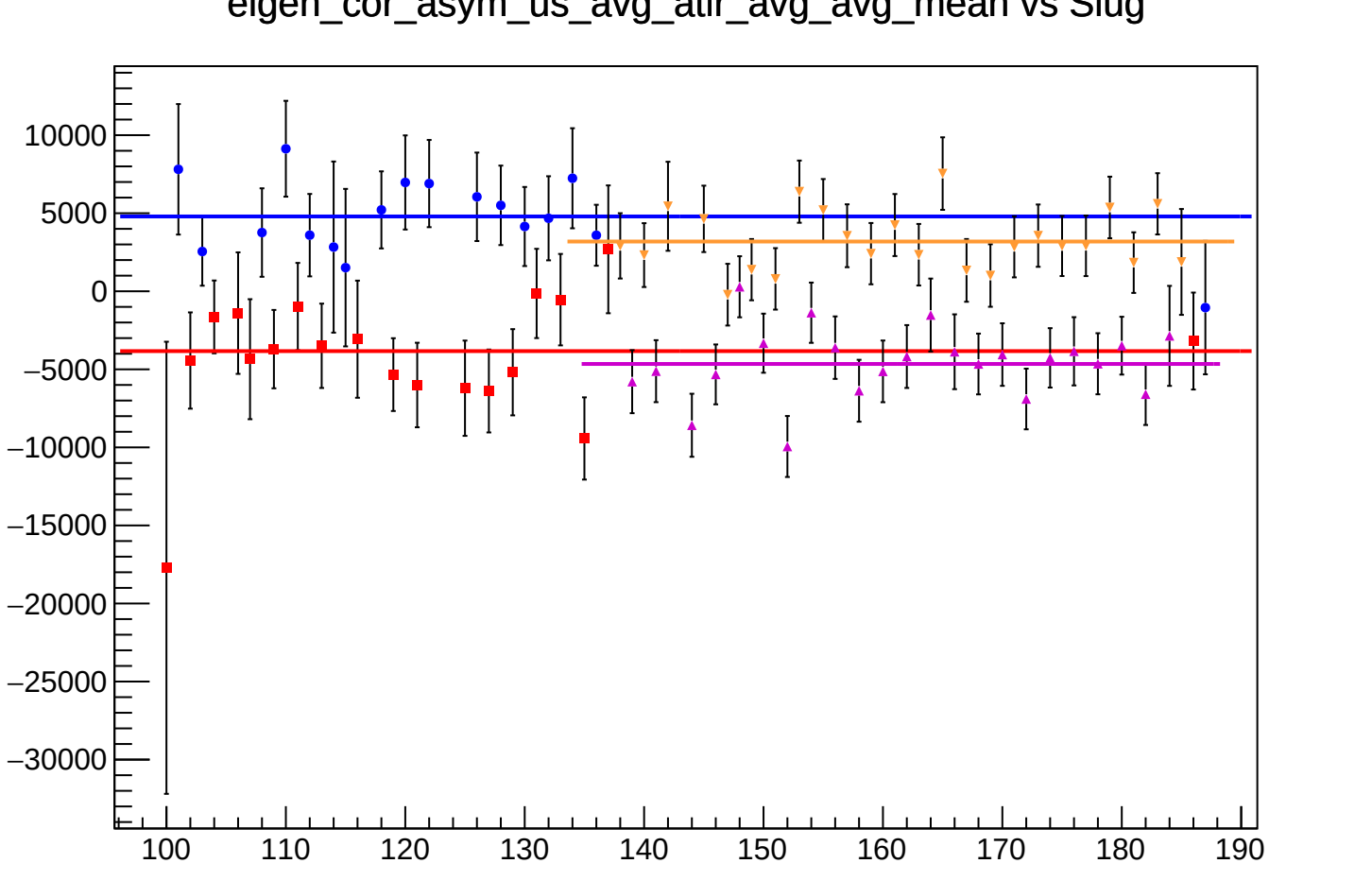
Right Out: 4354.158+/-1.196 χ^2/NDF: 1786097.2/18

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5518.324+/-0.799 χ^2/NDF: 3630359.9/40

All: 5452.019+/-0.560 χ^2/NDF: 7981308.4/82

- sign 5387.980+/-0.785 χ^2/NDF: 4337398.4/41



Right In: 4793.534+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3832.544+/-678.941 χ^2/NDF: 16.2/18

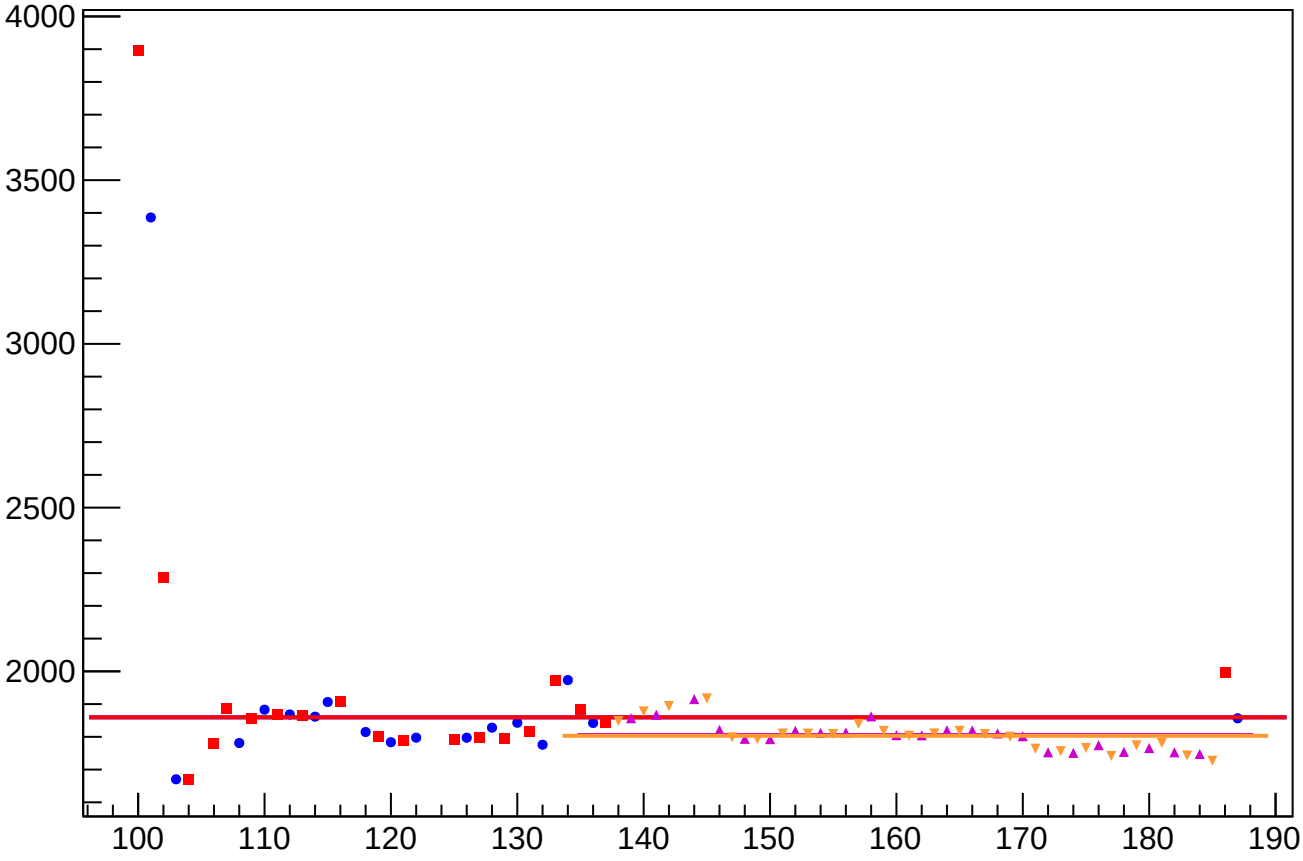
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3619.488+/-357.869 χ^2/NDF: 32.6/40

All: -399.415+/-253.175 χ^2/NDF: 330.0/82

- sign -4426.208+/-358.220 χ^2/NDF: 45.0/41

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.433+/-0.488 χ^2/NDF: 292337.4/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

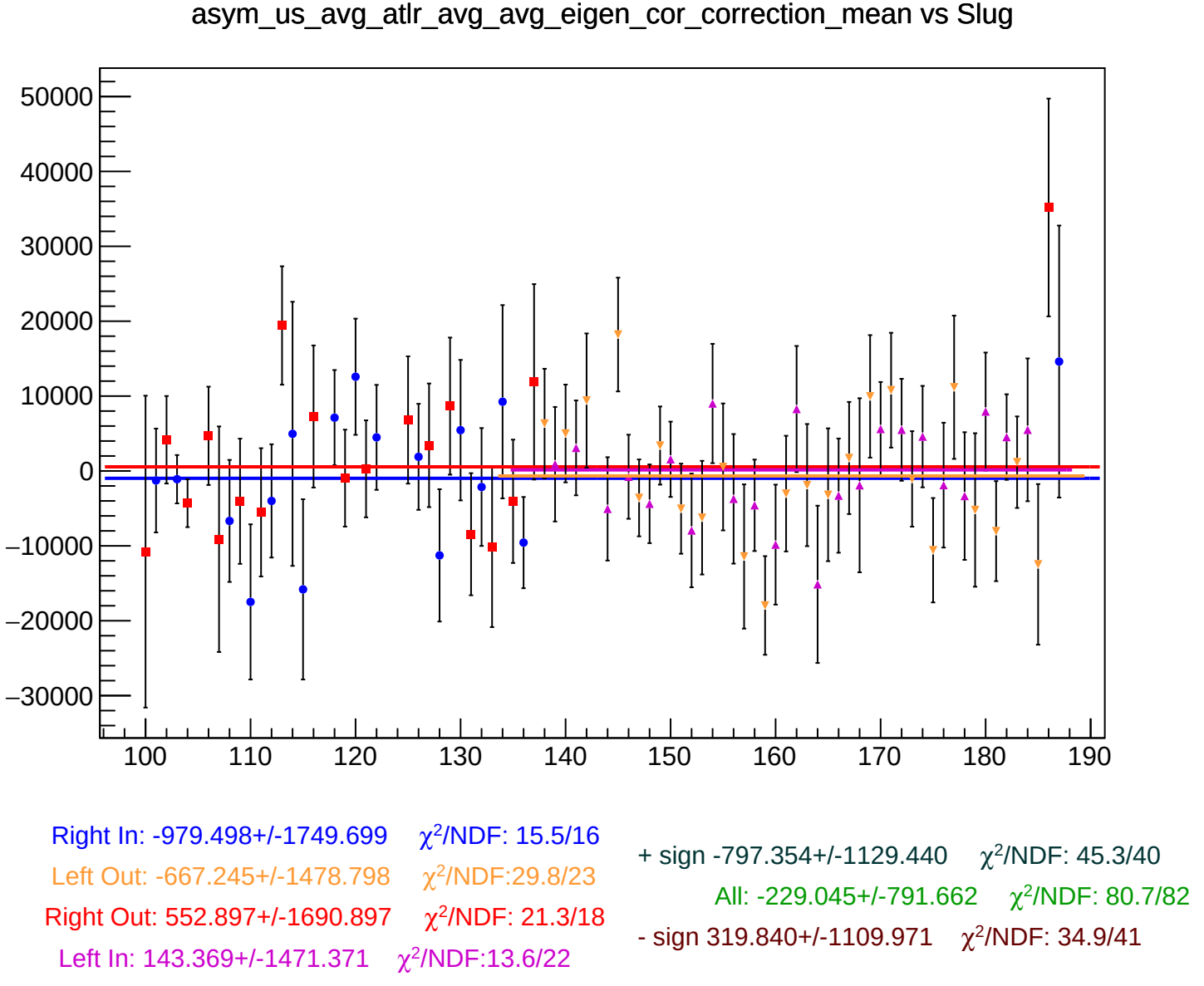
Right Out: 1859.647+/-0.479 χ^2/NDF: 105879.8/18

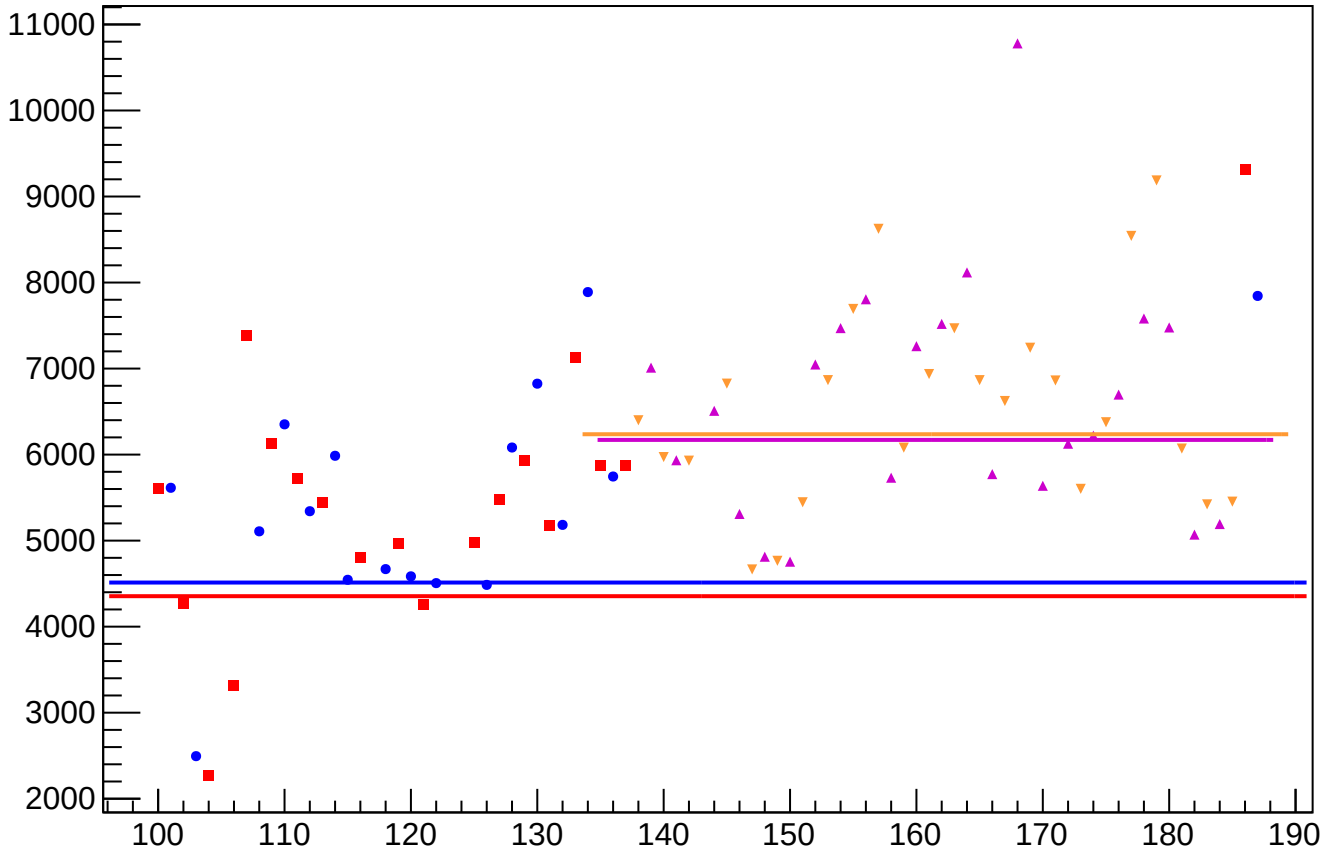
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1818.274+/-0.253 χ^2/NDF: 322722.4/40

All: 1819.473+/-0.179 χ^2/NDF: 457155.8/82

- sign 1820.672+/-0.253 χ^2/NDF: 134388.6/41


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -979.498+/-1749.699 χ²/NDF: 15.5/16
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 552.897+/-1690.897 χ²/NDF: 21.3/18
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -797.354+/-1129.440 χ²/NDF: 45.3/40
All: -229.045+/-791.662 χ²/NDF: 80.7/82
- sign 319.840+/-1109.971 χ²/NDF: 34.9/41



Right In: 4512.733+/-1.237 χ^2/NDF: 1430197.0/16

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4354.158+/-1.196 χ^2/NDF: 1786097.2/18

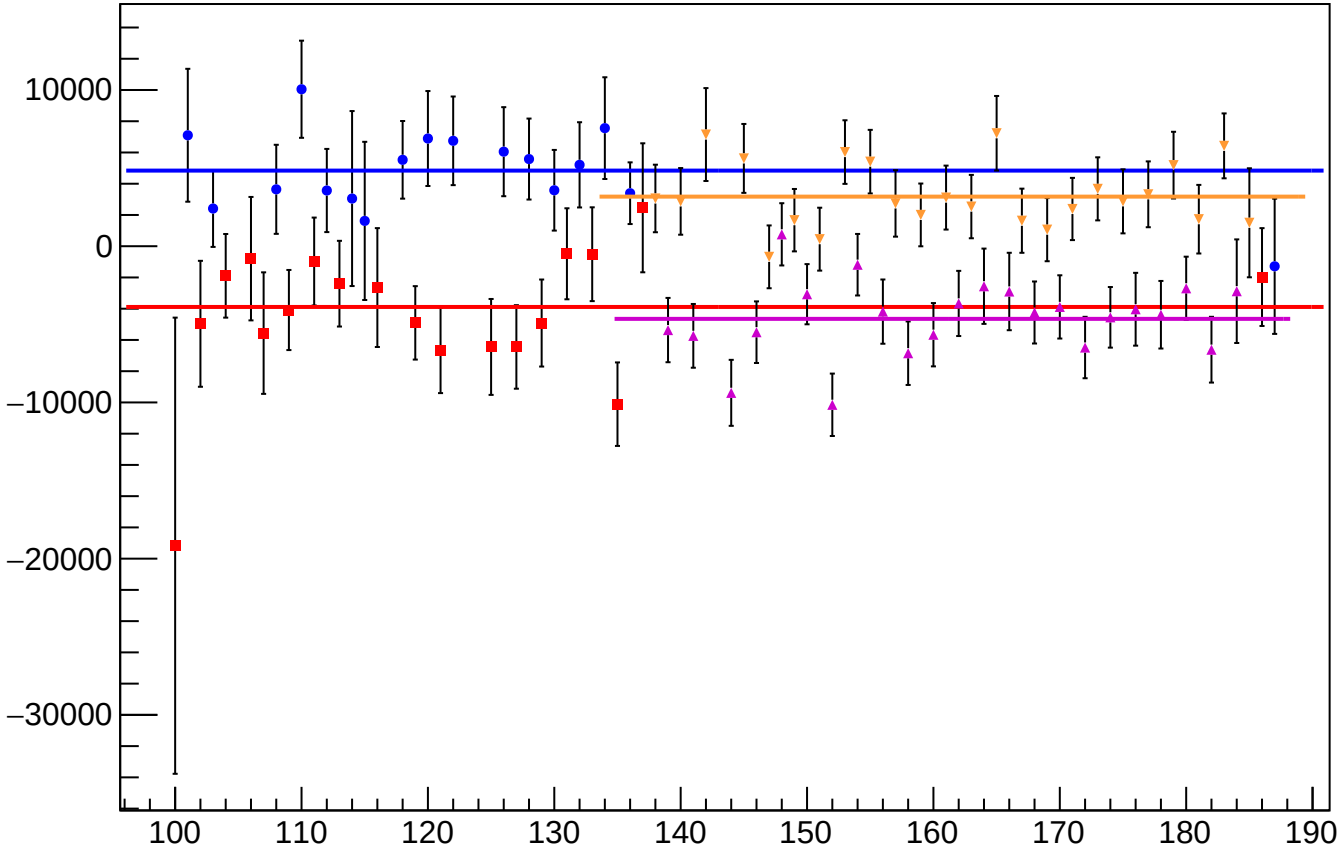
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5518.324+/-0.799 χ^2/NDF: 3630359.9/40

All: 5452.019+/-0.560 χ^2/NDF: 7981308.4/82

- sign 5387.980+/-0.785 χ^2/NDF: 4337398.4/41

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4840.582+/-704.537 χ^2/NDF: 9.7/16

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3888.301+/-700.790 χ^2/NDF: 17.8/18

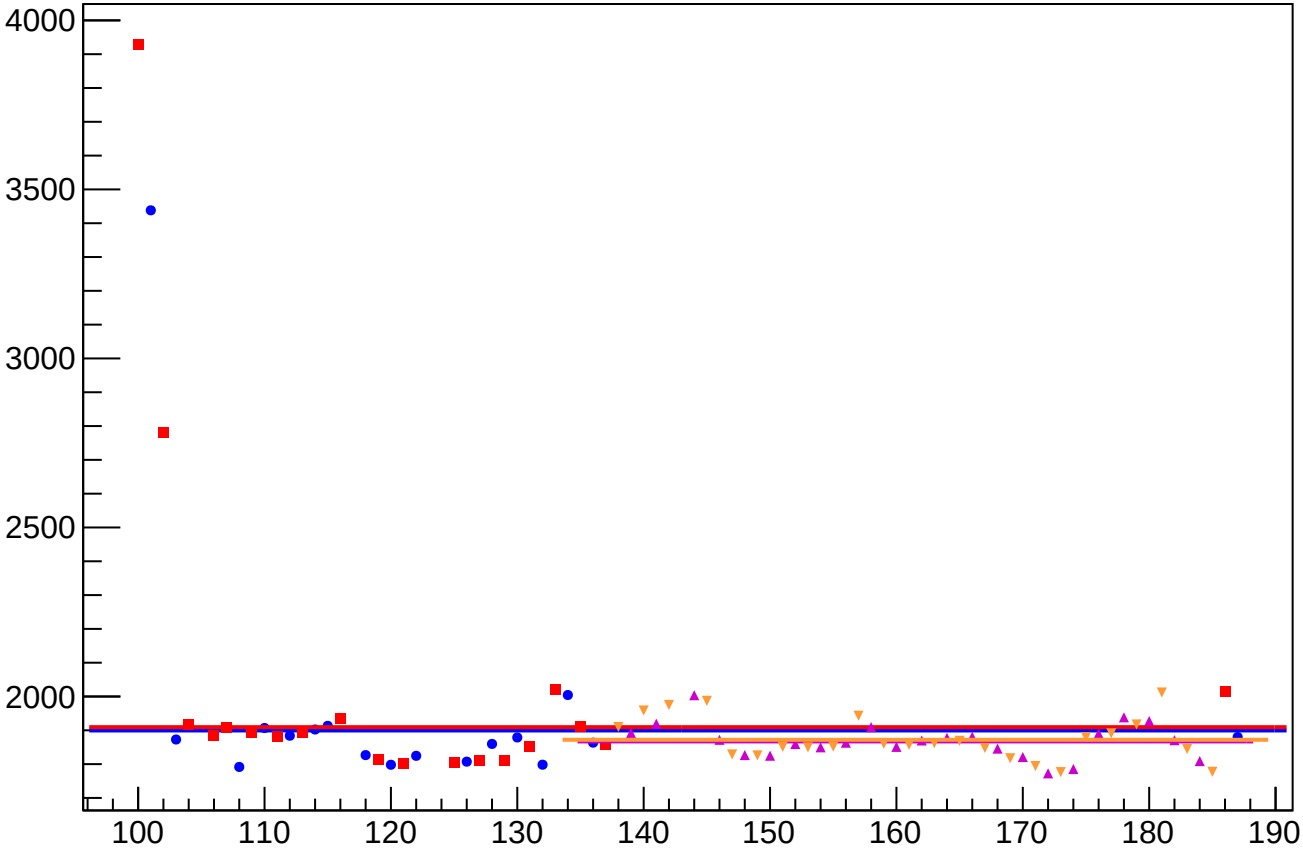
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3634.092+/-370.020 χ^2/NDF: 35.3/40

All: -398.485+/-261.750 χ^2/NDF: 322.2/82

- sign -4437.634+/-370.321 χ^2/NDF: 49.2/41

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1899.580+/-0.498 χ^2/NDF: 278490.1/16

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

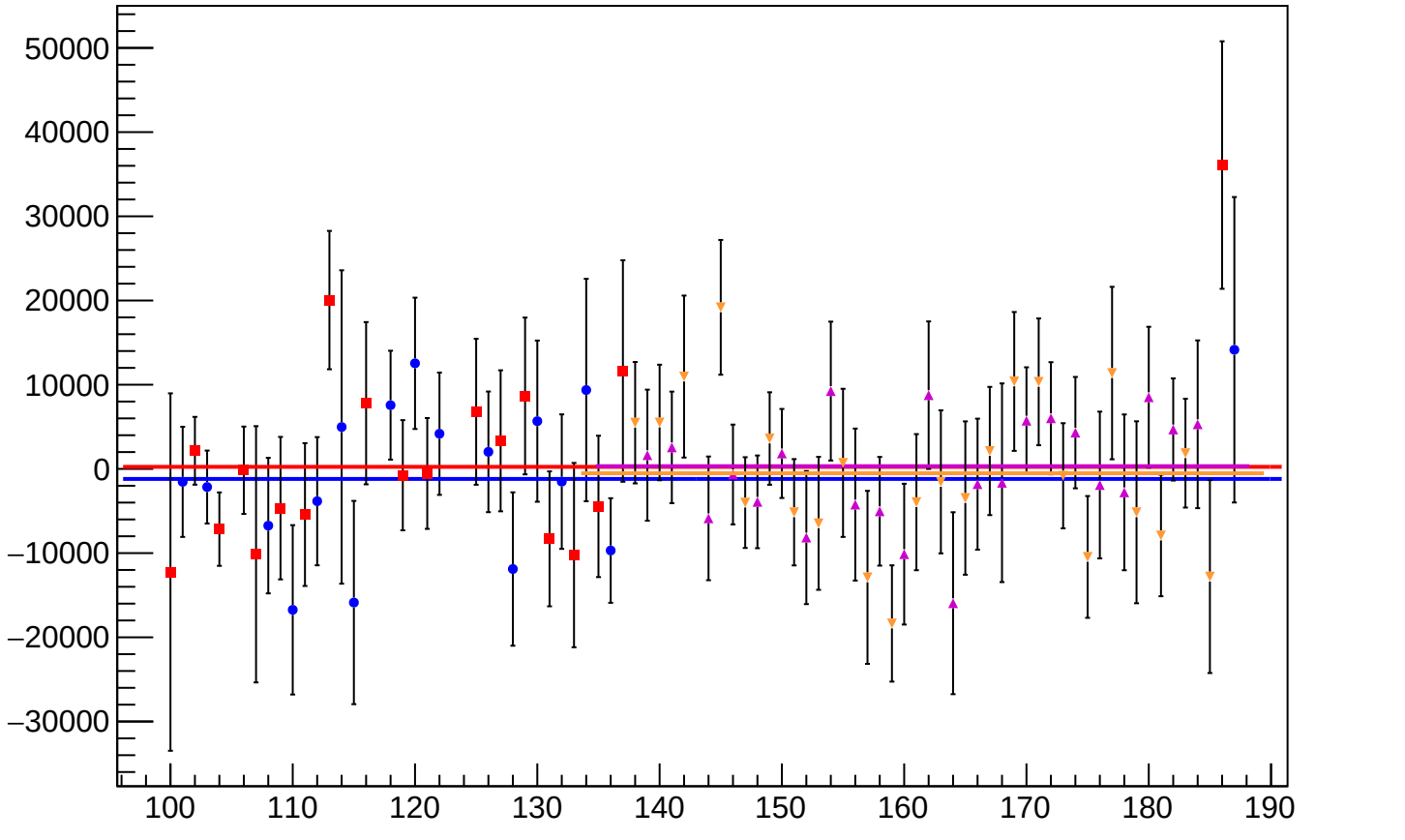
Right Out: 1909.359+/-0.495 χ^2/NDF: 152489.5/18

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1879.592+/-0.262 χ^2/NDF: 317867.6/40

All: 1879.248+/-0.185 χ^2/NDF: 502862.0/82

- sign 1878.903+/-0.262 χ^2/NDF: 184990.9/41



Right In: -1189.030+/-1885.717 χ^2/NDF: 15.4/16

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

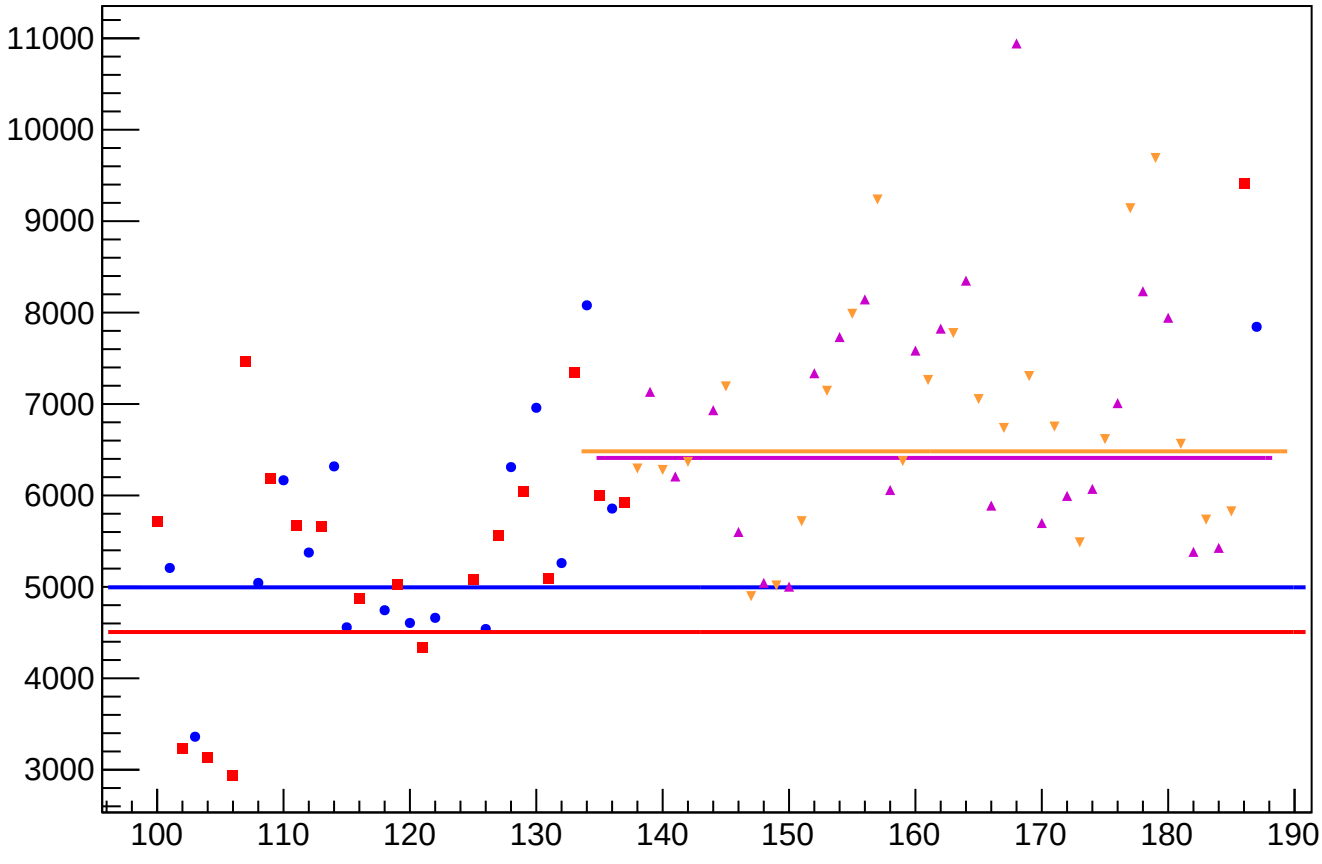
Right Out: 245.546+/-1701.170 χ^2/NDF: 21.8/18

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -787.165+/-1191.284 χ^2/NDF: 44.7/40

All: -223.730+/-822.413 χ^2/NDF: 80.3/82

- sign 289.314+/-1136.765 χ^2/NDF: 35.2/41



Right In: 4995.130+/-1.333 χ^2/NDF: 677270.7/16

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

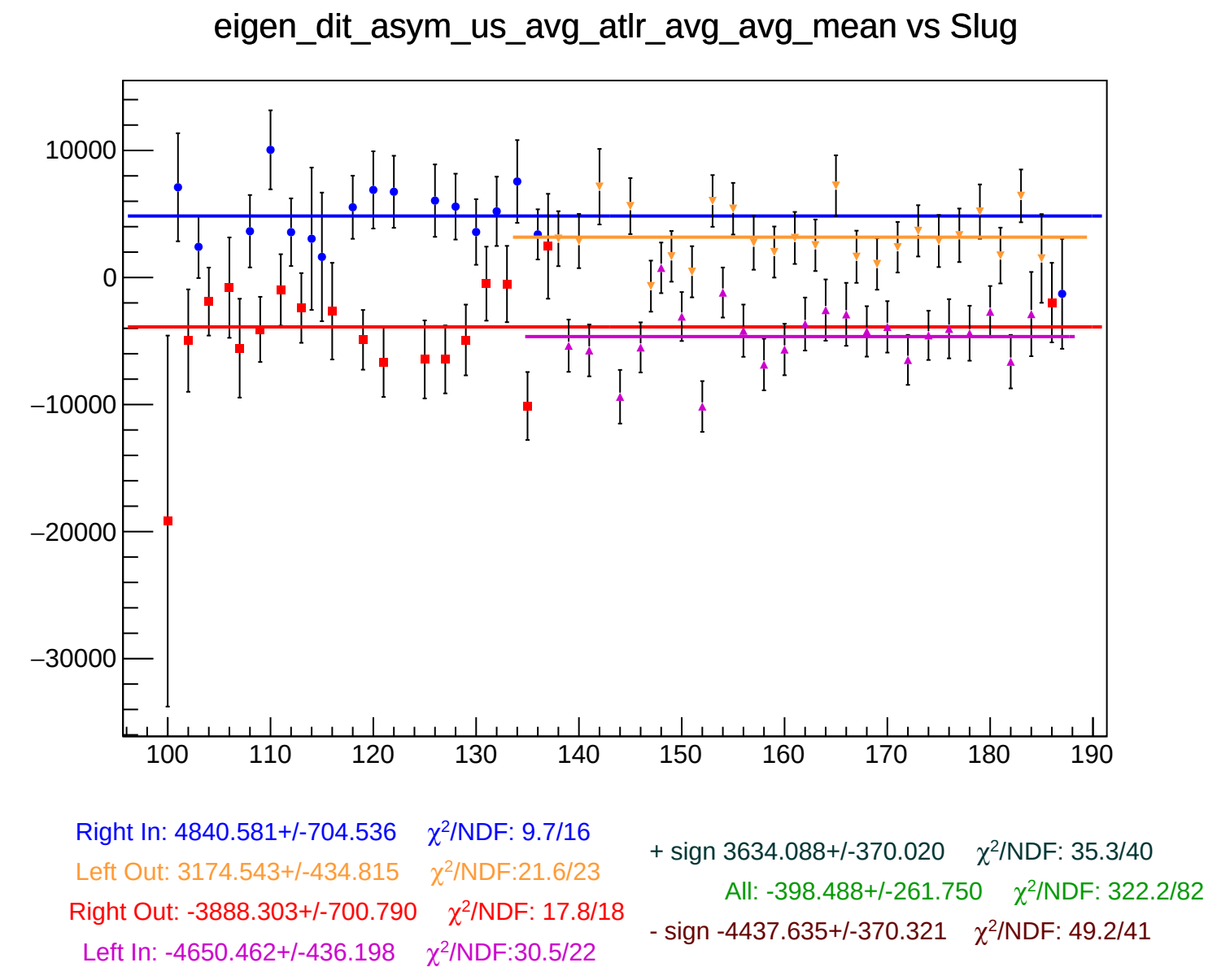
Right Out: 4506.291+/-1.203 χ^2/NDF: 1384373.8/18

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

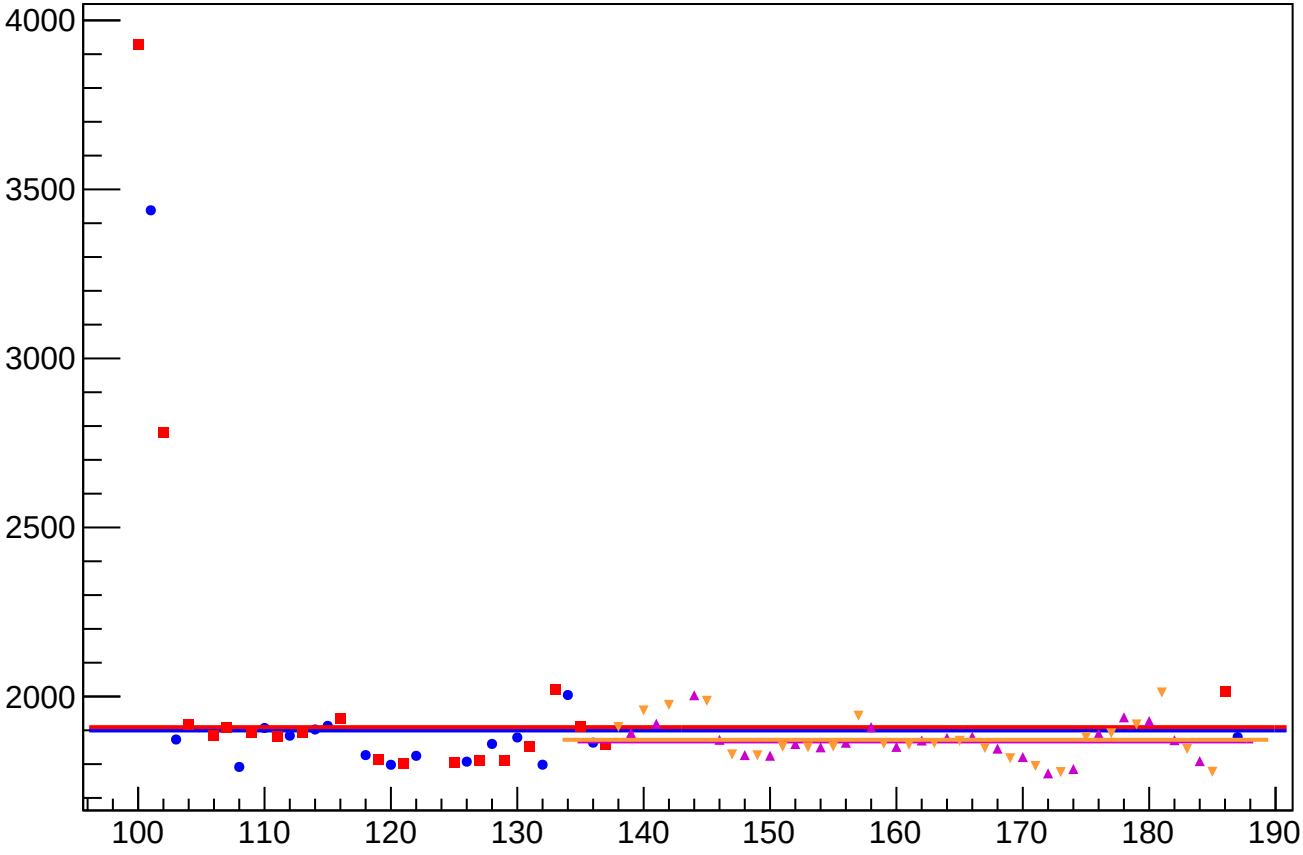
+ sign 5889.034+/-0.842 χ^2/NDF: 2499773.6/40

All: 5716.909+/-0.582 χ^2/NDF: 6570582.7/82

- sign 5560.178+/-0.804 χ^2/NDF: 3991037.0/41


eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 4840.581+/-704.536 χ²/NDF: 9.7/16
Left Out: 3174.543+/-434.815 χ²/NDF:21.6/23
Right Out: -3888.303+/-700.790 χ²/NDF: 17.8/18
Left In: -4650.462+/-436.198 χ²/NDF:30.5/22
+ sign 3634.088+/-370.020 χ²/NDF: 35.3/40
All: -398.488+/-261.750 χ²/NDF: 322.2/82
- sign -4437.635+/-370.321 χ²/NDF: 49.2/41

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1899.579+/-0.498 χ^2/NDF: 278490.3/16

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

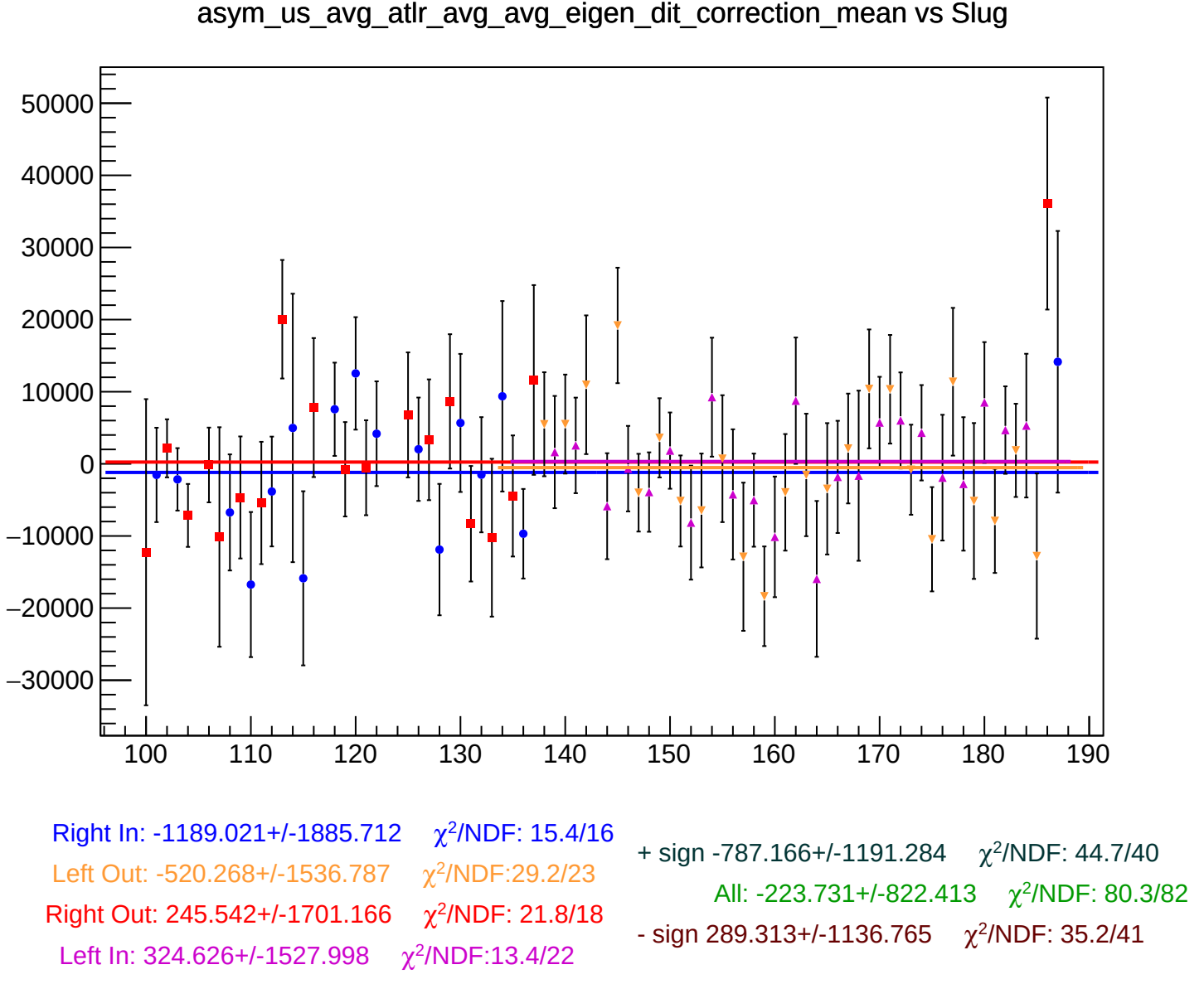
Right Out: 1909.358+/-0.495 χ^2/NDF: 152488.8/18

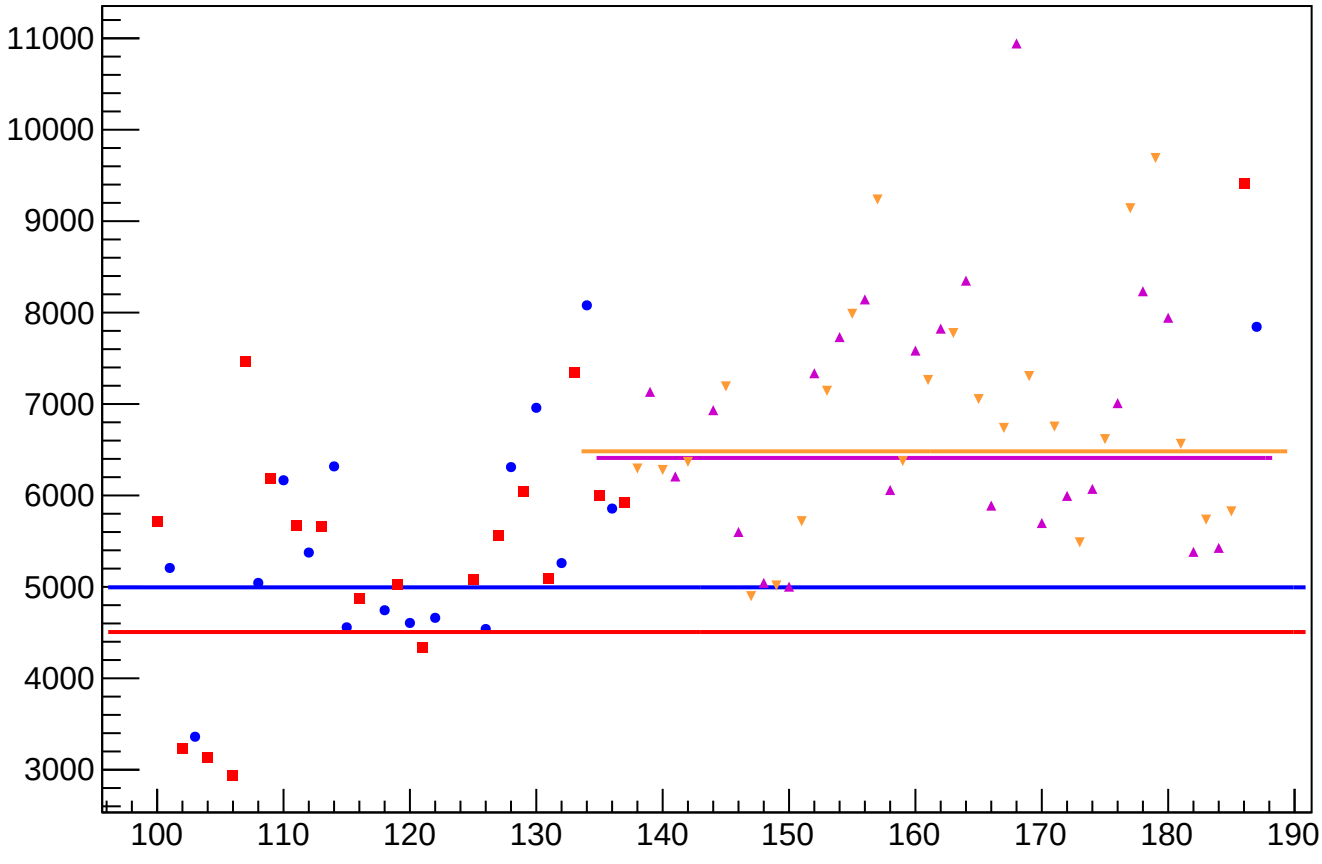
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1879.593+/-0.262 χ^2/NDF: 317868.6/40

All: 1879.249+/-0.185 χ^2/NDF: 502862.9/82

- sign 1878.903+/-0.262 χ^2/NDF: 184990.8/41


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1189.021+/-1885.712 χ²/NDF: 15.4/16
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 245.542+/-1701.166 χ²/NDF: 21.8/18
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -787.166+/-1191.284 χ²/NDF: 44.7/40
All: -223.731+/-822.413 χ²/NDF: 80.3/82
- sign 289.313+/-1136.765 χ²/NDF: 35.2/41



Right In: 4995.117+/-1.333 χ^2/NDF: 677273.9/16

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4506.280+/-1.203 χ^2/NDF: 1384374.3/18

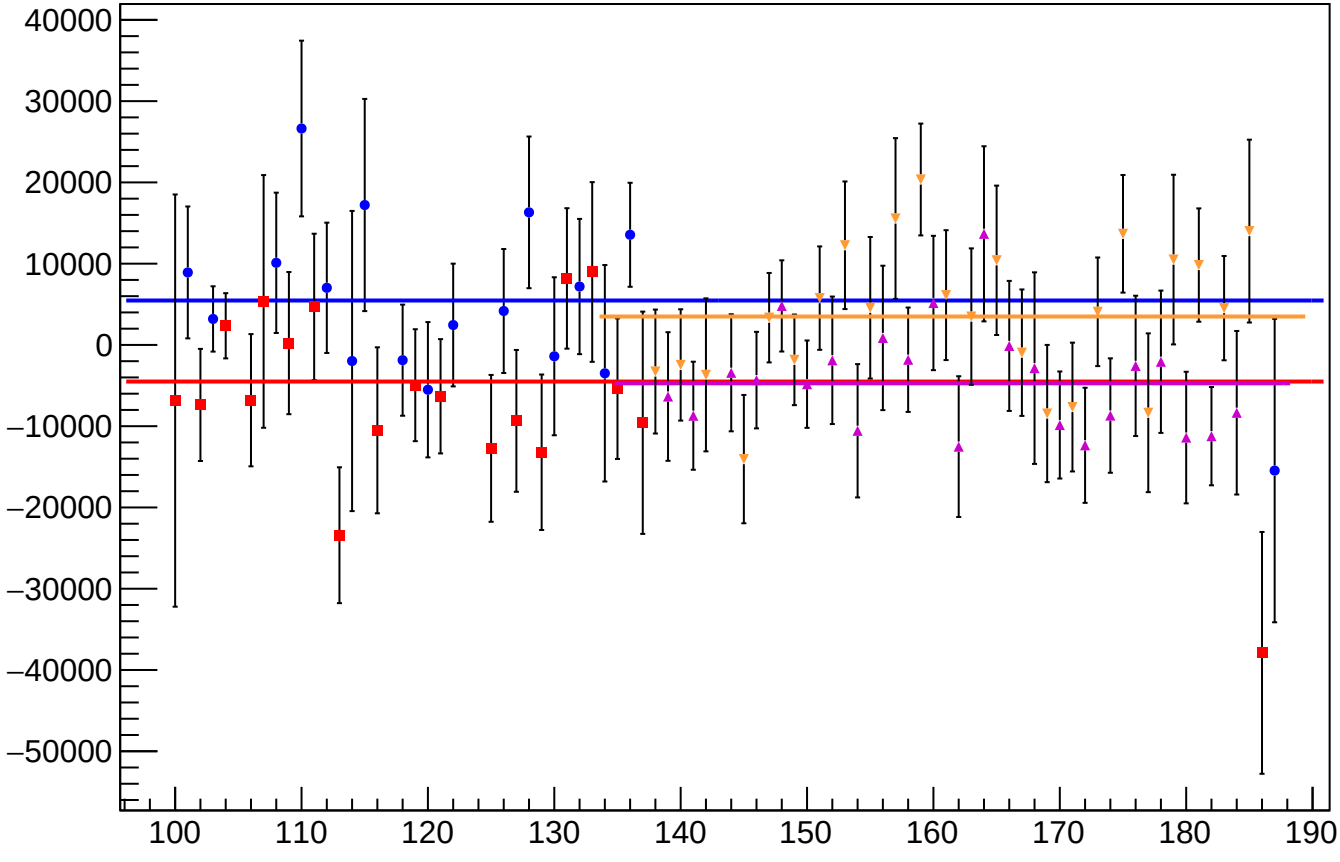
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 5889.033+/-0.842 χ^2/NDF: 2499804.3/40

All: 5716.906+/-0.582 χ^2/NDF: 6570651.2/82

- sign 5560.174+/-0.804 χ^2/NDF: 3991074.1/41

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5466.782+/-1948.516 χ^2/NDF: 13.9/16

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -4505.578+/-1904.783 χ^2/NDF: 21.2/18

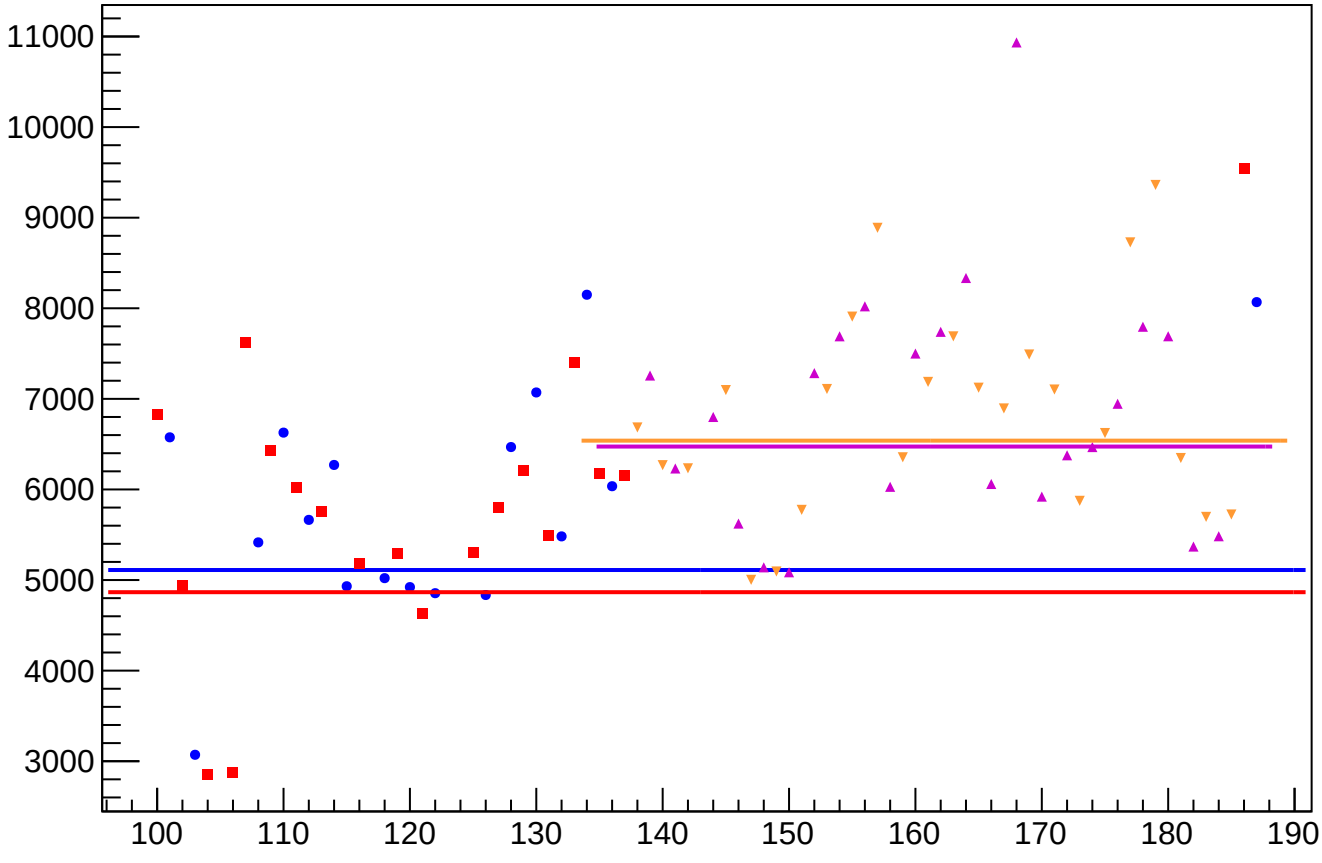
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4257.974+/-1211.021 χ^2/NDF: 42.0/40

All: -239.650+/-851.383 χ^2/NDF: 104.8/82

- sign -4635.016+/-1197.175 χ^2/NDF: 35.5/41

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5110.718+/-1.378 χ^2/NDF: 969935.1/16

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

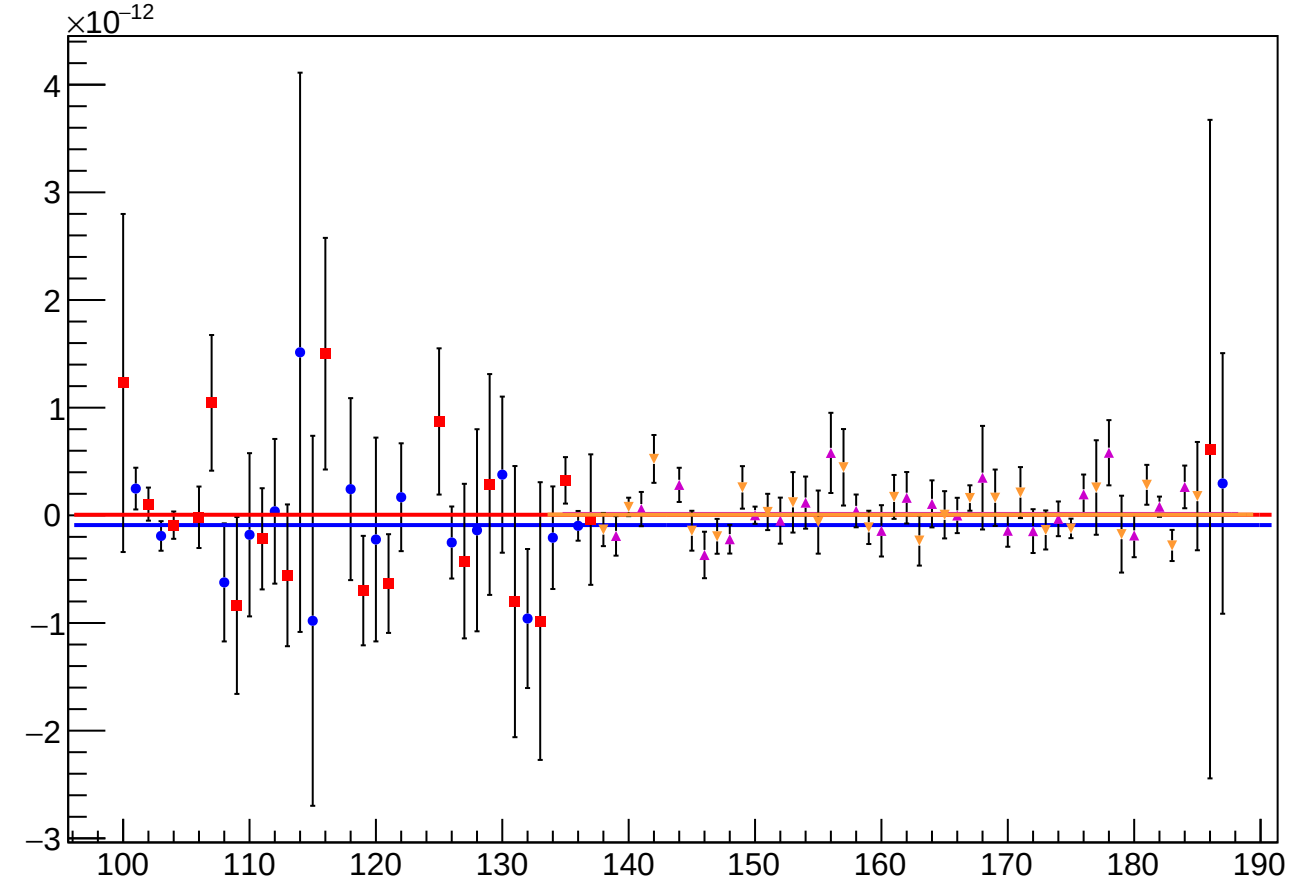
Right Out: 4865.885+/-1.320 χ^2/NDF: 1362802.4/18

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

\+ sign 5987.101+/-0.856 χ^2/NDF: 2549804.1/40

All: 5903.449+/-0.600 χ^2/NDF: 5885894.0/82

\- sign 5822.996+/-0.840 χ^2/NDF: 3317368.9/41



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

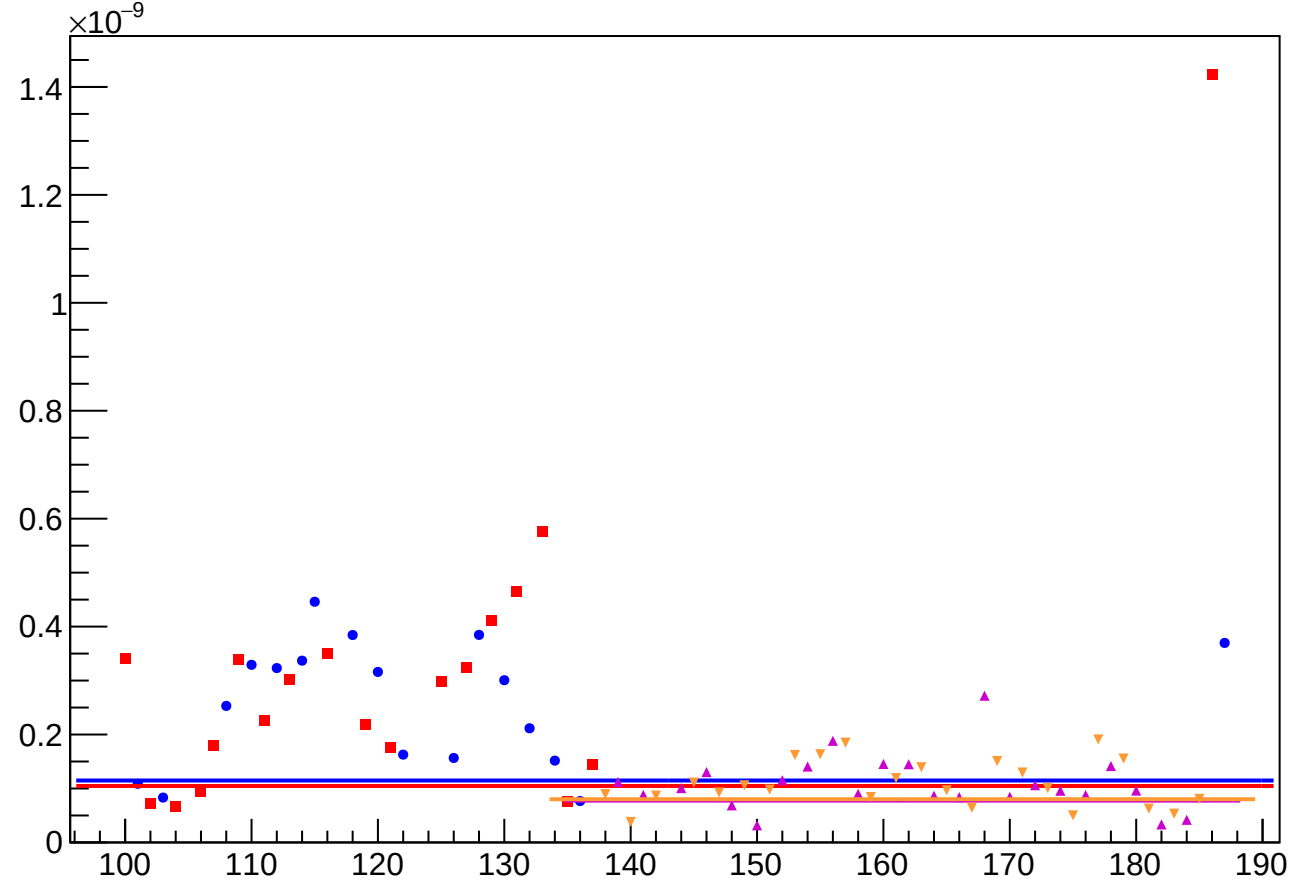
Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/18

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.8/40

All: 0.000+/-0.000 χ^2/NDF: 78.4/82

- sign 0.000+/-0.000 χ^2/NDF: 41.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 1613915.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

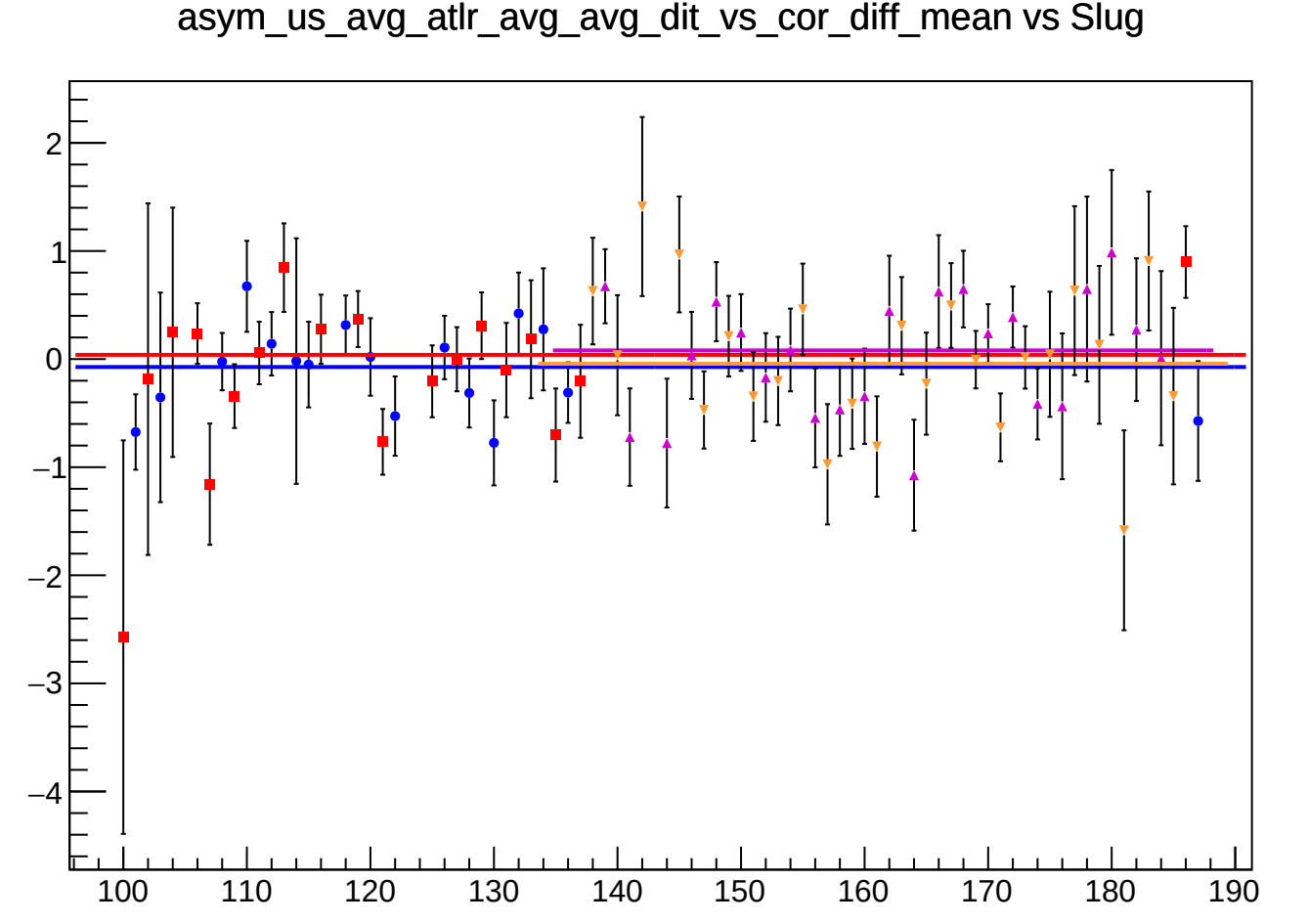
Right Out: 0.000+/-0.000 χ^2/NDF: 2459164.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 4098629.2/40

All: 0.000+/-0.000 χ^2/NDF: 9422155.4/82

- sign 0.000+/-0.000 χ^2/NDF: 5308060.3/41



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

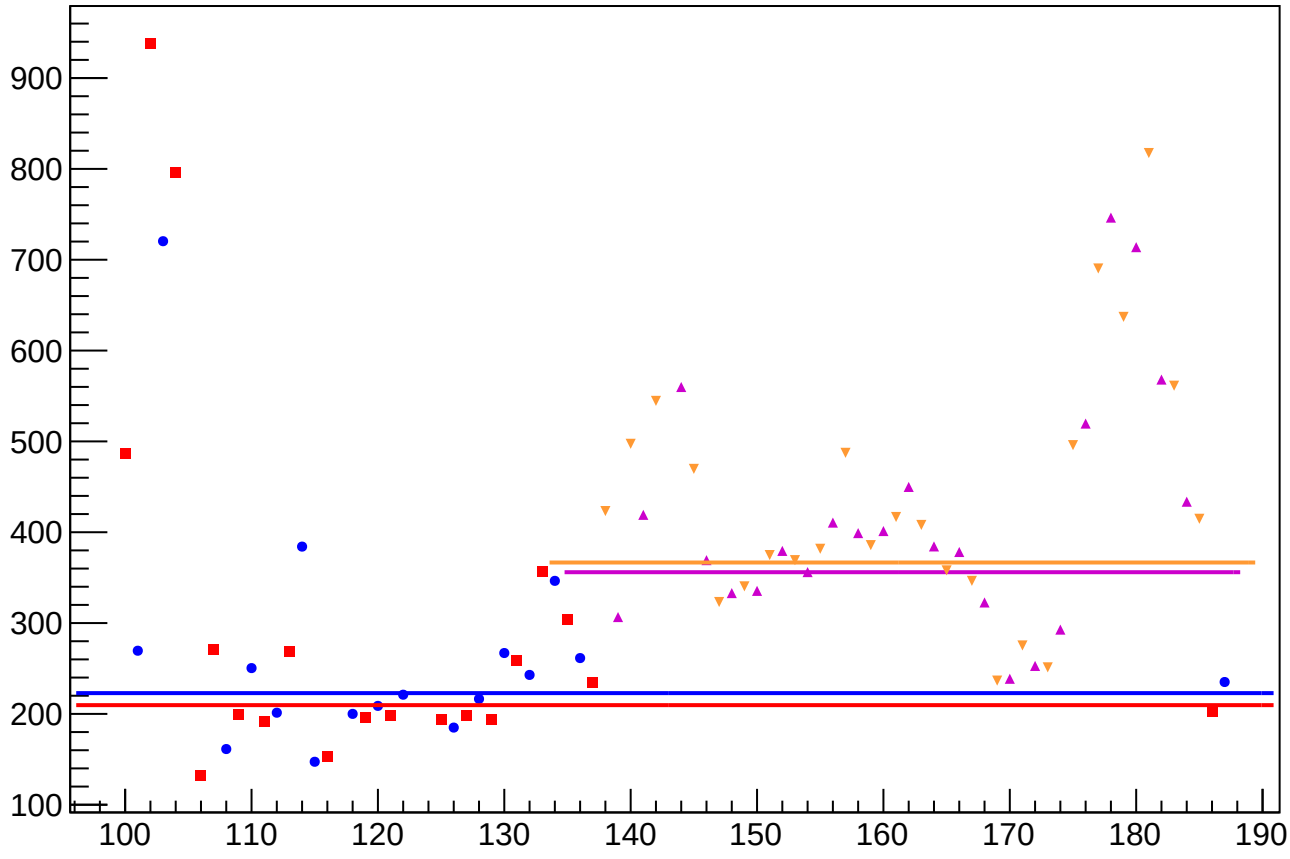
Right Out: 0.039+/-0.085 χ^2/NDF: 33.3/18

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign -0.059+/-0.063 χ^2/NDF: 49.2/40

All: 0.002+/-0.044 χ^2/NDF: 114.7/82

\- sign 0.059+/-0.061 χ^2/NDF: 63.7/41



Right In: 222.882+/-0.062 χ^2/NDF: 1019774.1/16

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

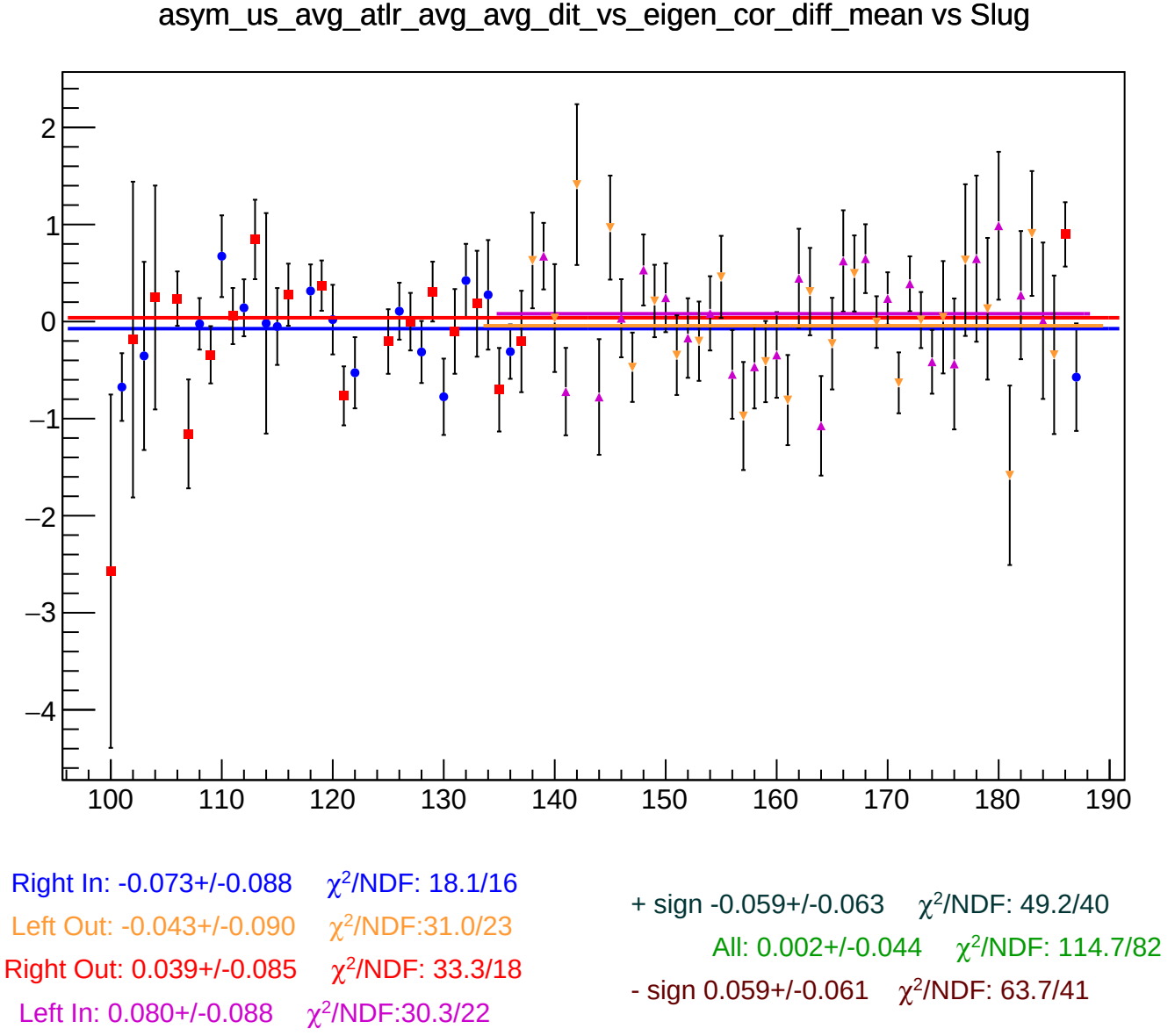
Right Out: 209.642+/-0.060 χ^2/NDF: 1549457.8/18

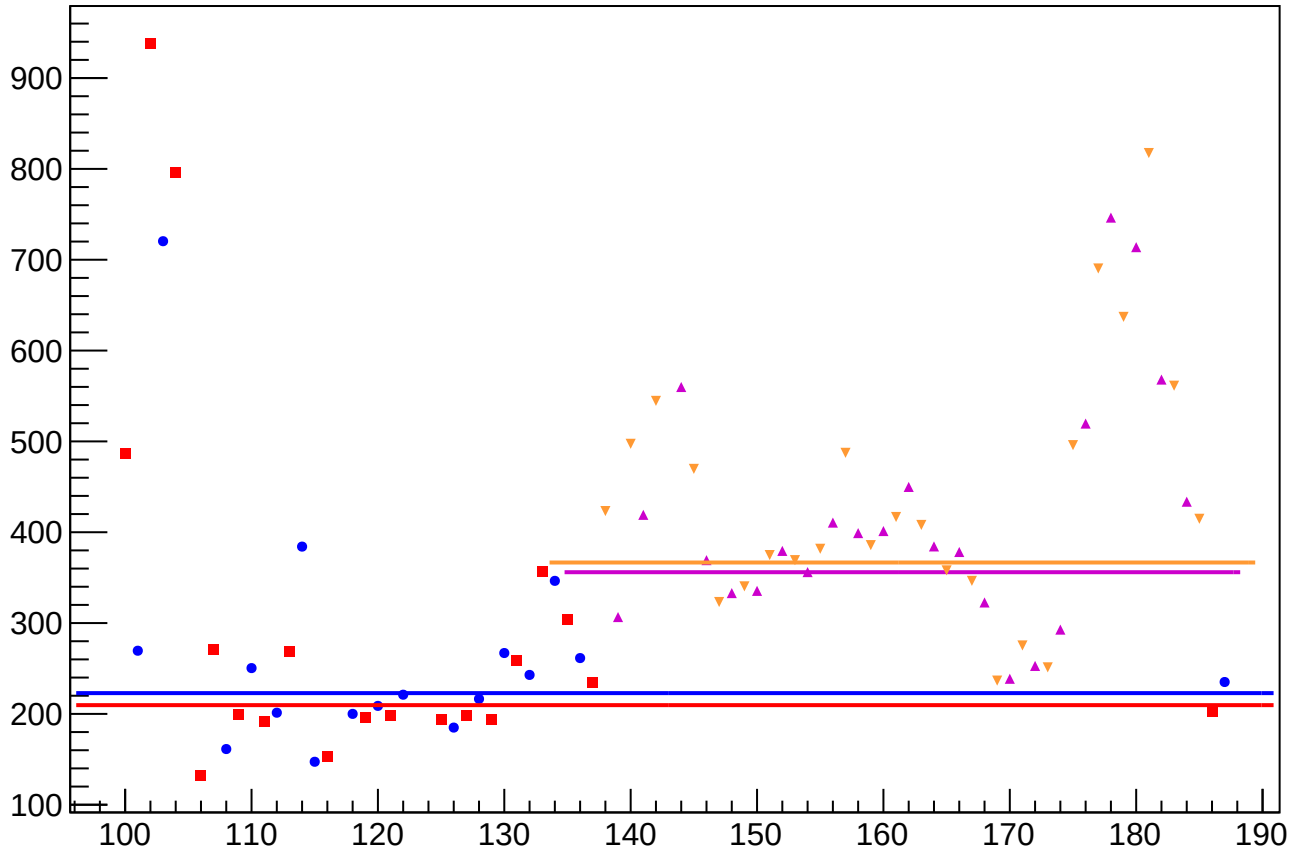
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.424+/-0.044 χ^2/NDF: 6470300.6/40

All: 286.049+/-0.031 χ^2/NDF: 13364871.5/82

- sign 280.076+/-0.043 χ^2/NDF: 6854779.0/41


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.073+/-0.088 χ²/NDF: 18.1/16
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.039+/-0.085 χ²/NDF: 33.3/18
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.059+/-0.063 χ²/NDF: 49.2/40
All: 0.002+/-0.044 χ²/NDF: 114.7/82
- sign 0.059+/-0.061 χ²/NDF: 63.7/41



Right In: 222.882+/-0.062 χ^2/NDF: 1019774.1/16

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

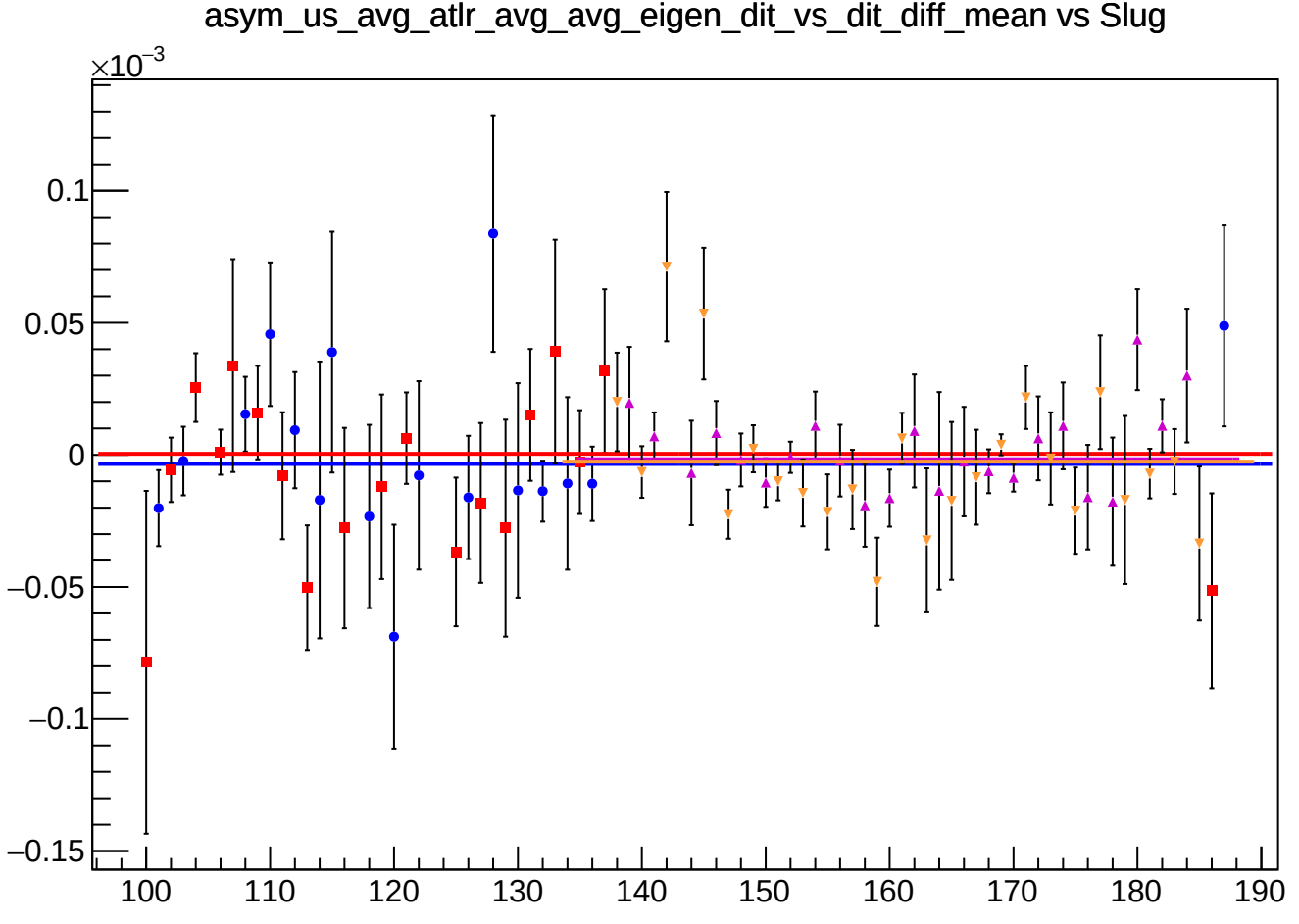
Right Out: 209.642+/-0.060 χ^2/NDF: 1549457.8/18

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 292.424+/-0.044 χ^2/NDF: 6470300.6/40

All: 286.049+/-0.031 χ^2/NDF: 13364871.5/82

- sign 280.076+/-0.043 χ^2/NDF: 6854779.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

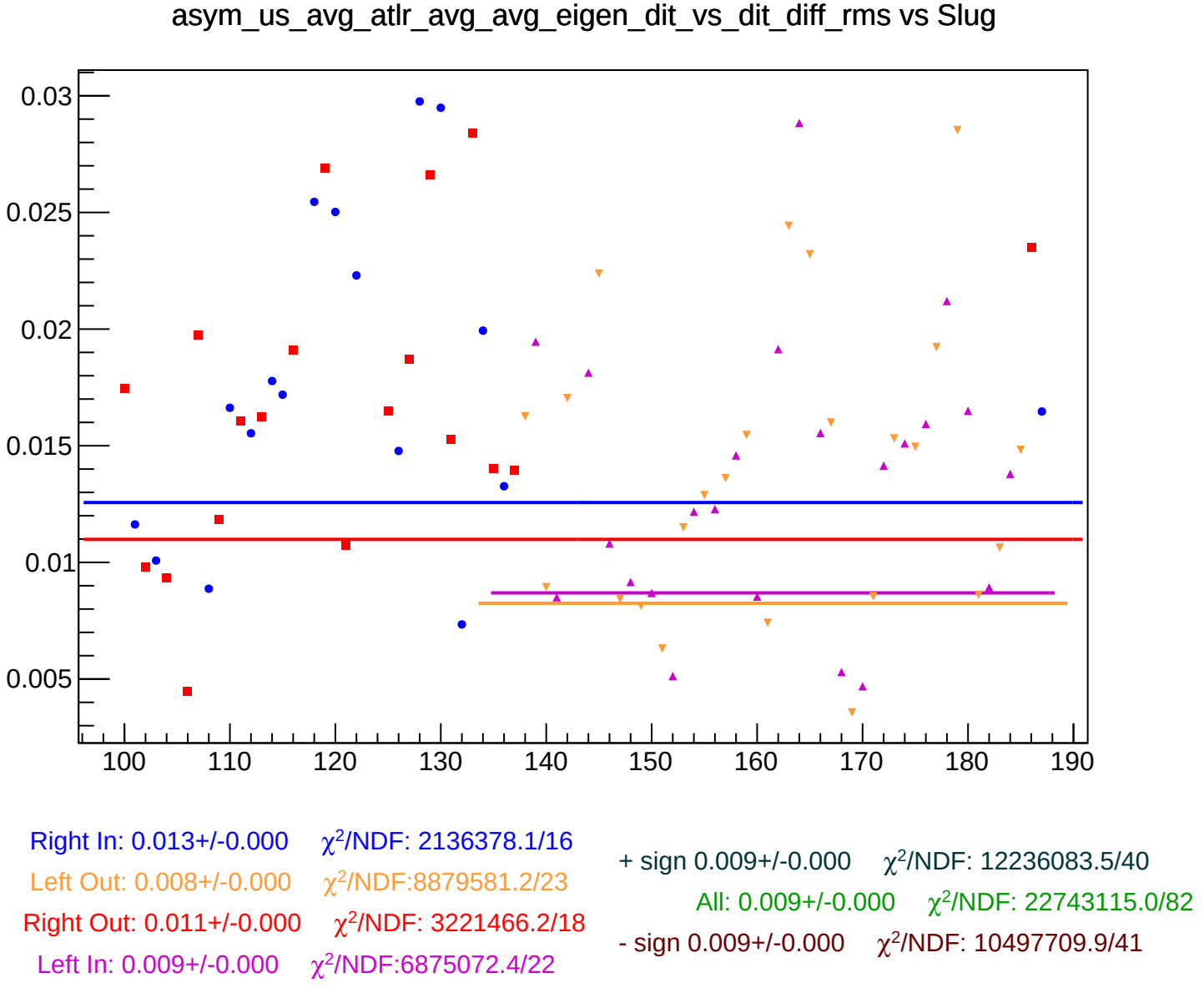
Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

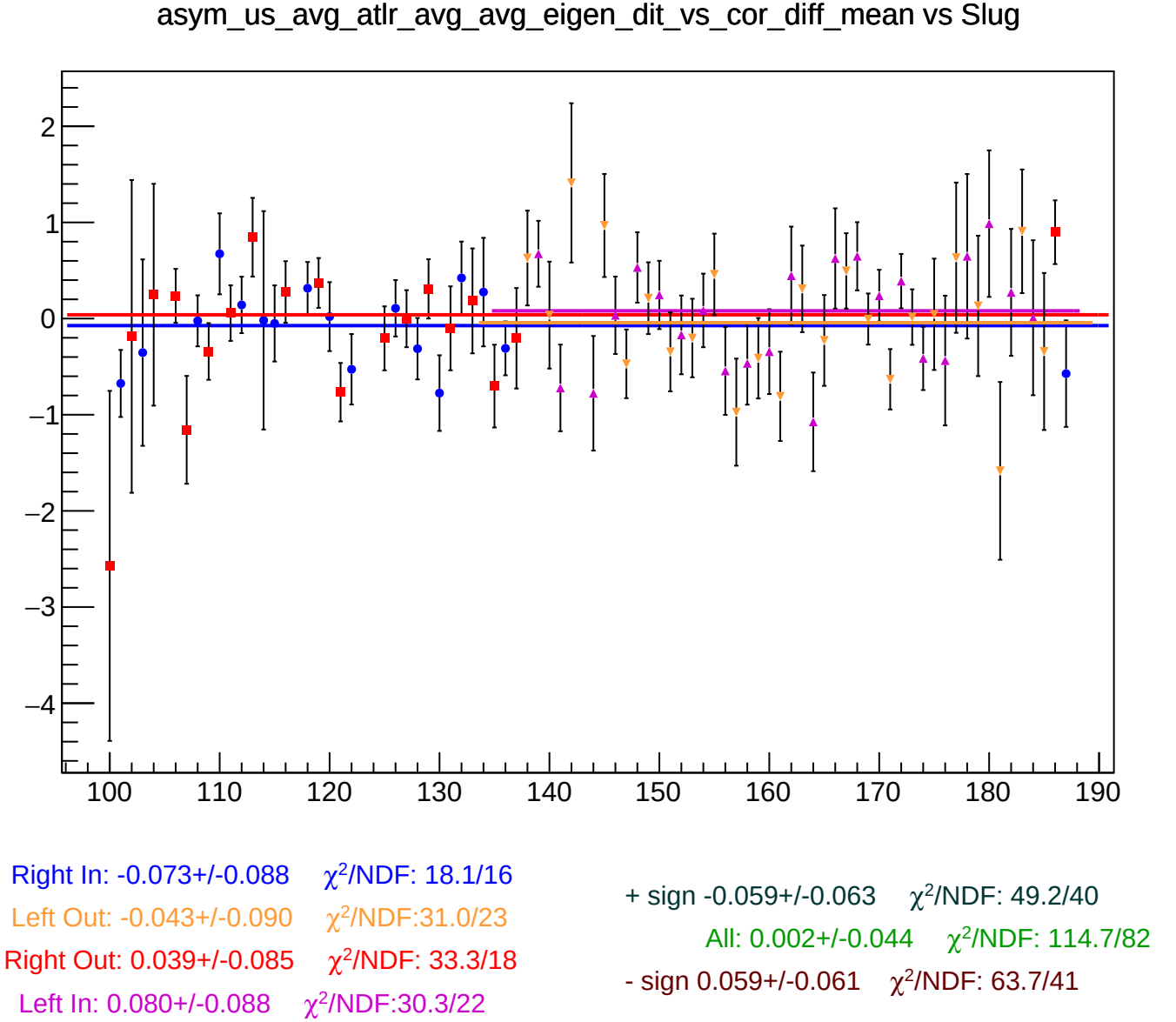
Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

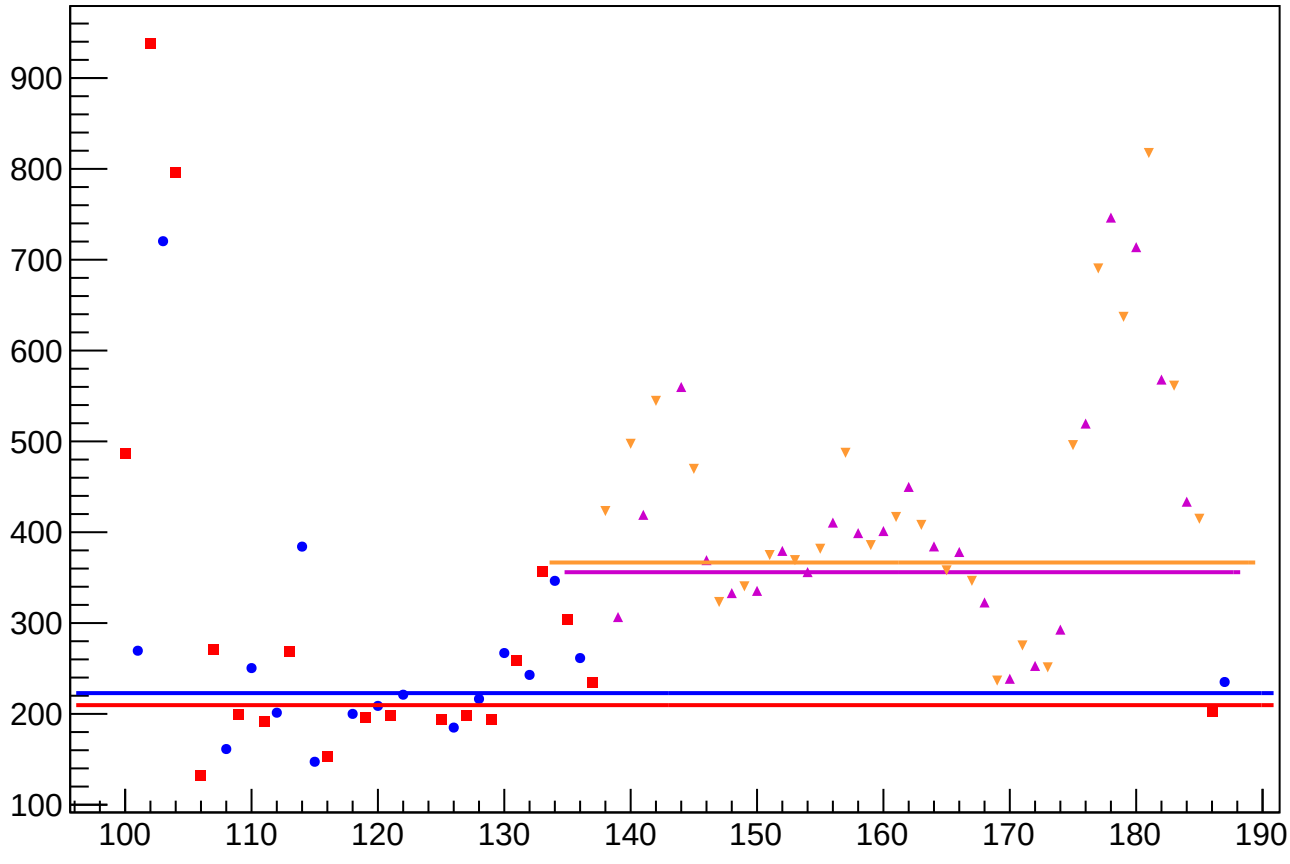
+ sign -0.000+/-0.000 χ^2/NDF: 61.1/40

All: -0.000+/-0.000 χ^2/NDF: 101.4/82

- sign -0.000+/-0.000 χ^2/NDF: 40.1/41


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.013+/-0.000 χ²/NDF: 2136378.1/16
Left Out: 0.008+/-0.000 χ²/NDF:8879581.2/23
Right Out: 0.011+/-0.000 χ²/NDF: 3221466.2/18
Left In: 0.009+/-0.000 χ²/NDF:6875072.4/22
+ sign 0.009+/-0.000 χ²/NDF: 12236083.5/40
All: 0.009+/-0.000 χ²/NDF: 22743115.0/82
- sign 0.009+/-0.000 χ²/NDF: 10497709.9/41


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.073+/-0.088 χ²/NDF: 18.1/16
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.039+/-0.085 χ²/NDF: 33.3/18
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.059+/-0.063 χ²/NDF: 49.2/40
All: 0.002+/-0.044 χ²/NDF: 114.7/82
- sign 0.059+/-0.061 χ²/NDF: 63.7/41



Right In: 222.880+/-0.062 χ^2/NDF: 1019761.4/16

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

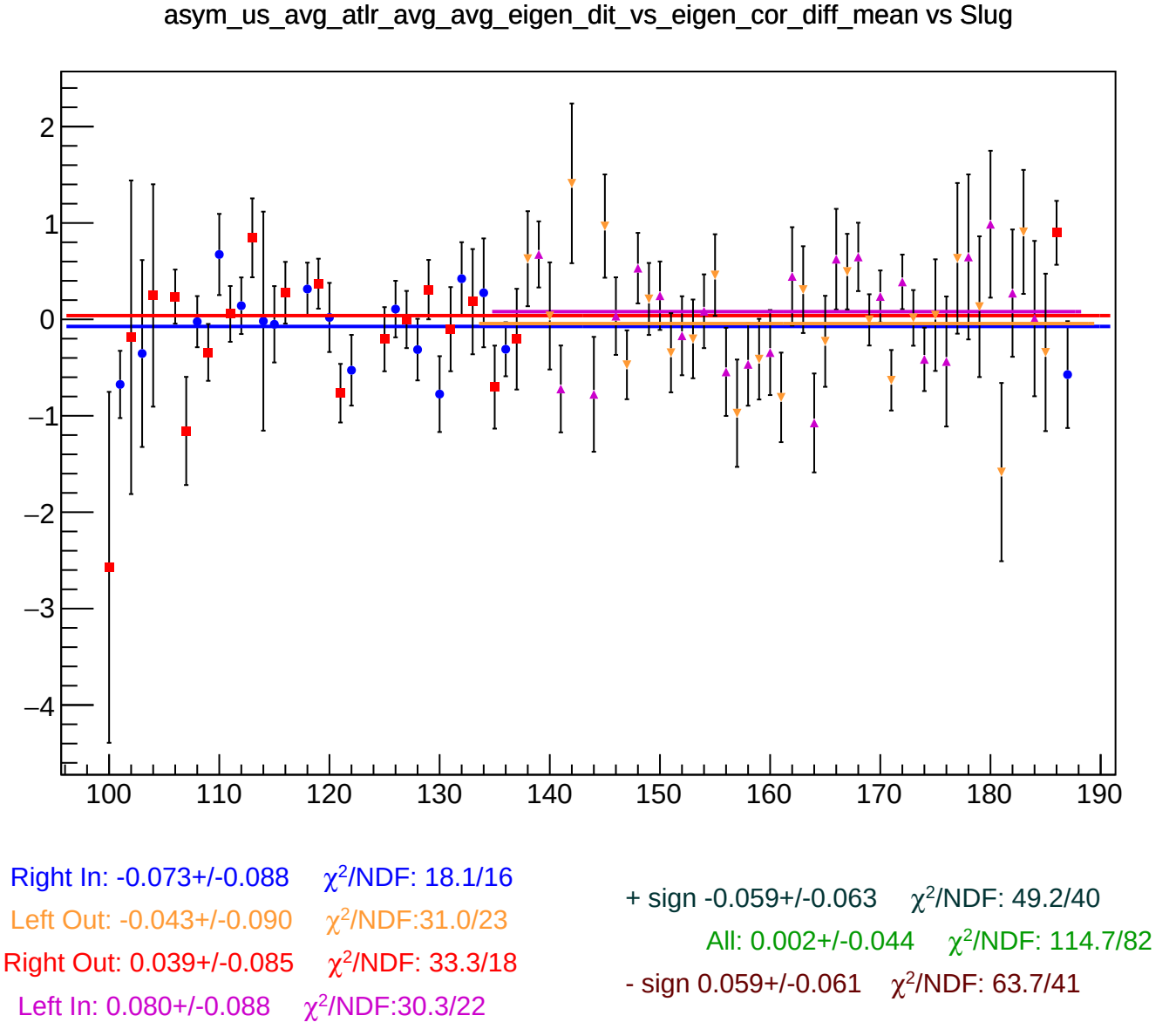
Right Out: 209.639+/-0.060 χ^2/NDF: 1549440.8/18

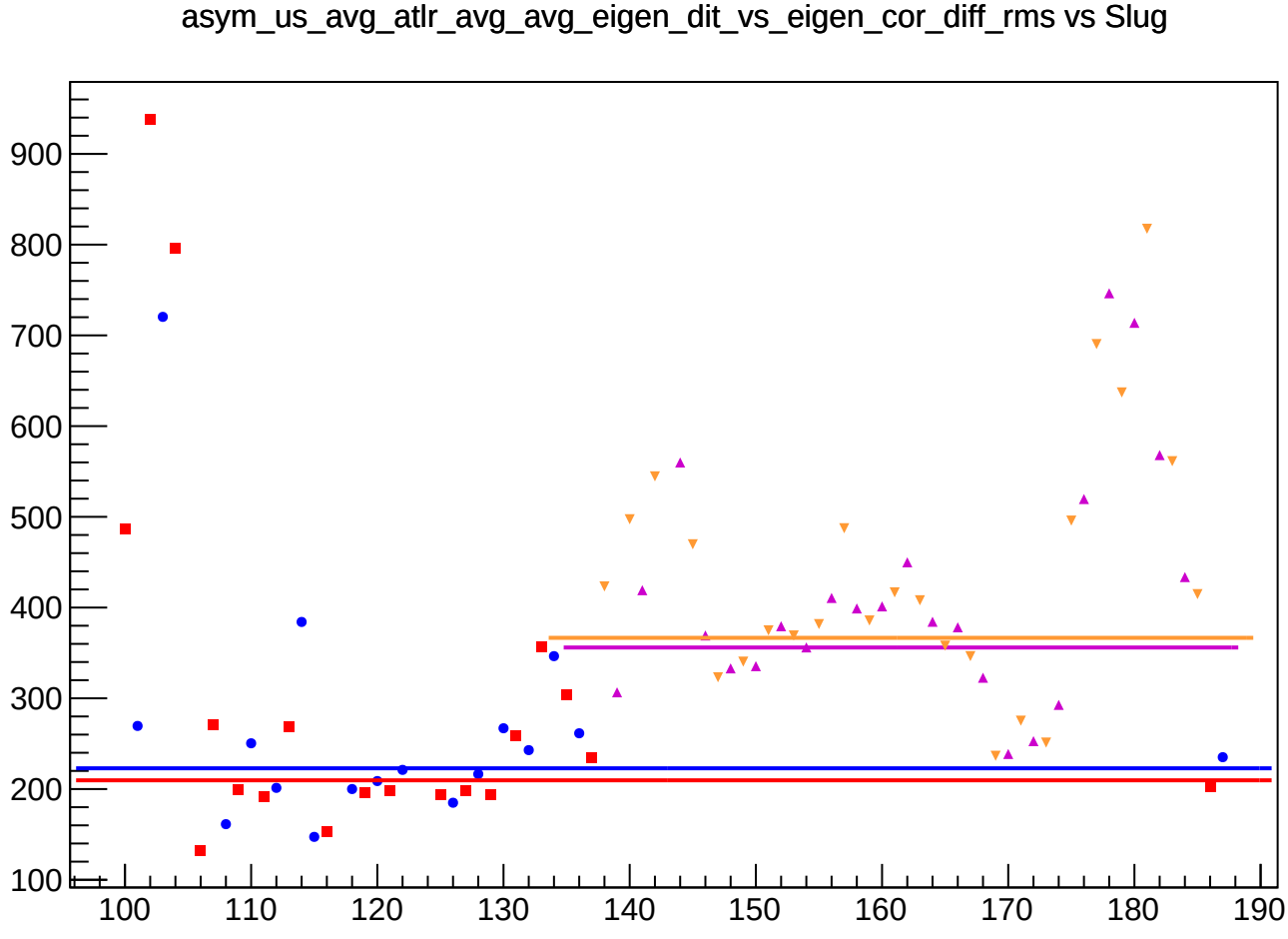
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.423+/-0.044 χ^2/NDF: 6470581.6/40

All: 286.047+/-0.031 χ^2/NDF: 13365506.3/82

- sign 280.073+/-0.043 χ^2/NDF: 6855125.7/41


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.073+/-0.088 χ²/NDF: 18.1/16
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.039+/-0.085 χ²/NDF: 33.3/18
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.059+/-0.063 χ²/NDF: 49.2/40
All: 0.002+/-0.044 χ²/NDF: 114.7/82
- sign 0.059+/-0.061 χ²/NDF: 63.7/41



Right In: 222.880+/-0.062 χ^2/NDF: 1019761.4/16

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

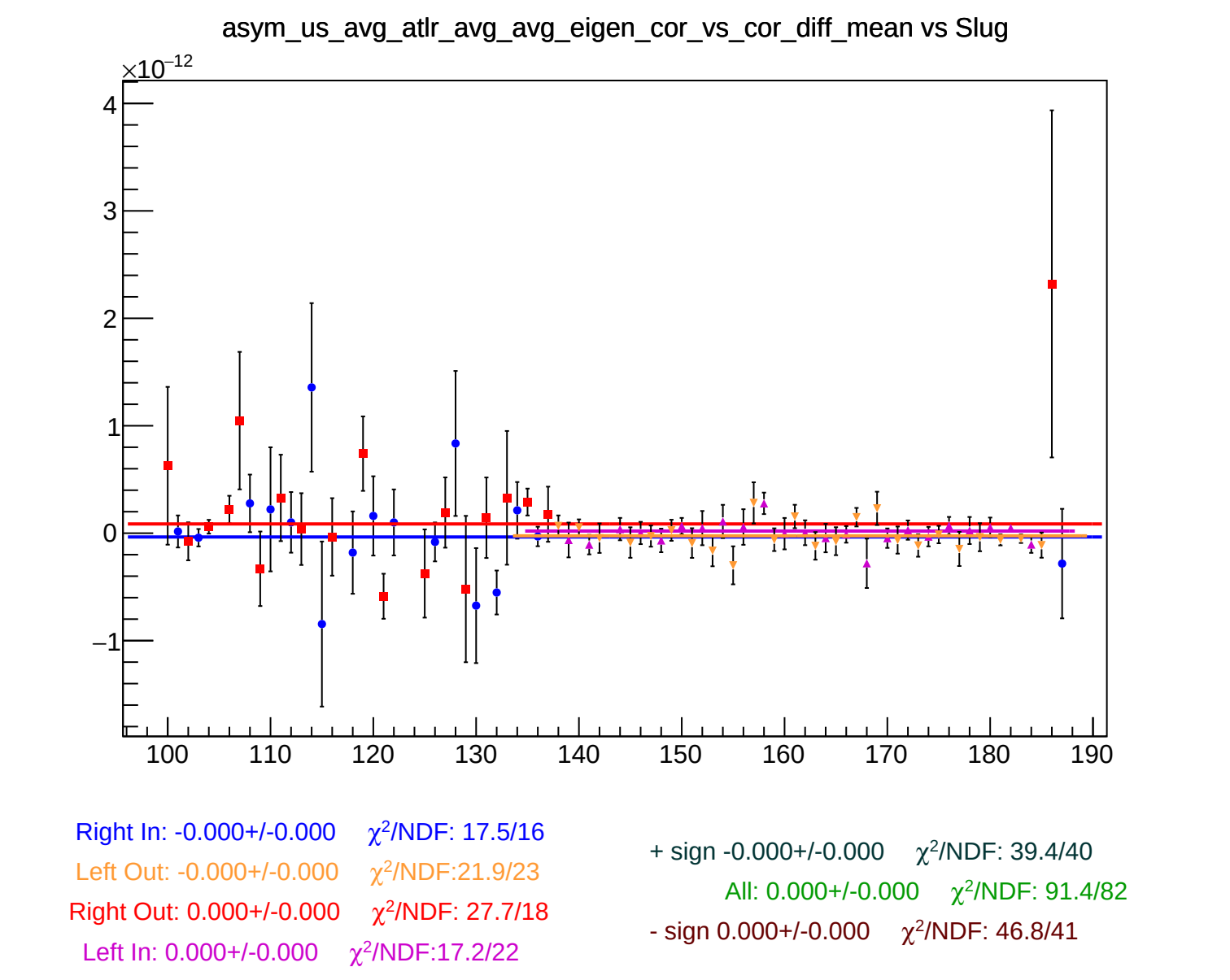
Right Out: 209.639+/-0.060 χ^2/NDF: 1549440.8/18

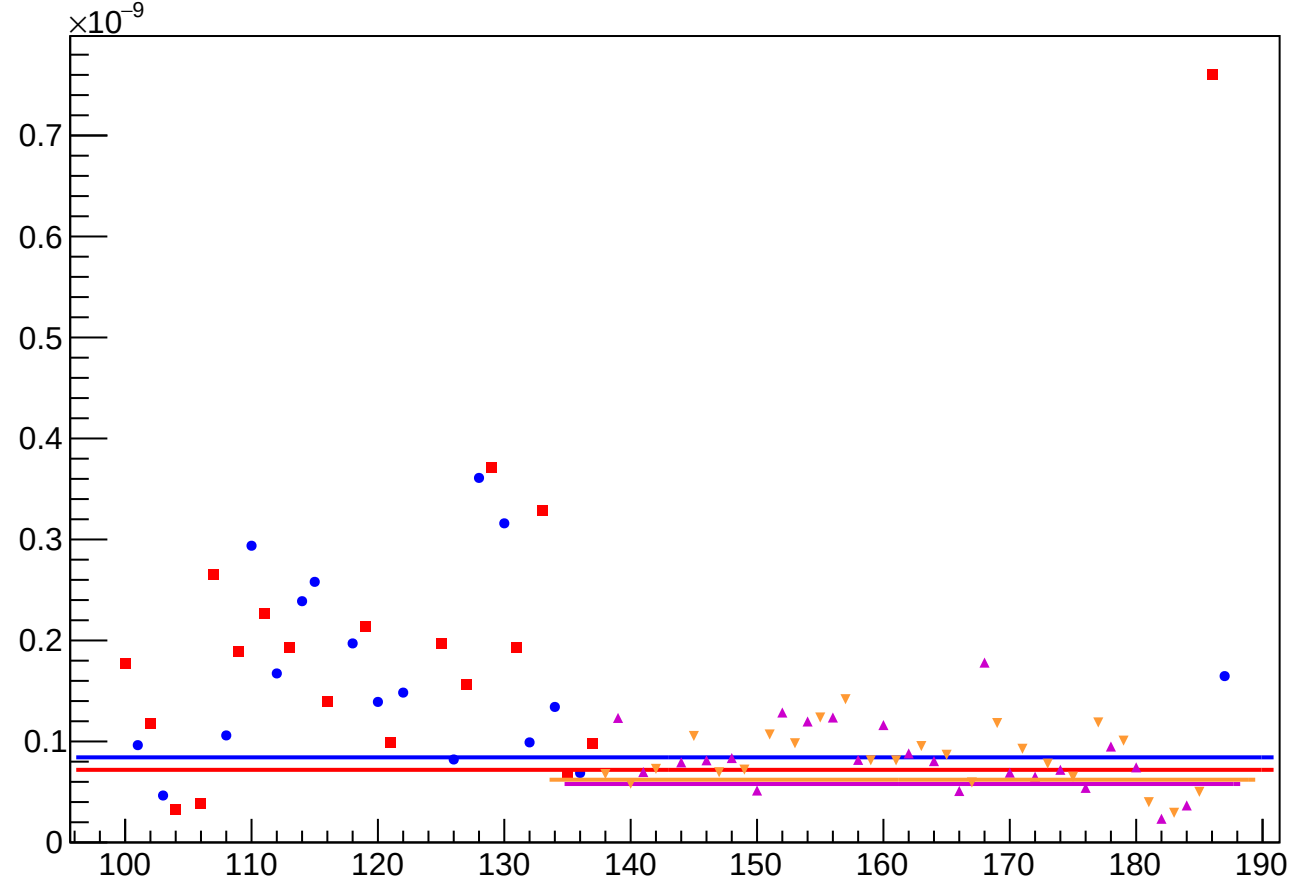
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 292.423+/-0.044 χ^2/NDF: 6470581.6/40

All: 286.047+/-0.031 χ^2/NDF: 13365506.3/82

- sign 280.073+/-0.043 χ^2/NDF: 6855125.7/41


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.5/16
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.7/18
Left In: 0.000+/-0.000 χ²/NDF:17.2/22
+ sign -0.000+/-0.000 χ²/NDF: 39.4/40
All: 0.000+/-0.000 χ²/NDF: 91.4/82
- sign 0.000+/-0.000 χ²/NDF: 46.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 2285685.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4108830.3/18

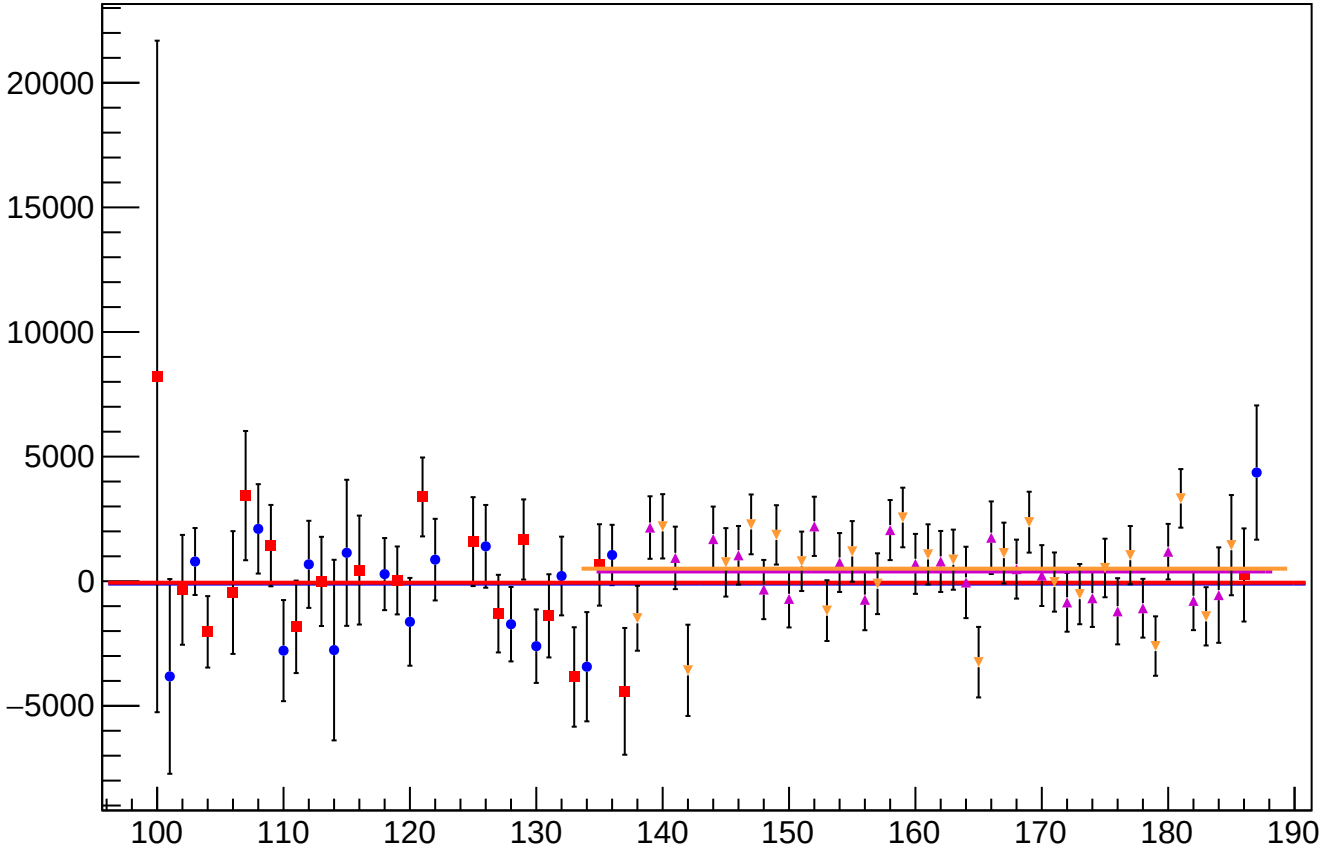
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6767837.2/40

All: 0.000+/-0.000 χ^2/NDF: 16656447.0/82

- sign 0.000+/-0.000 χ^2/NDF: 9792910.5/41

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.238+/-423.809 χ^2/NDF: 17.6/16

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -59.132+/-419.749 χ^2/NDF: 20.7/18

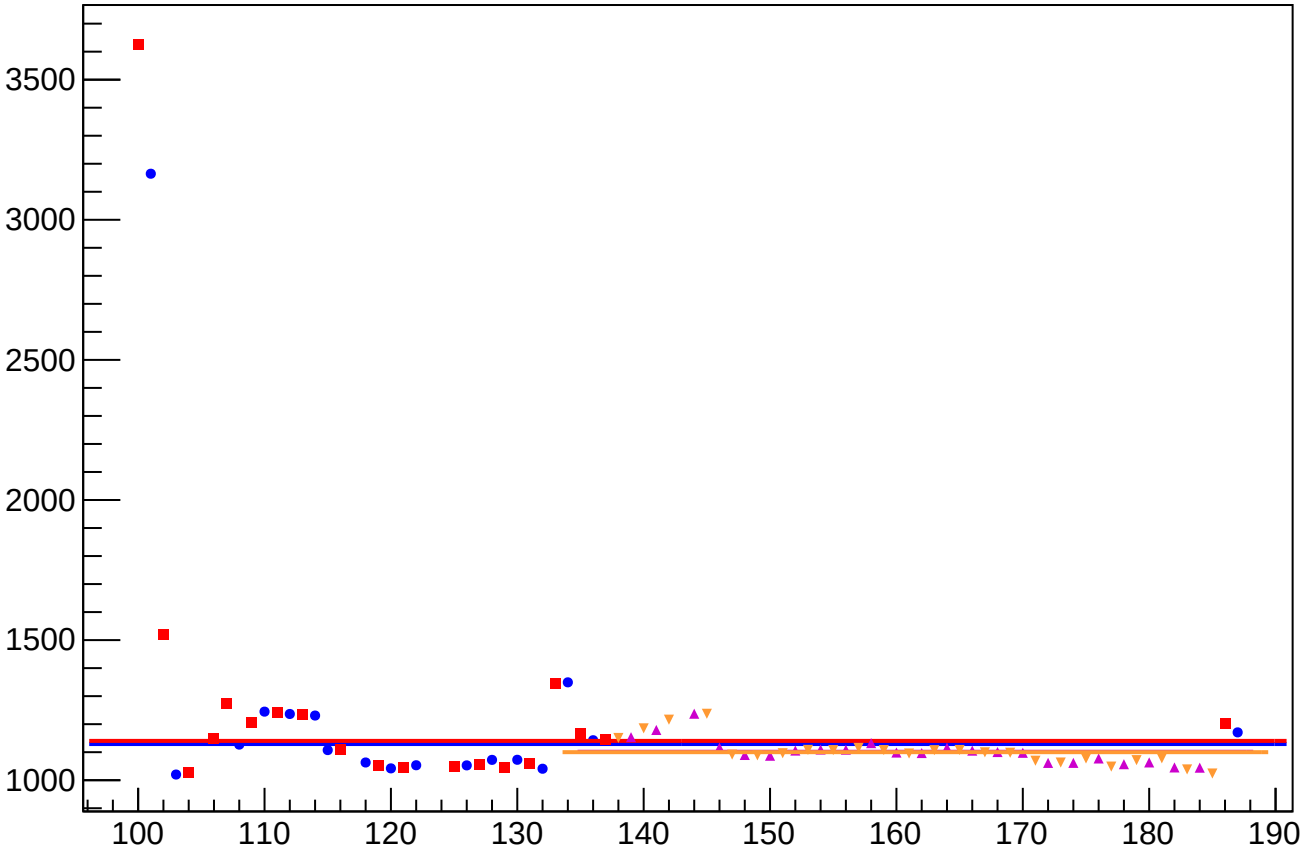
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 343.947+/-218.832 χ^2/NDF: 63.6/40

All: 306.329+/-154.945 χ^2/NDF: 103.0/82

- sign 268.508+/-219.420 χ^2/NDF: 39.3/41

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1129.065+/-0.300 χ^2/NDF: 621884.8/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

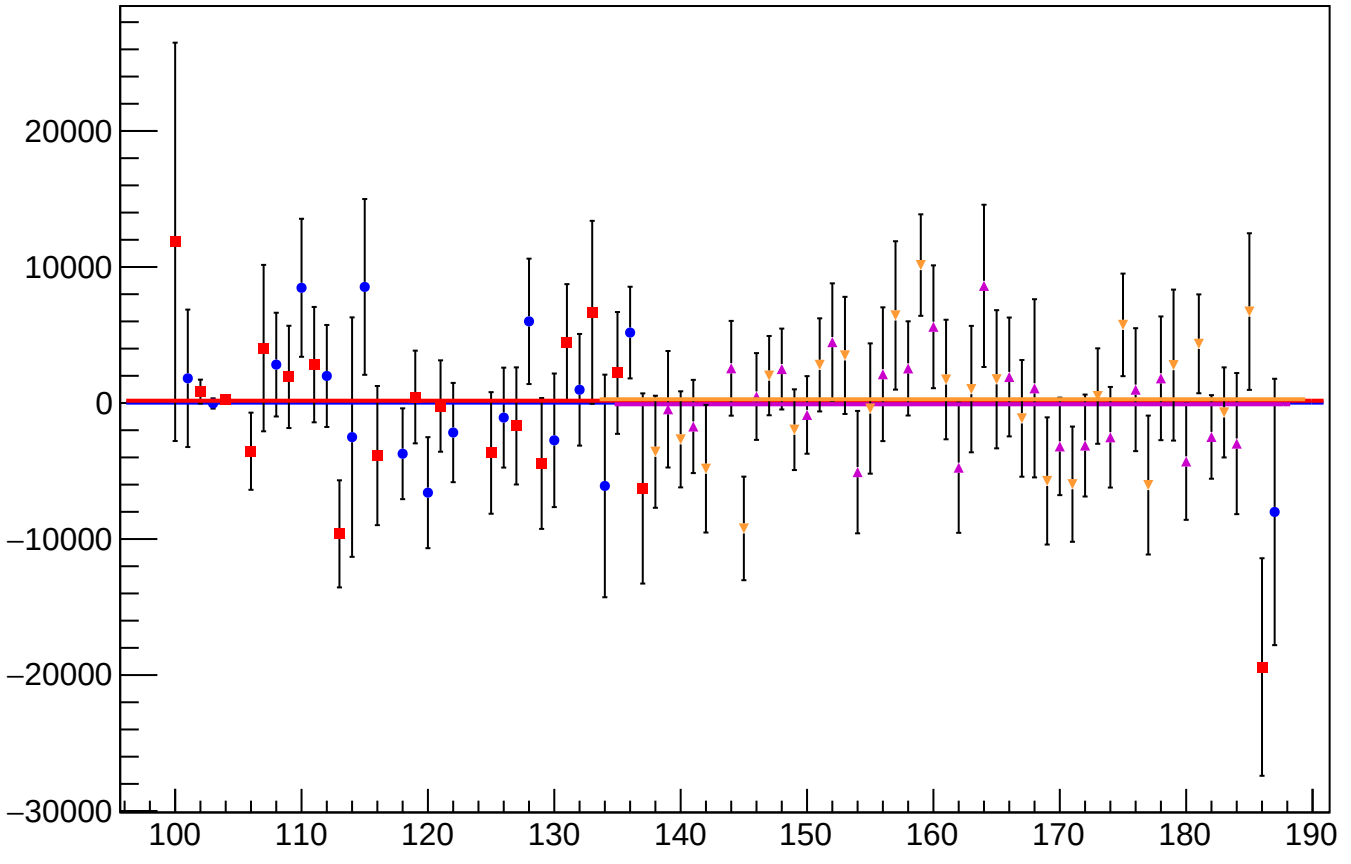
Right Out: 1140.307+/-0.296 χ^2/NDF: 222379.8/18

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.795+/-0.155 χ^2/NDF: 687487.1/40

All: 1109.969+/-0.110 χ^2/NDF: 974844.1/82

\- sign 1112.152+/-0.155 χ^2/NDF: 286961.4/41



Right In: 27.576+/-357.413 χ^2/NDF: 15.5/16

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

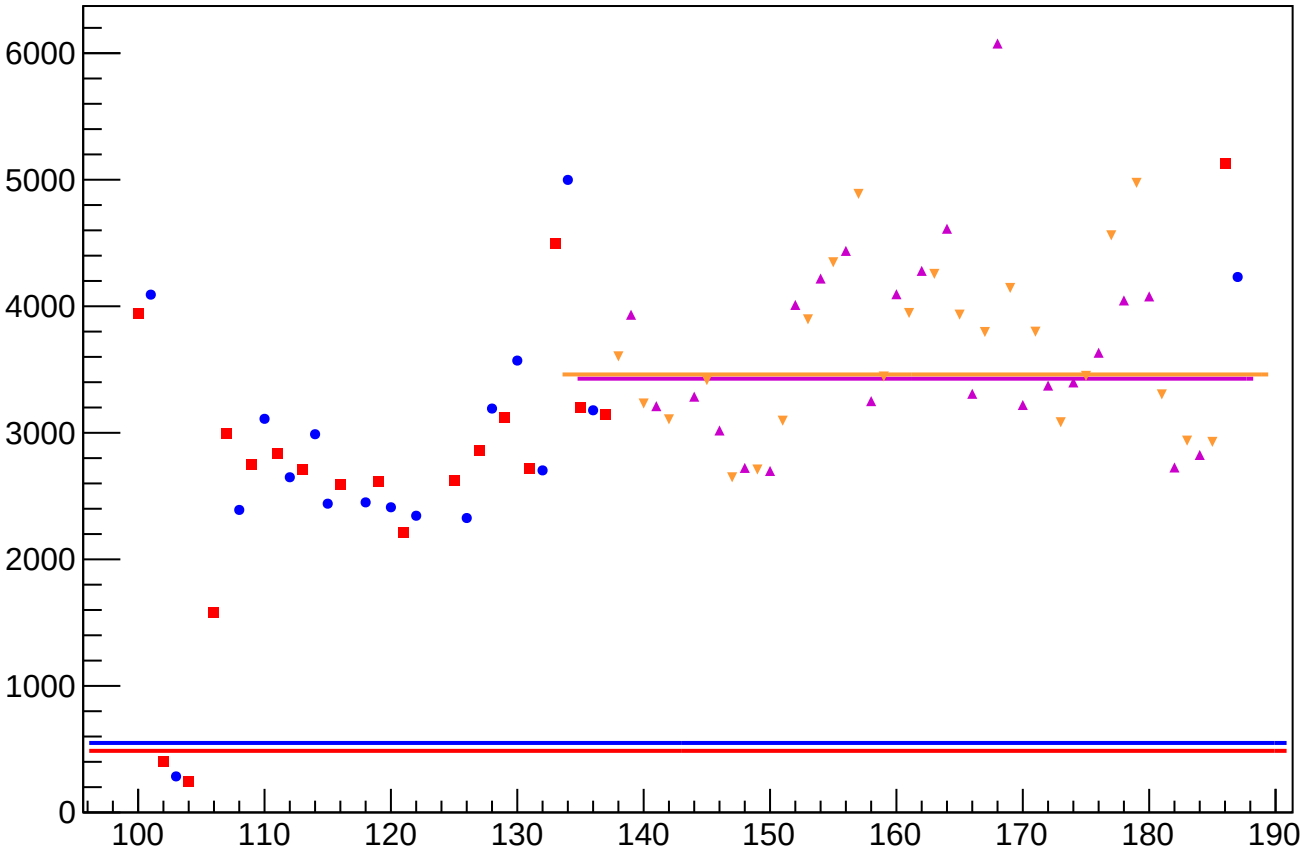
Right Out: 169.792+/-322.283 χ^2/NDF: 21.6/18

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 67.437+/-327.674 χ^2/NDF: 45.5/40

All: 103.771+/-221.194 χ^2/NDF: 80.9/82

- sign 134.189+/-299.811 χ^2/NDF: 35.4/41



Right In: 549.249+/-0.253 χ^2/NDF: 9966222.8/16

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 486.799+/-0.228 χ^2/NDF: 9862100.8/18

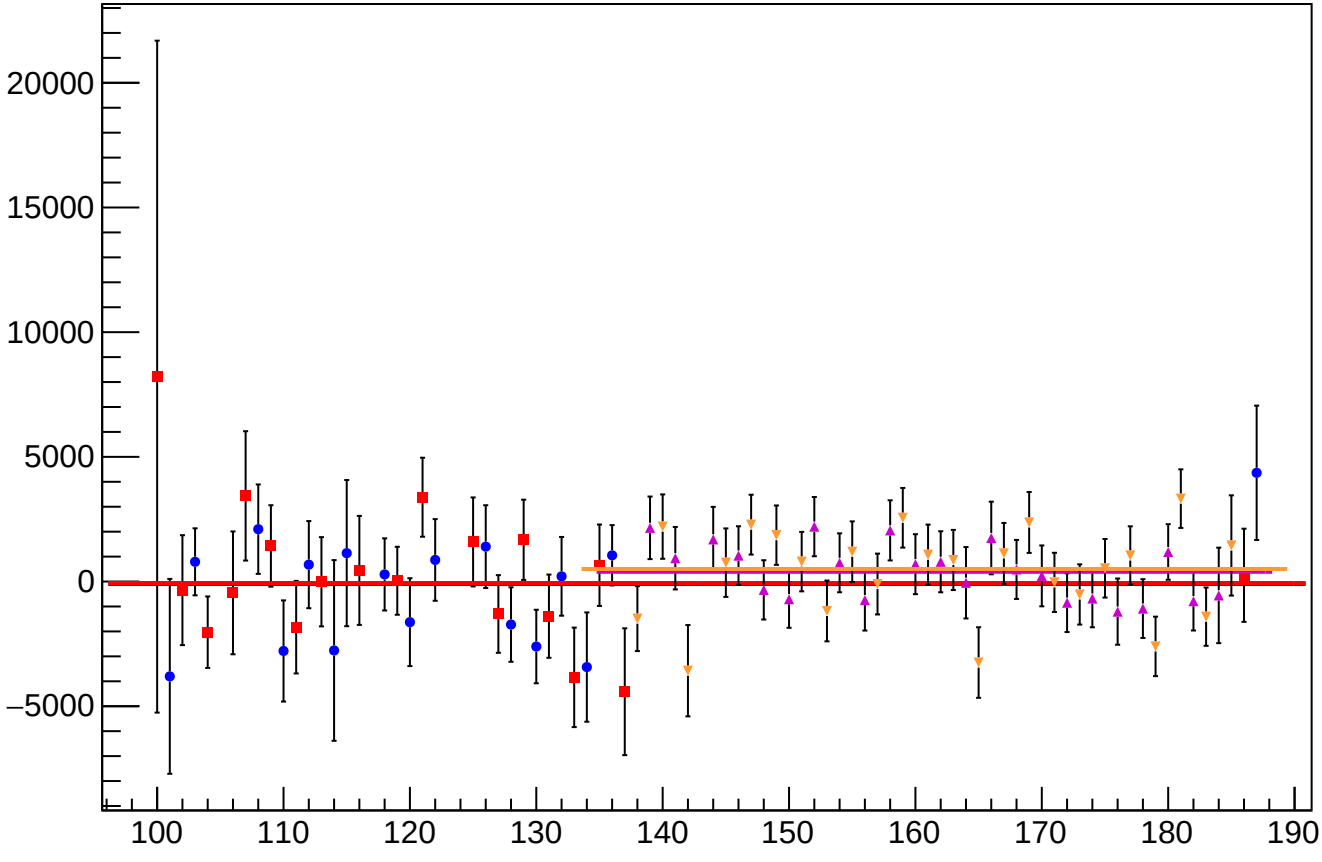
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1013.678+/-0.232 χ^2/NDF: 32198840.5/40

All: 942.351+/-0.156 χ^2/NDF: 65895230.3/82

- sign 882.639+/-0.212 χ^2/NDF: 33522288.9/41

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.021+/-423.810 χ^2/NDF: 17.6/16

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -59.268+/-419.749 χ^2/NDF: 20.7/18

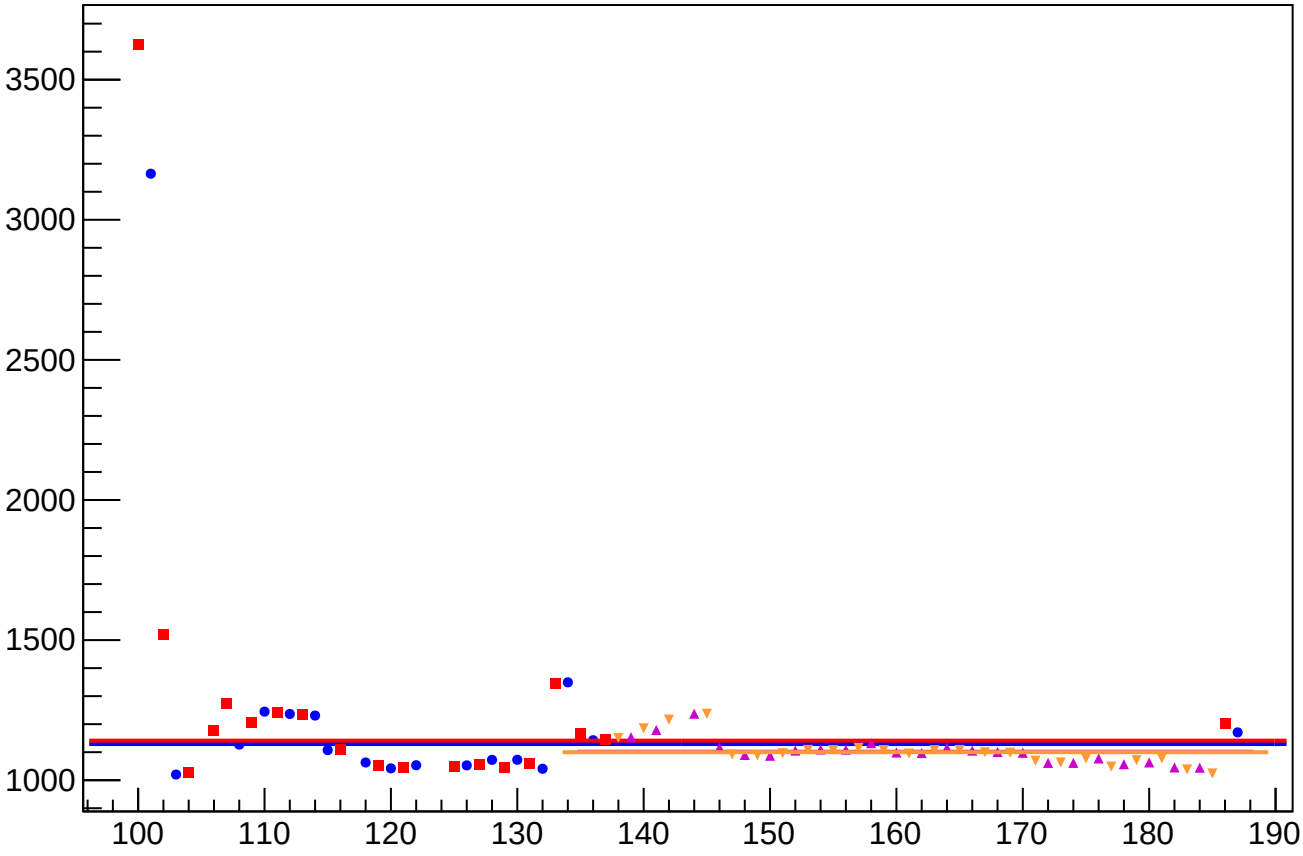
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 344.059+/-218.832 χ^2/NDF: 63.6/40

All: 306.362+/-154.945 χ^2/NDF: 103.0/82

- sign 268.462+/-219.420 χ^2/NDF: 39.3/41

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1129.064+/-0.300 χ^2/NDF: 621885.9/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

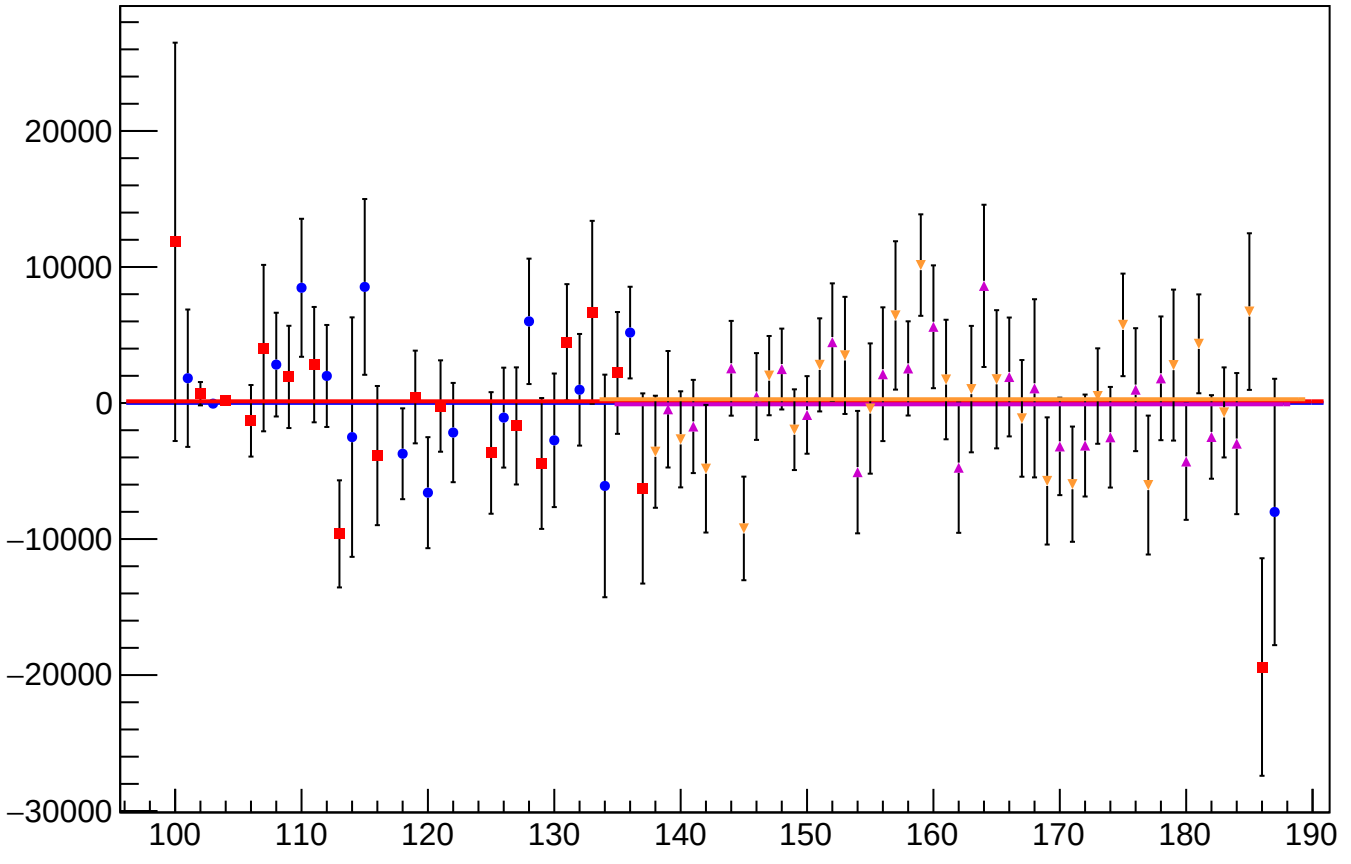
Right Out: 1141.225+/-0.297 χ^2/NDF: 222850.6/18

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

\+ sign 1107.795+/-0.155 χ^2/NDF: 687488.1/40

All: 1110.084+/-0.110 χ^2/NDF: 975932.1/82

\- sign 1112.385+/-0.155 χ^2/NDF: 288005.3/41



Right In: 11.713+/-344.312 χ^2/NDF: 15.5/16

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

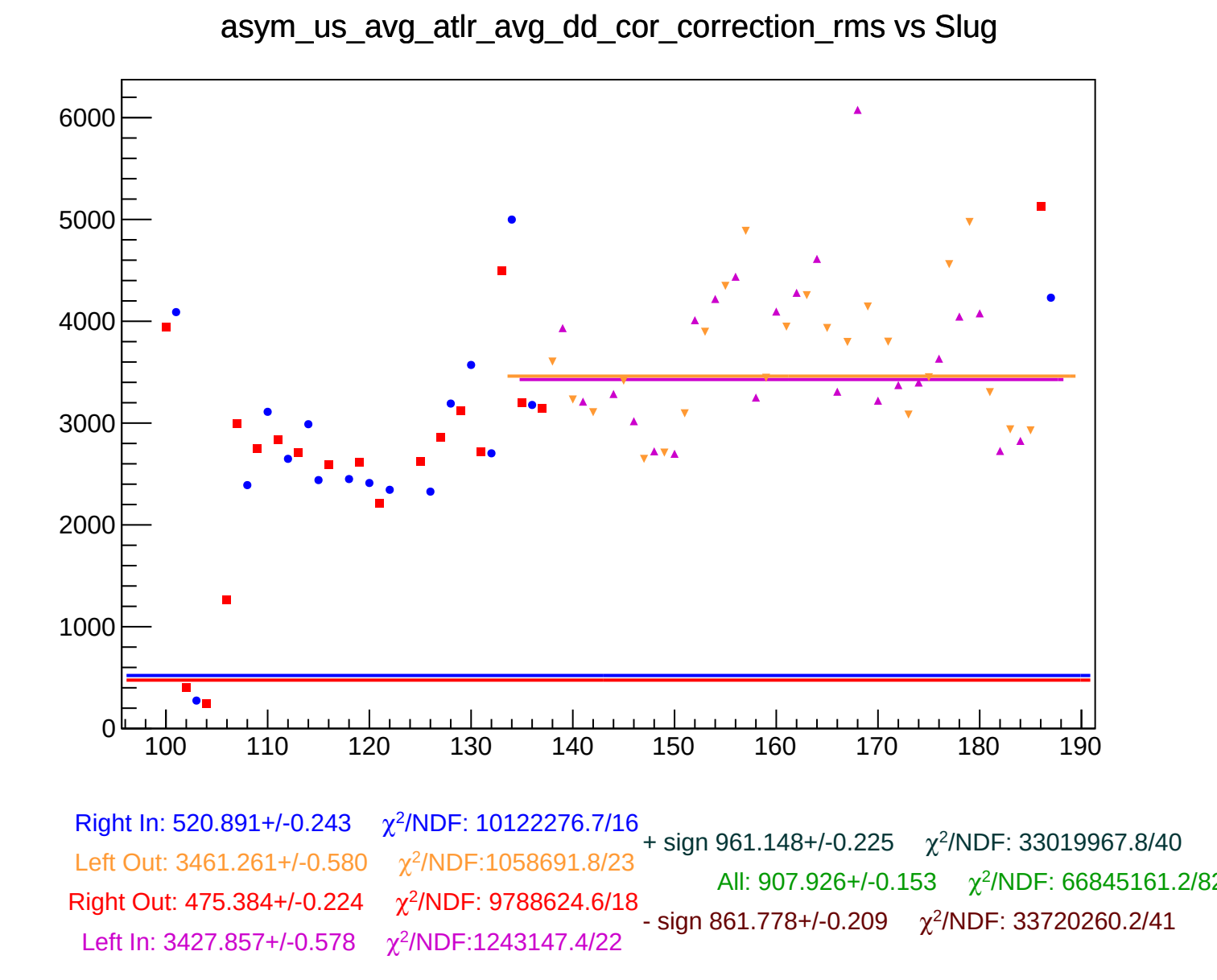
Right Out: 125.466+/-317.118 χ^2/NDF: 20.0/18

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

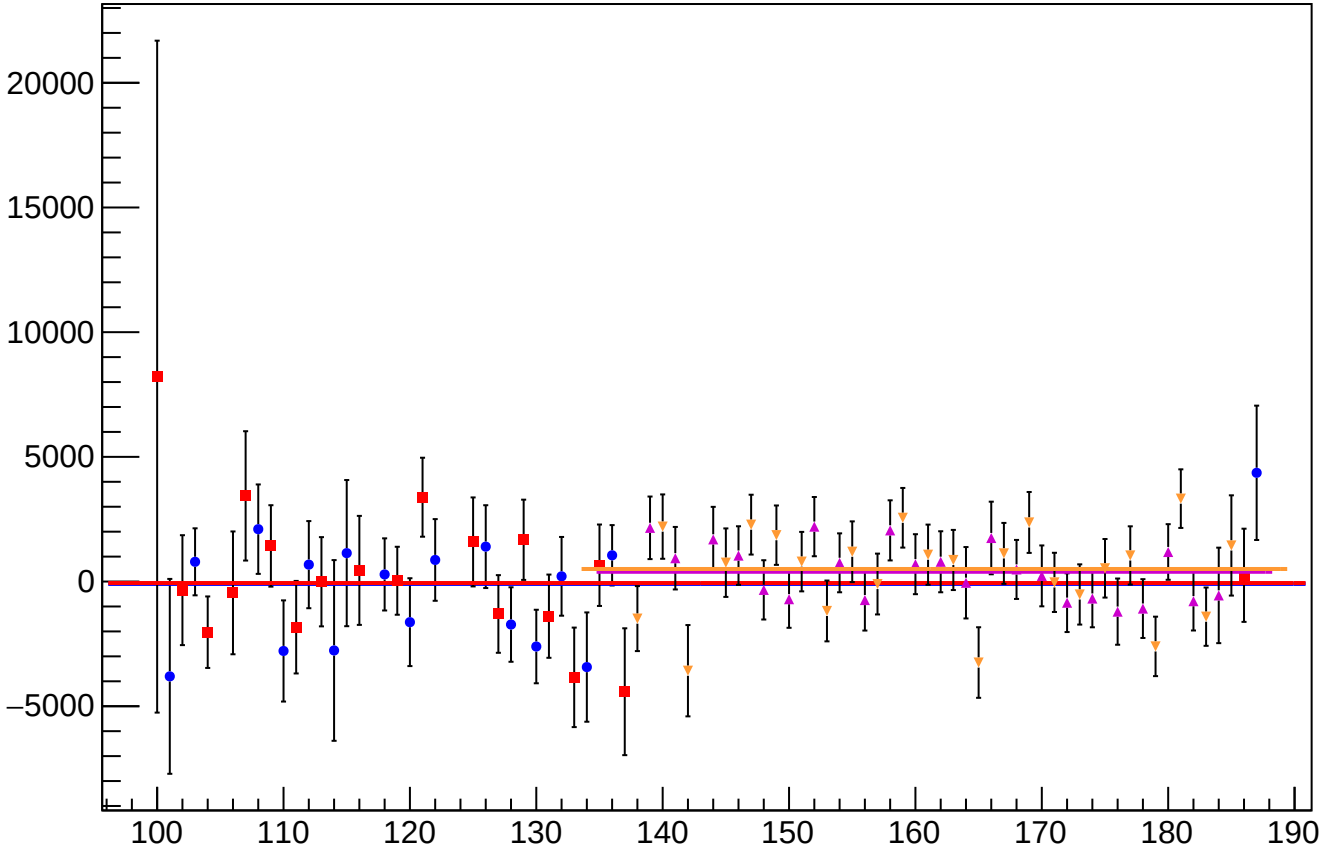
\+ sign 51.514+/-317.491 χ^2/NDF: 45.5/40

All: 75.687+/-216.362 χ^2/NDF: 79.2/82

\- sign 96.647+/-295.639 χ^2/NDF: 33.7/41


asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 520.891+/-0.243 χ²/NDF: 10122276.7/16
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 475.384+/-0.224 χ²/NDF: 9788624.6/18
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
+ sign 961.148+/-0.225 χ²/NDF: 33019967.8/40
All: 907.926+/-0.153 χ²/NDF: 66845161.2/82
- sign 861.778+/-0.209 χ²/NDF: 33720260.2/41

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -95.021+/-423.810 χ^2/NDF: 17.6/16

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

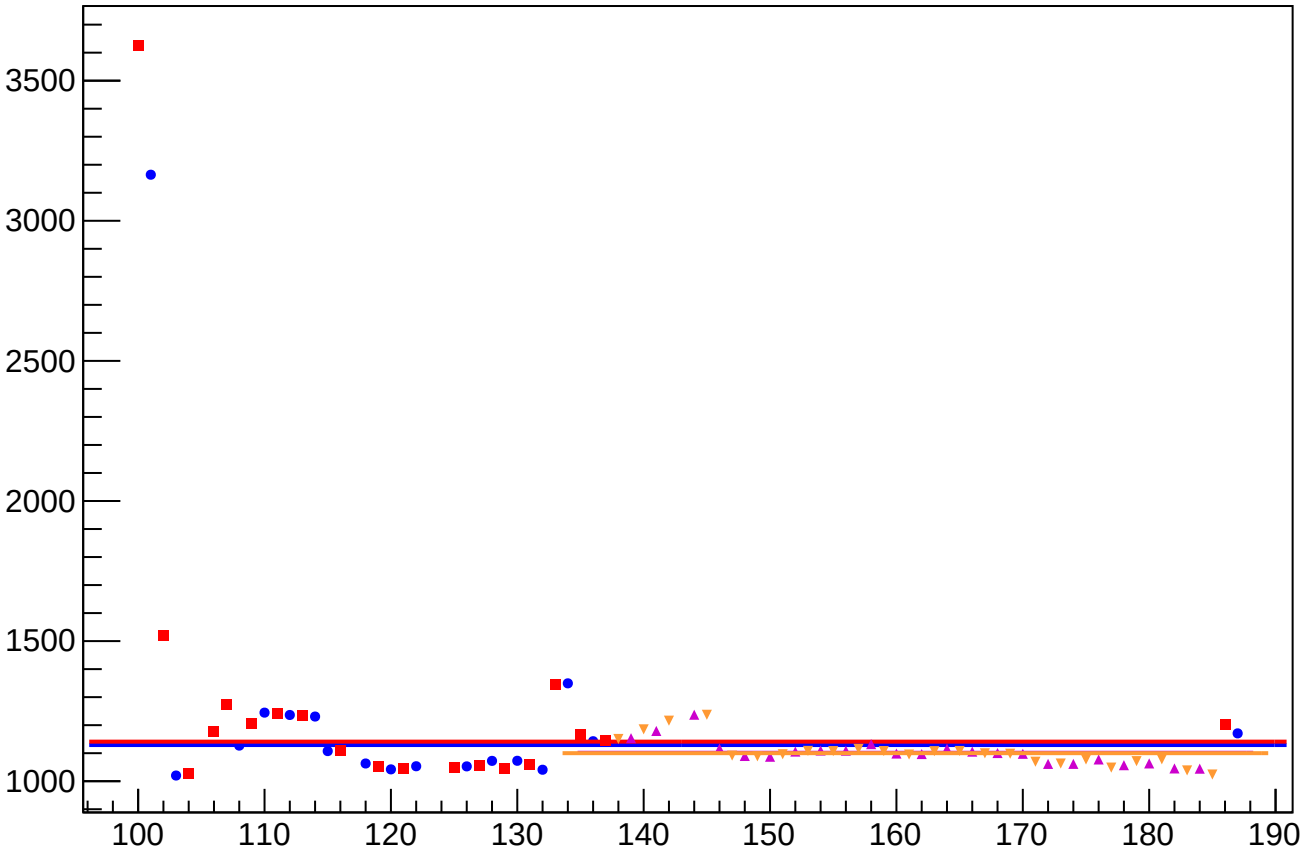
Right Out: -59.268+/-419.749 χ^2/NDF: 20.7/18

Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 344.059+/-218.832 χ^2/NDF: 63.6/40

All: 306.362+/-154.945 χ^2/NDF: 103.0/82

- sign 268.462+/-219.420 χ^2/NDF: 39.3/41



Right In: 1129.064+/-0.300 χ^2/NDF: 621885.9/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

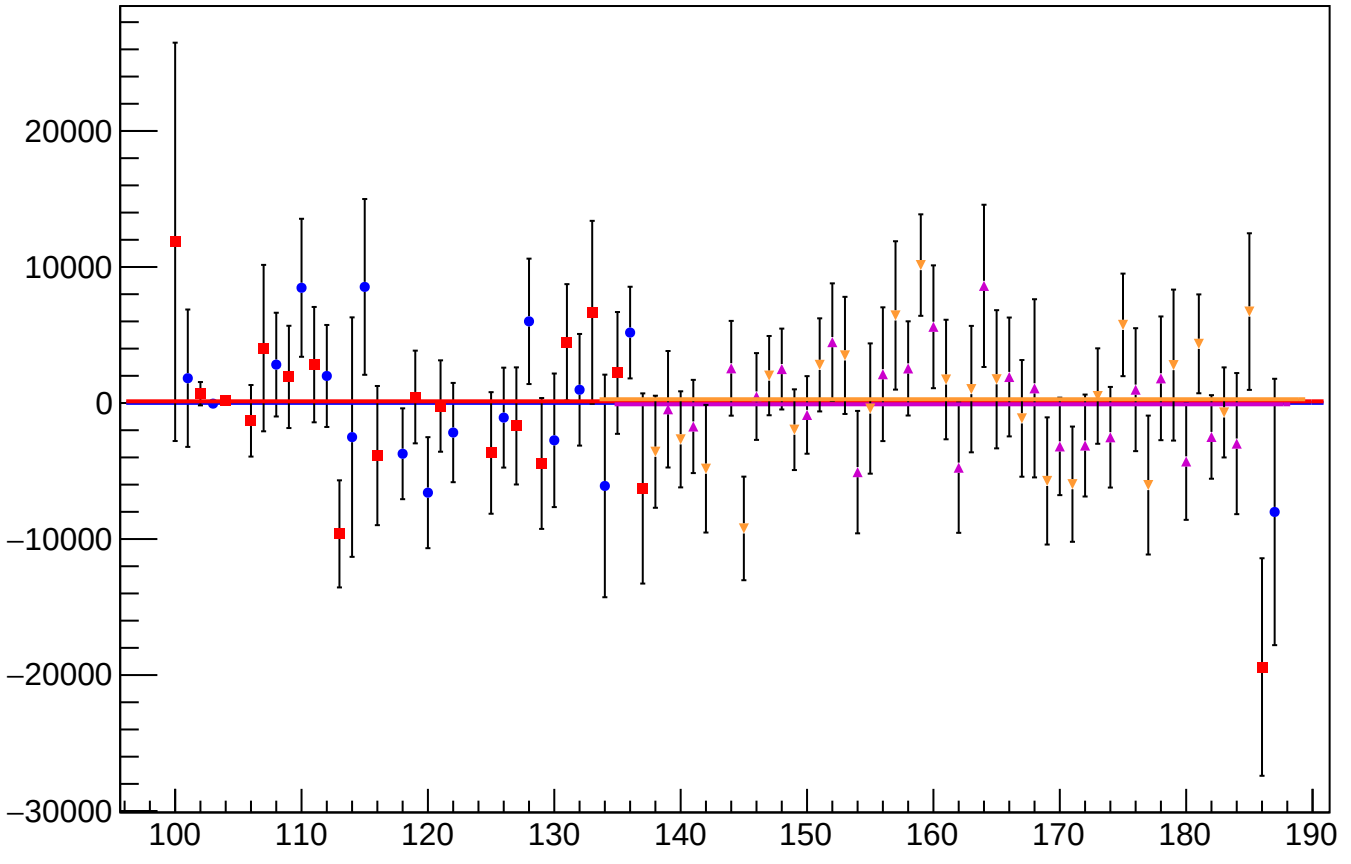
Right Out: 1141.225+/-0.297 χ^2/NDF: 222850.6/18

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1107.795+/-0.155 χ^2/NDF: 687488.1/40

All: 1110.084+/-0.110 χ^2/NDF: 975932.1/82

- sign 1112.385+/-0.155 χ^2/NDF: 288005.3/41



Right In: 11.713+/-344.312 χ^2/NDF: 15.5/16

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

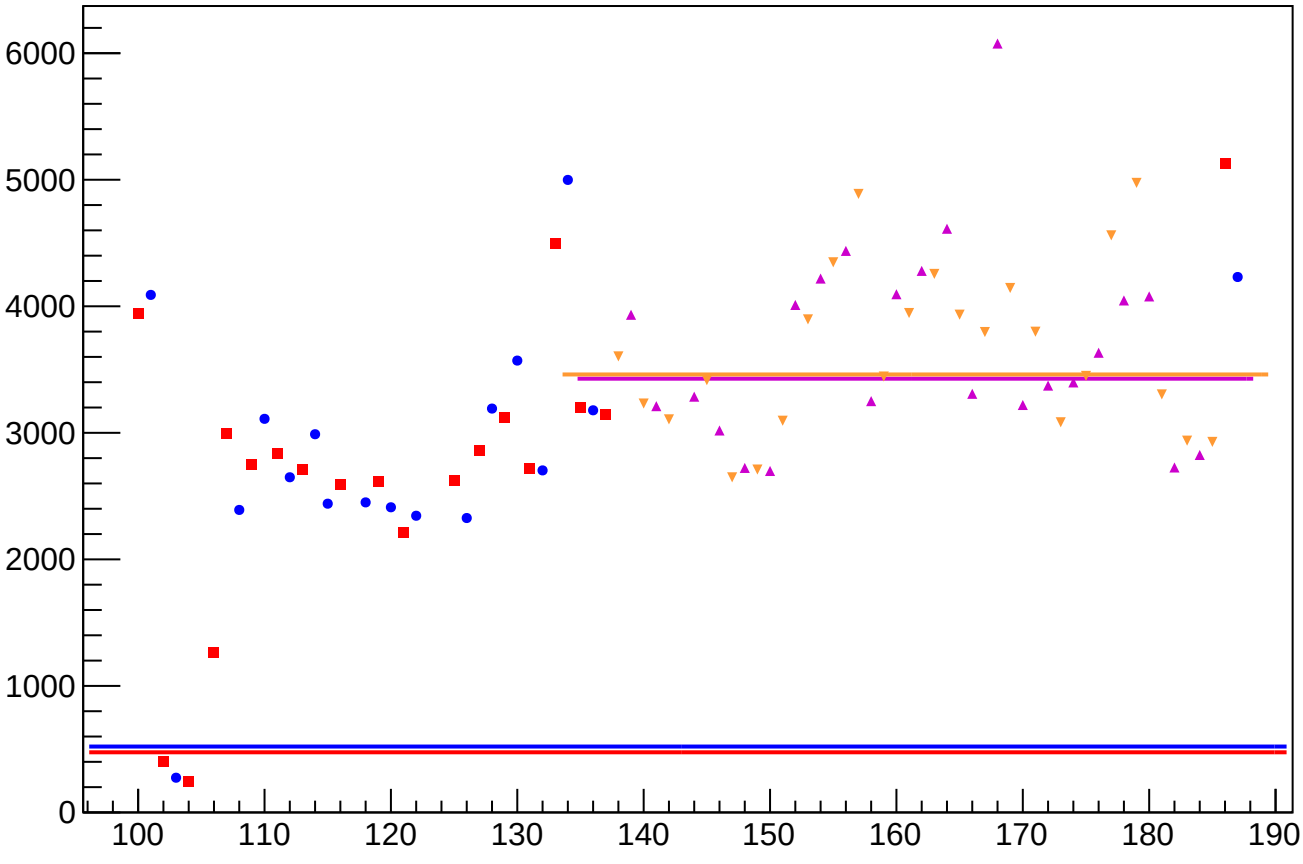
Right Out: 125.466+/-317.118 χ^2/NDF: 20.0/18

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 51.514+/-317.491 χ^2/NDF: 45.5/40

All: 75.687+/-216.362 χ^2/NDF: 79.2/82

- sign 96.647+/-295.639 χ^2/NDF: 33.7/41



Right In: 520.891+/-0.243 χ^2/NDF: 10122276.7/16

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 475.384+/-0.224 χ^2/NDF: 9788624.6/18

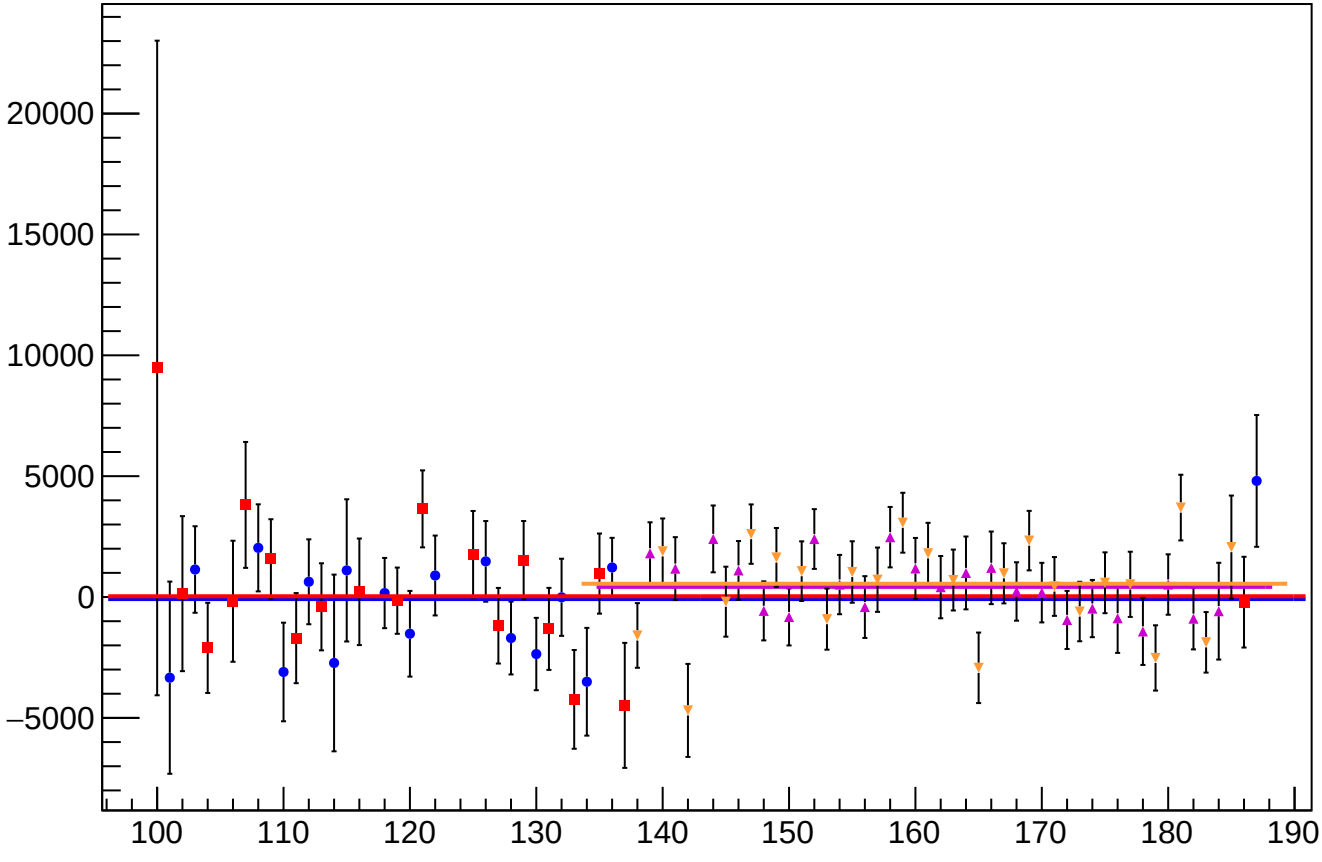
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 961.148+/-0.225 χ^2/NDF: 33019967.8/40

All: 907.926+/-0.153 χ^2/NDF: 66845161.2/82

- sign 861.778+/-0.209 χ^2/NDF: 33720260.2/41

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -84.192+/-436.961 χ^2/NDF: 17.6/16

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: 31.720+/-435.046 χ^2/NDF: 21.7/18

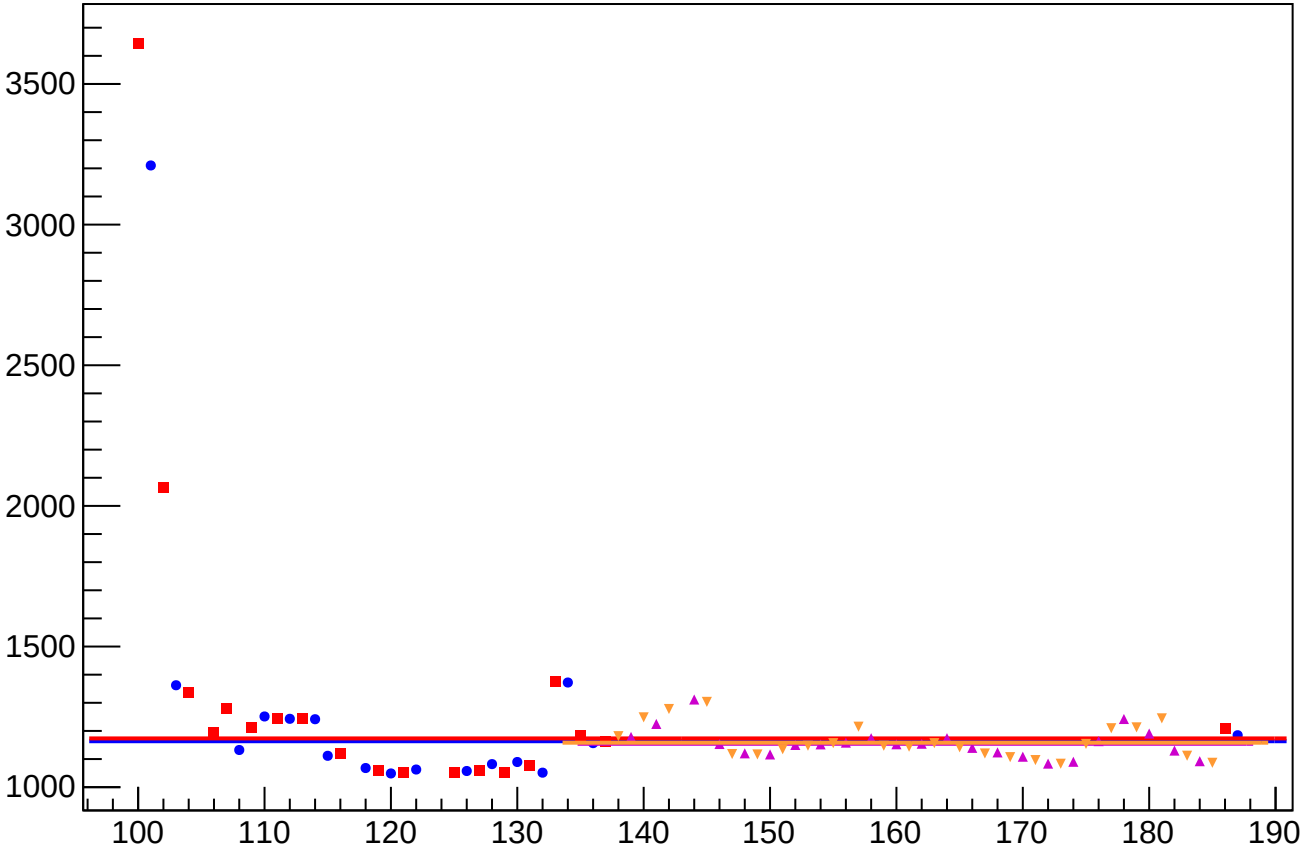
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

\+ sign 375.991+/-229.200 χ^2/NDF: 64.4/40

All: 344.447+/-162.103 χ^2/NDF: 104.7/82

\- sign 312.877+/-229.296 χ^2/NDF: 40.2/41

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1163.413+/-0.309 χ^2/NDF: 635478.5/16

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

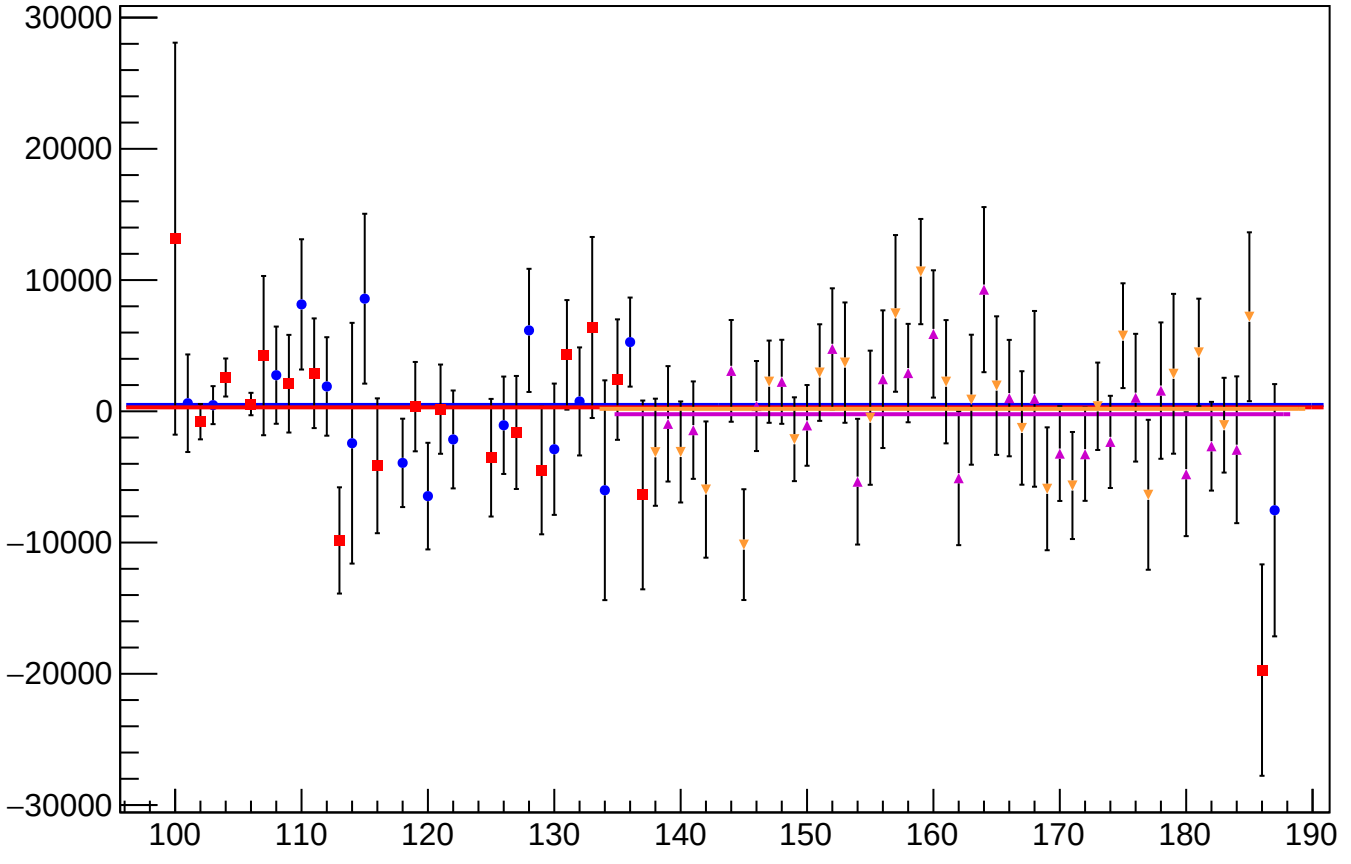
Right Out: 1173.364+/-0.307 χ^2/NDF: 332345.7/18

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1159.617+/-0.162 χ^2/NDF: 719798.4/40

All: 1159.583+/-0.115 χ^2/NDF: 1121417.0/82

- sign 1159.549+/-0.162 χ^2/NDF: 401618.5/41



Right In: 486.146+/-870.534 χ^2/NDF: 15.1/16

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

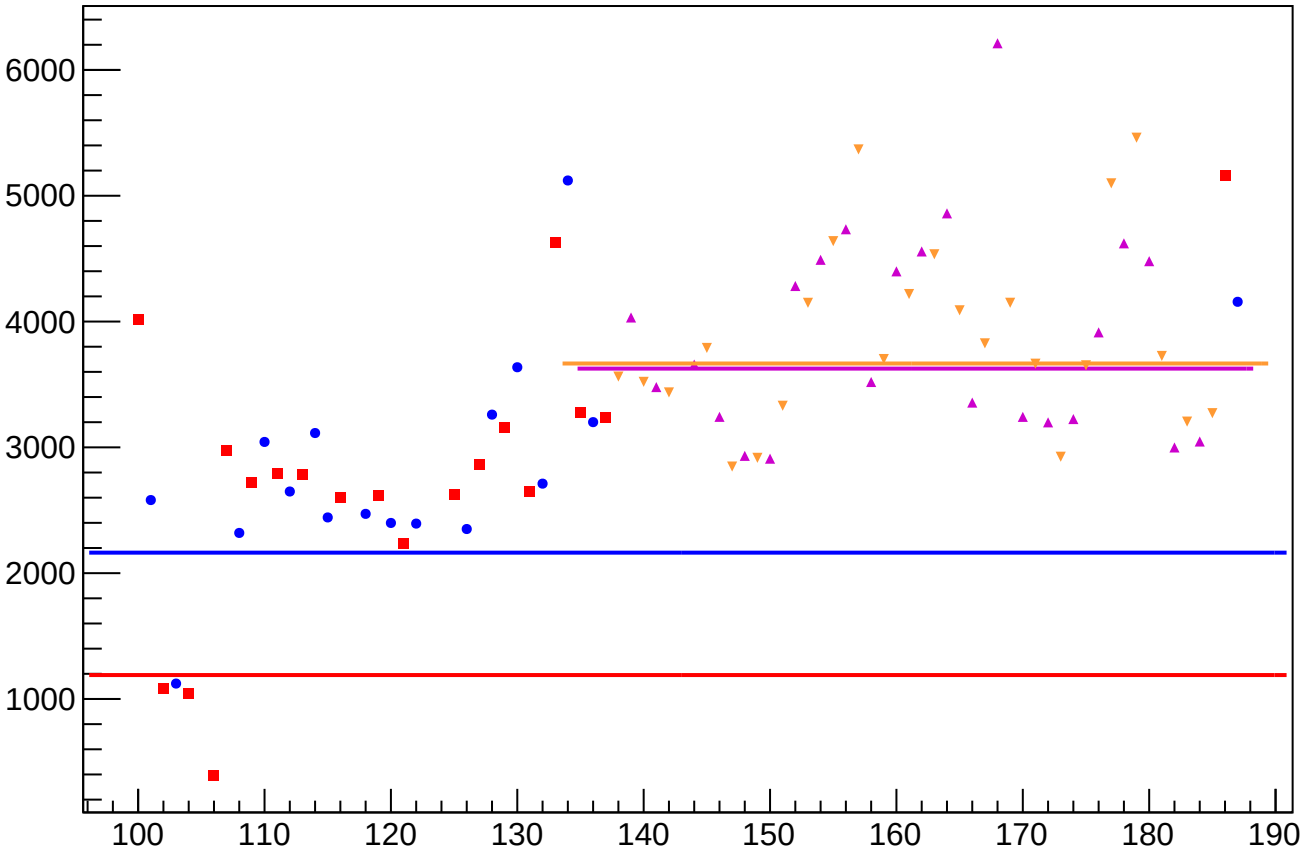
Right Out: 301.625+/-564.479 χ^2/NDF: 22.9/18

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 337.753+/-615.171 χ^2/NDF: 44.4/40

All: 216.789+/-374.818 χ^2/NDF: 81.0/82

- sign 145.369+/-472.690 χ^2/NDF: 36.5/41



Right In: 2163.111+/-0.616 χ^2/NDF: 2061521.9/16

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

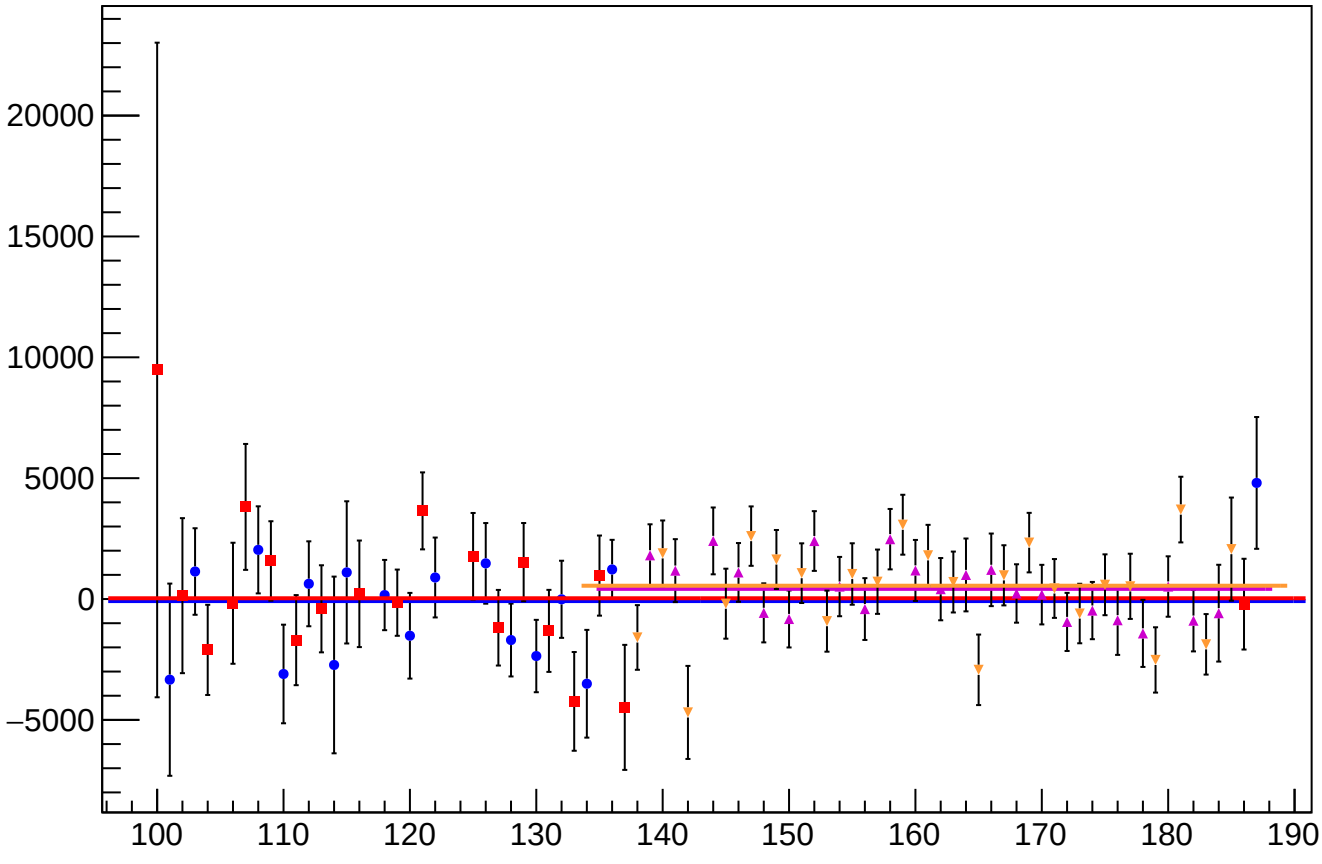
Right Out: 1190.166+/-0.399 χ^2/NDF: 6305631.4/18

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 2915.776+/-0.435 χ^2/NDF: 6143706.4/40

All: 2288.358+/-0.265 χ^2/NDF: 28142404.8/8

- sign 1917.918+/-0.334 χ^2/NDF: 18689946.2/41



Right In: -84.195+/-436.961 χ^2/NDF: 17.6/16

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 31.727+/-435.046 χ^2/NDF: 21.7/18

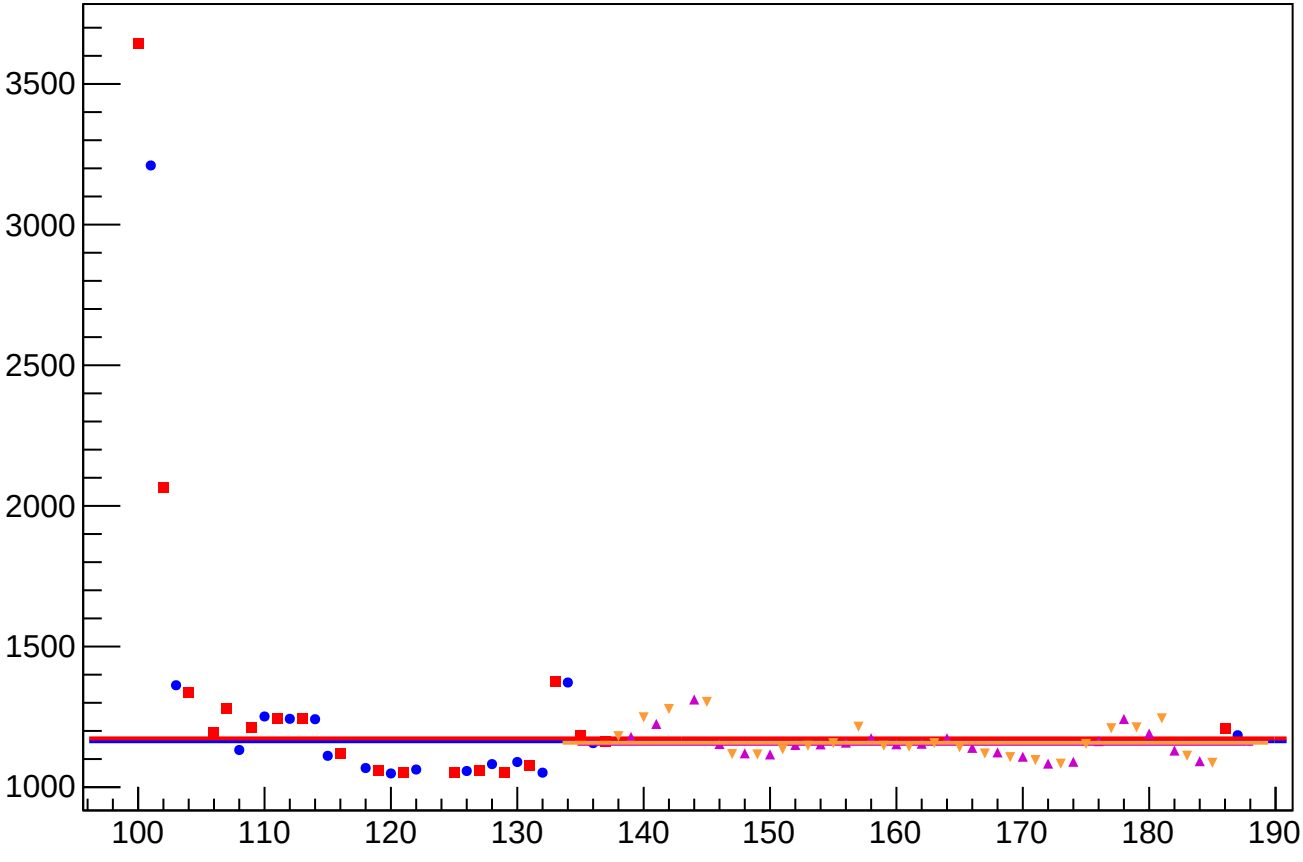
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

\+ sign 375.992+/-229.200 χ^2/NDF: 64.4/40

All: 344.448+/-162.103 χ^2/NDF: 104.7/82

\- sign 312.878+/-229.296 χ^2/NDF: 40.2/41

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1163.412+/-0.309 χ^2/NDF: 635478.7/16

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

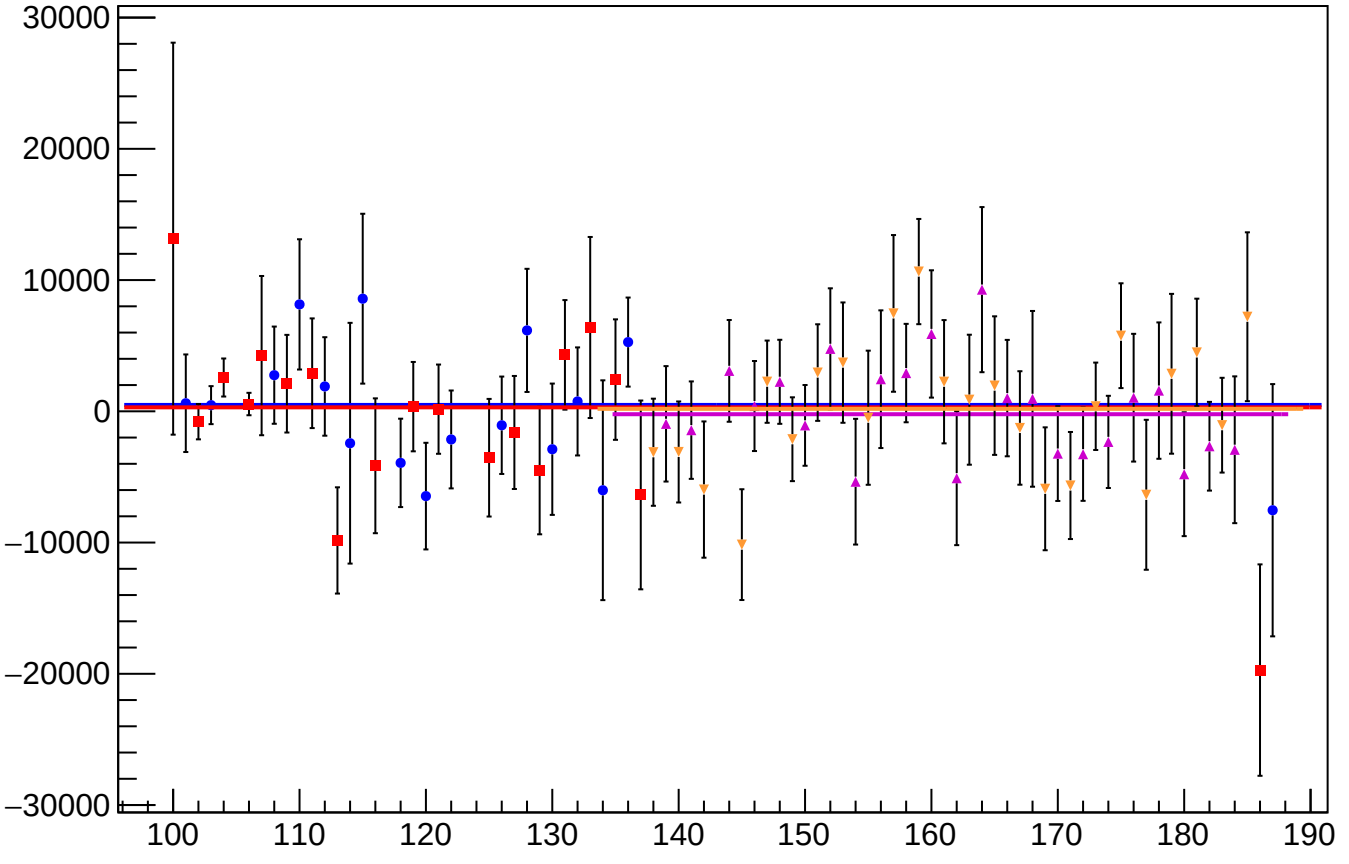
Right Out: 1173.364+/-0.307 χ^2/NDF: 332345.3/18

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1159.618+/-0.162 χ^2/NDF: 719801.0/40

All: 1159.584+/-0.115 χ^2/NDF: 1121421.3/82

- sign 1159.550+/-0.162 χ^2/NDF: 401620.2/41



Right In: 486.139+/-870.533 χ^2/NDF: 15.1/16

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

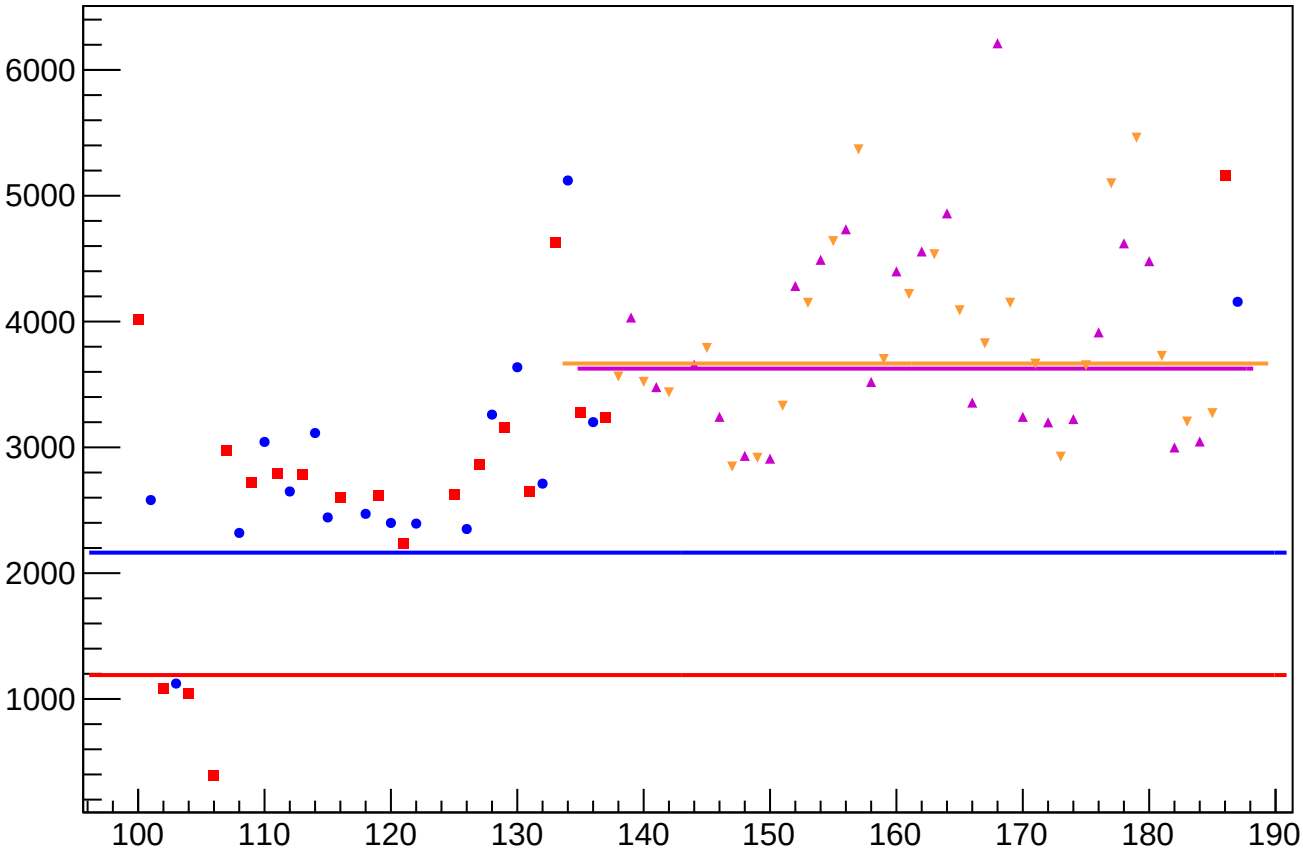
Right Out: 301.629+/-564.473 χ^2/NDF: 22.9/18

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 337.750+/-615.171 χ^2/NDF: 44.4/40

All: 216.790+/-374.816 χ^2/NDF: 81.0/82

- sign 145.374+/-472.686 χ^2/NDF: 36.5/41



Right In: 2163.108+/-0.616 χ^2/NDF: 2061518.3/16

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1190.142+/-0.399 χ^2/NDF: 6305763.1/18

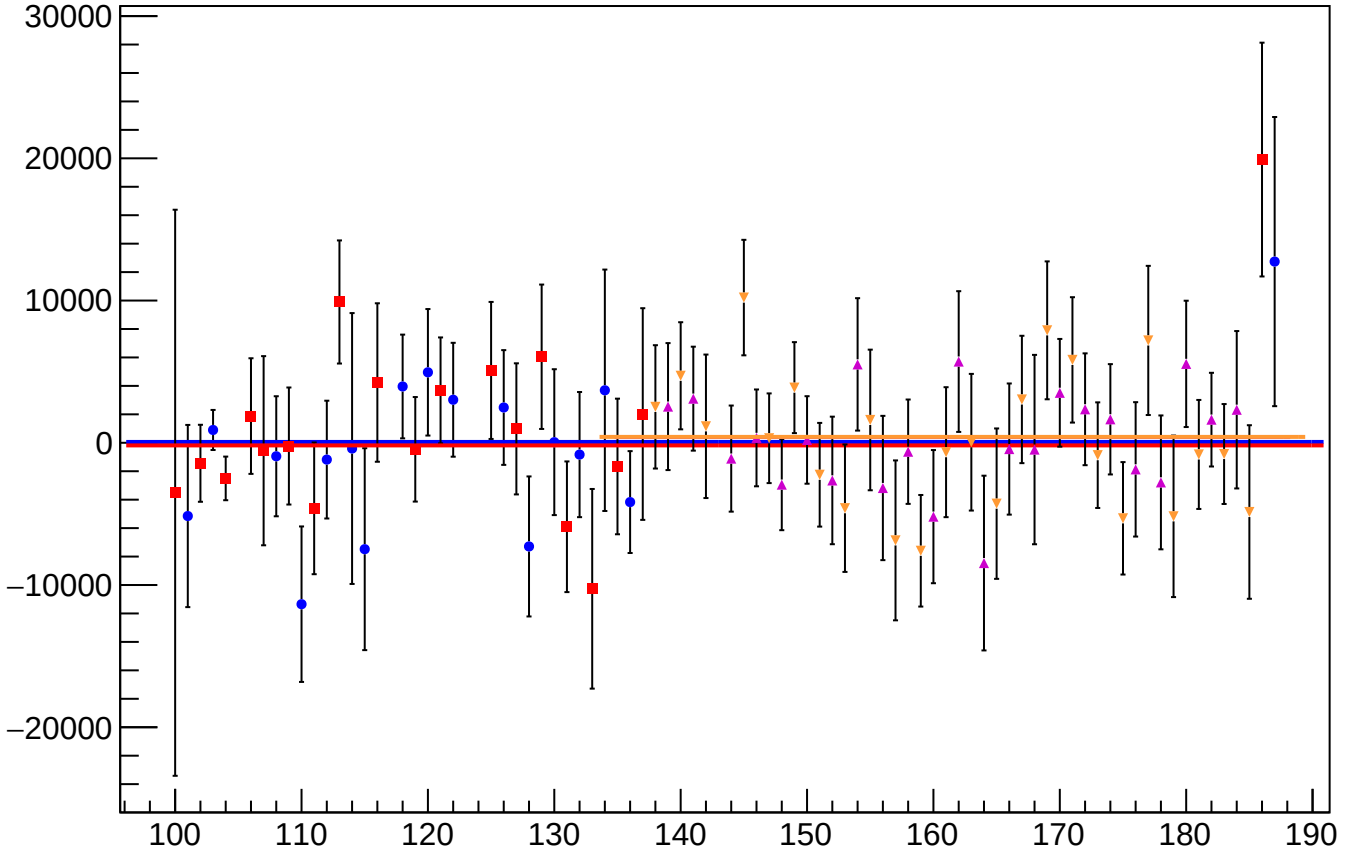
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 2915.775+/-0.435 χ^2/NDF: 6143739.4/40

All: 2288.336+/-0.265 χ^2/NDF: 28143092.5/8

- sign 1917.889+/-0.334 χ^2/NDF: 18690398.9/41

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 59.159+/-916.982 χ^2/NDF: 15.3/16

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -184.231+/-891.445 χ^2/NDF: 23.4/18

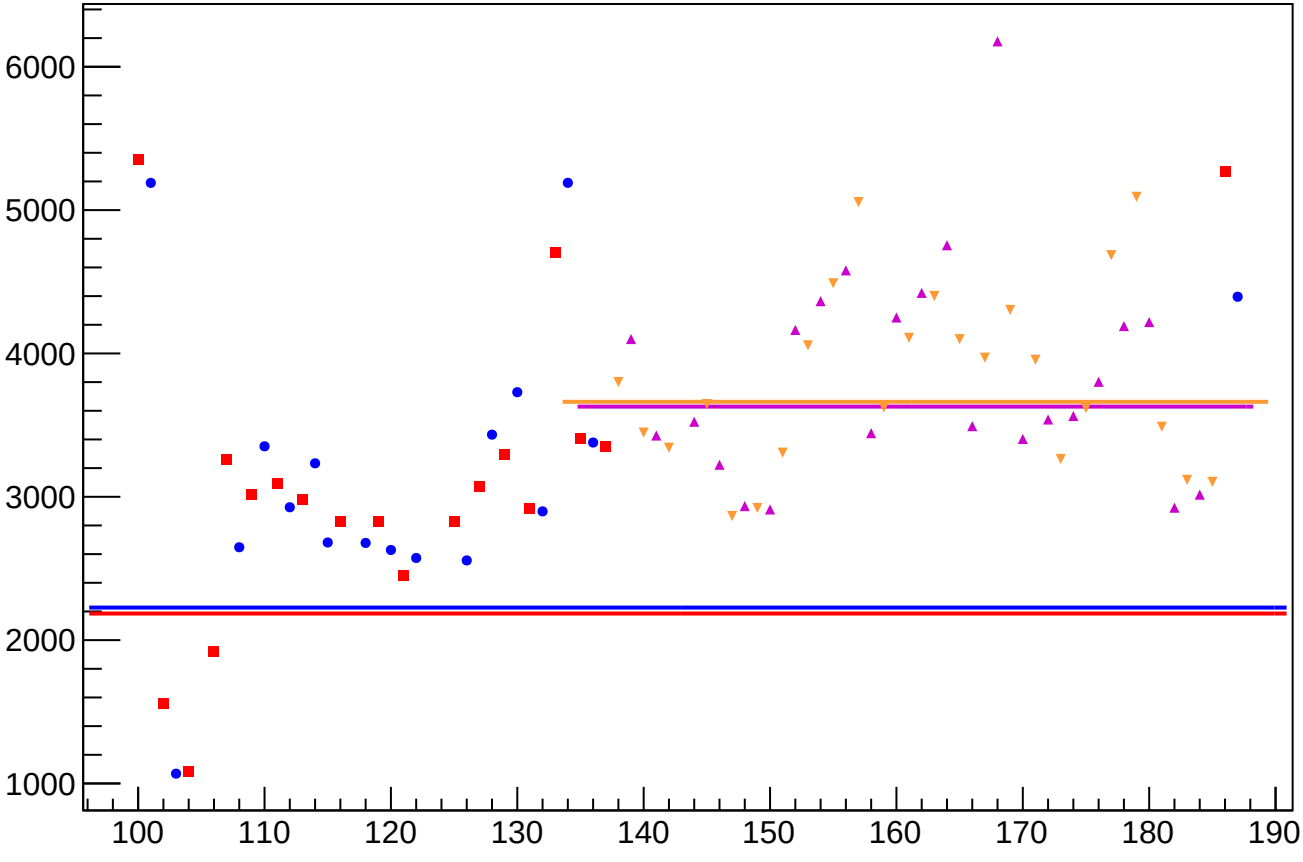
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 246.587+/-629.350 χ^2/NDF: 42.6/40

All: 182.012+/-441.616 χ^2/NDF: 78.5/82

- sign 119.375+/-619.837 χ^2/NDF: 35.9/41

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2227.139+/-0.648 χ^2/NDF: 2928630.2/16

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

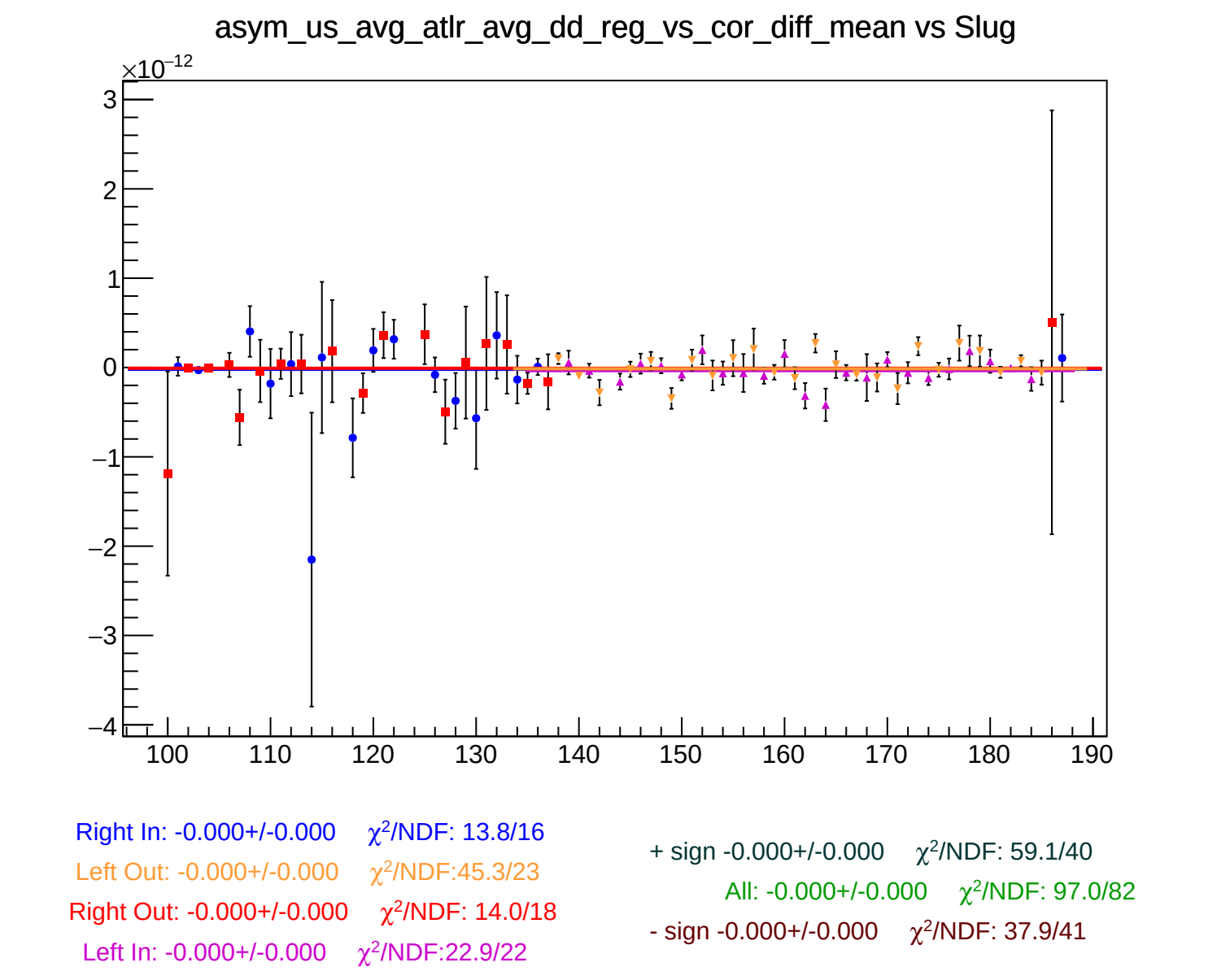
Right Out: 2185.493+/-0.629 χ^2/NDF: 2554698.8/18

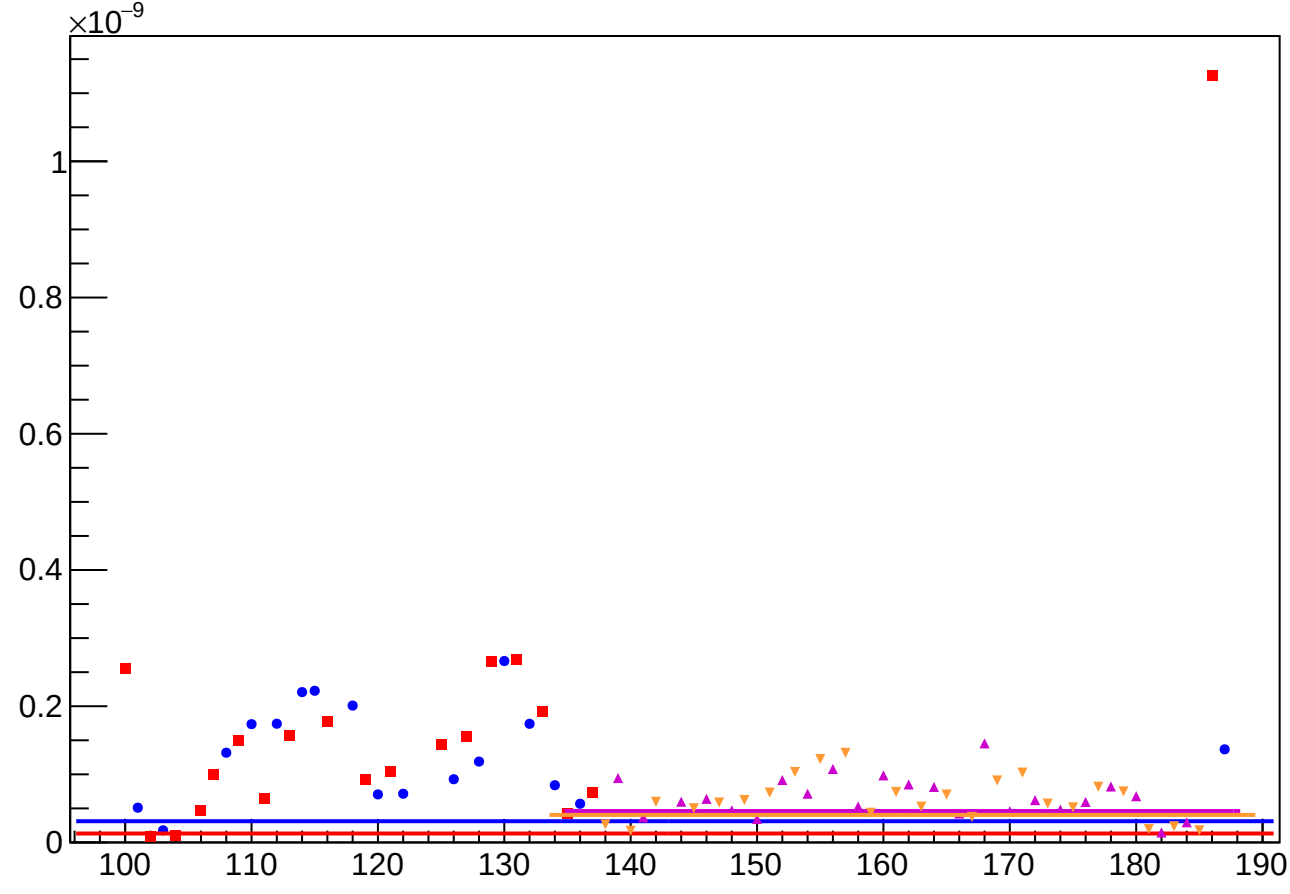
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 2986.464+/-0.445 χ^2/NDF: 6414777.1/40

All: 2957.517+/-0.312 χ^2/NDF: 12748875.8/8

- sign 2929.502+/-0.438 χ^2/NDF: 6325772.6/41


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.8/16
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 14.0/18
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 59.1/40
All: -0.000+/-0.000 χ²/NDF: 97.0/82
- sign -0.000+/-0.000 χ²/NDF: 37.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 3092386.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

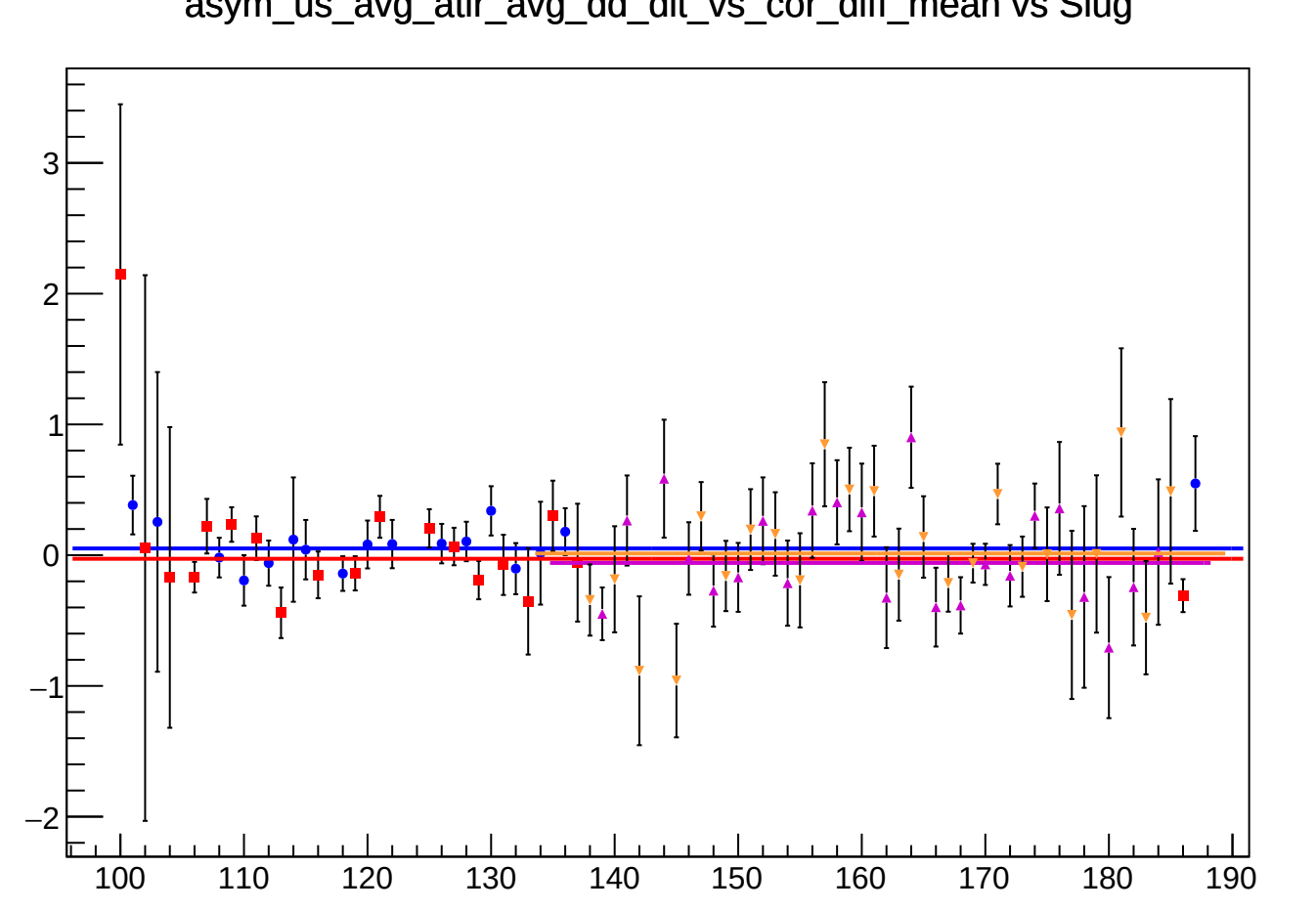
Right Out: 0.000+/-0.000 χ^2/NDF: 4099330.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6696512.5/40

All: 0.000+/-0.000 χ^2/NDF: 18059770.6/82

- sign 0.000+/-0.000 χ^2/NDF: 10527735.9/41



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

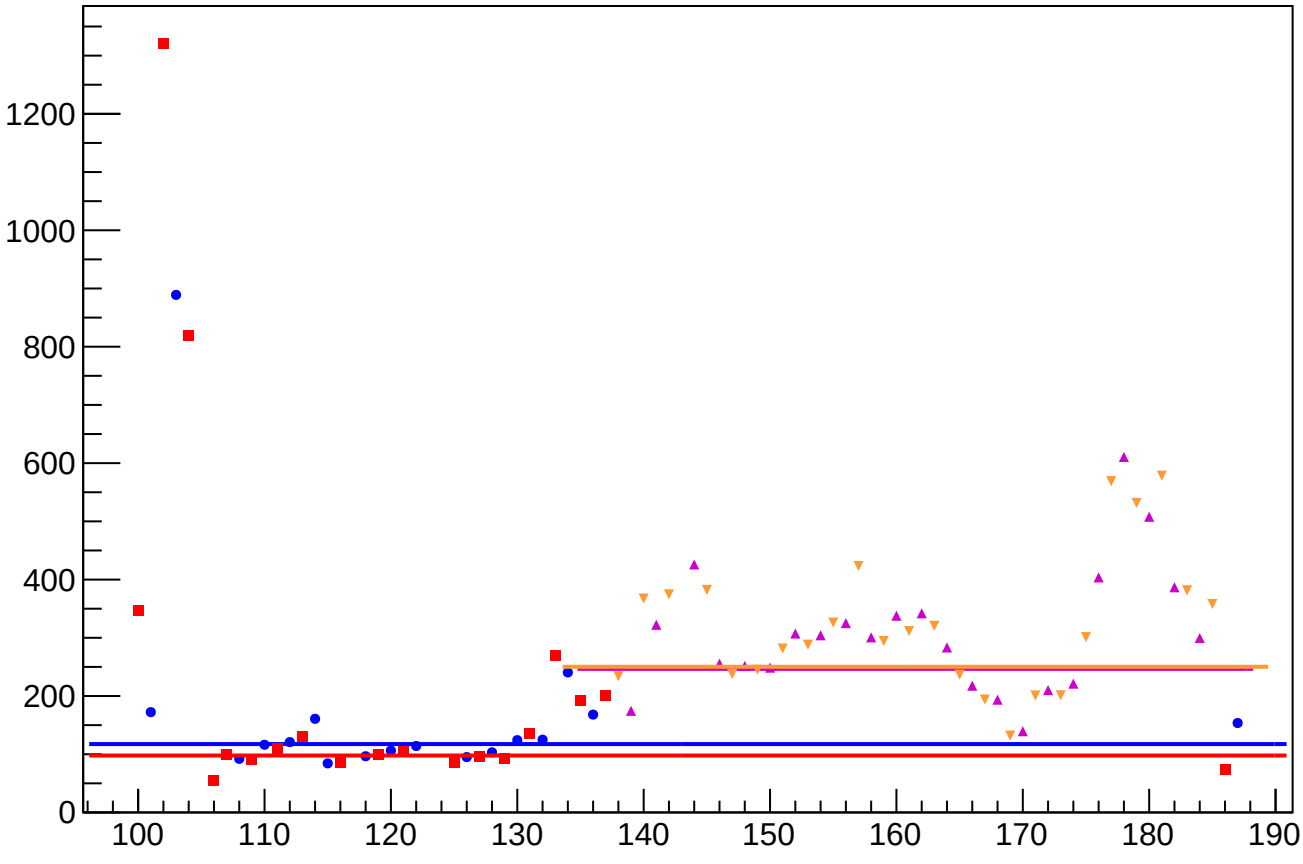
Right Out: -0.028+/-0.041 χ^2/NDF: 31.6/18

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.038+/-0.038 χ^2/NDF: 41.7/40

All: -0.004+/-0.025 χ^2/NDF: 103.7/82

- sign -0.037+/-0.034 χ^2/NDF: 59.8/41



Right In: 117.462+/-0.033 χ^2/NDF: 1641117.4/16

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

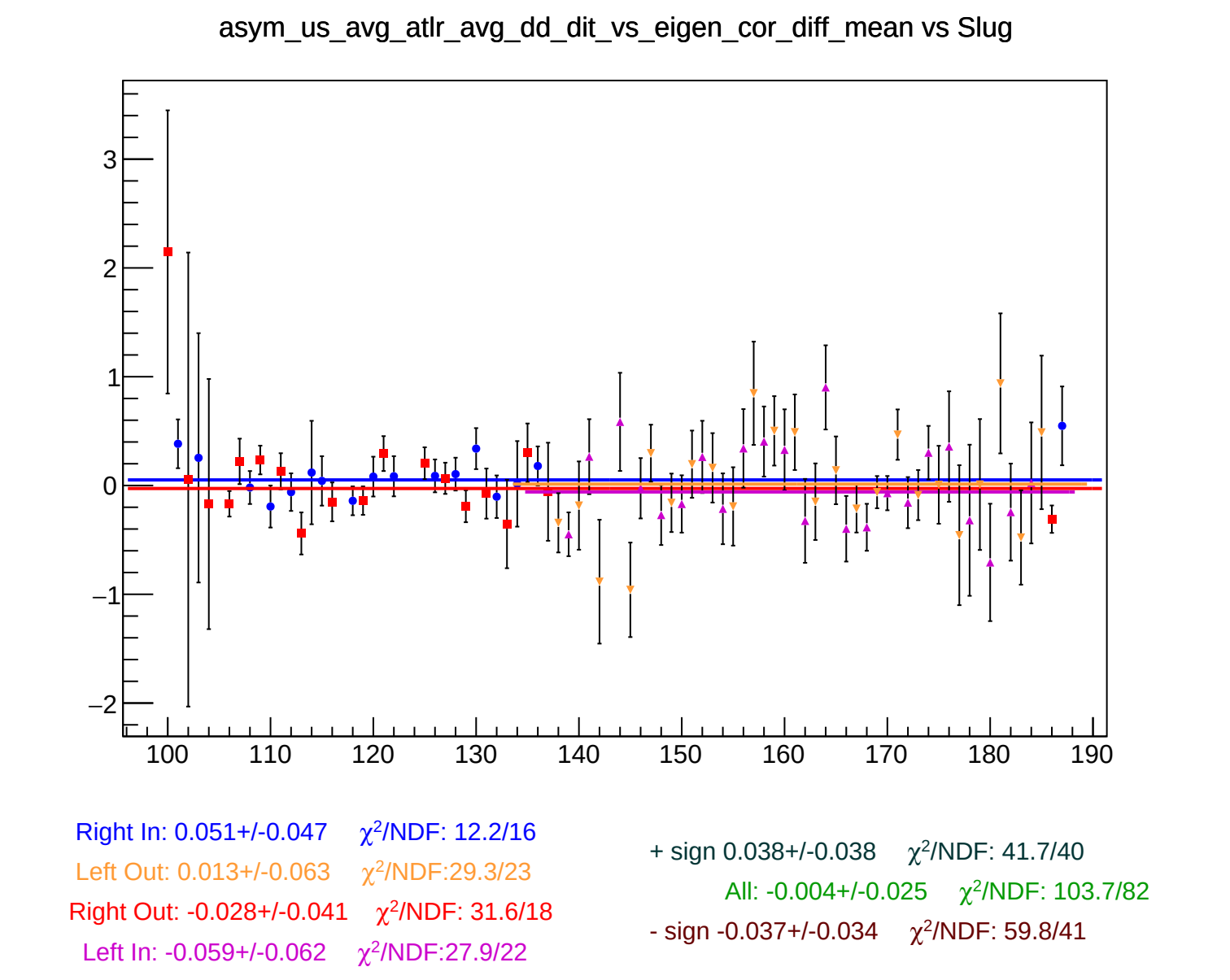
Right Out: 97.792+/-0.029 χ^2/NDF: 2739972.9/18

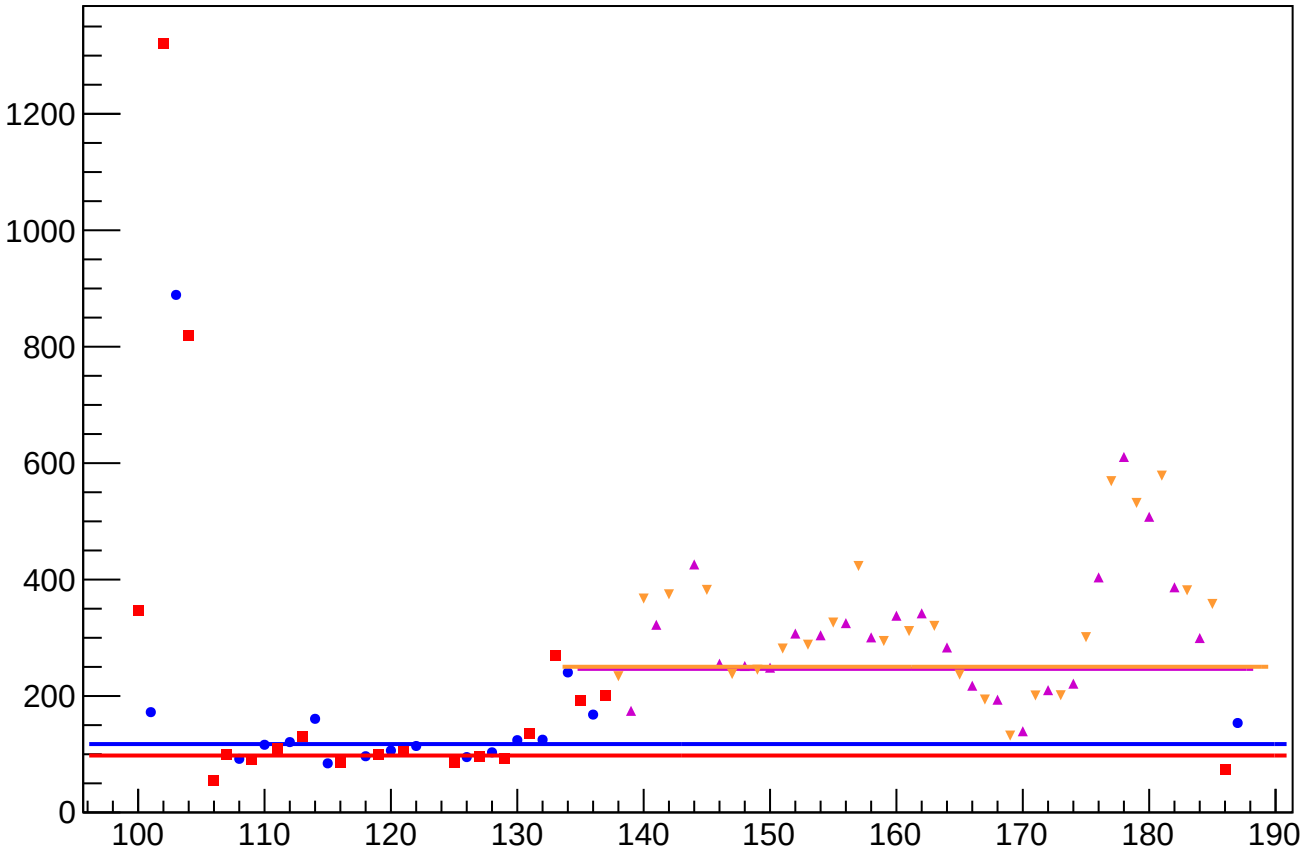
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 165.015+/-0.027 χ^2/NDF: 11695761.6/40

All: 152.989+/-0.018 χ^2/NDF: 26595071.0/82

- sign 143.090+/-0.024 χ^2/NDF: 14528386.0/41


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.051+/-0.047 χ²/NDF: 12.2/16
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.028+/-0.041 χ²/NDF: 31.6/18
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.038+/-0.038 χ²/NDF: 41.7/40
All: -0.004+/-0.025 χ²/NDF: 103.7/82
- sign -0.037+/-0.034 χ²/NDF: 59.8/41



Right In: 117.462+/-0.033 χ^2/NDF: 1641117.4/16

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

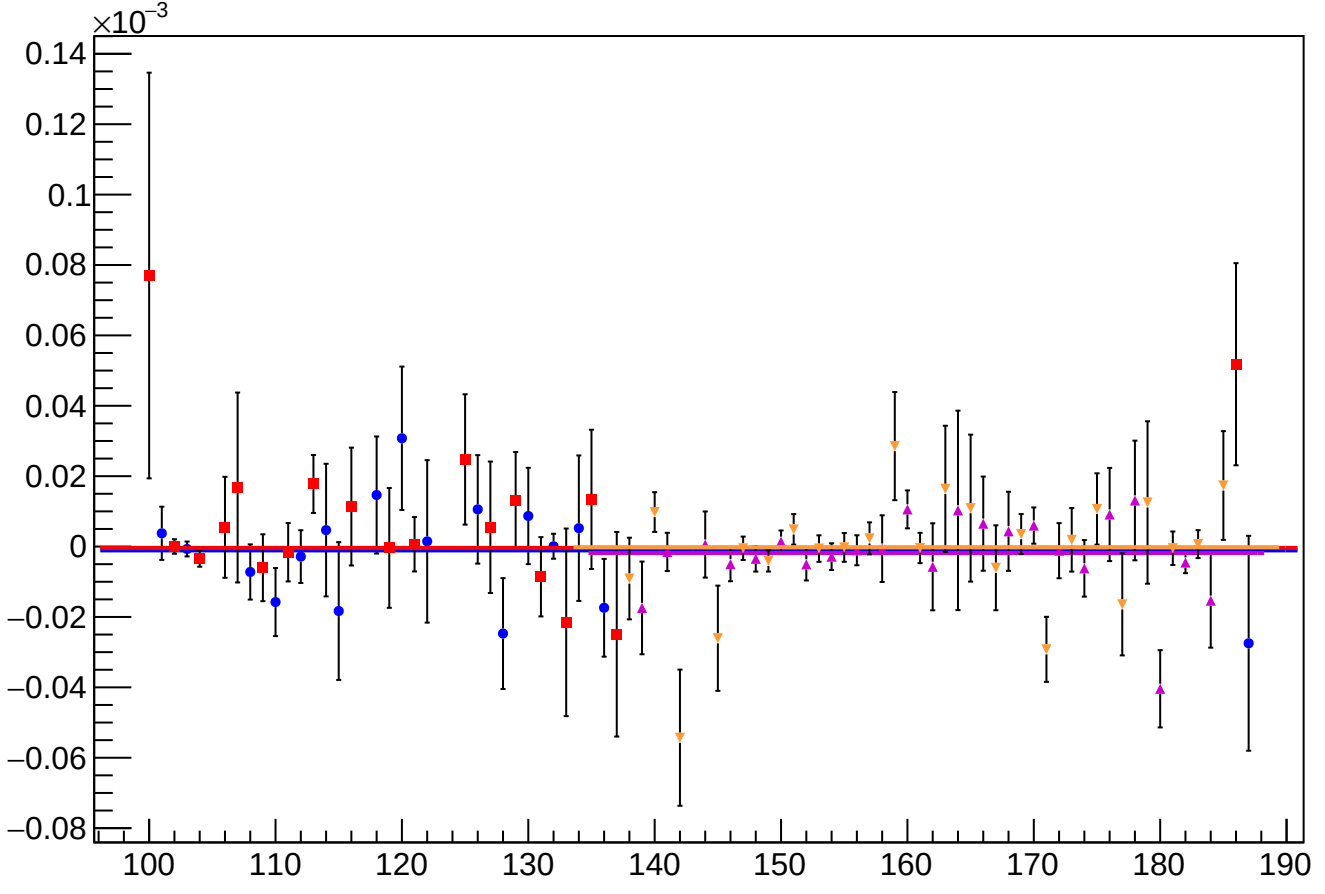
Right Out: 97.792+/-0.029 χ^2/NDF: 2739972.9/18

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 165.015+/-0.027 χ^2/NDF: 11695761.6/40

All: 152.989+/-0.018 χ^2/NDF: 26595071.0/82

- sign 143.090+/-0.024 χ^2/NDF: 14528386.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

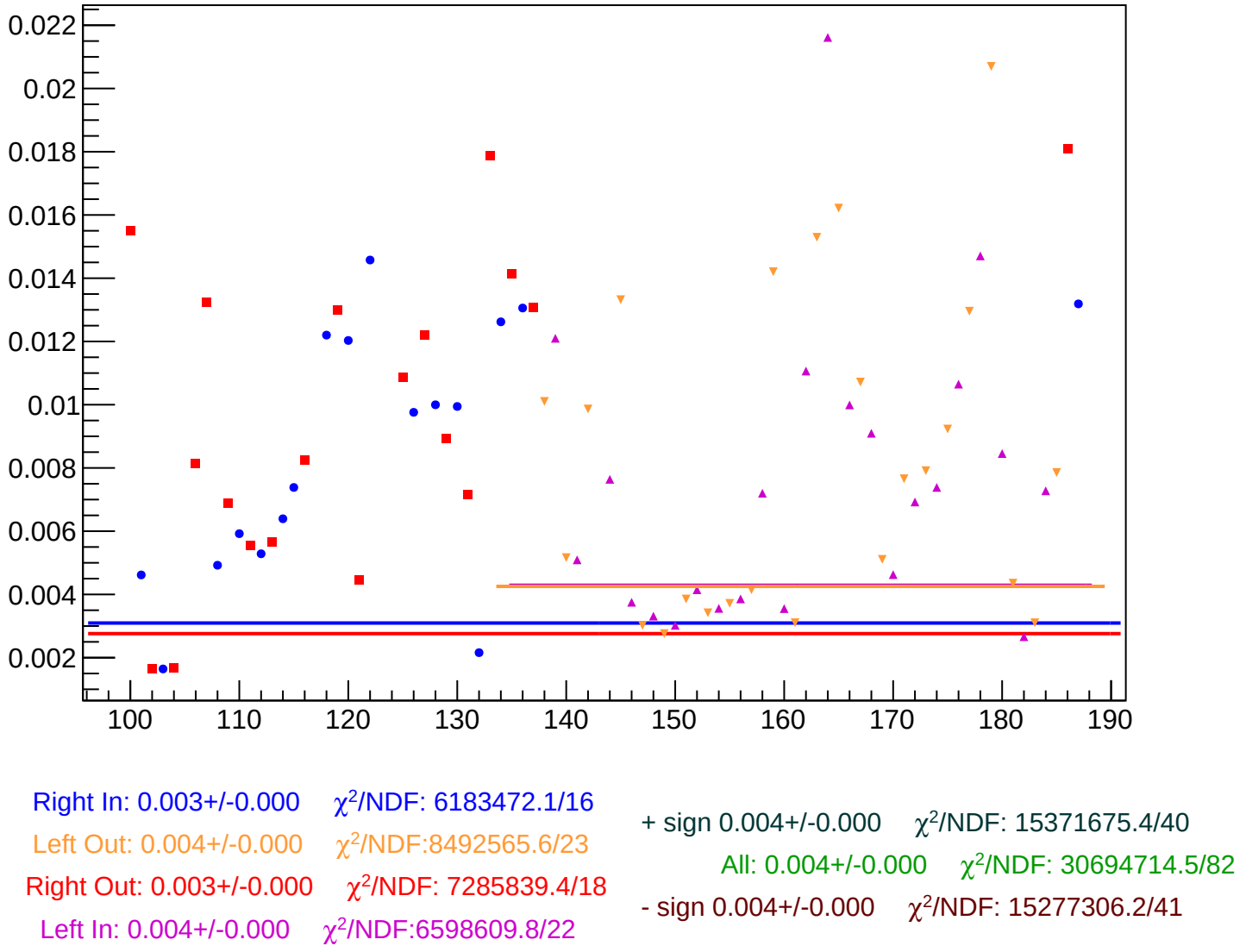
Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

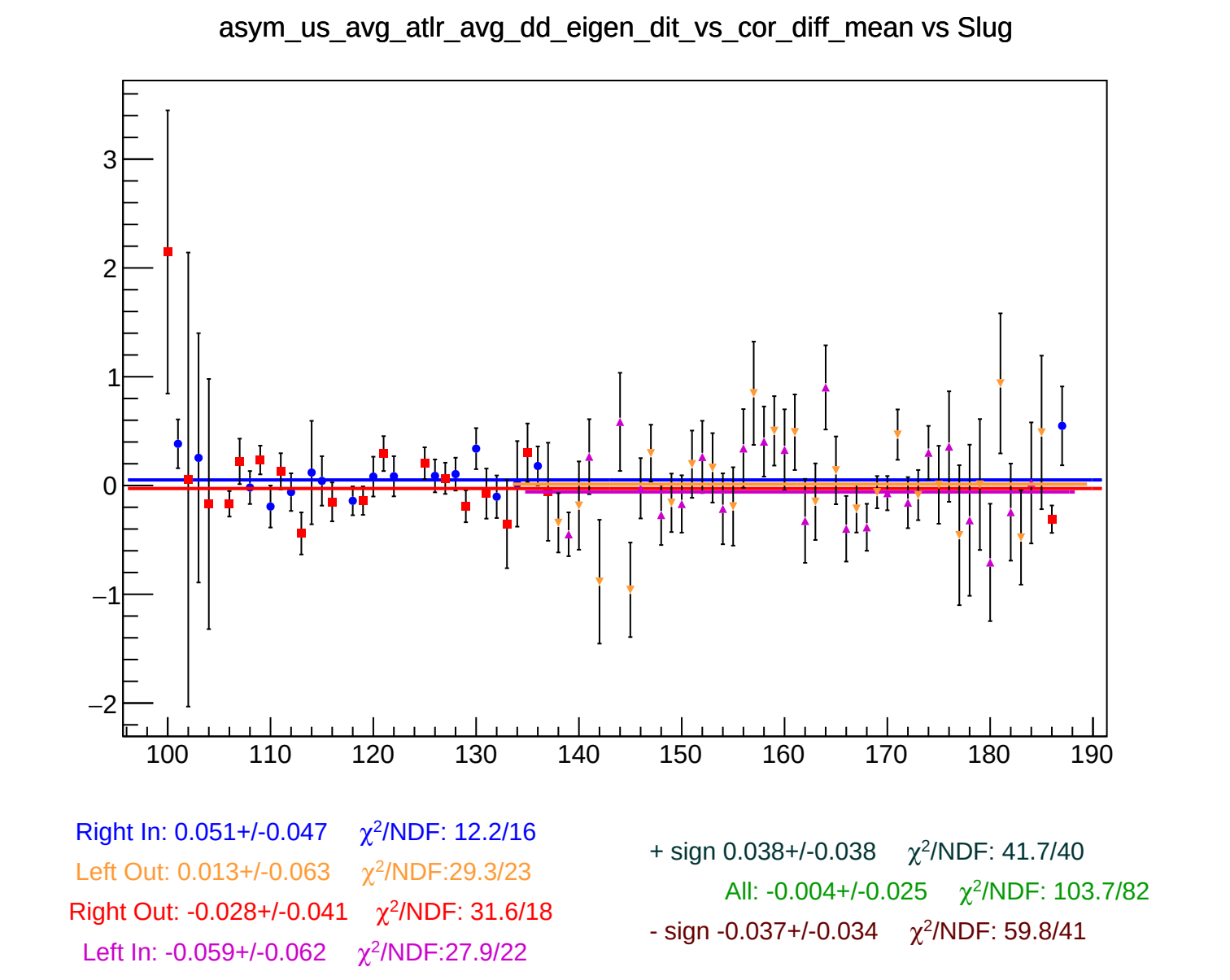
Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

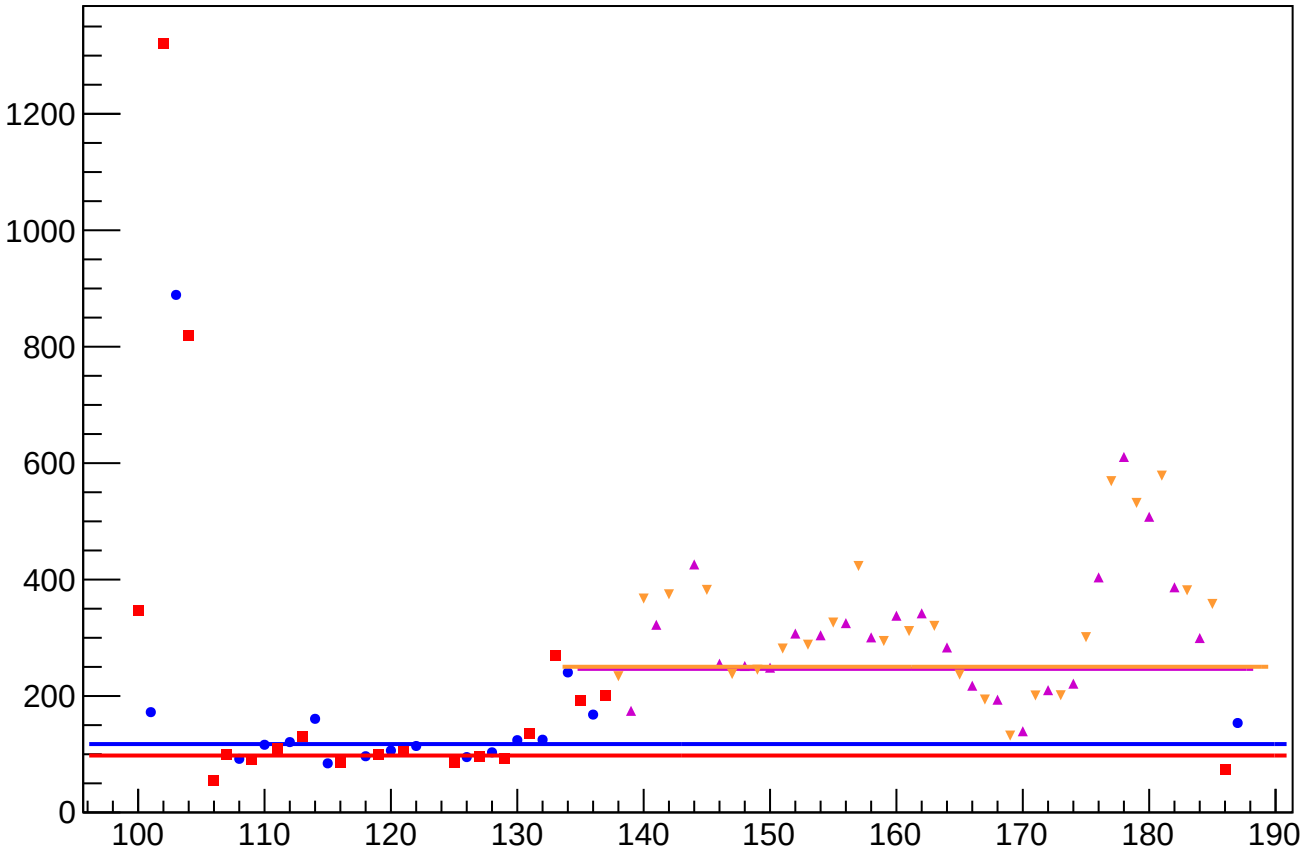
+ sign -0.000+/-0.000 χ^2/NDF: 50.7/40

All: -0.000+/-0.000 χ^2/NDF: 98.2/82

- sign -0.000+/-0.000 χ^2/NDF: 47.2/41


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 6183472.1/16
Left Out: 0.004+/-0.000 χ²/NDF:8492565.6/23
Right Out: 0.003+/-0.000 χ²/NDF: 7285839.4/18
Left In: 0.004+/-0.000 χ²/NDF:6598609.8/22
+ sign 0.004+/-0.000 χ²/NDF: 15371675.4/40
All: 0.004+/-0.000 χ²/NDF: 30694714.5/82
- sign 0.004+/-0.000 χ²/NDF: 15277306.2/41


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.051+/-0.047 χ²/NDF: 12.2/16
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.028+/-0.041 χ²/NDF: 31.6/18
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.038+/-0.038 χ²/NDF: 41.7/40
All: -0.004+/-0.025 χ²/NDF: 103.7/82
- sign -0.037+/-0.034 χ²/NDF: 59.8/41



Right In: 117.462+/-0.033 χ^2/NDF: 1641114.3/16

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

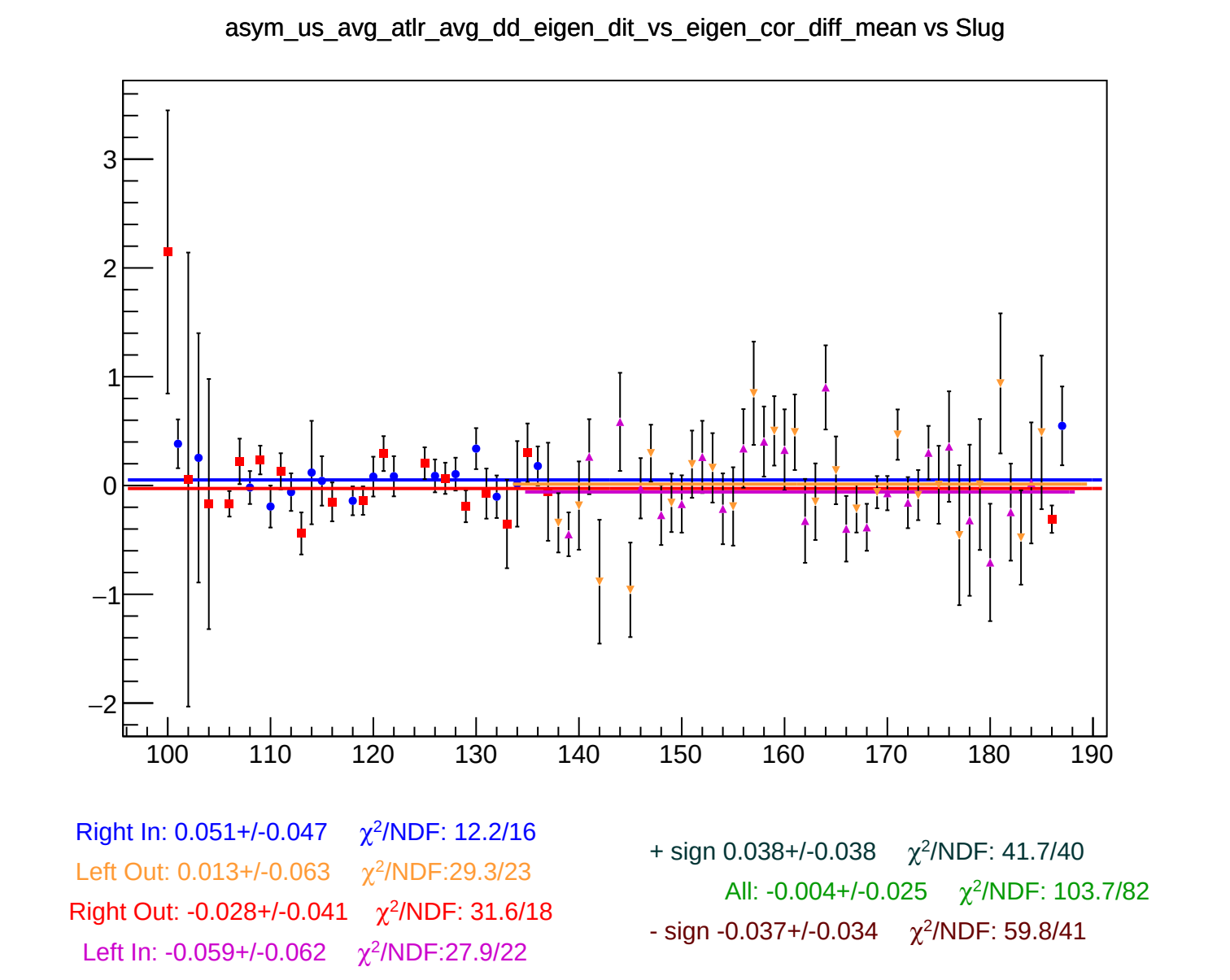
Right Out: 97.789+/-0.029 χ^2/NDF: 2740148.6/18

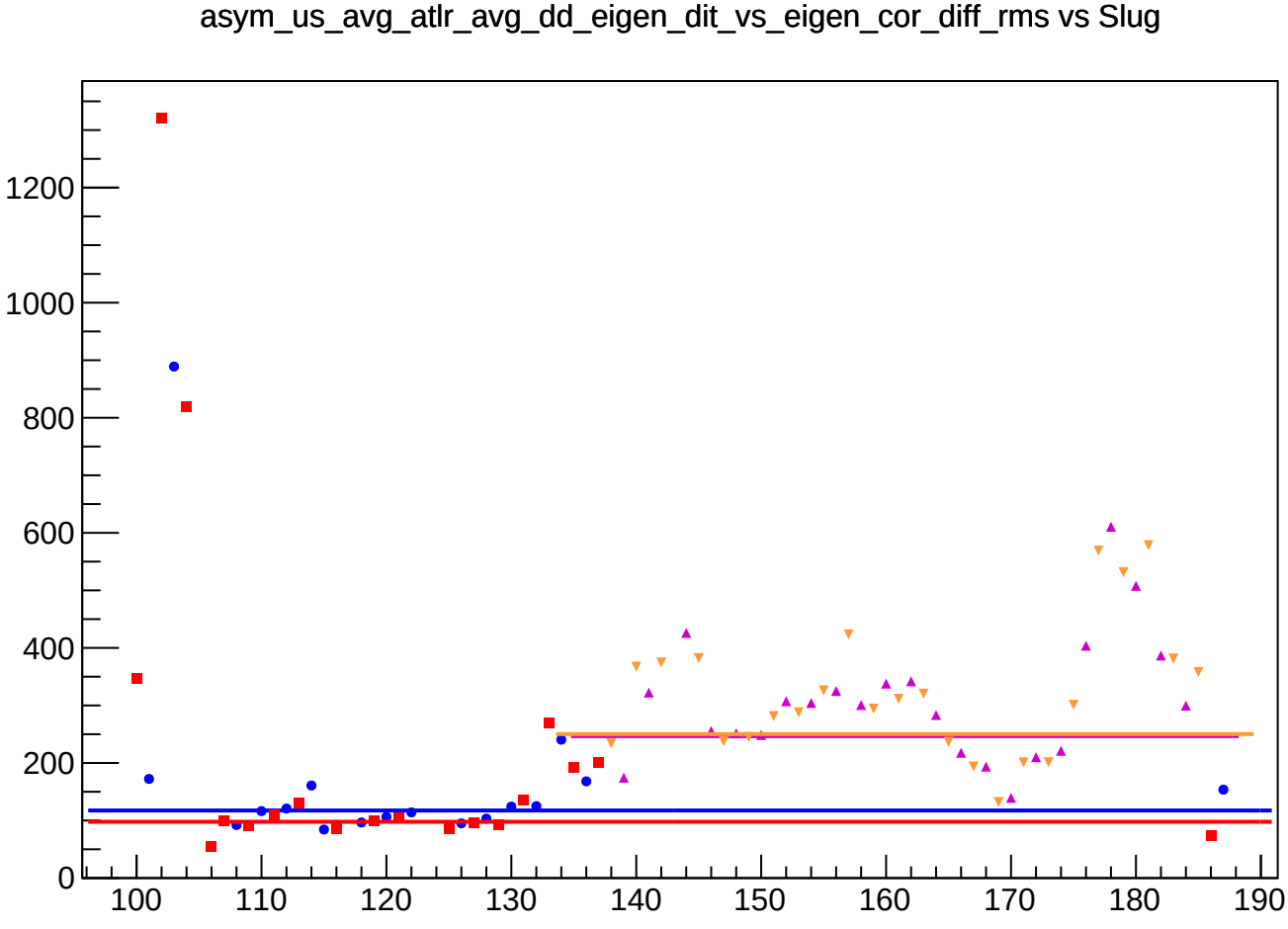
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 165.015+/-0.027 χ^2/NDF: 11695934.3/40

All: 152.987+/-0.018 χ^2/NDF: 26596117.0/82

- sign 143.086+/-0.024 χ^2/NDF: 14529145.5/41


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.051+/-0.047 χ²/NDF: 12.2/16
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: -0.028+/-0.041 χ²/NDF: 31.6/18
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.038+/-0.038 χ²/NDF: 41.7/40
All: -0.004+/-0.025 χ²/NDF: 103.7/82
- sign -0.037+/-0.034 χ²/NDF: 59.8/41



Right In: 117.462+/-0.033 χ^2/NDF: 1641114.3/16

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

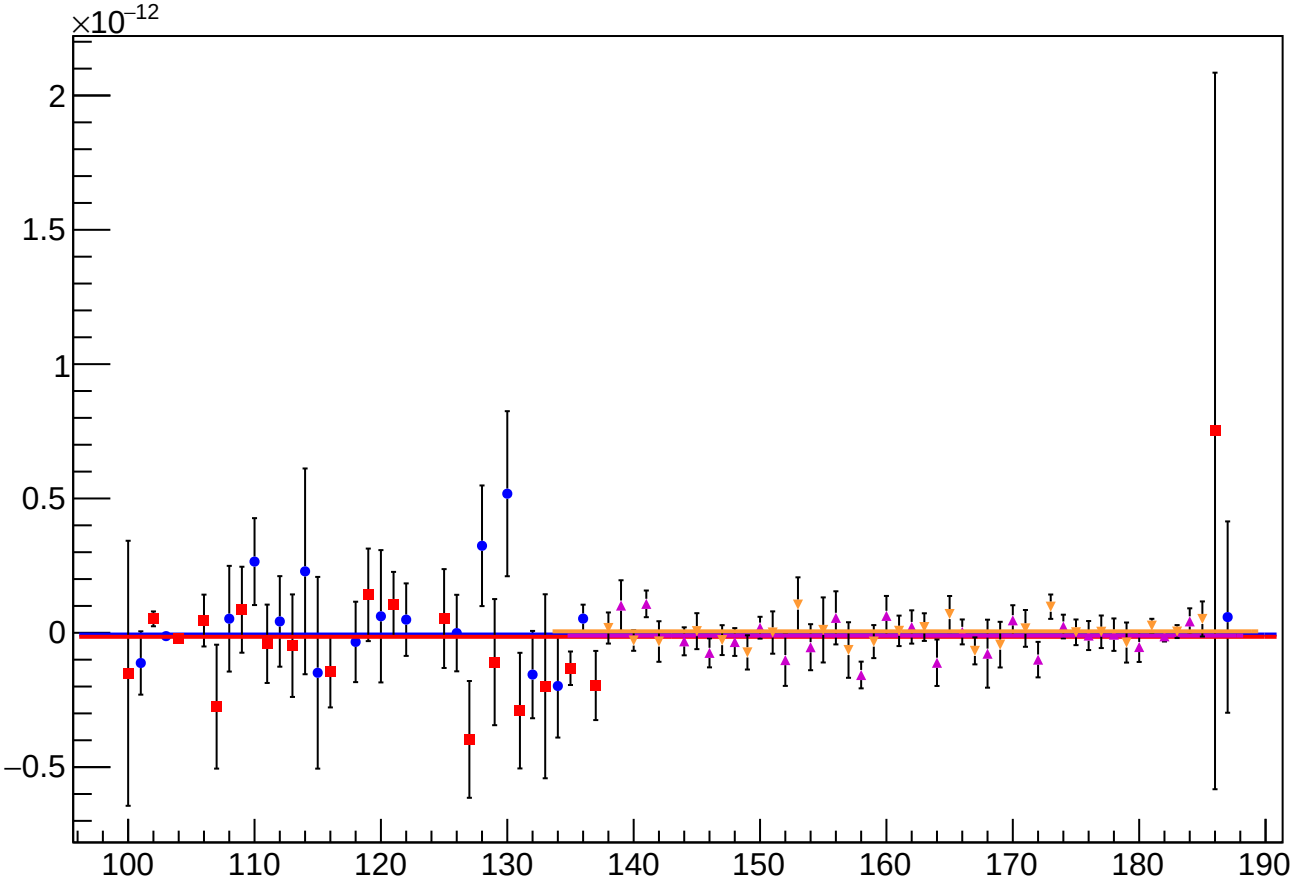
Right Out: 97.789+/-0.029 χ^2/NDF: 2740148.6/18

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 165.015+/-0.027 χ^2/NDF: 11695934.3/40

All: 152.987+/-0.018 χ^2/NDF: 26596117.0/82

- sign 143.086+/-0.024 χ^2/NDF: 14529145.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

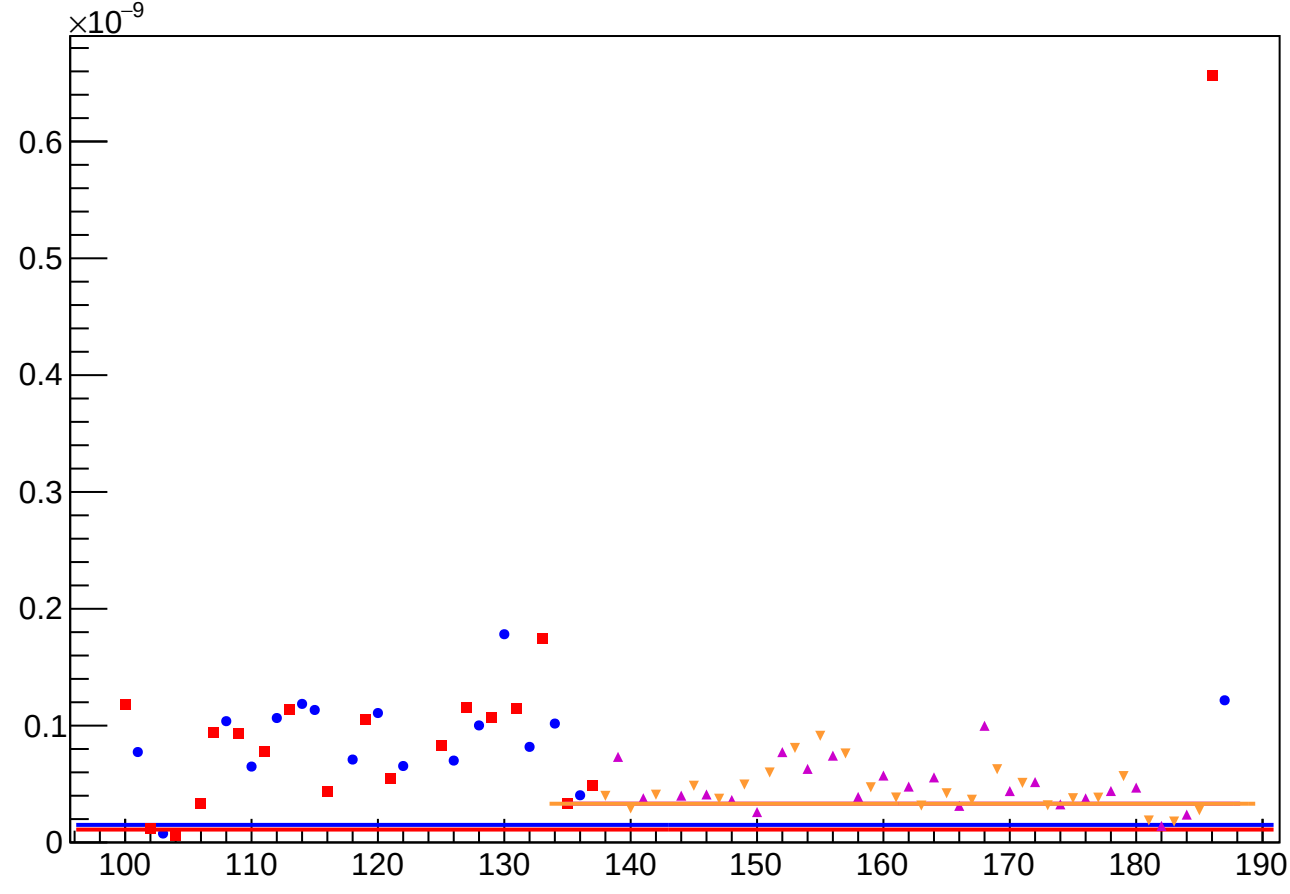
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/18

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.4/40

All: -0.000+/-0.000 χ^2/NDF: 79.2/82

- sign -0.000+/-0.000 χ^2/NDF: 50.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 6072639.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6335864.1/18

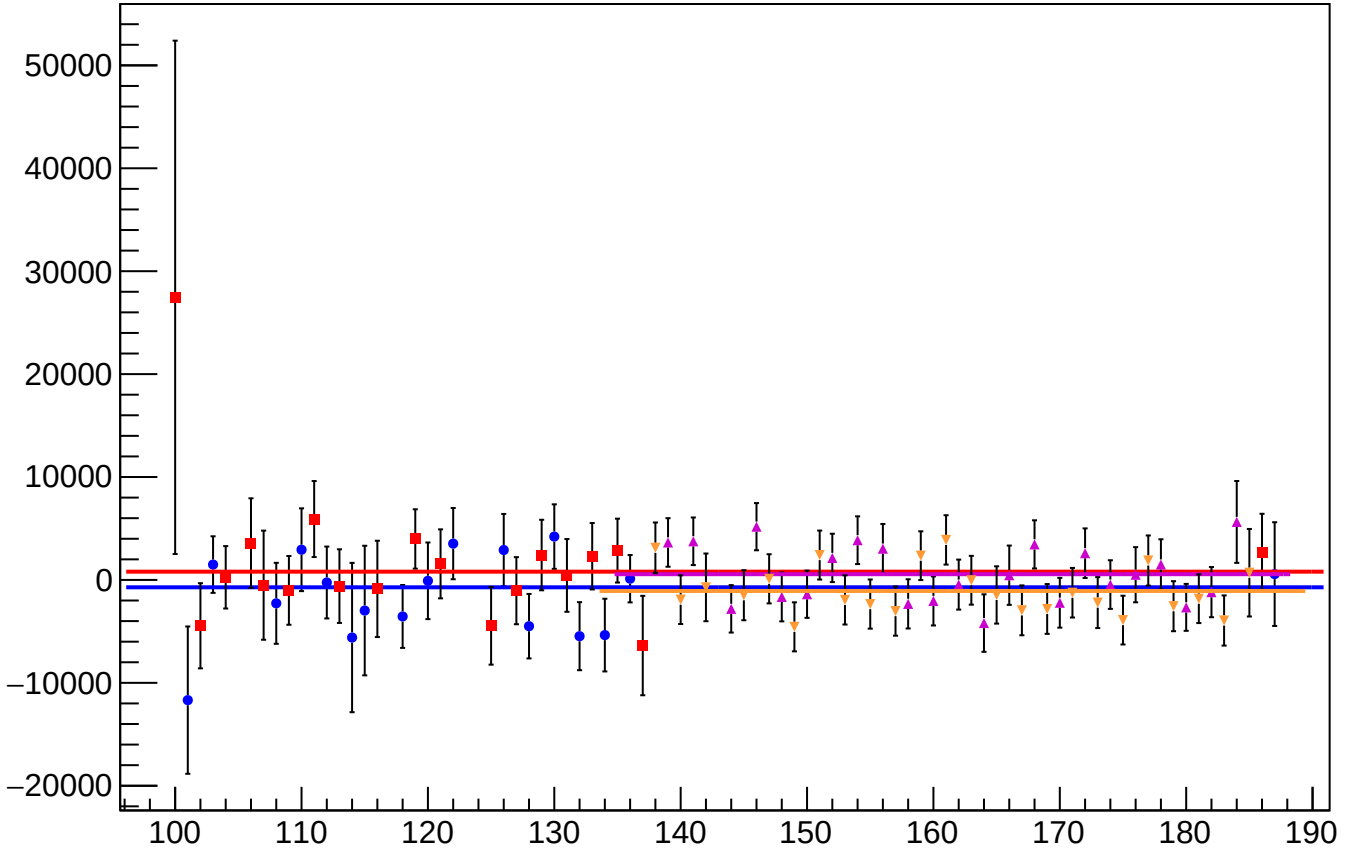
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12577920.9/40

All: 0.000+/-0.000 χ^2/NDF: 28981495.3/82

- sign 0.000+/-0.000 χ^2/NDF: 16102763.3/41

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -715.819+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 803.896+/-846.116 χ^2/NDF: 12.6/18

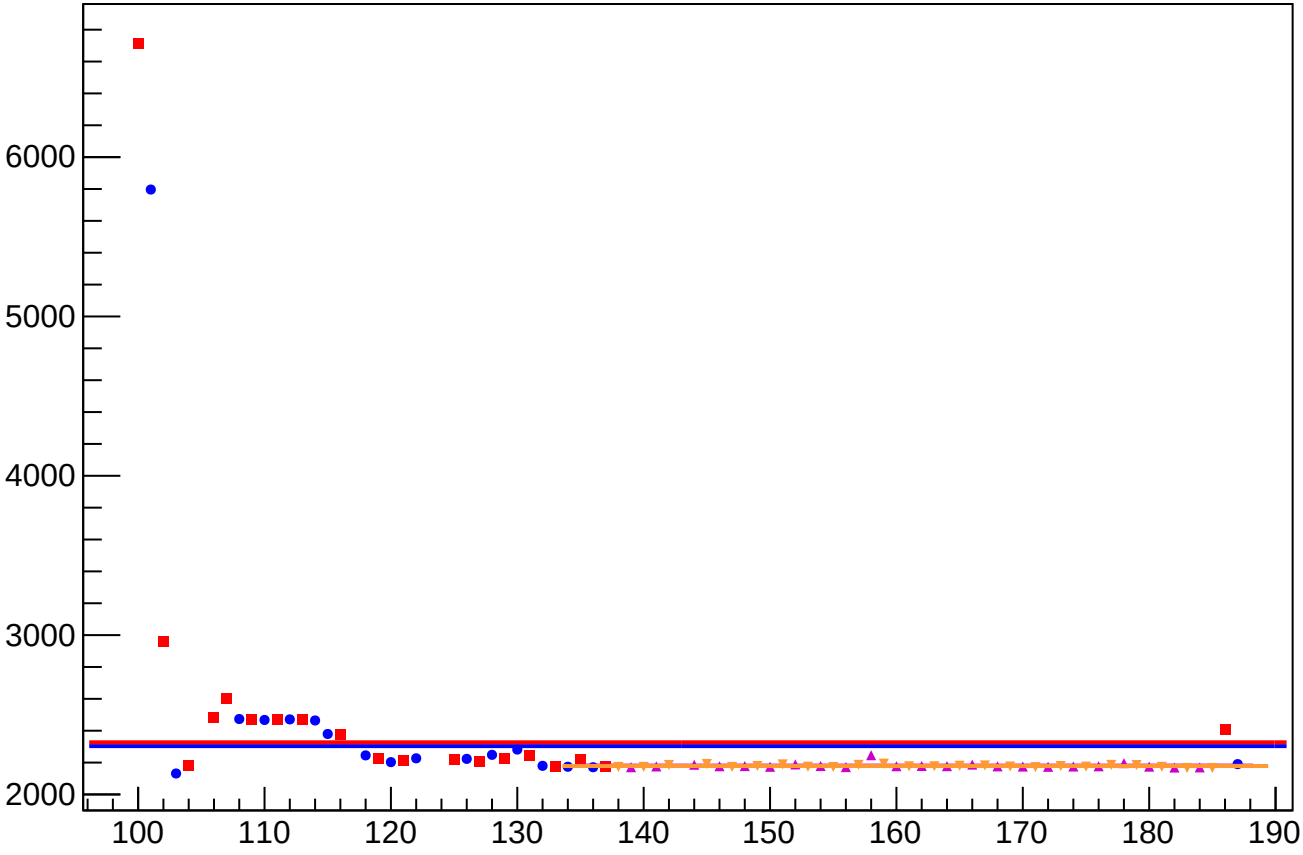
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -981.149+/-435.796 χ^2/NDF: 37.6/40

All: -180.144+/-308.329 χ^2/NDF: 85.8/82

- sign 622.685+/-436.292 χ^2/NDF: 41.4/41

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2303.259+/-0.608 χ^2/NDF: 515183.3/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

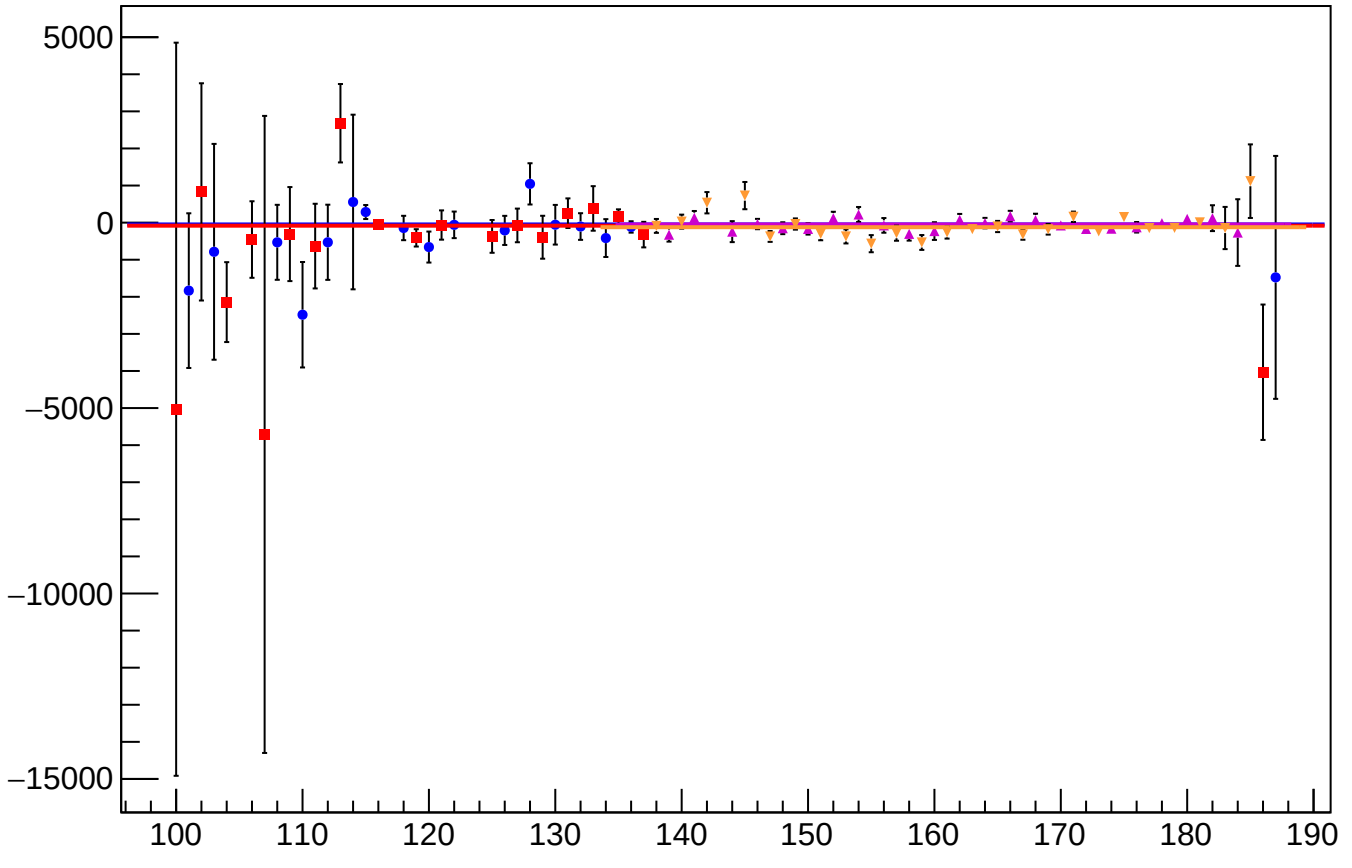
Right Out: 2327.229+/-0.598 χ^2/NDF: 152708.5/18

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.357+/-0.308 χ^2/NDF: 546989.7/40

All: 2215.083+/-0.218 χ^2/NDF: 745937.6/82

- sign 2219.821+/-0.309 χ^2/NDF: 198476.8/41



Right In: -49.026+/-90.879 χ^2/NDF: 14.6/16

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -82.250+/-82.300 χ^2/NDF: 22.3/18

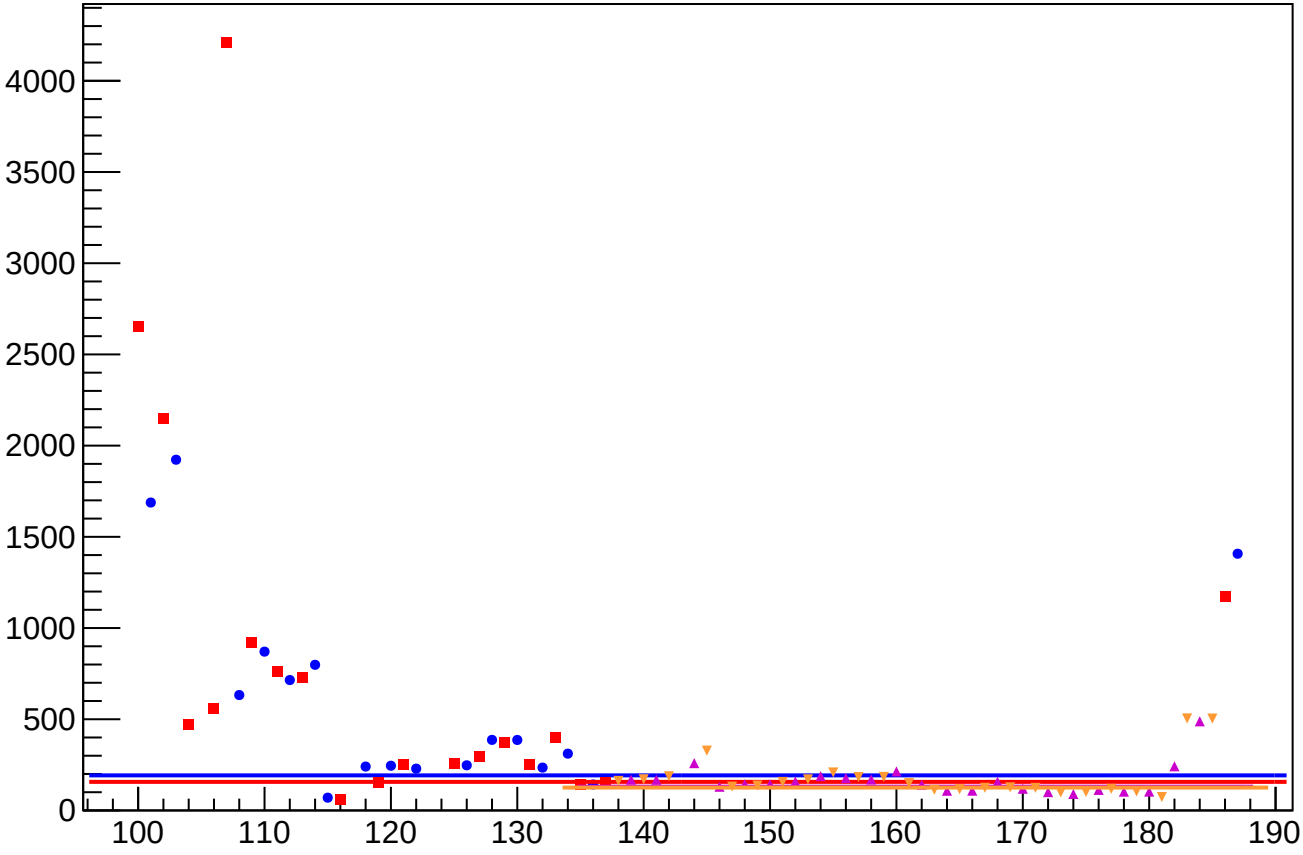
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.114+/-29.685 χ^2/NDF: 59.0/40

All: -85.459+/-21.192 χ^2/NDF: 101.7/82

- sign -54.635+/-30.265 χ^2/NDF: 40.7/41

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 192.317+/-0.064 χ^2/NDF: 5340213.8/16

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 156.746+/-0.058 χ^2/NDF: 6775042.8/18

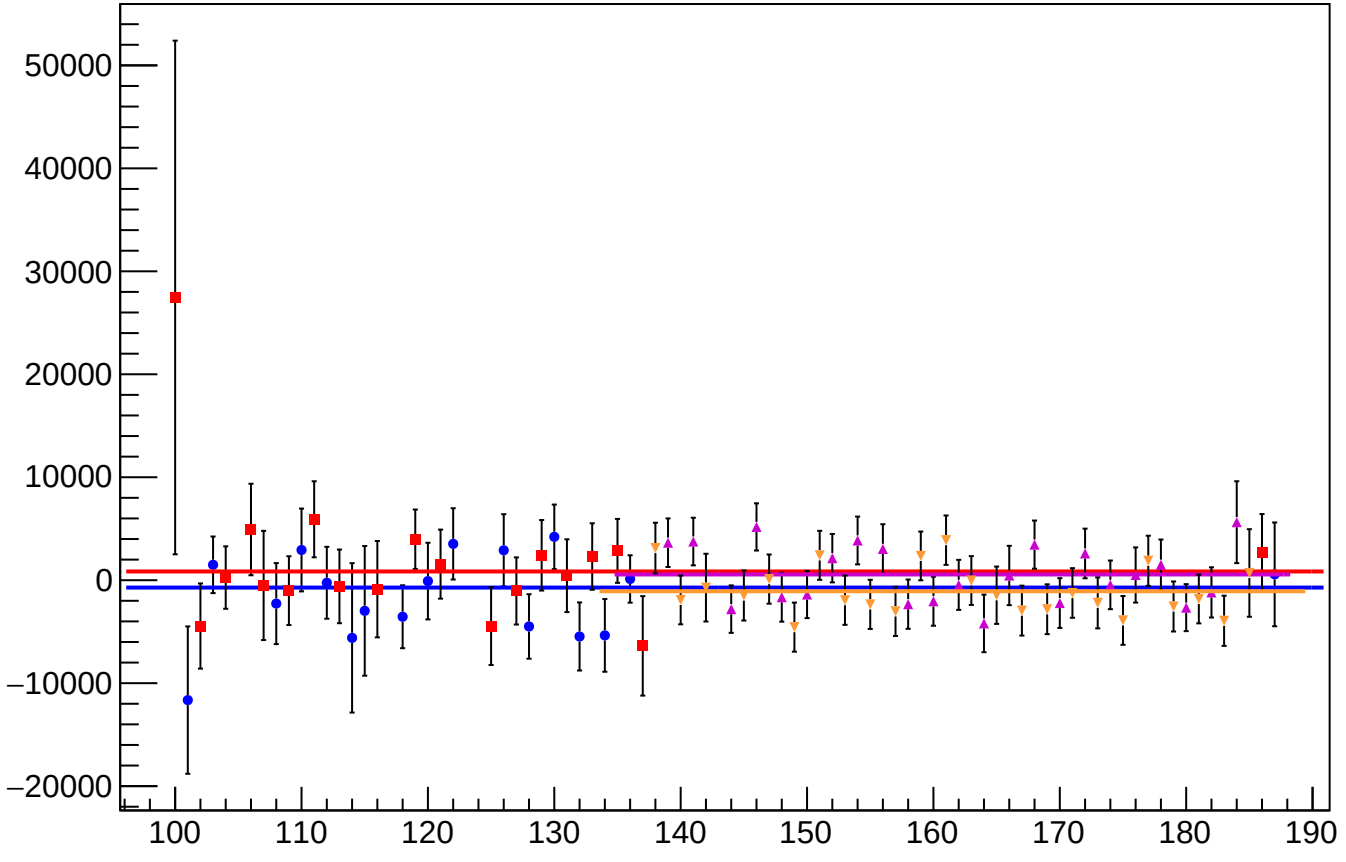
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 132.635+/-0.021 χ^2/NDF: 10248542.0/40

All: 133.301+/-0.015 χ^2/NDF: 19882088.6/82

- sign 133.994+/-0.021 χ^2/NDF: 9631490.3/41

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -714.901+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

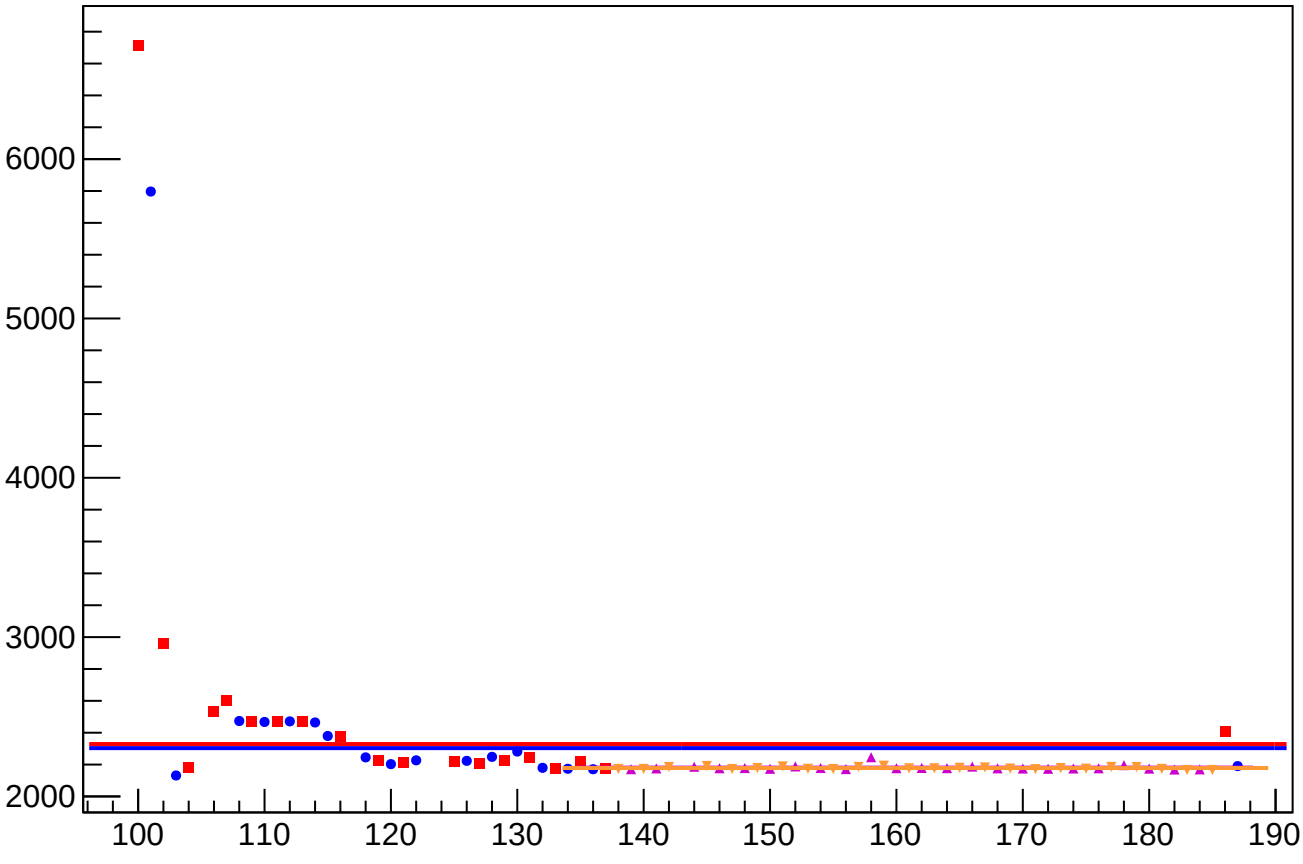
Right Out: 848.766+/-846.781 χ^2/NDF: 13.1/18

Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -980.862+/-435.796 χ^2/NDF: 37.6/40

All: -174.246+/-308.362 χ^2/NDF: 86.3/82

- sign 634.545+/-436.383 χ^2/NDF: 41.9/41



Right In: 2303.260+/-0.608 χ^2/NDF: 515183.7/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

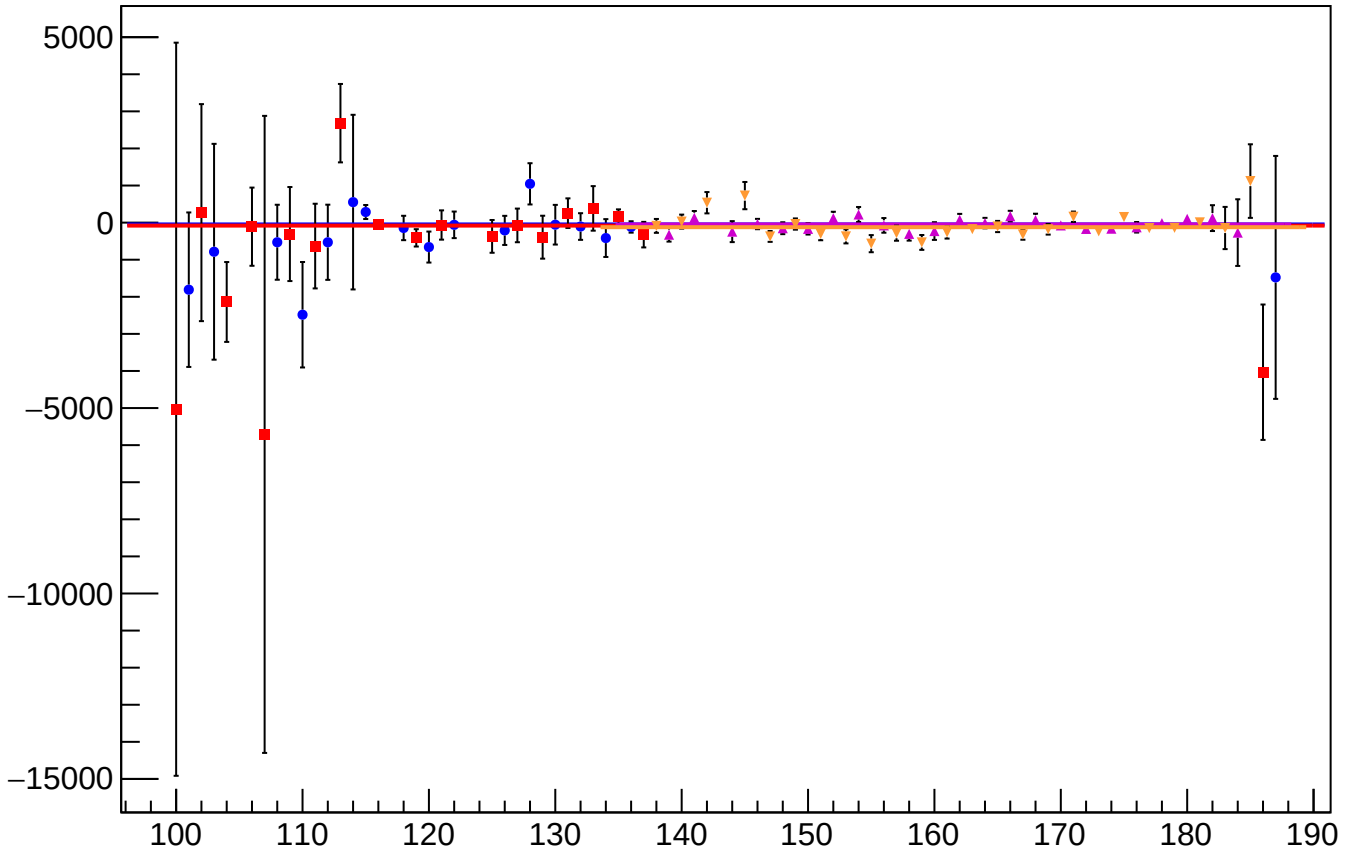
Right Out: 2328.824+/-0.599 χ^2/NDF: 154462.7/18

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.357+/-0.308 χ^2/NDF: 546990.0/40

All: 2215.272+/-0.218 χ^2/NDF: 748641.3/82

- sign 2220.200+/-0.309 χ^2/NDF: 201141.9/41



Right In: -49.061+/-90.885 χ^2/NDF: 14.6/16

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

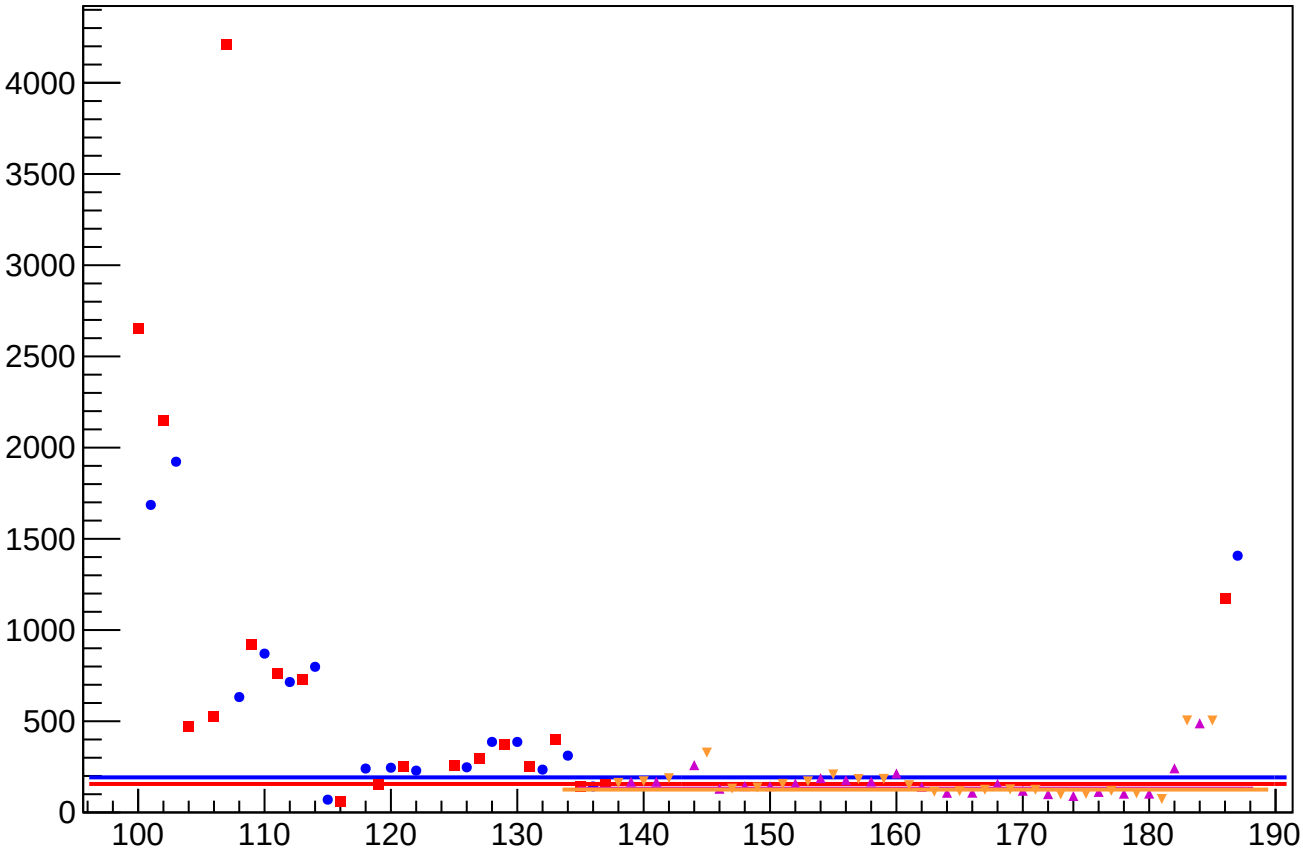
Right Out: -80.239+/-82.238 χ^2/NDF: 22.1/18

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.047+/-29.685 χ^2/NDF: 58.9/40

All: -85.248+/-21.192 χ^2/NDF: 101.5/82

- sign -54.276+/-30.264 χ^2/NDF: 40.5/41



Right In: 192.341+/-0.064 χ^2/NDF: 5339063.7/16

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

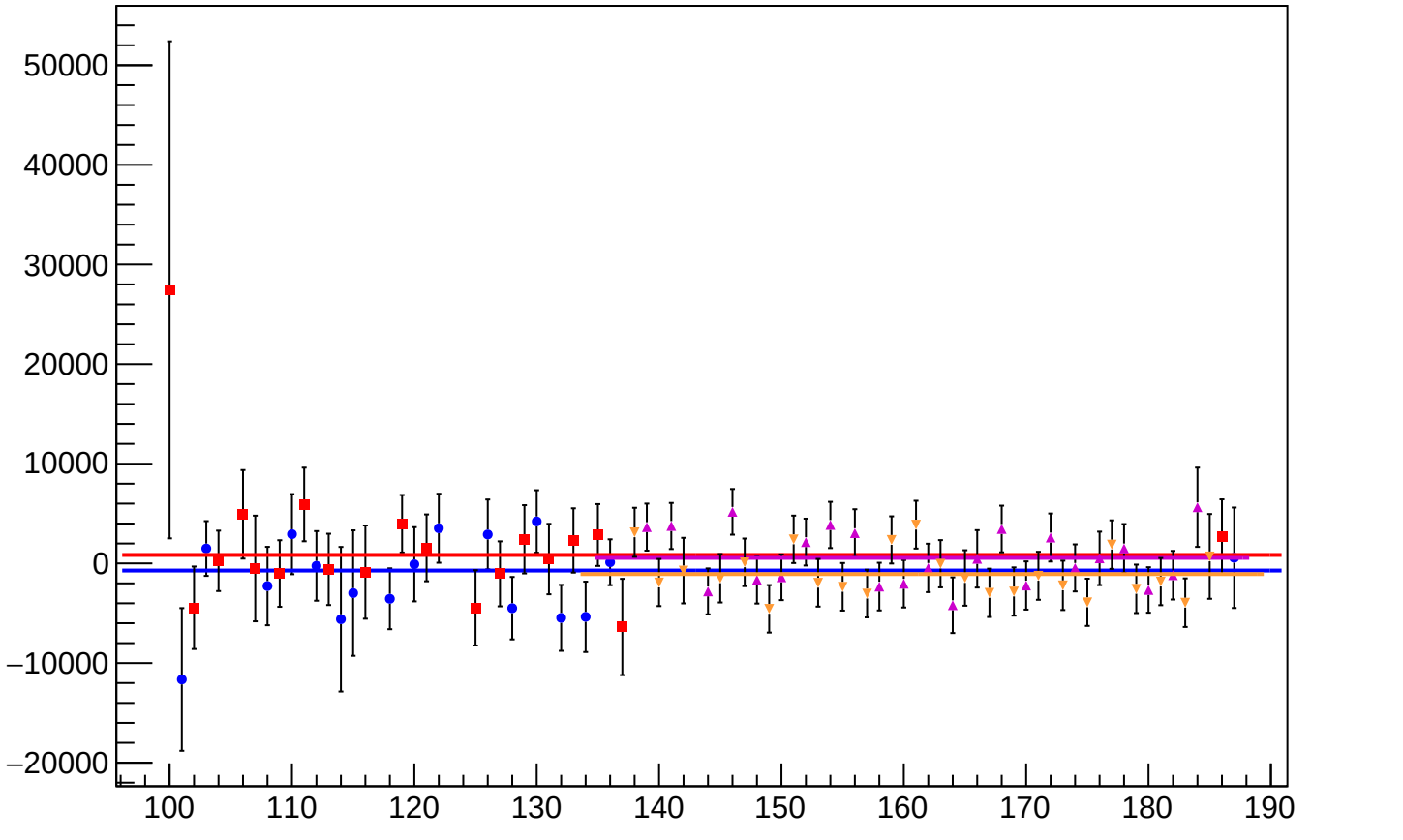
Right Out: 156.189+/-0.058 χ^2/NDF: 6730098.4/18

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.633+/-0.021 χ^2/NDF: 10248926.2/40

All: 133.272+/-0.015 χ^2/NDF: 19829645.3/82

- sign 133.936+/-0.021 χ^2/NDF: 9578828.6/41



Right In: -714.901+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 848.766+/-846.781 χ^2/NDF: 13.1/18

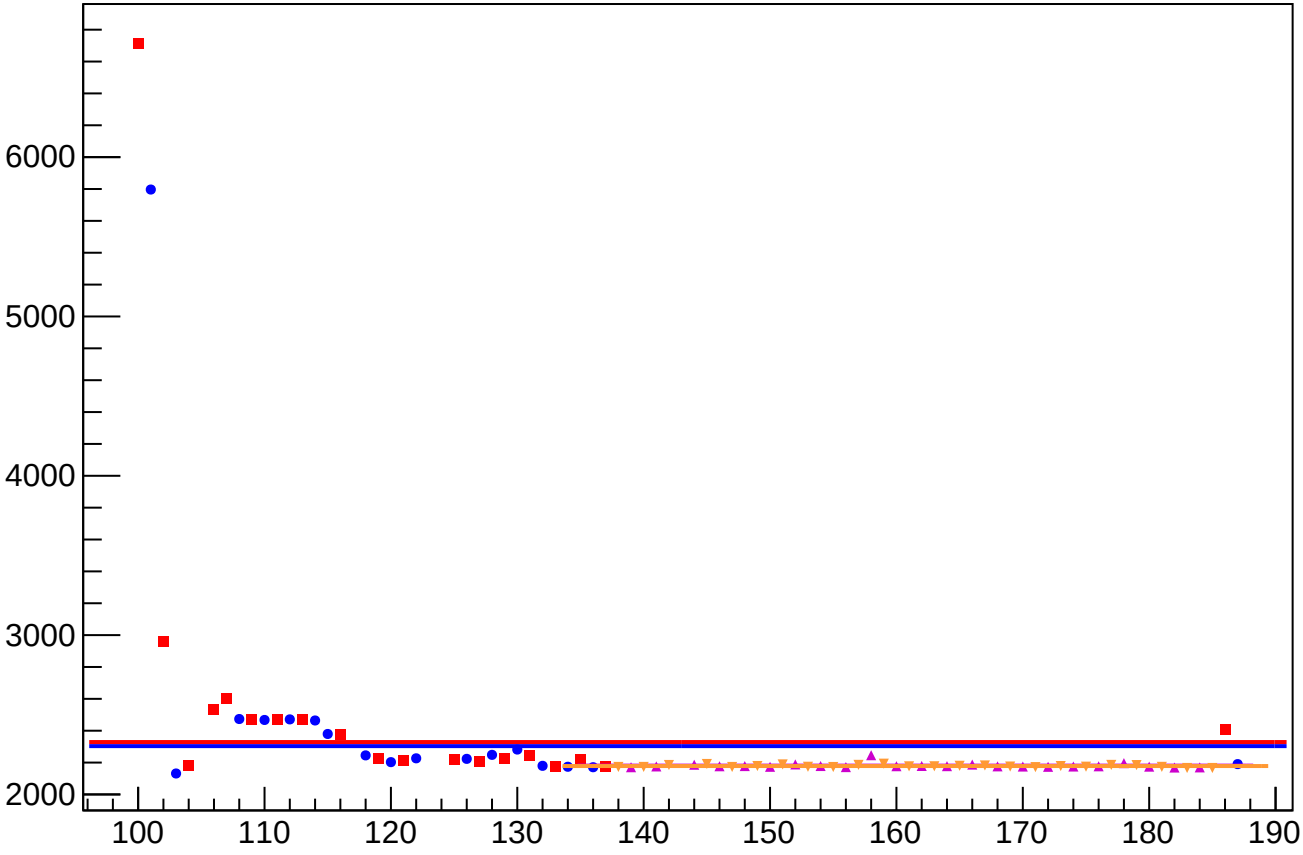
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -980.862+/-435.796 χ^2/NDF: 37.6/40

All: -174.246+/-308.362 χ^2/NDF: 86.3/82

- sign 634.545+/-436.383 χ^2/NDF: 41.9/41

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2303.260+/-0.608 χ^2/NDF: 515183.7/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

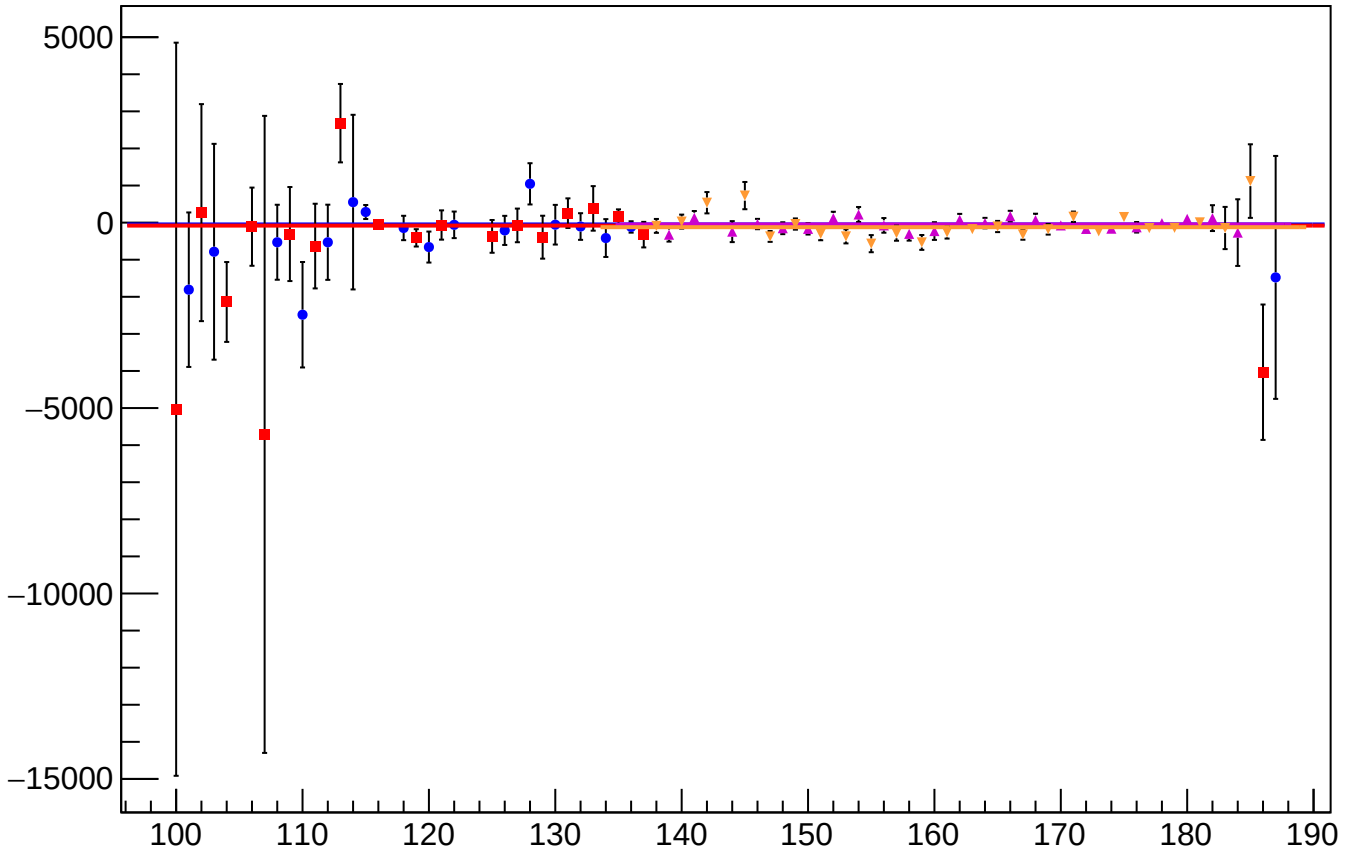
Right Out: 2328.824+/-0.599 χ^2/NDF: 154462.7/18

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2210.357+/-0.308 χ^2/NDF: 546990.0/40

All: 2215.272+/-0.218 χ^2/NDF: 748641.3/82

- sign 2220.200+/-0.309 χ^2/NDF: 201141.9/41



Right In: -49.061+/-90.885 χ^2/NDF: 14.6/16

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

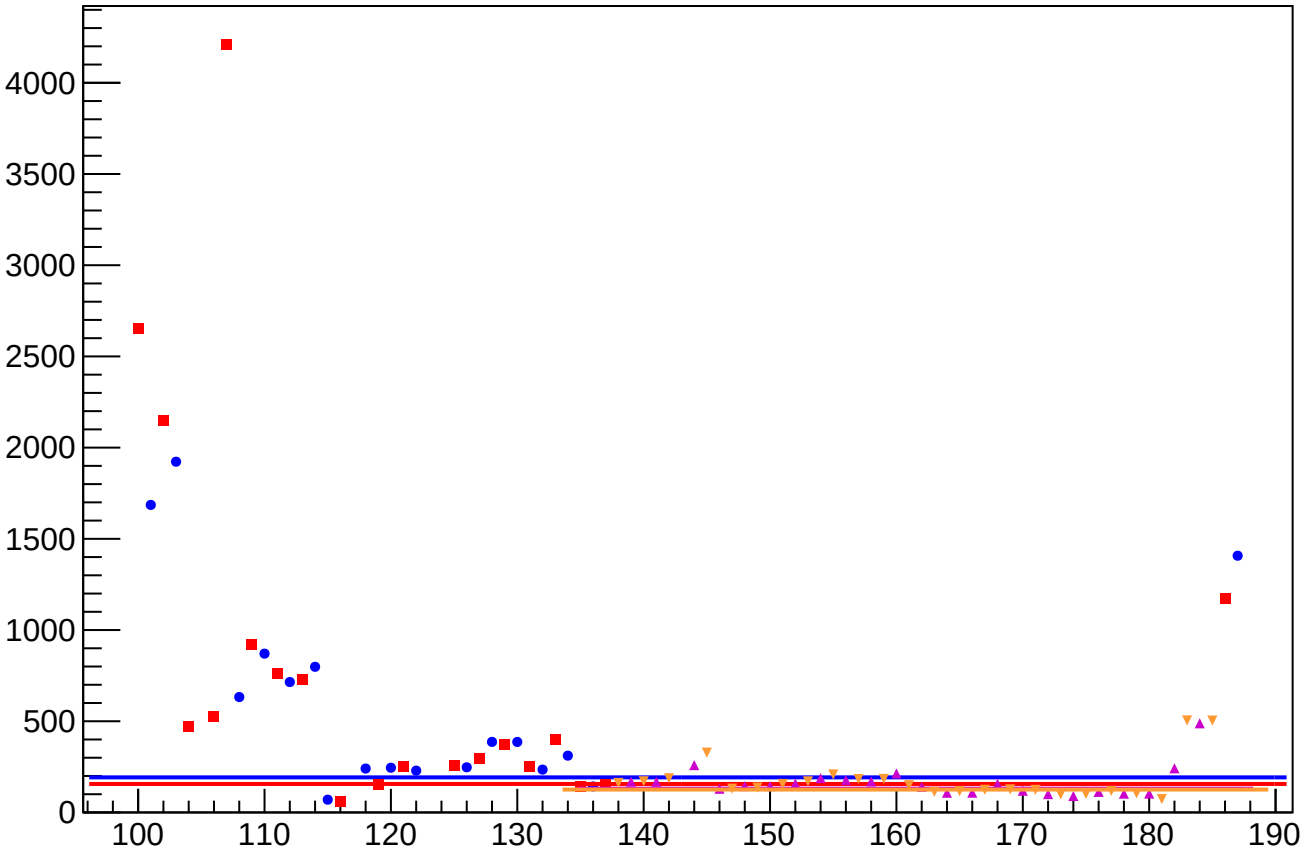
Right Out: -80.239+/-82.238 χ^2/NDF: 22.1/18

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.047+/-29.685 χ^2/NDF: 58.9/40

All: -85.248+/-21.192 χ^2/NDF: 101.5/82

- sign -54.276+/-30.264 χ^2/NDF: 40.5/41



Right In: 192.341+/-0.064 χ^2/NDF: 5339063.7/16

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 156.189+/-0.058 χ^2/NDF: 6730098.4/18

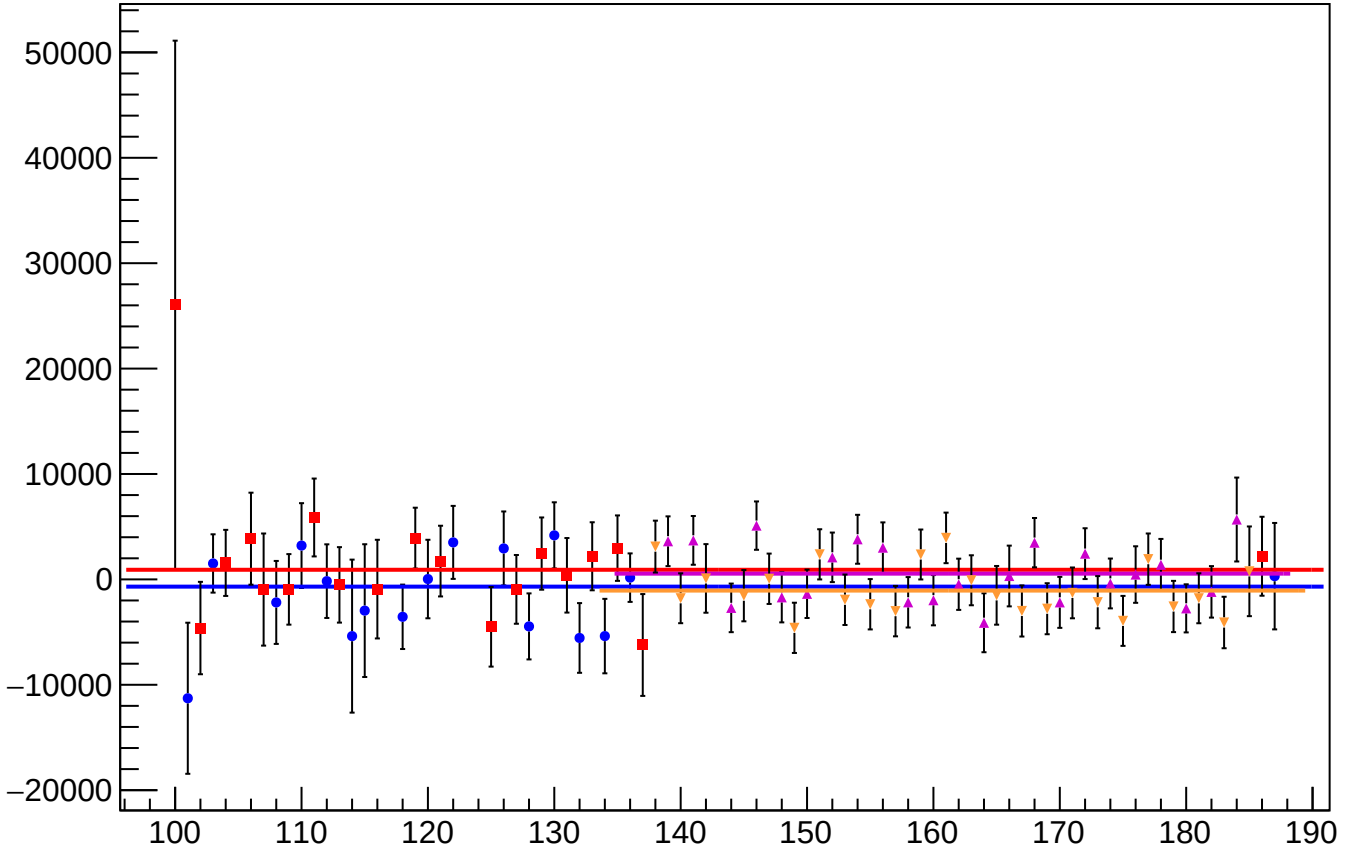
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 132.633+/-0.021 χ^2/NDF: 10248926.2/40

All: 133.272+/-0.015 χ^2/NDF: 19829645.3/82

- sign 133.936+/-0.021 χ^2/NDF: 9578828.6/41

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -687.426+/-860.754 χ^2/NDF: 15.9/16

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 912.015+/-850.746 χ^2/NDF: 12.3/18

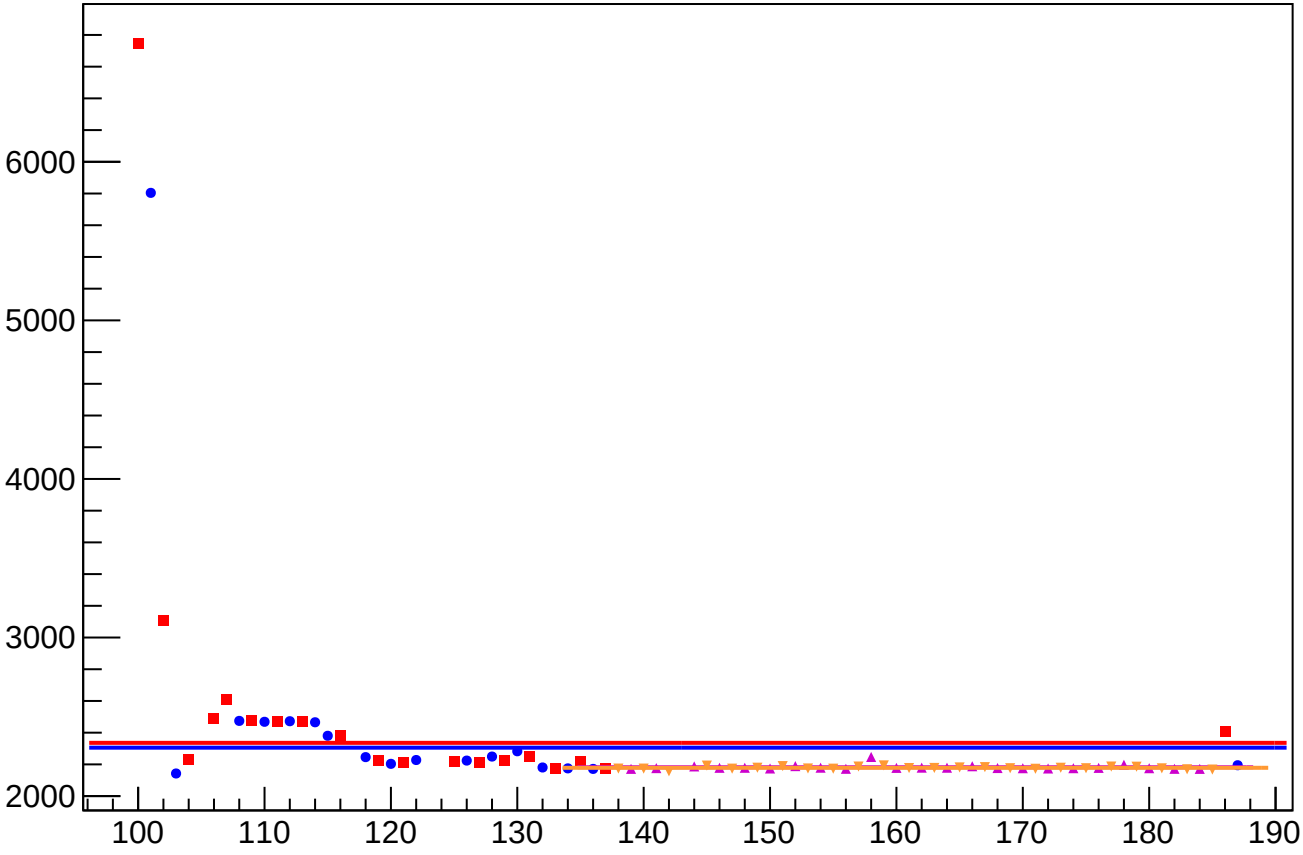
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -966.182+/-435.972 χ^2/NDF: 37.9/40

All: -164.443+/-308.664 χ^2/NDF: 85.0/82

- sign 641.323+/-437.065 χ^2/NDF: 40.3/41

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2305.424+/-0.609 χ^2/NDF: 514733.8/16

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

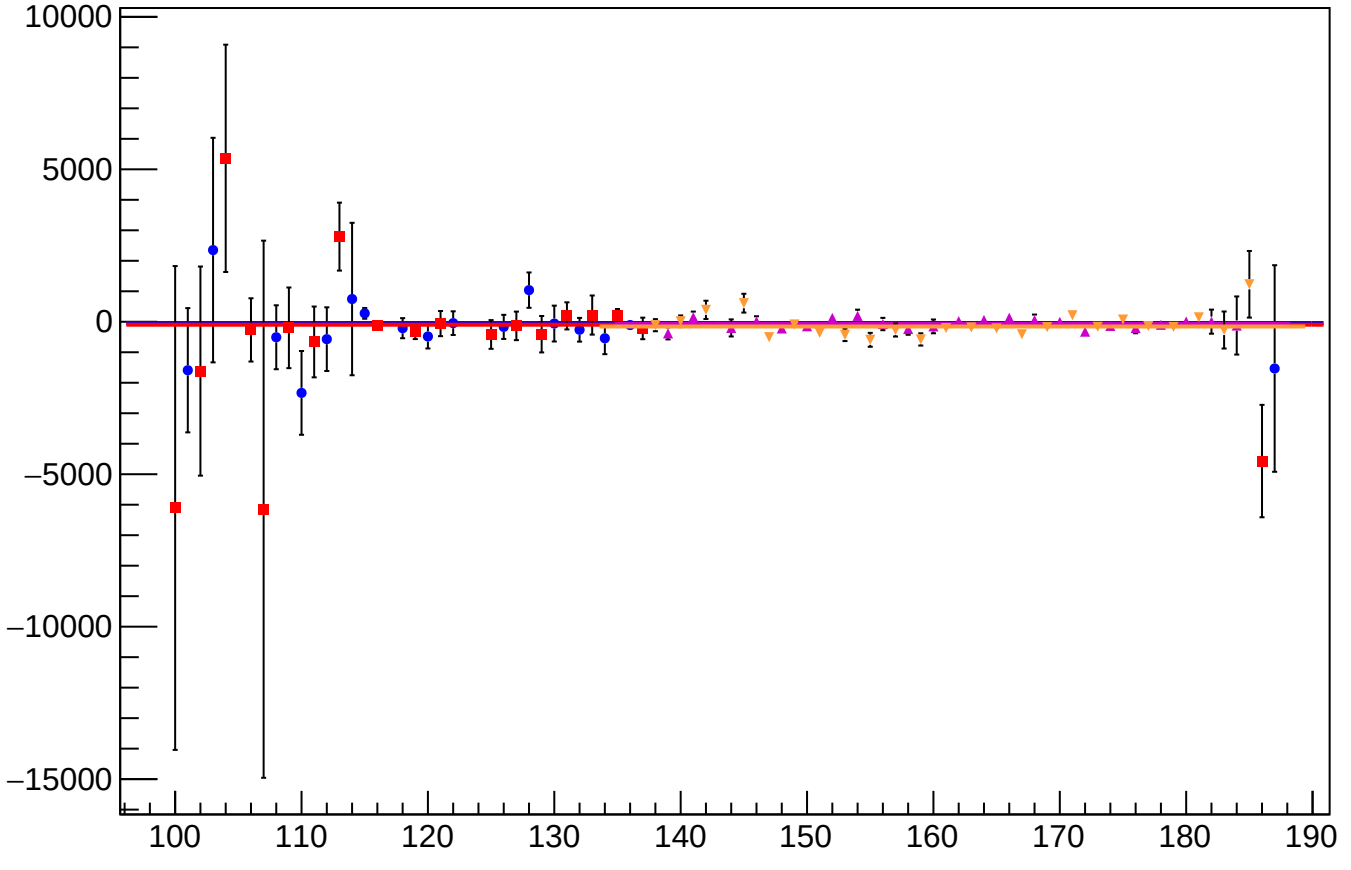
Right Out: 2335.835+/-0.602 χ^2/NDF: 168128.4/18

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2211.064+/-0.308 χ^2/NDF: 547518.8/40

All: 2216.775+/-0.218 χ^2/NDF: 766382.3/82

- sign 2222.516+/-0.309 χ^2/NDF: 218175.2/41



Right In: -41.229+/-92.375 χ^2/NDF: 14.2/16

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -96.132+/-85.994 χ^2/NDF: 20.9/18

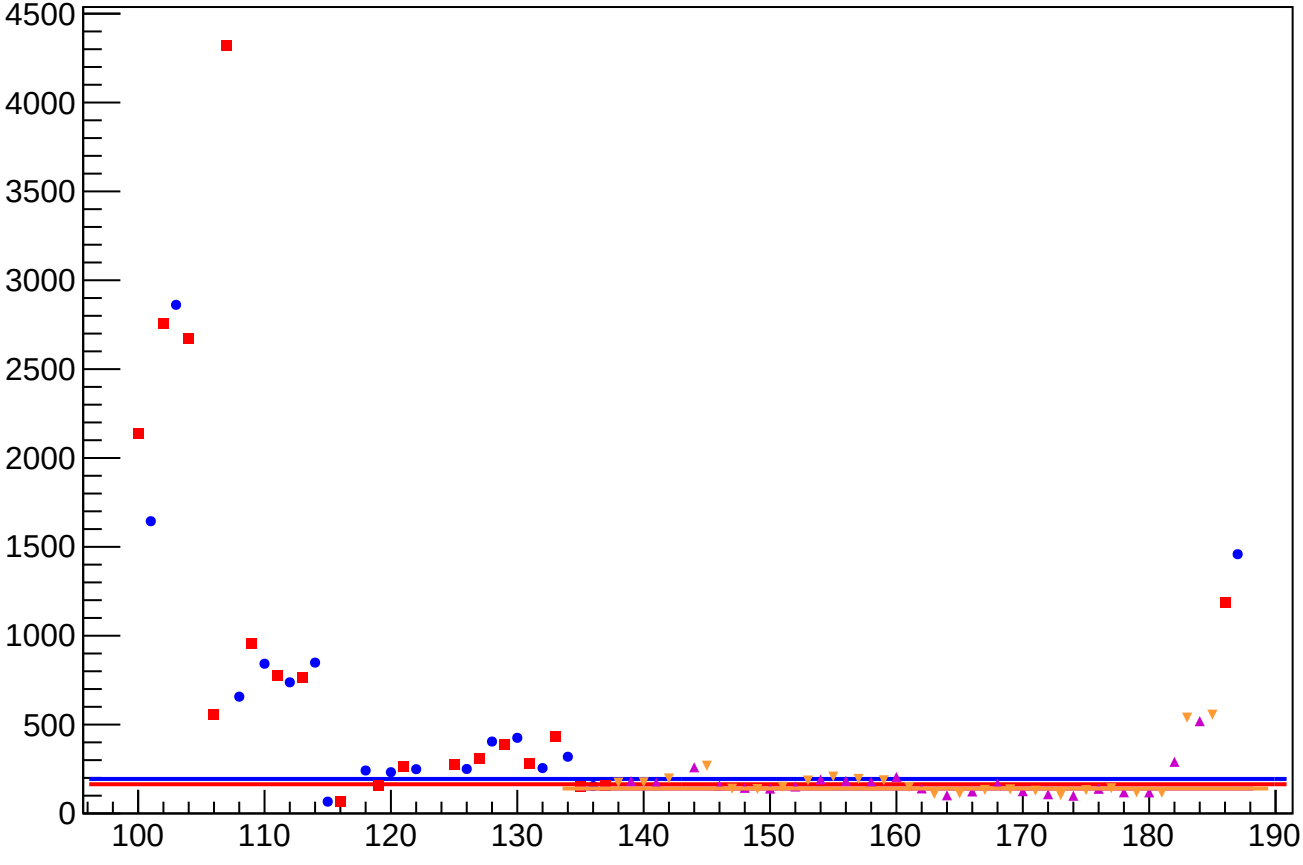
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.141+/-31.957 χ^2/NDF: 62.9/40

All: -107.231+/-22.535 χ^2/NDF: 105.0/82

- sign -73.692+/-31.783 χ^2/NDF: 39.9/41

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 194.196+/-0.065 χ^2/NDF: 5896689.5/16

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 164.340+/-0.061 χ^2/NDF: 7684773.0/18

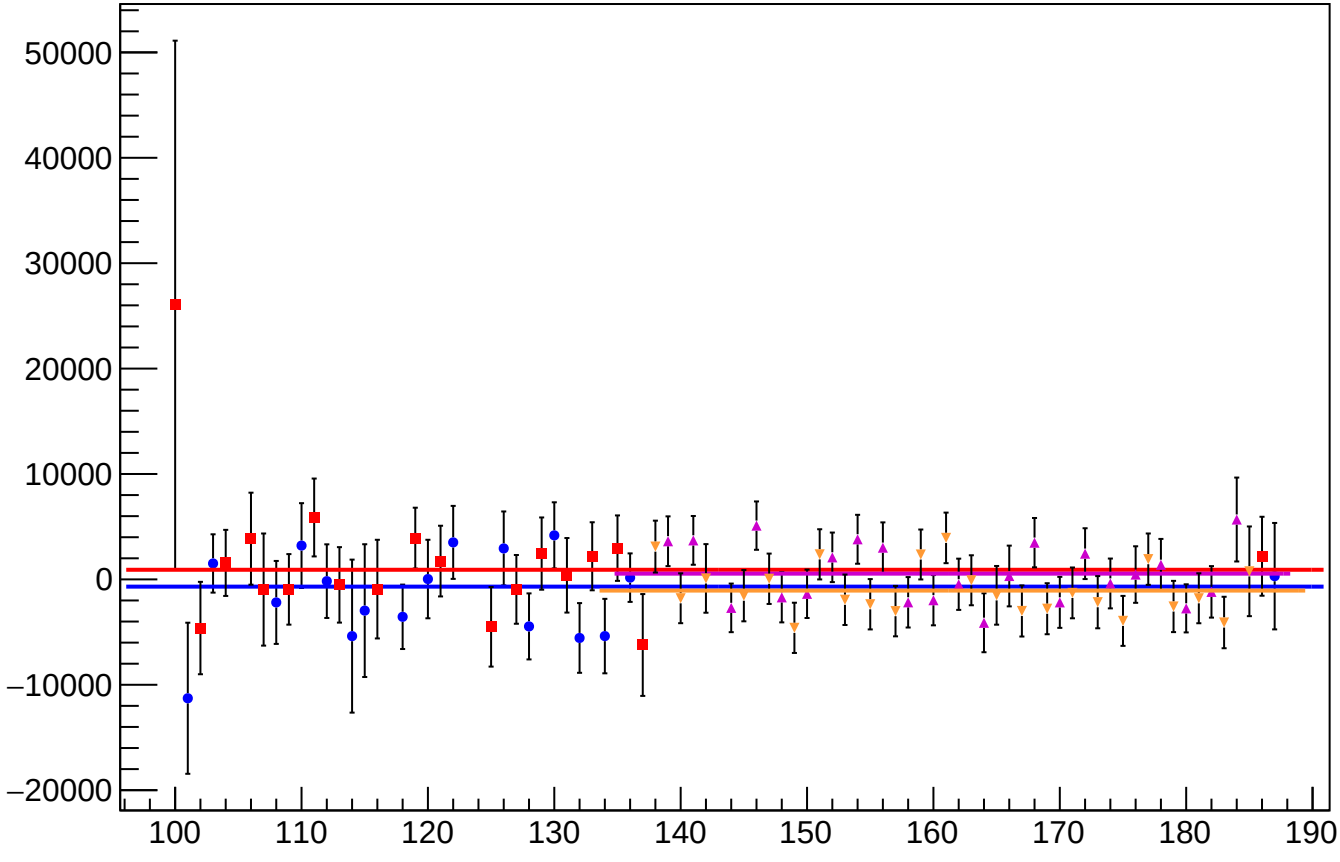
Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

+ sign 146.767+/-0.023 χ^2/NDF: 9255903.8/40

All: 145.027+/-0.016 χ^2/NDF: 19503503.9/82

- sign 143.306+/-0.022 χ^2/NDF: 10235808.4/41

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -687.427+/-860.754 χ^2/NDF: 15.9/16

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 912.016+/-850.746 χ^2/NDF: 12.3/18

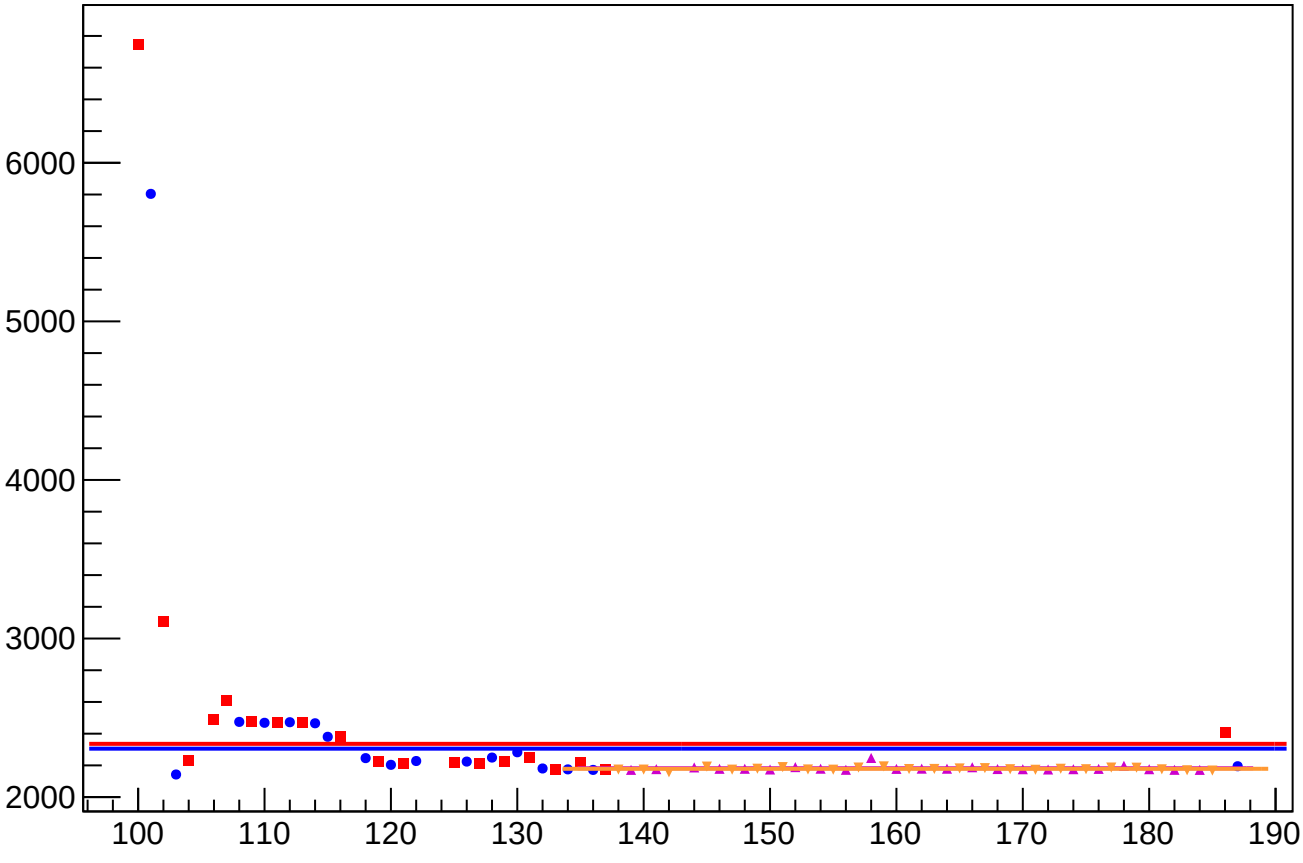
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -966.183+/-435.972 χ^2/NDF: 37.9/40

All: -164.444+/-308.664 χ^2/NDF: 85.0/82

- sign 641.322+/-437.065 χ^2/NDF: 40.3/41

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2305.424+/-0.609 χ^2/NDF: 514733.8/16

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

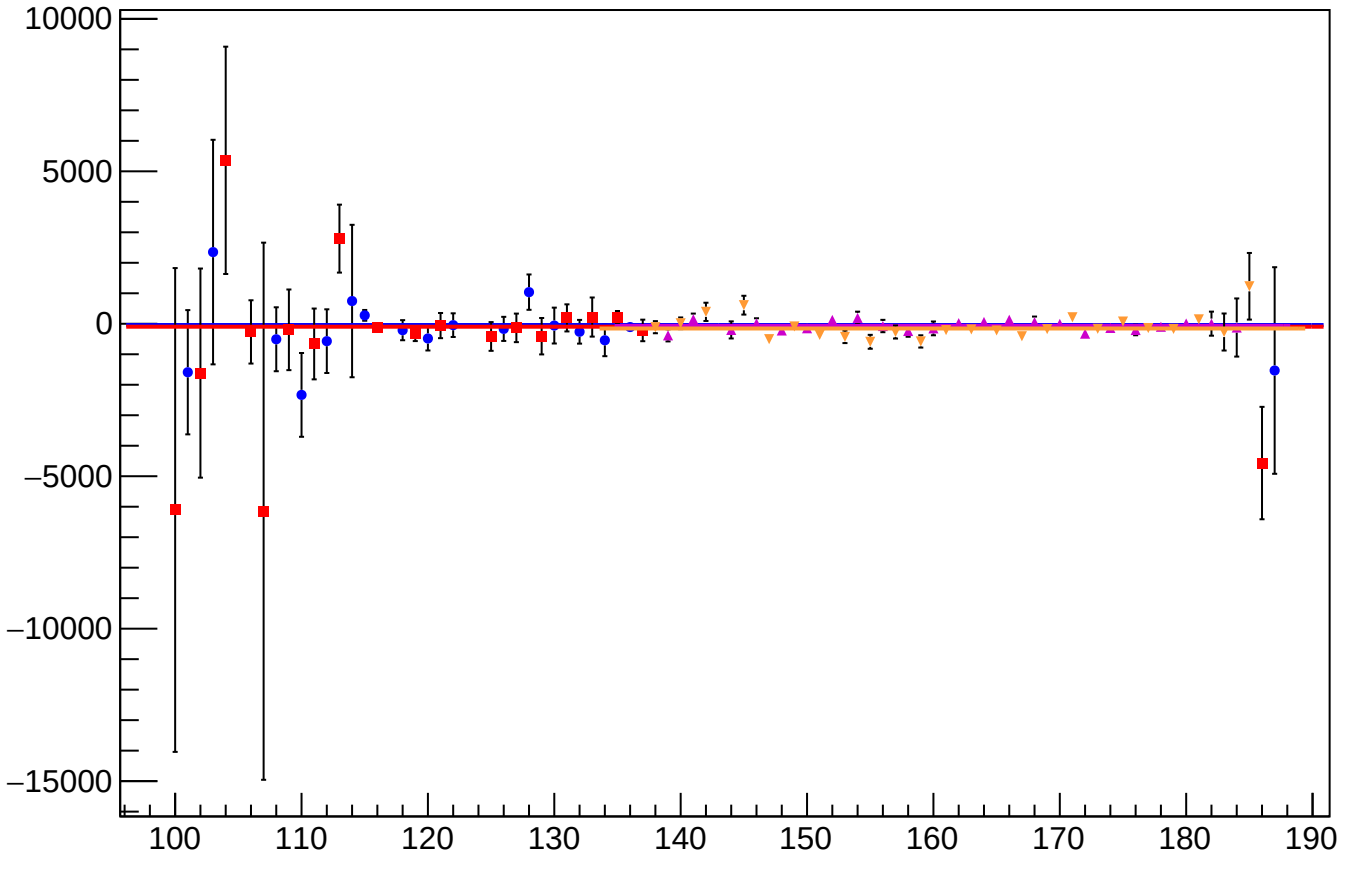
Right Out: 2335.835+/-0.602 χ^2/NDF: 168128.3/18

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2211.064+/-0.308 χ^2/NDF: 547518.8/40

All: 2216.775+/-0.218 χ^2/NDF: 766382.1/82

- sign 2222.516+/-0.309 χ^2/NDF: 218175.0/41



Right In: -41.226+/-92.374 χ^2/NDF: 14.2/16

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

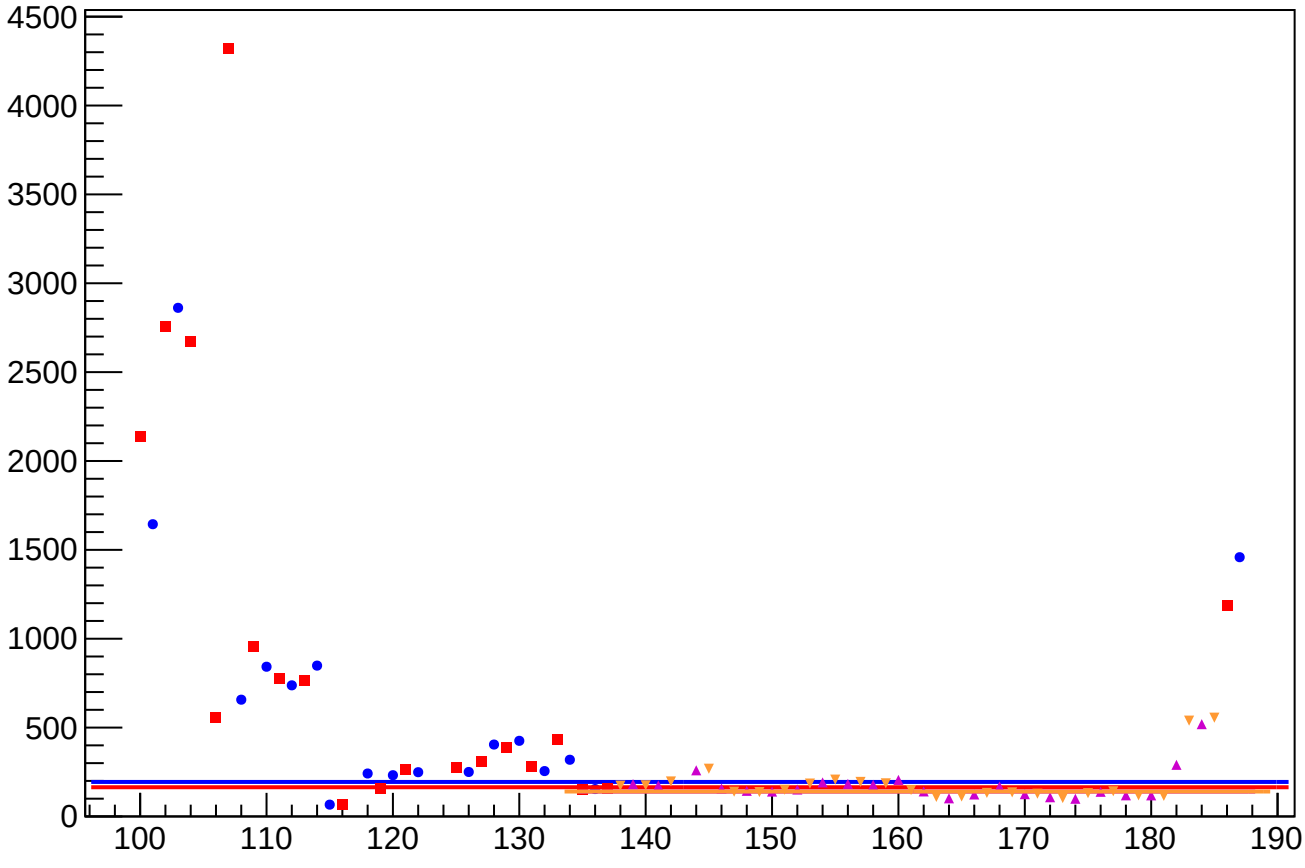
Right Out: -96.133+/-85.993 χ^2/NDF: 20.9/18

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.142+/-31.957 χ^2/NDF: 62.9/40

All: -107.231+/-22.535 χ^2/NDF: 105.0/82

- sign -73.691+/-31.783 χ^2/NDF: 39.9/41



Right In: 194.194+/-0.065 χ^2/NDF: 5896727.6/16

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 164.337+/-0.061 χ^2/NDF: 7684834.7/18

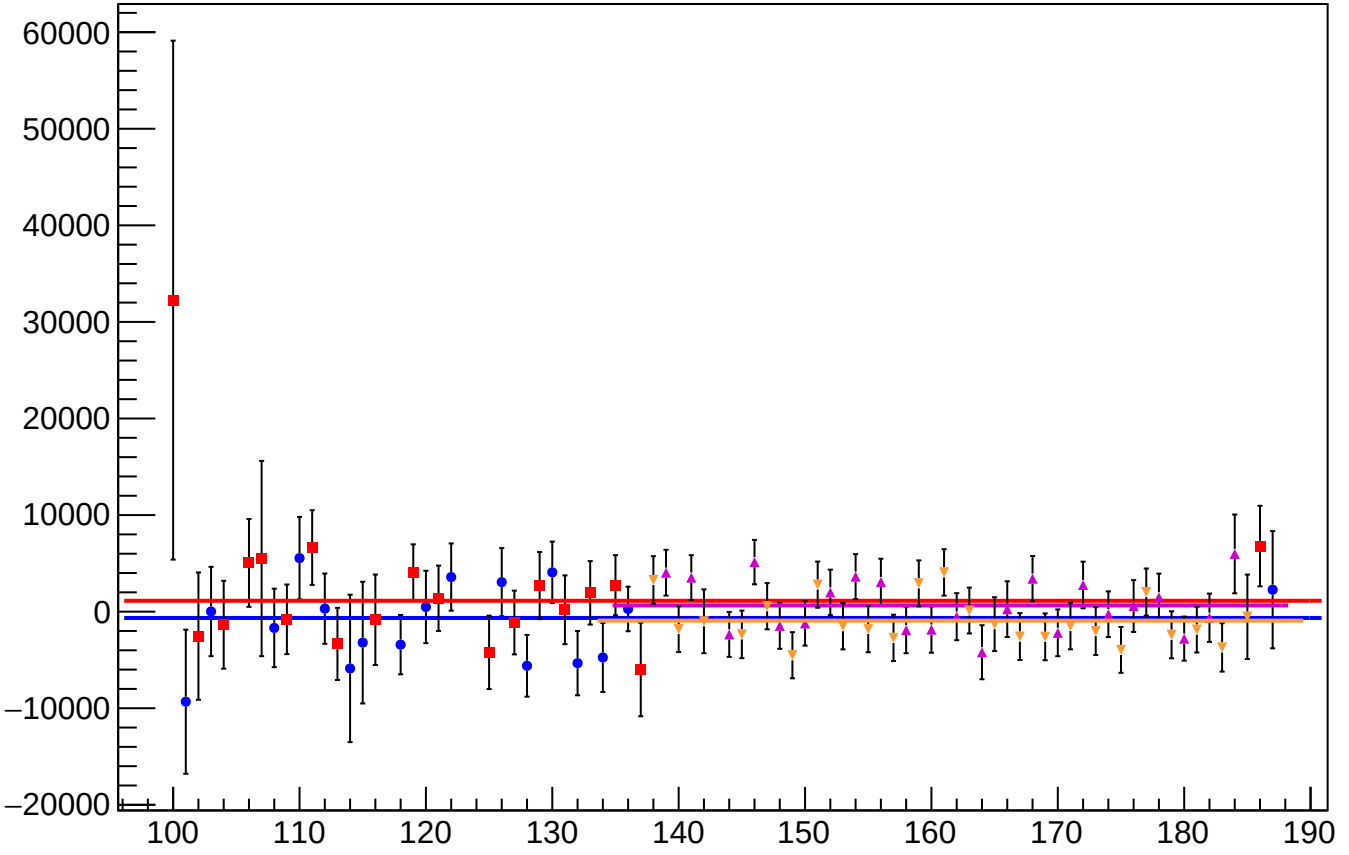
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 146.767+/-0.023 χ^2/NDF: 9255888.5/40

All: 145.027+/-0.016 χ^2/NDF: 19503580.5/82

- sign 143.306+/-0.022 χ^2/NDF: 10235898.5/41

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -652.988+/-905.969 χ^2/NDF: 16.0/16

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1126.432+/-906.446 χ^2/NDF: 14.9/18

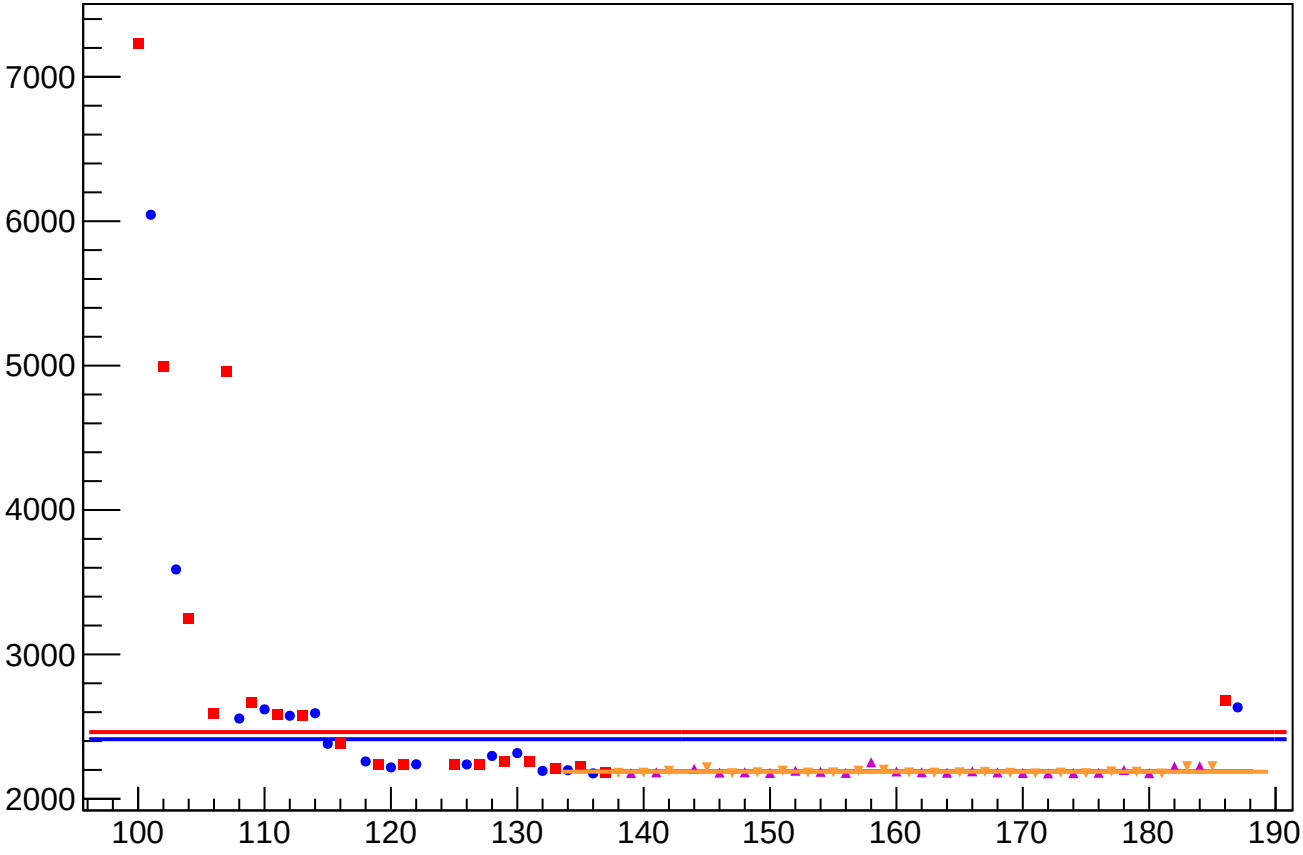
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -865.317+/-442.908 χ^2/NDF: 38.5/40

All: -57.419+/-314.055 χ^2/NDF: 87.3/82

- sign 759.541+/-445.385 χ^2/NDF: 42.1/41

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2412.811+/-0.641 χ^2/NDF: 679583.3/16

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

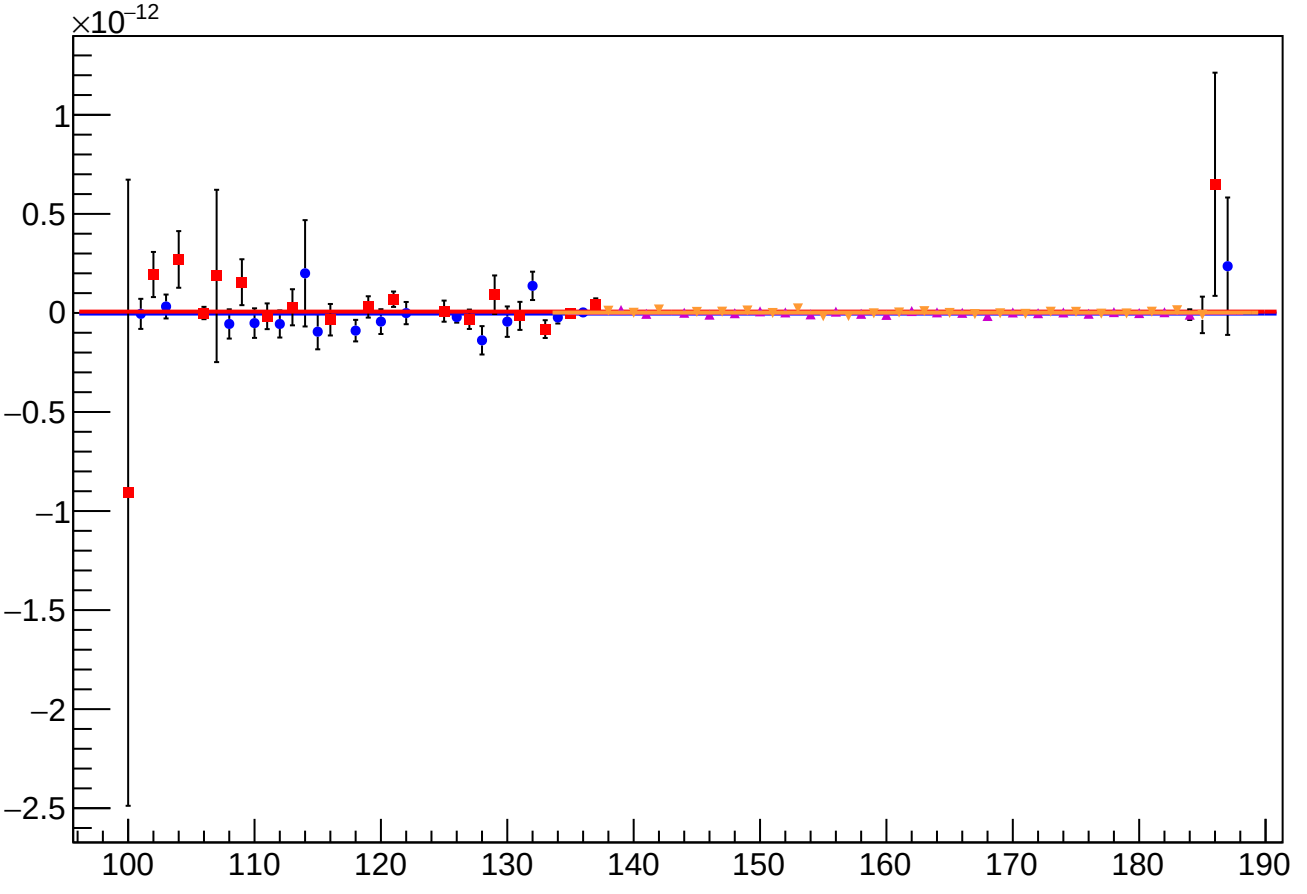
Right Out: 2462.004+/-0.641 χ^2/NDF: 639327.5/18

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2241.441+/-0.313 χ^2/NDF: 774960.3/40

All: 2248.577+/-0.222 χ^2/NDF: 1554324.8/82

- sign 2255.793+/-0.315 χ^2/NDF: 778320.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

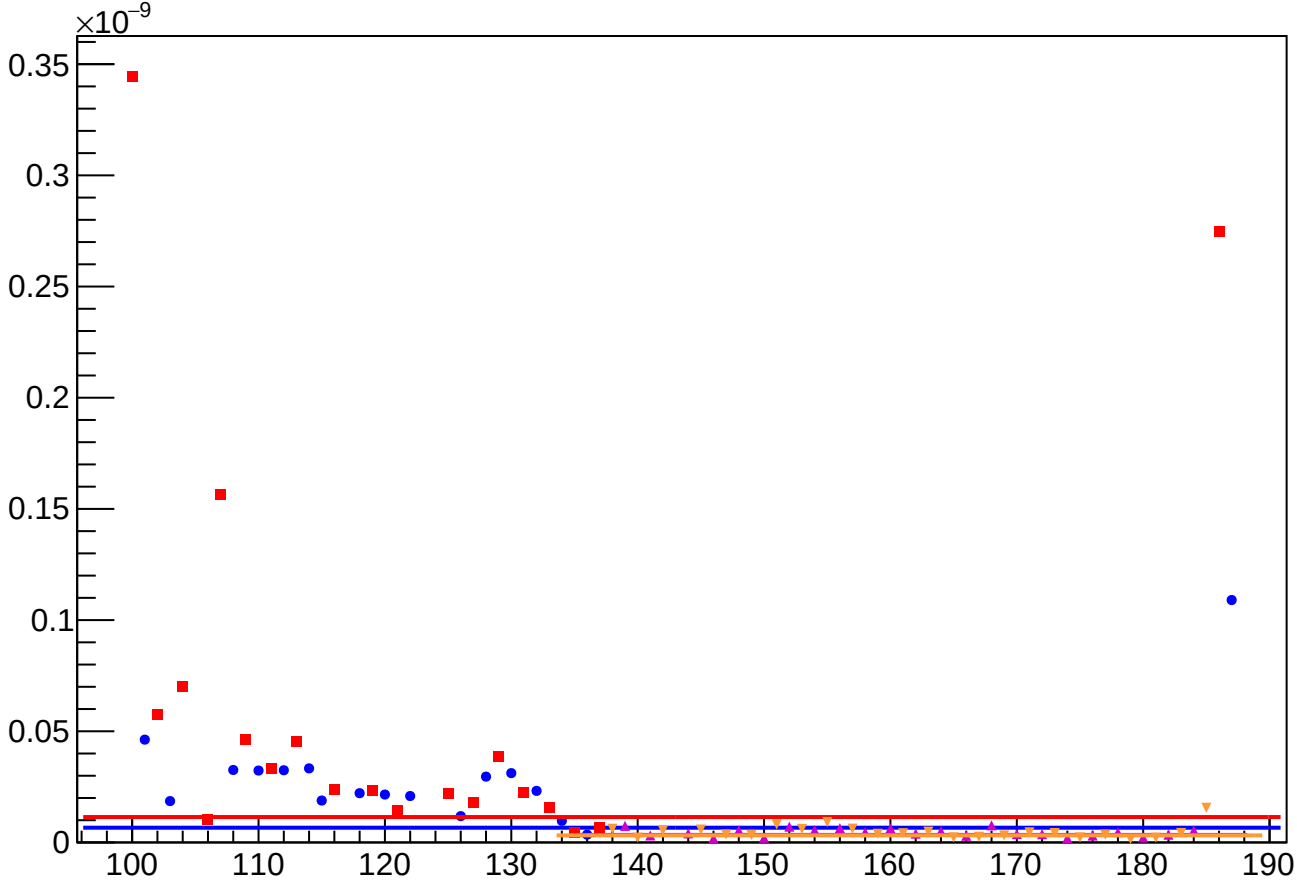
Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.1/40

All: 0.000+/-0.000 χ^2/NDF: 70.3/82

- sign 0.000+/-0.000 χ^2/NDF: 33.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 3031322.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

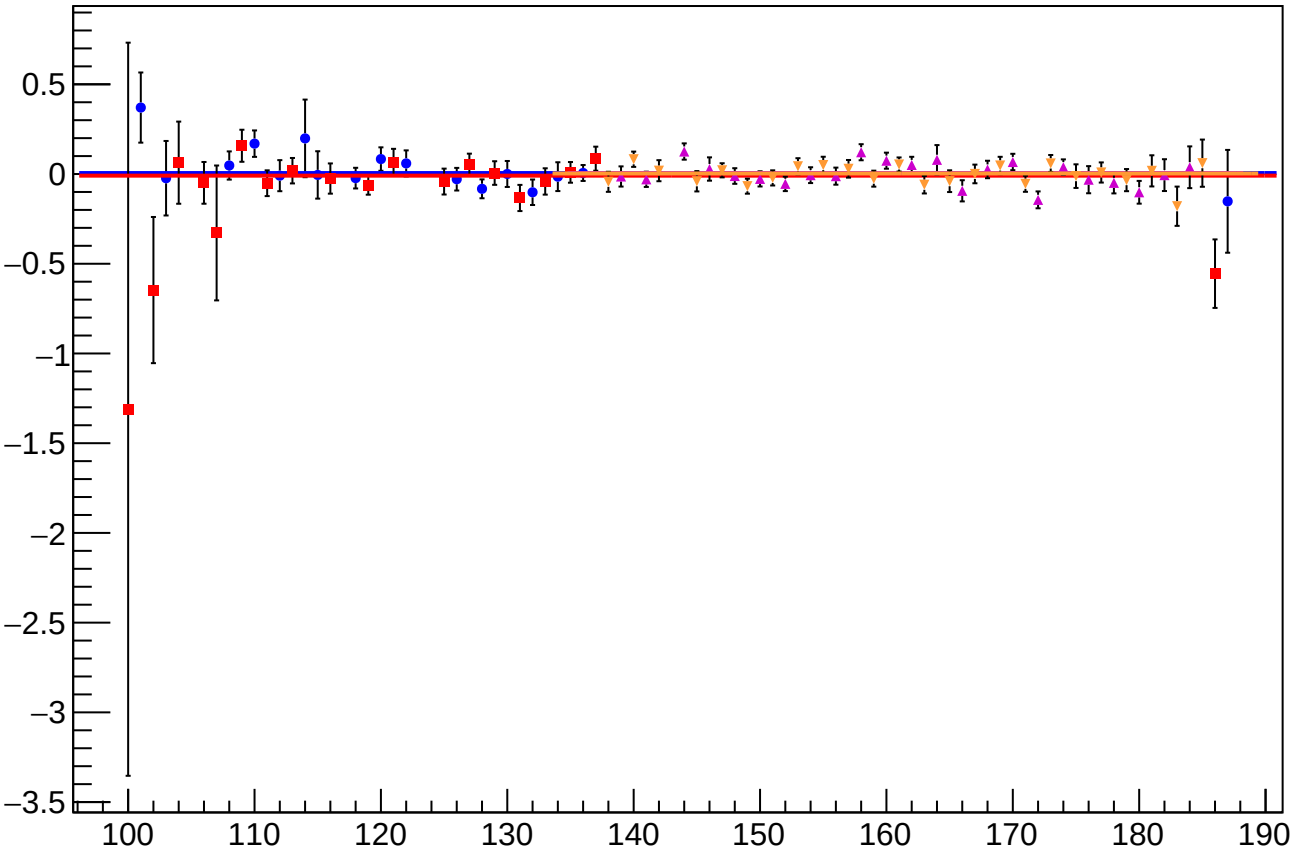
Right Out: 0.000+/-0.000 χ^2/NDF: 3135358.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5666914.2/40

All: 0.000+/-0.000 χ^2/NDF: 11849789.8/82

- sign 0.000+/-0.000 χ^2/NDF: 6157056.5/41



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.009+/-0.018 χ^2/NDF: 24.5/18

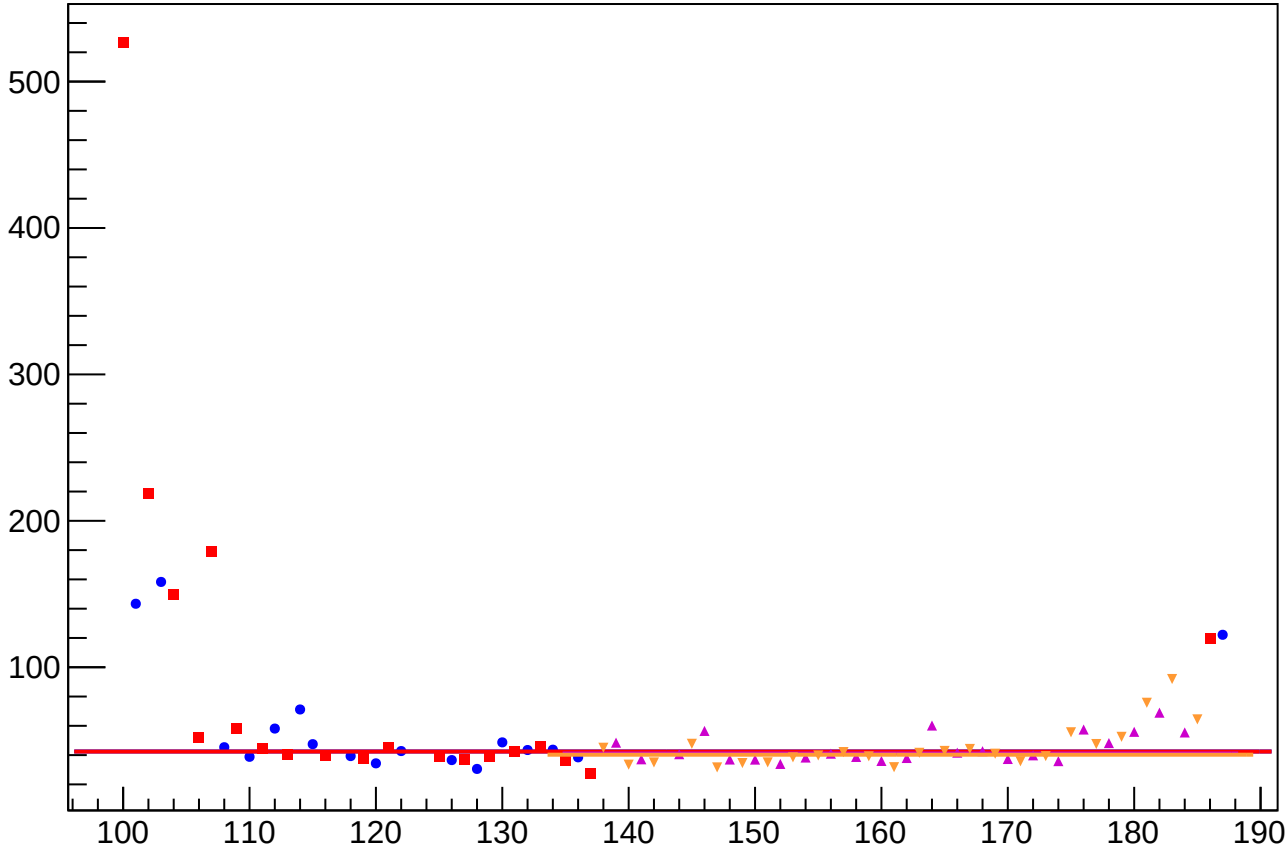
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.4/40

All: 0.003+/-0.006 χ^2/NDF: 105.8/82

- sign 0.002+/-0.009 χ^2/NDF: 66.4/41

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.489+/-0.013 χ^2/NDF: 1609709.8/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

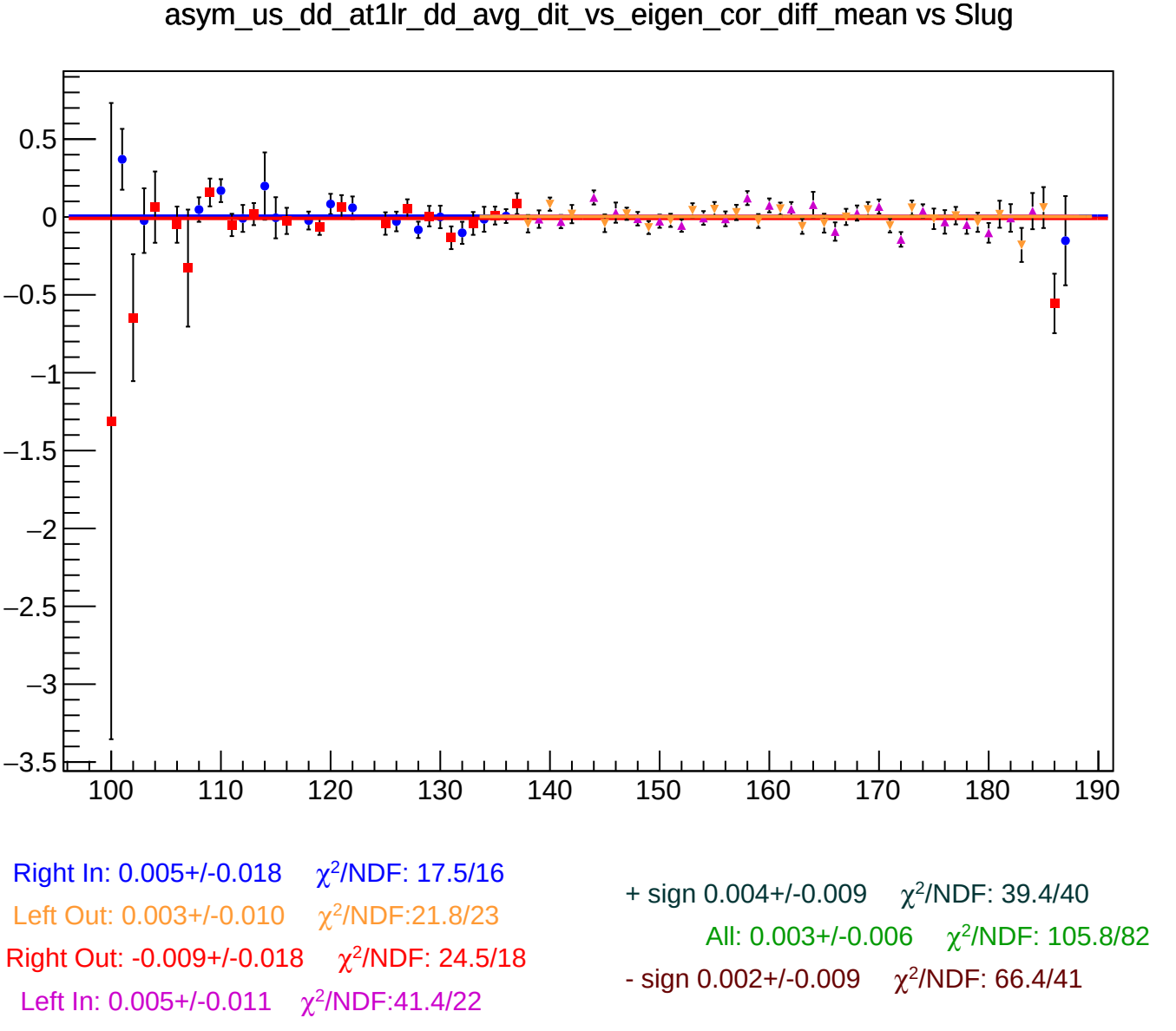
Right Out: 42.425+/-0.013 χ^2/NDF: 1772906.5/18

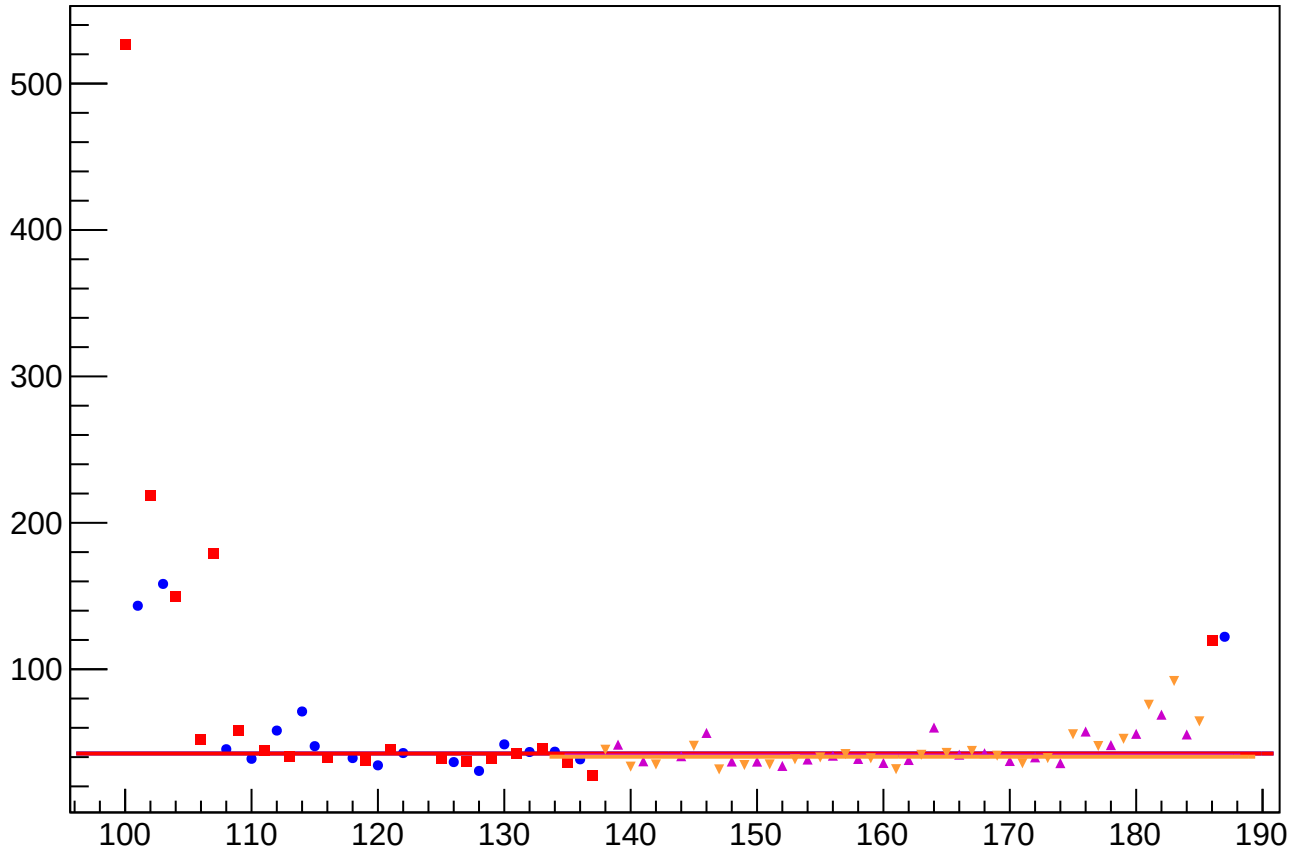
Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.818+/-0.006 χ^2/NDF: 3121037.6/40

All: 41.110+/-0.005 χ^2/NDF: 5833012.2/82

- sign 41.412+/-0.006 χ^2/NDF: 2707702.0/41


asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.005+/-0.018 χ²/NDF: 17.5/16
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: -0.009+/-0.018 χ²/NDF: 24.5/18
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.004+/-0.009 χ²/NDF: 39.4/40
All: 0.003+/-0.006 χ²/NDF: 105.8/82
- sign 0.002+/-0.009 χ²/NDF: 66.4/41



Right In: 42.489+/-0.013 χ^2/NDF: 1609709.8/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

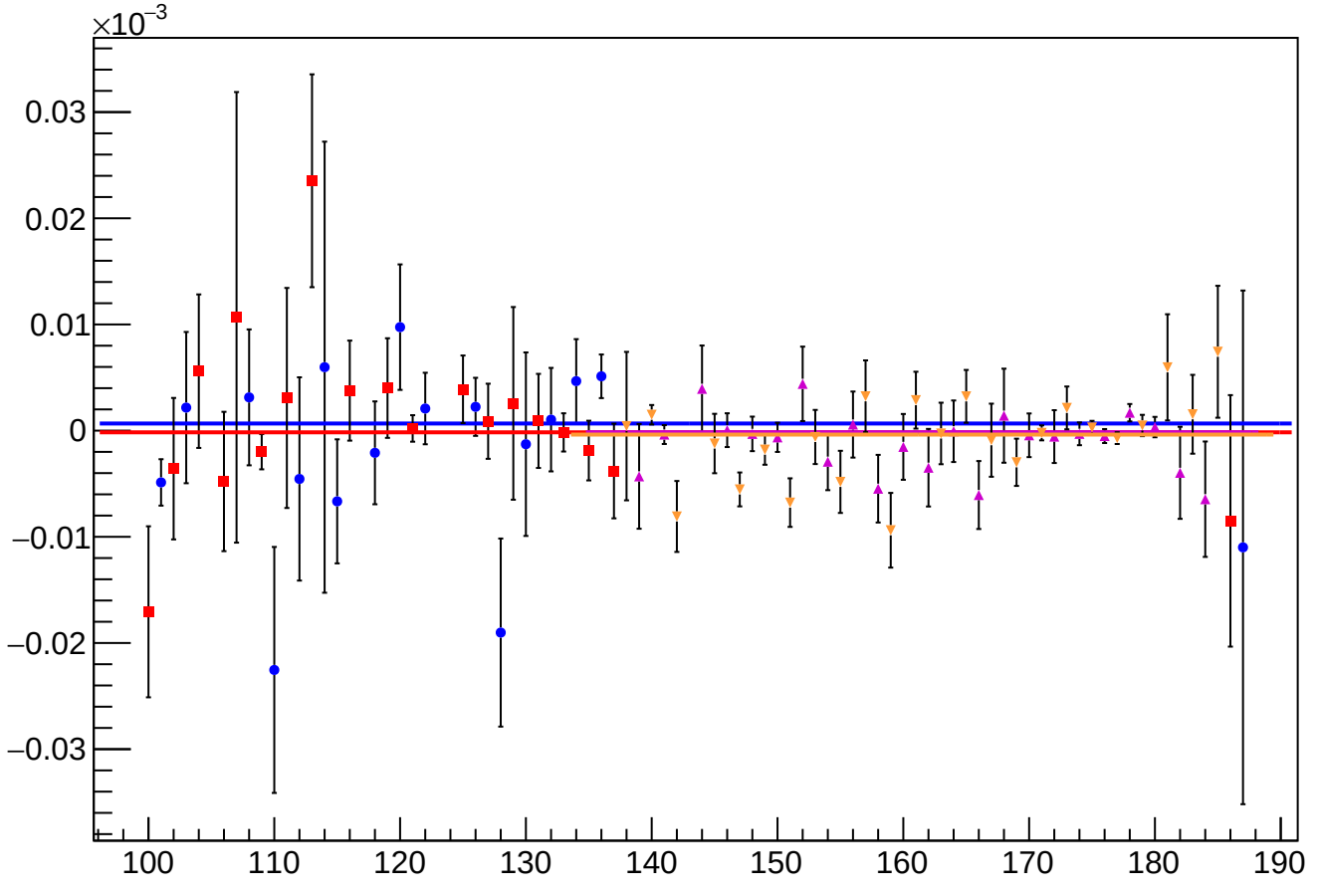
Right Out: 42.425+/-0.013 χ^2/NDF: 1772906.5/18

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 40.818+/-0.006 χ^2/NDF: 3121037.6/40

All: 41.110+/-0.005 χ^2/NDF: 5833012.2/82

- sign 41.412+/-0.006 χ^2/NDF: 2707702.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

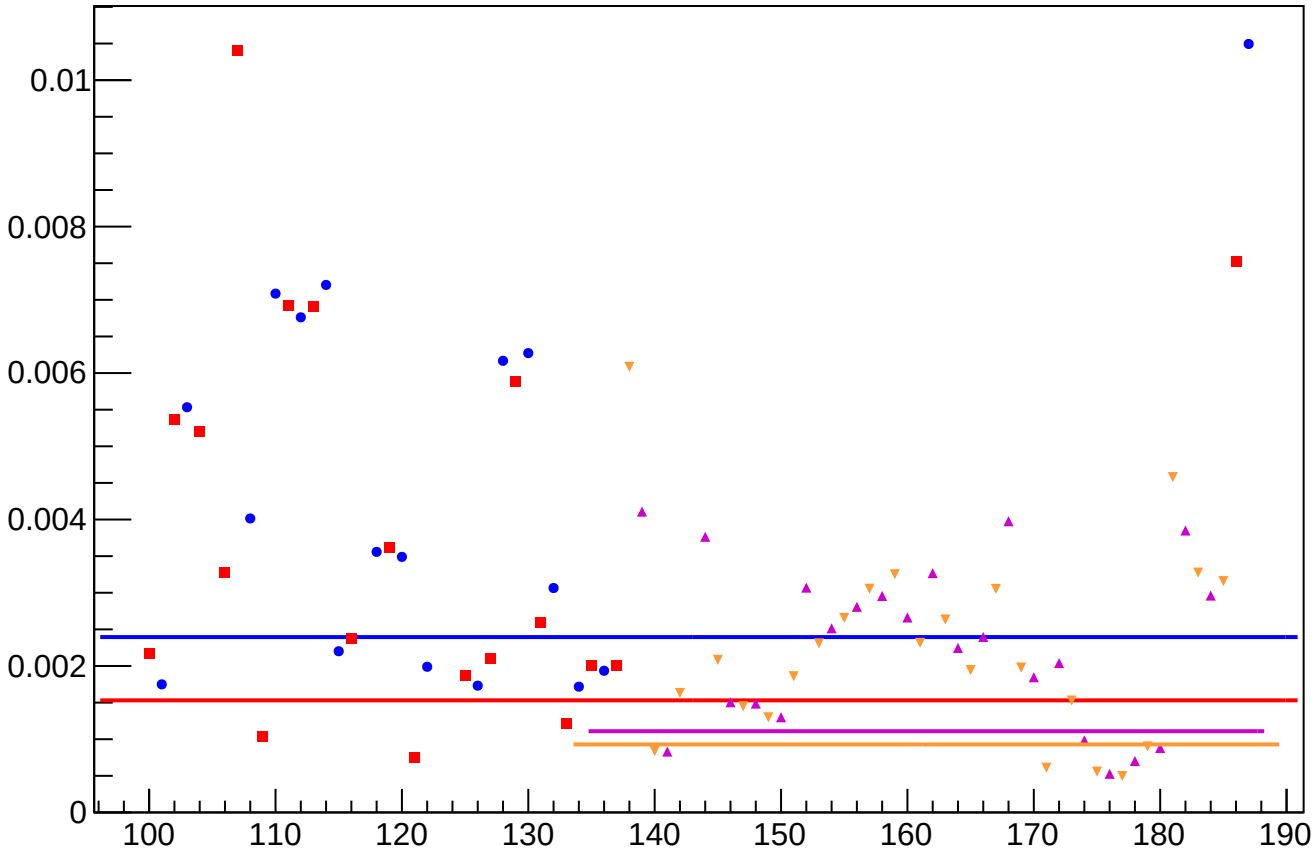
Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.9/40

All: -0.000+/-0.000 χ^2/NDF: 116.8/82

- sign -0.000+/-0.000 χ^2/NDF: 37.8/41



Right In: 0.002+/-0.000 χ^2/NDF: 3057124.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

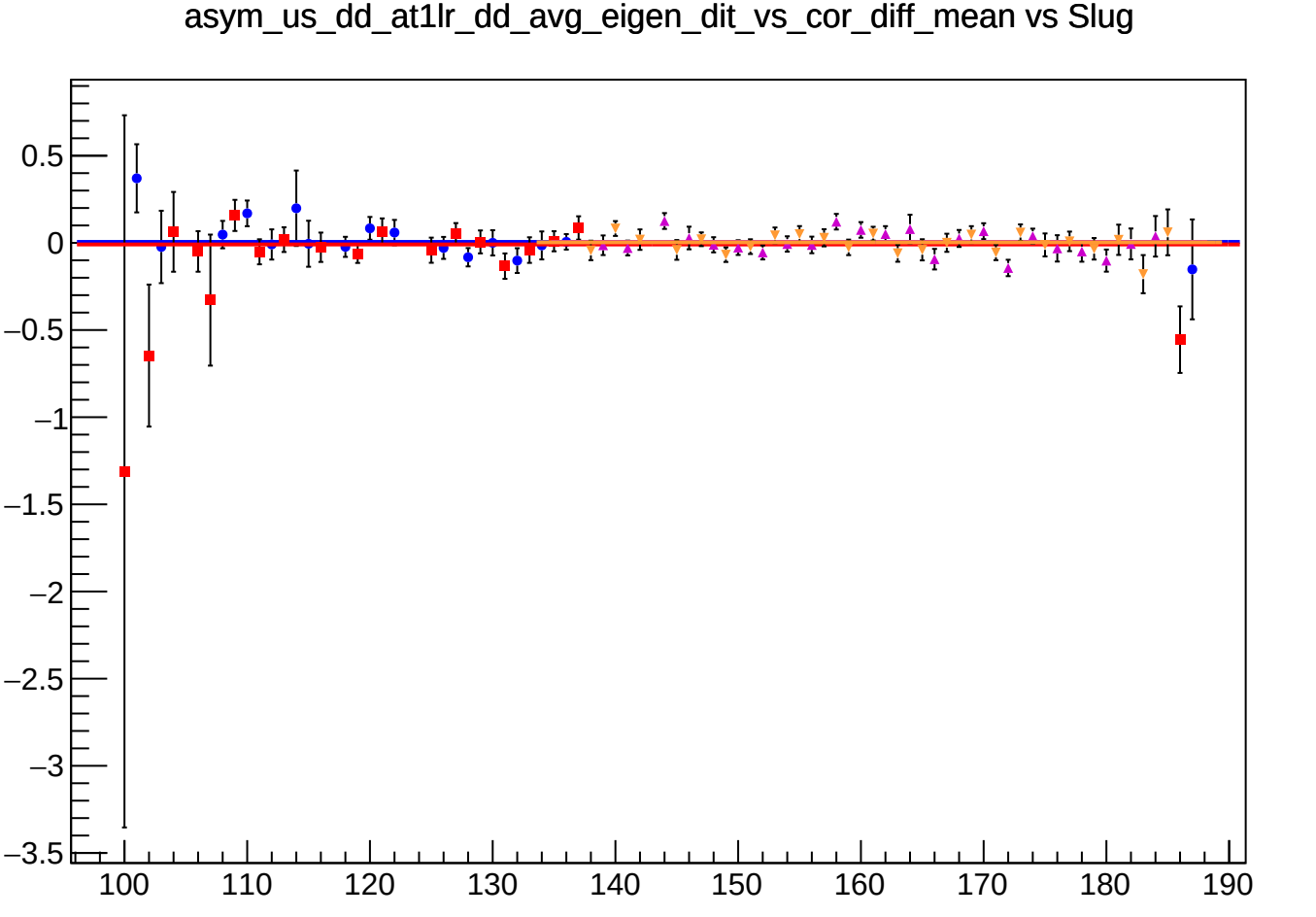
Right Out: 0.002+/-0.000 χ^2/NDF: 5514851.8/18

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 19493783.3/40

All: 0.001+/-0.000 χ^2/NDF: 36787645.2/82

- sign 0.001+/-0.000 χ^2/NDF: 17016671.8/41



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

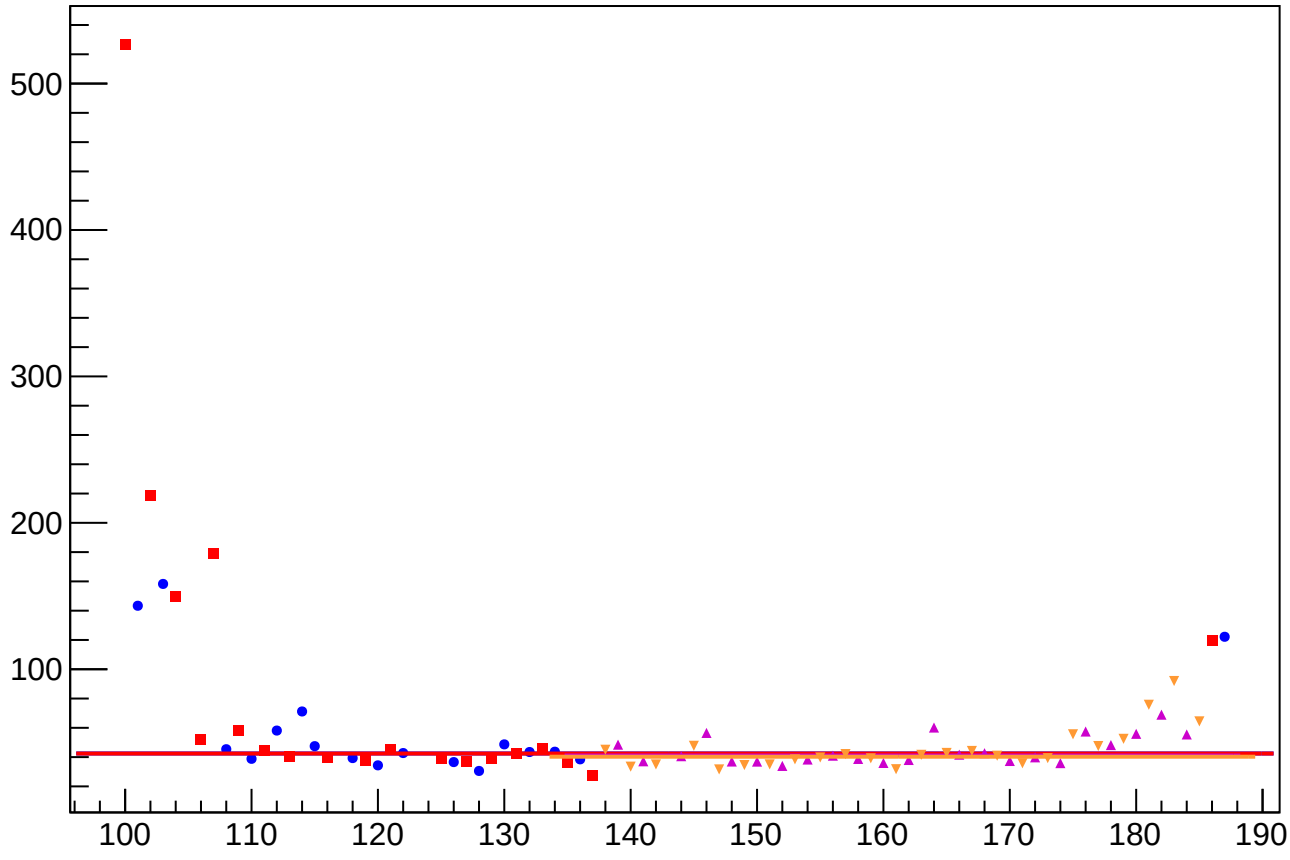
Right Out: -0.009+/-0.019 χ^2/NDF: 24.5/18

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.009 χ^2/NDF: 39.4/40

All: 0.003+/-0.006 χ^2/NDF: 105.8/82

- sign 0.002+/-0.009 χ^2/NDF: 66.4/41



Right In: 42.487+/-0.013 χ^2/NDF: 1609944.5/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

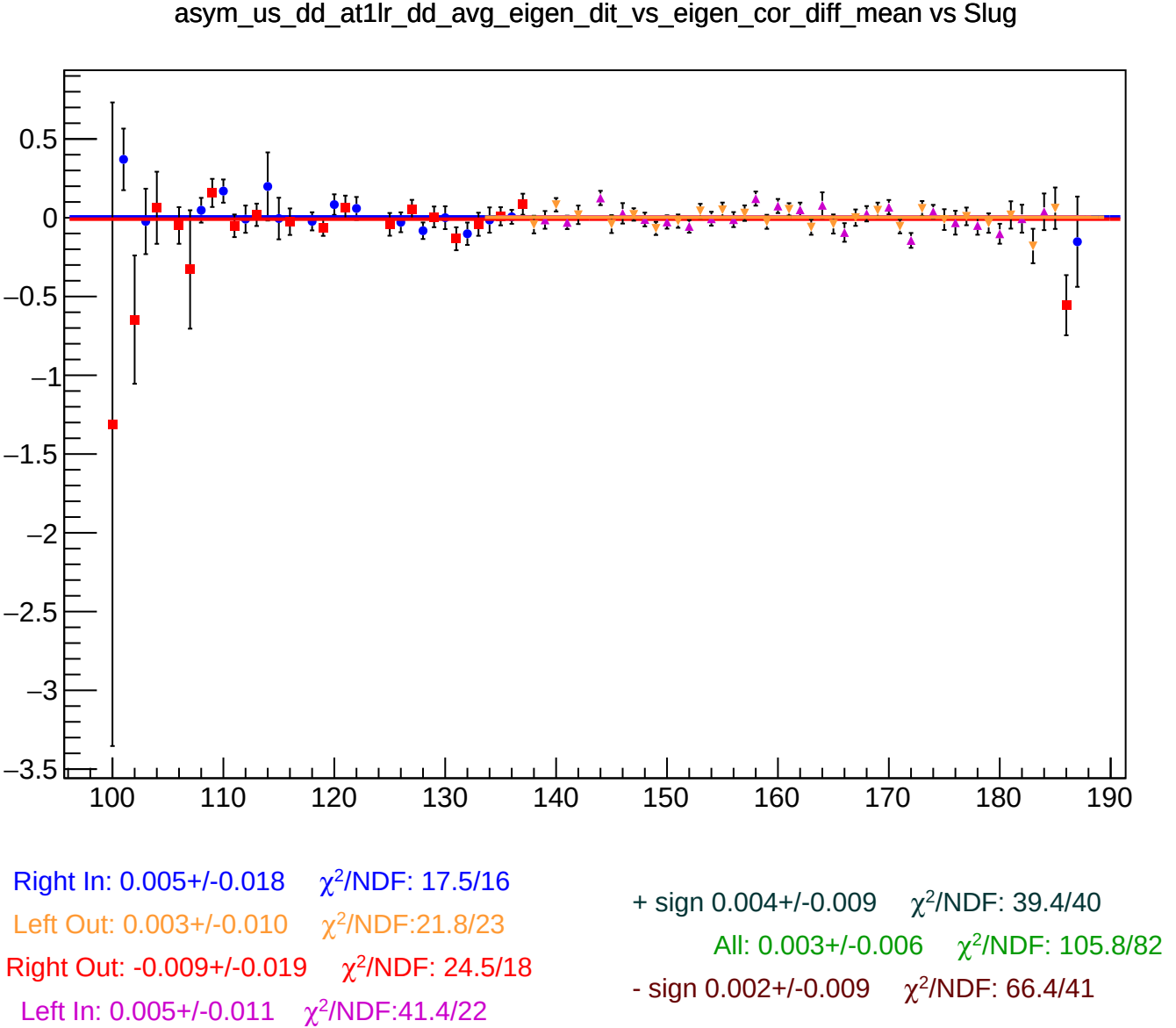
Right Out: 42.426+/-0.013 χ^2/NDF: 1772894.7/18

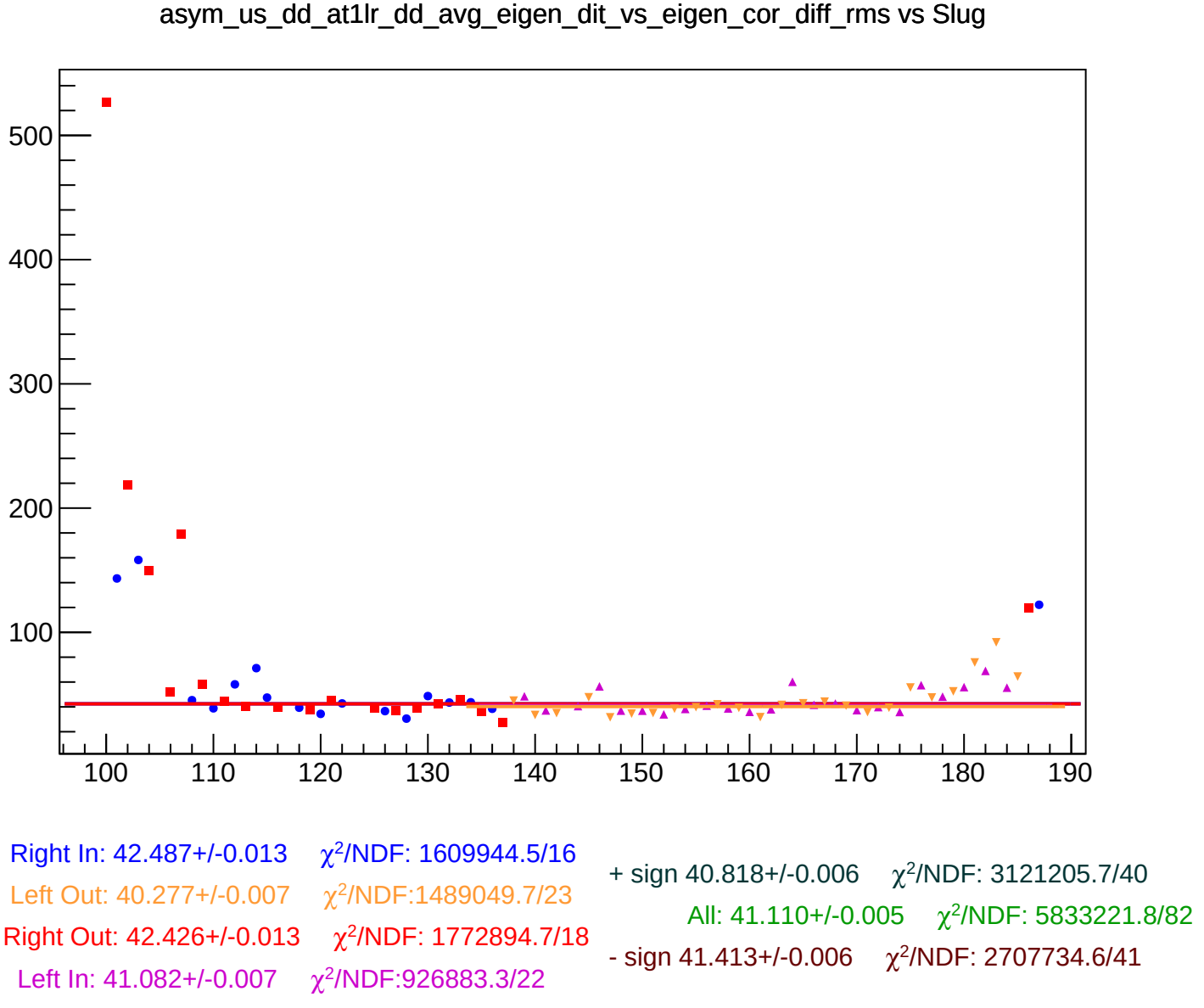
Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

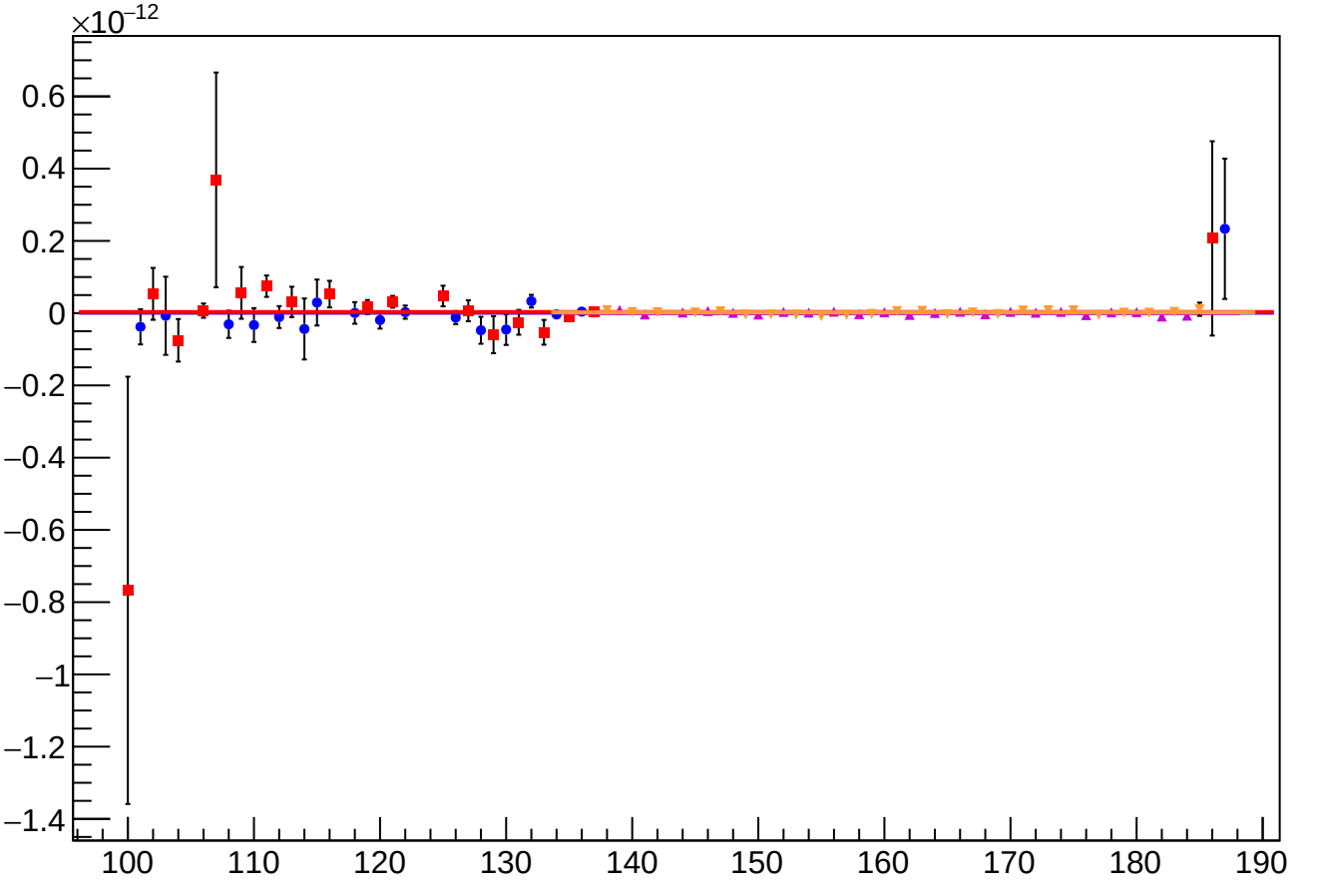
\+ sign 40.818+/-0.006 χ^2/NDF: 3121205.7/40

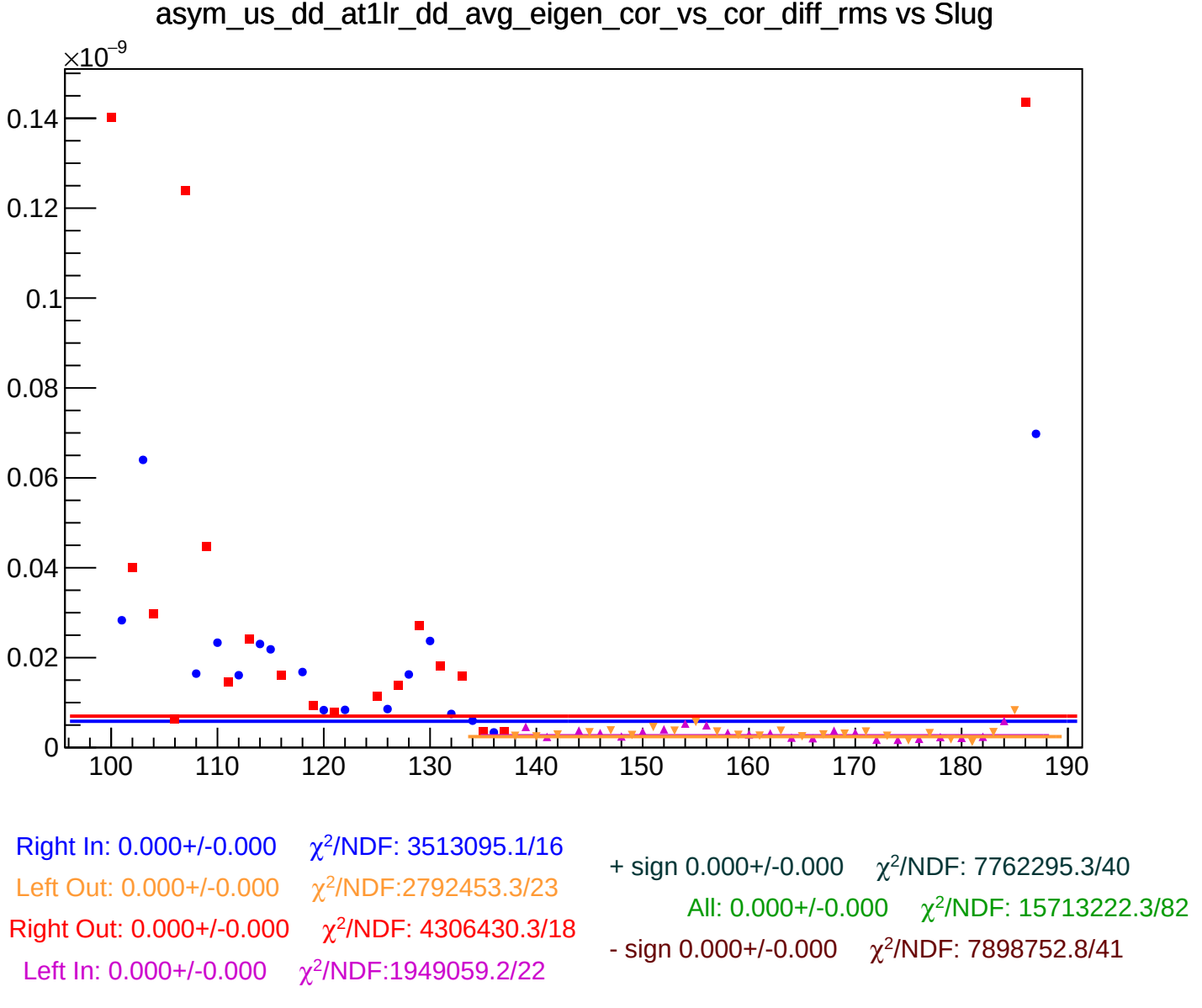
All: 41.110+/-0.005 χ^2/NDF: 5833221.8/82

\- sign 41.413+/-0.006 χ^2/NDF: 2707734.6/41

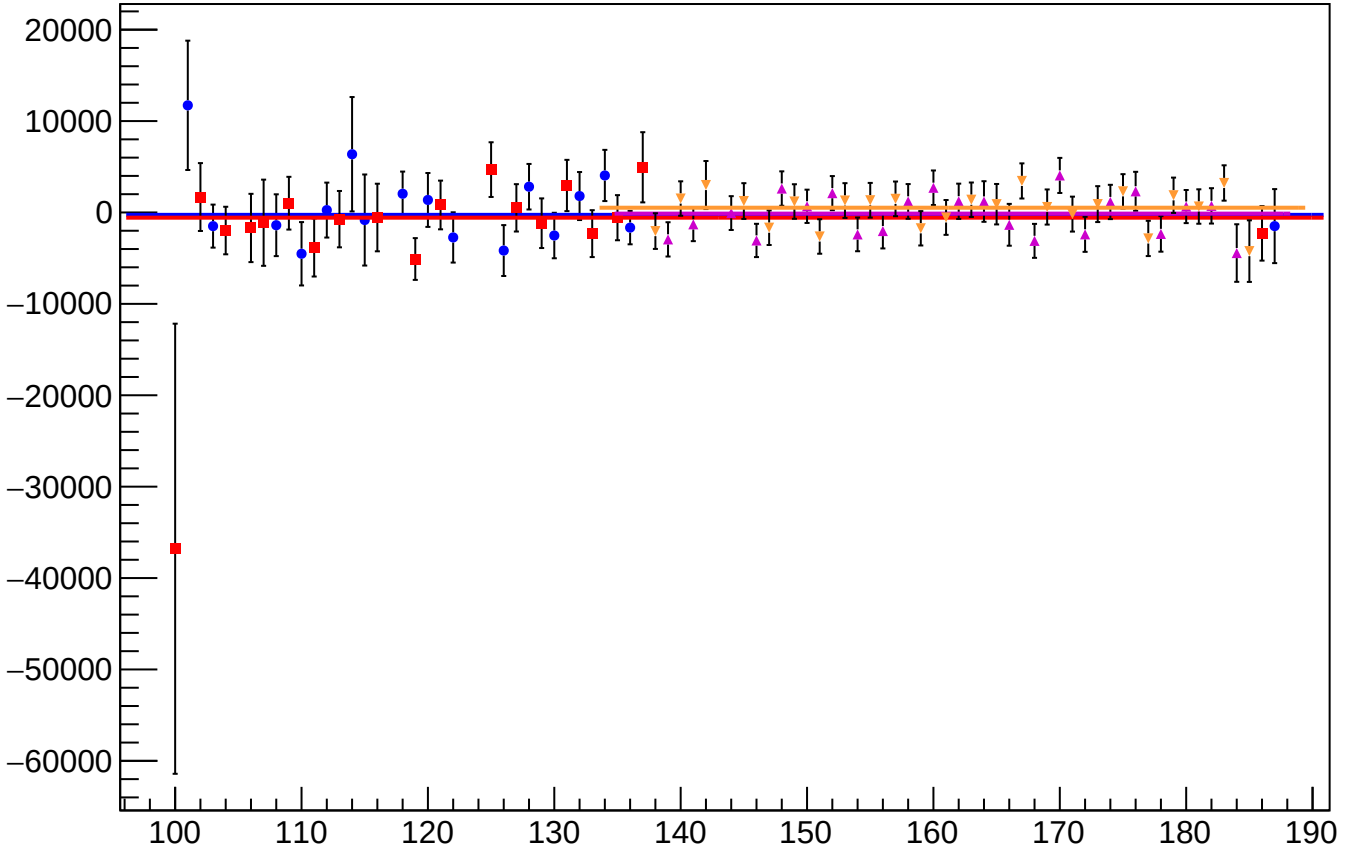

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.005+/-0.018 χ²/NDF: 17.5/16
Left Out: 0.003+/-0.010 χ²/NDF:21.8/23
Right Out: -0.009+/-0.019 χ²/NDF: 24.5/18
Left In: 0.005+/-0.011 χ²/NDF:41.4/22
+ sign 0.004+/-0.009 χ²/NDF: 39.4/40
All: 0.003+/-0.006 χ²/NDF: 105.8/82
- sign 0.002+/-0.009 χ²/NDF: 66.4/41


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
500
400
300
200
100
100
110
120
130
140
150
160
170
180
190
Right In: 42.487+/-0.013 χ²/NDF: 1609944.5/16
Left Out: 40.277+/-0.007 χ²/NDF:1489049.7/23
Right Out: 42.426+/-0.013 χ²/NDF: 1772894.7/18
Left In: 41.082+/-0.007 χ²/NDF:926883.3/22
+ sign 40.818+/-0.006 χ²/NDF: 3121205.7/40
All: 41.110+/-0.005 χ²/NDF: 5833221.8/82
- sign 41.413+/-0.006 χ²/NDF: 2707734.6/41


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.0/16
Left Out: 0.000+/-0.000 χ²/NDF:25.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 29.4/18
Left In: 0.000+/-0.000 χ²/NDF:23.1/22
+ sign 0.000+/-0.000 χ²/NDF: 37.2/40
All: 0.000+/-0.000 χ²/NDF: 92.0/82
- sign 0.000+/-0.000 χ²/NDF: 52.9/41


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3513095.1/16
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 4306430.3/18
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
+ sign 0.000+/-0.000 χ²/NDF: 7762295.3/40
All: 0.000+/-0.000 χ²/NDF: 15713222.3/82
- sign 0.000+/-0.000 χ²/NDF: 7898752.8/41

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -260.756+/-698.522 χ^2/NDF: 15.9/16

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -569.974+/-692.065 χ^2/NDF: 16.2/18

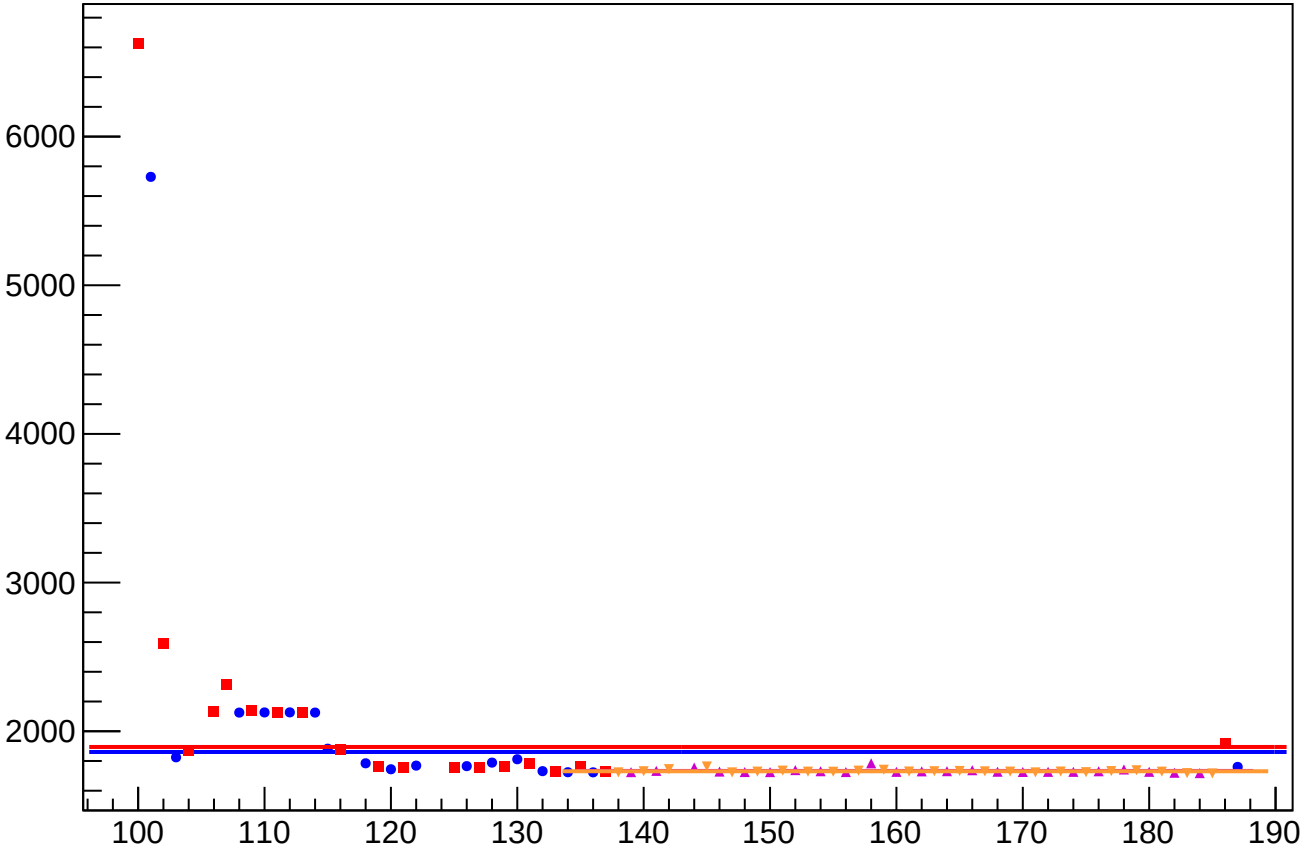
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 325.910+/-348.229 χ^2/NDF: 37.6/40

All: 44.265+/-246.615 χ^2/NDF: 84.9/82

- sign -239.127+/-349.307 χ^2/NDF: 46.0/41

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.1/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

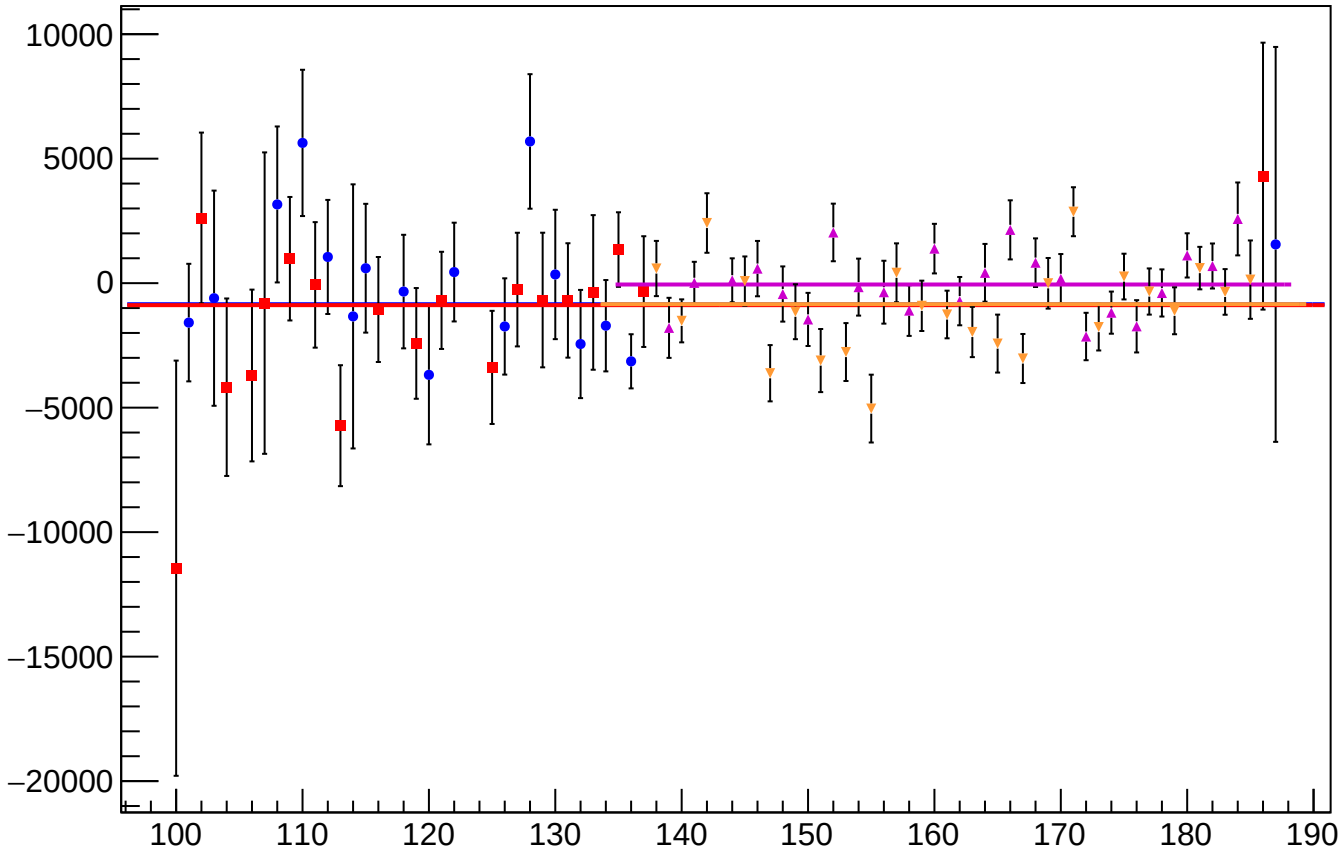
Right Out: 1894.275+/-0.489 χ^2/NDF: 251658.8/18

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.070+/-0.246 χ^2/NDF: 728682.4/40

All: 1768.564+/-0.174 χ^2/NDF: 1064511.8/82

- sign 1774.091+/-0.247 χ^2/NDF: 334830.9/41



Right In: -845.747+/-548.475 χ^2/NDF: 20.7/16

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -883.223+/-580.533 χ^2/NDF: 13.9/18

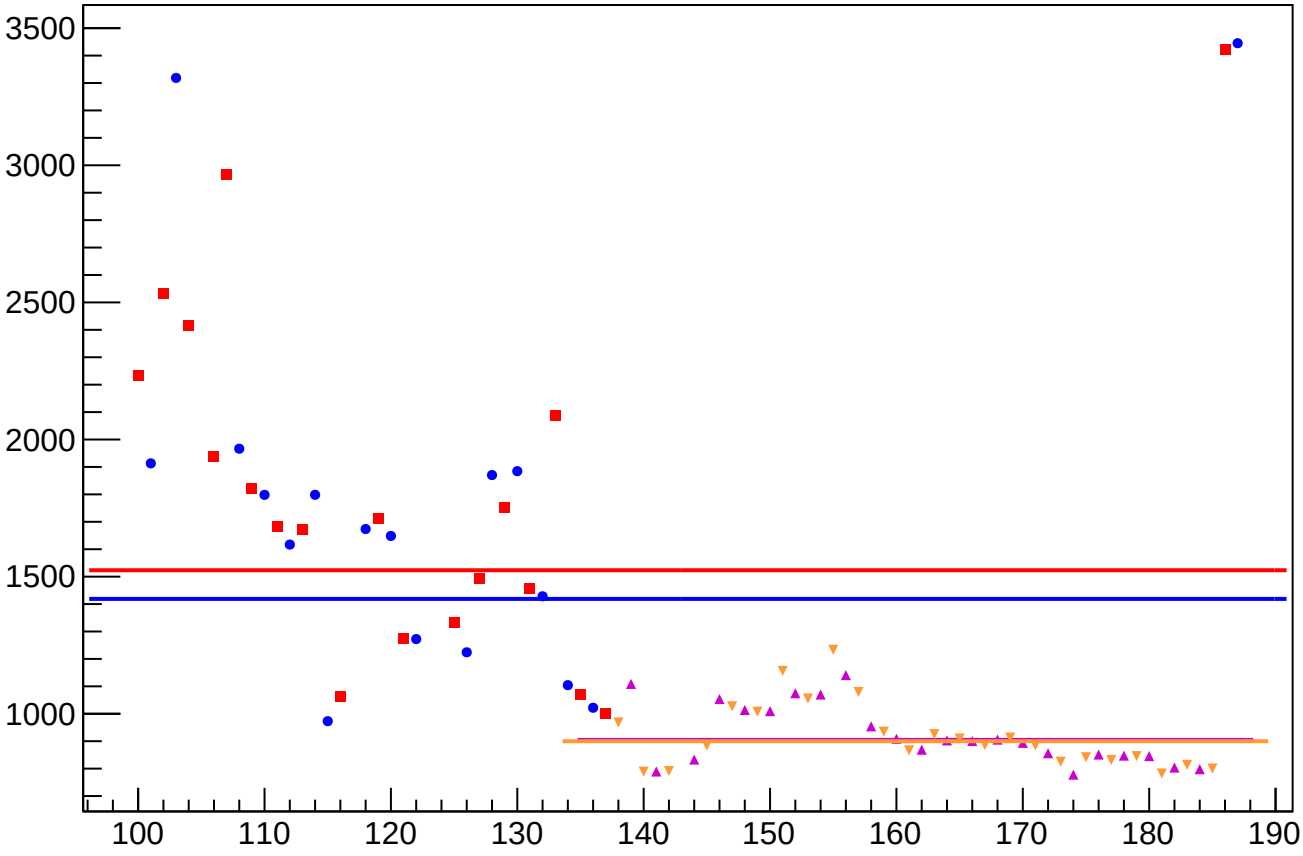
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

\+ sign -842.863+/-196.810 χ^2/NDF: 83.4/40

All: -503.011+/-140.258 χ^2/NDF: 135.7/82

\- sign -152.273+/-199.937 χ^2/NDF: 46.3/41

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1418.834+/-0.388 χ^2/NDF: 1298898.2/16

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1523.322+/-0.410 χ^2/NDF: 1284398.2/18

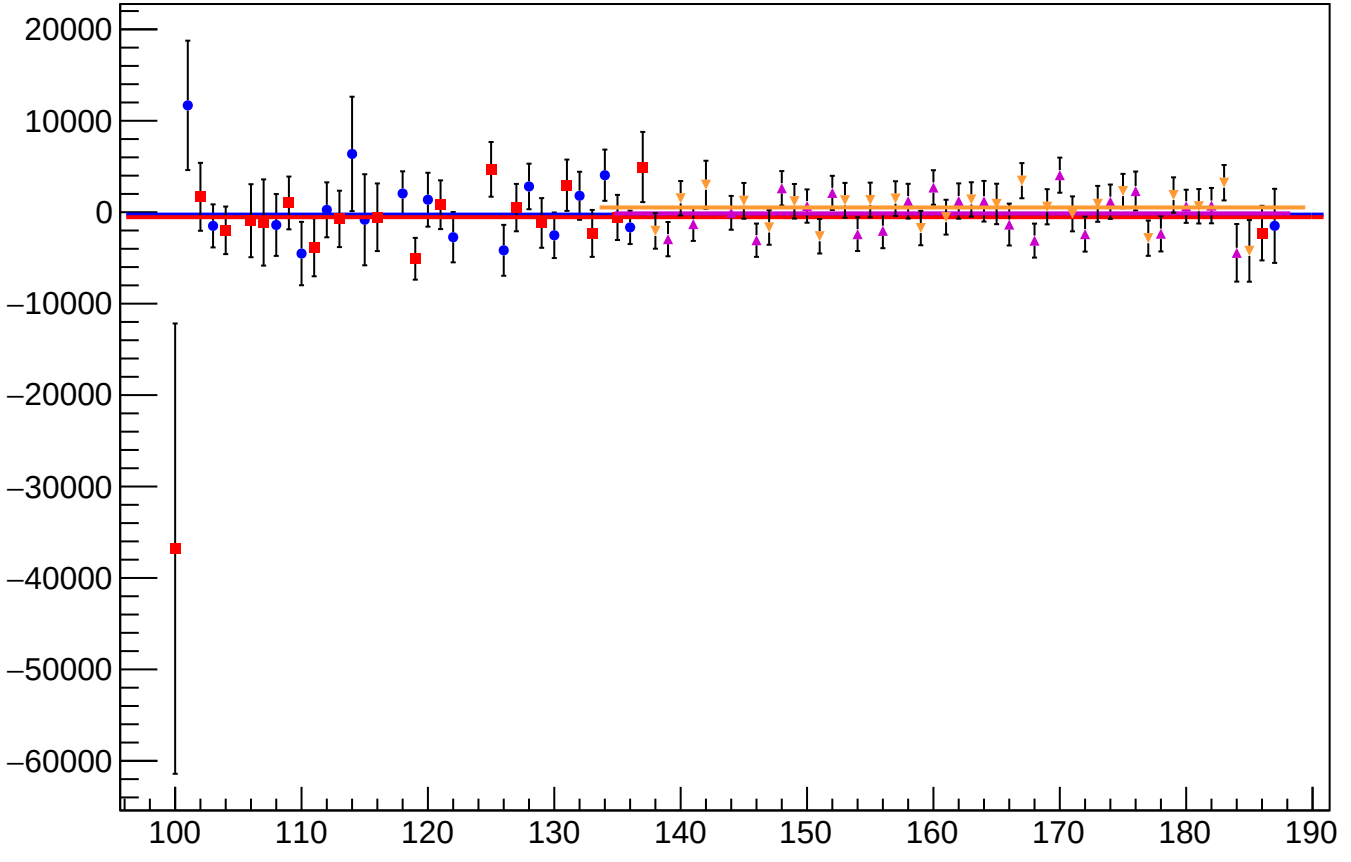
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 966.641+/-0.139 χ^2/NDF: 3354594.5/40

All: 972.250+/-0.099 χ^2/NDF: 7096507.4/82

- sign 978.038+/-0.141 χ^2/NDF: 3738612.1/41

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -261.503+/-698.522 χ^2/NDF: 15.9/16

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -542.601+/-693.559 χ^2/NDF: 16.1/18

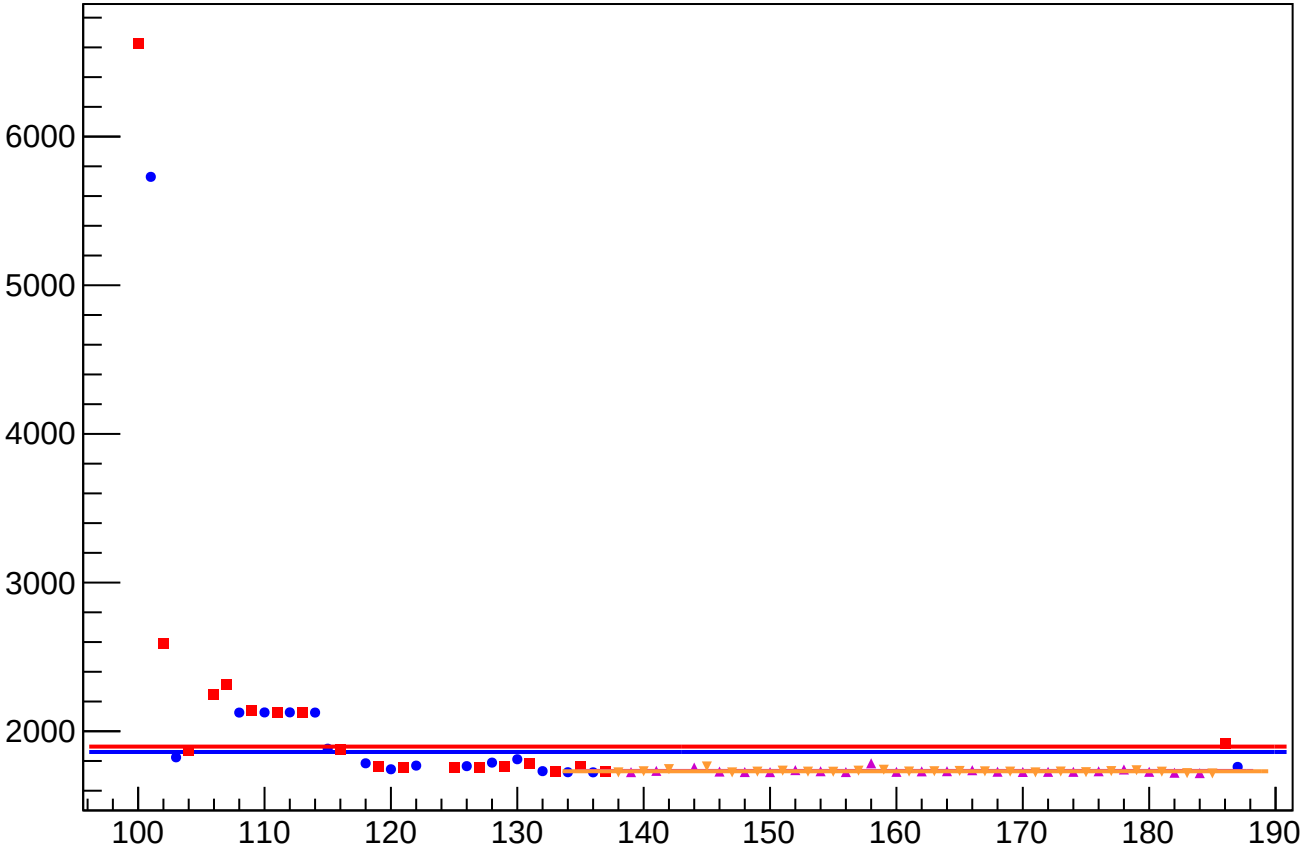
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 325.745+/-348.229 χ^2/NDF: 37.6/40

All: 47.958+/-246.683 χ^2/NDF: 84.8/82

- sign -231.858+/-349.499 χ^2/NDF: 45.9/41

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.0/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

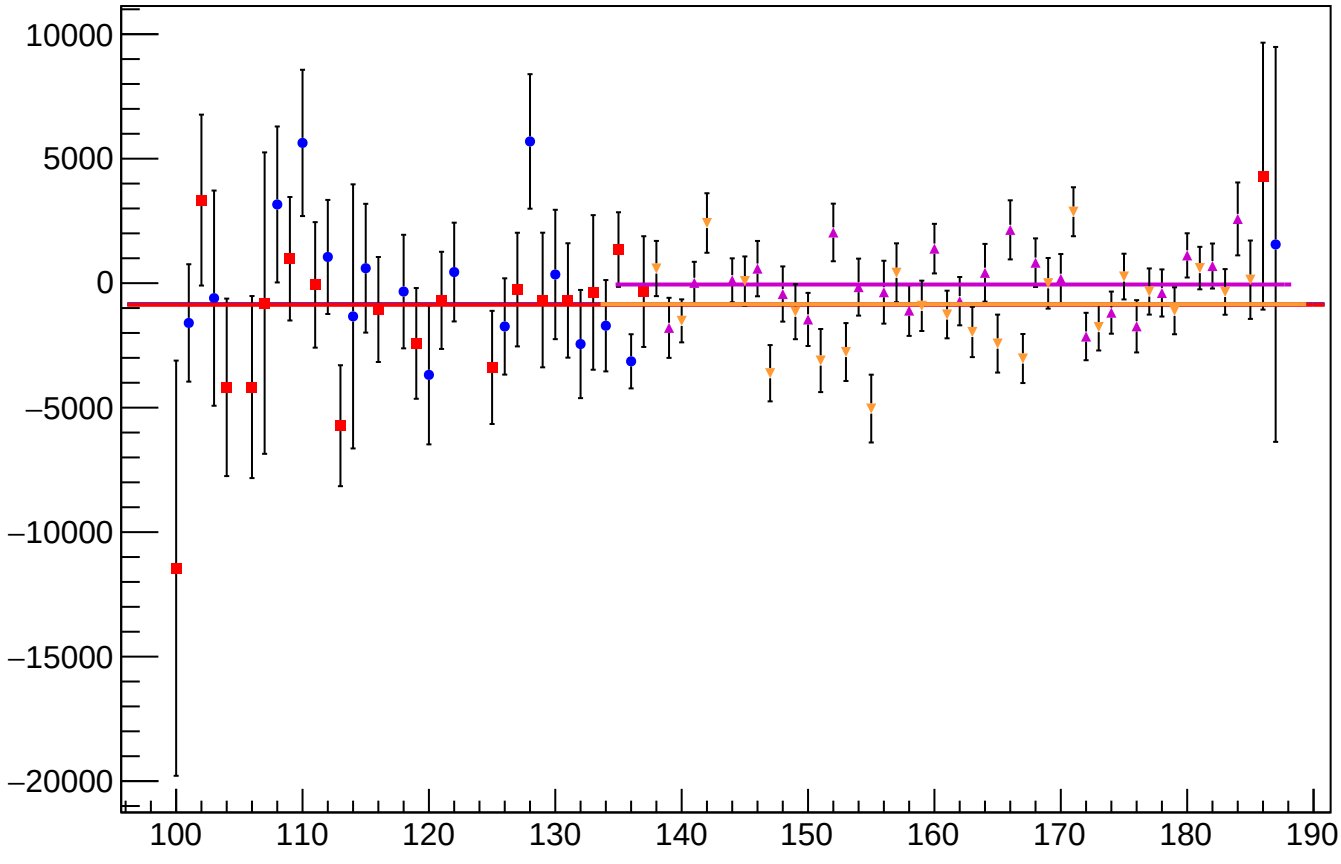
Right Out: 1896.765+/-0.490 χ^2/NDF: 259289.8/18

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.070+/-0.246 χ^2/NDF: 728682.2/40

All: 1768.810+/-0.174 χ^2/NDF: 1074485.3/82

- sign 1774.591+/-0.247 χ^2/NDF: 344712.4/41



Right In: -846.567+/-548.432 χ^2/NDF: 20.7/16

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -865.709+/-581.436 χ^2/NDF: 14.5/18

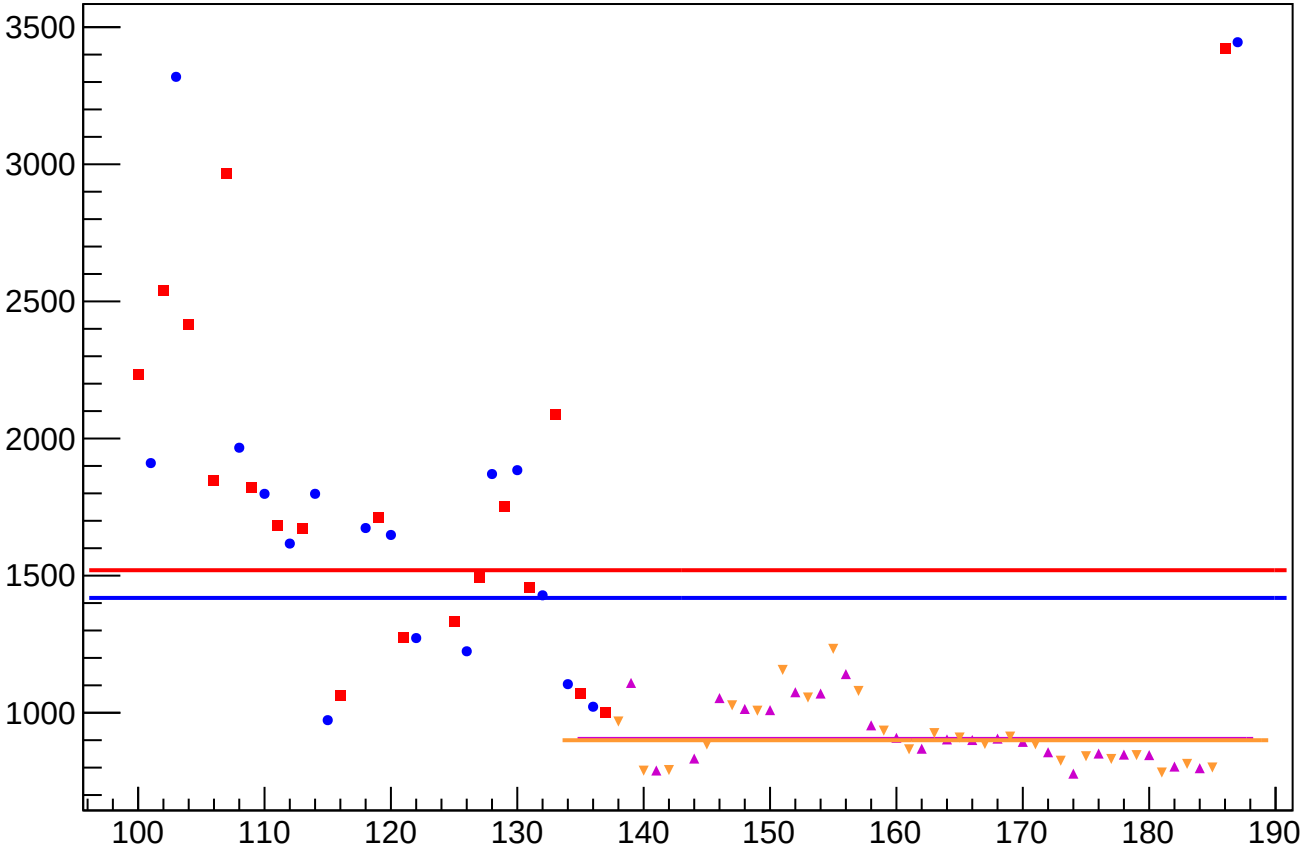
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -843.000+/-196.808 χ^2/NDF: 83.4/40

All: -502.003+/-140.270 χ^2/NDF: 136.3/82

\- sign -149.951+/-199.973 χ^2/NDF: 46.8/41

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1418.755+/-0.388 χ^2/NDF: 1298267.3/16

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1519.783+/-0.411 χ^2/NDF: 1272707.2/18

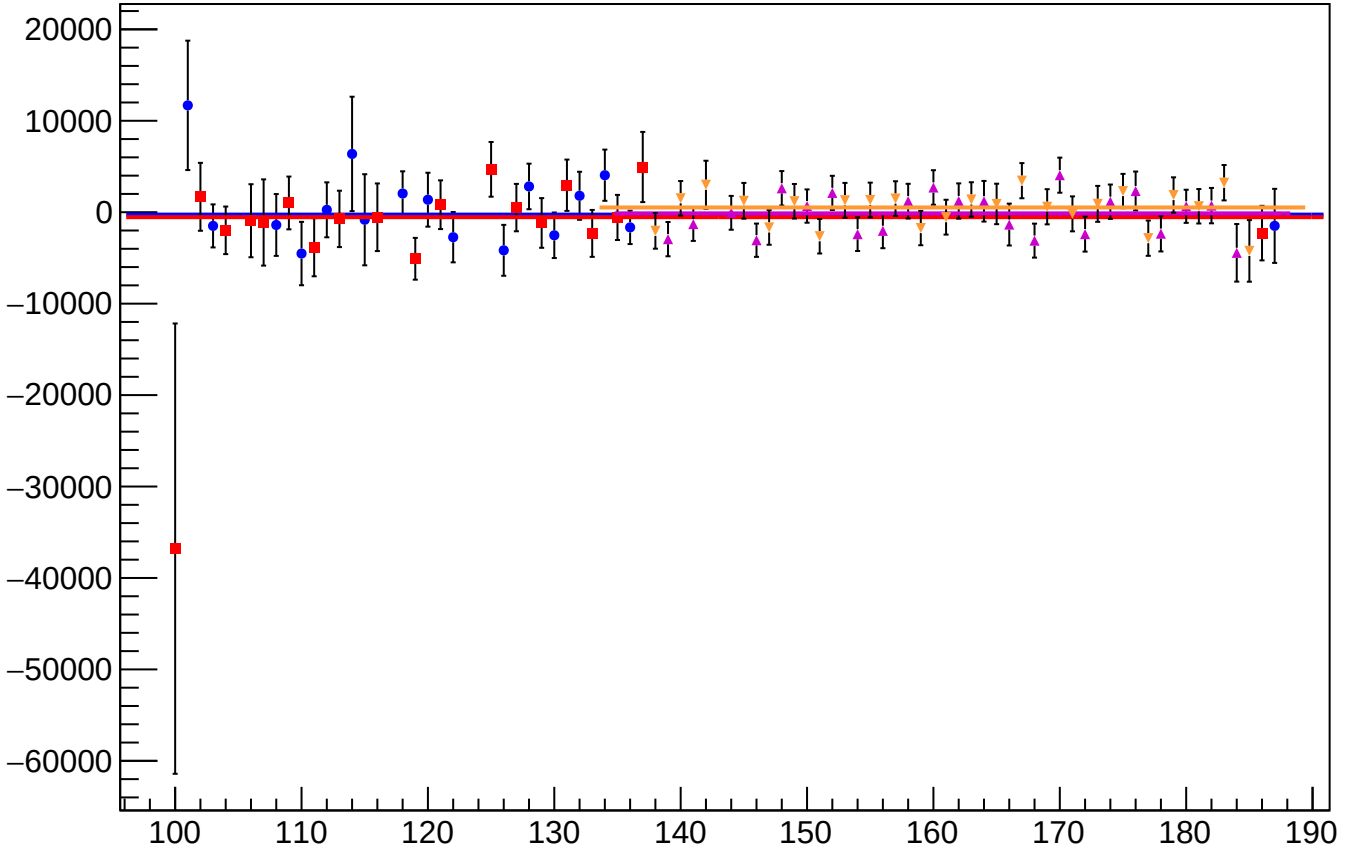
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

\+ sign 966.642+/-0.139 χ^2/NDF: 3353631.5/40

All: 971.943+/-0.099 χ^2/NDF: 7055276.7/82

\- sign 977.415+/-0.141 χ^2/NDF: 3698696.6/41

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -261.503+/-698.522 χ^2/NDF: 15.9/16

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -542.601+/-693.559 χ^2/NDF: 16.1/18

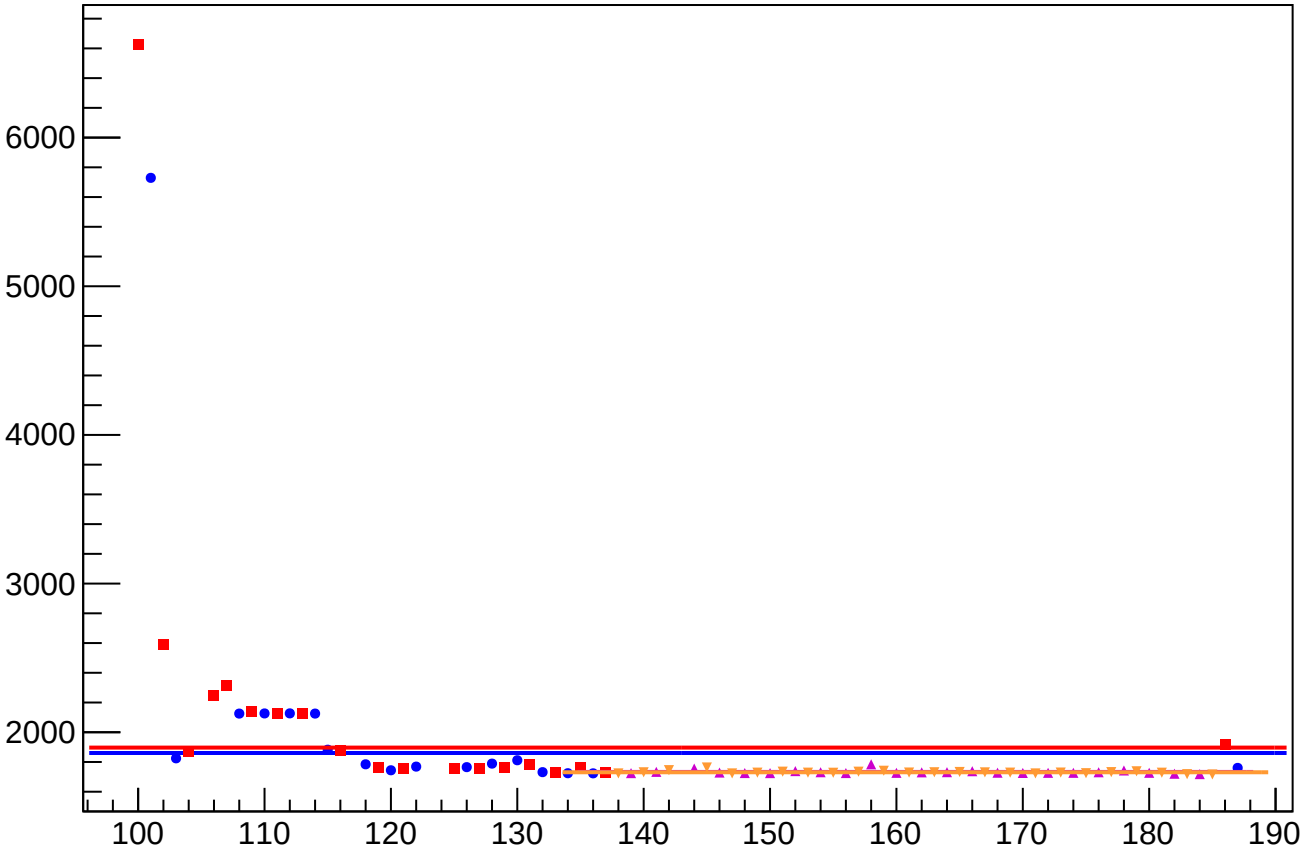
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 325.745+/-348.229 χ^2/NDF: 37.6/40

All: 47.958+/-246.683 χ^2/NDF: 84.8/82

- sign -231.858+/-349.499 χ^2/NDF: 45.9/41

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.0/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

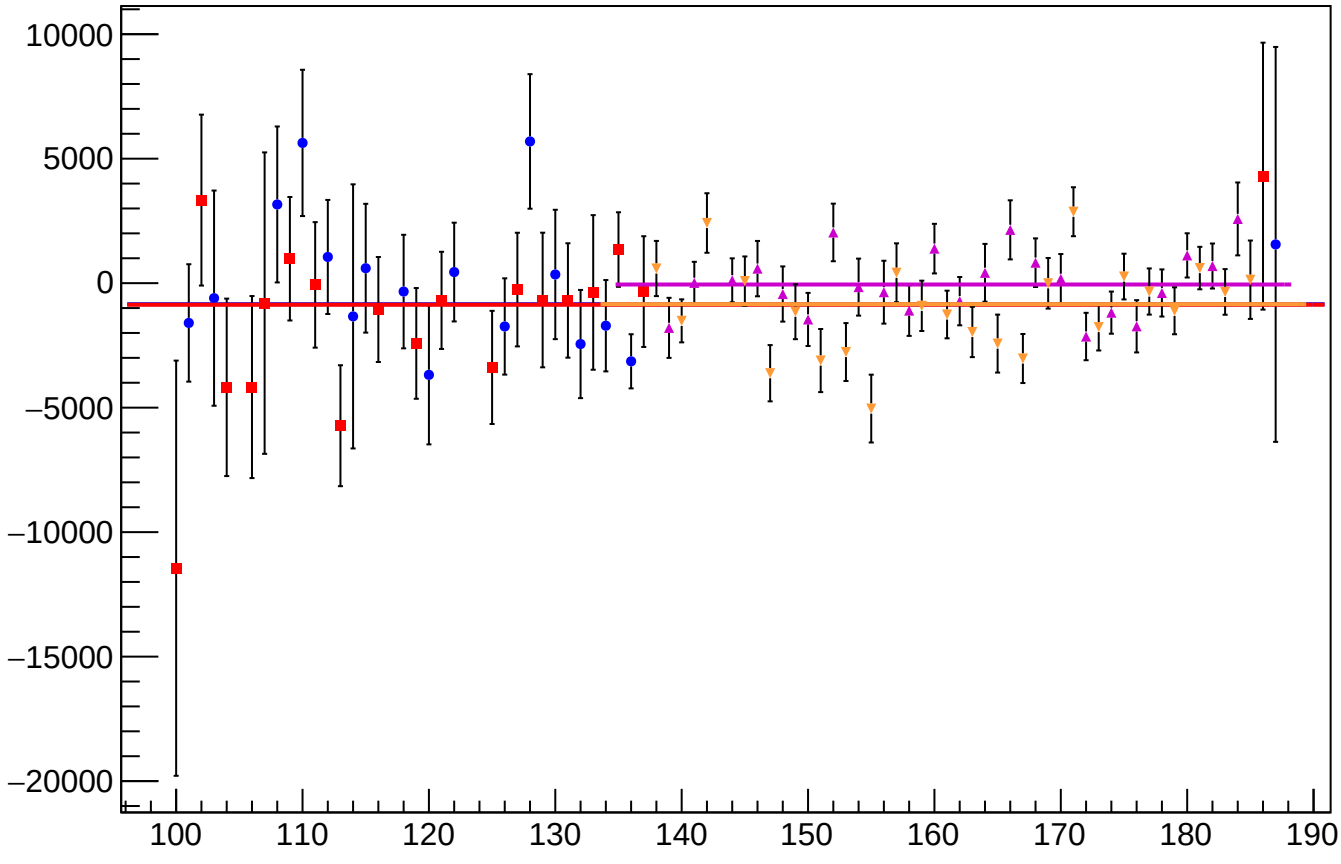
Right Out: 1896.765+/-0.490 χ^2/NDF: 259289.8/18

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1763.070+/-0.246 χ^2/NDF: 728682.2/40

All: 1768.810+/-0.174 χ^2/NDF: 1074485.3/82

- sign 1774.591+/-0.247 χ^2/NDF: 344712.4/41



Right In: -846.567+/-548.432 χ^2/NDF: 20.7/16

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

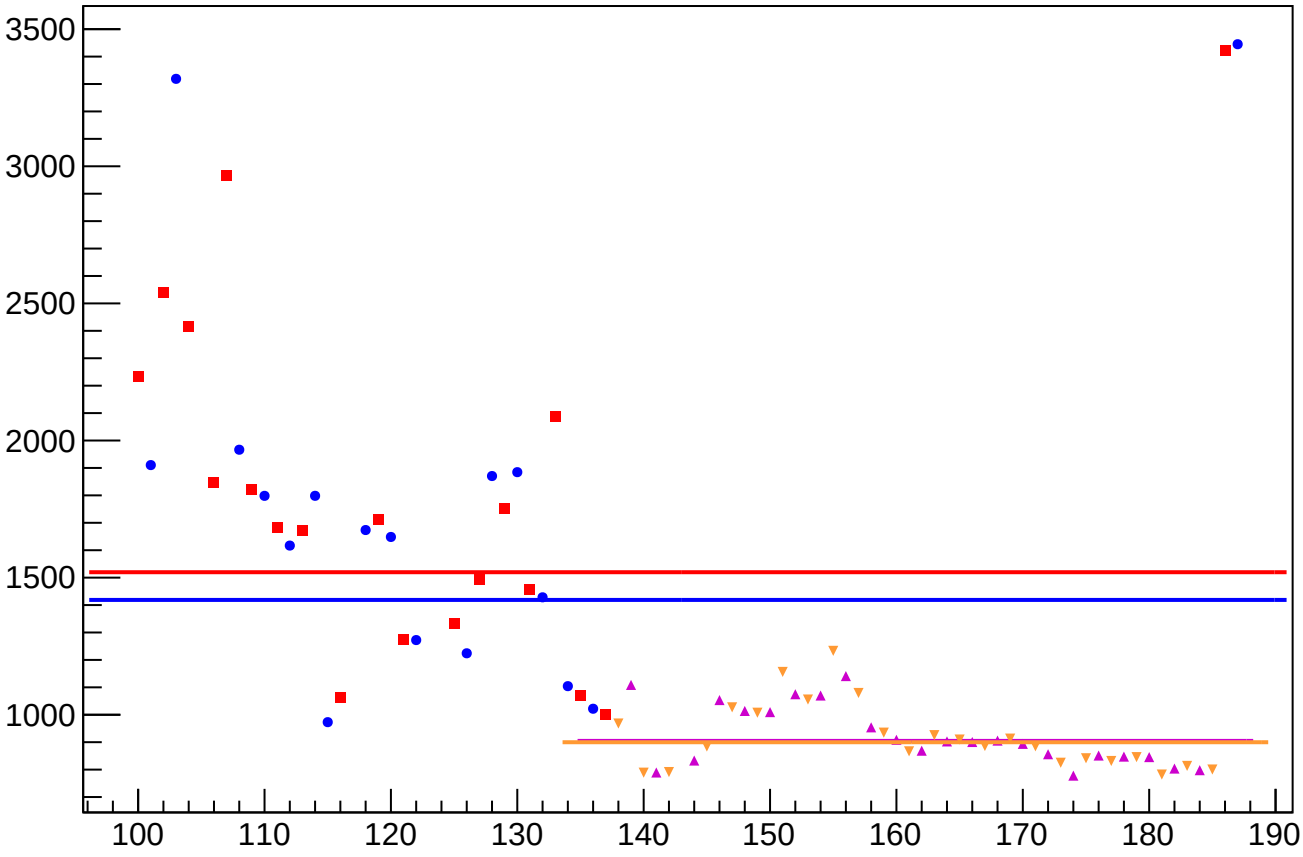
Right Out: -865.709+/-581.436 χ^2/NDF: 14.5/18

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

\+ sign -843.000+/-196.808 χ^2/NDF: 83.4/40

All: -502.003+/-140.270 χ^2/NDF: 136.3/82

\- sign -149.951+/-199.973 χ^2/NDF: 46.8/41



Right In: 1418.755+/-0.388 χ^2/NDF: 1298267.3/16

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1519.783+/-0.411 χ^2/NDF: 1272707.2/18

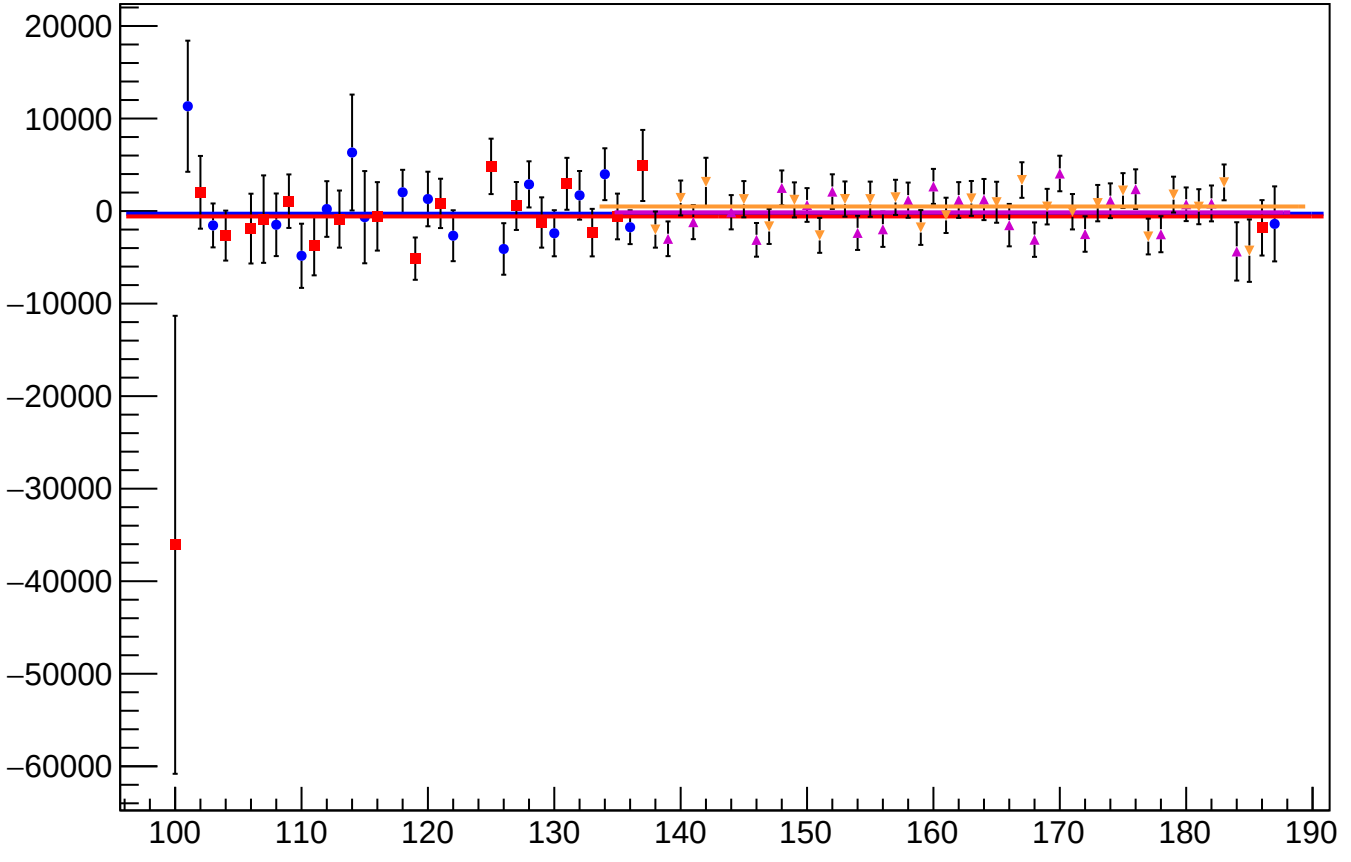
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

\+ sign 966.642+/-0.139 χ^2/NDF: 3353631.5/40

All: 971.943+/-0.099 χ^2/NDF: 7055276.7/82

\- sign 977.415+/-0.141 χ^2/NDF: 3698696.6/41

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -285.746+/-699.326 χ^2/NDF: 15.7/16

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -580.464+/-695.850 χ^2/NDF: 16.6/18

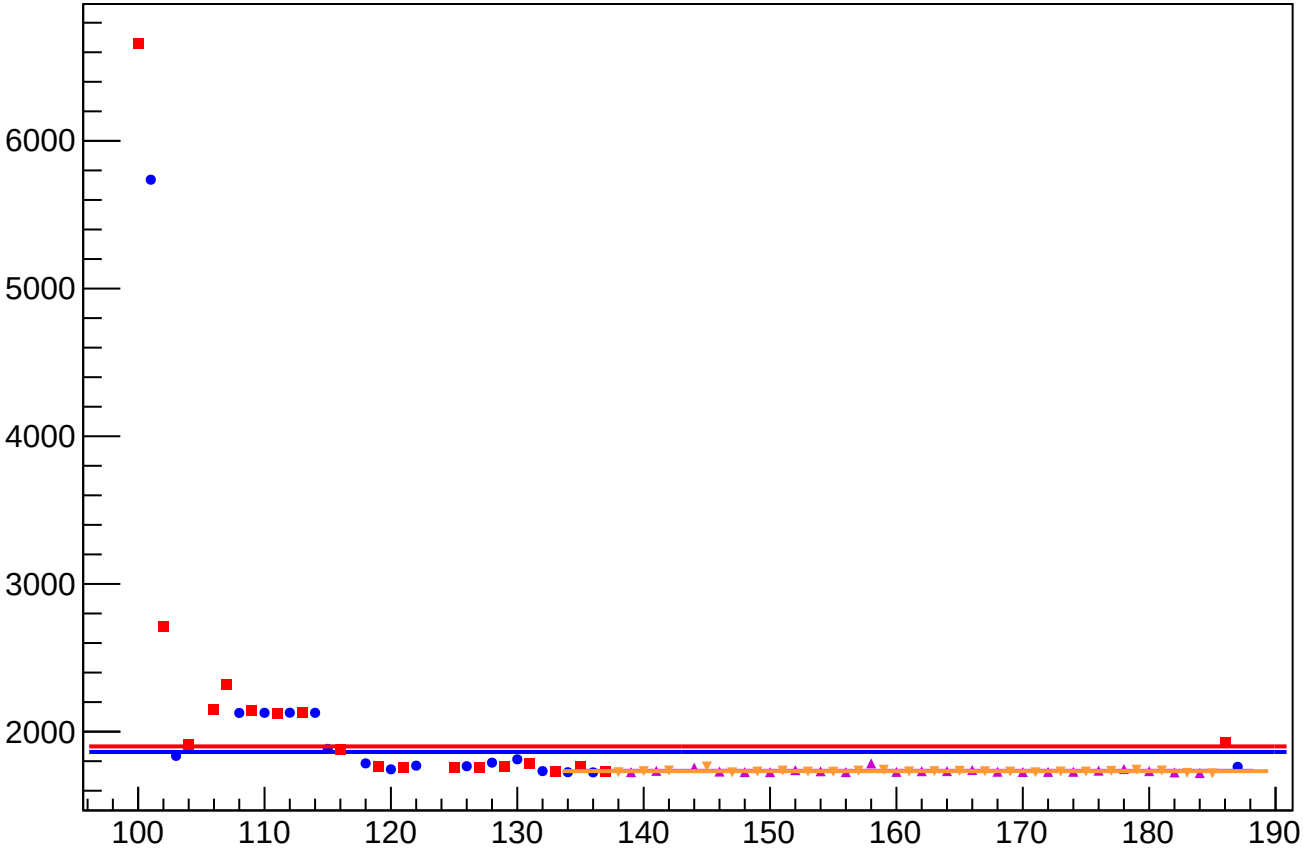
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 300.960+/-348.566 χ^2/NDF: 36.7/40

All: 26.965+/-246.988 χ^2/NDF: 84.4/82

- sign -249.331+/-350.027 χ^2/NDF: 46.4/41

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1862.353+/-0.494 χ^2/NDF: 676259.5/16

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

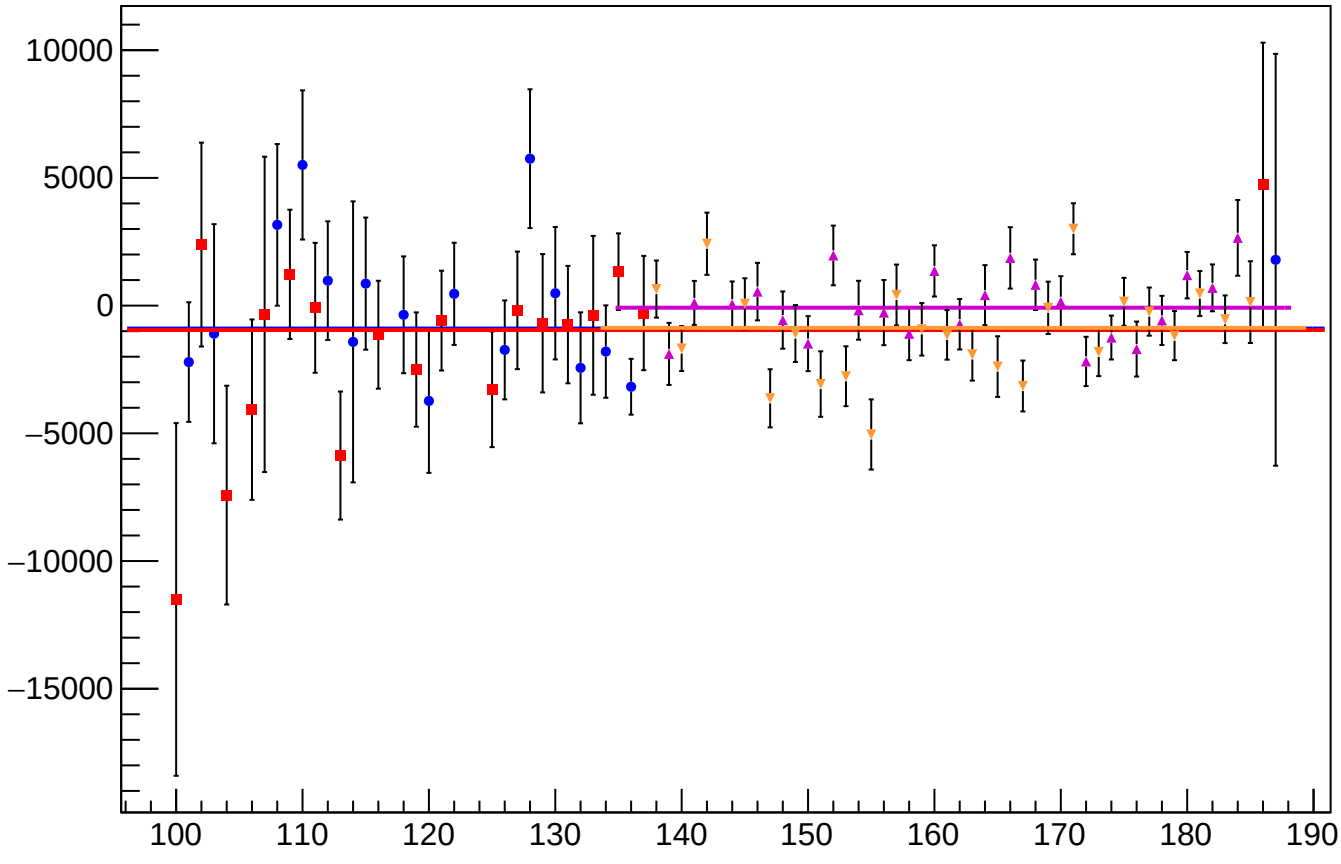
Right Out: 1900.082+/-0.492 χ^2/NDF: 269268.3/18

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.676+/-0.246 χ^2/NDF: 729084.7/40

All: 1770.538+/-0.175 χ^2/NDF: 1086226.6/82

- sign 1776.448+/-0.248 χ^2/NDF: 356006.1/41



Right In: -898.387+/-549.555 χ^2/NDF: 21.1/16

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -956.008+/-588.290 χ^2/NDF: 16.0/18

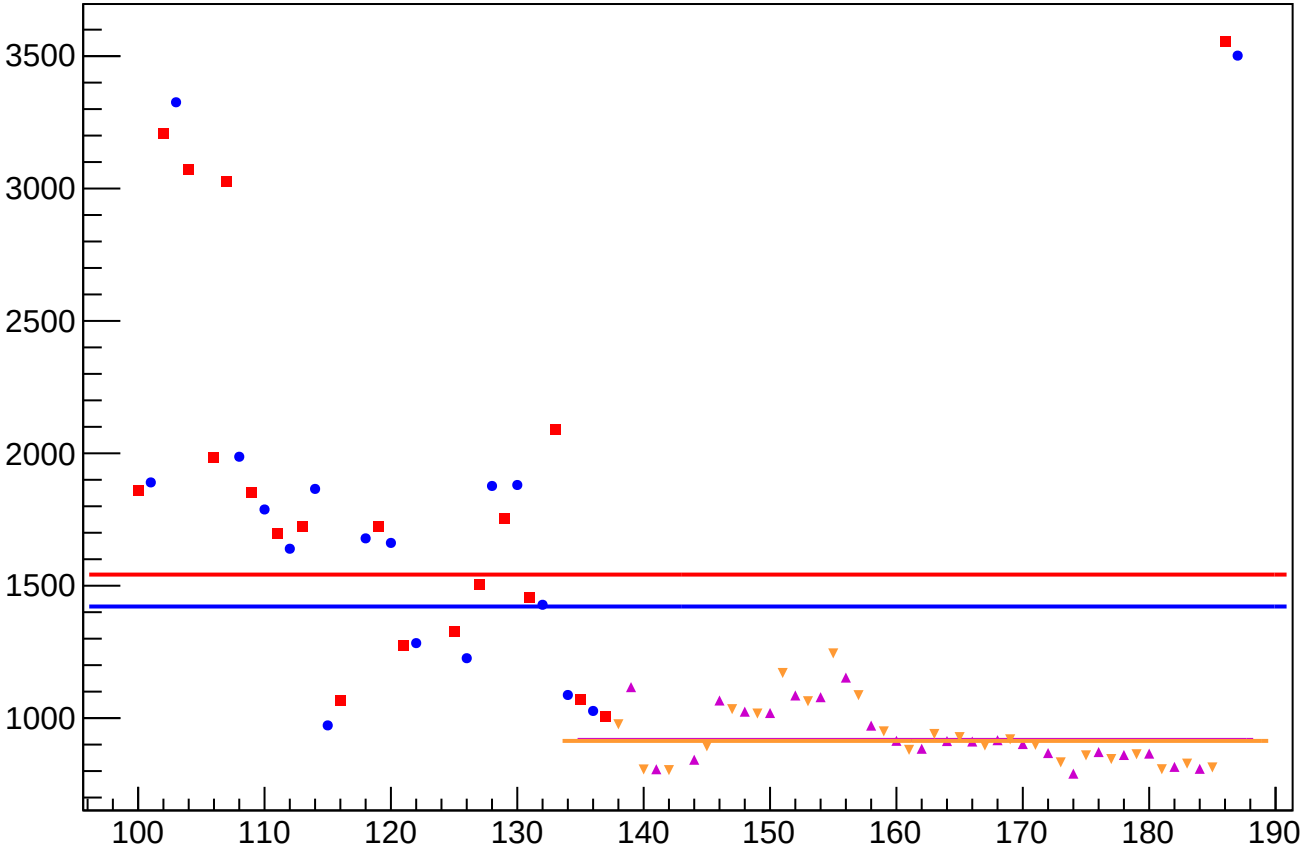
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -876.193+/-199.420 χ^2/NDF: 83.1/40

All: -536.384+/-142.154 χ^2/NDF: 136.9/82

- sign -185.332+/-202.693 χ^2/NDF: 47.9/41

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1421.462+/-0.389 χ^2/NDF: 1311573.6/16

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1542.017+/-0.416 χ^2/NDF: 1624276.8/18

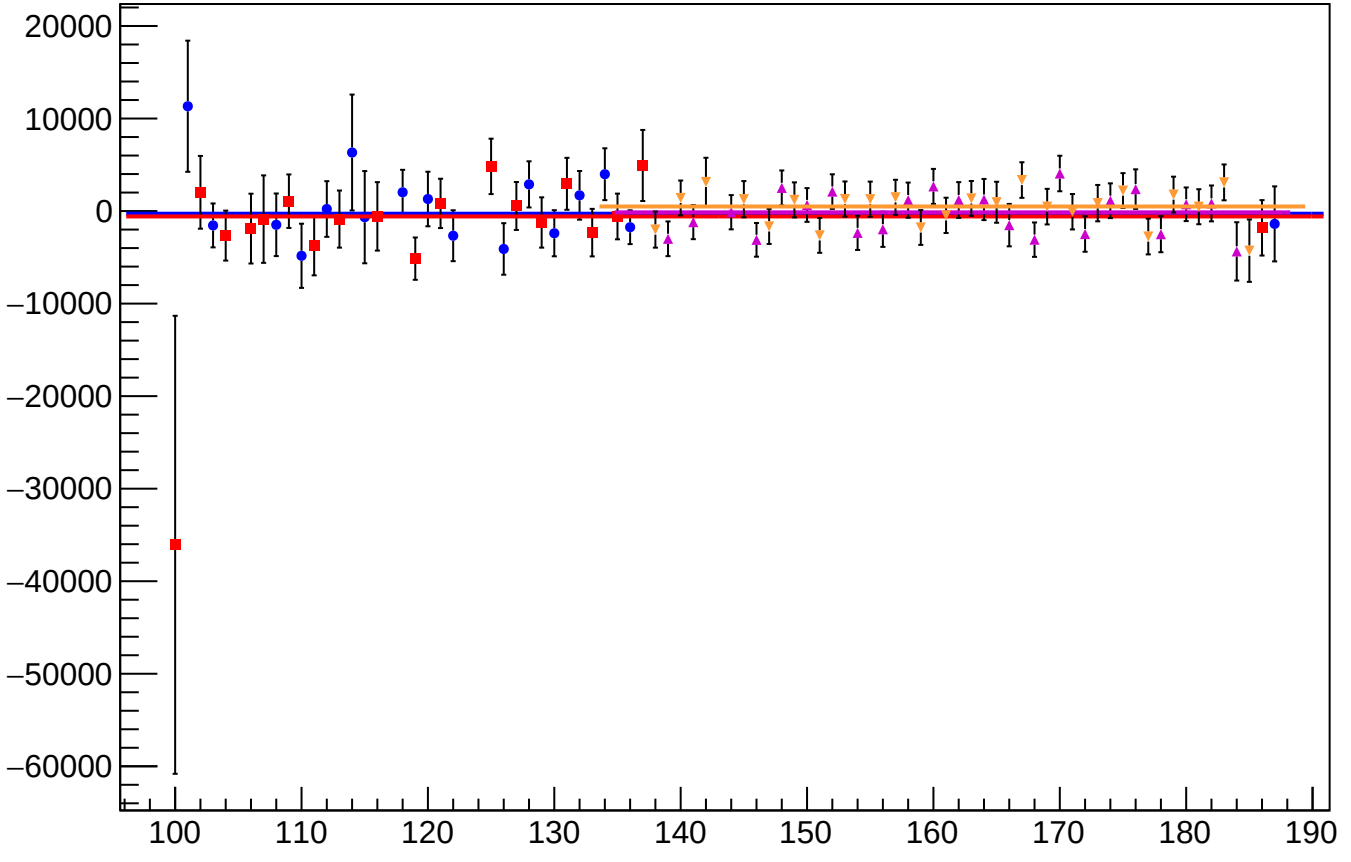
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 980.734+/-0.141 χ^2/NDF: 3255810.1/40

All: 986.173+/-0.101 χ^2/NDF: 7298841.6/82

- sign 991.791+/-0.143 χ^2/NDF: 4040007.4/41

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -285.745+/-699.326 χ^2/NDF: 15.7/16

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -580.462+/-695.850 χ^2/NDF: 16.6/18

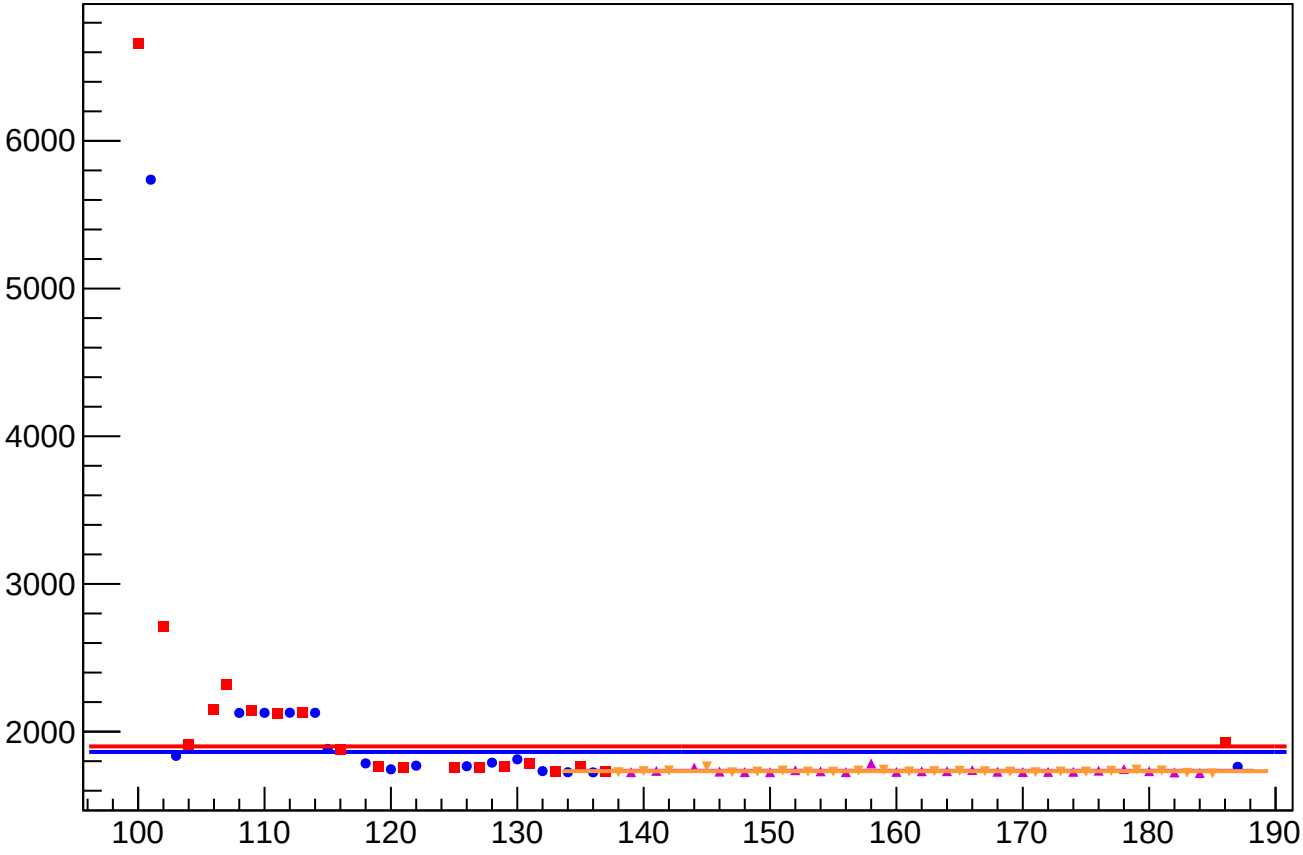
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 300.960+/-348.566 χ^2/NDF: 36.7/40

All: 26.965+/-246.988 χ^2/NDF: 84.4/82

- sign -249.331+/-350.027 χ^2/NDF: 46.4/41

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1862.353+/-0.494 χ^2/NDF: 676259.6/16

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

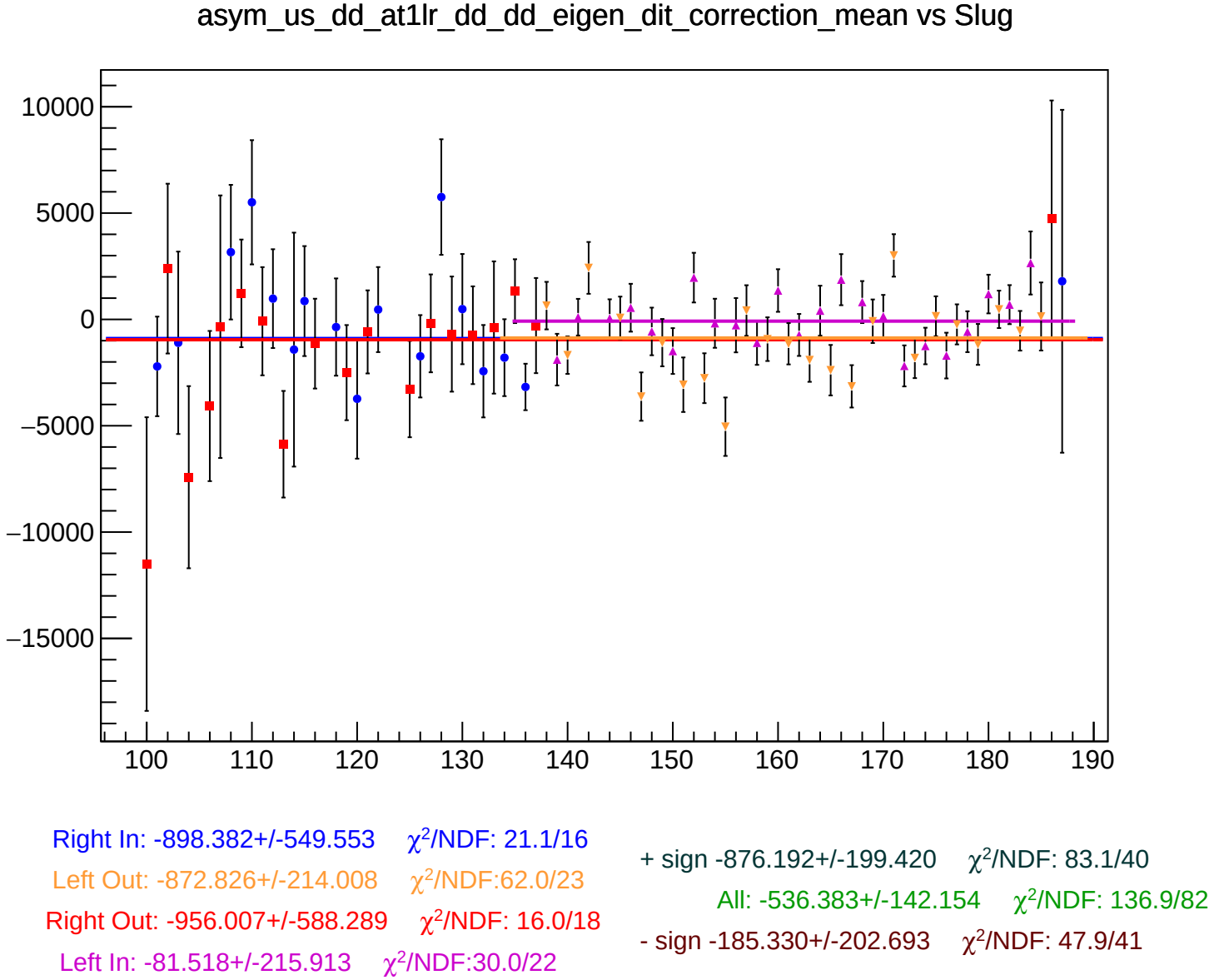
Right Out: 1900.082+/-0.492 χ^2/NDF: 269268.0/18

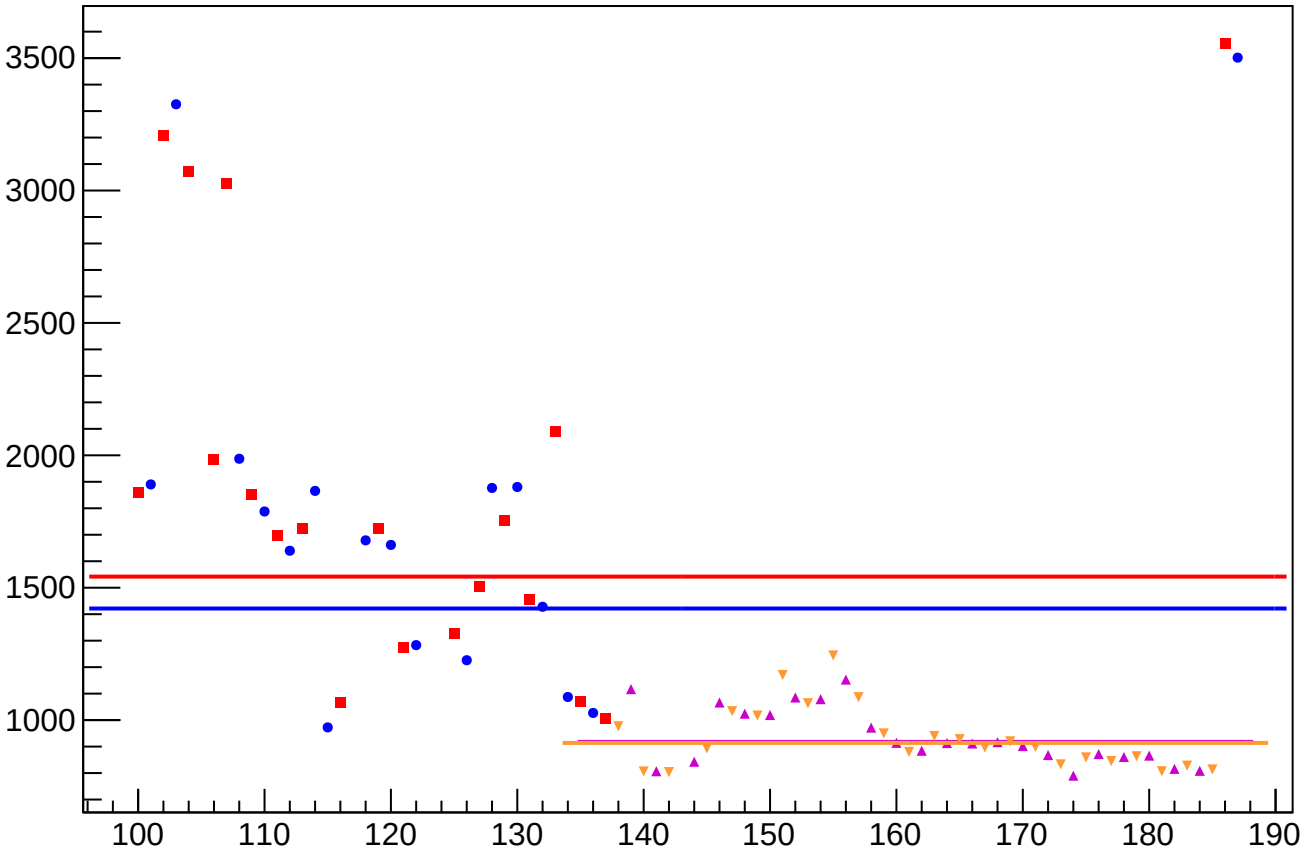
Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1764.676+/-0.246 χ^2/NDF: 729084.7/40

All: 1770.538+/-0.175 χ^2/NDF: 1086226.3/82

- sign 1776.448+/-0.248 χ^2/NDF: 356005.9/41


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -898.382+/-549.553 χ²/NDF: 21.1/16
Left Out: -872.826+/-214.008 χ²/NDF:62.0/23
Right Out: -956.007+/-588.289 χ²/NDF: 16.0/18
Left In: -81.518+/-215.913 χ²/NDF:30.0/22
+ sign -876.192+/-199.420 χ²/NDF: 83.1/40
All: -536.383+/-142.154 χ²/NDF: 136.9/82
- sign -185.330+/-202.693 χ²/NDF: 47.9/41



Right In: 1421.458+/-0.389 χ^2/NDF: 1311574.1/16

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1542.014+/-0.416 χ^2/NDF: 1624281.7/18

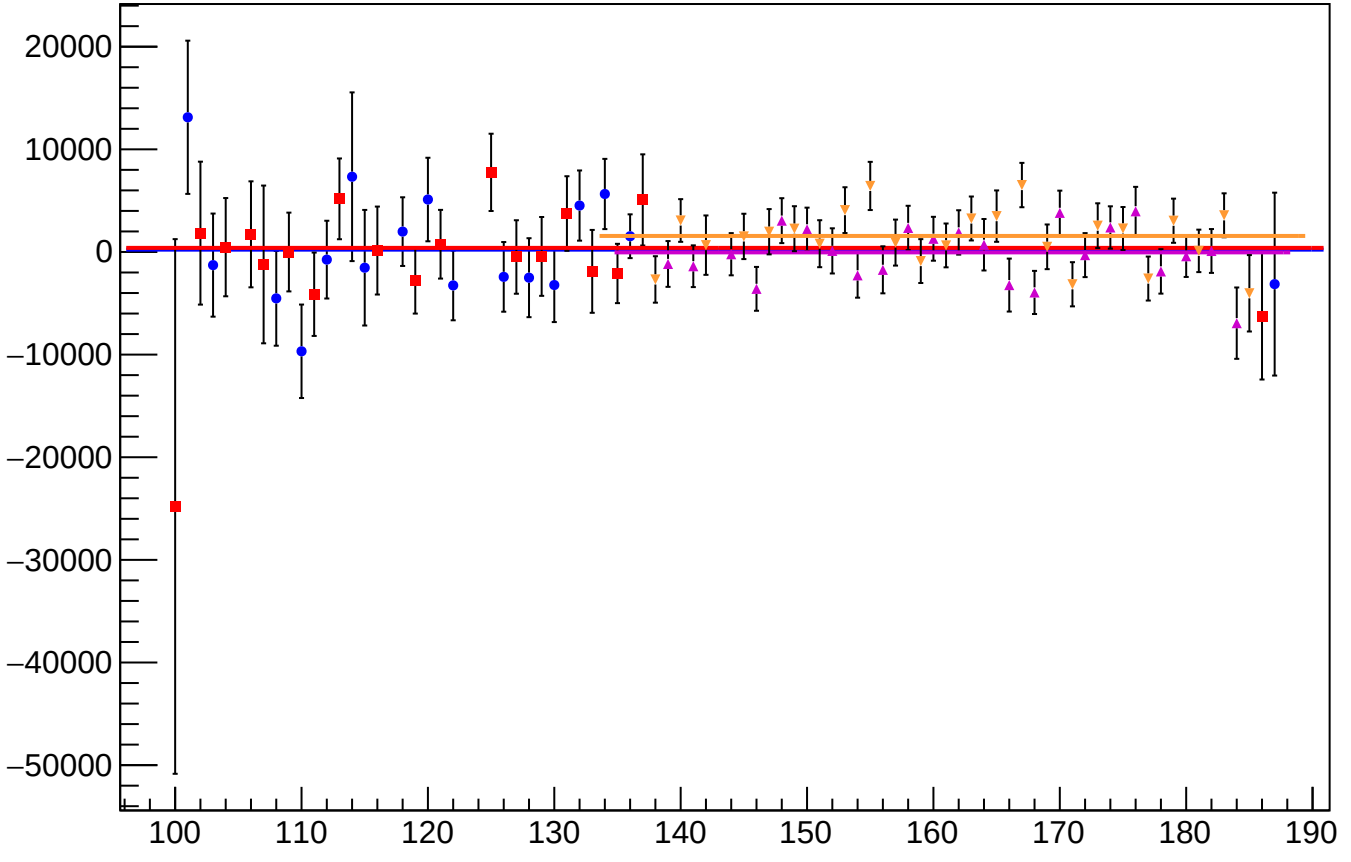
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 980.734+/-0.141 χ^2/NDF: 3255807.6/40

All: 986.172+/-0.101 χ^2/NDF: 7298846.1/82

- sign 991.790+/-0.143 χ^2/NDF: 4040014.4/41

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 226.839+/-936.759 χ^2/NDF: 19.2/16

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 398.768+/-951.422 χ^2/NDF: 12.9/18

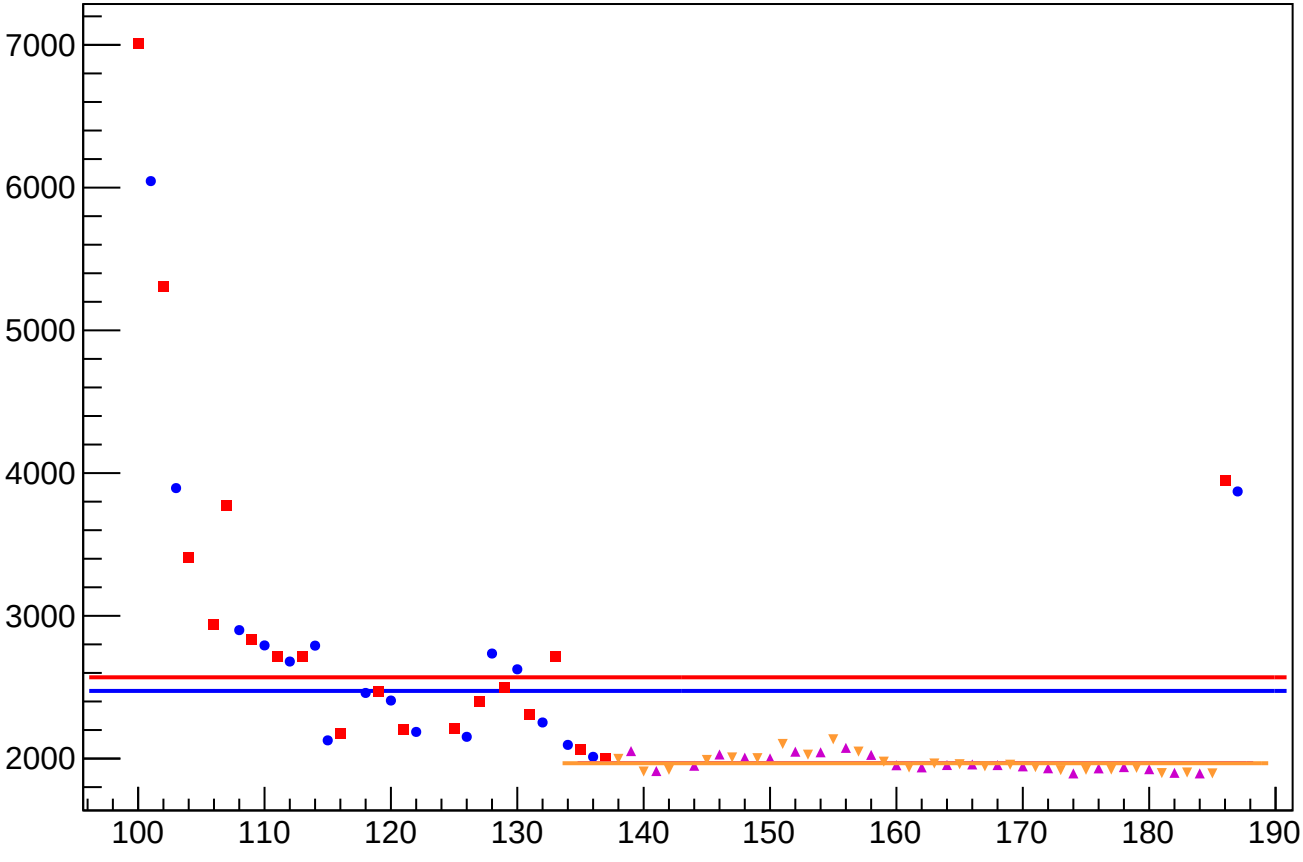
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1304.908+/-410.644 χ^2/NDF: 52.1/40

All: 679.329+/-291.580 χ^2/NDF: 97.7/82

- sign 43.208+/-414.090 χ^2/NDF: 40.9/41

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2473.952+/-0.662 χ^2/NDF: 882641.7/16

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

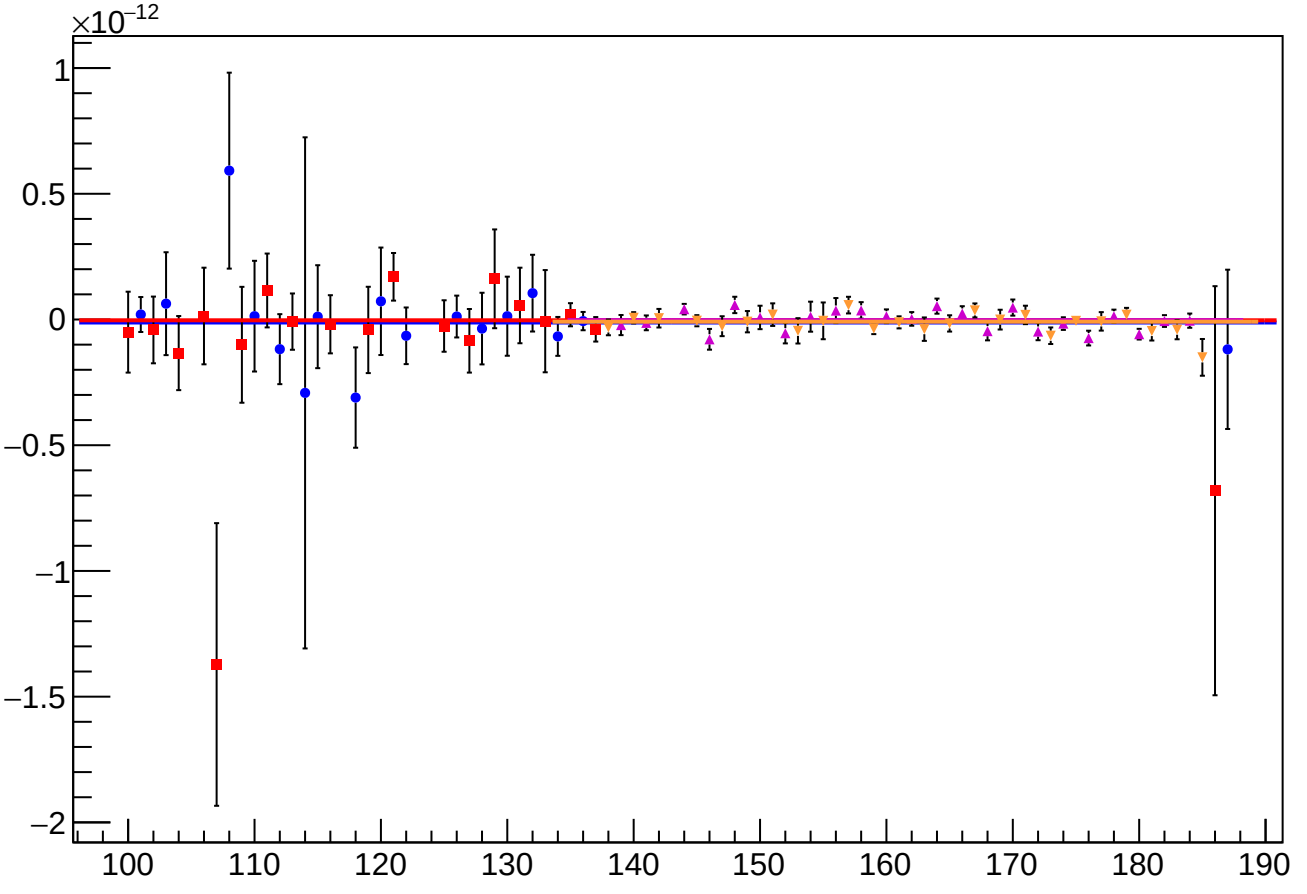
Right Out: 2569.371+/-0.673 χ^2/NDF: 775644.7/18

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2064.755+/-0.290 χ^2/NDF: 1389268.9/40

All: 2073.675+/-0.206 χ^2/NDF: 2838823.5/82

- sign 2082.745+/-0.293 χ^2/NDF: 1447651.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 7.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

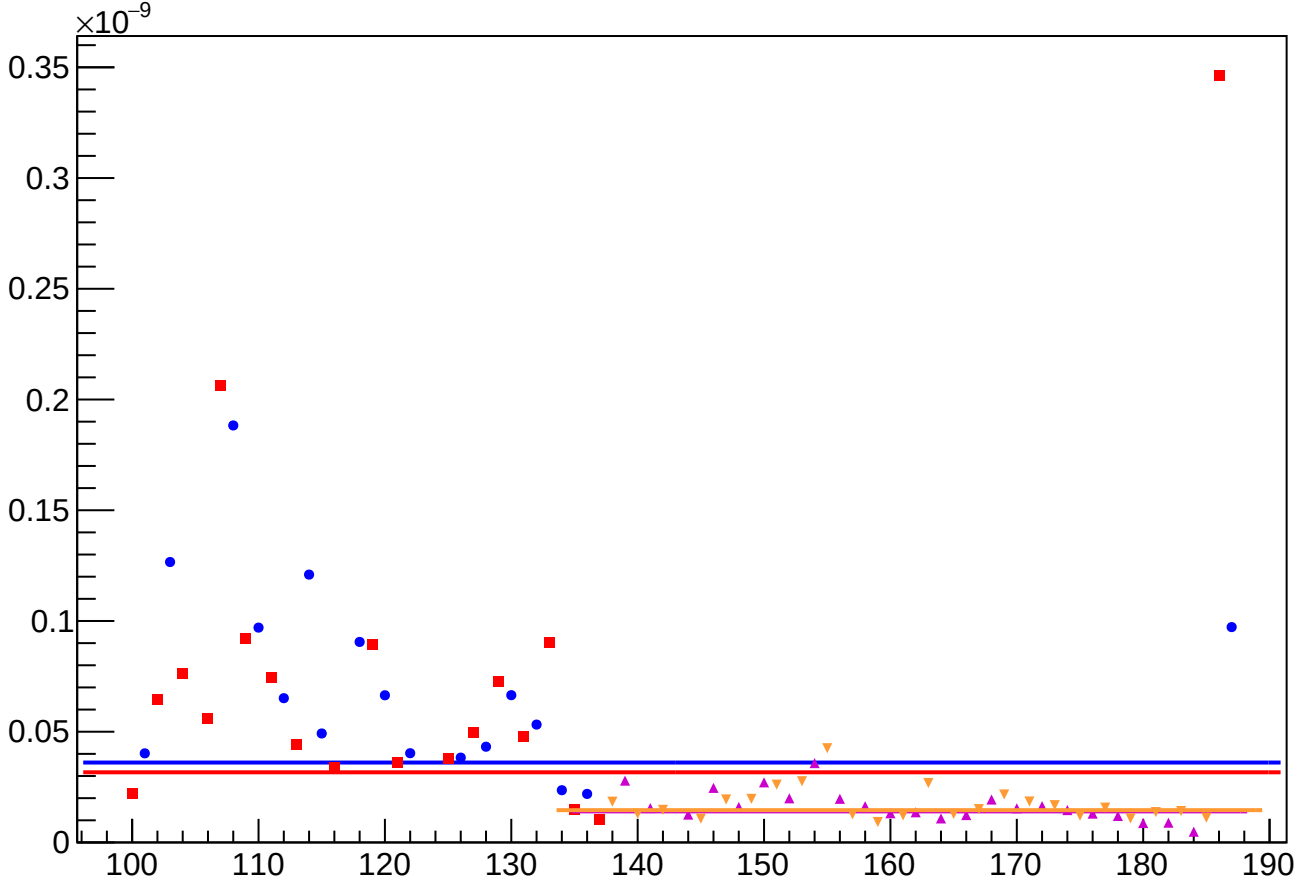
Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.2/40

All: -0.000+/-0.000 χ^2/NDF: 81.6/82

- sign -0.000+/-0.000 χ^2/NDF: 52.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 1695225.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

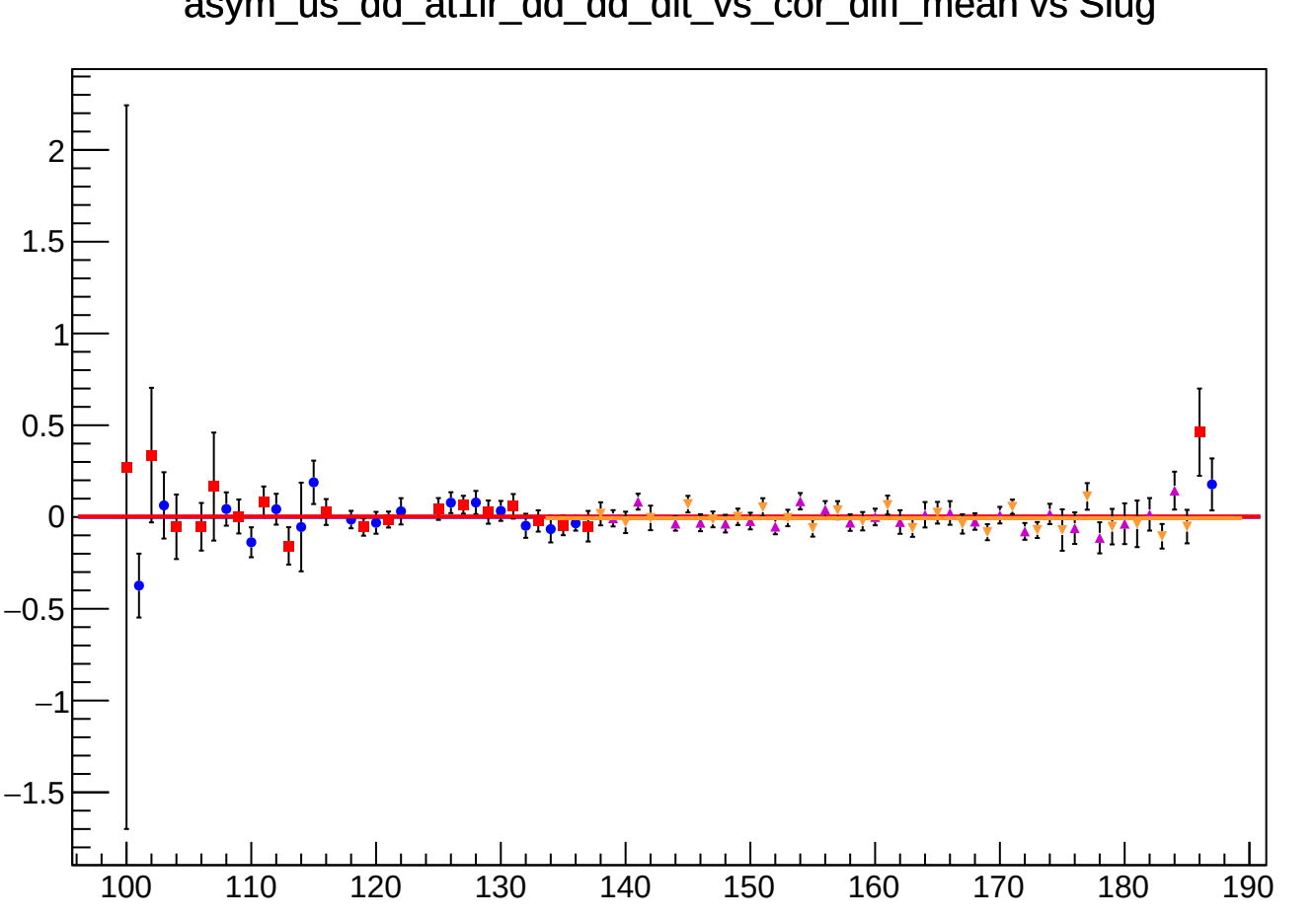
Right Out: 0.000+/-0.000 χ^2/NDF: 2368002.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4318188.6/40

All: 0.000+/-0.000 χ^2/NDF: 9118970.2/82

- sign 0.000+/-0.000 χ^2/NDF: 4782289.5/41



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

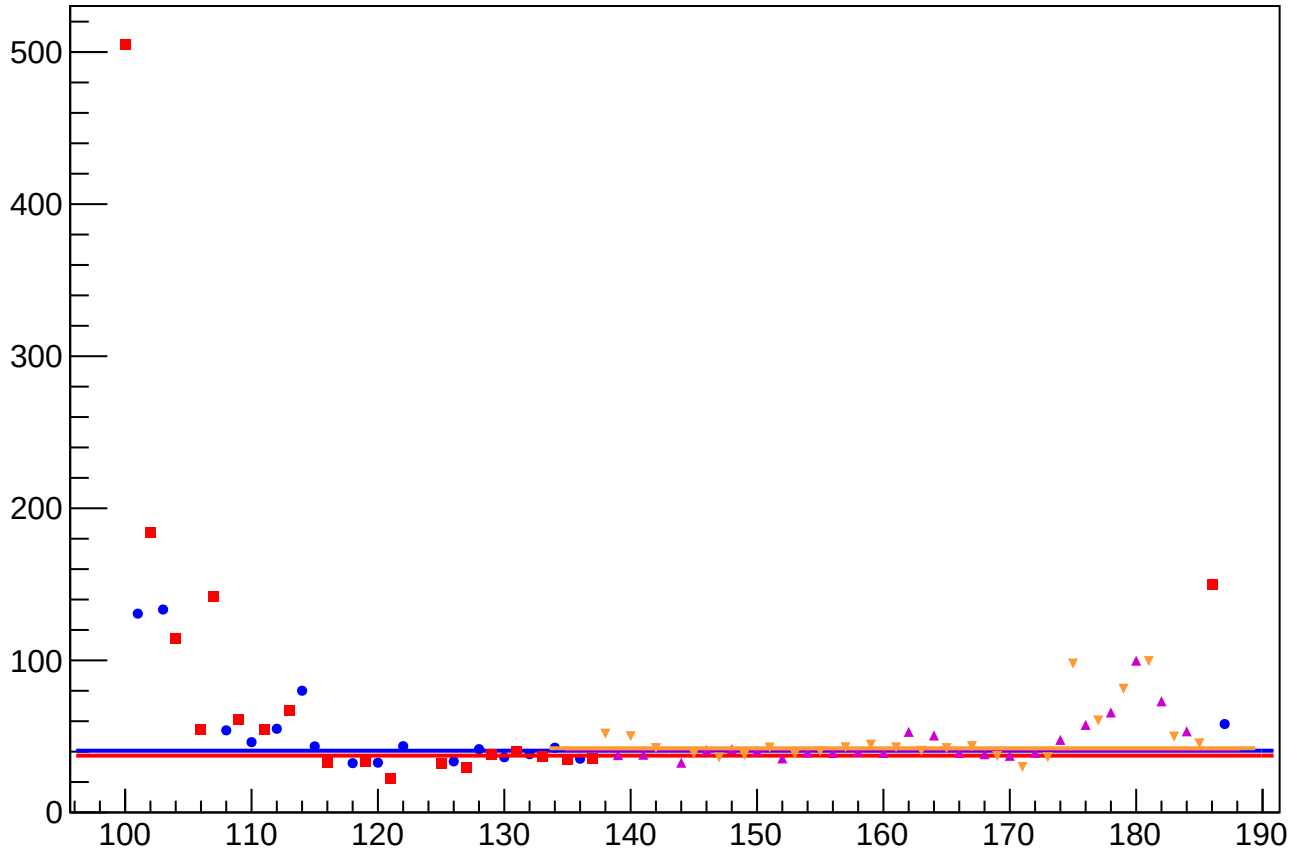
Right Out: 0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/40

All: -0.004+/-0.006 χ^2/NDF: 77.7/82

- sign -0.004+/-0.009 χ^2/NDF: 34.9/41



Right In: 40.607+/-0.012 χ^2/NDF: 1441253.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

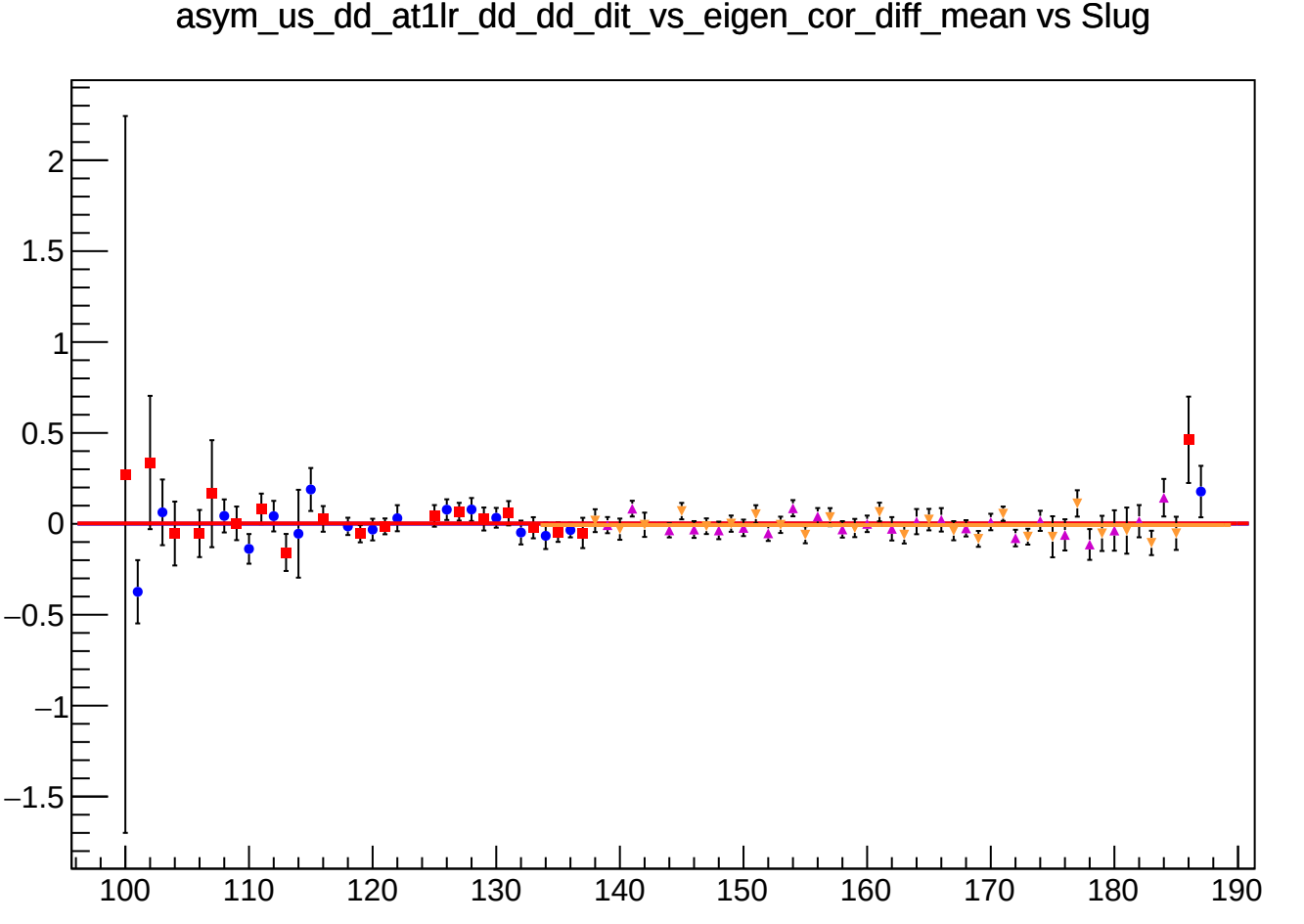
Right Out: 37.380+/-0.012 χ^2/NDF: 2289490.8/18

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.739+/-0.006 χ^2/NDF: 3273228.6/40

All: 40.971+/-0.005 χ^2/NDF: 7085716.0/82

- sign 40.230+/-0.006 χ^2/NDF: 3785028.8/41



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

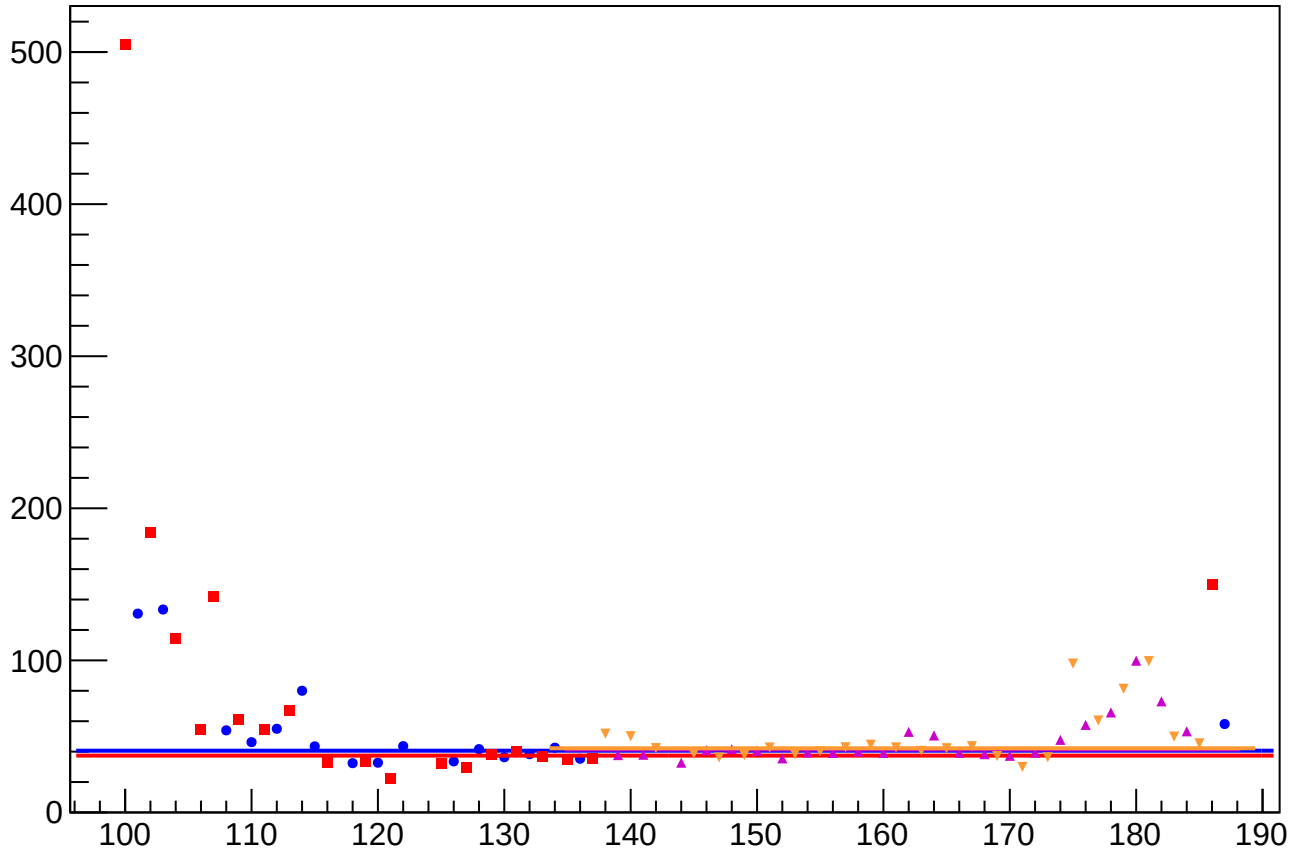
Right Out: 0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/40

All: -0.004+/-0.006 χ^2/NDF: 77.7/82

- sign -0.004+/-0.009 χ^2/NDF: 34.9/41



Right In: 40.607+/-0.012 χ^2/NDF: 1441253.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

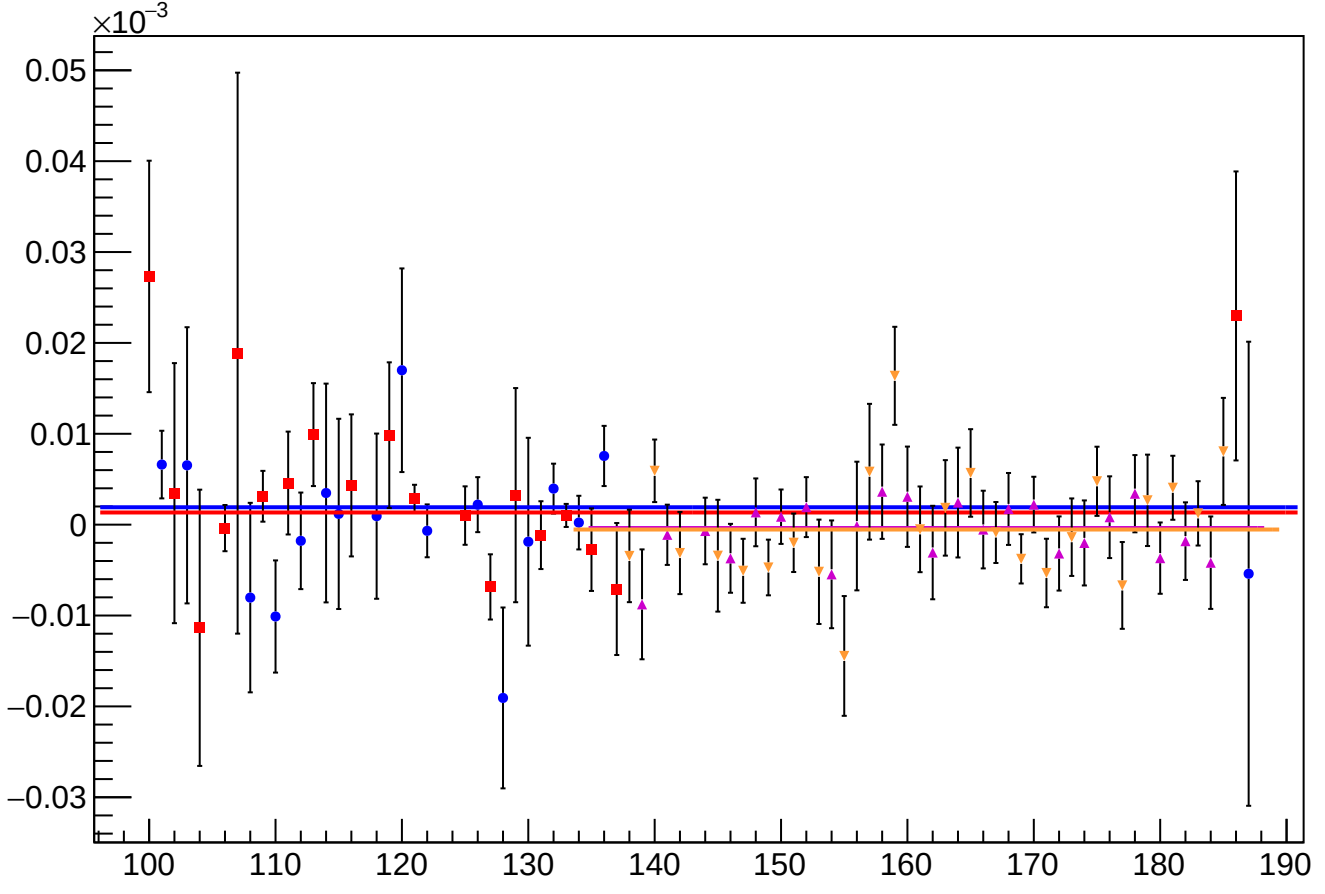
Right Out: 37.380+/-0.012 χ^2/NDF: 2289490.8/18

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.739+/-0.006 χ^2/NDF: 3273228.6/40

All: 40.971+/-0.005 χ^2/NDF: 7085716.0/82

- sign 40.230+/-0.006 χ^2/NDF: 3785028.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

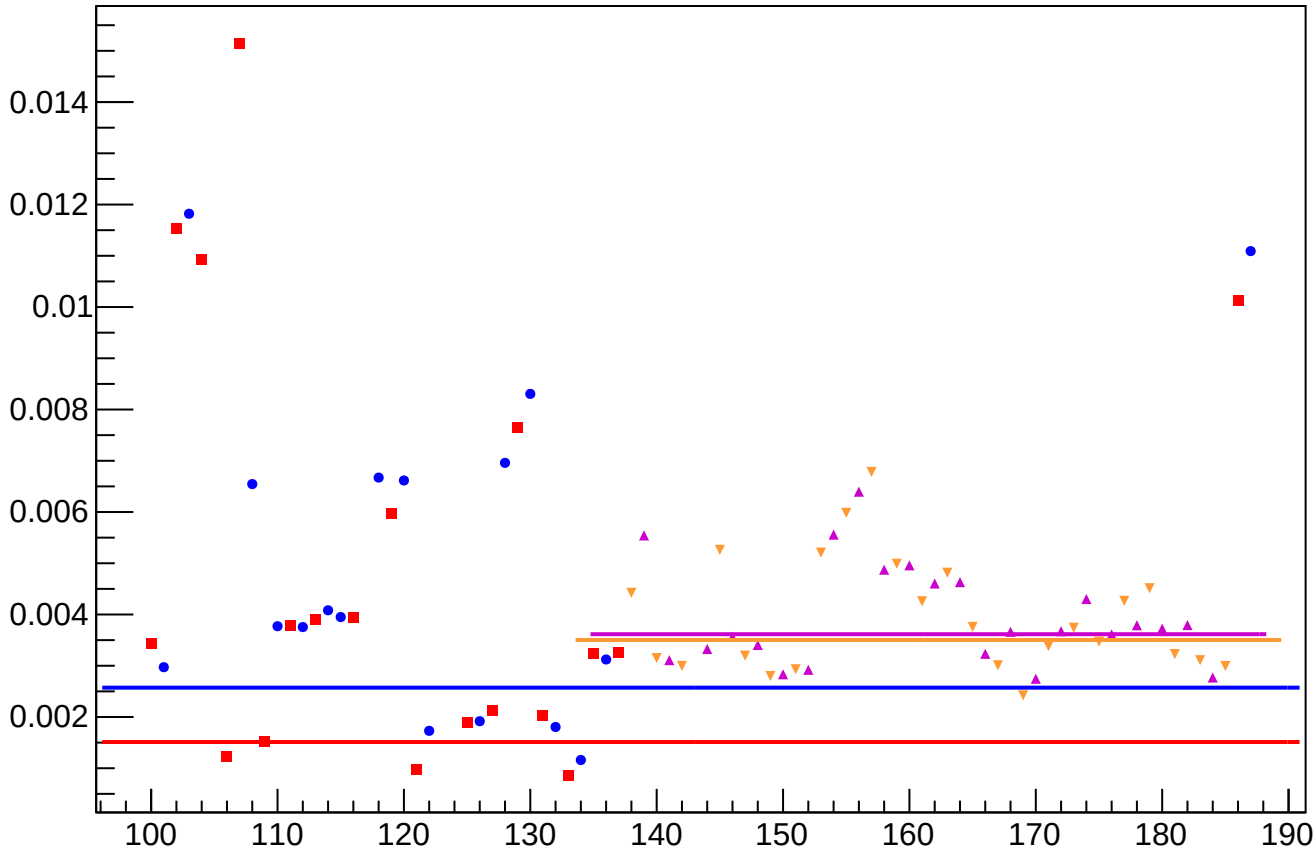
Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/40

All: 0.000+/-0.000 χ^2/NDF: 90.5/82

- sign 0.000+/-0.000 χ^2/NDF: 32.6/41



Right In: 0.003+/-0.000 χ^2/NDF: 4005405.1/16

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

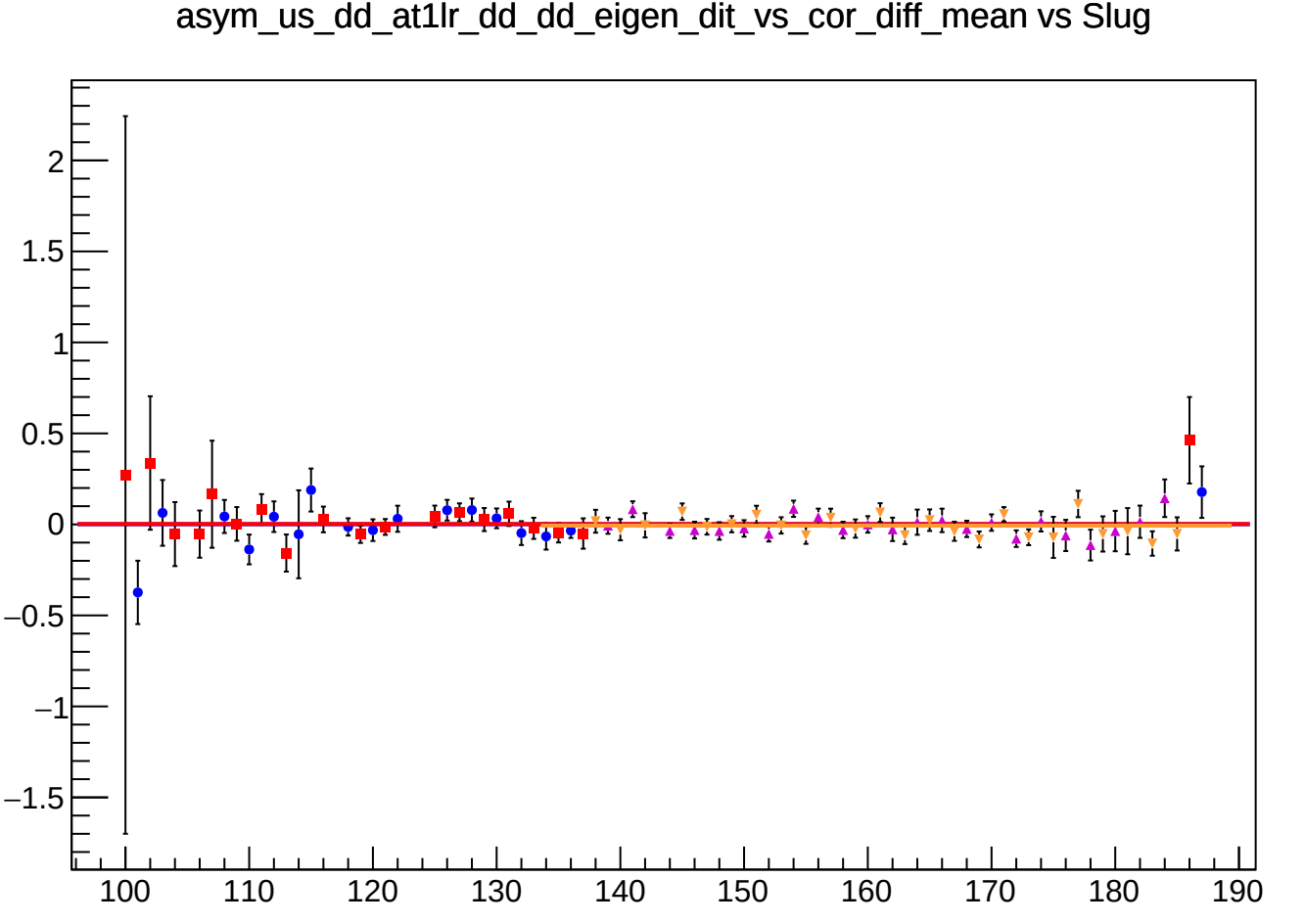
Right Out: 0.002+/-0.000 χ^2/NDF: 6151241.8/18

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 7056351.4/40

All: 0.003+/-0.000 χ^2/NDF: 23058846.6/82

- sign 0.002+/-0.000 χ^2/NDF: 14505282.5/41



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

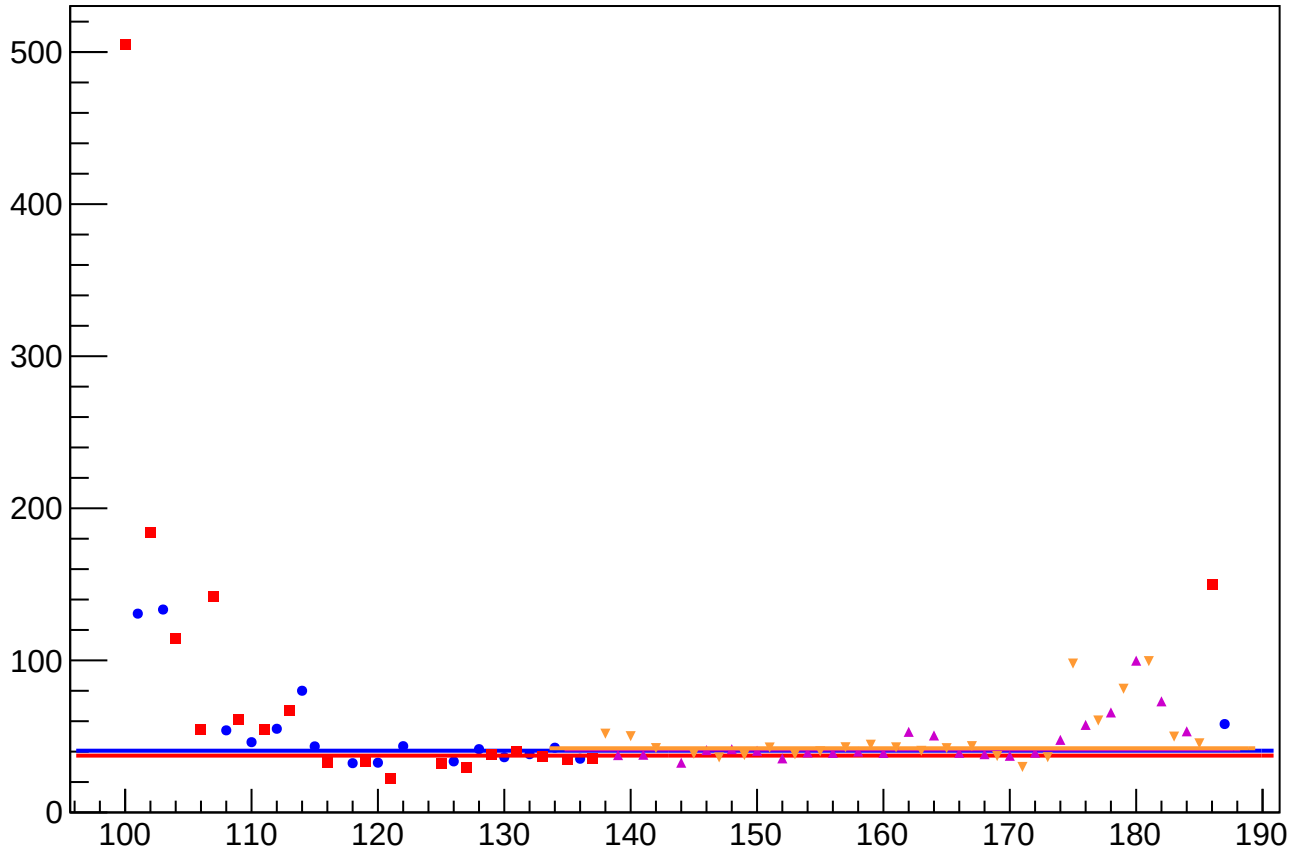
Right Out: 0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/40

All: -0.004+/-0.006 χ^2/NDF: 77.7/82

- sign -0.004+/-0.009 χ^2/NDF: 34.9/41



Right In: 40.607+/-0.012 χ^2/NDF: 1441130.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 37.379+/-0.012 χ^2/NDF: 2289496.7/18

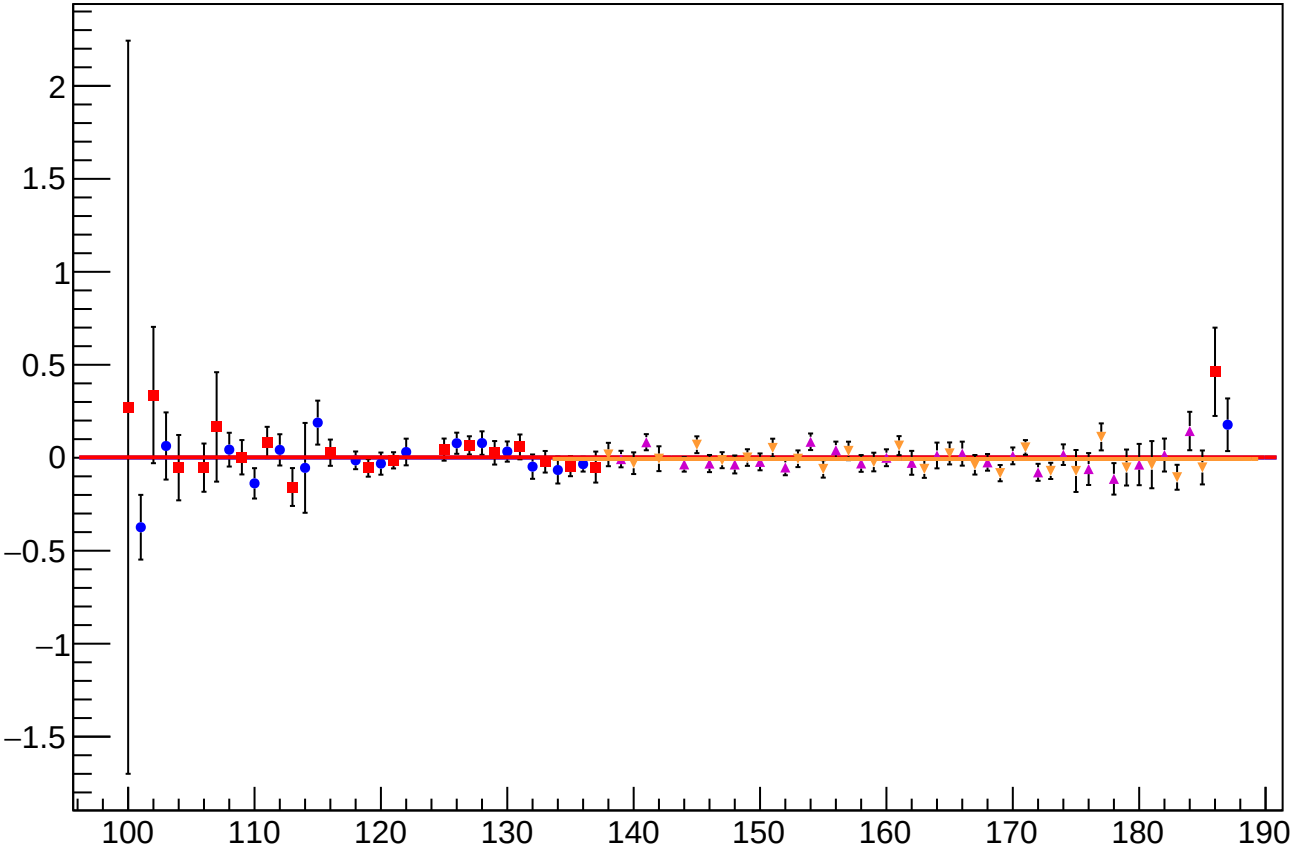
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.739+/-0.006 χ^2/NDF: 3273100.3/40

All: 40.971+/-0.005 χ^2/NDF: 7085573.0/82

\- sign 40.230+/-0.006 χ^2/NDF: 3785002.1/41

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

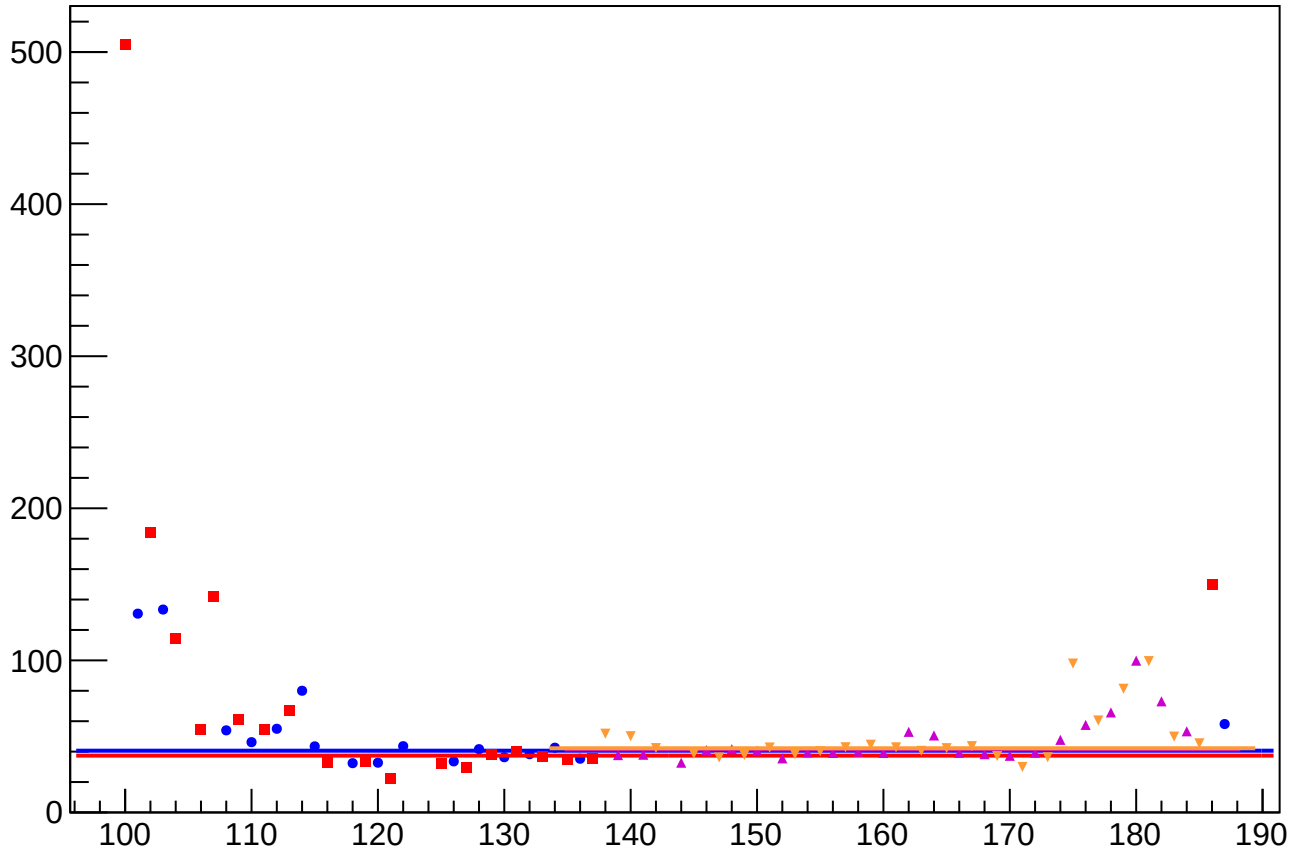
Right Out: 0.002+/-0.017 χ^2/NDF: 14.7/18

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.004+/-0.009 χ^2/NDF: 42.8/40

All: -0.004+/-0.006 χ^2/NDF: 77.7/82

- sign -0.004+/-0.009 χ^2/NDF: 34.9/41



Right In: 40.607+/-0.012 χ^2/NDF: 1441130.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

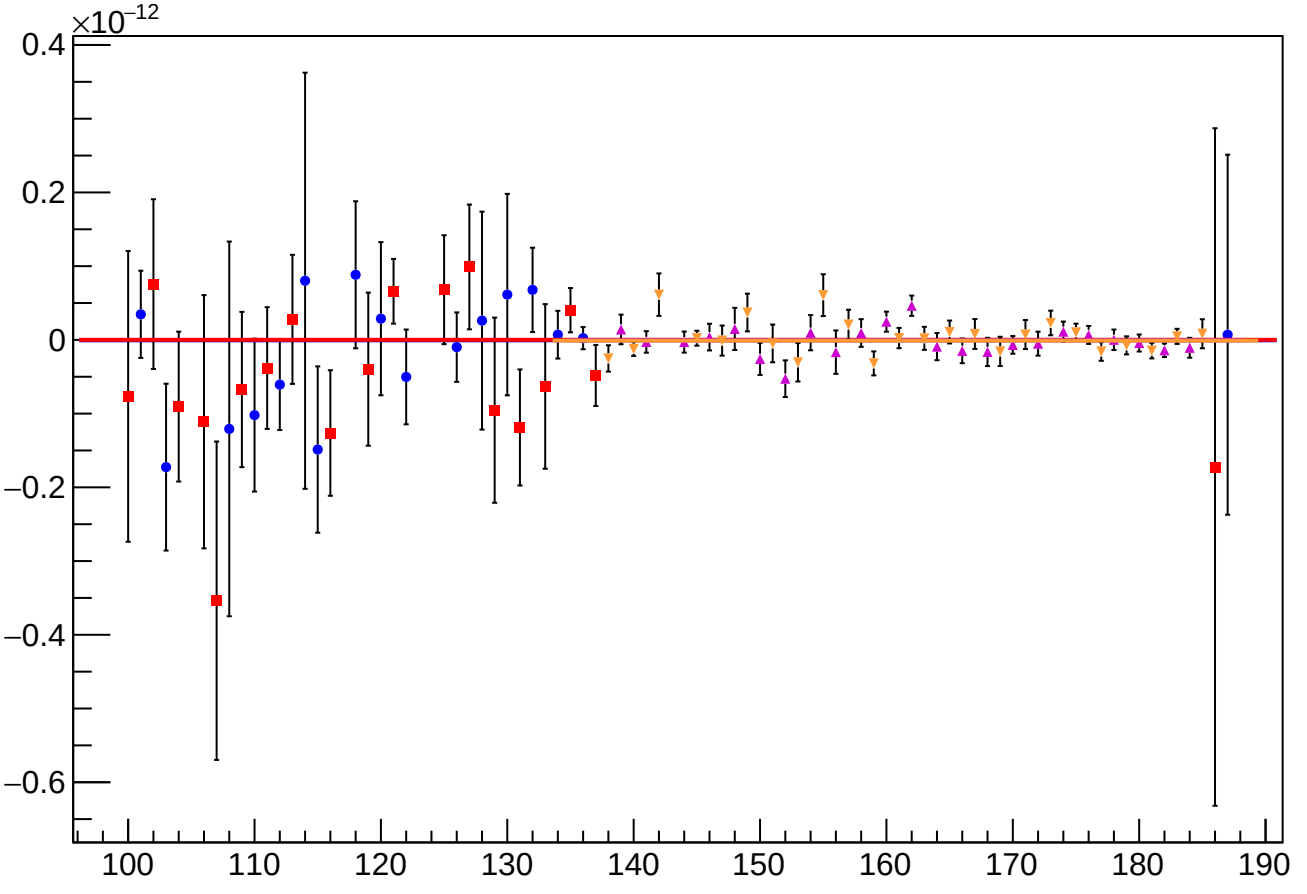
Right Out: 37.379+/-0.012 χ^2/NDF: 2289496.7/18

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.739+/-0.006 χ^2/NDF: 3273100.3/40

All: 40.971+/-0.005 χ^2/NDF: 7085573.0/82

\- sign 40.230+/-0.006 χ^2/NDF: 3785002.1/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

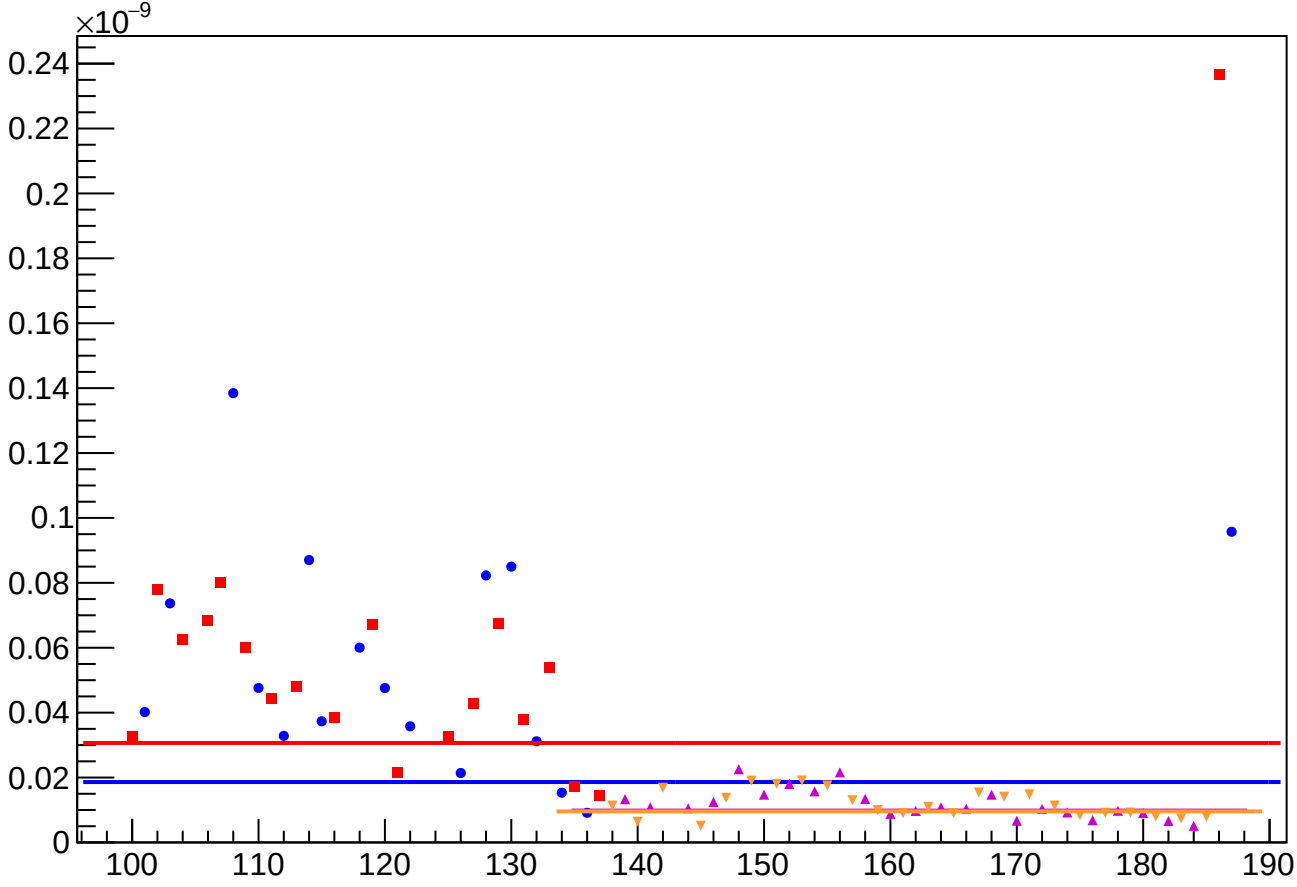
Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/40

All: -0.000+/-0.000 χ^2/NDF: 86.2/82

- sign -0.000+/-0.000 χ^2/NDF: 46.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 4222837.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

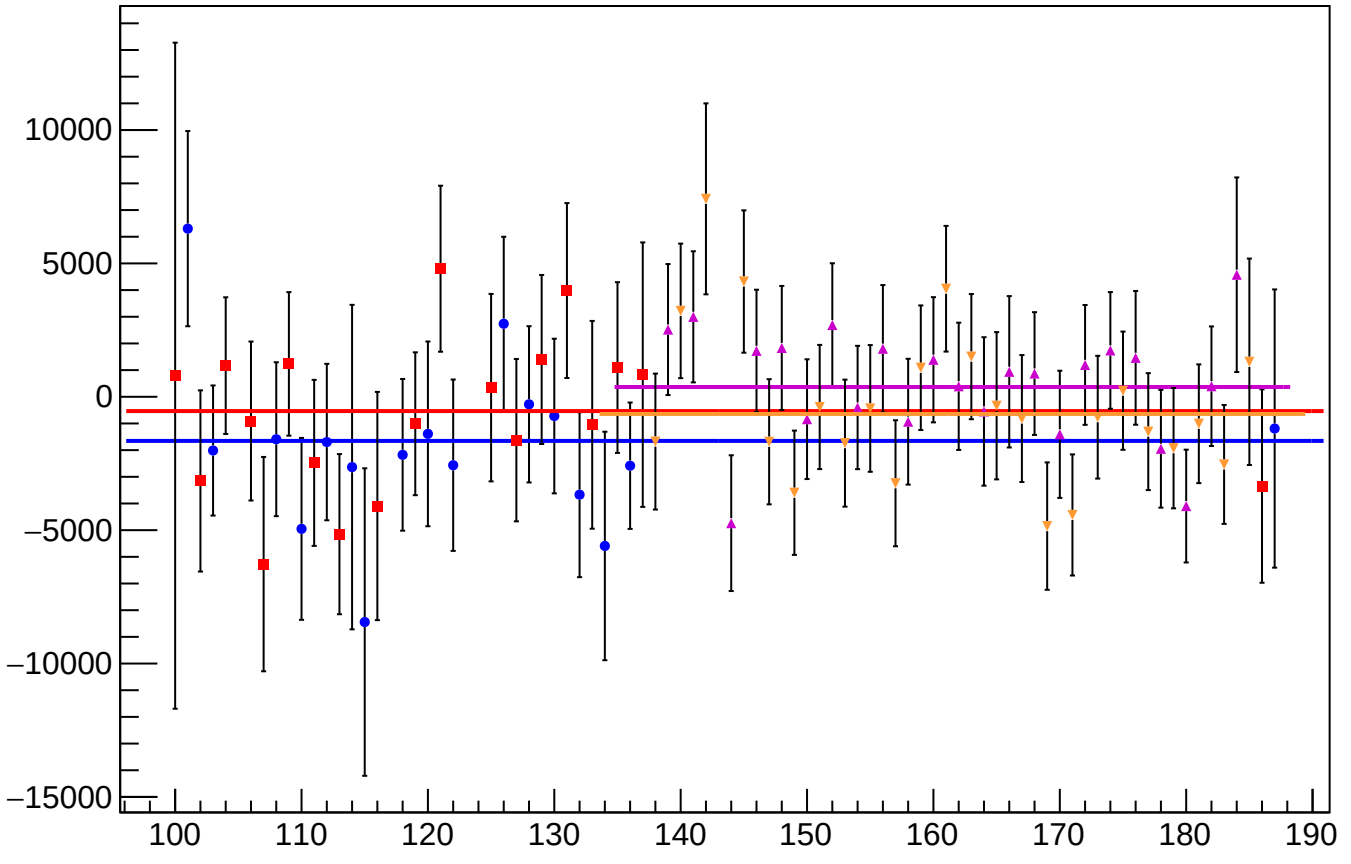
Right Out: 0.000+/-0.000 χ^2/NDF: 2789416.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7813904.9/40

All: 0.000+/-0.000 χ^2/NDF: 15963948.8/82

- sign 0.000+/-0.000 χ^2/NDF: 8132972.6/41



Right In: -1653.609+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -535.976+/-759.894 χ^2/NDF: 13.4/18

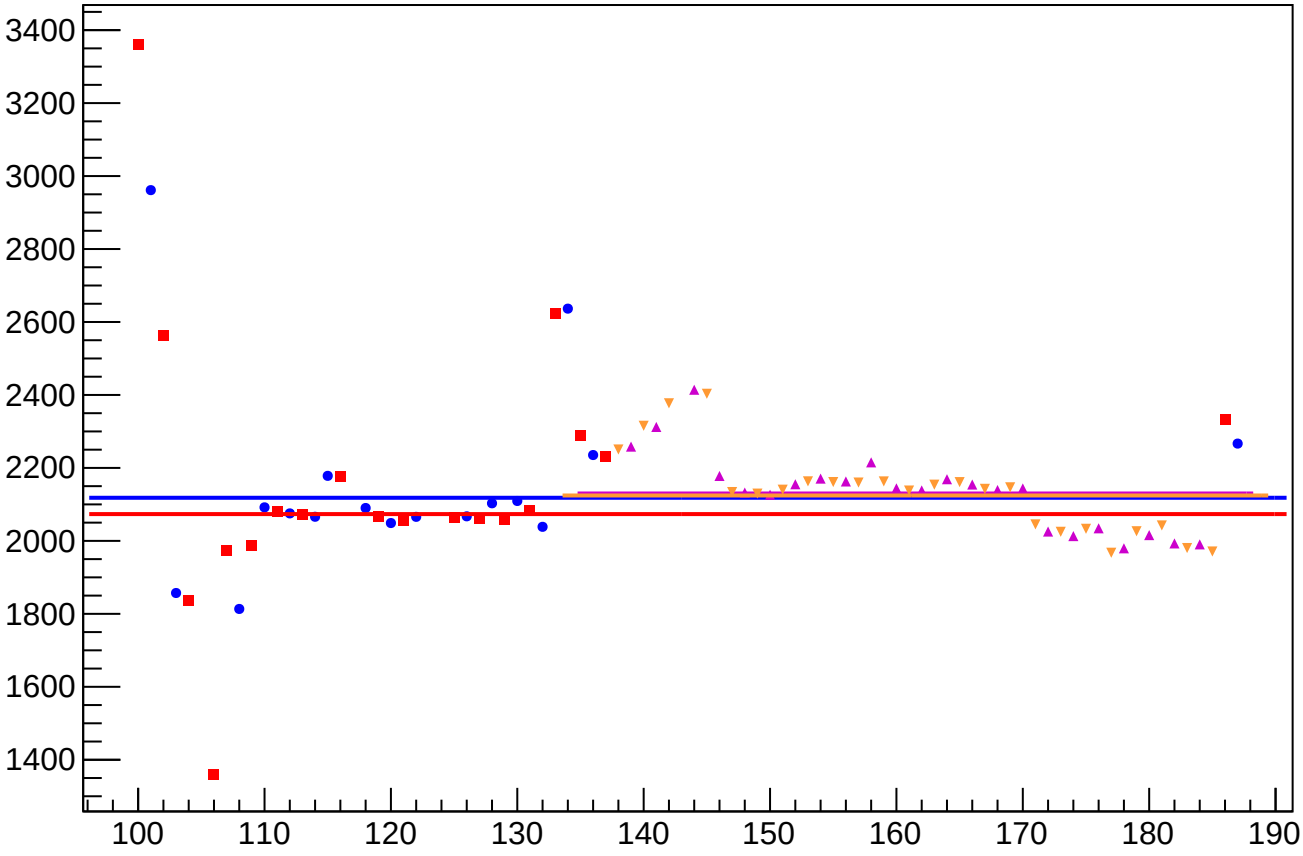
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -930.955+/-417.633 χ^2/NDF: 39.1/40

All: -416.231+/-294.896 χ^2/NDF: 73.8/82

- sign 95.611+/-416.462 χ^2/NDF: 31.7/41

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2118.181+/-0.554 χ^2/NDF: 191579.7/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

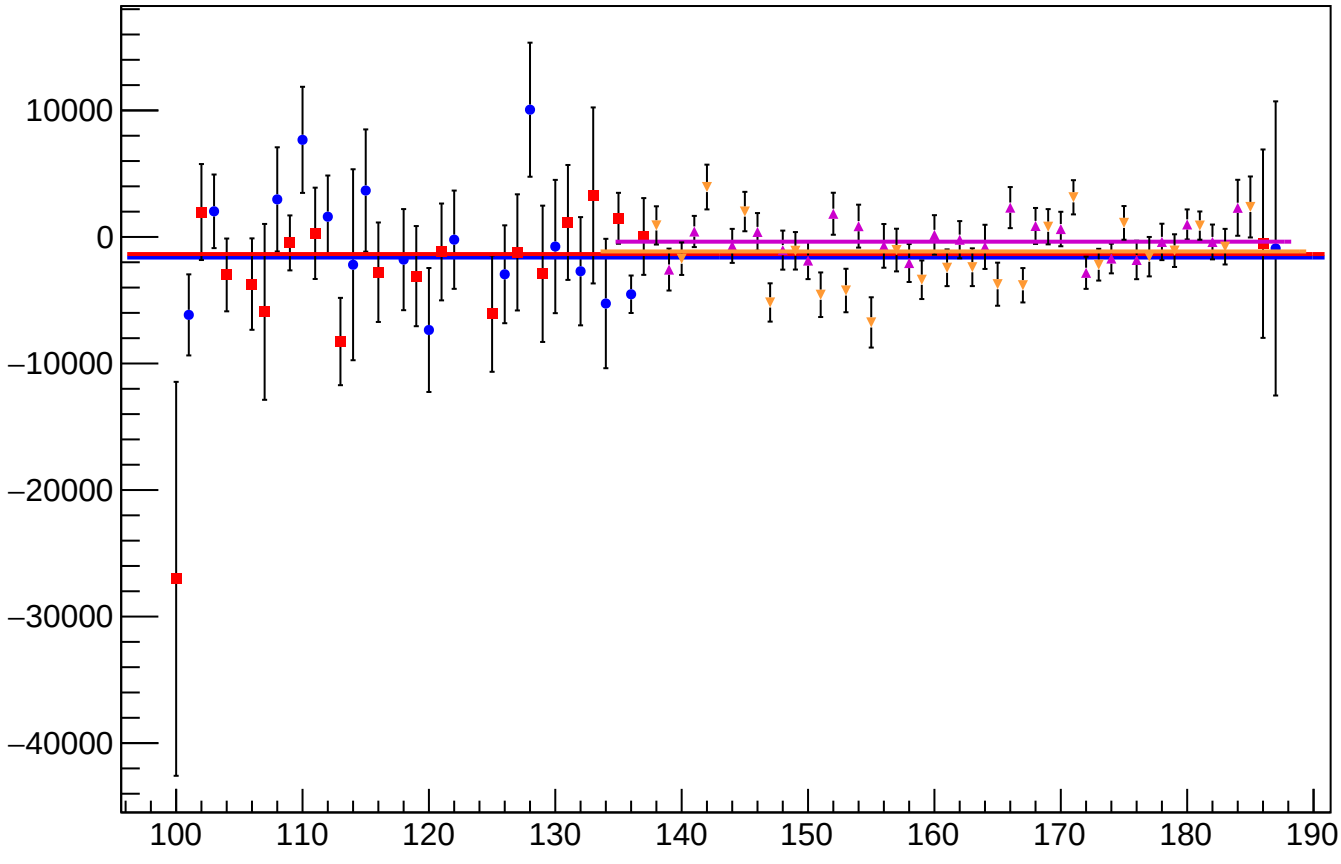
Right Out: 2073.449+/-0.537 χ^2/NDF: 259840.3/18

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2122.658+/-0.295 χ^2/NDF: 280855.0/40

All: 2117.786+/-0.209 χ^2/NDF: 634313.9/82

- sign 2112.942+/-0.294 χ^2/NDF: 352916.1/41



Right In: -1626.512+/-860.053 χ^2/NDF: 22.9/16

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: -1351.382+/-835.113 χ^2/NDF: 13.5/18

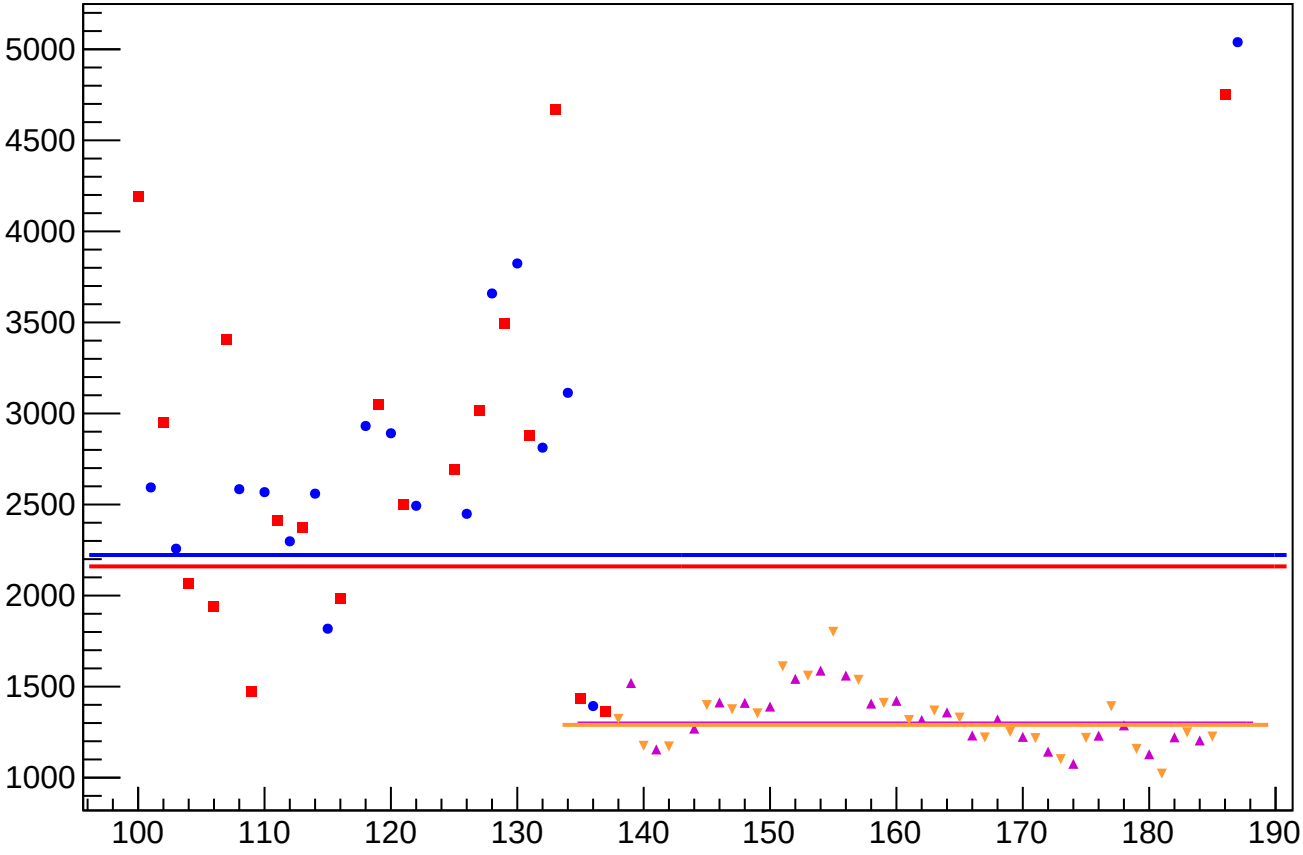
Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1197.843+/-285.354 χ^2/NDF: 90.6/40

All: -845.050+/-202.286 χ^2/NDF: 128.7/82

- sign -488.662+/-286.804 χ^2/NDF: 35.0/41

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug



Right In: 2222.758+/-0.608 χ^2/NDF: 1367329.1/16

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

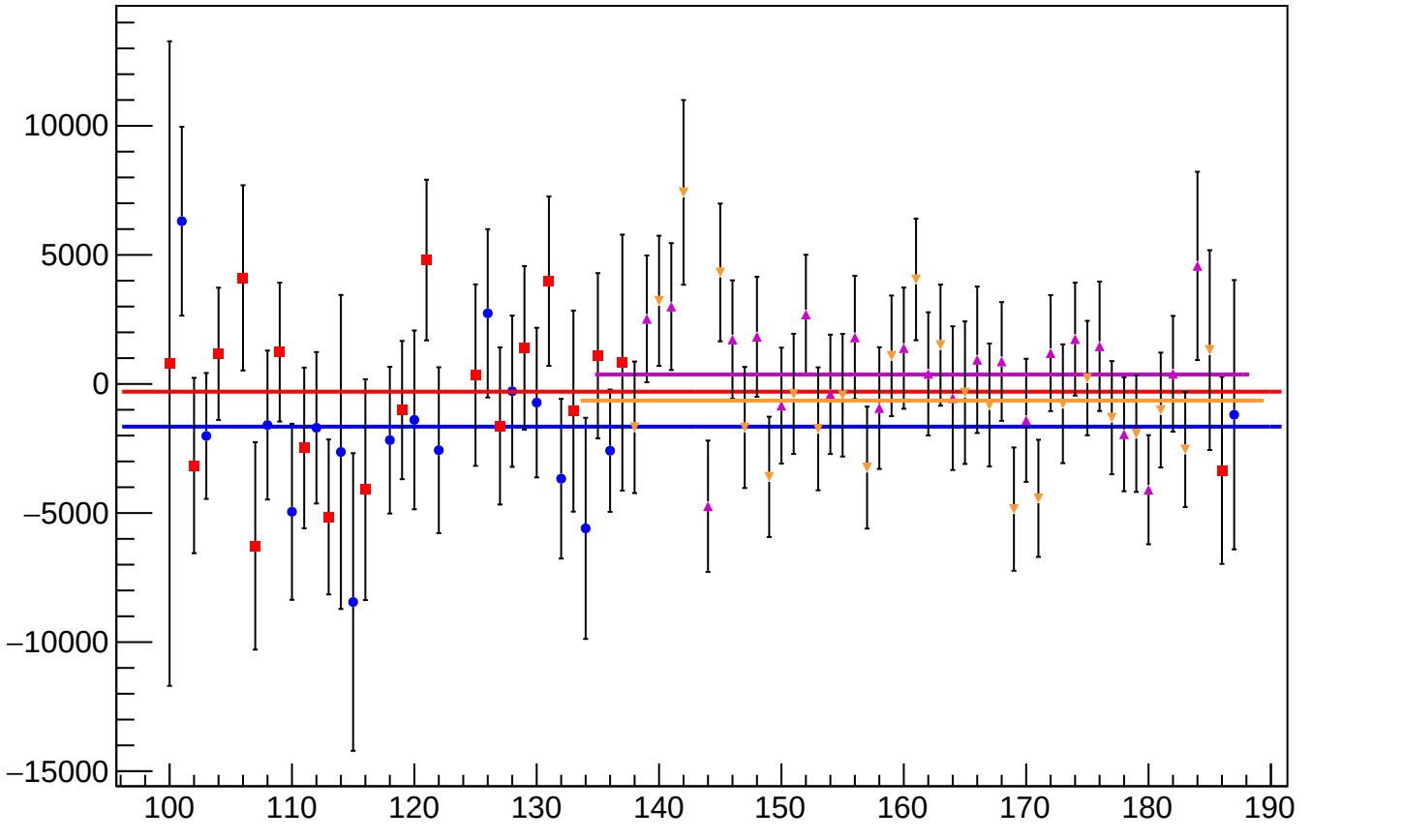
Right Out: 2160.228+/-0.591 χ^2/NDF: 1703175.4/18

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1392.706+/-0.202 χ^2/NDF: 4028622.5/40

All: 1395.944+/-0.143 χ^2/NDF: 8049219.0/82

- sign 1399.214+/-0.203 χ^2/NDF: 4020078.9/41



Right In: -1653.561+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -298.809+/-767.669 χ^2/NDF: 14.9/18

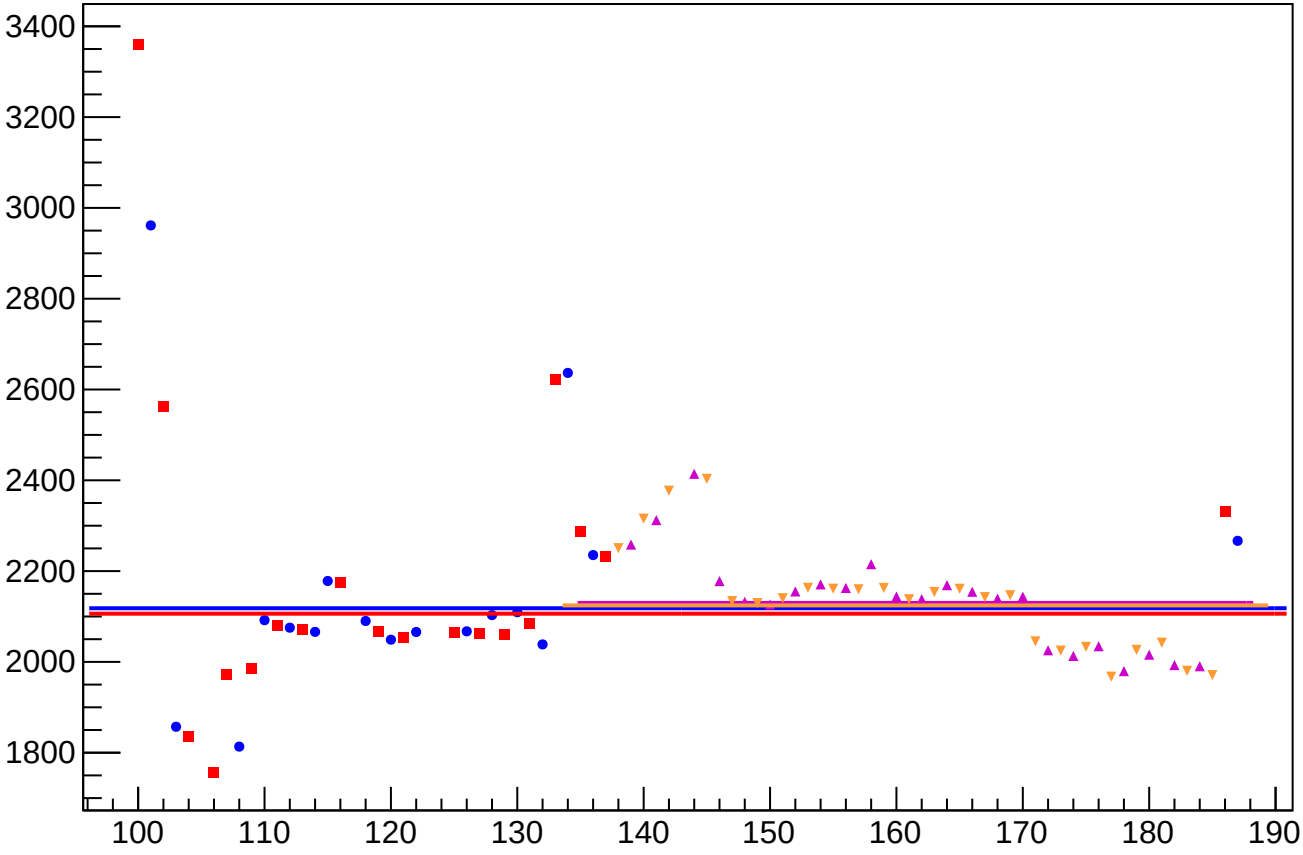
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -930.843+/-417.633 χ^2/NDF: 39.1/40

All: -380.744+/-295.345 χ^2/NDF: 75.4/82

- sign 169.606+/-417.728 χ^2/NDF: 32.8/41

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2118.181+/-0.554 χ^2/NDF: 191580.0/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

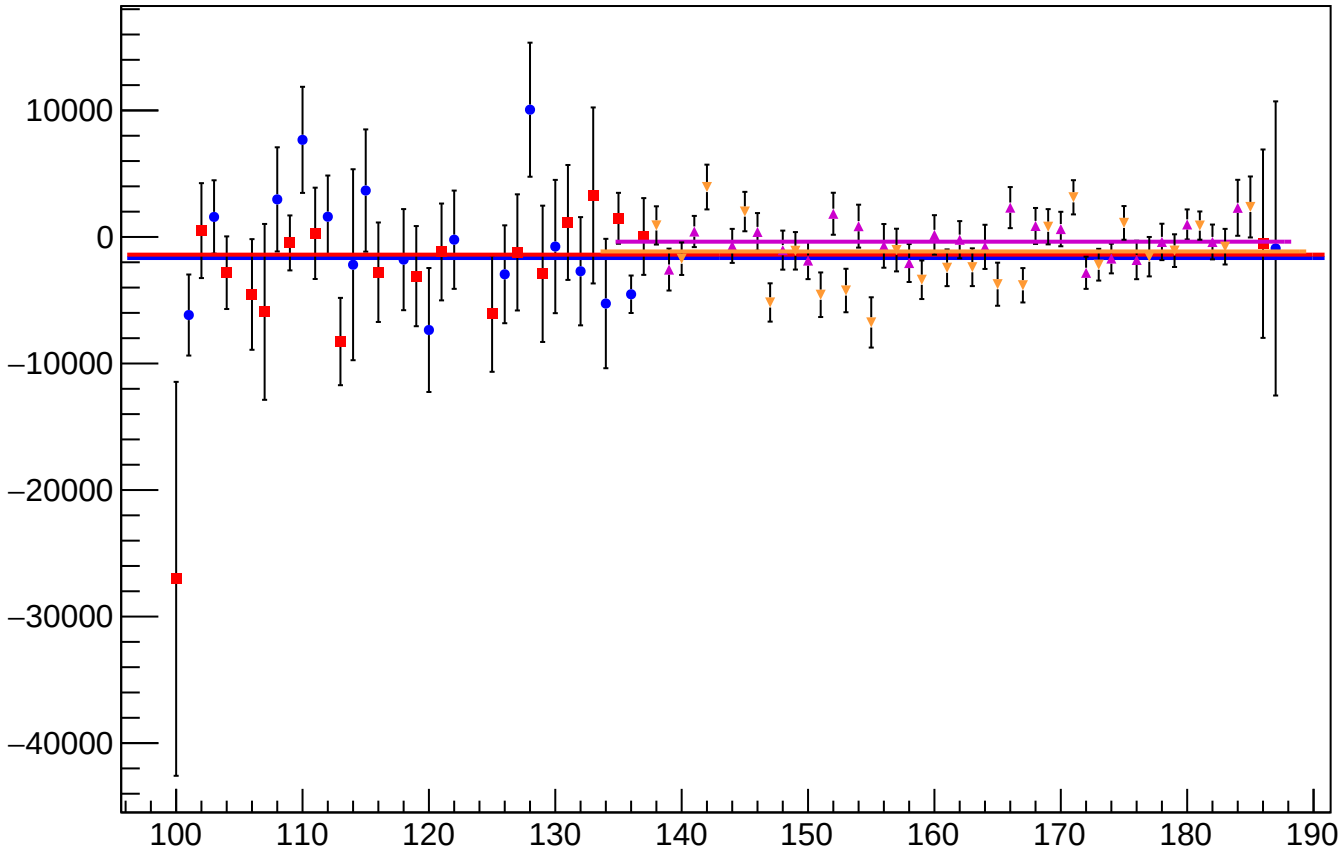
Right Out: 2106.204+/-0.543 χ^2/NDF: 157494.9/18

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2122.658+/-0.295 χ^2/NDF: 280855.3/40

All: 2122.770+/-0.209 χ^2/NDF: 525045.9/82

- sign 2122.881+/-0.295 χ^2/NDF: 244190.3/41



Right In: -1664.316+/-859.764 χ^2/NDF: 22.5/16

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

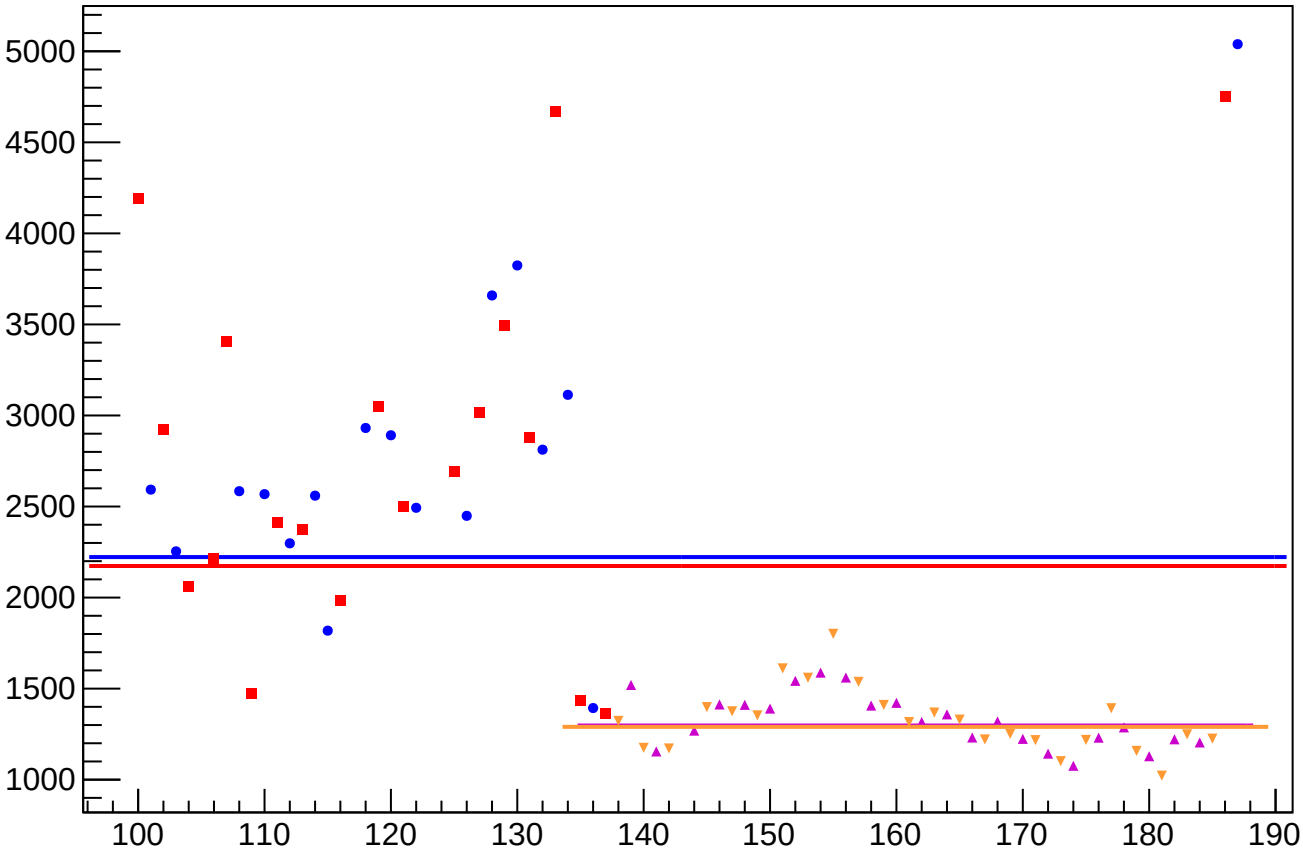
Right Out: -1396.765+/-841.638 χ^2/NDF: 13.0/18

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1202.006+/-285.345 χ^2/NDF: 90.4/40

All: -849.270+/-202.375 χ^2/NDF: 128.0/82

- sign -492.265+/-287.066 χ^2/NDF: 34.6/41



Right In: 2222.413+/-0.608 χ^2/NDF: 1367114.1/16

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

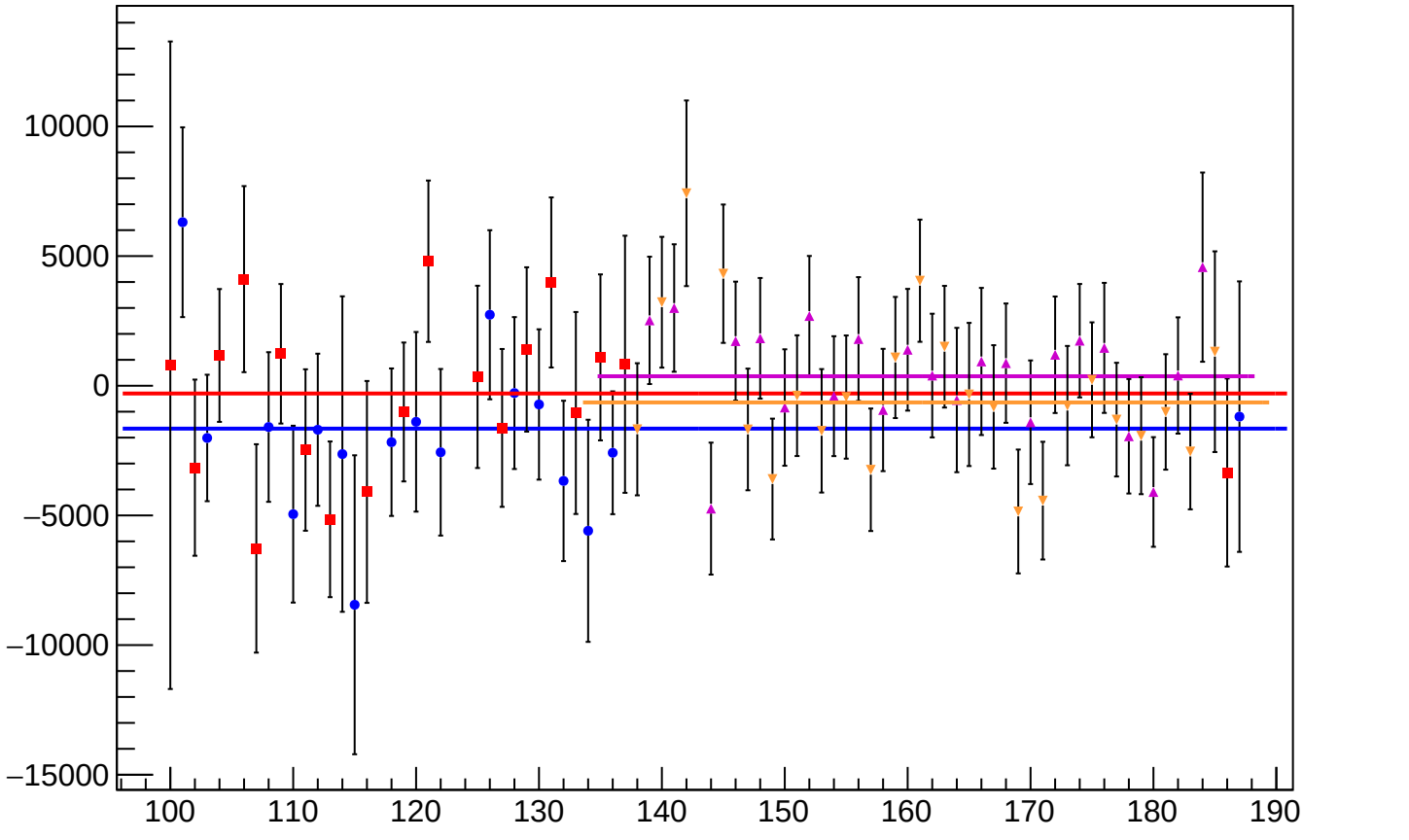
Right Out: 2173.418+/-0.595 χ^2/NDF: 1691055.8/18

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1392.741+/-0.202 χ^2/NDF: 4027990.7/40

All: 1396.032+/-0.143 χ^2/NDF: 8067999.4/82

- sign 1399.363+/-0.203 χ^2/NDF: 4039473.3/41



Right In: -1653.561+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -298.809+/-767.669 χ^2/NDF: 14.9/18

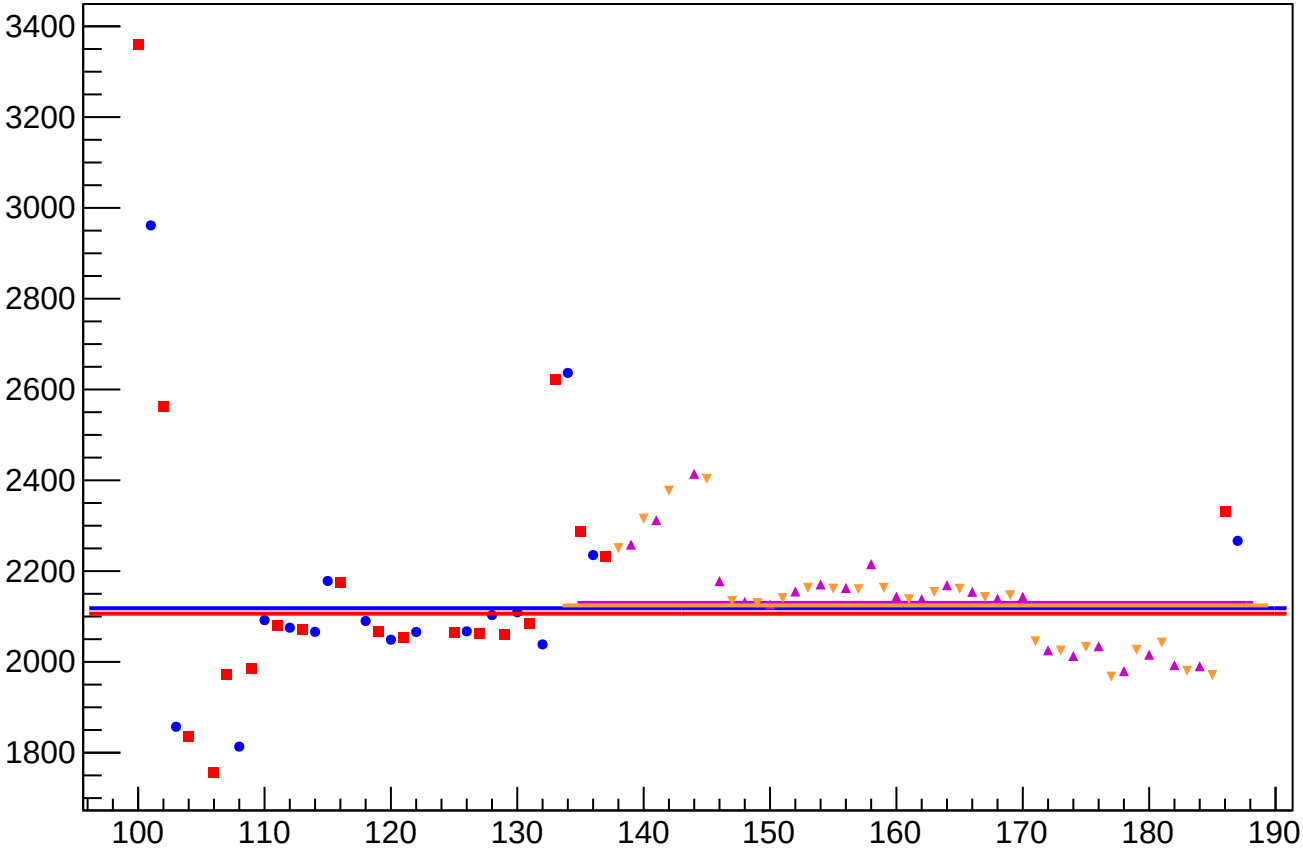
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -930.843+/-417.633 χ^2/NDF: 39.1/40

All: -380.744+/-295.345 χ^2/NDF: 75.4/82

- sign 169.606+/-417.728 χ^2/NDF: 32.8/41

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2118.181+/-0.554 χ^2/NDF: 191580.0/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

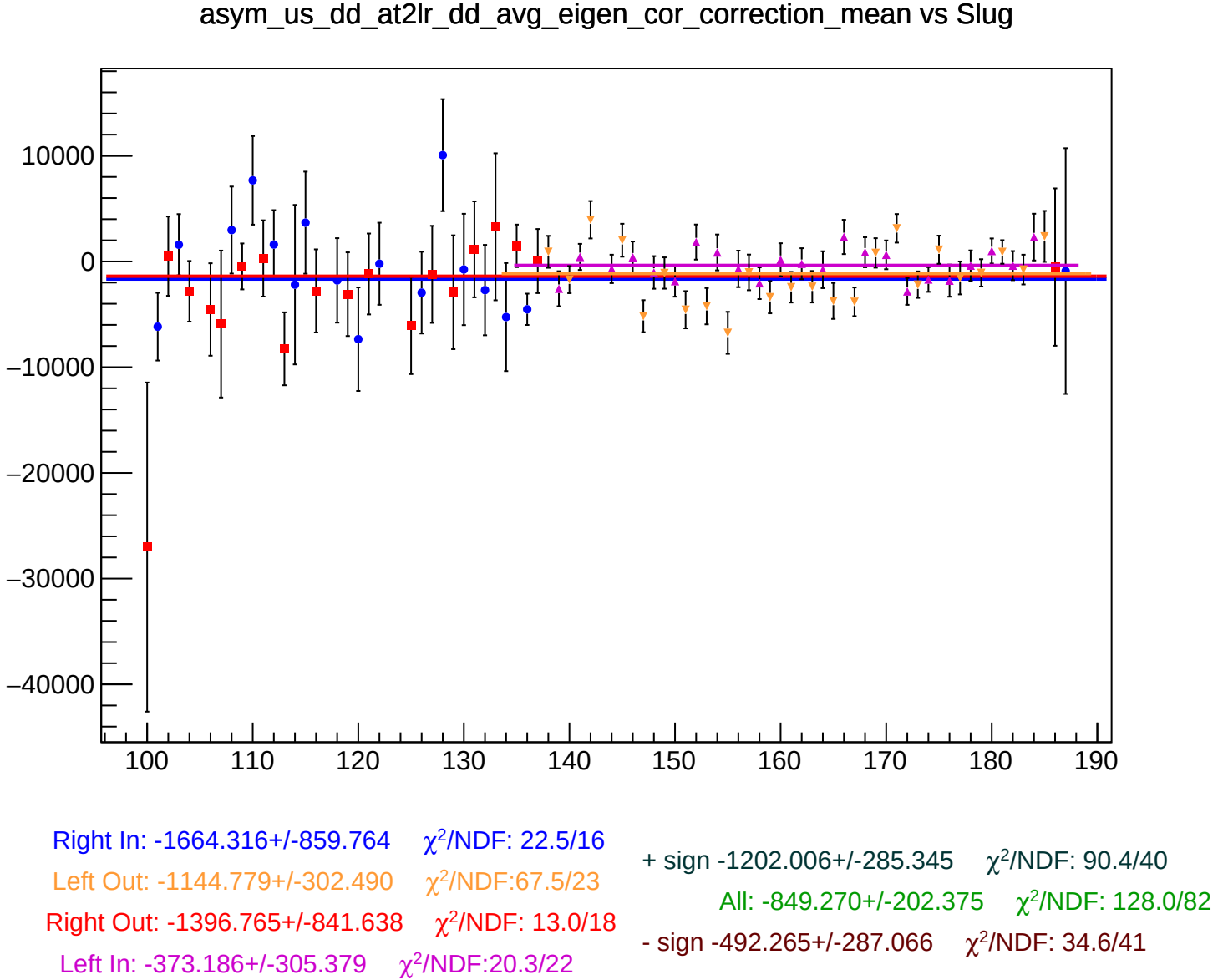
Right Out: 2106.204+/-0.543 χ^2/NDF: 157494.9/18

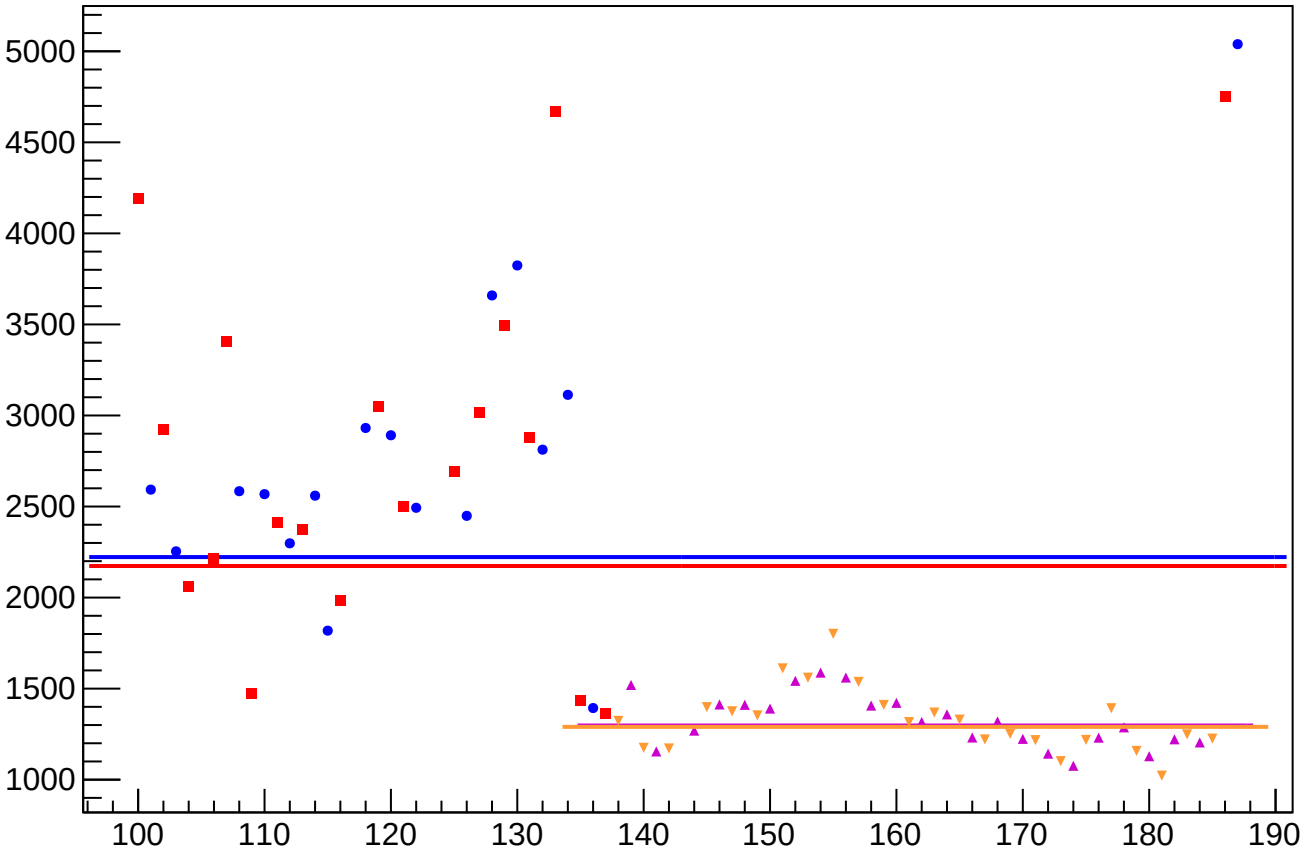
Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2122.658+/-0.295 χ^2/NDF: 280855.3/40

All: 2122.770+/-0.209 χ^2/NDF: 525045.9/82

- sign 2122.881+/-0.295 χ^2/NDF: 244190.3/41


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1664.316+/-859.764 χ²/NDF: 22.5/16
Left Out: -1144.779+/-302.490 χ²/NDF:67.5/23
Right Out: -1396.765+/-841.638 χ²/NDF: 13.0/18
Left In: -373.186+/-305.379 χ²/NDF:20.3/22
+ sign -1202.006+/-285.345 χ²/NDF: 90.4/40
All: -849.270+/-202.375 χ²/NDF: 128.0/82
- sign -492.265+/-287.066 χ²/NDF: 34.6/41



Right In: 2222.413+/-0.608 χ^2/NDF: 1367114.1/16

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

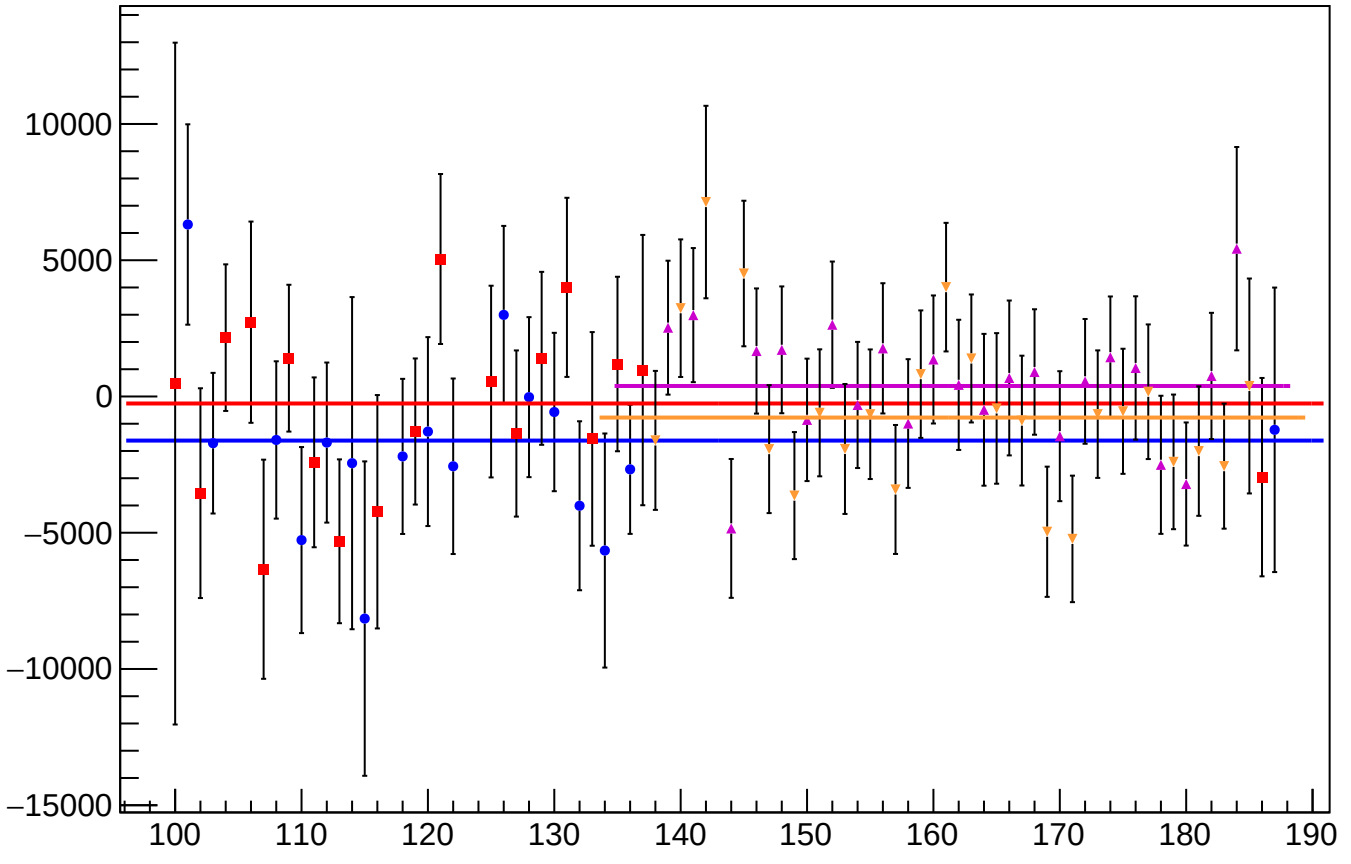
Right Out: 2173.418+/-0.595 χ^2/NDF: 1691055.8/18

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1392.741+/-0.202 χ^2/NDF: 4027990.7/40

All: 1396.032+/-0.143 χ^2/NDF: 8067999.4/82

- sign 1399.363+/-0.203 χ^2/NDF: 4039473.3/41



Right In: -1618.408+/-788.804 χ^2/NDF: 11.3/16

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -257.325+/-777.528 χ^2/NDF: 15.1/18

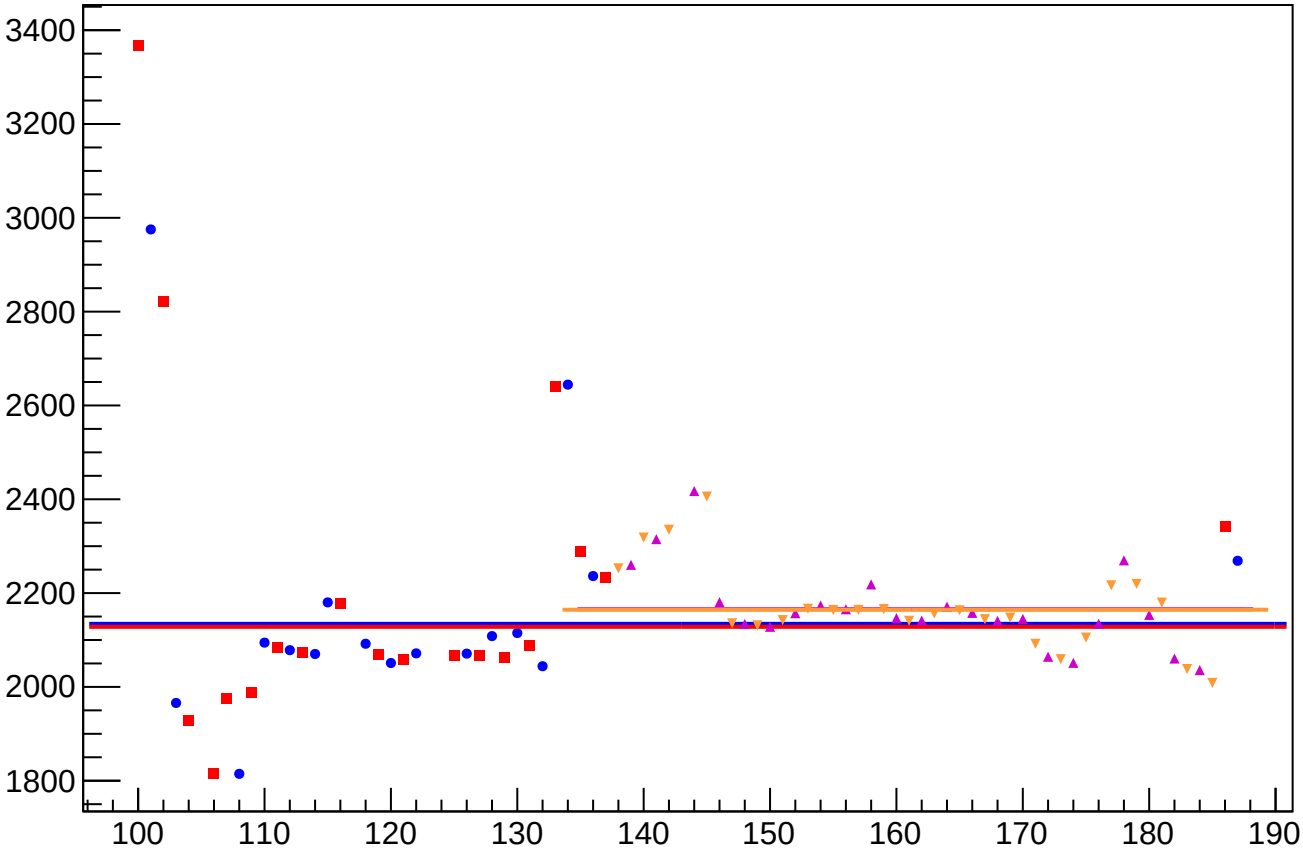
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1017.676+/-424.000 χ^2/NDF: 40.7/40

All: -411.996+/-299.860 χ^2/NDF: 76.1/82

- sign 194.061+/-424.132 χ^2/NDF: 31.3/41

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2134.439+/-0.558 χ^2/NDF: 177300.0/16

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

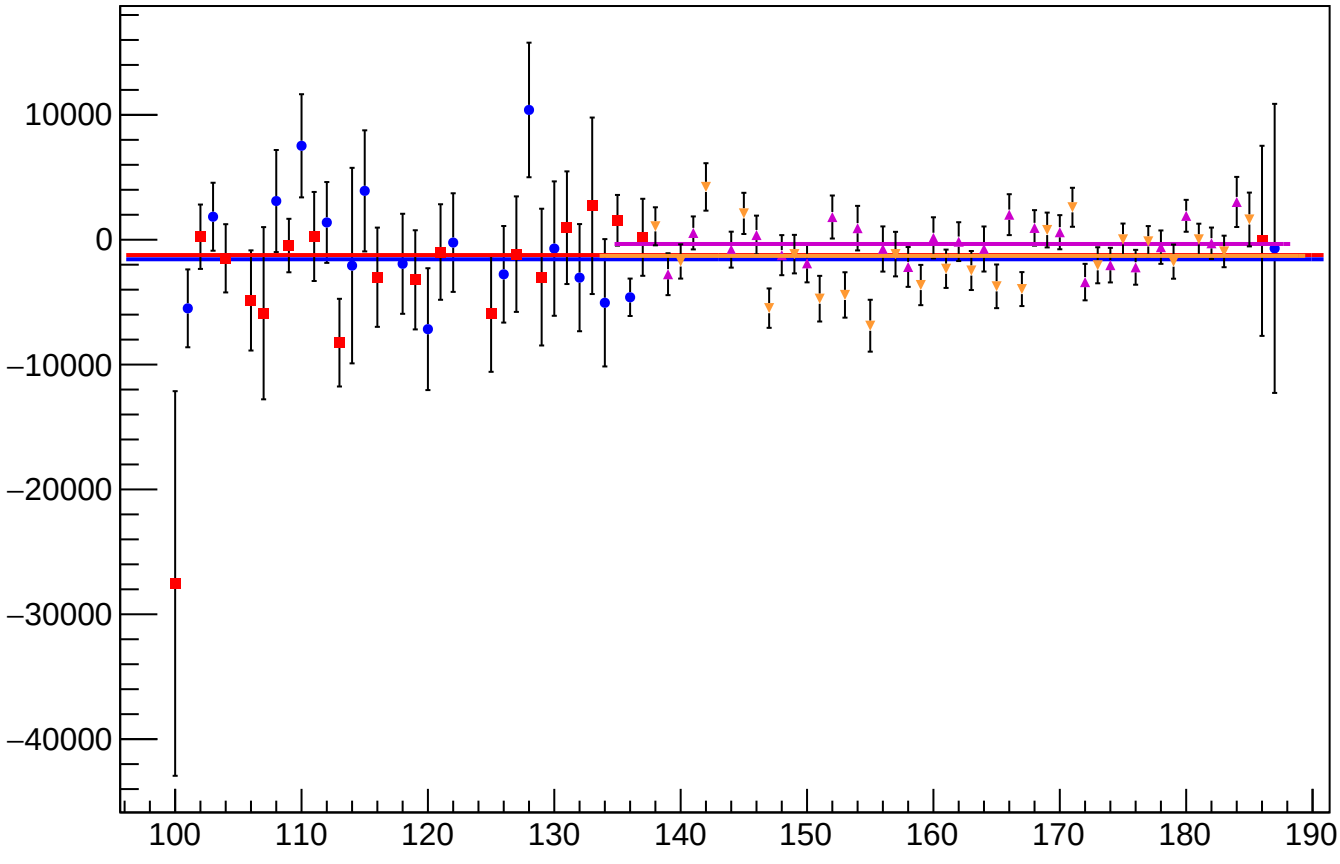
Right Out: 2128.074+/-0.550 χ^2/NDF: 170830.1/18

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2155.837+/-0.300 χ^2/NDF: 230046.2/40

All: 2155.151+/-0.212 χ^2/NDF: 456291.3/82

- sign 2154.464+/-0.300 χ^2/NDF: 226234.7/41



Right In: -1566.260+/-857.392 χ^2/NDF: 22.6/16

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: -1227.808+/-815.064 χ^2/NDF: 13.1/18

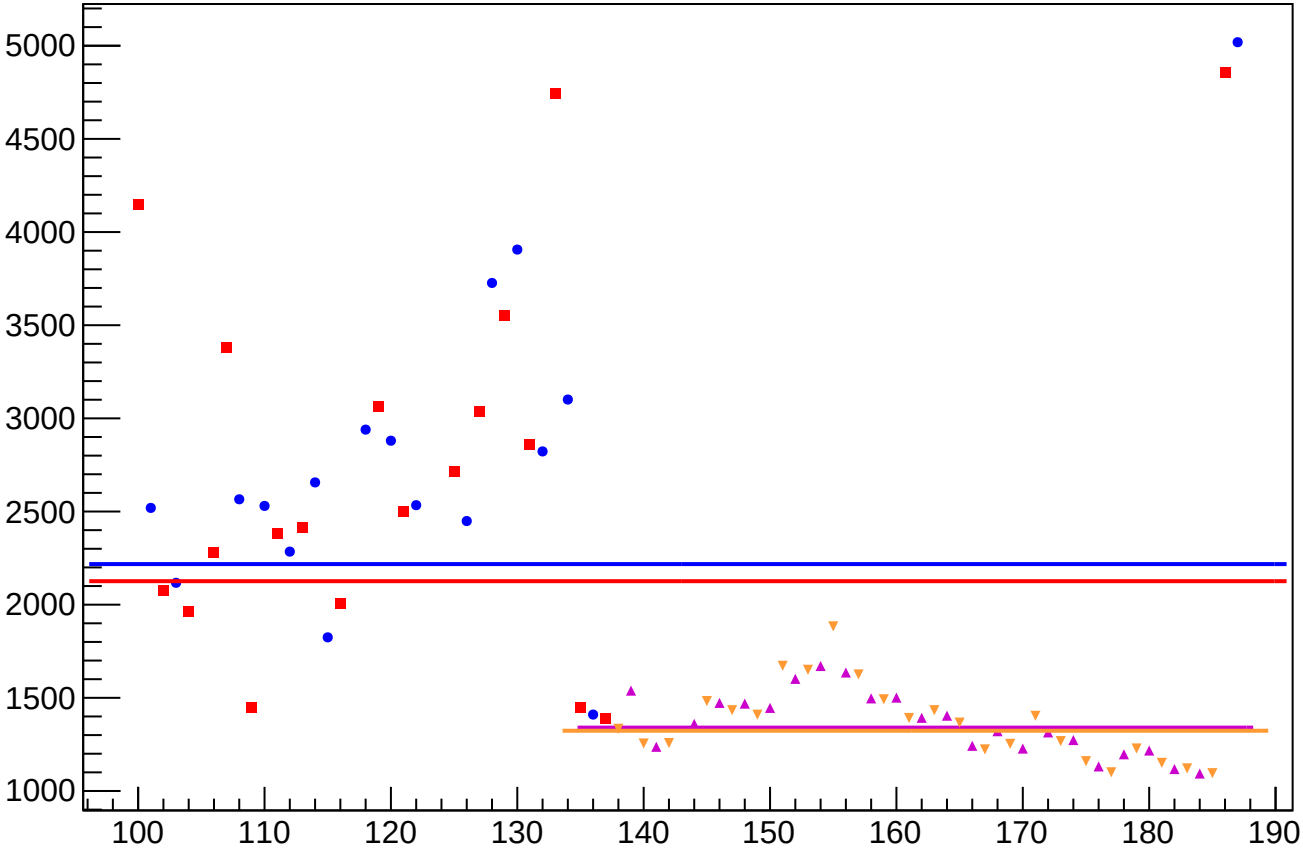
Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1325.337+/-292.047 χ^2/NDF: 81.4/40

All: -894.390+/-207.293 χ^2/NDF: 124.7/82

- sign -456.828+/-294.280 χ^2/NDF: 38.9/41

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug



Right In: 2217.829+/-0.606 χ^2/NDF: 1340715.2/16

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

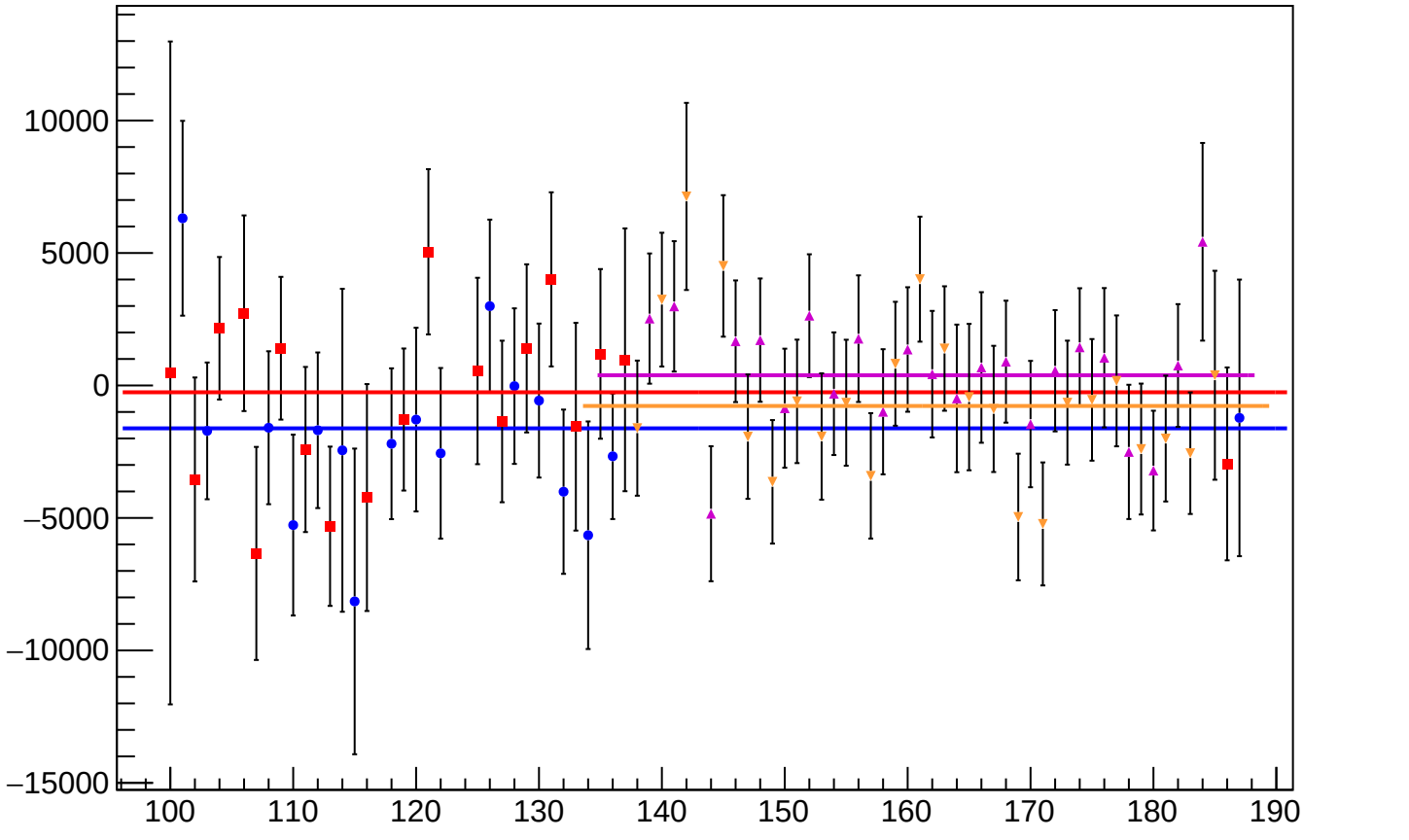
Right Out: 2126.110+/-0.576 χ^2/NDF: 1634018.2/18

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1427.177+/-0.207 χ^2/NDF: 3928557.0/40

All: 1434.804+/-0.147 χ^2/NDF: 7677153.3/82

- sign 1442.549+/-0.208 χ^2/NDF: 3745846.8/41



Right In: -1618.410+/-788.804 χ^2/NDF: 11.3/16

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -257.317+/-777.528 χ^2/NDF: 15.1/18

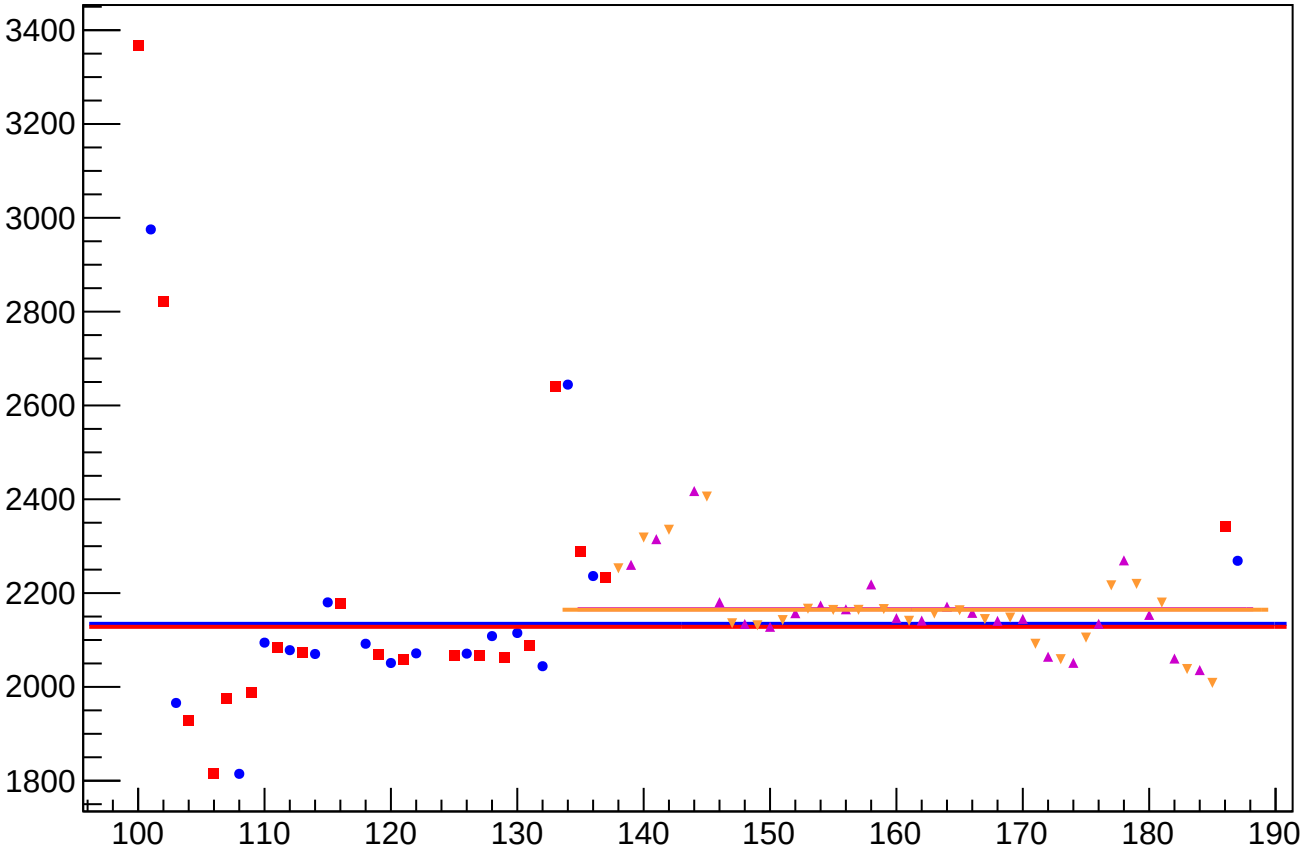
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -1017.674+/-424.000 χ^2/NDF: 40.7/40

All: -411.994+/-299.860 χ^2/NDF: 76.1/82

- sign 194.063+/-424.132 χ^2/NDF: 31.3/41

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2134.439+/-0.558 χ^2/NDF: 177300.0/16

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

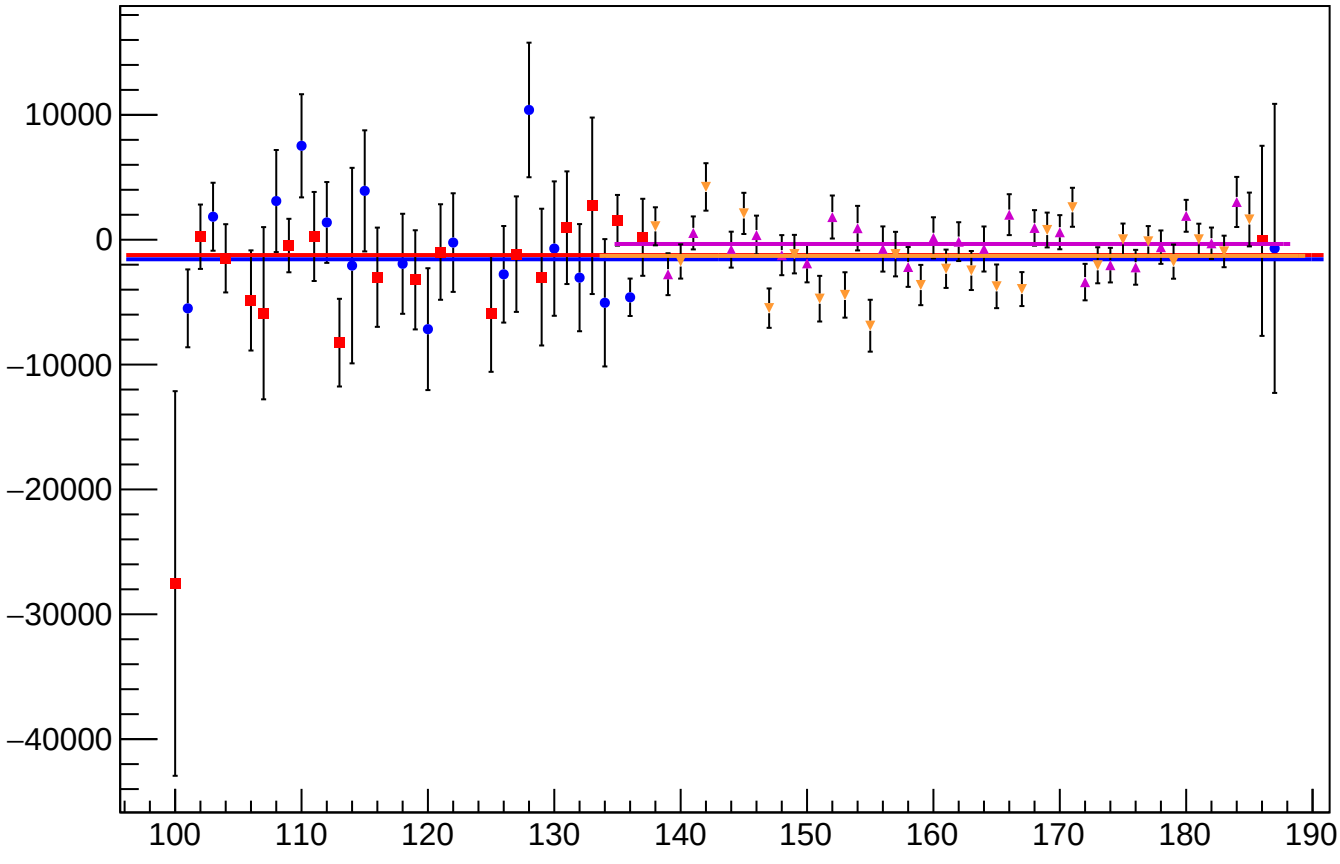
Right Out: 2128.074+/-0.550 χ^2/NDF: 170830.0/18

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2155.837+/-0.300 χ^2/NDF: 230046.2/40

All: 2155.151+/-0.212 χ^2/NDF: 456291.1/82

- sign 2154.464+/-0.300 χ^2/NDF: 226234.5/41



Right In: -1566.246+/-857.395 χ^2/NDF: 22.6/16

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

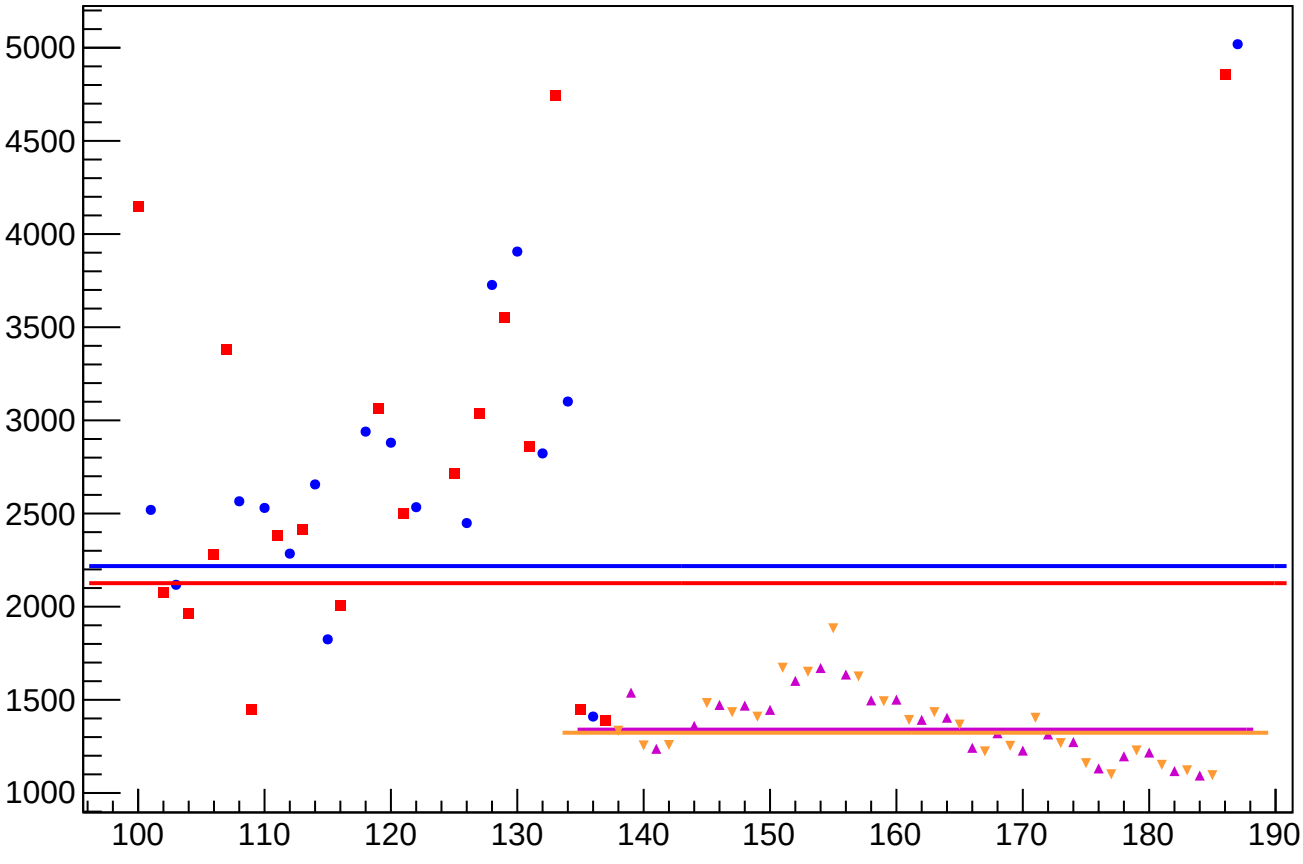
Right Out: -1227.822+/-815.067 χ^2/NDF: 13.1/18

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1325.336+/-292.047 χ^2/NDF: 81.4/40

All: -894.389+/-207.293 χ^2/NDF: 124.7/82

- sign -456.826+/-294.280 χ^2/NDF: 38.9/41



Right In: 2217.842+/-0.606 χ^2/NDF: 1340654.7/16

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2126.122+/-0.576 χ^2/NDF: 1633968.1/18

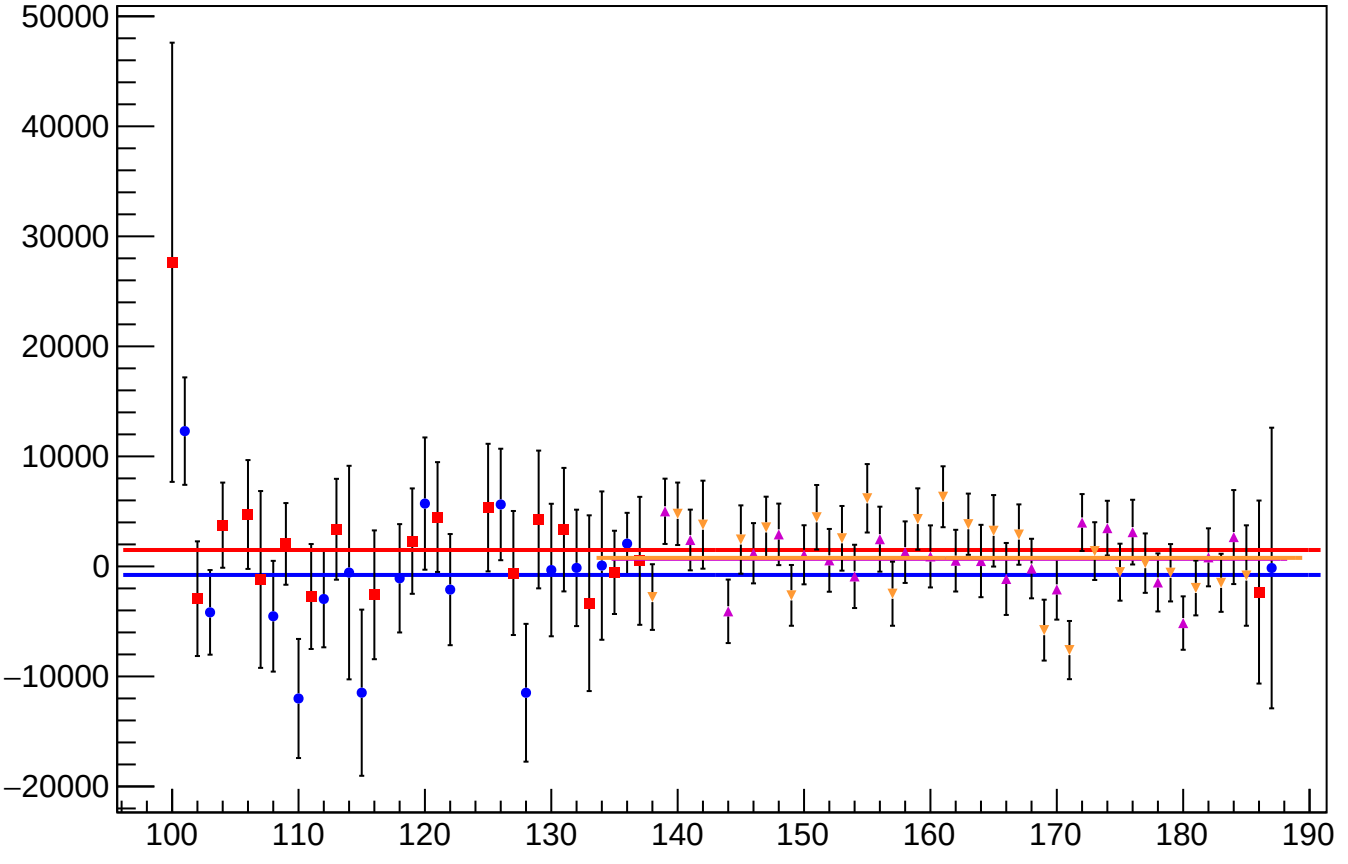
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1427.177+/-0.207 χ^2/NDF: 3928537.6/40

All: 1434.804+/-0.147 χ^2/NDF: 7677138.4/82

- sign 1442.549+/-0.208 χ^2/NDF: 3745851.6/41

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -775.652+/-1235.868 χ^2/NDF: 21.9/16

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1492.551+/-1206.078 χ^2/NDF: 6.9/18

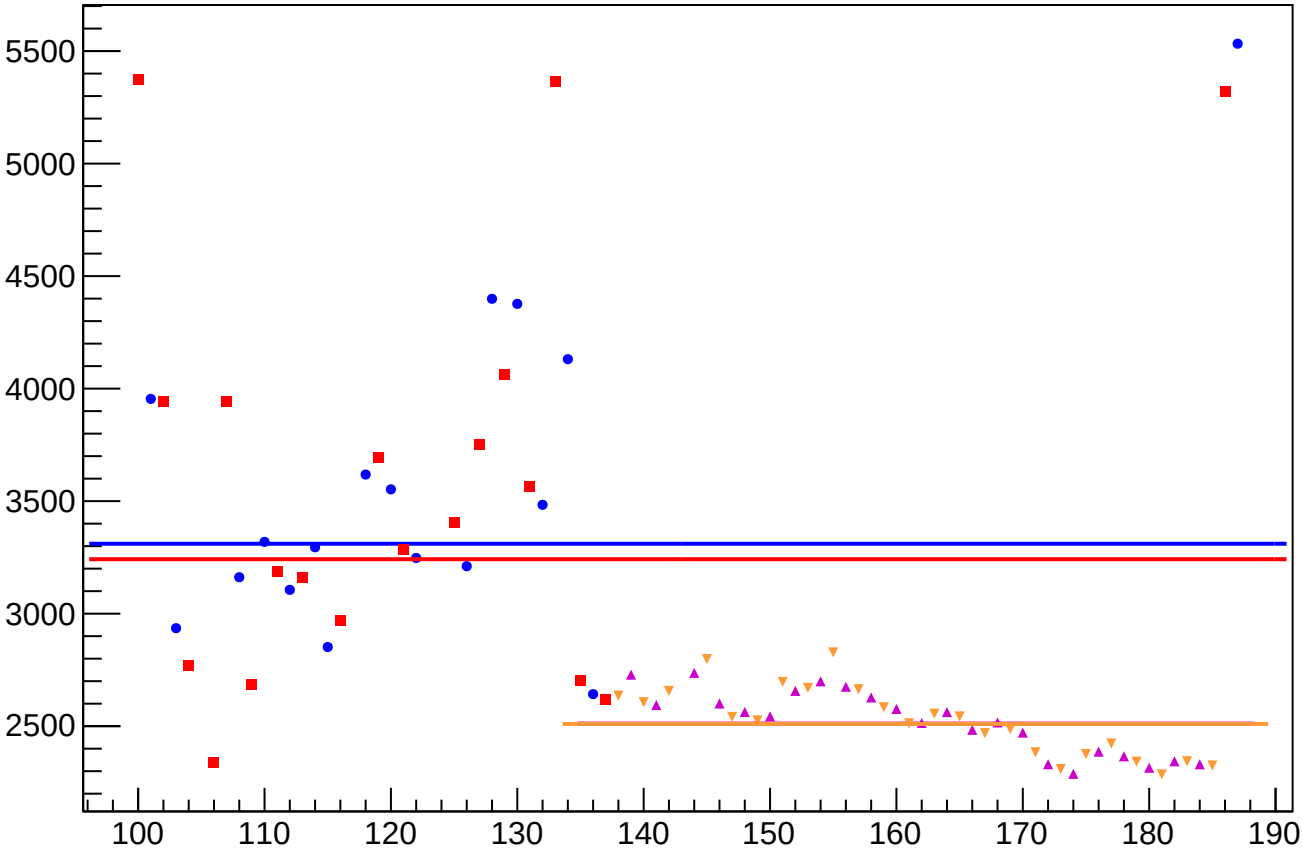
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 492.020+/-527.788 χ^2/NDF: 62.5/40

All: 667.832+/-373.320 χ^2/NDF: 88.4/82

\- sign 843.866+/-528.119 χ^2/NDF: 25.6/41

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3310.751+/-0.874 χ^2/NDF: 408874.9/16

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

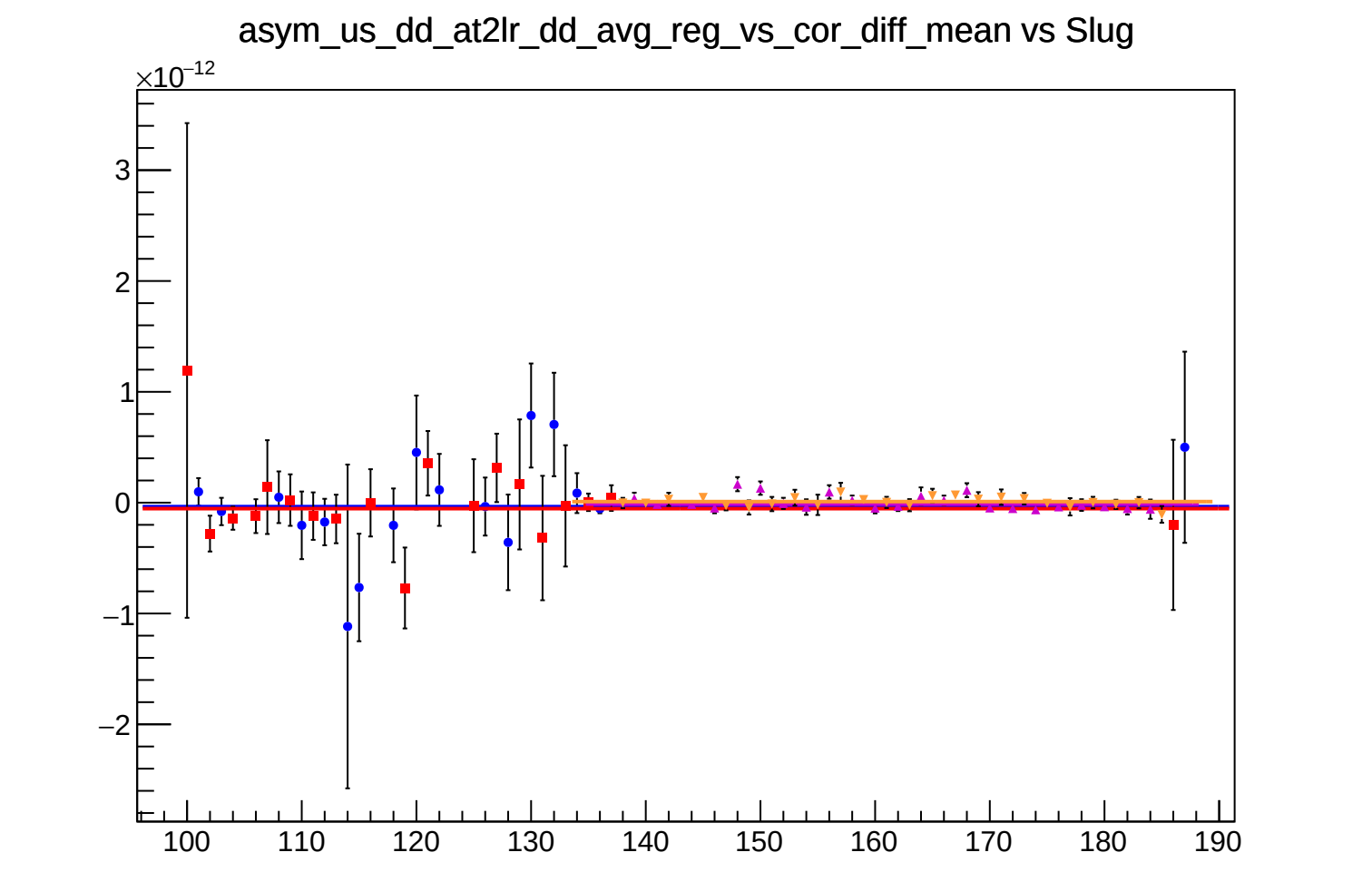
Right Out: 3241.978+/-0.853 χ^2/NDF: 627294.3/18

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2656.097+/-0.373 χ^2/NDF: 1223879.1/40

All: 2653.878+/-0.264 χ^2/NDF: 2557546.3/82

- sign 2651.656+/-0.373 χ^2/NDF: 1333596.5/41



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

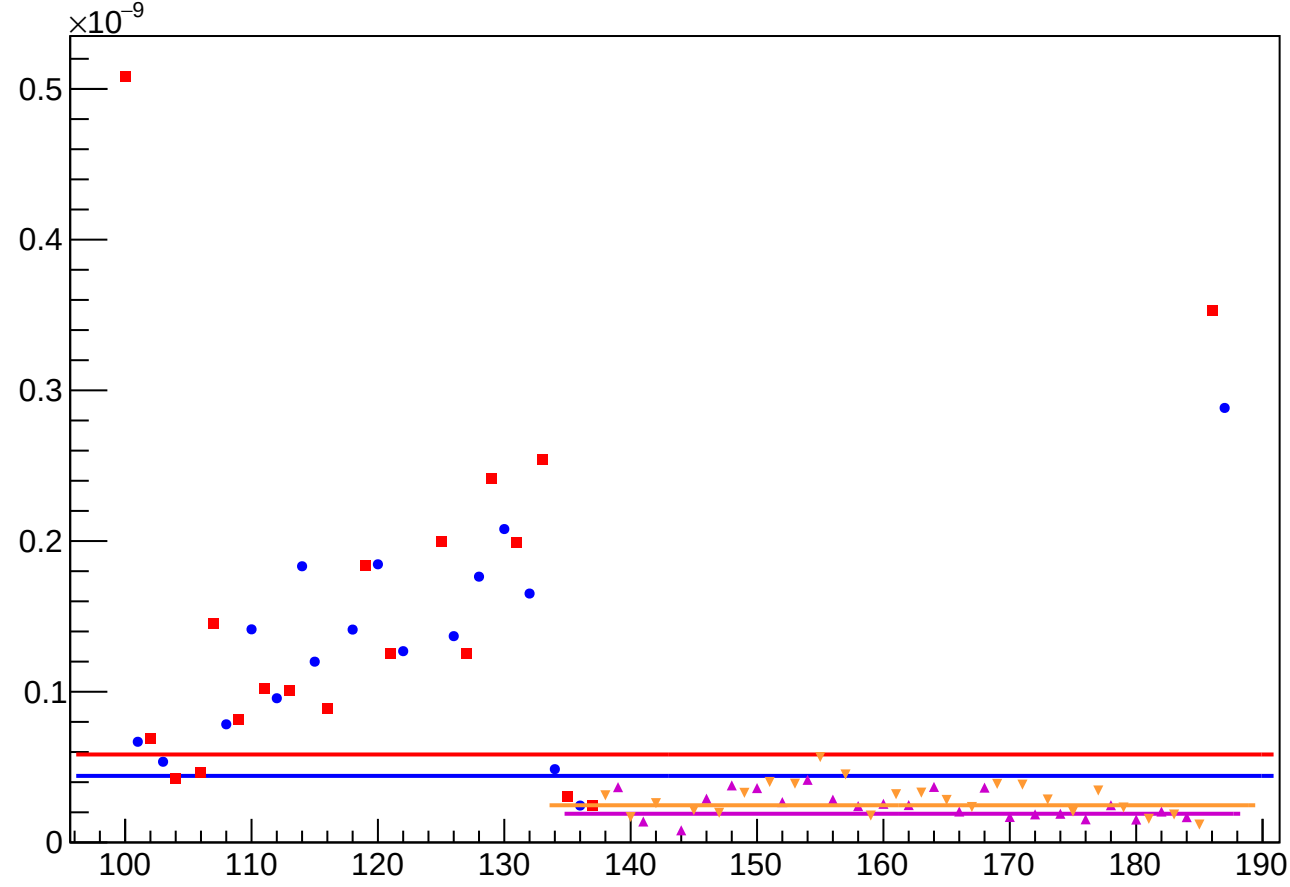
Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/40

All: -0.000+/-0.000 χ^2/NDF: 74.4/82

- sign -0.000+/-0.000 χ^2/NDF: 44.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 2388464.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

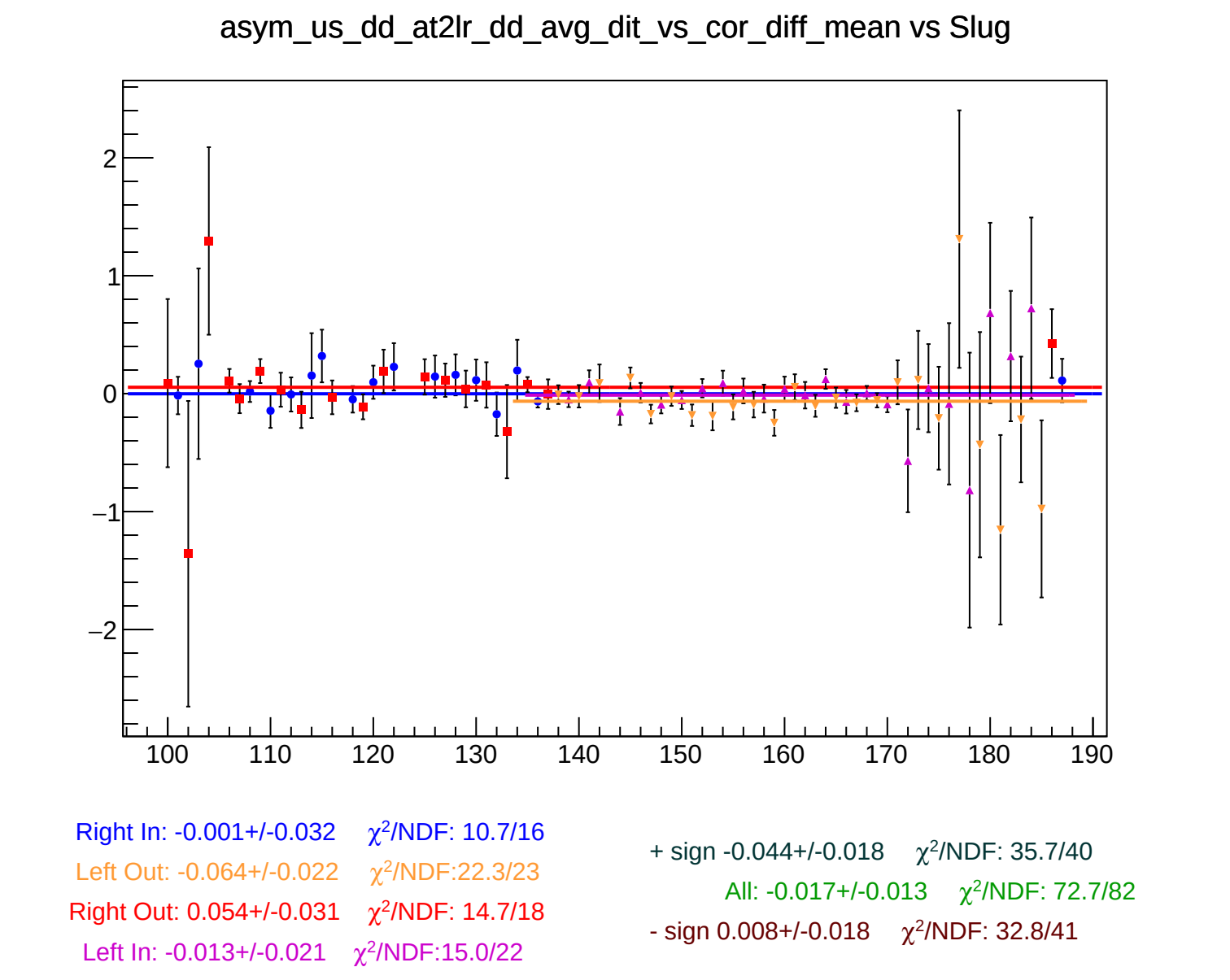
Right Out: 0.000+/-0.000 χ^2/NDF: 2381941.7/18

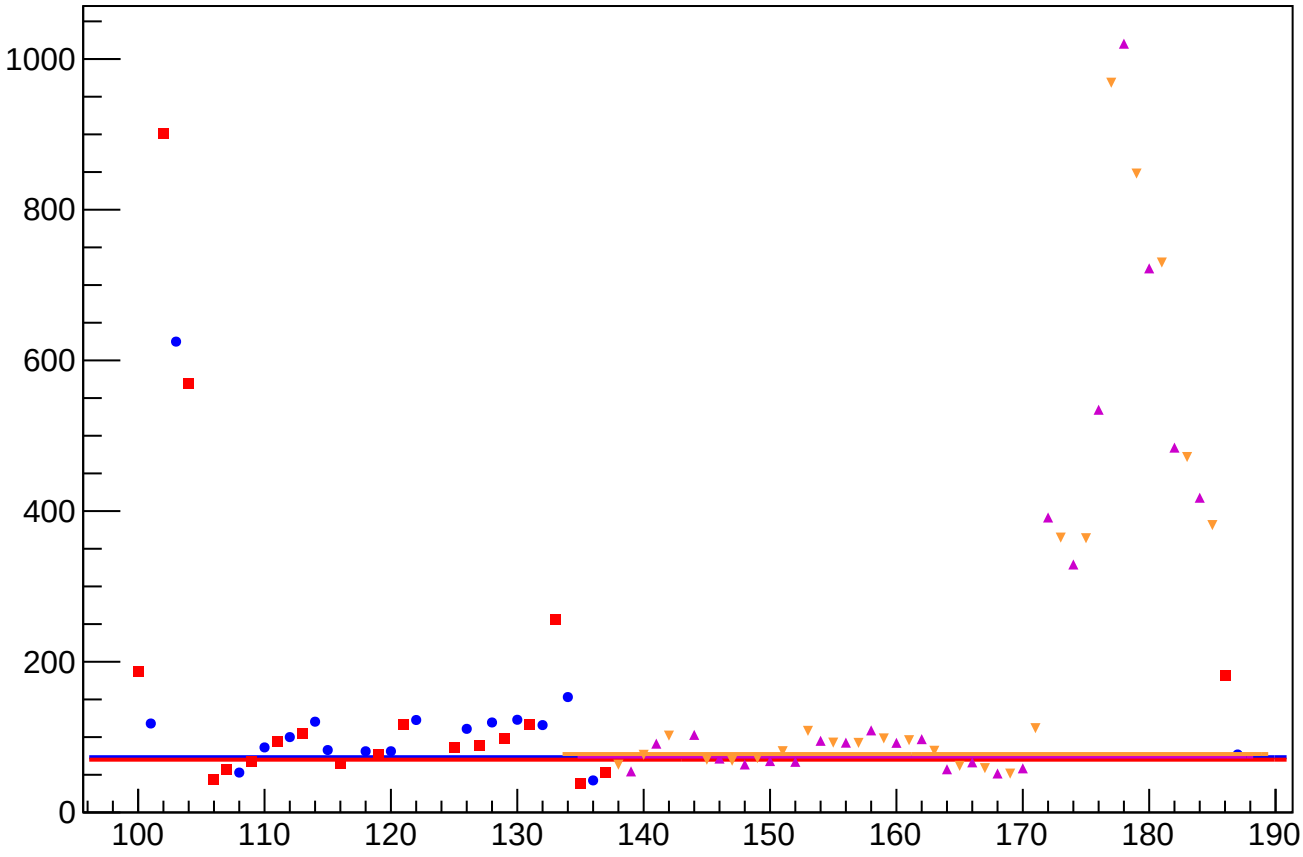
Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 4395997.1/40

All: 0.000+/-0.000 χ^2/NDF: 10958020.2/82

- sign 0.000+/-0.000 χ^2/NDF: 6162126.5/41


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.001+/-0.032 χ²/NDF: 10.7/16
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.054+/-0.031 χ²/NDF: 14.7/18
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.044+/-0.018 χ²/NDF: 35.7/40
All: -0.017+/-0.013 χ²/NDF: 72.7/82
- sign 0.008+/-0.018 χ²/NDF: 32.8/41



Right In: 73.345+/-0.022 χ^2/NDF: 2855388.4/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 70.044+/-0.022 χ^2/NDF: 3629784.4/18

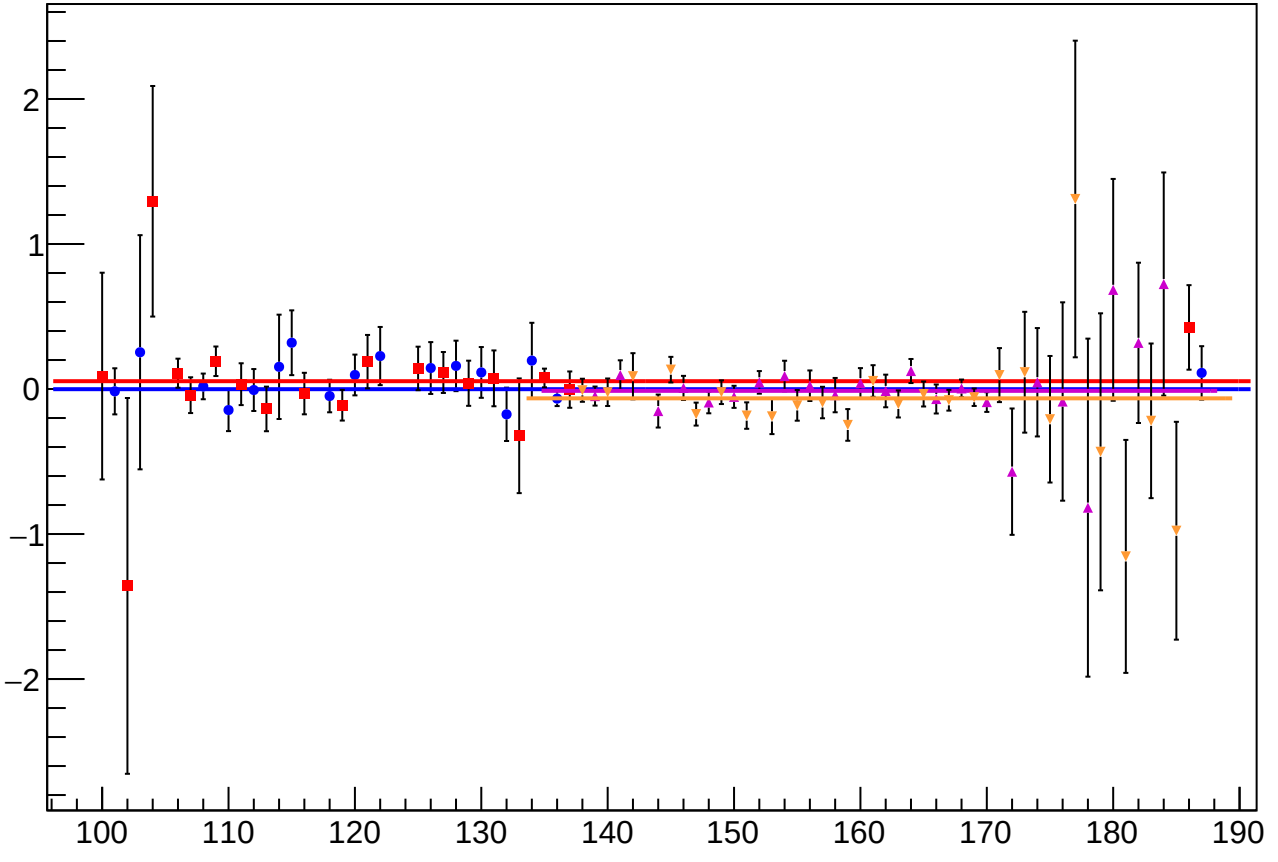
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.165+/-0.013 χ^2/NDF: 11210032.2/40

All: 74.488+/-0.009 χ^2/NDF: 23411206.7/82

- sign 72.920+/-0.012 χ^2/NDF: 12168095.9/41

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

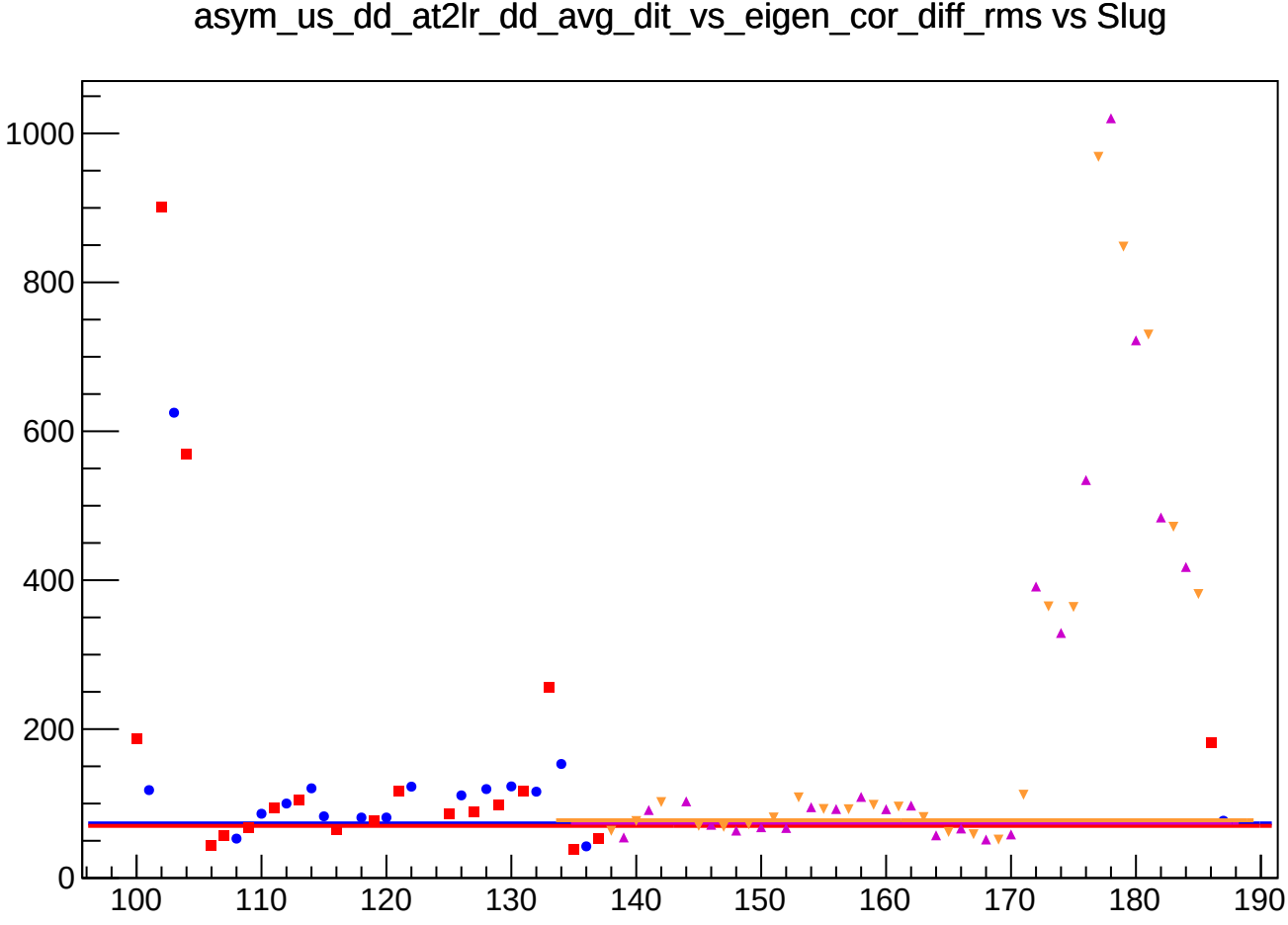
Right Out: 0.054+/-0.031 χ^2/NDF: 14.7/18

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.044+/-0.018 χ^2/NDF: 35.7/40

All: -0.017+/-0.013 χ^2/NDF: 72.7/82

- sign 0.008+/-0.018 χ^2/NDF: 32.8/41



Right In: 73.345+/-0.022 χ^2/NDF: 2855388.4/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

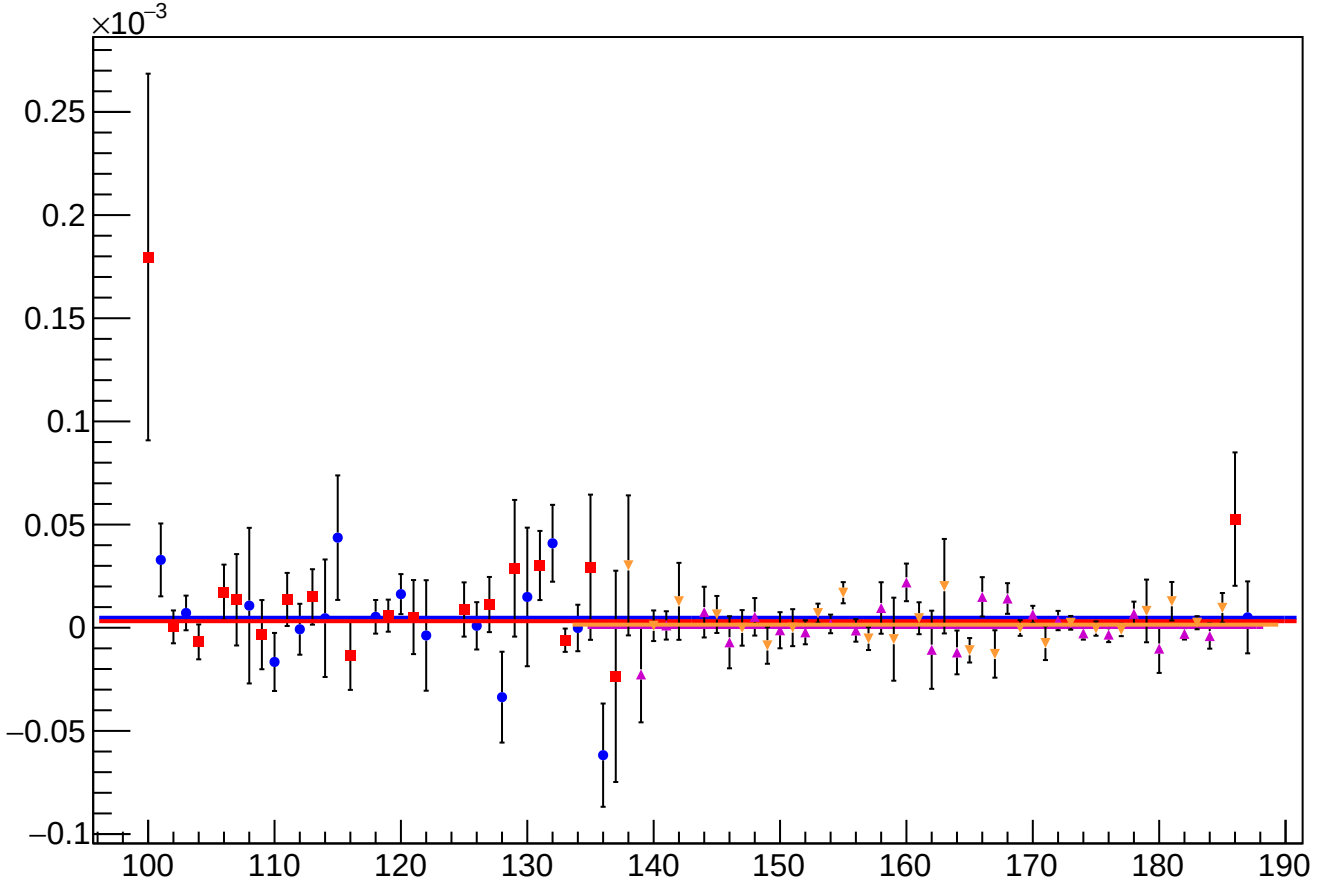
Right Out: 70.044+/-0.022 χ^2/NDF: 3629784.4/18

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 76.165+/-0.013 χ^2/NDF: 11210032.2/40

All: 74.488+/-0.009 χ^2/NDF: 23411206.7/82

- sign 72.920+/-0.012 χ^2/NDF: 12168095.9/41



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

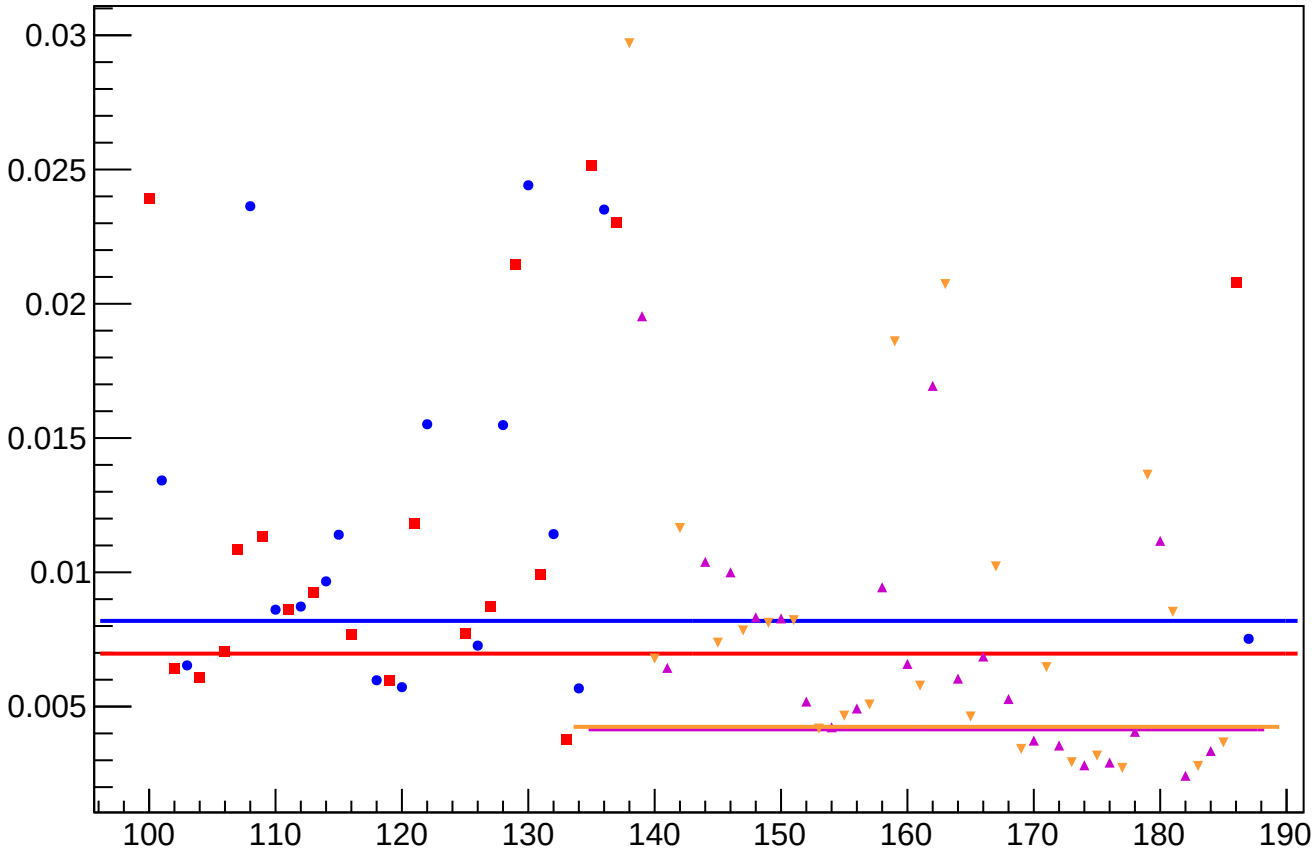
Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/40

All: 0.000+/-0.000 χ^2/NDF: 95.6/82

- sign 0.000+/-0.000 χ^2/NDF: 44.6/41



Right In: 0.008+/-0.000 χ^2/NDF: 2659223.0/16

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

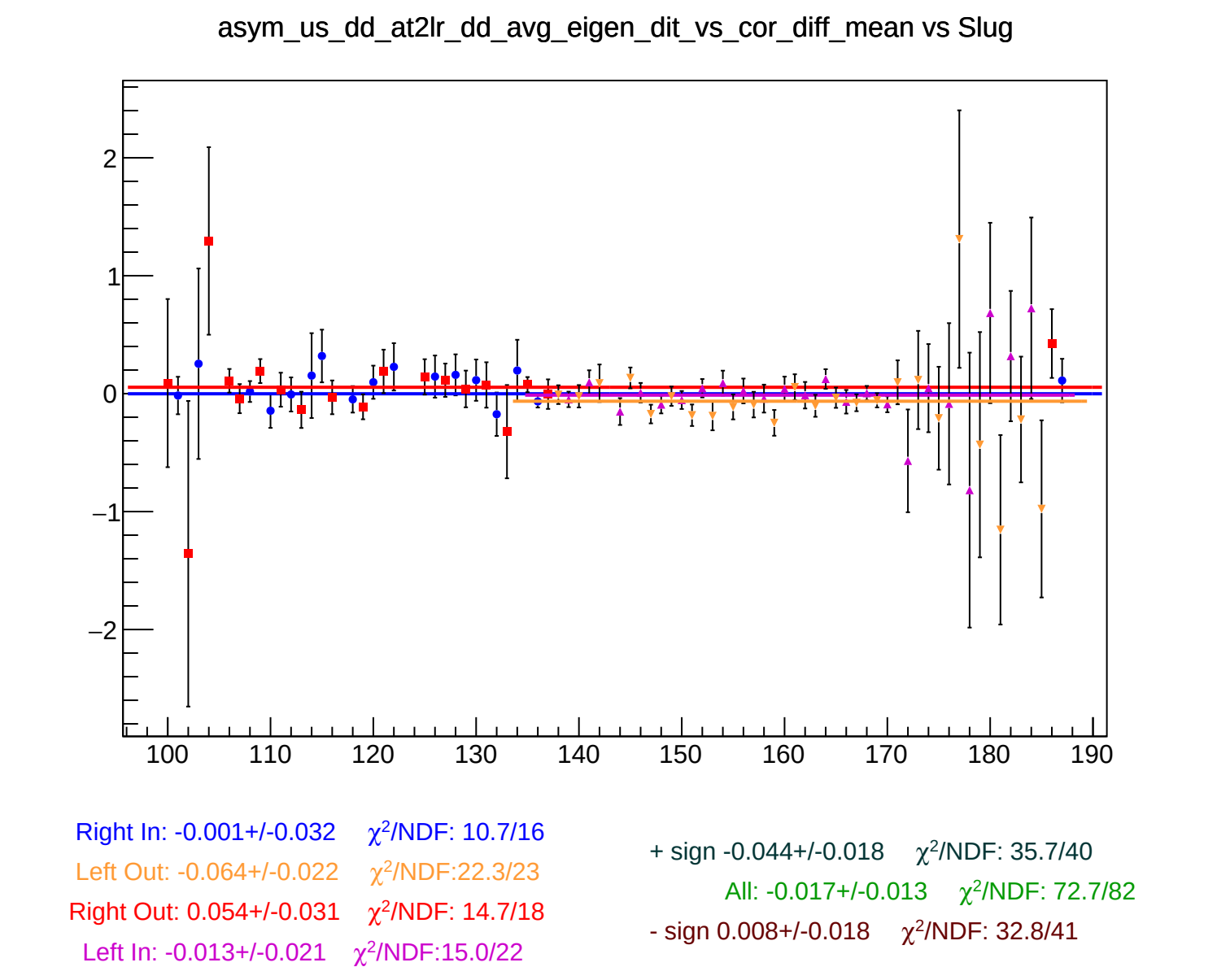
Right Out: 0.007+/-0.000 χ^2/NDF: 2794247.6/18

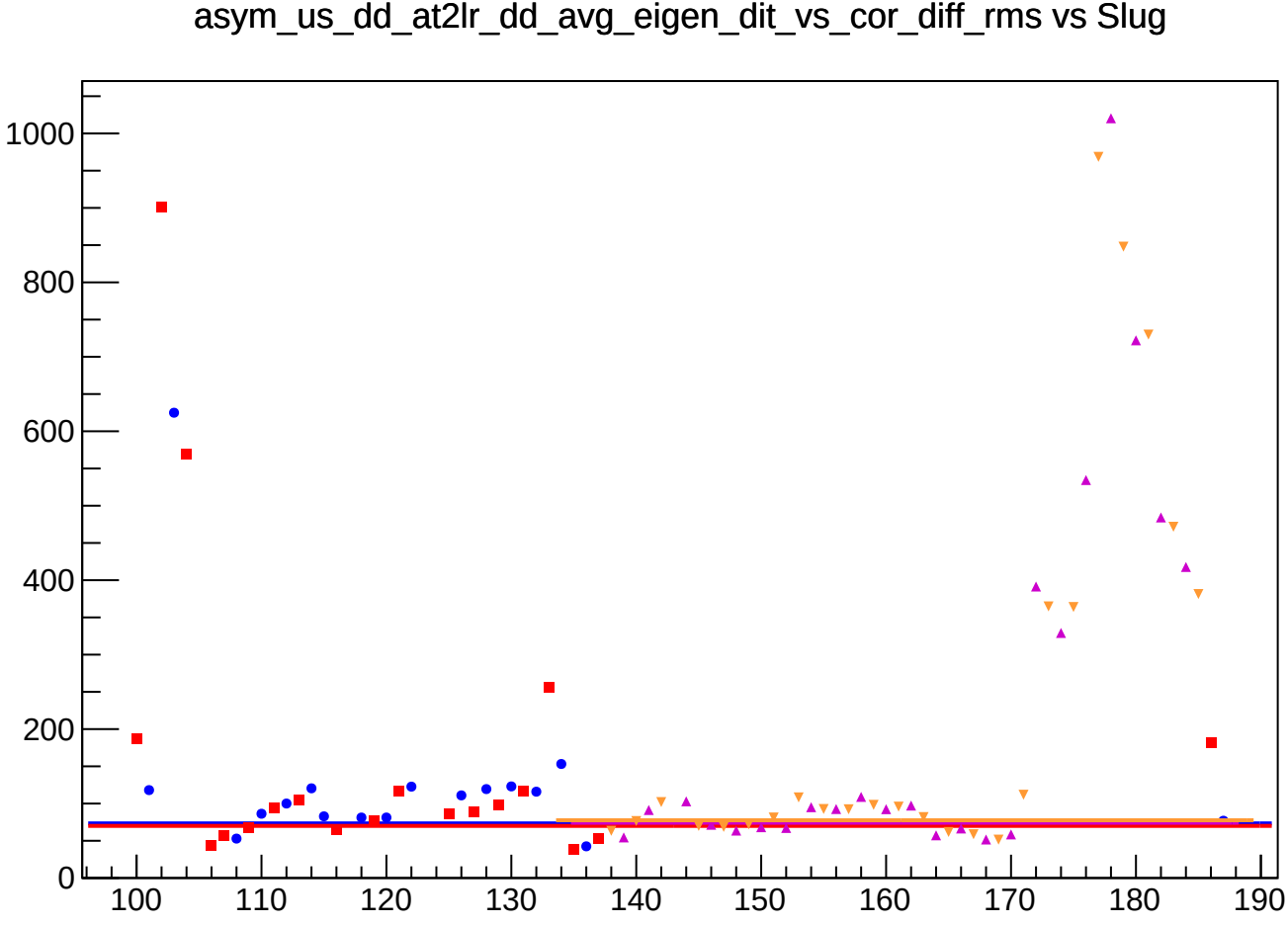
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 13694715.1/40

All: 0.005+/-0.000 χ^2/NDF: 25073480.0/82

- sign 0.005+/-0.000 χ^2/NDF: 11374220.5/41


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.001+/-0.032 χ²/NDF: 10.7/16
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.054+/-0.031 χ²/NDF: 14.7/18
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.044+/-0.018 χ²/NDF: 35.7/40
All: -0.017+/-0.013 χ²/NDF: 72.7/82
- sign 0.008+/-0.018 χ²/NDF: 32.8/41



Right In: 73.369+/-0.022 χ^2/NDF: 2853084.3/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

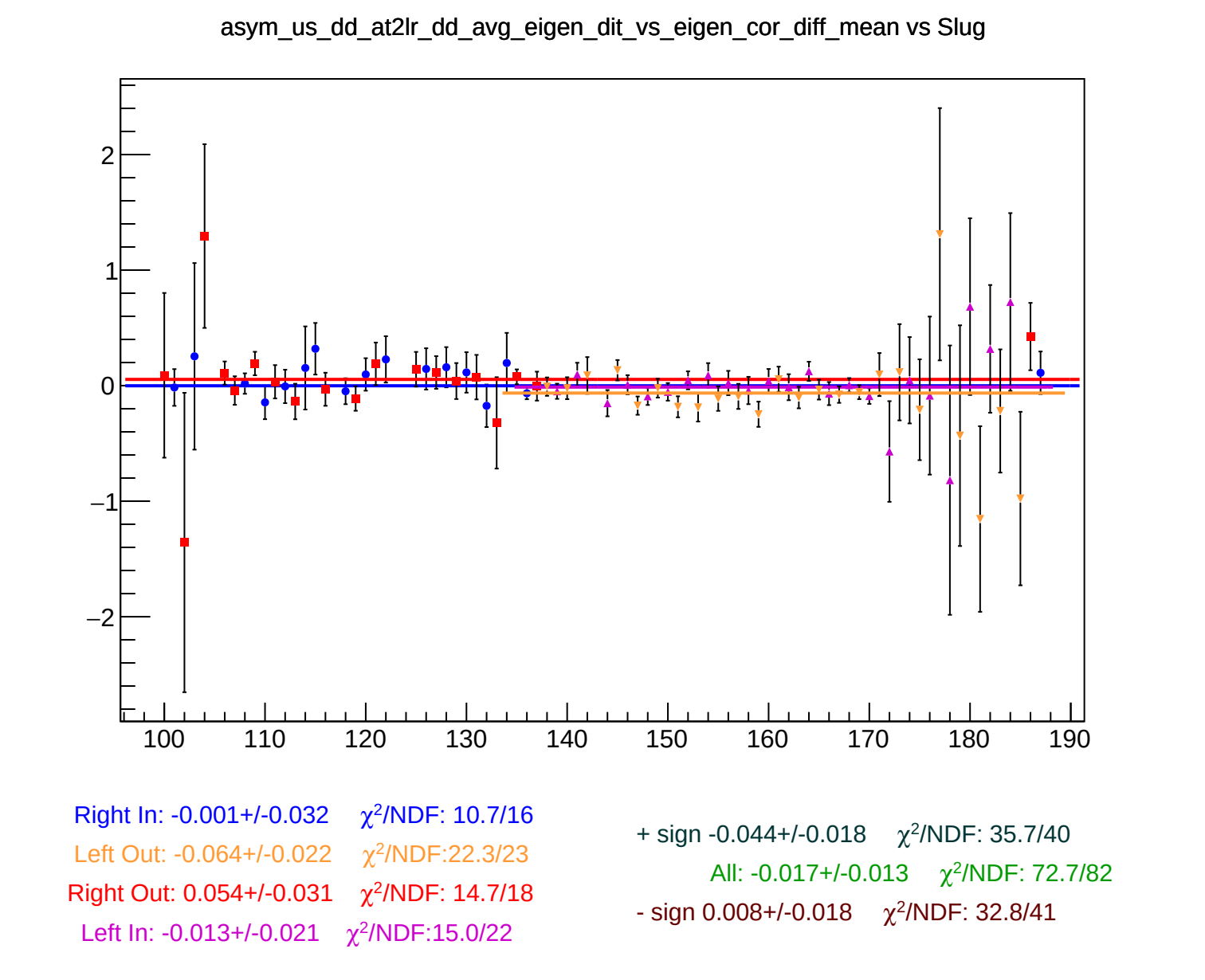
Right Out: 70.032+/-0.022 χ^2/NDF: 3630853.7/18

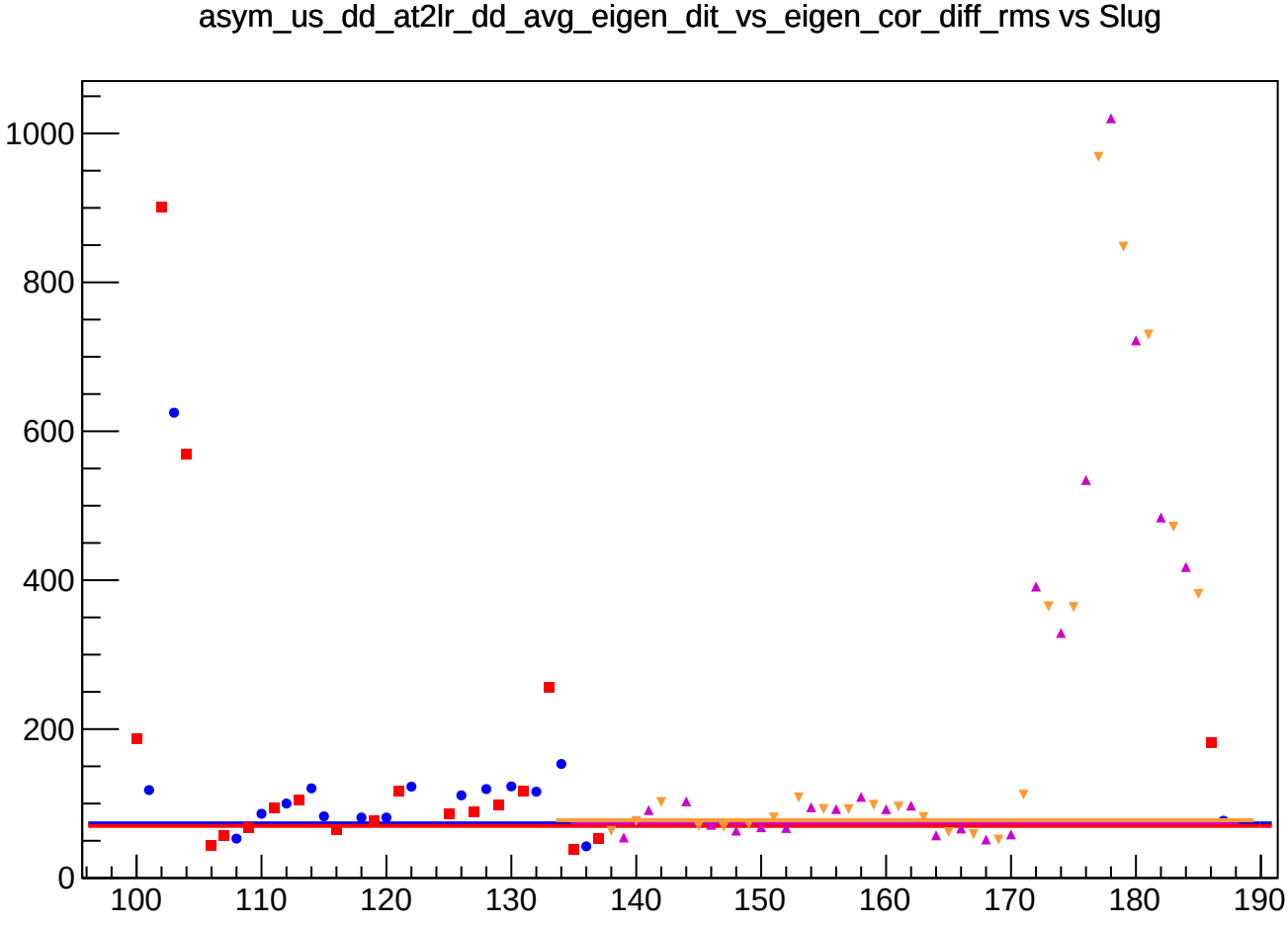
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.174+/-0.013 χ^2/NDF: 11207358.6/40

All: 74.491+/-0.009 χ^2/NDF: 23409683.9/82

- sign 72.917+/-0.012 χ^2/NDF: 12169024.7/41


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.001+/-0.032 χ²/NDF: 10.7/16
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.054+/-0.031 χ²/NDF: 14.7/18
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.044+/-0.018 χ²/NDF: 35.7/40
All: -0.017+/-0.013 χ²/NDF: 72.7/82
- sign 0.008+/-0.018 χ²/NDF: 32.8/41



Right In: 73.369+/-0.022 χ^2/NDF: 2853084.3/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

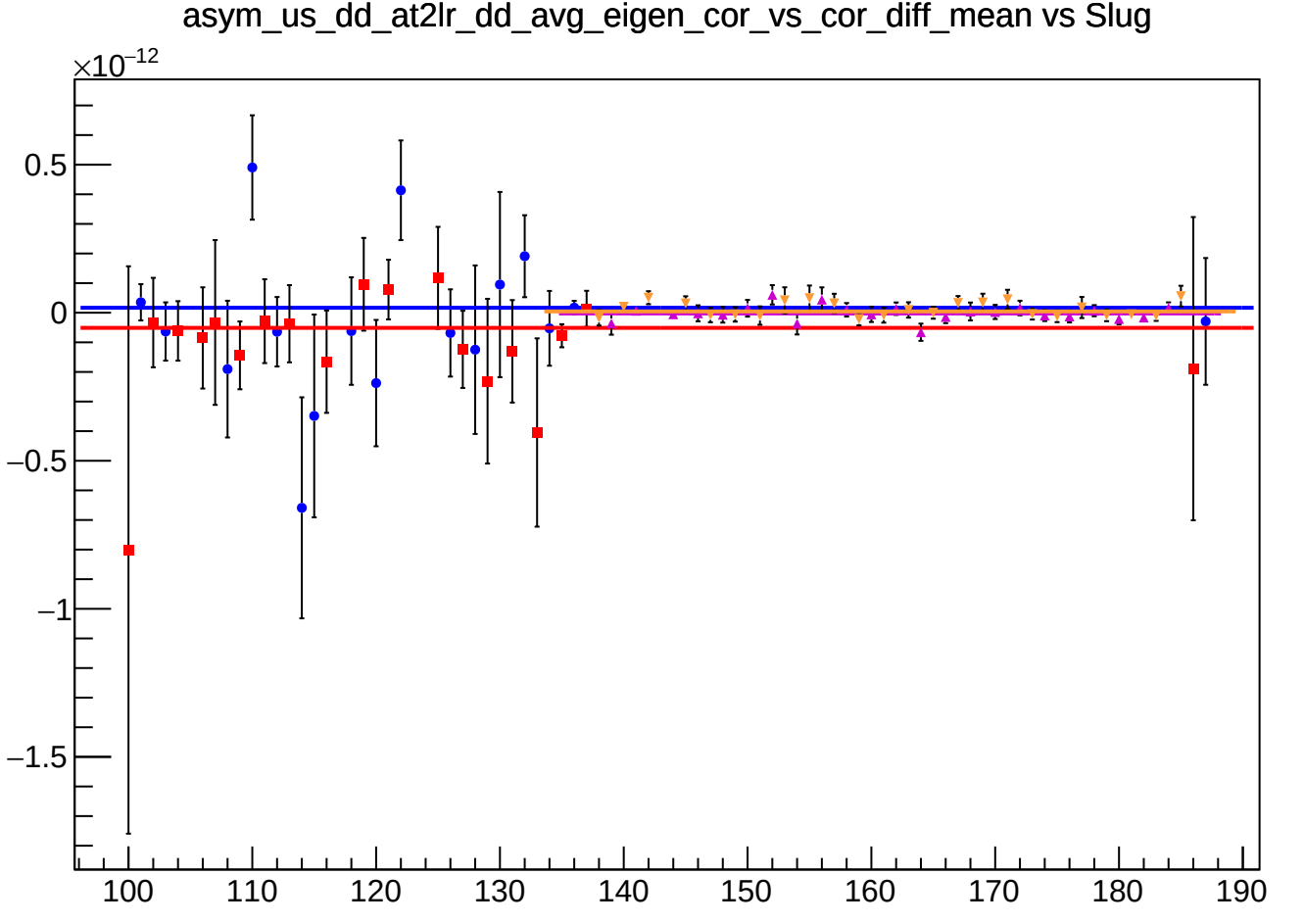
Right Out: 70.032+/-0.022 χ^2/NDF: 3630853.7/18

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 76.174+/-0.013 χ^2/NDF: 11207358.6/40

All: 74.491+/-0.009 χ^2/NDF: 23409683.9/82

- sign 72.917+/-0.012 χ^2/NDF: 12169024.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

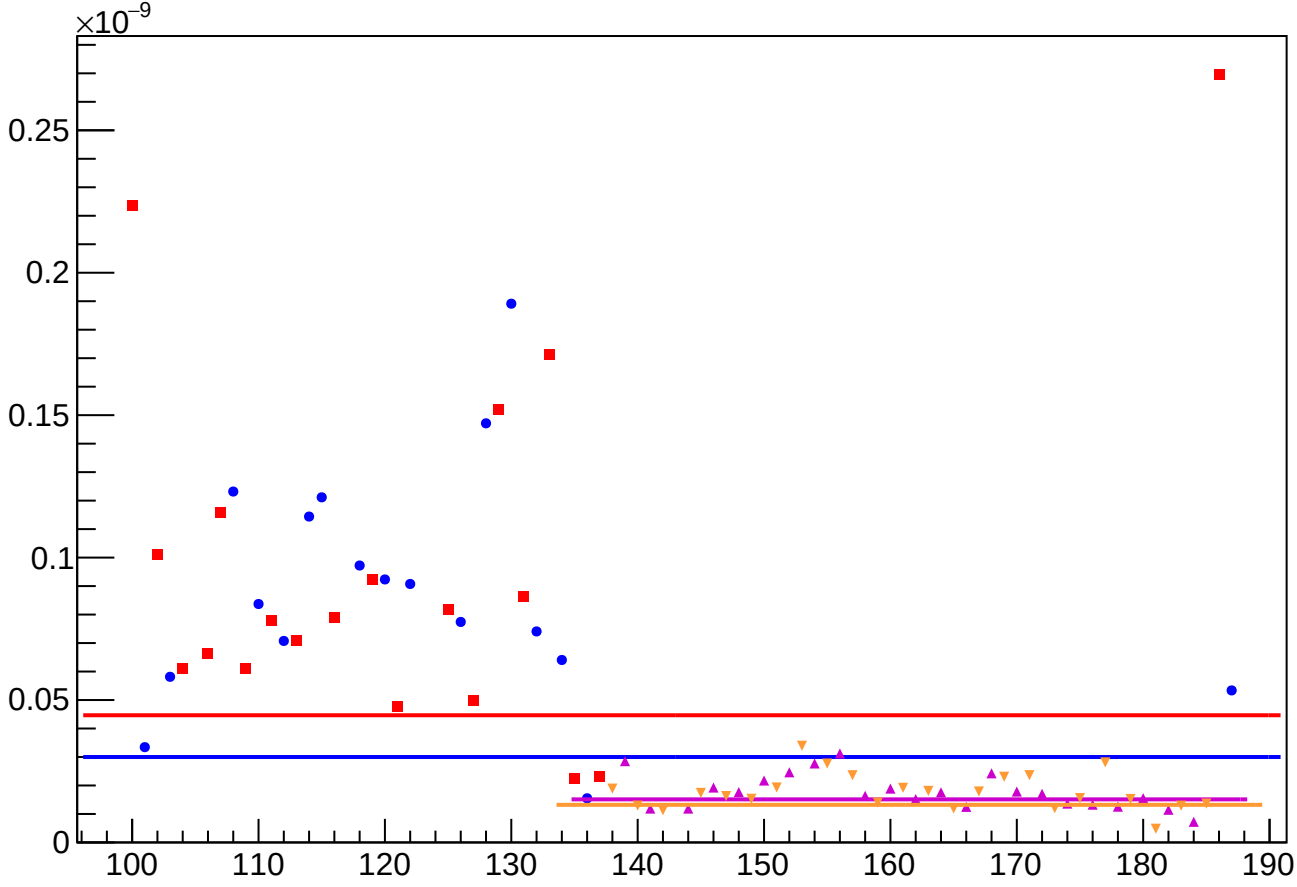
Right Out: -0.000+/-0.000 χ^2/NDF: 9.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/40

All: 0.000+/-0.000 χ^2/NDF: 78.0/82

- sign -0.000+/-0.000 χ^2/NDF: 30.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 4103836.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3165847.1/18

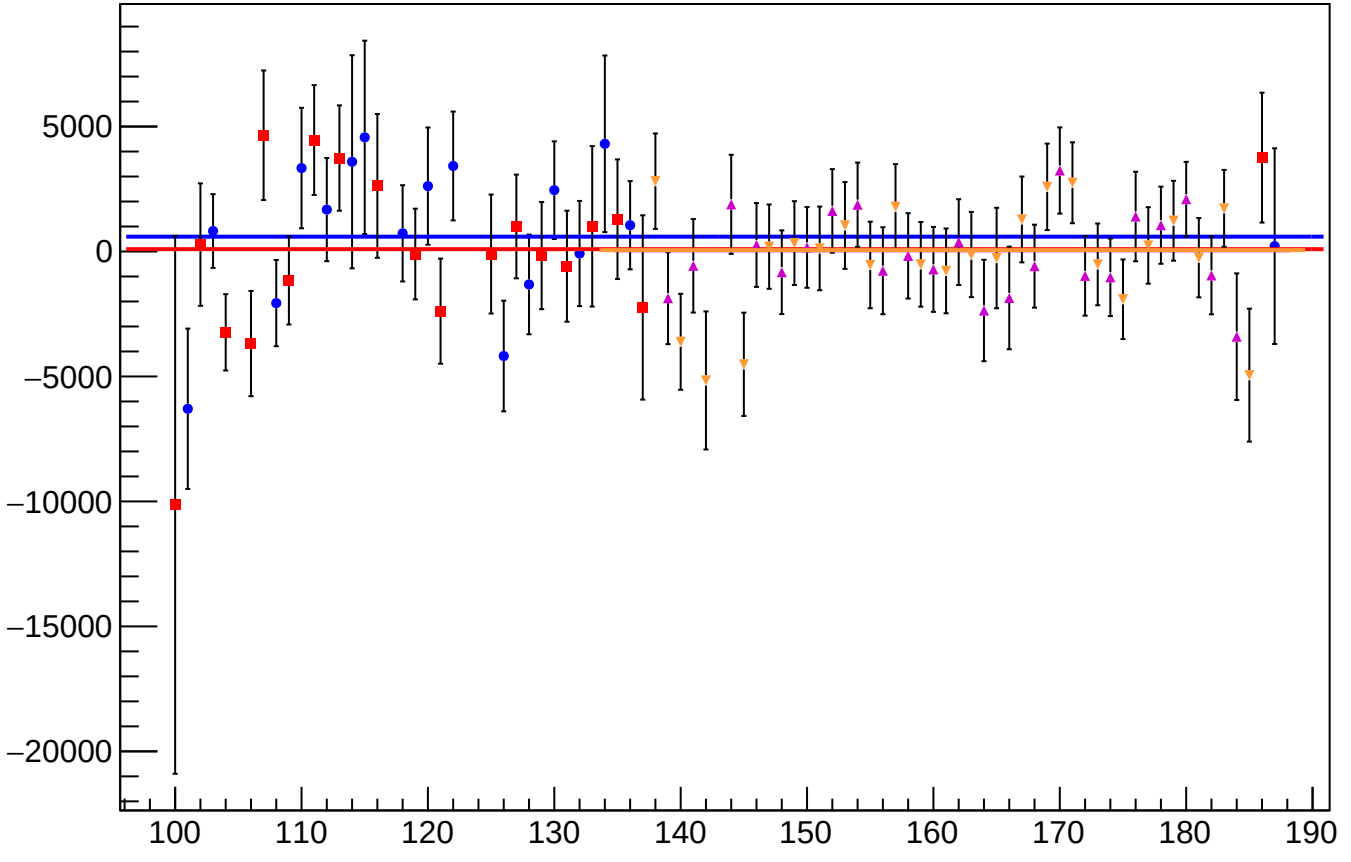
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9786180.0/40

All: 0.000+/-0.000 χ^2/NDF: 18078446.7/82

- sign 0.000+/-0.000 χ^2/NDF: 8061024.2/41

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 592.936+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 93.436+/-519.498 χ^2/NDF: 24.6/18

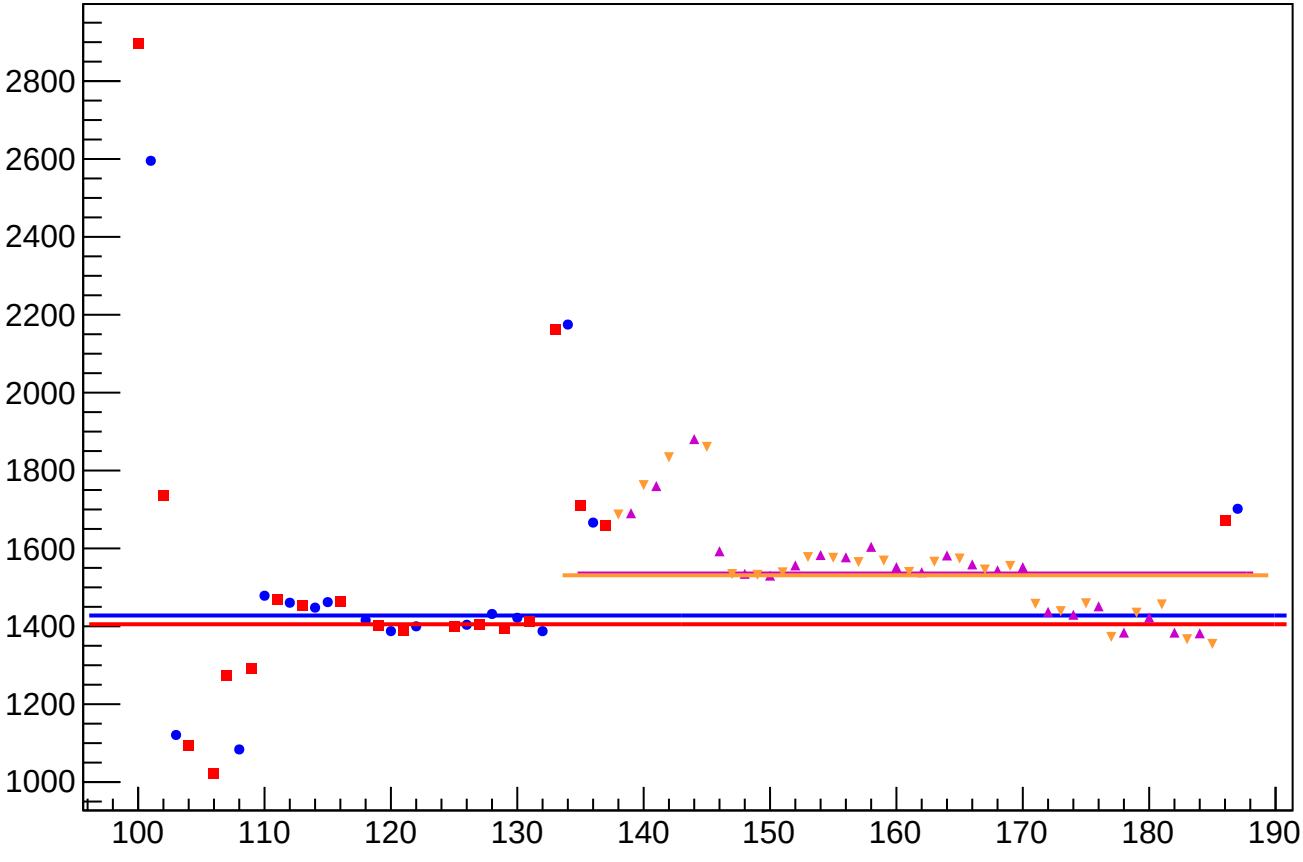
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 220.177+/-296.595 χ^2/NDF: 49.5/40

All: 141.251+/-209.384 χ^2/NDF: 91.0/82

- sign 62.834+/-295.636 χ^2/NDF: 41.4/41

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.5/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

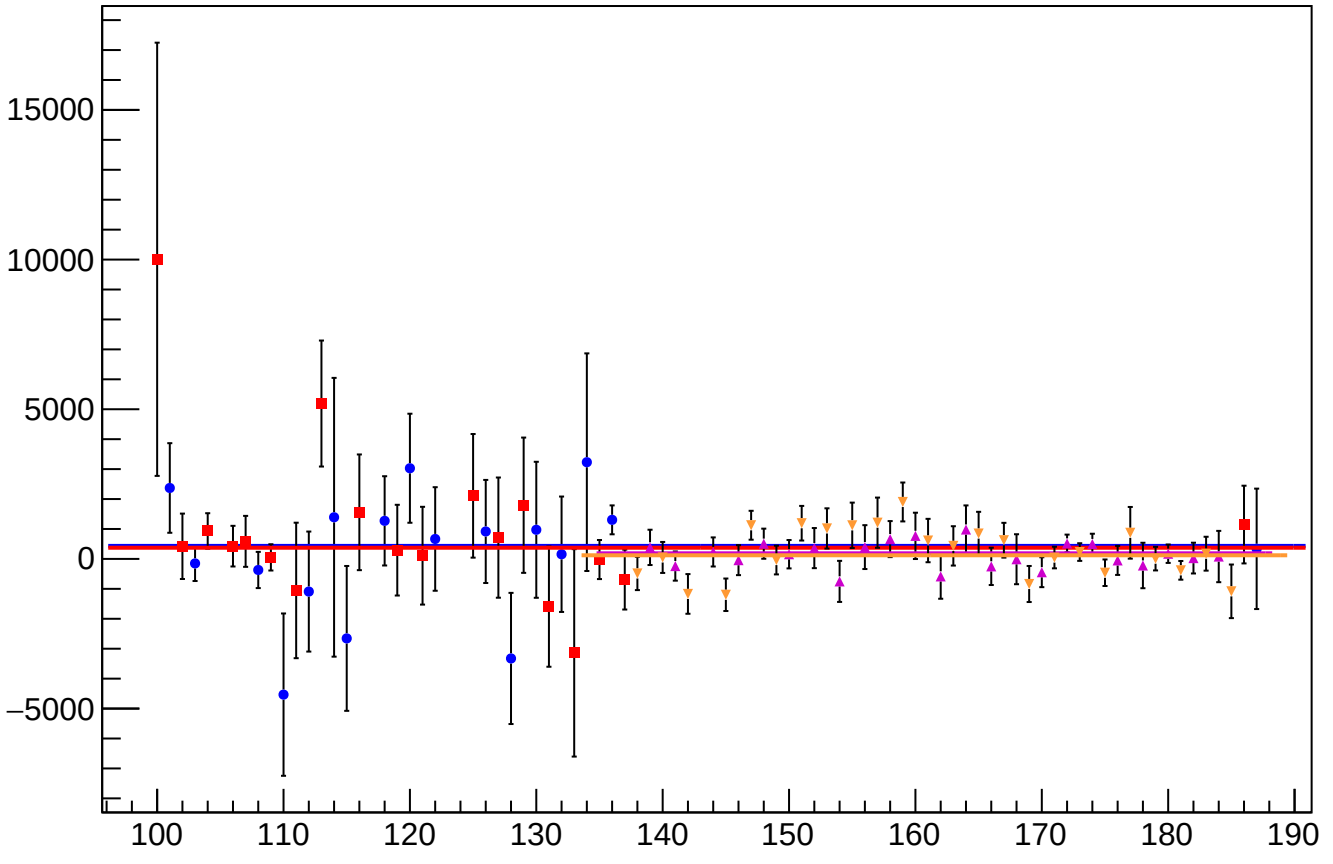
Right Out: 1405.250+/-0.367 χ^2/NDF: 415505.1/18

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1499.242+/-0.210 χ^2/NDF: 825379.2/40

All: 1496.288+/-0.148 χ^2/NDF: 1518788.0/82

- sign 1493.352+/-0.209 χ^2/NDF: 693013.2/41



Right In: 434.664+/-273.358 χ^2/NDF: 19.3/16

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

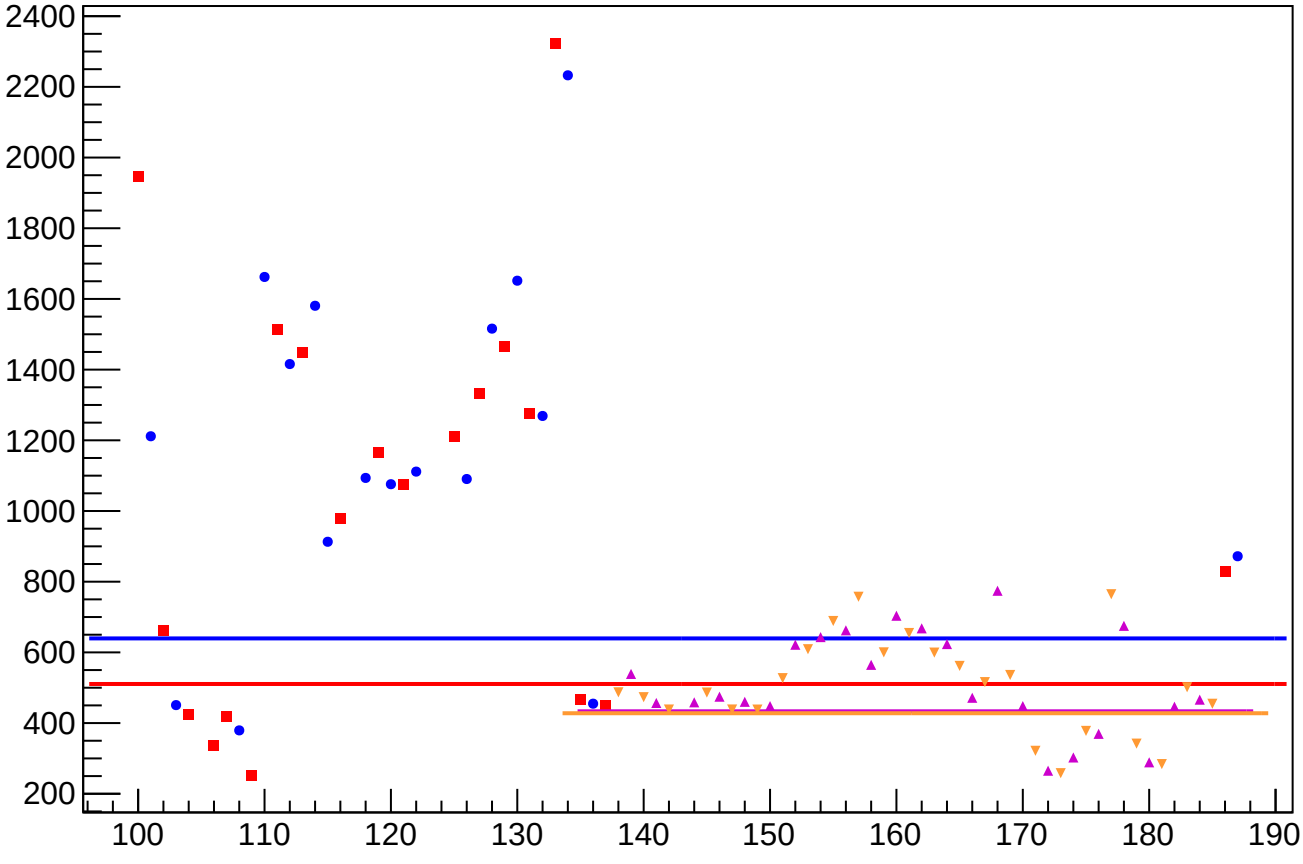
Right Out: 373.654+/-230.046 χ^2/NDF: 14.3/18

Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 161.654+/-98.066 χ^2/NDF: 64.1/40

All: 191.168+/-68.963 χ^2/NDF: 90.7/82

- sign 220.044+/-97.001 χ^2/NDF: 26.4/41



Right In: 639.508+/-0.193 χ^2/NDF: 3779796.5/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 510.591+/-0.163 χ^2/NDF: 4434225.6/18

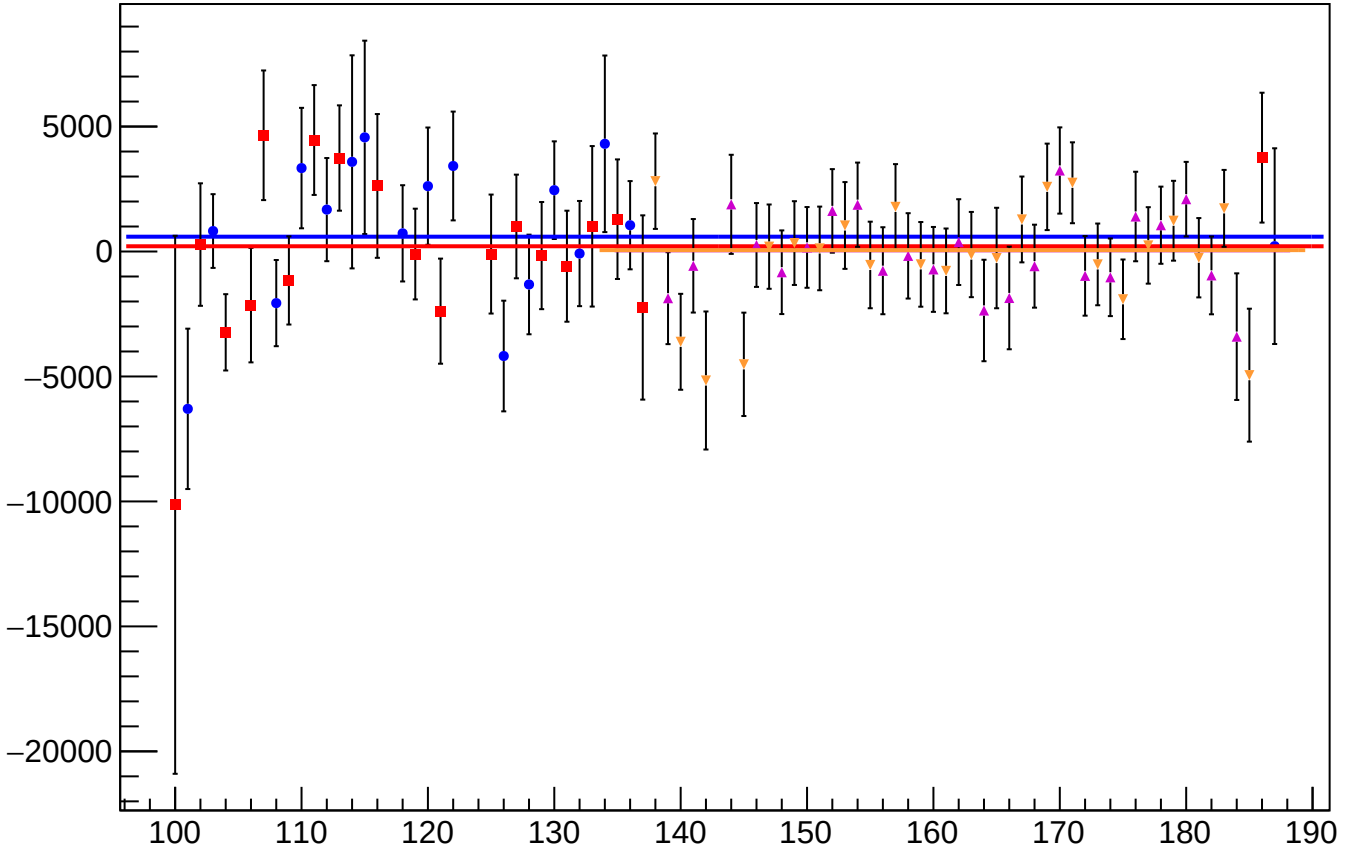
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 455.059+/-0.069 χ^2/NDF: 8013040.7/40

All: 451.000+/-0.049 χ^2/NDF: 15887753.4/82

- sign 447.028+/-0.069 χ^2/NDF: 7867932.8/41

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 592.820+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 209.510+/-521.962 χ^2/NDF: 22.3/18

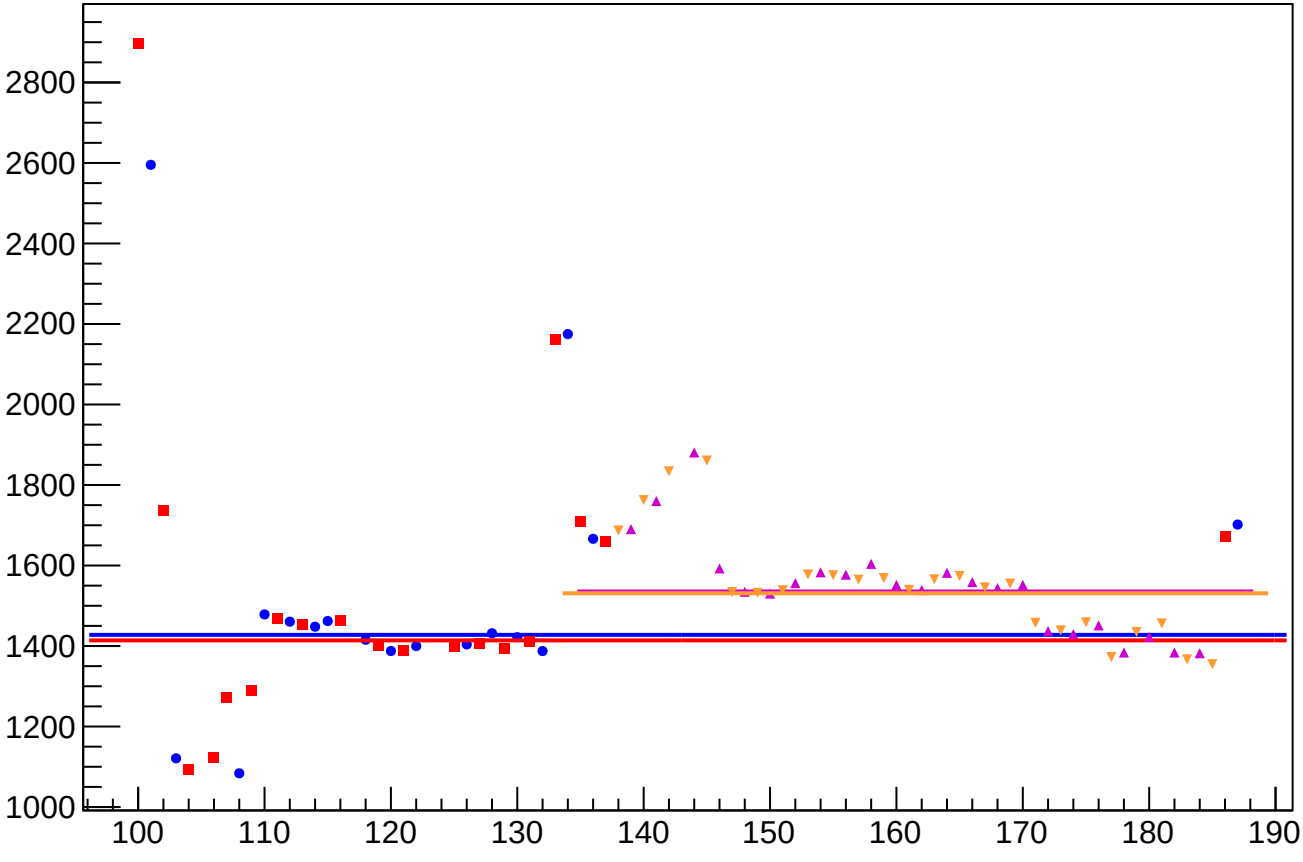
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 220.116+/-296.595 χ^2/NDF: 49.5/40

All: 160.028+/-209.545 χ^2/NDF: 88.7/82

- sign 100.145+/-296.088 χ^2/NDF: 39.1/41

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.7/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

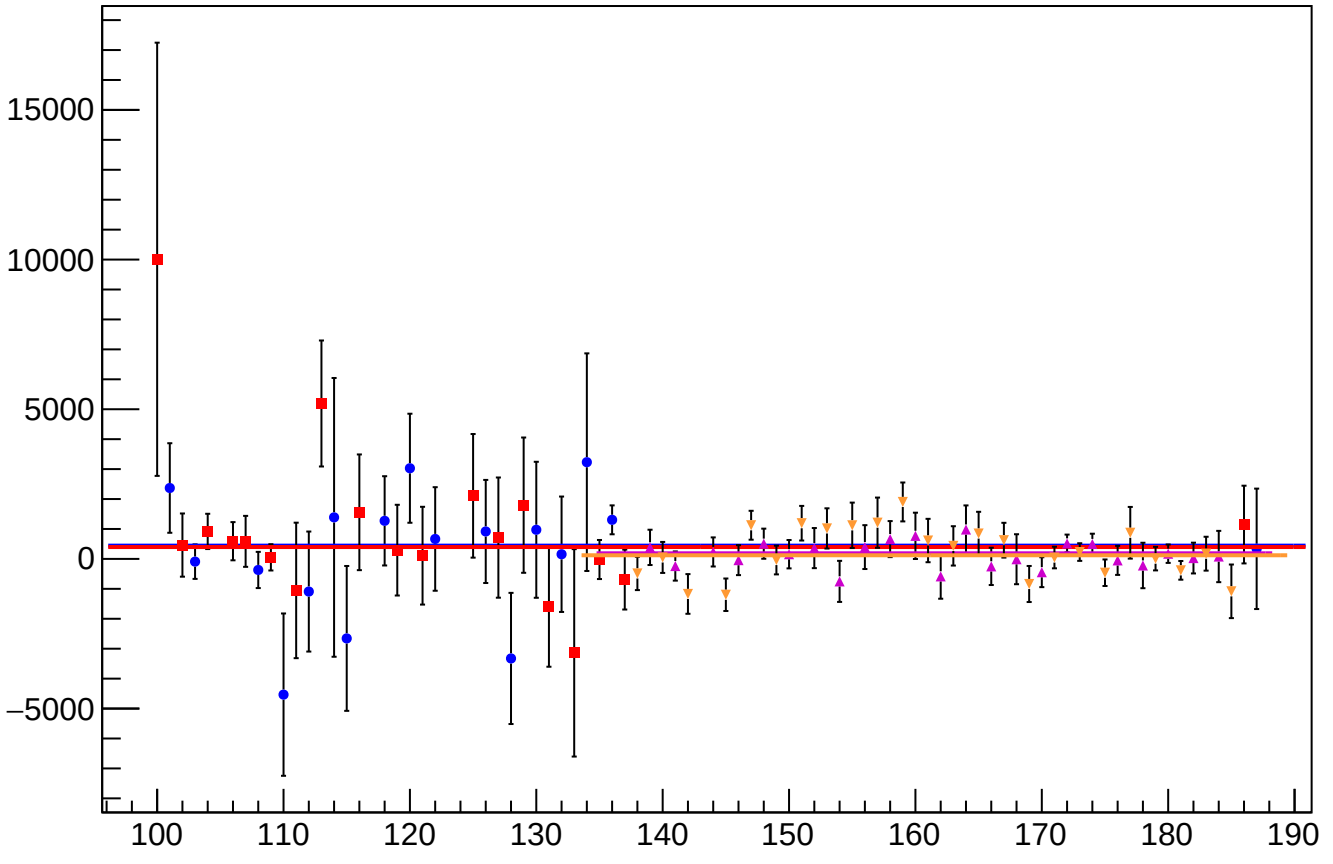
Right Out: 1414.039+/-0.369 χ^2/NDF: 379541.4/18

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1499.242+/-0.210 χ^2/NDF: 825379.5/40

All: 1497.844+/-0.148 χ^2/NDF: 1470955.1/82

- sign 1496.450+/-0.209 χ^2/NDF: 645486.9/41



Right In: 443.134+/-272.210 χ^2/NDF: 19.2/16

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

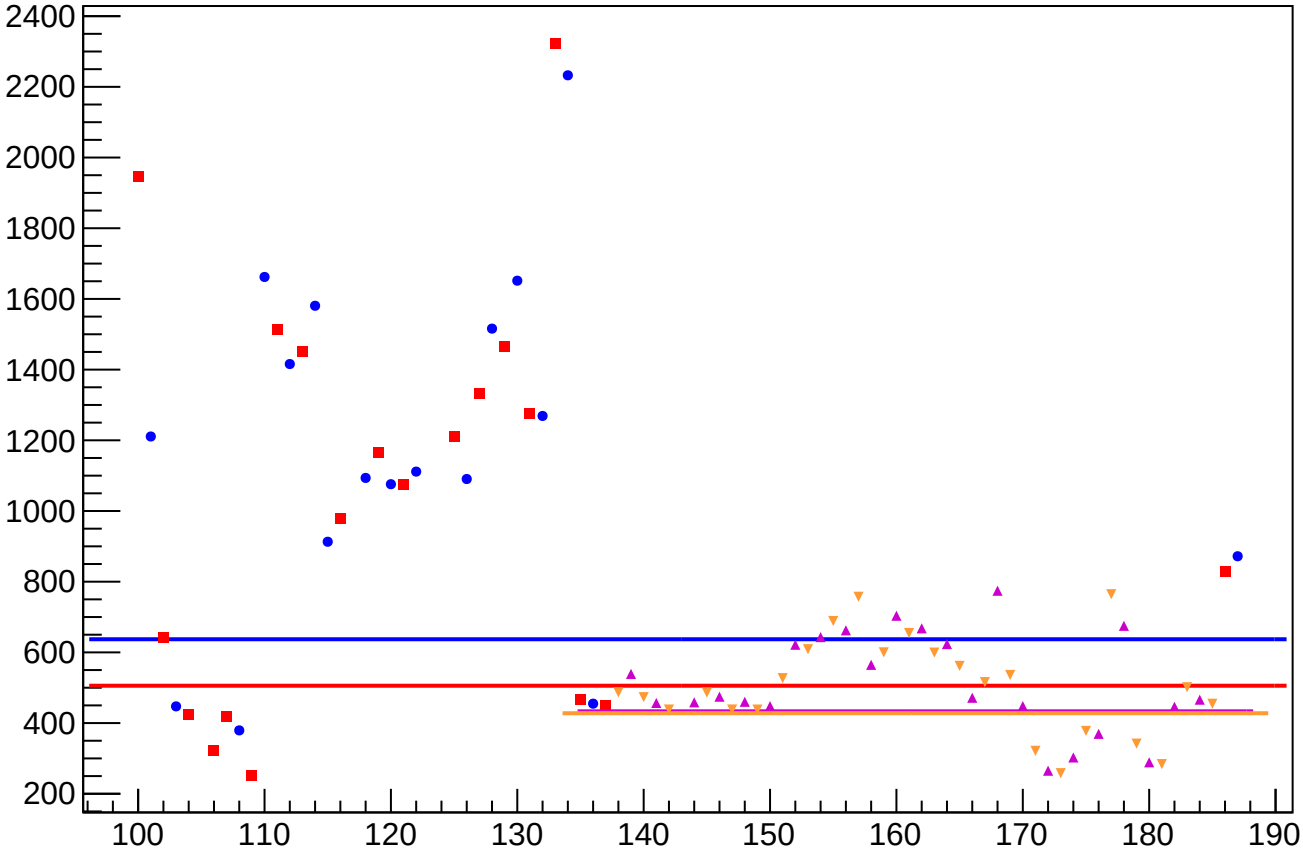
Right Out: 396.390+/-227.765 χ^2/NDF: 14.3/18

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

\+ sign 163.047+/-98.013 χ^2/NDF: 64.1/40

All: 194.336+/-68.883 χ^2/NDF: 90.9/82

\- sign 224.872+/-96.827 χ^2/NDF: 26.6/41



Right In: 637.133+/-0.192 χ^2/NDF: 3795496.8/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

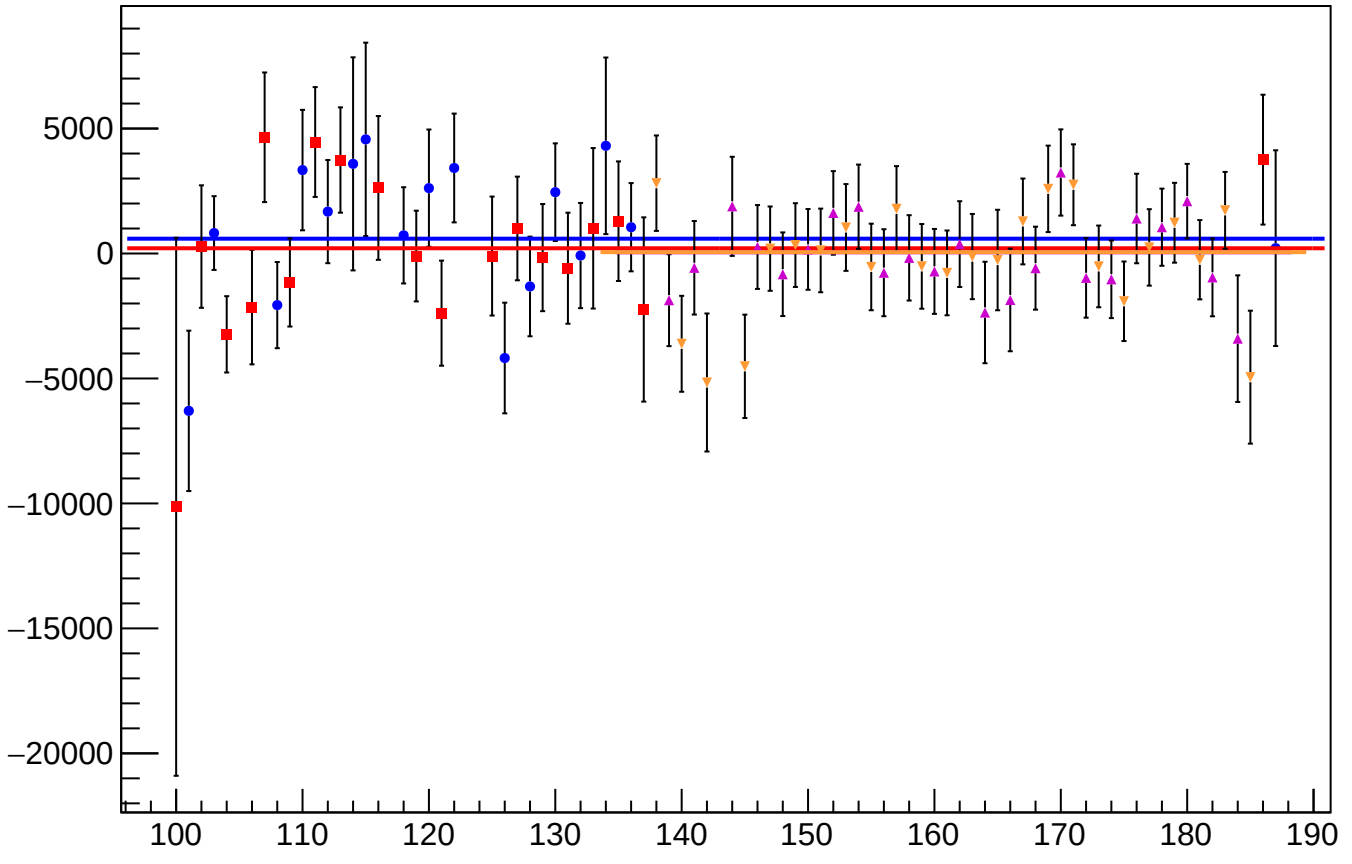
Right Out: 505.685+/-0.161 χ^2/NDF: 4466407.1/18

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 454.952+/-0.069 χ^2/NDF: 8013170.2/40

All: 450.608+/-0.049 χ^2/NDF: 15900771.7/82

- sign 446.370+/-0.068 χ^2/NDF: 7879841.4/41



Right In: 592.820+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 209.510+/-521.962 χ^2/NDF: 22.3/18

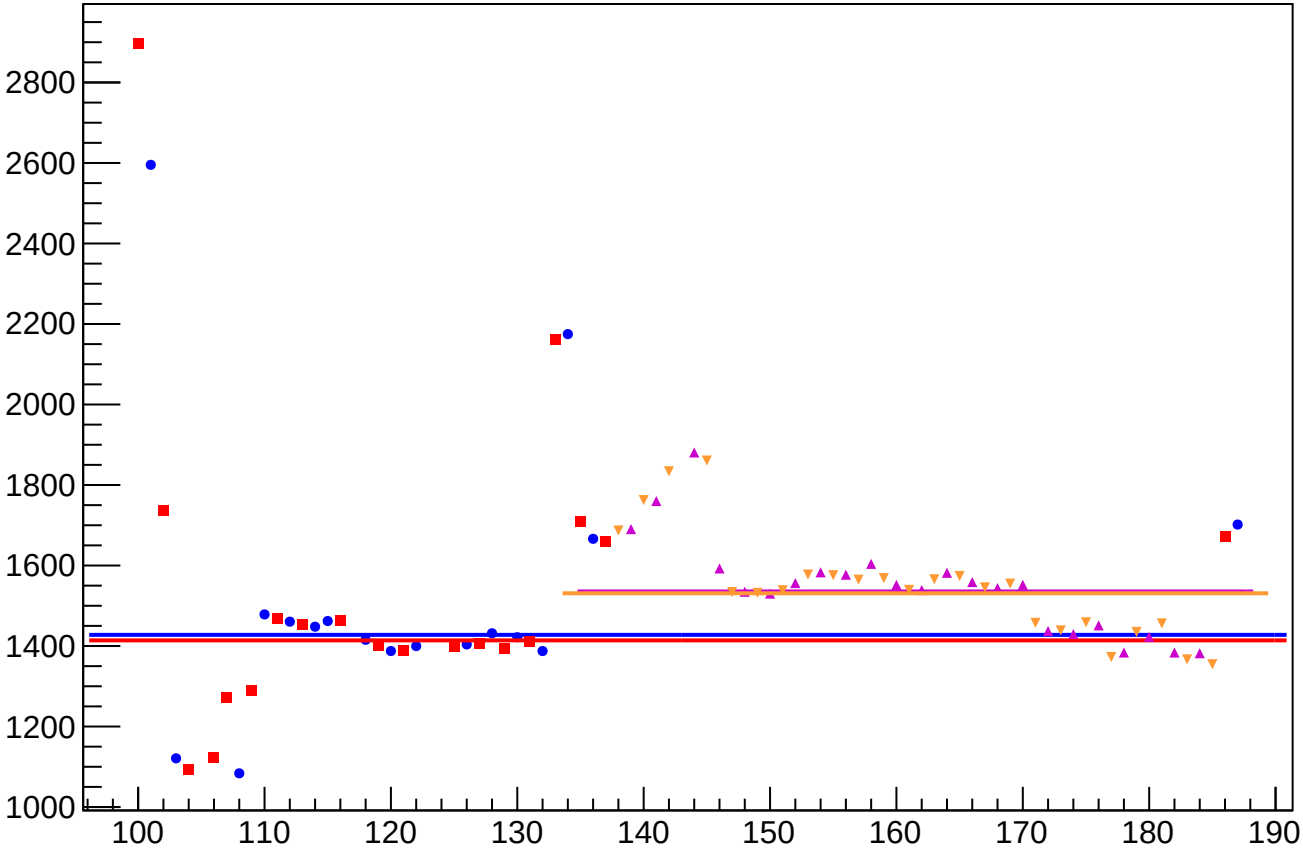
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 220.116+/-296.595 χ^2/NDF: 49.5/40

All: 160.028+/-209.545 χ^2/NDF: 88.7/82

- sign 100.145+/-296.088 χ^2/NDF: 39.1/41

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.7/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

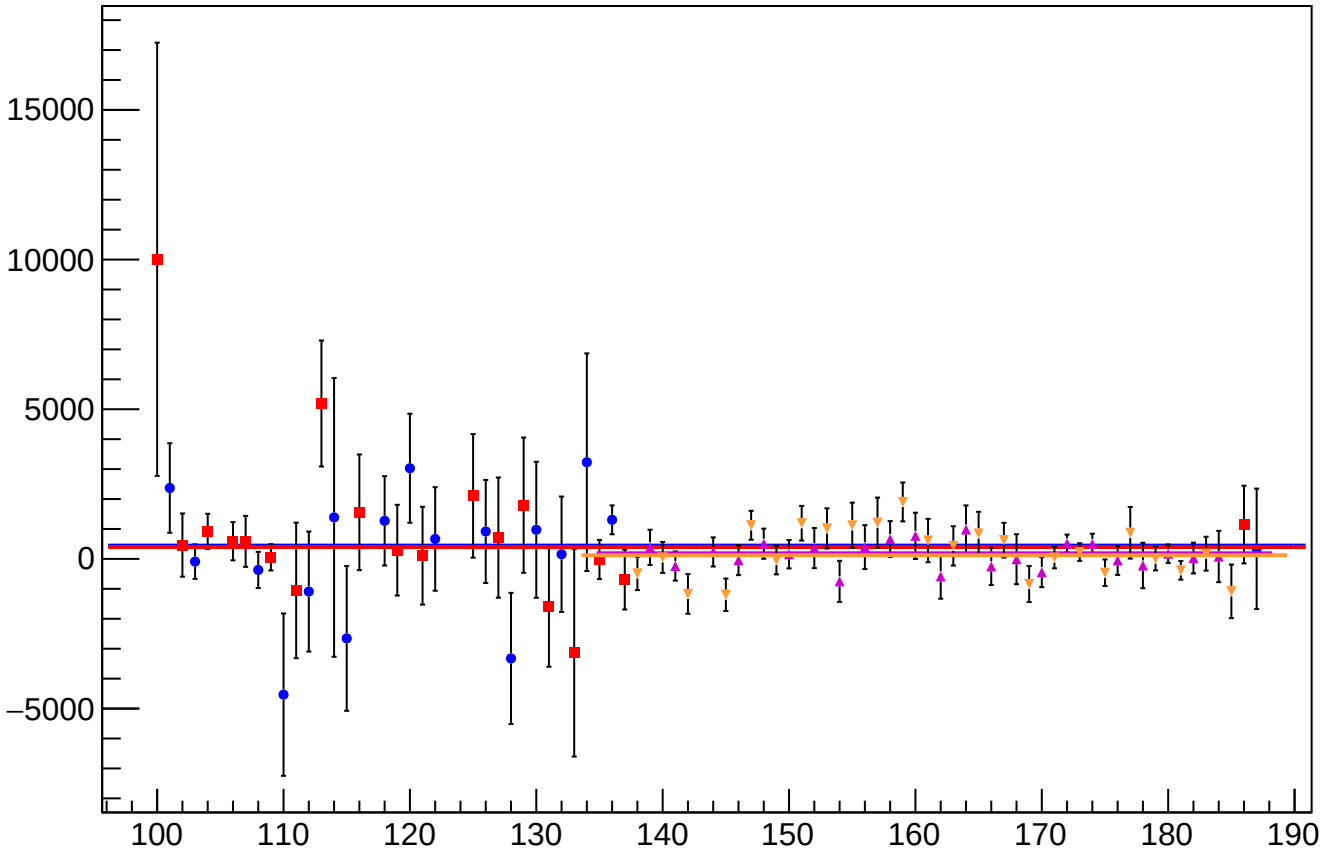
Right Out: 1414.039+/-0.369 χ^2/NDF: 379541.4/18

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1499.242+/-0.210 χ^2/NDF: 825379.5/40

All: 1497.844+/-0.148 χ^2/NDF: 1470955.1/82

- sign 1496.450+/-0.209 χ^2/NDF: 645486.9/41



Right In: 443.134+/-272.210 χ^2/NDF: 19.2/16

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

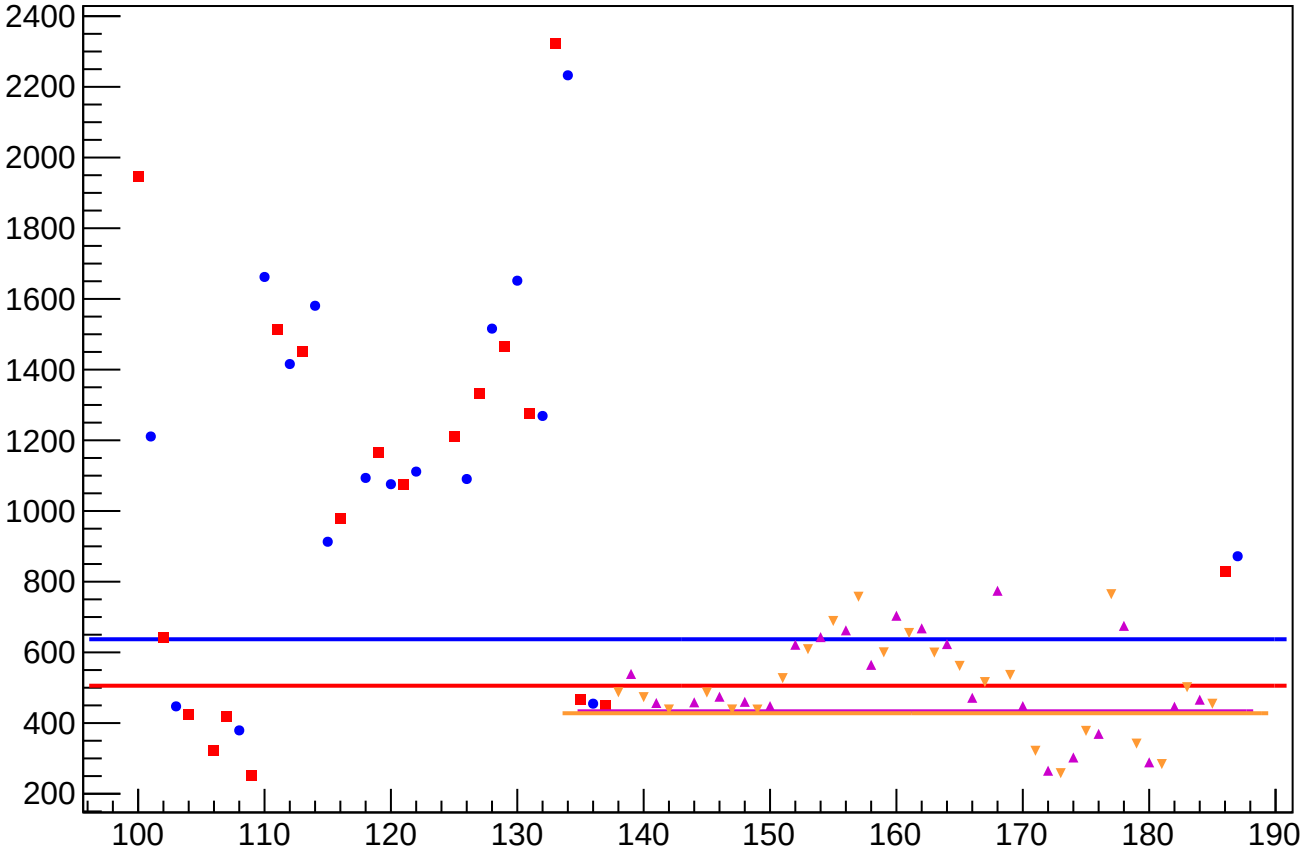
Right Out: 396.390+/-227.765 χ^2/NDF: 14.3/18

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 163.047+/-98.013 χ^2/NDF: 64.1/40

All: 194.336+/-68.883 χ^2/NDF: 90.9/82

- sign 224.872+/-96.827 χ^2/NDF: 26.6/41



Right In: 637.133+/-0.192 χ^2/NDF: 3795496.8/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 505.685+/-0.161 χ^2/NDF: 4466407.1/18

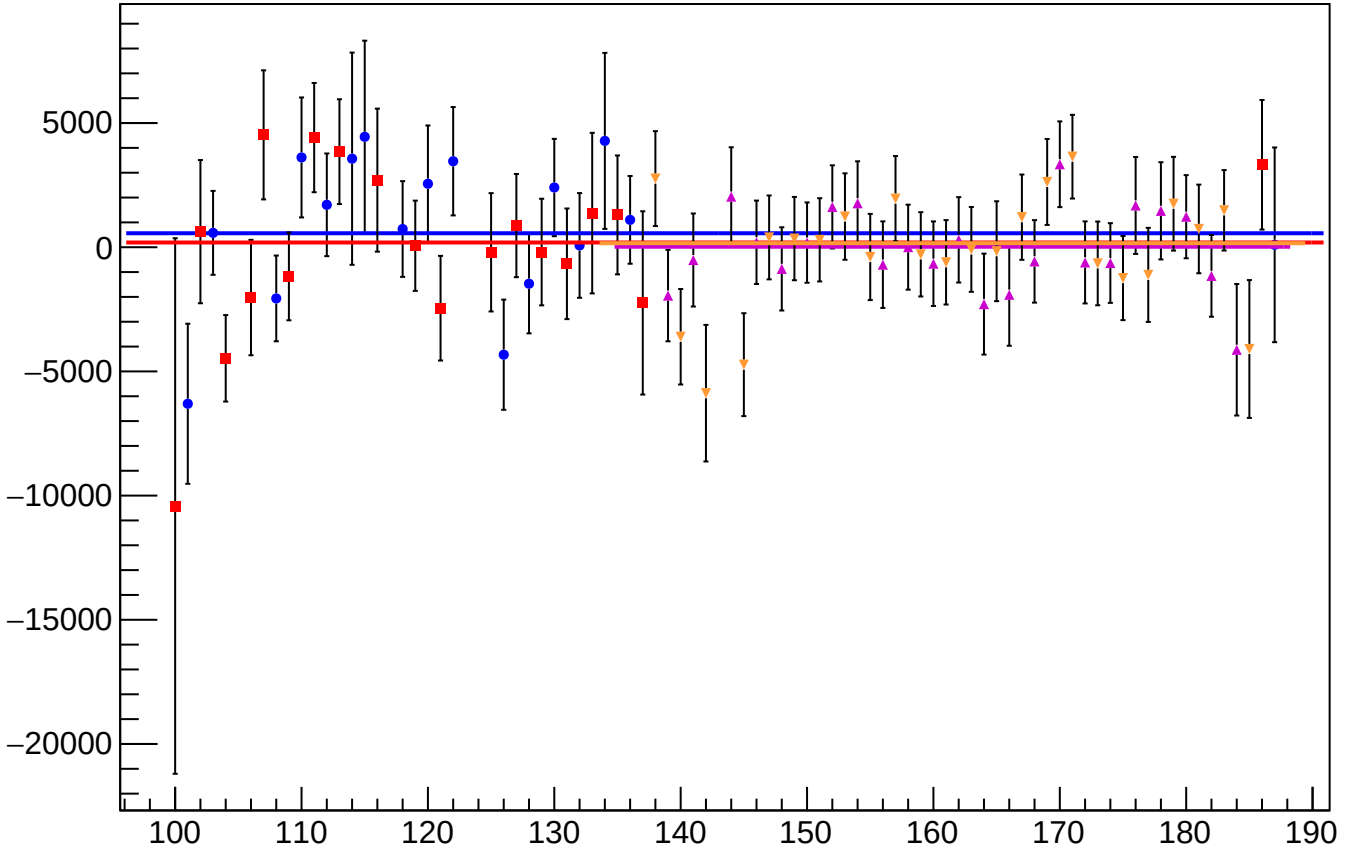
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 454.952+/-0.069 χ^2/NDF: 8013170.2/40

All: 450.608+/-0.049 χ^2/NDF: 15900771.7/82

- sign 446.370+/-0.068 χ^2/NDF: 7879841.4/41

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 563.120+/-544.312 χ^2/NDF: 20.8/16

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

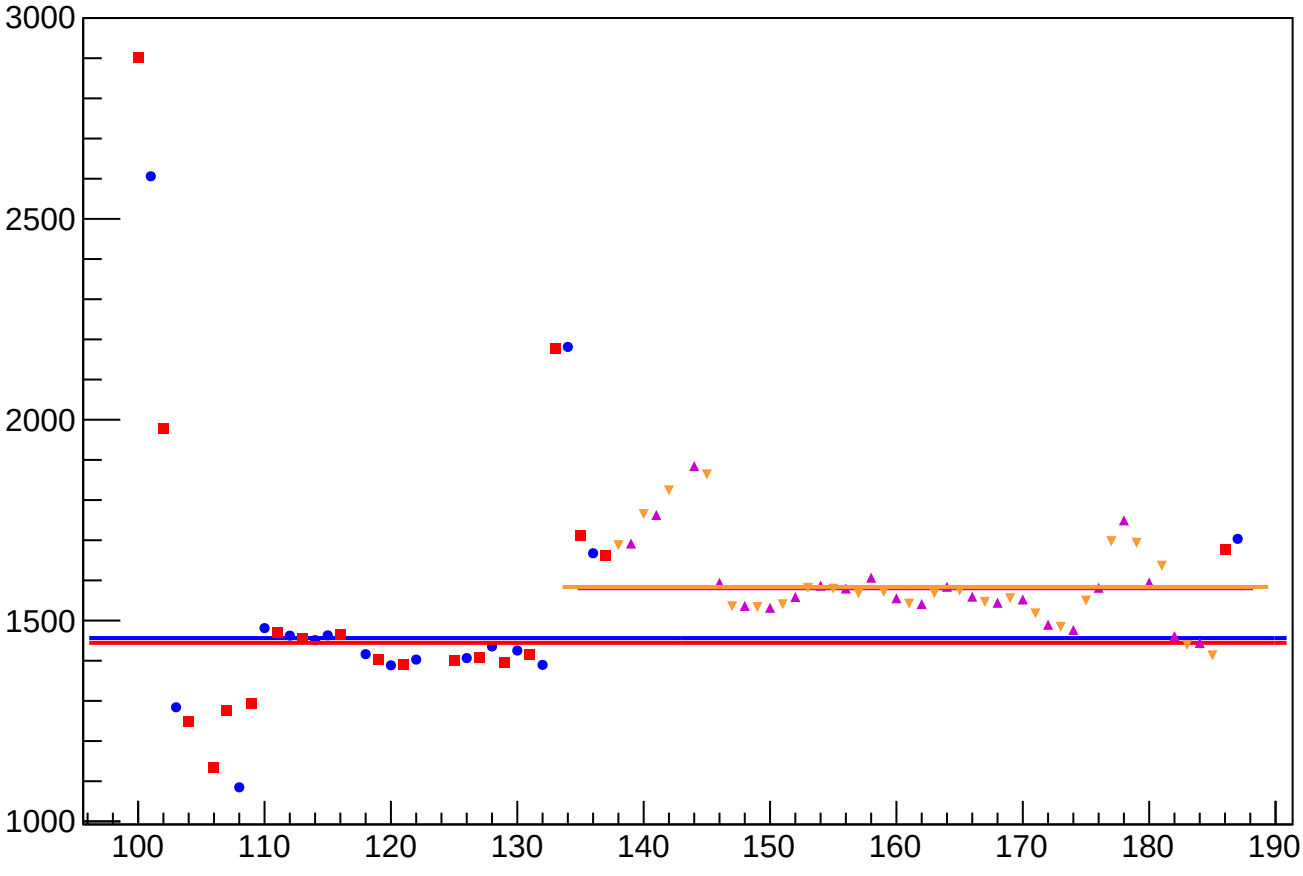
Right Out: 190.542+/-533.810 χ^2/NDF: 24.0/18

Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 287.722+/-305.071 χ^2/NDF: 51.1/40

All: 181.213+/-215.328 χ^2/NDF: 91.4/82

- sign 75.470+/-303.972 χ^2/NDF: 40.1/41



Right In: 1456.437+/-0.385 χ^2/NDF: 495936.7/16

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

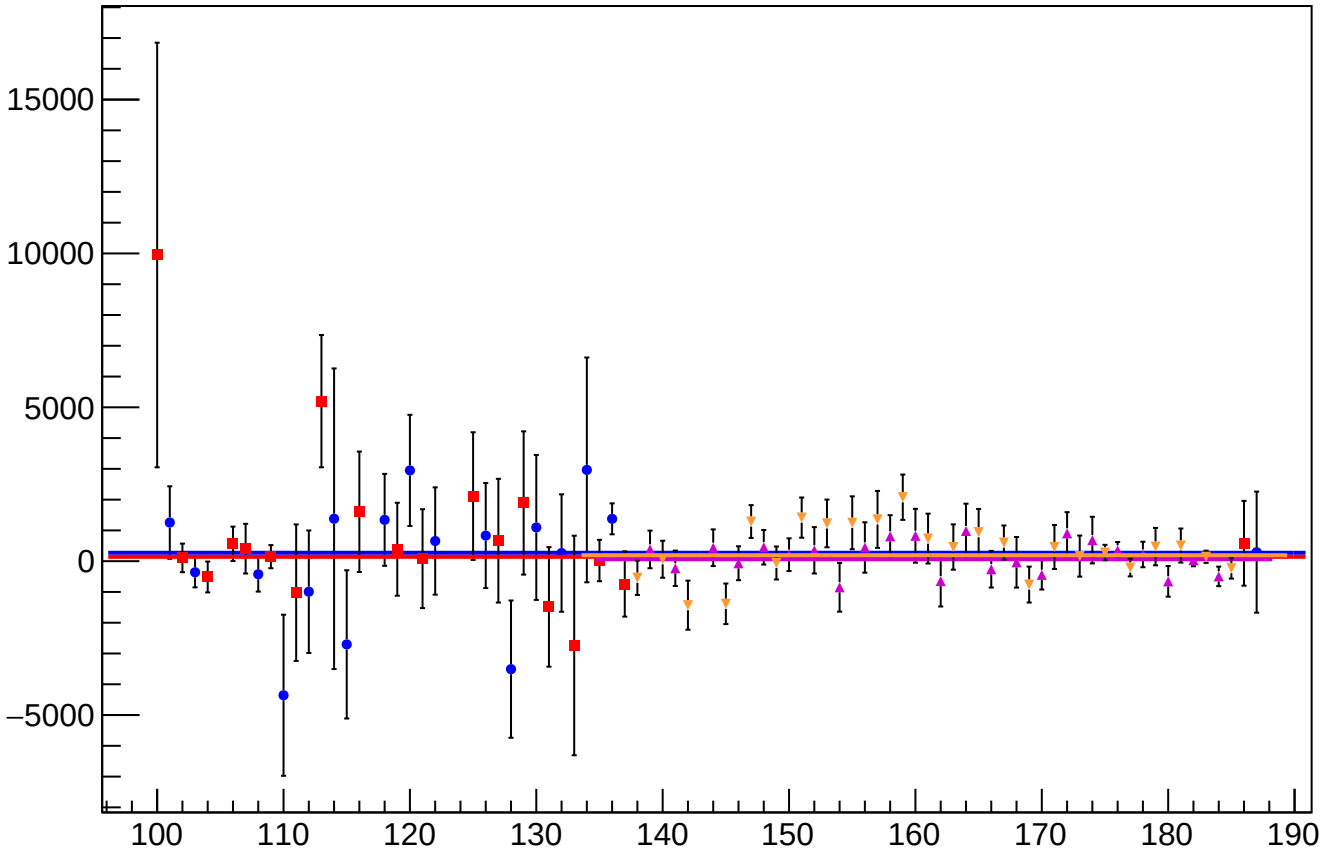
Right Out: 1444.525+/-0.377 χ^2/NDF: 345306.5/18

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1543.705+/-0.216 χ^2/NDF: 704474.9/40

All: 1540.031+/-0.152 χ^2/NDF: 1263750.3/82

- sign 1536.384+/-0.215 χ^2/NDF: 558697.5/41



Right In: 273.784+/-258.283 χ^2/NDF: 20.2/16

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

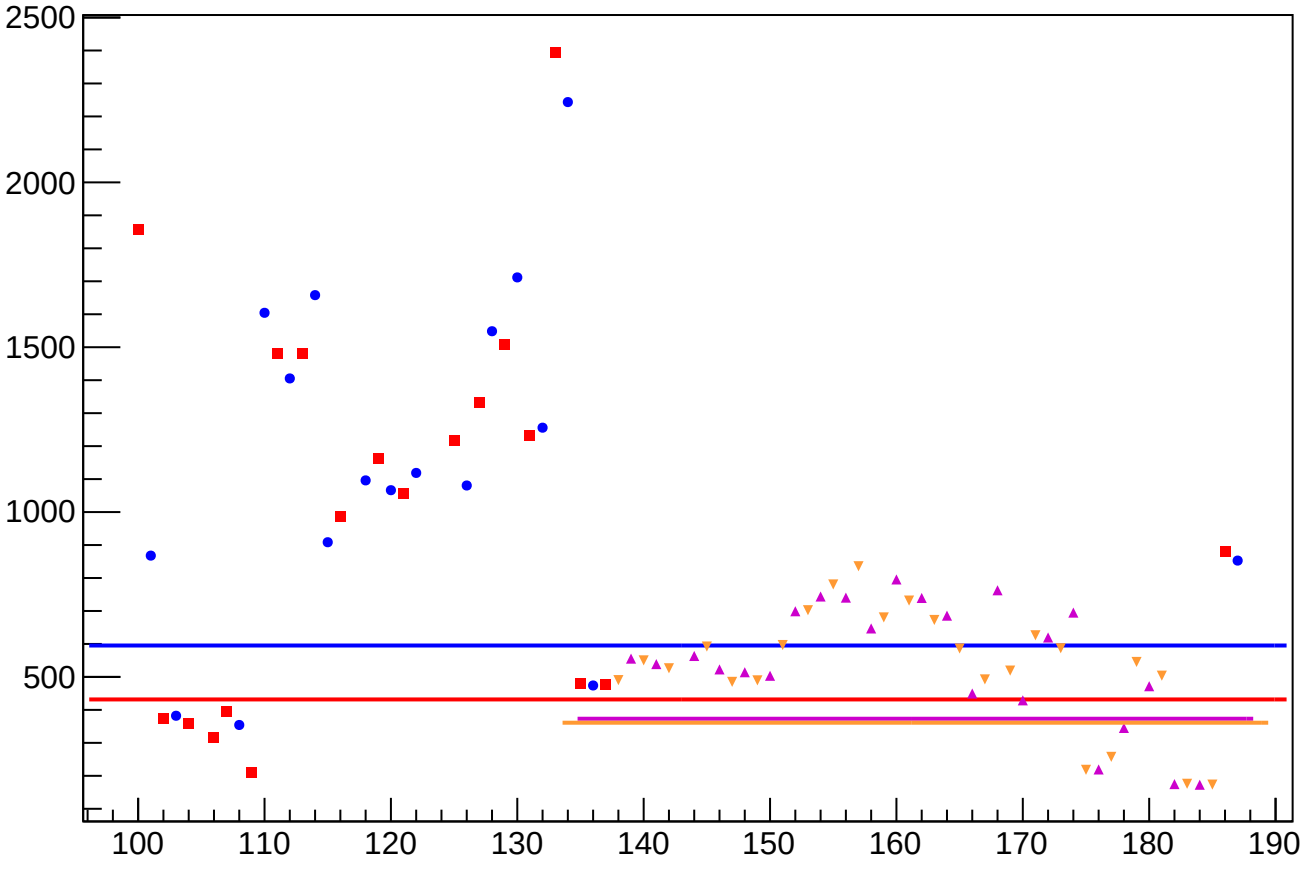
Right Out: 141.476+/-193.982 χ^2/NDF: 14.5/18

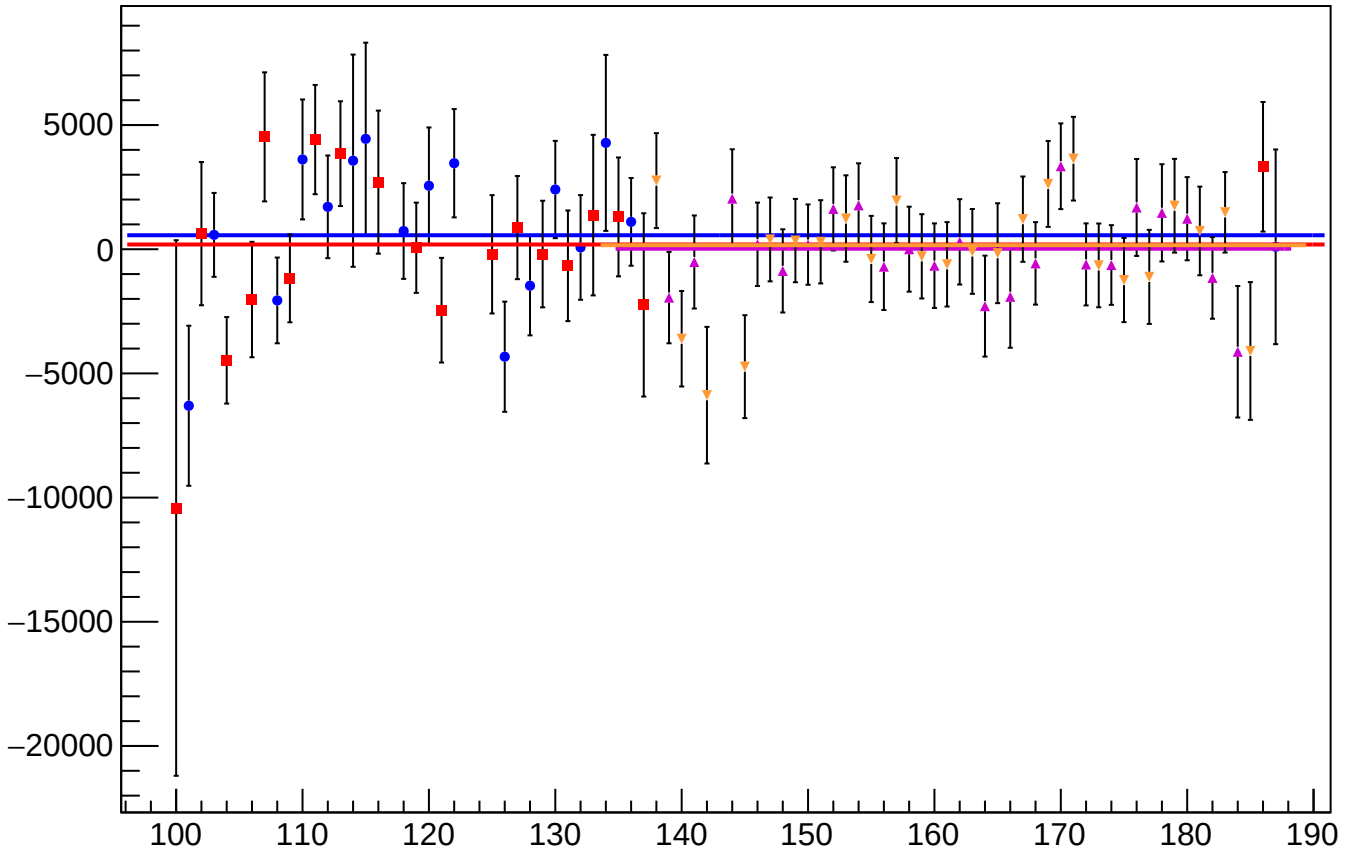
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 203.056+/-89.898 χ^2/NDF: 60.4/40

All: 140.063+/-63.134 χ^2/NDF: 93.0/82

- sign 78.756+/-88.686 χ^2/NDF: 31.7/41


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 595.264+/-0.183 χ²/NDF: 3920369.5/16
Left Out: 361.100+/-0.068 χ²/NDF:8183123.9/23
Right Out: 431.695+/-0.137 χ²/NDF: 5074075.4/18
Left In: 373.140+/-0.071 χ²/NDF:8207354.5/22
+ sign 389.467+/-0.064 χ²/NDF: 13548258.4/40
All: 387.396+/-0.045 χ²/NDF: 26975932.3/82
- sign 385.379+/-0.063 χ²/NDF: 13425577.7/41



Right In: 563.121+/-544.312 χ^2/NDF: 20.8/16

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 190.538+/-533.810 χ^2/NDF: 24.0/18

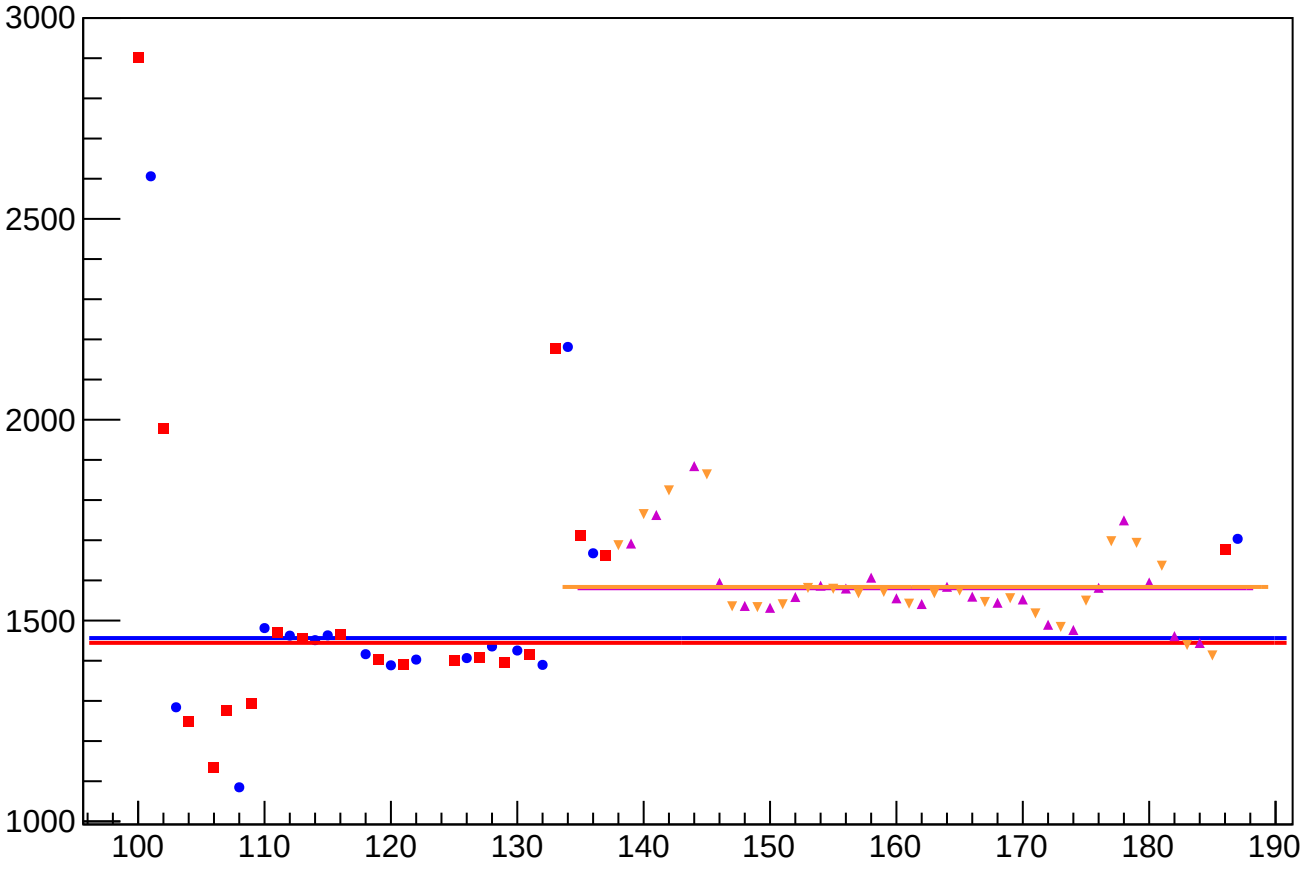
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 287.720+/-305.071 χ^2/NDF: 51.1/40

All: 181.211+/-215.328 χ^2/NDF: 91.4/82

- sign 75.468+/-303.972 χ^2/NDF: 40.1/41

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1456.437+/-0.385 χ^2/NDF: 495936.2/16

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

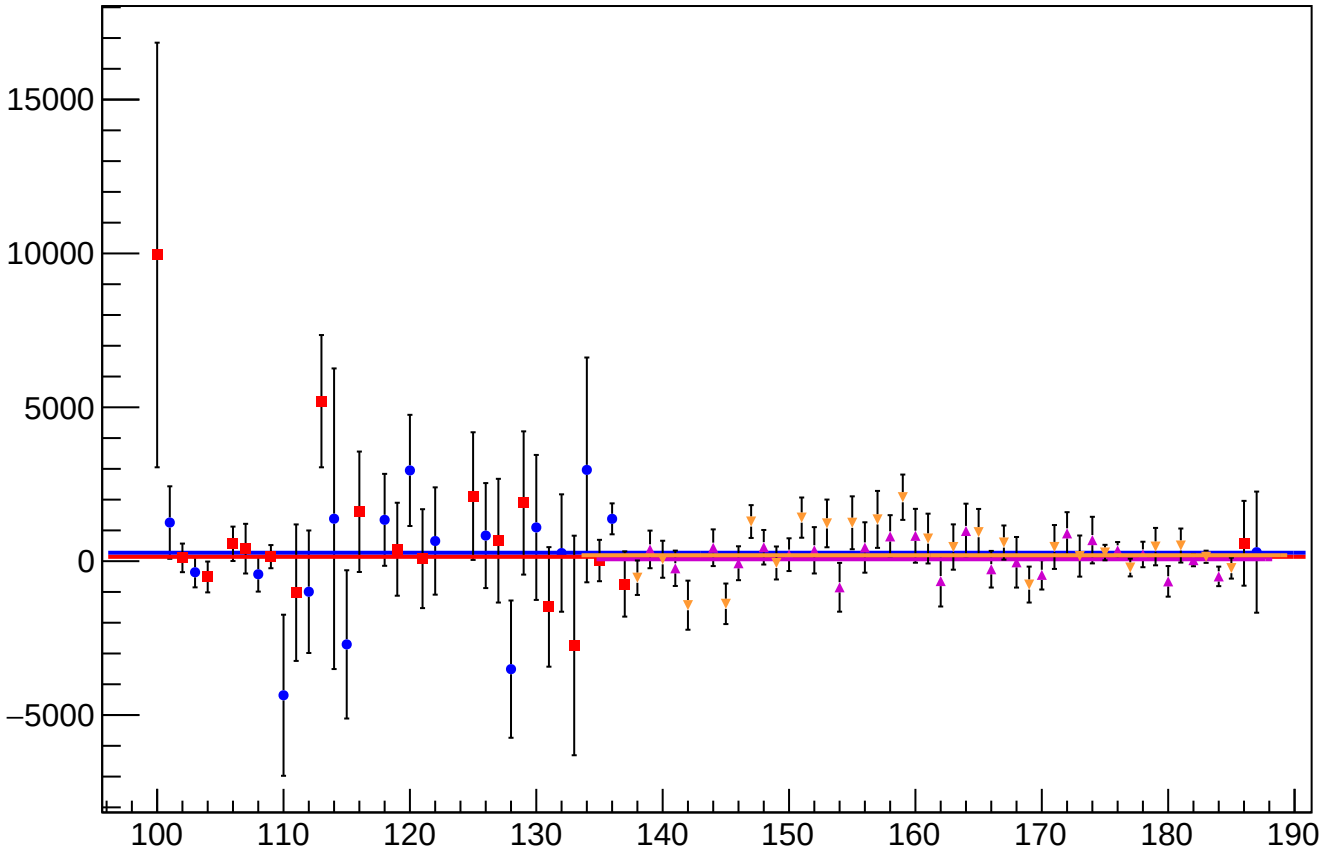
Right Out: 1444.525+/-0.377 χ^2/NDF: 345306.6/18

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1543.704+/-0.216 χ^2/NDF: 704474.4/40

All: 1540.031+/-0.152 χ^2/NDF: 1263749.6/82

- sign 1536.384+/-0.215 χ^2/NDF: 558697.3/41



Right In: 273.774+/-258.283 χ^2/NDF: 20.2/16

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

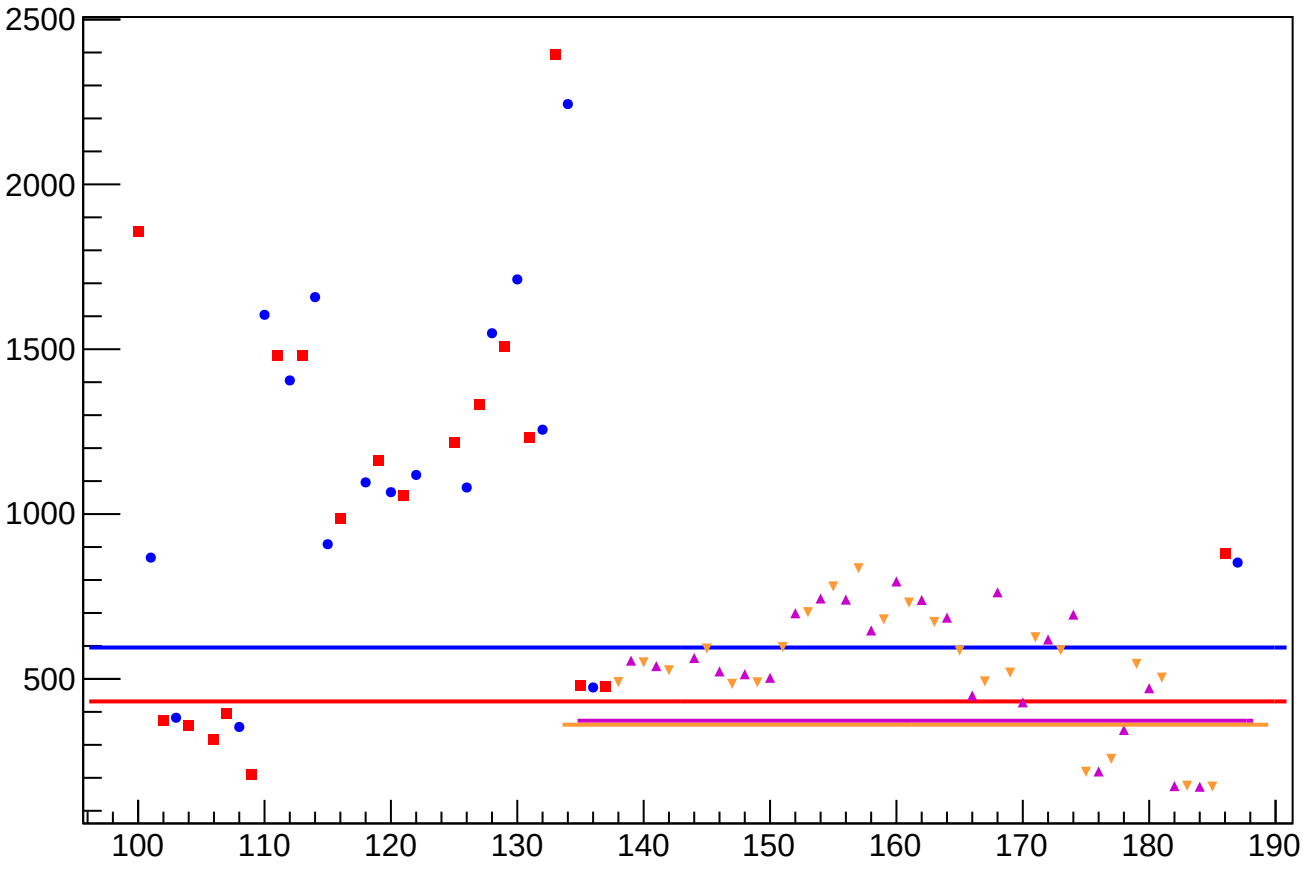
Right Out: 141.470+/-193.983 χ^2/NDF: 14.5/18

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 203.060+/-89.898 χ^2/NDF: 60.4/40

All: 140.063+/-63.135 χ^2/NDF: 93.0/82

- sign 78.754+/-88.686 χ^2/NDF: 31.7/41



Right In: 595.262+/-0.183 χ^2/NDF: 3920403.3/16

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 431.701+/-0.137 χ^2/NDF: 5073985.4/18

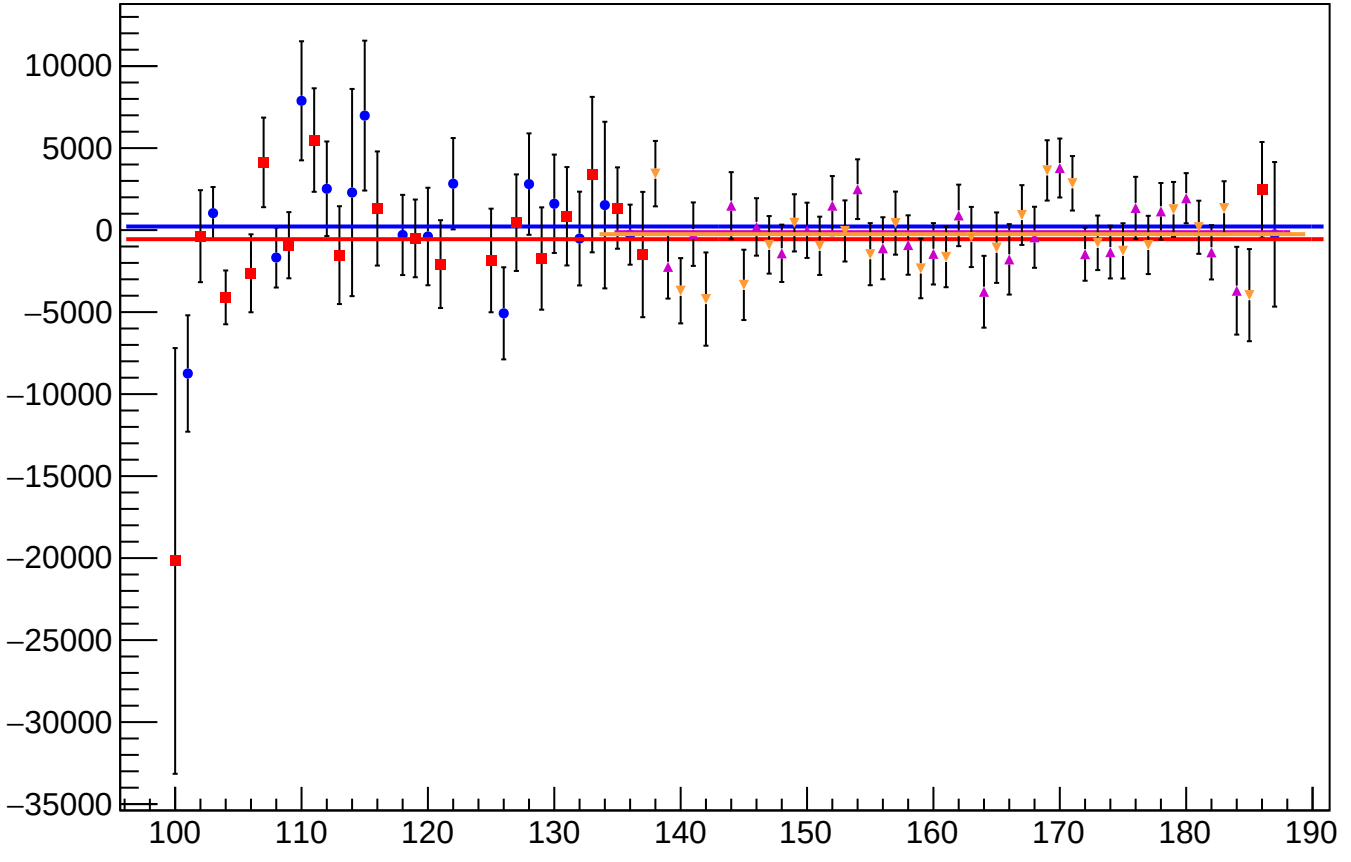
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 389.471+/-0.064 χ^2/NDF: 13548073.1/40

All: 387.400+/-0.045 χ^2/NDF: 26975413.2/82

- sign 385.384+/-0.063 χ^2/NDF: 13425245.5/41

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 219.848+/-658.760 χ^2/NDF: 20.7/16

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -553.551+/-632.870 χ^2/NDF: 18.1/18

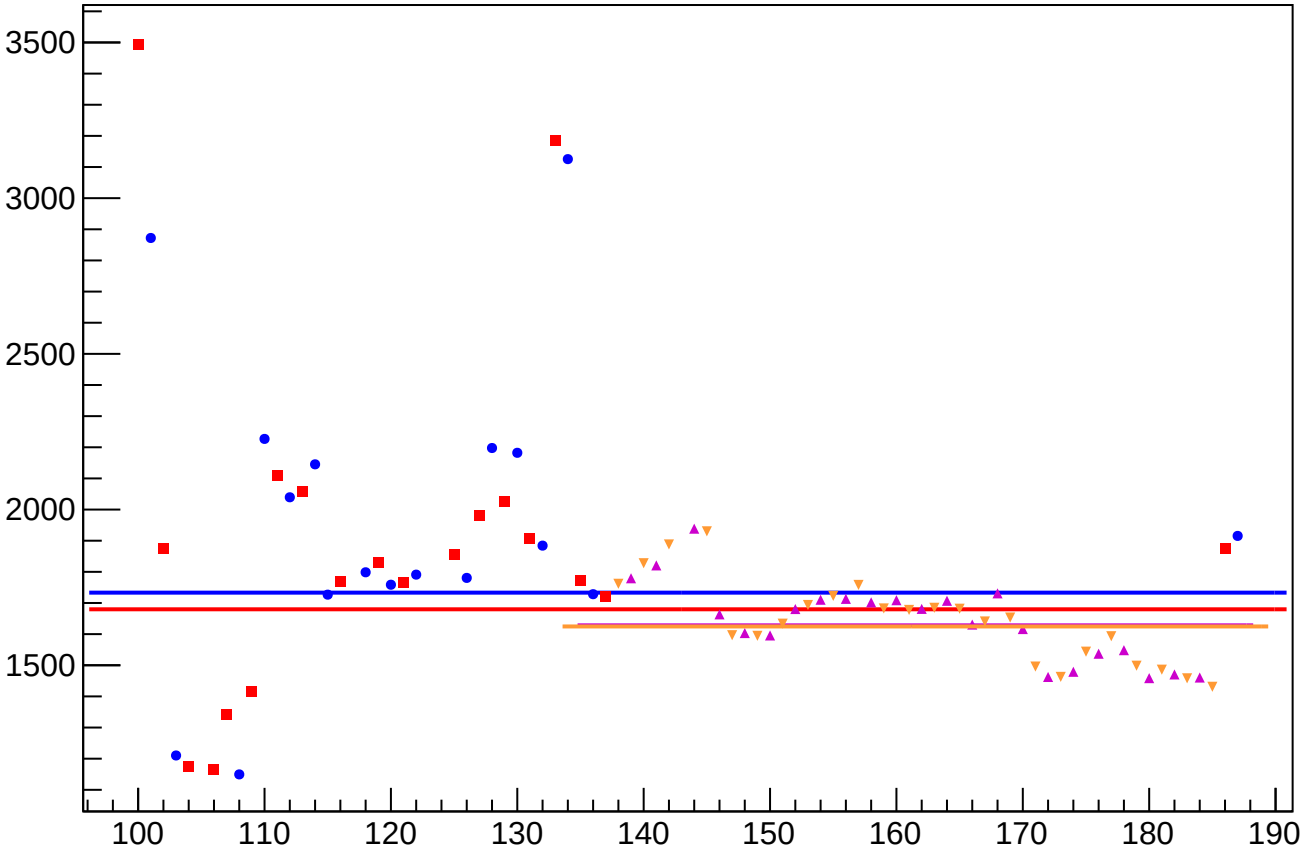
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -131.342+/-328.006 χ^2/NDF: 47.2/40

All: -185.880+/-231.438 χ^2/NDF: 86.9/82

- sign -239.953+/-326.605 χ^2/NDF: 39.7/41

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1733.211+/-0.466 χ^2/NDF: 945573.6/16

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

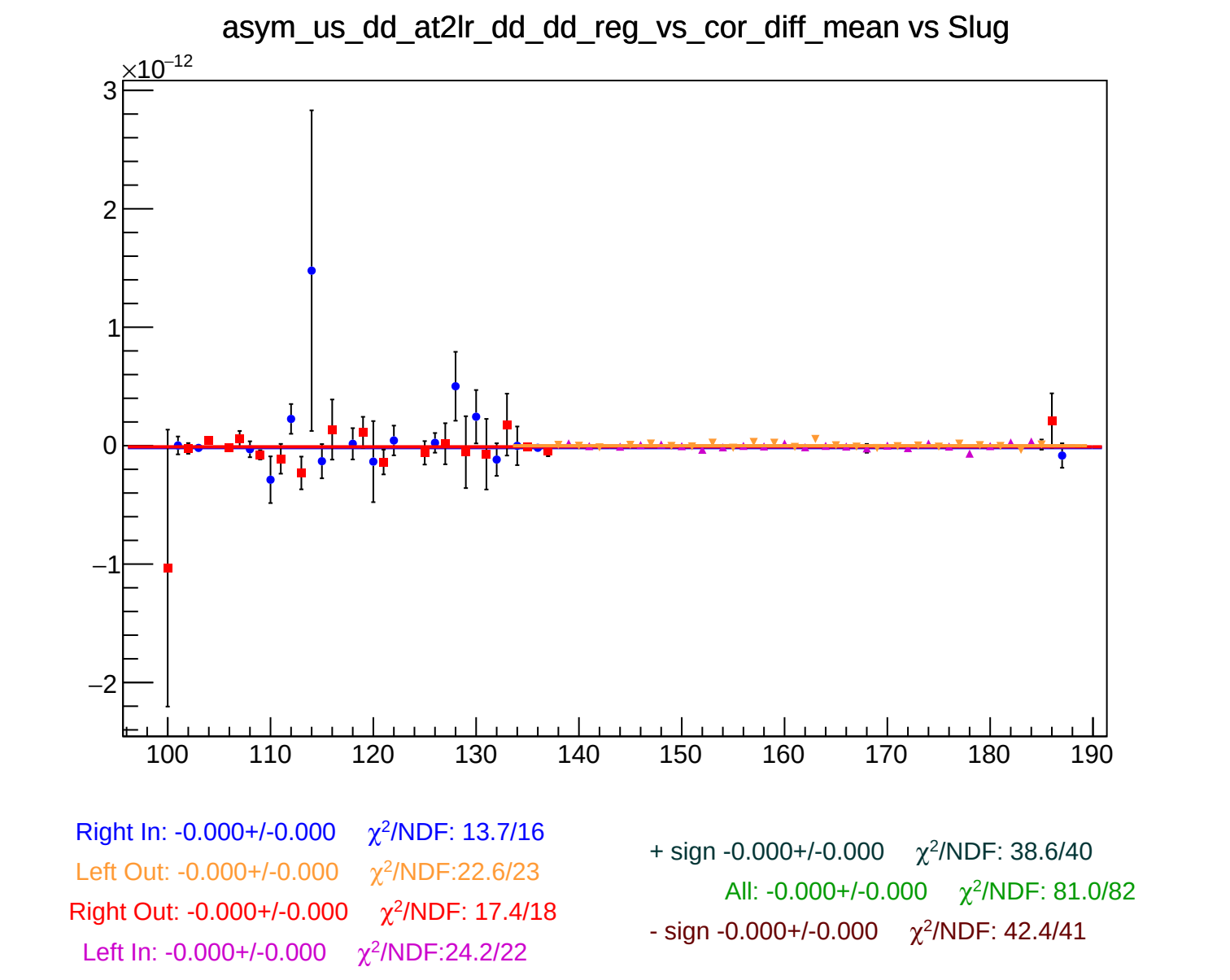
Right Out: 1679.725+/-0.448 χ^2/NDF: 753897.3/18

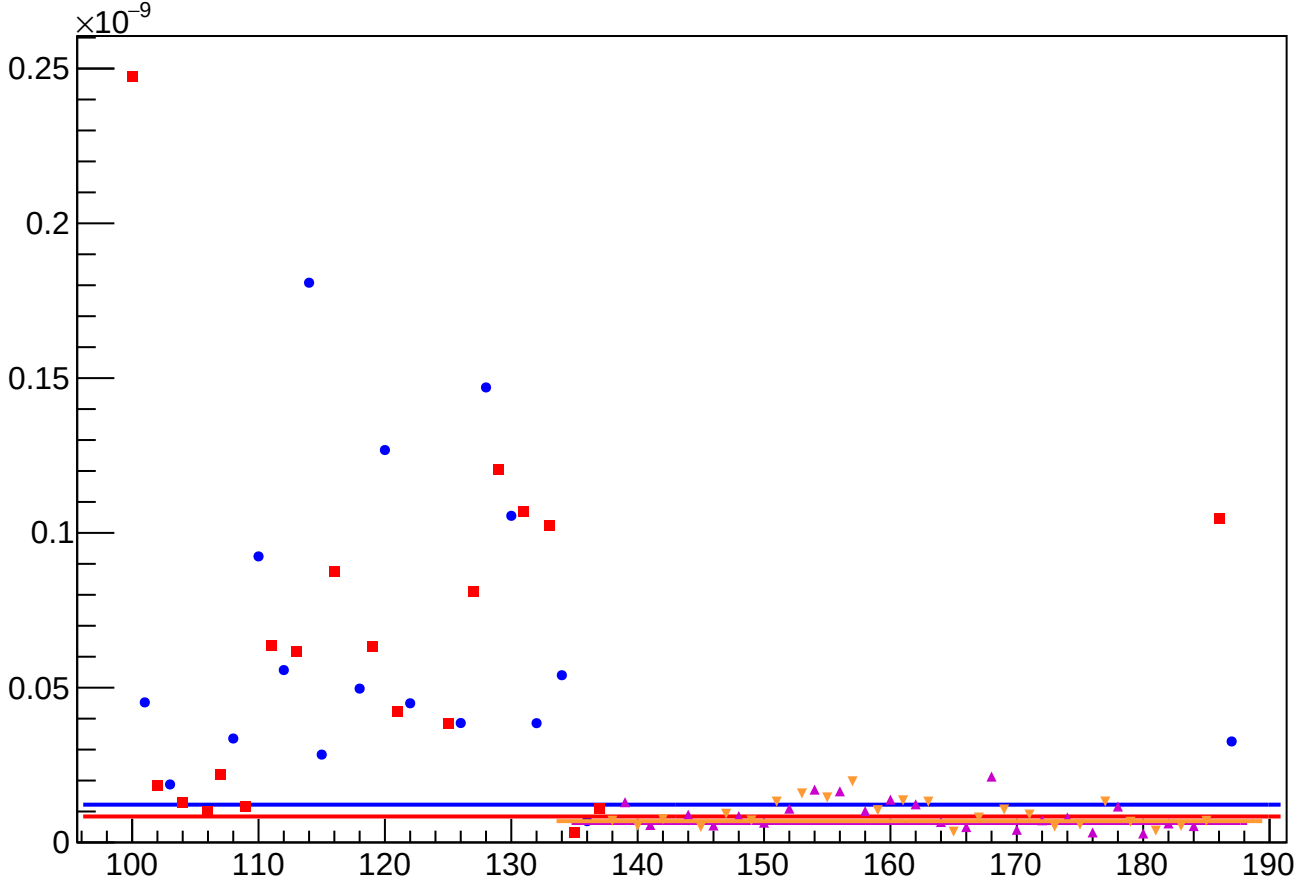
Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1651.538+/-0.232 χ^2/NDF: 1193707.8/40

All: 1646.717+/-0.164 χ^2/NDF: 2163064.0/82

- sign 1641.938+/-0.231 χ^2/NDF: 968496.0/41


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.7/16
Left Out: -0.000+/-0.000 χ²/NDF:22.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/18
Left In: -0.000+/-0.000 χ²/NDF:24.2/22
+ sign -0.000+/-0.000 χ²/NDF: 38.6/40
All: -0.000+/-0.000 χ²/NDF: 81.0/82
- sign -0.000+/-0.000 χ²/NDF: 42.4/41



Right In: 0.000+/-0.000 χ^2/NDF: 3504903.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

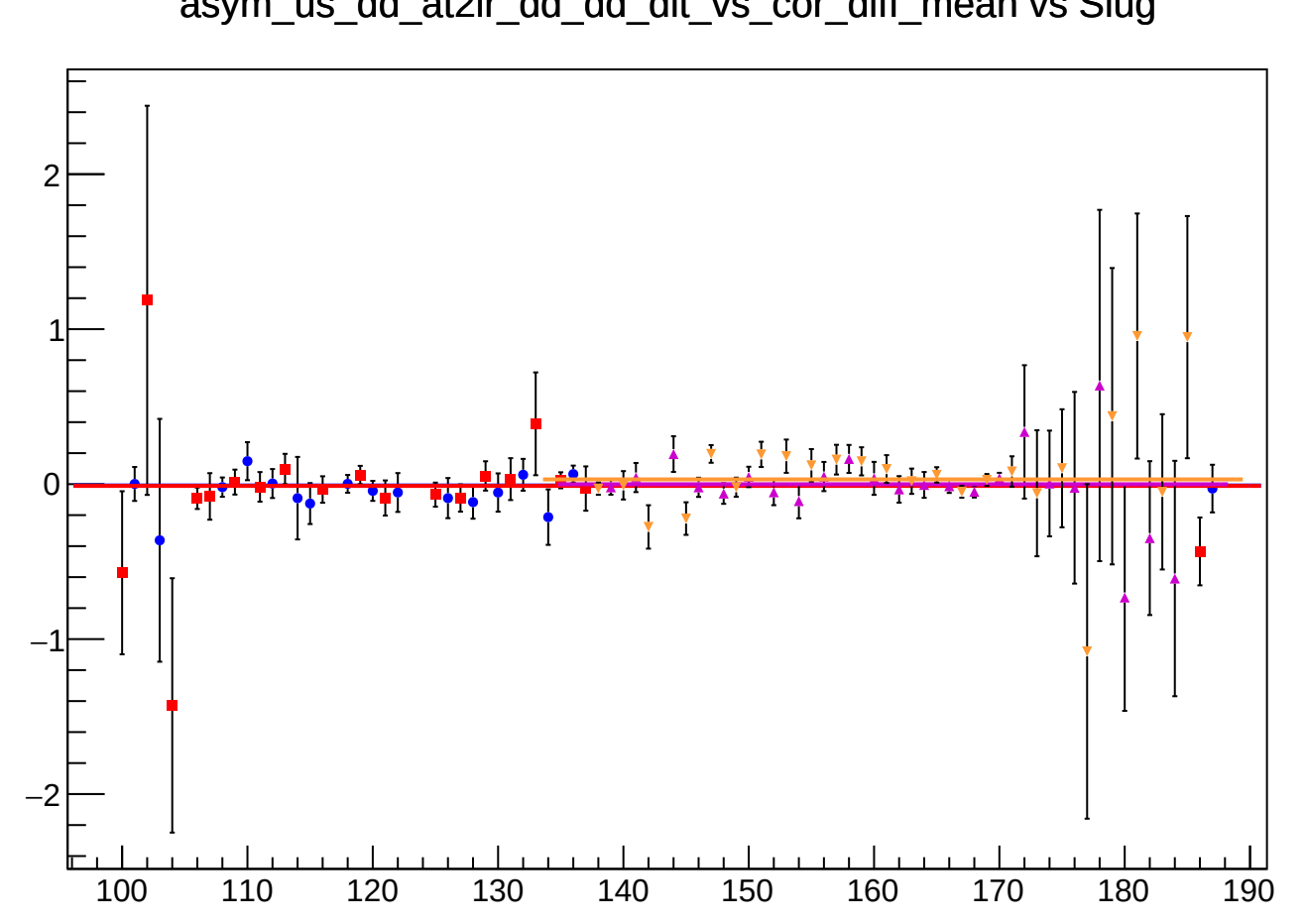
Right Out: 0.000+/-0.000 χ^2/NDF: 3862458.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 6263954.6/40

All: 0.000+/-0.000 χ^2/NDF: 13209982.6/82

- sign 0.000+/-0.000 χ^2/NDF: 6857623.9/41



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

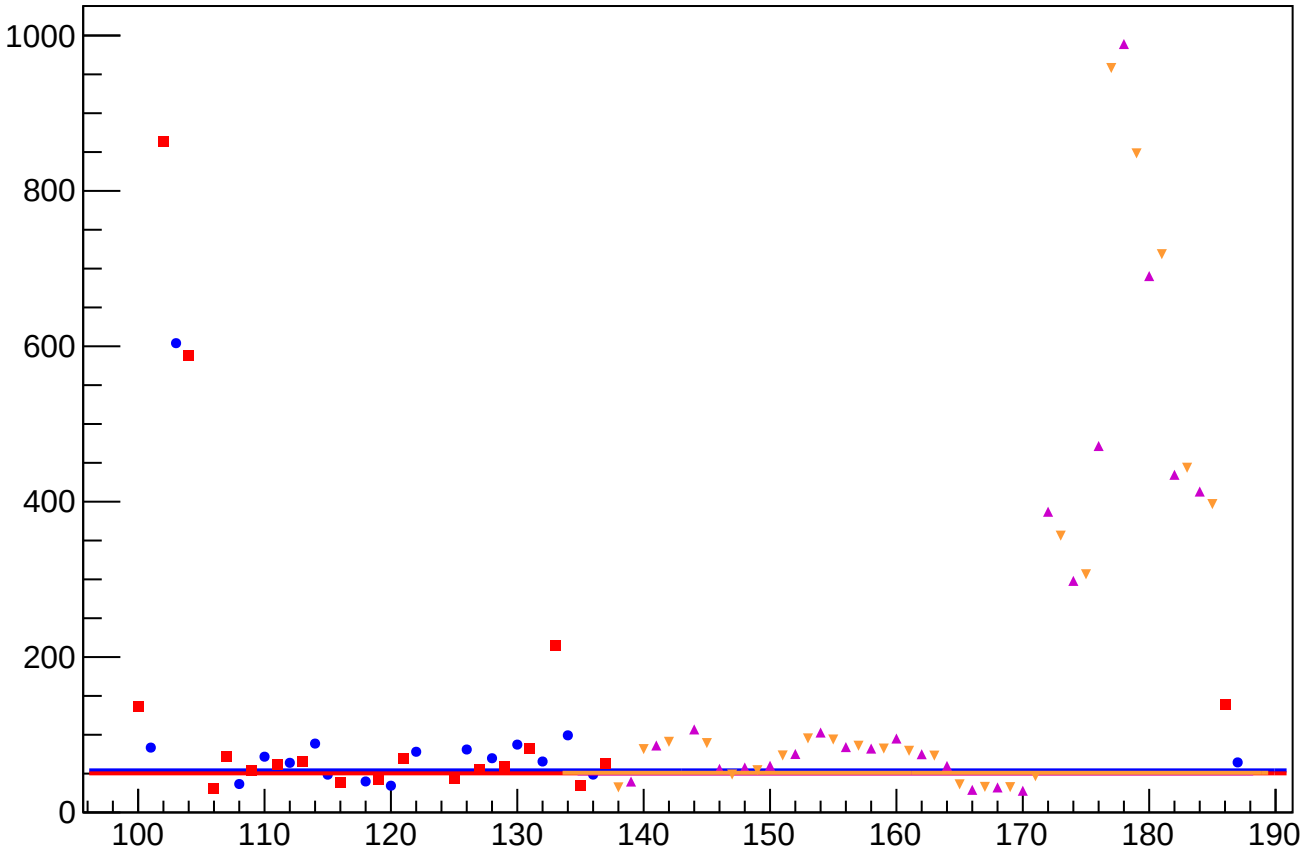
Right Out: -0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 51.9/40

All: 0.007+/-0.009 χ^2/NDF: 87.1/82

- sign -0.004+/-0.013 χ^2/NDF: 33.6/41



Right In: 54.158+/-0.016 χ^2/NDF: 2223468.6/16

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

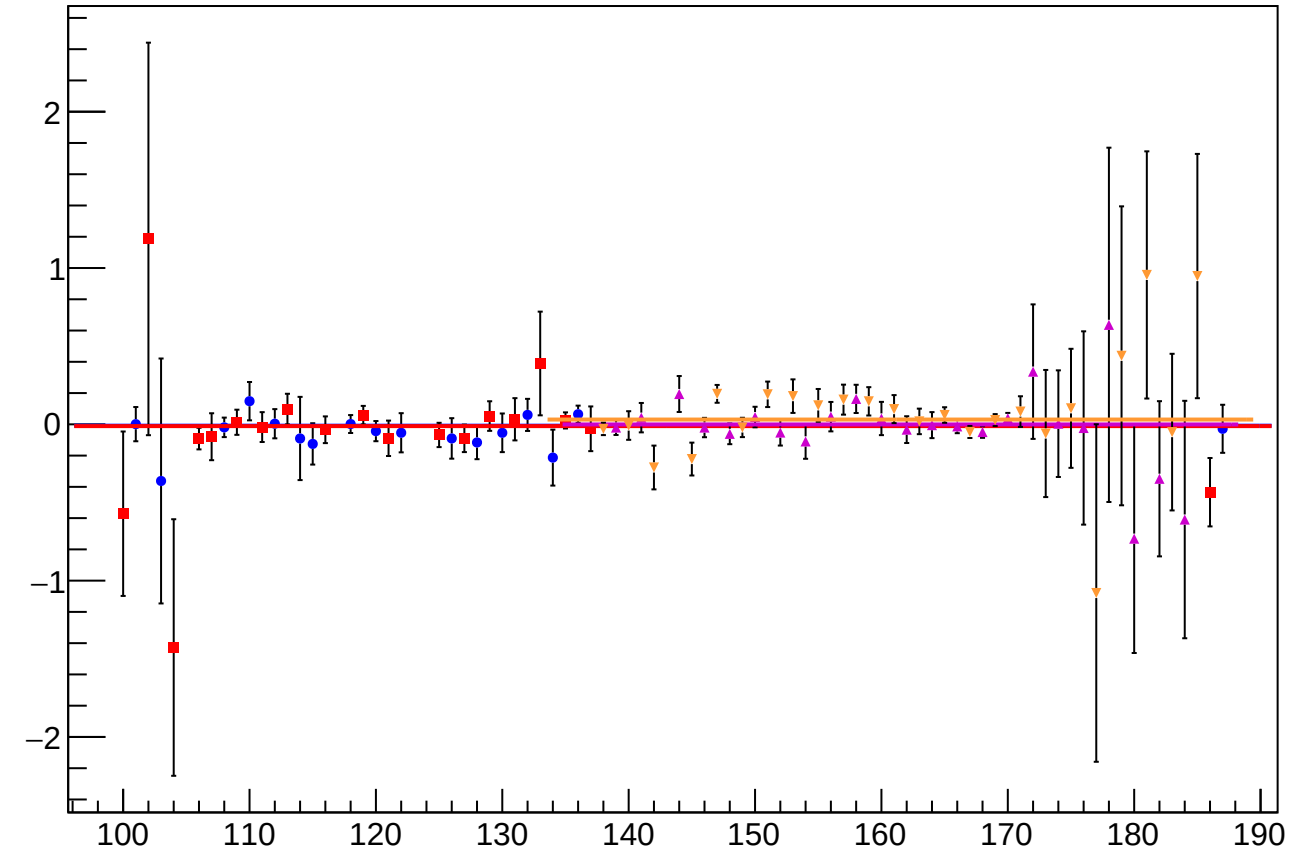
Right Out: 50.328+/-0.016 χ^2/NDF: 3344889.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 52.048+/-0.009 χ^2/NDF: 13984972.7/40

All: 51.144+/-0.006 χ^2/NDF: 29545129.5/82

\- sign 50.275+/-0.009 χ^2/NDF: 15540629.8/41



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

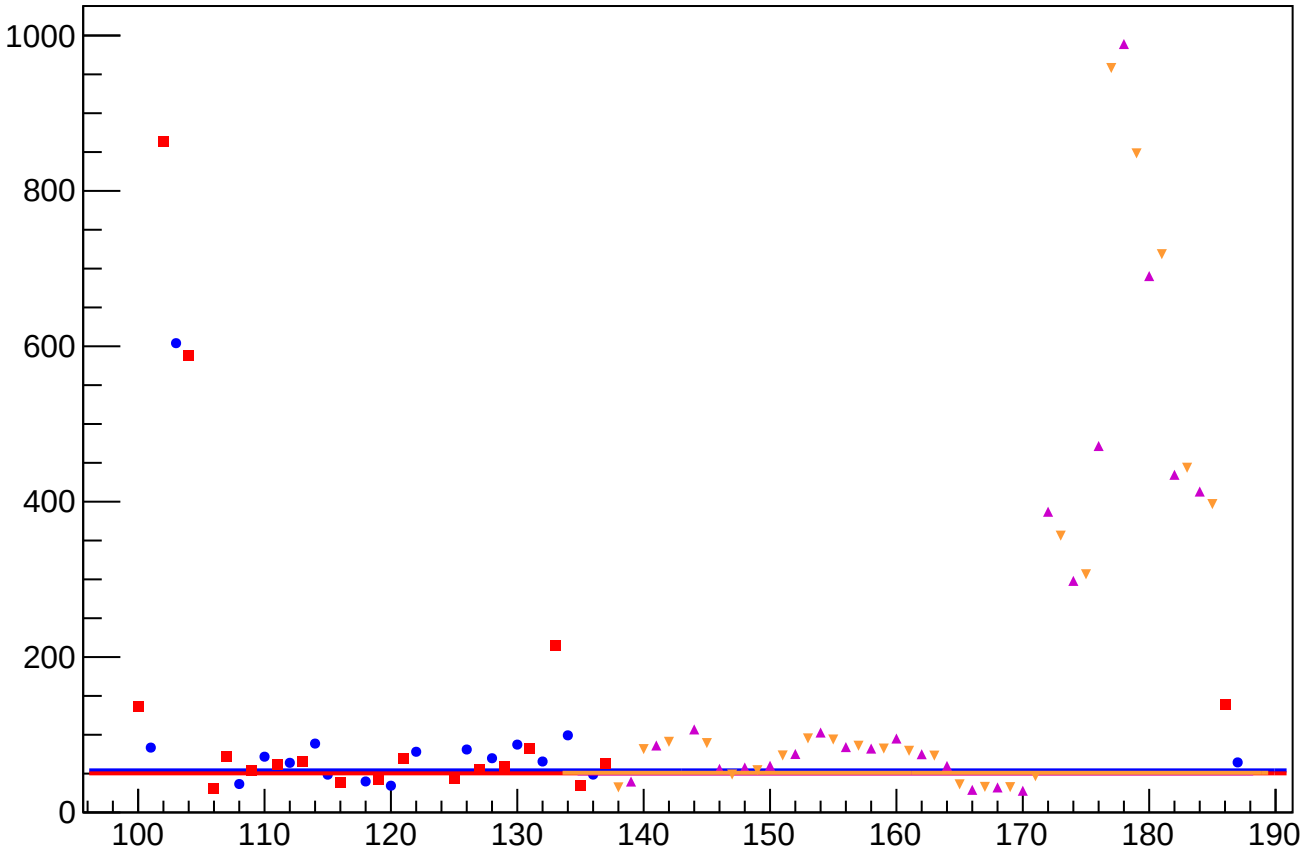
Right Out: -0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 51.9/40

All: 0.007+/-0.009 χ^2/NDF: 87.1/82

- sign -0.004+/-0.013 χ^2/NDF: 33.6/41



Right In: 54.158+/-0.016 χ^2/NDF: 2223468.6/16

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

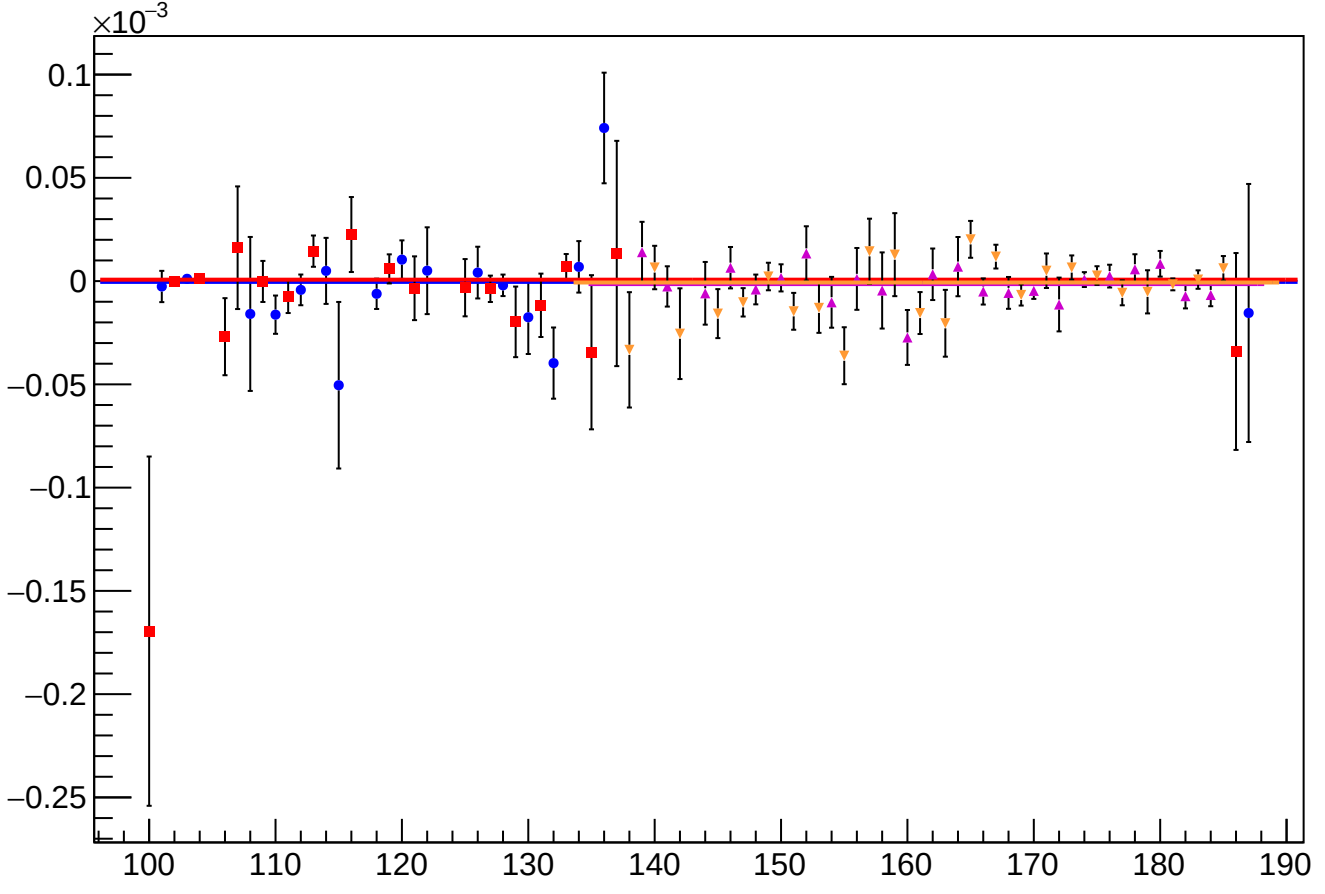
Right Out: 50.328+/-0.016 χ^2/NDF: 3344889.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 52.048+/-0.009 χ^2/NDF: 13984972.7/40

All: 51.144+/-0.006 χ^2/NDF: 29545129.5/82

- sign 50.275+/-0.009 χ^2/NDF: 15540629.8/41



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

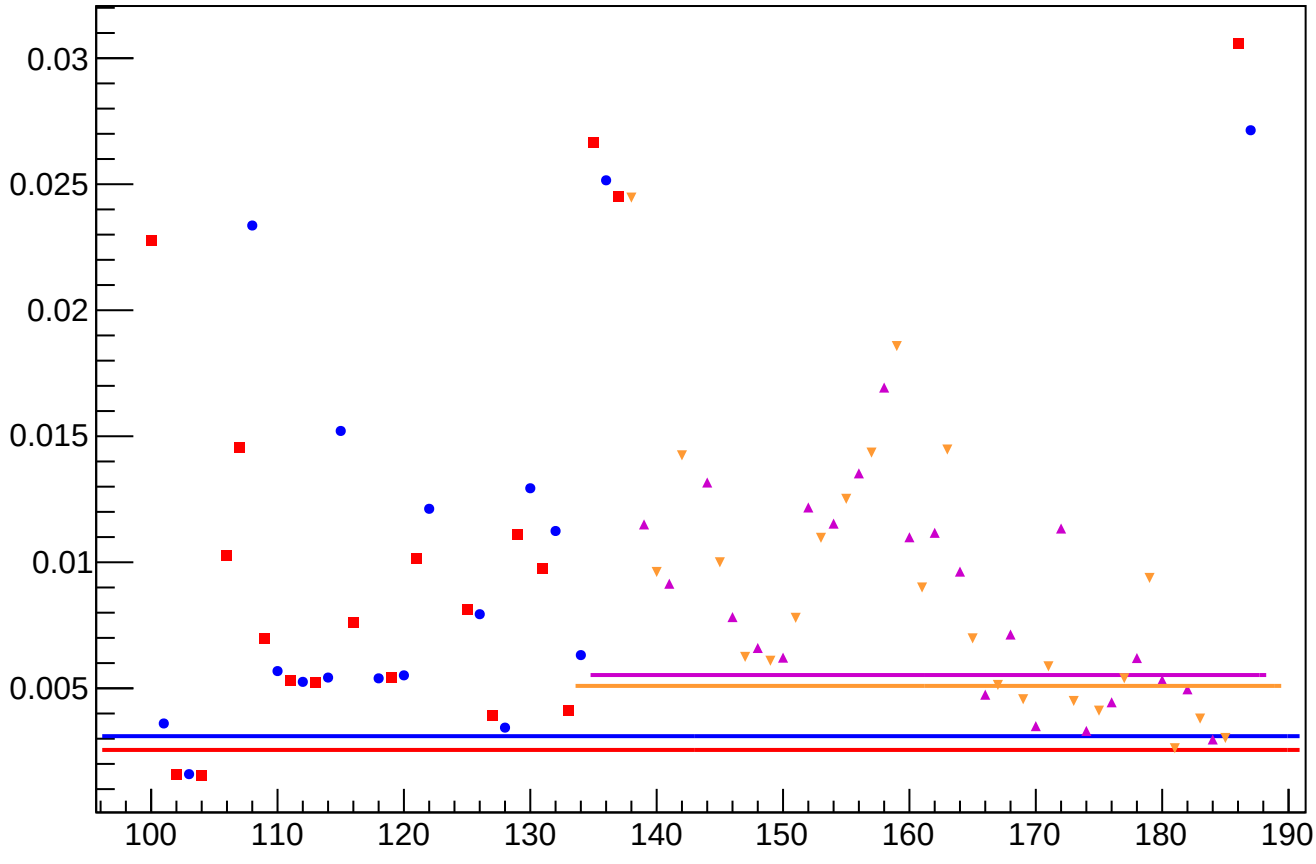
Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.7/40

All: -0.000+/-0.000 χ^2/NDF: 96.7/82

- sign -0.000+/-0.000 χ^2/NDF: 36.0/41



Right In: 0.003+/-0.000 χ^2/NDF: 6075424.9/16

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

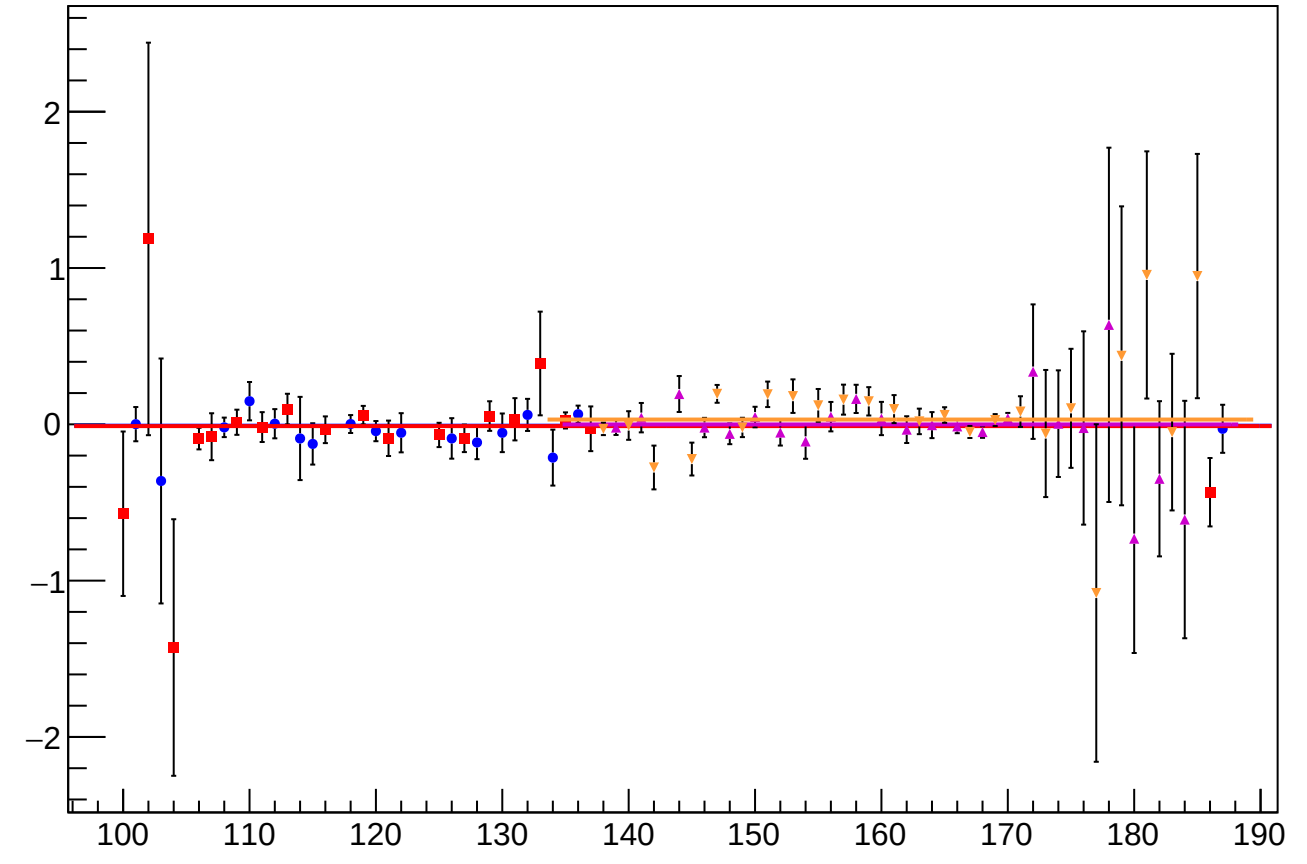
Right Out: 0.003+/-0.000 χ^2/NDF: 6929045.6/18

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 16199586.6/40

All: 0.004+/-0.000 χ^2/NDF: 34774064.3/82

- sign 0.004+/-0.000 χ^2/NDF: 18365625.5/41



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

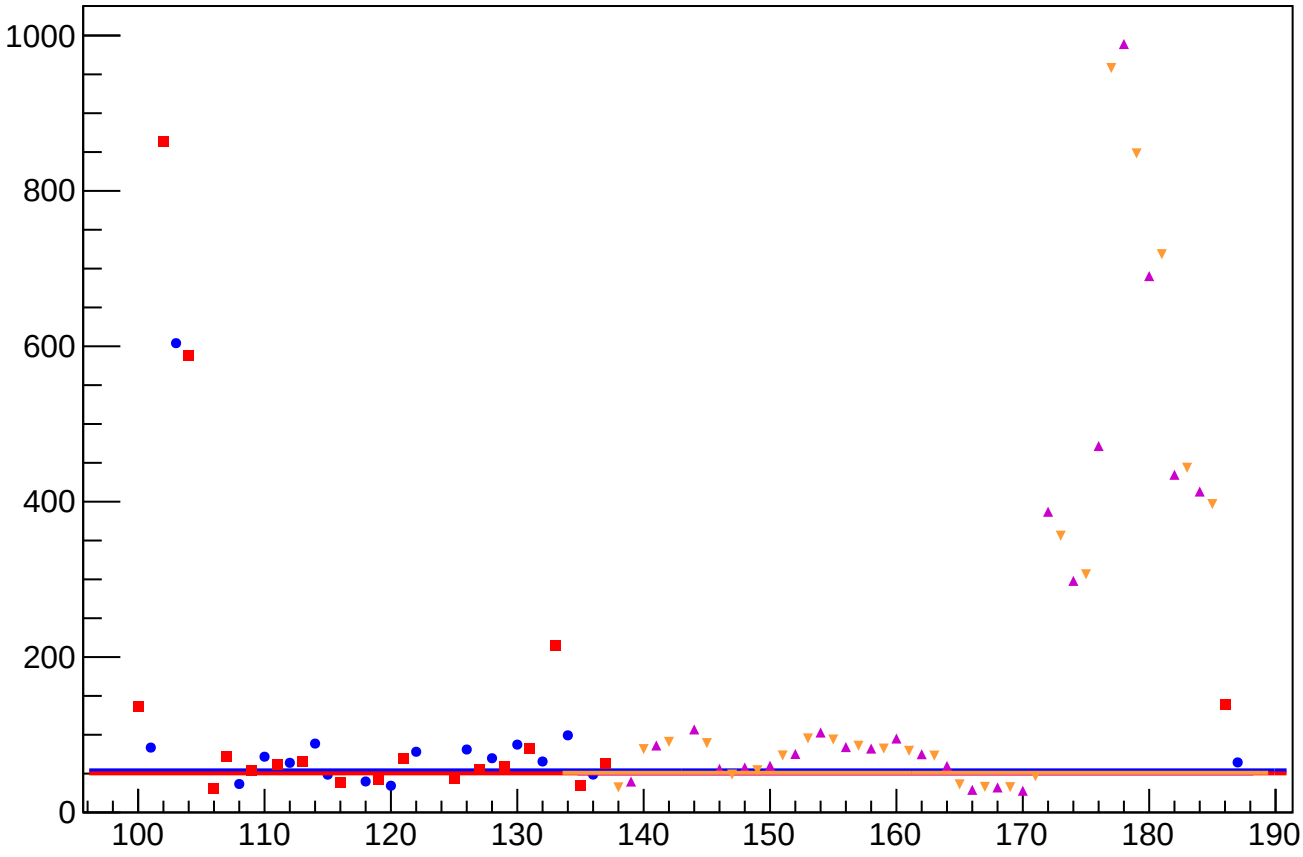
Right Out: -0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 51.9/40

All: 0.007+/-0.009 χ^2/NDF: 87.1/82

- sign -0.004+/-0.013 χ^2/NDF: 33.6/41



Right In: 54.161+/-0.016 χ^2/NDF: 2223069.8/16

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

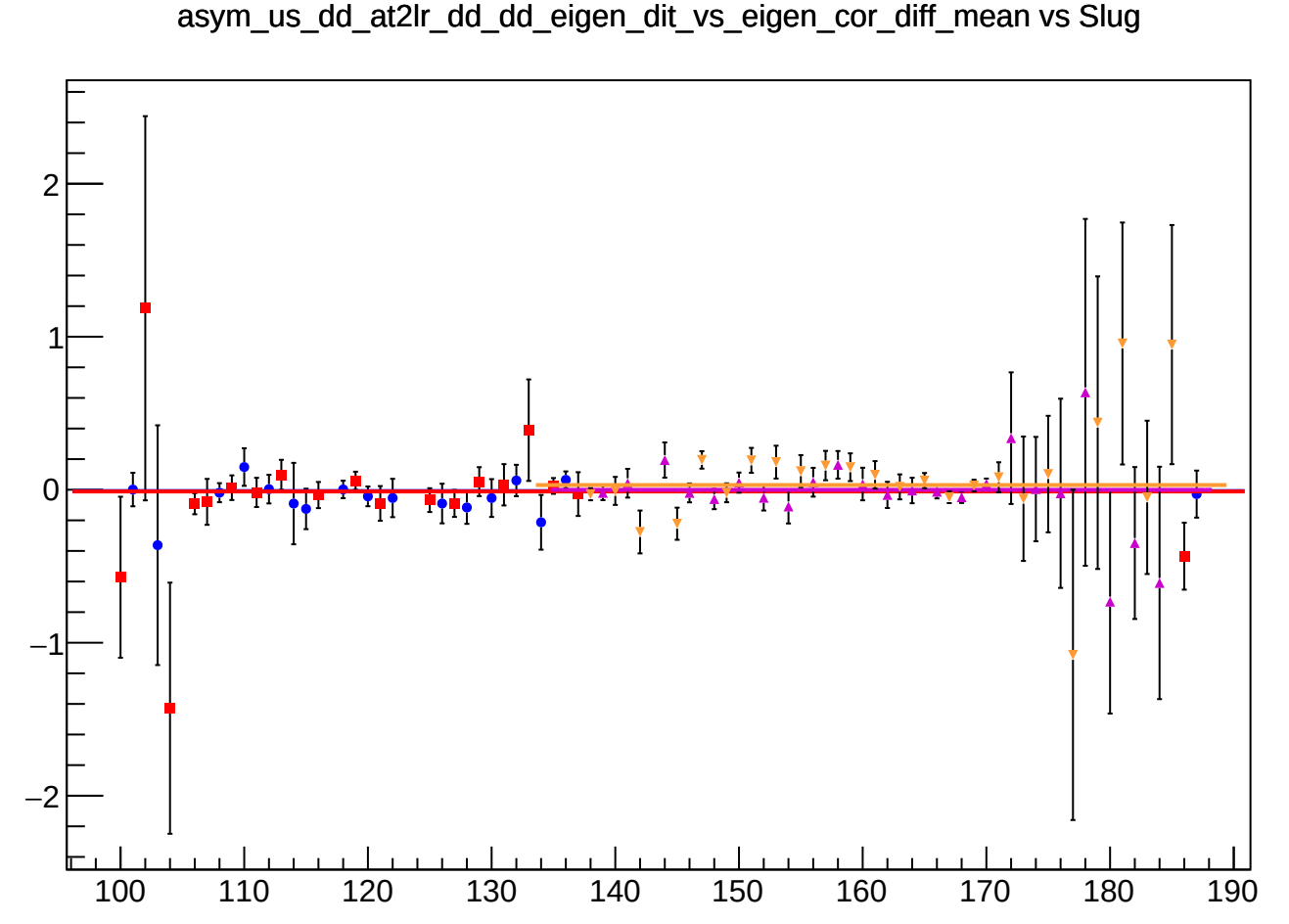
Right Out: 50.330+/-0.016 χ^2/NDF: 3344613.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.051+/-0.009 χ^2/NDF: 13983755.5/40

All: 51.146+/-0.006 χ^2/NDF: 29543622.1/82

\- sign 50.276+/-0.009 χ^2/NDF: 15540296.2/41



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

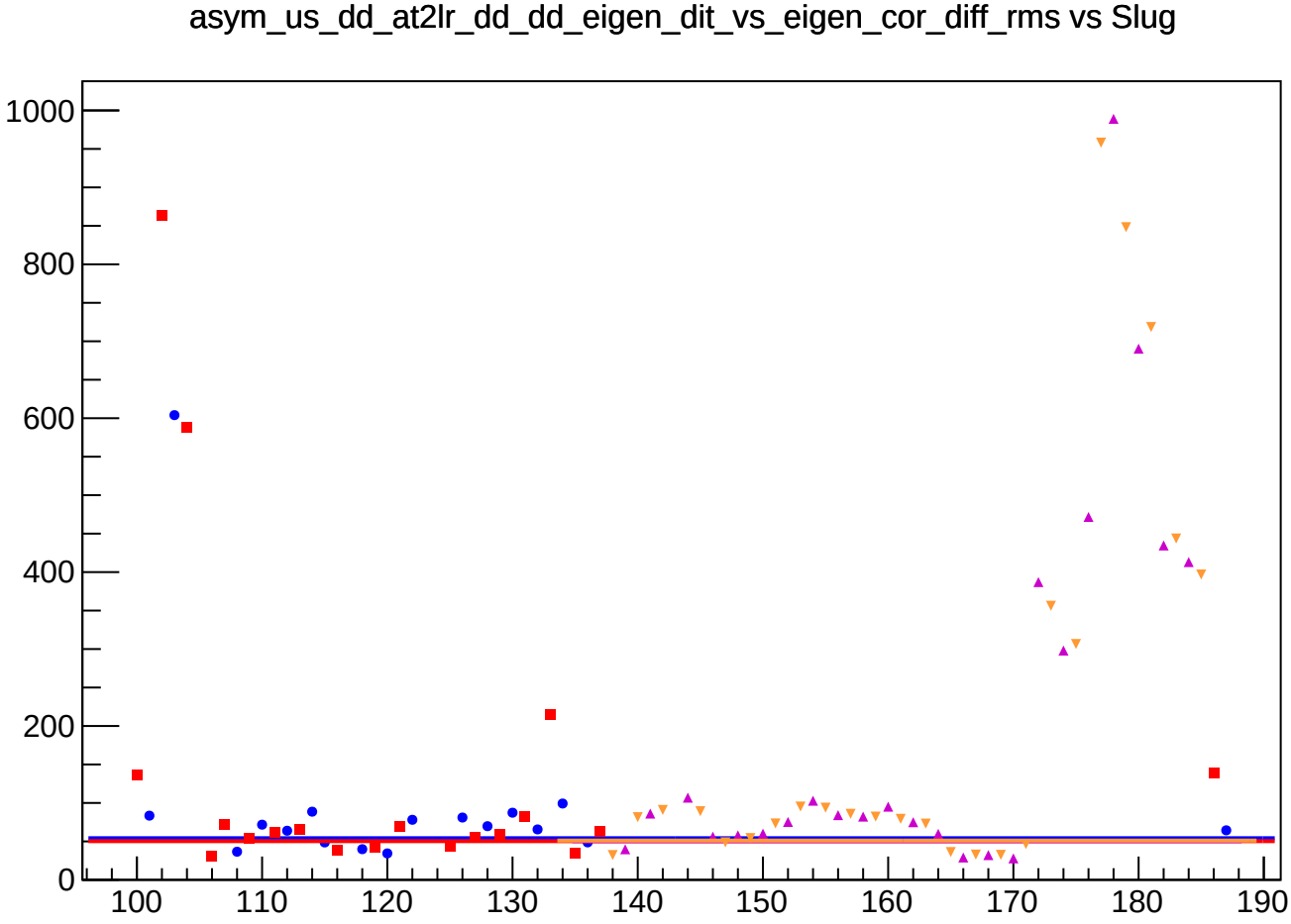
Right Out: -0.011+/-0.022 χ^2/NDF: 17.4/18

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.013 χ^2/NDF: 51.9/40

All: 0.007+/-0.009 χ^2/NDF: 87.1/82

- sign -0.004+/-0.013 χ^2/NDF: 33.6/41



Right In: 54.161+/-0.016 χ^2/NDF: 2223069.8/16

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

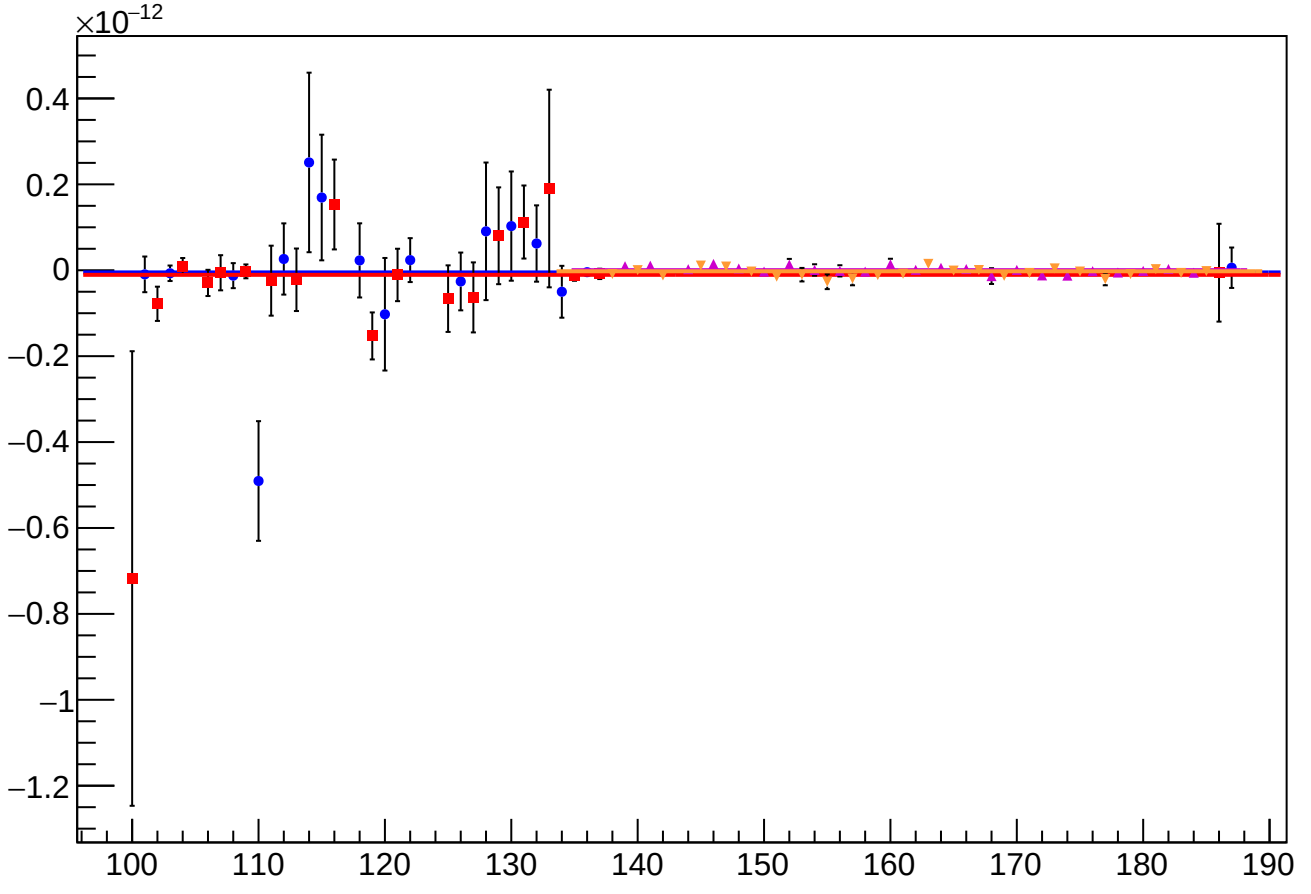
Right Out: 50.330+/-0.016 χ^2/NDF: 3344613.4/18

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 52.051+/-0.009 χ^2/NDF: 13983755.5/40

All: 51.146+/-0.006 χ^2/NDF: 29543622.1/82

\- sign 50.276+/-0.009 χ^2/NDF: 15540296.2/41



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

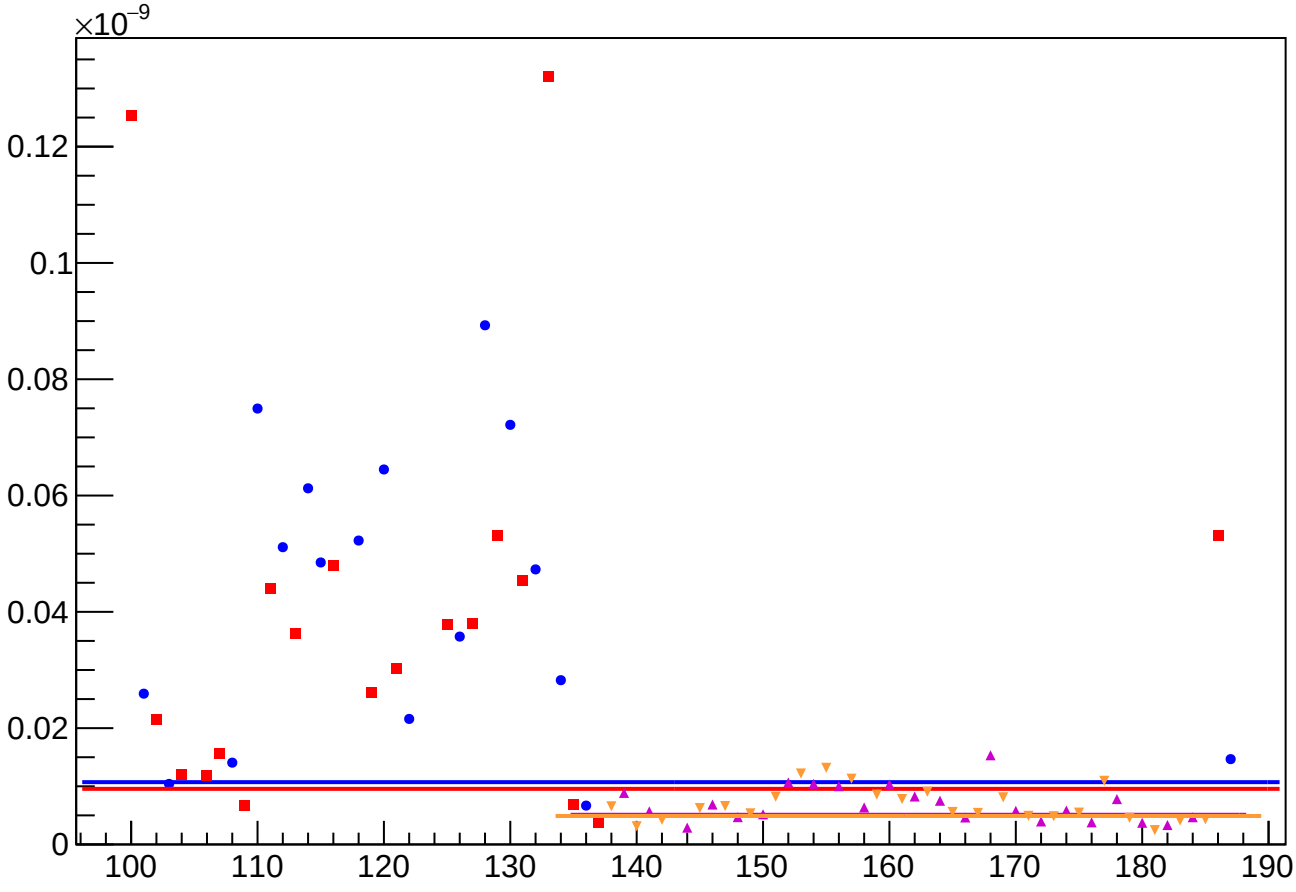
Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.0/40

All: -0.000+/-0.000 χ^2/NDF: 83.0/82

- sign -0.000+/-0.000 χ^2/NDF: 41.0/41



Right In: 0.000+/-0.000 χ^2/NDF: 4571771.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4322554.7/18

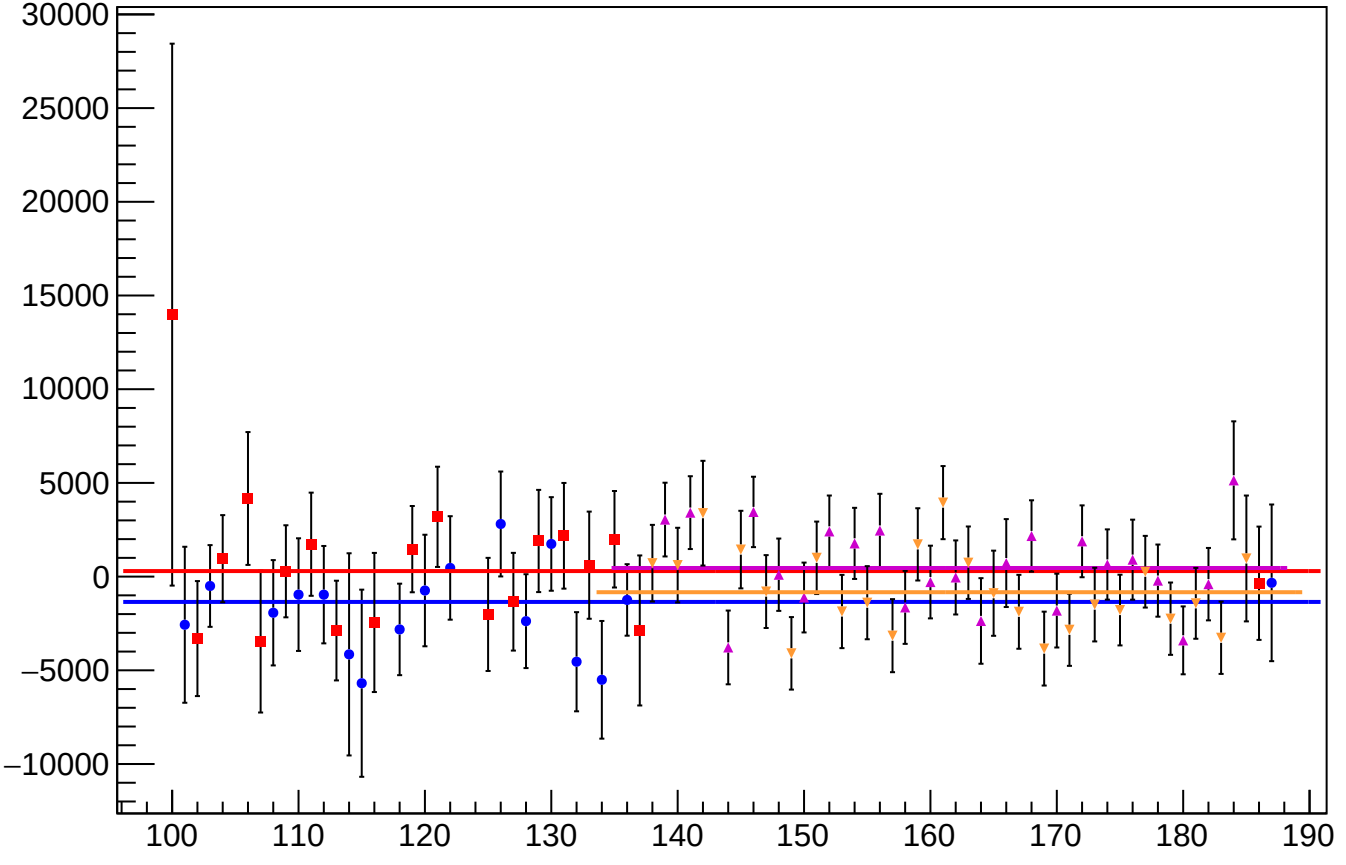
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10291657.2/40

All: 0.000+/-0.000 χ^2/NDF: 19309574.7/82

- sign 0.000+/-0.000 χ^2/NDF: 9003459.7/41

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1351.070+/-679.855 χ^2/NDF: 9.4/16

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 295.521+/-667.029 χ^2/NDF: 11.1/18

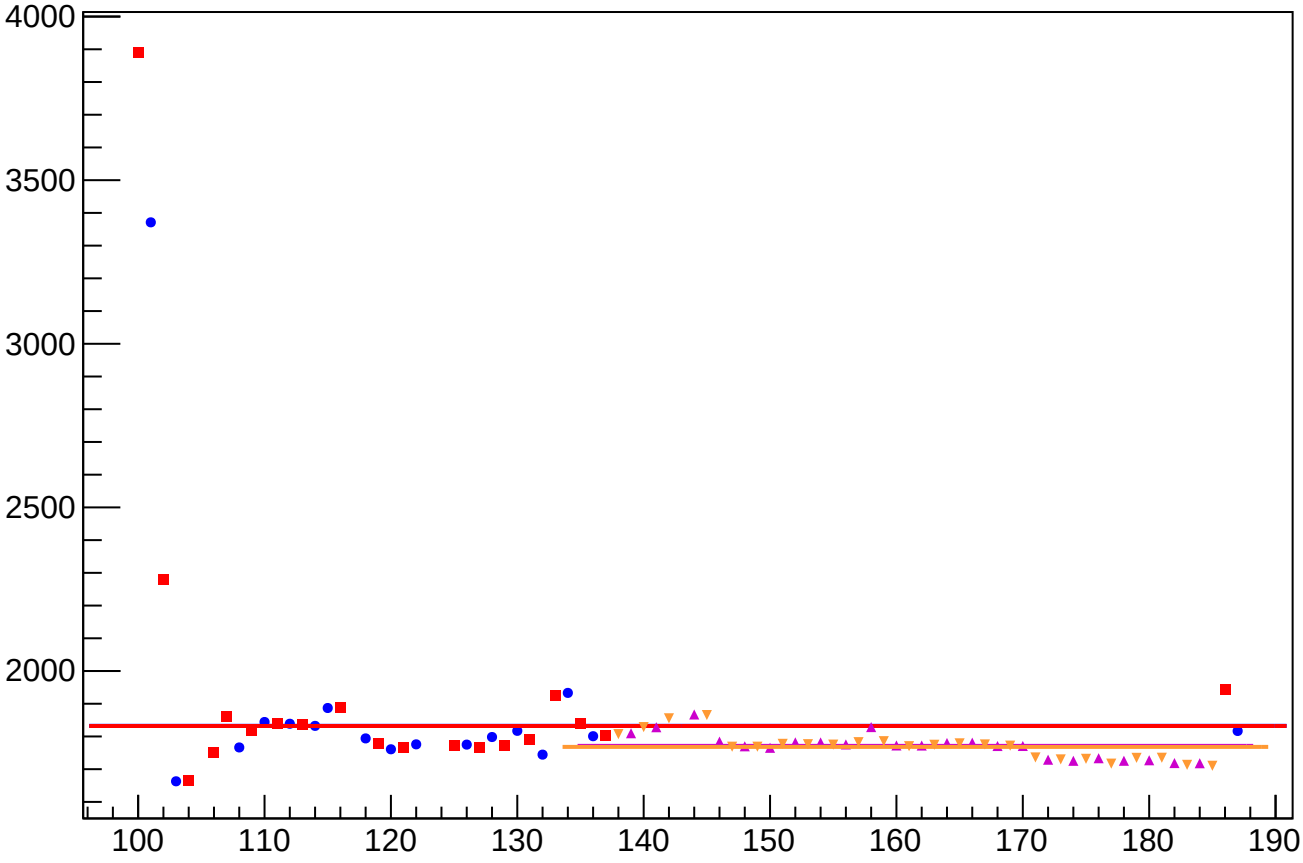
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -971.083+/-351.377 χ^2/NDF: 35.2/40

All: -278.837+/-248.516 χ^2/NDF: 81.4/82

- sign 414.024+/-351.533 χ^2/NDF: 38.4/41

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.520+/-0.481 χ^2/NDF: 295468.4/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

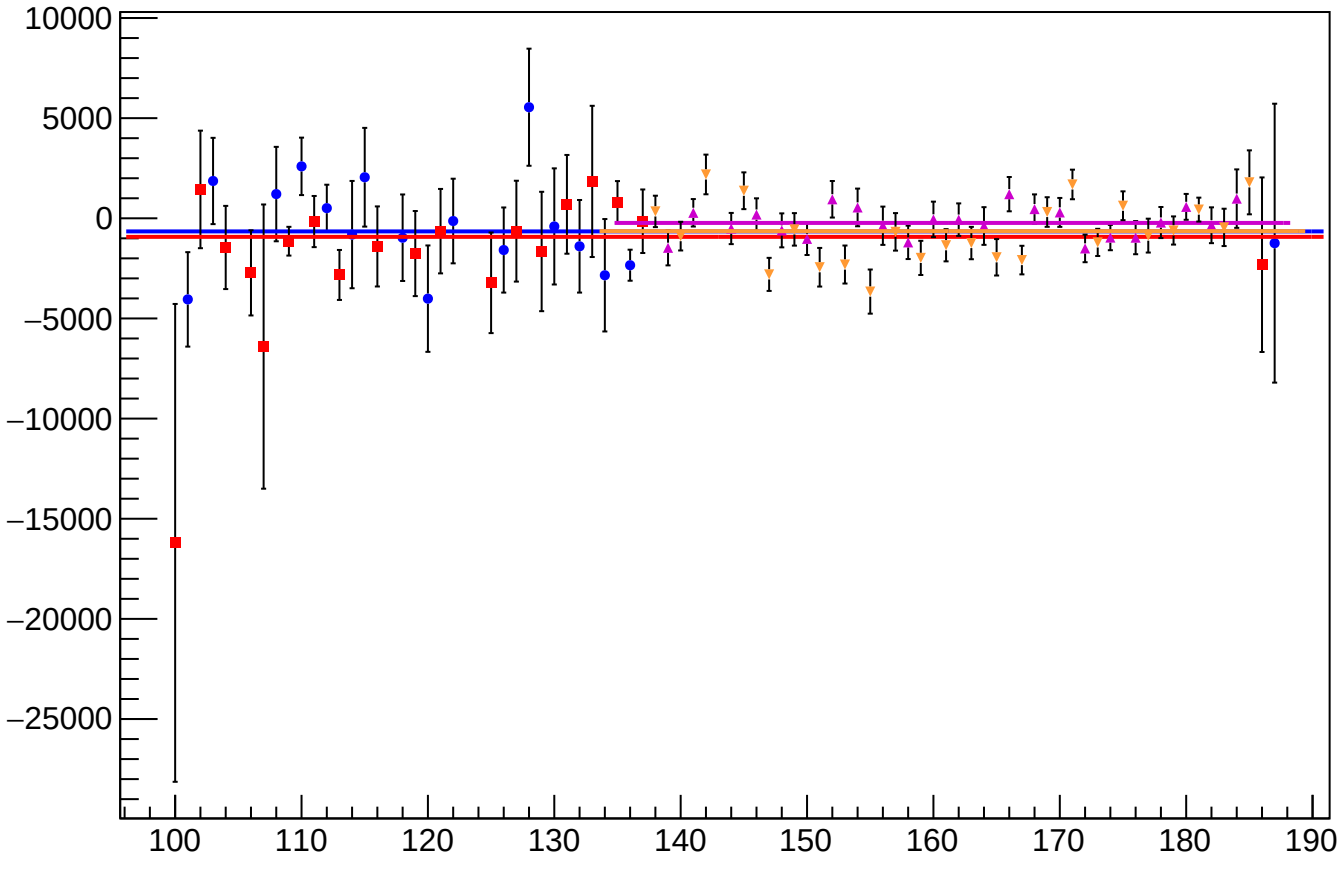
Right Out: 1831.969+/-0.472 χ^2/NDF: 105921.7/18

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.327+/-0.248 χ^2/NDF: 324976.5/40

All: 1786.708+/-0.176 χ^2/NDF: 459368.5/82

- sign 1788.091+/-0.249 χ^2/NDF: 134330.1/41



Right In: -654.311+/-441.246 χ^2/NDF: 23.2/16

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

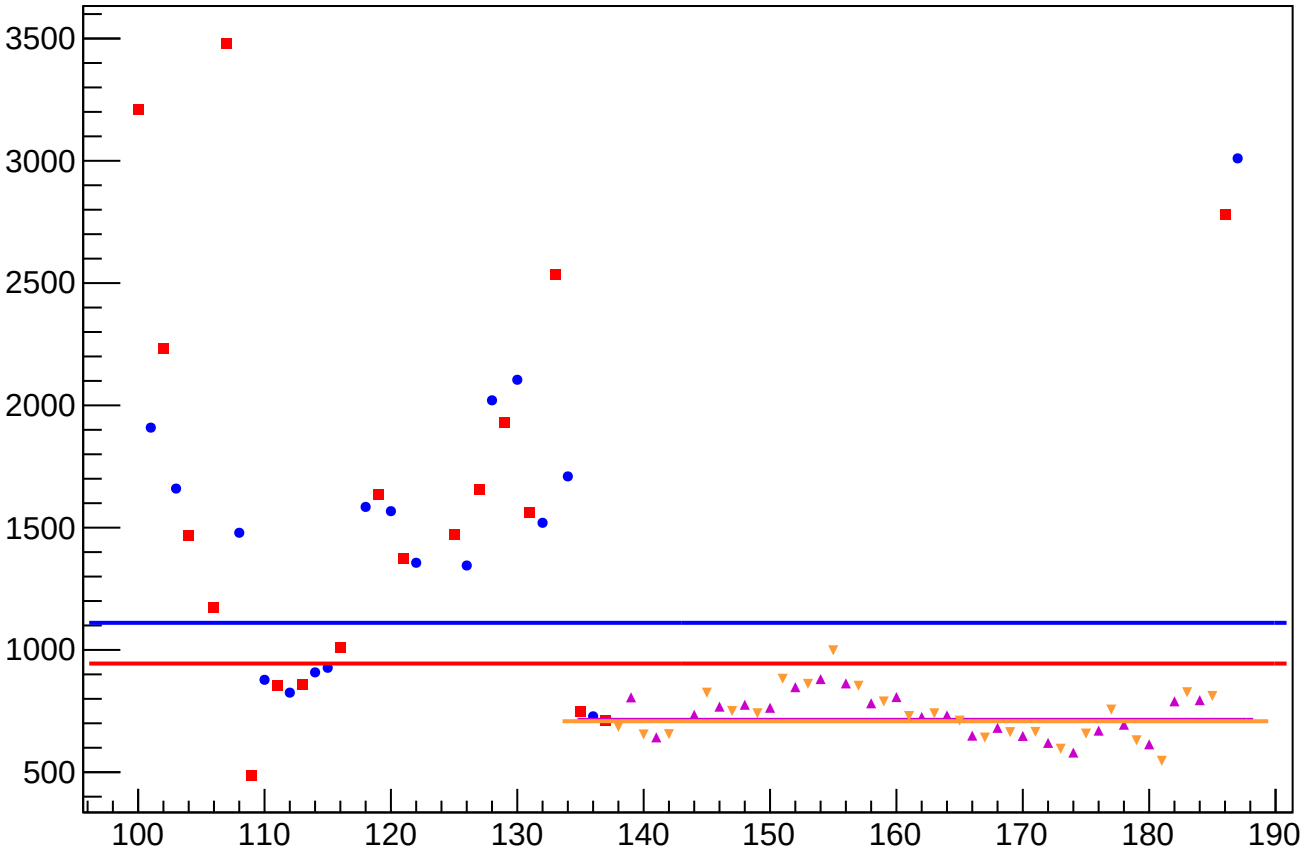
Right Out: -926.054+/-391.827 χ^2/NDF: 11.6/18

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -642.683+/-155.737 χ^2/NDF: 89.9/40

All: -489.775+/-109.738 χ^2/NDF: 126.1/82

- sign -338.987+/-154.654 χ^2/NDF: 34.2/41



Right In: 1110.842+/-0.312 χ^2/NDF: 2027582.9/16

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 944.330+/-0.277 χ^2/NDF: 3412413.5/18

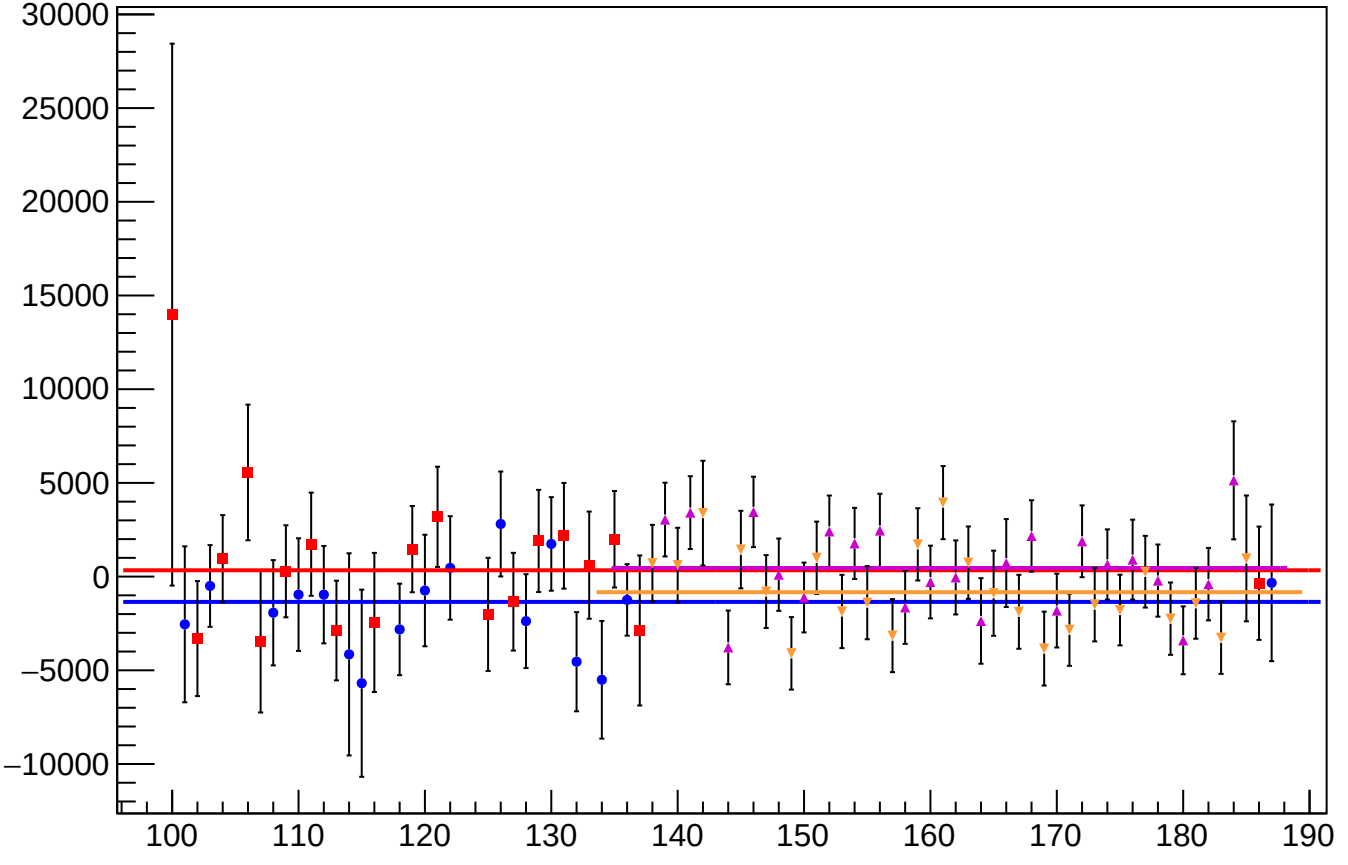
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

\+ sign 758.623+/-0.110 χ^2/NDF: 4183761.2/40

All: 754.291+/-0.078 χ^2/NDF: 8679112.4/82

\- sign 750.019+/-0.109 χ^2/NDF: 4492277.8/41

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1350.486+/-679.856 χ^2/NDF: 9.4/16

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 337.112+/-667.512 χ^2/NDF: 12.0/18

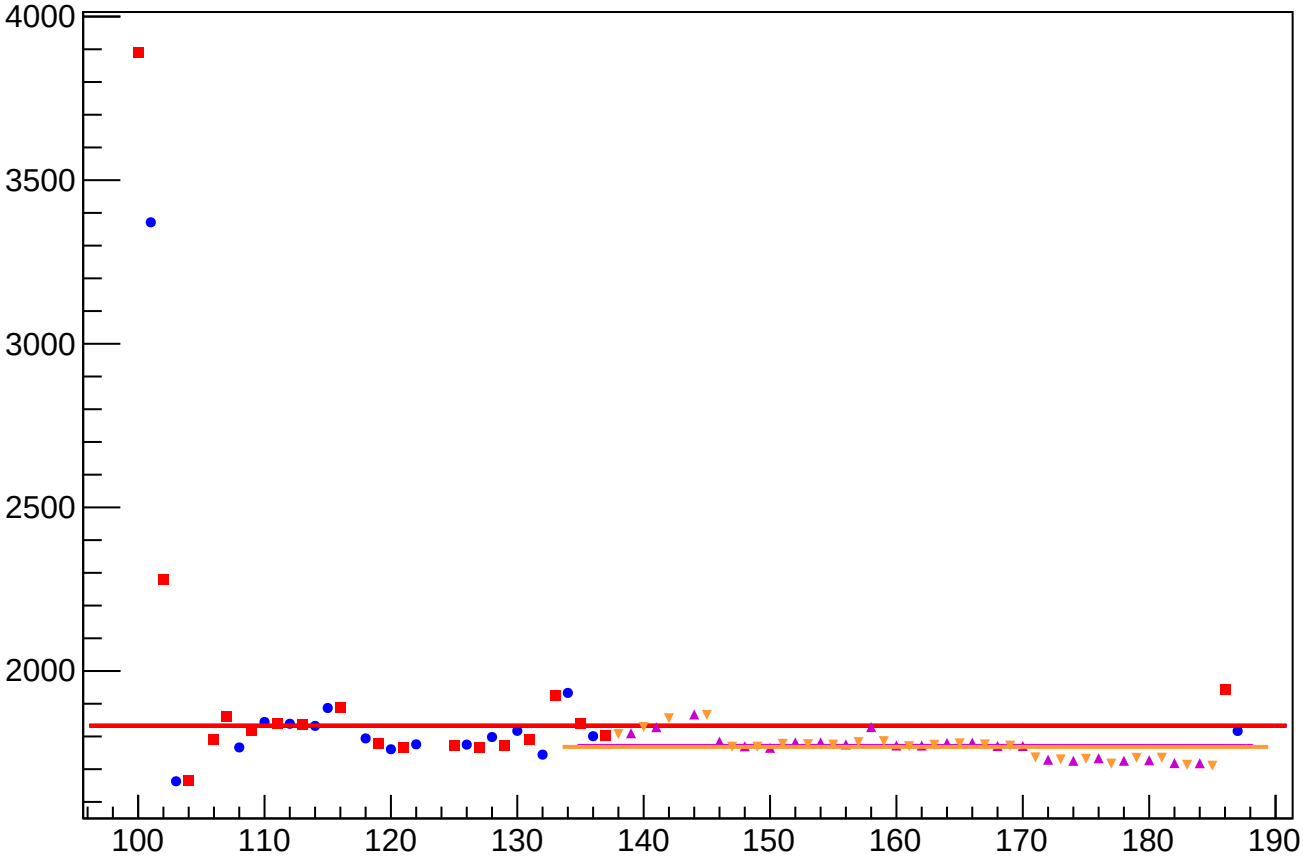
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -970.849+/-351.377 χ^2/NDF: 35.2/40

All: -273.084+/-248.541 χ^2/NDF: 82.4/82

- sign 425.582+/-351.604 χ^2/NDF: 39.3/41

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.520+/-0.481 χ^2/NDF: 295470.3/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

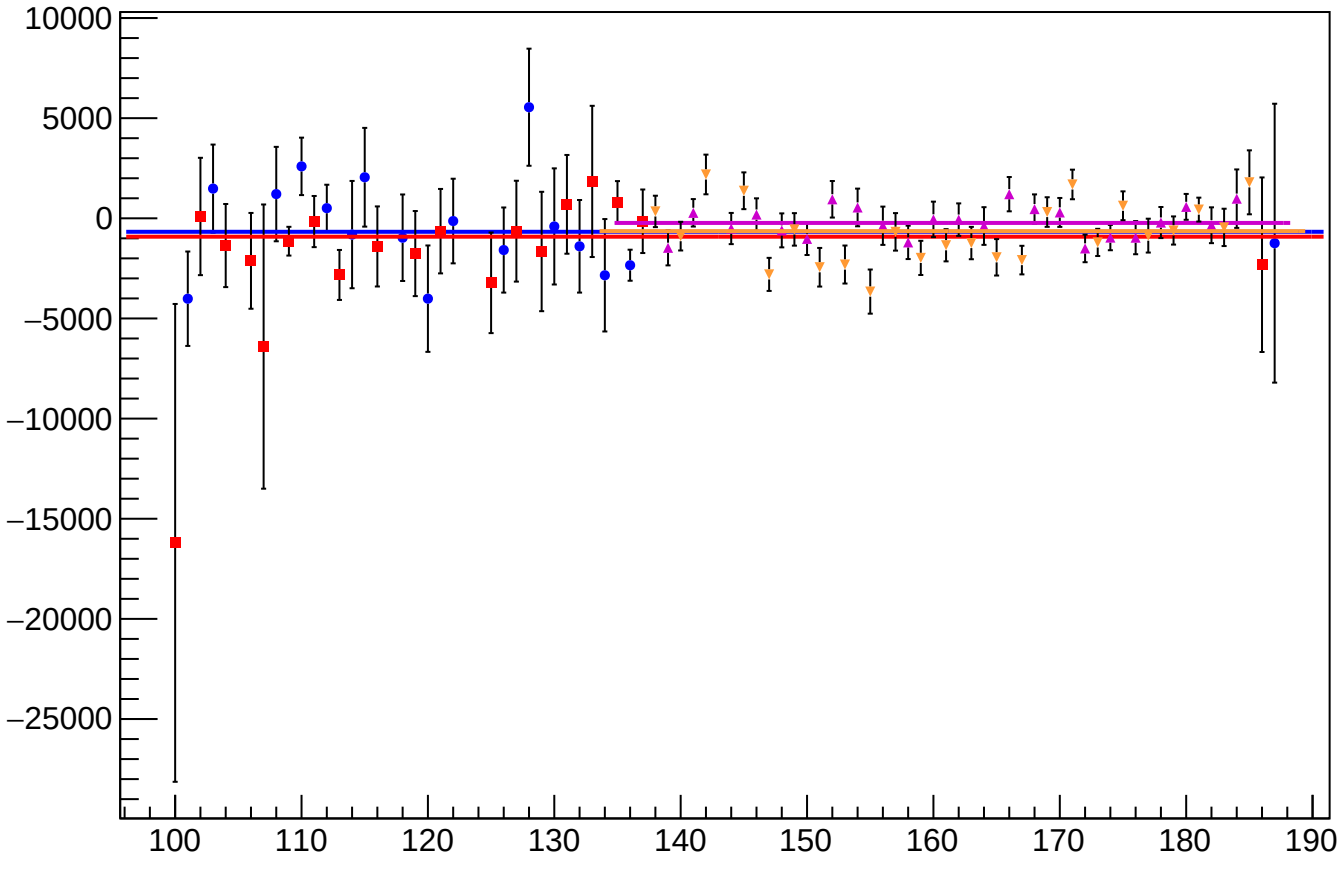
Right Out: 1833.478+/-0.472 χ^2/NDF: 105108.0/18

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.327+/-0.248 χ^2/NDF: 324978.4/40

All: 1786.908+/-0.176 χ^2/NDF: 459165.2/82

- sign 1788.492+/-0.249 χ^2/NDF: 134105.7/41



Right In: -672.837+/-441.614 χ^2/NDF: 22.8/16

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

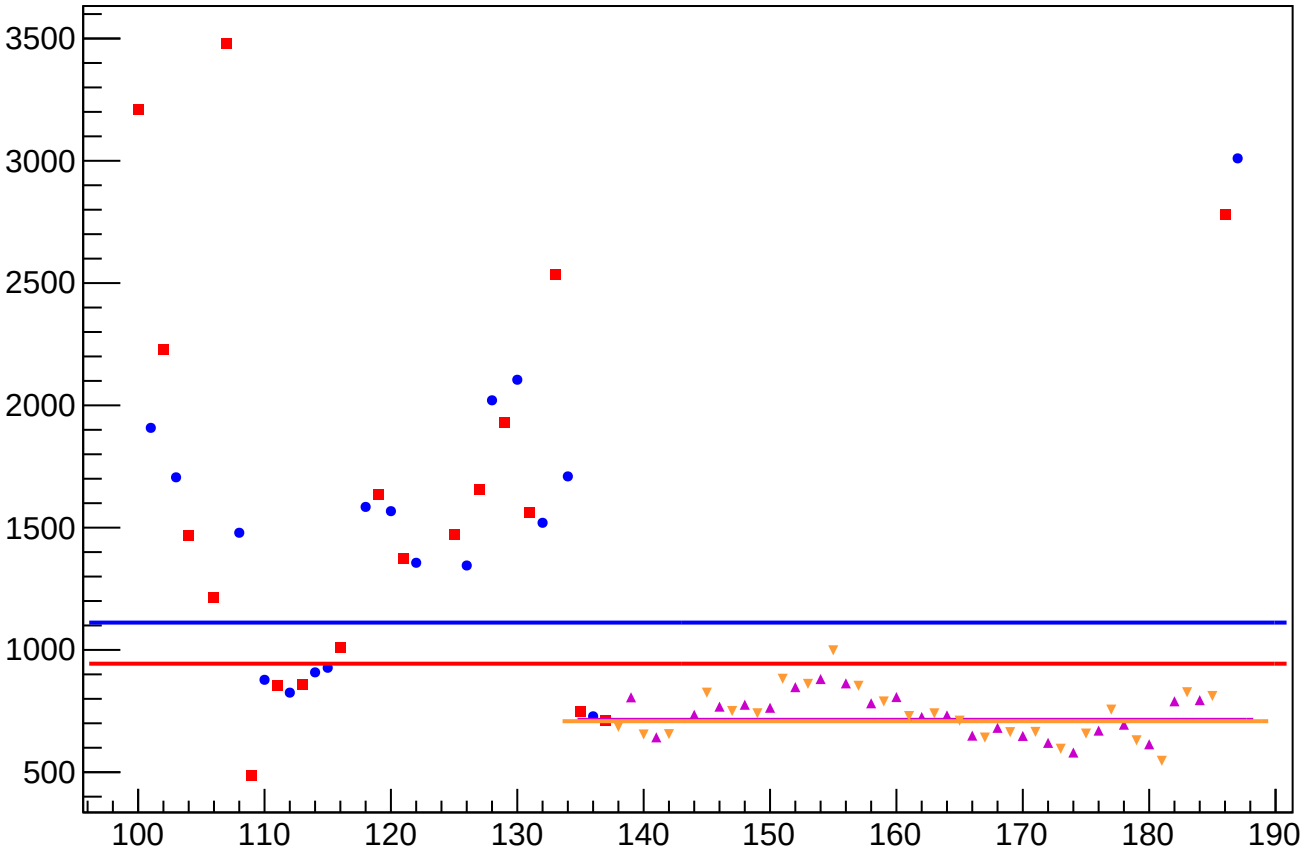
Right Out: -917.363+/-393.204 χ^2/NDF: 10.6/18

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -644.964+/-155.754 χ^2/NDF: 89.5/40

All: -489.942+/-109.774 χ^2/NDF: 124.6/82

- sign -336.934+/-154.739 χ^2/NDF: 33.1/41



Right In: 1111.770+/-0.312 χ^2/NDF: 2043742.6/16

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

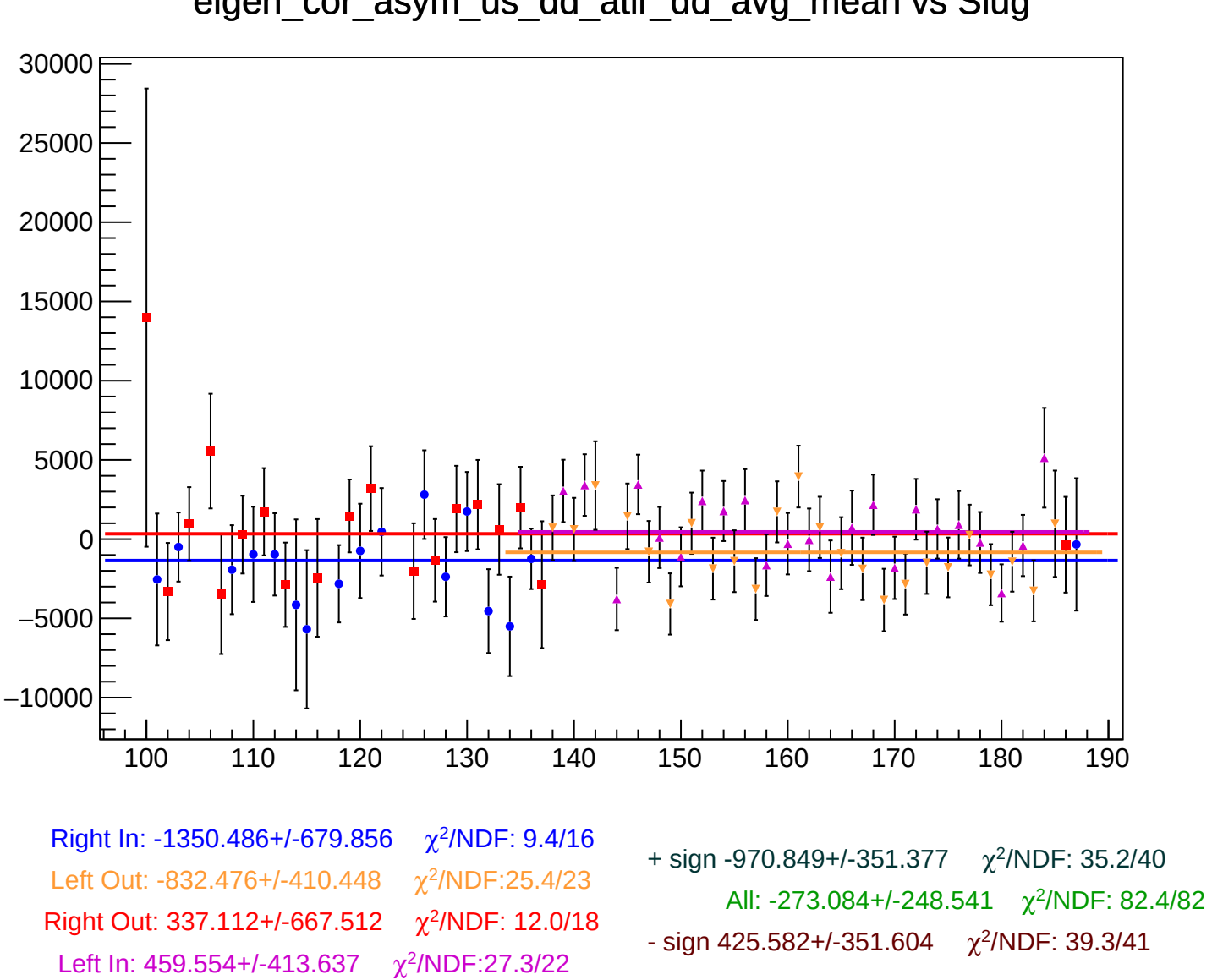
Right Out: 943.714+/-0.278 χ^2/NDF: 3412967.9/18

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

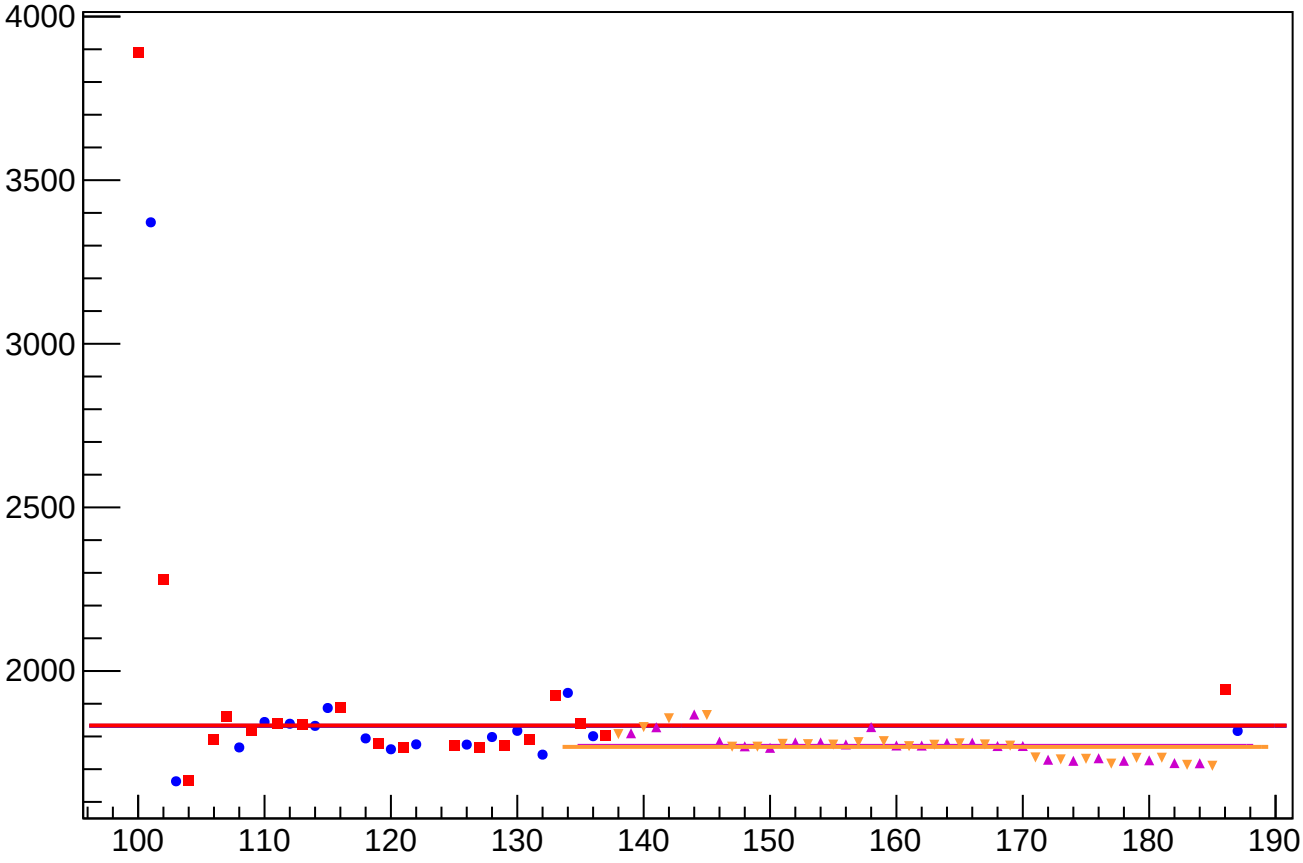
\+ sign 758.671+/-0.110 χ^2/NDF: 4204443.8/40

All: 754.165+/-0.078 χ^2/NDF: 8694038.3/82

\- sign 749.717+/-0.109 χ^2/NDF: 4486268.3/41


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1350.486+/-679.856 χ²/NDF: 9.4/16
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: 337.112+/-667.512 χ²/NDF: 12.0/18
Left In: 459.554+/-413.637 χ²/NDF:27.3/22
+ sign -970.849+/-351.377 χ²/NDF: 35.2/40
All: -273.084+/-248.541 χ²/NDF: 82.4/82
- sign 425.582+/-351.604 χ²/NDF: 39.3/41

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1832.520+/-0.481 χ^2/NDF: 295470.3/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

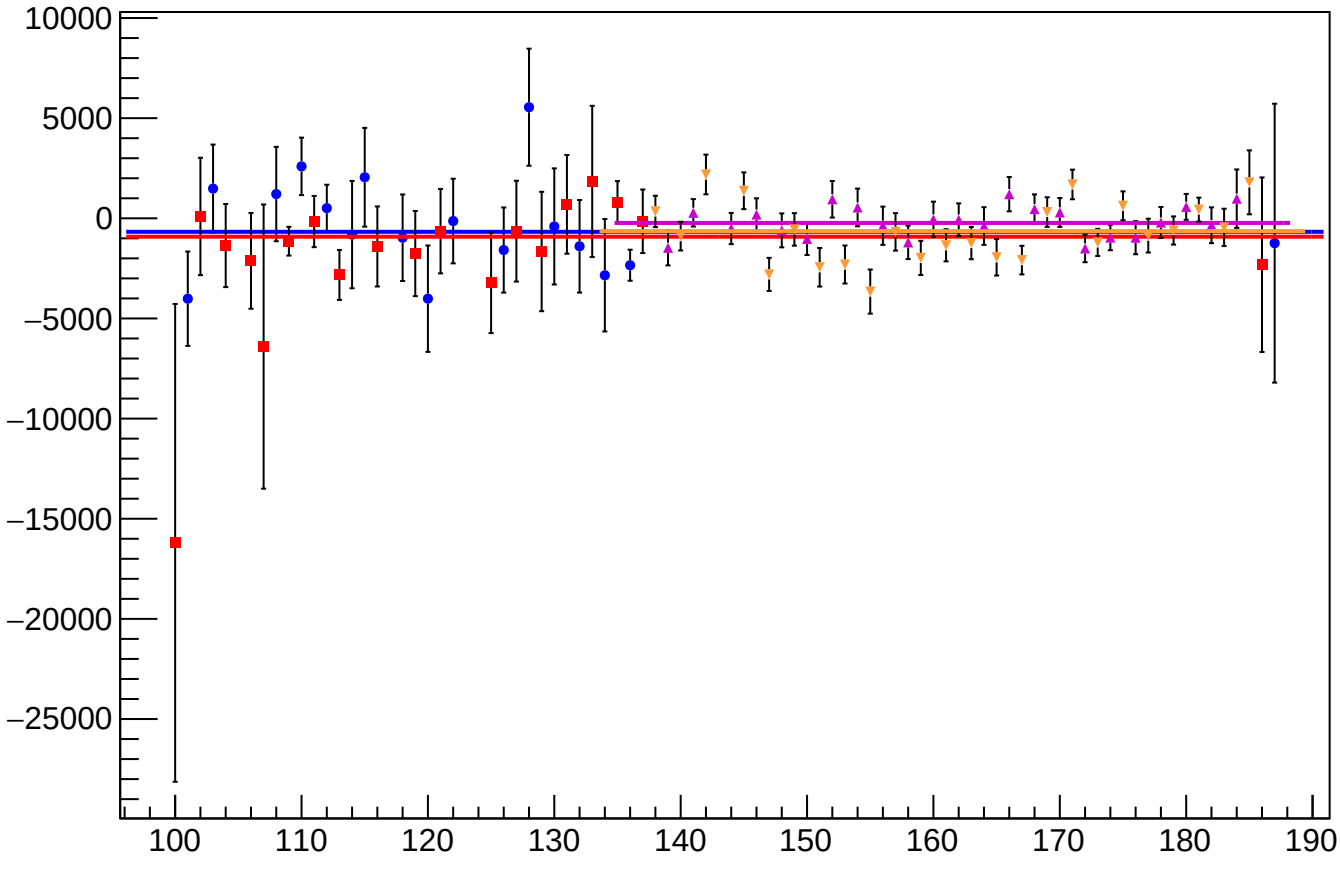
Right Out: 1833.478+/-0.472 χ^2/NDF: 105108.0/18

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1785.327+/-0.248 χ^2/NDF: 324978.4/40

All: 1786.908+/-0.176 χ^2/NDF: 459165.2/82

- sign 1788.492+/-0.249 χ^2/NDF: 134105.7/41



Right In: -672.837+/-441.614 χ^2/NDF: 22.8/16

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

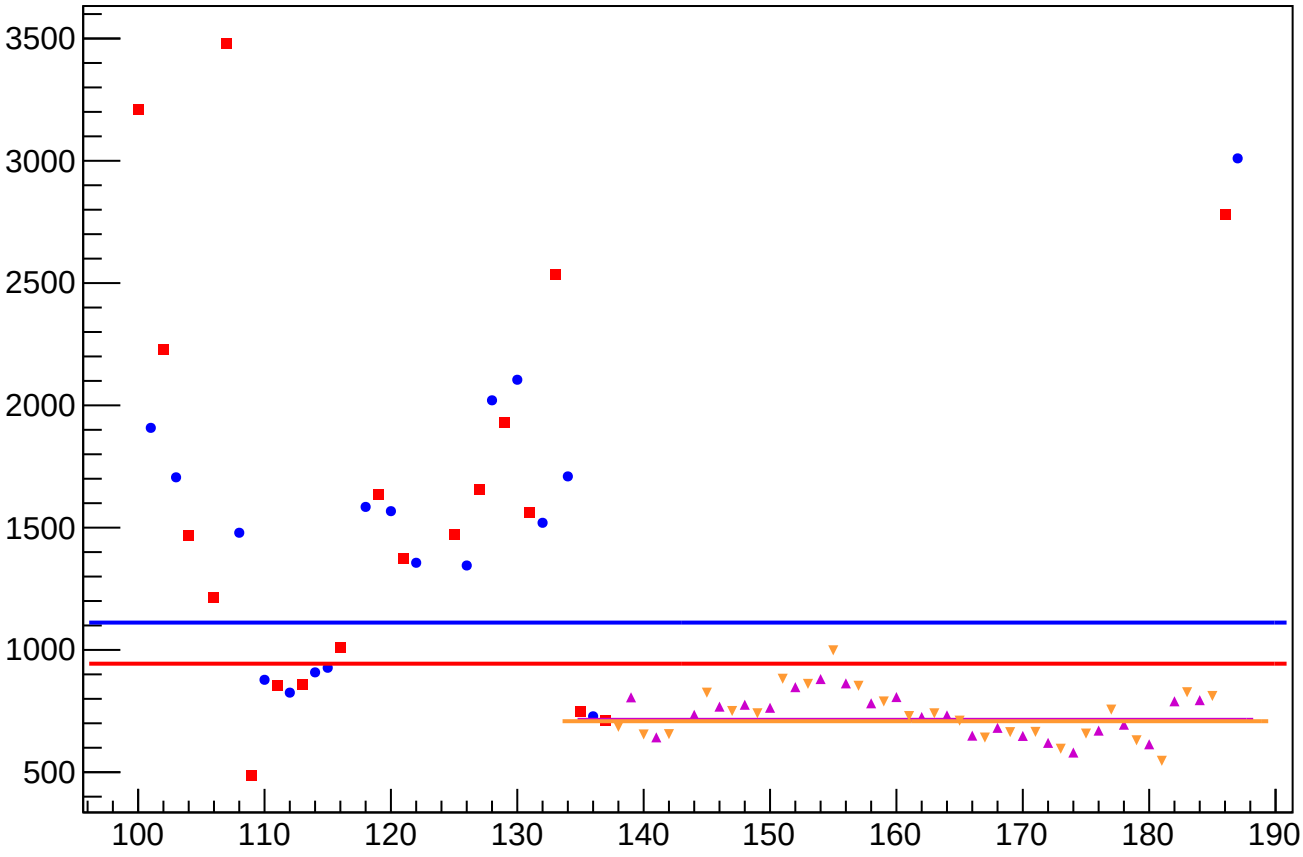
Right Out: -917.363+/-393.204 χ^2/NDF: 10.6/18

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -644.964+/-155.754 χ^2/NDF: 89.5/40

All: -489.942+/-109.774 χ^2/NDF: 124.6/82

- sign -336.934+/-154.739 χ^2/NDF: 33.1/41



Right In: 1111.770+/-0.312 χ^2/NDF: 2043742.6/16

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 943.714+/-0.278 χ^2/NDF: 3412967.9/18

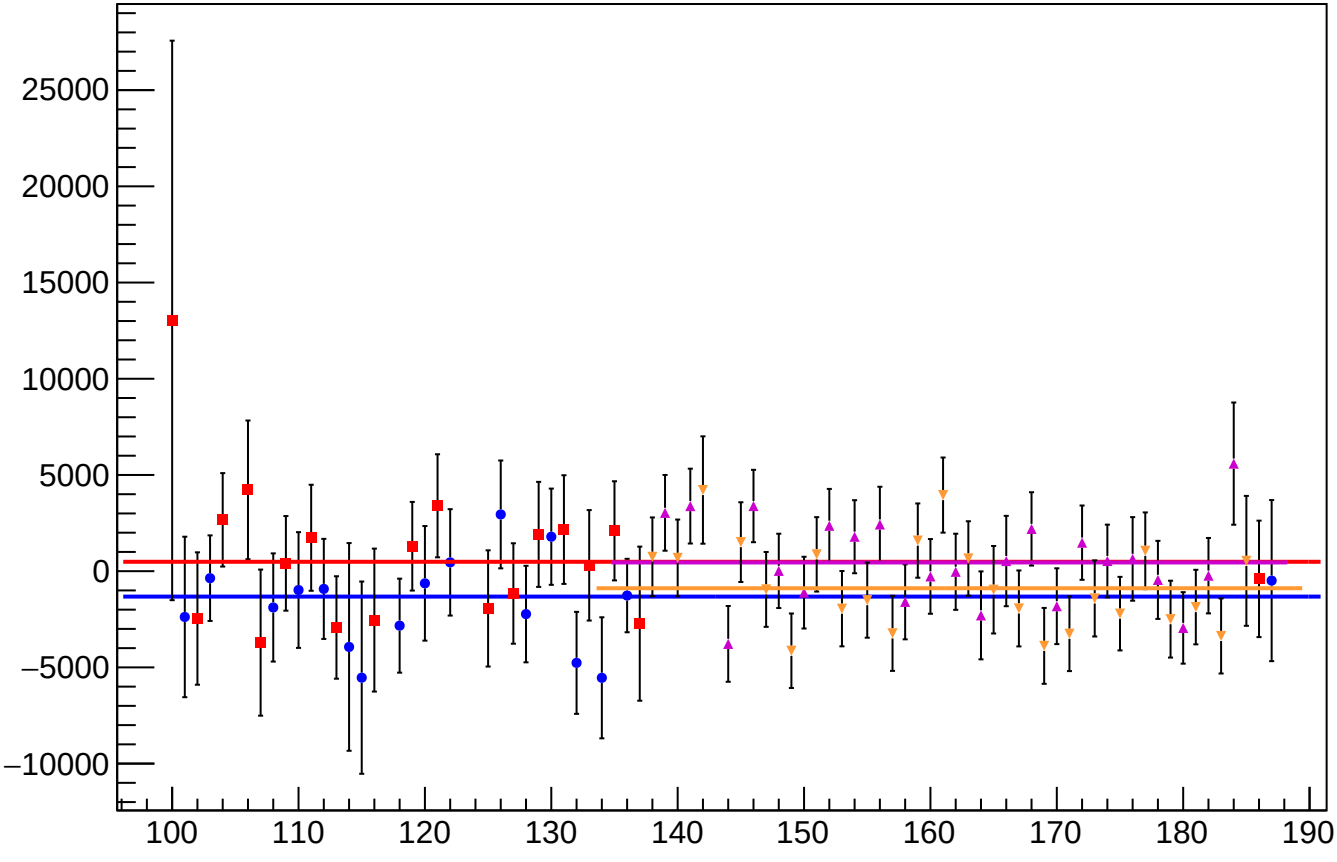
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 758.671+/-0.110 χ^2/NDF: 4204443.8/40

All: 754.165+/-0.078 χ^2/NDF: 8694038.3/82

- sign 749.717+/-0.109 χ^2/NDF: 4486268.3/41

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -1321.304+/-681.719 χ^2/NDF: 9.7/16

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 487.852+/-673.629 χ^2/NDF: 11.2/18

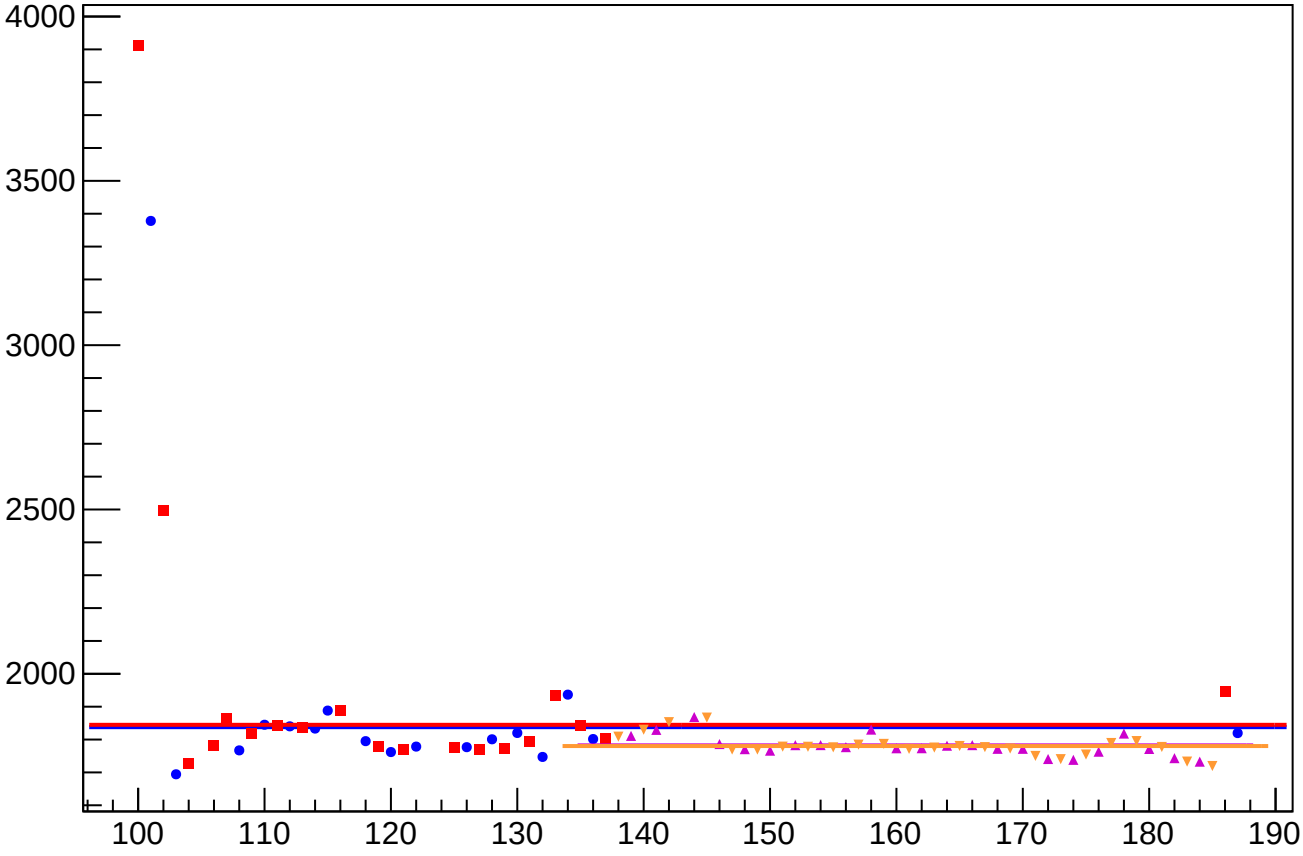
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -1003.224+/-353.376 χ^2/NDF: 38.1/40

All: -271.651+/-250.120 χ^2/NDF: 83.7/82

- sign 462.800+/-354.070 χ^2/NDF: 37.0/41

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1837.669+/-0.482 χ^2/NDF: 292022.0/16

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

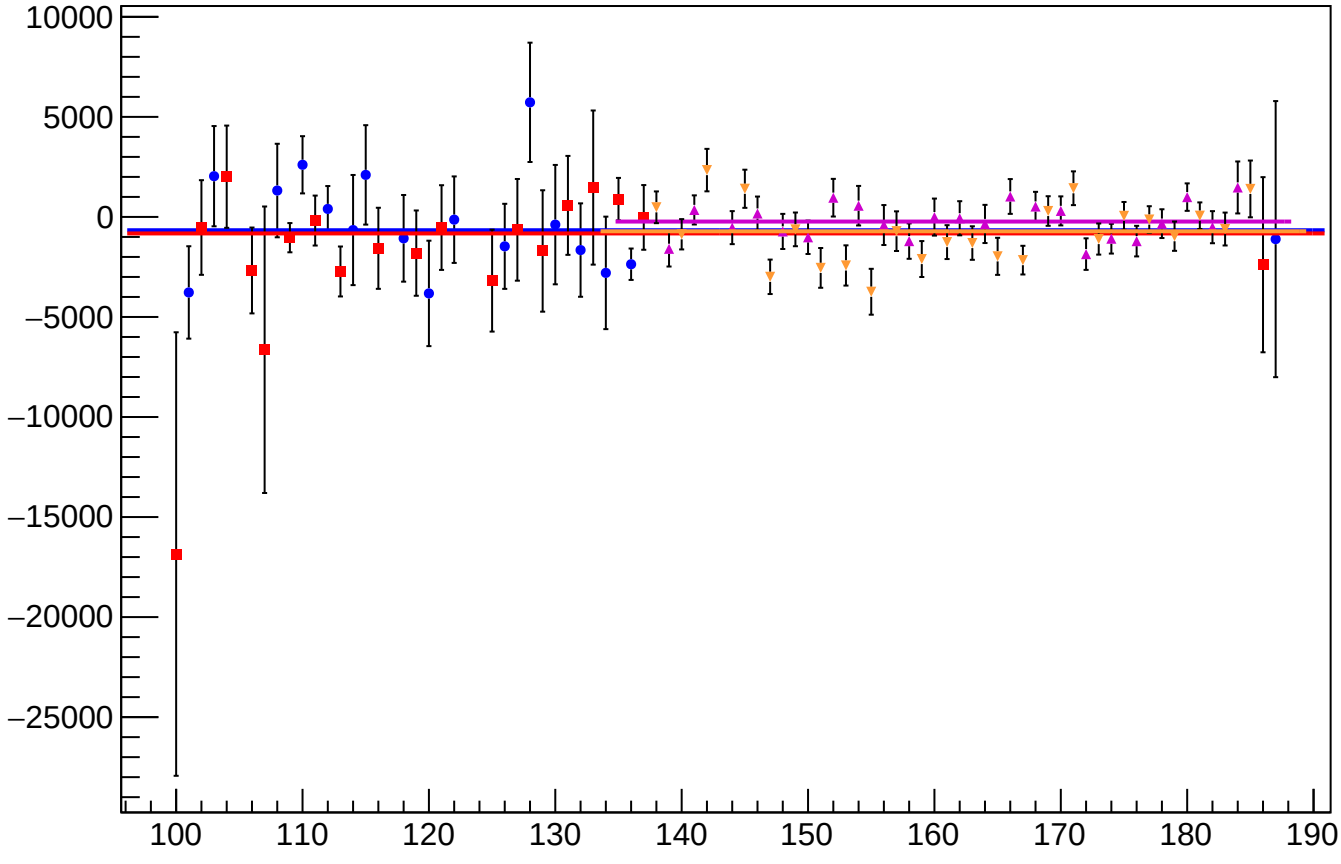
Right Out: 1844.817+/-0.476 χ^2/NDF: 130627.3/18

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.657+/-0.250 χ^2/NDF: 312788.8/40

All: 1797.610+/-0.177 χ^2/NDF: 467238.4/82

- sign 1799.571+/-0.250 χ^2/NDF: 154327.1/41



Right In: -665.344+/-444.975 χ^2/NDF: 22.8/16

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

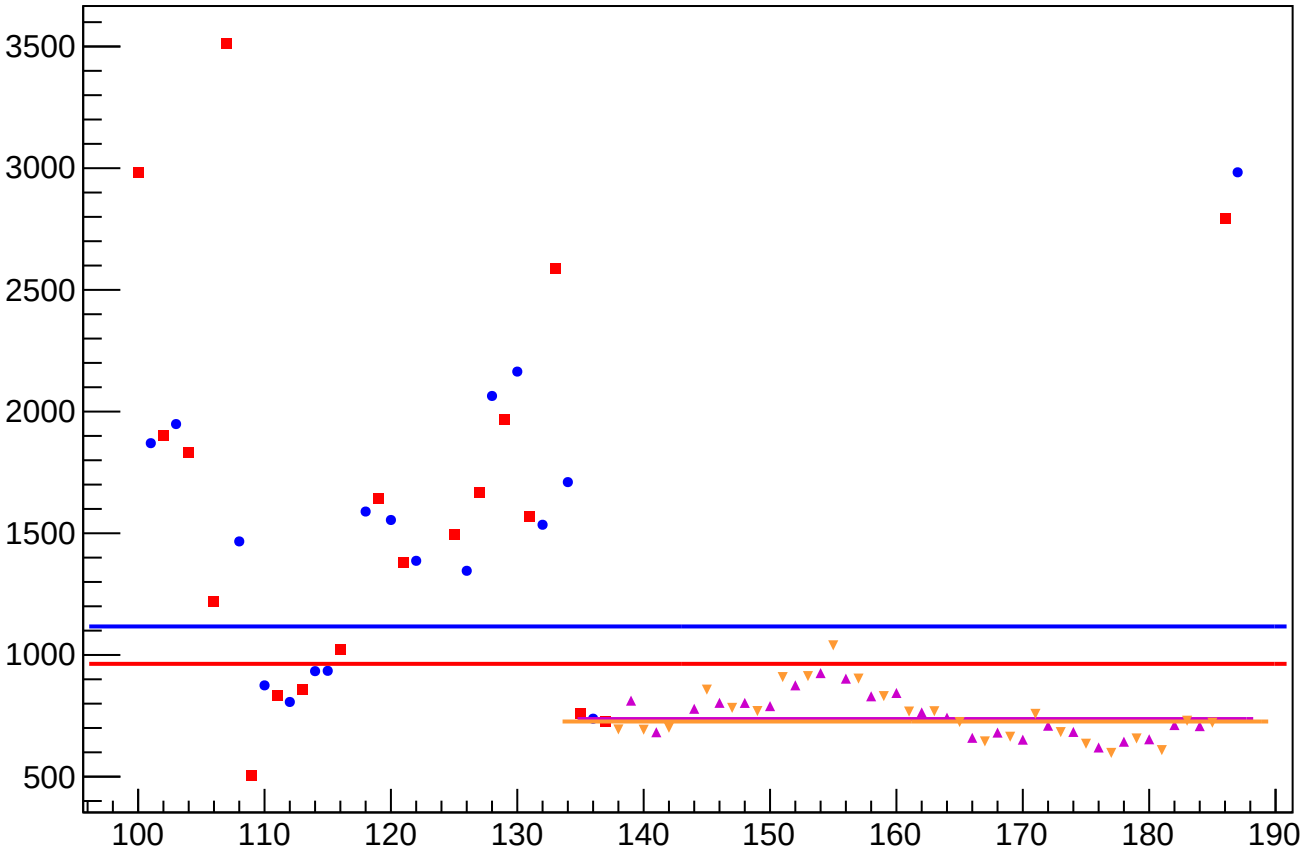
Right Out: -825.063+/-395.561 χ^2/NDF: 12.4/18

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -710.031+/-159.296 χ^2/NDF: 82.1/40

All: -517.994+/-112.477 χ^2/NDF: 123.4/82

- sign -327.058+/-158.839 χ^2/NDF: 38.4/41



Right In: 1117.156+/-0.315 χ^2/NDF: 2120257.6/16

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

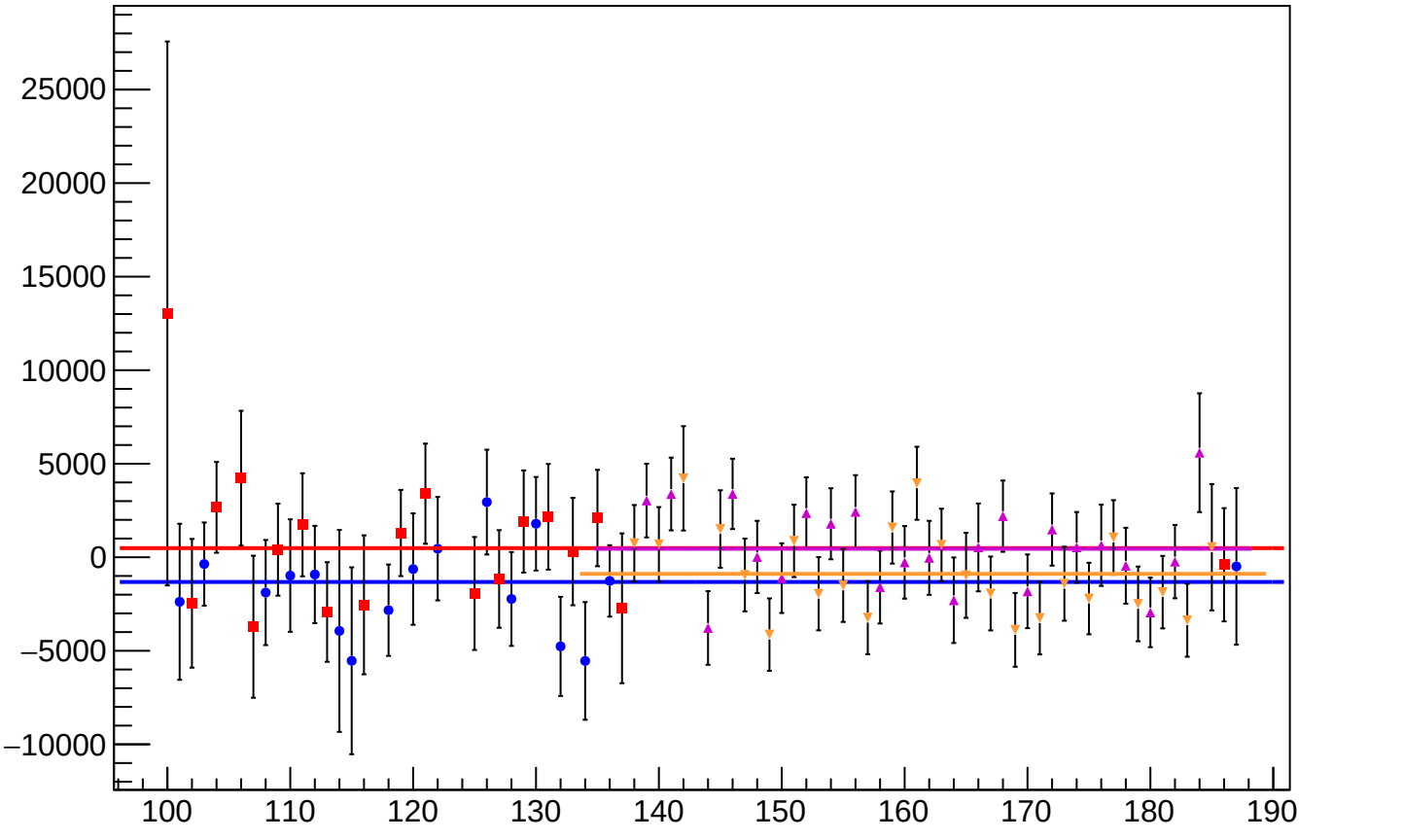
Right Out: 963.507+/-0.280 χ^2/NDF: 3406085.7/18

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 776.656+/-0.113 χ^2/NDF: 4148280.4/40

All: 774.963+/-0.080 χ^2/NDF: 8571319.0/82

- sign 773.279+/-0.112 χ^2/NDF: 4422588.0/41



Right In: -1321.307+/-681.719 χ^2/NDF: 9.7/16

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 487.857+/-673.629 χ^2/NDF: 11.2/18

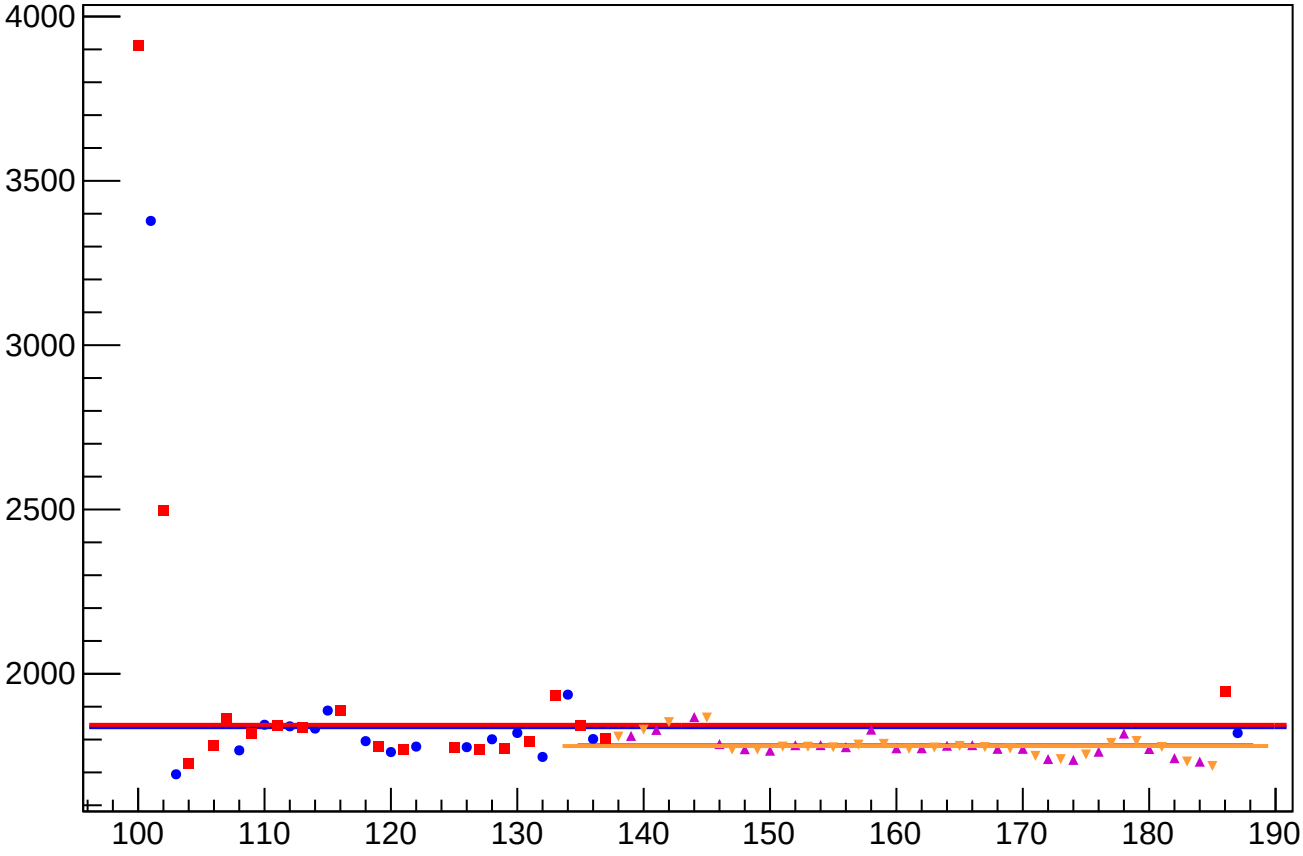
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -1003.223+/-353.376 χ^2/NDF: 38.1/40

All: -271.650+/-250.120 χ^2/NDF: 83.7/82

- sign 462.801+/-354.070 χ^2/NDF: 37.0/41

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1837.669+/-0.482 χ^2/NDF: 292021.9/16

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

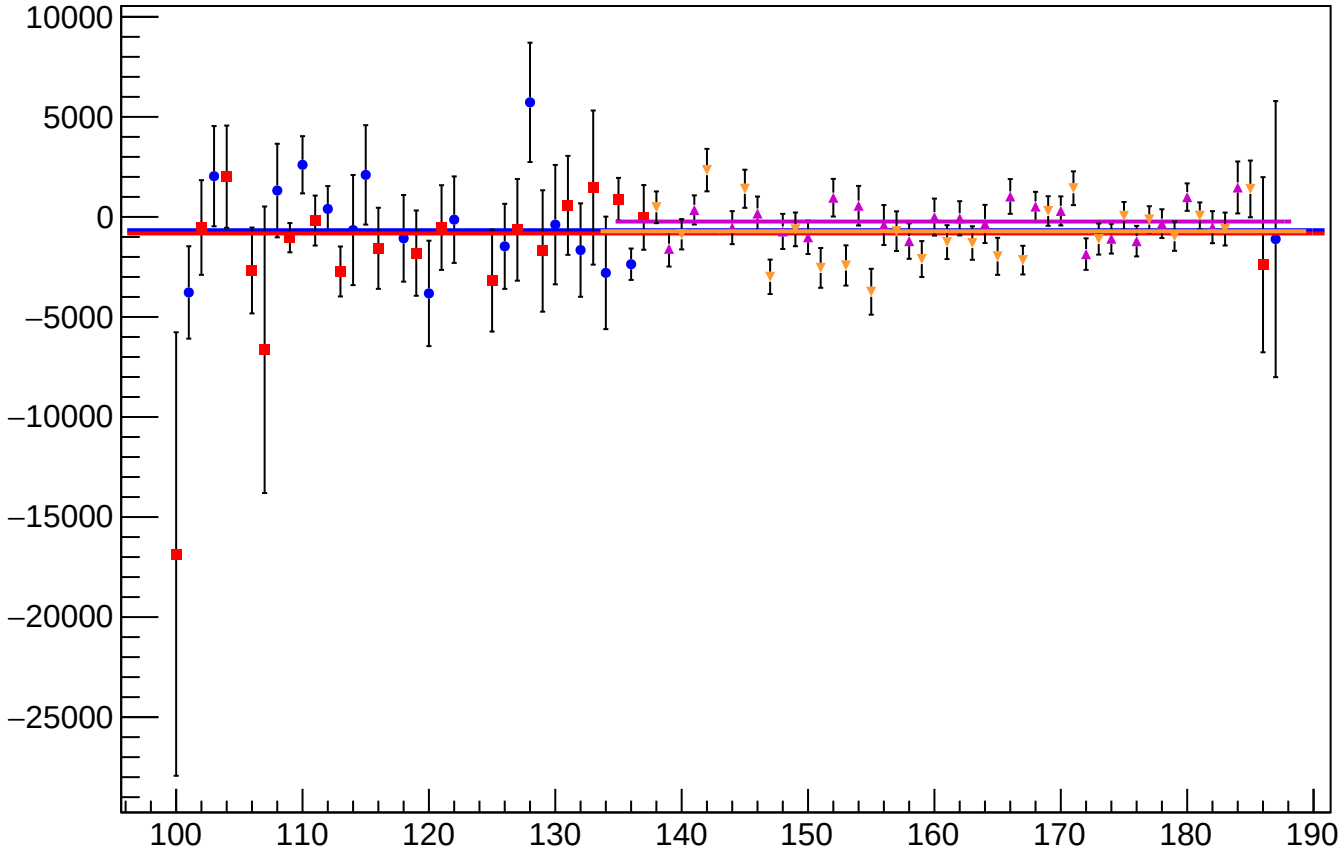
Right Out: 1844.817+/-0.476 χ^2/NDF: 130627.3/18

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1795.657+/-0.250 χ^2/NDF: 312788.9/40

All: 1797.610+/-0.177 χ^2/NDF: 467238.6/82

- sign 1799.570+/-0.250 χ^2/NDF: 154327.2/41



Right In: -665.330+/-444.976 χ^2/NDF: 22.8/16

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

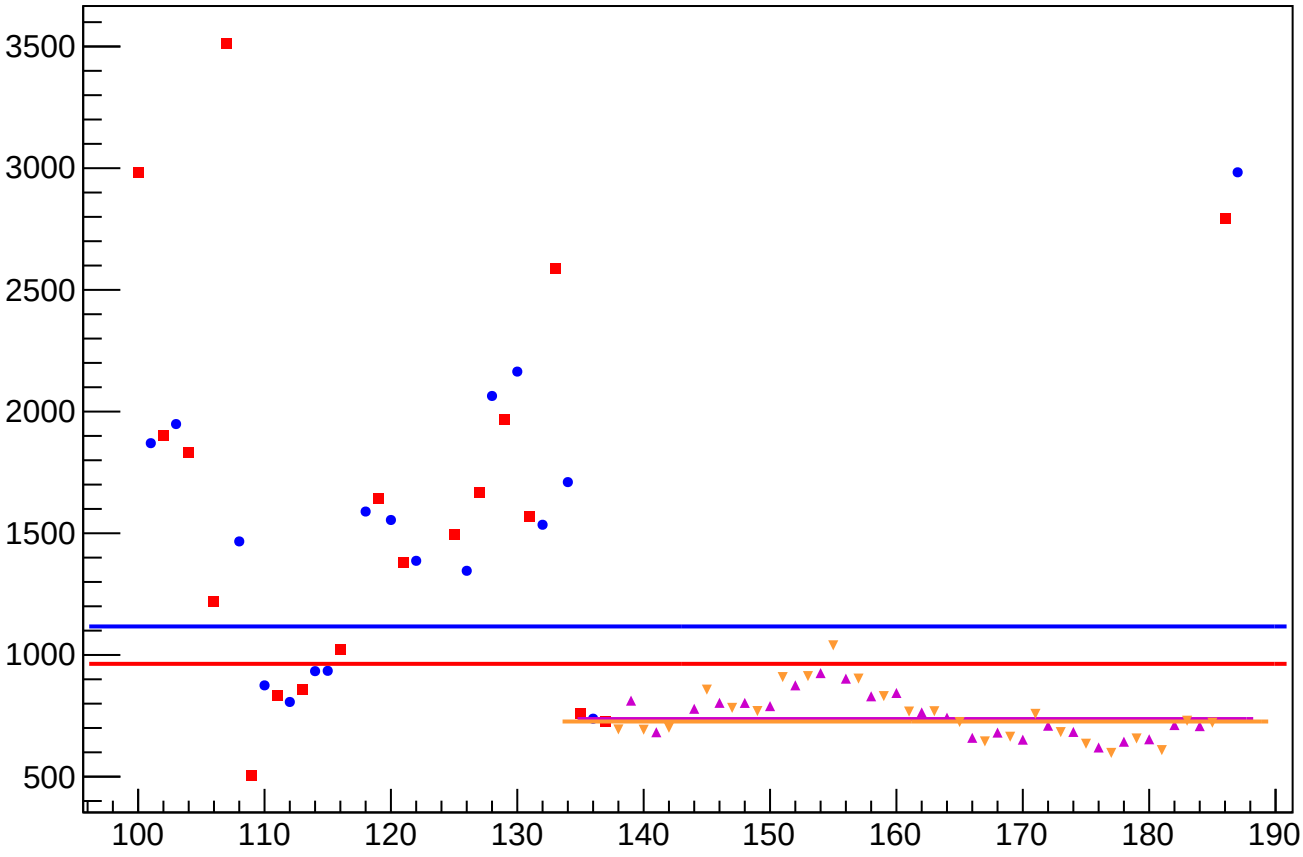
Right Out: -825.069+/-395.562 χ^2/NDF: 12.4/18

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -710.030+/-159.296 χ^2/NDF: 82.1/40

All: -517.993+/-112.477 χ^2/NDF: 123.4/82

- sign -327.057+/-158.839 χ^2/NDF: 38.4/41



Right In: 1117.158+/-0.315 χ^2/NDF: 2120217.7/16

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 963.509+/-0.280 χ^2/NDF: 3406058.1/18

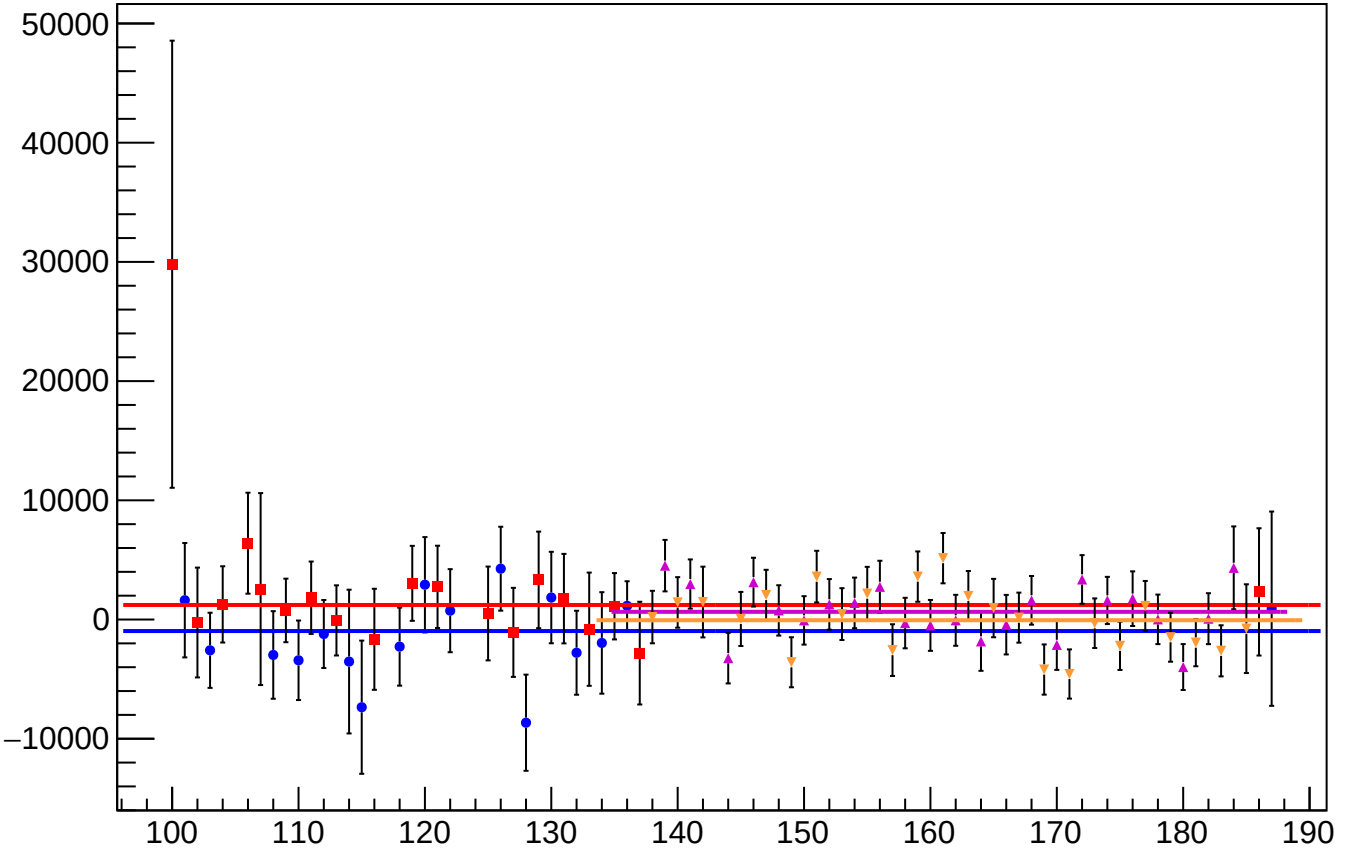
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

\+ sign 776.656+/-0.113 χ^2/NDF: 4148252.4/40

All: 774.963+/-0.080 χ^2/NDF: 8571288.7/82

\- sign 773.279+/-0.112 χ^2/NDF: 4422585.5/41

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -965.972+/-868.859 χ^2/NDF: 12.0/16

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1221.346+/-859.089 χ^2/NDF: 7.0/18

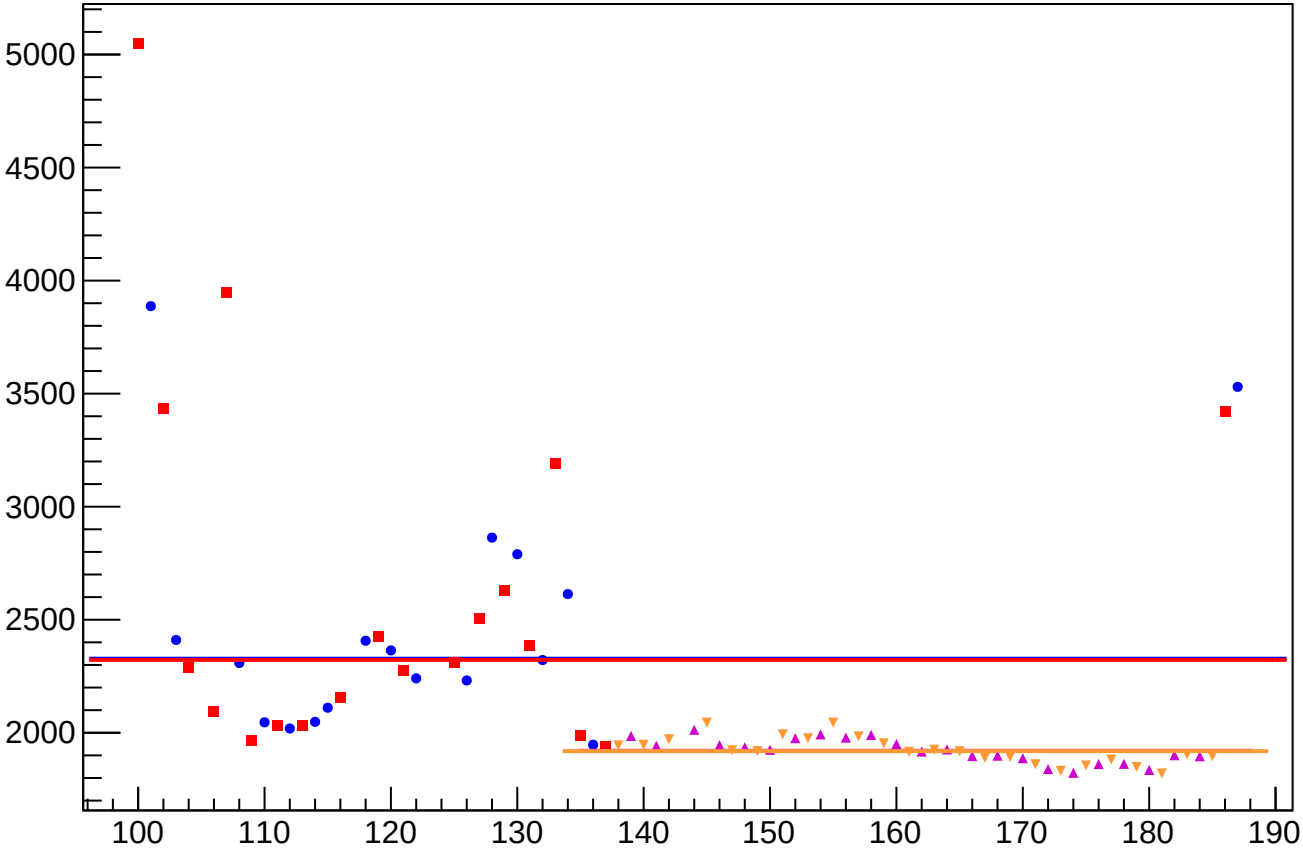
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -248.342+/-396.498 χ^2/NDF: 45.9/40

All: 259.385+/-280.758 χ^2/NDF: 80.2/82

- sign 769.957+/-397.607 χ^2/NDF: 31.0/41

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2327.566+/-0.614 χ^2/NDF: 446799.7/16

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

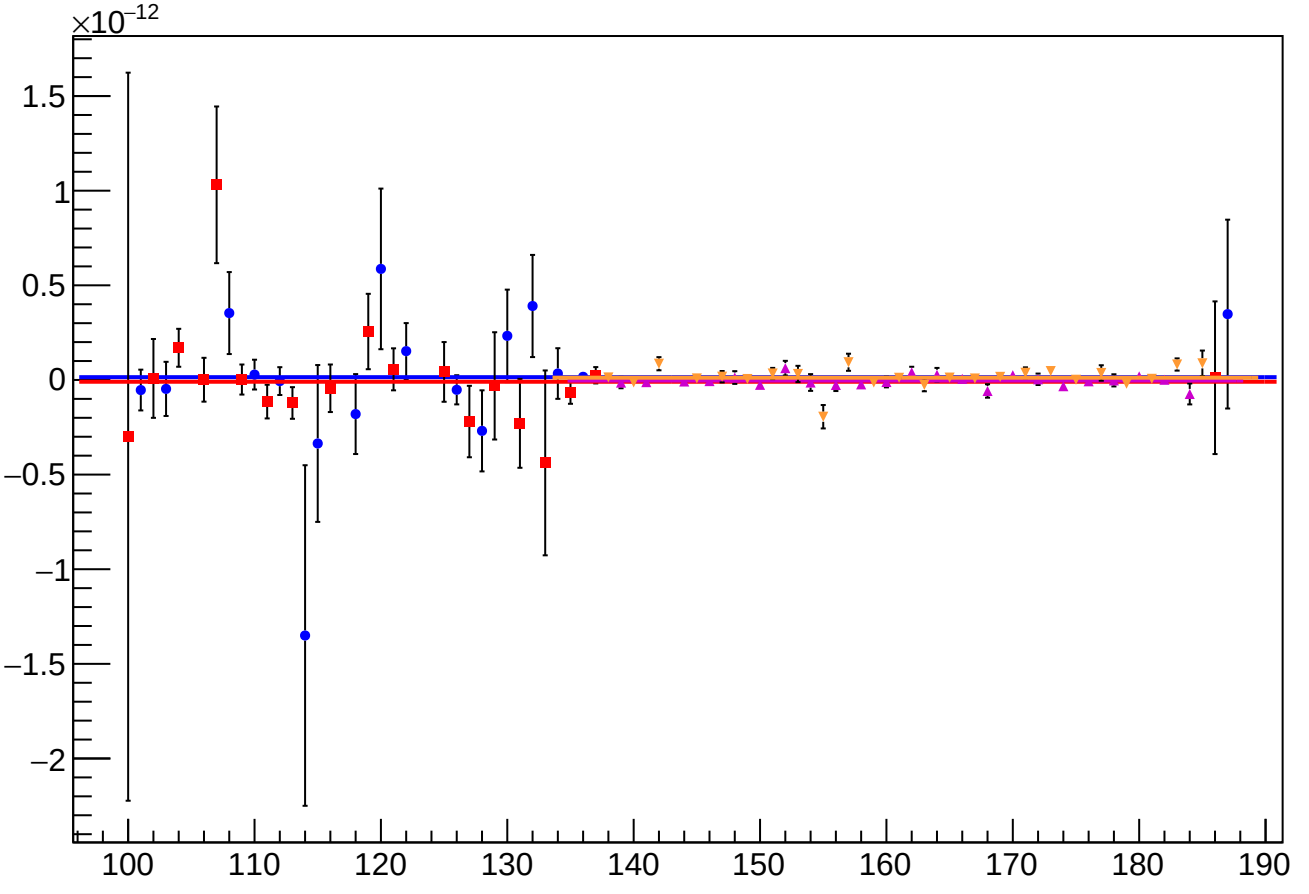
Right Out: 2322.448+/-0.607 χ^2/NDF: 539978.2/18

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2004.064+/-0.280 χ^2/NDF: 832559.9/40

All: 2005.217+/-0.199 χ^2/NDF: 1747011.6/82

- sign 2006.376+/-0.281 χ^2/NDF: 914417.8/41



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

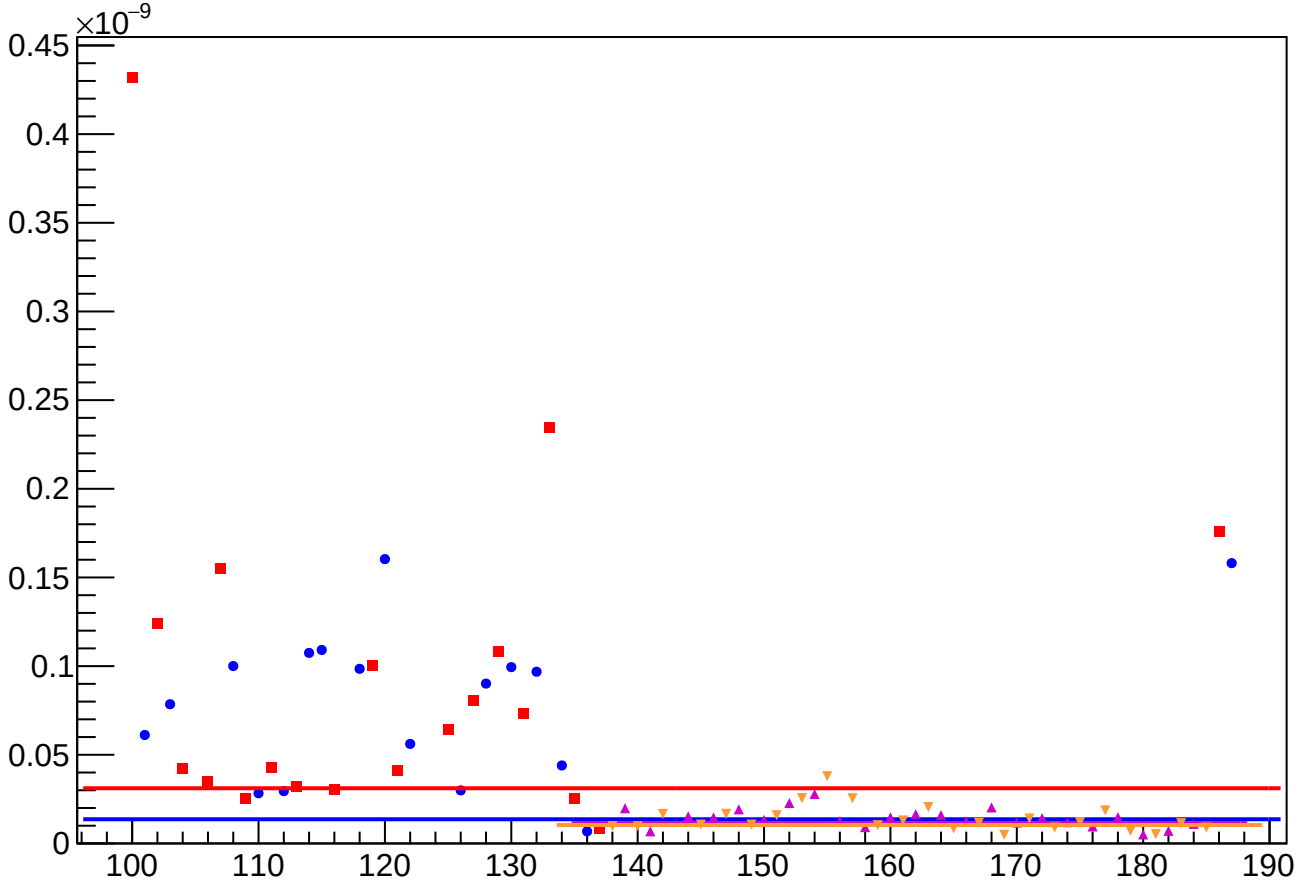
Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/18

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.5/40

All: 0.000+/-0.000 χ^2/NDF: 98.1/82

- sign -0.000+/-0.000 χ^2/NDF: 39.1/41



Right In: 0.000+/-0.000 χ^2/NDF: 3583894.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

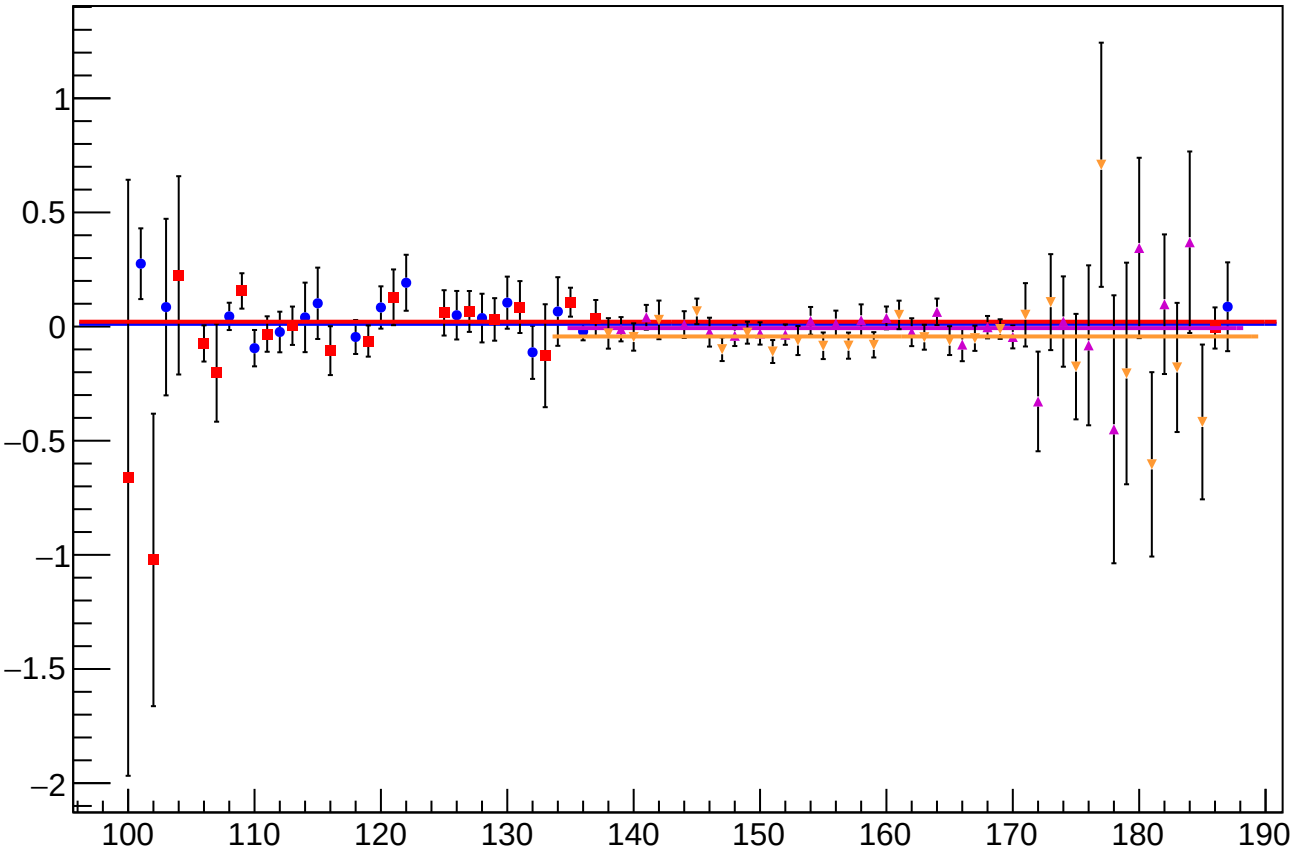
Right Out: 0.000+/-0.000 χ^2/NDF: 2608419.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5754655.8/40

All: 0.000+/-0.000 χ^2/NDF: 11645629.5/82

- sign 0.000+/-0.000 χ^2/NDF: 5783624.7/41



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

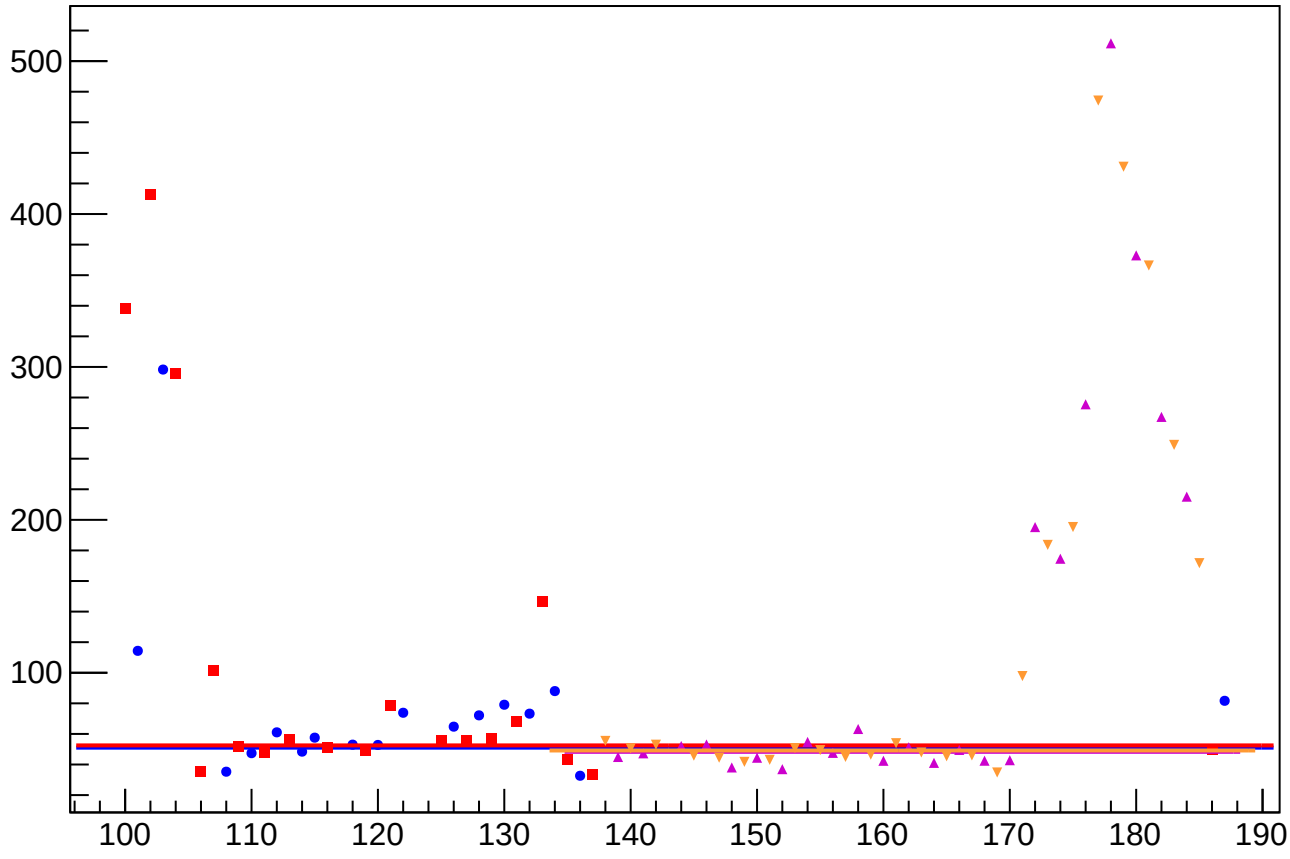
Right Out: 0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 35.3/40

All: -0.013+/-0.008 χ^2/NDF: 66.7/82

- sign 0.001+/-0.012 χ^2/NDF: 28.5/41



Right In: 51.032+/-0.015 χ^2/NDF: 2316646.8/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

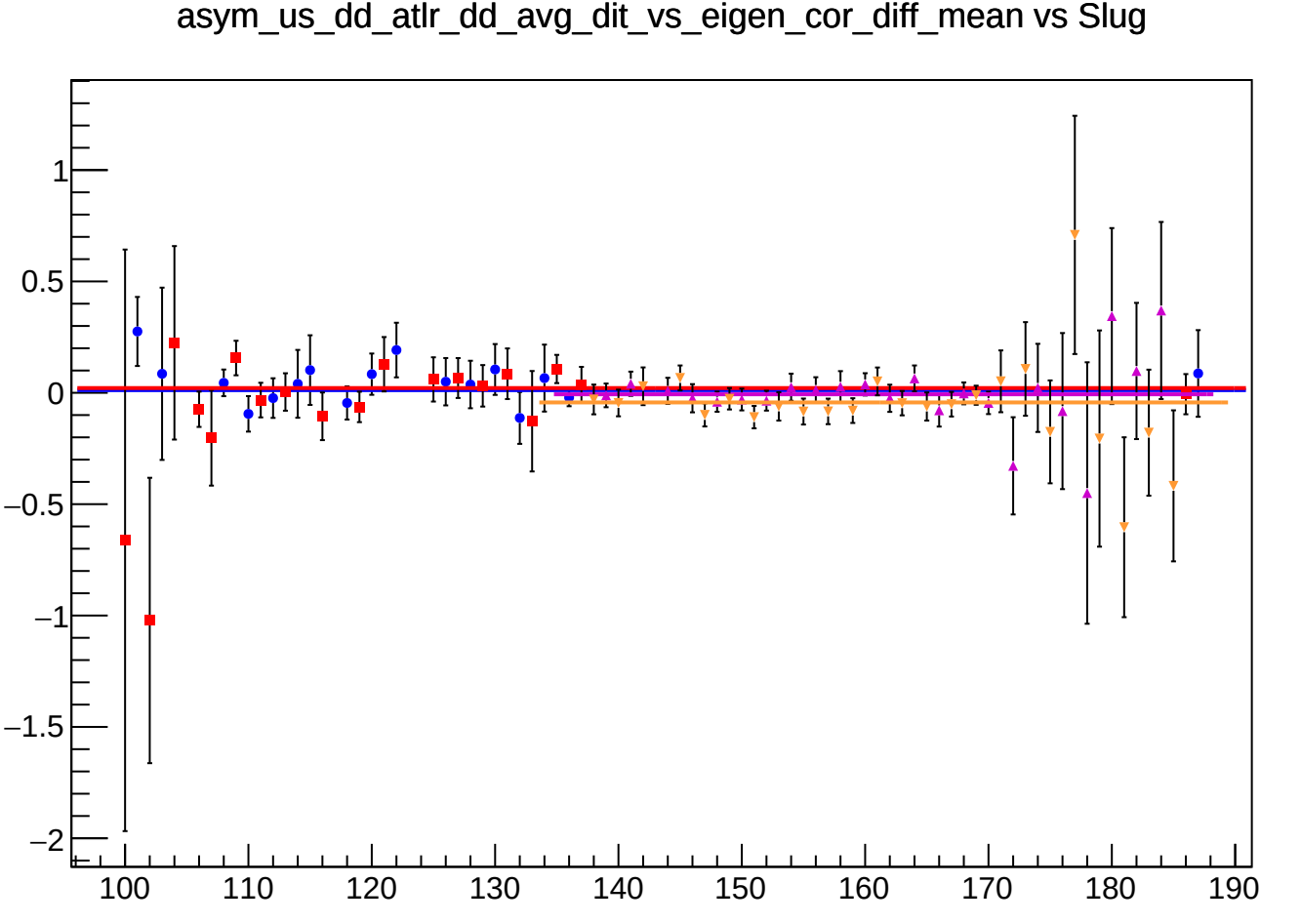
Right Out: 52.497+/-0.016 χ^2/NDF: 2213680.9/18

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 49.718+/-0.008 χ^2/NDF: 9577044.9/40

All: 49.571+/-0.006 χ^2/NDF: 18883336.9/82

- sign 49.427+/-0.008 χ^2/NDF: 9305666.3/41



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

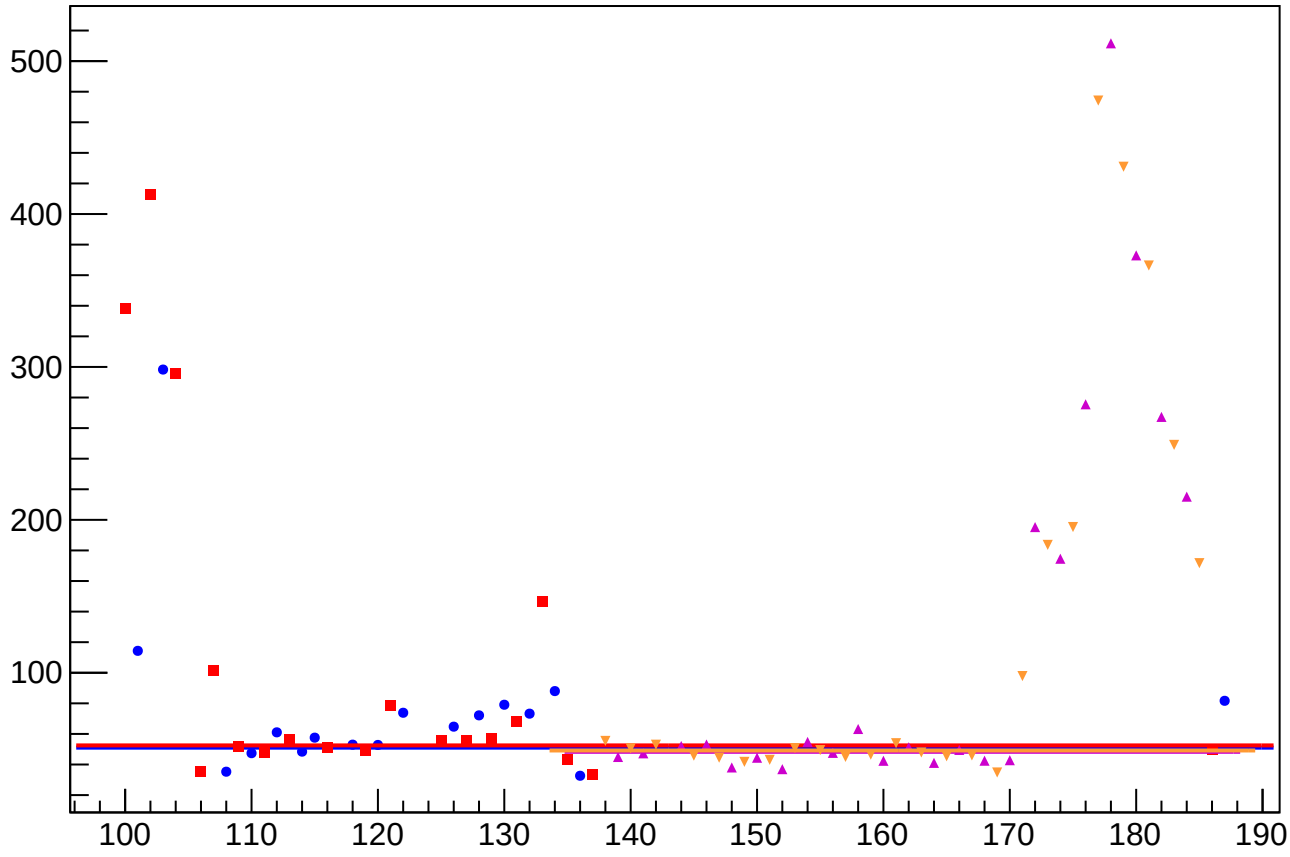
Right Out: 0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 35.3/40

All: -0.013+/-0.008 χ^2/NDF: 66.7/82

- sign 0.001+/-0.012 χ^2/NDF: 28.5/41



Right In: 51.032+/-0.015 χ^2/NDF: 2316646.8/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

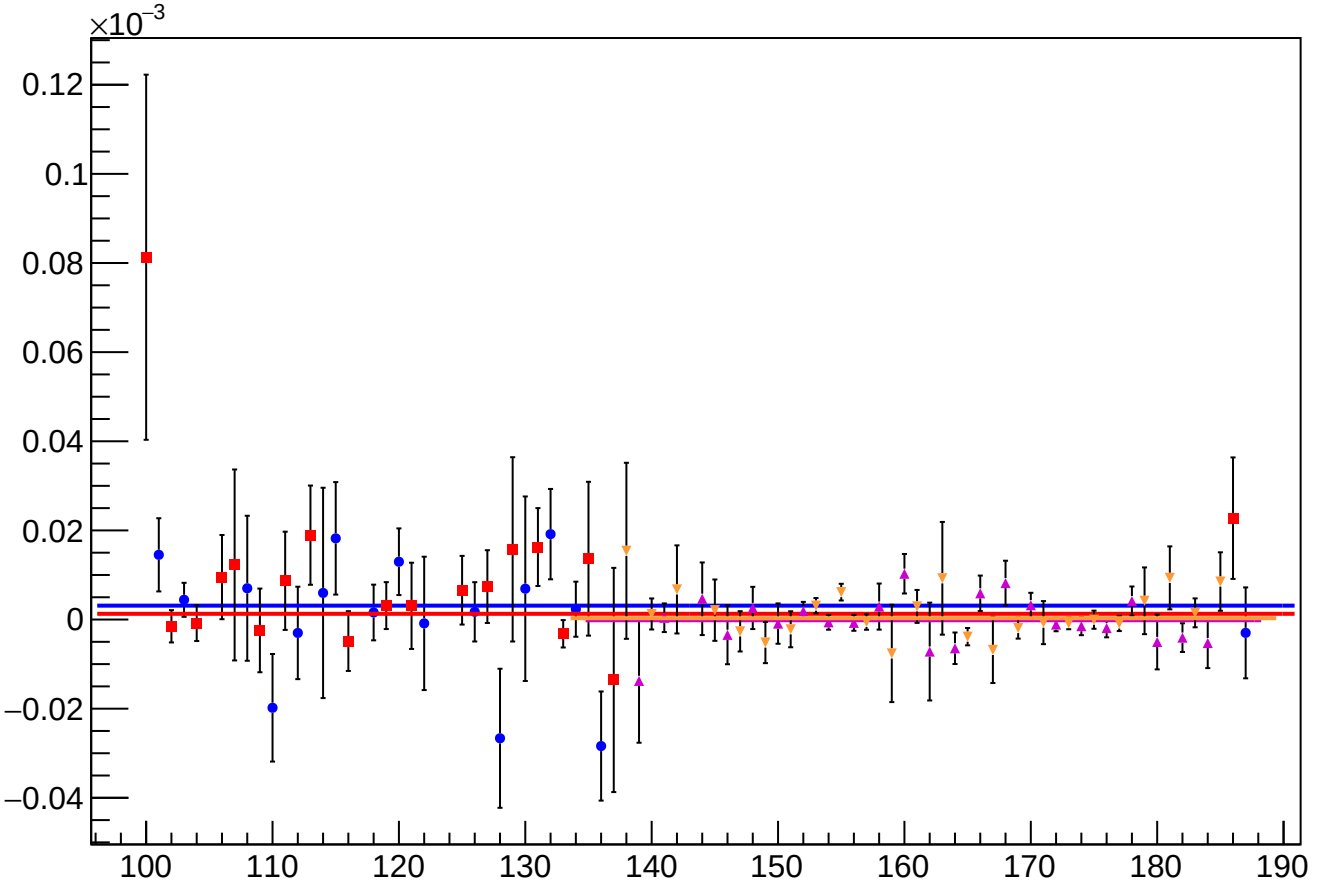
Right Out: 52.497+/-0.016 χ^2/NDF: 2213680.9/18

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 49.718+/-0.008 χ^2/NDF: 9577044.9/40

All: 49.571+/-0.006 χ^2/NDF: 18883336.9/82

- sign 49.427+/-0.008 χ^2/NDF: 9305666.3/41



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

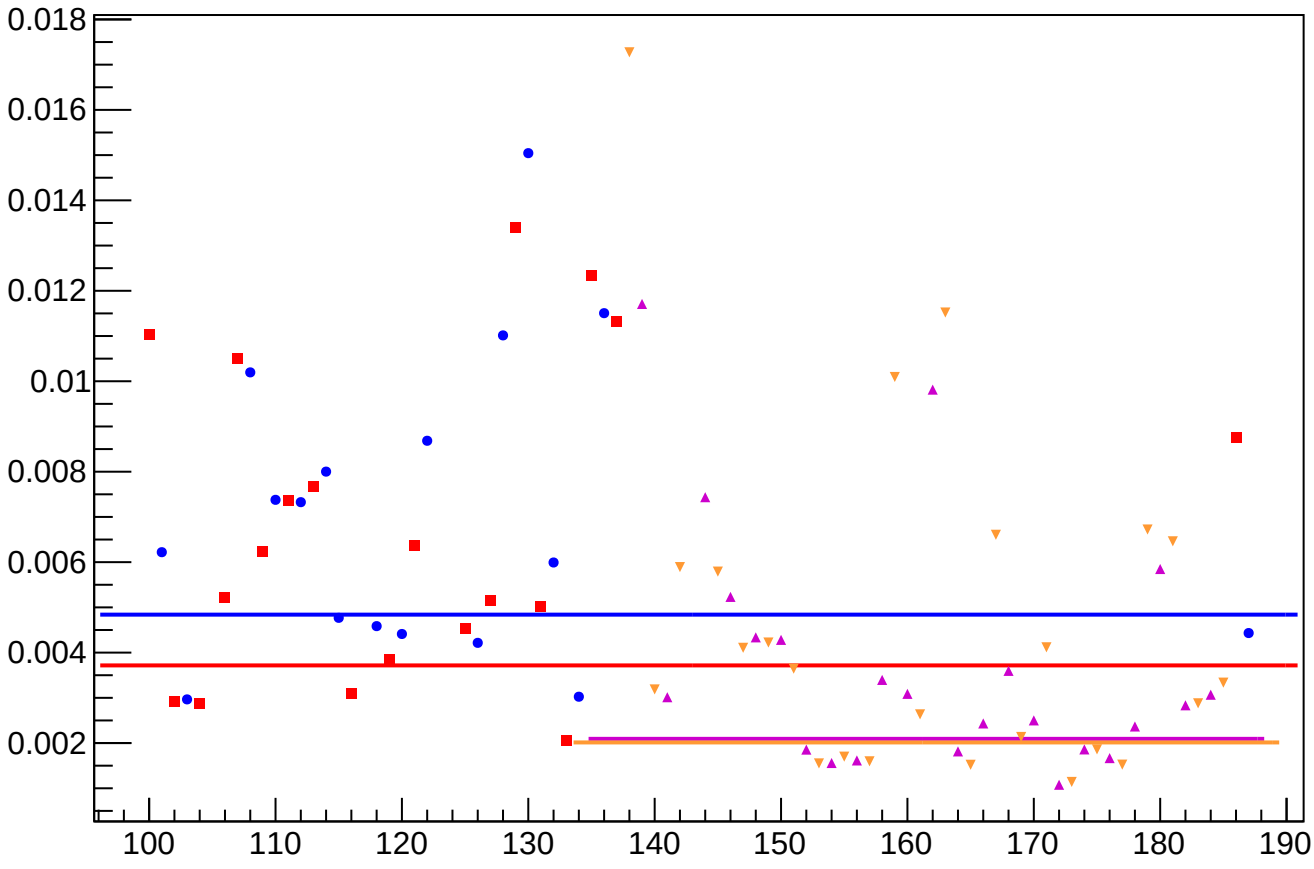
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.2/40

All: 0.000+/-0.000 χ^2/NDF: 99.3/82

- sign 0.000+/-0.000 χ^2/NDF: 45.8/41



Right In: 0.005+/-0.000 χ^2/NDF: 2748408.9/16

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

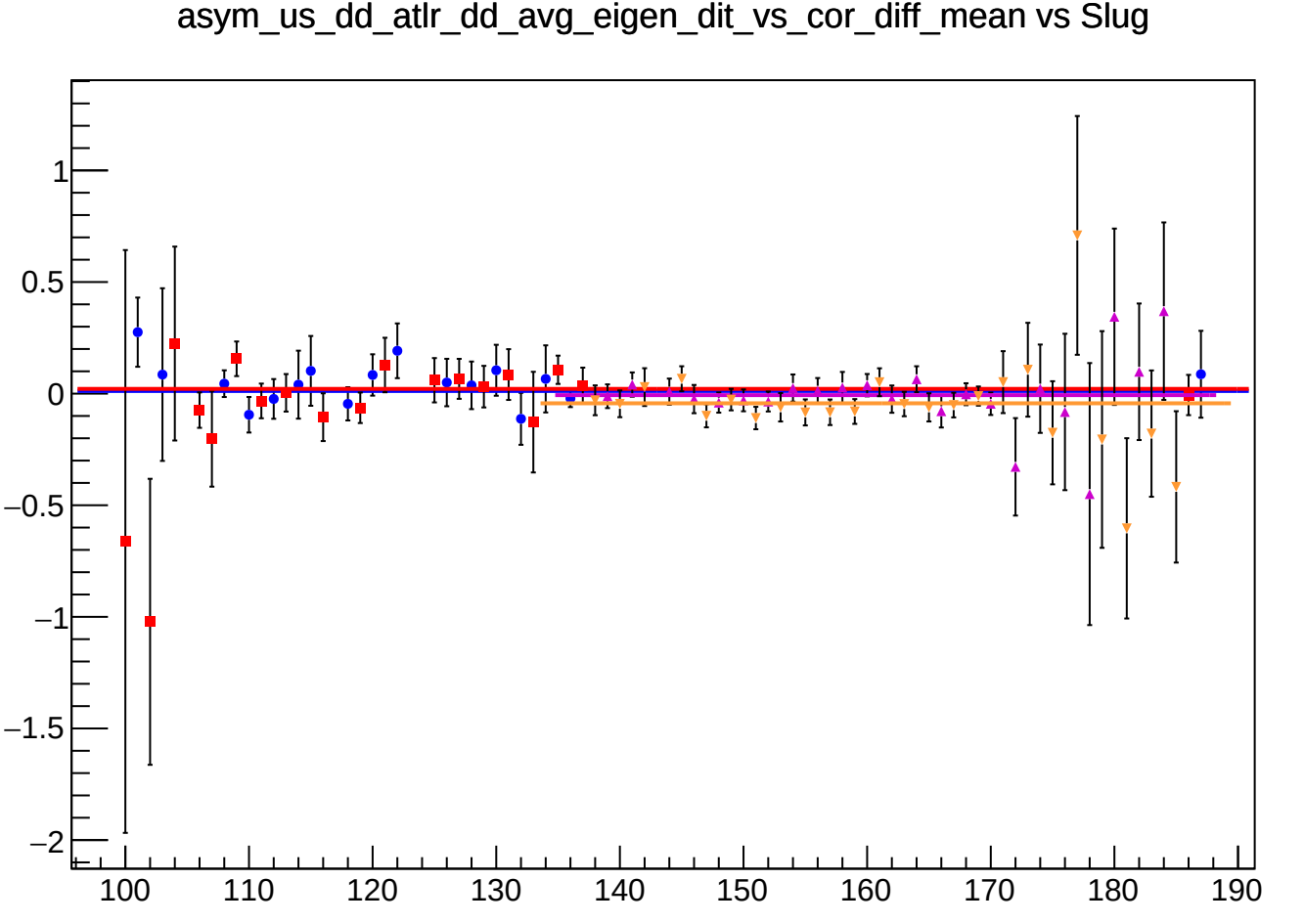
Right Out: 0.004+/-0.000 χ^2/NDF: 3385143.2/18

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 16580631.4/40

All: 0.002+/-0.000 χ^2/NDF: 29024094.3/82

- sign 0.002+/-0.000 χ^2/NDF: 12416198.0/41



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

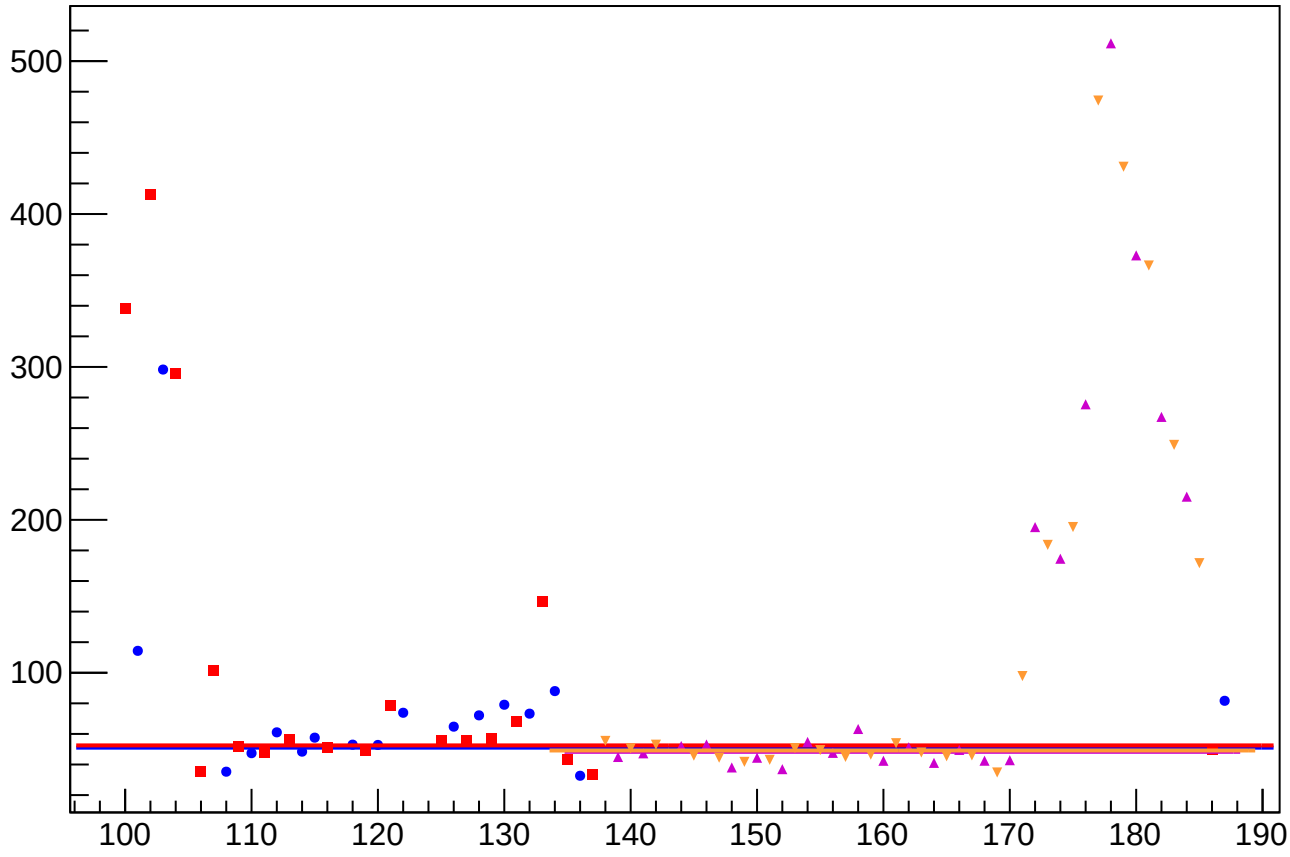
Right Out: 0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 35.3/40

All: -0.013+/-0.008 χ^2/NDF: 66.7/82

- sign 0.001+/-0.012 χ^2/NDF: 28.5/41



Right In: 51.033+/-0.015 χ^2/NDF: 2316555.0/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

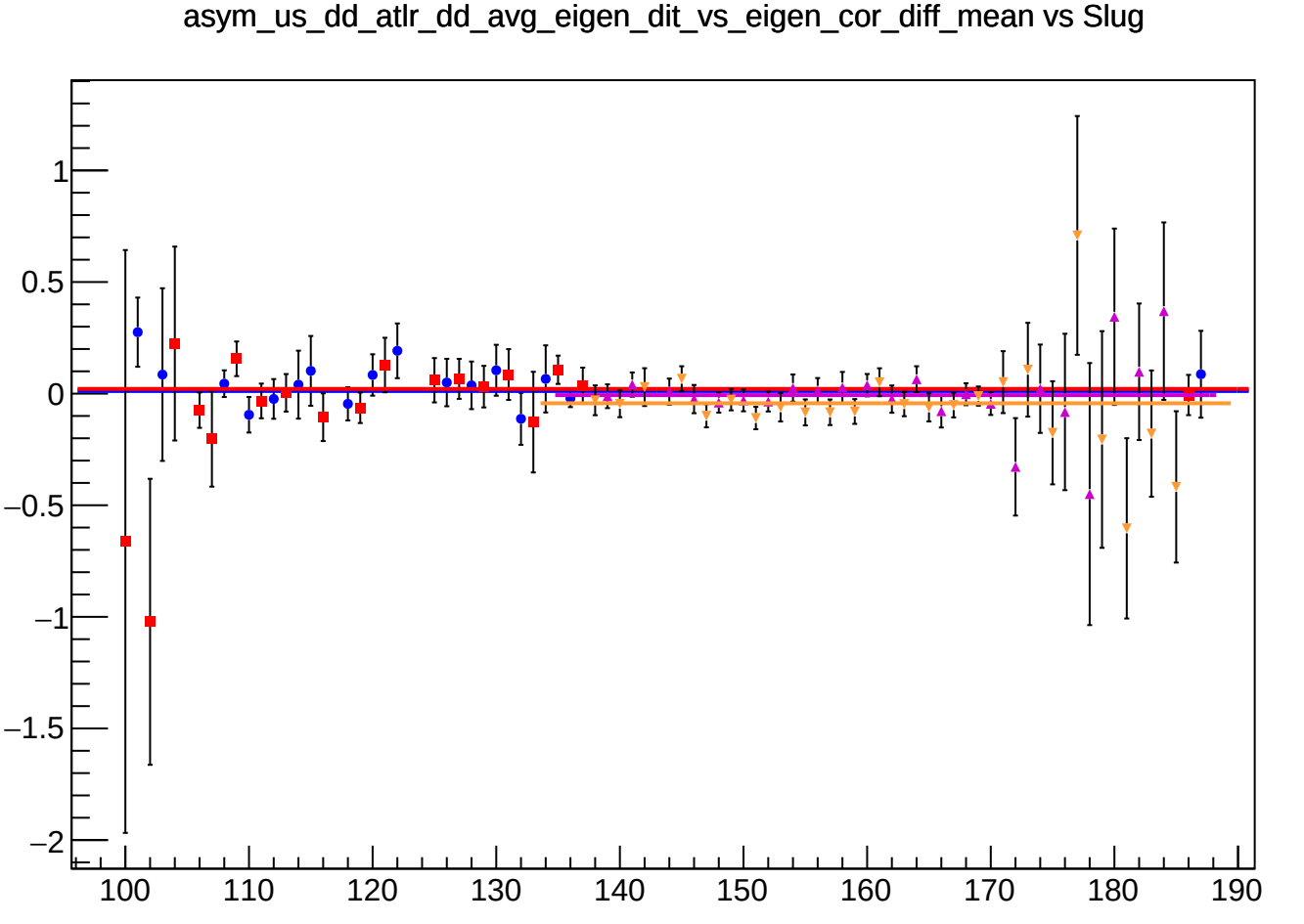
Right Out: 52.497+/-0.016 χ^2/NDF: 2213570.1/18

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 49.718+/-0.008 χ^2/NDF: 9576972.2/40

All: 49.571+/-0.006 χ^2/NDF: 18883079.6/82

- sign 49.427+/-0.008 χ^2/NDF: 9305483.7/41



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

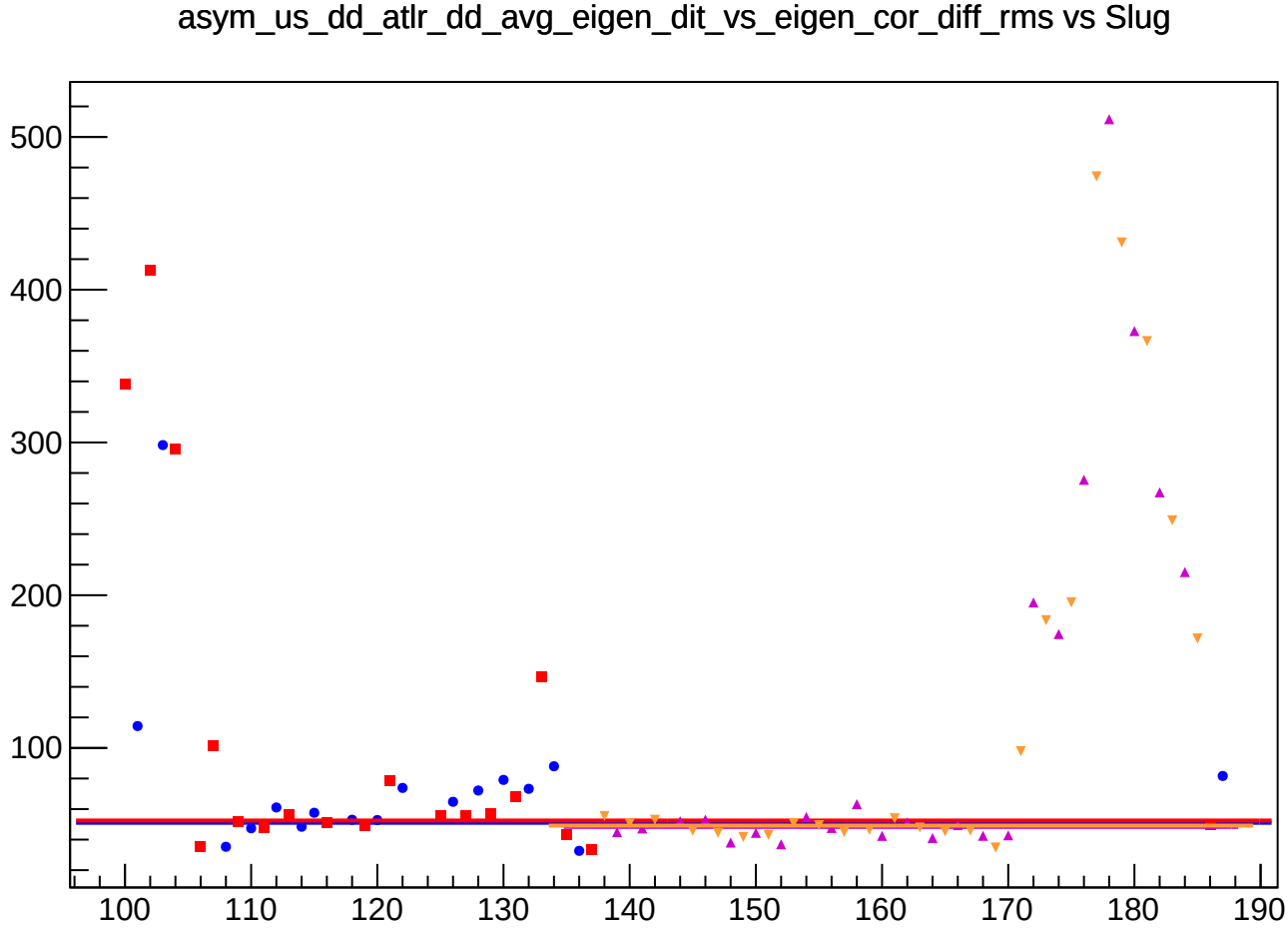
Right Out: 0.021+/-0.022 χ^2/NDF: 16.0/18

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.027+/-0.012 χ^2/NDF: 35.3/40

All: -0.013+/-0.008 χ^2/NDF: 66.7/82

- sign 0.001+/-0.012 χ^2/NDF: 28.5/41



Right In: 51.033+/-0.015 χ^2/NDF: 2316555.0/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

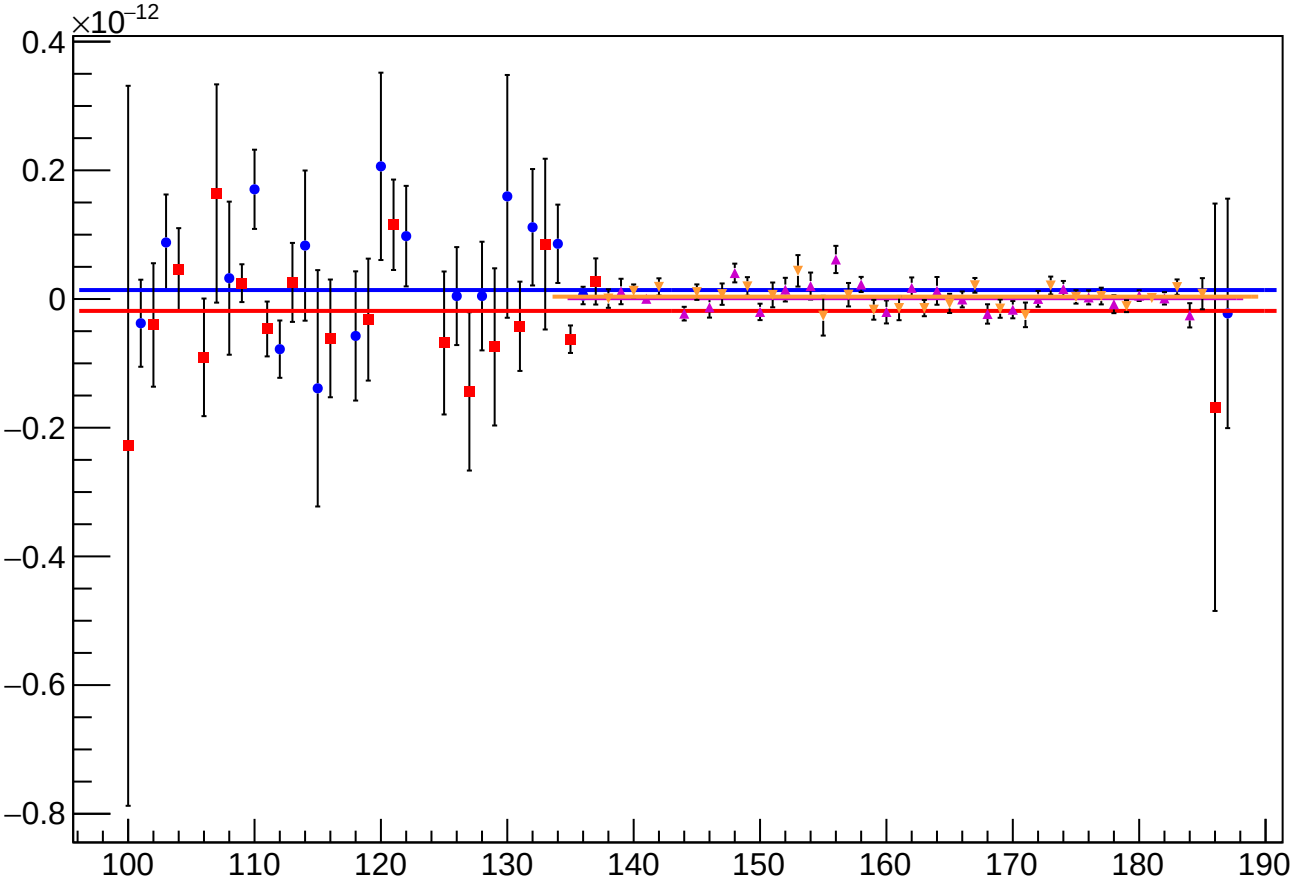
Right Out: 52.497+/-0.016 χ^2/NDF: 2213570.1/18

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

\+ sign 49.718+/-0.008 χ^2/NDF: 9576972.2/40

All: 49.571+/-0.006 χ^2/NDF: 18883079.6/82

\- sign 49.427+/-0.008 χ^2/NDF: 9305483.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

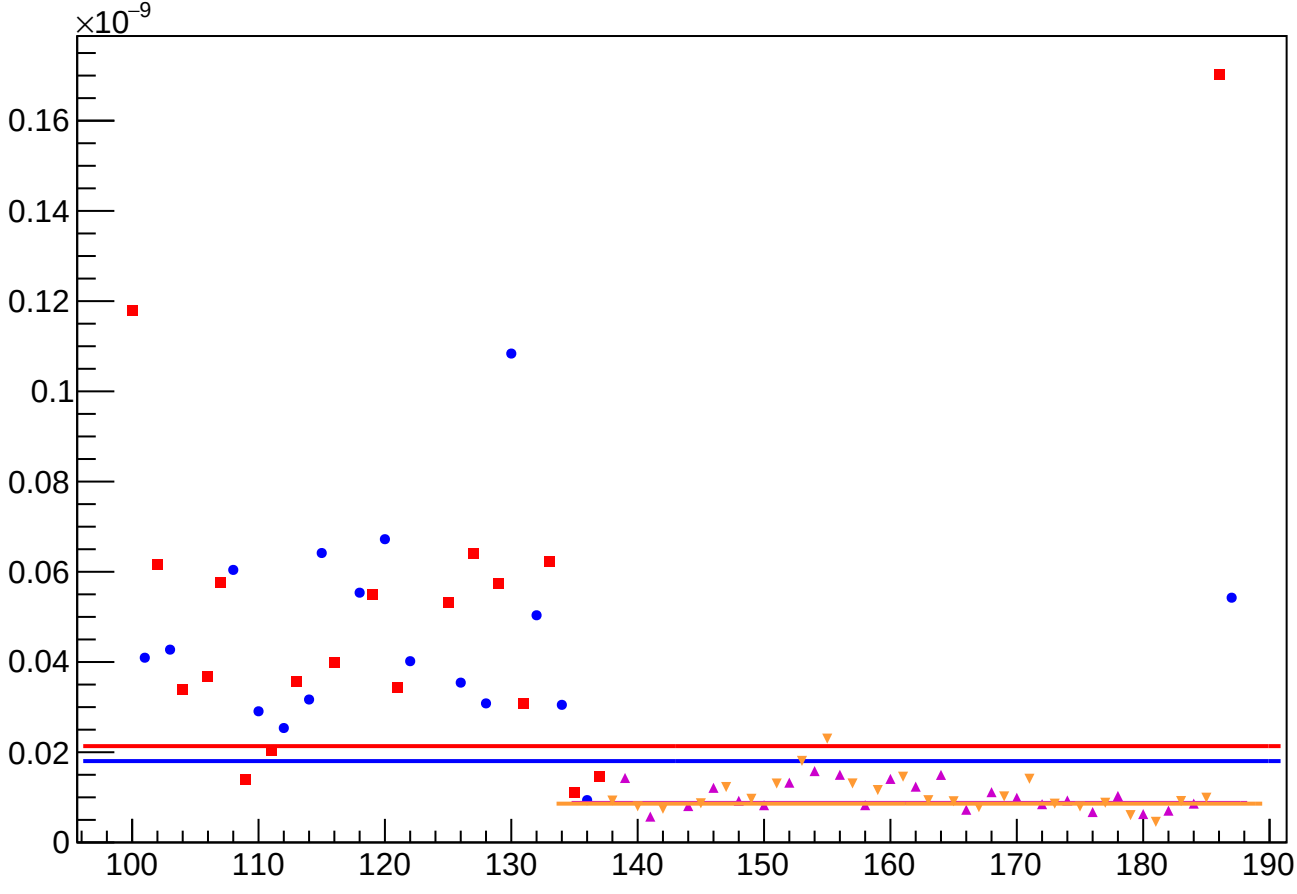
Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/40

All: 0.000+/-0.000 χ^2/NDF: 107.4/82

- sign 0.000+/-0.000 χ^2/NDF: 60.7/41



Right In: 0.000+/-0.000 χ^2/NDF: 3481378.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3064722.5/18

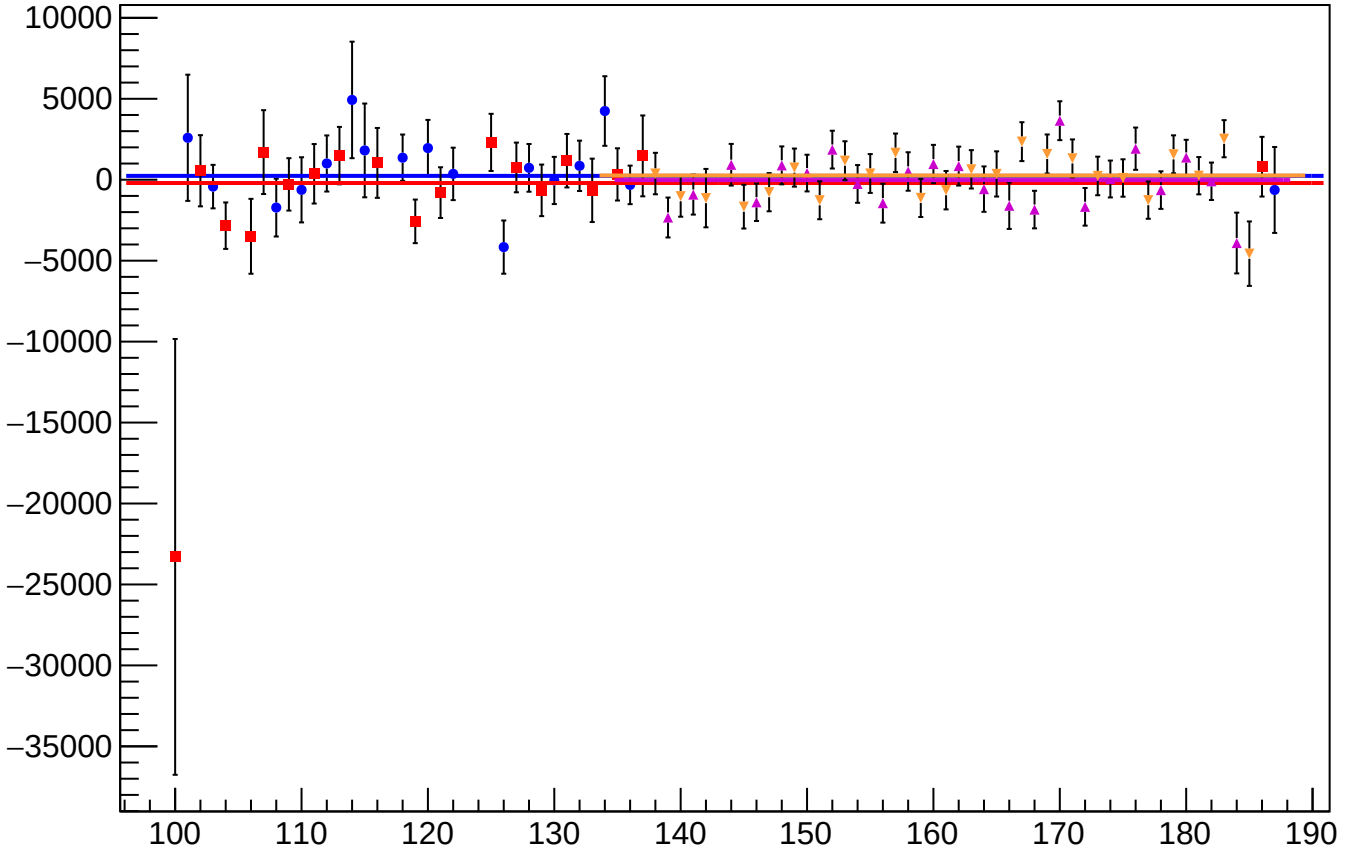
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7302581.6/40

All: 0.000+/-0.000 χ^2/NDF: 14261195.4/82

- sign 0.000+/-0.000 χ^2/NDF: 6951343.2/41

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 238.498+/-419.321 χ^2/NDF: 17.1/16

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -202.234+/-414.866 χ^2/NDF: 17.7/18

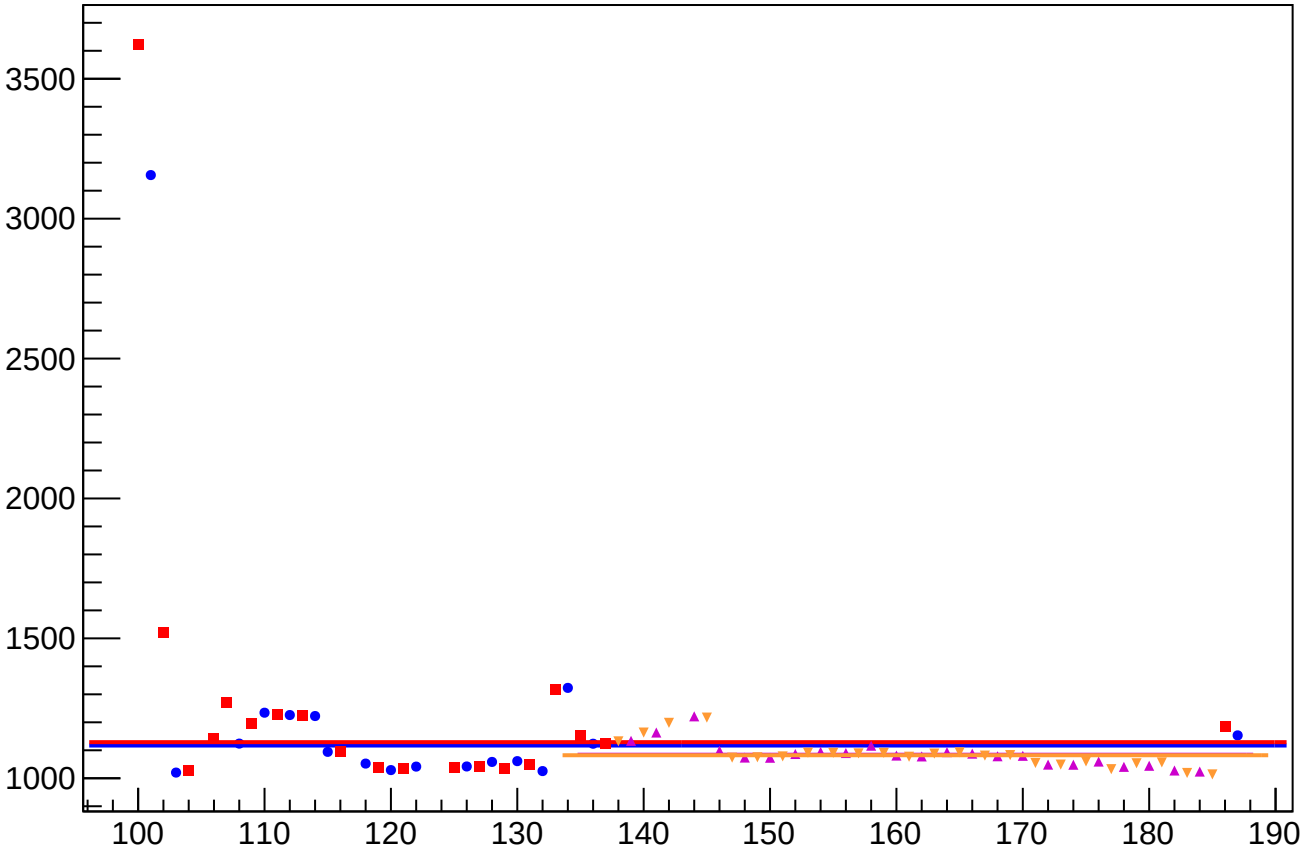
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 254.793+/-215.618 χ^2/NDF: 45.3/40

All: 92.233+/-152.673 χ^2/NDF: 100.0/82

- sign -71.220+/-216.209 χ^2/NDF: 53.6/41

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.018+/-0.297 χ^2/NDF: 623773.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

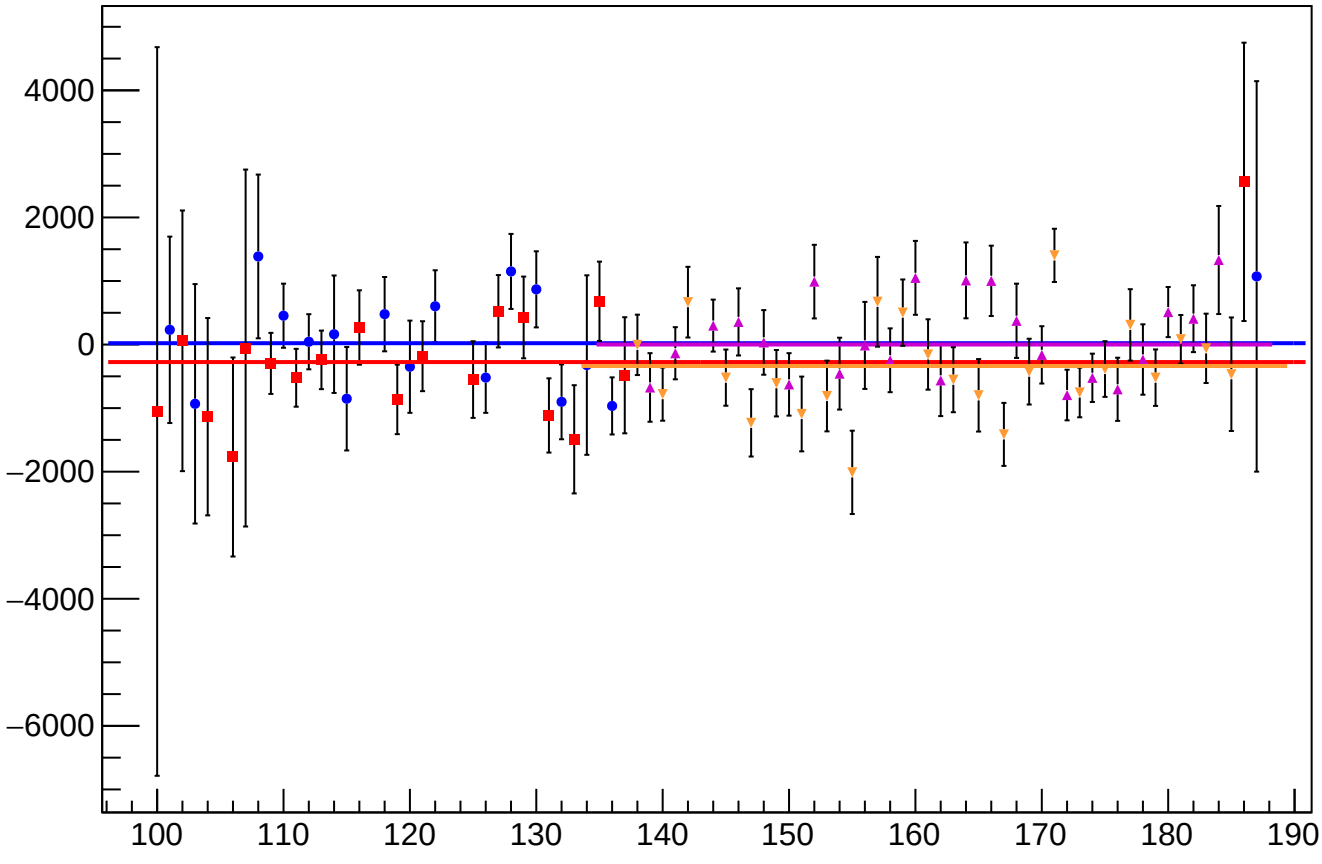
Right Out: 1129.058+/-0.293 χ^2/NDF: 224122.8/18

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1091.485+/-0.152 χ^2/NDF: 691727.6/40

All: 1093.915+/-0.108 χ^2/NDF: 986856.3/82

\- sign 1096.359+/-0.153 χ^2/NDF: 294619.3/41



Right In: 21.363+/-161.015 χ^2/NDF: 19.3/16

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

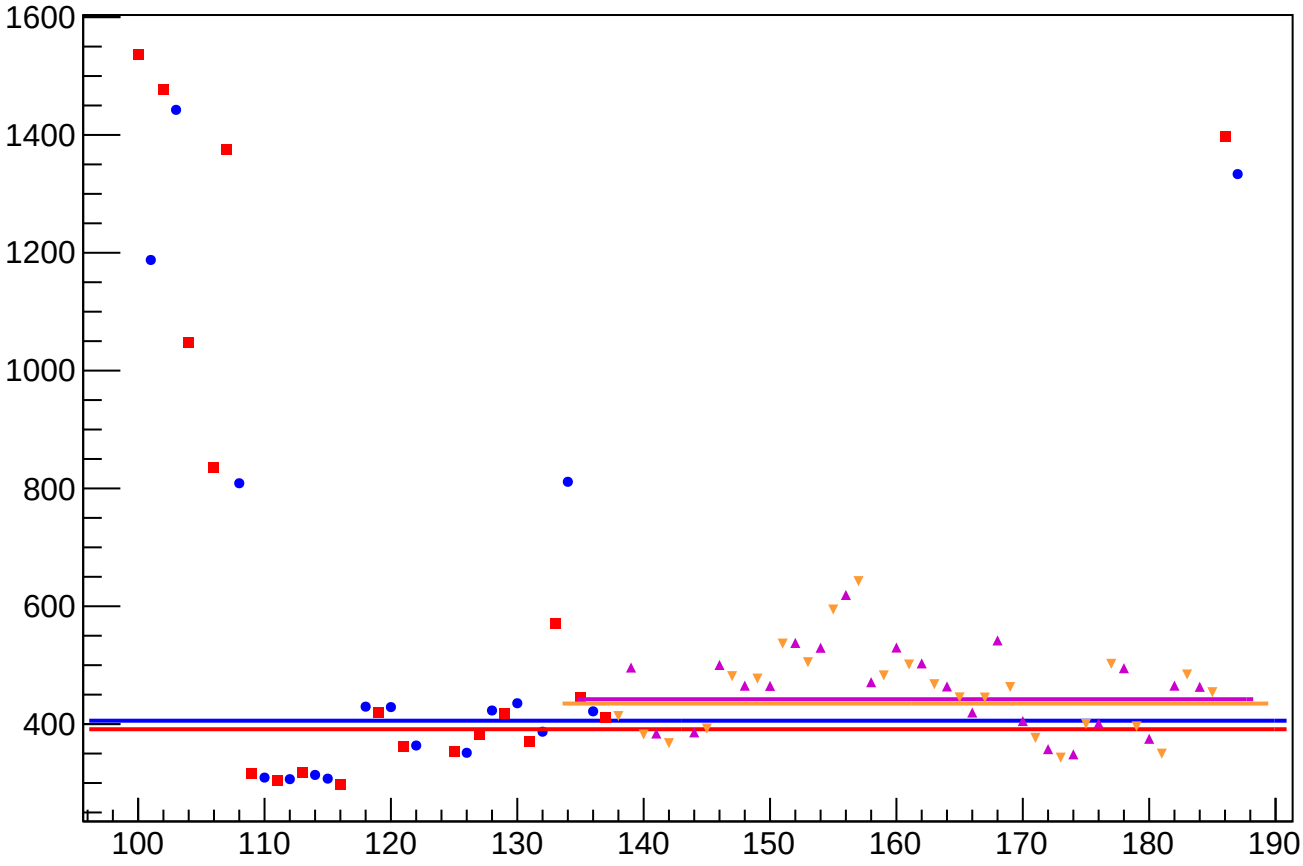
Right Out: -275.521+/-155.793 χ^2/NDF: 15.2/18

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -234.028+/-86.527 χ^2/NDF: 71.6/40

All: -160.040+/-61.322 χ^2/NDF: 122.3/82

- sign -85.382+/-86.918 χ^2/NDF: 49.2/41



Right In: 405.750+/-0.114 χ^2/NDF: 1991337.9/16

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 391.266+/-0.110 χ^2/NDF: 2183701.3/18

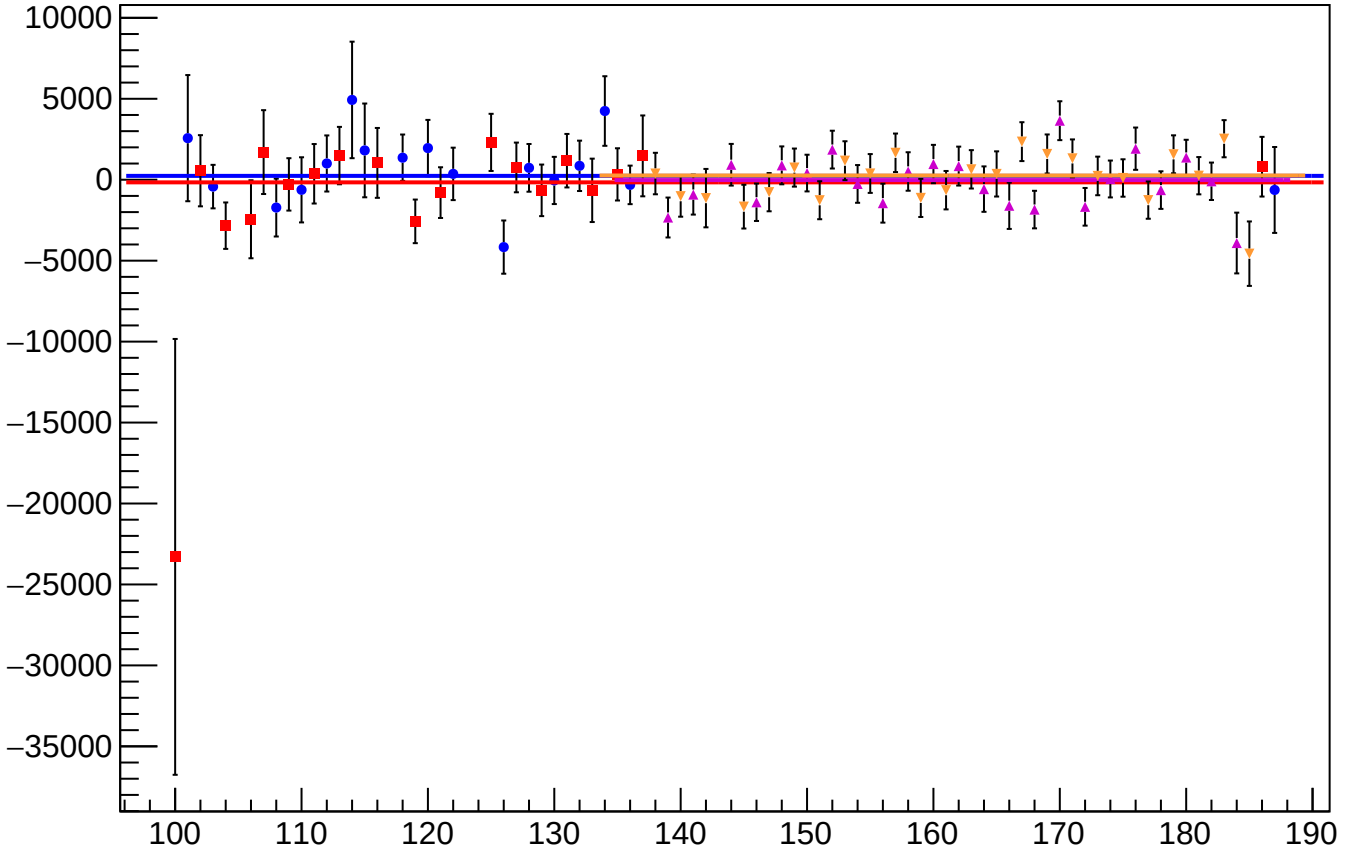
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 426.452+/-0.061 χ^2/NDF: 2916242.7/40

All: 426.402+/-0.043 χ^2/NDF: 6073200.7/82

- sign 426.352+/-0.061 χ^2/NDF: 3156956.6/41

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 238.132+/-419.321 χ^2/NDF: 17.0/16

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -162.776+/-415.381 χ^2/NDF: 16.5/18

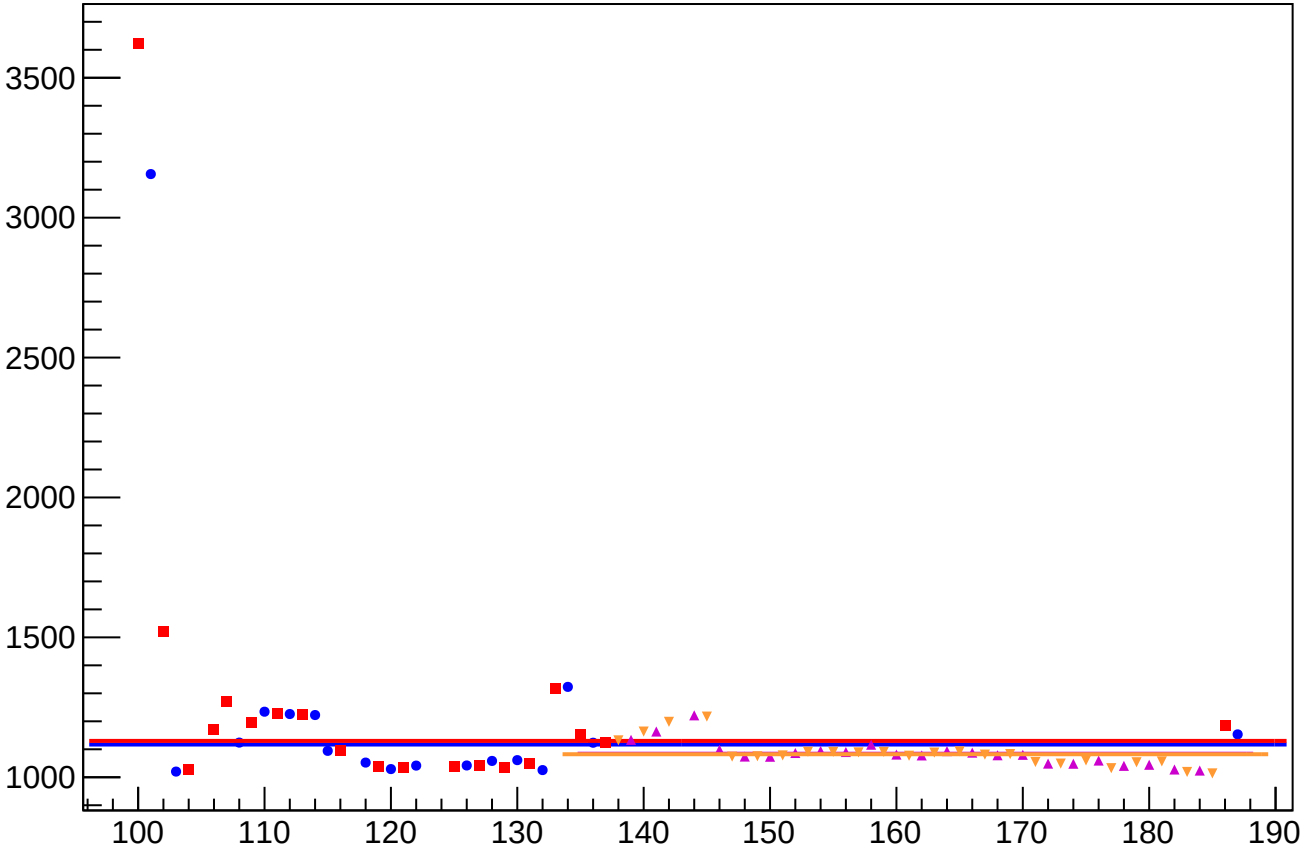
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 254.688+/-215.618 χ^2/NDF: 45.3/40

All: 97.614+/-152.699 χ^2/NDF: 98.7/82

- sign -60.430+/-216.282 χ^2/NDF: 52.4/41

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.018+/-0.297 χ^2/NDF: 623774.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

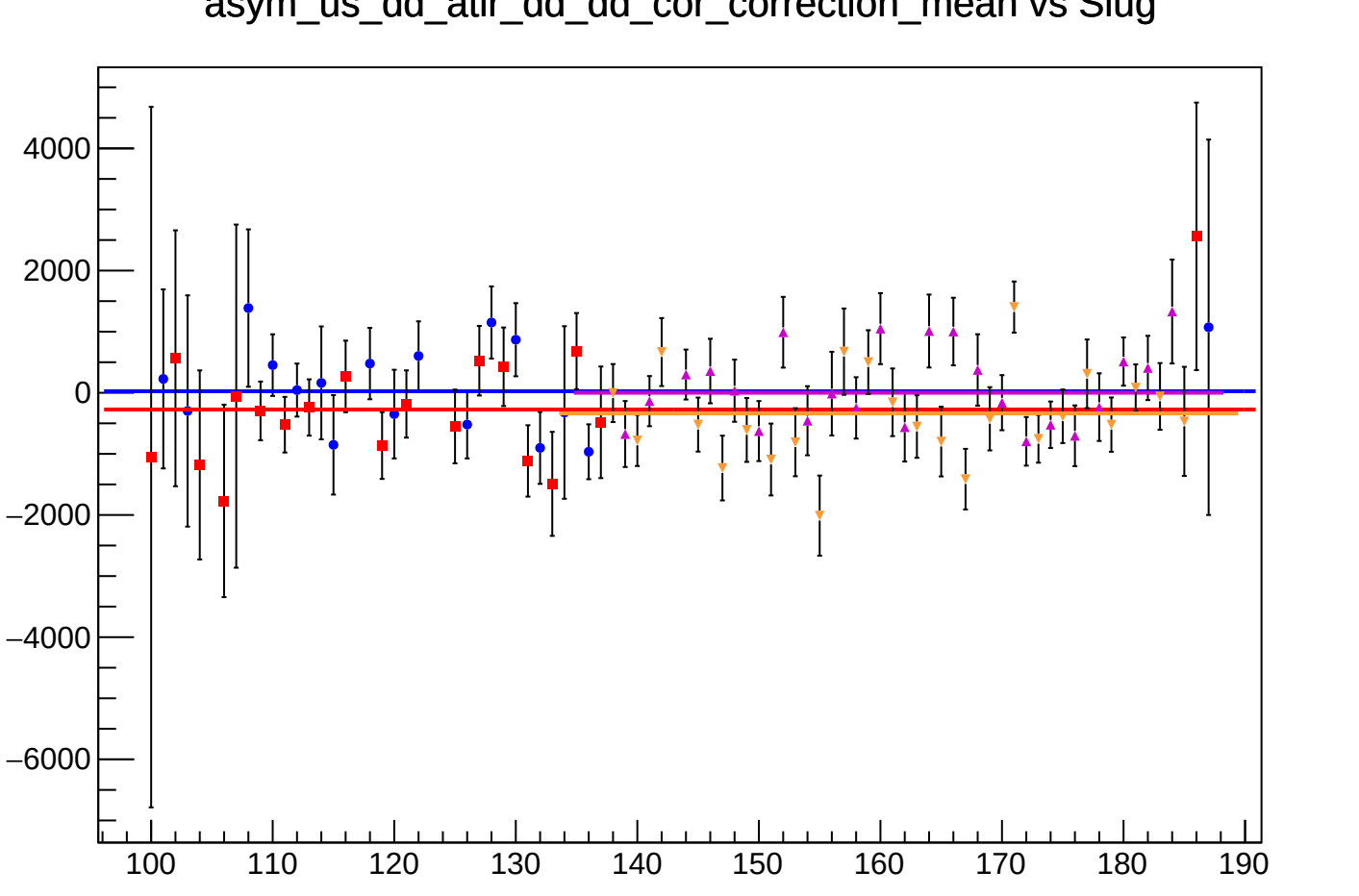
Right Out: 1129.962+/-0.294 χ^2/NDF: 224693.8/18

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

\+ sign 1091.485+/-0.152 χ^2/NDF: 691728.5/40

All: 1094.026+/-0.108 χ^2/NDF: 988137.8/82

\- sign 1096.582+/-0.153 χ^2/NDF: 295852.3/41



Right In: 25.805+/-161.017 χ^2/NDF: 19.1/16

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: -273.196+/-155.816 χ^2/NDF: 15.3/18

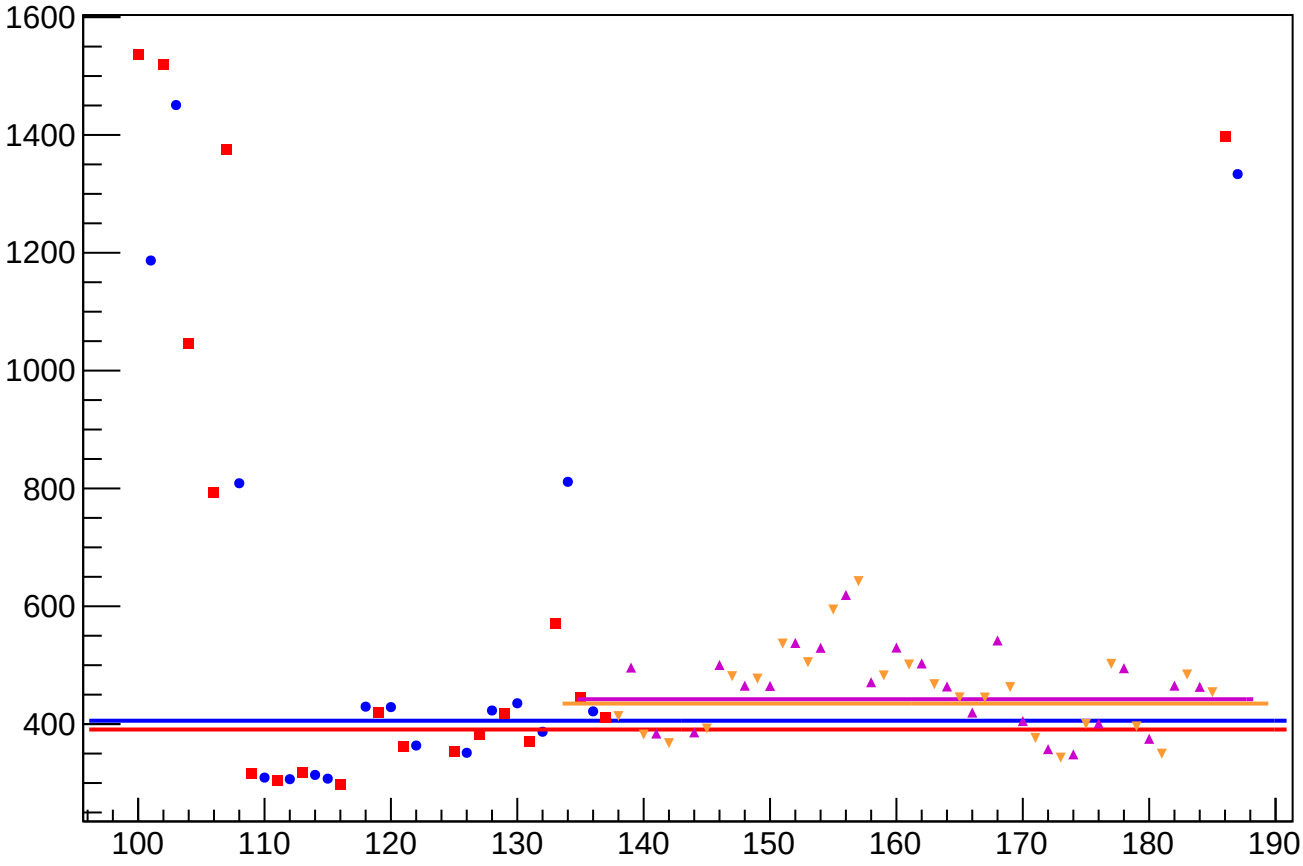
Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -232.810+/-86.527 χ^2/NDF: 71.5/40

All: -159.056+/-61.323 χ^2/NDF: 122.3/82

- sign -84.628+/-86.922 χ^2/NDF: 49.3/41

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 405.738+/-0.114 χ^2/NDF: 1995021.8/16

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

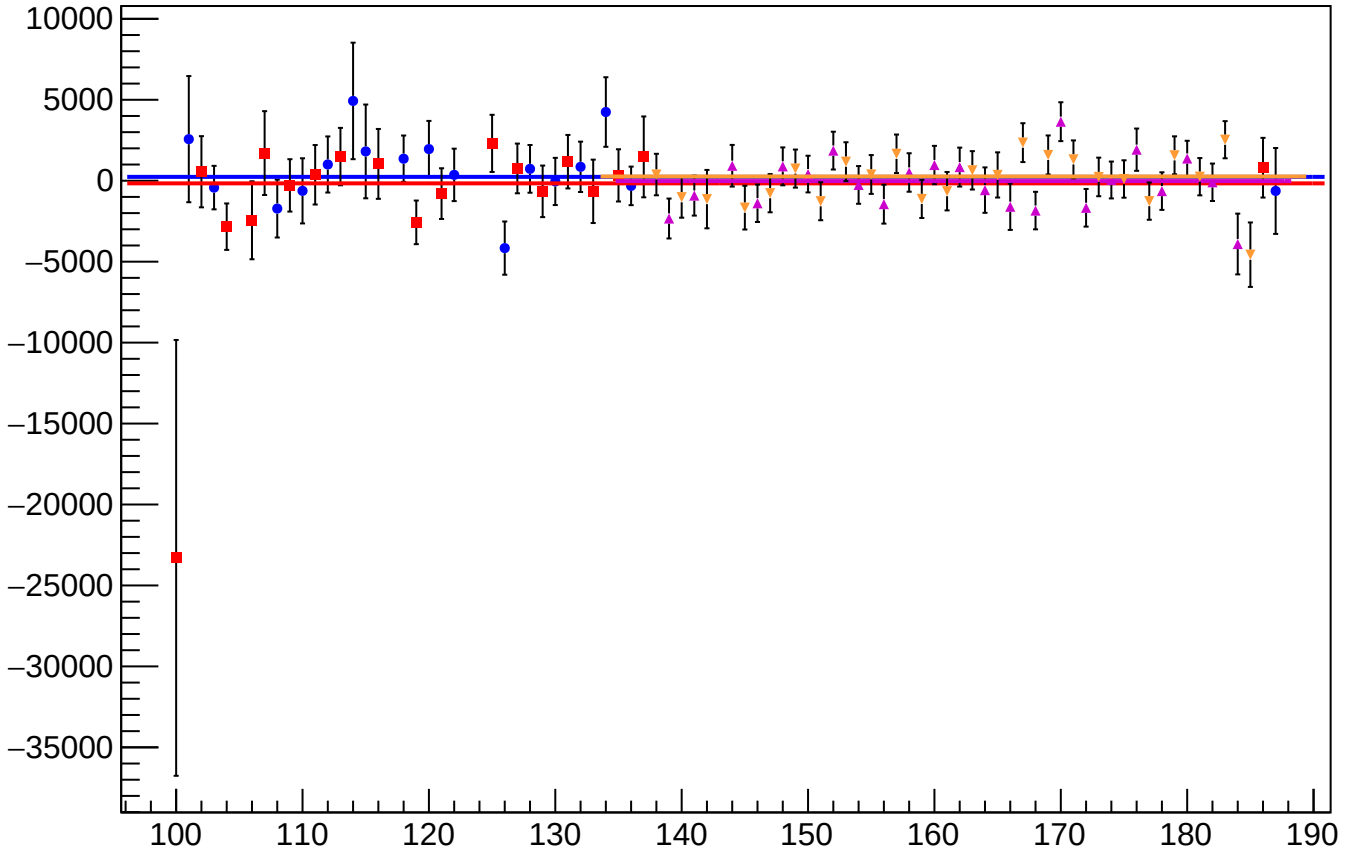
Right Out: 390.805+/-0.110 χ^2/NDF: 2172126.0/18

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 426.447+/-0.061 χ^2/NDF: 2920046.9/40

All: 426.330+/-0.043 χ^2/NDF: 6067959.3/82

- sign 426.213+/-0.061 χ^2/NDF: 3147905.2/41



Right In: 238.132+/-419.321 χ^2/NDF: 17.0/16

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -162.776+/-415.381 χ^2/NDF: 16.5/18

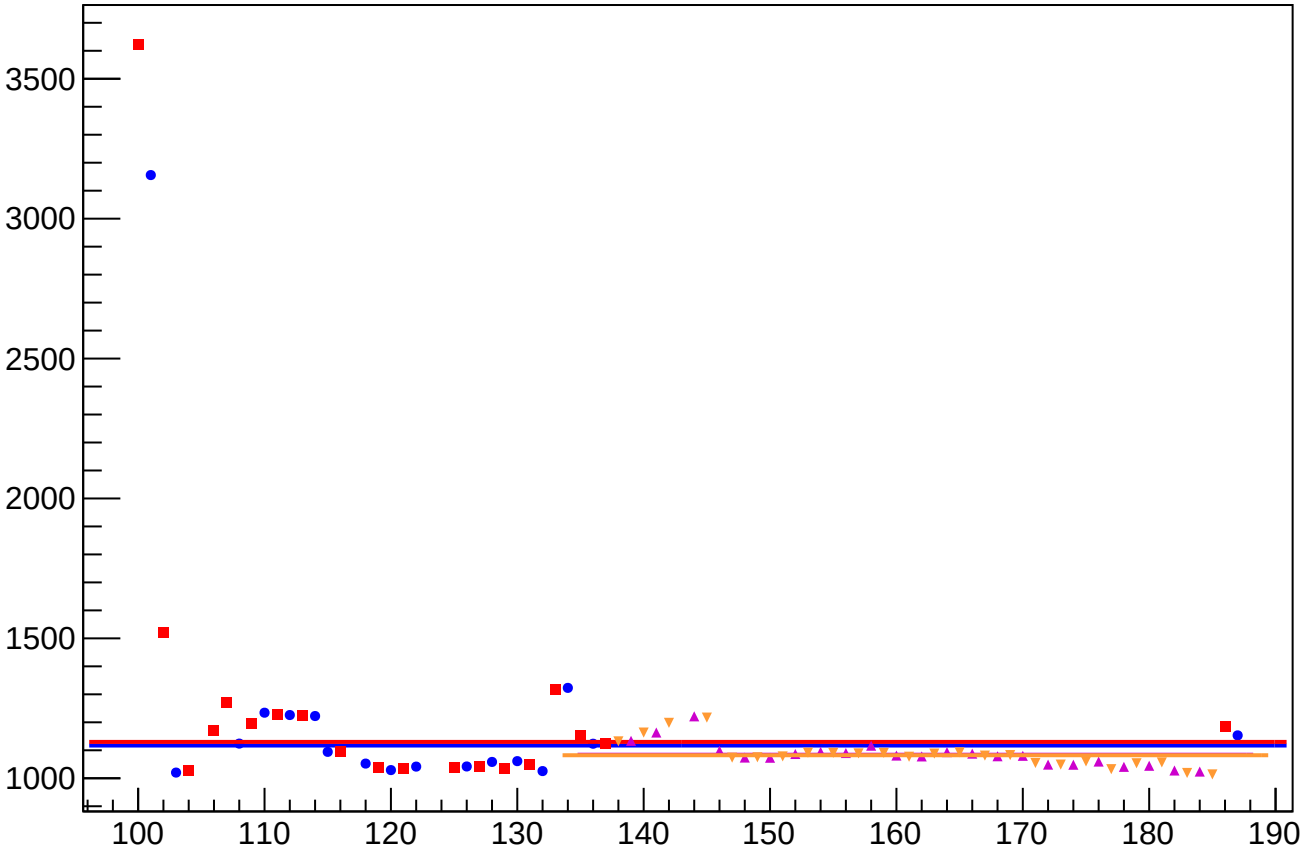
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 254.688+/-215.618 χ^2/NDF: 45.3/40

All: 97.614+/-152.699 χ^2/NDF: 98.7/82

- sign -60.430+/-216.282 χ^2/NDF: 52.4/41

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1117.018+/-0.297 χ^2/NDF: 623774.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

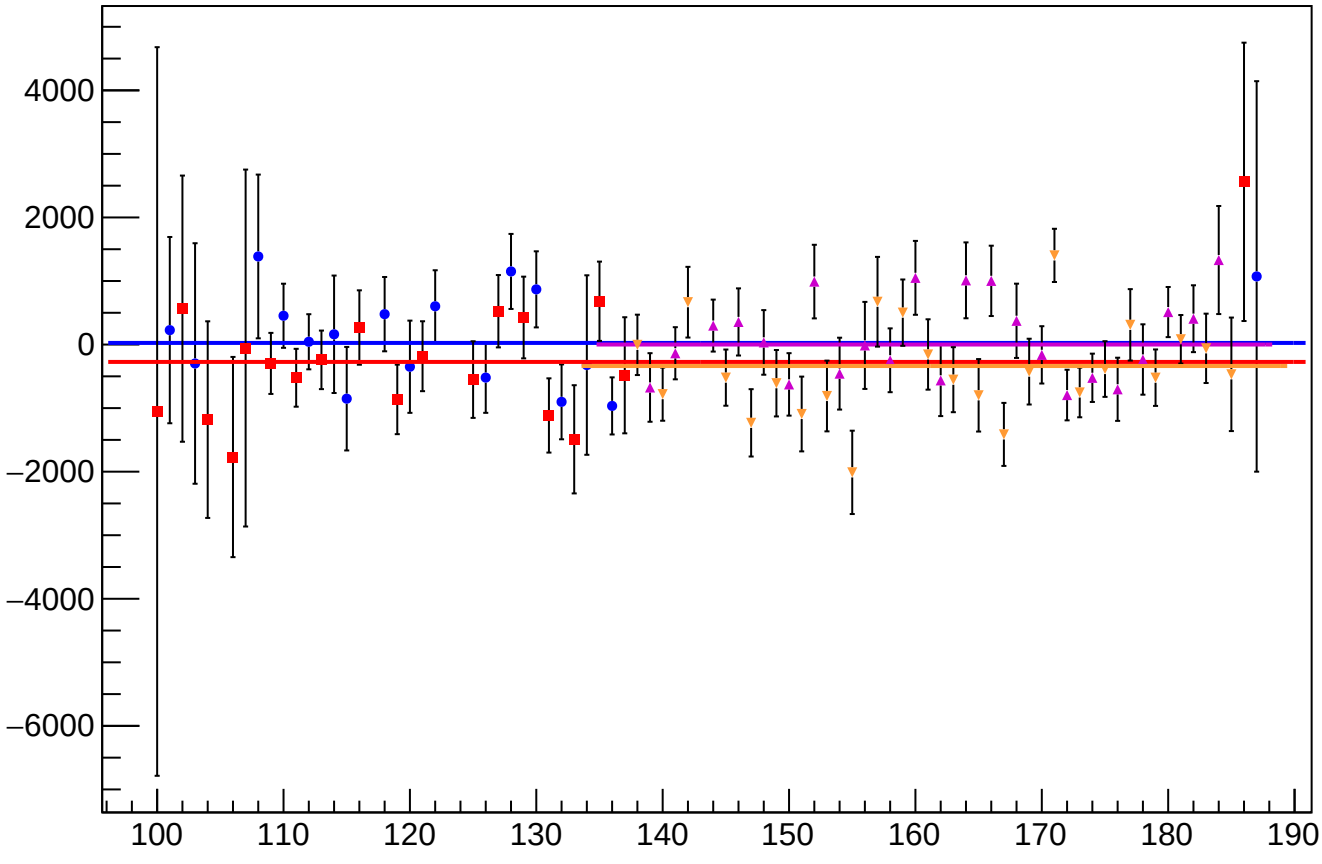
Right Out: 1129.962+/-0.294 χ^2/NDF: 224693.8/18

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1091.485+/-0.152 χ^2/NDF: 691728.5/40

All: 1094.026+/-0.108 χ^2/NDF: 988137.8/82

- sign 1096.582+/-0.153 χ^2/NDF: 295852.3/41



Right In: 25.805+/-161.017 χ^2/NDF: 19.1/16

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

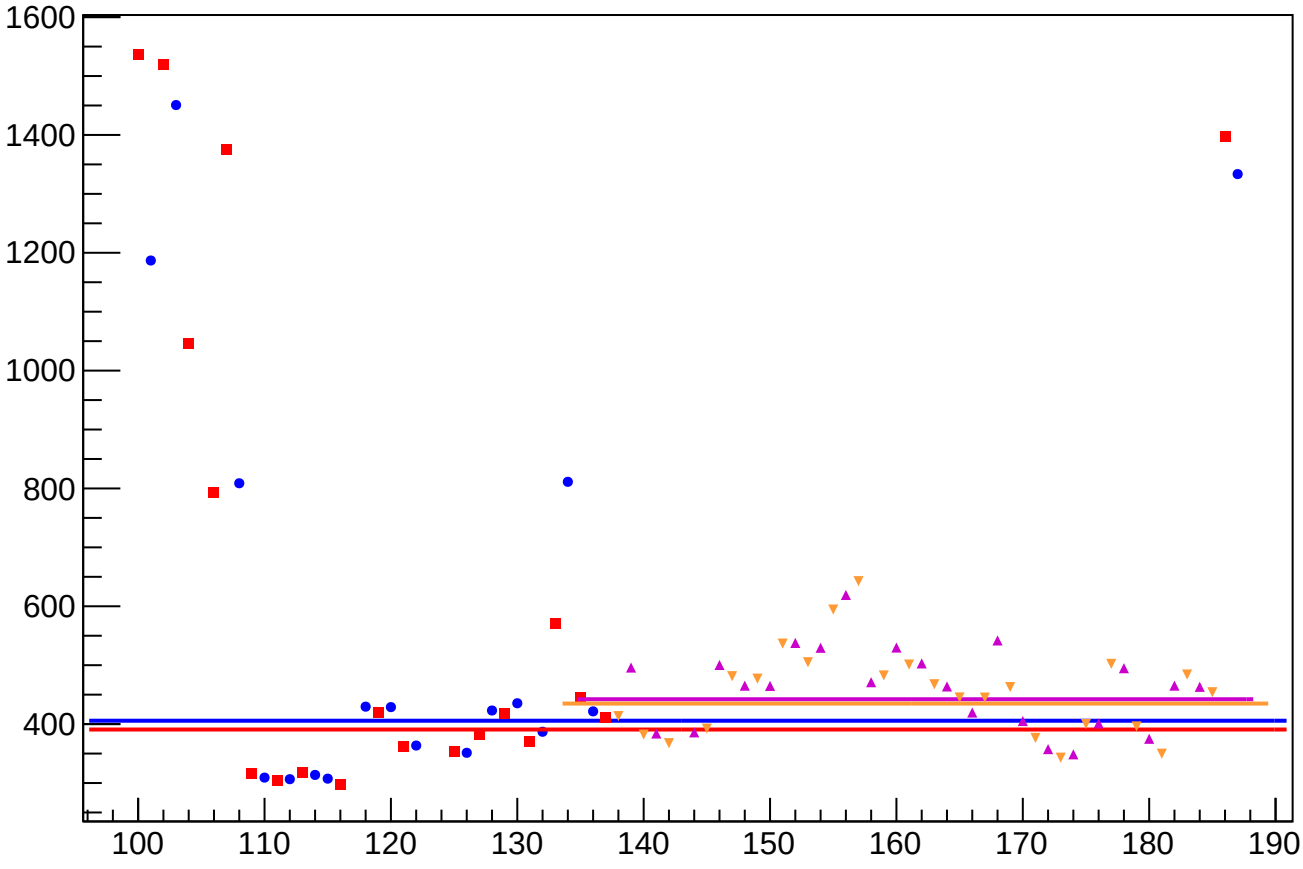
Right Out: -273.196+/-155.816 χ^2/NDF: 15.3/18

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -232.810+/-86.527 χ^2/NDF: 71.5/40

All: -159.056+/-61.323 χ^2/NDF: 122.3/82

- sign -84.628+/-86.922 χ^2/NDF: 49.3/41



Right In: 405.738+/-0.114 χ^2/NDF: 1995021.8/16

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 390.805+/-0.110 χ^2/NDF: 2172126.0/18

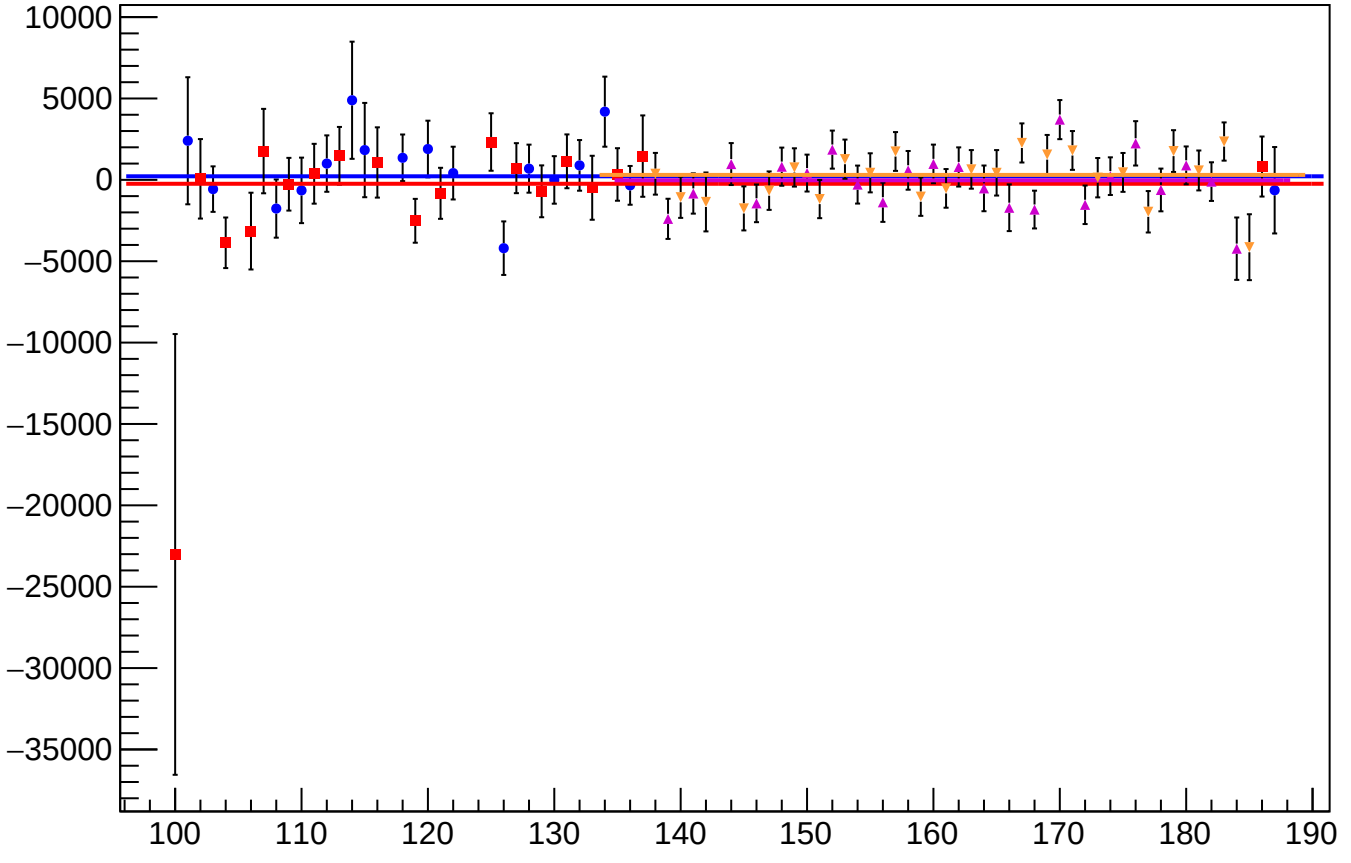
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 426.447+/-0.061 χ^2/NDF: 2920046.9/40

All: 426.330+/-0.043 χ^2/NDF: 6067959.3/82

- sign 426.213+/-0.061 χ^2/NDF: 3147905.2/41

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 218.704+/-421.191 χ^2/NDF: 17.1/16

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -241.148+/-419.479 χ^2/NDF: 19.0/18

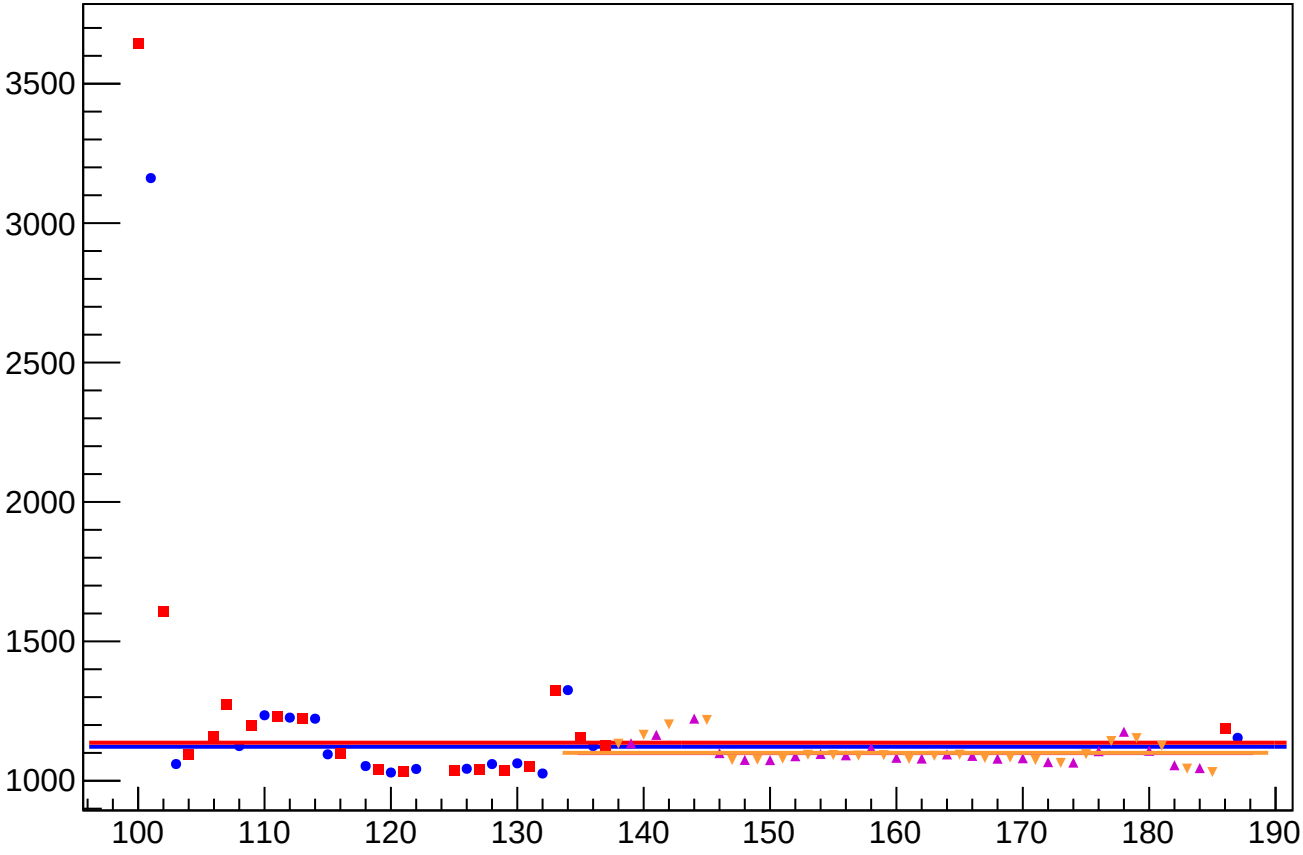
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 280.613+/-218.485 χ^2/NDF: 45.6/40

All: 98.696+/-154.695 χ^2/NDF: 102.0/82

- sign -84.177+/-219.059 χ^2/NDF: 55.1/41

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1122.119+/-0.298 χ^2/NDF: 617325.5/16

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

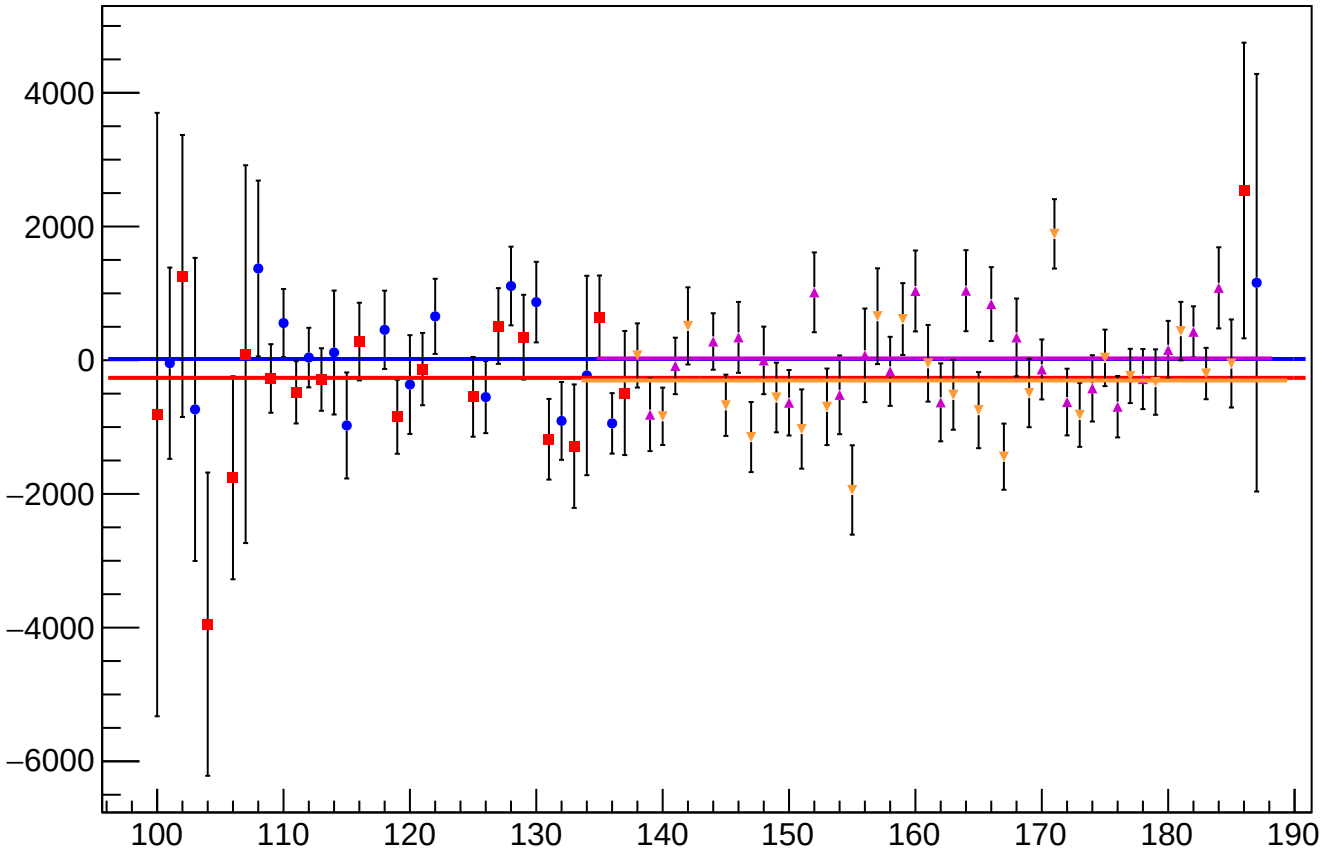
Right Out: 1136.653+/-0.297 χ^2/NDF: 229002.7/18

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1106.140+/-0.154 χ^2/NDF: 670037.6/40

All: 1107.824+/-0.109 χ^2/NDF: 955571.7/82

- sign 1109.517+/-0.155 χ^2/NDF: 285295.9/41



Right In: 18.354+/-161.629 χ^2/NDF: 19.8/16

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -263.790+/-158.419 χ^2/NDF: 16.7/18

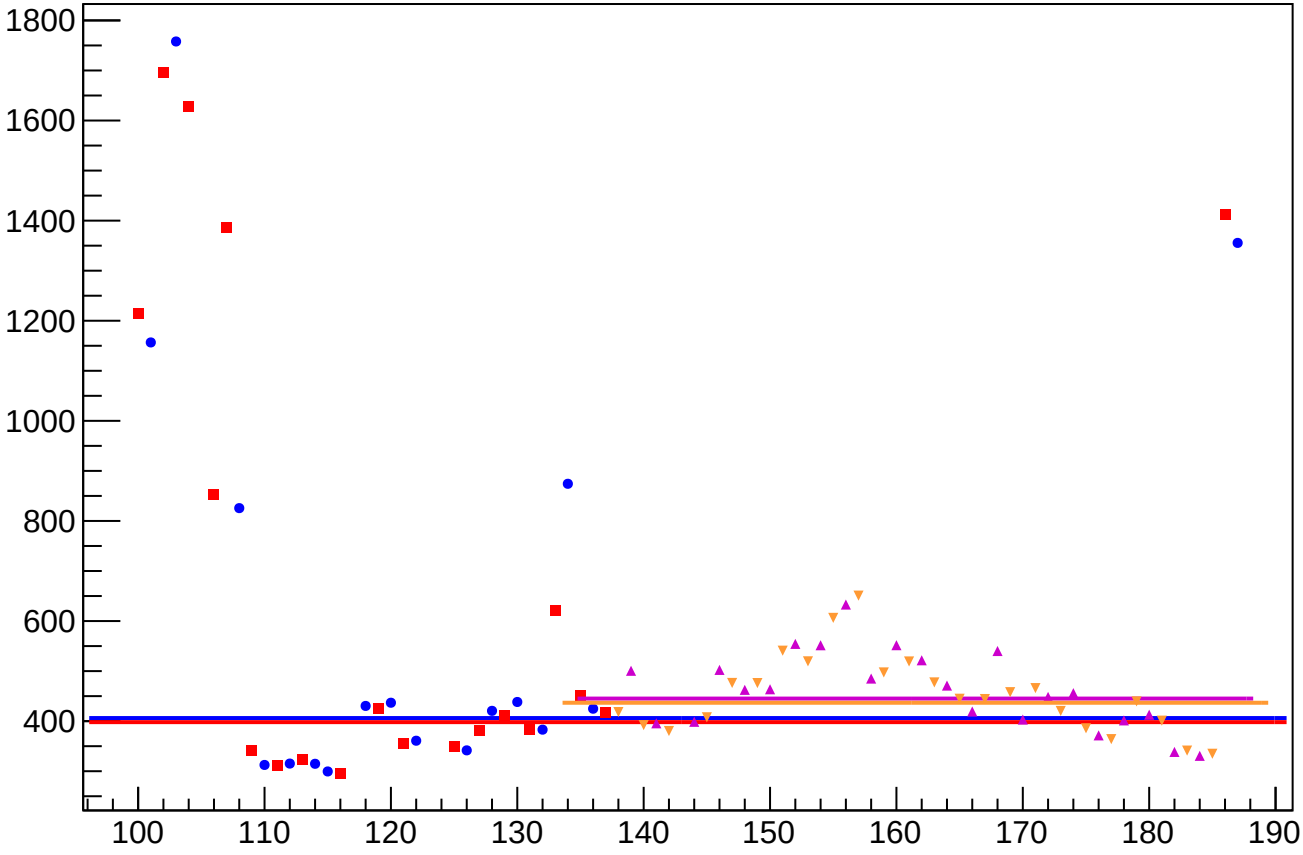
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -210.368+/-86.849 χ^2/NDF: 72.1/40

All: -137.174+/-61.733 χ^2/NDF: 120.4/82

- sign -62.428+/-87.764 χ^2/NDF: 46.9/41

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 406.205+/-0.114 χ^2/NDF: 2114856.5/16

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 398.050+/-0.112 χ^2/NDF: 2625795.2/18

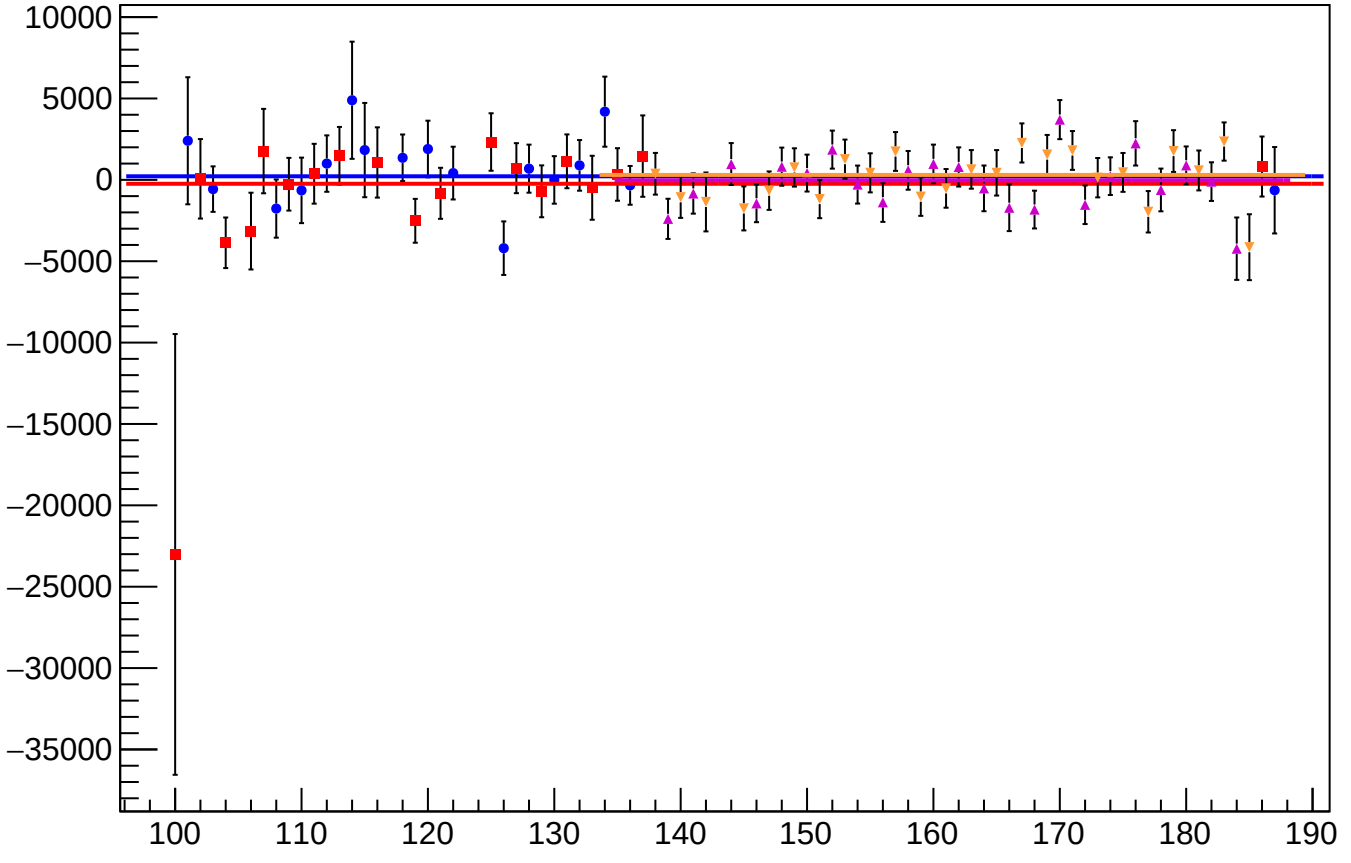
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 427.957+/-0.061 χ^2/NDF: 3020991.9/40

All: 429.297+/-0.044 χ^2/NDF: 6644601.7/82

- sign 430.666+/-0.062 χ^2/NDF: 3622647.3/41

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 218.706+/-421.191 χ^2/NDF: 17.1/16

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

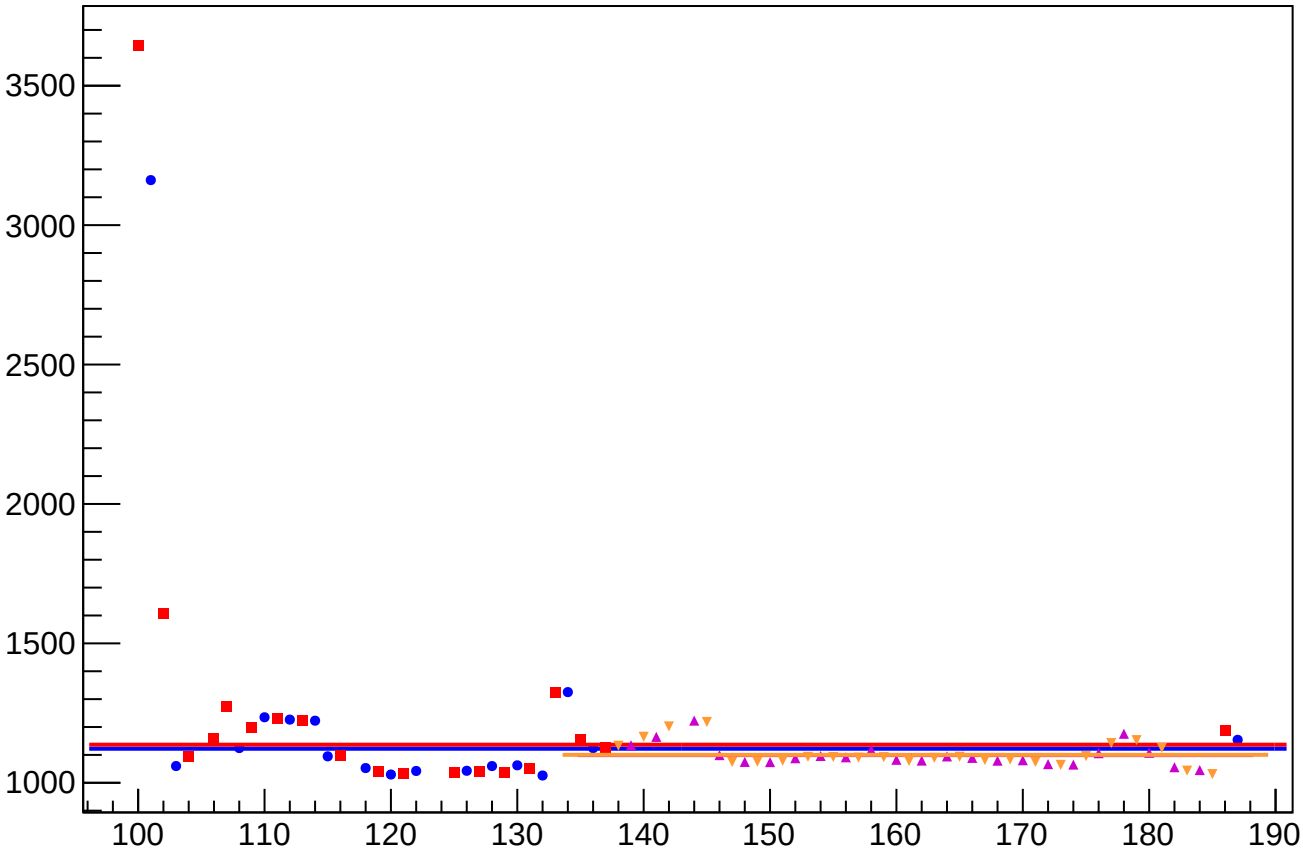
Right Out: -241.149+/-419.479 χ^2/NDF: 19.0/18

Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 280.612+/-218.485 χ^2/NDF: 45.6/40

All: 98.695+/-154.695 χ^2/NDF: 102.0/82

- sign -84.178+/-219.059 χ^2/NDF: 55.1/41



Right In: 1122.119+/-0.298 χ^2/NDF: 617325.5/16

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

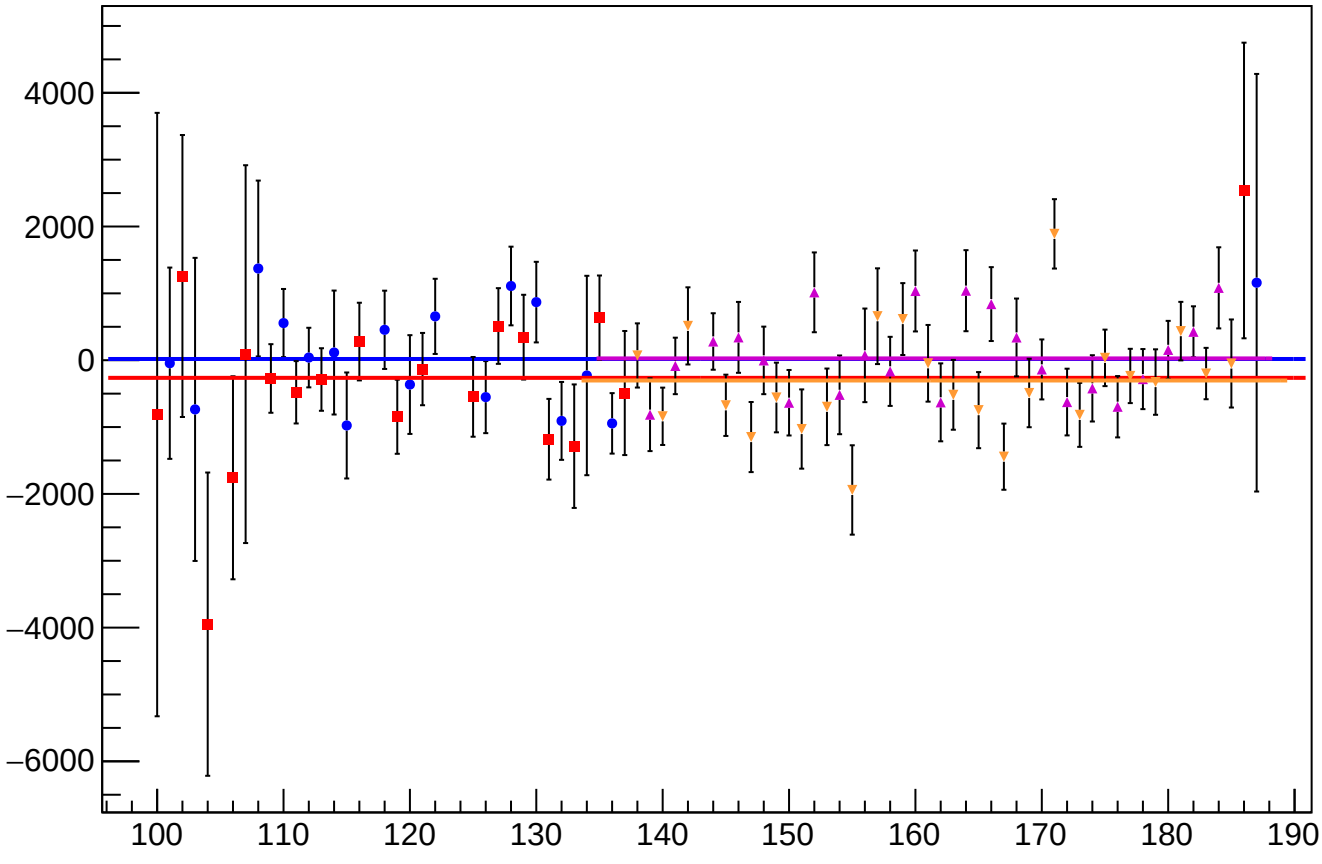
Right Out: 1136.653+/-0.297 χ^2/NDF: 229002.8/18

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1106.140+/-0.154 χ^2/NDF: 670037.8/40

All: 1107.824+/-0.109 χ^2/NDF: 955572.1/82

- sign 1109.517+/-0.155 χ^2/NDF: 285296.1/41



Right In: 18.350+/-161.627 χ^2/NDF: 19.8/16

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

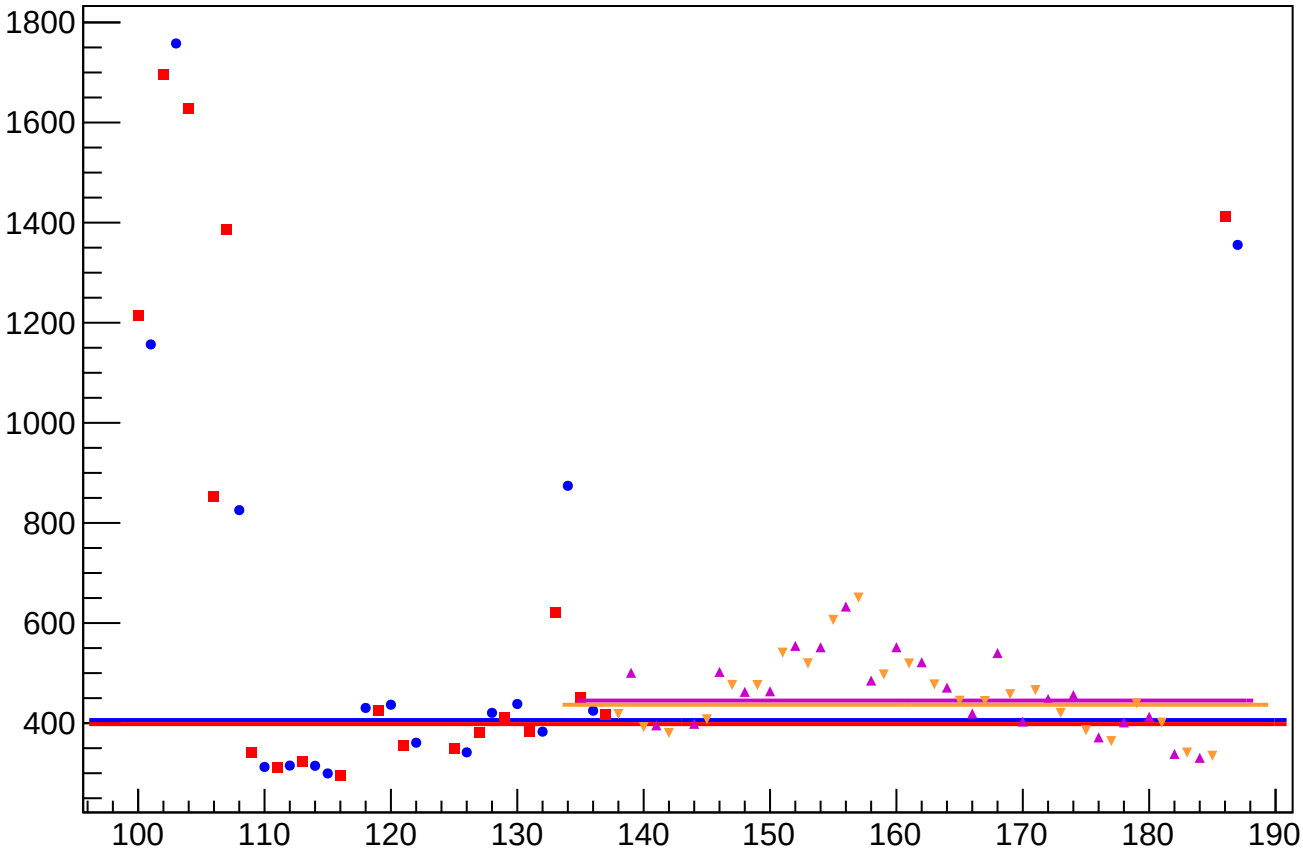
Right Out: -263.788+/-158.418 χ^2/NDF: 16.7/18

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -210.370+/-86.849 χ^2/NDF: 72.1/40

All: -137.174+/-61.733 χ^2/NDF: 120.4/82

- sign -62.429+/-87.764 χ^2/NDF: 46.9/41



Right In: 406.202+/-0.114 χ^2/NDF: 2114852.4/16

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 398.046+/-0.112 χ^2/NDF: 2625803.1/18

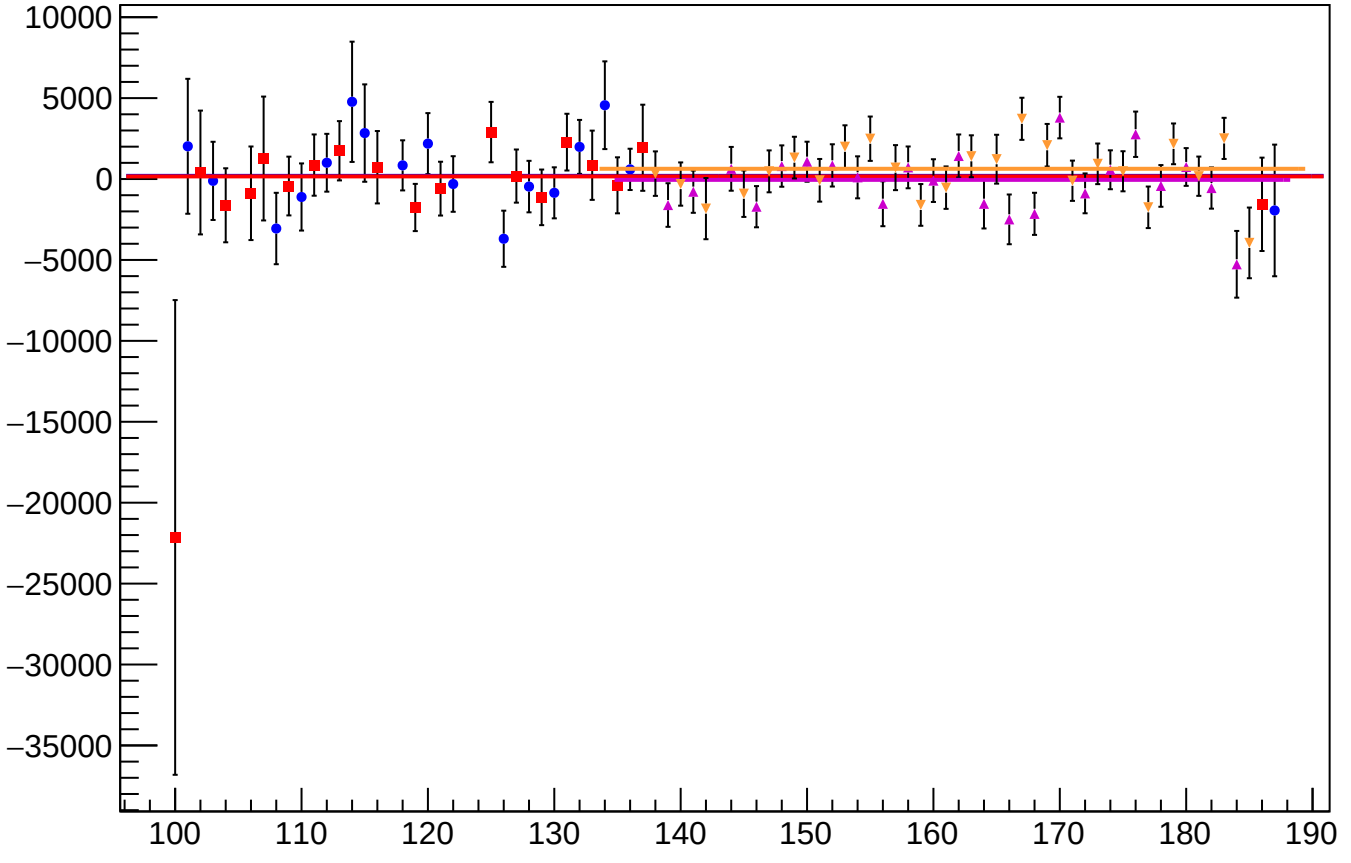
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 427.956+/-0.061 χ^2/NDF: 3021027.4/40

All: 429.296+/-0.044 χ^2/NDF: 6644695.0/82

- sign 430.664+/-0.062 χ^2/NDF: 3622705.2/41

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 195.732+/-471.361 χ^2/NDF: 16.4/16

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 162.413+/-471.397 χ^2/NDF: 11.3/18

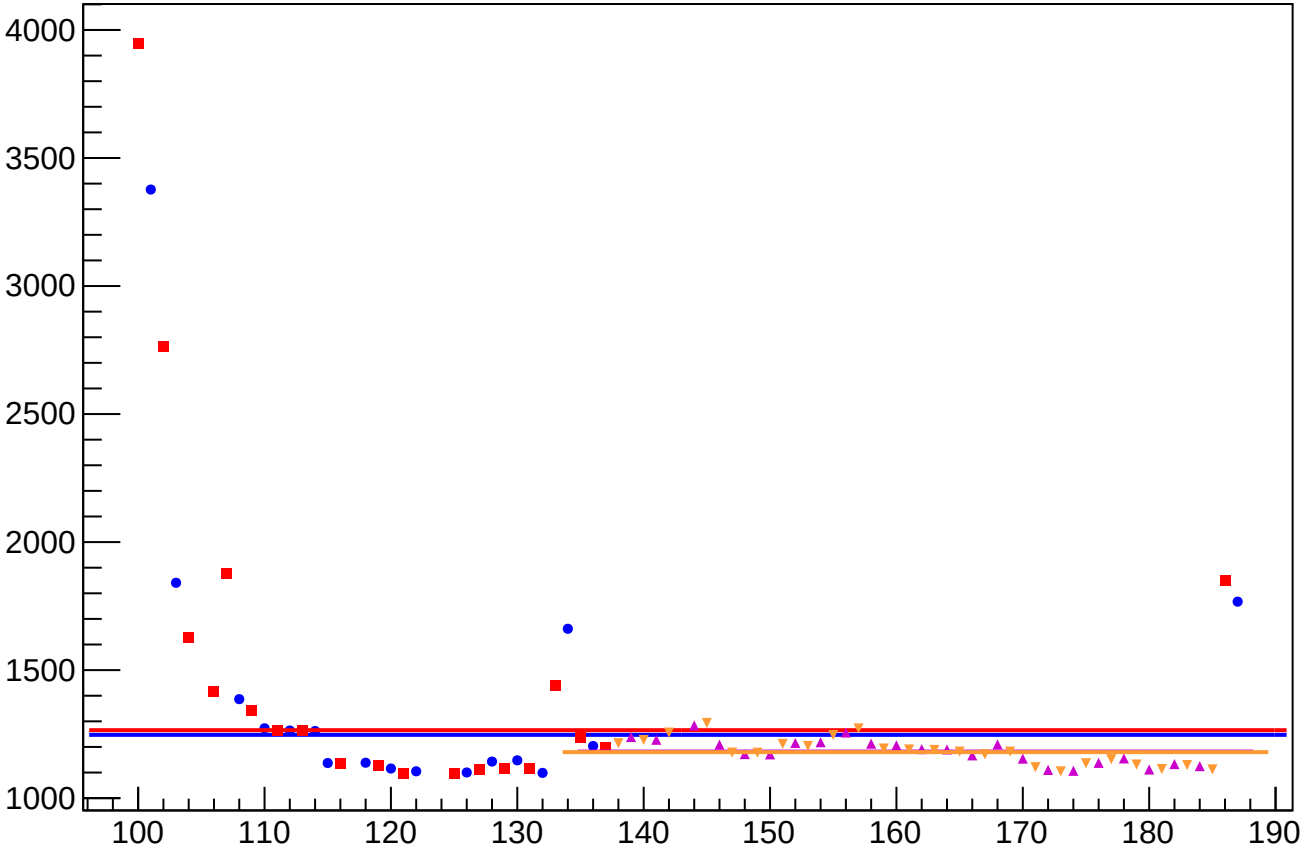
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 522.433+/-236.924 χ^2/NDF: 47.2/40

All: 264.568+/-168.020 χ^2/NDF: 96.0/82

- sign 3.667+/-238.315 χ^2/NDF: 46.5/41

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1247.221+/-0.333 χ^2/NDF: 815839.1/16

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

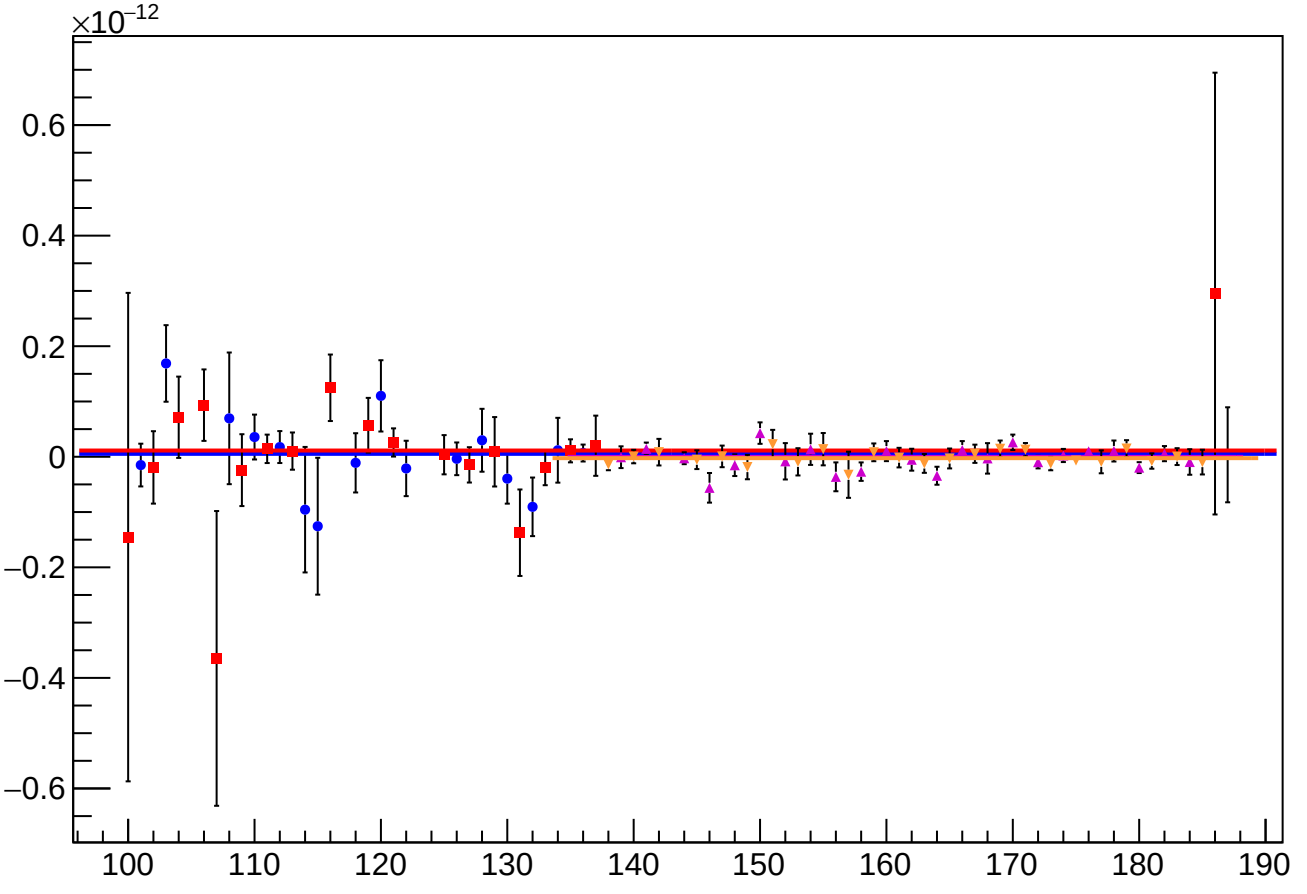
Right Out: 1265.444+/-0.333 χ^2/NDF: 690430.4/18

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1196.769+/-0.168 χ^2/NDF: 911165.8/40

All: 1200.002+/-0.119 χ^2/NDF: 1709432.4/82

- sign 1203.274+/-0.169 χ^2/NDF: 797517.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

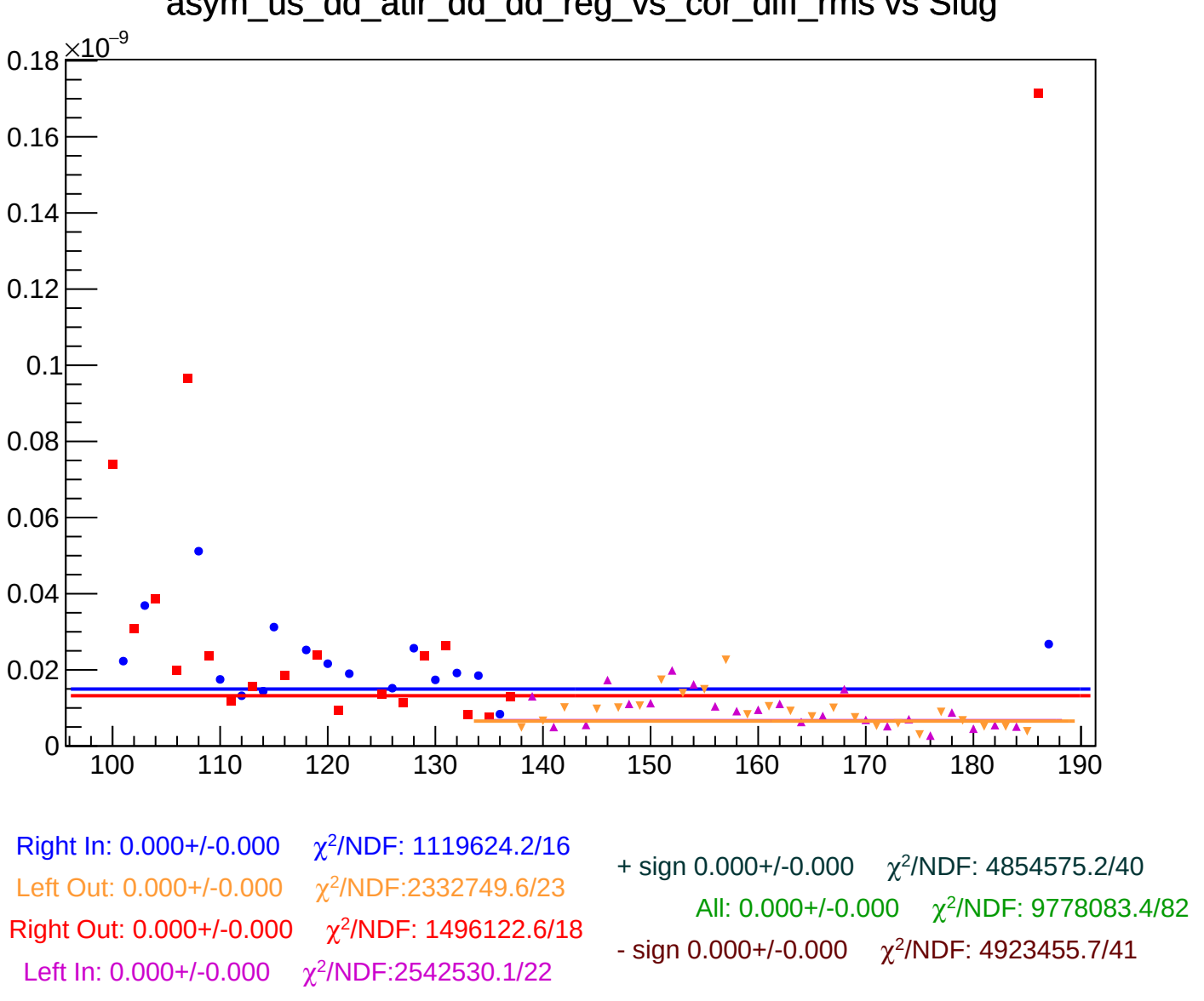
Right Out: 0.000+/-0.000 χ^2/NDF: 15.5/18

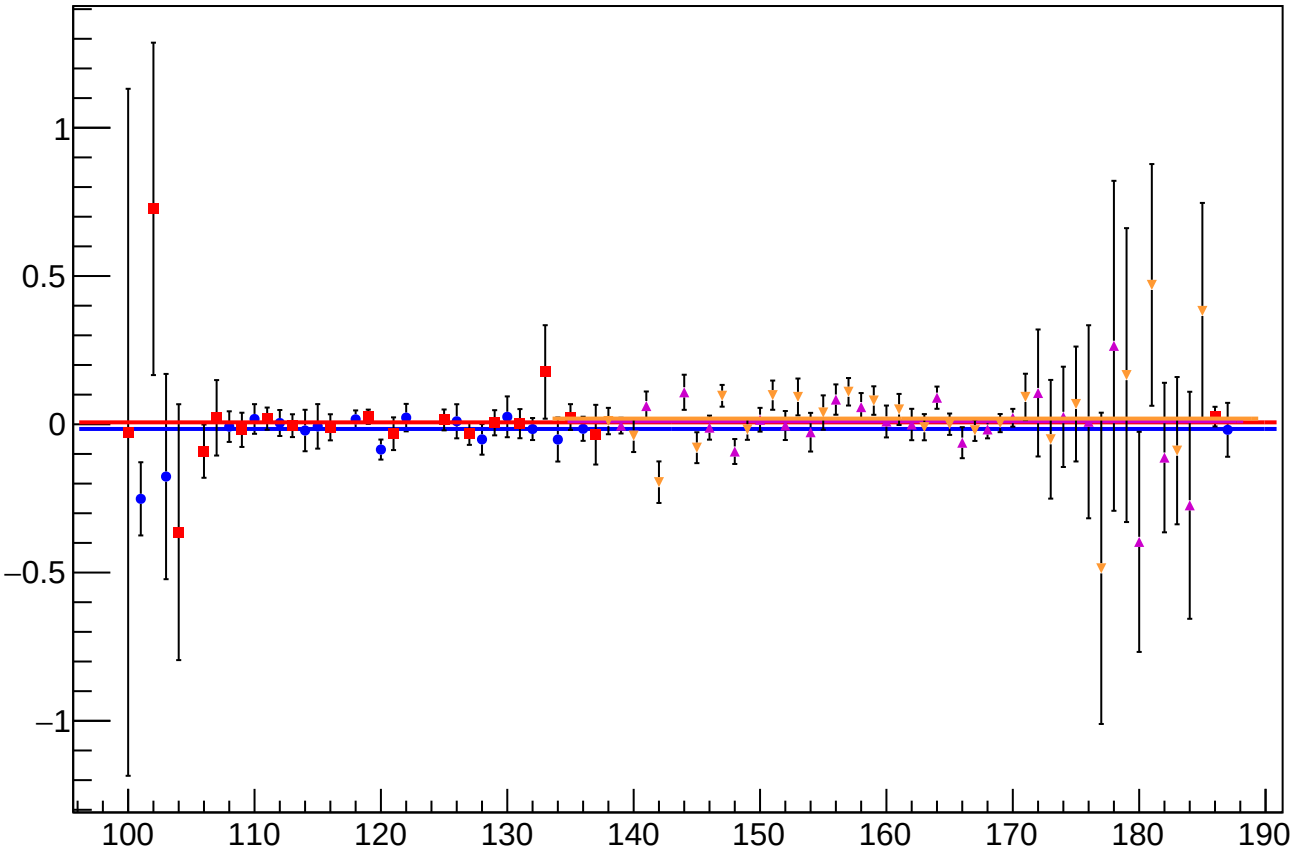
Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 27.4/40

All: -0.000+/-0.000 χ^2/NDF: 77.3/82

- sign 0.000+/-0.000 χ^2/NDF: 49.4/41


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1119624.2/16
Left Out: 0.000+/-0.000 χ²/NDF:2332749.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 1496122.6/18
Left In: 0.000+/-0.000 χ²/NDF:2542530.1/22
+ sign 0.000+/-0.000 χ²/NDF: 4854575.2/40
All: 0.000+/-0.000 χ²/NDF: 9778083.4/82
- sign 0.000+/-0.000 χ²/NDF: 4923455.7/41



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.007+/-0.011 χ^2/NDF: 8.2/18

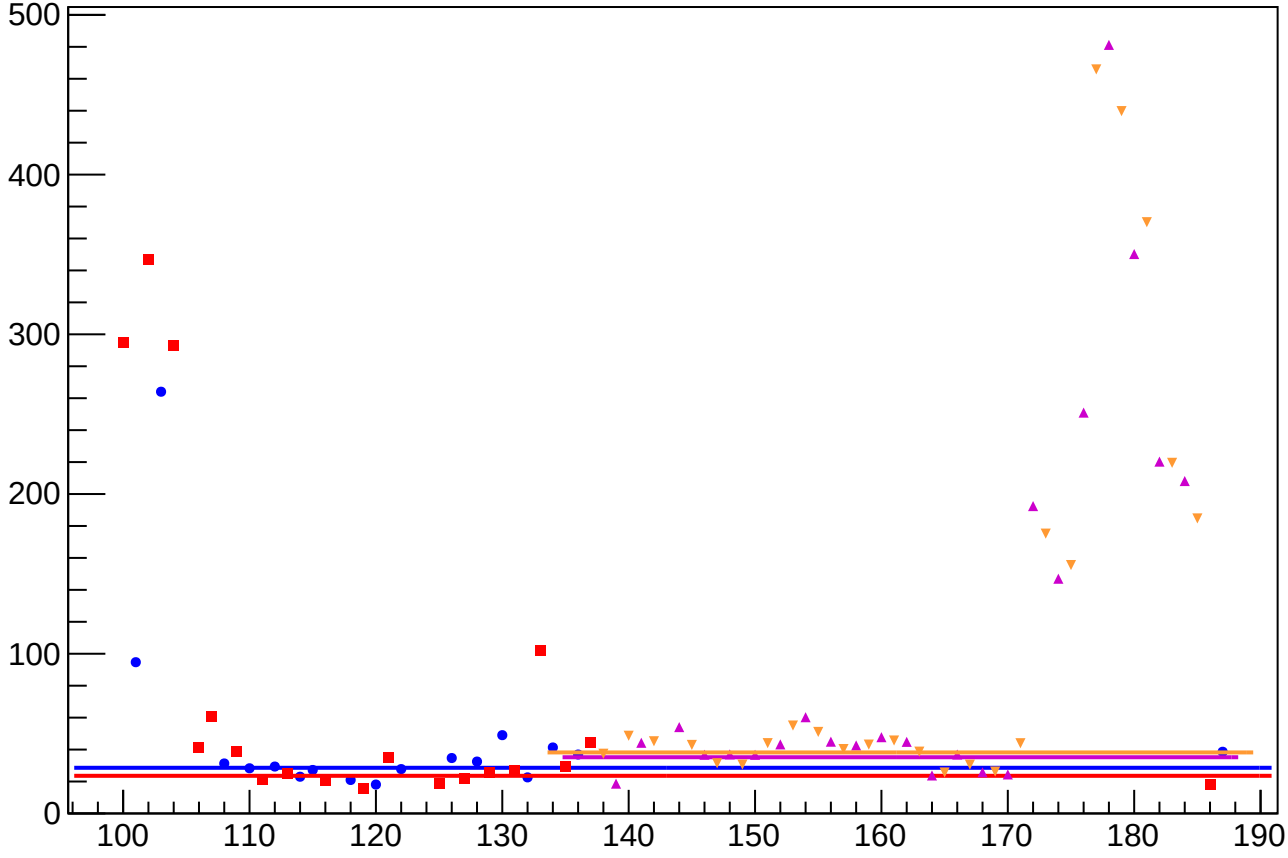
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/40

All: 0.006+/-0.005 χ^2/NDF: 84.5/82

- sign 0.009+/-0.007 χ^2/NDF: 31.9/41

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.595+/-0.009 χ^2/NDF: 2270442.0/16

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

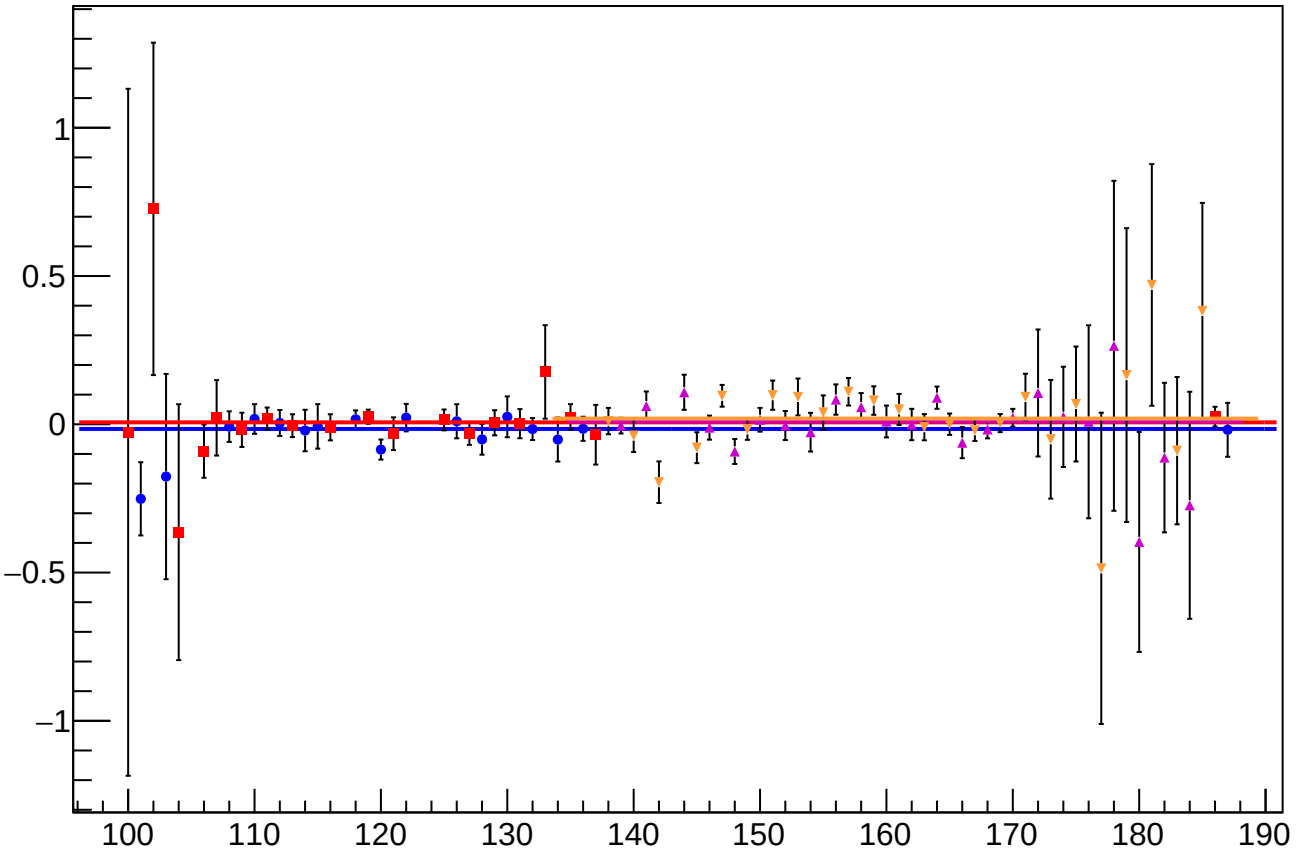
Right Out: 23.571+/-0.008 χ^2/NDF: 2980622.6/18

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.981+/-0.006 χ^2/NDF: 11251894.4/40

All: 31.655+/-0.004 χ^2/NDF: 25145133.7/82

- sign 29.685+/-0.005 χ^2/NDF: 13587747.7/41



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

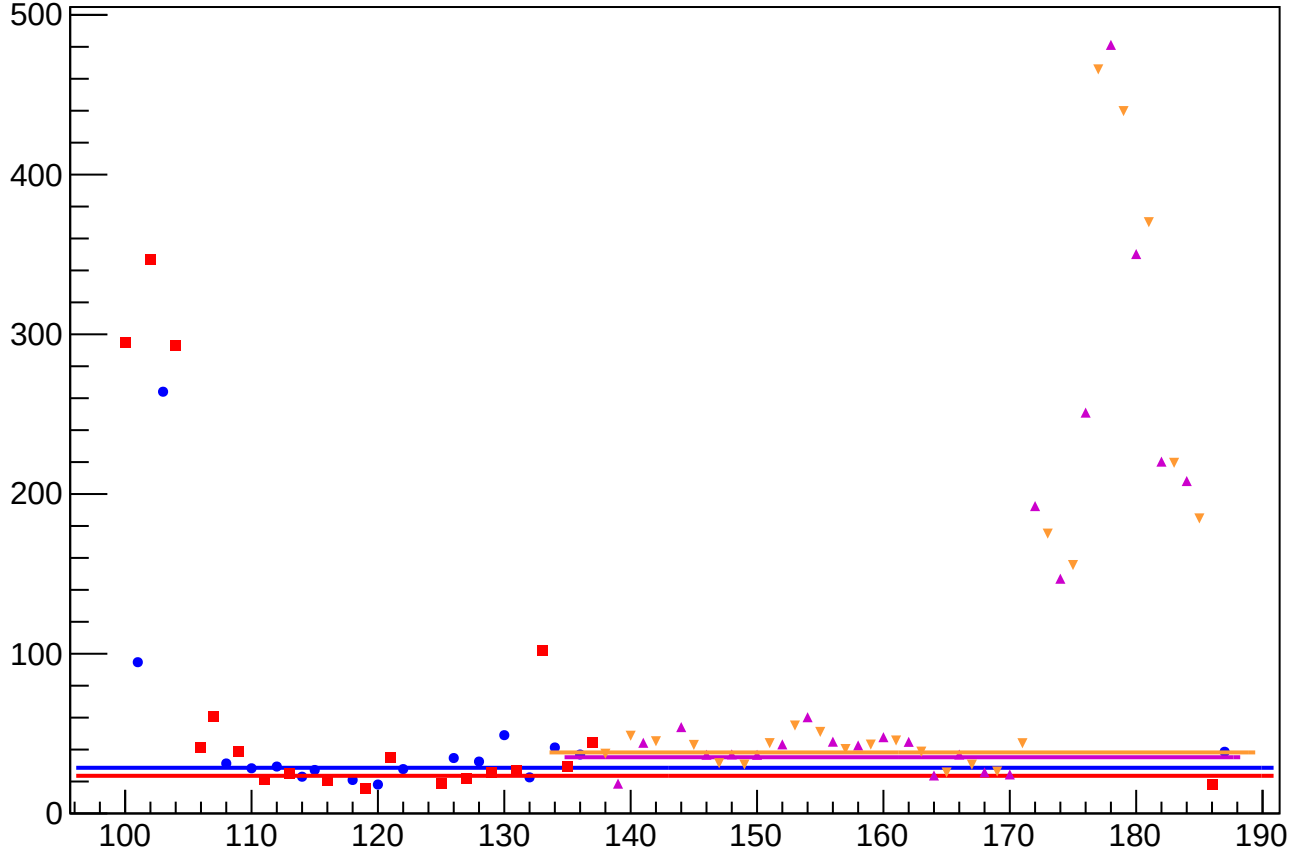
Right Out: 0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/40

All: 0.006+/-0.005 χ^2/NDF: 84.5/82

- sign 0.009+/-0.007 χ^2/NDF: 31.9/41



Right In: 28.595+/-0.009 χ^2/NDF: 2270442.0/16

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

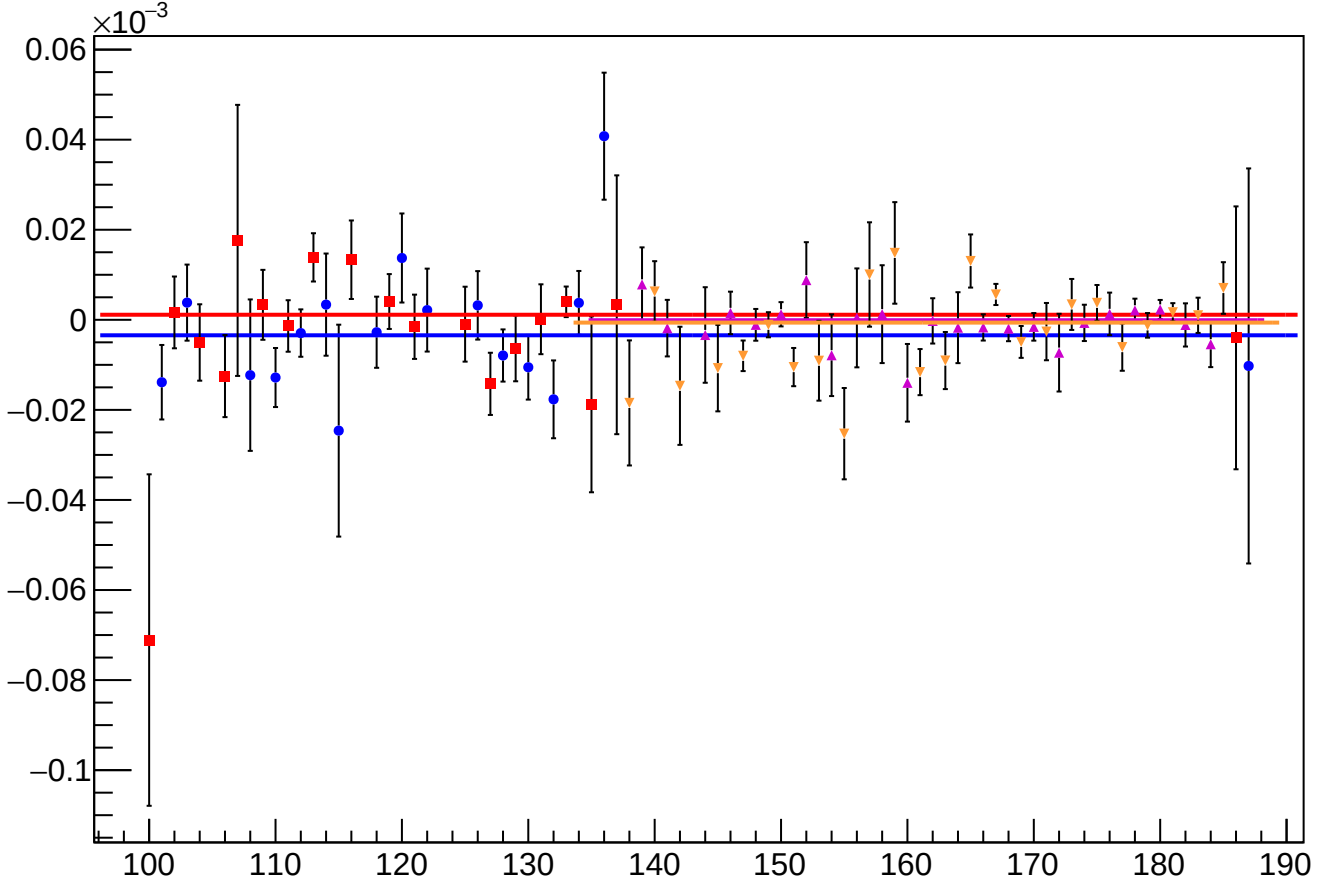
Right Out: 23.571+/-0.008 χ^2/NDF: 2980622.6/18

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 33.981+/-0.006 χ^2/NDF: 11251894.4/40

All: 31.655+/-0.004 χ^2/NDF: 25145133.7/82

- sign 29.685+/-0.005 χ^2/NDF: 13587747.7/41



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

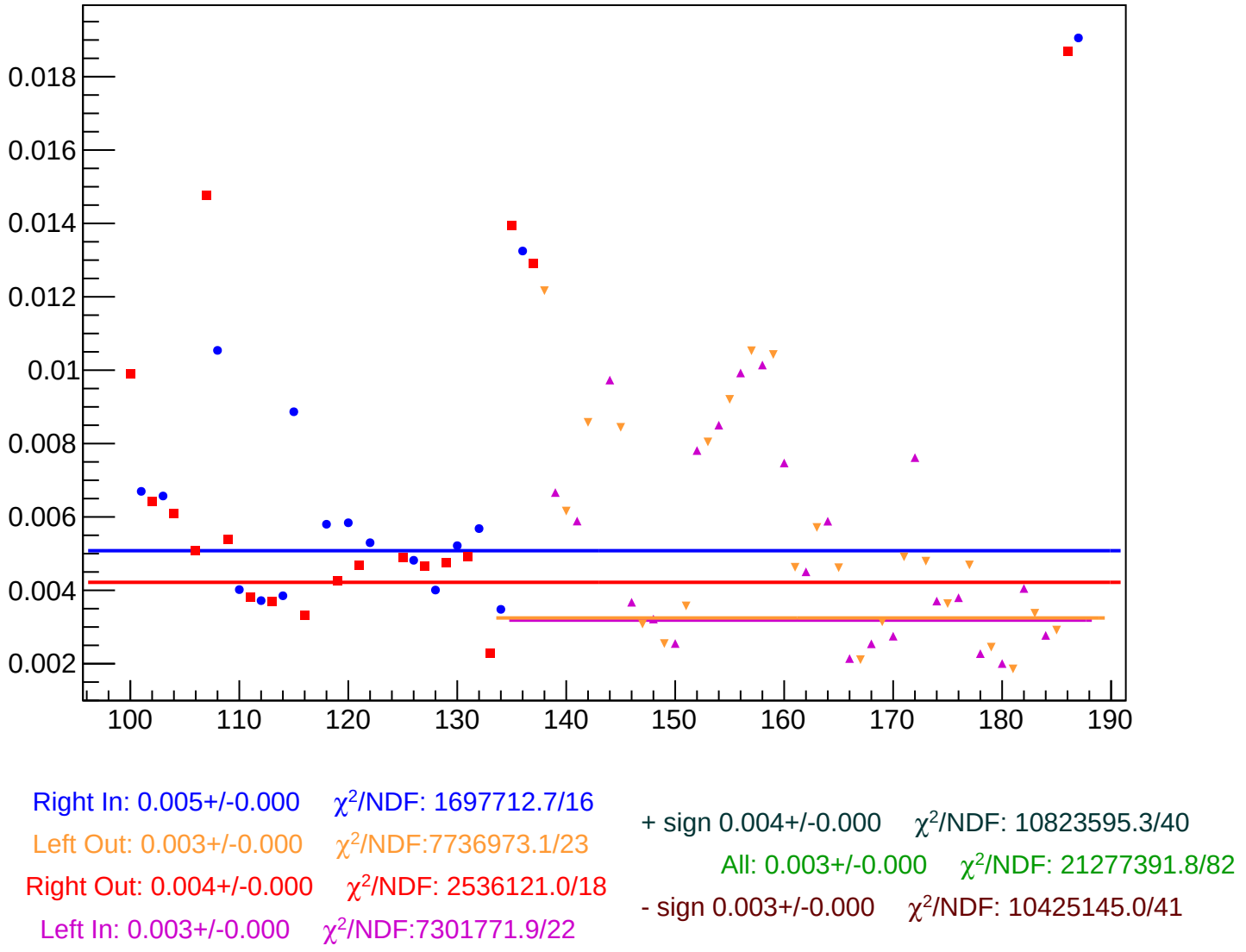
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

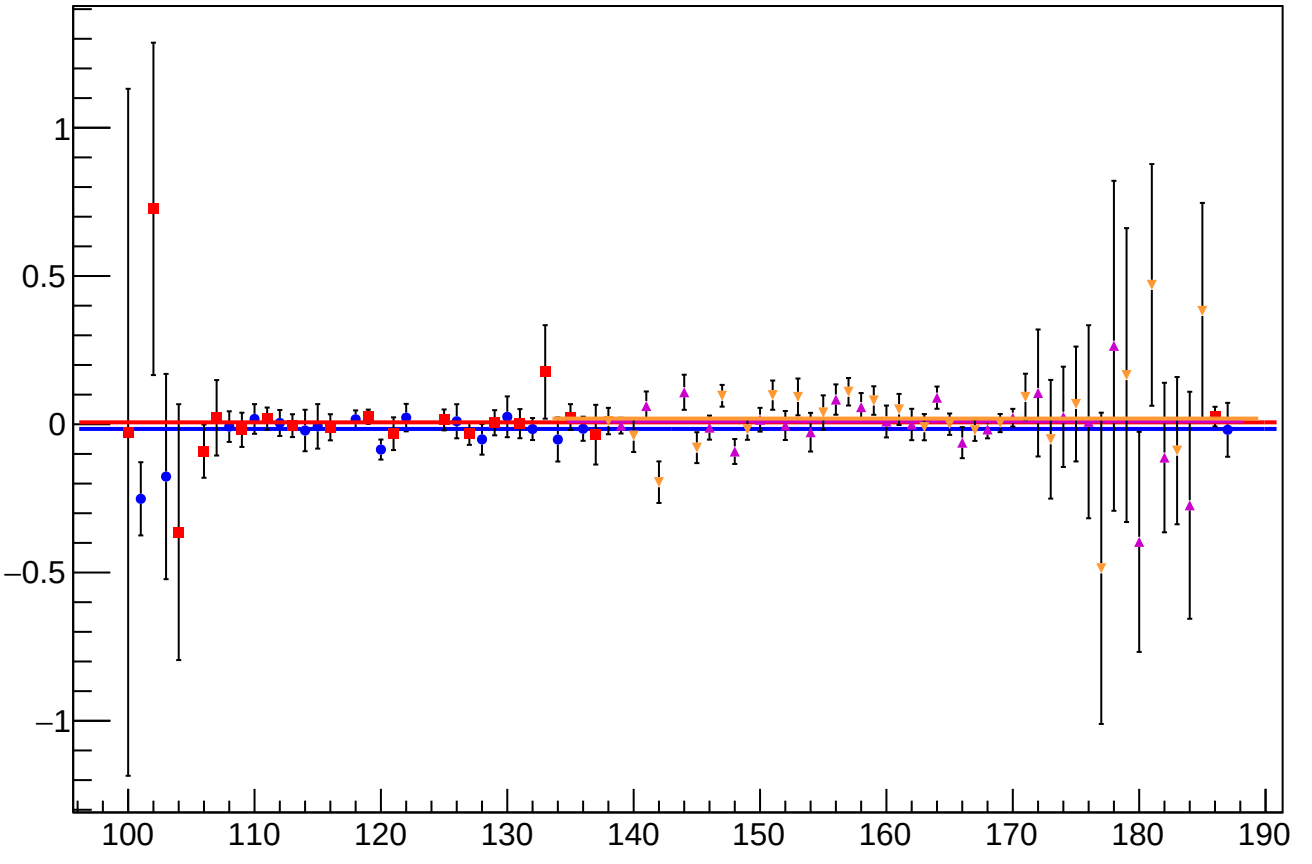
Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.0/40

All: -0.000+/-0.000 χ^2/NDF: 113.6/82

- sign 0.000+/-0.000 χ^2/NDF: 34.4/41


asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.005+/-0.000 χ²/NDF: 1697712.7/16
Left Out: 0.003+/-0.000 χ²/NDF:7736973.1/23
Right Out: 0.004+/-0.000 χ²/NDF: 2536121.0/18
Left In: 0.003+/-0.000 χ²/NDF:7301771.9/22
+ sign 0.004+/-0.000 χ²/NDF: 10823595.3/40
All: 0.003+/-0.000 χ²/NDF: 21277391.8/82
- sign 0.003+/-0.000 χ²/NDF: 10425145.0/41



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

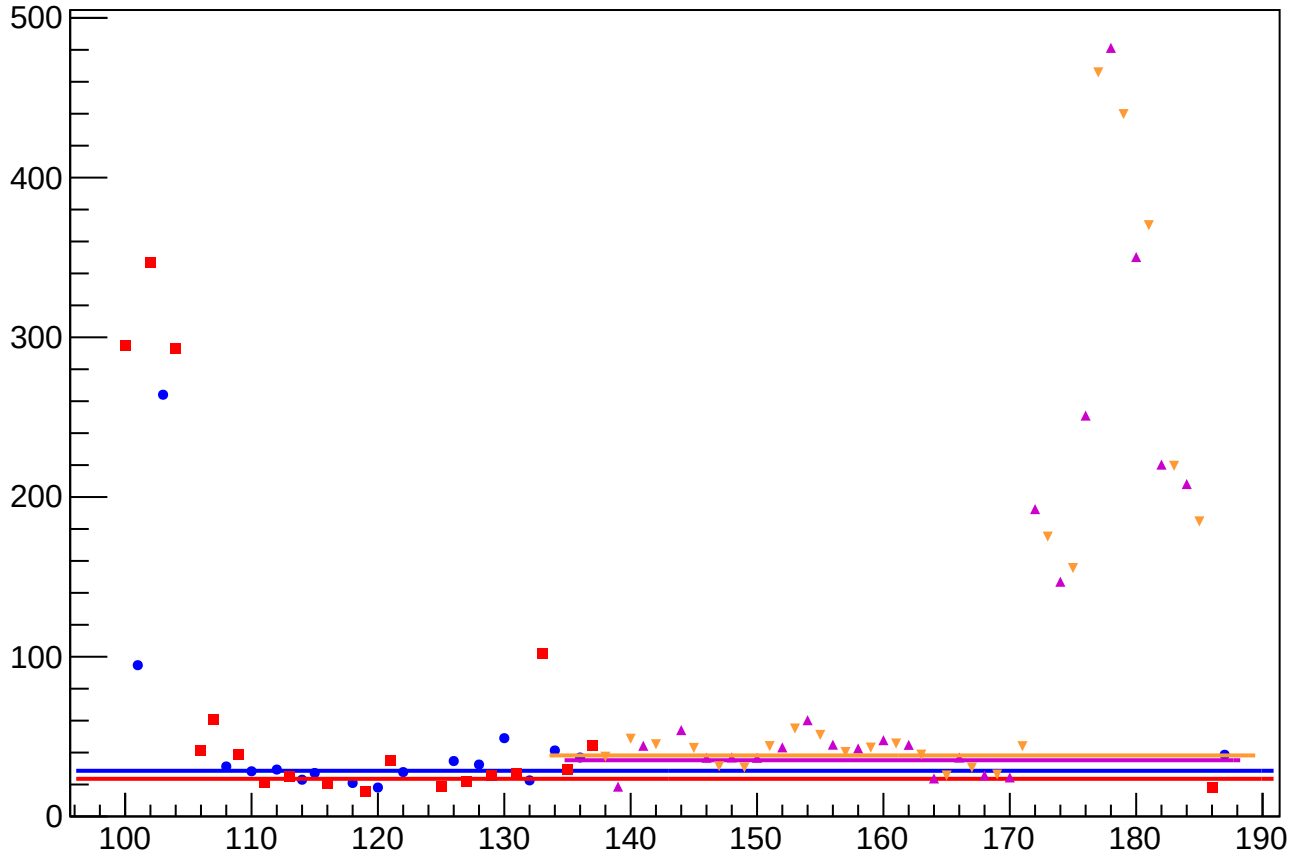
Right Out: 0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/40

All: 0.006+/-0.005 χ^2/NDF: 84.5/82

- sign 0.009+/-0.007 χ^2/NDF: 31.9/41



Right In: 28.595+/-0.009 χ^2/NDF: 2270420.7/16

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

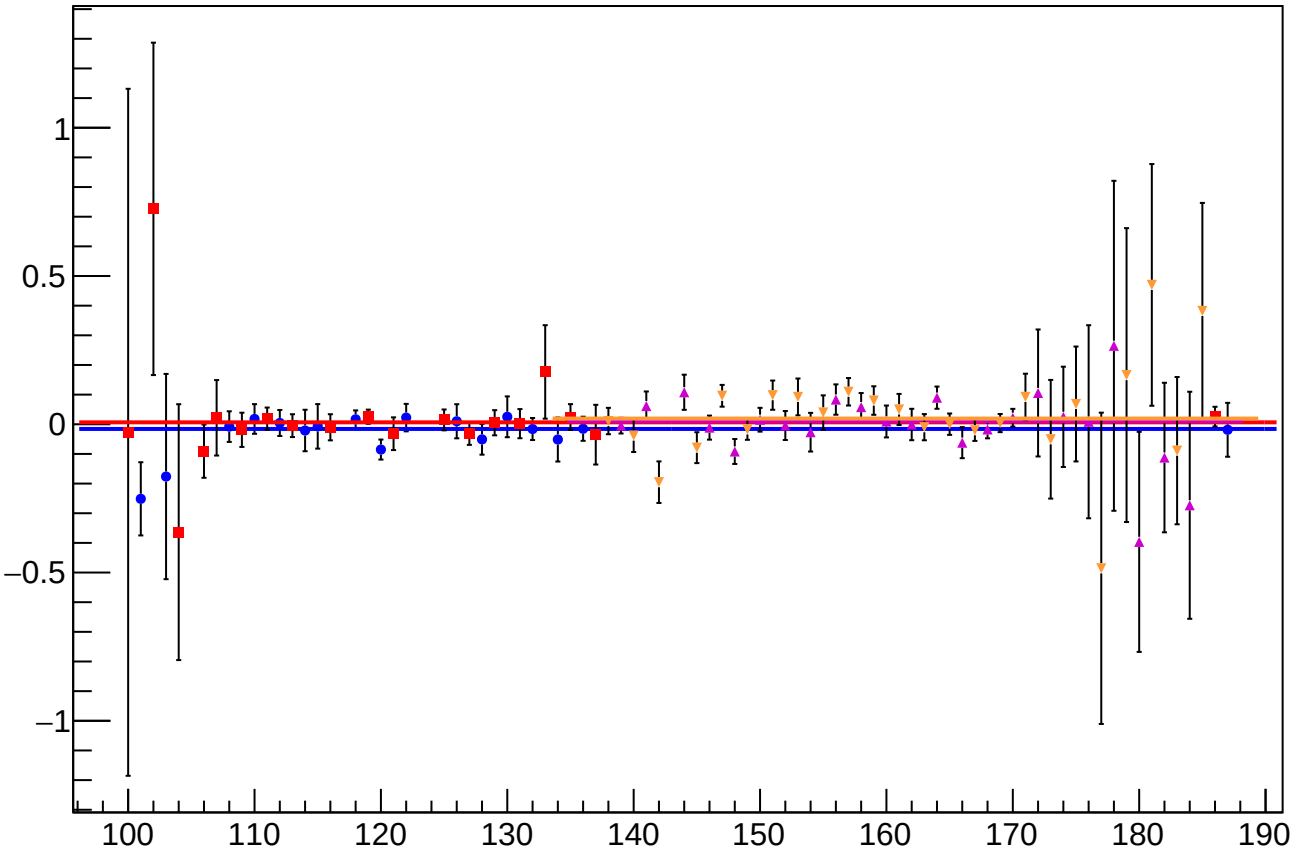
Right Out: 23.569+/-0.008 χ^2/NDF: 2980920.4/18

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.981+/-0.006 χ^2/NDF: 11252024.4/40

All: 31.654+/-0.004 χ^2/NDF: 25146560.2/82

- sign 29.684+/-0.005 χ^2/NDF: 13588880.0/41



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

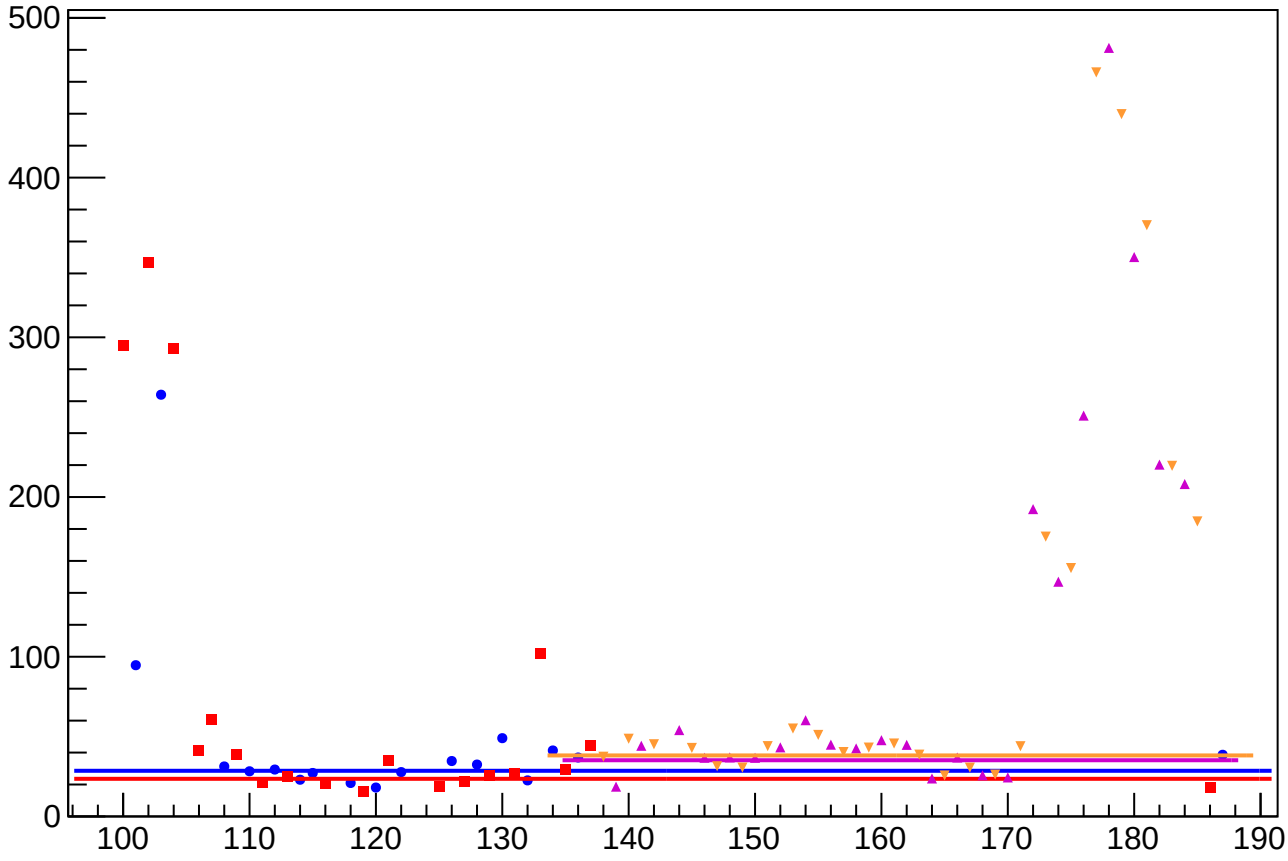
Right Out: 0.007+/-0.011 χ^2/NDF: 8.2/18

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.008 χ^2/NDF: 52.4/40

All: 0.006+/-0.005 χ^2/NDF: 84.5/82

- sign 0.009+/-0.007 χ^2/NDF: 31.9/41



Right In: 28.595+/-0.009 χ^2/NDF: 2270420.7/16

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

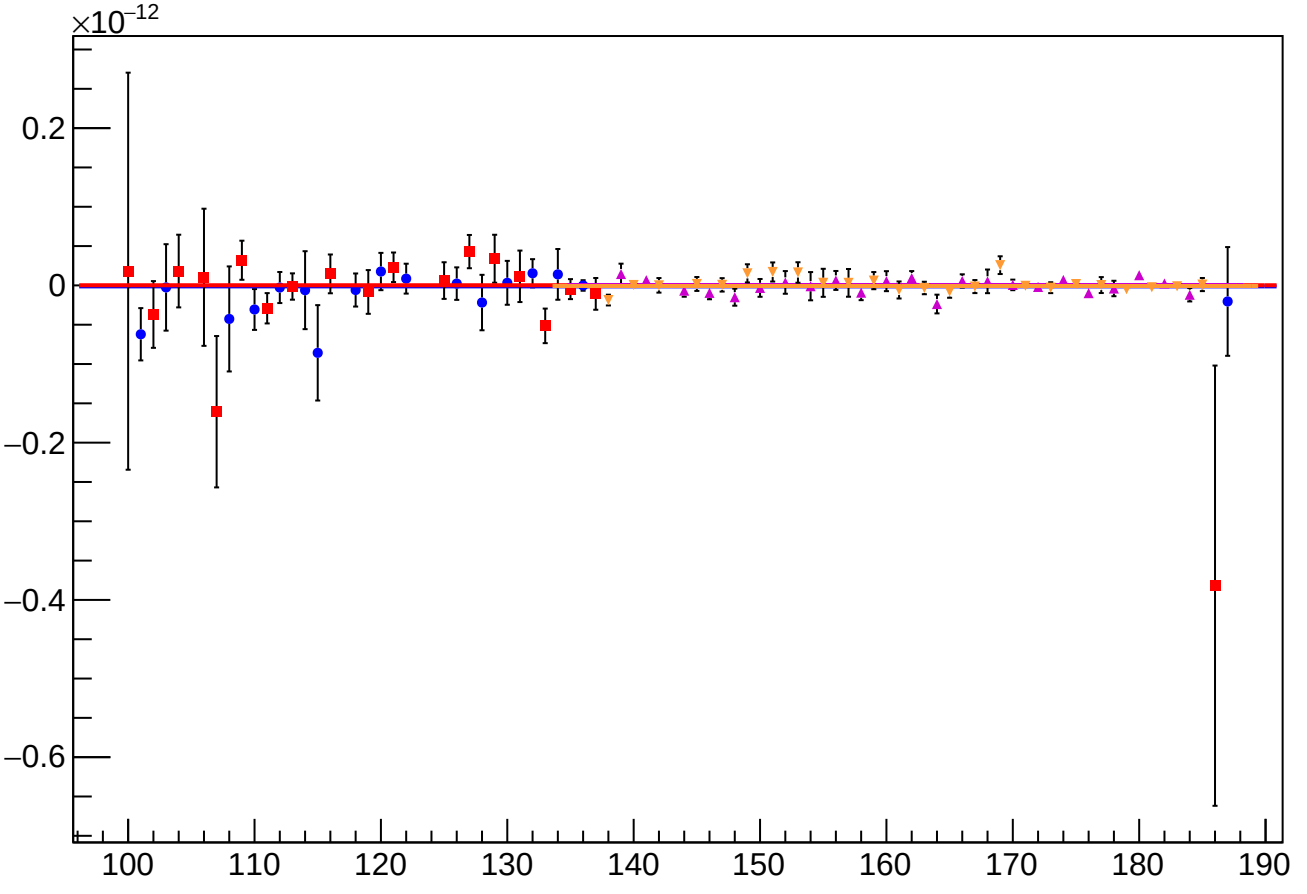
Right Out: 23.569+/-0.008 χ^2/NDF: 2980920.4/18

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 33.981+/-0.006 χ^2/NDF: 11252024.4/40

All: 31.654+/-0.004 χ^2/NDF: 25146560.2/82

- sign 29.684+/-0.005 χ^2/NDF: 13588880.0/41



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

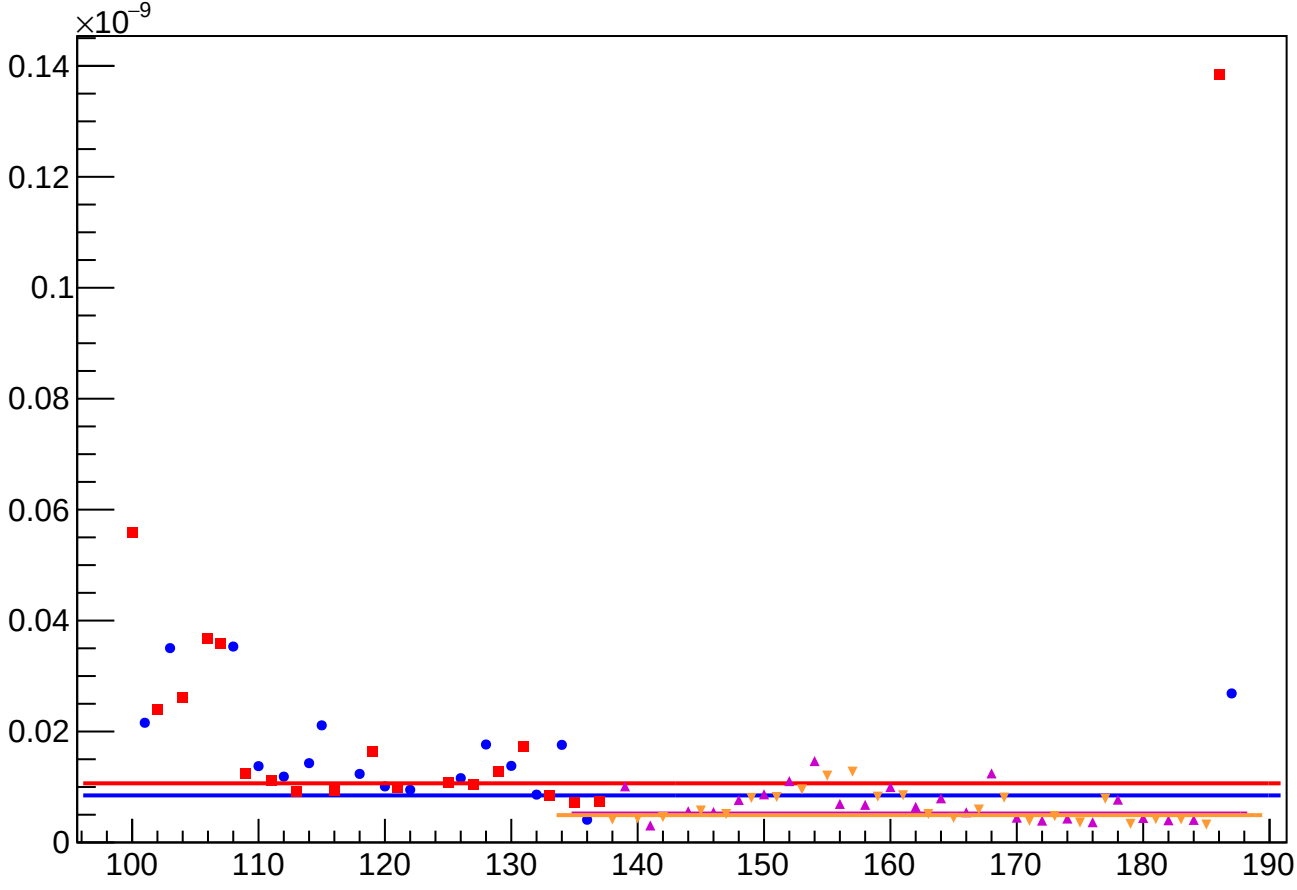
Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/18

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 30.6/40

All: -0.000+/-0.000 χ^2/NDF: 80.2/82

- sign 0.000+/-0.000 χ^2/NDF: 49.2/41



Right In: 0.000+/-0.000 χ^2/NDF: 2852166.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1650571.1/18

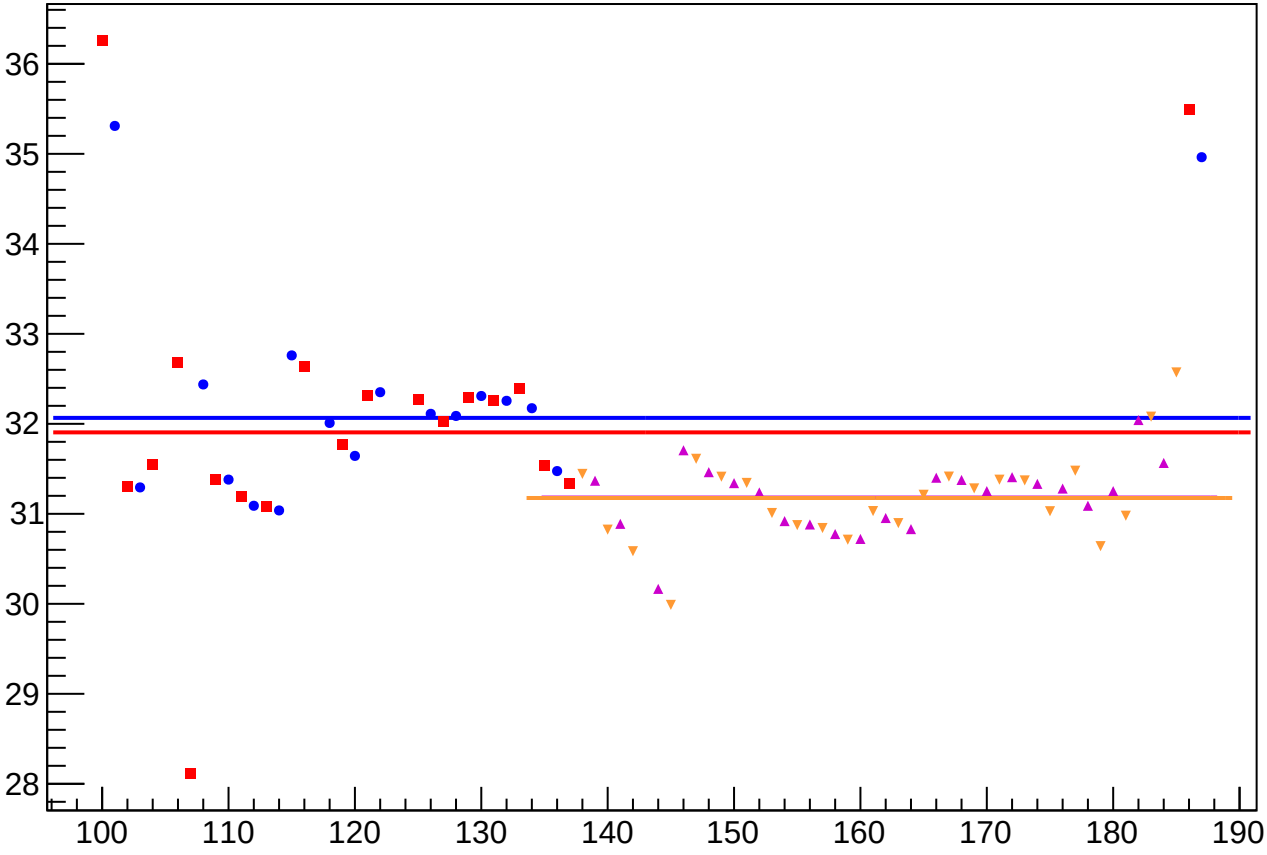
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6485865.2/40

All: 0.000+/-0.000 χ^2/NDF: 13376191.9/82

- sign 0.000+/-0.000 χ^2/NDF: 6832667.6/41

yield_usl_mean vs Slug



Right In: 32.066+/-0.000 χ^2/NDF: 972692985.5/16

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

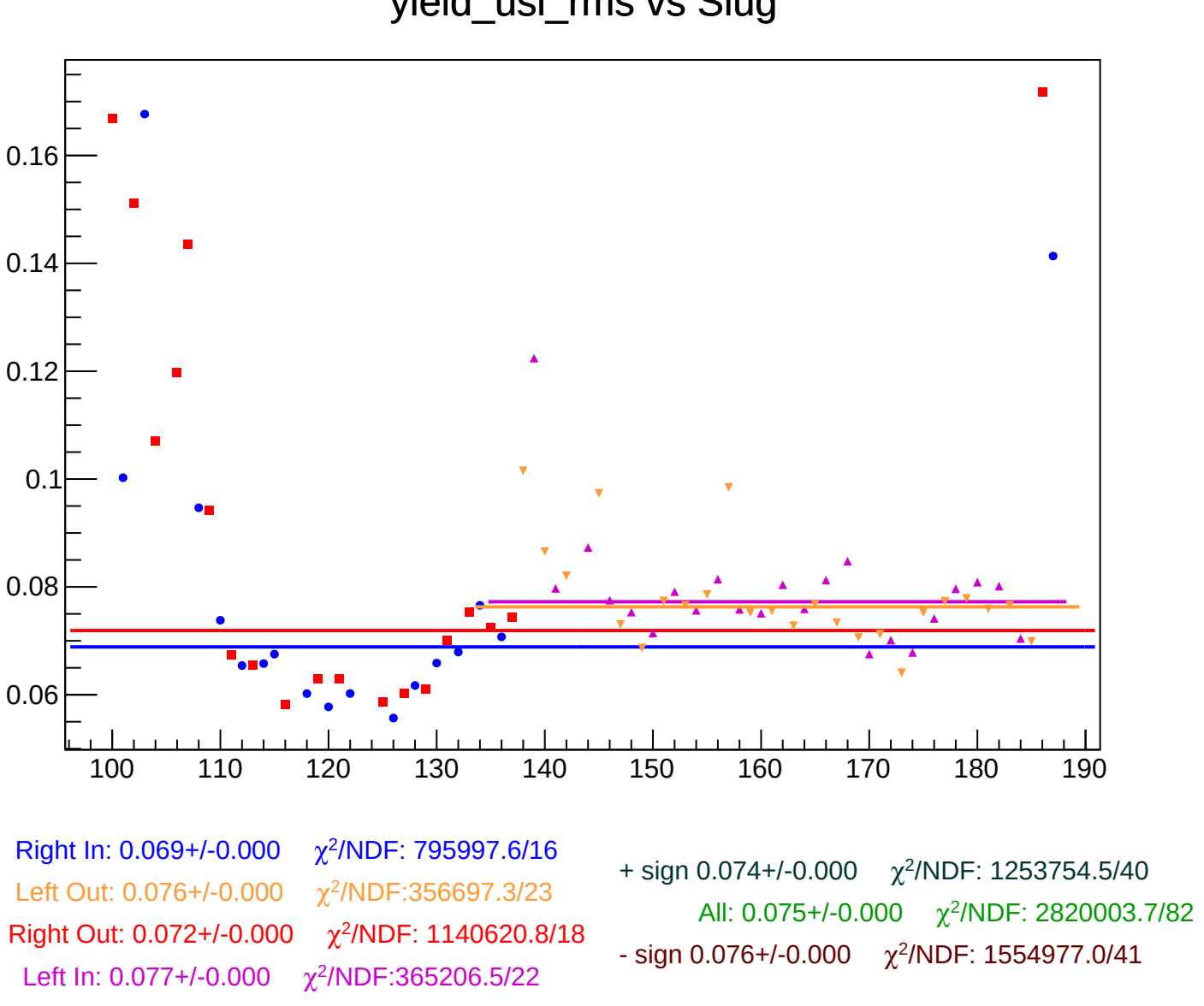
Right Out: 31.905+/-0.000 χ^2/NDF: 661955723.9/18

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

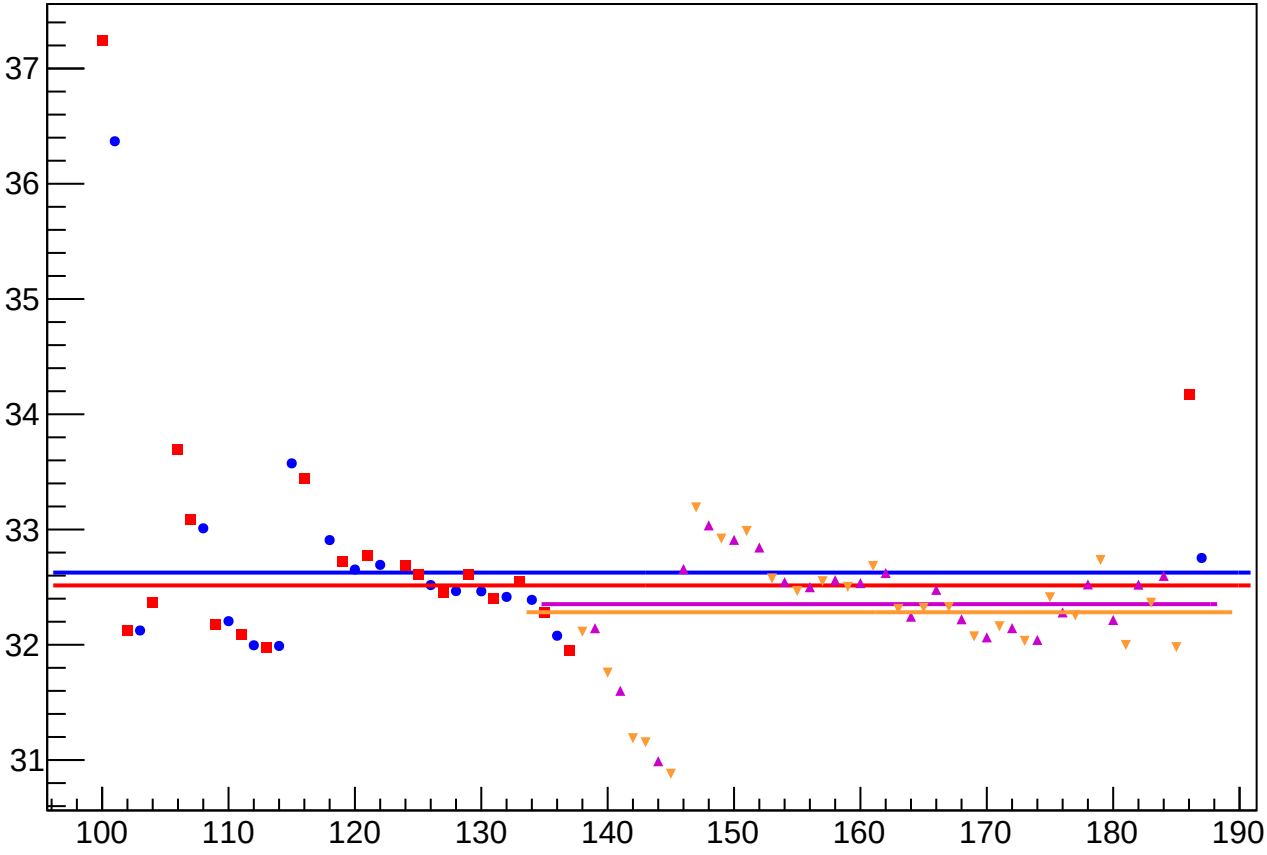
+ sign 31.460+/-0.000 χ^2/NDF: 2229359481.0/40

All: 31.434+/-0.000 χ^2/NDF: 3726191946.4/8

- sign 31.407+/-0.000 χ^2/NDF: 1491051710.1/41


yield_usl_rms vs Slug
0.16
0.14
0.12
0.1
0.08
0.06
100
110
120
130
140
150
160
170
180
190
Right In: 0.069+/-0.000 χ²/NDF: 795997.6/16
Left Out: 0.076+/-0.000 χ²/NDF:356697.3/23
Right Out: 0.072+/-0.000 χ²/NDF: 1140620.8/18
Left In: 0.077+/-0.000 χ²/NDF:365206.5/22
+ sign 0.074+/-0.000 χ²/NDF: 1253754.5/40
All: 0.075+/-0.000 χ²/NDF: 2820003.7/82
- sign 0.076+/-0.000 χ²/NDF: 1554977.0/41

yield_usr_mean vs Slug



Right In: 32.626+/-0.000 χ^2/NDF: 739280908.1/16

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.515+/-0.000 χ^2/NDF: 212462095.3/19

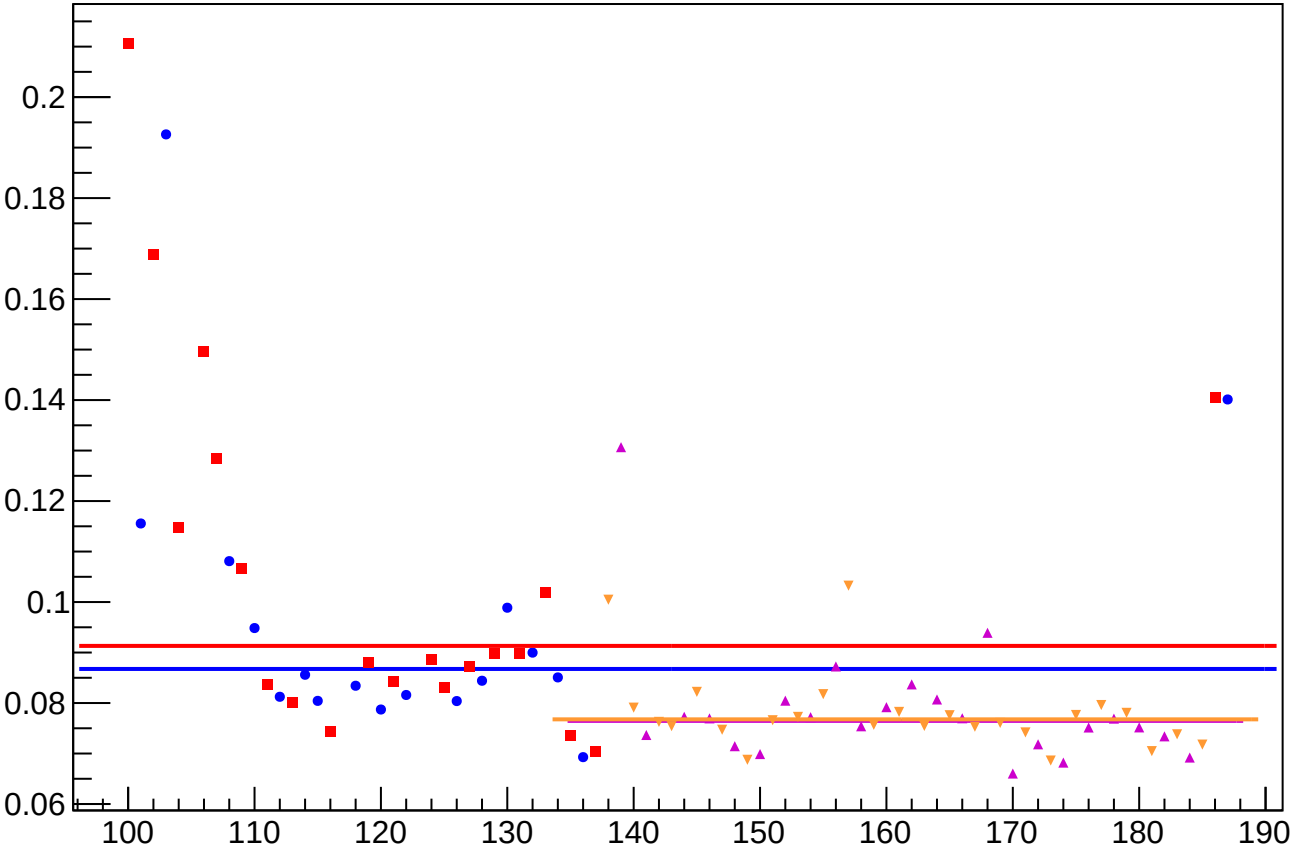
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.359+/-0.000 χ^2/NDF: 1656808136.1/41

All: 32.373+/-0.000 χ^2/NDF: 2477574482.5/8

- sign 32.388+/-0.000 χ^2/NDF: 819094963.3/42

yield_usr_rms vs Slug



Right In: 0.087+/-0.000 χ^2/NDF: 648221.6/16

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.091+/-0.000 χ^2/NDF: 720358.0/19

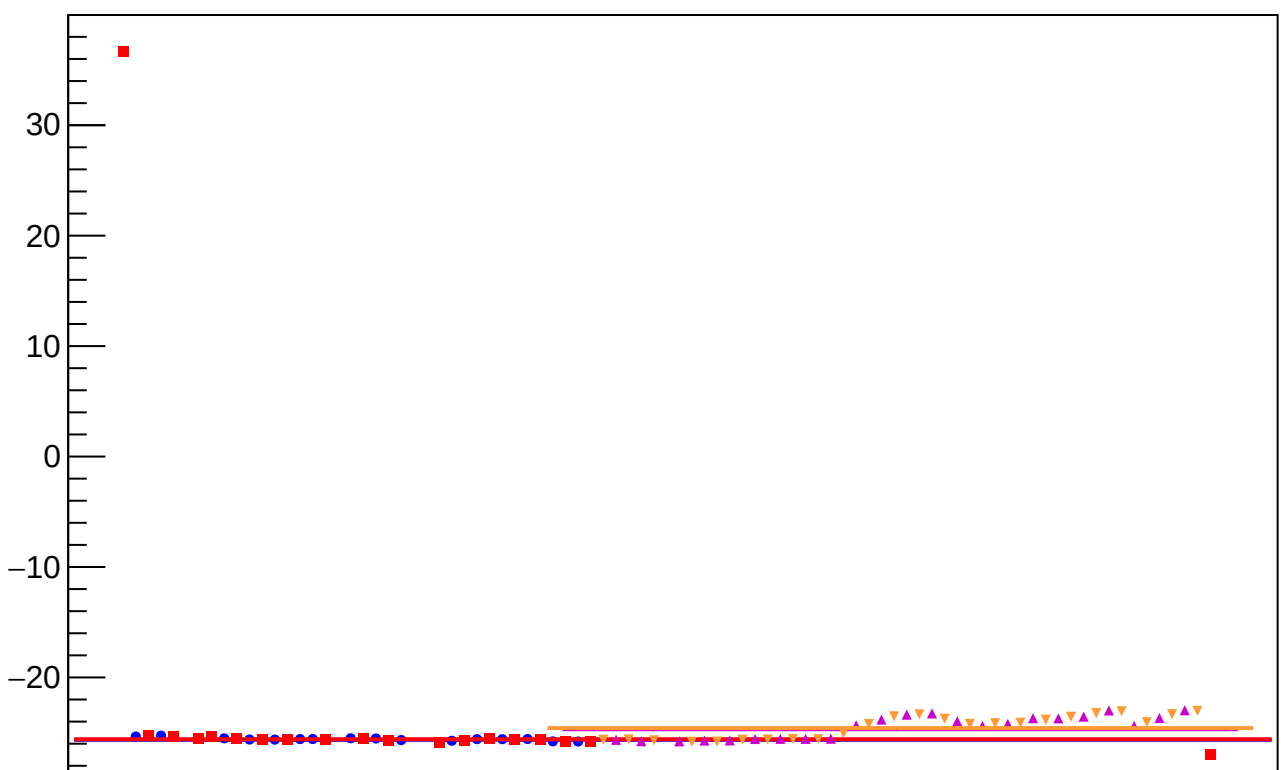
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.079+/-0.000 χ^2/NDF: 1031357.6/41

All: 0.079+/-0.000 χ^2/NDF: 2516225.1/84

- sign 0.080+/-0.000 χ^2/NDF: 1482676.3/42

yield_dsl_mean vs Slug



Right In: -25.643+/-0.000 χ^2/NDF: 1192574263.1/16

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.603+/-0.000 χ^2/NDF: 9248010012.1/18

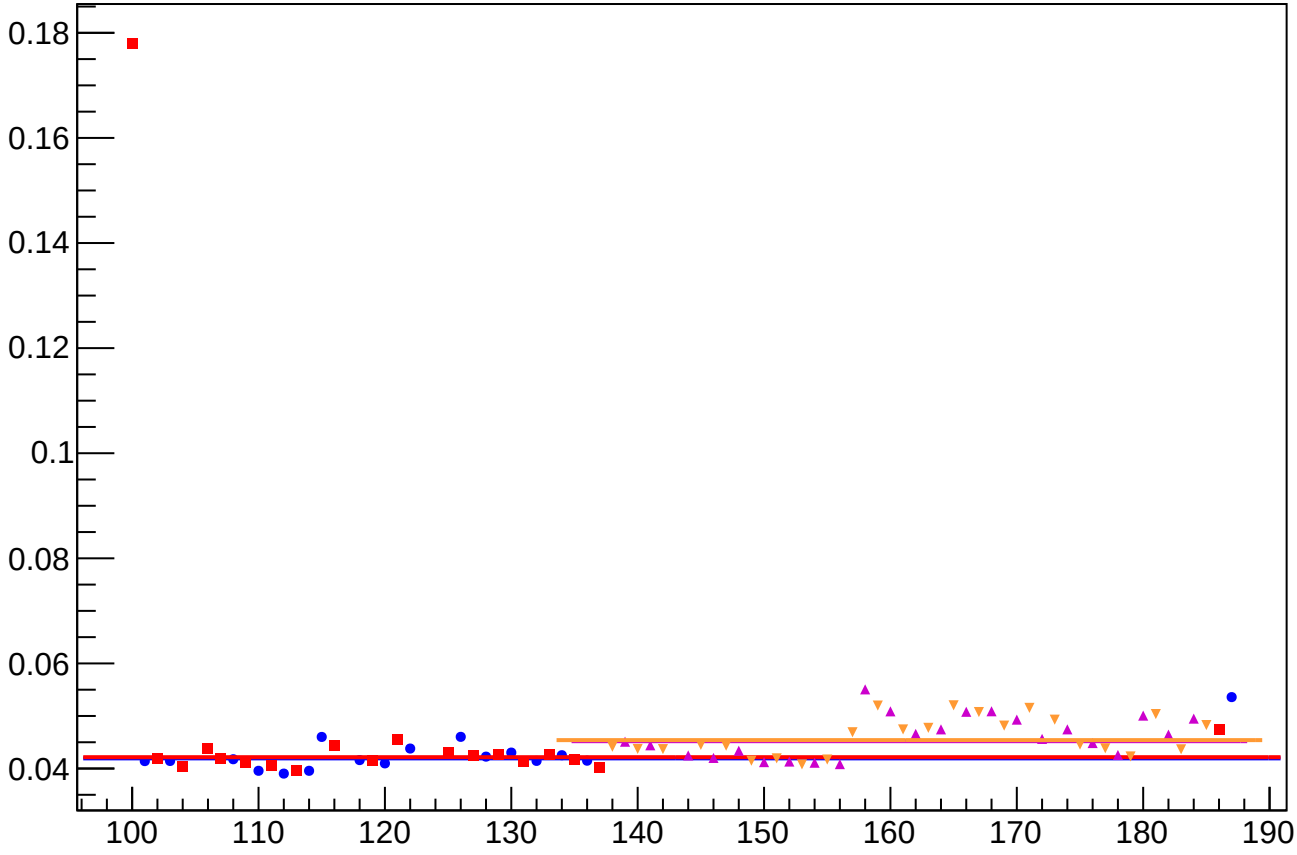
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -24.929+/-0.000 χ^2/NDF: 13526651930.4/40

All: -24.960+/-0.000 χ^2/NDF: 34025574276.8

- sign -24.991+/-0.000 χ^2/NDF: 20473928211.1/41

yield_dsl_rms vs Slug



Right In: 0.042+/-0.000 χ^2/NDF: 38624.9/16

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.042+/-0.000 χ^2/NDF: 110419.5/18

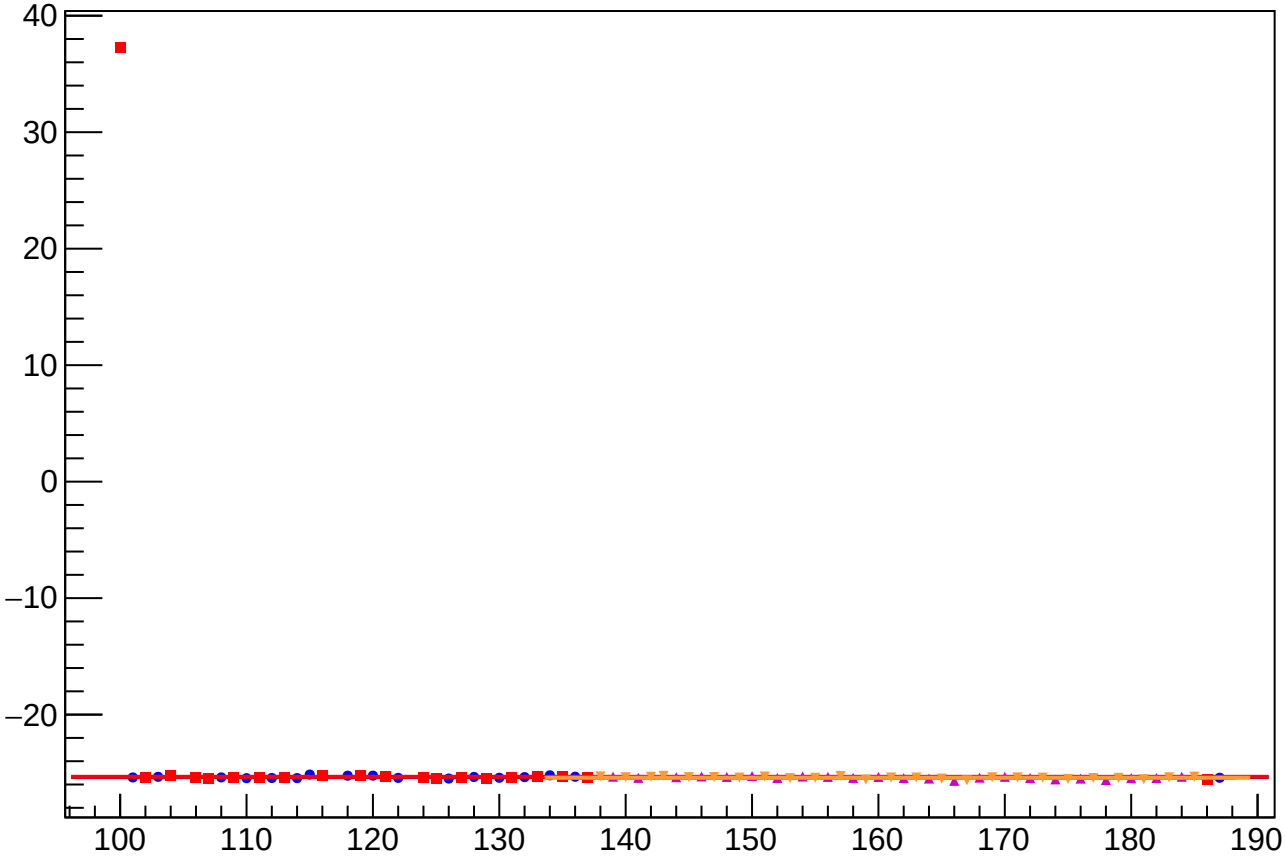
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.044+/-0.000 χ^2/NDF: 312269.2/40

All: 0.044+/-0.000 χ^2/NDF: 720898.1/82

- sign 0.044+/-0.000 χ^2/NDF: 408540.4/41

yield_dsr_mean vs Slug



Right In: -25.363+/-0.000 χ^2/NDF: 13566993.9/16

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.339+/-0.000 χ^2/NDF: 6323276058.2/19

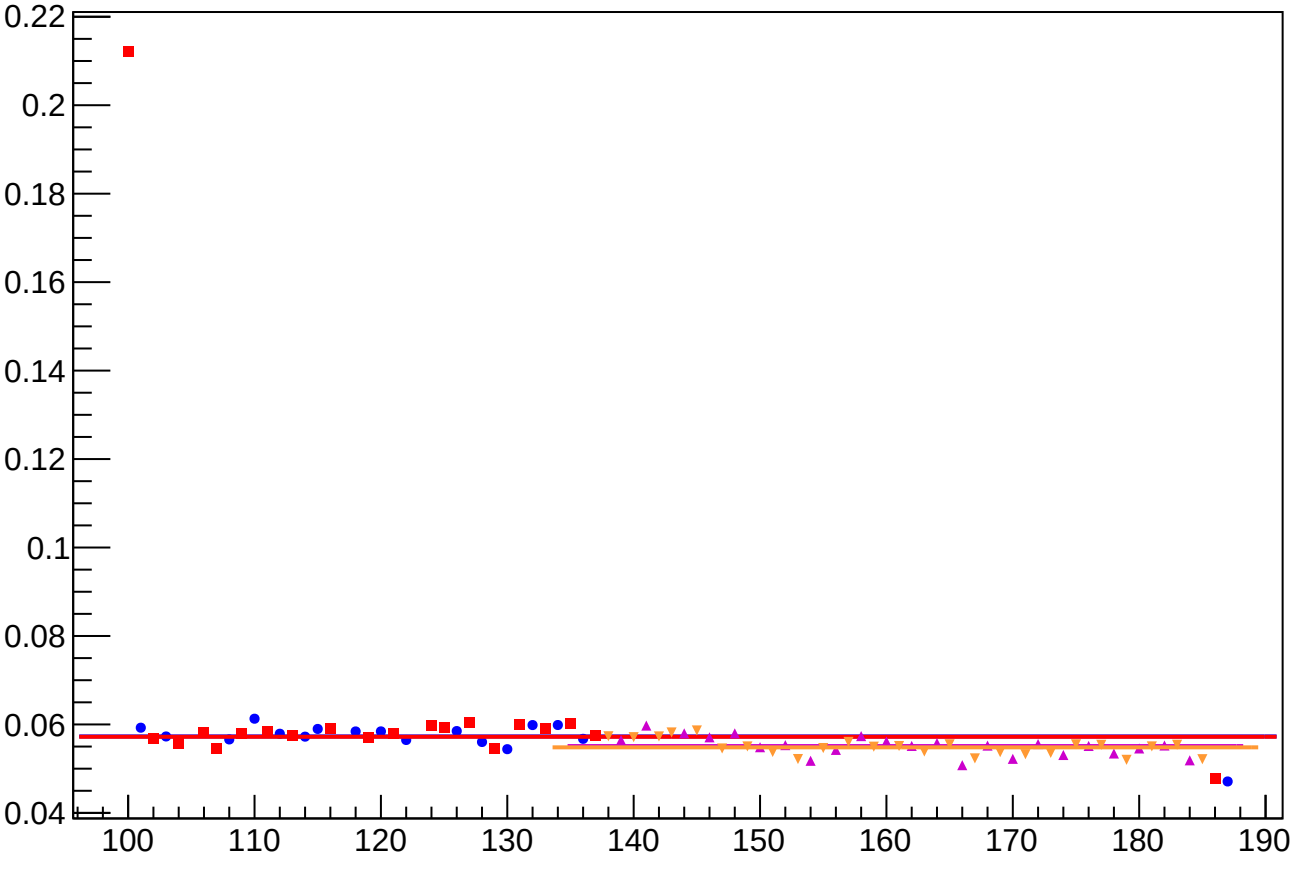
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.403+/-0.000 χ^2/NDF: 70543626.4/41

All: -25.398+/-0.000 χ^2/NDF: 6459399208.8/

- sign -25.393+/-0.000 χ^2/NDF: 6388454711.6/42

yield_dsr_rms vs Slug



Right In: 0.057+/-0.000 χ^2/NDF: 29878.4/16

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

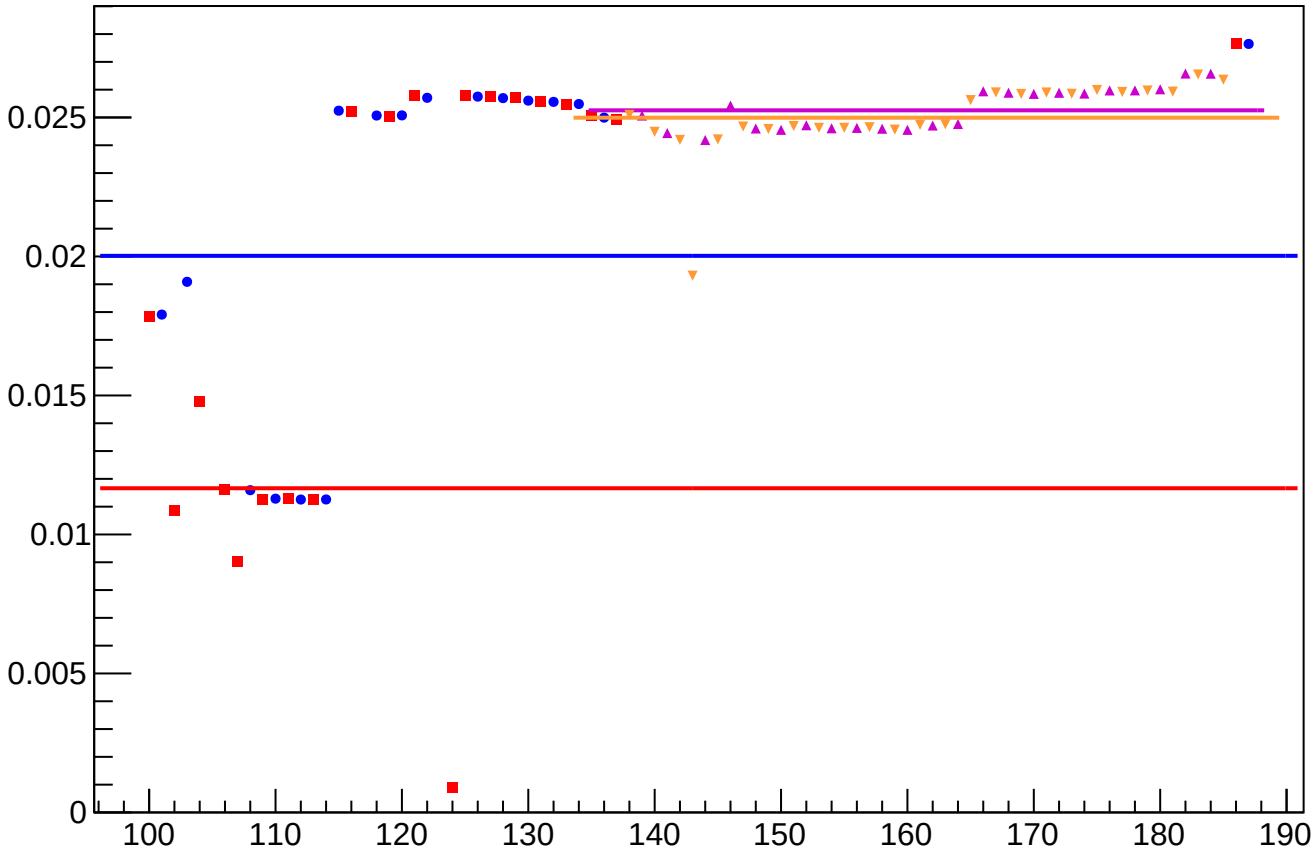
Right Out: 0.057+/-0.000 χ^2/NDF: 123341.3/19

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.055+/-0.000 χ^2/NDF: 87680.7/41

All: 0.056+/-0.000 χ^2/NDF: 277705.1/84

- sign 0.056+/-0.000 χ^2/NDF: 189525.4/42



Right In: 0.020+/-0.000 χ^2/NDF: 63541176943.3/16

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 262953529809.1/19

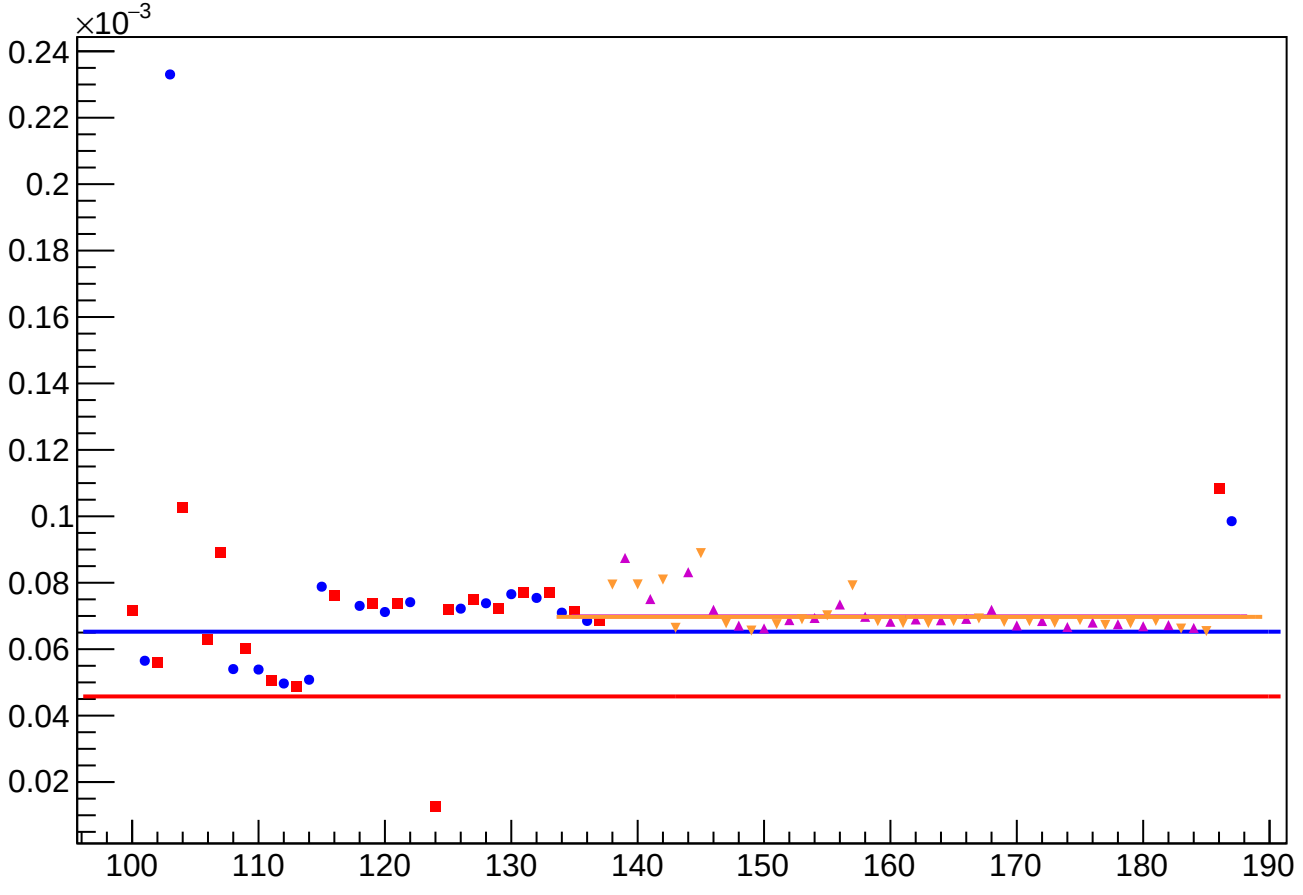
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 99123146203.1/41

All: 0.021+/-0.000 χ^2/NDF: 686564805445.6

- sign 0.020+/-0.000 χ^2/NDF: 543697144298.1/42

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 857890.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

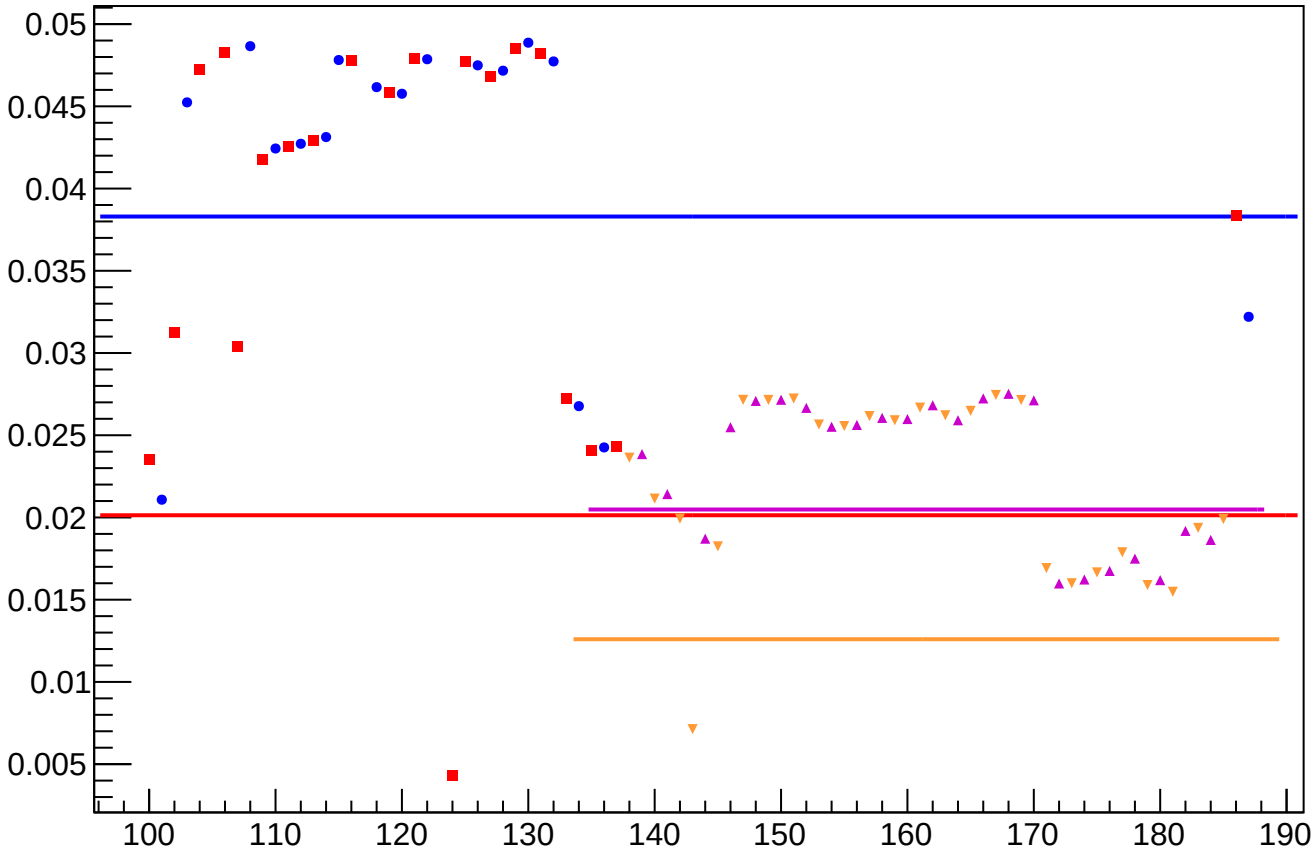
Right Out: 0.000+/-0.000 χ^2/NDF: 4046759.7/19

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1090789.7/41

All: 0.000+/-0.000 χ^2/NDF: 7458033.2/84

- sign 0.000+/-0.000 χ^2/NDF: 5951376.7/42



Right In: 0.038+/-0.000 χ^2/NDF: 7110046809.7/16

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

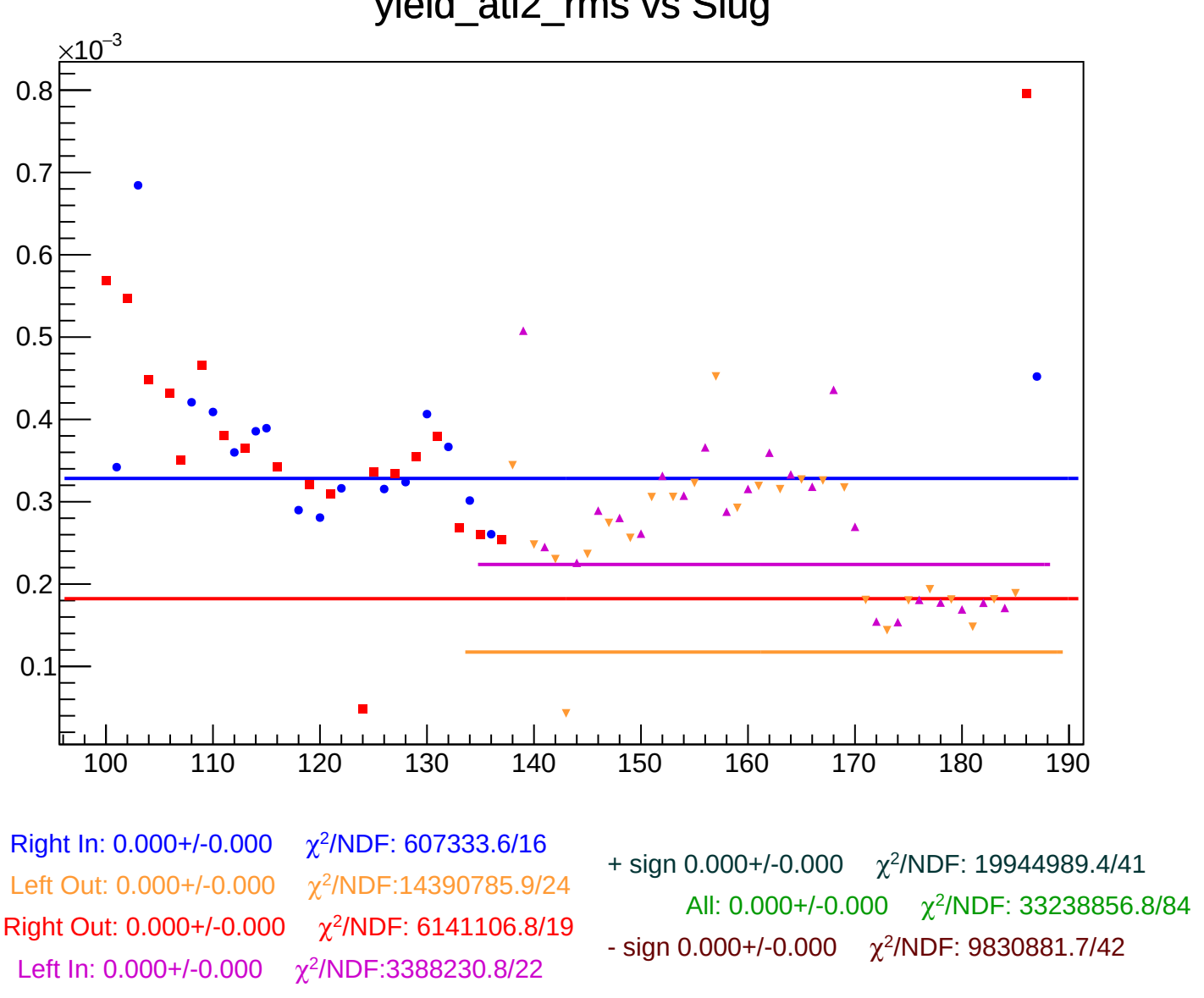
Right Out: 0.020+/-0.000 χ^2/NDF: 42397067399.5/19

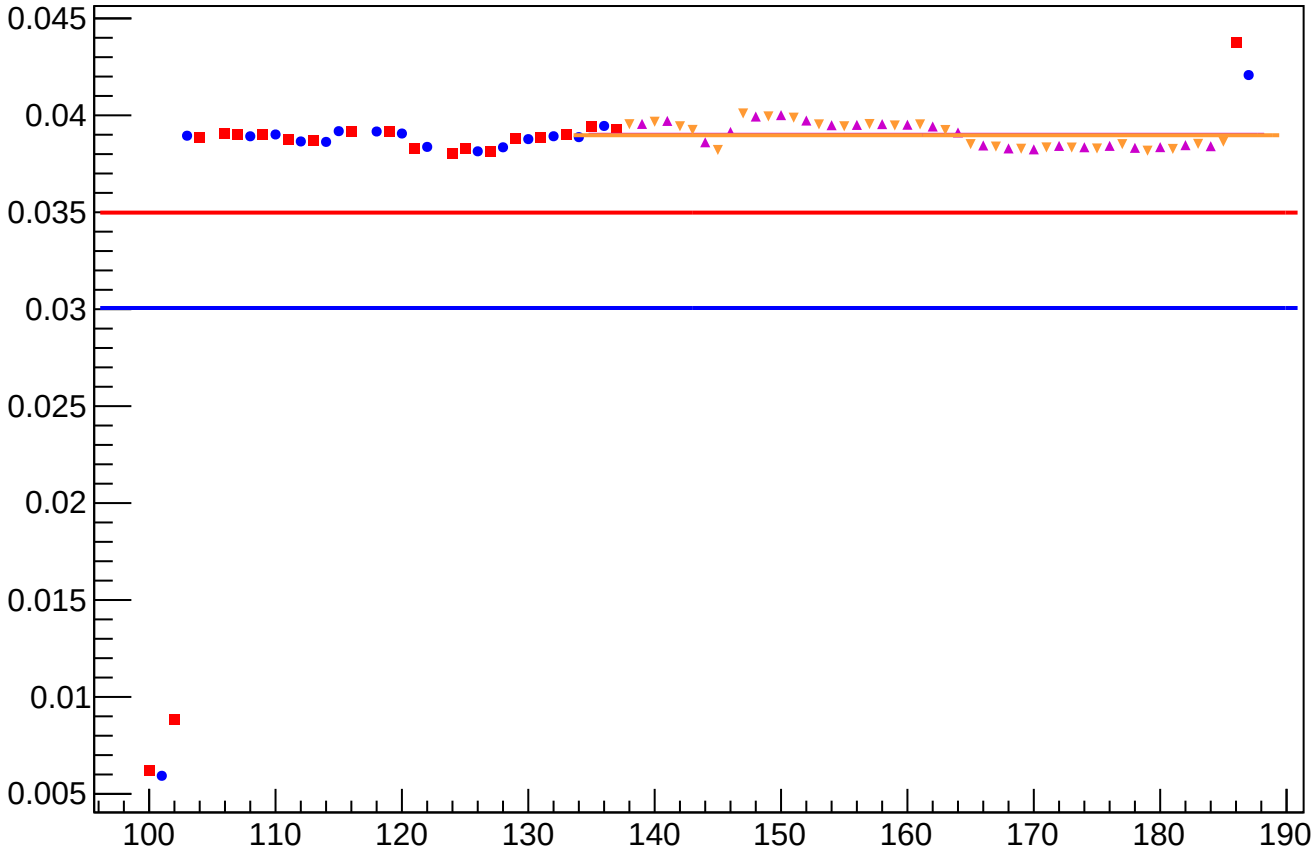
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.014+/-0.000 χ^2/NDF: 81182233023.2/41

All: 0.017+/-0.000 χ^2/NDF: 139357955665.2

- sign 0.020+/-0.000 χ^2/NDF: 48507619414.2/42


yield_atl2_rms vs Slug
×10^−3
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 607333.6/16
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6141106.8/19
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
+ sign 0.000+/-0.000 χ²/NDF: 19944989.4/41
All: 0.000+/-0.000 χ²/NDF: 33238856.8/84
- sign 0.000+/-0.000 χ²/NDF: 9830881.7/42



Right In: 0.030+/-0.000 χ^2/NDF: 108812158300.8/16

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

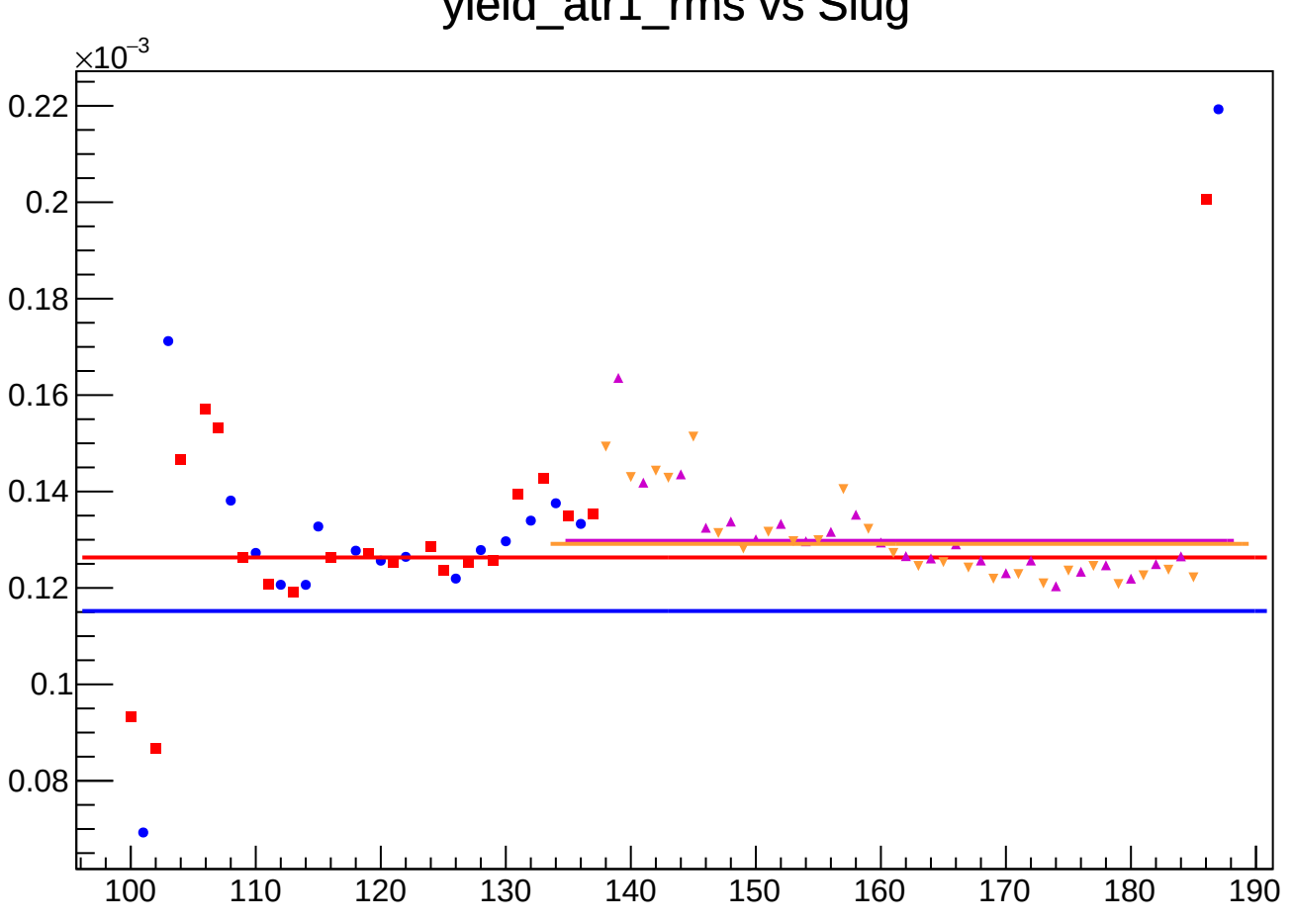
Right Out: 0.035+/-0.000 χ^2/NDF: 48042347092.7/19

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.036+/-0.000 χ^2/NDF: 137241346172.0/41

All: 0.037+/-0.000 χ^2/NDF: 192823595077.7

- sign 0.038+/-0.000 χ^2/NDF: 53589542503.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 933630.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 372378.4/19

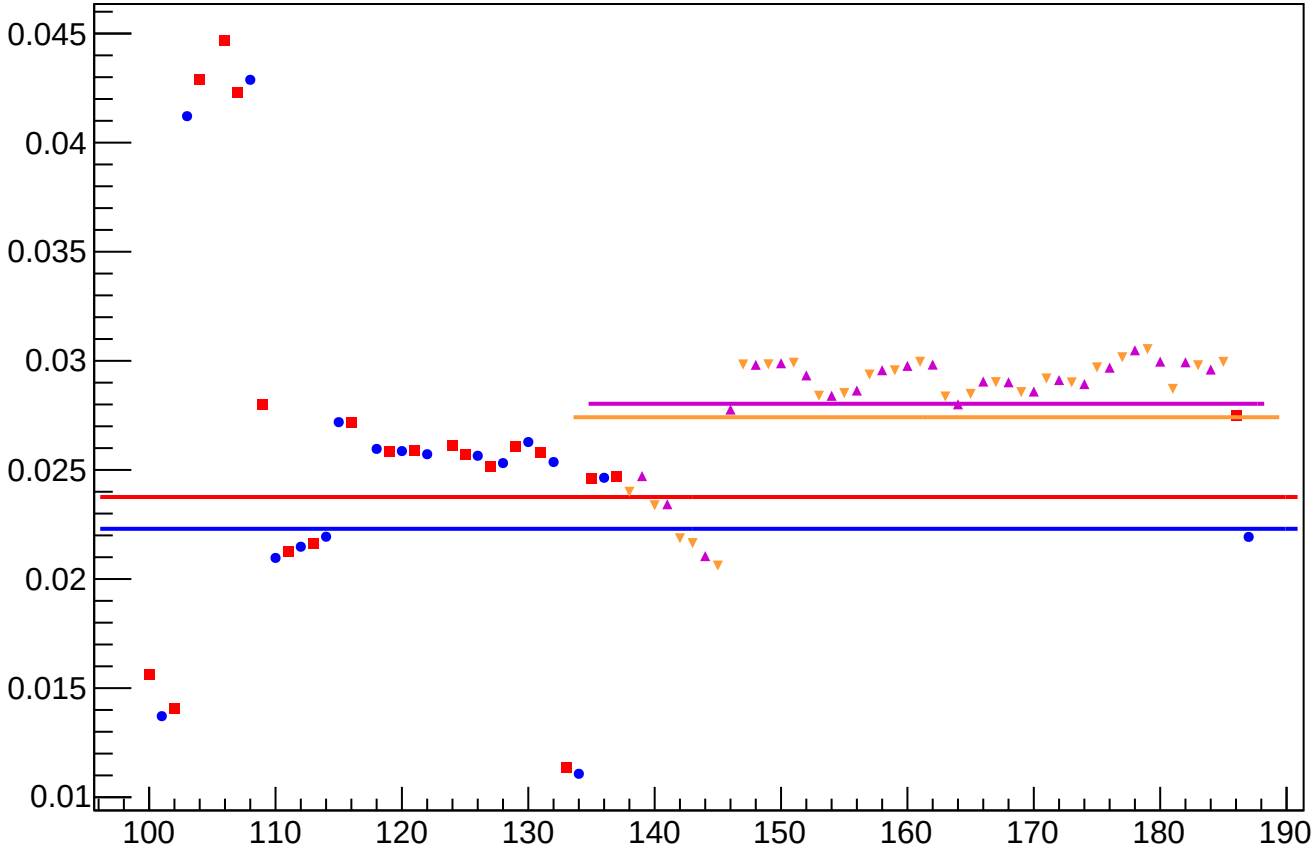
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 1227796.9/41

All: 0.000+/-0.000 χ^2/NDF: 1773909.3/84

- sign 0.000+/-0.000 χ^2/NDF: 521797.7/42

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5012715230.7/16

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.024+/-0.000 χ^2/NDF: 5599857920.4/19

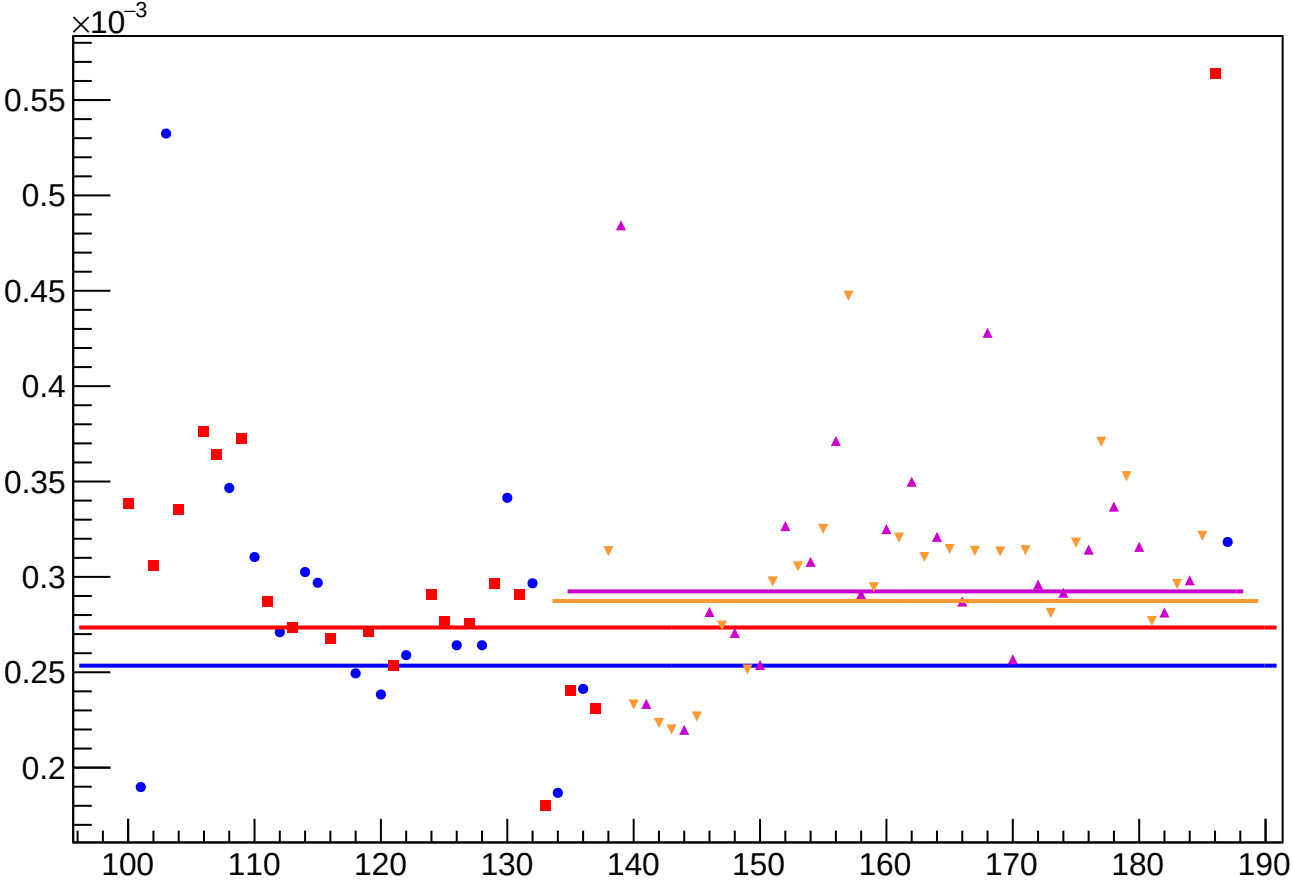
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9014579937.5/41

All: 0.026+/-0.000 χ^2/NDF: 17352471155.8/8

- sign 0.027+/-0.000 χ^2/NDF: 8214913949.8/42

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 721837.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

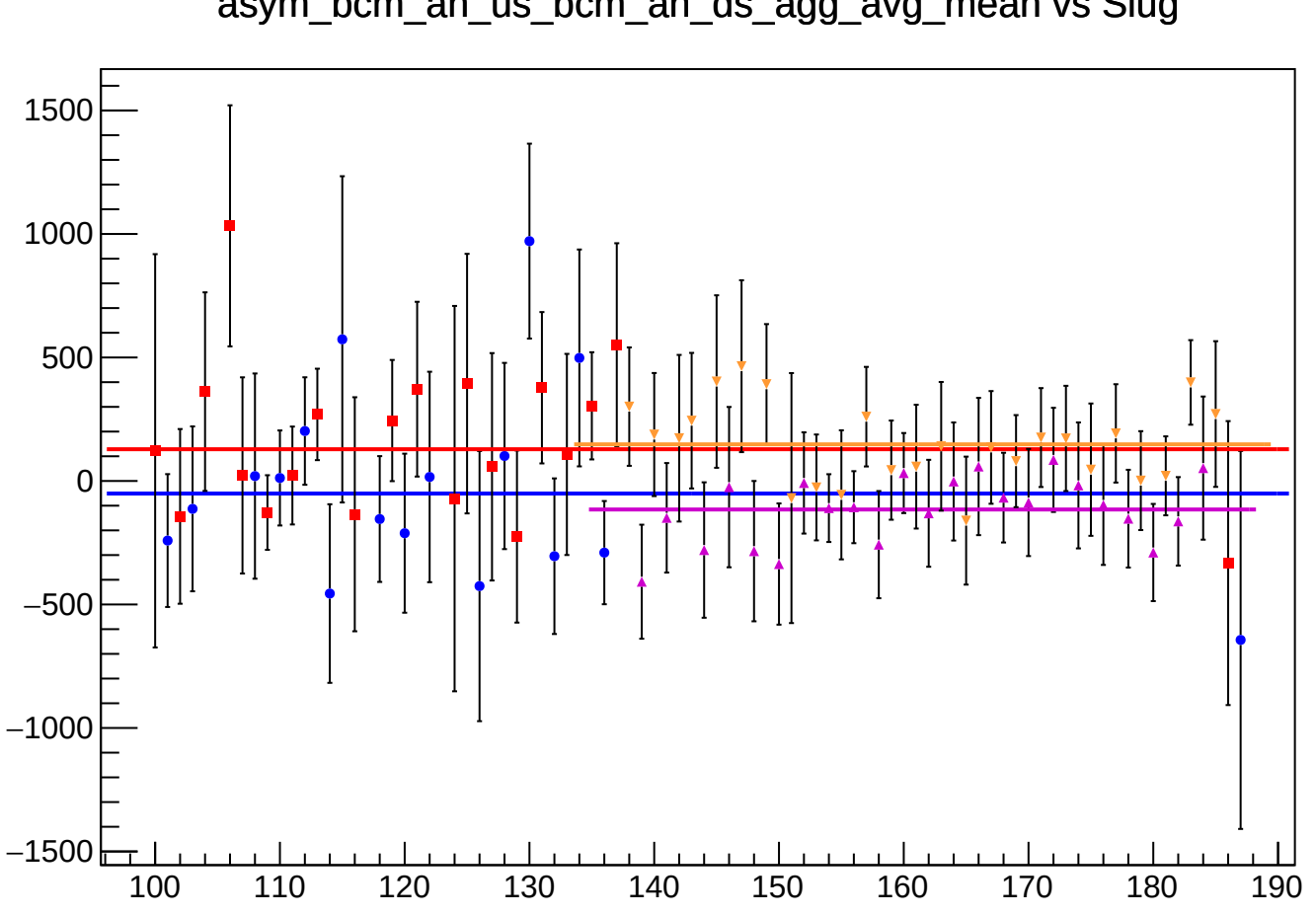
Right Out: 0.000+/-0.000 χ^2/NDF: 661205.6/19

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 1698368.9/41

All: 0.000+/-0.000 χ^2/NDF: 3403342.8/84

- sign 0.000+/-0.000 χ^2/NDF: 1675698.1/42



Right In: -50.793+/-75.823 χ^2/NDF: 16.1/16

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 128.533+/-67.590 χ^2/NDF: 13.6/19

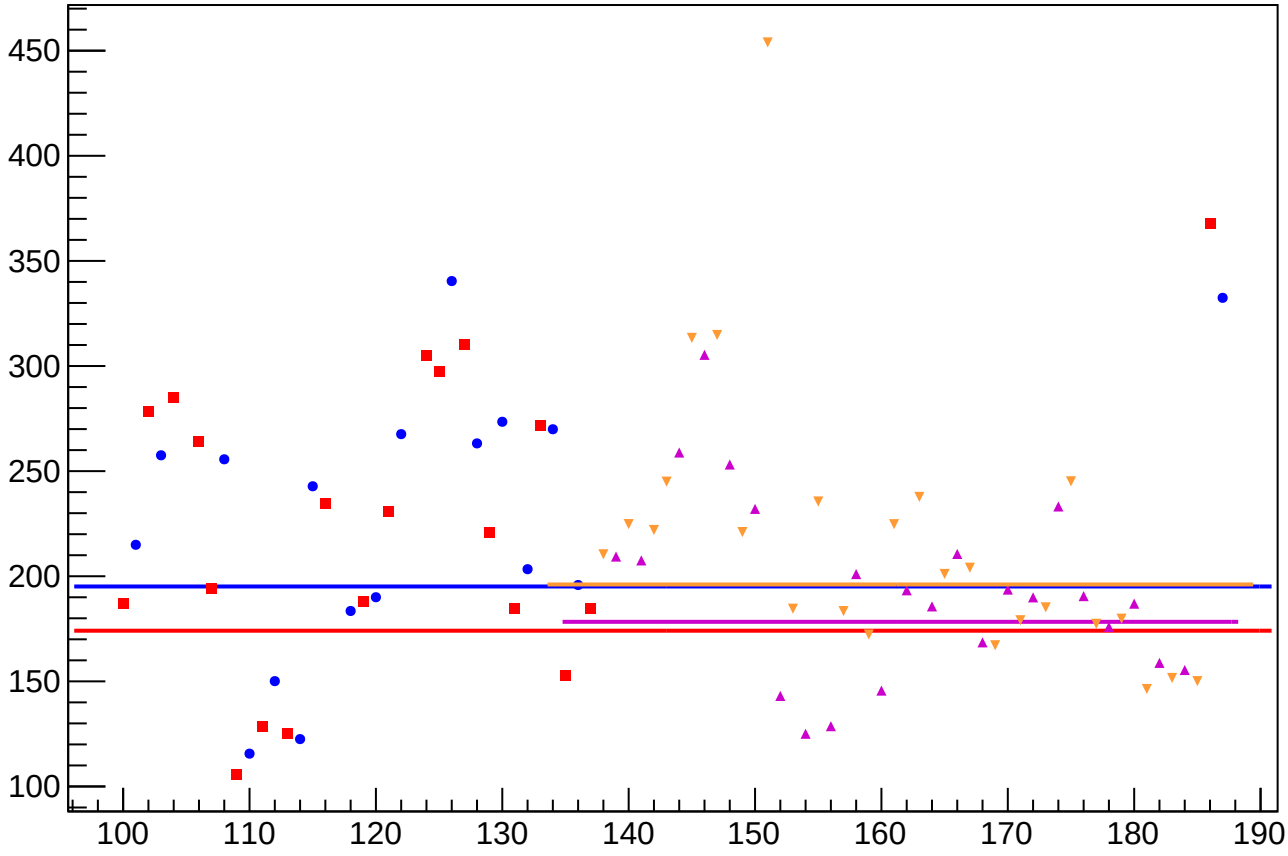
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 94.344+/-39.465 χ^2/NDF: 31.5/41

All: 20.081+/-26.844 χ^2/NDF: 68.6/84

- sign -43.858+/-36.619 χ^2/NDF: 30.5/42

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.129+/-0.054 χ^2/NDF: 1113124.9/16

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

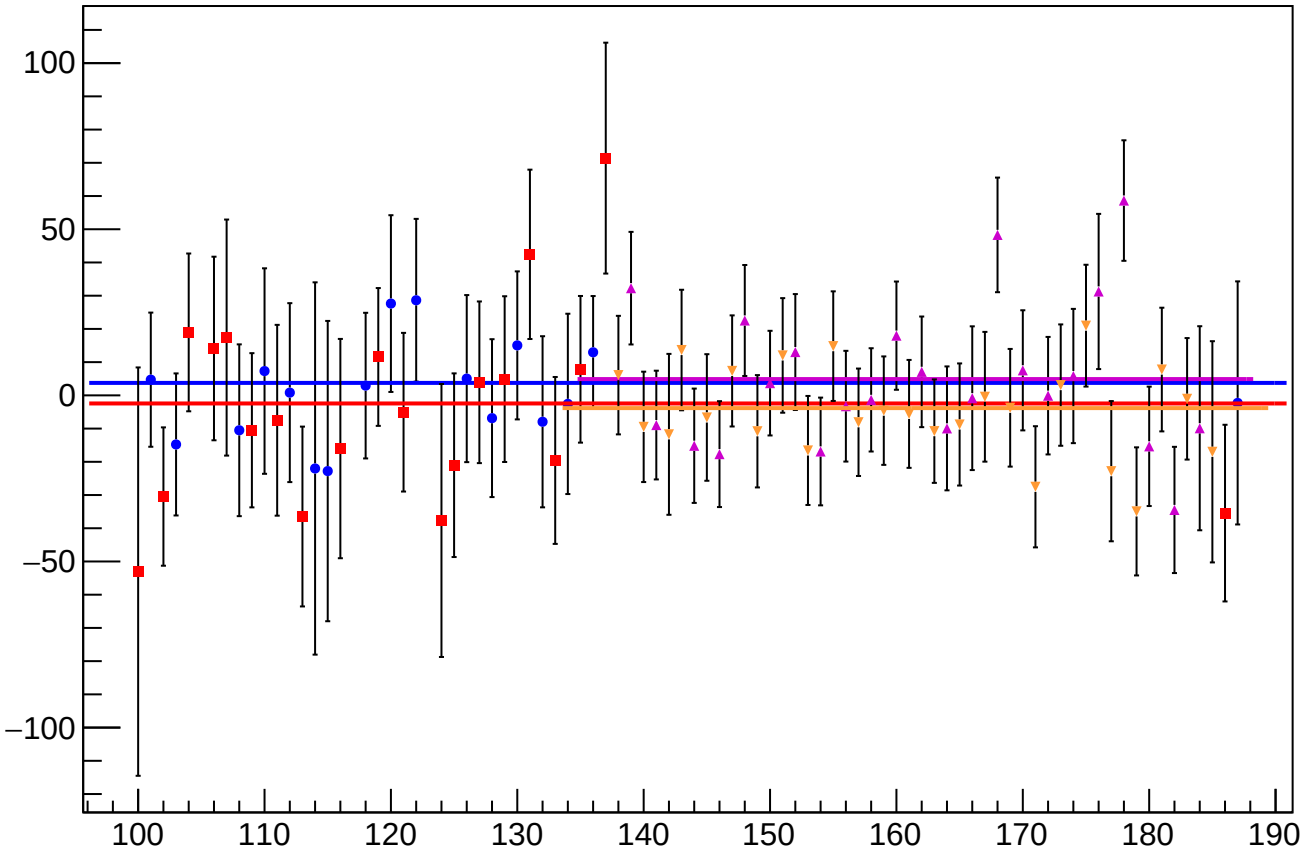
Right Out: 174.094+/-0.048 χ^2/NDF: 1887833.4/19

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 195.827+/-0.028 χ^2/NDF: 2931850.3/41

All: 185.752+/-0.019 χ^2/NDF: 6746098.2/84

- sign 177.078+/-0.026 χ^2/NDF: 3571686.9/42



Right In: 3.752+/-6.086 χ^2/NDF: 4.5/16

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

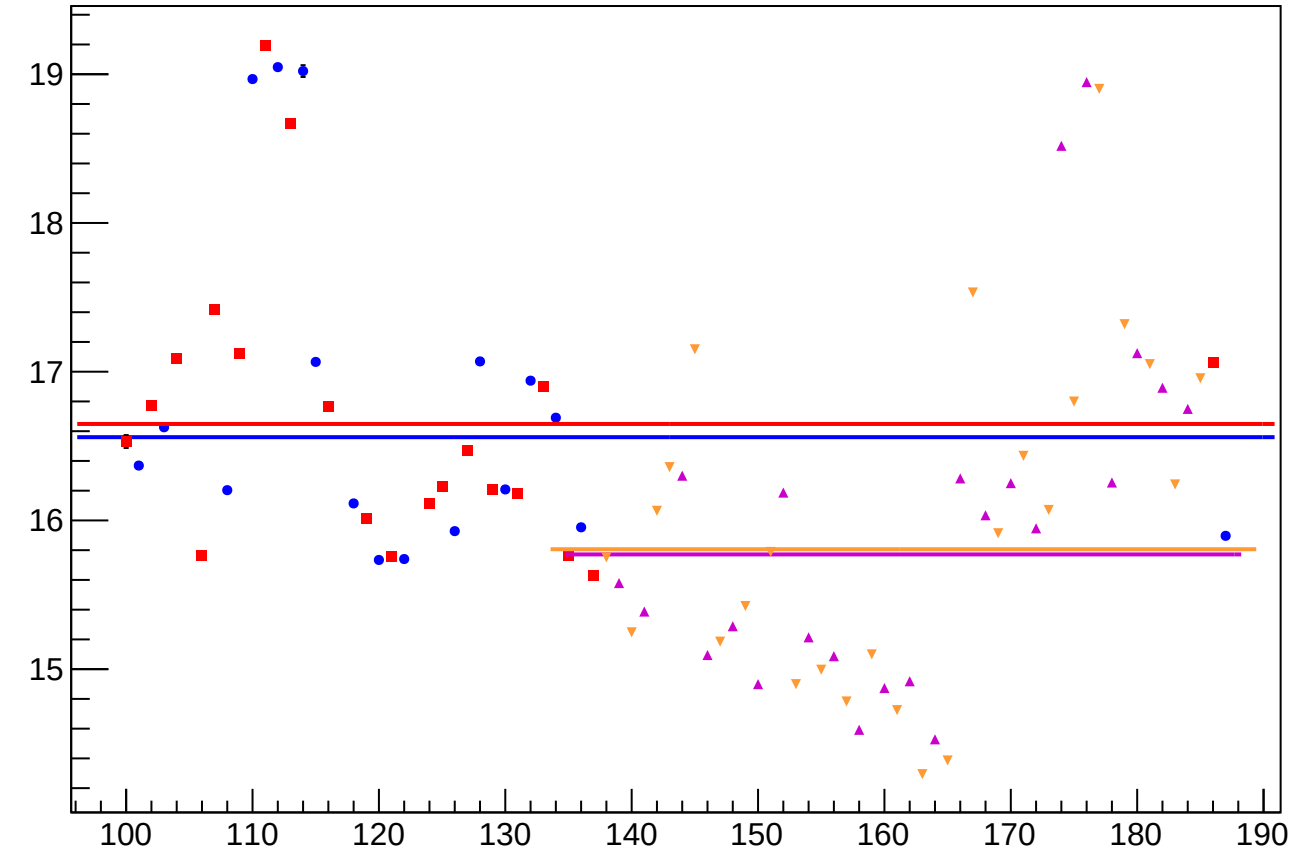
Right Out: -2.438+/-5.924 χ^2/NDF: 17.5/19

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign -1.866+/-3.100 χ^2/NDF: 18.5/41

All: 0.464+/-2.204 χ^2/NDF: 72.2/84

- sign 2.847+/-3.135 χ^2/NDF: 52.5/42



Right In: 16.560+/-0.004 χ^2/NDF: 45251.7/16

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

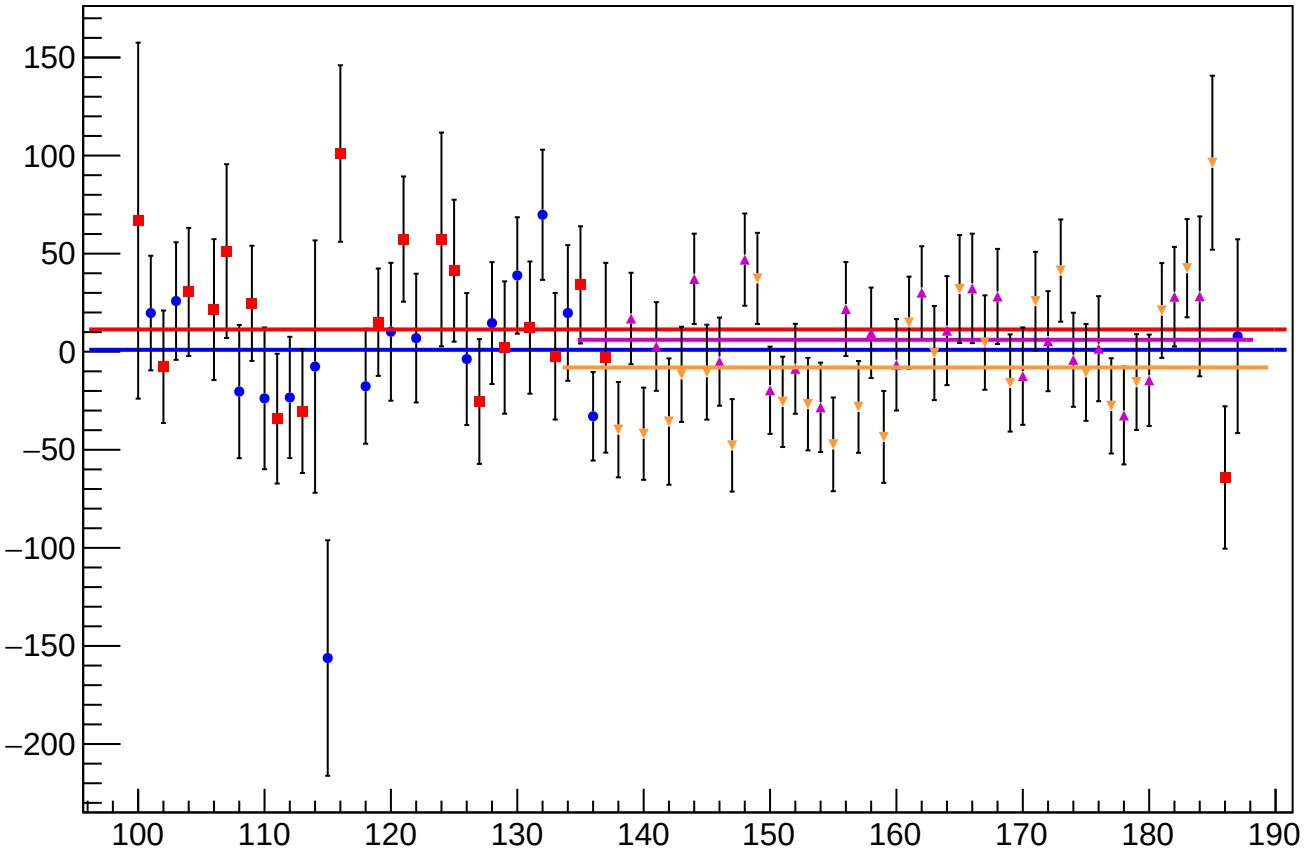
Right Out: 16.649+/-0.004 χ^2/NDF: 43977.7/19

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 16.002+/-0.002 χ^2/NDF: 240603.0/41

All: 16.009+/-0.002 χ^2/NDF: 468312.1/84

\- sign 16.017+/-0.002 χ^2/NDF: 227684.9/42



Right In: 0.977+/-8.017 χ^2/NDF: 18.7/16

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

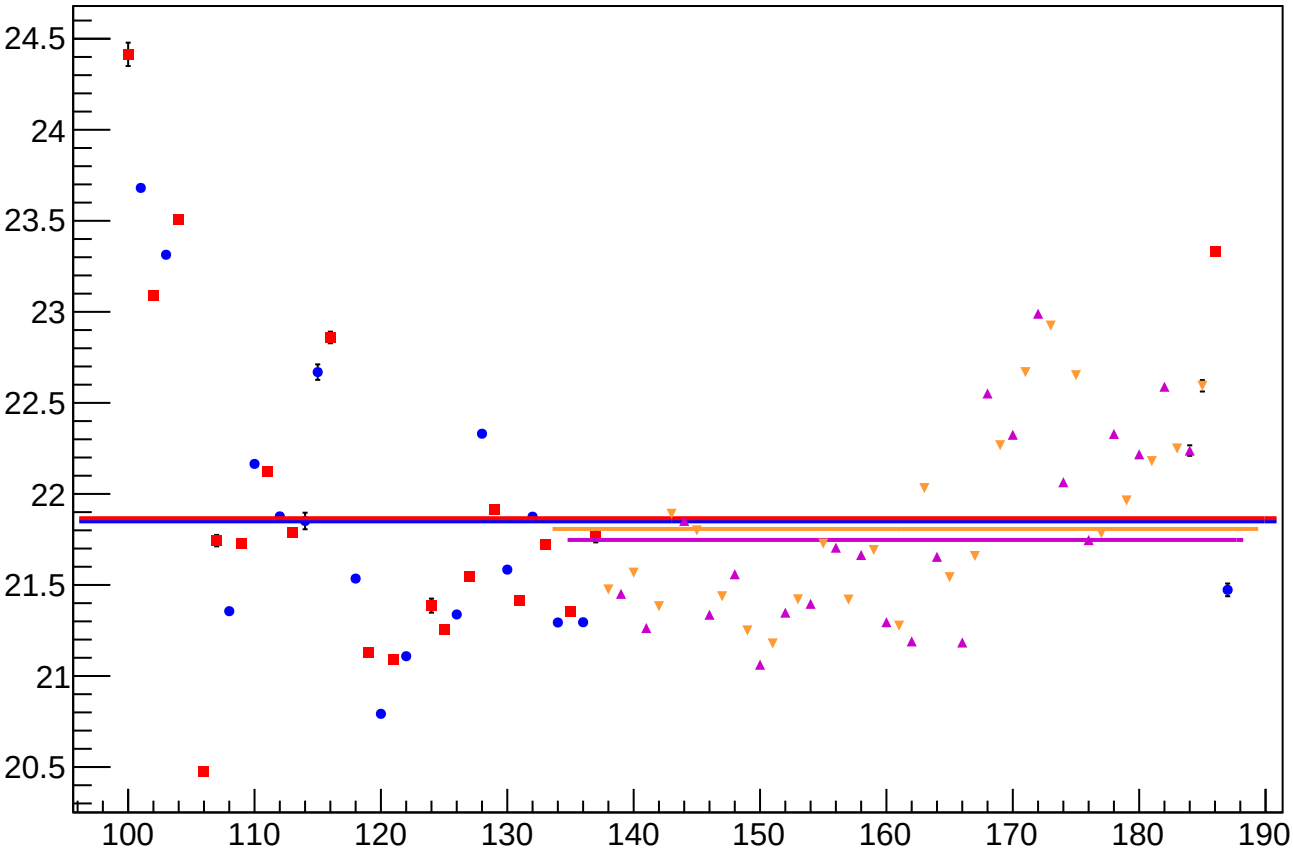
Right Out: 11.357+/-7.769 χ^2/NDF: 19.9/19

Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -5.529+/-4.216 χ^2/NDF: 58.4/41

All: 1.011+/-2.994 χ^2/NDF: 101.4/84

- sign 7.665+/-4.252 χ^2/NDF: 38.1/42



Right In: 21.849+/-0.006 χ^2/NDF: 19587.3/16

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

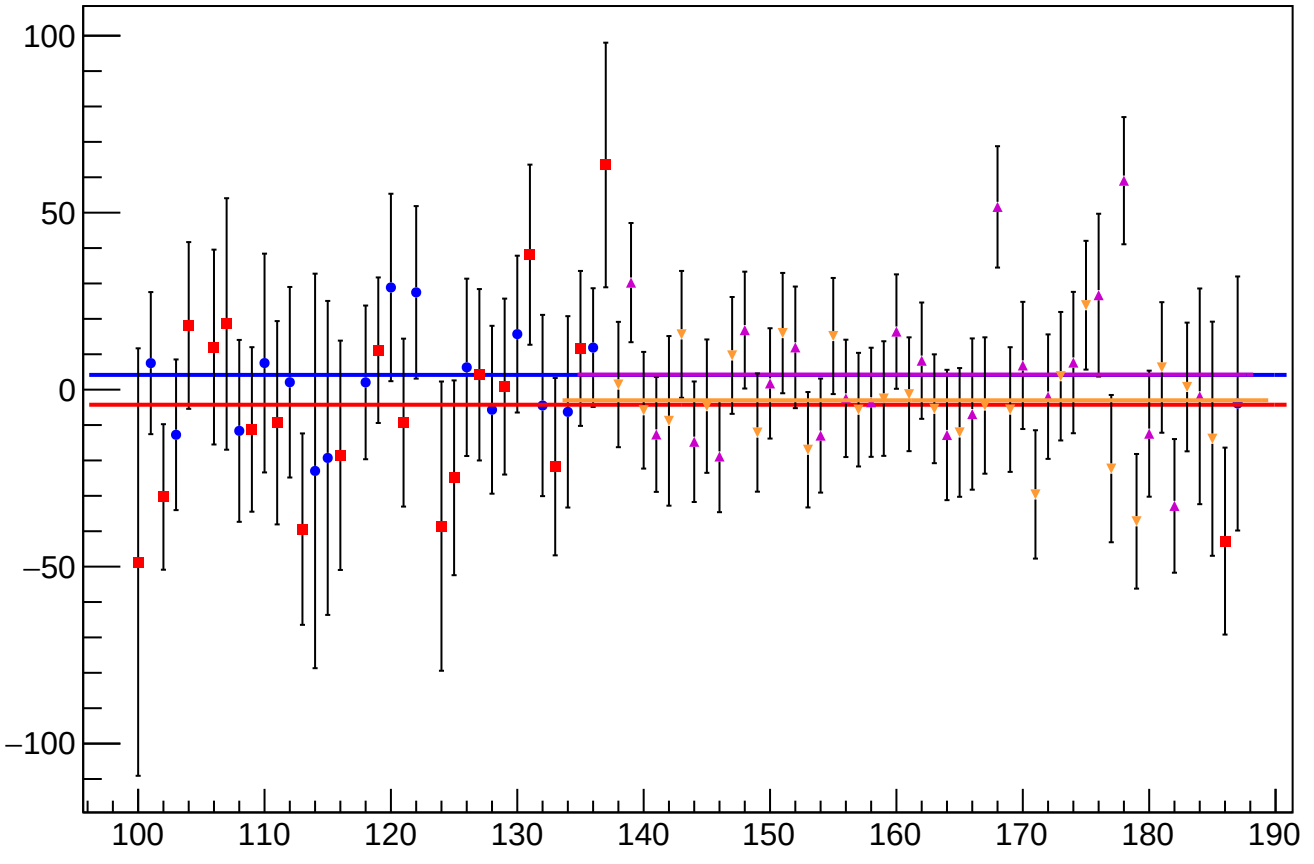
Right Out: 21.867+/-0.005 χ^2/NDF: 22273.8/19

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.819+/-0.003 χ^2/NDF: 37187.4/41

All: 21.801+/-0.002 χ^2/NDF: 80425.4/84

- sign 21.783+/-0.003 χ^2/NDF: 43164.8/42



Right In: 4.168+/-6.049 χ^2/NDF: 4.3/16

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

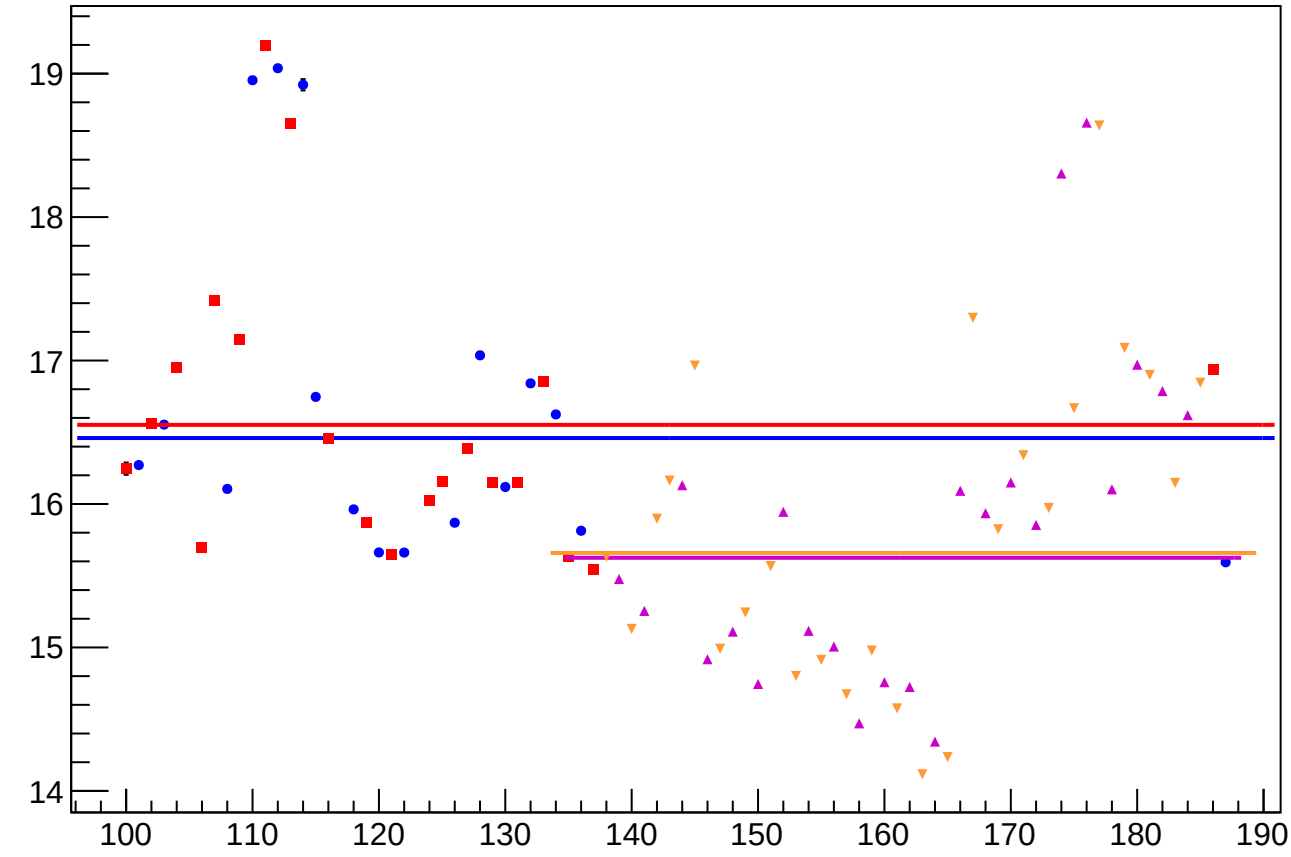
Right Out: -4.260+/-5.890 χ^2/NDF: 17.6/19

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign -1.151+/-3.074 χ^2/NDF: 20.0/41

All: 0.346+/-2.186 χ^2/NDF: 73.5/84

- sign 1.878+/-3.109 χ^2/NDF: 53.0/42



Right In: 16.460+/-0.004 χ^2/NDF: 48385.1/16

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

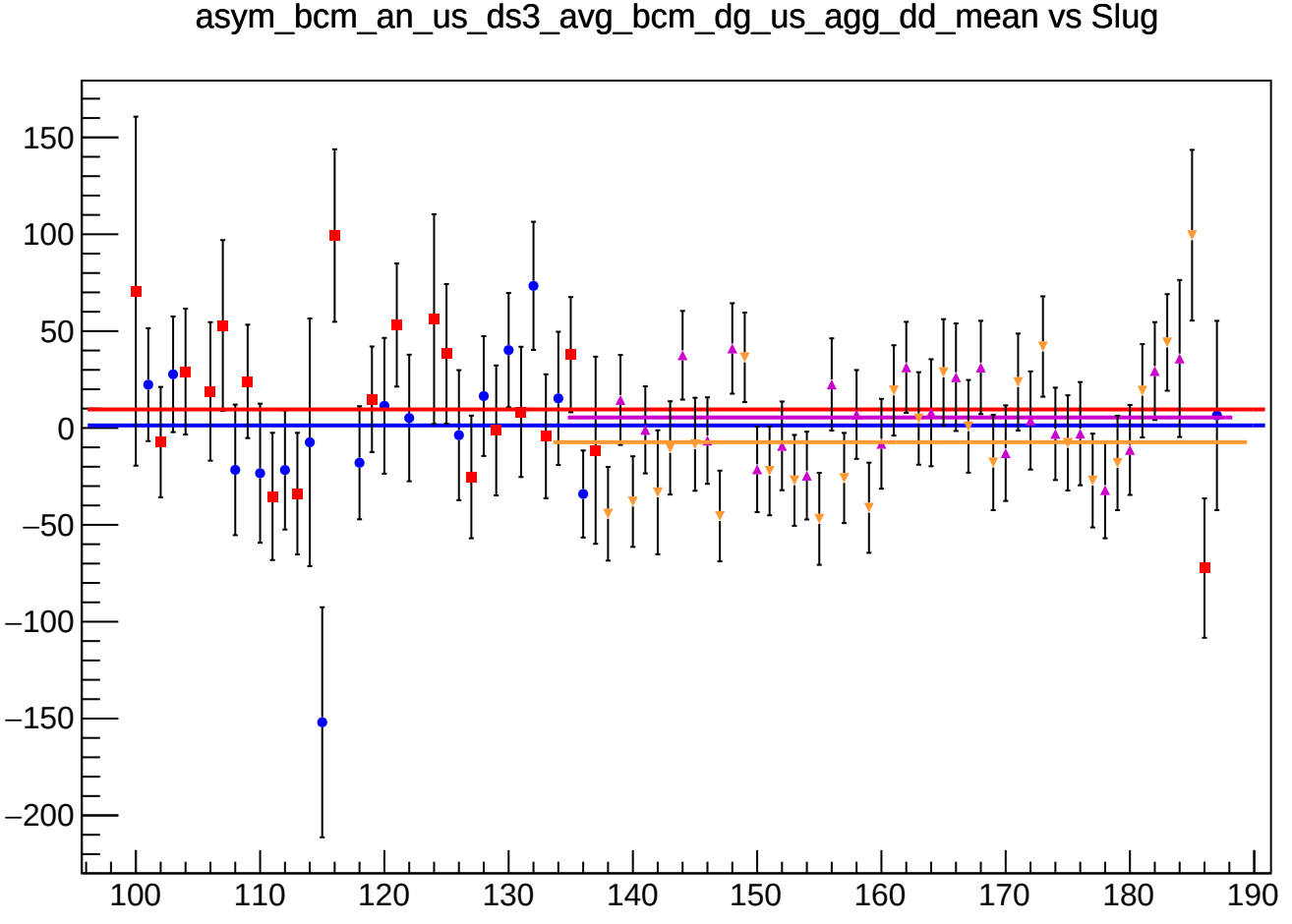
Right Out: 16.552+/-0.004 χ^2/NDF: 46926.8/19

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

+ sign 15.866+/-0.002 χ^2/NDF: 244226.6/41

All: 15.874+/-0.002 χ^2/NDF: 477316.9/84

- sign 15.883+/-0.002 χ^2/NDF: 233058.2/42



Right In: 1.325+/-7.979 χ^2/NDF: 19.4/16

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

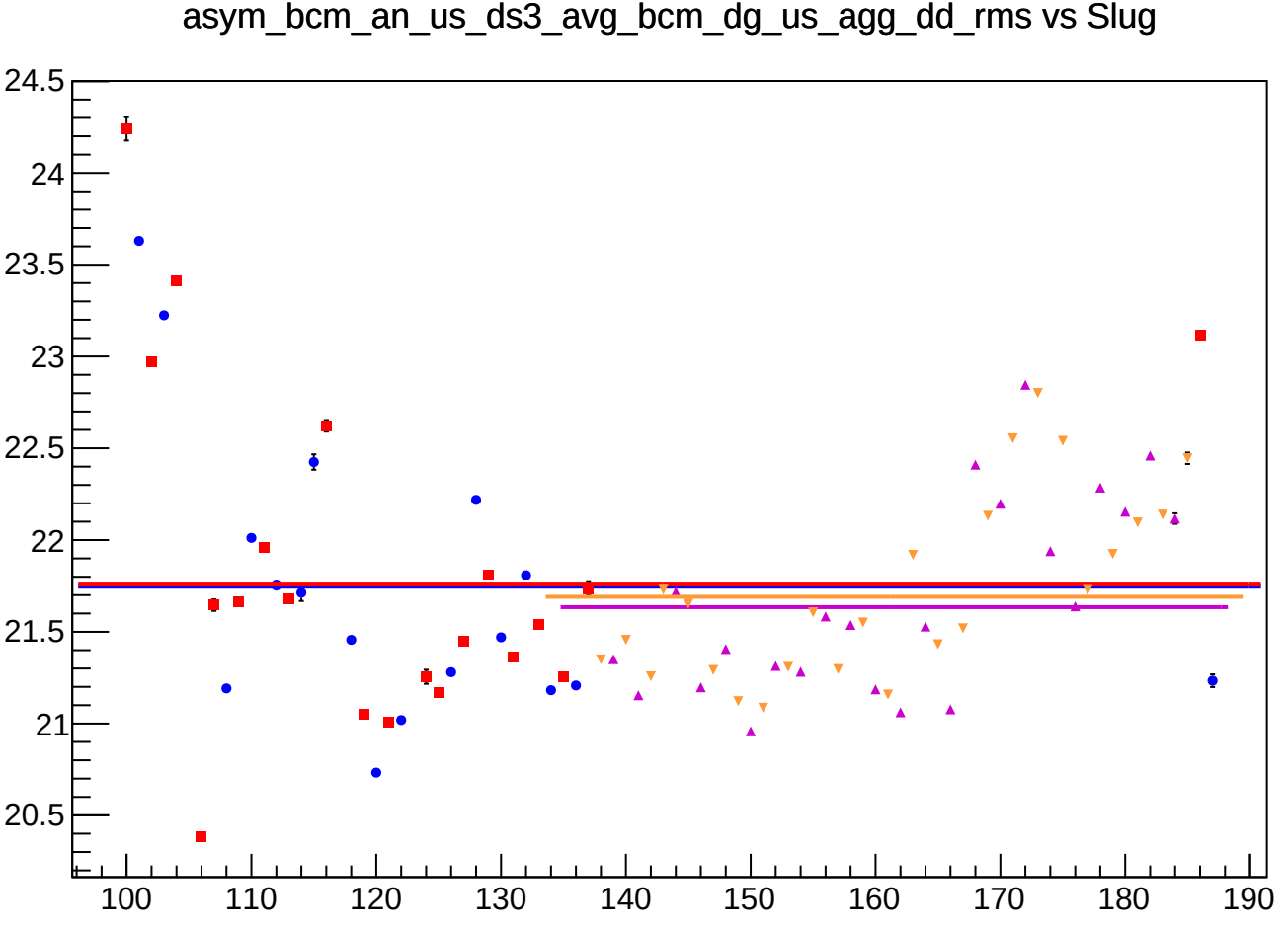
Right Out: 9.583+/-7.730 χ^2/NDF: 21.4/19

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -4.931+/-4.194 χ^2/NDF: 58.9/41

All: 0.823+/-2.978 χ^2/NDF: 101.5/84

- sign 6.677+/-4.230 χ^2/NDF: 38.8/42



Right In: 21.746+/-0.006 χ^2/NDF: 19971.8/16

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.757+/-0.005 χ^2/NDF: 21322.2/19

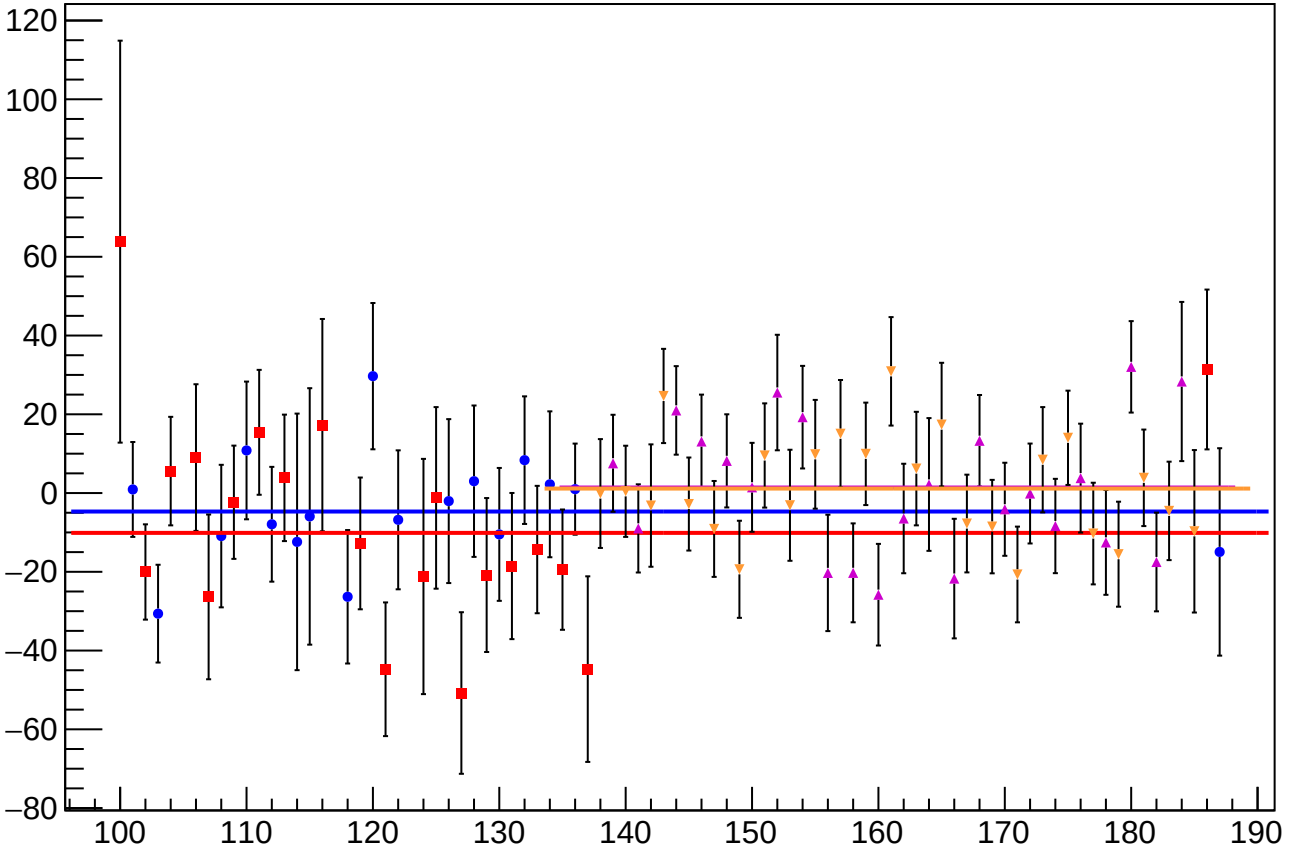
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.706+/-0.003 χ^2/NDF: 37976.4/41

All: 21.689+/-0.002 χ^2/NDF: 80282.4/84

- sign 21.671+/-0.003 χ^2/NDF: 42237.5/42

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.692+/-4.081 χ^2/NDF: 12.1/16

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -10.115+/-4.016 χ^2/NDF: 26.1/19

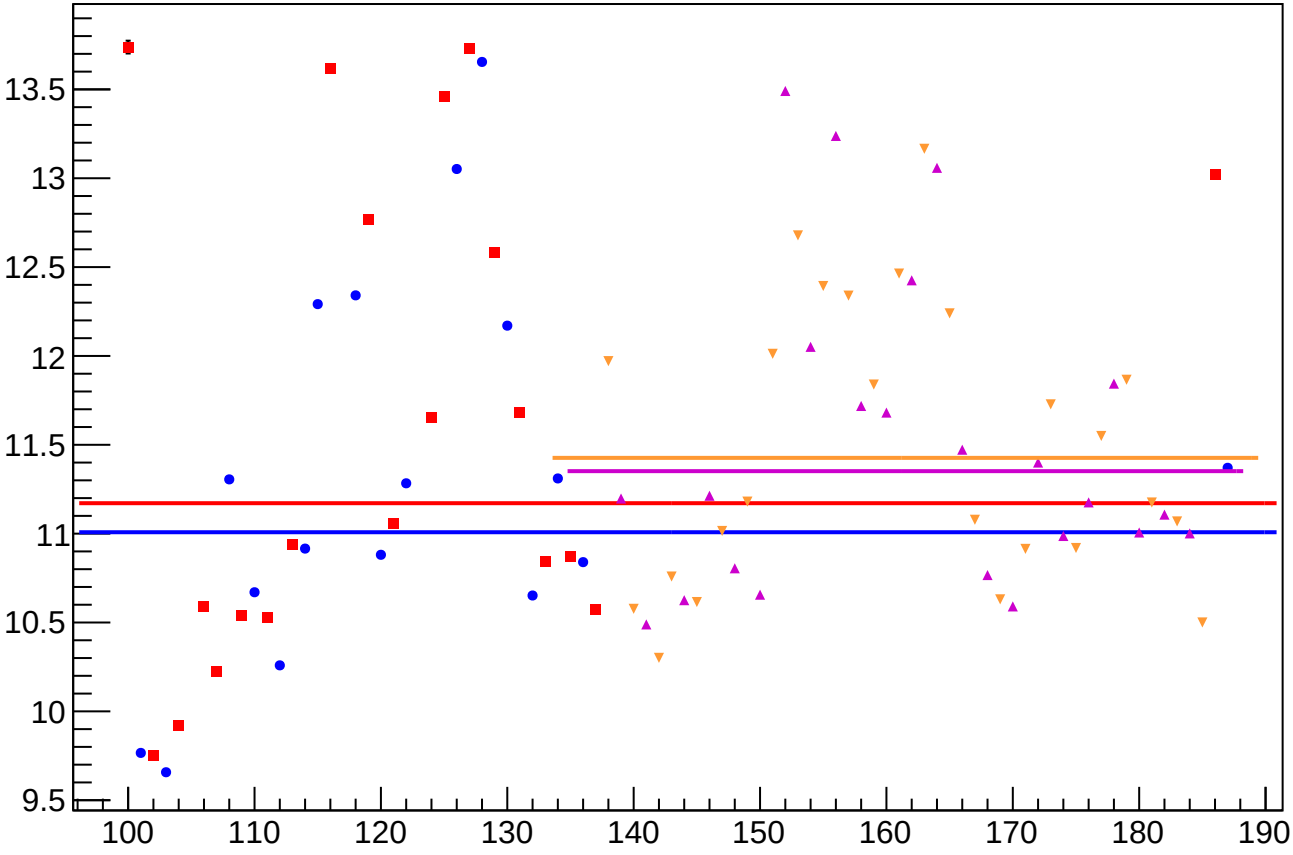
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.564+/-2.205 χ^2/NDF: 38.1/41

All: -1.340+/-1.566 χ^2/NDF: 106.5/84

- sign -2.132+/-2.226 χ^2/NDF: 68.1/42

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 11.008+/-0.003 χ^2/NDF: 136547.5/16

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

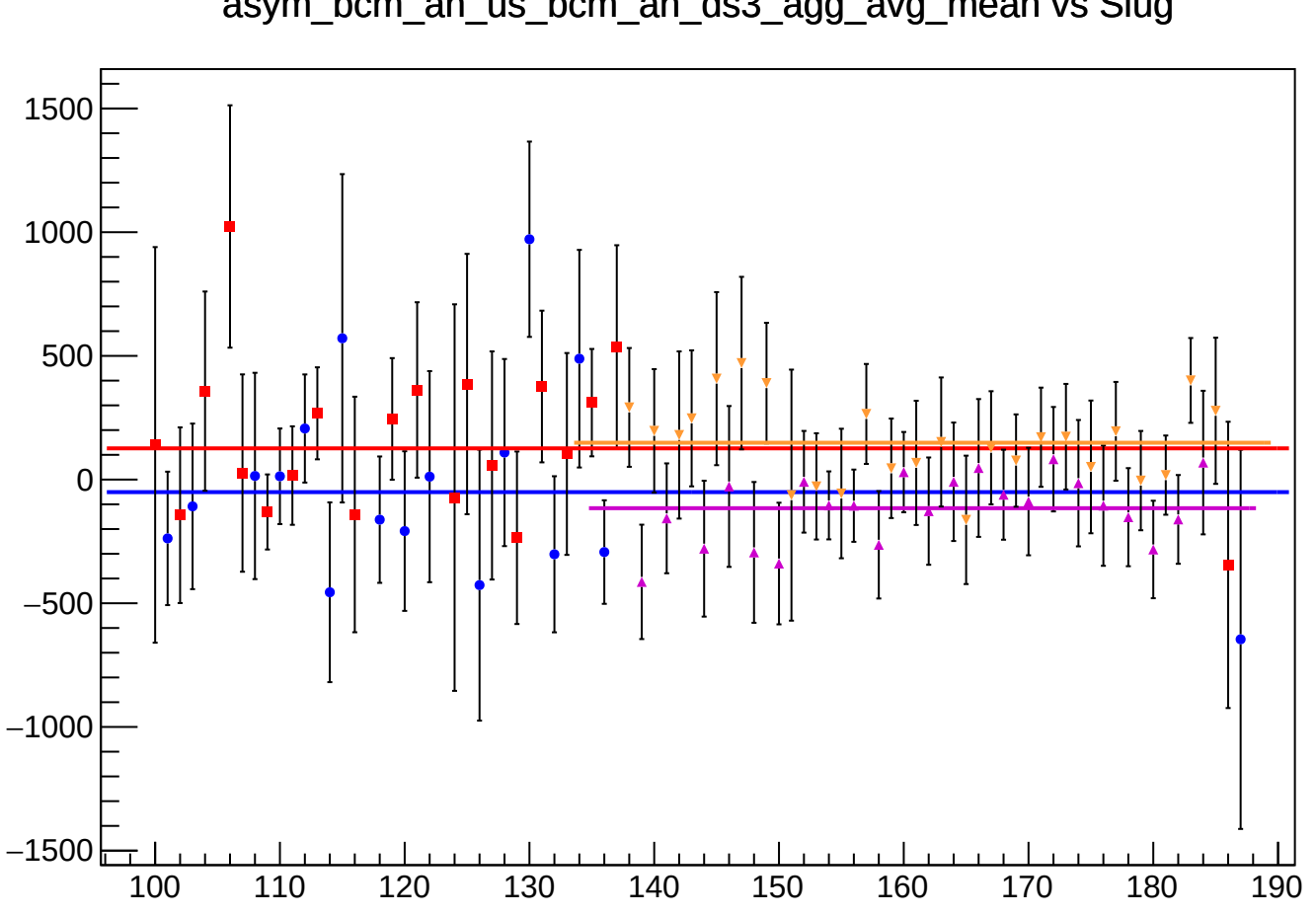
Right Out: 11.171+/-0.003 χ^2/NDF: 180220.0/19

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.304+/-0.002 χ^2/NDF: 308417.5/41

All: 11.300+/-0.001 χ^2/NDF: 662007.4/84

- sign 11.296+/-0.002 χ^2/NDF: 353576.9/42



Right In: -50.711+/-76.047 χ^2/NDF: 16.0/16

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

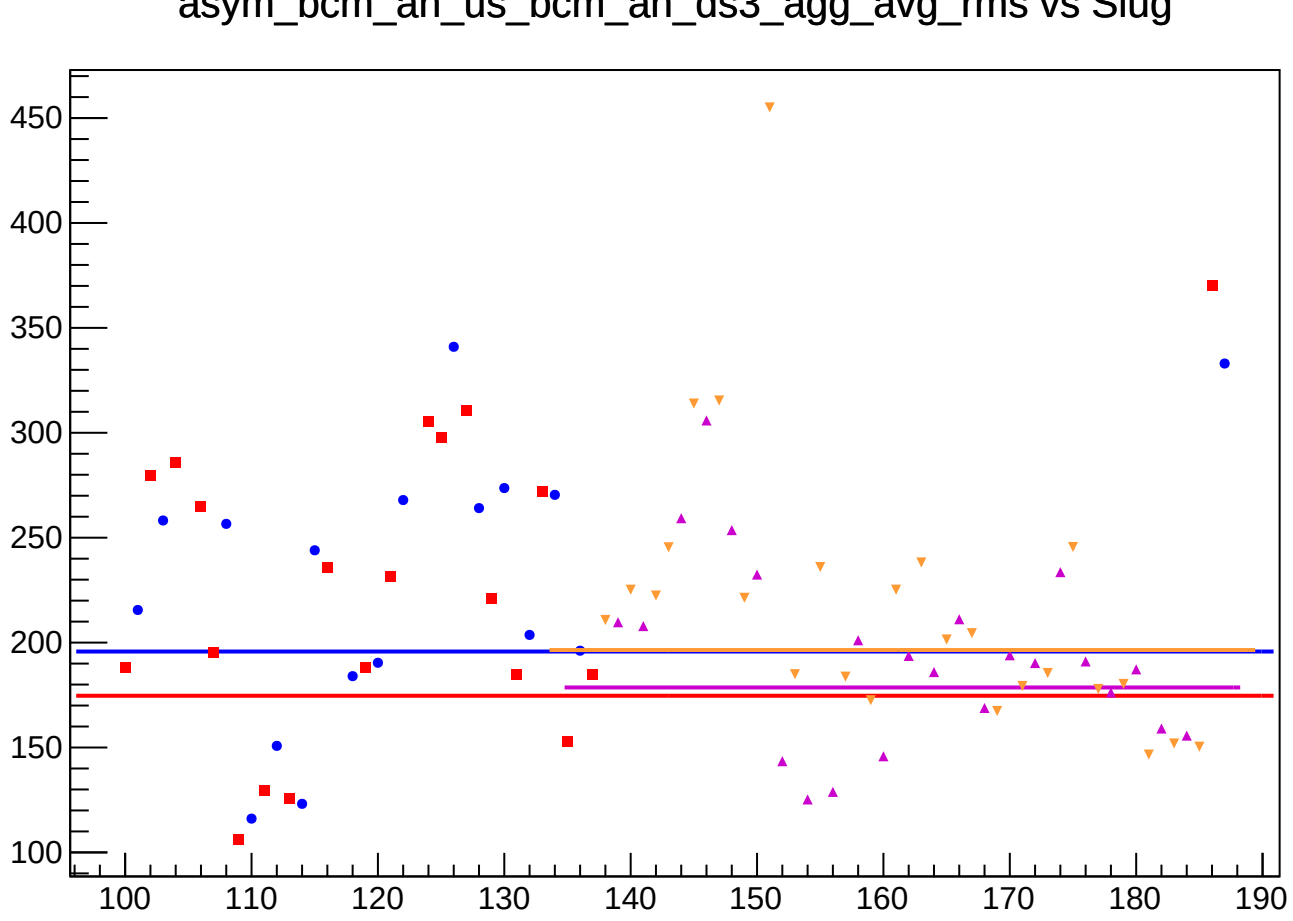
Right Out: 126.172+/-67.799 χ^2/NDF: 13.5/19

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 94.911+/-39.551 χ^2/NDF: 31.5/41

All: 19.804+/-26.901 χ^2/NDF: 68.6/84

- sign -44.851+/-36.696 χ^2/NDF: 30.3/42



Right In: 195.749+/-0.054 χ^2/NDF: 1106782.1/16

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

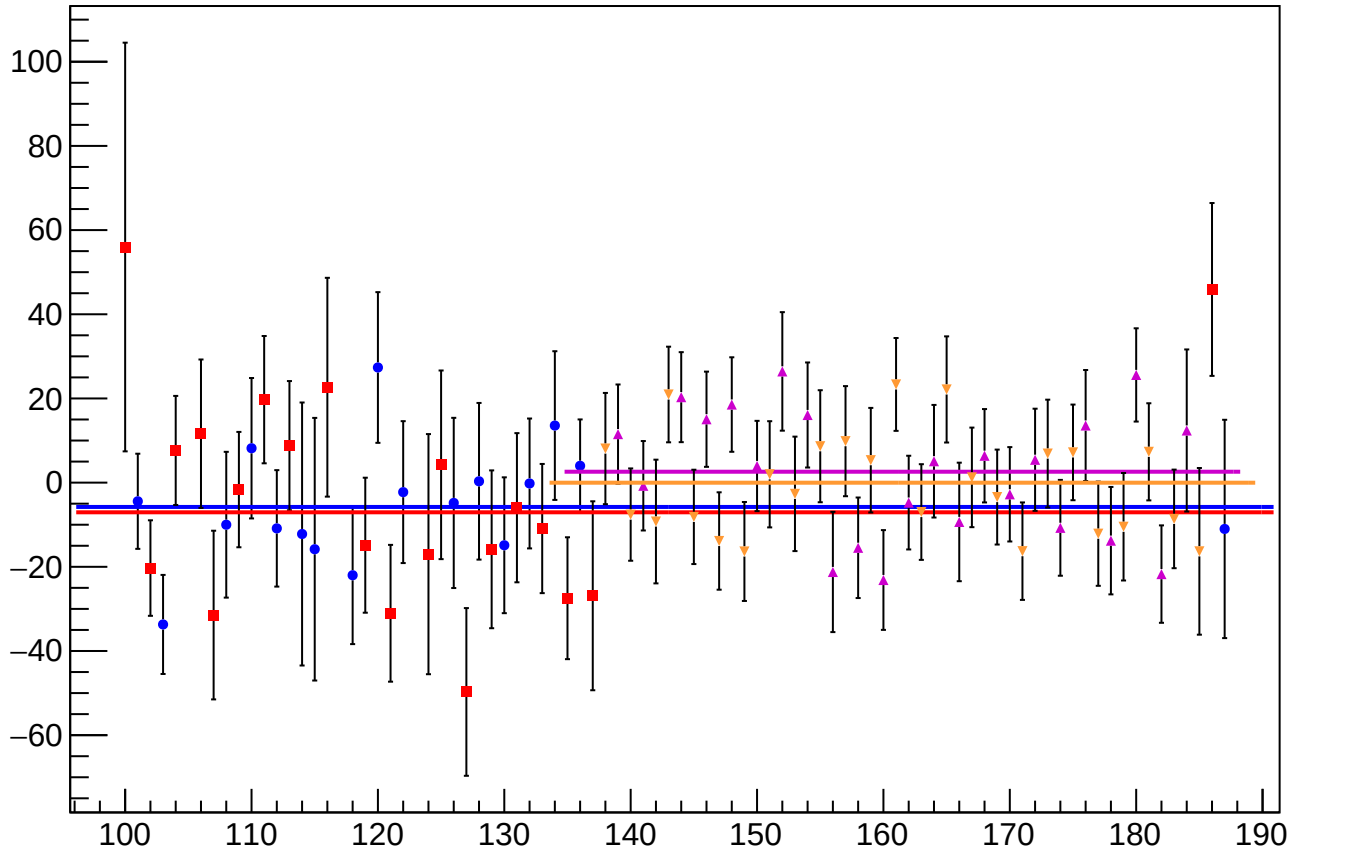
Right Out: 174.668+/-0.048 χ^2/NDF: 1882423.0/19

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 196.264+/-0.028 χ^2/NDF: 2925653.6/41

All: 186.158+/-0.019 χ^2/NDF: 6734716.6/84

- sign 177.458+/-0.026 χ^2/NDF: 3566073.3/42



Right In: -5.778+/-3.894 χ^2/NDF: 13.7/16

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

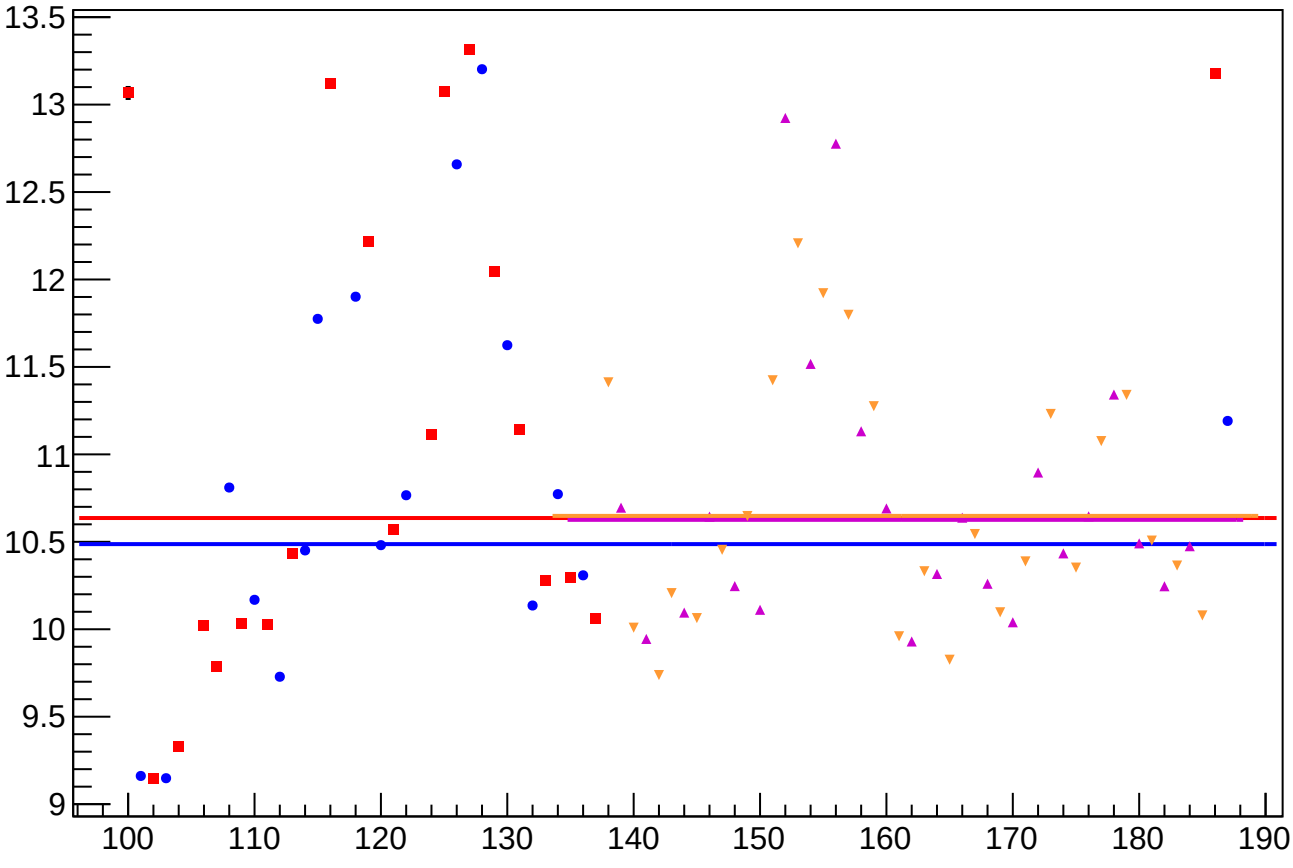
Right Out: -7.049+/-3.832 χ^2/NDF: 29.7/19

Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.646+/-2.071 χ^2/NDF: 39.0/41

All: -0.980+/-1.473 χ^2/NDF: 108.1/84

- sign -0.296+/-2.097 χ^2/NDF: 68.9/42



Right In: 10.487+/-0.003 χ^2/NDF: 158875.2/16

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

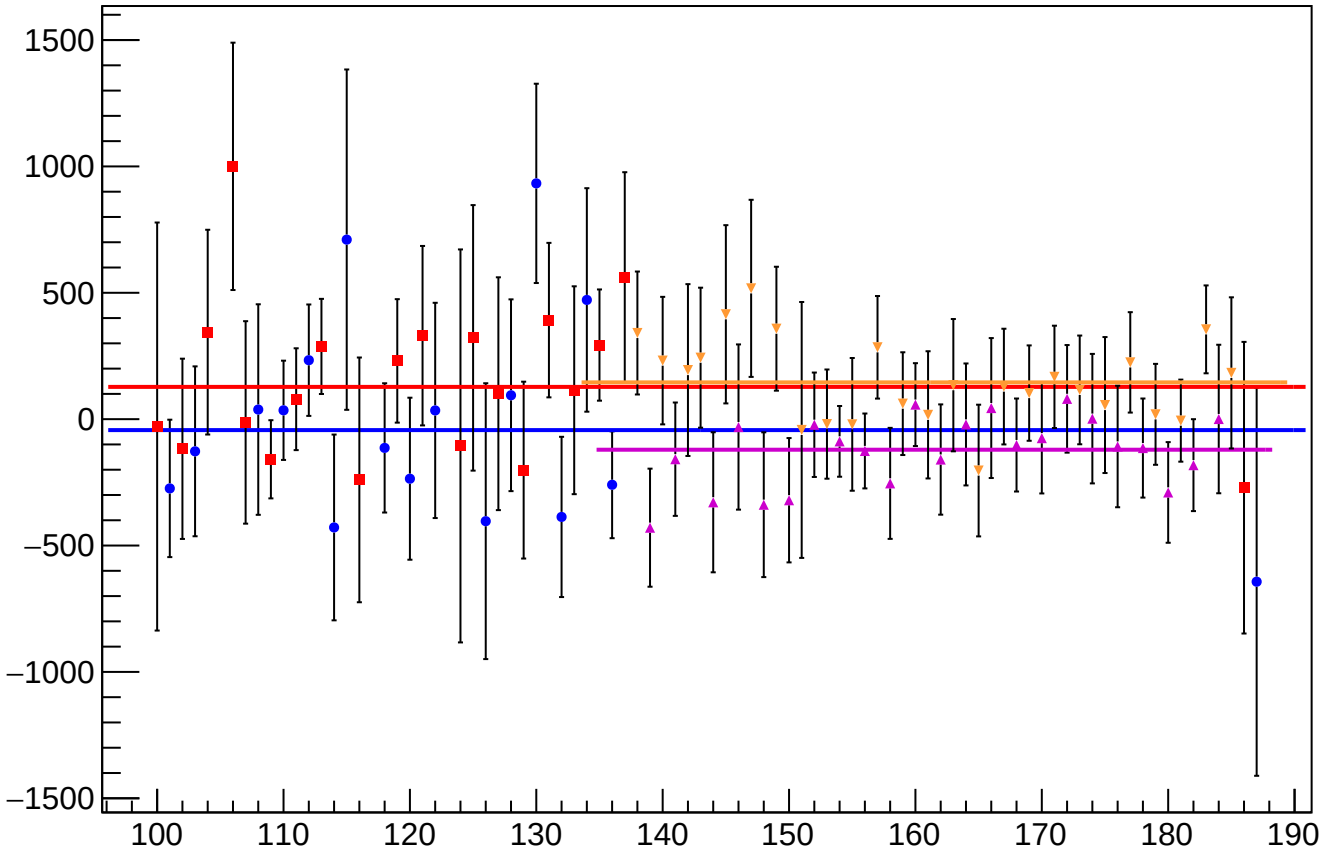
Right Out: 10.636+/-0.003 χ^2/NDF: 218500.5/19

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.603+/-0.001 χ^2/NDF: 304875.4/41

All: 10.616+/-0.001 χ^2/NDF: 683086.7/84

- sign 10.629+/-0.001 χ^2/NDF: 378054.0/42



Right In: -43.259+/-76.532 χ^2/NDF: 16.3/16

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 127.699+/-68.399 χ^2/NDF: 13.4/19

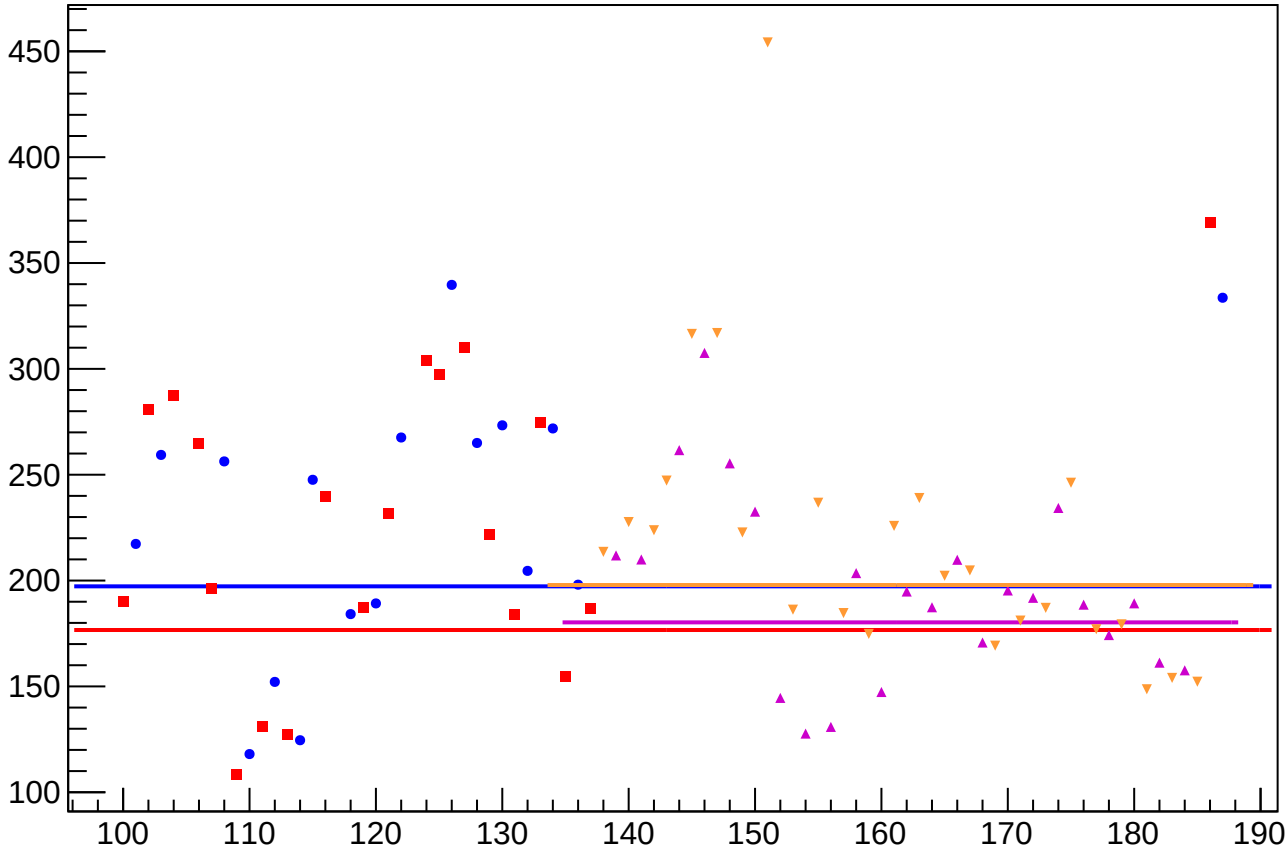
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 94.457+/-39.810 χ^2/NDF: 31.0/41

All: 17.950+/-27.103 χ^2/NDF: 68.8/84

- sign -48.142+/-37.001 χ^2/NDF: 31.0/42

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 197.267+/-0.054 χ^2/NDF: 1074678.7/16

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

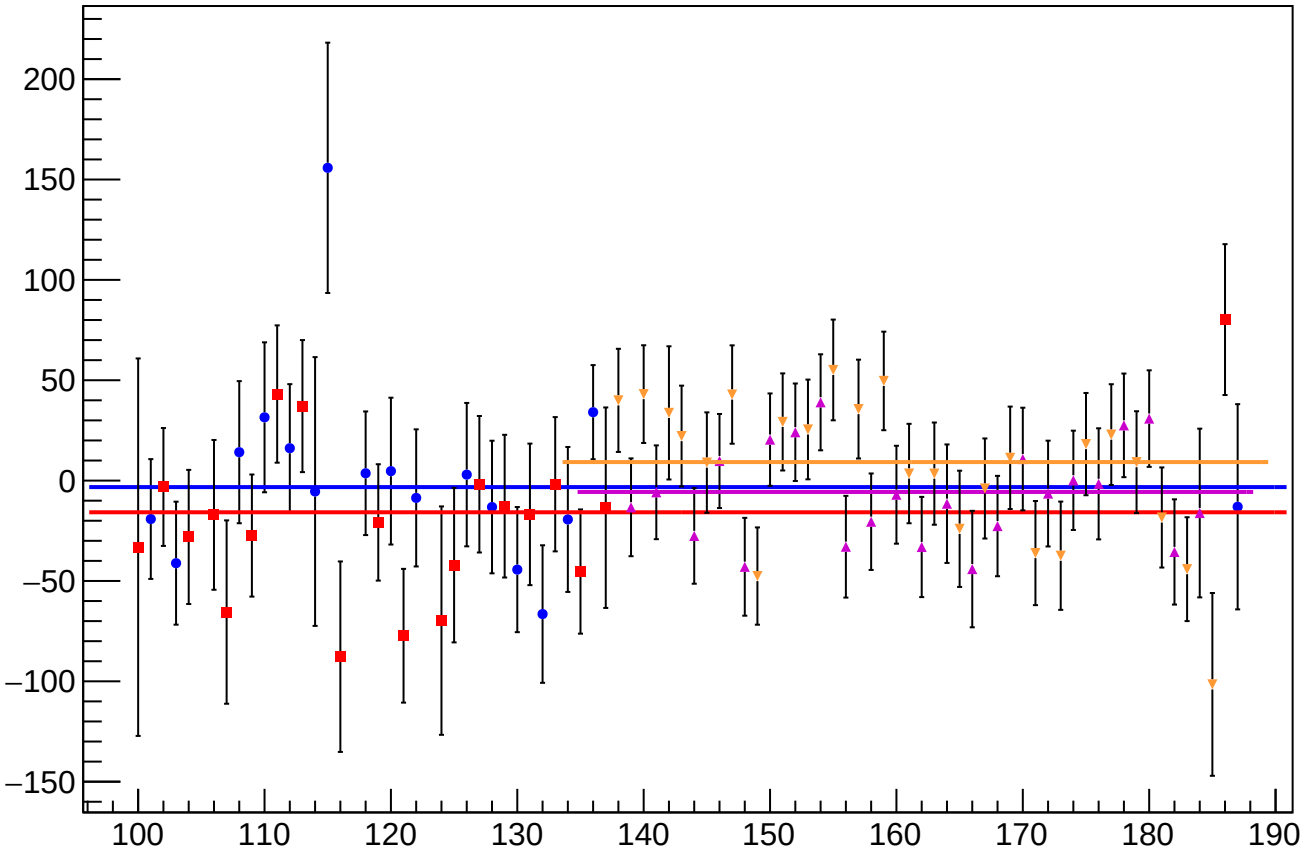
Right Out: 176.643+/-0.048 χ^2/NDF: 1824926.2/19

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 197.722+/-0.028 χ^2/NDF: 2863624.6/41

All: 187.781+/-0.019 χ^2/NDF: 6552703.0/84

- sign 179.193+/-0.026 χ^2/NDF: 3456633.4/42



Right In: -3.236+/-8.341 χ^2/NDF: 18.0/16

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -15.784+/-8.097 χ^2/NDF: 22.1/19

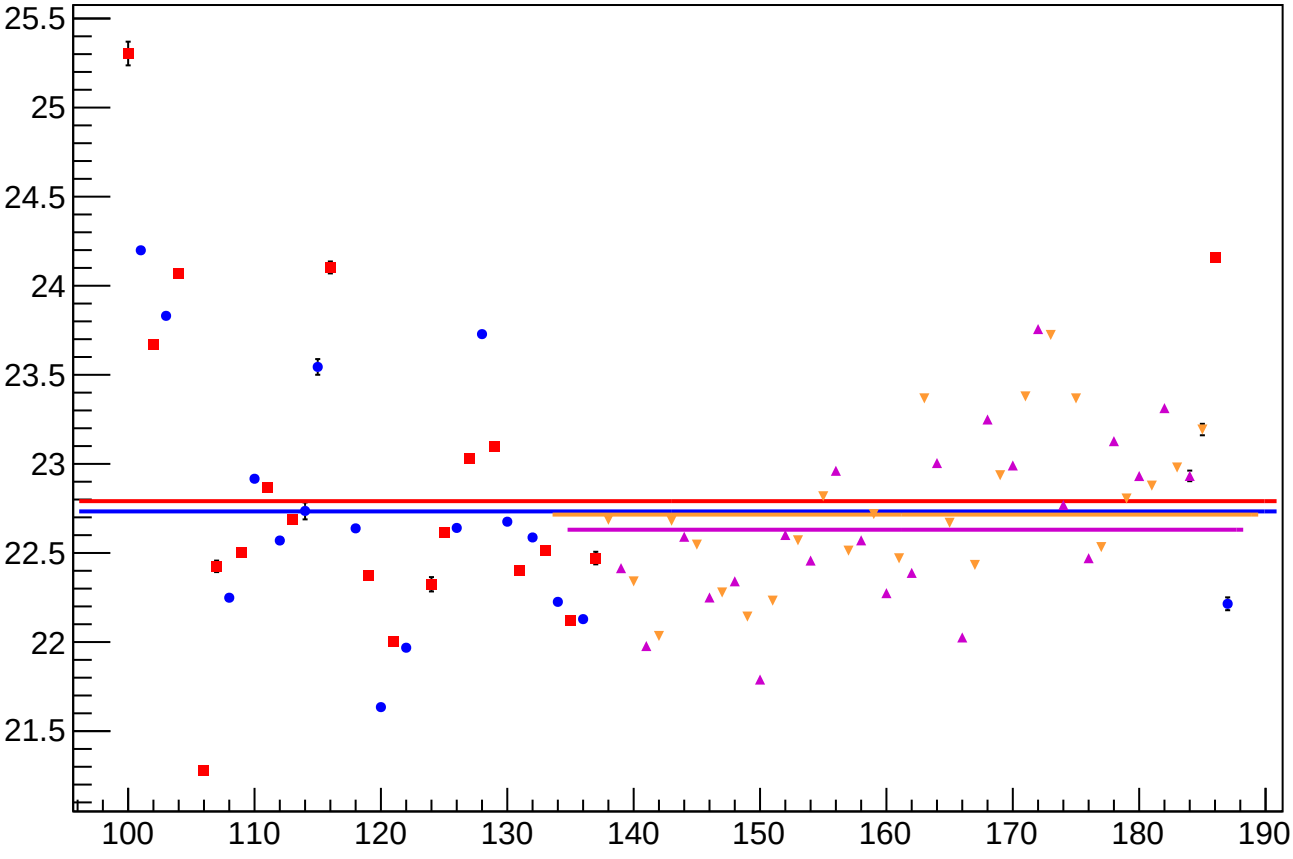
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.781+/-4.390 χ^2/NDF: 59.0/41

All: -1.395+/-3.117 χ^2/NDF: 108.4/84

- sign -8.691+/-4.427 χ^2/NDF: 44.0/42

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.733+/-0.006 χ^2/NDF: 14834.2/16

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

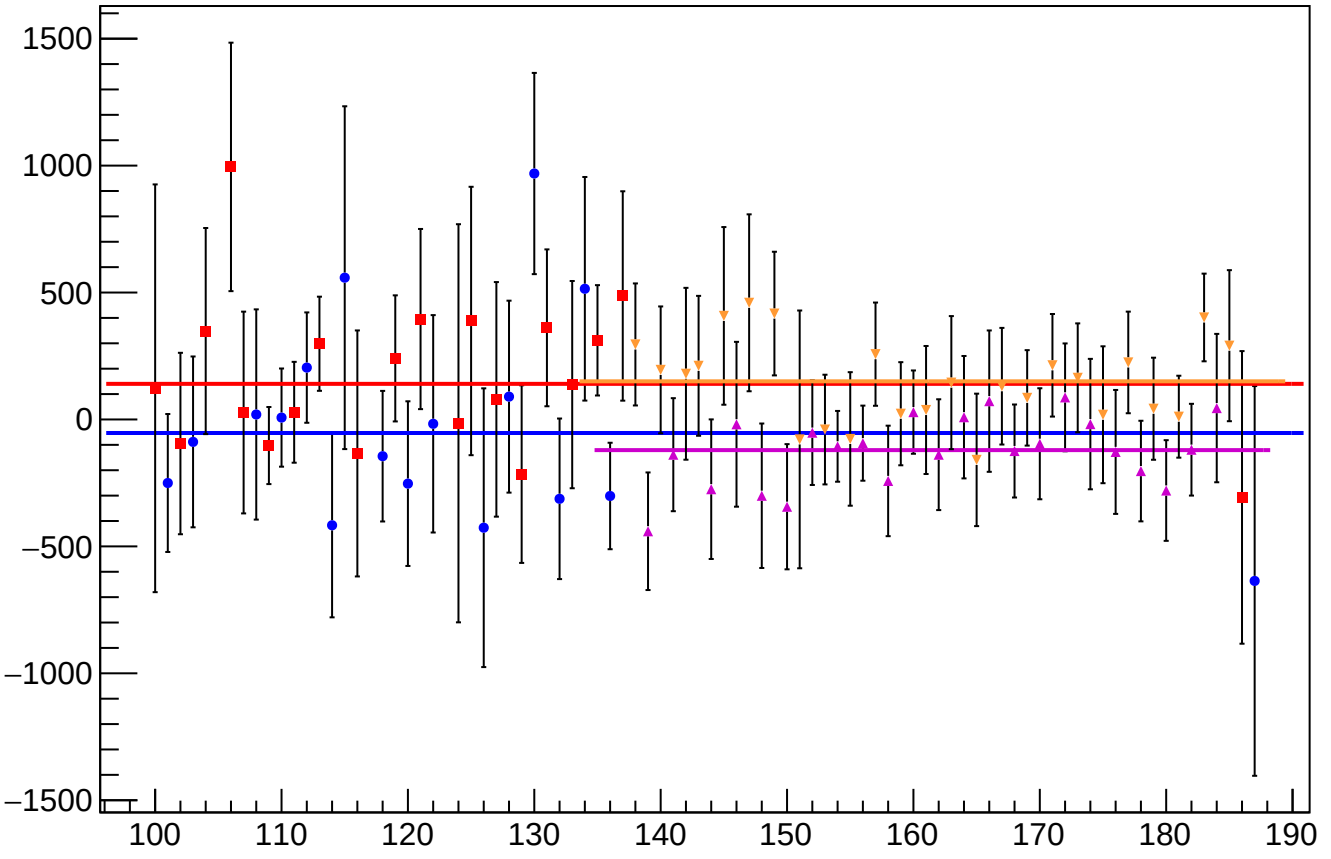
Right Out: 22.791+/-0.006 χ^2/NDF: 17272.5/19

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.720+/-0.003 χ^2/NDF: 27022.2/41

All: 22.700+/-0.002 χ^2/NDF: 60326.5/84

- sign 22.678+/-0.003 χ^2/NDF: 33213.8/42



Right In: -53.321+/-76.193 χ^2/NDF: 16.0/16

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

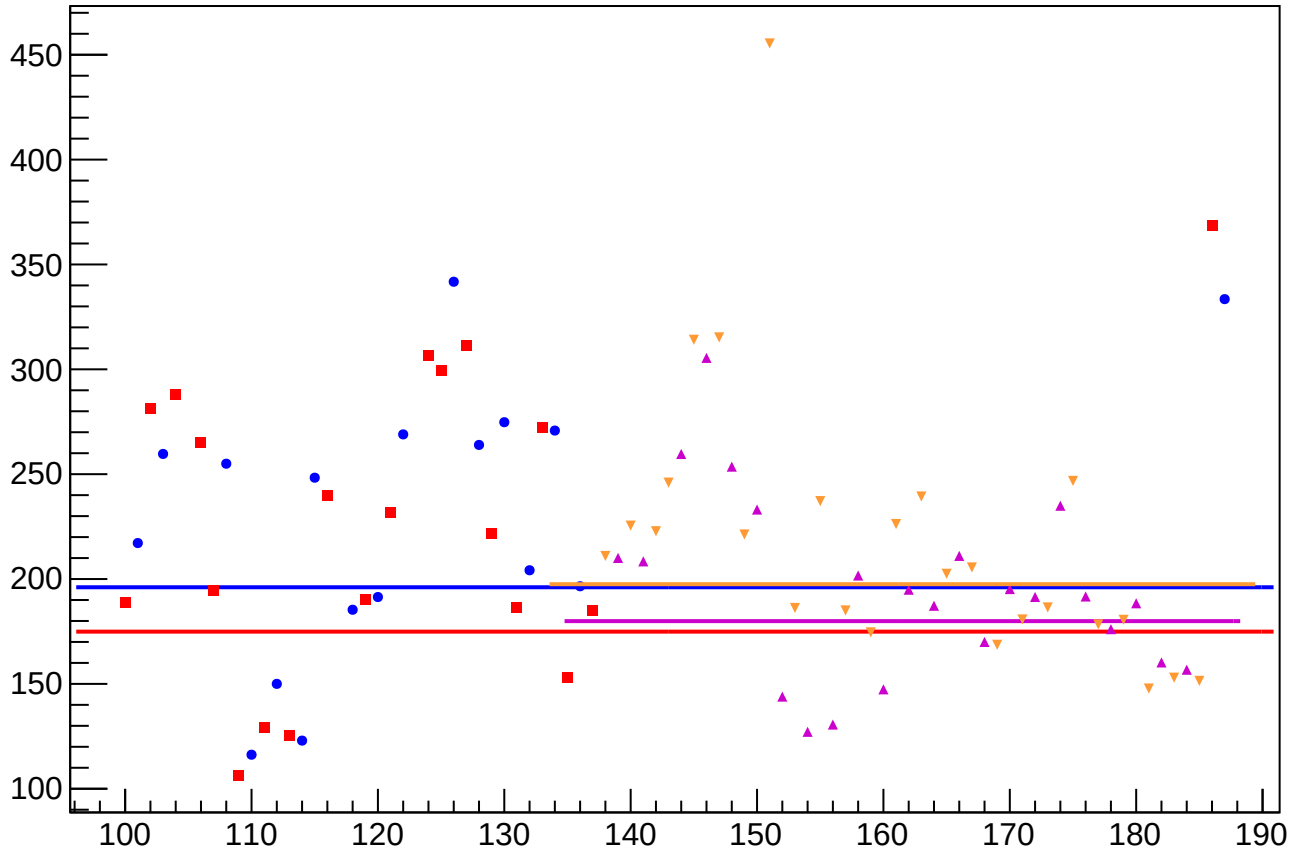
Right Out: 140.273+/-67.921 χ^2/NDF: 12.2/19

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 94.921+/-39.714 χ^2/NDF: 32.1/41

All: 20.440+/-27.025 χ^2/NDF: 69.2/84

- sign -43.795+/-36.881 χ^2/NDF: 30.5/42



Right In: 196.075+/-0.054 χ^2/NDF: 1116996.8/16

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

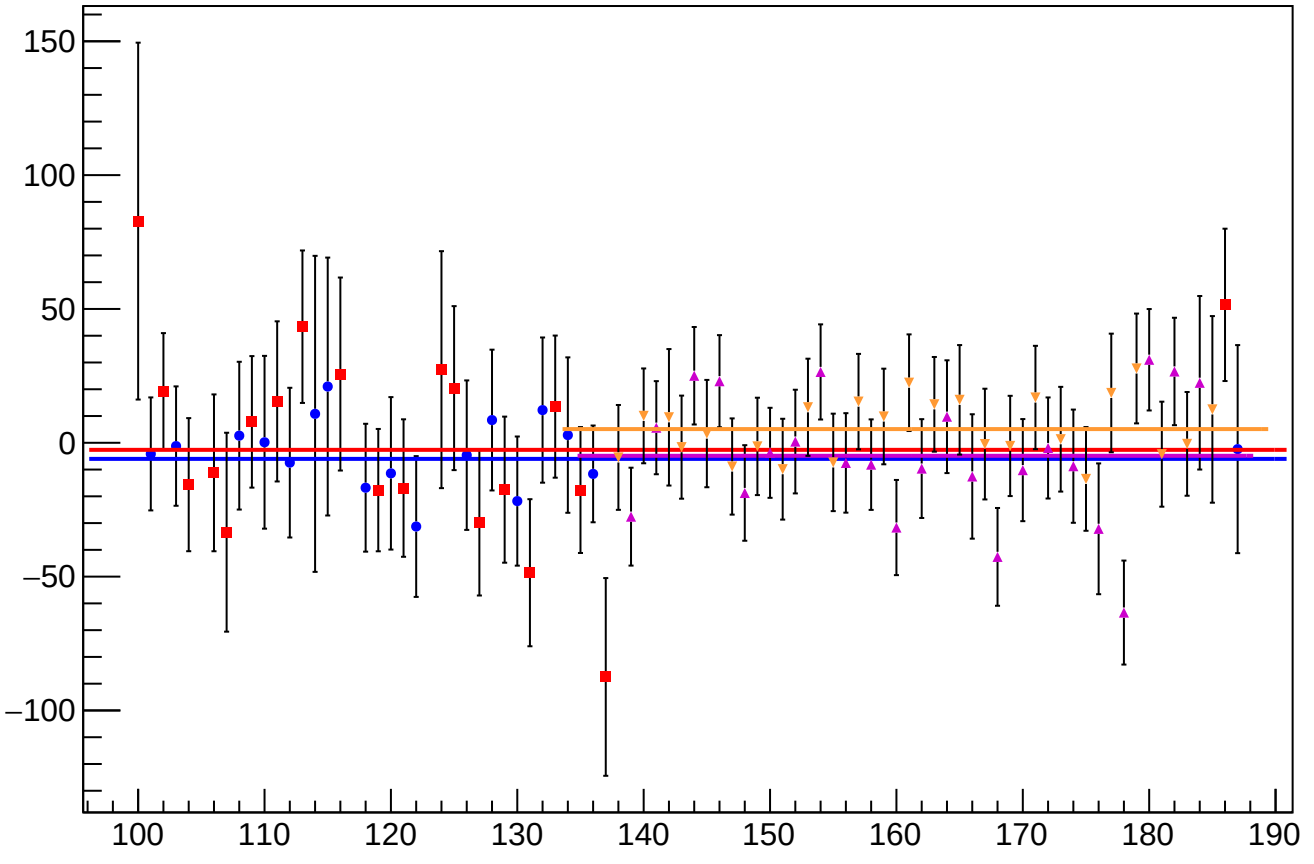
Right Out: 174.915+/-0.048 χ^2/NDF: 1900328.7/19

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 197.138+/-0.028 χ^2/NDF: 2907422.0/41

All: 187.102+/-0.019 χ^2/NDF: 6677427.3/84

- sign 178.447+/-0.026 χ^2/NDF: 3532140.8/42



Right In: -6.014+/-6.500 χ^2/NDF: 3.1/16

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

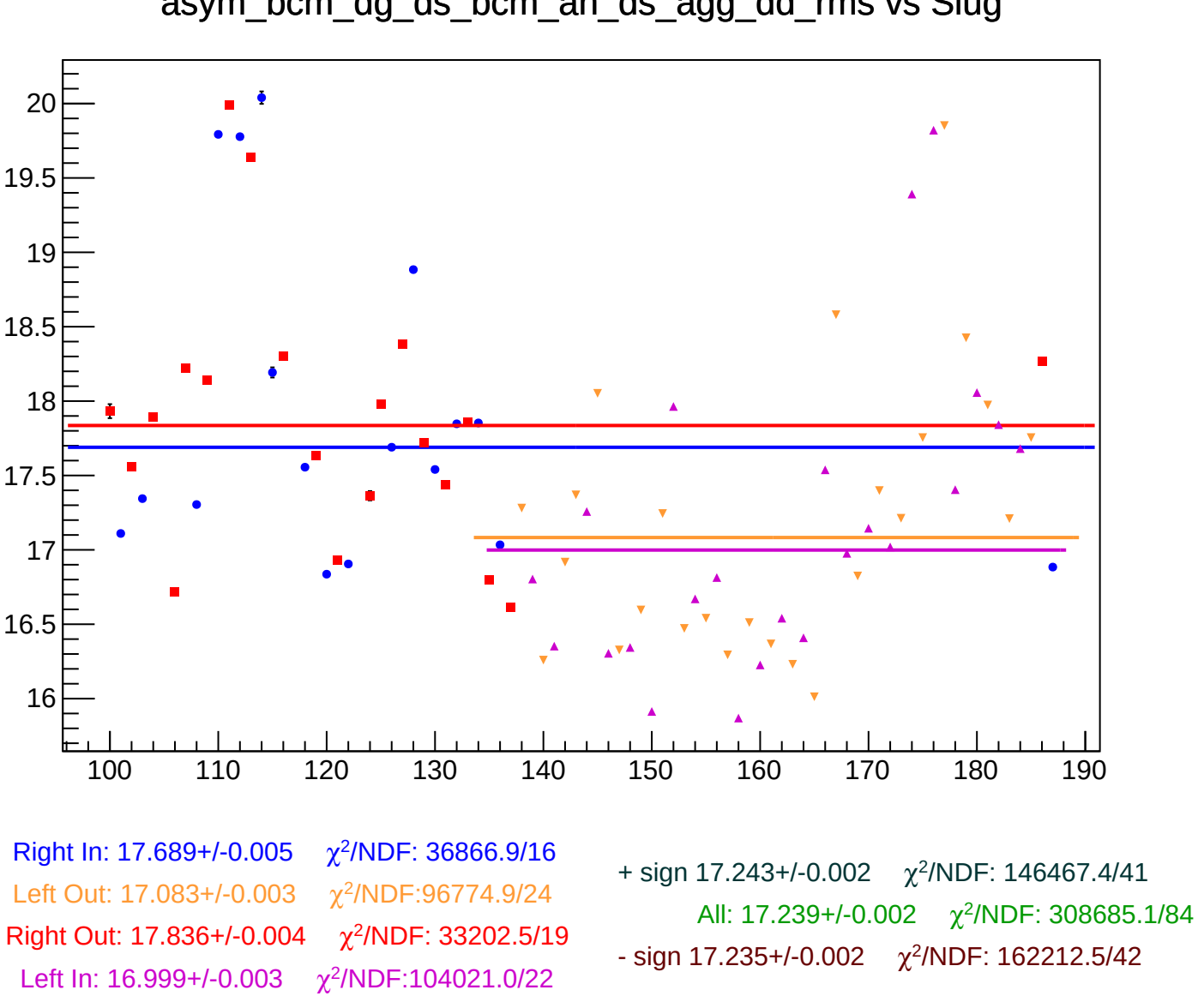
Right Out: -2.636+/-6.345 χ^2/NDF: 23.0/19

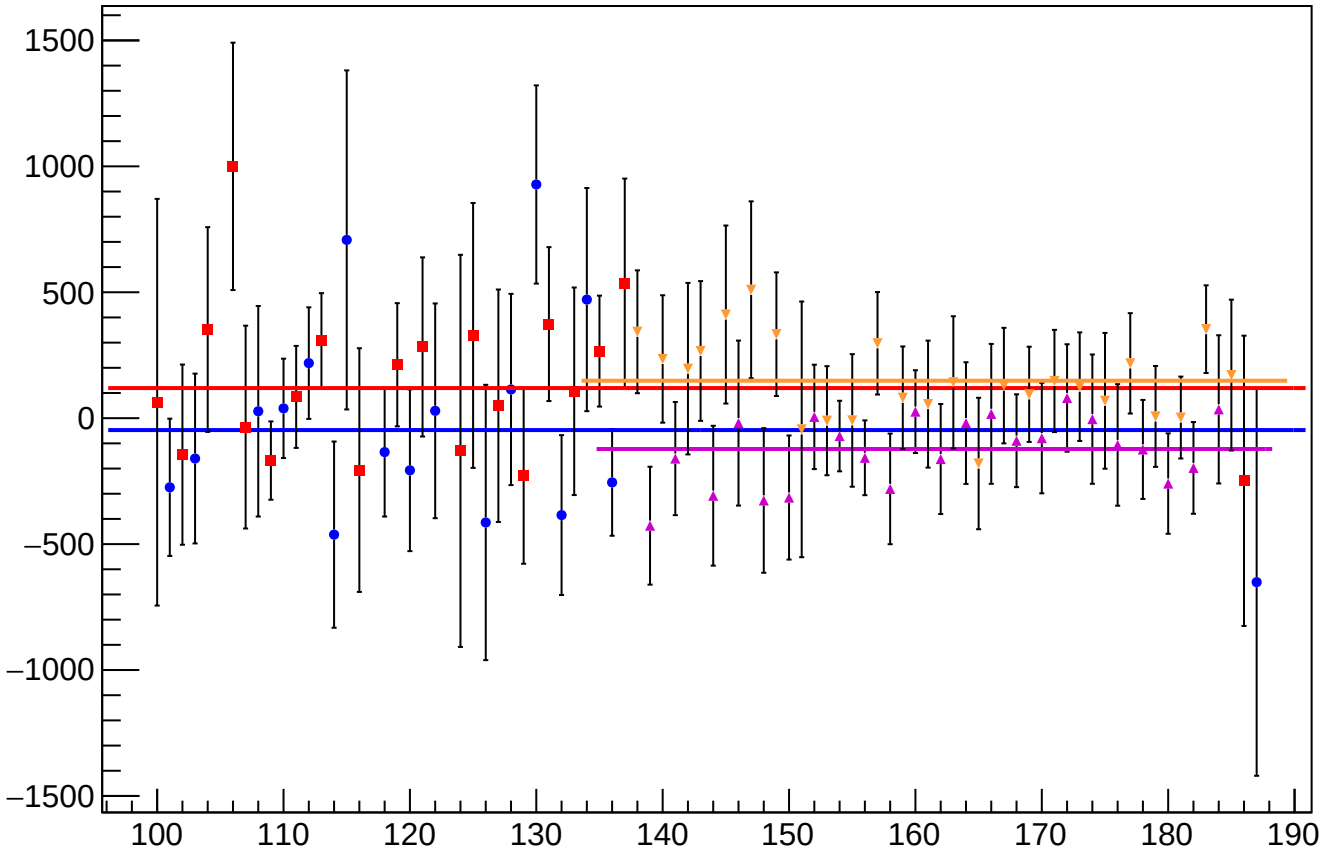
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 2.183+/-3.338 χ^2/NDF: 13.2/41

All: -0.992+/-2.372 χ^2/NDF: 73.6/84

- sign -4.231+/-3.372 χ^2/NDF: 58.6/42


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug
20
19.5
19
18.5
18
17.5
17
16.5
16
100
110
120
130
140
150
160
170
180
190
Right In: 17.689+/-0.005 χ²/NDF: 36866.9/16
Left Out: 17.083+/-0.003 χ²/NDF:96774.9/24
Right Out: 17.836+/-0.004 χ²/NDF: 33202.5/19
Left In: 16.999+/-0.003 χ²/NDF:104021.0/22
+ sign 17.243+/-0.002 χ²/NDF: 146467.4/41
All: 17.239+/-0.002 χ²/NDF: 308685.1/84
- sign 17.235+/-0.002 χ²/NDF: 162212.5/42



Right In: -47.191+/-76.754 χ^2/NDF: 16.2/16

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 119.577+/-68.617 χ^2/NDF: 13.3/19

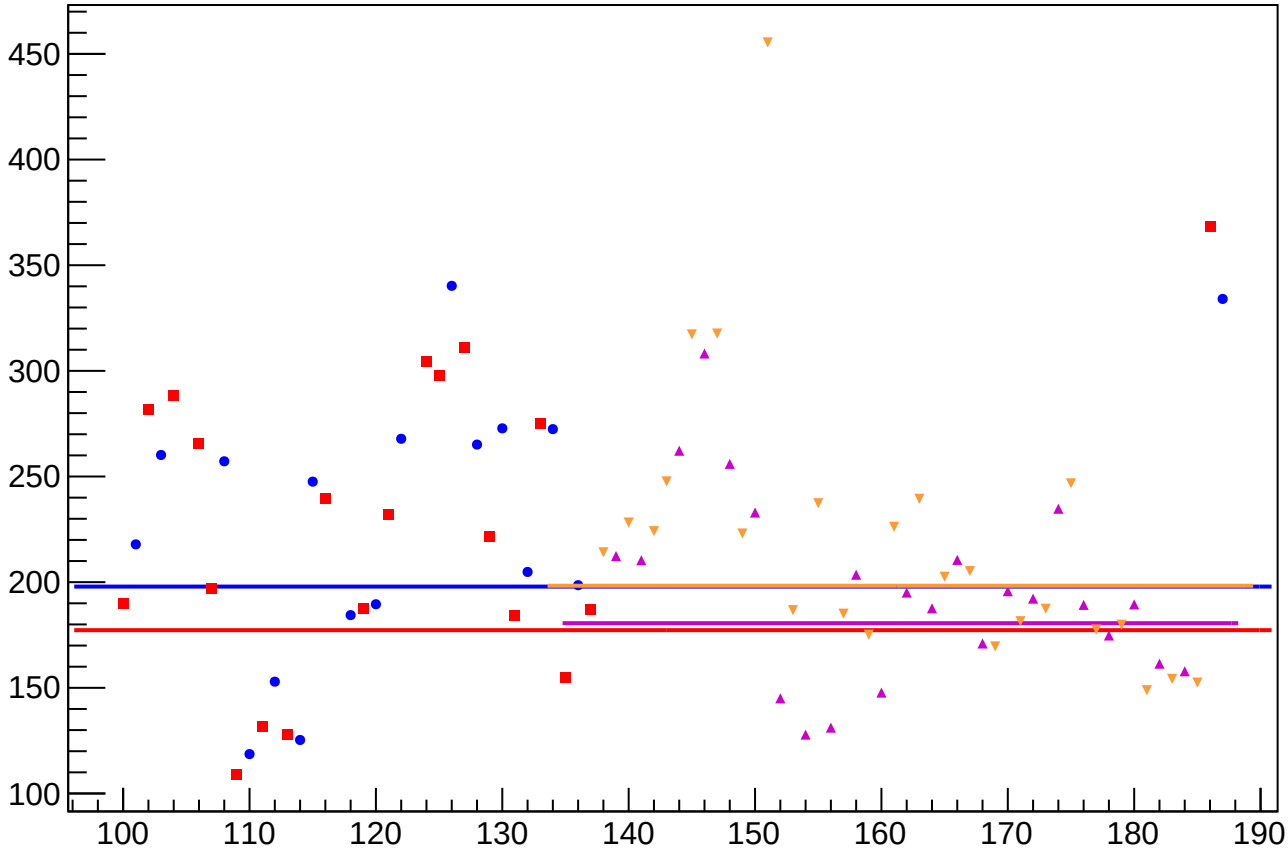
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 95.794+/-39.904 χ^2/NDF: 30.5/41

All: 16.662+/-27.166 χ^2/NDF: 67.8/84

- sign -51.692+/-37.087 χ^2/NDF: 30.0/42

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 197.912+/-0.054 χ^2/NDF: 1064086.6/16

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

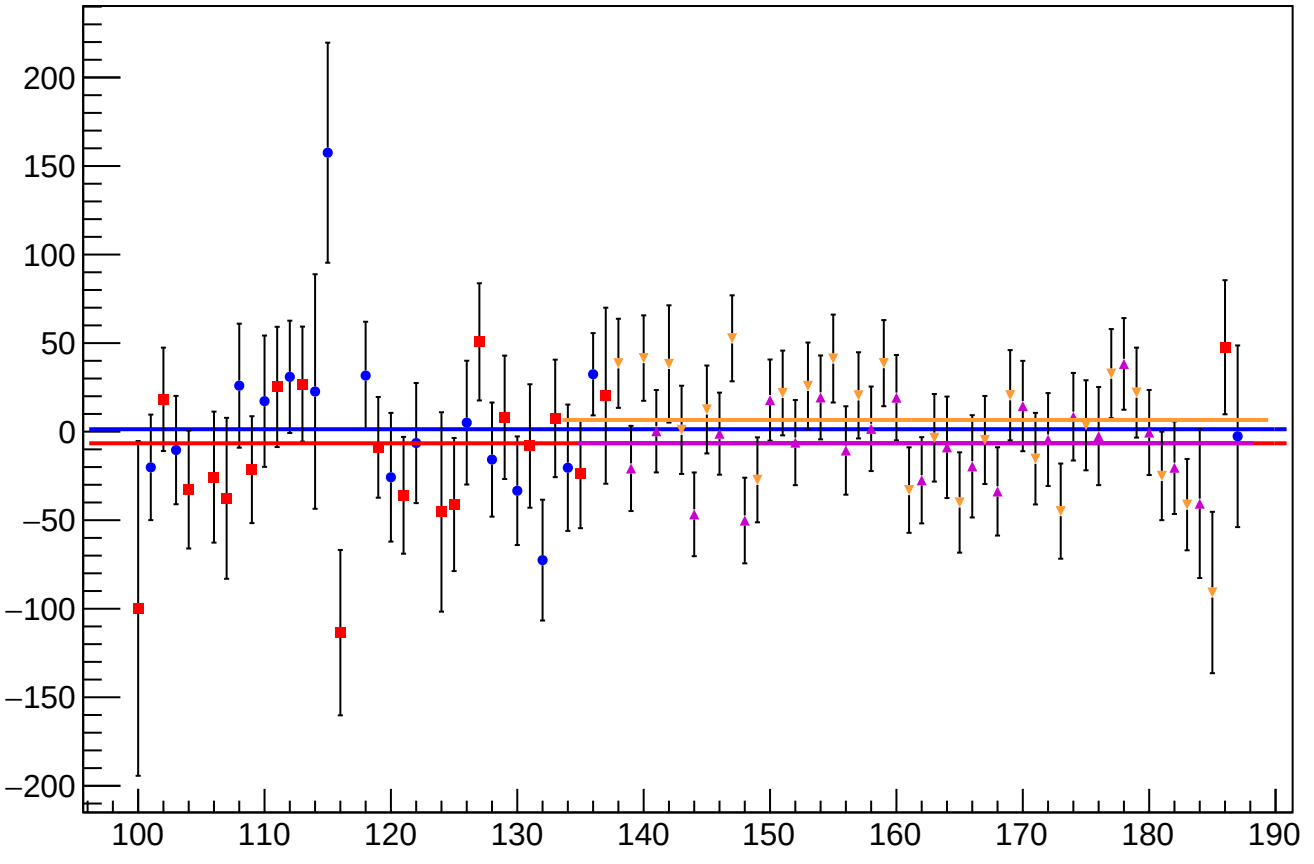
Right Out: 177.290+/-0.049 χ^2/NDF: 1812123.5/19

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 198.205+/-0.028 χ^2/NDF: 2854405.8/41

All: 188.241+/-0.019 χ^2/NDF: 6530311.1/84

- sign 179.634+/-0.026 χ^2/NDF: 3443493.6/42



Right In: 1.369+/-8.261 χ^2/NDF: 18.7/16

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -6.570+/-8.012 χ^2/NDF: 18.6/19

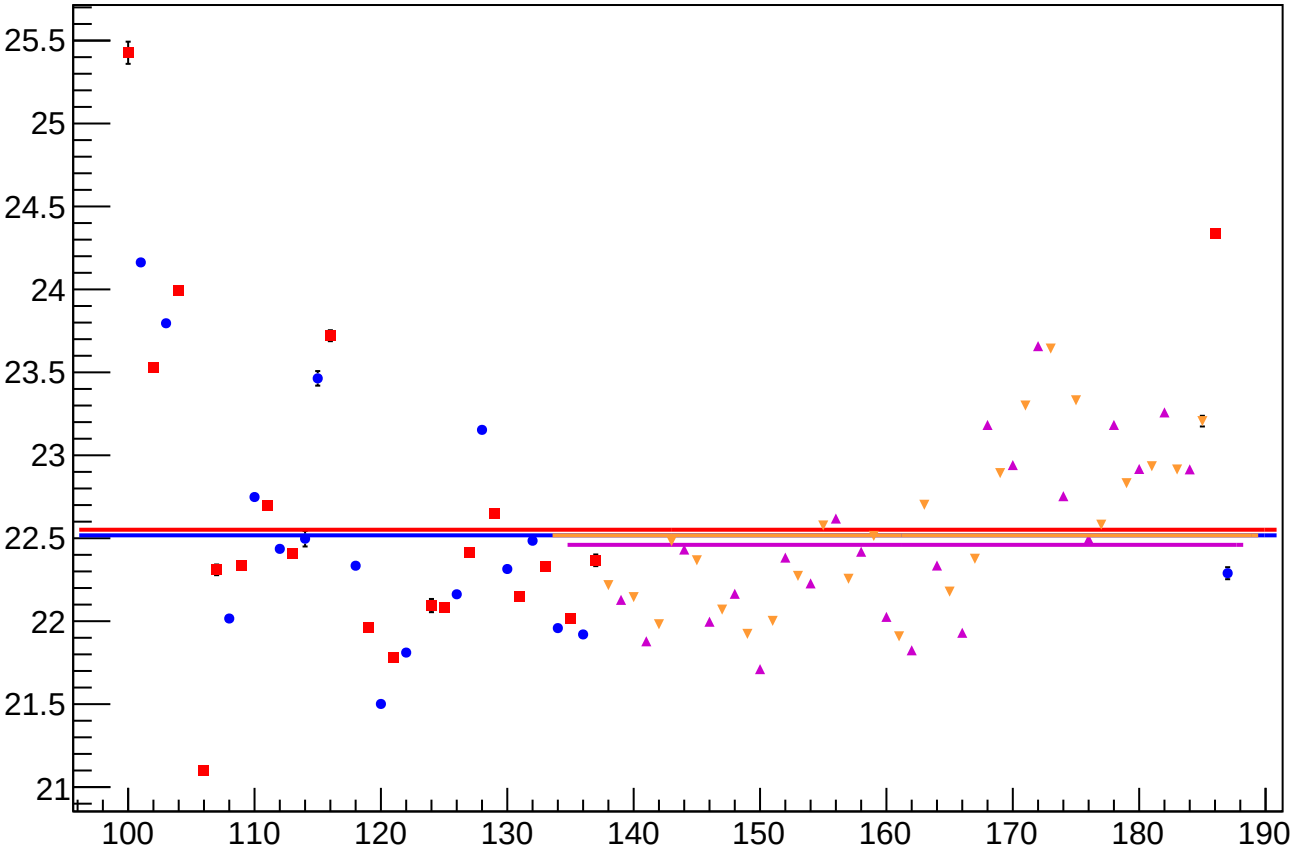
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.158+/-4.350 χ^2/NDF: 55.9/41

All: -0.623+/-3.090 χ^2/NDF: 95.5/84

- sign -6.509+/-4.389 χ^2/NDF: 36.1/42

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.517+/-0.006 χ^2/NDF: 15988.4/16

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

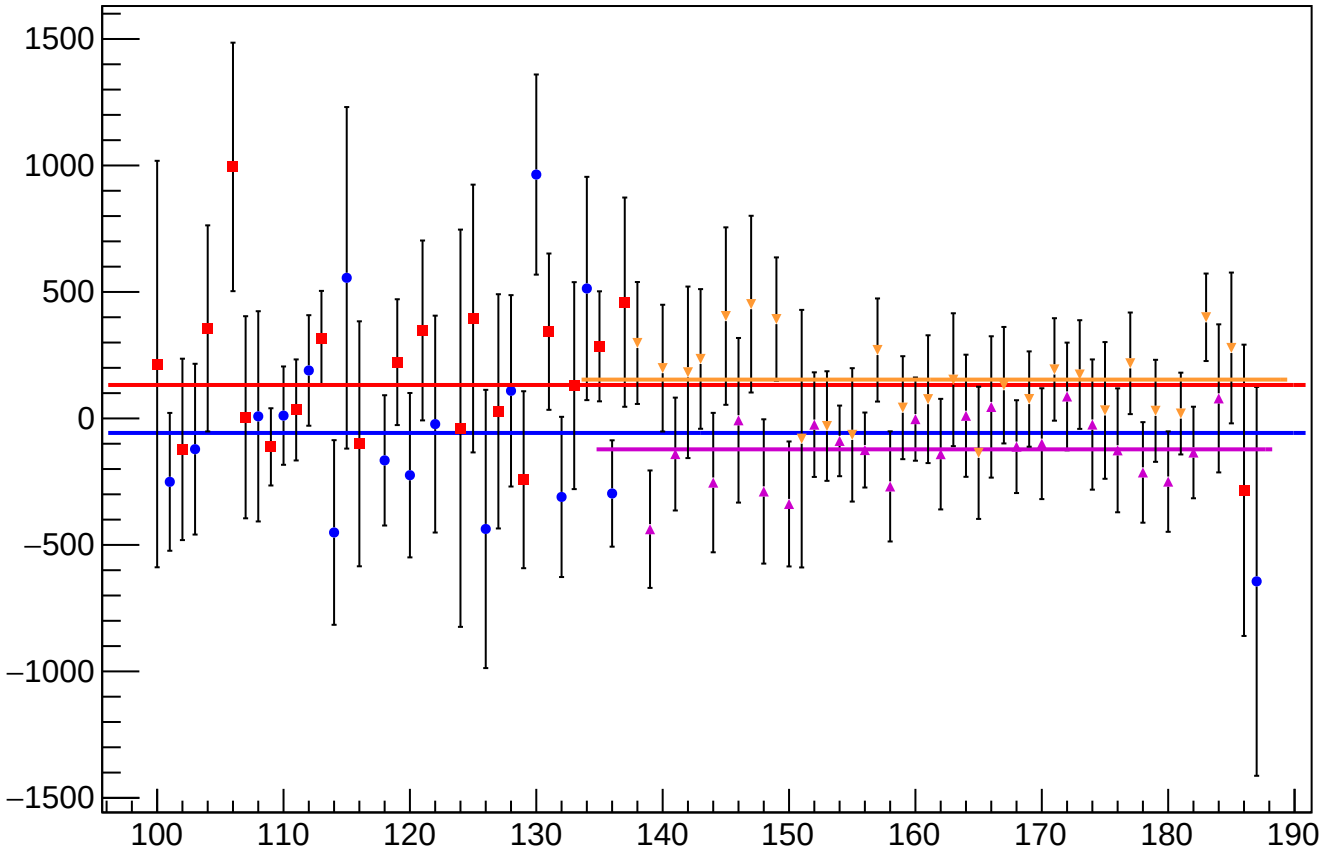
Right Out: 22.551+/-0.006 χ^2/NDF: 20287.1/19

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.517+/-0.003 χ^2/NDF: 31990.9/41

All: 22.503+/-0.002 χ^2/NDF: 71622.8/84

- sign 22.488+/-0.003 χ^2/NDF: 39585.2/42



Right In: -57.348+/-76.417 χ^2/NDF: 15.9/16

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

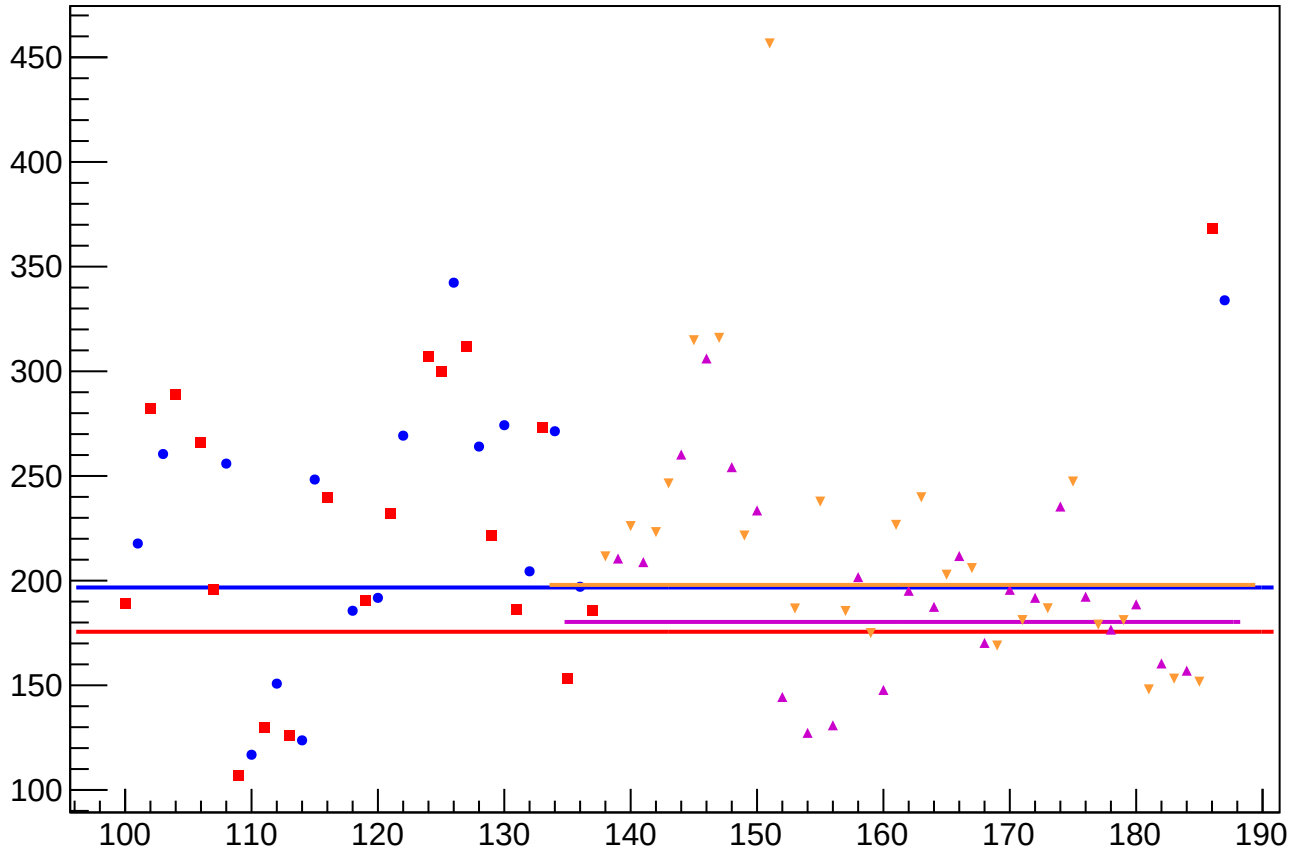
Right Out: 132.269+/-68.142 χ^2/NDF: 12.1/19

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 96.287+/-39.808 χ^2/NDF: 31.5/41

All: 19.197+/-27.089 χ^2/NDF: 68.0/84

- sign -47.283+/-36.968 χ^2/NDF: 29.4/42



Right In: 196.730+/-0.054 χ^2/NDF: 1105776.3/16

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 175.575+/-0.048 χ^2/NDF: 1886738.8/19

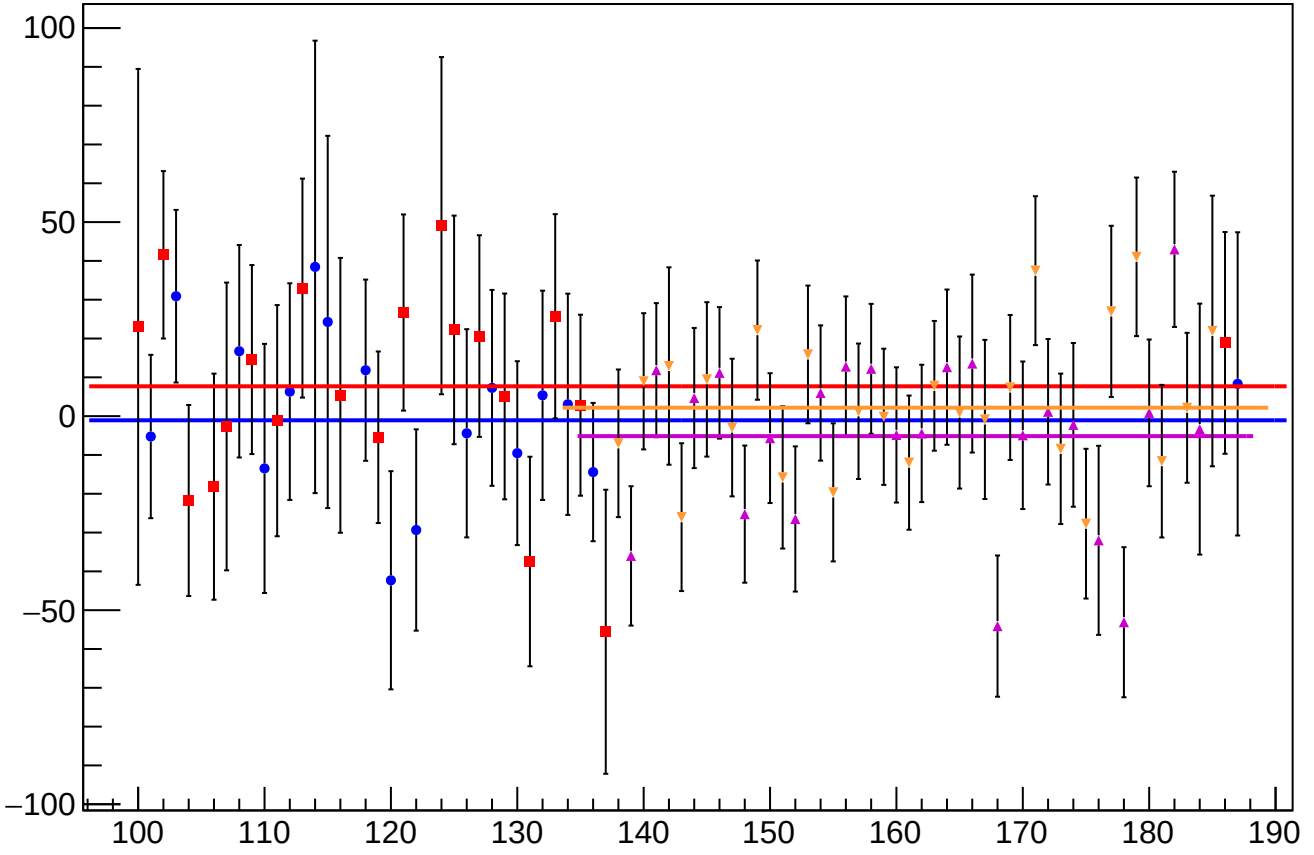
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 197.624+/-0.028 χ^2/NDF: 2897506.5/41

All: 187.566+/-0.019 χ^2/NDF: 6653452.4/84

- sign 178.891+/-0.026 χ^2/NDF: 3518134.1/42

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -1.071+/-6.410 χ^2/NDF: 8.1/16

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 7.688+/-6.247 χ^2/NDF: 14.6/19

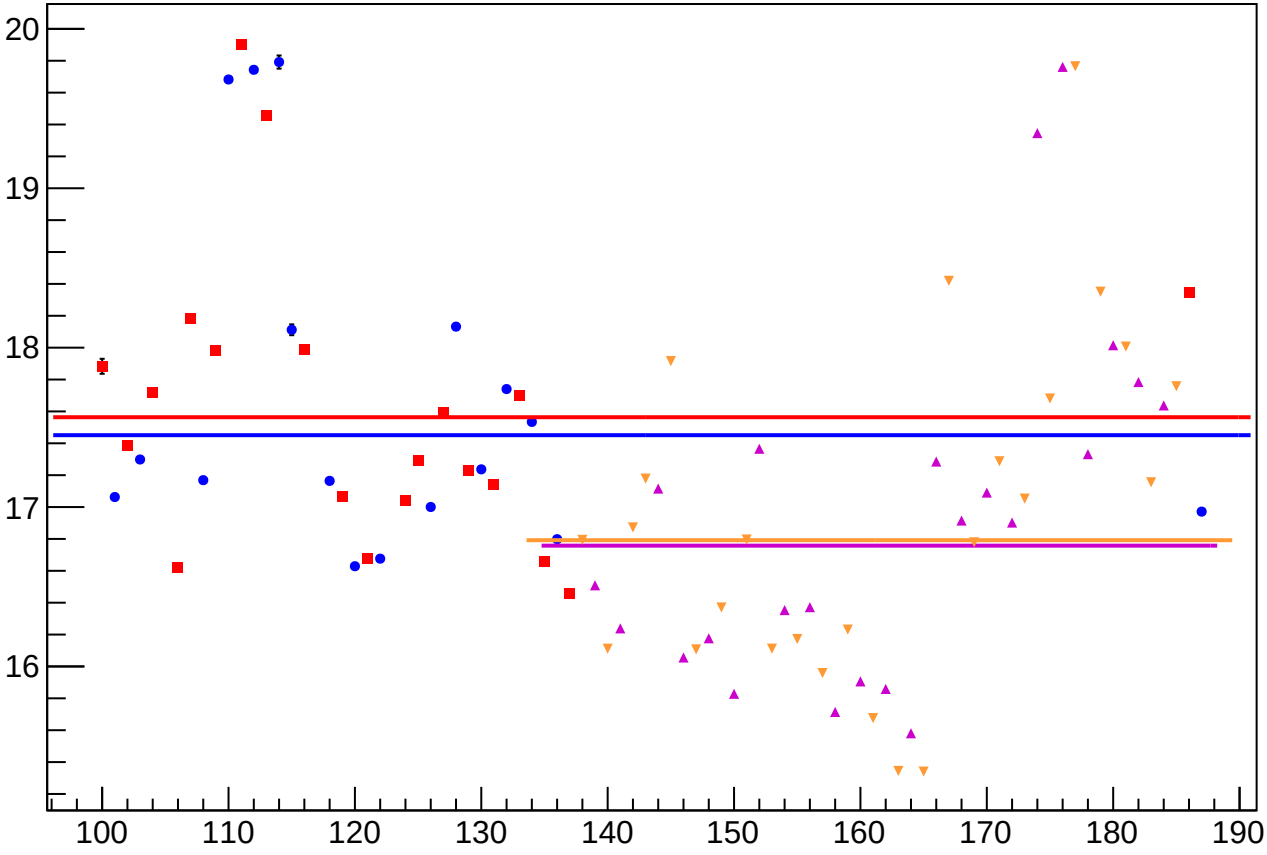
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 1.322+/-3.285 χ^2/NDF: 28.2/41

All: -0.082+/-2.336 χ^2/NDF: 78.5/84

- sign -1.518+/-3.323 χ^2/NDF: 49.9/42

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.451+/-0.005 χ^2/NDF: 36959.7/16

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

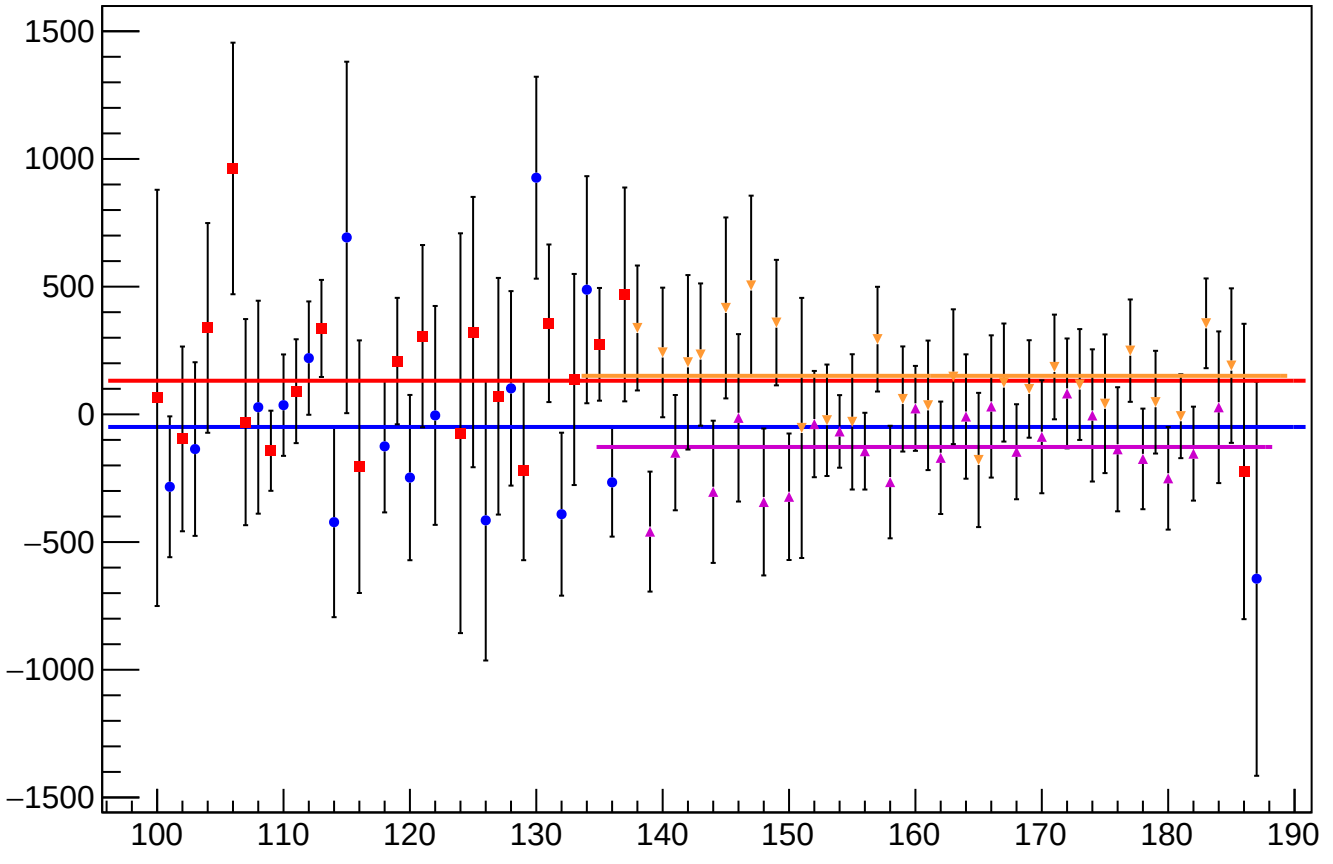
Right Out: 17.564+/-0.004 χ^2/NDF: 36299.9/19

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.965+/-0.002 χ^2/NDF: 189543.3/41

All: 16.975+/-0.002 χ^2/NDF: 373050.3/84

\- sign 16.986+/-0.002 χ^2/NDF: 183467.4/42



Right In: -49.390+/-77.195 χ^2/NDF: 16.1/16

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 131.637+/-69.059 χ^2/NDF: 11.9/19

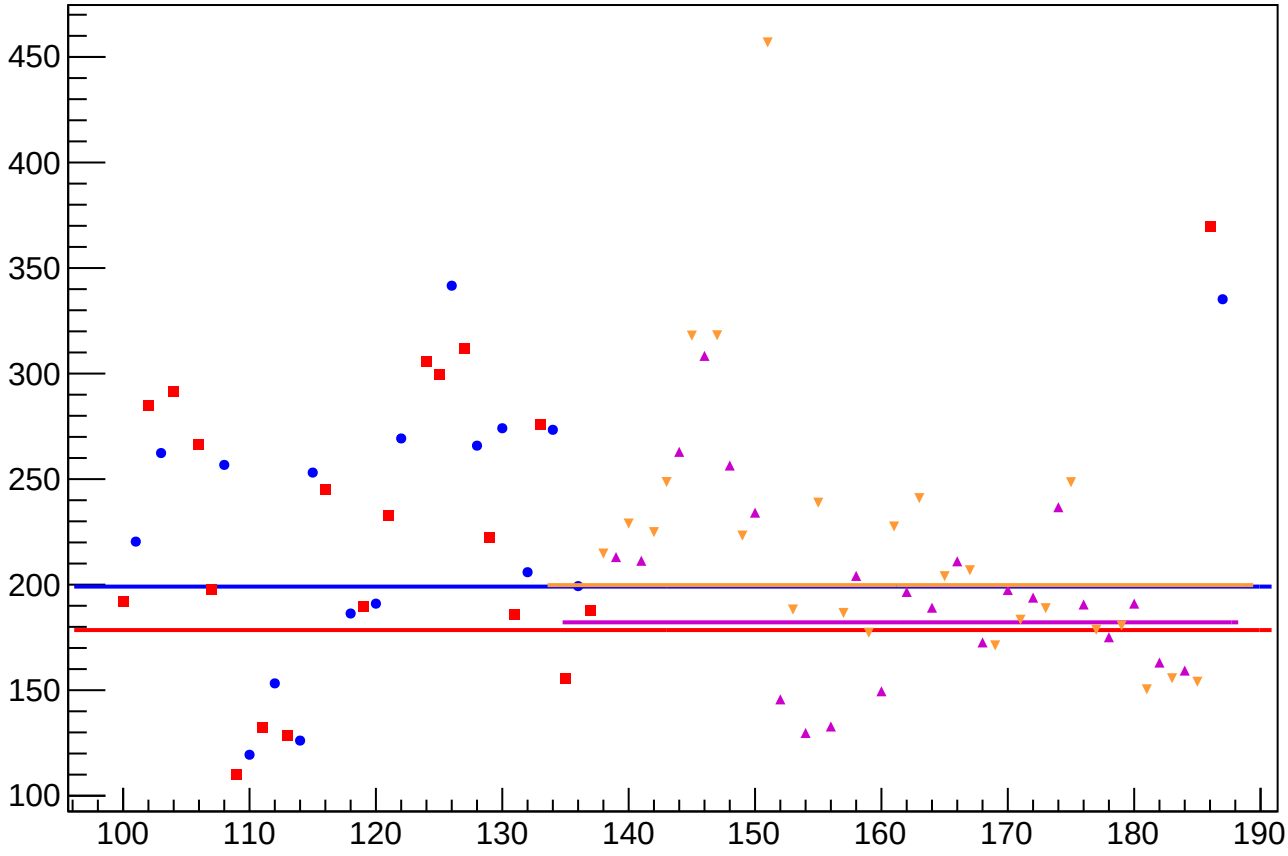
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 96.662+/-40.166 χ^2/NDF: 30.9/41

All: 17.071+/-27.357 χ^2/NDF: 68.0/84

- sign -51.796+/-37.363 χ^2/NDF: 29.7/42

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 199.083+/-0.055 χ^2/NDF: 1063202.4/16

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

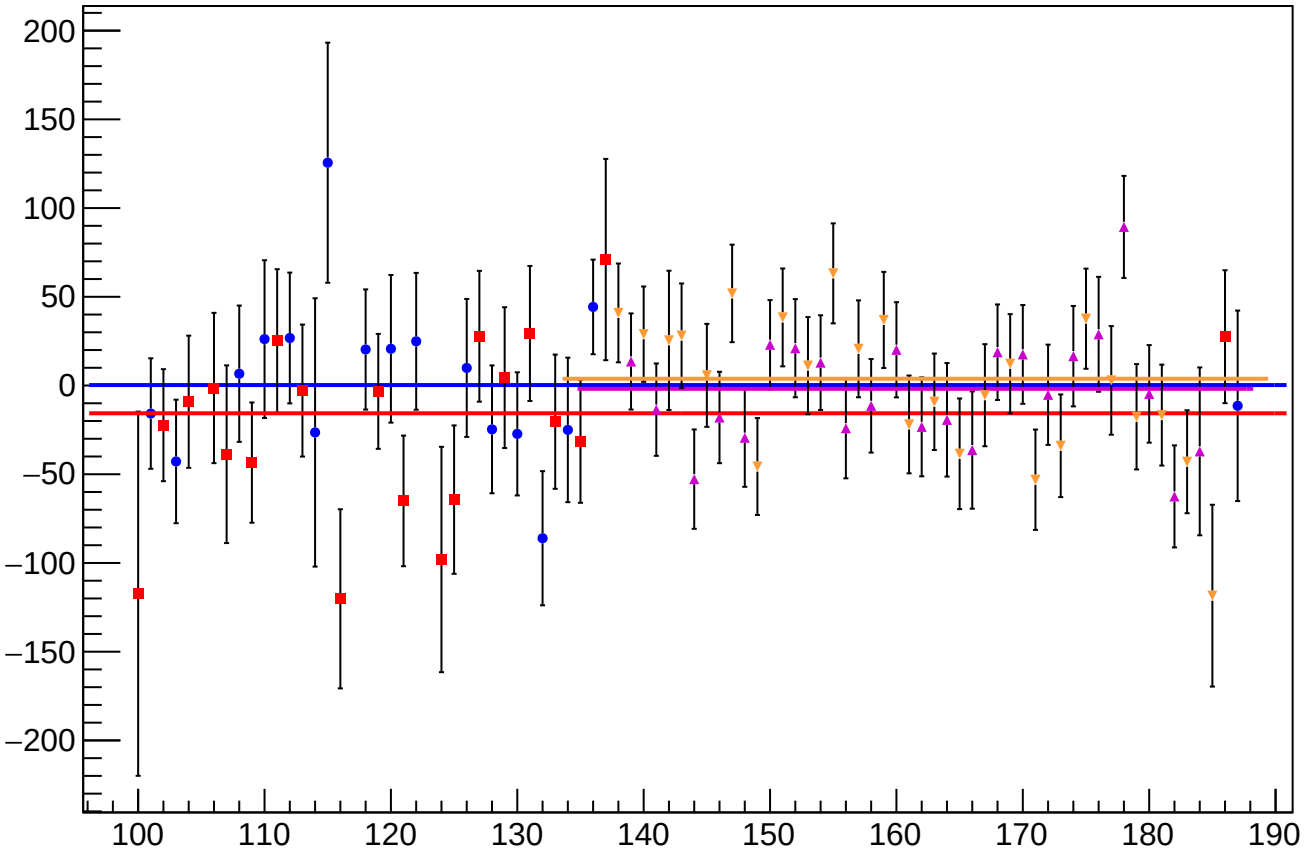
Right Out: 178.485+/-0.049 χ^2/NDF: 1812894.8/19

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 199.595+/-0.028 χ^2/NDF: 2823649.0/41

All: 189.667+/-0.019 χ^2/NDF: 6452776.6/84

- sign 181.077+/-0.026 χ^2/NDF: 3401236.6/42



Right In: 0.259+/-9.280 χ^2/NDF: 16.8/16

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

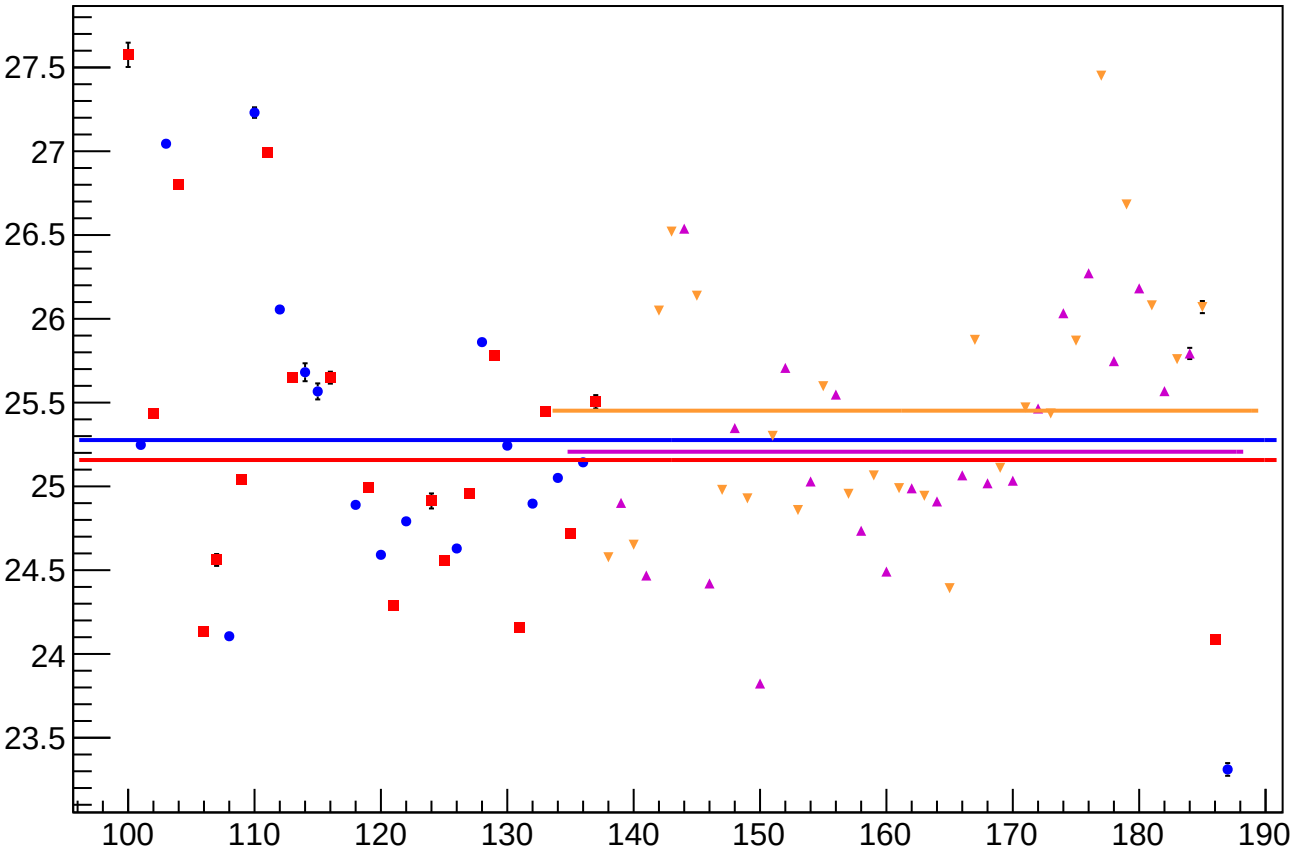
Right Out: -15.640+/-8.942 χ^2/NDF: 19.4/19

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.830+/-4.911 χ^2/NDF: 54.5/41

All: -1.590+/-3.476 χ^2/NDF: 105.3/84

- sign -6.026+/-4.921 χ^2/NDF: 49.1/42



Right In: 25.276+/-0.007 χ^2/NDF: 17080.0/16

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

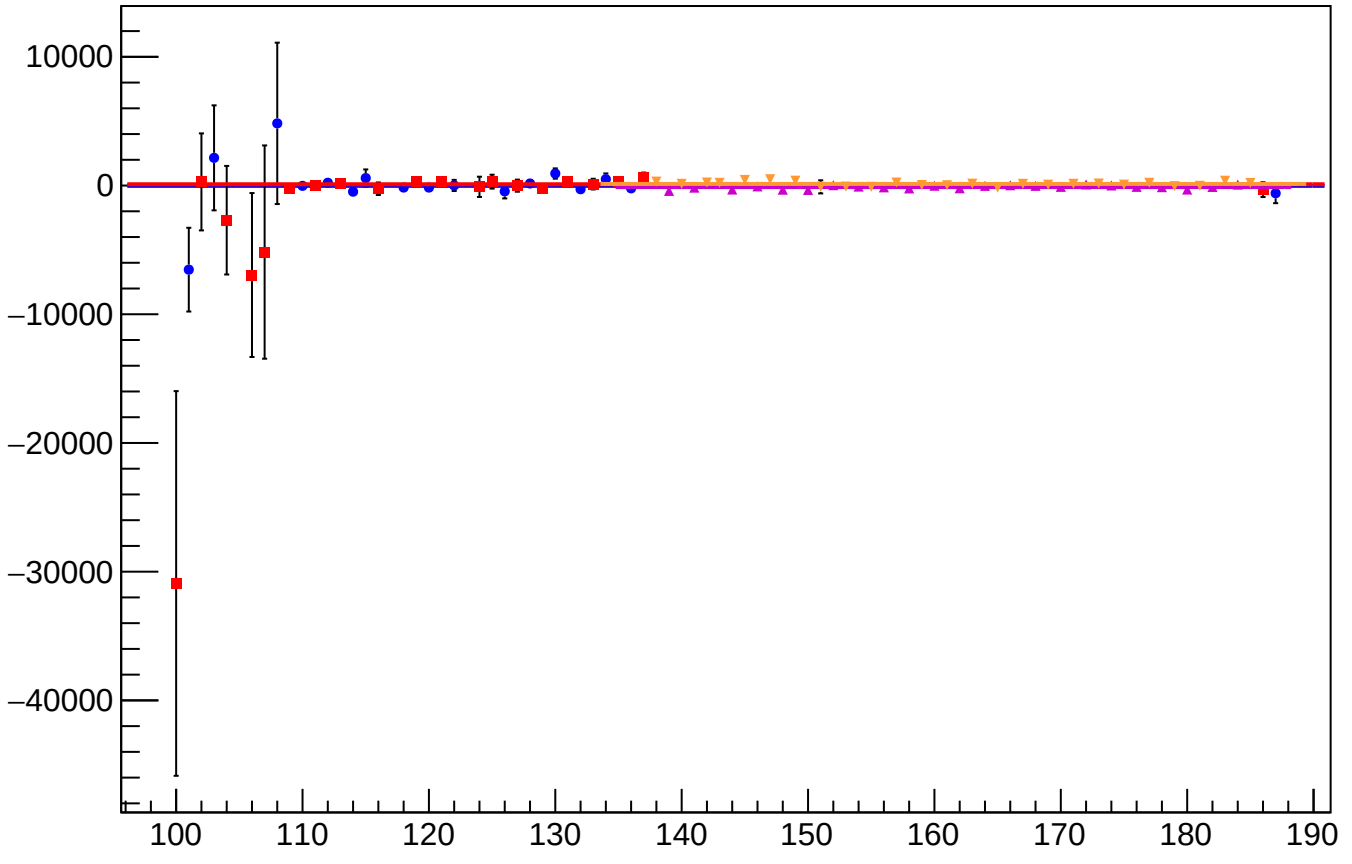
Right Out: 25.157+/-0.006 χ^2/NDF: 16961.0/19

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.403+/-0.003 χ^2/NDF: 47206.7/41

All: 25.297+/-0.002 χ^2/NDF: 91877.2/84

- sign 25.192+/-0.003 χ^2/NDF: 42831.1/42



Right In: -22.384+/-84.195 χ^2/NDF: 18.9/16

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

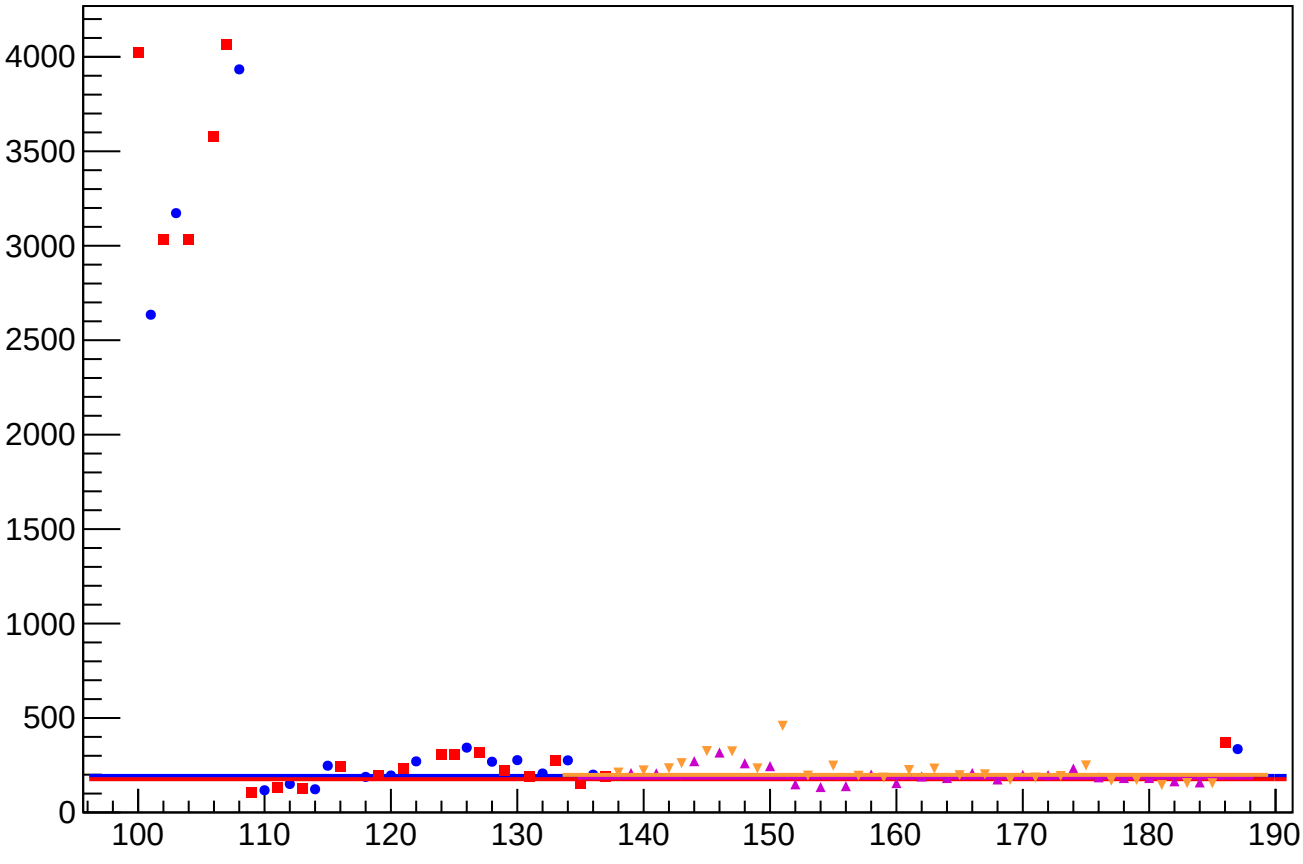
Right Out: 101.097+/-77.388 χ^2/NDF: 14.6/19

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign 90.192+/-40.989 χ^2/NDF: 32.3/41

All: 9.778+/-28.185 χ^2/NDF: 68.1/84

- sign -62.343+/-38.818 χ^2/NDF: 28.5/42



Right In: 193.444+/-0.060 χ^2/NDF: 3890211.5/16

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

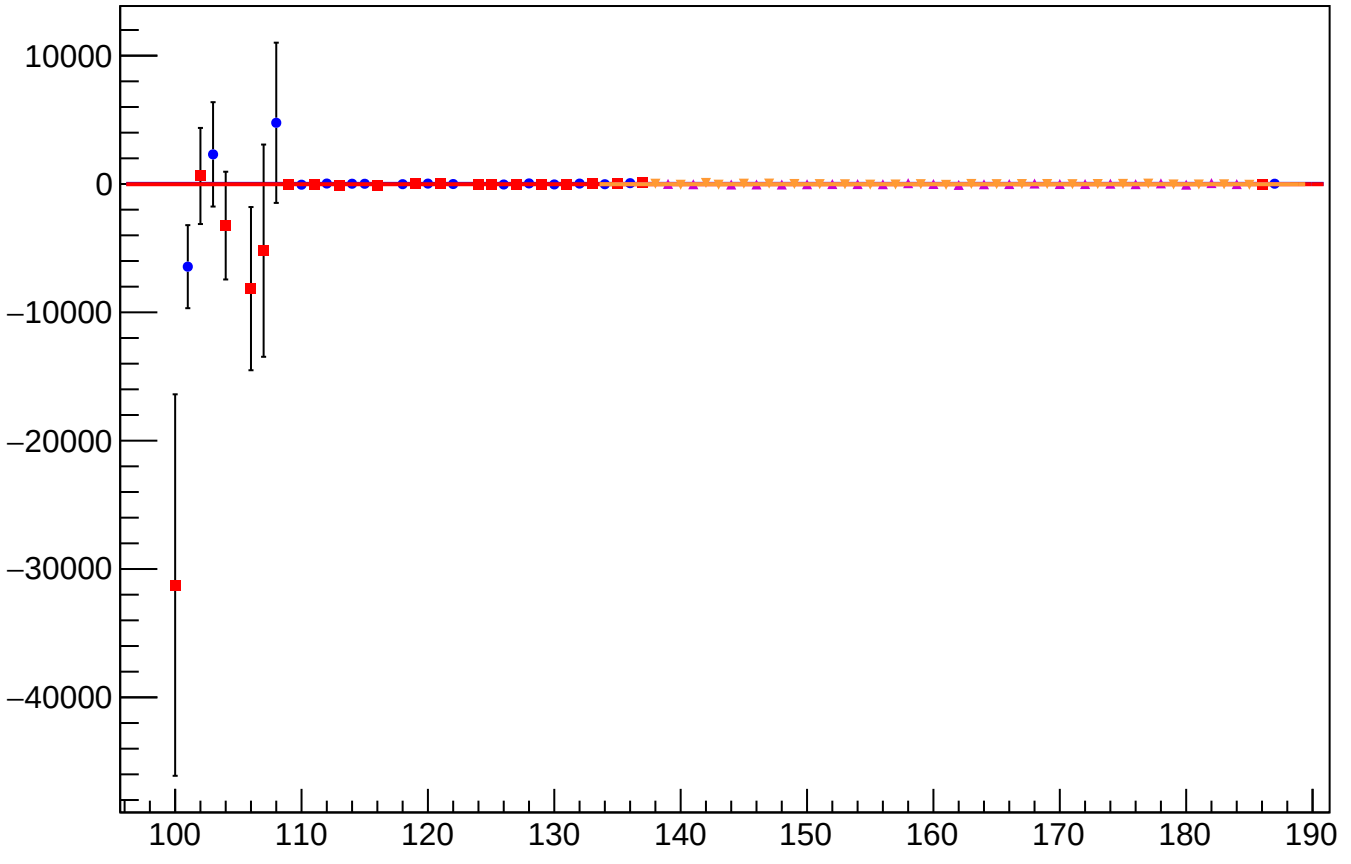
Right Out: 175.999+/-0.055 χ^2/NDF: 4529580.2/19

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 197.679+/-0.029 χ^2/NDF: 5798996.6/41

All: 189.564+/-0.020 χ^2/NDF: 11941213.9/84

- sign 182.285+/-0.027 χ^2/NDF: 5993518.4/42



Right In: 9.927+/-11.521 χ^2/NDF: 16.0/16

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -18.234+/-11.491 χ^2/NDF: 24.8/19

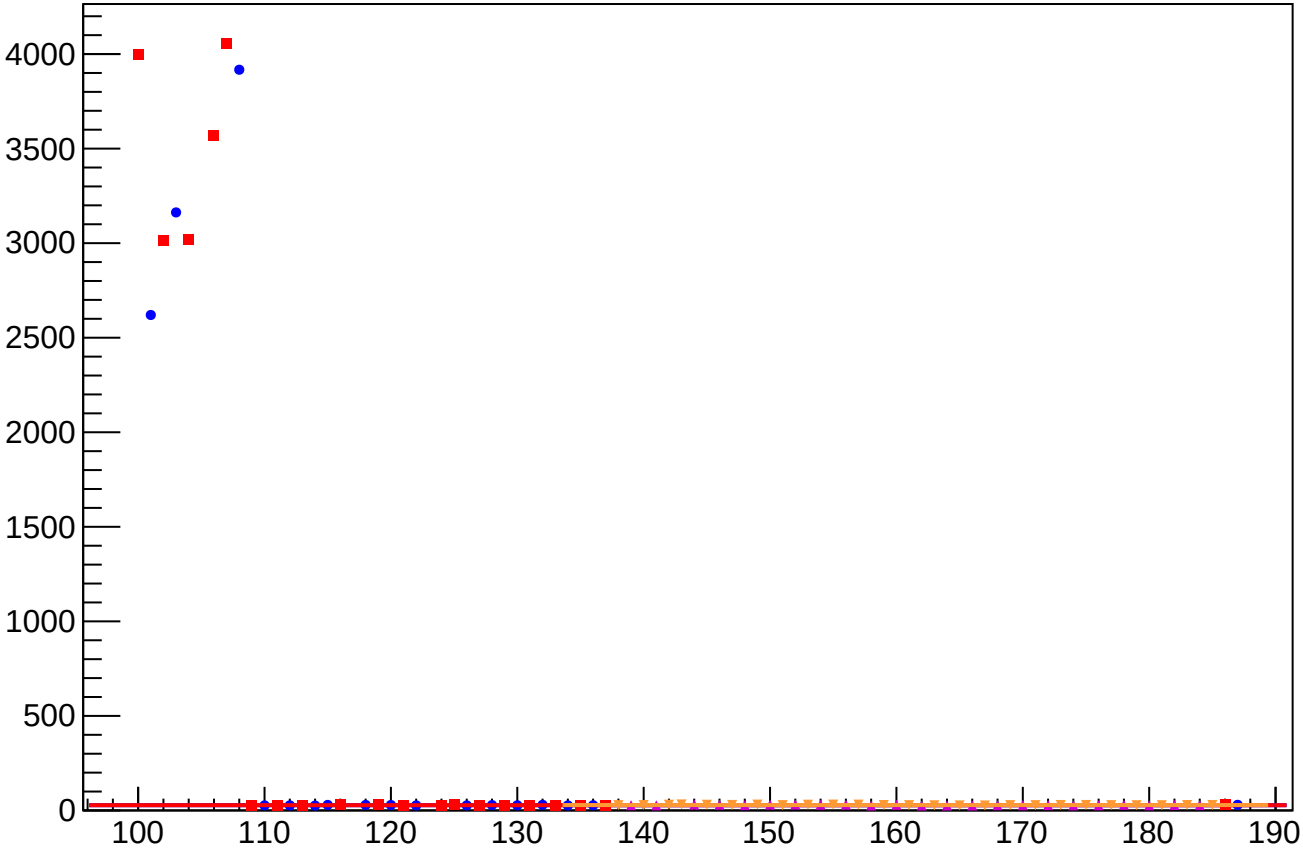
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -8.834+/-5.669 χ^2/NDF: 41.8/41

All: -7.570+/-4.051 χ^2/NDF: 96.4/84

- sign -6.251+/-5.790 χ^2/NDF: 54.5/42

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.700+/-0.008 χ^2/NDF: 3267304.1/16

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

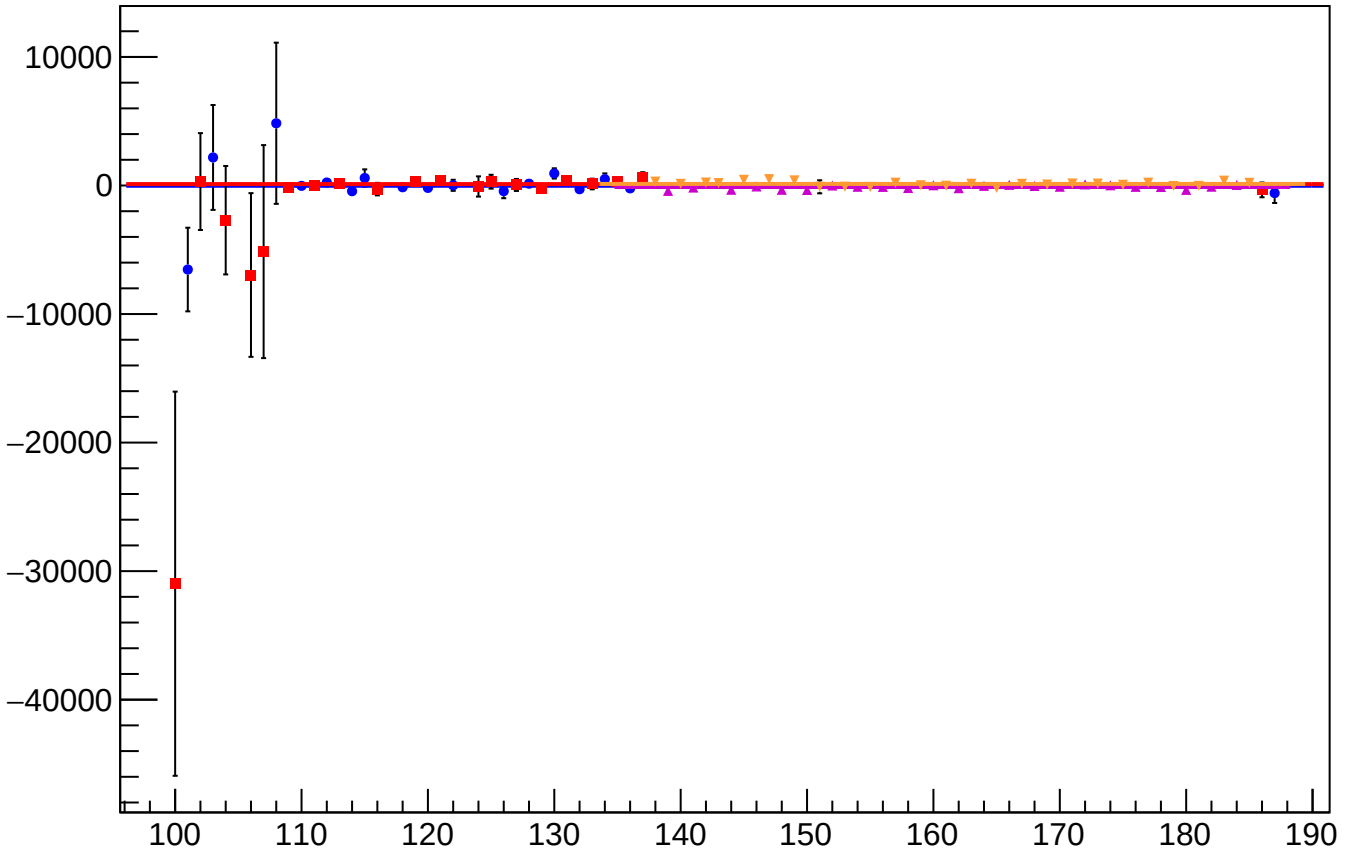
Right Out: 27.780+/-0.008 χ^2/NDF: 3571687.3/19

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.371+/-0.004 χ^2/NDF: 3364389.8/41

All: 28.383+/-0.003 χ^2/NDF: 7066729.9/84

- sign 28.396+/-0.004 χ^2/NDF: 3702321.3/42



Right In: -20.003+/-83.952 χ^2/NDF: 18.9/16

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 109.826+/-77.160 χ^2/NDF: 15.1/19

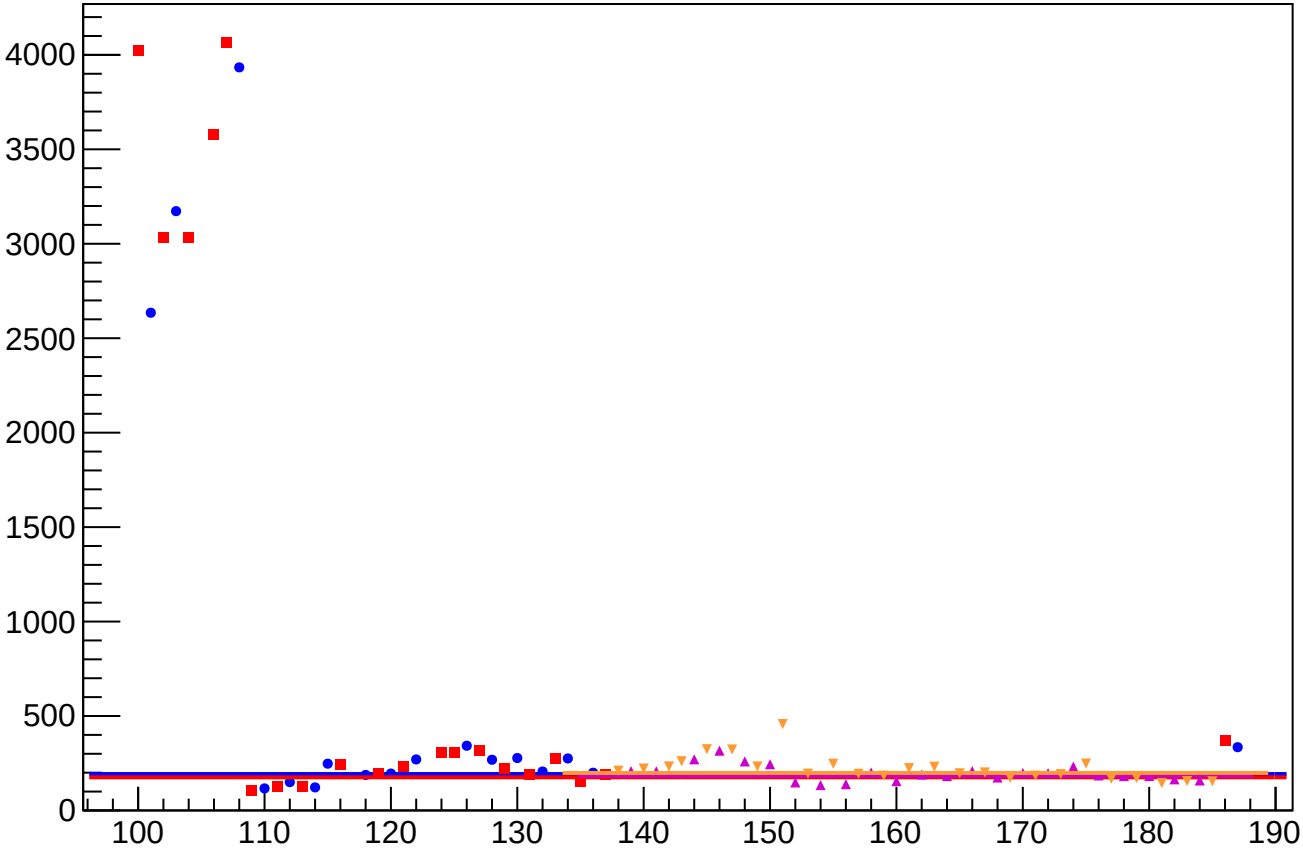
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 88.241+/-40.894 χ^2/NDF: 33.0/41

All: 10.485+/-28.122 χ^2/NDF: 69.8/84

- sign -59.273+/-38.734 χ^2/NDF: 29.9/42

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 192.776+/-0.059 χ^2/NDF: 3902755.4/16

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

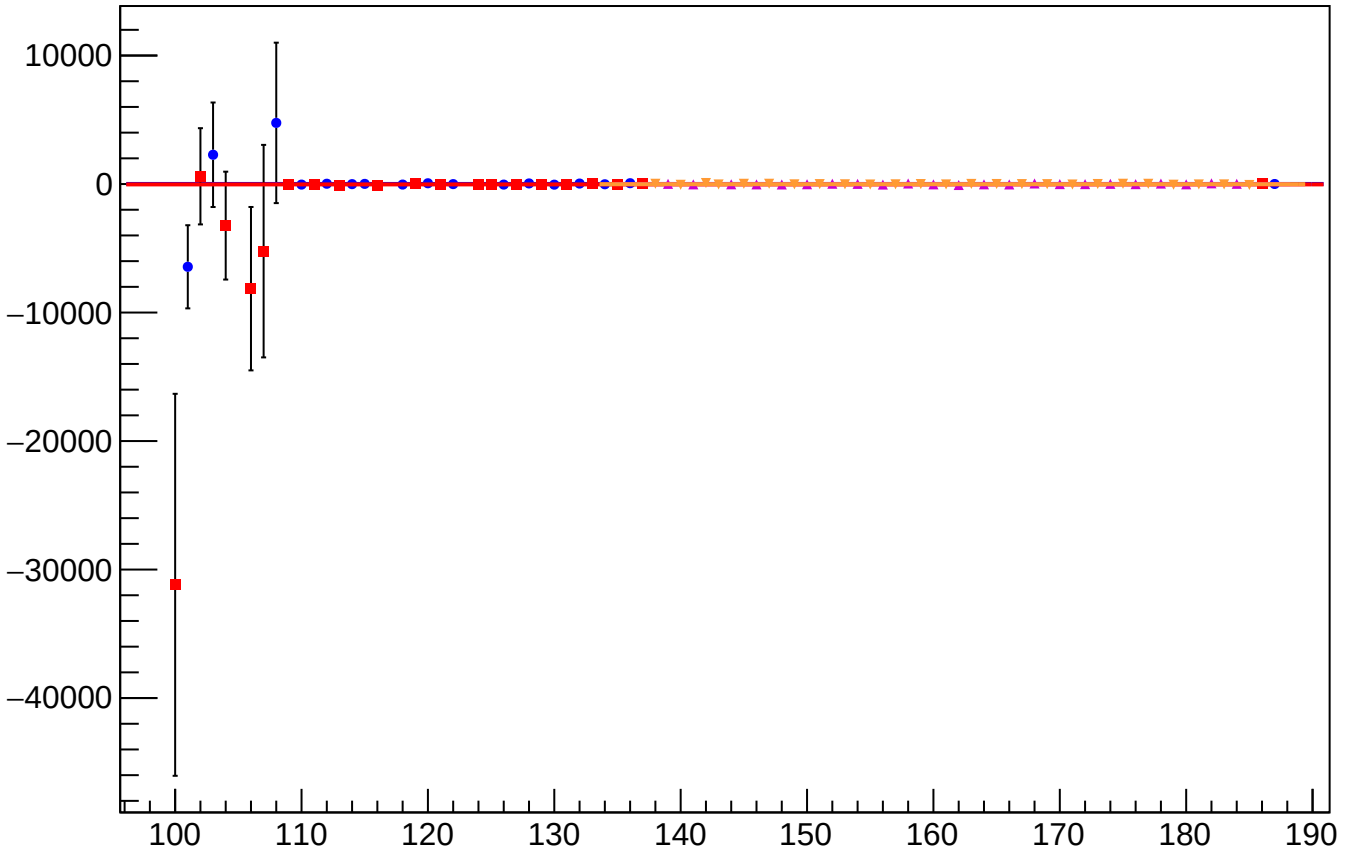
Right Out: 175.362+/-0.055 χ^2/NDF: 4543159.9/19

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 197.196+/-0.029 χ^2/NDF: 5811527.8/41

All: 189.113+/-0.020 χ^2/NDF: 11967310.7/84

- sign 181.861+/-0.027 χ^2/NDF: 6007555.0/42



Right In: 6.410+/-11.596 χ^2/NDF: 18.3/16

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -28.654+/-11.562 χ^2/NDF: 20.5/19

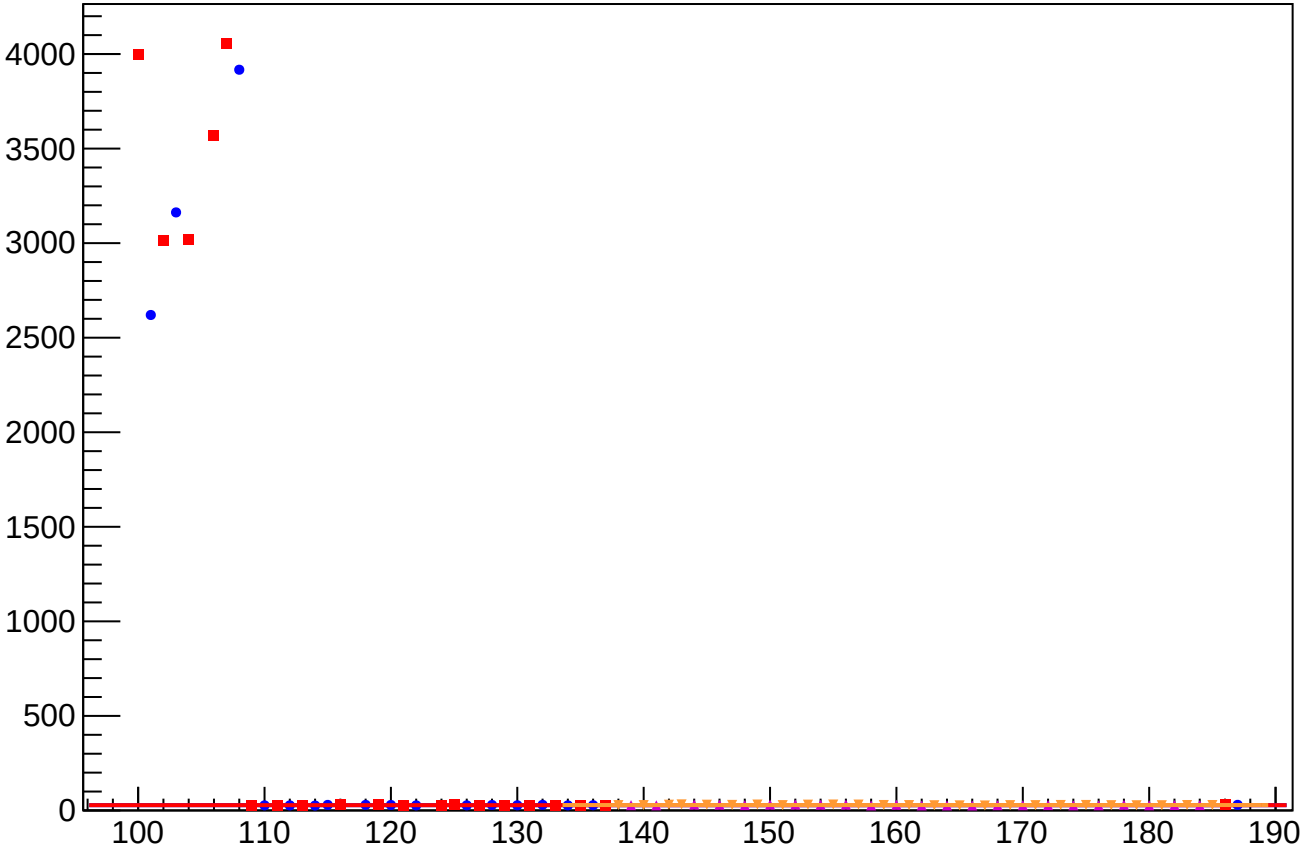
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

\+ sign -7.452+/-5.697 χ^2/NDF: 38.1/41

All: -8.297+/-4.070 χ^2/NDF: 84.6/84

\- sign -9.179+/-5.818 χ^2/NDF: 46.5/42

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.876+/-0.008 χ^2/NDF: 3267207.5/16

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

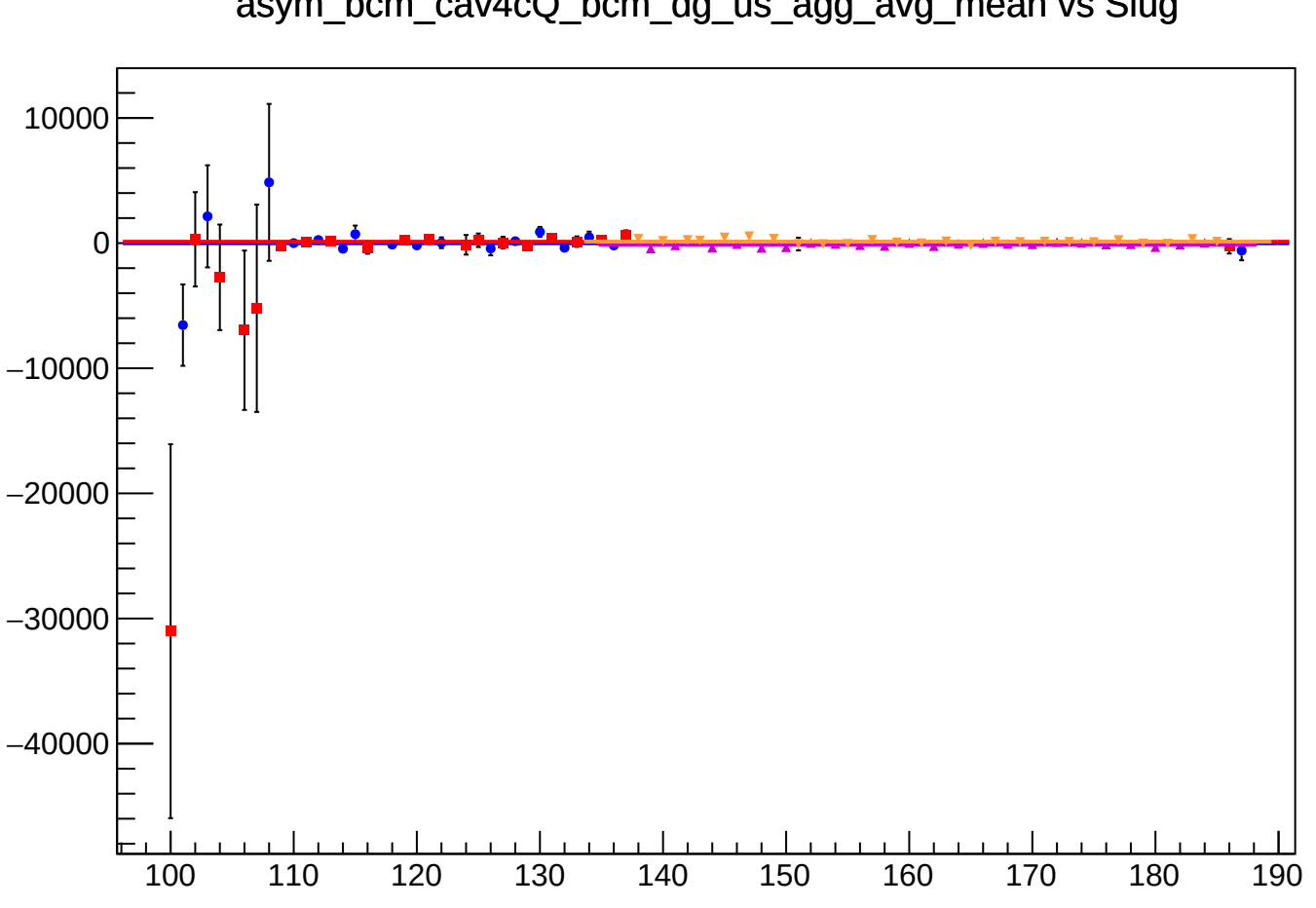
Right Out: 27.954+/-0.008 χ^2/NDF: 3568740.1/19

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.507+/-0.004 χ^2/NDF: 3373879.2/41

All: 28.519+/-0.003 χ^2/NDF: 7076711.2/84

\- sign 28.532+/-0.004 χ^2/NDF: 3702813.0/42



Right In: -9.957+/-84.992 χ^2/NDF: 18.8/16

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

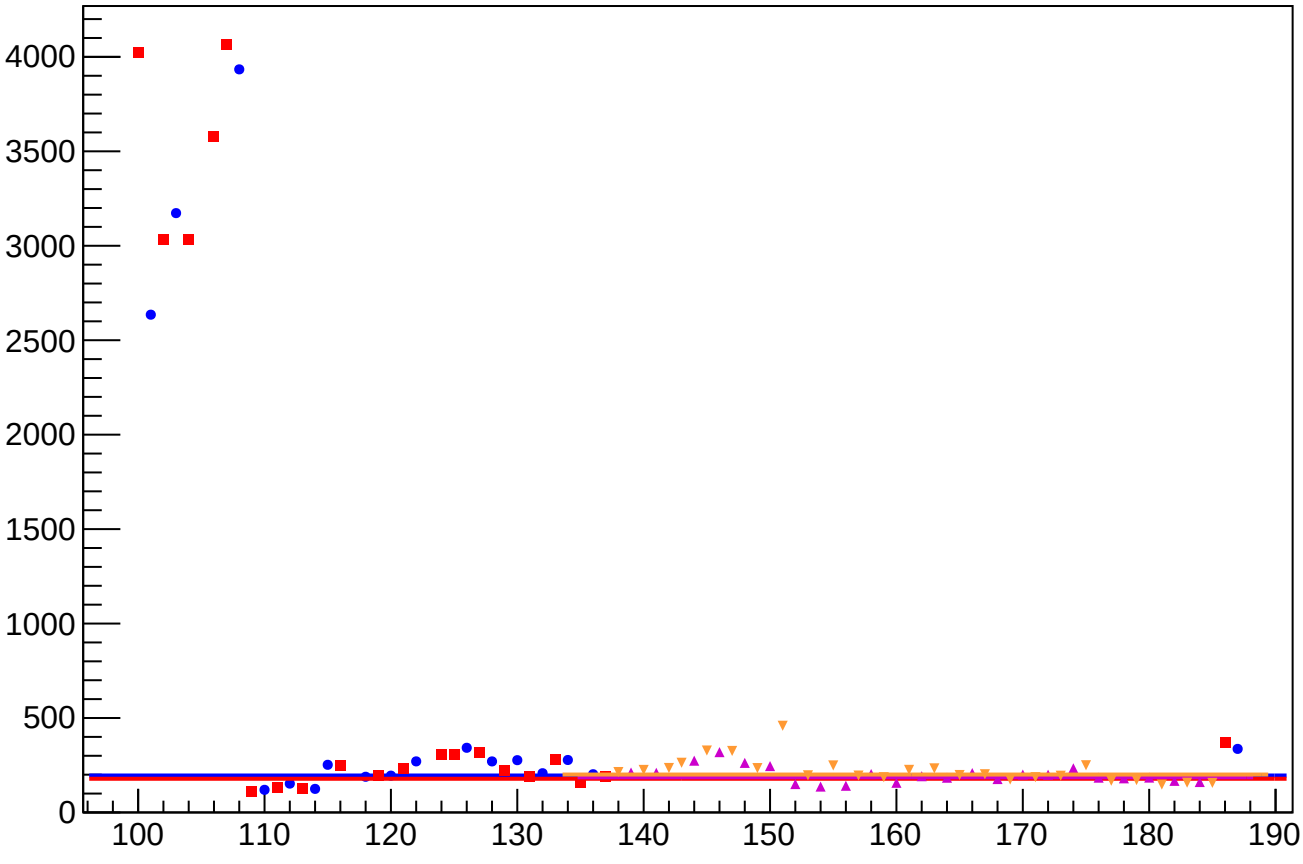
Right Out: 108.921+/-78.224 χ^2/NDF: 14.2/19

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign 91.455+/-41.330 χ^2/NDF: 32.0/41

All: 9.133+/-28.435 χ^2/NDF: 68.8/84

- sign -64.849+/-39.181 χ^2/NDF: 29.3/42



Right In: 195.663+/-0.060 χ^2/NDF: 3851403.4/16

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

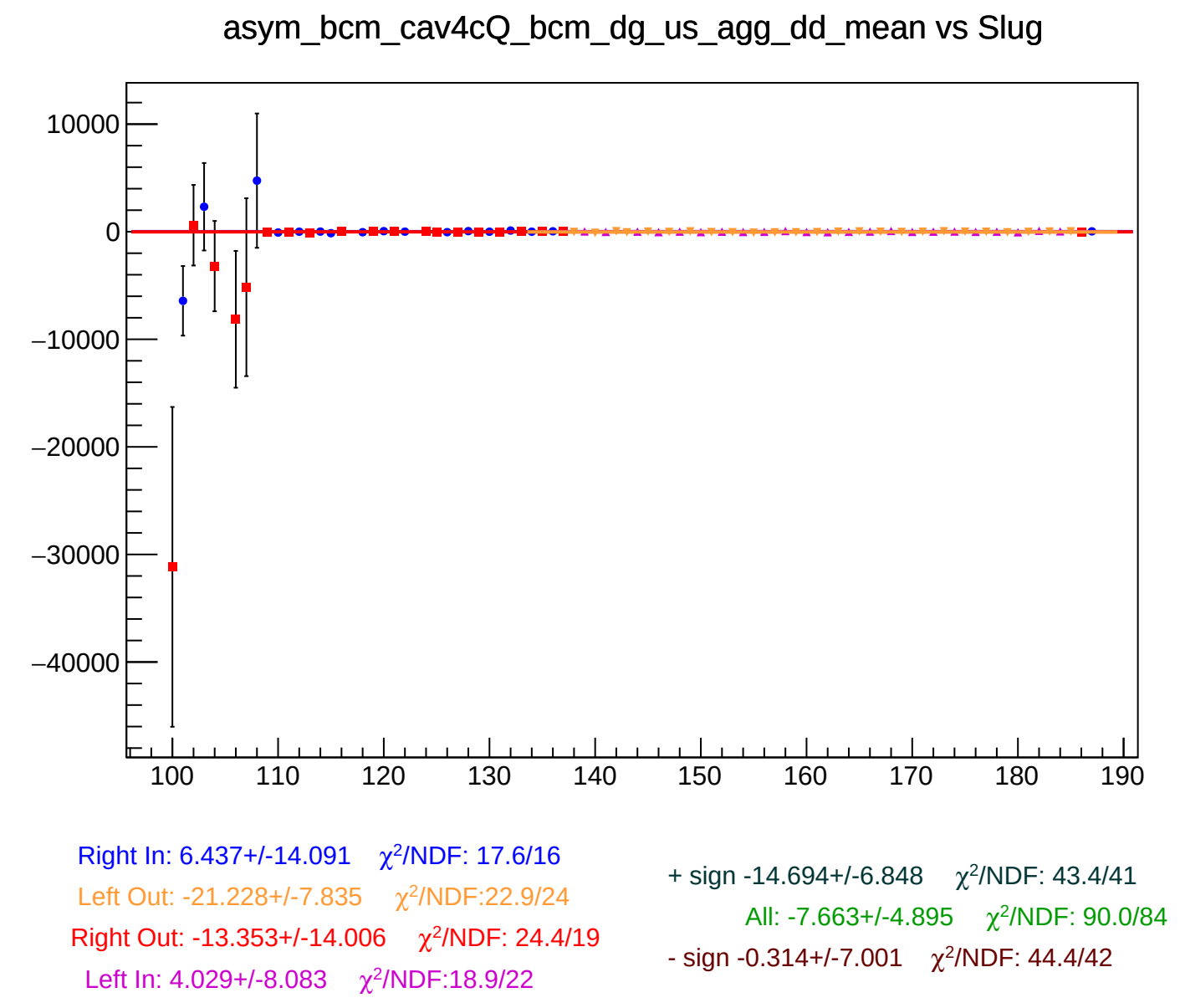
Right Out: 178.349+/-0.055 χ^2/NDF: 4481919.1/19

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

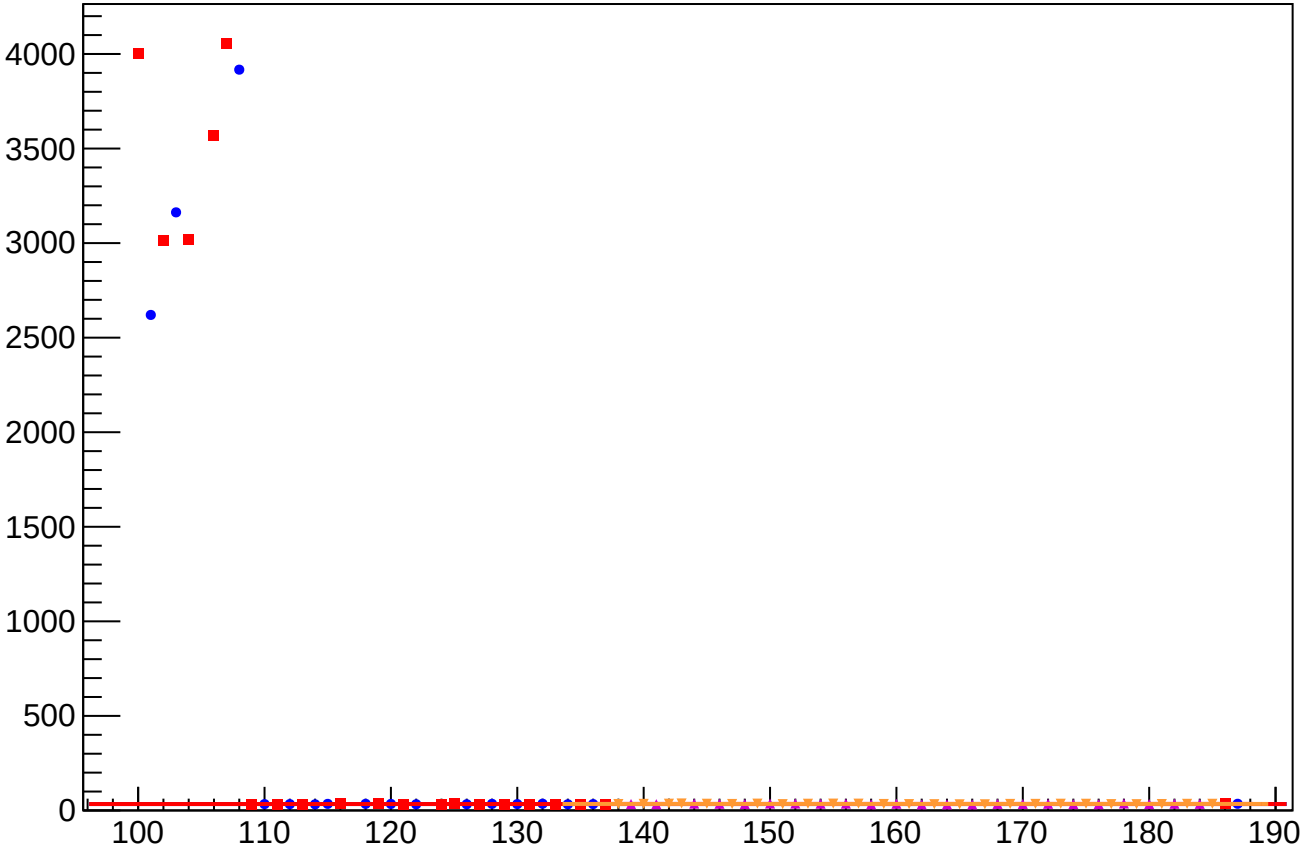
+ sign 199.498+/-0.029 χ^2/NDF: 5736820.2/41

All: 191.445+/-0.020 χ^2/NDF: 11791274.3/84

- sign 184.207+/-0.028 χ^2/NDF: 5910278.9/42


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 6.437+/-14.091 χ²/NDF: 17.6/16
Left Out: -21.228+/-7.835 χ²/NDF:22.9/24
Right Out: -13.353+/-14.006 χ²/NDF: 24.4/19
Left In: 4.029+/-8.083 χ²/NDF:18.9/22
+ sign -14.694+/-6.848 χ²/NDF: 43.4/41
All: -7.663+/-4.895 χ²/NDF: 90.0/84
- sign -0.314+/-7.001 χ²/NDF: 44.4/42

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.940+/-0.010 χ^2/NDF: 3244918.3/16

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

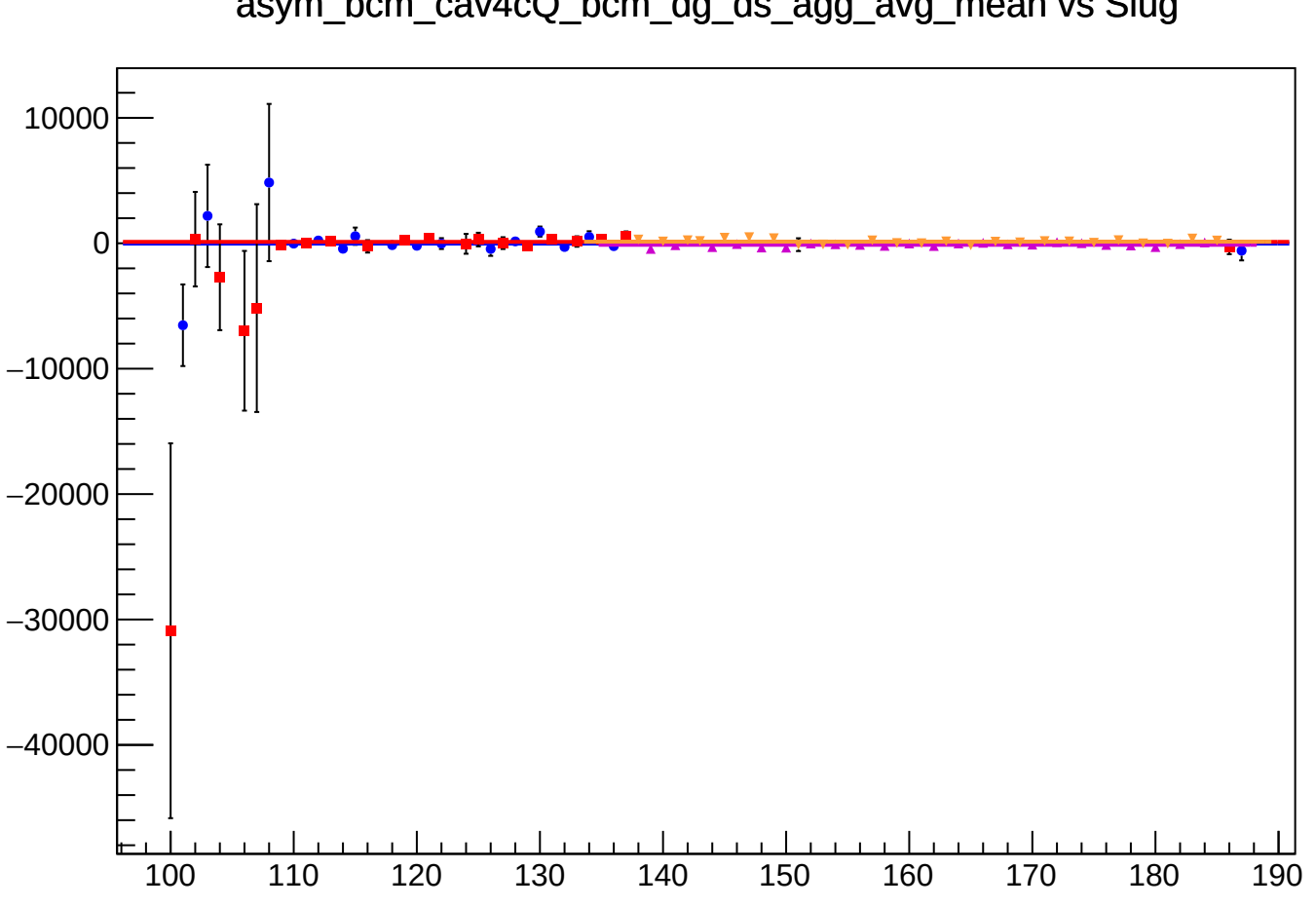
Right Out: 33.936+/-0.010 χ^2/NDF: 3533704.2/19

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.321+/-0.005 χ^2/NDF: 3291518.2/41

All: 34.359+/-0.003 χ^2/NDF: 6887533.5/84

- sign 34.398+/-0.005 χ^2/NDF: 3595891.2/42



Right In: -26.333+/-84.554 χ^2/NDF: 18.7/16

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

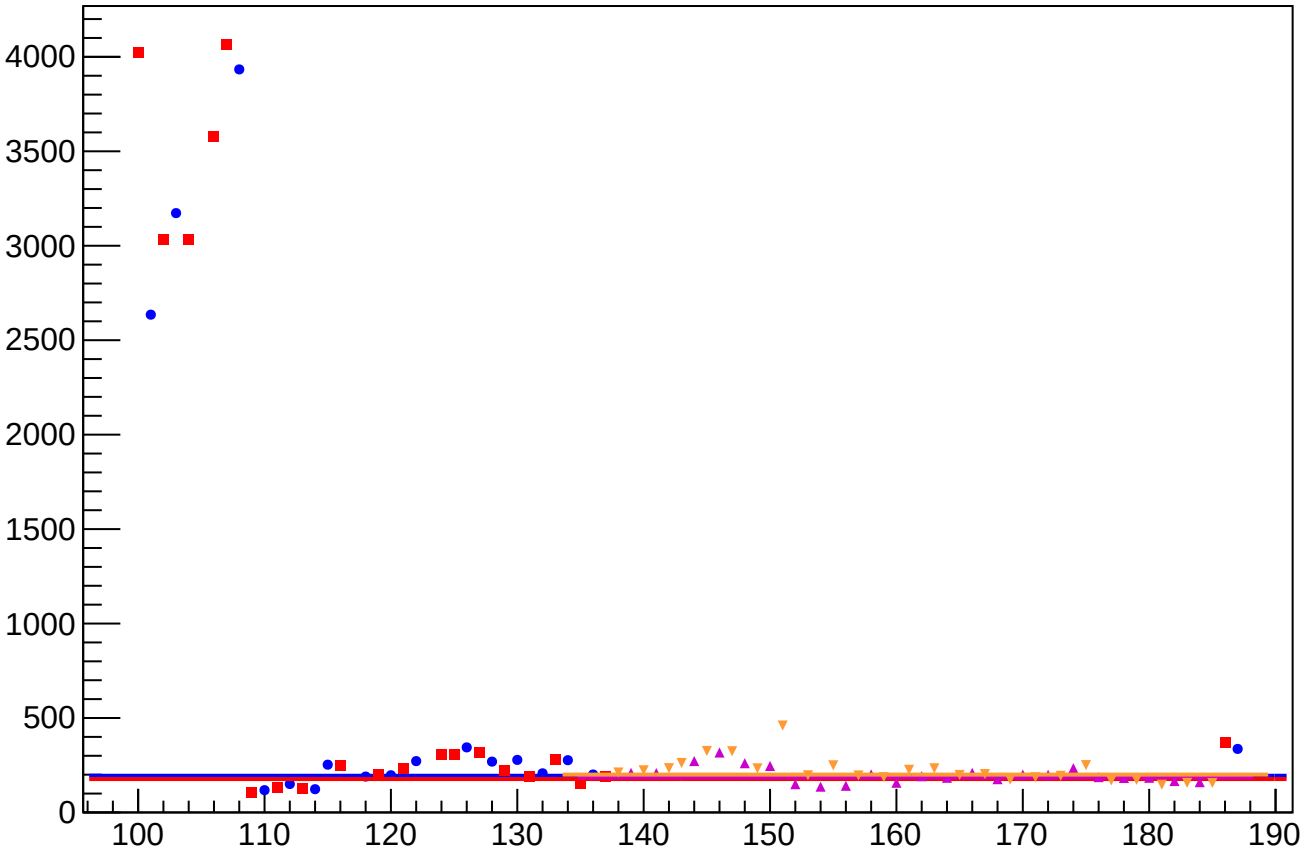
Right Out: 112.416+/-77.738 χ^2/NDF: 13.8/19

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

\+ sign 91.063+/-41.232 χ^2/NDF: 32.9/41

All: 9.694+/-28.362 χ^2/NDF: 68.9/84

\- sign -63.381+/-39.074 χ^2/NDF: 28.6/42



Right In: 194.275+/-0.060 χ^2/NDF: 3890974.3/16

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

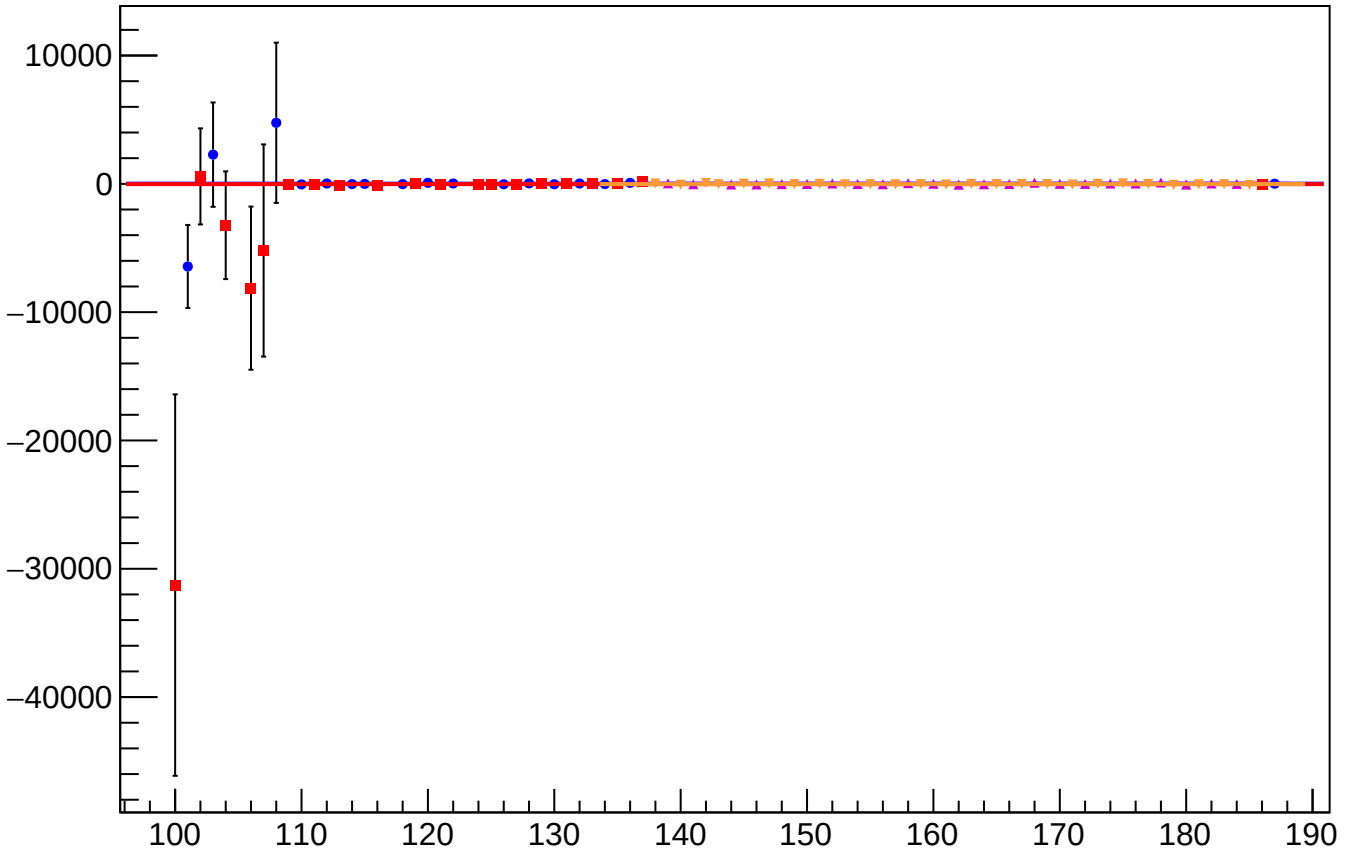
Right Out: 176.805+/-0.055 χ^2/NDF: 4533426.2/19

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 198.922+/-0.029 χ^2/NDF: 5775433.8/41

All: 190.840+/-0.020 χ^2/NDF: 11880586.7/84

- sign 183.581+/-0.028 χ^2/NDF: 5959281.1/42



Right In: 13.661+/-12.865 χ^2/NDF: 15.5/16

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -24.108+/-12.801 χ^2/NDF: 28.8/19

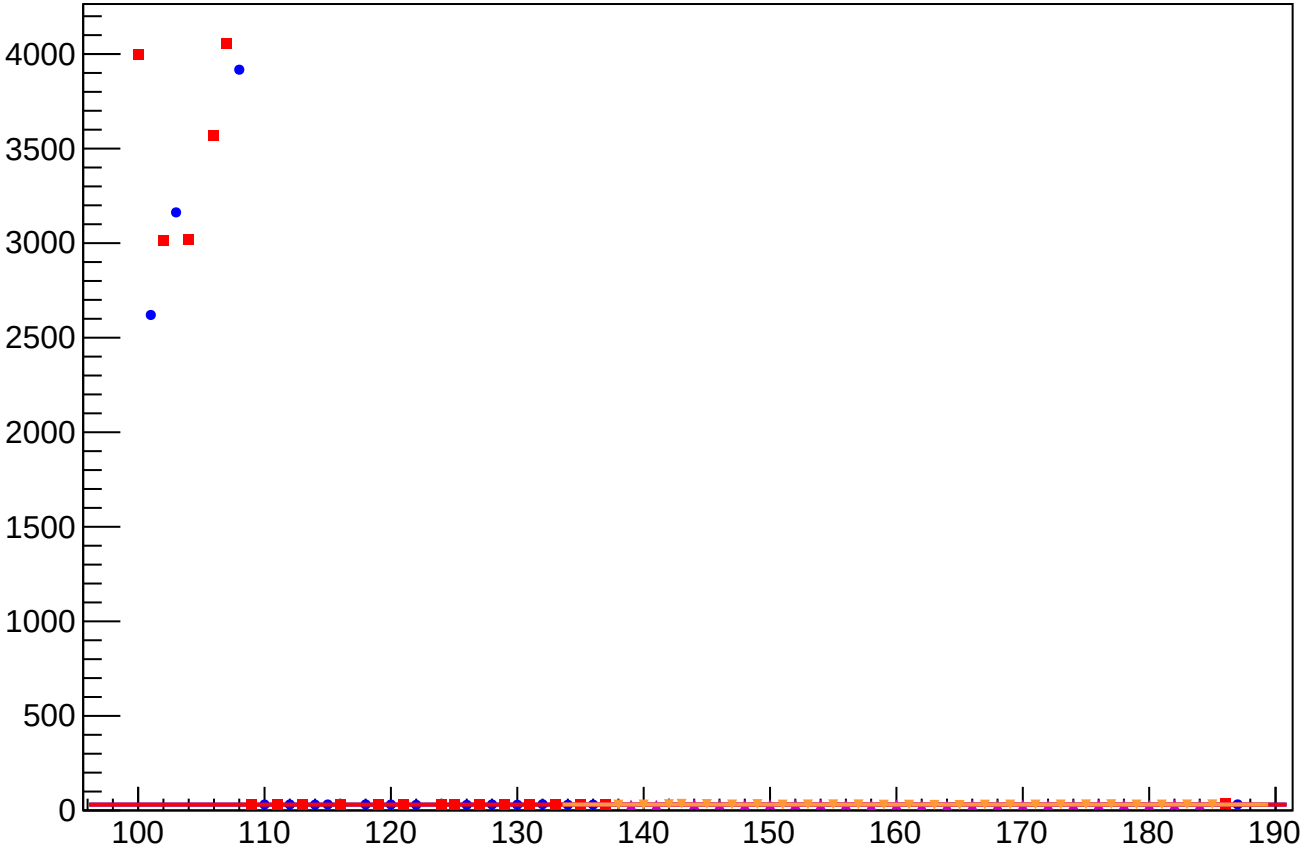
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -10.997+/-6.239 χ^2/NDF: 40.7/41

All: -7.541+/-4.458 χ^2/NDF: 108.9/84

- sign -3.937+/-6.373 χ^2/NDF: 67.6/42

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.962+/-0.009 χ^2/NDF: 3253046.2/16

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

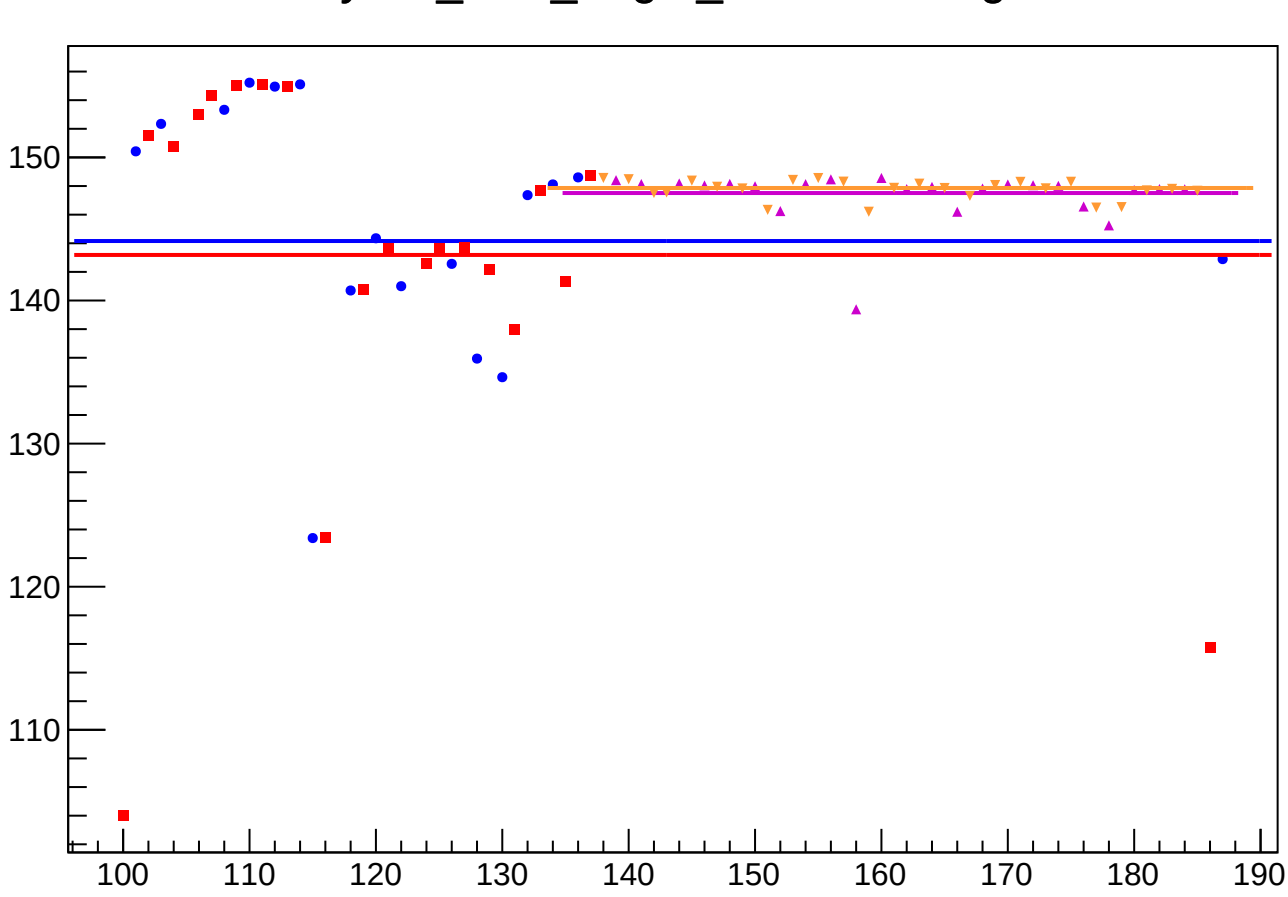
Right Out: 30.989+/-0.009 χ^2/NDF: 3545372.0/19

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.251+/-0.004 χ^2/NDF: 3317384.3/41

All: 31.266+/-0.003 χ^2/NDF: 6949409.2/84

- sign 31.283+/-0.005 χ^2/NDF: 3631999.4/42



Right In: 144.158+/-0.000 χ^2/NDF: 3726102788.8/16

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 143.185+/-0.000 χ^2/NDF: 6069615691.8/19

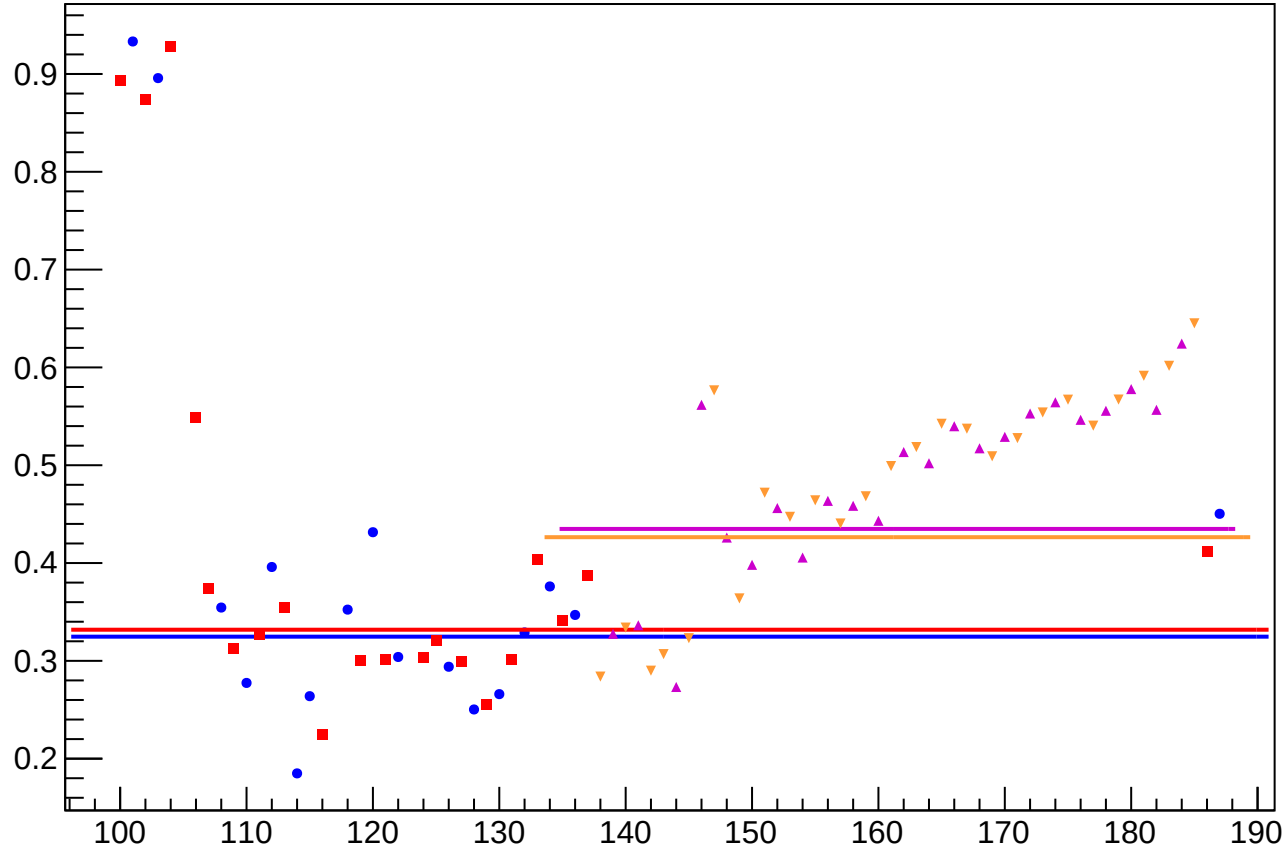
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.479+/-0.000 χ^2/NDF: 4269187482.9/41

All: 146.144+/-0.000 χ^2/NDF: 11344004282.

- sign 145.793+/-0.000 χ^2/NDF: 7039177289.9/42

yield_bcm_target_rms vs Slug



Right In: 0.325+/-0.000 χ^2/NDF: 1422784.2/16

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

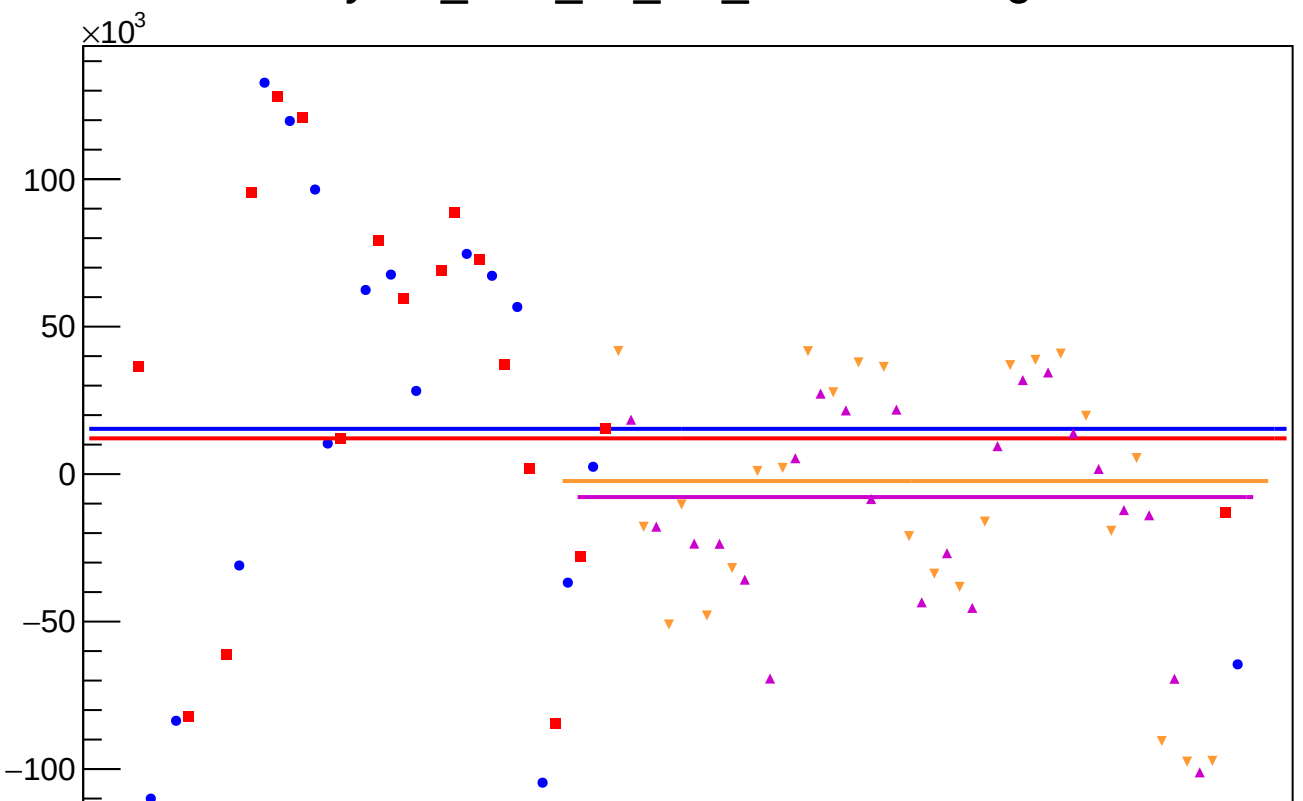
Right Out: 0.332+/-0.000 χ^2/NDF: 1334855.2/19

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.388+/-0.000 χ^2/NDF: 4432048.9/41

All: 0.391+/-0.000 χ^2/NDF: 8298773.3/84

- sign 0.394+/-0.000 χ^2/NDF: 3862088.5/42



Right In: 15346.751+/-1.977 χ^2/NDF: 1446074813.7/16

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: 12115.555+/-1.868 χ^2/NDF: 1868083027.0/19

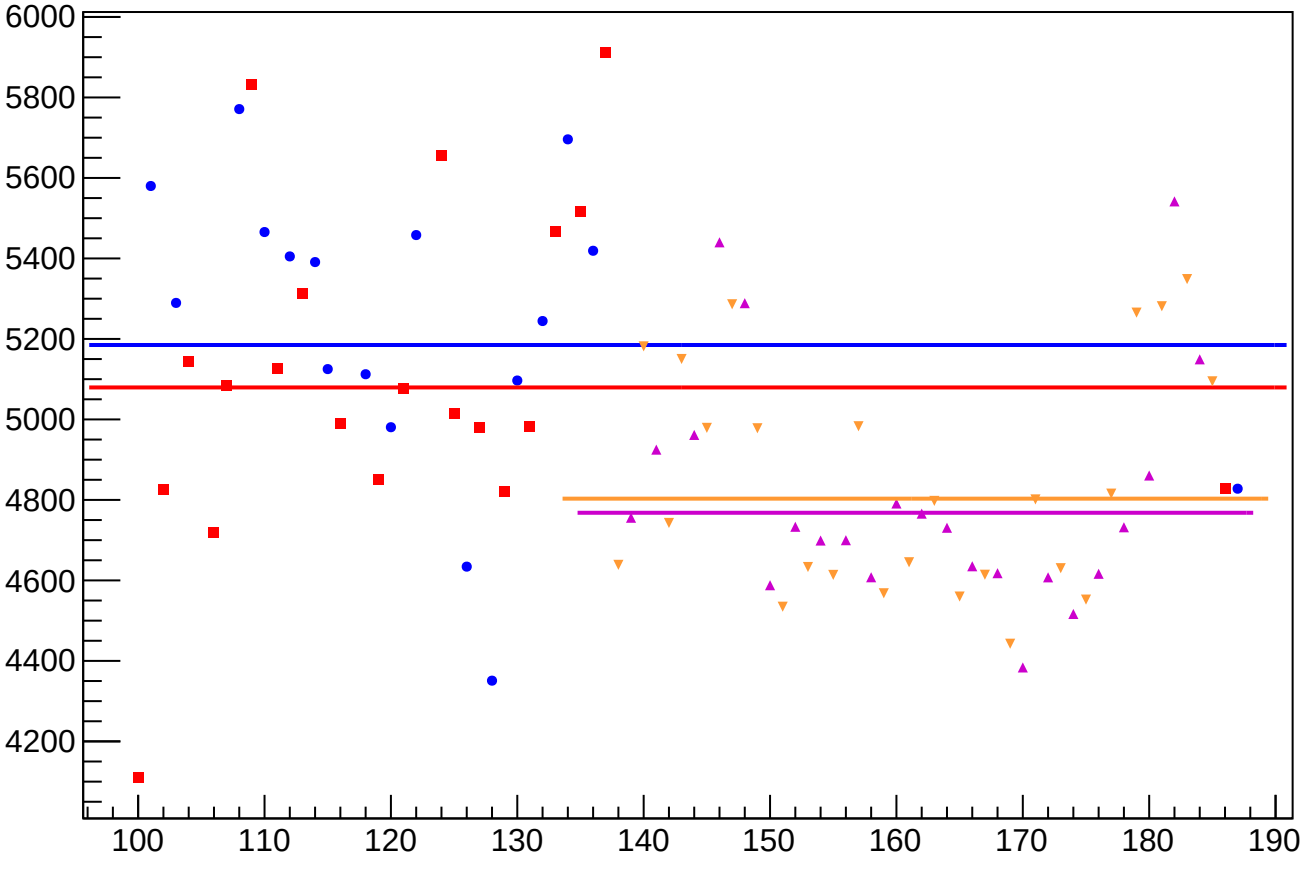
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign 1972.339+/-0.977 χ^2/NDF: 2736639338.6/41

All: -192.860+/-0.690 χ^2/NDF: 5459588459.1

- sign -2354.822+/-0.976 χ^2/NDF: 2713126382.1/42

yield_bcm_an_diff_rms vs Slug



Right In: 5184.938+/-1.398 χ^2/NDF: 79059.0/16

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

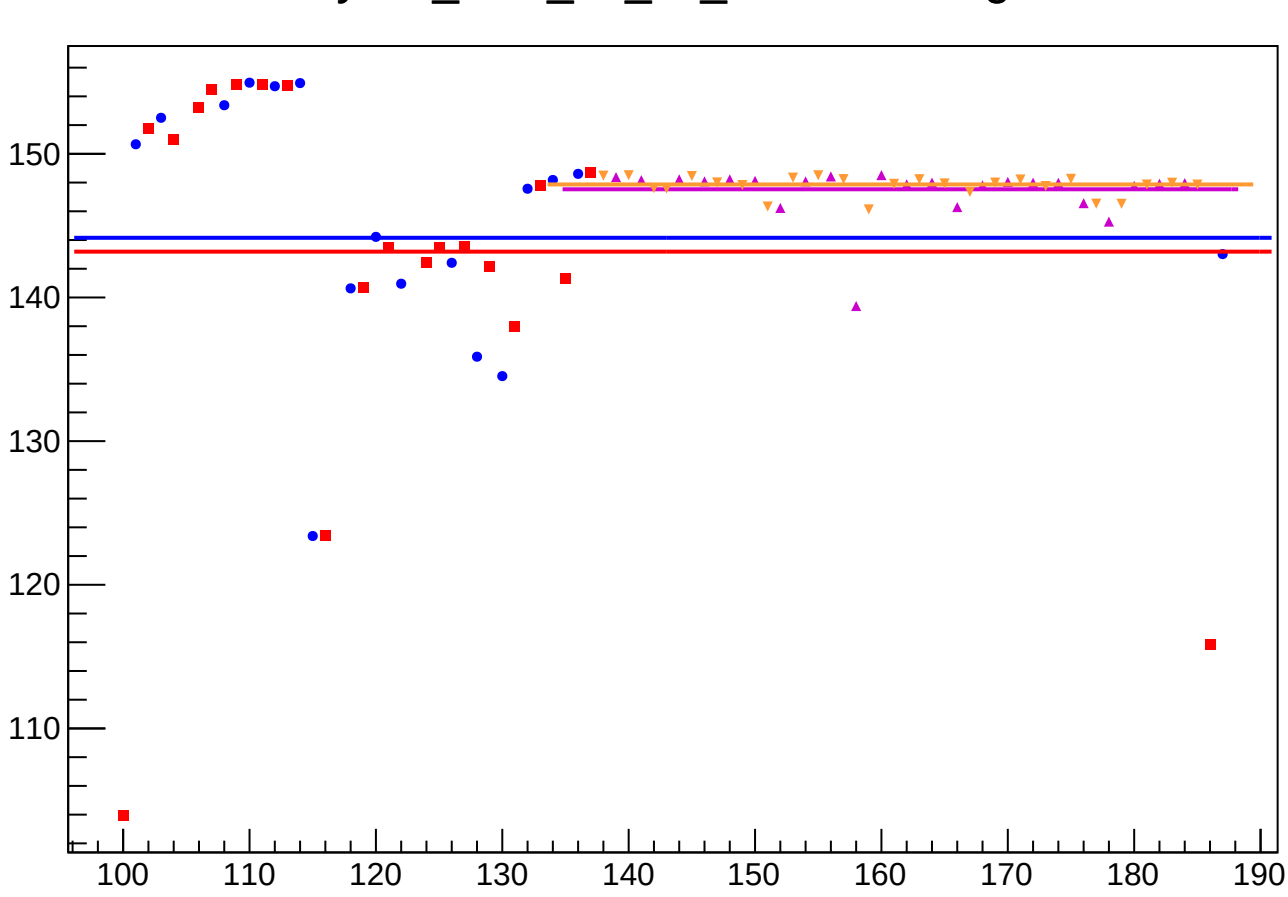
Right Out: 5079.467+/-1.321 χ^2/NDF: 61357.1/19

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

\+ sign 4896.305+/-0.691 χ^2/NDF: 250127.3/41

All: 4874.667+/-0.488 χ^2/NDF: 456217.3/84

\- sign 4853.061+/-0.690 χ^2/NDF: 204127.9/42



Right In: 144.155+/-0.000 χ^2/NDF: 3765934176.8/16

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 143.191+/-0.000 χ^2/NDF: 6072148275.2/19

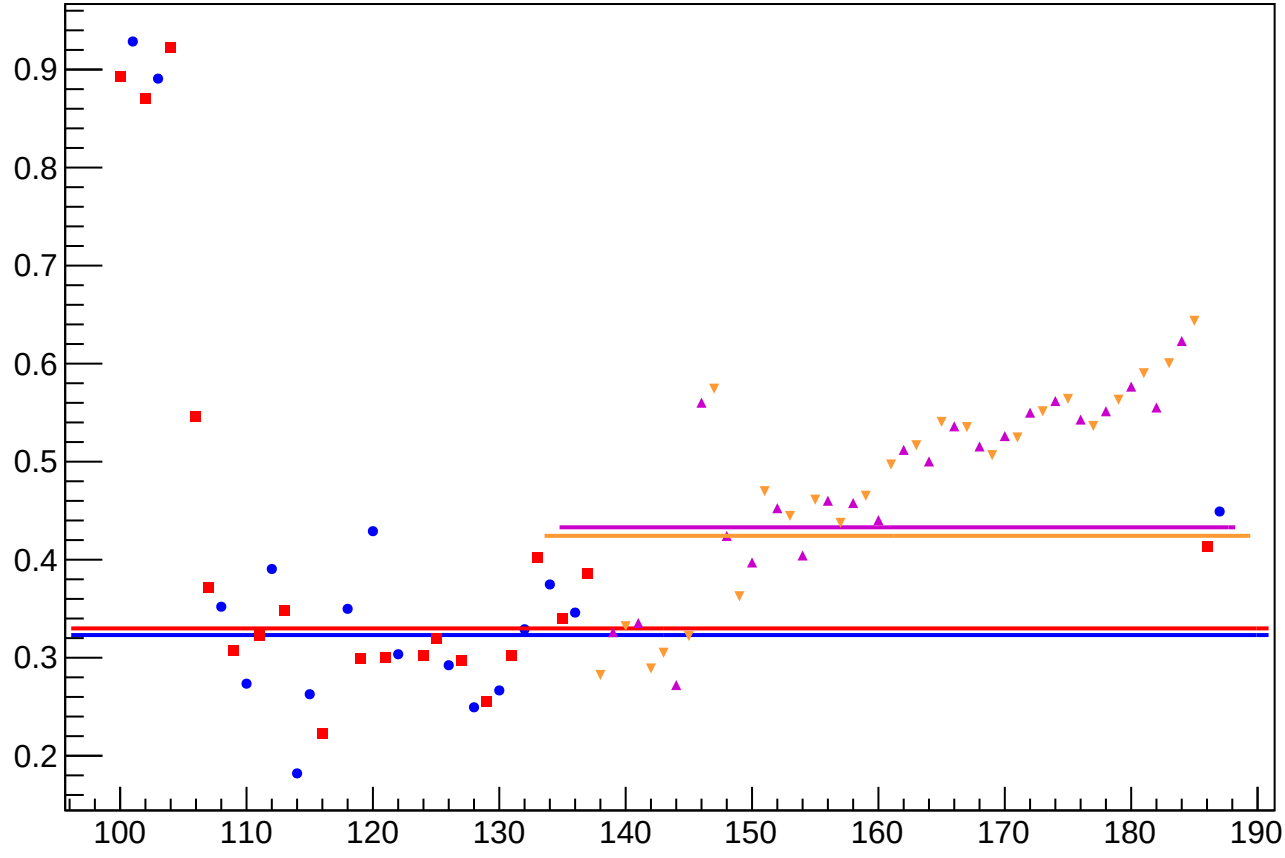
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.481+/-0.000 χ^2/NDF: 4315719978.4/41

All: 146.151+/-0.000 χ^2/NDF: 11404117507.

- sign 145.805+/-0.000 χ^2/NDF: 7053450245.9/42

yield_bcm_an_ds_rms vs Slug



Right In: 0.323+/-0.000 χ^2/NDF: 1423325.5/16

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

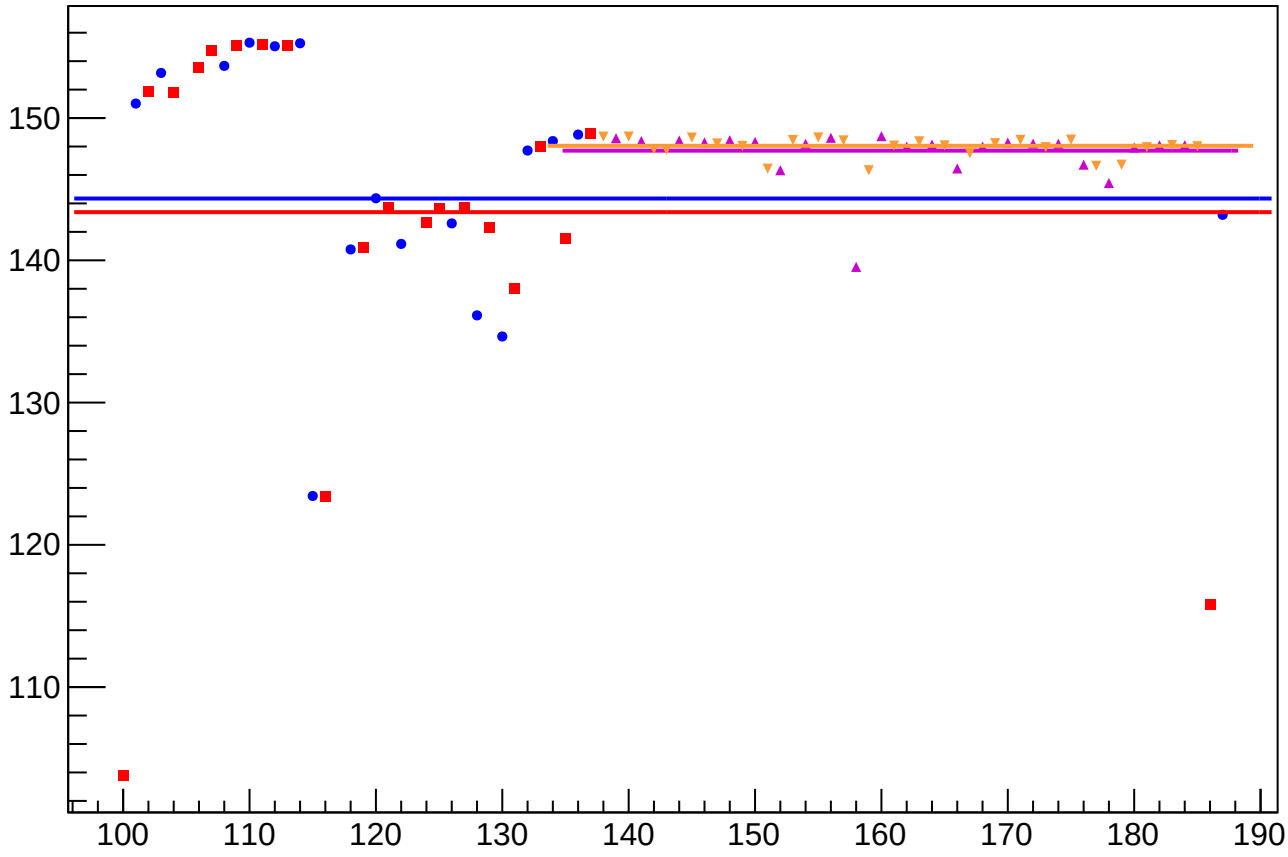
Right Out: 0.330+/-0.000 χ^2/NDF: 1336104.3/19

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.387+/-0.000 χ^2/NDF: 4434589.9/41

All: 0.389+/-0.000 χ^2/NDF: 8307735.8/84

- sign 0.392+/-0.000 χ^2/NDF: 3868522.8/42



Right In: 144.344+/-0.000 χ^2/NDF: 3759729697.1/16

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 143.386+/-0.000 χ^2/NDF: 6041134274.7/19

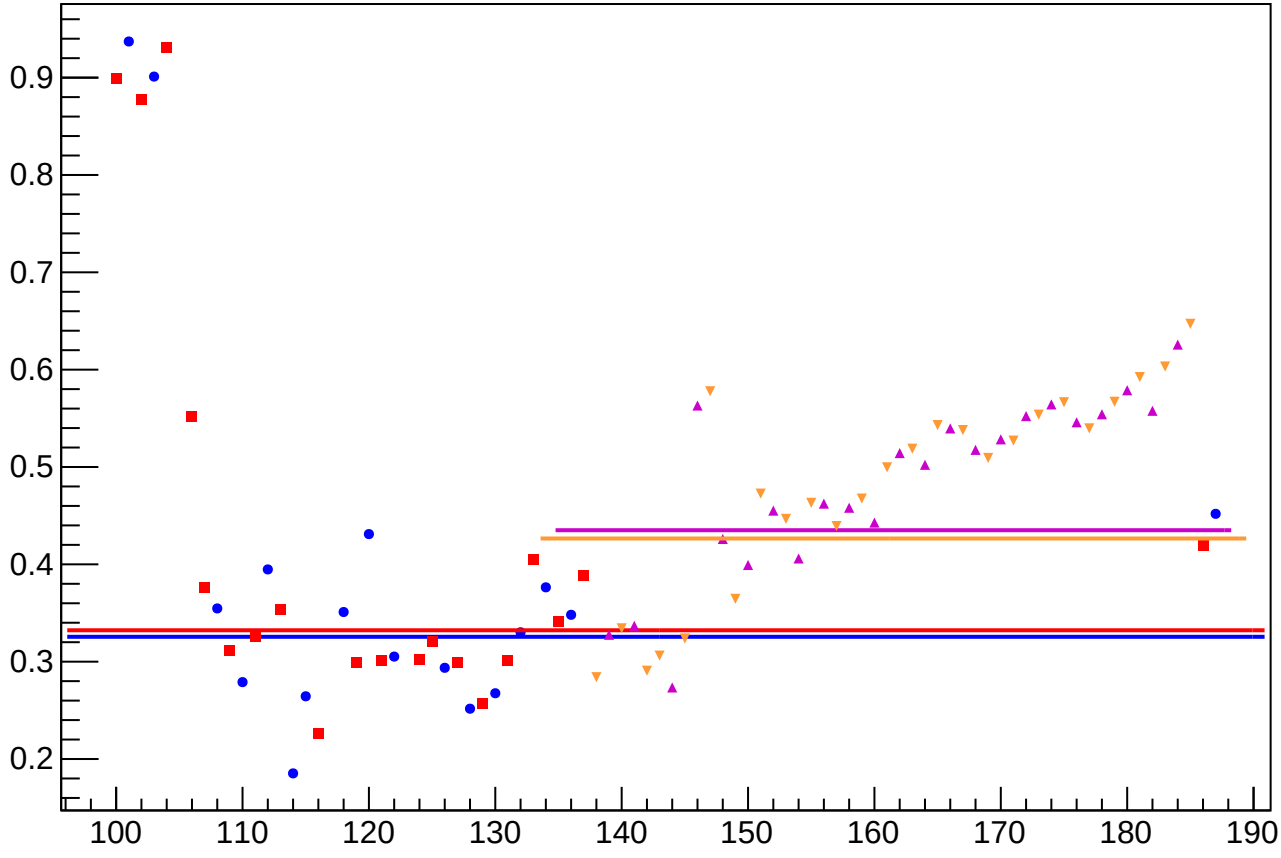
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.668+/-0.000 χ^2/NDF: 4300991422.7/41

All: 146.339+/-0.000 χ^2/NDF: 11349171472.

- sign 145.995+/-0.000 χ^2/NDF: 7013990692.1/42

yield_bcm_an_ds3_rms vs Slug



Right In: 0.326+/-0.000 χ^2/NDF: 1419256.9/16

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

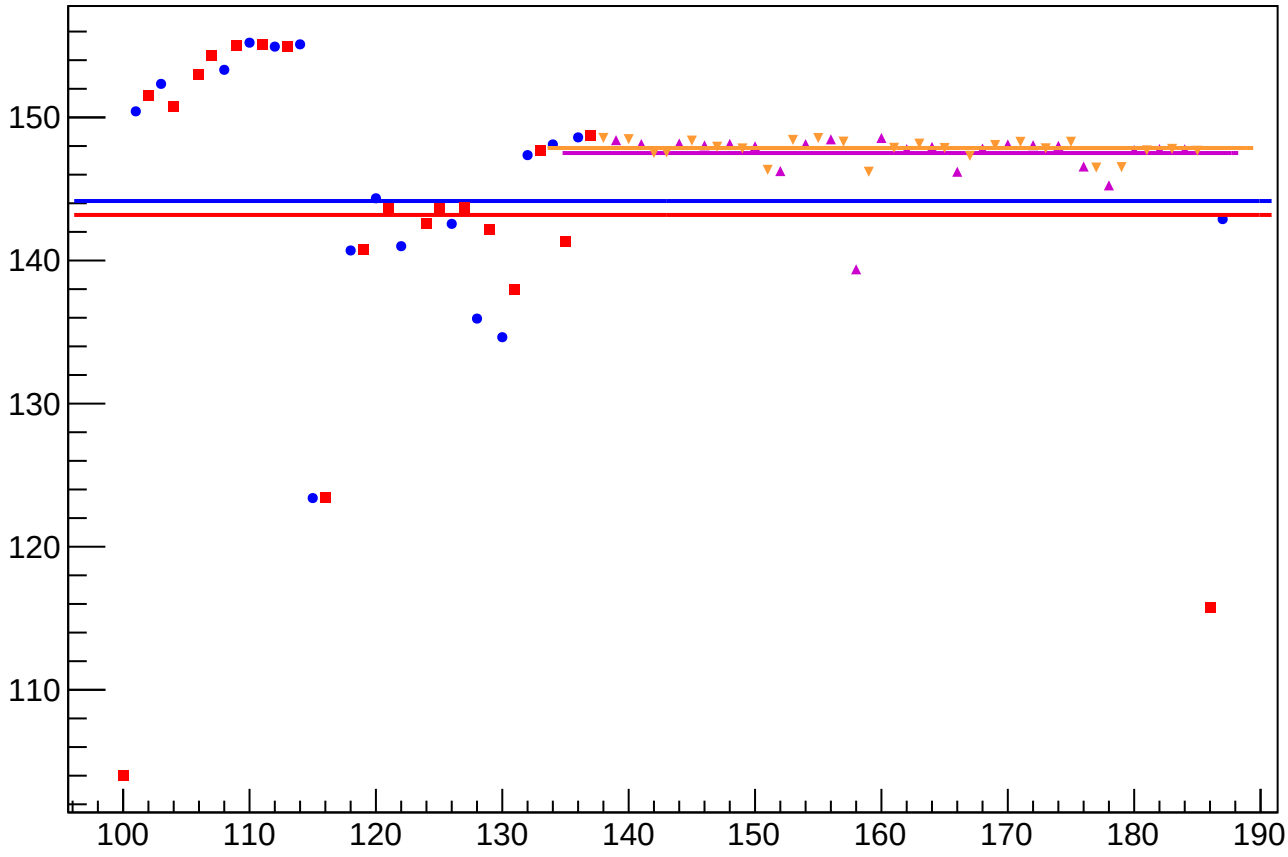
Right Out: 0.332+/-0.000 χ^2/NDF: 1338277.0/19

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.389+/-0.000 χ^2/NDF: 4414200.5/41

All: 0.392+/-0.000 χ^2/NDF: 8273639.5/84

- sign 0.394+/-0.000 χ^2/NDF: 3855069.0/42



Right In: 144.158+/-0.000 χ^2/NDF: 3726102788.8/16

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

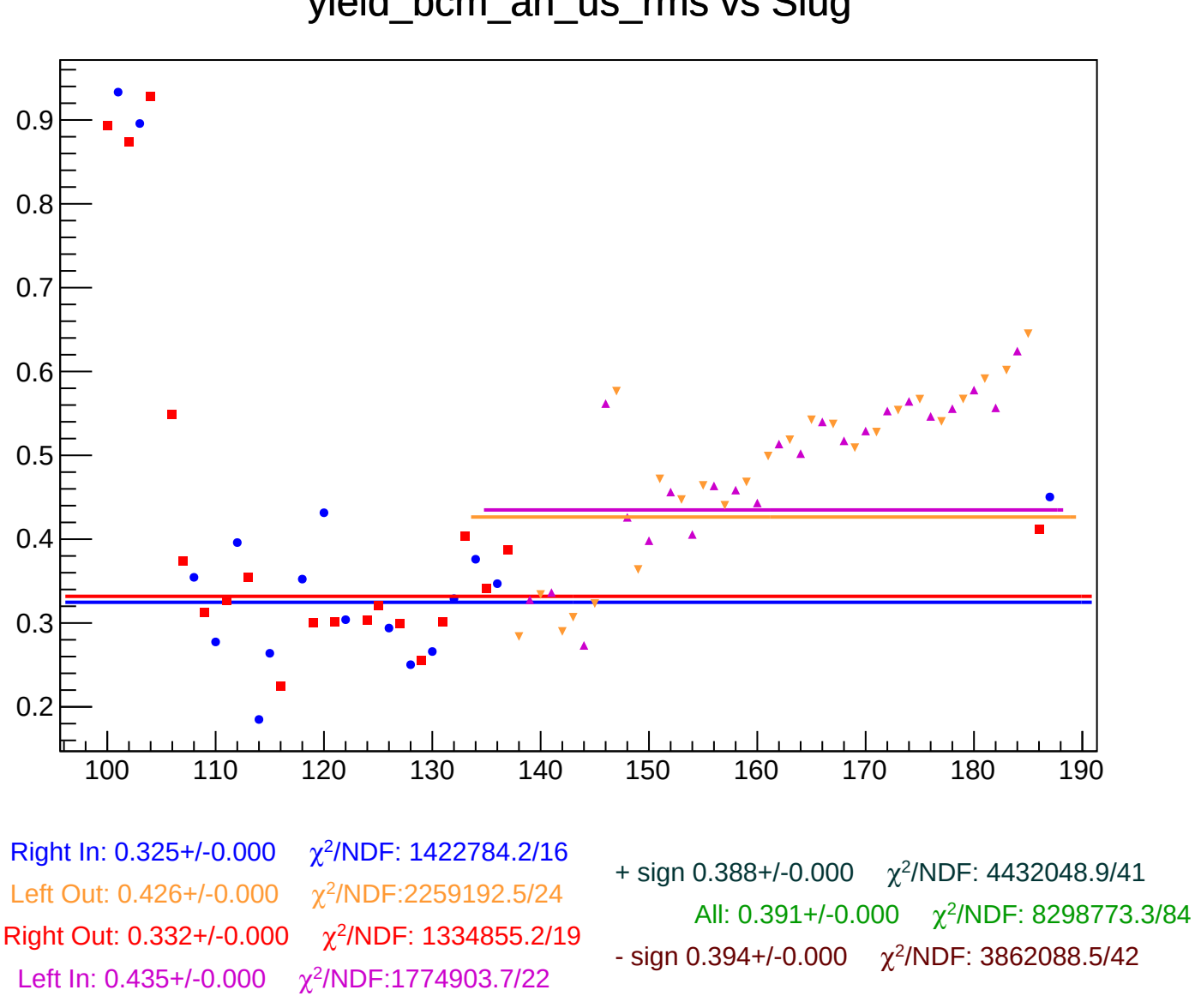
Right Out: 143.185+/-0.000 χ^2/NDF: 6069615691.8/19

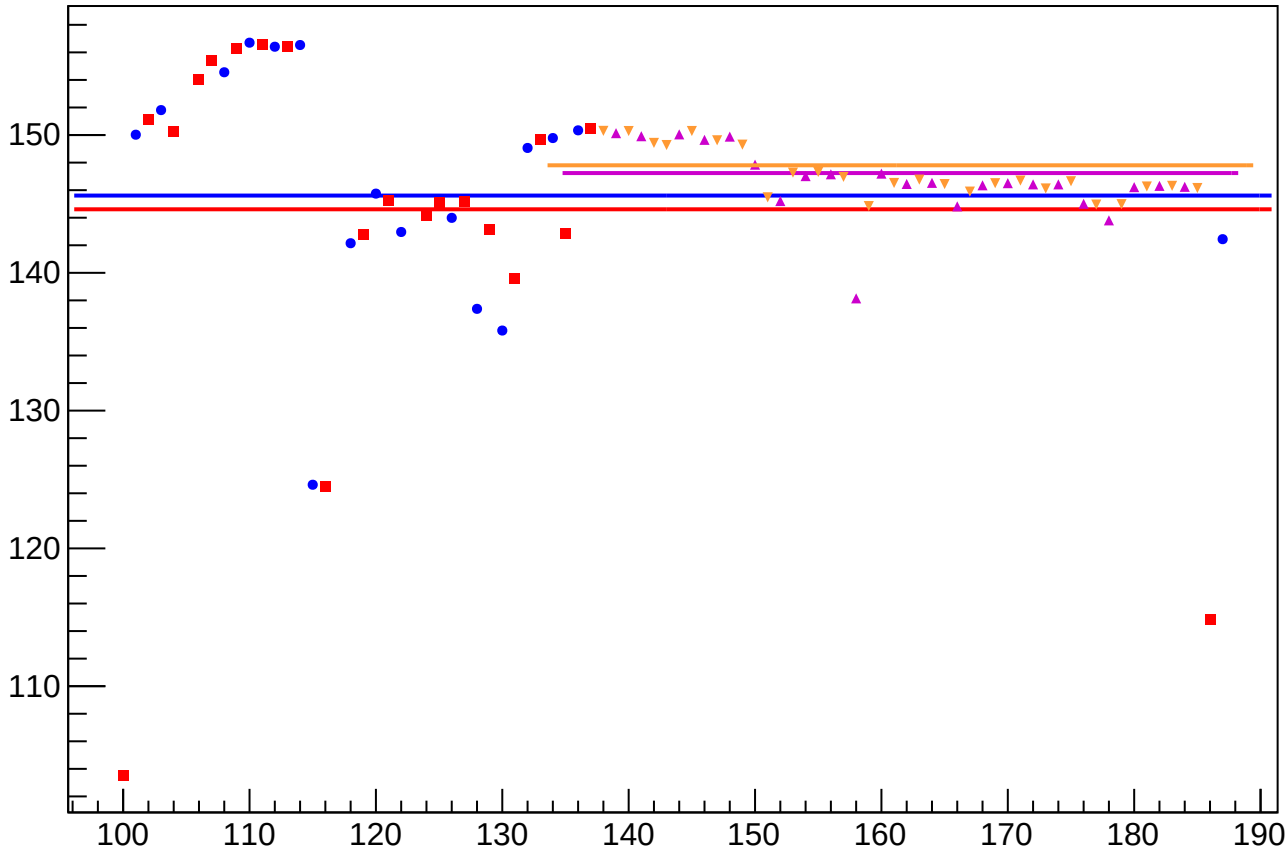
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.479+/-0.000 χ^2/NDF: 4269187482.9/41

All: 146.144+/-0.000 χ^2/NDF: 11344004282.

- sign 145.793+/-0.000 χ^2/NDF: 7039177289.9/42


yield_bcm_an_us_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.325+/-0.000 χ²/NDF: 1422784.2/16
Left Out: 0.426+/-0.000 χ²/NDF:2259192.5/24
Right Out: 0.332+/-0.000 χ²/NDF: 1334855.2/19
Left In: 0.435+/-0.000 χ²/NDF:1774903.7/22
+ sign 0.388+/-0.000 χ²/NDF: 4432048.9/41
All: 0.391+/-0.000 χ²/NDF: 8298773.3/84
- sign 0.394+/-0.000 χ²/NDF: 3862088.5/42



Right In: 145.608+/-0.000 χ^2/NDF: 3489735029.8/16

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 144.611+/-0.000 χ^2/NDF: 5975995272.8/19

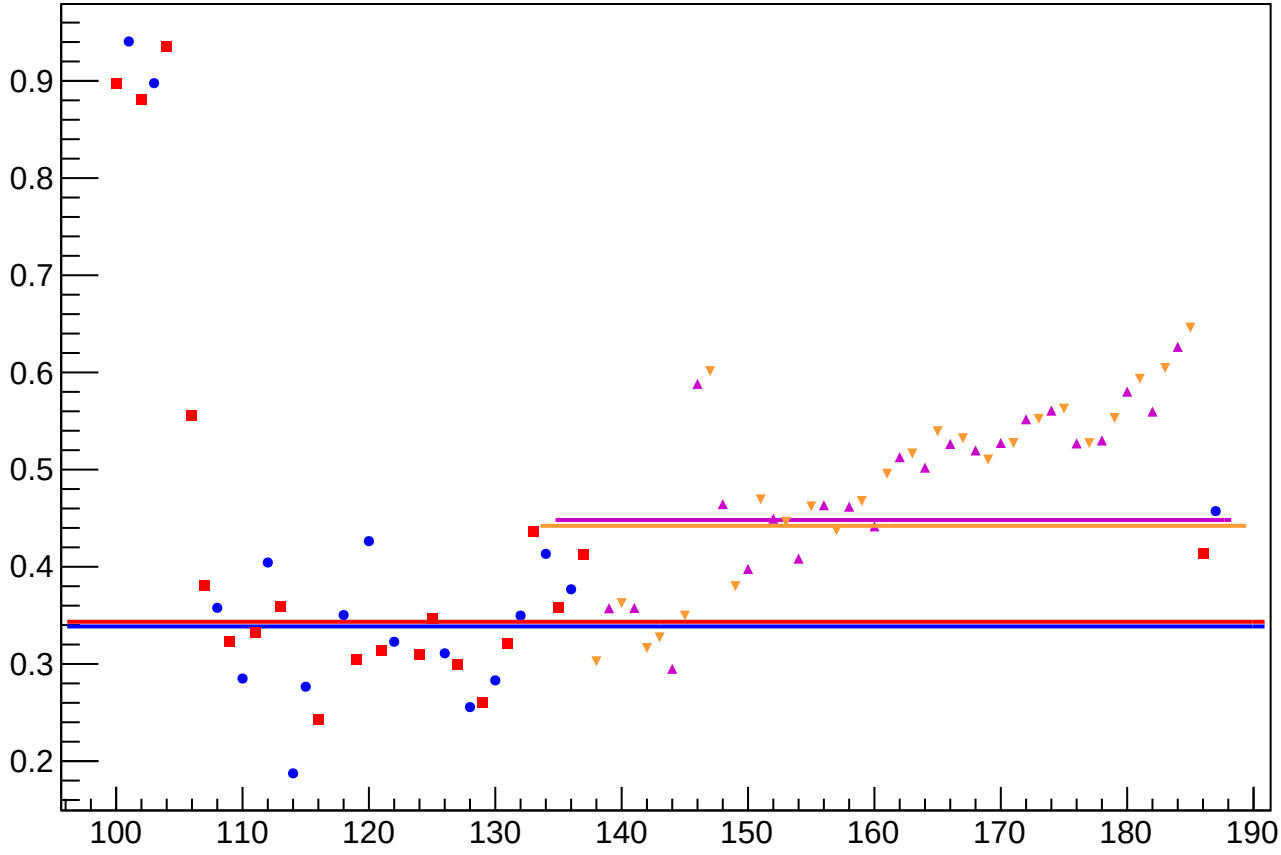
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.996+/-0.000 χ^2/NDF: 3979154676.3/41

All: 146.609+/-0.000 χ^2/NDF: 10848389648.

- sign 146.210+/-0.000 χ^2/NDF: 6825251093.7/42

yield_bcm_dg_us_rms vs Slug



Right In: 0.339+/-0.000 χ^2/NDF: 1393698.9/16

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

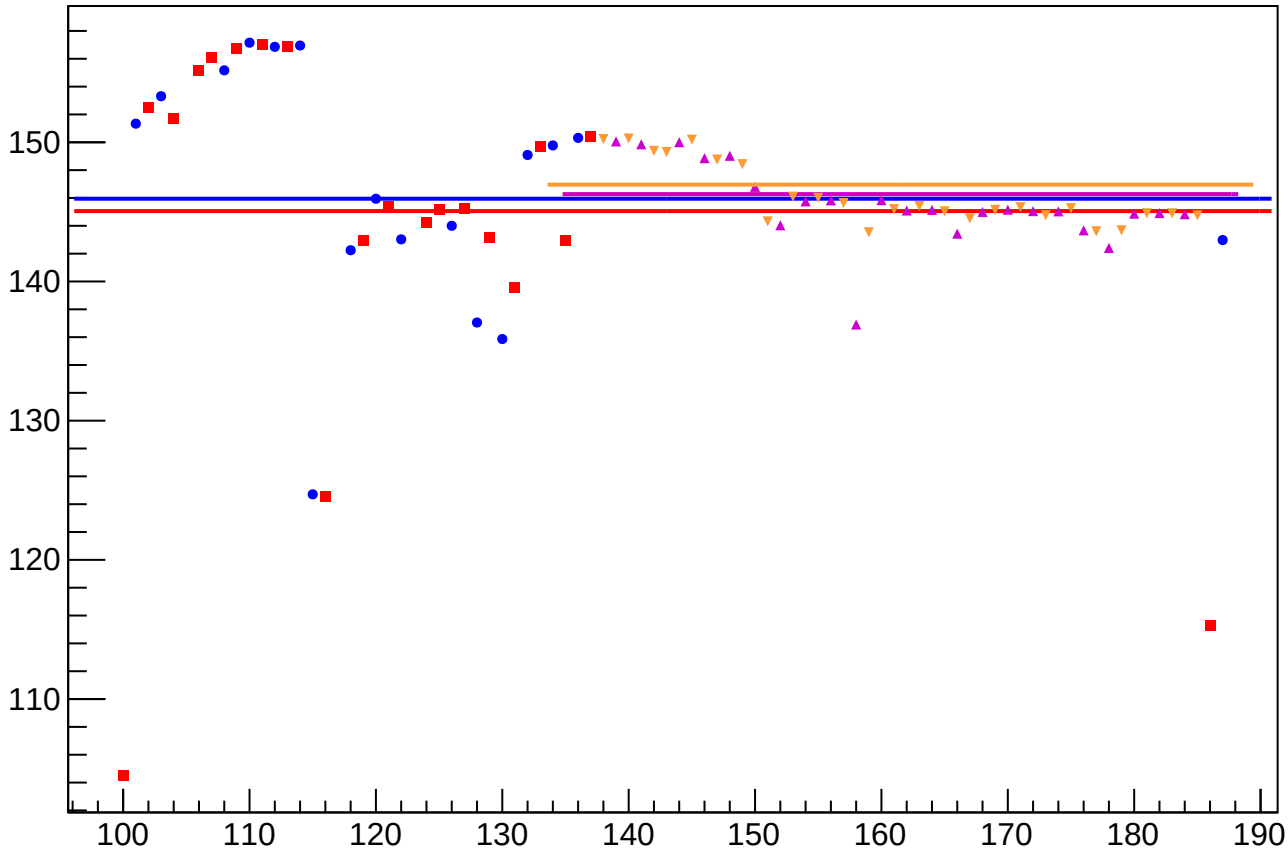
Right Out: 0.343+/-0.000 χ^2/NDF: 1298056.2/19

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.404+/-0.000 χ^2/NDF: 3820236.2/41

All: 0.406+/-0.000 χ^2/NDF: 7198732.9/84

- sign 0.407+/-0.000 χ^2/NDF: 3377193.2/42



Right In: 145.948+/-0.000 χ^2/NDF: 3628615484.9/16

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

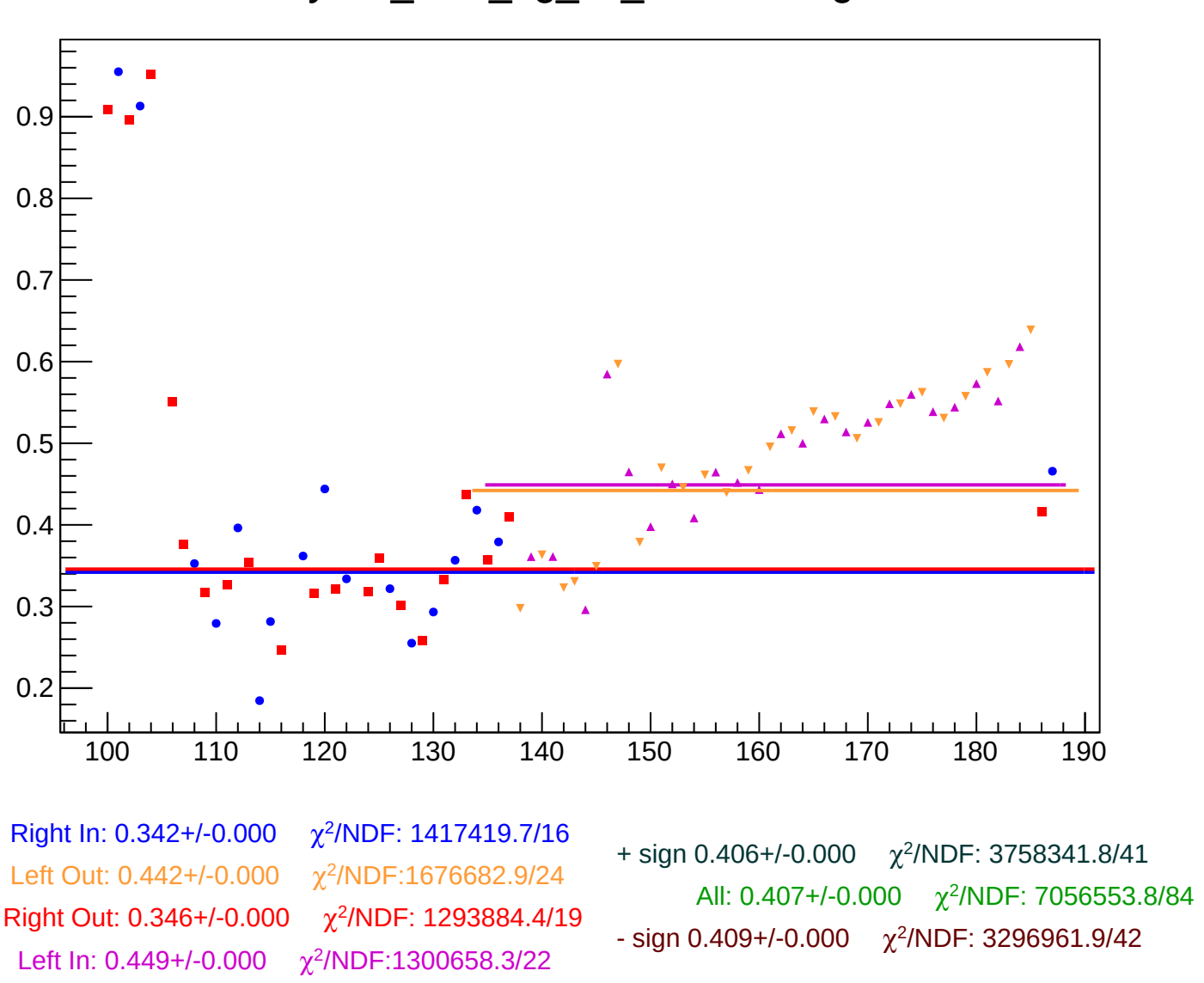
Right Out: 145.059+/-0.000 χ^2/NDF: 6054018658.5/19

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

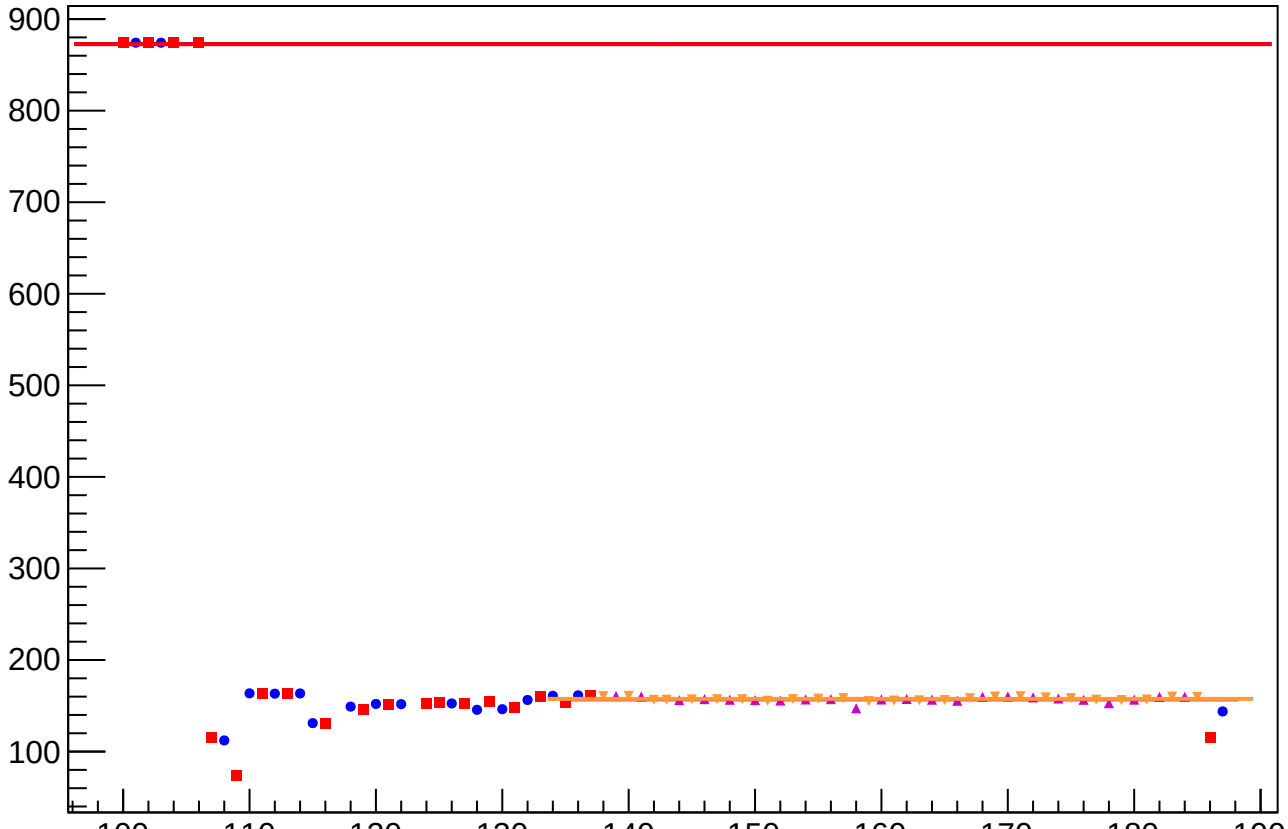
+ sign 146.590+/-0.000 χ^2/NDF: 4205125863.6/41

All: 146.203+/-0.000 χ^2/NDF: 11177013989.

- sign 145.803+/-0.000 χ^2/NDF: 6928214455.4/42


yield_bcm_dg_ds_rms vs Slug
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.342+/-0.000 χ²/NDF: 1417419.7/16
Left Out: 0.442+/-0.000 χ²/NDF:1676682.9/24
Right Out: 0.346+/-0.000 χ²/NDF: 1293884.4/19
Left In: 0.449+/-0.000 χ²/NDF:1300658.3/22
+ sign 0.406+/-0.000 χ²/NDF: 3758341.8/41
All: 0.407+/-0.000 χ²/NDF: 7056553.8/84
- sign 0.409+/-0.000 χ²/NDF: 3296961.9/42

yield_cav4bQ_mean vs Slug



Right In: 872.802+/-0.000 χ^2/NDF: 7293515129965.8/16

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.622+/-0.000 χ^2/NDF: 9501357559161.5/19

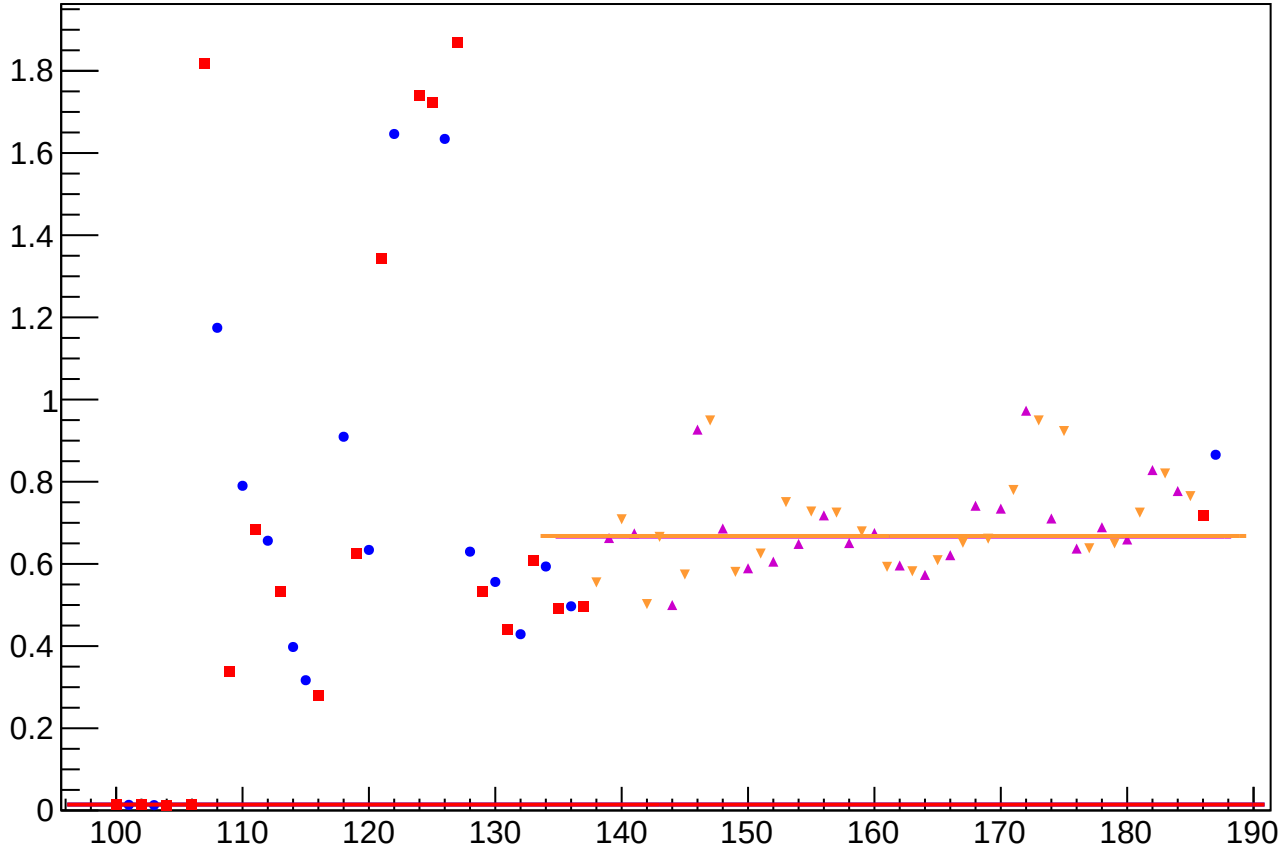
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 869.417+/-0.000 χ^2/NDF: 24543691235518.

All: 869.626+/-0.000 χ^2/NDF: 505770156327

- sign 869.808+/-0.000 χ^2/NDF: 26032738845234.1

yield_cav4bQ_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9900416.9/16

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF: 9984568.9/19

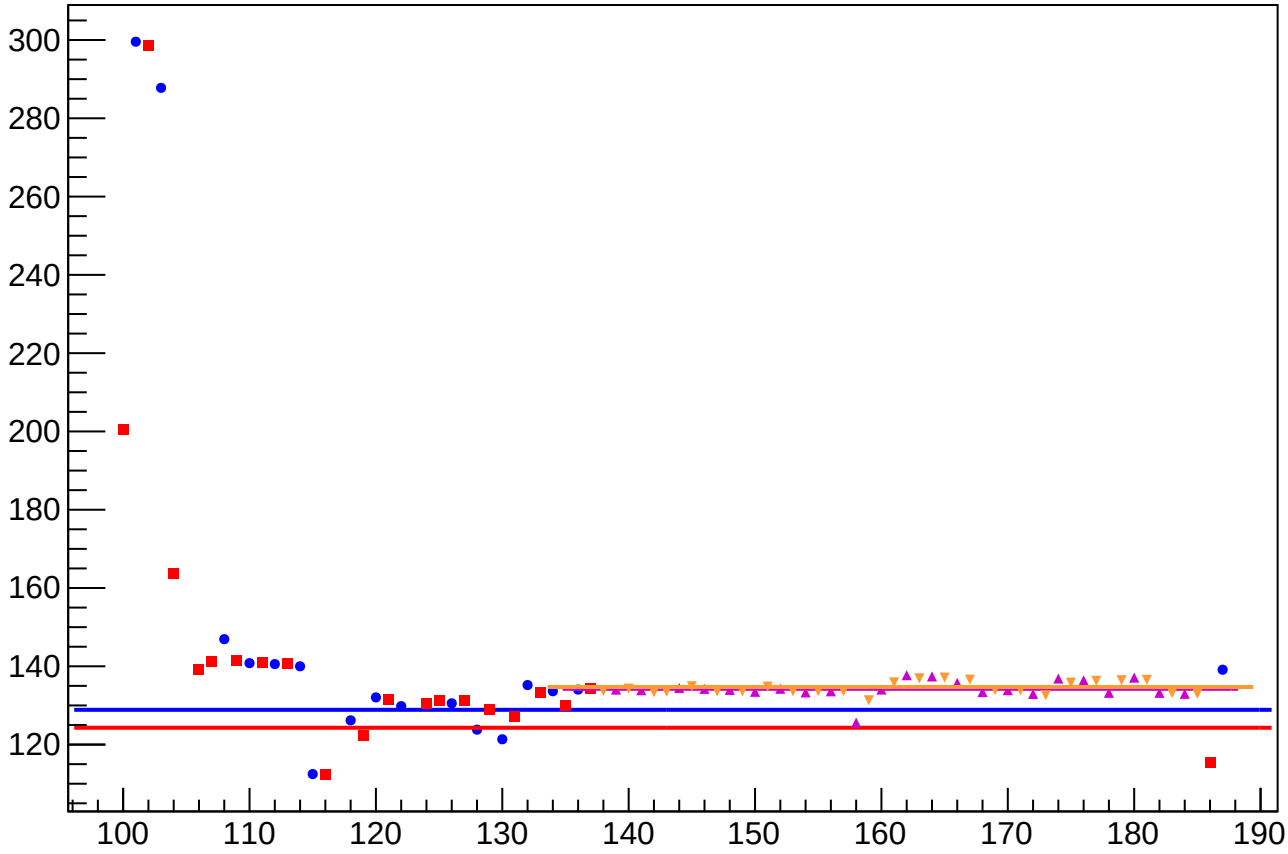
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.017+/-0.000 χ^2/NDF: 39389699.7/41

All: 0.017+/-0.000 χ^2/NDF: 77373901.1/84

- sign 0.017+/-0.000 χ^2/NDF: 37981035.0/42

yield_cav4cQ_mean vs Slug



Right In: 128.883+/-0.000 χ^2/NDF: 1681580189.4/16

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 124.299+/-0.000 χ^2/NDF: 1483259463.1/19

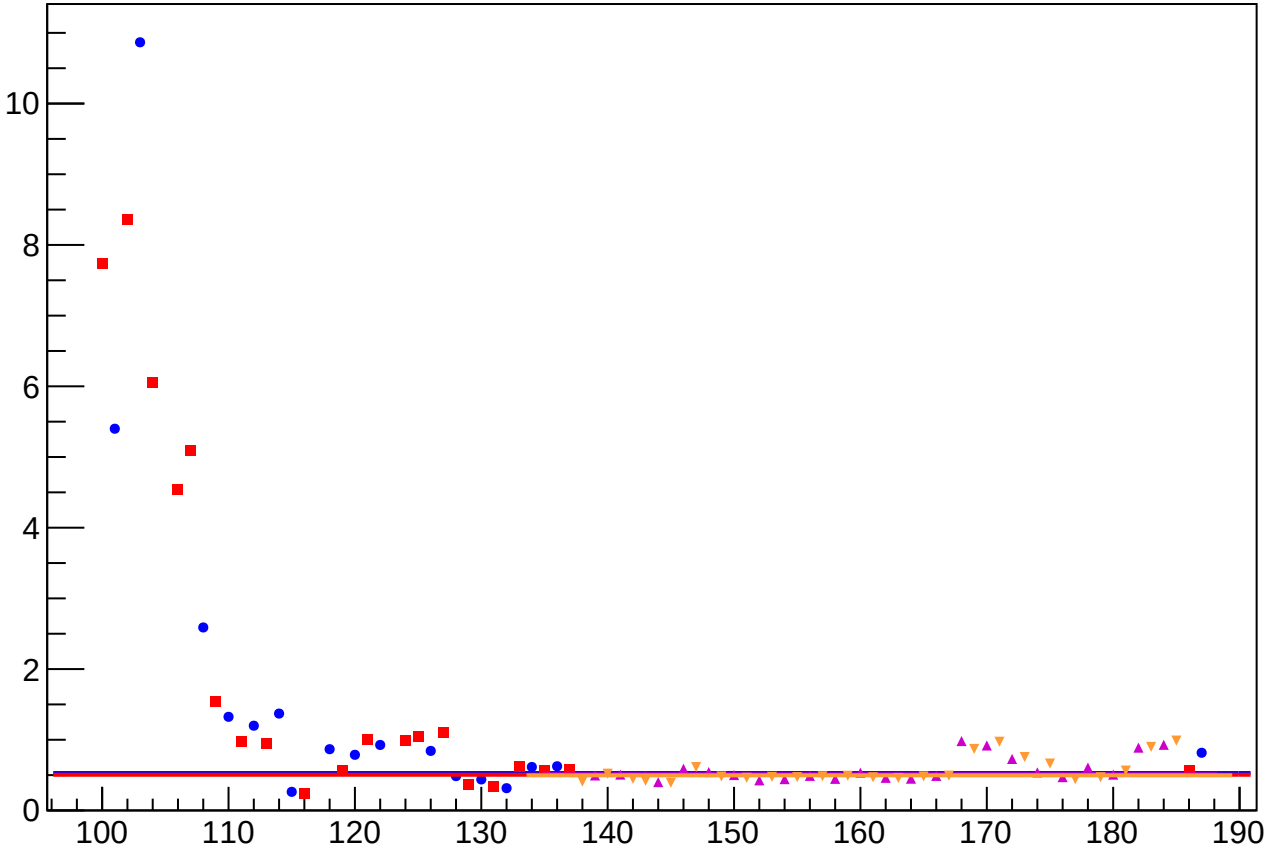
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 133.729+/-0.000 χ^2/NDF: 2225826448.3/41

All: 133.022+/-0.000 χ^2/NDF: 5425703326.0

- sign 132.268+/-0.000 χ^2/NDF: 3116763450.1/42

yield_cav4cQ_rms vs Slug



Right In: 0.529+/-0.000 χ^2/NDF: 4178233.5/16

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.505+/-0.000 χ^2/NDF: 4892547.5/19

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.502+/-0.000 χ^2/NDF: 5774246.6/41

All: 0.505+/-0.000 χ^2/NDF: 12155897.7/84

- sign 0.509+/-0.000 χ^2/NDF: 6378544.1/42

yield_cav4dQ_mean vs Slug

Right In: 1837.762+/-0.000 χ^2/NDF: 147871291328152.1/16

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1861.103+/-0.000 χ^2/NDF: 148442334329030.3/19

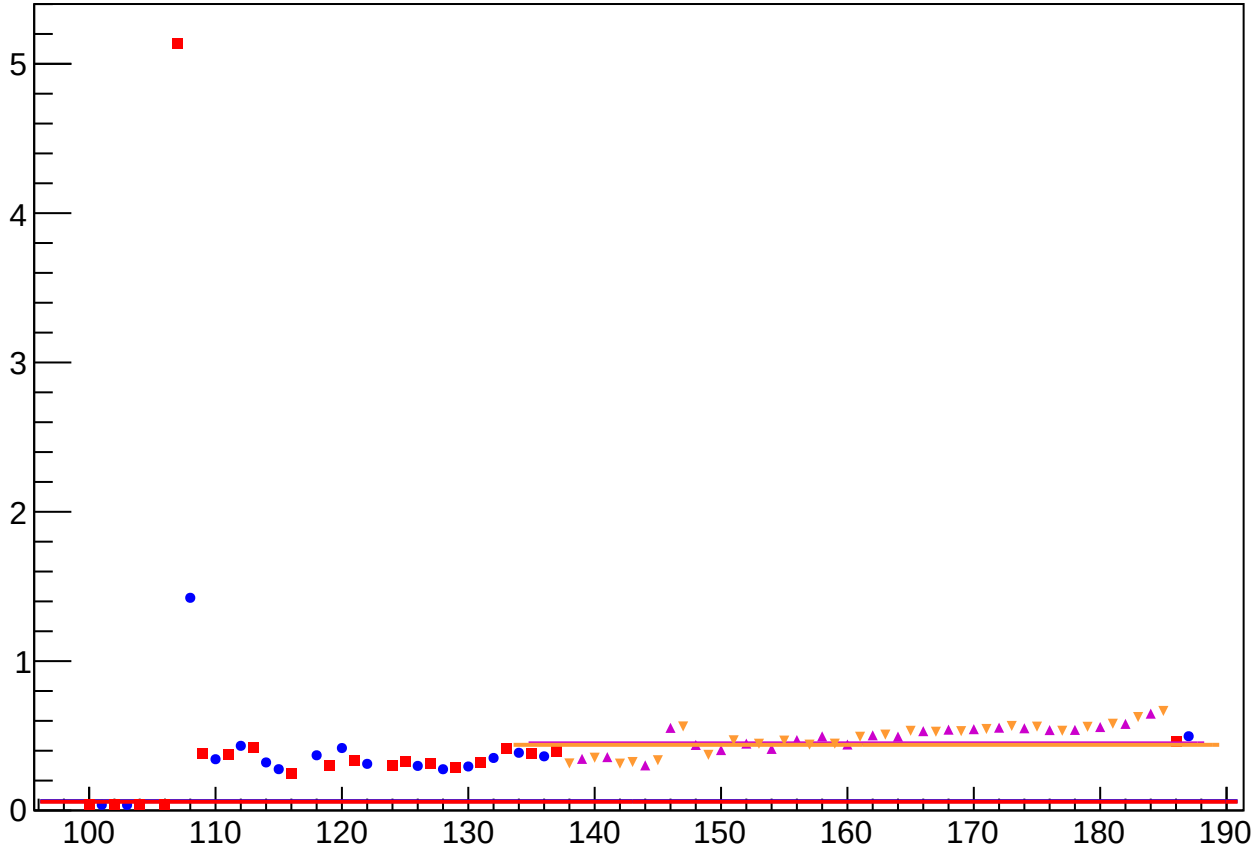
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1599.976+/-0.000 χ^2/NDF: 37871721102942

All: 1635.434+/-0.000 χ^2/NDF: 7524981474

- sign 1666.707+/-0.000 χ^2/NDF: 37221020160372

yield_cav4dQ_rms vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8430755.1/16

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

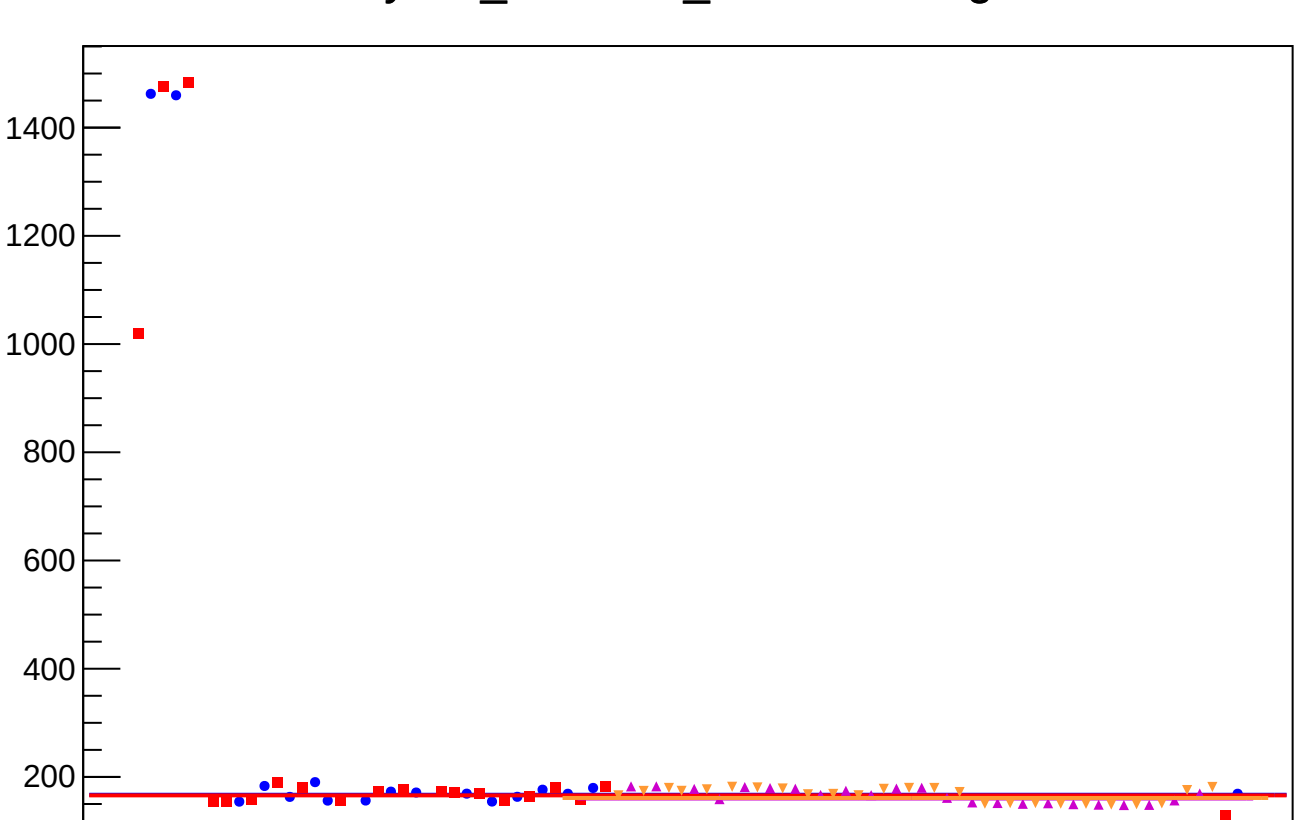
Right Out: 0.058+/-0.000 χ^2/NDF: 8337694.6/19

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.115+/-0.000 χ^2/NDF: 32929322.9/41

All: 0.108+/-0.000 χ^2/NDF: 65729831.9/84

- sign 0.102+/-0.000 χ^2/NDF: 32688989.4/42



Right In: 167.074+/-0.000 χ^2/NDF: 14615560472.6/16

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 165.950+/-0.000 χ^2/NDF: 17057571704.8/19

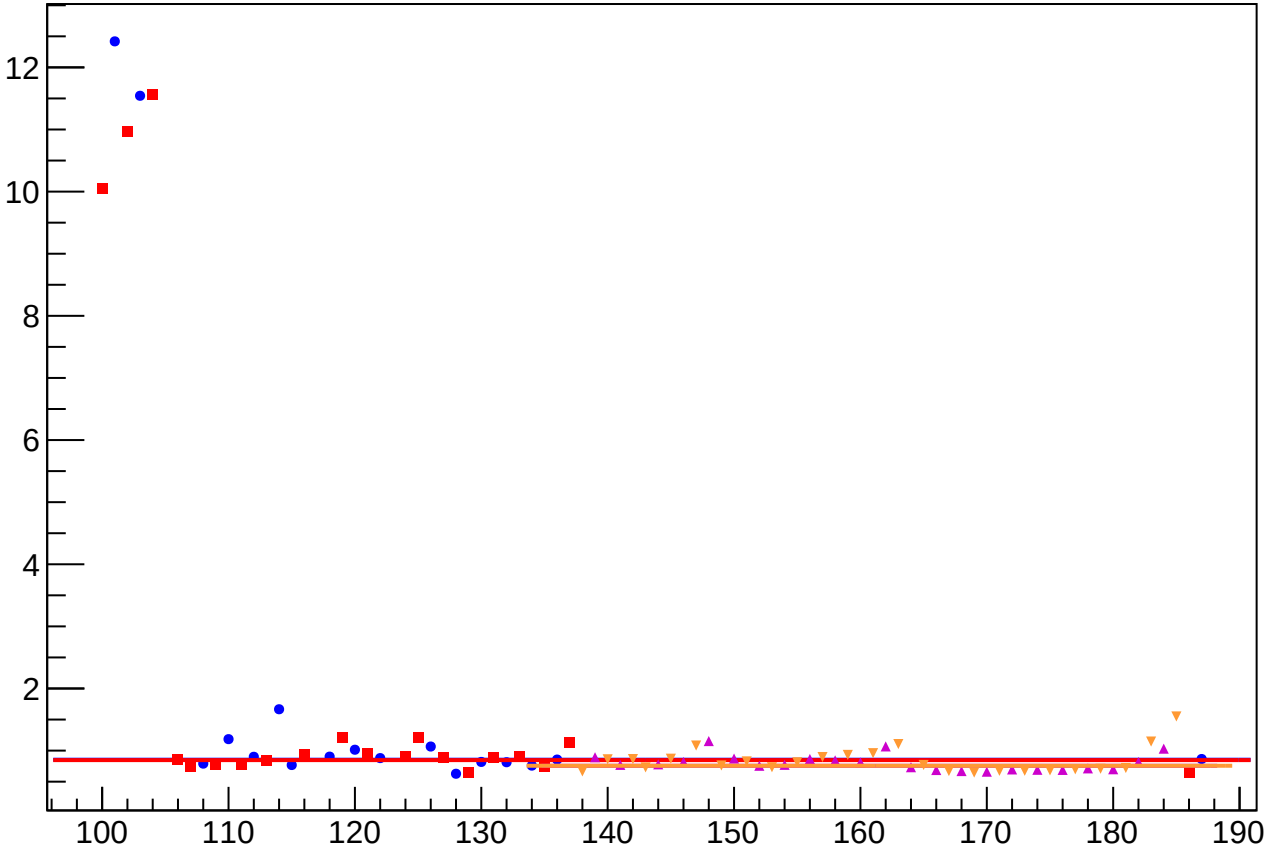
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 162.227+/-0.000 χ^2/NDF: 18511468332.2/41

All: 161.770+/-0.000 χ^2/NDF: 39479928315.

- sign 161.306+/-0.000 χ^2/NDF: 20955852145.1/42

yield_bcm0l02_rms vs Slug



Right In: 0.853+/-0.000 χ^2/NDF: 2302341.7/16

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

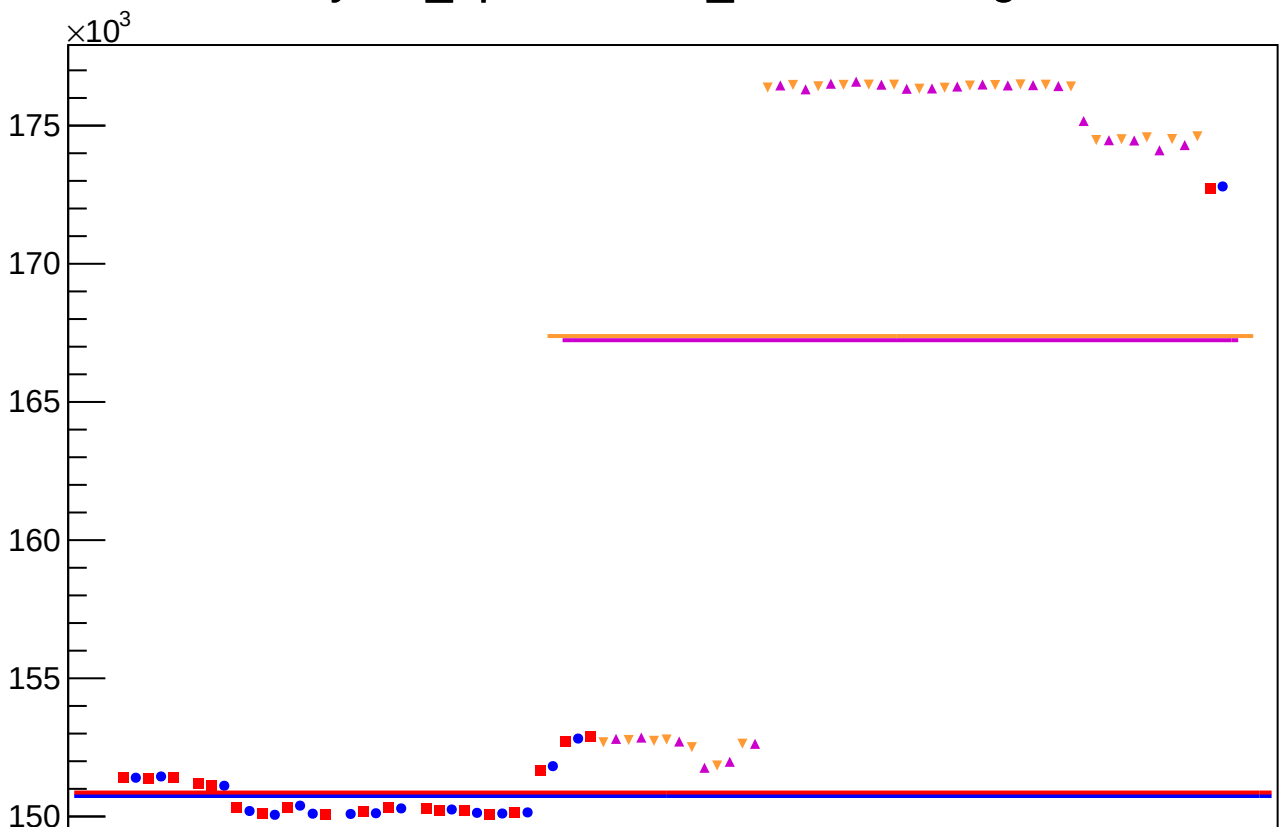
Right Out: 0.847+/-0.000 χ^2/NDF: 2249280.7/19

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.774+/-0.000 χ^2/NDF: 3136643.4/41

All: 0.774+/-0.000 χ^2/NDF: 5938279.2/84

- sign 0.774+/-0.000 χ^2/NDF: 2801635.3/42



Right In: 150741.657+/-0.054 χ^2/NDF: 1526841817.7/16

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 150866.861+/-0.051 χ^2/NDF: 2800684535.7/19

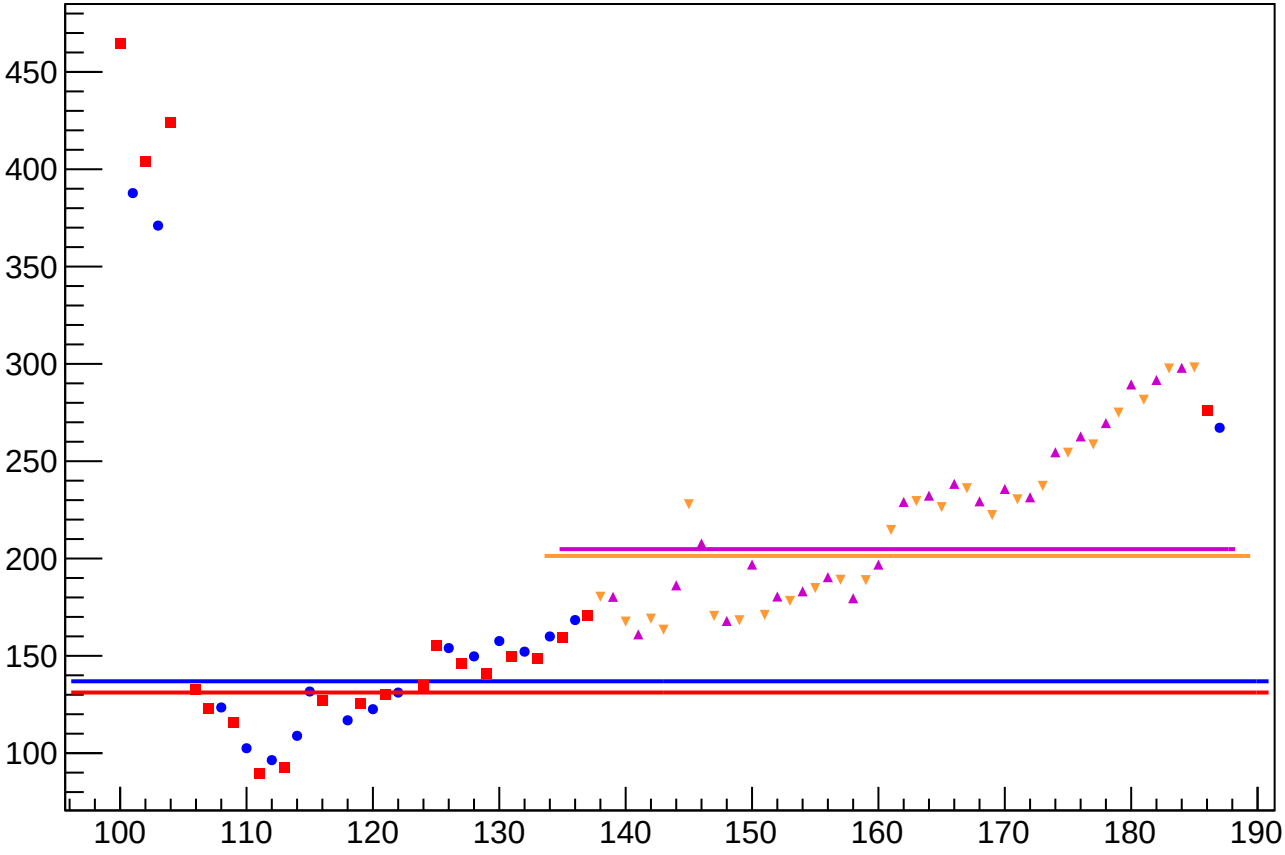
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160317.887+/-0.035 χ^2/NDF: 114992029032

All: 159824.918+/-0.025 χ^2/NDF: 22737669

- sign 159339.866+/-0.035 χ^2/NDF: 112000972598

yield_bpm2i01WS_rms vs Slug



Right In: 136.918+/-0.038 χ^2/NDF: 1506282.4/16

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

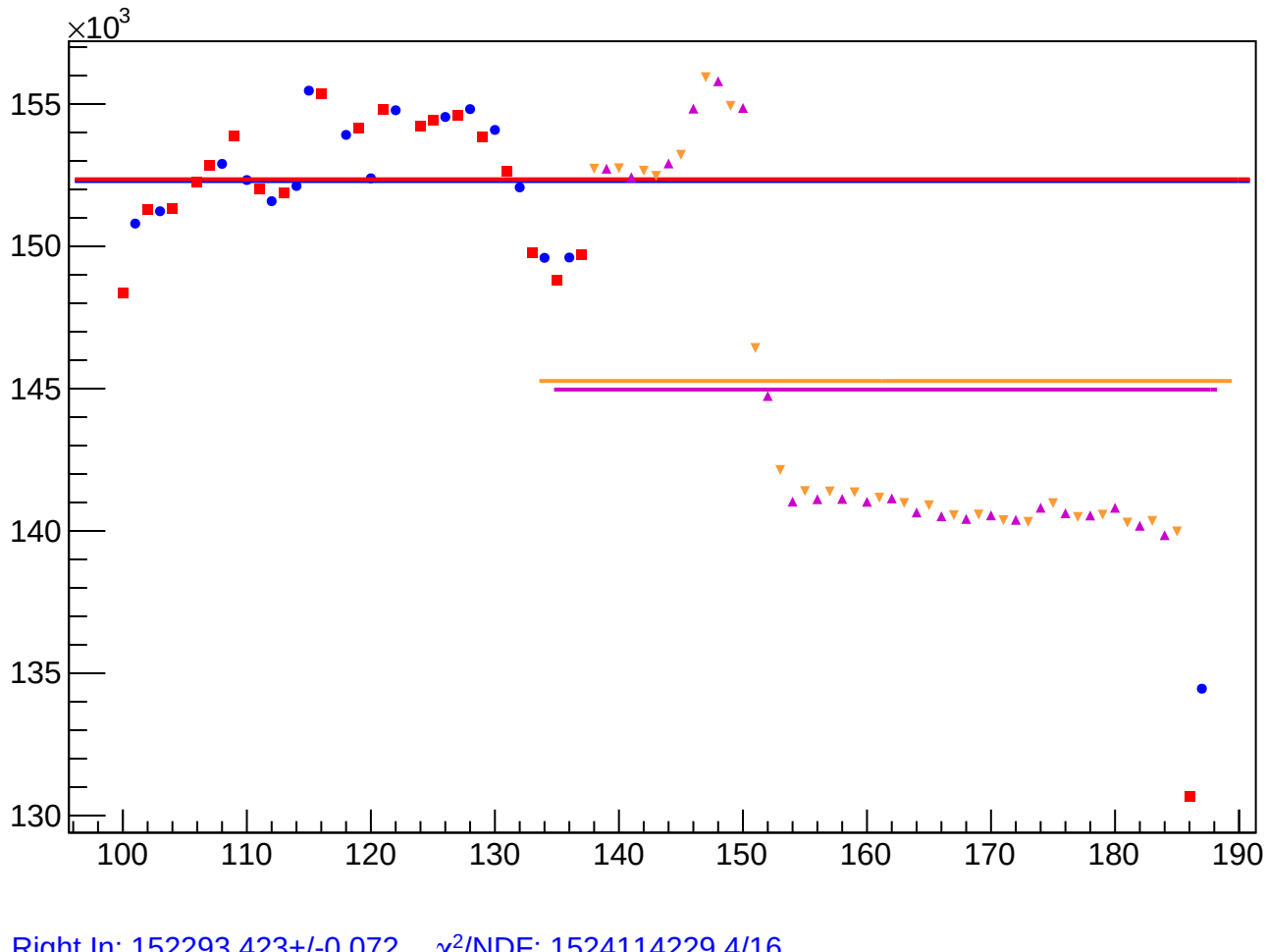
Right Out: 131.156+/-0.036 χ^2/NDF: 1843682.2/19

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 173.977+/-0.025 χ^2/NDF: 4350280.4/41

All: 171.616+/-0.018 χ^2/NDF: 9456765.4/84

- sign 169.293+/-0.025 χ^2/NDF: 5088883.4/42



Right In: 152293.423+/-0.072 χ^2/NDF: 1524114229.4/16

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 152355.845+/-0.066 χ^2/NDF: 3142546480.6/19

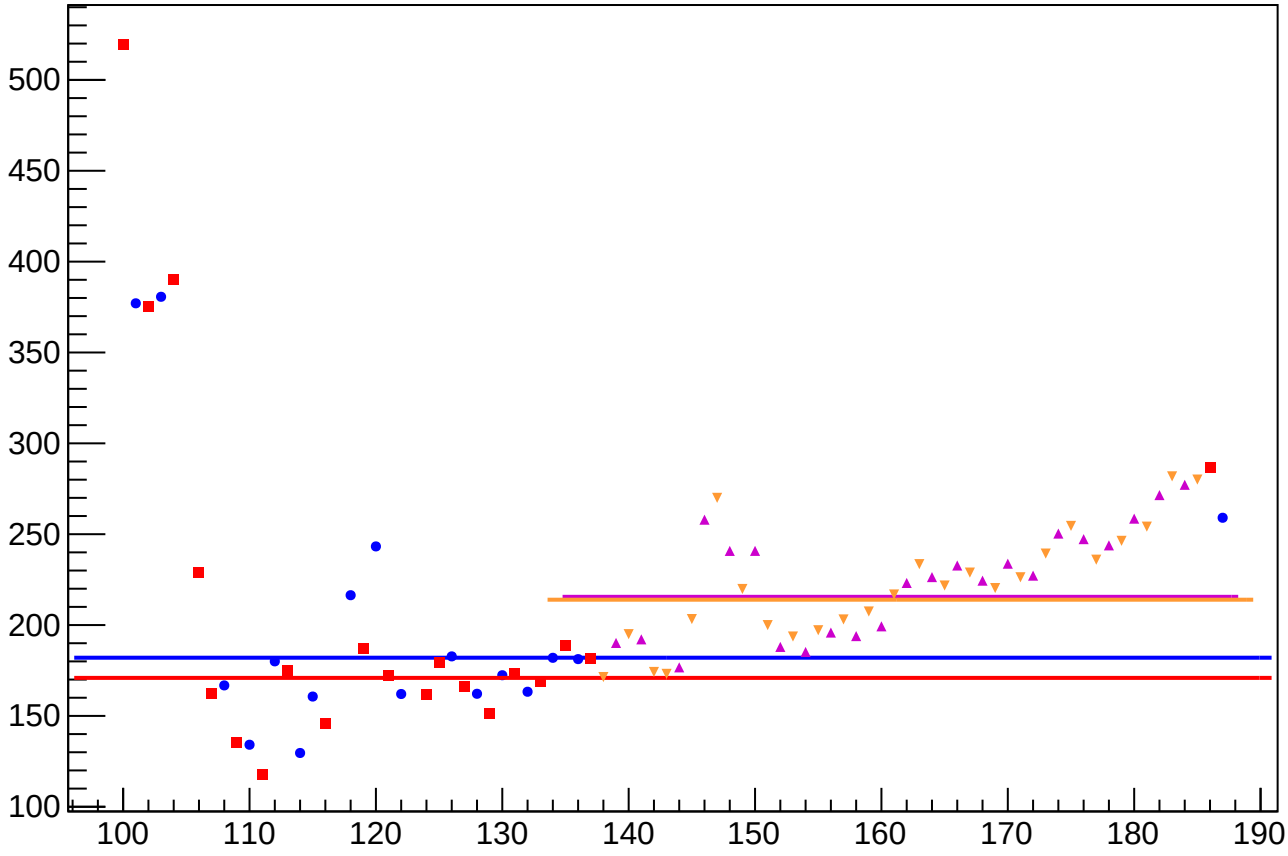
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147512.708+/-0.041 χ^2/NDF: 21688754935.4

All: 147630.492+/-0.029 χ^2/NDF: 45837877

- sign 147746.518+/-0.040 χ^2/NDF: 24132534972.9

yield_bpm0i07WS_rms vs Slug



Right In: 182.033+/-0.051 χ^2/NDF: 940181.3/16

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

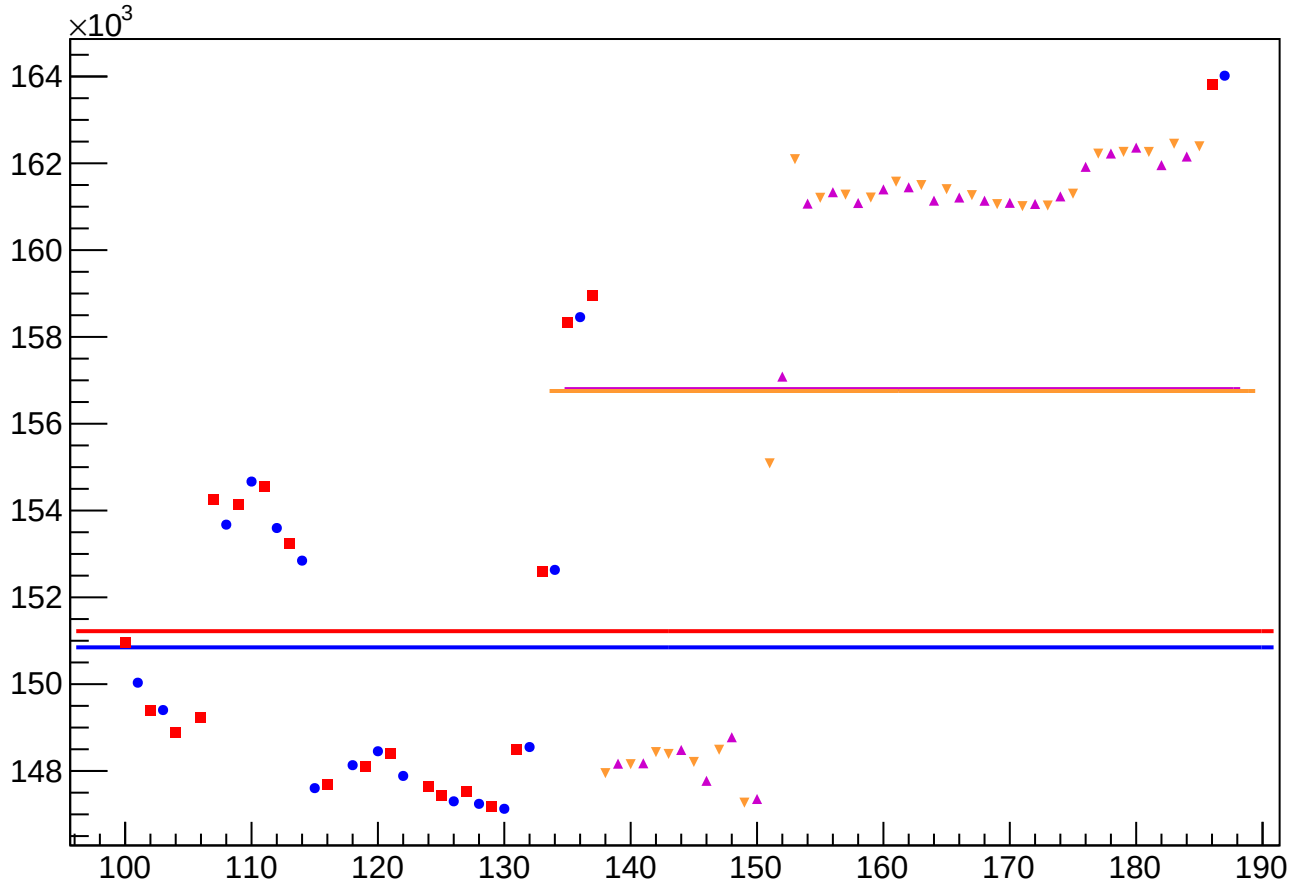
Right Out: 170.924+/-0.047 χ^2/NDF: 1226366.1/19

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.759+/-0.029 χ^2/NDF: 1857545.7/41

All: 201.237+/-0.020 χ^2/NDF: 4270937.6/84

- sign 198.753+/-0.029 χ^2/NDF: 2398188.3/42



Right In: 150848.010+/-0.063 χ^2/NDF: 3669038207.5/16

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 151220.843+/-0.060 χ^2/NDF: 4003720548.8/19

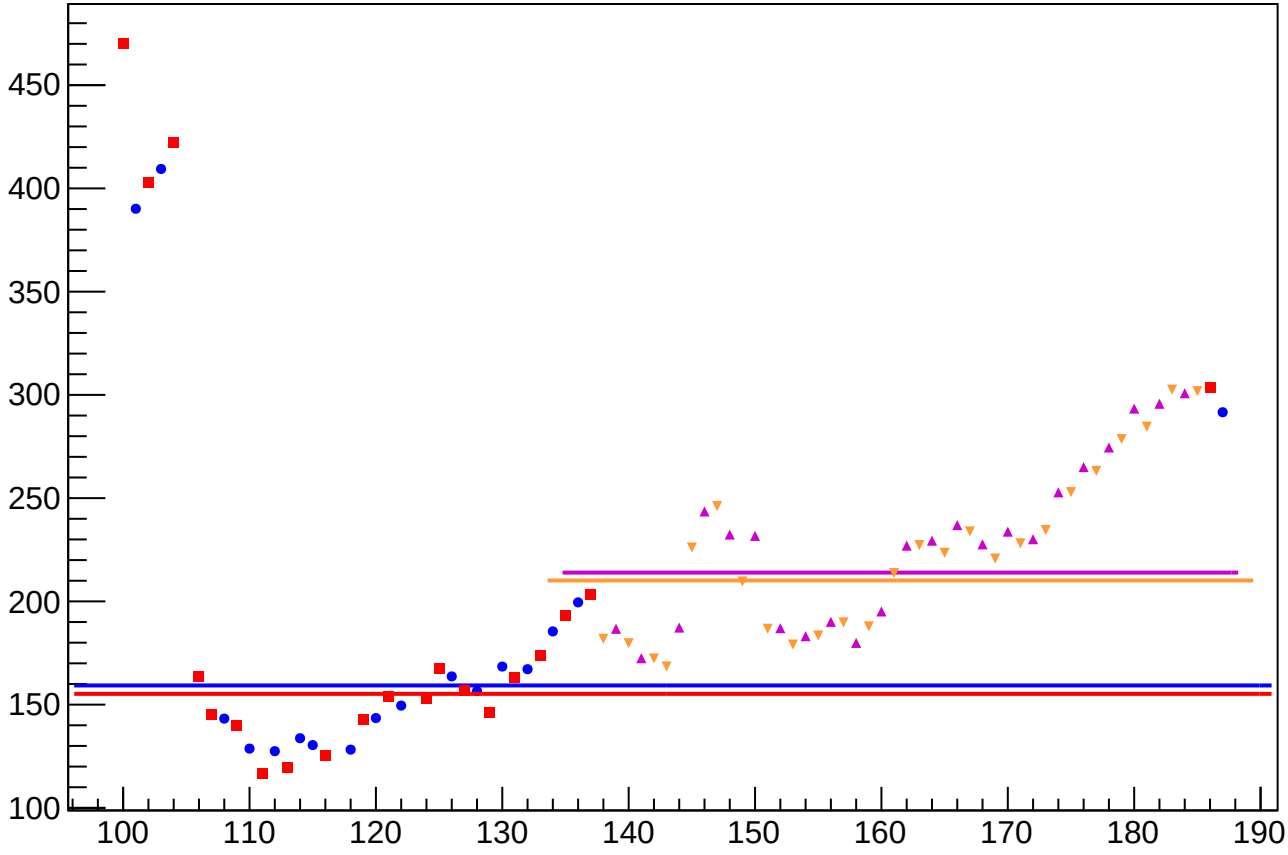
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 154532.050+/-0.038 χ^2/NDF: 25597602014.

All: 154487.442+/-0.027 χ^2/NDF: 49009386

- sign 154442.114+/-0.039 χ^2/NDF: 23409065872.

yield_bpm0i01WS_rms vs Slug



Right In: 159.290+/-0.044 χ^2/NDF: 1273442.3/16

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

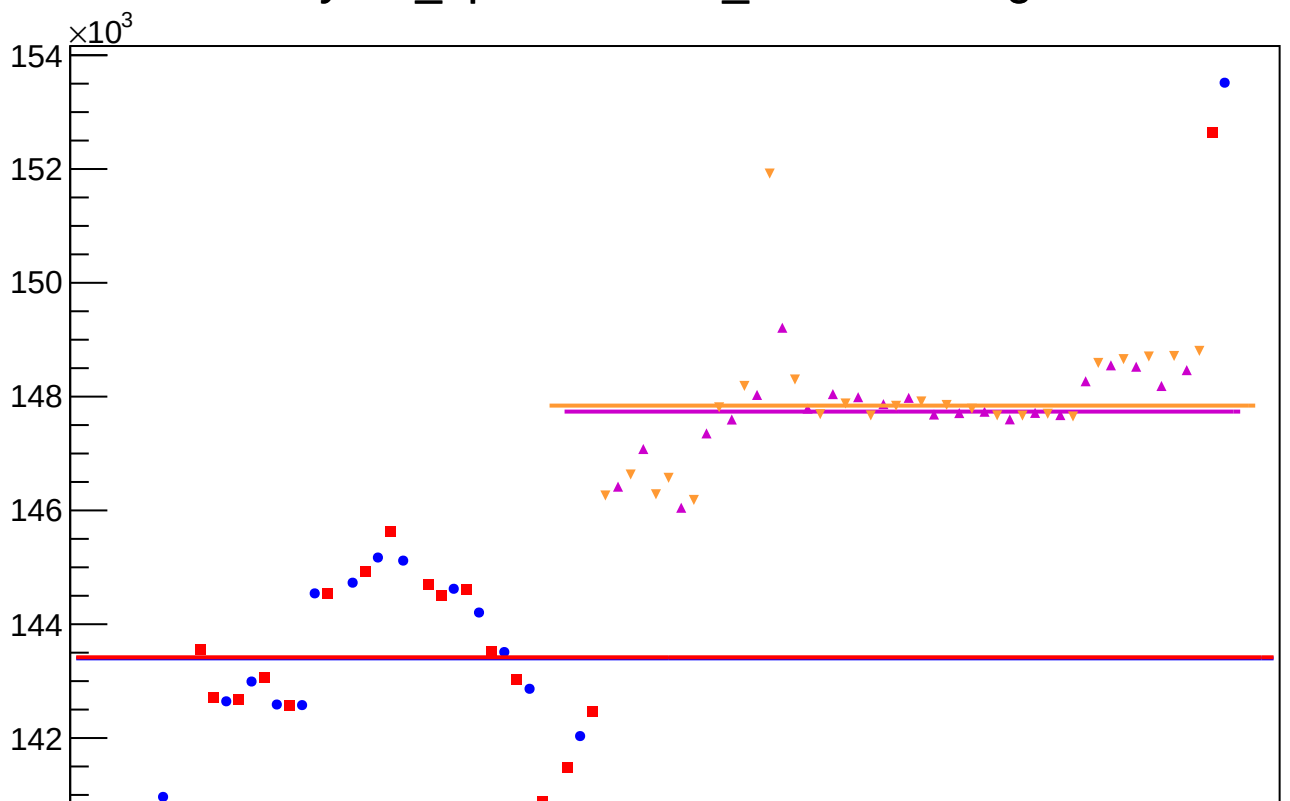
Right Out: 155.223+/-0.042 χ^2/NDF: 1463074.8/19

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 191.009+/-0.027 χ^2/NDF: 3093760.0/41

All: 190.082+/-0.019 χ^2/NDF: 6595845.8/84

- sign 189.140+/-0.027 χ^2/NDF: 3499736.3/42



Right In: 143400.230+/-0.053 χ^2/NDF: 850448359.9/16

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 143418.687+/-0.049 χ^2/NDF: 1119371127.6/19

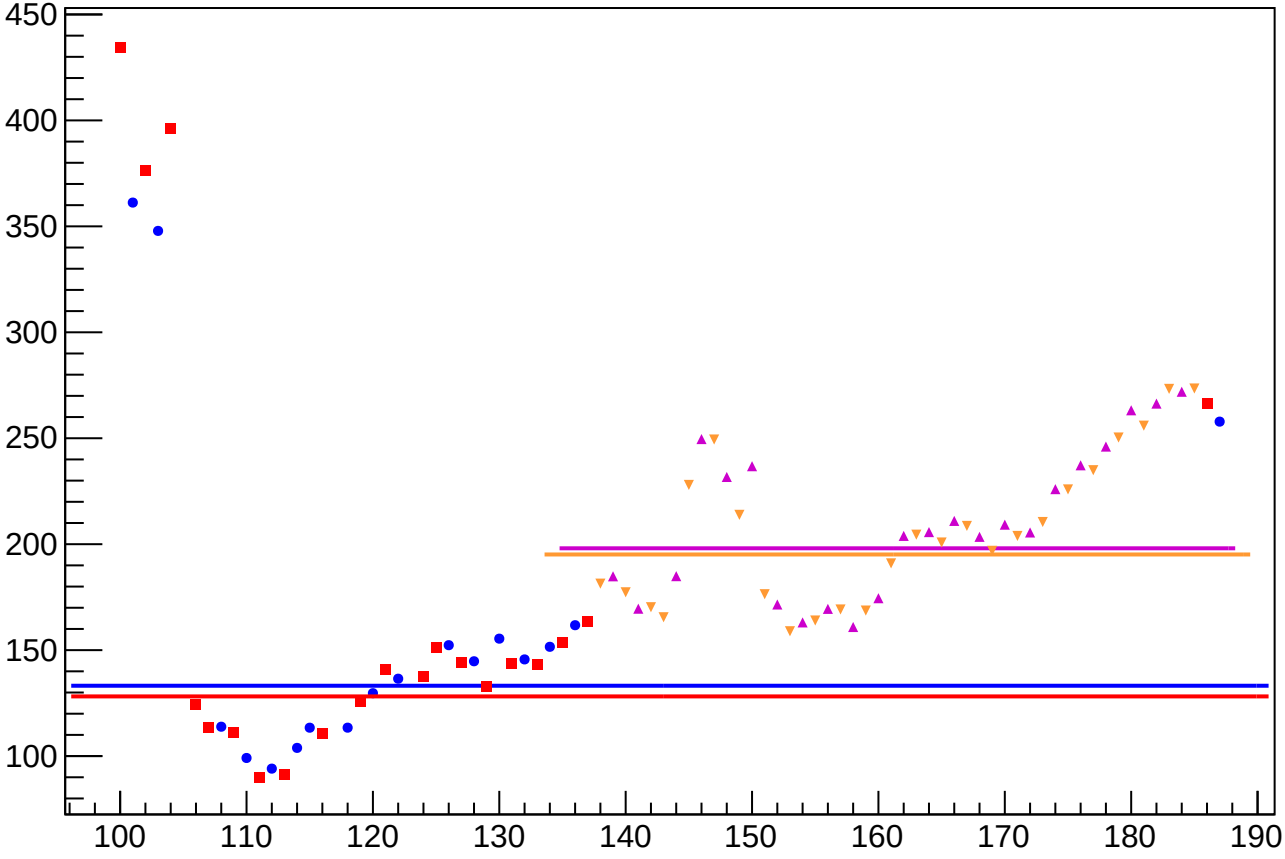
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 145971.609+/-0.034 χ^2/NDF: 5642918083.8

All: 145822.211+/-0.024 χ^2/NDF: 11026204

- sign 145674.823+/-0.034 χ^2/NDF: 5345680962.4/

yield_bpm0i01aWS_rms vs Slug



Right In: 133.197+/-0.037 χ^2/NDF: 1467562.4/16

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

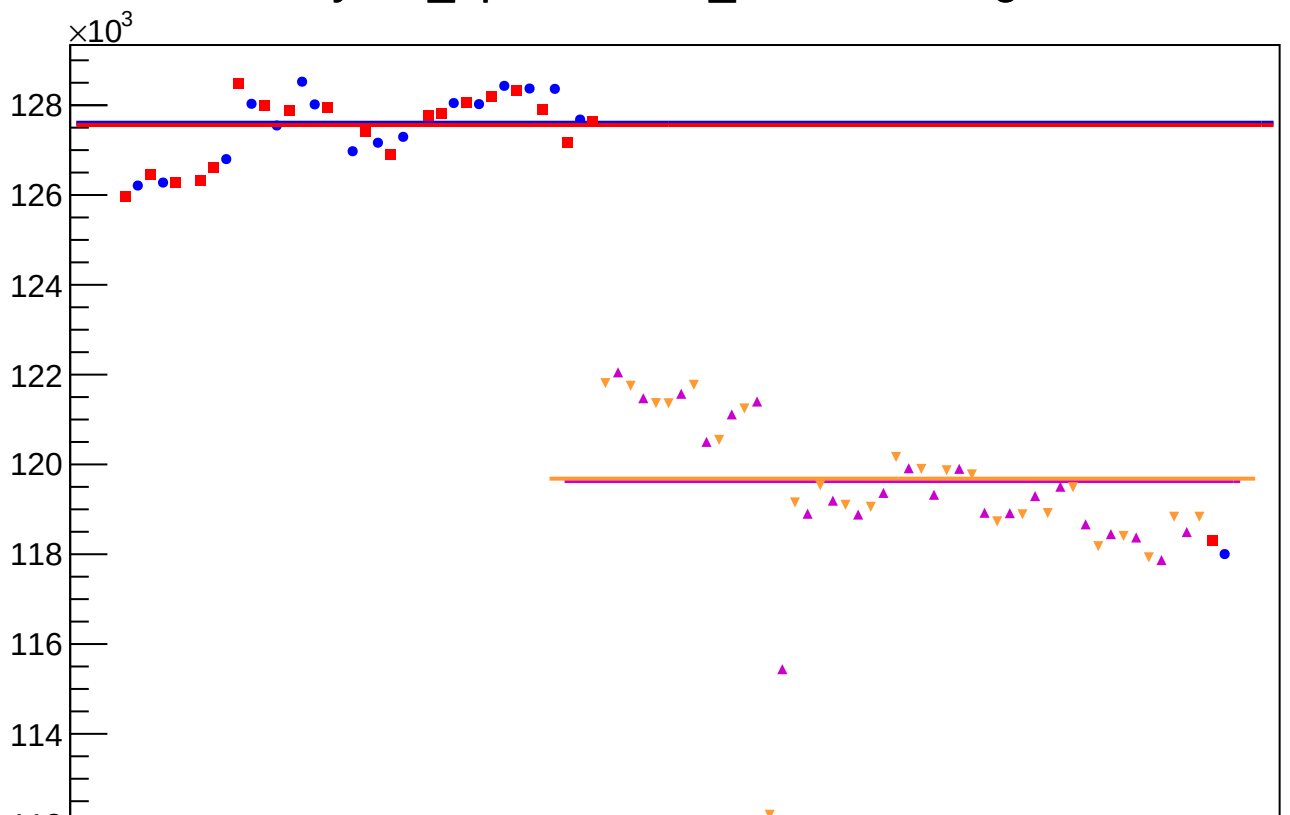
Right Out: 128.162+/-0.035 χ^2/NDF: 1768465.5/19

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 169.058+/-0.024 χ^2/NDF: 3958440.9/41

All: 166.855+/-0.017 χ^2/NDF: 8739269.3/84

- sign 164.682+/-0.024 χ^2/NDF: 4764472.6/42



Right In: 127609.711+/-0.058 χ^2/NDF: 375998429.2/16

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 127558.313+/-0.054 χ^2/NDF: 660511636.5/19

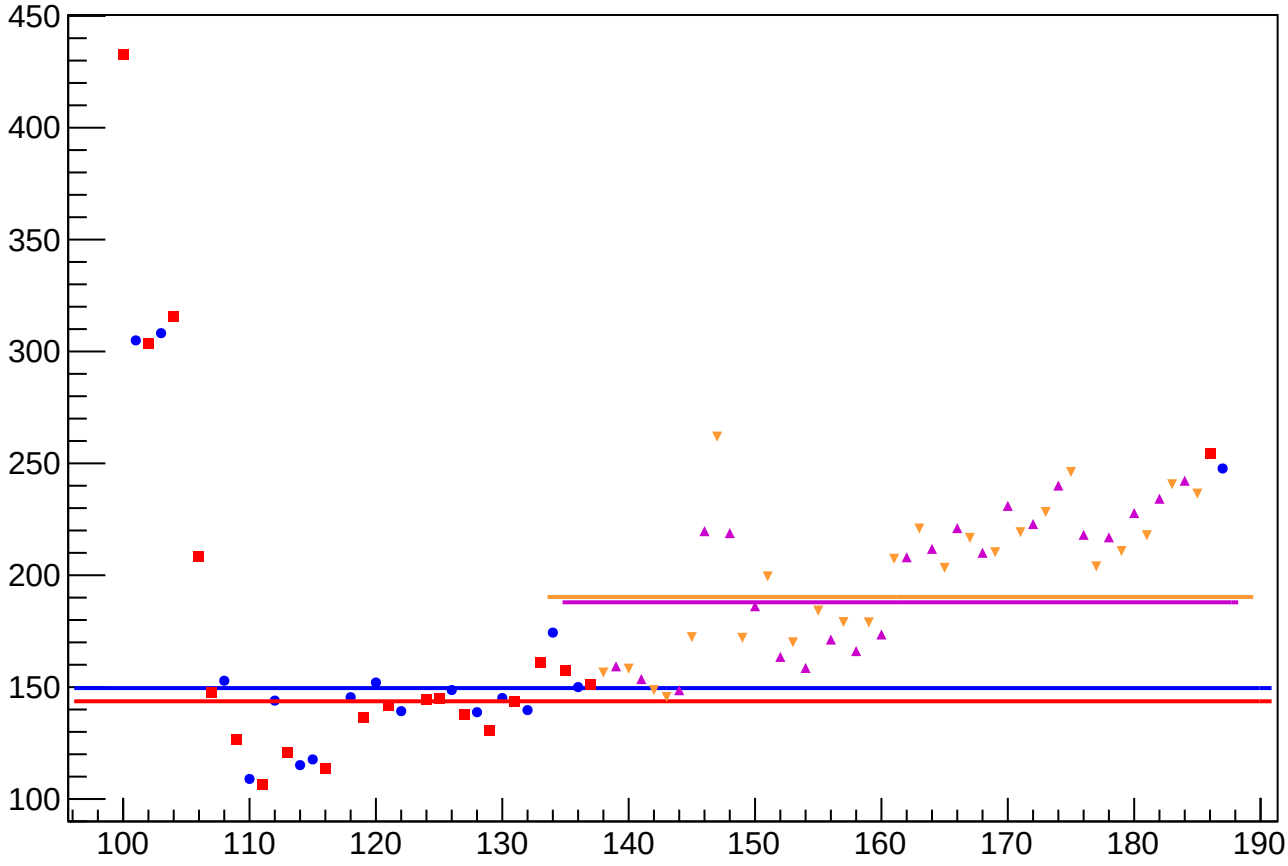
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 122592.753+/-0.035 χ^2/NDF: 14130878757.

All: 122723.299+/-0.025 χ^2/NDF: 28751940

- sign 122849.808+/-0.035 χ^2/NDF: 14593856624.6

yield_bpm0l01WS_rms vs Slug



Right In: 149.569+/-0.041 χ^2/NDF: 884394.0/16

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

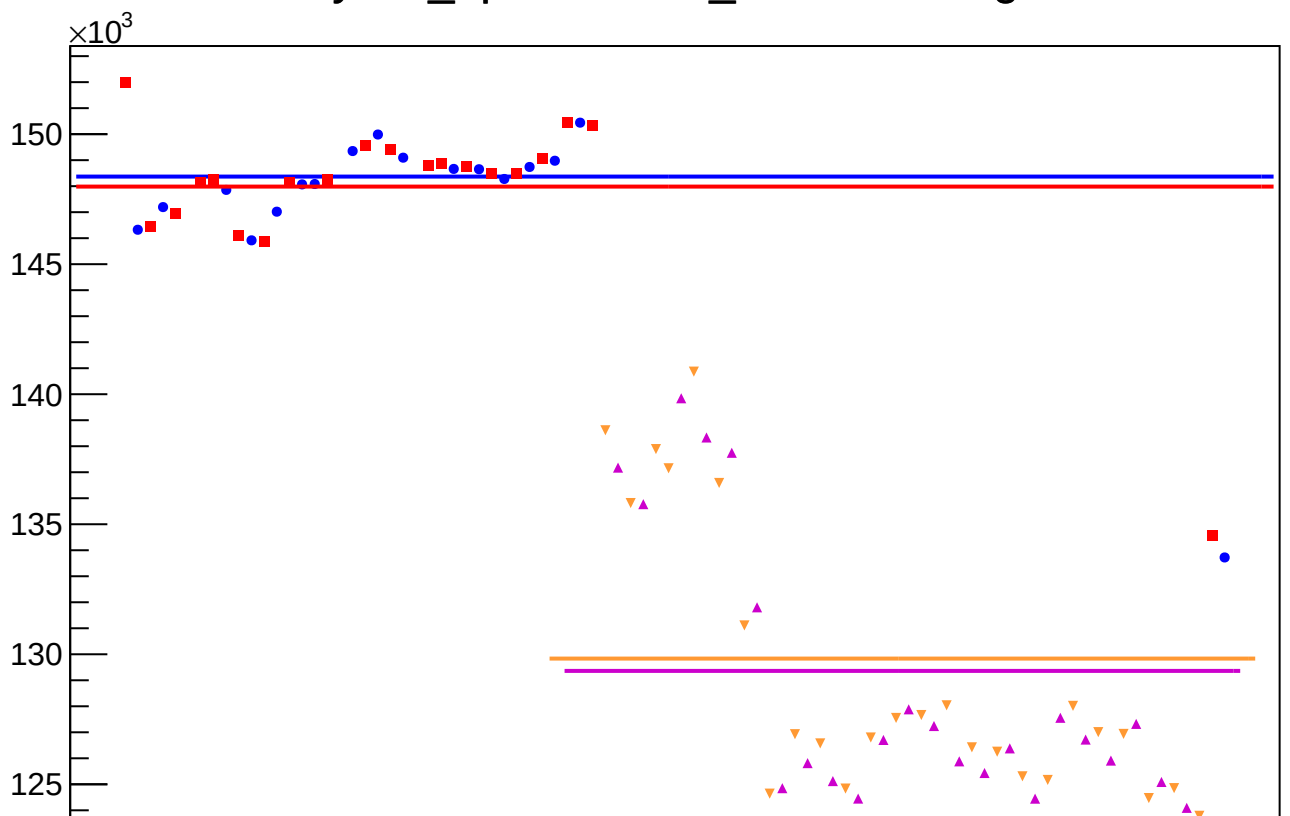
Right Out: 143.674+/-0.038 χ^2/NDF: 1159333.8/19

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 175.349+/-0.025 χ^2/NDF: 2430431.2/41

All: 172.603+/-0.017 χ^2/NDF: 5325118.0/84

- sign 169.943+/-0.025 χ^2/NDF: 2870756.1/42



Right In: 148368.931+/-0.081 χ^2/NDF: 559244247.1/16

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 147983.867+/-0.076 χ^2/NDF: 991438499.2/19

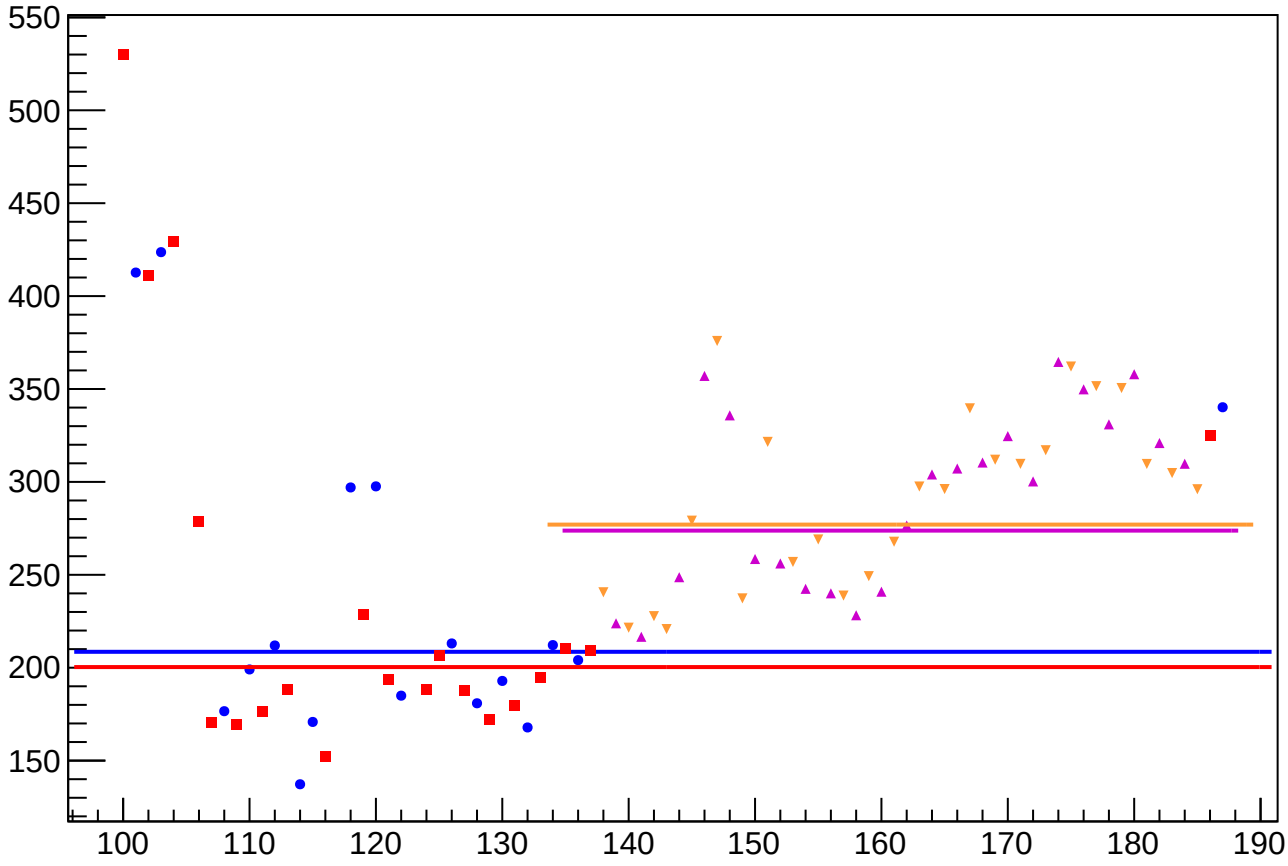
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136931.398+/-0.050 χ^2/NDF: 39268216368.

All: 137121.825+/-0.035 χ^2/NDF: 81555781

- sign 137305.190+/-0.049 χ^2/NDF: 42259578083.

yield_bpm0l02WS_rms vs Slug



Right In: 208.562+/-0.058 χ^2/NDF: 1028754.0/16

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

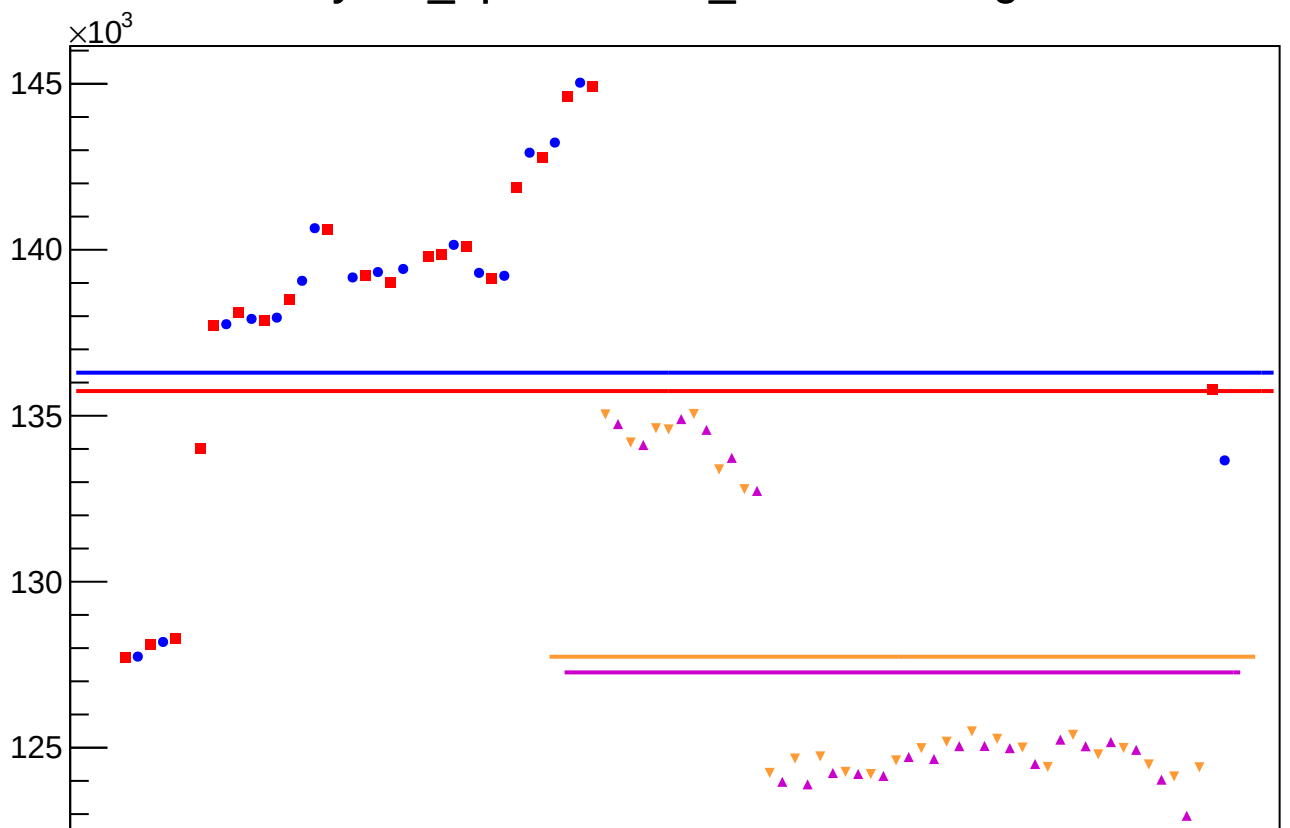
Right Out: 200.346+/-0.054 χ^2/NDF: 1024698.2/19

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 250.807+/-0.036 χ^2/NDF: 2846189.1/41

All: 246.553+/-0.025 χ^2/NDF: 5980118.4/84

- sign 242.456+/-0.035 χ^2/NDF: 3105985.4/42



Right In: 136297.933+/-0.165 χ^2/NDF: 1587624540.2/16

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 135744.151+/-0.169 χ^2/NDF: 1174136214.0/19

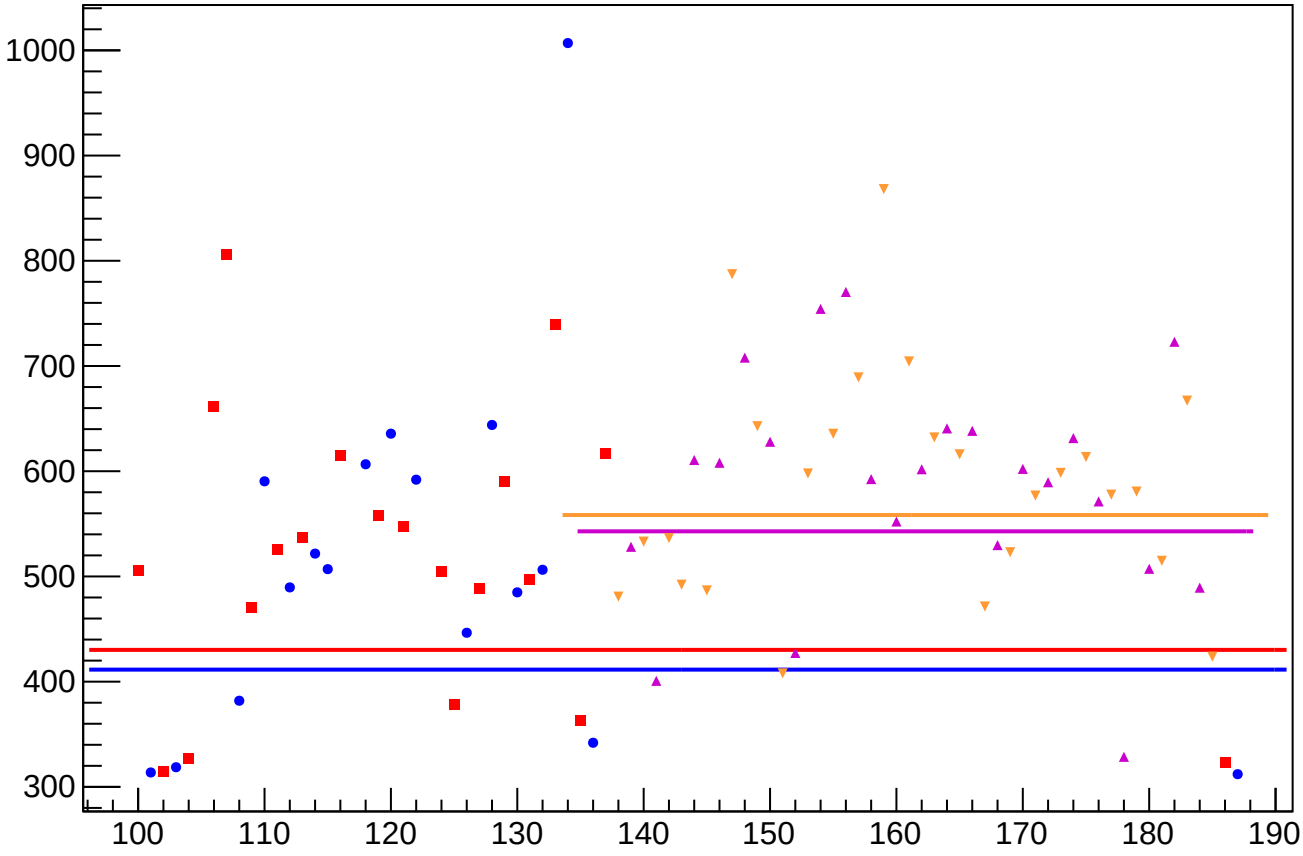
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 131184.759+/-0.105 χ^2/NDF: 4283256674.3

All: 130937.057+/-0.075 χ^2/NDF: 79445626

- sign 130678.111+/-0.107 χ^2/NDF: 3649873646.3/

yield_bpm0l03WS_rms vs Slug



Right In: 411.449+/-0.117 χ^2/NDF: 1061446.5/16

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

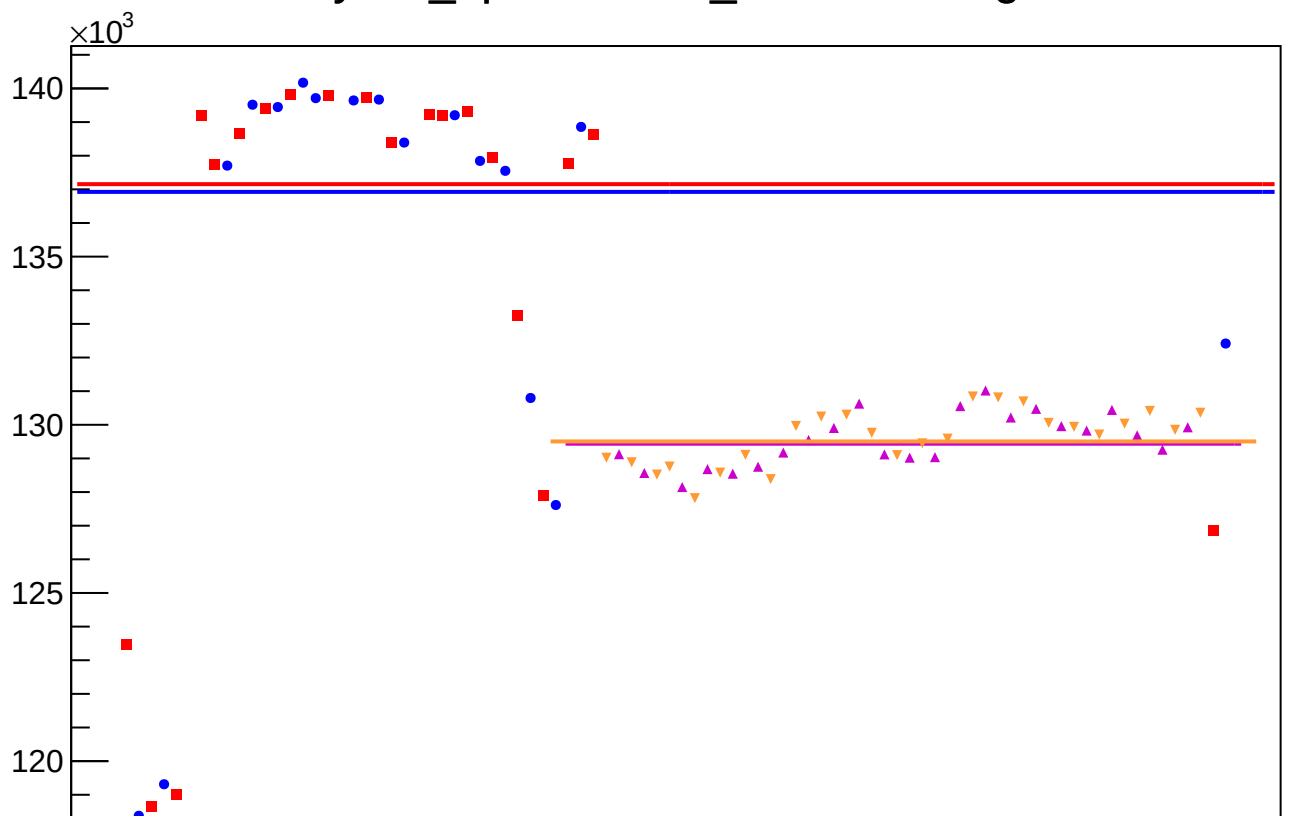
Right Out: 430.204+/-0.119 χ^2/NDF: 985892.8/19

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 499.245+/-0.074 χ^2/NDF: 2975006.0/41

All: 498.415+/-0.053 χ^2/NDF: 5909503.2/84

- sign 497.548+/-0.076 χ^2/NDF: 2934240.9/42



Right In: 136924.765+/-0.069 χ^2/NDF: 5845374405.0/16

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 137154.471+/-0.065 χ^2/NDF: 6158151280.7/19

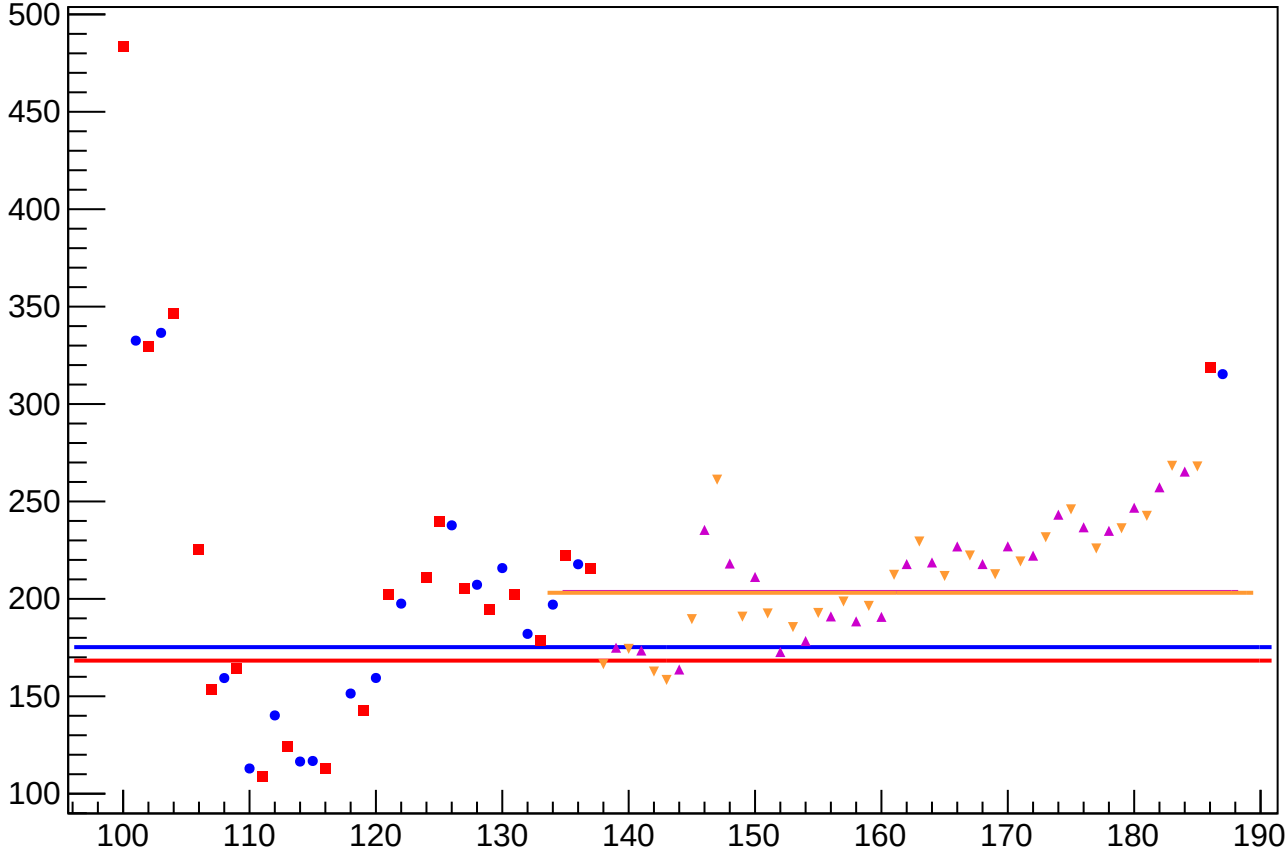
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 131836.935+/-0.039 χ^2/NDF: 13978698455.

All: 132012.644+/-0.027 χ^2/NDF: 29494875

- sign 132187.780+/-0.039 χ^2/NDF: 15475474608.

yield_bpm0l04WS_rms vs Slug



Right In: 175.231+/-0.049 χ^2/NDF: 1261139.5/16

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

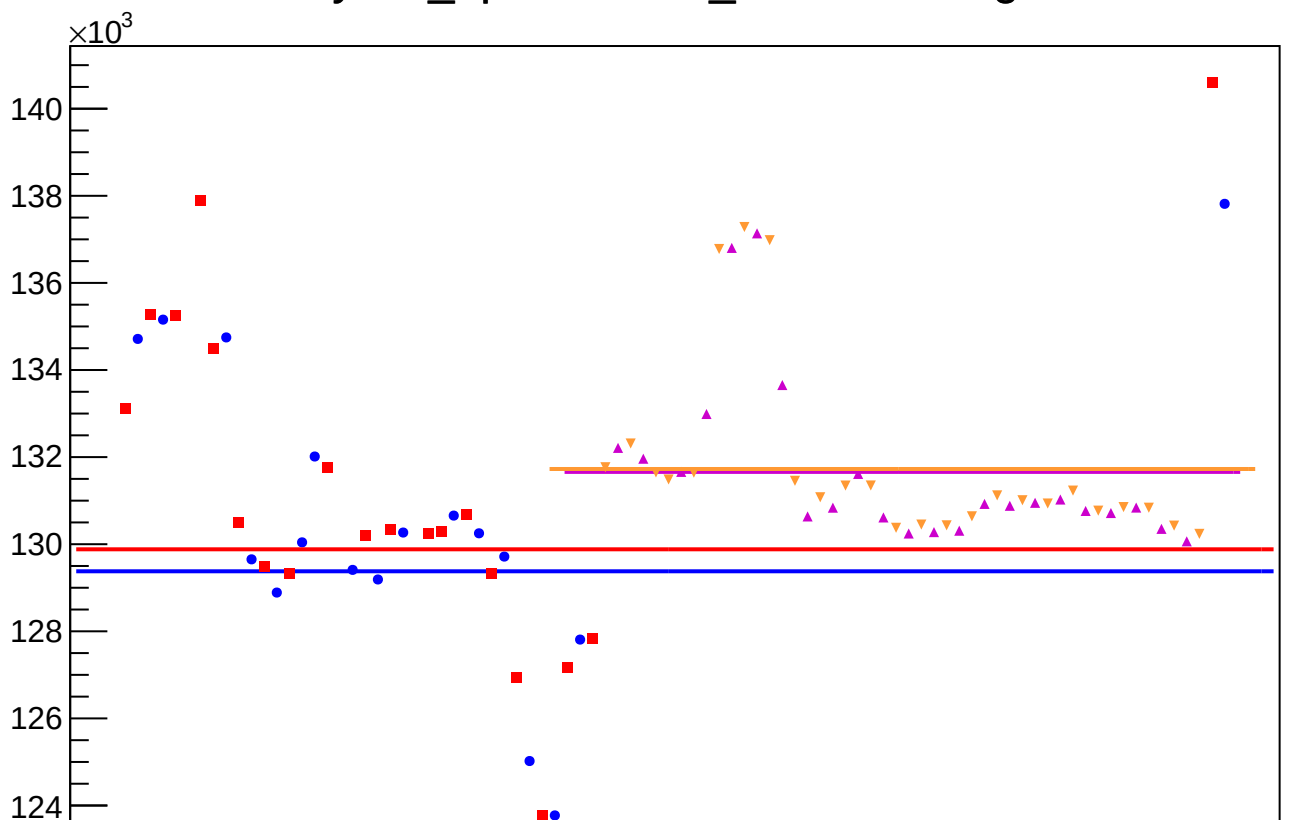
Right Out: 168.309+/-0.046 χ^2/NDF: 1612819.8/19

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 194.361+/-0.028 χ^2/NDF: 2241083.4/41

All: 192.672+/-0.019 χ^2/NDF: 4904791.7/84

- sign 190.988+/-0.027 χ^2/NDF: 2656186.4/42



Right In: 129378.161+/-0.066 χ^2/NDF: 1794478513.7/16

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 129882.909+/-0.061 χ^2/NDF: 2296477847.8/19

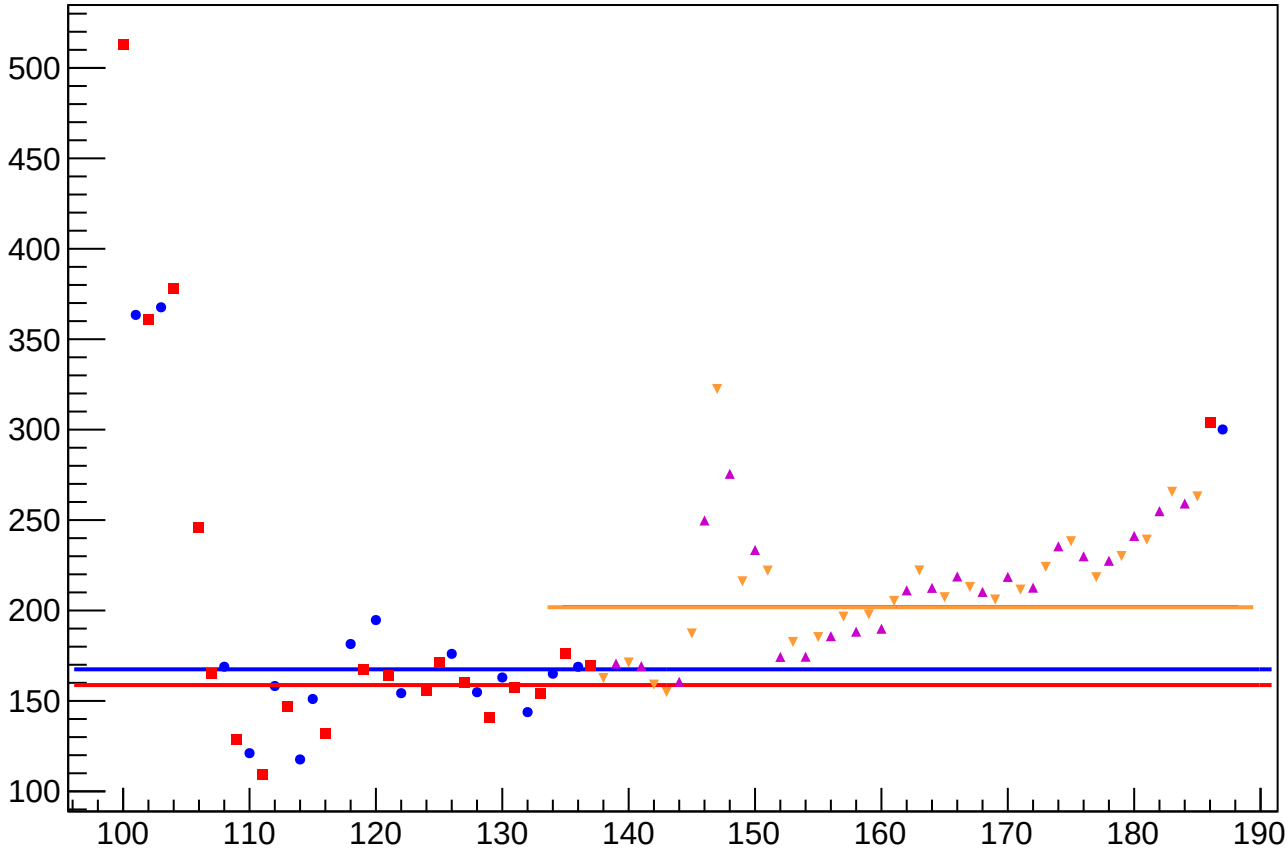
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 130938.766+/-0.038 χ^2/NDF: 4063323495.3

All: 130958.613+/-0.027 χ^2/NDF: 80473628

- sign 130978.077+/-0.038 χ^2/NDF: 3983504290.1/

yield_bpm0l05WS_rms vs Slug



Right In: 167.470+/-0.047 χ^2/NDF: 1009229.0/16

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

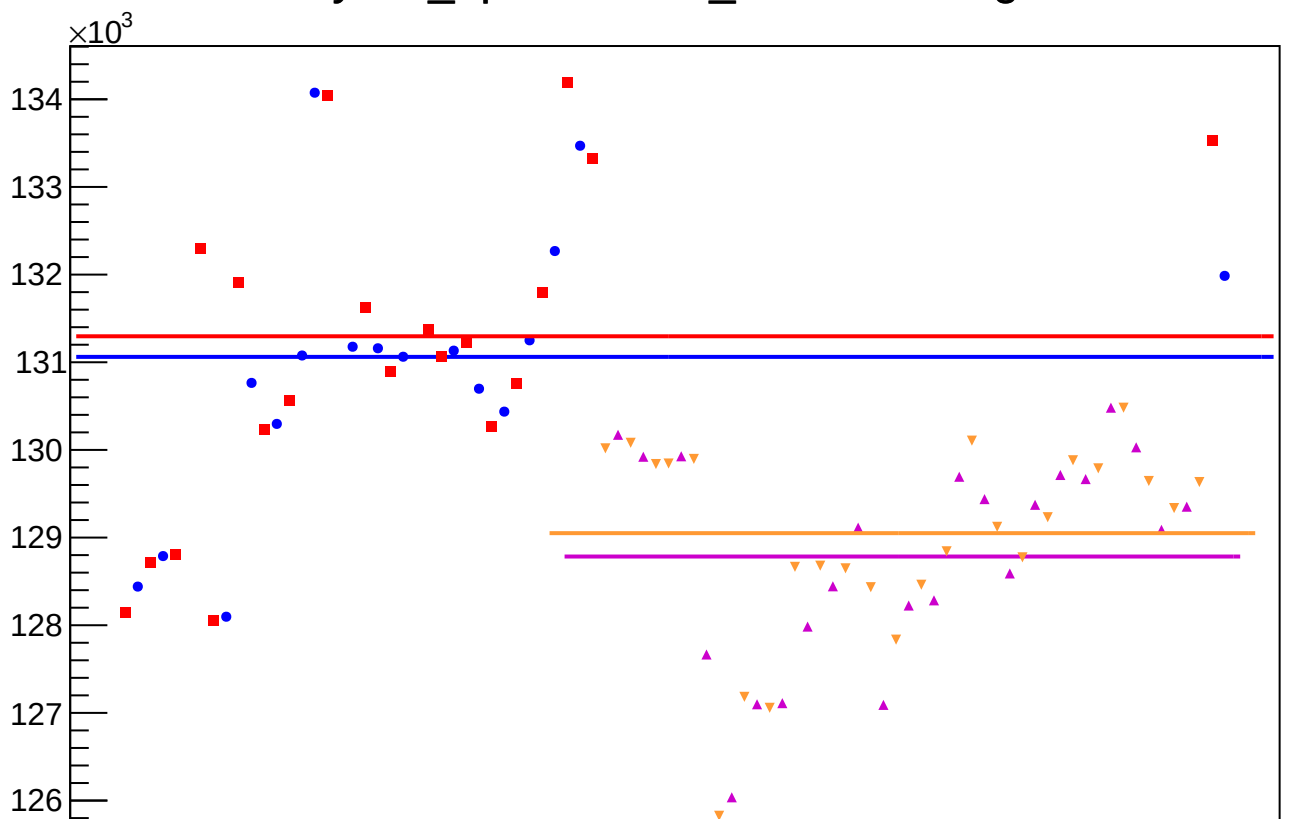
Right Out: 158.777+/-0.043 χ^2/NDF: 1363210.0/19

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

\+ sign 190.277+/-0.027 χ^2/NDF: 2275020.8/41

All: 187.802+/-0.019 χ^2/NDF: 5074092.1/84

\- sign 185.374+/-0.027 χ^2/NDF: 2782422.2/42



Right In: 131061.356+/-0.060 χ^2/NDF: 525980528.5/16

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131296.359+/-0.056 χ^2/NDF: 628370693.7/19

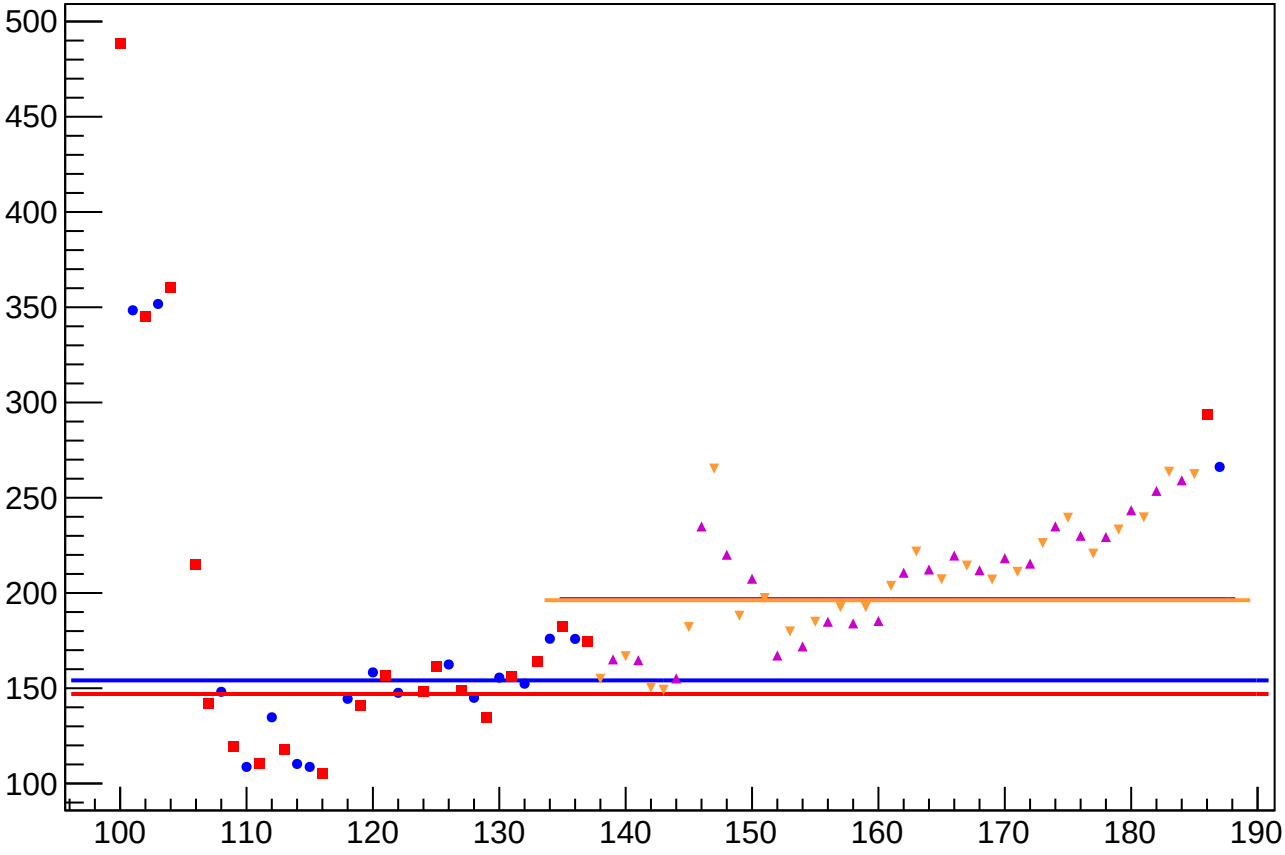
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 129779.069+/-0.036 χ^2/NDF: 1764852968.7

All: 129796.905+/-0.026 χ^2/NDF: 42267229

- sign 129814.438+/-0.036 χ^2/NDF: 2461391948.1/

yield_bpm0l06WS_rms vs Slug



Right In: 154.126+/-0.043 χ^2/NDF: 1126112.4/16

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

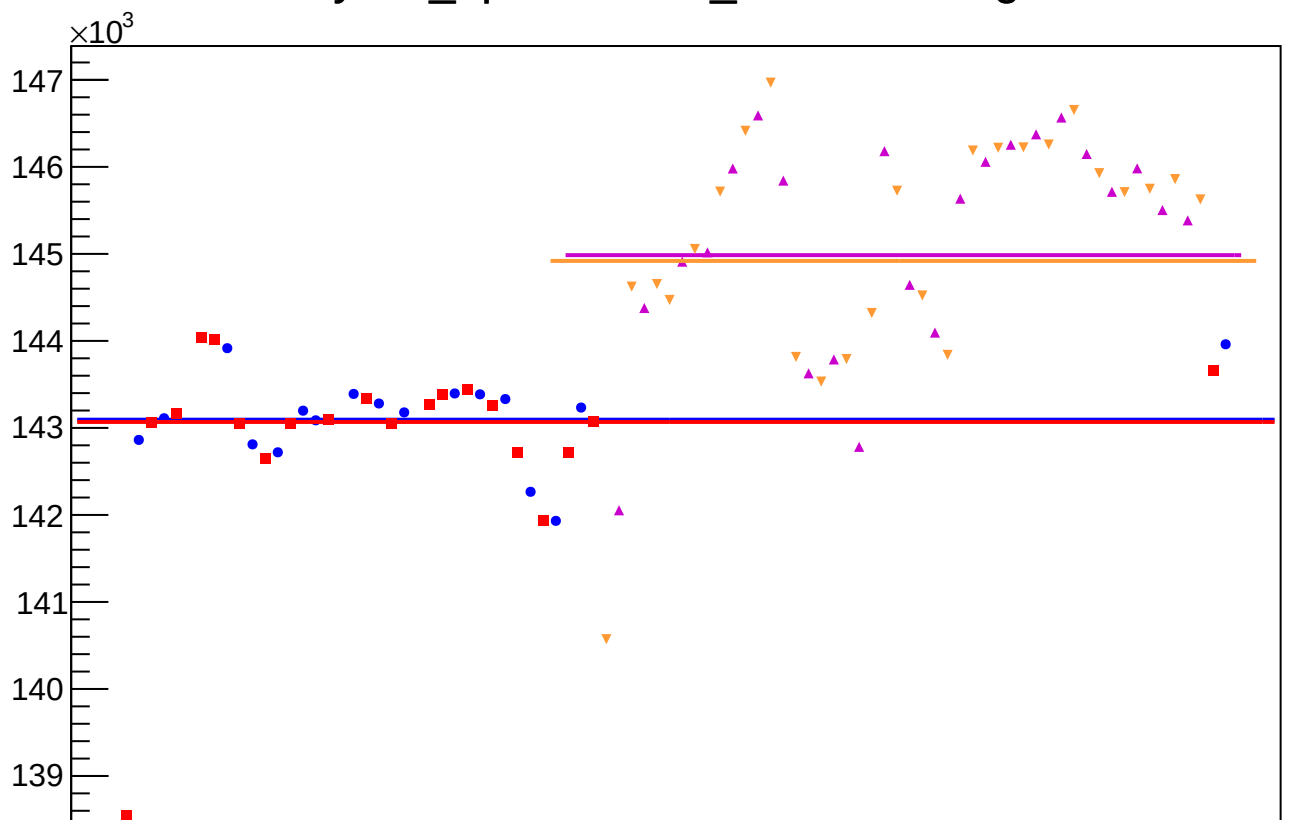
Right Out: 146.975+/-0.040 χ^2/NDF: 1471828.8/19

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 180.957+/-0.026 χ^2/NDF: 2668915.0/41

All: 178.652+/-0.018 χ^2/NDF: 5857256.8/84

- sign 176.386+/-0.025 χ^2/NDF: 3172374.7/42



Right In: 143094.387+/-0.065 χ^2/NDF: 48359904.7/16

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143068.654+/-0.060 χ^2/NDF: 53090100.6/19

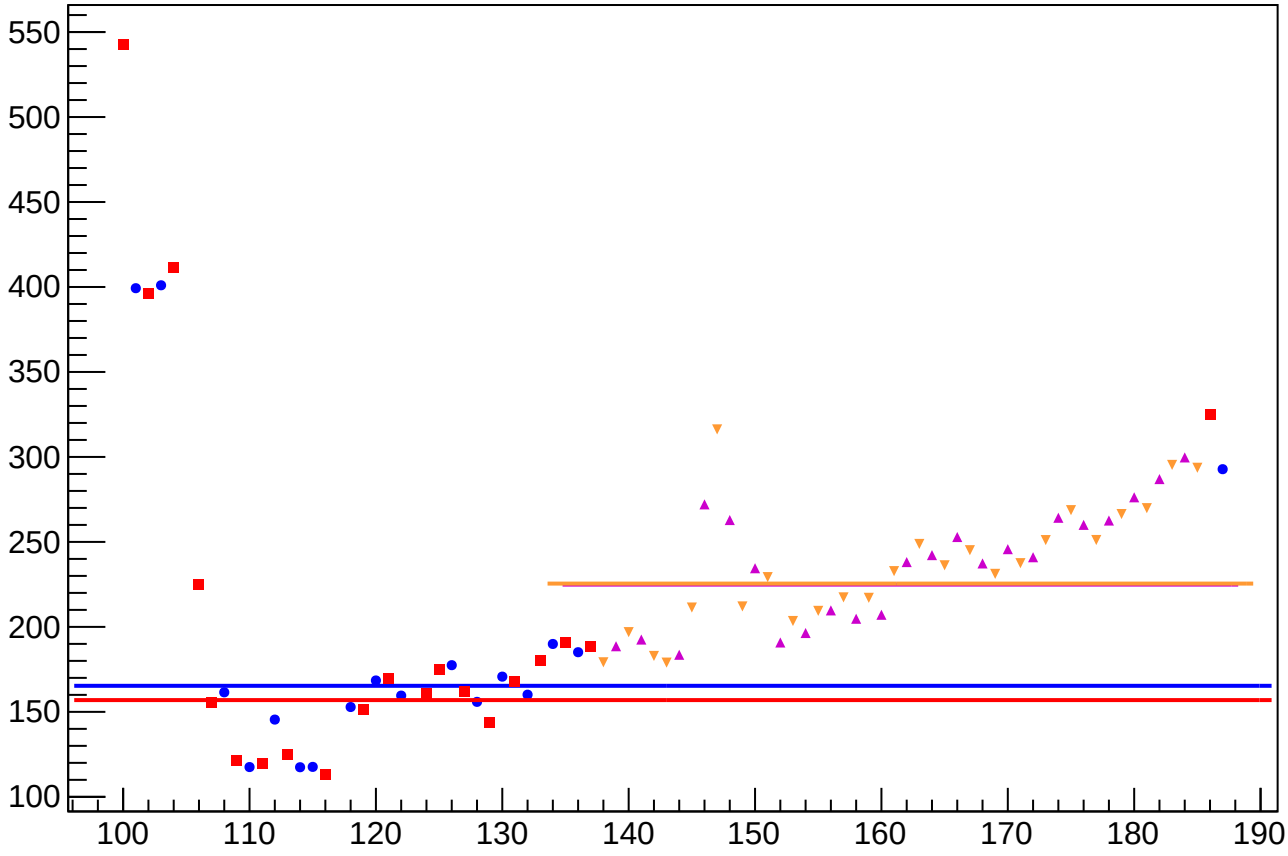
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144200.563+/-0.041 χ^2/NDF: 1364804602.7/

All: 144169.235+/-0.029 χ^2/NDF: 260333402

- sign 144138.874+/-0.040 χ^2/NDF: 1237360613.1/

yield_bpm0l07WS_rms vs Slug



Right In: 165.330+/-0.046 χ^2/NDF: 1200399.4/16

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

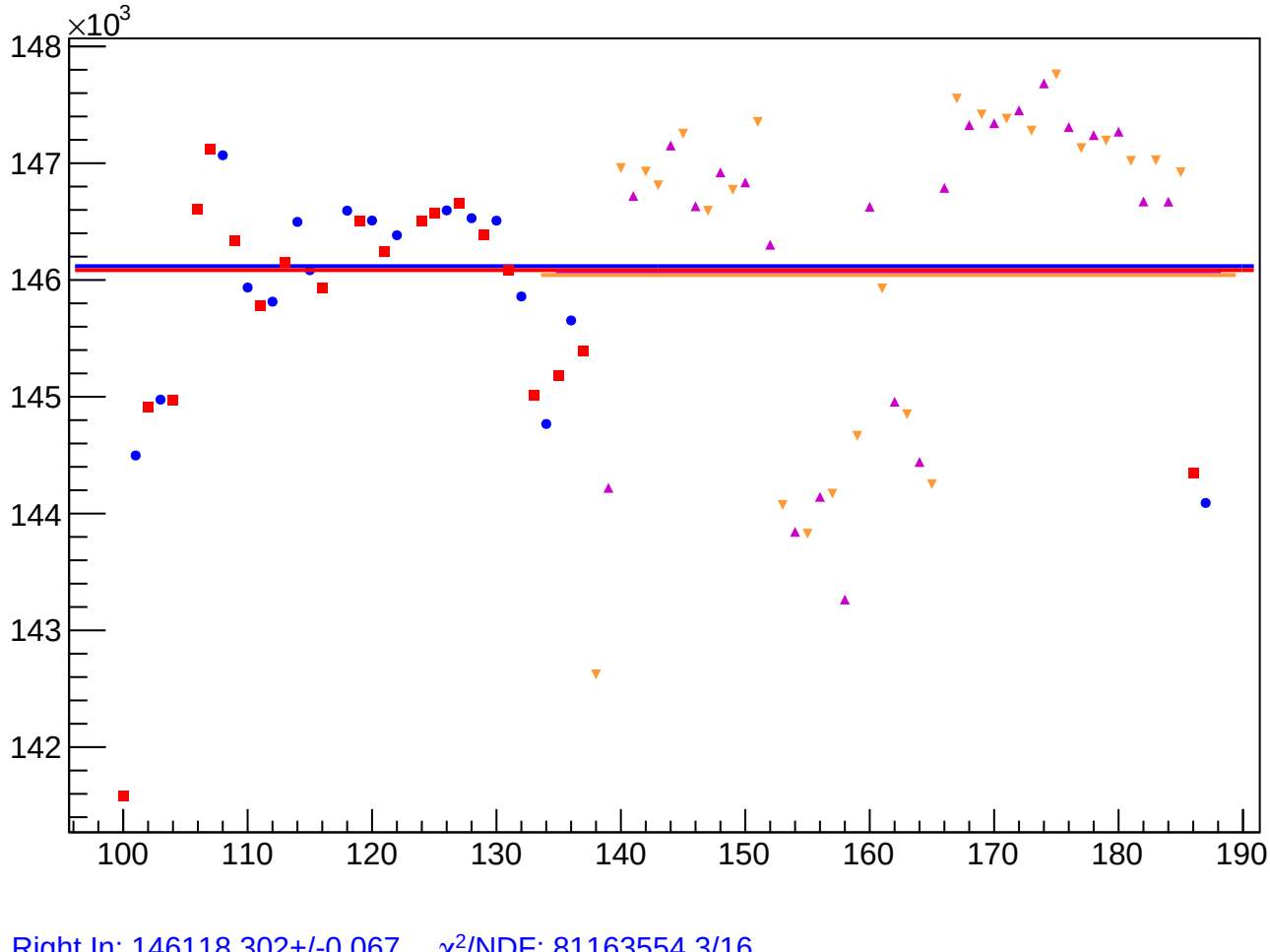
Right Out: 156.929+/-0.043 χ^2/NDF: 1586549.4/19

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 201.785+/-0.029 χ^2/NDF: 3020553.1/41

All: 198.268+/-0.020 χ^2/NDF: 6781038.4/84

- sign 194.859+/-0.028 χ^2/NDF: 3731019.5/42



Right In: 146118.302+/-0.067 χ^2/NDF: 81163554.3/16

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 146084.292+/-0.062 χ^2/NDF: 86730877.3/19

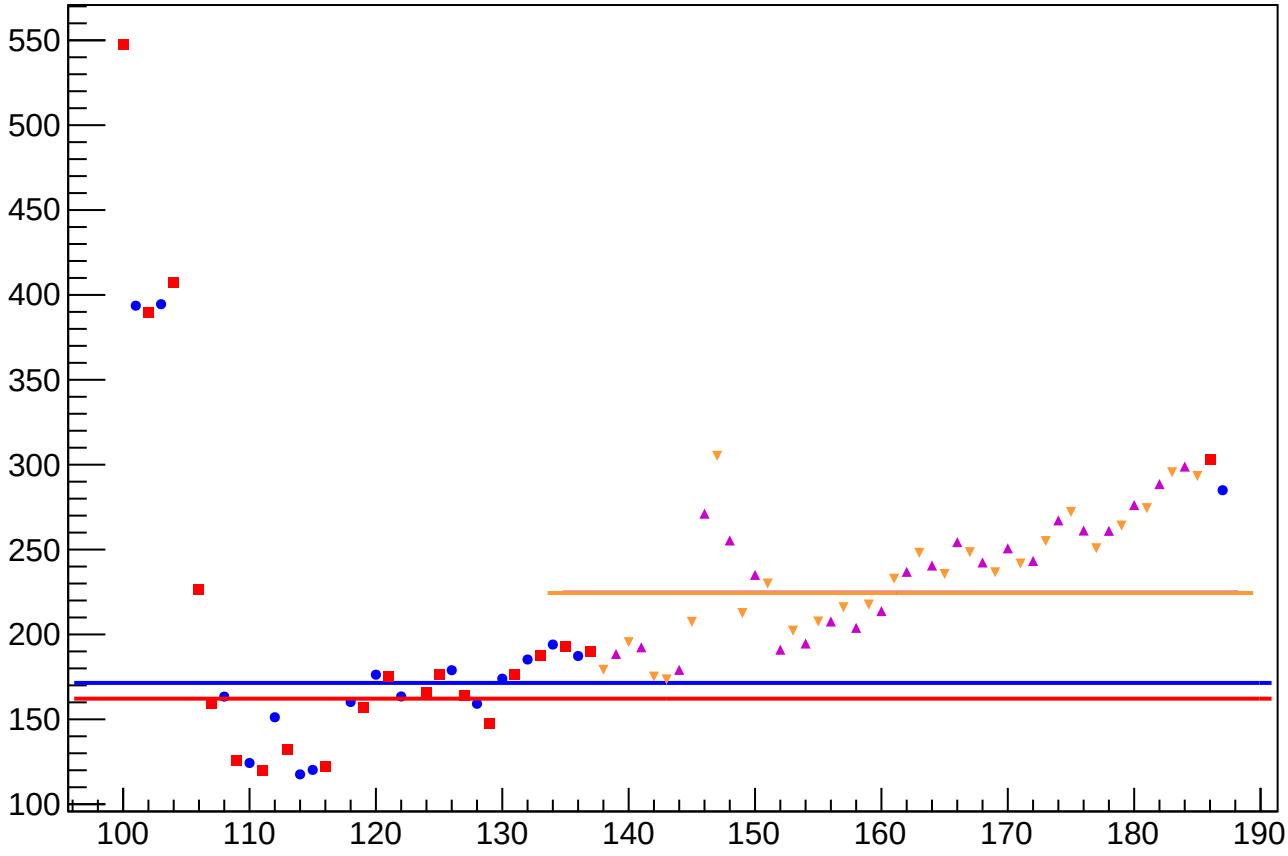
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign 146071.063+/-0.041 χ^2/NDF: 964663761.8/4

All: 146069.762+/-0.029 χ^2/NDF: 17502533

- sign 146068.497+/-0.041 χ^2/NDF: 785587641.2/42

yield_bpm0l08WS_rms vs Slug



Right In: 171.451+/-0.047 χ^2/NDF: 1116824.6/16

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

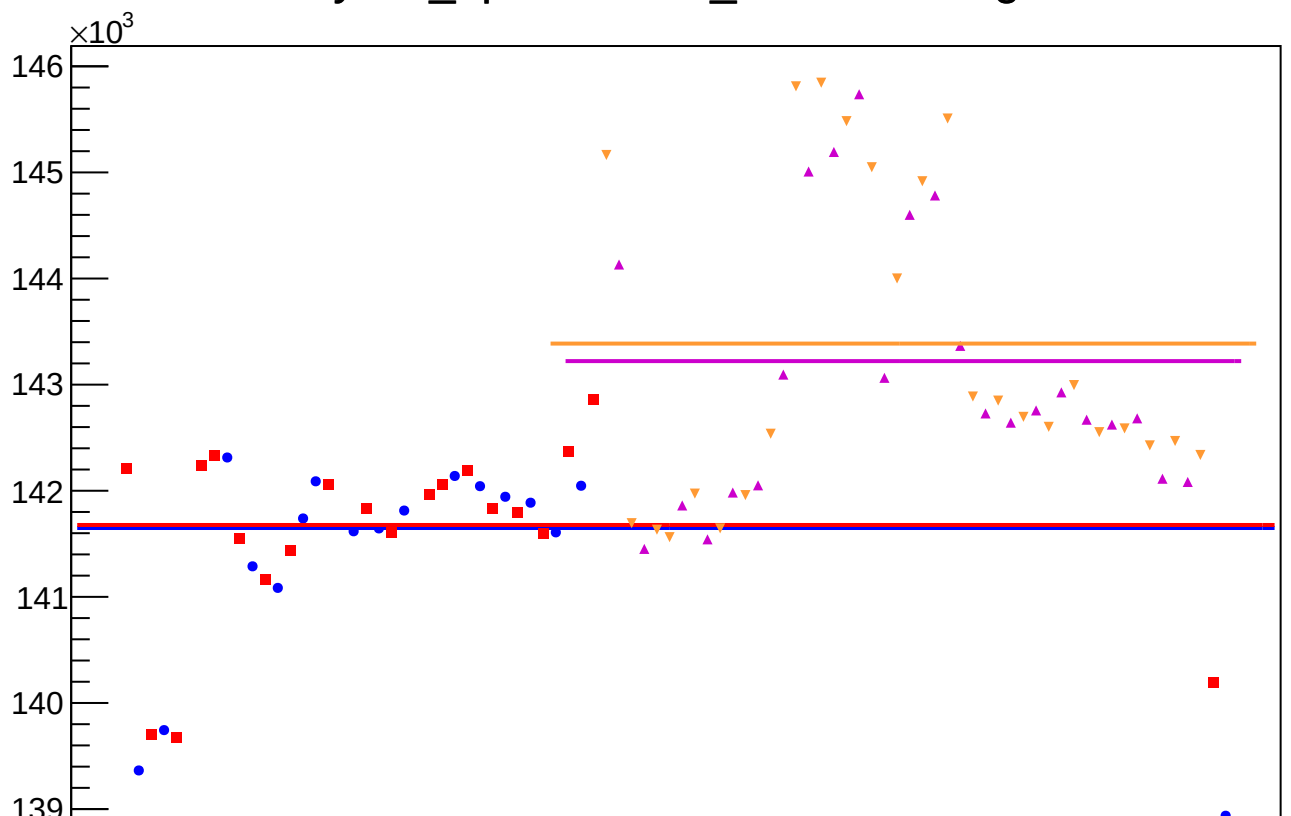
Right Out: 162.180+/-0.044 χ^2/NDF: 1472000.3/19

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 204.514+/-0.029 χ^2/NDF: 2744953.7/41

All: 201.174+/-0.020 χ^2/NDF: 6164083.6/84

- sign 197.927+/-0.029 χ^2/NDF: 3393076.0/42



Right In: 141648.928+/-0.068 χ^2/NDF: 83677151.0/16

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 141677.419+/-0.063 χ^2/NDF: 75442182.5/19

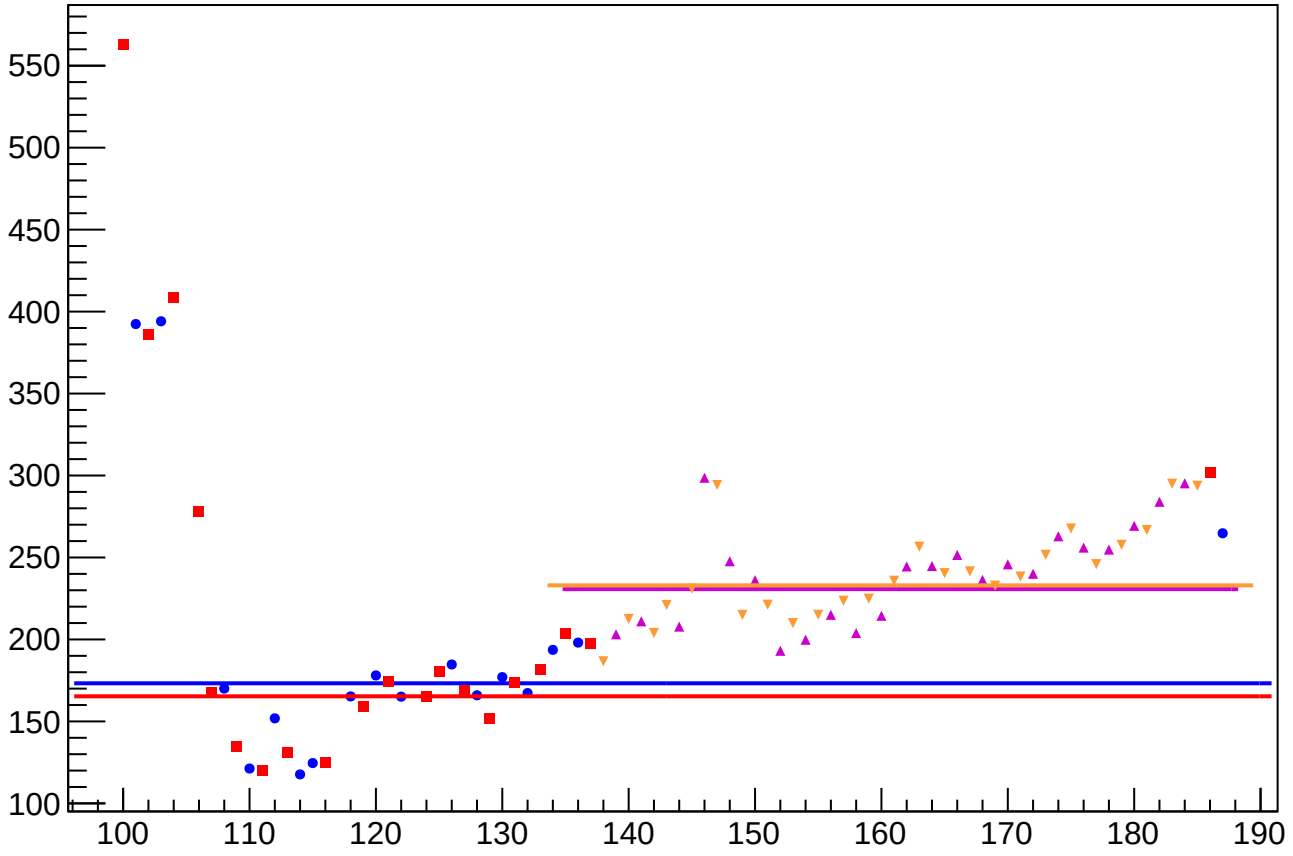
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign 142717.897+/-0.042 χ^2/NDF: 1271133303.0

All: 142637.096+/-0.030 χ^2/NDF: 22346120

- sign 142558.882+/-0.041 χ^2/NDF: 956230342.5/4

yield_bpm0l09WS_rms vs Slug



Right In: 173.250+/-0.048 χ^2/NDF: 1112750.2/16

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

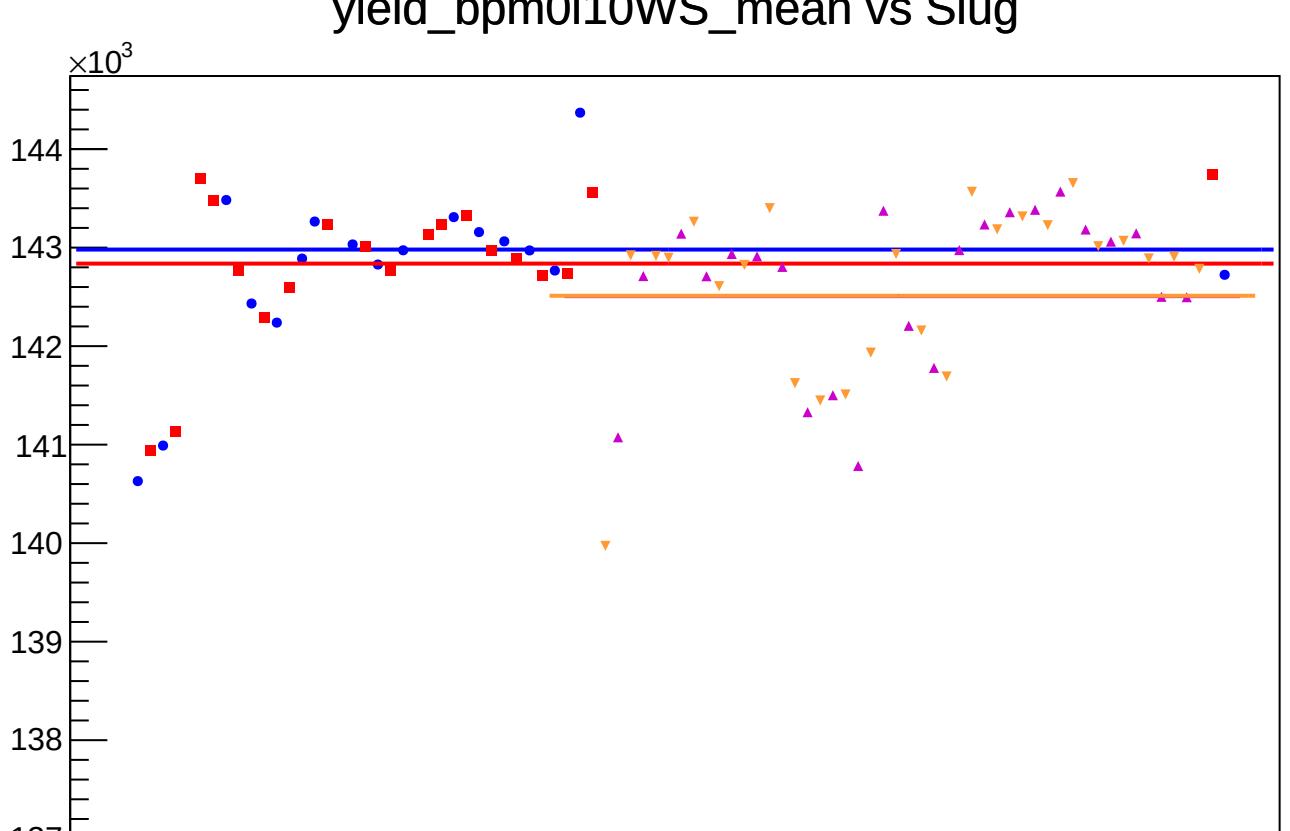
Right Out: 165.308+/-0.045 χ^2/NDF: 1473864.1/19

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 210.004+/-0.030 χ^2/NDF: 2512783.7/41

All: 206.255+/-0.021 χ^2/NDF: 5750698.4/84

- sign 202.627+/-0.029 χ^2/NDF: 3206711.8/42



Right In: 142980.351+/-0.069 χ^2/NDF: 107840102.4/16

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142837.790+/-0.064 χ^2/NDF: 66964075.7/19

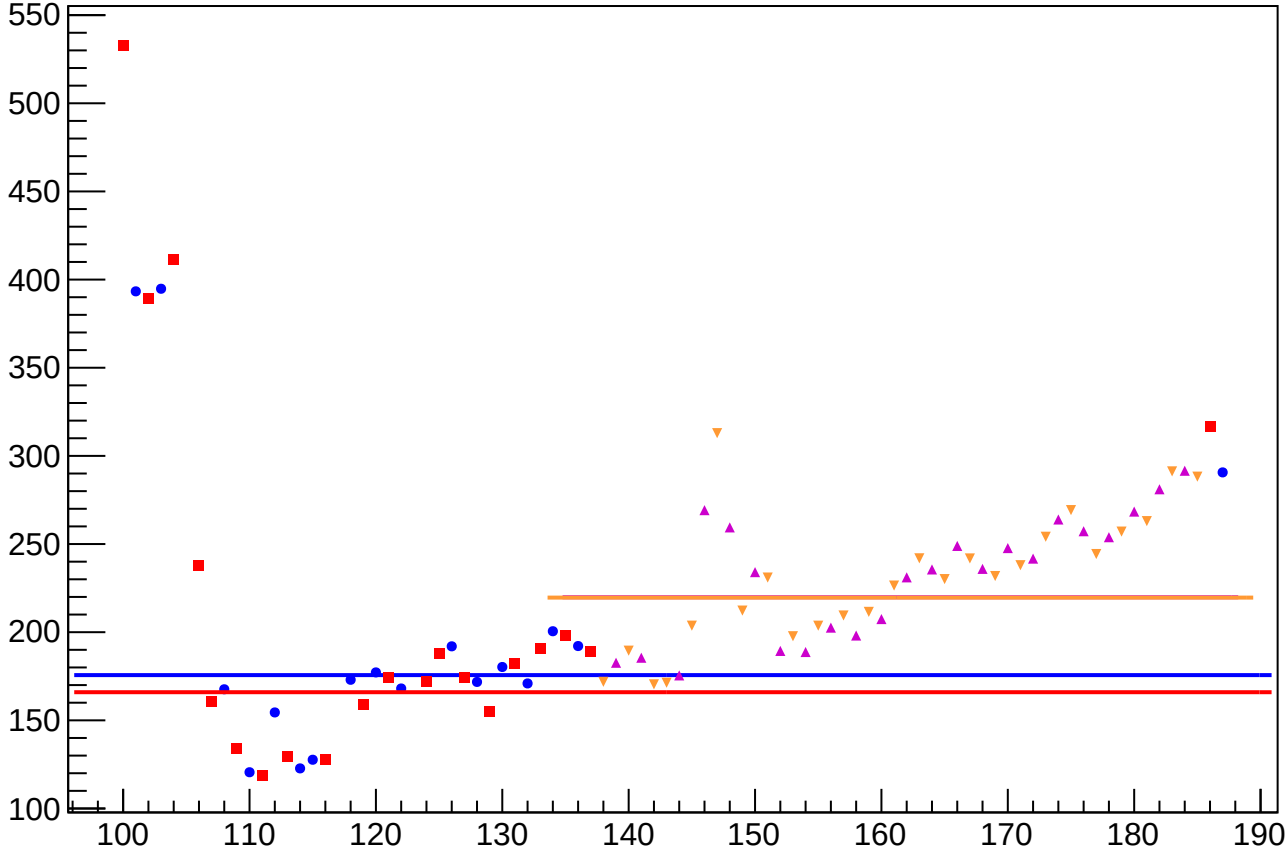
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142677.409+/-0.041 χ^2/NDF: 475980727.4/4

All: 142659.149+/-0.029 χ^2/NDF: 82869731

- sign 142641.324+/-0.040 χ^2/NDF: 352322858.4/4

yield_bpm0l10WS_rms vs Slug



Right In: 175.659+/-0.049 χ^2/NDF: 1107109.8/16

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

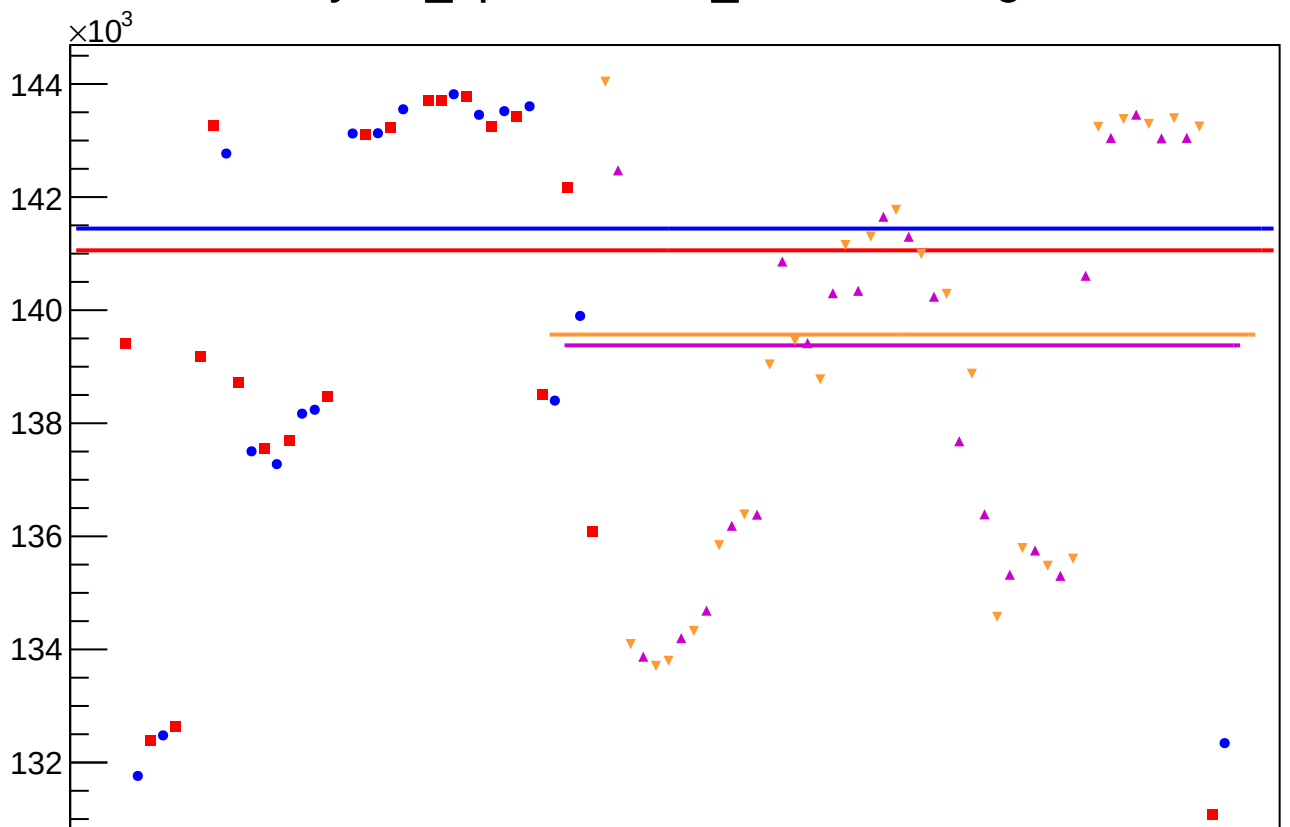
Right Out: 165.958+/-0.045 χ^2/NDF: 1470288.5/19

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 204.055+/-0.029 χ^2/NDF: 2537252.7/41

All: 200.990+/-0.020 χ^2/NDF: 5690944.0/84

- sign 197.999+/-0.029 χ^2/NDF: 3131508.1/42



Right In: 141443.139+/-0.100 χ^2/NDF: 1034914503.7/16

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

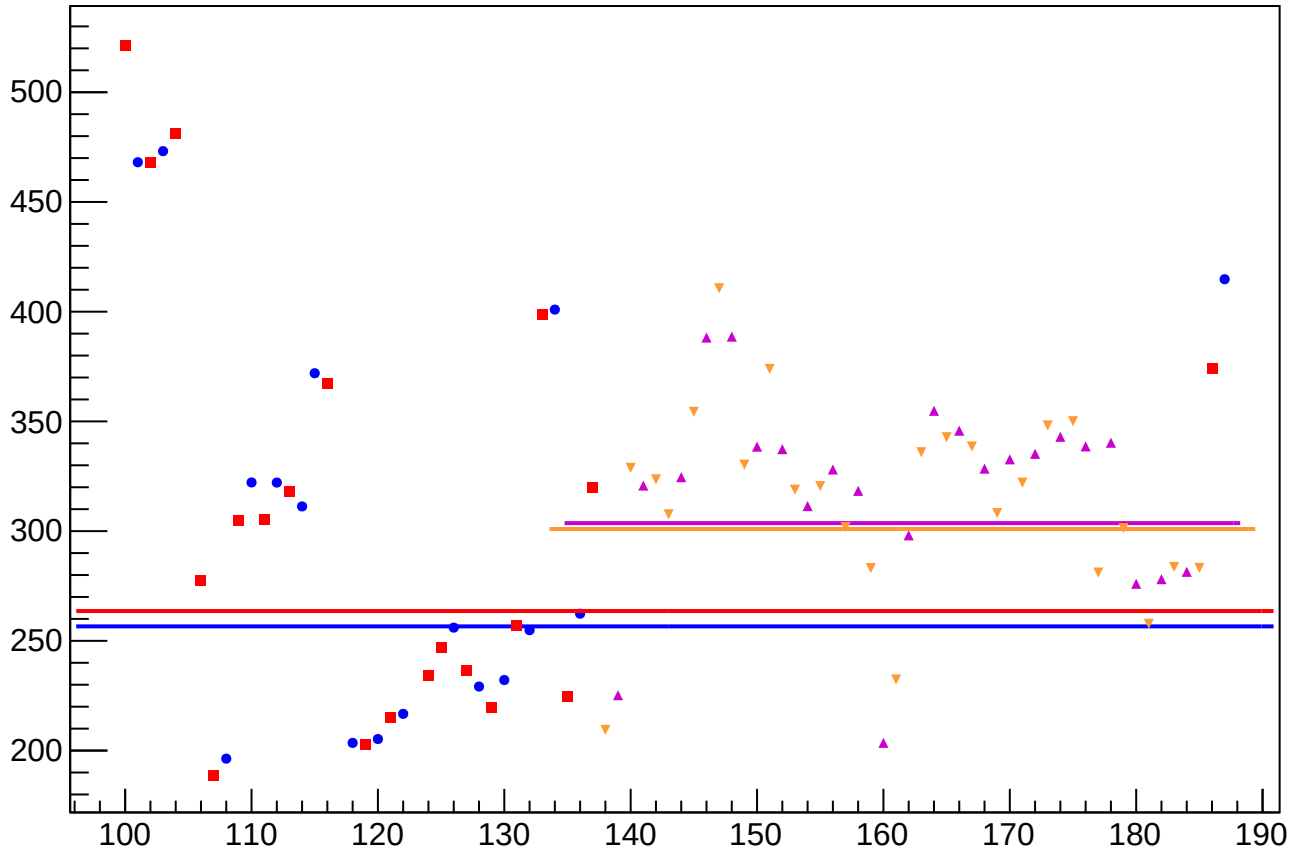
Right Out: 141058.266+/-0.100 χ^2/NDF: 1219650420.8/19

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 140183.142+/-0.057 χ^2/NDF: 3856402890.3

All: 140076.446+/-0.041 χ^2/NDF: 71898636

- sign 139964.320+/-0.059 χ^2/NDF: 3326377529.0/



Right In: 256.594+/-0.071 χ^2/NDF: 1002638.3/16

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

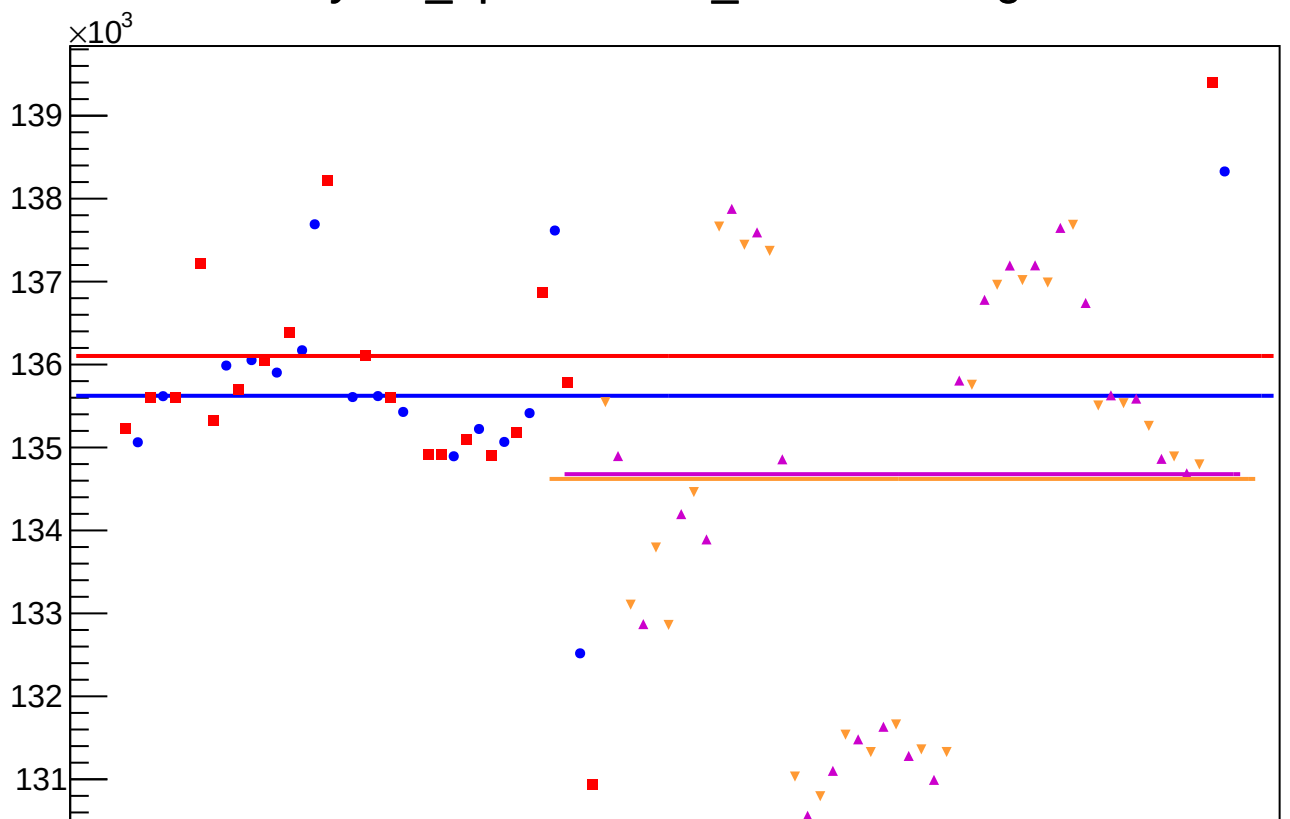
Right Out: 263.598+/-0.070 χ^2/NDF: 1065363.9/19

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 286.420+/-0.041 χ^2/NDF: 2142729.5/41

All: 288.006+/-0.029 χ^2/NDF: 4398020.4/84

- sign 289.673+/-0.042 χ^2/NDF: 2252160.5/42



Right In: 135623.397+/-0.117 χ^2/NDF: 106078144.2/16

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136103.363+/-0.104 χ^2/NDF: 137851369.9/19

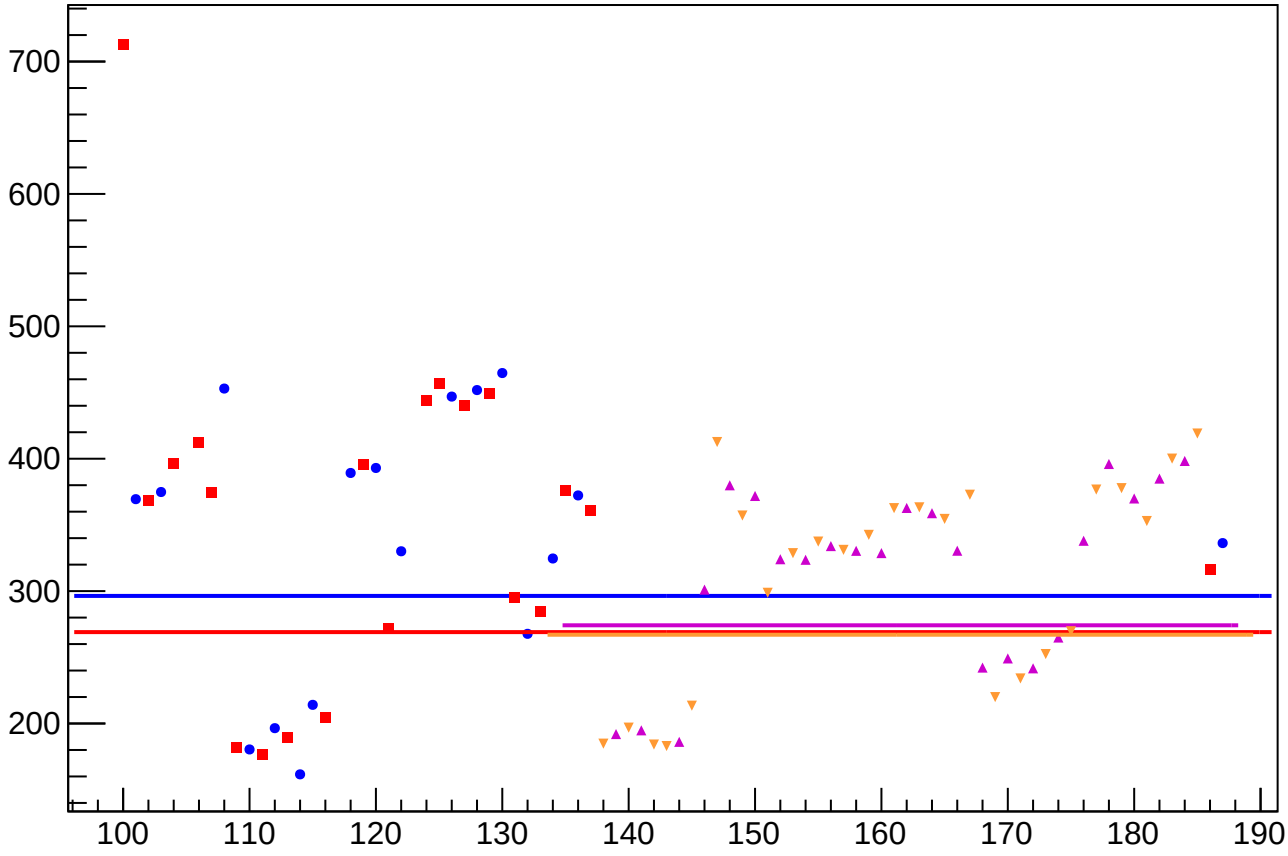
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134850.215+/-0.056 χ^2/NDF: 1364135128.3

All: 134972.283+/-0.040 χ^2/NDF: 2740643

- sign 135095.592+/-0.056 χ^2/NDF: 1366948535.5/

yield_bpm0r05WS_rms vs Slug



Right In: 296.372+/-0.083 χ^2/NDF: 1447717.0/16

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

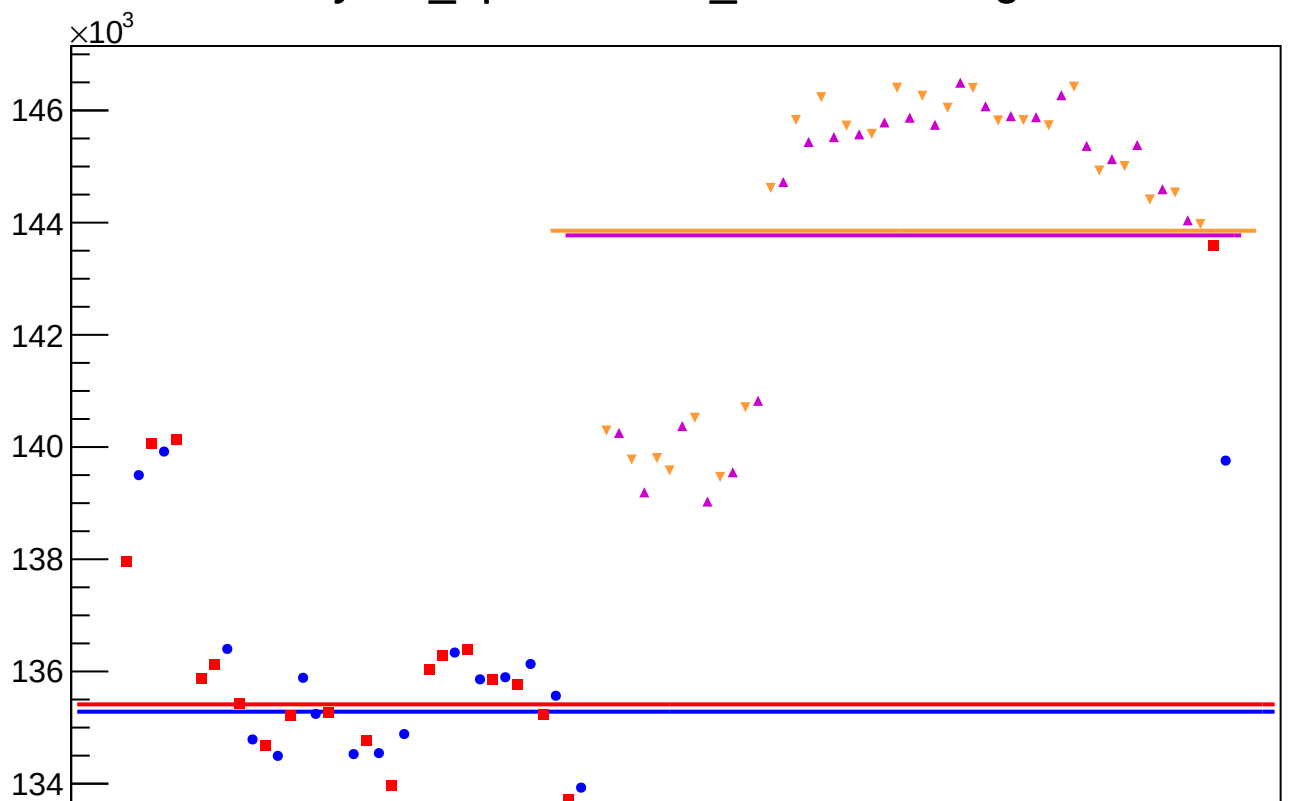
Right Out: 269.034+/-0.074 χ^2/NDF: 1696960.7/19

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 273.758+/-0.040 χ^2/NDF: 4387798.8/41

All: 273.217+/-0.028 χ^2/NDF: 8325350.5/84

- sign 272.671+/-0.040 χ^2/NDF: 3937177.0/42



Right In: 135283.324+/-0.054 χ^2/NDF: 444225890.6/16

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 135413.728+/-0.051 χ^2/NDF: 759208428.5/19

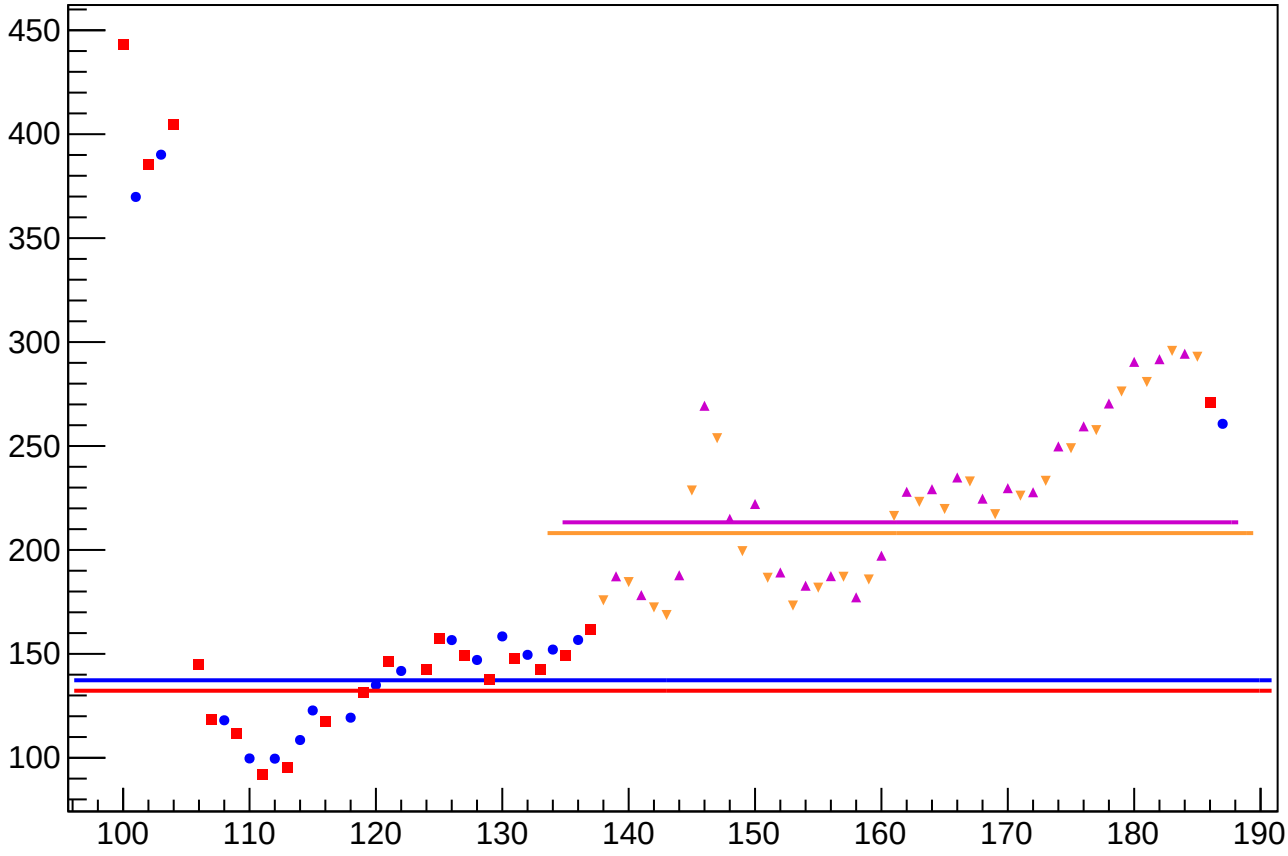
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 140081.503+/-0.036 χ^2/NDF: 17424360258.

All: 139855.772+/-0.026 χ^2/NDF: 34422016

- sign 139630.006+/-0.036 χ^2/NDF: 16919714697.6

yield_bpm0i02WS_rms vs Slug



Right In: 137.306+/-0.039 χ^2/NDF: 1468912.6/16

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

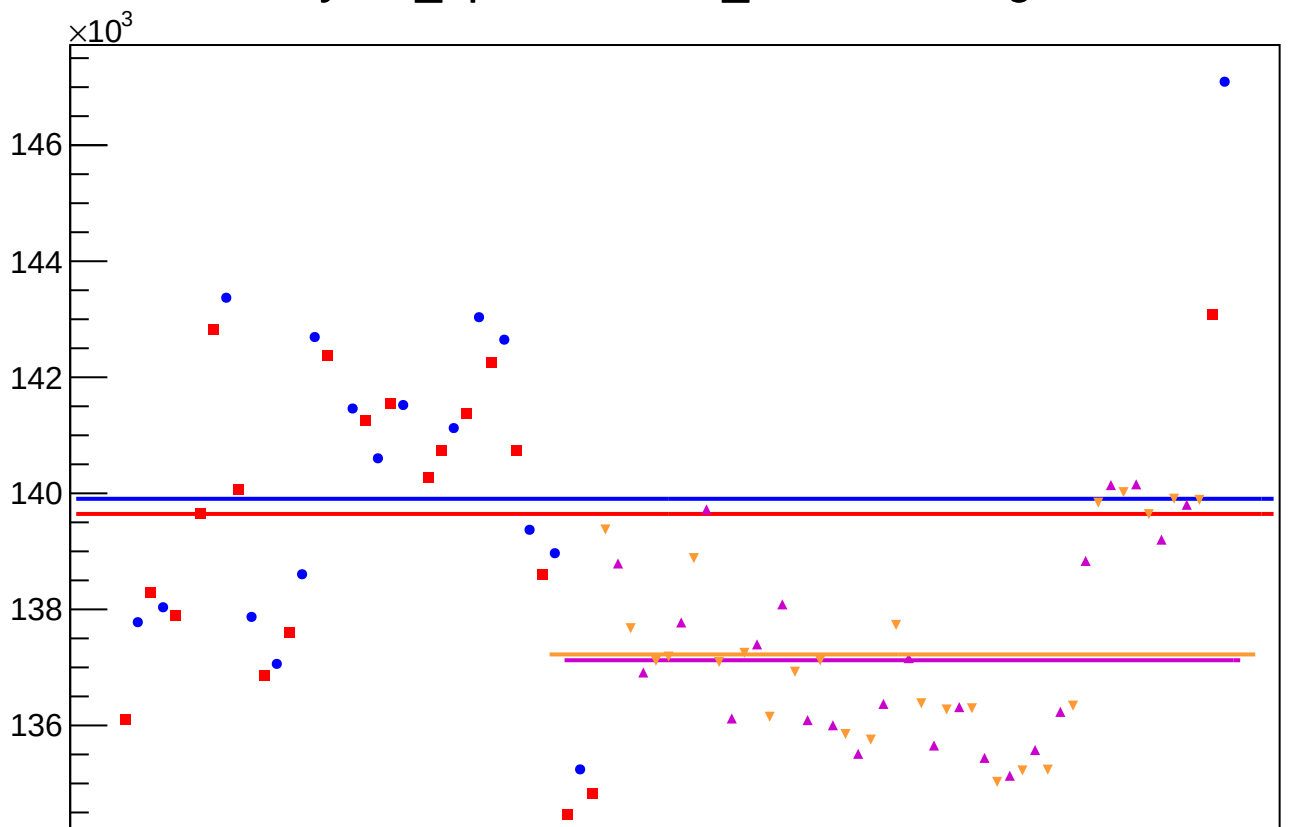
Right Out: 132.273+/-0.036 χ^2/NDF: 1738099.2/19

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 176.931+/-0.026 χ^2/NDF: 4350990.8/41

All: 175.033+/-0.018 χ^2/NDF: 9474729.0/84

- sign 173.135+/-0.026 χ^2/NDF: 5112722.2/42



Right In: 139905.897+/-0.062 χ^2/NDF: 1818878425.0/16

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 139645.064+/-0.059 χ^2/NDF: 1539010634.6/19

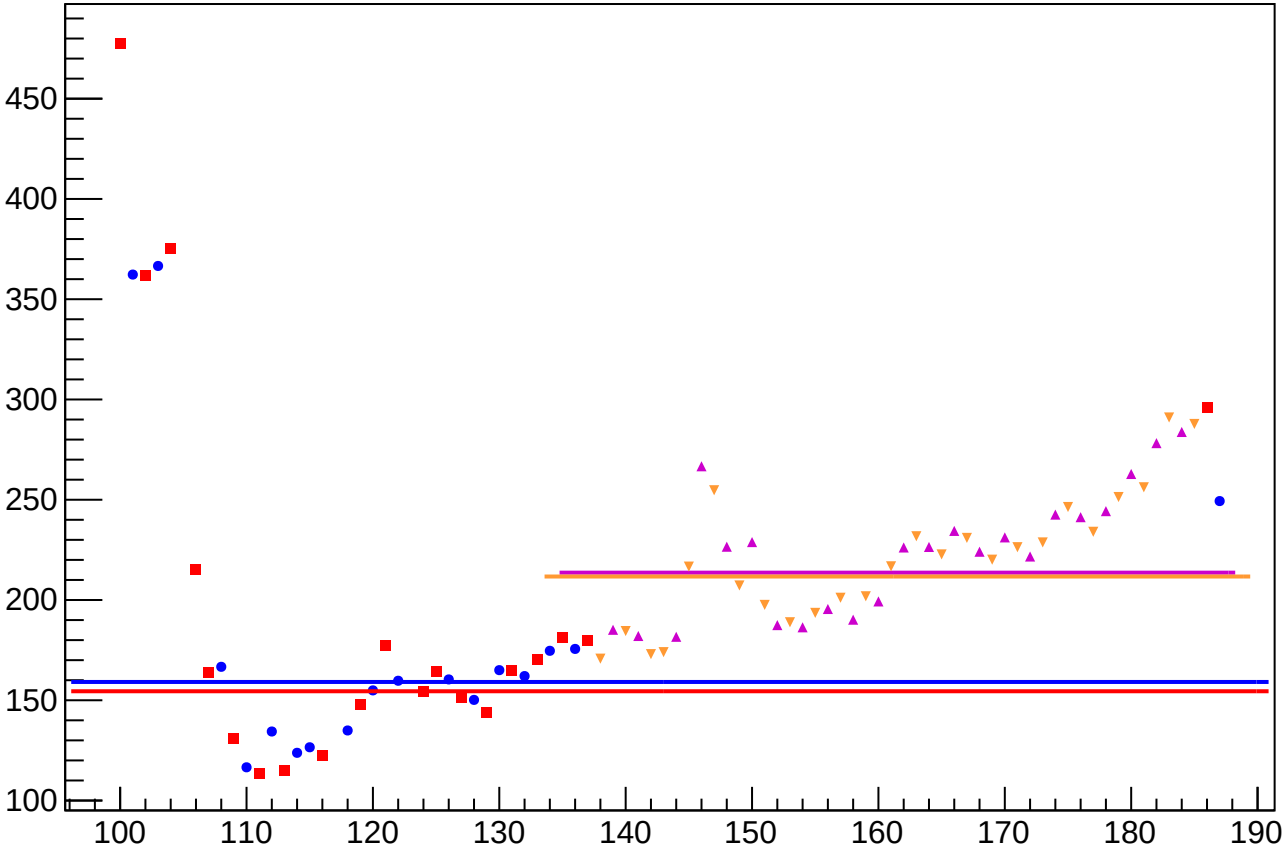
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138251.404+/-0.039 χ^2/NDF: 3859384293.1

All: 138223.125+/-0.027 χ^2/NDF: 73023303

- sign 138194.716+/-0.039 χ^2/NDF: 3441865645.8/

yield_bpm0i02aWS_rms vs Slug



Right In: 159.131+/-0.044 χ^2/NDF: 1066907.7/16

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

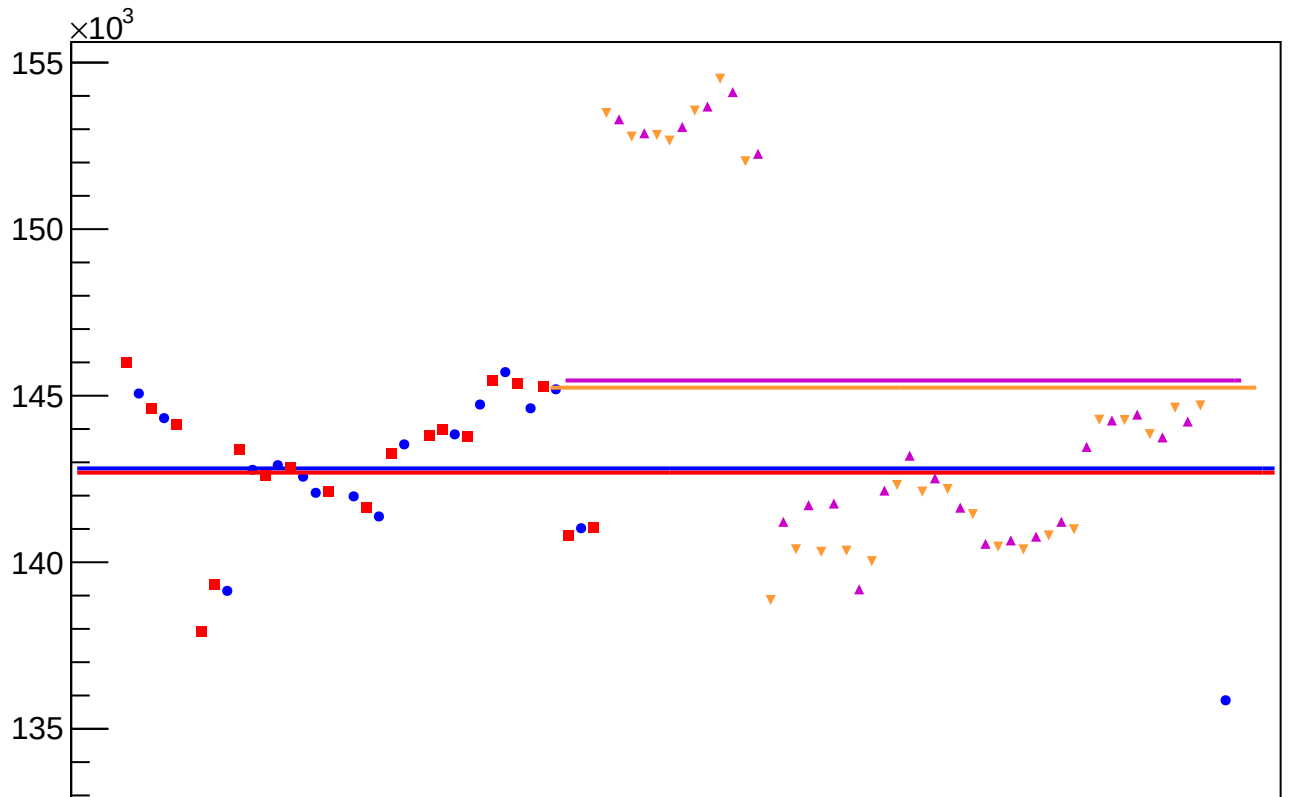
Right Out: 154.491+/-0.042 χ^2/NDF: 1418697.6/19

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 191.566+/-0.027 χ^2/NDF: 2623316.7/41

All: 190.043+/-0.019 χ^2/NDF: 5816656.5/84

- sign 188.513+/-0.027 χ^2/NDF: 3187075.1/42



Right In: 142816.518+/-0.065 χ^2/NDF: 882075001.3/16

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 142689.420+/-0.061 χ^2/NDF: 1460377496.8/19

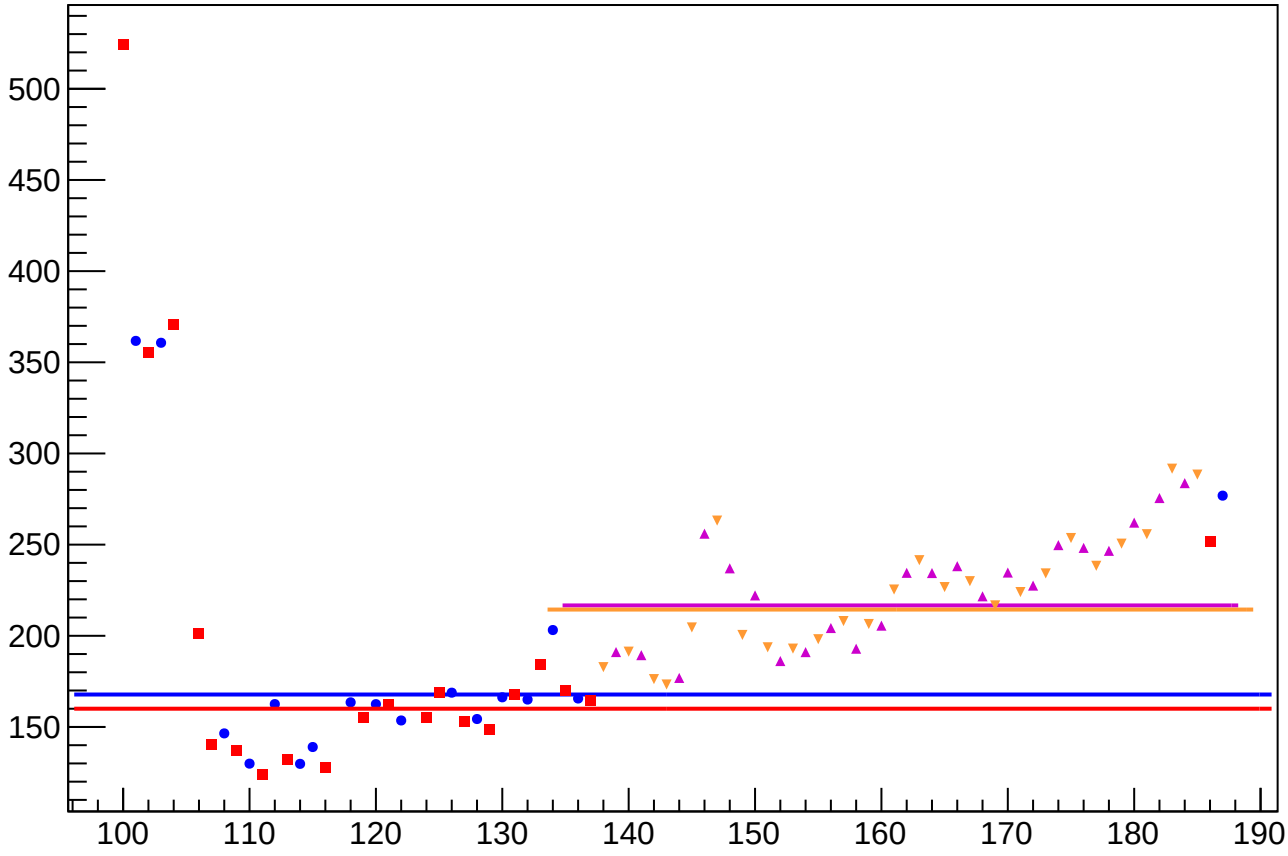
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 144355.091+/-0.040 χ^2/NDF: 14789192378.

All: 144326.835+/-0.028 χ^2/NDF: 28527978

- sign 144298.840+/-0.039 χ^2/NDF: 13737768420.

yield_bpm0i05WS_rms vs Slug



Right In: 167.798+/-0.046 χ^2/NDF: 921918.1/16

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

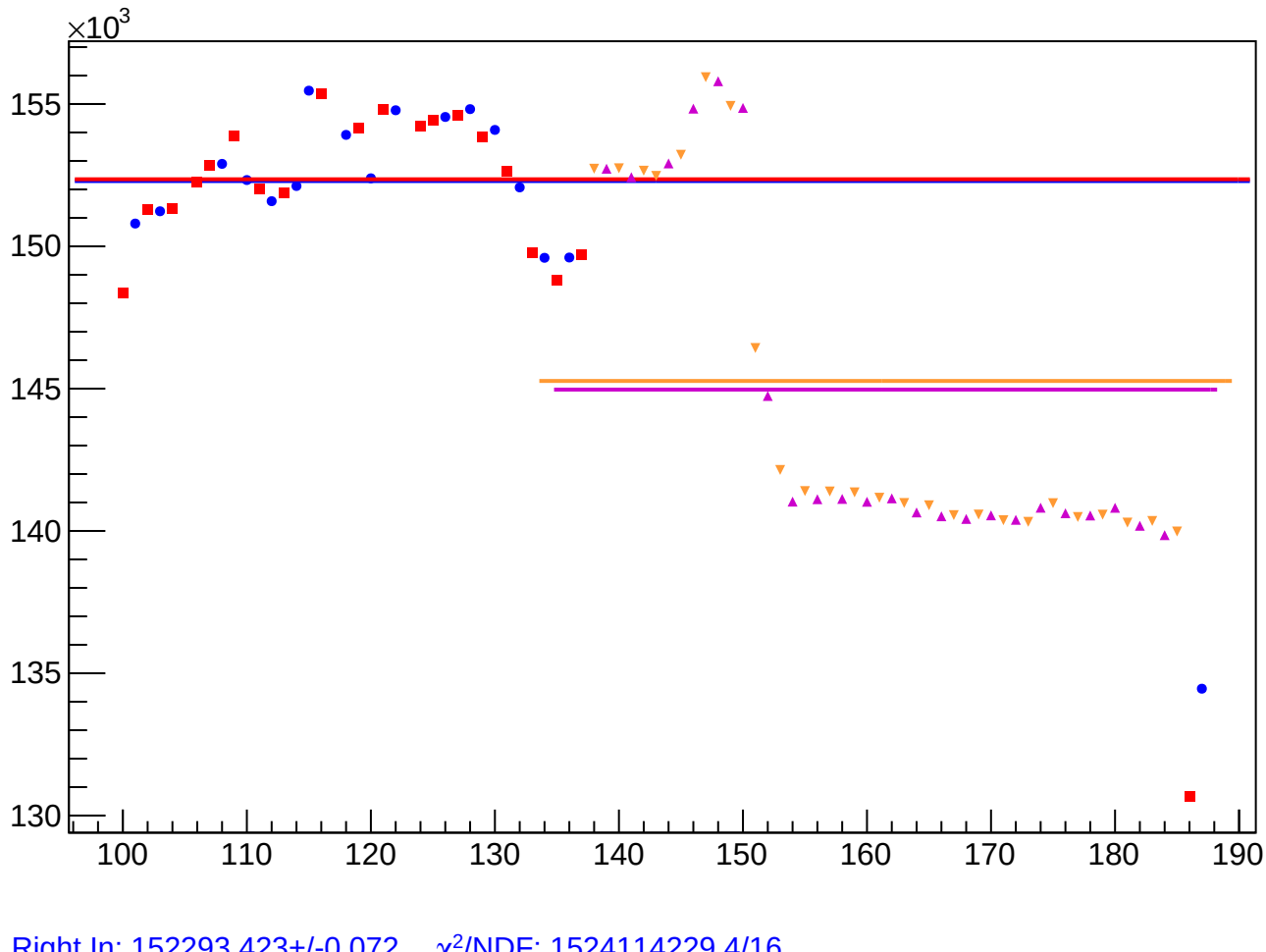
Right Out: 160.015+/-0.043 χ^2/NDF: 1131933.0/19

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 197.350+/-0.028 χ^2/NDF: 2210247.5/41

All: 195.143+/-0.020 χ^2/NDF: 4950829.8/84

- sign 192.956+/-0.028 χ^2/NDF: 2728161.1/42



Right In: 152293.423+/-0.072 χ^2/NDF: 1524114229.4/16

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 152355.845+/-0.066 χ^2/NDF: 3142546480.6/19

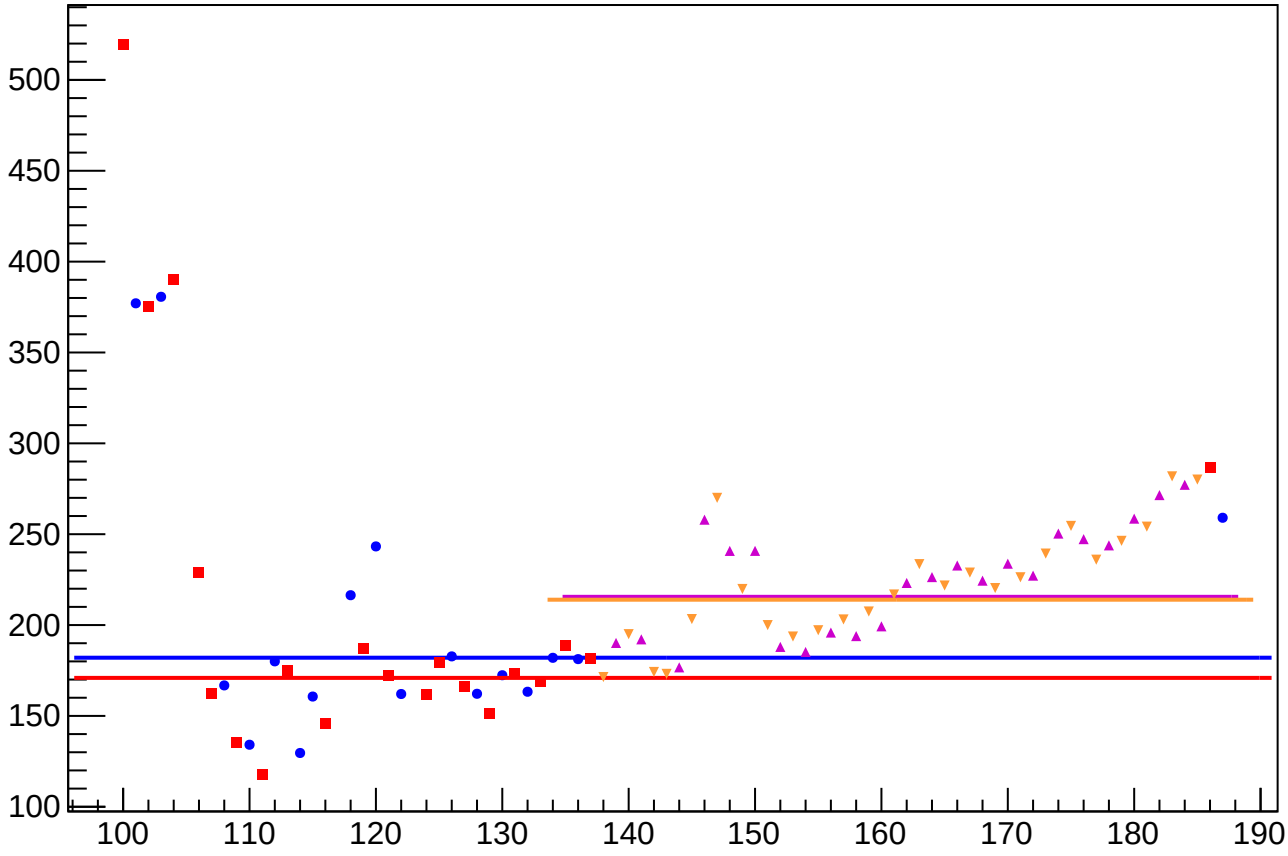
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign 147512.708+/-0.041 χ^2/NDF: 21688754935.4

All: 147630.492+/-0.029 χ^2/NDF: 45837877

- sign 147746.518+/-0.040 χ^2/NDF: 24132534972.9

yield_bpm0i07WS_rms vs Slug



Right In: 182.033+/-0.051 χ^2/NDF: 940181.3/16

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

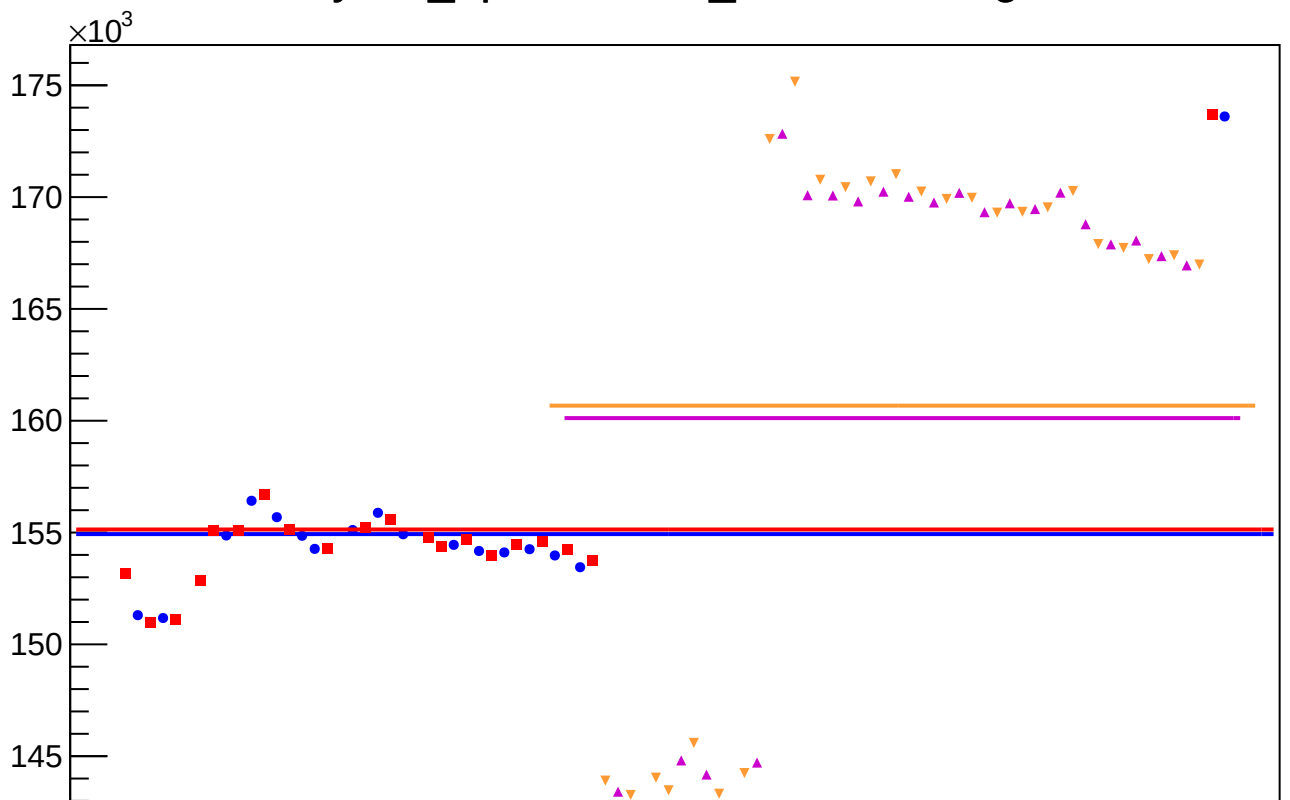
Right Out: 170.924+/-0.047 χ^2/NDF: 1226366.1/19

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 203.759+/-0.029 χ^2/NDF: 1857545.7/41

All: 201.237+/-0.020 χ^2/NDF: 4270937.6/84

- sign 198.753+/-0.029 χ^2/NDF: 2398188.3/42



Right In: 154930.386+/-0.065 χ^2/NDF: 1150216672.8/16

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 155136.799+/-0.061 χ^2/NDF: 2031631081.6/19

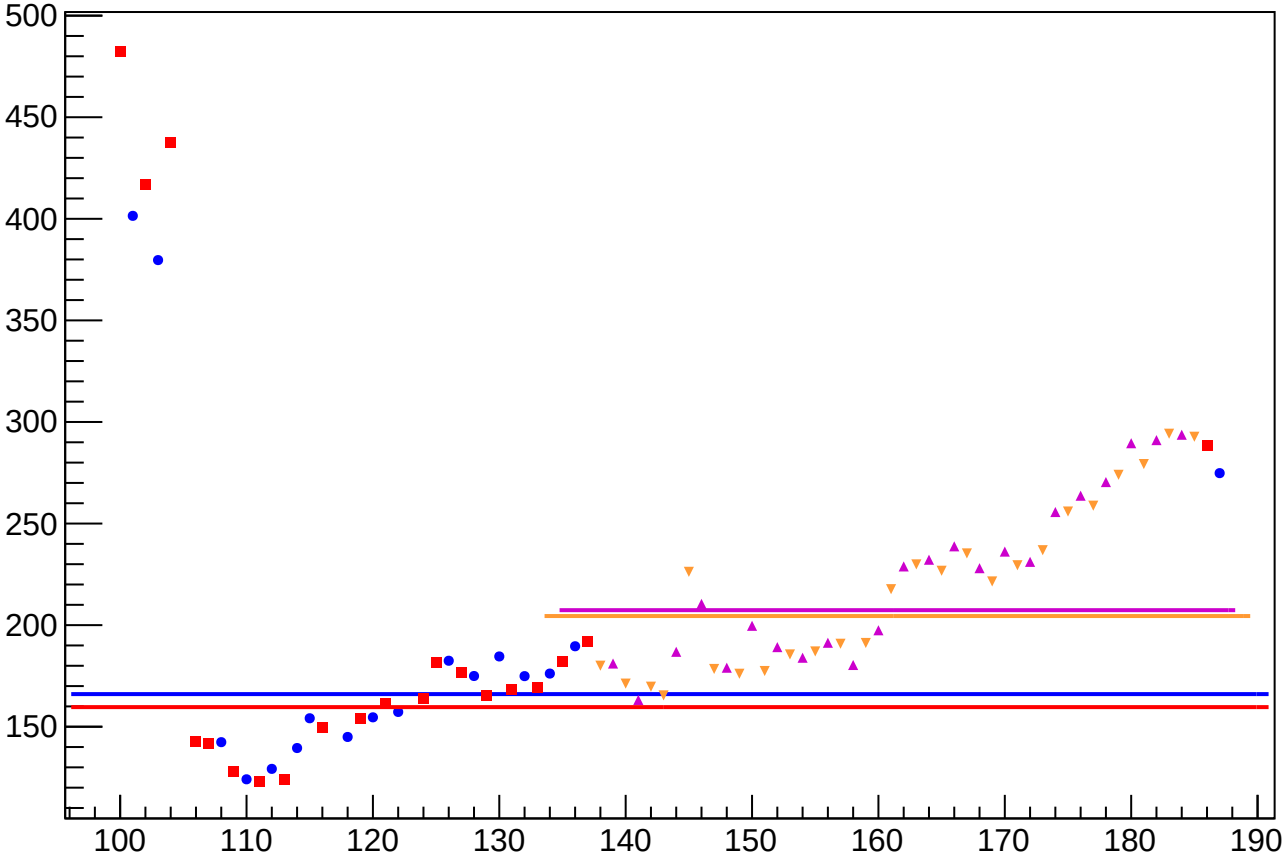
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 158675.159+/-0.038 χ^2/NDF: 80419859520.

All: 158400.427+/-0.027 χ^2/NDF: 15317329

- sign 158125.657+/-0.038 χ^2/NDF: 72650330128.4

yield_bpm1i02WS_rms vs Slug



Right In: 166.055+/-0.046 χ^2/NDF: 1132137.4/16

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

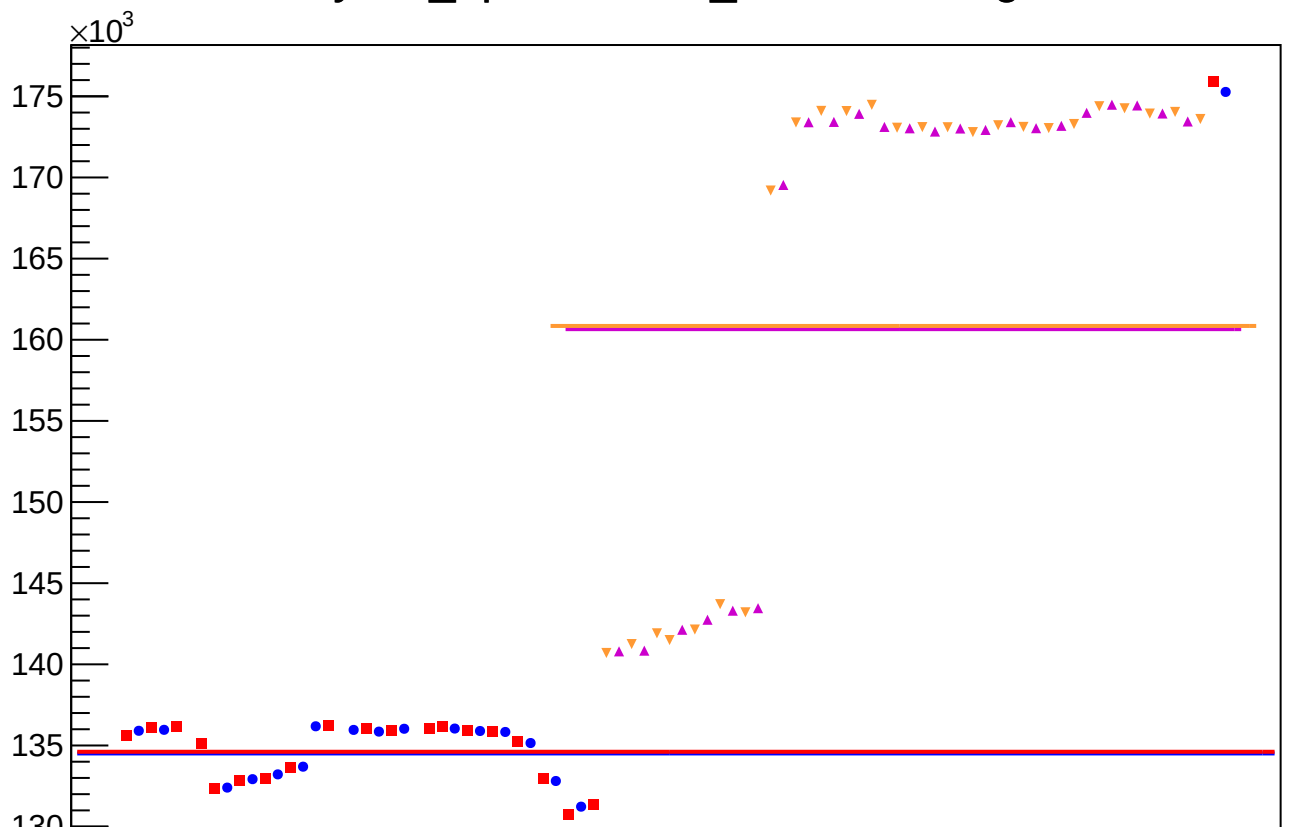
Right Out: 159.649+/-0.043 χ^2/NDF: 1421291.7/19

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 191.102+/-0.027 χ^2/NDF: 2662928.5/41

All: 189.693+/-0.019 χ^2/NDF: 5792650.1/84

- sign 188.285+/-0.027 χ^2/NDF: 3124303.9/42



Right In: 134509.384+/-0.051 χ^2/NDF: 4845090916.4/16

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 134613.017+/-0.048 χ^2/NDF: 8775994697.0/19

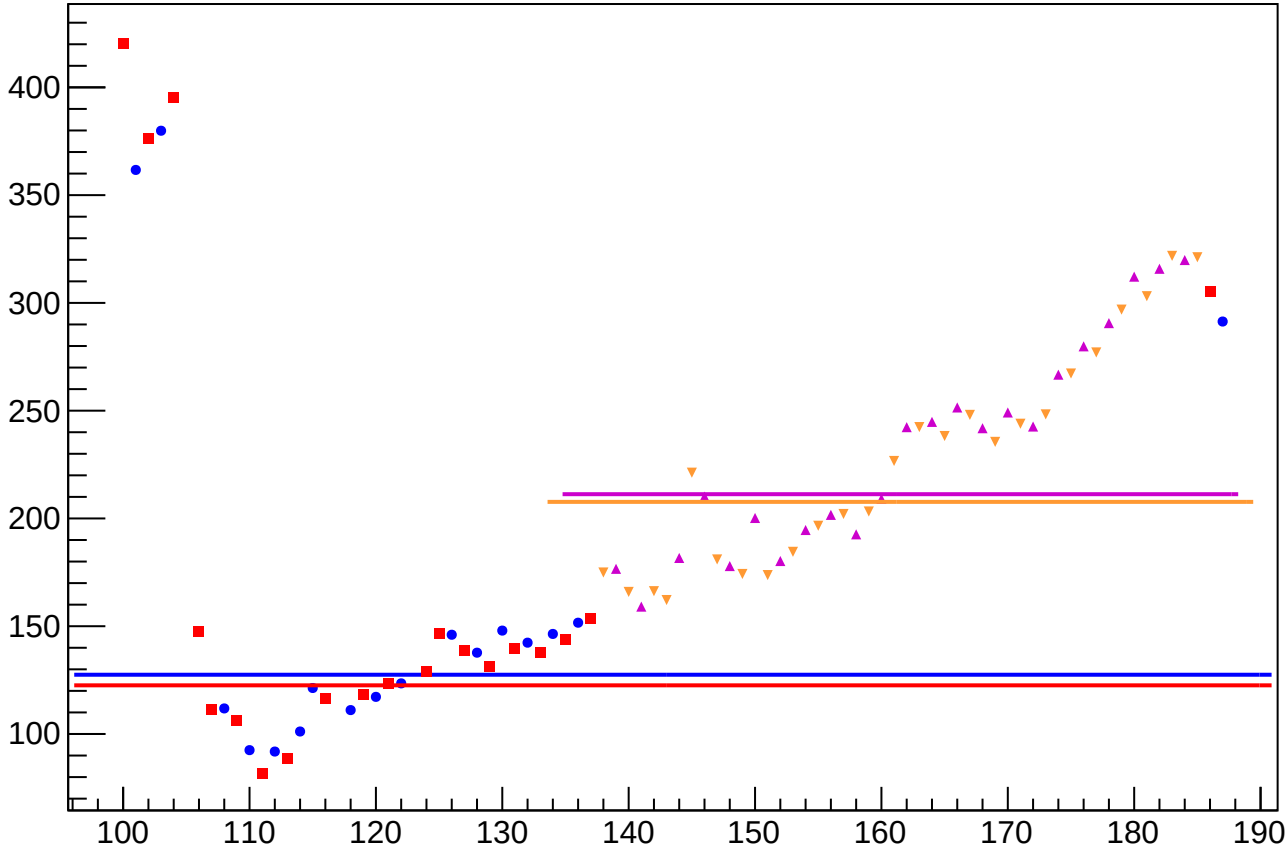
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 148278.217+/-0.035 χ^2/NDF: 24525577961

All: 147569.958+/-0.025 χ^2/NDF: 4851192

- sign 146873.367+/-0.035 χ^2/NDF: 239051835535

yield_bpm1i04WS_rms vs Slug



Right In: 127.489+/-0.036 χ^2/NDF: 1597103.8/16

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 122.573+/-0.034 χ^2/NDF: 1929728.7/19

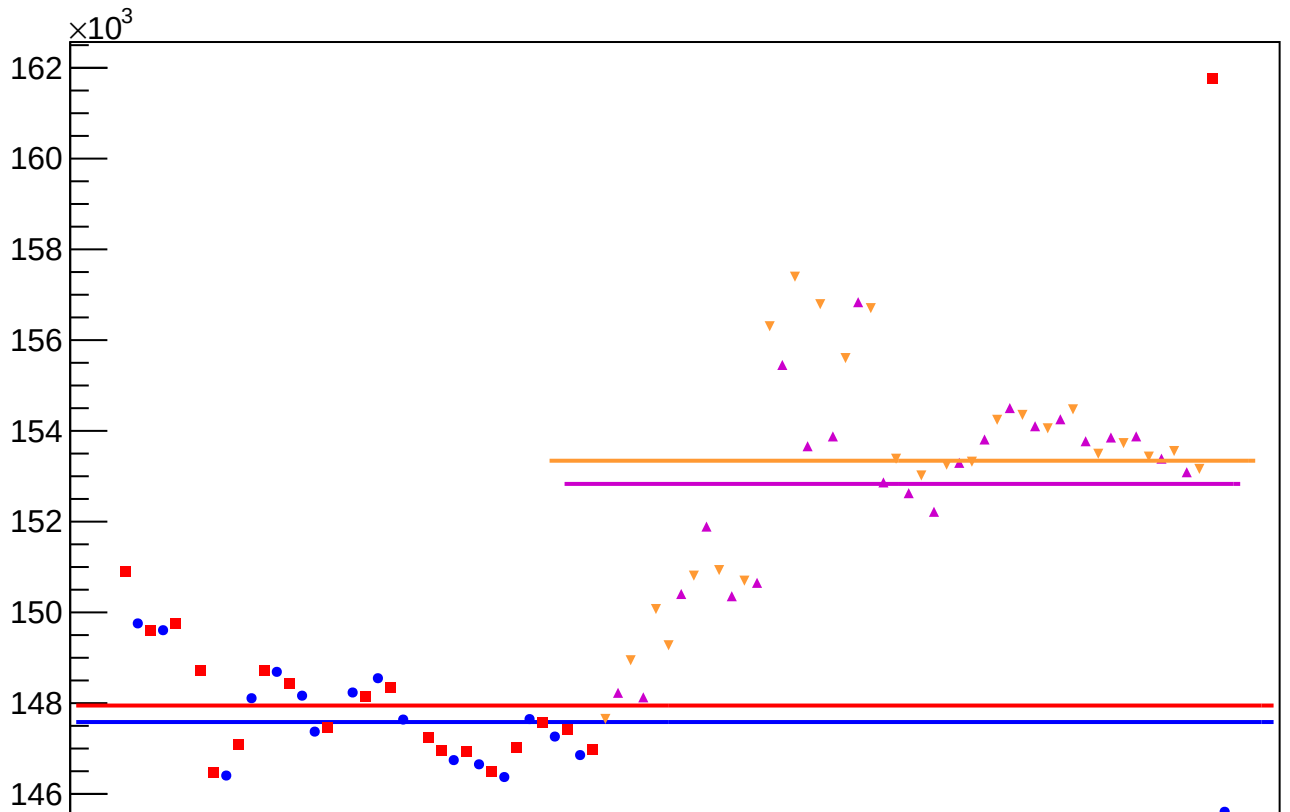
Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 169.410+/-0.025 χ^2/NDF: 5715718.6/41

All: 166.846+/-0.017 χ^2/NDF: 12222490.4/84

- sign 164.325+/-0.025 χ^2/NDF: 6485508.3/42

yield_bpm1i06WS_mean vs Slug



Right In: 147583.924+/-0.062 χ^2/NDF: 211617498.6/16

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 147947.640+/-0.058 χ^2/NDF: 1083913025.8/19

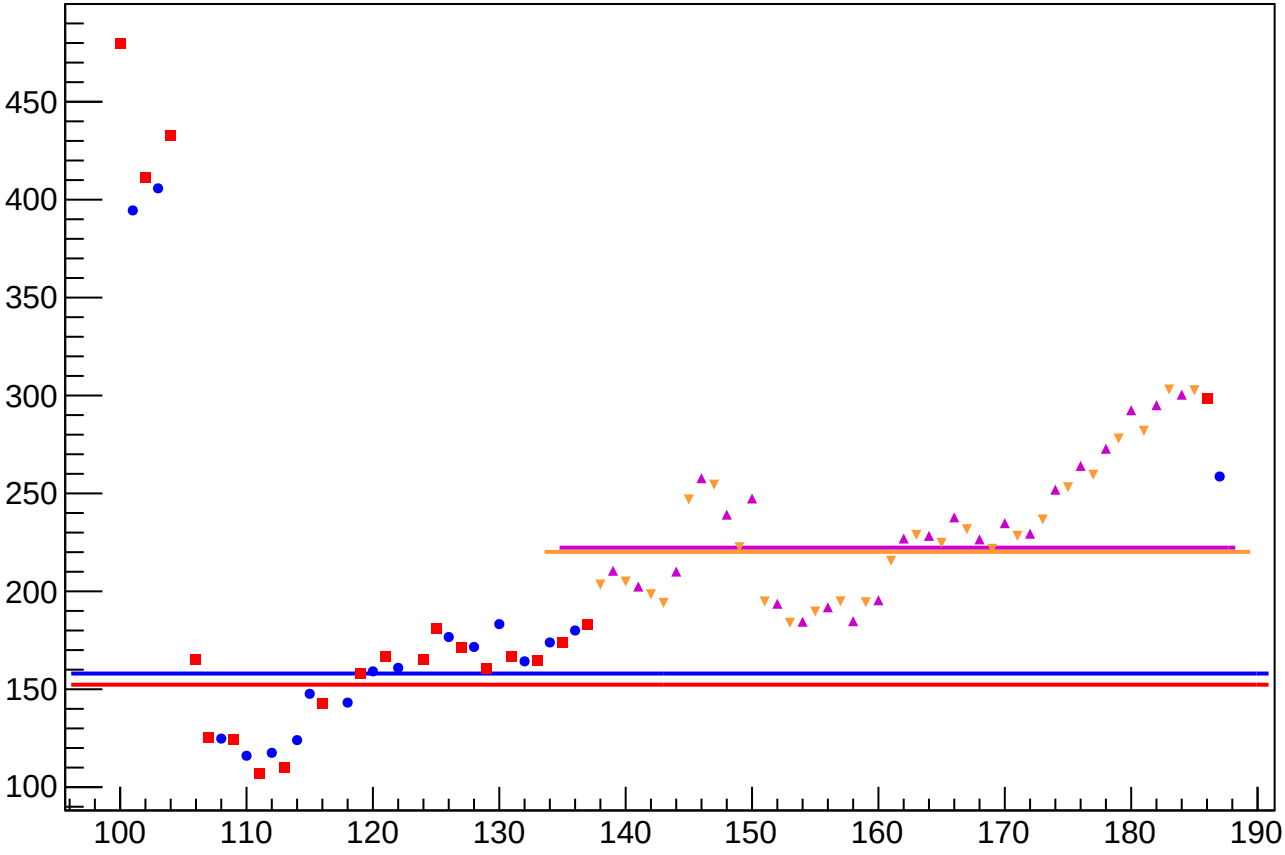
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 151035.372+/-0.039 χ^2/NDF: 8338424347.9

All: 150835.807+/-0.028 χ^2/NDF: 15231036

- sign 150637.683+/-0.039 χ^2/NDF: 6841301385.9/

yield_bpm1i06WS_rms vs Slug



Right In: 158.030+/-0.044 χ^2/NDF: 1323253.4/16

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

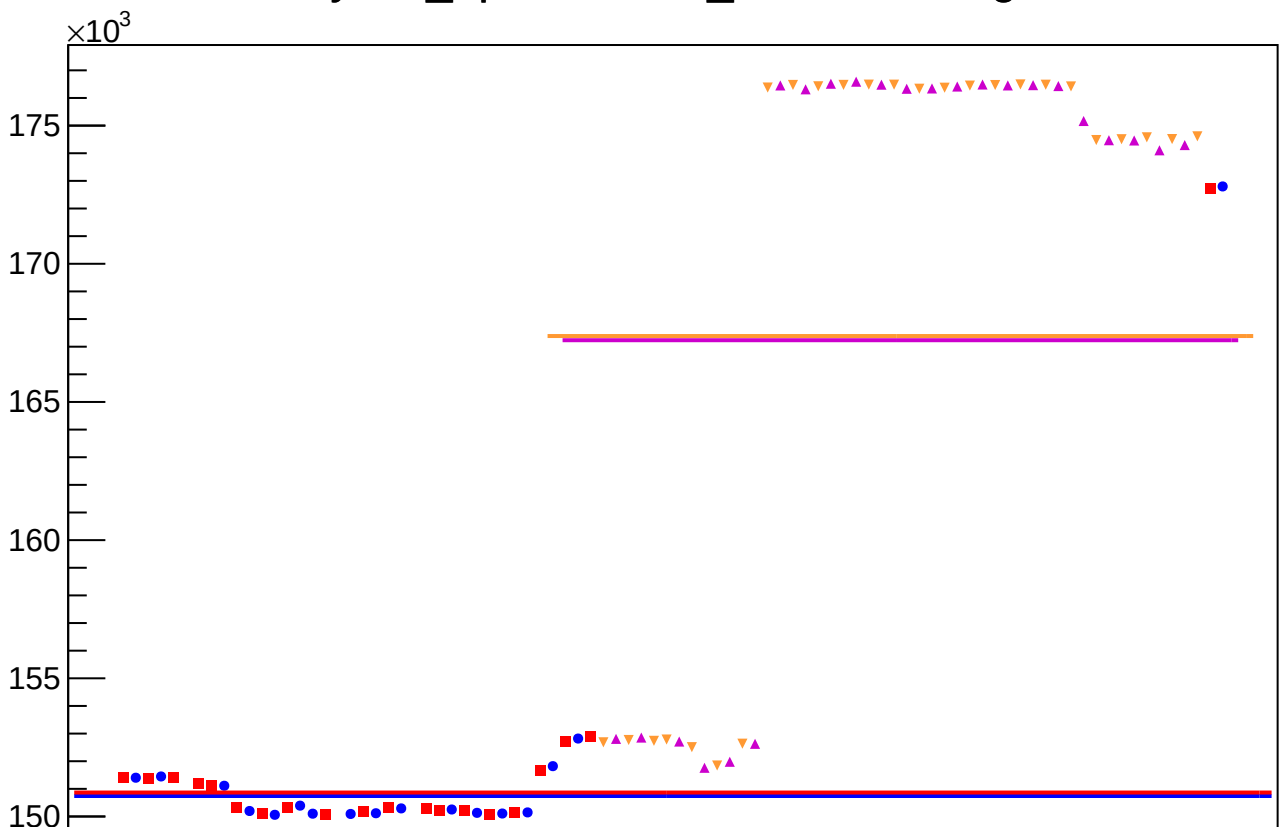
Right Out: 152.325+/-0.041 χ^2/NDF: 1653458.6/19

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 195.266+/-0.028 χ^2/NDF: 3207227.4/41

All: 193.060+/-0.020 χ^2/NDF: 7148915.0/84

- sign 190.870+/-0.028 χ^2/NDF: 3929152.6/42



Right In: 150741.657+/-0.054 χ^2/NDF: 1526841817.7/16

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 150866.861+/-0.051 χ^2/NDF: 2800684535.7/19

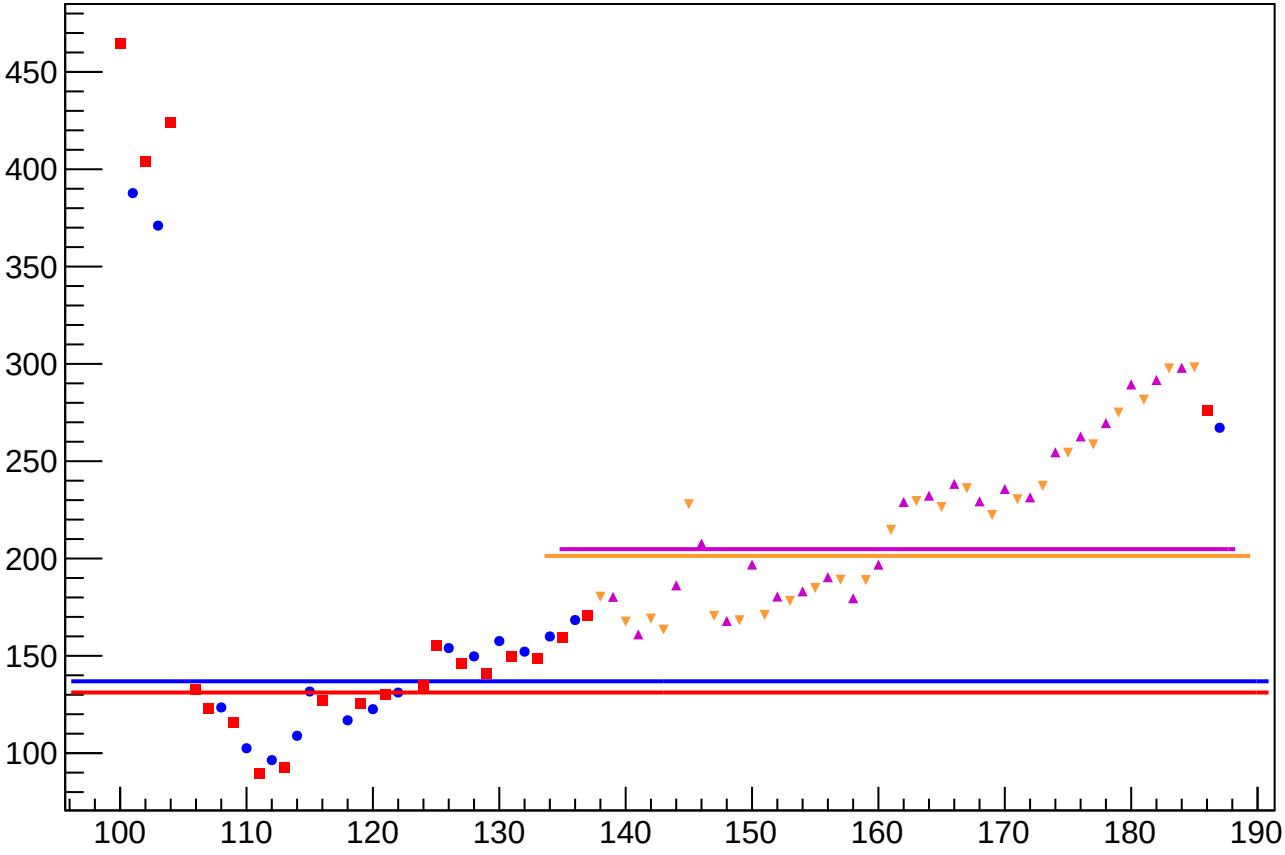
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 160317.887+/-0.035 χ^2/NDF: 114992029032

All: 159824.918+/-0.025 χ^2/NDF: 22737669

- sign 159339.866+/-0.035 χ^2/NDF: 112000972598

yield_bpm2i01WS_rms vs Slug



Right In: 136.918+/-0.038 χ^2/NDF: 1506282.4/16

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

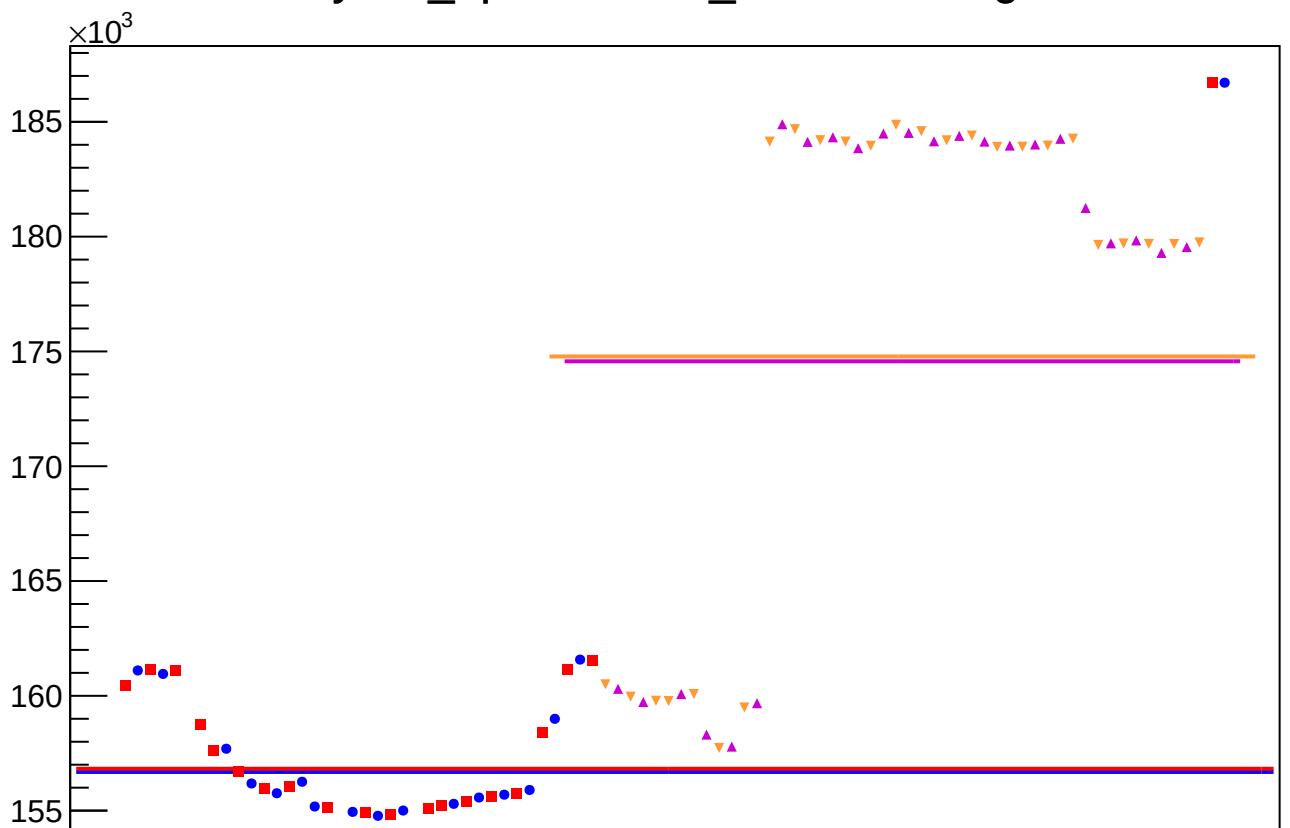
Right Out: 131.156+/-0.036 χ^2/NDF: 1843682.2/19

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 173.977+/-0.025 χ^2/NDF: 4350280.4/41

All: 171.616+/-0.018 χ^2/NDF: 9456765.4/84

- sign 169.293+/-0.025 χ^2/NDF: 5088883.4/42



Right In: 156685.534+/-0.057 χ^2/NDF: 3229913915.1/16

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 156823.047+/-0.053 χ^2/NDF: 4984295295.3/19

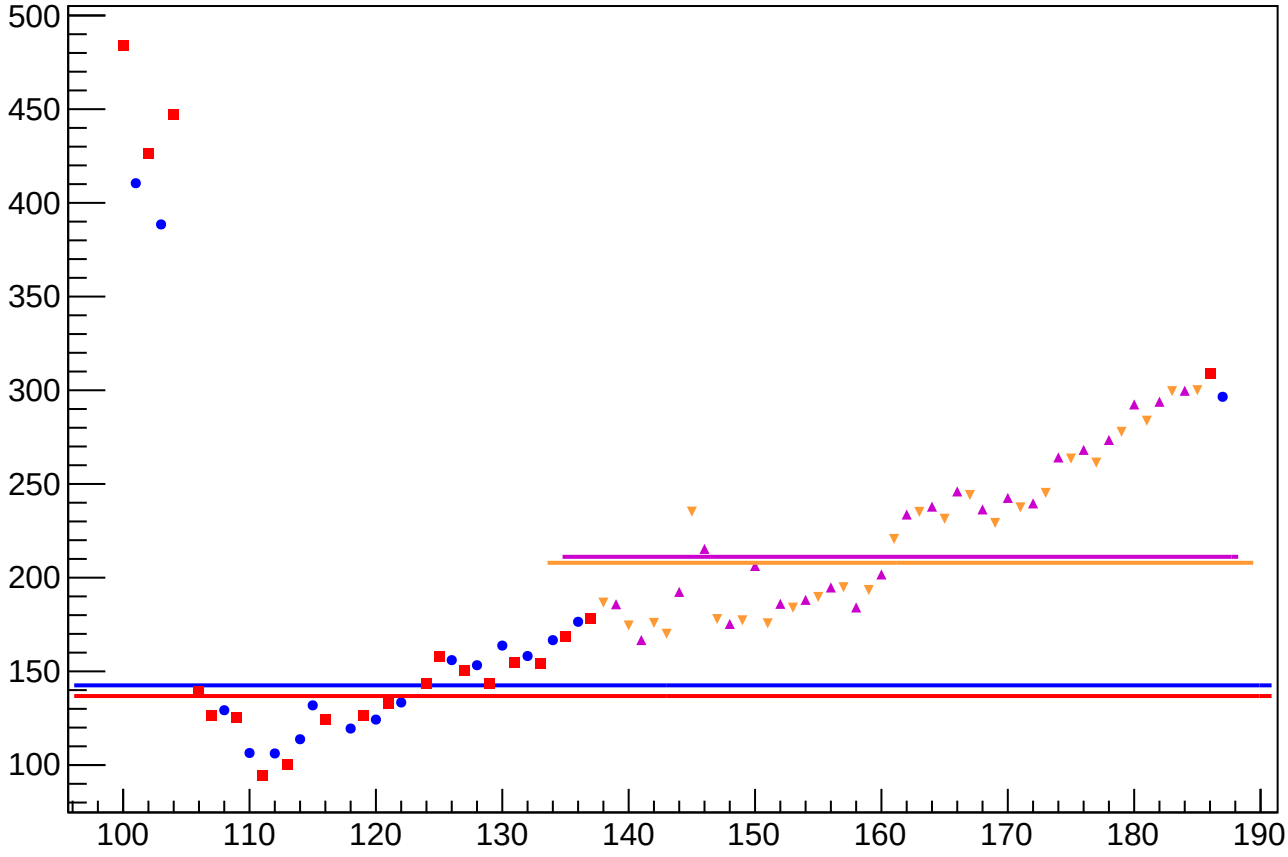
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 167176.084+/-0.037 χ^2/NDF: 12057823927

All: 166644.938+/-0.026 χ^2/NDF: 2399134

- sign 166121.566+/-0.036 χ^2/NDF: 11891948520

yield_bpm2i02WS_rms vs Slug



Right In: 142.533+/-0.040 χ^2/NDF: 1494047.3/16

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 136.836+/-0.037 χ^2/NDF: 1837425.9/19

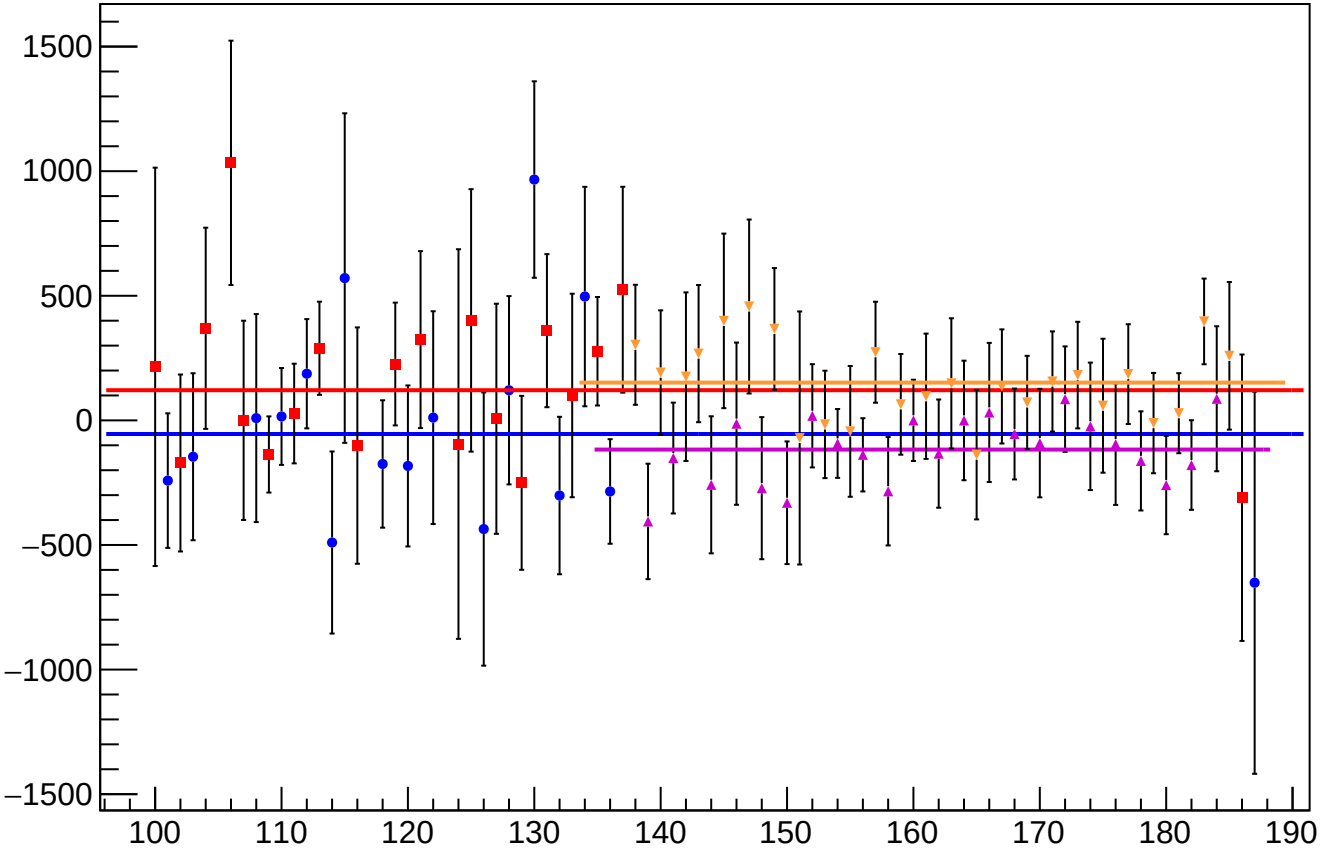
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 180.452+/-0.026 χ^2/NDF: 4173519.0/41

All: 178.091+/-0.018 χ^2/NDF: 9095437.6/84

- sign 175.764+/-0.026 χ^2/NDF: 4905486.2/42

asym_bcm_target_mean vs Slug



Right In: -54.703+/-76.213 χ^2/NDF: 16.0/16

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 121.116+/-68.024 χ^2/NDF: 13.4/19

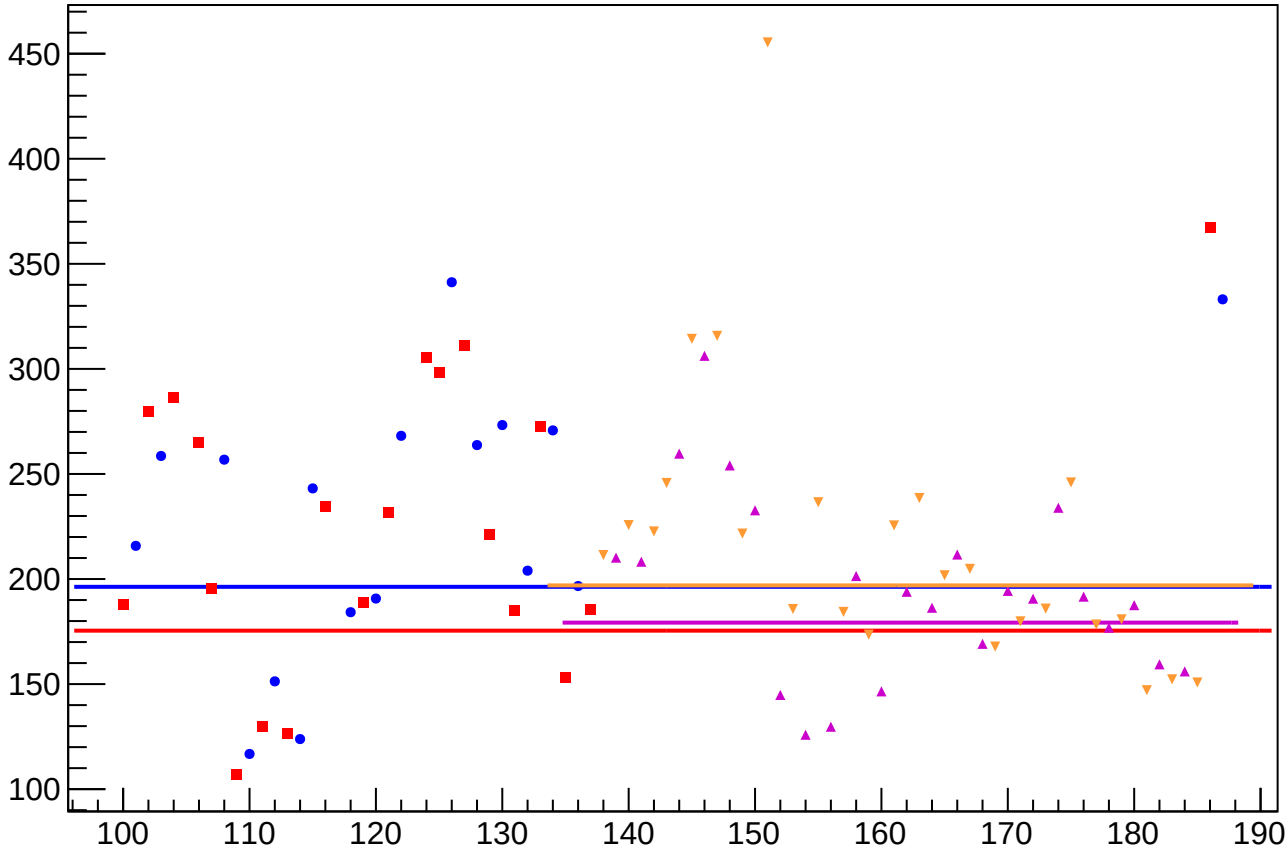
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 95.775+/-39.644 χ^2/NDF: 31.0/41

All: 18.906+/-26.976 χ^2/NDF: 67.6/84

- sign -47.377+/-36.813 χ^2/NDF: 29.6/42

asym_bcm_target_rms vs Slug



Right In: 196.288+/-0.054 χ^2/NDF: 1093210.3/16

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 175.433+/-0.048 χ^2/NDF: 1857852.9/19

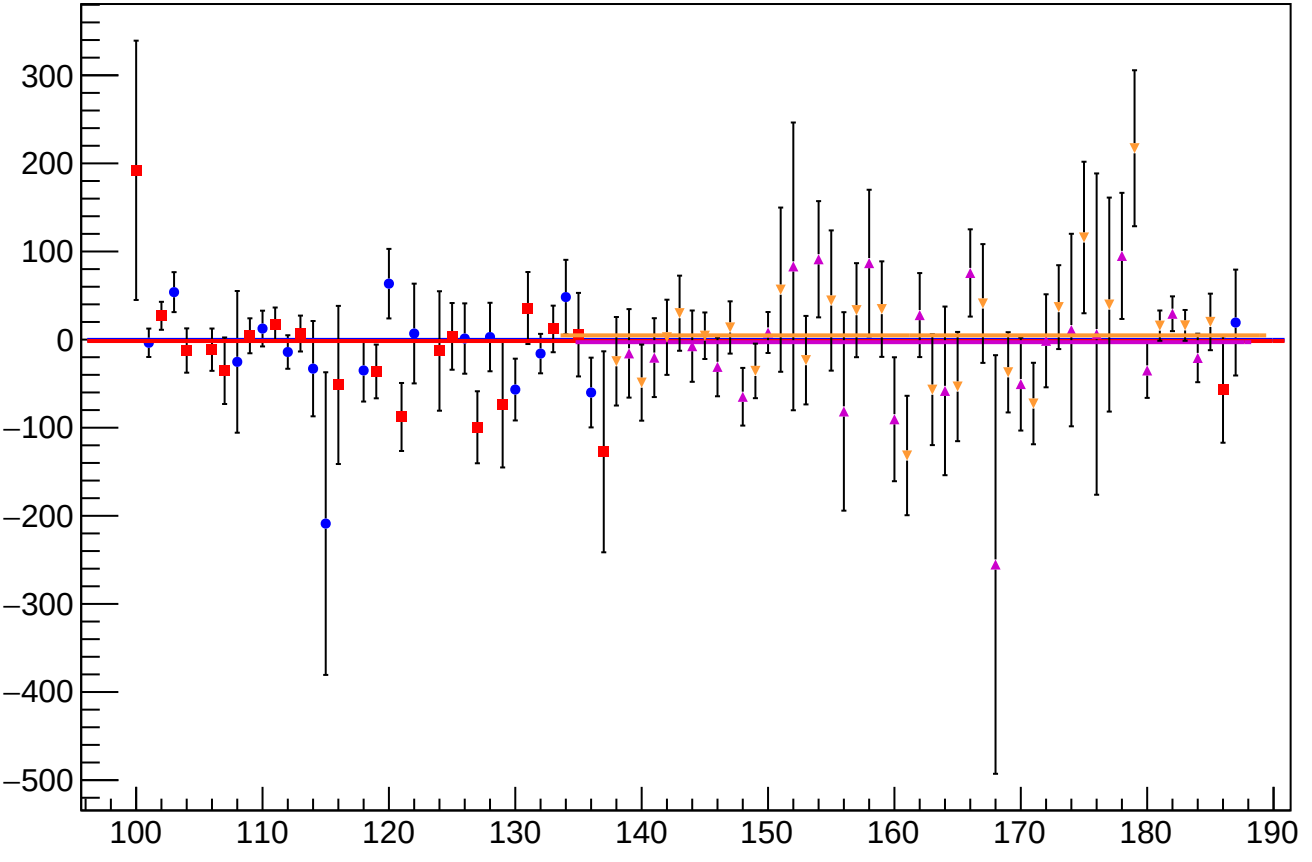
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 196.789+/-0.028 χ^2/NDF: 2902636.3/41

All: 186.773+/-0.019 χ^2/NDF: 6658728.4/84

- sign 178.136+/-0.026 χ^2/NDF: 3518343.3/42

asym_bcm_an_diff_mean vs Slug



Right In: -0.330+/-7.286 χ^2/NDF: 19.0/16

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -1.629+/-6.725 χ^2/NDF: 23.9/19

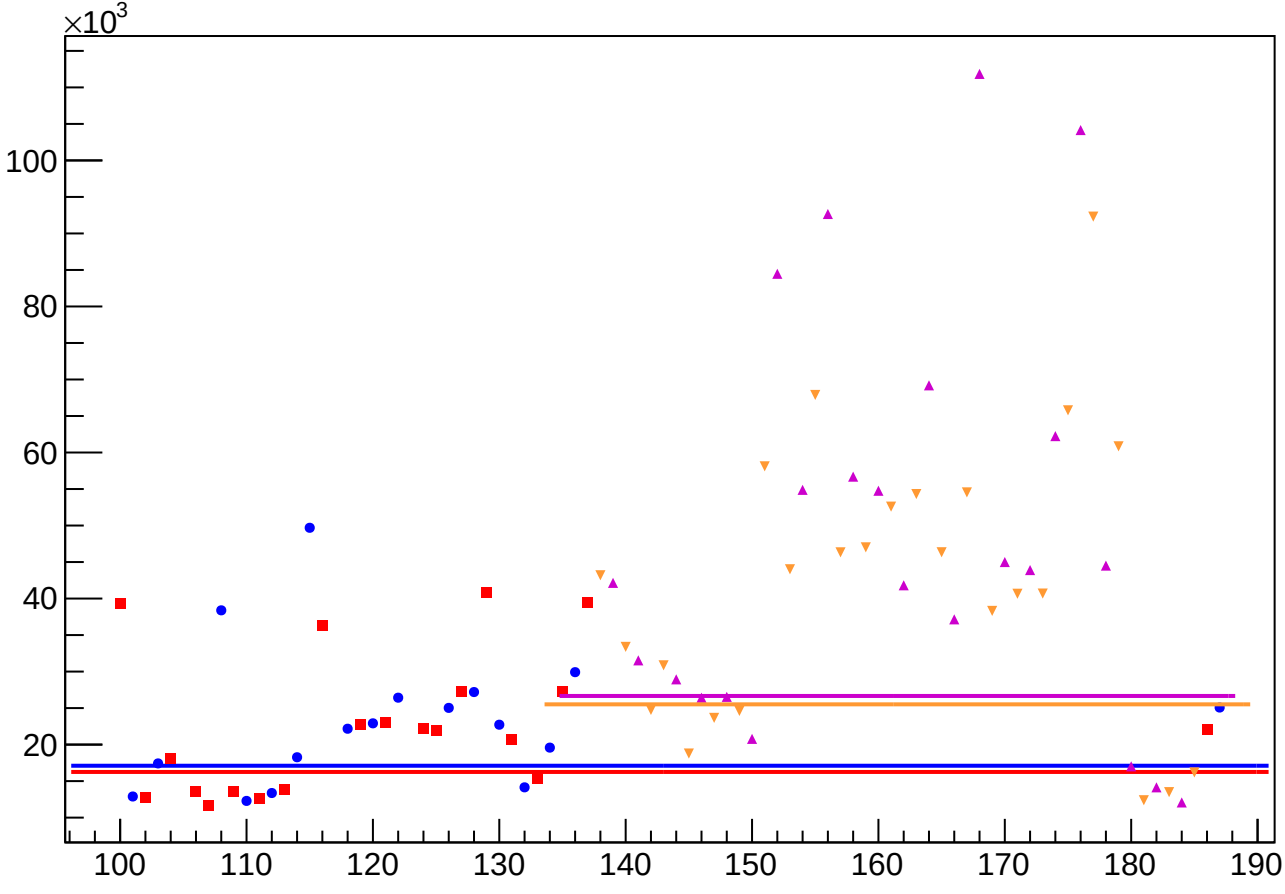
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 2.128+/-5.260 χ^2/NDF: 43.6/41

All: 0.050+/-3.752 χ^2/NDF: 89.3/84

- sign -2.102+/-5.352 χ^2/NDF: 45.4/42

asym_bcm_an_diff_rms vs Slug



Right In: 17105.353+/-5.152 χ^2/NDF: 1229811.7/16

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 16254.299+/-4.755 χ^2/NDF: 1269929.4/19

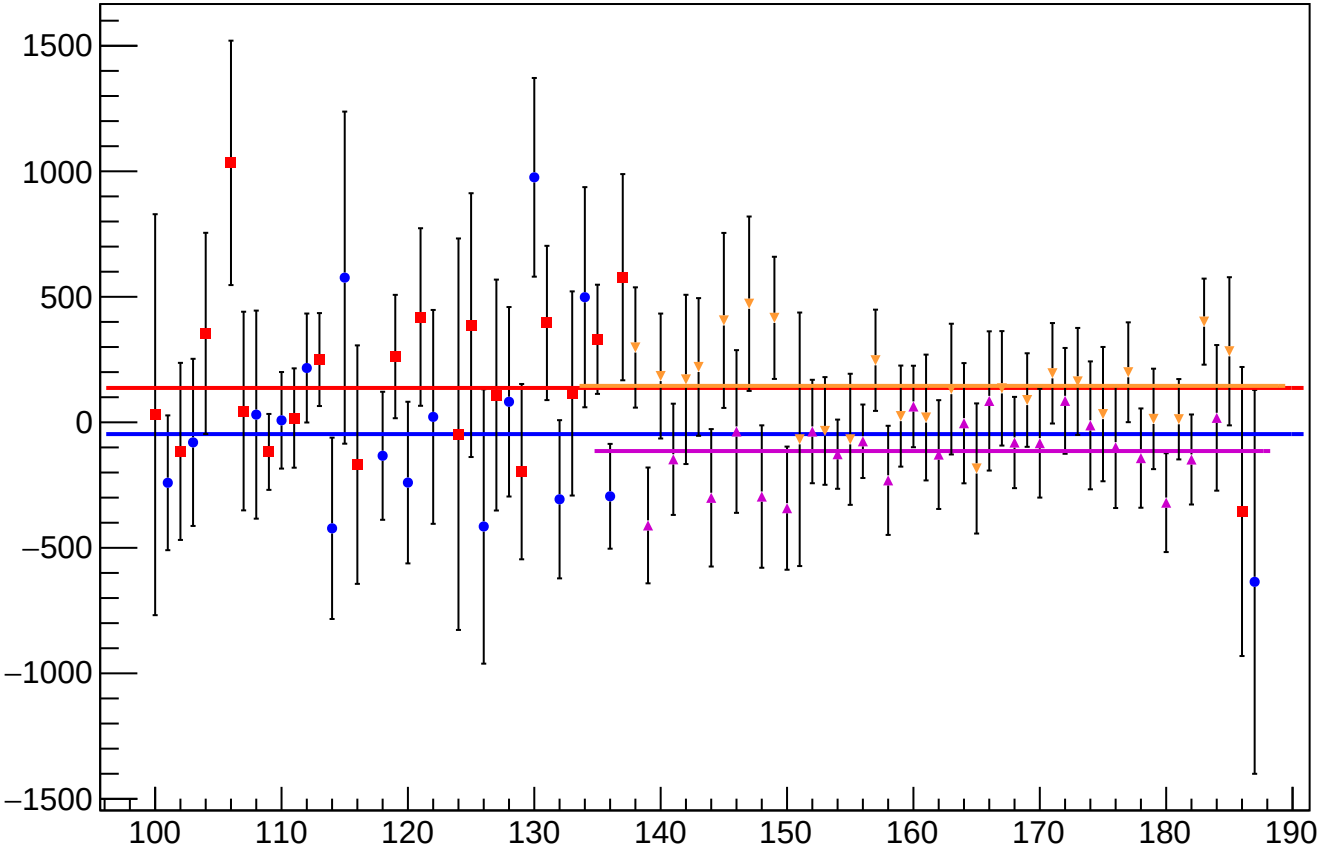
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21131.224+/-3.719 χ^2/NDF: 10247527.5/41

All: 20609.335+/-2.653 χ^2/NDF: 19196303.9

- sign 20068.949+/-3.785 χ^2/NDF: 8908699.4/42

asym_bcm_an_ds_mean vs Slug



Right In: -46.886+/-75.782 χ^2/NDF: 16.1/16

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 136.939+/-67.609 χ^2/NDF: 13.8/19

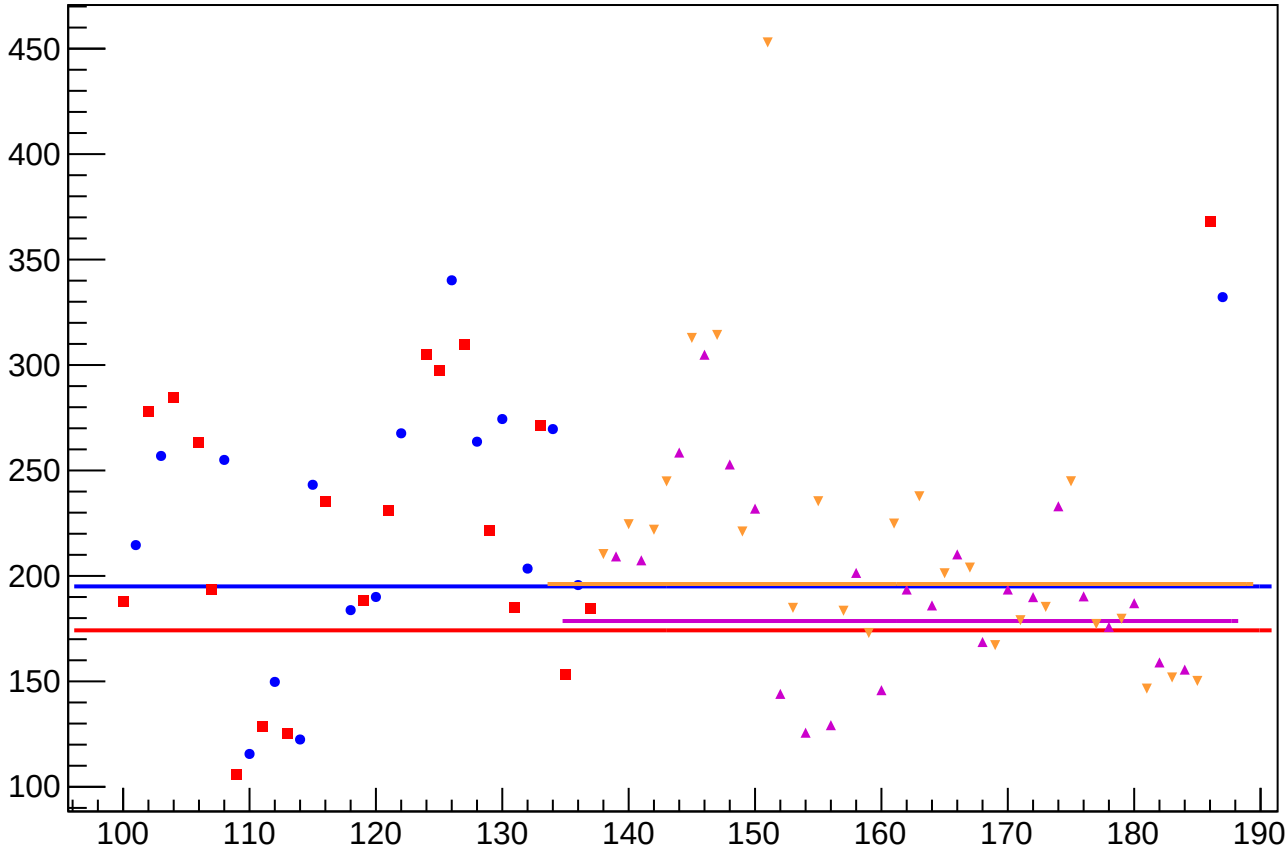
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign 93.090+/-39.463 χ^2/NDF: 32.0/41

All: 21.354+/-26.856 χ^2/NDF: 70.0/84

- sign -40.530+/-36.653 χ^2/NDF: 31.9/42

asym_bcm_an_ds_rms vs Slug



Right In: 195.031+/-0.054 χ^2/NDF: 1114754.9/16

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 174.196+/-0.048 χ^2/NDF: 1883204.5/19

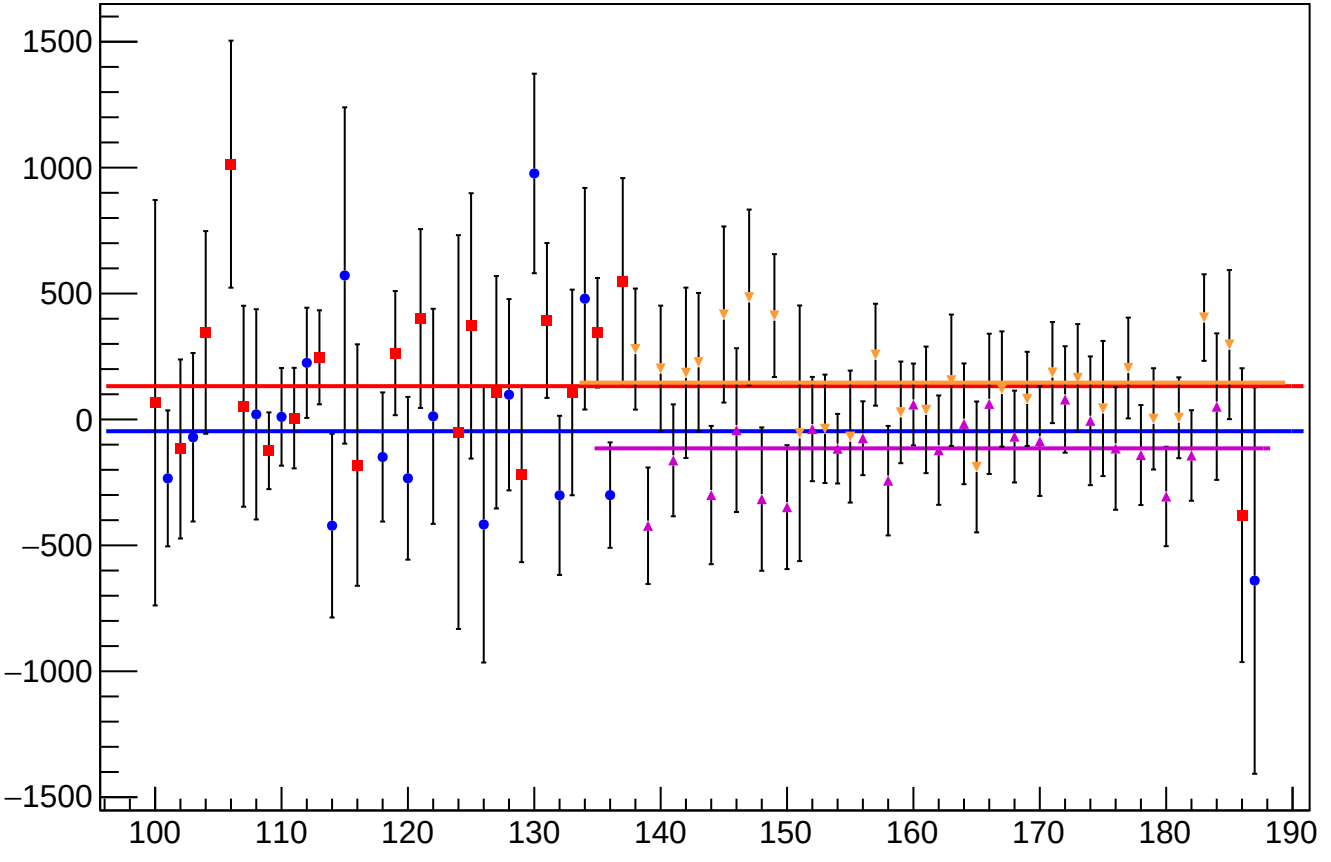
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 195.858+/-0.028 χ^2/NDF: 2921953.2/41

All: 185.906+/-0.019 χ^2/NDF: 6700008.0/84

- sign 177.320+/-0.026 χ^2/NDF: 3541126.6/42

asym_bcm_an_ds3_mean vs Slug



Right In: -46.707+/-76.200 χ^2/NDF: 16.0/16

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 132.238+/-67.993 χ^2/NDF: 13.7/19

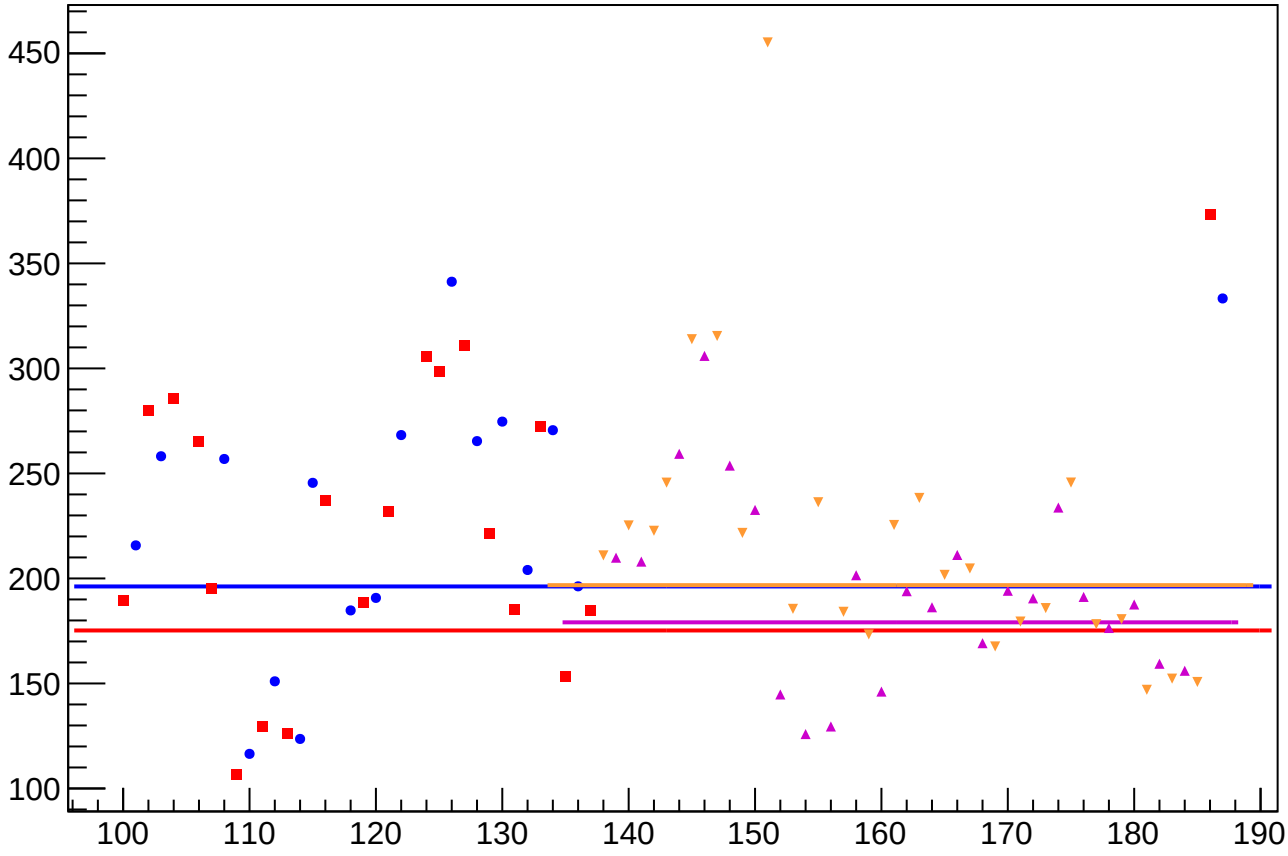
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign 94.214+/-39.618 χ^2/NDF: 32.1/41

All: 20.800+/-26.957 χ^2/NDF: 69.9/84

- sign -42.495+/-36.786 χ^2/NDF: 31.4/42

asym_bcm_an_ds3_rms vs Slug



Right In: 196.185+/-0.054 χ^2/NDF: 1103611.5/16

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 175.230+/-0.048 χ^2/NDF: 1875146.5/19

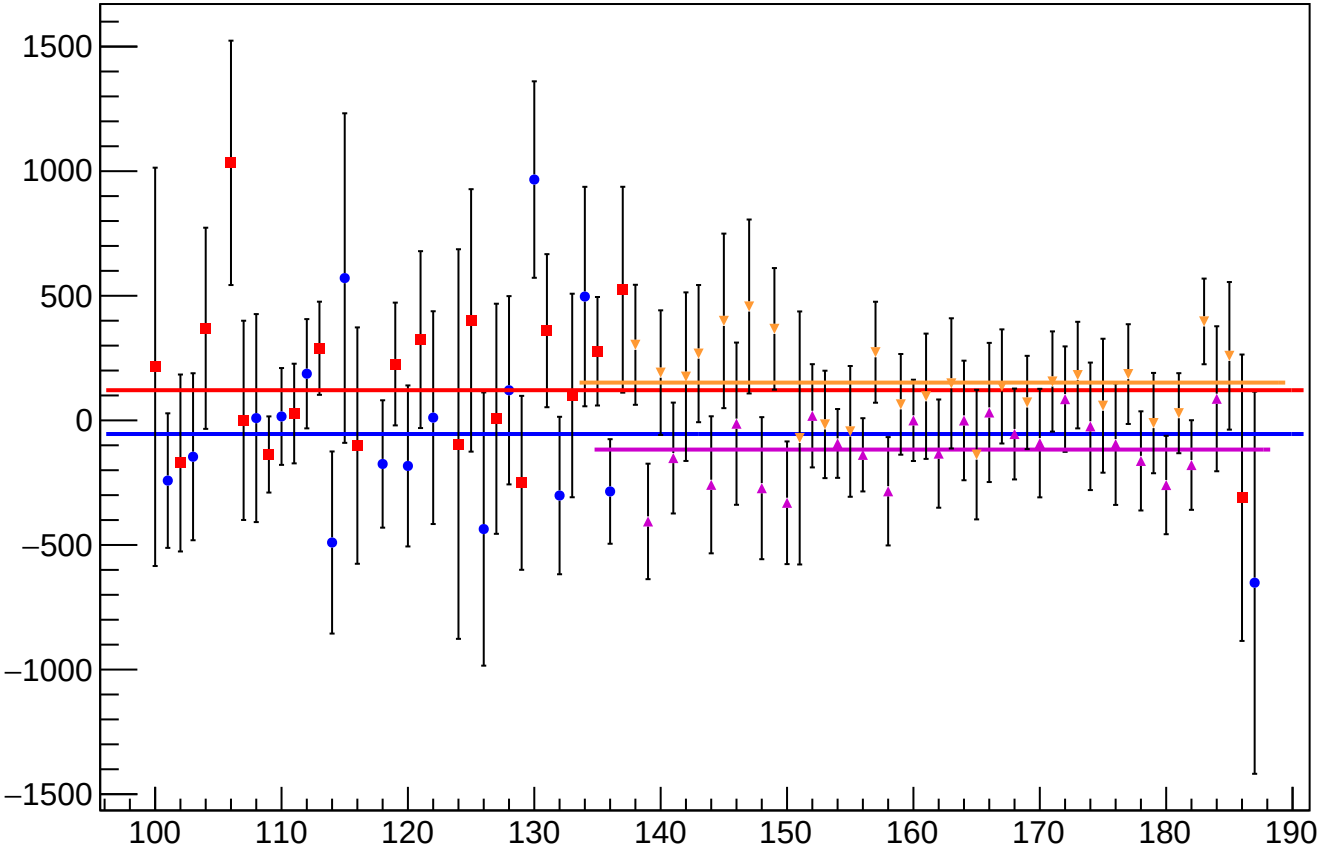
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 196.638+/-0.028 χ^2/NDF: 2912316.8/41

All: 186.612+/-0.019 χ^2/NDF: 6686430.3/84

- sign 177.968+/-0.026 χ^2/NDF: 3535596.3/42

asym_bcm_an_us_mean vs Slug



Right In: -54.703+/-76.213 χ^2/NDF: 16.0/16

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 121.116+/-68.024 χ^2/NDF: 13.4/19

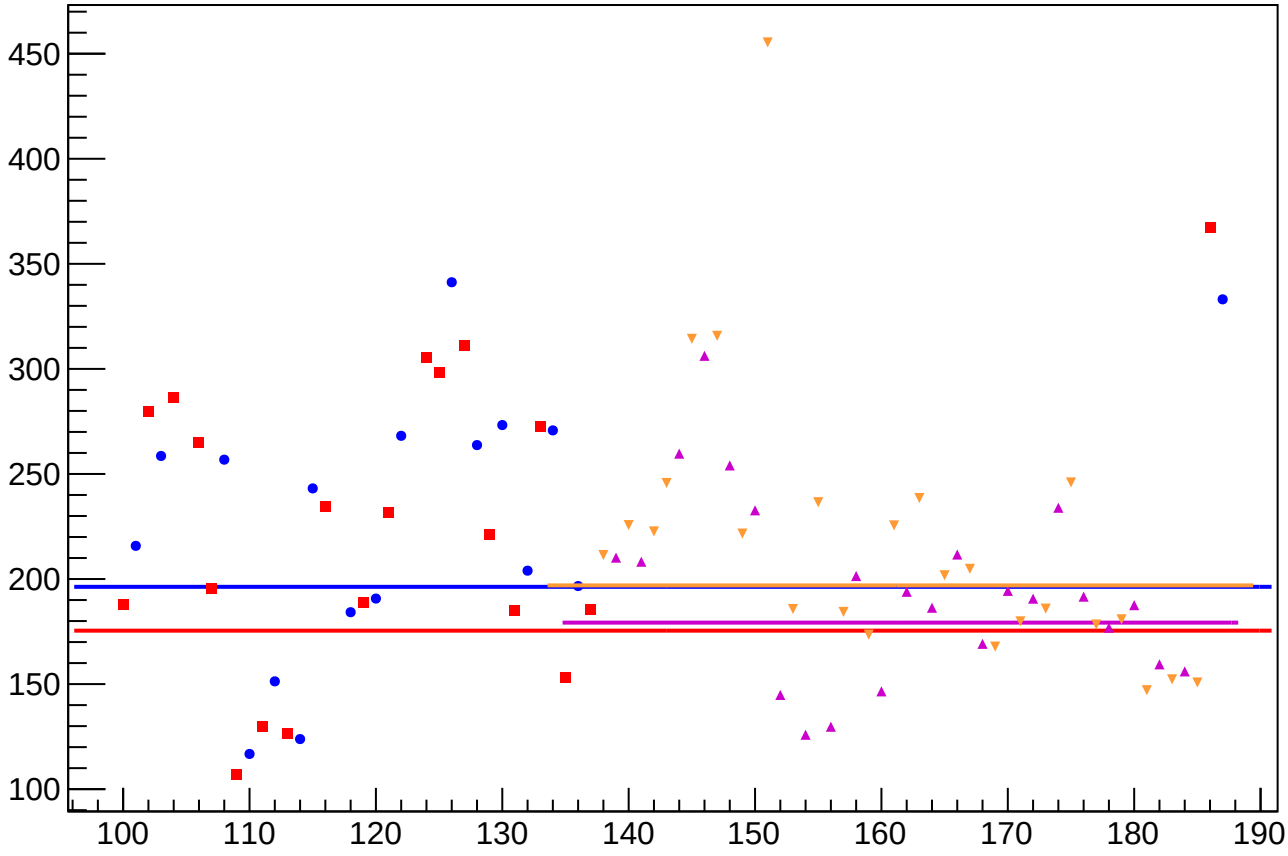
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign 95.775+/-39.644 χ^2/NDF: 31.0/41

All: 18.906+/-26.976 χ^2/NDF: 67.6/84

- sign -47.377+/-36.813 χ^2/NDF: 29.6/42

asym_bcm_an_us_rms vs Slug



Right In: 196.288+/-0.054 χ^2/NDF: 1093210.3/16

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 175.433+/-0.048 χ^2/NDF: 1857852.9/19

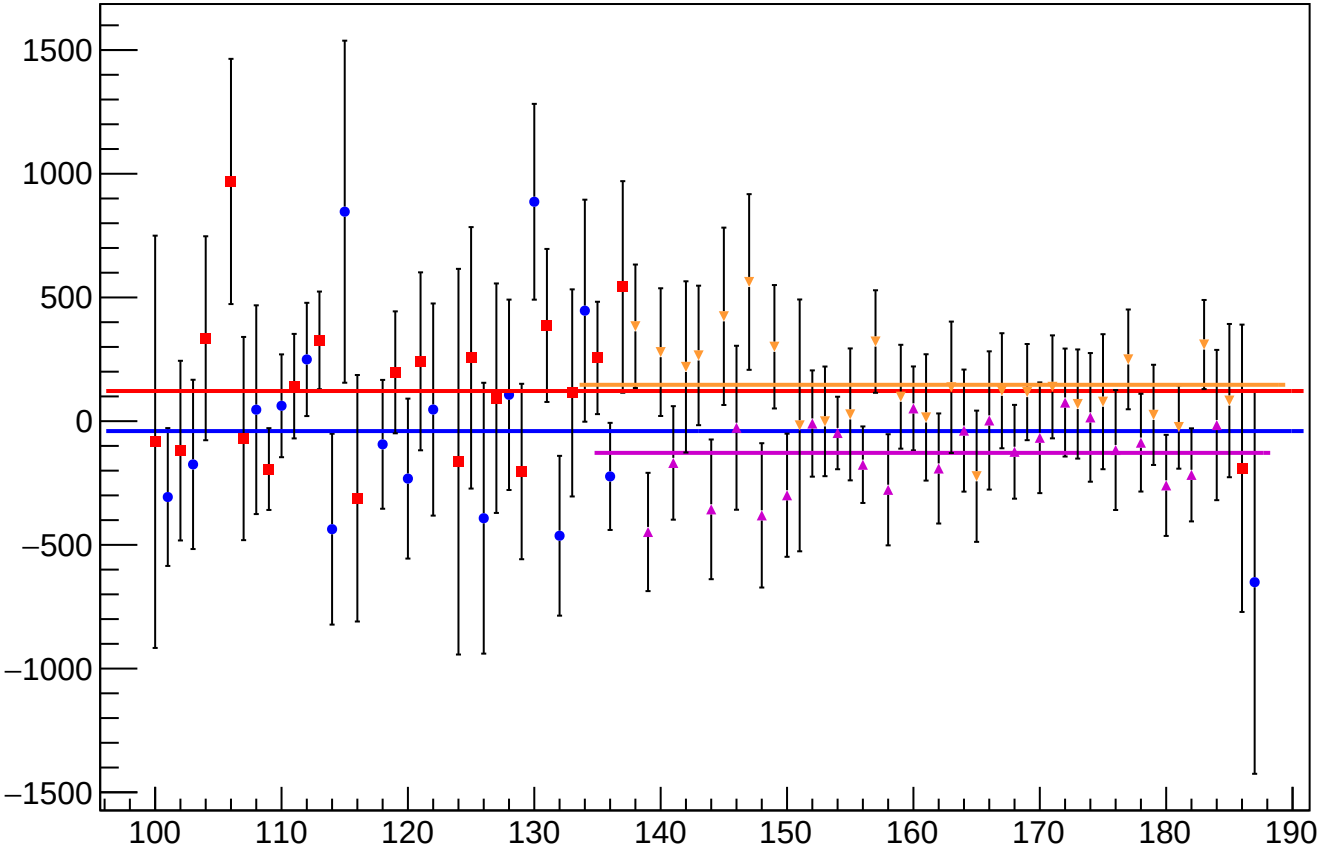
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 196.789+/-0.028 χ^2/NDF: 2902636.3/41

All: 186.773+/-0.019 χ^2/NDF: 6658728.4/84

- sign 178.136+/-0.026 χ^2/NDF: 3518343.3/42

asym_bcm_dg_us_mean vs Slug



Right In: -40.083+/-78.588 χ^2/NDF: 16.4/16

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 121.854+/-70.777 χ^2/NDF: 13.0/19

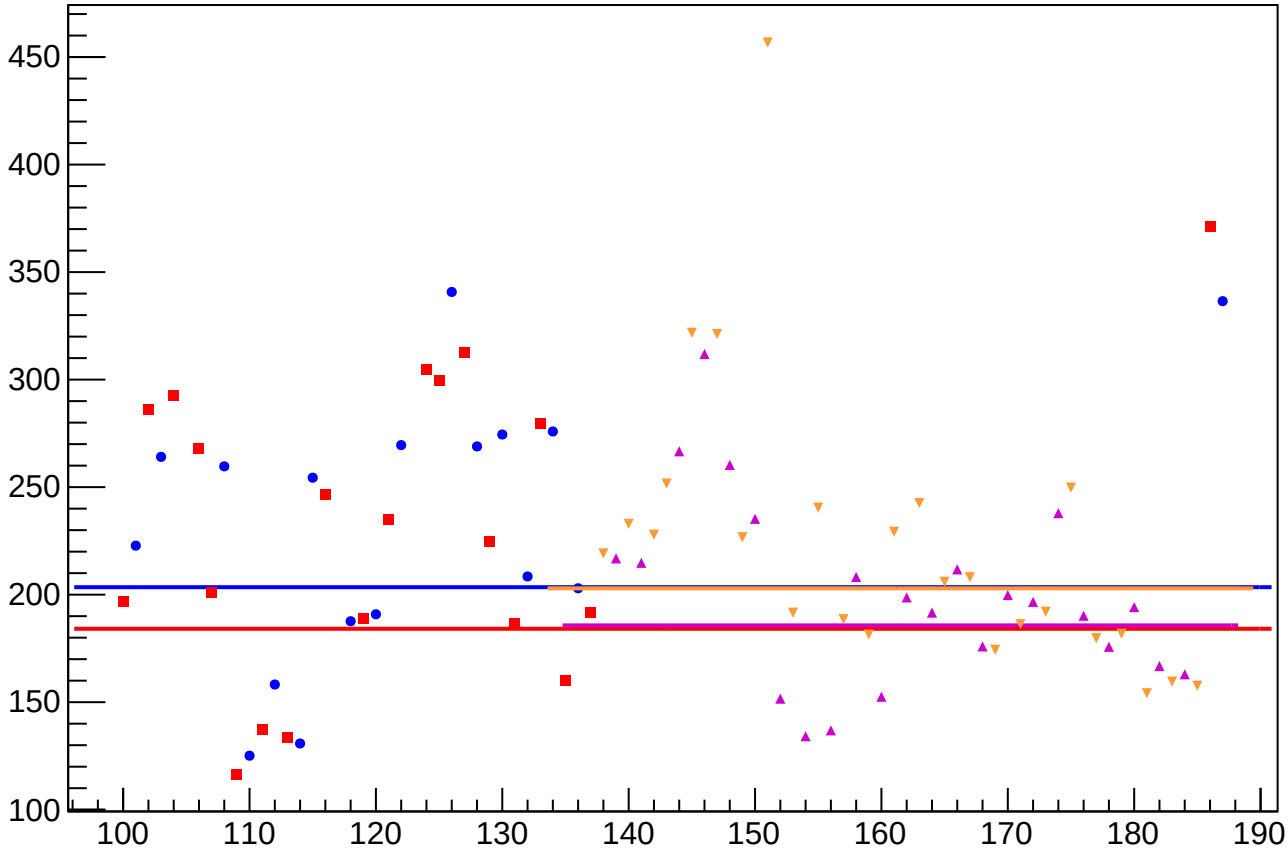
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign 96.600+/-40.782 χ^2/NDF: 30.7/41

All: 15.249+/-27.839 χ^2/NDF: 68.5/84

- sign -55.733+/-38.095 χ^2/NDF: 30.4/42

asym_bcm_dg_us_rms vs Slug



Right In: 203.474+/-0.056 χ^2/NDF: 969849.4/16

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 184.136+/-0.050 χ^2/NDF: 1652043.2/19

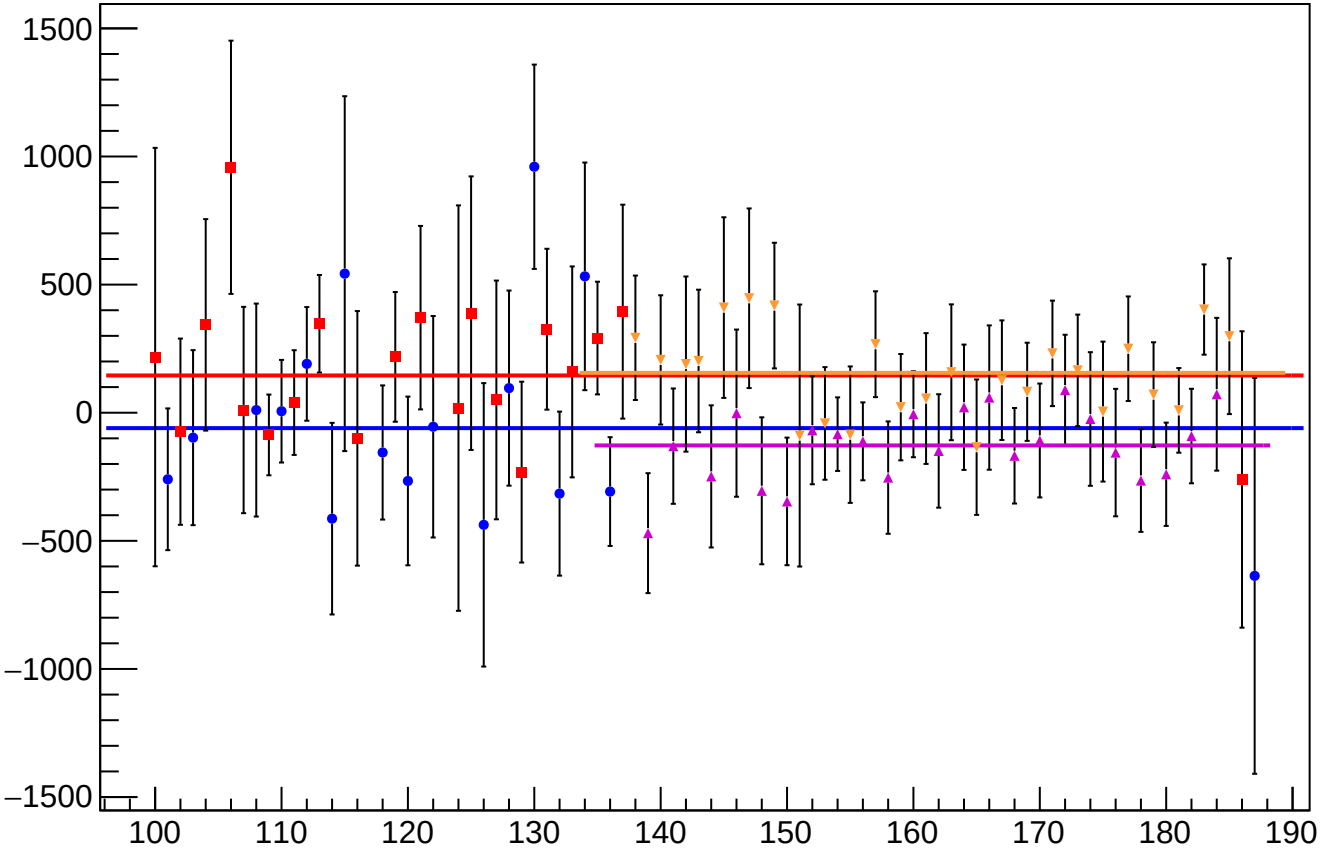
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 203.069+/-0.029 χ^2/NDF: 2670037.1/41

All: 193.558+/-0.020 χ^2/NDF: 6016000.5/84

- sign 185.258+/-0.027 χ^2/NDF: 3142238.5/42

asym_bcm_dg_ds_mean vs Slug



Right In: -60.124+/-77.552 χ^2/NDF: 15.6/16

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 145.429+/-69.397 χ^2/NDF: 10.7/19

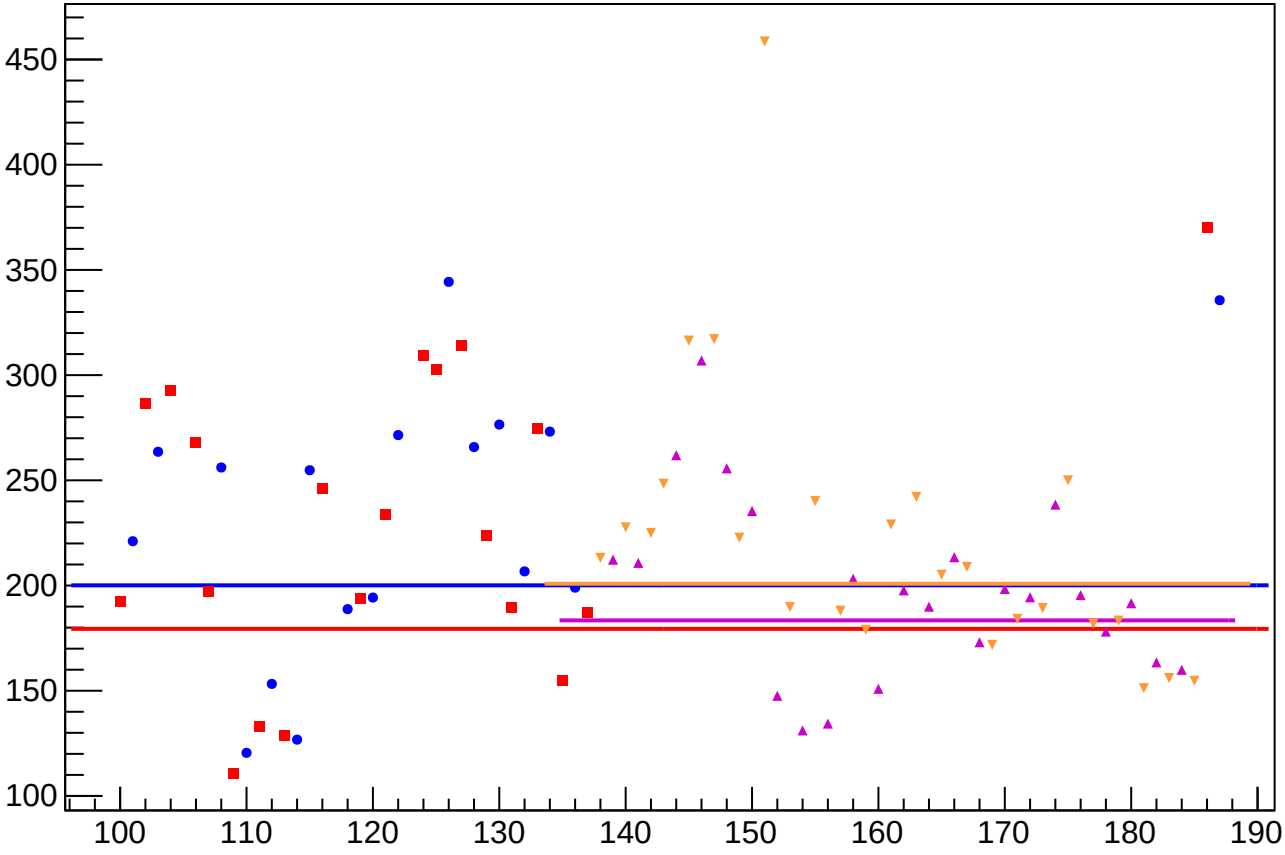
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign 97.210+/-40.359 χ^2/NDF: 31.9/41

All: 19.652+/-27.502 χ^2/NDF: 68.5/84

- sign -47.586+/-37.578 χ^2/NDF: 29.7/42

asym_bcm_dg_ds_rms vs Slug



Right In: 200.098+/-0.055 χ^2/NDF: 1056224.8/16

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

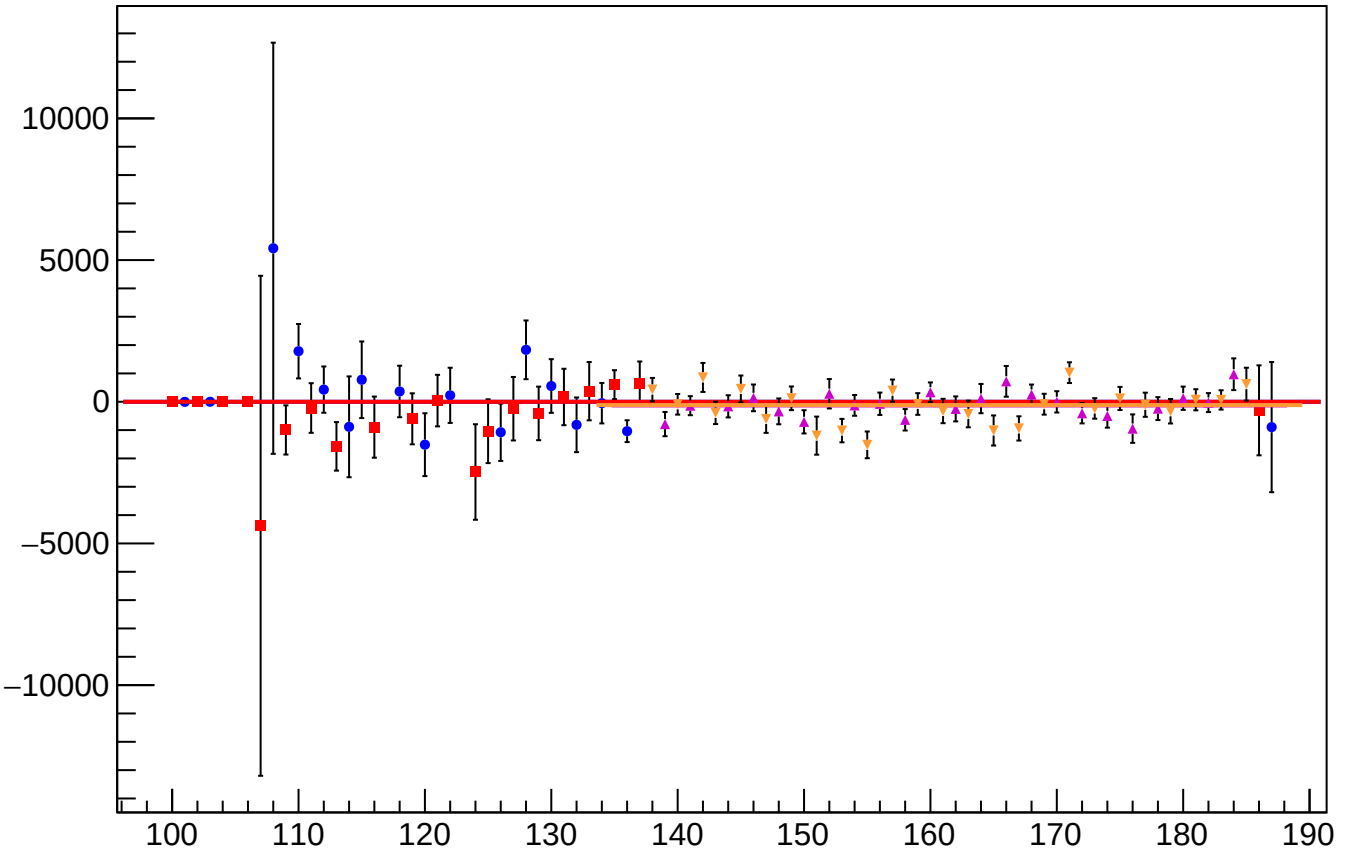
Right Out: 179.407+/-0.049 χ^2/NDF: 1816382.0/19

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 200.657+/-0.029 χ^2/NDF: 2783771.7/41

All: 190.799+/-0.019 χ^2/NDF: 6358358.2/84

- sign 182.253+/-0.027 χ^2/NDF: 3351818.2/42



Right In: -1.240+/-2.171 χ^2/NDF: 20.1/16

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.378+/-2.022 χ^2/NDF: 16.9/19

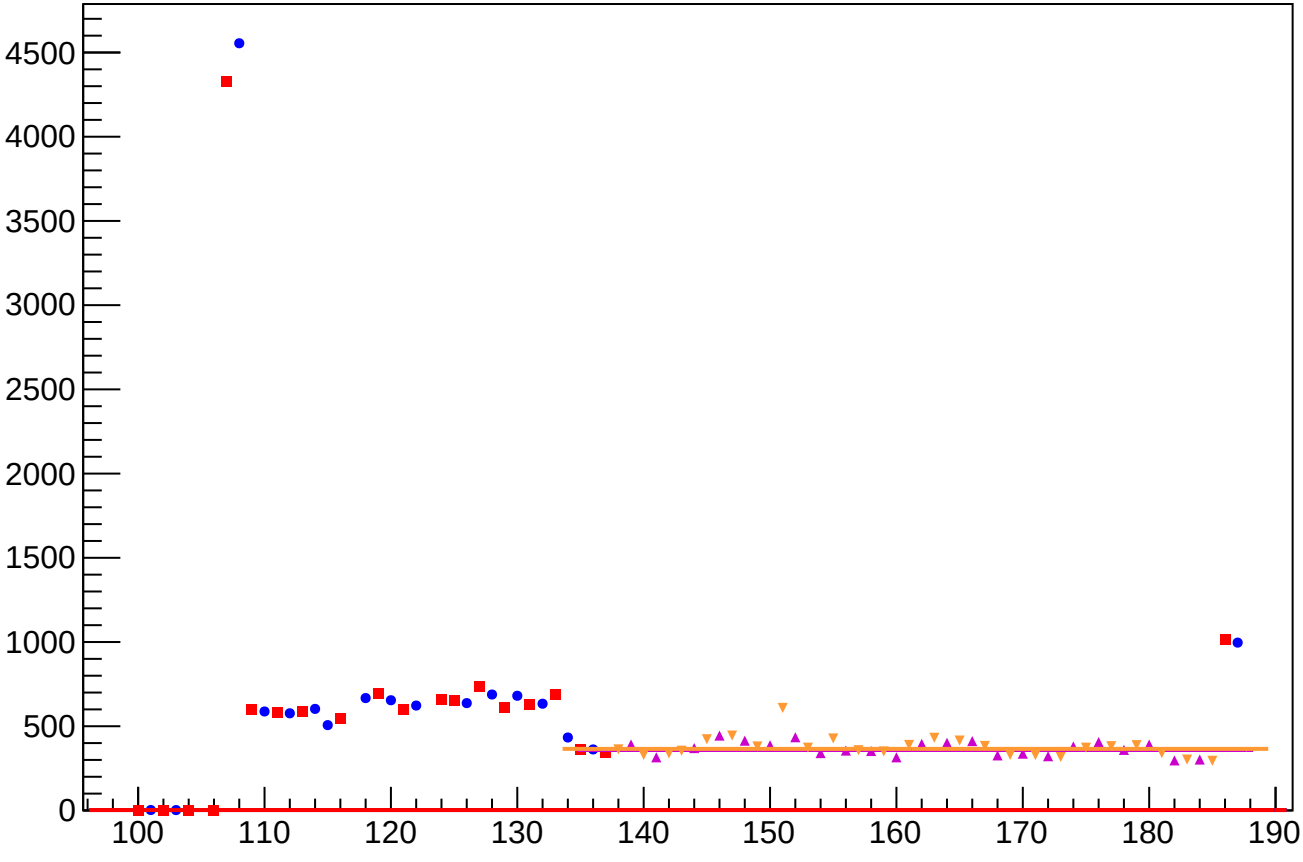
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

\+ sign -1.317+/-2.170 χ^2/NDF: 68.4/41

All: -1.388+/-1.479 χ^2/NDF: 109.2/84

\- sign -1.450+/-2.022 χ^2/NDF: 40.8/42

asym_cav4bQ_rms vs Slug



Right In: 2.478+/-0.002 χ^2/NDF: 12000454.3/16

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.464+/-0.001 χ^2/NDF: 12354568.2/19

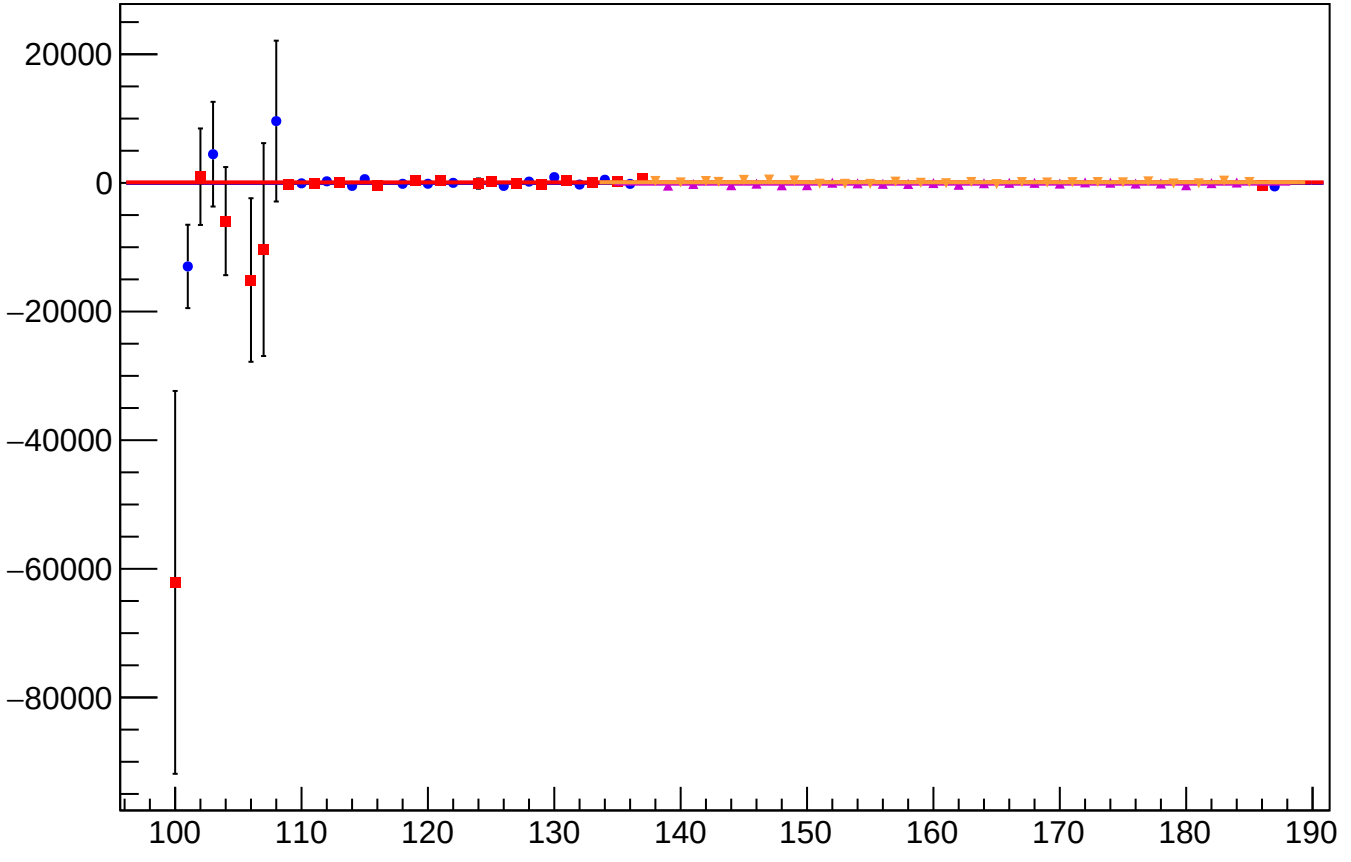
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.719+/-0.002 χ^2/NDF: 49835207.8/41

All: 2.690+/-0.001 χ^2/NDF: 97748215.3/84

- sign 2.665+/-0.001 χ^2/NDF: 47912355.1/42

asym_cav4cQ_mean vs Slug



Right In: -6.198+/-87.277 χ^2/NDF: 17.3/16

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 79.945+/-80.809 χ^2/NDF: 15.4/19

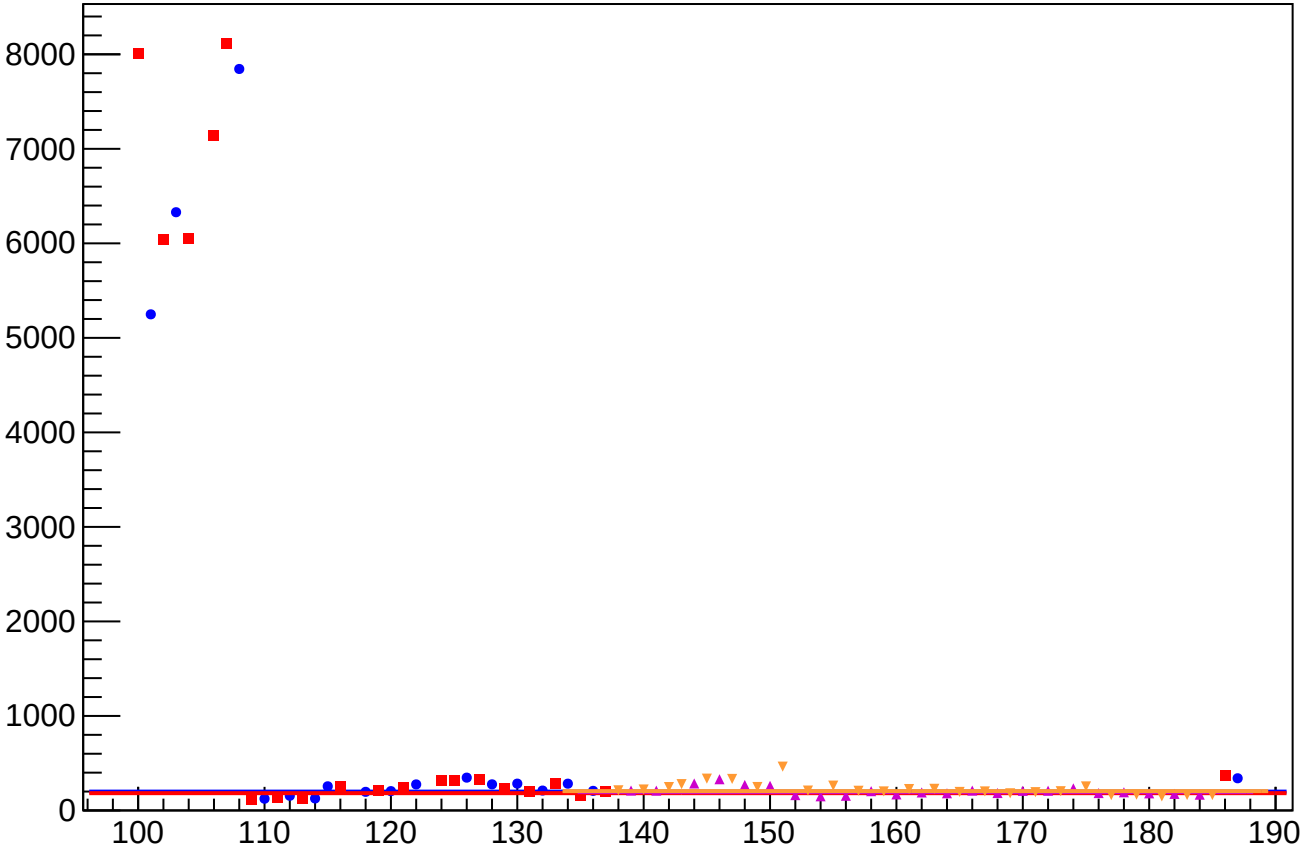
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign 74.835+/-42.227 χ^2/NDF: 31.2/41

All: 0.074+/-29.267 χ^2/NDF: 66.4/84

- sign -69.039+/-40.600 χ^2/NDF: 29.2/42

asym_cav4cQ_rms vs Slug



Right In: 199.392+/-0.062 χ^2/NDF: 4022867.9/16

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 182.973+/-0.057 χ^2/NDF: 4632825.1/19

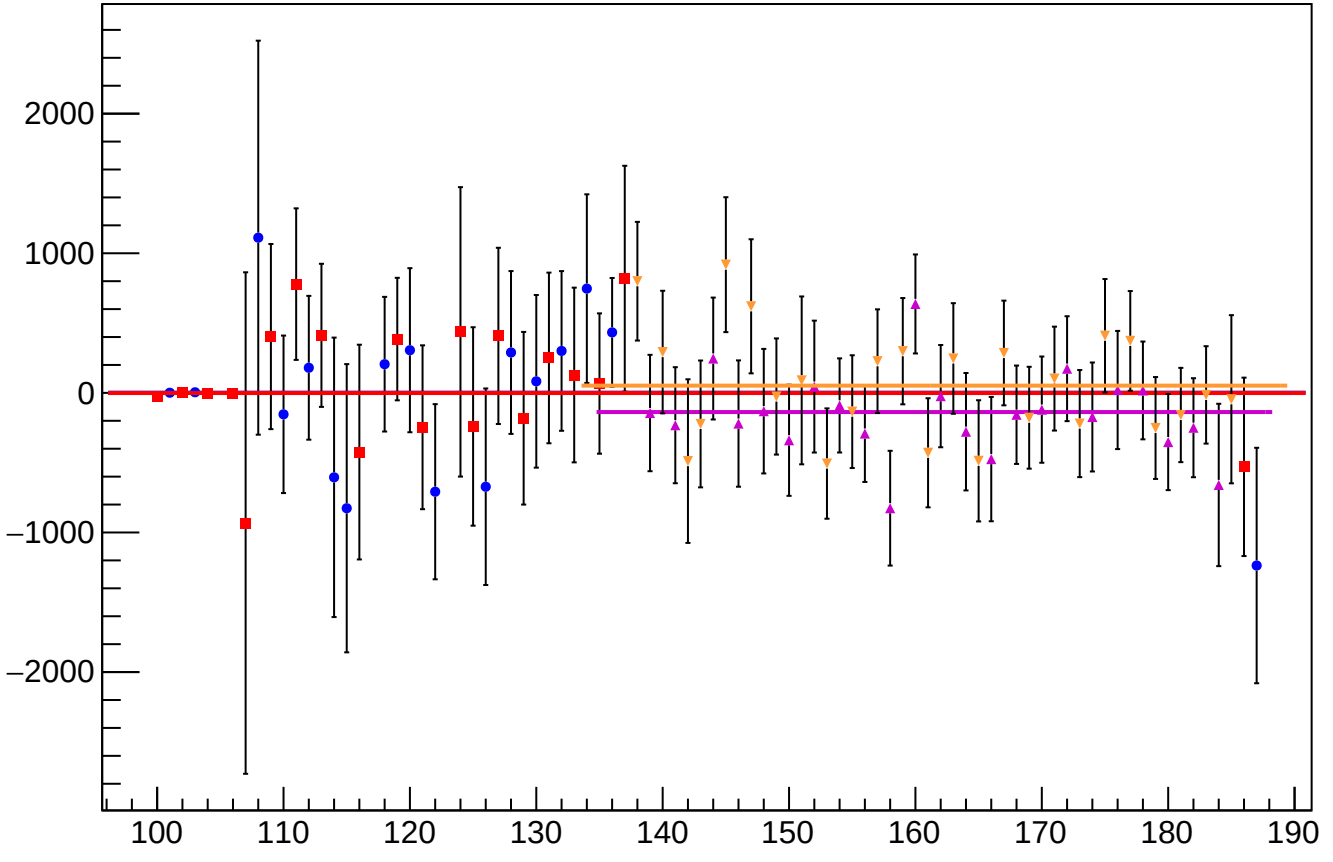
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 203.366+/-0.030 χ^2/NDF: 6003398.3/41

All: 197.012+/-0.021 χ^2/NDF: 11942277.1/84

- sign 191.138+/-0.029 χ^2/NDF: 5851728.0/42

asym_cav4dQ_mean vs Slug



Right In: 1.451+/-1.660 χ^2/NDF: 10.0/16

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.097+/-1.528 χ^2/NDF: 9.8/19

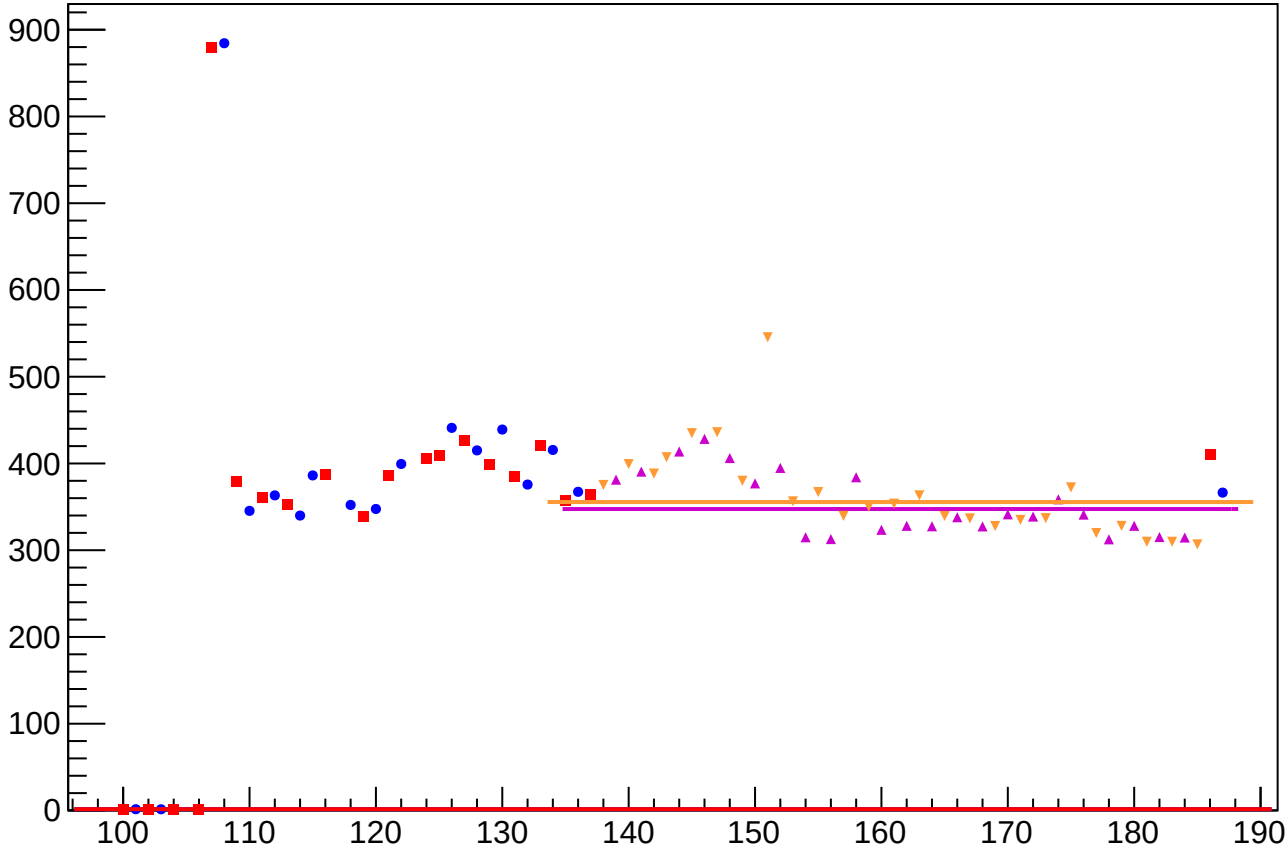
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

\+ sign 1.472+/-1.660 χ^2/NDF: 29.9/41

All: 0.056+/-1.124 χ^2/NDF: 56.0/84

\- sign -1.144+/-1.528 χ^2/NDF: 24.8/42

asym_cav4dQ_rms vs Slug



Right In: 1.472+/-0.001 χ^2/NDF: 12109897.2/16

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.469+/-0.001 χ^2/NDF: 12087170.6/19

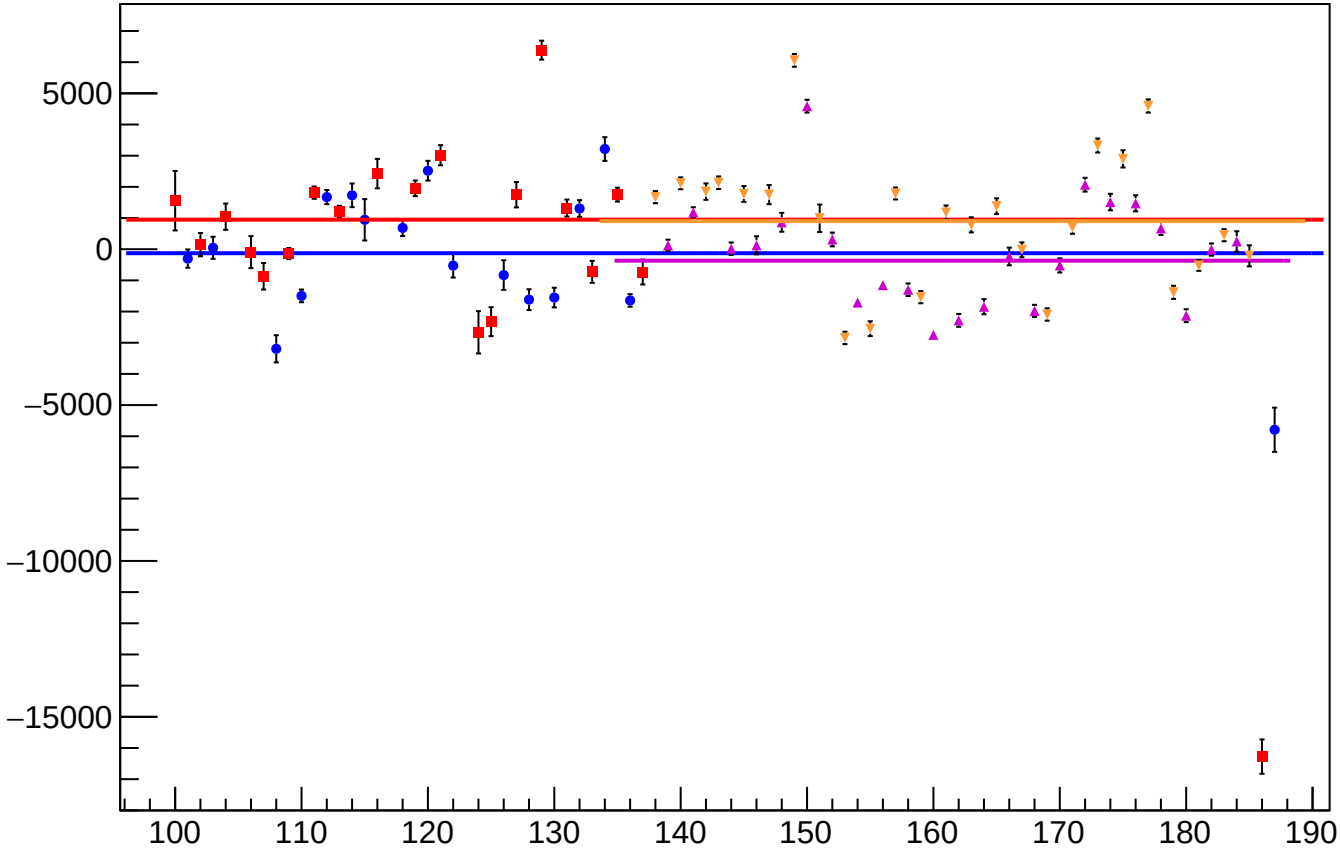
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.618+/-0.001 χ^2/NDF: 50318857.4/41

All: 1.603+/-0.001 χ^2/NDF: 98253998.3/84

- sign 1.589+/-0.001 χ^2/NDF: 47934809.6/42

asym_bcm0l02_mean vs Slug



Right In: -128.154+/-74.481 χ^2/NDF: 534.0/16

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 948.187+/-68.488 χ^2/NDF: 1584.8/19

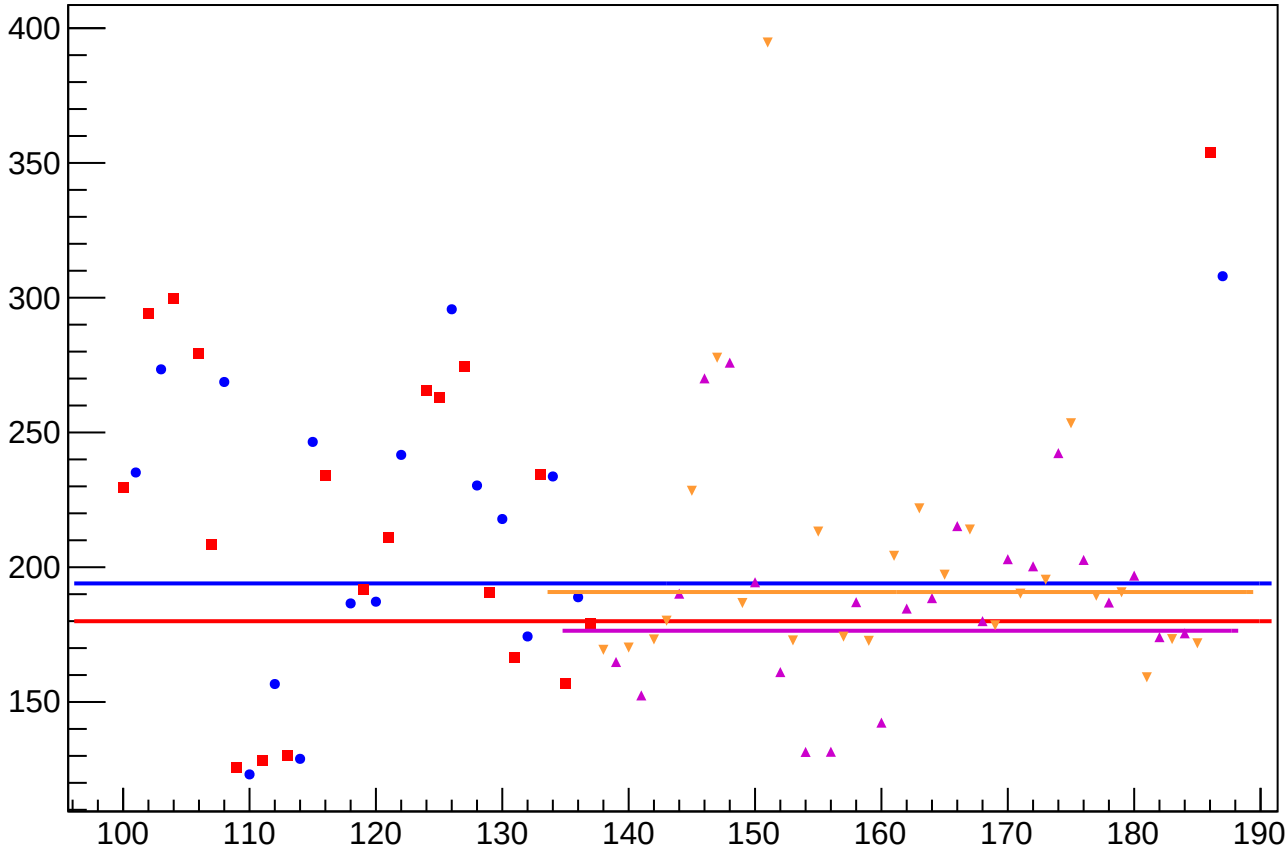
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 630.788+/-38.189 χ^2/NDF: 3085.8/41

All: 298.953+/-26.285 χ^2/NDF: 6673.1/84

- sign 0.222+/-36.234 χ^2/NDF: 3443.9/42

asym_bcm0l02_rms vs Slug



Right In: 193.990+/-0.053 χ^2/NDF: 811379.1/16

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 179.972+/-0.048 χ^2/NDF: 1427741.7/19

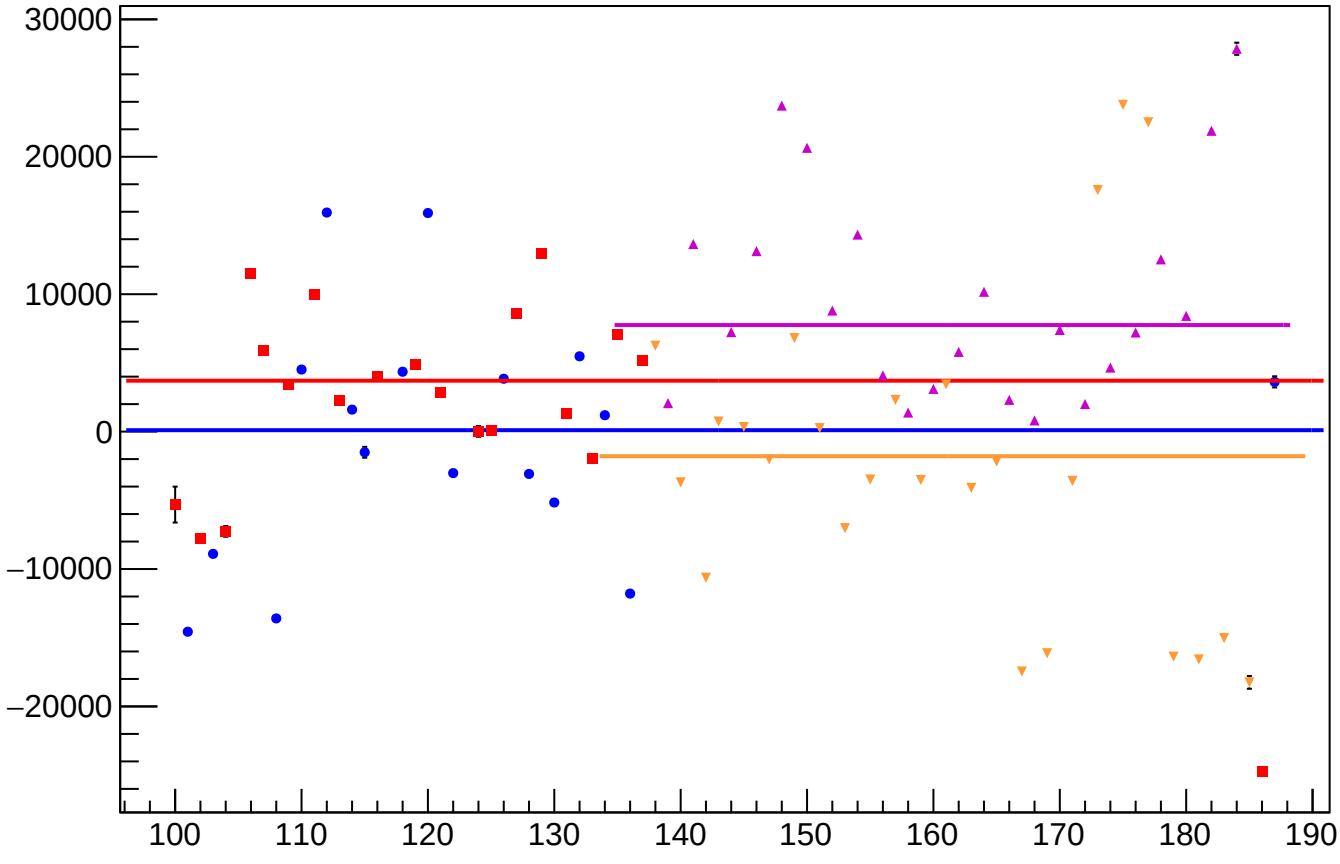
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 191.639+/-0.027 χ^2/NDF: 1833679.9/41

All: 184.158+/-0.019 χ^2/NDF: 4668801.5/84

- sign 177.422+/-0.026 χ^2/NDF: 2689251.1/42

asym_bpm0i02WS_mean vs Slug



Right In: 103.776+/-53.721 χ^2/NDF: 30862.9/16

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3705.891+/-51.218 χ^2/NDF: 18474.1/19

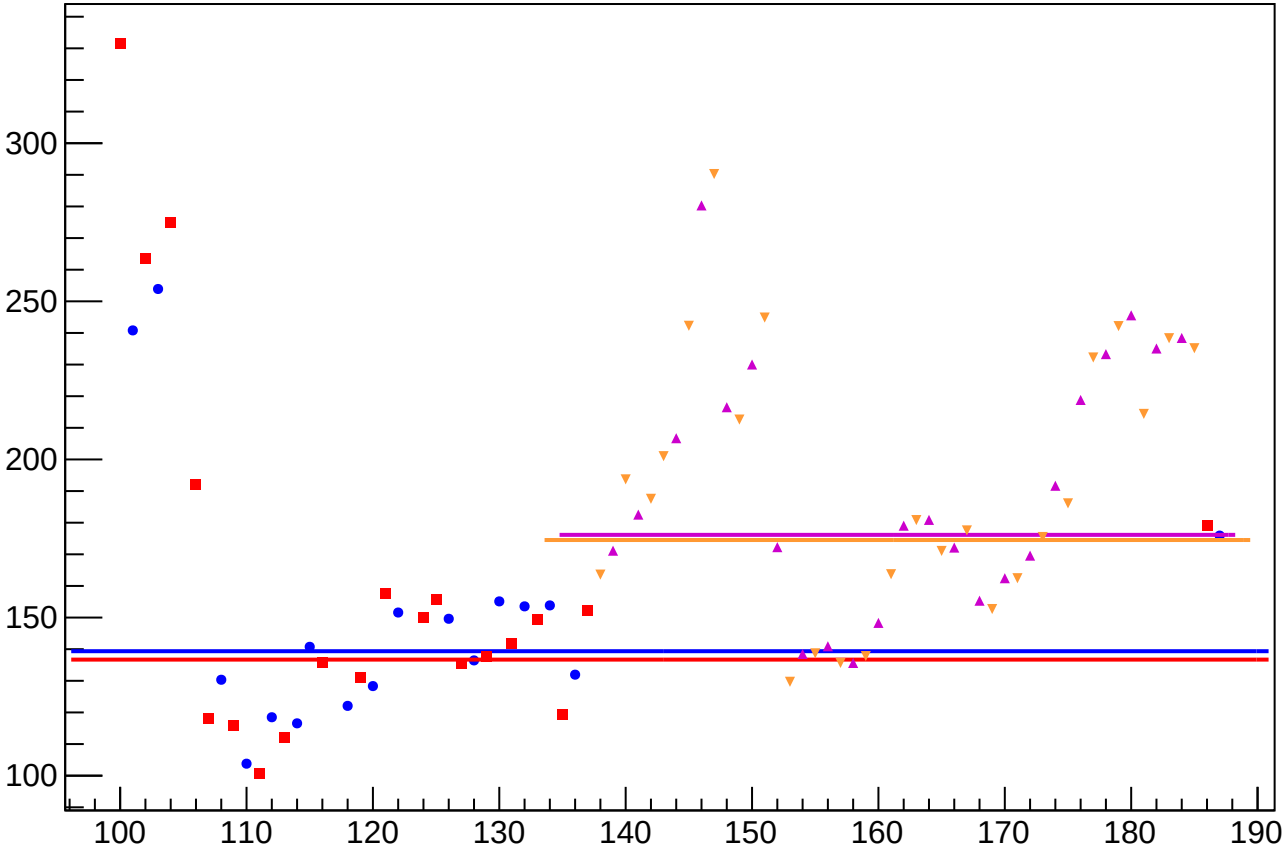
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1095.050+/-32.547 χ^2/NDF: 97395.6/41

All: 2481.482+/-23.082 χ^2/NDF: 167136.7/84

- sign 6100.281+/-32.739 χ^2/NDF: 45447.5/42

asym_bpm0i02WS_rms vs Slug



Right In: 139.365+/-0.038 χ^2/NDF: 674344.4/16

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 136.705+/-0.036 χ^2/NDF: 937076.9/19

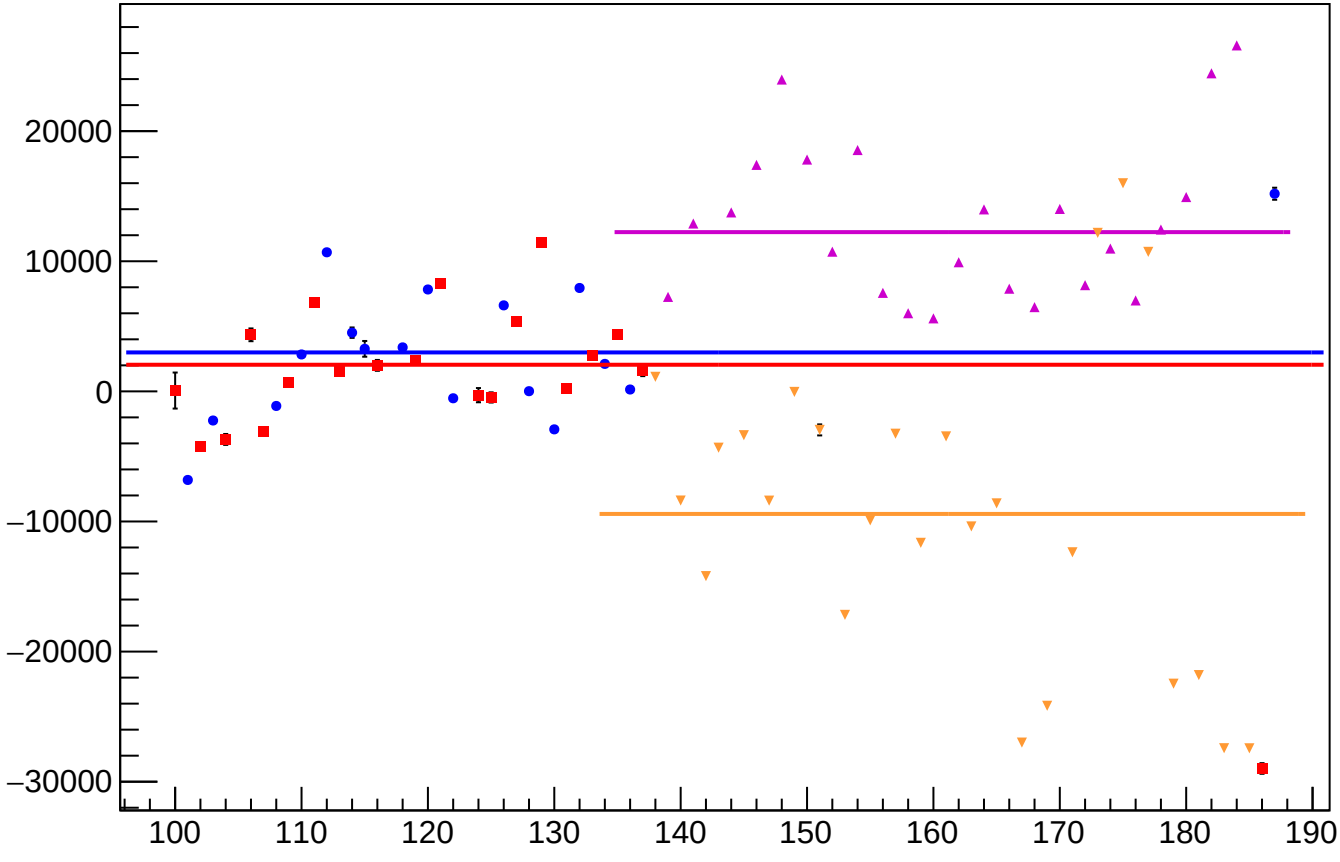
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.616+/-0.023 χ^2/NDF: 2875921.4/41

All: 160.831+/-0.016 χ^2/NDF: 5884108.3/84

- sign 160.036+/-0.023 χ^2/NDF: 3005843.6/42

asym_bpm0i02aWS_mean vs Slug



Right In: 2992.782+/-68.485 χ^2/NDF: 4838.9/16

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 2045.788+/-64.052 χ^2/NDF: 8946.0/19

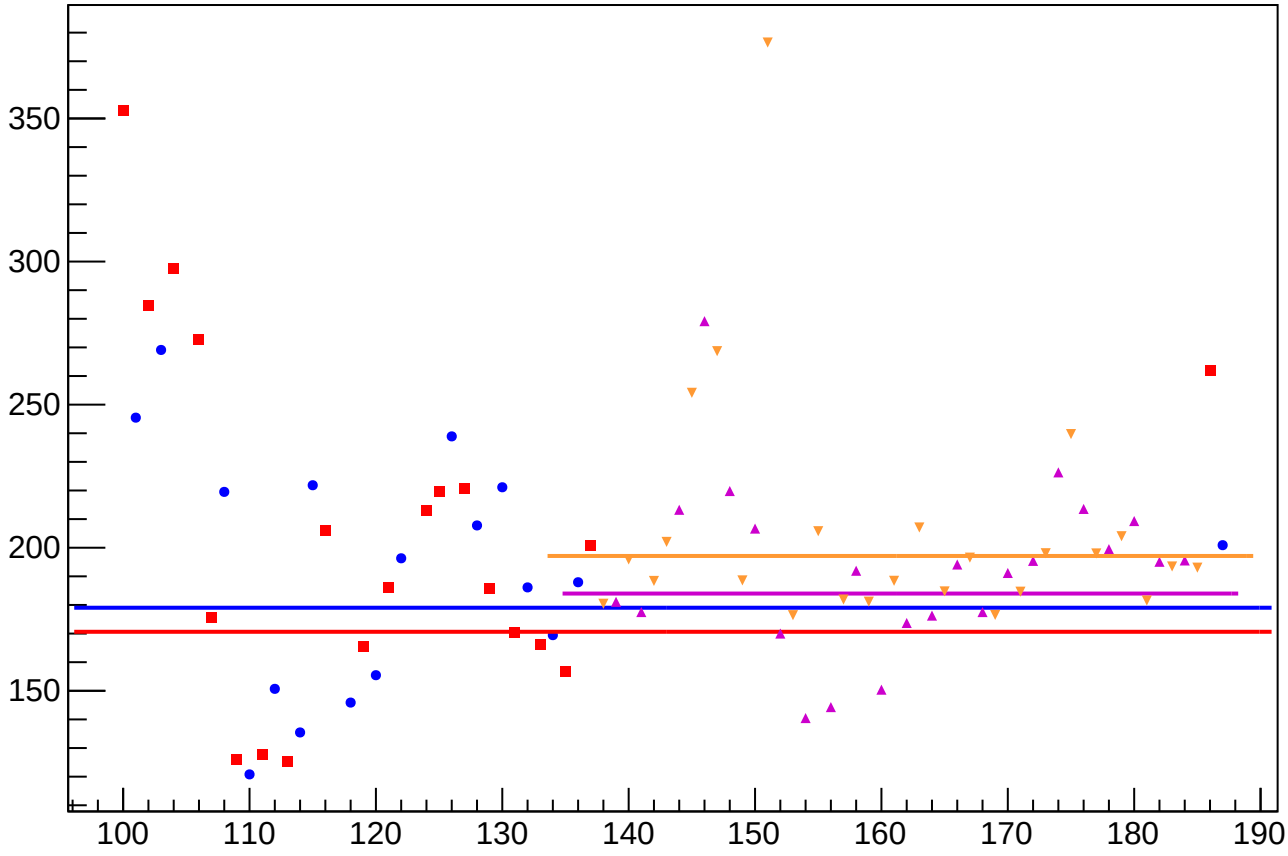
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -5596.027+/-38.012 χ^2/NDF: 92288.9/41

All: 1997.363+/-26.281 χ^2/NDF: 210854.5/84

- sign 8951.170+/-36.376 χ^2/NDF: 42117.8/42

asym_bpm0i02aWS_rms vs Slug



Right In: 179.030+/-0.048 χ^2/NDF: 679126.7/16

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.626+/-0.045 χ^2/NDF: 1081569.4/19

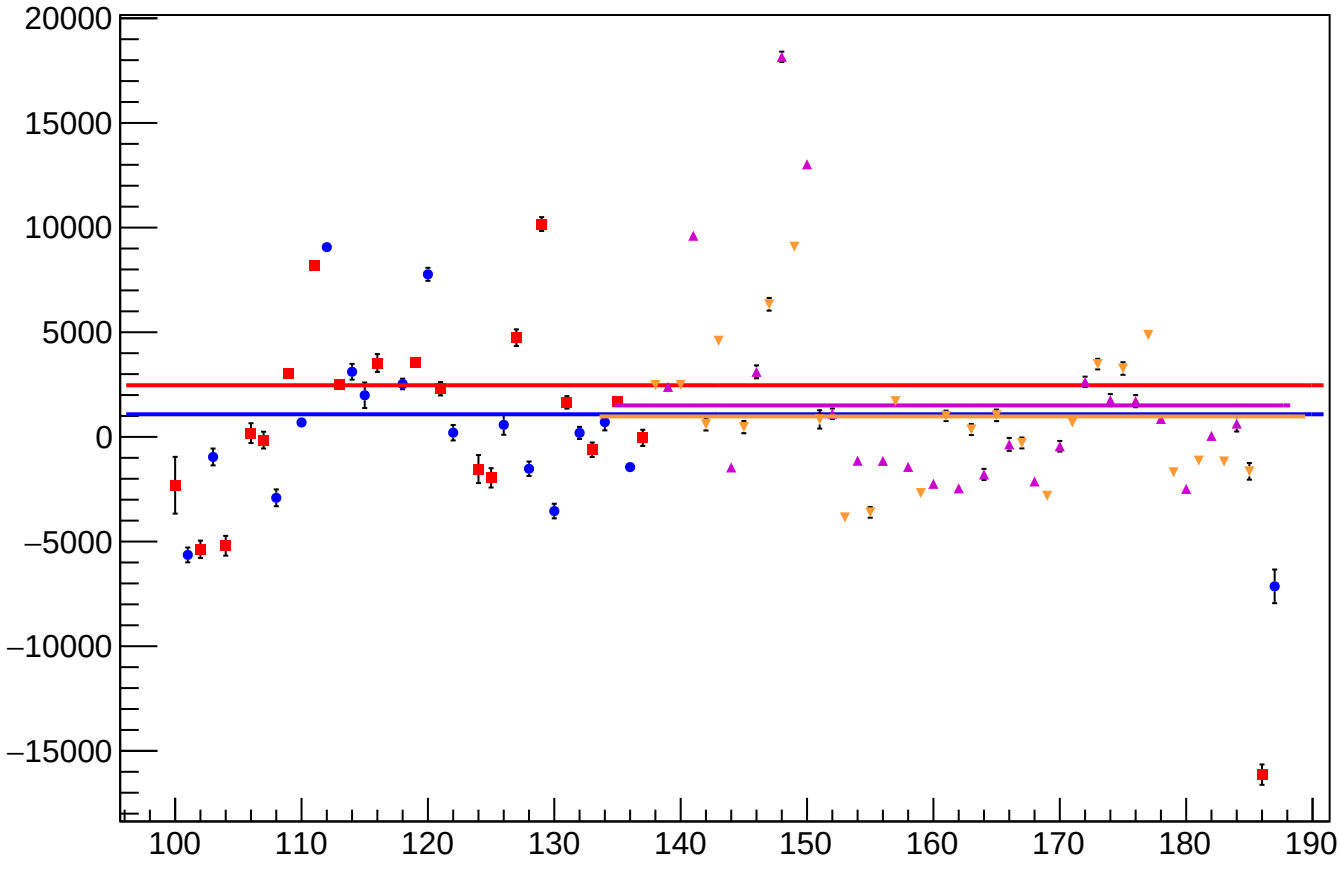
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.549+/-0.027 χ^2/NDF: 1508234.3/41

All: 185.352+/-0.019 χ^2/NDF: 3580356.2/84

- sign 179.677+/-0.026 χ^2/NDF: 1970290.5/42

asym_bpm0i05WS_mean vs Slug



Right In: 1080.634+/-75.621 χ^2/NDF: 2760.5/16

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 2467.471+/-68.450 χ^2/NDF: 3947.7/19

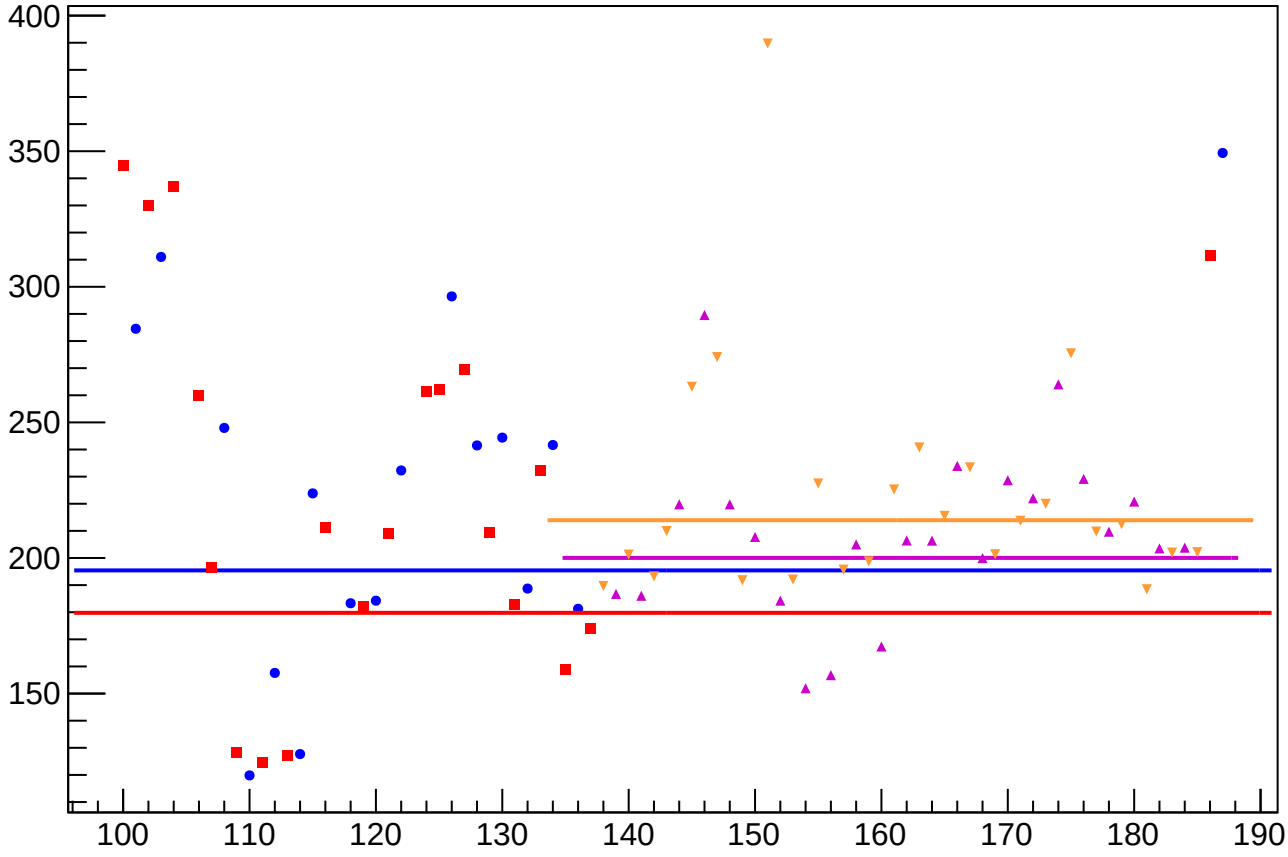
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1009.178+/-41.479 χ^2/NDF: 7084.8/41

All: 1437.618+/-28.539 χ^2/NDF: 22848.0/84

\- sign 1822.784+/-39.328 χ^2/NDF: 15560.7/42

asym_bpm0i05WS_rms vs Slug



Right In: 195.423+/-0.053 χ^2/NDF: 1039563.9/16

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 179.780+/-0.048 χ^2/NDF: 1509152.2/19

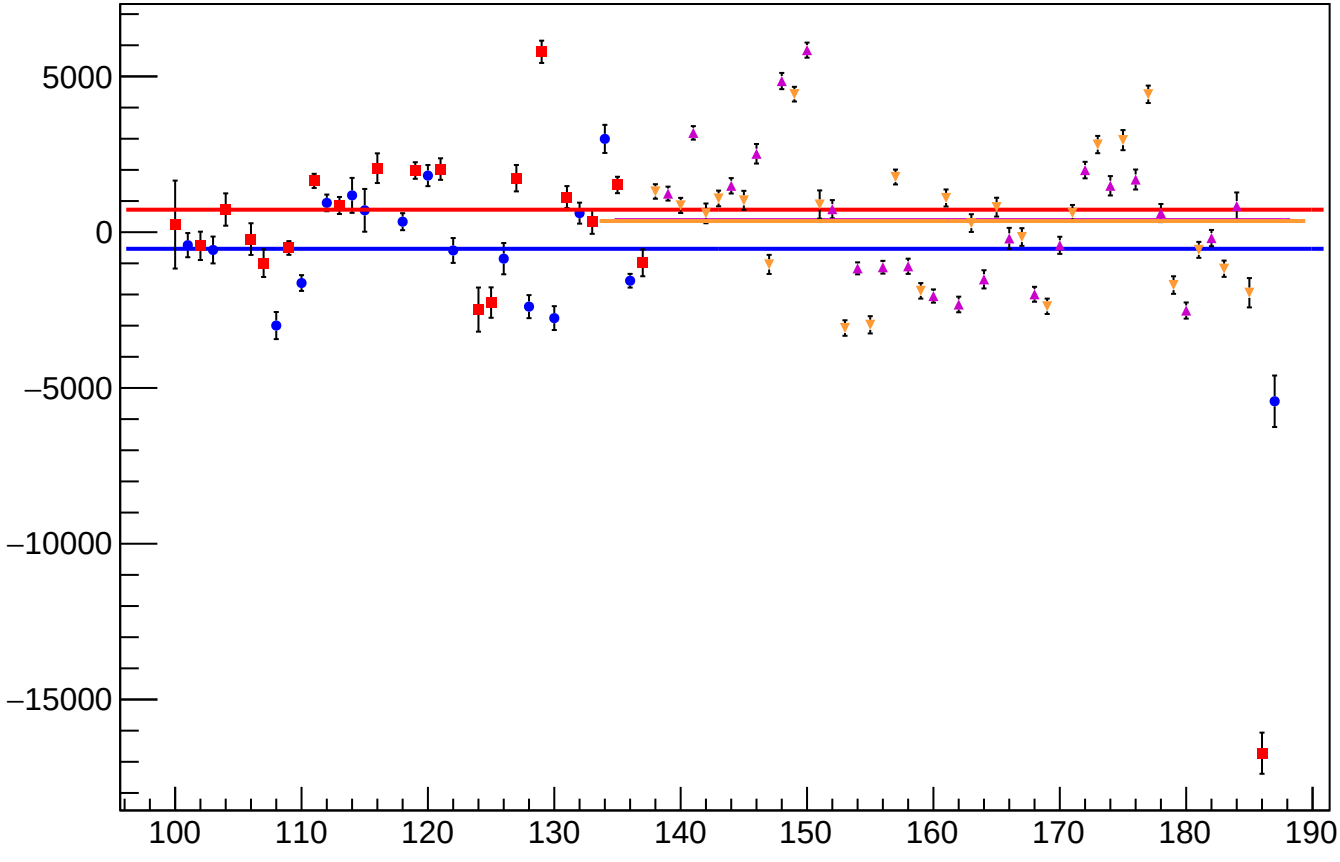
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.363+/-0.029 χ^2/NDF: 1856959.0/41

All: 200.455+/-0.020 χ^2/NDF: 4406952.4/84

- sign 193.346+/-0.028 χ^2/NDF: 2411942.2/42

asym_bpm0i07WS_mean vs Slug



Right In: -533.128+/-86.212 χ^2/NDF: 340.9/16

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 722.616+/-80.345 χ^2/NDF: 1105.9/19

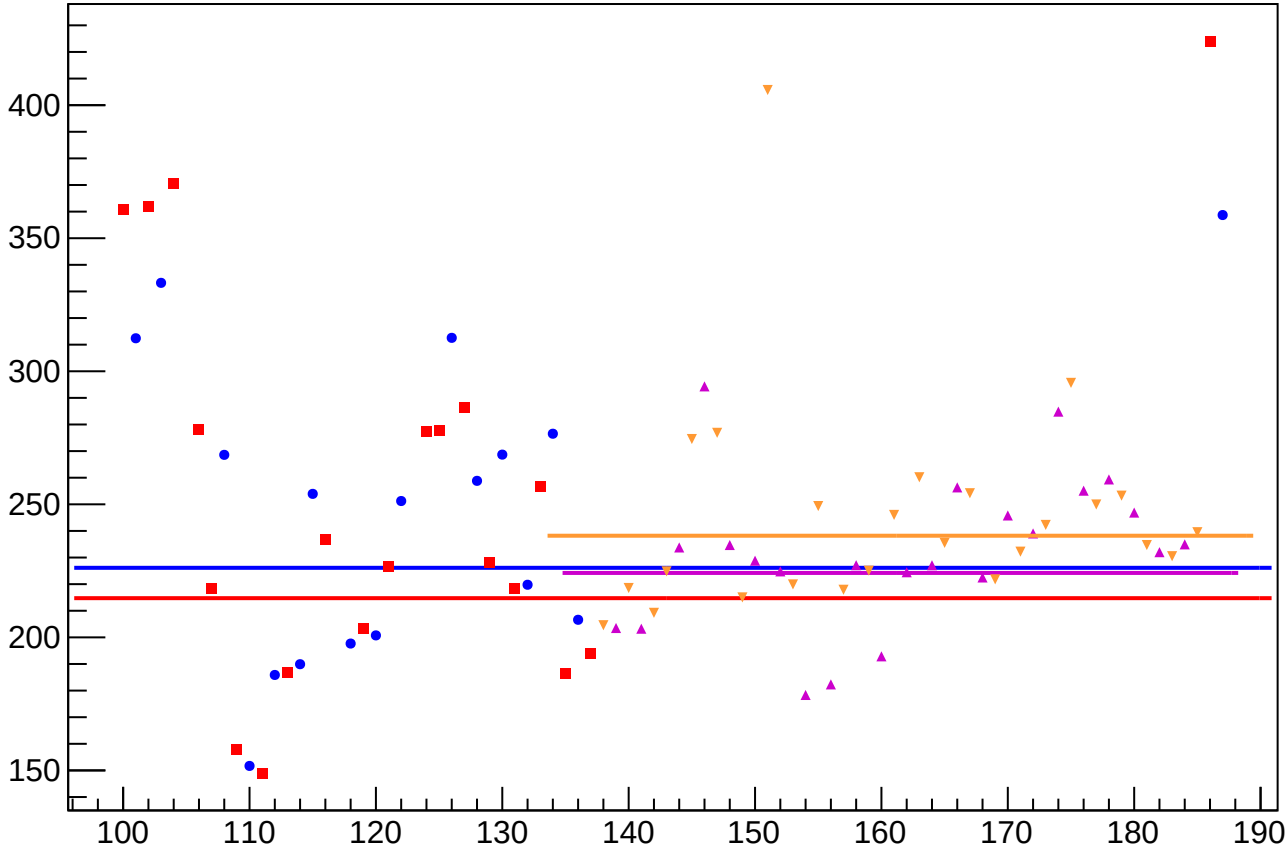
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign 100.768+/-46.363 χ^2/NDF: 1835.8/41

All: 303.224+/-32.122 χ^2/NDF: 4794.7/84

- sign 490.133+/-44.547 χ^2/NDF: 2922.2/42

asym_bpm0i07WS_rms vs Slug



Right In: 226.141+/-0.061 χ^2/NDF: 705203.8/16

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 214.733+/-0.057 χ^2/NDF: 1136119.8/19

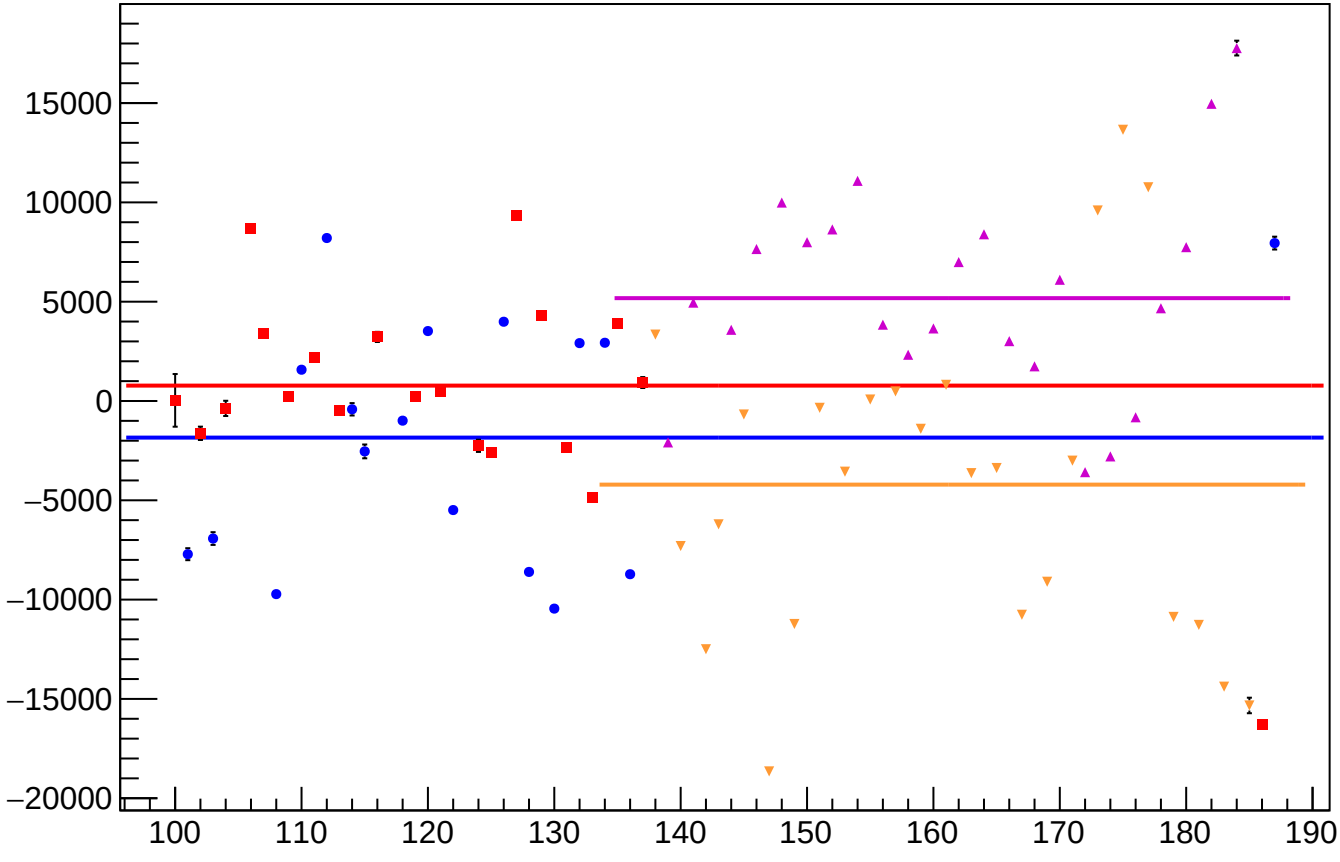
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.712+/-0.033 χ^2/NDF: 1300951.1/41

All: 227.737+/-0.023 χ^2/NDF: 3106635.9/84

- sign 221.298+/-0.031 χ^2/NDF: 1718632.3/42

asym_bpm1i02WS_mean vs Slug



Right In: -1843.082+/-46.242 χ^2/NDF: 17644.3/16

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 774.895+/-43.891 χ^2/NDF: 12215.7/19

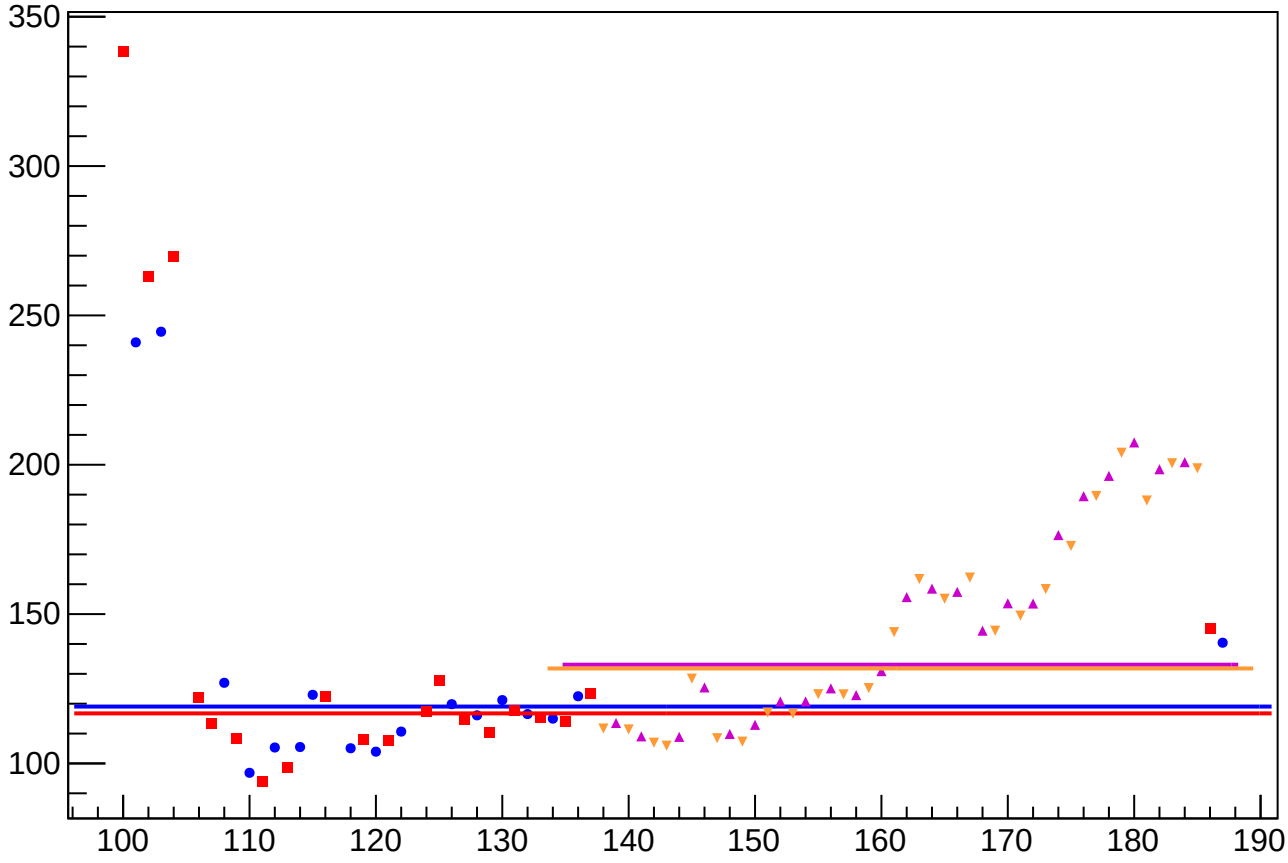
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3482.130+/-25.651 χ^2/NDF: 76261.6/41

All: 58.483+/-18.205 χ^2/NDF: 151984.3/84

- sign 3651.855+/-25.841 χ^2/NDF: 37333.1/42

asym_bpm1i02WS_rms vs Slug



Right In: 119.042+/-0.033 χ^2/NDF: 743072.6/16

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 116.757+/-0.031 χ^2/NDF: 896652.7/19

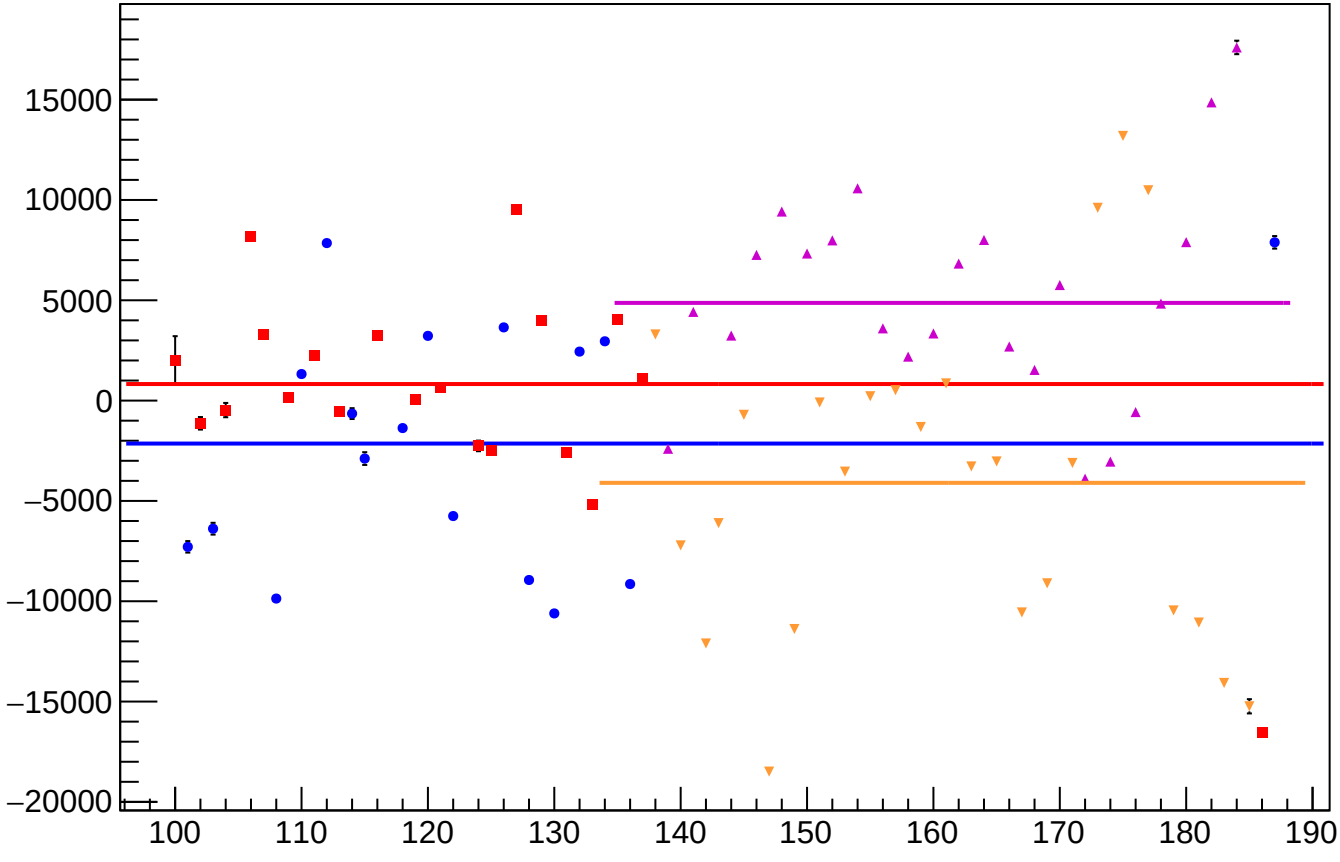
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.873+/-0.018 χ^2/NDF: 2392772.7/41

All: 127.643+/-0.013 χ^2/NDF: 4888310.0/84

- sign 127.410+/-0.018 χ^2/NDF: 2495214.1/42

asym_bpm2i01WS_mean vs Slug



Right In: -2140.960+/-40.394 χ^2/NDF: 22722.0/16

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 825.633+/-38.725 χ^2/NDF: 15015.7/19

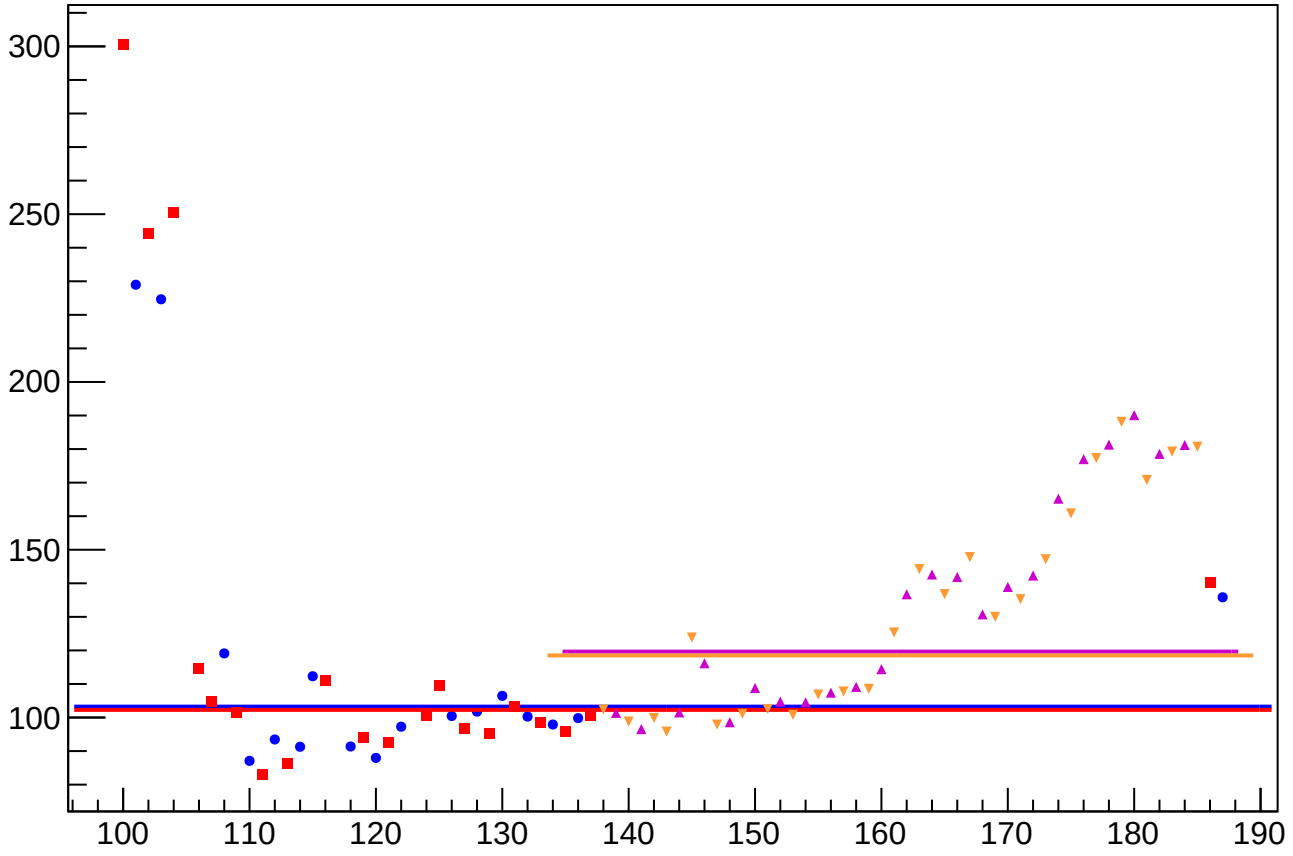
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -3470.475+/-22.885 χ^2/NDF: 90588.7/41

All: -55.175+/-16.262 χ^2/NDF: 179532.2/84

\- sign 3428.982+/-23.114 χ^2/NDF: 43949.7/42

asym_bpm2i01WS_rms vs Slug



Right In: 103.245+/-0.029 χ^2/NDF: 847813.6/16

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 102.280+/-0.027 χ^2/NDF: 991948.1/19

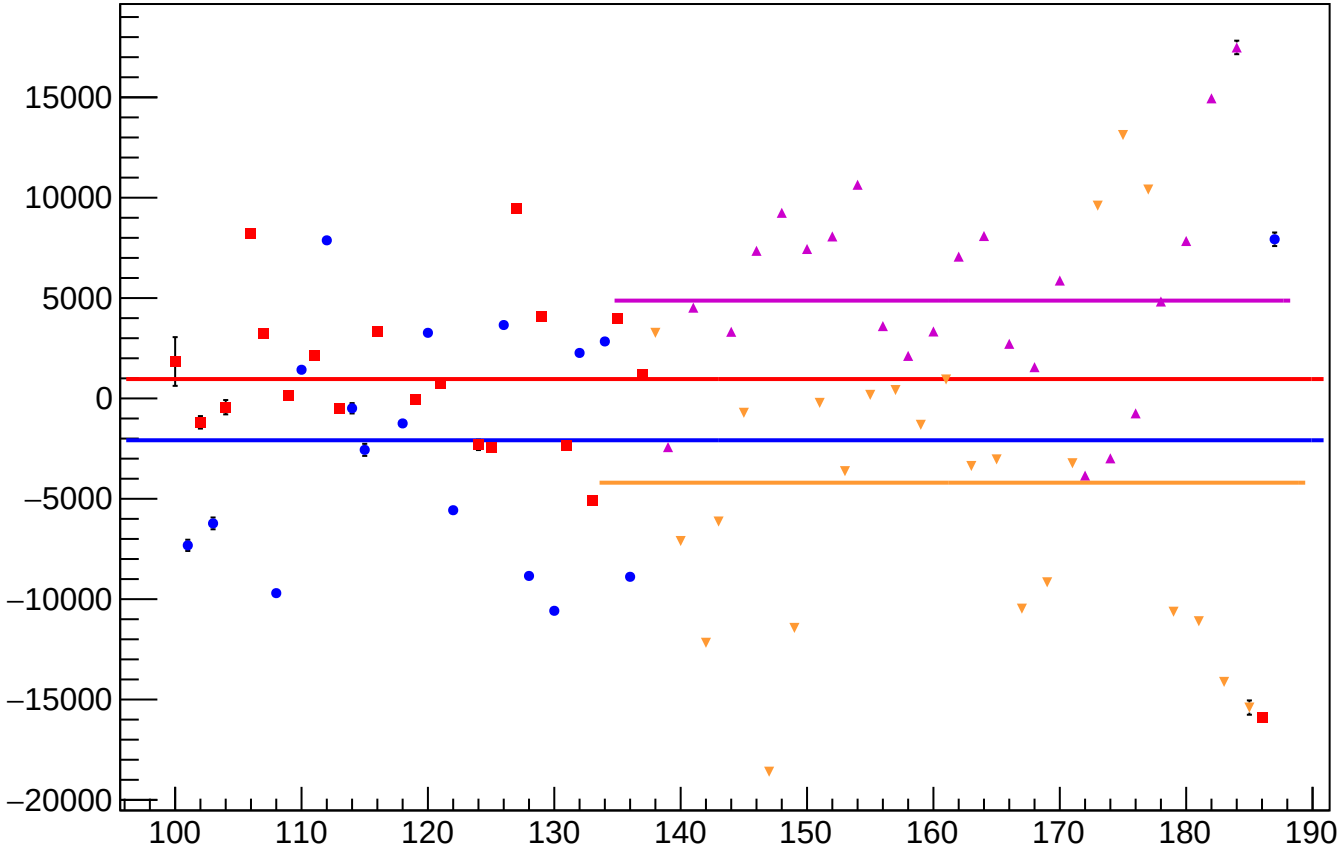
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 113.605+/-0.016 χ^2/NDF: 2668689.9/41

All: 113.532+/-0.011 χ^2/NDF: 5431944.8/84

- sign 113.458+/-0.016 χ^2/NDF: 2763214.3/42

asym_bpm2i02WS_mean vs Slug



Right In: -2084.155+/-38.780 χ^2/NDF: 23932.1/16

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 965.018+/-37.111 χ^2/NDF: 14394.5/19

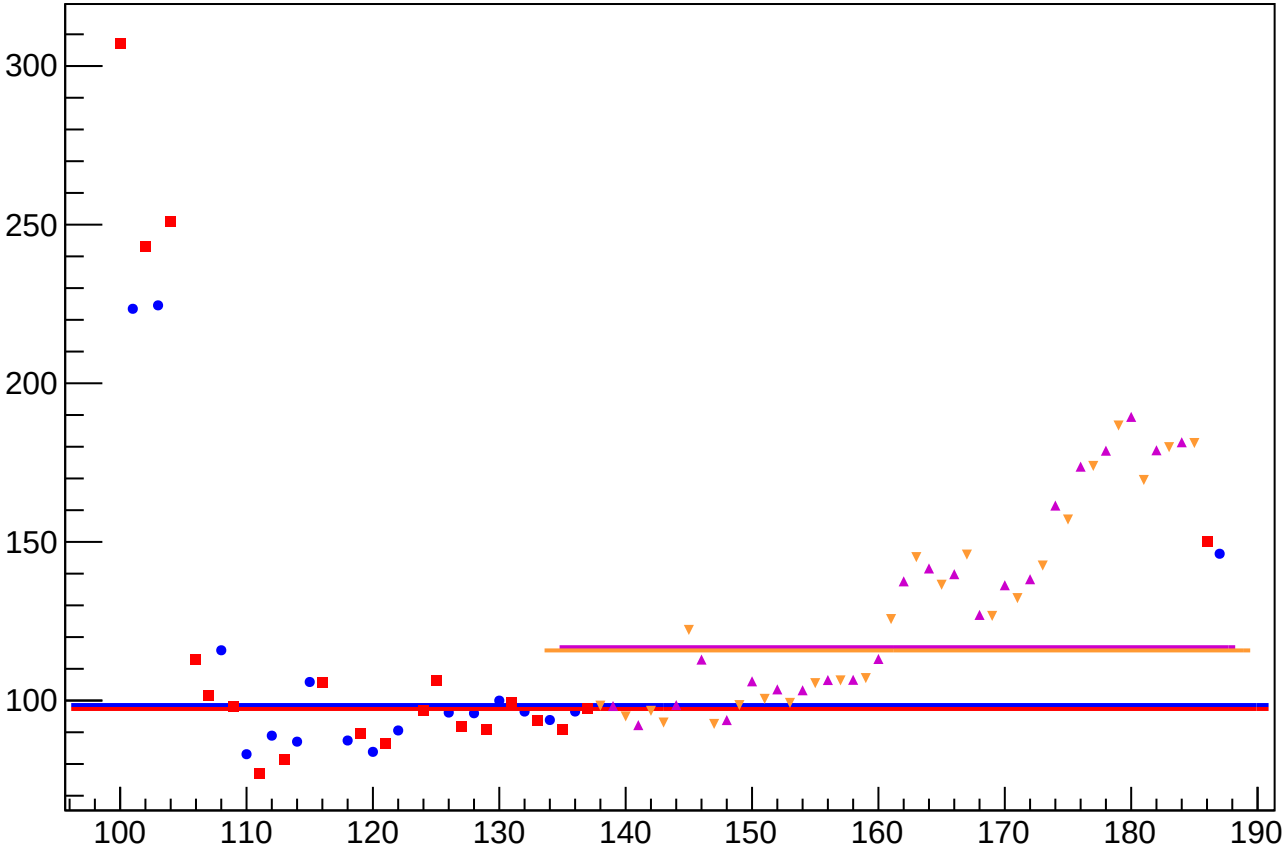
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -3500.235+/-22.274 χ^2/NDF: 96337.4/41

All: -56.597+/-15.813 χ^2/NDF: 188873.6/84

- sign 3442.511+/-22.453 χ^2/NDF: 44348.7/42

asym_bpm2i02WS_rms vs Slug



Right In: 98.581+/-0.027 χ^2/NDF: 908585.6/16

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

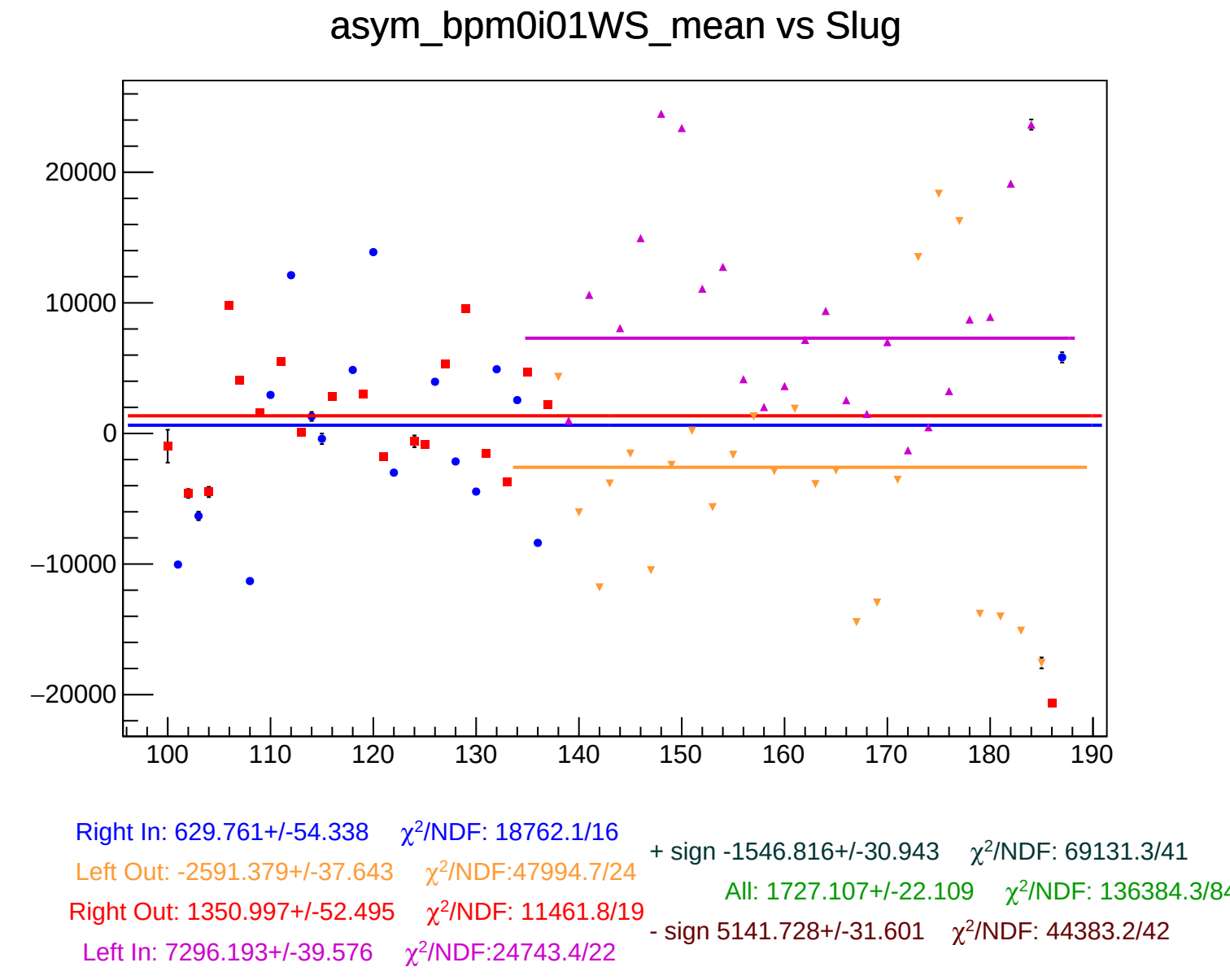
Right Out: 97.346+/-0.026 χ^2/NDF: 1114982.0/19

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

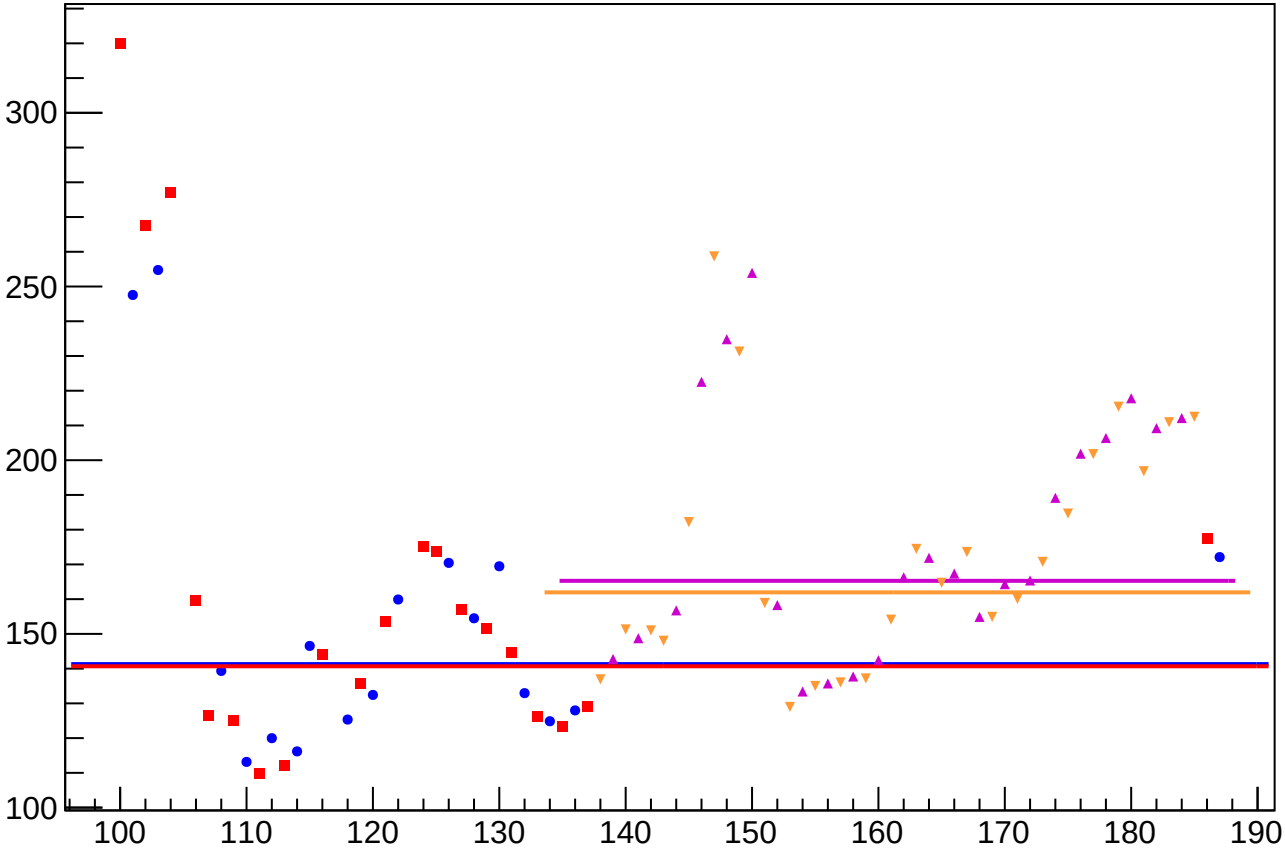
+ sign 110.118+/-0.016 χ^2/NDF: 2921750.4/41

All: 109.903+/-0.011 χ^2/NDF: 6003476.4/84

- sign 109.684+/-0.016 χ^2/NDF: 3081349.2/42


asym_bpm0i01WS_mean vs Slug
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 629.761+/-54.338 χ²/NDF: 18762.1/16
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: 1350.997+/-52.495 χ²/NDF: 11461.8/19
Left In: 7296.193+/-39.576 χ²/NDF:24743.4/22
+ sign -1546.816+/-30.943 χ²/NDF: 69131.3/41
All: 1727.107+/-22.109 χ²/NDF: 136384.3/84
- sign 5141.728+/-31.601 χ²/NDF: 44383.2/42

asym_bpm0i01WS_rms vs Slug



Right In: 141.303+/-0.038 χ^2/NDF: 687892.0/16

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 140.678+/-0.037 χ^2/NDF: 838643.7/19

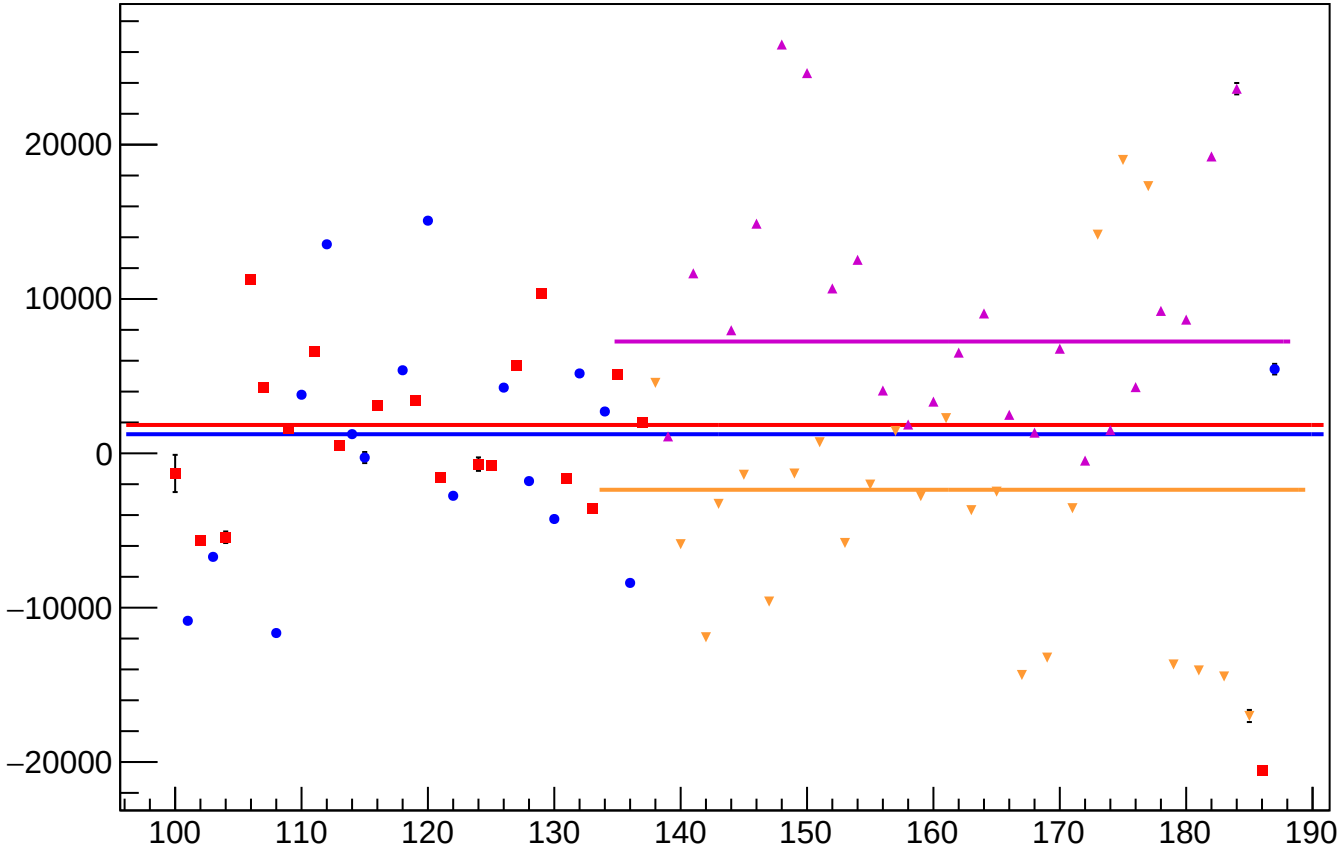
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 155.259+/-0.022 χ^2/NDF: 2027940.2/41

All: 155.798+/-0.016 χ^2/NDF: 4326819.3/84

- sign 156.360+/-0.022 χ^2/NDF: 2297640.8/42

asym_bpm0i01aWS_mean vs Slug



Right In: 1238.233+/-45.526 χ^2/NDF: 30907.4/16

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 1838.042+/-43.534 χ^2/NDF: 16933.1/19

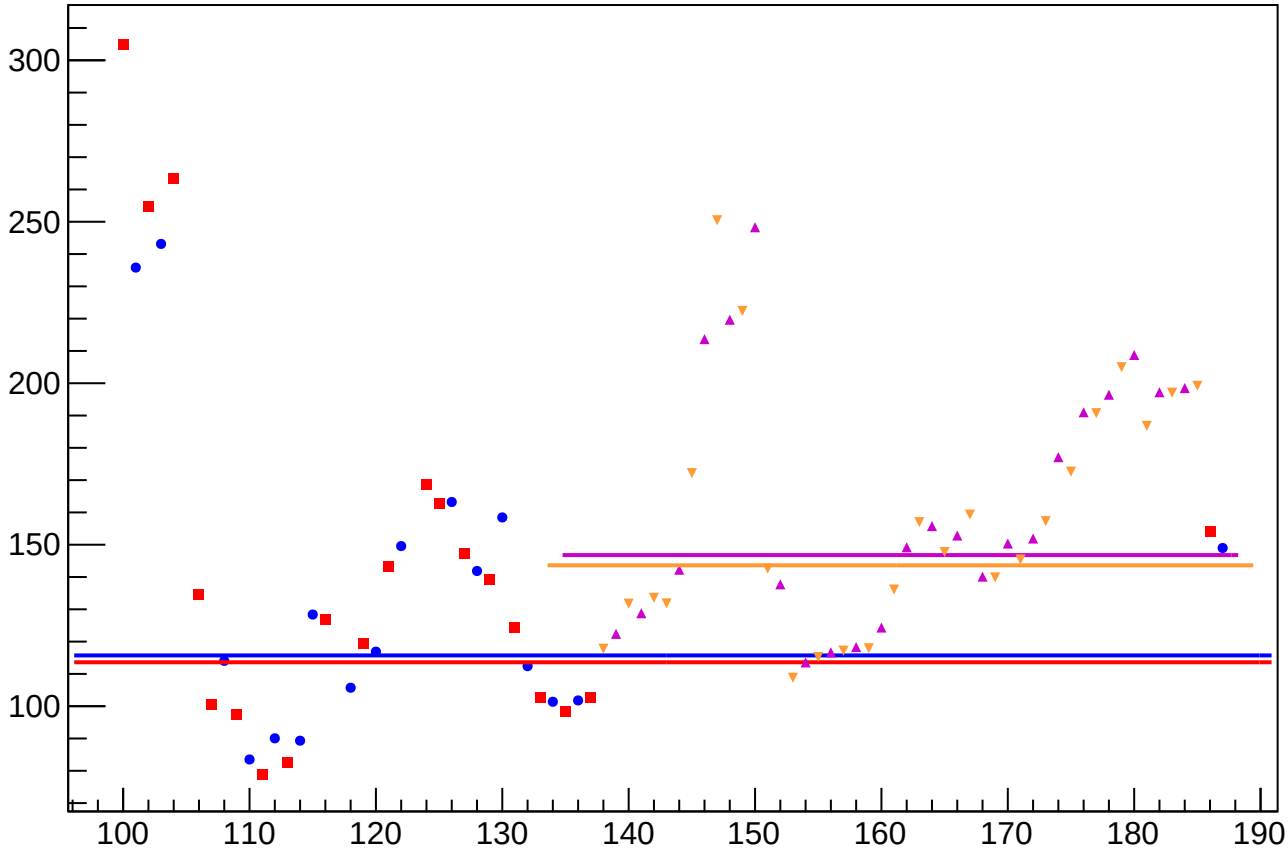
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

\+ sign -1087.722+/-27.076 χ^2/NDF: 93512.7/41

All: 1948.871+/-19.299 χ^2/NDF: 175723.7/84

\- sign 5084.832+/-27.515 χ^2/NDF: 56643.8/42

asym_bpm0i01aWS_rms vs Slug



Right In: 115.719+/-0.032 χ^2/NDF: 1132047.8/16

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 113.599+/-0.031 χ^2/NDF: 1386253.4/19

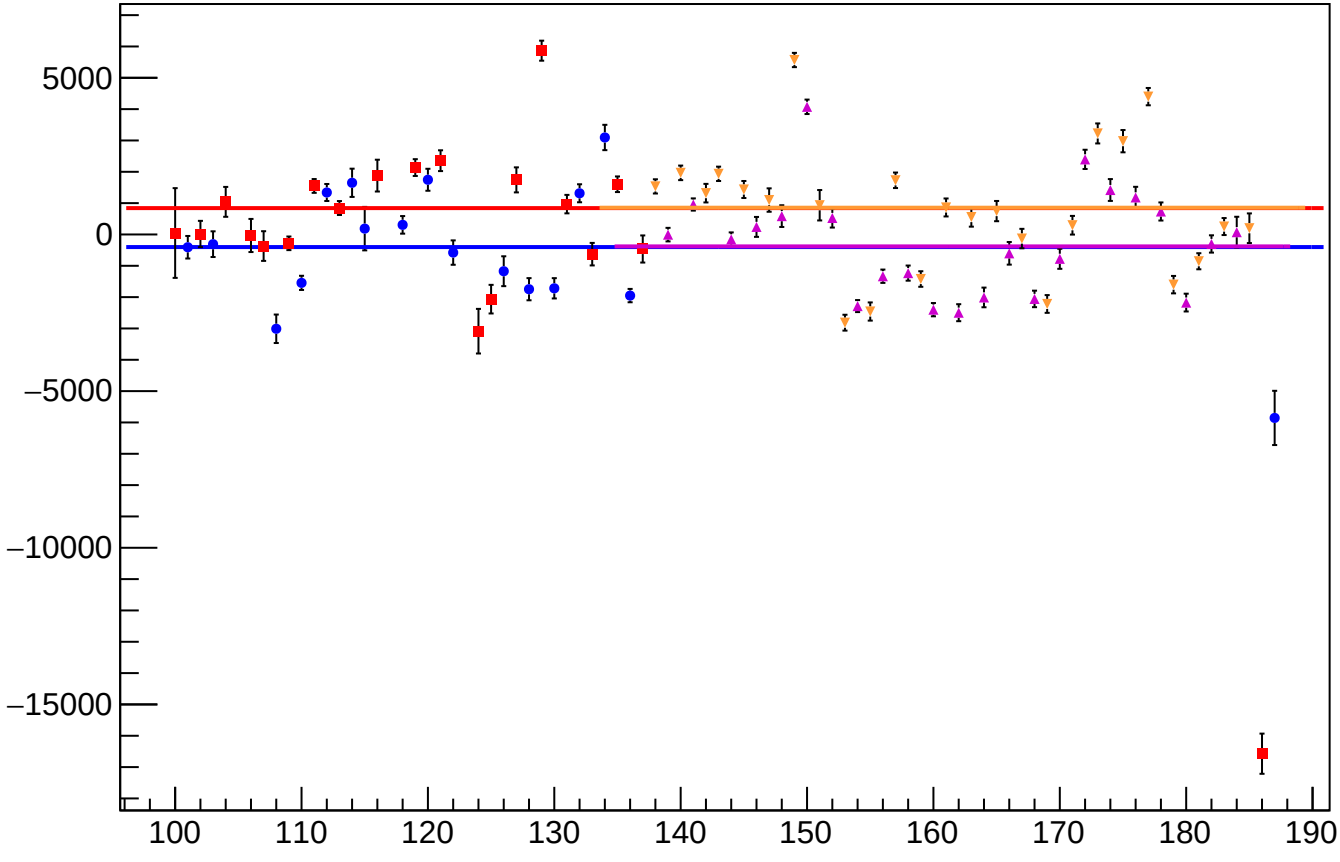
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 133.752+/-0.019 χ^2/NDF: 3280431.0/41

All: 133.644+/-0.014 χ^2/NDF: 7059558.1/84

- sign 133.532+/-0.019 χ^2/NDF: 3779062.2/42

asym_bpm0l01WS_mean vs Slug



Right In: -402.243+/-81.768 χ^2/NDF: 401.9/16

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 841.276+/-75.906 χ^2/NDF: 1195.1/19

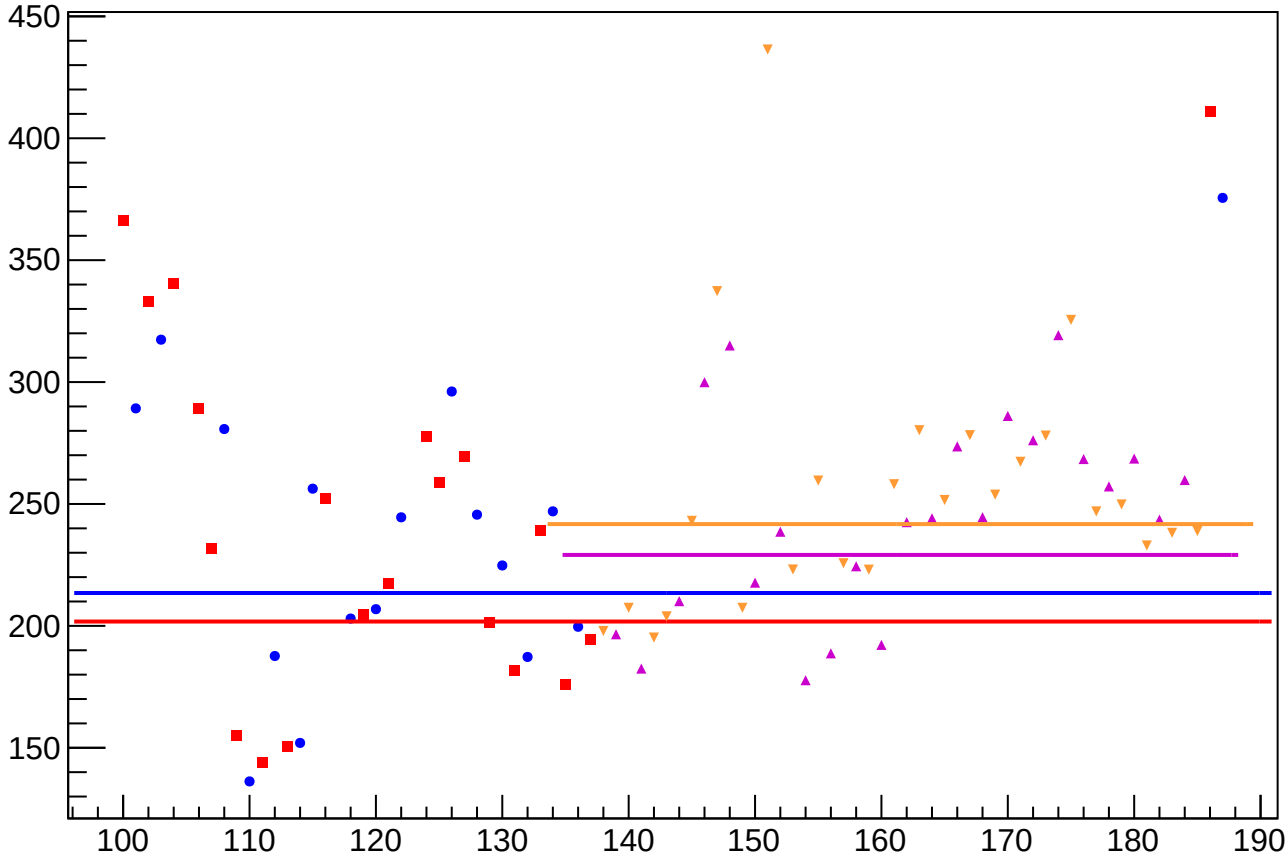
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 450.543+/-46.336 χ^2/NDF: 2005.9/41

All: 238.121+/-32.137 χ^2/NDF: 4393.6/84

- sign 41.235+/-44.609 χ^2/NDF: 2347.2/42

asym_bpm0l01WS_rms vs Slug



Right In: 213.487+/-0.058 χ^2/NDF: 761113.2/16

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 201.784+/-0.054 χ^2/NDF: 1191095.2/19

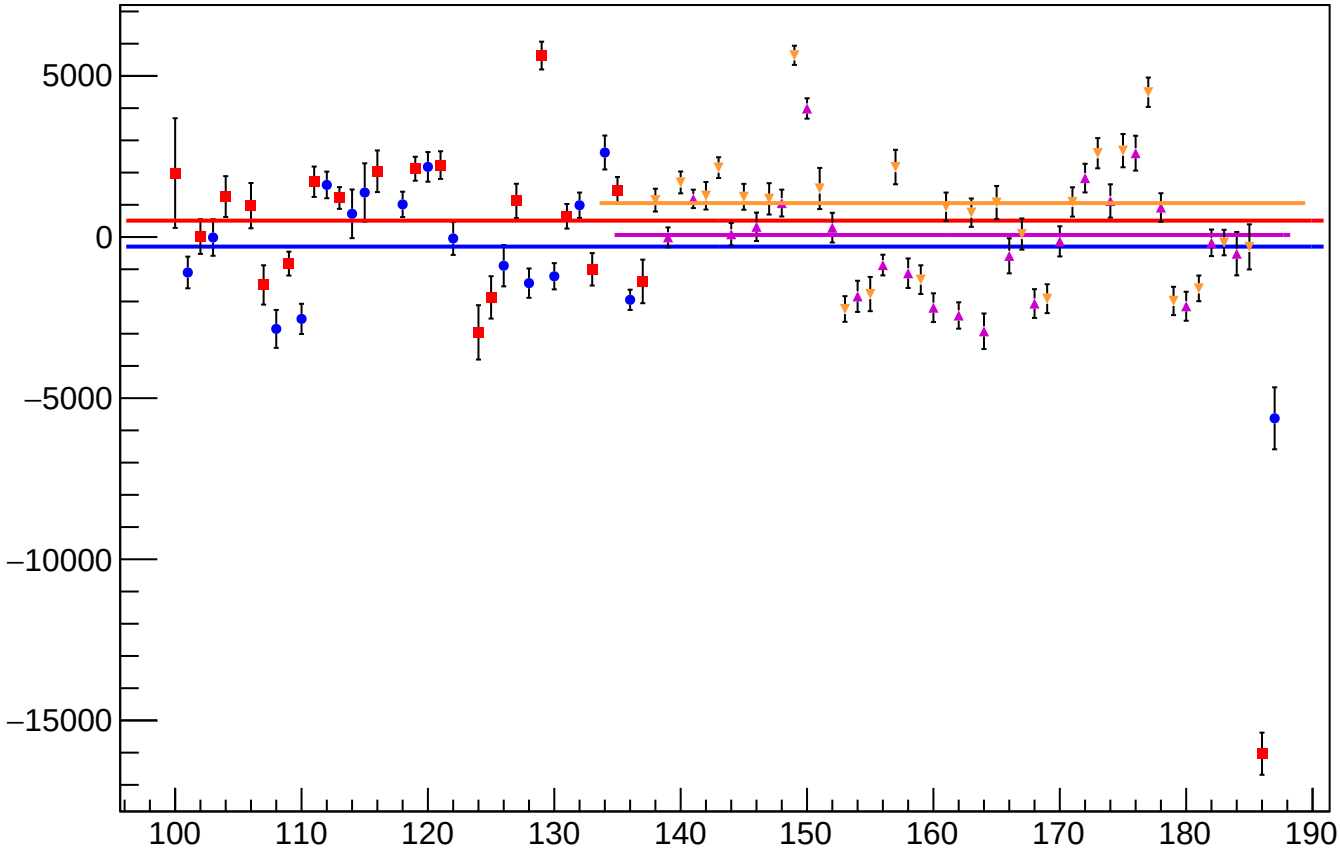
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.672+/-0.033 χ^2/NDF: 1909671.9/41

All: 225.923+/-0.023 χ^2/NDF: 4421062.4/84

- sign 219.668+/-0.032 χ^2/NDF: 2429643.8/42

asym_bpm0l02WS_mean vs Slug



Right In: -296.986+/-117.012 χ^2/NDF: 223.3/16

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 508.922+/-111.458 χ^2/NDF: 912.3/19

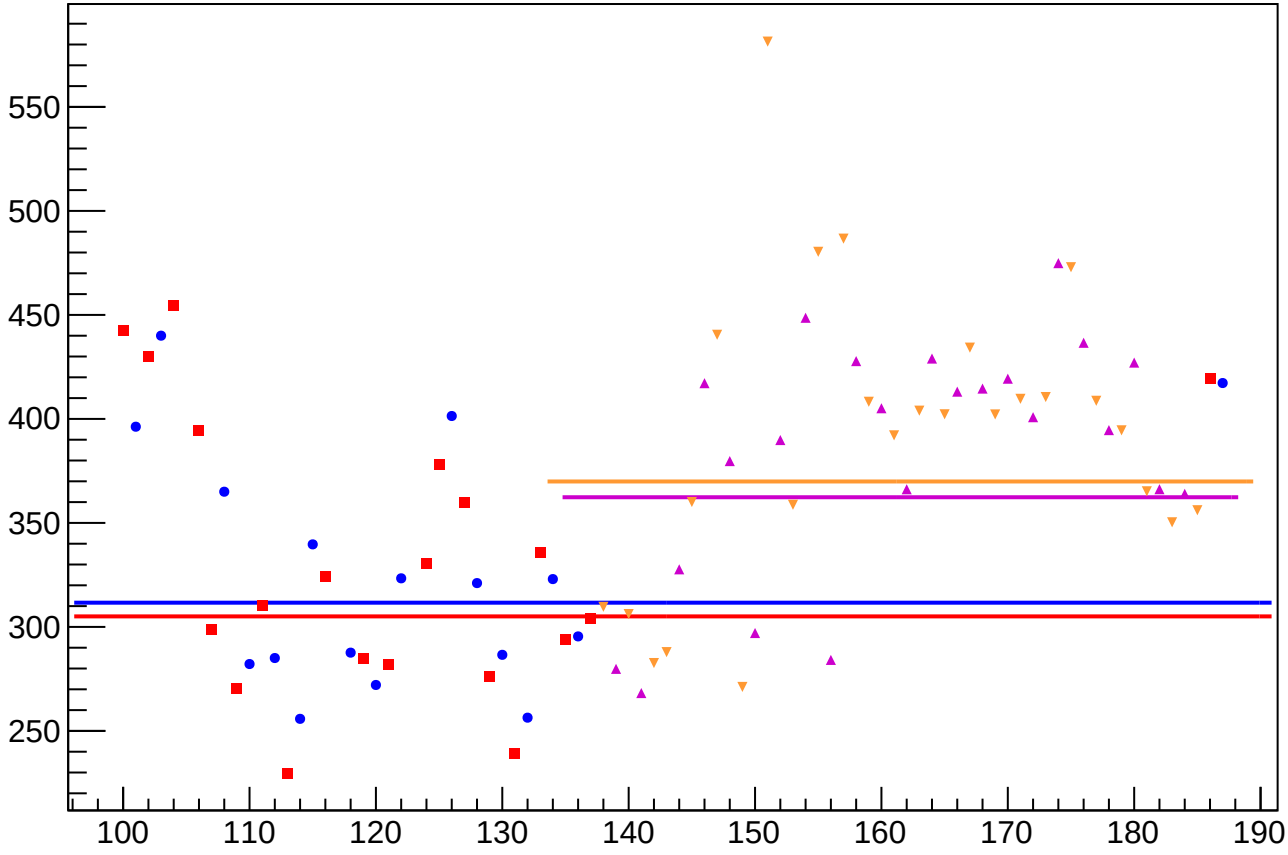
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 580.504+/-69.242 χ^2/NDF: 924.5/41

All: 404.172+/-48.666 χ^2/NDF: 2253.9/84

- sign 232.032+/-68.414 χ^2/NDF: 1316.6/42

asym_bpm0l02WS_rms vs Slug



Right In: 311.648+/-0.083 χ^2/NDF: 347752.1/16

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

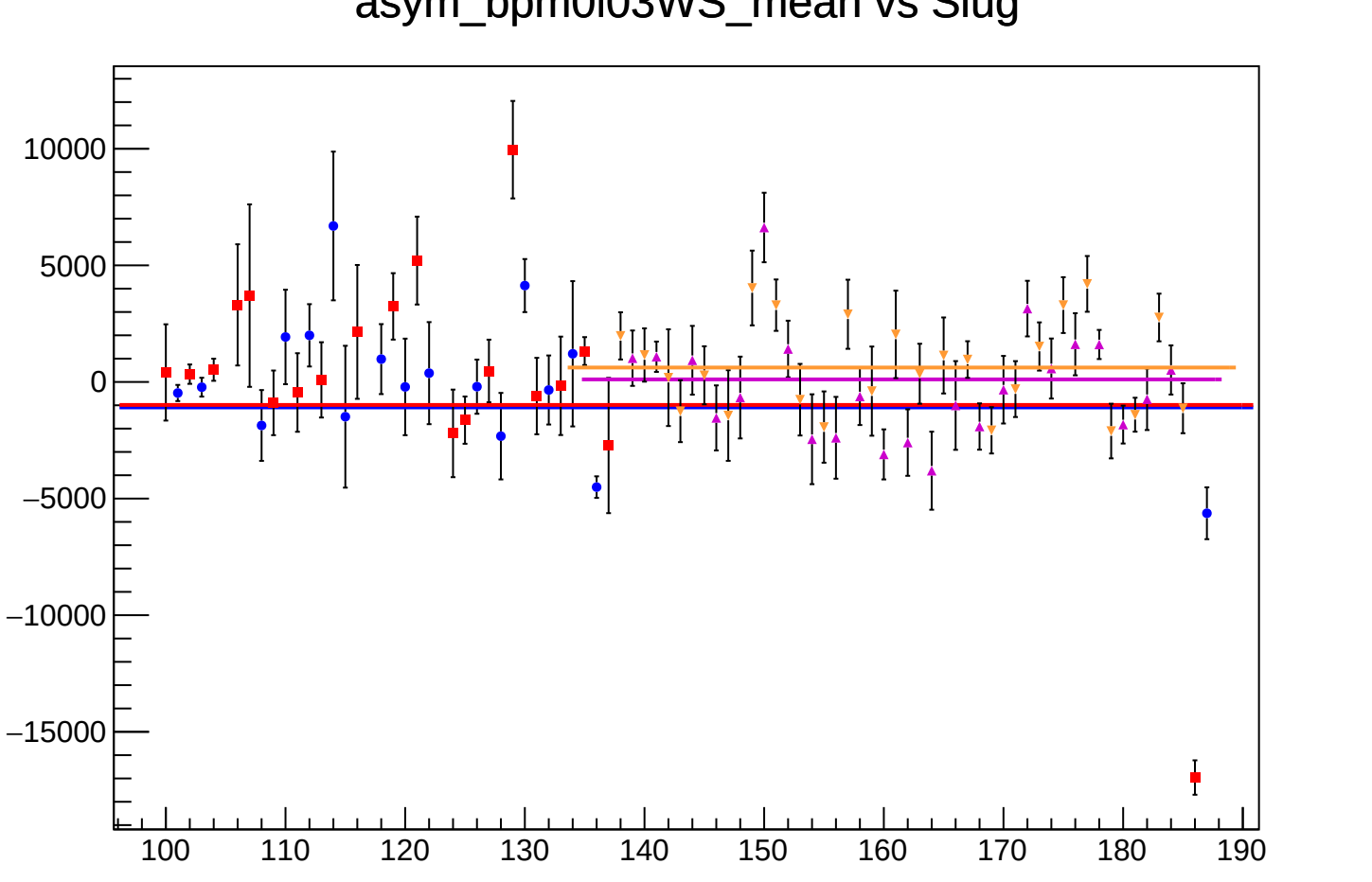
Right Out: 305.060+/-0.079 χ^2/NDF: 583035.0/19

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 349.517+/-0.049 χ^2/NDF: 1900412.4/41

All: 345.086+/-0.034 χ^2/NDF: 3882249.2/84

- sign 340.760+/-0.048 χ^2/NDF: 1965648.5/42



Right In: -1090.955+/-201.329 χ^2/NDF: 118.4/16

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -985.138+/-222.299 χ^2/NDF: 560.4/19

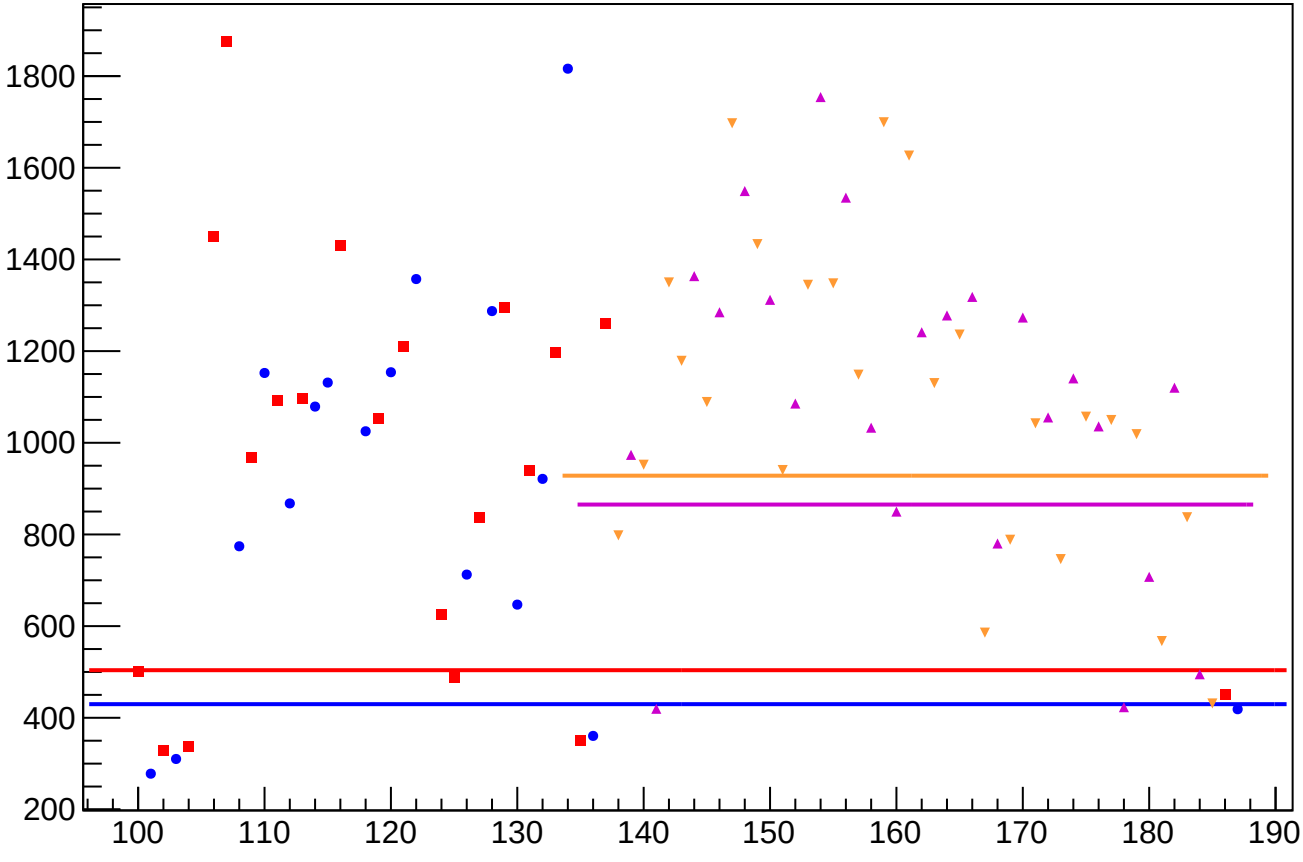
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

\+ sign -378.435+/-153.750 χ^2/NDF: 214.2/41

All: -423.939+/-111.651 χ^2/NDF: 857.8/84

\- sign -474.709+/-162.402 χ^2/NDF: 643.4/42

asym_bpm0l03WS_rms vs Slug



Right In: 429.735+/-0.142 χ^2/NDF: 3522066.2/16

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 503.841+/-0.157 χ^2/NDF: 3685211.9/19

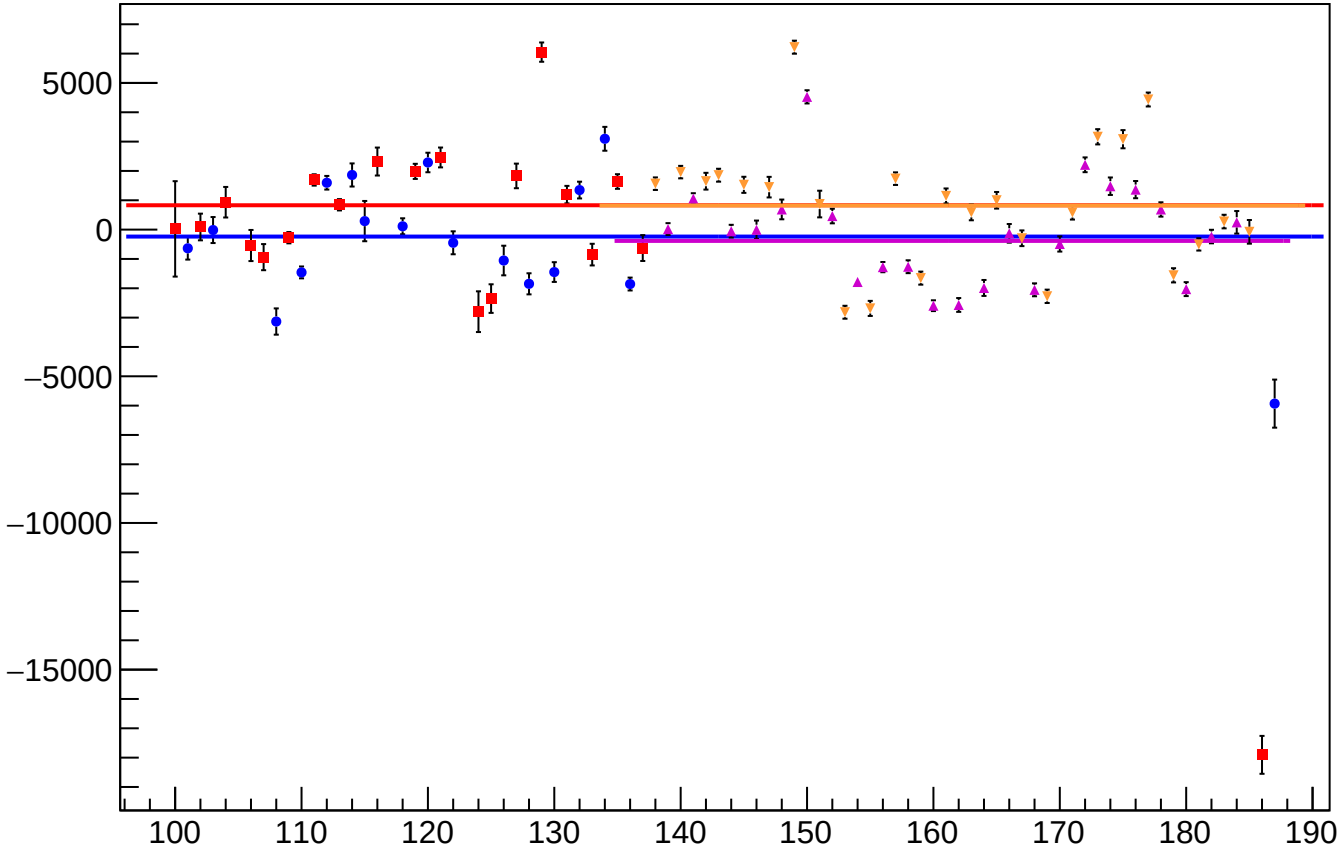
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 637.513+/-0.109 χ^2/NDF: 11927512.2/41

All: 653.979+/-0.079 χ^2/NDF: 22918525.4/84

- sign 672.350+/-0.115 χ^2/NDF: 10942481.0/42

asym_bpm0l04WS_mean vs Slug



Right In: -237.145+/-79.486 χ^2/NDF: 466.5/16

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 830.160+/-72.598 χ^2/NDF: 1343.9/19

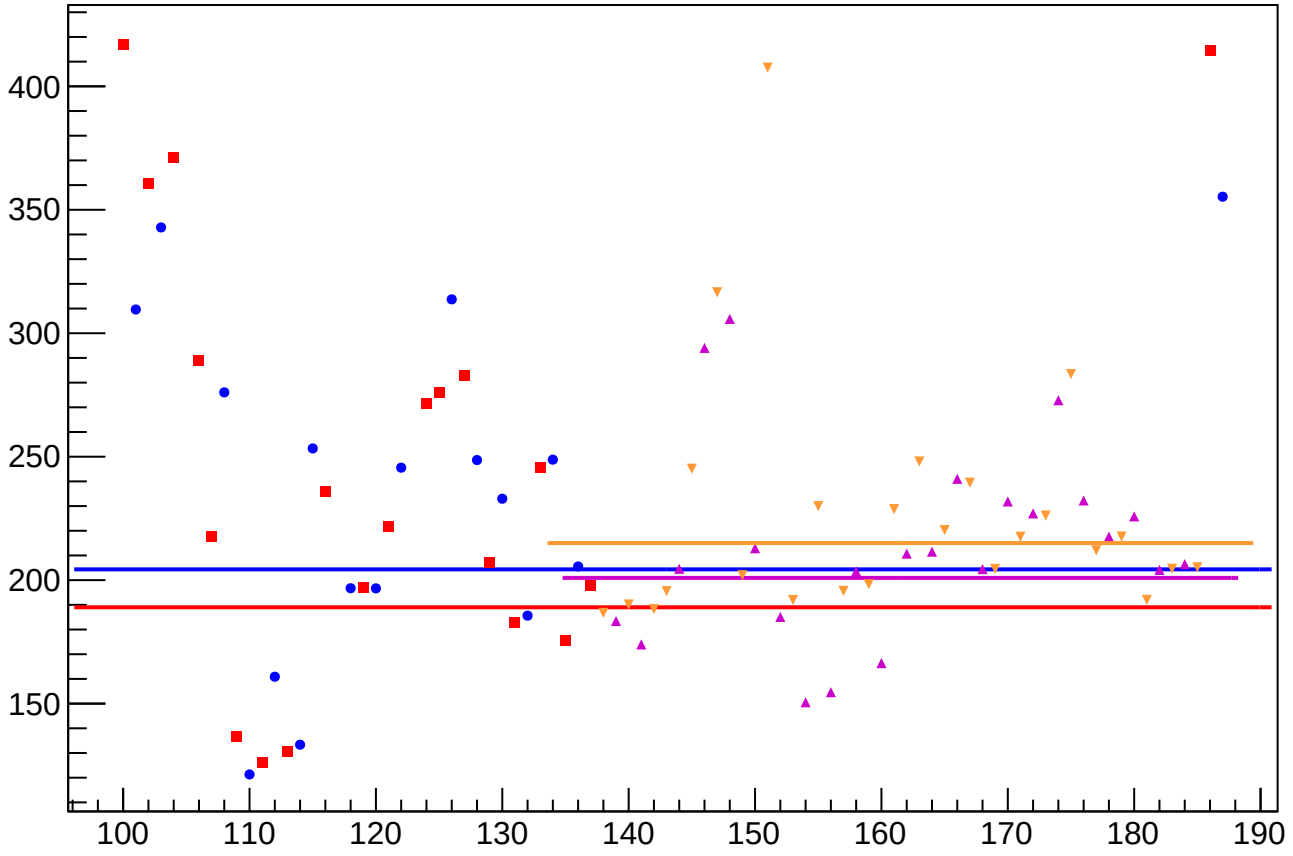
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 520.912+/-42.321 χ^2/NDF: 2584.2/41

All: 242.230+/-29.185 χ^2/NDF: 5457.9/84

- sign -10.506+/-40.302 χ^2/NDF: 2791.0/42

asym_bpm0l04WS_rms vs Slug



Right In: 204.376+/-0.056 χ^2/NDF: 1140377.5/16

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

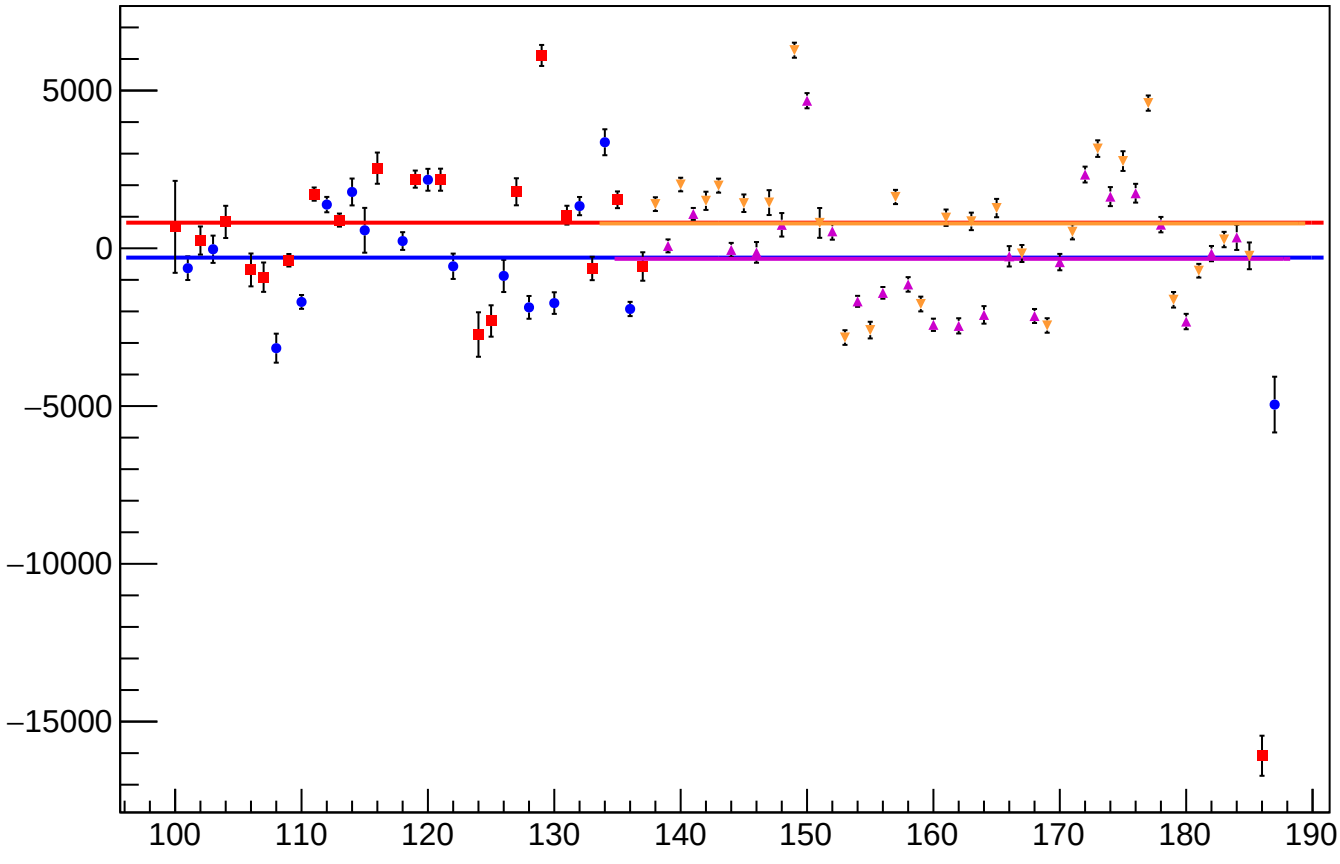
Right Out: 189.011+/-0.051 χ^2/NDF: 1728123.8/19

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 212.007+/-0.030 χ^2/NDF: 2063901.0/41

All: 204.267+/-0.021 χ^2/NDF: 5062655.4/84

- sign 197.248+/-0.028 χ^2/NDF: 2871180.8/42



Right In: -295.110+/-82.132 χ^2/NDF: 437.3/16

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 812.155+/-75.432 χ^2/NDF: 1195.0/19

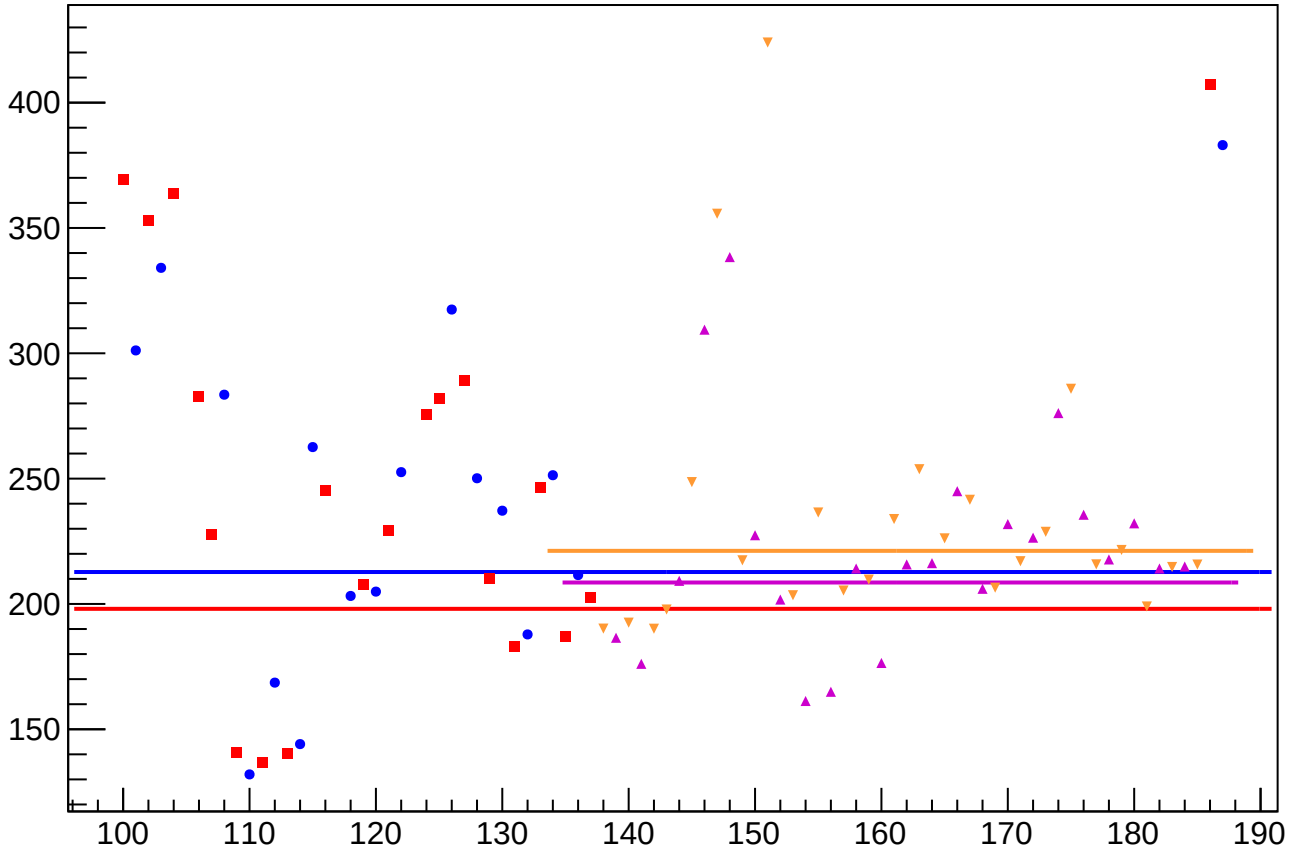
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 483.052+/-43.586 χ^2/NDF: 2452.5/41

All: 240.862+/-30.164 χ^2/NDF: 5081.8/84

- sign 18.238+/-41.788 χ^2/NDF: 2570.0/42

asym_bpm0l05WS_rms vs Slug



Right In: 212.740+/-0.058 χ^2/NDF: 959404.7/16

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 198.051+/-0.053 χ^2/NDF: 1504612.6/19

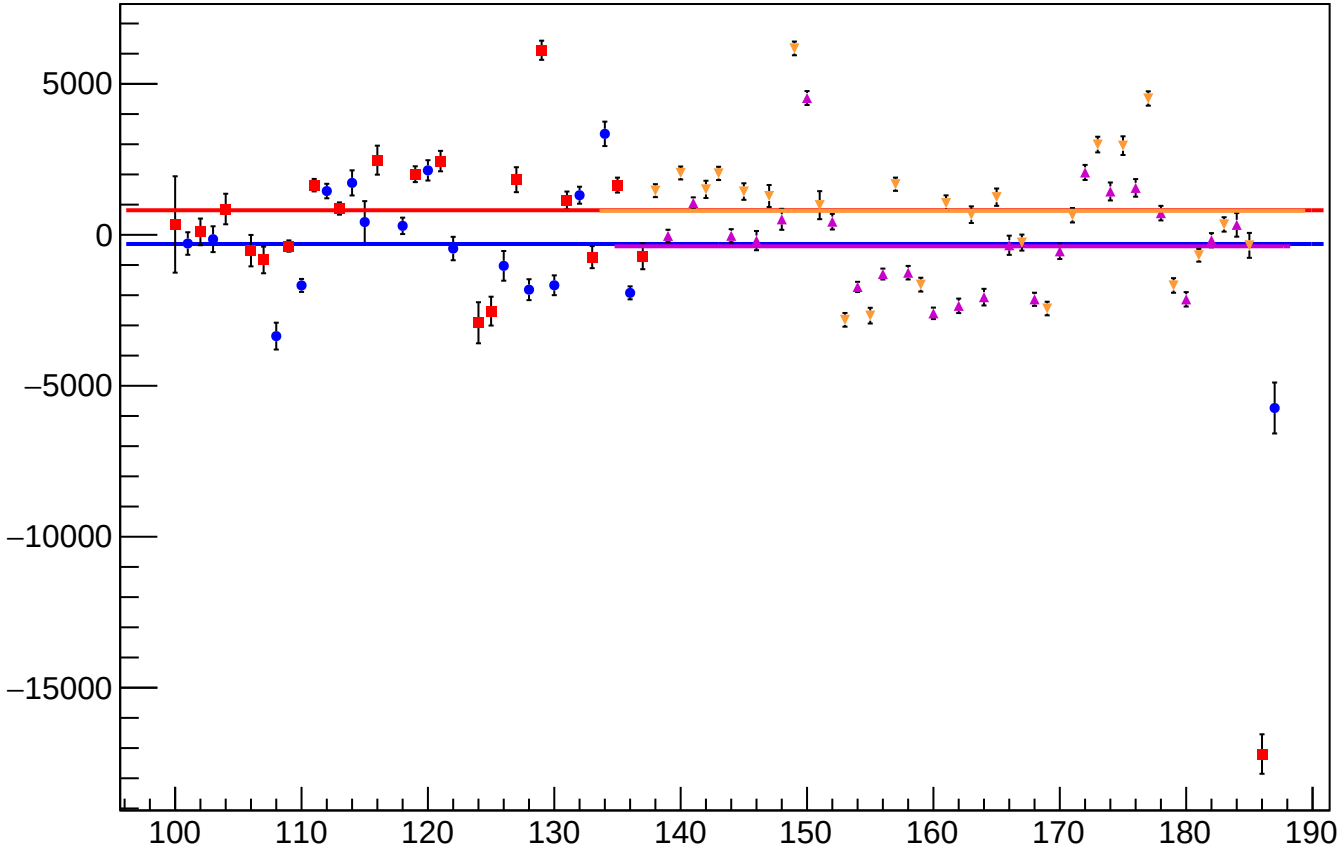
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 218.807+/-0.031 χ^2/NDF: 1914117.3/41

All: 211.786+/-0.021 χ^2/NDF: 4580852.7/84

- sign 205.332+/-0.030 χ^2/NDF: 2567136.7/42

asym_bpm0l06WS_mean vs Slug



Right In: -303.174+/-79.862 χ^2/NDF: 473.9/16

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 813.961+/-72.906 χ^2/NDF: 1300.6/19

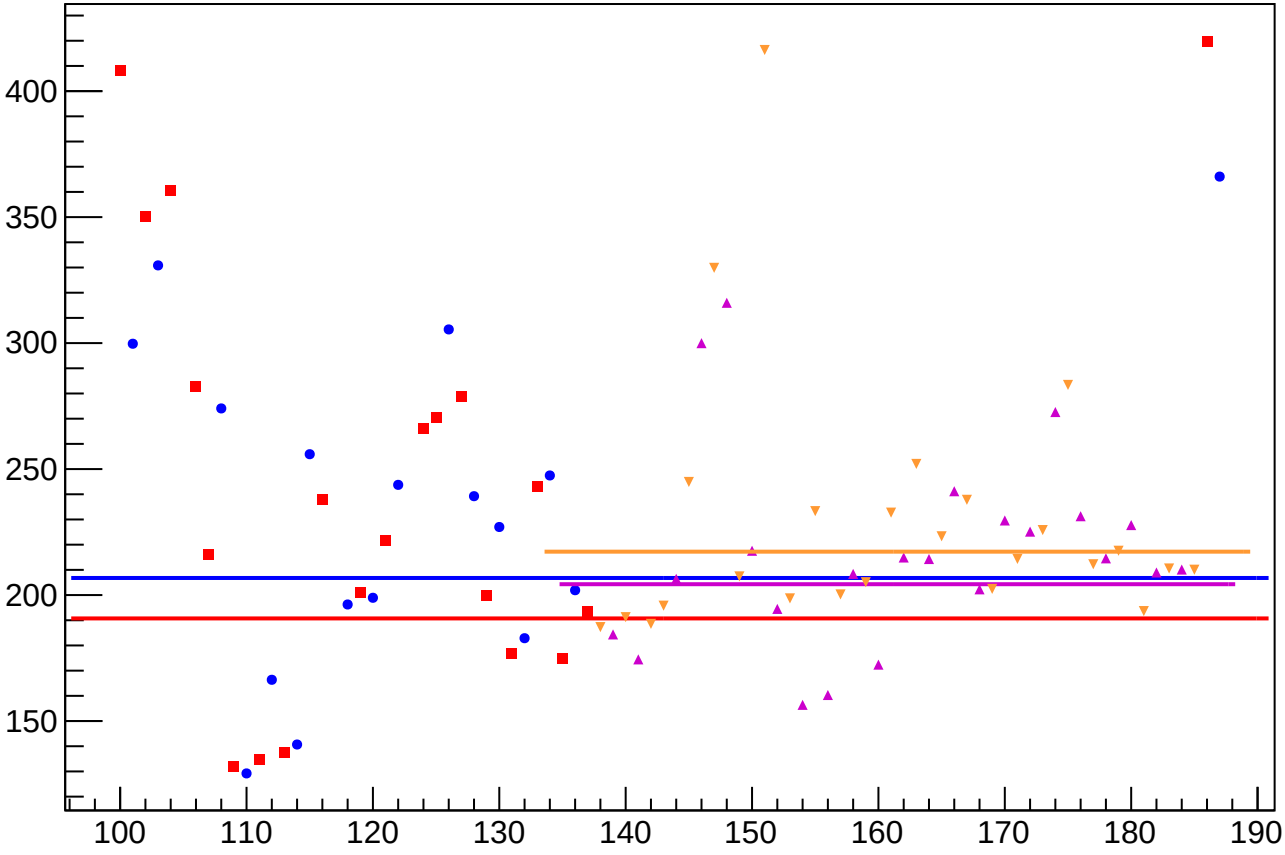
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 483.131+/-42.680 χ^2/NDF: 2570.4/41

All: 227.248+/-29.482 χ^2/NDF: 5325.1/84

- sign -6.284+/-40.773 χ^2/NDF: 2686.0/42

asym_bpm0l06WS_rms vs Slug



Right In: 206.782+/-0.056 χ^2/NDF: 949363.2/16

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 190.725+/-0.052 χ^2/NDF: 1584733.2/19

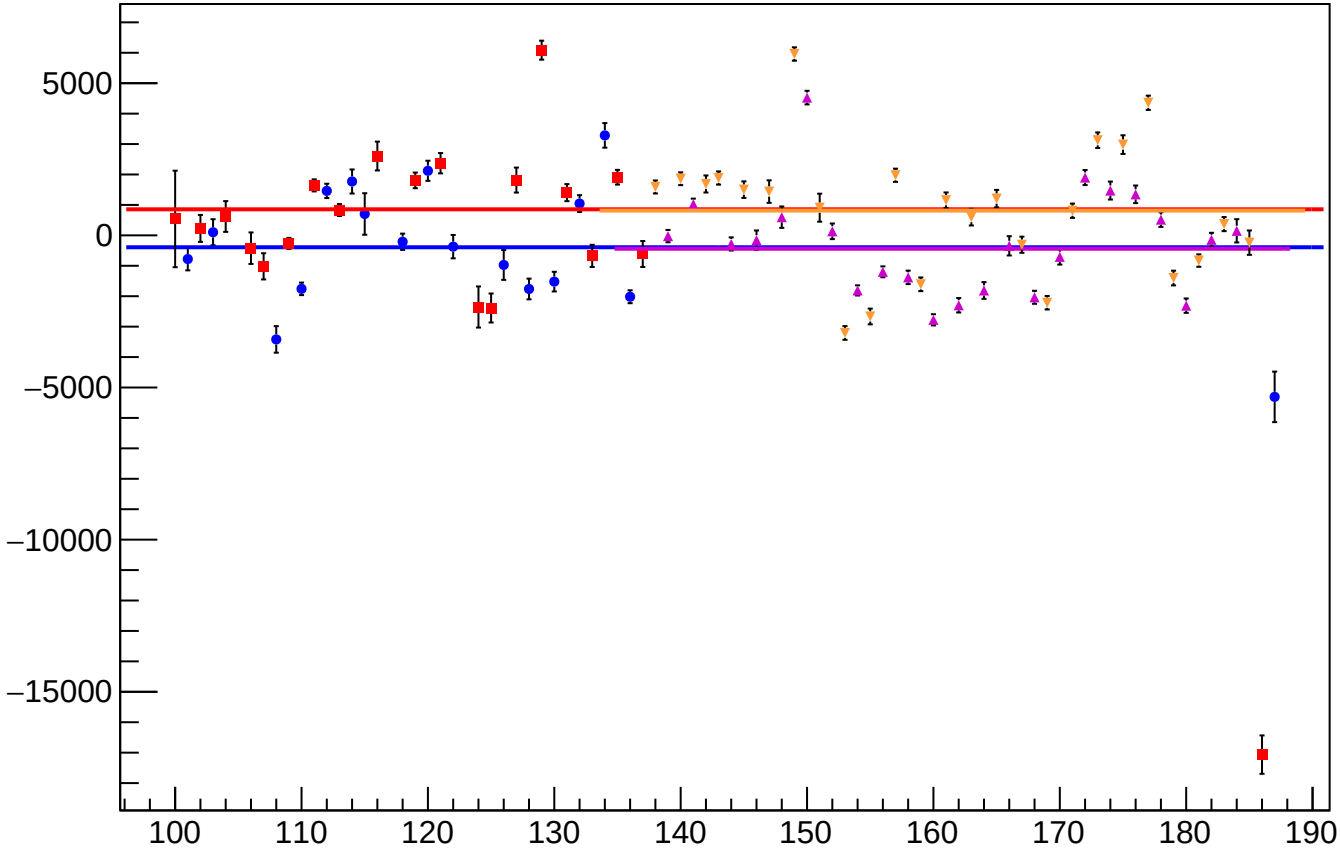
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 214.242+/-0.030 χ^2/NDF: 1884236.9/41

All: 206.827+/-0.021 χ^2/NDF: 4647194.8/84

- sign 200.060+/-0.029 χ^2/NDF: 2647492.8/42

asym_bpm0l07WS_mean vs Slug



Right In: -391.654+/-78.218 χ^2/NDF: 481.1/16

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 856.068+/-71.083 χ^2/NDF: 1344.9/19

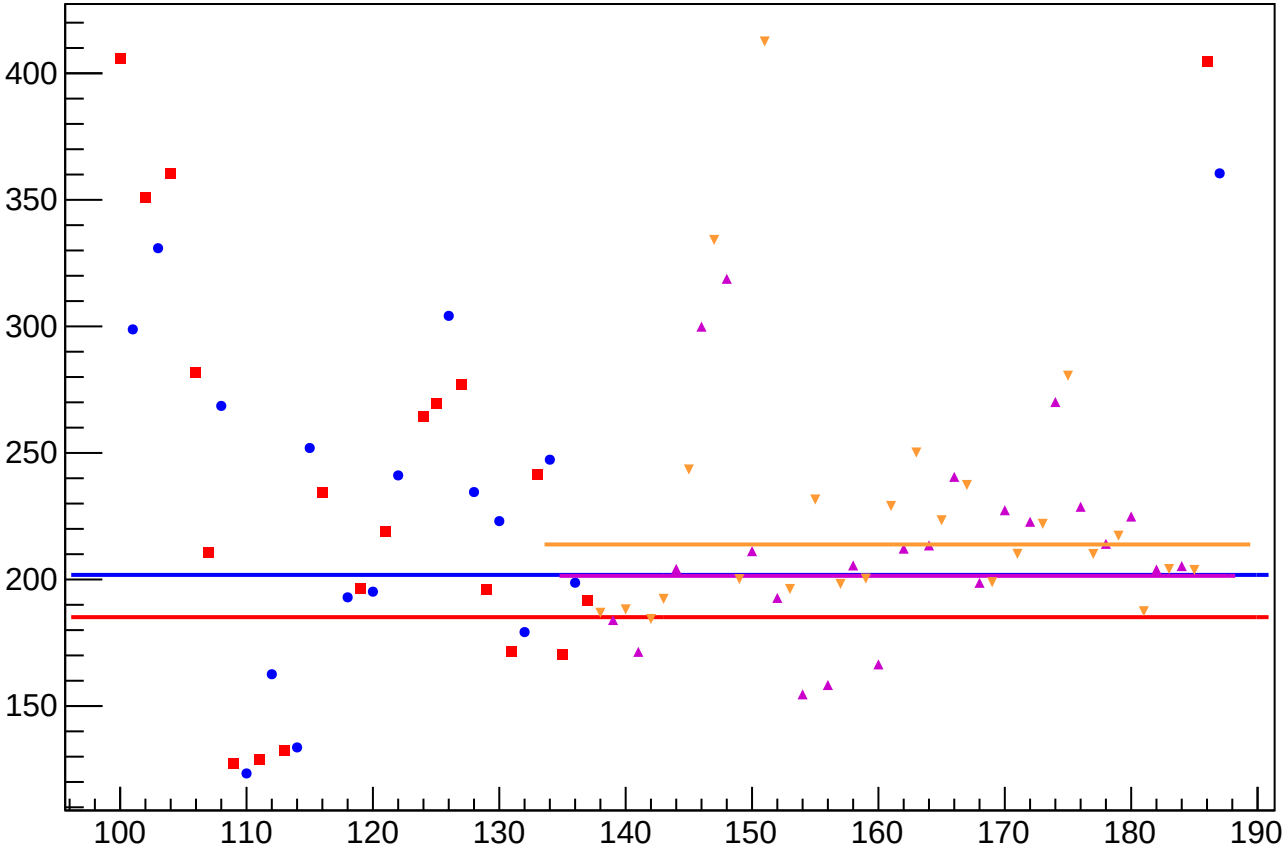
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 466.836+/-41.984 χ^2/NDF: 2650.7/41

All: 208.136+/-28.992 χ^2/NDF: 5529.8/84

- sign -27.665+/-40.083 χ^2/NDF: 2806.5/42

asym_bpm0l07WS_rms vs Slug



Right In: 201.818+/-0.055 χ^2/NDF: 1032618.5/16

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 185.125+/-0.050 χ^2/NDF: 1692375.1/19

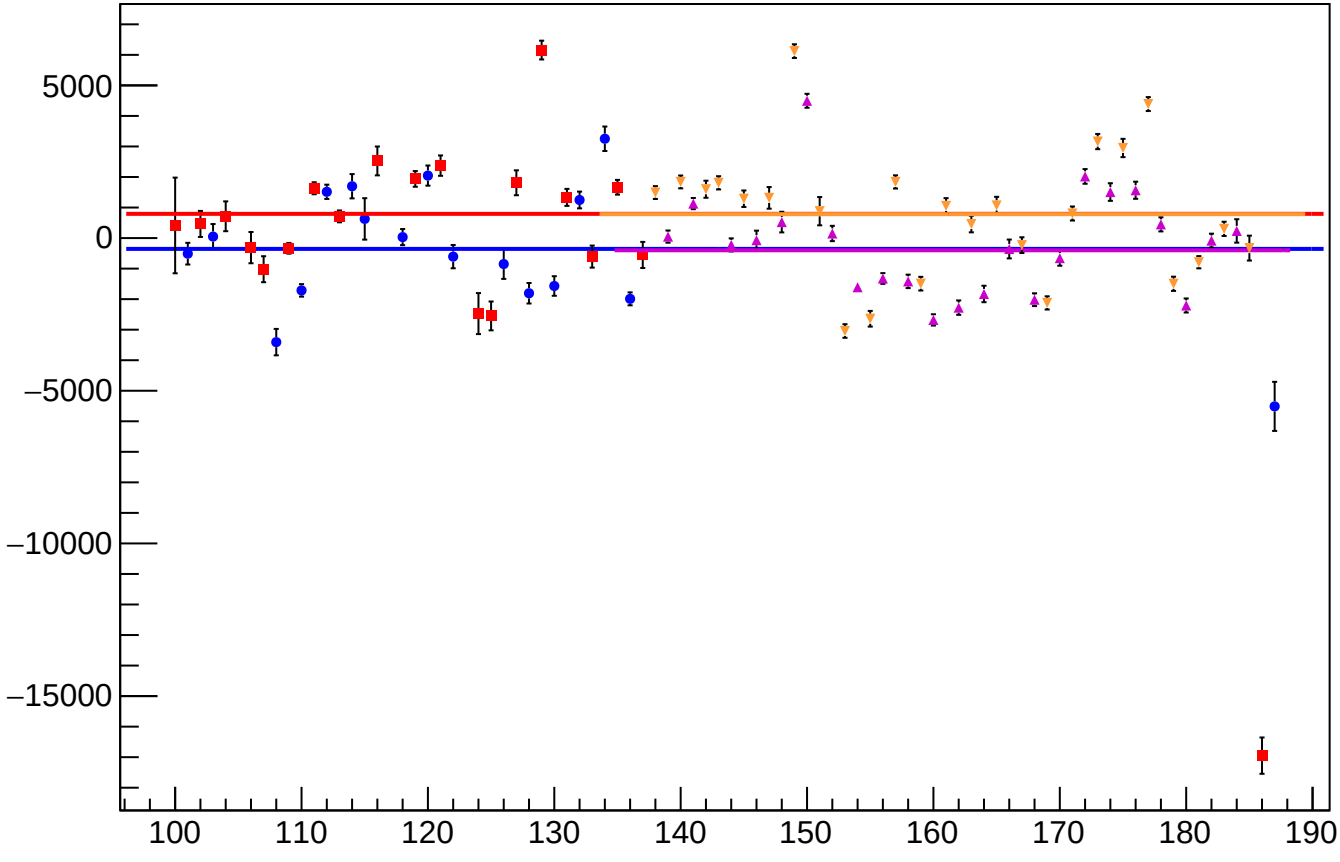
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 210.382+/-0.030 χ^2/NDF: 2029879.0/41

All: 202.992+/-0.021 χ^2/NDF: 4974587.4/84

- sign 196.256+/-0.028 χ^2/NDF: 2826256.8/42

asym_bpm0l08WS_mean vs Slug



Right In: -354.038+/-77.506 χ^2/NDF: 493.4/16

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 793.568+/-70.327 χ^2/NDF: 1454.7/19

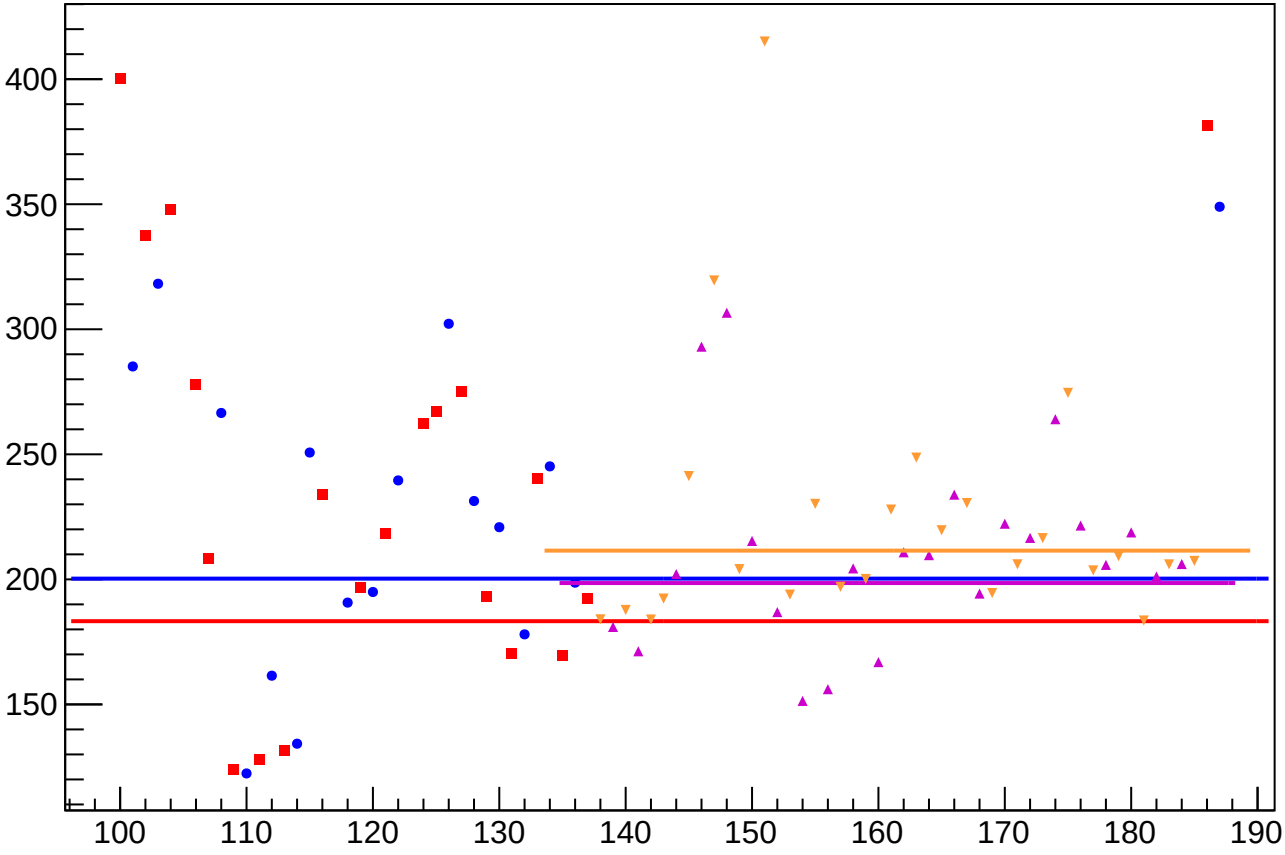
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 455.990+/-41.537 χ^2/NDF: 2647.9/41

All: 204.986+/-28.640 χ^2/NDF: 5601.1/84

- sign -22.502+/-39.543 χ^2/NDF: 2883.6/42

asym_bpm0l08WS_rms vs Slug



Right In: 200.298+/-0.055 χ^2/NDF: 981824.9/16

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 183.283+/-0.050 χ^2/NDF: 1659716.7/19

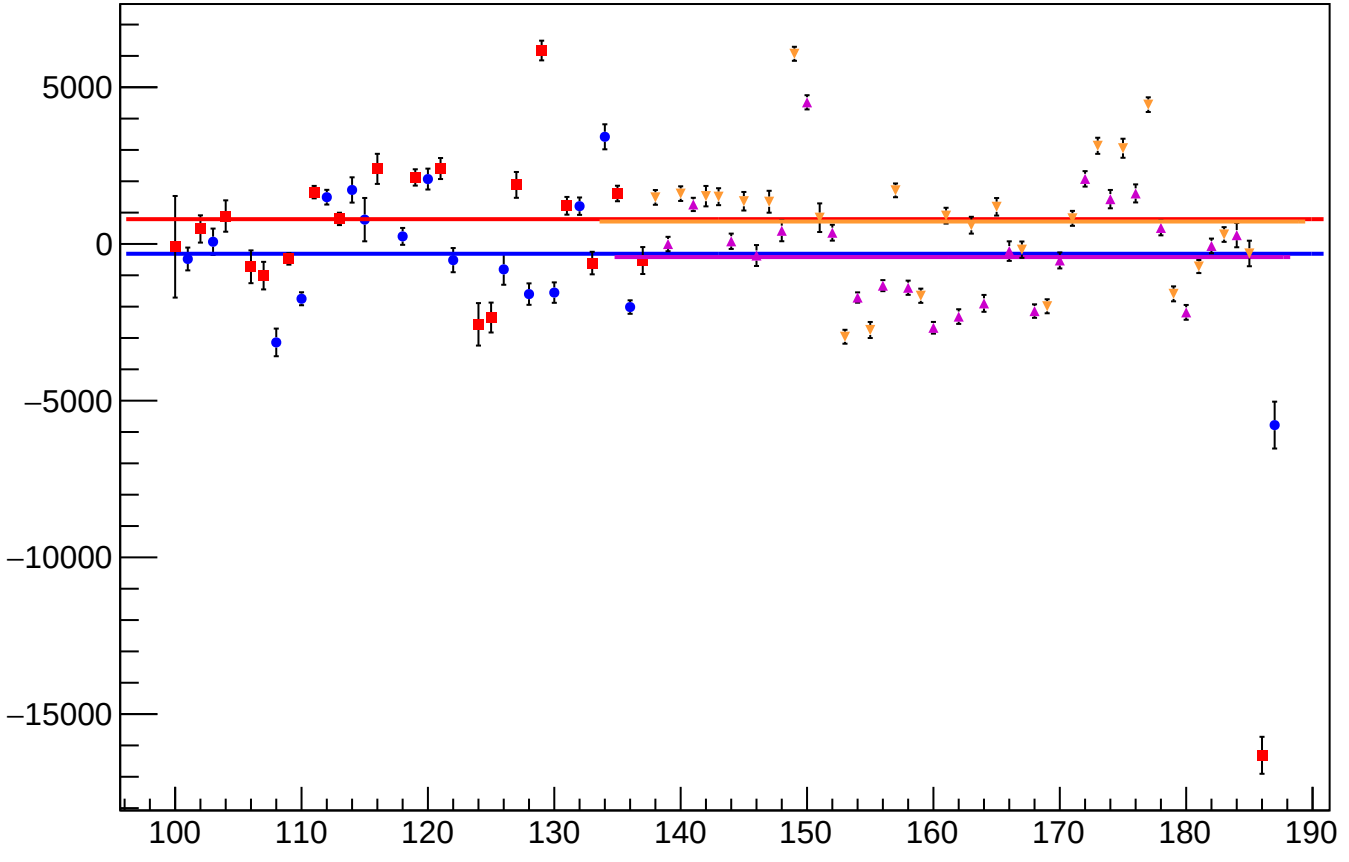
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 208.279+/-0.029 χ^2/NDF: 1946561.8/41

All: 200.634+/-0.020 χ^2/NDF: 4806125.6/84

- sign 193.706+/-0.028 χ^2/NDF: 2730412.2/42

asym_bpm0l09WS_mean vs Slug



Right In: -312.779+/-78.537 χ^2/NDF: 495.3/16

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 791.057+/-71.656 χ^2/NDF: 1399.9/19

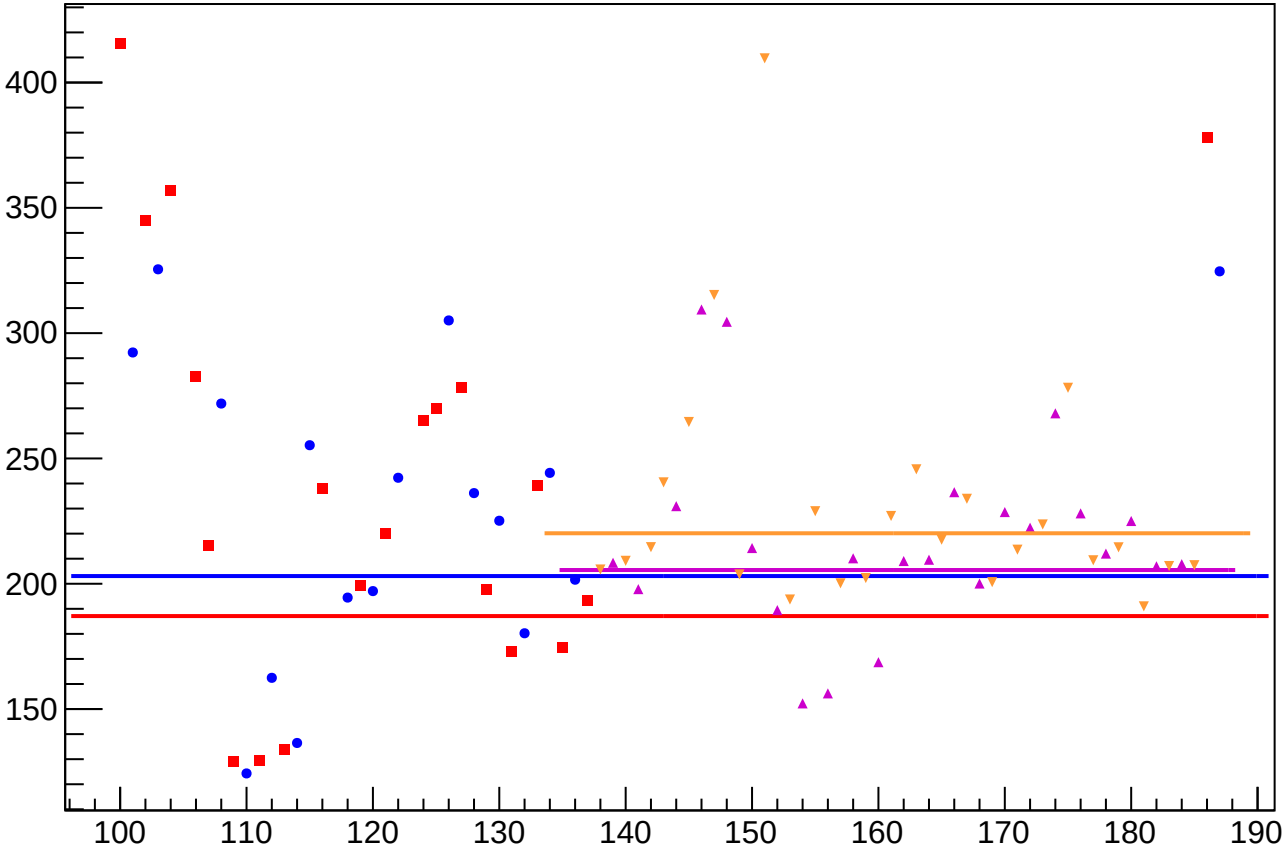
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

\+ sign 409.679+/-42.838 χ^2/NDF: 2533.7/41

All: 180.096+/-29.521 χ^2/NDF: 5422.1/84

\- sign -27.556+/-40.740 χ^2/NDF: 2833.7/42

asym_bpm0l09WS_rms vs Slug



Right In: 203.070+/-0.056 χ^2/NDF: 977689.5/16

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 187.105+/-0.051 χ^2/NDF: 1616735.2/19

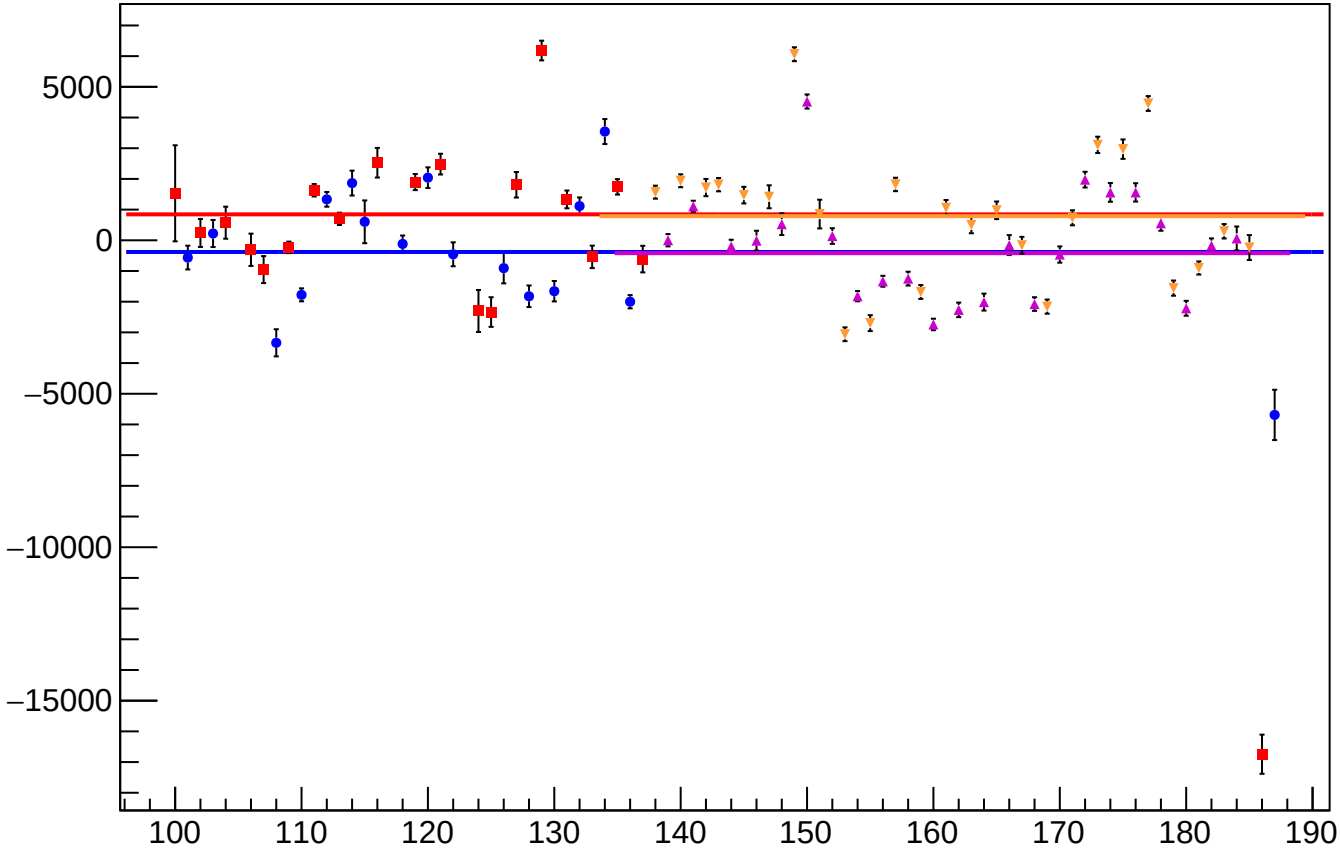
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 215.065+/-0.030 χ^2/NDF: 1843800.1/41

All: 206.914+/-0.021 χ^2/NDF: 4701434.5/84

- sign 199.541+/-0.029 χ^2/NDF: 2719721.5/42

asym_bpm0l10WS_mean vs Slug



Right In: -380.426+/-79.983 χ^2/NDF: 478.8/16

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 845.083+/-72.923 χ^2/NDF: 1272.0/19

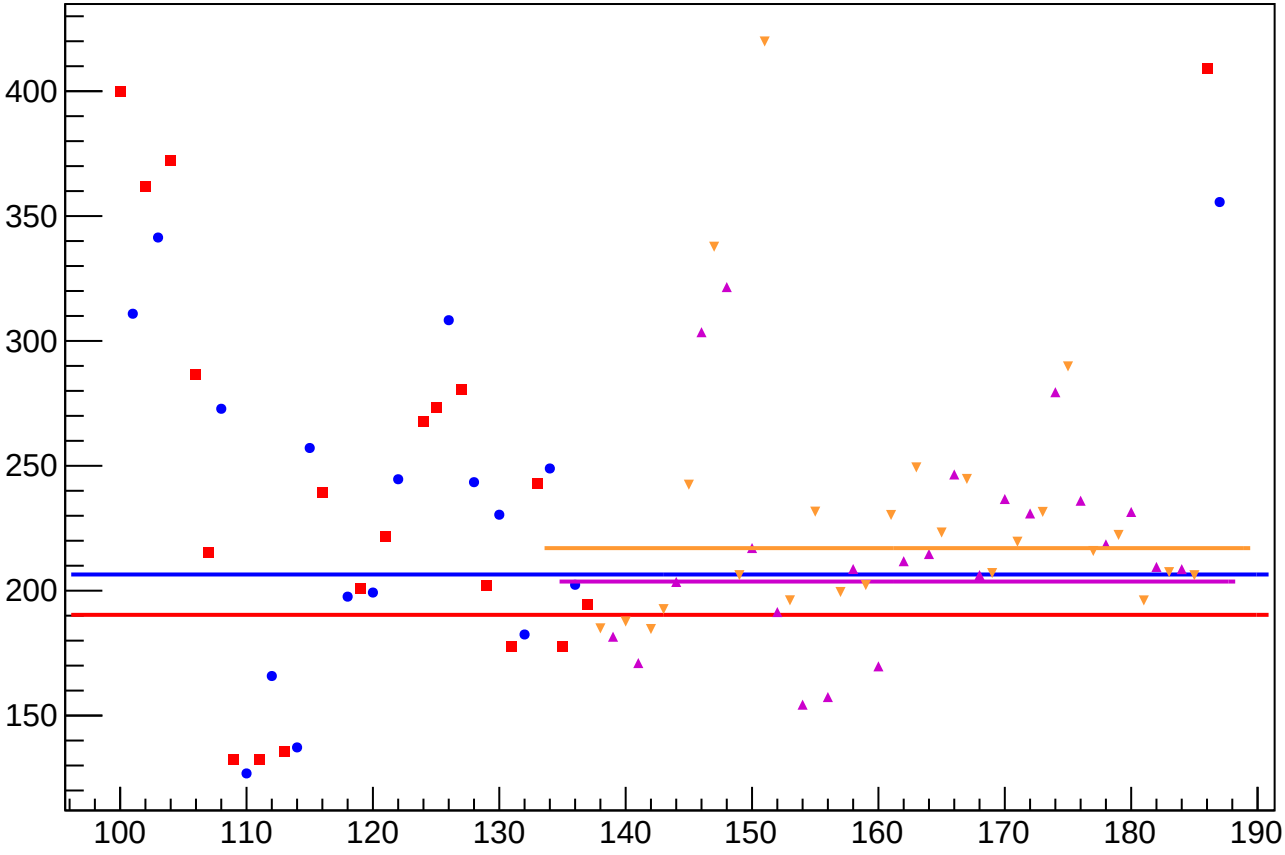
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 453.978+/-42.715 χ^2/NDF: 2568.6/41

All: 203.786+/-29.488 χ^2/NDF: 5323.6/84

- sign -23.999+/-40.758 χ^2/NDF: 2689.5/42

asym_bpm0l10WS_rms vs Slug



Right In: 206.487+/-0.057 χ^2/NDF: 1029907.4/16

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 190.325+/-0.052 χ^2/NDF: 1648815.5/19

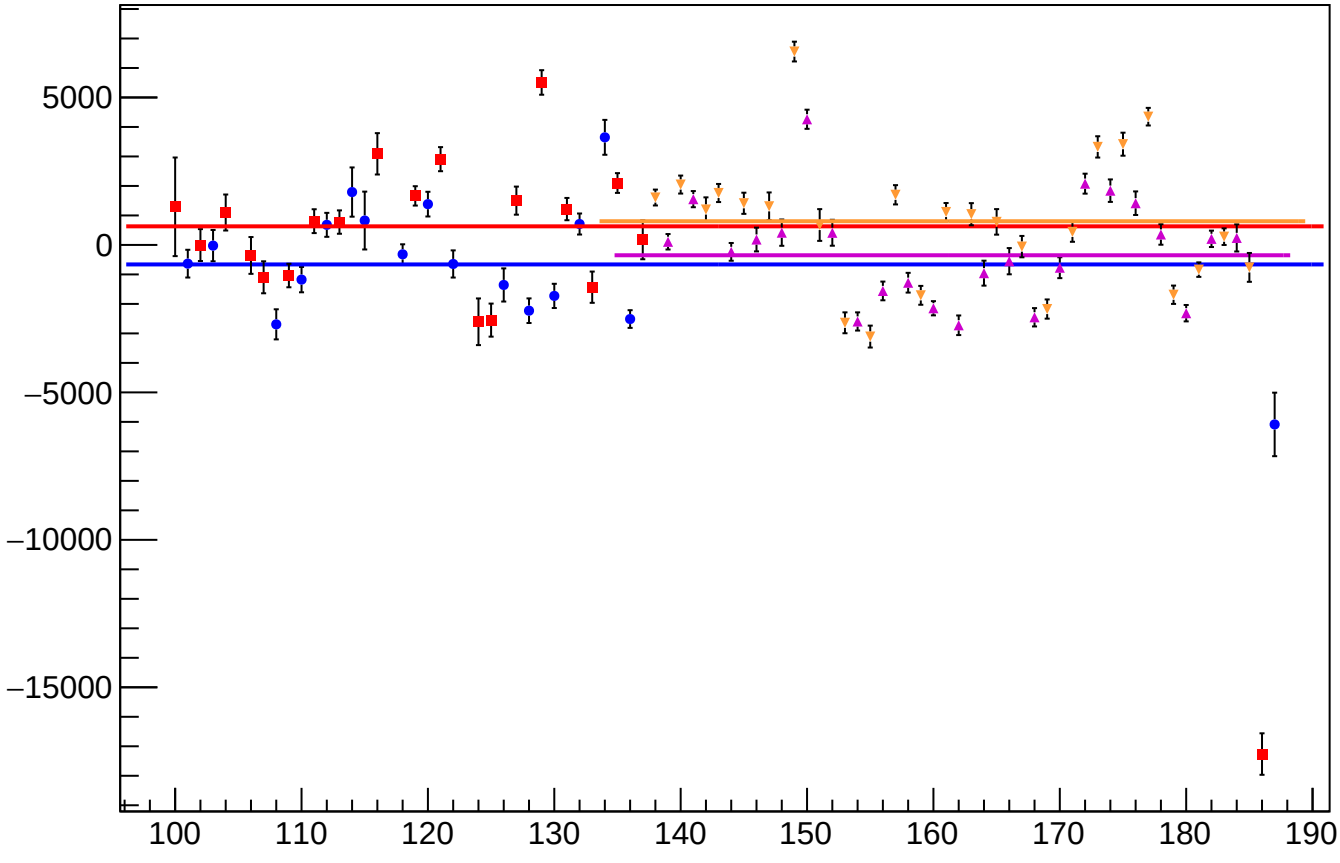
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 214.030+/-0.030 χ^2/NDF: 2037964.4/41

All: 206.422+/-0.021 χ^2/NDF: 5019323.5/84

- sign 199.494+/-0.029 χ^2/NDF: 2860134.4/42

asym_bpm0r03WS_mean vs Slug



Right In: -661.172+/-110.113 χ^2/NDF: 219.2/16

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 630.587+/-107.003 χ^2/NDF: 960.3/19

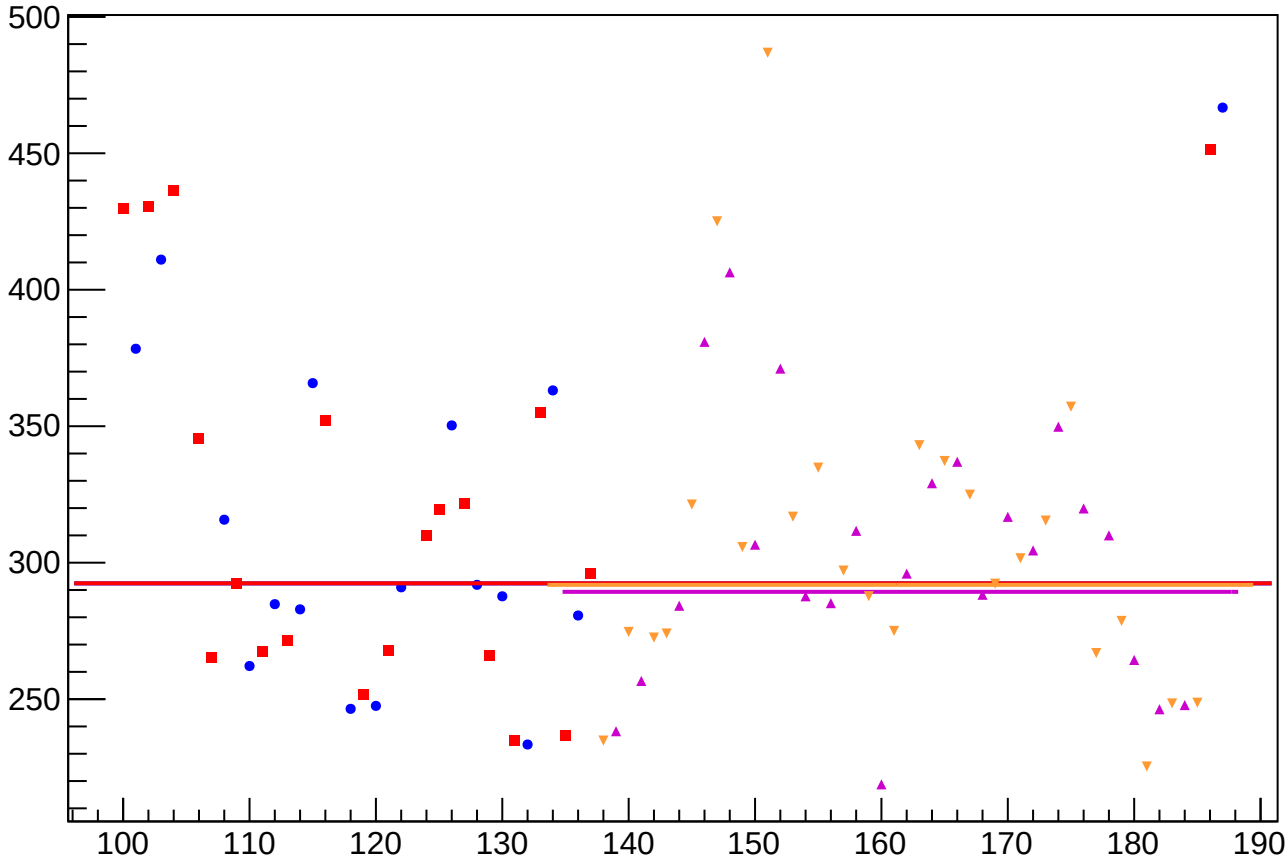
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 401.961+/-57.667 χ^2/NDF: 1405.3/41

All: 171.152+/-40.887 χ^2/NDF: 3113.2/84

- sign -62.165+/-57.980 χ^2/NDF: 1675.7/42

asym_bpm0r03WS_rms vs Slug



Right In: 292.408+/-0.078 χ^2/NDF: 412763.9/16

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 292.450+/-0.076 χ^2/NDF: 593568.4/19

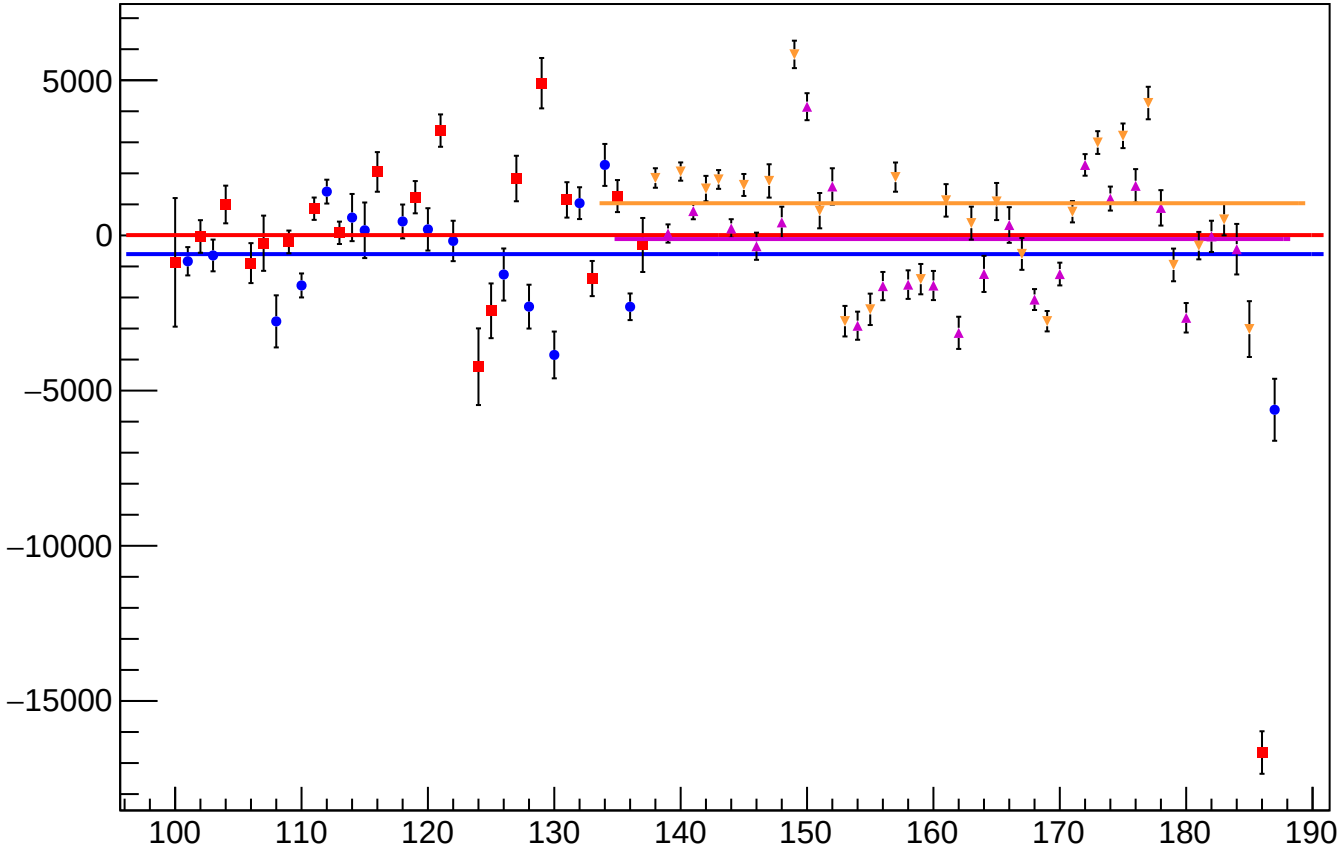
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 292.026+/-0.041 χ^2/NDF: 1372716.2/41

All: 291.138+/-0.029 χ^2/NDF: 2777053.3/84

- sign 290.240+/-0.041 χ^2/NDF: 1403382.2/42

asym_bpm0r05WS_mean vs Slug



Right In: -602.340+/-138.700 χ^2/NDF: 144.0/16

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 10.439+/-127.351 χ^2/NDF: 738.3/19

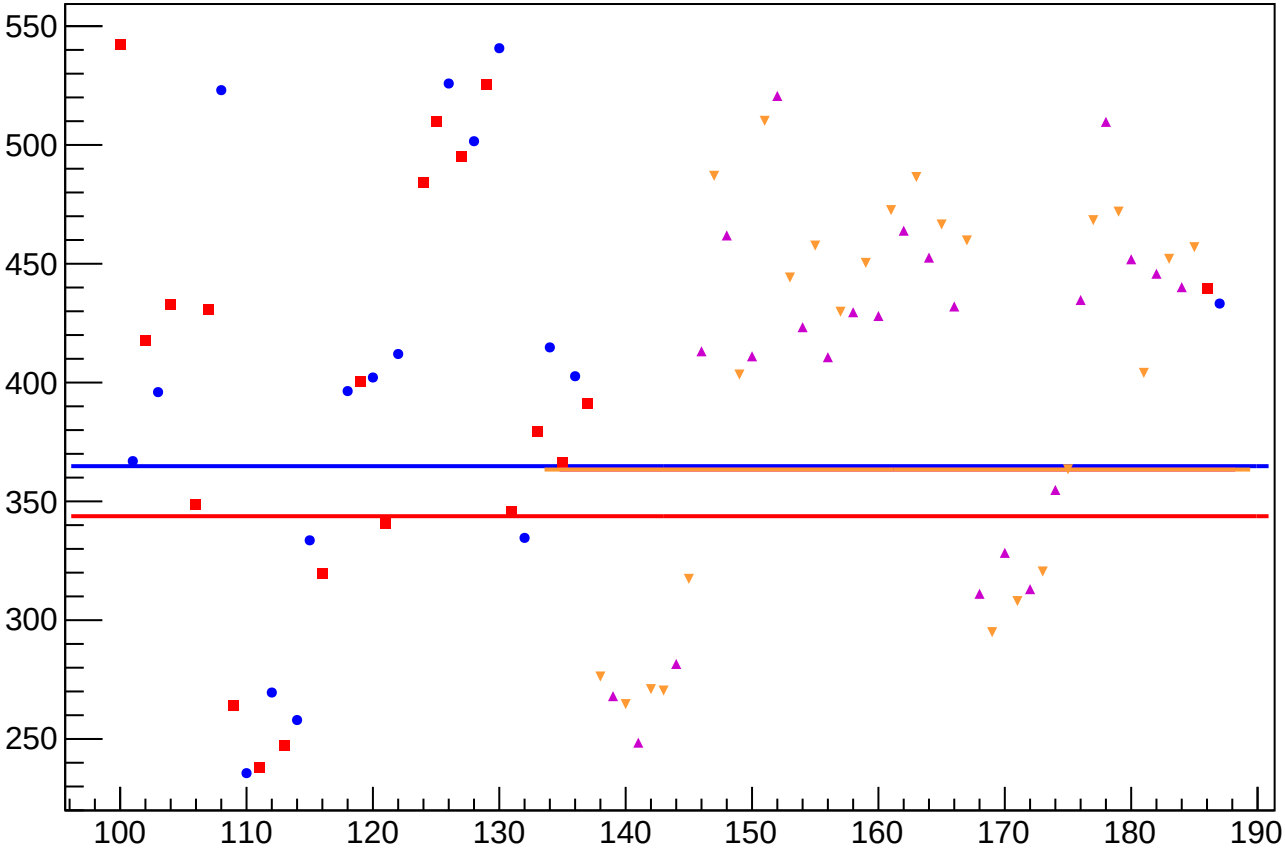
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 588.127+/-72.597 χ^2/NDF: 815.6/41

All: 253.611+/-51.156 χ^2/NDF: 1967.1/84

- sign -76.300+/-72.096 χ^2/NDF: 1109.3/42

asym_bpm0r05WS_rms vs Slug



Right In: 364.817+/-0.098 χ^2/NDF: 790469.7/16

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 343.756+/-0.090 χ^2/NDF: 896644.4/19

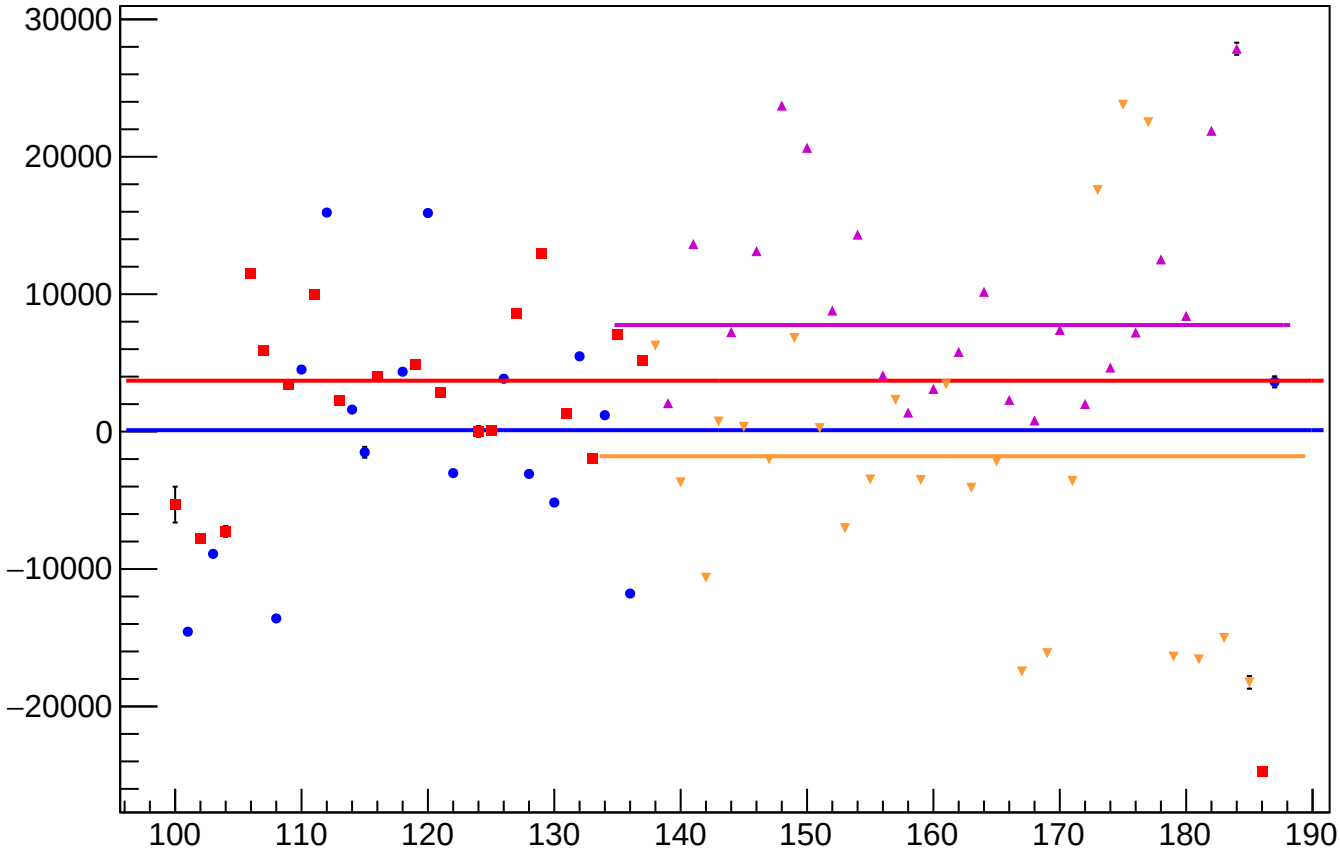
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 363.779+/-0.051 χ^2/NDF: 2731121.5/41

All: 360.414+/-0.036 χ^2/NDF: 5380189.9/84

- sign 357.095+/-0.051 χ^2/NDF: 2640533.3/42

asym_bpm0i02WS_mean vs Slug



Right In: 103.776+/-53.721 χ^2/NDF: 30862.9/16

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3705.891+/-51.218 χ^2/NDF: 18474.1/19

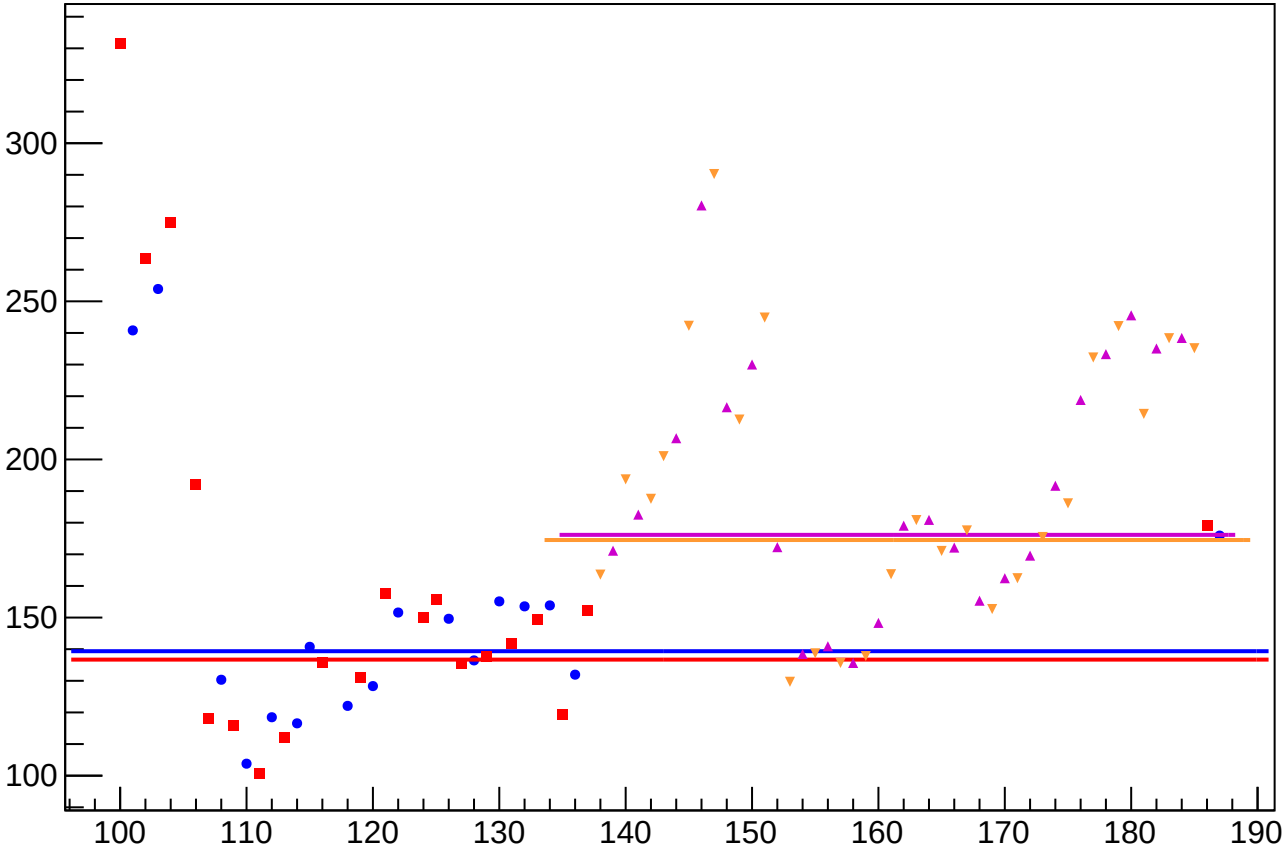
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign -1095.050+/-32.547 χ^2/NDF: 97395.6/41

All: 2481.482+/-23.082 χ^2/NDF: 167136.7/84

- sign 6100.281+/-32.739 χ^2/NDF: 45447.5/42

asym_bpm0i02WS_rms vs Slug



Right In: 139.365+/-0.038 χ^2/NDF: 674344.4/16

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 136.705+/-0.036 χ^2/NDF: 937076.9/19

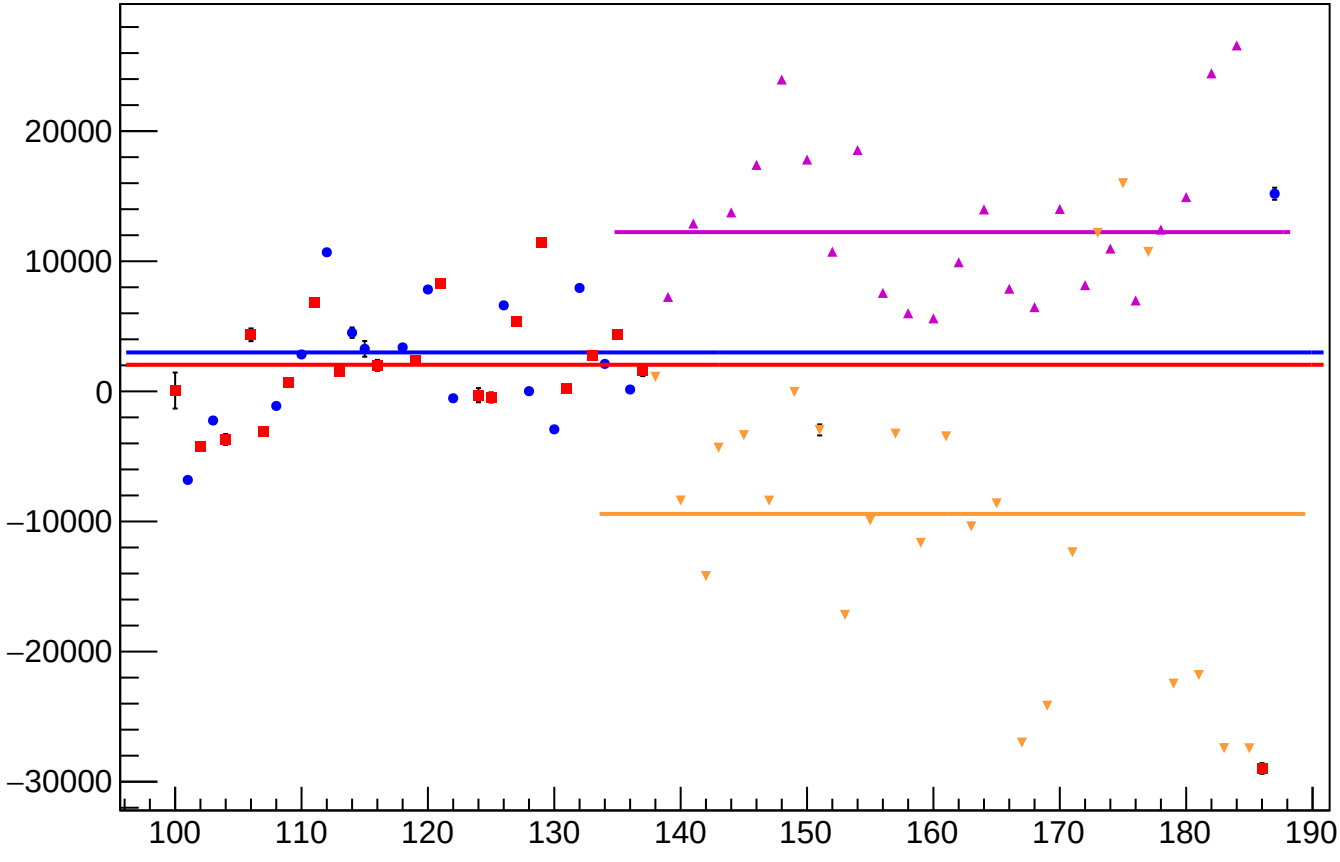
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 161.616+/-0.023 χ^2/NDF: 2875921.4/41

All: 160.831+/-0.016 χ^2/NDF: 5884108.3/84

- sign 160.036+/-0.023 χ^2/NDF: 3005843.6/42

asym_bpm0i02aWS_mean vs Slug



Right In: 2992.782+/-68.485 χ^2/NDF: 4838.9/16

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 2045.788+/-64.052 χ^2/NDF: 8946.0/19

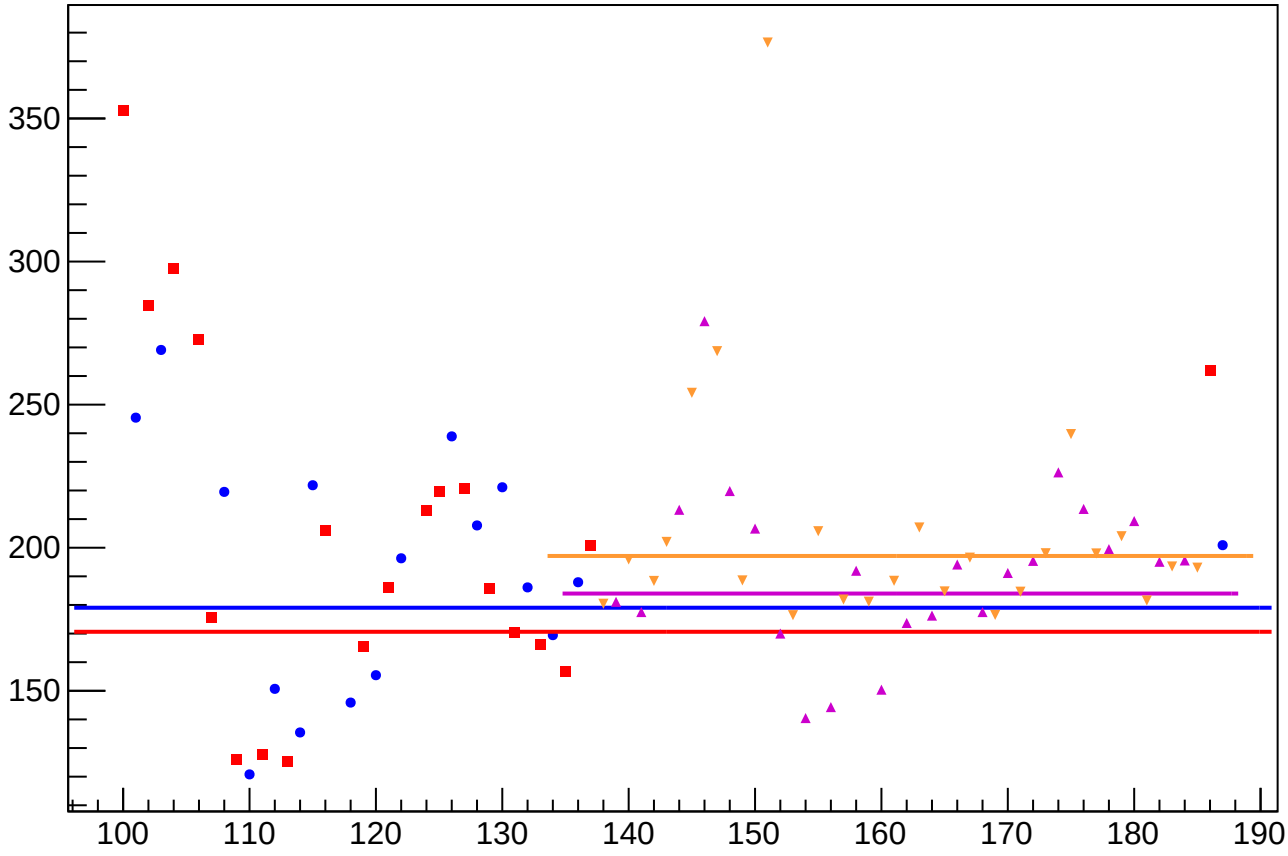
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -5596.027+/-38.012 χ^2/NDF: 92288.9/41

All: 1997.363+/-26.281 χ^2/NDF: 210854.5/84

- sign 8951.170+/-36.376 χ^2/NDF: 42117.8/42

asym_bpm0i02aWS_rms vs Slug



Right In: 179.030+/-0.048 χ^2/NDF: 679126.7/16

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.626+/-0.045 χ^2/NDF: 1081569.4/19

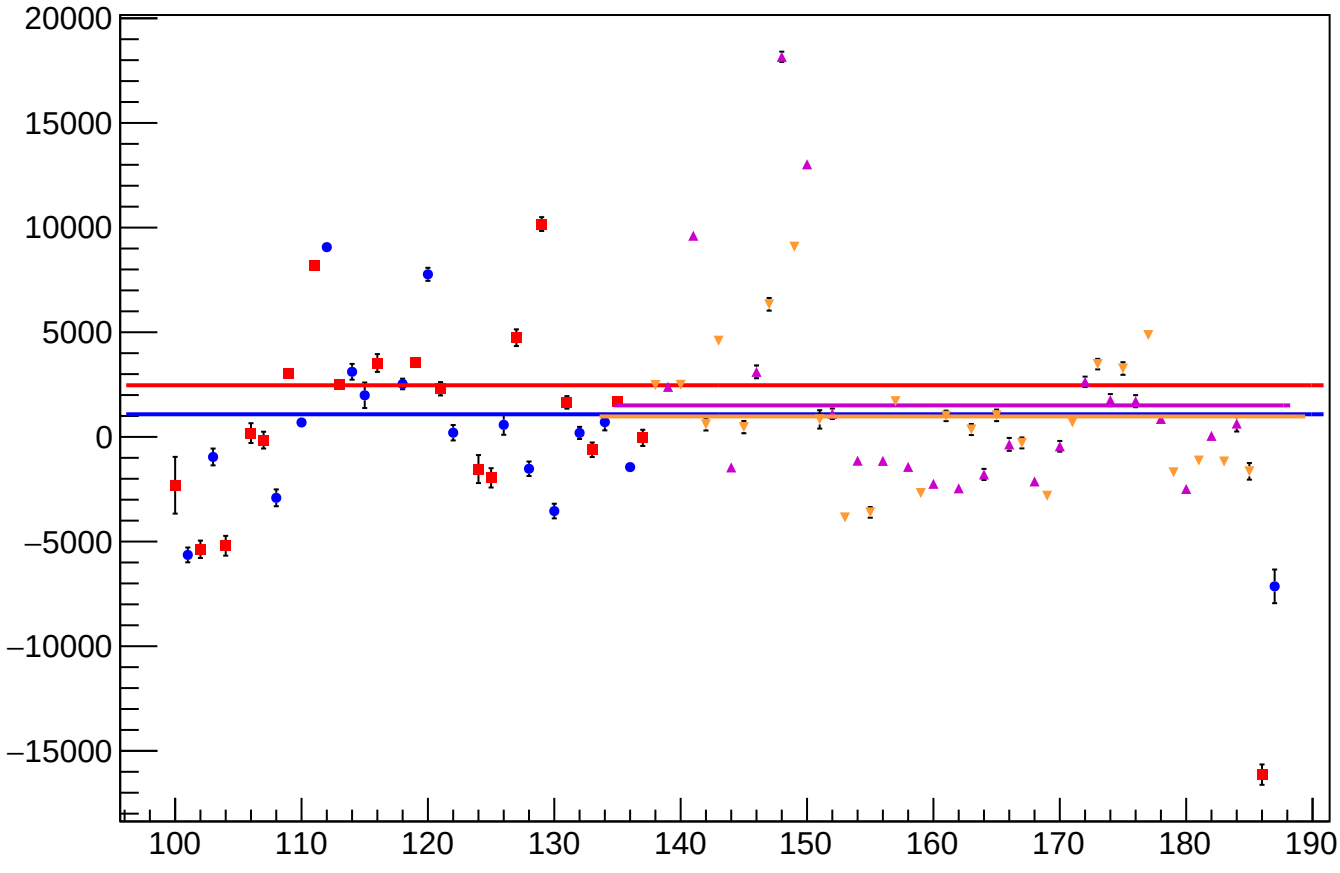
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 191.549+/-0.027 χ^2/NDF: 1508234.3/41

All: 185.352+/-0.019 χ^2/NDF: 3580356.2/84

- sign 179.677+/-0.026 χ^2/NDF: 1970290.5/42

asym_bpm0i05WS_mean vs Slug



Right In: 1080.634+/-75.621 χ^2/NDF: 2760.5/16

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 2467.471+/-68.450 χ^2/NDF: 3947.7/19

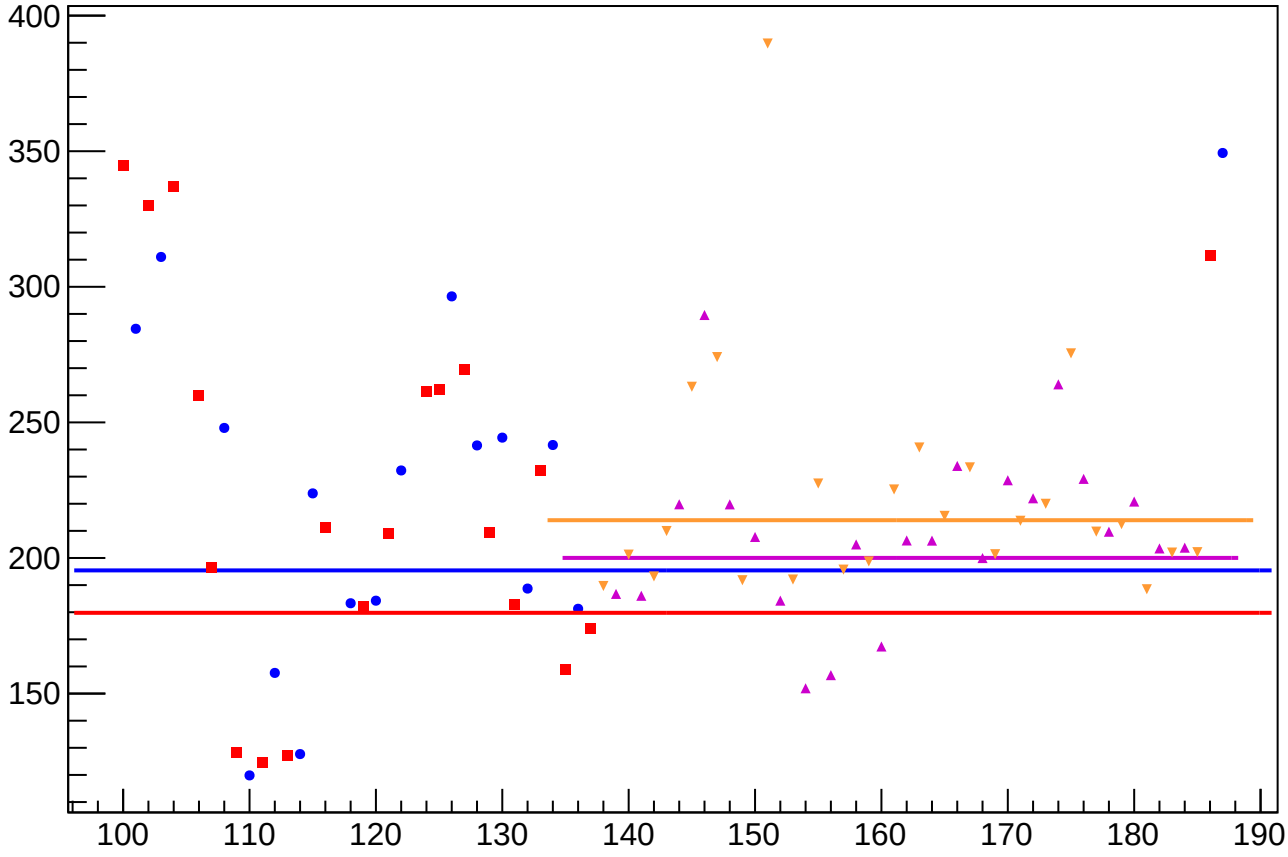
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

\+ sign 1009.178+/-41.479 χ^2/NDF: 7084.8/41

All: 1437.618+/-28.539 χ^2/NDF: 22848.0/84

\- sign 1822.784+/-39.328 χ^2/NDF: 15560.7/42

asym_bpm0i05WS_rms vs Slug



Right In: 195.423+/-0.053 χ^2/NDF: 1039563.9/16

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 179.780+/-0.048 χ^2/NDF: 1509152.2/19

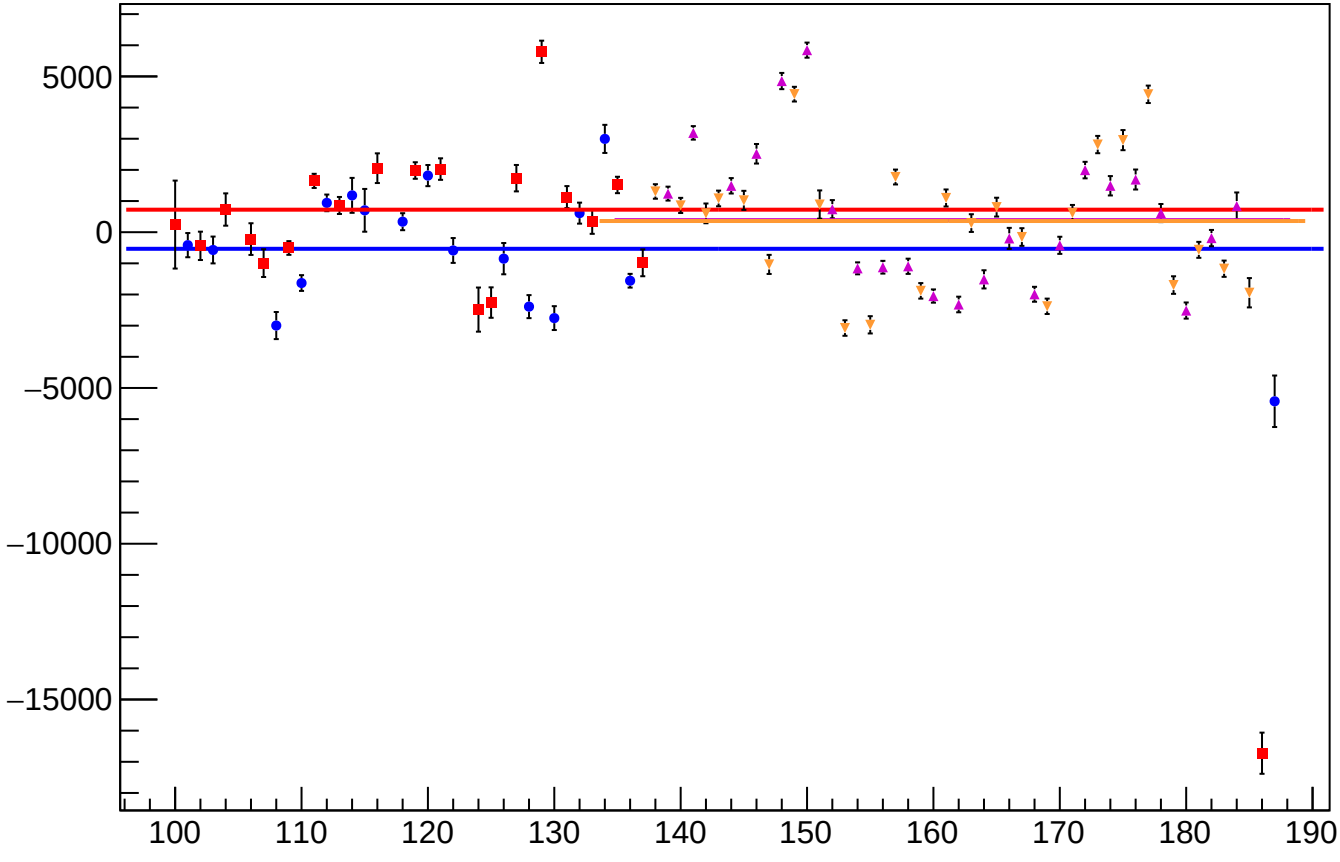
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.363+/-0.029 χ^2/NDF: 1856959.0/41

All: 200.455+/-0.020 χ^2/NDF: 4406952.4/84

- sign 193.346+/-0.028 χ^2/NDF: 2411942.2/42

asym_bpm0i07WS_mean vs Slug



Right In: -533.128+/-86.212 χ^2/NDF: 340.9/16

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 722.616+/-80.345 χ^2/NDF: 1105.9/19

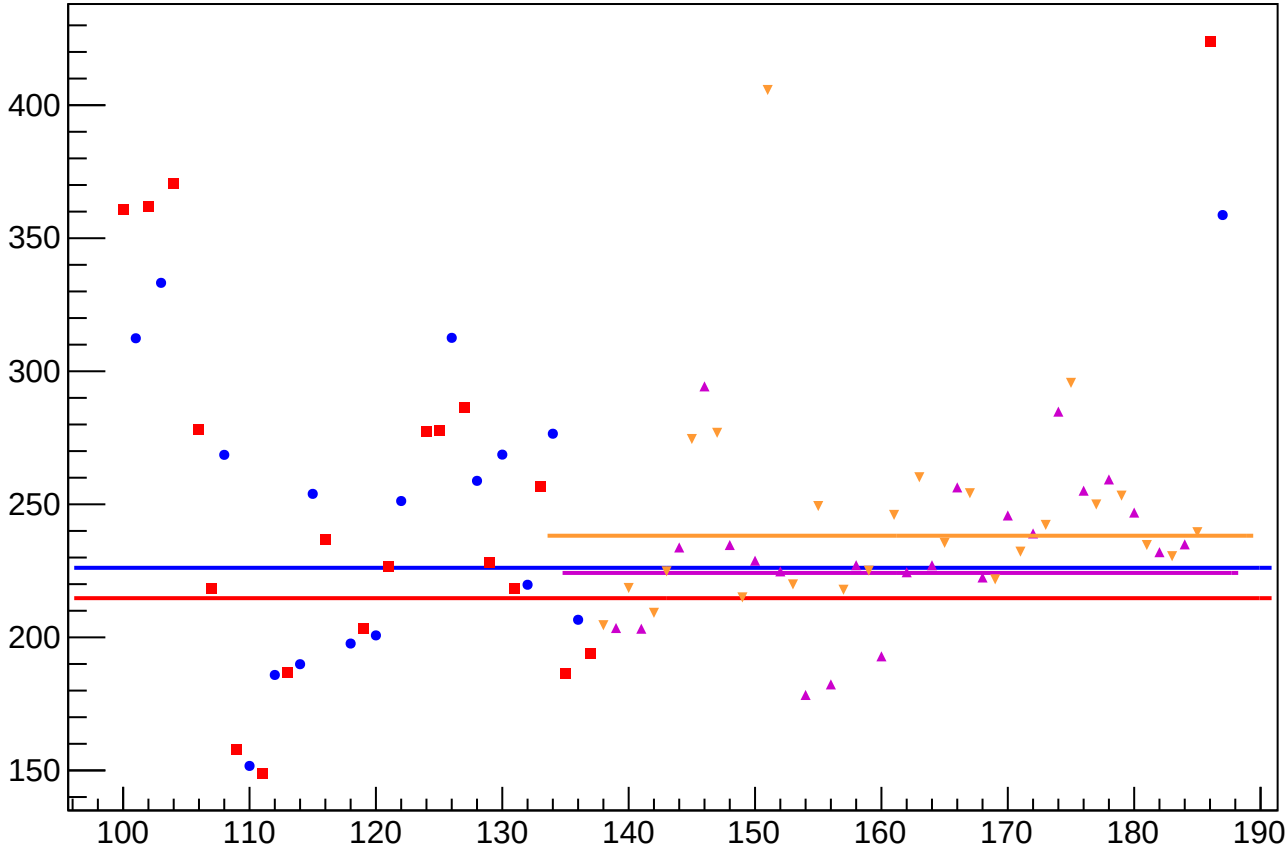
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign 100.768+/-46.363 χ^2/NDF: 1835.8/41

All: 303.224+/-32.122 χ^2/NDF: 4794.7/84

- sign 490.133+/-44.547 χ^2/NDF: 2922.2/42

asym_bpm0i07WS_rms vs Slug



Right In: 226.141+/-0.061 χ^2/NDF: 705203.8/16

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 214.733+/-0.057 χ^2/NDF: 1136119.8/19

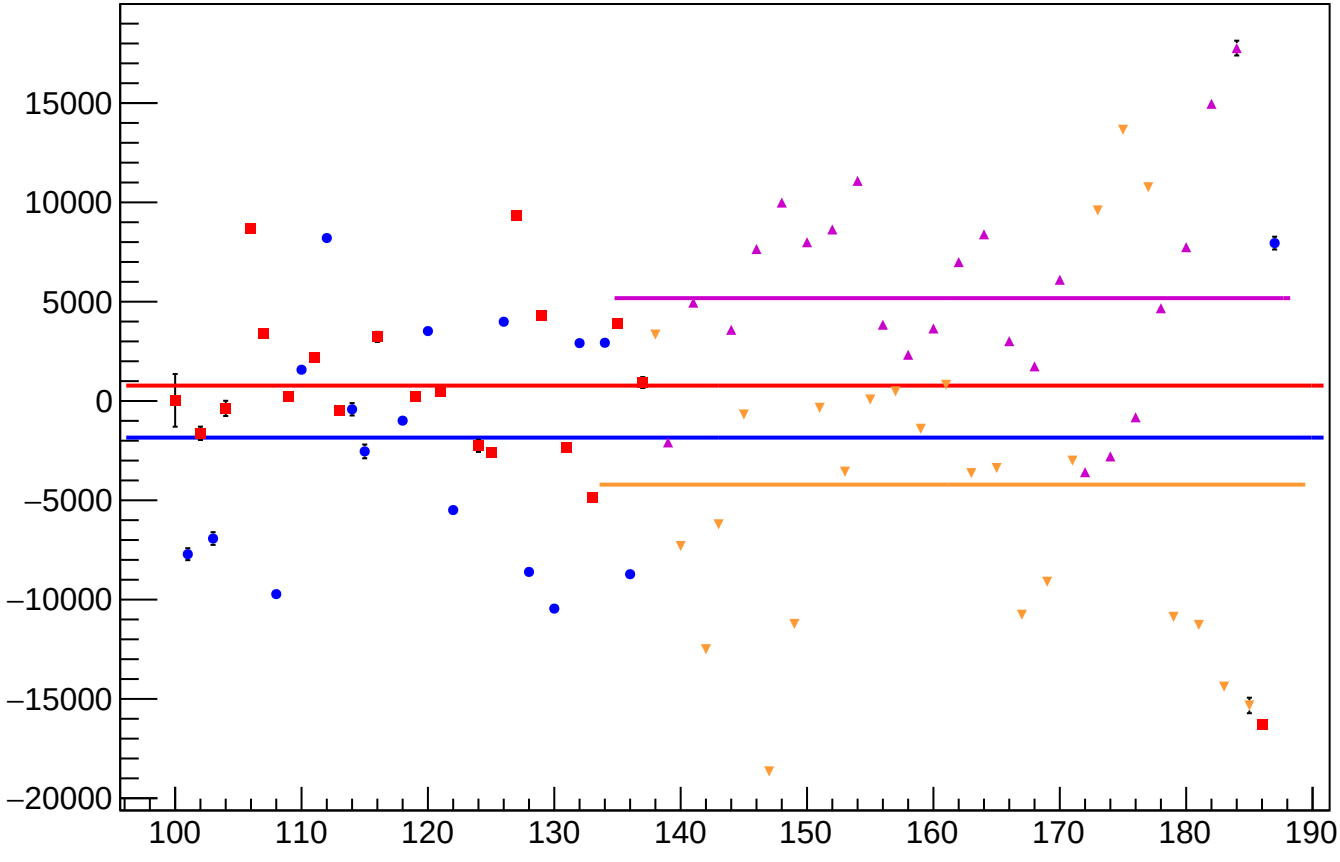
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 234.712+/-0.033 χ^2/NDF: 1300951.1/41

All: 227.737+/-0.023 χ^2/NDF: 3106635.9/84

- sign 221.298+/-0.031 χ^2/NDF: 1718632.3/42

asym_bpm1i02WS_mean vs Slug



Right In: -1843.082+/-46.242 χ^2/NDF: 17644.3/16

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 774.895+/-43.891 χ^2/NDF: 12215.7/19

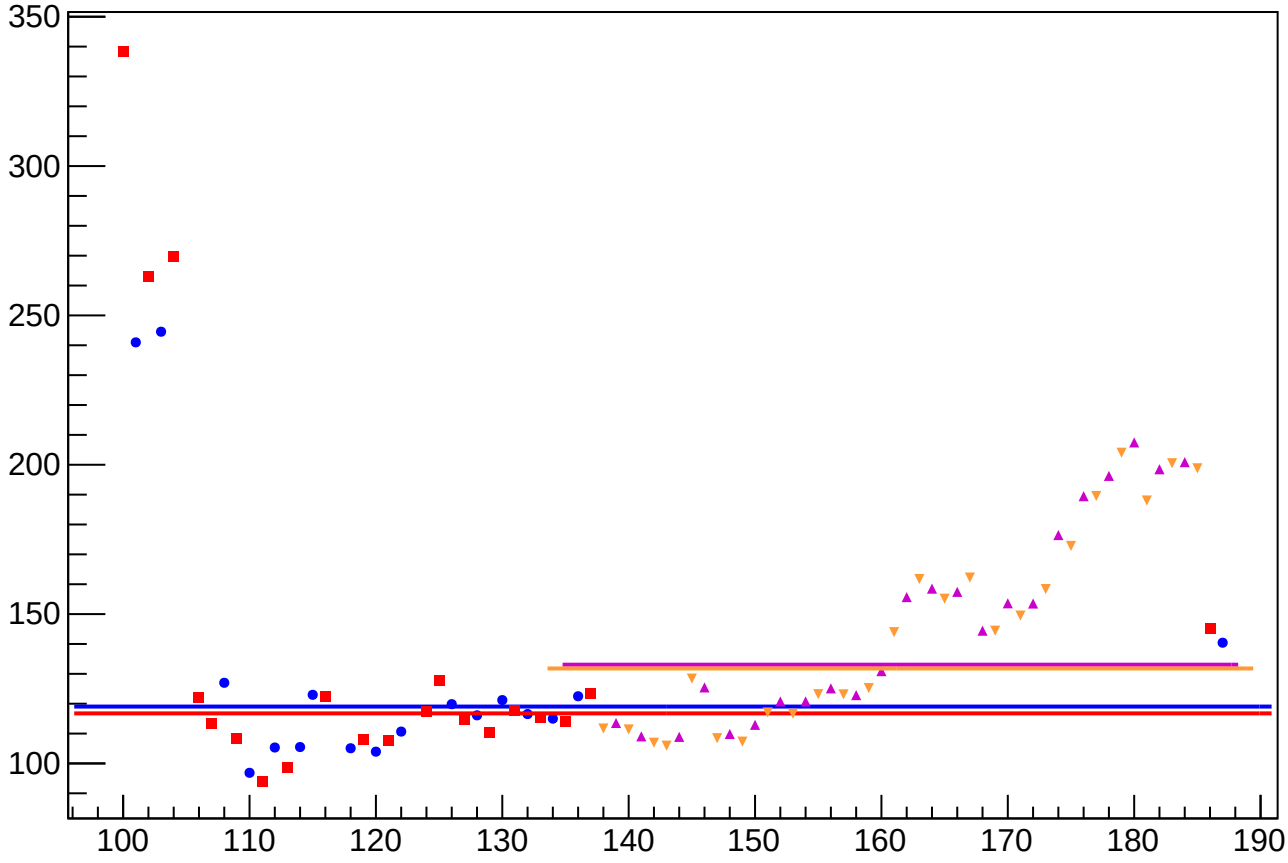
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -3482.130+/-25.651 χ^2/NDF: 76261.6/41

All: 58.483+/-18.205 χ^2/NDF: 151984.3/84

- sign 3651.855+/-25.841 χ^2/NDF: 37333.1/42

asym_bpm1i02WS_rms vs Slug



Right In: 119.042+/-0.033 χ^2/NDF: 743072.6/16

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 116.757+/-0.031 χ^2/NDF: 896652.7/19

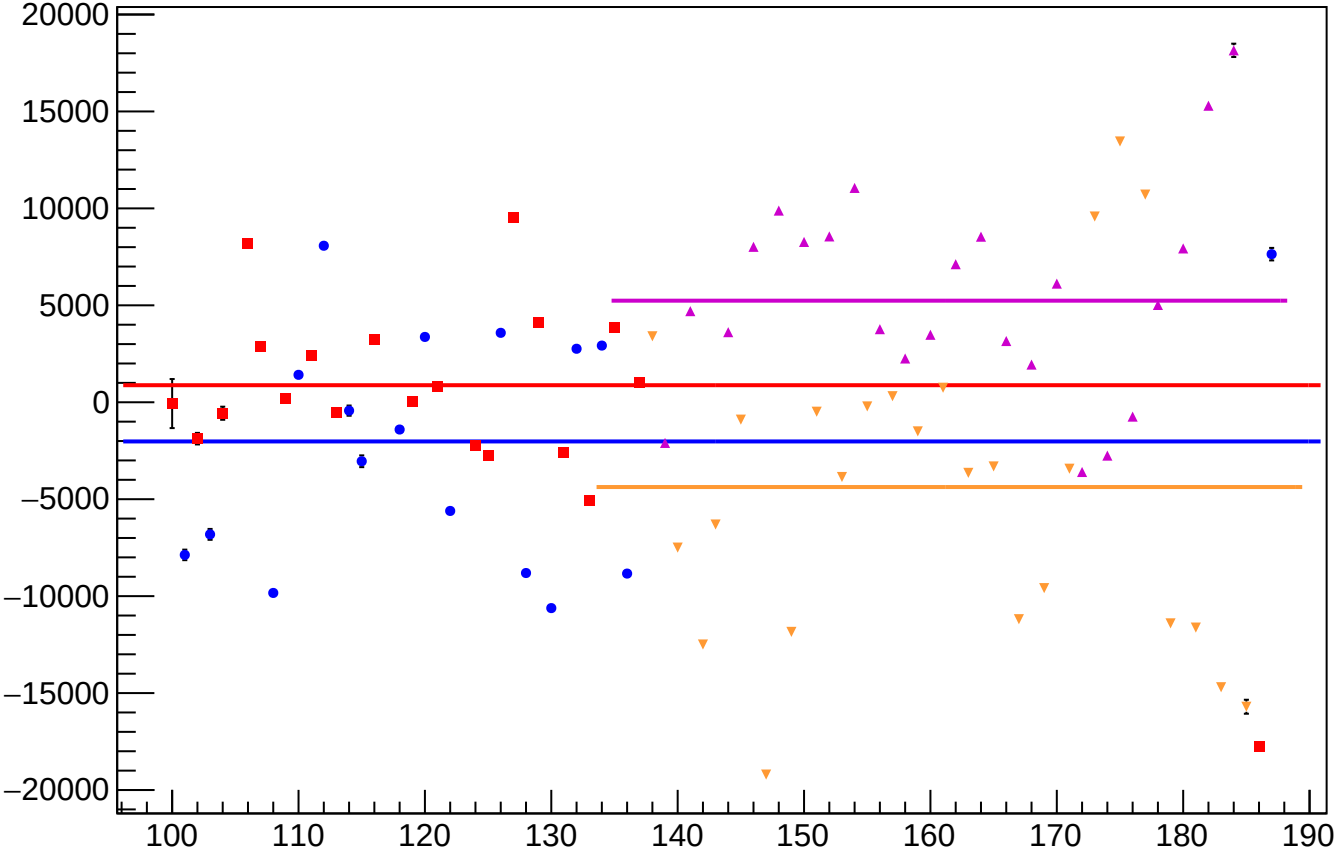
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 127.873+/-0.018 χ^2/NDF: 2392772.7/41

All: 127.643+/-0.013 χ^2/NDF: 4888310.0/84

- sign 127.410+/-0.018 χ^2/NDF: 2495214.1/42

asym_bpm1i04WS_mean vs Slug



Right In: -2020.620+/-39.337 χ^2/NDF: 23781.6/16

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 879.755+/-37.473 χ^2/NDF: 15824.7/19

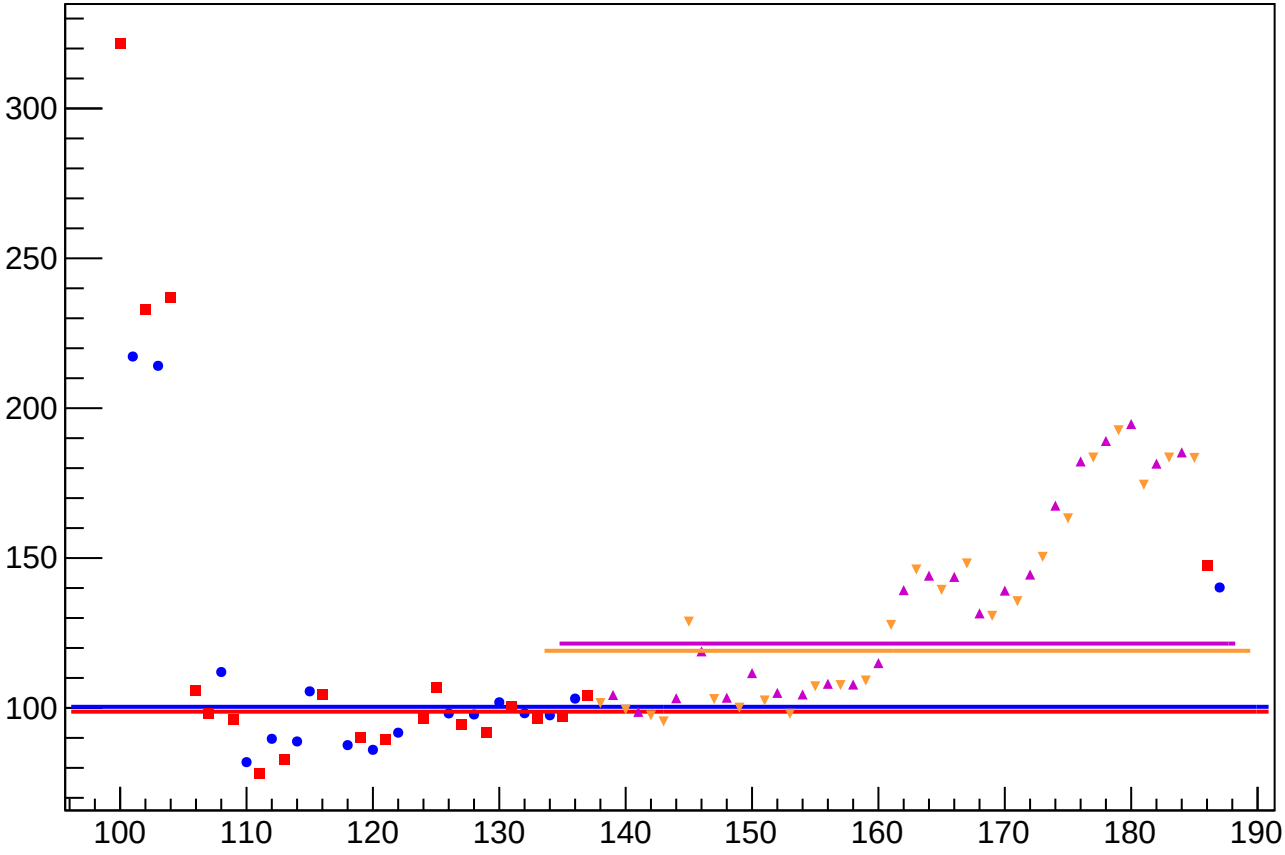
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -3583.459+/-22.787 χ^2/NDF: 93375.6/41

All: -39.650+/-16.208 χ^2/NDF: 188835.5/84

- sign 3588.937+/-23.058 χ^2/NDF: 46509.8/42

asym_bpm1i04WS_rms vs Slug



Right In: 100.373+/-0.028 χ^2/NDF: 839955.6/16

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 98.748+/-0.026 χ^2/NDF: 1017951.0/19

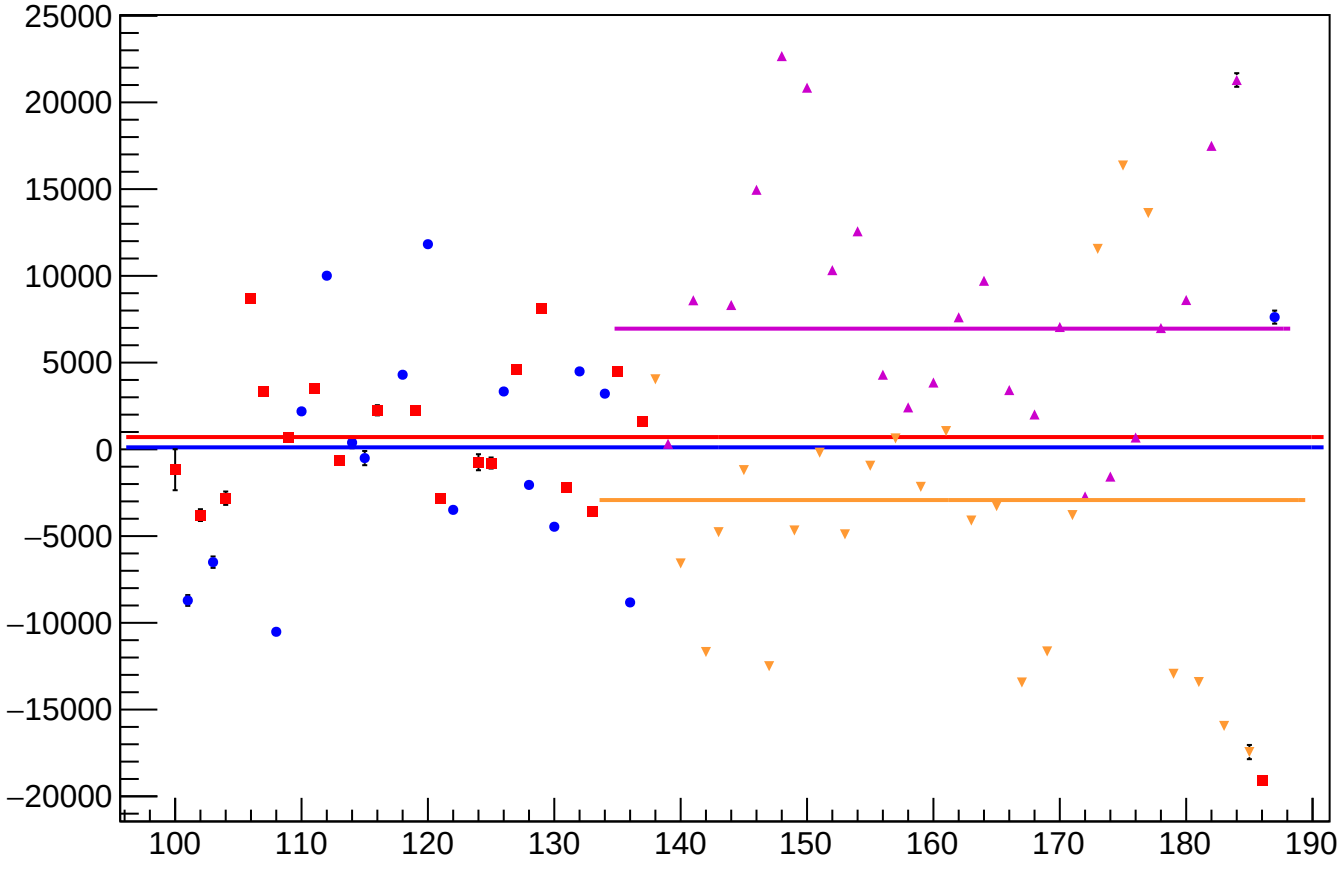
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 112.792+/-0.016 χ^2/NDF: 2895399.3/41

All: 112.828+/-0.011 χ^2/NDF: 5899573.4/84

- sign 112.865+/-0.016 χ^2/NDF: 3004163.9/42

asym_bpm1i06WS_mean vs Slug



Right In: 116.155+/-52.936 χ^2/NDF: 17206.8/16

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 707.856+/-50.989 χ^2/NDF: 9813.0/19

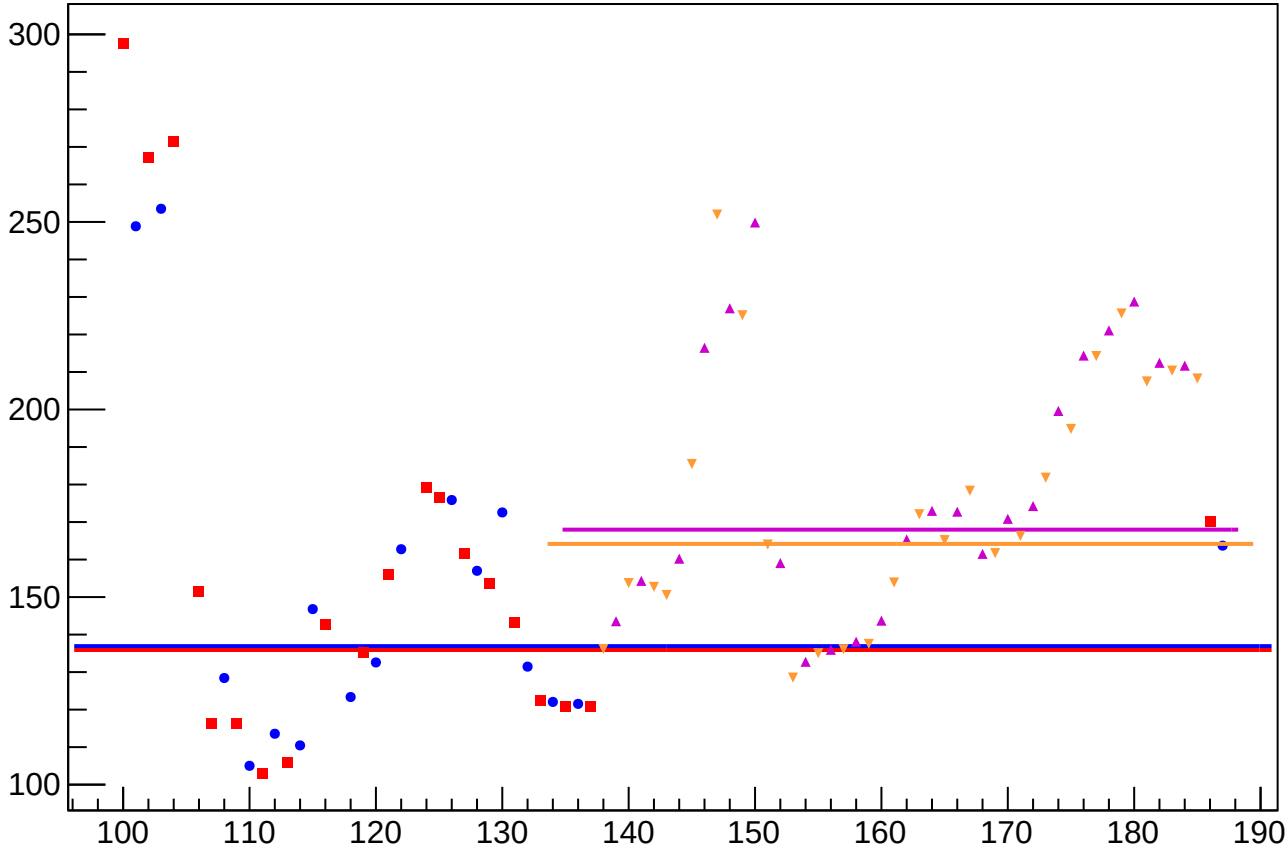
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign -1882.894+/-30.969 χ^2/NDF: 57427.3/41

All: 1273.645+/-22.115 χ^2/NDF: 120033.4/84

- sign 4558.237+/-31.591 χ^2/NDF: 41406.5/42

asym_bpm1i06WS_rms vs Slug



Right In: 136.922+/-0.037 χ^2/NDF: 807149.4/16

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 135.894+/-0.036 χ^2/NDF: 953684.6/19

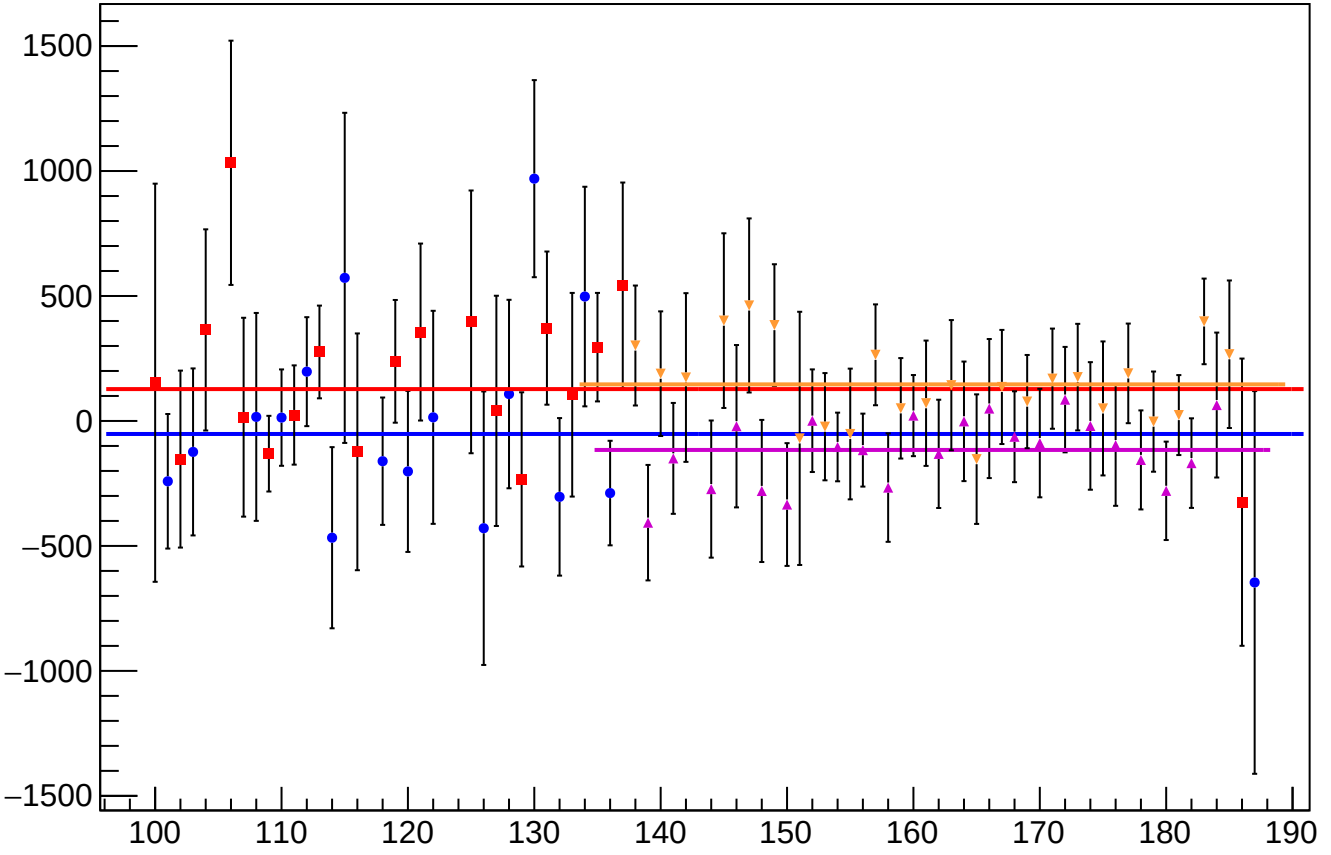
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 154.846+/-0.022 χ^2/NDF: 2380164.5/41

All: 155.245+/-0.016 χ^2/NDF: 5045105.3/84

- sign 155.661+/-0.022 χ^2/NDF: 2664262.1/42

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -52.096+/-75.907 χ^2/NDF: 16.1/16

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 127.499+/-67.934 χ^2/NDF: 13.5/18

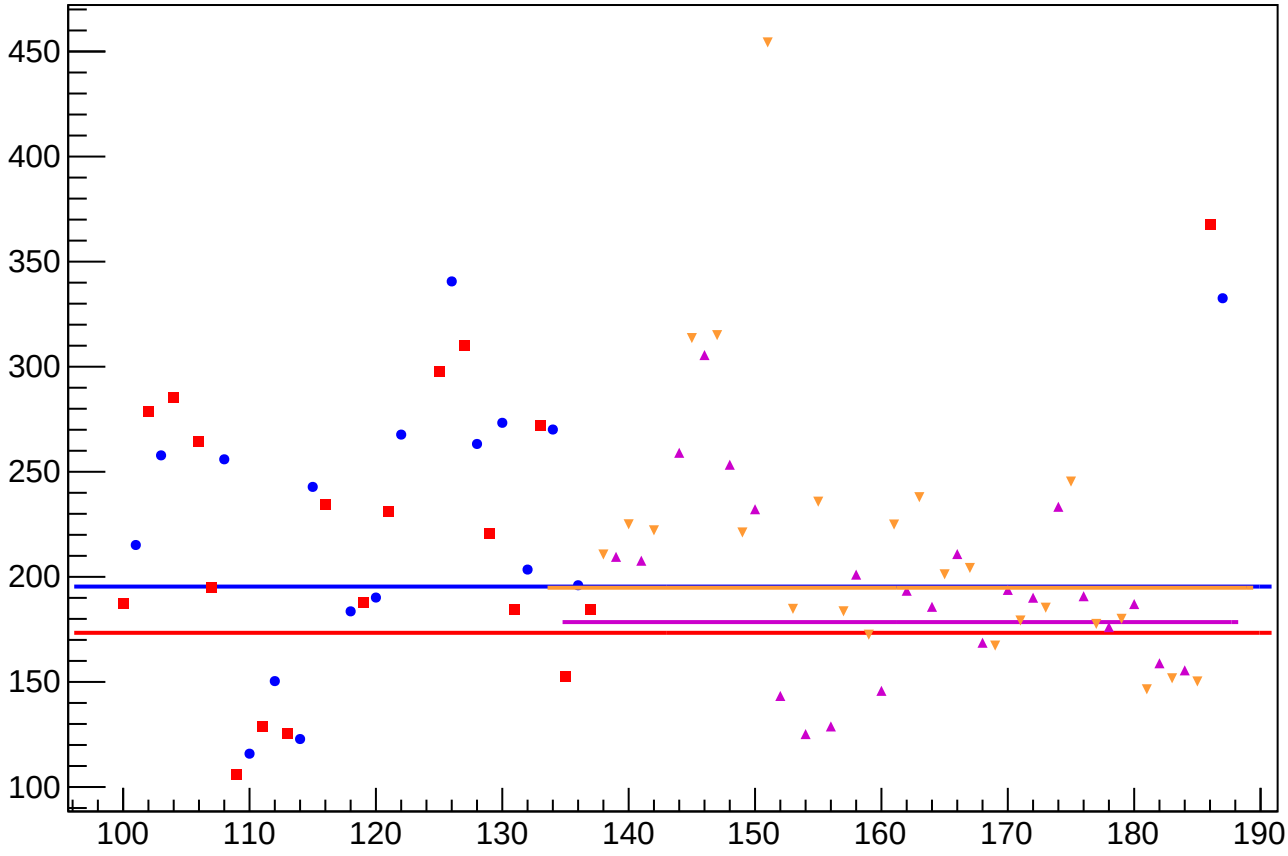
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign 91.476+/-39.916 χ^2/NDF: 31.0/40

All: 17.547+/-27.015 χ^2/NDF: 67.5/82

- sign -44.933+/-36.696 χ^2/NDF: 30.2/41

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 195.379+/-0.054 χ^2/NDF: 1108462.0/16

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 173.374+/-0.048 χ^2/NDF: 1825089.1/18

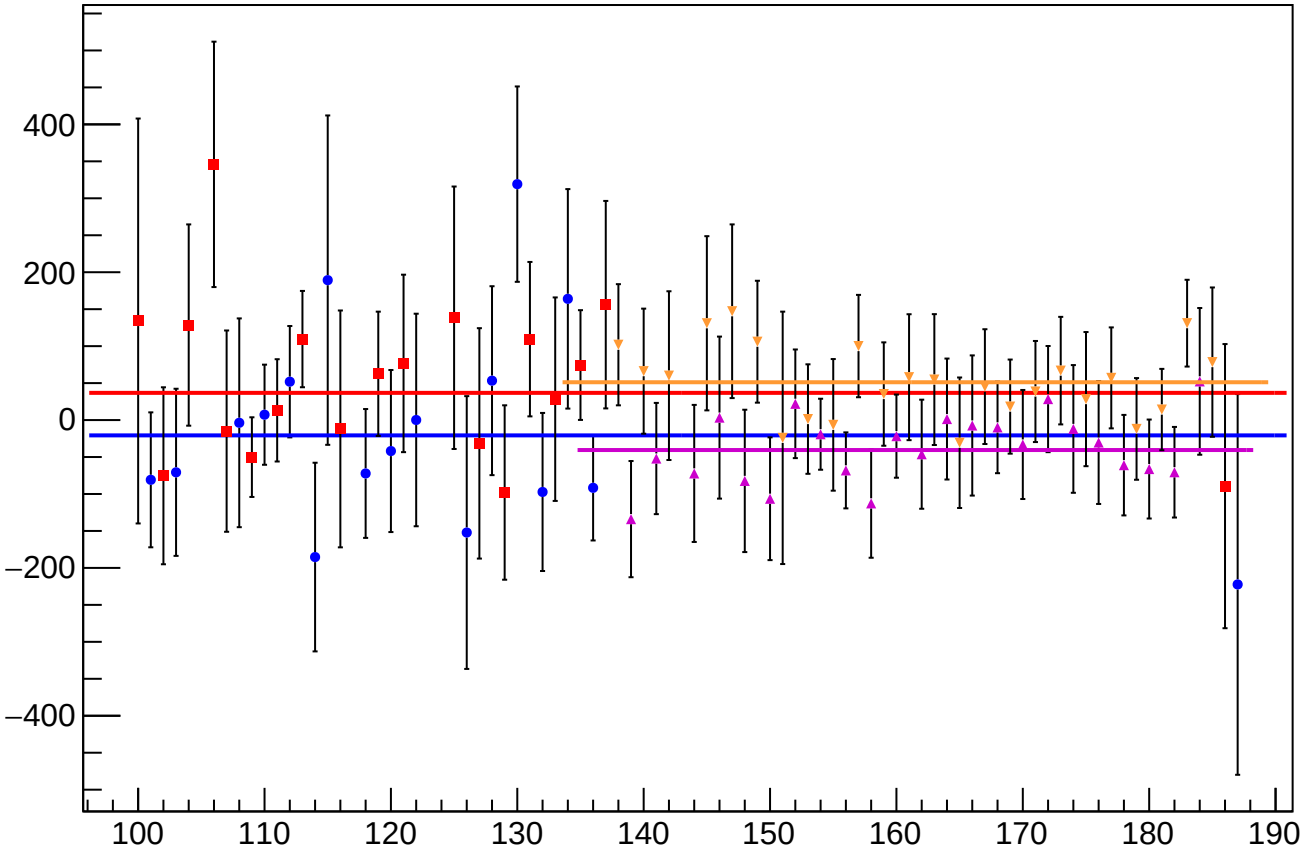
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 194.981+/-0.028 χ^2/NDF: 2861013.3/40

All: 185.229+/-0.019 χ^2/NDF: 6590615.6/82

- sign 176.987+/-0.026 χ^2/NDF: 3509341.3/41

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -20.720+/-25.989 χ^2/NDF: 15.8/16

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

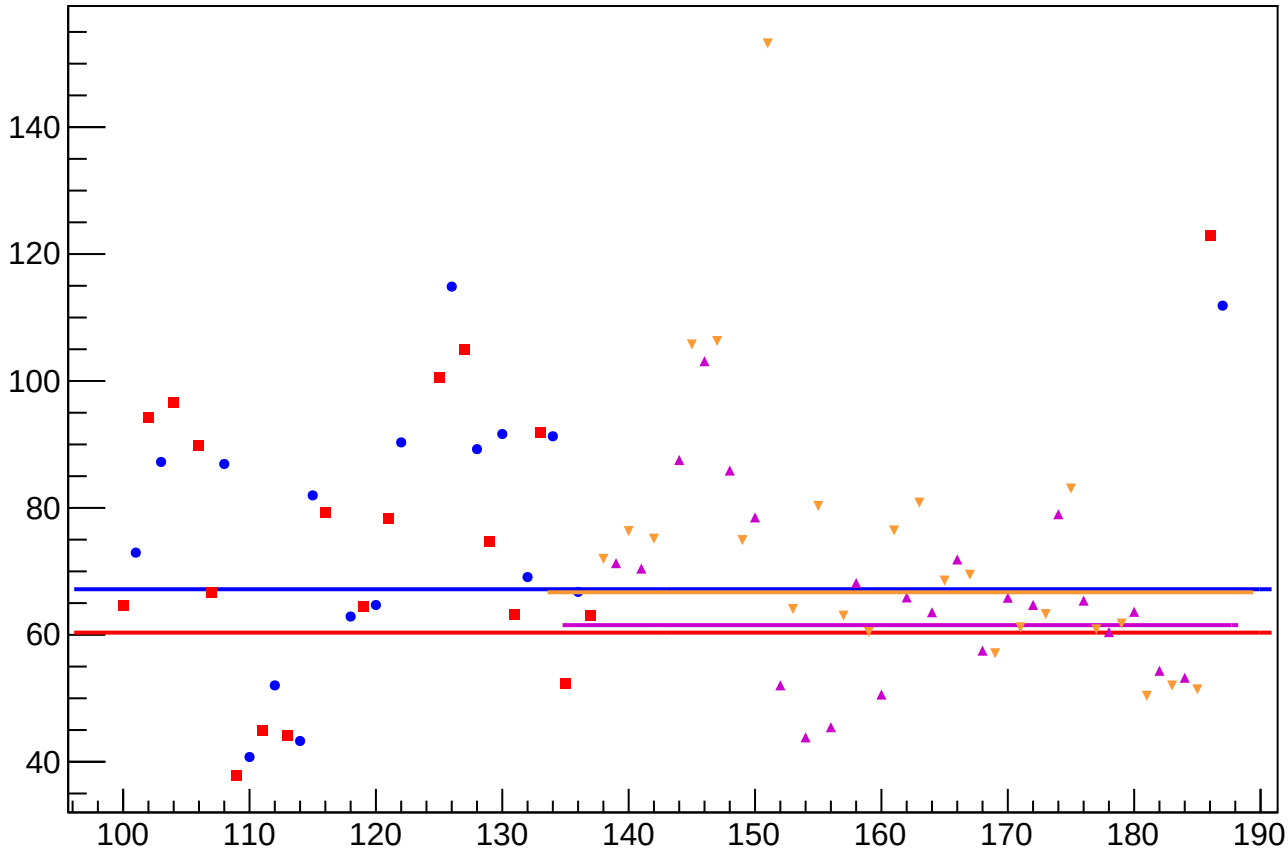
Right Out: 36.805+/-23.475 χ^2/NDF: 13.1/18

Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign 31.339+/-13.648 χ^2/NDF: 29.5/40

All: 4.667+/-9.268 χ^2/NDF: 65.2/82

- sign -18.163+/-12.627 χ^2/NDF: 28.6/41



Right In: 67.184+/-0.018 χ^2/NDF: 1007887.5/16

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 60.348+/-0.017 χ^2/NDF: 1660489.2/18

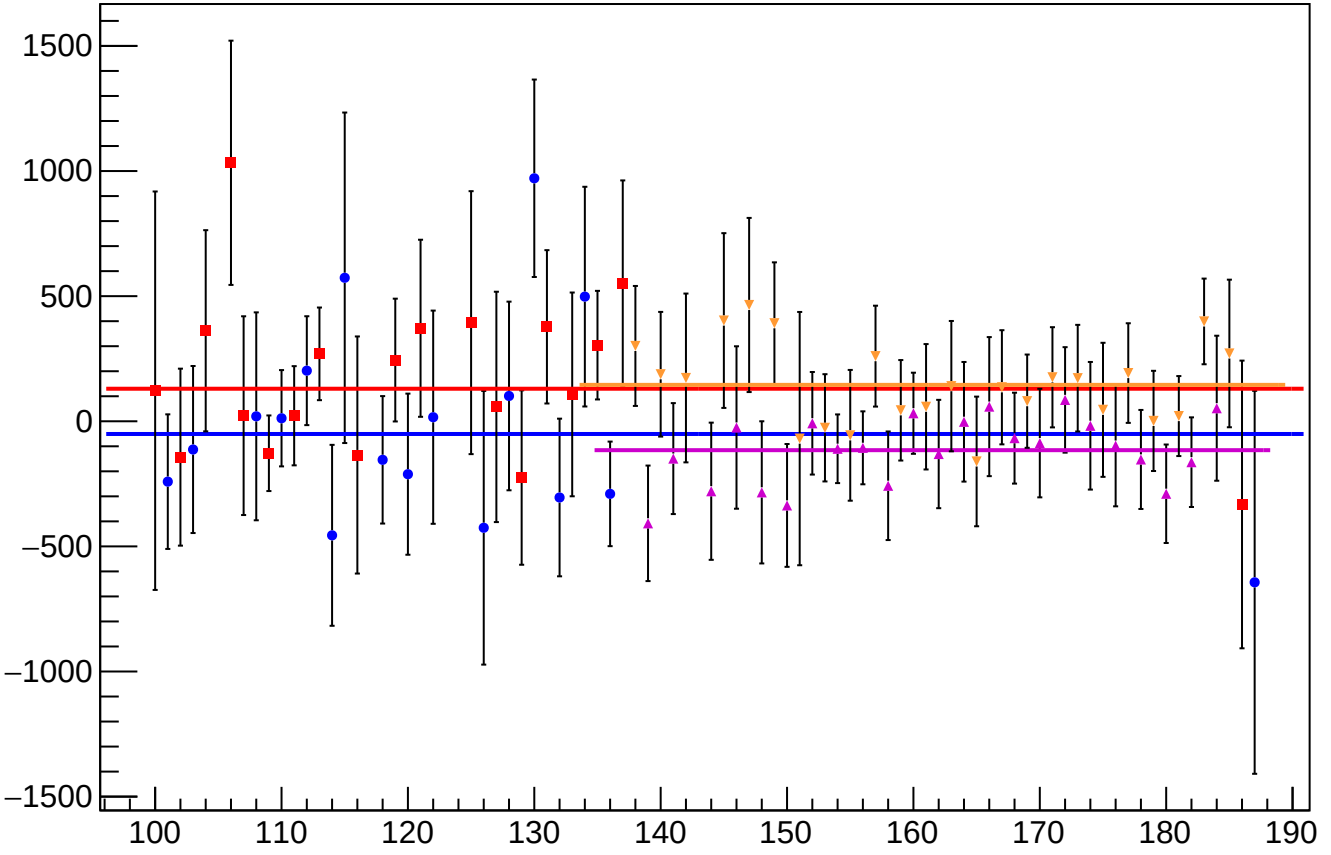
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 66.836+/-0.010 χ^2/NDF: 2684713.8/40

All: 63.792+/-0.007 χ^2/NDF: 6023237.9/82

- sign 61.187+/-0.009 χ^2/NDF: 3153934.4/41

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -50.793+/-75.823 χ^2/NDF: 16.1/16

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 130.045+/-67.845 χ^2/NDF: 13.5/18

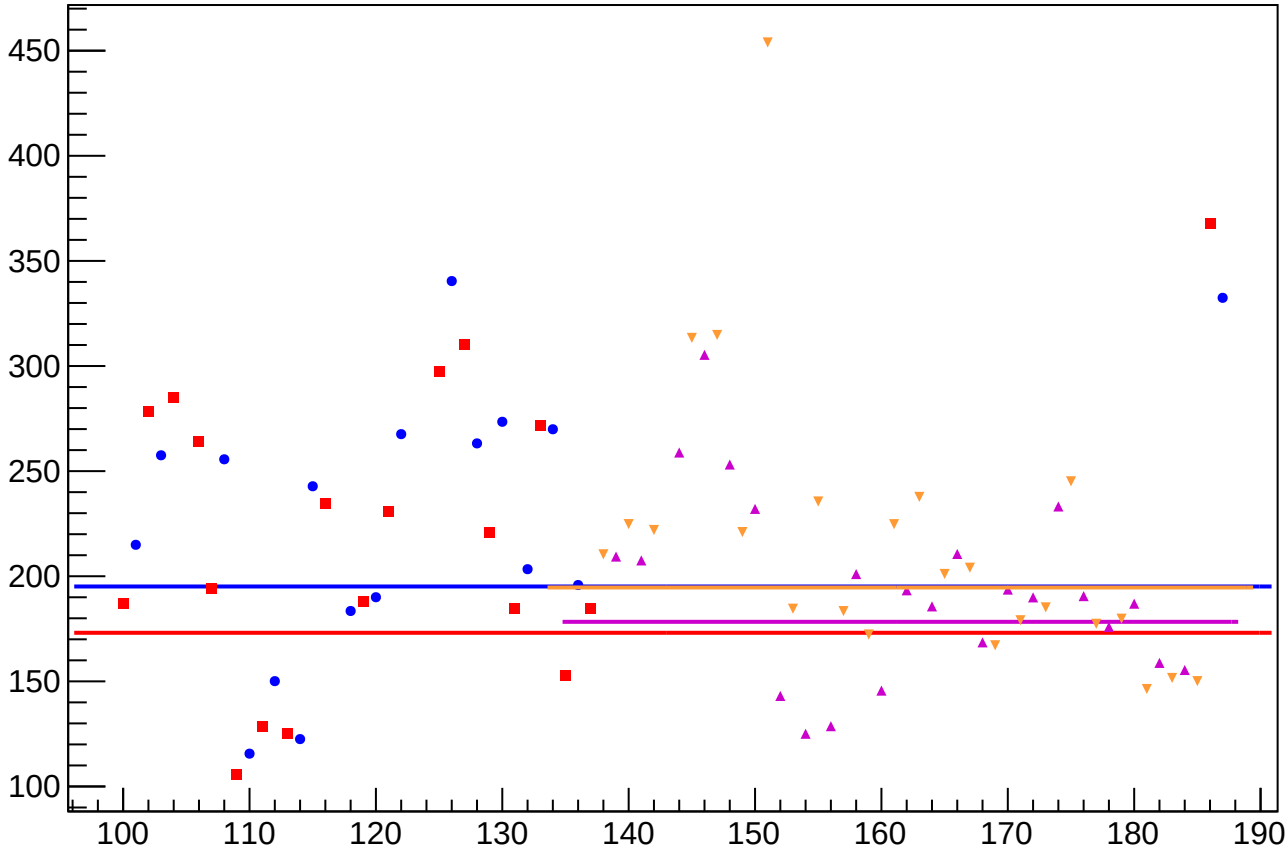
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign 91.182+/-39.880 χ^2/NDF: 31.2/40

All: 18.024+/-26.989 χ^2/NDF: 67.9/82

- sign -43.797+/-36.660 χ^2/NDF: 30.5/41

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 195.129+/-0.054 χ^2/NDF: 1113124.9/16

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 173.105+/-0.048 χ^2/NDF: 1831159.8/18

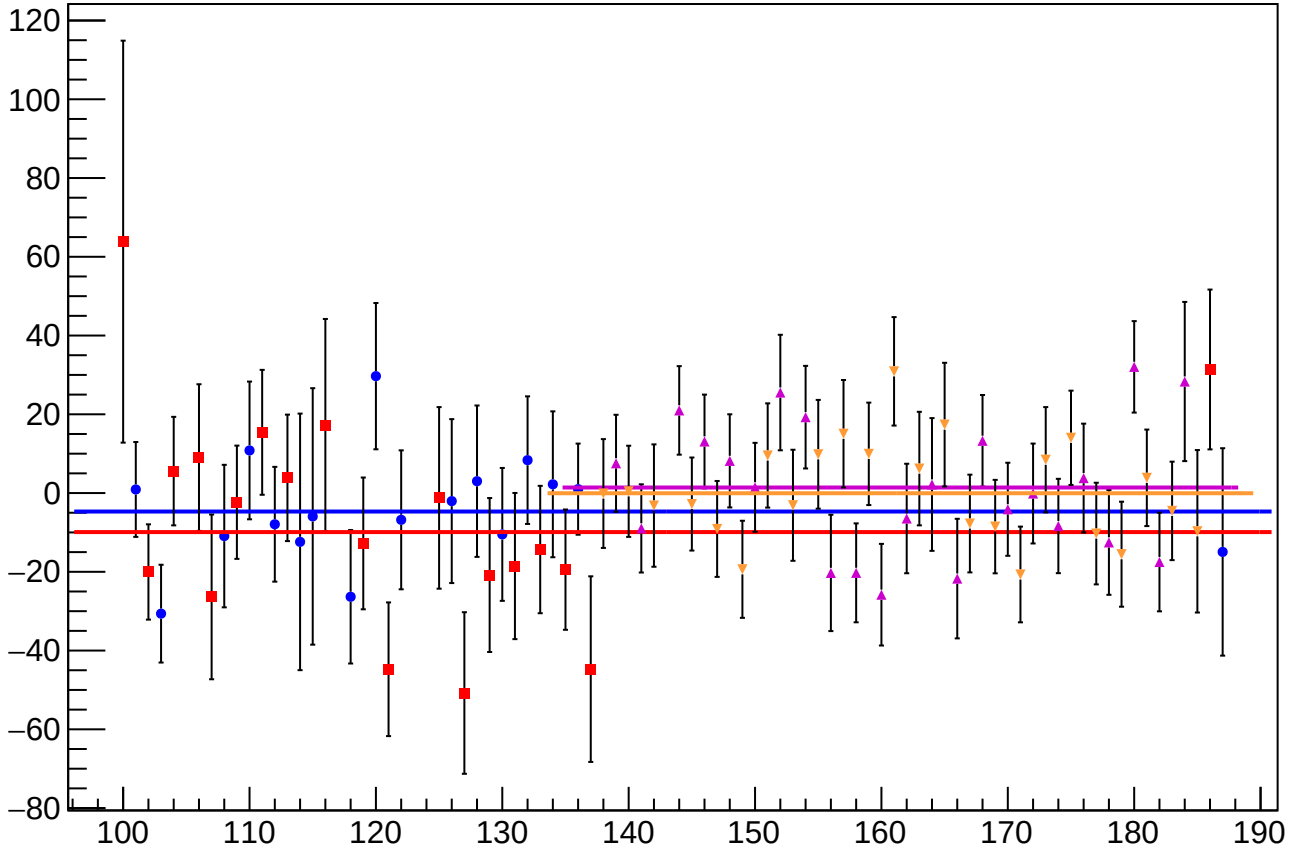
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 194.789+/-0.028 χ^2/NDF: 2866300.4/40

All: 185.037+/-0.019 χ^2/NDF: 6604827.7/82

- sign 176.796+/-0.026 χ^2/NDF: 3517856.4/41

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -4.692+/-4.081 χ^2/NDF: 12.1/16

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -9.911+/-4.053 χ^2/NDF: 25.9/18

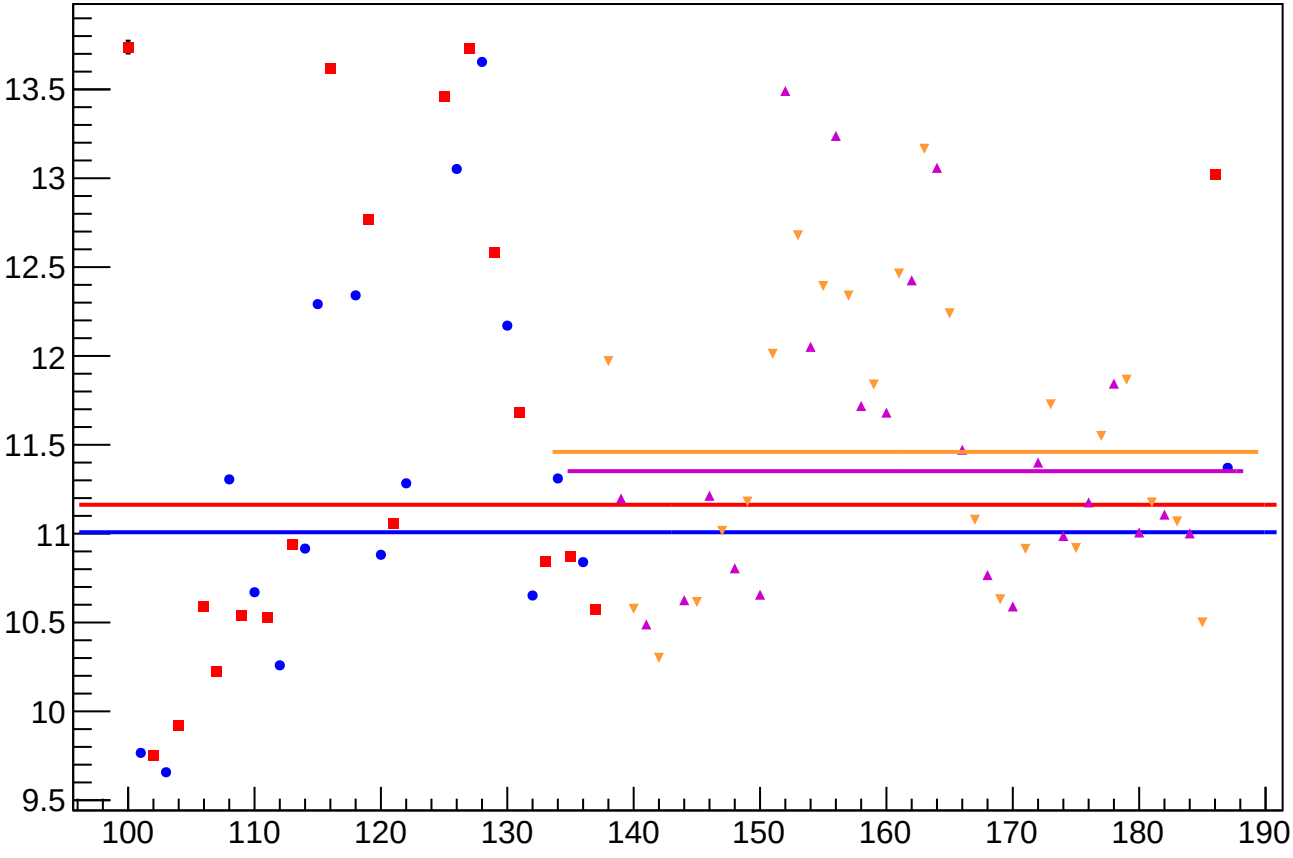
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.450+/-2.243 χ^2/NDF: 33.5/40

All: -1.739+/-1.582 χ^2/NDF: 101.2/82

- sign -2.025+/-2.232 χ^2/NDF: 67.7/41

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 11.008+/-0.003 χ^2/NDF: 136547.5/16

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.163+/-0.003 χ^2/NDF: 179694.4/18

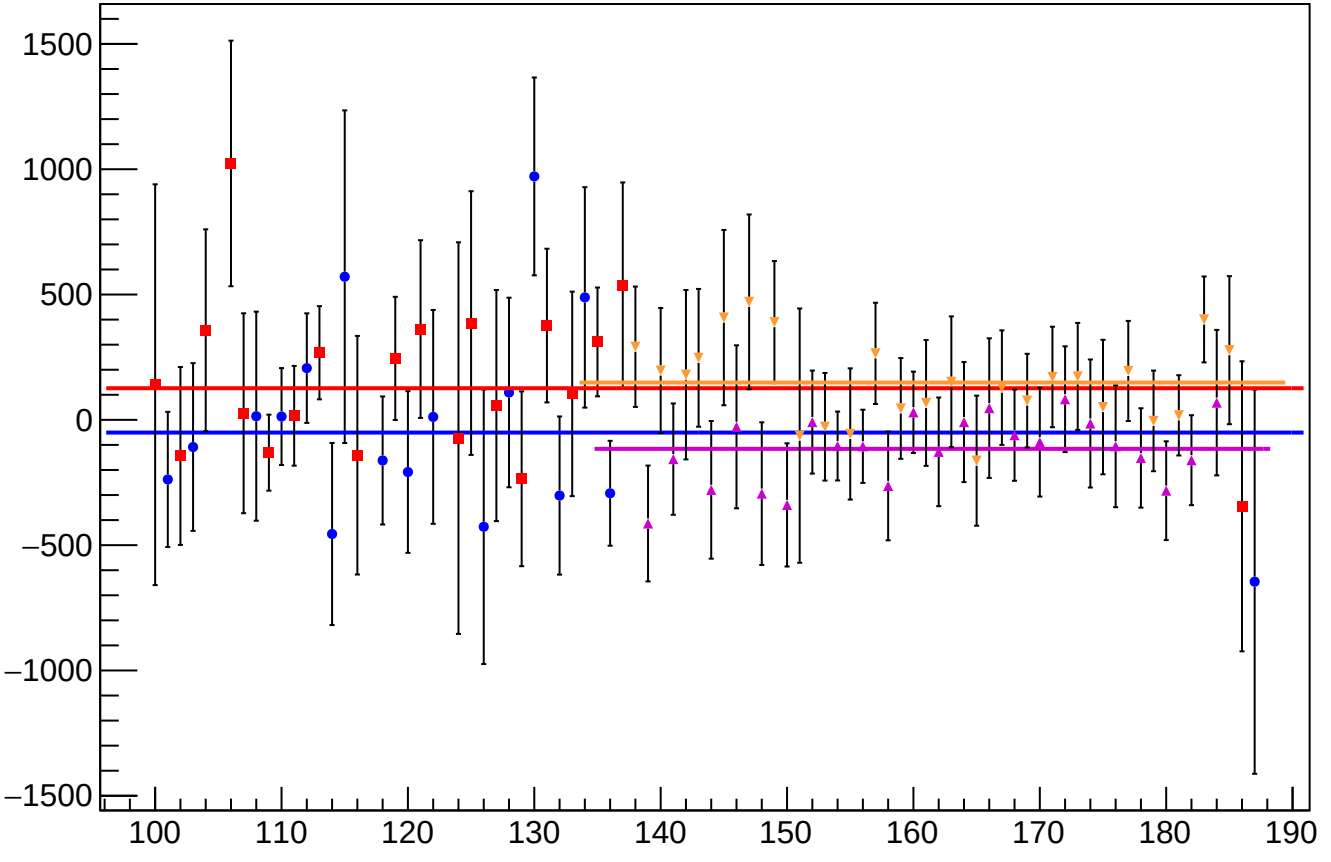
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.324+/-0.002 χ^2/NDF: 304112.2/40

All: 11.309+/-0.001 χ^2/NDF: 657575.0/82

- sign 11.294+/-0.002 χ^2/NDF: 353293.0/41

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -50.711+/-76.047 χ^2/NDF: 16.0/16

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 126.172+/-67.799 χ^2/NDF: 13.5/19

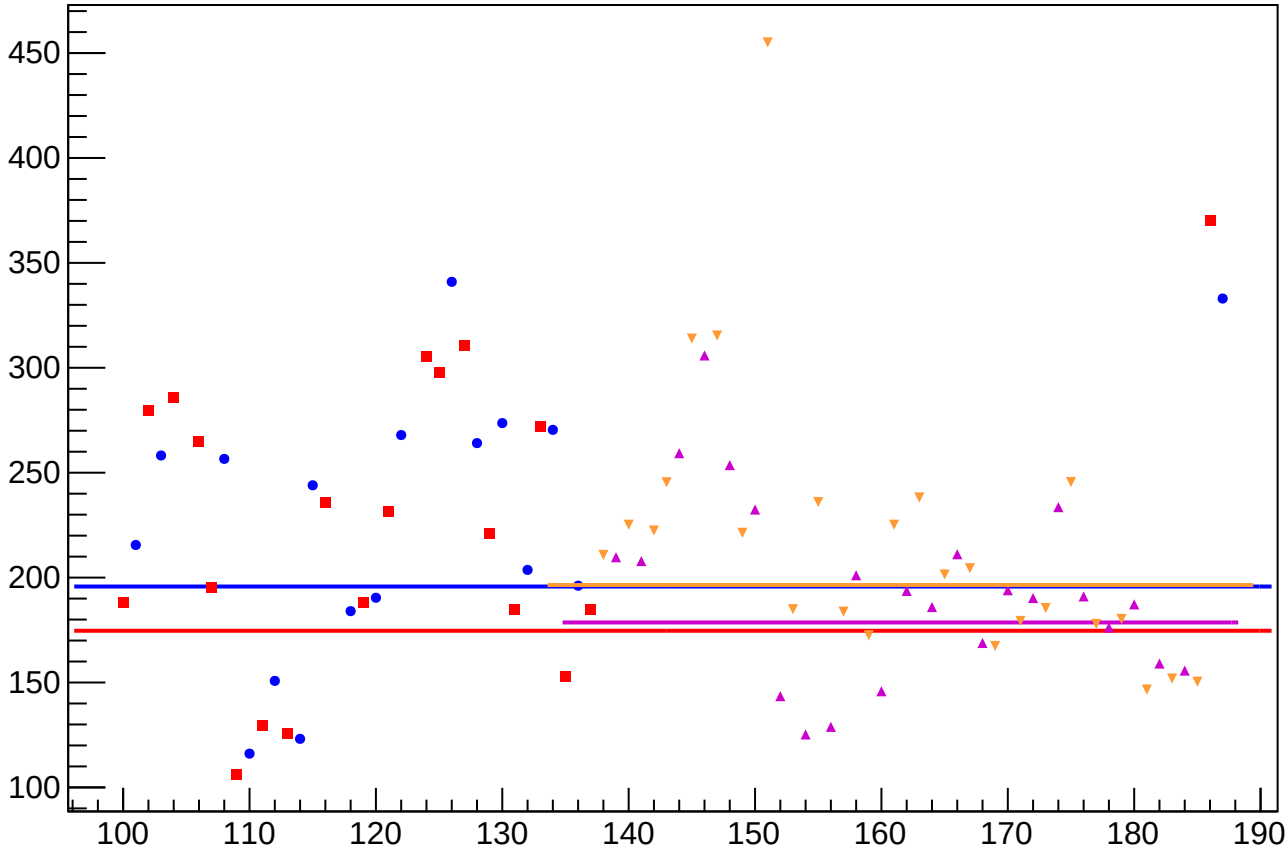
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign 94.911+/-39.551 χ^2/NDF: 31.5/41

All: 19.804+/-26.901 χ^2/NDF: 68.6/84

- sign -44.851+/-36.696 χ^2/NDF: 30.3/42

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 195.749+/-0.054 χ^2/NDF: 1106782.1/16

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 174.668+/-0.048 χ^2/NDF: 1882423.0/19

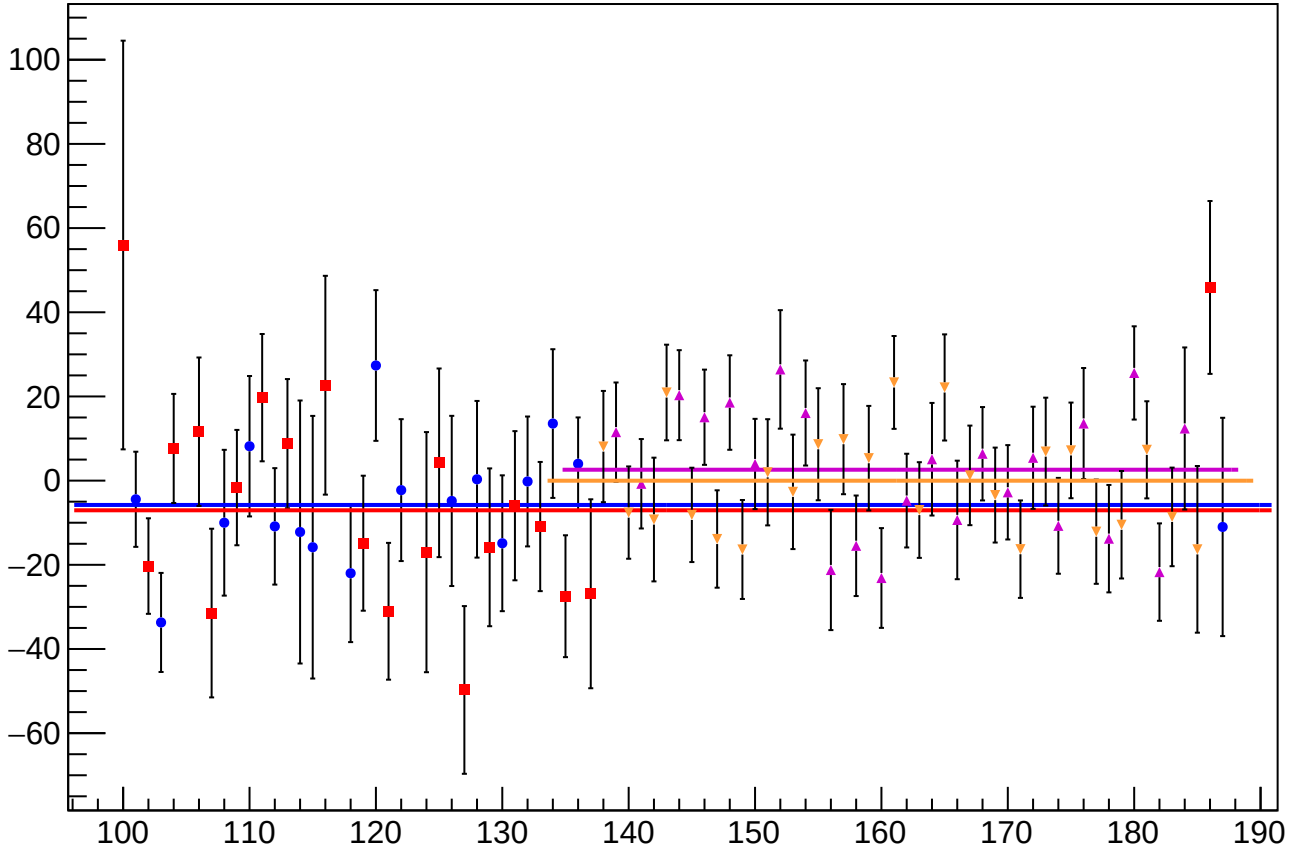
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 196.264+/-0.028 χ^2/NDF: 2925653.6/41

All: 186.158+/-0.019 χ^2/NDF: 6734716.6/84

- sign 177.458+/-0.026 χ^2/NDF: 3566073.3/42

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -5.778+/-3.894 χ^2/NDF: 13.7/16

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -7.049+/-3.832 χ^2/NDF: 29.7/19

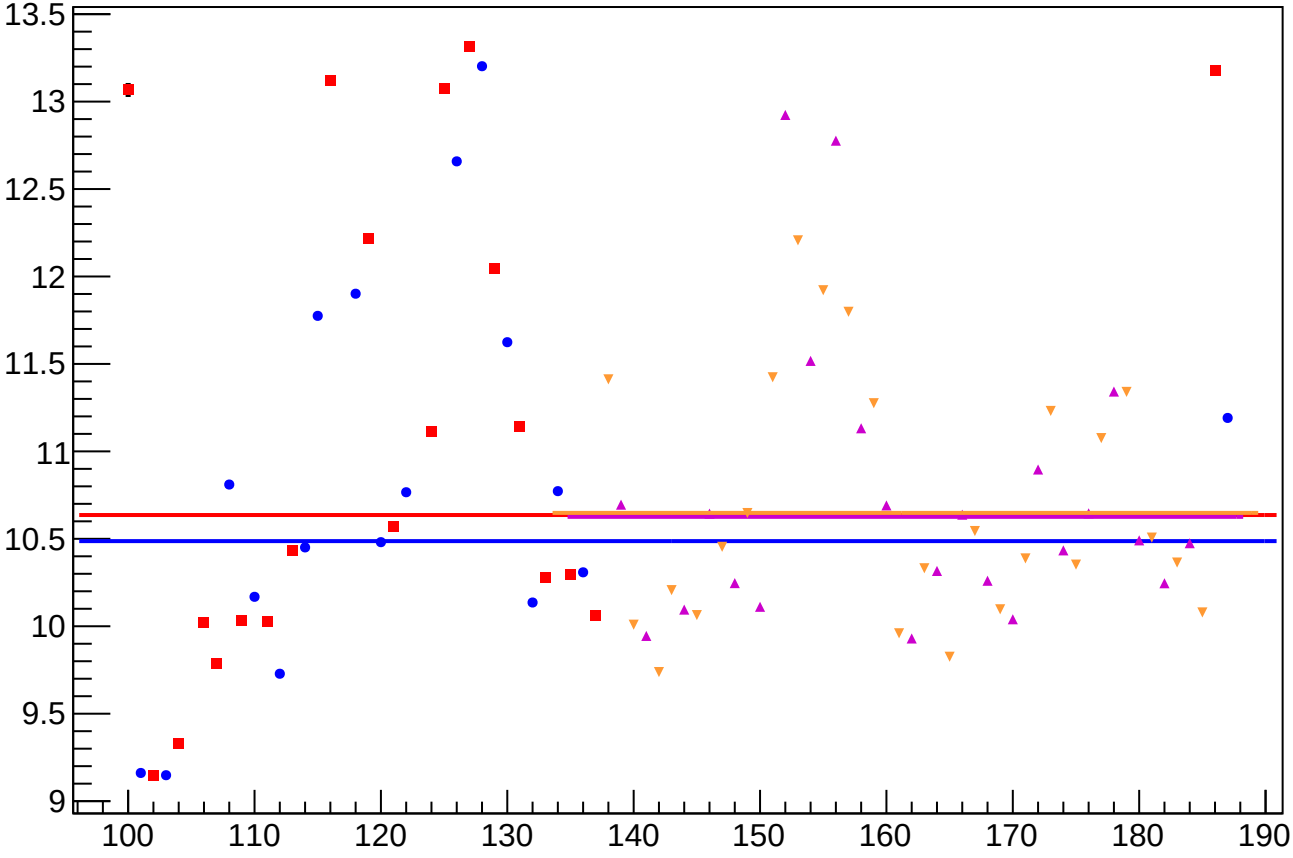
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.646+/-2.071 χ^2/NDF: 39.0/41

All: -0.980+/-1.473 χ^2/NDF: 108.1/84

- sign -0.296+/-2.097 χ^2/NDF: 68.9/42

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.487+/-0.003 χ^2/NDF: 158875.2/16

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.636+/-0.003 χ^2/NDF: 218500.5/19

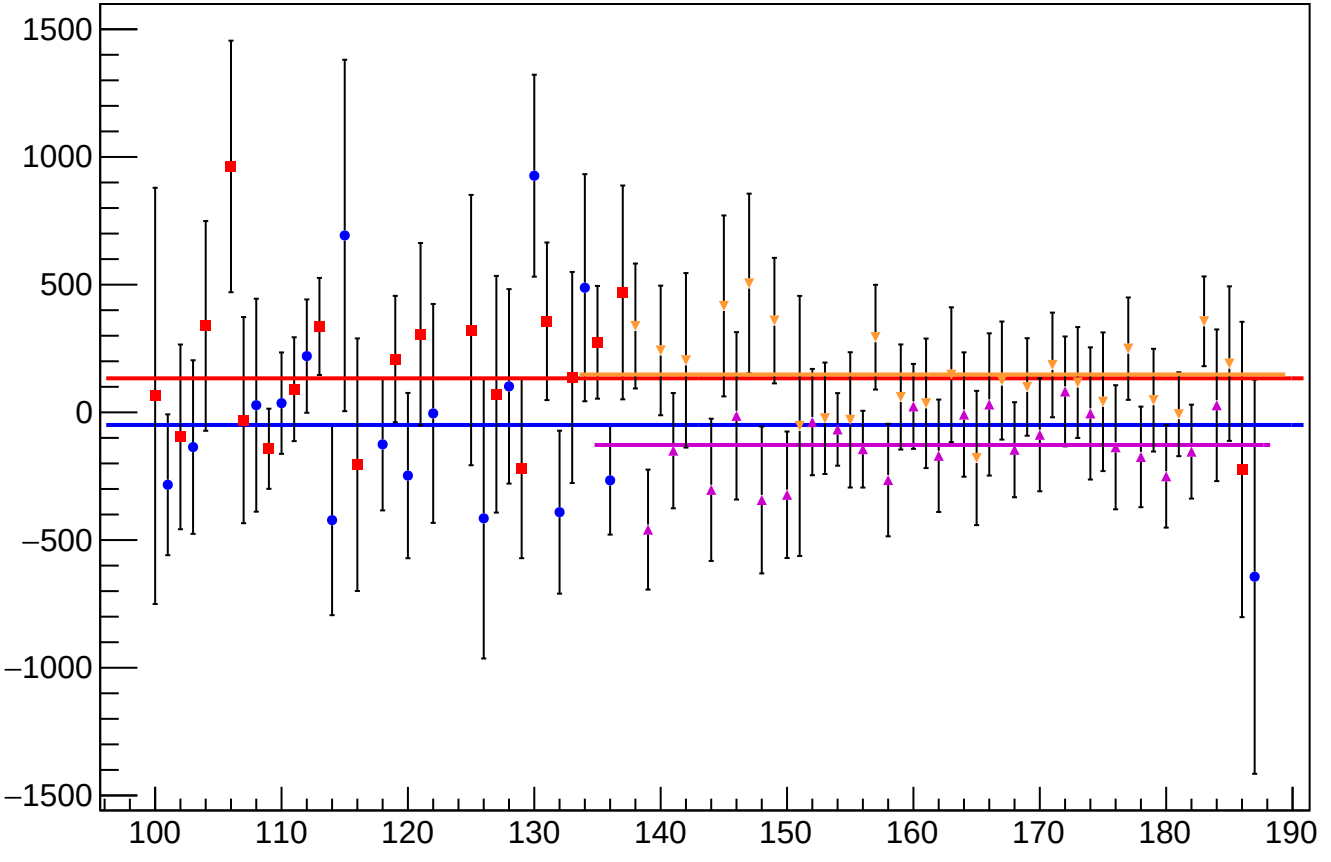
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.603+/-0.001 χ^2/NDF: 304875.4/41

All: 10.616+/-0.001 χ^2/NDF: 683086.7/84

- sign 10.629+/-0.001 χ^2/NDF: 378054.0/42

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -49.390+/-77.195 χ^2/NDF: 16.1/16

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 133.249+/-69.329 χ^2/NDF: 11.8/18

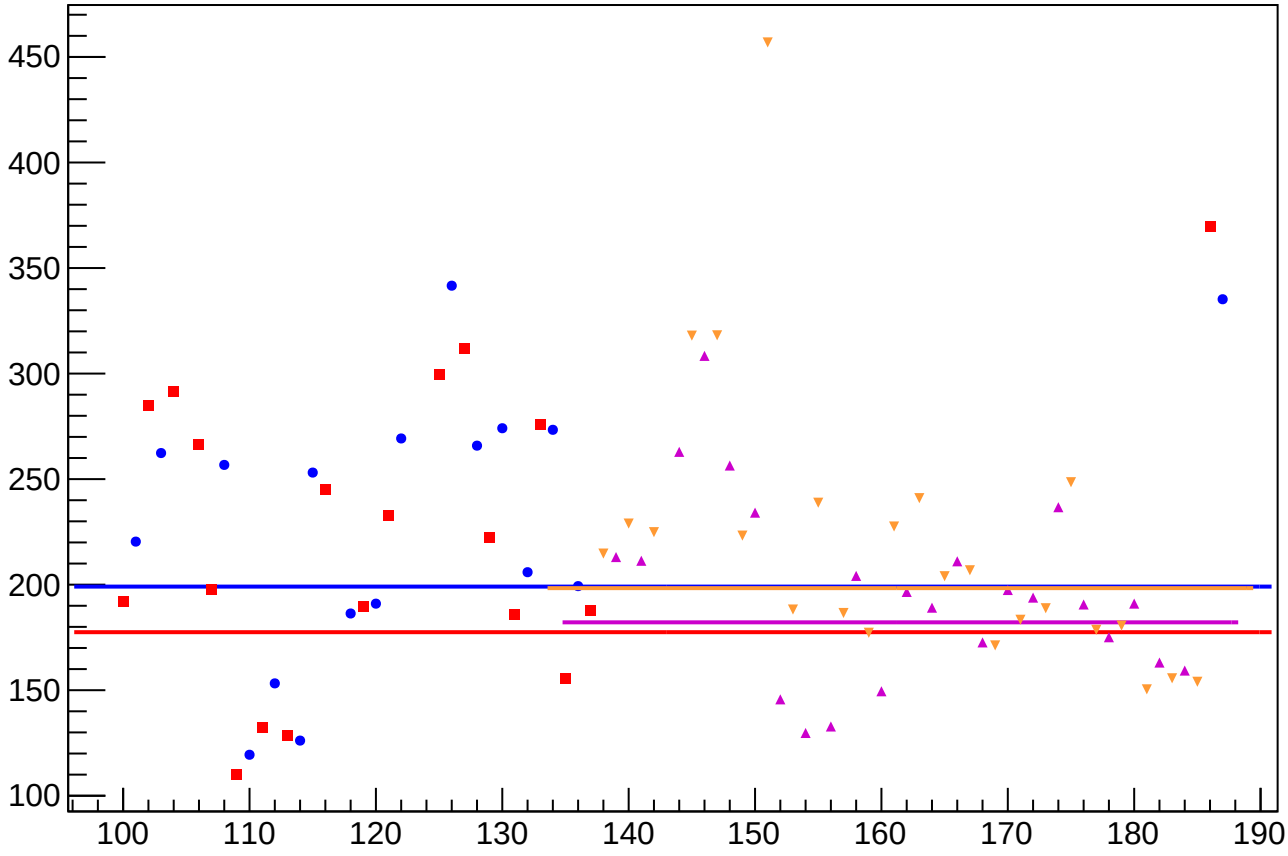
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign 93.742+/-40.591 χ^2/NDF: 30.7/40

All: 15.066+/-27.507 χ^2/NDF: 67.4/82

- sign -51.746+/-37.405 χ^2/NDF: 29.7/41

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 199.083+/-0.055 χ^2/NDF: 1063202.4/16

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 177.485+/-0.049 χ^2/NDF: 1759440.8/18

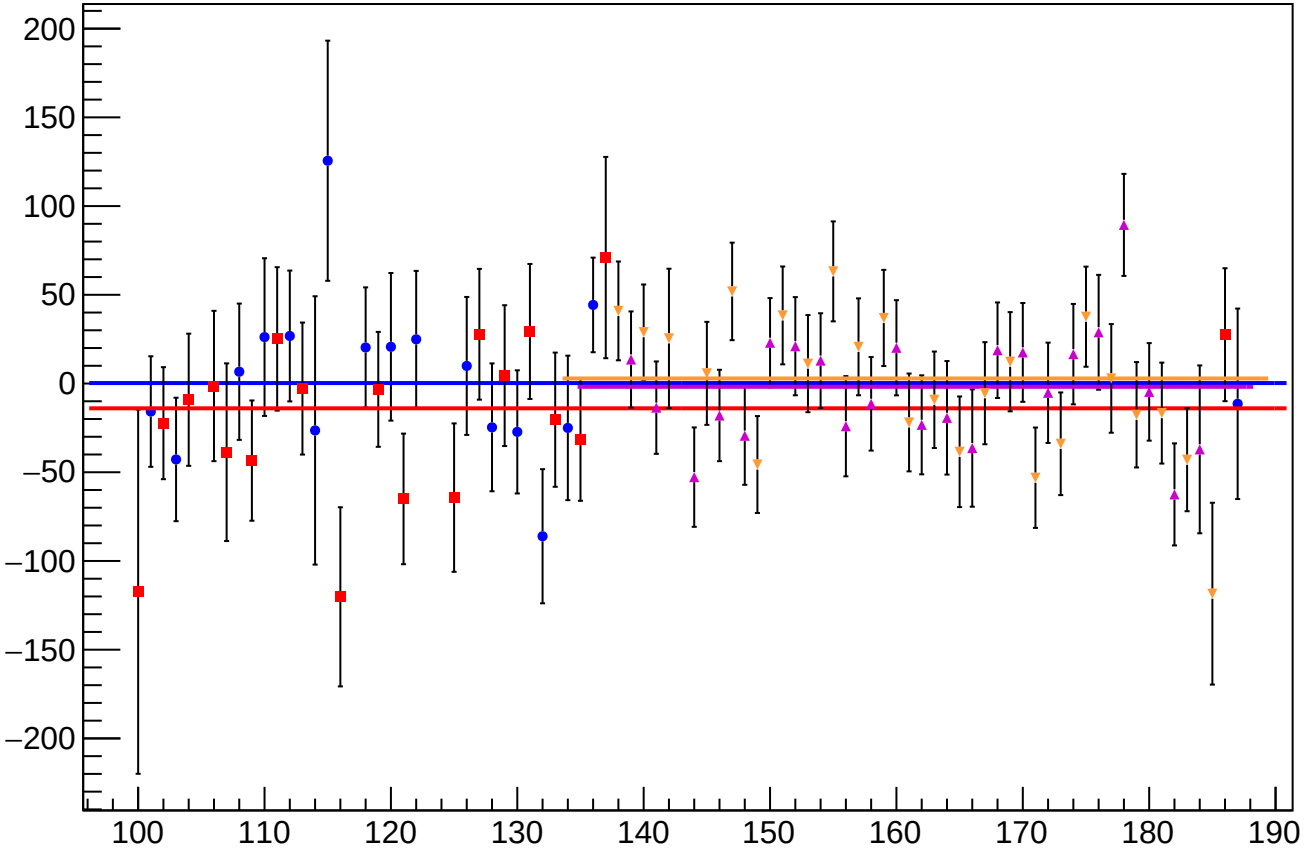
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 198.554+/-0.029 χ^2/NDF: 2760390.8/40

All: 188.949+/-0.019 χ^2/NDF: 6317695.0/82

- sign 180.792+/-0.026 χ^2/NDF: 3350217.8/41

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: 0.259+/-9.280 χ^2/NDF: 16.8/16

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -13.973+/-9.032 χ^2/NDF: 17.7/18

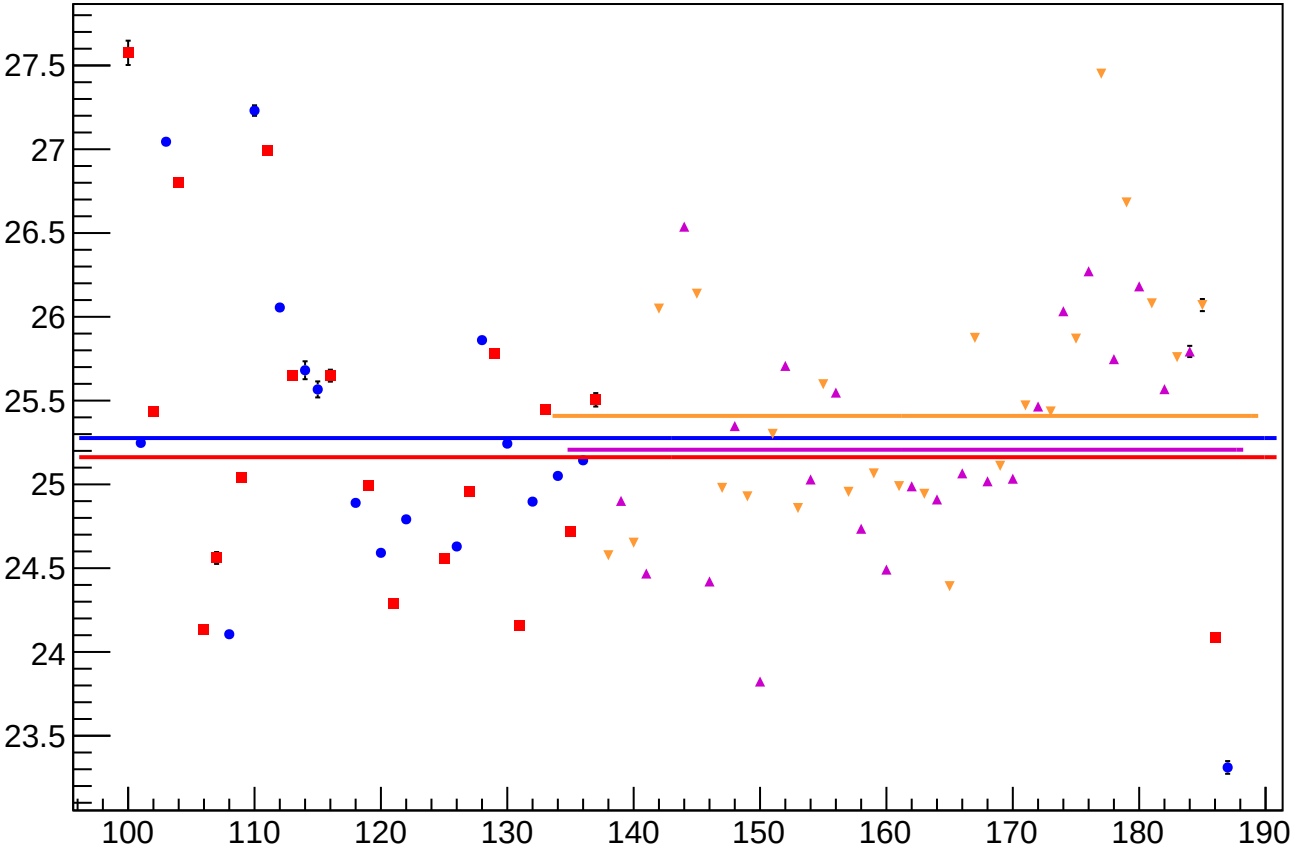
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 2.104+/-4.982 χ^2/NDF: 53.7/40

All: -1.718+/-3.506 χ^2/NDF: 101.9/82

- sign -5.470+/-4.936 χ^2/NDF: 47.0/41

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 25.276+/-0.007 χ^2/NDF: 17080.0/16

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 25.162+/-0.006 χ^2/NDF: 16930.8/18

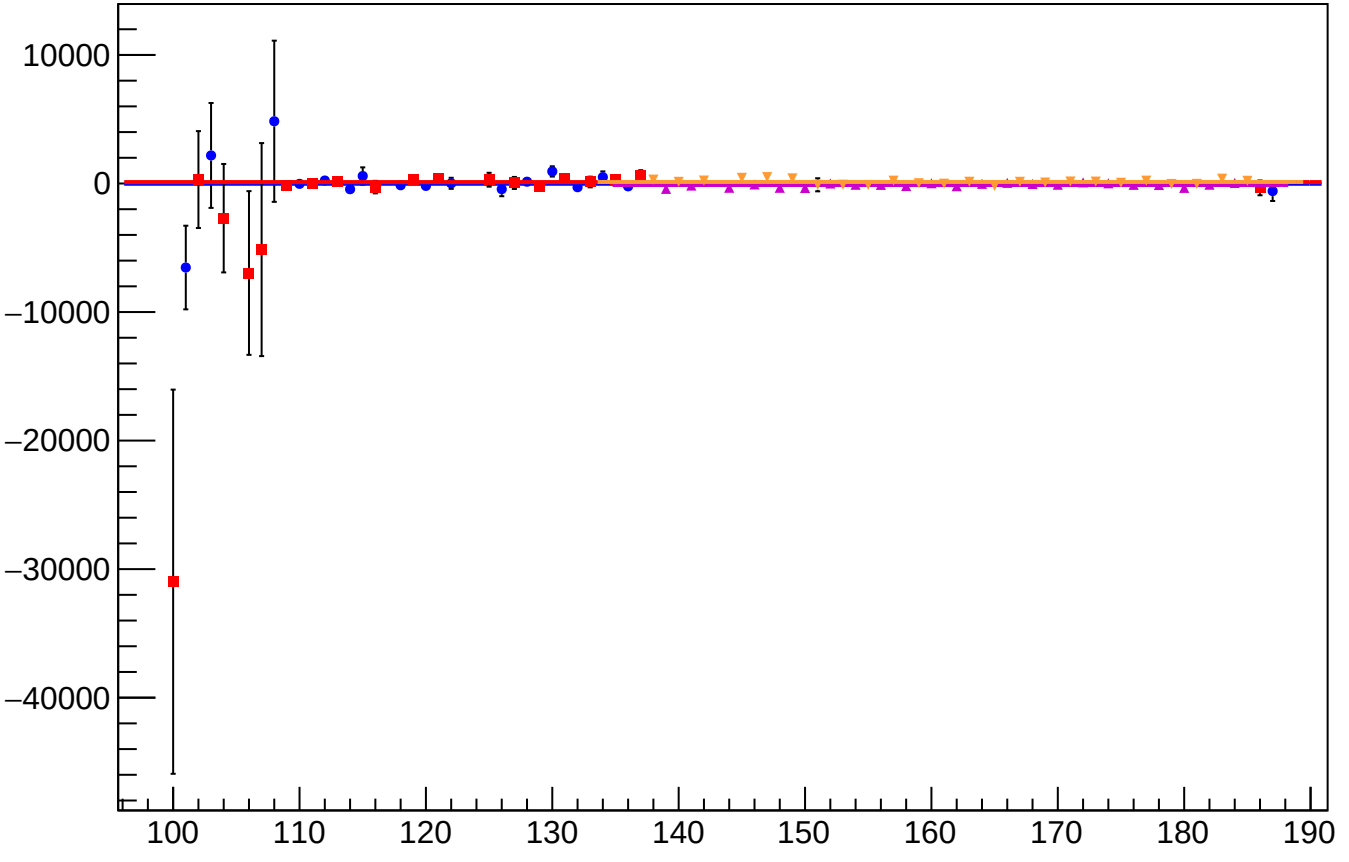
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 25.371+/-0.004 χ^2/NDF: 44232.8/40

All: 25.281+/-0.002 χ^2/NDF: 88300.3/82

- sign 25.194+/-0.003 χ^2/NDF: 42792.3/41

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -20.003+/-83.952 χ^2/NDF: 18.9/16

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 111.631+/-77.534 χ^2/NDF: 15.0/18

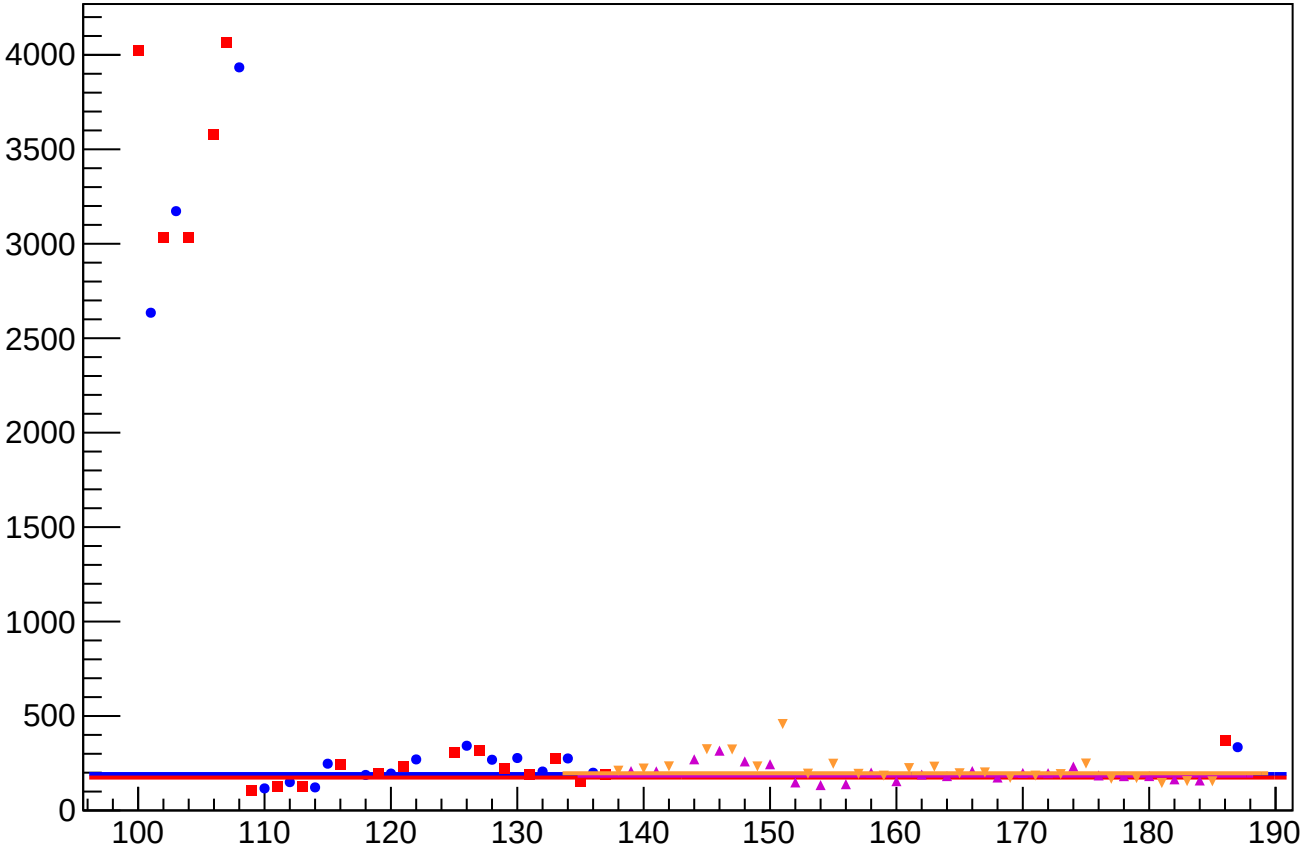
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign 86.282+/-41.302 χ^2/NDF: 32.9/40

All: 8.948+/-28.272 χ^2/NDF: 69.4/82

- sign -59.233+/-38.781 χ^2/NDF: 29.9/41

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 192.776+/-0.059 χ^2/NDF: 3902755.4/16

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 174.080+/-0.055 χ^2/NDF: 4486350.2/18

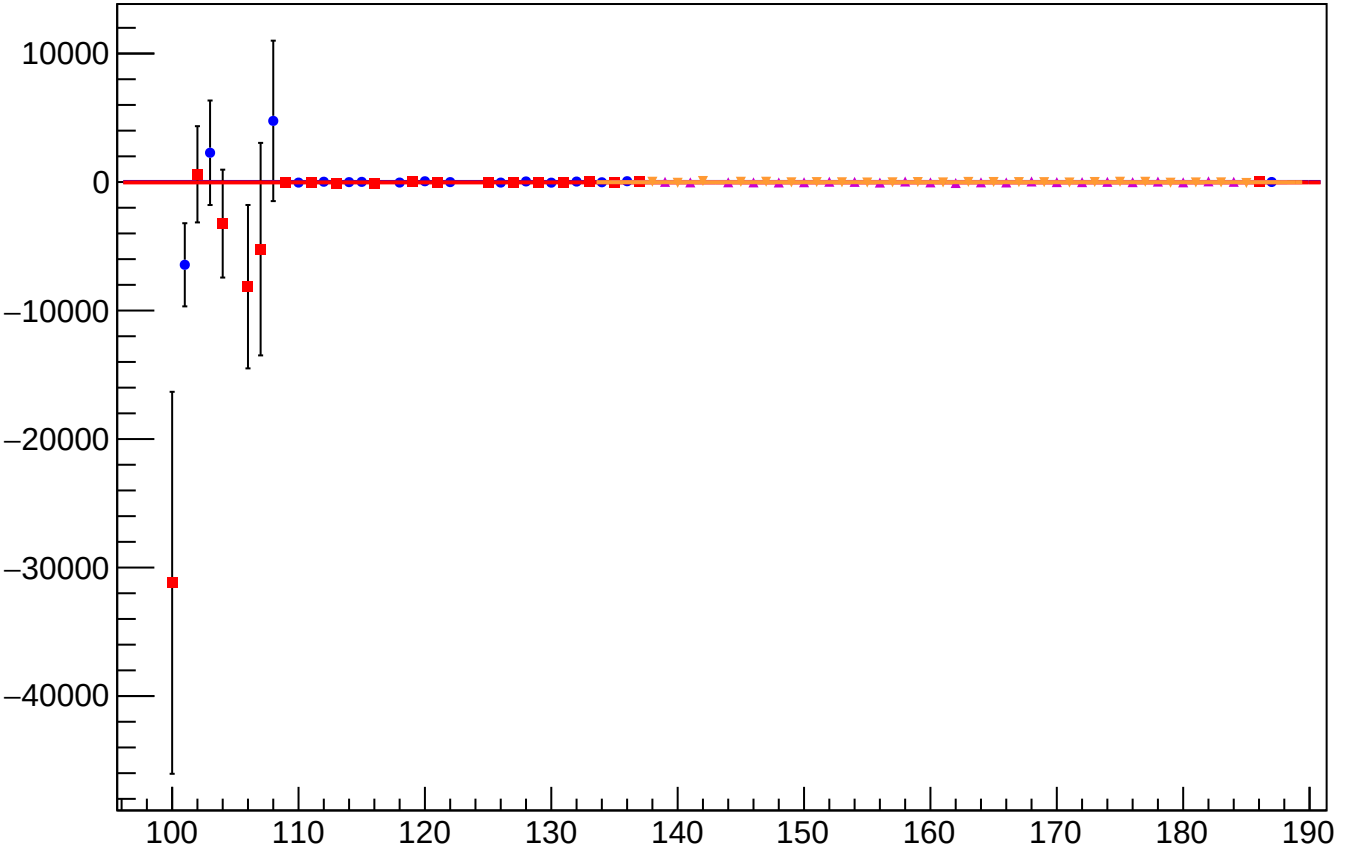
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 195.928+/-0.029 χ^2/NDF: 5715743.3/40

All: 188.290+/-0.020 χ^2/NDF: 11801026.6/82

- sign 181.556+/-0.027 χ^2/NDF: 5956579.4/41

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 6.410+/-11.596 χ^2/NDF: 18.3/16

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -28.378+/-11.729 χ^2/NDF: 20.5/18

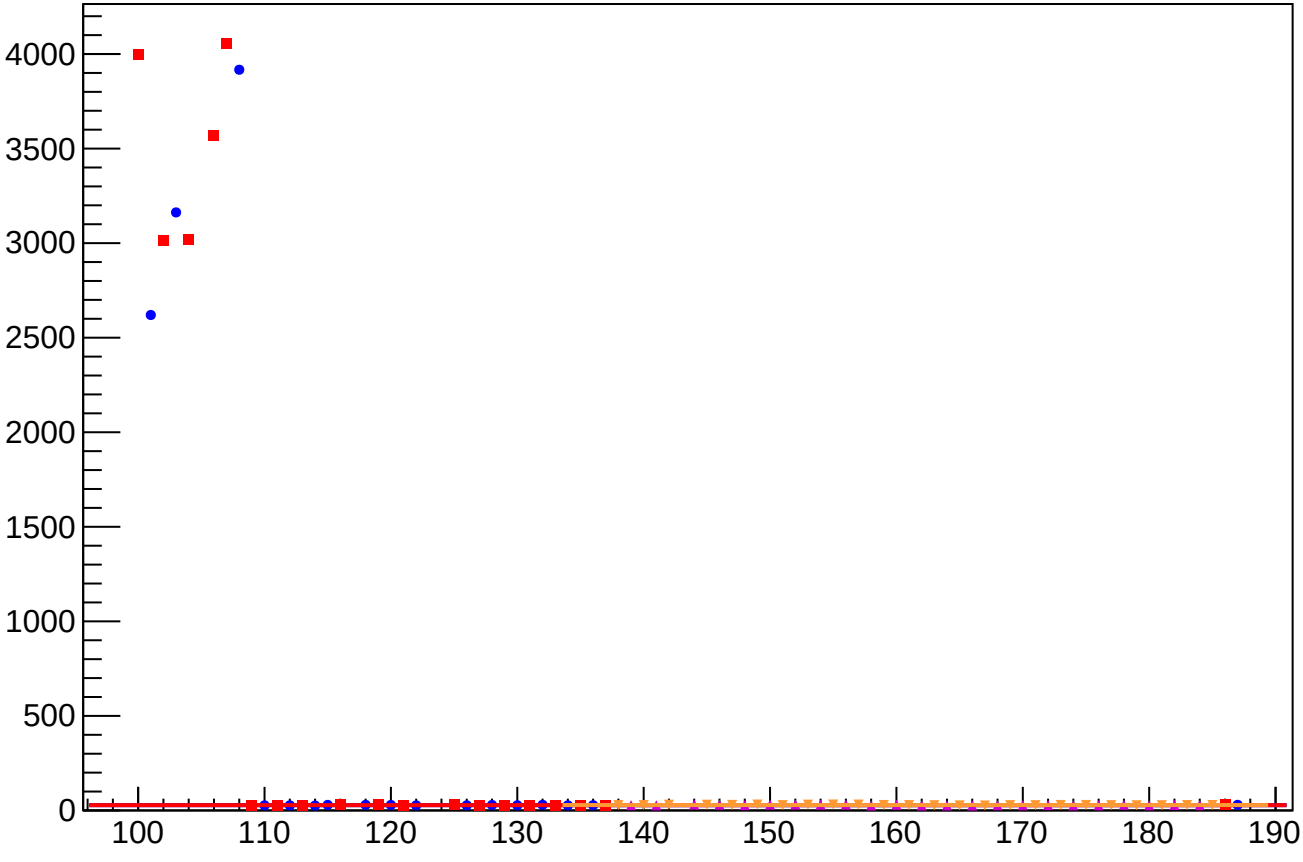
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.772+/-5.771 χ^2/NDF: 37.5/40

All: -7.858+/-4.104 χ^2/NDF: 83.9/82

- sign -8.970+/-5.839 χ^2/NDF: 46.3/41

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.876+/-0.008 χ^2/NDF: 3267207.5/16

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.983+/-0.008 χ^2/NDF: 3568305.5/18

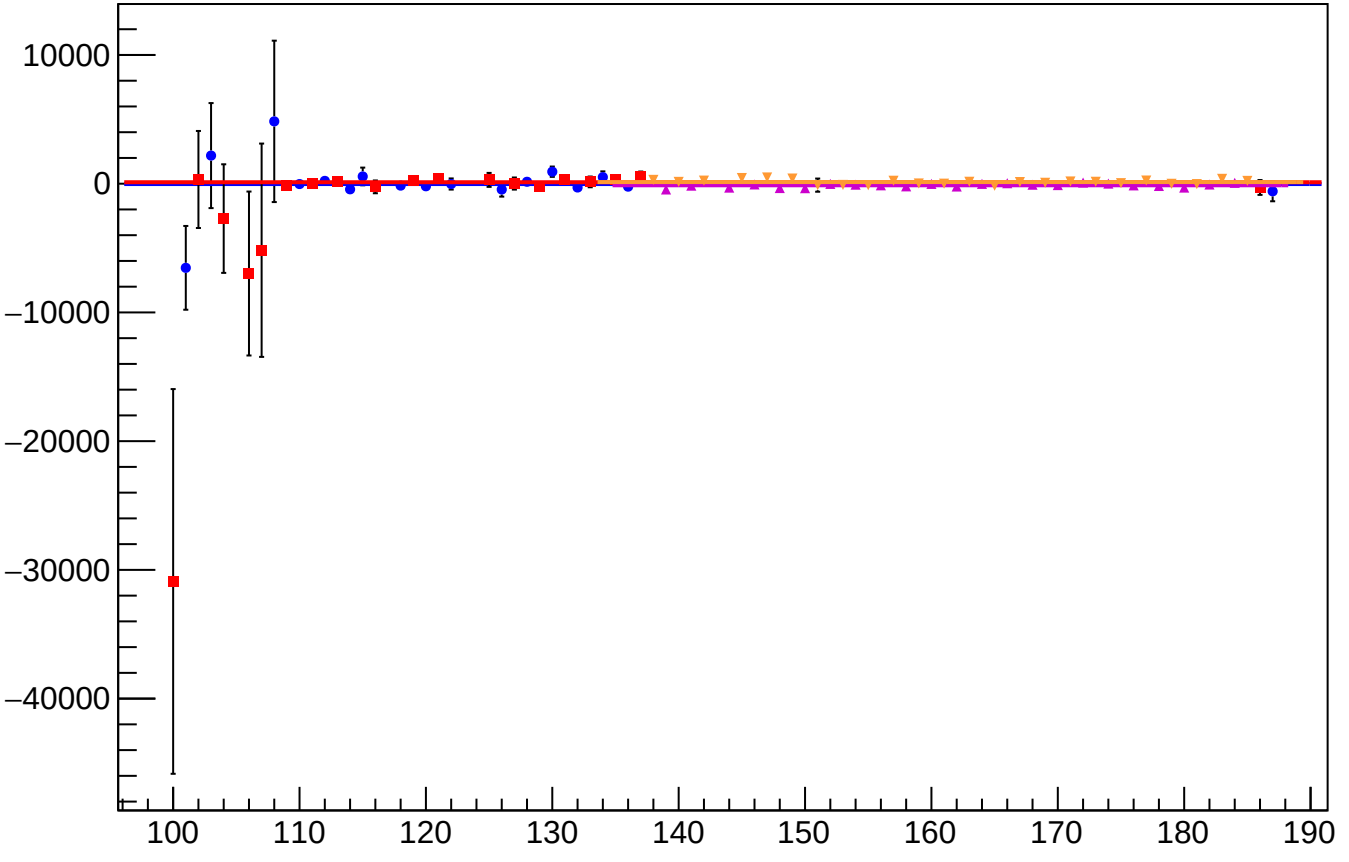
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.415+/-0.004 χ^2/NDF: 3353951.5/40

All: 28.478+/-0.003 χ^2/NDF: 7056193.2/82

\- sign 28.543+/-0.004 χ^2/NDF: 3701753.1/41

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -26.333+/-84.554 χ^2/NDF: 18.7/16

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 113.935+/-78.117 χ^2/NDF: 13.8/18

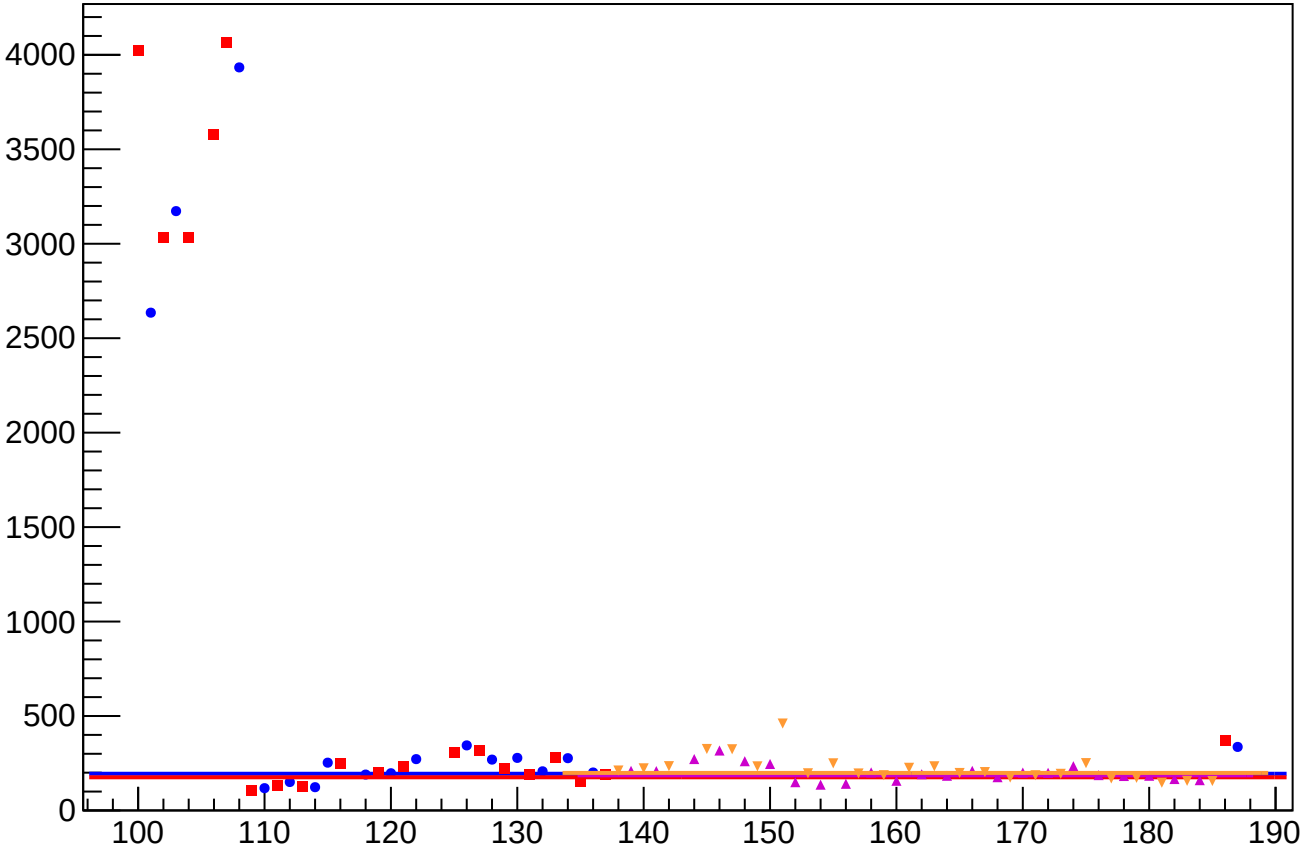
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign 89.329+/-41.646 χ^2/NDF: 32.8/40

All: 8.181+/-28.514 χ^2/NDF: 68.6/82

- sign -63.430+/-39.122 χ^2/NDF: 28.6/41

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 194.275+/-0.060 χ^2/NDF: 3890974.3/16

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 175.515+/-0.055 χ^2/NDF: 4476896.5/18

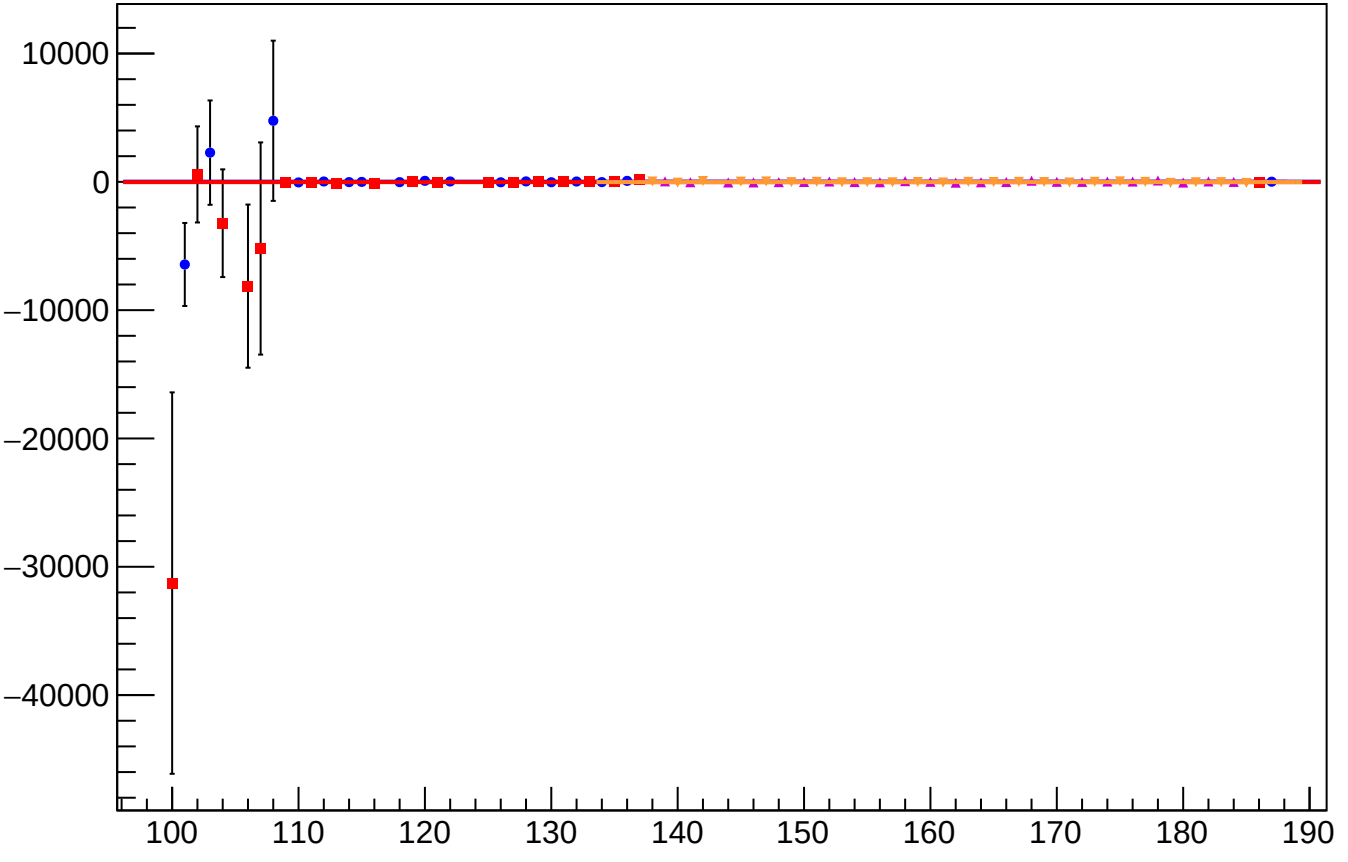
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 197.654+/-0.029 χ^2/NDF: 5681597.5/40

All: 190.015+/-0.020 χ^2/NDF: 11717032.0/82

- sign 183.274+/-0.028 χ^2/NDF: 5908760.0/41

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 13.661+/-12.865 χ^2/NDF: 15.5/16

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -22.887+/-12.986 χ^2/NDF: 28.5/18

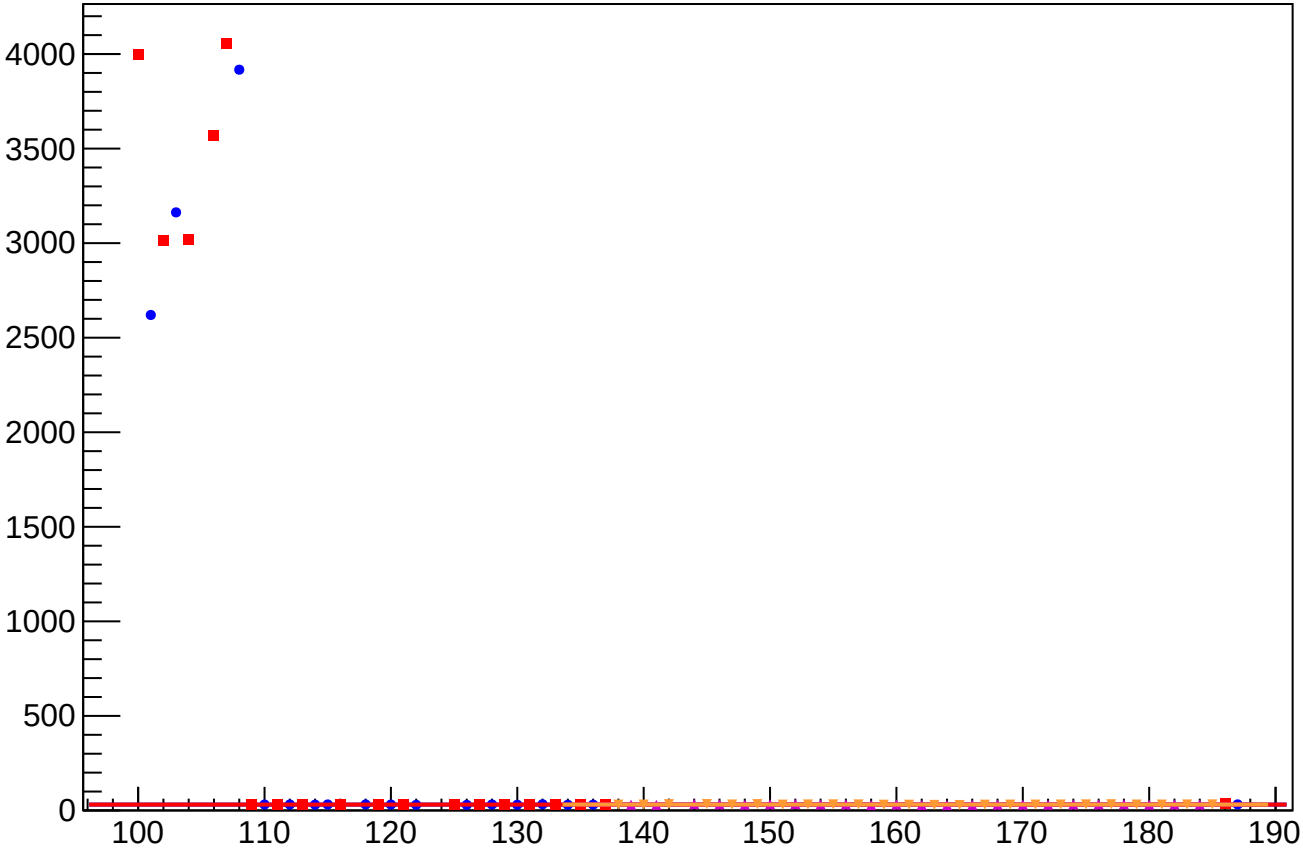
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -10.495+/-6.322 χ^2/NDF: 40.4/40

All: -7.037+/-4.496 χ^2/NDF: 107.9/82

- sign -3.499+/-6.395 χ^2/NDF: 66.9/41

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.962+/-0.009 χ^2/NDF: 3253046.2/16

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 31.021+/-0.009 χ^2/NDF: 3544949.4/18

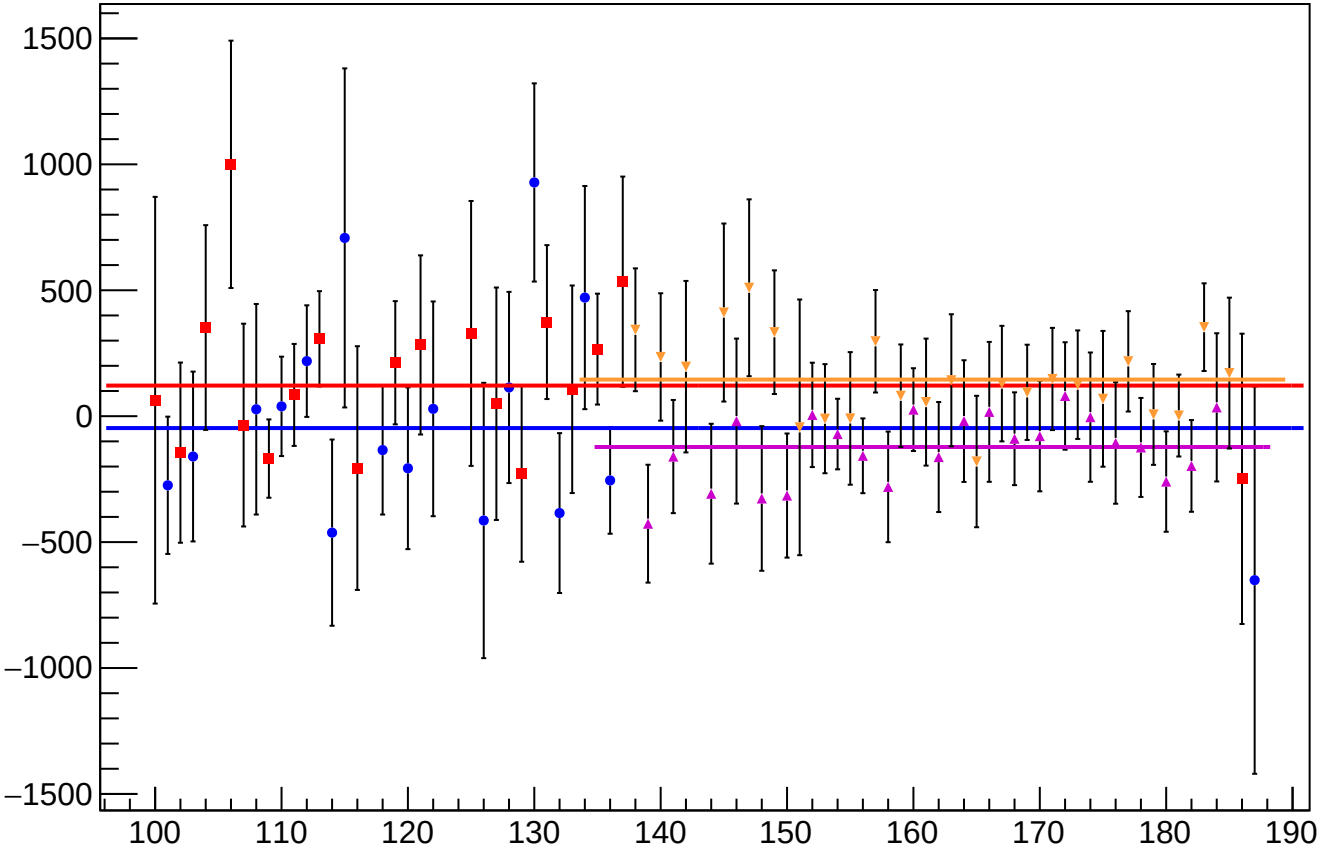
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 31.159+/-0.004 χ^2/NDF: 3301086.9/40

All: 31.225+/-0.003 χ^2/NDF: 6932862.7/82

- sign 31.292+/-0.005 χ^2/NDF: 3631333.7/41

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -47.191+/-76.754 χ^2/NDF: 16.2/16

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 121.530+/-68.885 χ^2/NDF: 13.2/18

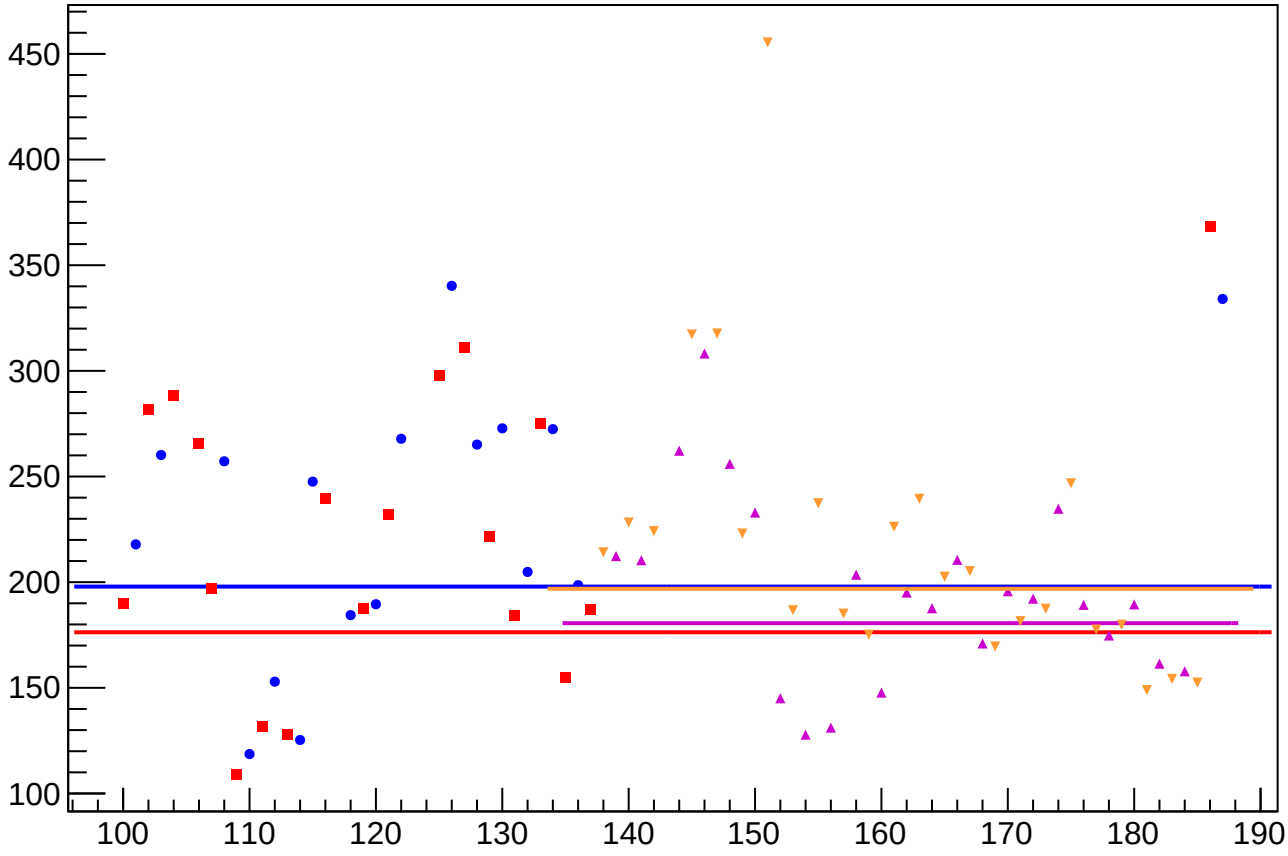
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign 92.182+/-40.323 χ^2/NDF: 30.1/40

All: 14.418+/-27.314 χ^2/NDF: 67.0/82

- sign -51.514+/-37.130 χ^2/NDF: 30.0/41

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 197.912+/-0.054 χ^2/NDF: 1064086.6/16

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 176.295+/-0.049 χ^2/NDF: 1758473.3/18

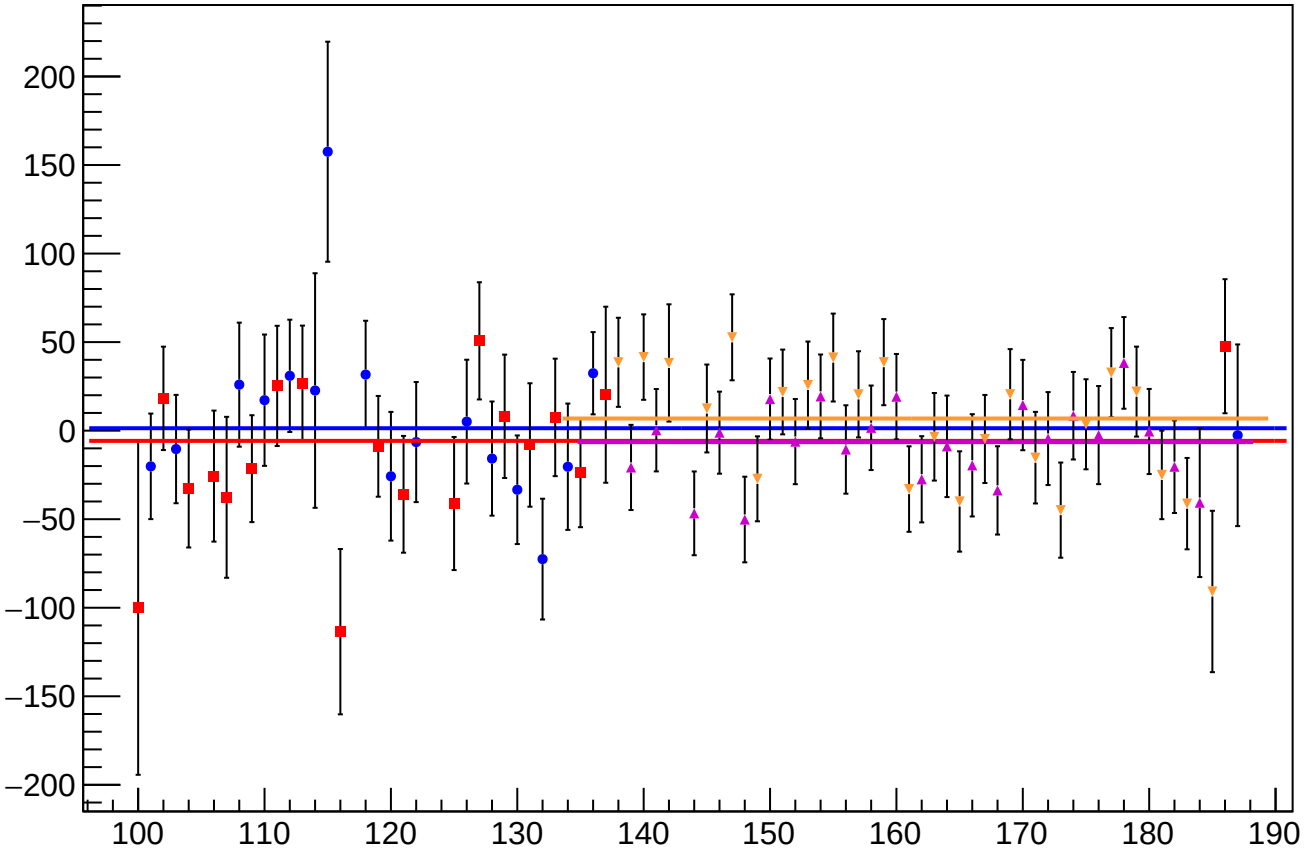
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 197.160+/-0.029 χ^2/NDF: 2789458.9/40

All: 187.522+/-0.019 χ^2/NDF: 6392678.1/82

- sign 179.350+/-0.026 χ^2/NDF: 3392090.6/41

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: 1.369+/-8.261 χ^2/NDF: 18.7/16

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -5.769+/-8.094 χ^2/NDF: 18.1/18

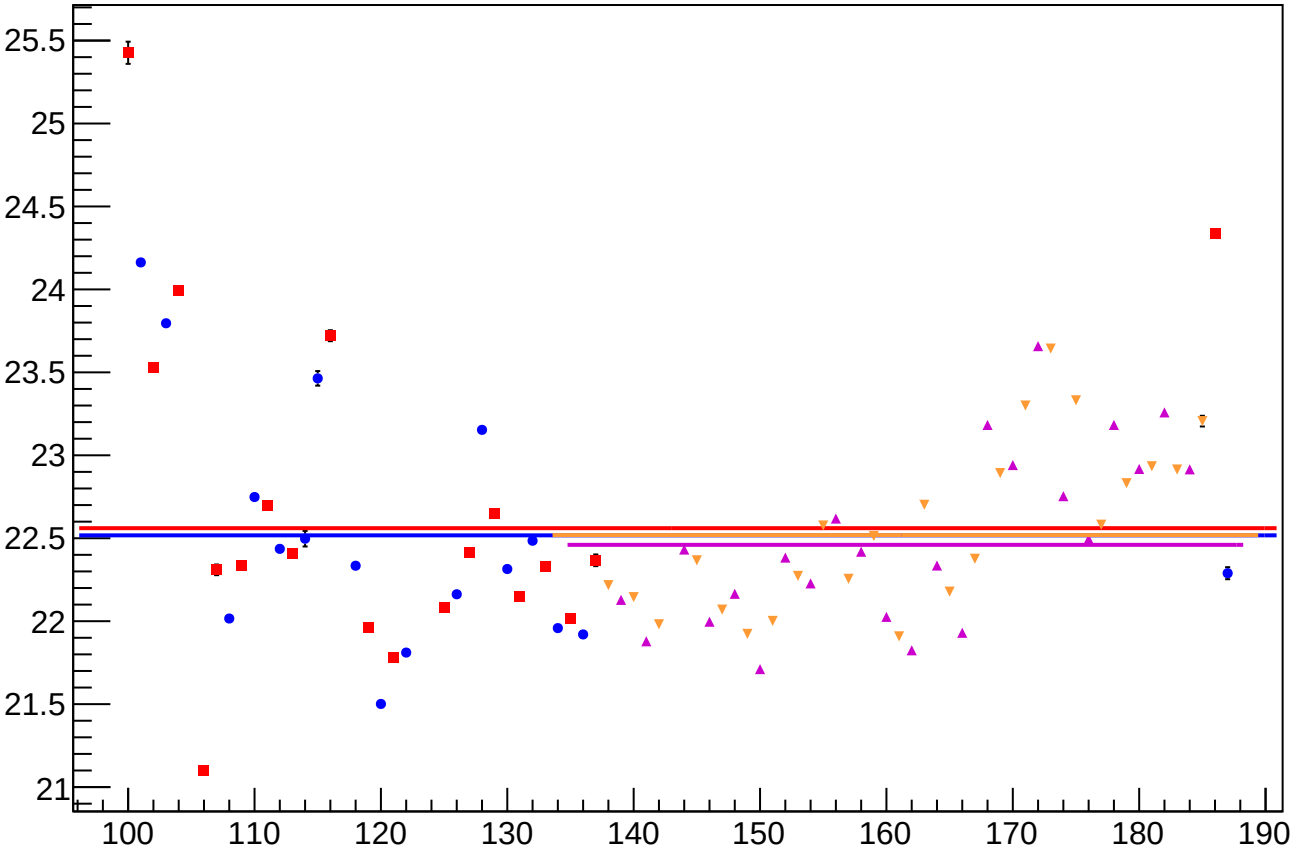
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 5.288+/-4.418 χ^2/NDF: 55.8/40

All: -0.512+/-3.119 χ^2/NDF: 94.8/82

- sign -6.271+/-4.403 χ^2/NDF: 35.6/41

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.517+/-0.006 χ^2/NDF: 15988.4/16

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.561+/-0.006 χ^2/NDF: 20152.5/18

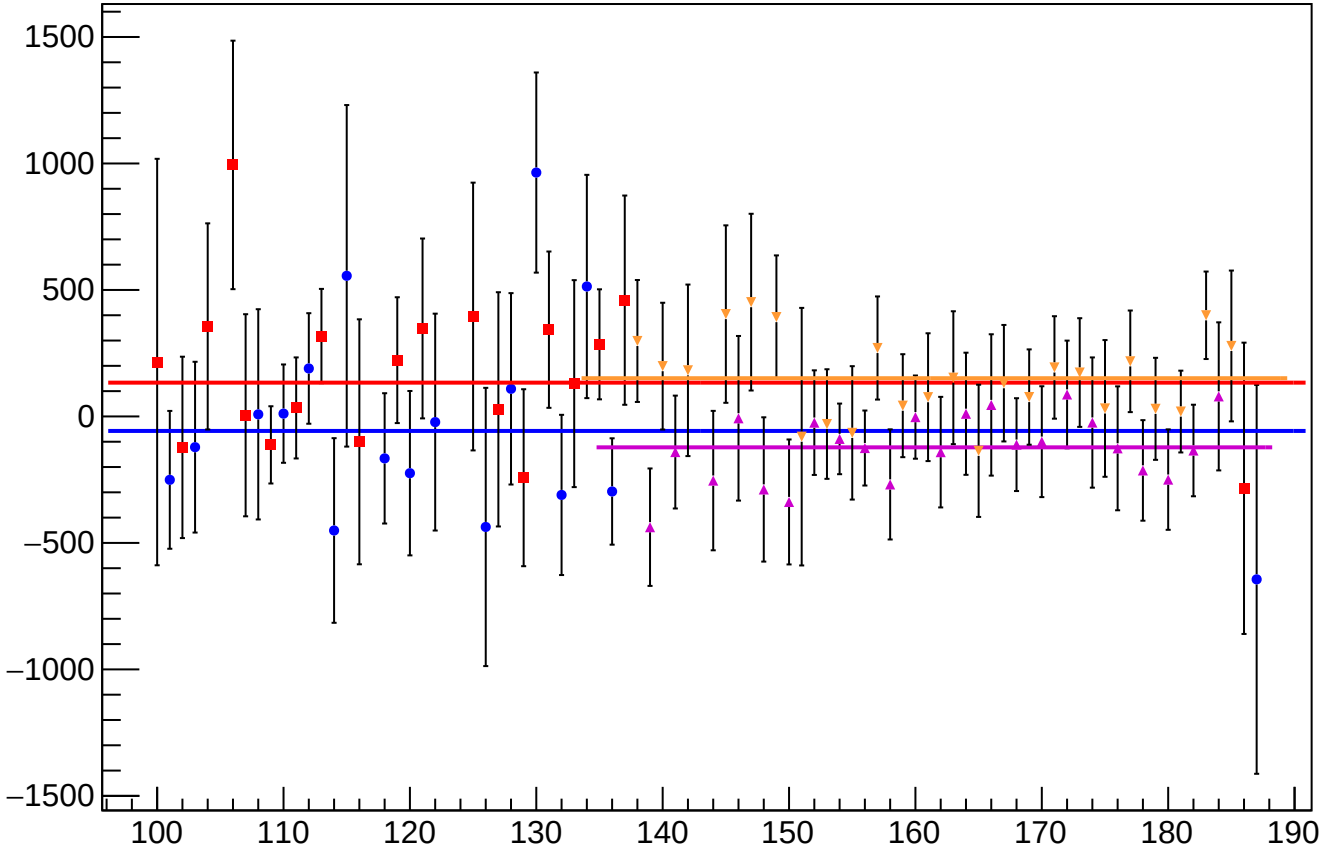
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.519+/-0.003 χ^2/NDF: 31986.7/40

All: 22.504+/-0.002 χ^2/NDF: 71515.7/82

- sign 22.490+/-0.003 χ^2/NDF: 39487.0/41

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -57.348+/-76.417 χ^2/NDF: 15.9/16

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 133.567+/-68.400 χ^2/NDF: 12.1/18

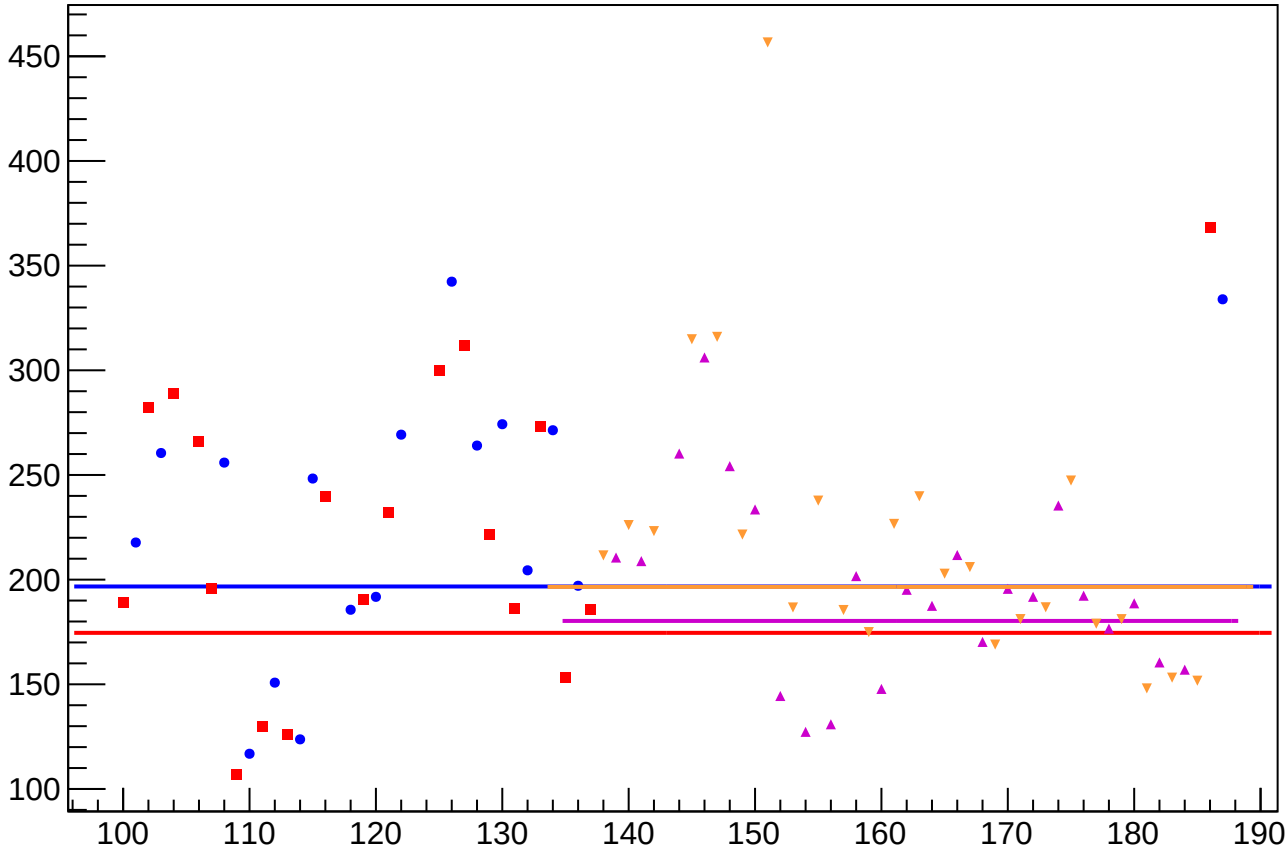
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign 93.338+/-40.229 χ^2/NDF: 31.3/40

All: 17.165+/-27.236 χ^2/NDF: 67.3/82

- sign -47.302+/-37.009 χ^2/NDF: 29.4/41

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 196.730+/-0.054 χ^2/NDF: 1105776.3/16

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 174.578+/-0.048 χ^2/NDF: 1830353.8/18

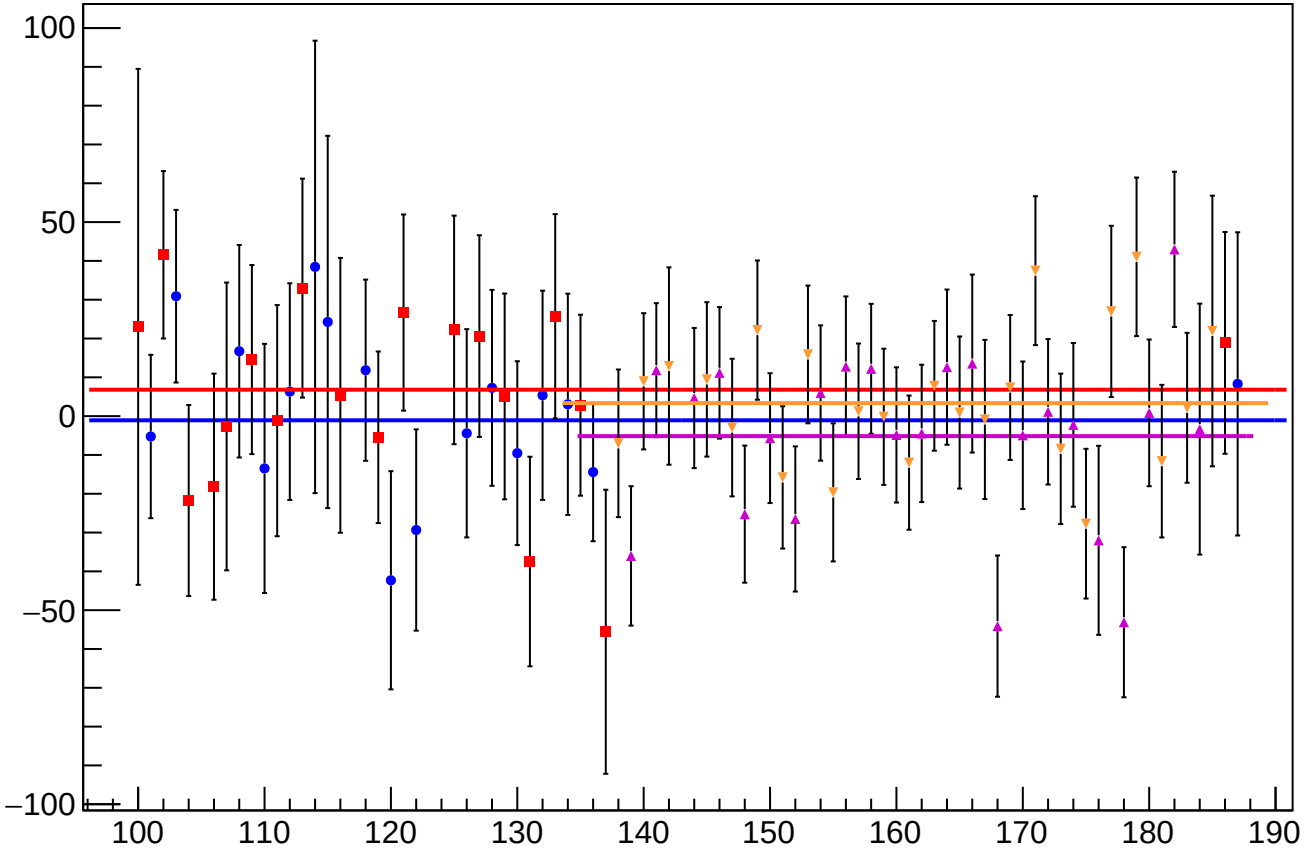
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 196.588+/-0.028 χ^2/NDF: 2833674.5/40

All: 186.849+/-0.019 χ^2/NDF: 6514934.1/82

- sign 178.607+/-0.026 χ^2/NDF: 3464845.7/41

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -1.071+/-6.410 χ^2/NDF: 8.1/16

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 6.814+/-6.313 χ^2/NDF: 13.6/18

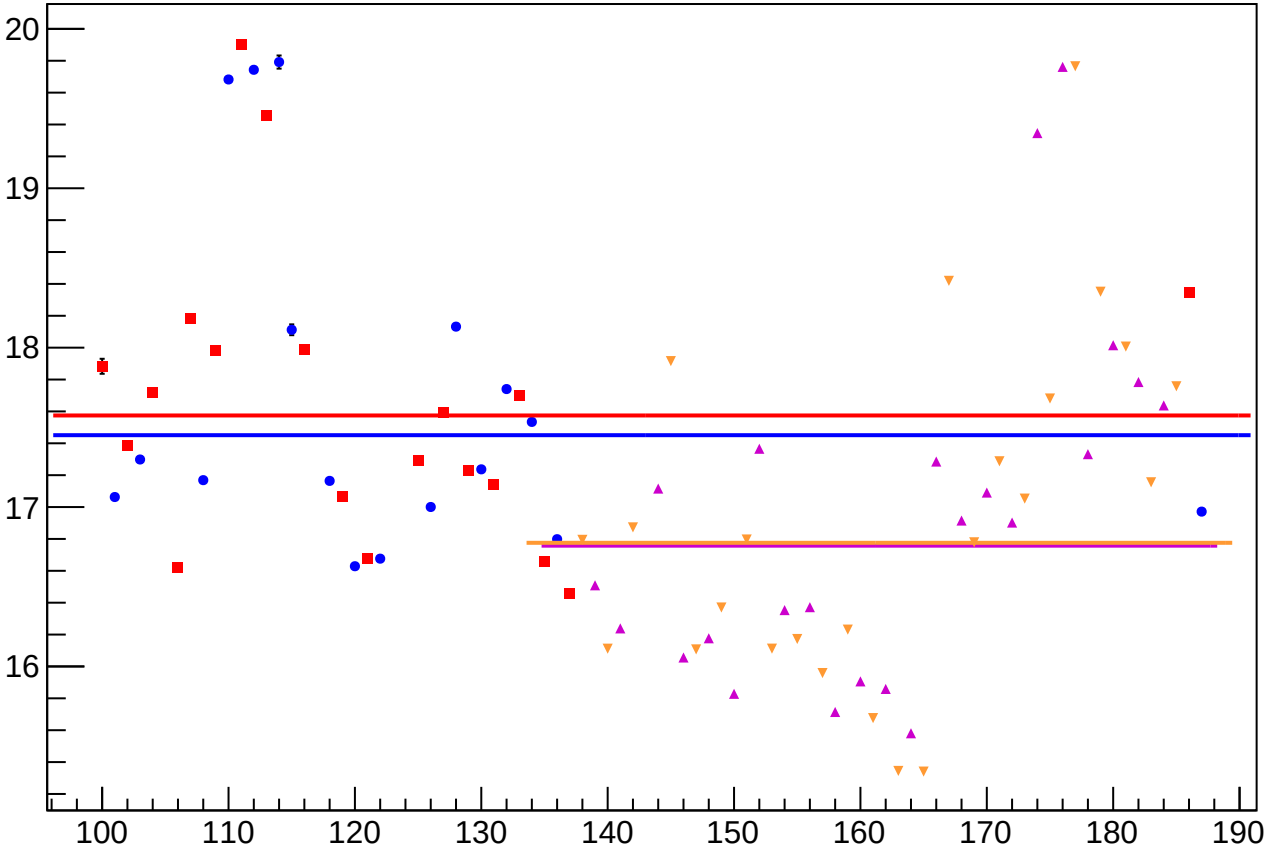
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 2.160+/-3.335 χ^2/NDF: 26.1/40

All: 0.171+/-2.357 χ^2/NDF: 75.3/82

- sign -1.816+/-3.333 χ^2/NDF: 48.5/41

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.451+/-0.005 χ^2/NDF: 36959.7/16

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

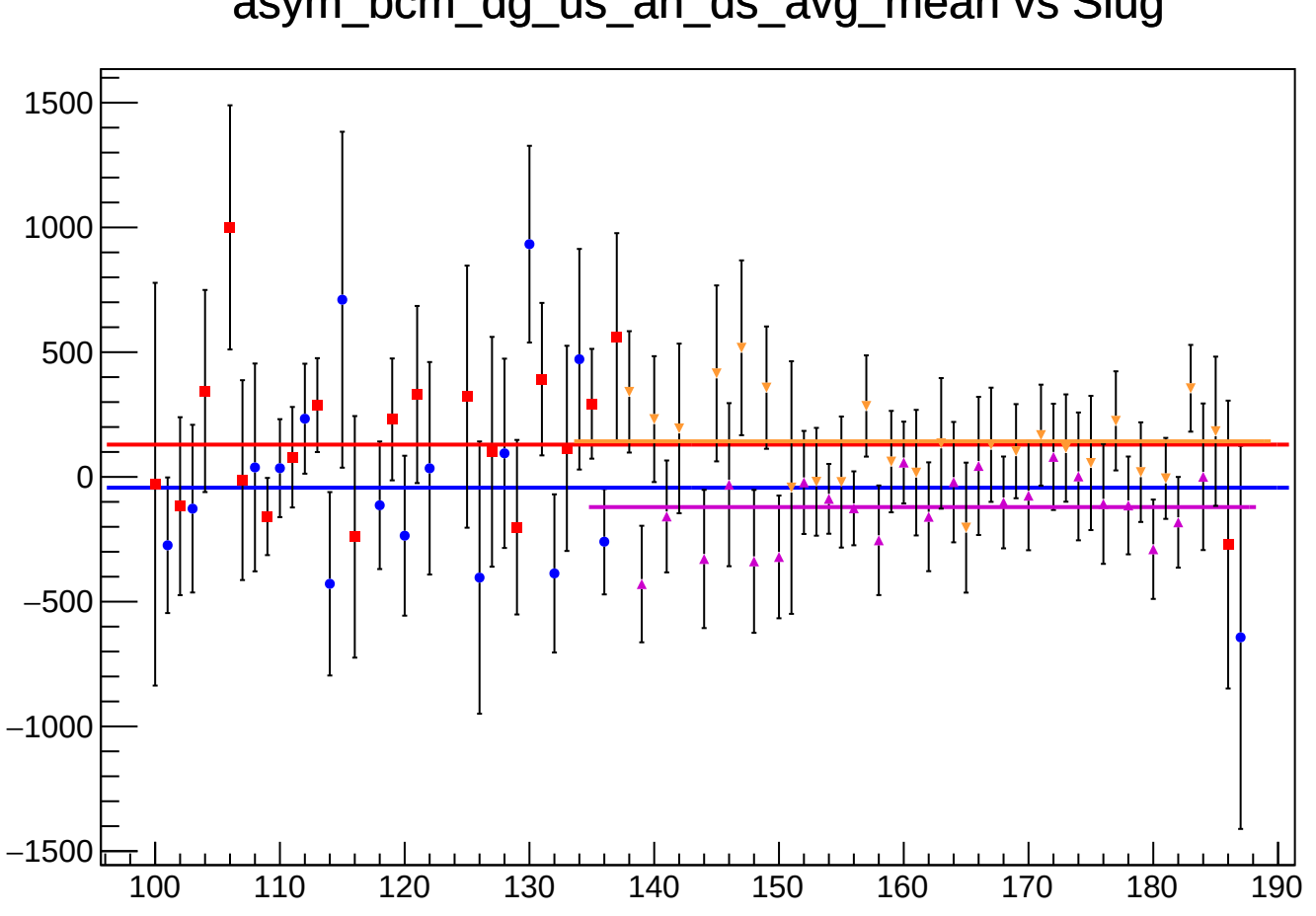
Right Out: 17.575+/-0.004 χ^2/NDF: 36006.7/18

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.958+/-0.002 χ^2/NDF: 189284.5/40

All: 16.972+/-0.002 χ^2/NDF: 372814.0/82

- sign 16.985+/-0.002 χ^2/NDF: 183463.9/41



Right In: -43.259+/-76.532 χ^2/NDF: 16.3/16

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 129.521+/-68.666 χ^2/NDF: 13.3/18

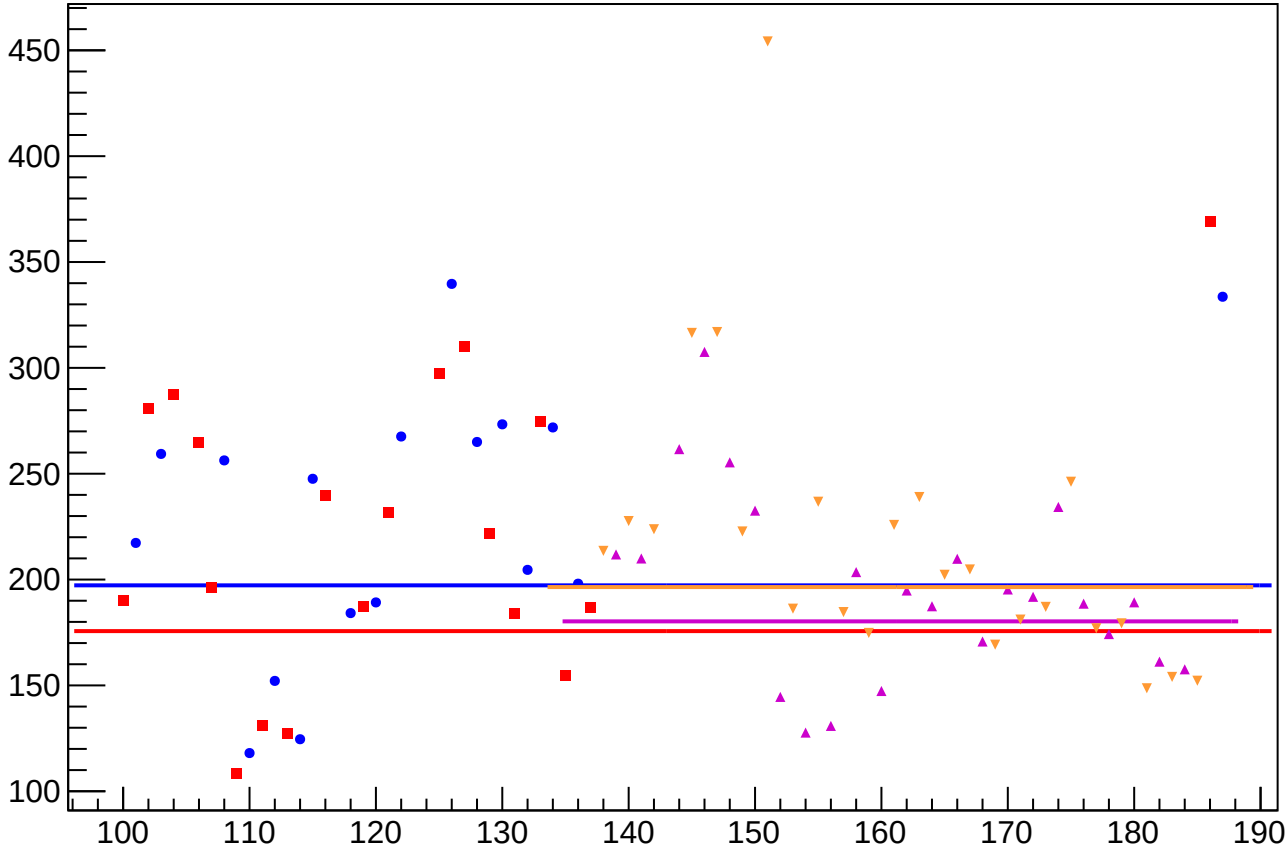
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign 91.318+/-40.228 χ^2/NDF: 30.7/40

All: 15.921+/-27.250 χ^2/NDF: 68.1/82

- sign -48.011+/-37.043 χ^2/NDF: 31.0/41

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 197.267+/-0.054 χ^2/NDF: 1074678.7/16

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 175.650+/-0.049 χ^2/NDF: 1770934.0/18

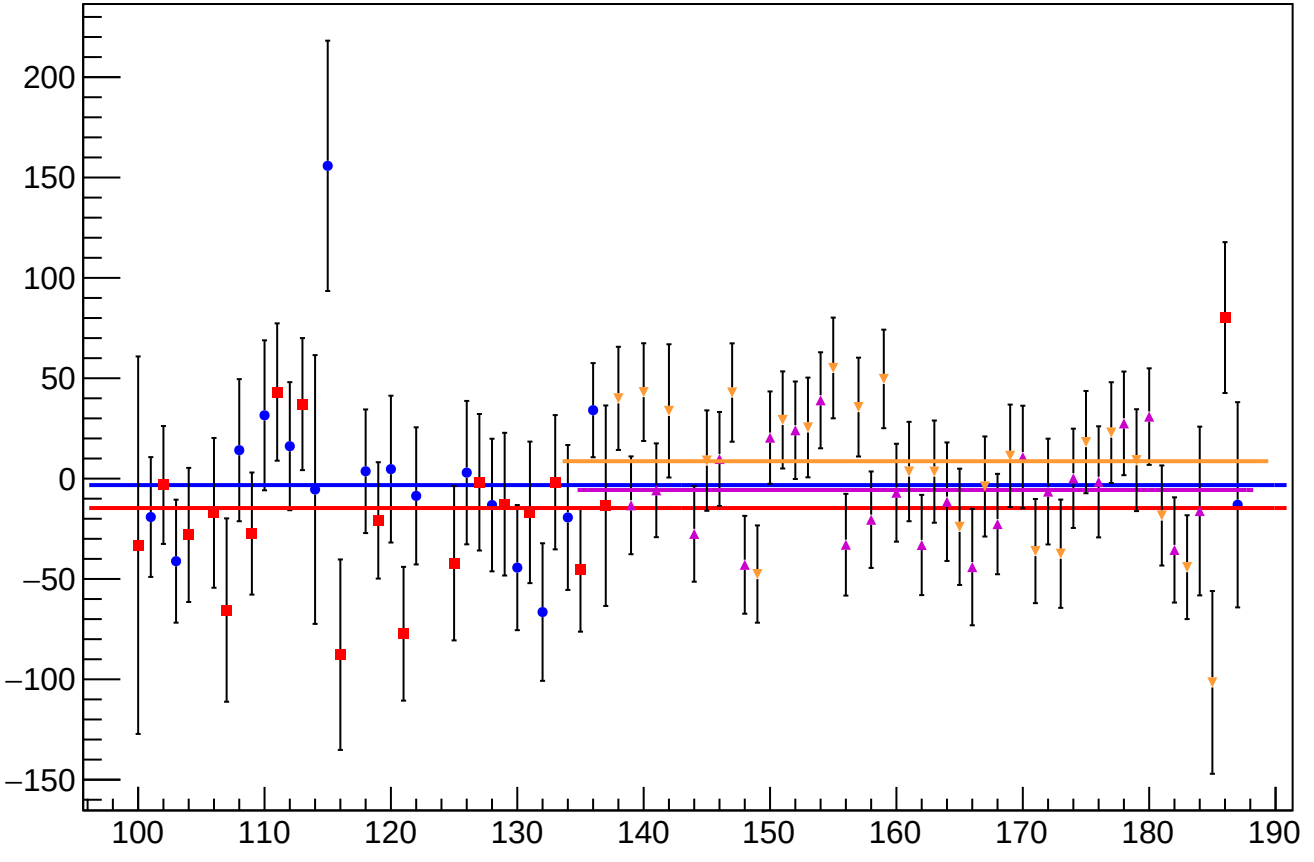
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

\+ sign 196.677+/-0.028 χ^2/NDF: 2798372.1/40

All: 187.062+/-0.019 χ^2/NDF: 6414562.6/82

\- sign 178.910+/-0.026 χ^2/NDF: 3405068.3/41

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -3.236+/-8.341 χ^2/NDF: 18.0/16

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -14.668+/-8.180 χ^2/NDF: 21.2/18

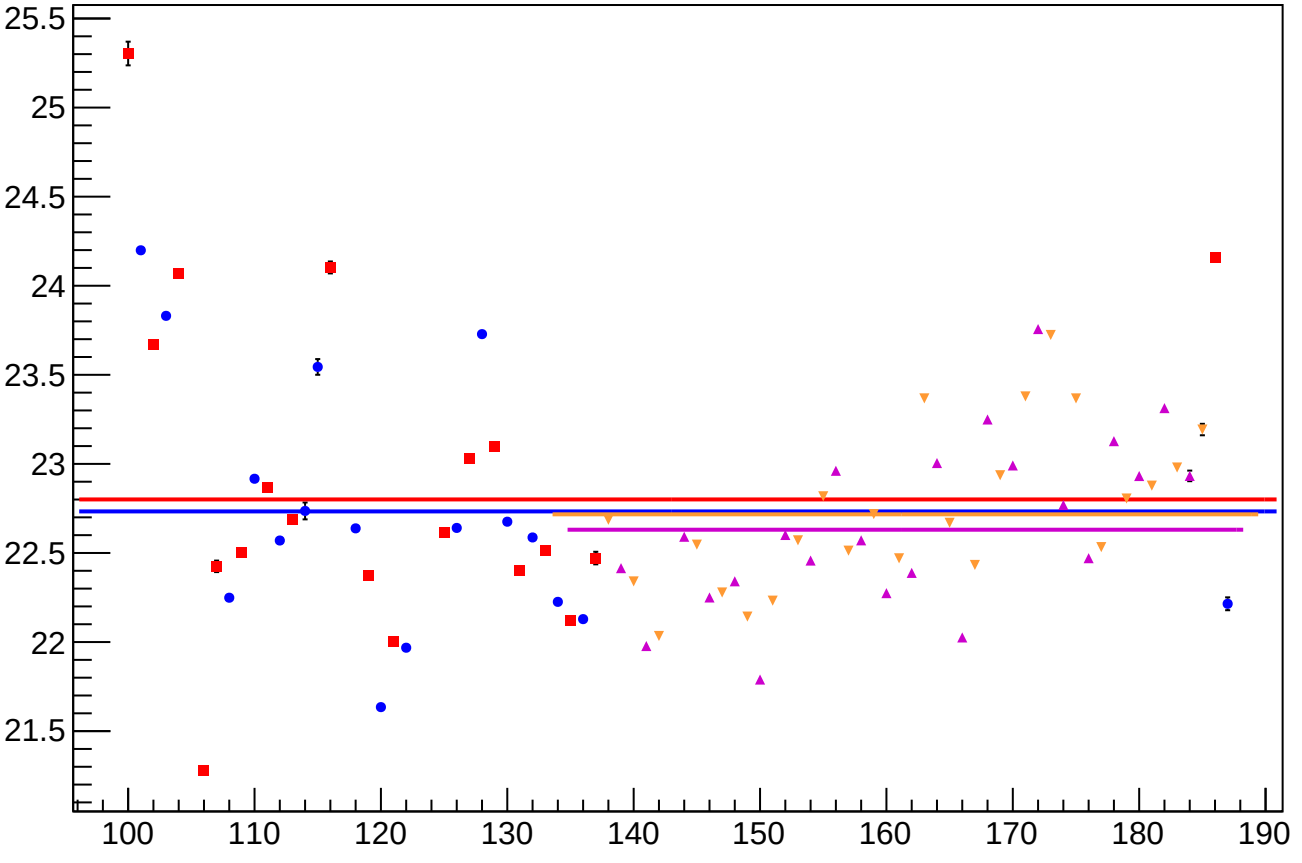
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 5.265+/-4.458 χ^2/NDF: 58.6/40

All: -1.555+/-3.146 χ^2/NDF: 106.1/82

- sign -8.319+/-4.440 χ^2/NDF: 42.9/41

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.733+/-0.006 χ^2/NDF: 14834.2/16

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.801+/-0.006 χ^2/NDF: 17135.2/18

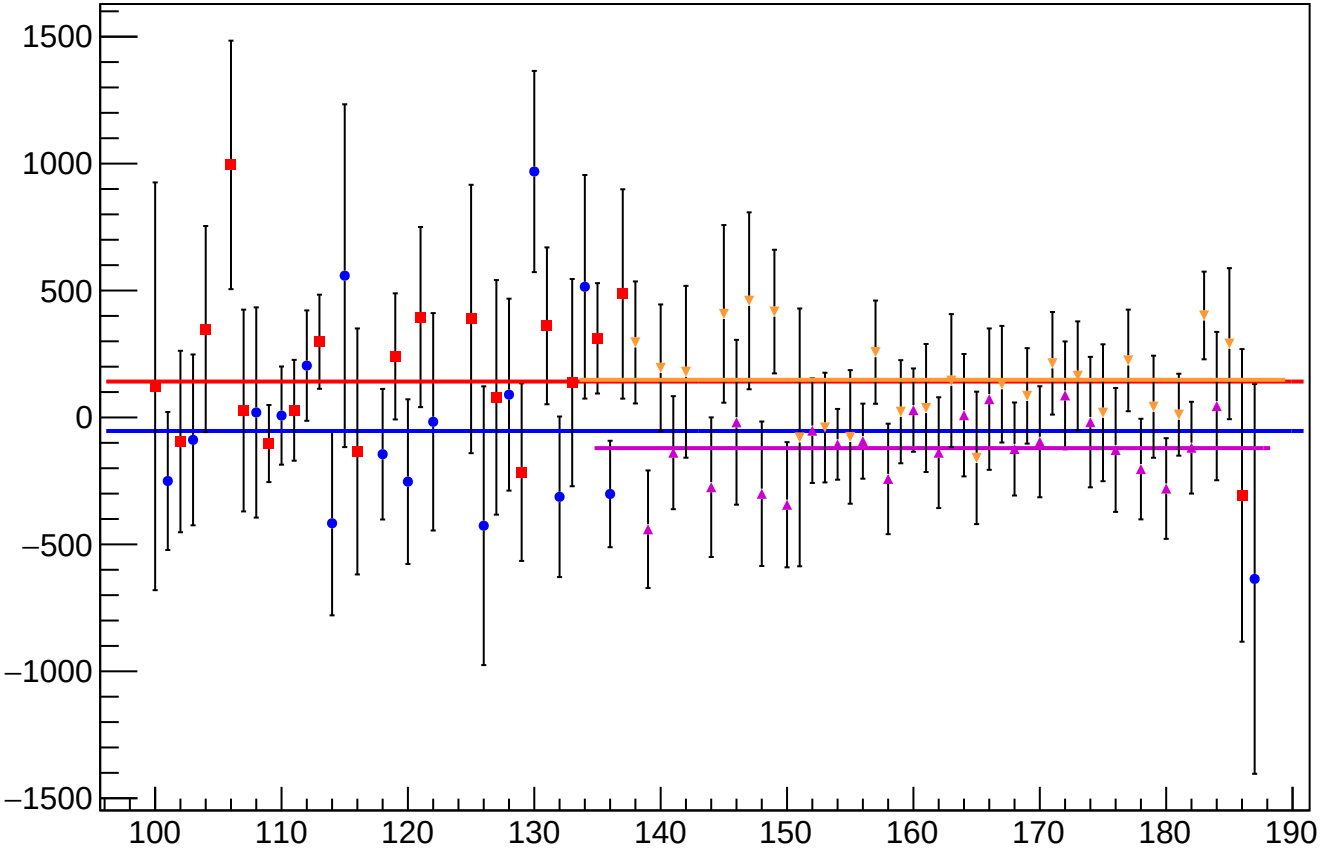
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.722+/-0.003 χ^2/NDF: 27017.1/40

All: 22.701+/-0.002 χ^2/NDF: 60238.0/82

- sign 22.681+/-0.003 χ^2/NDF: 33135.8/41

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -53.321+/-76.193 χ^2/NDF: 16.0/16

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 141.447+/-68.177 χ^2/NDF: 12.1/18

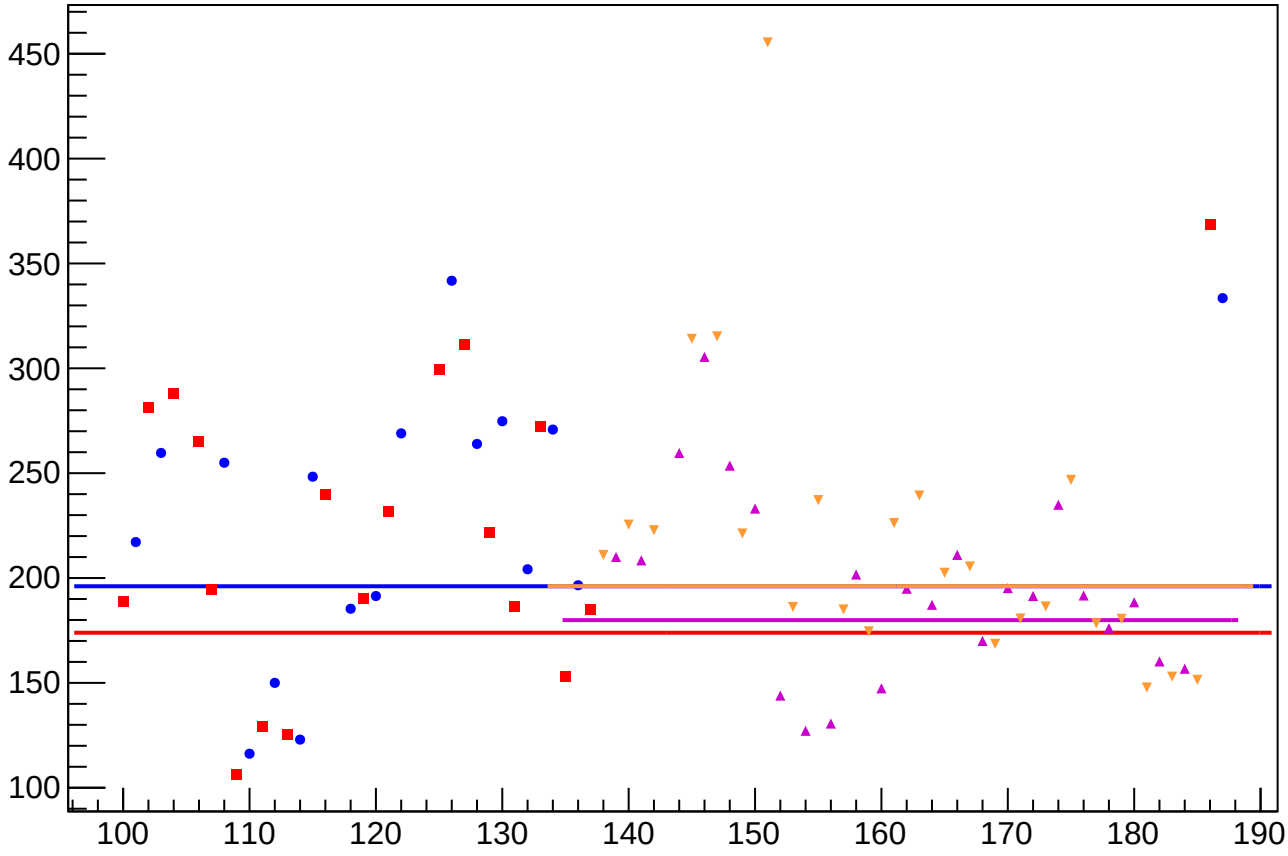
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign 92.452+/-40.133 χ^2/NDF: 32.0/40

All: 18.626+/-27.172 χ^2/NDF: 68.7/82

- sign -43.859+/-36.922 χ^2/NDF: 30.5/41

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 196.075+/-0.054 χ^2/NDF: 1116996.8/16

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 173.921+/-0.048 χ^2/NDF: 1843580.5/18

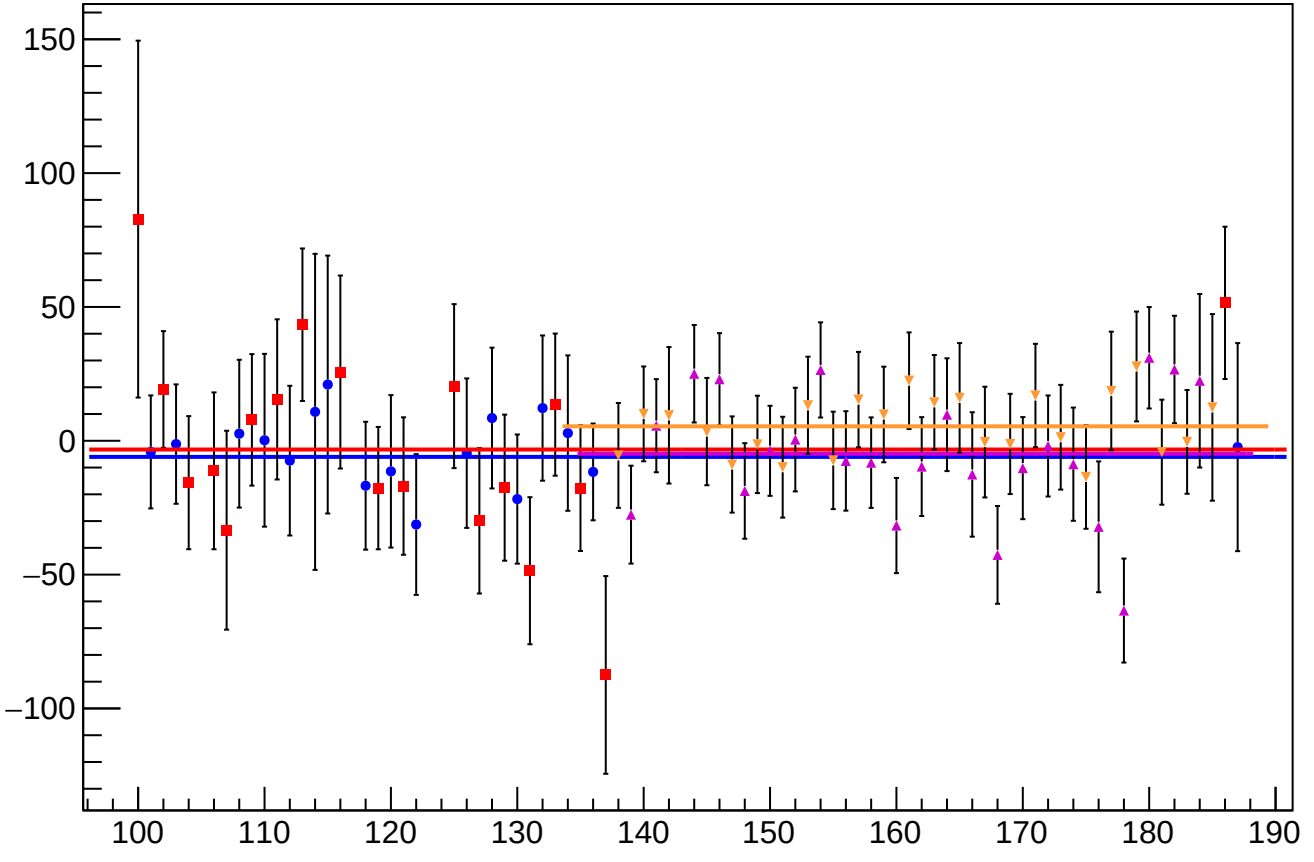
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 196.102+/-0.028 χ^2/NDF: 2843282.3/40

All: 186.386+/-0.019 χ^2/NDF: 6538389.1/82

- sign 178.163+/-0.026 χ^2/NDF: 3478682.5/41

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.014+/-6.500 χ^2/NDF: 3.1/16

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.264+/-6.411 χ^2/NDF: 22.5/18

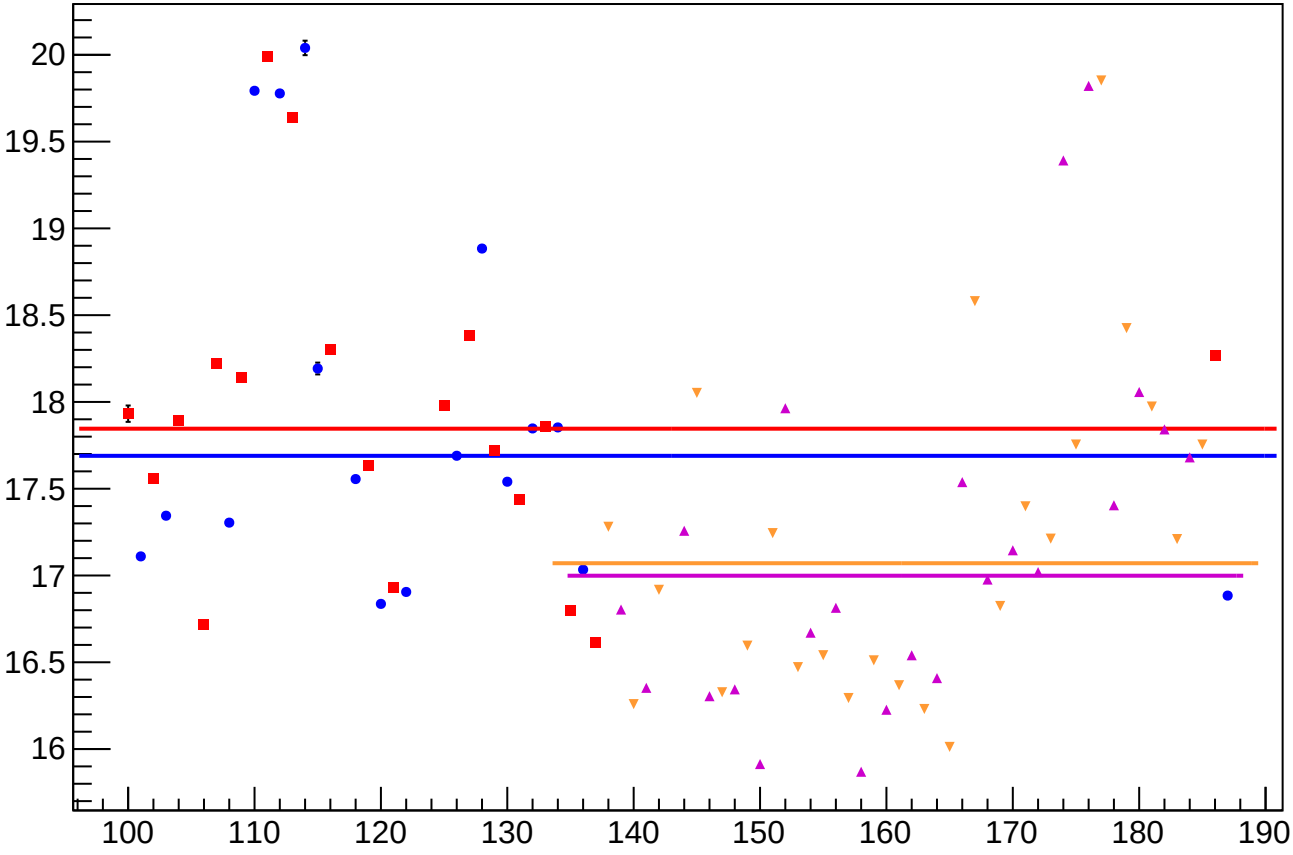
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 2.301+/-3.389 χ^2/NDF: 13.2/40

All: -1.065+/-2.394 χ^2/NDF: 73.2/82

- sign -4.415+/-3.382 χ^2/NDF: 58.1/41

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 17.689+/-0.005 χ^2/NDF: 36866.9/16

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.846+/-0.005 χ^2/NDF: 32970.3/18

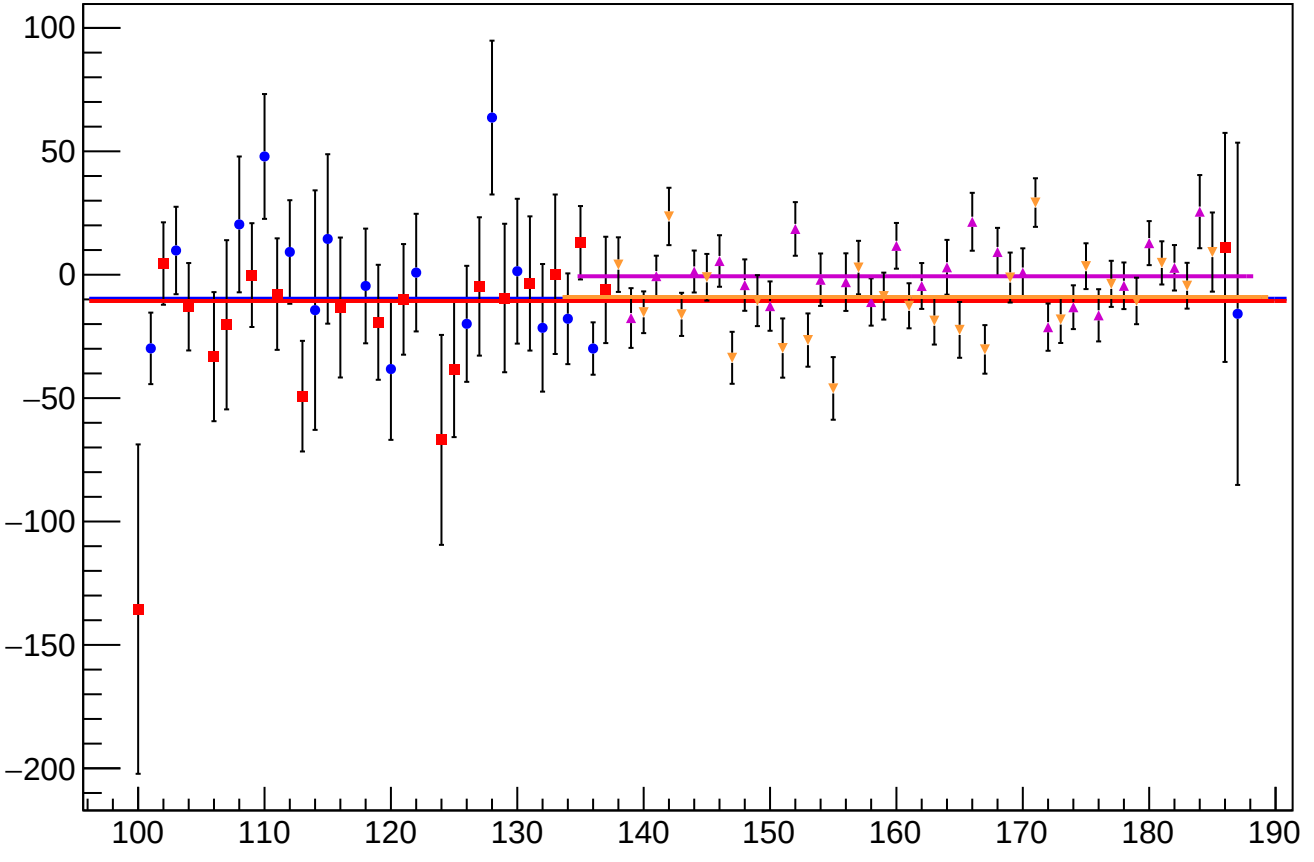
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 17.239+/-0.002 χ^2/NDF: 146378.0/40

All: 17.237+/-0.002 χ^2/NDF: 308575.3/82

\- sign 17.234+/-0.002 χ^2/NDF: 162195.5/41

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -9.736+/-5.217 χ^2/NDF: 22.0/16

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -10.641+/-5.399 χ^2/NDF: 14.3/19

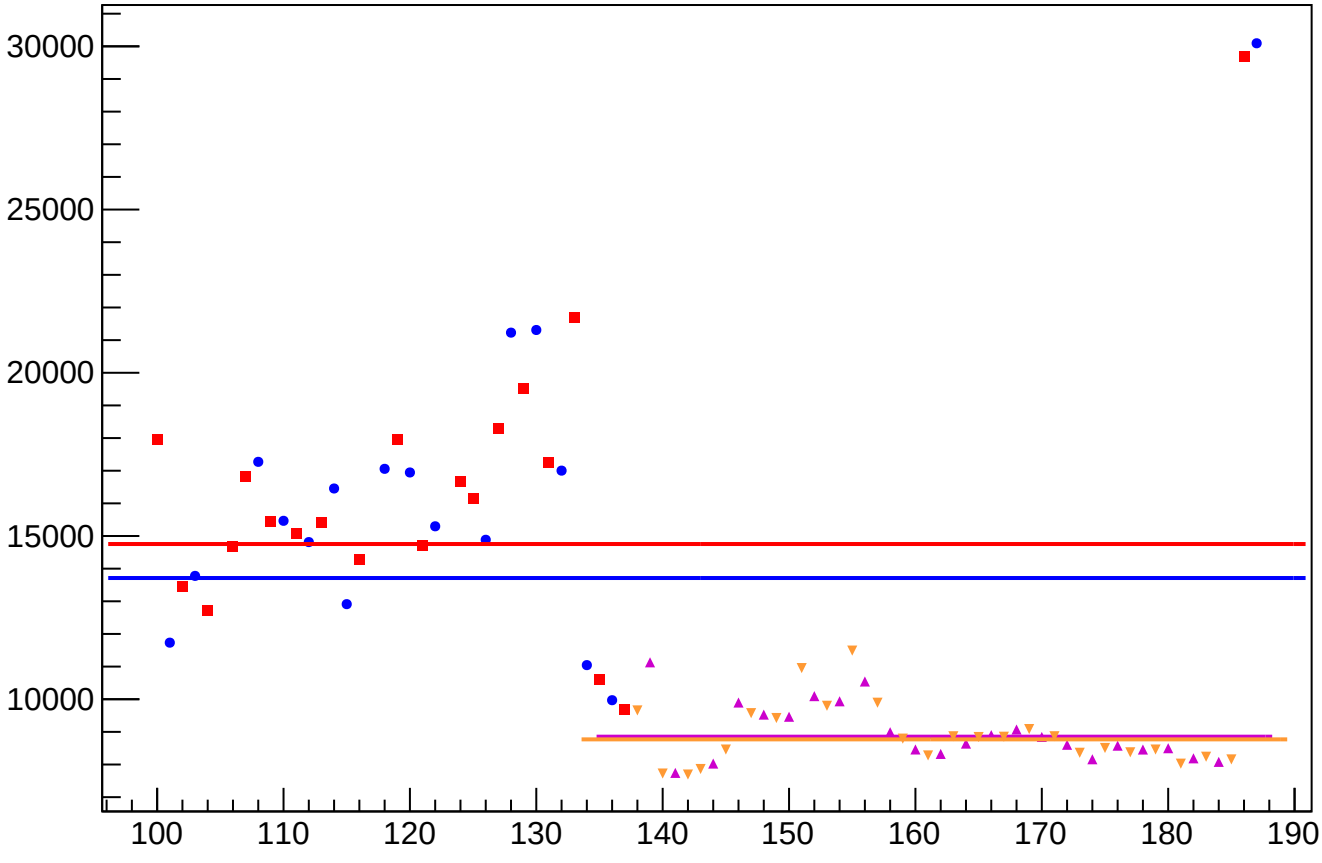
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.119+/-1.873 χ^2/NDF: 84.0/41

All: -5.648+/-1.347 χ^2/NDF: 137.9/84

- sign -1.921+/-1.940 χ^2/NDF: 46.8/42

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 13713.080+/-3.689 χ^2/NDF: 859231.2/16

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 14754.439+/-3.818 χ^2/NDF: 765511.6/19

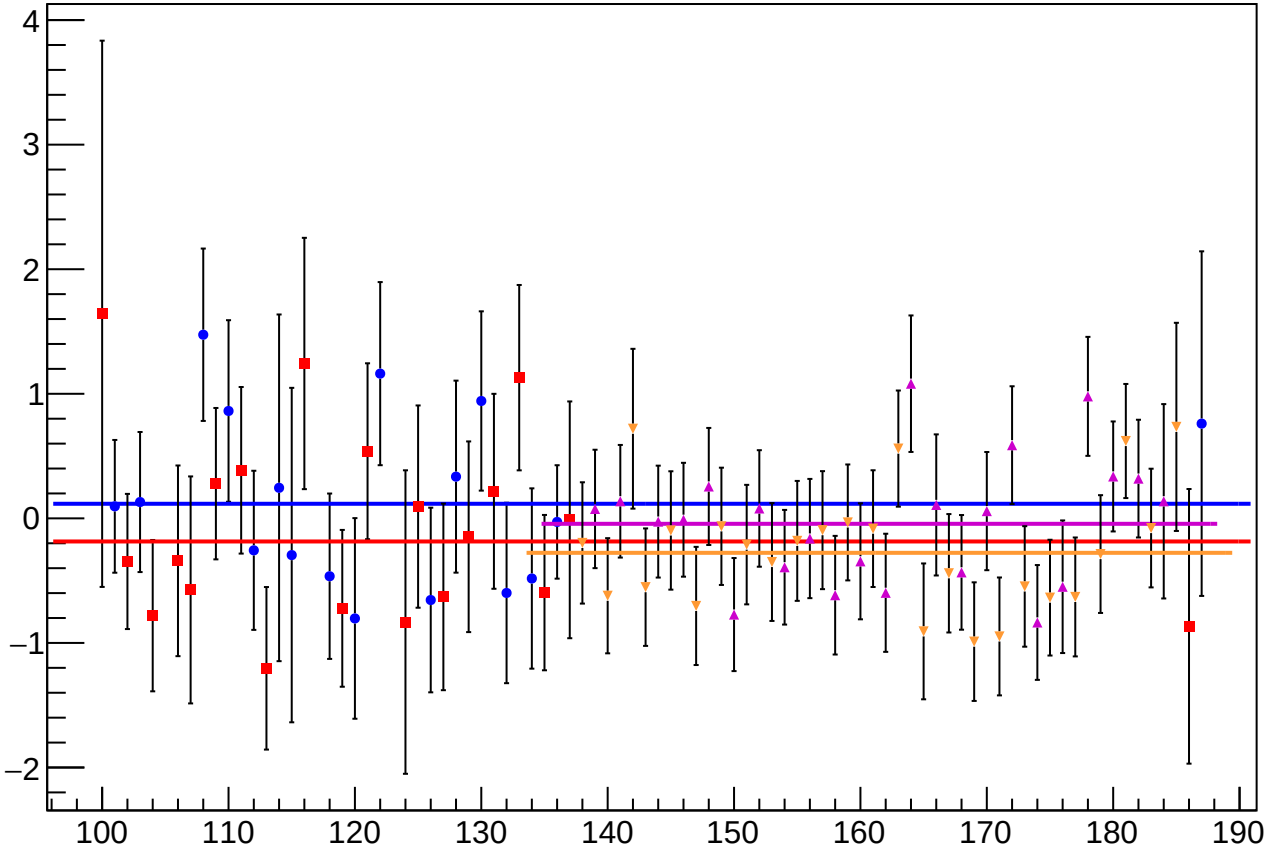
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

\+ sign 9407.318+/-1.324 χ^2/NDF: 2768560.8/41

All: 9507.482+/-0.953 χ^2/NDF: 5926670.8/84

\- sign 9615.015+/-1.372 χ^2/NDF: 3146245.8/42

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: 0.117+/-0.170 χ^2/NDF: 13.9/16

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.186+/-0.167 χ^2/NDF: 14.5/19

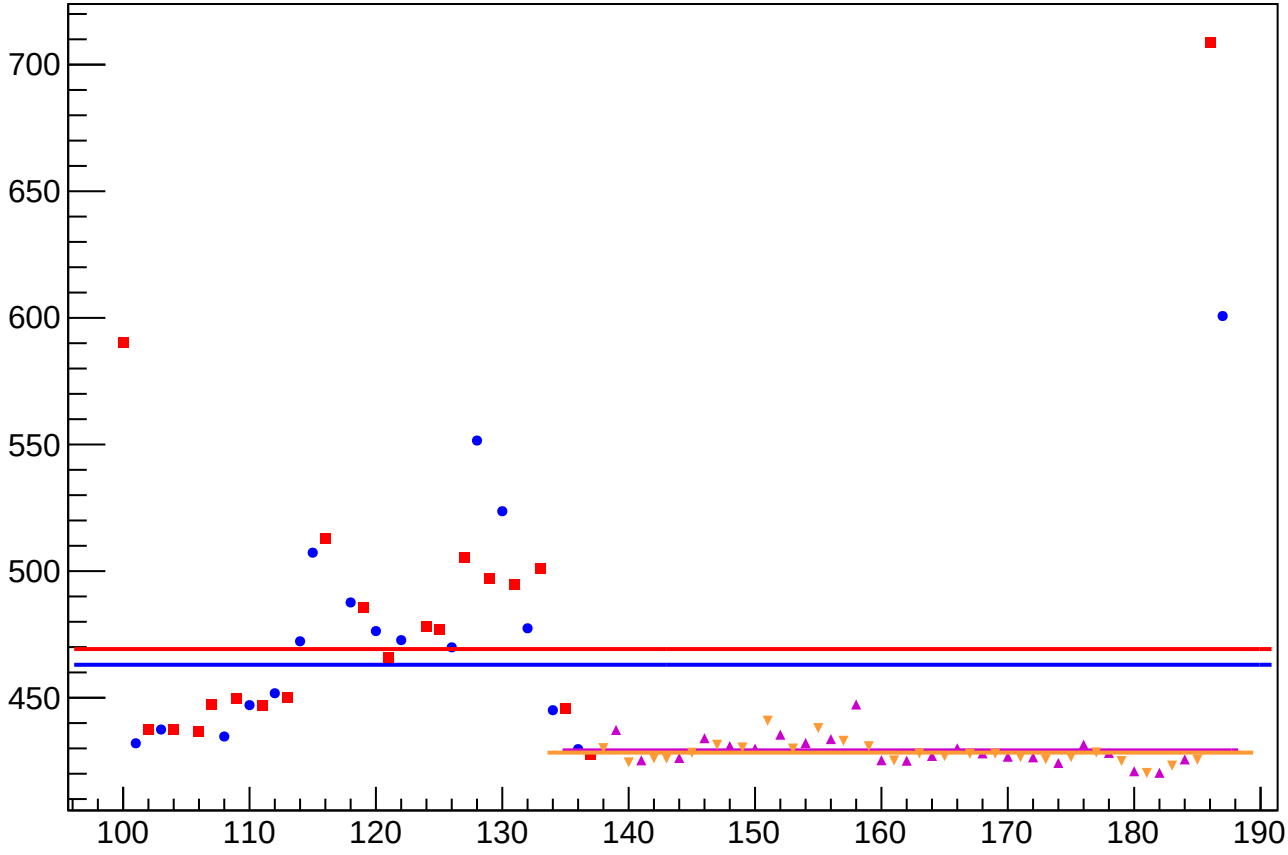
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.180+/-0.084 χ^2/NDF: 39.0/41

All: -0.131+/-0.060 χ^2/NDF: 78.5/84

- sign -0.081+/-0.086 χ^2/NDF: 38.8/42

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 463.028+/-0.120 χ^2/NDF: 95059.1/16

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

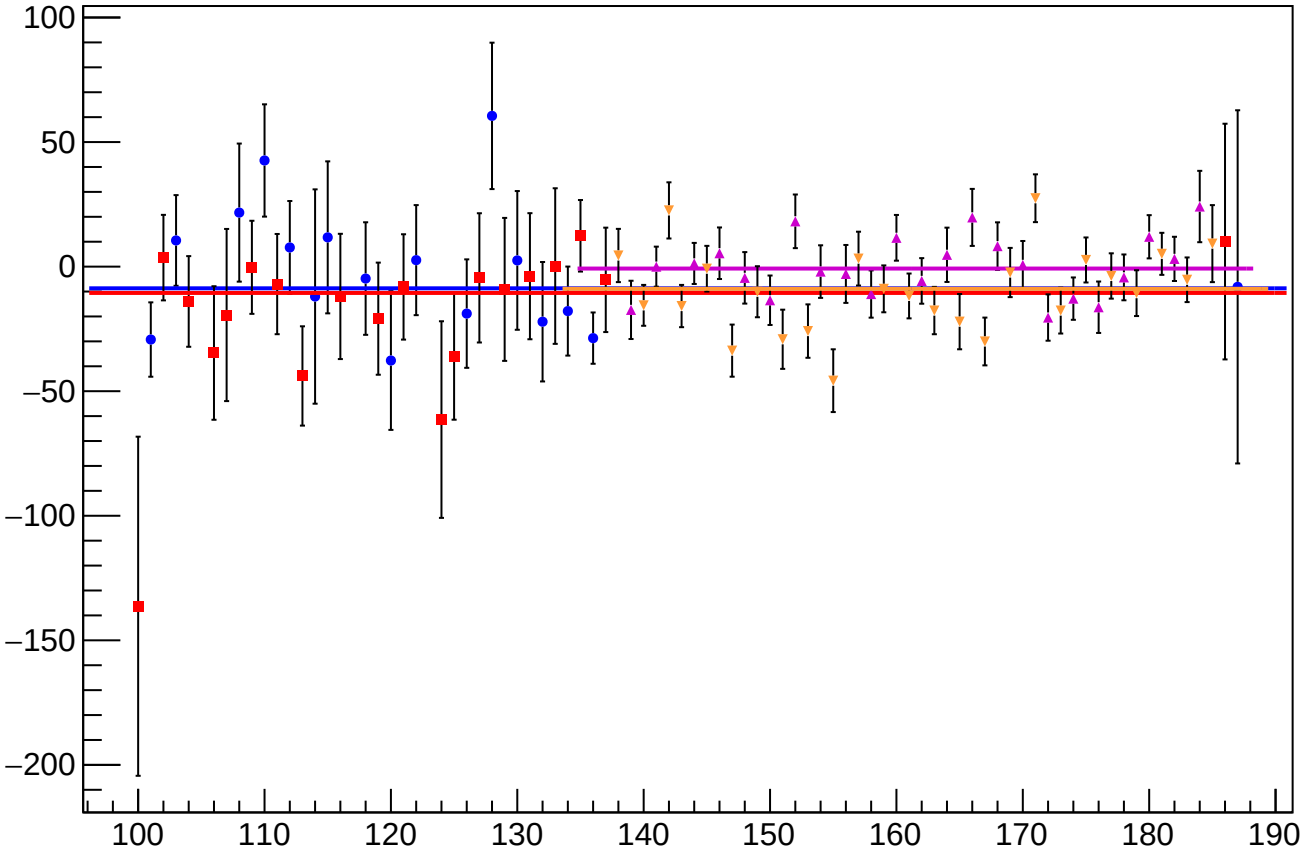
Right Out: 469.230+/-0.118 χ^2/NDF: 148765.5/19

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 436.872+/-0.060 χ^2/NDF: 161566.8/41

All: 438.299+/-0.043 χ^2/NDF: 402256.8/84

- sign 439.778+/-0.061 χ^2/NDF: 239528.4/42



Right In: -8.705+/-5.023 χ^2/NDF: 22.3/16

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -10.559+/-5.161 χ^2/NDF: 14.1/19

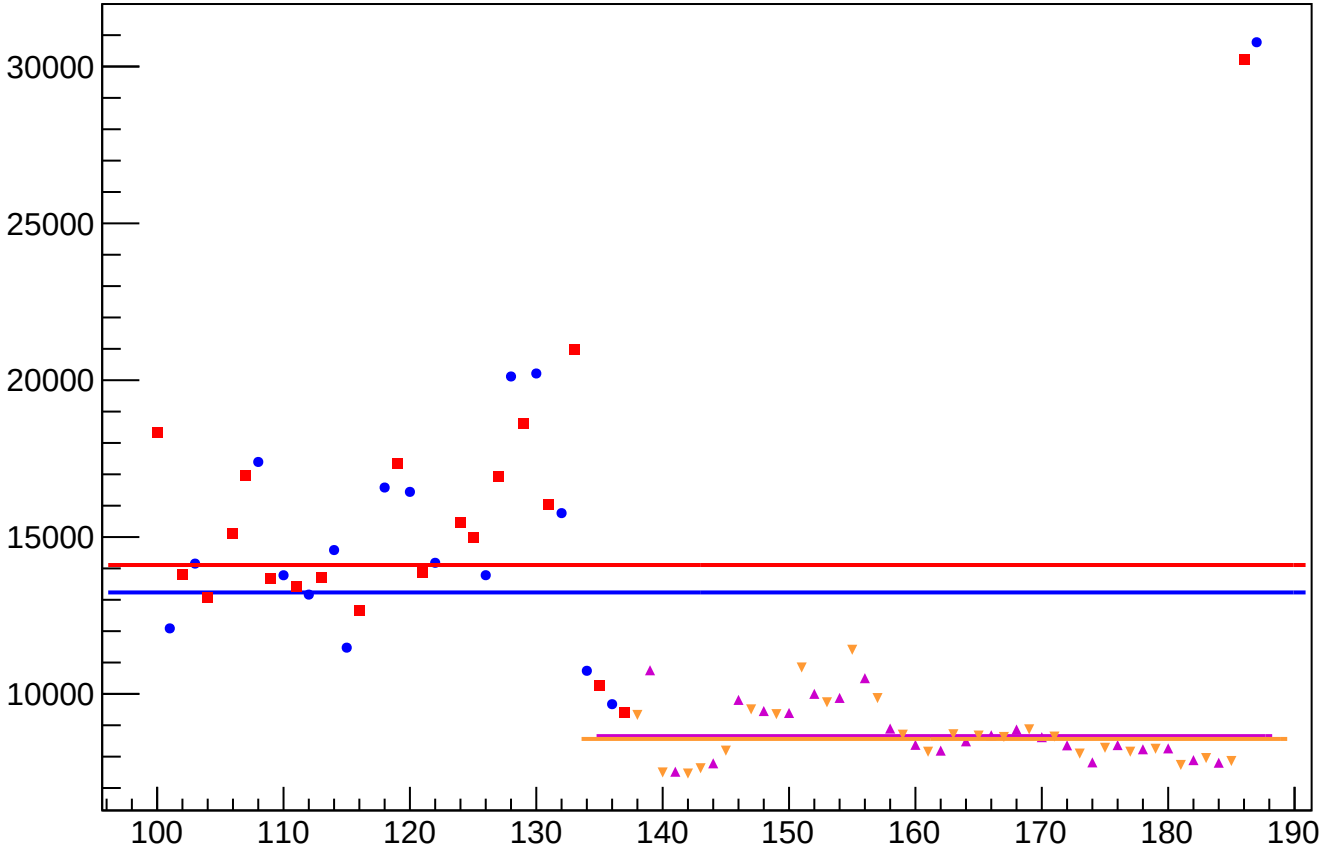
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -8.878+/-1.827 χ^2/NDF: 83.8/41

All: -5.603+/-1.314 χ^2/NDF: 137.0/84

- sign -2.088+/-1.892 χ^2/NDF: 46.5/42

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 13234.377+/-3.552 χ^2/NDF: 805694.2/16

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 14108.953+/-3.649 χ^2/NDF: 746097.6/19

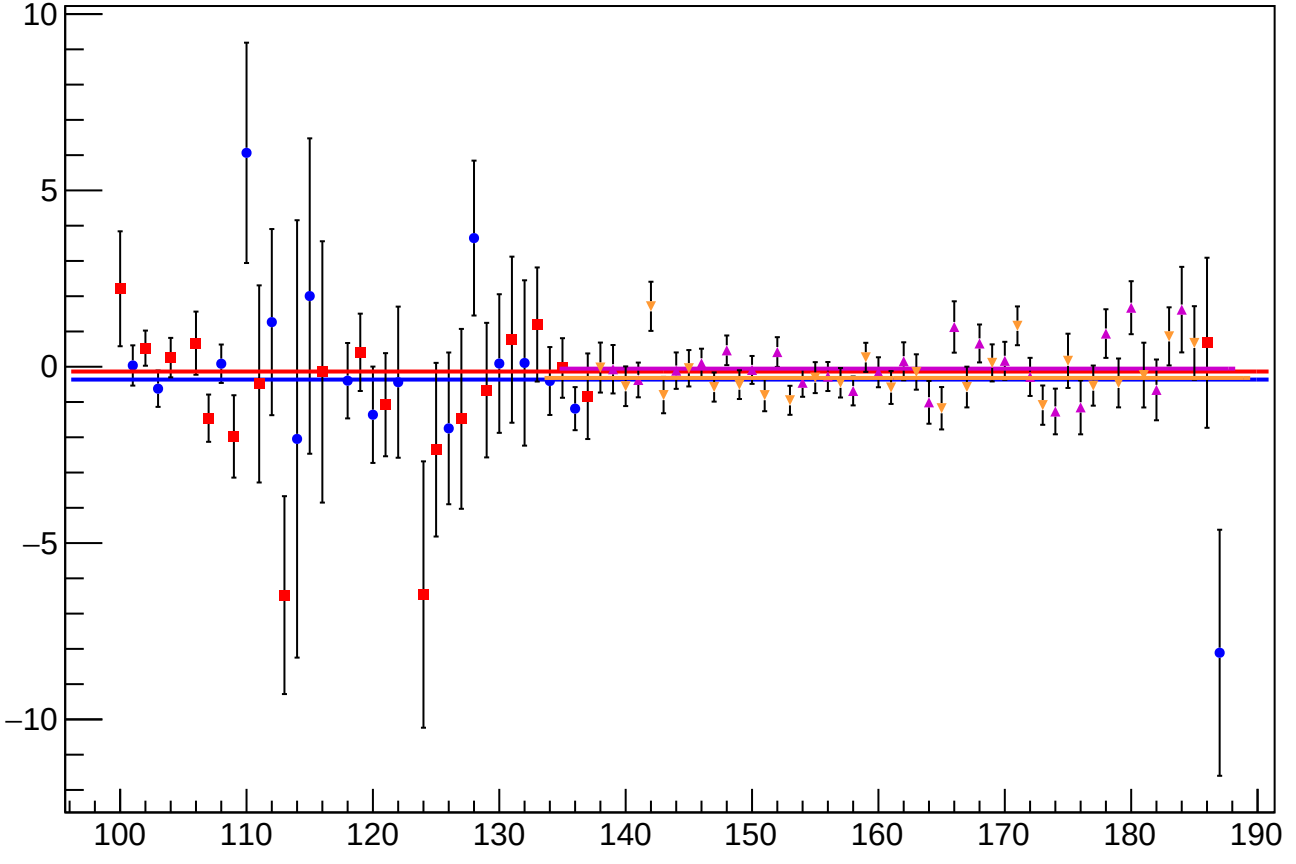
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9181.950+/-1.292 χ^2/NDF: 2706430.8/41

All: 9281.189+/-0.929 χ^2/NDF: 5744386.6/84

- sign 9387.688+/-1.338 χ^2/NDF: 3025717.2/42

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.364+/-0.244 χ^2/NDF: 17.5/16

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.136+/-0.243 χ^2/NDF: 22.6/19

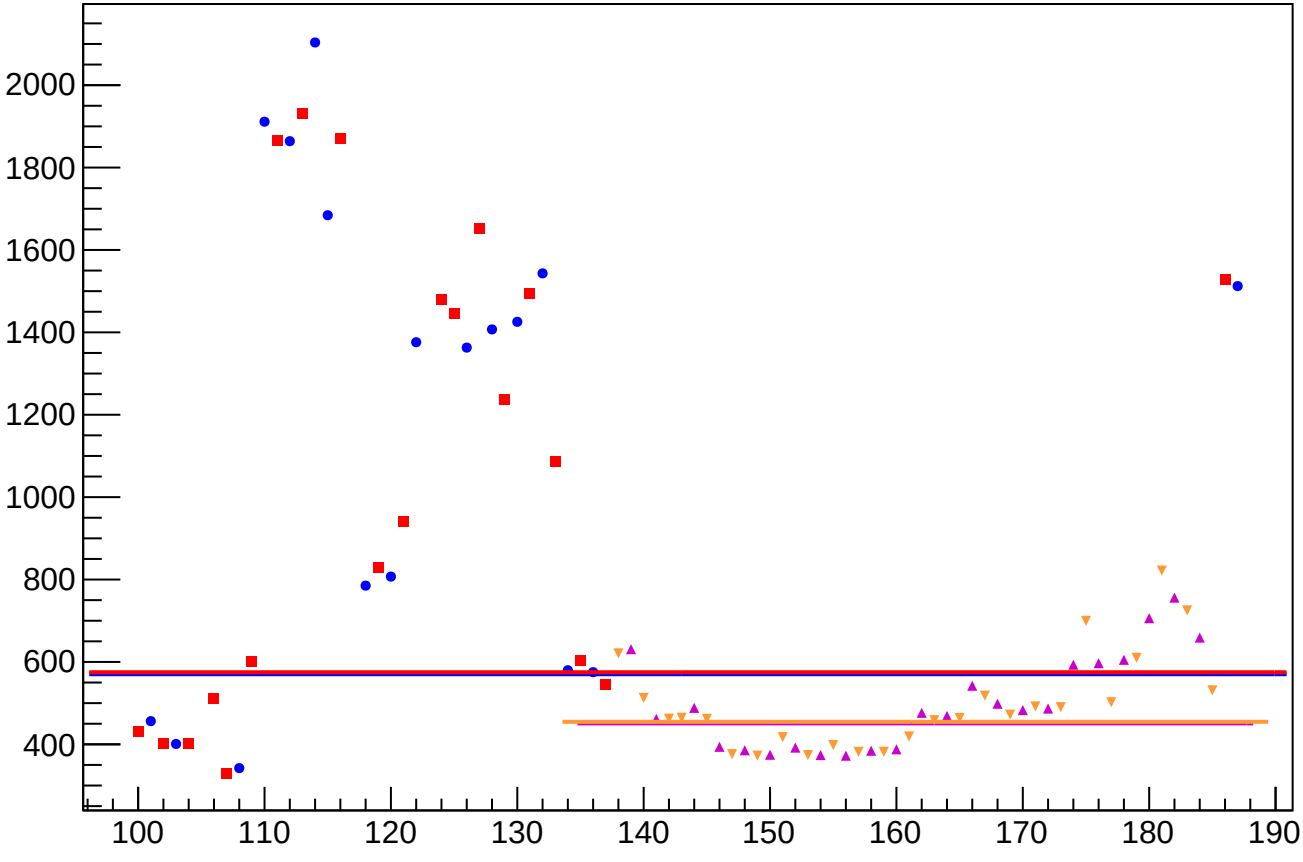
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.325+/-0.097 χ^2/NDF: 49.8/41

All: -0.198+/-0.069 χ^2/NDF: 105.8/84

- sign -0.068+/-0.099 χ^2/NDF: 52.5/42

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 570.144+/-0.172 χ^2/NDF: 3597124.9/16

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

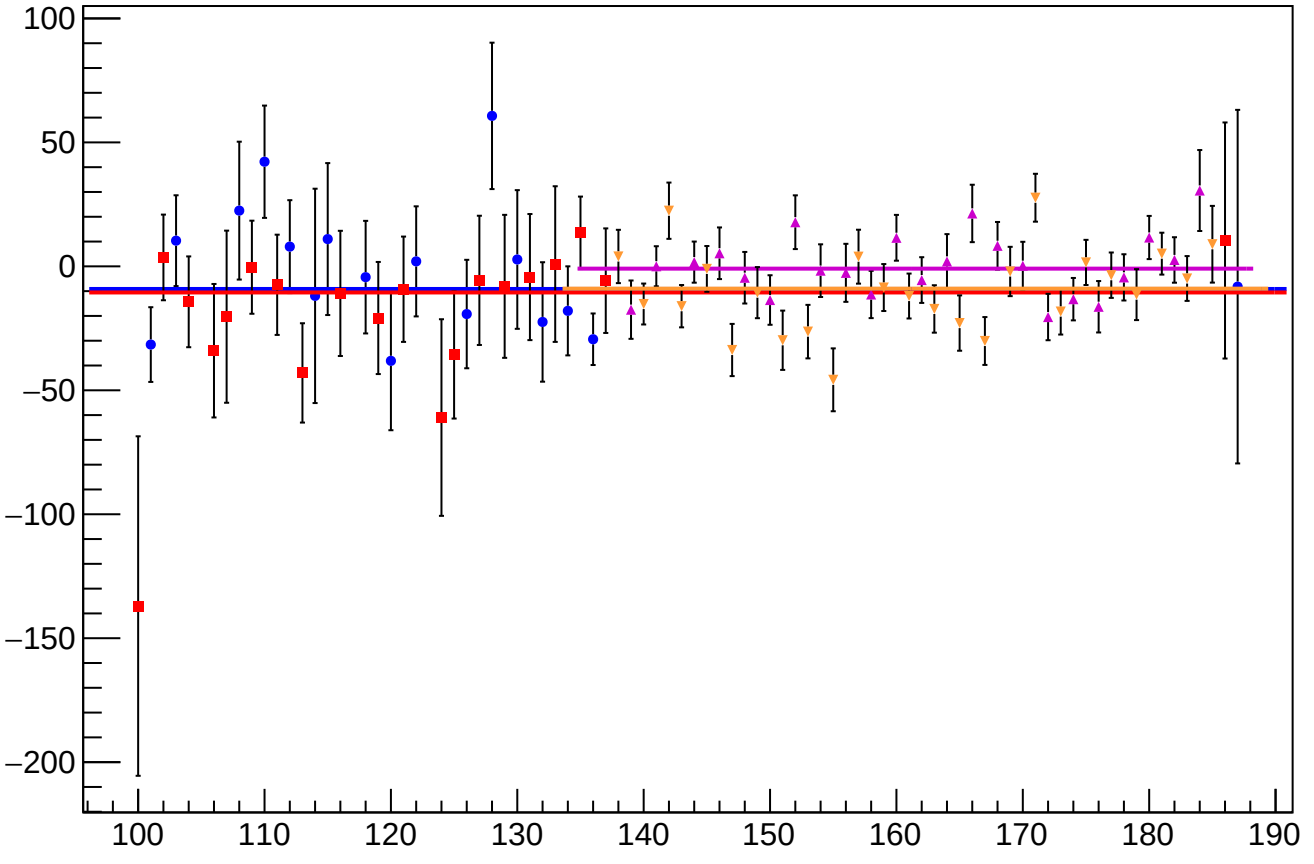
Right Out: 575.020+/-0.172 χ^2/NDF: 3887843.4/19

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 473.078+/-0.069 χ^2/NDF: 5426389.1/41

All: 472.198+/-0.049 χ^2/NDF: 11222173.3/84

- sign 471.289+/-0.070 χ^2/NDF: 5795450.6/42



Right In: -9.126+/-5.056 χ^2/NDF: 22.7/16

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -10.535+/-5.196 χ^2/NDF: 13.9/19

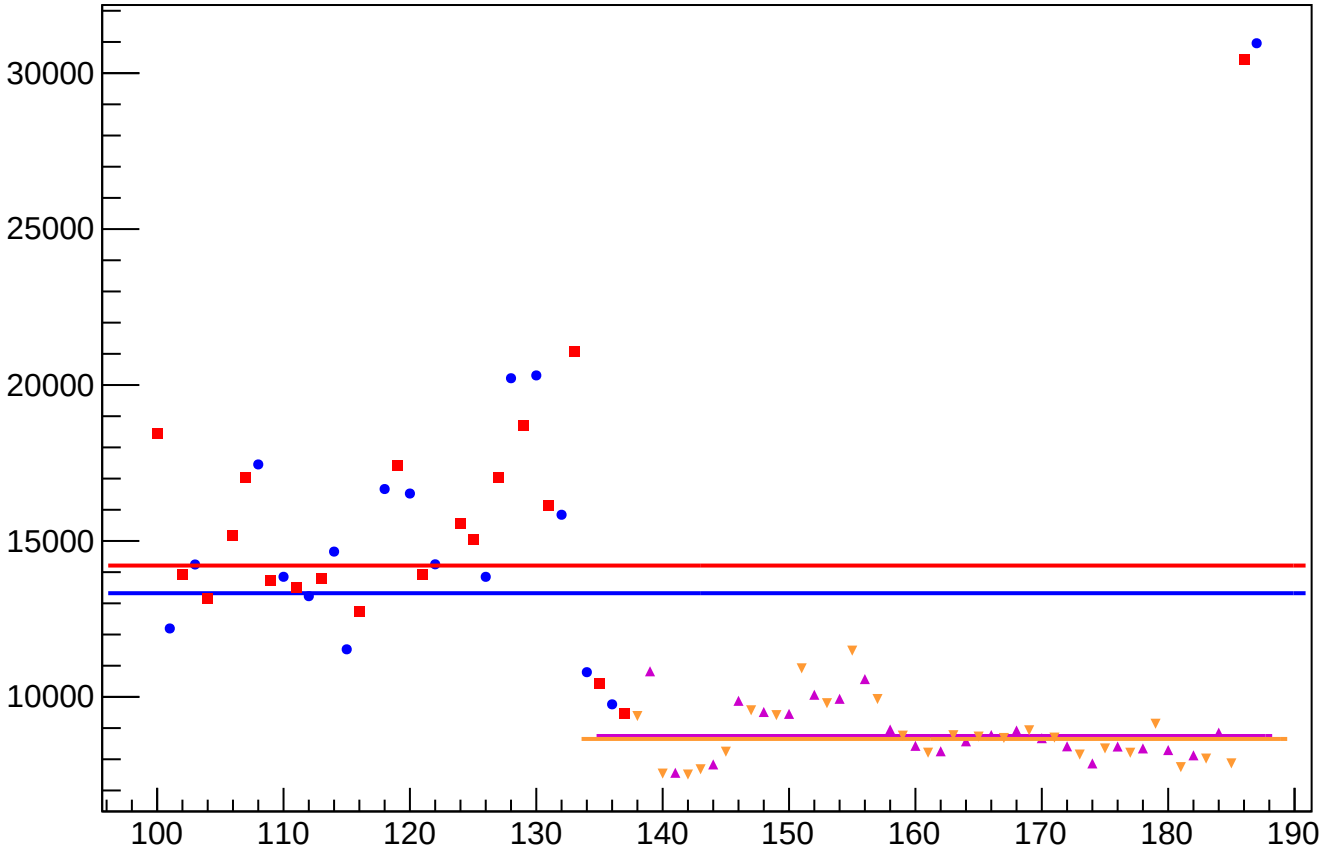
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

\+ sign -9.017+/-1.845 χ^2/NDF: 84.0/41

All: -5.741+/-1.328 χ^2/NDF: 137.3/84

\- sign -2.226+/-1.911 χ^2/NDF: 46.7/42

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 13324.942+/-3.575 χ^2/NDF: 796808.4/16

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 14211.505+/-3.674 χ^2/NDF: 733385.6/19

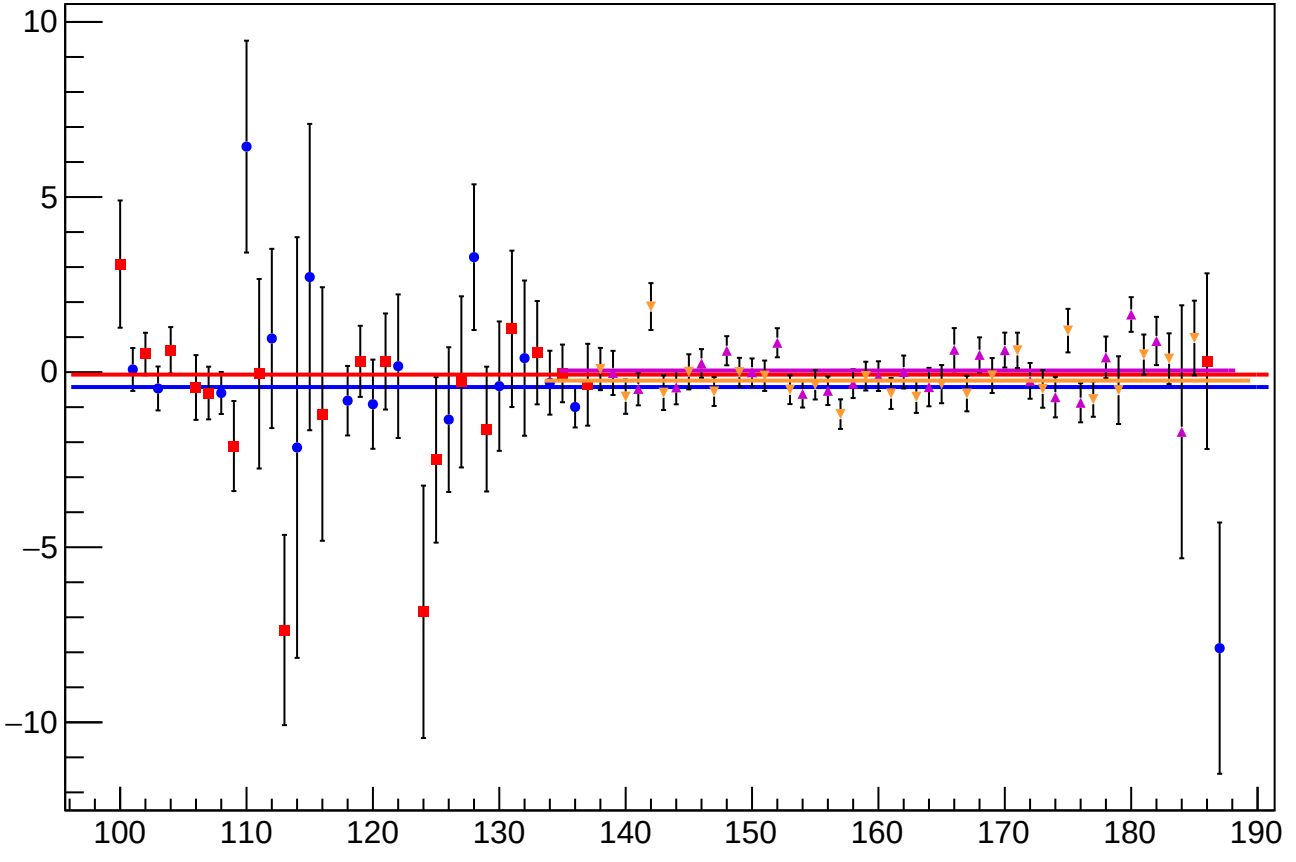
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 9274.106+/-1.305 χ^2/NDF: 2682964.5/41

All: 9376.165+/-0.939 χ^2/NDF: 5673389.3/84

- sign 9485.696+/-1.352 χ^2/NDF: 2977738.9/42

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.426+/-0.255 χ^2/NDF: 16.0/16

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.070+/-0.263 χ^2/NDF: 21.7/19

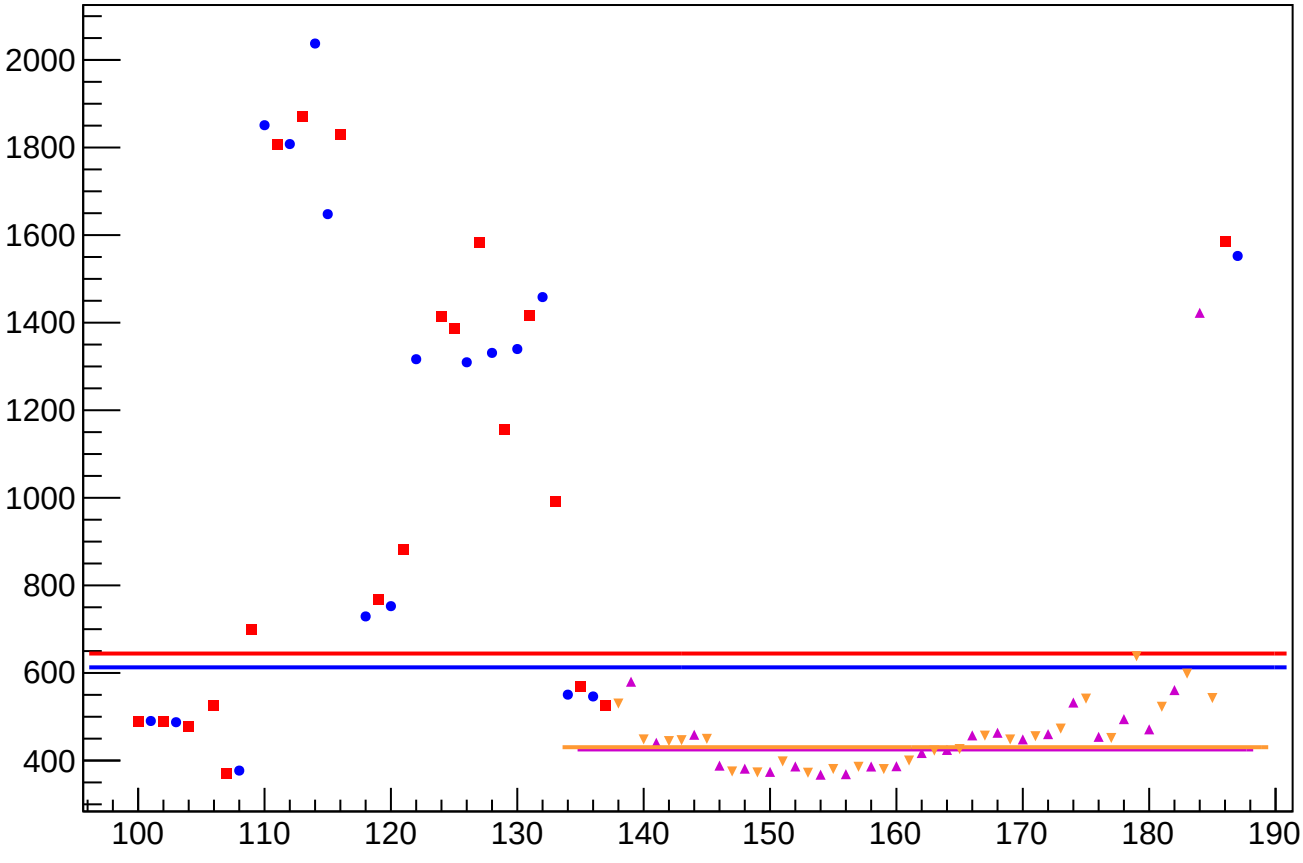
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.267+/-0.093 χ^2/NDF: 50.7/41

All: -0.120+/-0.066 χ^2/NDF: 112.7/84

- sign 0.031+/-0.095 χ^2/NDF: 56.9/42

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 612.834+/-0.180 χ^2/NDF: 2990557.5/16

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

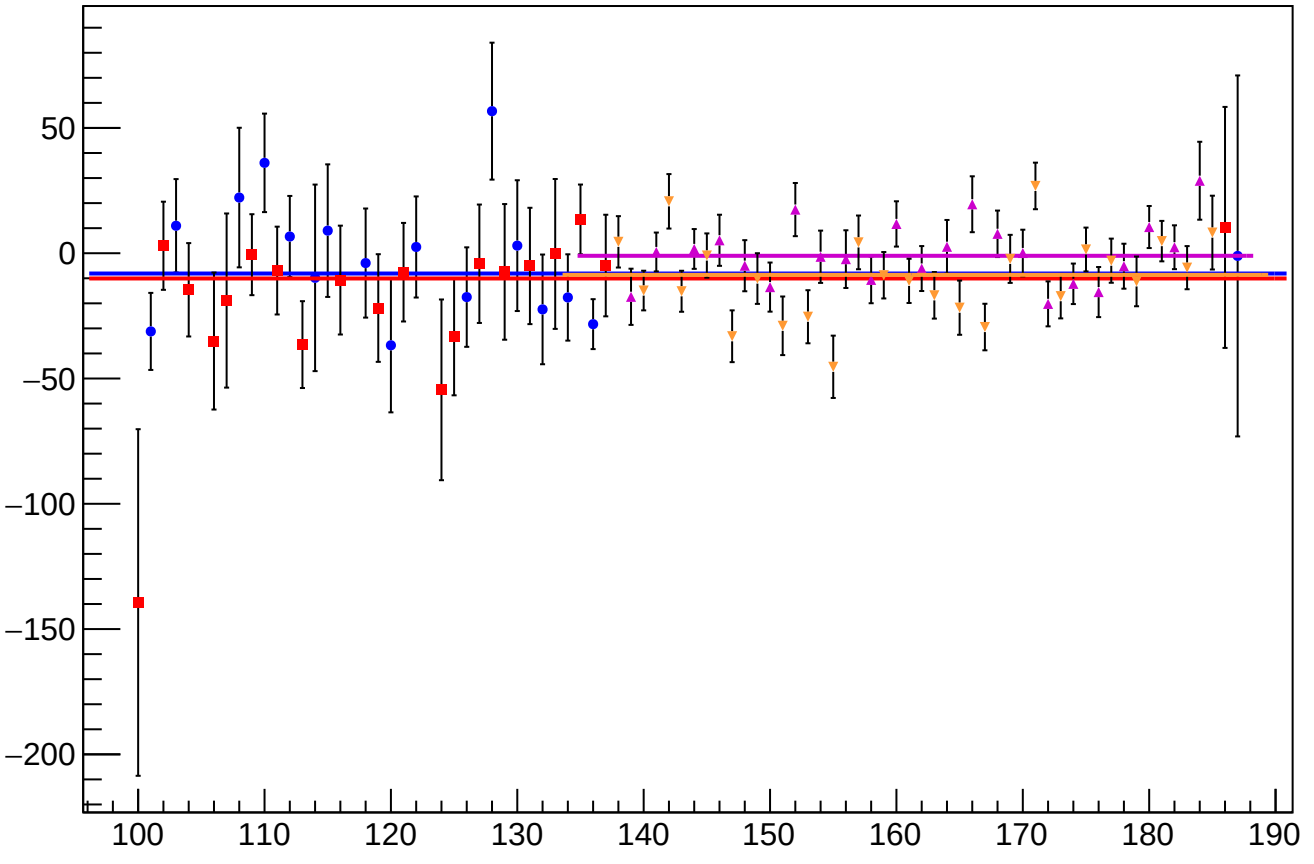
Right Out: 644.360+/-0.186 χ^2/NDF: 3073568.8/19

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 454.828+/-0.066 χ^2/NDF: 4524716.2/41

All: 454.292+/-0.047 χ^2/NDF: 9522159.6/84

- sign 453.738+/-0.067 χ^2/NDF: 4997308.9/42



Right In: -8.101+/-4.769 χ^2/NDF: 23.1/16

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -10.078+/-4.849 χ^2/NDF: 13.9/19

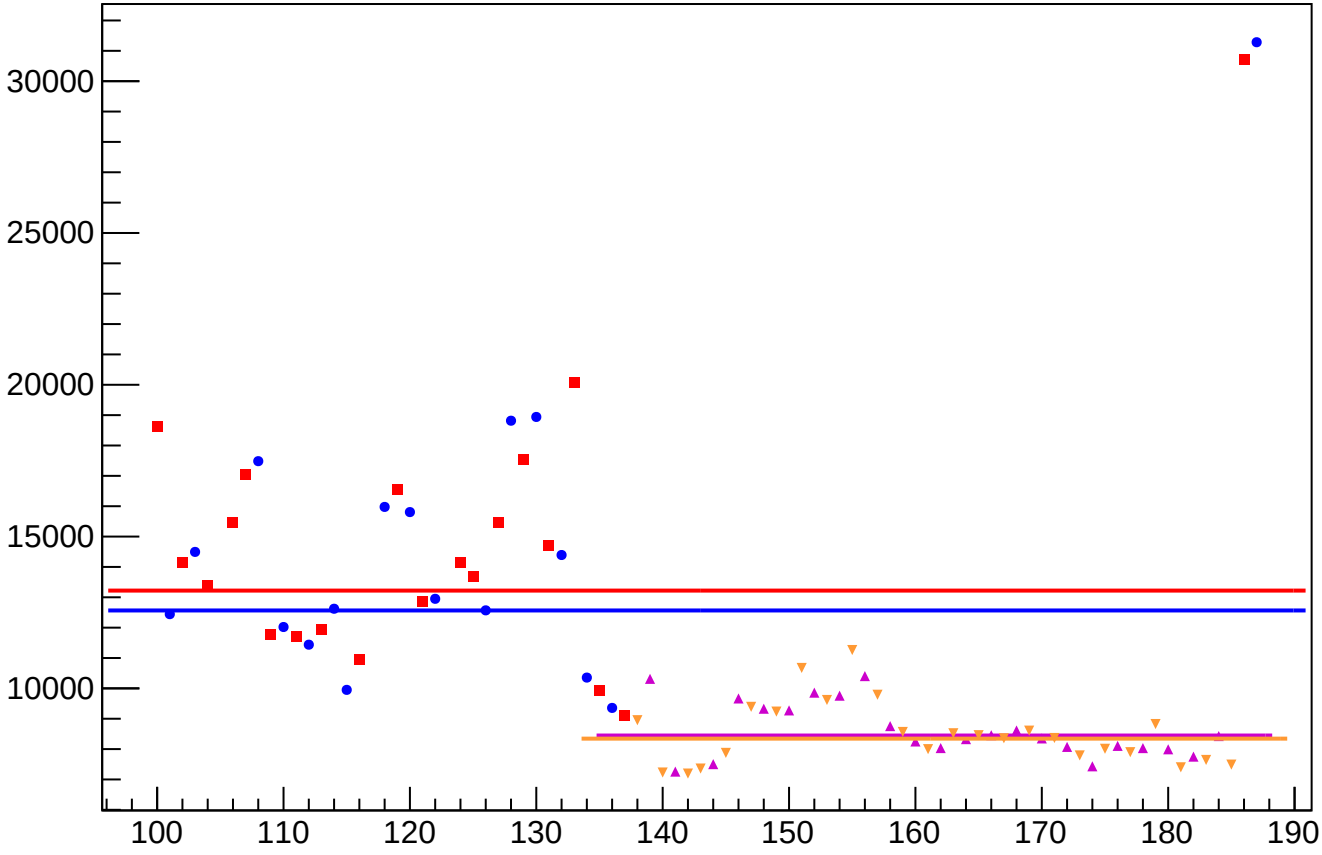
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.550+/-1.775 χ^2/NDF: 84.8/41

All: -5.547+/-1.277 χ^2/NDF: 137.3/84

- sign -2.328+/-1.838 χ^2/NDF: 46.6/42

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 12566.338+/-3.372 χ^2/NDF: 807181.6/16

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 13220.843+/-3.428 χ^2/NDF: 811723.9/19

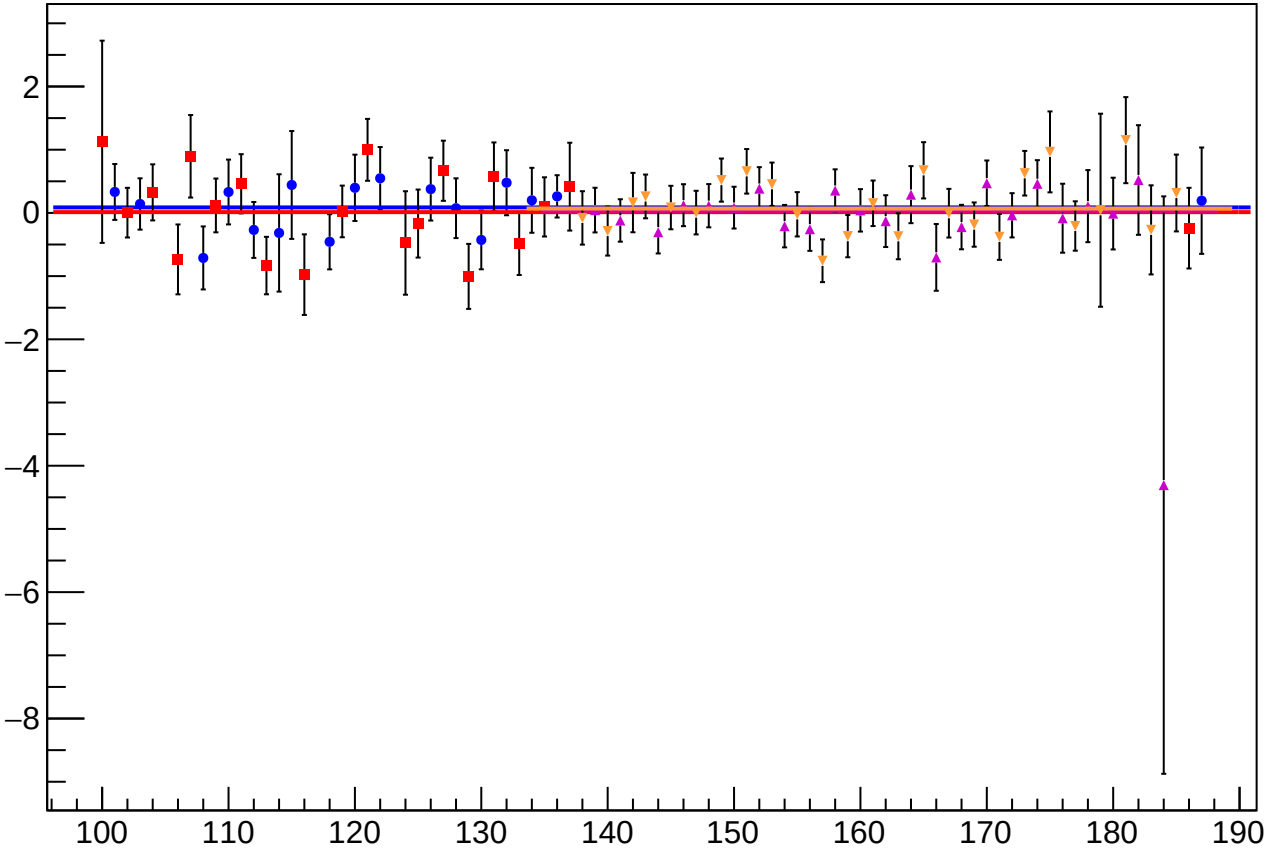
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 8929.605+/-1.255 χ^2/NDF: 2626879.2/41

All: 9027.757+/-0.903 χ^2/NDF: 5493510.4/84

- sign 9132.976+/-1.300 χ^2/NDF: 2853967.0/42

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.087+/-0.119 χ^2/NDF: 9.4/16

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.012+/-0.116 χ^2/NDF: 24.5/19

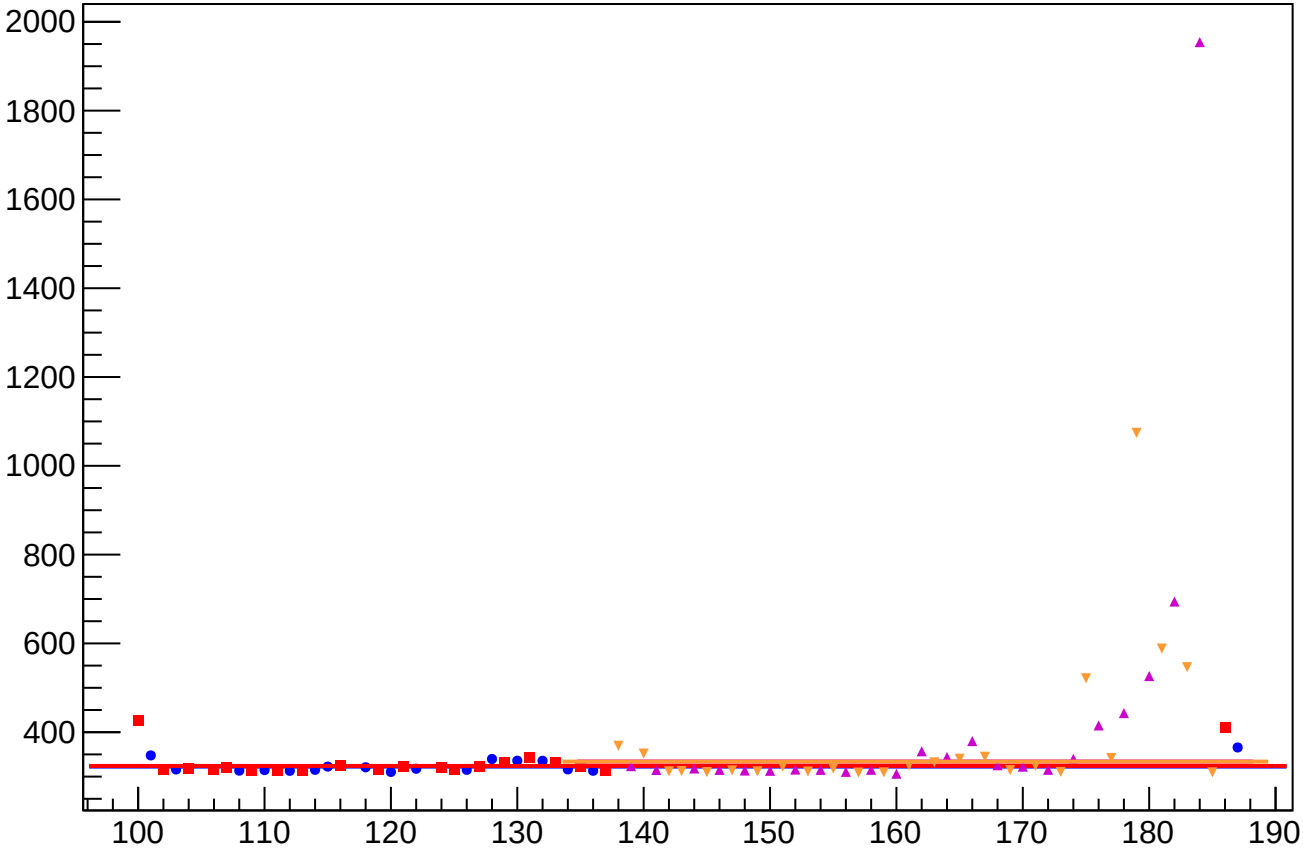
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.075+/-0.066 χ^2/NDF: 37.6/41

All: 0.052+/-0.047 χ^2/NDF: 74.0/84

- sign 0.029+/-0.066 χ^2/NDF: 36.2/42

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 322.605+/-0.084 χ^2/NDF: 23551.2/16

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 324.009+/-0.082 χ^2/NDF: 54152.2/19

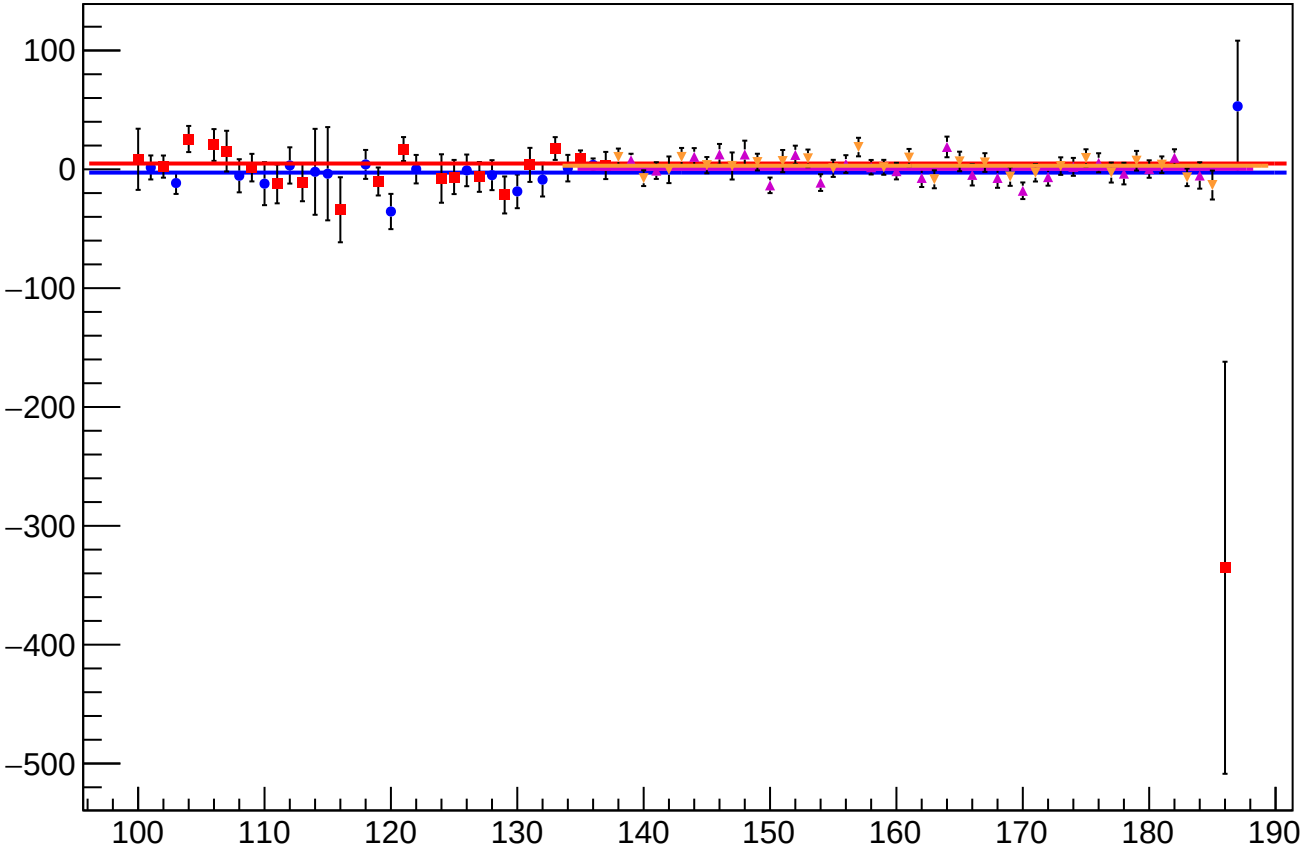
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 330.359+/-0.047 χ^2/NDF: 1253059.9/41

All: 330.528+/-0.033 χ^2/NDF: 2368214.2/84

- sign 330.699+/-0.047 χ^2/NDF: 1115127.8/42

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: -2.767+/-2.906 χ^2/NDF: 10.9/16

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

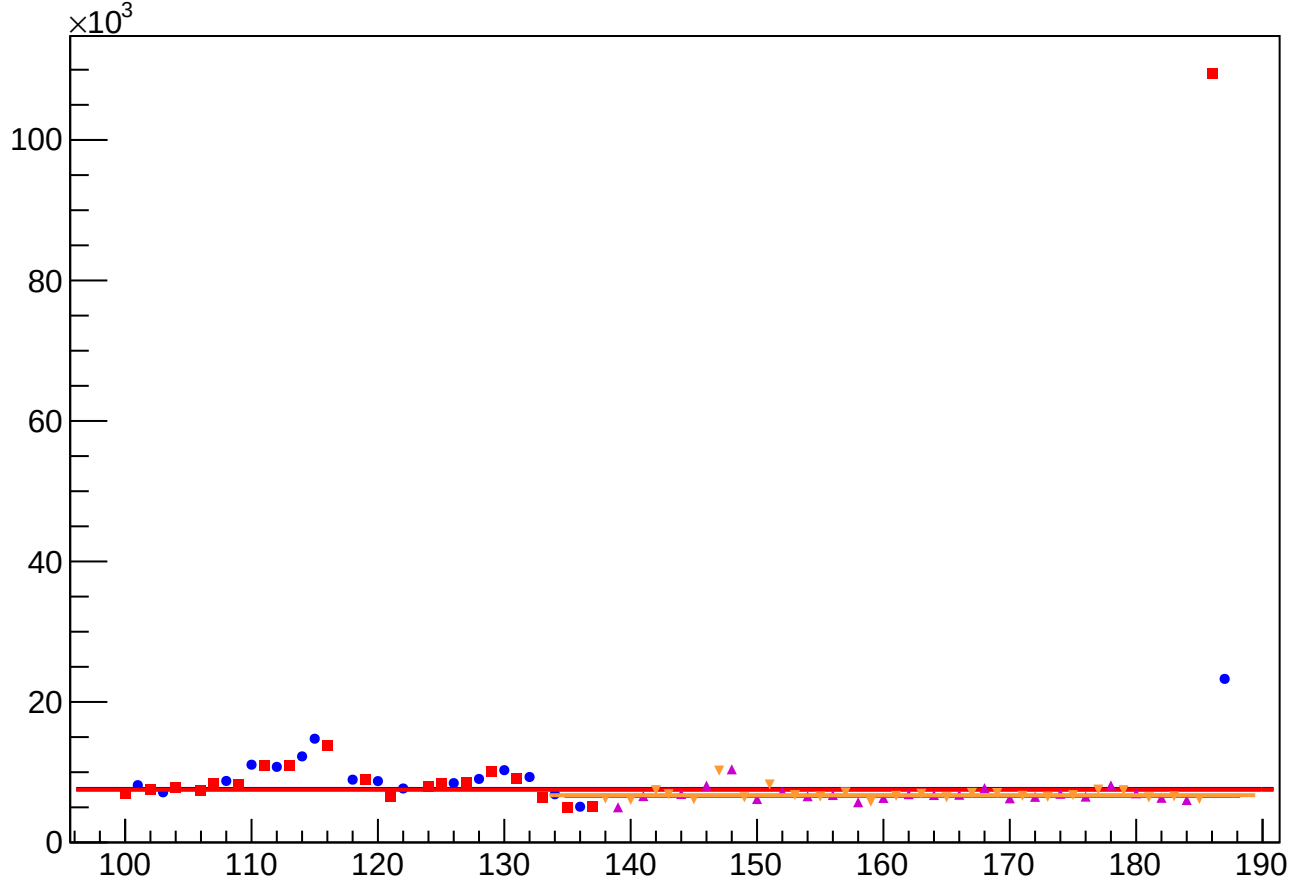
Right Out: 4.875+/-2.824 χ^2/NDF: 23.3/19

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 1.752+/-1.362 χ^2/NDF: 34.3/41

All: 1.586+/-0.966 χ^2/NDF: 93.3/84

- sign 1.418+/-1.371 χ^2/NDF: 59.0/42



Right In: 7616.716+/-2.055 χ^2/NDF: 1059158.2/16

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 7494.528+/-1.997 χ^2/NDF: 1520163.4/19

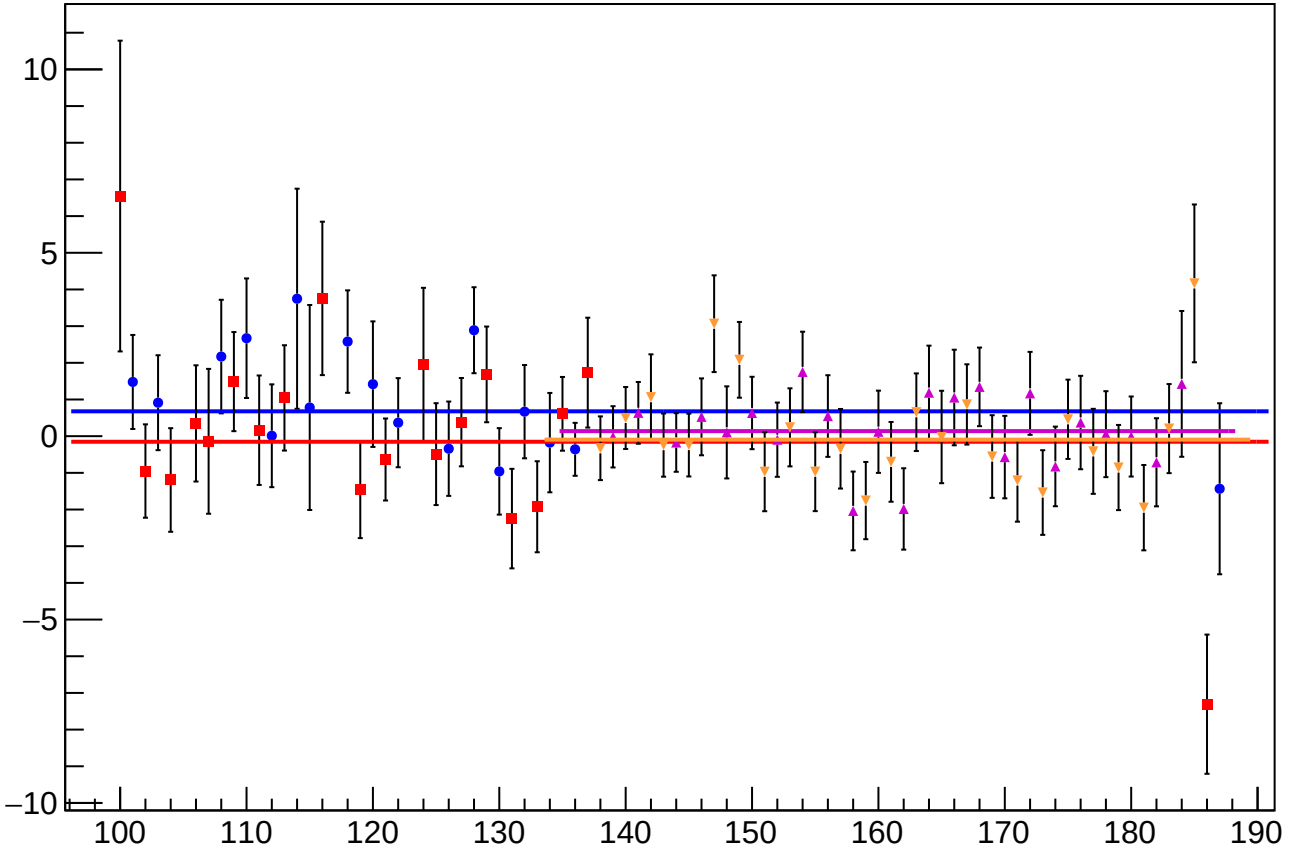
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6919.238+/-0.963 χ^2/NDF: 1610078.8/41

All: 6877.854+/-0.683 χ^2/NDF: 3905836.4/84

- sign 6835.913+/-0.969 χ^2/NDF: 2292039.2/42

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.678+/-0.323 χ^2/NDF: 15.6/16

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.152+/-0.319 χ^2/NDF: 34.4/19

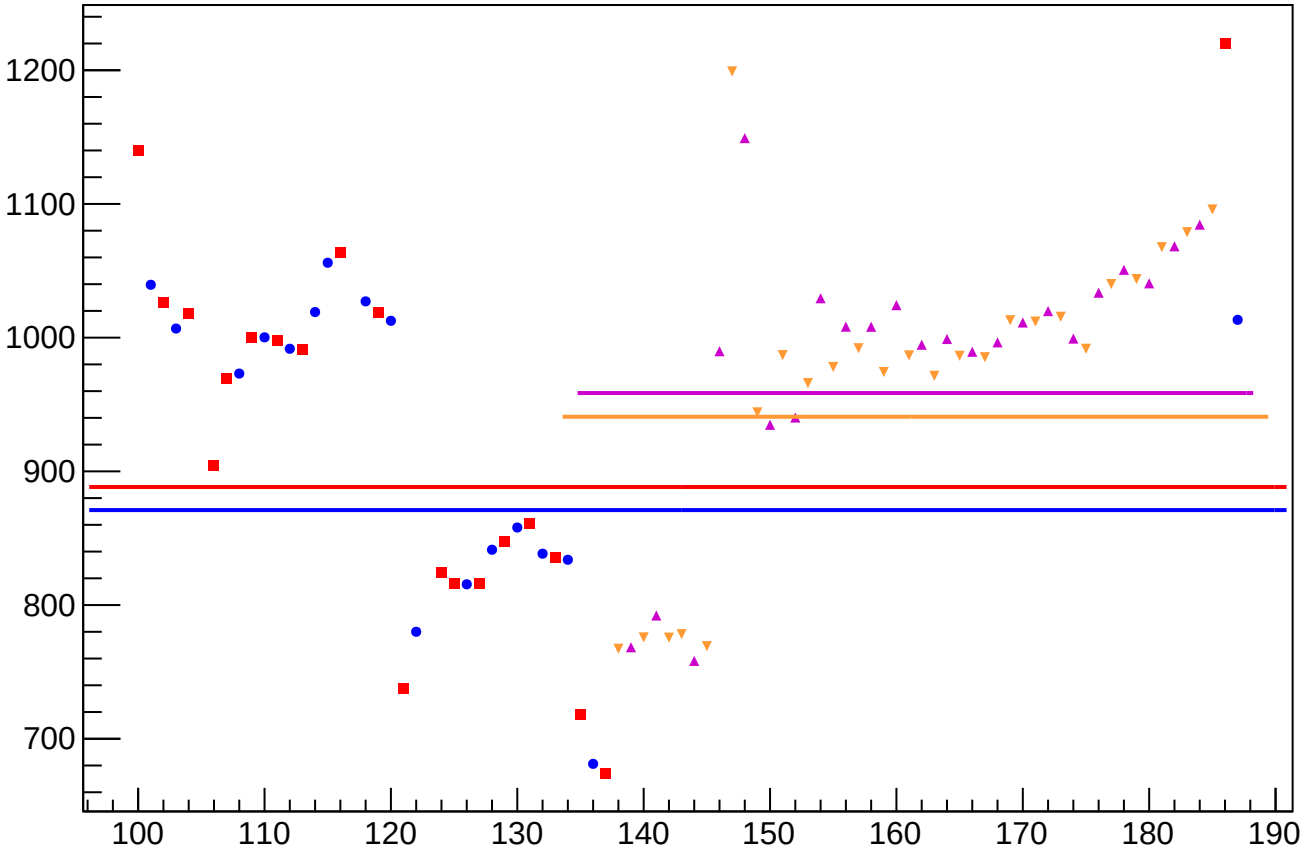
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.143+/-0.179 χ^2/NDF: 46.9/41

All: 0.094+/-0.128 χ^2/NDF: 98.5/84

- sign 0.041+/-0.184 χ^2/NDF: 51.5/42

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 871.033+/-0.228 χ^2/NDF: 310003.2/16

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 888.289+/-0.225 χ^2/NDF: 335420.3/19

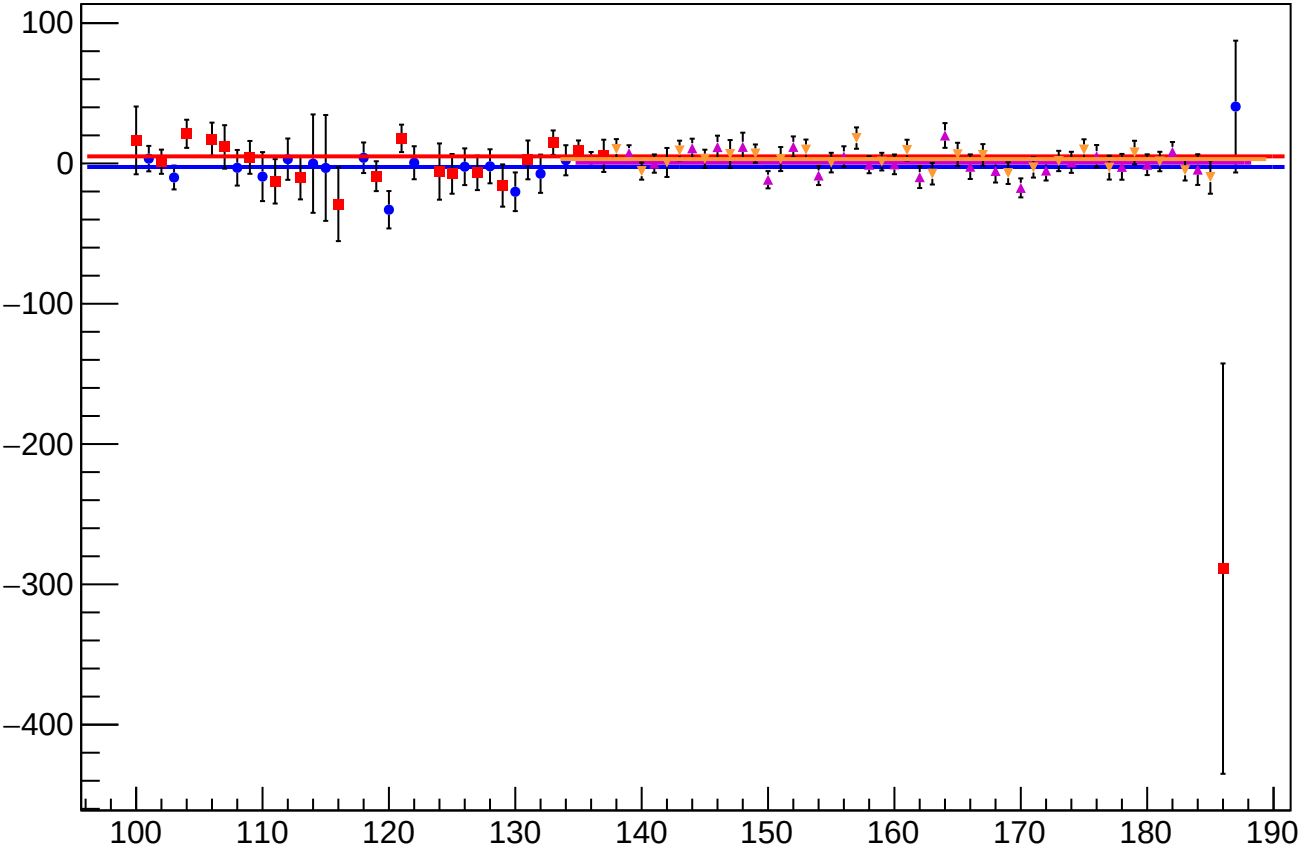
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 919.338+/-0.127 χ^2/NDF: 943511.7/41

All: 927.036+/-0.091 χ^2/NDF: 1808185.2/84

- sign 935.157+/-0.130 χ^2/NDF: 857085.3/42

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: -2.532+/-2.783 χ^2/NDF: 10.9/16

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 5.037+/-2.691 χ^2/NDF: 21.3/19

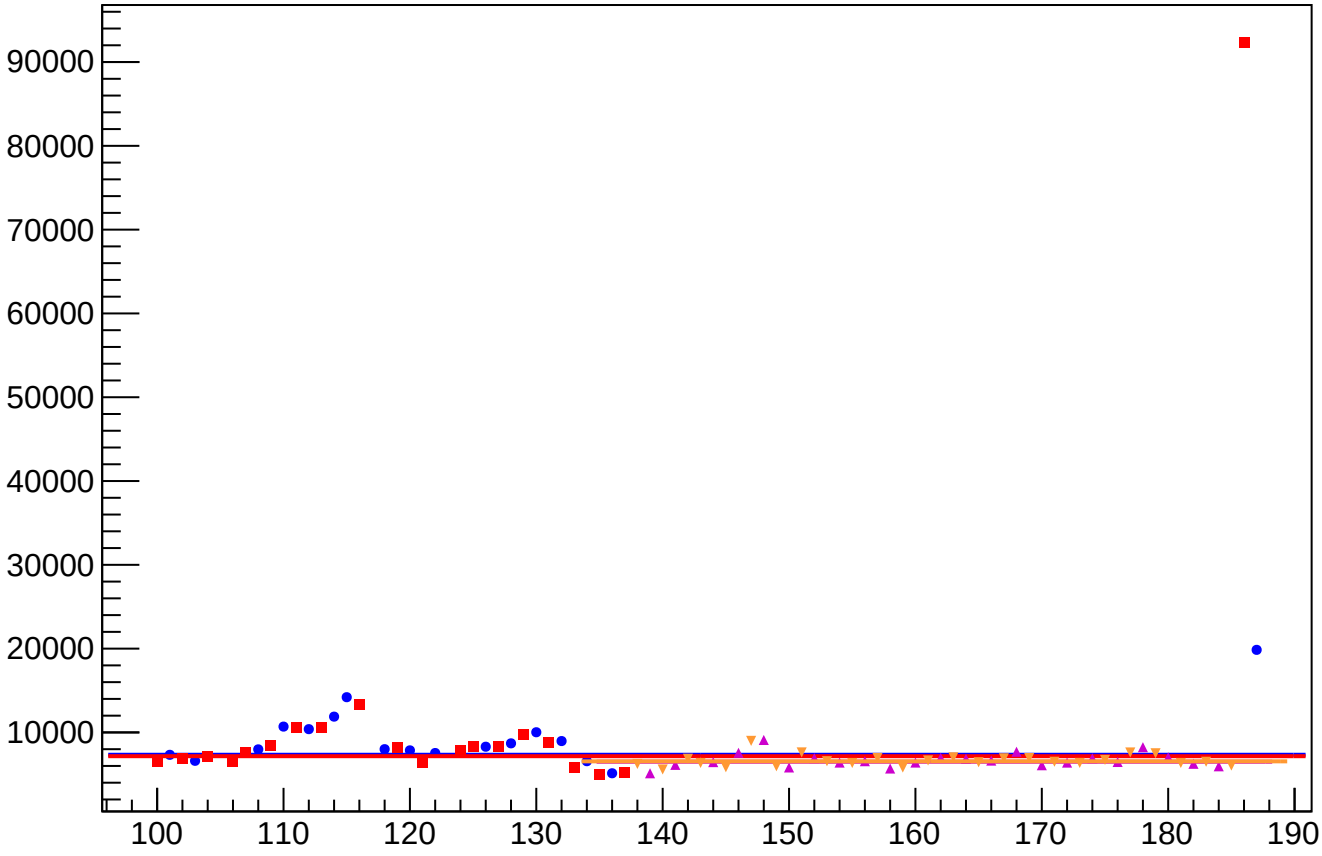
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 1.832+/-1.321 χ^2/NDF: 32.7/41

All: 1.731+/-0.938 χ^2/NDF: 88.1/84

- sign 1.628+/-1.333 χ^2/NDF: 55.4/42

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 7334.351+/-1.968 χ^2/NDF: 913076.2/16

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

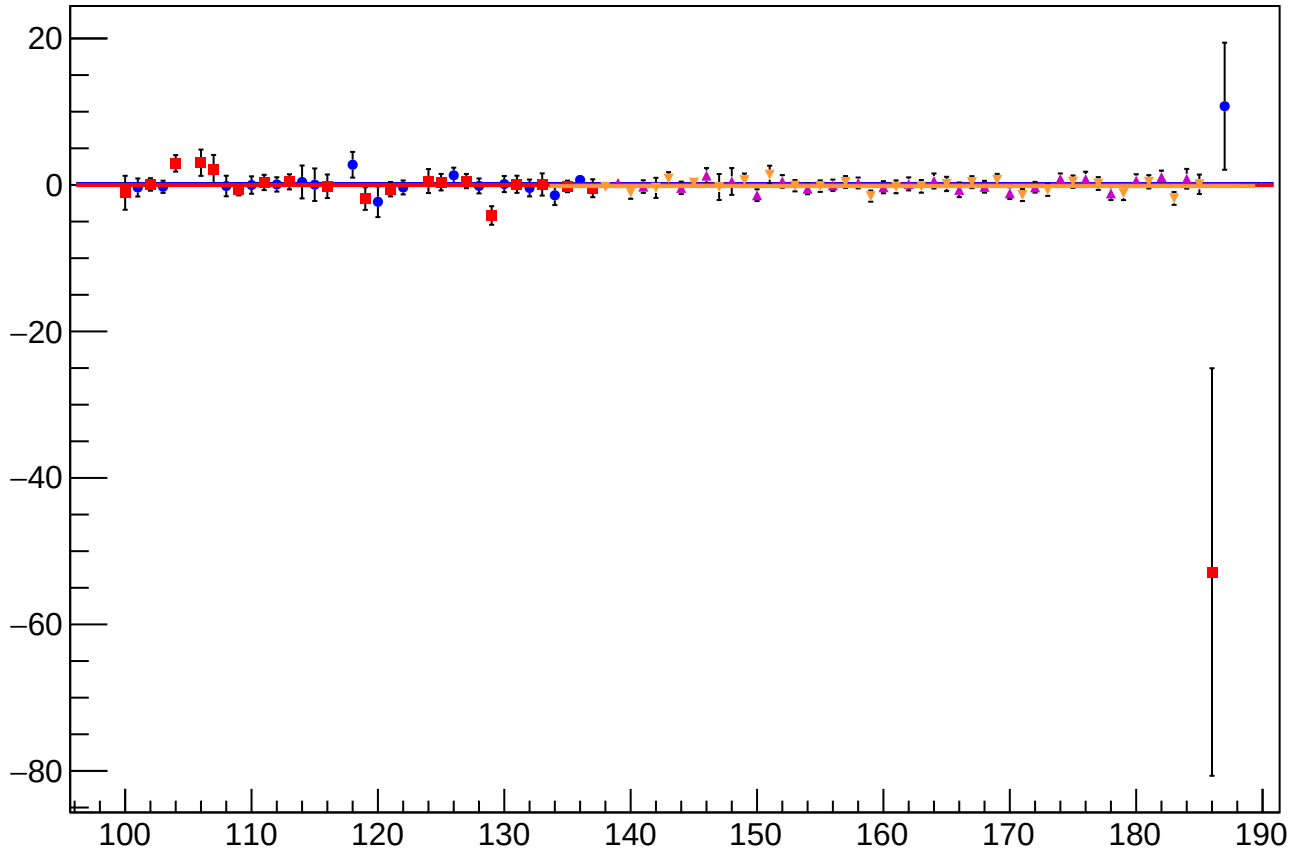
Right Out: 7163.270+/-1.903 χ^2/NDF: 1471337.7/19

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6725.724+/-0.934 χ^2/NDF: 1402568.6/41

All: 6696.435+/-0.663 χ^2/NDF: 3481651.3/84

- sign 6666.581+/-0.943 χ^2/NDF: 2077096.3/42



Right In: 0.128+/-0.273 χ^2/NDF: 9.6/16

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.017+/-0.263 χ^2/NDF: 28.8/19

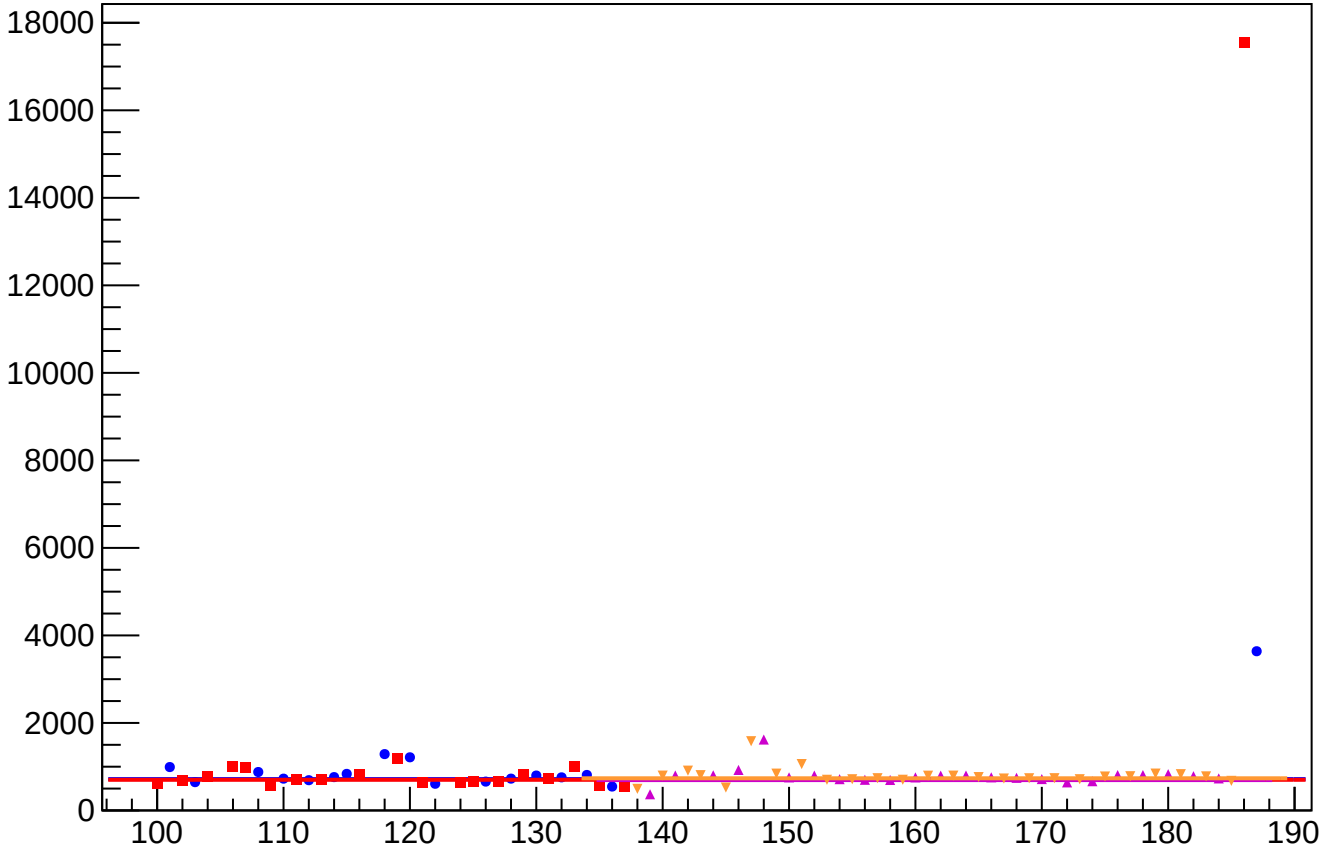
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.080+/-0.146 χ^2/NDF: 29.4/41

All: -0.035+/-0.102 χ^2/NDF: 73.6/84

- sign 0.007+/-0.142 χ^2/NDF: 44.0/42

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 716.524+/-0.193 χ^2/NDF: 926400.7/16

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 701.010+/-0.186 χ^2/NDF: 1309305.0/19

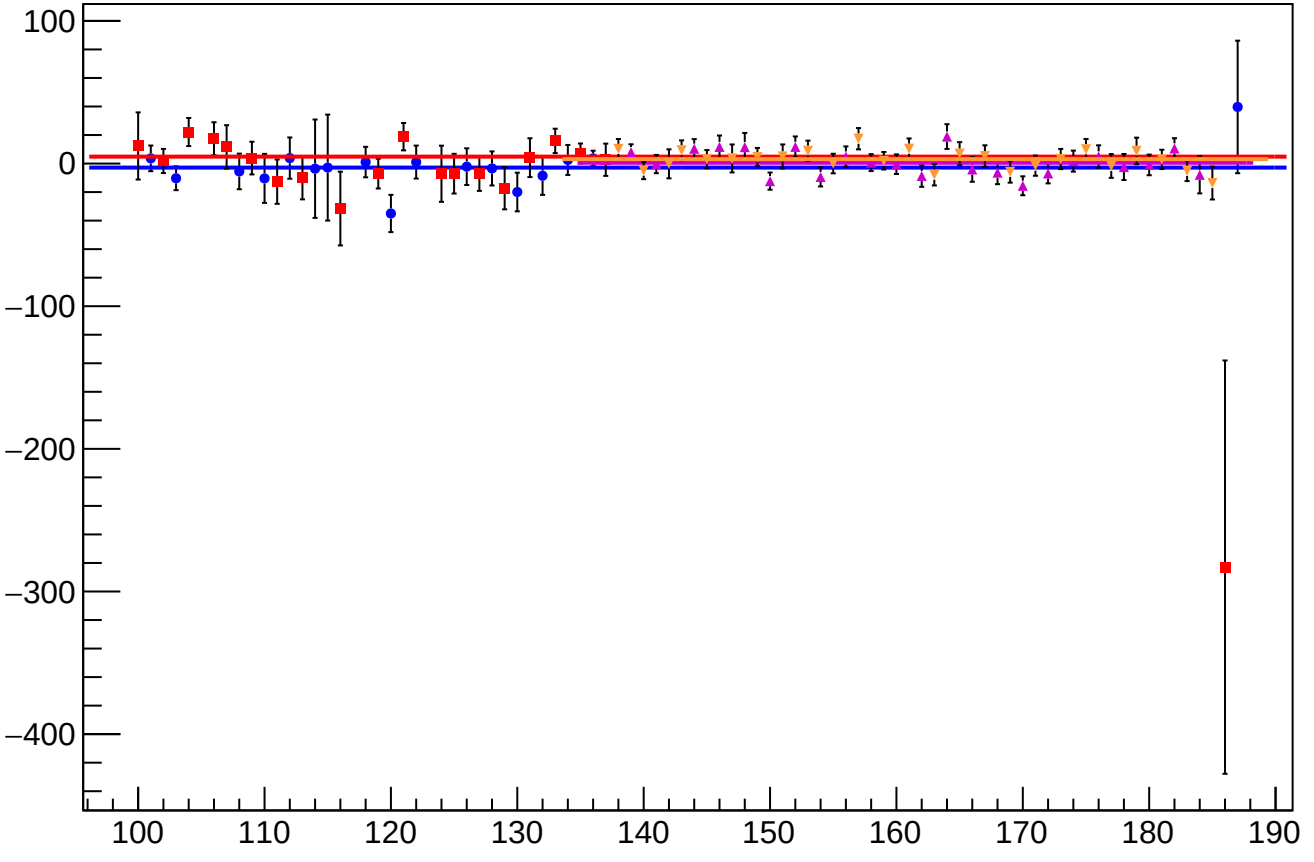
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 729.734+/-0.103 χ^2/NDF: 2272692.2/41

All: 712.553+/-0.072 χ^2/NDF: 5862481.8/84

- sign 696.154+/-0.101 χ^2/NDF: 3535361.3/42

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: -2.825+/-2.741 χ^2/NDF: 12.4/16

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 4.859+/-2.653 χ^2/NDF: 22.4/19

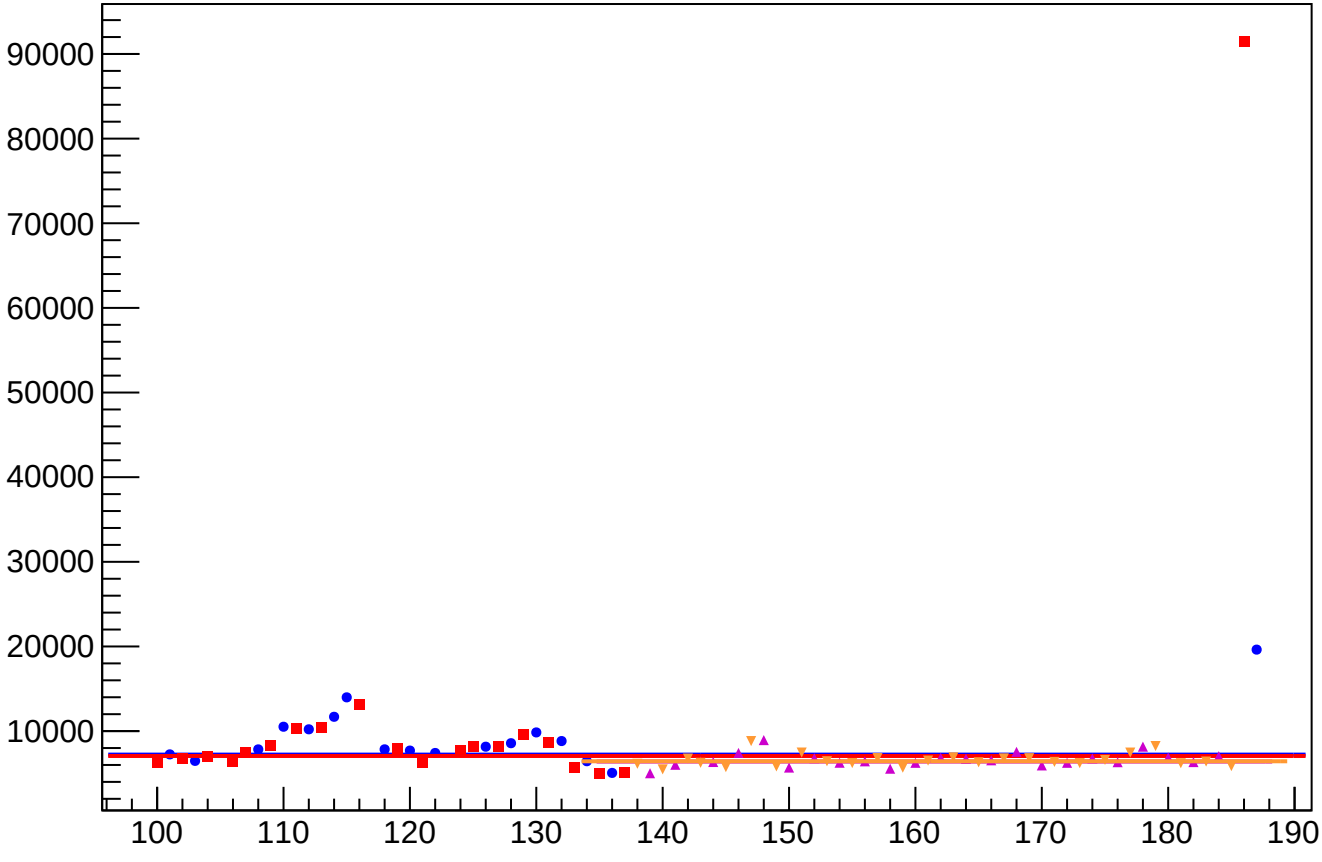
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 1.777+/-1.300 χ^2/NDF: 34.8/41

All: 1.693+/-0.924 χ^2/NDF: 92.8/84

- sign 1.607+/-1.314 χ^2/NDF: 58.0/42

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 7222.270+/-1.938 χ^2/NDF: 905049.0/16

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 7061.846+/-1.876 χ^2/NDF: 1445489.0/19

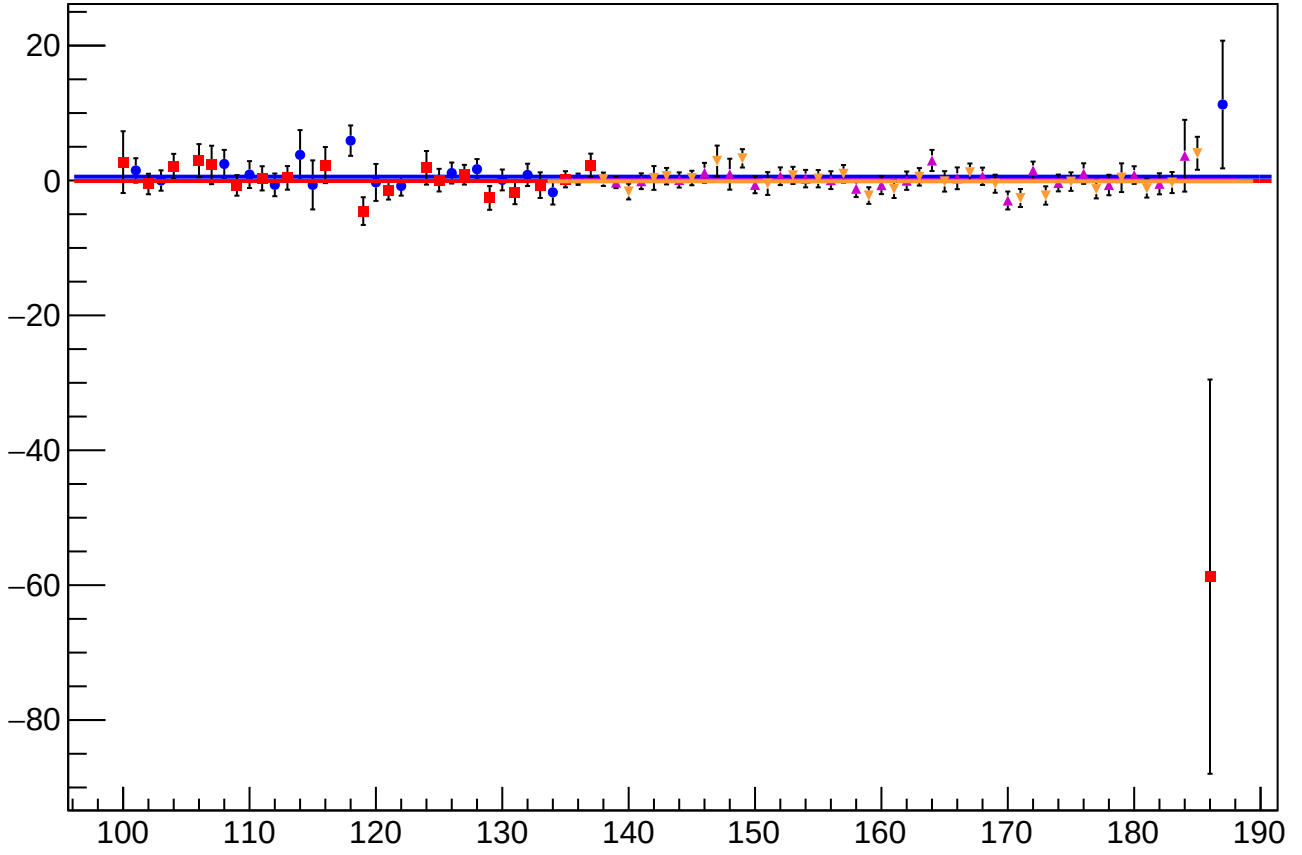
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6612.266+/-0.919 χ^2/NDF: 1450124.0/41

All: 6589.535+/-0.653 χ^2/NDF: 3514404.9/84

- sign 6566.307+/-0.929 χ^2/NDF: 2063044.2/42

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.567+/-0.410 χ^2/NDF: 13.2/16

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.071+/-0.409 χ^2/NDF: 20.9/19

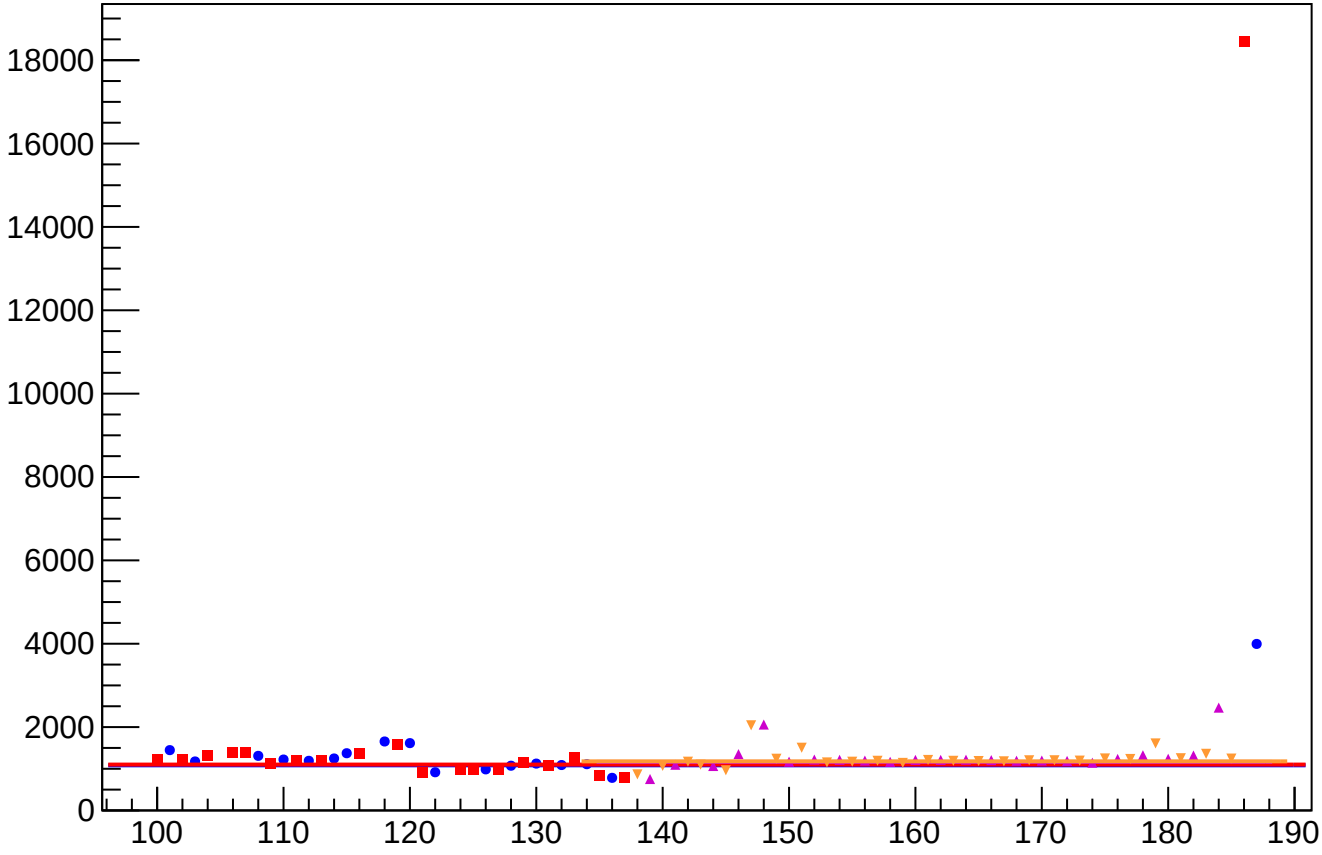
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign 0.089+/-0.228 χ^2/NDF: 42.1/41

All: 0.044+/-0.162 χ^2/NDF: 77.6/84

- sign -0.003+/-0.230 χ^2/NDF: 35.4/42

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 1082.793+/-0.290 χ^2/NDF: 836209.2/16

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1100.501+/-0.289 χ^2/NDF: 1188518.3/19

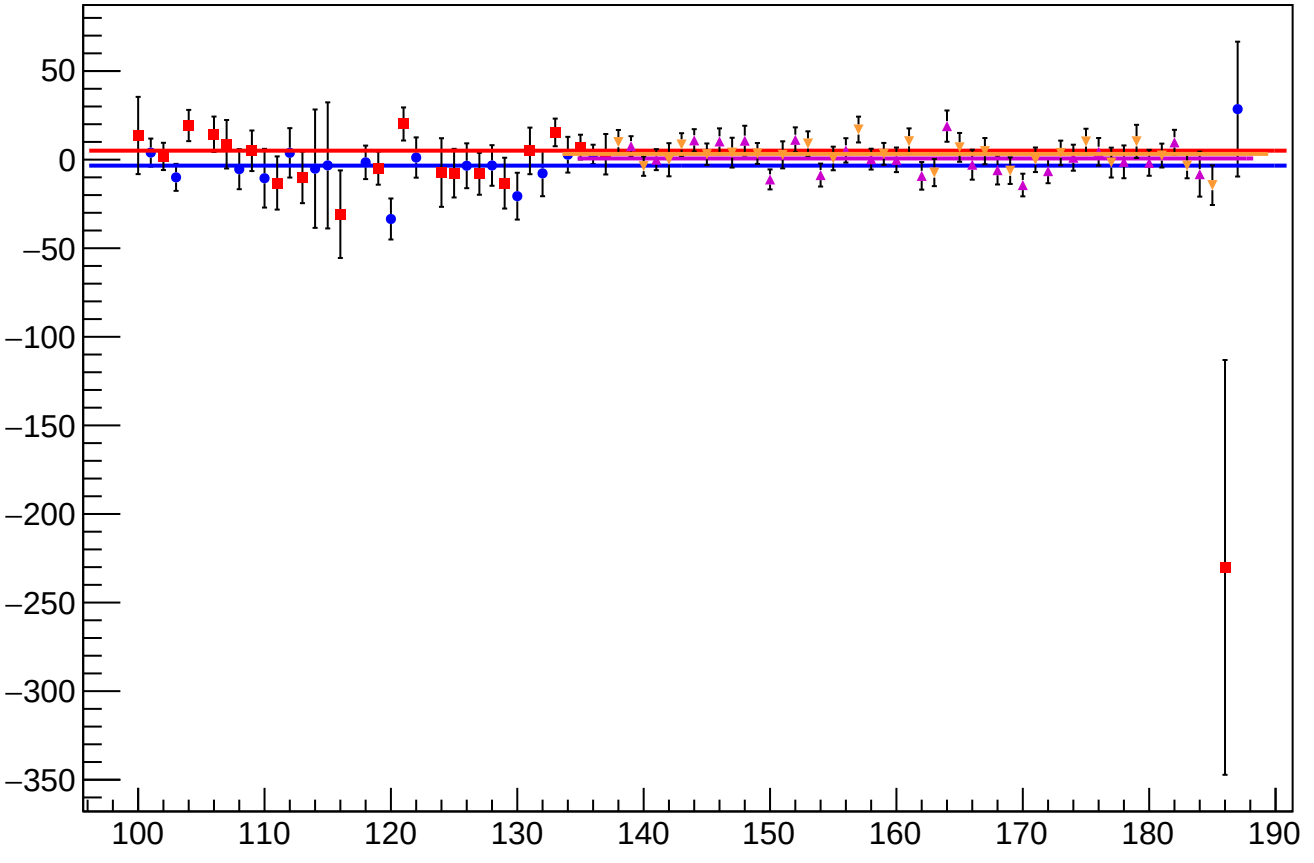
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1148.569+/-0.161 χ^2/NDF: 1711236.7/41

All: 1146.186+/-0.114 χ^2/NDF: 3985178.3/84

- sign 1143.746+/-0.163 χ^2/NDF: 2273497.5/42

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: -3.377+/-2.602 χ^2/NDF: 13.3/16

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 5.068+/-2.507 χ^2/NDF: 22.2/19

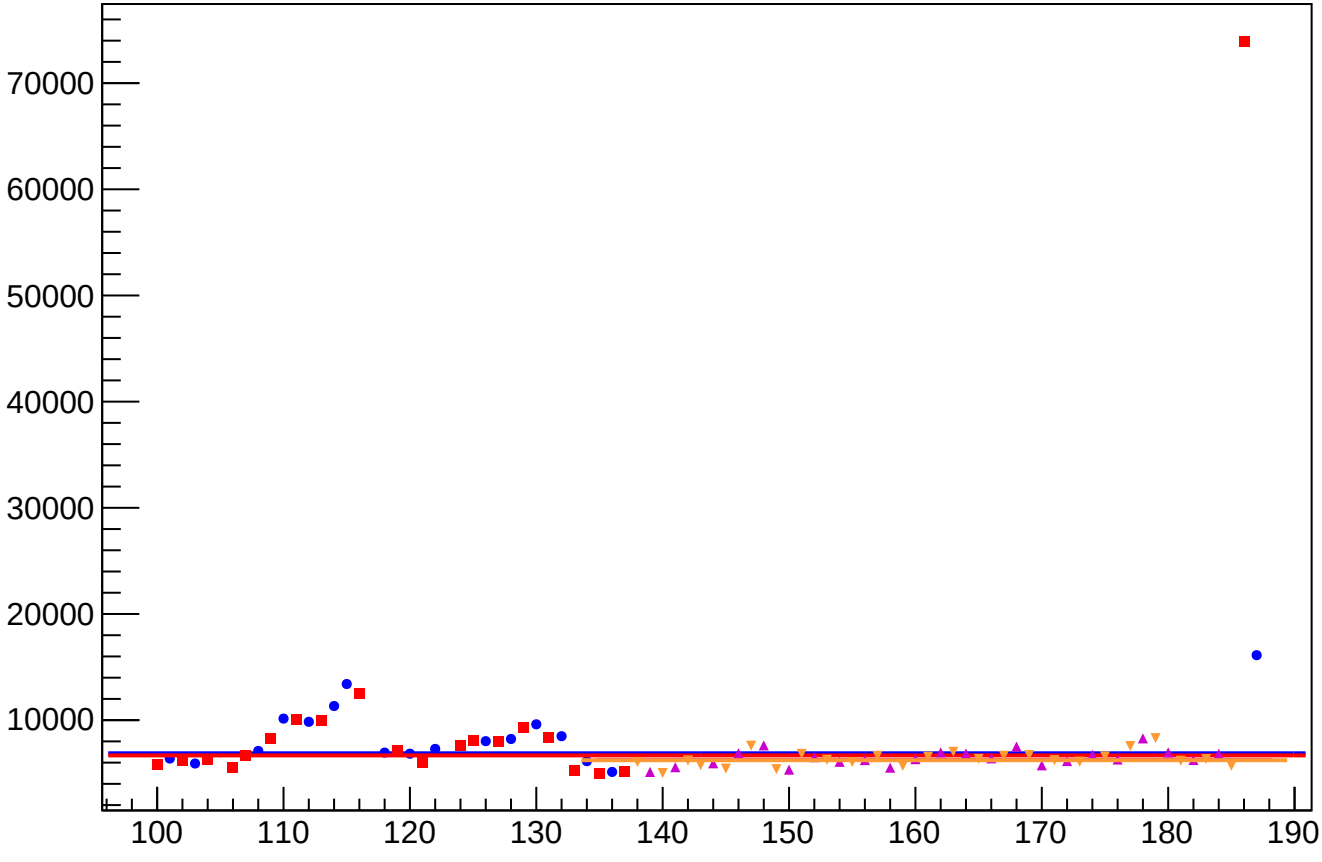
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 1.701+/-1.253 χ^2/NDF: 36.2/41

All: 1.748+/-0.892 χ^2/NDF: 93.1/84

- sign 1.797+/-1.270 χ^2/NDF: 56.9/42

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 6877.750+/-1.840 χ^2/NDF: 811222.7/16

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 6678.857+/-1.773 χ^2/NDF: 1445198.6/19

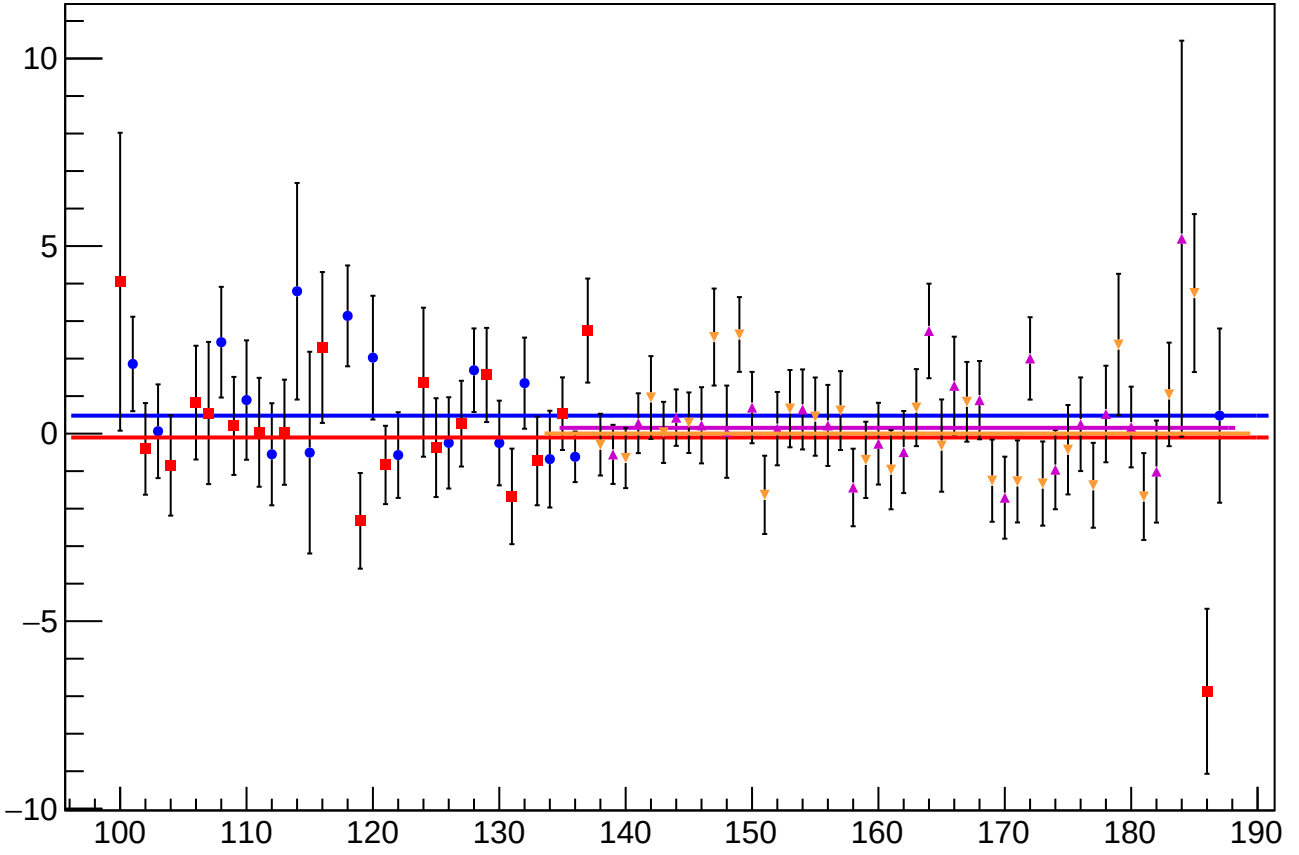
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6379.155+/-0.886 χ^2/NDF: 1377673.9/41

All: 6368.592+/-0.631 χ^2/NDF: 3352281.1/84

- sign 6357.730+/-0.898 χ^2/NDF: 1974318.9/42

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.479+/-0.308 χ^2/NDF: 16.7/16

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.103+/-0.306 χ^2/NDF: 25.4/19

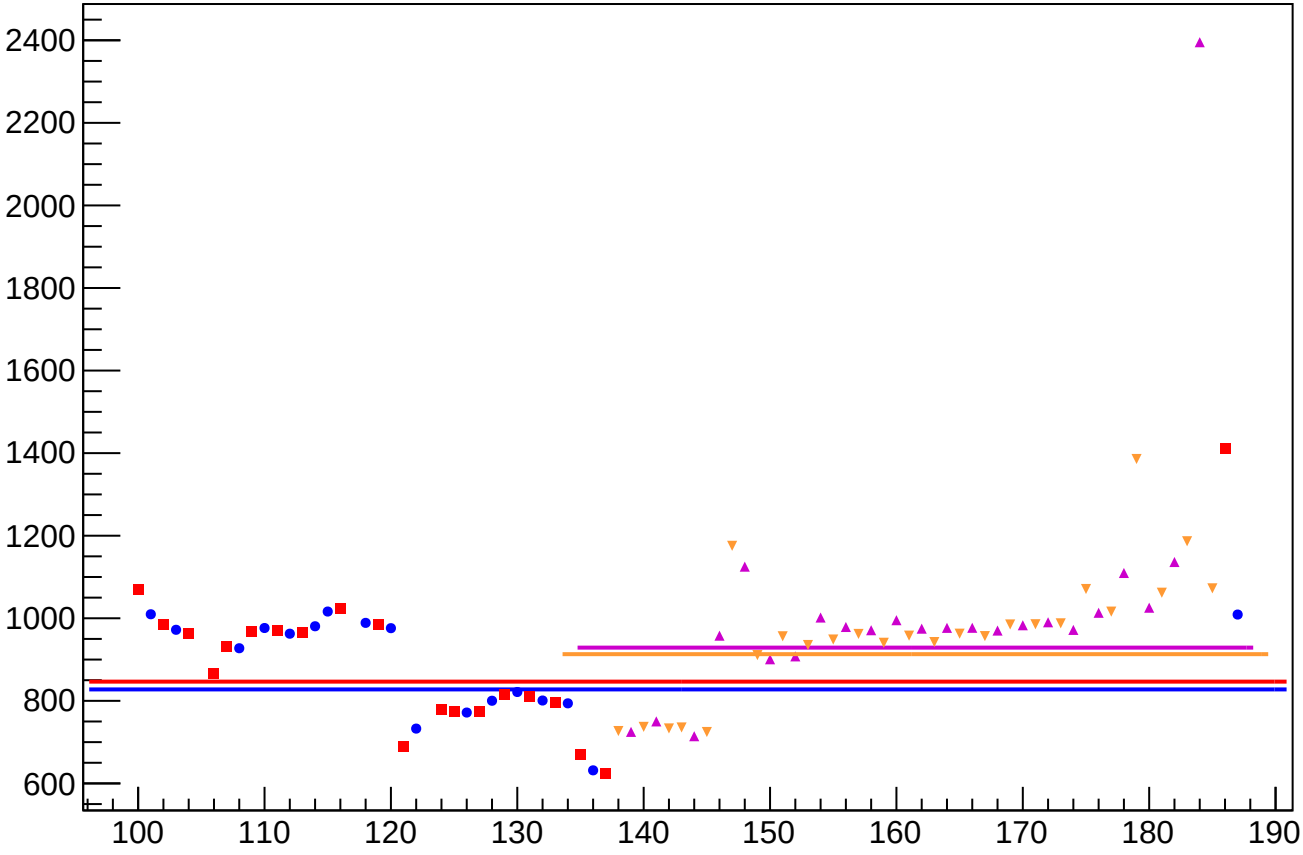
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.156+/-0.175 χ^2/NDF: 50.0/41

All: 0.112+/-0.125 χ^2/NDF: 94.3/84

- sign 0.066+/-0.179 χ^2/NDF: 44.2/42

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 827.681+/-0.218 χ^2/NDF: 377883.9/16

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

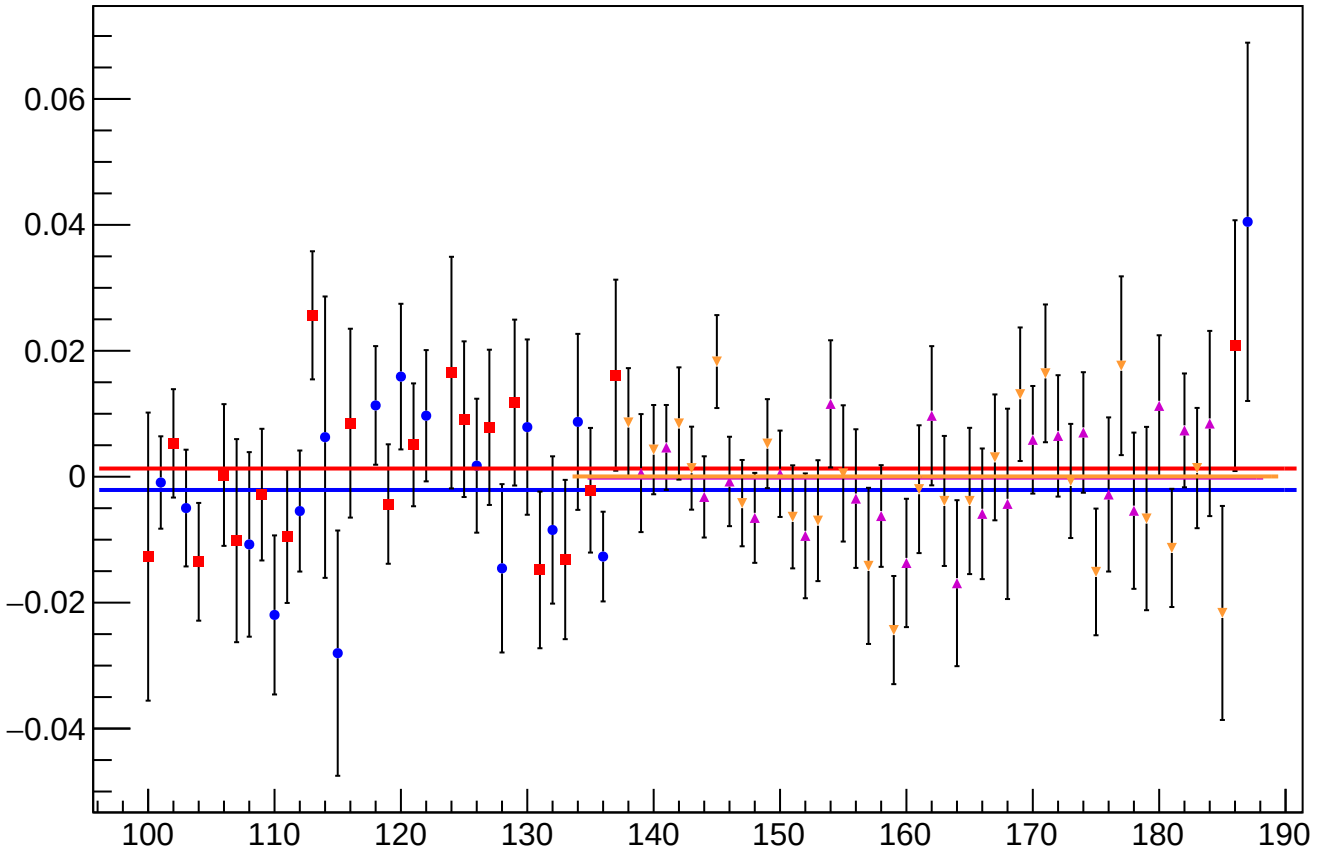
Right Out: 846.551+/-0.216 χ^2/NDF: 453805.5/19

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 885.639+/-0.123 χ^2/NDF: 1371392.9/41

All: 892.935+/-0.088 χ^2/NDF: 2696817.0/84

- sign 900.613+/-0.127 χ^2/NDF: 1318256.2/42



Right In: -0.002+/-0.003 χ^2/NDF: 17.6/16

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.001+/-0.003 χ^2/NDF: 18.3/19

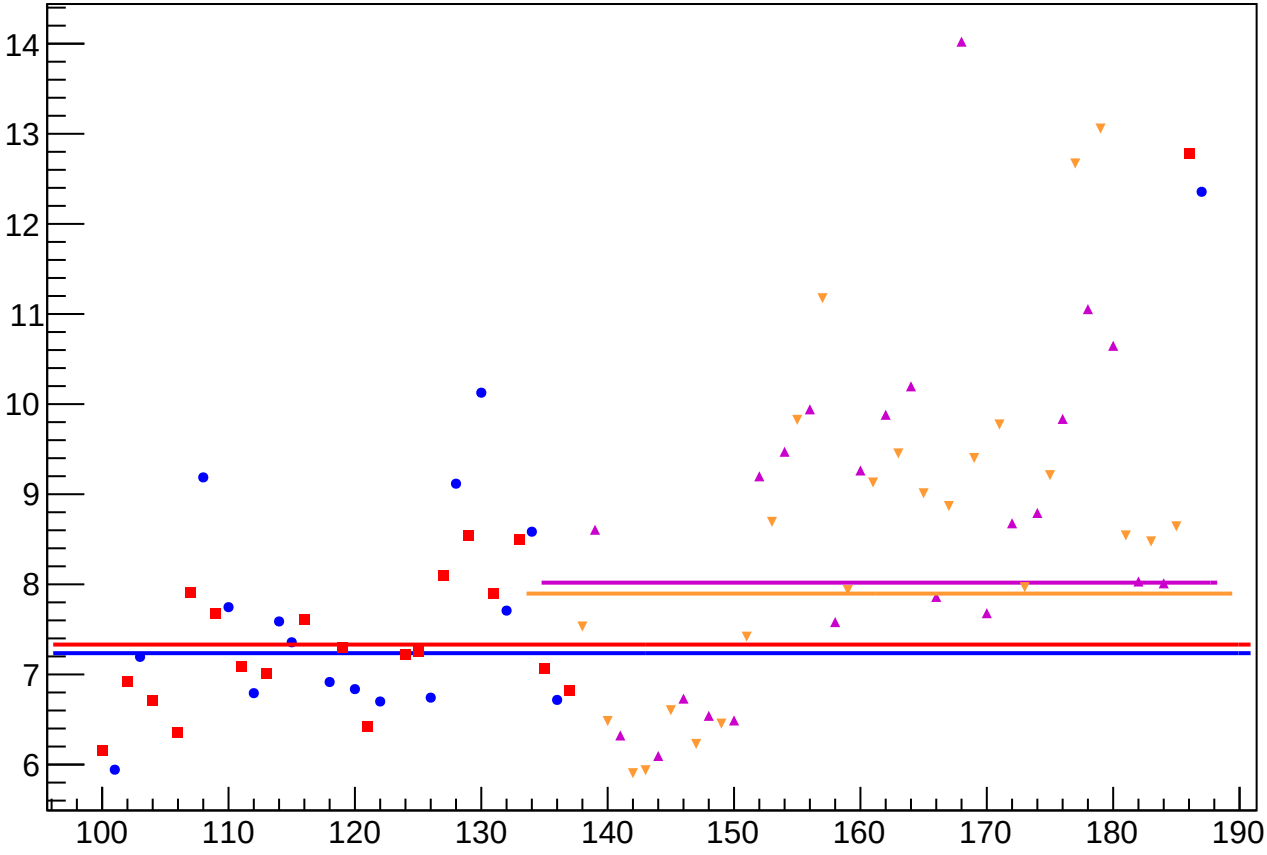
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign -0.001+/-0.002 χ^2/NDF: 49.1/41

All: -0.000+/-0.001 χ^2/NDF: 80.6/84

- sign 0.000+/-0.002 χ^2/NDF: 31.3/42

diff_dispE_bpm12X_rms vs Slug



Right In: 7.236+/-0.002 χ^2/NDF: 342982.3/16

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

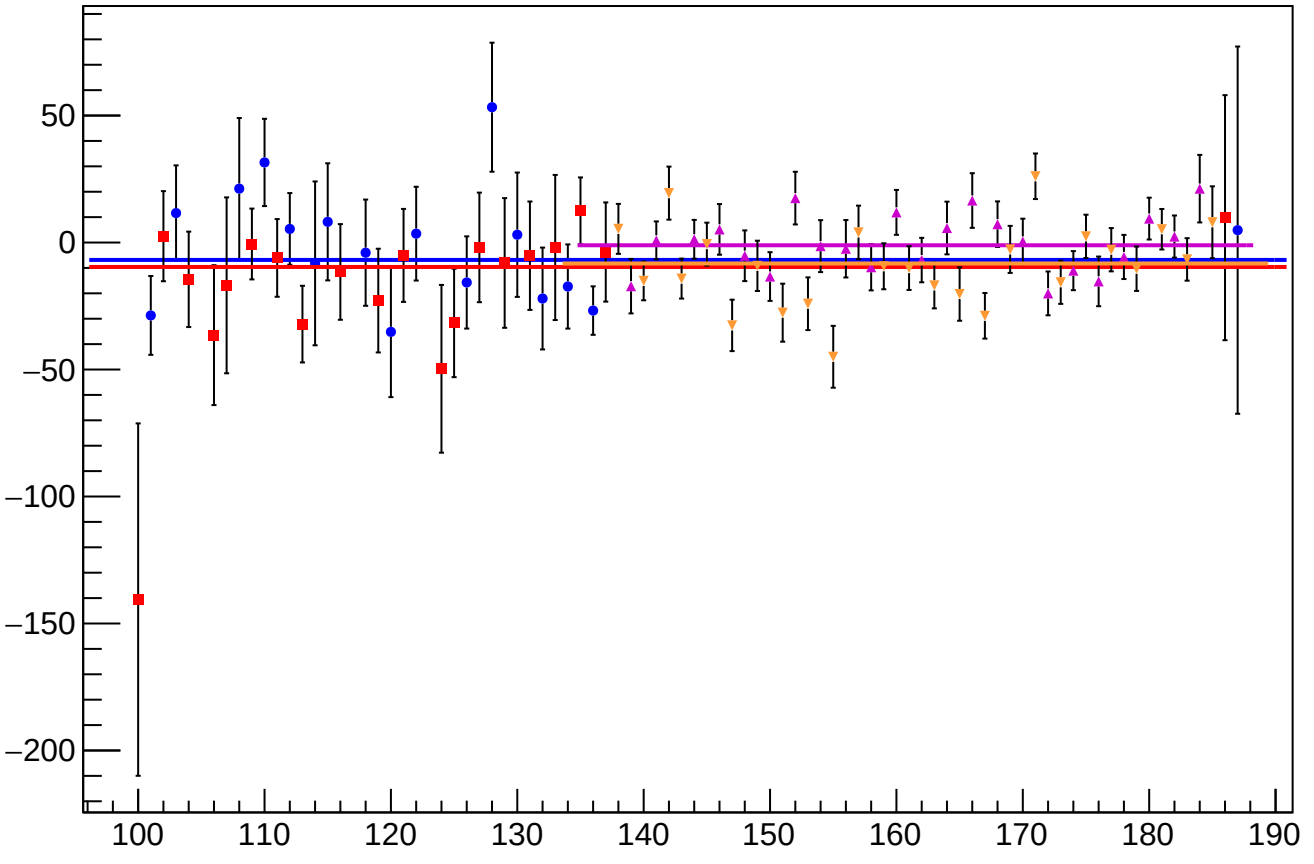
Right Out: 7.332+/-0.002 χ^2/NDF: 258762.6/19

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 7.687+/-0.001 χ^2/NDF: 2015798.2/41

All: 7.733+/-0.001 χ^2/NDF: 3822965.0/84

- sign 7.781+/-0.001 χ^2/NDF: 1803405.0/42



Right In: -6.846+/-4.480 χ^2/NDF: 23.1/16

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -9.620+/-4.498 χ^2/NDF: 14.1/19

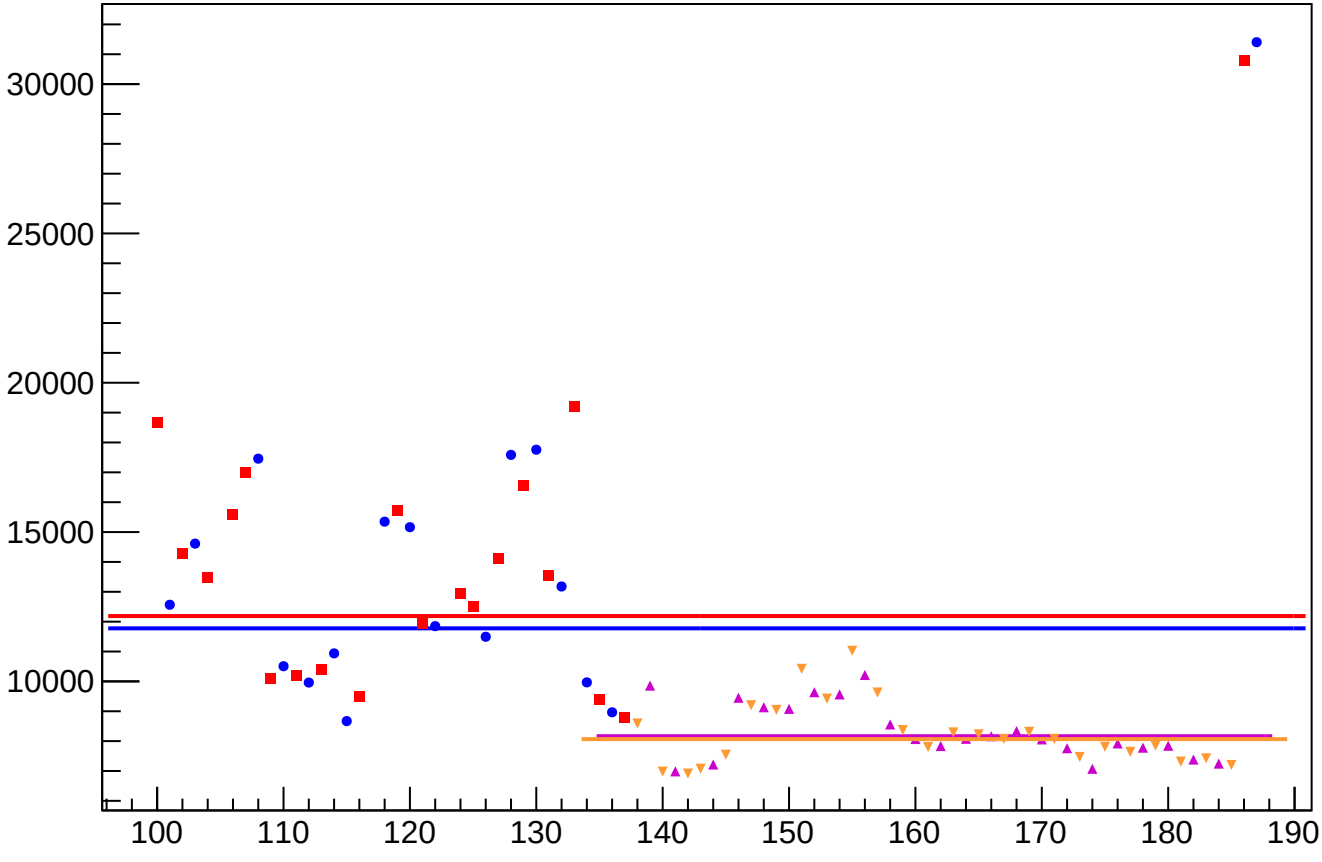
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

\+ sign -8.051+/-1.709 χ^2/NDF: 85.3/41

All: -5.313+/-1.228 χ^2/NDF: 136.6/84

\- sign -2.390+/-1.766 χ^2/NDF: 46.0/42

diff_targ_positionX_rms vs Slug



Right In: 11776.266+/-3.168 χ^2/NDF: 888148.6/16

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

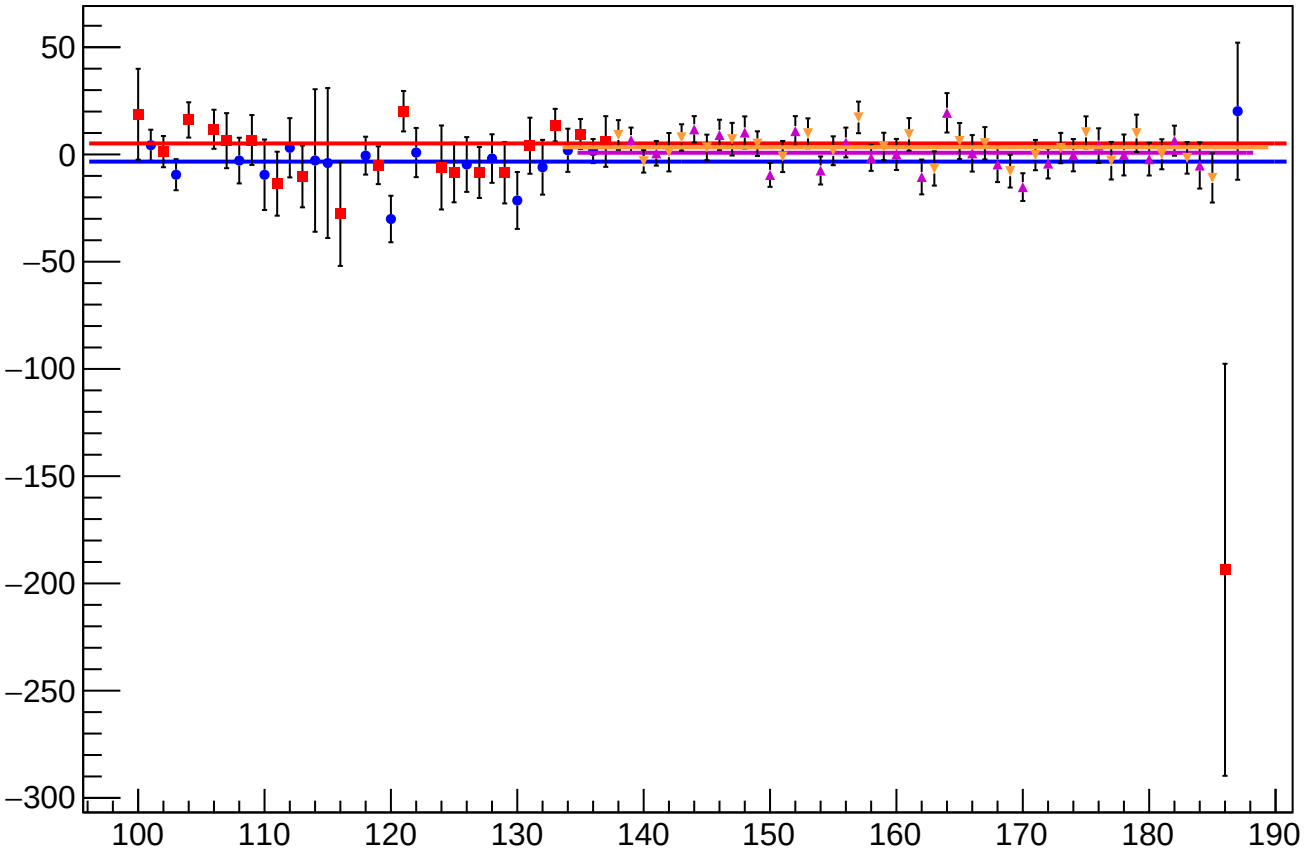
Right Out: 12187.352+/-3.180 χ^2/NDF: 984740.6/19

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 8606.897+/-1.209 χ^2/NDF: 2558012.5/41

All: 8692.629+/-0.869 χ^2/NDF: 5339386.6/84

- sign 8784.173+/-1.249 χ^2/NDF: 2770972.6/42



Right In: -3.335+/-2.542 χ^2/NDF: 12.0/16

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 5.131+/-2.446 χ^2/NDF: 20.9/19

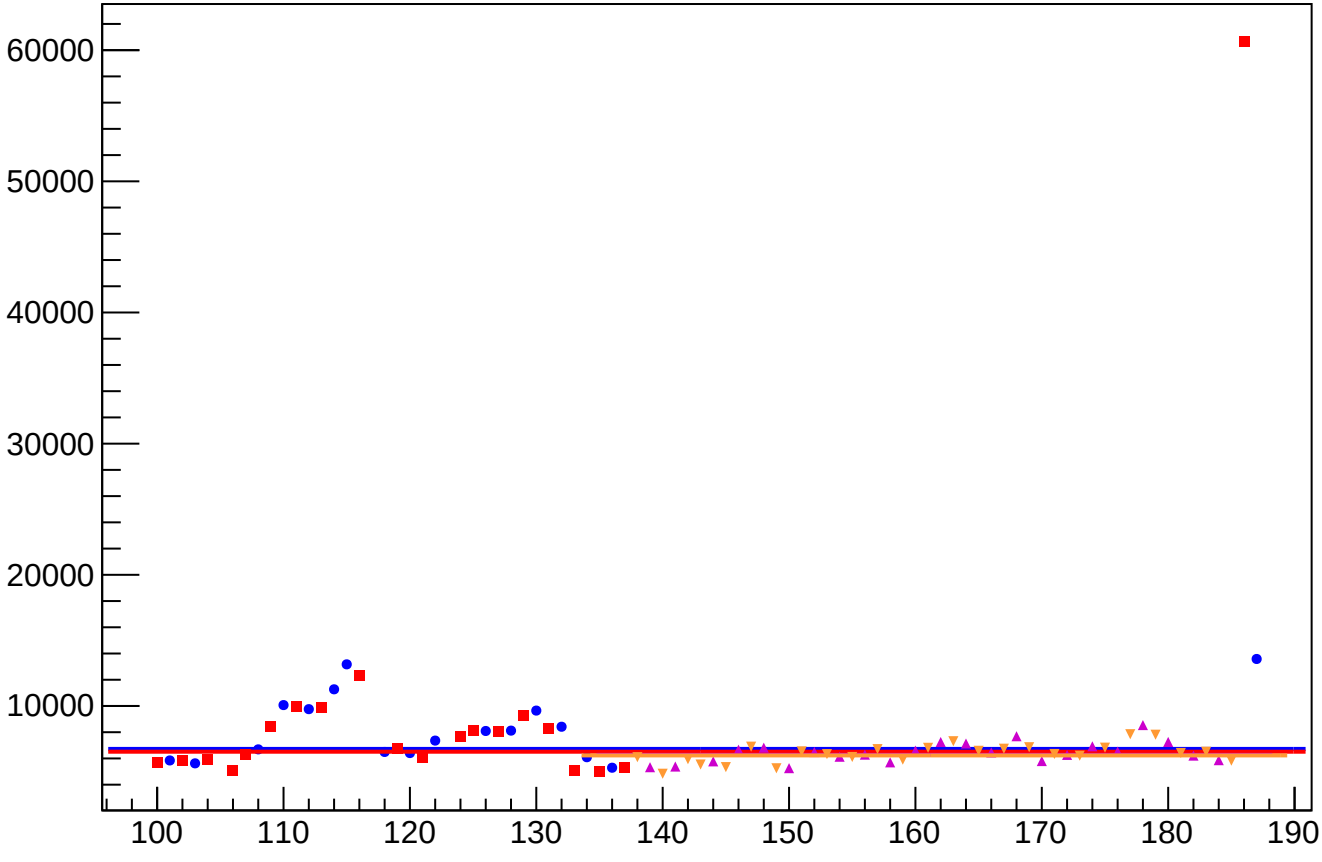
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 1.726+/-1.247 χ^2/NDF: 34.2/41

All: 1.840+/-0.888 χ^2/NDF: 86.8/84

- sign 1.957+/-1.265 χ^2/NDF: 52.6/42

diff_targ_positionY_rms vs Slug



Right In: 6726.641+/-1.797 χ^2/NDF: 784882.7/16

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 6513.242+/-1.729 χ^2/NDF: 1475050.5/19

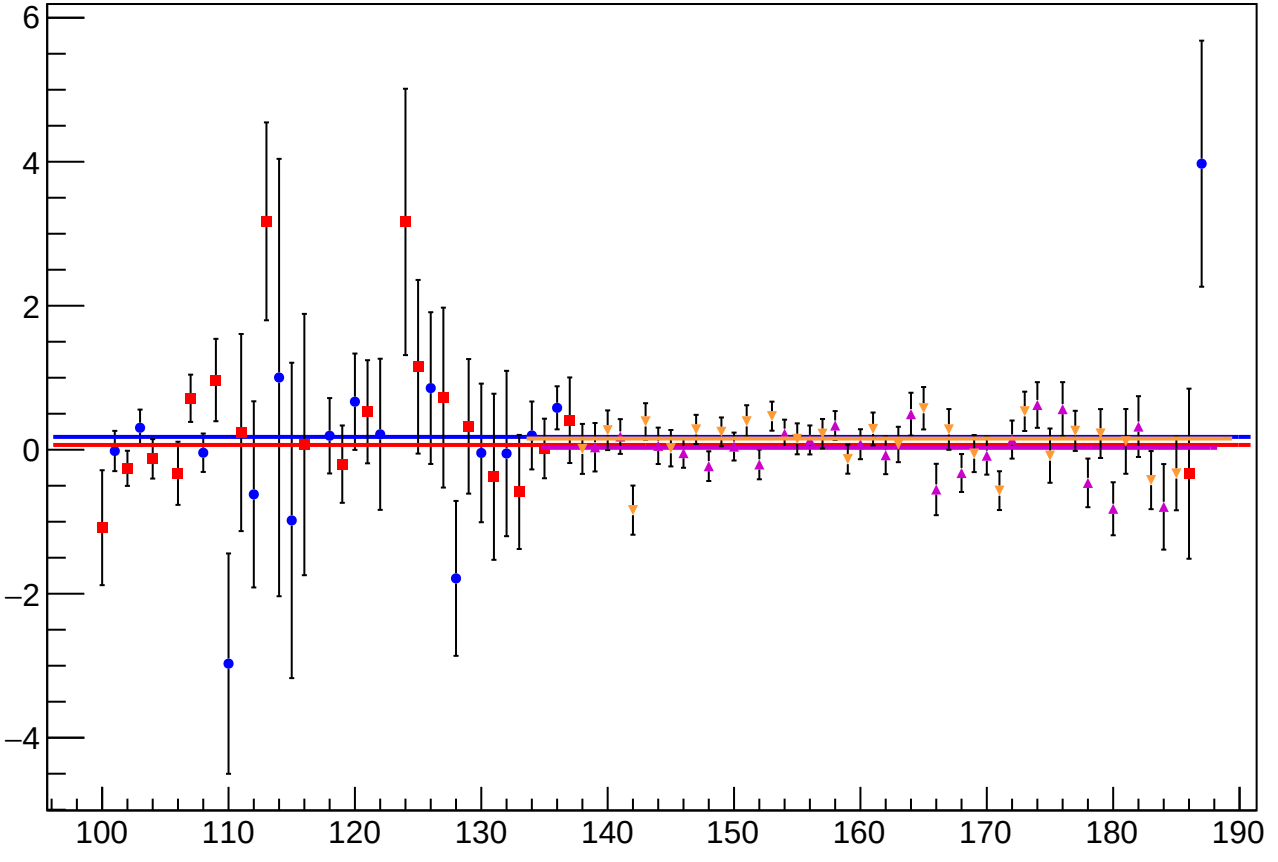
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 6350.196+/-0.882 χ^2/NDF: 1375239.1/41

All: 6343.070+/-0.628 χ^2/NDF: 3369536.0/84

- sign 6335.729+/-0.895 χ^2/NDF: 1994164.2/42

diff_targ_thetaX_mean vs Slug



Right In: 0.178+/-0.119 χ^2/NDF: 17.5/16

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.066+/-0.119 χ^2/NDF: 22.6/19

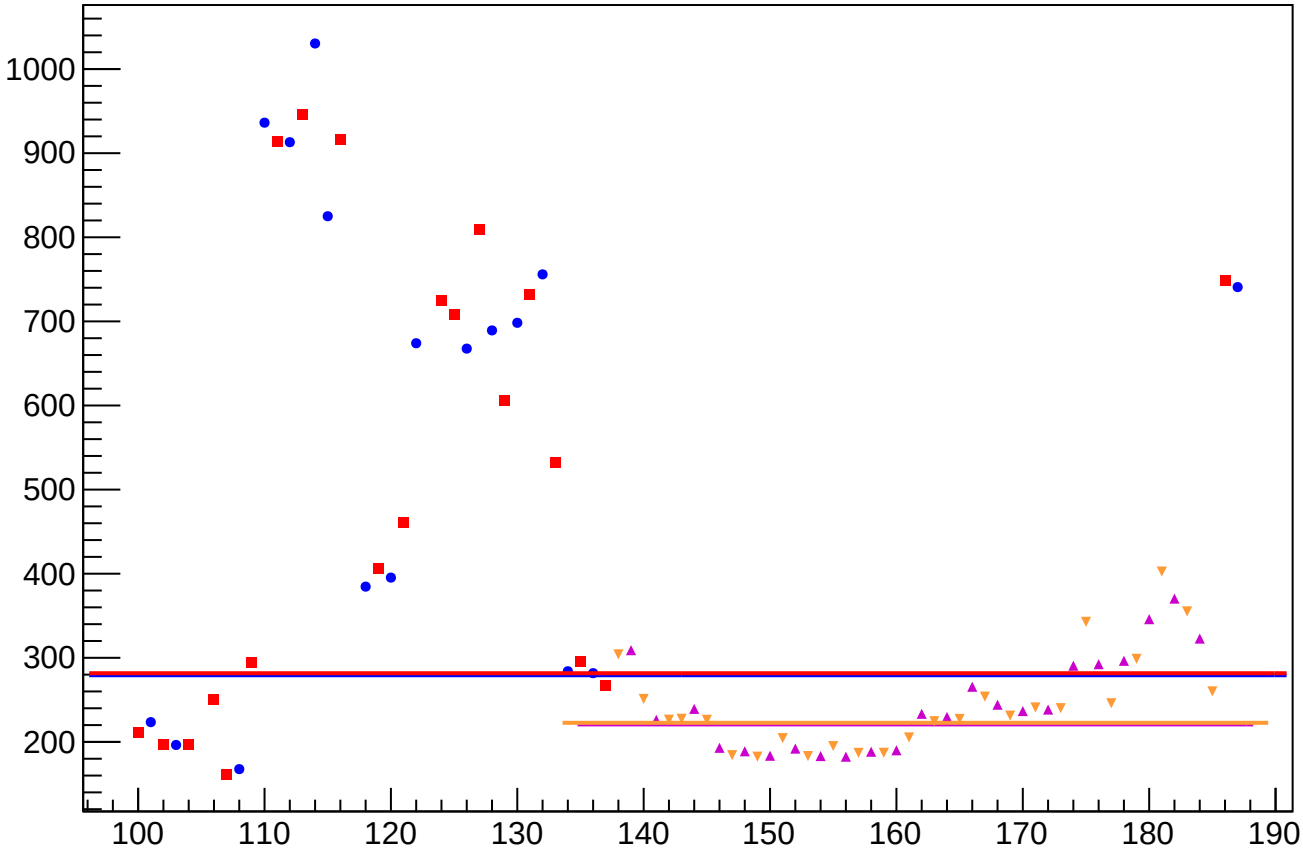
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.159+/-0.048 χ^2/NDF: 49.8/41

All: 0.097+/-0.034 χ^2/NDF: 105.8/84

- sign 0.033+/-0.048 χ^2/NDF: 52.5/42

diff_targ_thetaX_rms vs Slug



Right In: 279.277+/-0.084 χ^2/NDF: 3597124.9/16

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 281.665+/-0.084 χ^2/NDF: 3887843.4/19

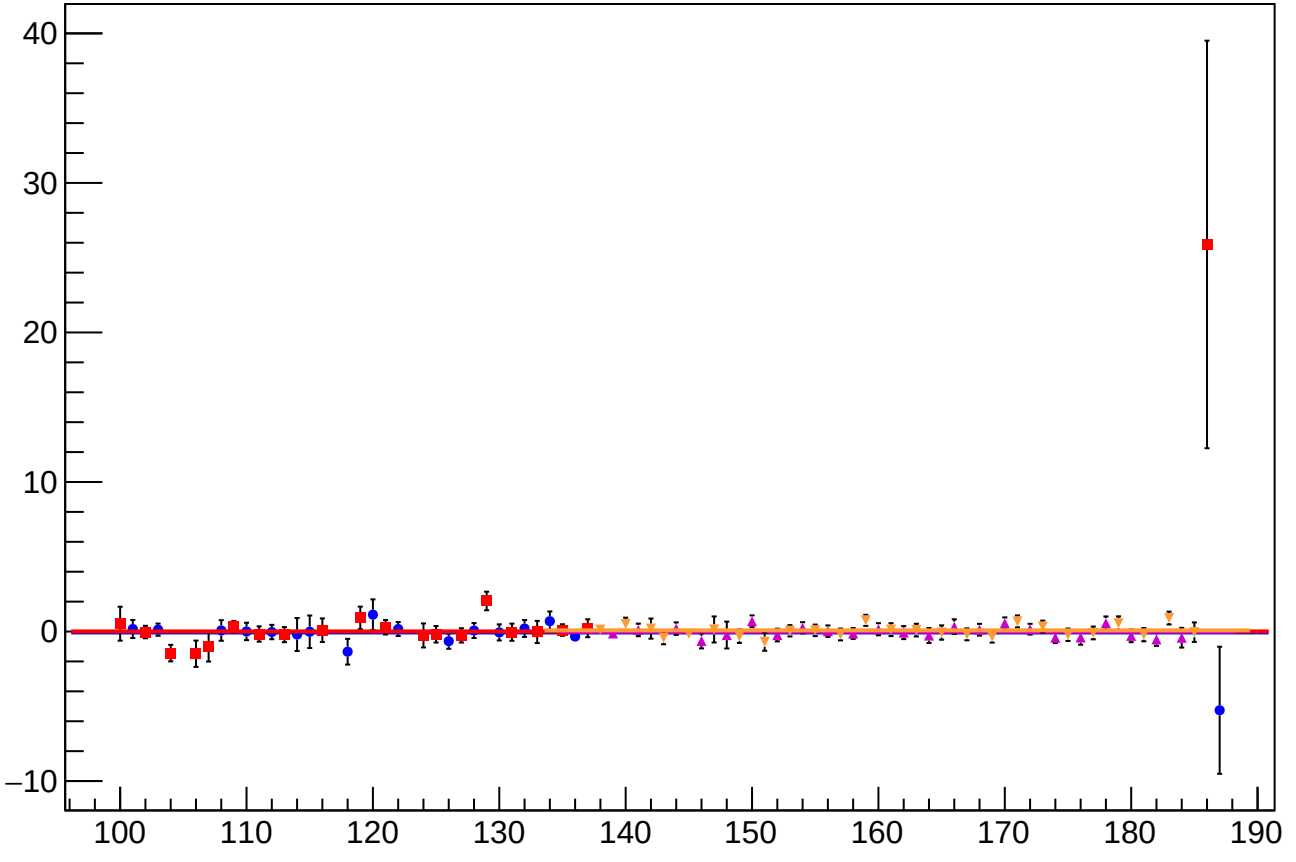
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 231.731+/-0.034 χ^2/NDF: 5426389.1/41

All: 231.300+/-0.024 χ^2/NDF: 11222173.3/84

- sign 230.854+/-0.034 χ^2/NDF: 5795450.6/42

diff_targ_thetaY_mean vs Slug



Right In: -0.062+/-0.134 χ^2/NDF: 9.6/16

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.008+/-0.129 χ^2/NDF: 28.8/19

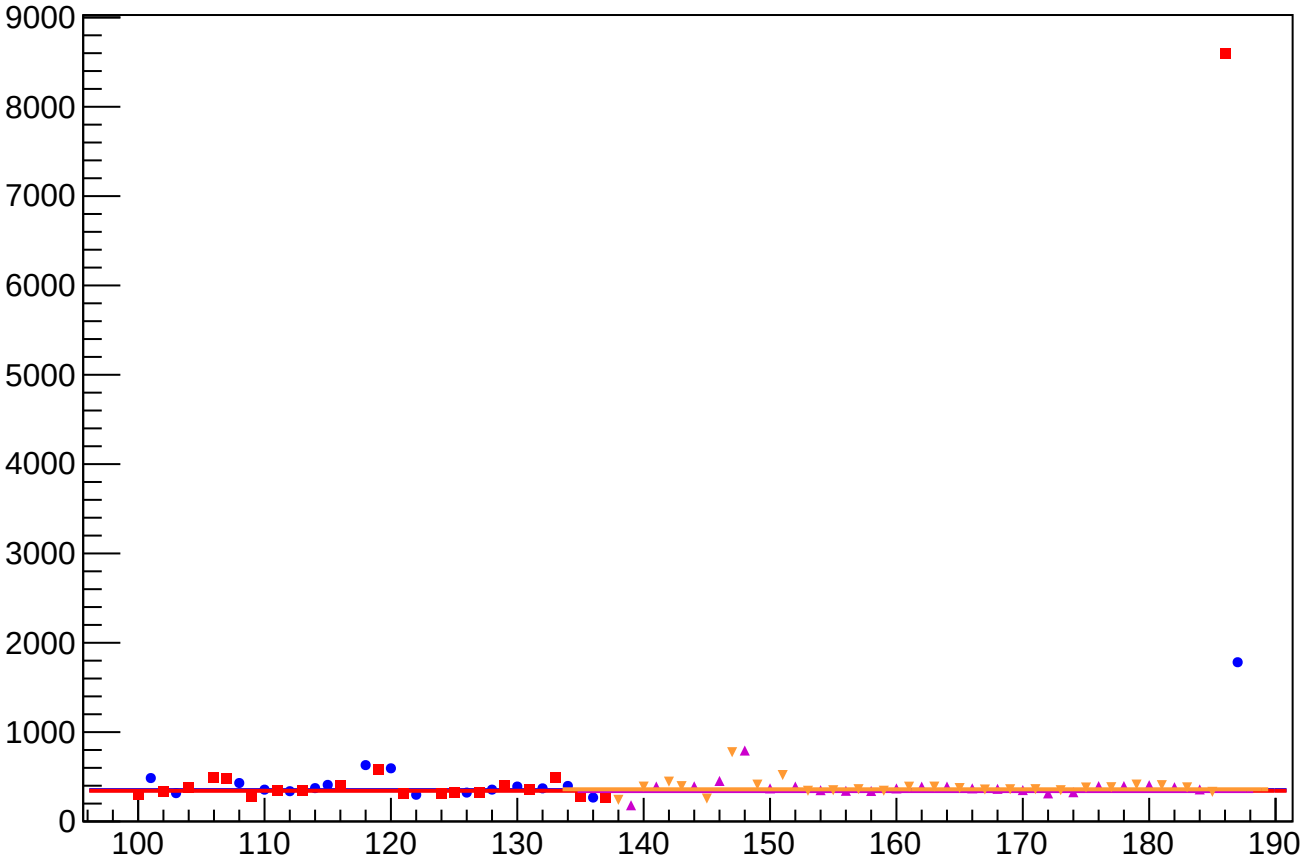
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.039+/-0.071 χ^2/NDF: 29.4/41

All: 0.017+/-0.050 χ^2/NDF: 73.6/84

- sign -0.004+/-0.070 χ^2/NDF: 44.0/42

diff_targ_thetaY_rms vs Slug



Right In: 350.979+/-0.095 χ^2/NDF: 926400.7/16

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

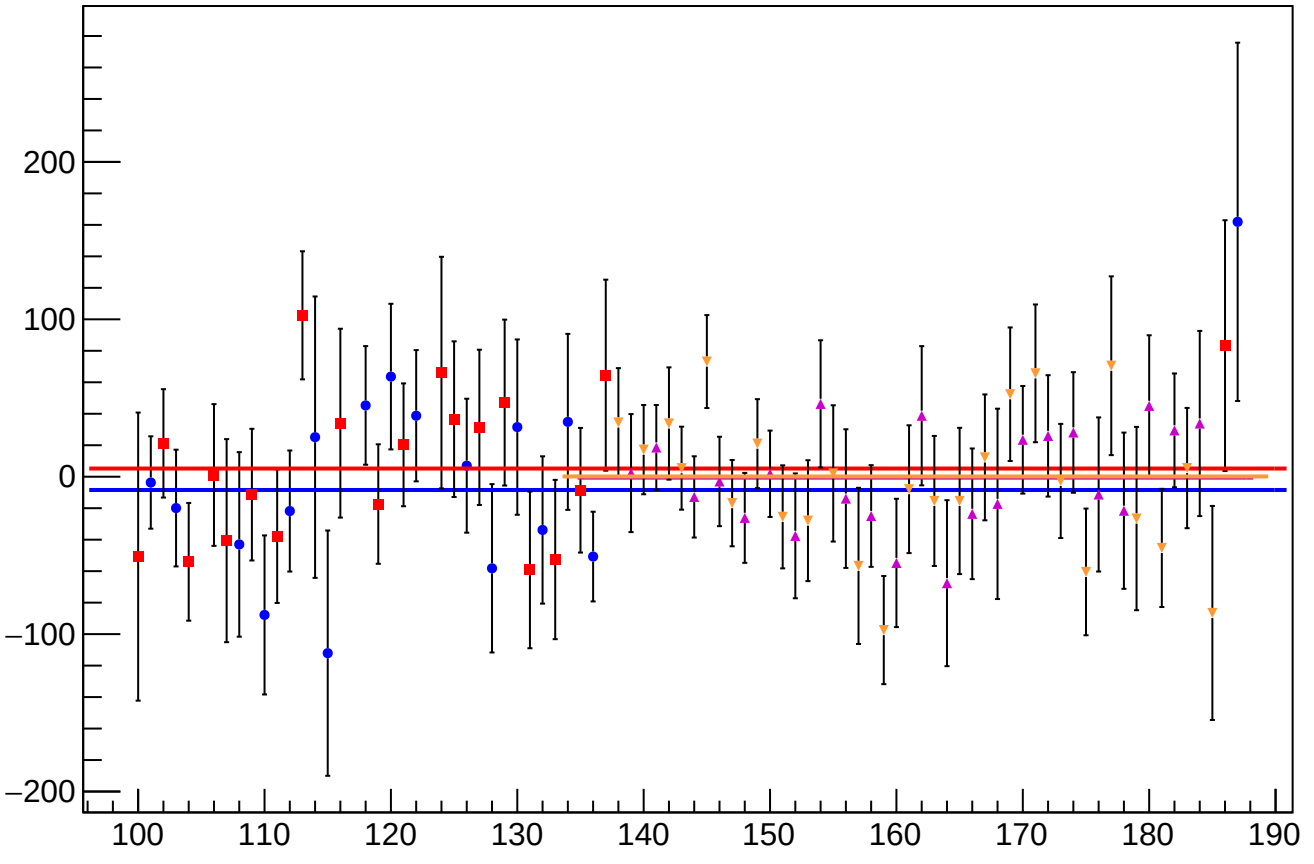
Right Out: 343.380+/-0.091 χ^2/NDF: 1309305.0/19

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 357.450+/-0.050 χ^2/NDF: 2272692.2/41

All: 349.034+/-0.035 χ^2/NDF: 5862481.8/84

- sign 341.001+/-0.049 χ^2/NDF: 3535361.3/42



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

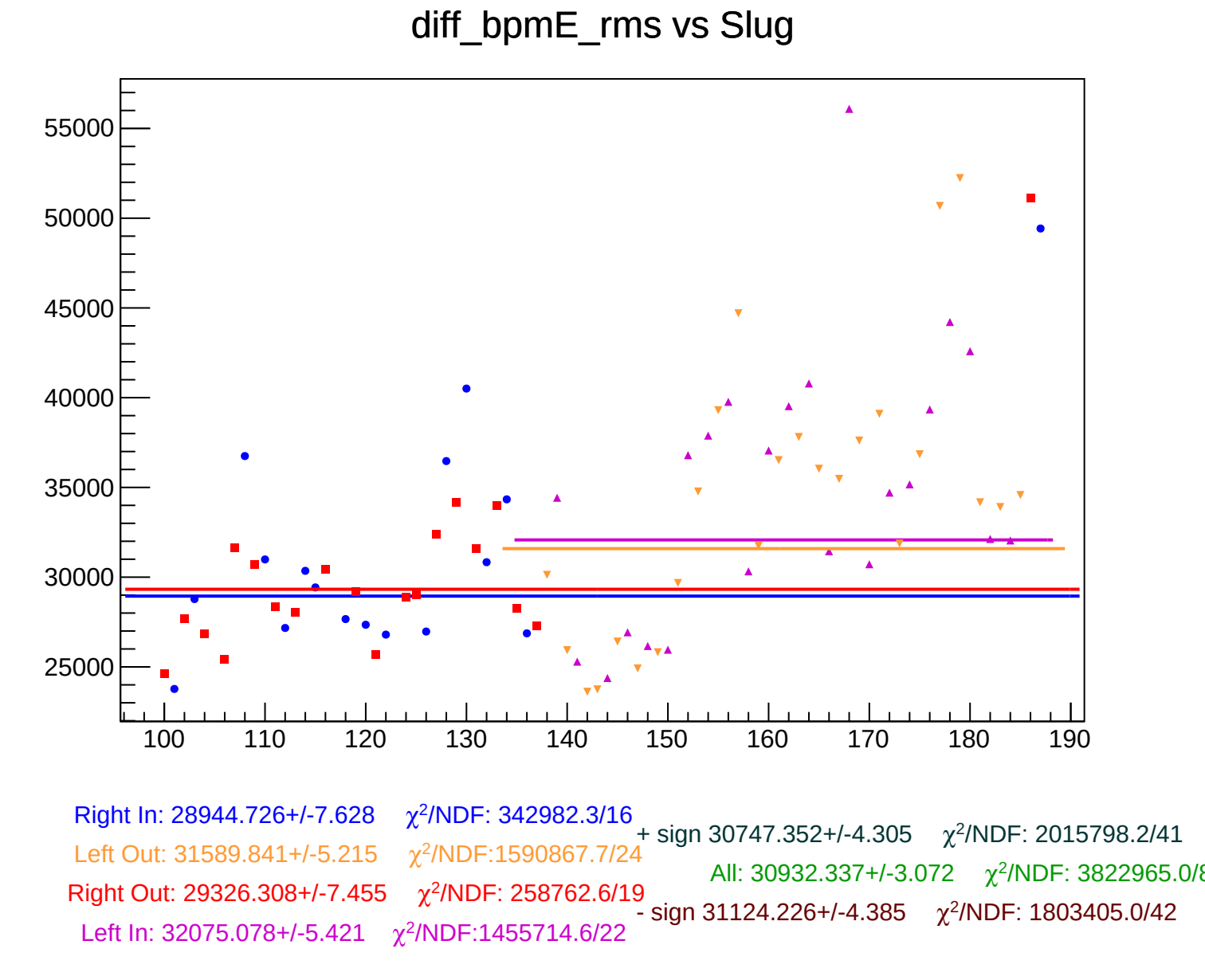
Right Out: 5.205+/-10.543 χ^2/NDF: 18.3/19

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

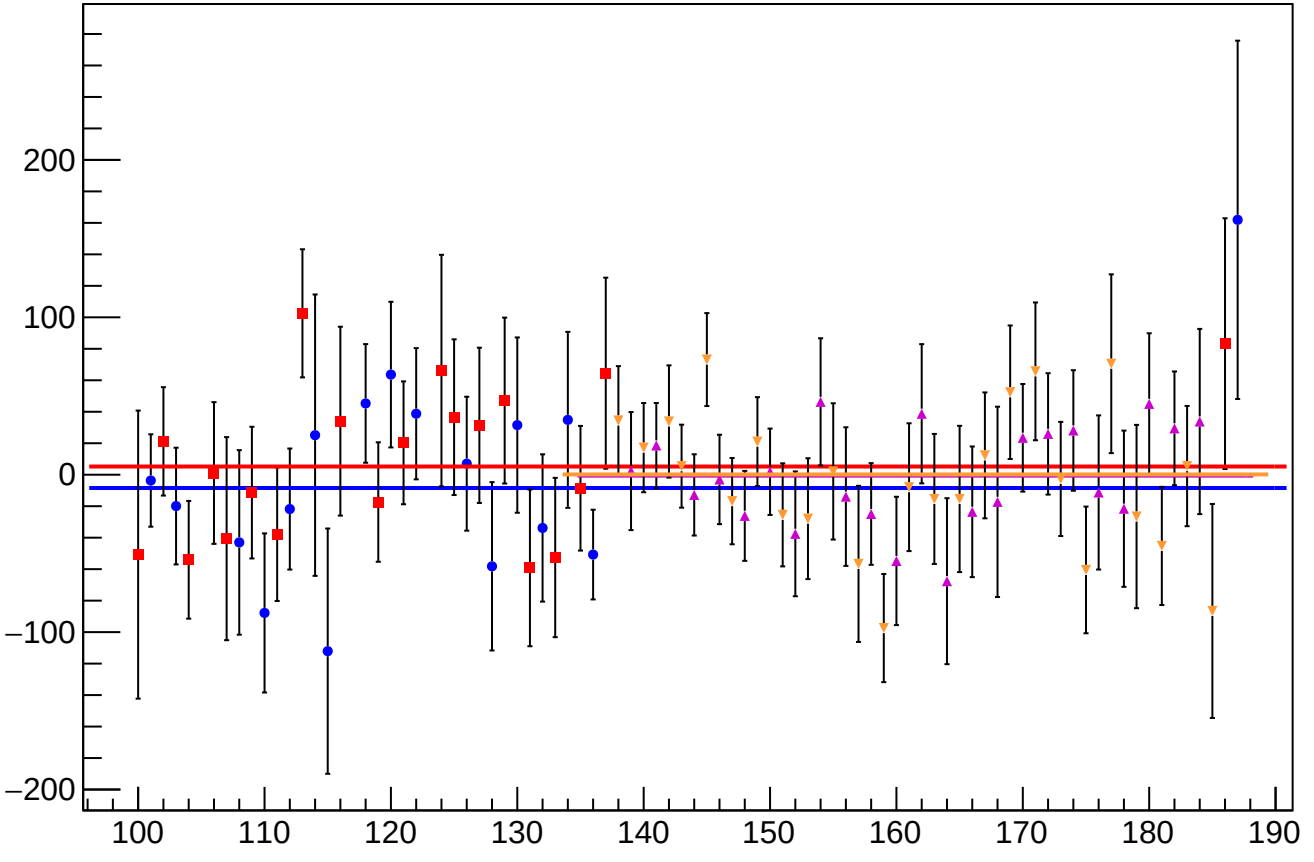
+ sign -2.569+/-6.088 χ^2/NDF: 49.1/41

All: -0.612+/-4.344 χ^2/NDF: 80.6/84

- sign 1.417+/-6.201 χ^2/NDF: 31.3/42


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
190
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 29326.308+/-7.455 χ²/NDF: 258762.6/19
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30747.352+/-4.305 χ²/NDF: 2015798.2/41
All: 30932.337+/-3.072 χ²/NDF: 3822965.0/8
- sign 31124.226+/-4.385 χ²/NDF: 1803405.0/42

diff_bpmEX_mean vs Slug



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

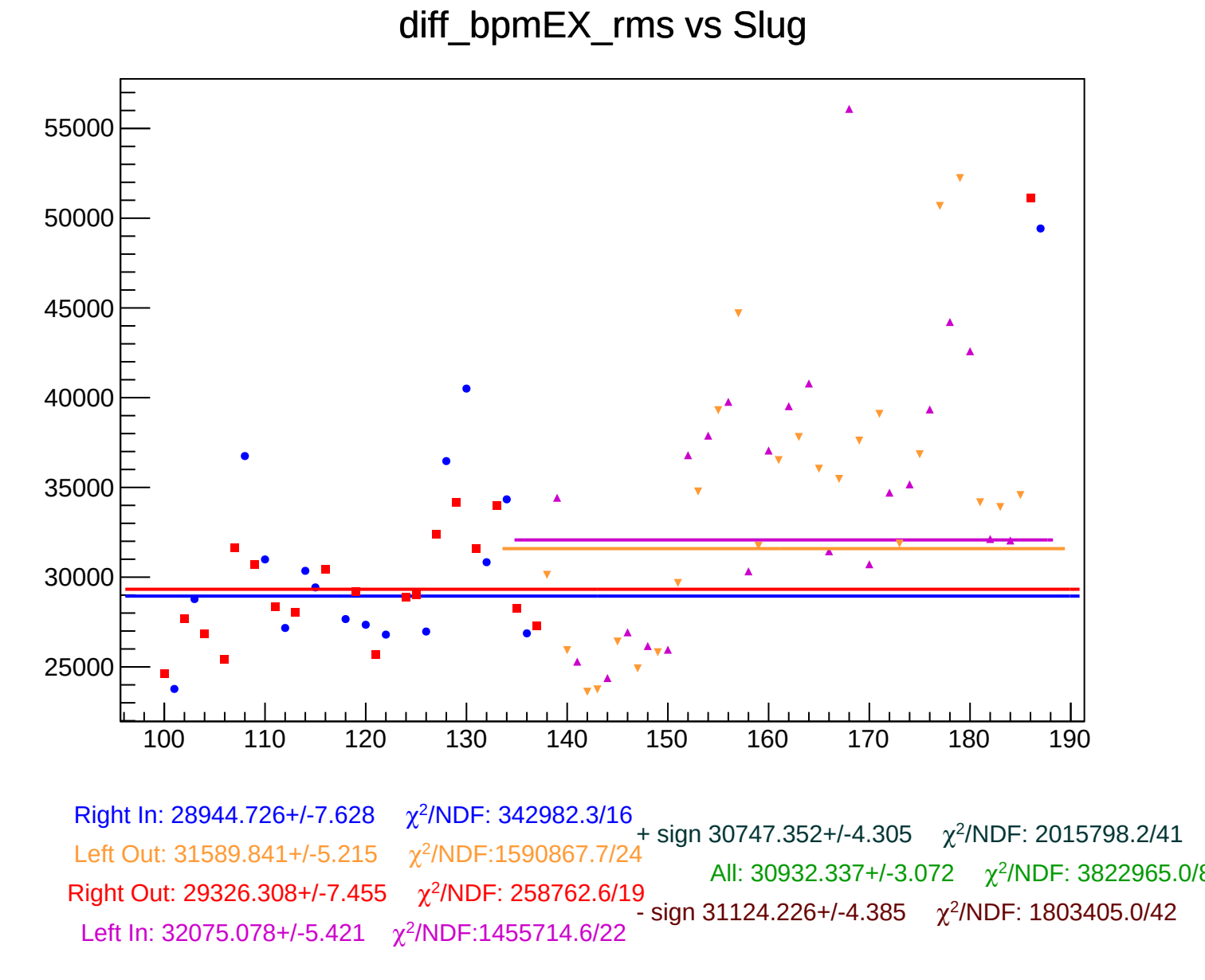
Right Out: 5.205+/-10.543 χ^2/NDF: 18.3/19

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

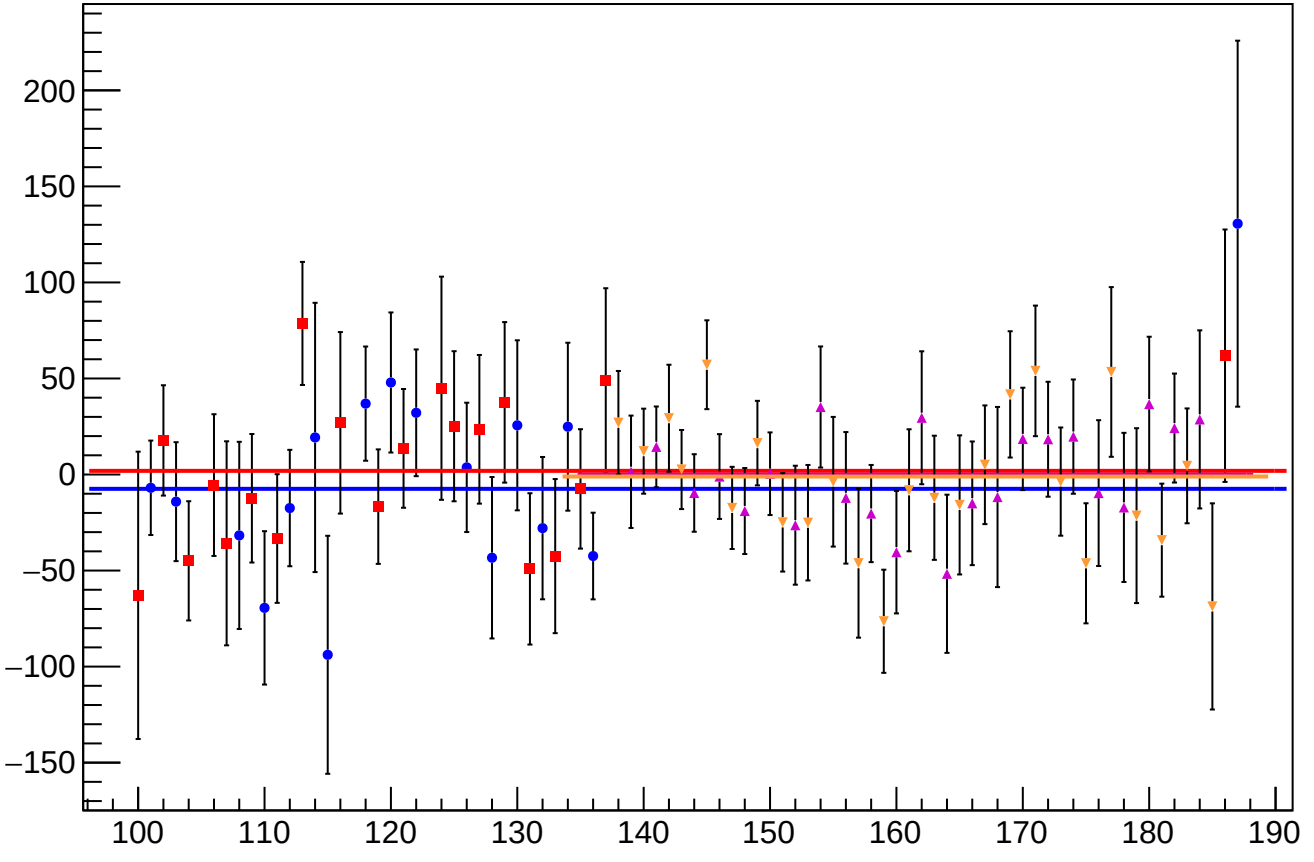
+ sign -2.569+/-6.088 χ^2/NDF: 49.1/41

All: -0.612+/-4.344 χ^2/NDF: 80.6/84

- sign 1.417+/-6.201 χ^2/NDF: 31.3/42


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
190
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 29326.308+/-7.455 χ²/NDF: 258762.6/19
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30747.352+/-4.305 χ²/NDF: 2015798.2/41
All: 30932.337+/-3.072 χ²/NDF: 3822965.0/8
- sign 31124.226+/-4.385 χ²/NDF: 1803405.0/42

diff_bpmE_11X12X_mean vs Slug



Right In: -7.454+/-8.643 χ^2/NDF: 17.6/16

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: 1.909+/-8.435 χ^2/NDF: 18.4/19

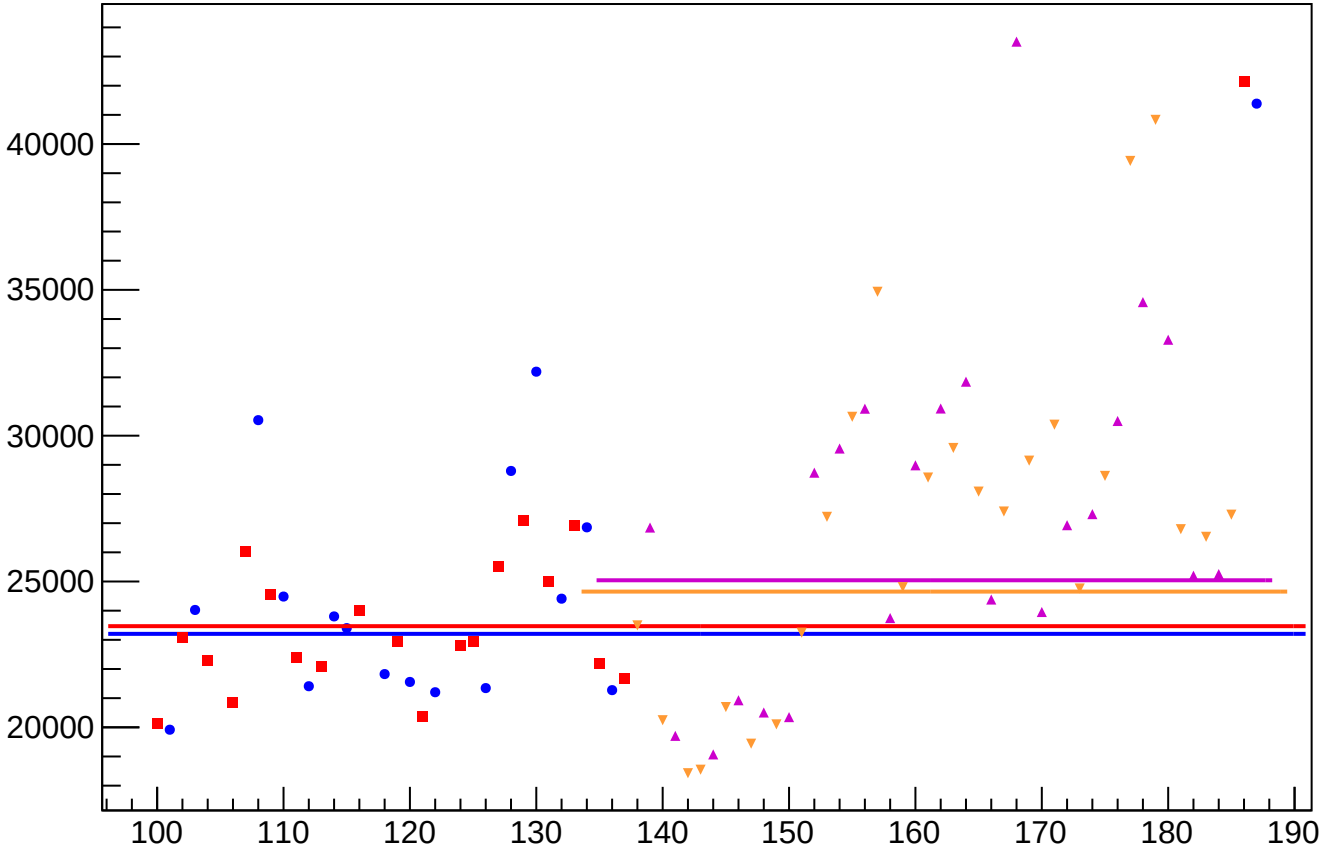
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -3.011+/-4.790 χ^2/NDF: 50.3/41

All: -1.268+/-3.419 χ^2/NDF: 81.2/84

- sign 0.542+/-4.881 χ^2/NDF: 30.6/42

diff_bpmE_11X12X_rms vs Slug



Right In: 23204.749+/-6.111 χ^2/NDF: 334870.5/16

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 23468.516+/-5.965 χ^2/NDF: 258483.5/19

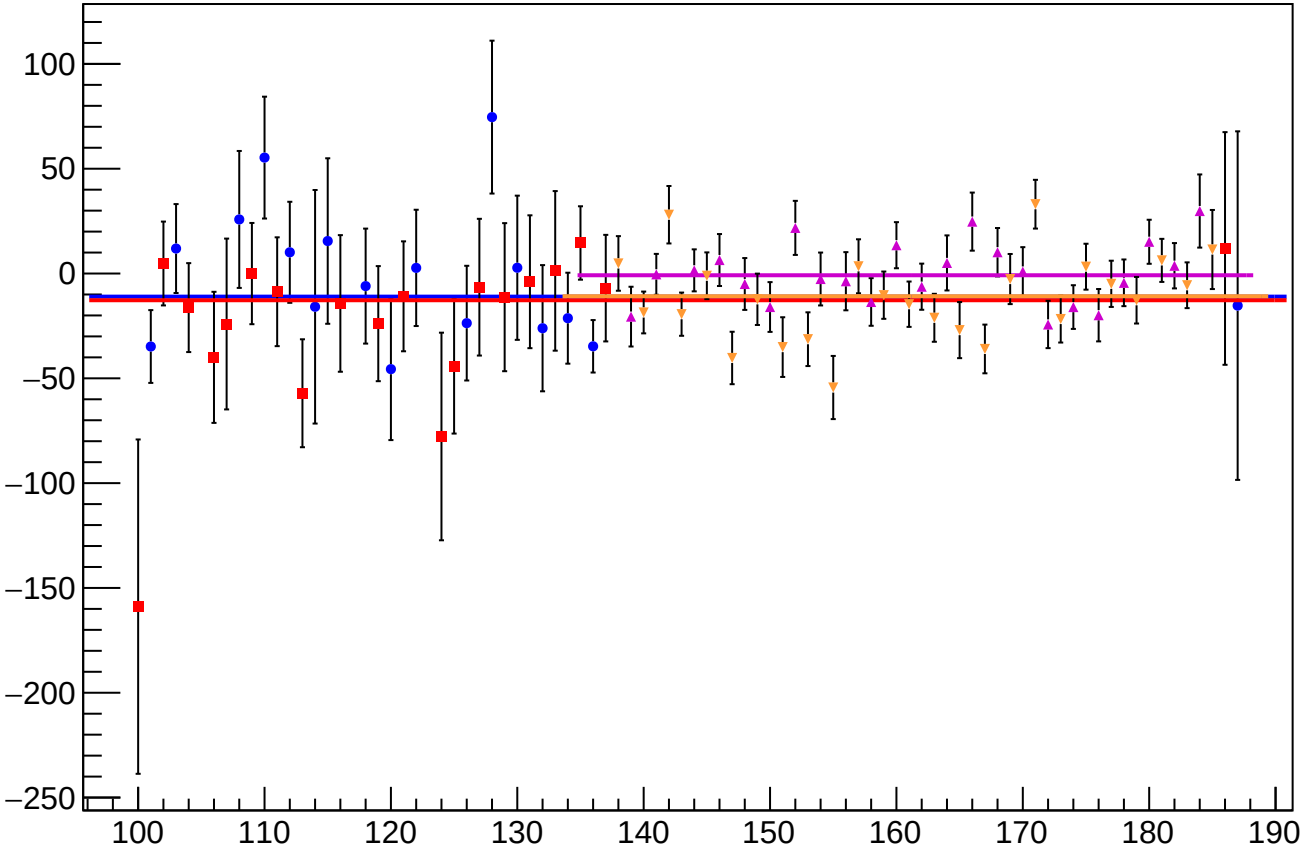
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 24208.852+/-3.387 χ^2/NDF: 1956544.3/41

All: 24359.123+/-2.417 χ^2/NDF: 3706970.4/8

- sign 24515.167+/-3.451 χ^2/NDF: 1746413.6/42

diff_bpm4aesumX_mean vs Slug



Right In: -11.026+/-6.138 χ^2/NDF: 22.0/16

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -12.744+/-6.340 χ^2/NDF: 14.1/19

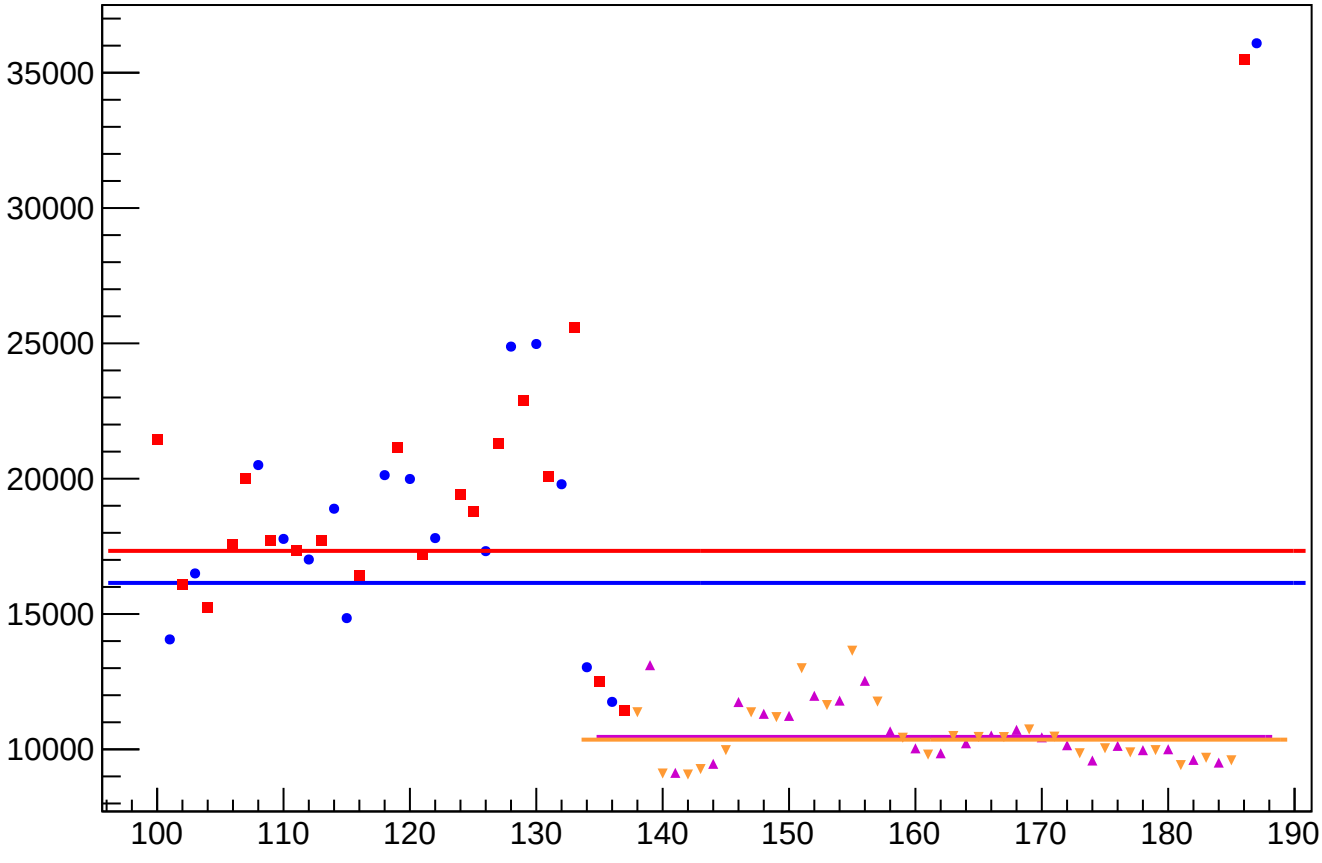
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -10.849+/-2.211 χ^2/NDF: 83.3/41

All: -6.766+/-1.591 χ^2/NDF: 136.9/84

- sign -2.383+/-2.291 χ^2/NDF: 46.5/42

diff_bpm4aesumX_rms vs Slug



Right In: 16149.322+/-4.340 χ^2/NDF: 838325.2/16

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 17332.697+/-4.483 χ^2/NDF: 752256.5/19

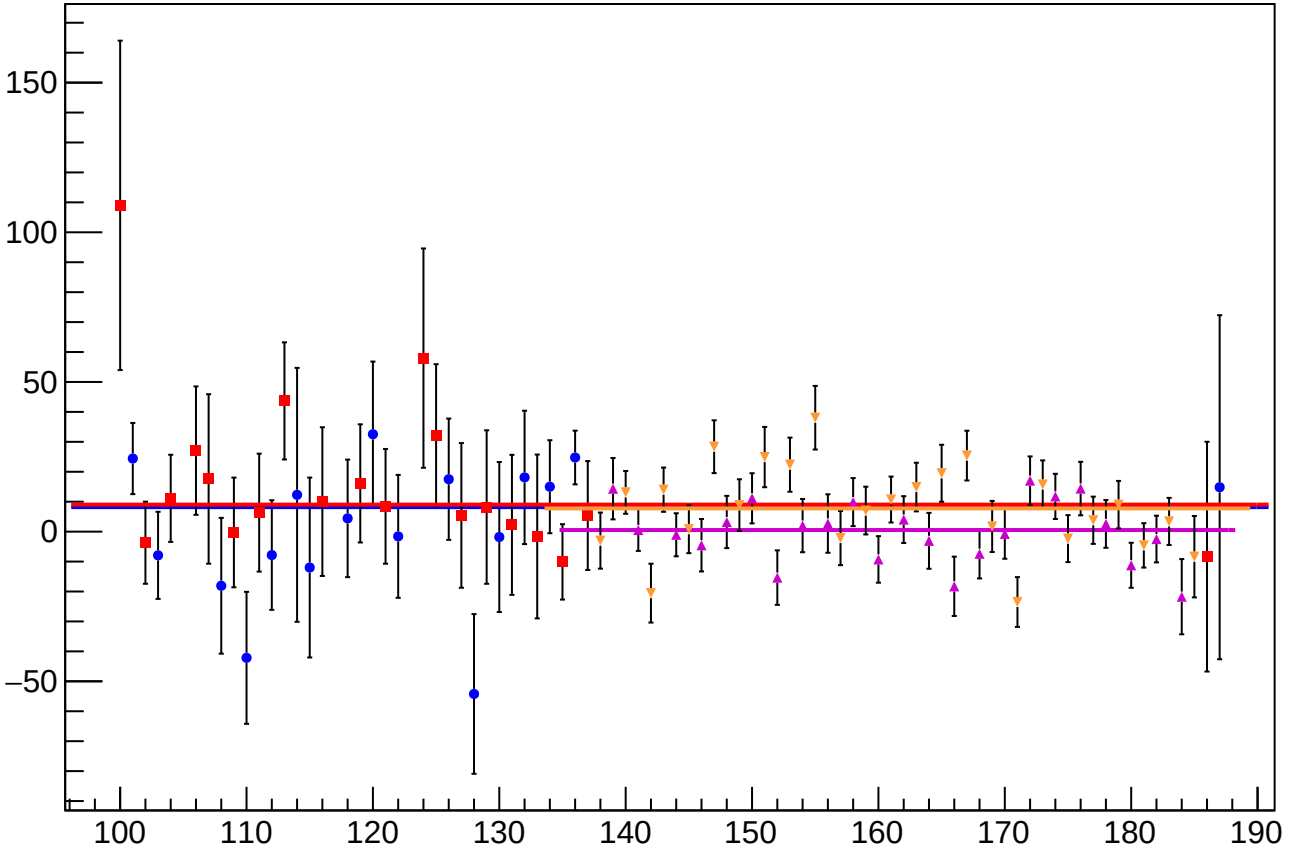
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11109.877+/-1.564 χ^2/NDF: 2750552.7/41

All: 11228.858+/-1.125 χ^2/NDF: 5873263.4/8

- sign 11356.583+/-1.620 χ^2/NDF: 3110703.8/42

diff_bpm4aediffX_mean vs Slug



Right In: 8.189+/-4.410 χ^2/NDF: 21.8/16

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 9.019+/-4.574 χ^2/NDF: 14.1/19

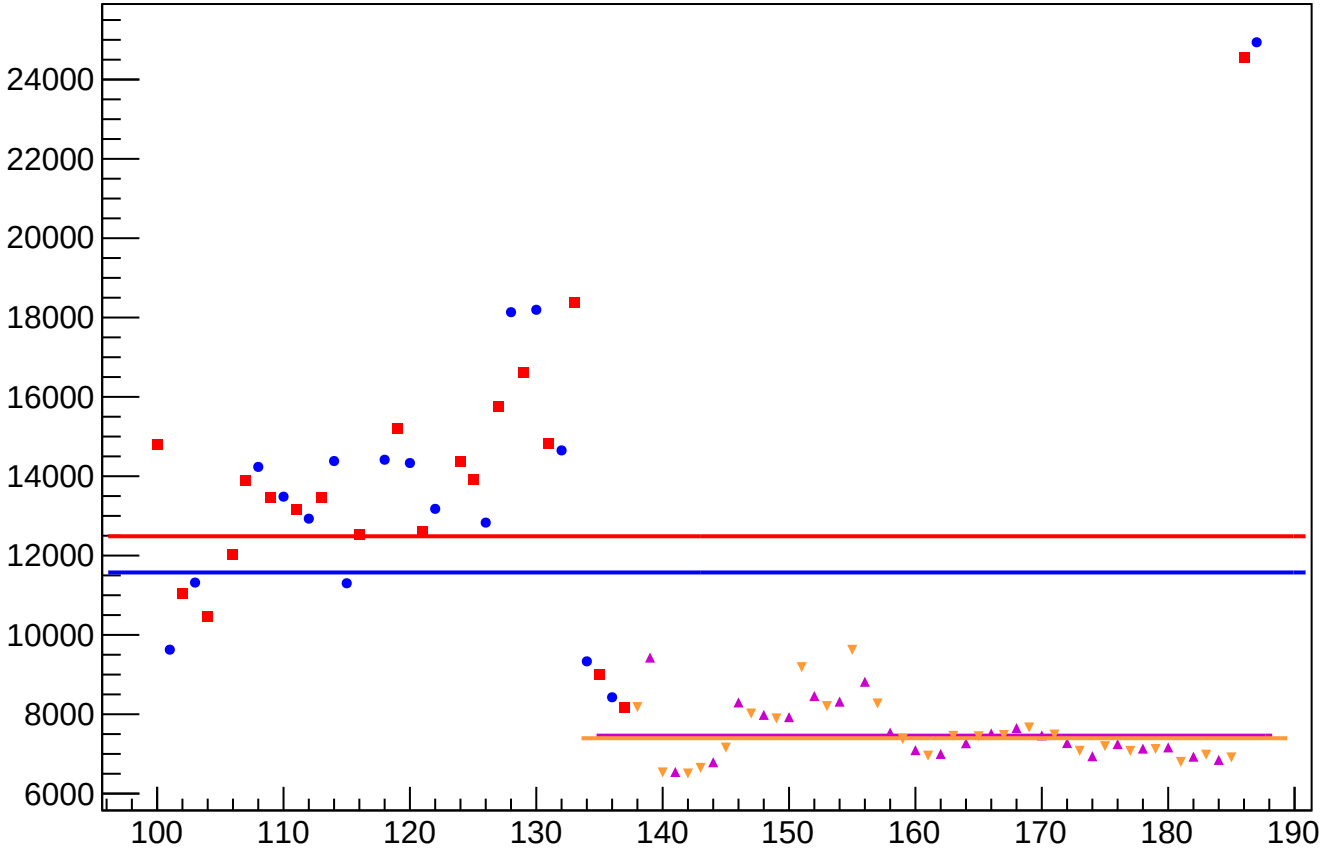
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.818+/-1.579 χ^2/NDF: 82.8/41

All: 4.827+/-1.136 χ^2/NDF: 136.7/84

- sign 1.617+/-1.636 χ^2/NDF: 46.5/42

diff_bpm4aediffX_rms vs Slug



Right In: 11574.110+/-3.118 χ^2/NDF: 898770.6/16

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

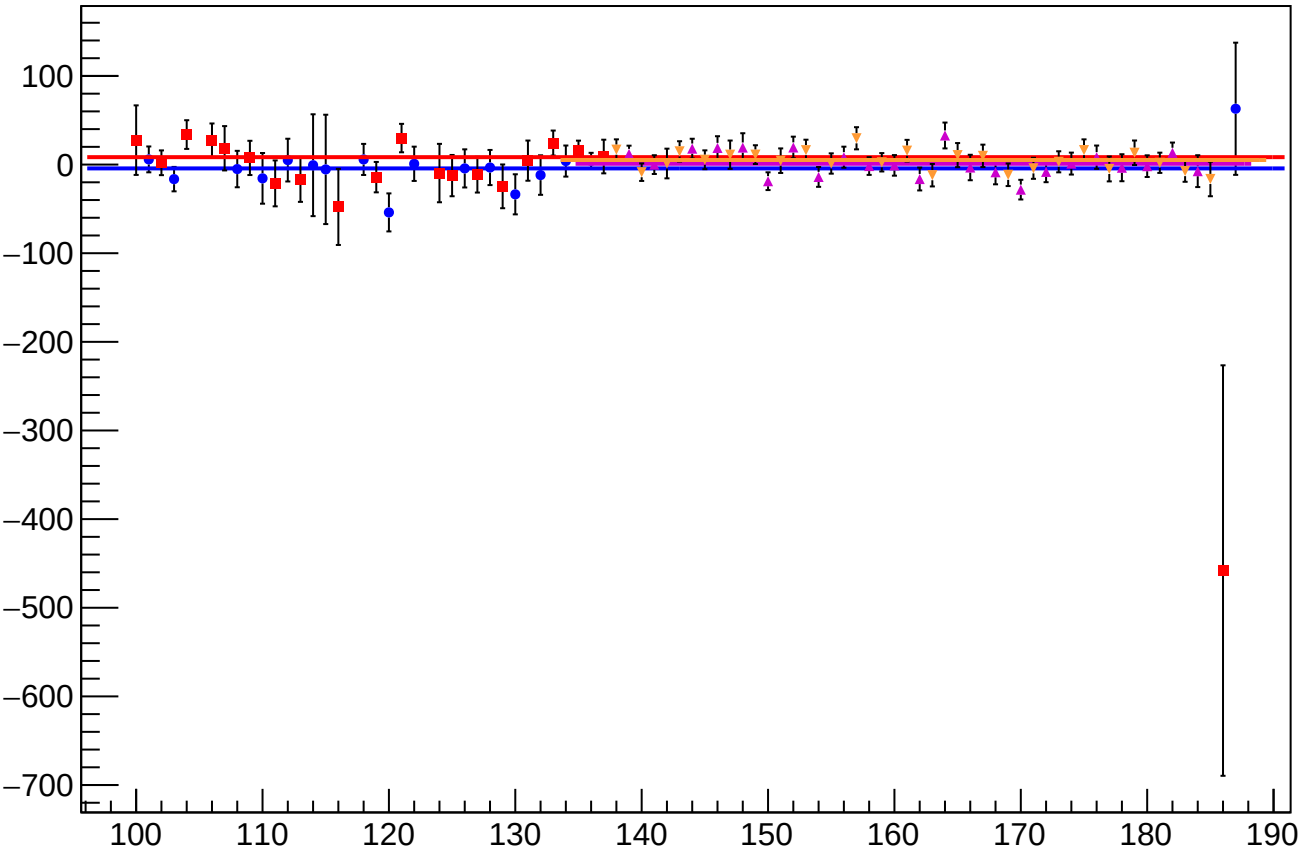
Right Out: 12486.424+/-3.235 χ^2/NDF: 799237.4/19

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 7931.579+/-1.117 χ^2/NDF: 2788580.8/41

All: 8014.606+/-0.803 χ^2/NDF: 5988568.2/84

- sign 8103.711+/-1.157 χ^2/NDF: 3188527.2/42



Right In: -4.327+/-4.546 χ^2/NDF: 11.1/16

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 8.370+/-4.391 χ^2/NDF: 21.2/19

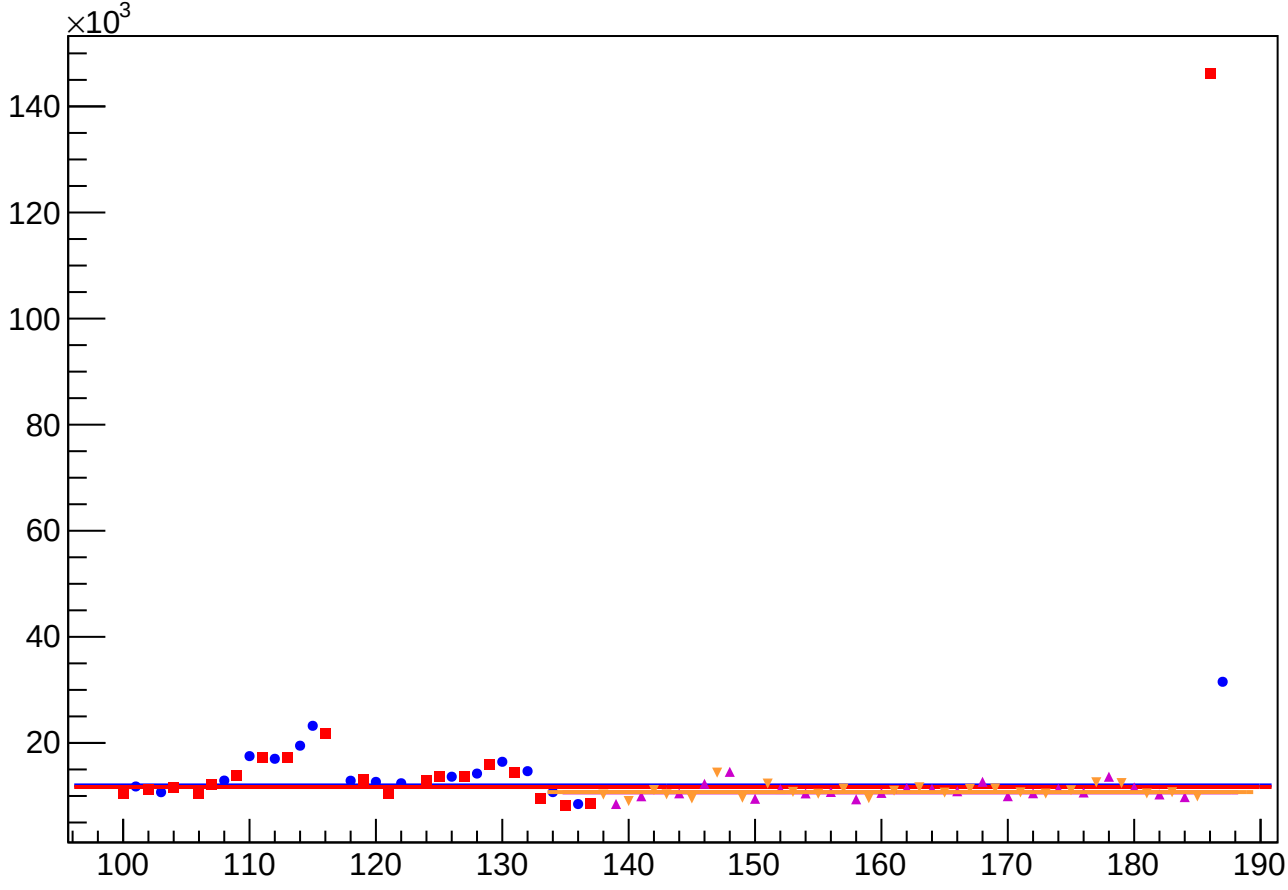
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.026+/-2.163 χ^2/NDF: 32.8/41

All: 2.885+/-1.537 χ^2/NDF: 88.1/84

- sign 2.742+/-2.185 χ^2/NDF: 55.2/42

diff_bpm4aesumY_rms vs Slug



Right In: 11989.239+/-3.214 χ^2/NDF: 887620.8/16

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 11692.018+/-3.105 χ^2/NDF: 1465443.2/19

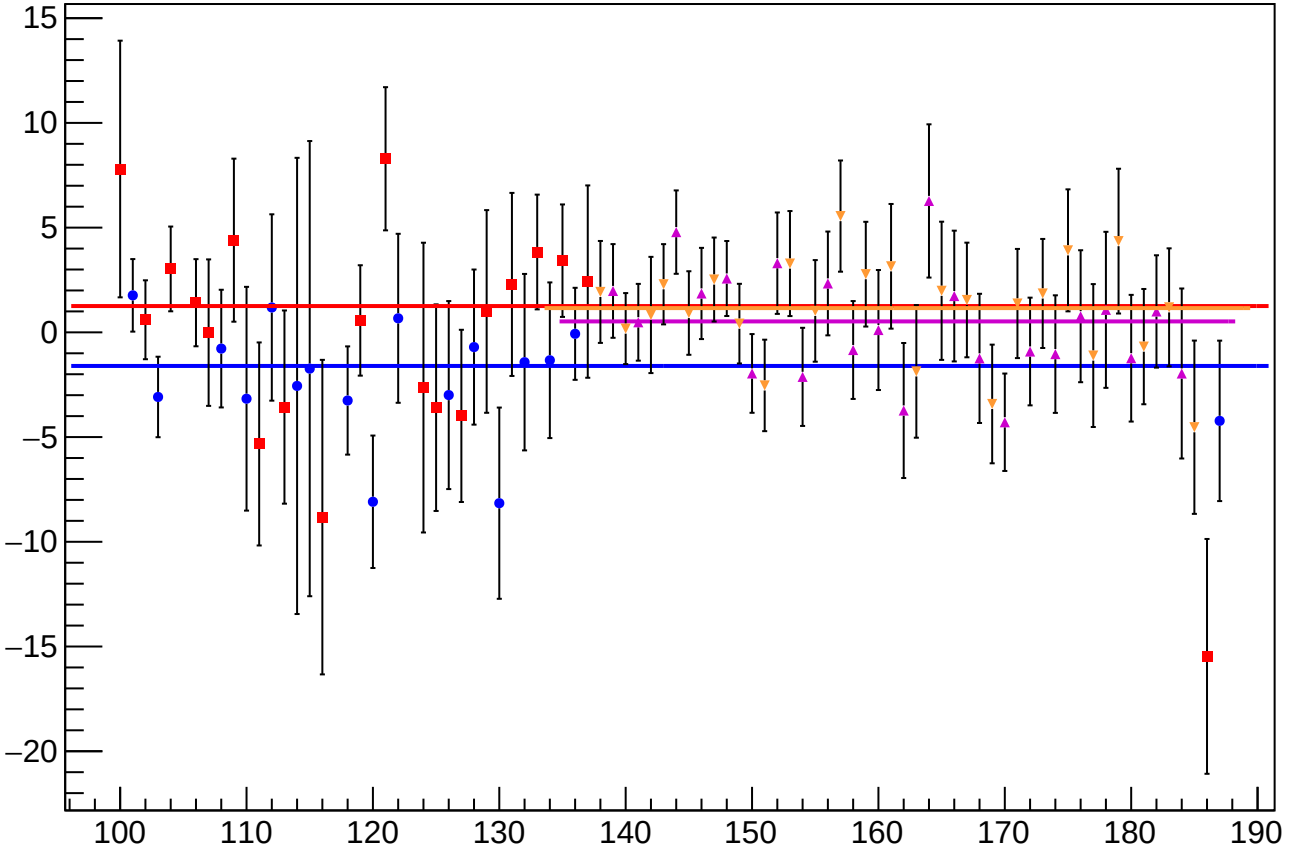
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 11017.941+/-1.529 χ^2/NDF: 1373938.7/41

All: 10973.589+/-1.087 χ^2/NDF: 3422032.0/8

- sign 10928.330+/-1.545 χ^2/NDF: 2046393.9/42

diff_bpm4aediffY_mean vs Slug



Right In: -1.604+/-0.763 χ^2/NDF: 13.1/16

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 1.256+/-0.738 χ^2/NDF: 25.3/19

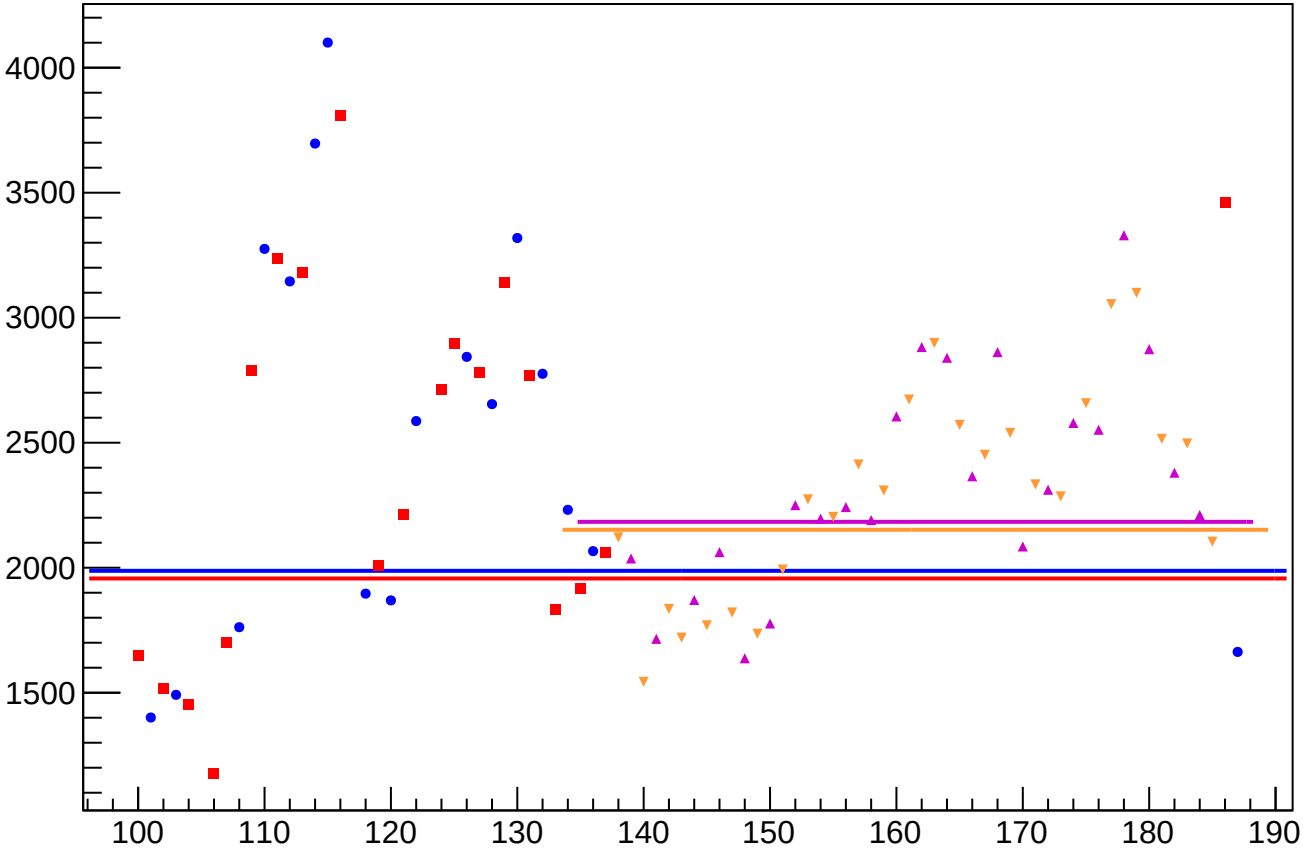
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.327+/-0.418 χ^2/NDF: 39.1/41

All: 0.543+/-0.298 χ^2/NDF: 87.9/84

- sign 0.765+/-0.425 χ^2/NDF: 48.3/42

diff_bpm4aediffY_rms vs Slug



Right In: 1987.608+/-0.539 χ^2/NDF: 1204720.3/16

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

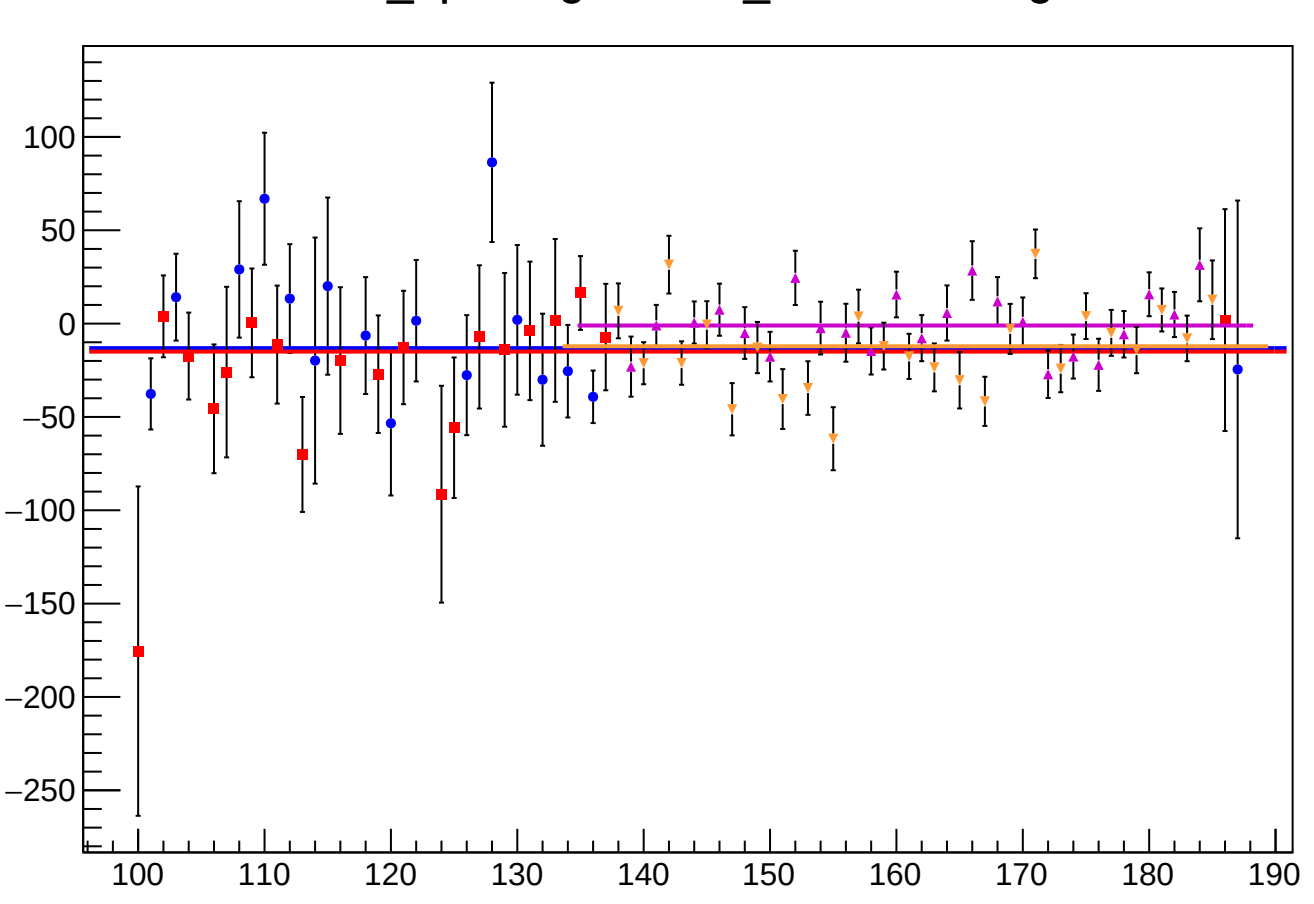
Right Out: 1956.950+/-0.522 χ^2/NDF: 1549923.1/19

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 2102.394+/-0.296 χ^2/NDF: 2619046.3/41

All: 2105.329+/-0.211 χ^2/NDF: 5457371.0/84

- sign 2108.359+/-0.301 χ^2/NDF: 2838124.5/42



Right In: -13.135+/-7.005 χ^2/NDF: 21.9/16

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -14.996+/-7.266 χ^2/NDF: 14.4/19

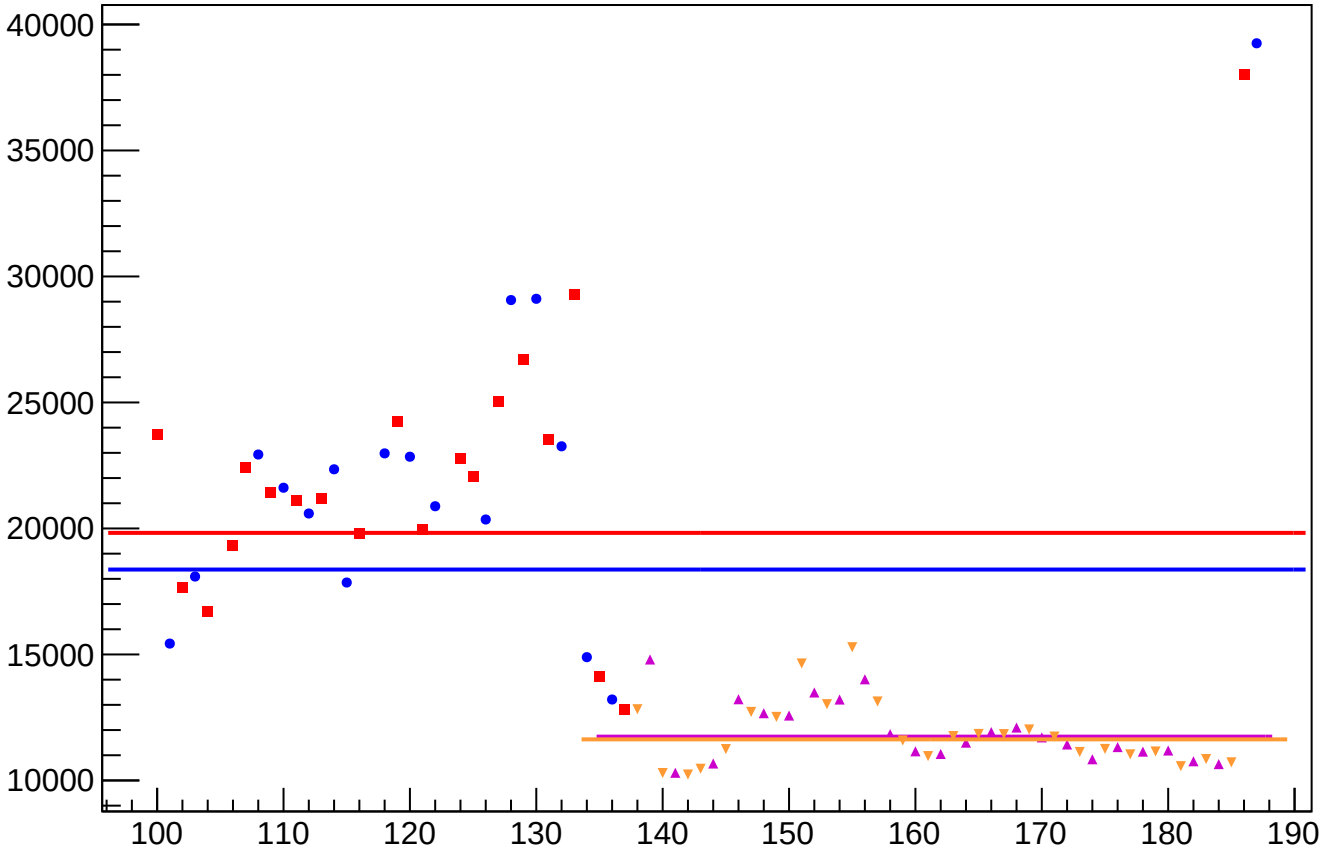
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.261+/-2.488 χ^2/NDF: 84.5/41

All: -7.691+/-1.790 χ^2/NDF: 138.0/84

- sign -2.783+/-2.578 χ^2/NDF: 46.5/42

diff_bpmtargetsumX_rms vs Slug



Right In: 18369.336+/-4.953 χ^2/NDF: 927065.8/16

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 19824.616+/-5.138 χ^2/NDF: 812168.2/19

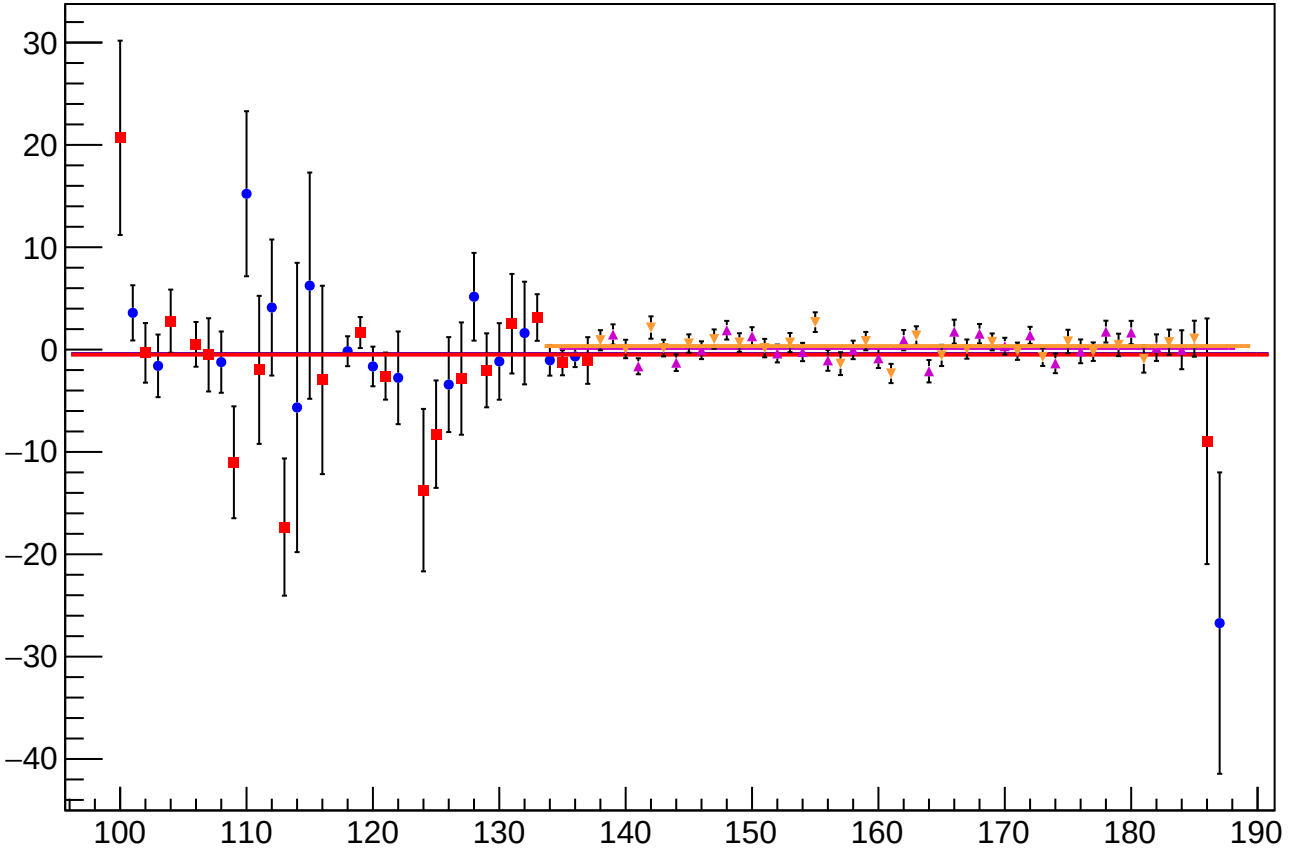
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 12480.030+/-1.759 χ^2/NDF: 2900597.1/41

All: 12613.318+/-1.266 χ^2/NDF: 6203525.7/8

- sign 12756.477+/-1.823 χ^2/NDF: 3291020.2/42

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.438+/-0.600 χ^2/NDF: 13.6/16

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.488+/-0.633 χ^2/NDF: 28.5/19

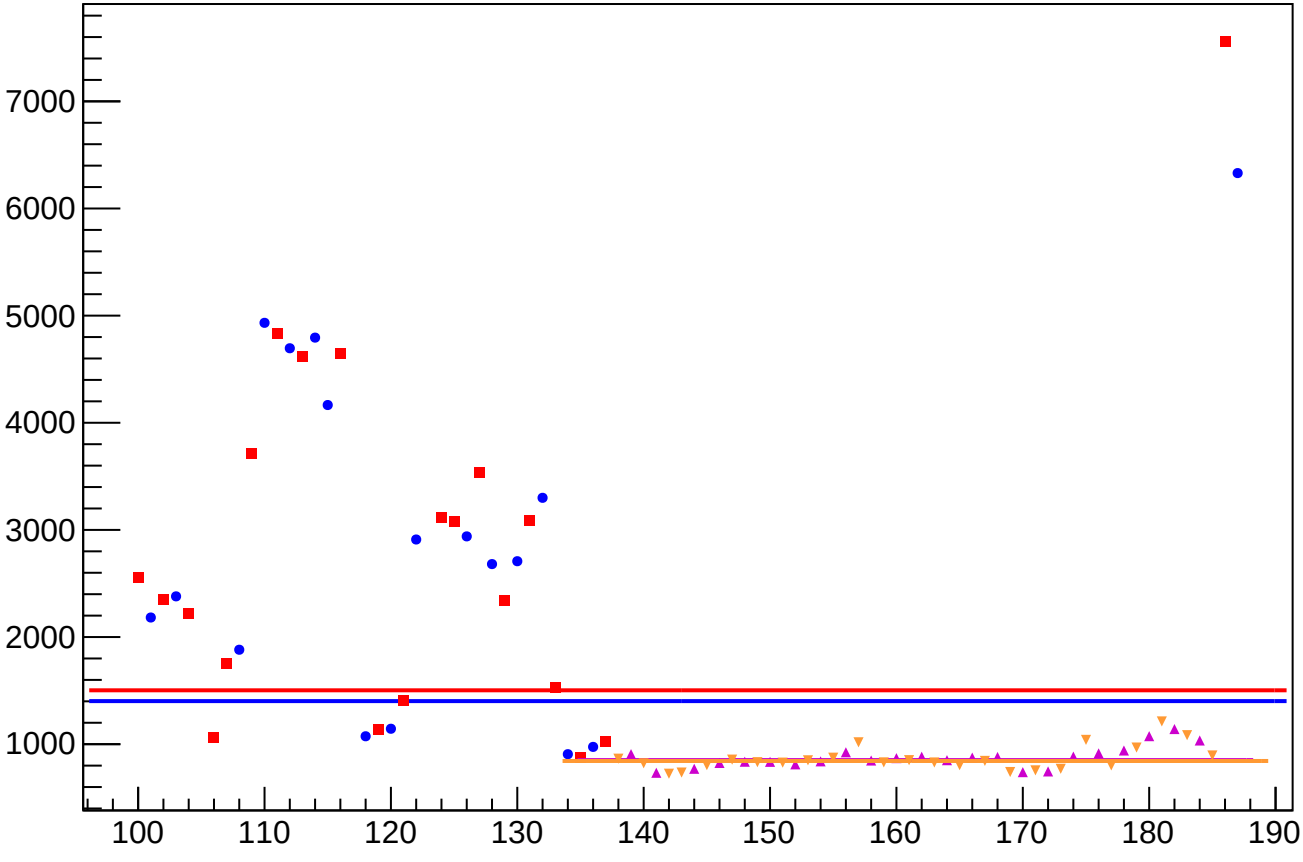
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.269+/-0.184 χ^2/NDF: 41.9/41

All: 0.190+/-0.133 χ^2/NDF: 108.1/84

- sign 0.105+/-0.191 χ^2/NDF: 65.9/42

diff_bpmtargetdiffX_rms vs Slug



Right In: 1402.100+/-0.424 χ^2/NDF: 3605474.1/16

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1502.887+/-0.448 χ^2/NDF: 3909166.8/19

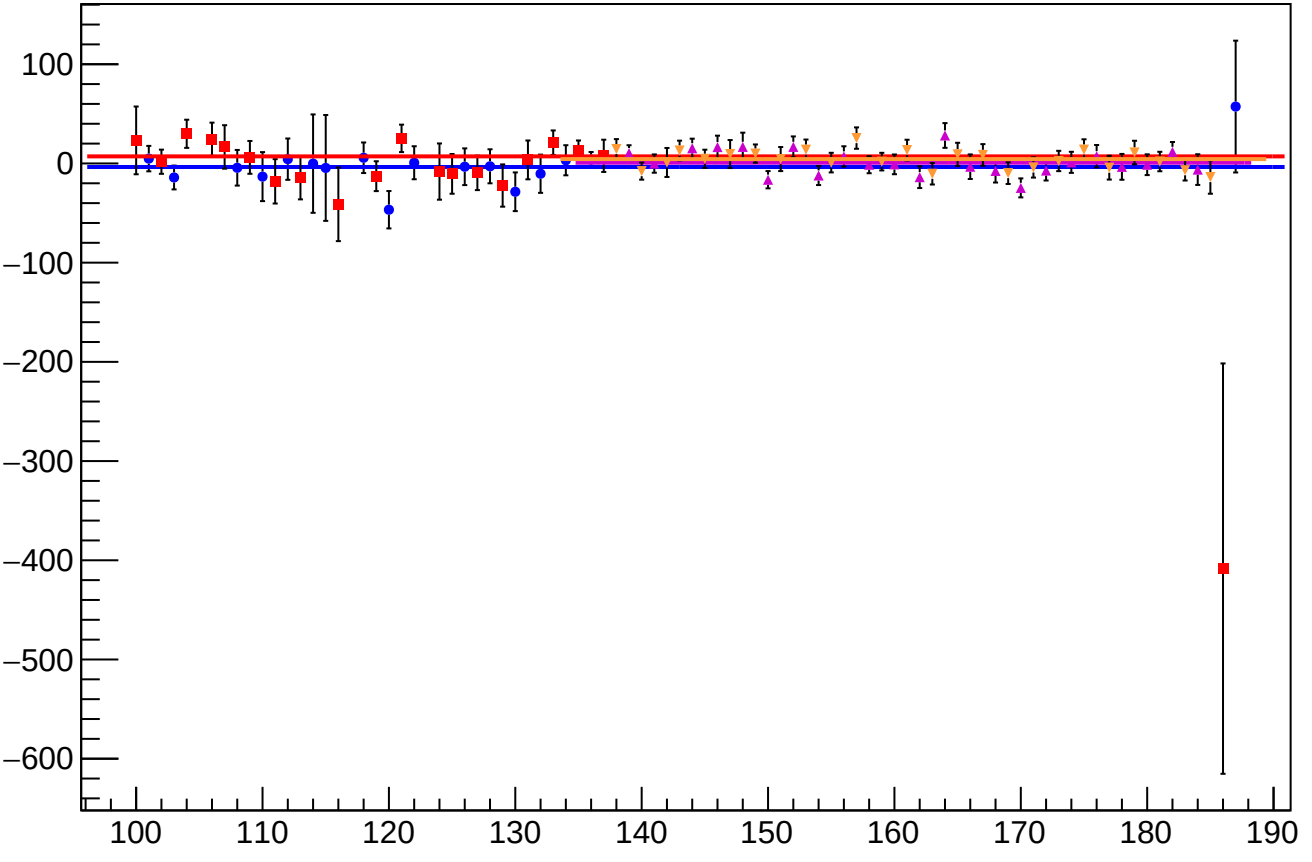
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 896.098+/-0.130 χ^2/NDF: 5683445.6/41

All: 903.362+/-0.094 χ^2/NDF: 11904921.9/84

- sign 911.195+/-0.135 χ^2/NDF: 6215024.3/42

diff_bpmtargetsumY_mean vs Slug



Right In: -3.580+/-3.936 χ^2/NDF: 10.9/16

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

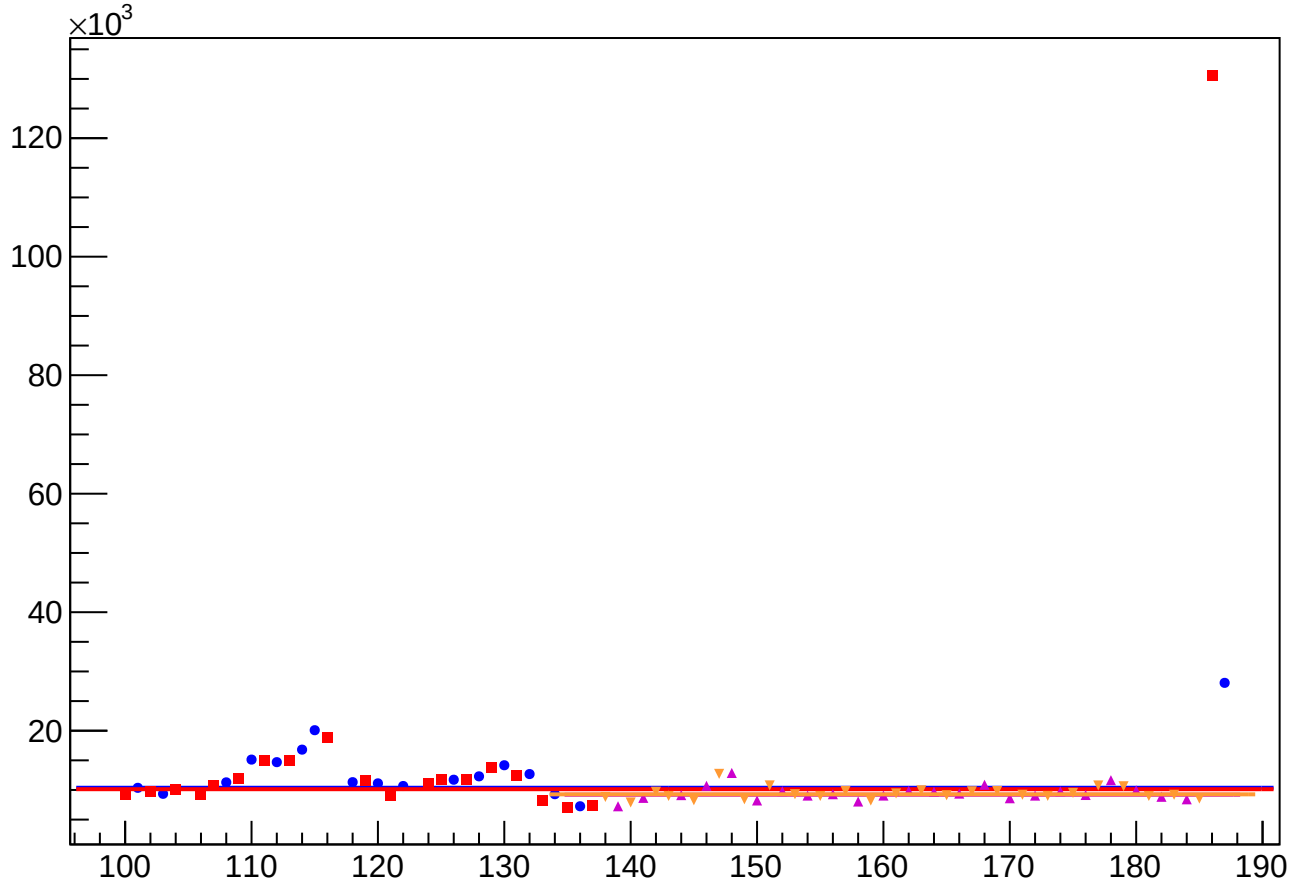
Right Out: 7.123+/-3.806 χ^2/NDF: 21.3/19

Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 2.590+/-1.868 χ^2/NDF: 32.7/41

All: 2.447+/-1.327 χ^2/NDF: 88.1/84

- sign 2.302+/-1.886 χ^2/NDF: 55.4/42



Right In: 10372.341+/-2.783 χ^2/NDF: 913076.2/16

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 10130.396+/-2.691 χ^2/NDF: 1471337.7/19

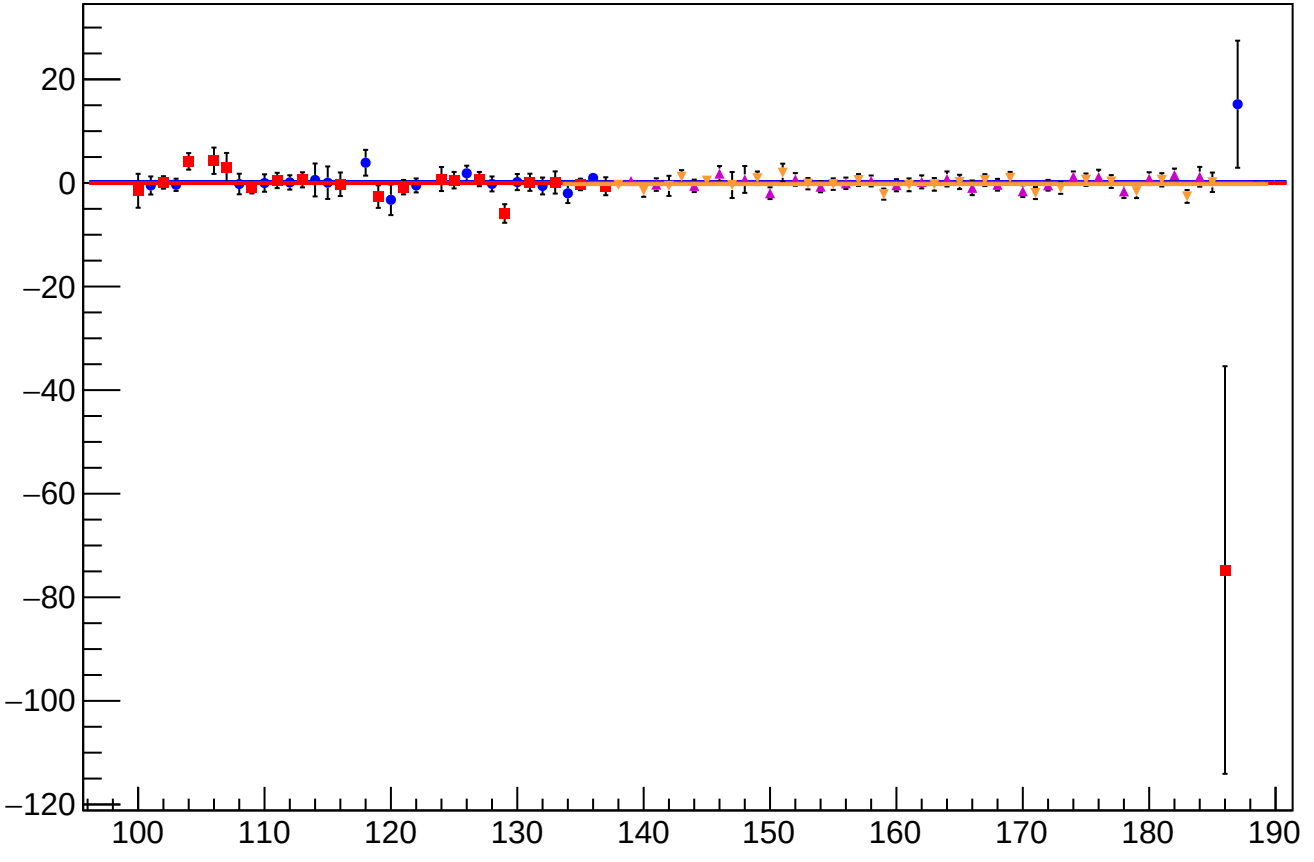
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9511.612+/-1.321 χ^2/NDF: 1402568.6/41

All: 9470.192+/-0.938 χ^2/NDF: 3481651.3/84

- sign 9427.972+/-1.333 χ^2/NDF: 2077096.3/42

diff_bpmtargetdiffY_mean vs Slug



Right In: 0.180+/-0.386 χ^2/NDF: 9.6/16

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.024+/-0.372 χ^2/NDF: 28.8/19

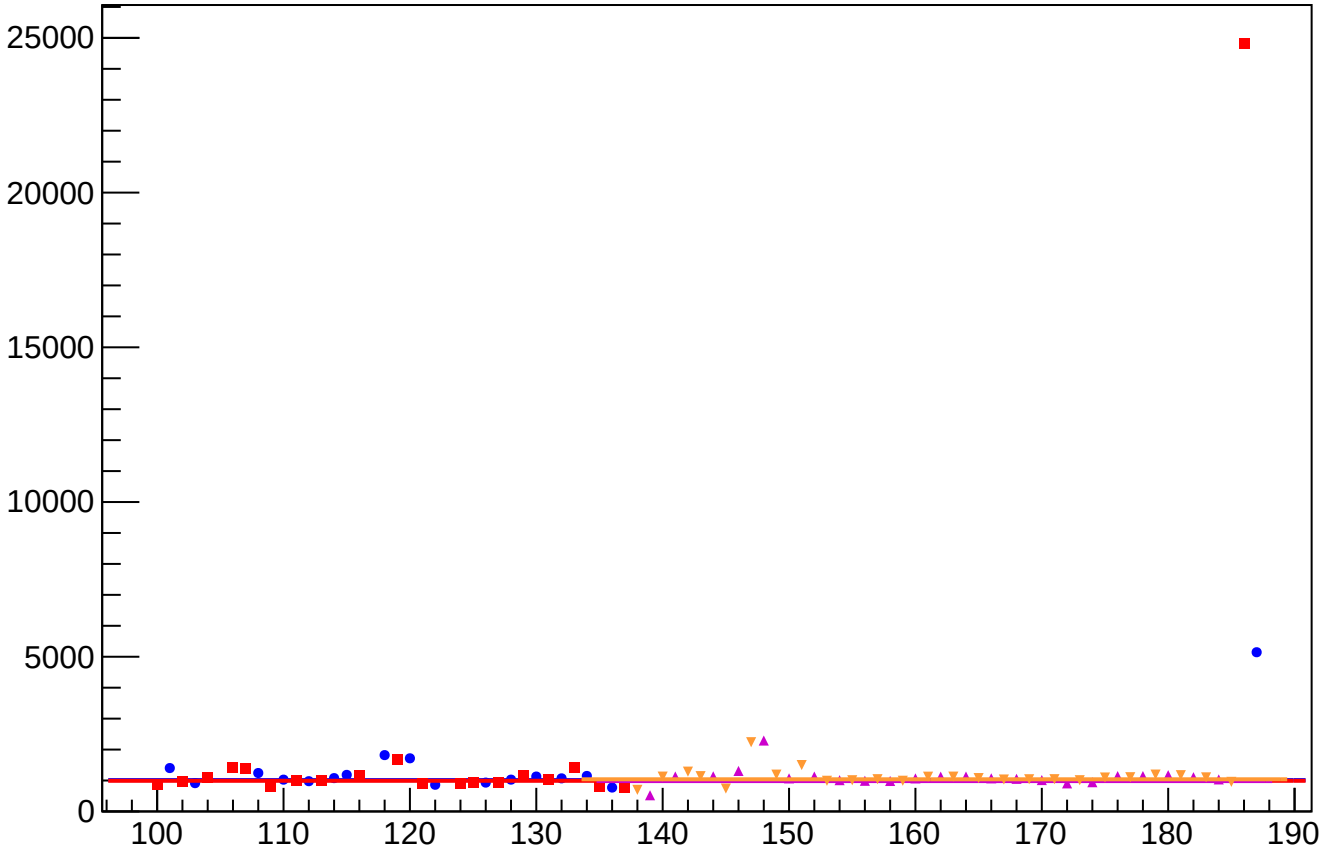
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.113+/-0.206 χ^2/NDF: 29.4/41

All: -0.050+/-0.144 χ^2/NDF: 73.6/84

- sign 0.011+/-0.201 χ^2/NDF: 44.0/42

diff_bpmtargetdiffY_rms vs Slug



Right In: 1013.318+/-0.273 χ^2/NDF: 926400.7/16

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

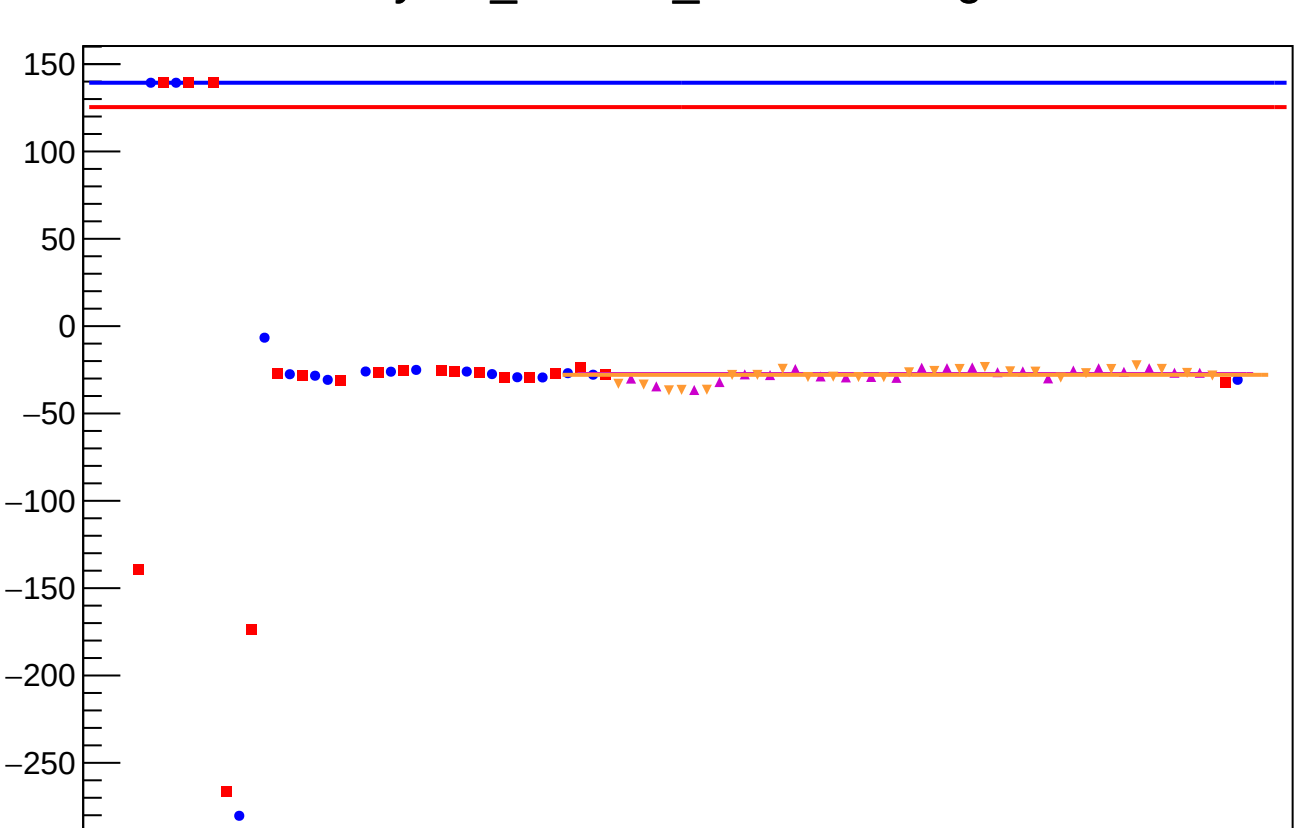
Right Out: 991.379+/-0.263 χ^2/NDF: 1309305.0/19

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

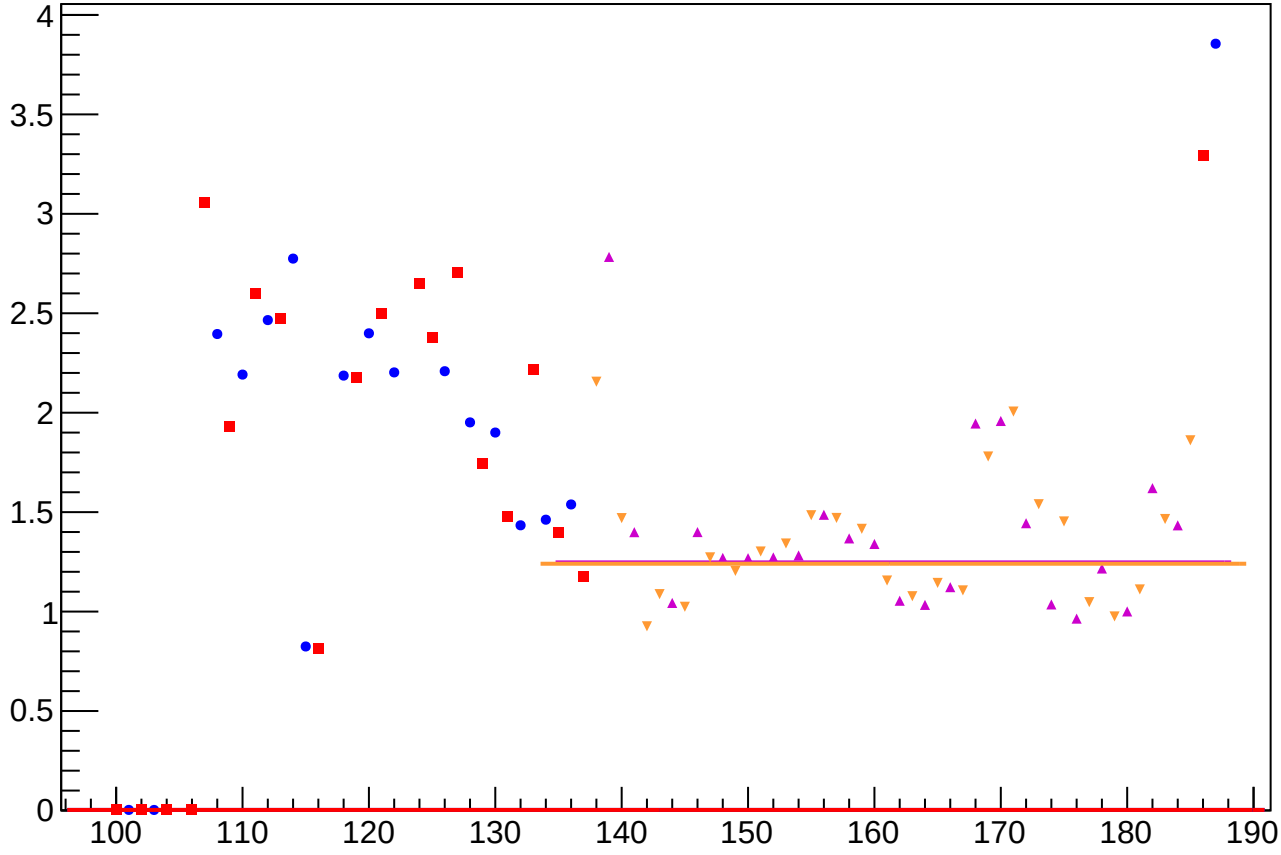
+ sign 1032.000+/-0.146 χ^2/NDF: 2272692.2/41

All: 1007.703+/-0.102 χ^2/NDF: 5862481.8/84

- sign 984.511+/-0.142 χ^2/NDF: 3535361.3/42


yield_cav4bX_mean vs Slug
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
170
180
190
Right In: 139.337+/-0.000 χ²/NDF: 47418693499.1/16
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.392+/-0.000 χ²/NDF: 774174001205560.9/19
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
+ sign 139.328+/-0.000 χ²/NDF: 321962498415.9/4
All: 131.810+/-0.000 χ²/NDF: 79348867065
- sign 125.385+/-0.000 χ²/NDF: 774387654792580

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9905001.9/16

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

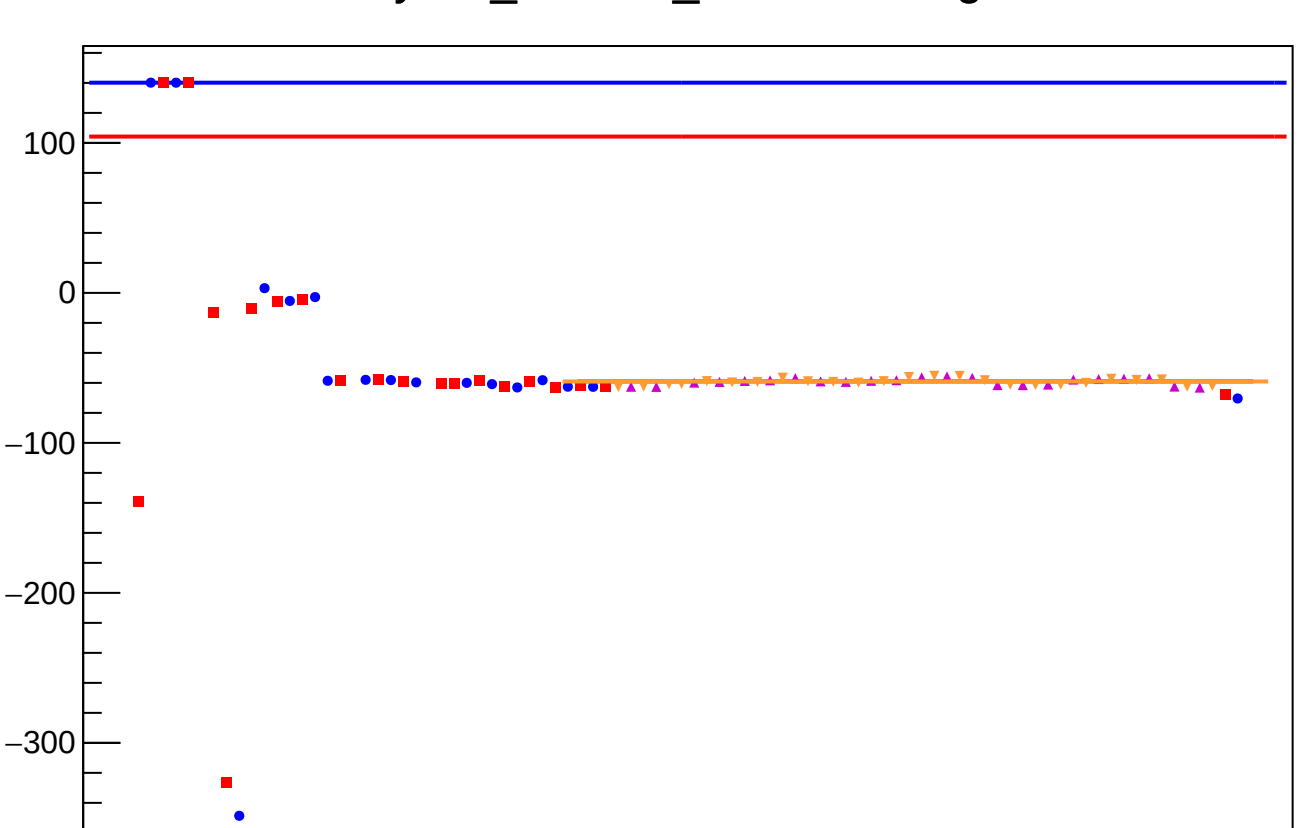
Right Out: 0.003+/-0.000 χ^2/NDF: 10498573.8/19

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 41203645.4/41

All: 0.003+/-0.000 χ^2/NDF: 81469945.9/84

- sign 0.003+/-0.000 χ^2/NDF: 40265926.1/42



Right In: 140.143+/-0.000 χ^2/NDF: 188323893433.1/16

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.224+/-0.000 χ^2/NDF: 1257402033372511.8/19

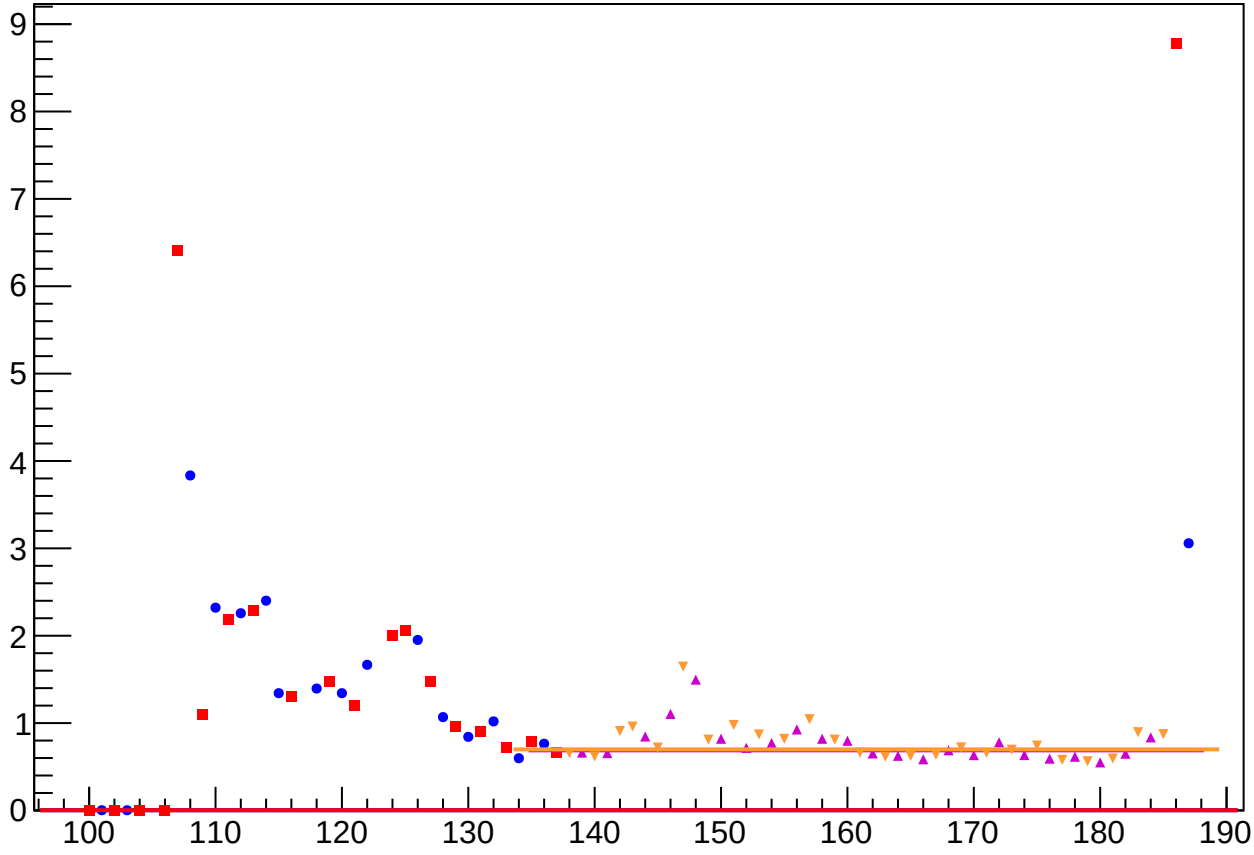
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.107+/-0.000 χ^2/NDF: 1485514856617.3

All: 120.801+/-0.000 χ^2/NDF: 13829947881

- sign 104.199+/-0.000 χ^2/NDF: 125825909831959

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10941922.3/16

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

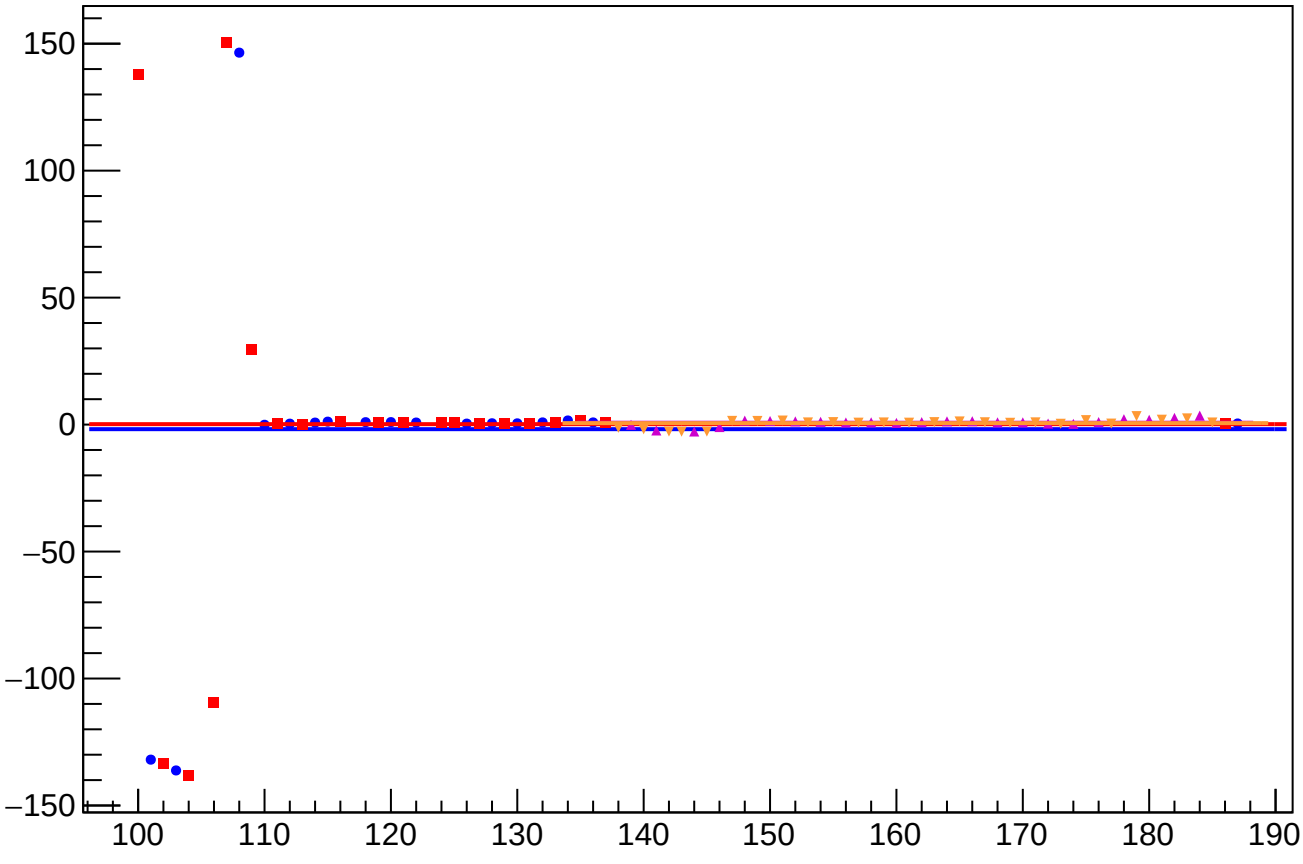
Right Out: 0.003+/-0.000 χ^2/NDF: 11051642.8/19

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 43996265.6/41

All: 0.003+/-0.000 χ^2/NDF: 86359020.3/84

- sign 0.003+/-0.000 χ^2/NDF: 42362188.1/42



Right In: -1.804+/-0.000 χ^2/NDF: 9887686836.5/16

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.168+/-0.000 χ^2/NDF: 3611251987.1/19

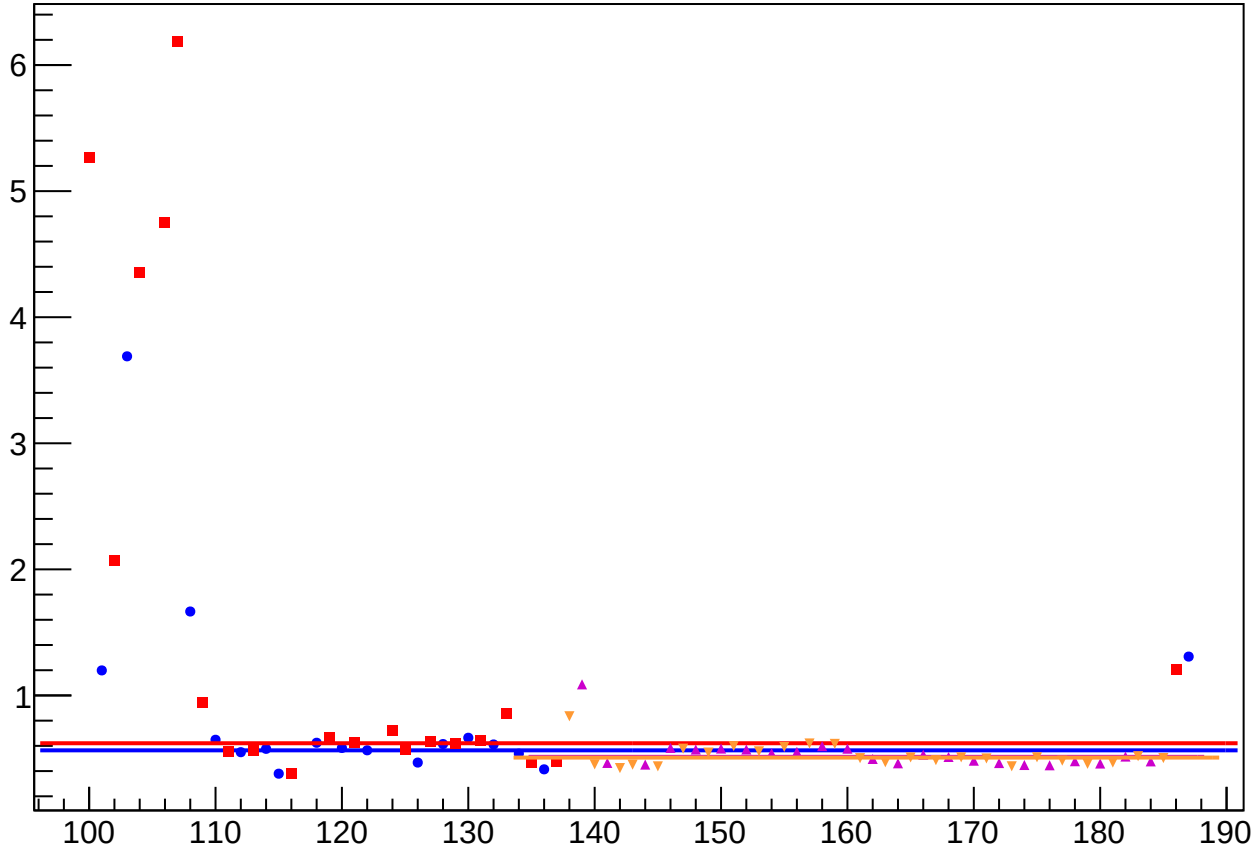
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.074+/-0.000 χ^2/NDF: 10114554385.1/41

All: 0.334+/-0.000 χ^2/NDF: 13845416716.3/8

- sign 0.622+/-0.000 χ^2/NDF: 3719882769.5/42

yield_cav4cX_rms vs Slug



Right In: 0.564+/-0.000 χ^2/NDF: 1711187.4/16

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.621+/-0.000 χ^2/NDF: 2658549.2/19

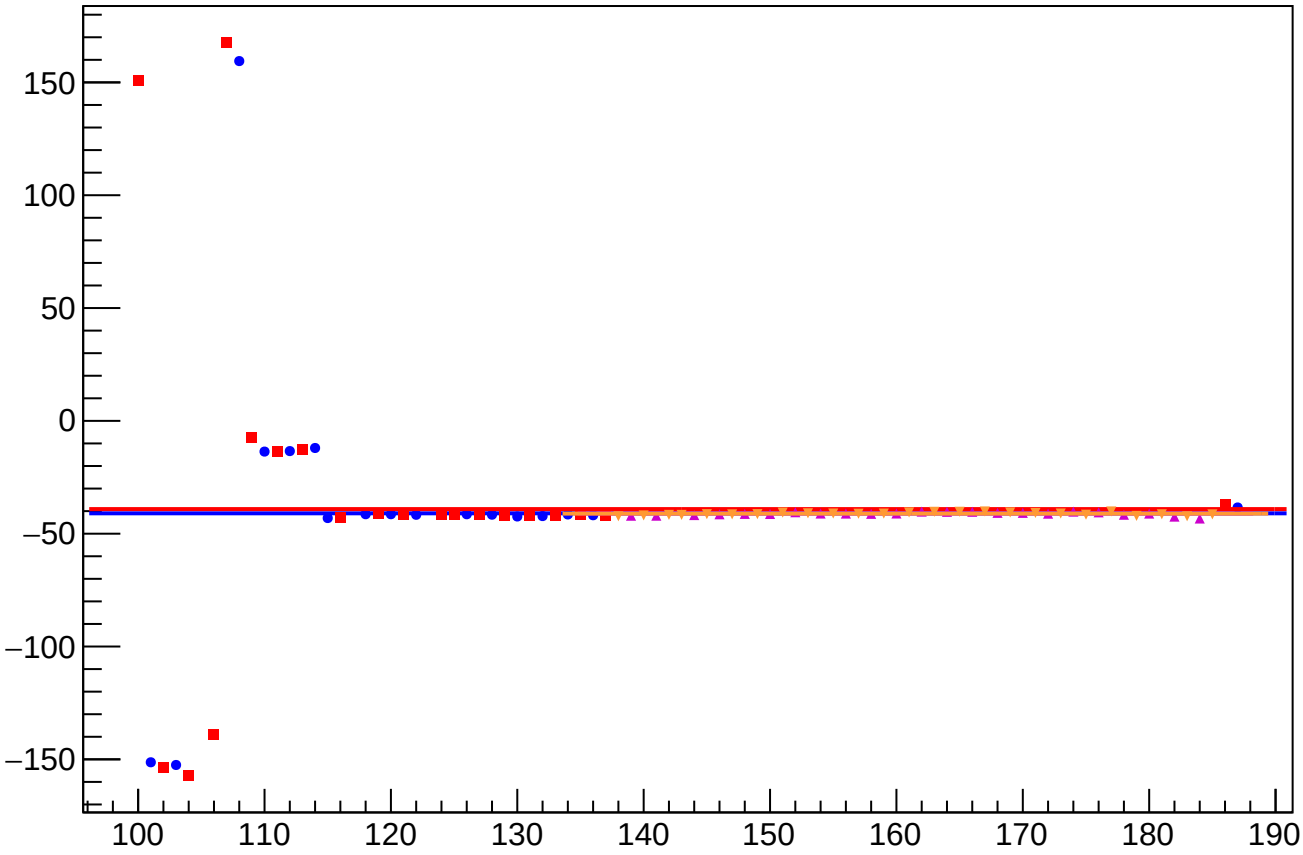
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.519+/-0.000 χ^2/NDF: 2350438.0/41

All: 0.526+/-0.000 χ^2/NDF: 6034438.4/84

- sign 0.534+/-0.000 χ^2/NDF: 3667906.1/42

yield_cav4cY_mean vs Slug



Right In: -40.966+/-0.000 χ^2/NDF: 3450639244.5/16

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -39.096+/-0.000 χ^2/NDF: 2480294329.2/19

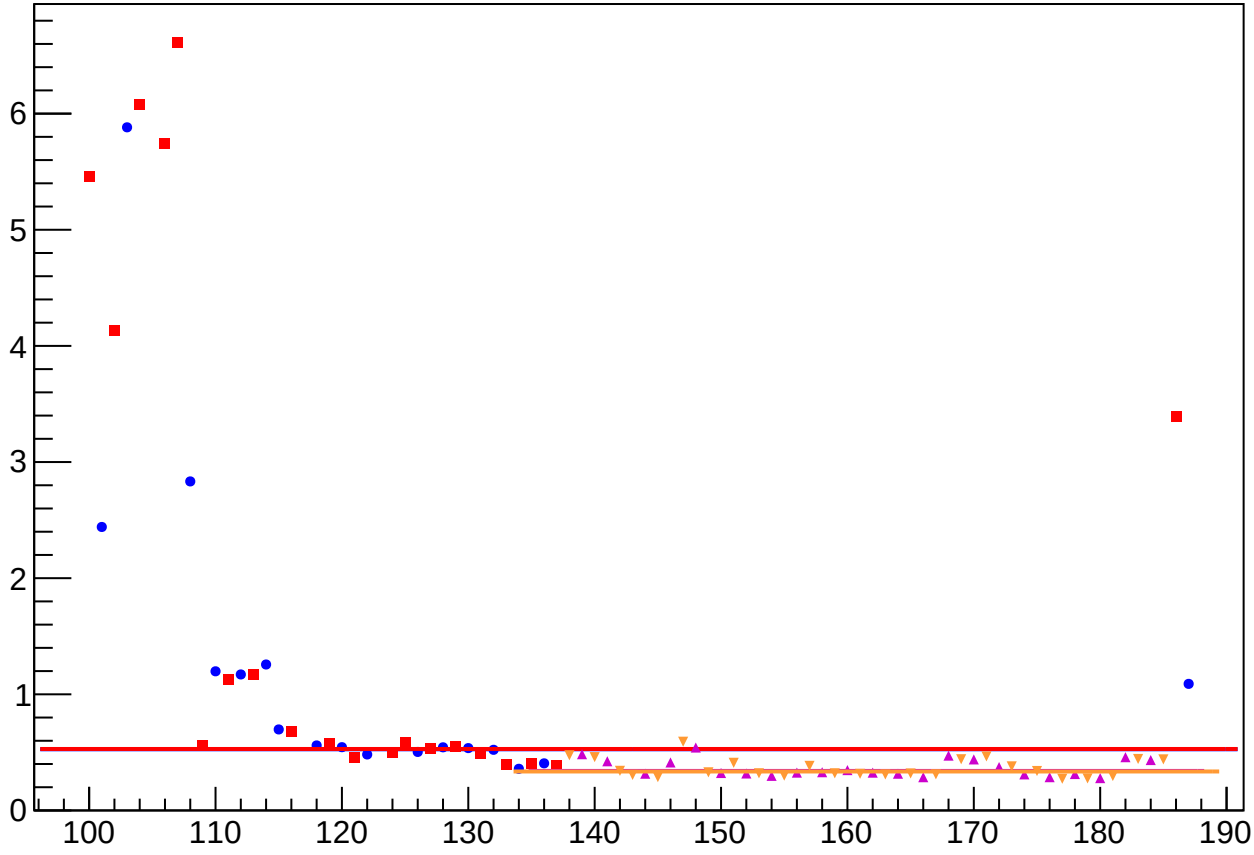
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -41.079+/-0.000 χ^2/NDF: 3511156726.2/41

All: -40.953+/-0.000 χ^2/NDF: 6108276926.2/

- sign -40.817+/-0.000 χ^2/NDF: 2591302945.4/42

yield_cav4cY_rms vs Slug



Right In: 0.527+/-0.000 χ^2/NDF: 3046195.7/16

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.529+/-0.000 χ^2/NDF: 3811515.1/19

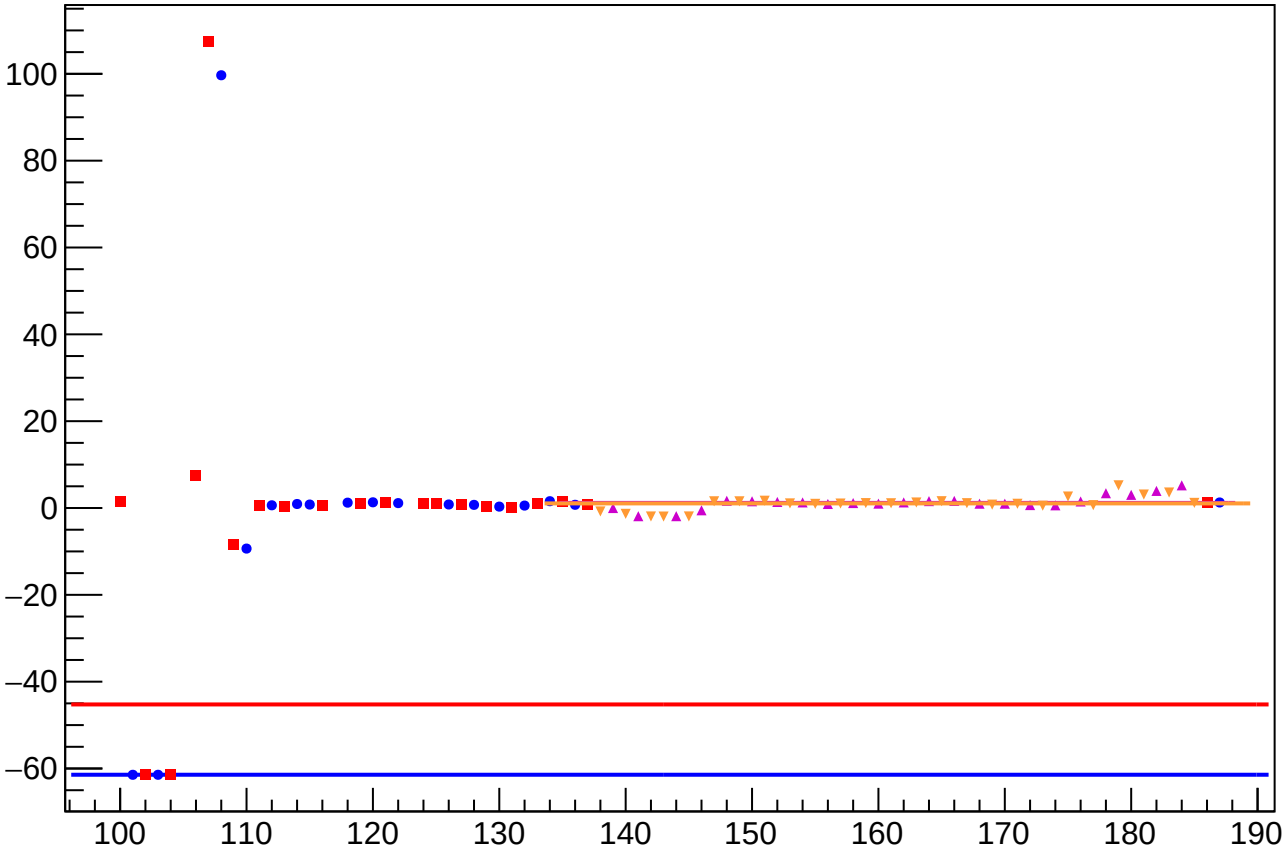
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.356+/-0.000 χ^2/NDF: 5498342.7/41

All: 0.358+/-0.000 χ^2/NDF: 11521511.3/84

- sign 0.361+/-0.000 χ^2/NDF: 6018568.2/42

yield_cav4dX_mean vs Slug



Right In: -61.436+/-0.000 χ^2/NDF: 274033836672.5/16

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357871058356686.9/19

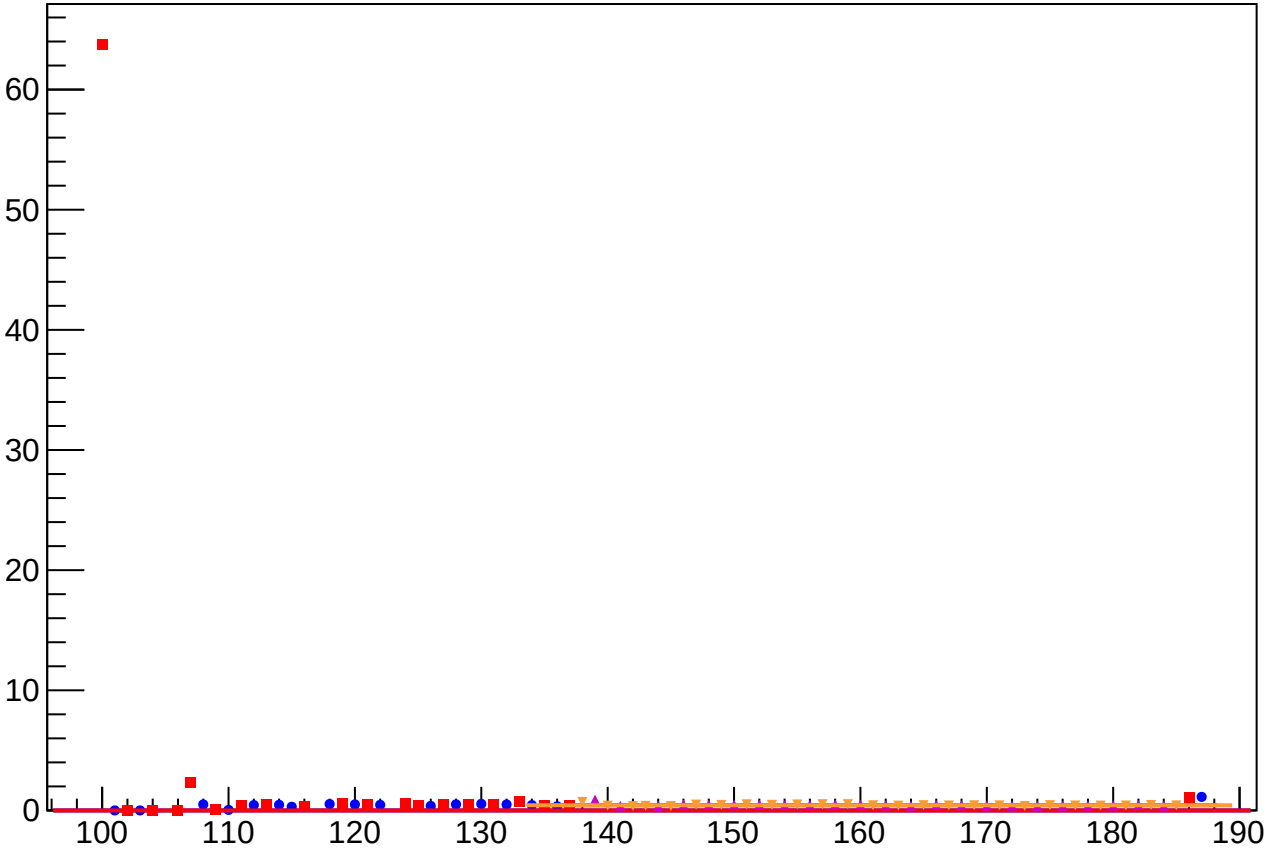
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 604042237384.9/4

All: -52.738+/-0.000 χ^2/NDF: 409592718243

- sign -45.236+/-0.000 χ^2/NDF: 358037625009576.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9503316.0/16

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

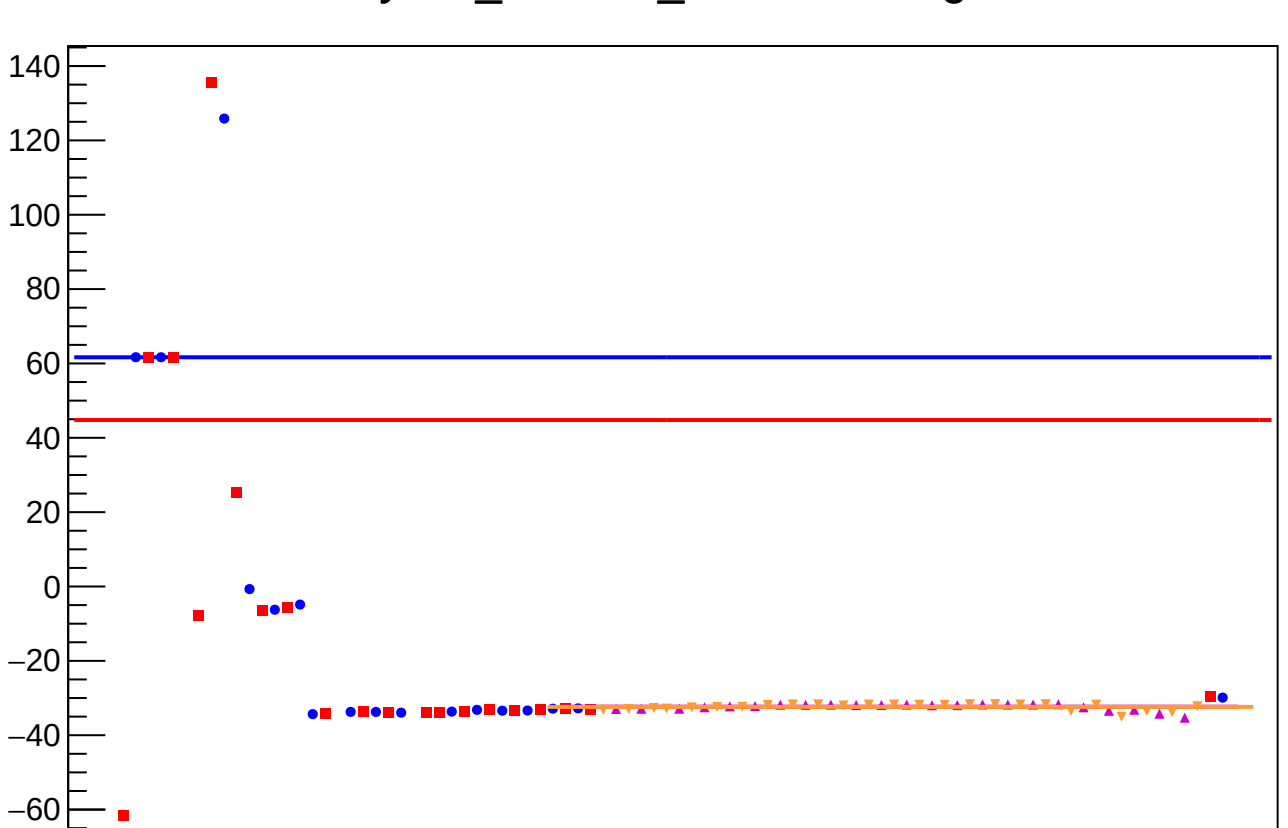
Right Out: 0.001+/-0.000 χ^2/NDF: 10106296.0/19

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 41269013.8/41

All: 0.002+/-0.000 χ^2/NDF: 81518717.1/84

- sign 0.002+/-0.000 χ^2/NDF: 40249518.6/42



Right In: 61.662+/-0.000 χ^2/NDF: 371329689584.4/16

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.786+/-0.000 χ^2/NDF: 366095027808749.8/19

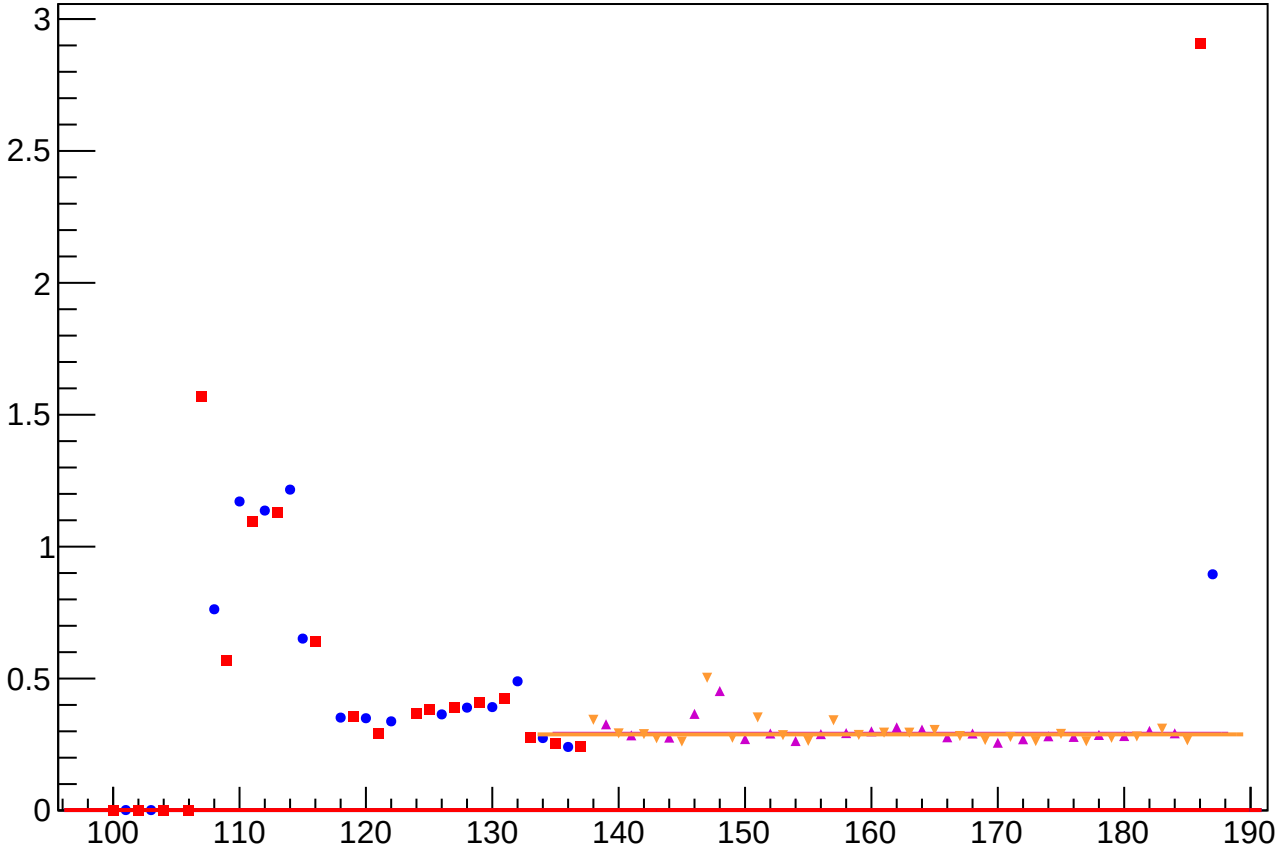
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.600+/-0.000 χ^2/NDF: 2329460390295.0/4

All: 52.638+/-0.000 χ^2/NDF: 420664615489

- sign 44.744+/-0.000 χ^2/NDF: 367322843858526.6

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11380347.4/16

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11323228.6/19

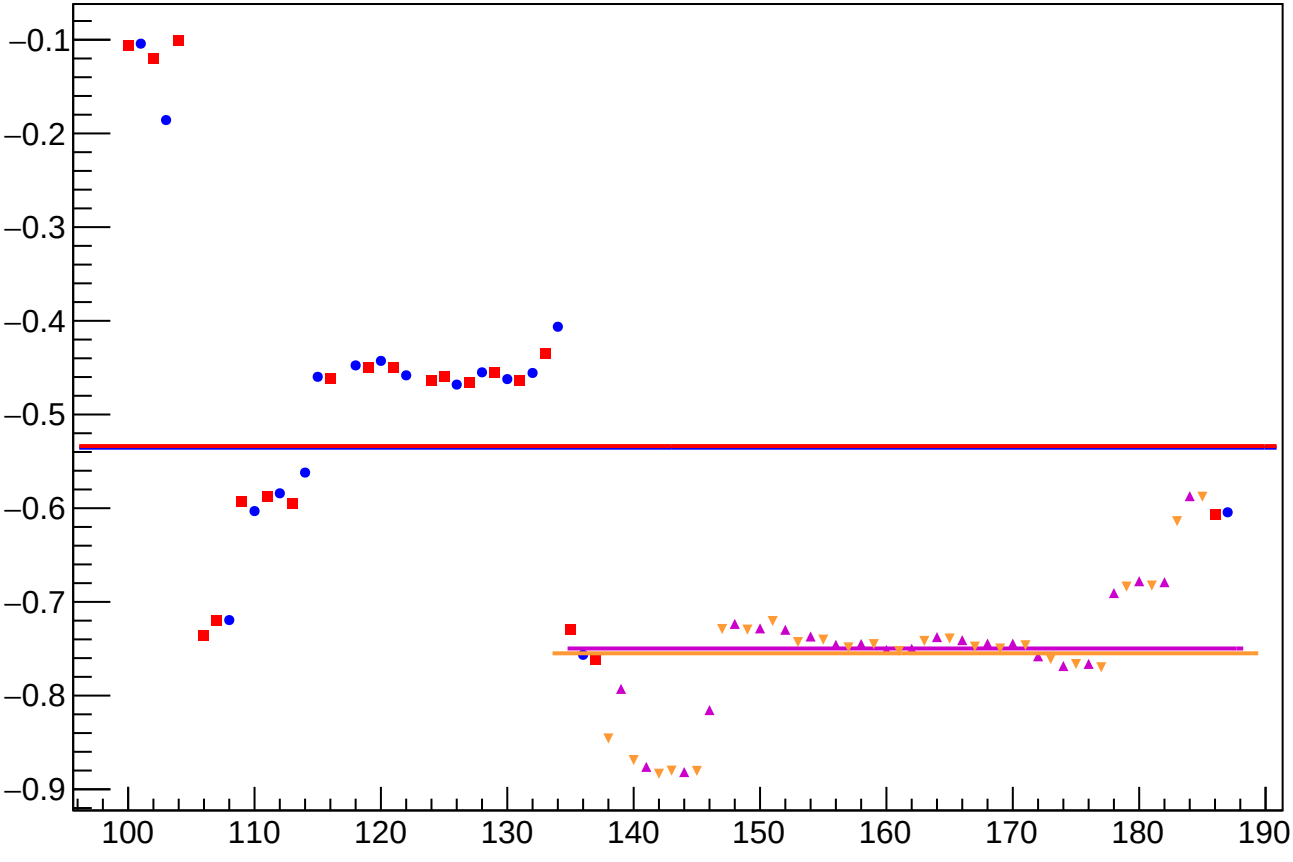
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 48343554.2/41

All: 0.002+/-0.000 χ^2/NDF: 94575151.2/84

- sign 0.002+/-0.000 χ^2/NDF: 46231529.2/42

yield_bpm4aX_mean vs Slug



Right In: -0.535+/-0.000 χ^2/NDF: 301172114.2/16

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.534+/-0.000 χ^2/NDF: 215125438.6/19

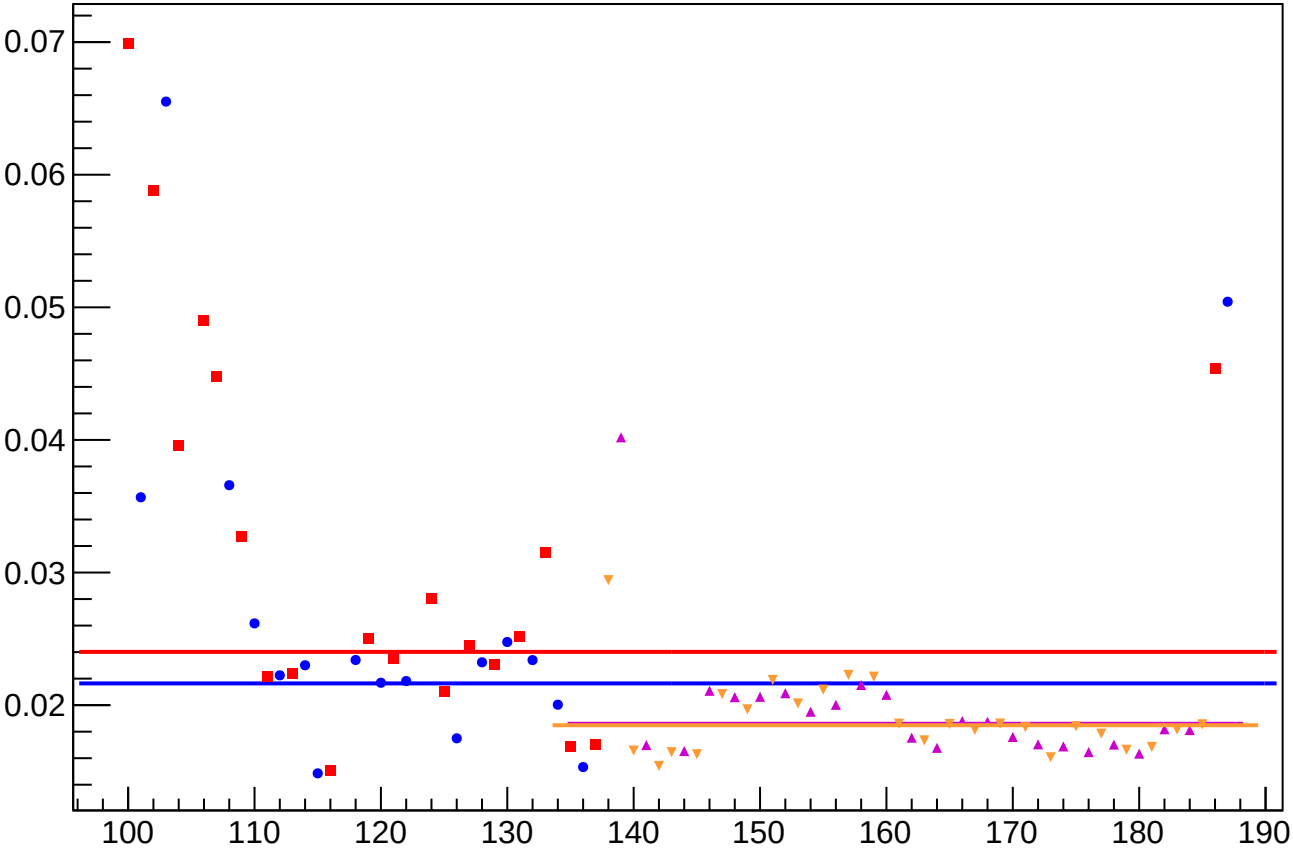
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.710+/-0.000 χ^2/NDF: 962383816.6/41

All: -0.709+/-0.000 χ^2/NDF: 1701649638.7/8

- sign -0.708+/-0.000 χ^2/NDF: 739131517.9/42

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 1267466.7/16

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.024+/-0.000 χ^2/NDF: 1448108.0/19

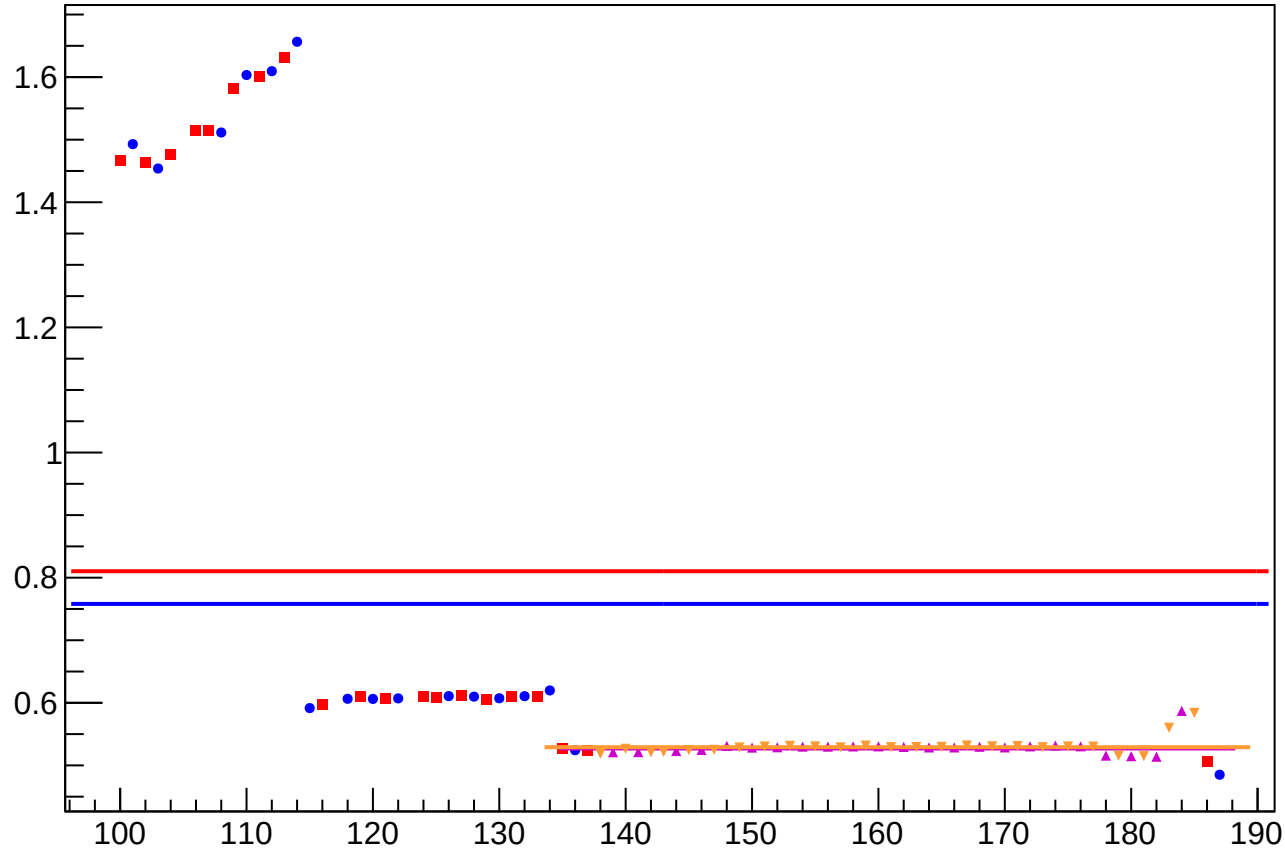
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1944497.2/41

All: 0.019+/-0.000 χ^2/NDF: 4629220.0/84

- sign 0.020+/-0.000 χ^2/NDF: 2670157.9/42

yield_bpm4aY_mean vs Slug



Right In: 0.758+/-0.000 χ^2/NDF: 4309819084.1/16

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.810+/-0.000 χ^2/NDF: 4770809767.9/19

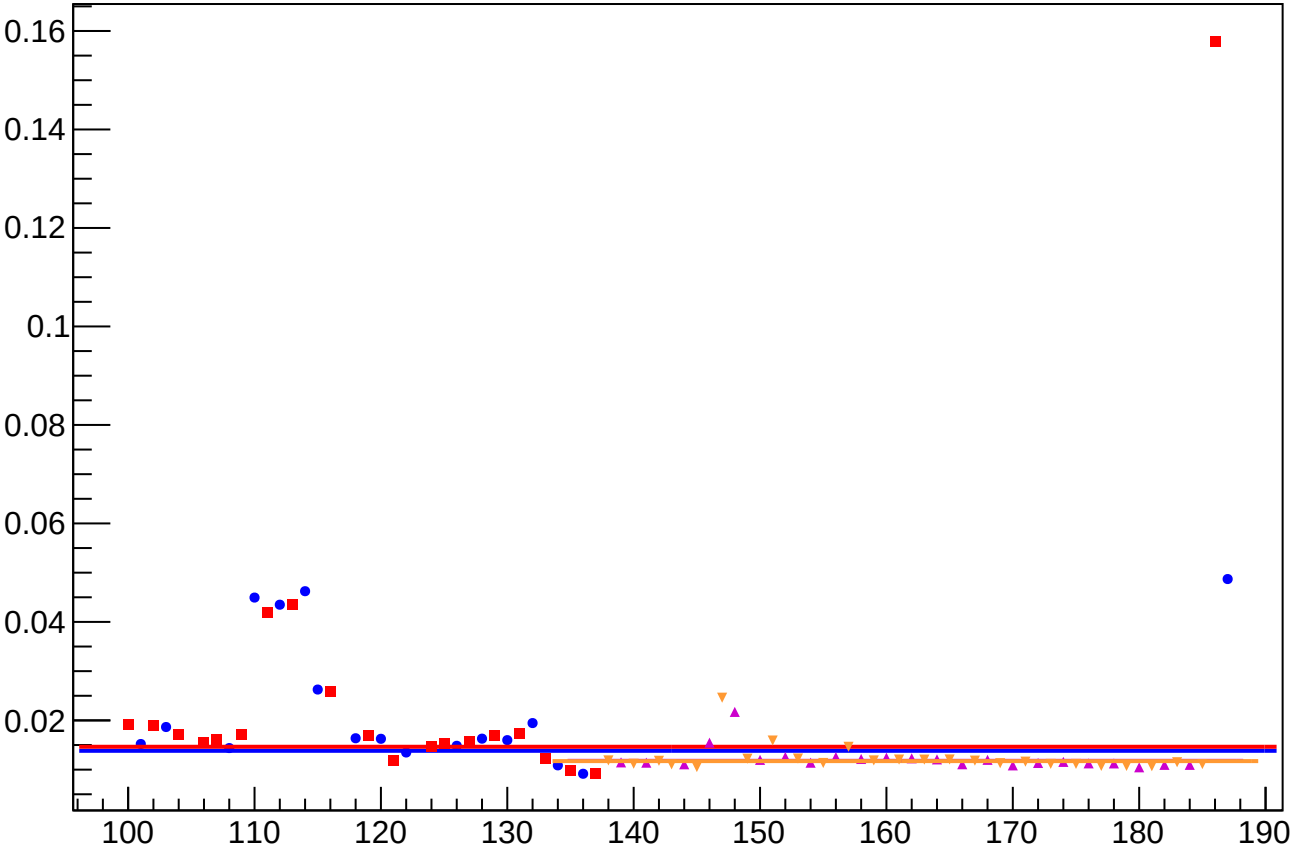
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.573+/-0.000 χ^2/NDF: 5668013792.4/41

All: 0.576+/-0.000 χ^2/NDF: 12370862118.2/8

- sign 0.580+/-0.000 χ^2/NDF: 6697922191.9/42

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1834221.1/16

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2085339.5/19

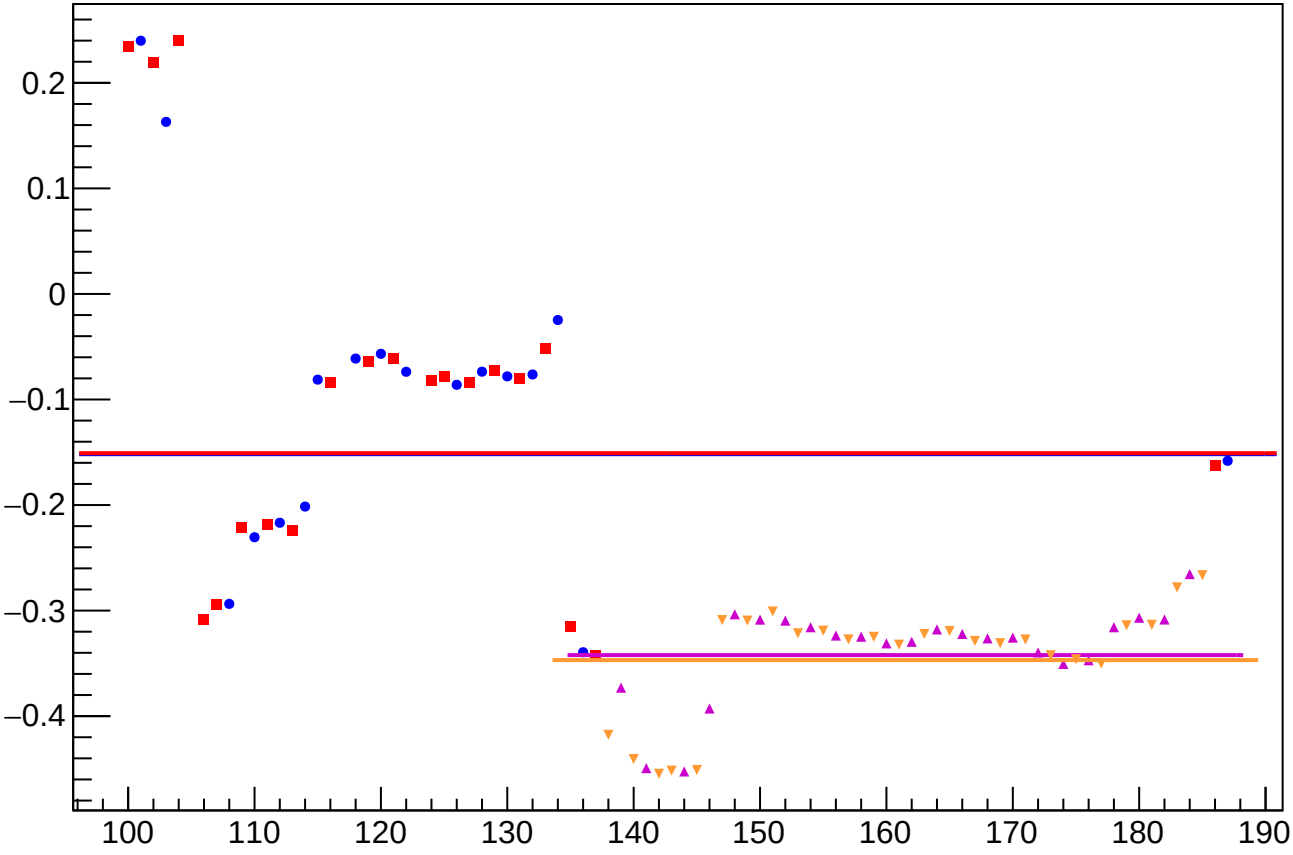
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.012+/-0.000 χ^2/NDF: 2757908.5/41

All: 0.012+/-0.000 χ^2/NDF: 5758615.8/84

- sign 0.012+/-0.000 χ^2/NDF: 2994431.4/42

yield_bpm4eX_mean vs Slug



Right In: -0.152+/-0.000 χ^2/NDF: 276794419.6/16

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199435798.2/19

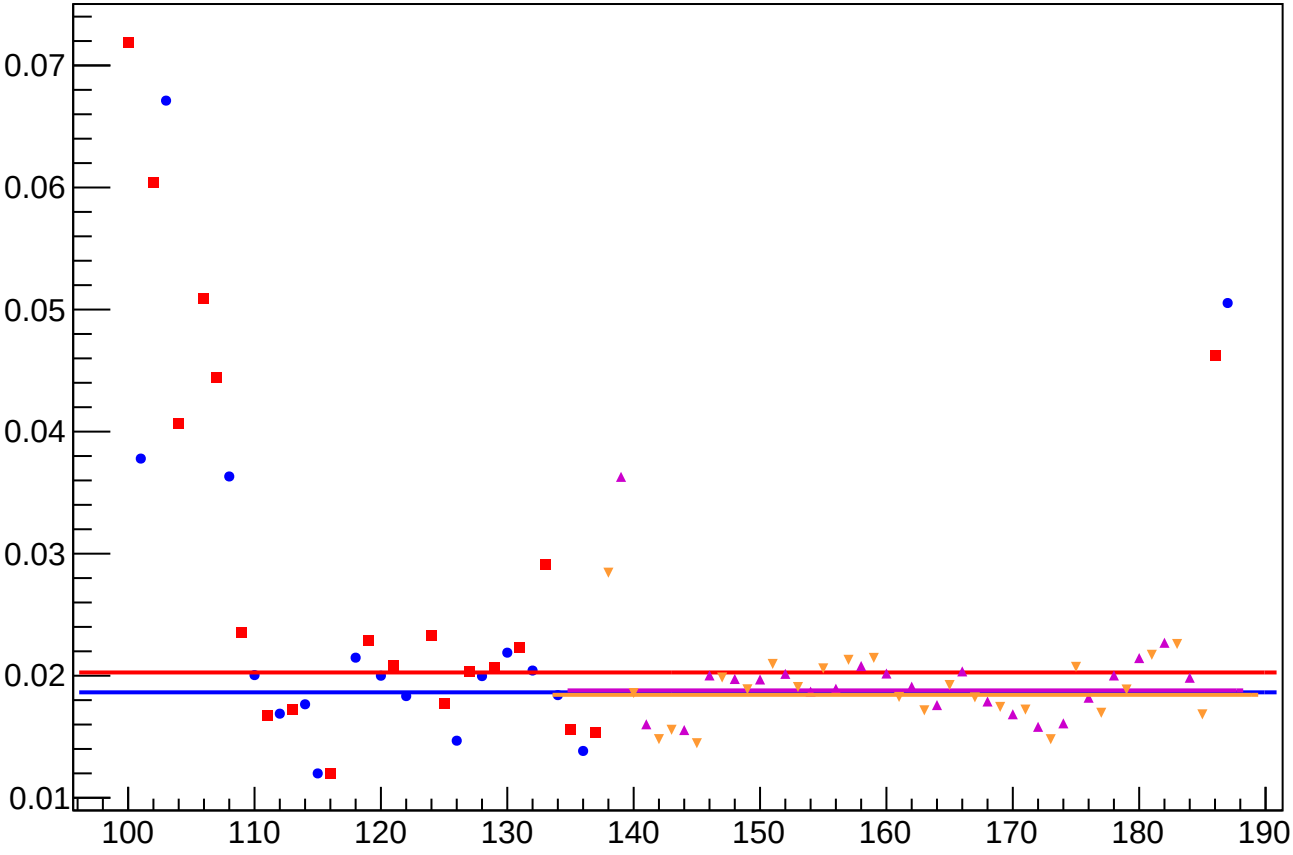
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.298+/-0.000 χ^2/NDF: 845103111.3/41

All: -0.297+/-0.000 χ^2/NDF: 1516108708.7/8

- sign -0.295+/-0.000 χ^2/NDF: 670686487.6/42

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1511372.9/16

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.020+/-0.000 χ^2/NDF: 1790286.9/19

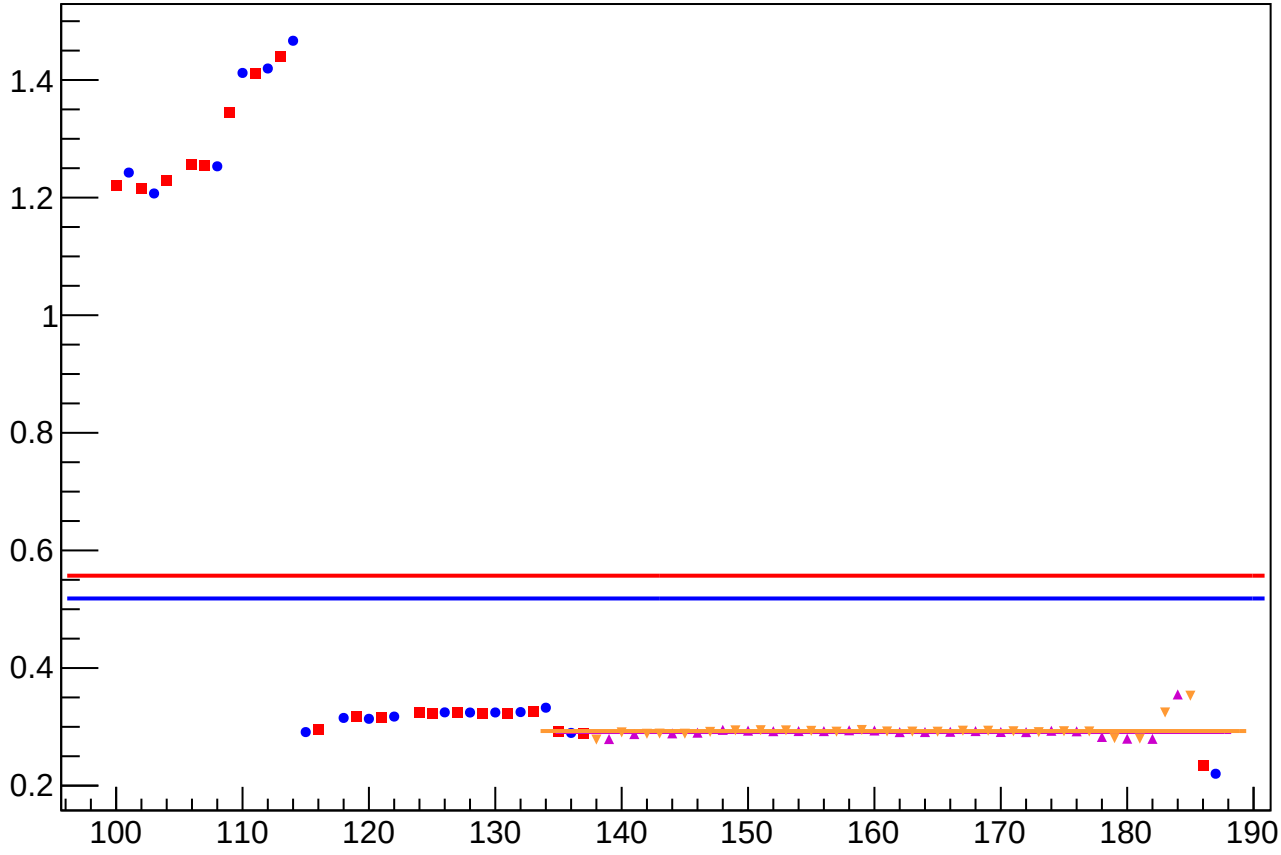
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.018+/-0.000 χ^2/NDF: 2152362.4/41

All: 0.019+/-0.000 χ^2/NDF: 4733384.8/84

- sign 0.019+/-0.000 χ^2/NDF: 2554186.1/42

yield_bpm4eY_mean vs Slug



Right In: 0.518+/-0.000 χ^2/NDF: 6333187358.2/16

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.557+/-0.000 χ^2/NDF: 6749631271.9/19

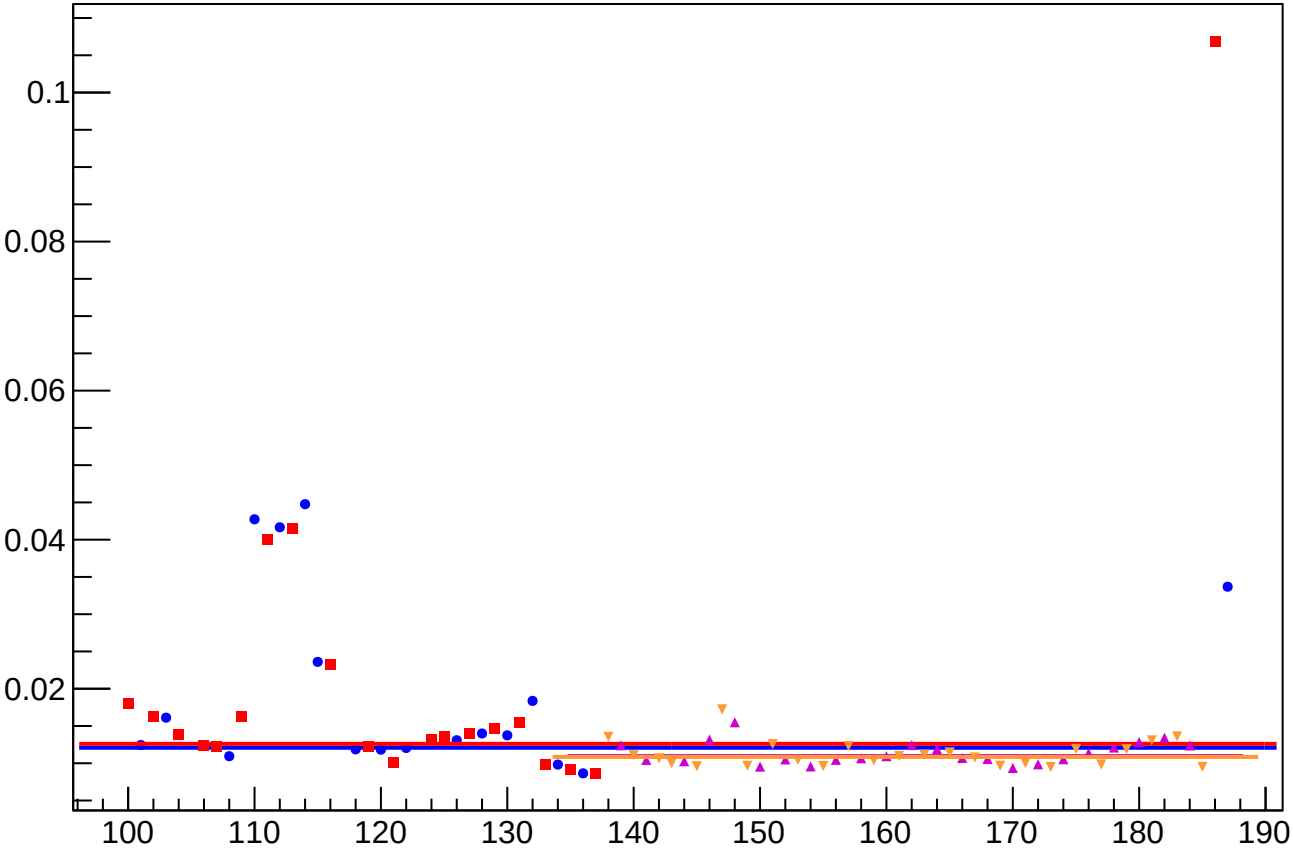
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.340+/-0.000 χ^2/NDF: 8018309367.5/41

All: 0.344+/-0.000 χ^2/NDF: 16957861633.6/8

- sign 0.348+/-0.000 χ^2/NDF: 8934383465.1/42

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1639341.7/16

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2030006.2/19

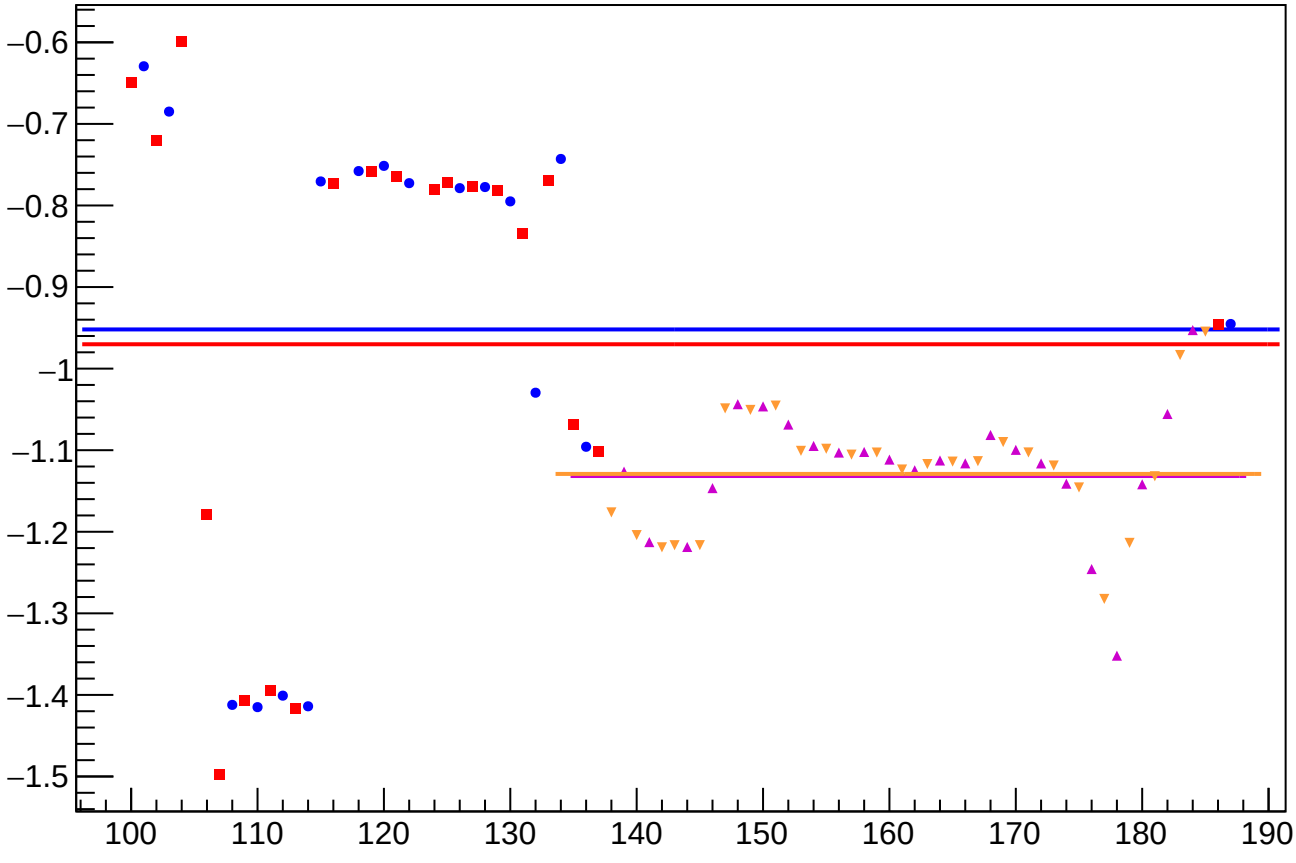
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2393940.3/41

All: 0.011+/-0.000 χ^2/NDF: 5111459.6/84

- sign 0.011+/-0.000 χ^2/NDF: 2709740.7/42

yield_bpm4acX_mean vs Slug



Right In: -0.952+/-0.000 χ^2/NDF: 699472101.2/16

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.970+/-0.000 χ^2/NDF: 714620391.8/19

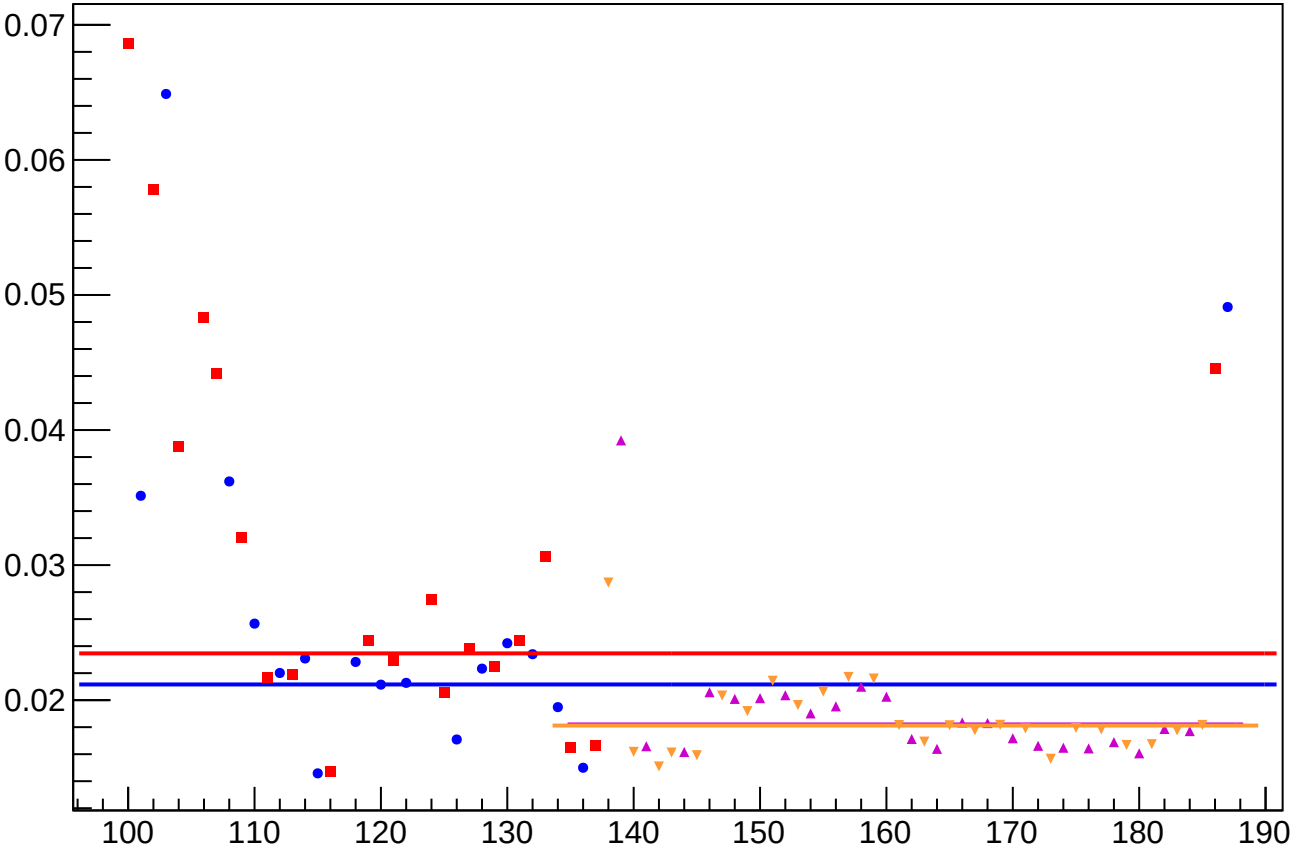
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.093+/-0.000 χ^2/NDF: 1242500817.8/41

All: -1.097+/-0.000 χ^2/NDF: 2442505982.7/8

- sign -1.100+/-0.000 χ^2/NDF: 1198386067.8/42

yield_bpm4acX_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 1279774.2/16

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 1453819.2/19

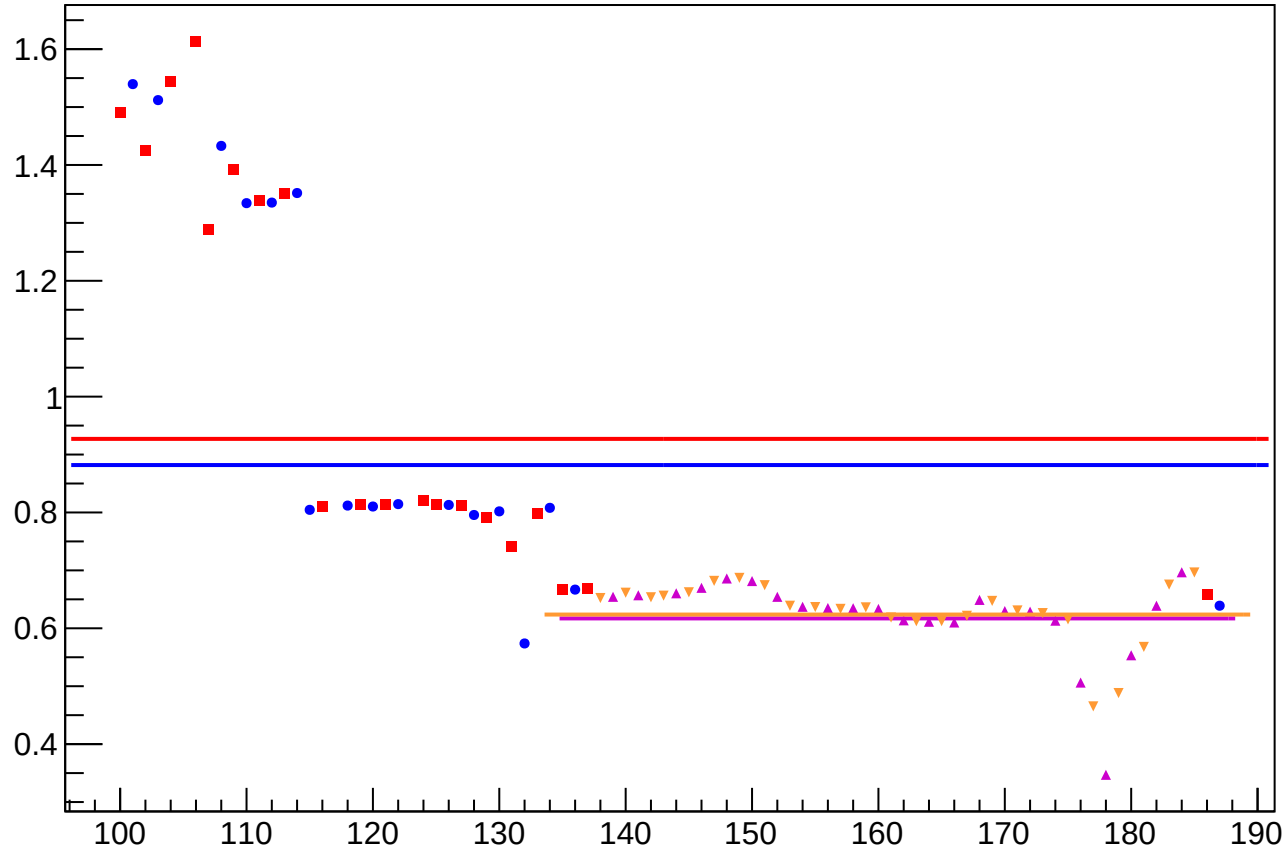
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.019+/-0.000 χ^2/NDF: 1933685.6/41

All: 0.019+/-0.000 χ^2/NDF: 4599271.0/84

- sign 0.019+/-0.000 χ^2/NDF: 2652593.2/42

yield_bpm4acY_mean vs Slug



Right In: 0.882+/-0.000 χ^2/NDF: 2788673067.4/16

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.927+/-0.000 χ^2/NDF: 2764126627.2/19

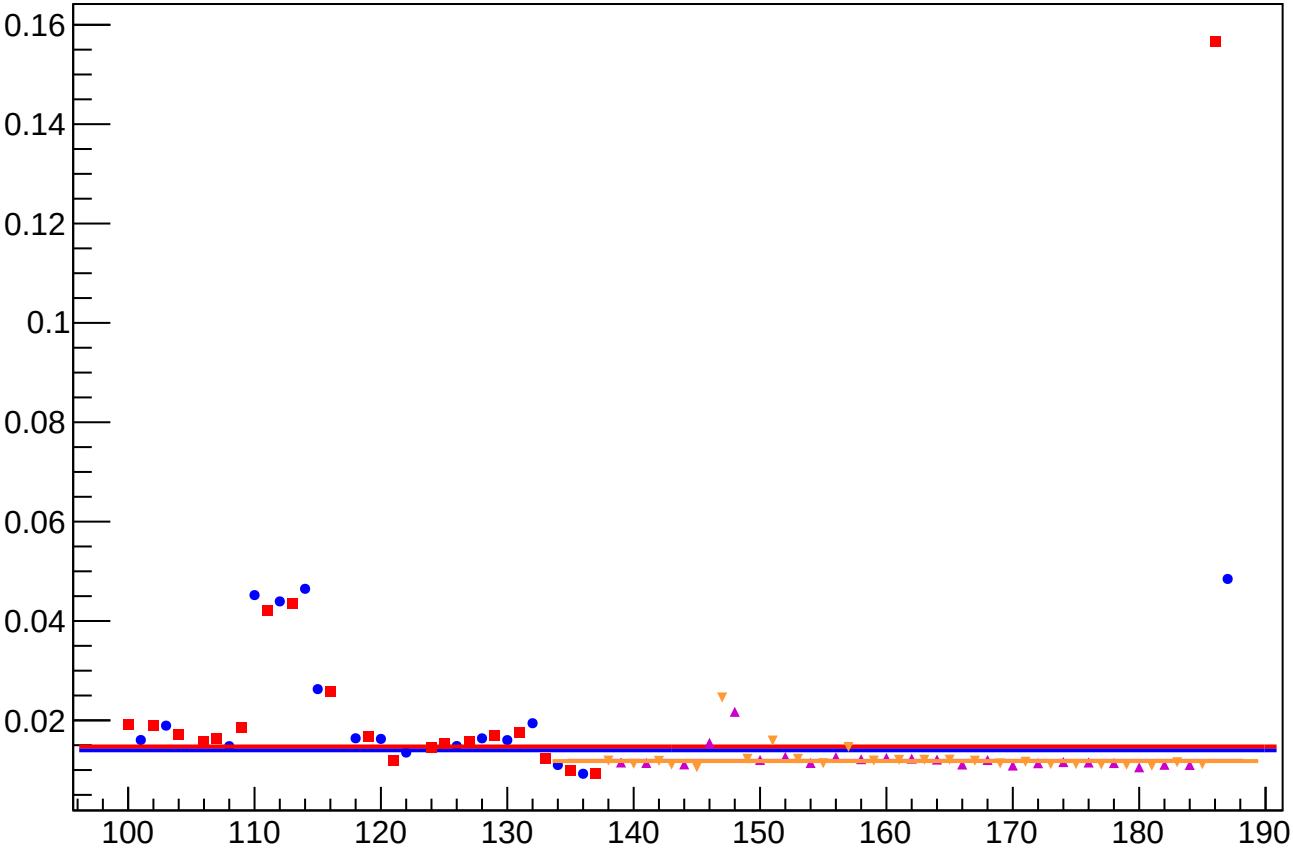
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.672+/-0.000 χ^2/NDF: 4854321703.1/41

All: 0.674+/-0.000 χ^2/NDF: 10519941074.0/8

- sign 0.675+/-0.000 χ^2/NDF: 5664986572.6/42

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1828848.9/16

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2095371.1/19

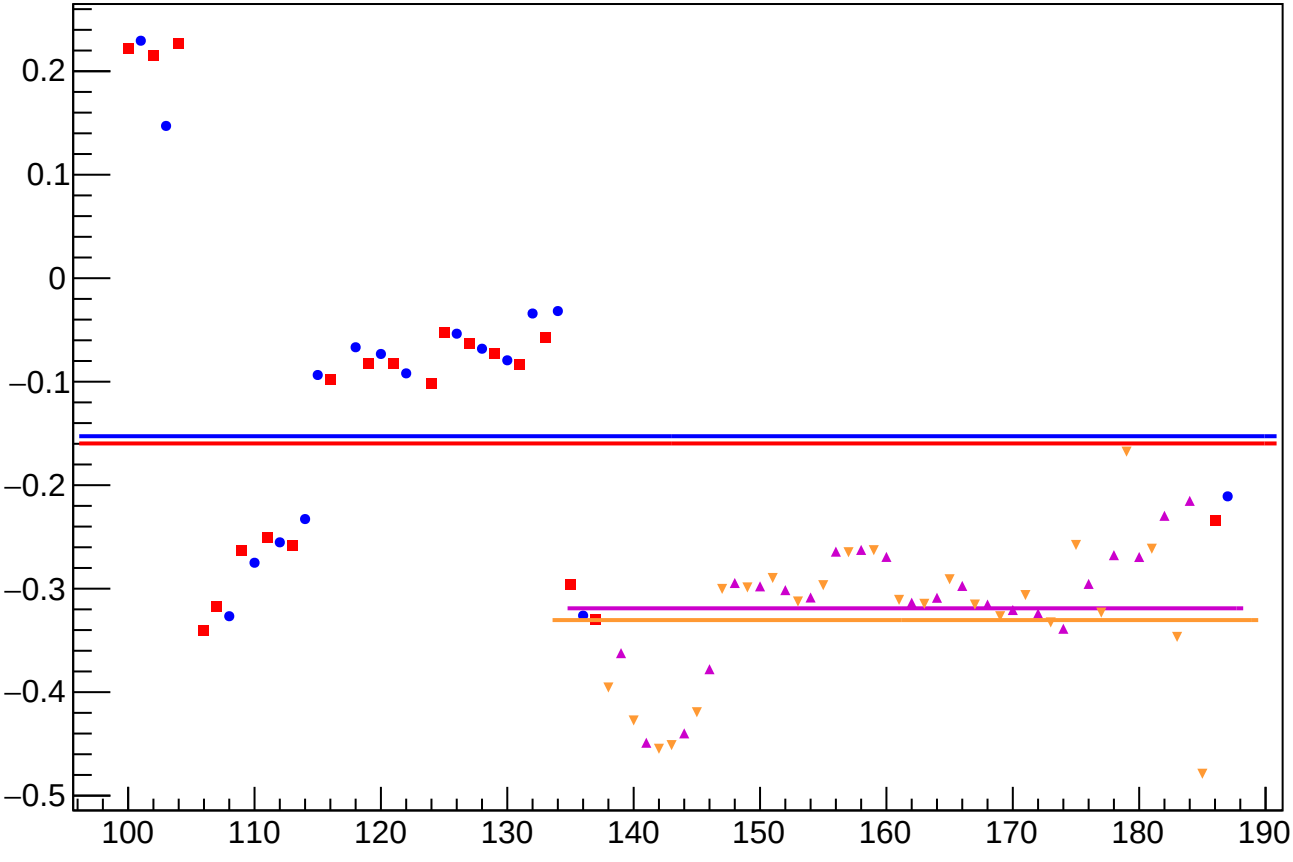
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2738092.2/41

All: 0.012+/-0.000 χ^2/NDF: 5740178.8/84

- sign 0.012+/-0.000 χ^2/NDF: 2997401.0/42

yield_bpm4ecX_mean vs Slug



Right In: -0.153+/-0.000 χ^2/NDF: 274487076.3/16

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.160+/-0.000 χ^2/NDF: 196578789.1/19

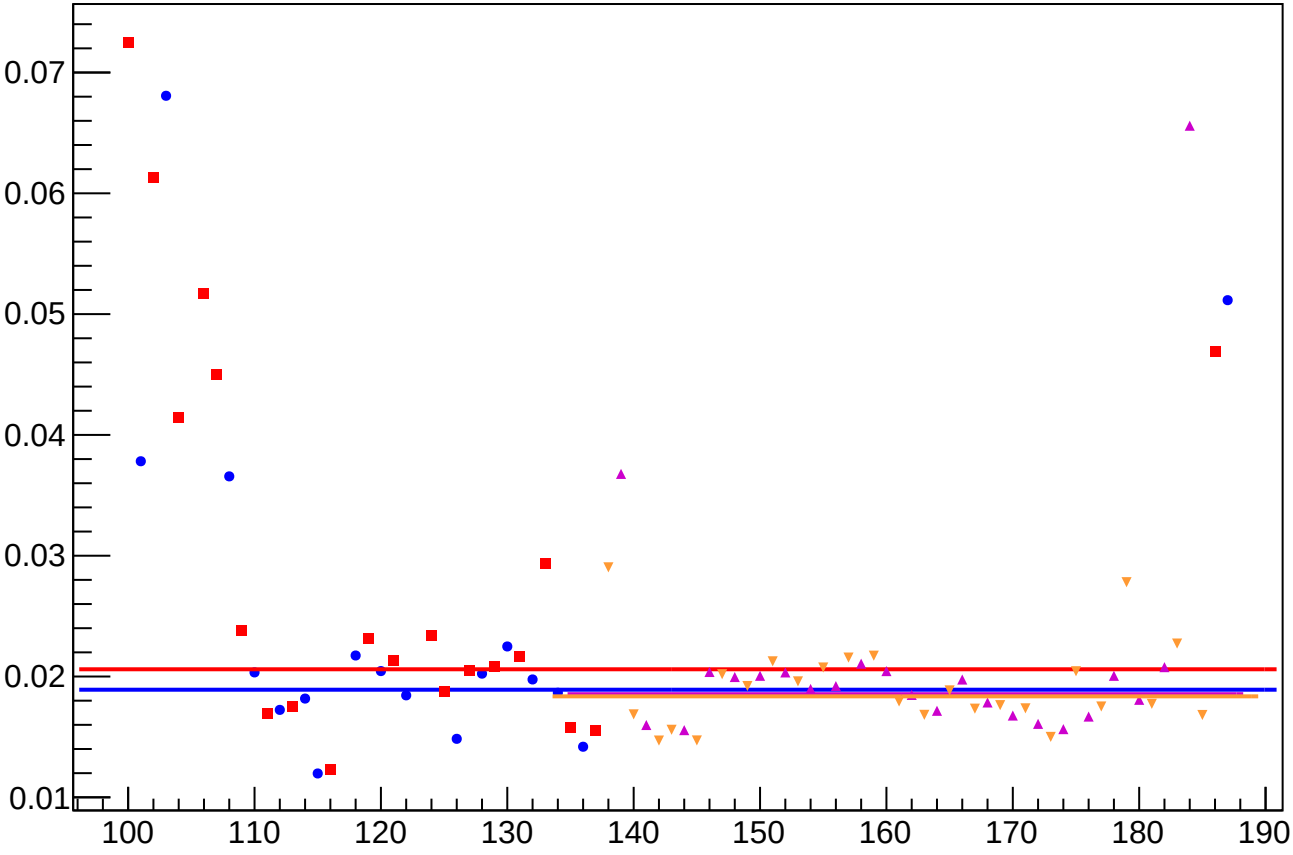
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 814741447.1/41

All: -0.284+/-0.000 χ^2/NDF: 1401788430.5/8

- sign -0.281+/-0.000 χ^2/NDF: 586115779.5/42

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1488122.4/16

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.021+/-0.000 χ^2/NDF: 1771550.8/19

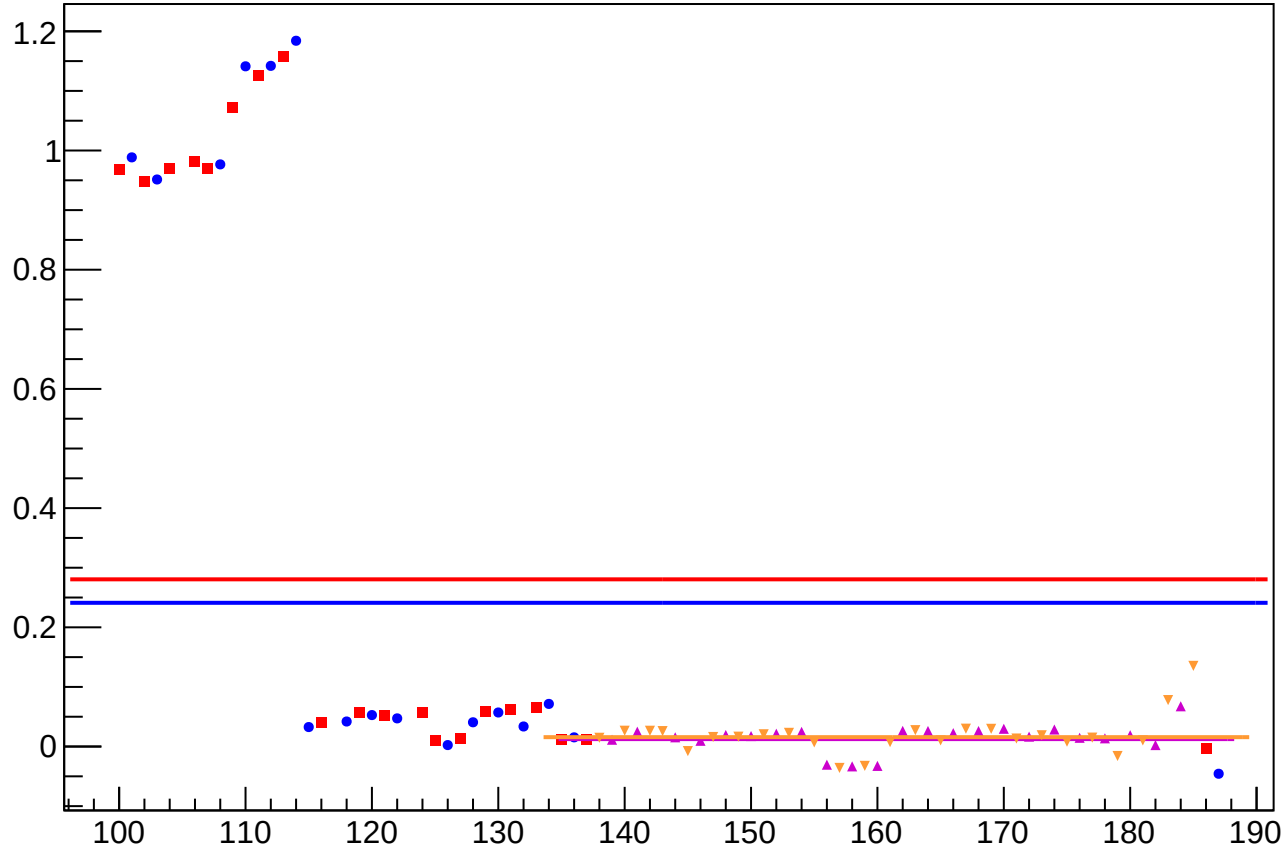
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 2232450.6/41

All: 0.019+/-0.000 χ^2/NDF: 5041476.9/84

- sign 0.019+/-0.000 χ^2/NDF: 2792175.4/42

yield_bpm4ecY_mean vs Slug



Right In: 0.241+/-0.000 χ^2/NDF: 6520985731.4/16

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.281+/-0.000 χ^2/NDF: 6760453129.7/19

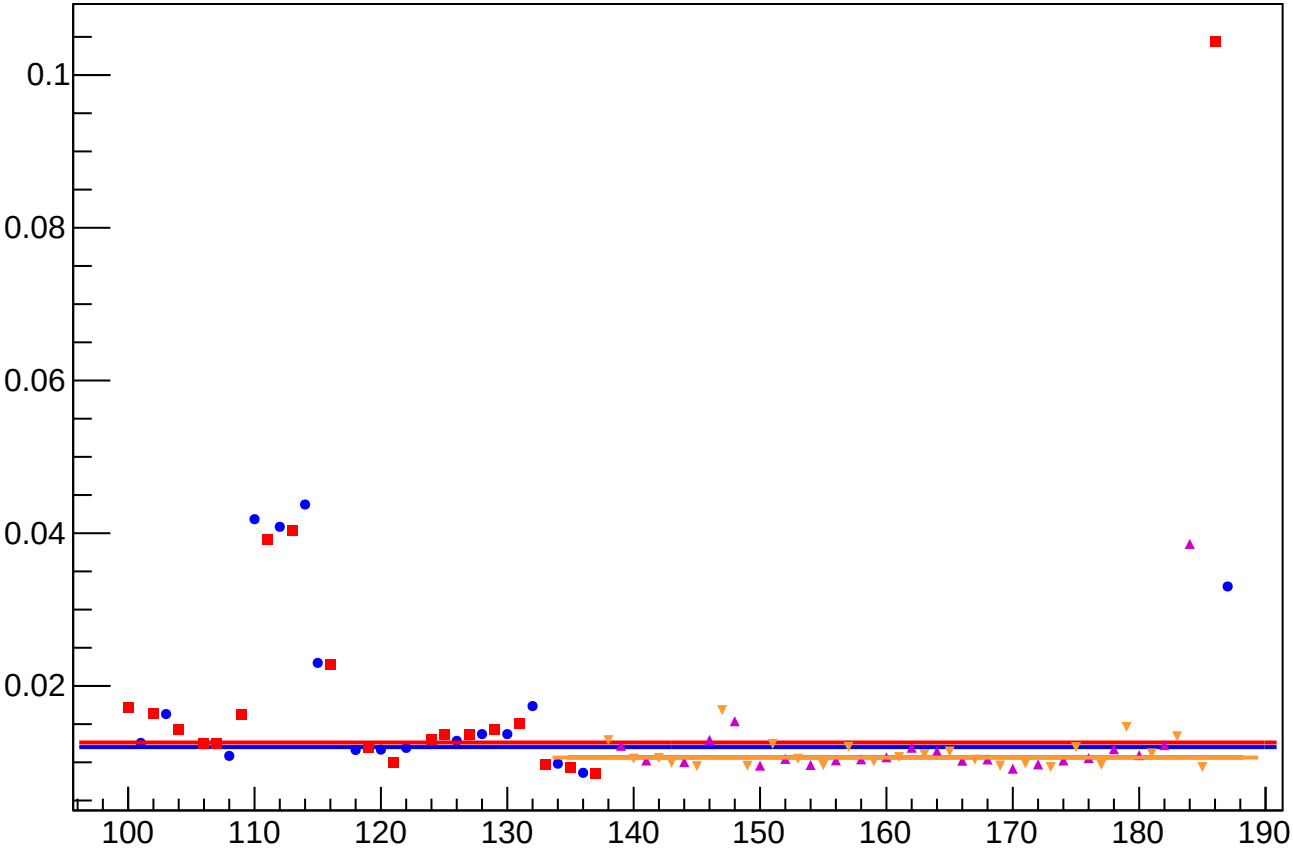
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.063+/-0.000 χ^2/NDF: 8320240550.2/41

All: 0.066+/-0.000 χ^2/NDF: 17375168638.5/8

- sign 0.068+/-0.000 χ^2/NDF: 9052757905.6/42

yield_bpm4ecY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1605103.3/16

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

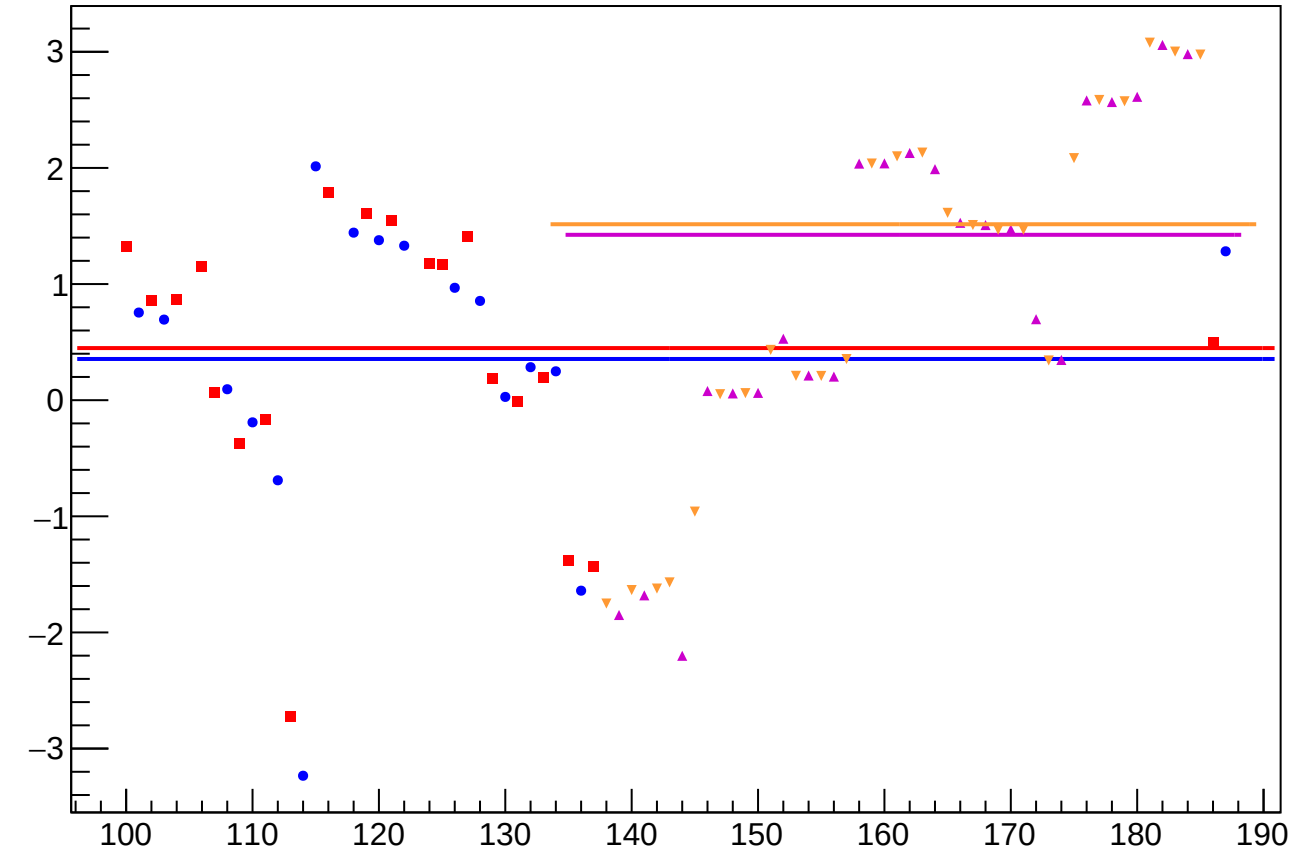
Right Out: 0.013+/-0.000 χ^2/NDF: 1984574.6/19

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2352405.9/41

All: 0.011+/-0.000 χ^2/NDF: 5149544.3/84

- sign 0.011+/-0.000 χ^2/NDF: 2793586.2/42



Right In: 0.355+/-0.000 χ^2/NDF: 1727781928.2/16

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: 0.449+/-0.000 χ^2/NDF: 1797410686.4/19

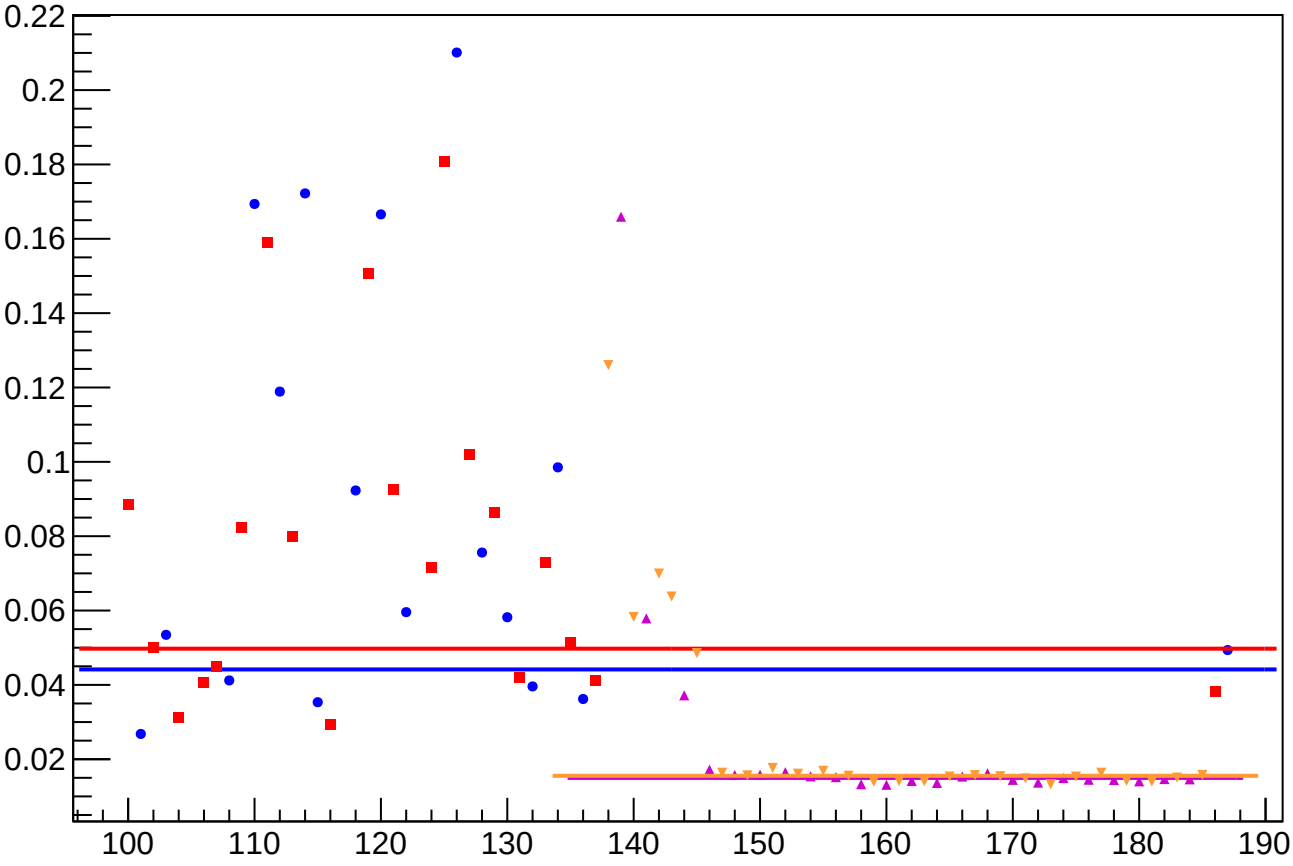
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.477+/-0.000 χ^2/NDF: 72193171826.7/41

All: 1.436+/-0.000 χ^2/NDF: 144000635733.4

- sign 1.395+/-0.000 χ^2/NDF: 71595009452.8/42

yield_bpm1X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 2791446.5/16

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

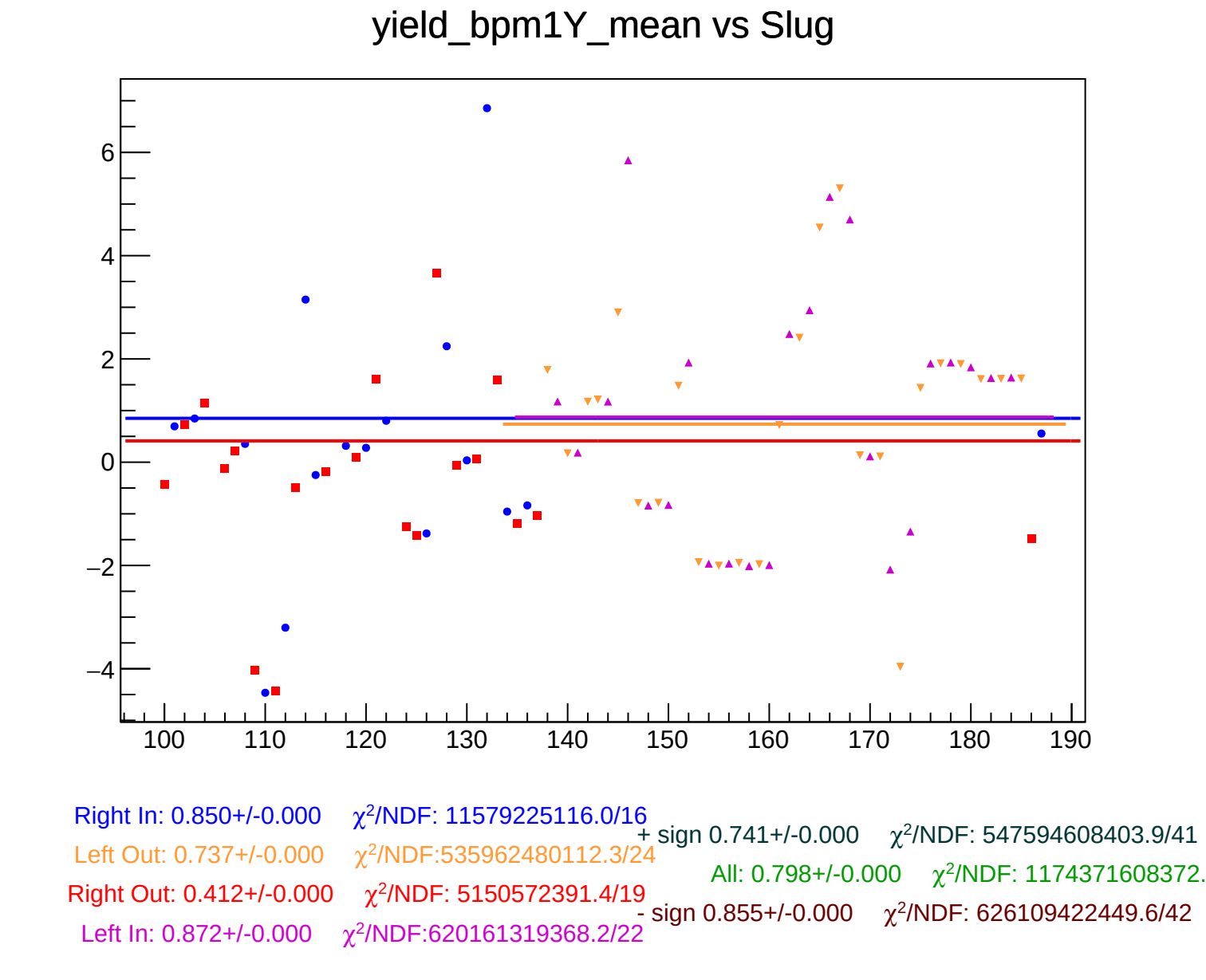
Right Out: 0.050+/-0.000 χ^2/NDF: 2444189.3/19

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

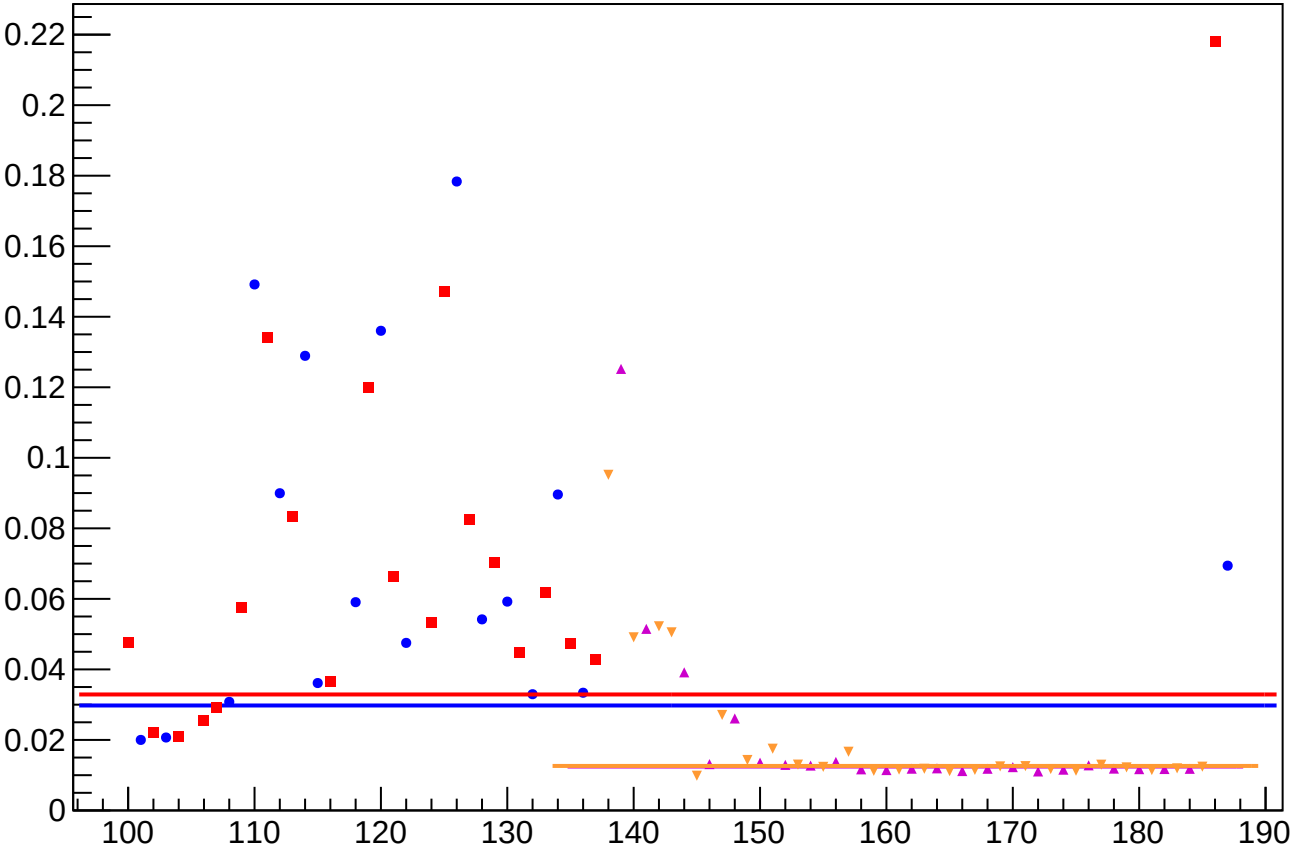
+ sign 0.016+/-0.000 χ^2/NDF: 9030135.4/41

All: 0.016+/-0.000 χ^2/NDF: 18123029.9/84

- sign 0.016+/-0.000 χ^2/NDF: 9078414.9/42


yield_bpm1Y_mean vs Slug
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.850+/-0.000 χ²/NDF: 11579225116.0/16
Left Out: 0.737+/-0.000 χ²/NDF:535962480112.3/24
Right Out: 0.412+/-0.000 χ²/NDF: 5150572391.4/19
Left In: 0.872+/-0.000 χ²/NDF:620161319368.2/22
+ sign 0.741+/-0.000 χ²/NDF: 547594608403.9/41
All: 0.798+/-0.000 χ²/NDF: 1174371608372.
- sign 0.855+/-0.000 χ²/NDF: 626109422449.6/42

yield_bpm1Y_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 3307418.4/16

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.033+/-0.000 χ^2/NDF: 3860361.2/19

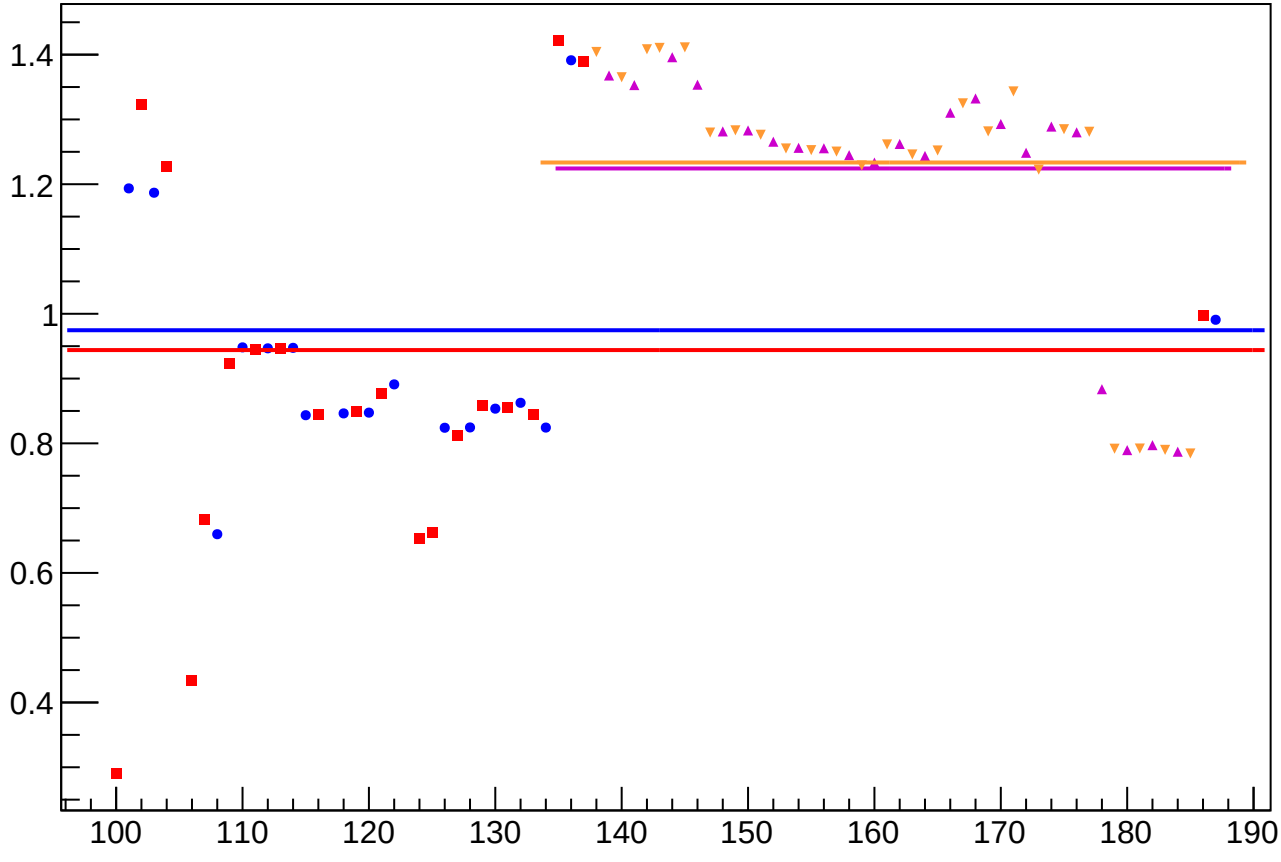
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.013+/-0.000 χ^2/NDF: 8918797.8/41

All: 0.013+/-0.000 χ^2/NDF: 18678362.2/84

- sign 0.013+/-0.000 χ^2/NDF: 9758503.6/42

yield_bpm11X_mean vs Slug



Right In: 0.975+/-0.000 χ^2/NDF: 1458799913.0/16

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.944+/-0.000 χ^2/NDF: 1672004286.2/19

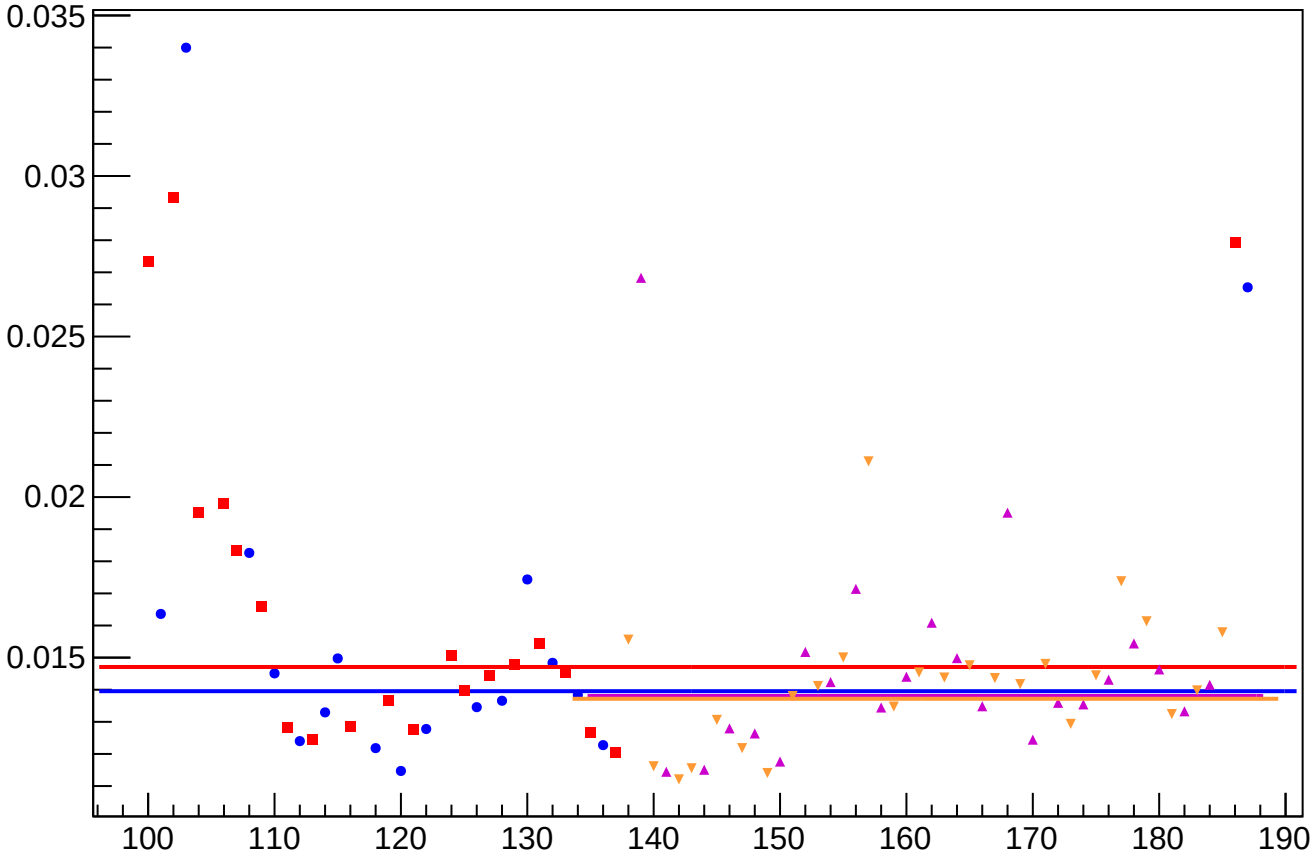
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.165+/-0.000 χ^2/NDF: 6108270437.1/41

All: 1.157+/-0.000 χ^2/NDF: 12235046561.4/8

- sign 1.149+/-0.000 χ^2/NDF: 6112884981.9/42

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 678402.7/16

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

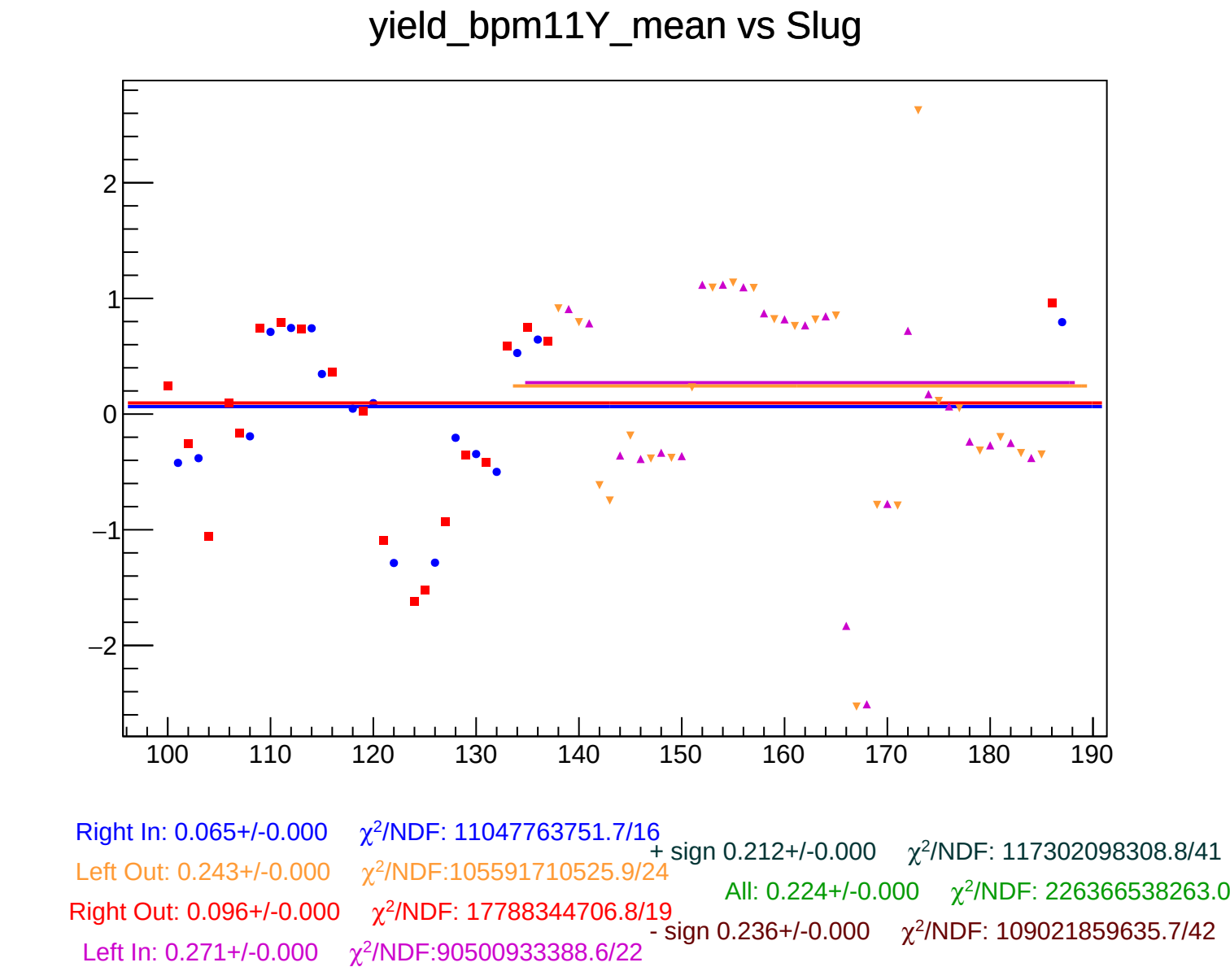
Right Out: 0.015+/-0.000 χ^2/NDF: 720977.5/19

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

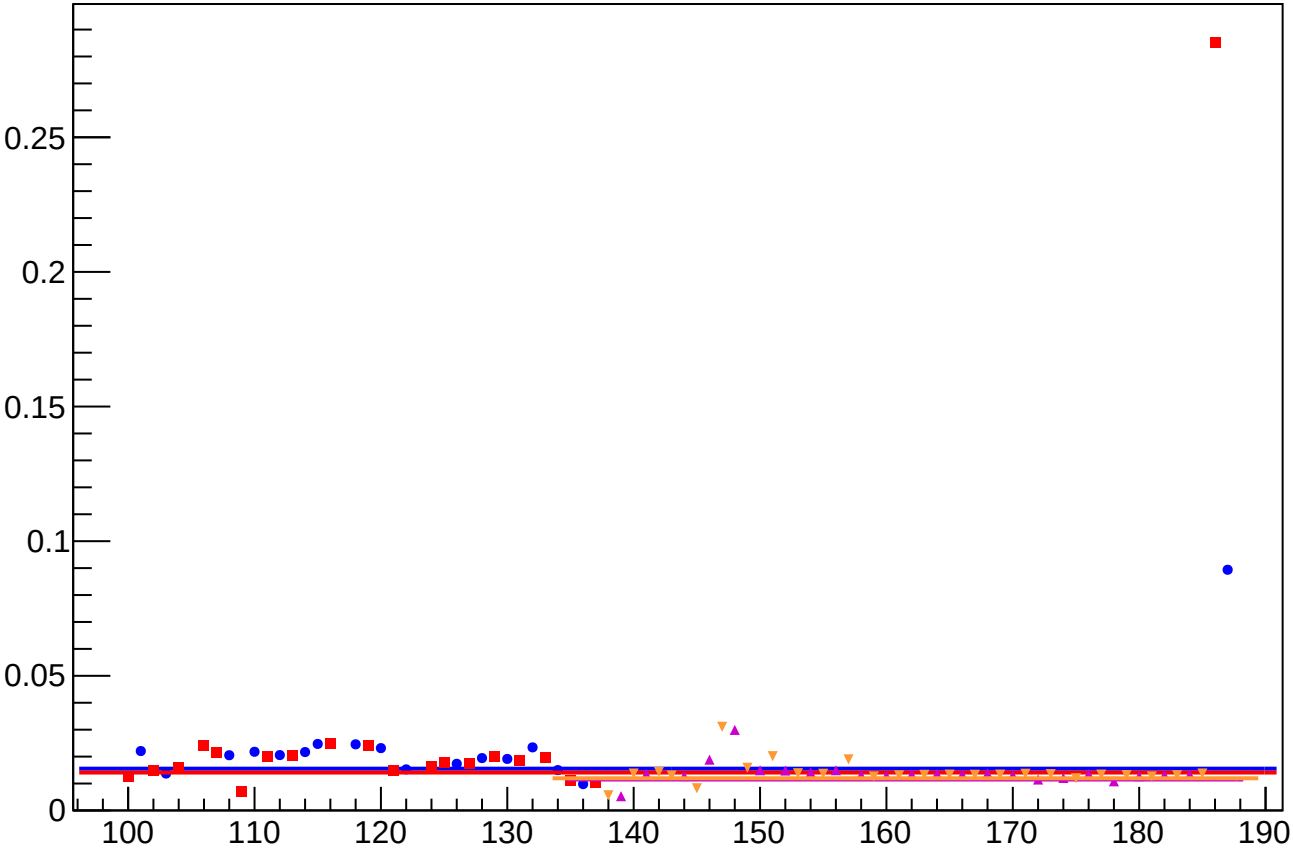
+ sign 0.014+/-0.000 χ^2/NDF: 1231875.6/41

All: 0.014+/-0.000 χ^2/NDF: 2868478.5/84

- sign 0.014+/-0.000 χ^2/NDF: 1628214.9/42


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.065+/-0.000 χ²/NDF: 11047763751.7/16
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.096+/-0.000 χ²/NDF: 17788344706.8/19
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.212+/-0.000 χ²/NDF: 117302098308.8/41
All: 0.224+/-0.000 χ²/NDF: 226366538263.0
- sign 0.236+/-0.000 χ²/NDF: 109021859635.7/42

yield_bpm11Y_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 1536228.1/16

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

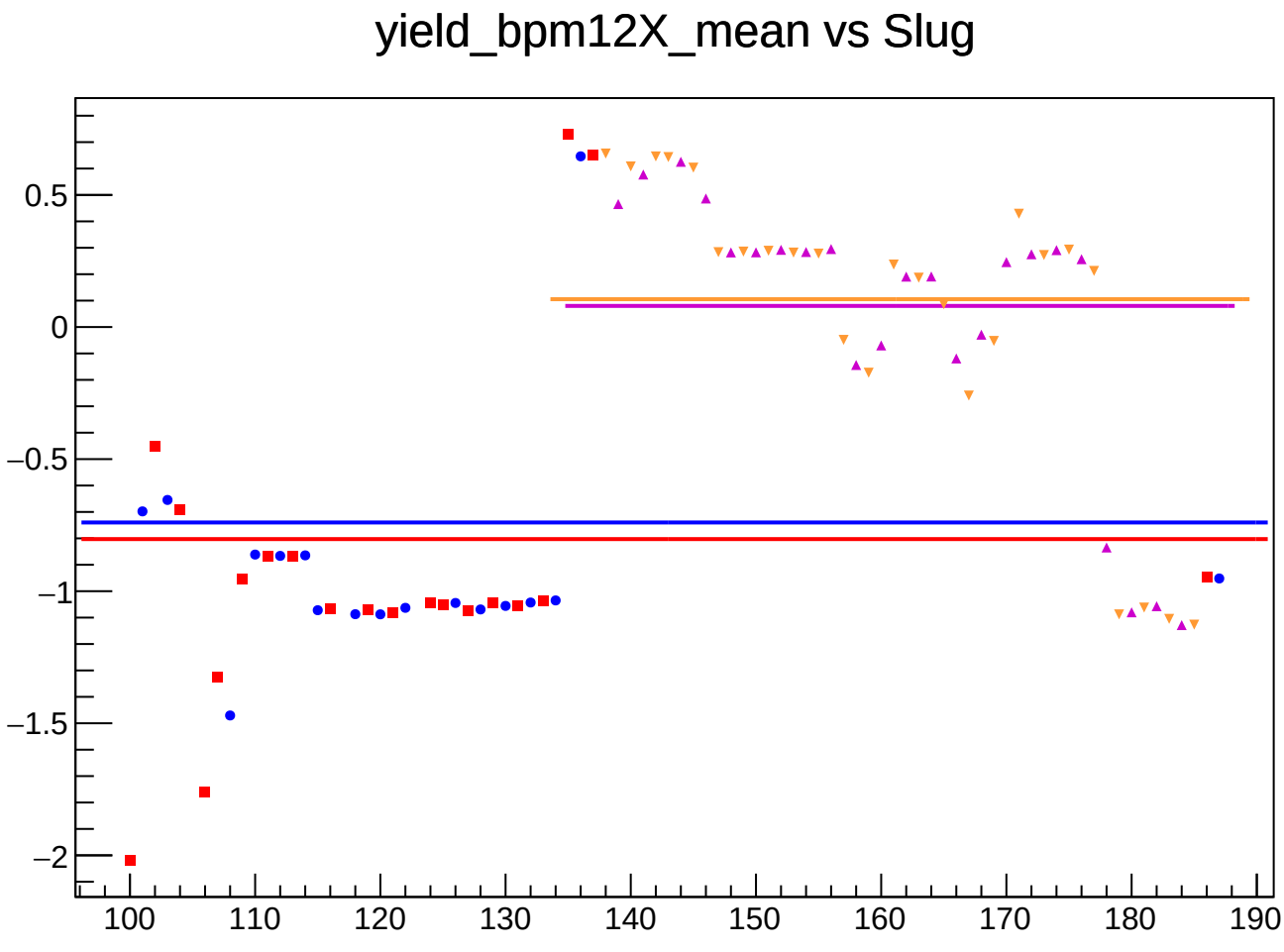
Right Out: 0.014+/-0.000 χ^2/NDF: 2370553.3/19

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.013+/-0.000 χ^2/NDF: 5330188.0/41

All: 0.012+/-0.000 χ^2/NDF: 11738404.7/84

- sign 0.012+/-0.000 χ^2/NDF: 6361589.6/42



Right In: -0.740+/-0.000 χ^2/NDF: 2075315252.6/16

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.803+/-0.000 χ^2/NDF: 1886256127.4/19

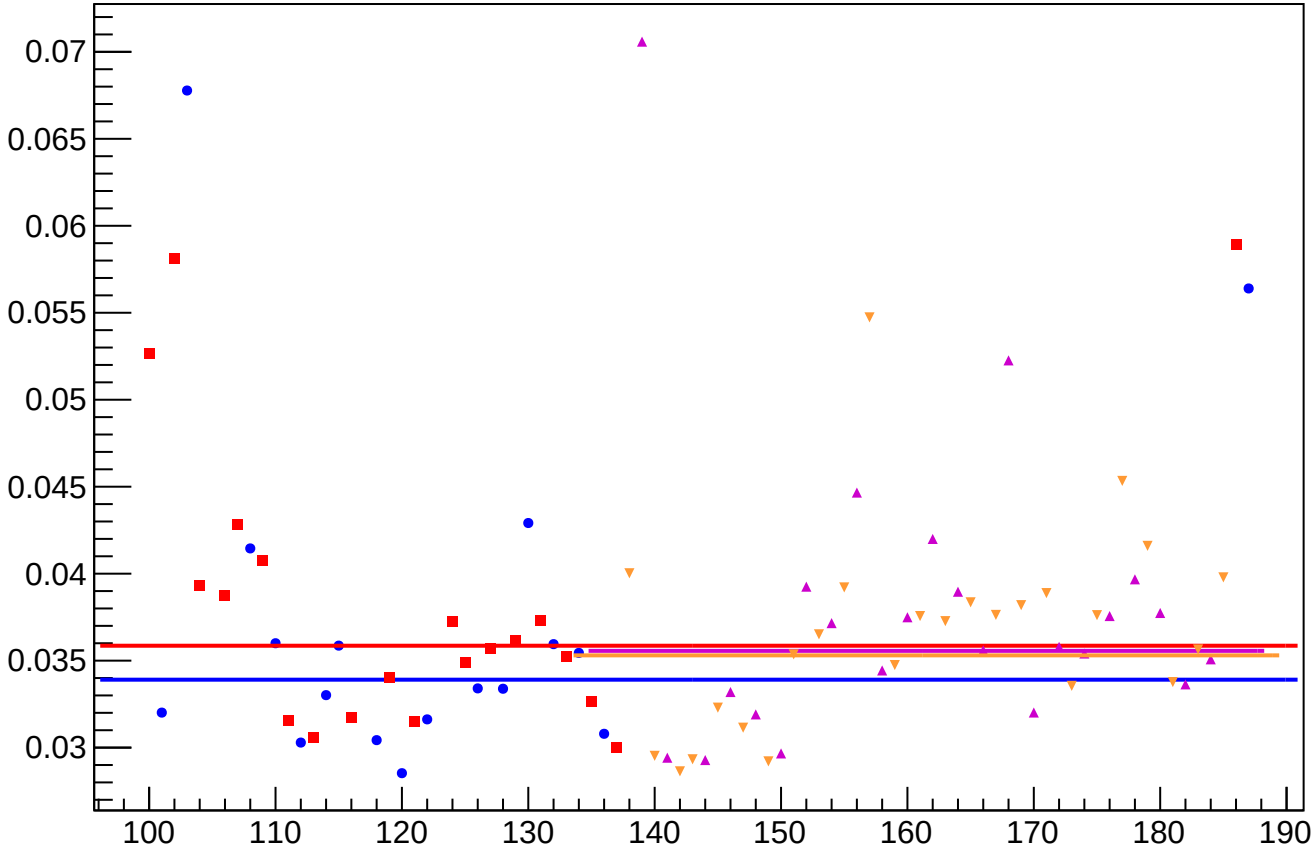
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.143+/-0.000 χ^2/NDF: 8693021410.3/41

All: -0.160+/-0.000 χ^2/NDF: 16769858973.2/

- sign -0.179+/-0.000 χ^2/NDF: 8064702012.1/42

yield_bpm12X_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 475793.3/16

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

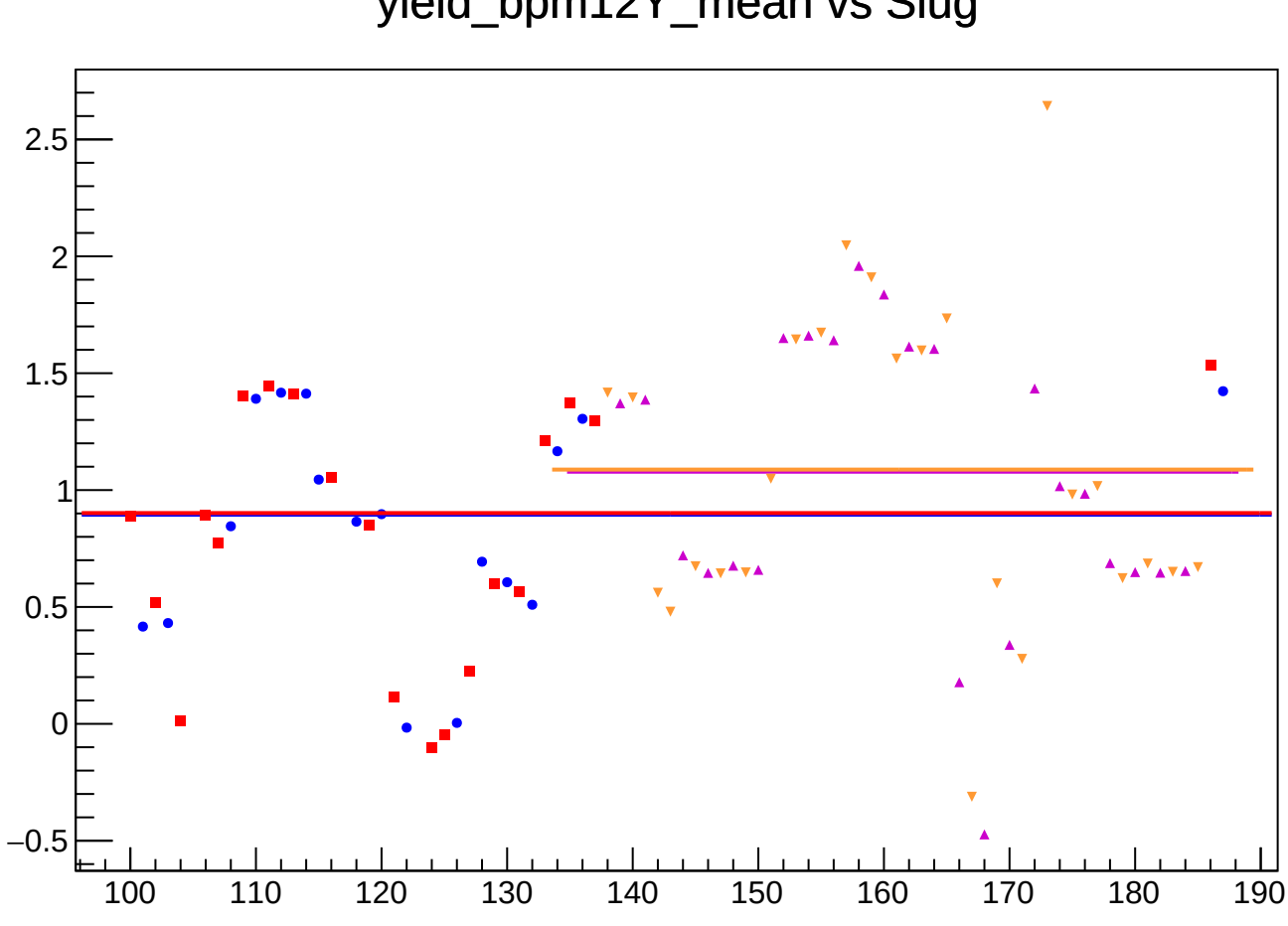
Right Out: 0.036+/-0.000 χ^2/NDF: 417132.7/19

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.035+/-0.000 χ^2/NDF: 1103913.2/41

All: 0.035+/-0.000 χ^2/NDF: 2492684.5/84

- sign 0.036+/-0.000 χ^2/NDF: 1378164.2/42



Right In: 0.895+/-0.000 χ^2/NDF: 12763447196.8/16

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.902+/-0.000 χ^2/NDF: 17897155565.7/19

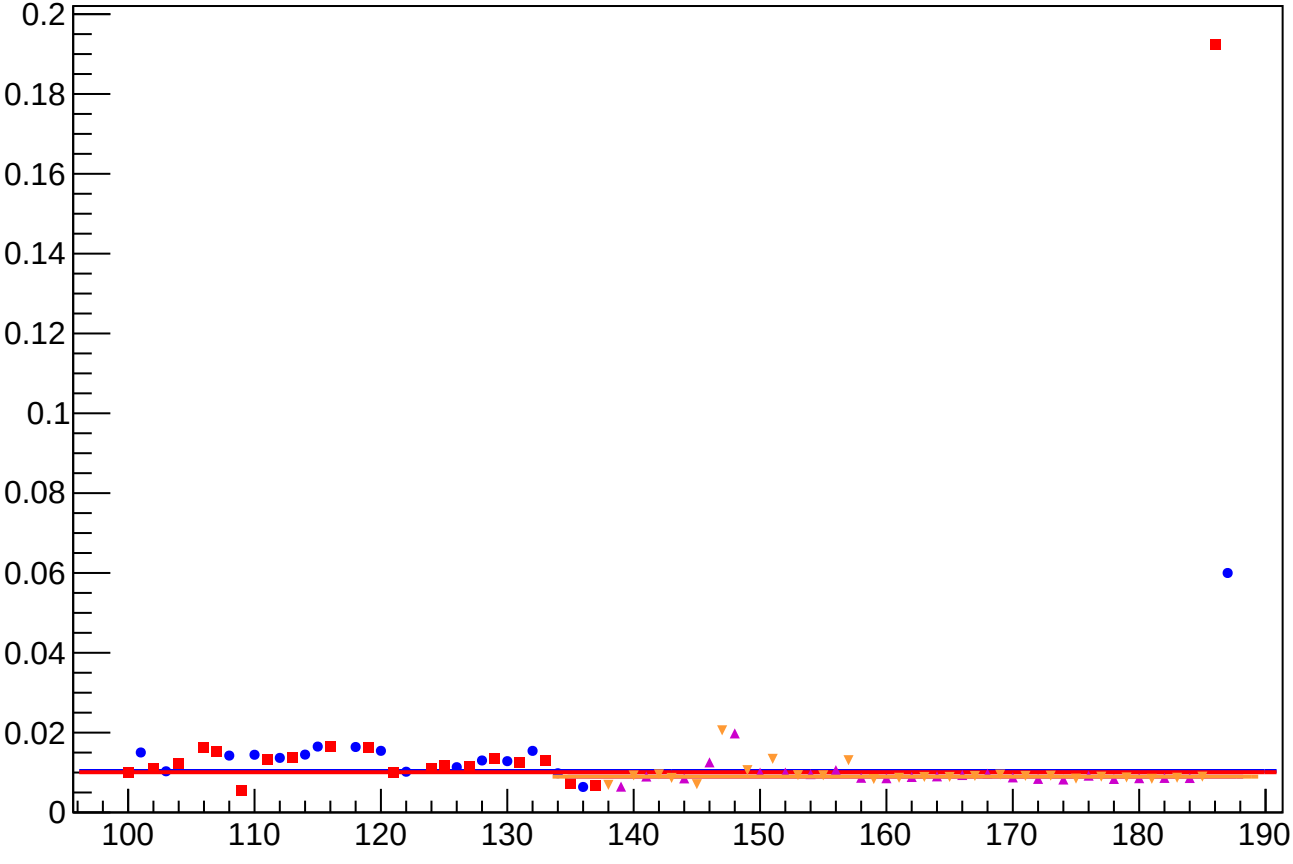
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.049+/-0.000 χ^2/NDF: 108277937409.8/41

All: 1.044+/-0.000 χ^2/NDF: 201740191045.8

- sign 1.039+/-0.000 χ^2/NDF: 93449122034.2/42

yield_bpm12Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1592812.3/16

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

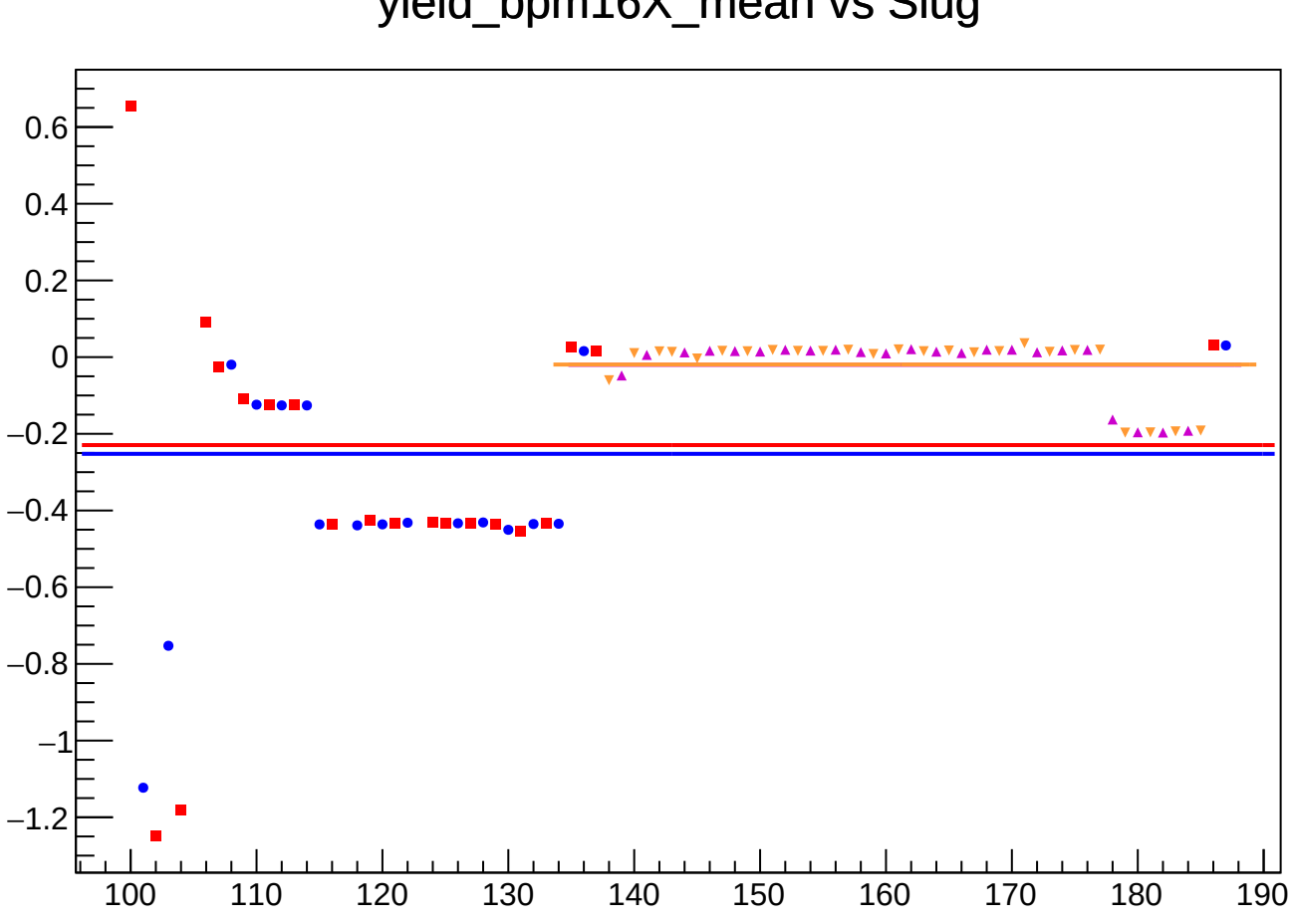
Right Out: 0.010+/-0.000 χ^2/NDF: 2016212.7/19

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2917469.0/41

All: 0.009+/-0.000 χ^2/NDF: 6021895.1/84

- sign 0.009+/-0.000 χ^2/NDF: 3103572.3/42



Right In: -0.252+/-0.000 χ^2/NDF: 2032069174.3/16

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.229+/-0.000 χ^2/NDF: 1821666664.4/19

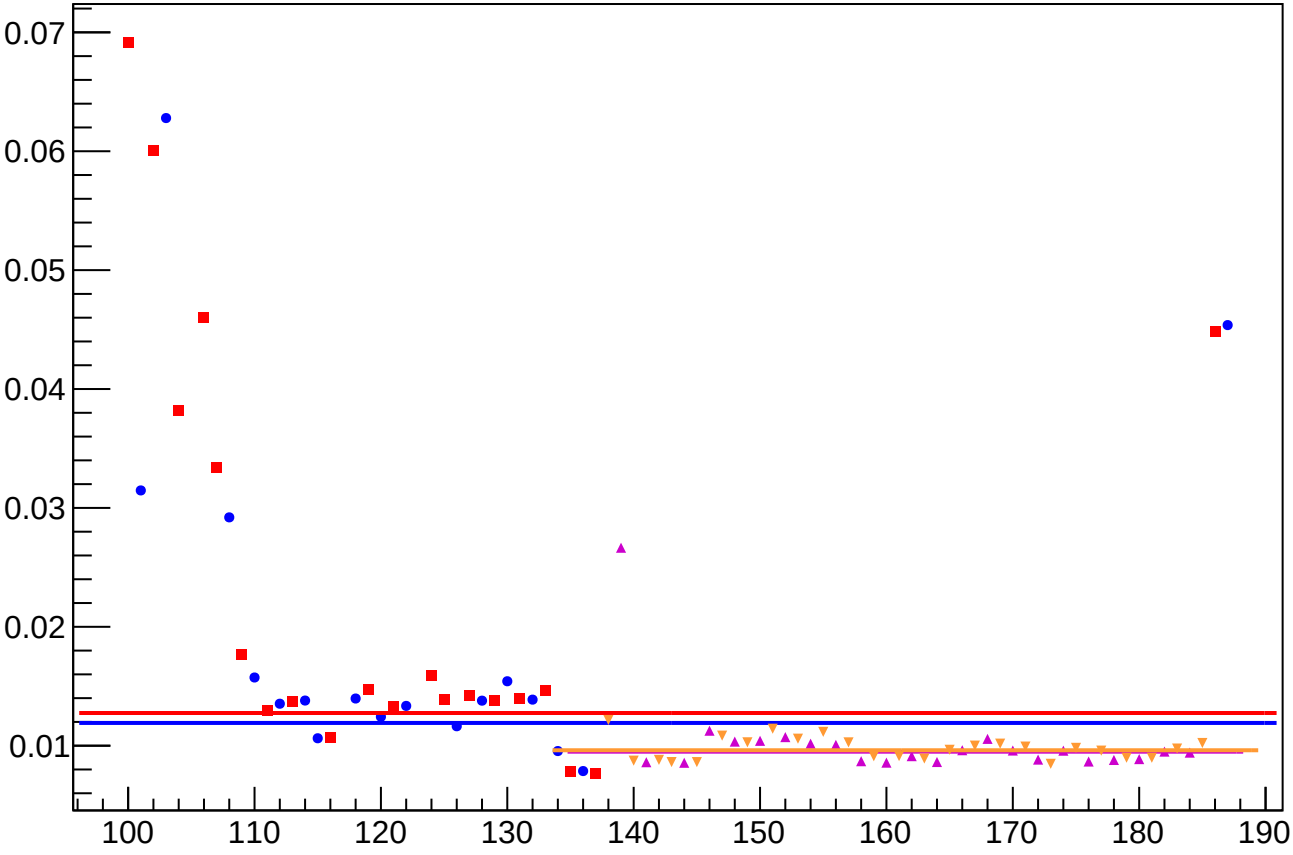
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.058+/-0.000 χ^2/NDF: 4698955005.0/41

All: -0.056+/-0.000 χ^2/NDF: 8683962620.8/8

- sign -0.053+/-0.000 χ^2/NDF: 3982561895.2/42

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2133915.3/16

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2607159.0/19

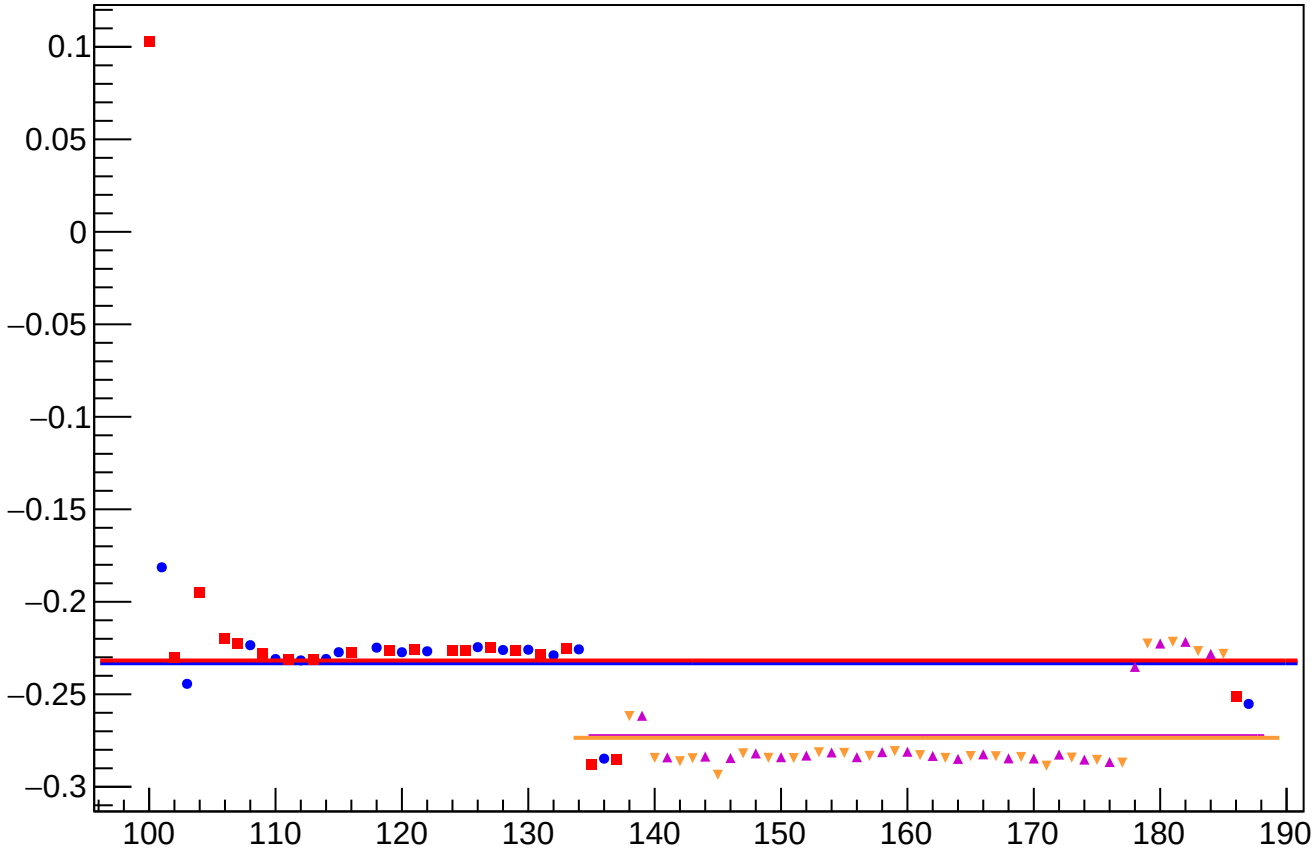
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 2719037.7/41

All: 0.010+/-0.000 χ^2/NDF: 6794804.3/84

- sign 0.010+/-0.000 χ^2/NDF: 4075718.7/42

yield_bpm16Y_mean vs Slug



Right In: -0.233+/-0.000 χ^2/NDF: 199785000.0/16

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.232+/-0.000 χ^2/NDF: 287362958.0/19

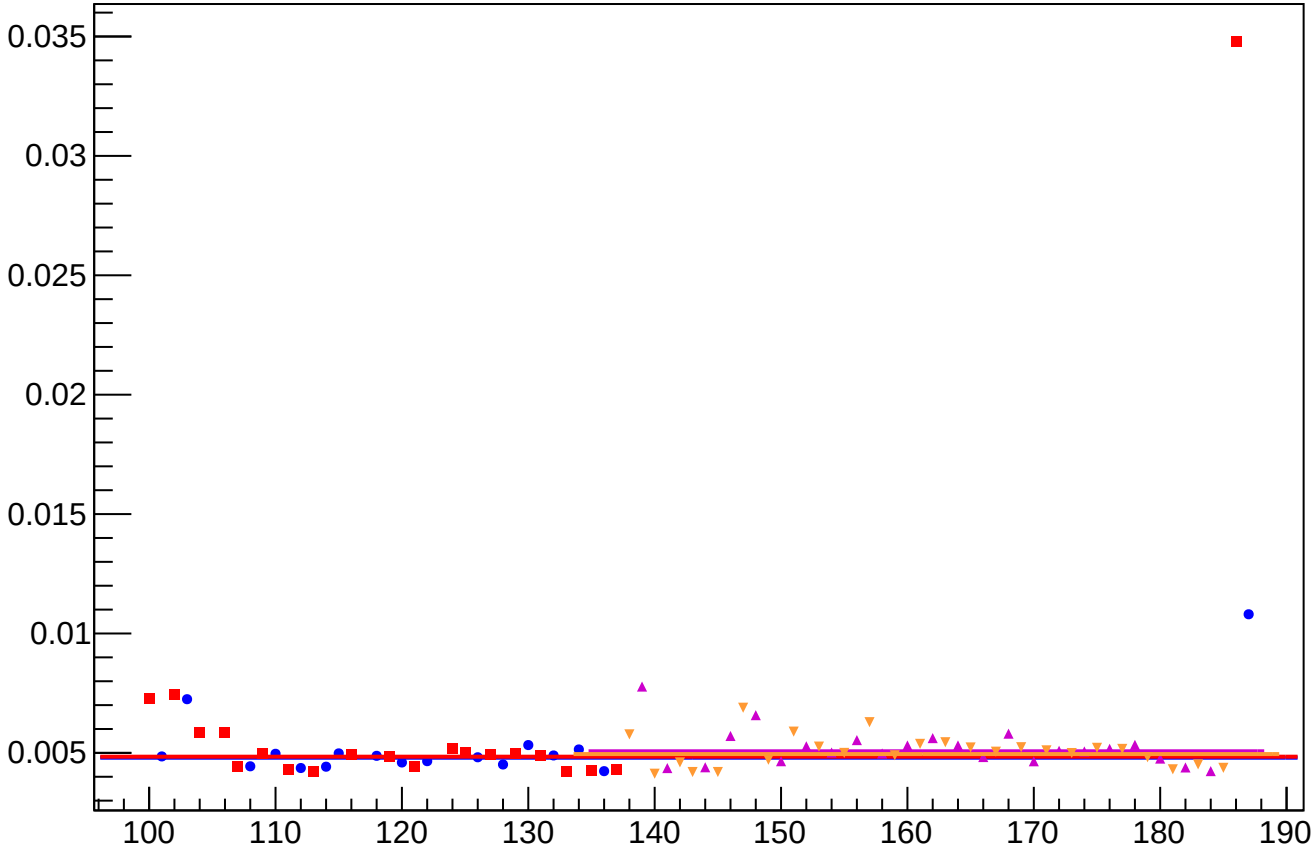
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.262+/-0.000 χ^2/NDF: 929170536.8/41

All: -0.261+/-0.000 χ^2/NDF: 1892130127.9/8

- sign -0.260+/-0.000 χ^2/NDF: 960859560.1/42

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 300072.6/16

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

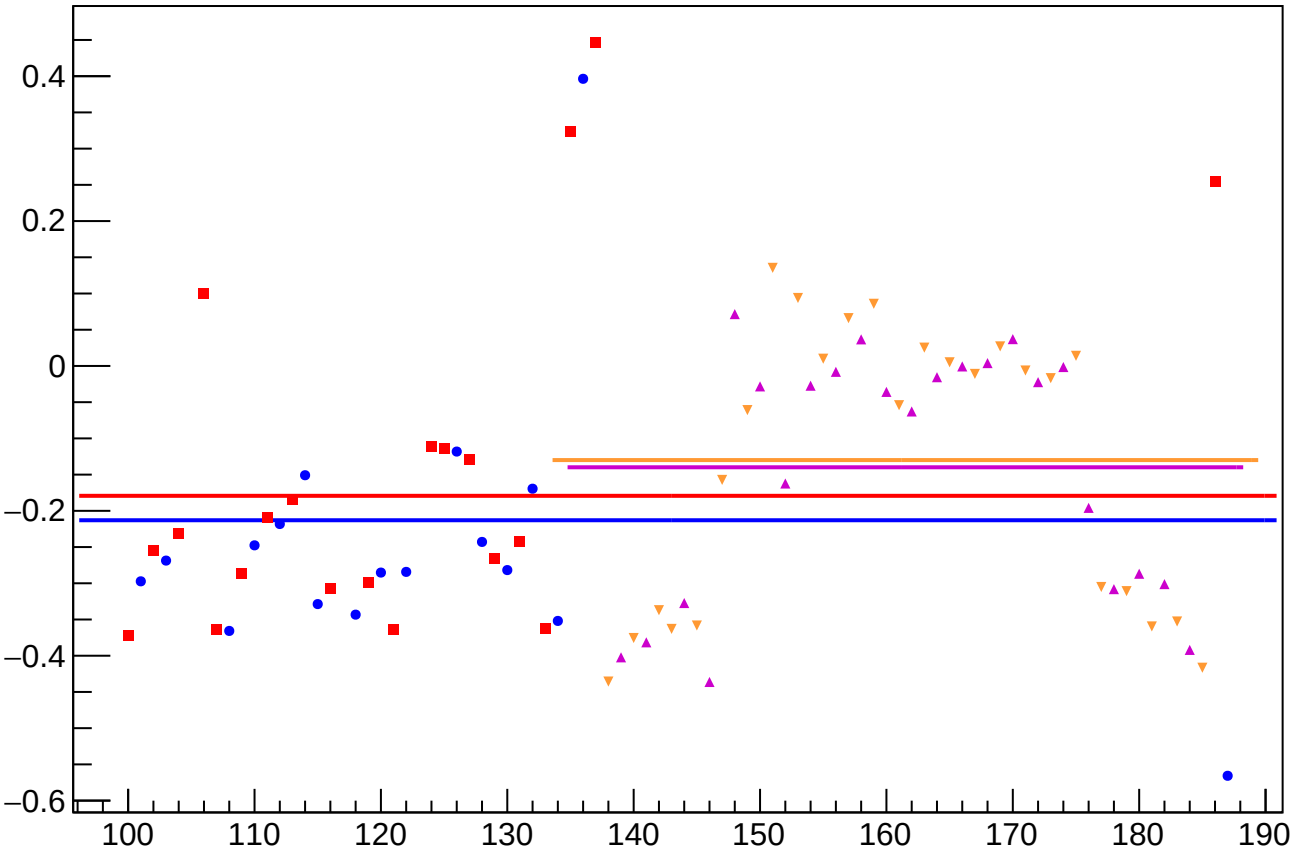
Right Out: 0.005+/-0.000 χ^2/NDF: 861972.8/19

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 838335.5/41

All: 0.005+/-0.000 χ^2/NDF: 2268492.3/84

- sign 0.005+/-0.000 χ^2/NDF: 1422082.4/42



Right In: -0.213+/-0.000 χ^2/NDF: 6603502430.1/16

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.179+/-0.000 χ^2/NDF: 6707407936.7/19

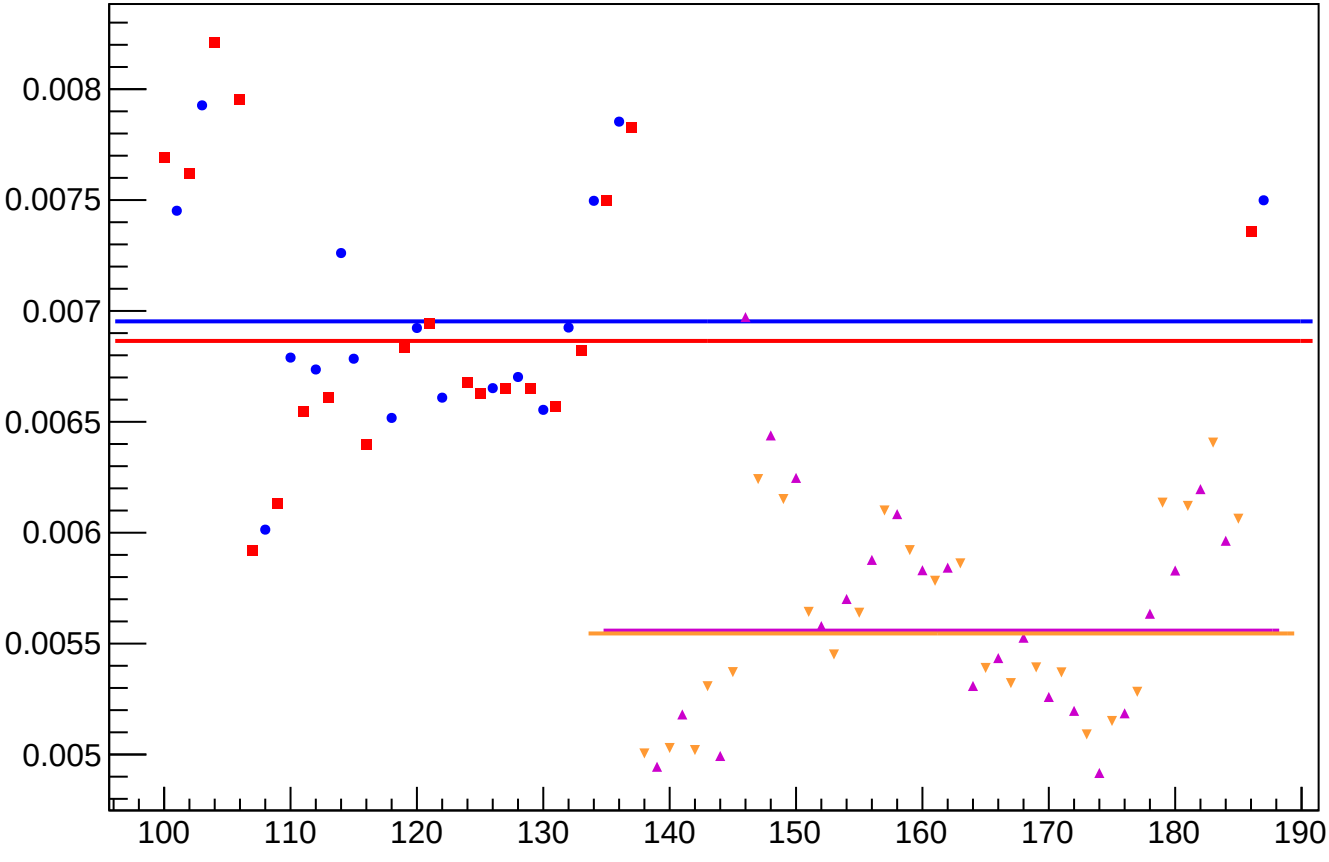
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.147+/-0.000 χ^2/NDF: 28923505126.4/41

All: -0.148+/-0.000 χ^2/NDF: 5097574928.0/

- sign -0.149+/-0.000 χ^2/NDF: 22050550657.1/42

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 87143.5/16

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

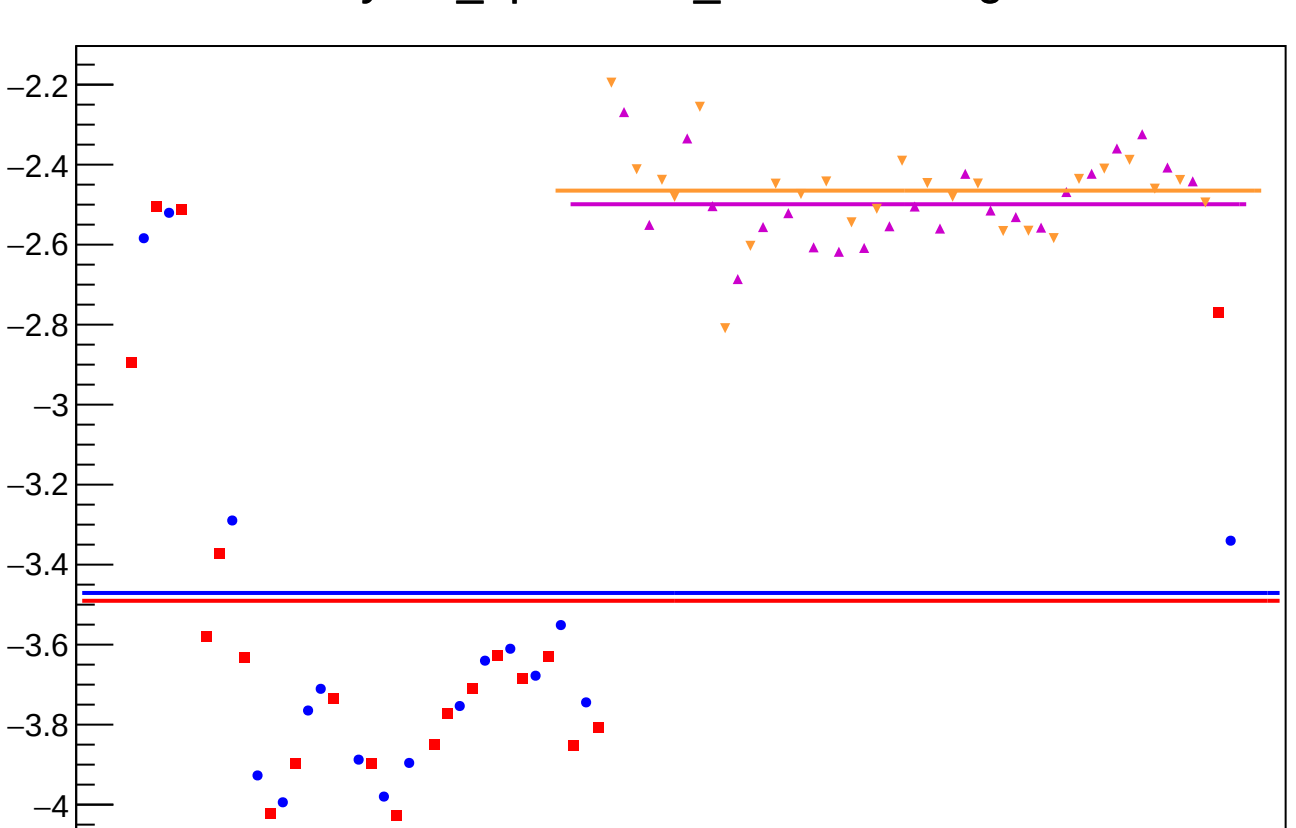
Right Out: 0.007+/-0.000 χ^2/NDF: 103562.4/19

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 761978.4/41

All: 0.006+/-0.000 χ^2/NDF: 1554671.2/84

- sign 0.006+/-0.000 χ^2/NDF: 792273.7/42



Right In: -3.471+/-0.000 χ^2/NDF: 29612779294.7/16

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.490+/-0.000 χ^2/NDF: 31398624612.6/19

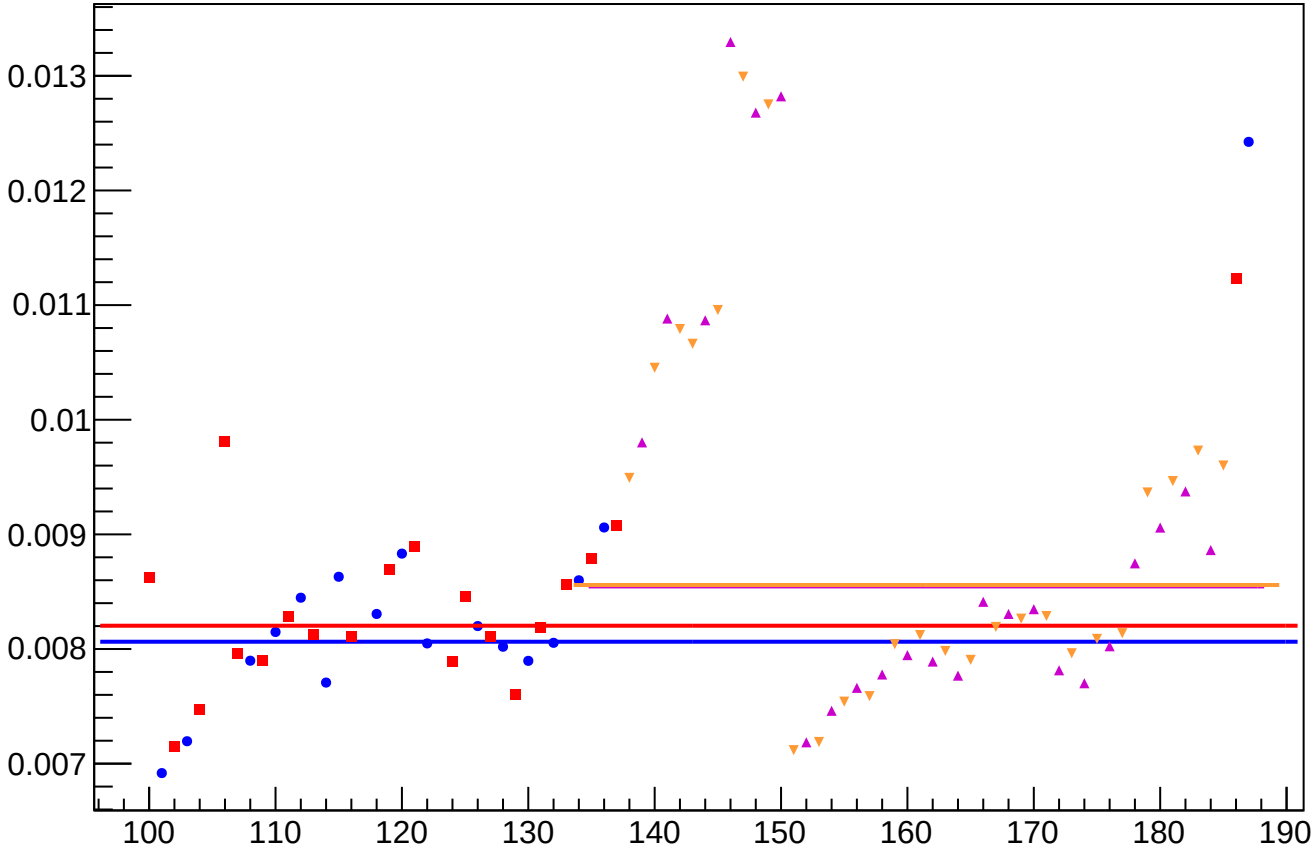
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.775+/-0.000 χ^2/NDF: 108725715606.0/41

All: -2.796+/-0.000 χ^2/NDF: 216811968921.3

- sign -2.818+/-0.000 χ^2/NDF: 107753974517.6/42

yield_bpm0i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 131753.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 130734.4/19

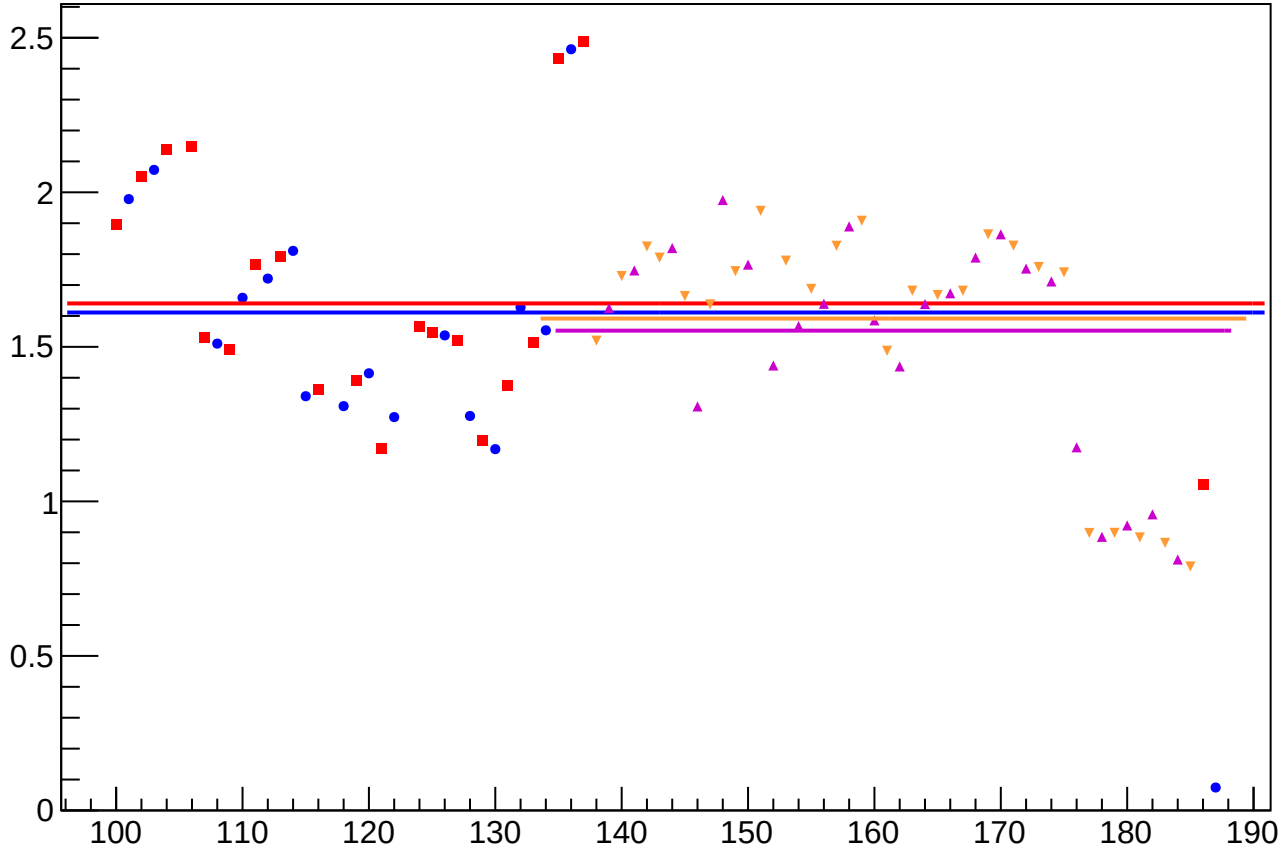
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 993018.7/41

All: 0.008+/-0.000 χ^2/NDF: 2052529.4/84

- sign 0.008+/-0.000 χ^2/NDF: 1059203.1/42

yield_bpm0i02aX_mean vs Slug



Right In: 1.611+/-0.000 χ^2/NDF: 9773210619.5/16

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

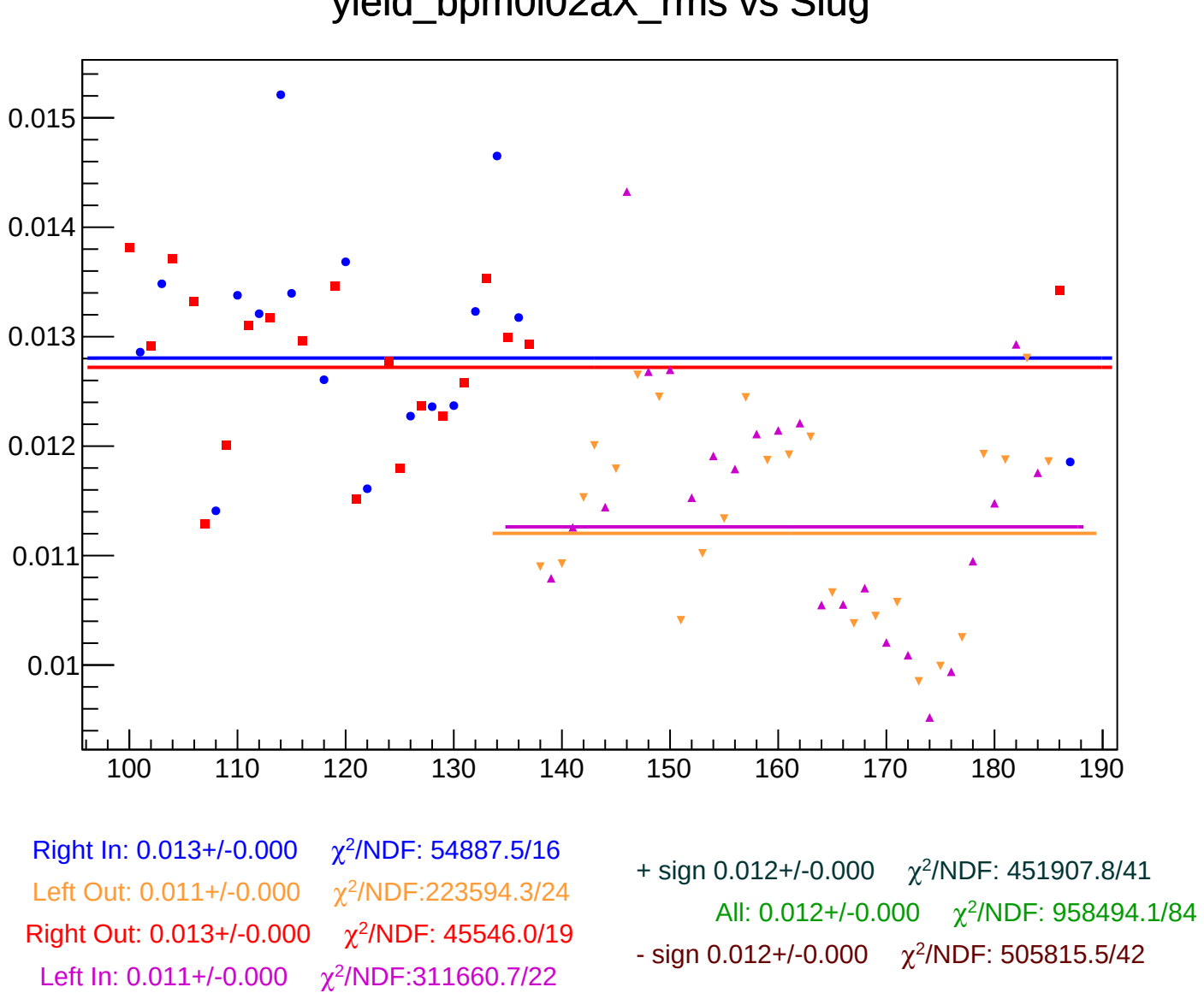
Right Out: 1.640+/-0.000 χ^2/NDF: 7140702421.4/19

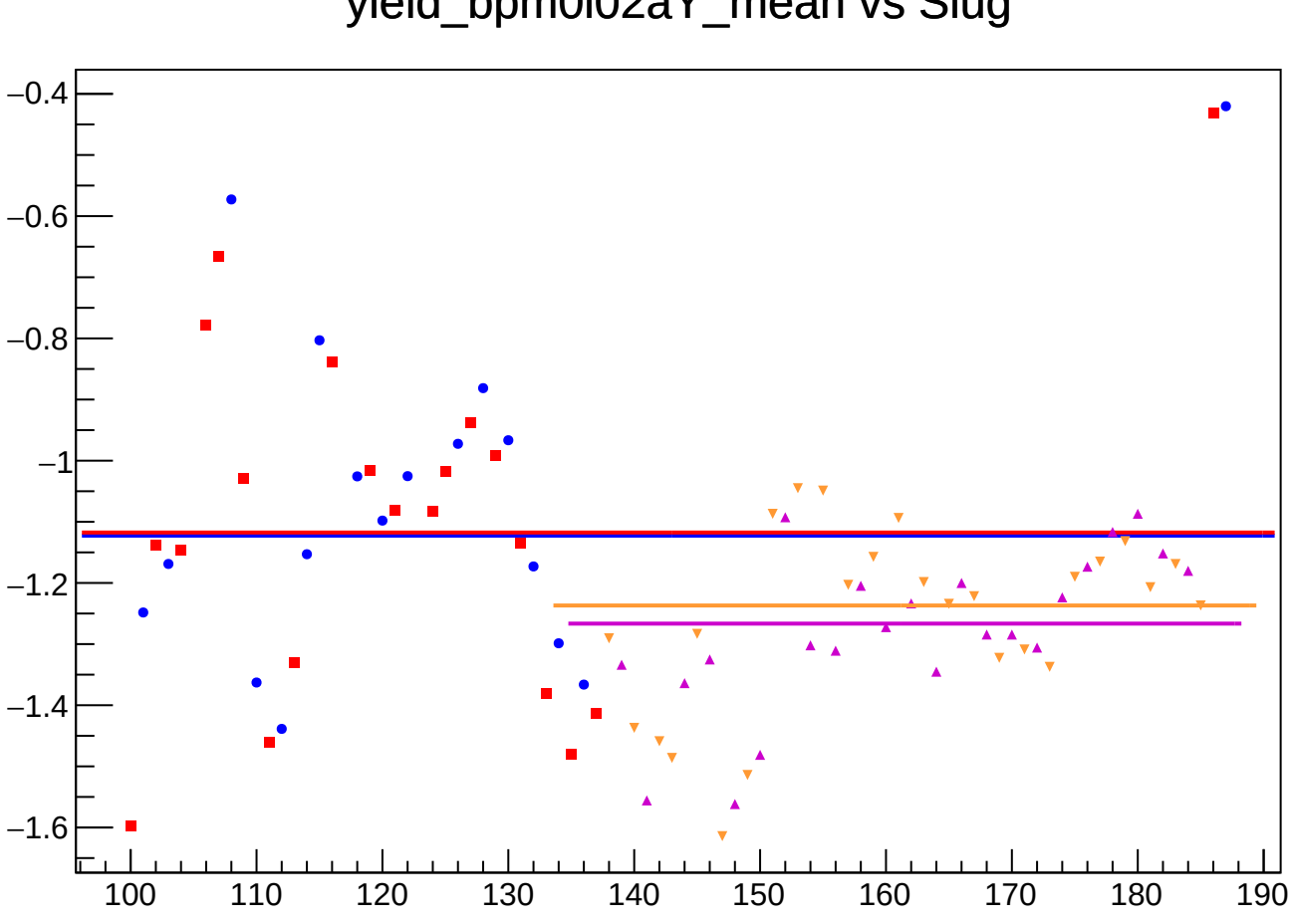
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.596+/-0.000 χ^2/NDF: 26864950022.7/41

All: 1.586+/-0.000 χ^2/NDF: 48374434806.6/8

- sign 1.575+/-0.000 χ^2/NDF: 21467829361.5/42


yield_bpm0i02aX_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.013+/-0.000 χ²/NDF: 54887.5/16
Left Out: 0.011+/-0.000 χ²/NDF:223594.3/24
Right Out: 0.013+/-0.000 χ²/NDF: 45546.0/19
Left In: 0.011+/-0.000 χ²/NDF:311660.7/22
+ sign 0.012+/-0.000 χ²/NDF: 451907.8/41
All: 0.012+/-0.000 χ²/NDF: 958494.1/84
- sign 0.012+/-0.000 χ²/NDF: 505815.5/42



Right In: -1.123+/-0.000 χ^2/NDF: 4301070068.3/16

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -1.118+/-0.000 χ^2/NDF: 5019170062.0/19

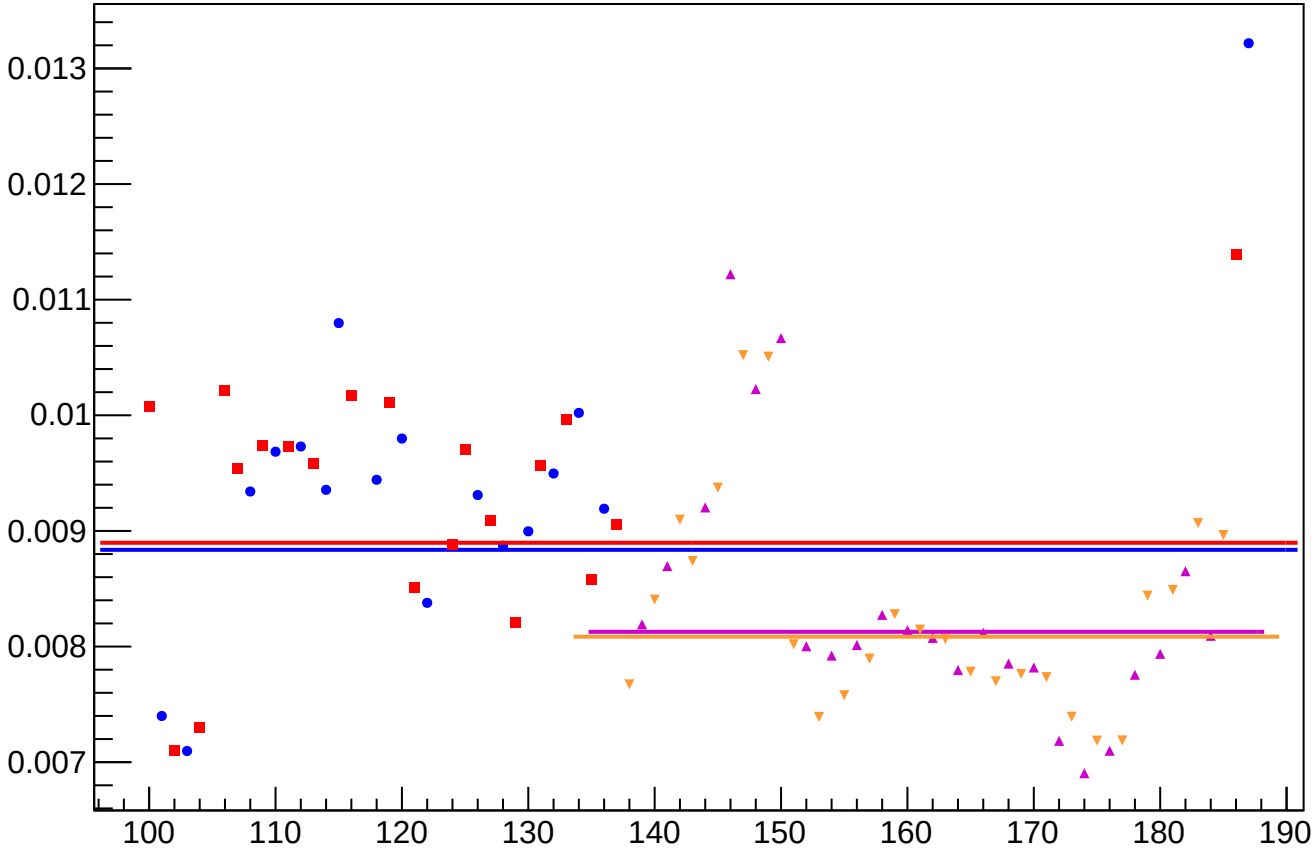
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.209+/-0.000 χ^2/NDF: 10157966705.3/41

All: -1.218+/-0.000 χ^2/NDF: 20425257257.0/

- sign -1.227+/-0.000 χ^2/NDF: 10205928173.9/42

yield_bpm0i02aY_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 213246.4/16

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

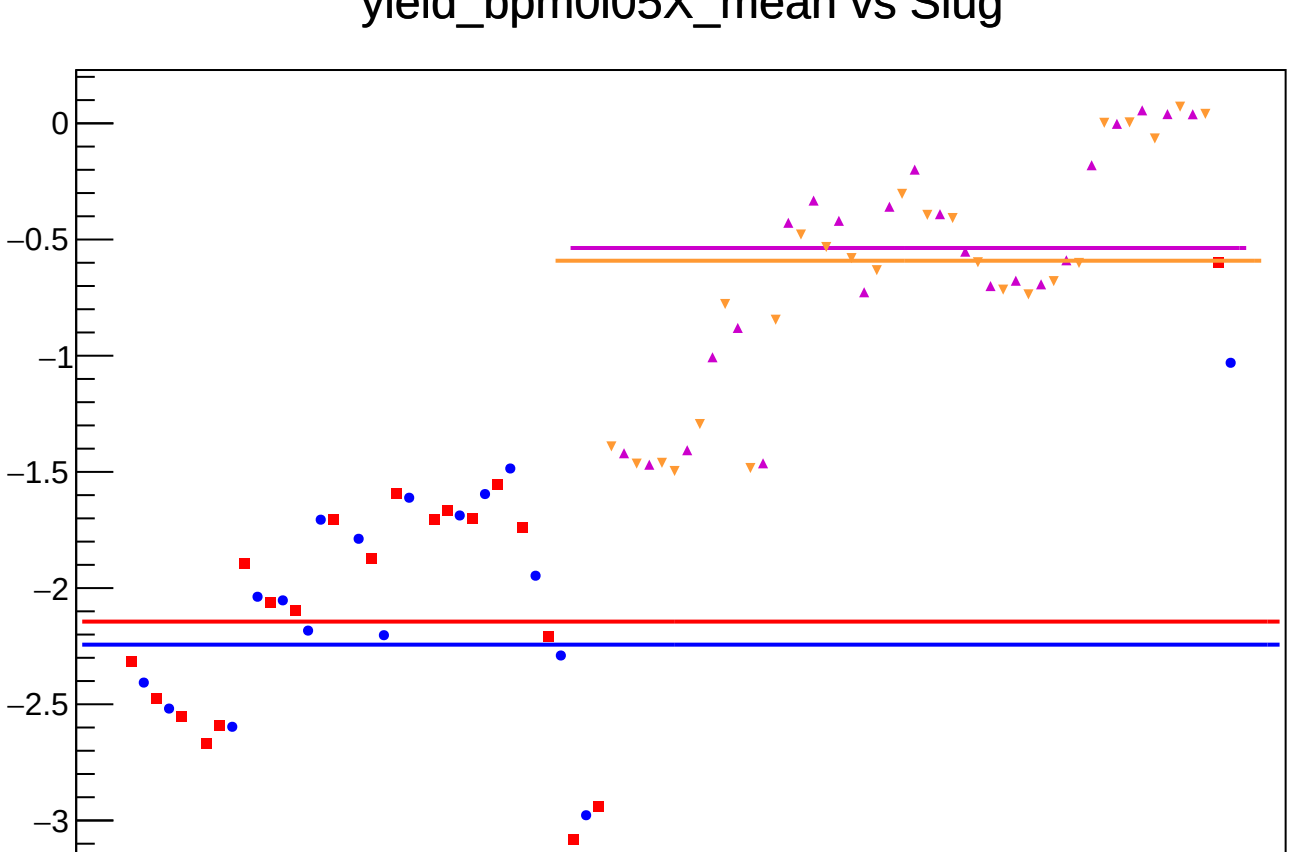
Right Out: 0.009+/-0.000 χ^2/NDF: 243367.0/19

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 616536.3/41

All: 0.008+/-0.000 χ^2/NDF: 1351001.3/84

- sign 0.008+/-0.000 χ^2/NDF: 733149.9/42



Right In: -2.243+/-0.000 χ^2/NDF: 20303380781.8/16

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -2.144+/-0.000 χ^2/NDF: 39292935592.1/19

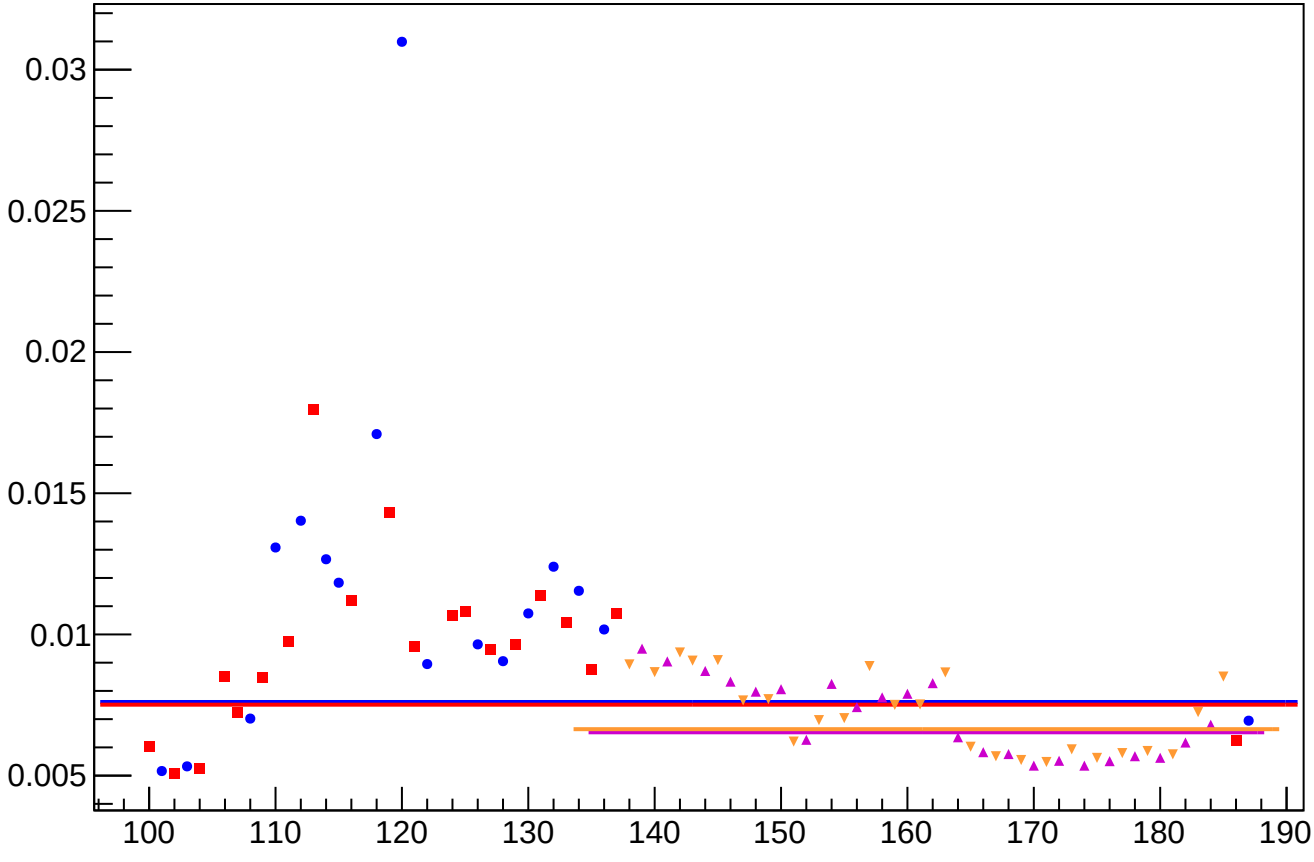
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.910+/-0.000 χ^2/NDF: 292575337847.0/41

All: -0.899+/-0.000 χ^2/NDF: 611874282544.4

- sign -0.888+/-0.000 χ^2/NDF: 319185396839.9/42

yield_bpm0i05X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1713823.7/16

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

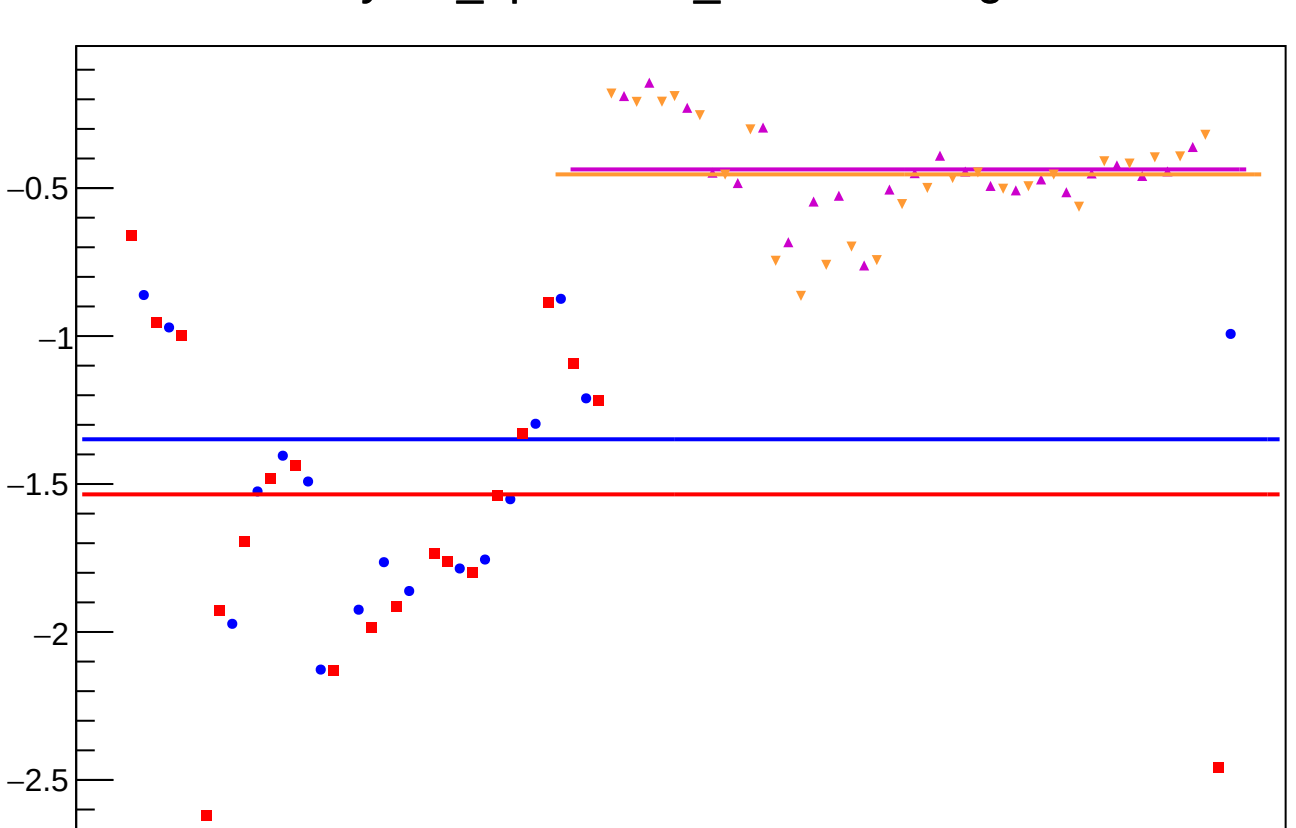
Right Out: 0.008+/-0.000 χ^2/NDF: 1348186.7/19

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2941257.0/41

All: 0.007+/-0.000 χ^2/NDF: 5599037.5/84

- sign 0.007+/-0.000 χ^2/NDF: 2654591.8/42



Right In: -1.349+/-0.000 χ^2/NDF: 22024366534.9/16

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.535+/-0.000 χ^2/NDF: 50313084695.6/19

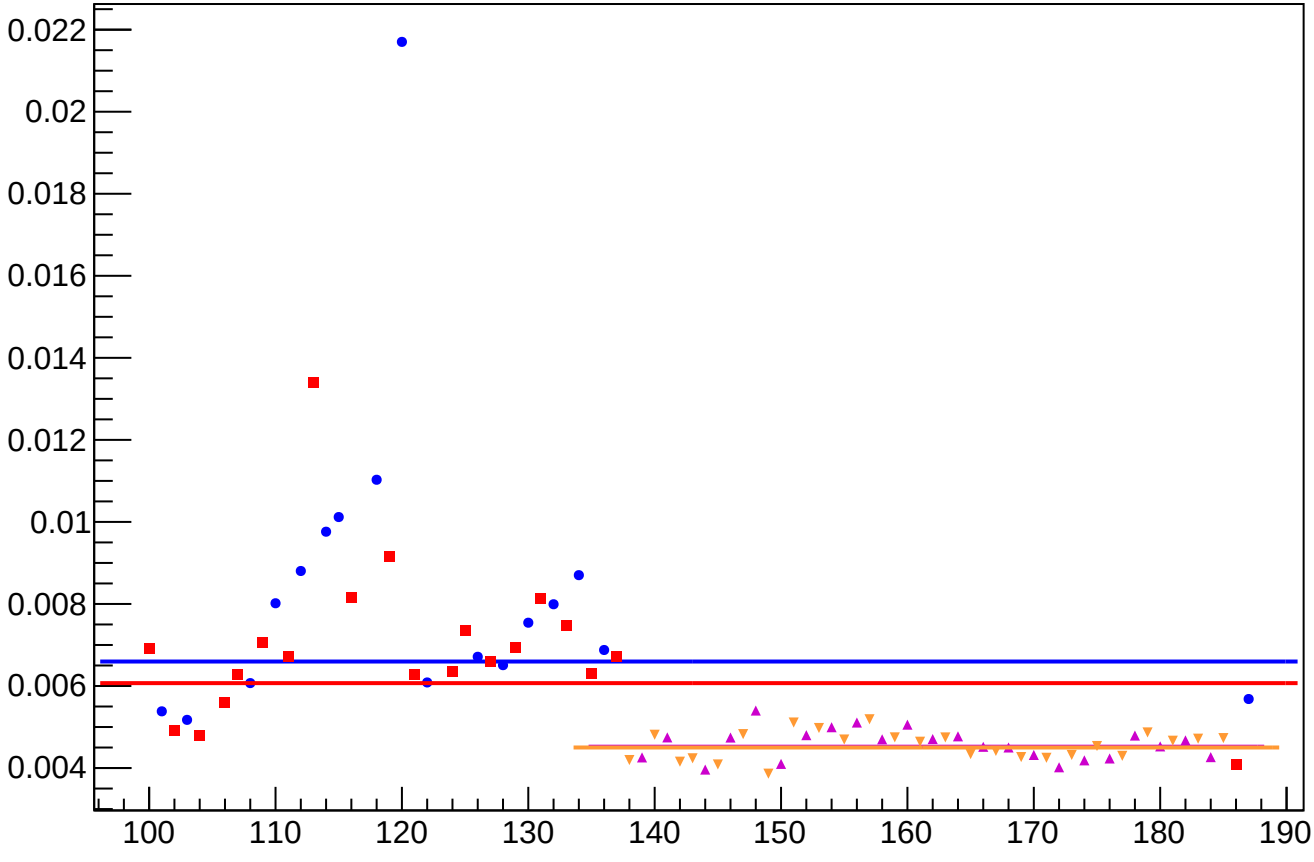
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.575+/-0.000 χ^2/NDF: 145354174838.6/41

All: -0.602+/-0.000 χ^2/NDF: 385920960776.

- sign -0.629+/-0.000 χ^2/NDF: 239081255335.2/42

yield_bpm0i05Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 700798.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

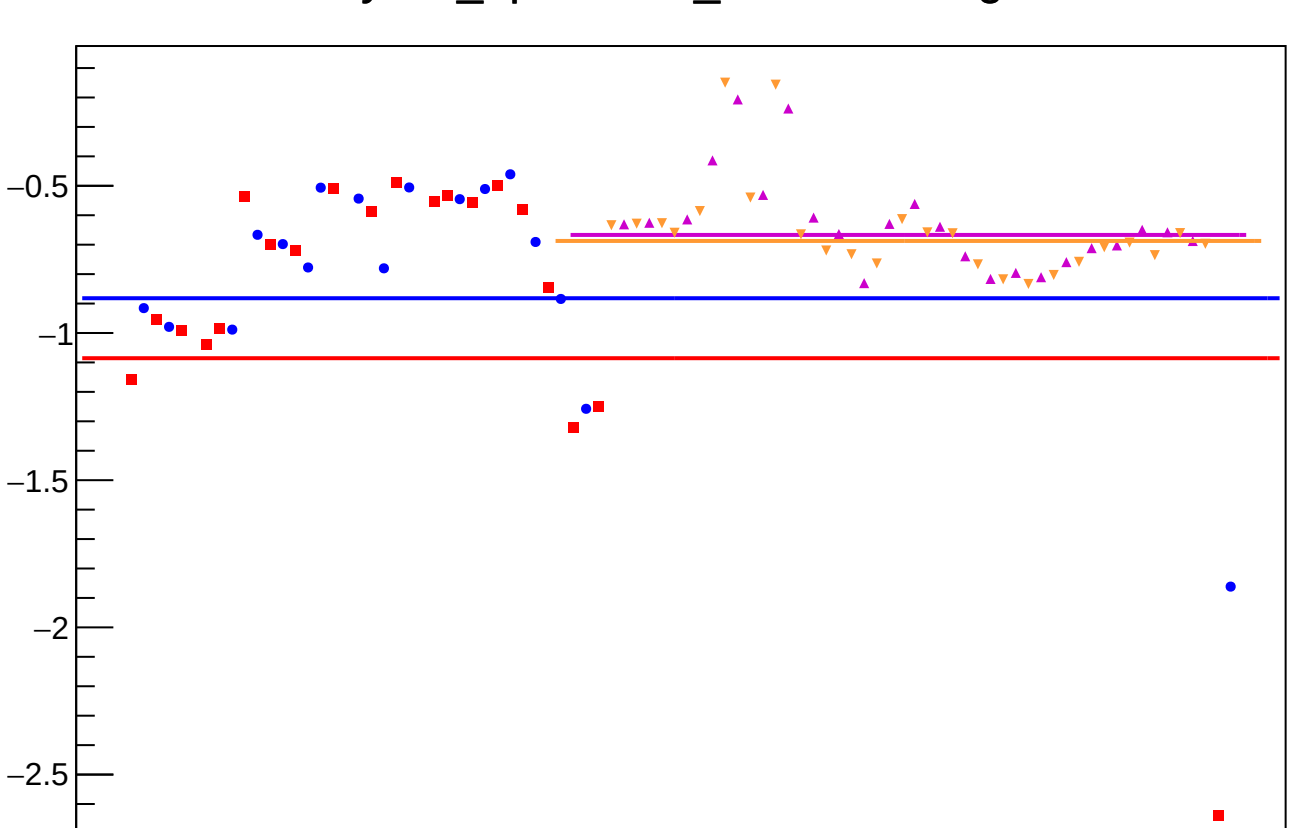
Right Out: 0.006+/-0.000 χ^2/NDF: 716141.9/19

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 1922979.4/41

All: 0.005+/-0.000 χ^2/NDF: 3536928.0/84

- sign 0.005+/-0.000 χ^2/NDF: 1613888.5/42



Right In: -0.882+/-0.000 χ^2/NDF: 23575280287.6/16

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.086+/-0.000 χ^2/NDF: 115651195879.2/19

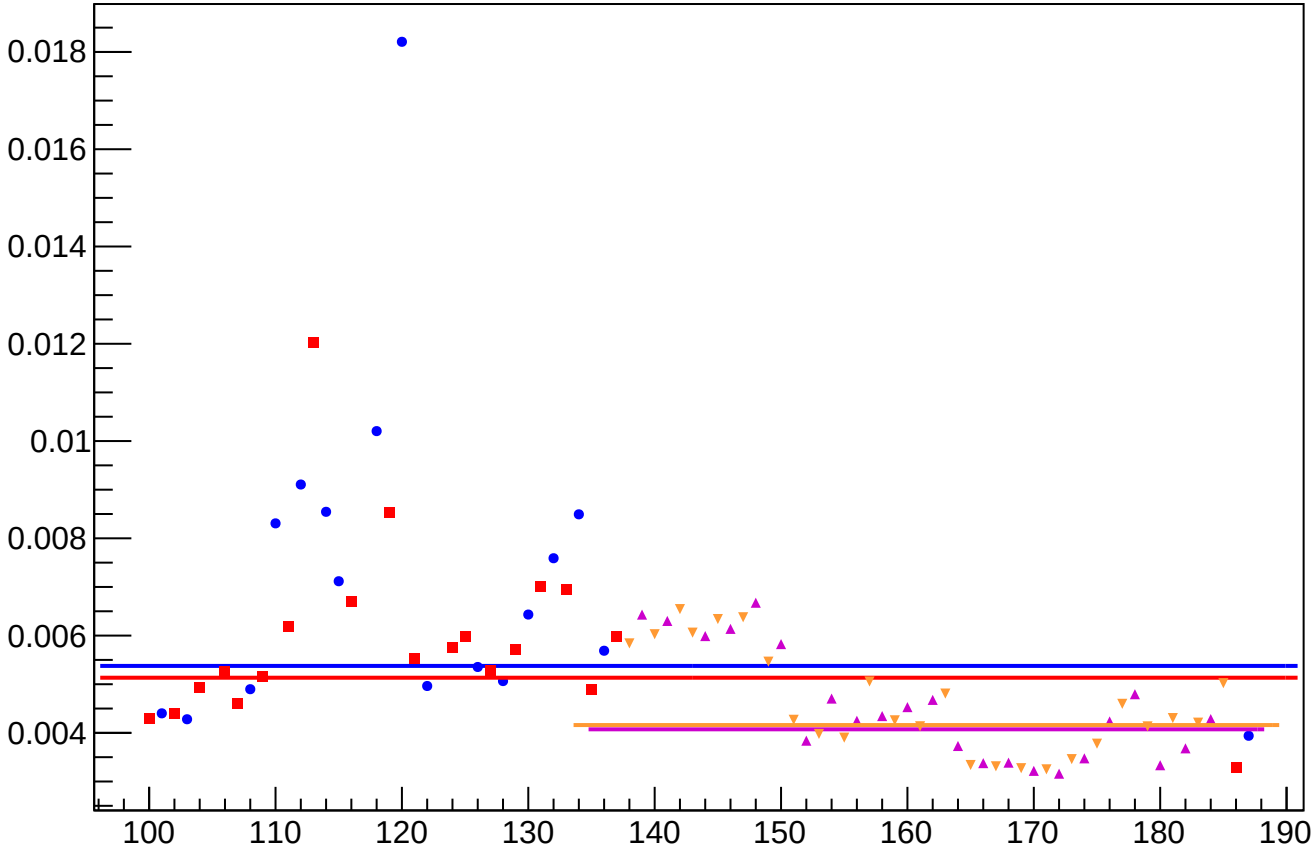
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.720+/-0.000 χ^2/NDF: 52201969995.8/41

All: -0.735+/-0.000 χ^2/NDF: 224218873528.8

- sign -0.750+/-0.000 χ^2/NDF: 171478280005.2/42

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1010272.6/16

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

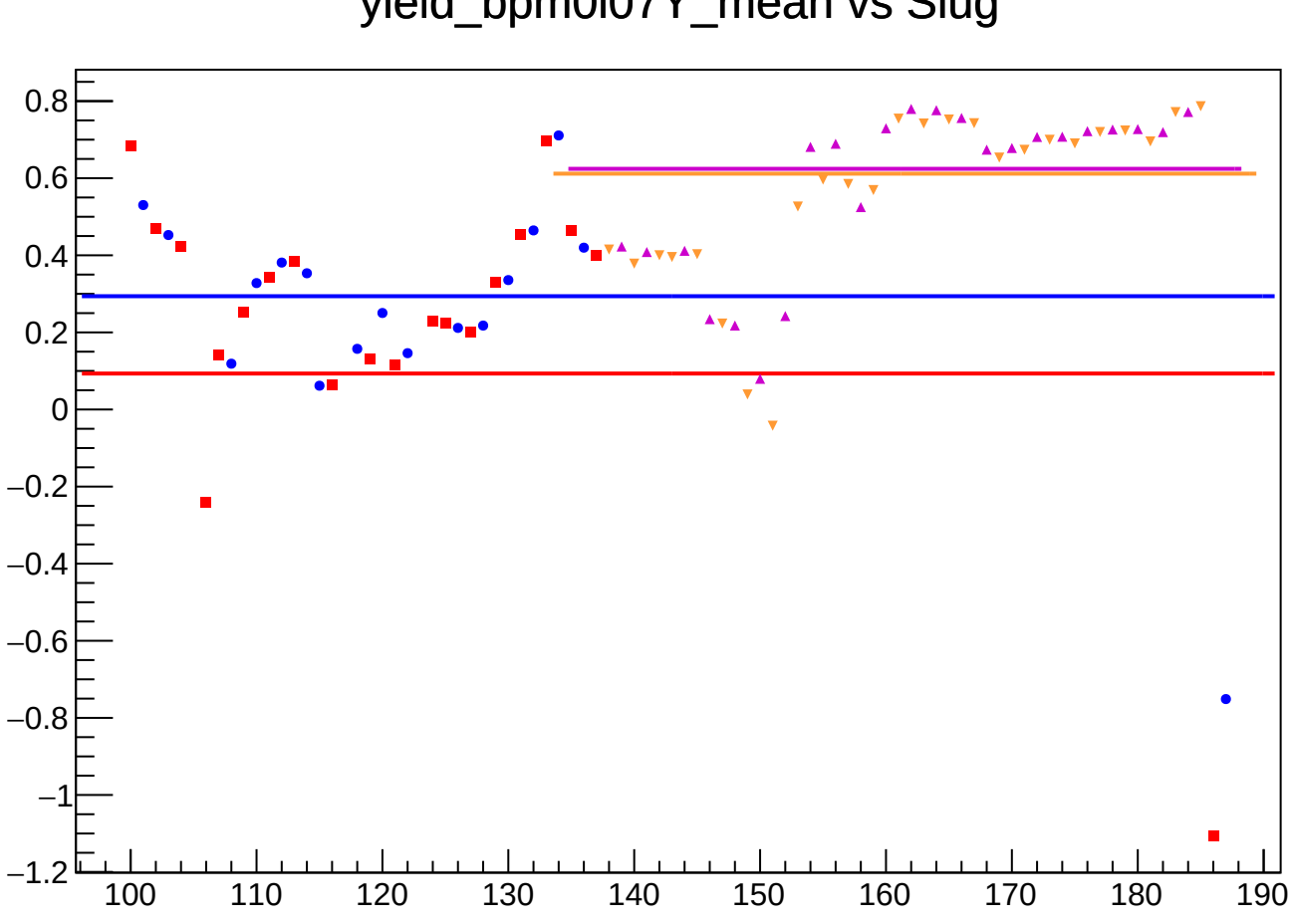
Right Out: 0.005+/-0.000 χ^2/NDF: 791568.9/19

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 3011745.5/41

All: 0.004+/-0.000 χ^2/NDF: 5988949.7/84

- sign 0.004+/-0.000 χ^2/NDF: 2969453.7/42



Right In: 0.294+/-0.000 χ^2/NDF: 36316046087.1/16

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: 0.093+/-0.000 χ^2/NDF: 156892102184.0/19

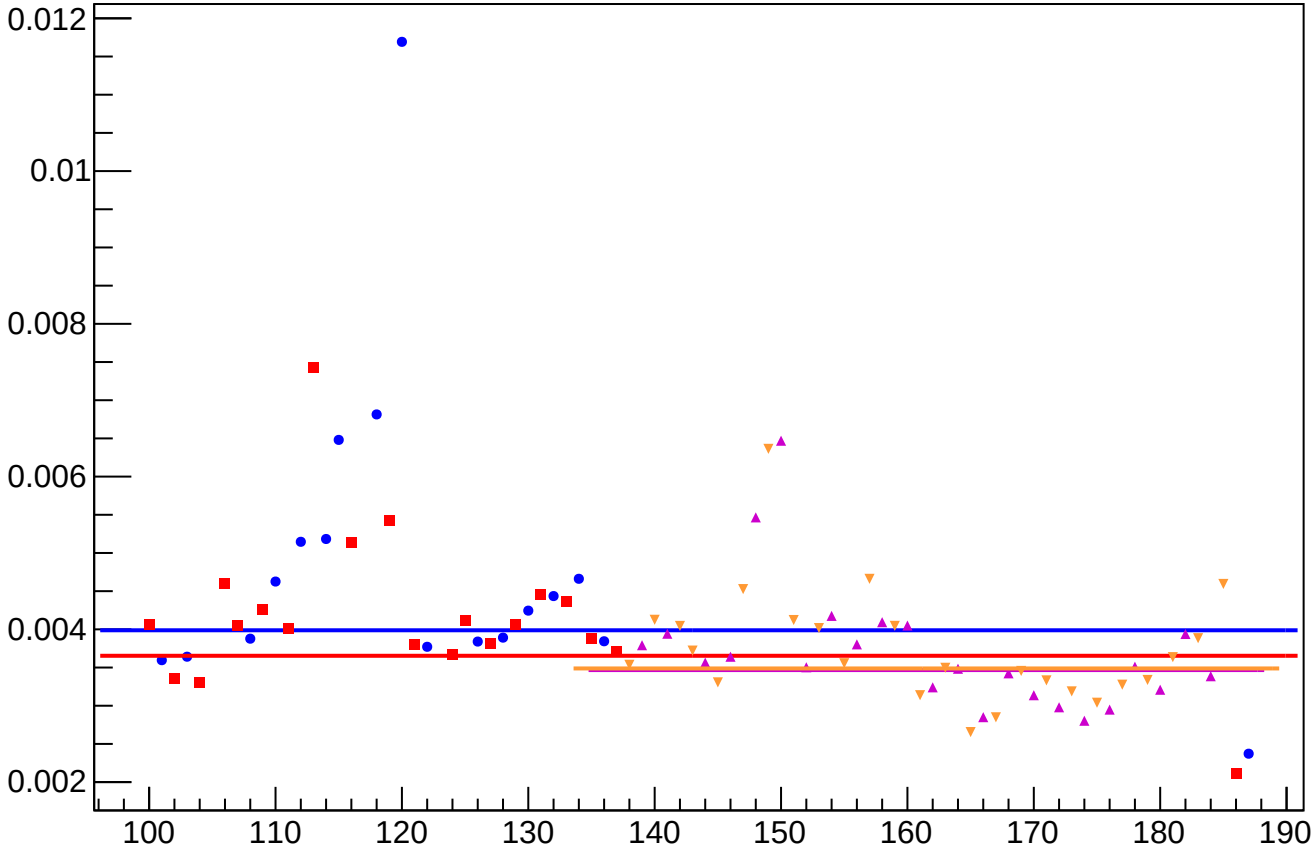
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.539+/-0.000 χ^2/NDF: 112442320152.1/41

All: 0.507+/-0.000 χ^2/NDF: 412807993535.1

- sign 0.476+/-0.000 χ^2/NDF: 296917672109.1/42

yield_bpm0i07Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 623449.4/16

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

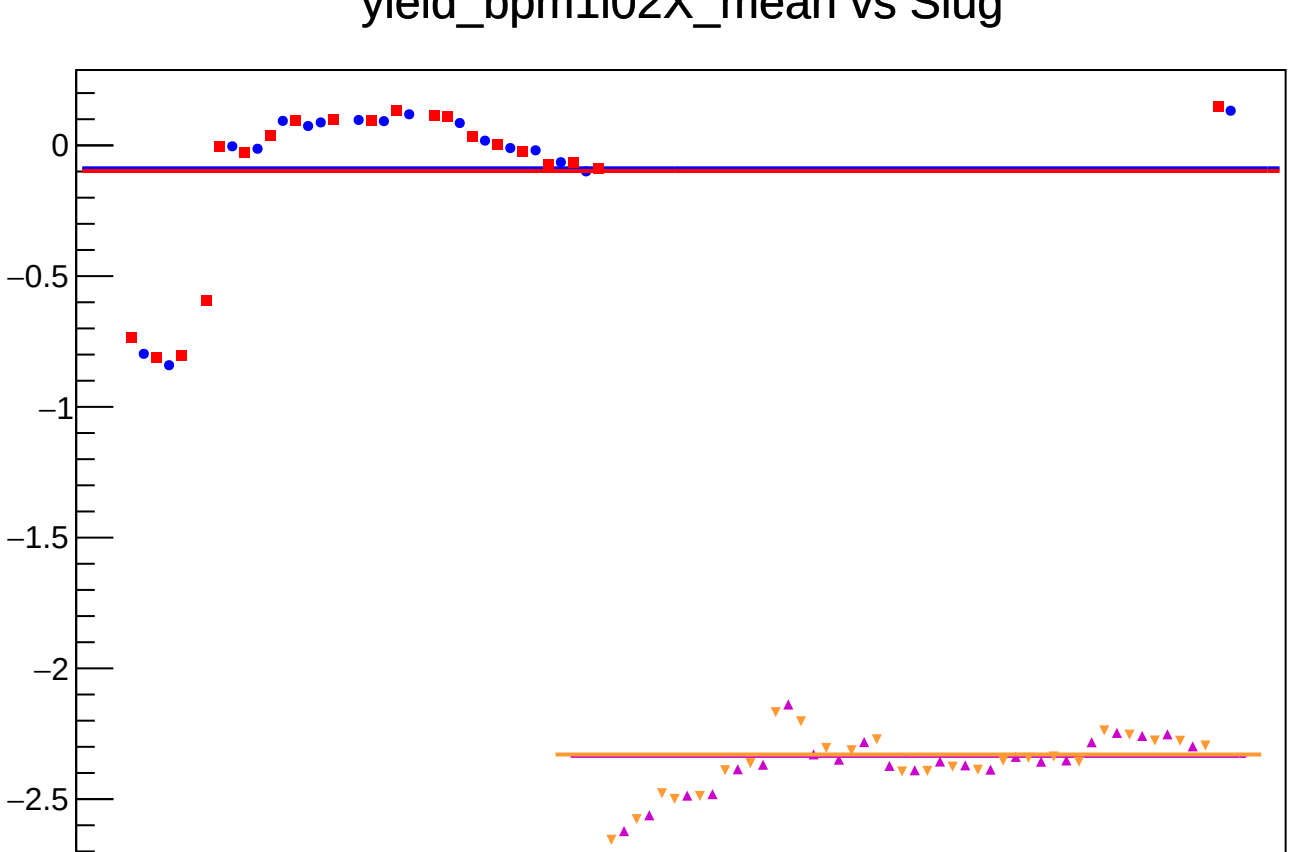
Right Out: 0.004+/-0.000 χ^2/NDF: 792259.2/19

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.004+/-0.000 χ^2/NDF: 1624434.2/41

All: 0.004+/-0.000 χ^2/NDF: 3347462.0/84

- sign 0.004+/-0.000 χ^2/NDF: 1711108.0/42



Right In: -0.088+/-0.000 χ^2/NDF: 5583333480.8/16

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.098+/-0.000 χ^2/NDF: 6434200767.5/19

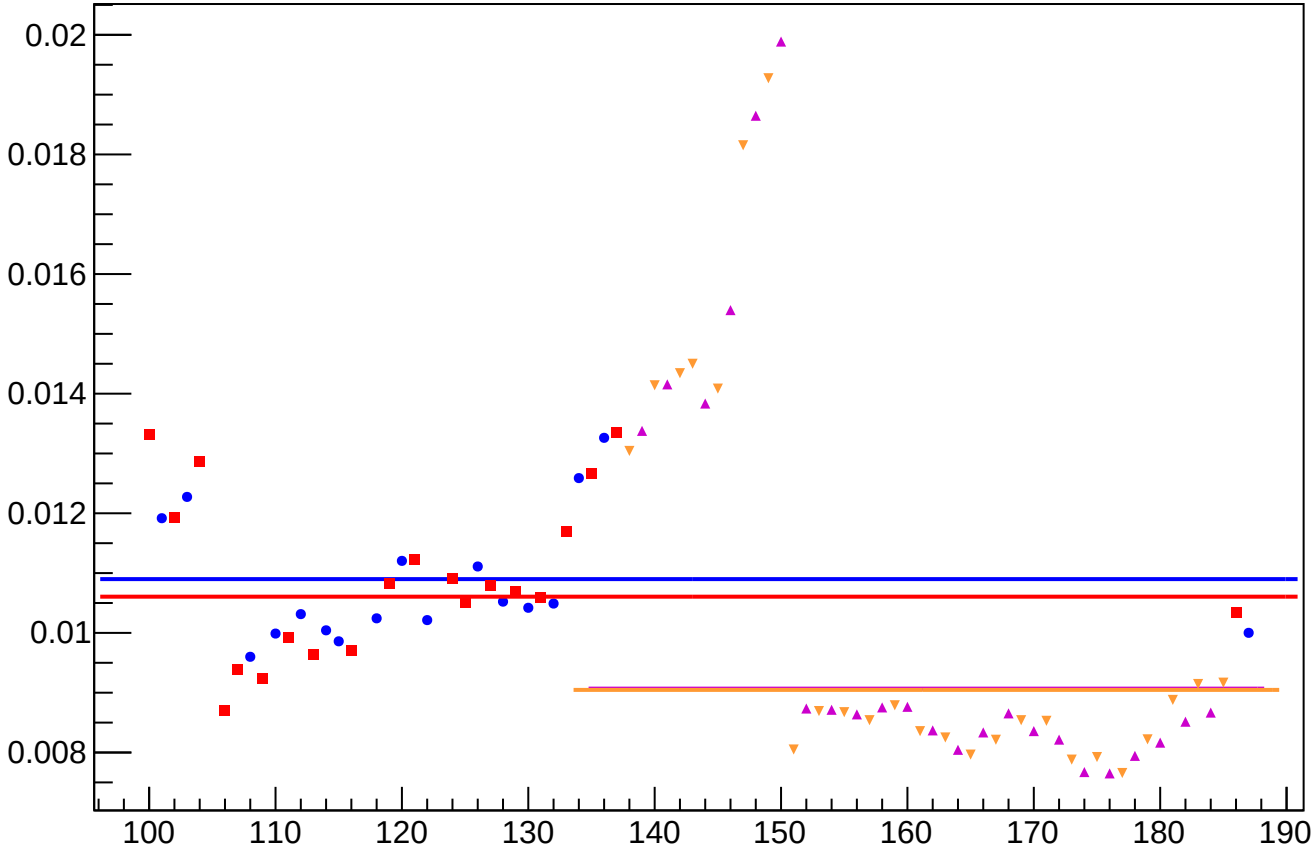
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.843+/-0.000 χ^2/NDF: 249663794382.5/41

All: -1.811+/-0.000 χ^2/NDF: 518239363204.3

- sign -1.778+/-0.000 χ^2/NDF: 267974583789.3/42

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 139592.3/16

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 191114.5/19

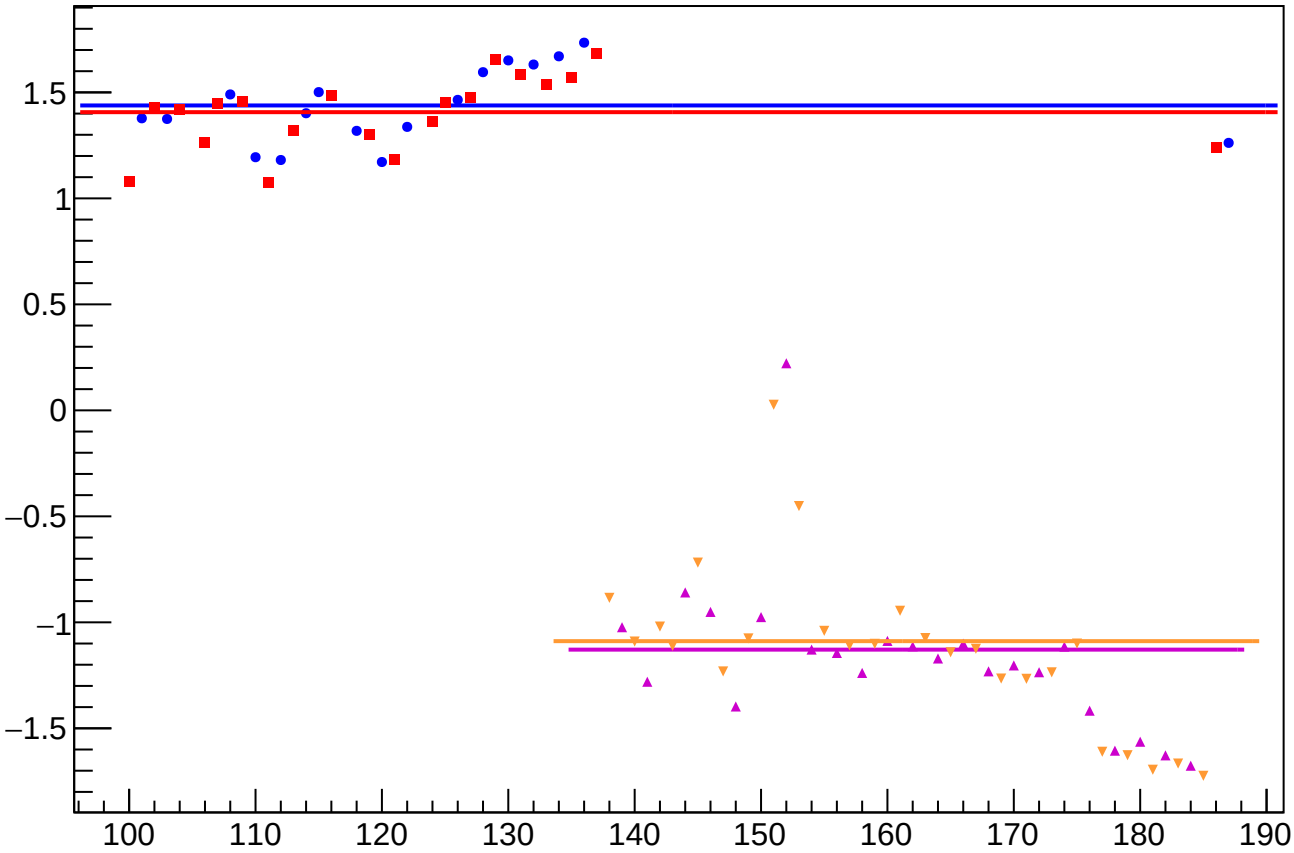
Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

\+ sign 0.009+/-0.000 χ^2/NDF: 2518959.6/41

All: 0.009+/-0.000 χ^2/NDF: 5089878.1/84

\- sign 0.009+/-0.000 χ^2/NDF: 2570917.1/42

yield_bpm1i02Y_mean vs Slug



Right In: 1.438+/-0.000 χ^2/NDF: 3844188092.4/16

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.407+/-0.000 χ^2/NDF: 3014628539.6/19

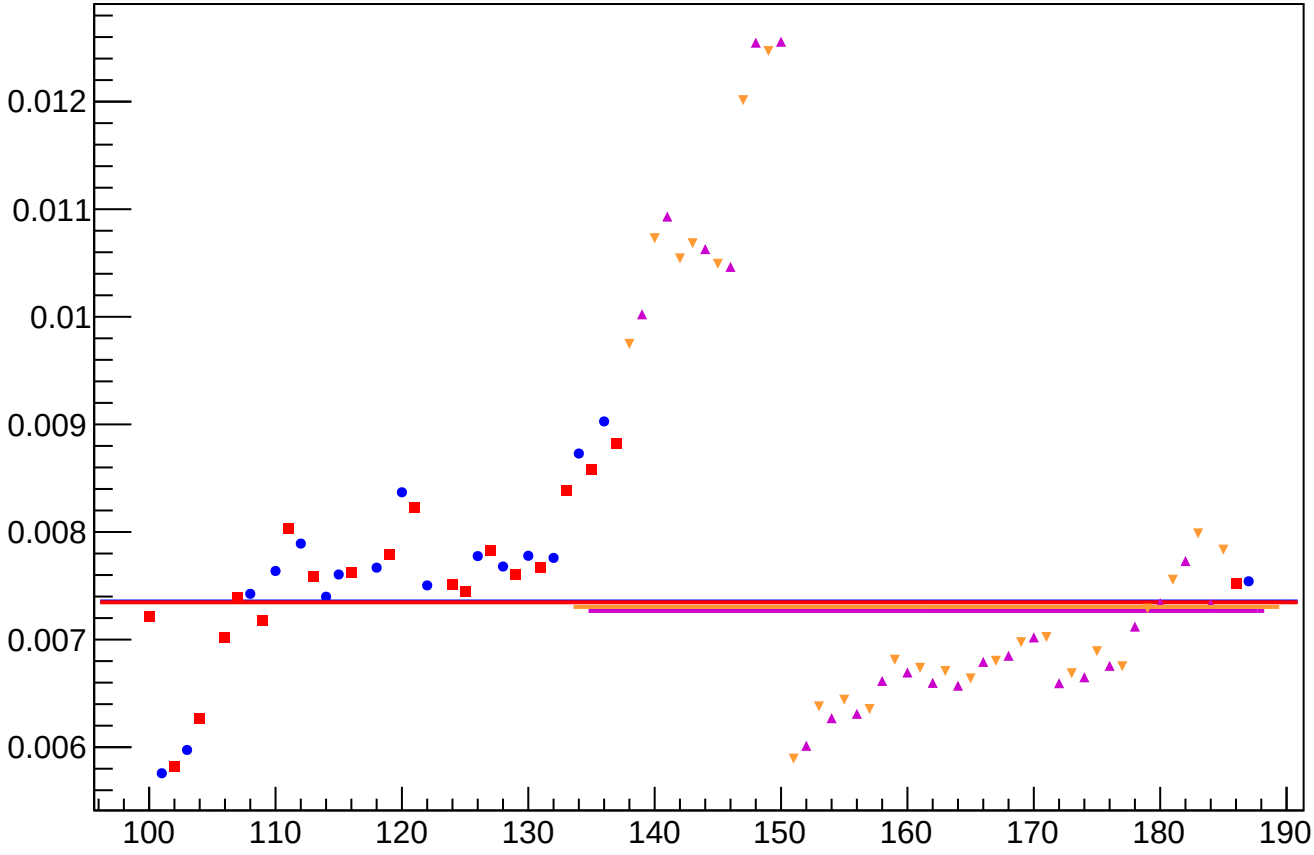
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.384+/-0.000 χ^2/NDF: 682460749222.4/41

All: -0.372+/-0.000 χ^2/NDF: 1389860172352

- sign -0.360+/-0.000 χ^2/NDF: 707261607479.5/42

yield_bpm1i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 271101.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

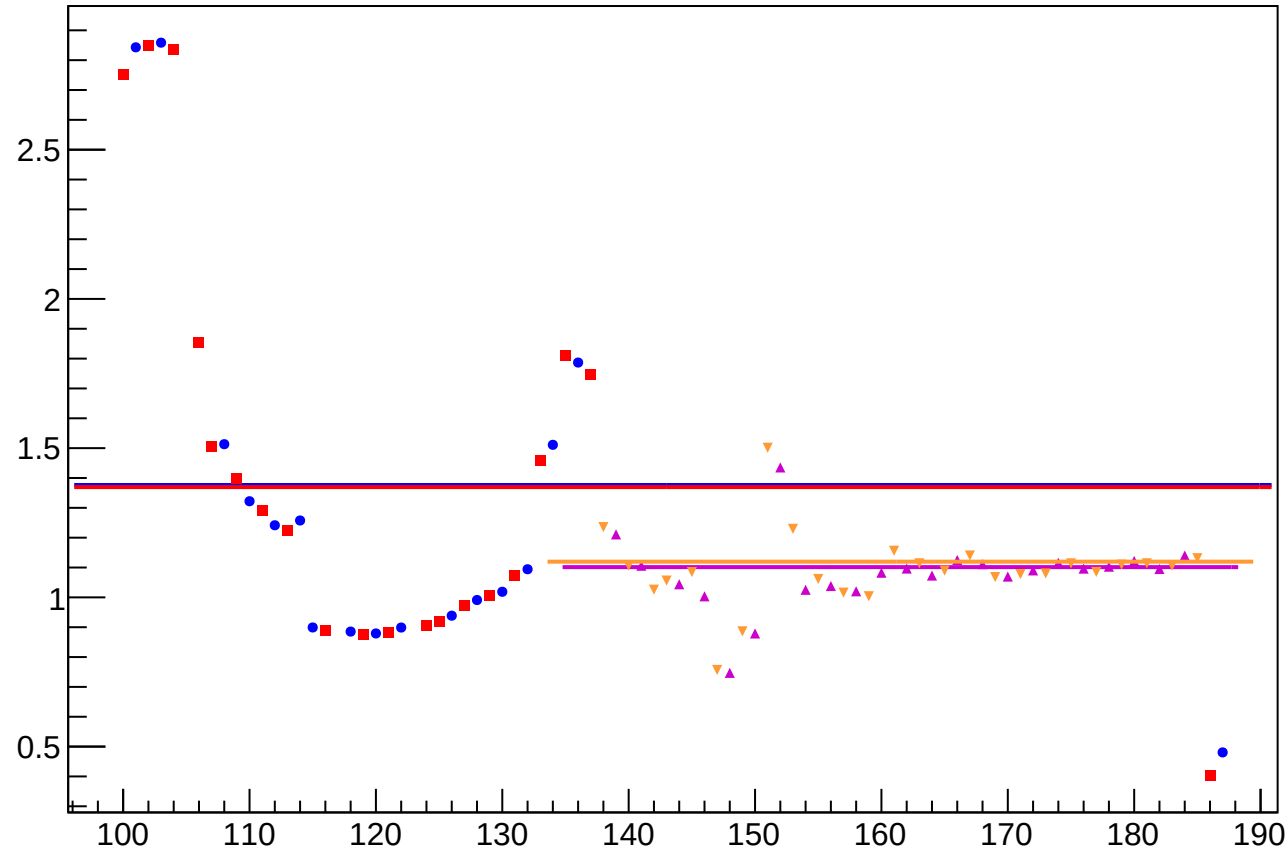
Right Out: 0.007+/-0.000 χ^2/NDF: 195833.7/19

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1775697.1/41

All: 0.007+/-0.000 χ^2/NDF: 3533265.3/84

- sign 0.007+/-0.000 χ^2/NDF: 1757220.5/42



Right In: 1.376+/-0.000 χ^2/NDF: 60162141307.8/16

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.369+/-0.000 χ^2/NDF: 59148508868.6/19

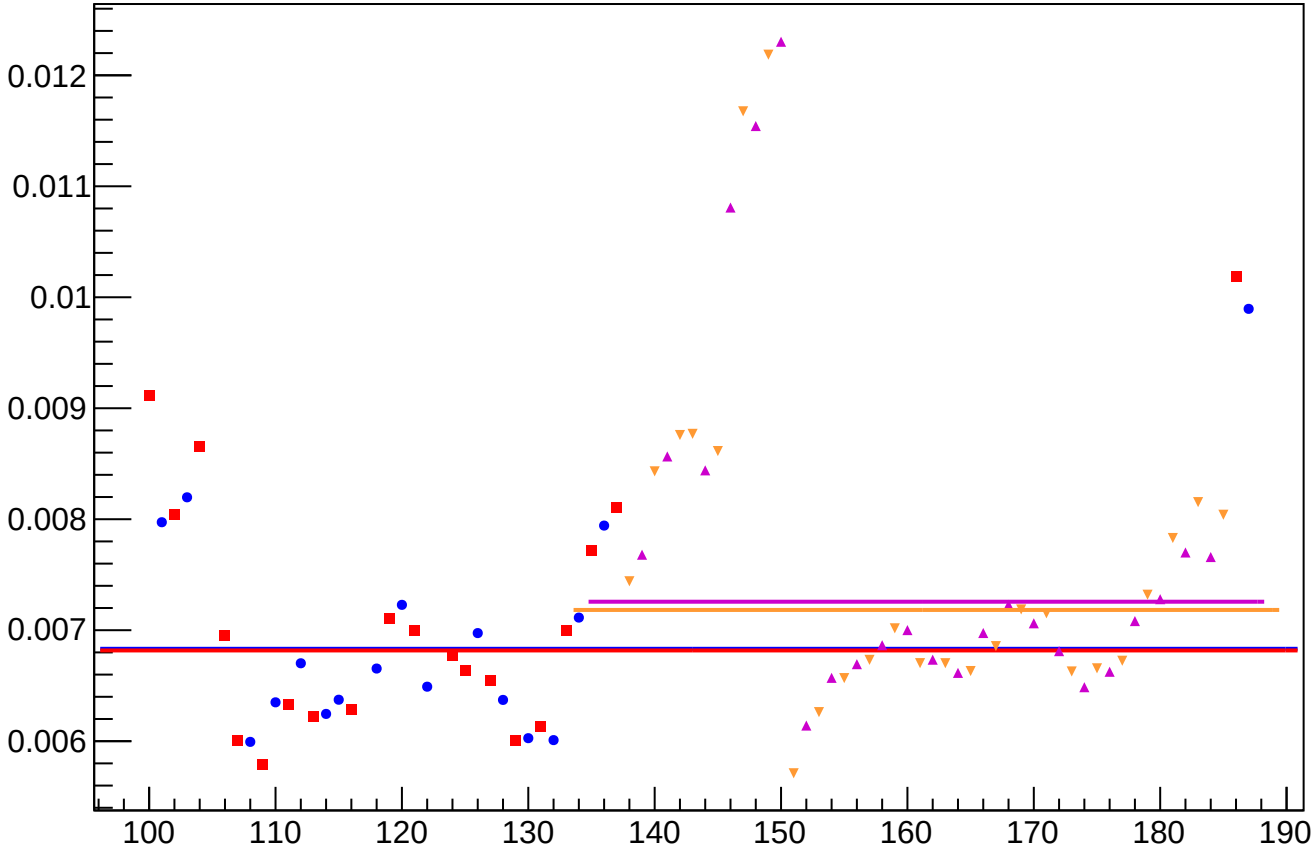
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.198+/-0.000 χ^2/NDF: 72834124355.6/41

All: 1.194+/-0.000 χ^2/NDF: 144159953731.4

- sign 1.191+/-0.000 χ^2/NDF: 71313758194.9/42

yield_bpm1i04X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 200680.6/16

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 290128.4/19

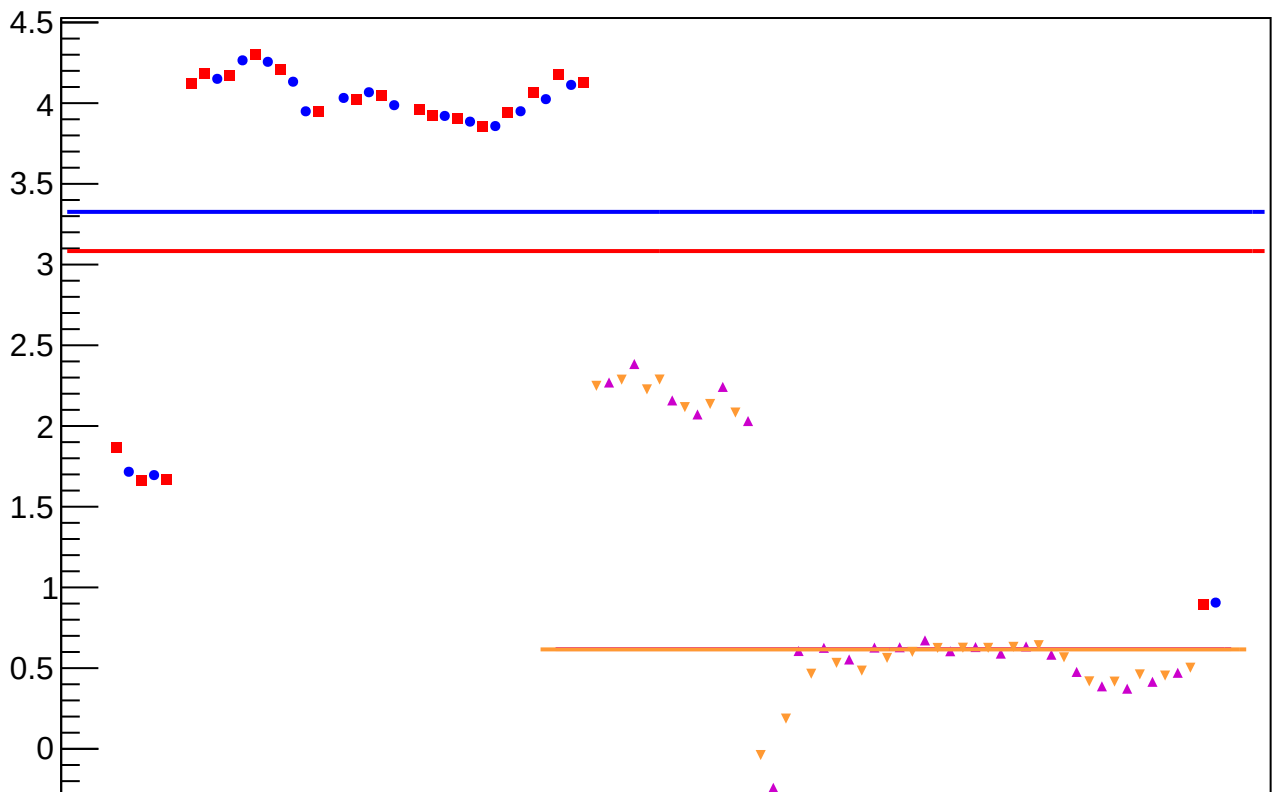
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1121090.1/41

All: 0.007+/-0.000 χ^2/NDF: 2371207.3/84

- sign 0.007+/-0.000 χ^2/NDF: 1249527.0/42

yield_bpm1i04Y_mean vs Slug



Right In: 3.326+/-0.000 χ^2/NDF: 365849978895.1/16

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 3.084+/-0.000 χ^2/NDF: 572793041261.4/19

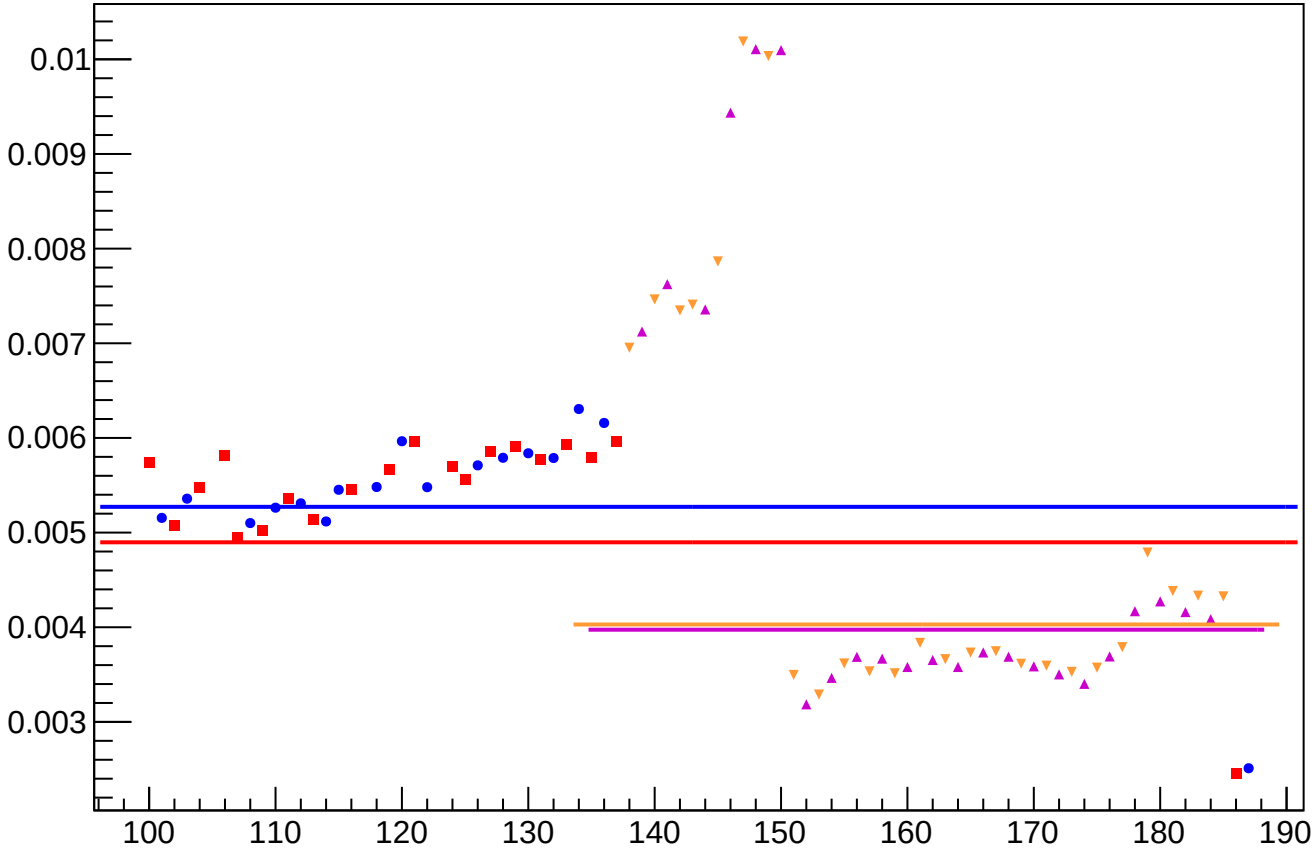
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.145+/-0.000 χ^2/NDF: 2131164561288.6/41

All: 1.161+/-0.000 χ^2/NDF: 4373315198063.

- sign 1.177+/-0.000 χ^2/NDF: 2241463455982.2/42

yield_bpm1i04Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 485264.2/16

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 953028.0/19

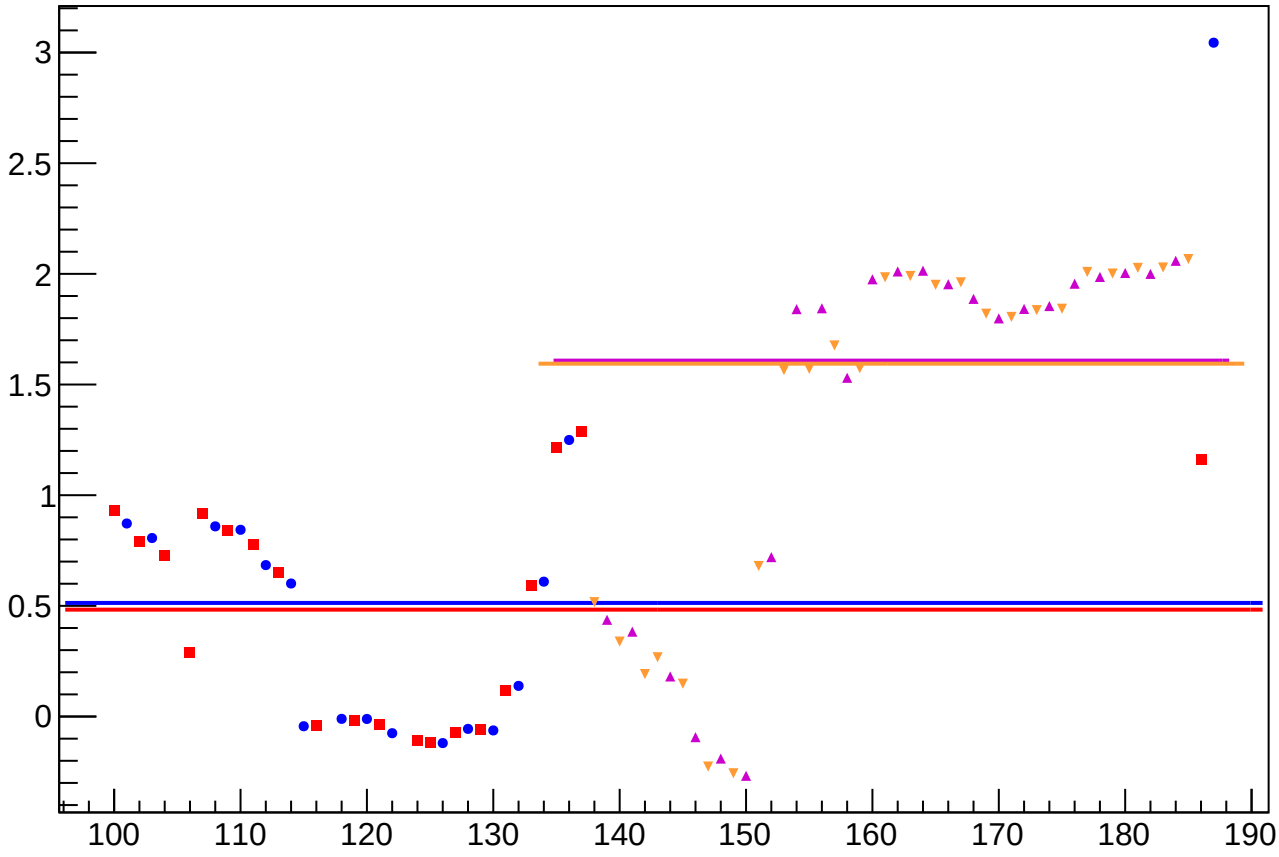
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 4086738.1/41

All: 0.004+/-0.000 χ^2/NDF: 8568868.8/84

- sign 0.004+/-0.000 χ^2/NDF: 4471809.8/42

yield_bpm1i06X_mean vs Slug



Right In: 0.513+/-0.000 χ^2/NDF: 17935105579.2/16

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 0.483+/-0.000 χ^2/NDF: 8438055212.1/19

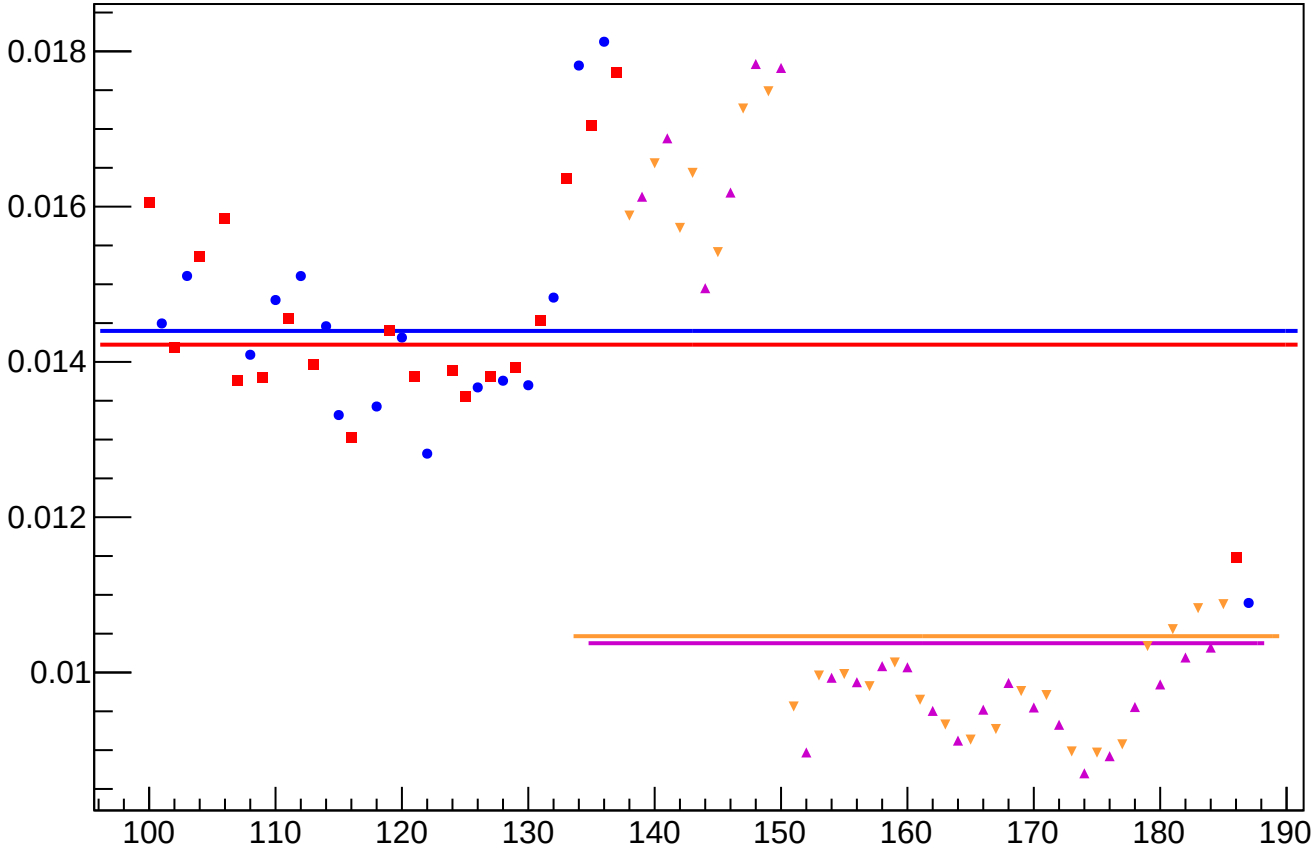
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.407+/-0.000 χ^2/NDF: 114391421098.6/41

All: 1.400+/-0.000 χ^2/NDF: 228050377056.2

- sign 1.393+/-0.000 χ^2/NDF: 113641157655.4/42

yield_bpm1i06X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 173458.0/16

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

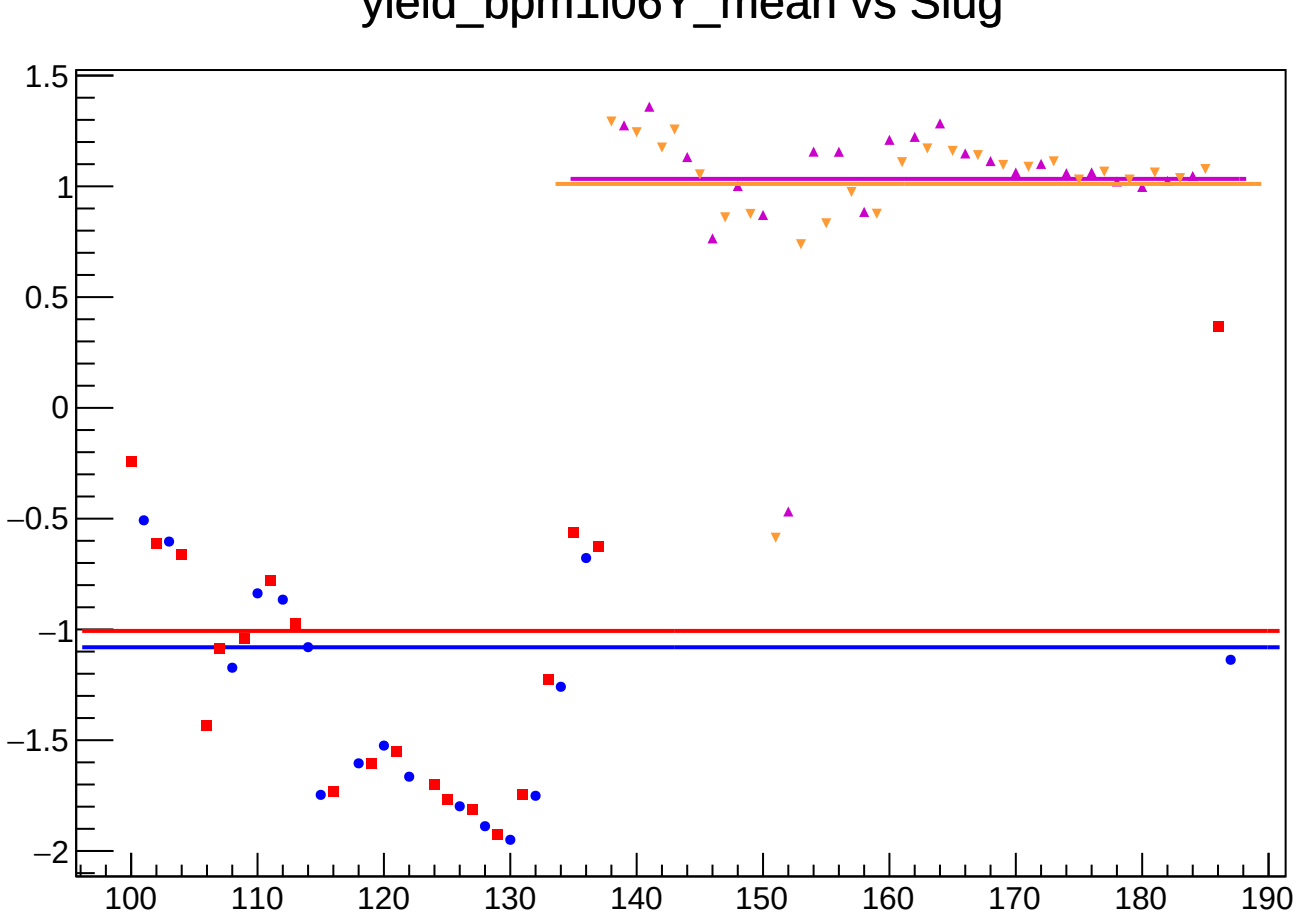
Right Out: 0.014+/-0.000 χ^2/NDF: 127389.5/19

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2729639.8/41

All: 0.011+/-0.000 χ^2/NDF: 5474269.4/84

- sign 0.011+/-0.000 χ^2/NDF: 2744326.3/42



Right In: -1.081+/-0.000 χ^2/NDF: 59769344420.2/16

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.007+/-0.000 χ^2/NDF: 66045691754.4/19

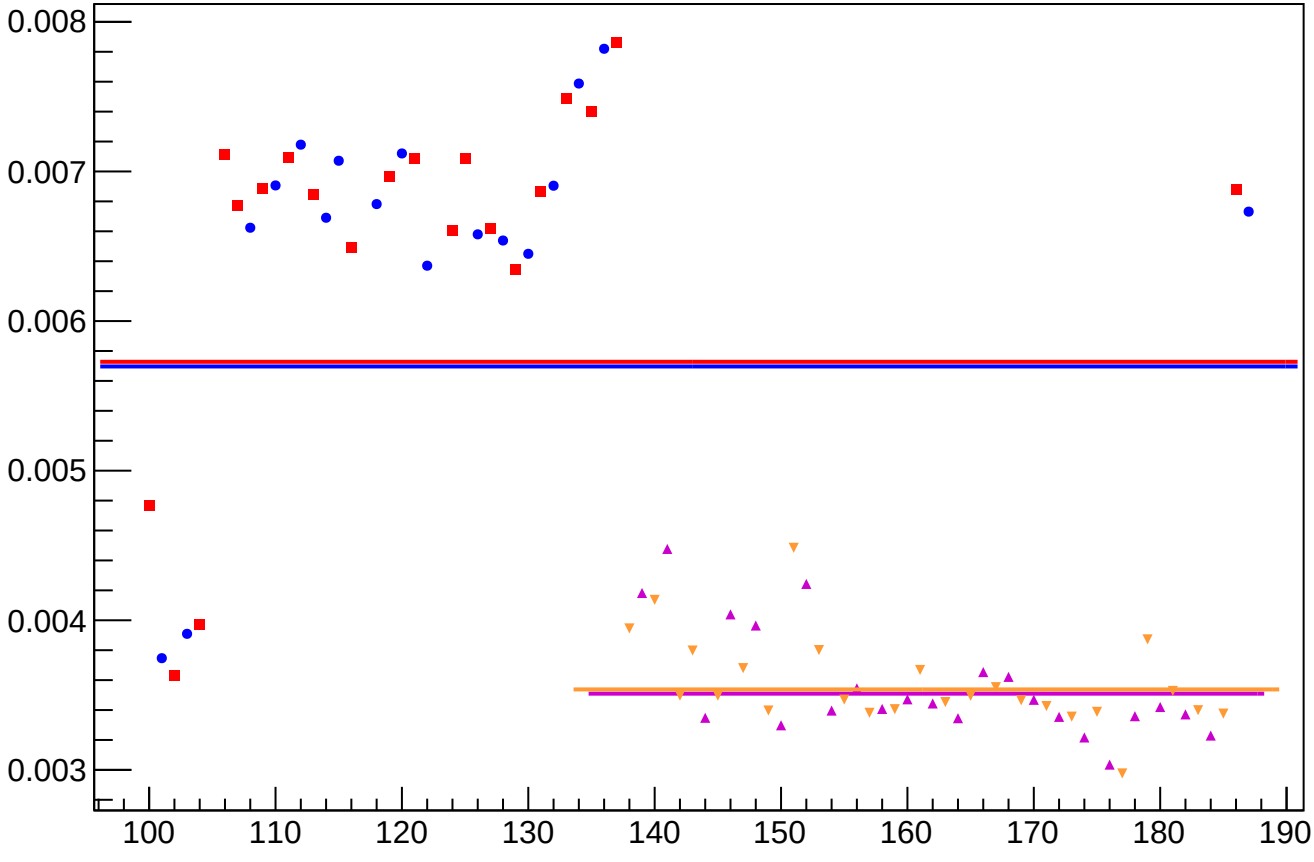
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.749+/-0.000 χ^2/NDF: 941951632621.6/41

All: 0.754+/-0.000 χ^2/NDF: 1883532211458.

- sign 0.760+/-0.000 χ^2/NDF: 941468653076.2/42

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 953390.3/16

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1003197.0/19

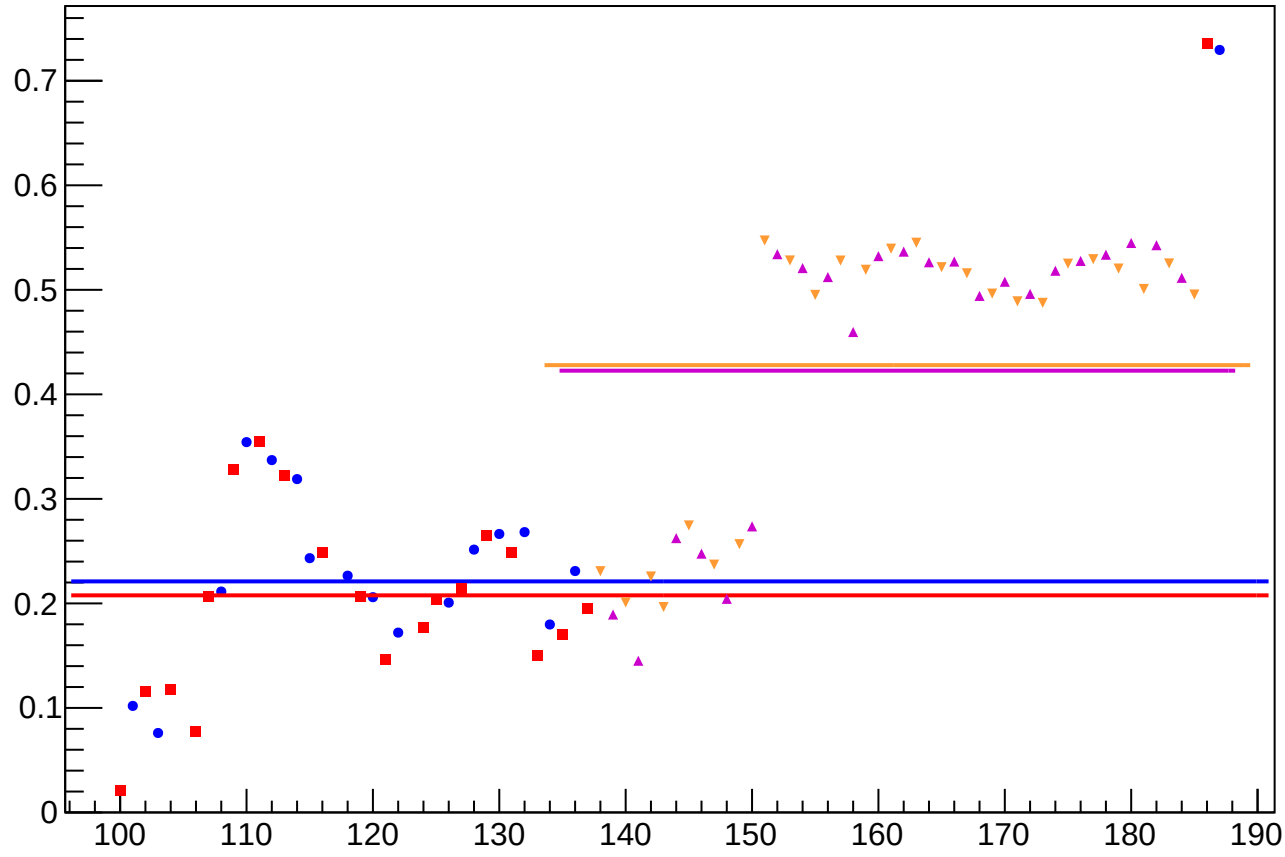
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 2811940.4/41

All: 0.004+/-0.000 χ^2/NDF: 5873145.4/84

- sign 0.004+/-0.000 χ^2/NDF: 3061198.0/42

yield_bpm2i01X_mean vs Slug



Right In: 0.221+/-0.000 χ^2/NDF: 19478974953.9/16

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.208+/-0.000 χ^2/NDF: 28684003700.4/19

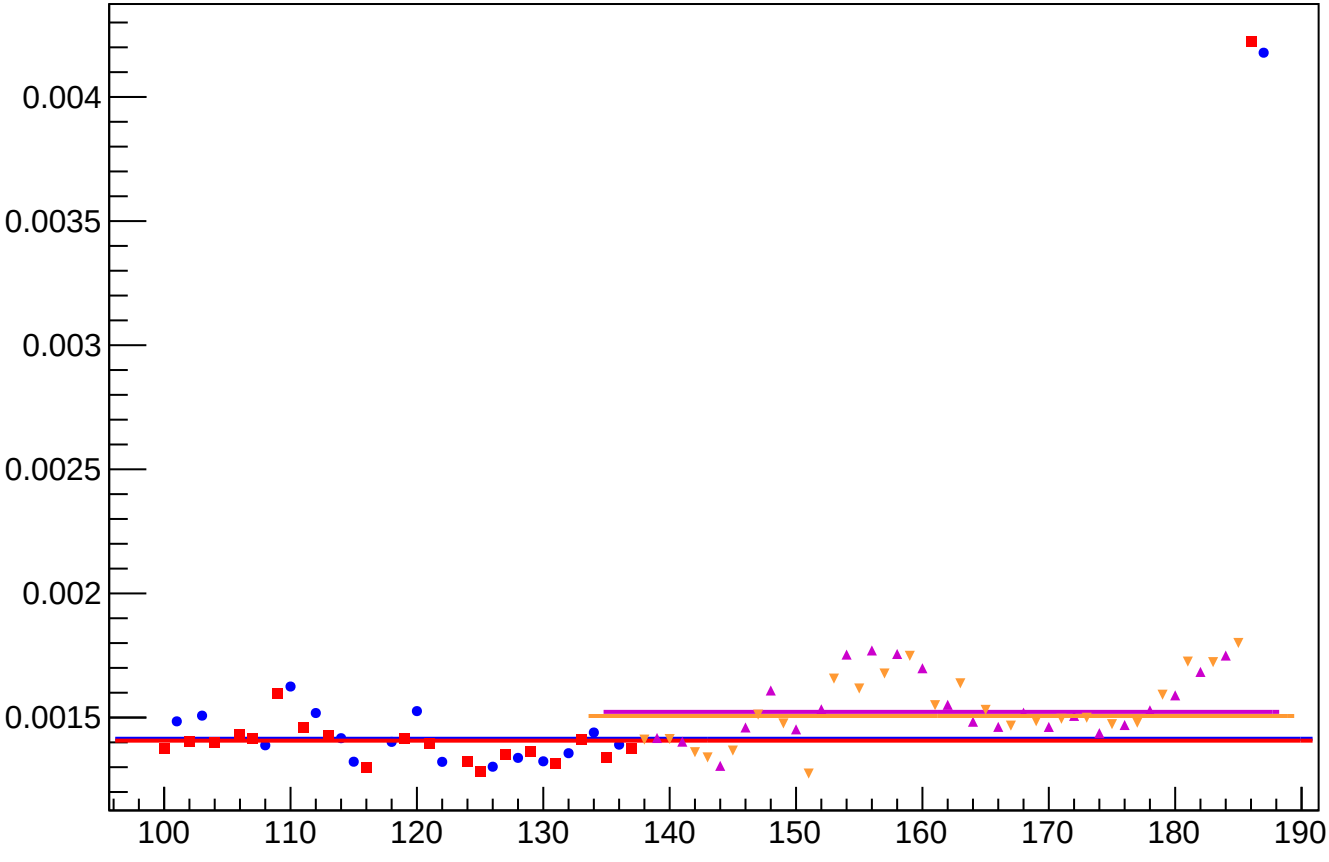
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.367+/-0.000 χ^2/NDF: 279437893401.5/41

All: 0.359+/-0.000 χ^2/NDF: 585726417164.2

- sign 0.352+/-0.000 χ^2/NDF: 304945249530.8/42

yield_bpm2i01X_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 210664.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

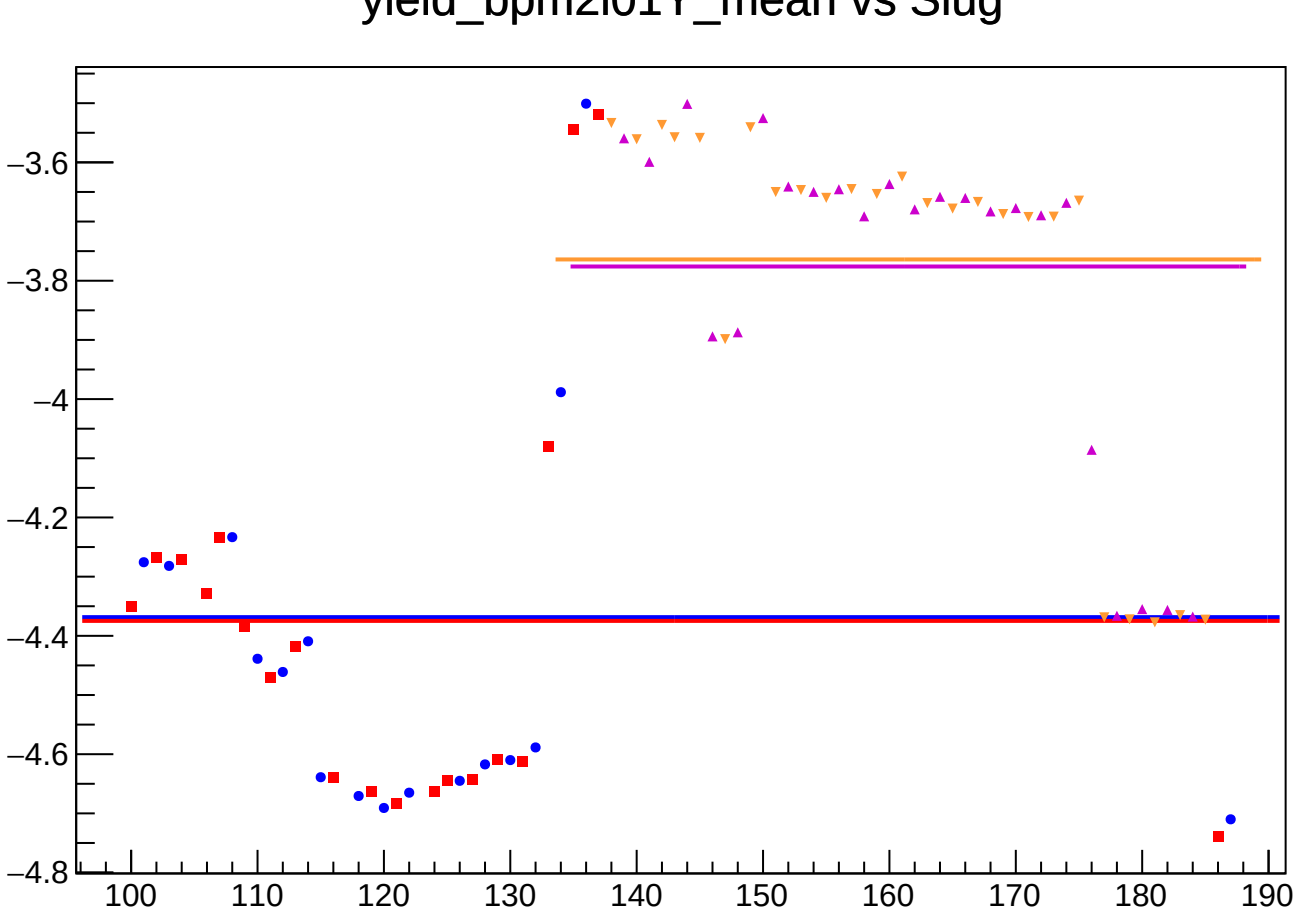
Right Out: 0.001+/-0.000 χ^2/NDF: 396936.8/19

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 531228.5/41

All: 0.001+/-0.000 χ^2/NDF: 1231991.6/84

- sign 0.001+/-0.000 χ^2/NDF: 700412.6/42



Right In: -4.368+/-0.000 χ^2/NDF: 354740114677.3/16

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.375+/-0.000 χ^2/NDF: 301016249524.2/19

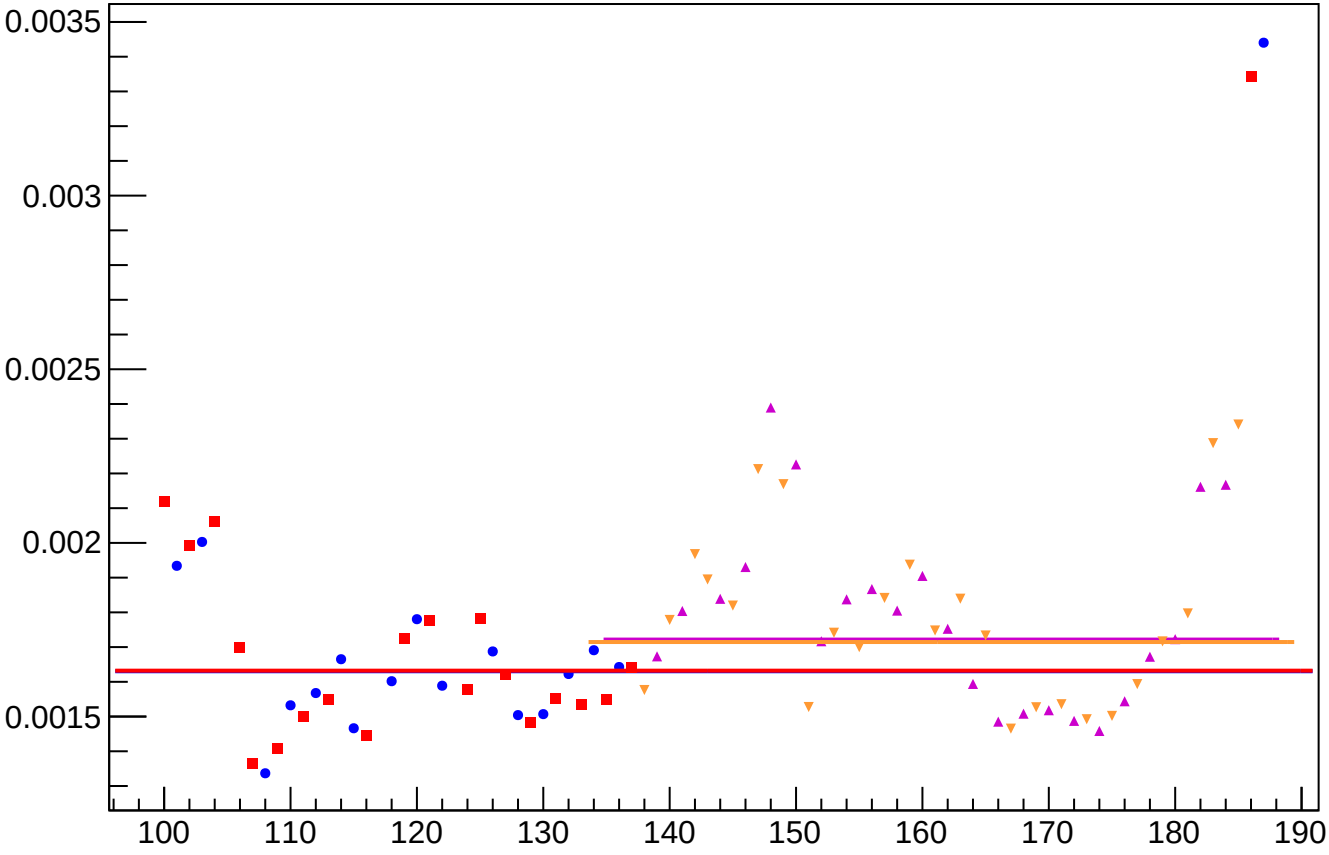
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.942+/-0.000 χ^2/NDF: 1516825377141.6/4

All: -3.954+/-0.000 χ^2/NDF: 2902510927953

- sign -3.967+/-0.000 χ^2/NDF: 1382865477374.8/42

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 237168.0/16

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 399554.7/19

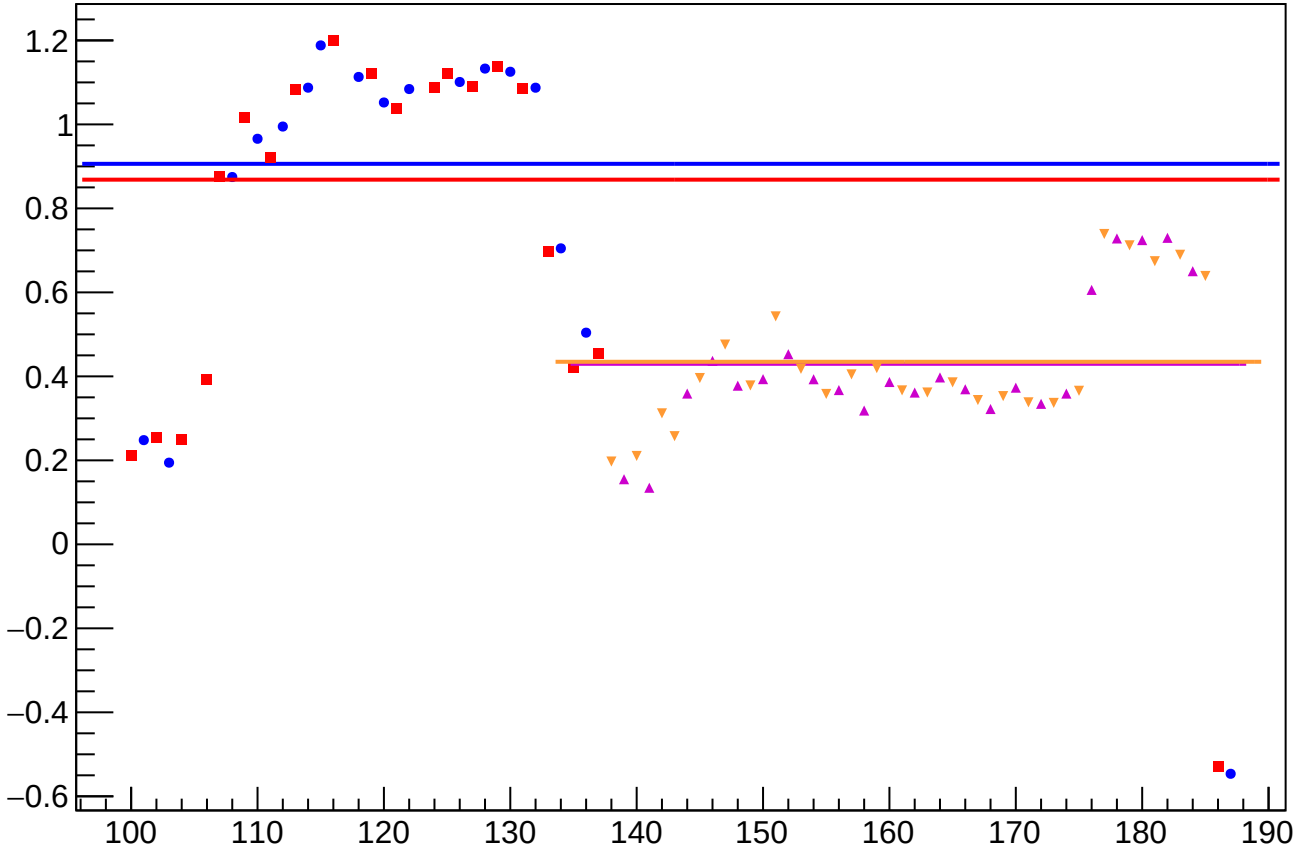
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 825827.2/41

All: 0.002+/-0.000 χ^2/NDF: 1837708.6/84

- sign 0.002+/-0.000 χ^2/NDF: 1011789.6/42

yield_bpm2i02X_mean vs Slug



Right In: 0.906+/-0.000 χ^2/NDF: 18153601764.4/16

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.868+/-0.000 χ^2/NDF: 24477448189.2/19

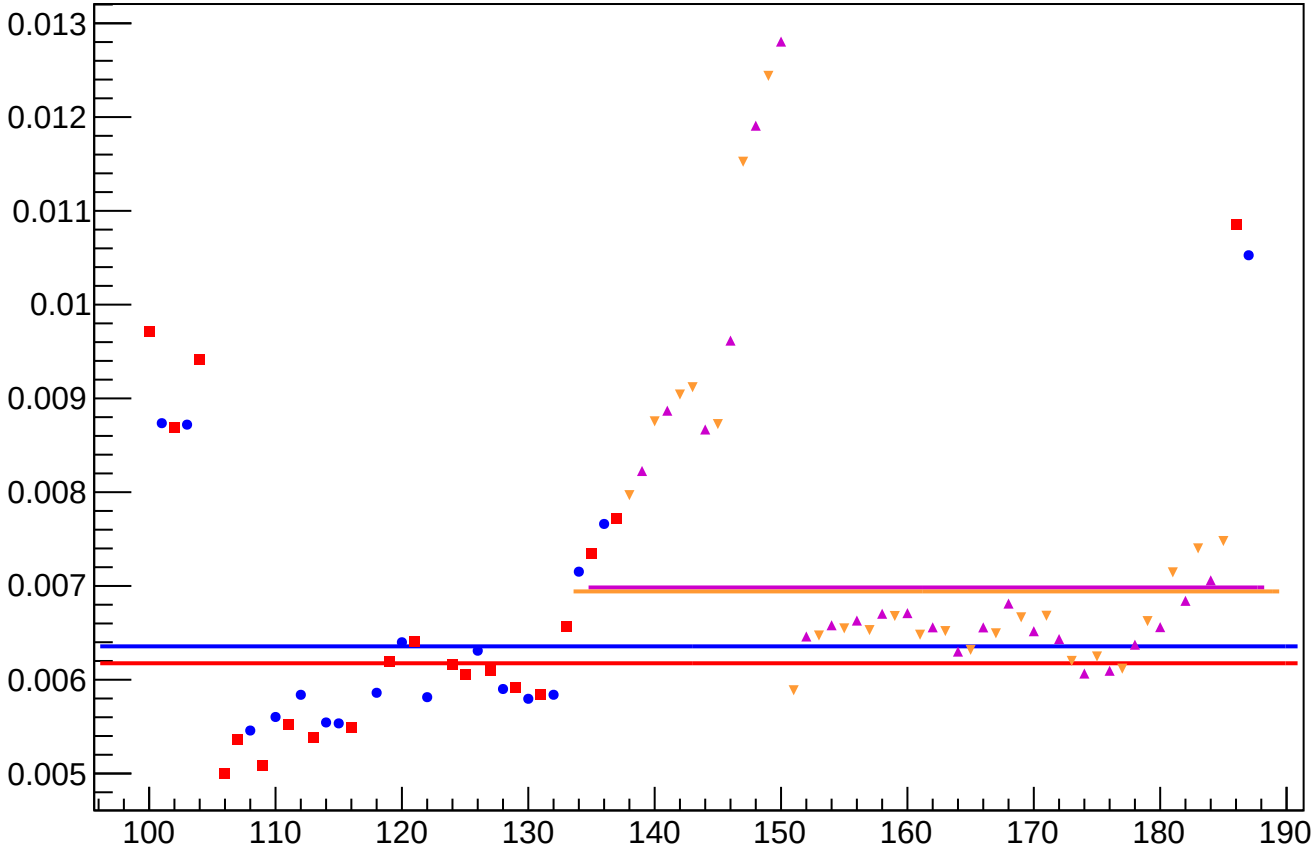
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.583+/-0.000 χ^2/NDF: 53720106884.0/41

All: 0.584+/-0.000 χ^2/NDF: 111924524191.7

- sign 0.585+/-0.000 χ^2/NDF: 58202517394.1/42

yield_bpm2i02X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 394858.2/16

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

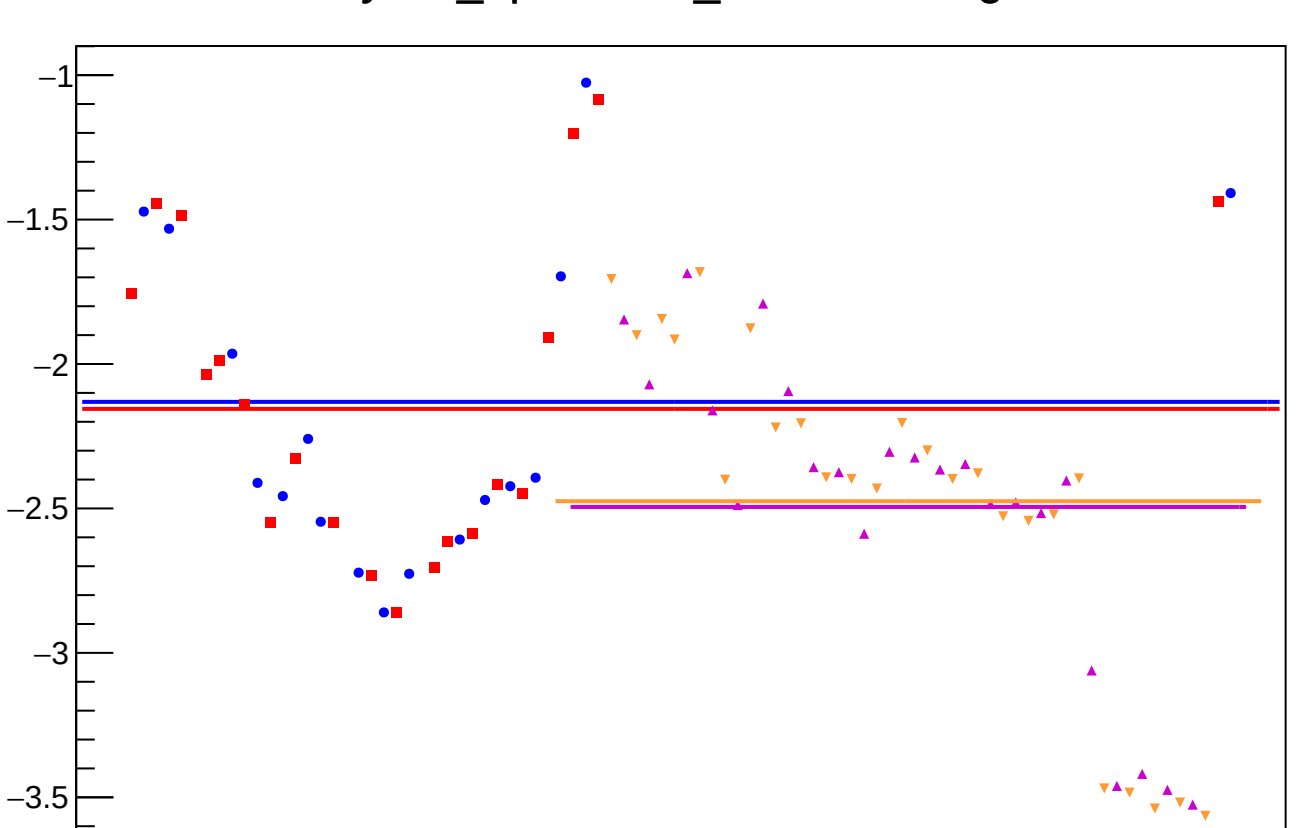
Right Out: 0.006+/-0.000 χ^2/NDF: 589471.5/19

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 1569319.5/41

All: 0.007+/-0.000 χ^2/NDF: 3465059.3/84

- sign 0.007+/-0.000 χ^2/NDF: 1893680.0/42



Right In: -2.131+/-0.000 χ^2/NDF: 66705545674.8/16

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.155+/-0.000 χ^2/NDF: 59666612576.2/19

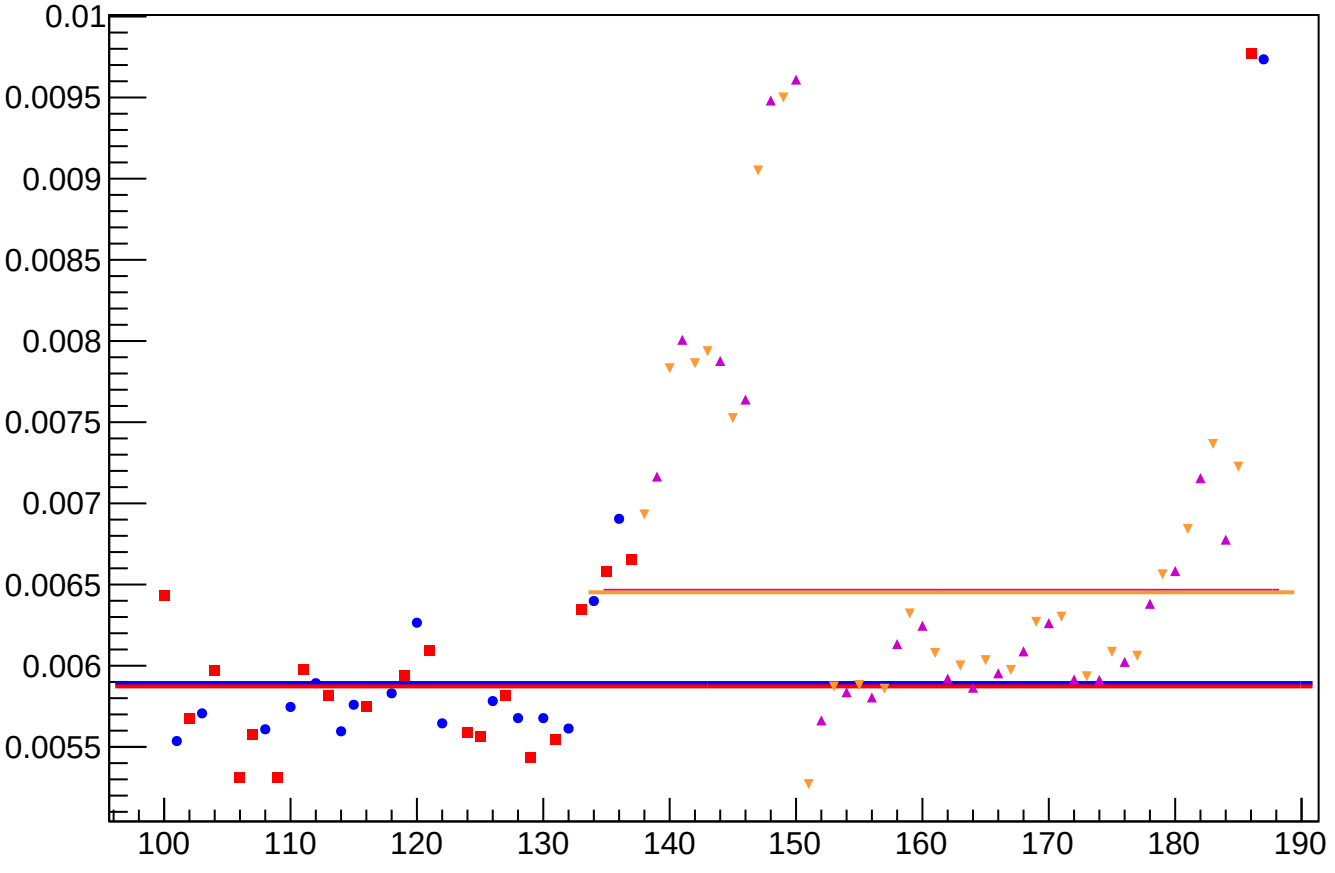
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.366+/-0.000 χ^2/NDF: 206733922891.2/41

All: -2.372+/-0.000 χ^2/NDF: 380286644938.5

- sign -2.378+/-0.000 χ^2/NDF: 173505535925.3/42

yield_bpm2i02Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 120646.3/16

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

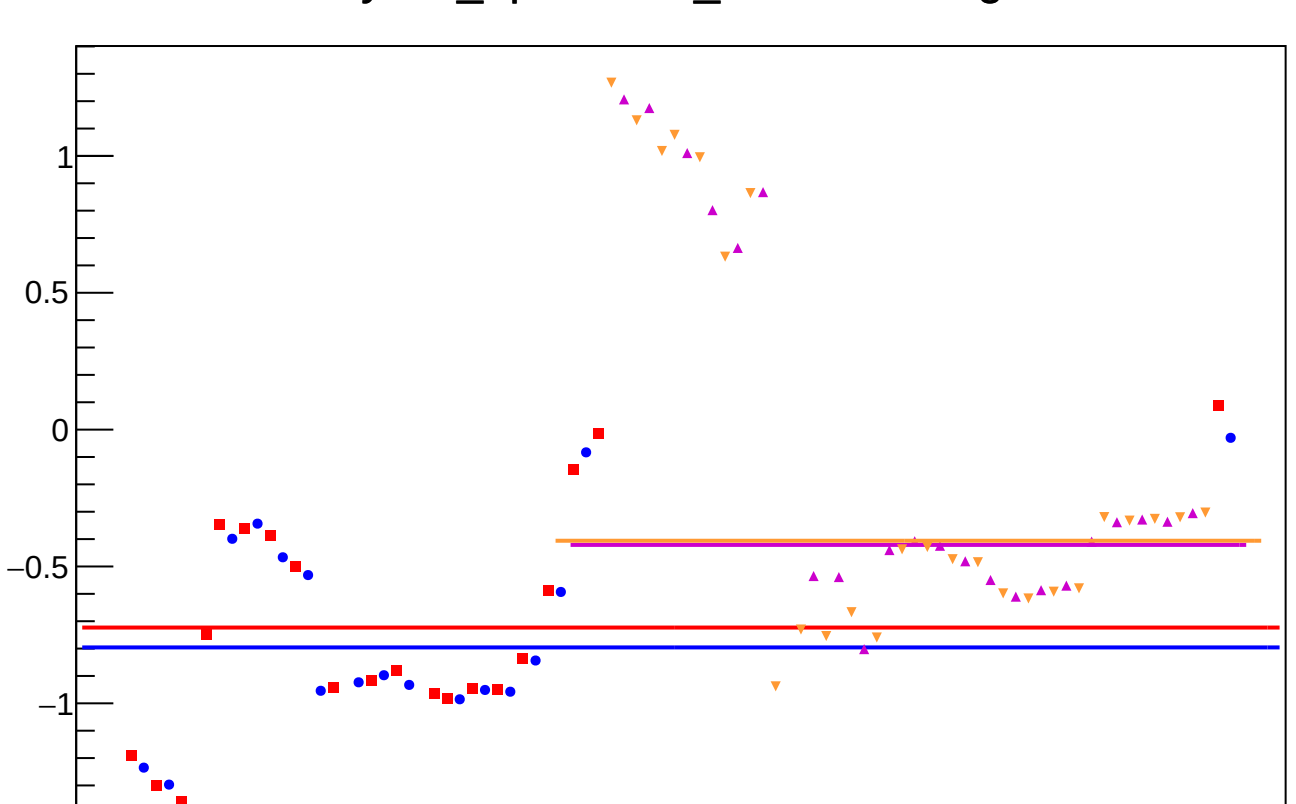
Right Out: 0.006+/-0.000 χ^2/NDF: 189164.5/19

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 924138.1/41

All: 0.006+/-0.000 χ^2/NDF: 1936791.1/84

- sign 0.006+/-0.000 χ^2/NDF: 1012471.6/42



Right In: -0.796+/-0.000 χ^2/NDF: 8798054763.7/16

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.723+/-0.000 χ^2/NDF: 12921207905.1/19

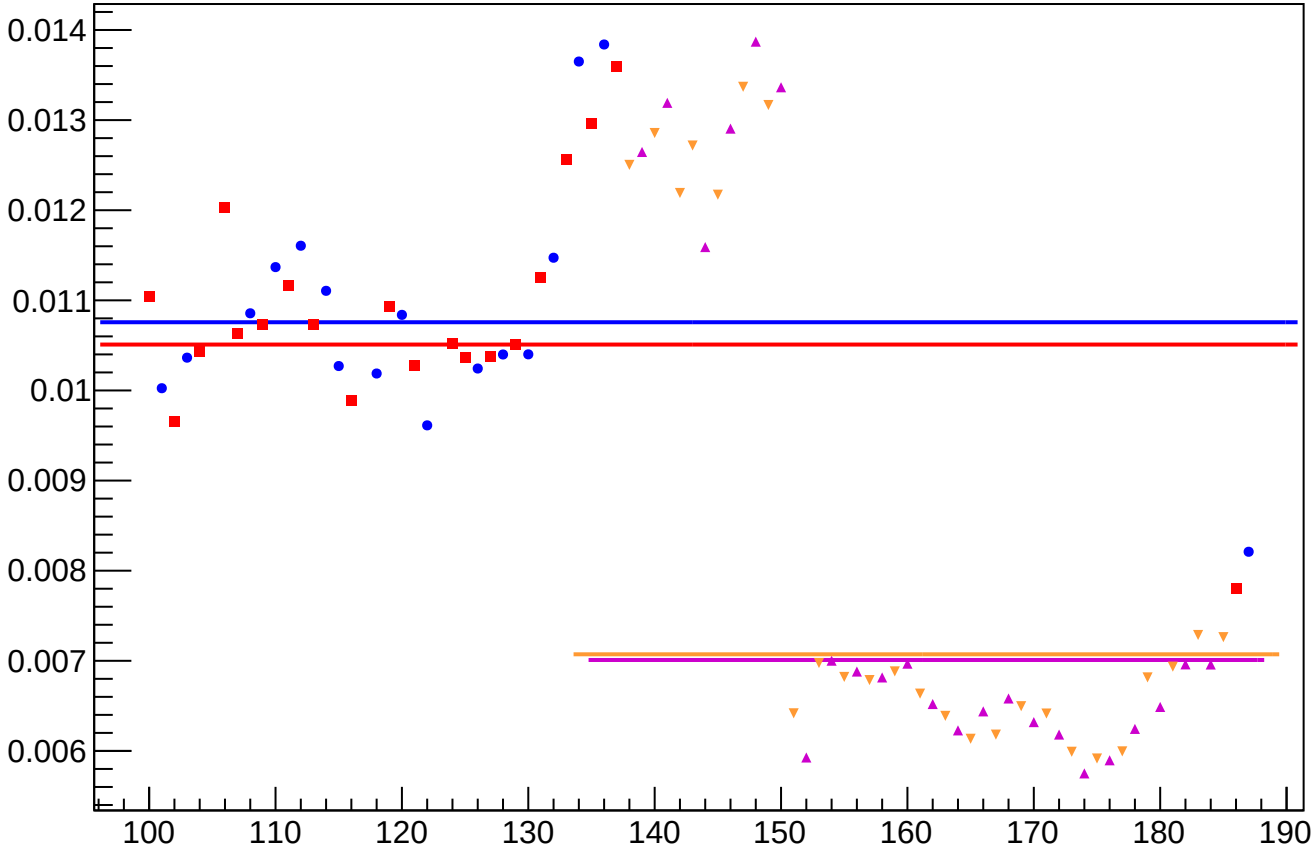
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.464+/-0.000 χ^2/NDF: 98478767682.5/41

All: -0.468+/-0.000 χ^2/NDF: 206861640099.9

- sign -0.472+/-0.000 χ^2/NDF: 108370803254.3/42

yield_bpm0i01X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 194906.7/16

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

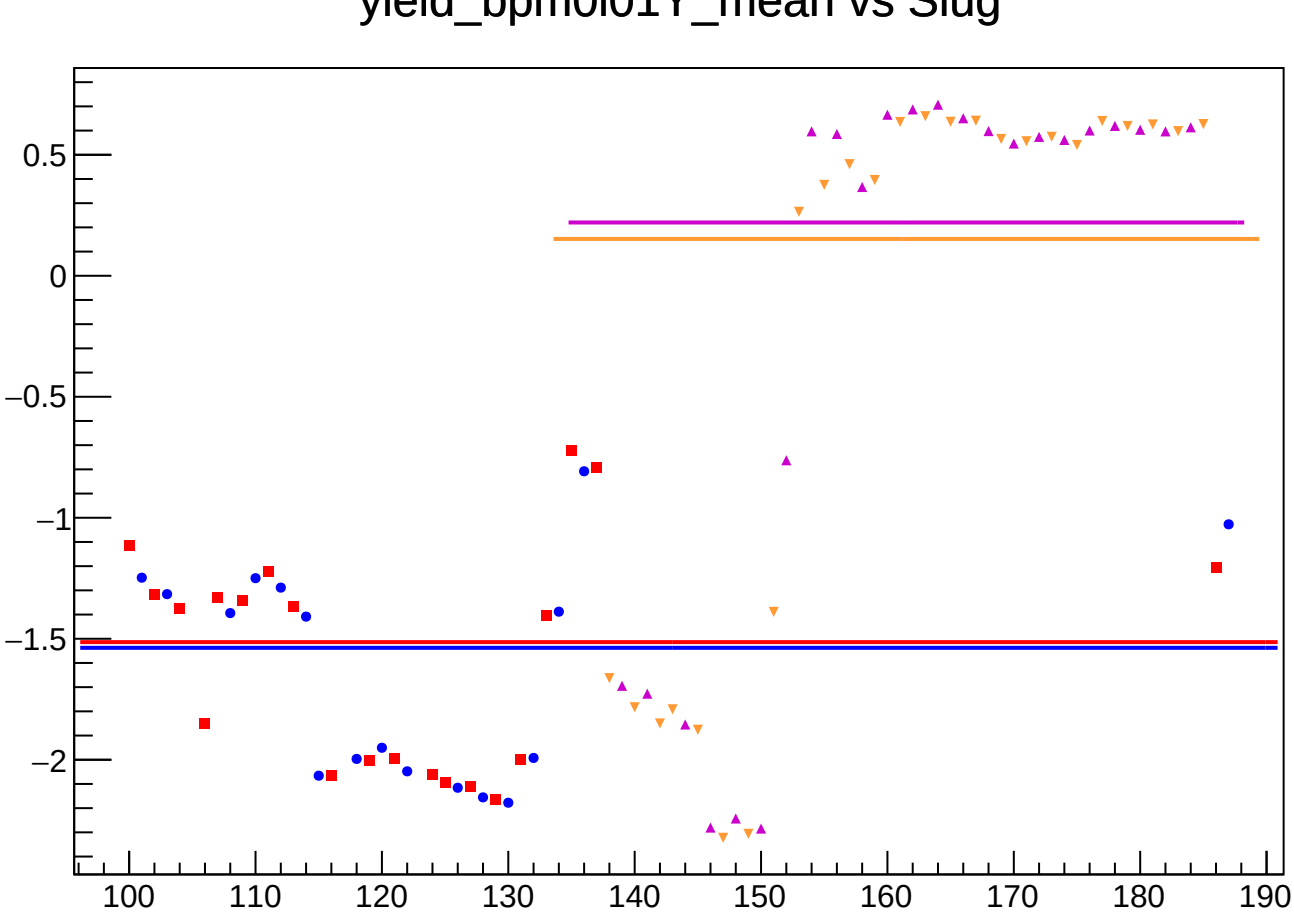
Right Out: 0.011+/-0.000 χ^2/NDF: 205524.1/19

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4017473.6/41

All: 0.008+/-0.000 χ^2/NDF: 8079246.8/84

- sign 0.008+/-0.000 χ^2/NDF: 4061478.1/42



Right In: -1.537+/-0.000 χ^2/NDF: 164140713742.1/16

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.514+/-0.000 χ^2/NDF: 146565351694.3/19

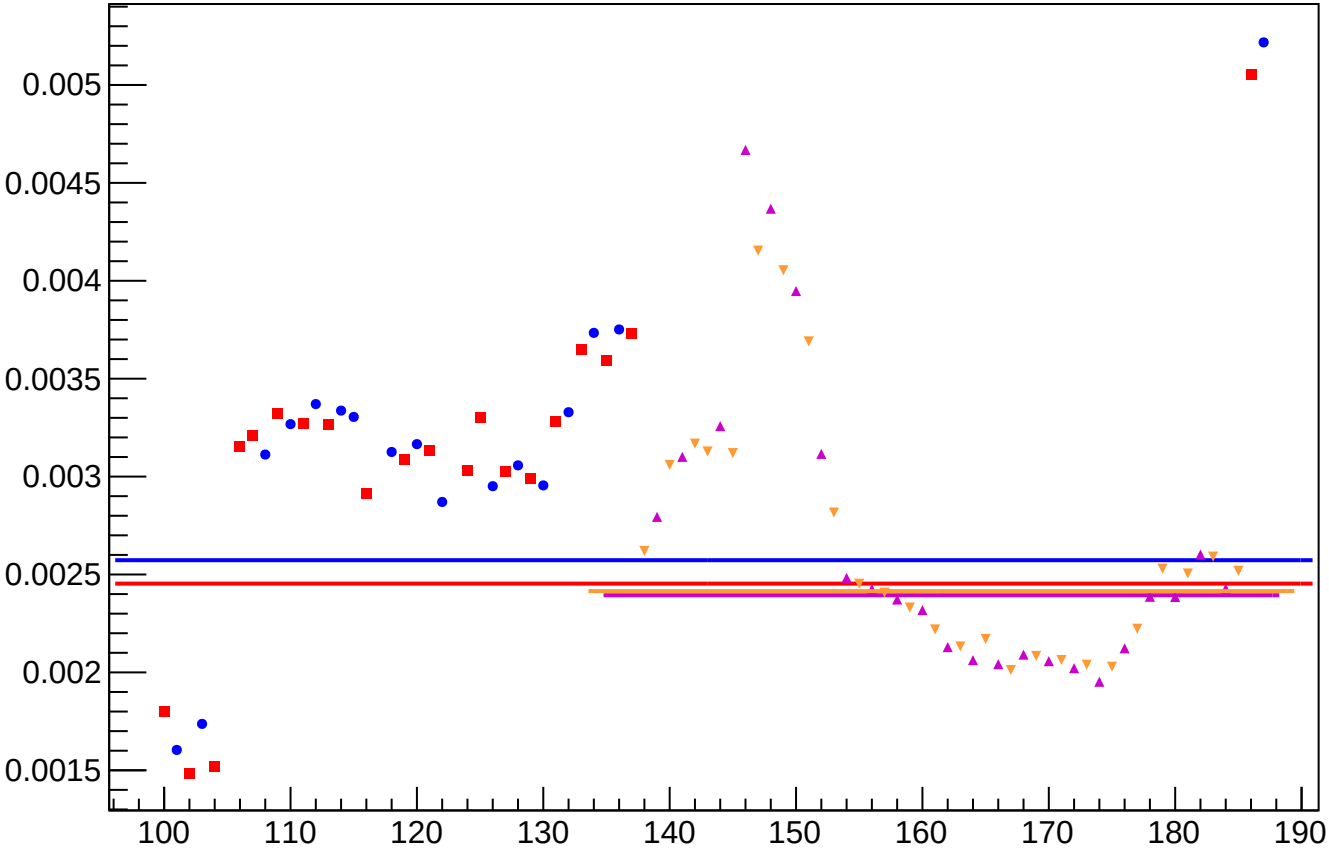
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.257+/-0.000 χ^2/NDF: 4586317393931.4/4

All: -0.253+/-0.000 χ^2/NDF: 9120871342904

- sign -0.248+/-0.000 χ^2/NDF: 4534414165228.7/42

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 1265432.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

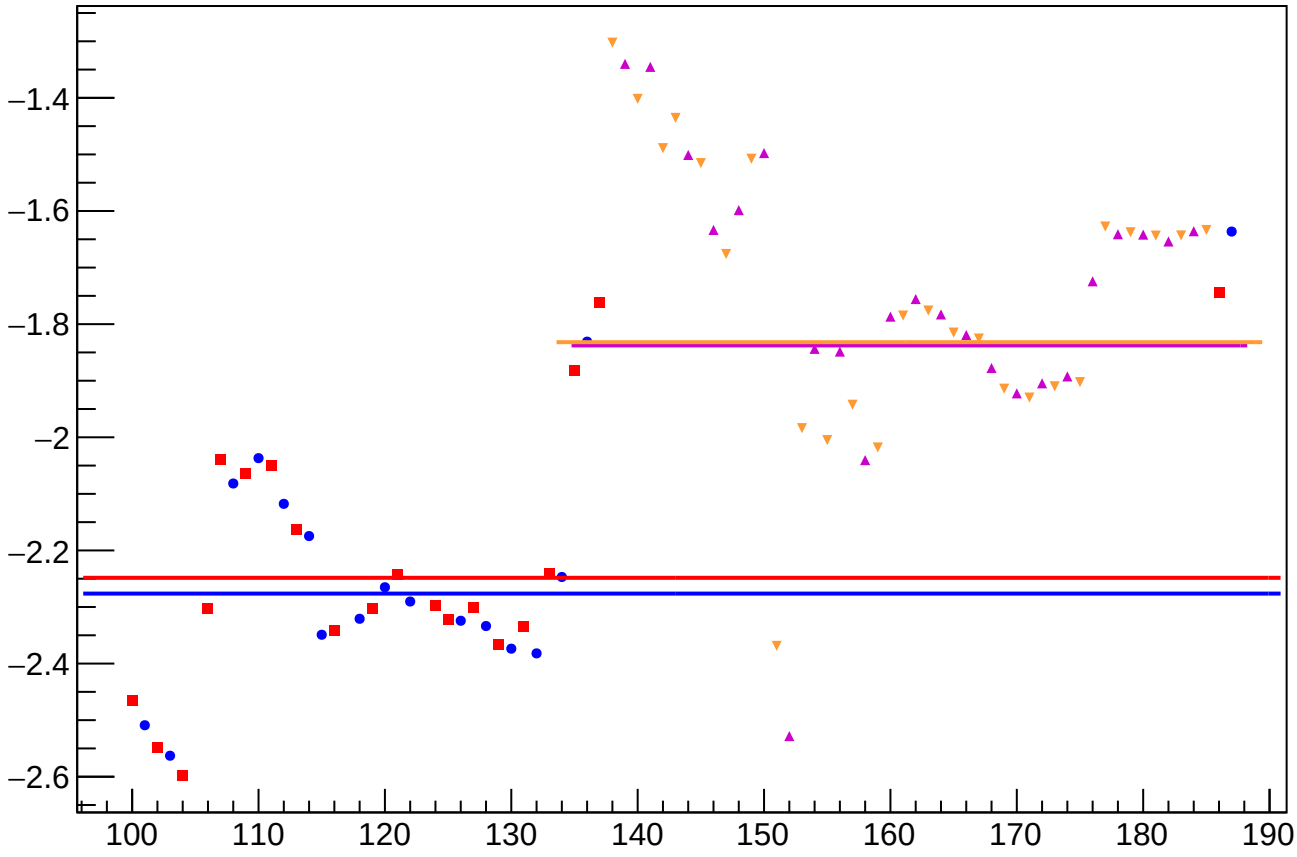
Right Out: 0.002+/-0.000 χ^2/NDF: 1759547.1/19

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 2521146.6/41

All: 0.002+/-0.000 χ^2/NDF: 5702782.6/84

- sign 0.002+/-0.000 χ^2/NDF: 3174434.1/42



Right In: -2.276+/-0.000 χ^2/NDF: 8523523512.5/16

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.248+/-0.000 χ^2/NDF: 10767283071.0/19

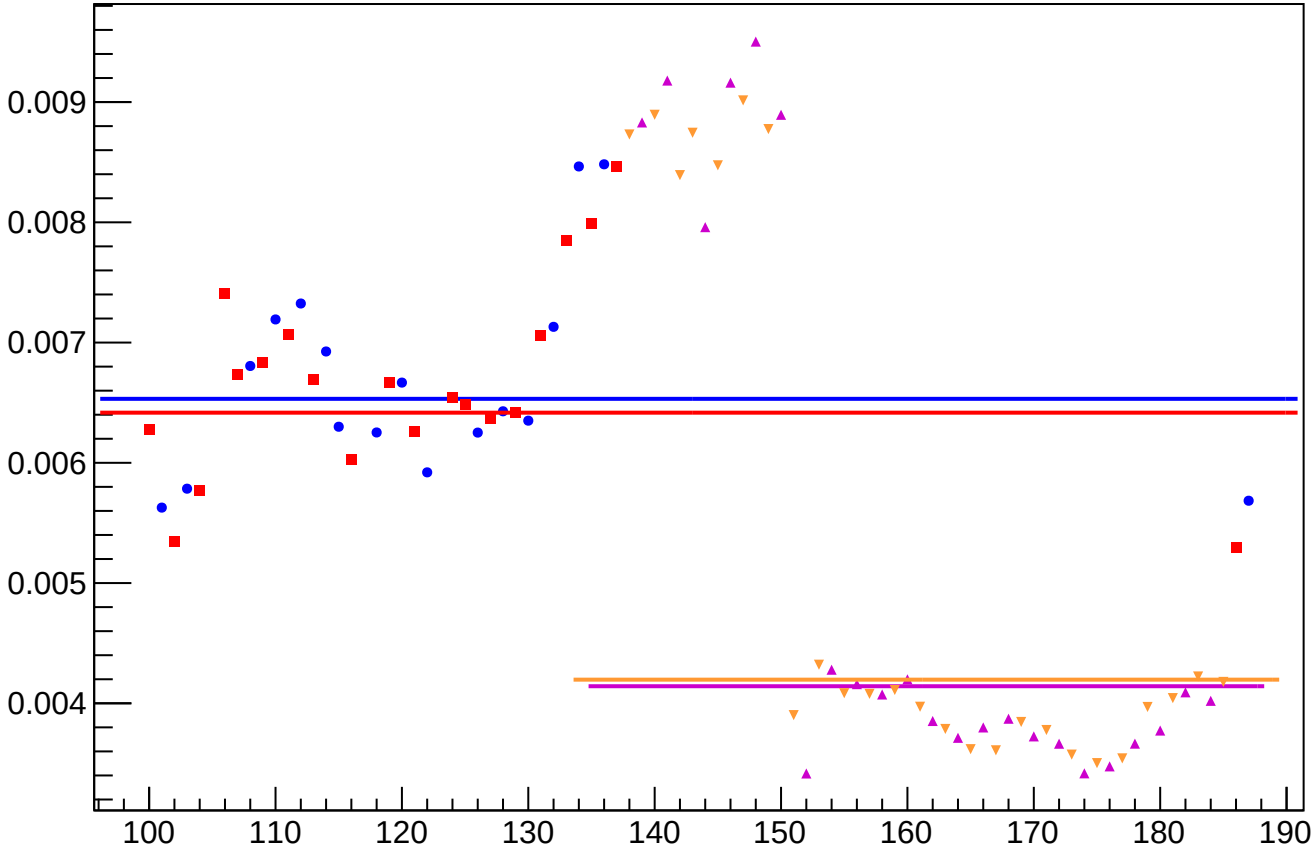
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.897+/-0.000 χ^2/NDF: 74964264856.2/41

All: -1.900+/-0.000 χ^2/NDF: 164894487621.9

- sign -1.904+/-0.000 χ^2/NDF: 89898659937.1/42

yield_bpm0i01aX_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 230286.5/16

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

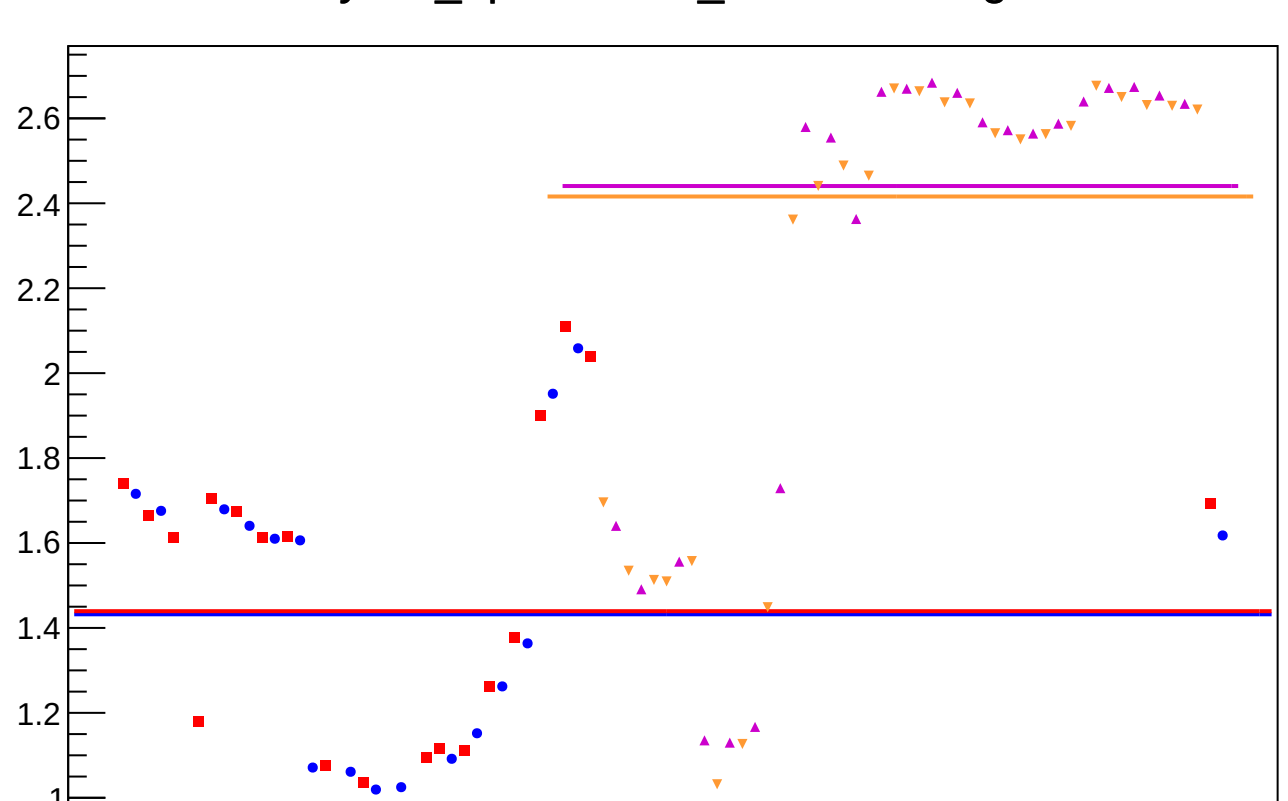
Right Out: 0.006+/-0.000 χ^2/NDF: 223573.3/19

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 4872264.1/41

All: 0.005+/-0.000 χ^2/NDF: 9866604.6/84

- sign 0.005+/-0.000 χ^2/NDF: 4993533.6/42



Right In: 1.432+/-0.000 χ^2/NDF: 189405122599.1/16

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.439+/-0.000 χ^2/NDF: 183025647618.9/19

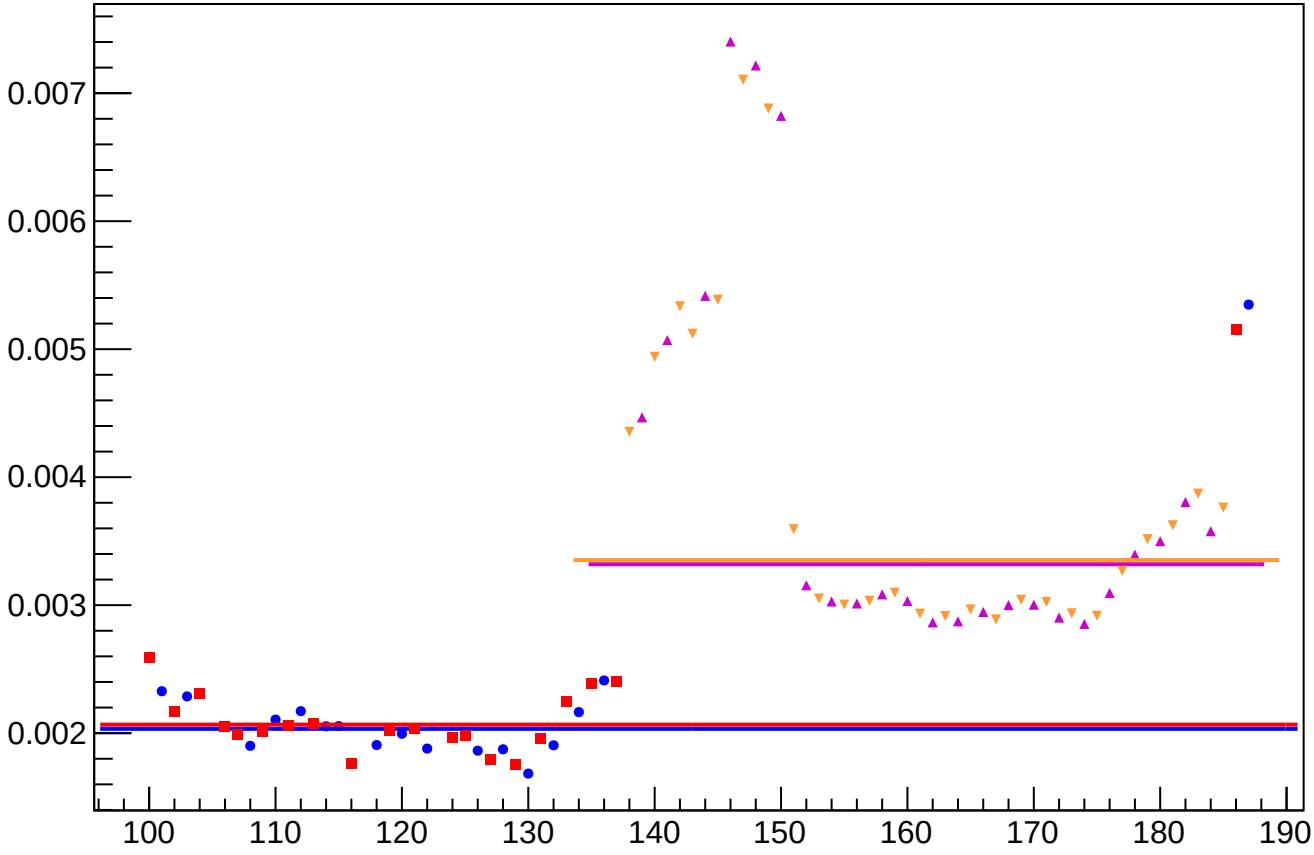
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.912+/-0.000 χ^2/NDF: 1202637496880.6/41

All: 1.913+/-0.000 χ^2/NDF: 2399314216866.

- sign 1.914+/-0.000 χ^2/NDF: 1196670700280.0/42

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 297918.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 410197.8/19

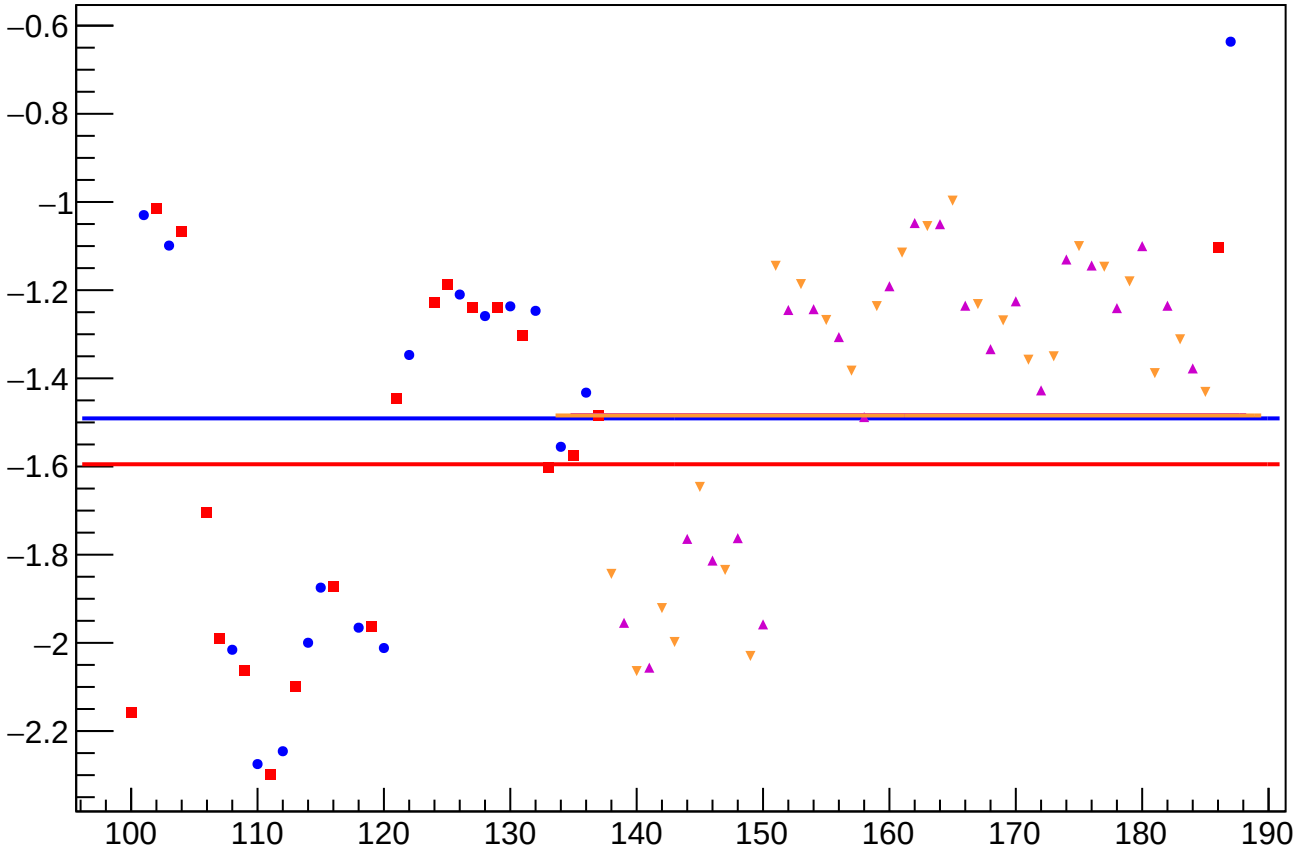
Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 4884455.4/41

All: 0.003+/-0.000 χ^2/NDF: 9800230.9/84

- sign 0.003+/-0.000 χ^2/NDF: 4914922.9/42

yield_bpm0l01X_mean vs Slug



Right In: -1.491+/-0.000 χ^2/NDF: 23948667354.6/16

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.595+/-0.000 χ^2/NDF: 28857593014.2/19

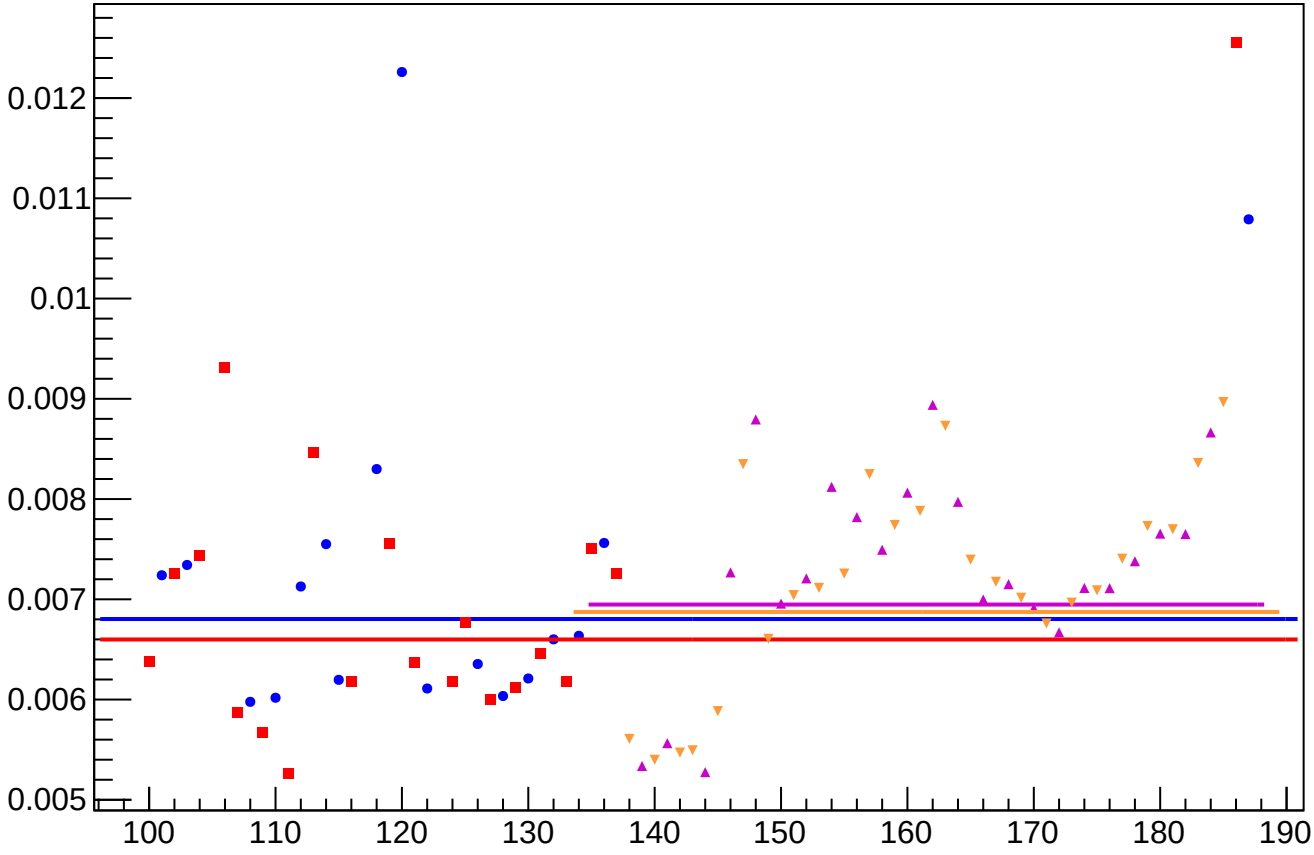
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.486+/-0.000 χ^2/NDF: 72392019779.0/41

All: -1.502+/-0.000 χ^2/NDF: 143278962900.9

- sign -1.519+/-0.000 χ^2/NDF: 70606175866.0/42

yield_bpm0l01X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 282907.5/16

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

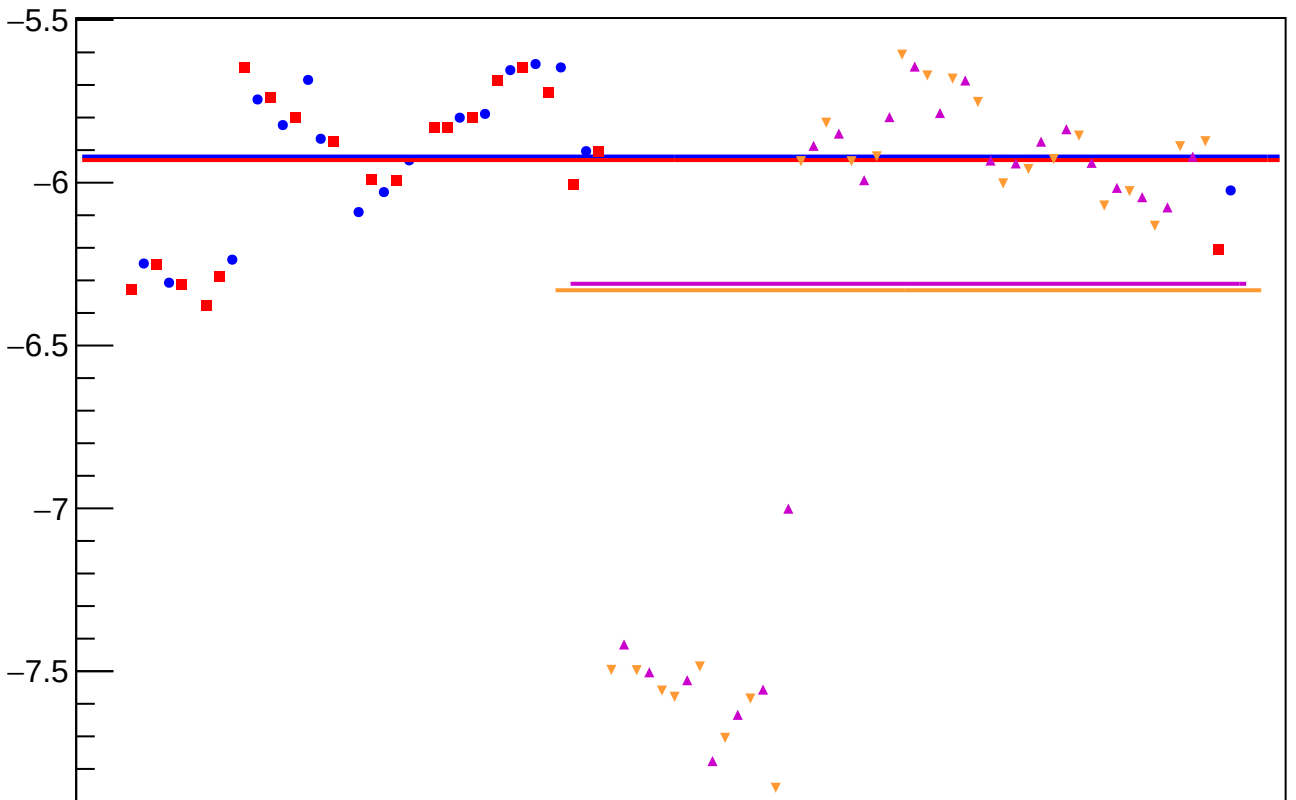
Right Out: 0.007+/-0.000 χ^2/NDF: 402275.7/19

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 1029474.4/41

All: 0.007+/-0.000 χ^2/NDF: 2205845.4/84

- sign 0.007+/-0.000 χ^2/NDF: 1176203.6/42



Right In: -5.920+/-0.000 χ^2/NDF: 11751126592.4/16

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

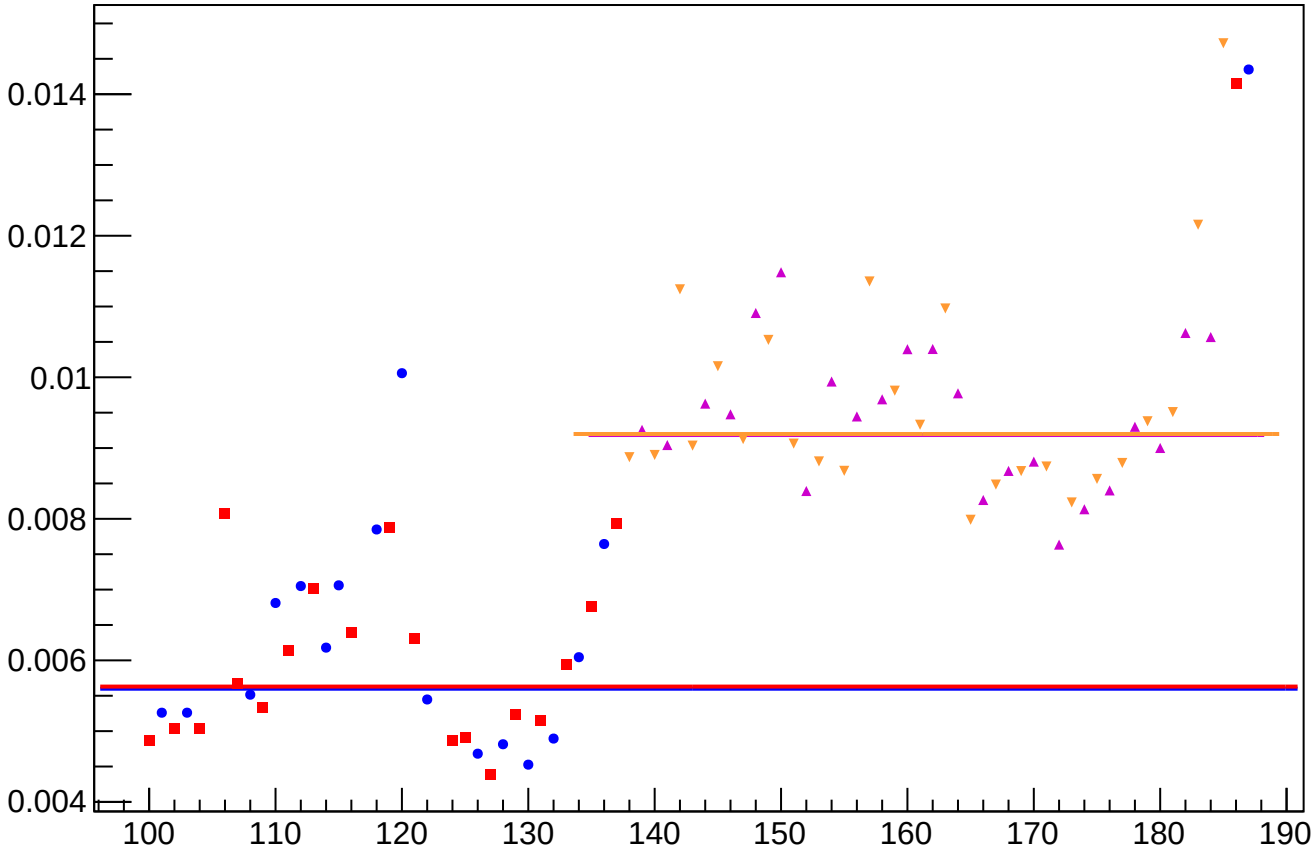
Right Out: -5.931+/-0.000 χ^2/NDF: 12786568312.8/19

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.121+/-0.000 χ^2/NDF: 138483305164.4/41

All: -6.113+/-0.000 χ^2/NDF: 257173200809.9

- sign -6.106+/-0.000 χ^2/NDF: 118648268737.0/42



Right In: 0.006+/-0.000 χ^2/NDF: 618336.4/16

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 641325.7/19

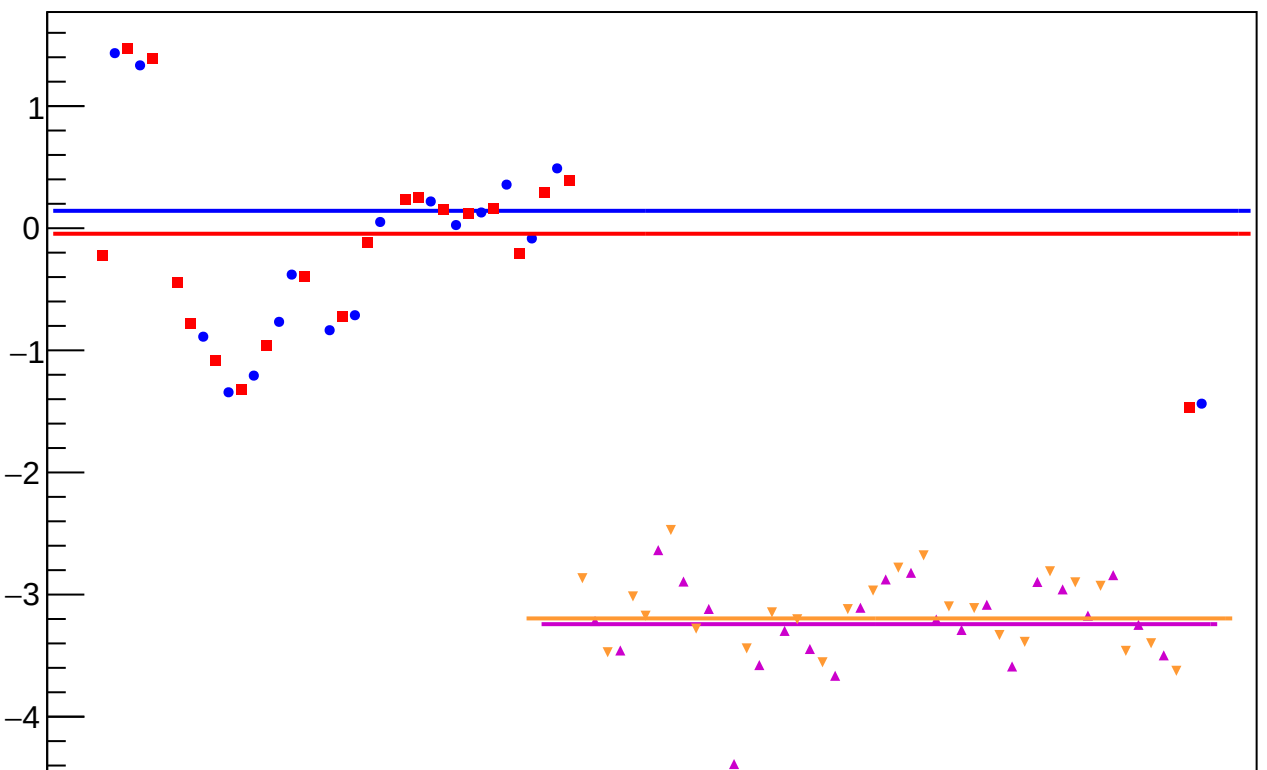
Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.007+/-0.000 χ^2/NDF: 3508076.9/41

All: 0.007+/-0.000 χ^2/NDF: 6954082.4/84

- sign 0.007+/-0.000 χ^2/NDF: 3442915.2/42

yield_bpm0l02X_mean vs Slug



Right In: 0.142+/-0.000 χ^2/NDF: 18967831889.8/16

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.045+/-0.000 χ^2/NDF: 24232064277.6/19

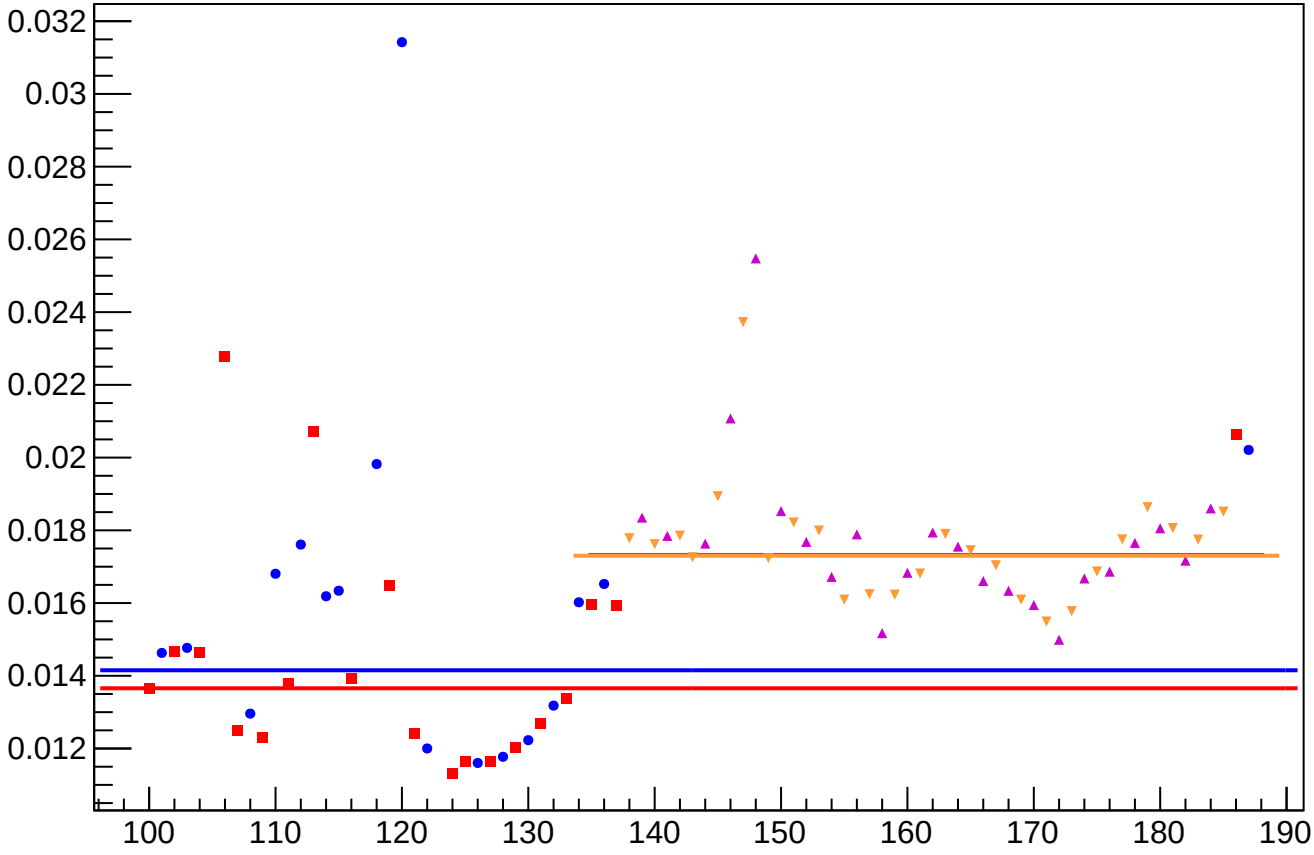
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -2.054+/-0.000 χ^2/NDF: 264918185103.0/41

All: -2.018+/-0.000 χ^2/NDF: 532760751166.9

- sign -1.982+/-0.000 χ^2/NDF: 267591382532.0/42

yield_bpm0l02X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 495686.0/16

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

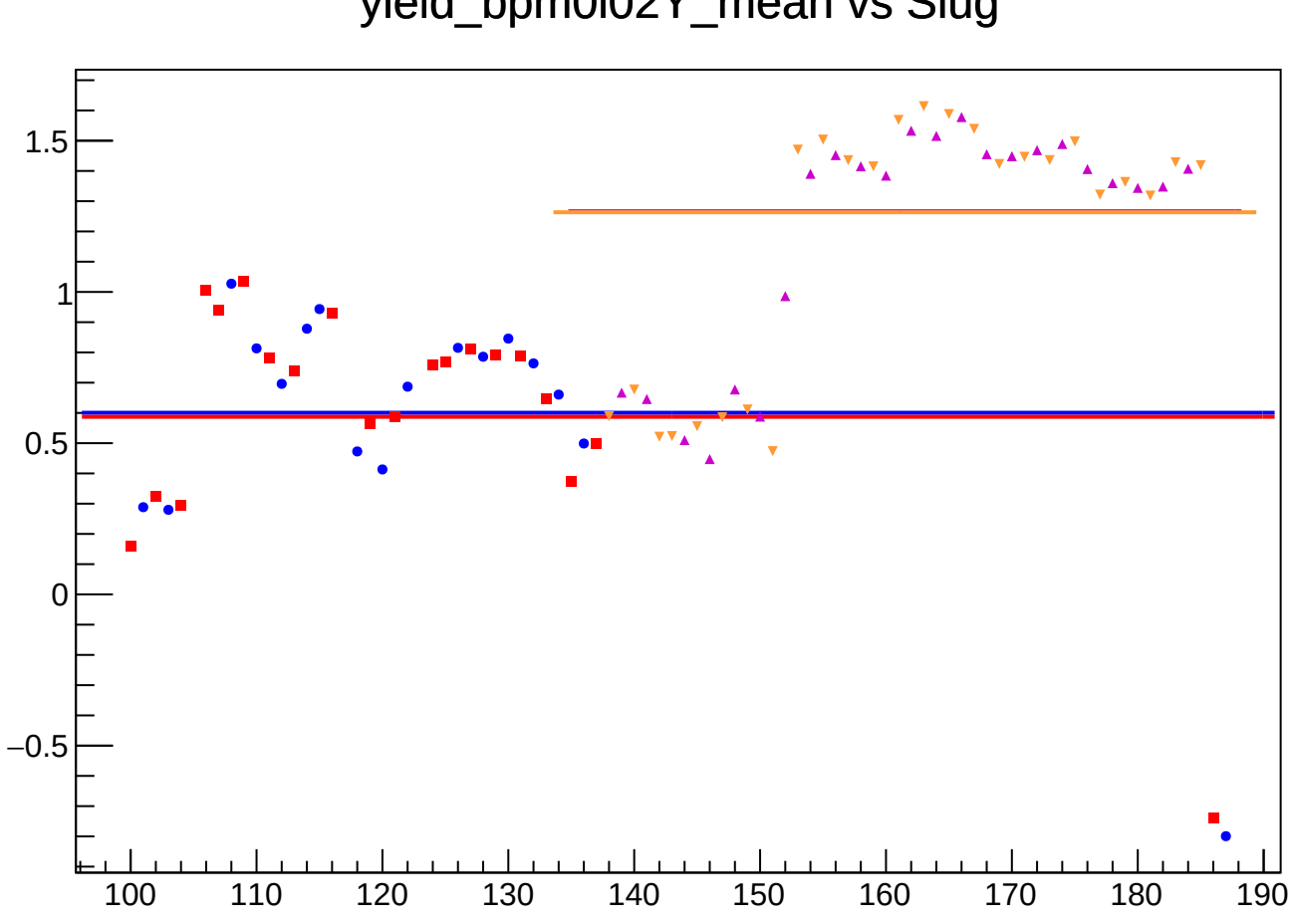
Right Out: 0.014+/-0.000 χ^2/NDF: 398739.2/19

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.016+/-0.000 χ^2/NDF: 1134664.0/41

All: 0.016+/-0.000 χ^2/NDF: 2493917.0/84

- sign 0.016+/-0.000 χ^2/NDF: 1347743.5/42



Right In: 0.601+/-0.000 χ^2/NDF: 7132485615.6/16

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.587+/-0.000 χ^2/NDF: 10567366031.4/19

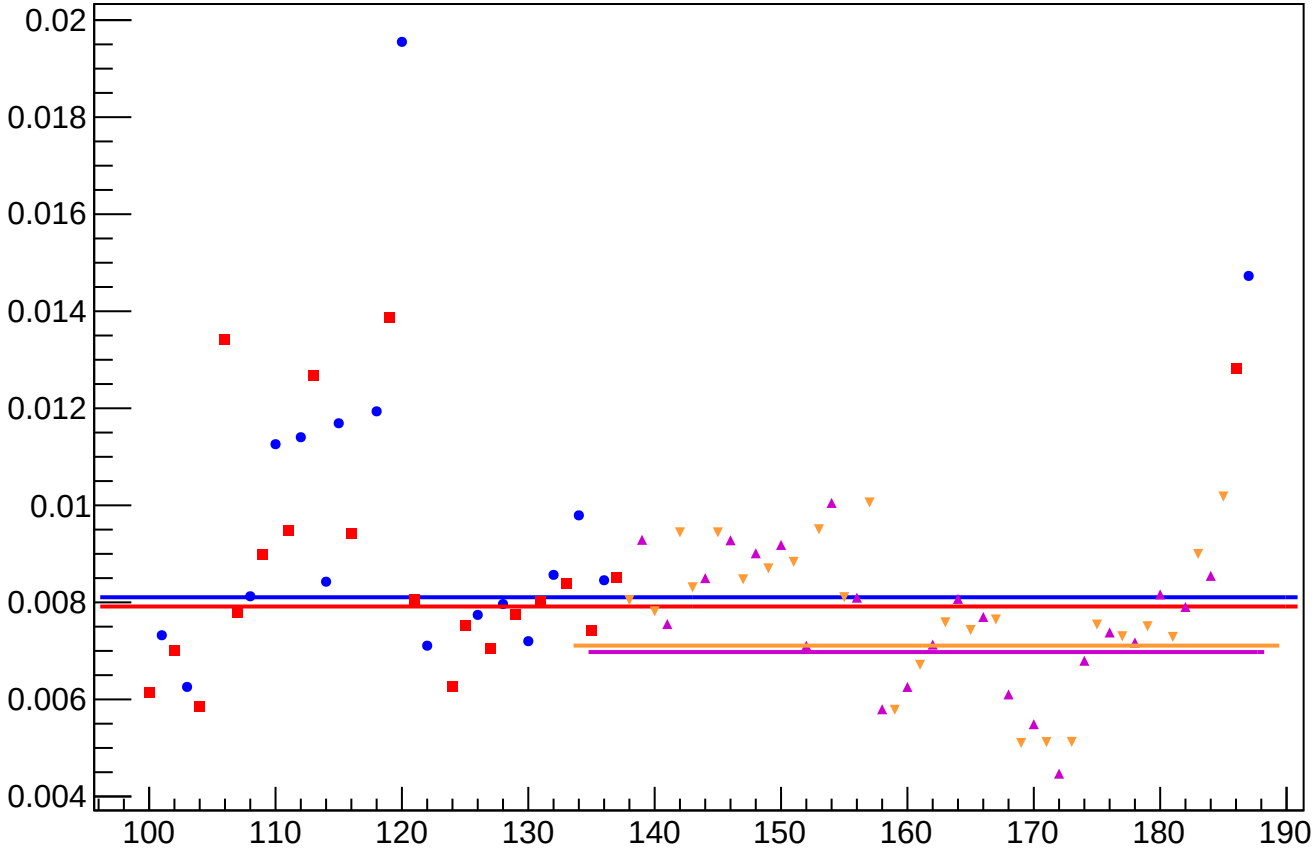
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 1.117+/-0.000 χ^2/NDF: 85343486887.3/41

All: 1.109+/-0.000 χ^2/NDF: 171141360647.7

- sign 1.101+/-0.000 χ^2/NDF: 85742297977.1/42

yield_bpm0l02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 665163.0/16

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

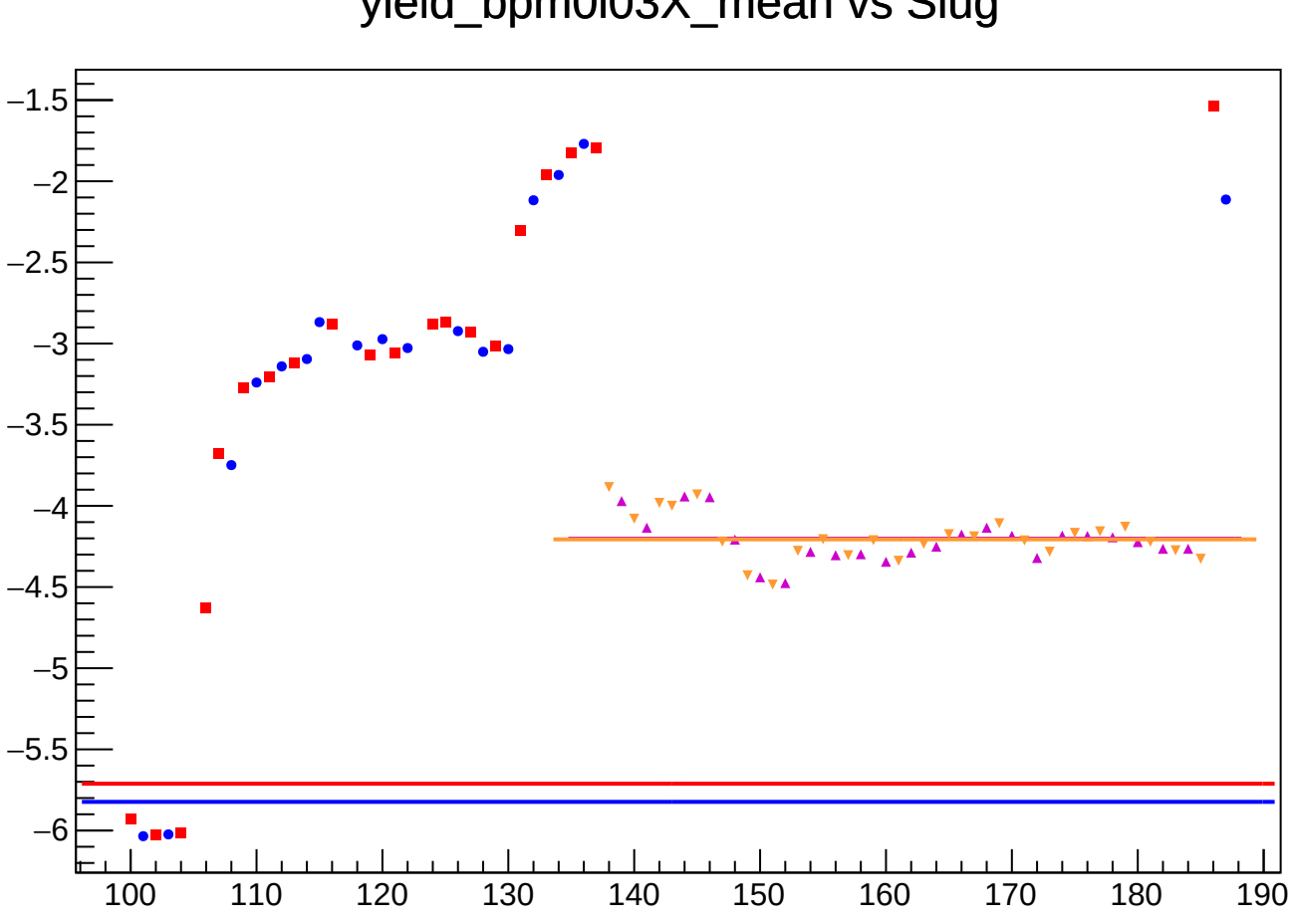
Right Out: 0.008+/-0.000 χ^2/NDF: 701143.1/19

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 2331841.9/41

All: 0.007+/-0.000 χ^2/NDF: 4640044.7/84

- sign 0.007+/-0.000 χ^2/NDF: 2301482.2/42



Right In: -5.823+/-0.000 χ^2/NDF: 38977430103.9/16

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -5.712+/-0.000 χ^2/NDF: 53904537464.3/19

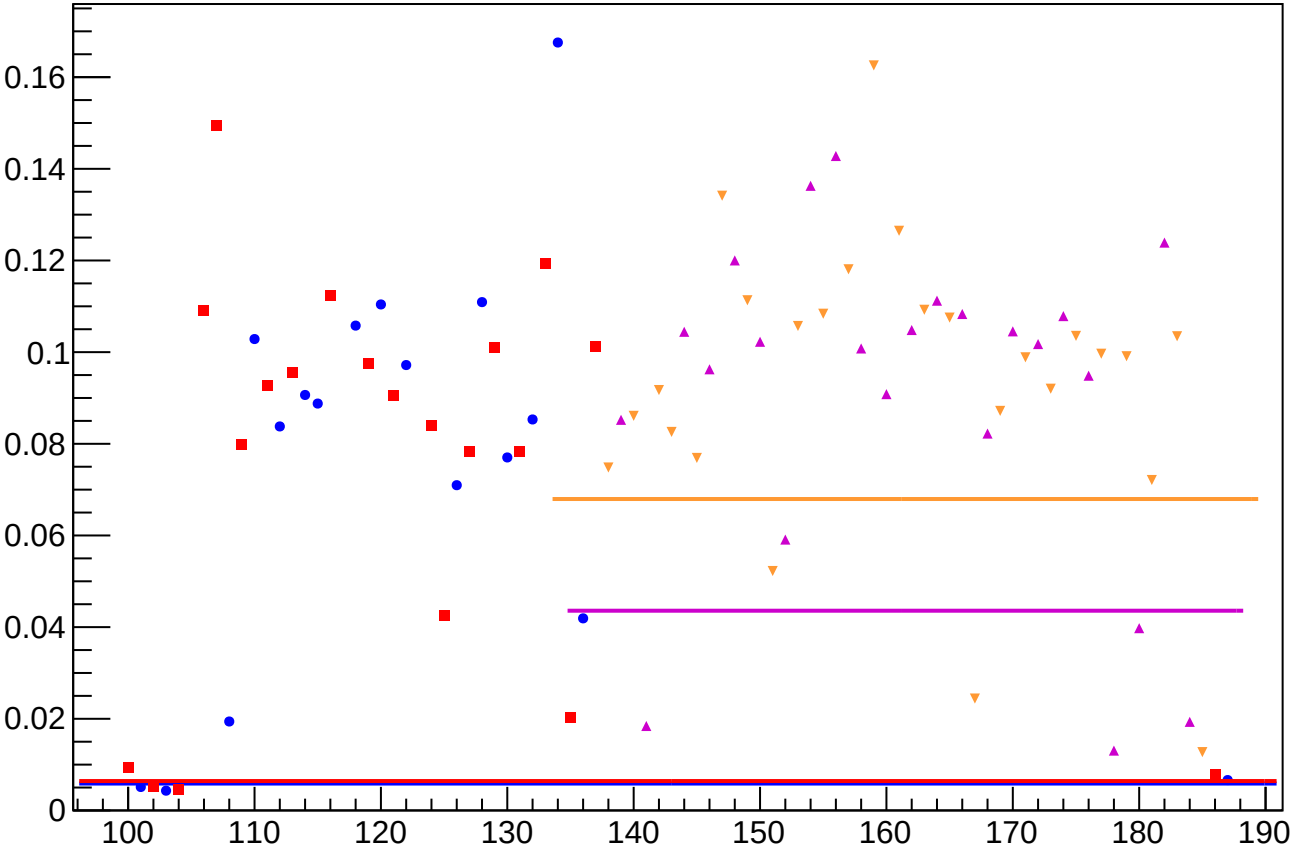
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -5.747+/-0.000 χ^2/NDF: 45669428466.4/41

All: -5.671+/-0.000 χ^2/NDF: 108844757394.8

- sign -5.585+/-0.000 χ^2/NDF: 62490994666.4/42

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8702709.2/16

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8760396.2/19

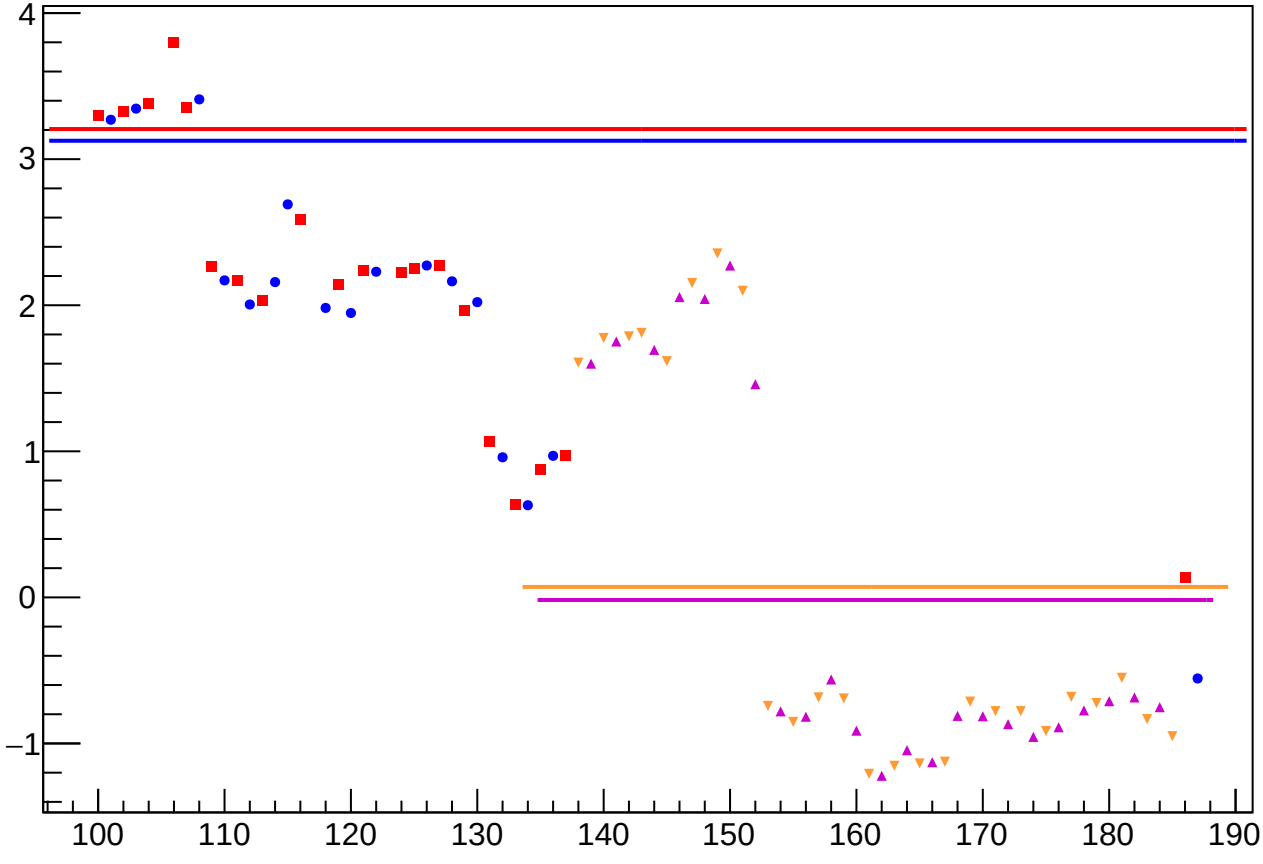
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 35871396.6/41

All: 0.009+/-0.000 χ^2/NDF: 67773048.5/84

- sign 0.010+/-0.000 χ^2/NDF: 31874161.2/42

yield_bpm0l03Y_mean vs Slug



Right In: 3.126+/-0.000 χ^2/NDF: 18906074222.6/16

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 3.206+/-0.000 χ^2/NDF: 11302535285.2/19

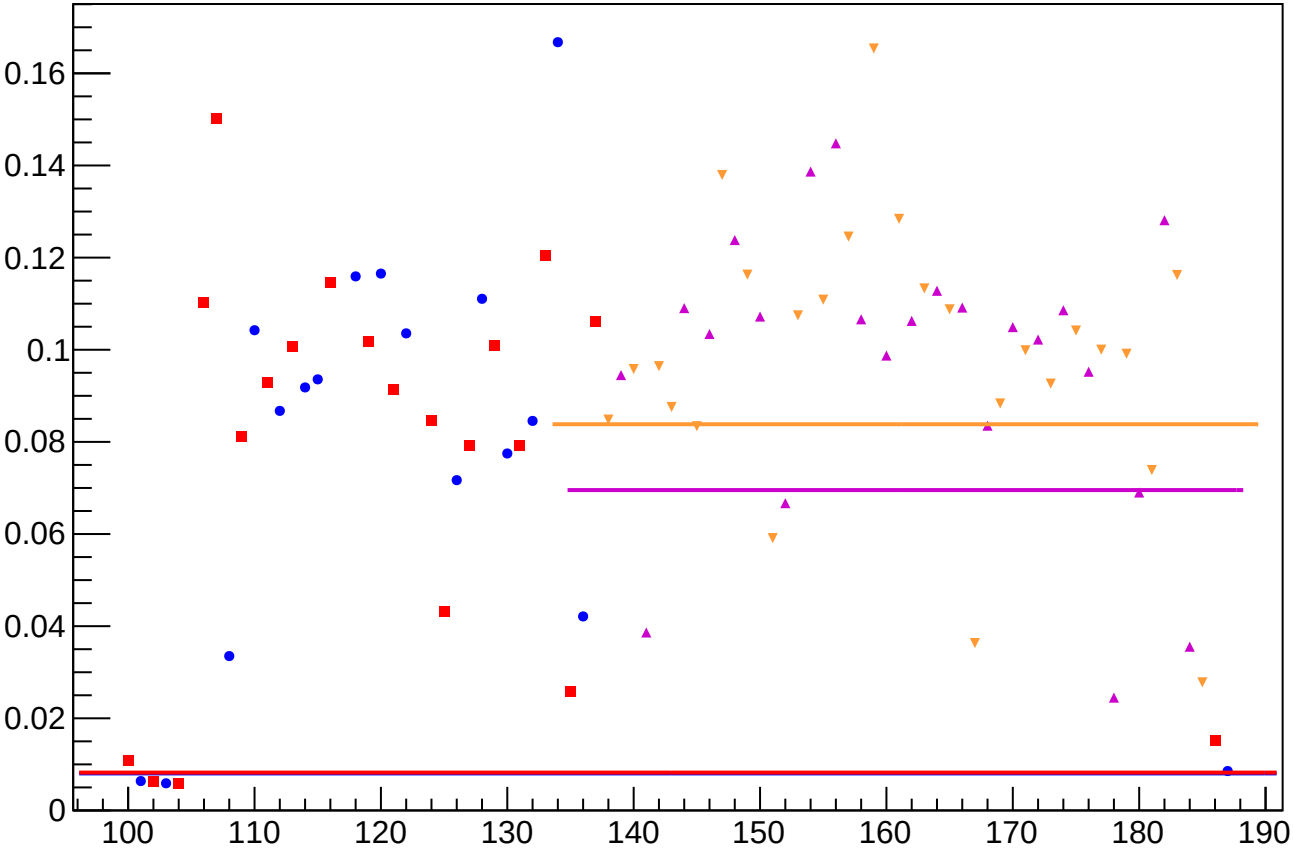
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 2.942+/-0.000 χ^2/NDF: 40581911483.8/41

All: 2.956+/-0.000 χ^2/NDF: 78260360714.0/8

- sign 2.970+/-0.000 χ^2/NDF: 37665736628.9/42

yield_bpm0l03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8416299.0/16

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

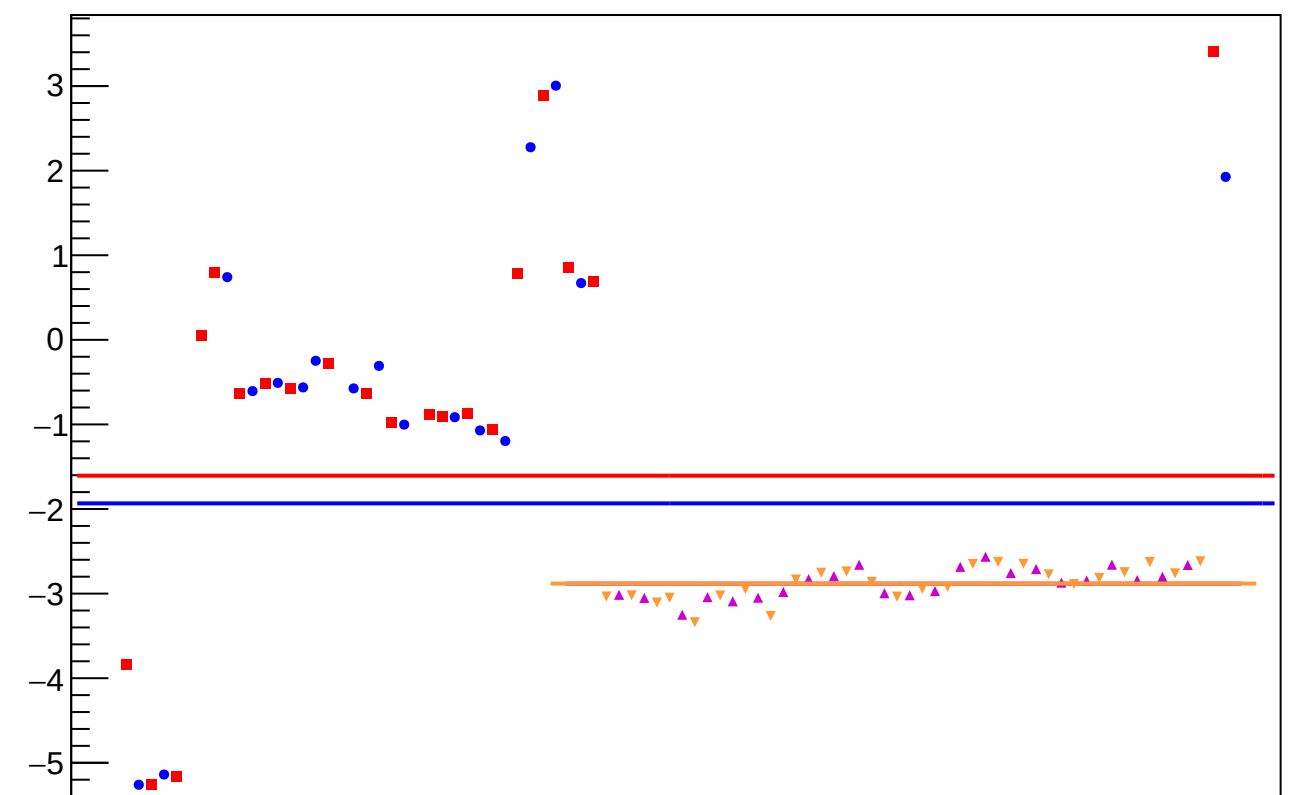
Right Out: 0.008+/-0.000 χ^2/NDF: 8627220.0/19

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 34460017.5/41

All: 0.013+/-0.000 χ^2/NDF: 66358344.5/84

- sign 0.013+/-0.000 χ^2/NDF: 31897905.9/42



Right In: -1.933+/-0.000 χ^2/NDF: 165455455127.3/16

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.606+/-0.000 χ^2/NDF: 180744549493.2/19

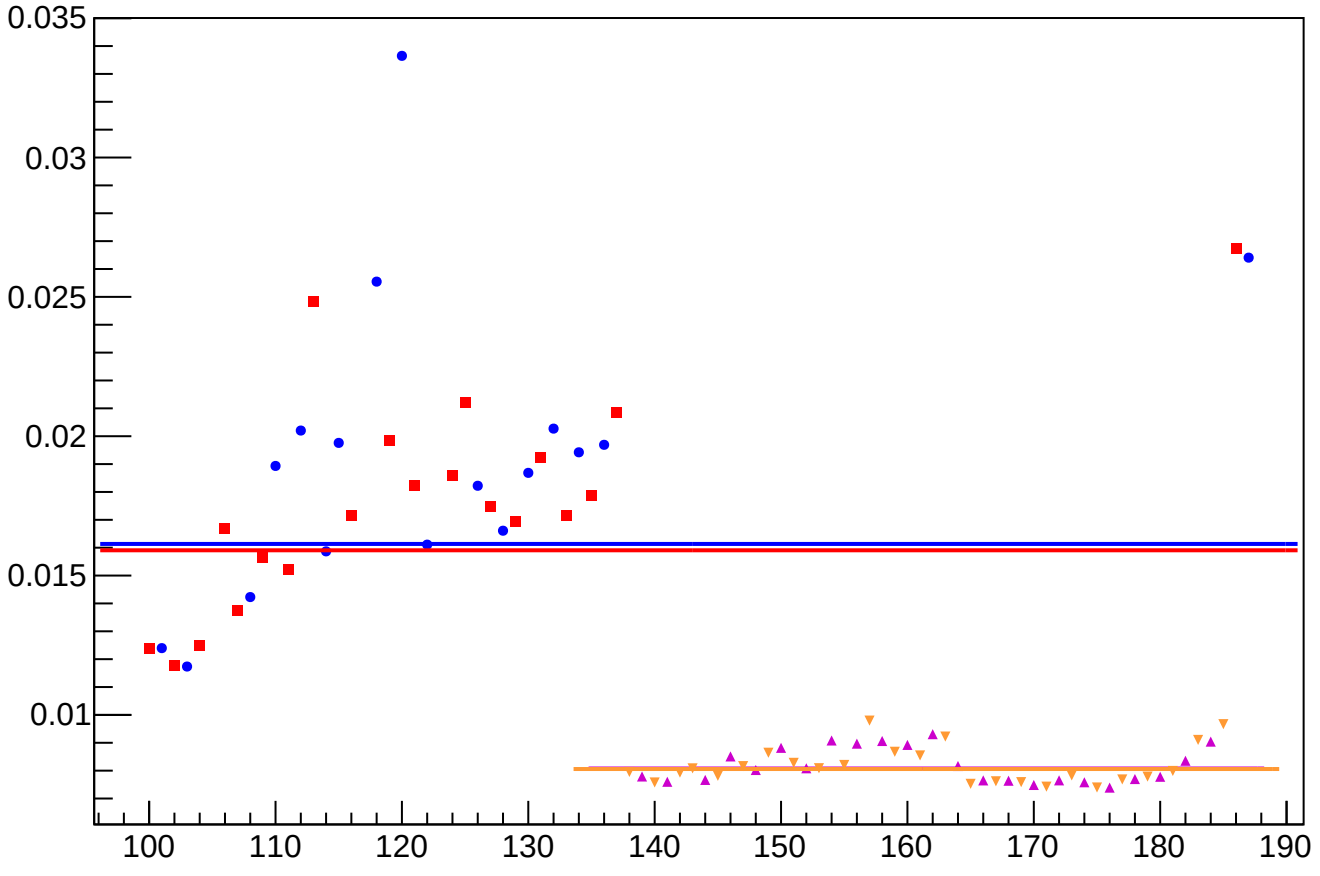
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.811+/-0.000 χ^2/NDF: 195039577008.7/41

All: -2.790+/-0.000 χ^2/NDF: 423389002446.5

- sign -2.768+/-0.000 χ^2/NDF: 228079463503.7/42

yield_bpm0l04X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 785031.9/16

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.016+/-0.000 χ^2/NDF: 622099.9/19

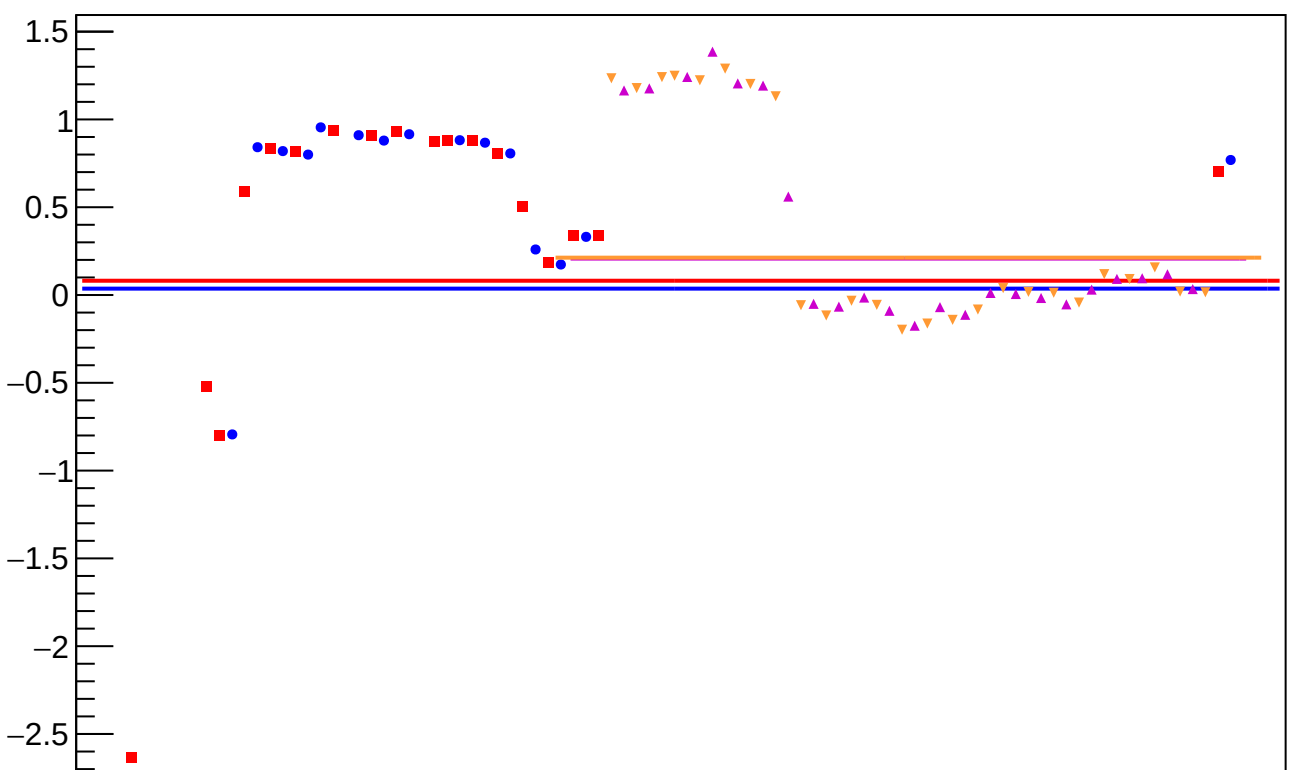
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 3733217.8/41

All: 0.009+/-0.000 χ^2/NDF: 7479044.8/84

- sign 0.009+/-0.000 χ^2/NDF: 3741617.7/42

yield_bpm0l04Y_mean vs Slug



Right In: 0.036+/-0.000 χ^2/NDF: 854021784024.2/16

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.081+/-0.000 χ^2/NDF: 941173134026.8/19

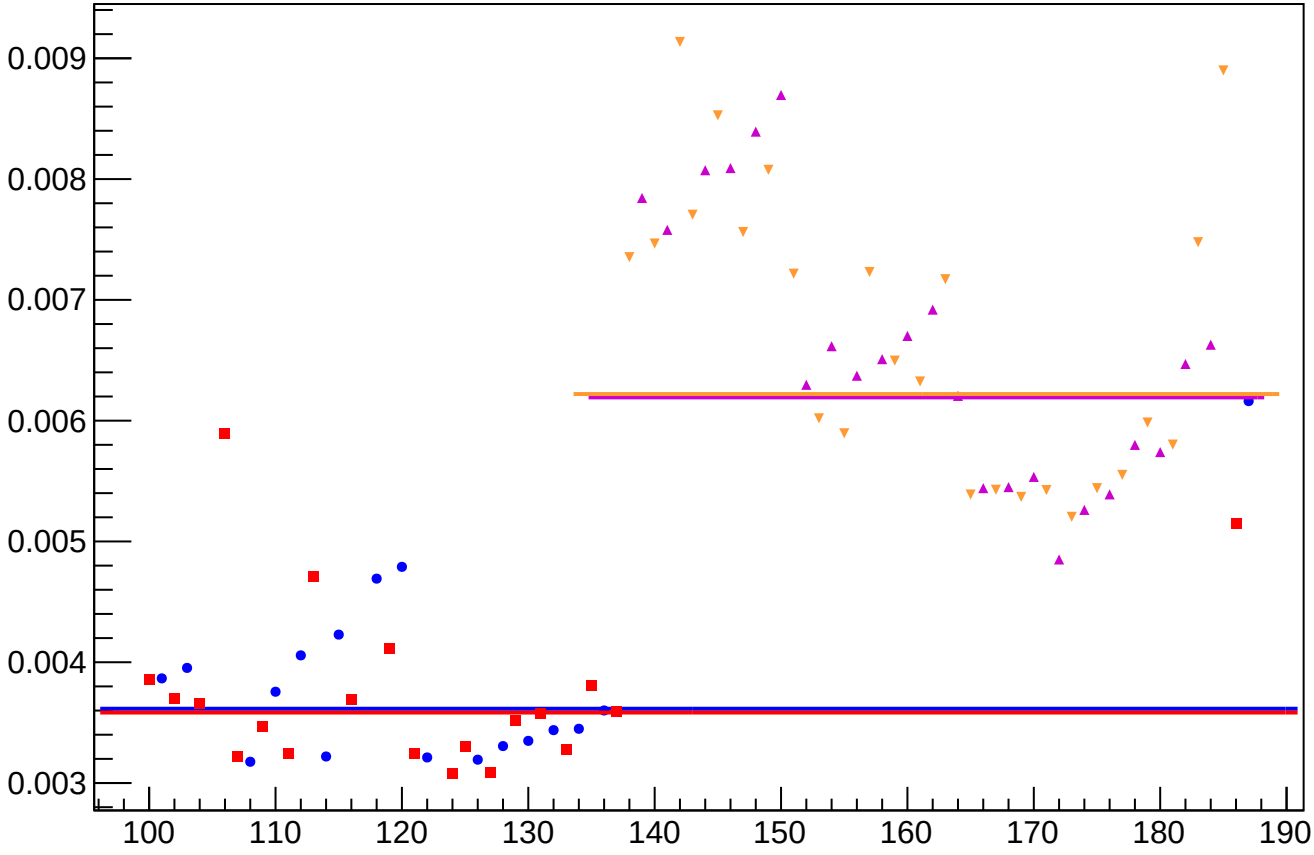
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.116+/-0.000 χ^2/NDF: 964200466129.1/41

All: 0.125+/-0.000 χ^2/NDF: 1996466306121.

- sign 0.134+/-0.000 χ^2/NDF: 1032102946941.0/42

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 237085.0/16

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

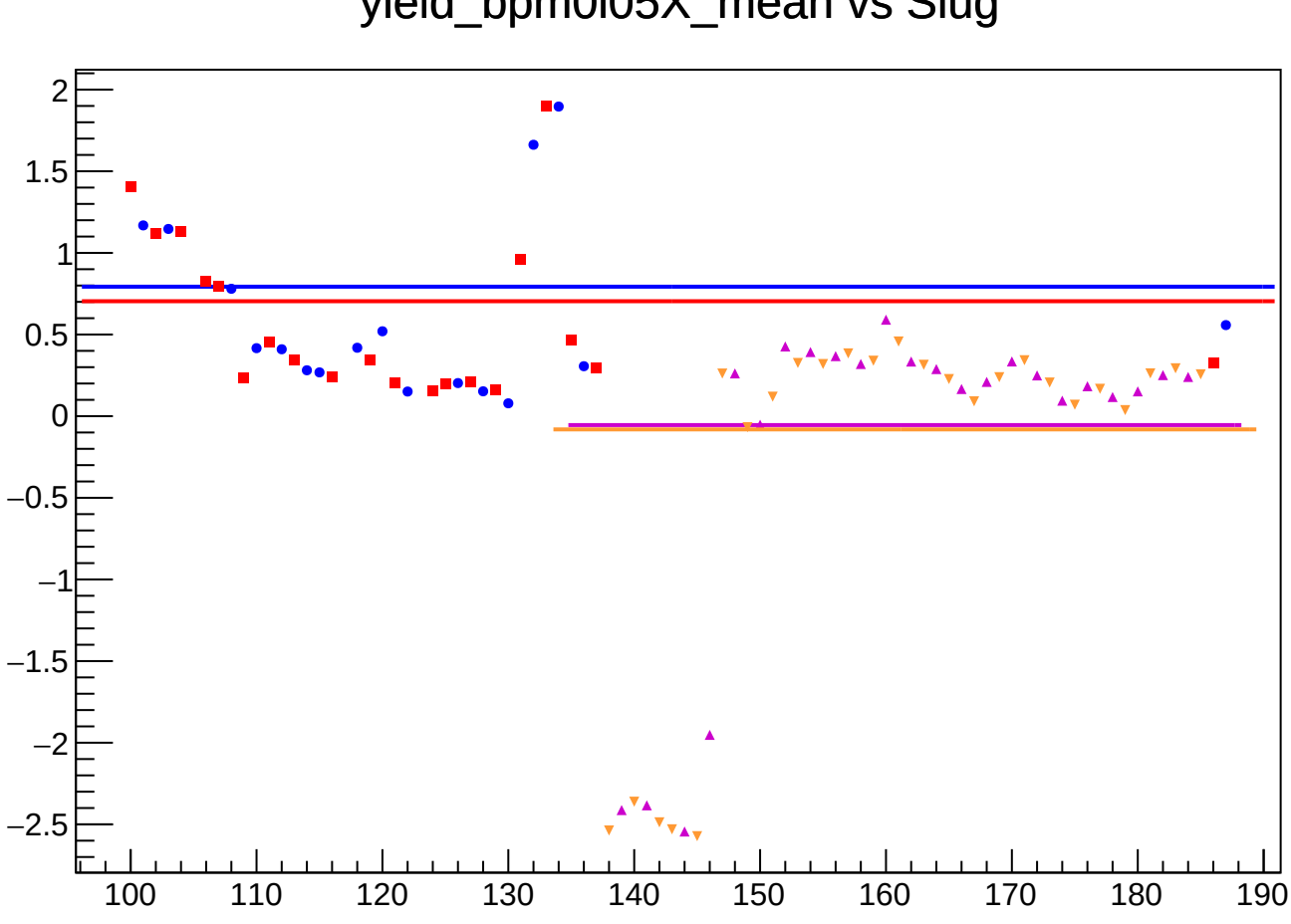
Right Out: 0.004+/-0.000 χ^2/NDF: 297017.3/19

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4262343.5/41

All: 0.005+/-0.000 χ^2/NDF: 8658431.4/84

- sign 0.005+/-0.000 χ^2/NDF: 4383783.3/42



Right In: 0.793+/-0.000 χ^2/NDF: 36199245893.8/16

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.704+/-0.000 χ^2/NDF: 39768404771.2/19

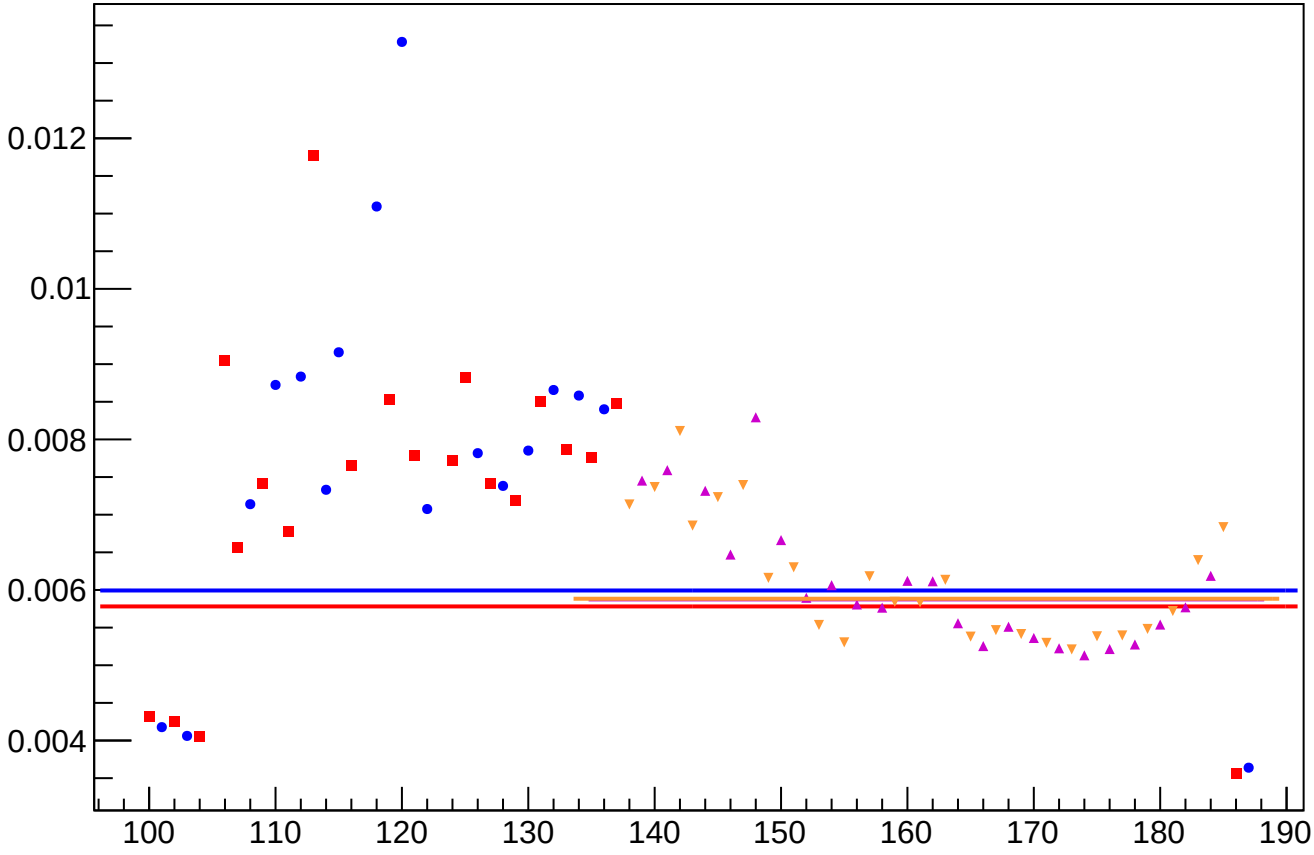
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.126+/-0.000 χ^2/NDF: 516286193706.9/41

All: 0.141+/-0.000 χ^2/NDF: 980747673521.4

- sign 0.156+/-0.000 χ^2/NDF: 464166564128.8/42

yield_bpm0l05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1581544.6/16

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

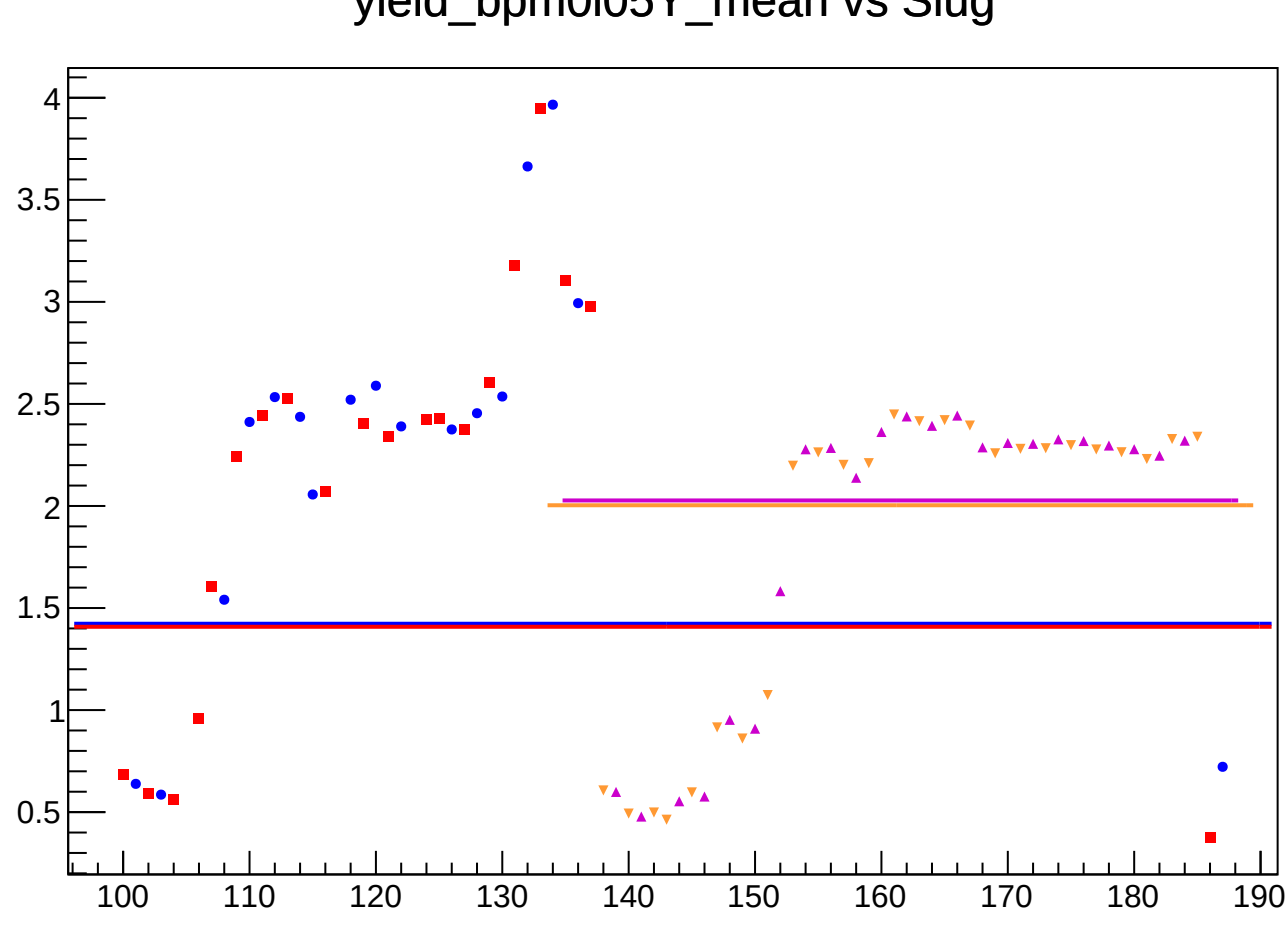
Right Out: 0.006+/-0.000 χ^2/NDF: 1520119.6/19

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 2042229.1/41

All: 0.006+/-0.000 χ^2/NDF: 4089021.1/84

- sign 0.006+/-0.000 χ^2/NDF: 2044333.5/42



Right In: 1.423+/-0.000 χ^2/NDF: 172686745235.7/16

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.408+/-0.000 χ^2/NDF: 201917170469.9/19

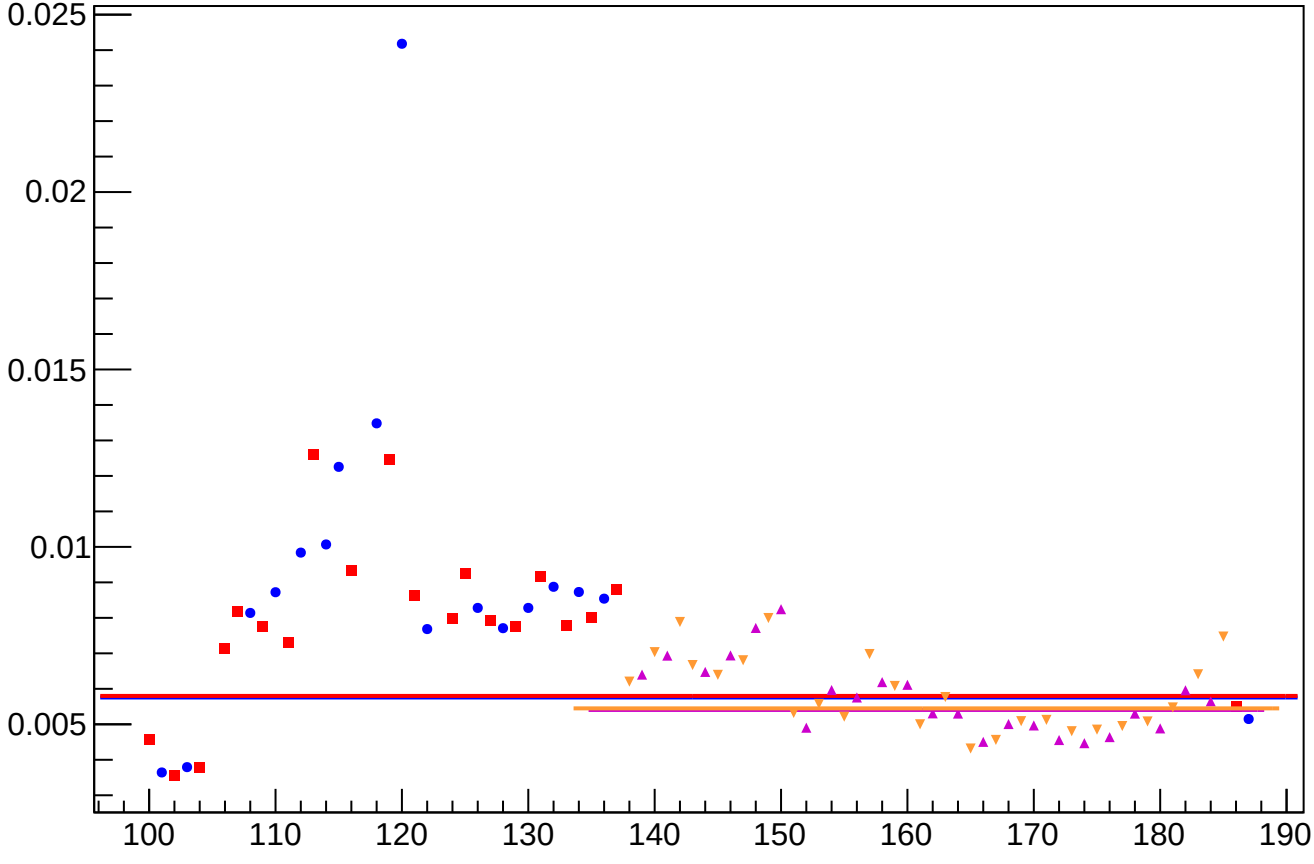
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.876+/-0.000 χ^2/NDF: 432803173380.0/41

All: 1.875+/-0.000 χ^2/NDF: 879471604492.3

- sign 1.874+/-0.000 χ^2/NDF: 446667726772.9/42

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2218463.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

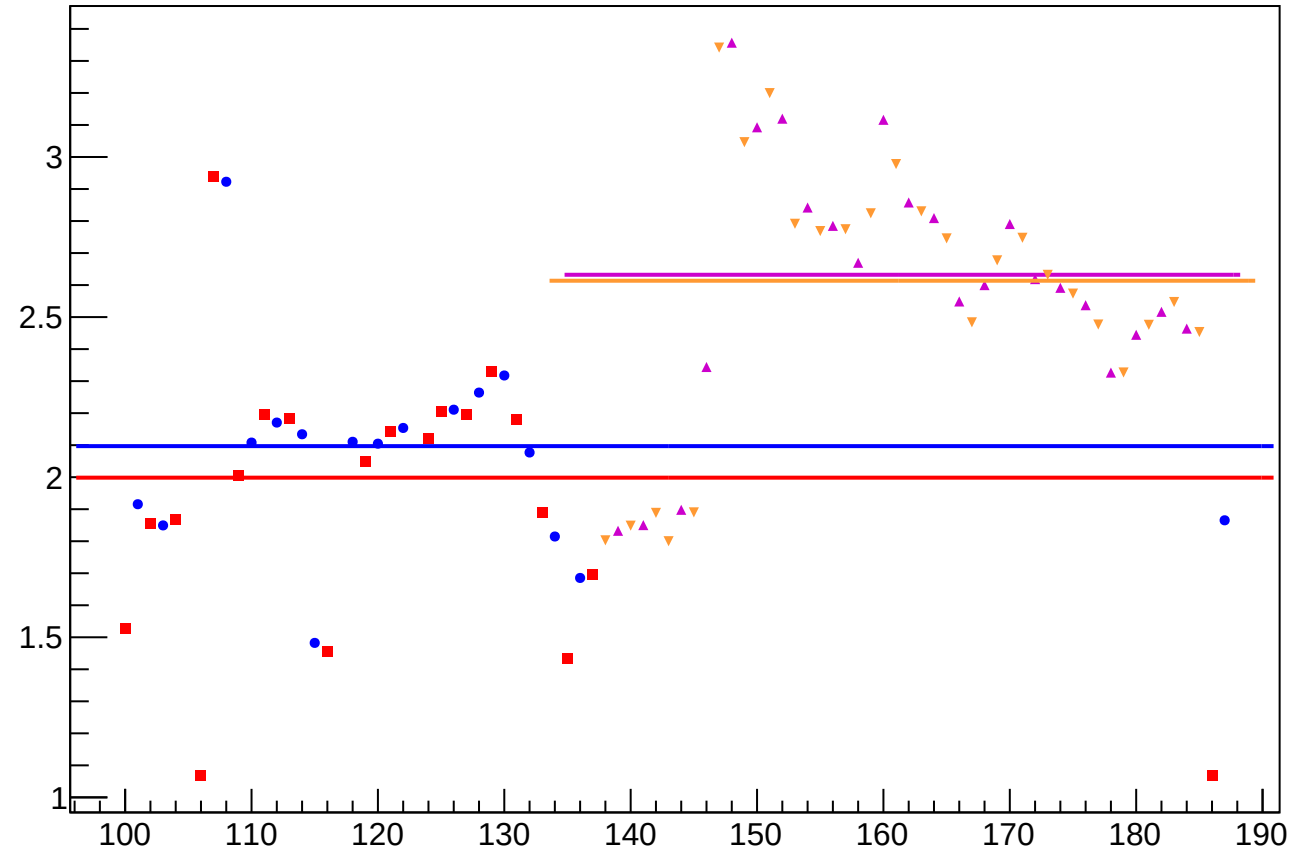
Right Out: 0.006+/-0.000 χ^2/NDF: 1958203.0/19

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 3012811.0/41

All: 0.006+/-0.000 χ^2/NDF: 5827259.2/84

- sign 0.006+/-0.000 χ^2/NDF: 2814306.4/42



Right In: 2.097+/-0.000 χ^2/NDF: 14008992883.5/16

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.999+/-0.000 χ^2/NDF: 21955564987.9/19

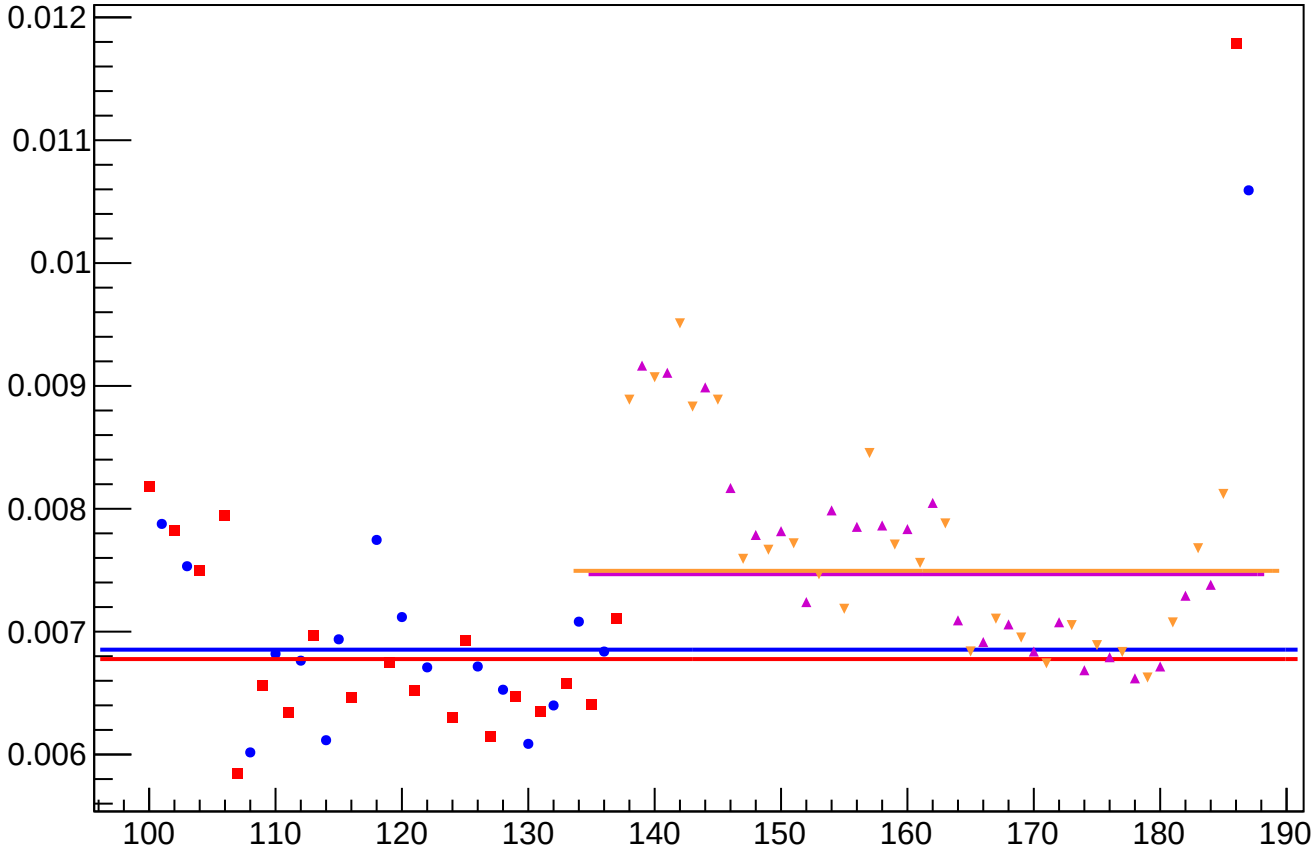
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.451+/-0.000 χ^2/NDF: 87552015115.9/41

All: 2.433+/-0.000 χ^2/NDF: 193119539624.2

- sign 2.415+/-0.000 χ^2/NDF: 105260168864.7/42

yield_bpm0l06X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 128694.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

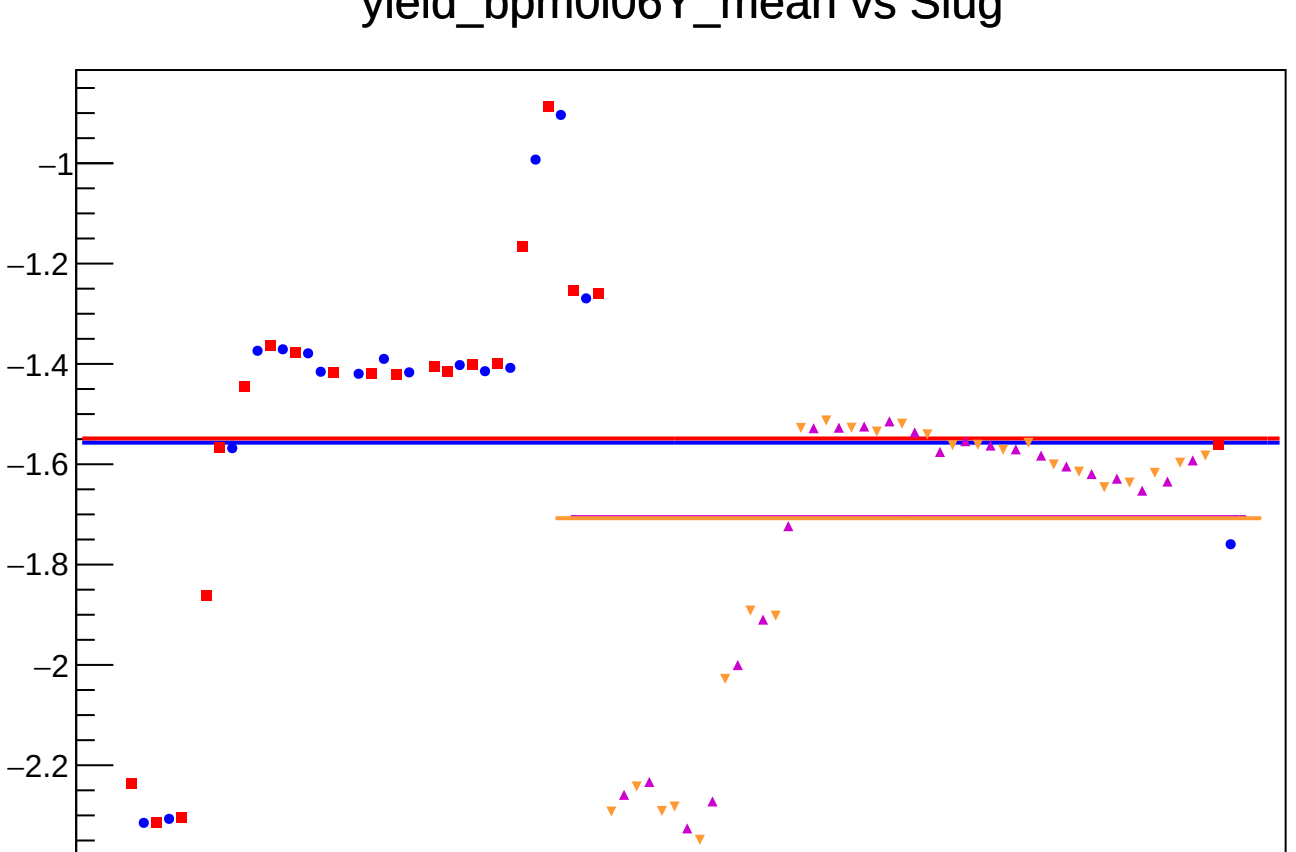
Right Out: 0.007+/-0.000 χ^2/NDF: 223448.9/19

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.007+/-0.000 χ^2/NDF: 545111.5/41

All: 0.007+/-0.000 χ^2/NDF: 1193939.6/84

- sign 0.007+/-0.000 χ^2/NDF: 646993.8/42



Right In: -1.557+/-0.000 χ^2/NDF: 175814184039.9/16

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.549+/-0.000 χ^2/NDF: 174748572804.9/19

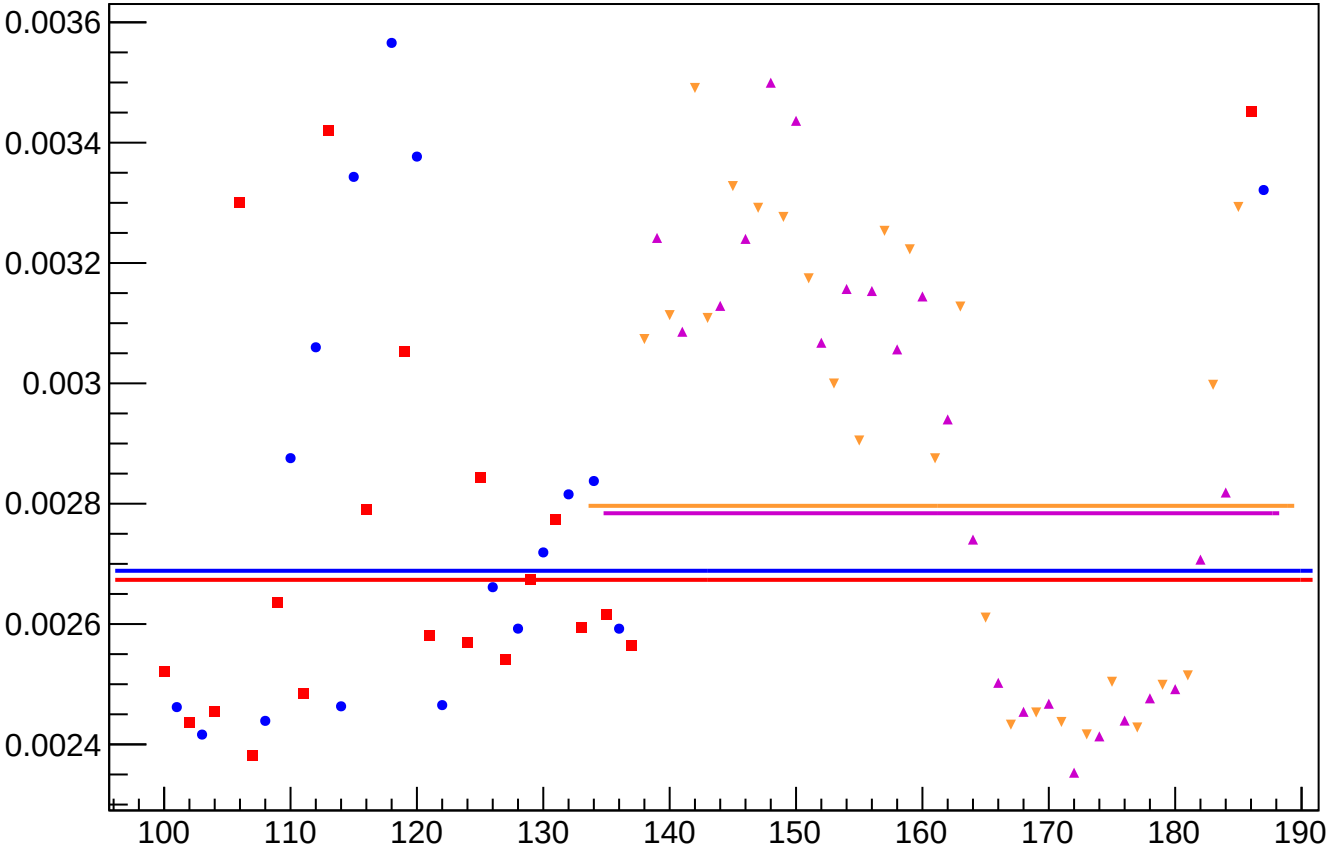
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.663+/-0.000 χ^2/NDF: 342910788077.5/41

All: -1.659+/-0.000 χ^2/NDF: 671596586608.4

- sign -1.655+/-0.000 χ^2/NDF: 328579736913.0/42

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 170333.6/16

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

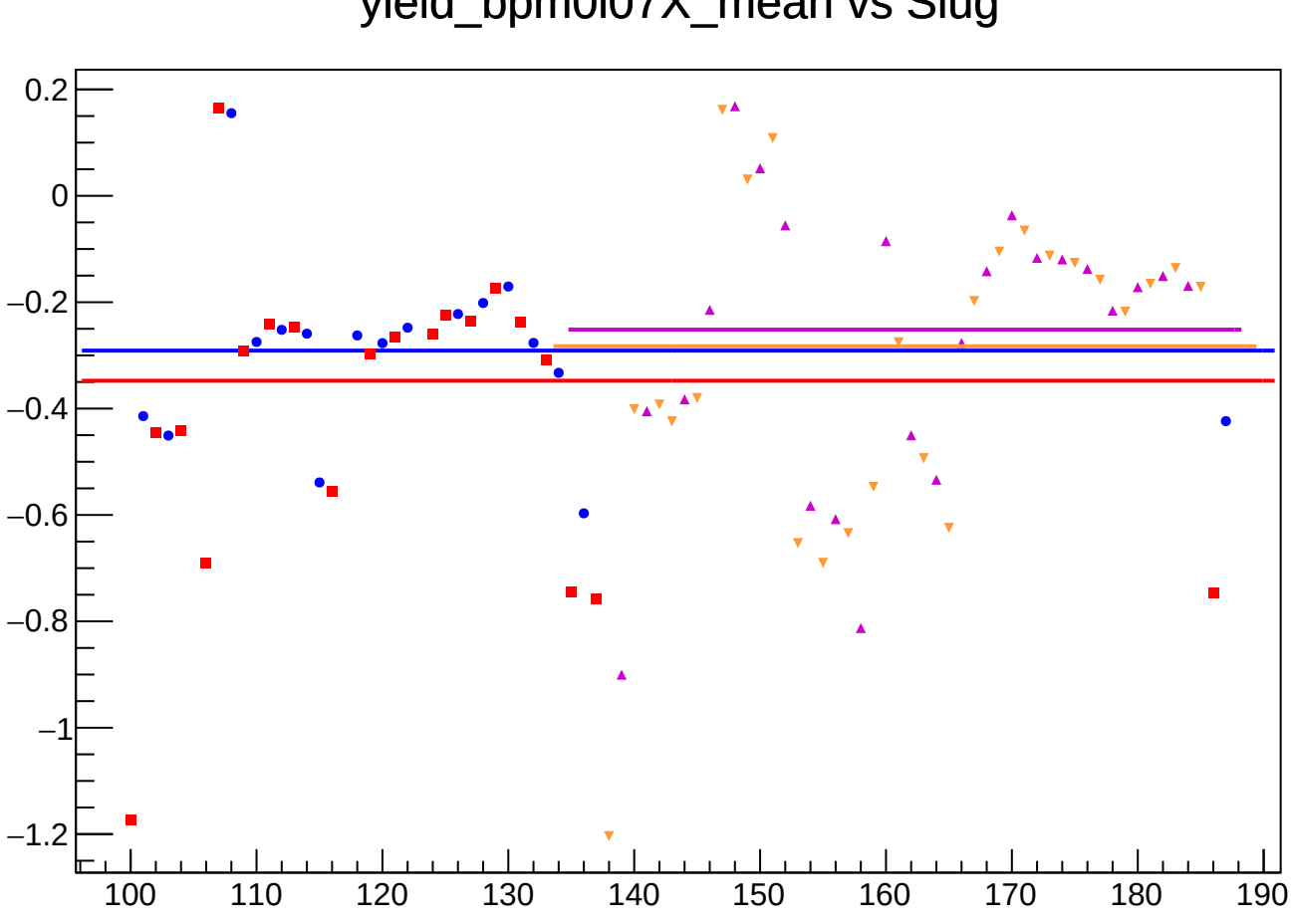
Right Out: 0.003+/-0.000 χ^2/NDF: 157560.9/19

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

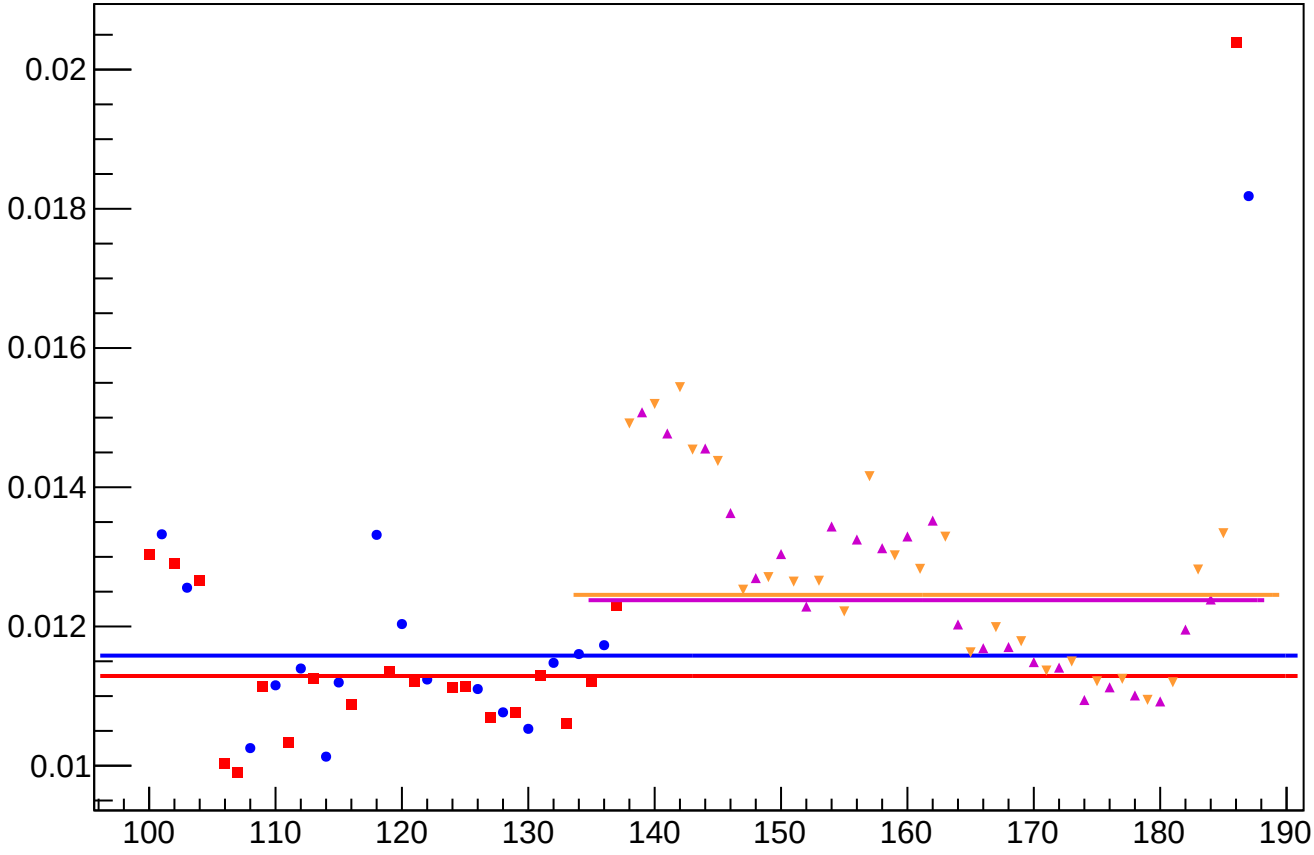
+ sign 0.003+/-0.000 χ^2/NDF: 733749.3/41

All: 0.003+/-0.000 χ^2/NDF: 1466488.3/84

- sign 0.003+/-0.000 χ^2/NDF: 731907.9/42


yield_bpm0l07X_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.291+/-0.000 χ²/NDF: 1654337017.7/16
Left Out: -0.283+/-0.000 χ²/NDF:9343511244.8/24
Right Out: -0.348+/-0.000 χ²/NDF: 2752944544.4/19
Left In: -0.252+/-0.000 χ²/NDF:7167367678.6/22
+ sign -0.285+/-0.000 χ²/NDF: 11000305286.0/41
All: -0.285+/-0.000 χ²/NDF: 21279500165.9/
- sign -0.285+/-0.000 χ²/NDF: 10279146827.2/42

yield_bpm0l07X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 129718.6/16

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.011+/-0.000 χ^2/NDF: 220024.6/19

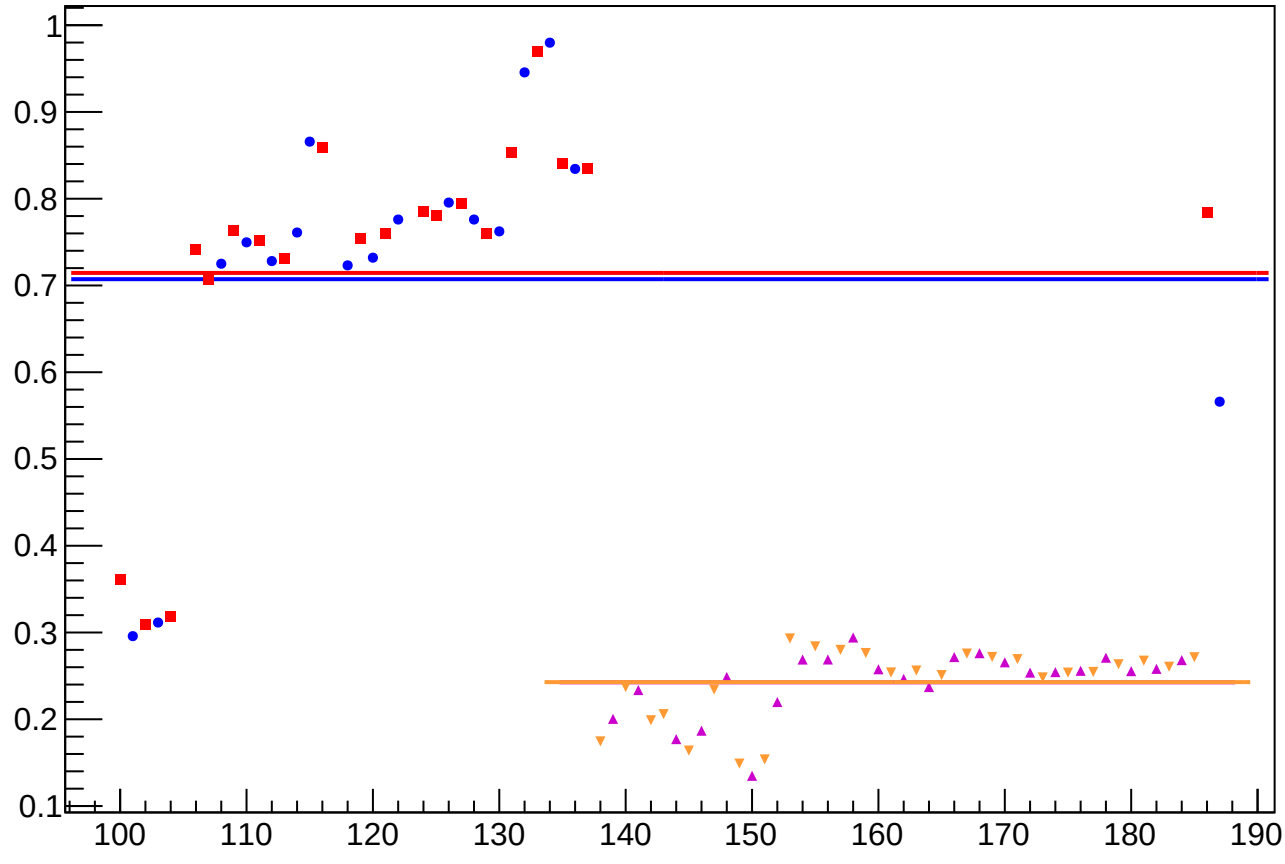
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 526539.3/41

All: 0.012+/-0.000 χ^2/NDF: 1171230.2/84

- sign 0.012+/-0.000 χ^2/NDF: 639047.4/42

yield_bpm0l07Y_mean vs Slug



Right In: 0.707+/-0.000 χ^2/NDF: 49323800703.0/16

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.714+/-0.000 χ^2/NDF: 44400546537.1/19

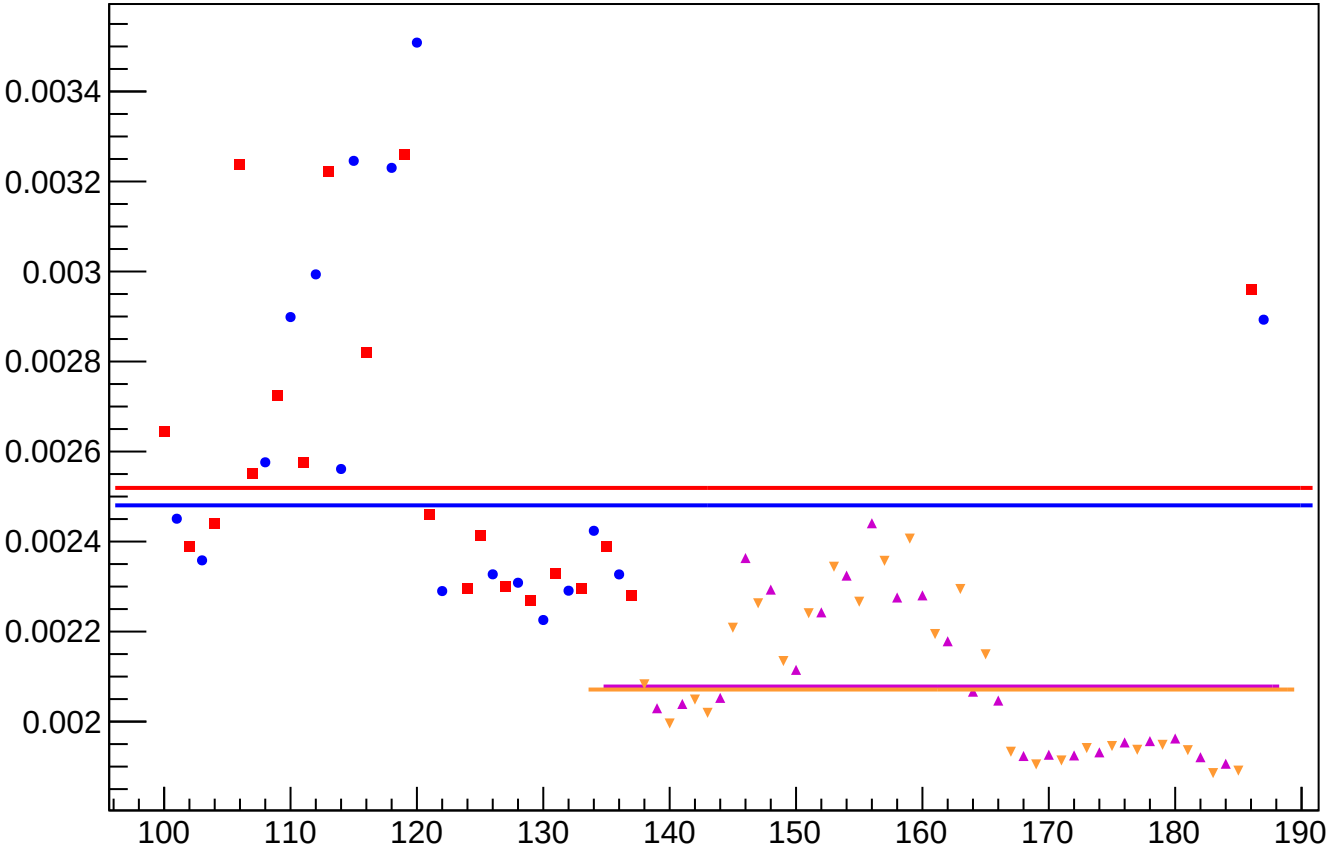
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.337+/-0.000 χ^2/NDF: 251595333552.4/41

All: 0.341+/-0.000 χ^2/NDF: 505575718862.0

- sign 0.346+/-0.000 χ^2/NDF: 253786858991.3/42

yield_bpm0l07Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 214866.5/16

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 195804.2/19

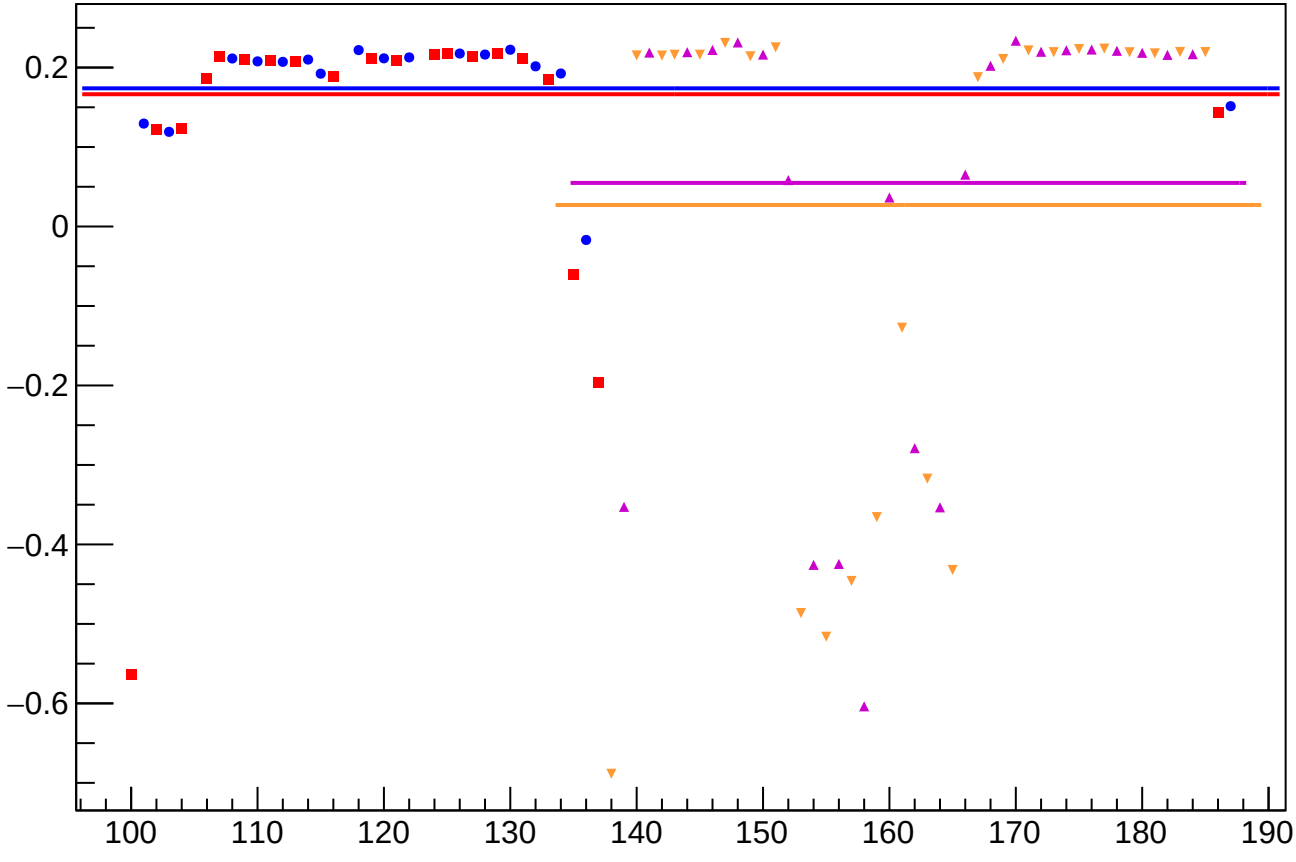
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 751418.5/41

All: 0.002+/-0.000 χ^2/NDF: 1517057.8/84

- sign 0.002+/-0.000 χ^2/NDF: 763487.7/42

yield_bpm0l08X_mean vs Slug



Right In: 0.174+/-0.000 χ^2/NDF: 402264798.2/16

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.166+/-0.000 χ^2/NDF: 894727609.3/19

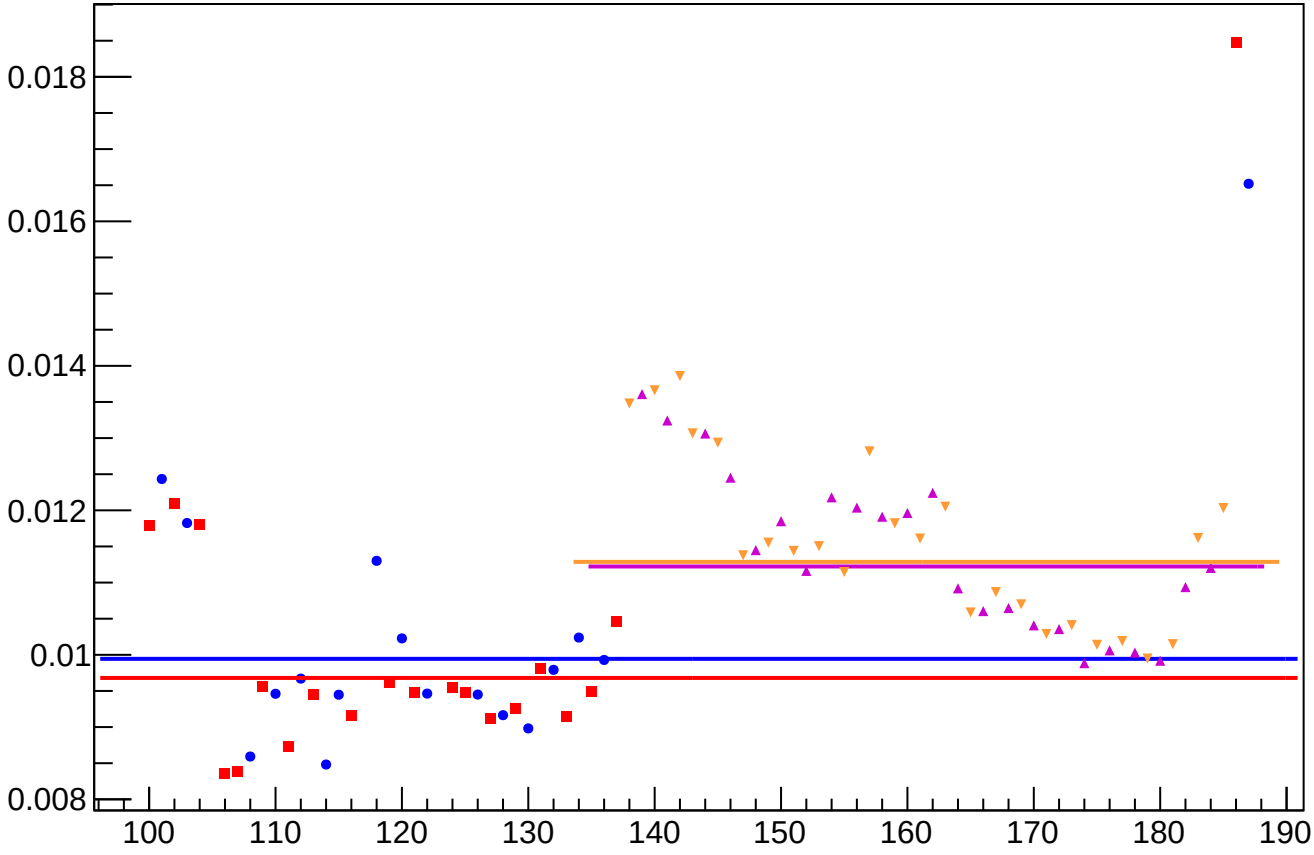
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.076+/-0.000 χ^2/NDF: 14399566586.9/41

All: 0.086+/-0.000 χ^2/NDF: 25672102006.4/8

- sign 0.096+/-0.000 χ^2/NDF: 11228054242.8/42

yield_bpm0l08X_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 203221.6/16

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

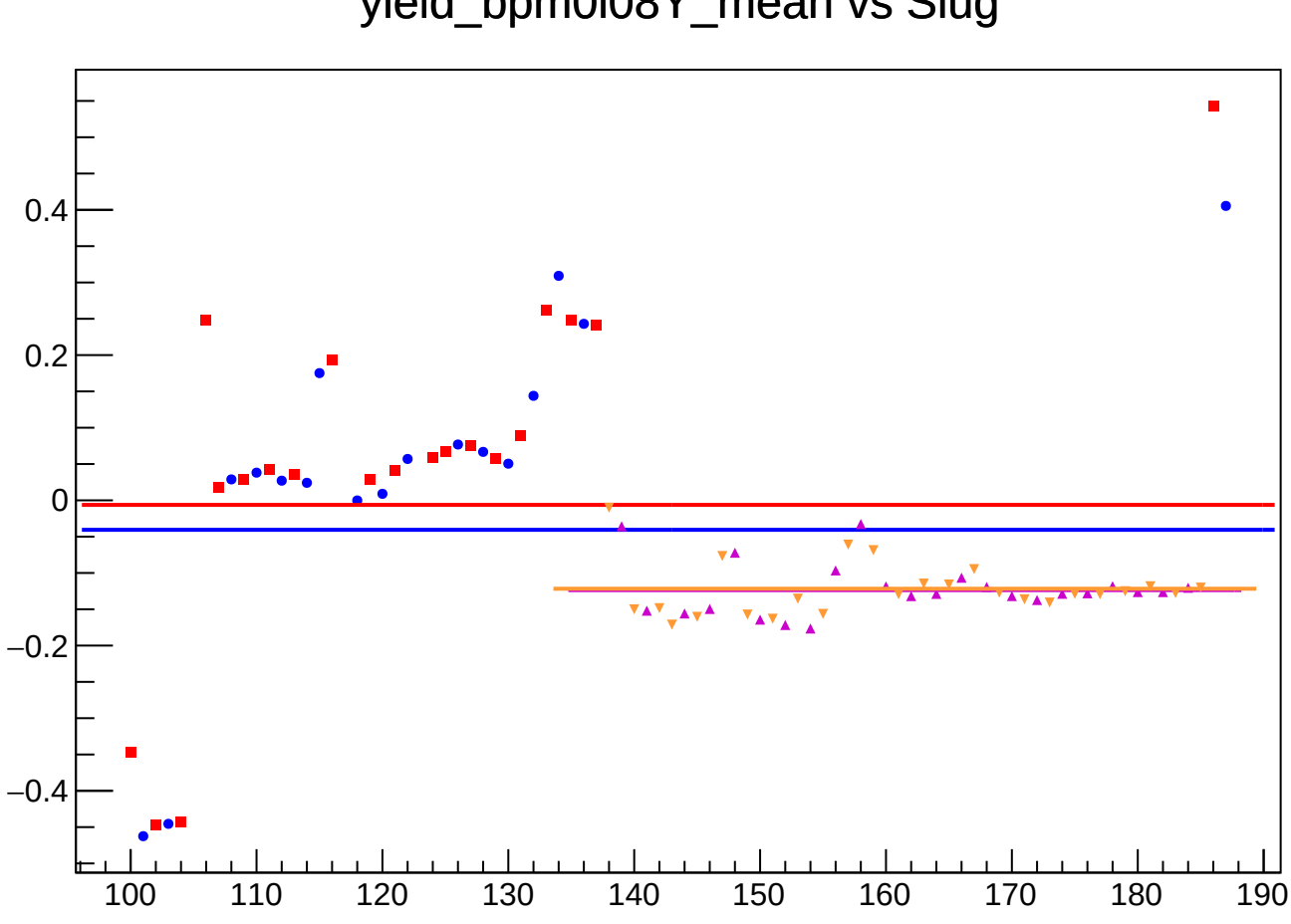
Right Out: 0.010+/-0.000 χ^2/NDF: 306411.4/19

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 702393.0/41

All: 0.011+/-0.000 χ^2/NDF: 1572193.3/84

- sign 0.011+/-0.000 χ^2/NDF: 862229.0/42



Right In: -0.041+/-0.000 χ^2/NDF: 26248764412.5/16

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: -0.006+/-0.000 χ^2/NDF: 29157326679.9/19

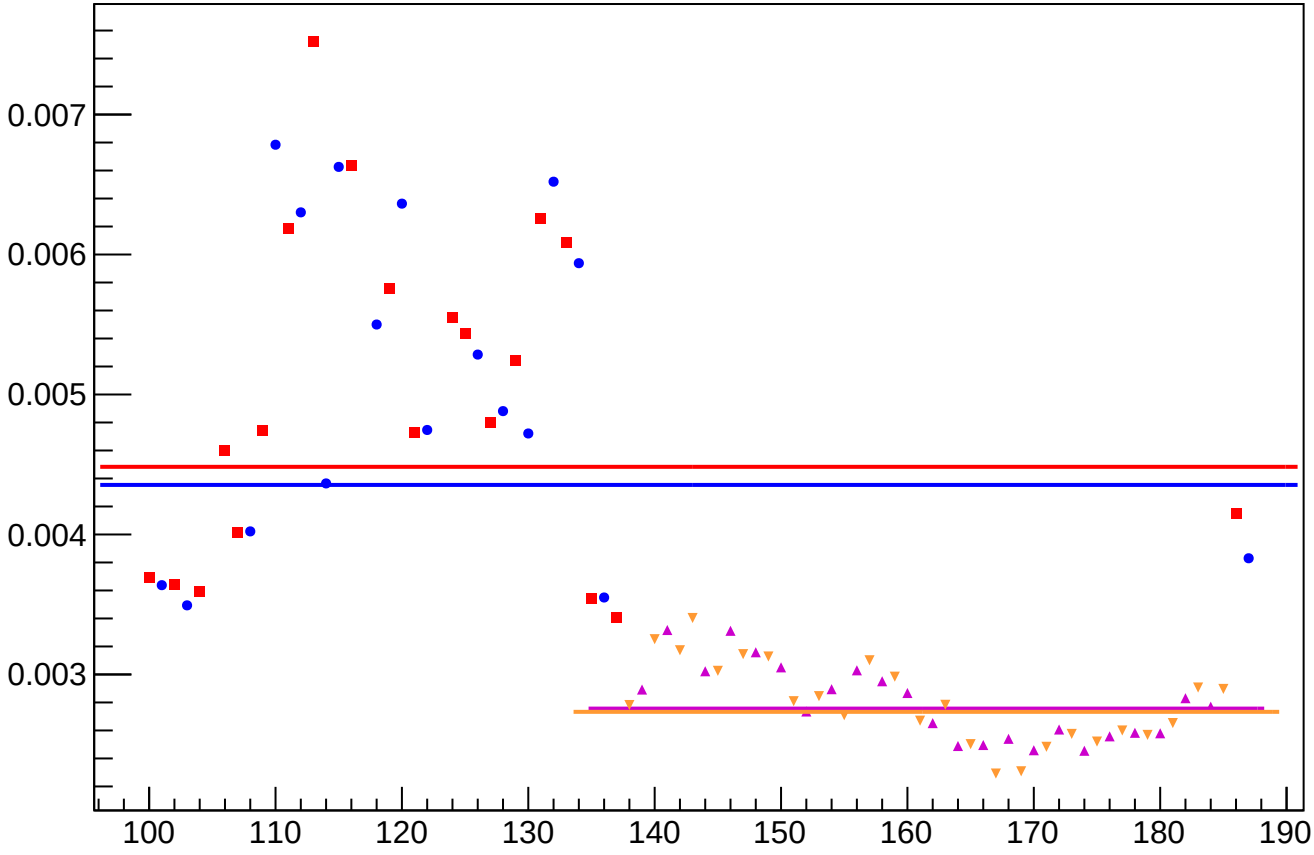
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.112+/-0.000 χ^2/NDF: 31084900887.0/41

All: -0.110+/-0.000 χ^2/NDF: 67108196831.1/

- sign -0.109+/-0.000 χ^2/NDF: 36006266981.8/42

yield_bpm0l08Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 666411.9/16

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 709838.5/19

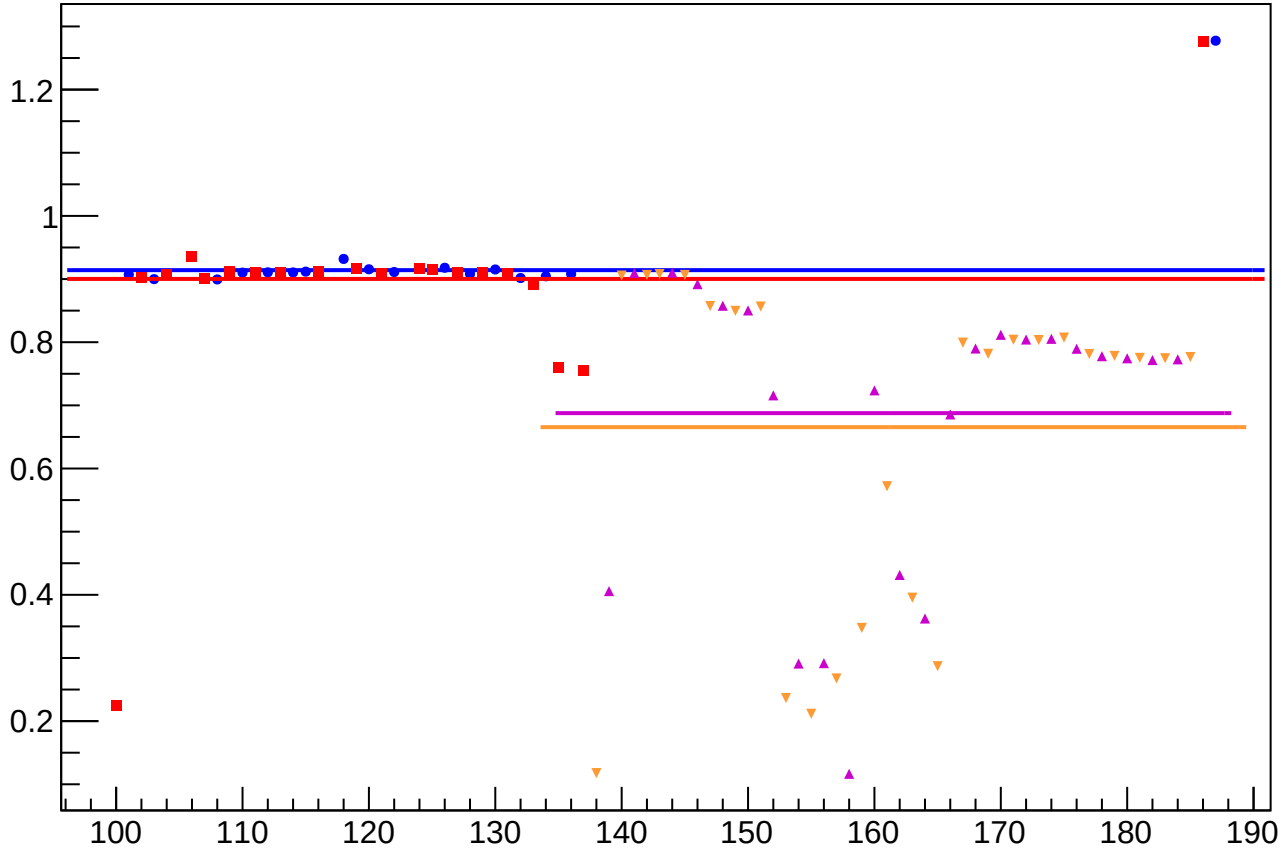
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 2586589.2/41

All: 0.003+/-0.000 χ^2/NDF: 5346810.3/84

- sign 0.003+/-0.000 χ^2/NDF: 2752626.9/42

yield_bpm0l09X_mean vs Slug



Right In: 0.914+/-0.000 χ^2/NDF: 94917651.7/16

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.900+/-0.000 χ^2/NDF: 503045761.2/19

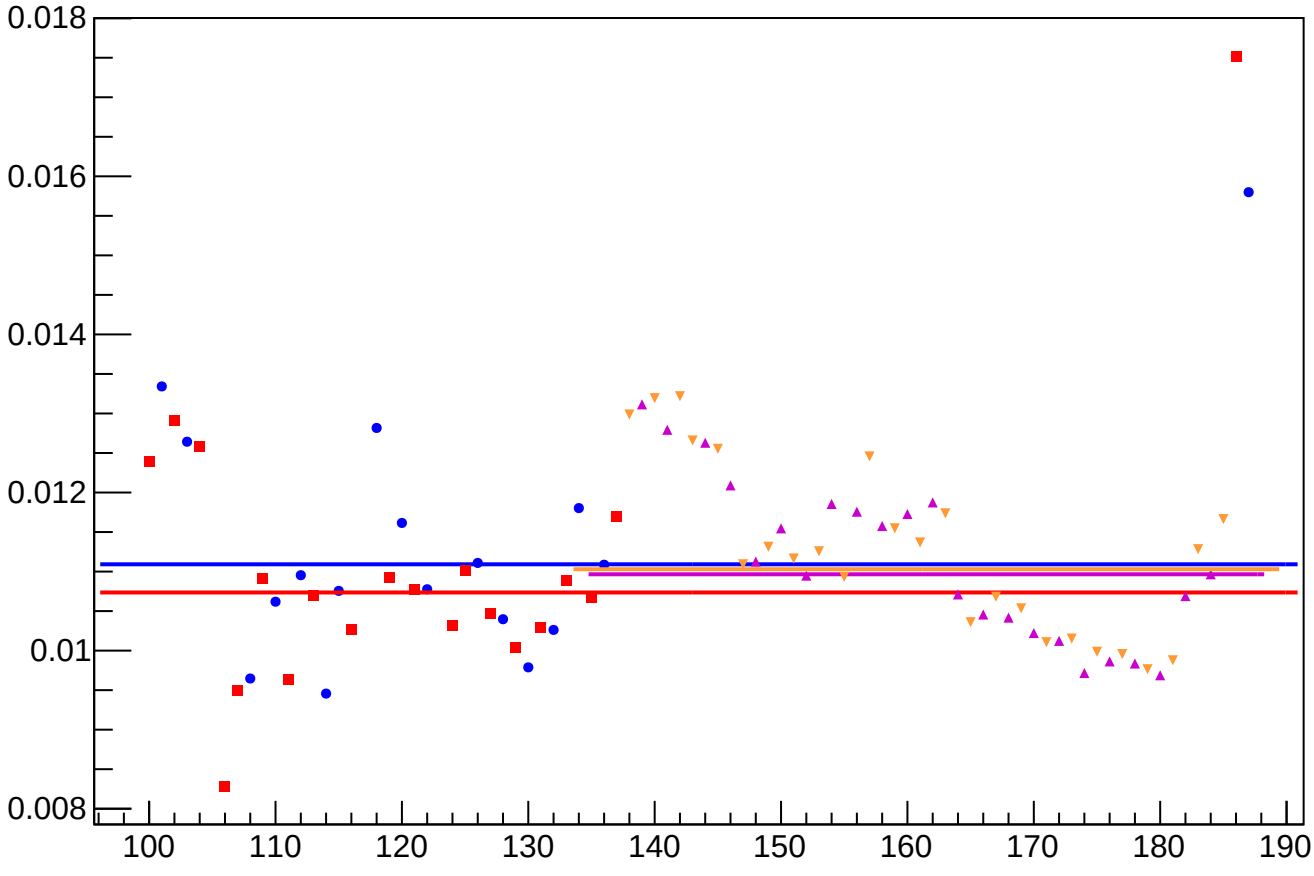
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.734+/-0.000 χ^2/NDF: 11870392245.1/41

All: 0.744+/-0.000 χ^2/NDF: 21446815653.5/8

- sign 0.754+/-0.000 χ^2/NDF: 9534446527.1/42

yield_bpm0l09X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 161166.1/16

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 257444.4/19

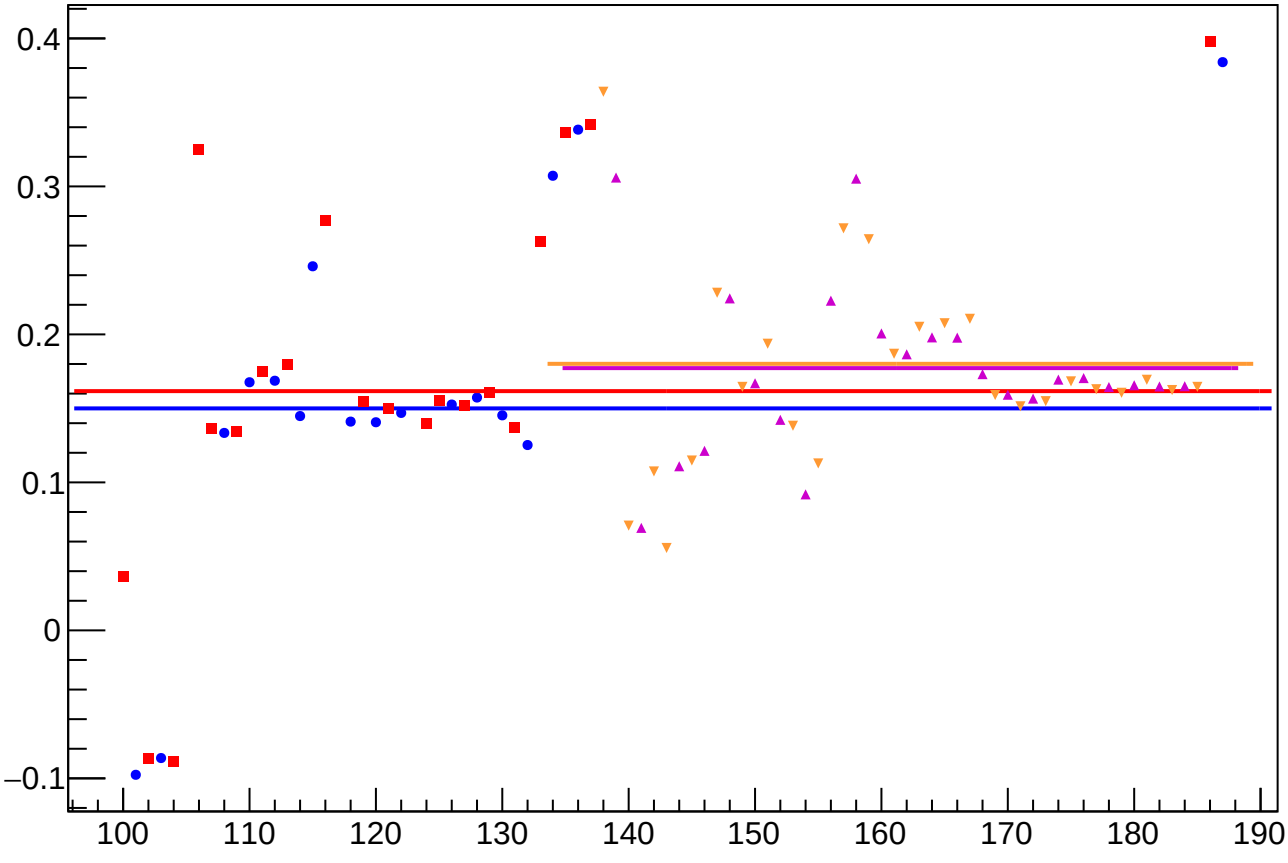
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 460934.7/41

All: 0.011+/-0.000 χ^2/NDF: 1015655.7/84

- sign 0.011+/-0.000 χ^2/NDF: 549863.8/42

yield_bpm0l09Y_mean vs Slug



Right In: 0.150+/-0.000 χ^2/NDF: 8324938288.2/16

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.162+/-0.000 χ^2/NDF: 8114417710.0/19

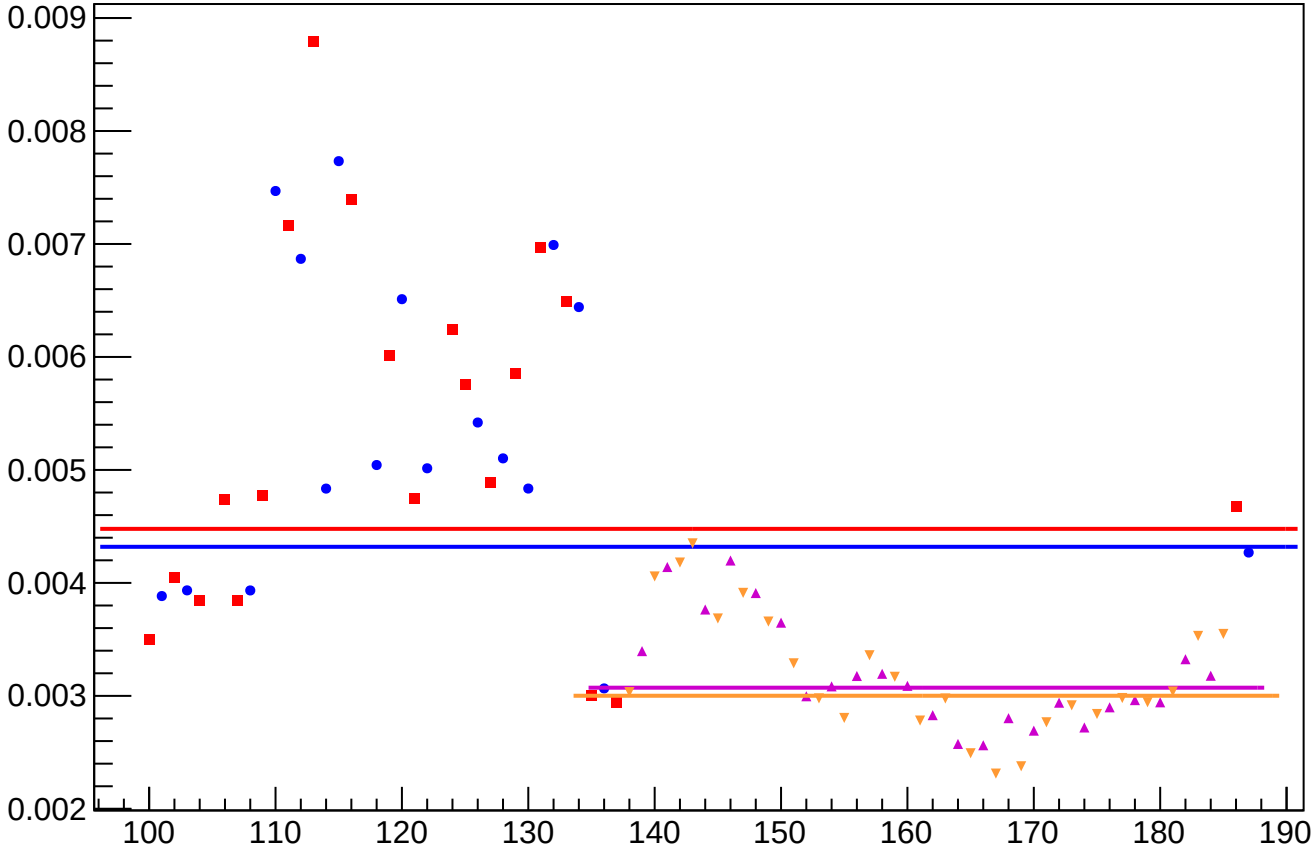
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.176+/-0.000 χ^2/NDF: 15019923272.1/41

All: 0.175+/-0.000 χ^2/NDF: 27820959647.8/8

- sign 0.175+/-0.000 χ^2/NDF: 12799777959.0/42

yield_bpm0l09Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 878386.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

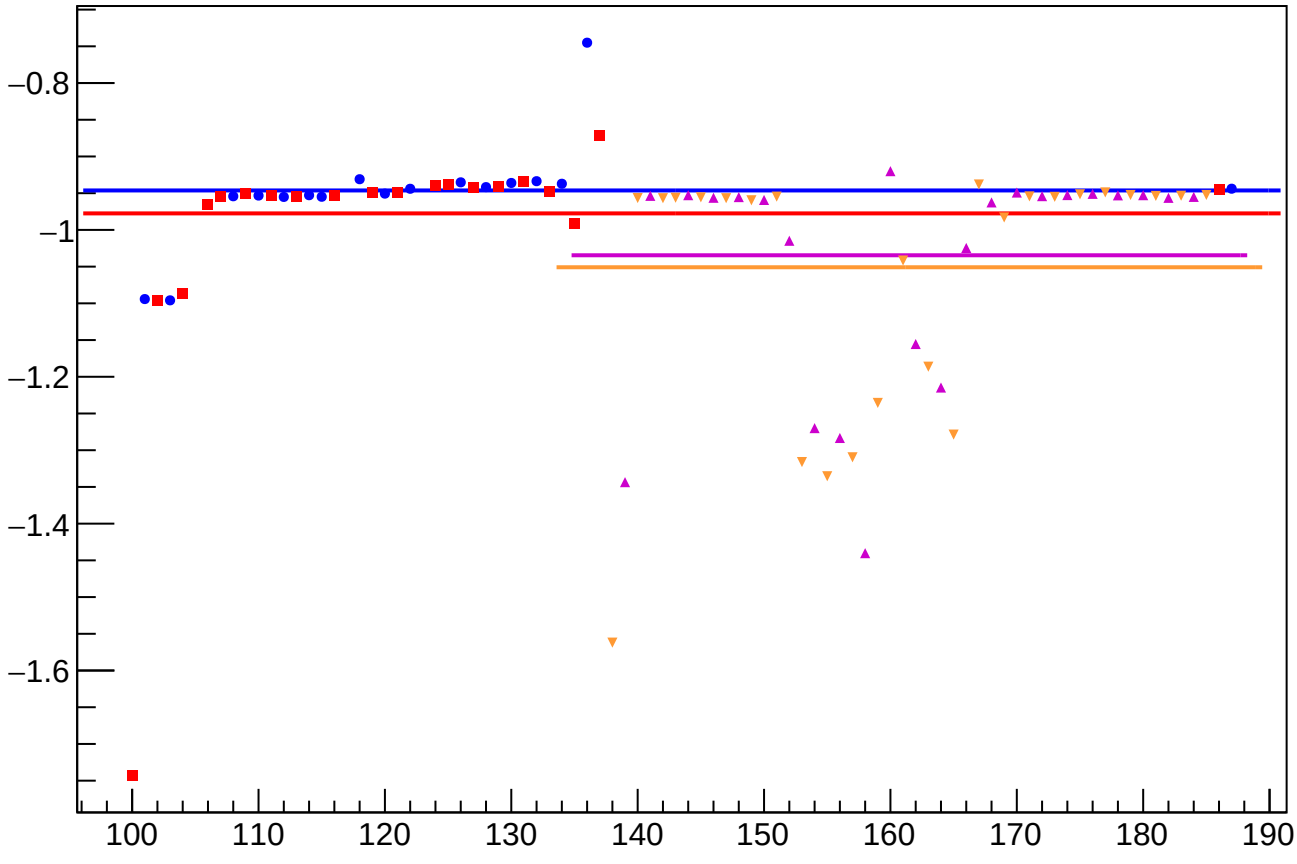
Right Out: 0.004+/-0.000 χ^2/NDF: 1087205.8/19

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 2709798.9/41

All: 0.003+/-0.000 χ^2/NDF: 5461756.5/84

- sign 0.003+/-0.000 χ^2/NDF: 2729951.9/42



Right In: -0.946+/-0.000 χ^2/NDF: 404514565.7/16

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

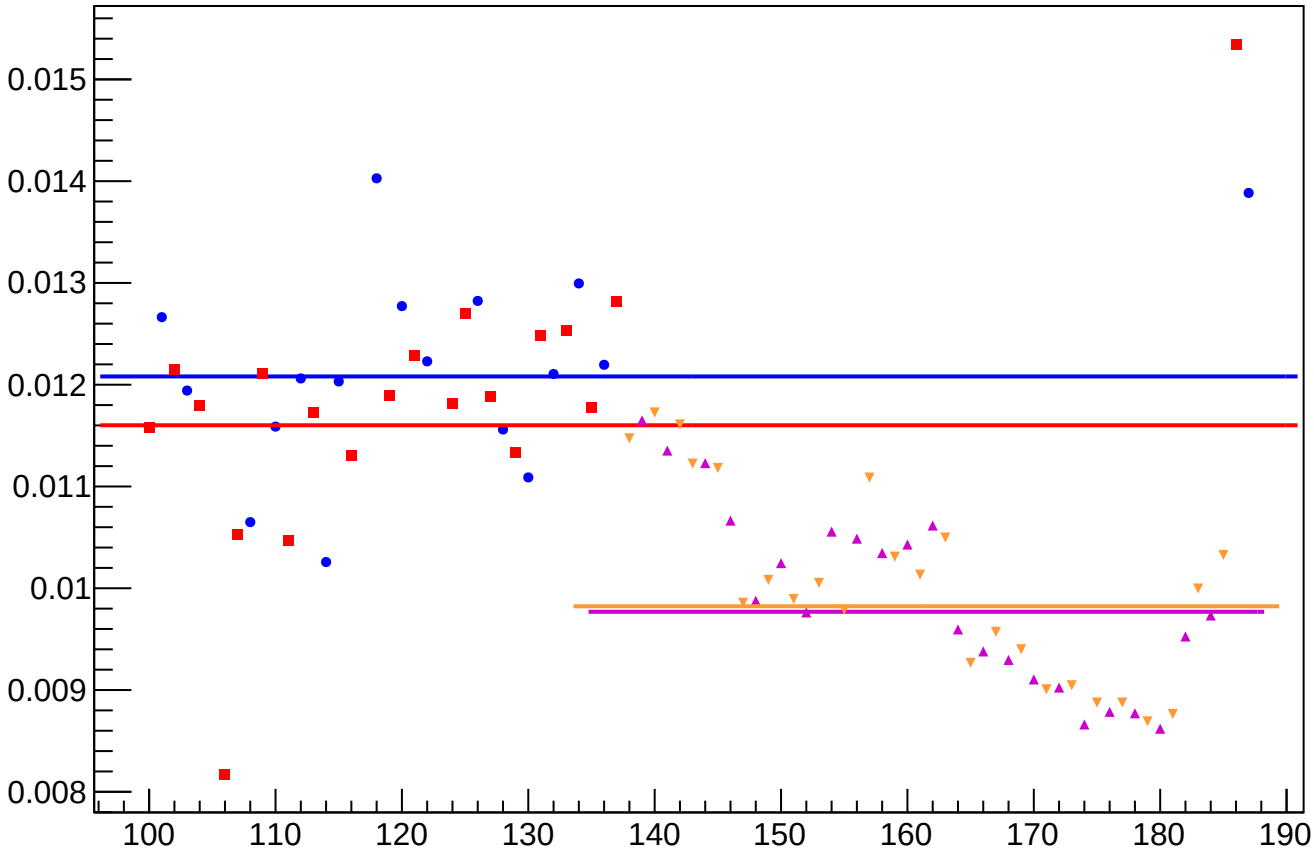
Right Out: -0.978+/-0.000 χ^2/NDF: 462753480.4/19

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.030+/-0.000 χ^2/NDF: 5908230009.2/41

All: -1.026+/-0.000 χ^2/NDF: 10444738879.3/

- sign -1.021+/-0.000 χ^2/NDF: 4527693709.0/42



Right In: 0.012+/-0.000 χ^2/NDF: 68393.8/16

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

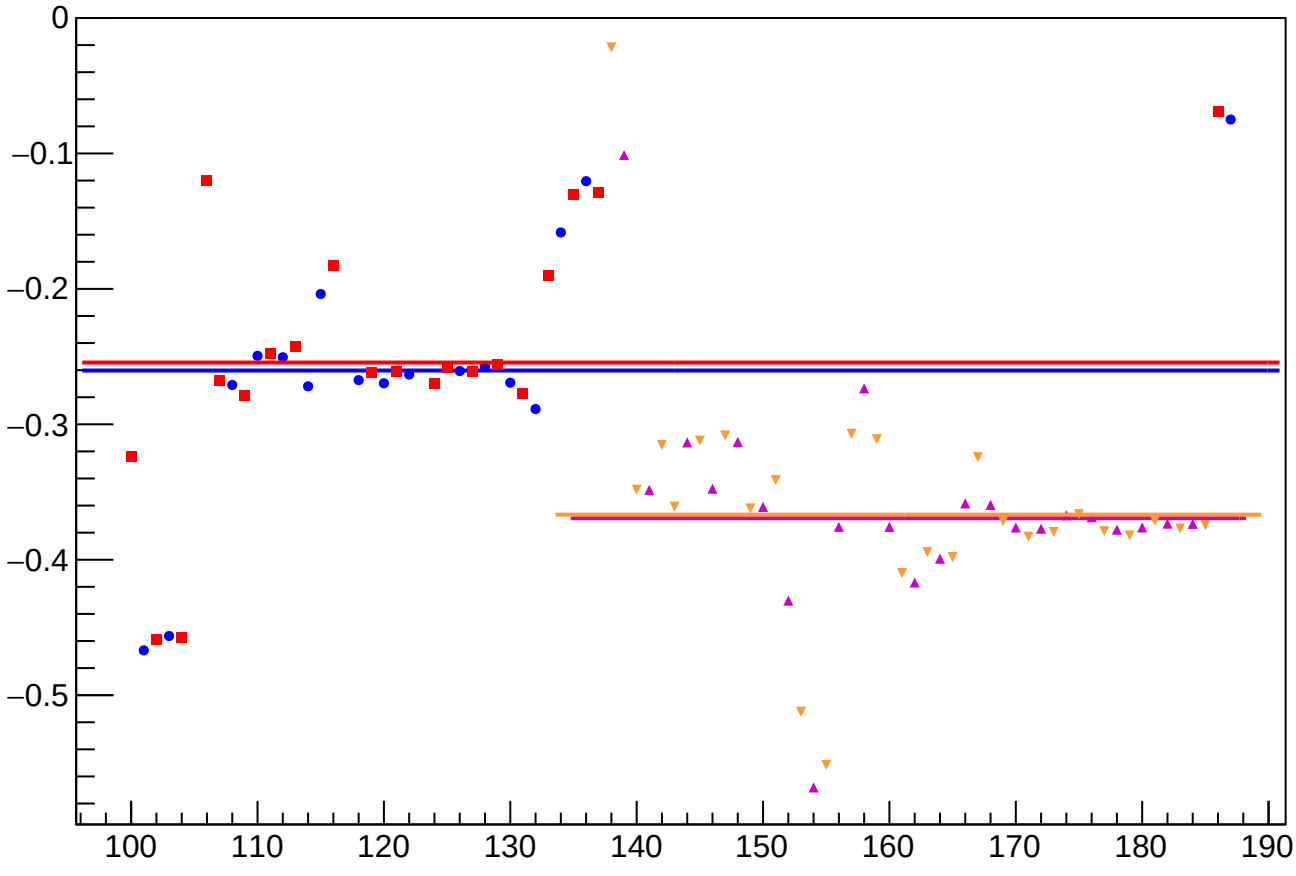
Right Out: 0.012+/-0.000 χ^2/NDF: 196777.6/19

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 755307.3/41

All: 0.010+/-0.000 χ^2/NDF: 1522986.8/84

- sign 0.010+/-0.000 χ^2/NDF: 766094.7/42



Right In: -0.260+/-0.000 χ^2/NDF: 6396826063.9/16

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.254+/-0.000 χ^2/NDF: 5871269608.9/19

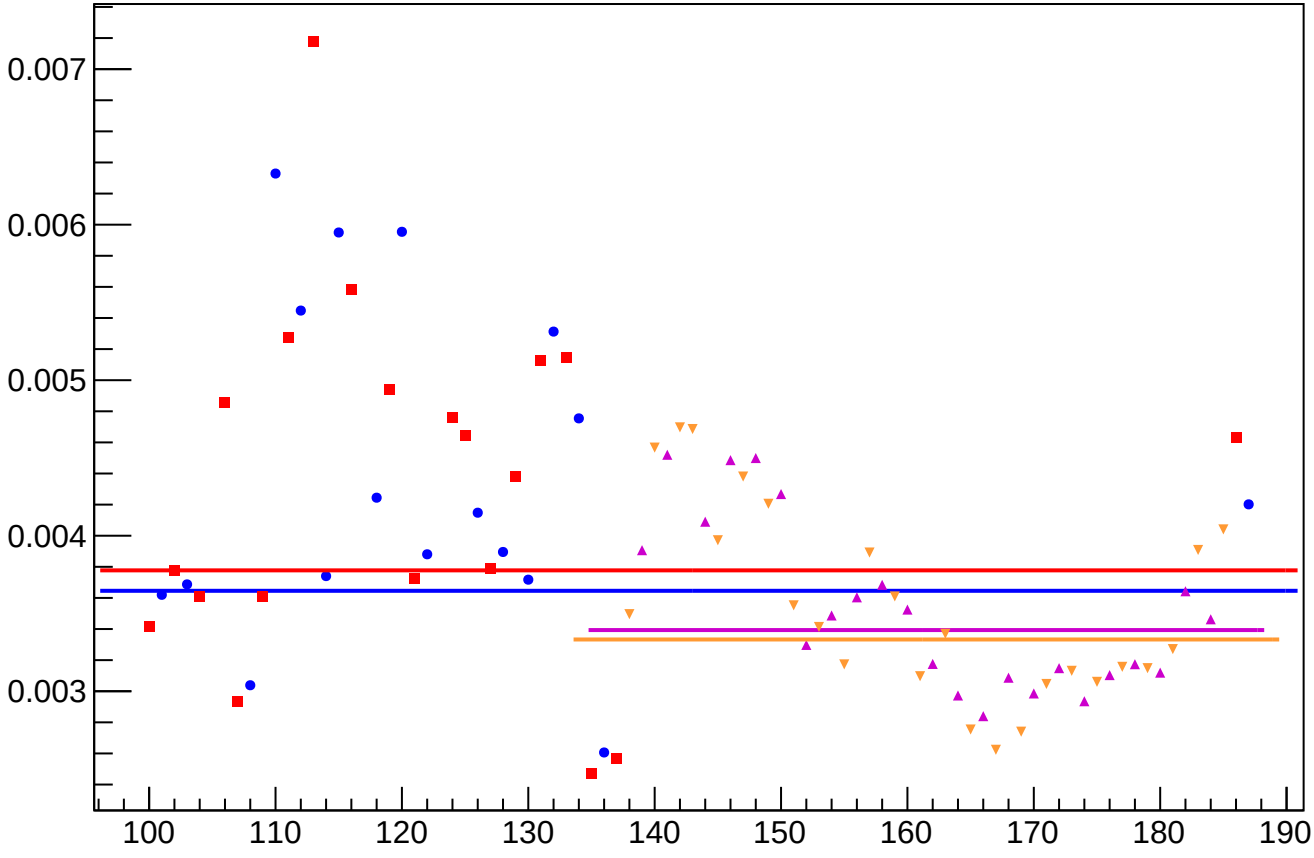
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.343+/-0.000 χ^2/NDF: 22272326523.0/41

All: -0.343+/-0.000 χ^2/NDF: 40235424129.4/

- sign -0.342+/-0.000 χ^2/NDF: 17961644602.5/42

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 733828.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 920810.2/19

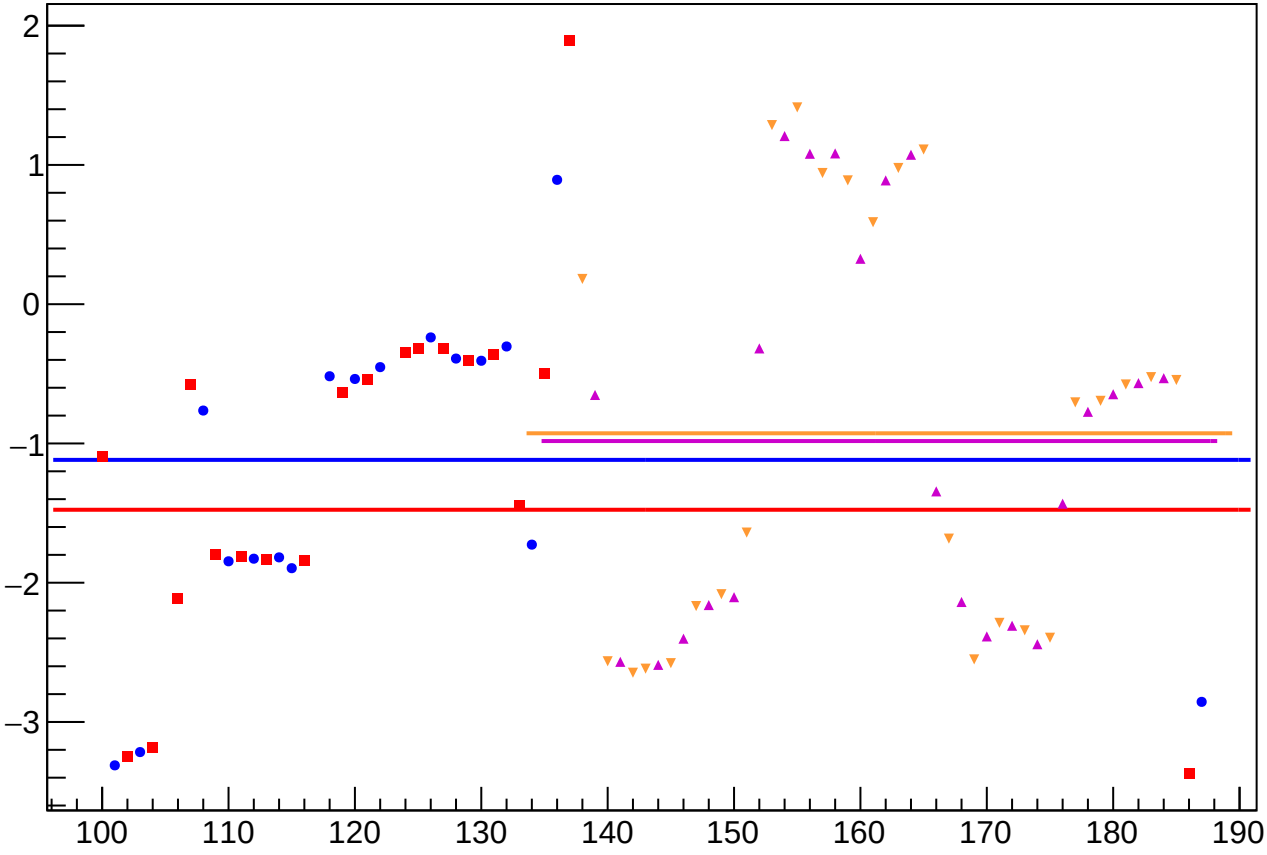
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1659558.1/41

All: 0.003+/-0.000 χ^2/NDF: 3327948.9/84

- sign 0.003+/-0.000 χ^2/NDF: 1655021.3/42

yield_bpm0r03X_mean vs Slug



Right In: -1.118+/-0.000 χ^2/NDF: 2519904853.0/16

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

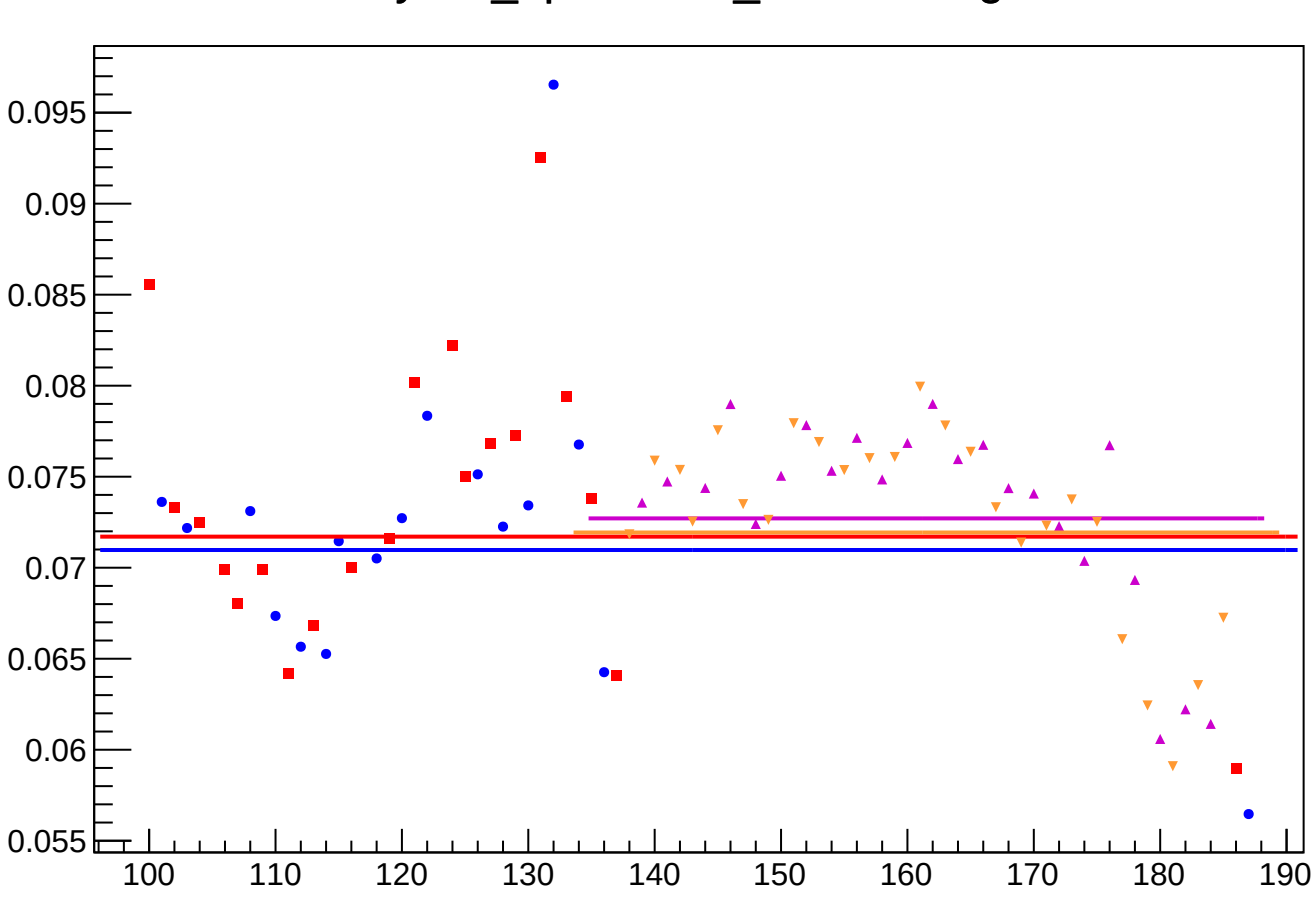
Right Out: -1.476+/-0.000 χ^2/NDF: 2293283919.2/19

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -0.980+/-0.000 χ^2/NDF: 9805999893.8/41

All: -1.055+/-0.000 χ^2/NDF: 18327736861.1/

- sign -1.133+/-0.000 χ^2/NDF: 8463651095.2/42



Right In: 0.071+/-0.000 χ^2/NDF: 125338.3/16

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

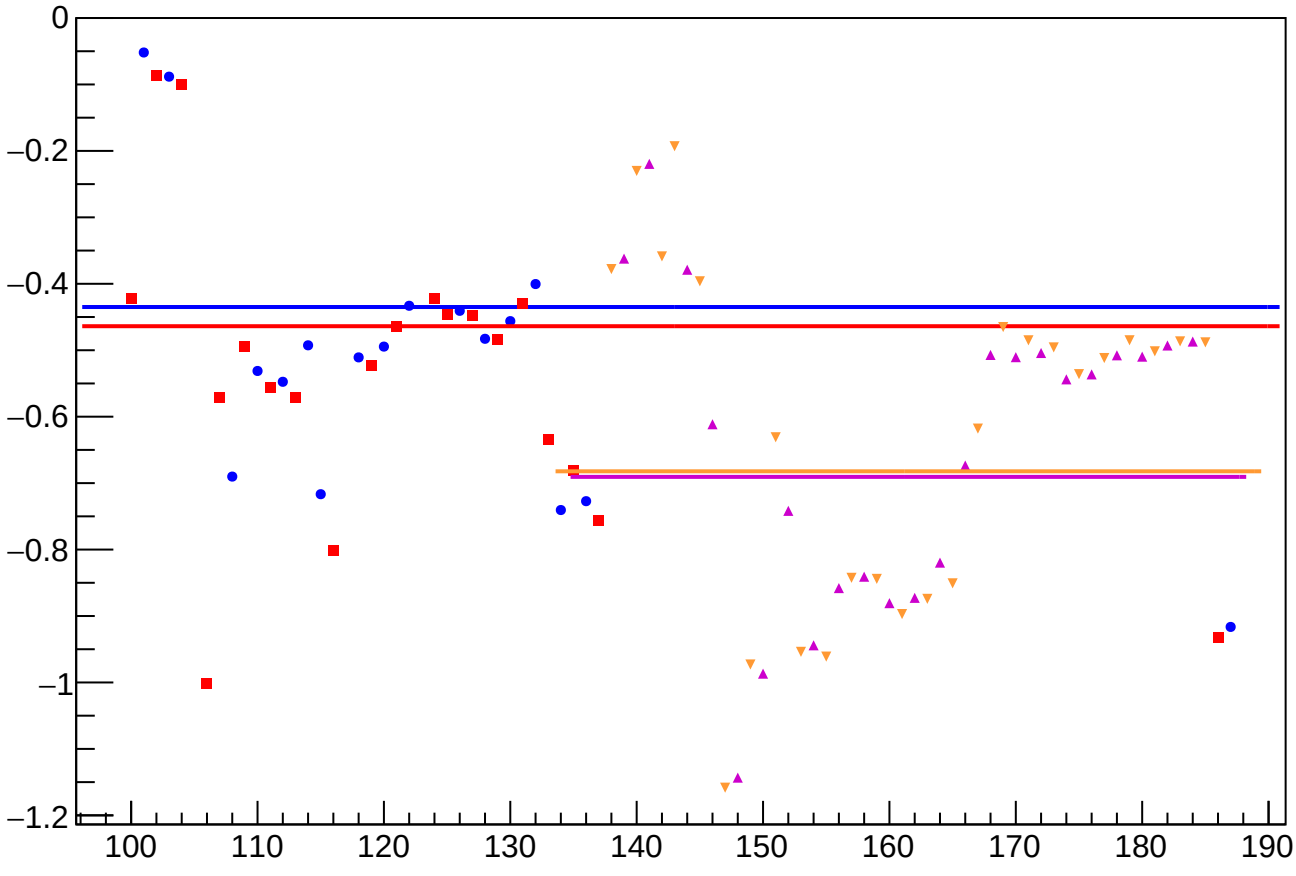
Right Out: 0.072+/-0.000 χ^2/NDF: 137104.0/19

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 362769.1/41

All: 0.072+/-0.000 χ^2/NDF: 701670.7/84

- sign 0.072+/-0.000 χ^2/NDF: 336187.9/42



Right In: -0.435+/-0.000 χ^2/NDF: 3434483288.9/16

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.464+/-0.000 χ^2/NDF: 3941879031.1/19

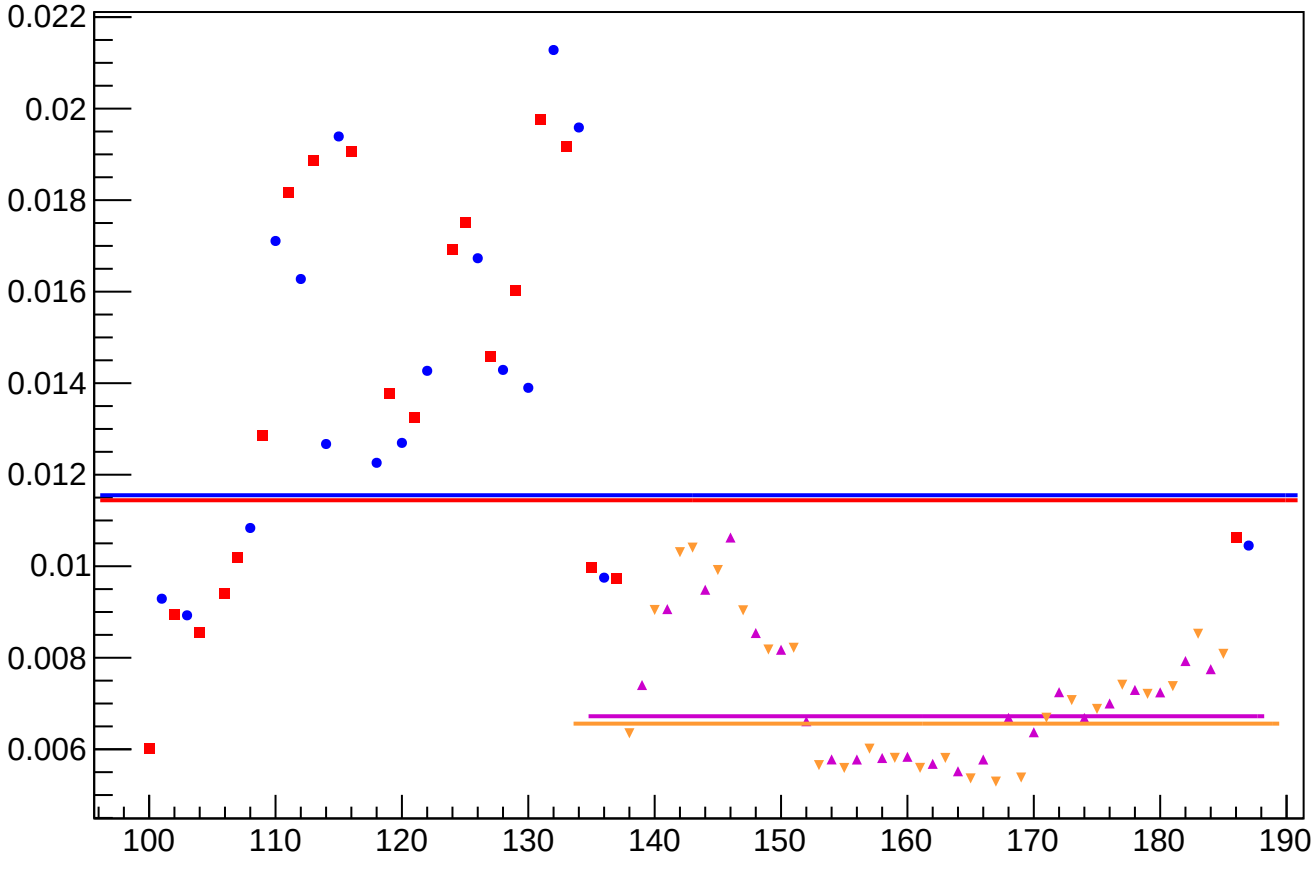
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.657+/-0.000 χ^2/NDF: 27780374402.0/41

All: -0.661+/-0.000 χ^2/NDF: 50809585579.6/

- sign -0.664+/-0.000 χ^2/NDF: 23018544522.6/42

yield_bpm0r03Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 790041.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.011+/-0.000 χ^2/NDF: 1169180.0/19

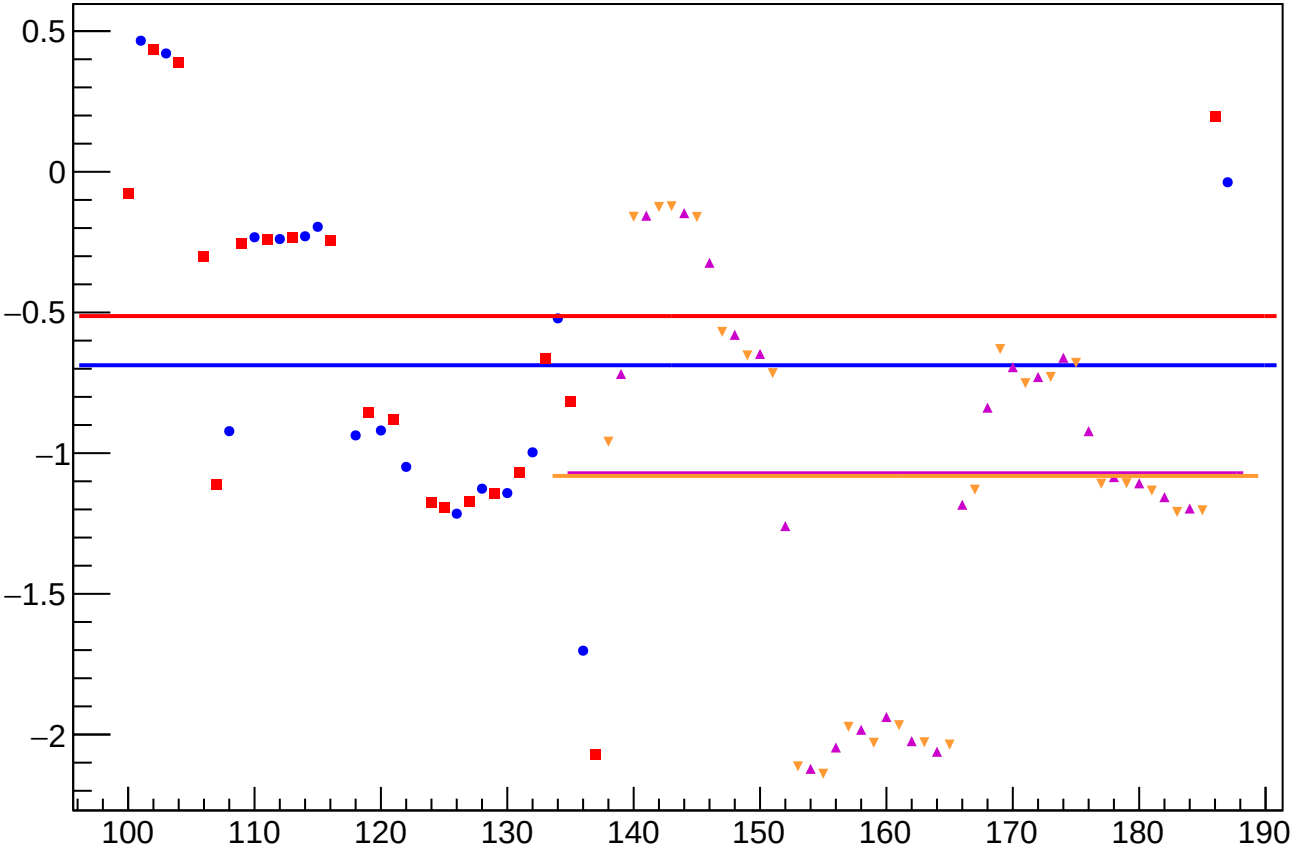
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4249667.0/41

All: 0.007+/-0.000 χ^2/NDF: 8311754.5/84

- sign 0.007+/-0.000 χ^2/NDF: 4043628.1/42

yield_bpm0r05X_mean vs Slug



Right In: -0.688+/-0.000 χ^2/NDF: 456555306.4/16

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.513+/-0.000 χ^2/NDF: 394214175.6/19

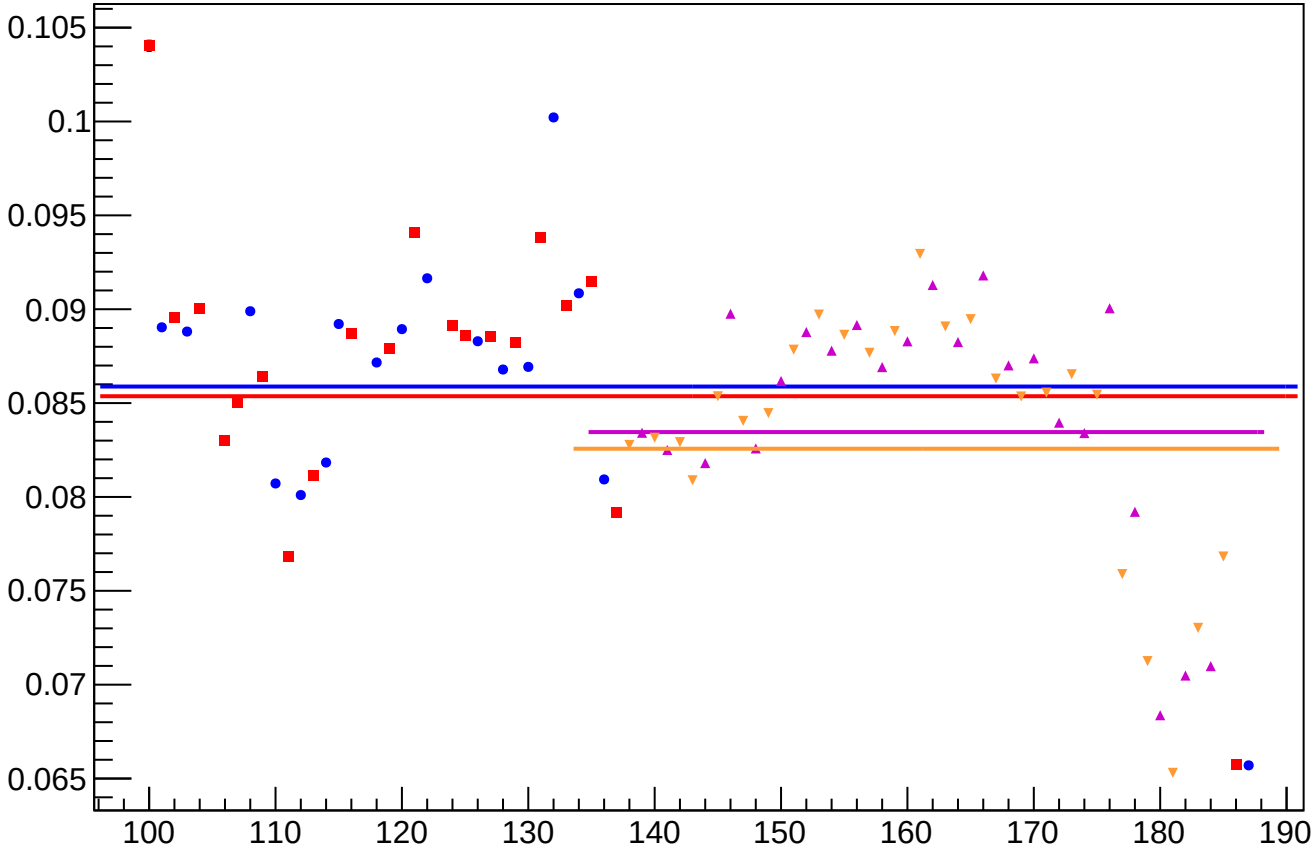
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.978+/-0.000 χ^2/NDF: 1722488264.5/41

All: -0.944+/-0.000 χ^2/NDF: 3338267124.9/8

- sign -0.908+/-0.000 χ^2/NDF: 1606760978.3/42

yield_bpm0r05X_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 80417.1/16

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.085+/-0.000 χ^2/NDF: 126030.4/19

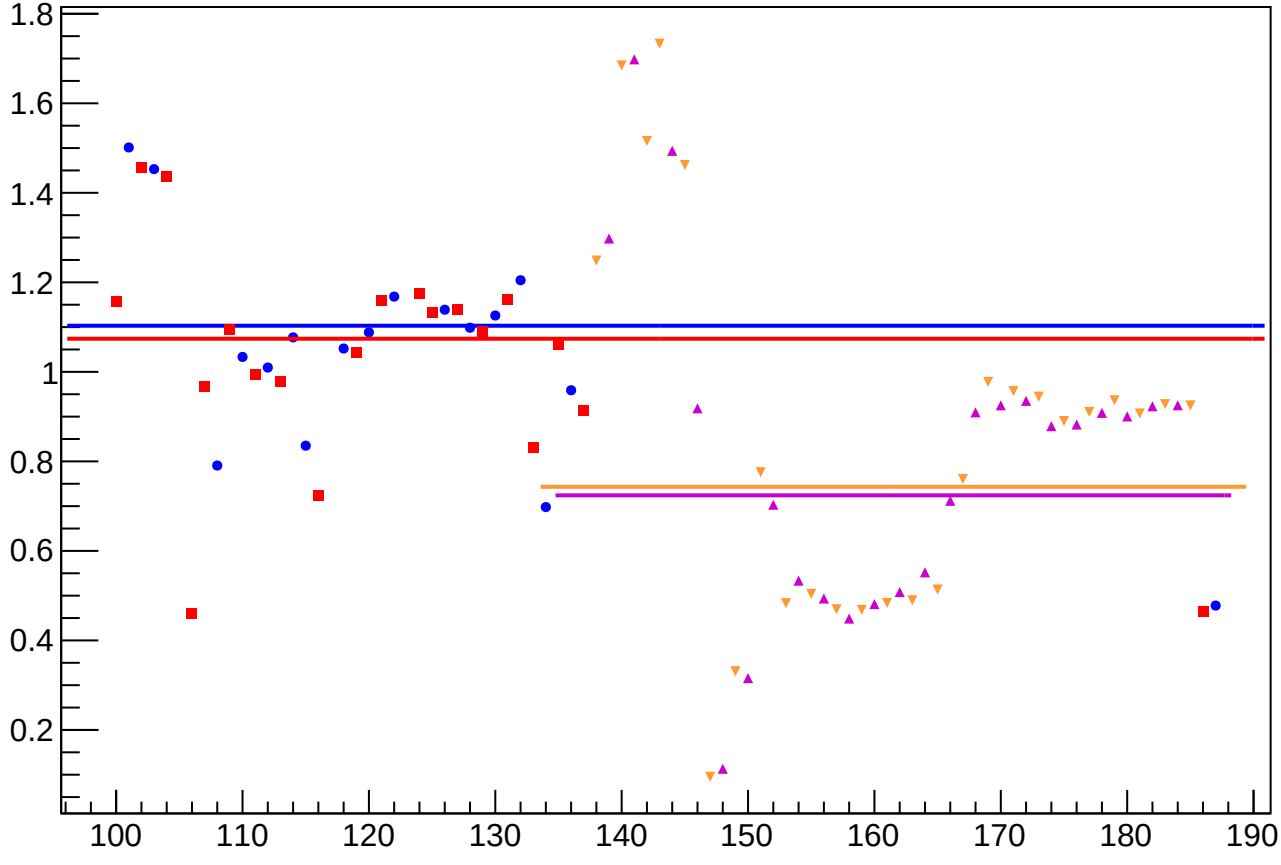
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.083+/-0.000 χ^2/NDF: 387674.4/41

All: 0.084+/-0.000 χ^2/NDF: 758896.8/84

- sign 0.084+/-0.000 χ^2/NDF: 369978.2/42

yield_bpm0r05Y_mean vs Slug



Right In: 1.103+/-0.000 χ^2/NDF: 1807714005.2/16

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.074+/-0.000 χ^2/NDF: 2335941458.5/19

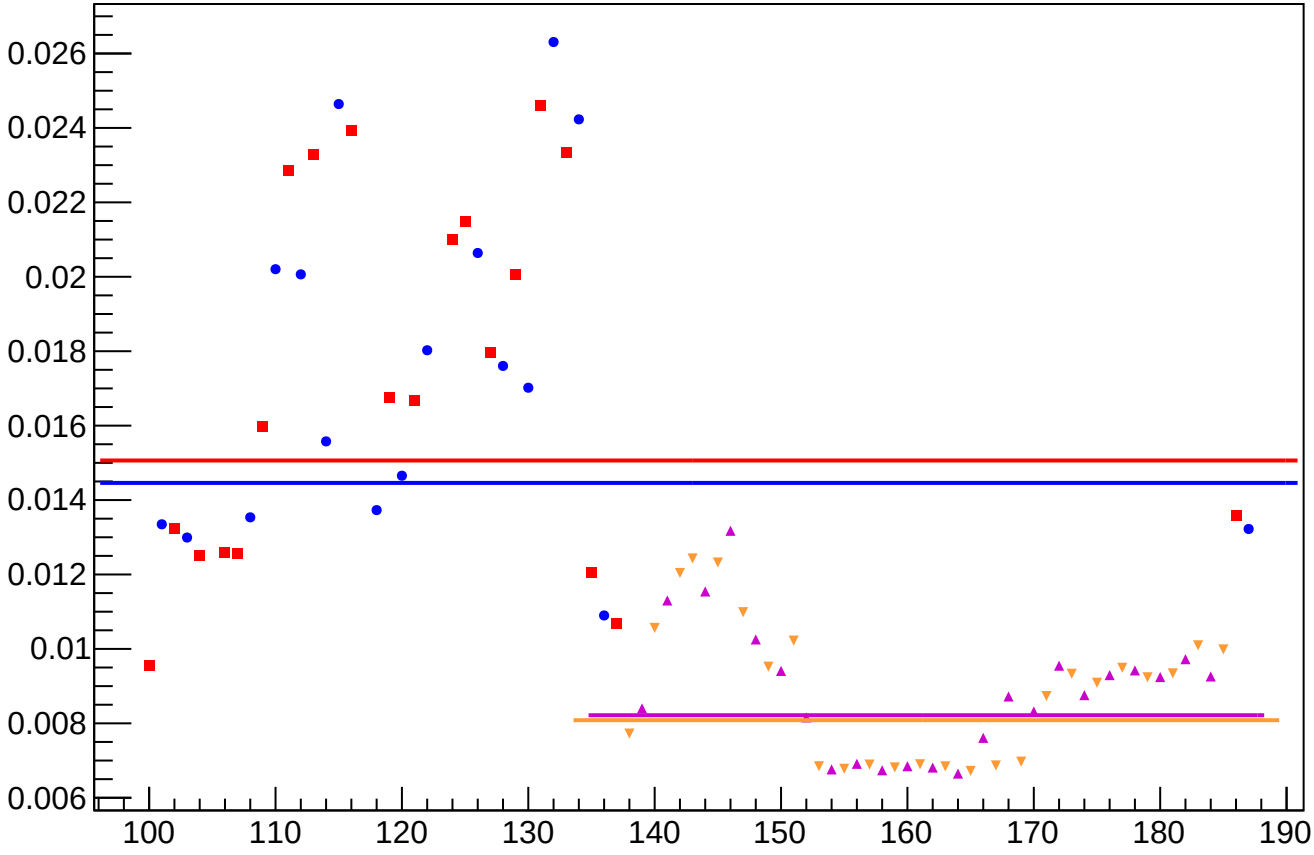
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.778+/-0.000 χ^2/NDF: 37811327207.2/41

All: 0.770+/-0.000 χ^2/NDF: 68985470094.2/8

- sign 0.760+/-0.000 χ^2/NDF: 31127829456.6/42

yield_bpm0r05Y_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 713115.5/16

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 873555.4/19

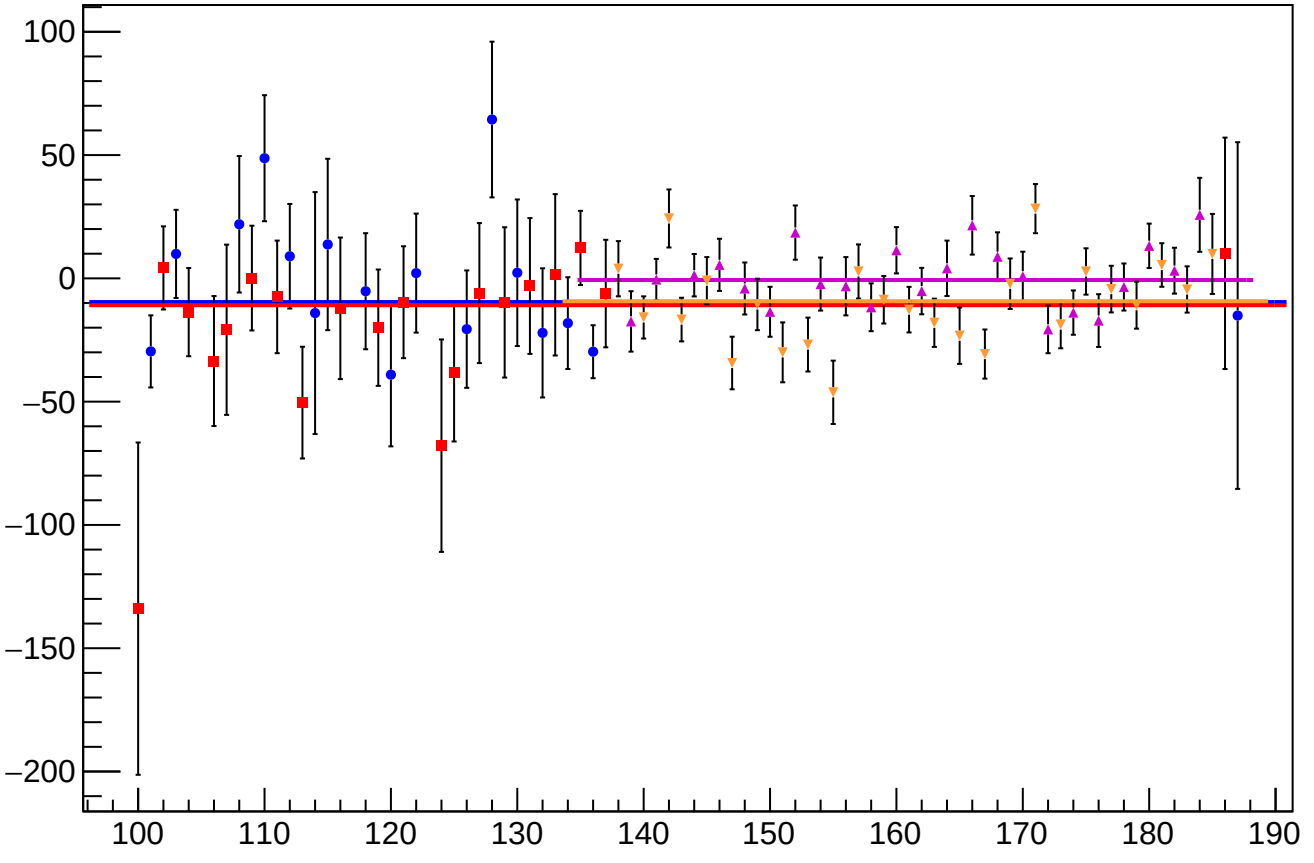
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4268708.9/41

All: 0.009+/-0.000 χ^2/NDF: 8685890.0/84

- sign 0.009+/-0.000 χ^2/NDF: 4403074.3/42

diff_bpm4aX_mean vs Slug



Right In: -9.612+/-5.276 χ^2/NDF: 21.9/16

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -10.889+/-5.460 χ^2/NDF: 14.1/19

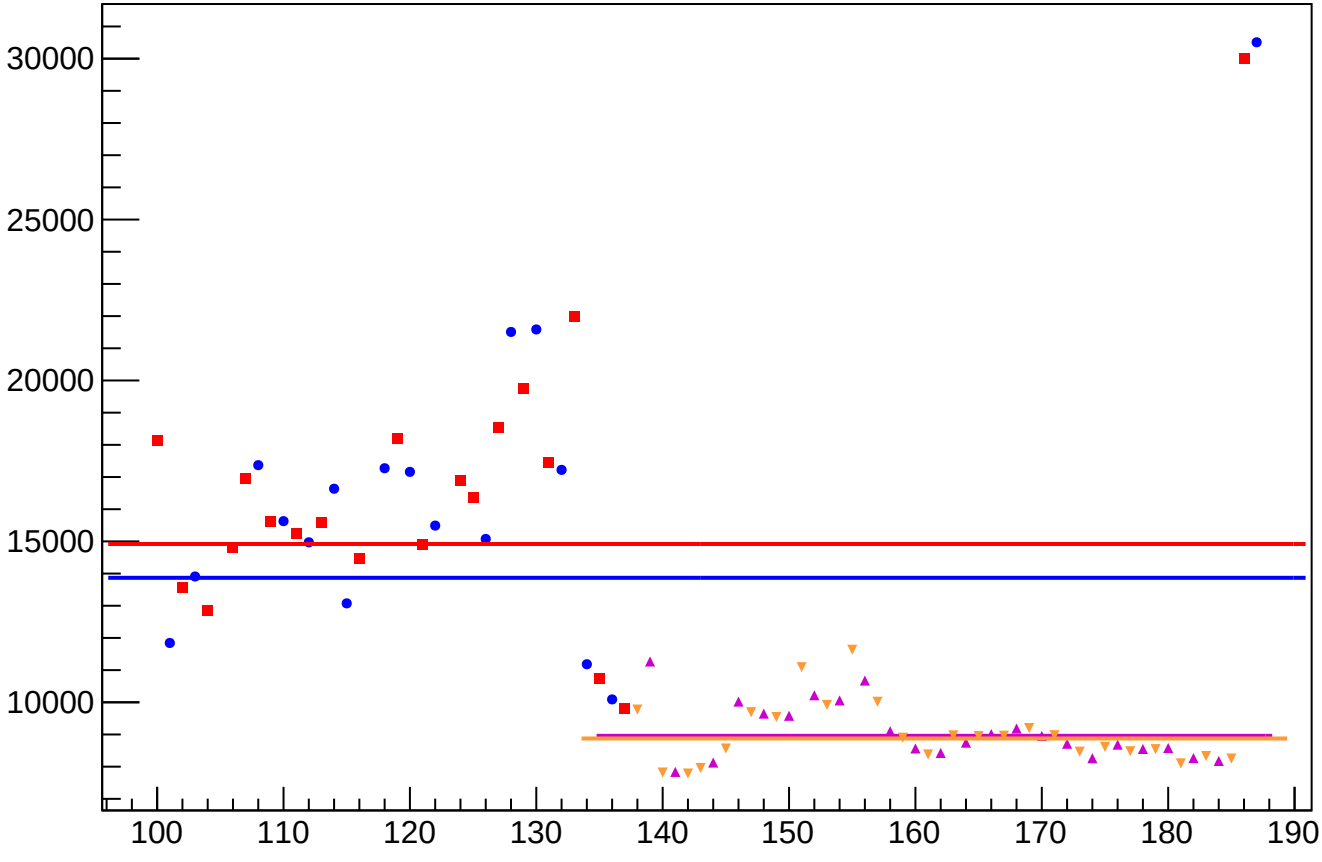
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.333+/-1.895 χ^2/NDF: 83.1/41

All: -5.795+/-1.364 χ^2/NDF: 136.8/84

- sign -1.997+/-1.963 χ^2/NDF: 46.5/42

diff_bpm4aX_rms vs Slug



Right In: 13868.139+/-3.731 χ^2/NDF: 860288.6/16

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

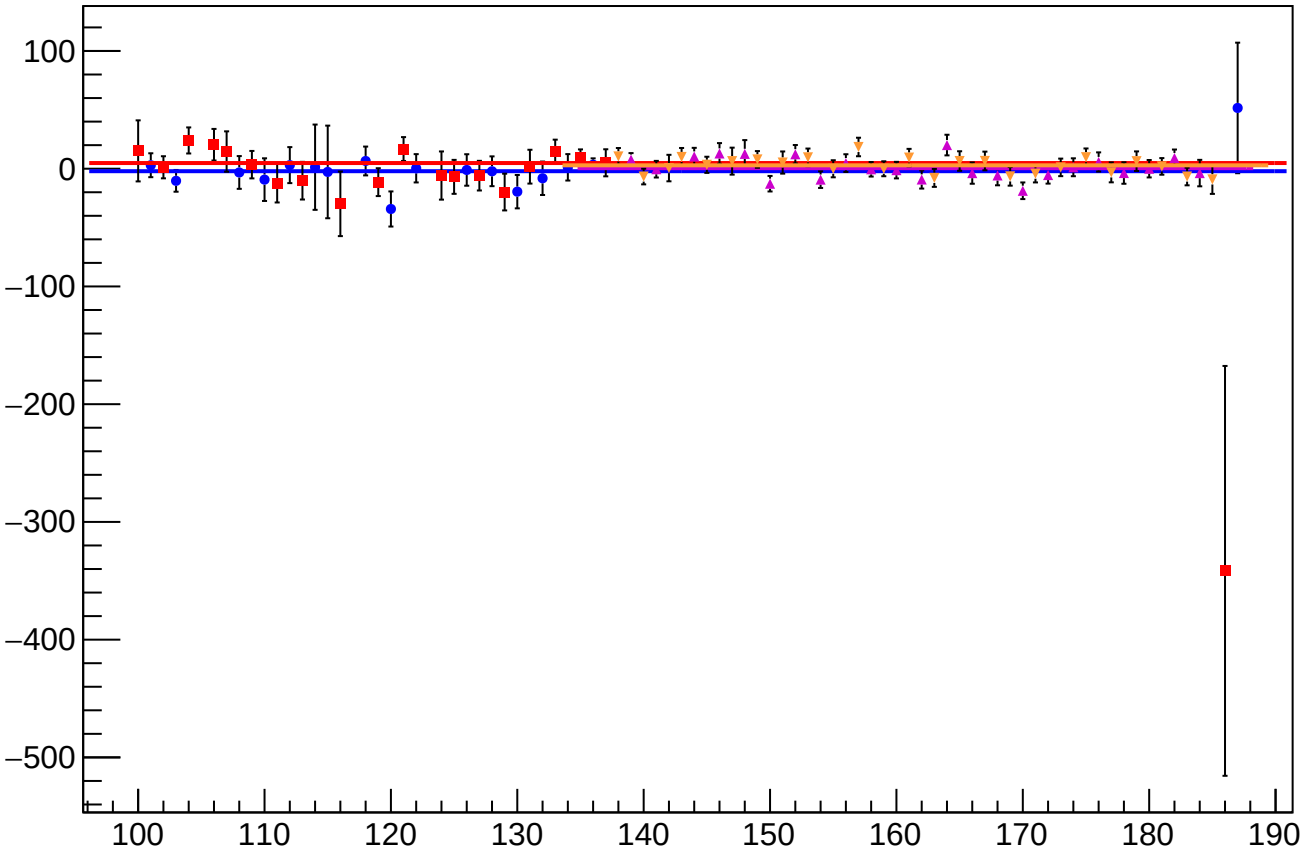
Right Out: 14919.301+/-3.861 χ^2/NDF: 767025.2/19

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 9519.788+/-1.340 χ^2/NDF: 2767176.1/41

All: 9620.928+/-0.964 χ^2/NDF: 5923199.7/84

- sign 9729.496+/-1.388 χ^2/NDF: 3144211.7/42



Right In: -2.118+/-2.918 χ^2/NDF: 10.2/16

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

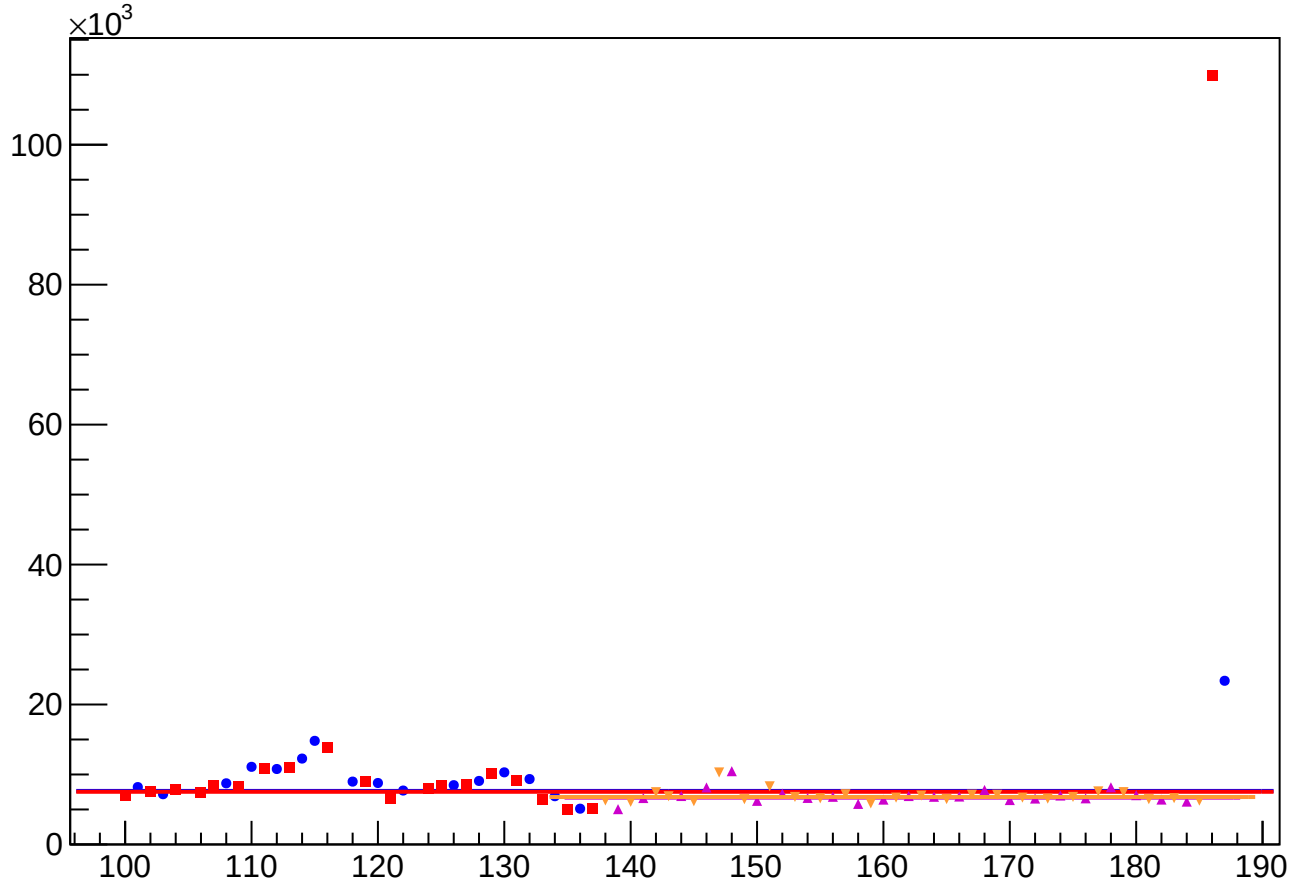
Right Out: 4.812+/-2.836 χ^2/NDF: 21.5/19

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 1.775+/-1.371 χ^2/NDF: 32.0/41

All: 1.633+/-0.973 χ^2/NDF: 88.2/84

- sign 1.489+/-1.381 χ^2/NDF: 56.1/42



Right In: 7649.432+/-2.063 χ^2/NDF: 1053197.9/16

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

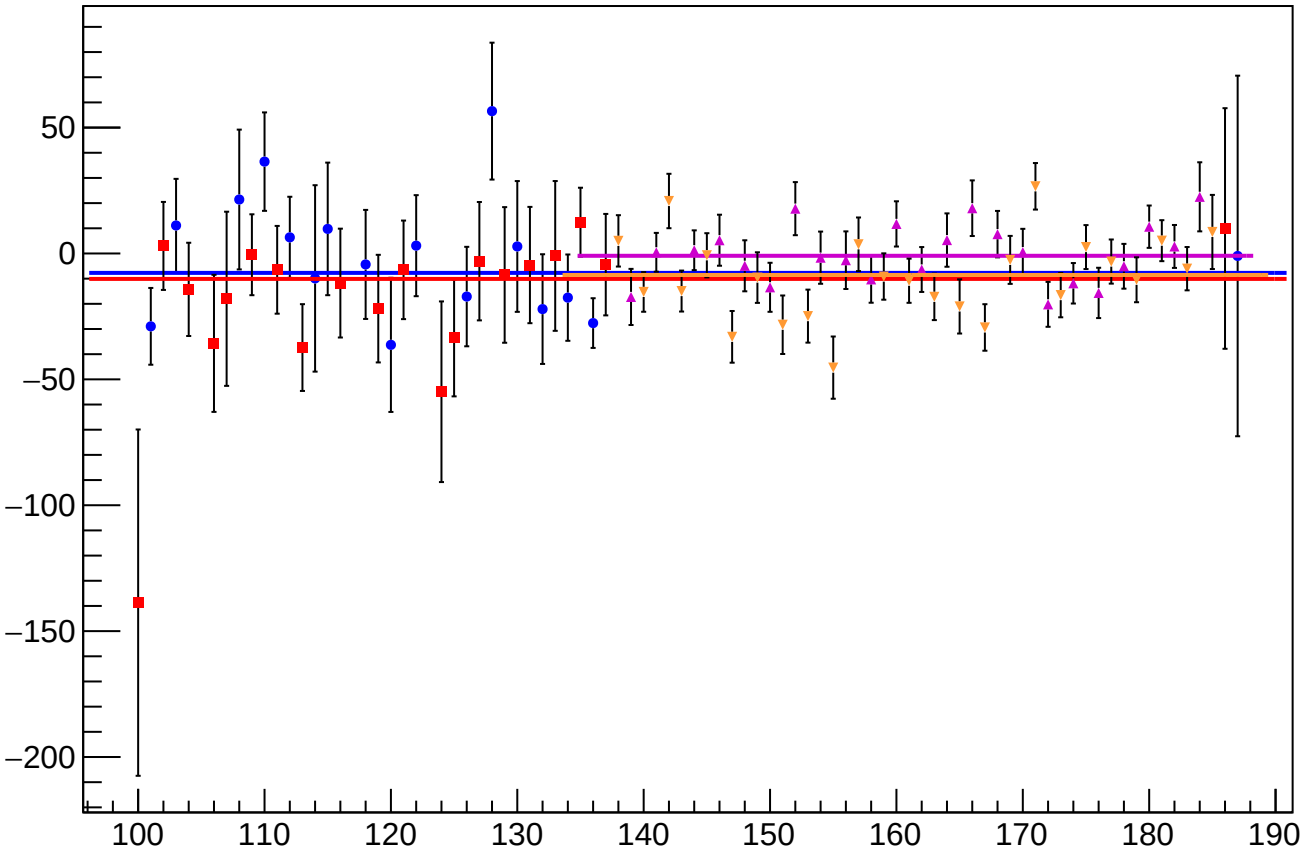
Right Out: 7528.694+/-2.005 χ^2/NDF: 1515327.6/19

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6969.514+/-0.970 χ^2/NDF: 1592738.0/41

All: 6929.362+/-0.688 χ^2/NDF: 3865395.6/84

- sign 6888.639+/-0.977 χ^2/NDF: 2269204.6/42



Right In: -7.711+/-4.738 χ^2/NDF: 22.7/16

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: -10.102+/-4.815 χ^2/NDF: 14.1/19

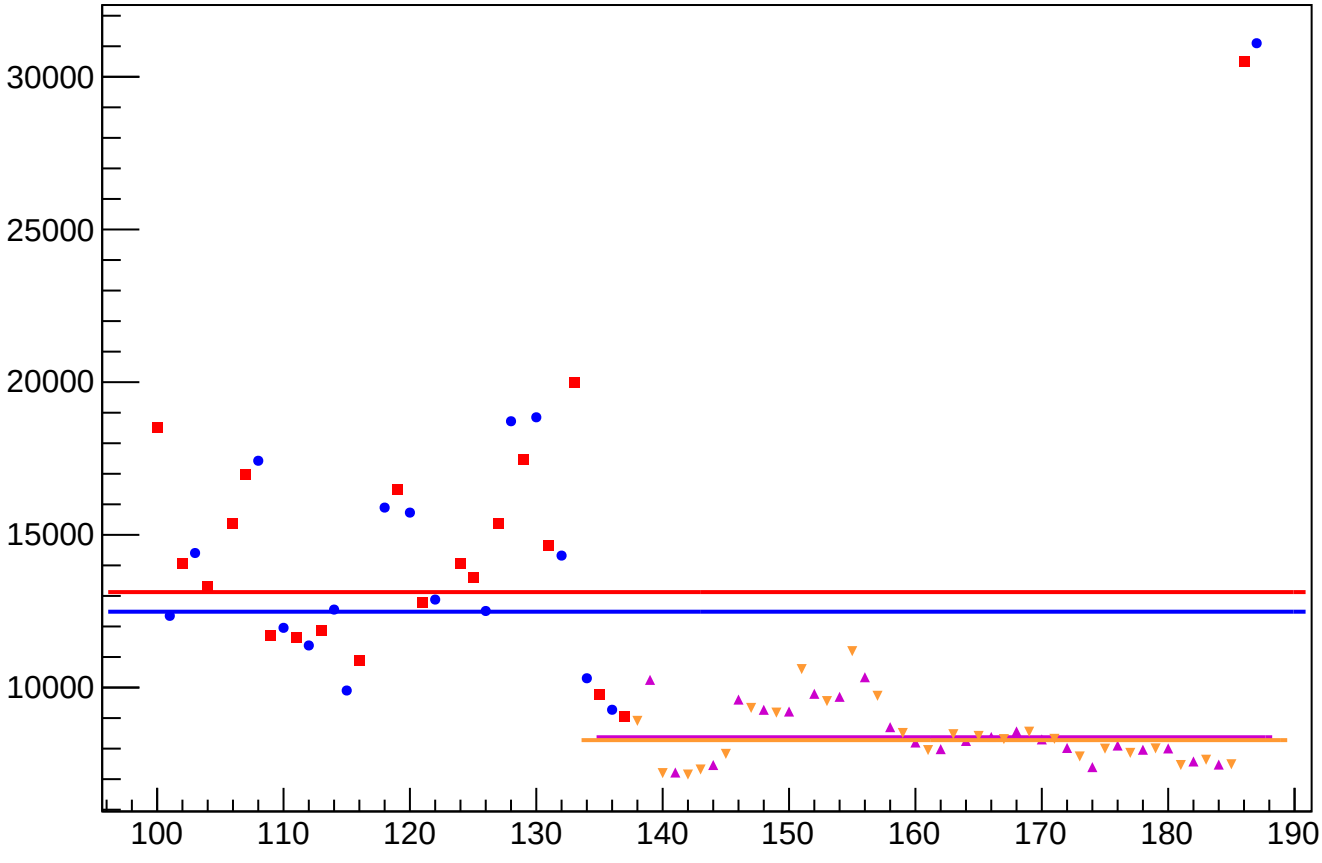
Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

\+ sign -8.422+/-1.761 χ^2/NDF: 84.6/41

All: -5.435+/-1.266 χ^2/NDF: 136.9/84

\- sign -2.235+/-1.822 χ^2/NDF: 46.3/42

diff_bpm4eX_rms vs Slug



Right In: 12483.609+/-3.350 χ^2/NDF: 814061.1/16

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 13125.634+/-3.405 χ^2/NDF: 822767.6/19

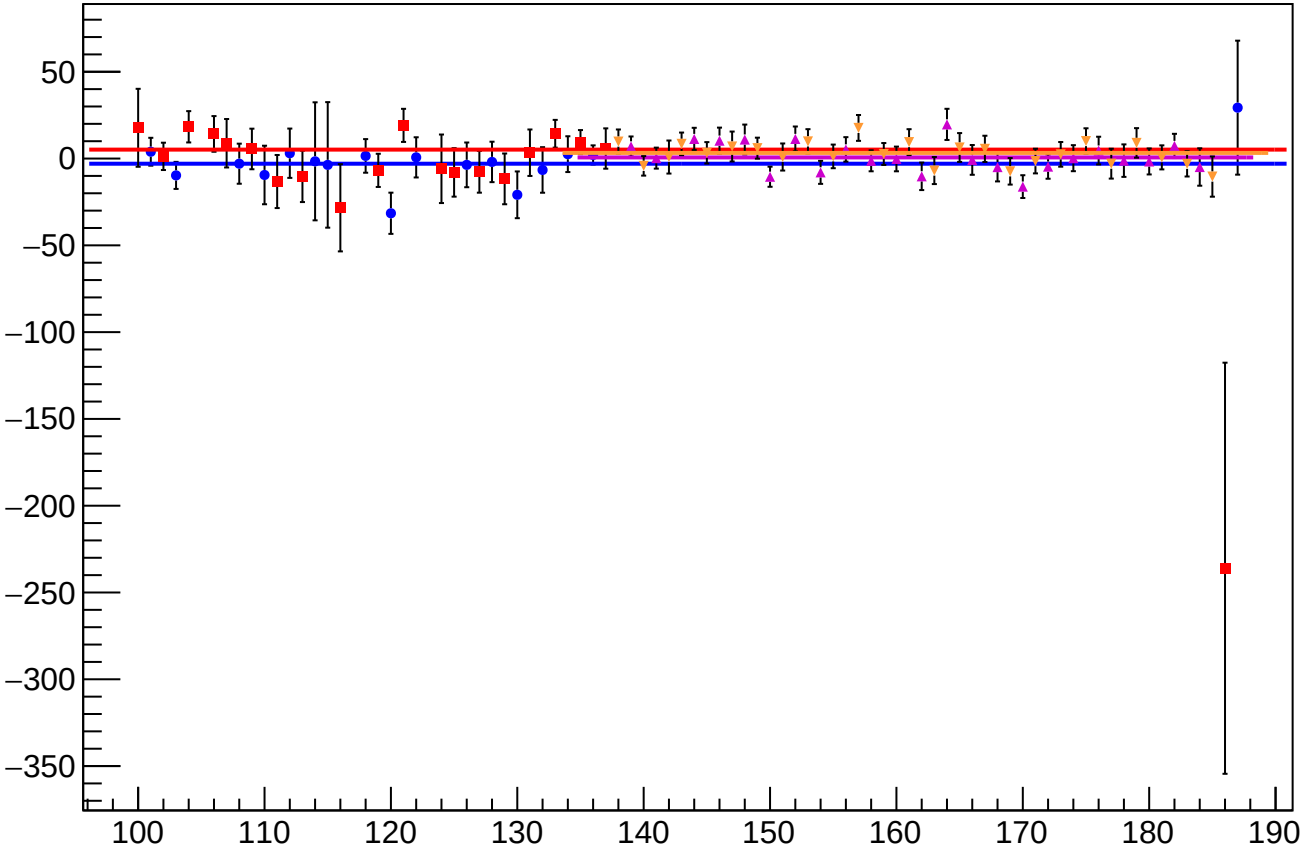
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 8858.704+/-1.245 χ^2/NDF: 2627587.6/41

All: 8952.643+/-0.895 χ^2/NDF: 5524808.3/84

- sign 9053.273+/-1.289 χ^2/NDF: 2885430.3/42

diff_bpm4eY_mean vs Slug



Right In: -2.970+/-2.649 χ^2/NDF: 11.6/16

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 5.153+/-2.552 χ^2/NDF: 21.1/19

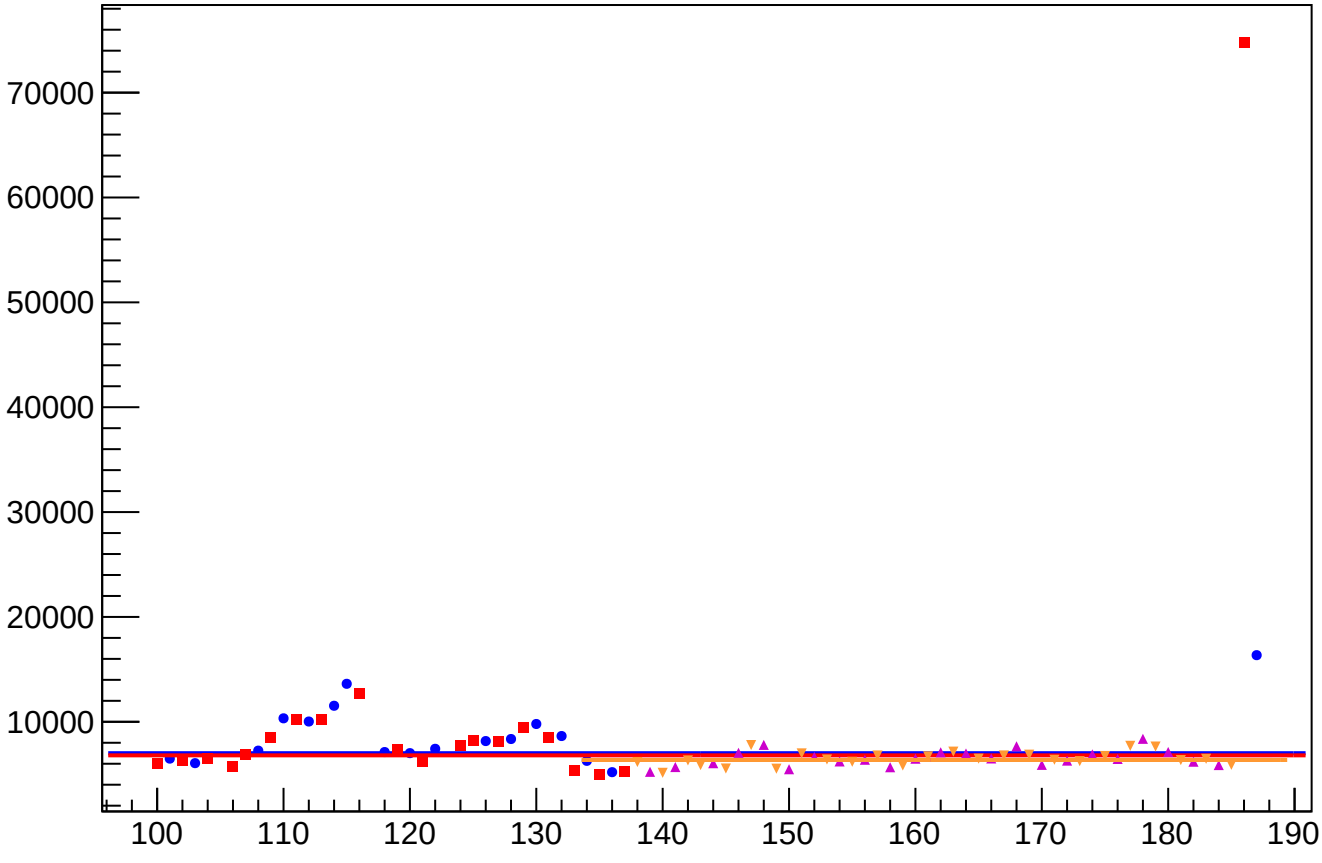
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 1.809+/-1.277 χ^2/NDF: 33.5/41

All: 1.805+/-0.908 χ^2/NDF: 87.6/84

- sign 1.802+/-1.293 χ^2/NDF: 54.1/42

diff_bpm4eY_rms vs Slug



Right In: 7005.865+/-1.873 χ^2/NDF: 814309.4/16

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6800.586+/-1.805 χ^2/NDF: 1457358.4/19

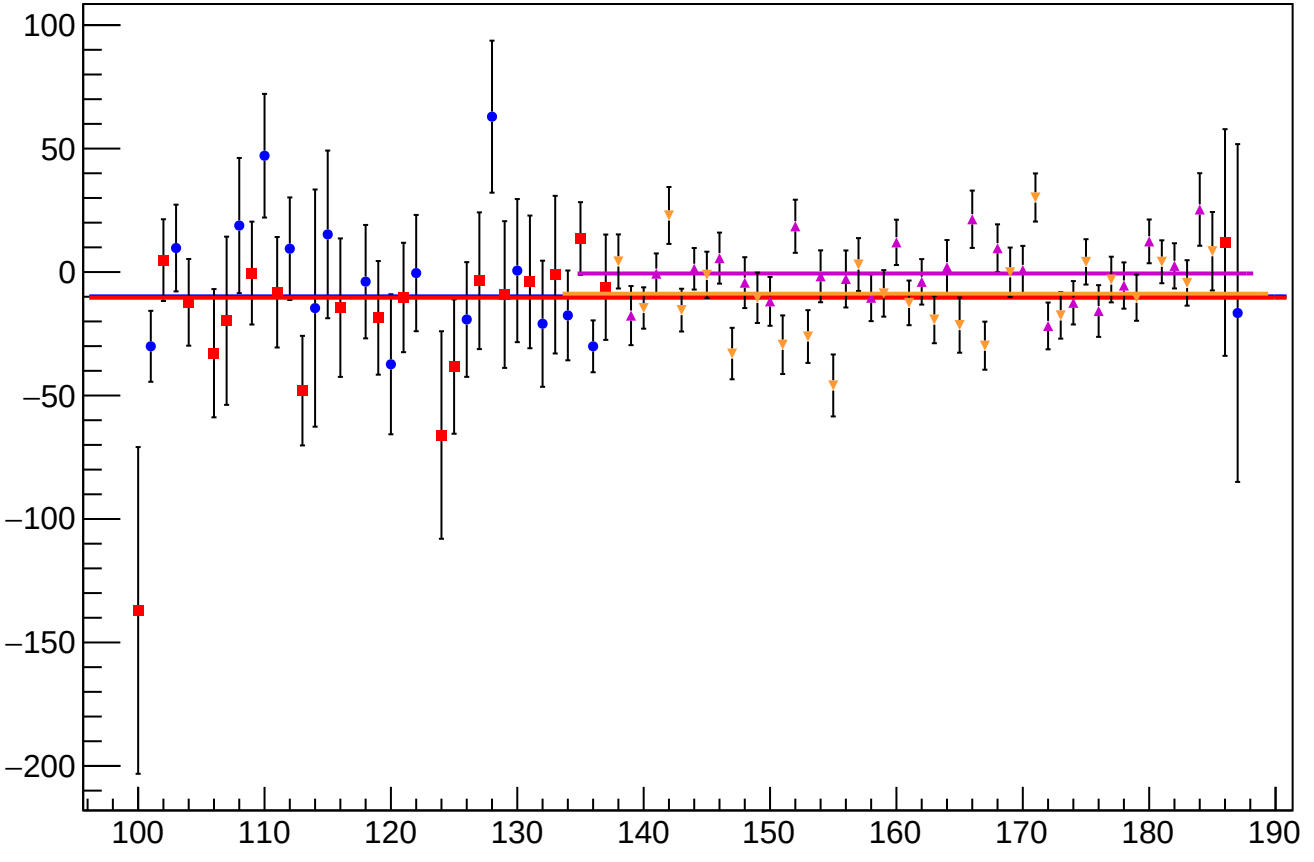
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6508.162+/-0.903 χ^2/NDF: 1320357.6/41

All: 6490.772+/-0.642 χ^2/NDF: 3296666.2/84

- sign 6472.945+/-0.914 χ^2/NDF: 1975557.2/42

diff_bpm4acX_mean vs Slug



Right In: -9.849+/-5.163 χ^2/NDF: 22.1/16

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -10.395+/-5.344 χ^2/NDF: 14.6/19

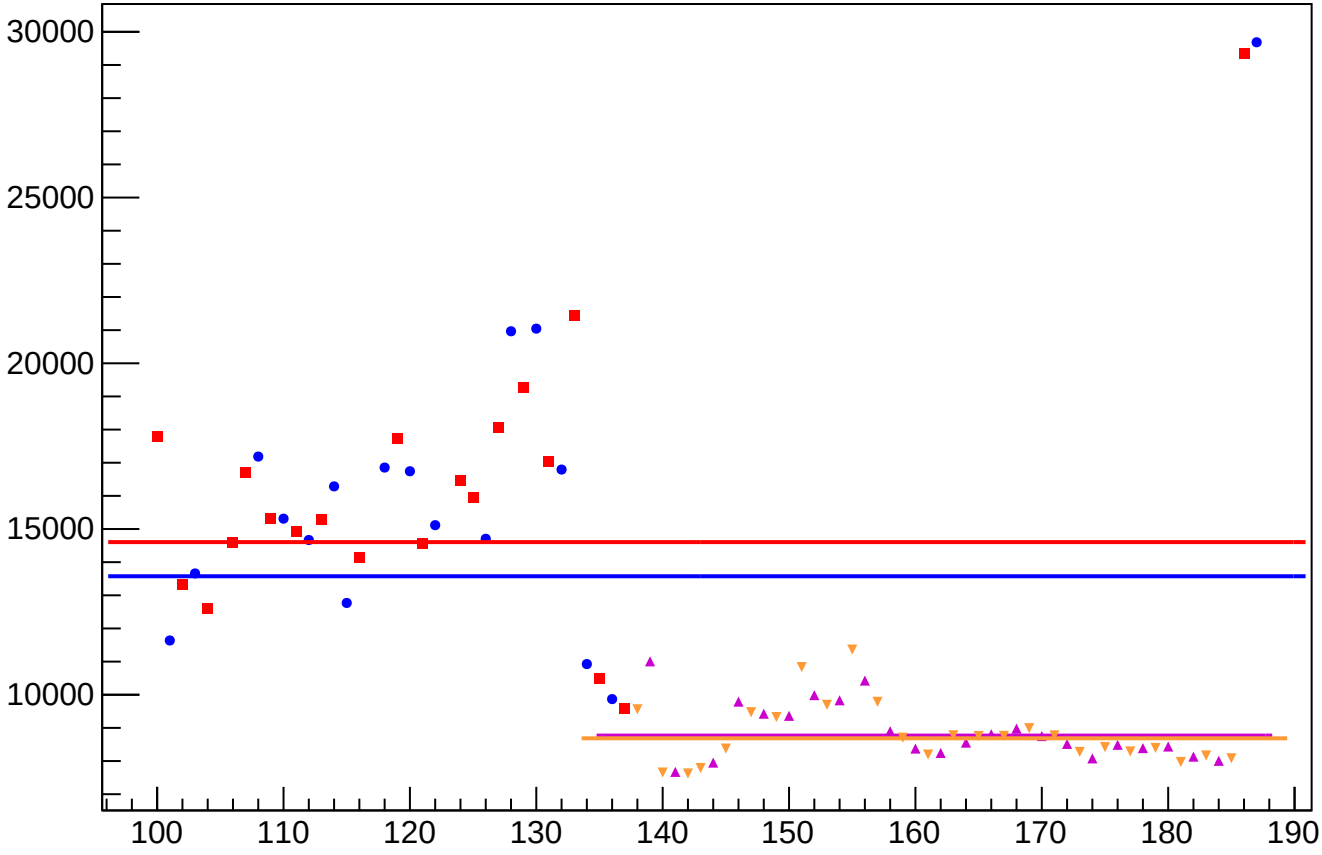
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -8.906+/-1.854 χ^2/NDF: 84.8/41

All: -5.502+/-1.334 χ^2/NDF: 138.8/84

- sign -1.848+/-1.921 χ^2/NDF: 47.1/42

diff_bpm4acX_rms vs Slug



Right In: 13575.204+/-3.651 χ^2/NDF: 855284.4/16

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 14605.321+/-3.779 χ^2/NDF: 761678.7/19

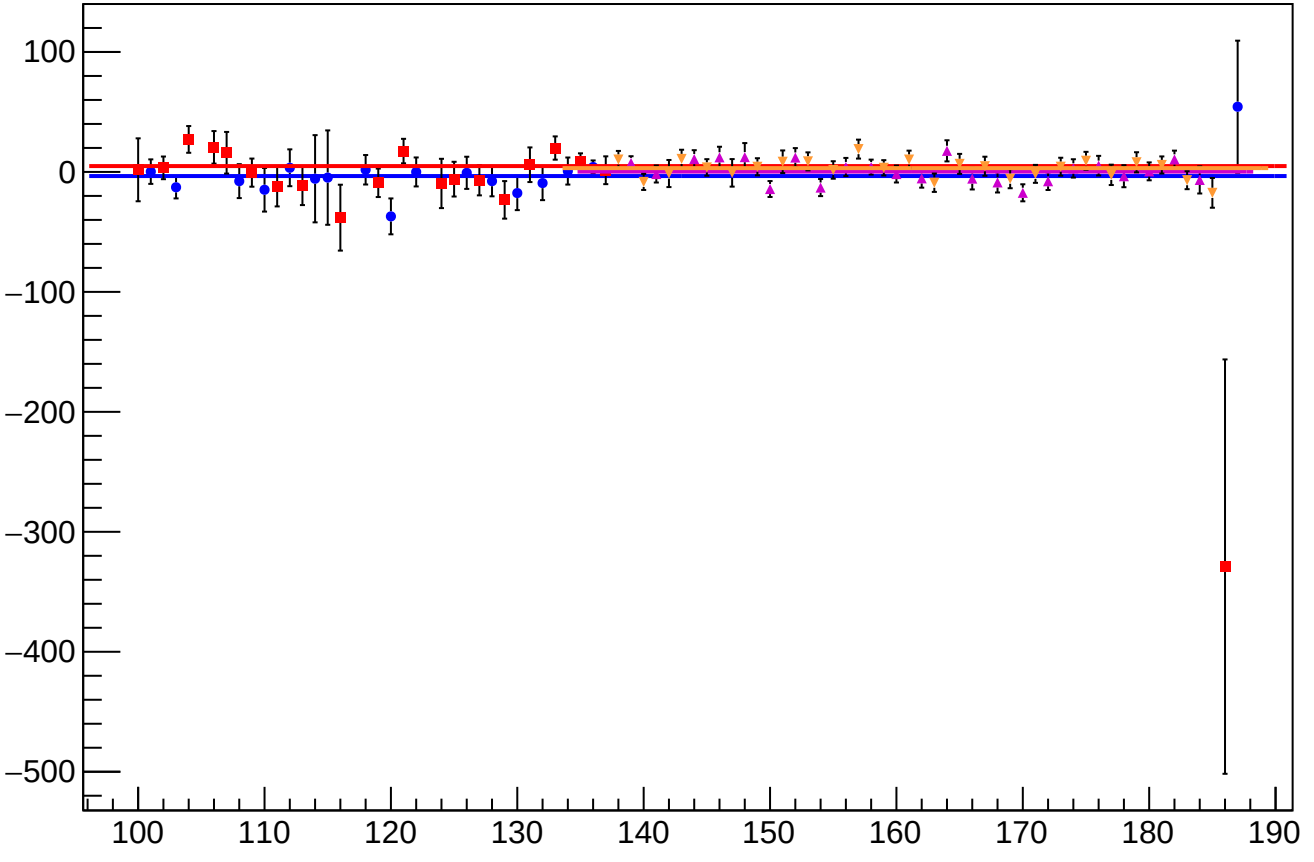
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9316.701+/-1.311 χ^2/NDF: 2757895.0/41

All: 9415.881+/-0.944 χ^2/NDF: 5905021.1/84

- sign 9522.358+/-1.359 χ^2/NDF: 3135263.2/42

diff_bpm4acY_mean vs Slug



Right In: -3.441+/-2.936 χ^2/NDF: 11.6/16

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 4.874+/-2.855 χ^2/NDF: 25.1/19

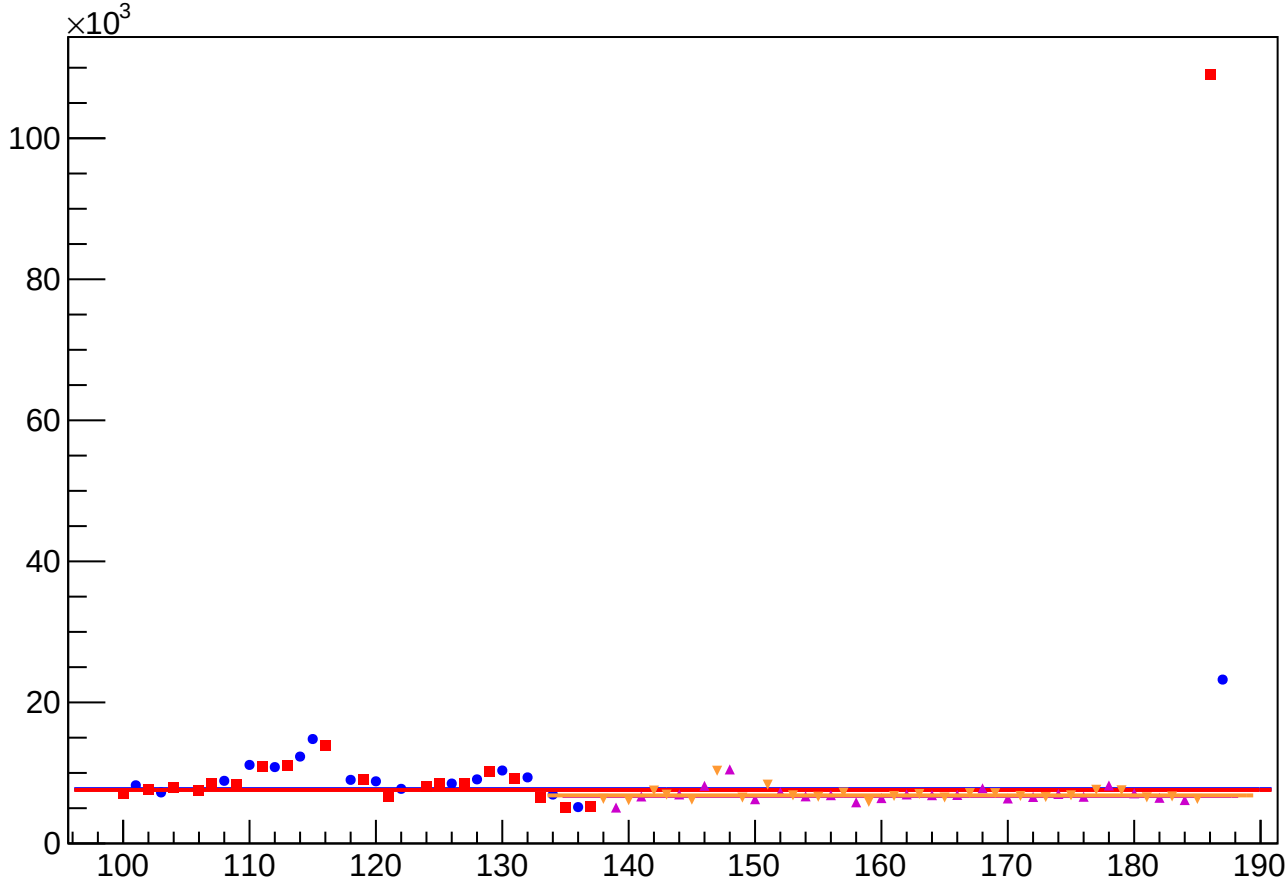
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 1.713+/-1.379 χ^2/NDF: 37.2/41

All: 1.537+/-0.979 χ^2/NDF: 98.6/84

- sign 1.359+/-1.389 χ^2/NDF: 61.3/42

diff_bpm4acY_rms vs Slug



Right In: 7700.114+/-2.076 χ^2/NDF: 1039357.8/16

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

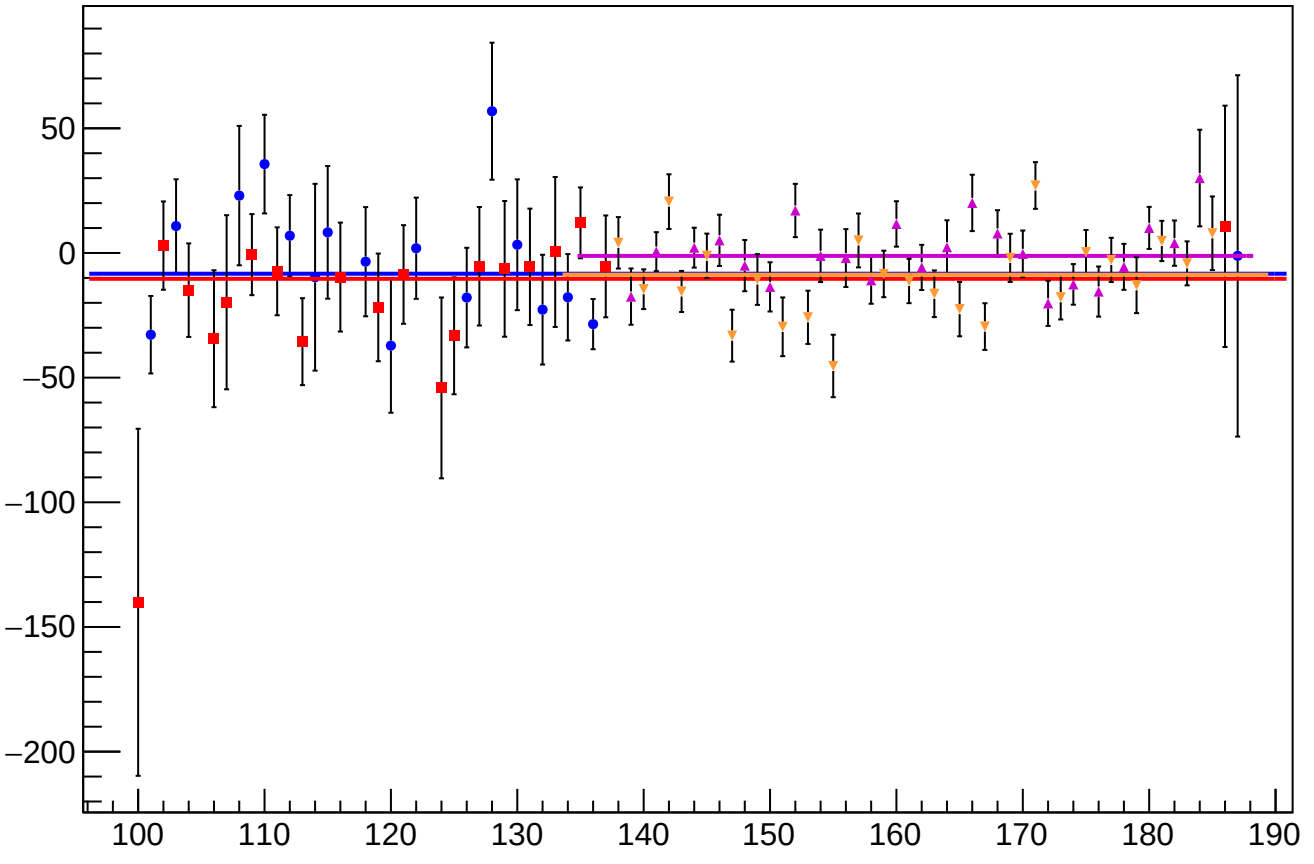
Right Out: 7585.226+/-2.019 χ^2/NDF: 1500045.3/19

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 7008.663+/-0.975 χ^2/NDF: 1576324.7/41

All: 6970.054+/-0.692 χ^2/NDF: 3827221.7/84

- sign 6930.862+/-0.982 χ^2/NDF: 2247737.2/42



Right In: -8.320+/-4.803 χ^2/NDF: 23.3/16

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -10.357+/-4.886 χ^2/NDF: 13.1/19

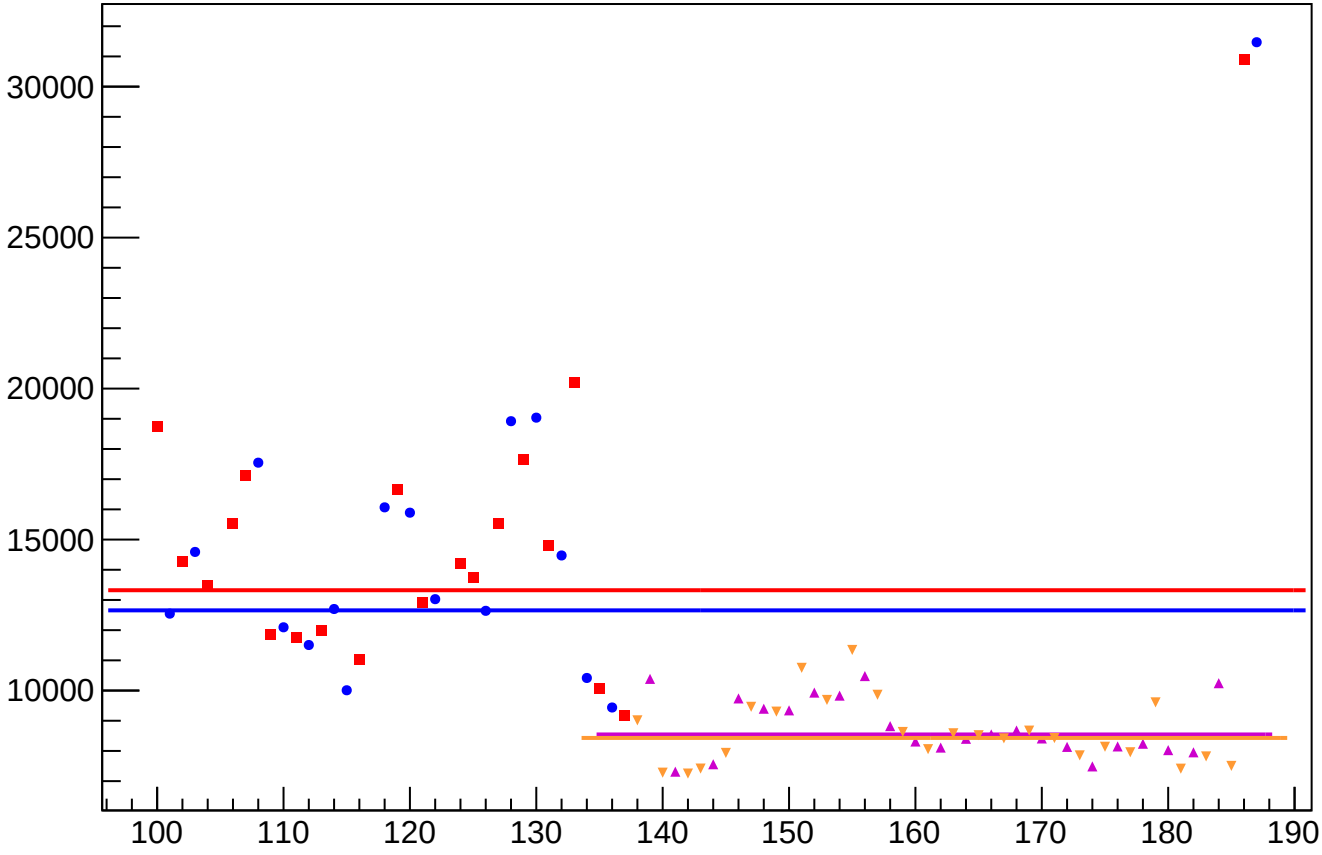
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.640+/-1.796 χ^2/NDF: 84.7/41

All: -5.682+/-1.292 χ^2/NDF: 135.0/84

- sign -2.506+/-1.861 χ^2/NDF: 44.7/42

diff_bpm4ecX_rms vs Slug



Right In: 12655.608+/-3.396 χ^2/NDF: 800446.4/16

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 13322.256+/-3.455 χ^2/NDF: 801509.1/19

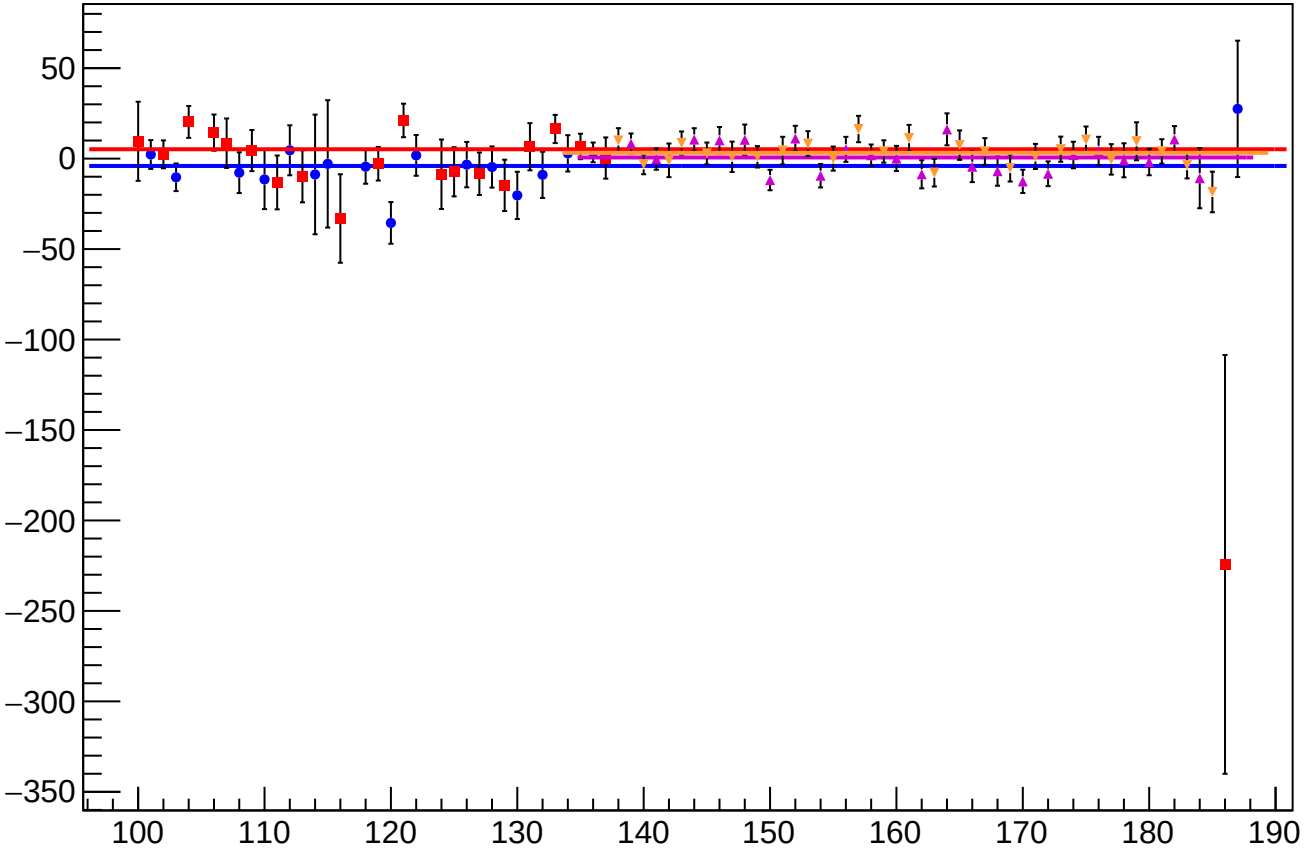
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9021.232+/-1.270 χ^2/NDF: 2616242.9/41

All: 9125.935+/-0.914 χ^2/NDF: 5456014.5/84

- sign 9238.353+/-1.316 χ^2/NDF: 2825672.1/42

diff_bpm4ecY_mean vs Slug



Right In: -4.054+/-2.594 χ^2/NDF: 14.6/16

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 5.180+/-2.501 χ^2/NDF: 23.7/19

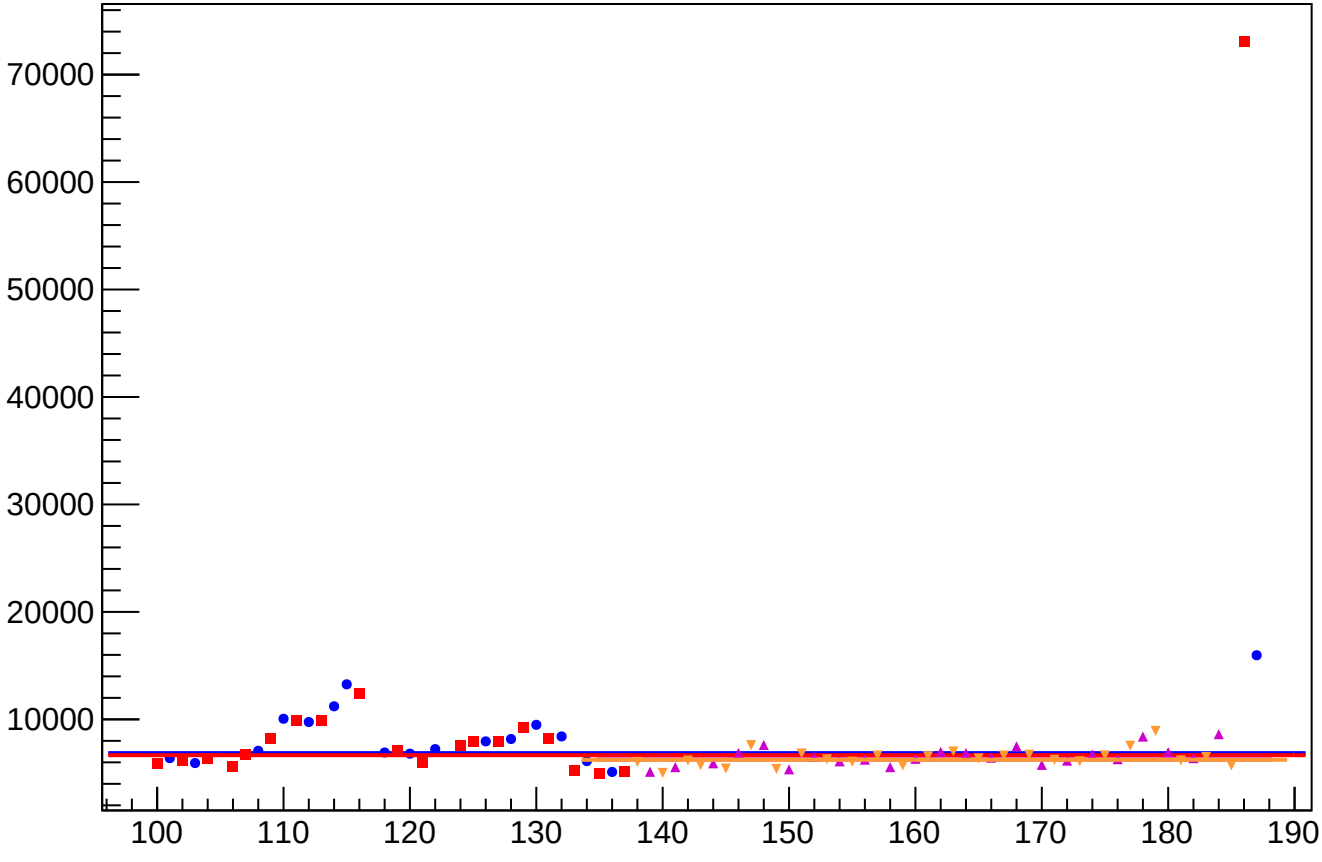
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 1.489+/-1.256 χ^2/NDF: 39.2/41

All: 1.649+/-0.895 χ^2/NDF: 97.2/84

- sign 1.814+/-1.275 χ^2/NDF: 57.9/42

diff_bpm4ecY_rms vs Slug



Right In: 6857.636+/-1.834 χ^2/NDF: 791473.1/16

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

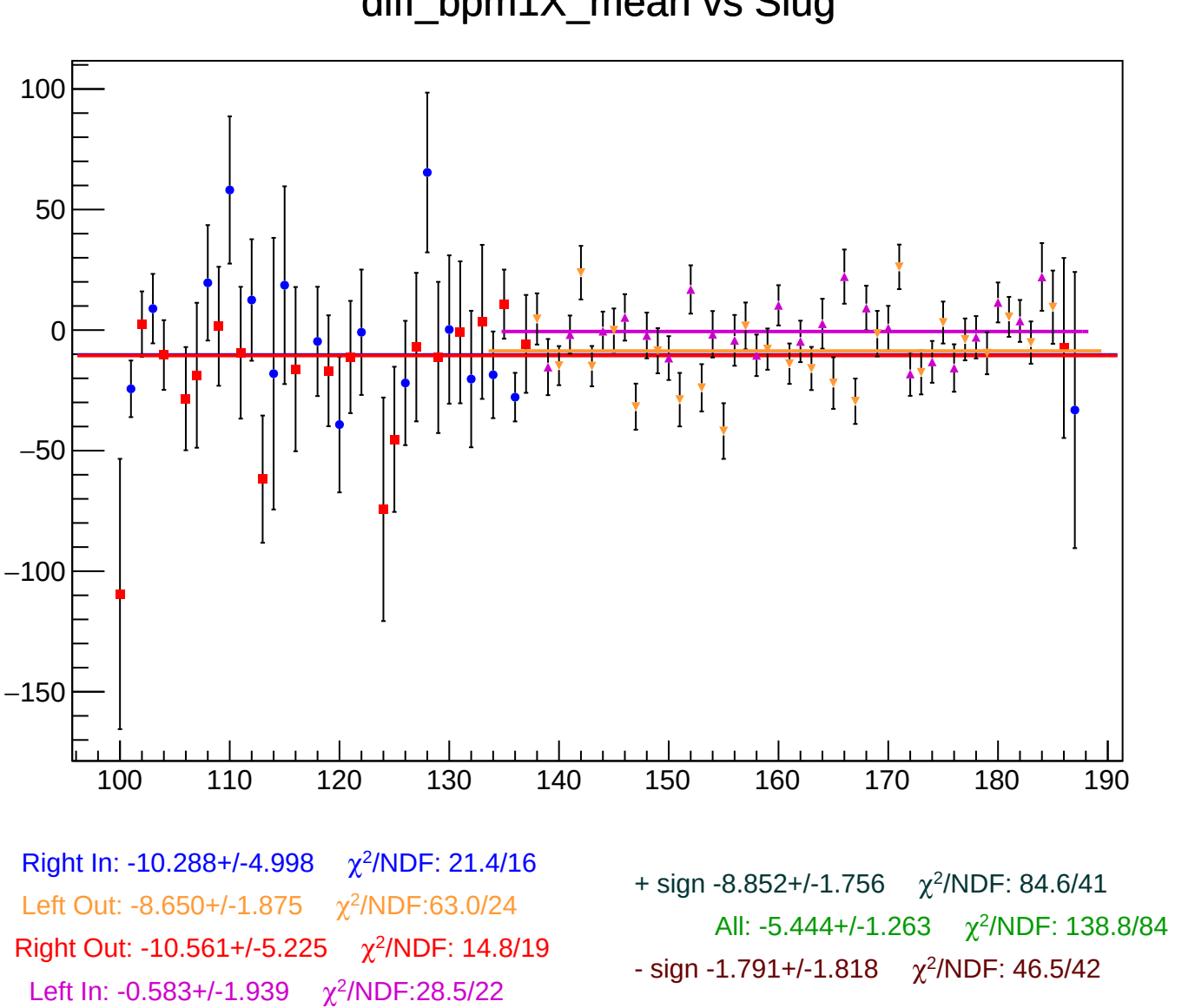
Right Out: 6664.735+/-1.769 χ^2/NDF: 1422243.8/19

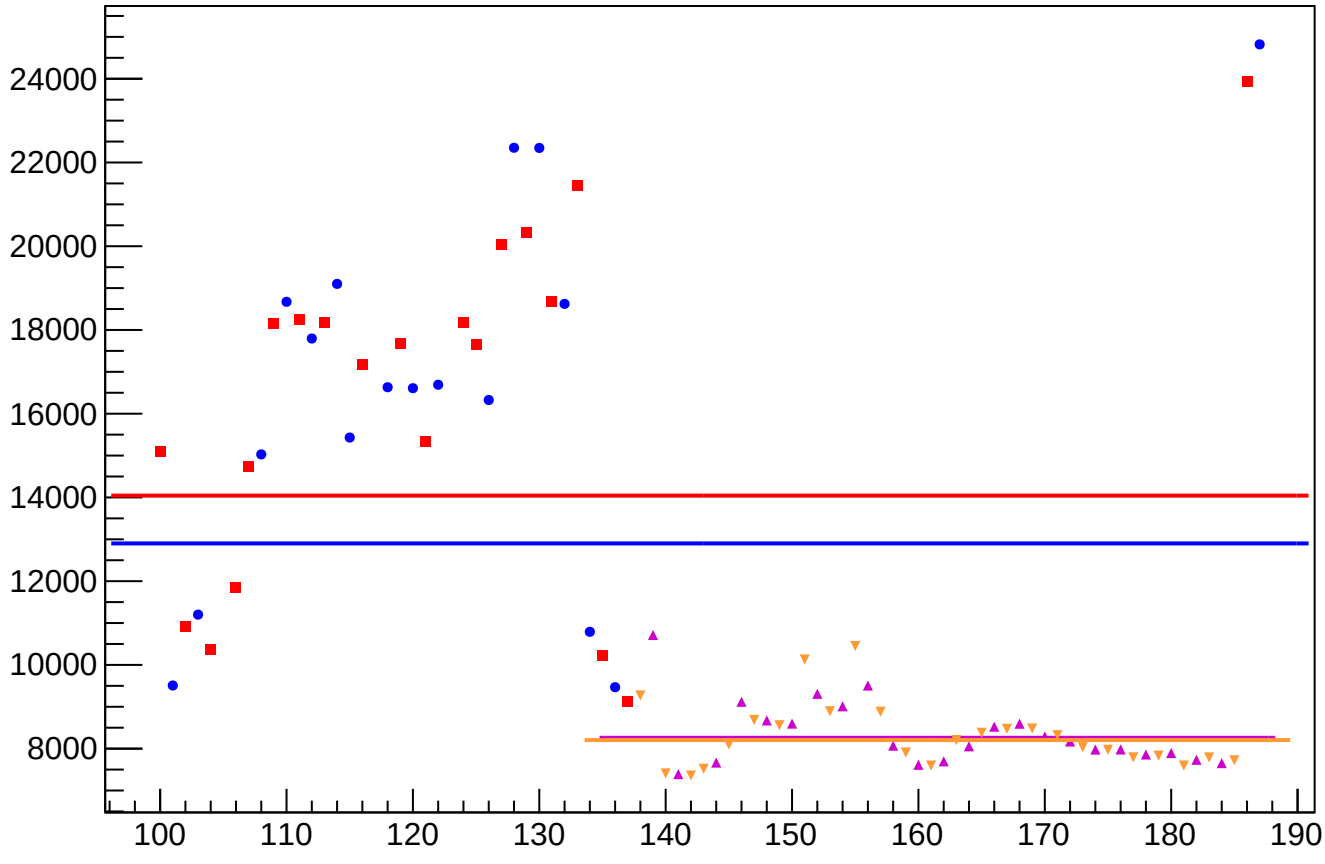
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6383.092+/-0.888 χ^2/NDF: 1386595.6/41

All: 6377.259+/-0.633 χ^2/NDF: 3370446.6/84

- sign 6371.245+/-0.901 χ^2/NDF: 1983763.3/42


diff_bpm1X_mean vs Slug
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: -10.288+/-4.998 χ²/NDF: 21.4/16
Left Out: -8.650+/-1.875 χ²/NDF:63.0/24
Right Out: -10.561+/-5.225 χ²/NDF: 14.8/19
Left In: -0.583+/-1.939 χ²/NDF:28.5/22
+ sign -8.852+/-1.756 χ²/NDF: 84.6/41
All: -5.444+/-1.263 χ²/NDF: 138.8/84
- sign -1.791+/-1.818 χ²/NDF: 46.5/42



Right In: 12901.418+/-3.534 χ^2/NDF: 1335528.8/16

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 14043.198+/-3.694 χ^2/NDF: 1239659.4/19

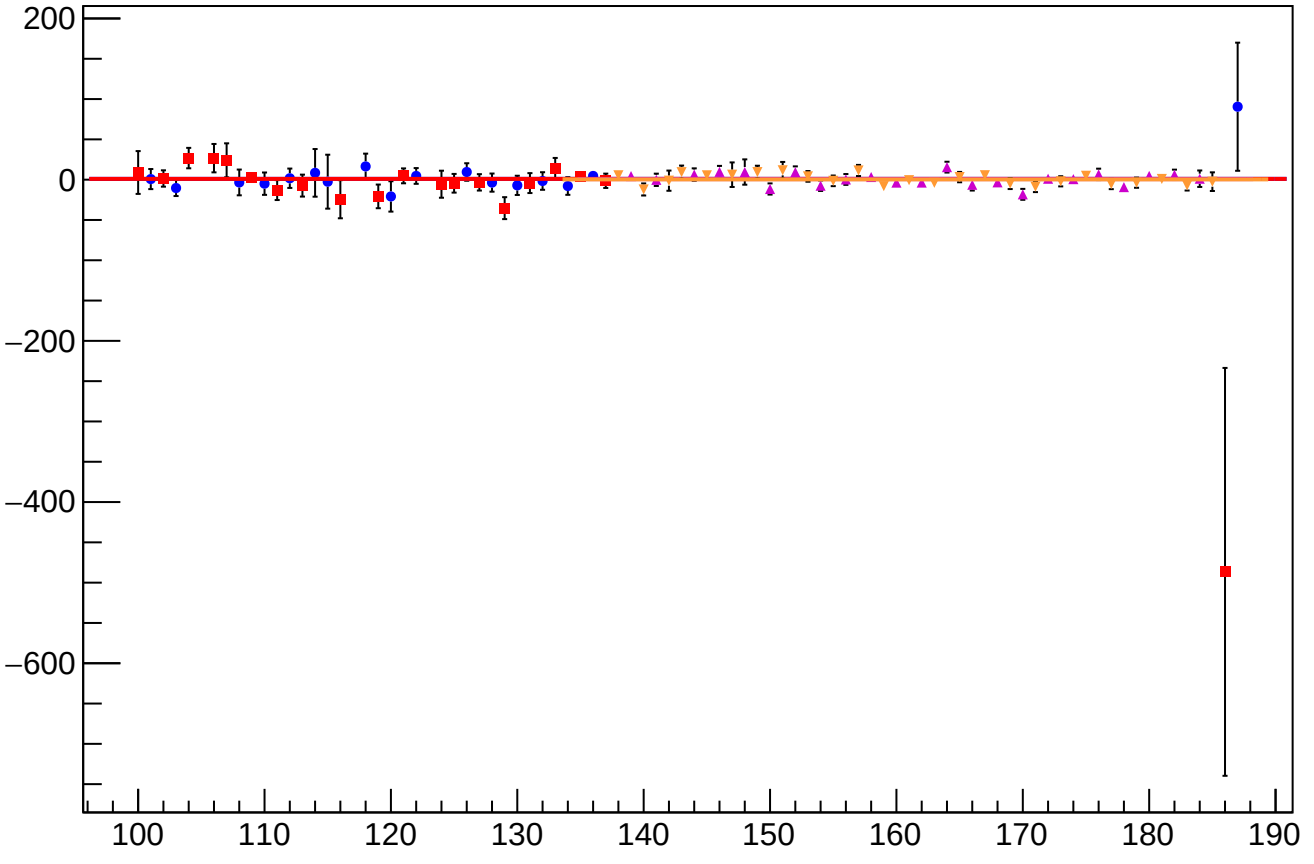
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 8784.004+/-1.241 χ^2/NDF: 3156801.1/41

All: 8868.580+/-0.893 χ^2/NDF: 6817858.2/84

- sign 8959.245+/-1.285 χ^2/NDF: 3651439.5/42

diff_bpm1Y_mean vs Slug



Right In: 0.975+/-2.565 χ^2/NDF: 8.1/16

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 0.965+/-2.314 χ^2/NDF: 26.0/19

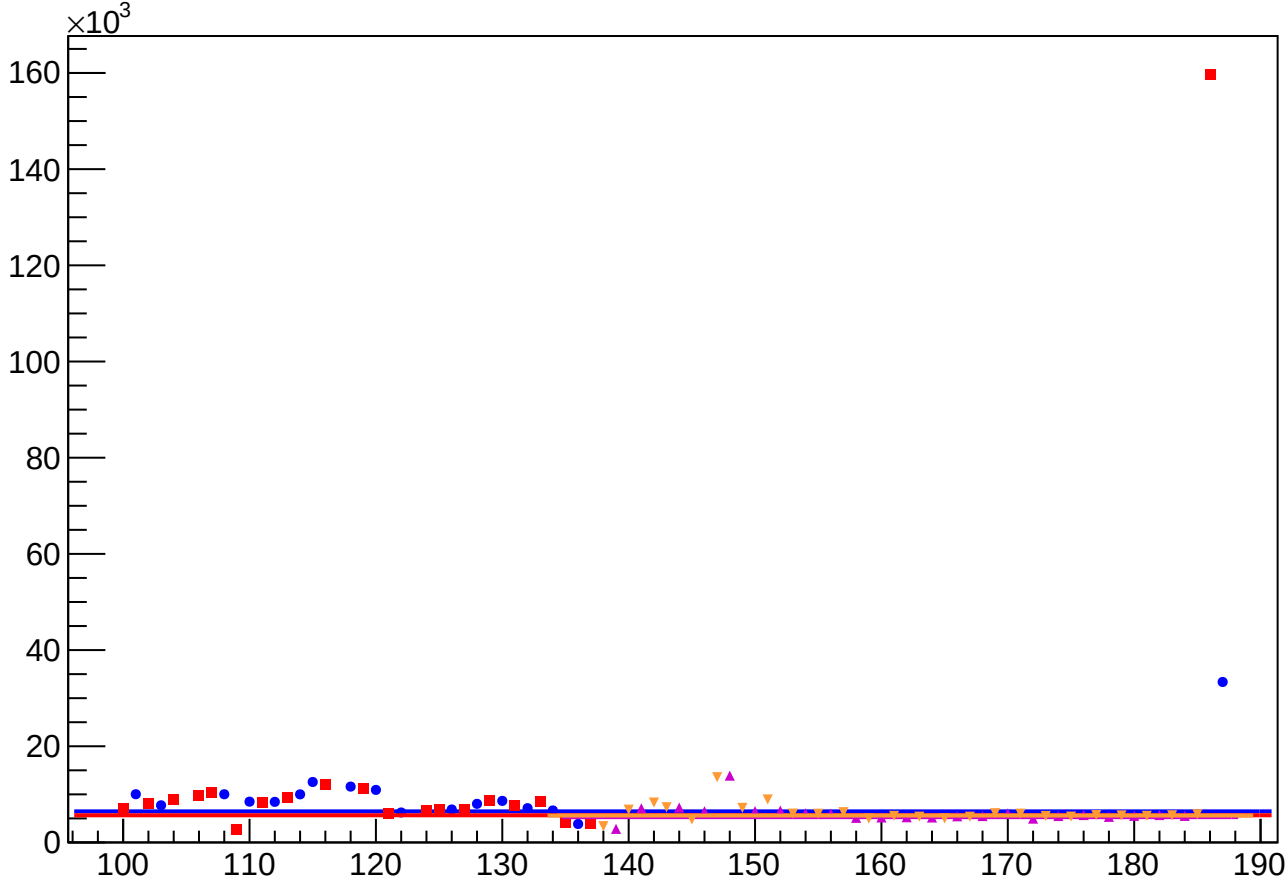
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.484+/-1.175 χ^2/NDF: 29.6/41

All: 0.633+/-0.813 χ^2/NDF: 85.6/84

- sign 0.770+/-1.128 χ^2/NDF: 55.9/42

diff_bpm1Y_rms vs Slug



Right In: 6462.614+/-1.814 χ^2/NDF: 1980148.0/16

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5650.221+/-1.636 χ^2/NDF: 3320872.9/19

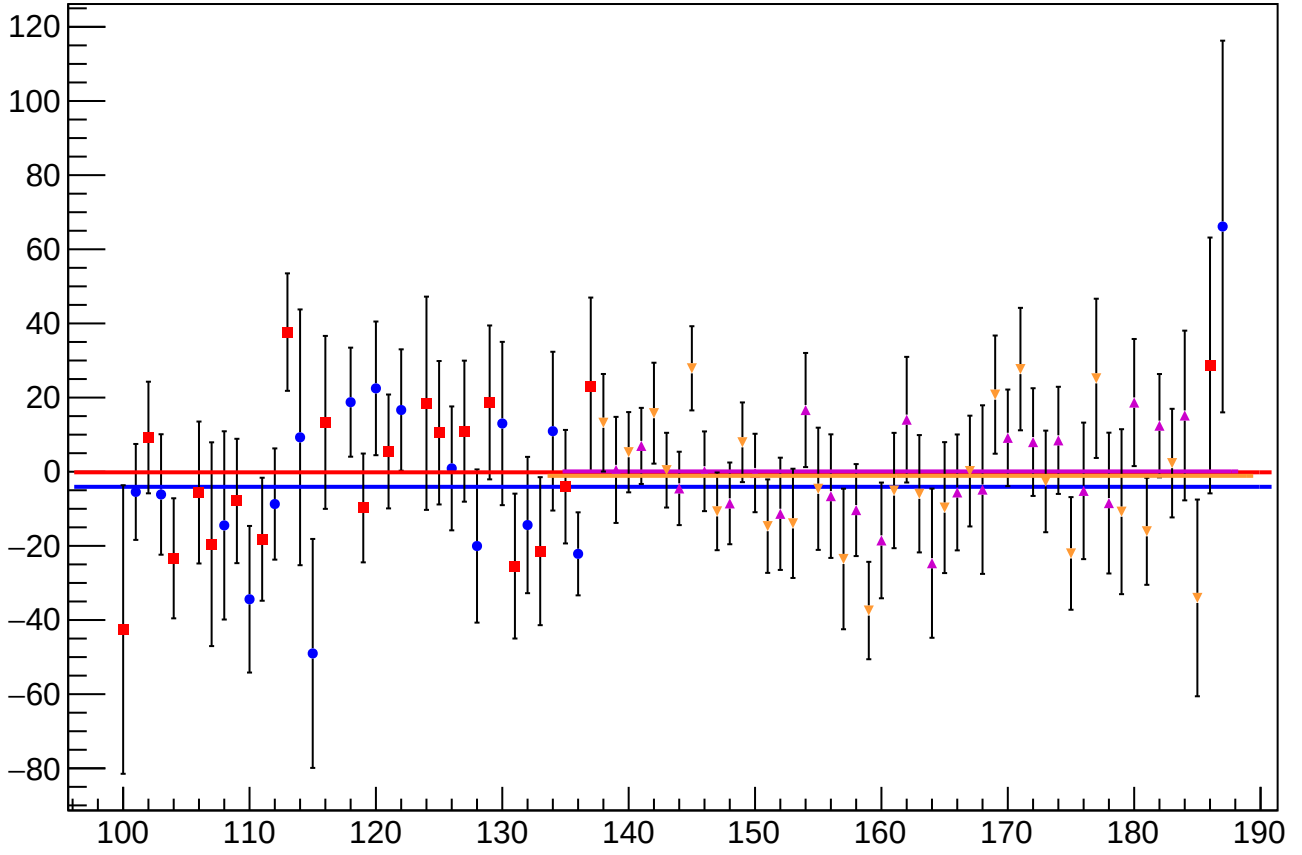
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5776.653+/-0.831 χ^2/NDF: 3945465.7/41

All: 5557.042+/-0.575 χ^2/NDF: 9868969.8/84

- sign 5354.762+/-0.797 χ^2/NDF: 5789244.7/42

diff_bpm11X_mean vs Slug



Right In: -4.072+/-4.338 χ^2/NDF: 17.8/16

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -0.159+/-4.234 χ^2/NDF: 18.6/19

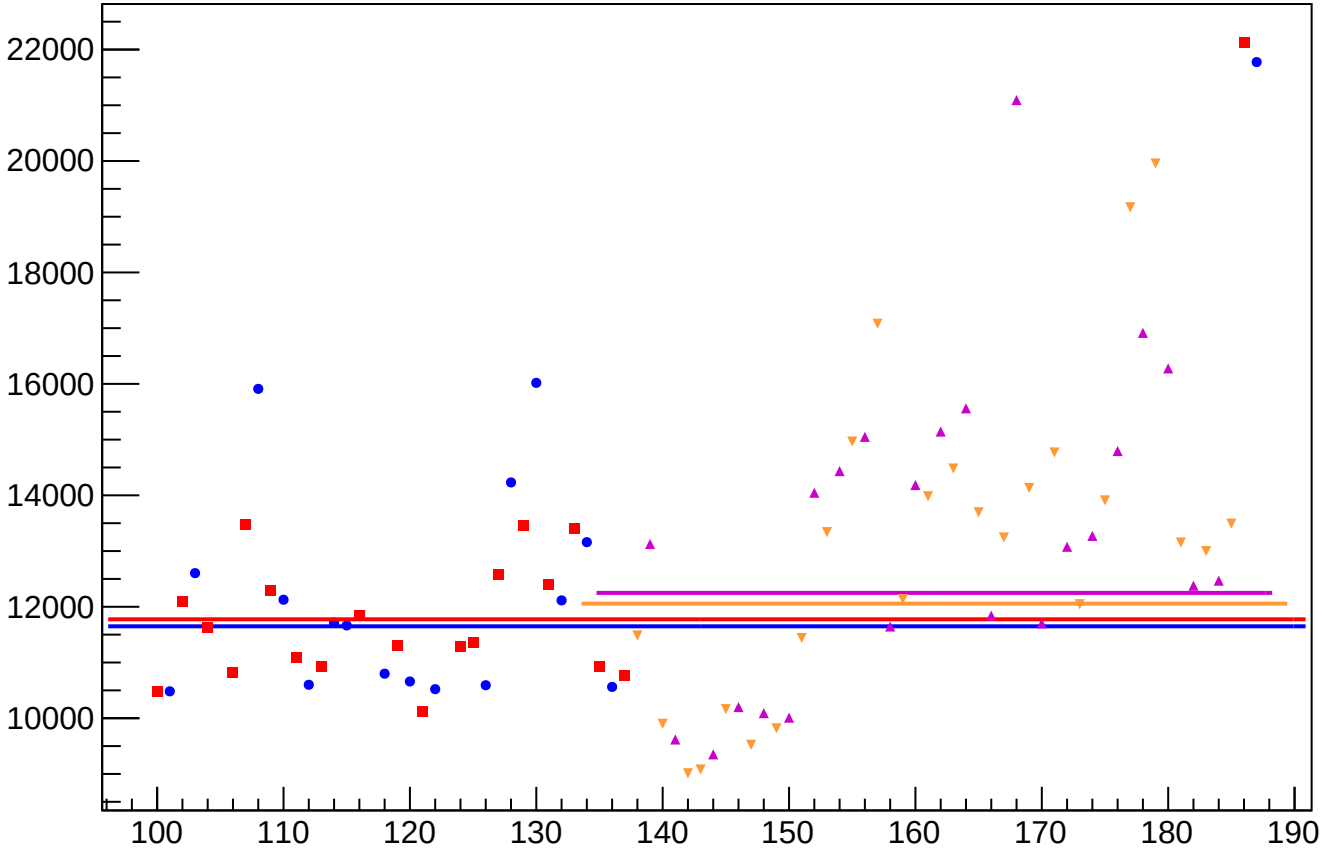
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

+ sign -1.987+/-2.360 χ^2/NDF: 51.9/41

All: -1.010+/-1.685 χ^2/NDF: 82.3/84

- sign 0.006+/-2.407 χ^2/NDF: 30.1/42

diff_bpm11X_rms vs Slug



Right In: 11649.484+/-3.068 χ^2/NDF: 342285.1/16

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 11775.176+/-2.994 χ^2/NDF: 276226.6/19

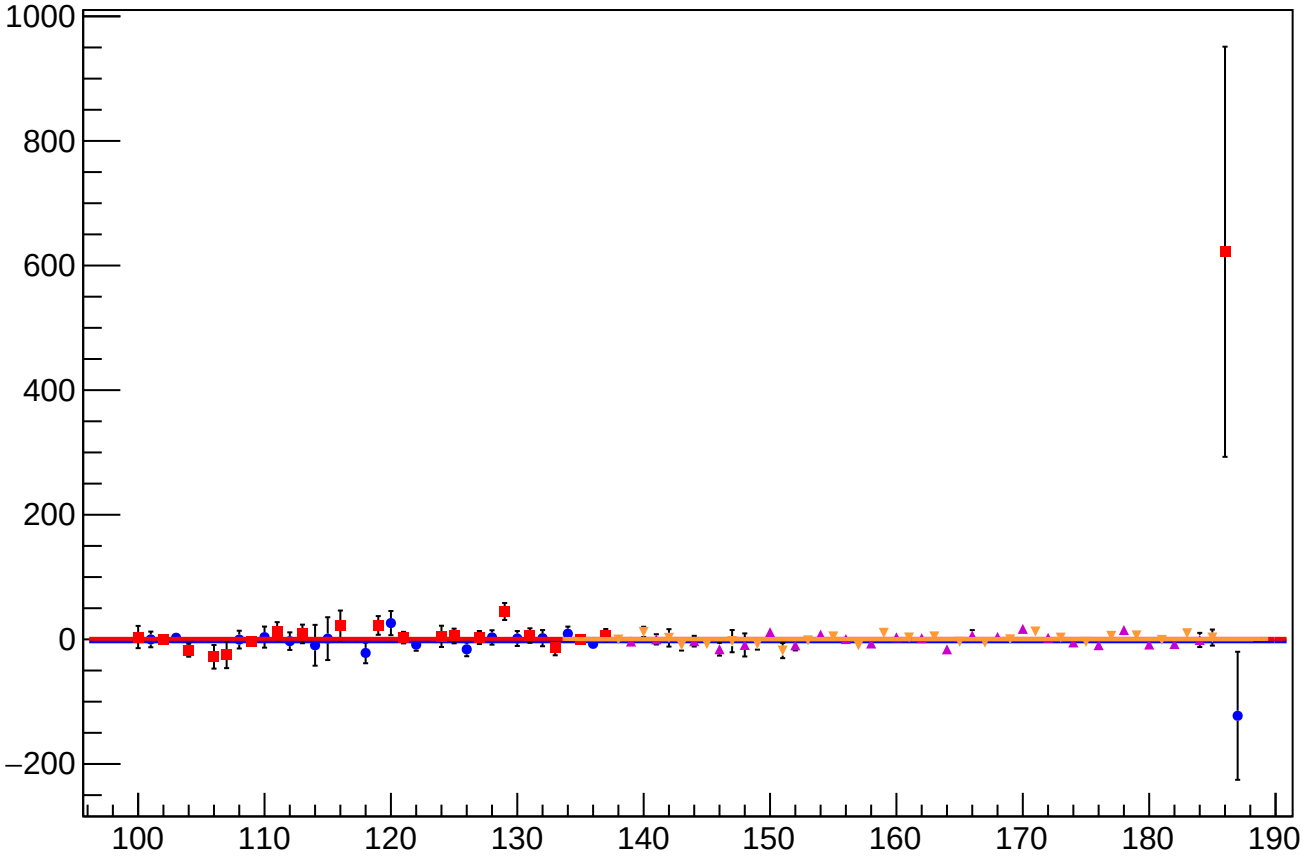
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 11936.176+/-1.669 χ^2/NDF: 1916430.1/41

All: 12014.470+/-1.192 χ^2/NDF: 3630133.8/8

- sign 12095.915+/-1.702 χ^2/NDF: 1709213.9/42

diff_bpm11Y_mean vs Slug



Right In: -3.094+/-2.653 χ^2/NDF: 10.0/16

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 0.863+/-2.352 χ^2/NDF: 27.4/19

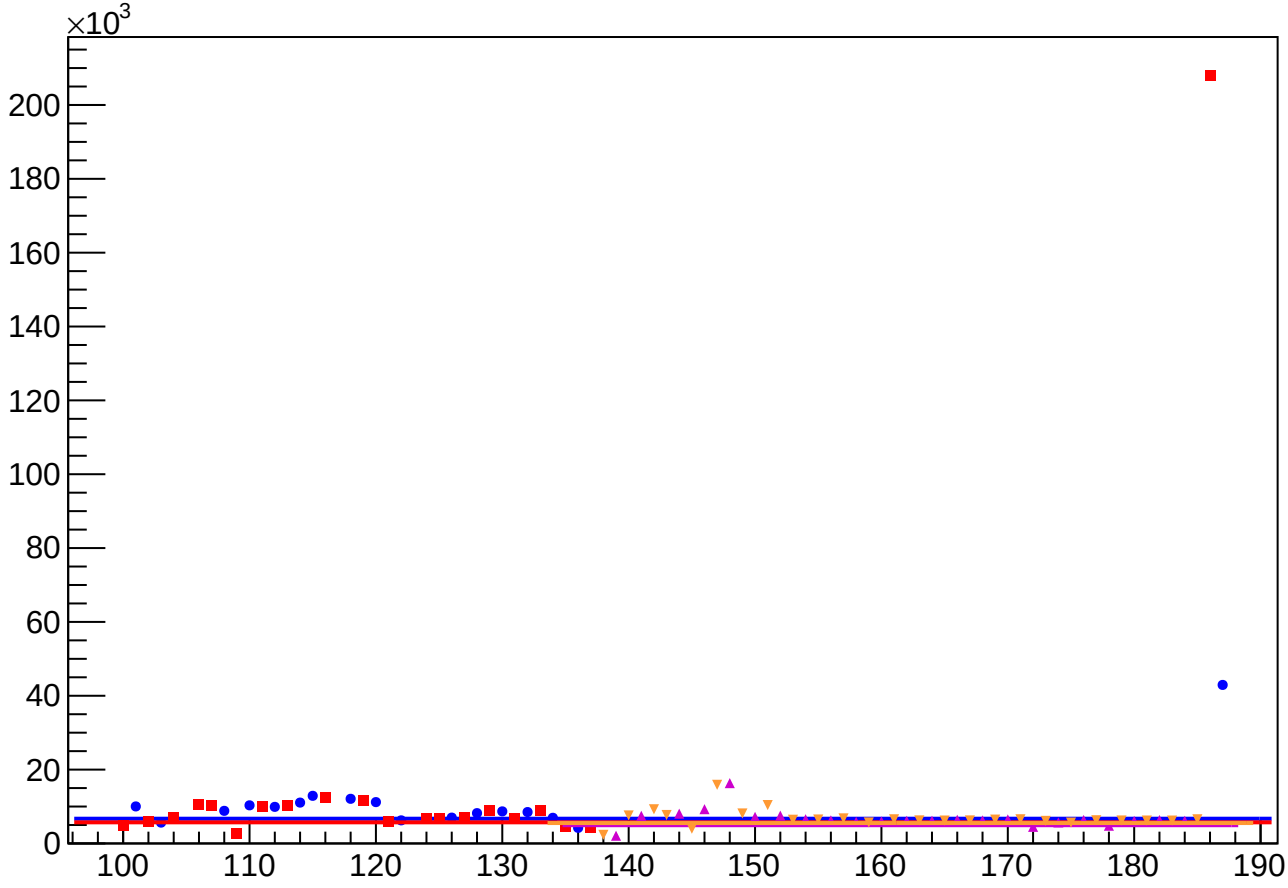
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign -0.235+/-1.216 χ^2/NDF: 32.9/41

All: -0.391+/-0.829 χ^2/NDF: 93.0/84

- sign -0.526+/-1.134 χ^2/NDF: 60.0/42

diff_bpm11Y_rms vs Slug



Right In: 6701.097+/-1.876 χ^2/NDF: 1821792.0/16

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

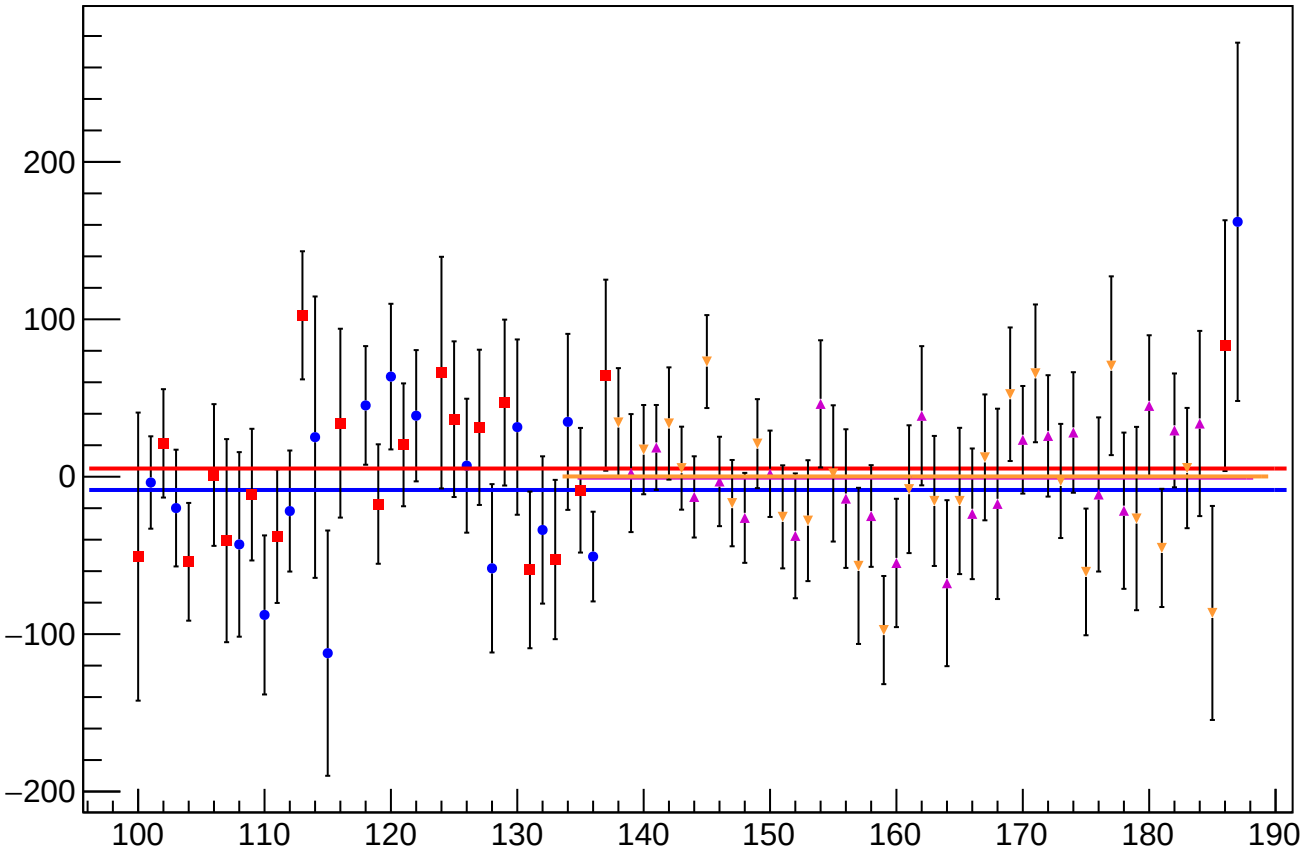
Right Out: 5720.140+/-1.663 χ^2/NDF: 3055450.0/19

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5774.568+/-0.860 χ^2/NDF: 6506353.6/41

All: 5425.899+/-0.586 χ^2/NDF: 15973116.2/8

- sign 5122.918+/-0.802 χ^2/NDF: 9159639.0/42



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

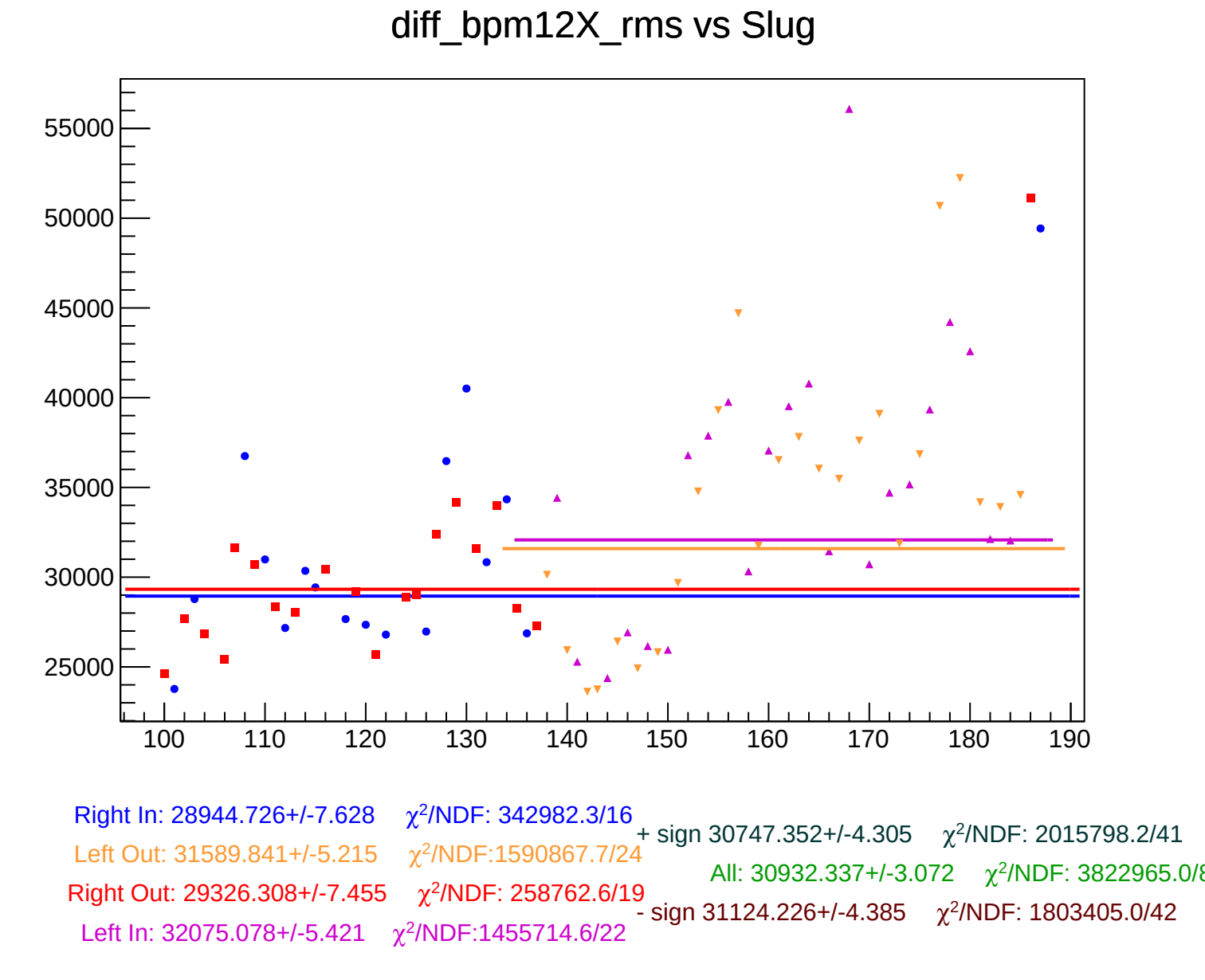
Right Out: 5.205+/-10.543 χ^2/NDF: 18.3/19

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

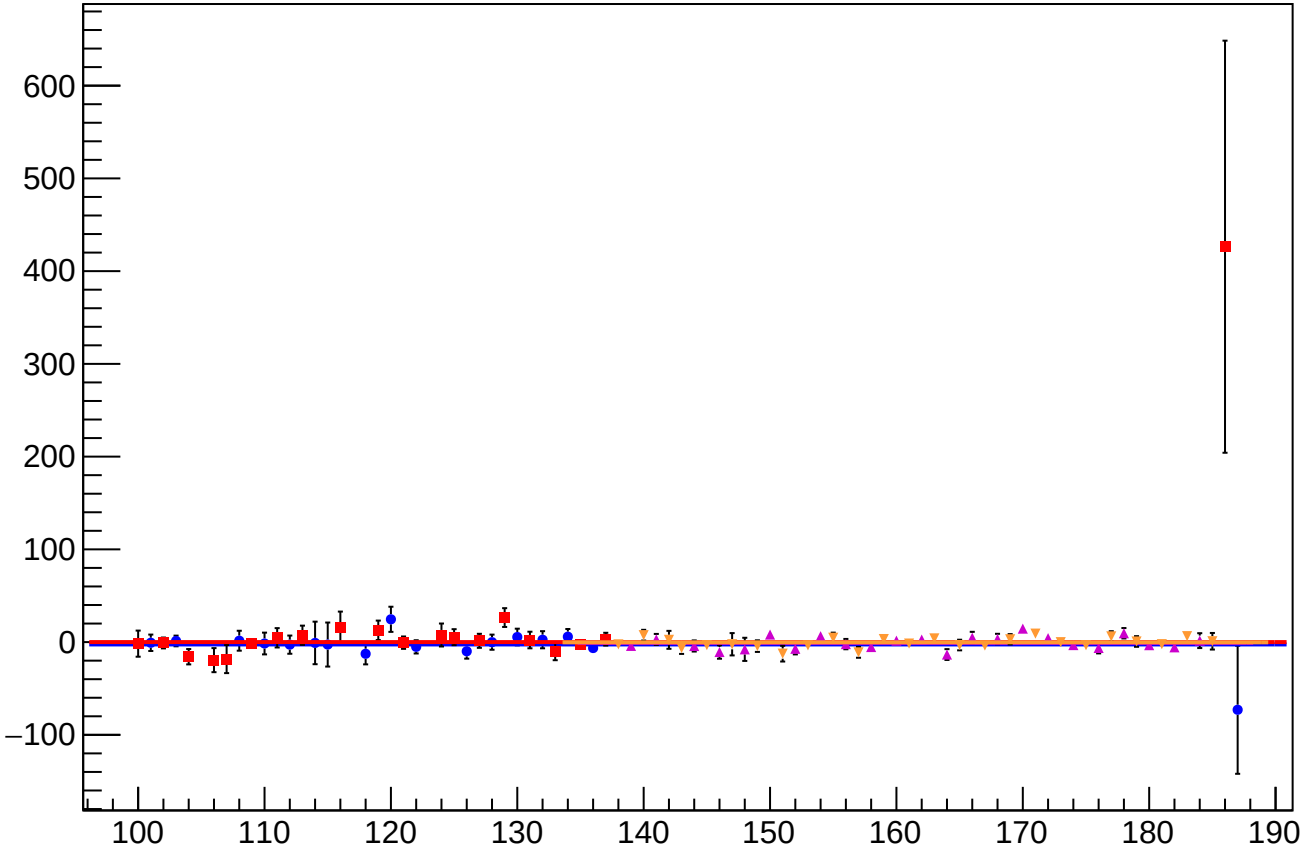
+ sign -2.569+/-6.088 χ^2/NDF: 49.1/41

All: -0.612+/-4.344 χ^2/NDF: 80.6/84

- sign 1.417+/-6.201 χ^2/NDF: 31.3/42


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
180
190
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 29326.308+/-7.455 χ²/NDF: 258762.6/19
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 30747.352+/-4.305 χ²/NDF: 2015798.2/41
All: 30932.337+/-3.072 χ²/NDF: 3822965.0/8
- sign 31124.226+/-4.385 χ²/NDF: 1803405.0/42

diff_bpm12Y_mean vs Slug



Right In: -2.522+/-1.915 χ^2/NDF: 11.1/16

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 0.020+/-1.828 χ^2/NDF: 23.6/19

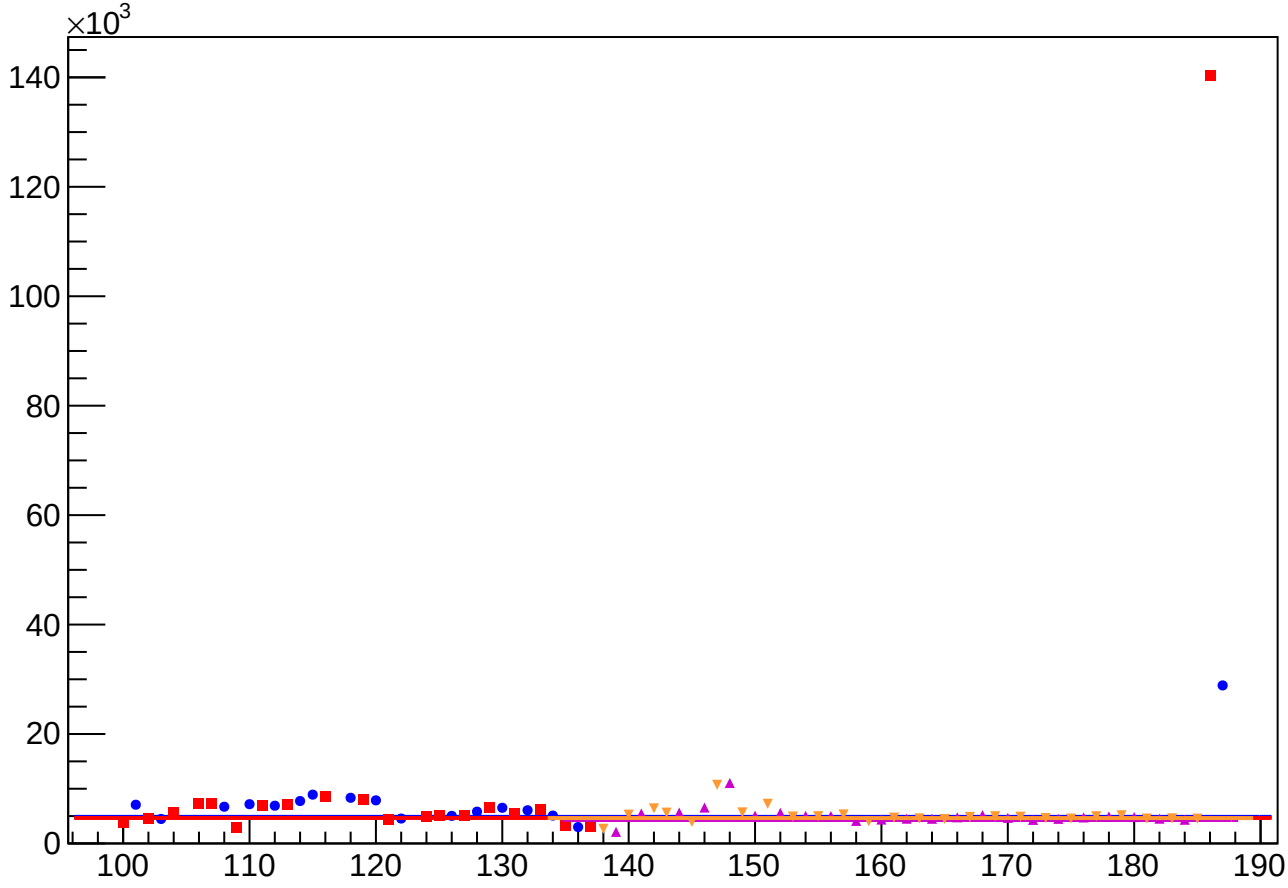
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign -0.791+/-0.950 χ^2/NDF: 32.0/41

All: -0.684+/-0.660 χ^2/NDF: 89.6/84

- sign -0.585+/-0.917 χ^2/NDF: 57.6/42

diff_bpm12Y_rms vs Slug



Right In: 4855.680+/-1.354 χ^2/NDF: 1790242.3/16

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 4658.797+/-1.293 χ^2/NDF: 2180075.2/19

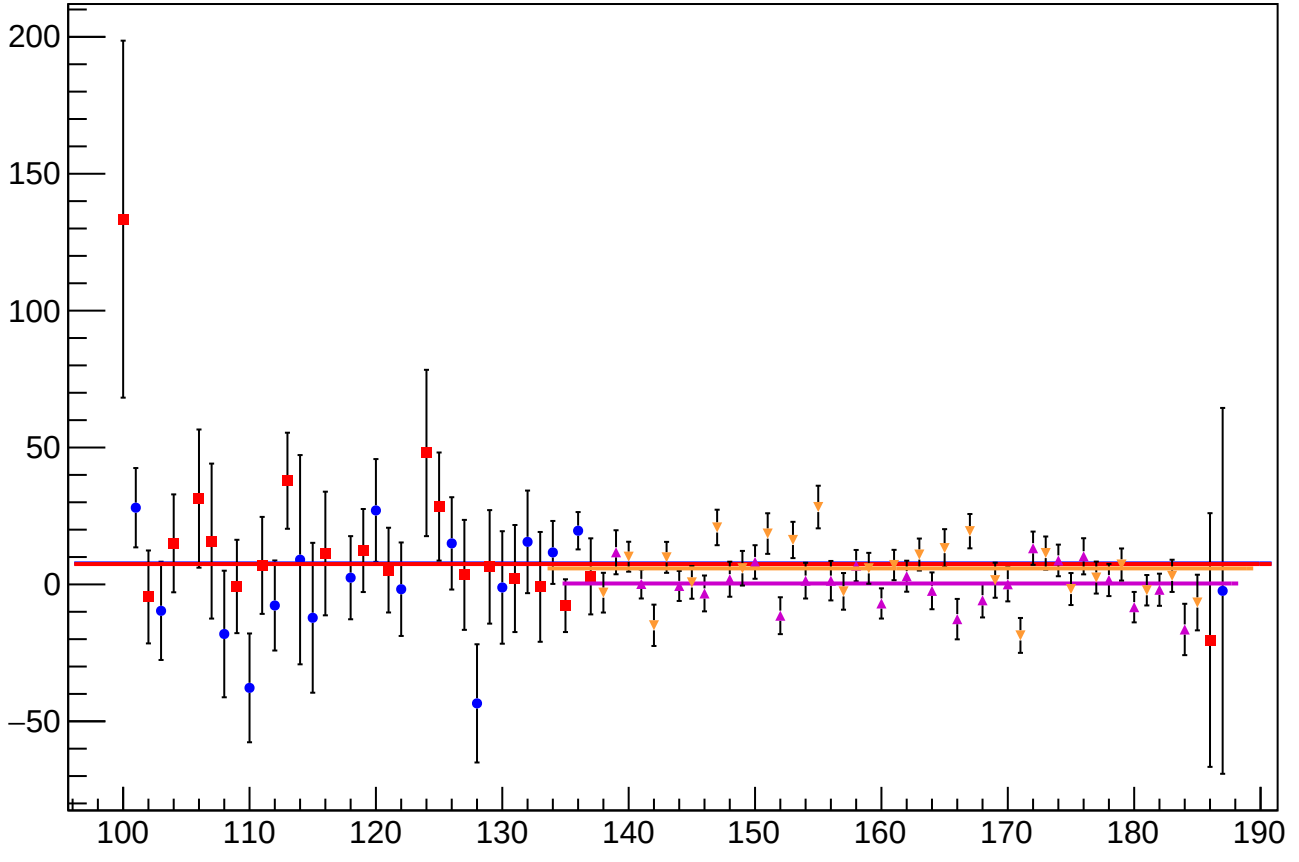
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 4691.107+/-0.672 χ^2/NDF: 3572939.0/41

All: 4533.601+/-0.467 χ^2/NDF: 9014151.1/84

- sign 4386.675+/-0.649 χ^2/NDF: 5334920.0/42

diff_bpm16X_mean vs Slug



Right In: 7.666+/-3.814 χ^2/NDF: 21.6/16

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 7.433+/-4.083 χ^2/NDF: 14.9/19

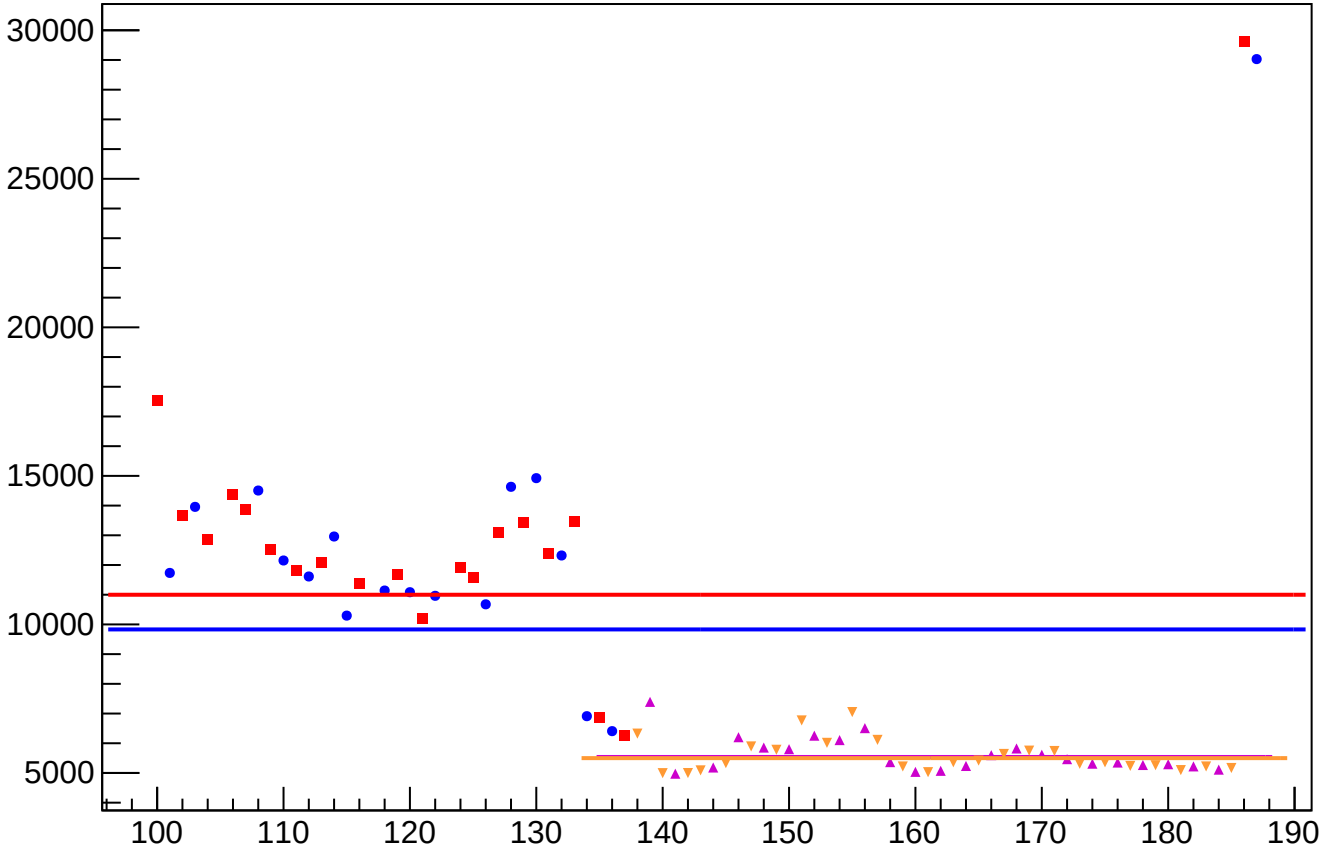
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.027+/-1.194 χ^2/NDF: 81.9/41

All: 3.602+/-0.860 χ^2/NDF: 137.5/84

- sign 0.991+/-1.239 χ^2/NDF: 47.0/42

diff_bpm16X_rms vs Slug



Right In: 9831.508+/-2.697 χ^2/NDF: 1379326.8/16

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 10998.708+/-2.887 χ^2/NDF: 1199938.3/19

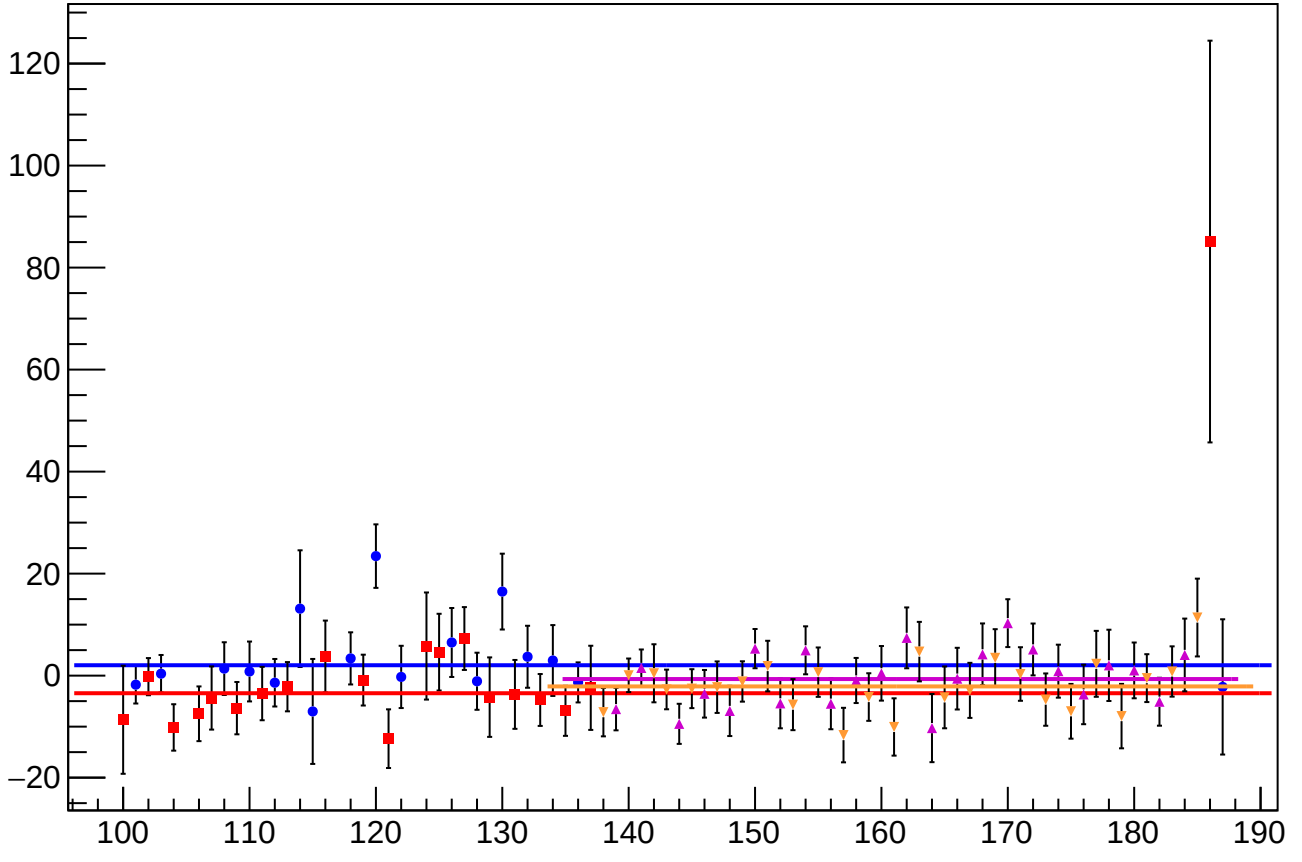
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 5924.020+/-0.844 χ^2/NDF: 4005072.5/41

All: 5980.292+/-0.608 χ^2/NDF: 8765943.6/84

- sign 6040.909+/-0.876 χ^2/NDF: 4751646.2/42

diff_bpm16Y_mean vs Slug



Right In: 2.038+/-1.338 χ^2/NDF: 21.1/16

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -3.449+/-1.303 χ^2/NDF: 18.5/19

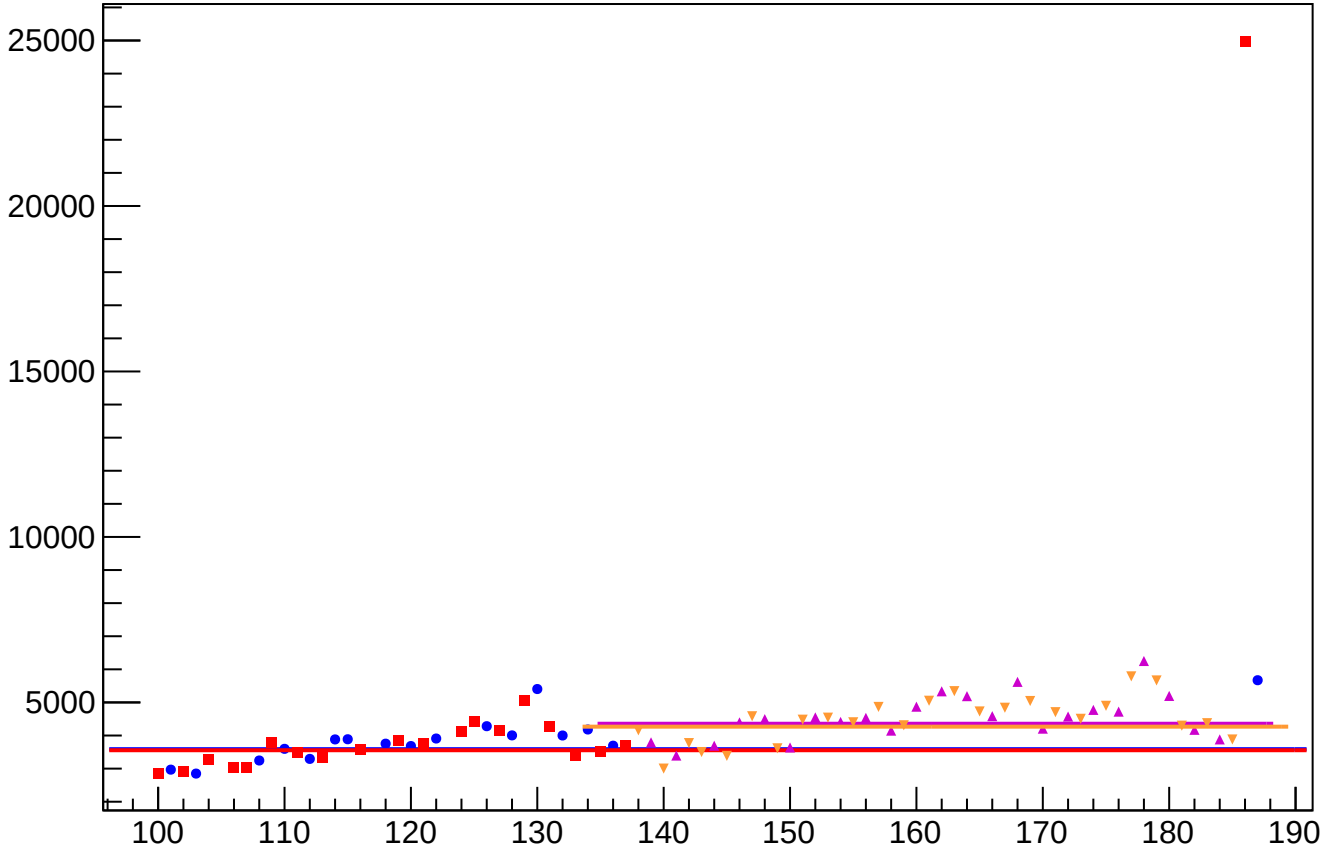
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -0.652+/-0.795 χ^2/NDF: 44.8/41

All: -1.186+/-0.567 χ^2/NDF: 95.4/84

- sign -1.740+/-0.809 χ^2/NDF: 49.7/42

diff_bpm16Y_rms vs Slug



Right In: 3587.596+/-0.946 χ^2/NDF: 390990.6/16

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3555.669+/-0.922 χ^2/NDF: 870490.1/19

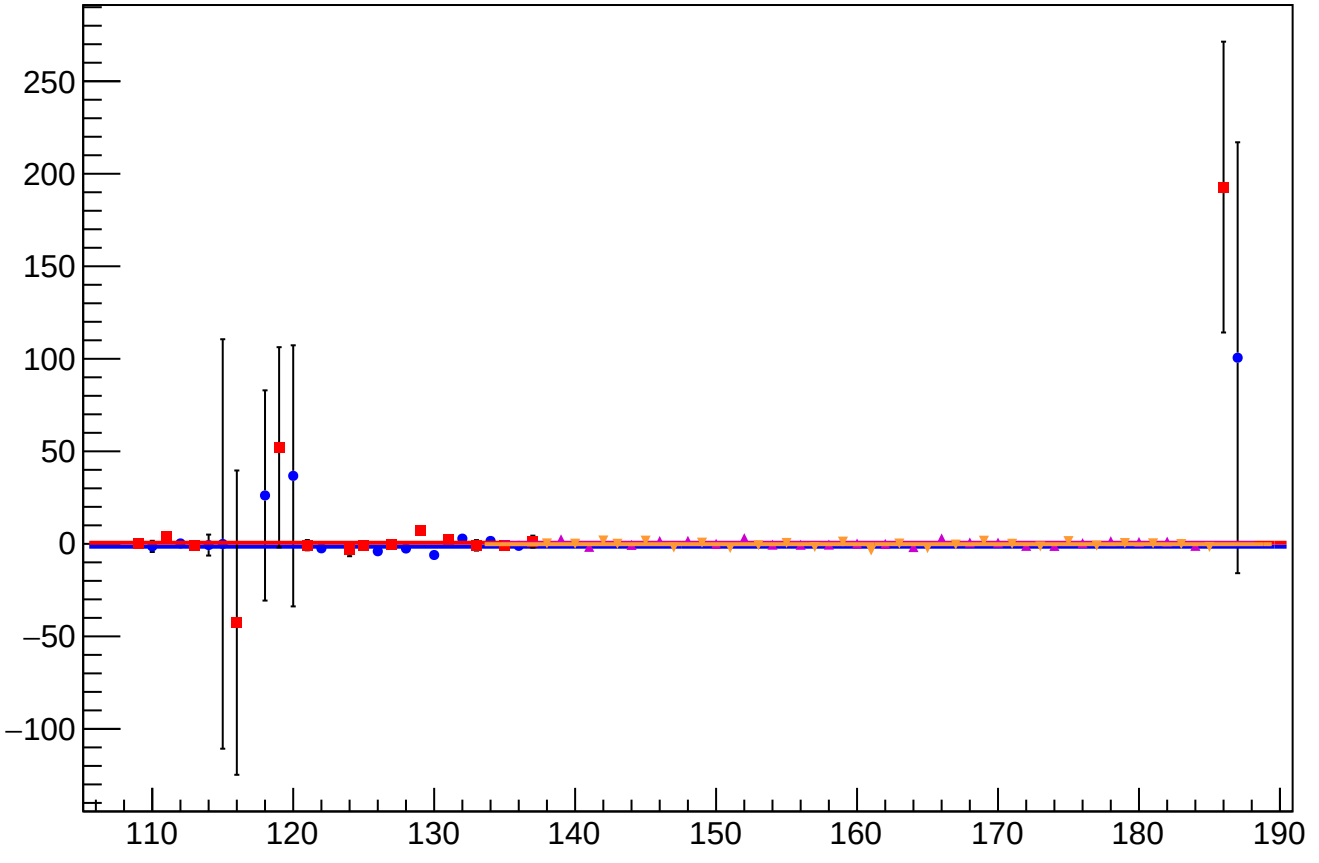
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 4028.002+/-0.562 χ^2/NDF: 1760073.7/41

All: 4037.800+/-0.401 χ^2/NDF: 3837926.1/84

- sign 4047.948+/-0.572 χ^2/NDF: 2077233.2/42

diff_bpm1p02bX_mean vs Slug



Right In: -1.532+/-0.733 χ^2/NDF: 11.9/13

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.604+/-0.717 χ^2/NDF: 18.7/14

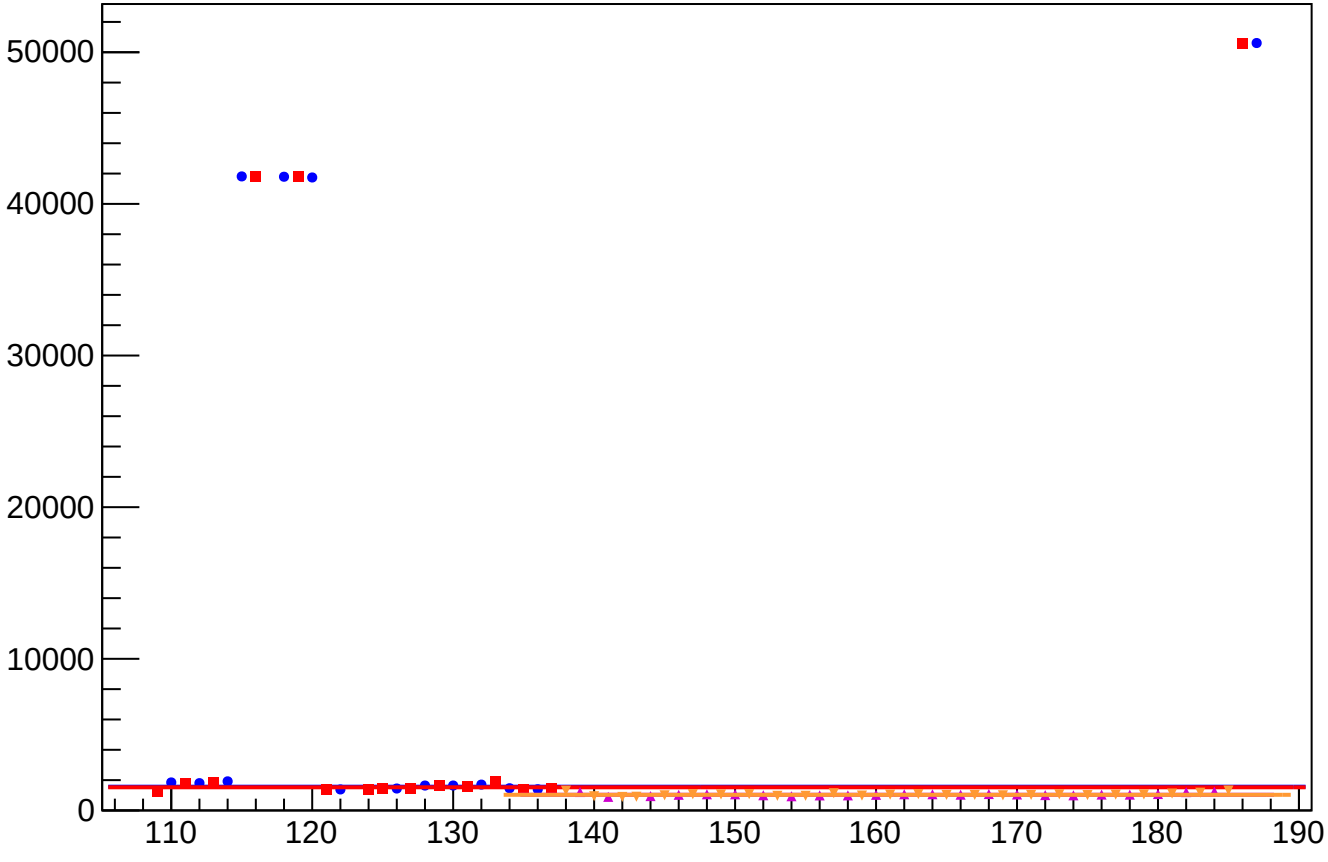
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.326+/-0.224 χ^2/NDF: 48.8/38

All: 0.010+/-0.160 χ^2/NDF: 101.6/76

- sign 0.361+/-0.229 χ^2/NDF: 48.2/37

diff_bpm1p02bX_rms vs Slug



Right In: 1566.250+/-0.518 χ^2/NDF: 2371861.5/13

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1527.761+/-0.507 χ^2/NDF: 2518168.1/14

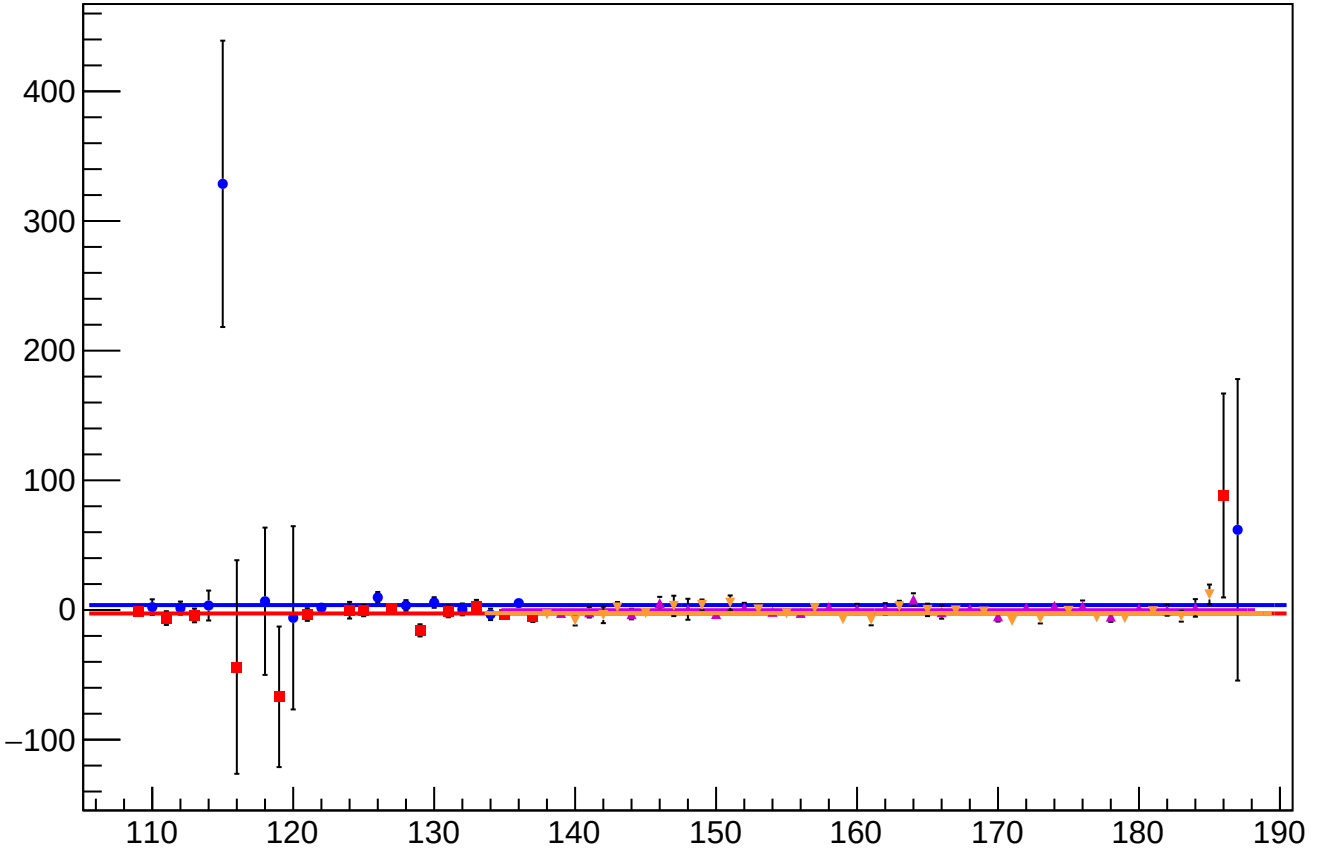
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1081.547+/-0.159 χ^2/NDF: 3581621.5/38

All: 1082.449+/-0.113 χ^2/NDF: 7142656.5/76

- sign 1083.394+/-0.162 χ^2/NDF: 3560968.7/37

diff_bpm1p02bY_mean vs Slug



Right In: 3.783+/-1.248 χ^2/NDF: 15.4/13

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -2.687+/-1.211 χ^2/NDF: 15.0/14

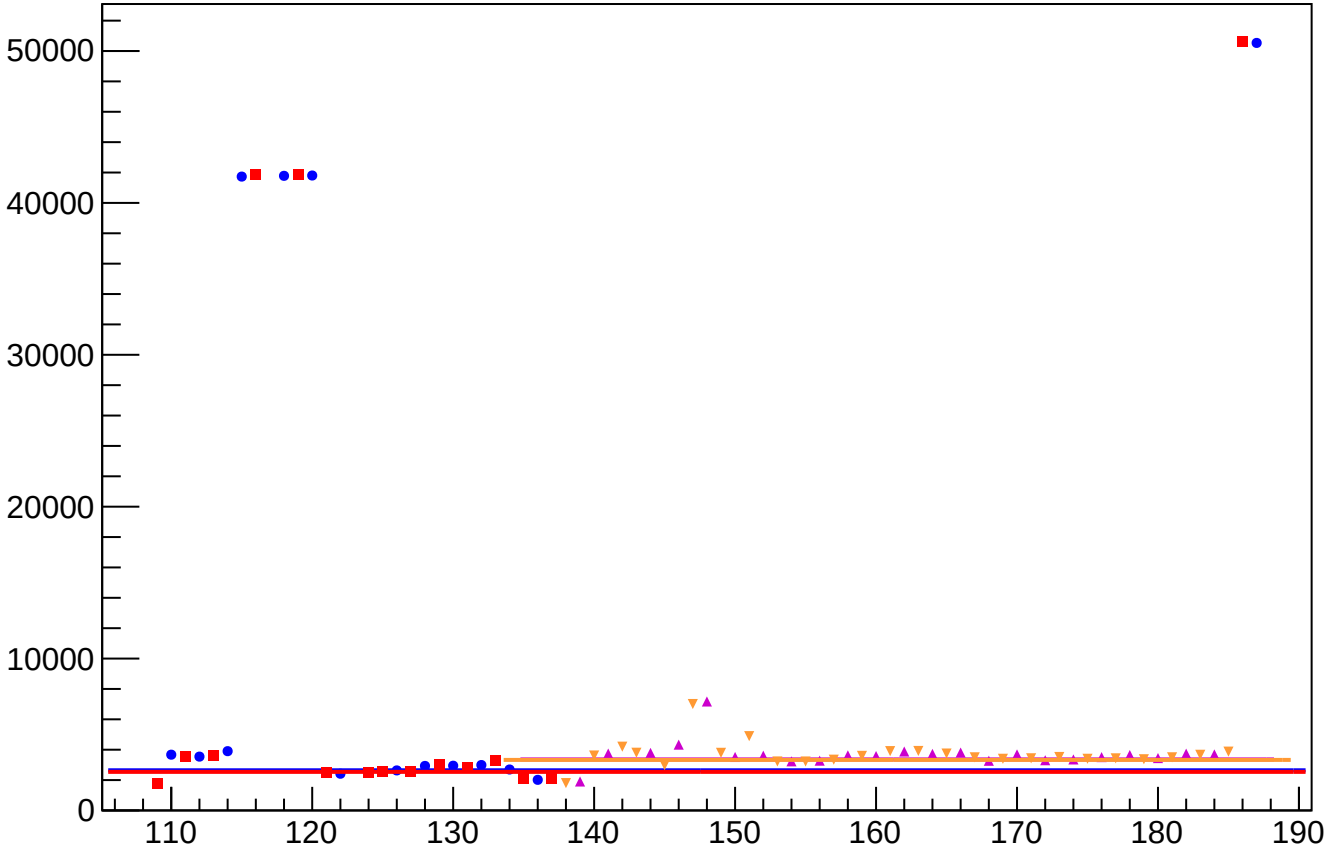
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.643+/-0.663 χ^2/NDF: 57.2/38

All: -0.793+/-0.472 χ^2/NDF: 87.9/76

- sign -0.949+/-0.673 χ^2/NDF: 30.6/37

diff_bpm1p02bY_rms vs Slug



Right In: 2645.465+/-0.883 χ^2/NDF: 2512785.4/13

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2540.410+/-0.856 χ^2/NDF: 2696795.3/14

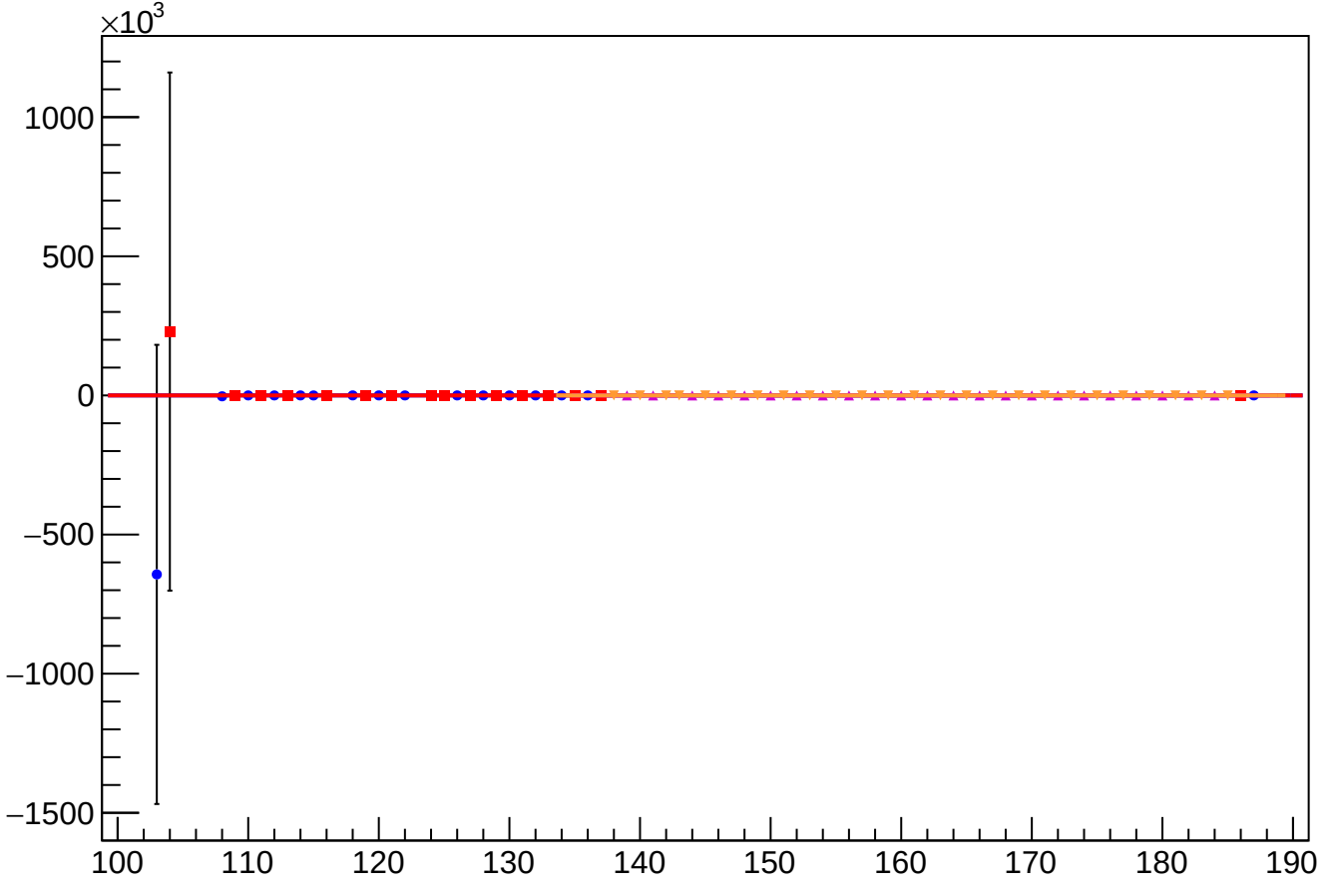
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 3135.775+/-0.469 χ^2/NDF: 4858072.8/38

All: 3121.767+/-0.334 χ^2/NDF: 9840577.2/76

- sign 3107.323+/-0.476 χ^2/NDF: 4980689.8/37

diff_bpm1p03aX_mean vs Slug



Right In: -1.212+/-1.125 χ^2/NDF: 18.8/15

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.633+/-1.211 χ^2/NDF: 19.0/15

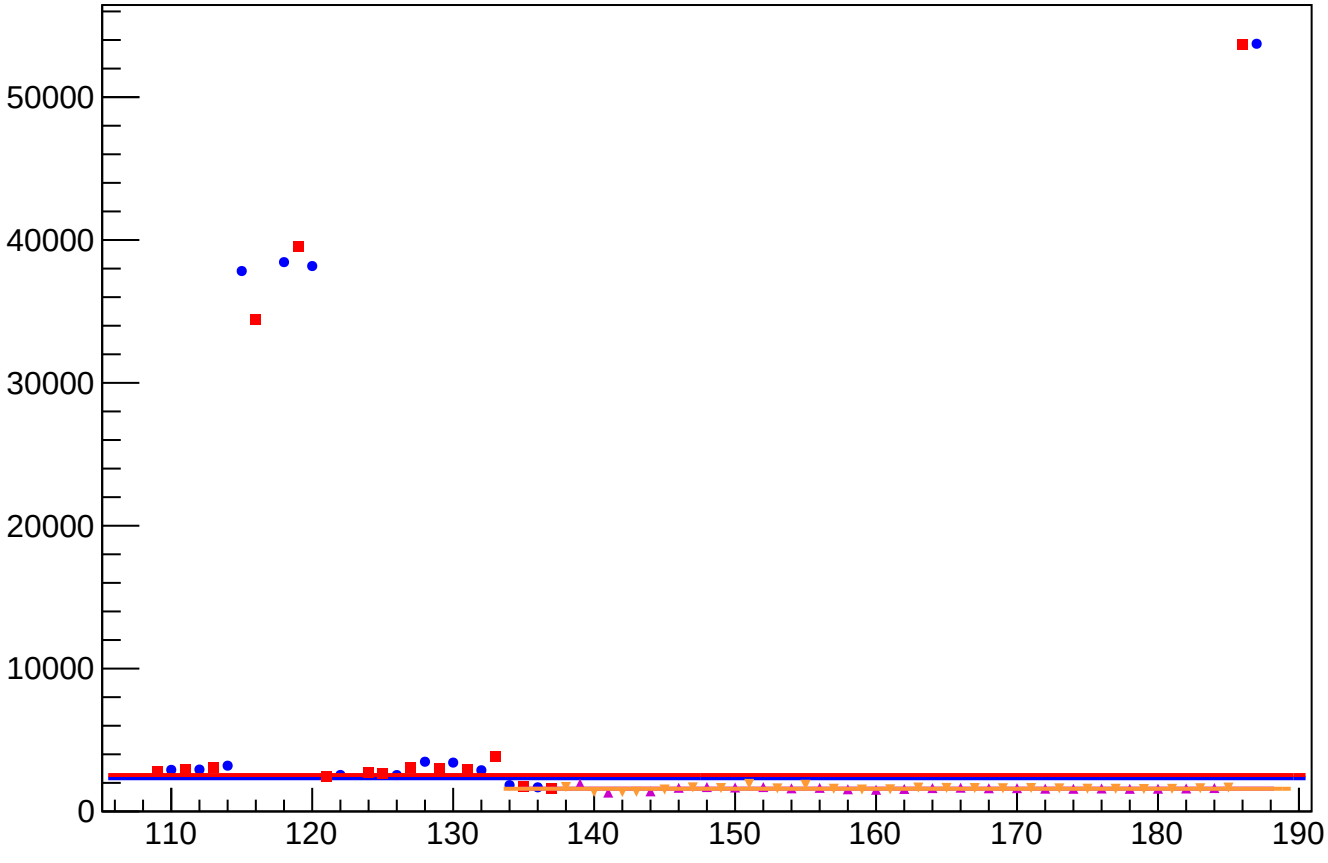
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.539+/-0.345 χ^2/NDF: 69.2/40

All: -0.900+/-0.248 χ^2/NDF: 127.0/79

- sign -0.214+/-0.358 χ^2/NDF: 50.7/38

diff_bpm1p03aX_rms vs Slug



Right In: 2324.705+/-0.796 χ^2/NDF: 2807360.9/13

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2548.389+/-0.856 χ^2/NDF: 2789287.7/14

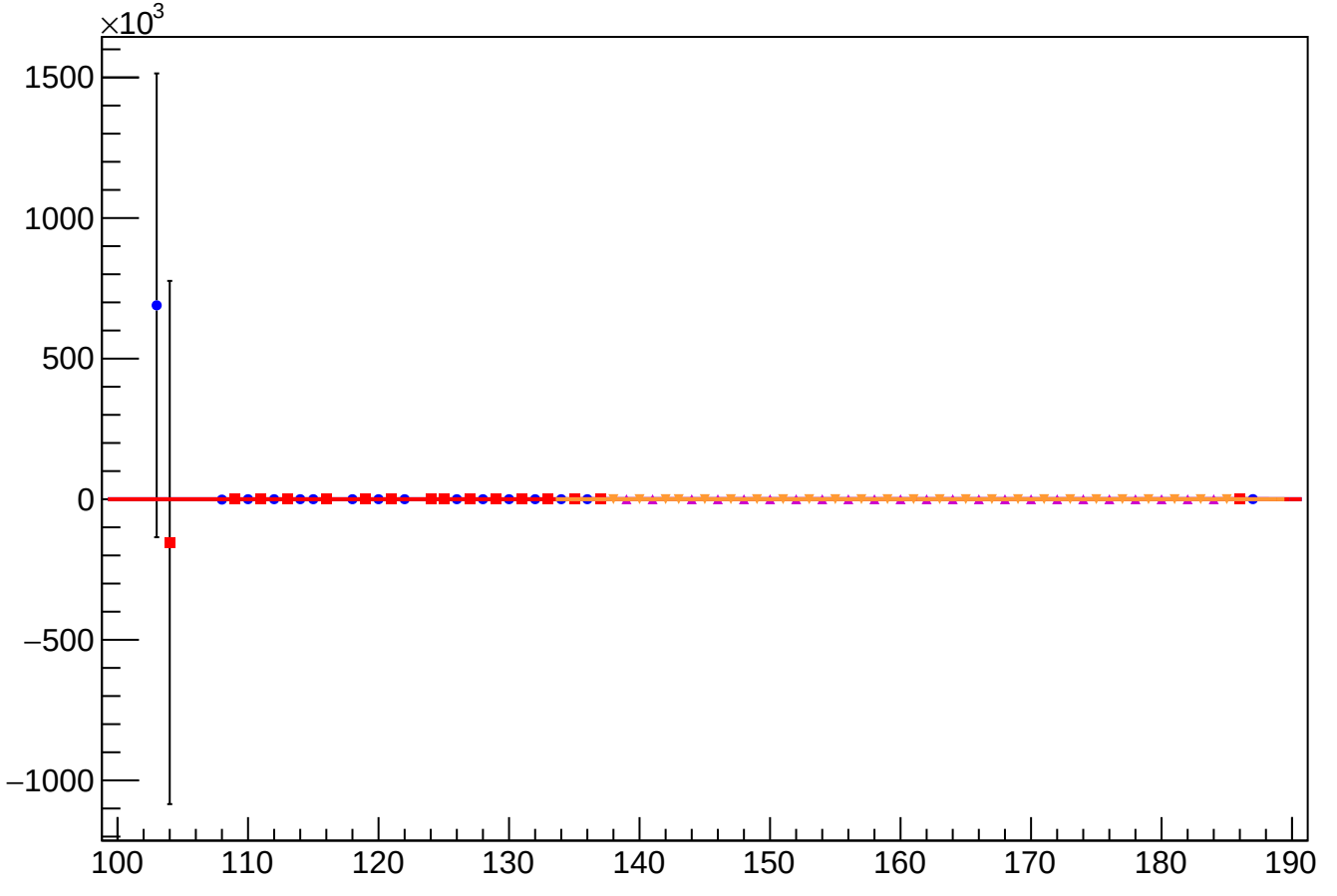
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1658.758+/-0.244 χ^2/NDF: 3813281.3/38

All: 1668.655+/-0.176 χ^2/NDF: 7931432.6/76

- sign 1679.273+/-0.253 χ^2/NDF: 4114747.1/37

diff_bpm1p03aY_mean vs Slug



Right In: 1.726+/-1.076 χ^2/NDF: 9.1/15

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -1.883+/-1.052 χ^2/NDF: 15.9/15

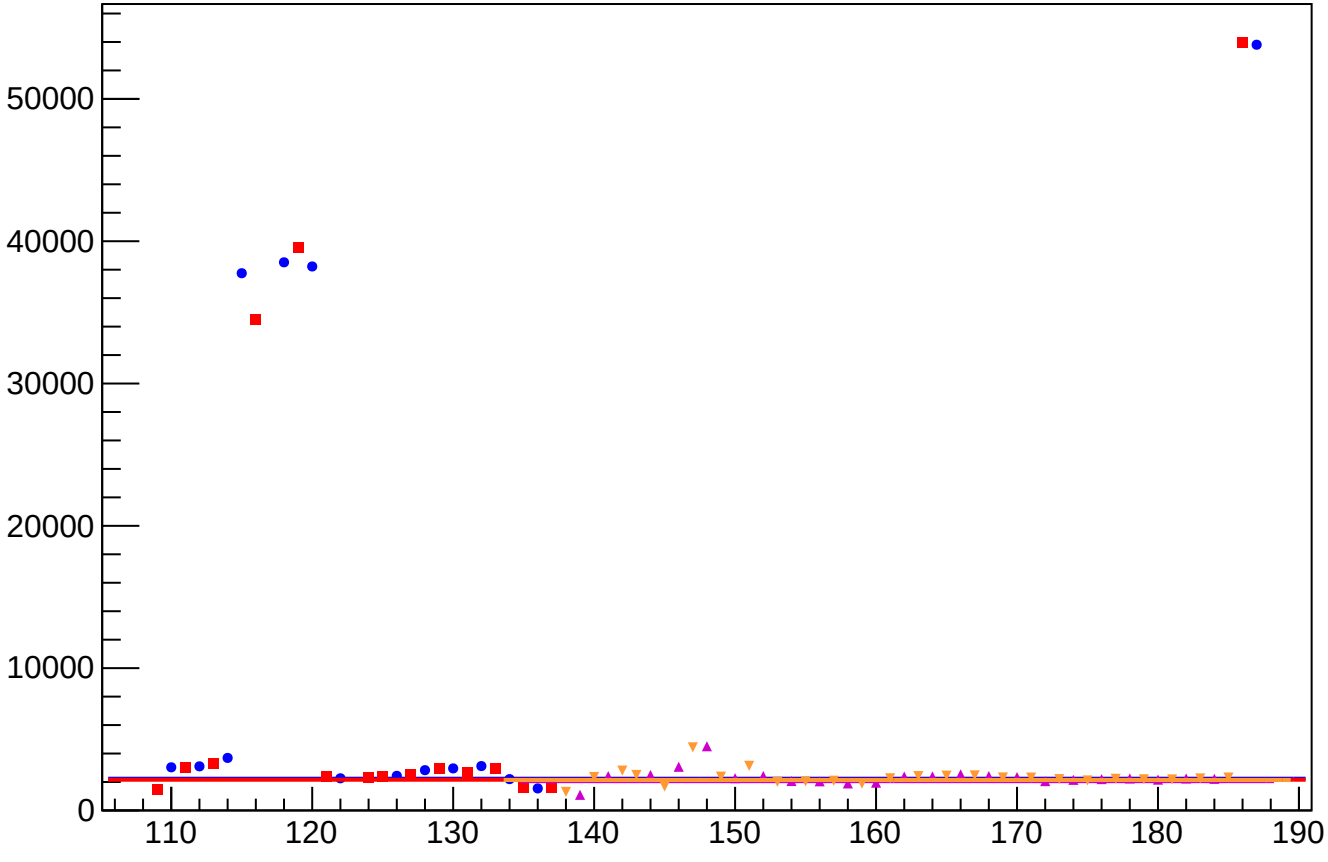
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.659+/-0.455 χ^2/NDF: 39.4/40

All: -0.452+/-0.321 χ^2/NDF: 75.6/79

- sign -0.247+/-0.452 χ^2/NDF: 35.7/38

diff_bpm1p03aY_rms vs Slug



Right In: 2230.844+/-0.761 χ^2/NDF: 2869499.1/13

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

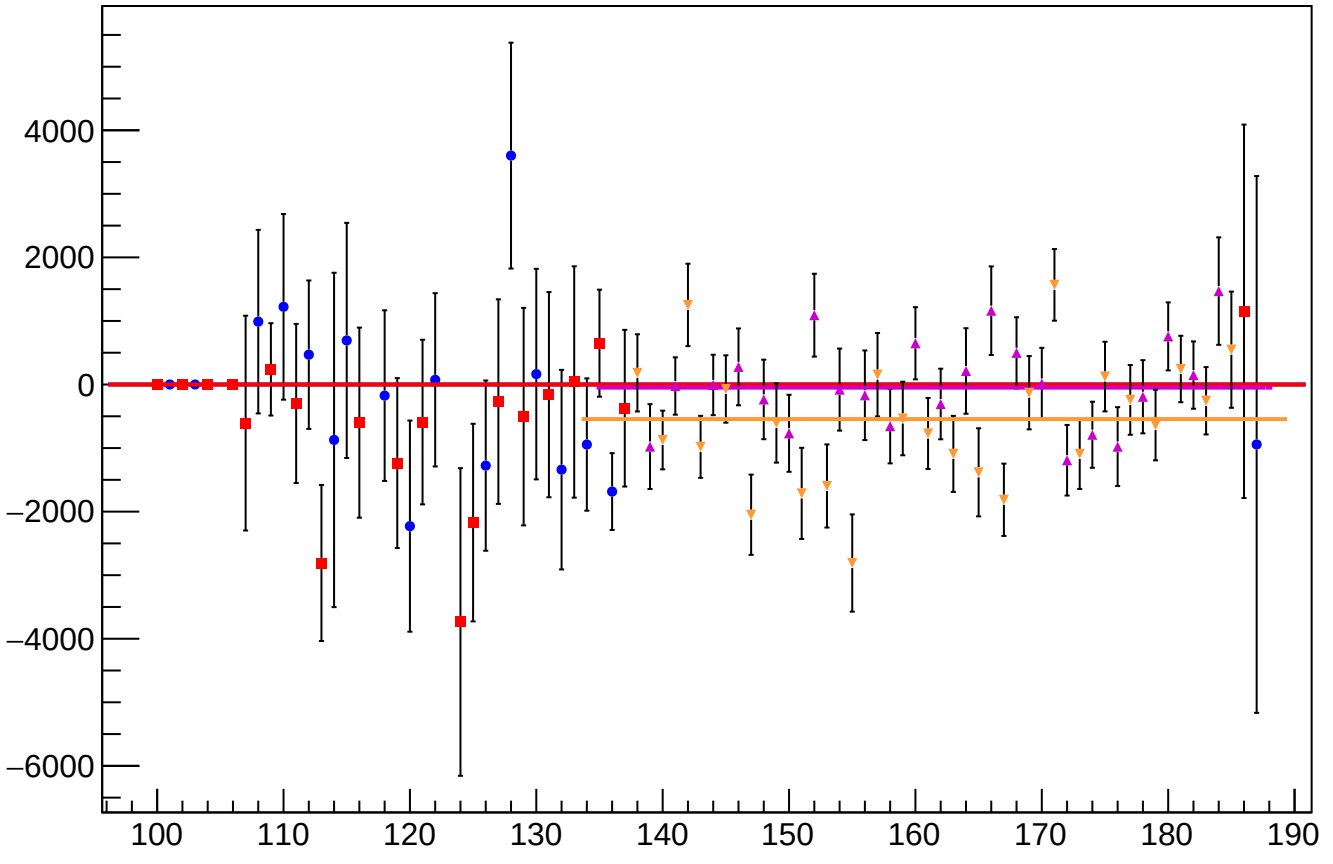
Right Out: 2158.985+/-0.744 χ^2/NDF: 2994256.5/14

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 2155.638+/-0.322 χ^2/NDF: 4361391.6/38

All: 2116.010+/-0.227 χ^2/NDF: 9694328.3/76

- sign 2076.871+/-0.320 χ^2/NDF: 5302821.6/37



Right In: 0.255+/-0.356 χ^2/NDF: 17.8/16

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.096+/-0.328 χ^2/NDF: 15.6/19

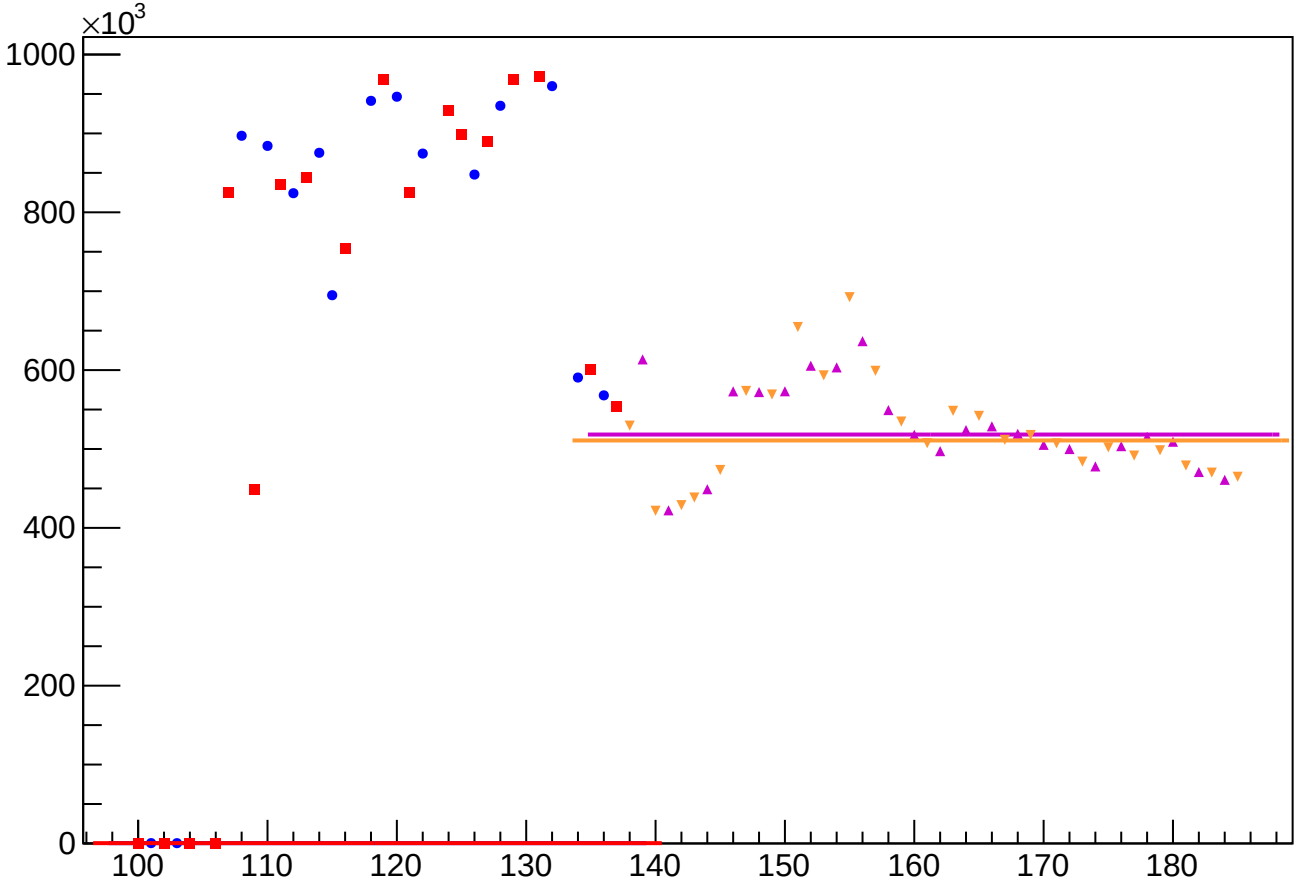
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 100.3/41

All: 0.167+/-0.241 χ^2/NDF: 144.1/84

- sign 0.096+/-0.328 χ^2/NDF: 43.7/42

diff_cav4bX_rms vs Slug



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

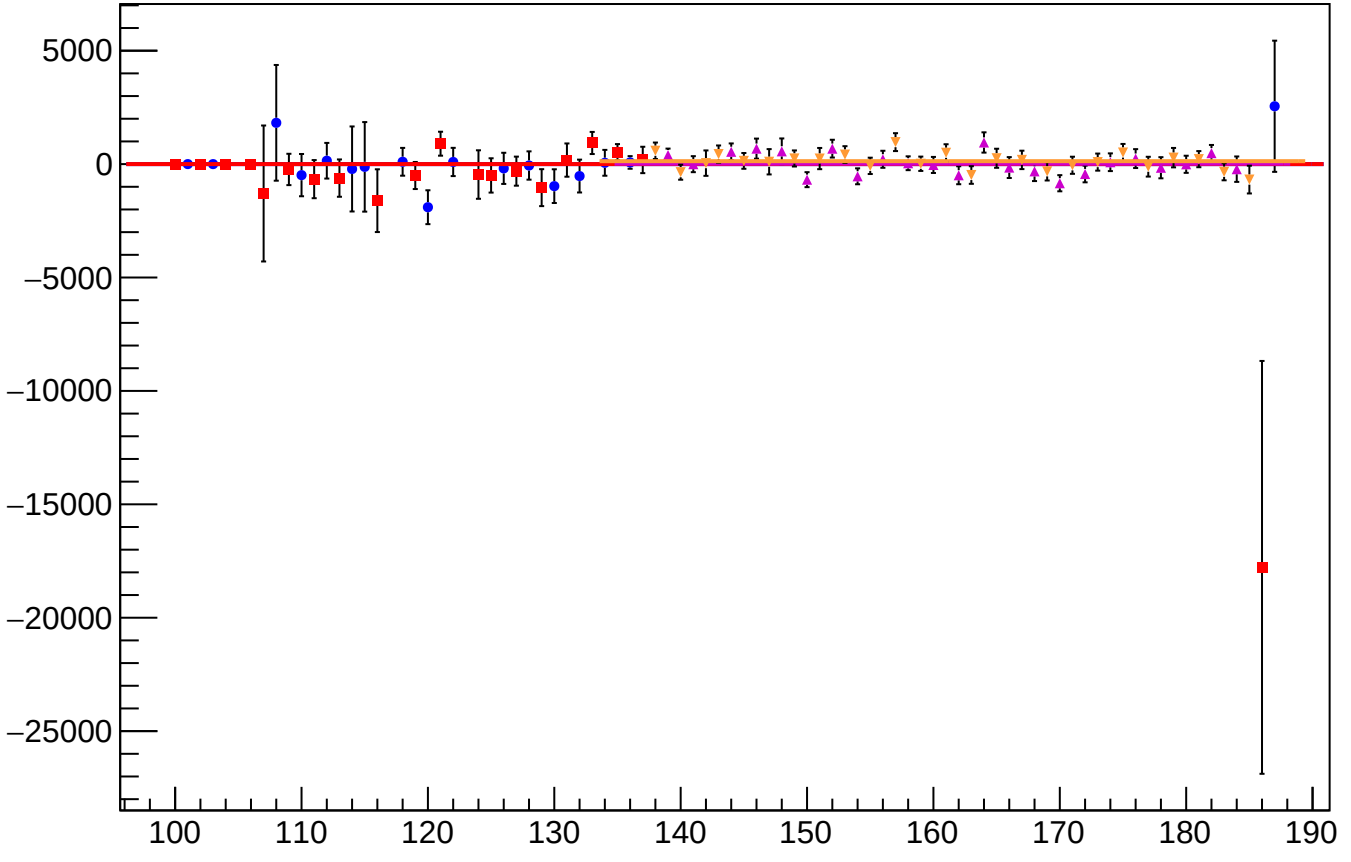
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.585+/-0.251 χ^2/NDF: 46963659.1/39

All: 400.015+/-0.170 χ^2/NDF: 91096408.7/80

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40

diff_cav4bY_mean vs Slug



Right In: -0.020+/-0.347 χ^2/NDF: 11.2/16

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

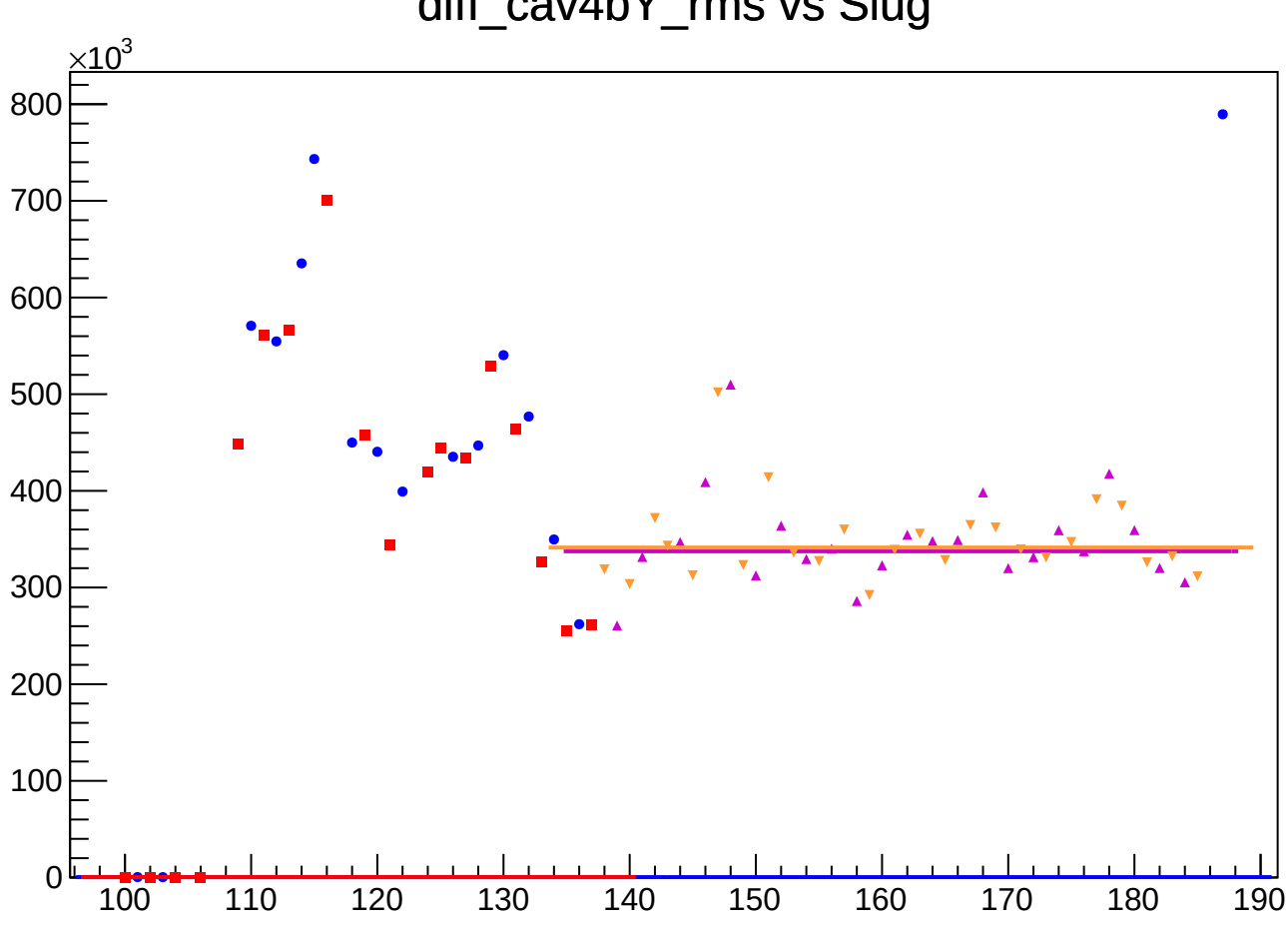
Right Out: 0.599+/-0.324 χ^2/NDF: 18.8/19

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.018+/-0.347 χ^2/NDF: 34.1/41

All: 0.312+/-0.237 χ^2/NDF: 88.3/84

- sign 0.599+/-0.324 χ^2/NDF: 52.6/42



Right In: 390.278+/-0.245 χ^2/NDF: 11168648.3/15

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

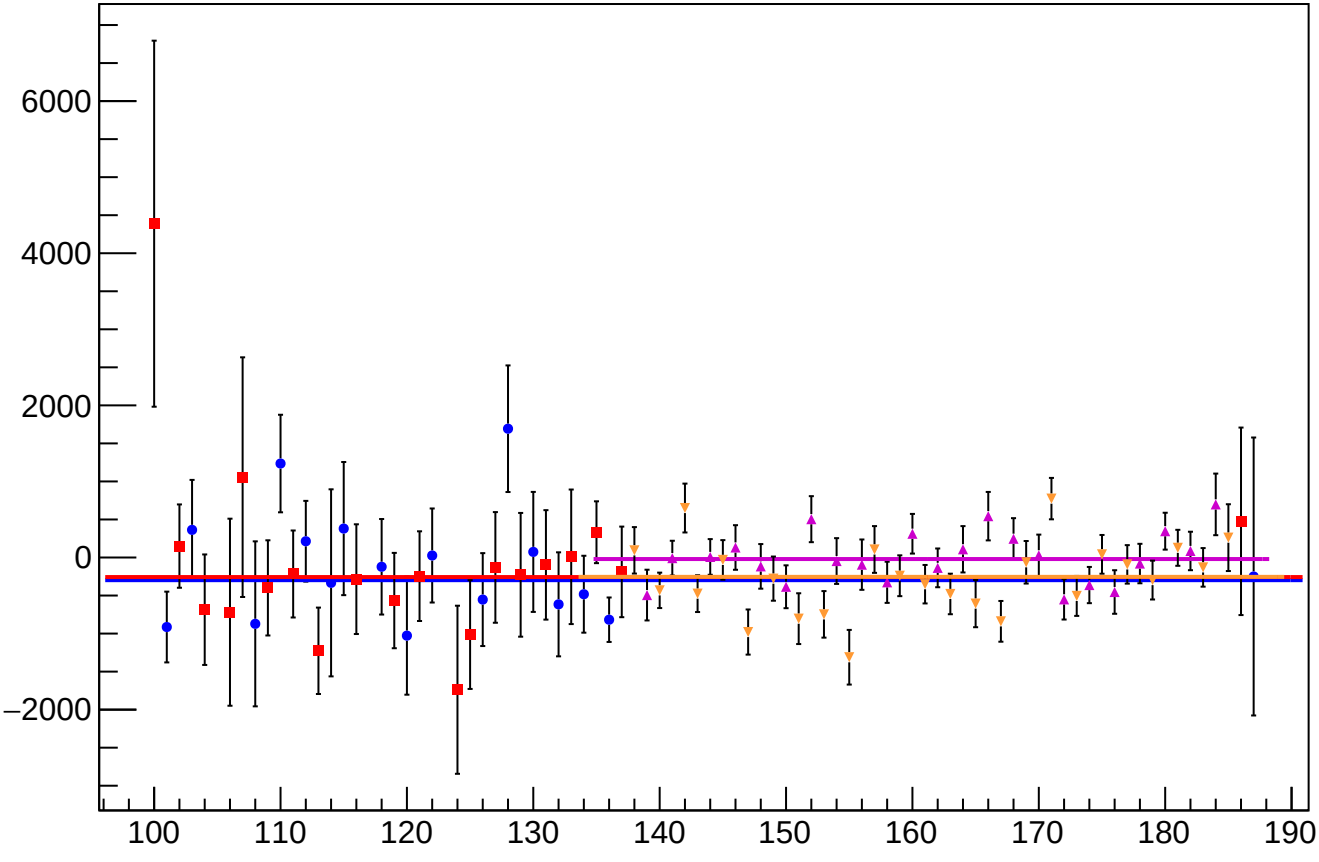
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 396.987+/-0.245 χ^2/NDF: 49539558.2/40

All: 395.143+/-0.167 χ^2/NDF: 96933160.1/81

- sign 393.539+/-0.229 χ^2/NDF: 47393496.3/40

diff_cav4cX_mean vs Slug



Right In: -297.948+/-146.890 χ^2/NDF: 21.2/16

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: -257.063+/-155.334 χ^2/NDF: 14.2/19

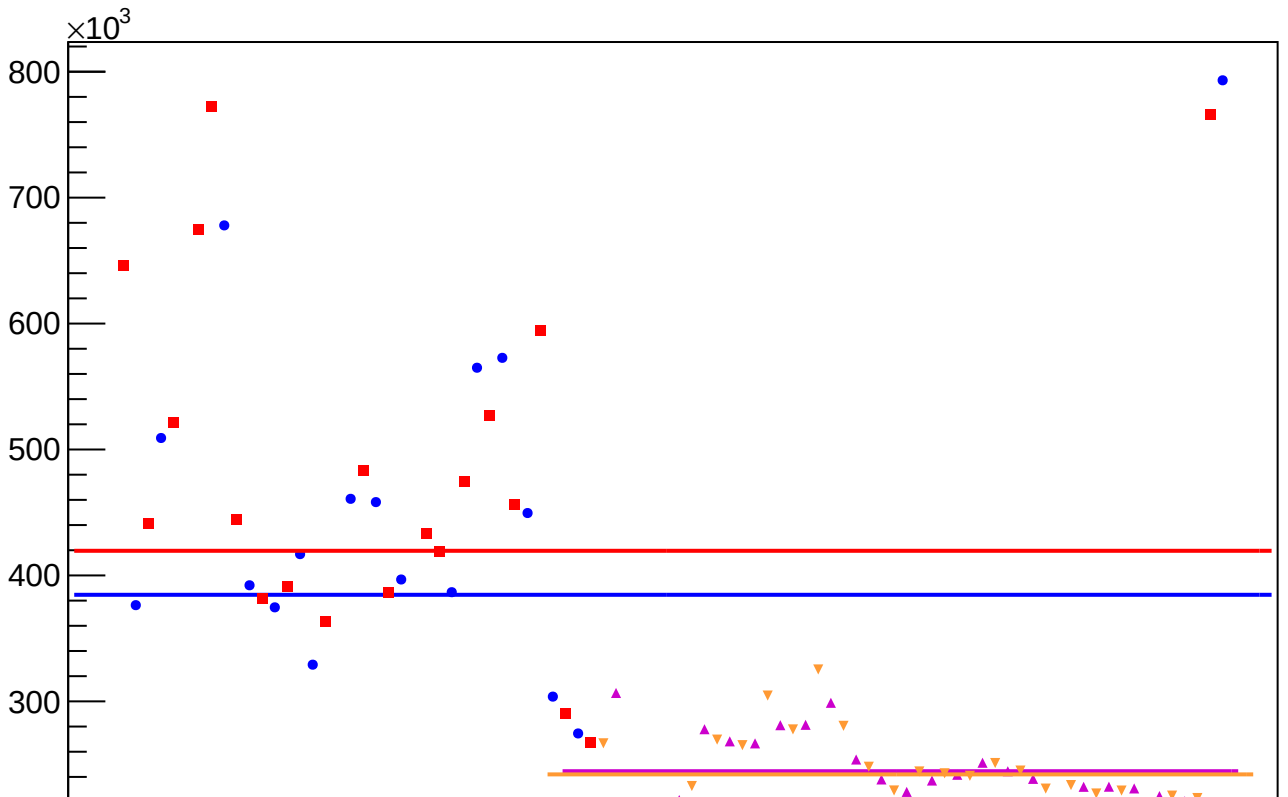
Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -259.801+/-51.850 χ^2/NDF: 82.5/41

All: -158.366+/-37.371 χ^2/NDF: 135.4/84

- sign -48.709+/-53.911 χ^2/NDF: 44.9/42

diff_cav4cX_rms vs Slug



Right In: 384619.360+/-103.886 χ^2/NDF: 937098.9/16

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 419562.794+/-109.928 χ^2/NDF: 908583.3/19

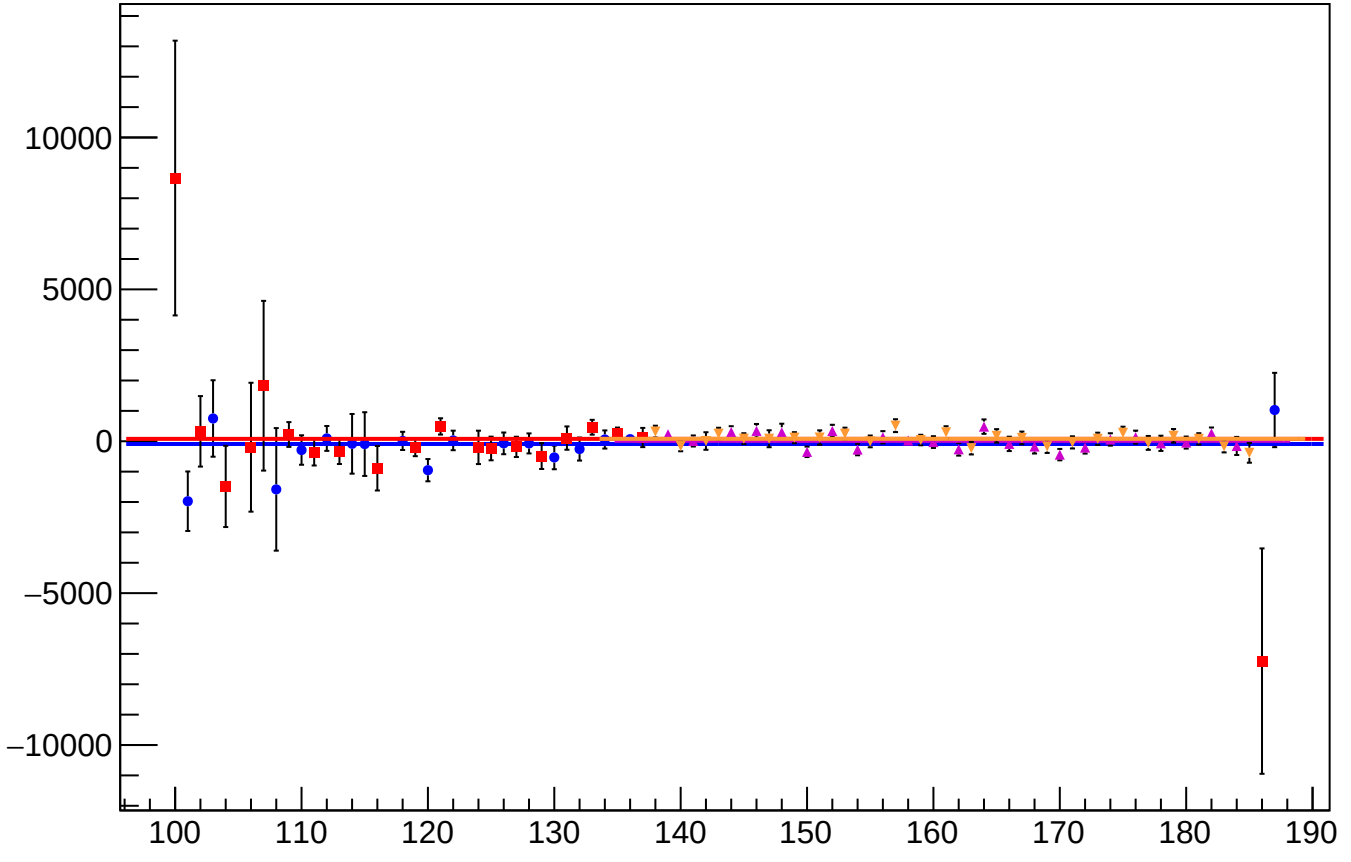
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 259772.340+/-36.664 χ^2/NDF: 3000088.6/41

All: 262569.527+/-26.427 χ^2/NDF: 6512308.

- sign 265593.920+/-38.124 χ^2/NDF: 3500106.0/42

diff_cav4cY_mean vs Slug



Right In: -90.026+/-88.038 χ^2/NDF: 14.5/16

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 78.697+/-87.292 χ^2/NDF: 23.0/19

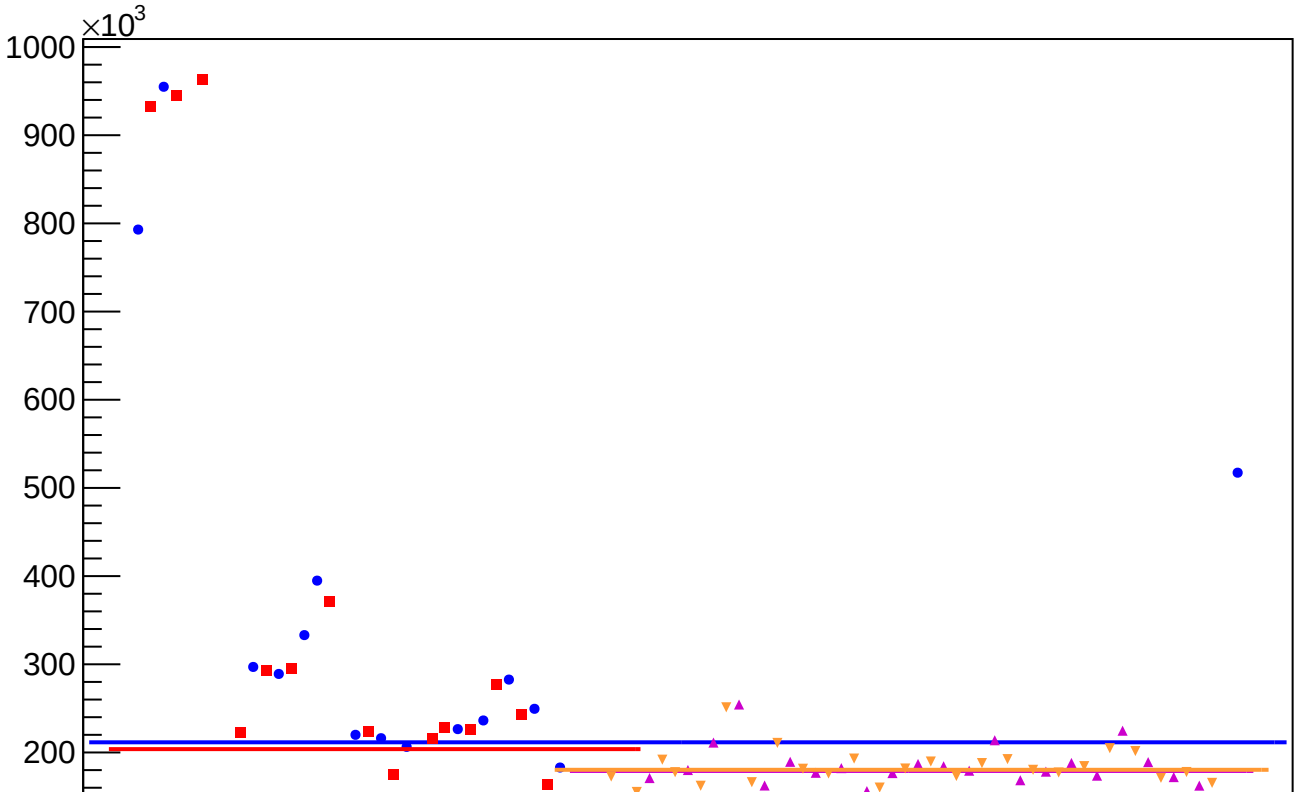
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

\+ sign 48.917+/-37.391 χ^2/NDF: 37.3/41

All: 37.795+/-26.658 χ^2/NDF: 94.1/84

\- sign 26.297+/-38.017 χ^2/NDF: 56.6/42

diff_cav4cY_rms vs Slug



Right In: 211526.441+/-62.360 χ^2/NDF: 2085481.4/15

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

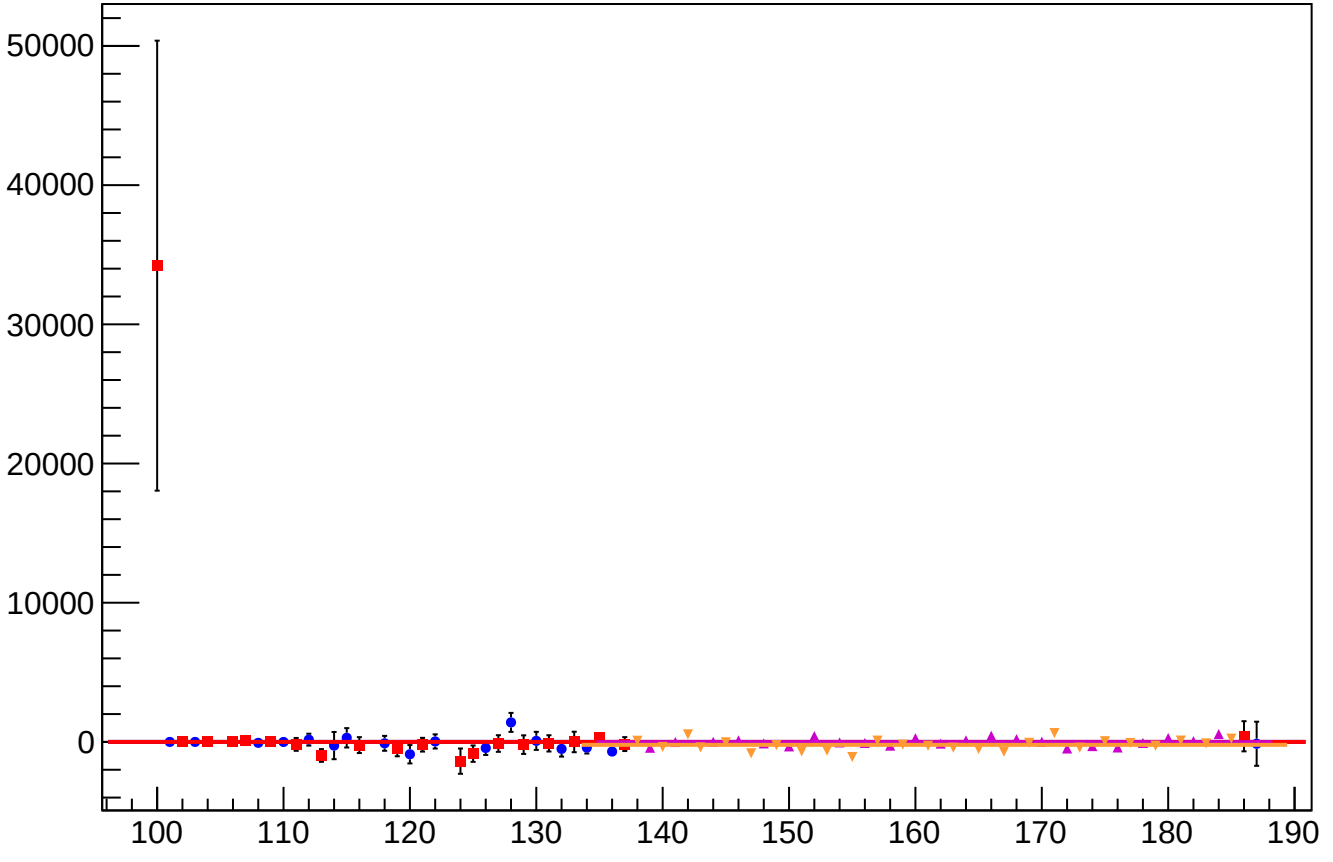
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 185951.801+/-26.447 χ^2/NDF: 2637157.8/40

All: 184845.577+/-18.858 χ^2/NDF: 5342500.

- sign 183701.478+/-26.896 χ^2/NDF: 2701784.1/39

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/16

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.355+/-0.160 χ^2/NDF: 16.6/19

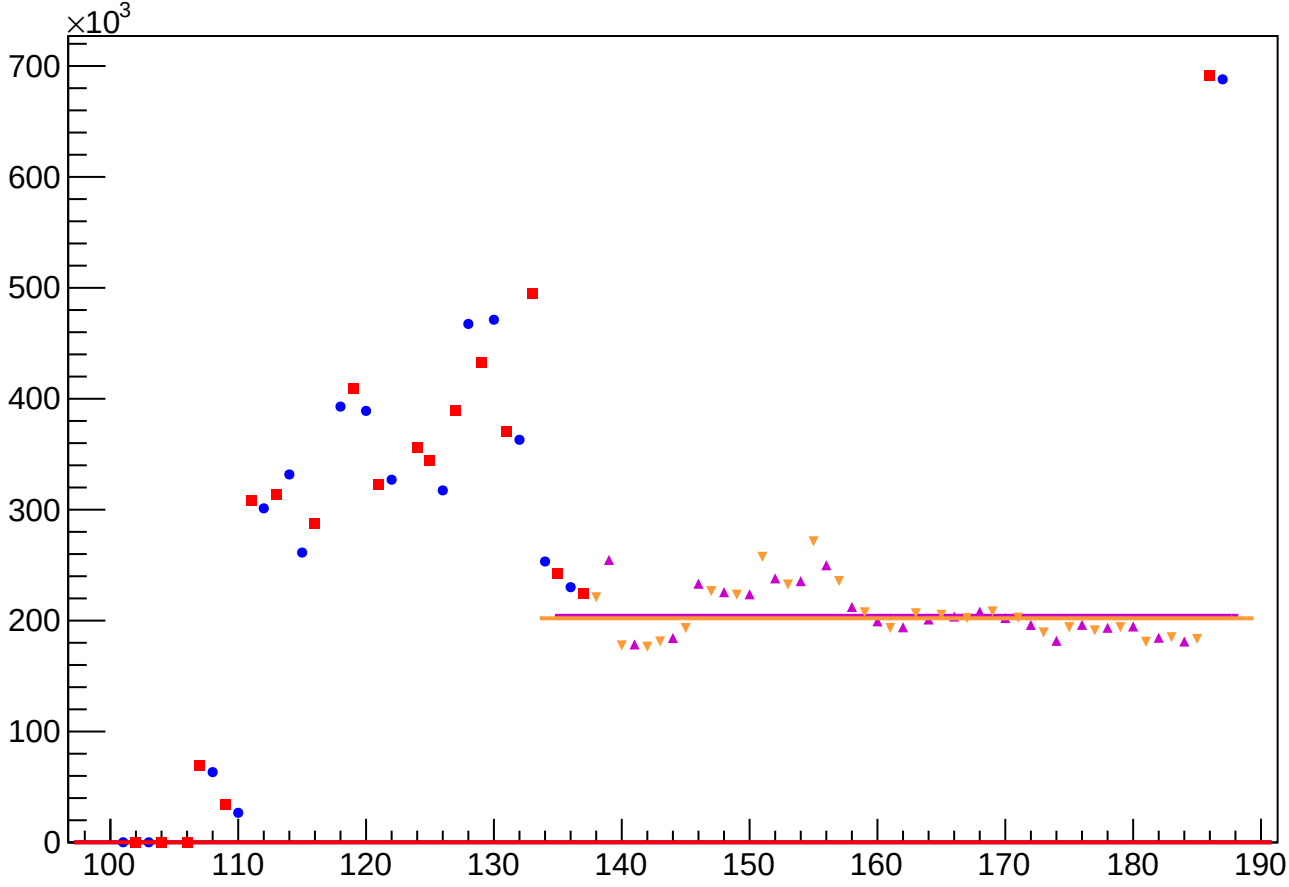
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 99.9/41

All: -0.208+/-0.117 χ^2/NDF: 147.1/84

- sign -0.355+/-0.160 χ^2/NDF: 45.4/42

diff_cav4dX_rms vs Slug



Right In: 149.100+/-0.122 χ^2/NDF: 11678889.8/16

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.394+/-0.113 χ^2/NDF: 12104322.2/18

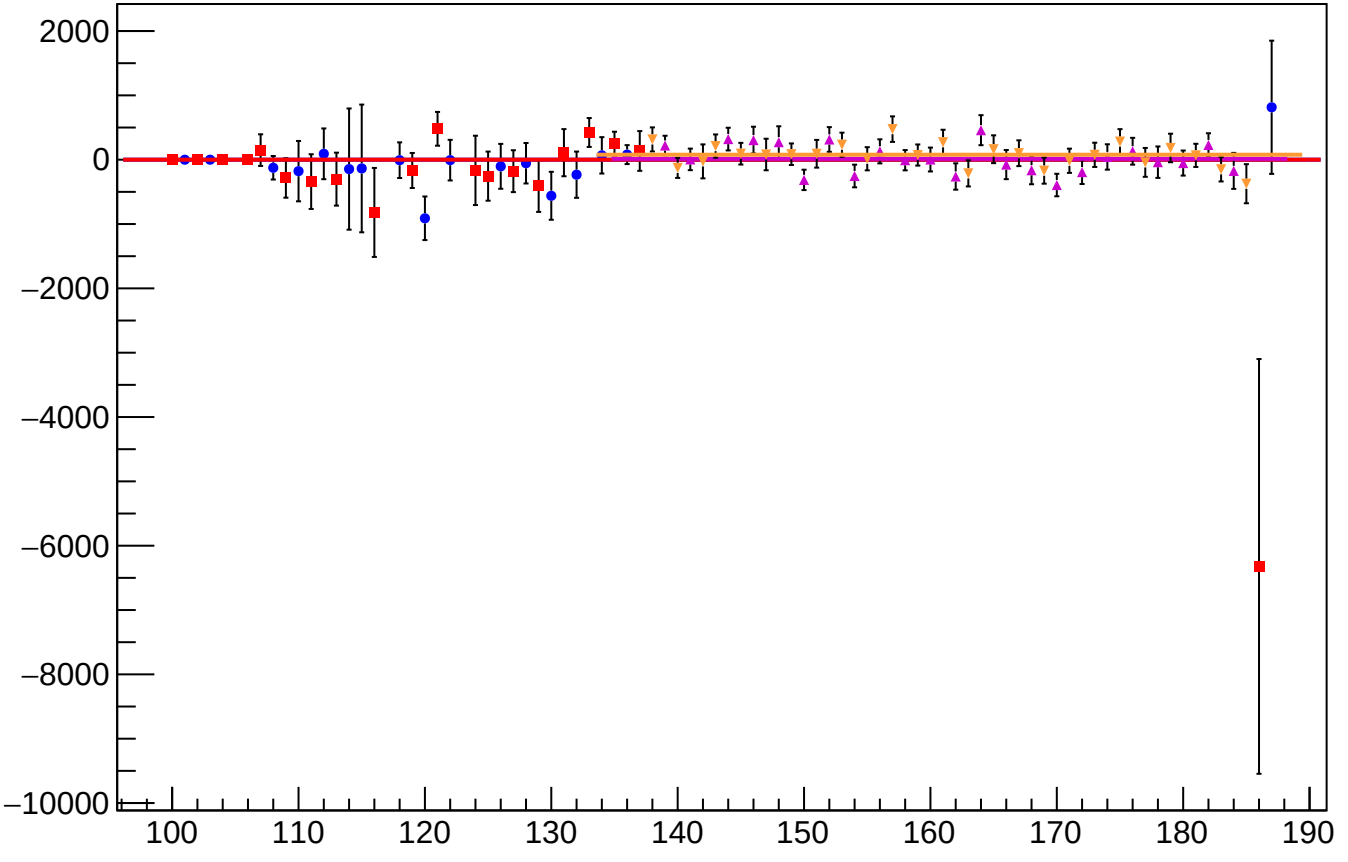
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 151.897+/-0.122 χ^2/NDF: 50174760.3/41

All: 151.771+/-0.083 χ^2/NDF: 98781860.7/83

- sign 151.663+/-0.113 χ^2/NDF: 48607098.5/41

diff_cav4dY_mean vs Slug



Right In: -0.068+/-0.177 χ^2/NDF: 11.8/16

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

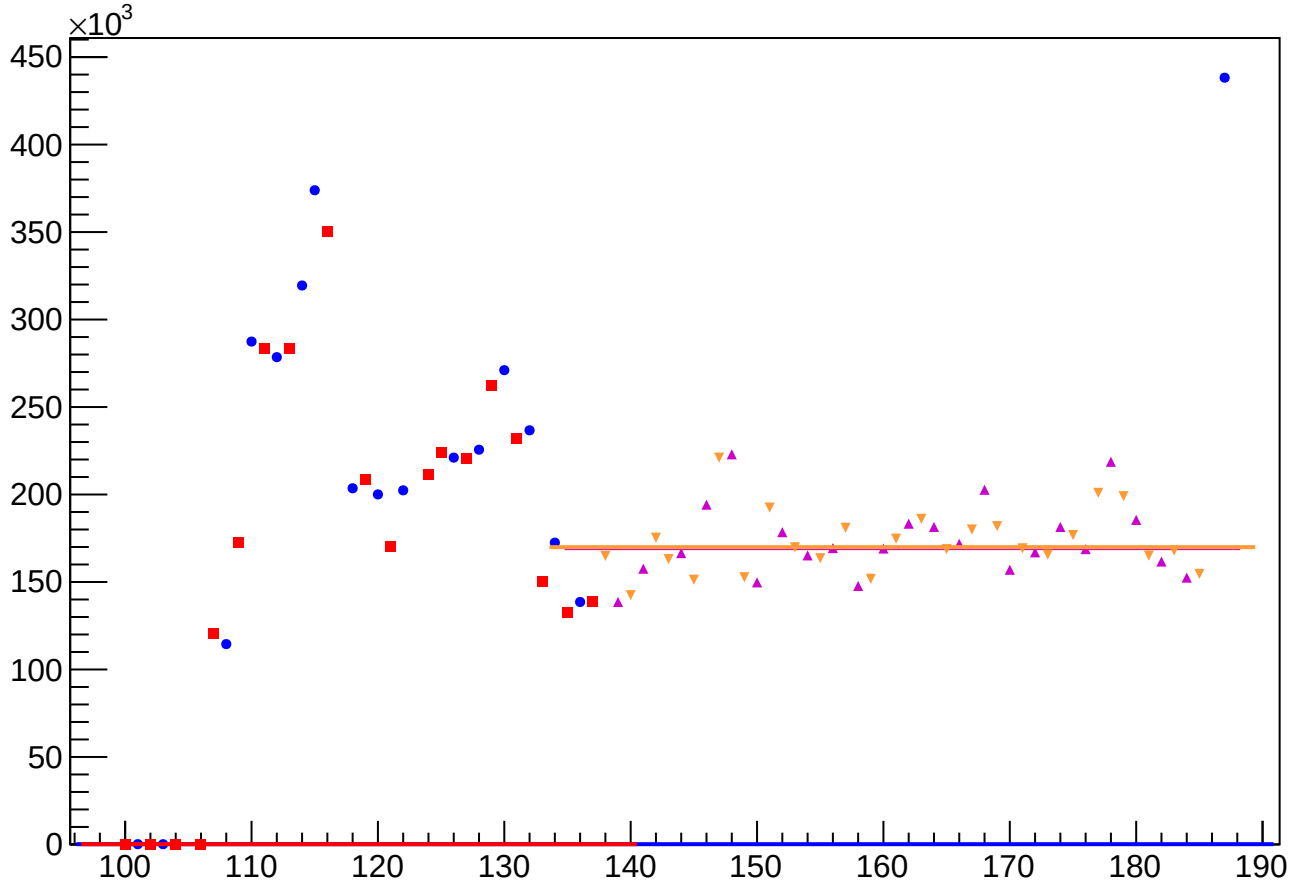
Right Out: 0.126+/-0.166 χ^2/NDF: 19.1/19

Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.066+/-0.177 χ^2/NDF: 34.9/41

All: 0.036+/-0.121 χ^2/NDF: 87.4/84

- sign 0.126+/-0.166 χ^2/NDF: 51.9/42



Right In: 153.473+/-0.125 χ^2/NDF: 12263003.9/16

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

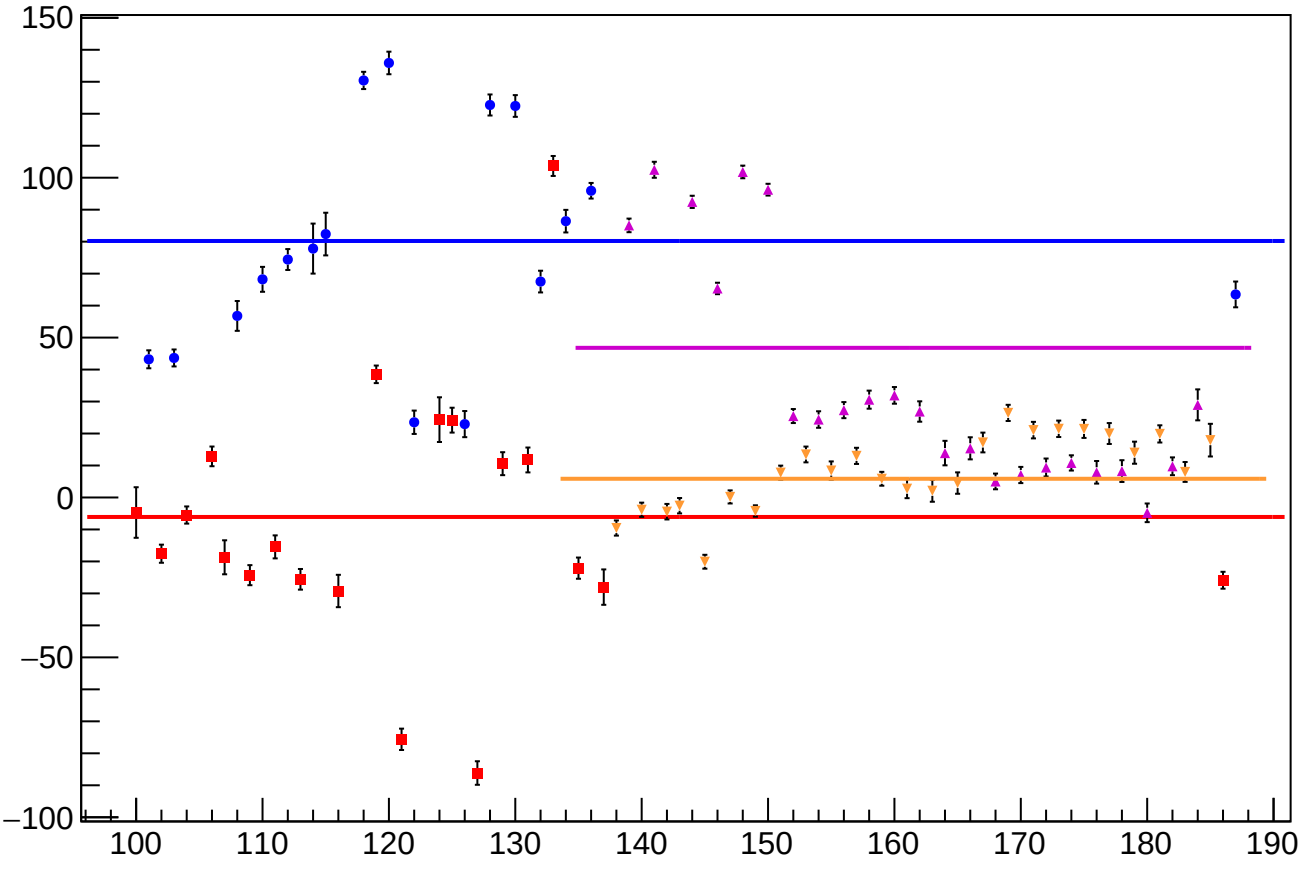
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 156.993+/-0.125 χ^2/NDF: 50675127.0/41

All: 158.112+/-0.086 χ^2/NDF: 98391176.7/83

- sign 159.099+/-0.118 χ^2/NDF: 47715899.7/41

diff_bpm0i01X_mean vs Slug



Right In: 80.209+/-0.833 χ^2/NDF: 1831.8/16

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -6.092+/-0.783 χ^2/NDF: 2781.3/19

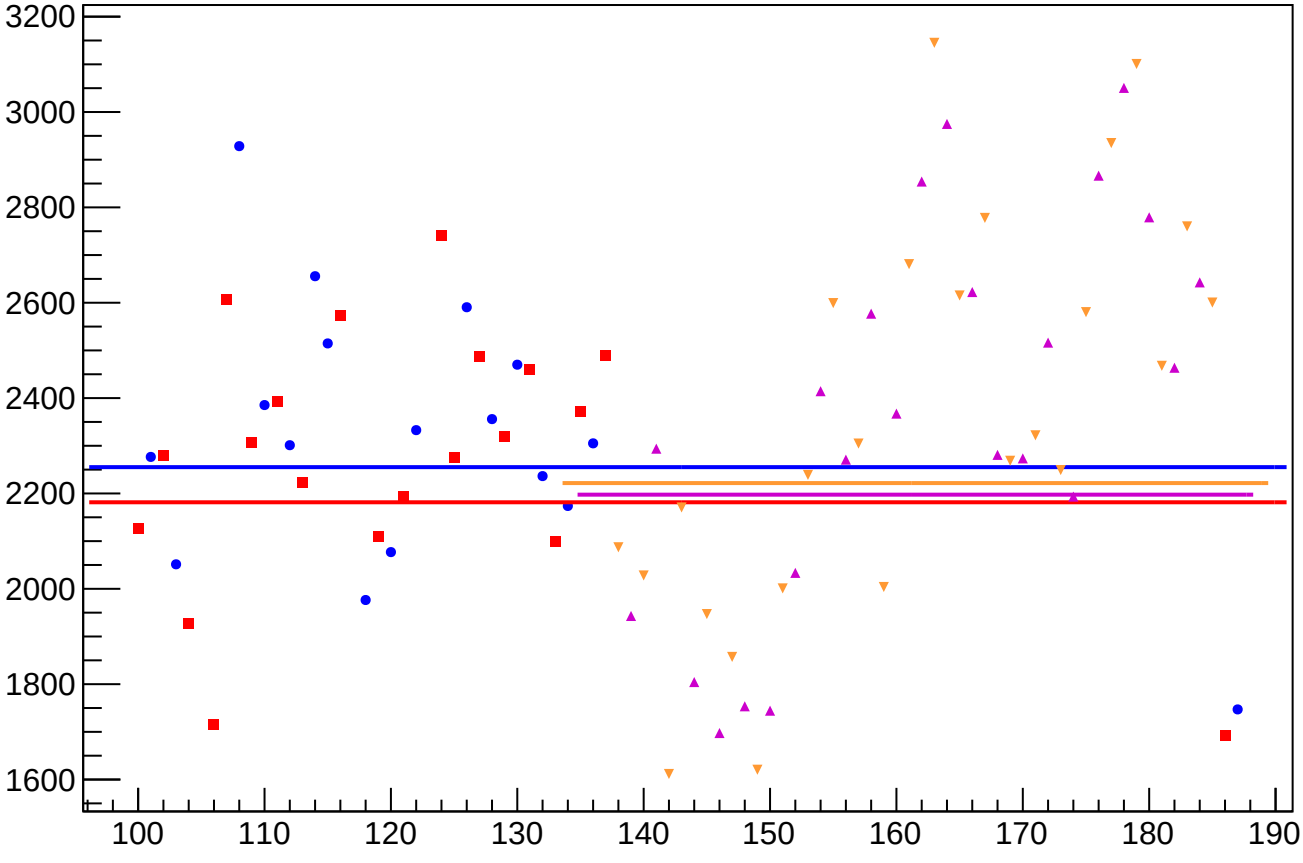
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 26.353+/-0.437 χ^2/NDF: 8137.5/41

All: 28.395+/-0.309 χ^2/NDF: 19285.9/84

\- sign 30.421+/-0.436 χ^2/NDF: 11105.0/42

diff_bpm0i01X_rms vs Slug



Right In: 2255.195+/-0.589 χ^2/NDF: 148970.5/16

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 2181.486+/-0.554 χ^2/NDF: 226434.1/19

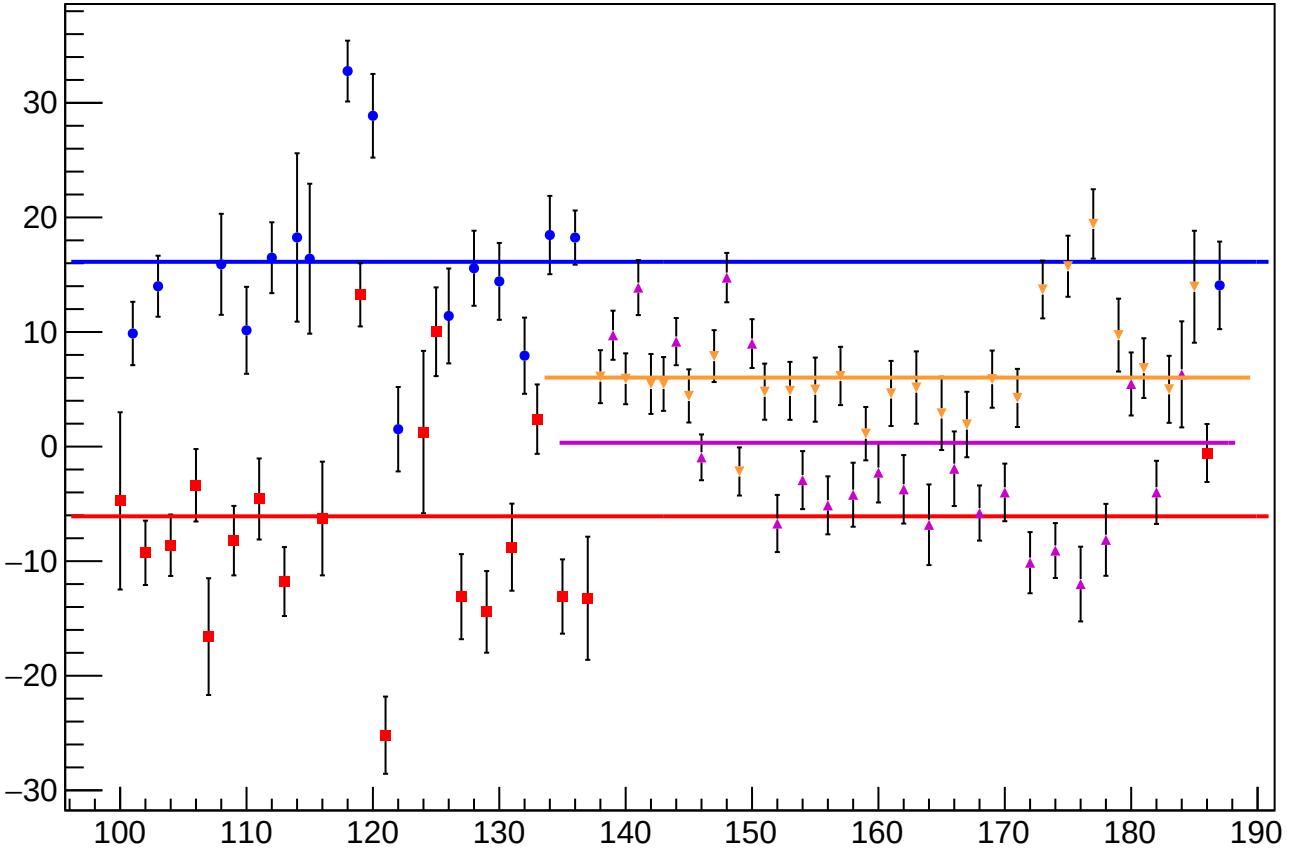
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2230.986+/-0.309 χ^2/NDF: 1335345.6/41

All: 2211.682+/-0.218 χ^2/NDF: 2674779.4/84

- sign 2192.522+/-0.308 χ^2/NDF: 1331672.7/42

diff_bpm0i01Y_mean vs Slug



Right In: 16.127+/-0.818 χ^2/NDF: 84.8/16

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

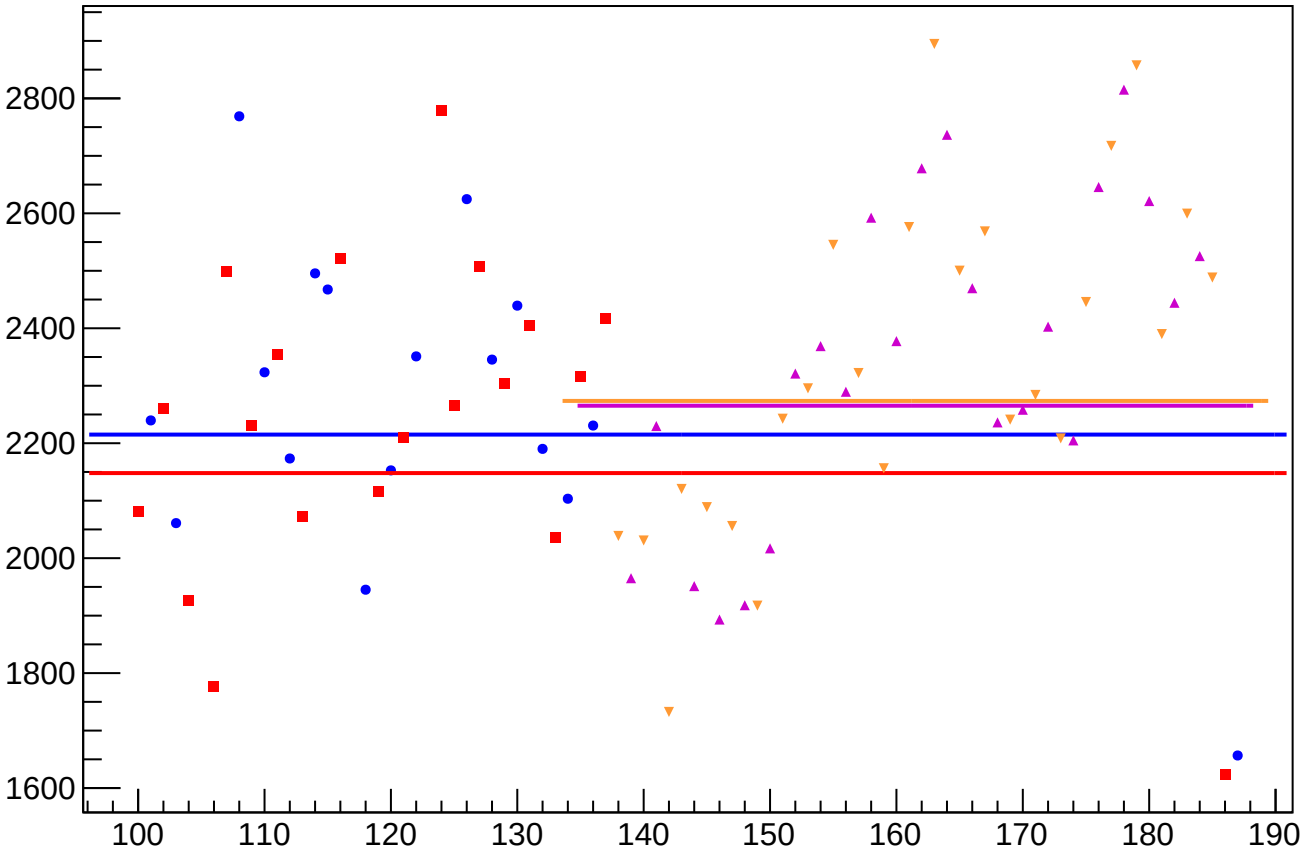
Right Out: -6.087+/-0.771 χ^2/NDF: 139.8/19

Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.936+/-0.439 χ^2/NDF: 265.1/41

All: 3.590+/-0.311 χ^2/NDF: 972.7/84

- sign -1.755+/-0.439 χ^2/NDF: 411.5/42



Right In: 2215.024+/-0.579 χ^2/NDF: 147015.9/16

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 2148.048+/-0.545 χ^2/NDF: 224744.7/19

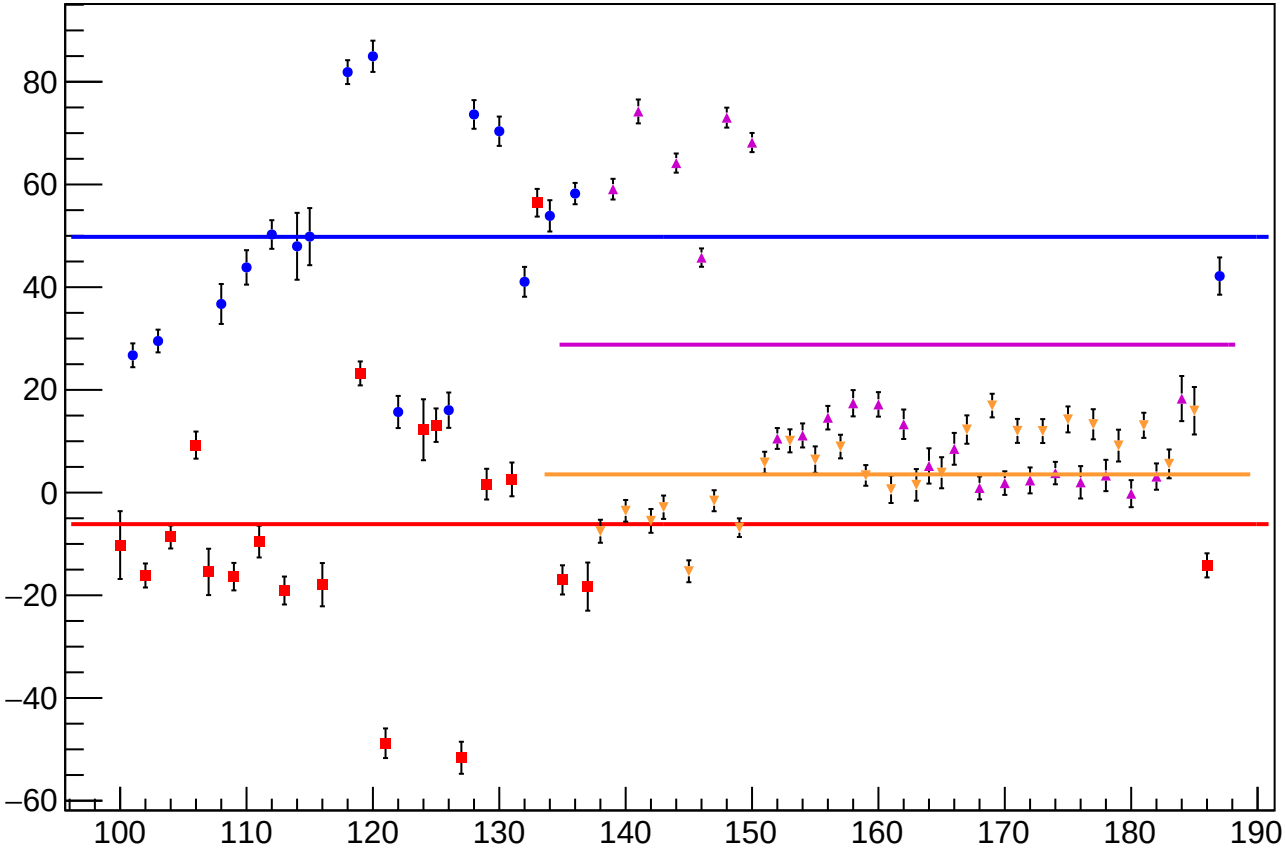
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 2256.717+/-0.311 χ^2/NDF: 691152.7/41

All: 2241.952+/-0.220 χ^2/NDF: 1447454.3/84

- sign 2227.193+/-0.311 χ^2/NDF: 751785.1/42

diff_bpm0i01aX_mean vs Slug



Right In: 49.800+/-0.708 χ^2/NDF: 893.1/16

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -6.145+/-0.666 χ^2/NDF: 1324.3/19

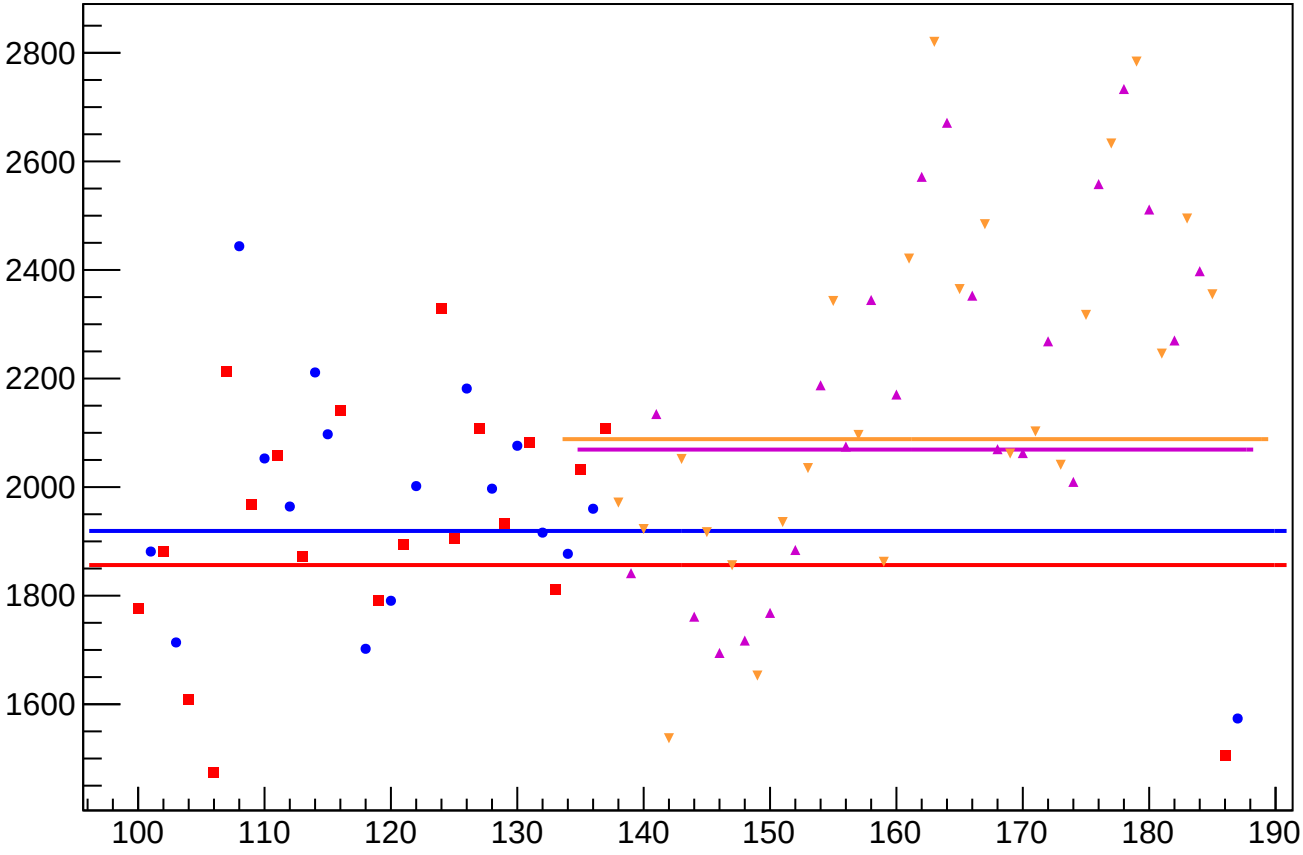
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 18.114+/-0.397 χ^2/NDF: 4134.8/41

All: 17.301+/-0.280 χ^2/NDF: 10515.1/84

- sign 16.497+/-0.395 χ^2/NDF: 6372.0/42

diff_bpm0i01aX_rms vs Slug



Right In: 1919.231+/-0.501 χ^2/NDF: 124802.1/16

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1856.409+/-0.471 χ^2/NDF: 198089.0/19

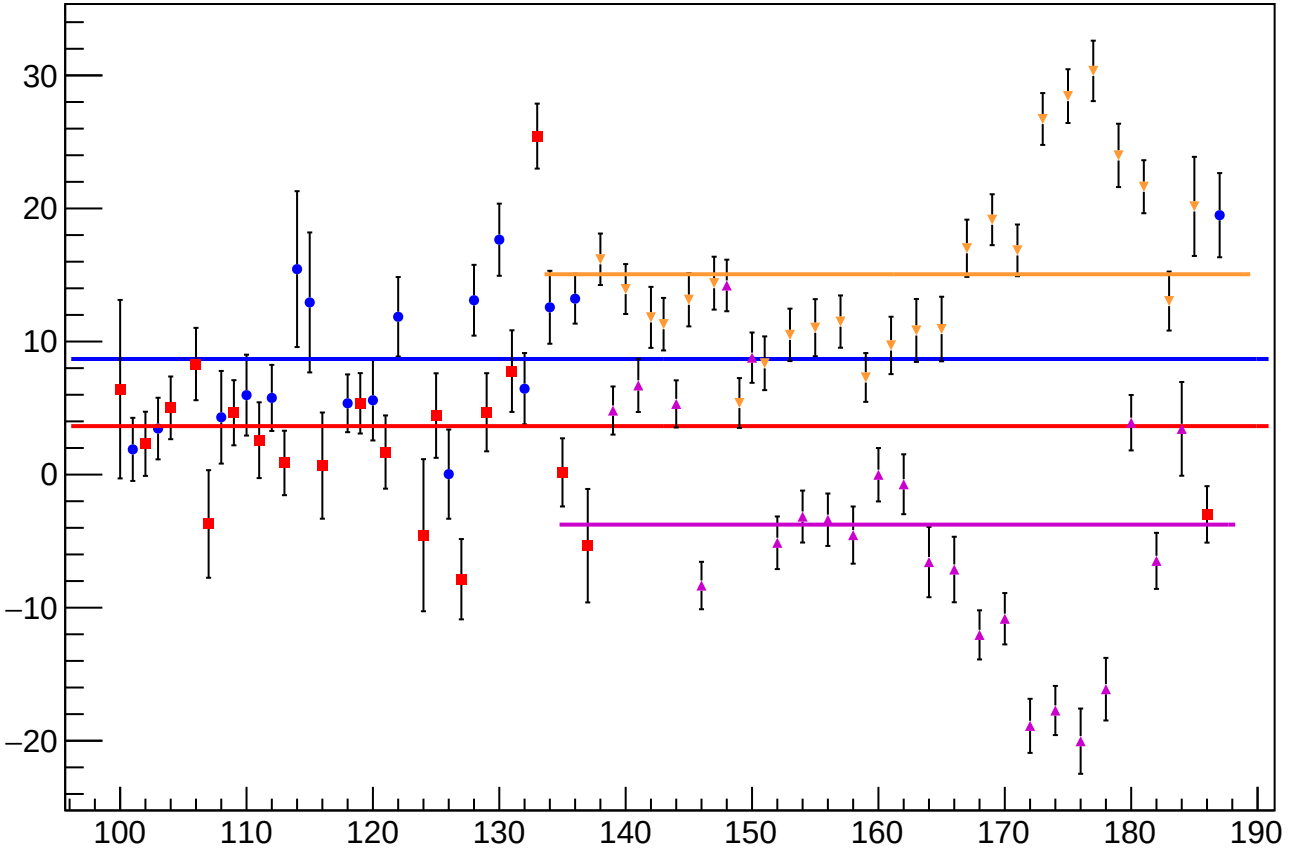
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 2035.081+/-0.281 χ^2/NDF: 990349.6/41

All: 2014.523+/-0.198 χ^2/NDF: 2042825.7/84

- sign 1994.213+/-0.279 χ^2/NDF: 1041841.6/42

diff_bpm0i01aY_mean vs Slug



Right In: 8.688+/-0.668 χ^2/NDF: 64.2/16

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 3.644+/-0.635 χ^2/NDF: 124.7/19

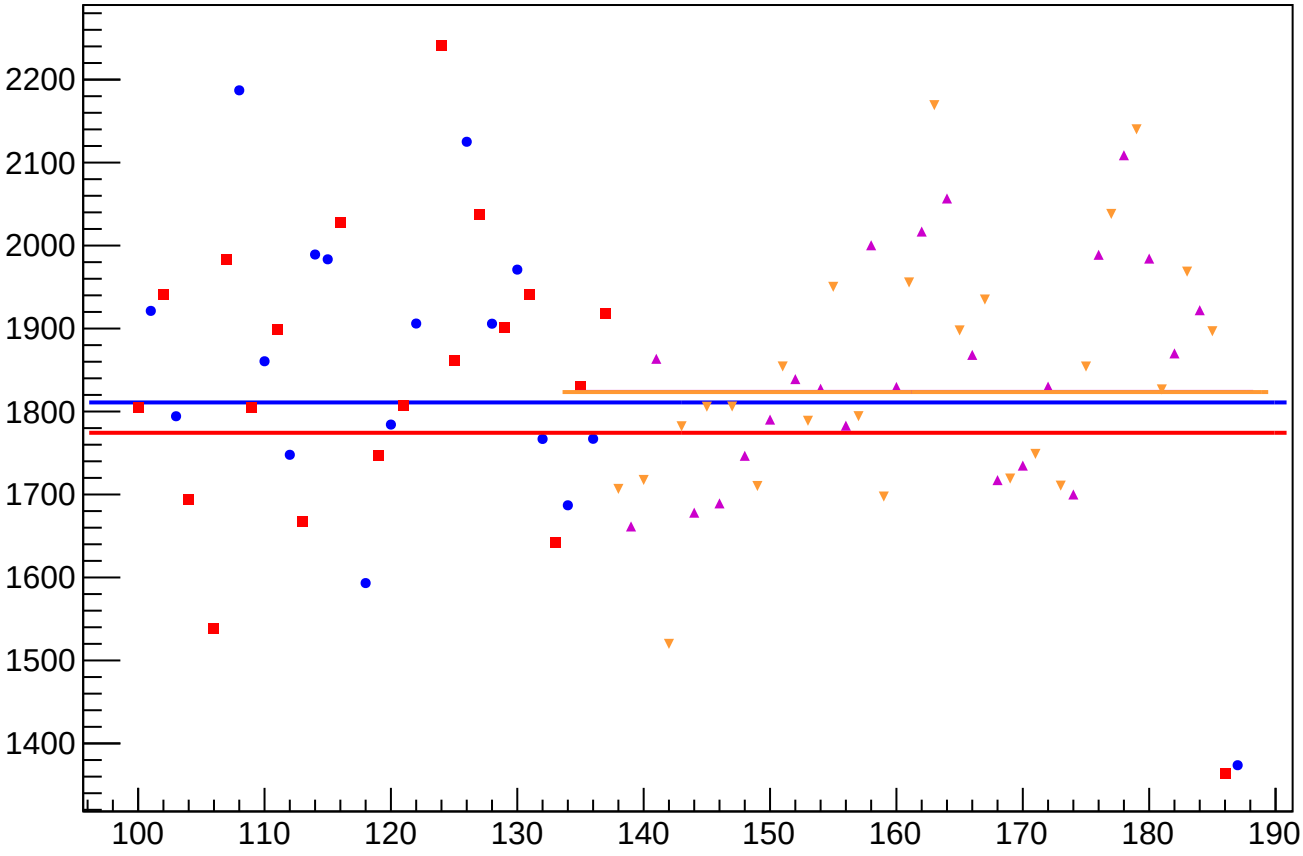
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.279+/-0.353 χ^2/NDF: 375.9/41

All: 5.954+/-0.250 χ^2/NDF: 1918.9/84

- sign -1.447+/-0.355 χ^2/NDF: 677.2/42

diff_bpm0i01aY_rms vs Slug



Right In: 1810.941+/-0.472 χ^2/NDF: 126913.3/16

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1774.365+/-0.449 χ^2/NDF: 173060.7/19

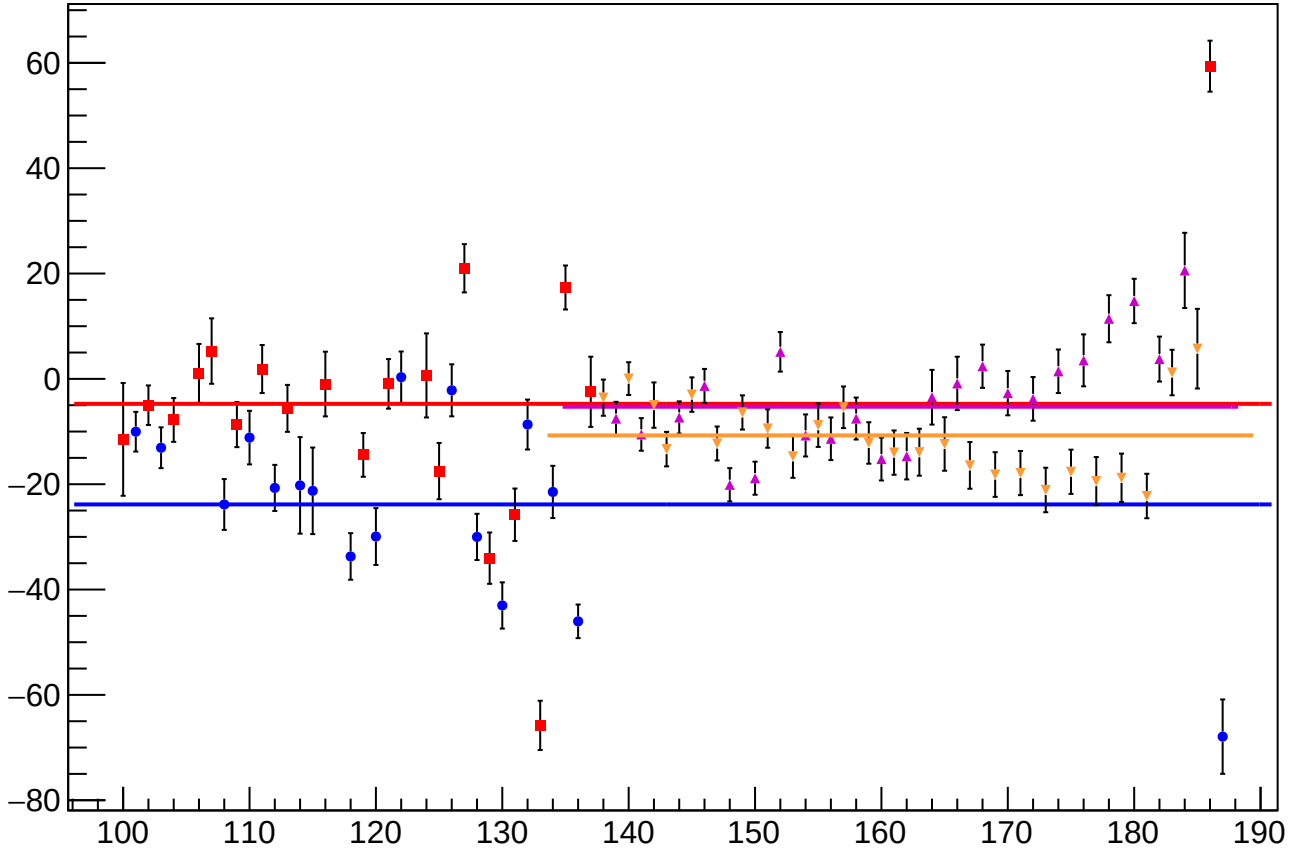
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

\+ sign 1819.960+/-0.250 χ^2/NDF: 338692.9/41

All: 1814.133+/-0.177 χ^2/NDF: 684897.4/84

\- sign 1808.245+/-0.251 χ^2/NDF: 345108.5/42

diff_bpm0l01X_mean vs Slug



Right In: -23.837+/-1.137 χ^2/NDF: 197.2/16

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -4.741+/-1.099 χ^2/NDF: 479.6/19

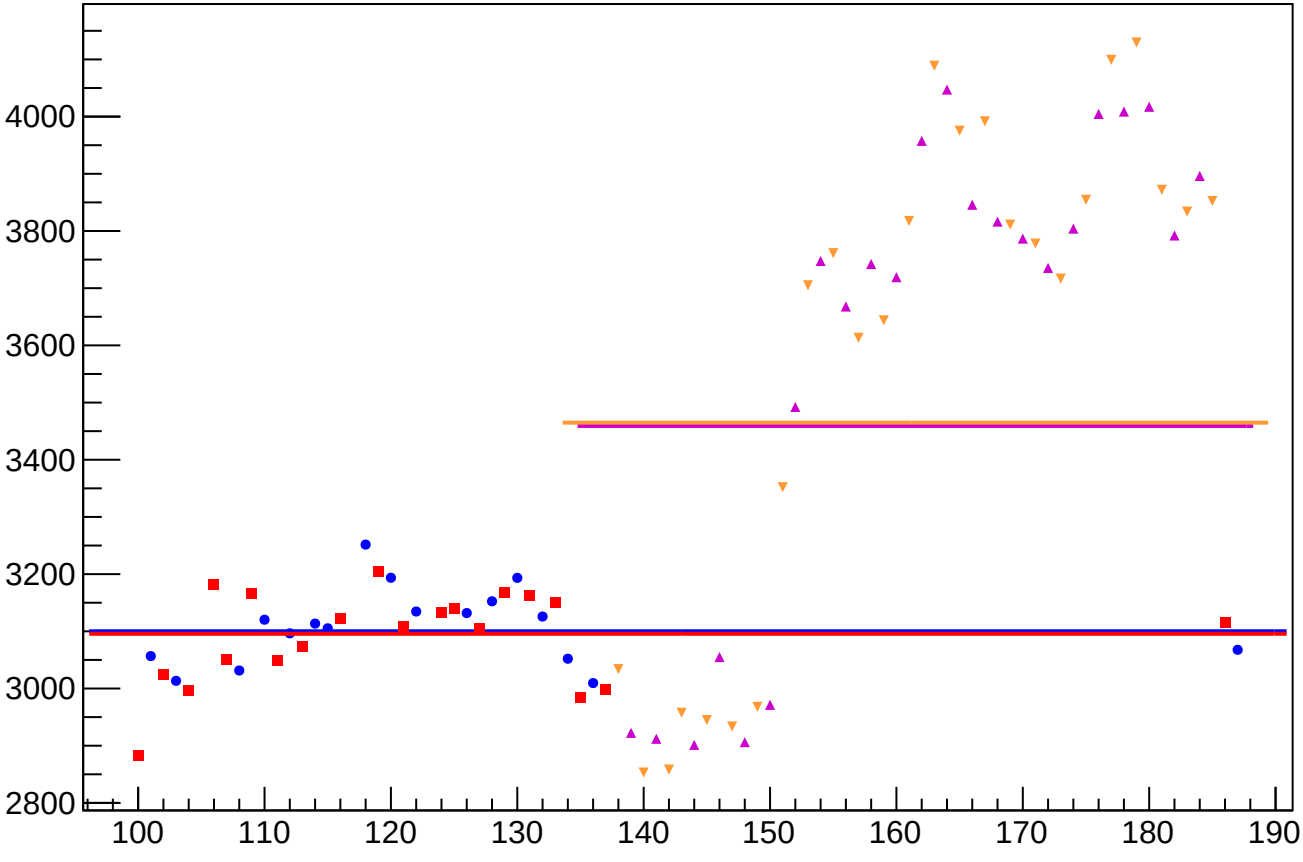
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -15.027+/-0.651 χ^2/NDF: 360.4/41

All: -10.088+/-0.461 χ^2/NDF: 1089.5/84

- sign -5.096+/-0.654 χ^2/NDF: 613.4/42

diff_bpm0l01X_rms vs Slug



Right In: 3100.077+/-0.804 χ^2/NDF: 7937.0/16

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3095.754+/-0.777 χ^2/NDF: 8619.1/19

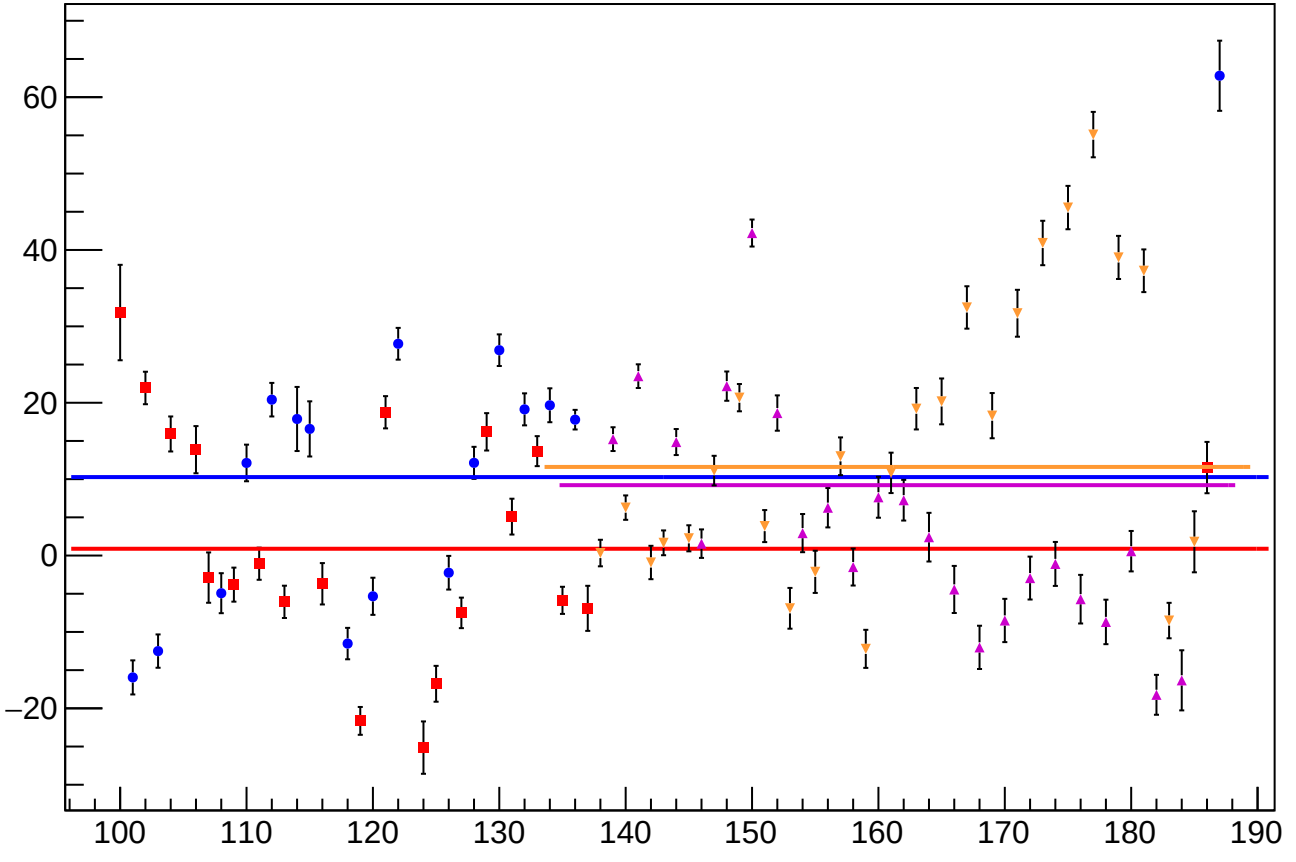
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3345.335+/-0.460 χ^2/NDF: 790414.6/41

All: 3337.877+/-0.326 χ^2/NDF: 1523907.2/84

- sign 3330.338+/-0.463 χ^2/NDF: 732964.5/42

diff_bpm0l01Y_mean vs Slug



Right In: 10.271+/-0.538 χ^2/NDF: 831.5/16

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 0.888+/-0.527 χ^2/NDF: 676.1/19

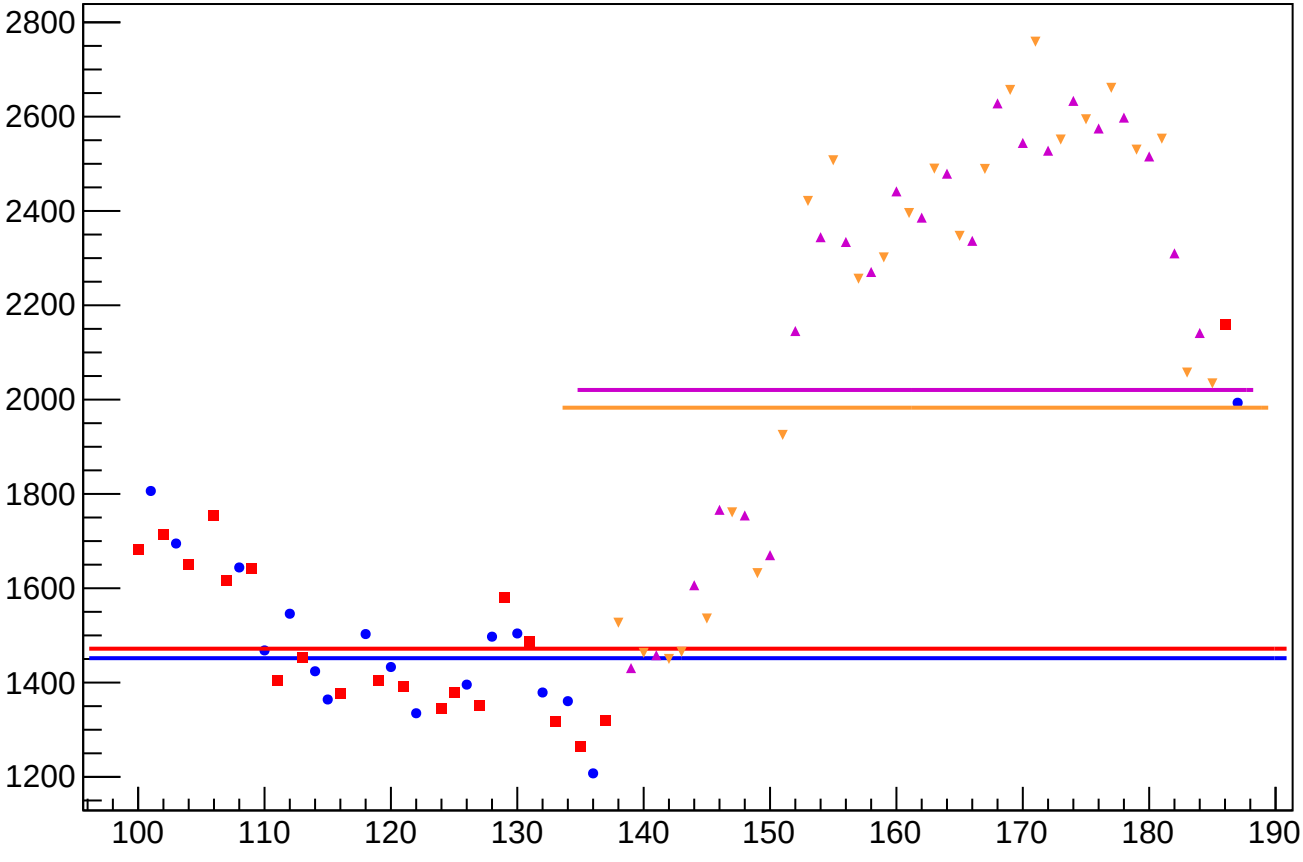
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 11.033+/-0.351 χ^2/NDF: 2031.9/41

All: 8.265+/-0.250 χ^2/NDF: 3910.2/84

\- sign 5.409+/-0.357 χ^2/NDF: 1752.0/42

diff_bpm0l01Y_rms vs Slug



Right In: 1451.717+/-0.380 χ^2/NDF: 208369.0/16

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1471.861+/-0.373 χ^2/NDF: 228788.8/19

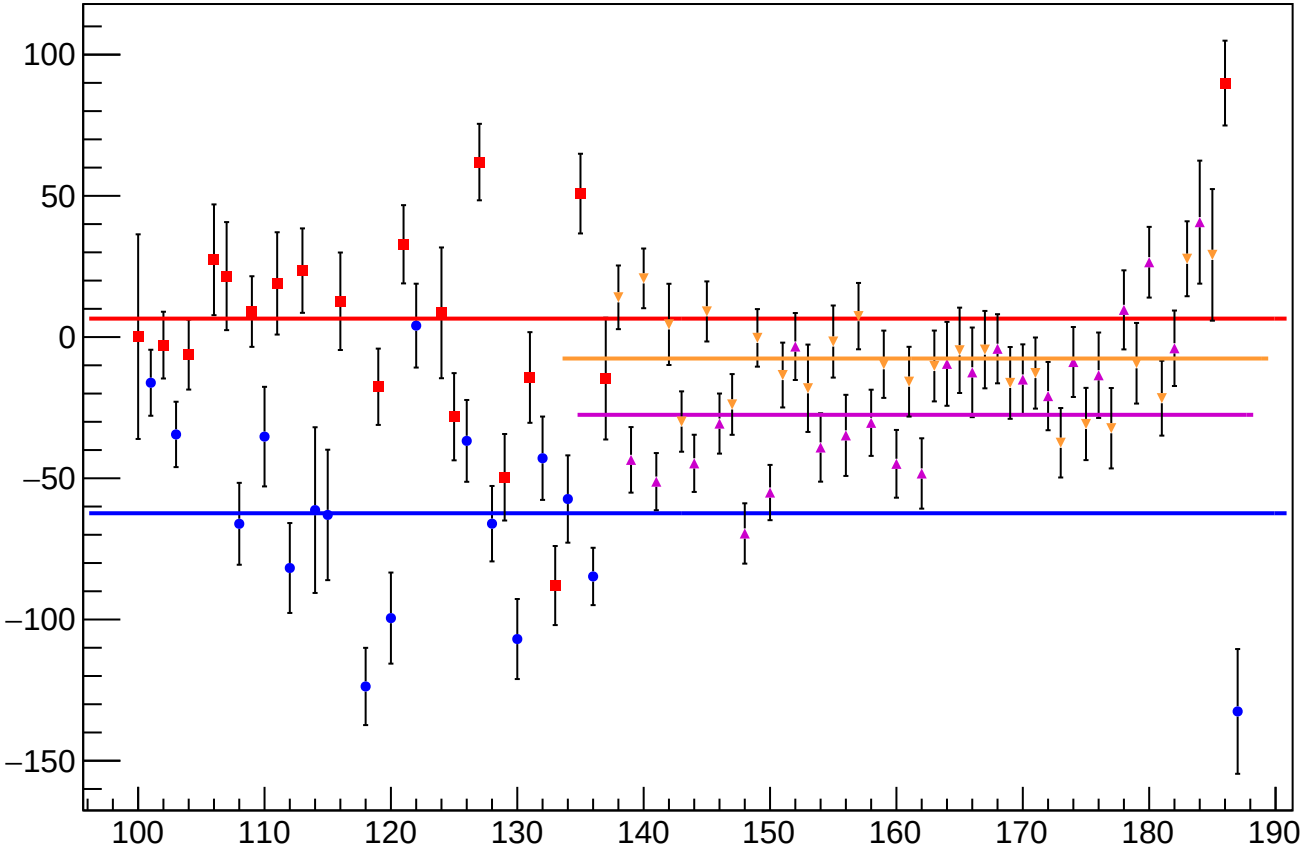
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1756.432+/-0.248 χ^2/NDF: 3306149.8/41

All: 1763.017+/-0.177 χ^2/NDF: 6326006.9/84

- sign 1769.813+/-0.252 χ^2/NDF: 3018426.5/42

diff_bpm0l02X_mean vs Slug



Right In: -62.377+/-3.550 χ^2/NDF: 100.7/16

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 6.537+/-3.448 χ^2/NDF: 136.4/19

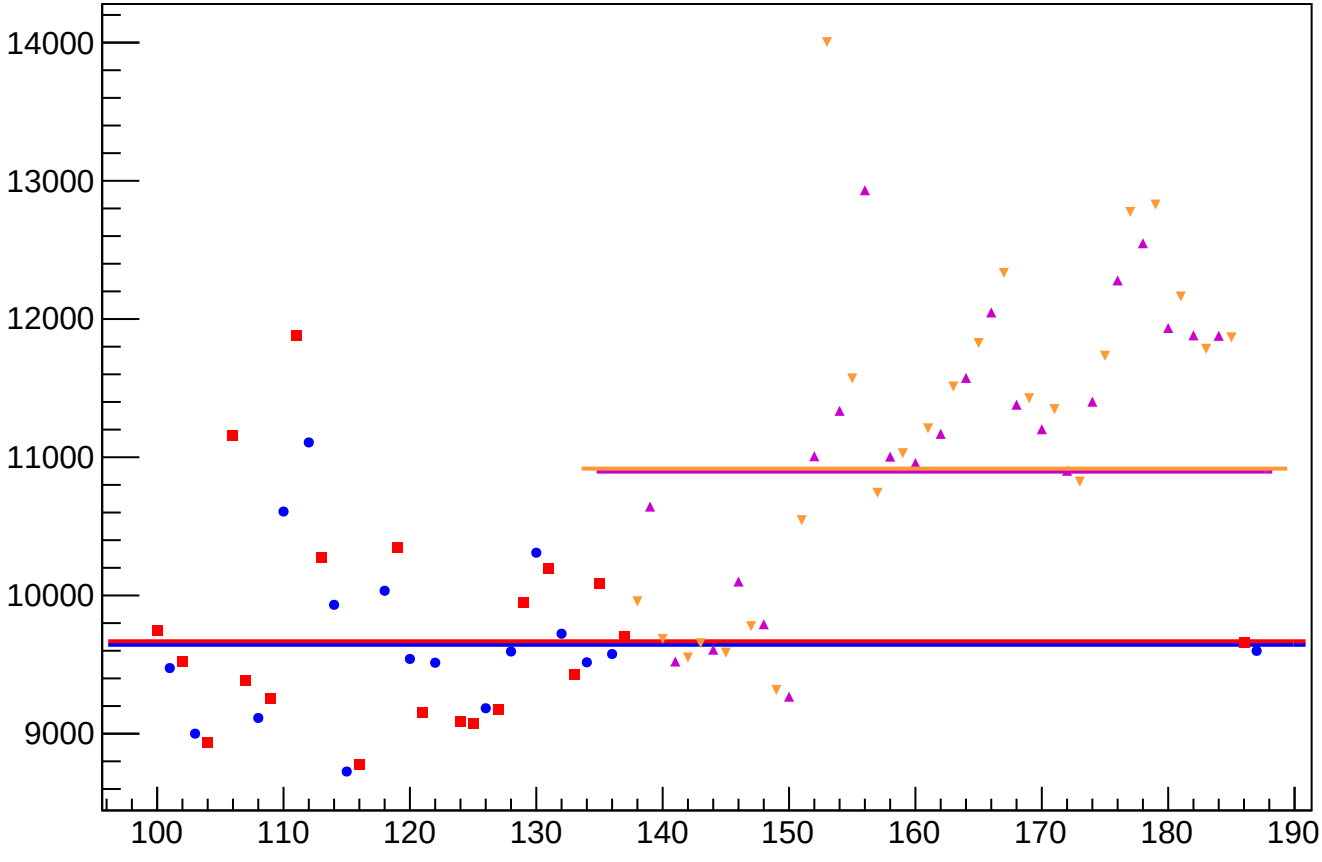
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -25.711+/-2.041 χ^2/NDF: 308.0/41

All: -20.609+/-1.448 χ^2/NDF: 613.0/84

- sign -15.445+/-2.054 χ^2/NDF: 292.4/42

diff_bpm0l02X_rms vs Slug



Right In: 9643.225+/-2.510 χ^2/NDF: 44109.8/16

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9668.542+/-2.438 χ^2/NDF: 79879.2/19

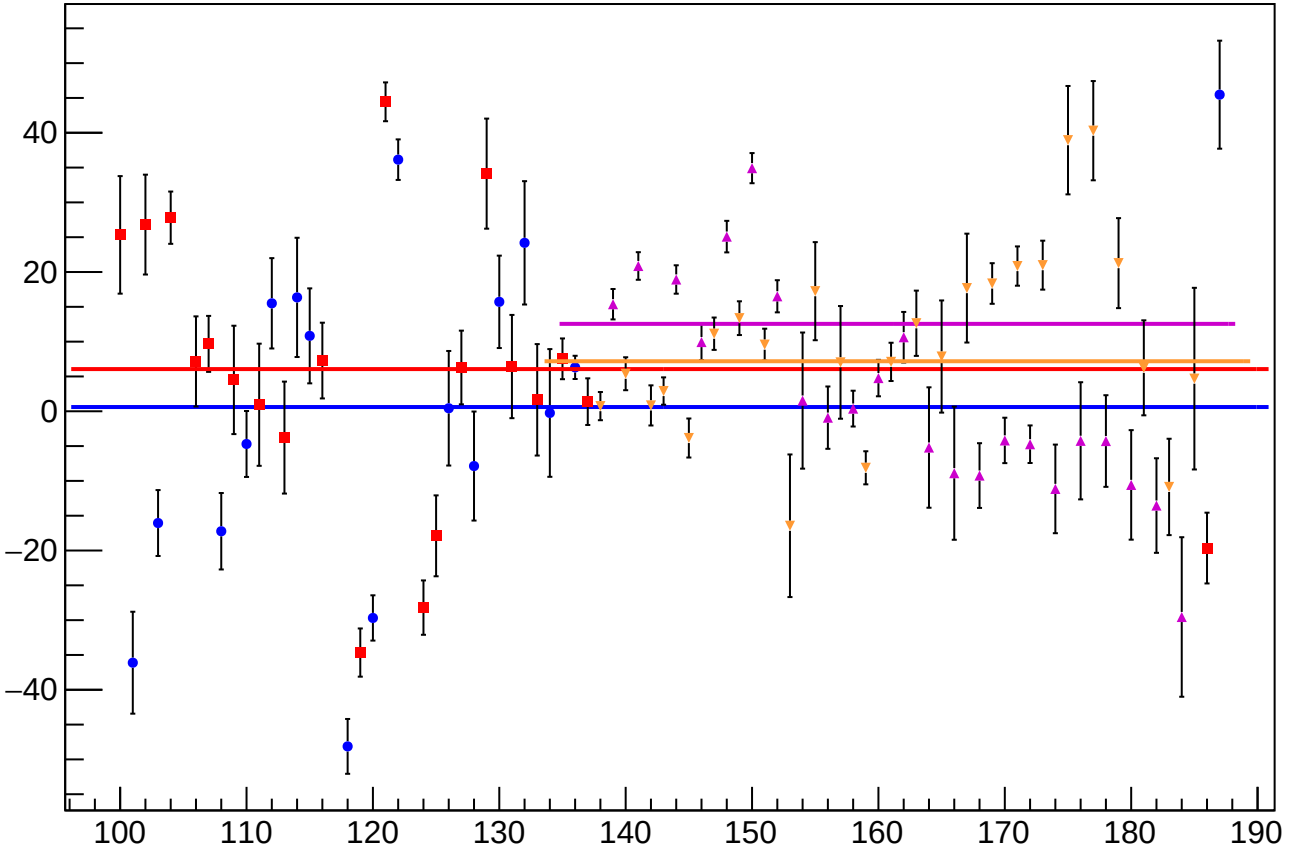
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

\+ sign 10496.234+/-1.443 χ^2/NDF: 642527.6/41

All: 10478.529+/-1.024 χ^2/NDF: 1184308.6/8

\- sign 10460.607+/-1.452 χ^2/NDF: 541478.2/42

diff_bpm0l02Y_mean vs Slug



Right In: 0.609+/-1.036 χ^2/NDF: 507.8/16

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

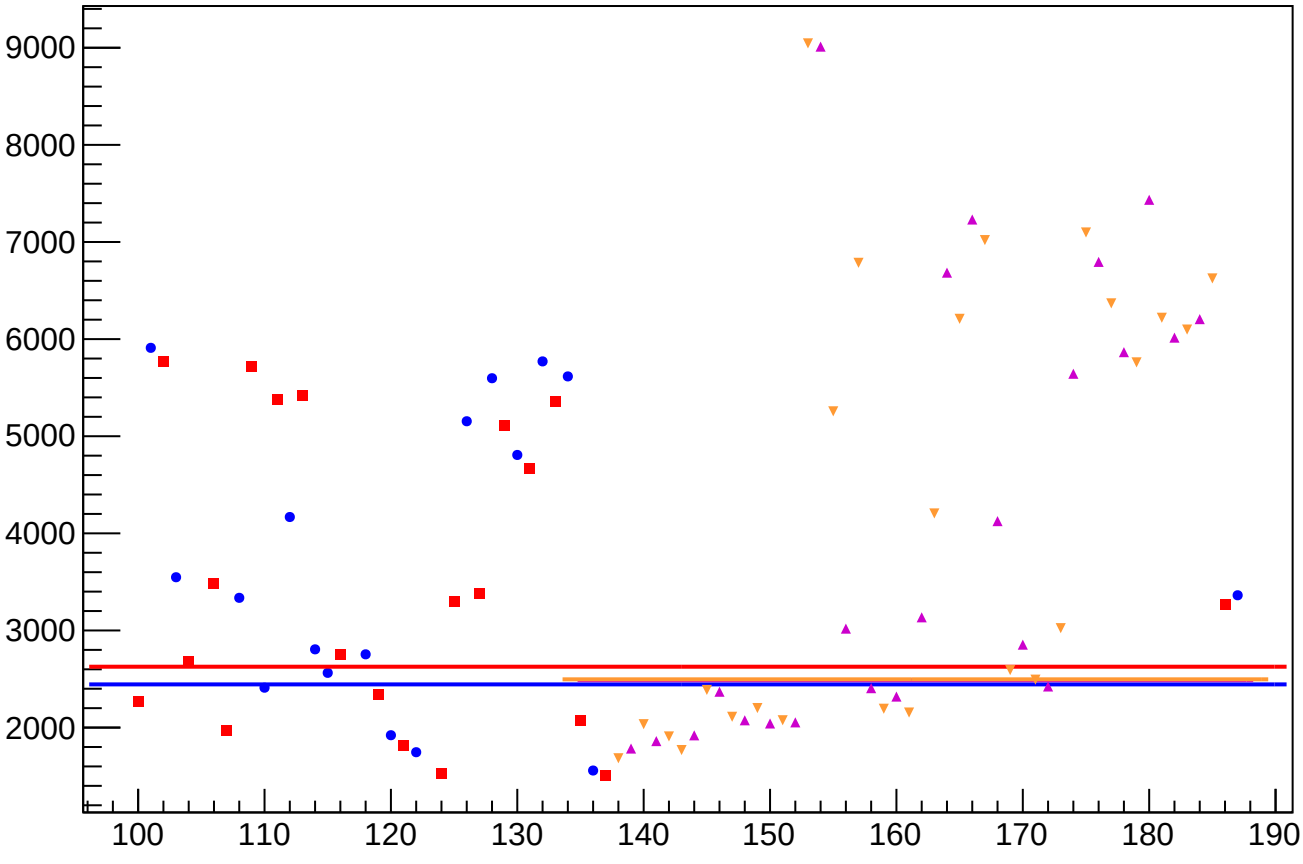
Right Out: 6.059+/-1.050 χ^2/NDF: 512.4/19

Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 5.312+/-0.553 χ^2/NDF: 738.3/41

All: 7.982+/-0.393 χ^2/NDF: 1697.3/84

- sign 10.713+/-0.559 χ^2/NDF: 911.8/42



Right In: 2444.745+/-0.733 χ^2/NDF: 2843835.7/16

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2626.765+/-0.743 χ^2/NDF: 2547798.5/19

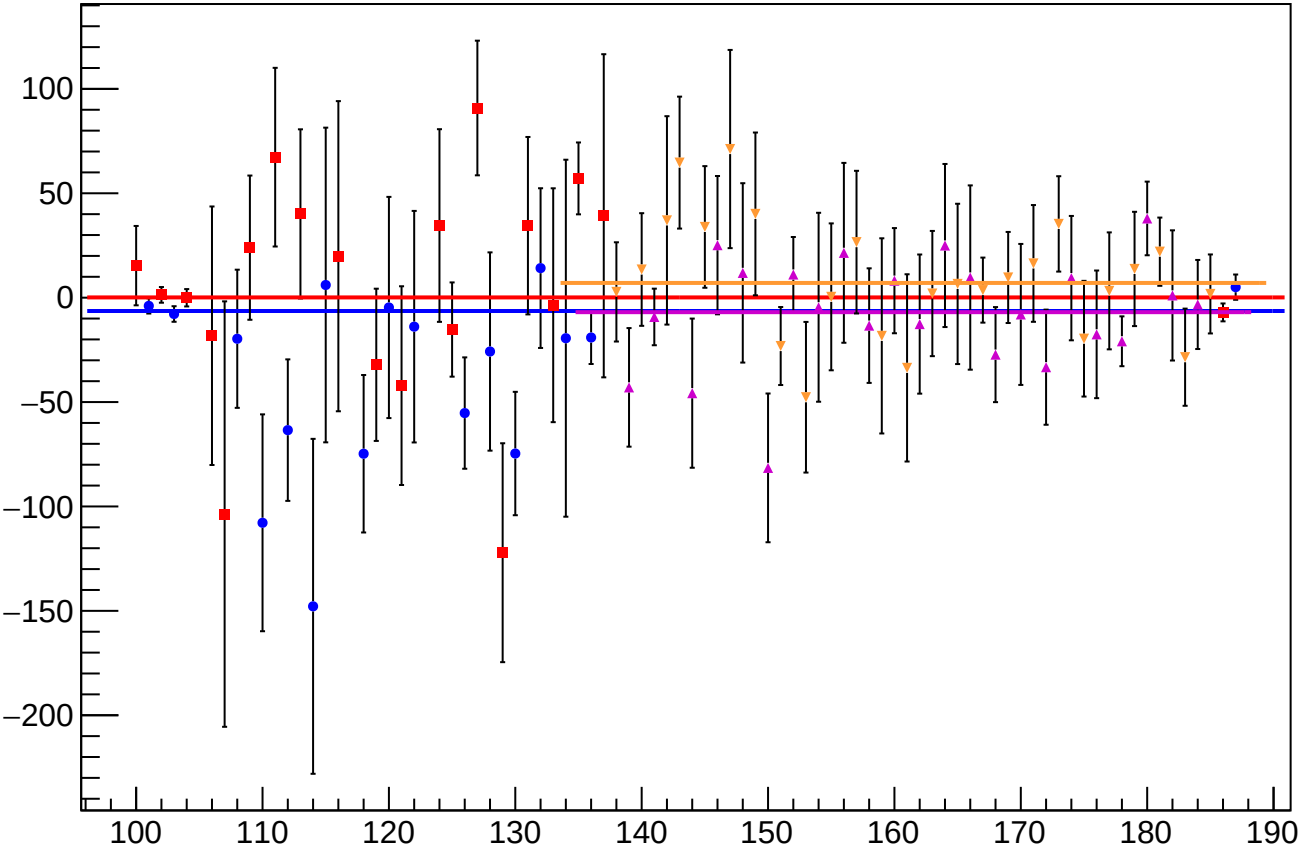
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2481.979+/-0.391 χ^2/NDF: 10053275.4/41

All: 2504.291+/-0.278 χ^2/NDF: 18736244.5/8

- sign 2527.120+/-0.395 χ^2/NDF: 8676377.3/42

diff_bpm0l03X_mean vs Slug



Right In: -6.384+/-2.310 χ^2/NDF: 27.6/16

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

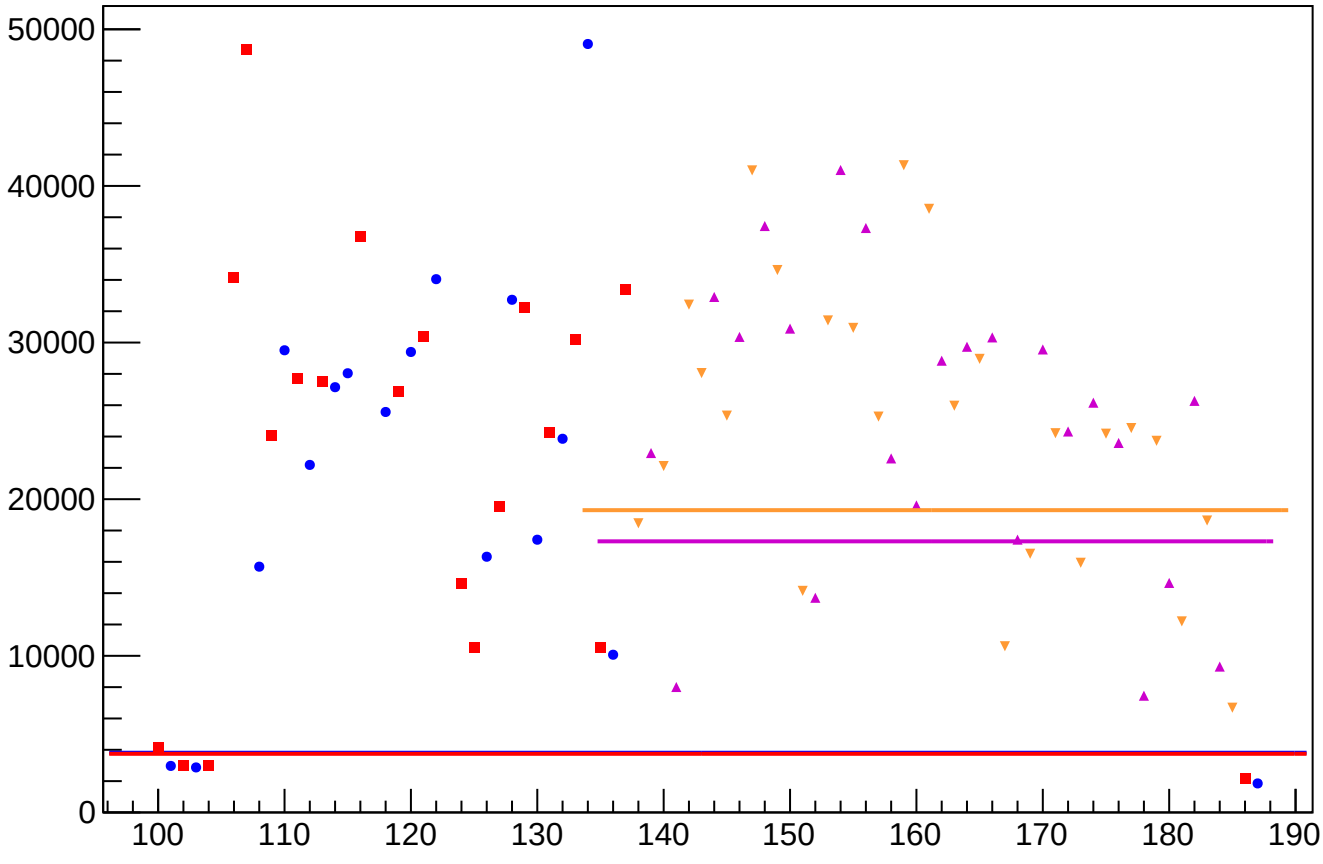
Right Out: 0.121+/-2.247 χ^2/NDF: 36.5/19

Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign -4.188+/-2.113 χ^2/NDF: 52.7/41

All: -2.566+/-1.473 χ^2/NDF: 113.0/84

- sign -1.031+/-2.056 χ^2/NDF: 59.2/42



Right In: 3811.788+/-1.634 χ^2/NDF: 7082107.1/16

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 3745.131+/-1.589 χ^2/NDF: 8011851.8/19

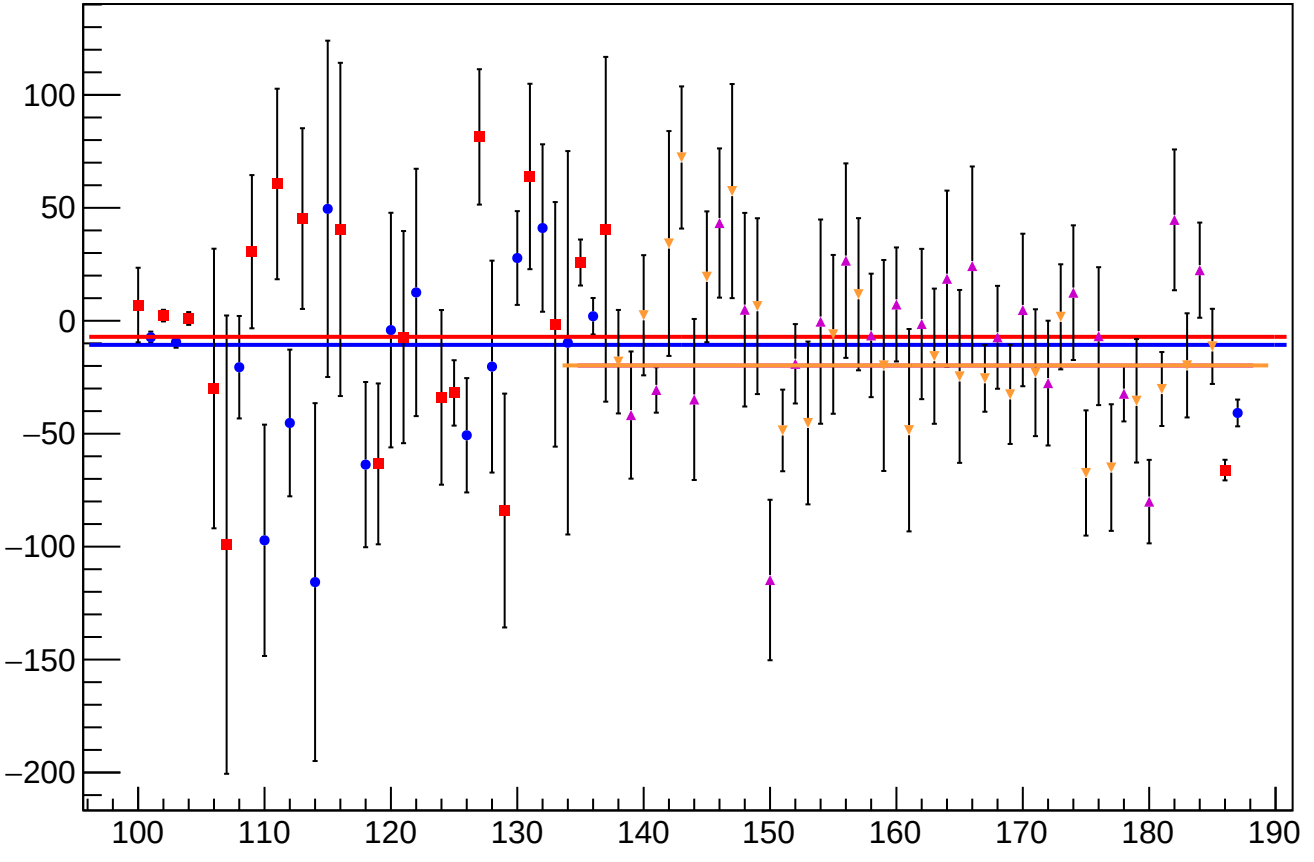
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 6342.236+/-1.494 χ^2/NDF: 26806165.0/41

All: 6144.348+/-1.042 χ^2/NDF: 53456374.8/8

- sign 5957.055+/-1.454 χ^2/NDF: 26616066.0/42

diff_bpm0l03Y_mean vs Slug



Right In: -10.669+/-1.652 χ^2/NDF: 47.1/16

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

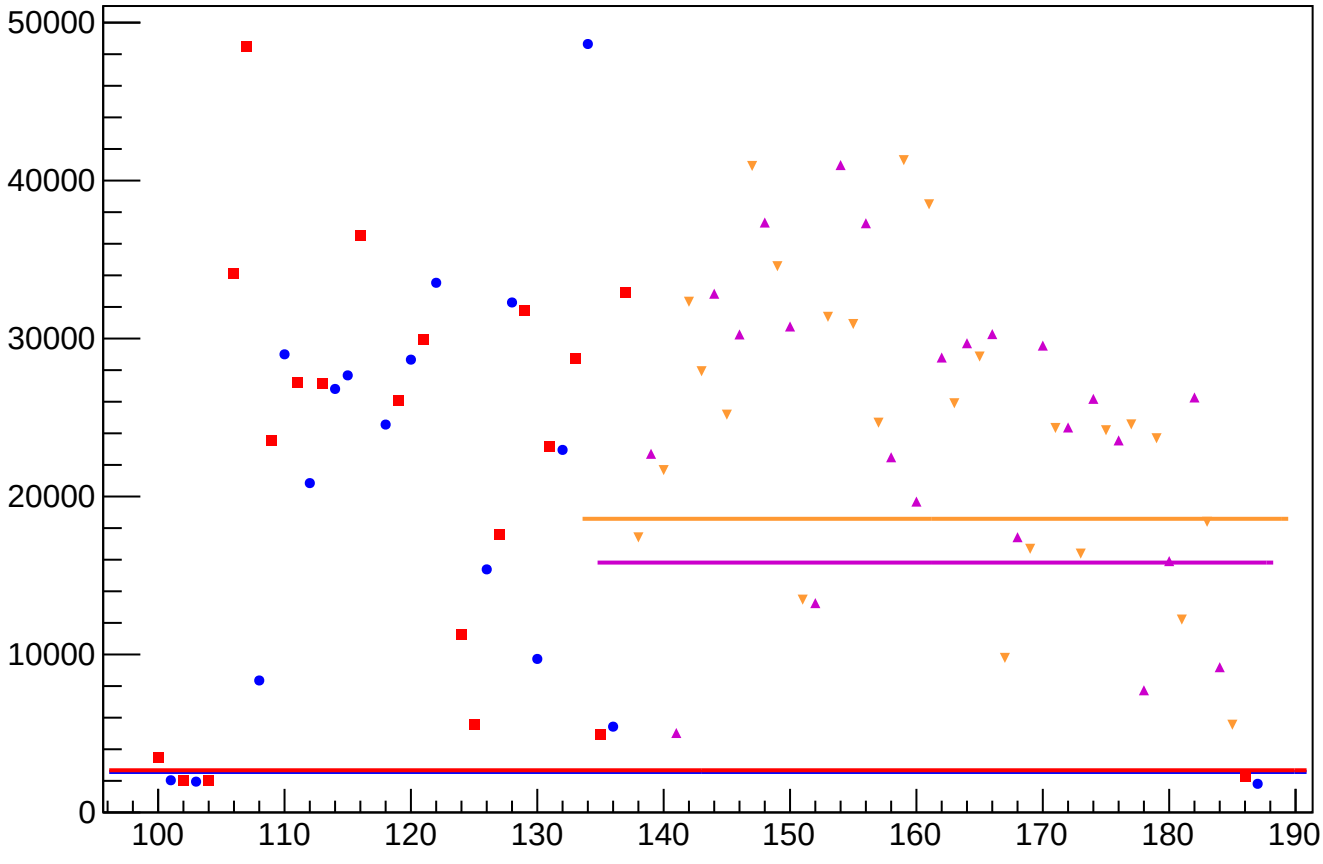
Right Out: -7.111+/-1.691 χ^2/NDF: 227.6/19

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -11.529+/-1.572 χ^2/NDF: 77.8/41

All: -10.034+/-1.120 χ^2/NDF: 353.7/84

- sign -8.492+/-1.597 χ^2/NDF: 274.1/42



Right In: 2563.281+/-1.168 χ^2/NDF: 6815602.6/16

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

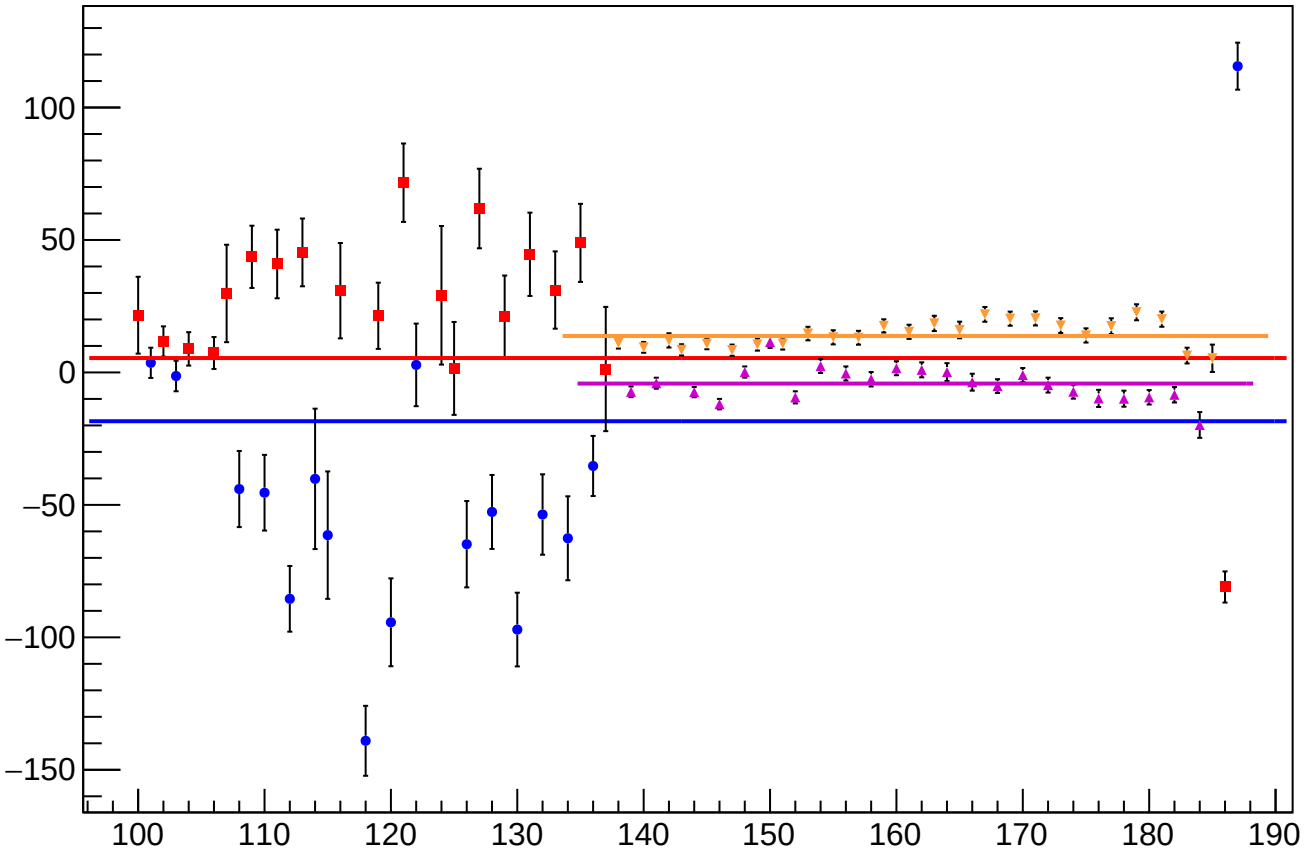
Right Out: 2670.745+/-1.196 χ^2/NDF: 8001452.5/19

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

\+ sign 4076.591+/-1.112 χ^2/NDF: 30281202.5/41

All: 4087.442+/-0.792 χ^2/NDF: 59813302.7/8

\- sign 4098.634+/-1.129 χ^2/NDF: 29531906.7/42



Right In: -18.421+/-2.706 χ^2/NDF: 459.4/16

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 5.435+/-2.345 χ^2/NDF: 306.3/19

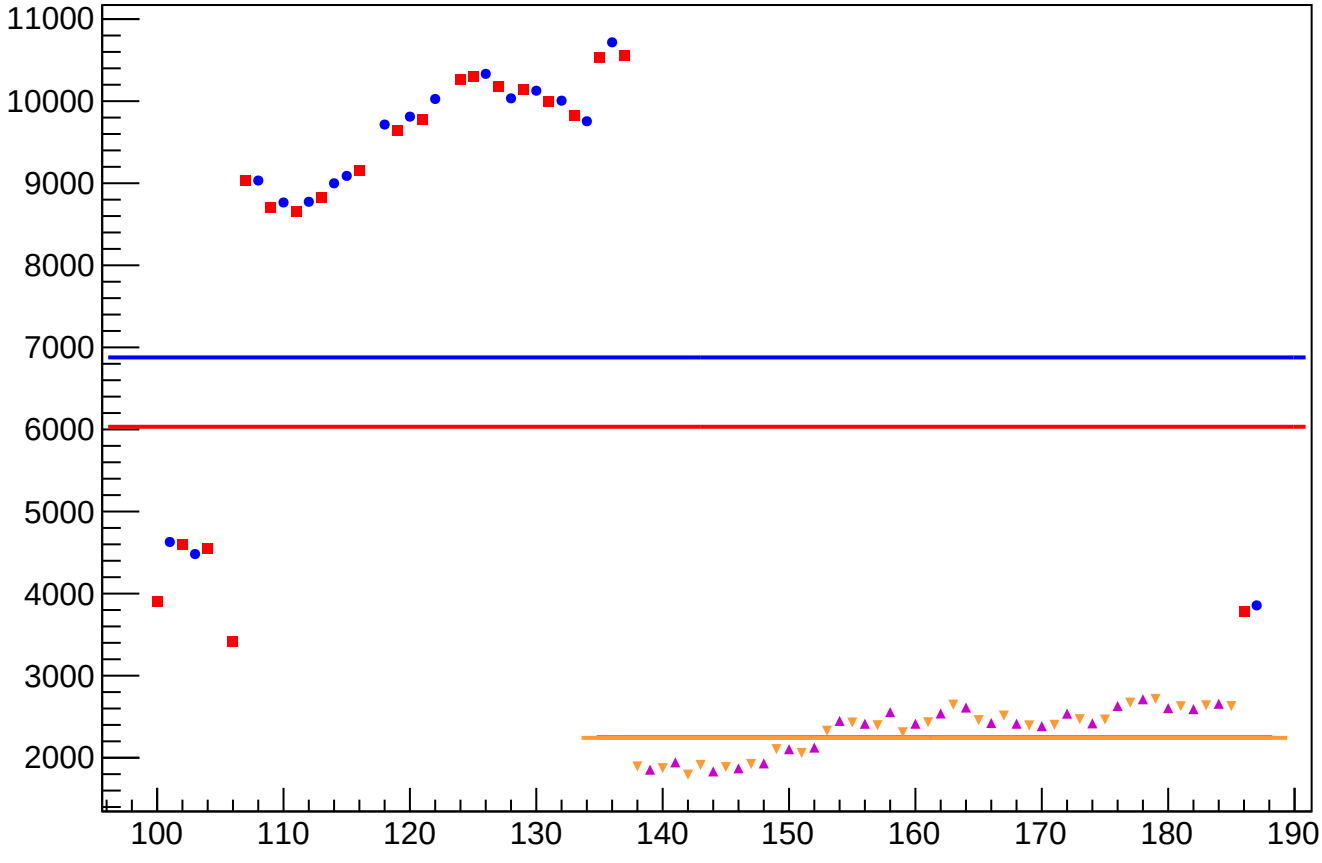
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 12.641+/-0.505 χ^2/NDF: 673.1/41

All: 4.646+/-0.361 χ^2/NDF: 1632.7/84

- sign -3.734+/-0.517 χ^2/NDF: 446.3/42

diff_bpm0l04X_rms vs Slug



Right In: 6877.550+/-1.914 χ^2/NDF: 1961590.0/16

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 6032.778+/-1.658 χ^2/NDF: 2625795.0/19

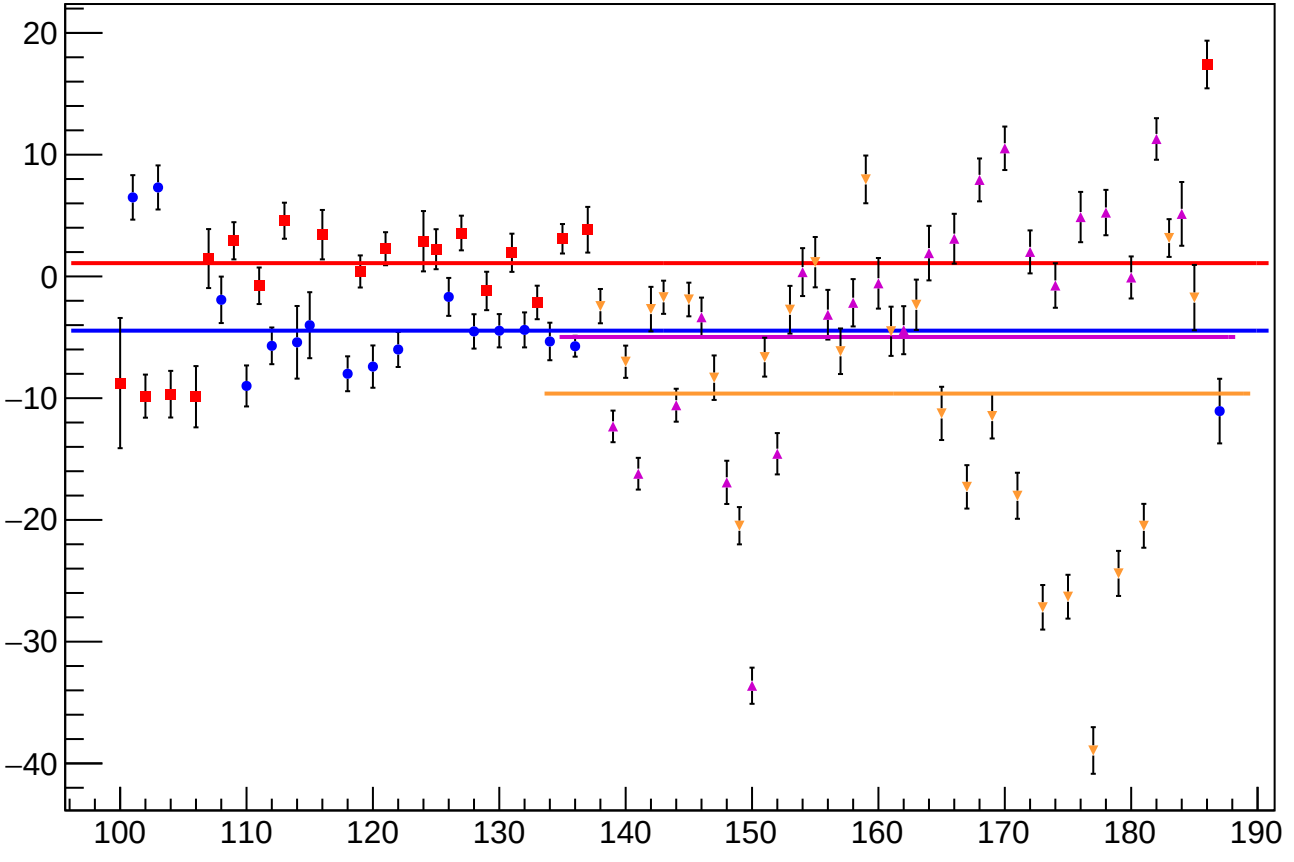
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2403.711+/-0.357 χ^2/NDF: 8281958.9/41

All: 2417.789+/-0.255 χ^2/NDF: 16508587.4/8

- sign 2432.547+/-0.366 χ^2/NDF: 8223444.8/42

diff_bpm0l04Y_mean vs Slug



Right In: -4.454+/-0.376 χ^2/NDF: 110.0/16

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 1.091+/-0.372 χ^2/NDF: 189.3/19

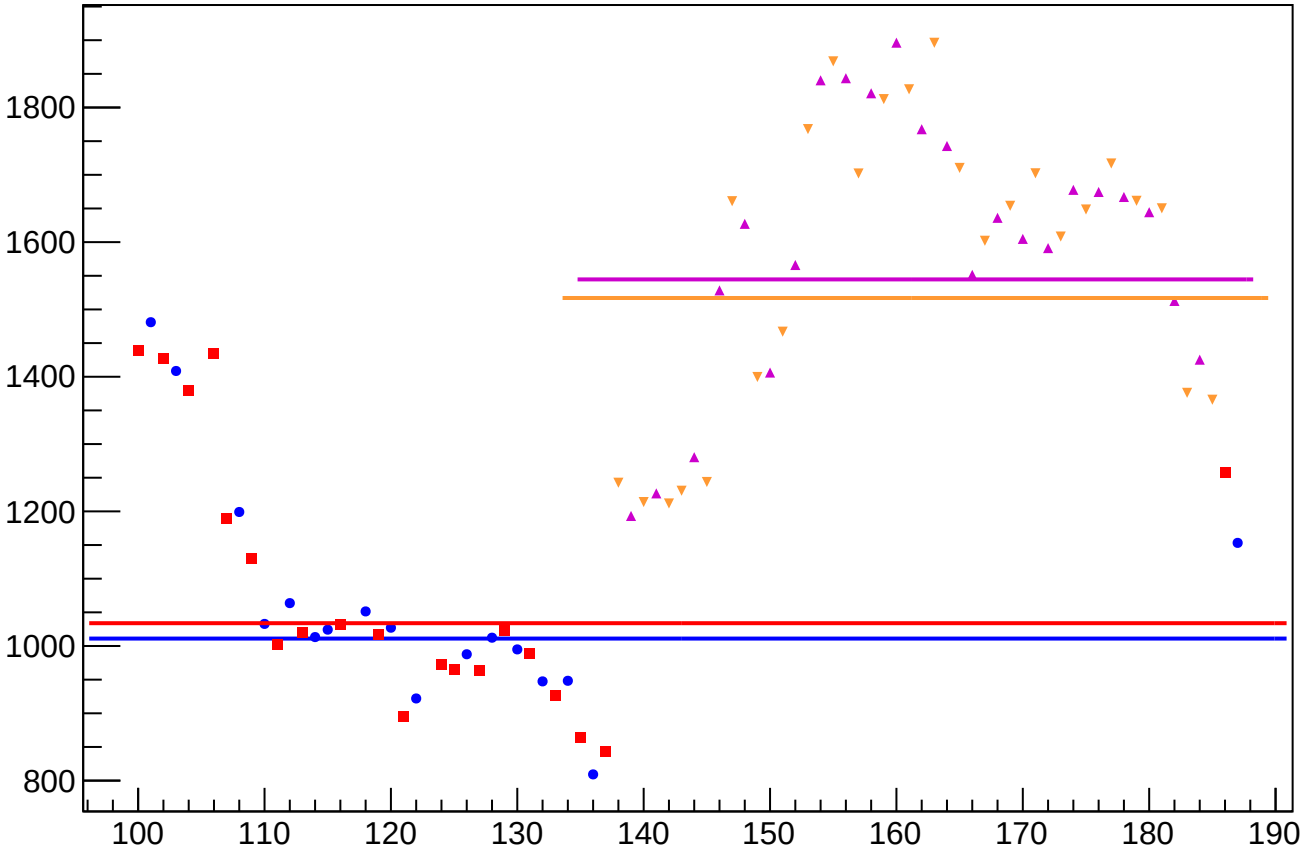
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.229+/-0.256 χ^2/NDF: 1145.8/41

All: -4.660+/-0.182 χ^2/NDF: 2605.7/84

- sign -2.000+/-0.260 χ^2/NDF: 1254.7/42

diff_bpm0l04Y_rms vs Slug



Right In: 1011.027+/-0.266 χ^2/NDF: 384694.4/16

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1033.875+/-0.263 χ^2/NDF: 373201.6/19

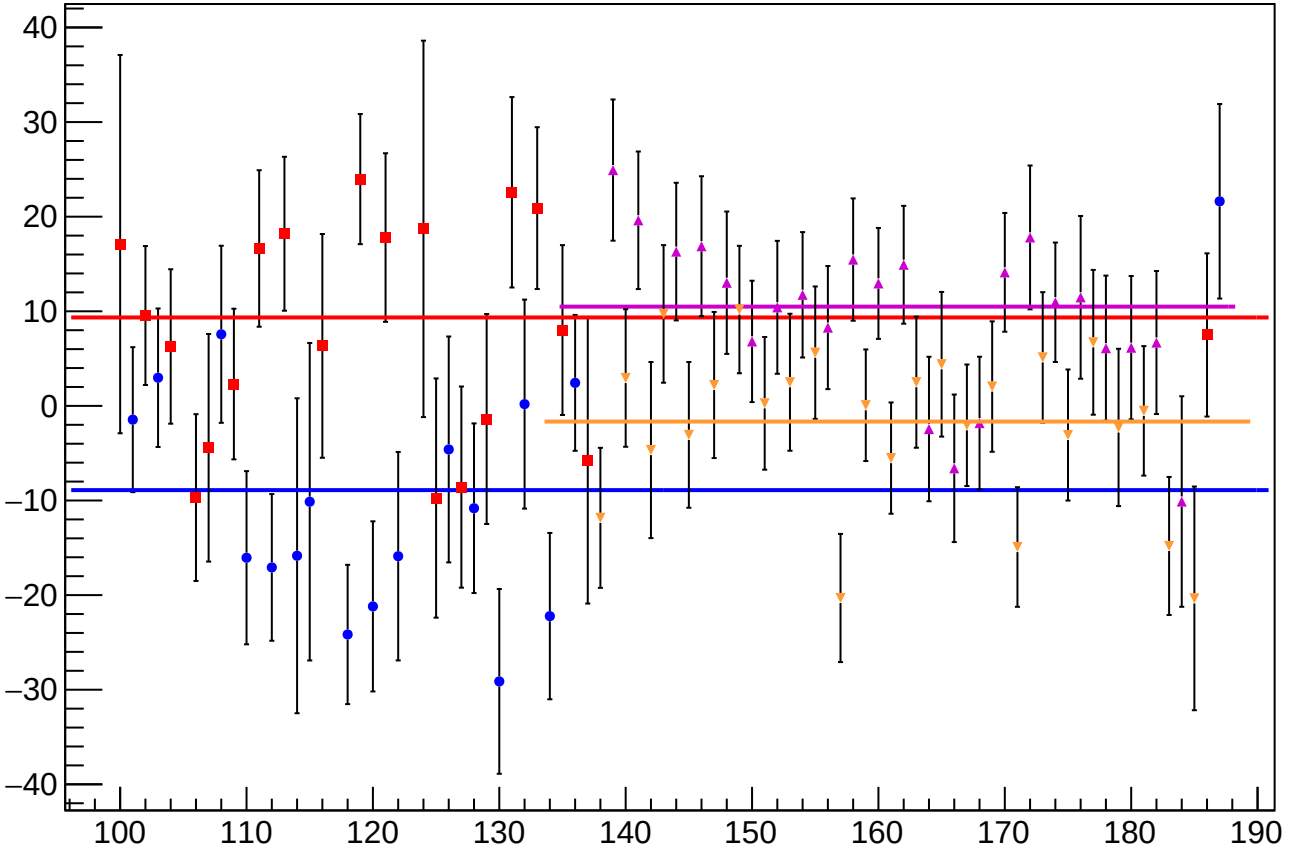
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1282.703+/-0.181 χ^2/NDF: 3163209.6/41

All: 1288.354+/-0.129 χ^2/NDF: 6101150.5/84

- sign 1294.206+/-0.184 χ^2/NDF: 2935954.1/42

diff_bpm0l05X_mean vs Slug



Right In: -8.902+/-2.226 χ^2/NDF: 33.9/16

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

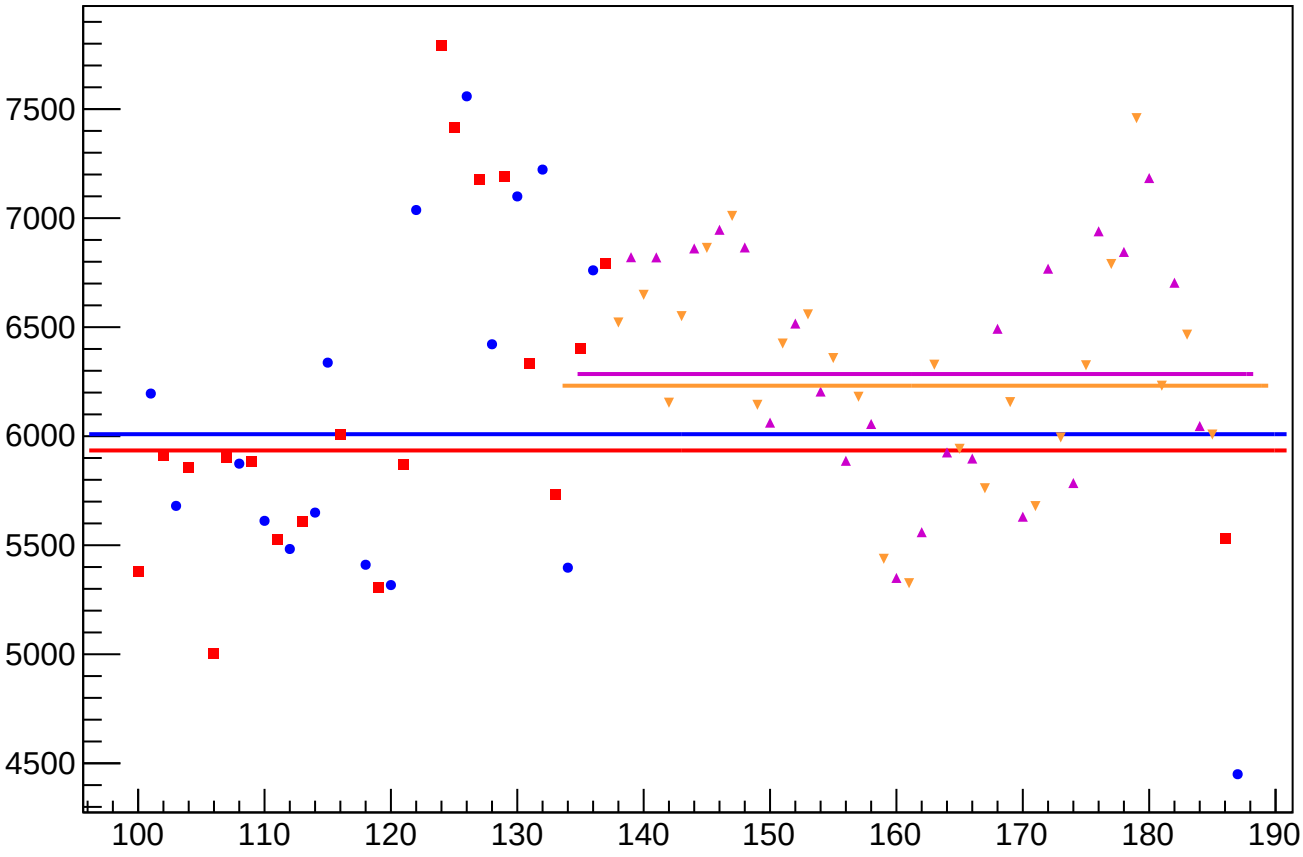
Right Out: 9.348+/-2.123 χ^2/NDF: 25.4/19

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign -3.765+/-1.201 χ^2/NDF: 72.9/41

All: 3.101+/-0.854 χ^2/NDF: 189.5/84

- sign 10.118+/-1.214 χ^2/NDF: 50.5/42



Right In: 6009.192+/-1.574 χ^2/NDF: 227381.4/16

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5934.603+/-1.502 χ^2/NDF: 167423.3/19

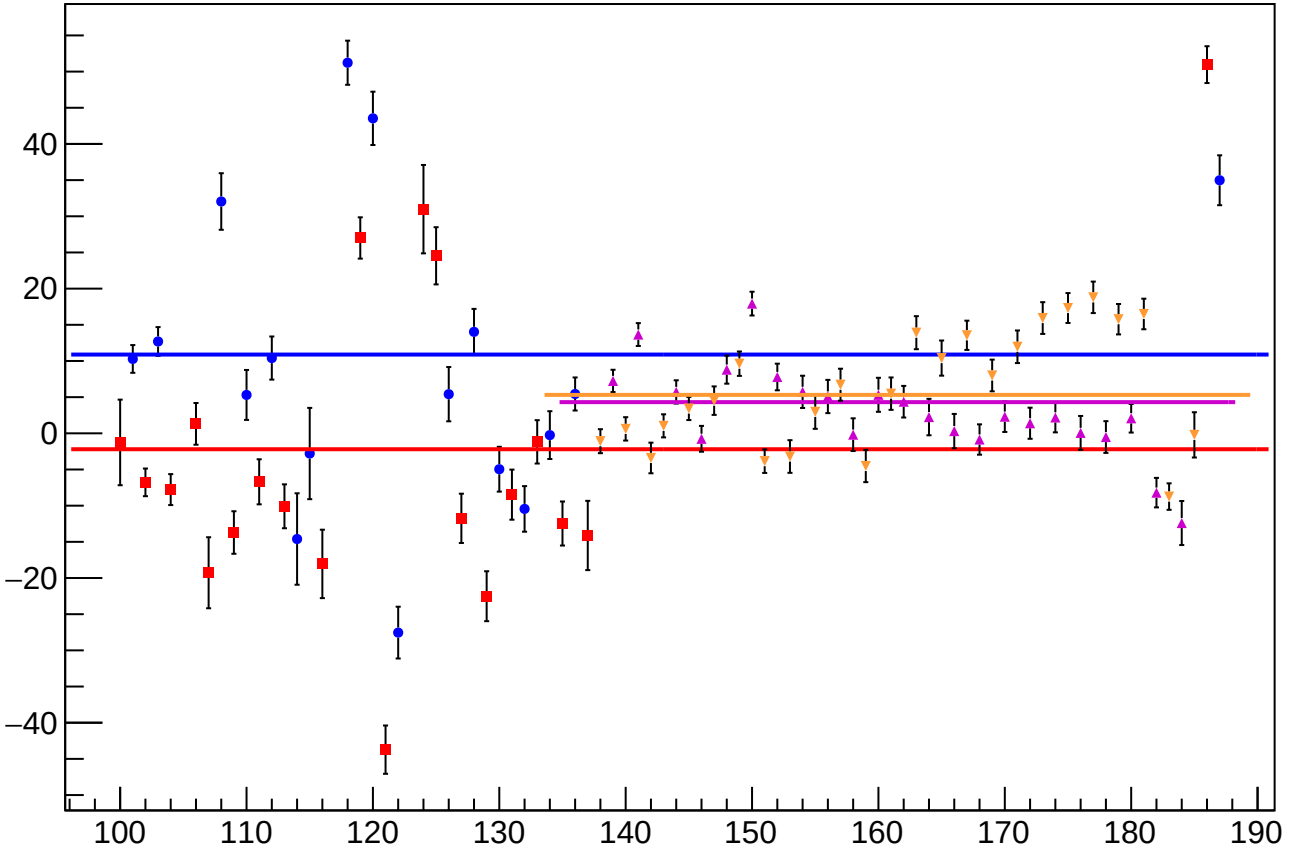
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 6166.844+/-0.849 χ^2/NDF: 468491.9/41

All: 6168.655+/-0.604 χ^2/NDF: 937964.2/84

- sign 6170.506+/-0.858 χ^2/NDF: 469463.1/42

diff_bpm0l05Y_mean vs Slug



Right In: 10.887+/-0.737 χ^2/NDF: 563.5/16

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -2.198+/-0.702 χ^2/NDF: 896.0/19

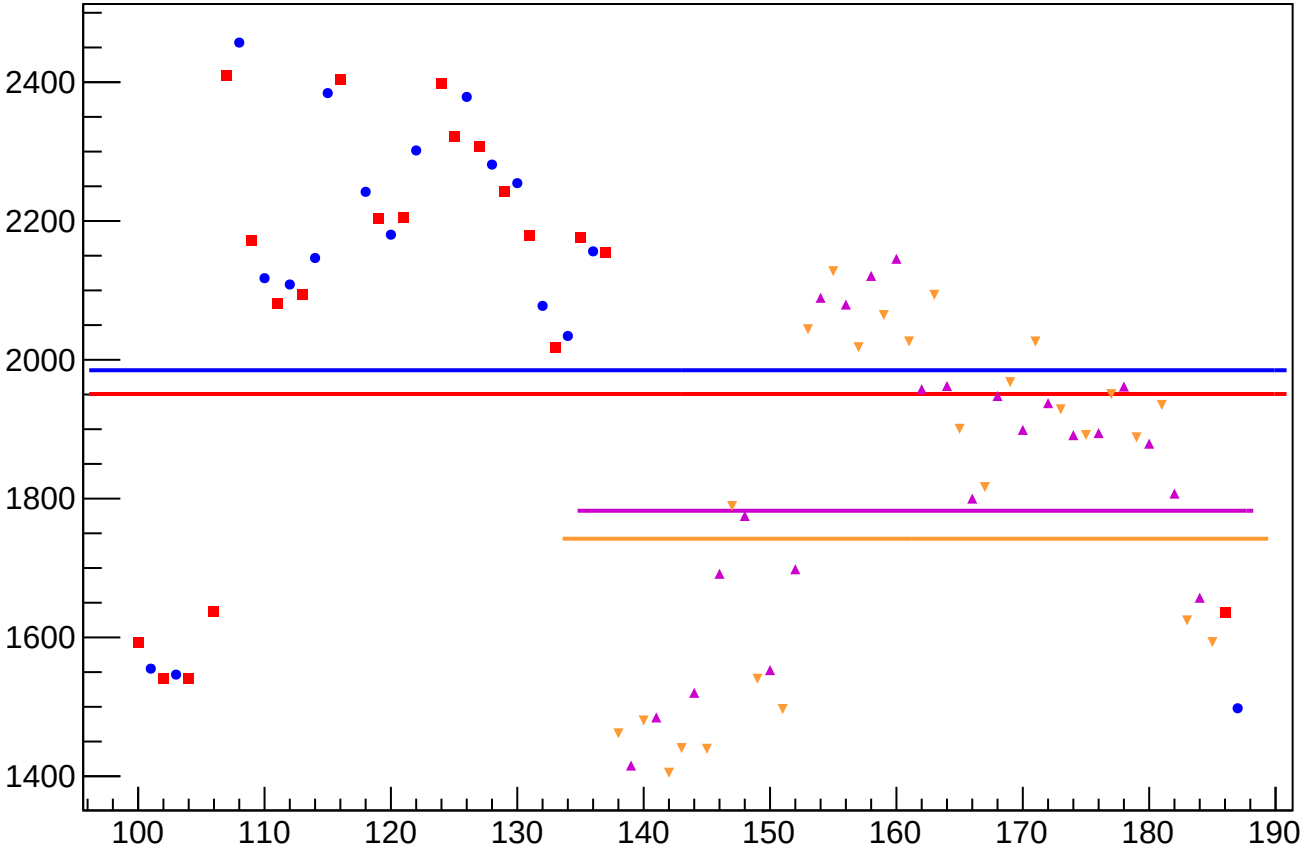
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 6.582+/-0.352 χ^2/NDF: 985.8/41

All: 4.636+/-0.252 χ^2/NDF: 2228.2/84

- sign 2.594+/-0.360 χ^2/NDF: 1179.7/42

diff_bpm0l05Y_rms vs Slug



Right In: 1984.957+/-0.521 χ^2/NDF: 386187.4/16

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1950.745+/-0.496 χ^2/NDF: 398514.5/19

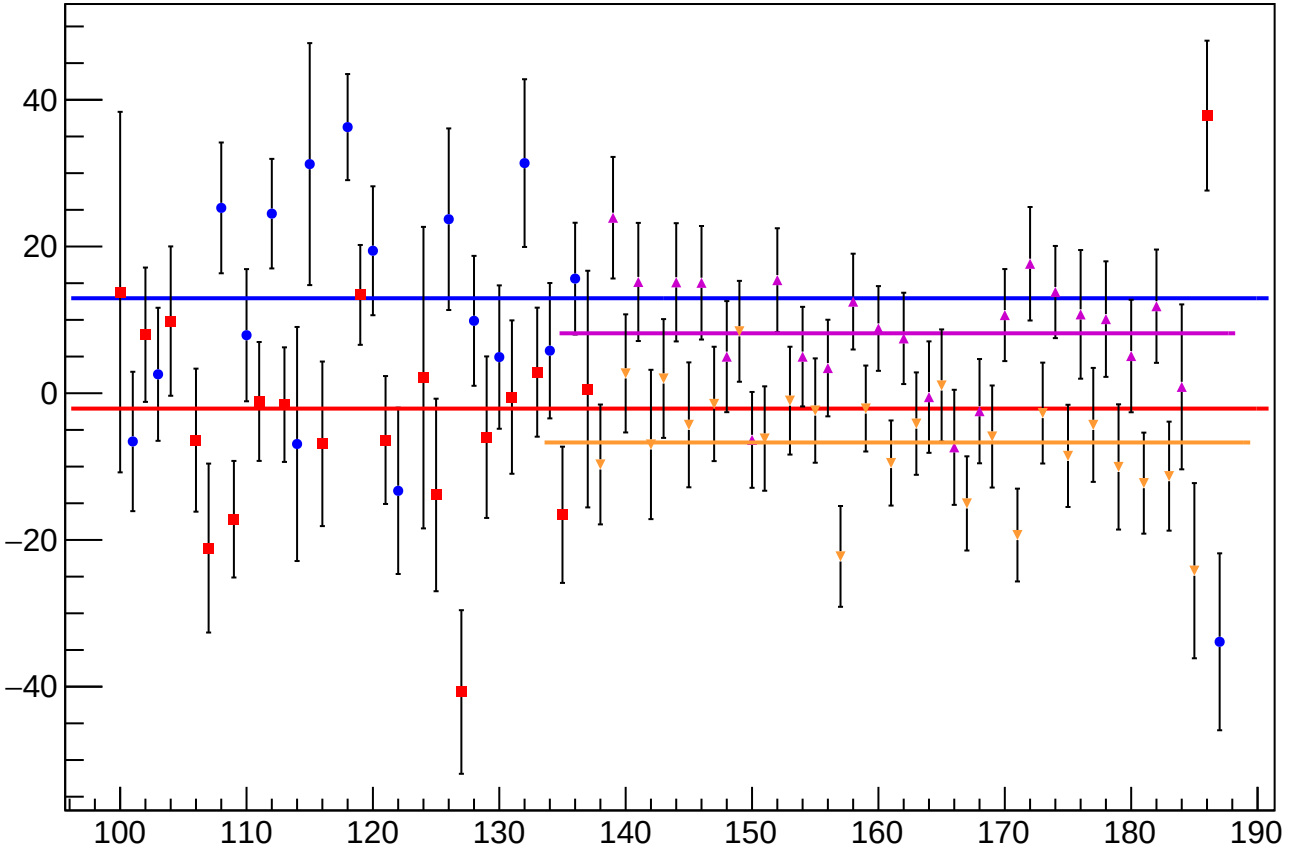
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1797.472+/-0.249 χ^2/NDF: 1321214.3/41

All: 1811.812+/-0.178 χ^2/NDF: 2345499.7/84

- sign 1826.864+/-0.255 χ^2/NDF: 1017476.0/42

diff_bpm0l06X_mean vs Slug



Right In: 12.949+/-2.314 χ^2/NDF: 49.2/16

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -2.093+/-2.219 χ^2/NDF: 46.2/19

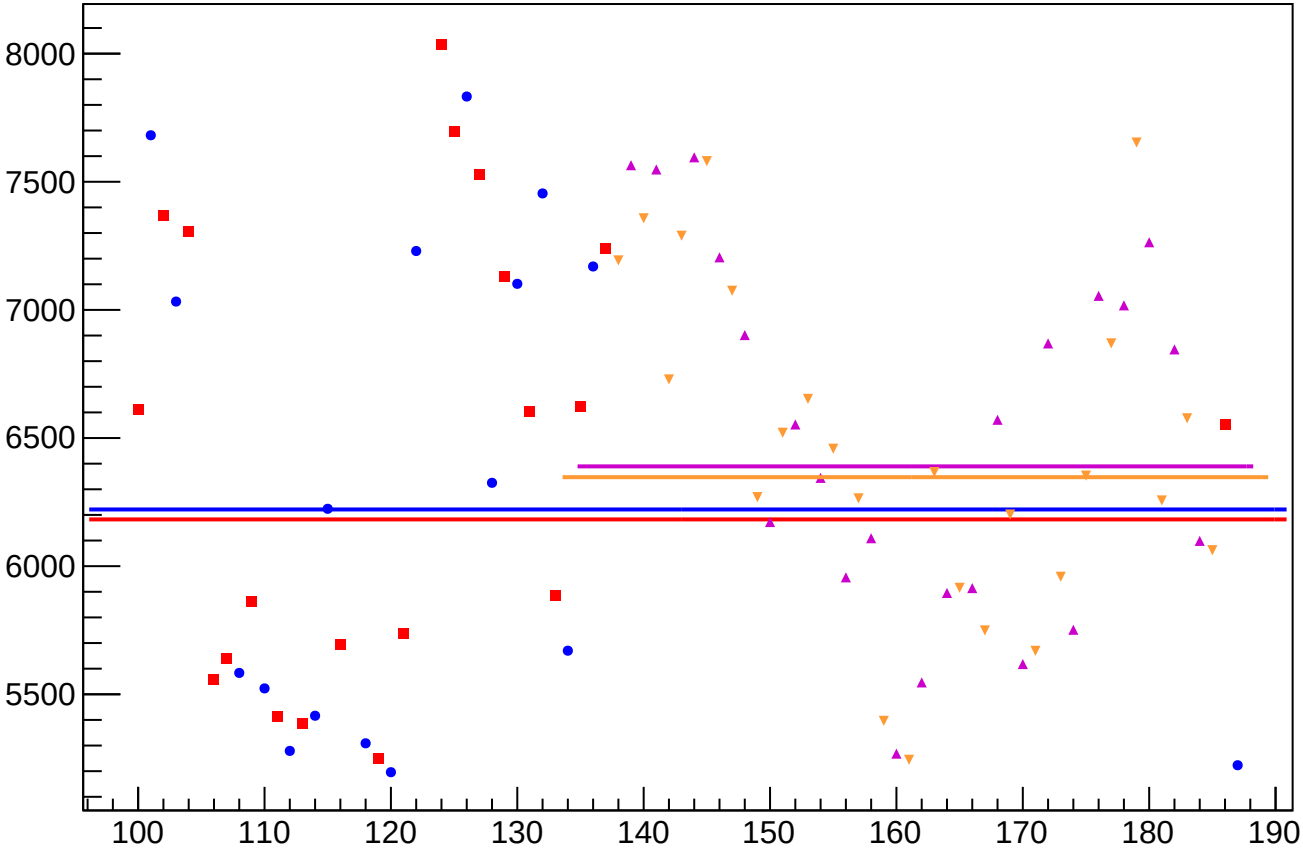
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

\+ sign -1.126+/-1.233 χ^2/NDF: 126.5/41

All: 1.862+/-0.877 χ^2/NDF: 223.4/84

\- sign 4.923+/-1.248 χ^2/NDF: 85.0/42

diff_bpm0l06X_rms vs Slug



Right In: 6221.273+/-1.636 χ^2/NDF: 322828.2/16

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6182.435+/-1.569 χ^2/NDF: 267801.7/19

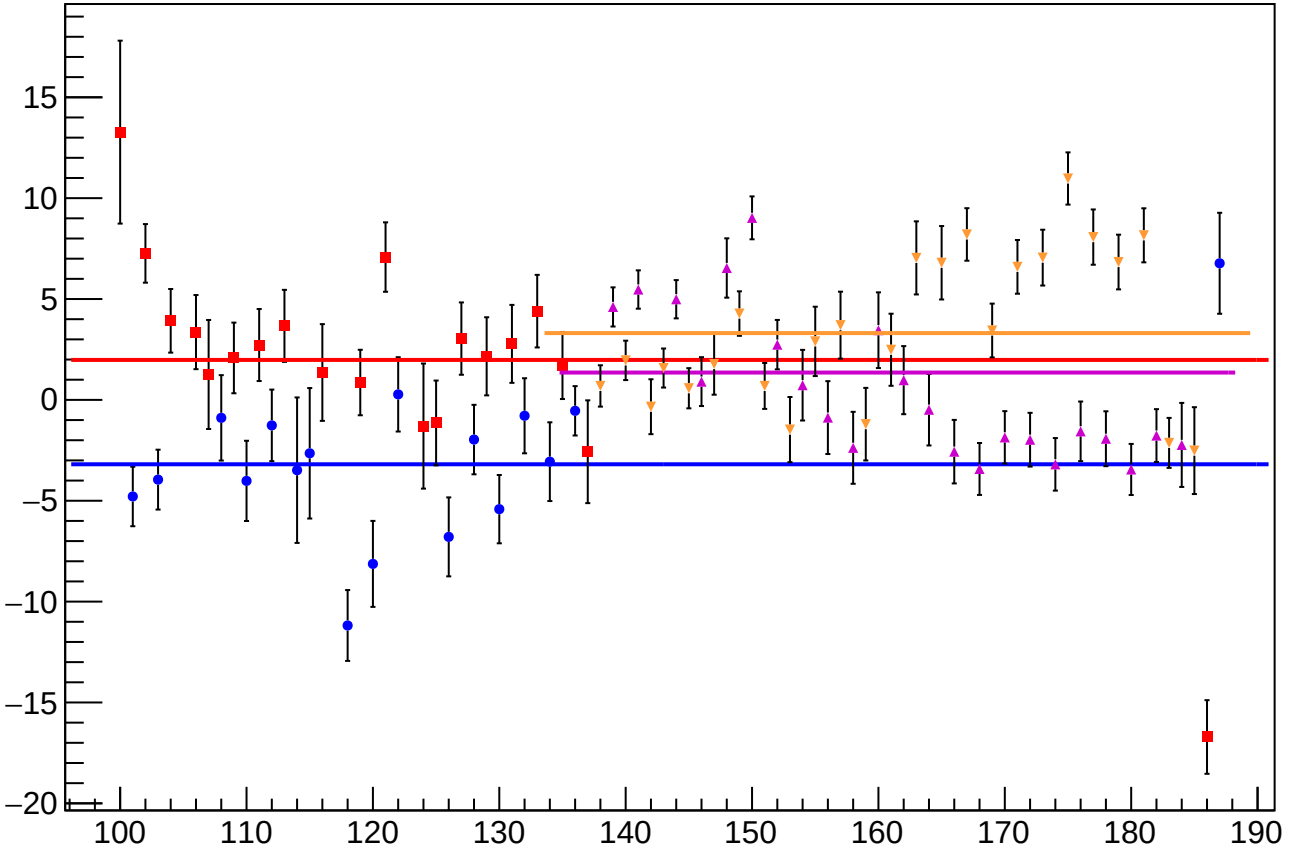
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6311.481+/-0.872 χ^2/NDF: 713100.2/41

All: 6317.631+/-0.620 χ^2/NDF: 1412650.7/84

- sign 6323.932+/-0.883 χ^2/NDF: 699449.8/42

diff_bpm0l06Y_mean vs Slug



Right In: -3.192+/-0.445 χ^2/NDF: 61.5/16

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 1.981+/-0.426 χ^2/NDF: 145.7/19

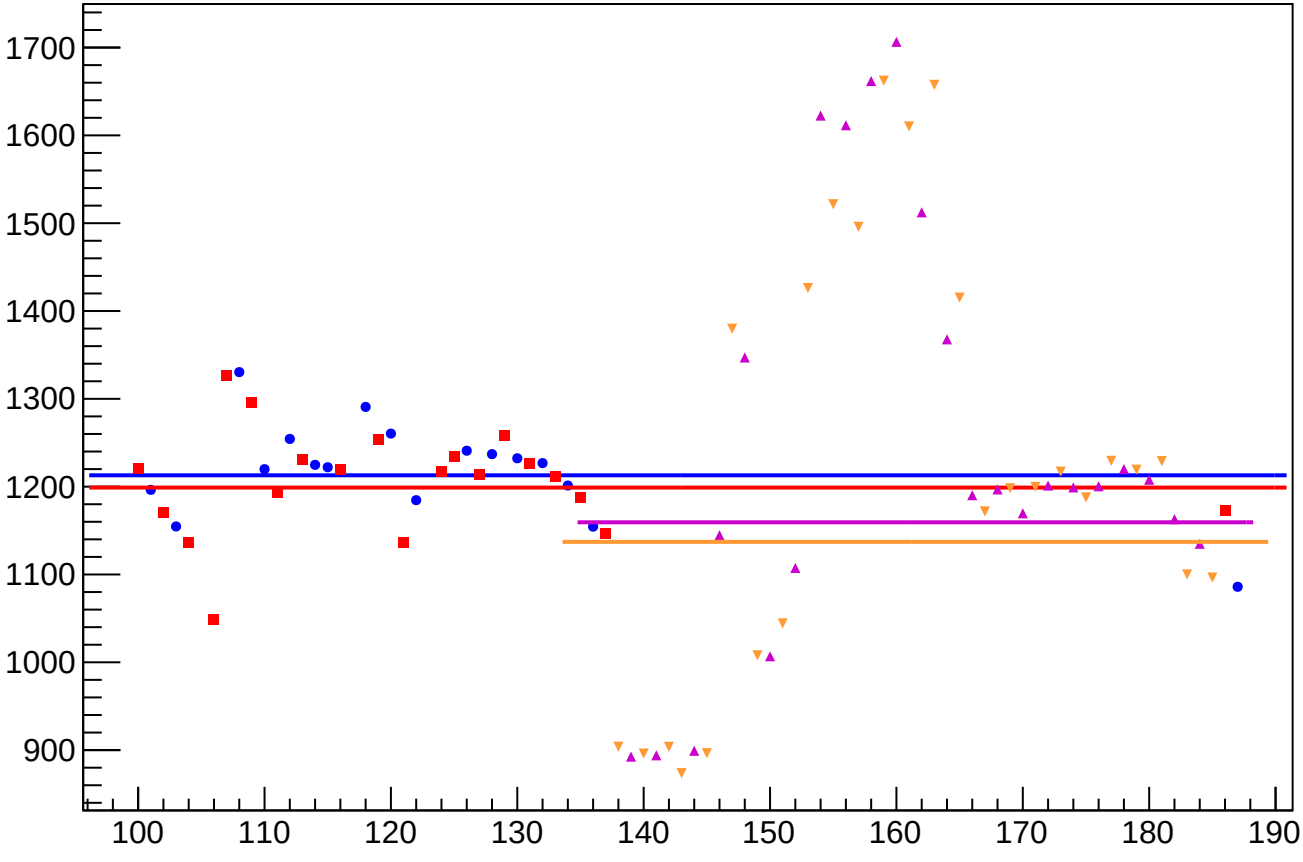
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.615+/-0.227 χ^2/NDF: 397.1/41

All: 1.579+/-0.162 χ^2/NDF: 740.7/84

- sign 1.541+/-0.232 χ^2/NDF: 343.5/42

diff_bpm0l06Y_rms vs Slug



Right In: 1212.946+/-0.315 χ^2/NDF: 27001.7/16

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1198.965+/-0.301 χ^2/NDF: 38102.4/19

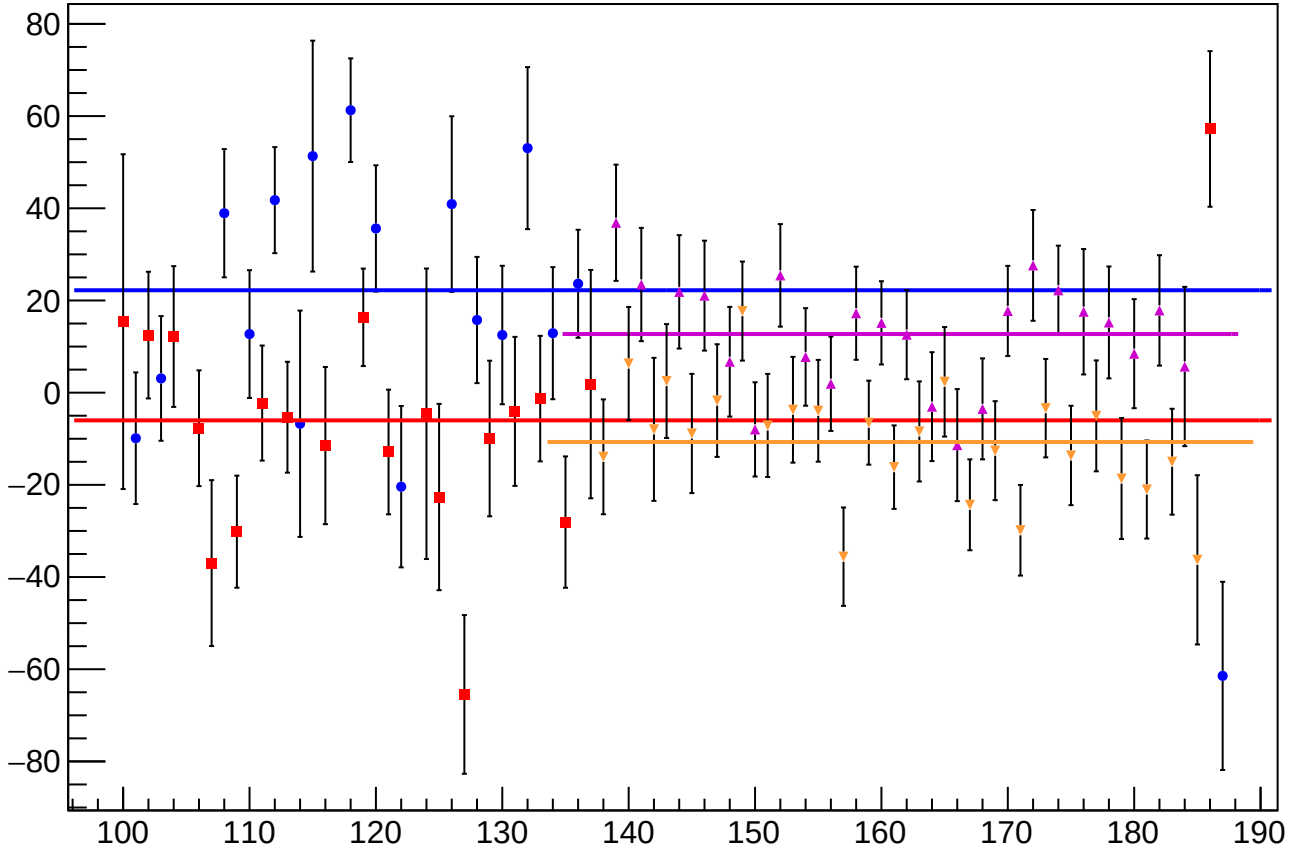
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1156.918+/-0.161 χ^2/NDF: 1539540.1/41

All: 1163.889+/-0.115 χ^2/NDF: 2853380.1/84

- sign 1171.151+/-0.164 χ^2/NDF: 1310001.1/42

diff_bpm0l07X_mean vs Slug



Right In: 22.218+/-3.572 χ^2/NDF: 55.5/16

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

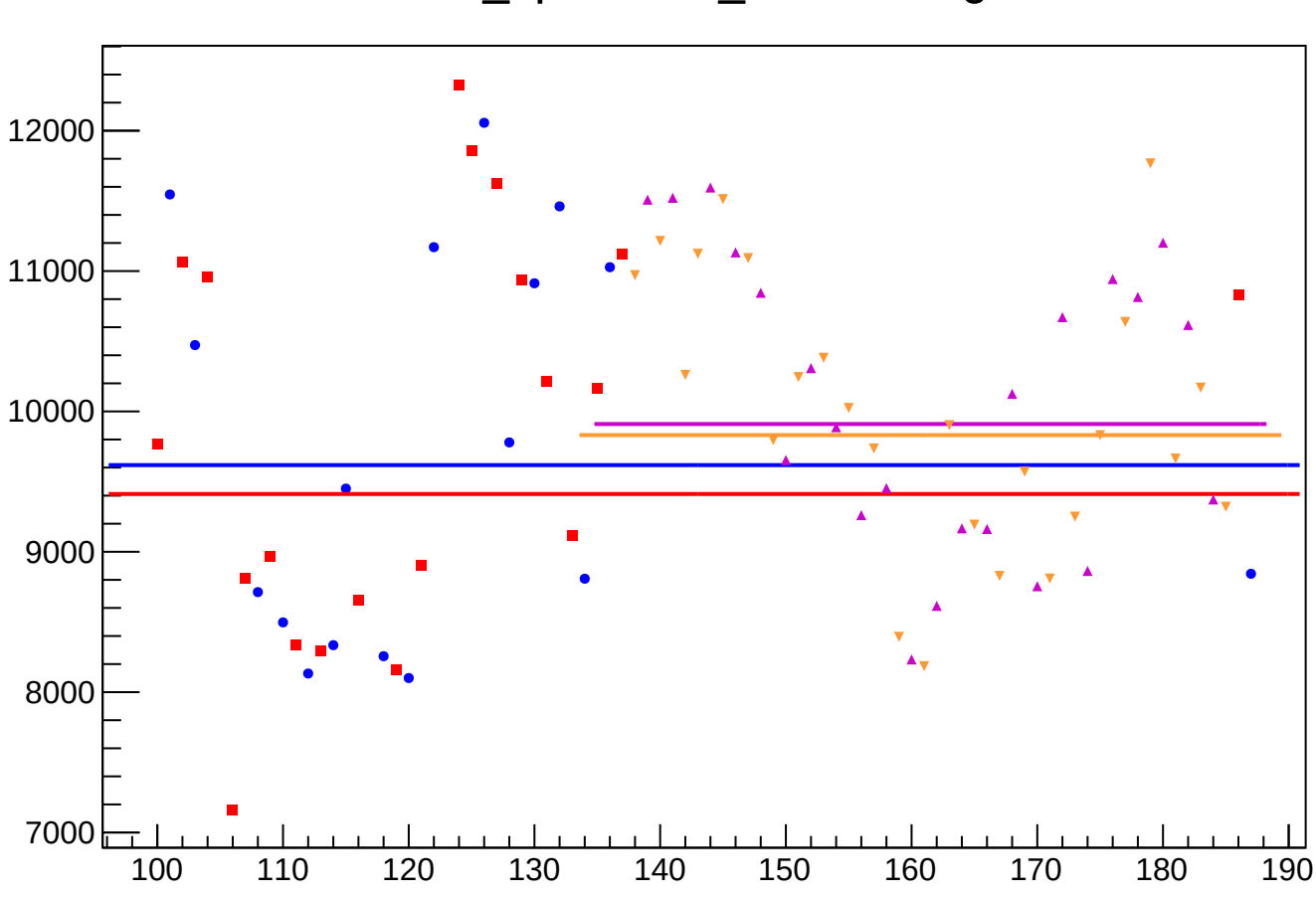
Right Out: -6.012+/-3.384 χ^2/NDF: 44.7/19

Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -1.304+/-1.908 χ^2/NDF: 144.9/41

All: 2.641+/-1.355 χ^2/NDF: 243.0/84

- sign 6.656+/-1.925 χ^2/NDF: 89.5/42



Right In: 9617.620+/-2.526 χ^2/NDF: 282625.5/16

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9411.758+/-2.393 χ^2/NDF: 316434.1/19

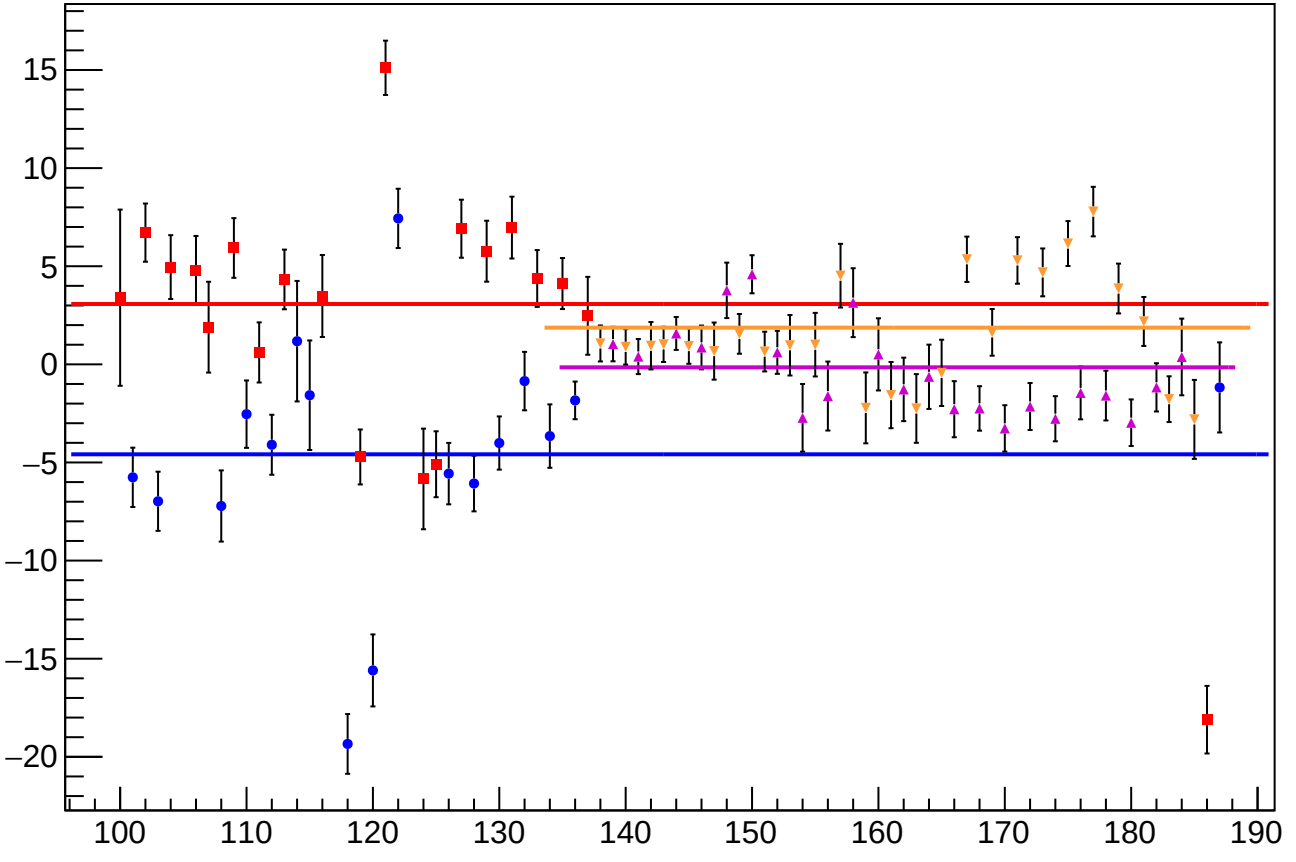
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9770.322+/-1.349 χ^2/NDF: 643865.3/41

All: 9759.718+/-0.958 χ^2/NDF: 1379156.1/84

- sign 9748.925+/-1.361 χ^2/NDF: 735166.2/42

diff_bpm0l07Y_mean vs Slug



Right In: -4.584+/-0.380 χ^2/NDF: 223.4/16

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.076+/-0.368 χ^2/NDF: 326.5/19

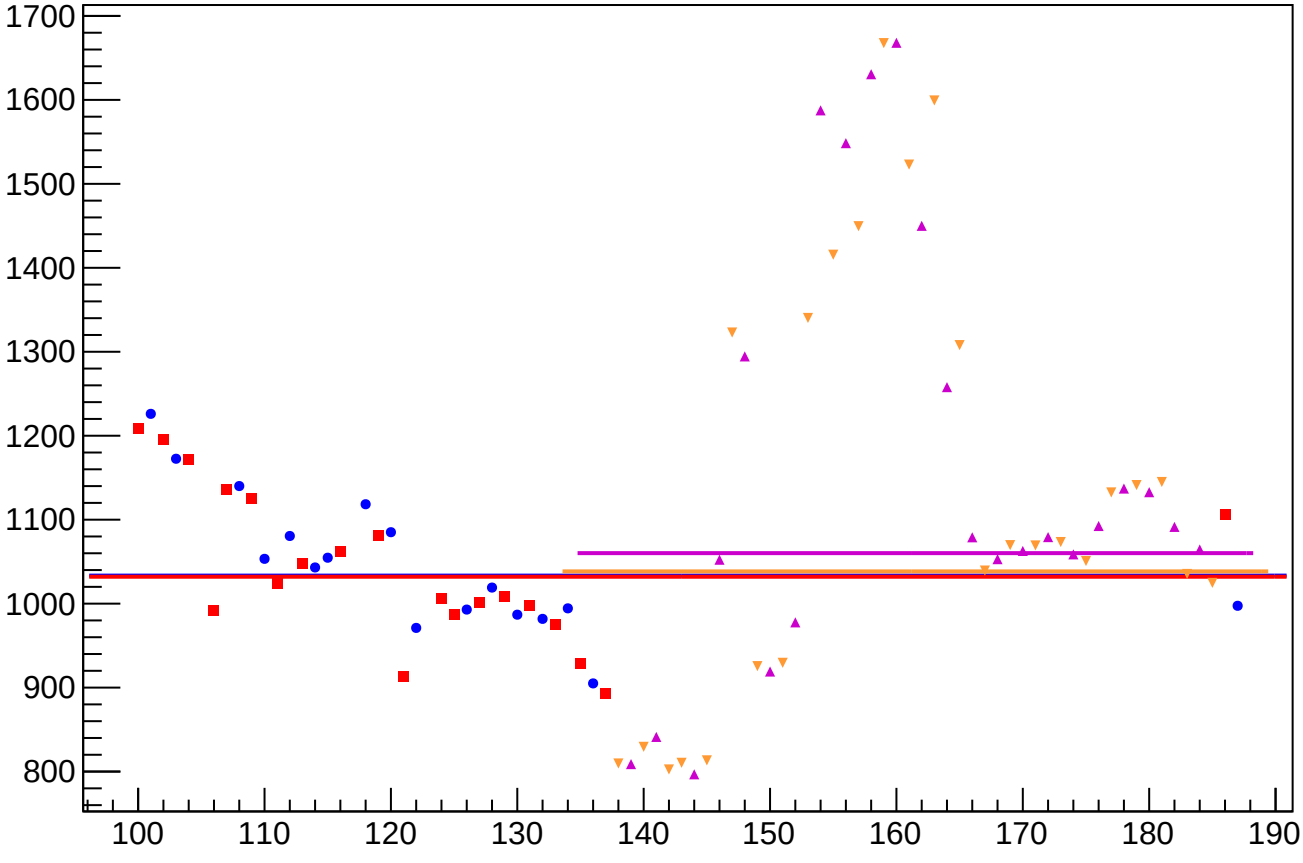
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.003+/-0.205 χ^2/NDF: 531.2/41

All: 0.438+/-0.146 χ^2/NDF: 994.7/84

- sign 0.893+/-0.209 χ^2/NDF: 454.3/42

diff_bpm0l07Y_rms vs Slug



Right In: 1033.387+/-0.269 χ^2/NDF: 113782.8/16

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 1032.065+/-0.260 χ^2/NDF: 105560.3/19

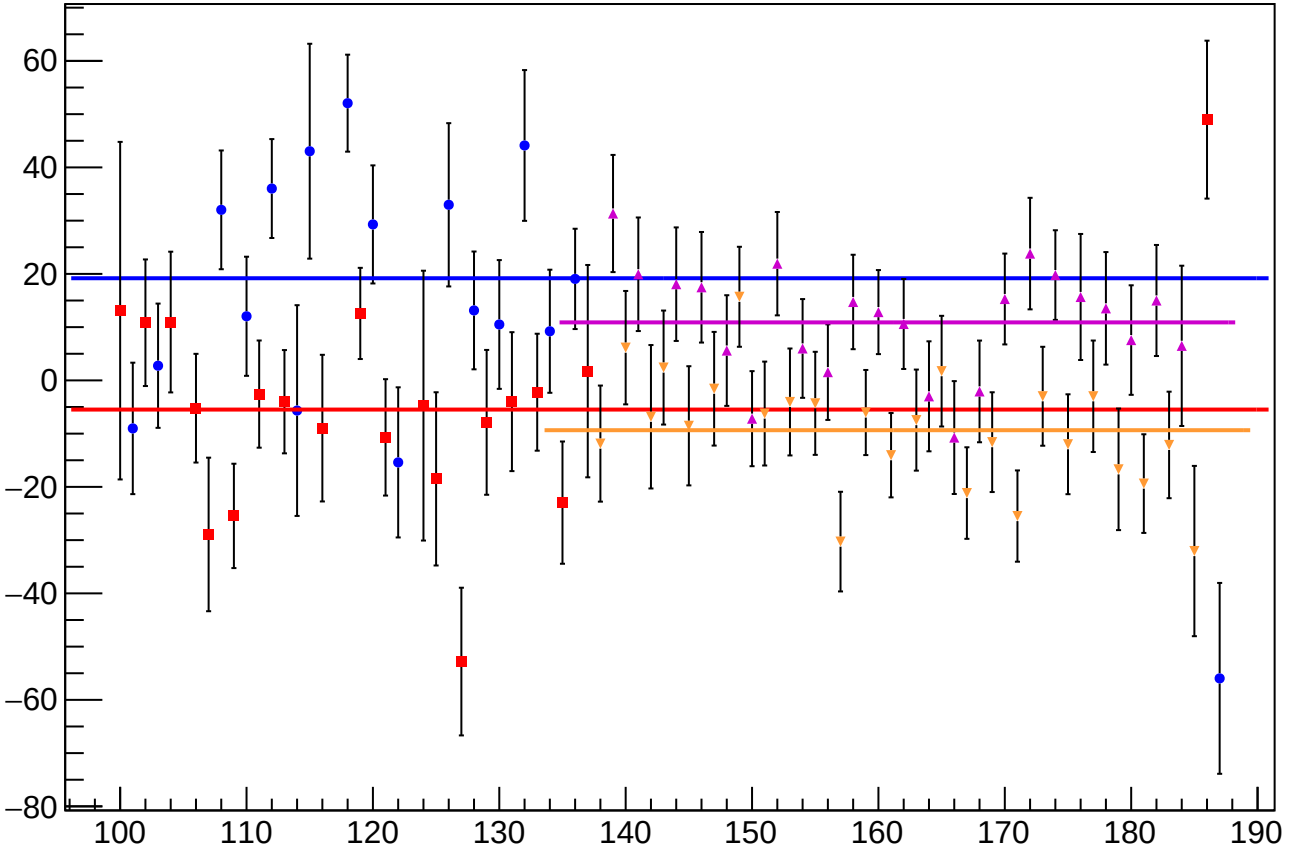
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1036.955+/-0.145 χ^2/NDF: 1820713.0/41

All: 1043.849+/-0.103 χ^2/NDF: 3462037.1/84

- sign 1051.063+/-0.148 χ^2/NDF: 1636675.9/42

diff_bpm0l08X_mean vs Slug



Right In: 19.184+/-2.913 χ^2/NDF: 58.1/16

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

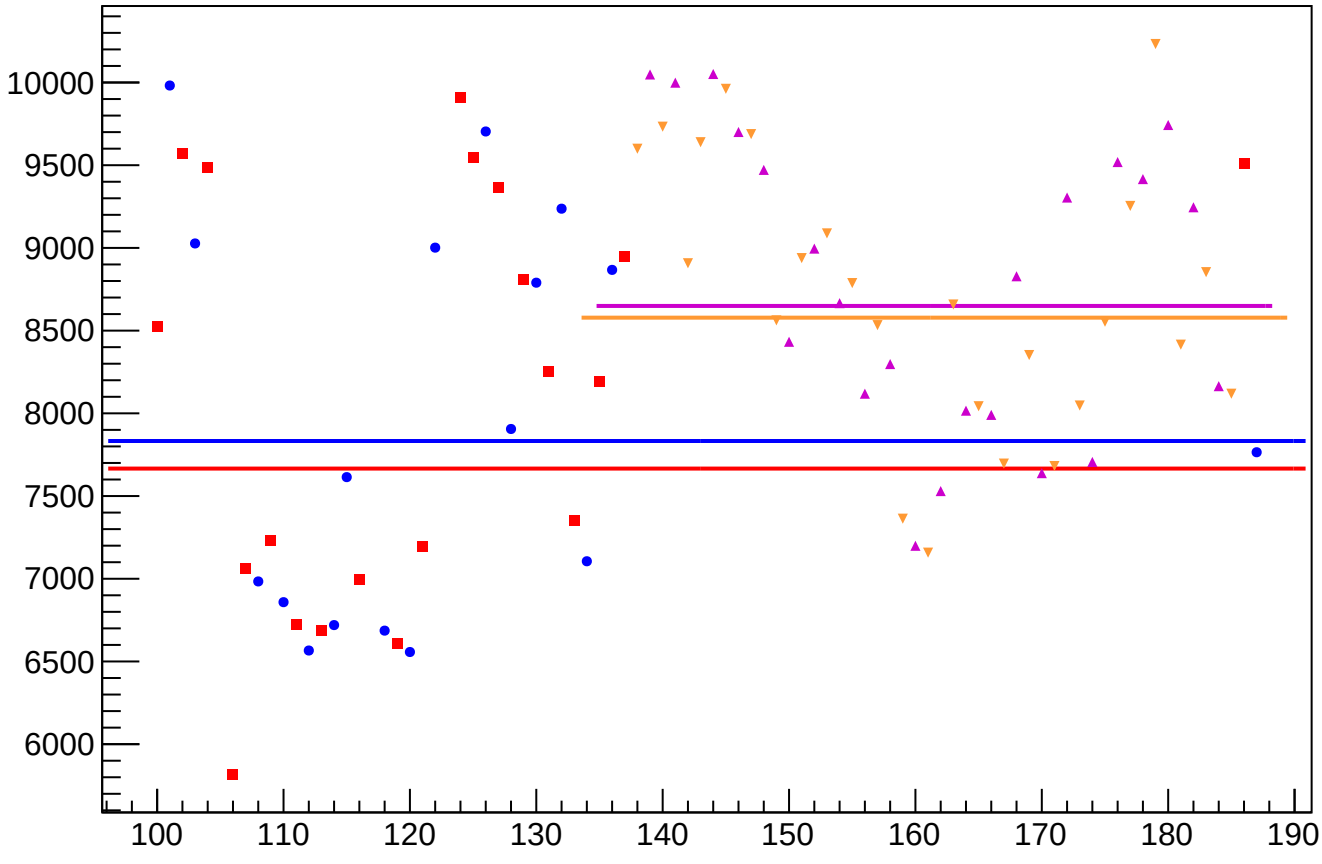
Right Out: -5.480+/-2.761 χ^2/NDF: 43.8/19

Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -0.402+/-1.631 χ^2/NDF: 152.5/41

All: 2.332+/-1.157 χ^2/NDF: 248.2/84

- sign 5.102+/-1.642 χ^2/NDF: 90.1/42



Right In: 7832.775+/-2.059 χ^2/NDF: 318119.1/16

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7666.054+/-1.952 χ^2/NDF: 376415.0/19

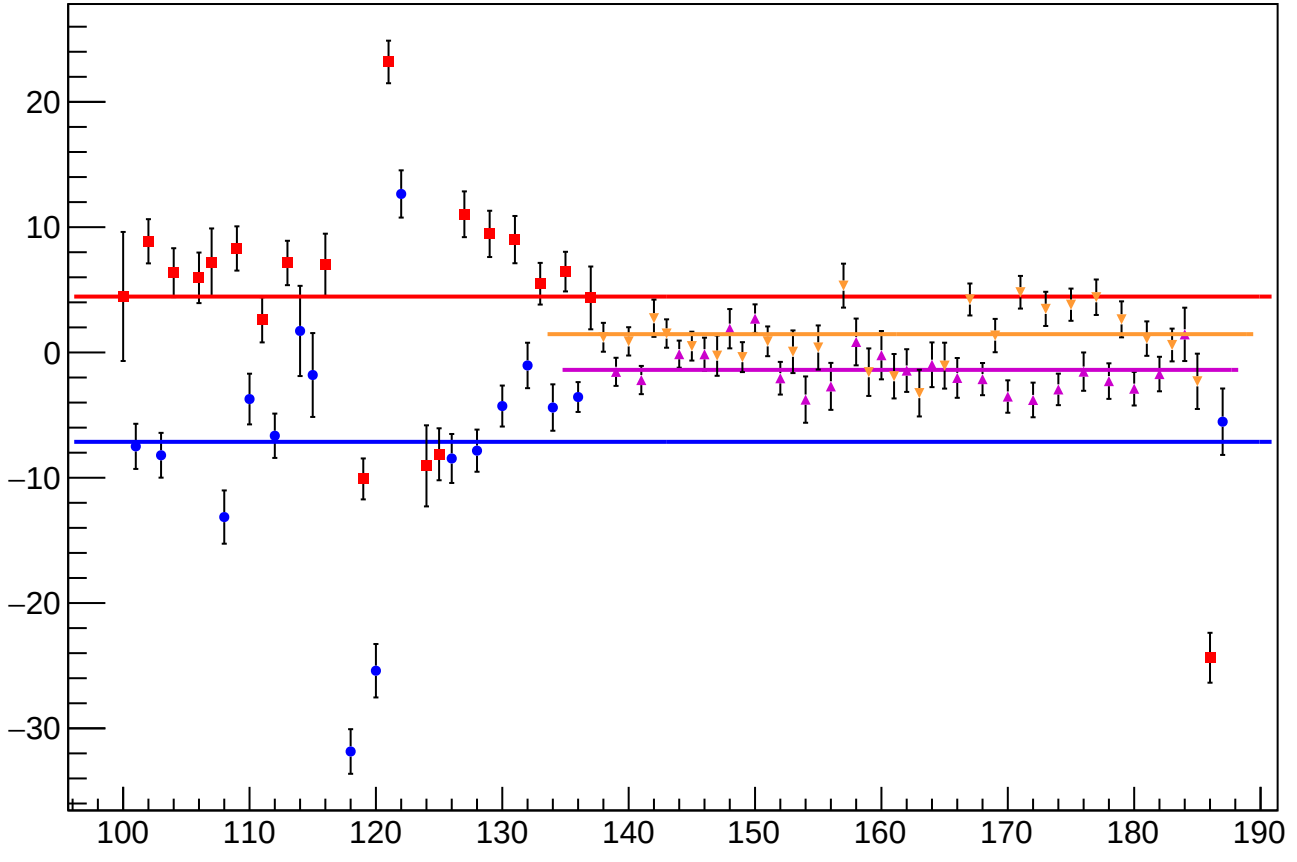
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8344.487+/-1.154 χ^2/NDF: 751794.6/41

All: 8323.141+/-0.818 χ^2/NDF: 1670725.8/84

- sign 8301.513+/-1.161 χ^2/NDF: 918241.8/42

diff_bpm0l08Y_mean vs Slug



Right In: -7.134+/-0.455 χ^2/NDF: 422.6/16

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

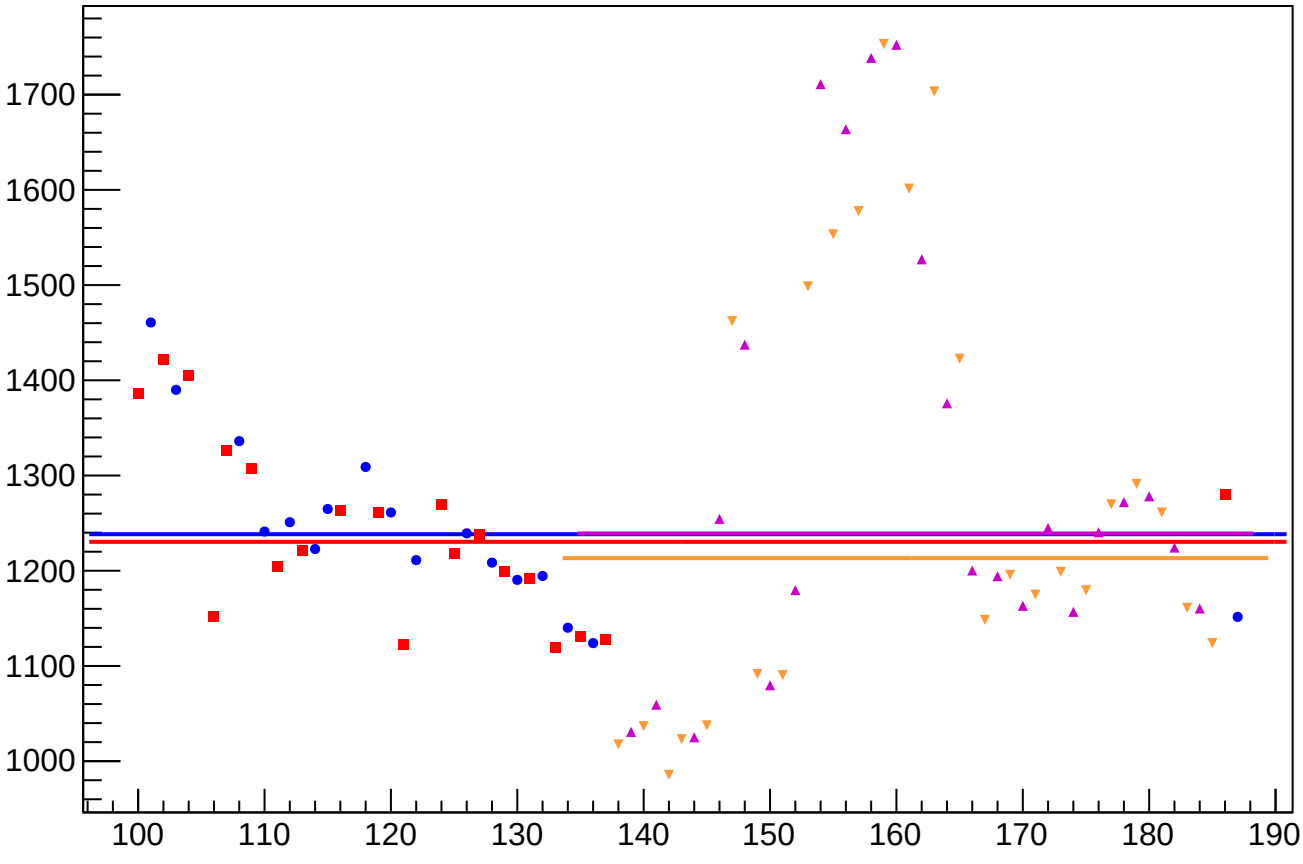
Right Out: 4.461+/-0.438 χ^2/NDF: 510.6/19

Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -0.903+/-0.239 χ^2/NDF: 731.8/41

All: -0.252+/-0.171 χ^2/NDF: 1416.0/84

- sign 0.429+/-0.244 χ^2/NDF: 669.0/42



Right In: 1238.365+/-0.322 χ^2/NDF: 82864.6/16

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1230.383+/-0.310 χ^2/NDF: 83638.8/19

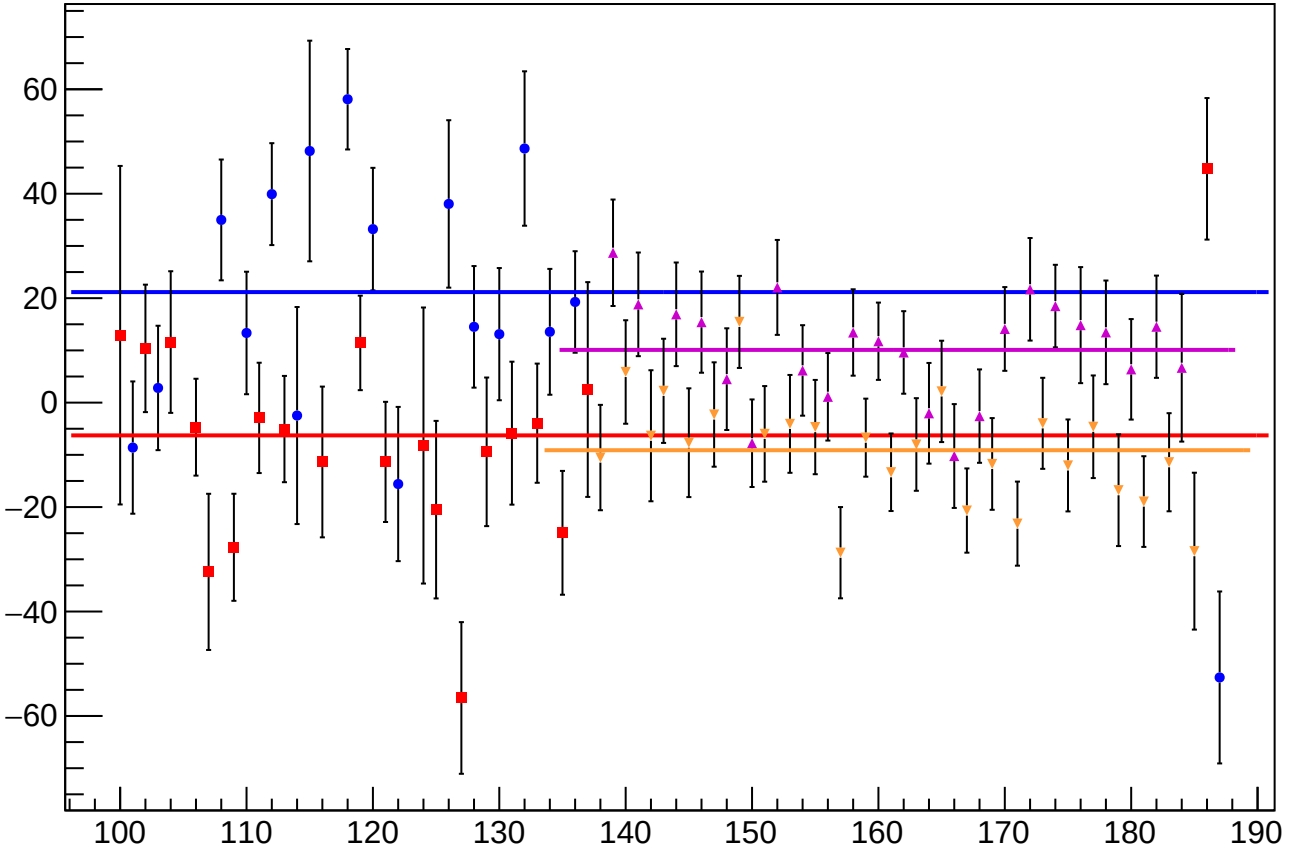
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1220.166+/-0.169 χ^2/NDF: 1100032.2/41

All: 1228.121+/-0.121 χ^2/NDF: 2074360.8/84

- sign 1236.441+/-0.173 χ^2/NDF: 969790.4/42

diff_bpm0l09X_mean vs Slug



Right In: 21.164+/-3.029 χ^2/NDF: 64.2/16

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

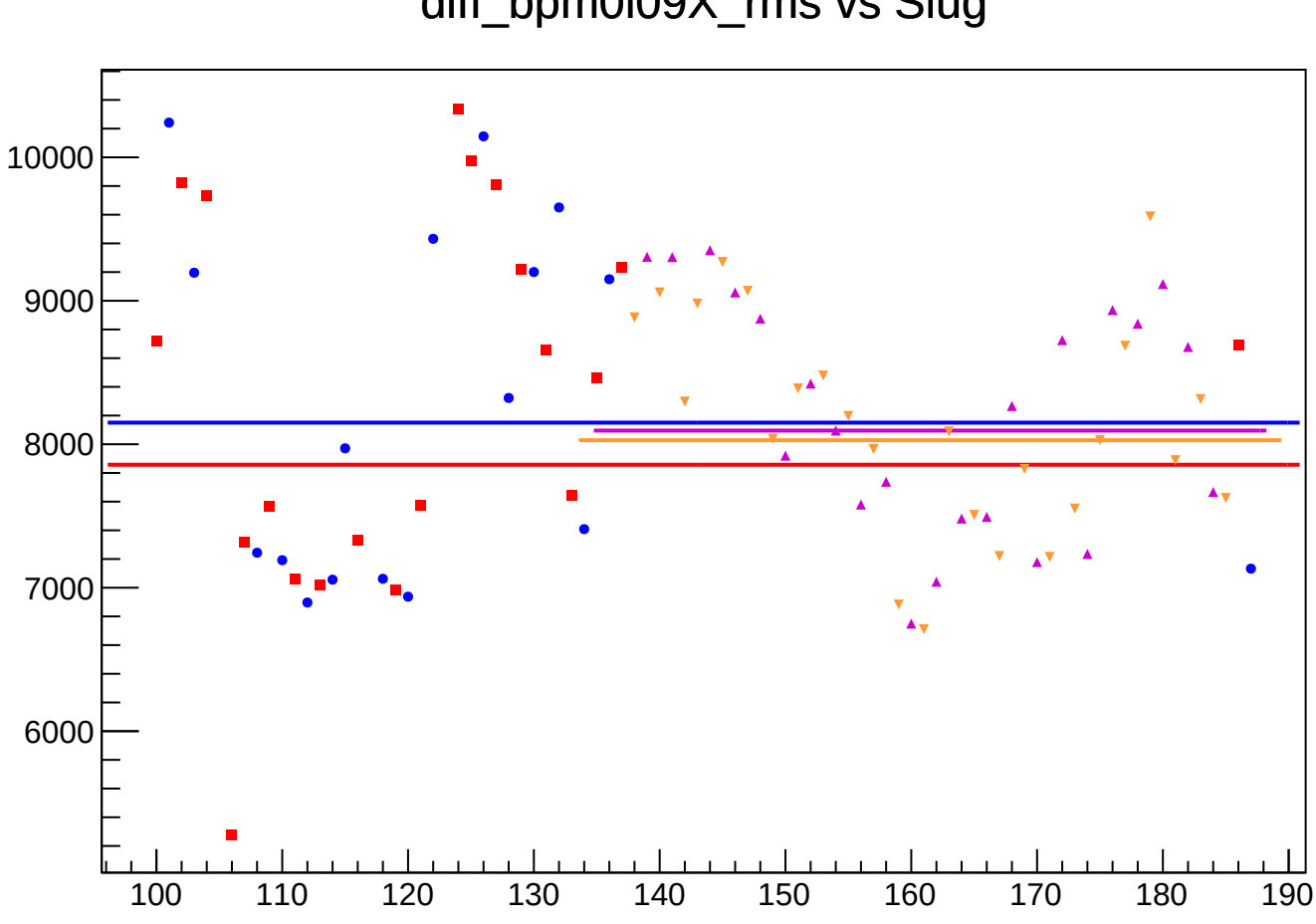
Right Out: -6.273+/-2.835 χ^2/NDF: 45.3/19

Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -0.936+/-1.574 χ^2/NDF: 165.9/41

All: 2.002+/-1.117 χ^2/NDF: 265.5/84

- sign 4.980+/-1.585 χ^2/NDF: 92.5/42



Right In: 8150.693+/-2.142 χ^2/NDF: 298545.1/16

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7857.234+/-2.005 χ^2/NDF: 430963.4/19

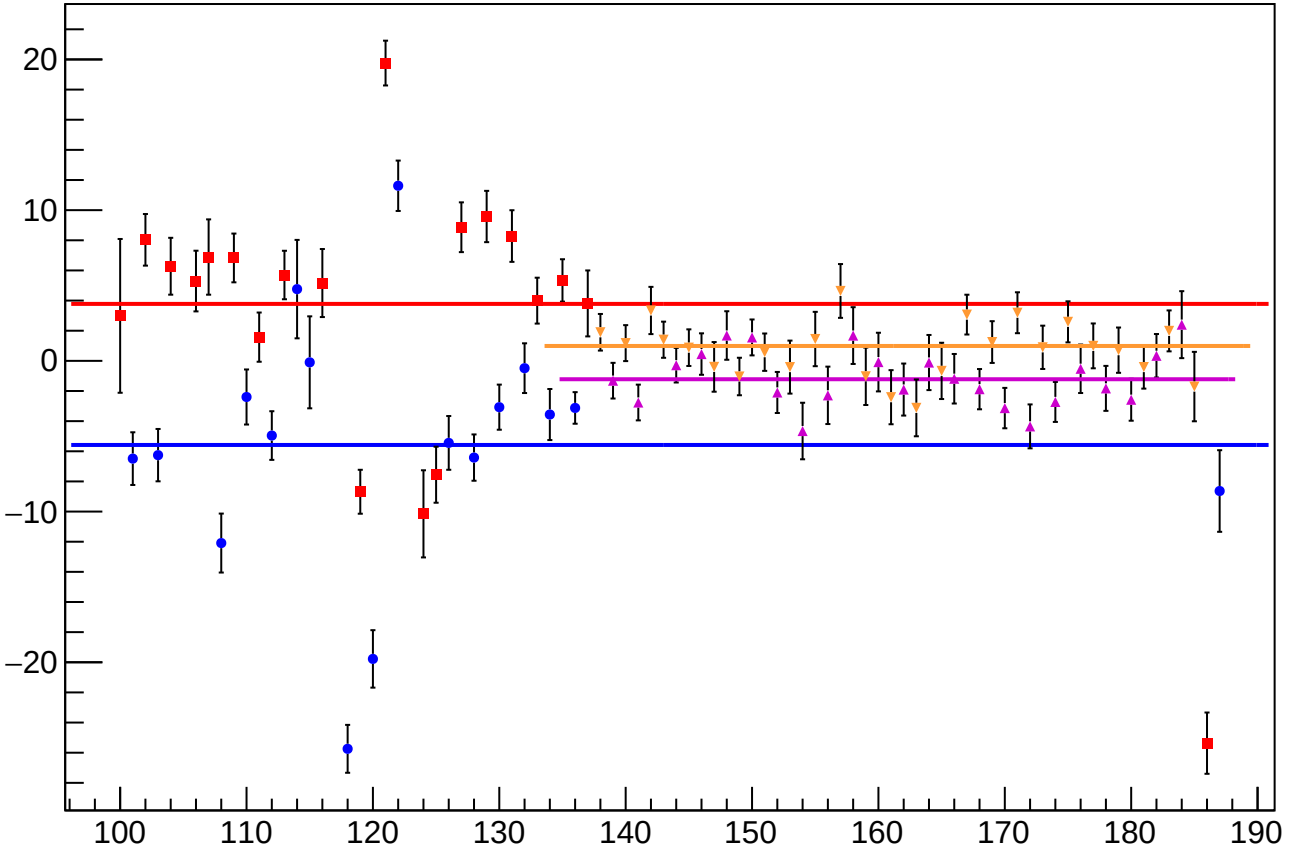
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 8061.180+/-1.113 χ^2/NDF: 633396.2/41

All: 8041.201+/-0.790 χ^2/NDF: 1442162.3/84

- sign 8020.951+/-1.121 χ^2/NDF: 808117.3/42

diff_bpm0l09Y_mean vs Slug



Right In: -5.580+/-0.416 χ^2/NDF: 371.1/16

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 3.780+/-0.402 χ^2/NDF: 501.2/19

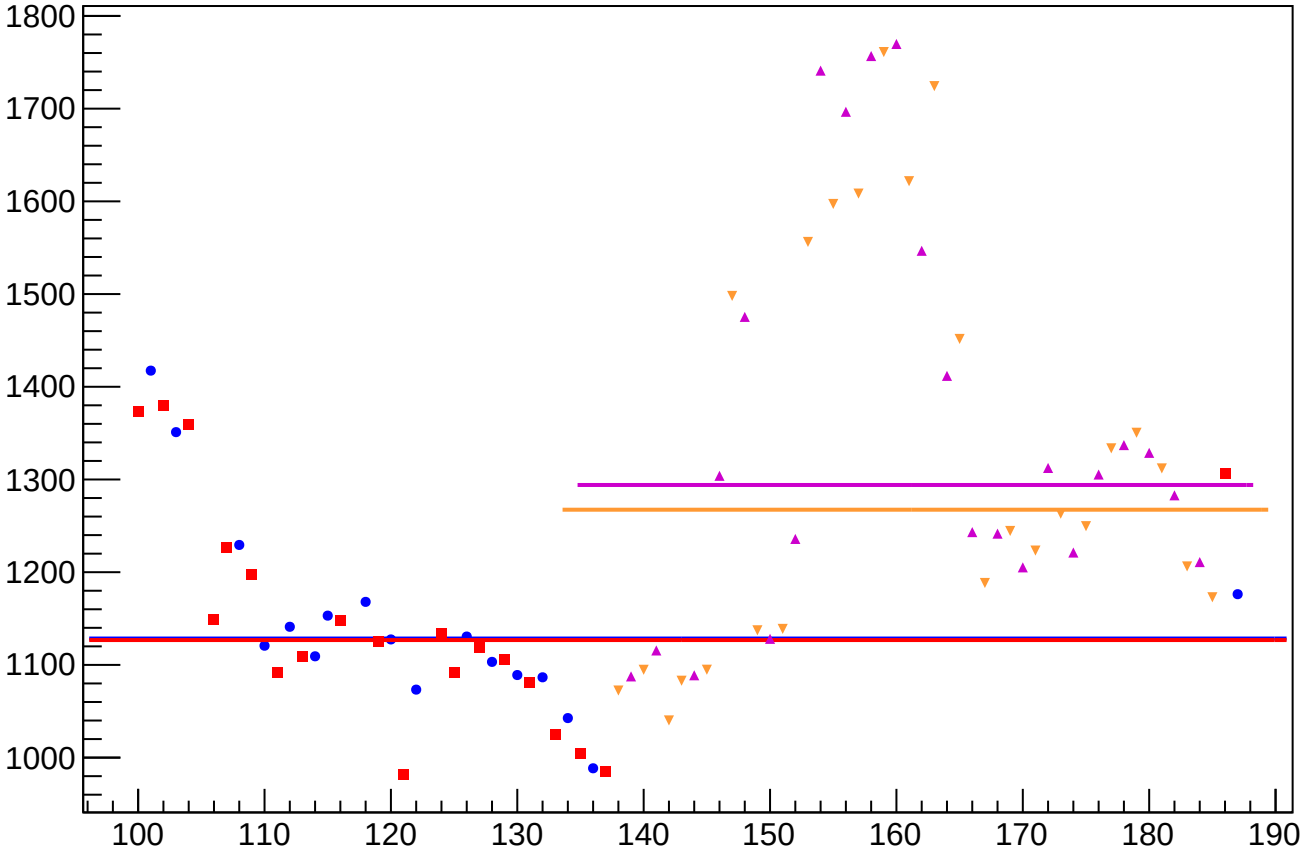
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.184+/-0.239 χ^2/NDF: 569.1/41

All: -0.301+/-0.171 χ^2/NDF: 1228.9/84

- sign 0.617+/-0.244 χ^2/NDF: 632.1/42

diff_bpm0l09Y_rms vs Slug



Right In: 1128.445+/-0.294 χ^2/NDF: 141255.2/16

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1126.807+/-0.284 χ^2/NDF: 157058.3/19

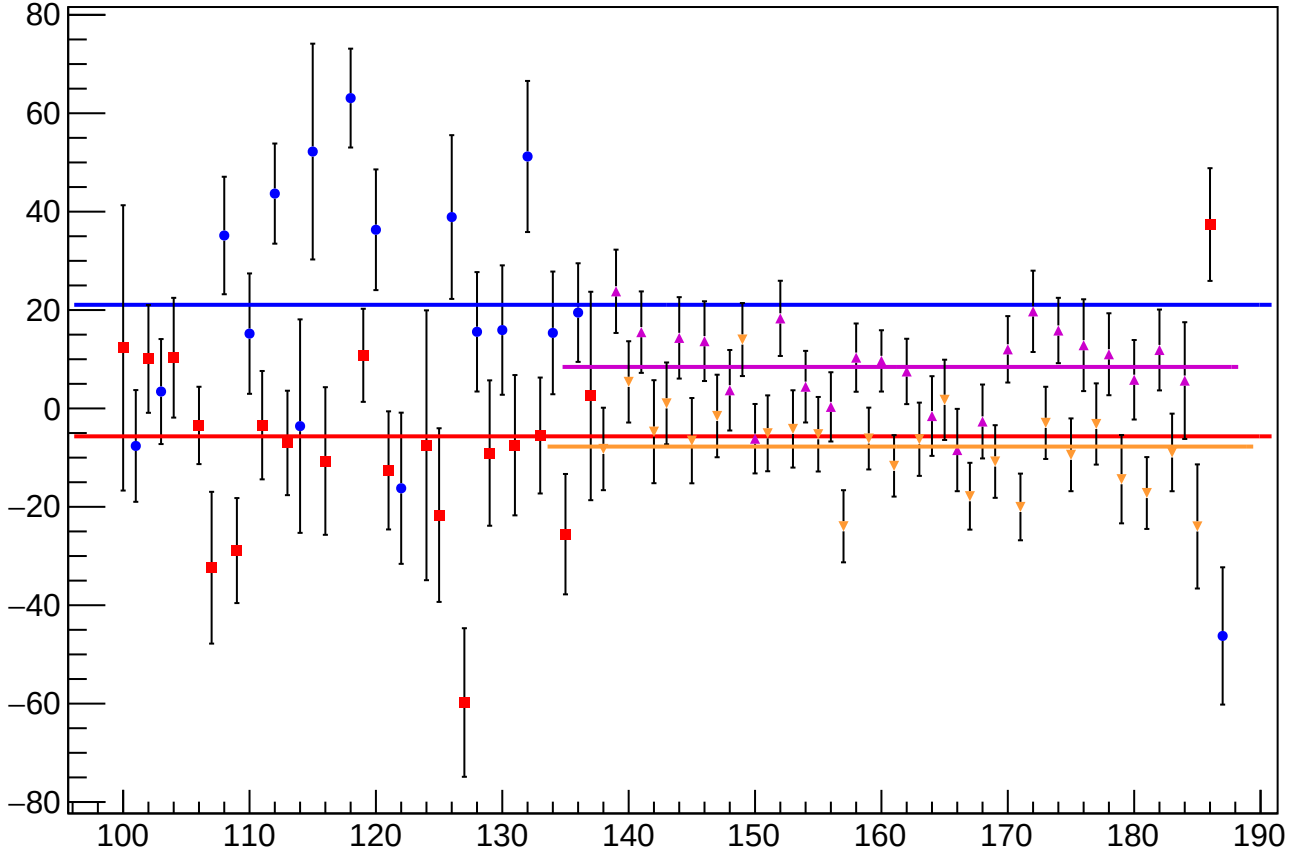
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1221.446+/-0.169 χ^2/NDF: 1169127.0/41

All: 1226.921+/-0.121 χ^2/NDF: 2305295.0/84

- sign 1232.612+/-0.172 χ^2/NDF: 1134030.4/42

diff_bpm0l10X_mean vs Slug



Right In: 21.064+/-3.060 χ^2/NDF: 72.8/16

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -5.672+/-2.803 χ^2/NDF: 46.2/19

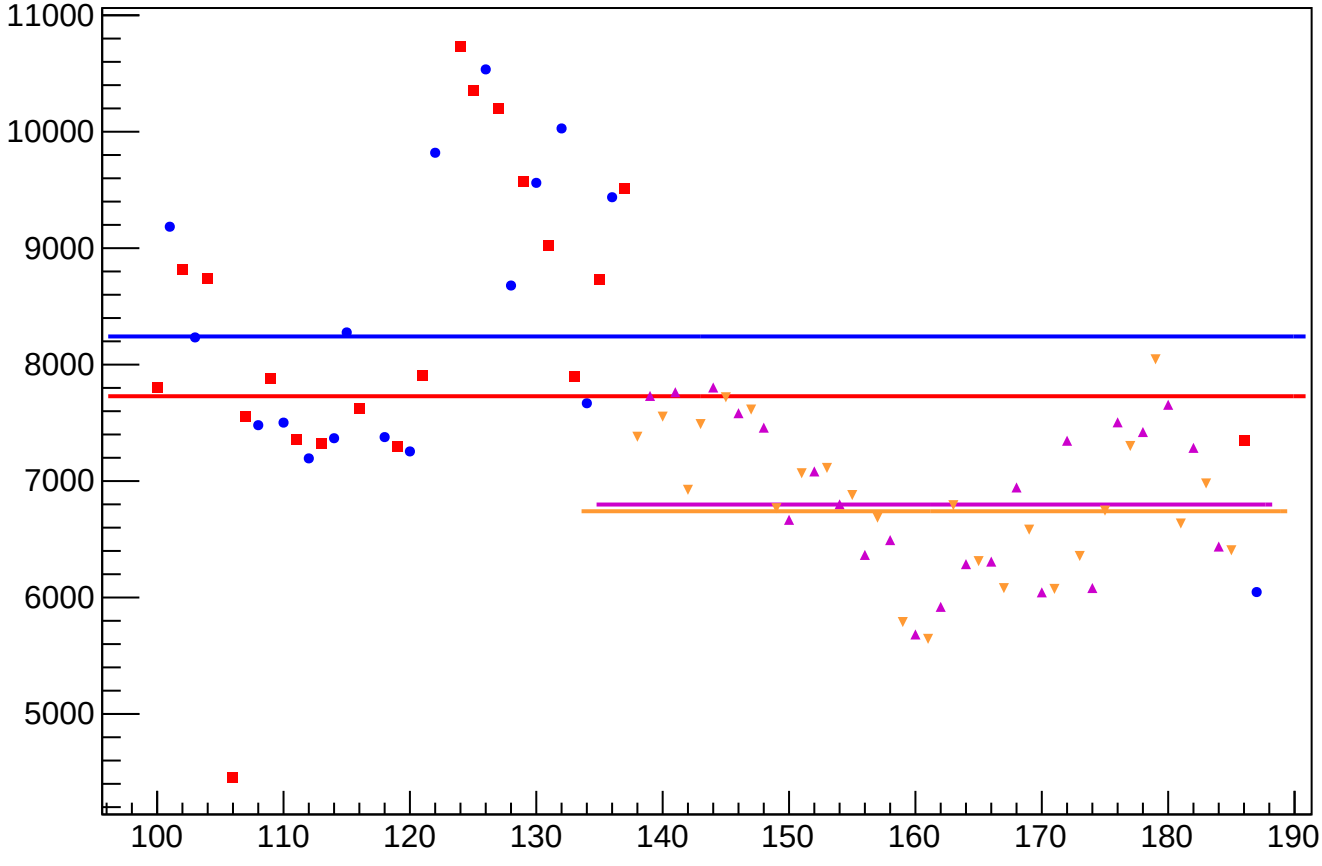
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -1.888+/-1.380 χ^2/NDF: 173.8/41

All: 1.503+/-0.980 χ^2/NDF: 276.1/84

- sign 4.955+/-1.393 χ^2/NDF: 90.1/42

diff_bpm0l10X_rms vs Slug



Right In: 8241.896+/-2.164 χ^2/NDF: 272394.6/16

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7728.572+/-1.982 χ^2/NDF: 590394.5/19

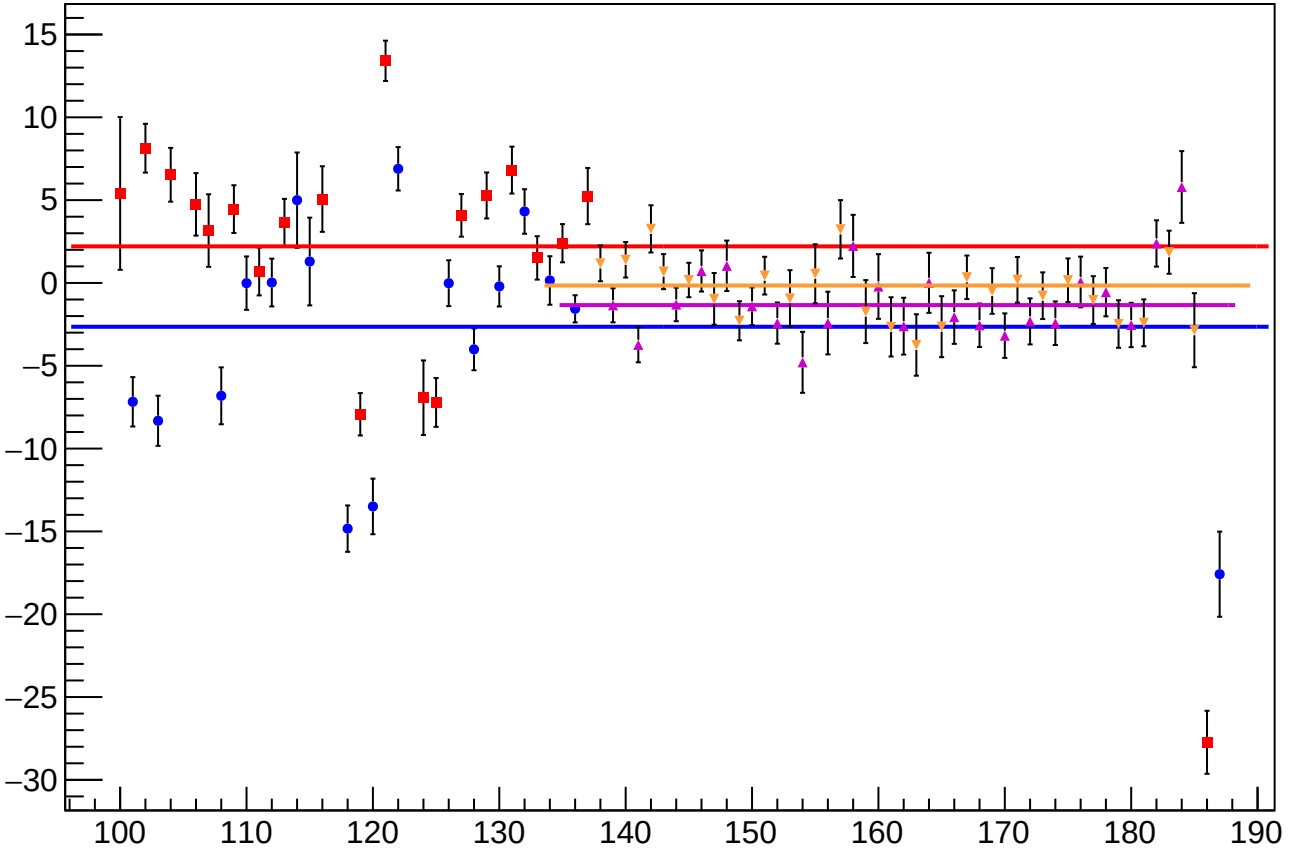
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 7046.294+/-0.976 χ^2/NDF: 972475.1/41

All: 7037.267+/-0.693 χ^2/NDF: 2082150.8/84

- sign 7028.078+/-0.985 χ^2/NDF: 1109503.1/42

diff_bpm0l10Y_mean vs Slug



Right In: -2.645+/-0.347 χ^2/NDF: 290.0/16

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 2.209+/-0.341 χ^2/NDF: 506.7/19

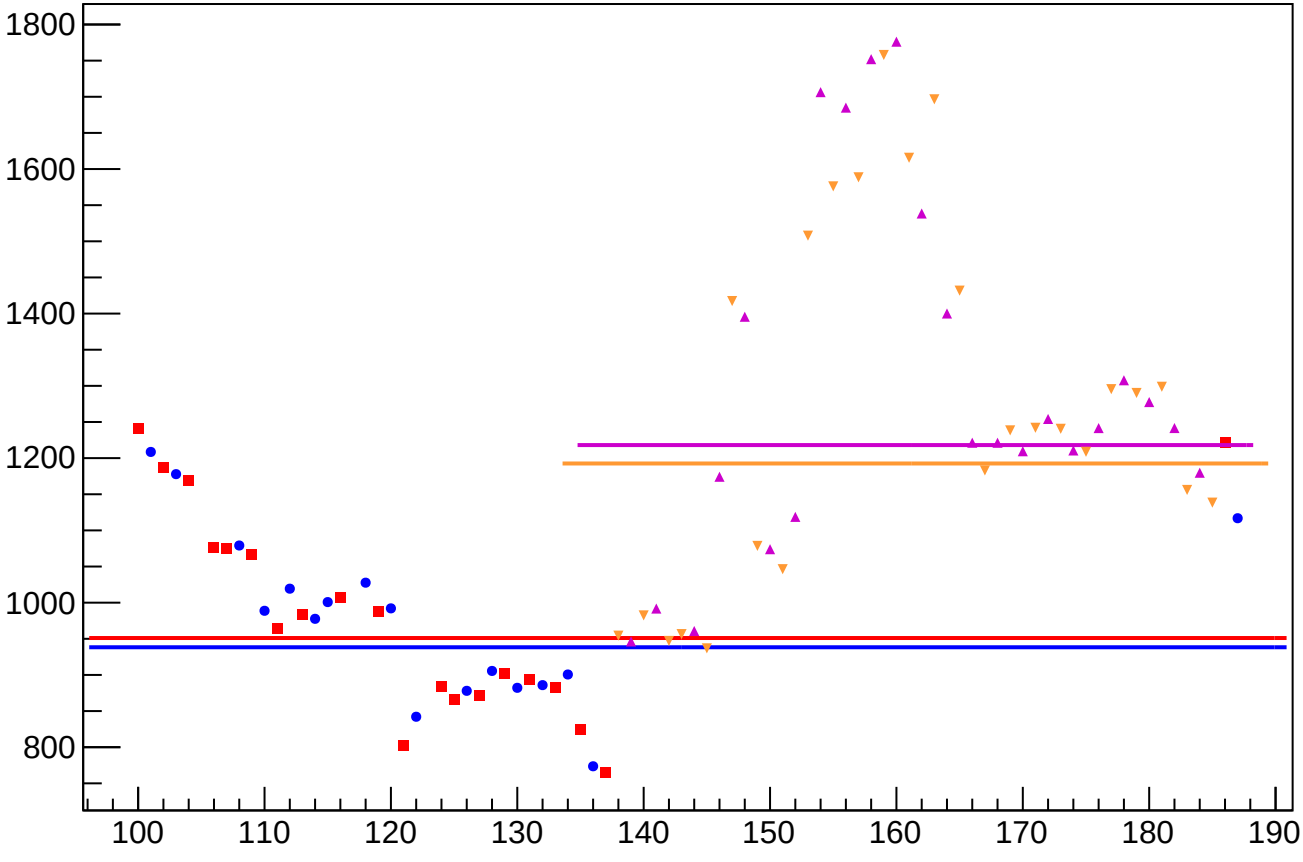
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -1.121+/-0.216 χ^2/NDF: 357.6/41

All: -0.497+/-0.155 χ^2/NDF: 988.0/84

- sign 0.153+/-0.221 χ^2/NDF: 613.5/42

diff_bpm0l10Y_rms vs Slug



Right In: 938.293+/-0.246 χ^2/NDF: 264191.4/16

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 951.083+/-0.241 χ^2/NDF: 274389.8/19

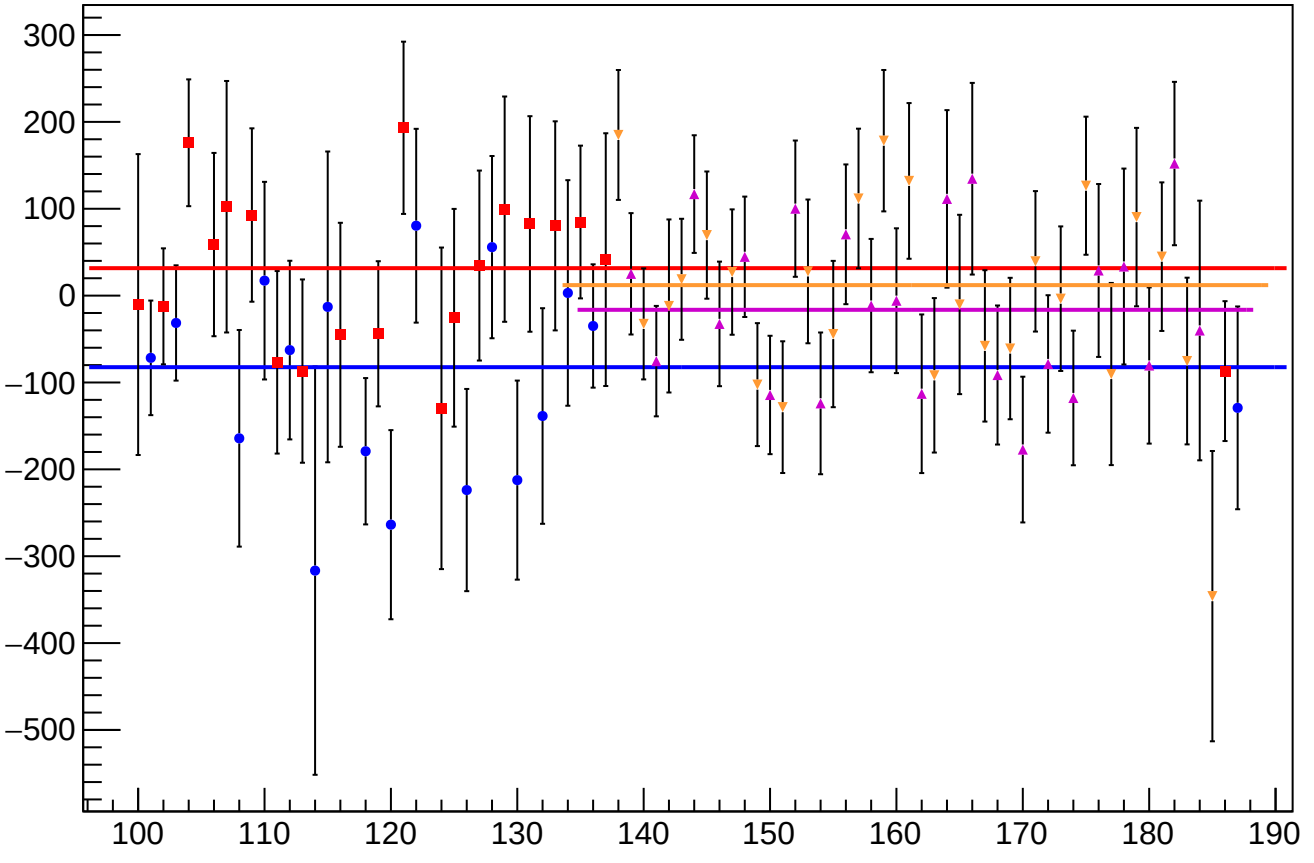
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1093.819+/-0.153 χ^2/NDF: 2240364.4/41

All: 1099.709+/-0.109 χ^2/NDF: 4357332.9/84

- sign 1105.848+/-0.156 χ^2/NDF: 2113942.9/42

diff_bpm0r03X_mean vs Slug



Right In: -82.383+/-24.360 χ^2/NDF: 15.0/16

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

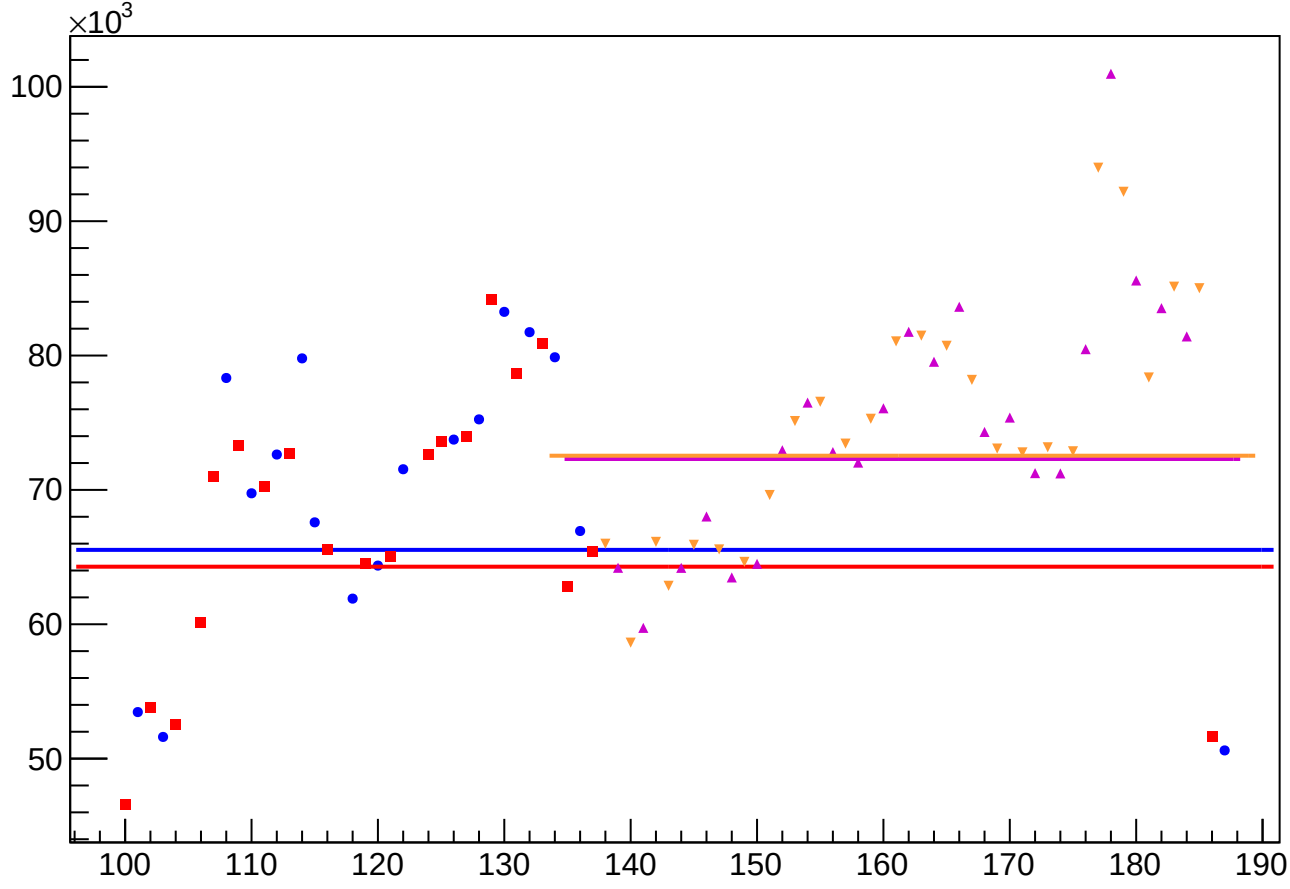
Right Out: 31.606+/-23.127 χ^2/NDF: 15.3/19

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -17.893+/-13.722 χ^2/NDF: 58.0/41

All: -8.685+/-9.698 χ^2/NDF: 105.8/84

- sign 0.502+/-13.707 χ^2/NDF: 46.8/42



Right In: 65536.343+/-17.225 χ^2/NDF: 372573.8/16

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 64284.449+/-16.353 χ^2/NDF: 358033.2/19

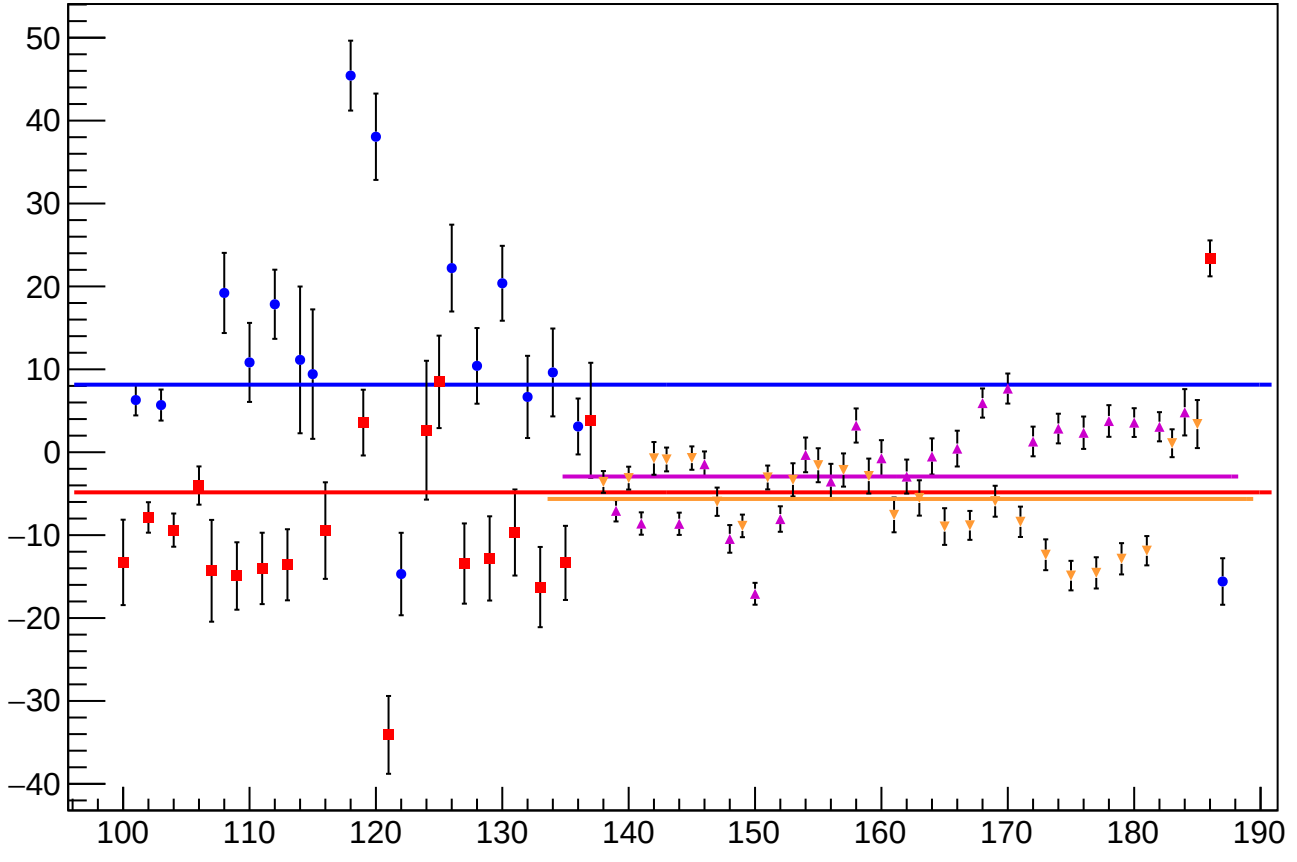
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 70320.621+/-9.703 χ^2/NDF: 985637.6/41

All: 69902.238+/-6.857 χ^2/NDF: 1992045.4/8

- sign 69484.799+/-9.692 χ^2/NDF: 1002693.6/42

diff_bpm0r03Y_mean vs Slug



Right In: 8.149+/-0.875 χ^2/NDF: 234.9/16

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -4.839+/-0.791 χ^2/NDF: 265.3/19

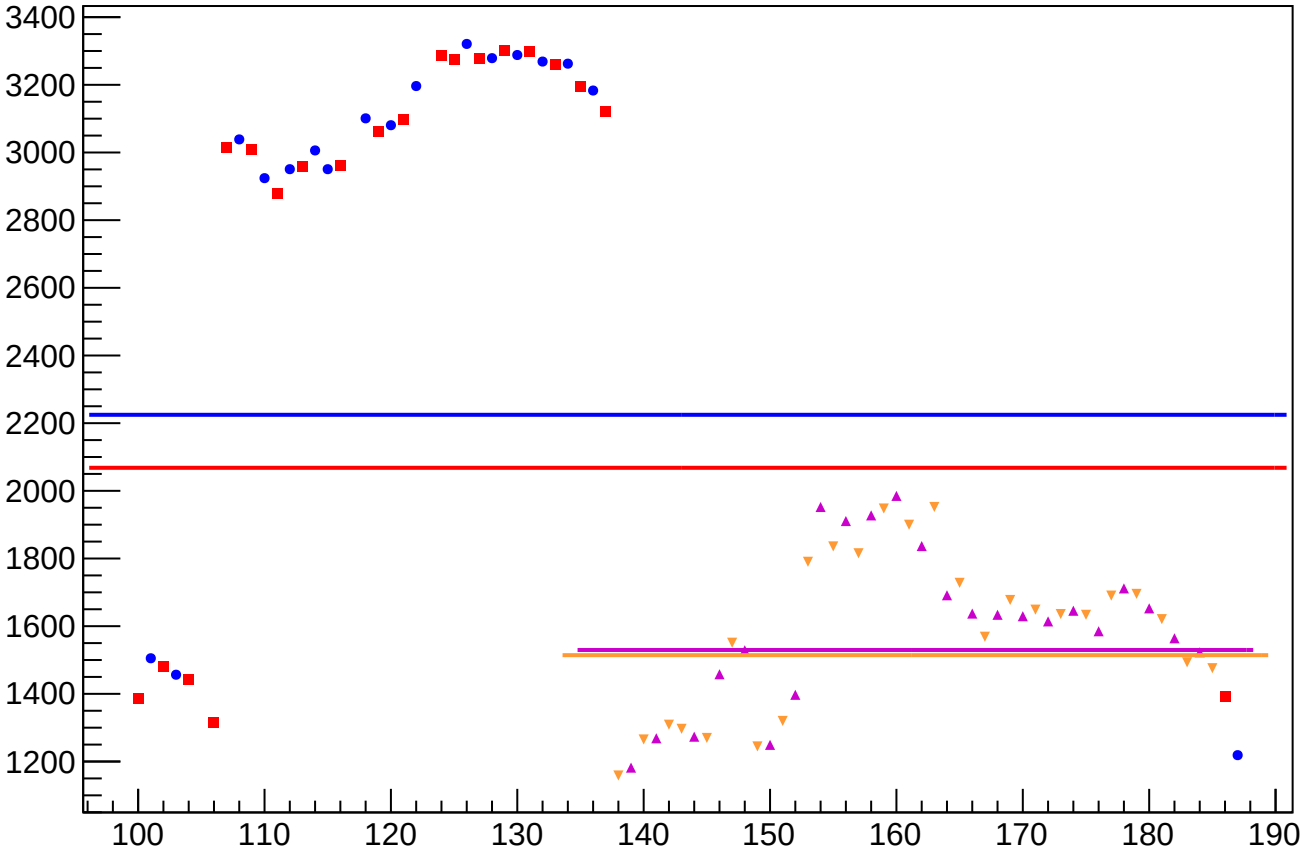
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -3.742+/-0.324 χ^2/NDF: 627.3/41

All: -3.505+/-0.231 χ^2/NDF: 1235.8/84

- sign -3.260+/-0.329 χ^2/NDF: 607.5/42

diff_bpm0r03Y_rms vs Slug



Right In: 2224.742+/-0.618 χ^2/NDF: 1936147.3/16

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 2068.123+/-0.560 χ^2/NDF: 2208268.3/19

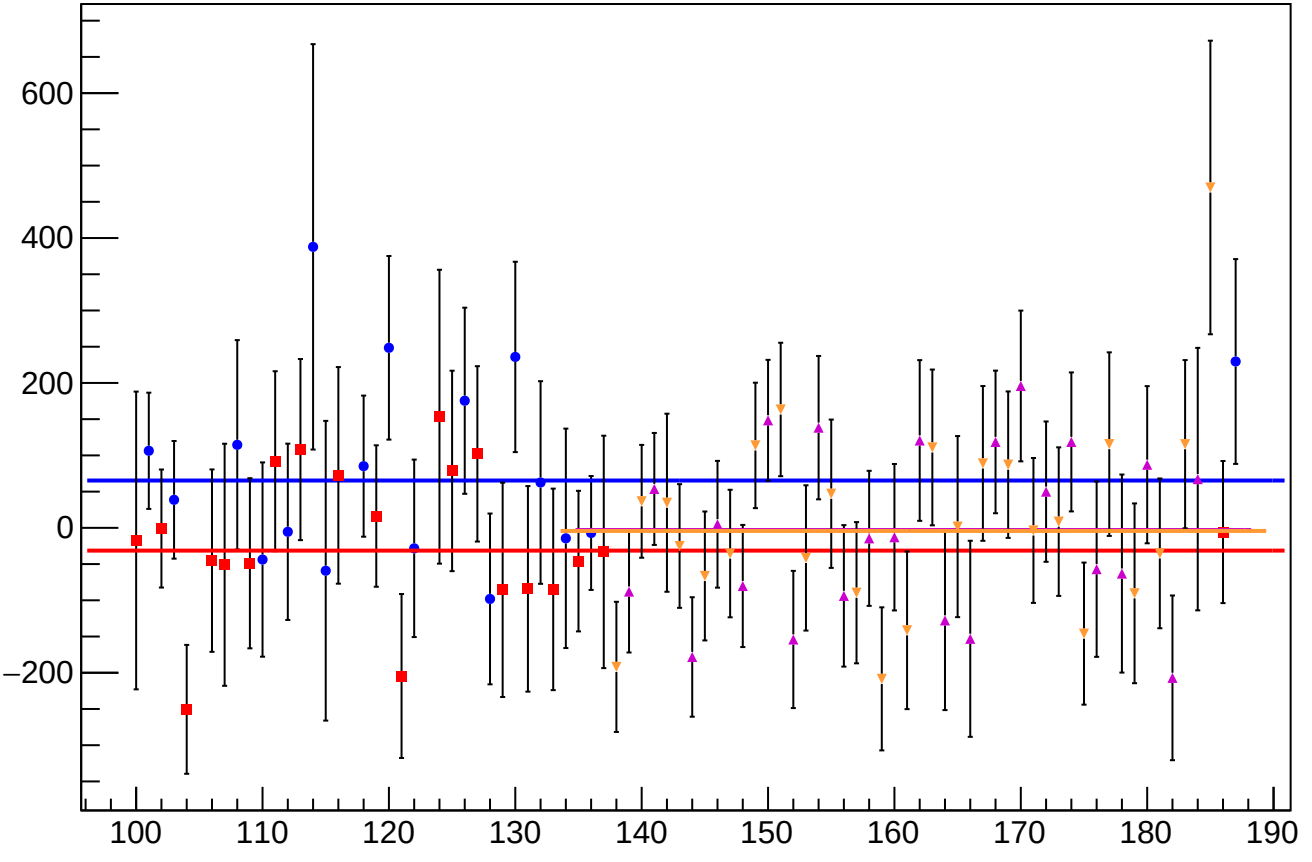
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1611.917+/-0.229 χ^2/NDF: 4007574.7/41

All: 1617.332+/-0.163 χ^2/NDF: 7810971.4/84

- sign 1622.922+/-0.233 χ^2/NDF: 3802262.7/42

diff_bpm0r05X_mean vs Slug



Right In: 65.322+/-28.331 χ^2/NDF: 12.7/16

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

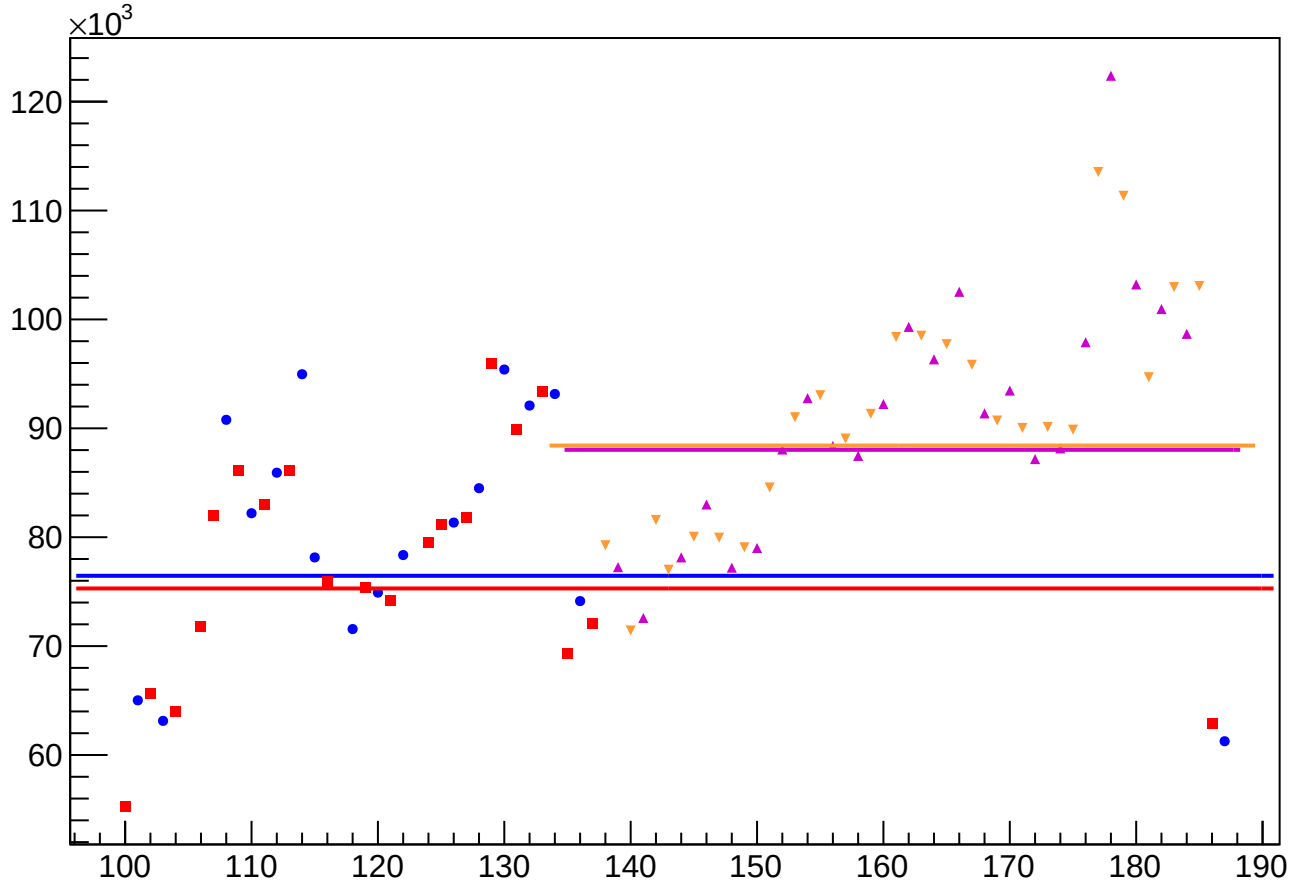
Right Out: -31.417+/-27.018 χ^2/NDF: 14.7/19

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 19.244+/-16.469 χ^2/NDF: 47.2/41

All: 2.828+/-11.636 χ^2/NDF: 95.3/84

- sign -13.534+/-16.442 χ^2/NDF: 46.2/42



Right In: 76457.196+/-20.033 χ^2/NDF: 272617.5/16

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 75293.069+/-19.105 χ^2/NDF: 268846.6/19

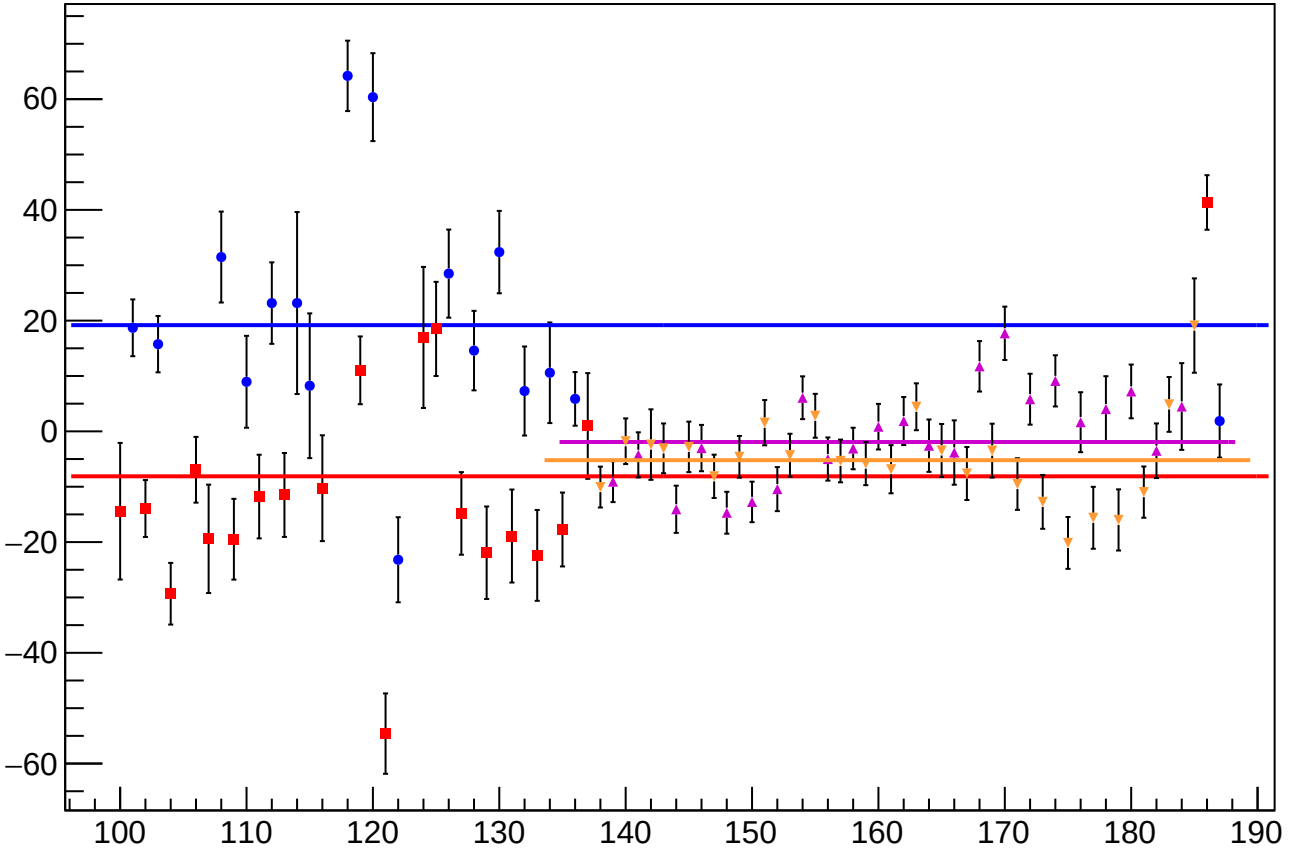
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 84376.168+/-11.645 χ^2/NDF: 990587.4/41

All: 83841.793+/-8.228 χ^2/NDF: 2028047.5/8

- sign 83309.190+/-11.626 χ^2/NDF: 1033255.7/42

diff_bpm0r05Y_mean vs Slug



Right In: 19.182+/-1.720 χ^2/NDF: 135.2/16

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -8.122+/-1.619 χ^2/NDF: 196.7/19

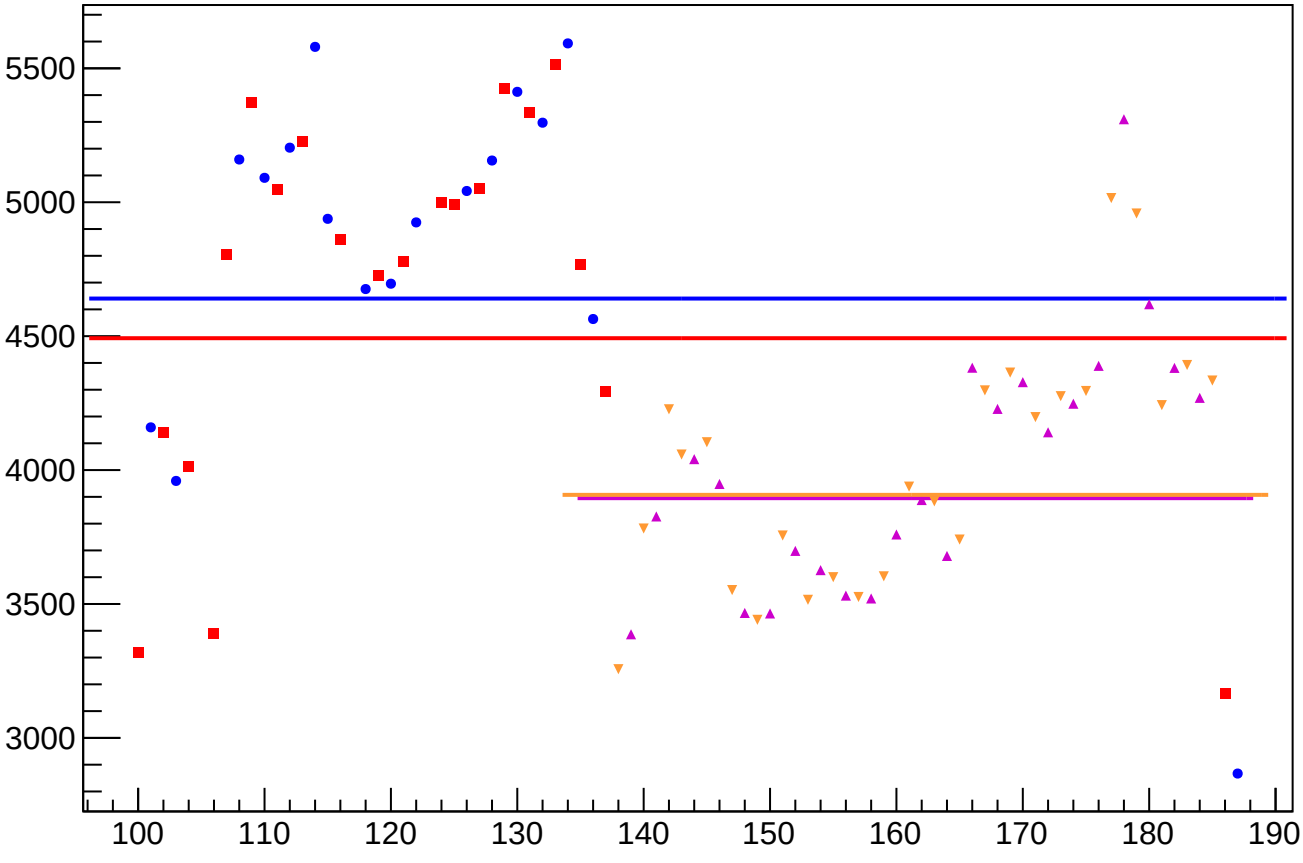
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.022+/-0.793 χ^2/NDF: 344.4/41

All: -1.716+/-0.562 χ^2/NDF: 644.6/84

- sign -3.428+/-0.797 χ^2/NDF: 291.0/42

diff_bpm0r05Y_rms vs Slug



Right In: 4640.398+/-1.217 χ^2/NDF: 306224.8/16

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 4492.357+/-1.144 χ^2/NDF: 427908.3/19

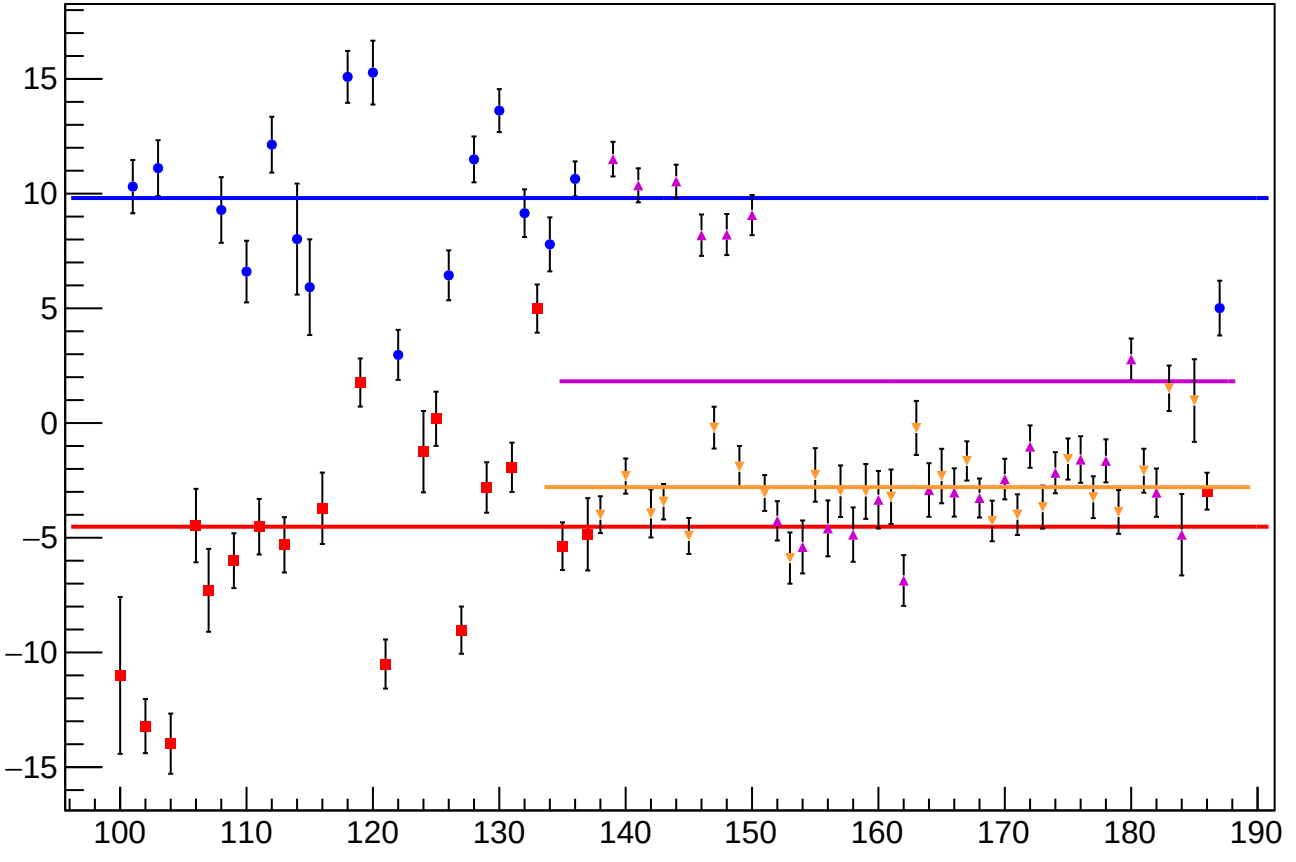
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 4063.244+/-0.561 χ^2/NDF: 1033238.0/41

All: 4051.714+/-0.398 χ^2/NDF: 2078148.7/84

- sign 4040.063+/-0.564 χ^2/NDF: 1044061.1/42

diff_bpm2i01X_mean vs Slug



Right In: 9.807+/-0.280 χ^2/NDF: 141.0/16

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -4.519+/-0.269 χ^2/NDF: 314.4/19

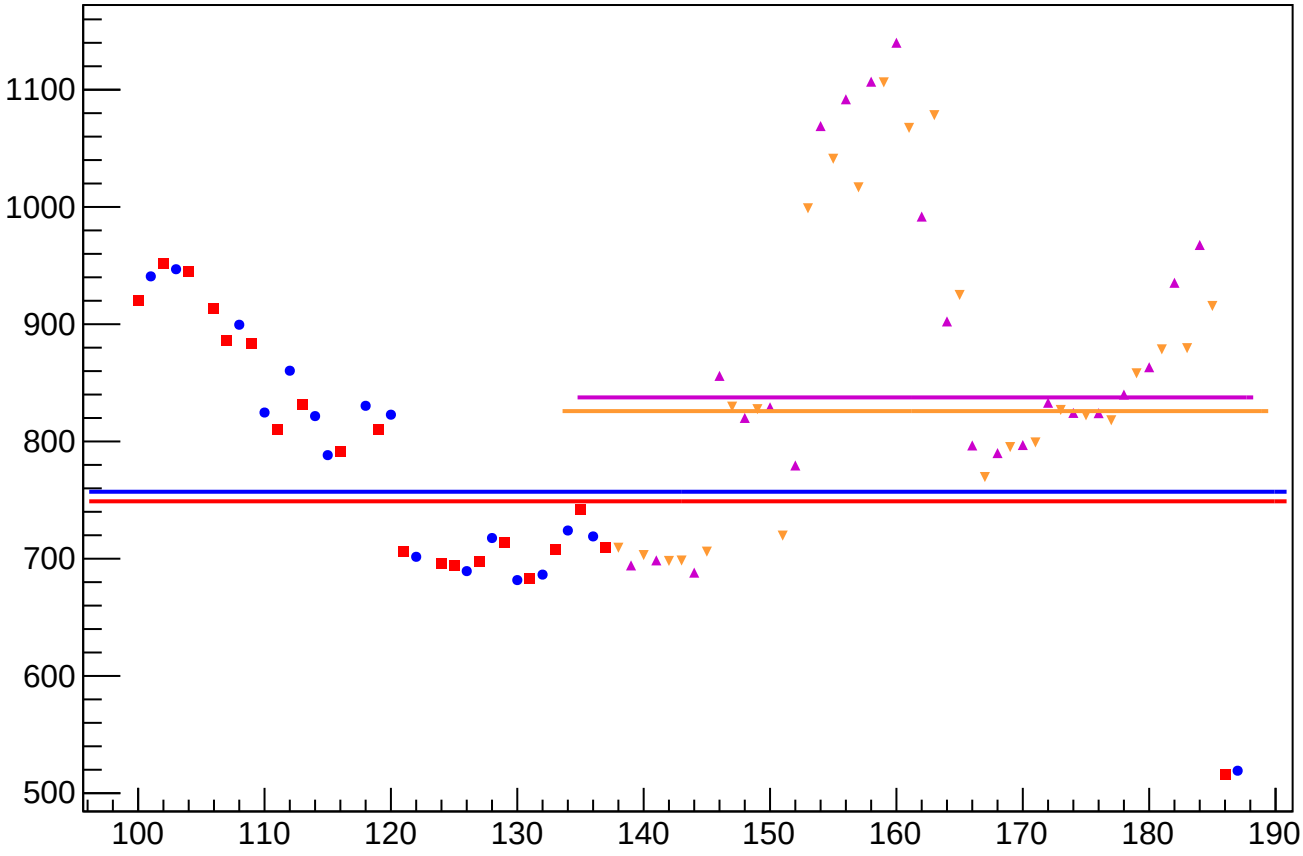
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.176+/-0.157 χ^2/NDF: 1593.3/41

All: 0.396+/-0.112 χ^2/NDF: 3343.2/84

- sign -0.407+/-0.160 χ^2/NDF: 1700.0/42

diff_bpm2i01X_rms vs Slug



Right In: 757.109+/-0.198 χ^2/NDF: 276870.1/16

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 748.939+/-0.190 χ^2/NDF: 385649.6/19

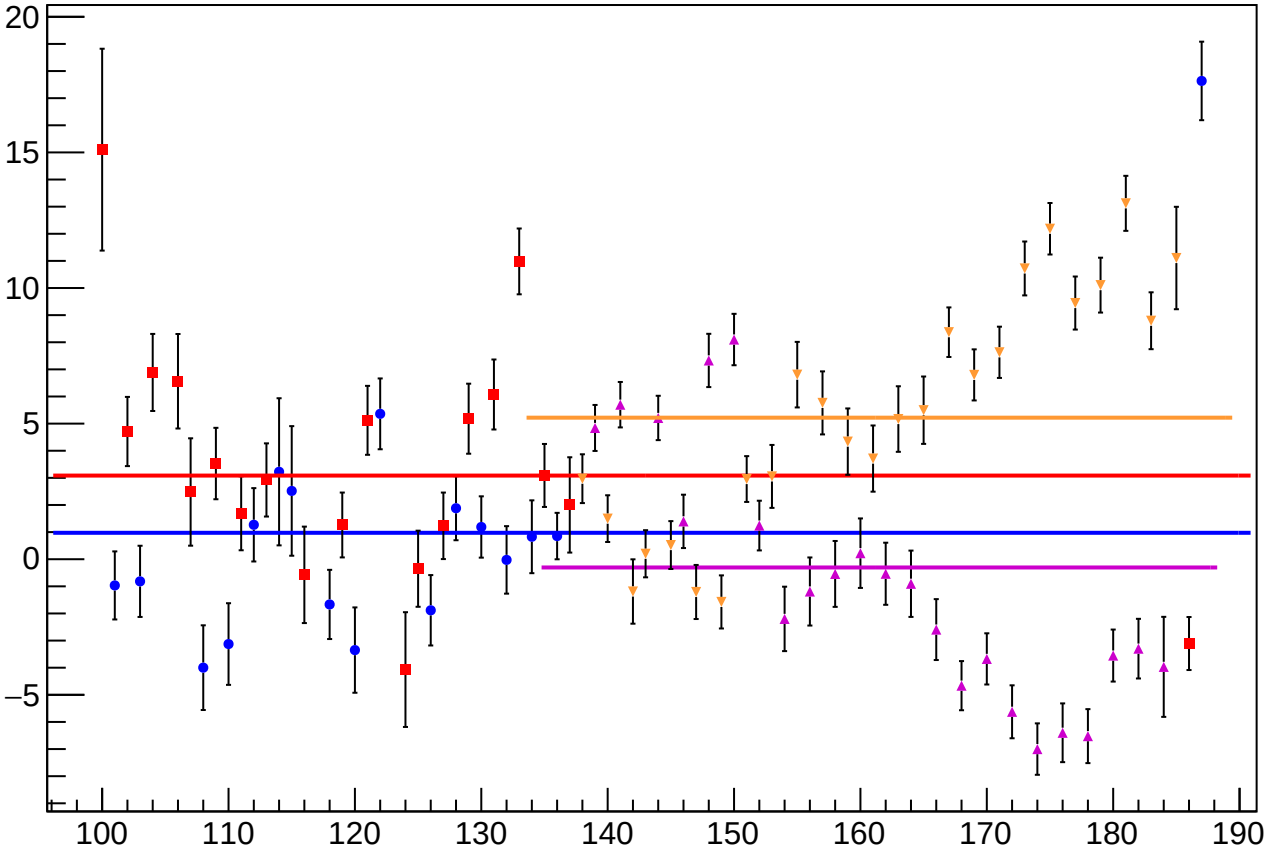
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

\+ sign 804.223+/-0.111 χ^2/NDF: 1124387.9/41

All: 805.308+/-0.079 χ^2/NDF: 2364967.6/84

\- sign 806.425+/-0.113 χ^2/NDF: 1240386.6/42

diff_bpm2i01Y_mean vs Slug



Right In: 0.974+/-0.322 χ^2/NDF: 184.7/16

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 3.084+/-0.309 χ^2/NDF: 144.2/19

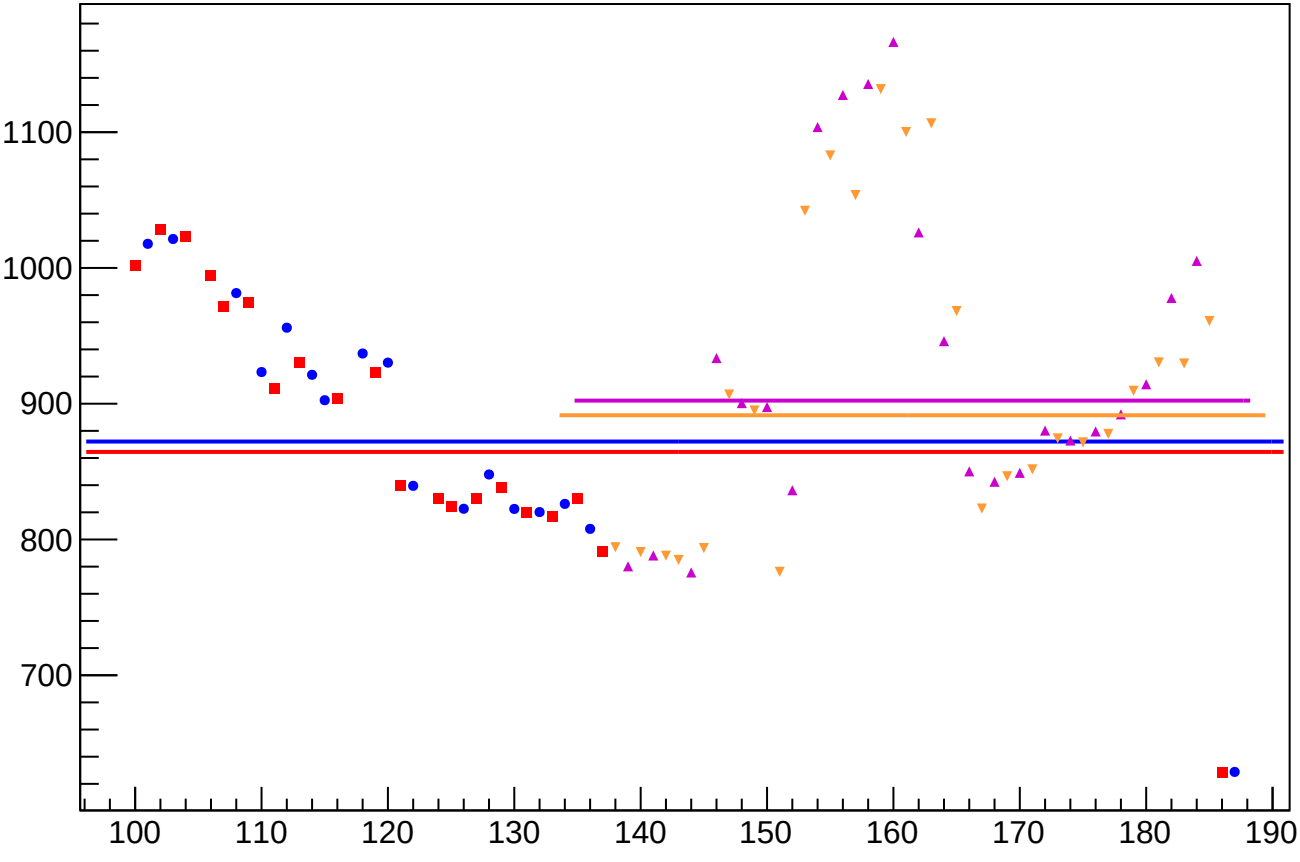
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

\+ sign 3.998+/-0.172 χ^2/NDF: 758.7/41

All: 2.416+/-0.123 χ^2/NDF: 1650.6/84

\- sign 0.783+/-0.175 χ^2/NDF: 720.9/42

diff_bpm2i01Y_rms vs Slug



Right In: 872.136+/-0.227 χ^2/NDF: 163938.3/16

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 864.493+/-0.219 χ^2/NDF: 237852.6/19

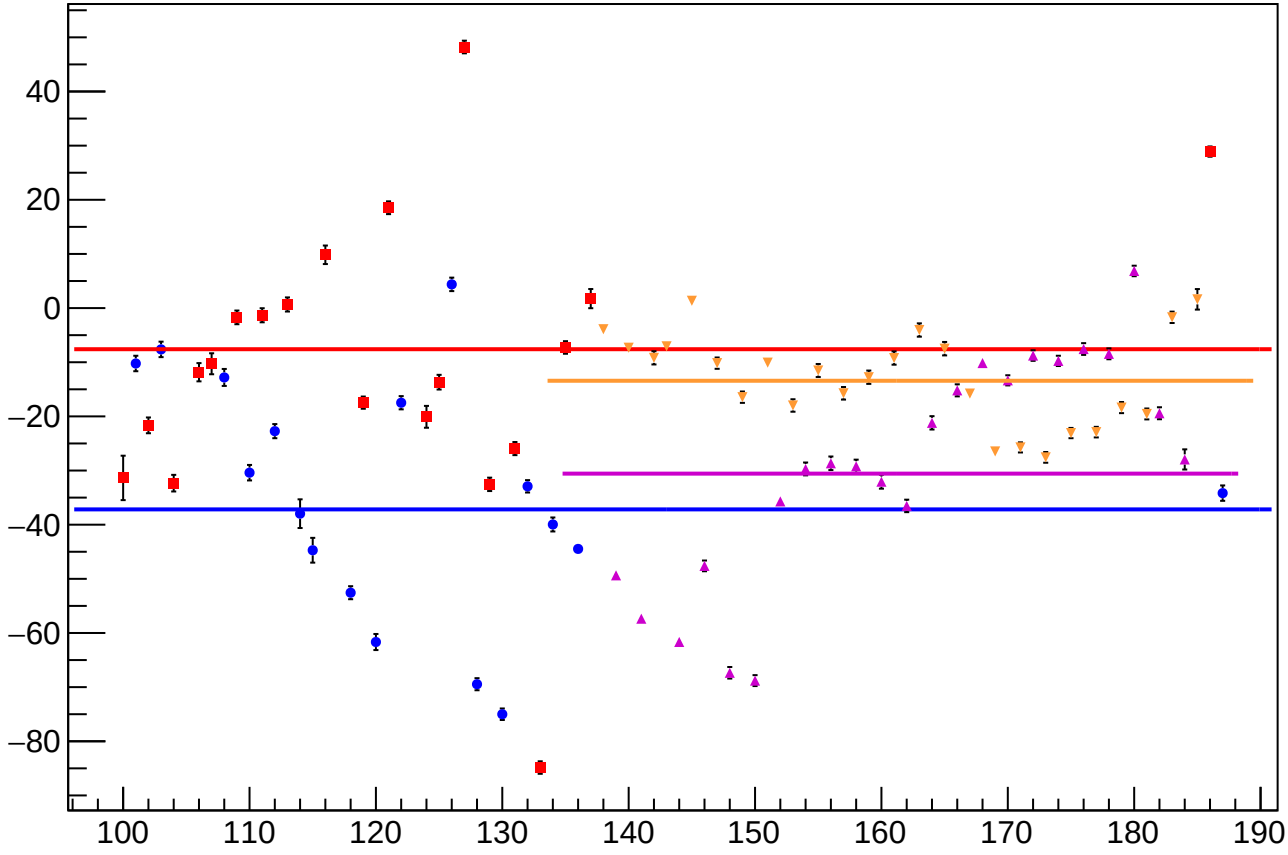
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 885.925+/-0.122 χ^2/NDF: 686889.4/41

All: 888.008+/-0.087 χ^2/NDF: 1430541.4/84

- sign 890.159+/-0.124 χ^2/NDF: 743059.1/42

diff_bpm2i02X_mean vs Slug



Right In: -37.176+/-0.314 χ^2/NDF: 5189.4/16

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -7.594+/-0.301 χ^2/NDF: 10115.9/19

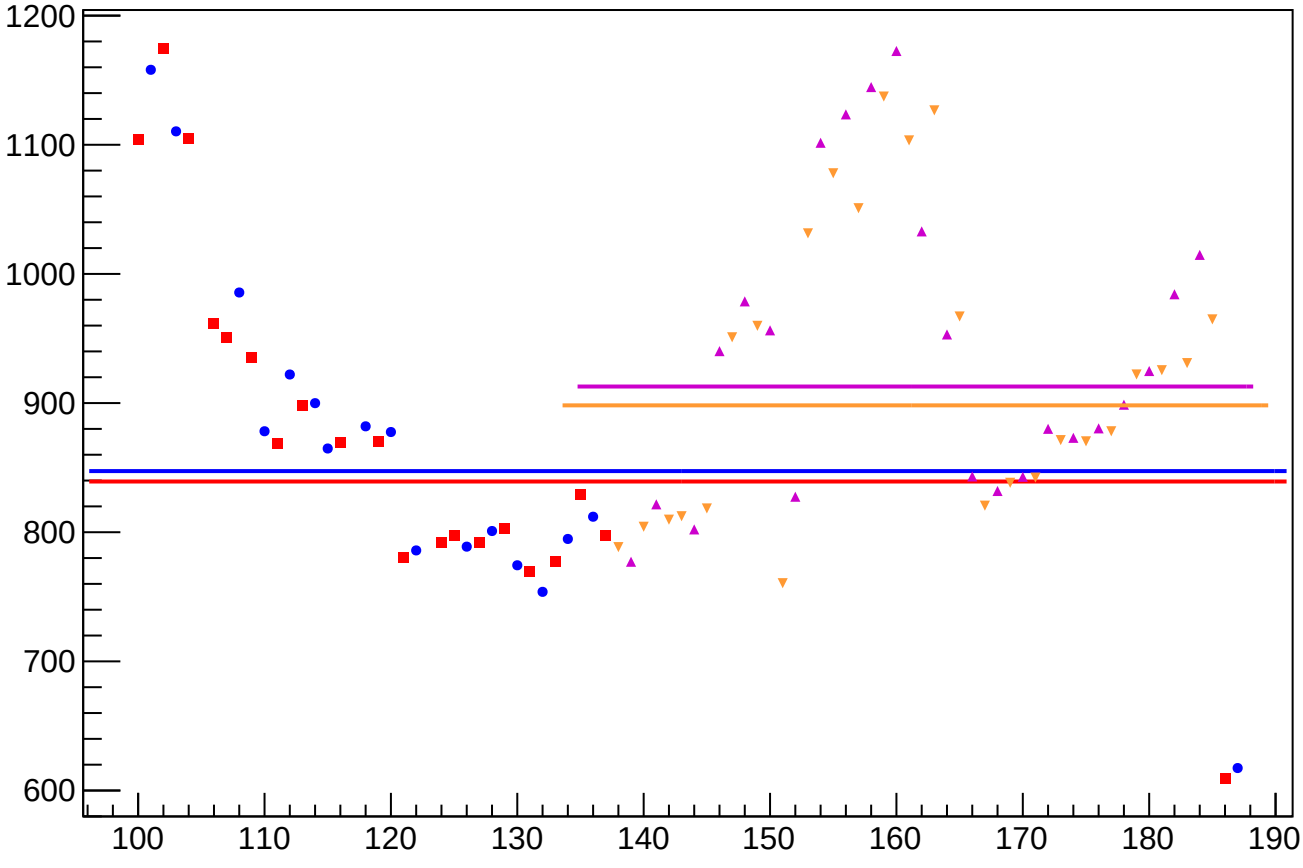
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -20.573+/-0.172 χ^2/NDF: 10858.5/41

All: -21.674+/-0.123 χ^2/NDF: 35294.1/84

\- sign -22.814+/-0.175 χ^2/NDF: 24352.3/42

diff_bpm2i02X_rms vs Slug



Right In: 847.334+/-0.222 χ^2/NDF: 283785.5/16

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 839.267+/-0.213 χ^2/NDF: 355231.5/19

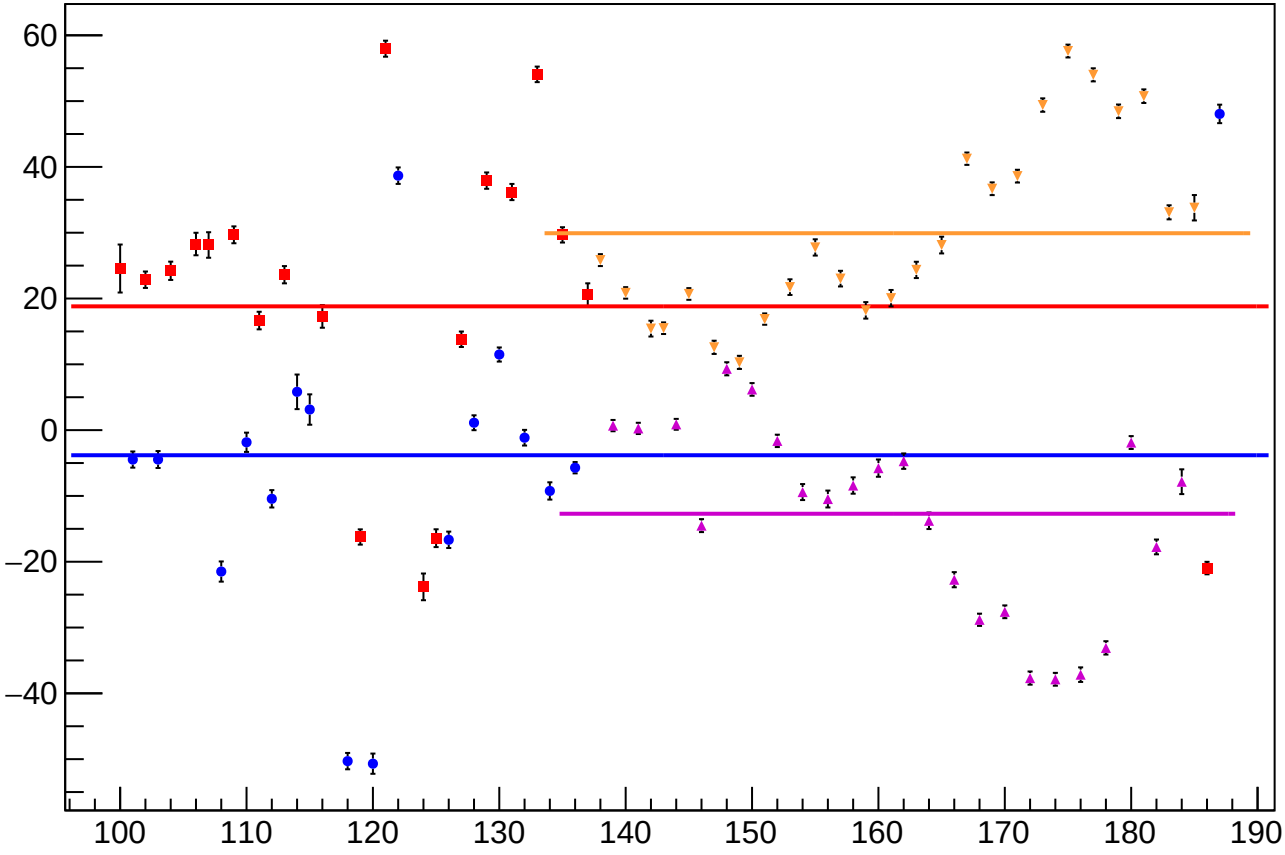
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 882.904+/-0.122 χ^2/NDF: 838927.2/41

All: 885.401+/-0.087 χ^2/NDF: 1753928.8/84

- sign 887.985+/-0.124 χ^2/NDF: 914145.6/42

diff_bpm2i02Y_mean vs Slug



Right In: -3.816+/-0.313 χ^2/NDF: 5381.5/16

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 18.809+/-0.301 χ^2/NDF: 6420.4/19

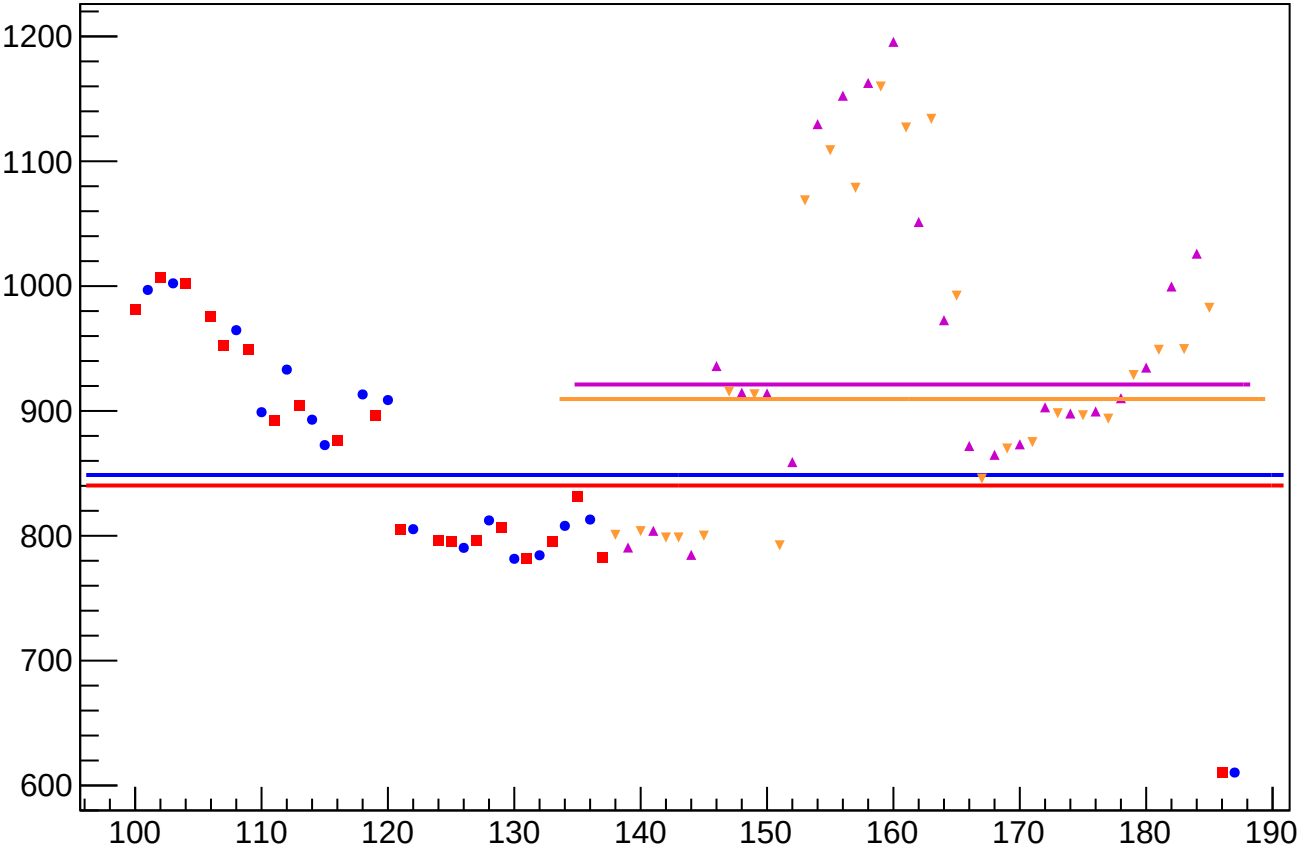
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 19.554+/-0.174 χ^2/NDF: 18004.0/41

All: 8.974+/-0.124 χ^2/NDF: 43972.1/84

- sign -1.907+/-0.176 χ^2/NDF: 18432.5/42

diff_bpm2i02Y_rms vs Slug



Right In: 848.703+/-0.221 χ^2/NDF: 174150.6/16

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

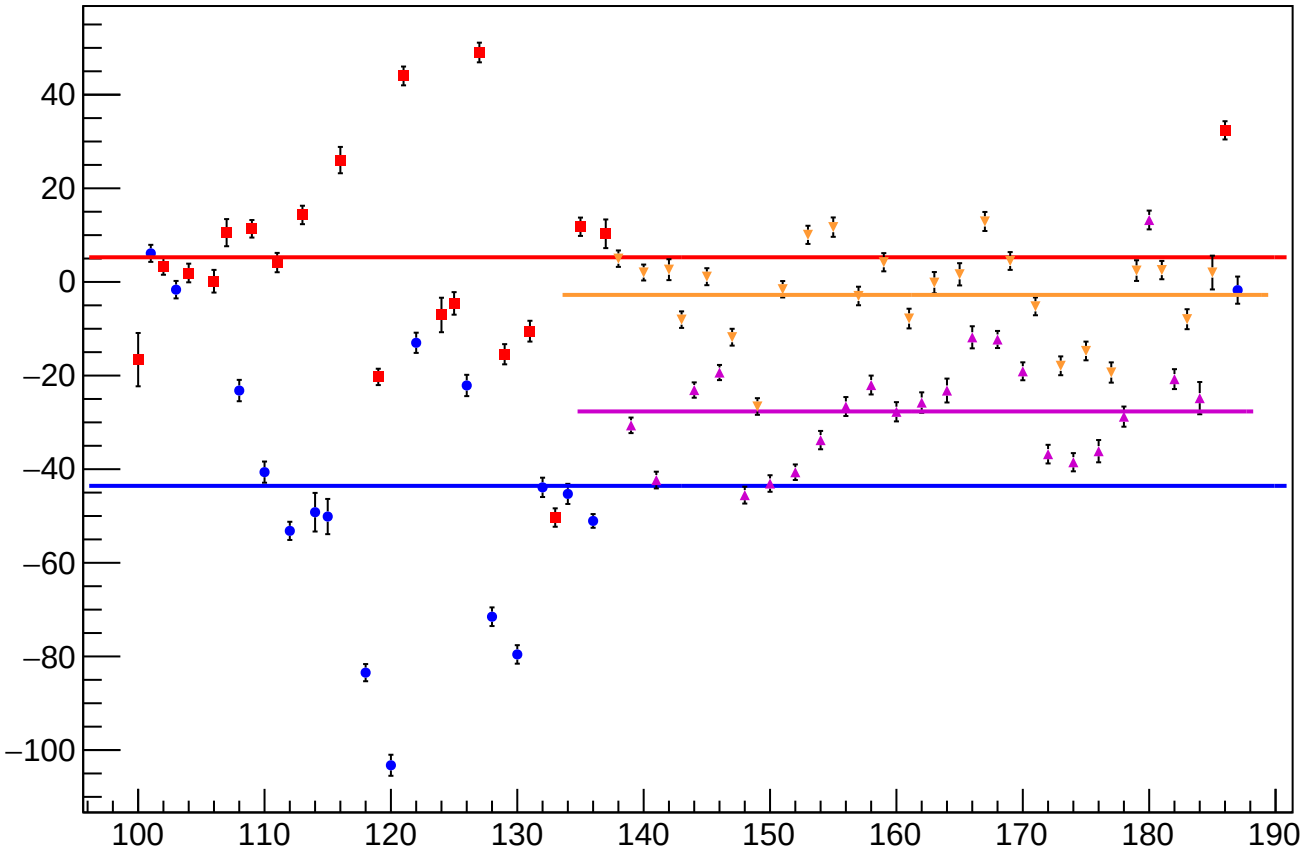
Right Out: 840.283+/-0.213 χ^2/NDF: 248680.7/19

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 890.851+/-0.123 χ^2/NDF: 768182.3/41

All: 892.141+/-0.087 χ^2/NDF: 1609611.7/84

- sign 893.468+/-0.124 χ^2/NDF: 841205.3/42



Right In: -43.561+/-0.512 χ^2/NDF: 3592.1/16

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 5.270+/-0.493 χ^2/NDF: 2309.3/19

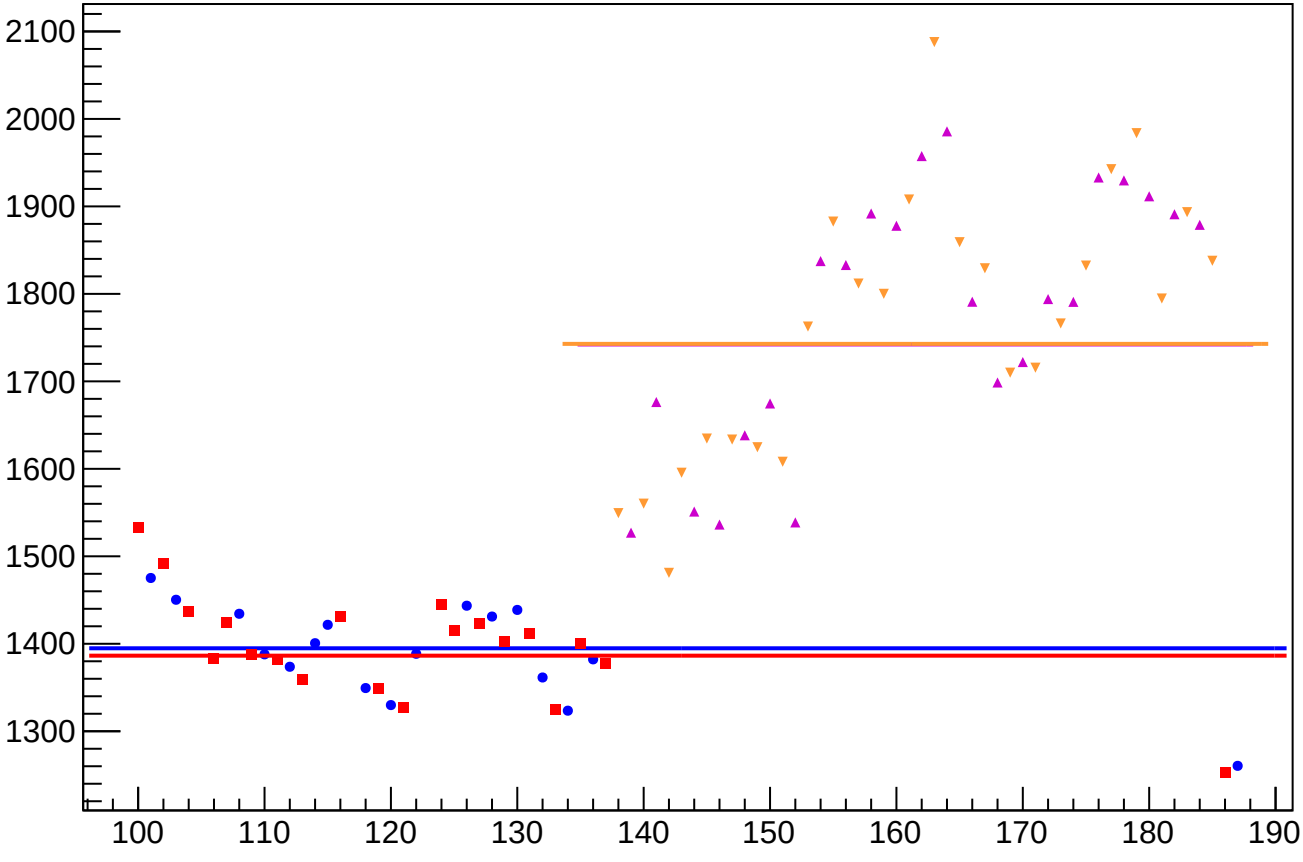
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -18.114+/-0.314 χ^2/NDF: 8172.2/41

All: -16.179+/-0.222 χ^2/NDF: 14194.8/84

- sign -14.235+/-0.315 χ^2/NDF: 5946.4/42

diff_bpm0i02X_rms vs Slug



Right In: 1394.853+/-0.362 χ^2/NDF: 19277.1/16

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1386.408+/-0.348 χ^2/NDF: 26307.9/19

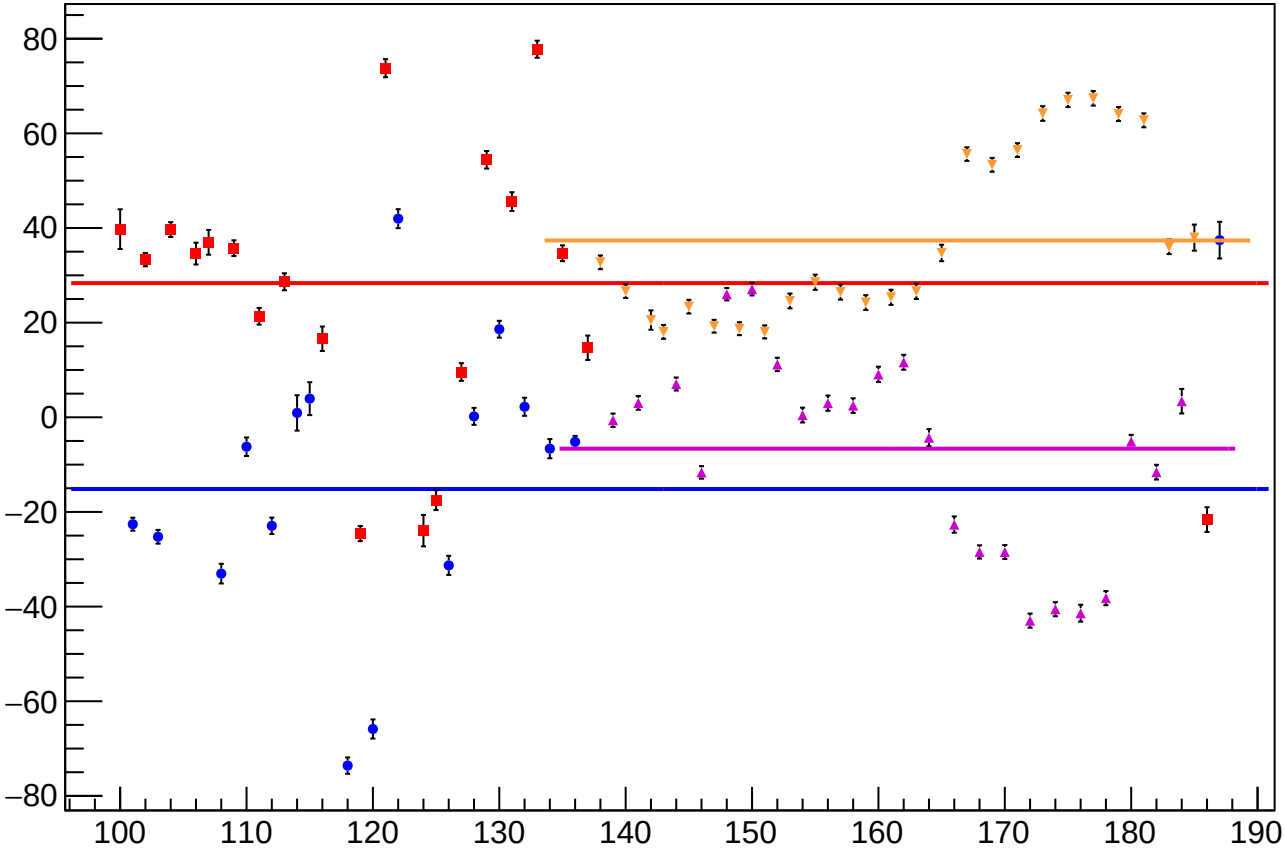
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1611.927+/-0.222 χ^2/NDF: 859303.7/41

All: 1604.529+/-0.157 χ^2/NDF: 1767223.1/84

- sign 1597.100+/-0.222 χ^2/NDF: 905692.5/42

diff_bpm0i02Y_mean vs Slug



Right In: -15.153+/-0.452 χ^2/NDF: 3664.2/16

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 28.358+/-0.438 χ^2/NDF: 4056.7/19

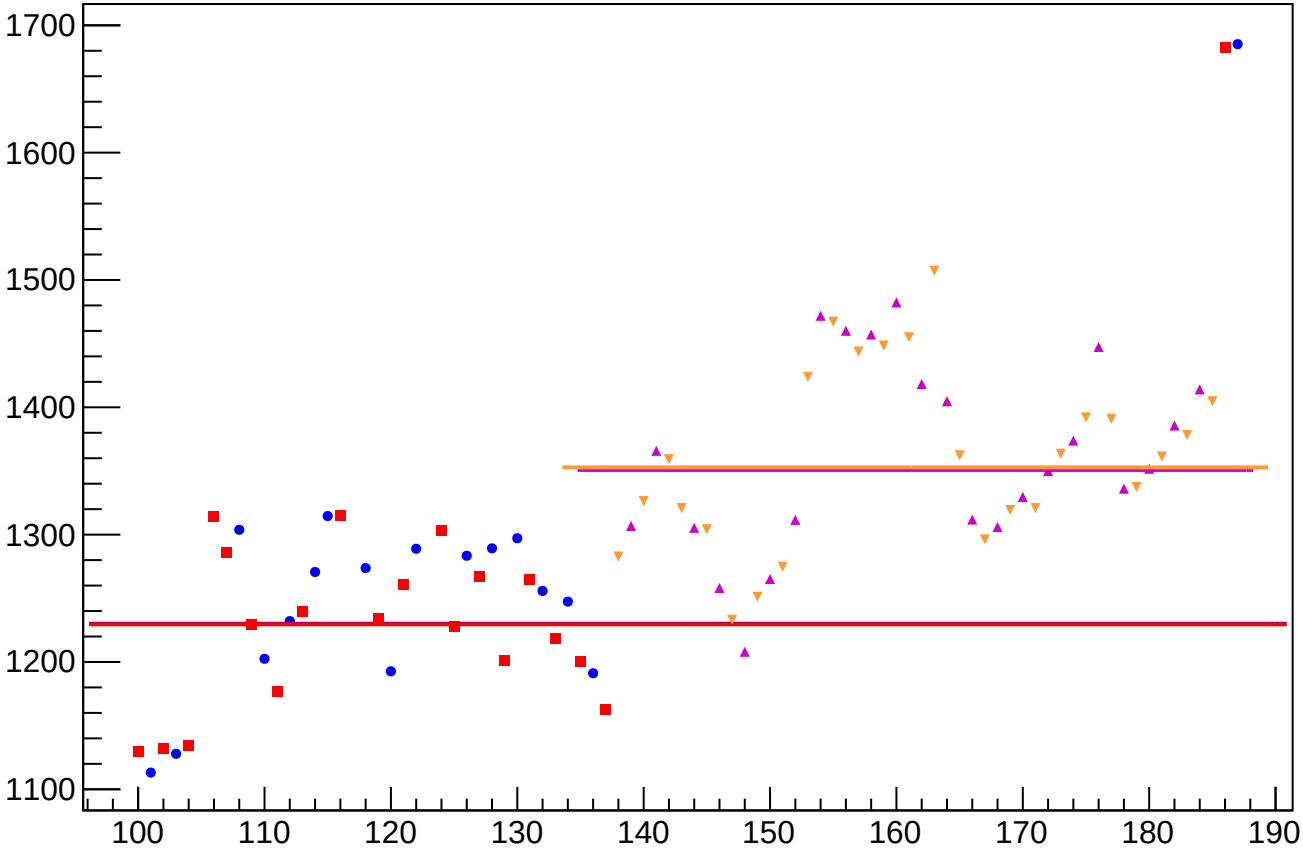
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.731+/-0.254 χ^2/NDF: 16279.6/41

All: 13.095+/-0.181 χ^2/NDF: 30756.1/84

- sign 5.347+/-0.256 χ^2/NDF: 12662.4/42

diff_bpm0i02Y_rms vs Slug



Right In: 1229.976+/-0.320 χ^2/NDF: 68824.6/16

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1229.597+/-0.310 χ^2/NDF: 91006.4/19

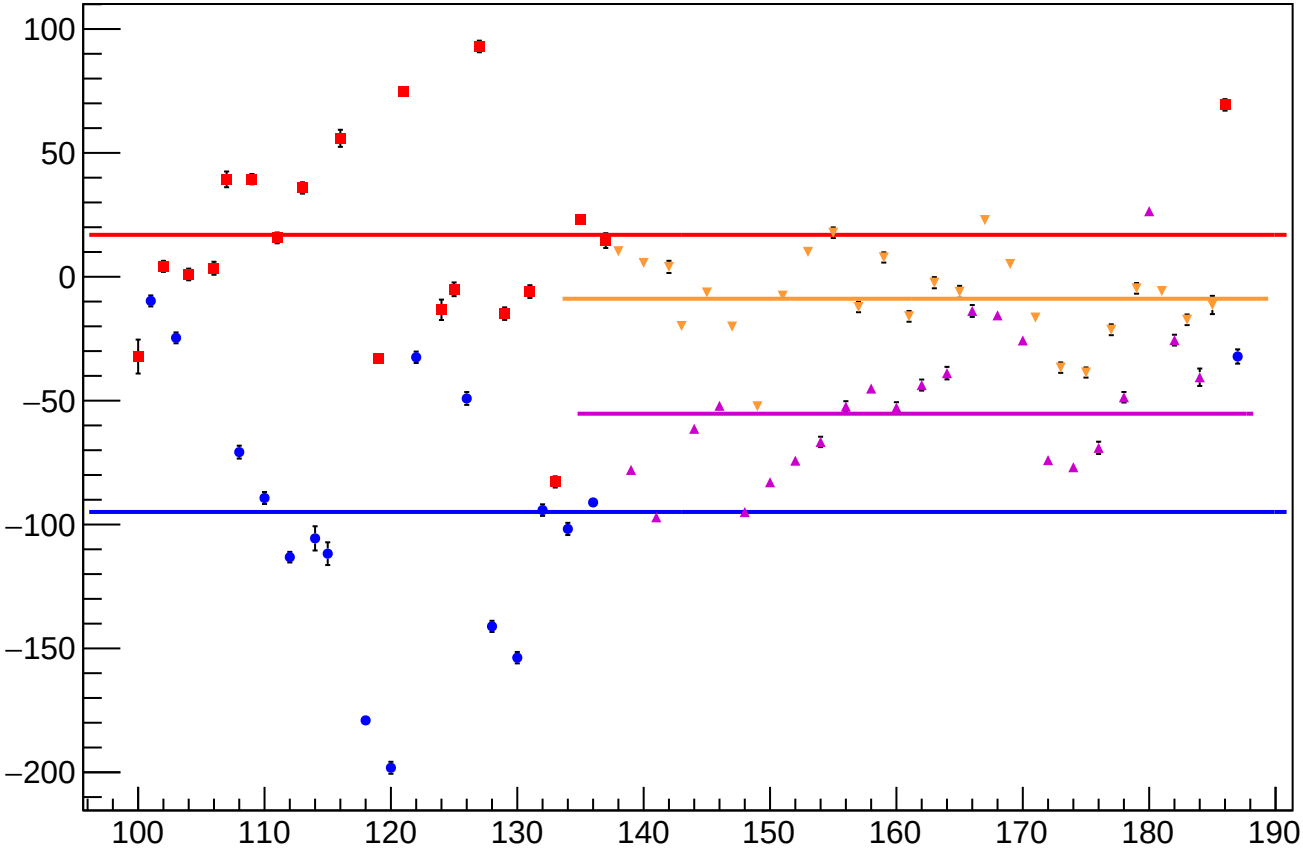
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

\+ sign 1313.906+/-0.180 χ^2/NDF: 274541.2/41

All: 1311.633+/-0.128 χ^2/NDF: 575216.4/84

\- sign 1309.326+/-0.181 χ^2/NDF: 300353.5/42

diff_bpm0i02aX_mean vs Slug



Right In: -94.923+/-0.568 χ^2/NDF: 8792.5/16

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 16.930+/-0.550 χ^2/NDF: 5892.9/19

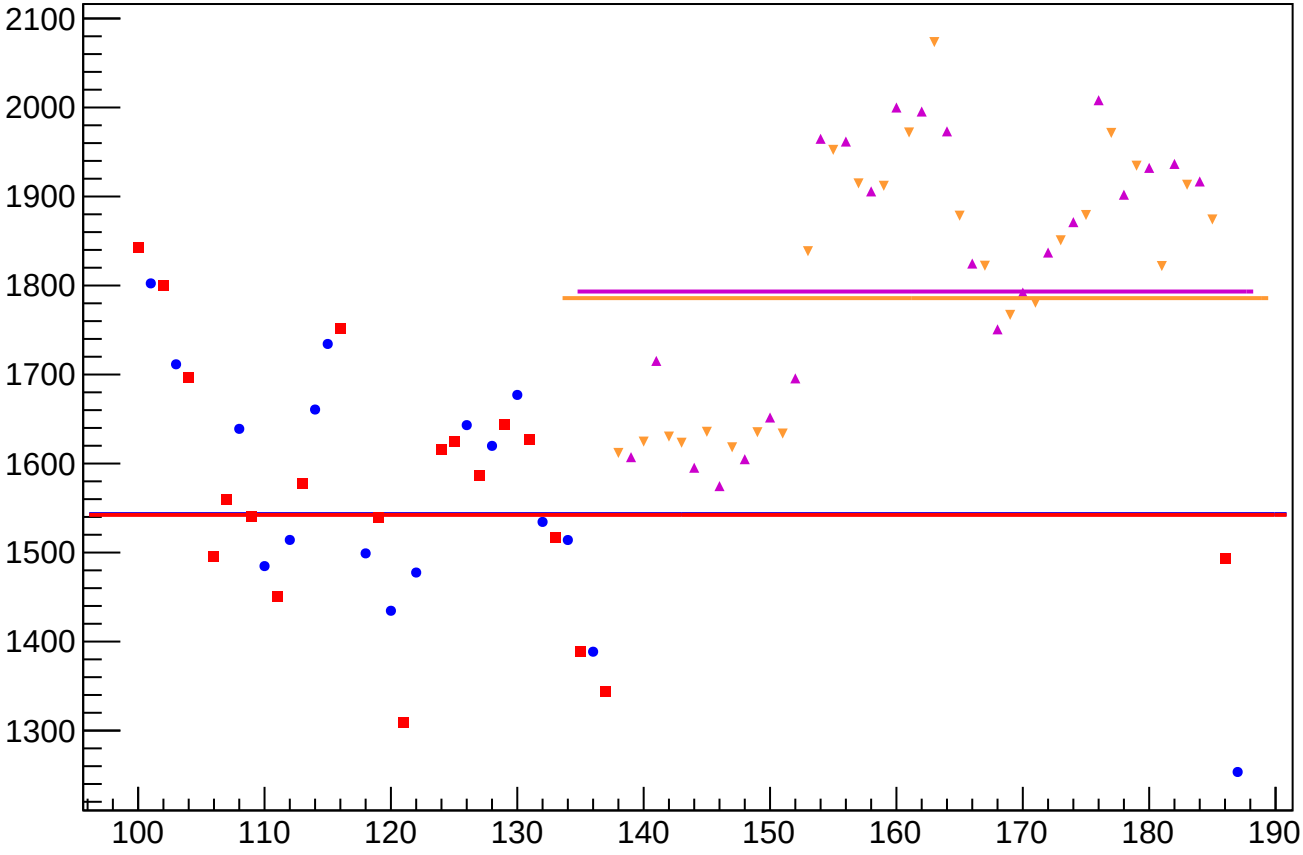
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -38.069+/-0.331 χ^2/NDF: 25908.4/41

All: -33.382+/-0.235 χ^2/NDF: 47827.3/84

- sign -28.610+/-0.334 χ^2/NDF: 21514.1/42

diff_bpm0i02aX_rms vs Slug



Right In: 1543.216+/-0.402 χ^2/NDF: 108915.7/16

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1542.340+/-0.389 χ^2/NDF: 109726.8/19

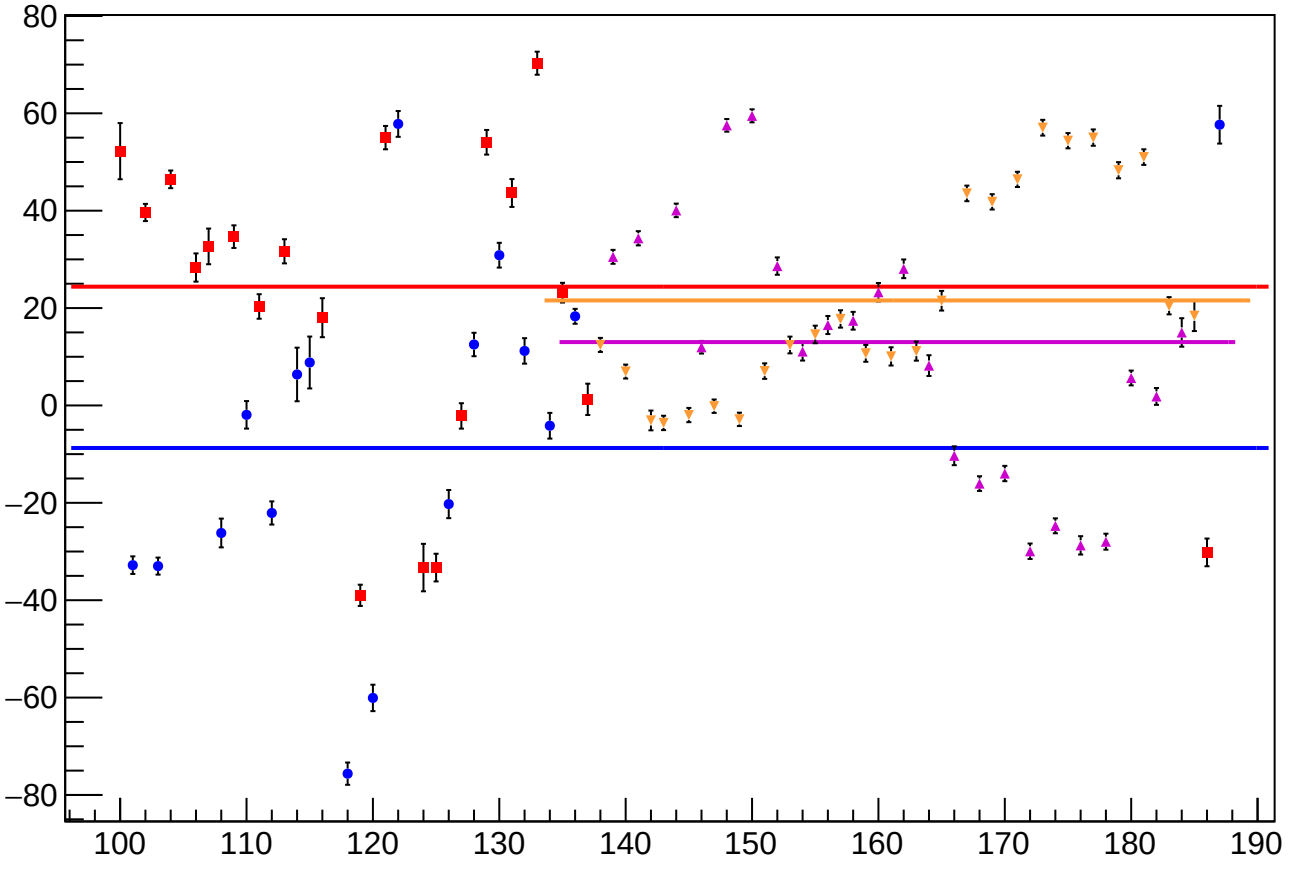
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1703.492+/-0.234 χ^2/NDF: 587156.0/41

All: 1702.063+/-0.166 χ^2/NDF: 1212689.1/84

- sign 1700.608+/-0.236 χ^2/NDF: 625457.8/42

diff_bpm0i02aY_mean vs Slug



Right In: -8.735+/-0.596 χ^2/NDF: 3307.9/16

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 24.395+/-0.574 χ^2/NDF: 2923.6/19

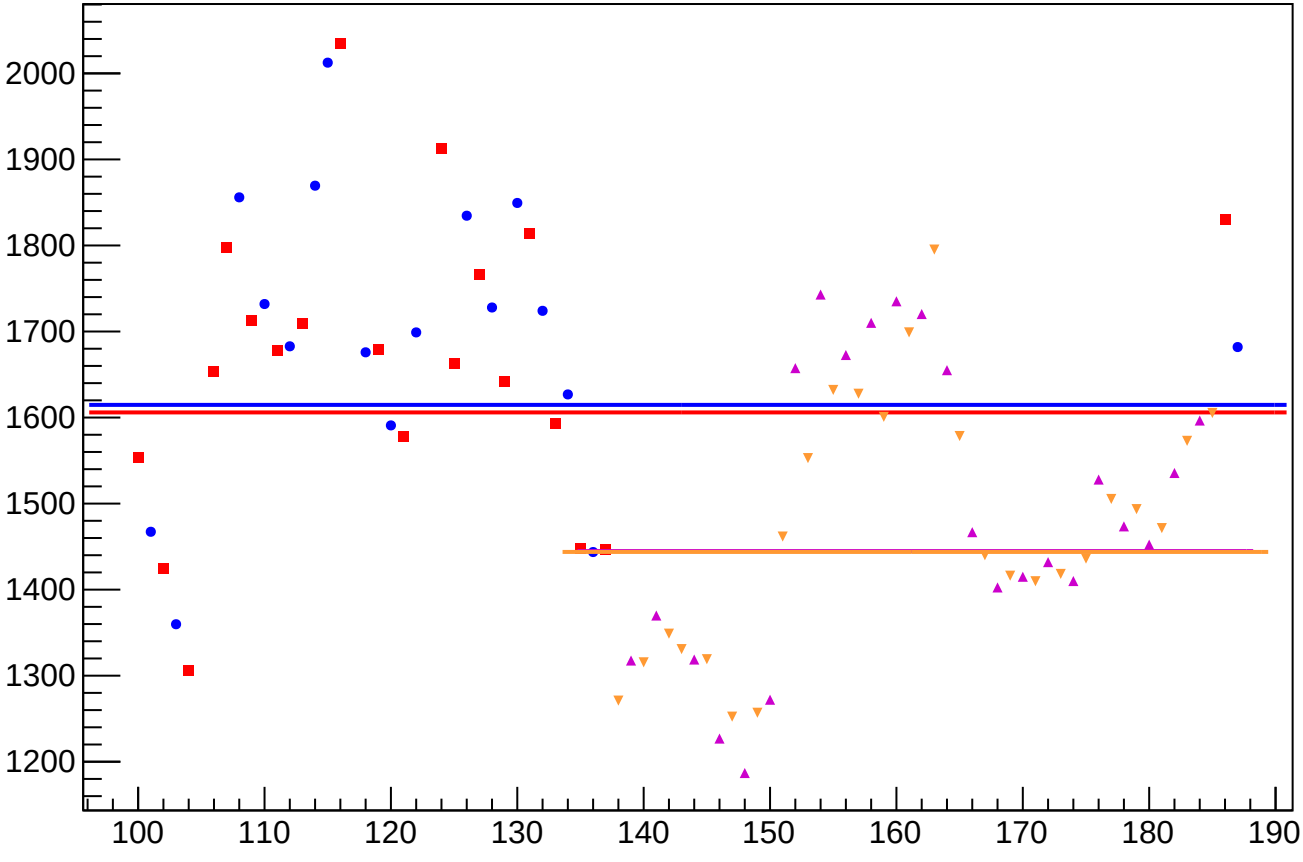
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 14.458+/-0.289 χ^2/NDF: 9447.5/41

All: 15.203+/-0.205 χ^2/NDF: 19302.7/84

- sign 15.968+/-0.293 χ^2/NDF: 9841.7/42

diff_bpm0i02aY_rms vs Slug



Right In: 1614.724+/-0.421 χ^2/NDF: 155327.5/16

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1605.959+/-0.406 χ^2/NDF: 173668.6/19

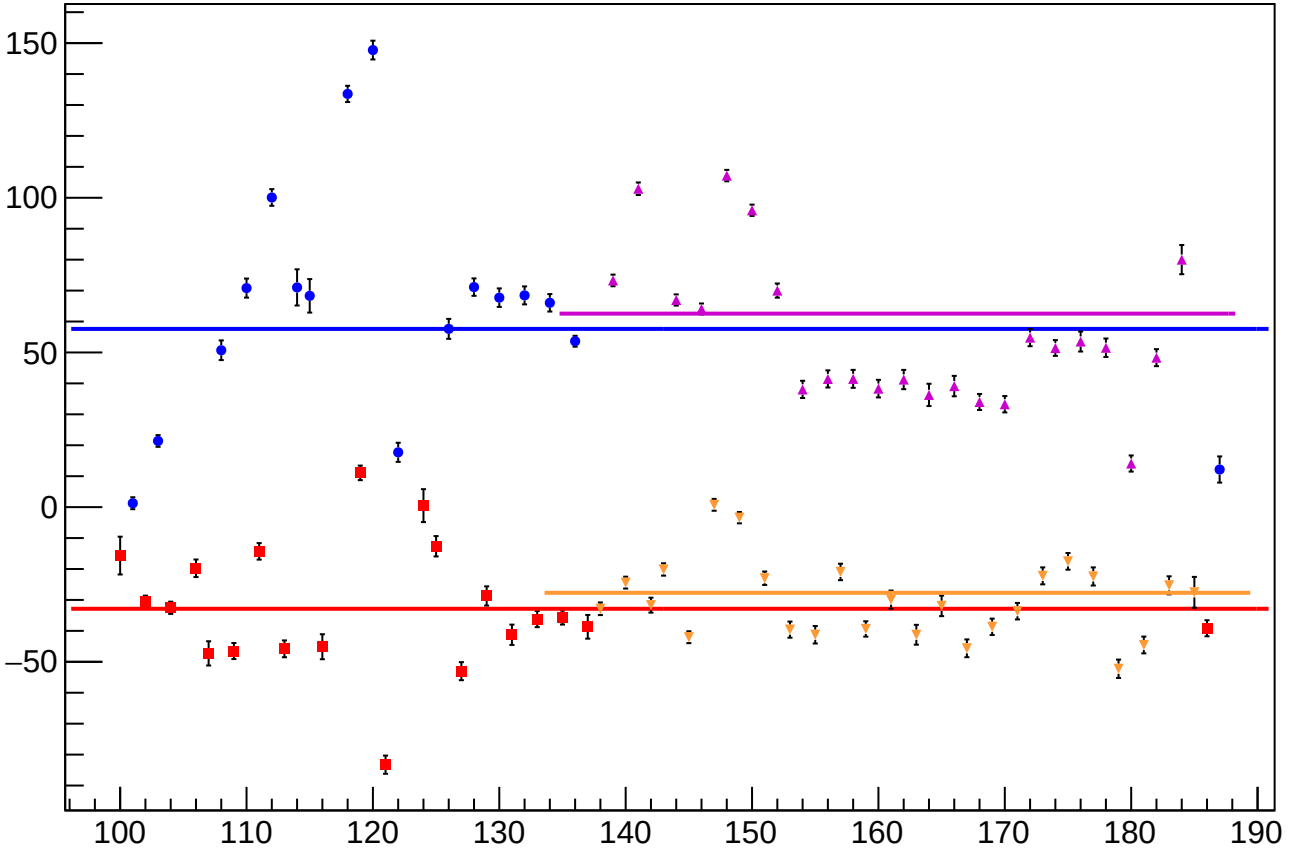
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1483.915+/-0.204 χ^2/NDF: 633611.7/41

All: 1485.261+/-0.145 χ^2/NDF: 1409184.5/84

- sign 1486.643+/-0.207 χ^2/NDF: 775484.6/42

diff_bpm0i05X_mean vs Slug



Right In: 57.615+/-0.664 χ^2/NDF: 3561.5/16

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -32.859+/-0.629 χ^2/NDF: 937.1/19

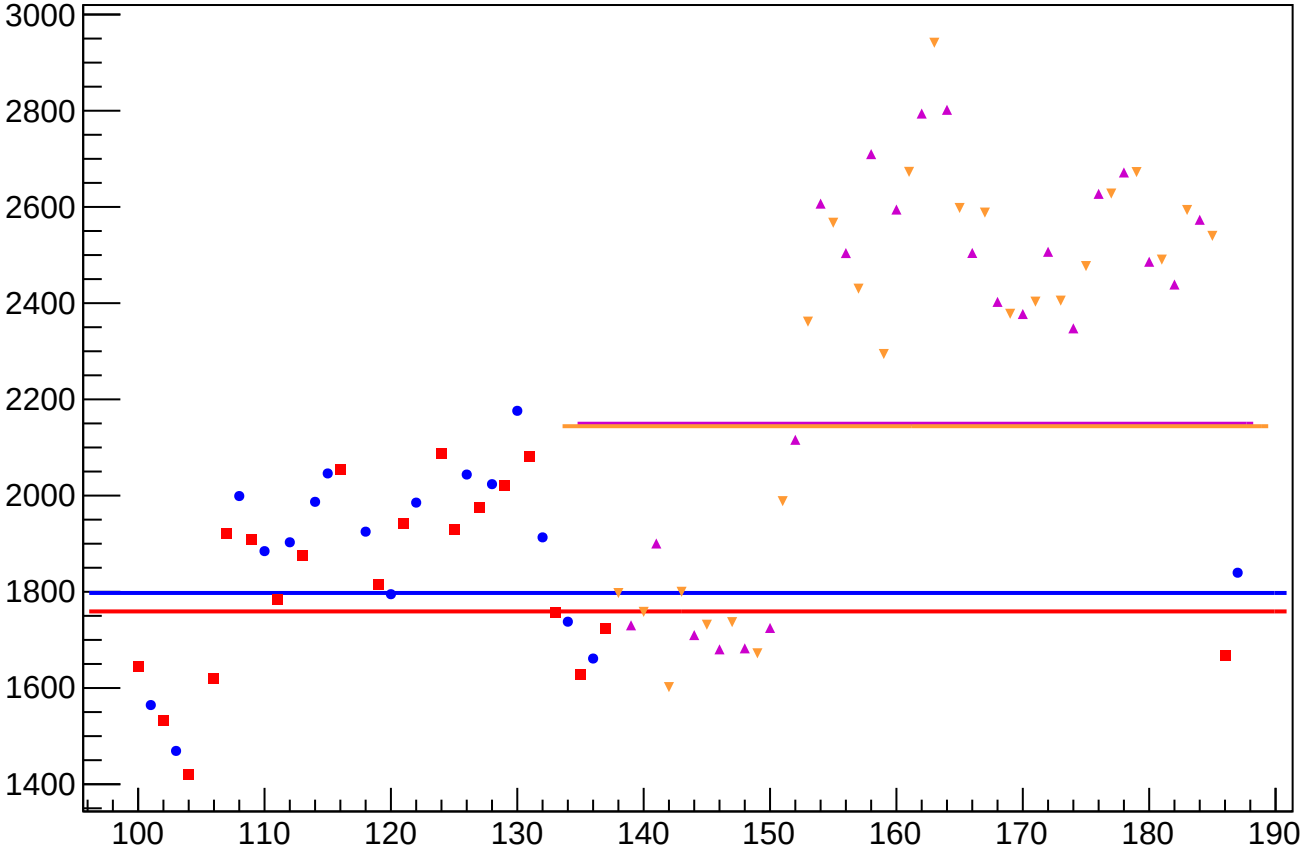
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 2.855+/-0.397 χ^2/NDF: 14918.7/41

All: 13.720+/-0.281 χ^2/NDF: 33650.7/84

- sign 24.562+/-0.397 χ^2/NDF: 17238.6/42

diff_bpm0i05X_rms vs Slug



Right In: 1797.615+/-0.470 χ^2/NDF: 193374.1/16

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1759.210+/-0.445 χ^2/NDF: 192573.9/19

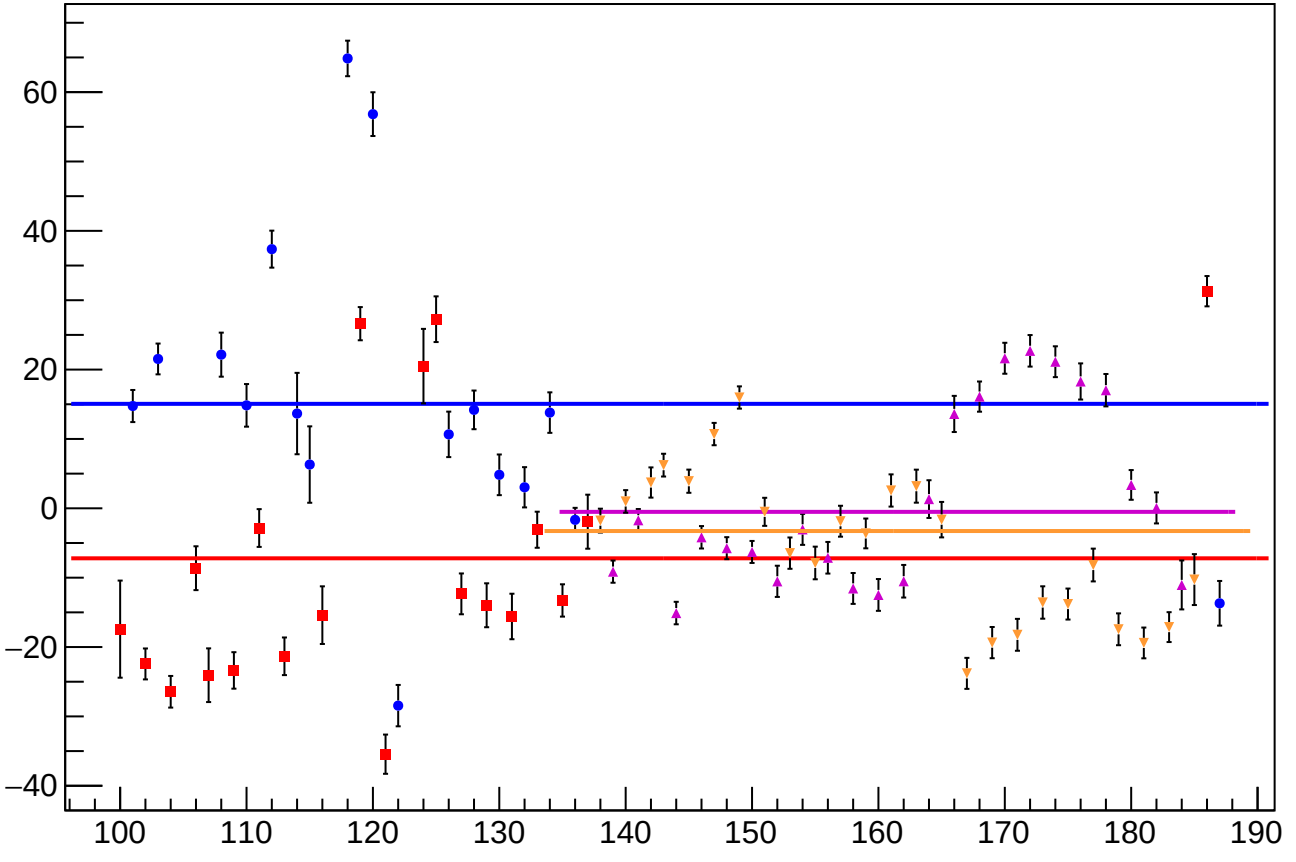
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 2020.106+/-0.281 χ^2/NDF: 1822907.2/41

All: 2007.037+/-0.199 χ^2/NDF: 3748408.4/84

- sign 1993.997+/-0.281 χ^2/NDF: 1921180.7/42

diff_bpm0i05Y_mean vs Slug



Right In: 15.061+/-0.679 χ^2/NDF: 1056.4/16

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -7.209+/-0.646 χ^2/NDF: 982.2/19

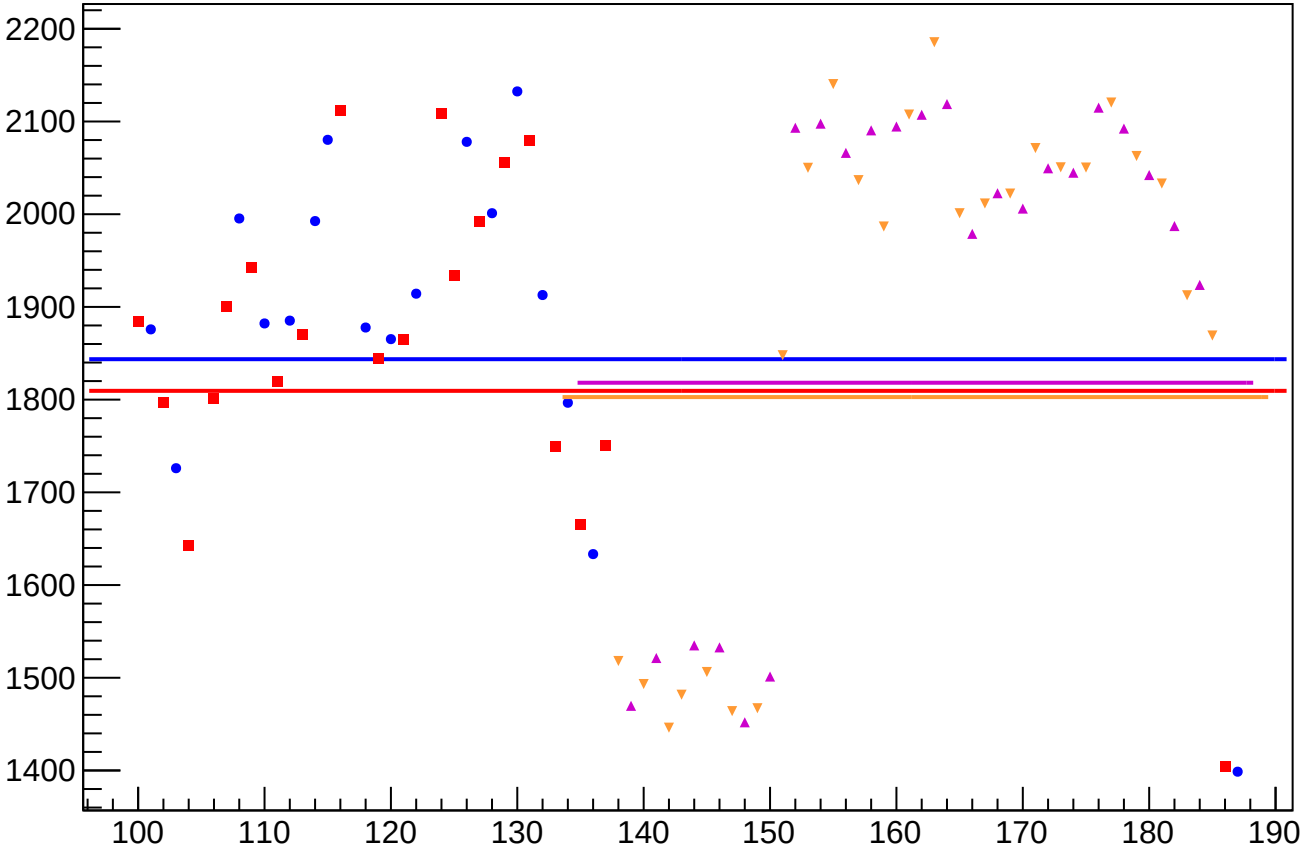
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 1.702+/-0.354 χ^2/NDF: 2258.3/41

All: -0.409+/-0.252 χ^2/NDF: 4132.7/84

- sign -2.566+/-0.358 χ^2/NDF: 1802.5/42

diff_bpm0i05Y_rms vs Slug



Right In: 1843.612+/-0.480 χ^2/NDF: 123269.9/16

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1809.475+/-0.457 χ^2/NDF: 150293.3/19

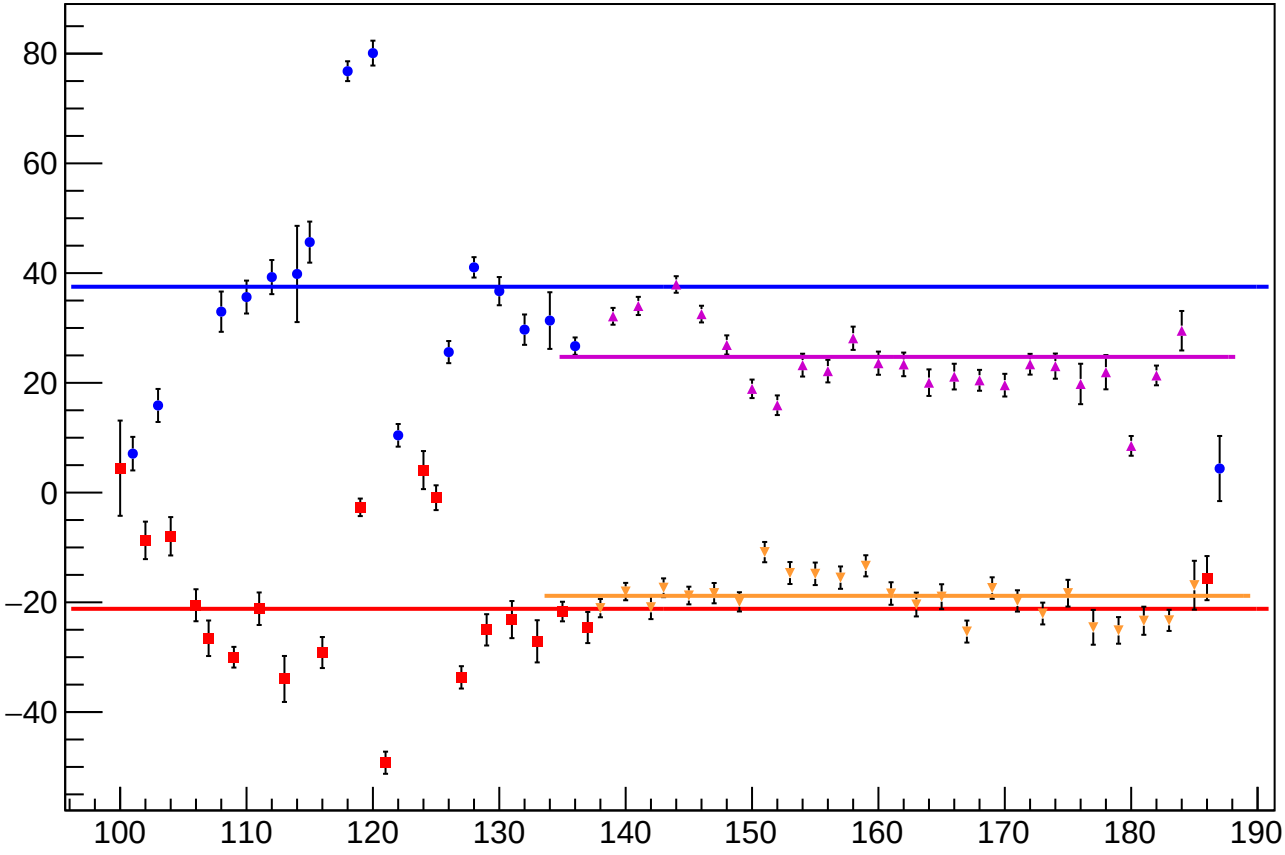
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1813.840+/-0.250 χ^2/NDF: 1025917.5/41

All: 1814.681+/-0.178 χ^2/NDF: 2016841.0/84

- sign 1815.541+/-0.253 χ^2/NDF: 990900.7/42

diff_bpm0i07X_mean vs Slug



Right In: 37.516+/-0.619 χ^2/NDF: 1281.3/16

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -21.184+/-0.587 χ^2/NDF: 584.6/19

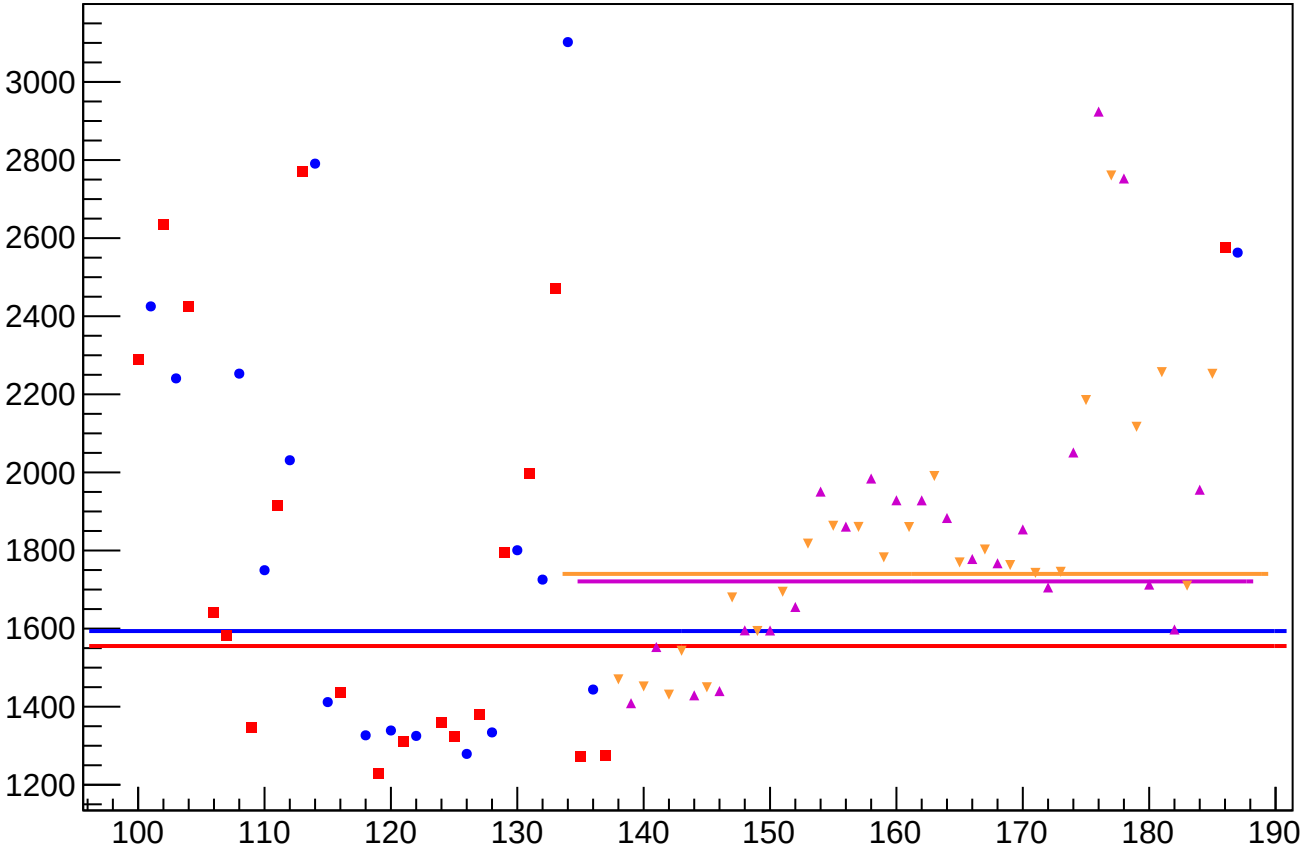
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -2.108+/-0.337 χ^2/NDF: 7182.2/41

All: 3.837+/-0.238 χ^2/NDF: 12818.1/84

\- sign 9.722+/-0.335 χ^2/NDF: 5016.9/42

diff_bpm0i07X_rms vs Slug



Right In: 1593.712+/-0.438 χ^2/NDF: 841617.3/16

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1555.380+/-0.415 χ^2/NDF: 1082392.7/19

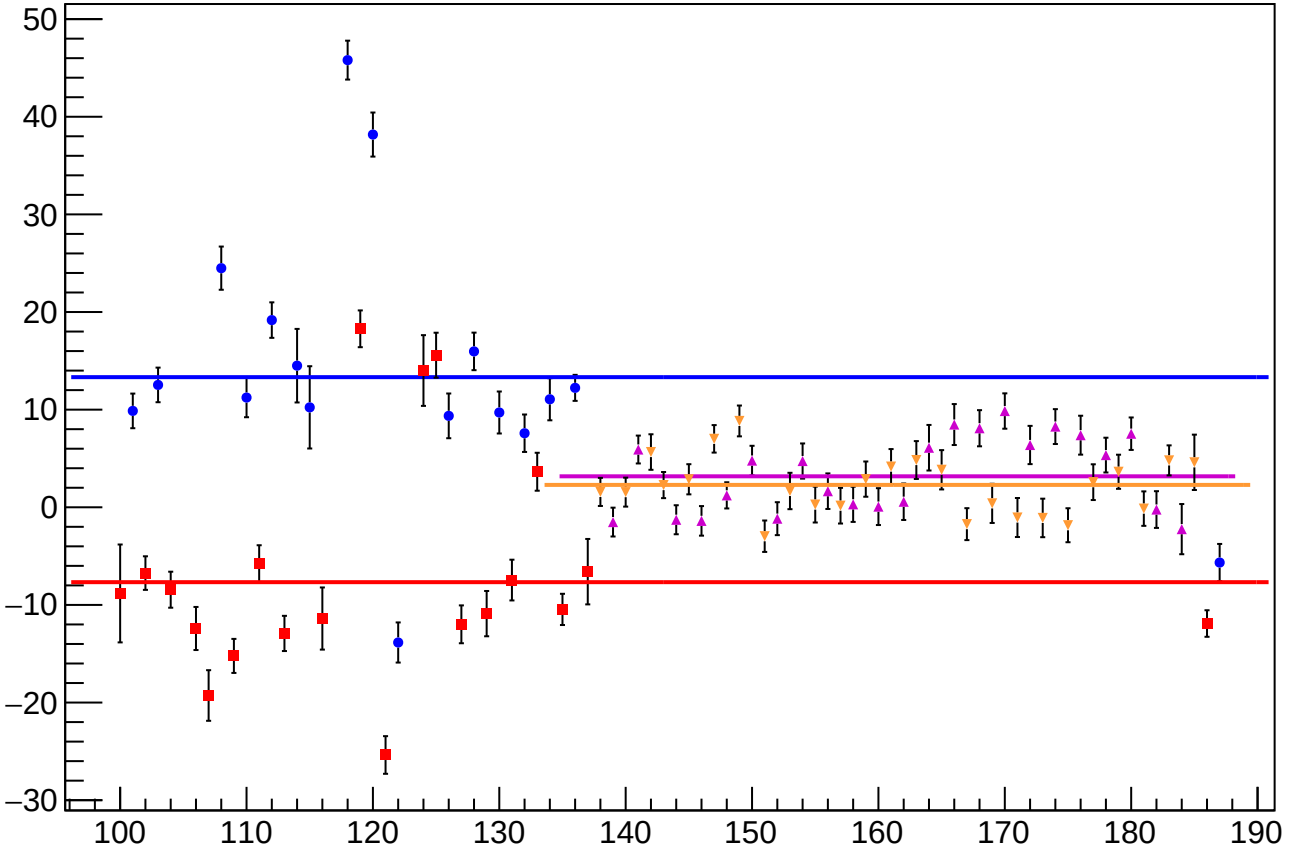
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1696.675+/-0.238 χ^2/NDF: 1673672.0/41

All: 1681.647+/-0.168 χ^2/NDF: 3755108.7/84

- sign 1666.771+/-0.237 χ^2/NDF: 2073526.5/42

diff_bpm0i07Y_mean vs Slug



Right In: 13.329+/-0.488 χ^2/NDF: 720.9/16

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

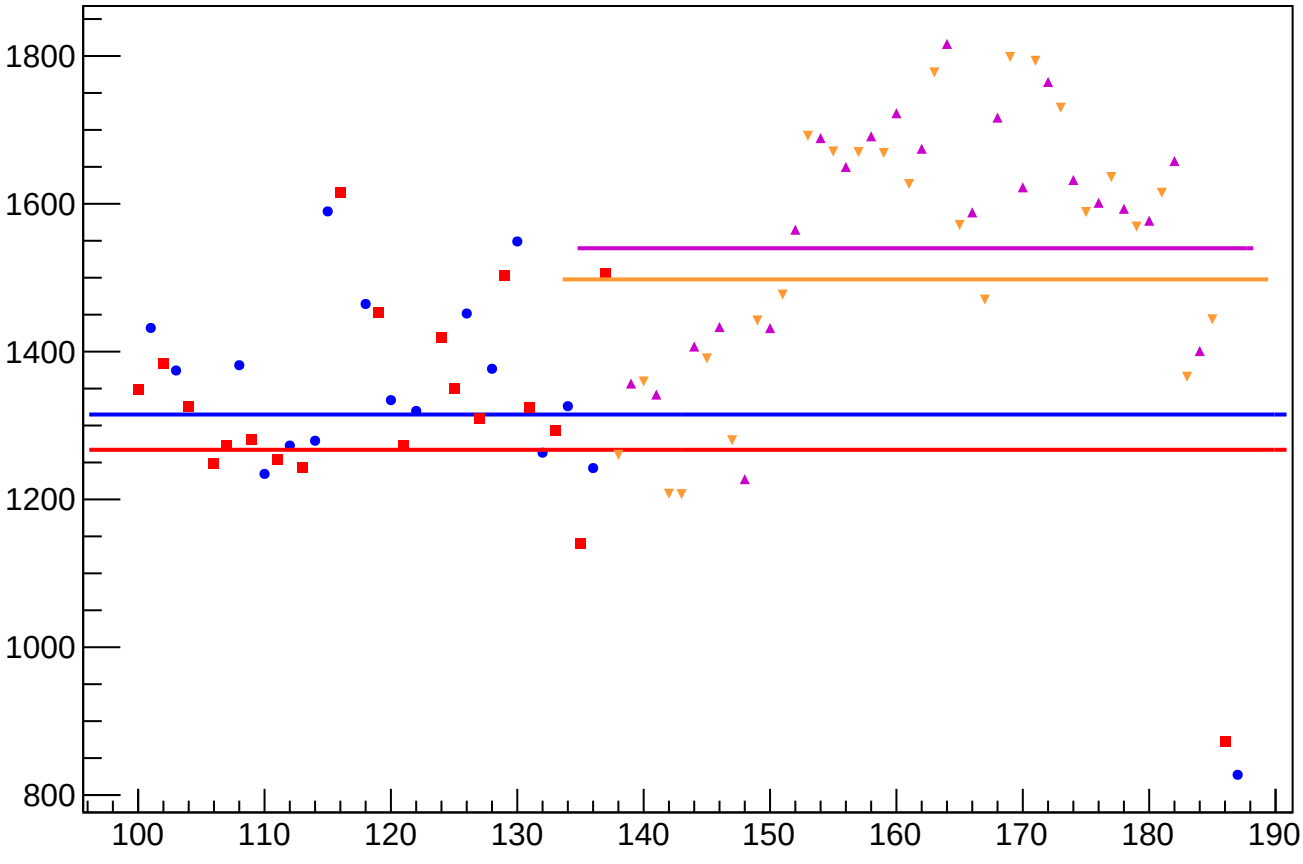
Right Out: -7.670+/-0.455 χ^2/NDF: 520.3/19

Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 5.952+/-0.281 χ^2/NDF: 1136.6/41

All: 2.493+/-0.200 χ^2/NDF: 2420.8/84

- sign -1.033+/-0.284 χ^2/NDF: 977.9/42



Right In: 1314.891+/-0.345 χ^2/NDF: 208190.3/16

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1267.177+/-0.322 χ^2/NDF: 276217.2/19

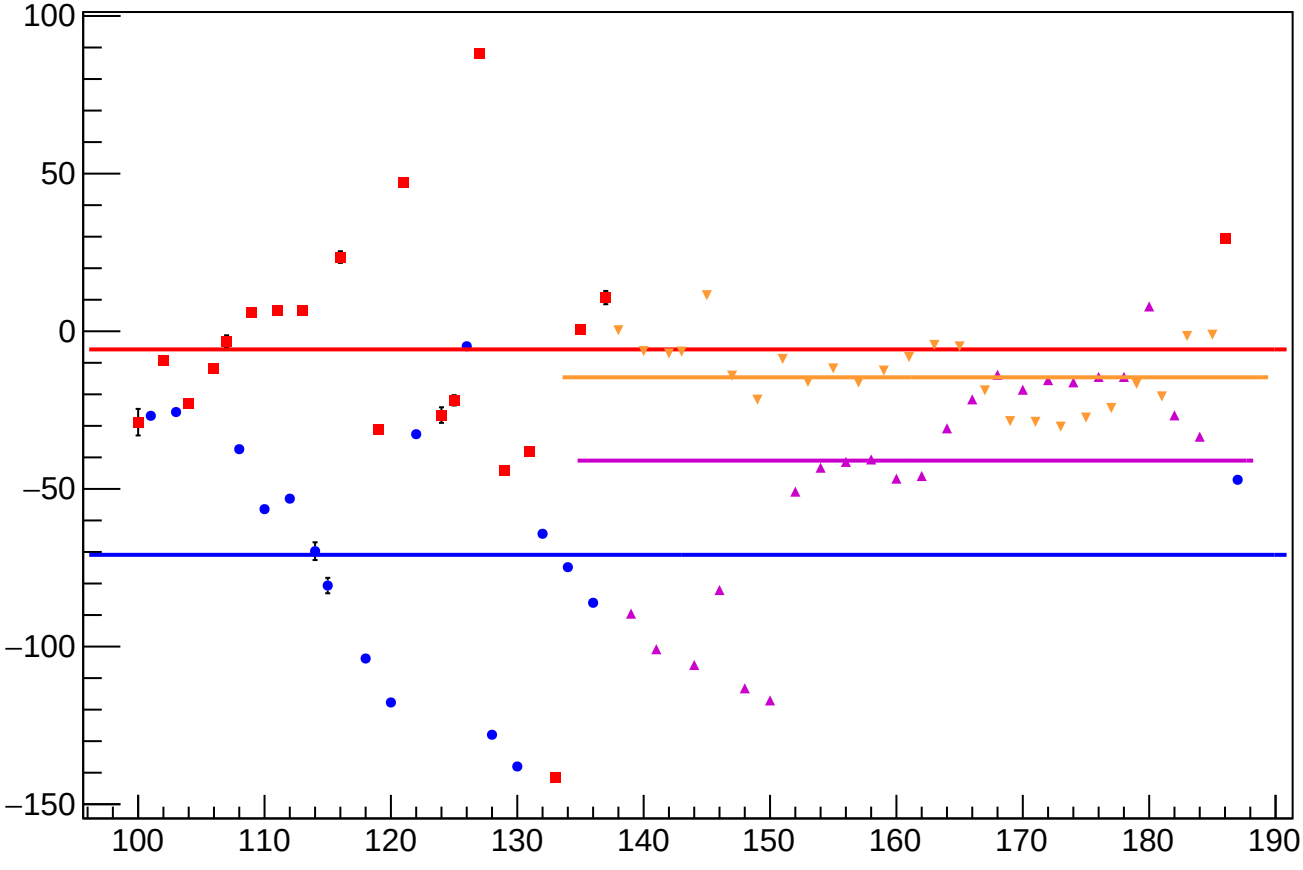
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1437.102+/-0.199 χ^2/NDF: 964676.1/41

All: 1435.616+/-0.141 χ^2/NDF: 2060554.2/84

- sign 1434.101+/-0.201 χ^2/NDF: 1095764.9/42

diff_bpm1i02X_mean vs Slug



Right In: -70.903+/-0.340 χ^2/NDF: 12443.0/16

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -5.750+/-0.325 χ^2/NDF: 20524.3/19

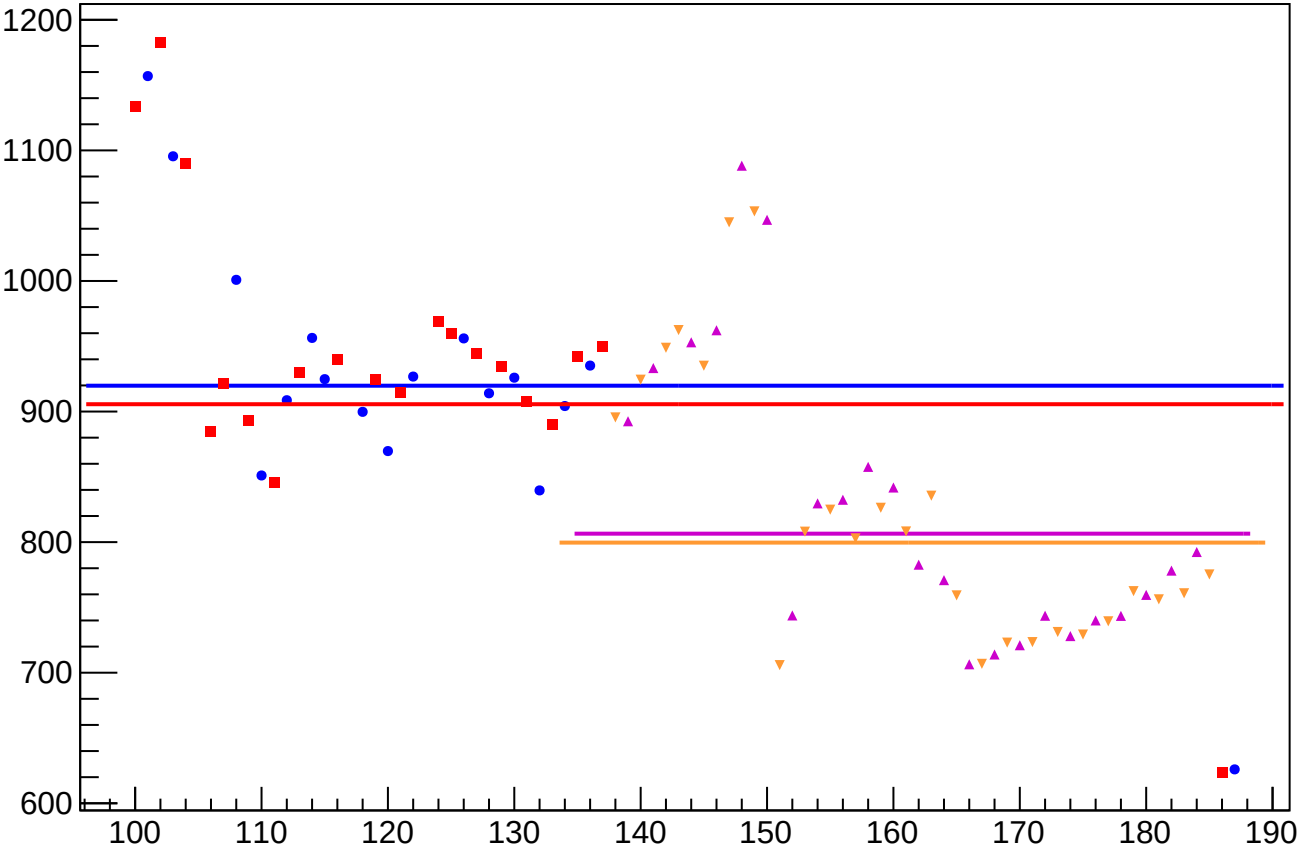
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

\+ sign -27.262+/-0.161 χ^2/NDF: 36908.5/41

All: -29.609+/-0.115 χ^2/NDF: 97729.5/84

\- sign -32.037+/-0.164 χ^2/NDF: 60389.2/42

diff_bpm1i02X_rms vs Slug



Right In: 919.797+/-0.240 χ^2/NDF: 192816.0/16

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

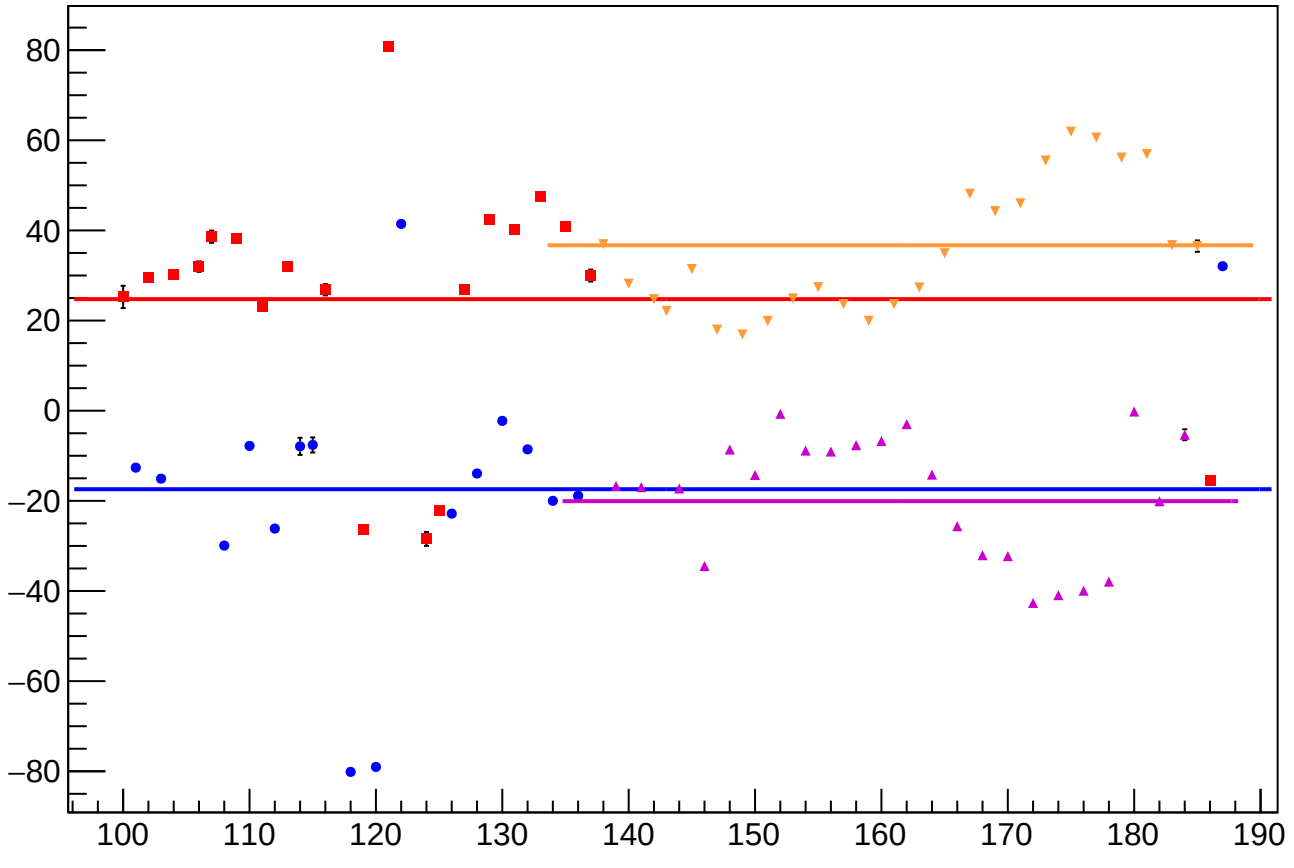
Right Out: 905.621+/-0.230 χ^2/NDF: 292350.6/19

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 826.666+/-0.114 χ^2/NDF: 884306.4/41

All: 829.156+/-0.081 χ^2/NDF: 1827953.5/84

- sign 831.732+/-0.116 χ^2/NDF: 942674.9/42



Right In: -17.416+/-0.229 χ^2/NDF: 15226.3/16

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 24.757+/-0.220 χ^2/NDF: 16087.8/19

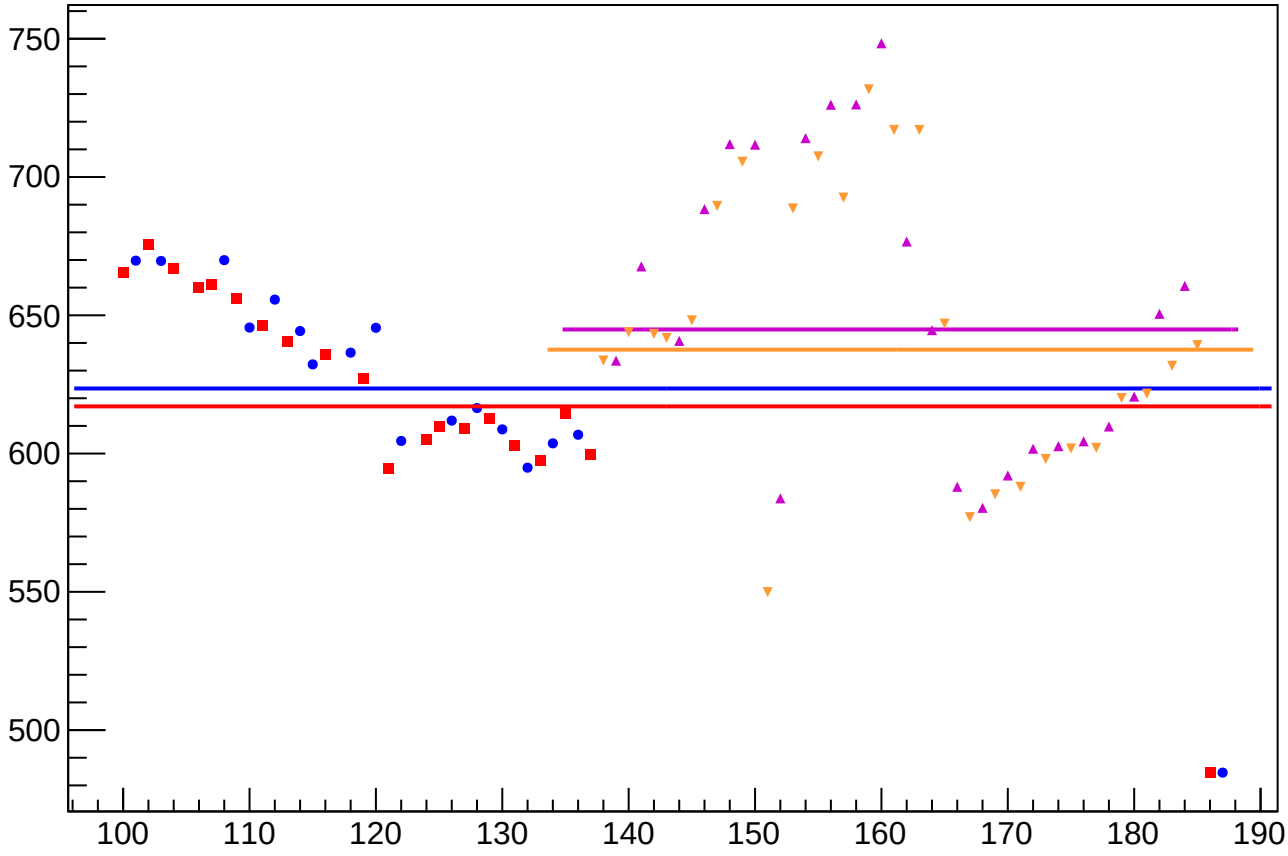
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.157+/-0.123 χ^2/NDF: 65244.6/41

All: 7.945+/-0.087 χ^2/NDF: 141641.9/84

- sign -5.657+/-0.125 χ^2/NDF: 52895.3/42

diff_bpm1i02Y_rms vs Slug



Right In: 623.539+/-0.162 χ^2/NDF: 57729.9/16

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 617.059+/-0.155 χ^2/NDF: 94279.6/19

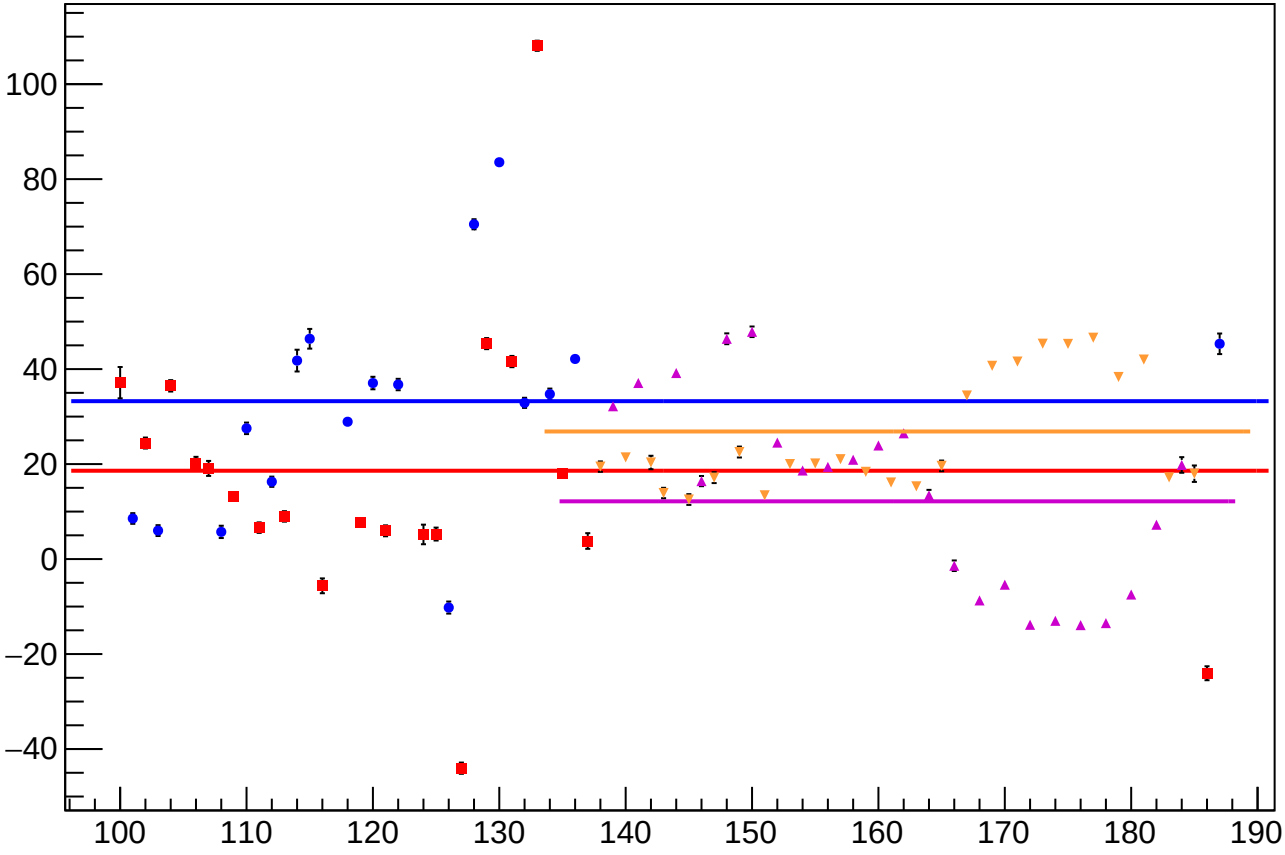
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

\+ sign 633.539+/-0.087 χ^2/NDF: 299617.6/41

All: 634.717+/-0.062 χ^2/NDF: 645580.4/84

\- sign 635.930+/-0.088 χ^2/NDF: 345588.9/42

diff_bpm1i04X_mean vs Slug



Right In: 33.248+/-0.286 χ^2/NDF: 6731.8/16

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 18.600+/-0.281 χ^2/NDF: 12743.9/19

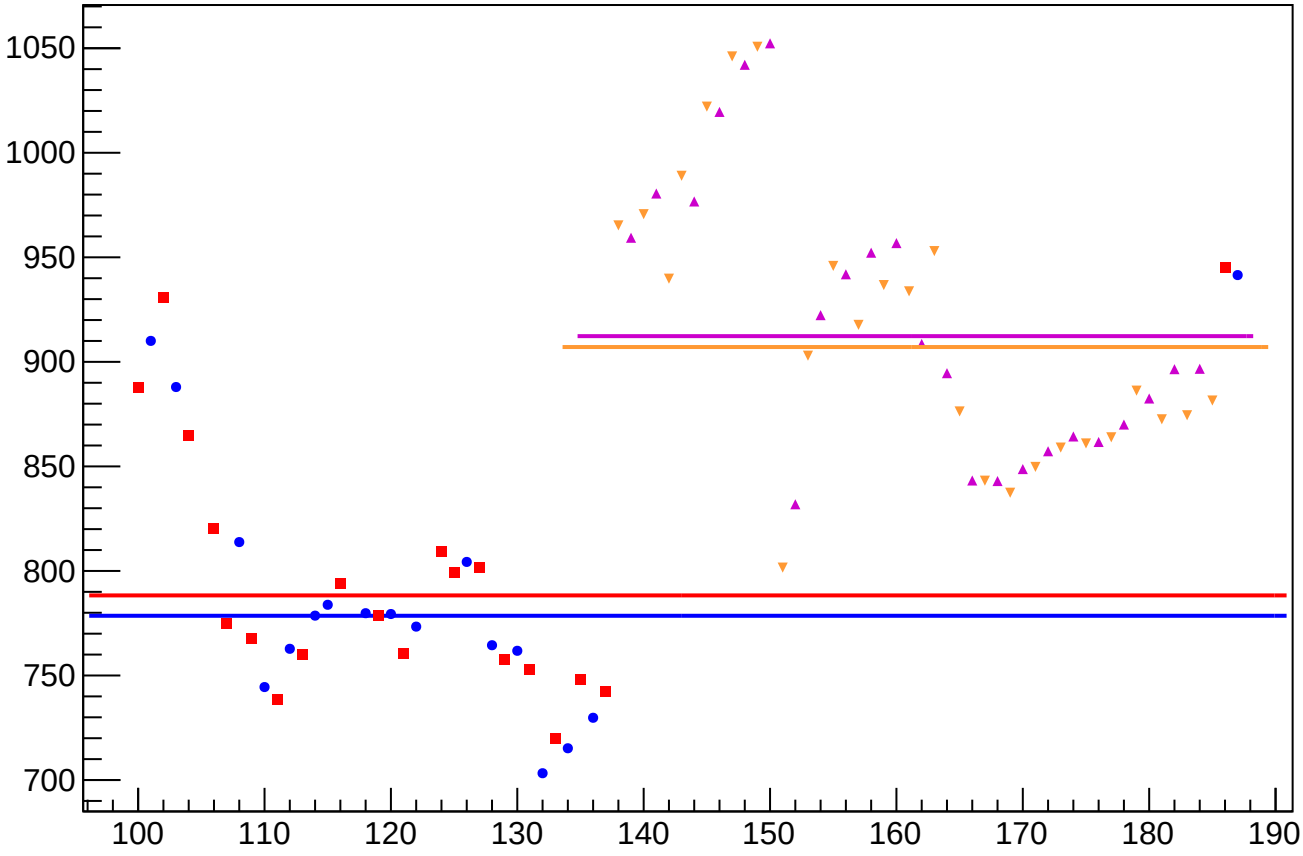
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 29.052+/-0.168 χ^2/NDF: 10448.7/41

All: 21.892+/-0.119 χ^2/NDF: 35777.0/84

\- sign 14.522+/-0.170 χ^2/NDF: 21624.2/42

diff_bpm1i04X_rms vs Slug



Right In: 778.562+/-0.202 χ^2/NDF: 86177.4/16

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

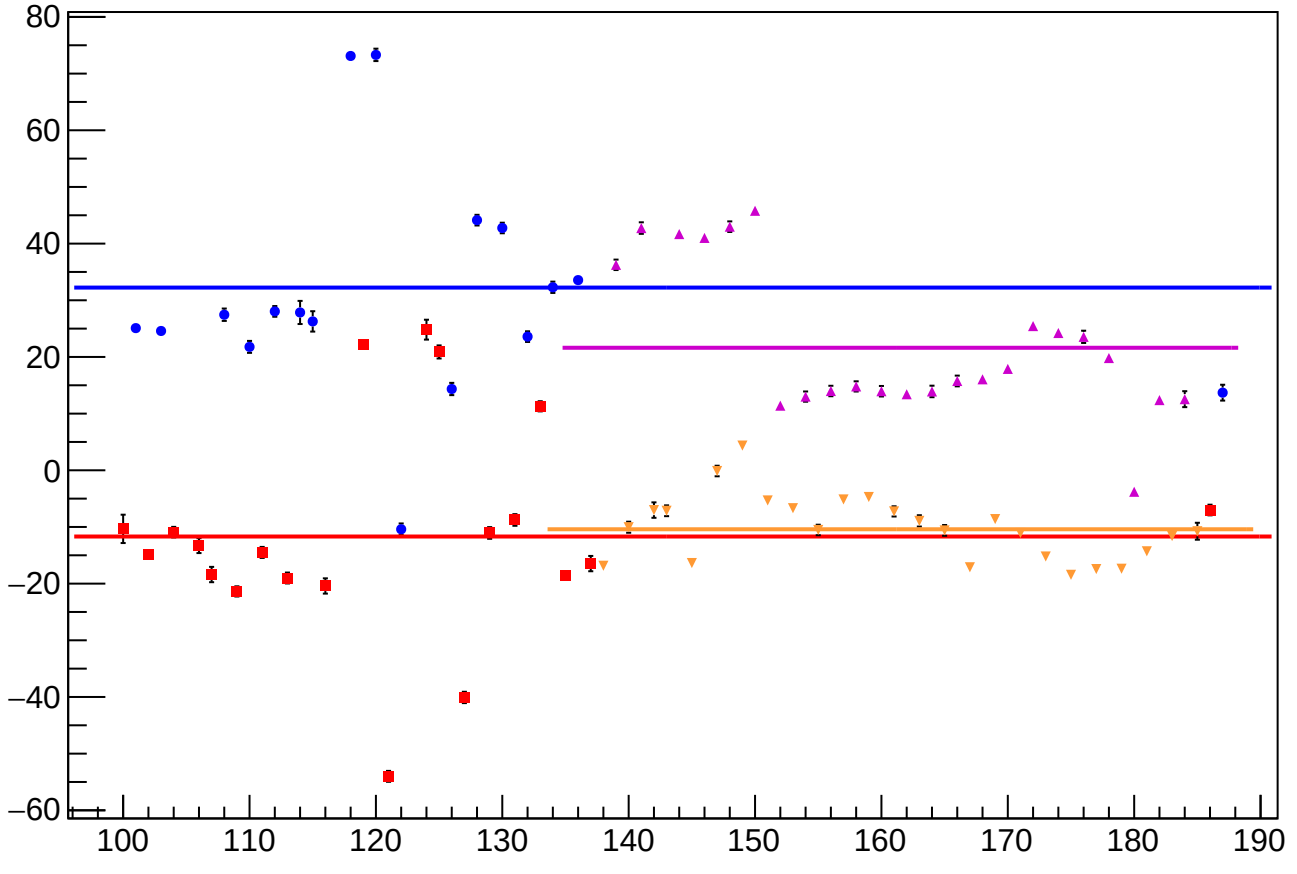
Right Out: 788.299+/-0.198 χ^2/NDF: 88221.7/19

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

\+ sign 863.072+/-0.119 χ^2/NDF: 545678.1/41

All: 864.911+/-0.084 χ^2/NDF: 1056213.9/84

\- sign 866.804+/-0.120 χ^2/NDF: 510047.2/42



Right In: 32.241+/-0.240 χ^2/NDF: 6440.5/16

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -11.686+/-0.234 χ^2/NDF: 6586.1/19

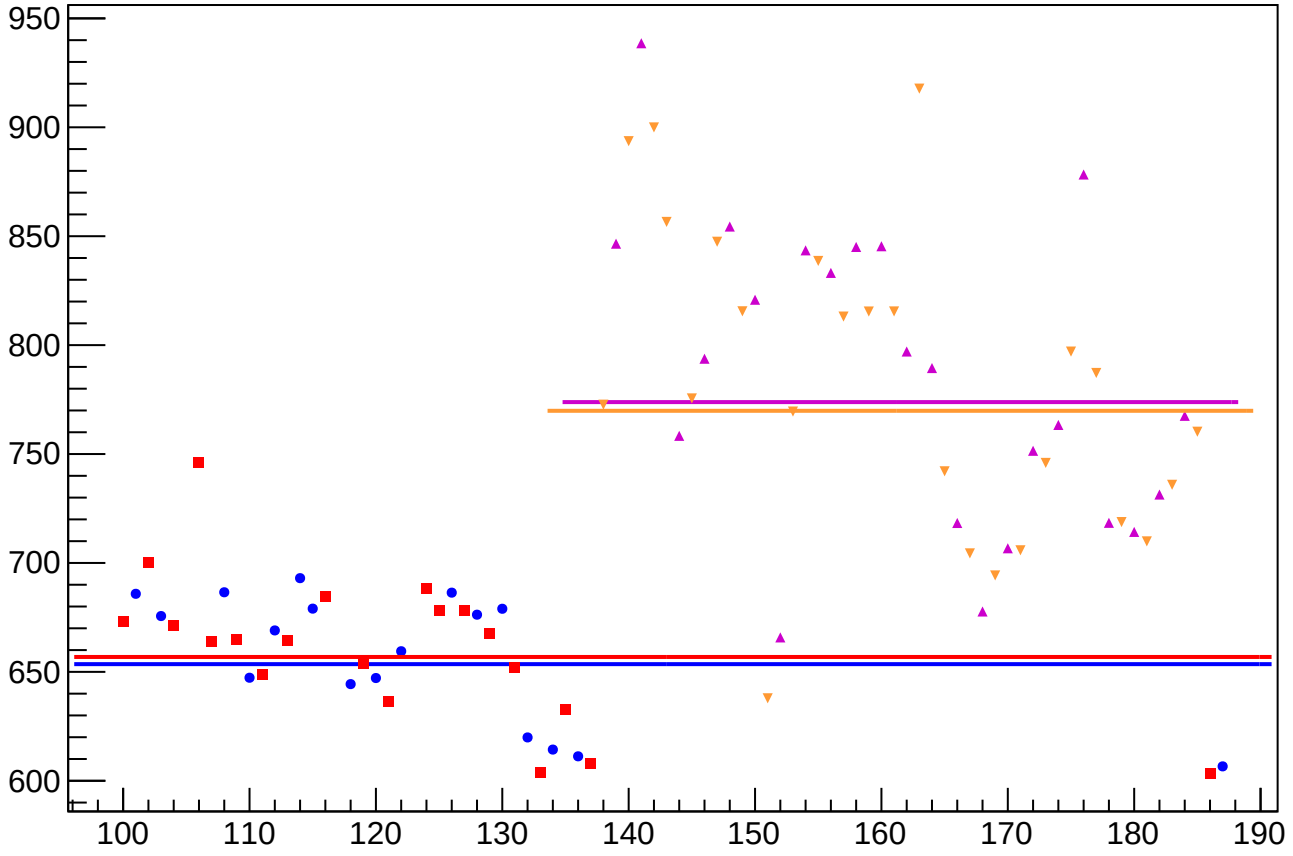
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

\+ sign 4.516+/-0.142 χ^2/NDF: 28026.6/41

All: 6.754+/-0.101 χ^2/NDF: 53013.9/84

\- sign 9.043+/-0.144 χ^2/NDF: 24484.2/42

diff_bpm1i04Y_rms vs Slug



Right In: 653.547+/-0.170 χ^2/NDF: 29065.1/16

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

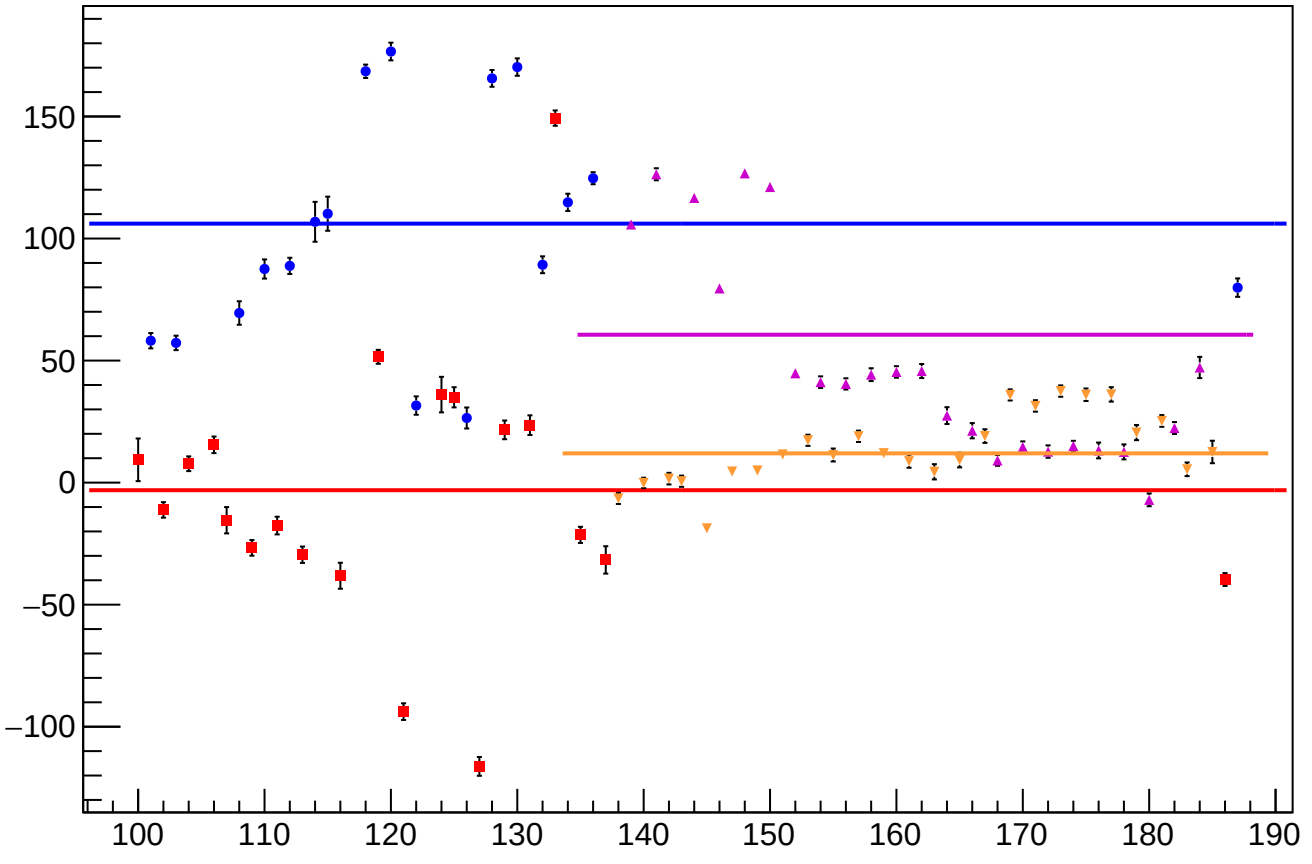
Right Out: 656.841+/-0.165 χ^2/NDF: 37301.5/19

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 729.157+/-0.100 χ^2/NDF: 639166.5/41

All: 729.406+/-0.071 χ^2/NDF: 1271688.1/84

- sign 729.660+/-0.101 χ^2/NDF: 632509.2/42



Right In: 106.108+/-0.862 χ^2/NDF: 3006.6/16

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -3.110+/-0.818 χ^2/NDF: 4976.9/19

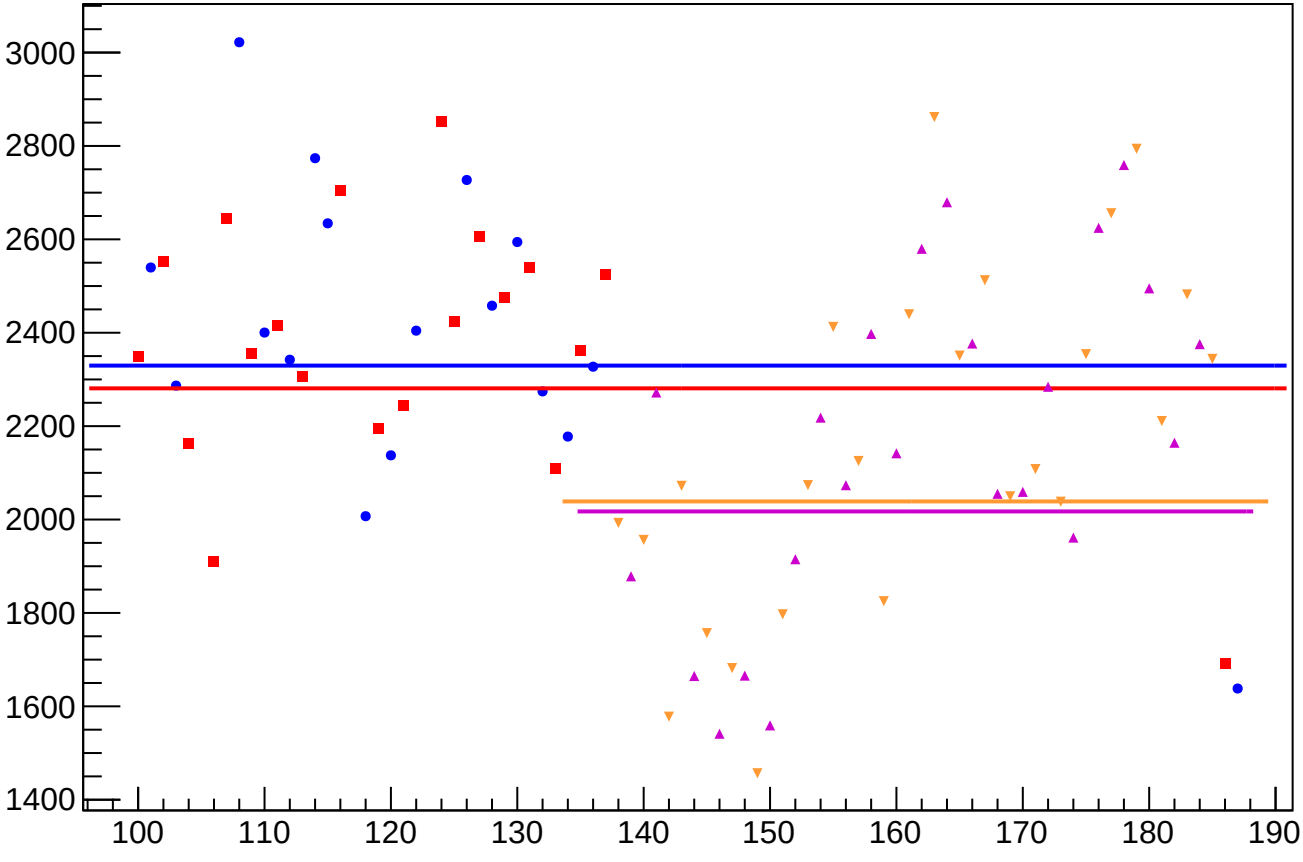
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 33.667+/-0.414 χ^2/NDF: 13130.0/41

All: 38.944+/-0.293 χ^2/NDF: 31576.1/84

- sign 44.244+/-0.415 χ^2/NDF: 18120.1/42

diff_bpm1i06X_rms vs Slug



Right In: 2329.651+/-0.610 χ^2/NDF: 197462.1/16

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 2280.907+/-0.579 χ^2/NDF: 222808.3/19

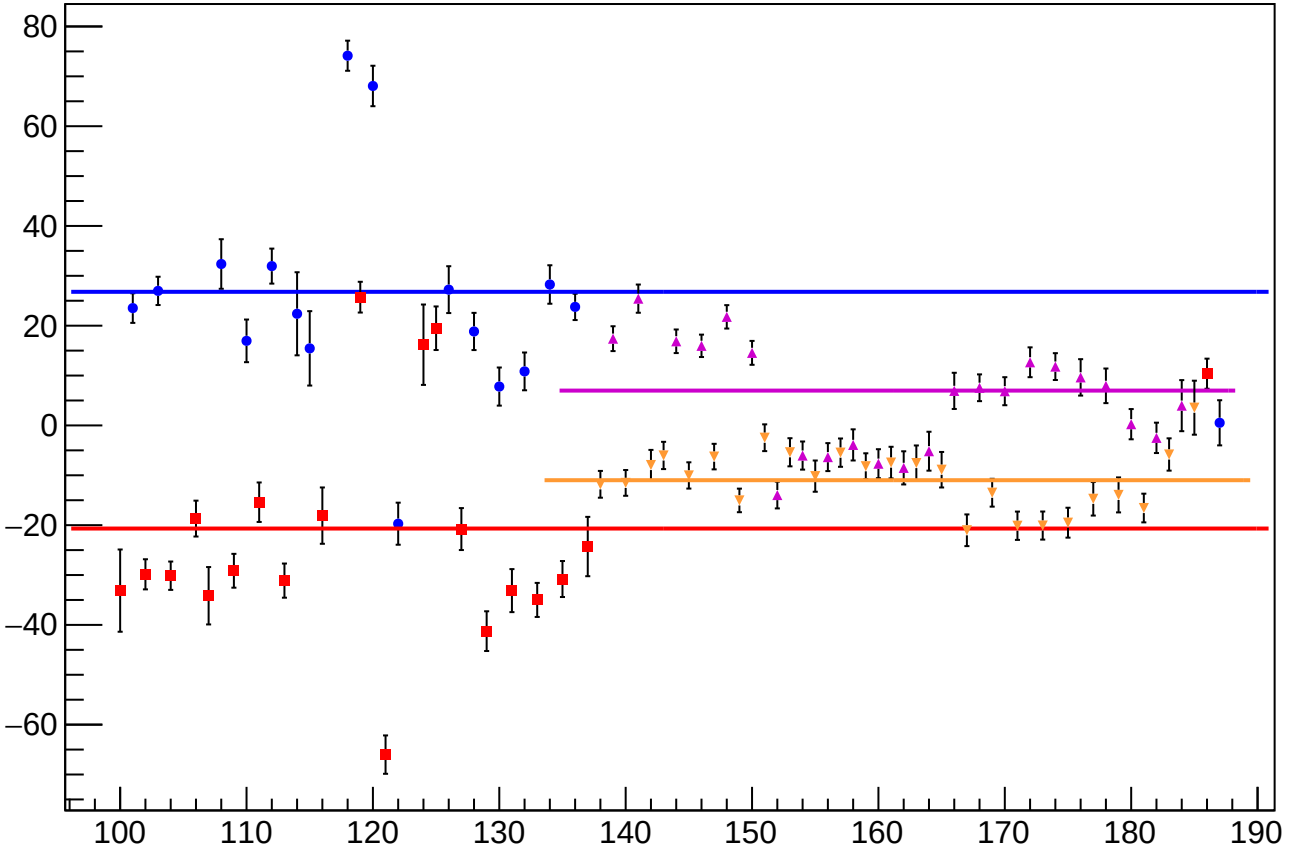
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 2105.779+/-0.293 χ^2/NDF: 1496258.5/41

All: 2095.407+/-0.207 χ^2/NDF: 2925857.2/84

- sign 2084.989+/-0.293 χ^2/NDF: 1427078.8/42

diff_bpm1i06Y_mean vs Slug



Right In: 26.791+/-0.917 χ^2/NDF: 565.8/16

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -20.678+/-0.865 χ^2/NDF: 683.3/19

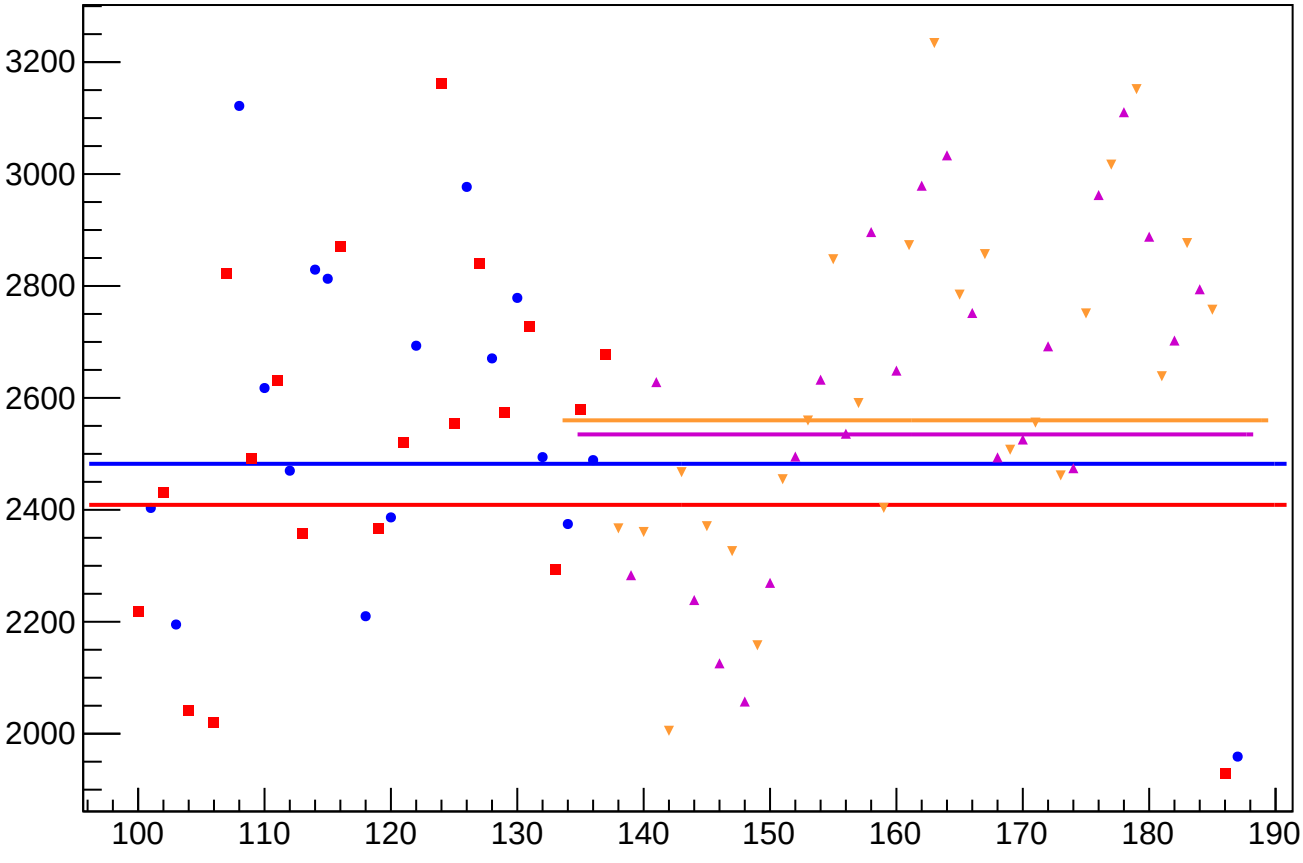
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.040+/-0.494 χ^2/NDF: 1857.9/41

All: -1.010+/-0.349 χ^2/NDF: 3580.3/84

- sign -1.974+/-0.492 χ^2/NDF: 1714.7/42

diff_bpm1i06Y_rms vs Slug



Right In: 2482.251+/-0.649 χ^2/NDF: 154456.1/16

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

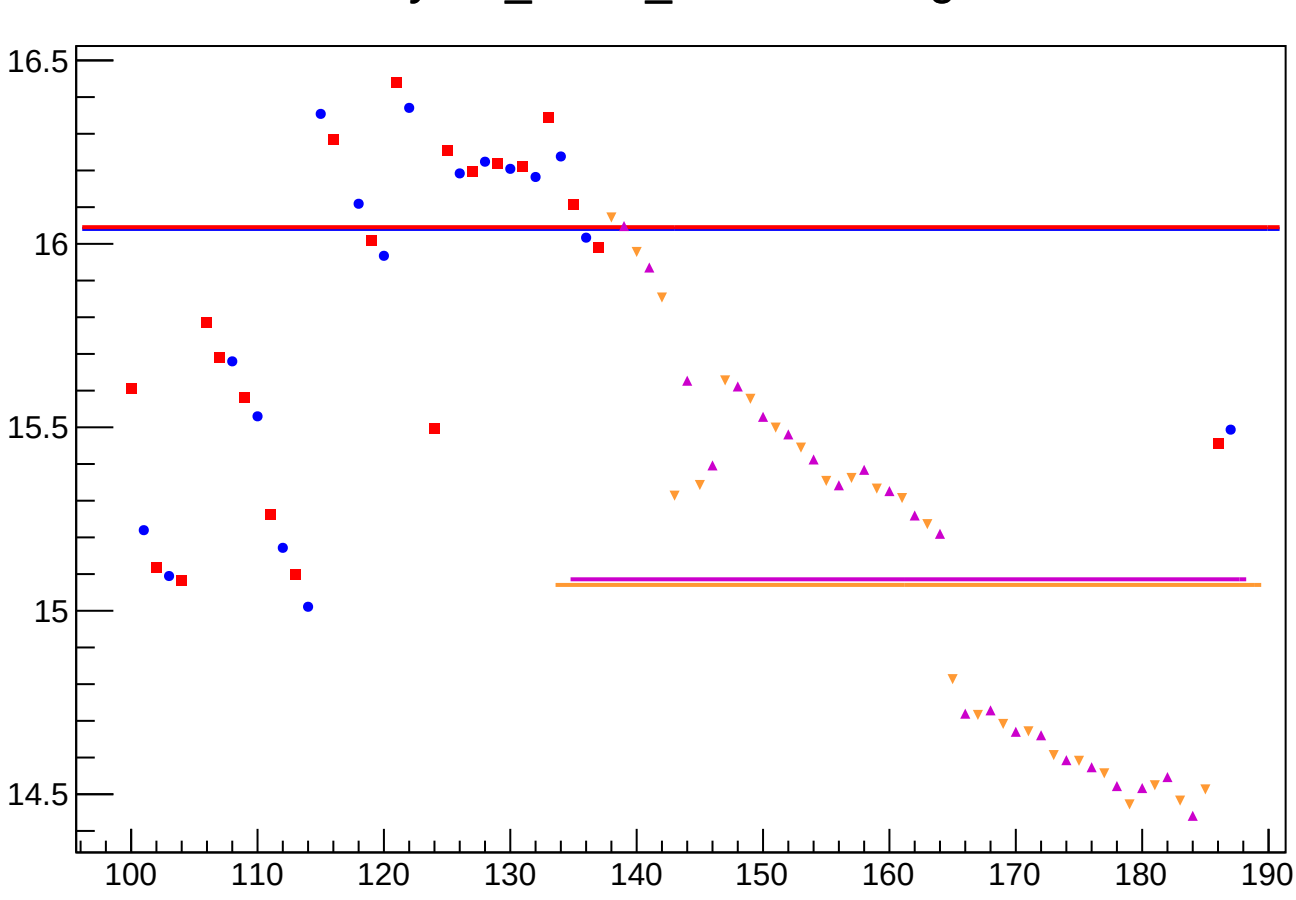
Right Out: 2408.899+/-0.611 χ^2/NDF: 208437.8/19

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2537.424+/-0.349 χ^2/NDF: 614831.1/41

All: 2515.646+/-0.246 χ^2/NDF: 1323302.4/84

- sign 2494.014+/-0.348 χ^2/NDF: 700715.8/42



Right In: 16.041+/-0.000 χ^2/NDF: 2876802256.0/16

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 16.045+/-0.000 χ^2/NDF: 3561004039.5/19

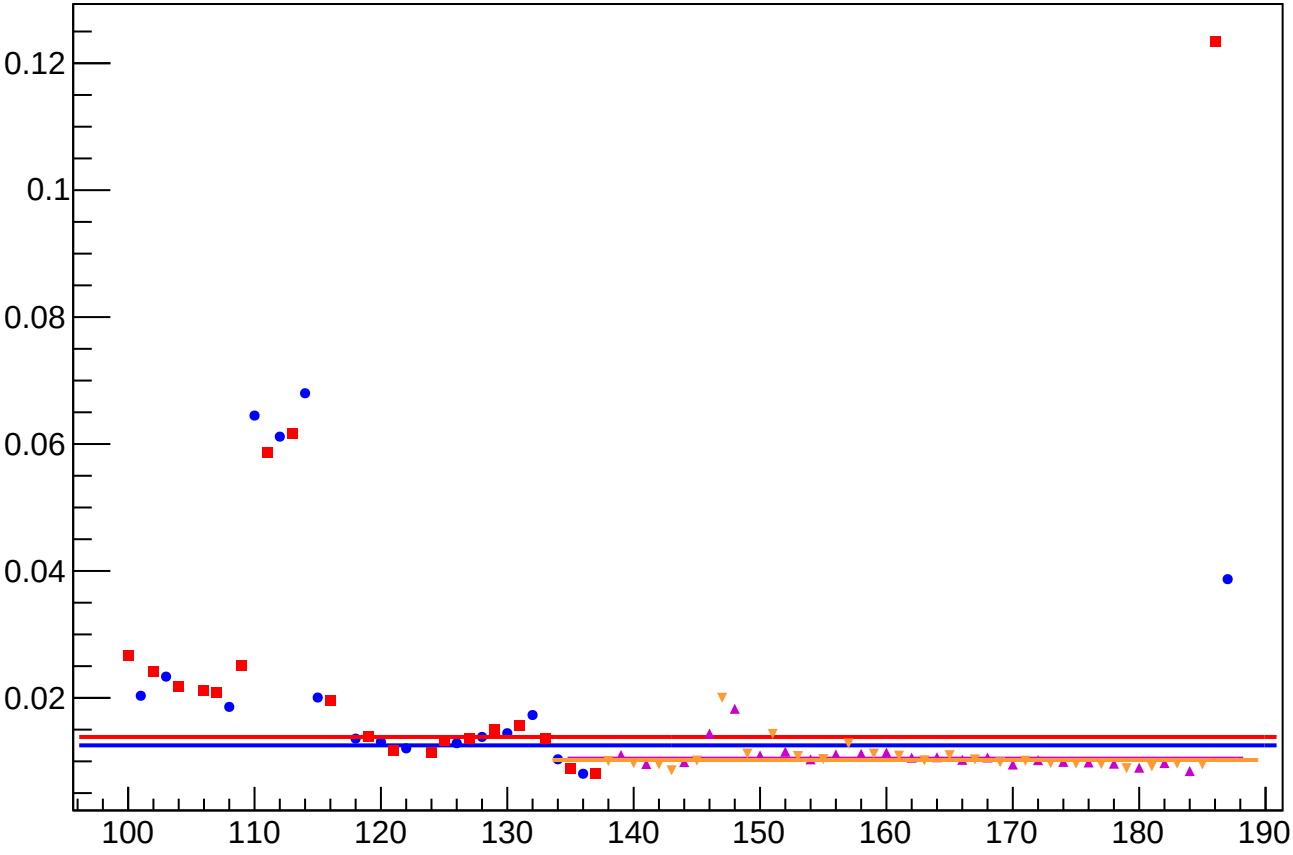
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.236+/-0.000 χ^2/NDF: 74499063630.7/41

All: 15.238+/-0.000 χ^2/NDF: 140856825978.

- sign 15.239+/-0.000 χ^2/NDF: 66356519197.4/42

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2482988.0/16

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2842950.7/19

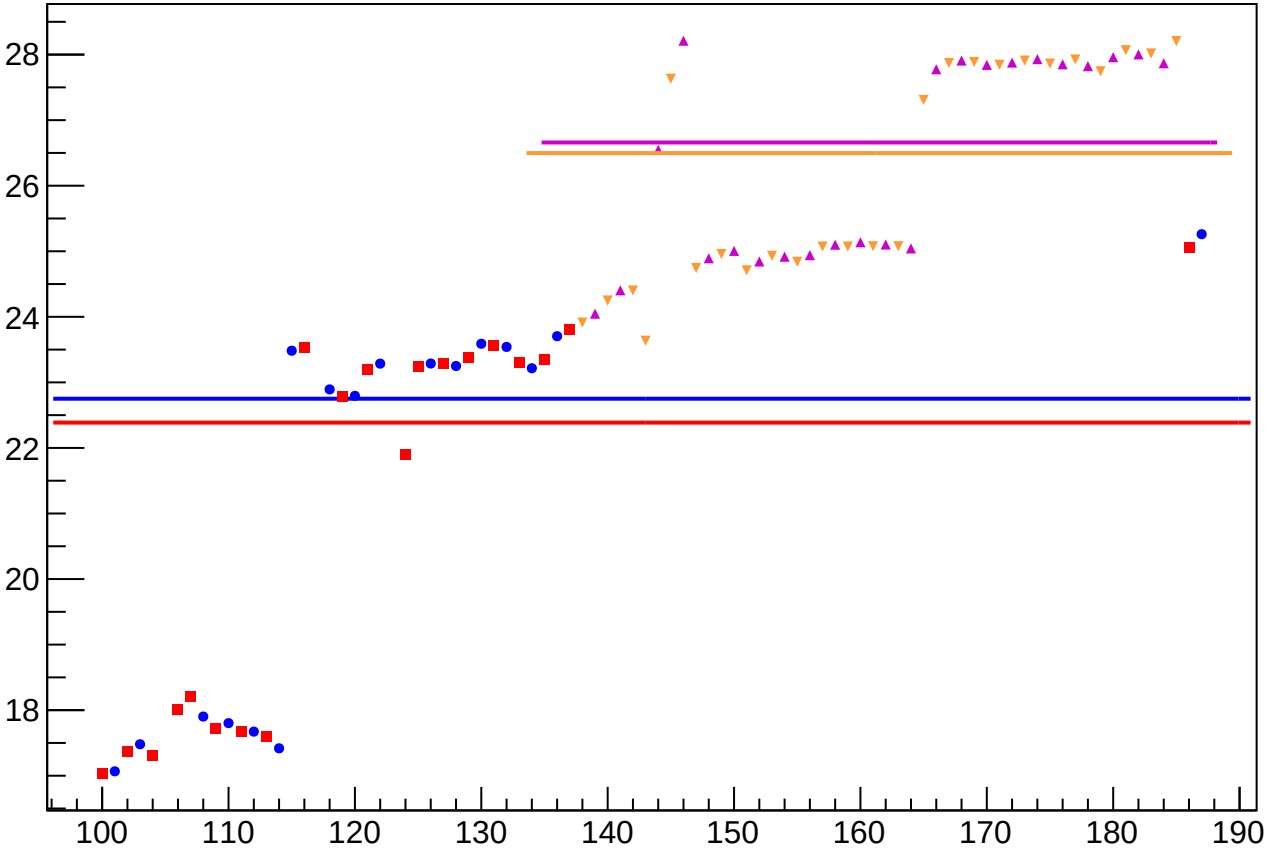
Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3557978.4/41

All: 0.011+/-0.000 χ^2/NDF: 7614832.3/84

- sign 0.011+/-0.000 χ^2/NDF: 4030444.5/42

yield_sam2_mean vs Slug



Right In: 22.751+/-0.000 χ^2/NDF: 1233565641.4/16

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.387+/-0.000 χ^2/NDF: 1224543723.7/19

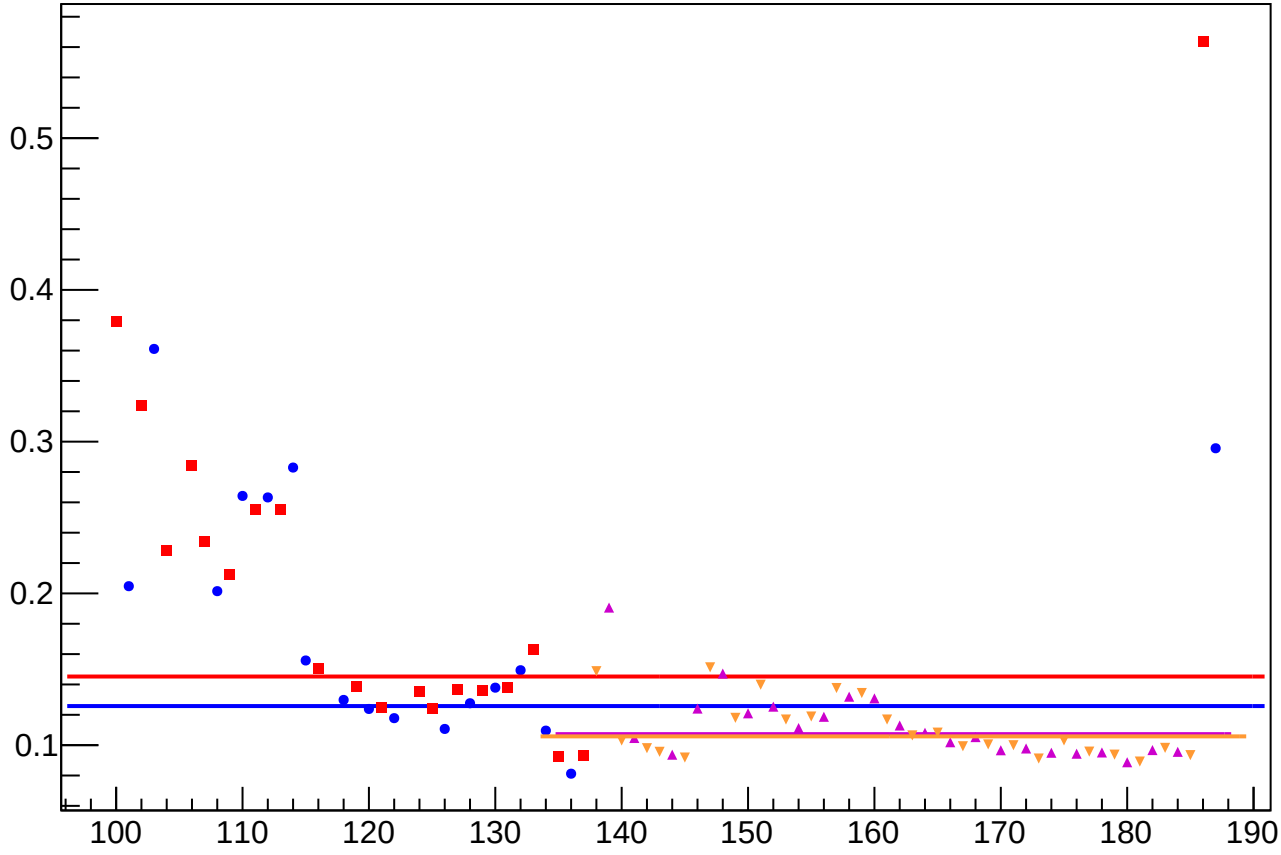
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.790+/-0.000 χ^2/NDF: 9077497197.6/41

All: 25.855+/-0.000 χ^2/NDF: 17454852623.1

- sign 25.929+/-0.000 χ^2/NDF: 8360668192.6/42

yield_sam2_rms vs Slug



Right In: 0.126+/-0.000 χ^2/NDF: 1867609.5/16

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.145+/-0.000 χ^2/NDF: 2007957.1/19

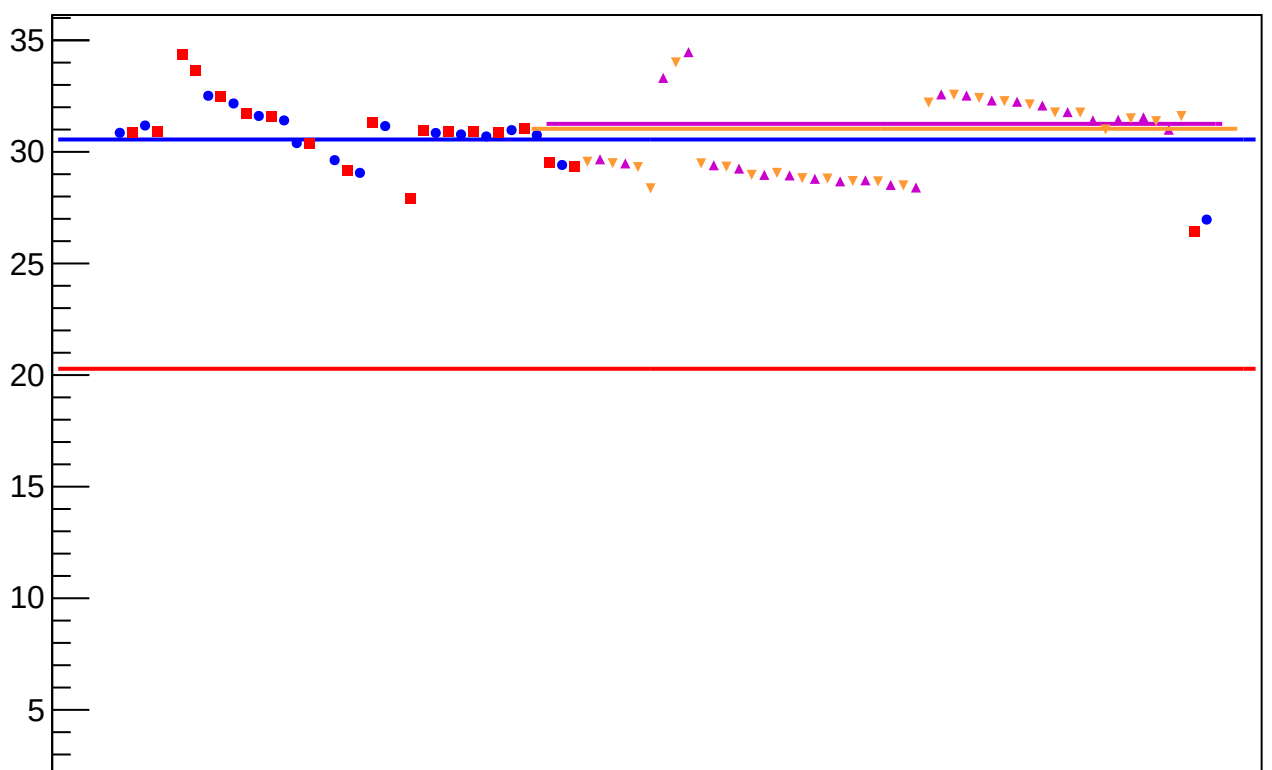
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.110+/-0.000 χ^2/NDF: 2847508.4/41

All: 0.112+/-0.000 χ^2/NDF: 6416368.3/84

- sign 0.114+/-0.000 χ^2/NDF: 3538387.3/42

yield_sam3_mean vs Slug



Right In: 30.555+/-0.000 χ^2/NDF: 735013141.2/16

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.282+/-0.000 χ^2/NDF: 221653032550.5/19

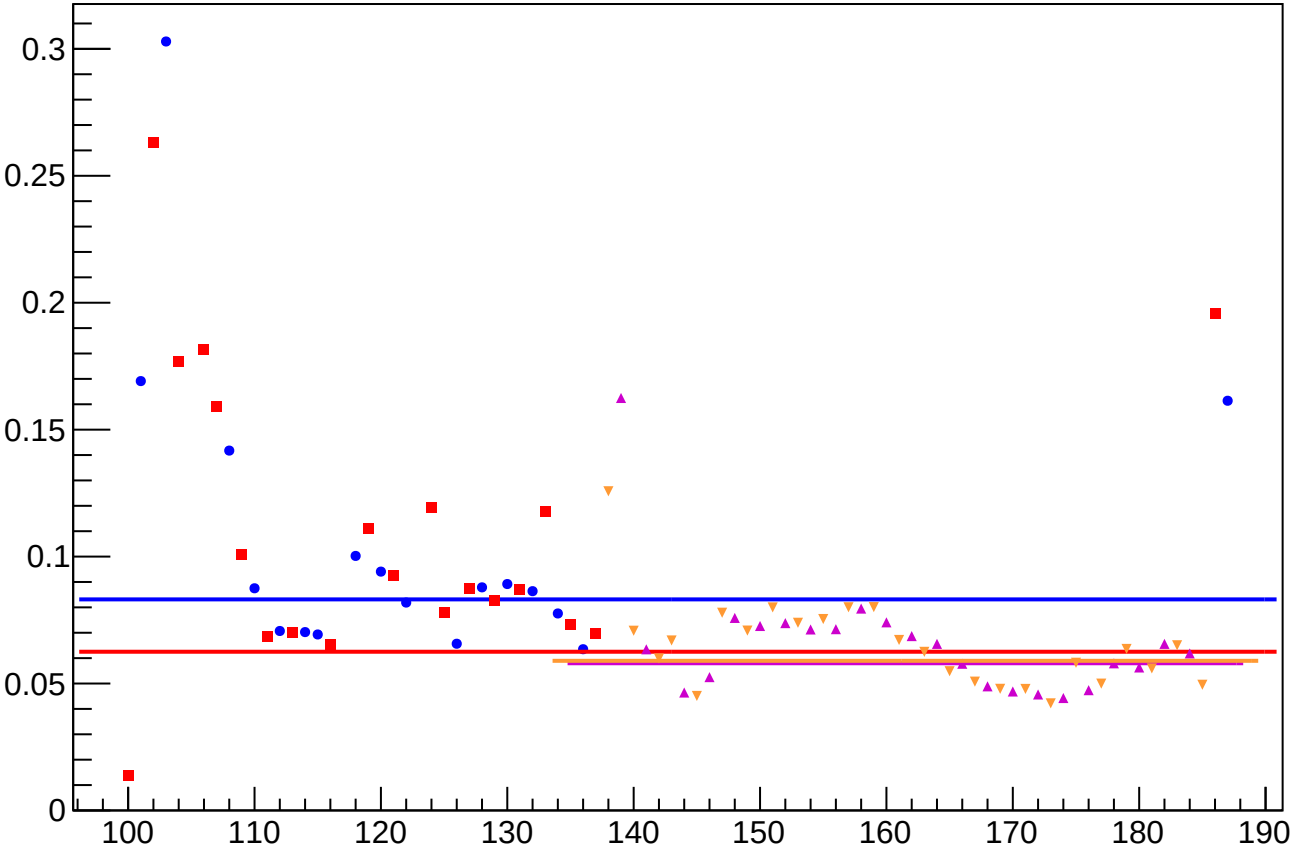
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.961+/-0.000 χ^2/NDF: 12784463318.3/41

All: 29.939+/-0.000 χ^2/NDF: 361905150979.

- sign 28.949+/-0.000 χ^2/NDF: 338708713084.6/42

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF: 1340179.9/16

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

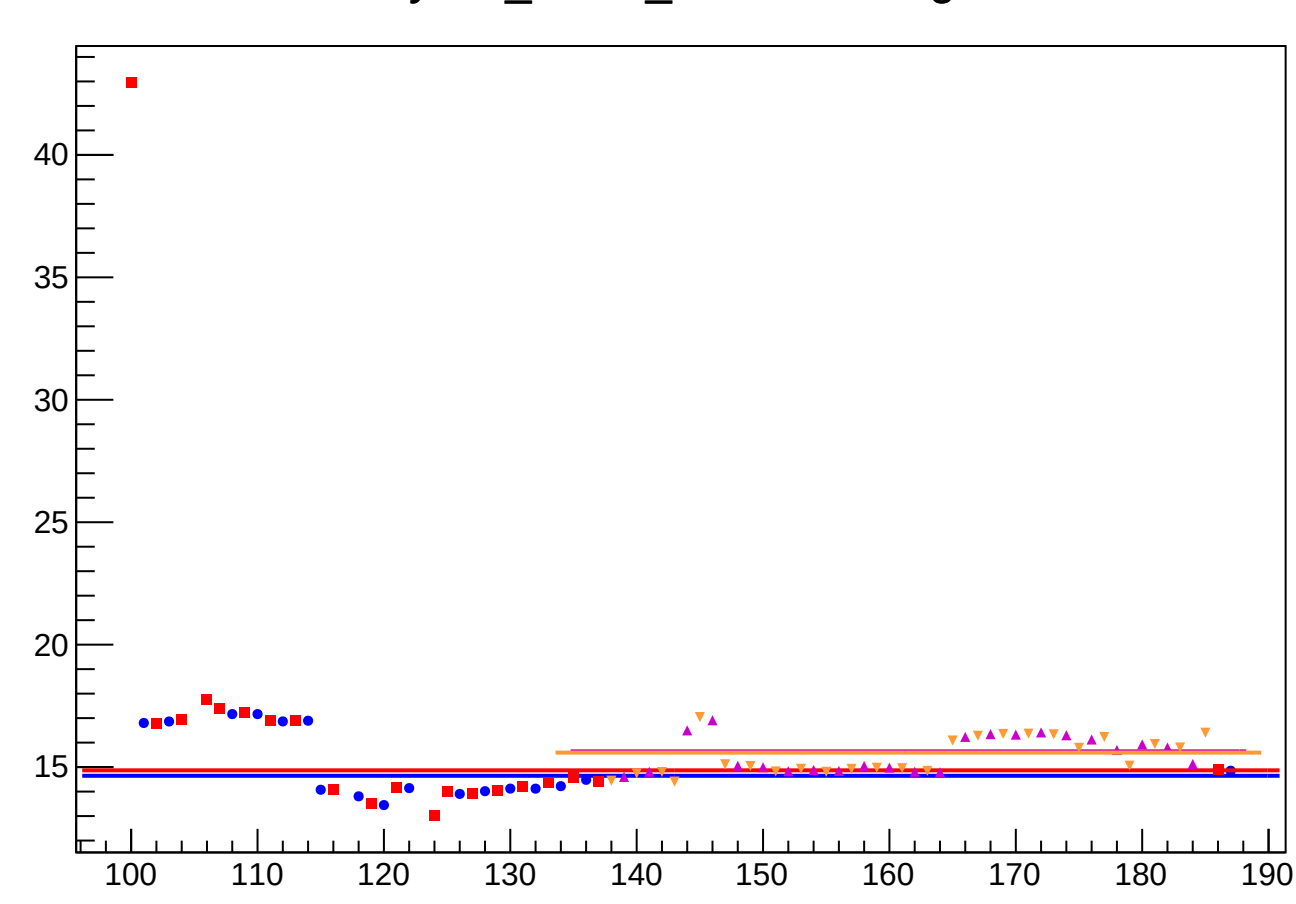
Right Out: 0.063+/-0.000 χ^2/NDF: 4382054.5/19

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.063+/-0.000 χ^2/NDF: 3649714.3/41

All: 0.061+/-0.000 χ^2/NDF: 9855720.1/84

- sign 0.059+/-0.000 χ^2/NDF: 6134296.7/42



Right In: 14.645+/-0.000 χ^2/NDF: 1194098364.1/16

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.868+/-0.000 χ^2/NDF: 1730041813.5/19

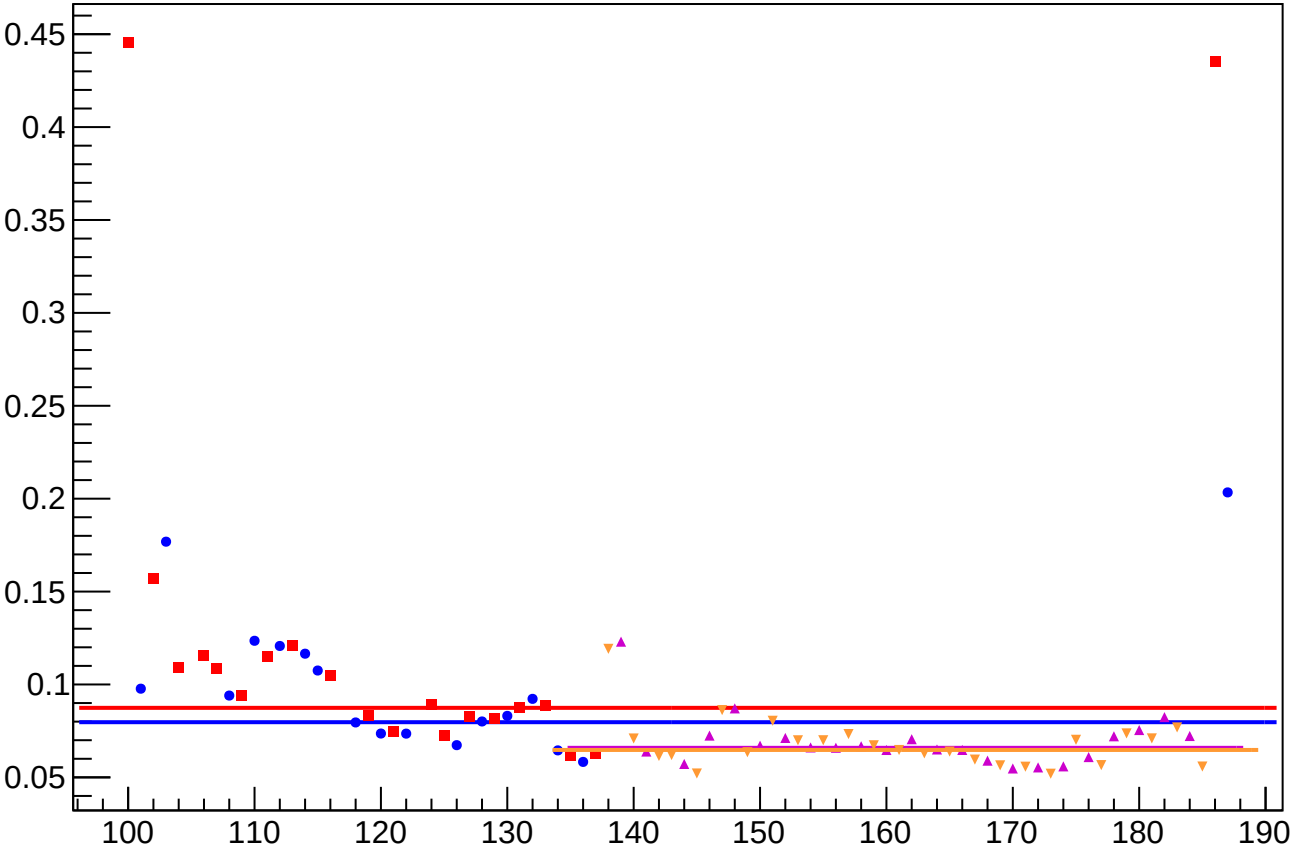
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.407+/-0.000 χ^2/NDF: 4130977197.5/41

All: 15.451+/-0.000 χ^2/NDF: 8142289136.8/8

- sign 15.500+/-0.000 χ^2/NDF: 3991664318.2/42

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF: 1050744.8/16

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 1293124.7/19

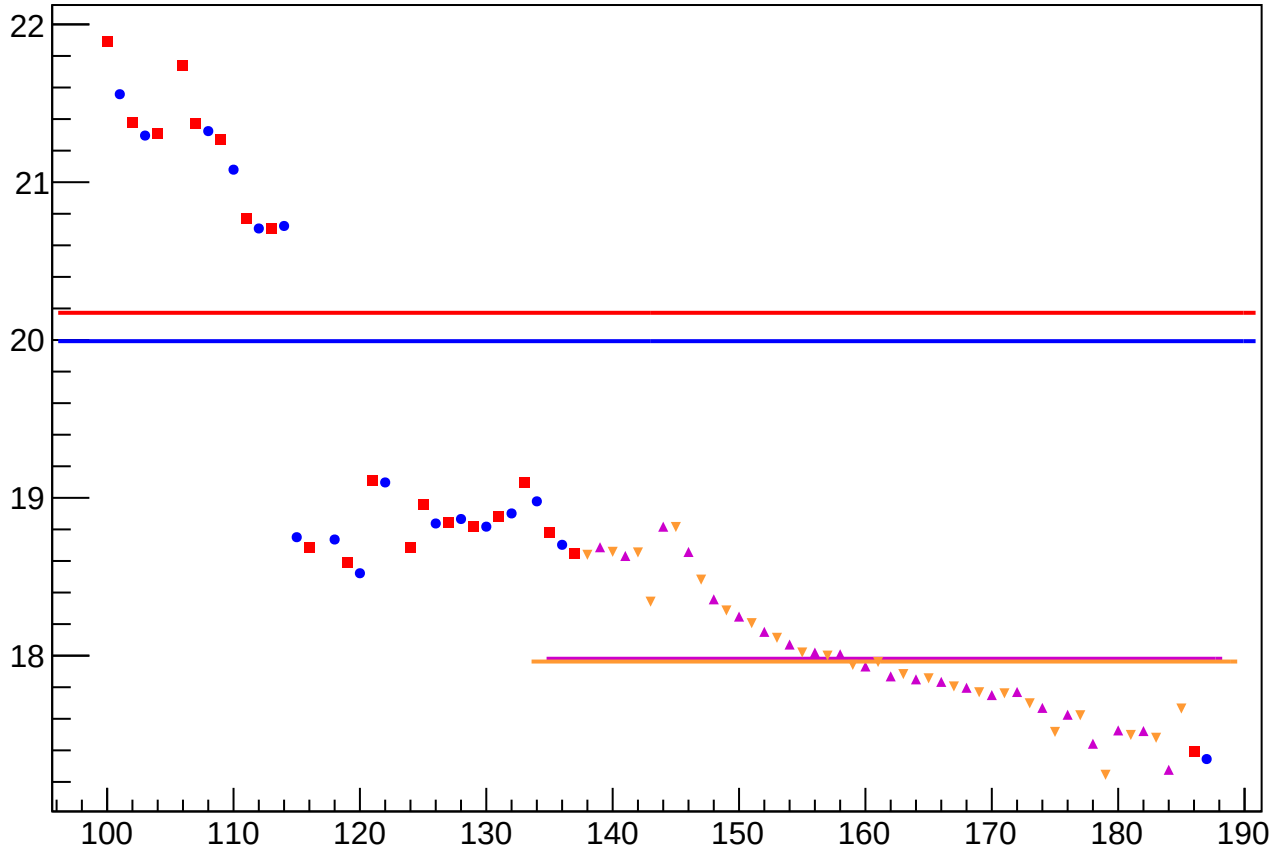
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.068+/-0.000 χ^2/NDF: 2245480.8/41

All: 0.069+/-0.000 χ^2/NDF: 4970092.1/84

- sign 0.070+/-0.000 χ^2/NDF: 2701076.0/42

yield_sam5_mean vs Slug



Right In: 19.993+/-0.000 χ^2/NDF: 11011618429.6/16

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 20.173+/-0.000 χ^2/NDF: 10455836405.0/19

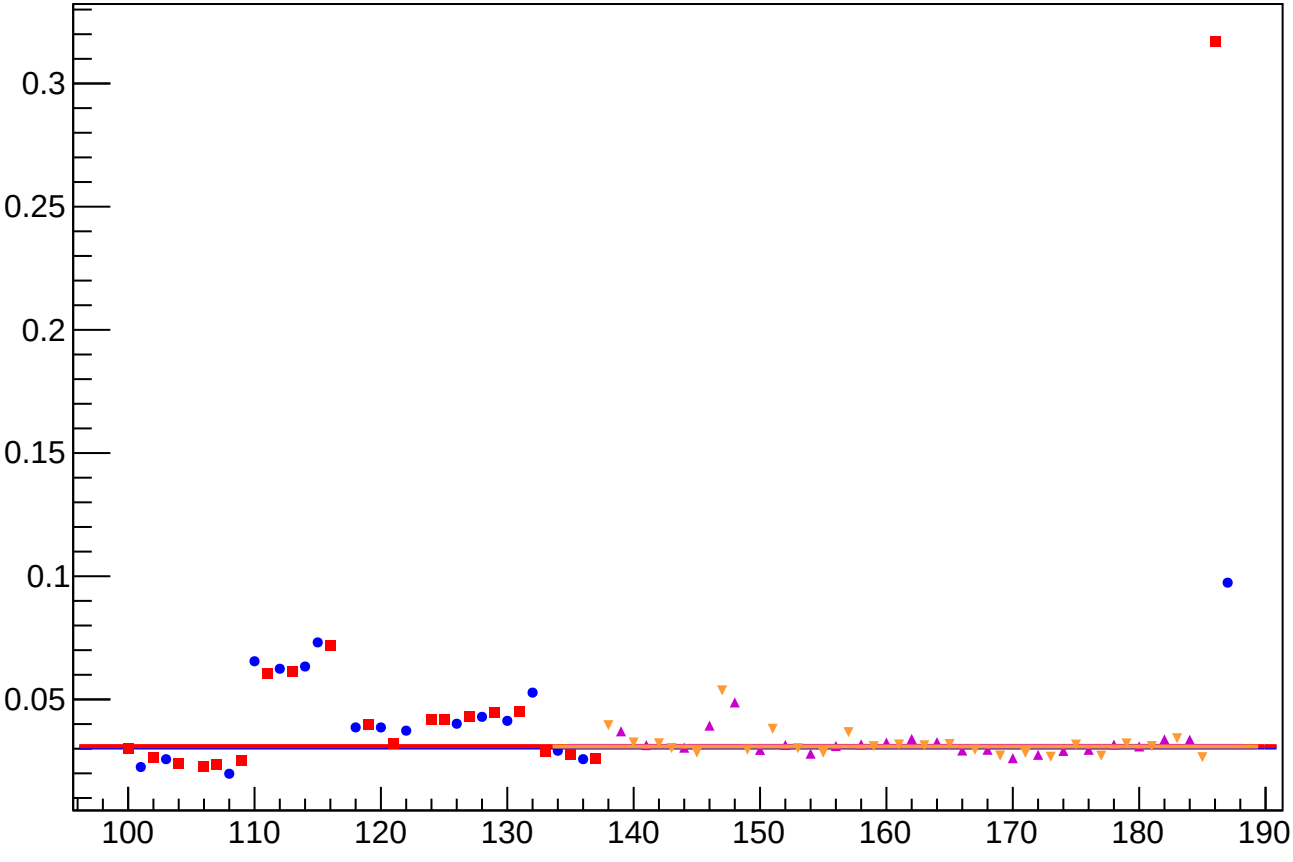
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.478+/-0.000 χ^2/NDF: 34103284968.2/41

All: 18.521+/-0.000 χ^2/NDF: 70341640731.1

- sign 18.567+/-0.000 χ^2/NDF: 36138977447.2/42

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 1616962.8/16

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.031+/-0.000 χ^2/NDF: 1828585.4/19

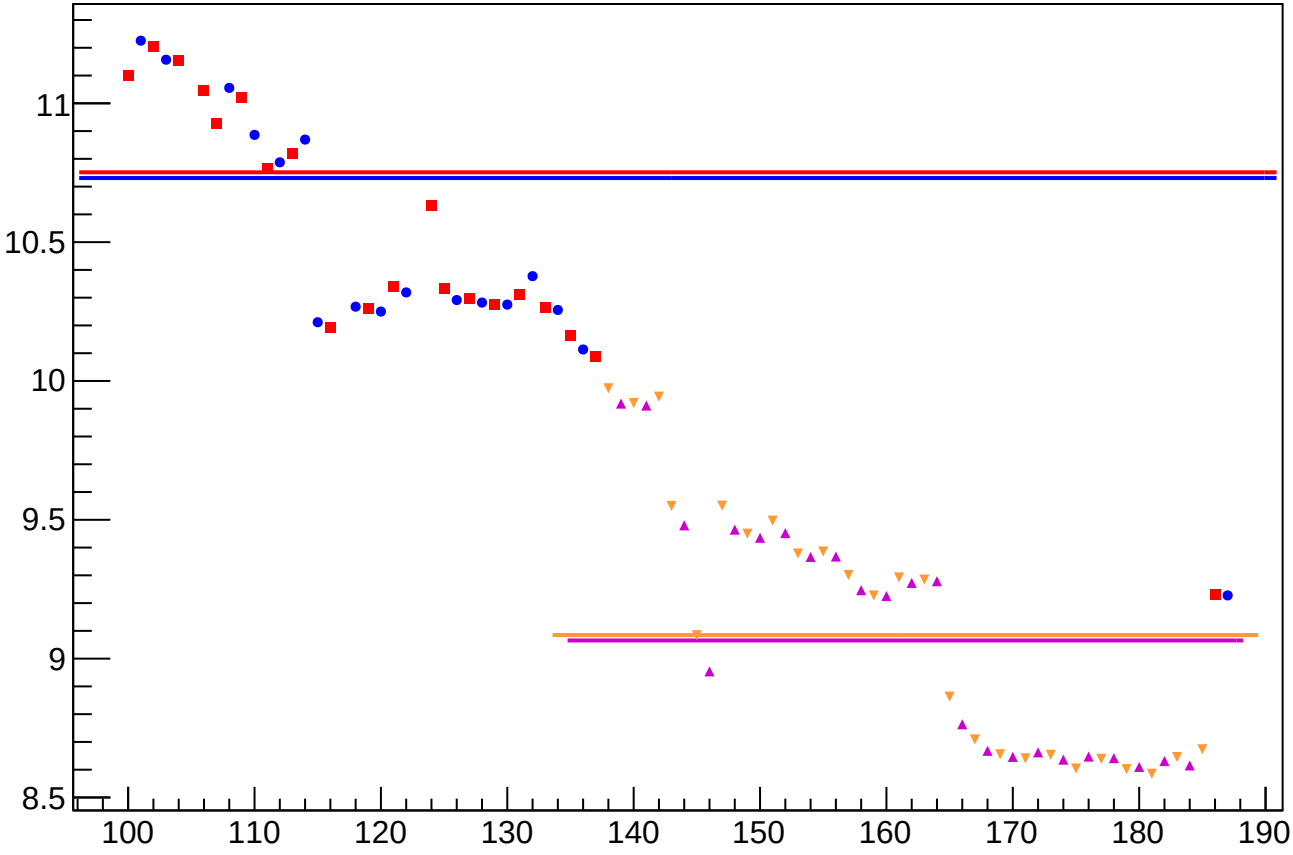
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.031+/-0.000 χ^2/NDF: 2252084.0/41

All: 0.031+/-0.000 χ^2/NDF: 4566338.7/84

- sign 0.031+/-0.000 χ^2/NDF: 2311571.0/42

yield_sam6_mean vs Slug



Right In: 10.731+/-0.000 χ^2/NDF: 6027075801.7/16

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.752+/-0.000 χ^2/NDF: 4394832119.2/19

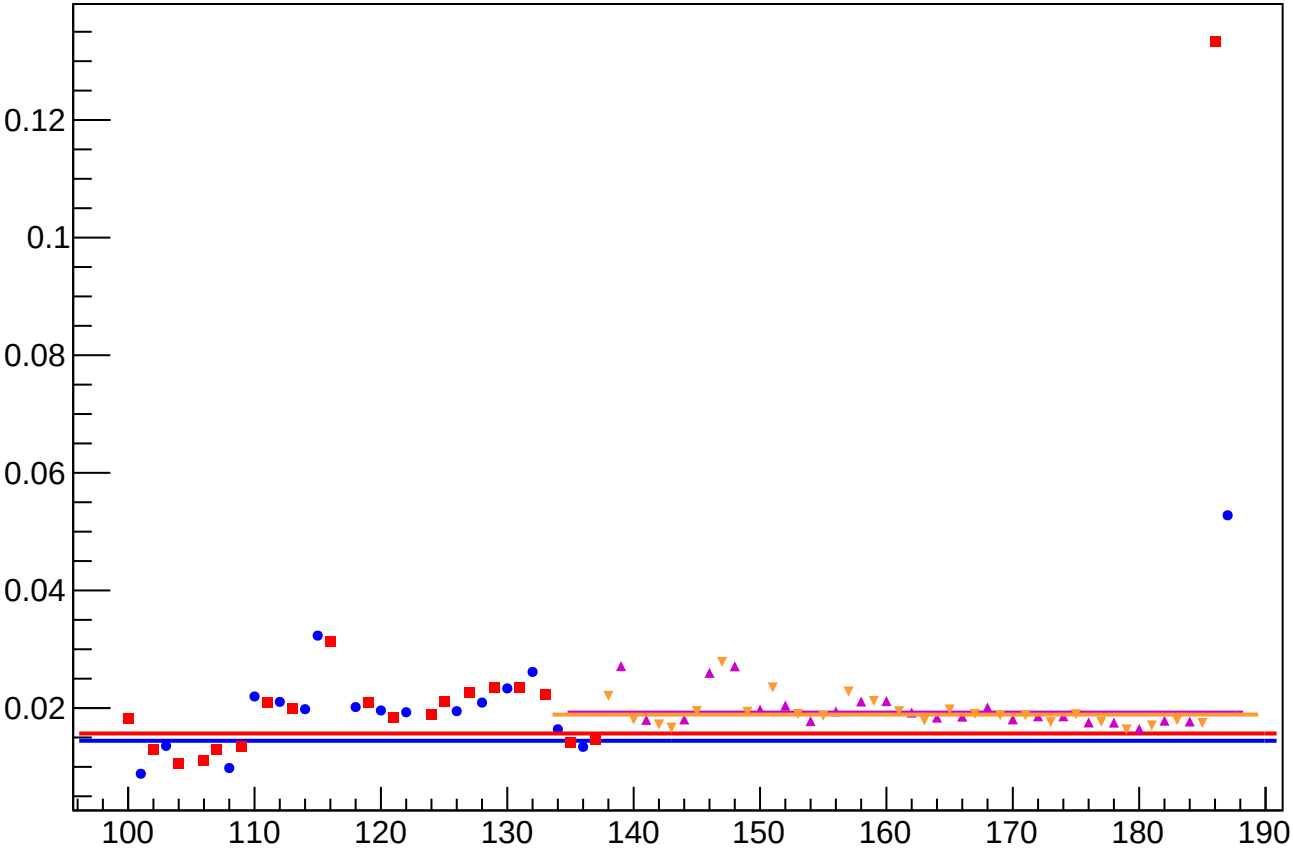
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.677+/-0.000 χ^2/NDF: 64248881305.4/41

All: 9.677+/-0.000 χ^2/NDF: 122940081368.6

- sign 9.678+/-0.000 χ^2/NDF: 58691175848.0/42

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1673896.6/16

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1677656.8/19

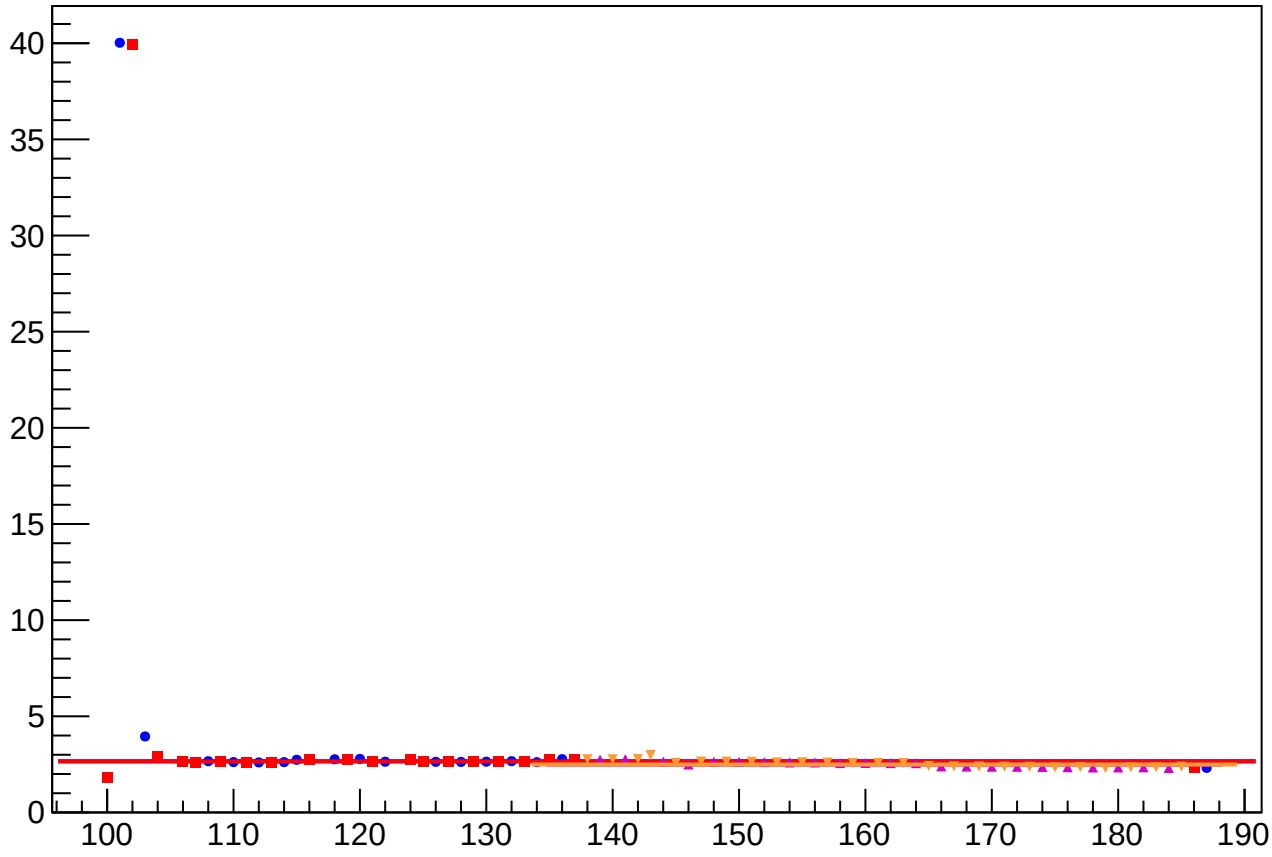
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.017+/-0.000 χ^2/NDF: 2818700.9/41

All: 0.018+/-0.000 χ^2/NDF: 5478927.0/84

- sign 0.018+/-0.000 χ^2/NDF: 2629315.4/42

yield_sam7_mean vs Slug



Right In: 2.662+/-0.000 χ^2/NDF: 68576107236.0/16

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.653+/-0.000 χ^2/NDF: 66764580057.7/19

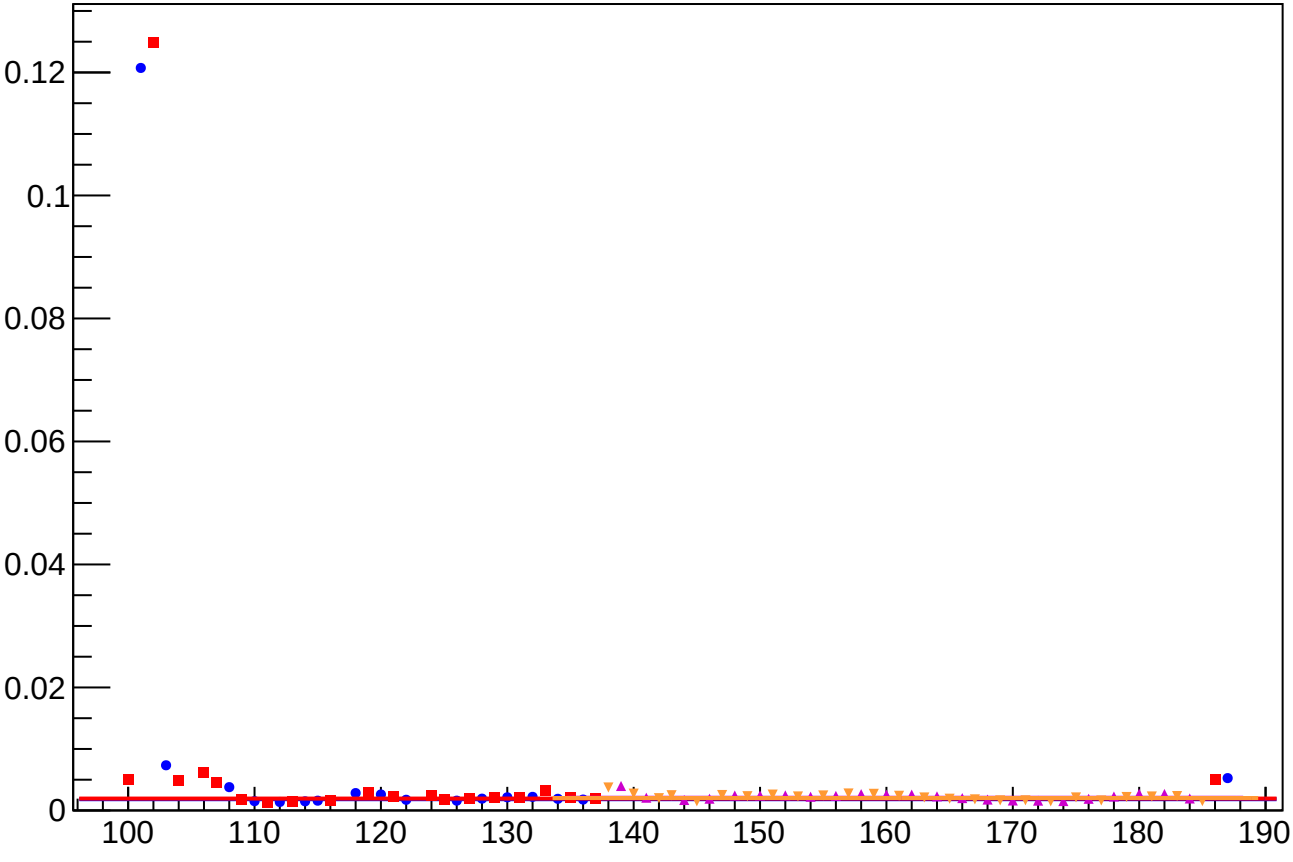
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.539+/-0.000 χ^2/NDF: 191552550707.3/41

All: 2.538+/-0.000 χ^2/NDF: 346635151457.2

- sign 2.537+/-0.000 χ^2/NDF: 155070621687.7/42

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1969174.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2813103.4/19

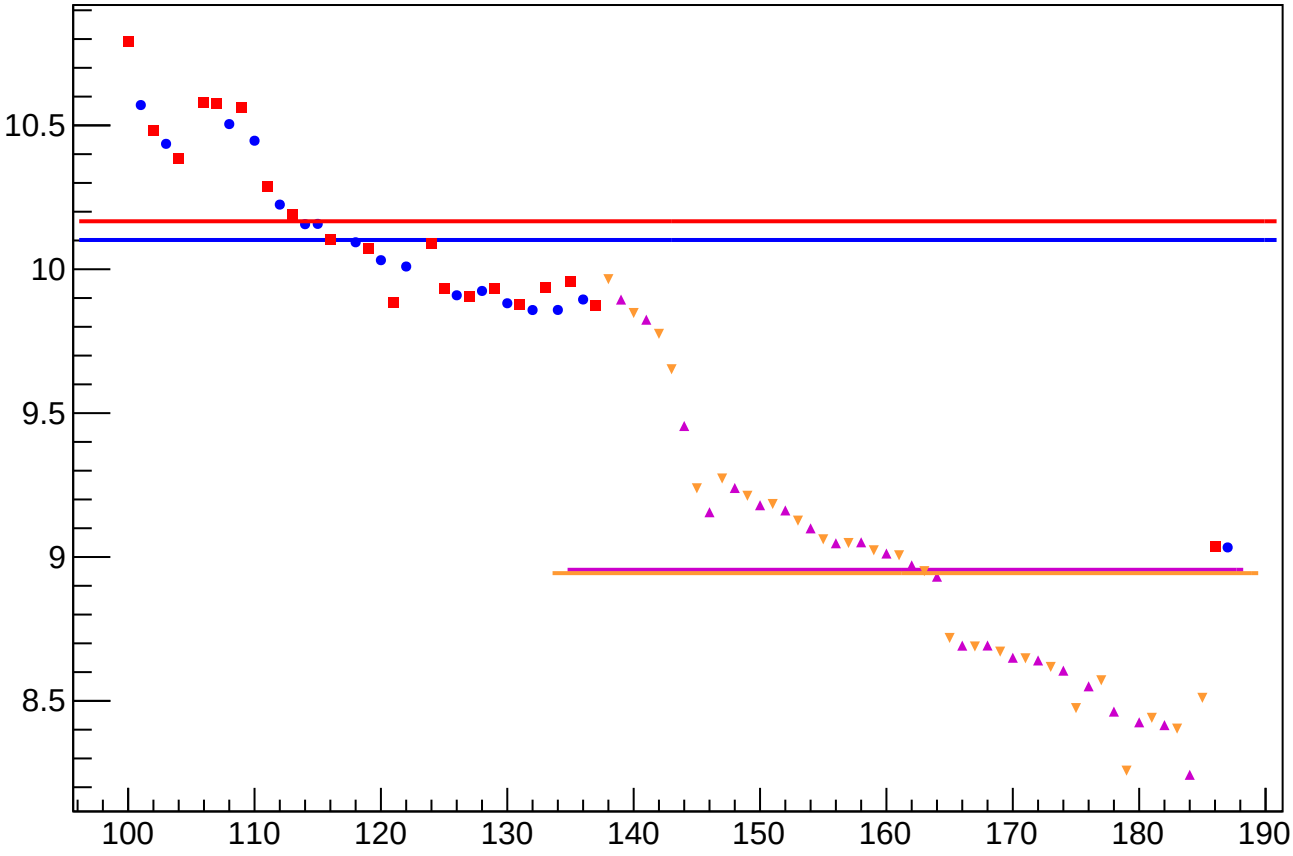
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 3605609.1/41

All: 0.002+/-0.000 χ^2/NDF: 7873025.1/84

- sign 0.002+/-0.000 χ^2/NDF: 4251196.7/42

yield_sam8_mean vs Slug



Right In: 10.102+/-0.000 χ^2/NDF: 9959575407.8/16

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.167+/-0.000 χ^2/NDF: 9810689474.4/19

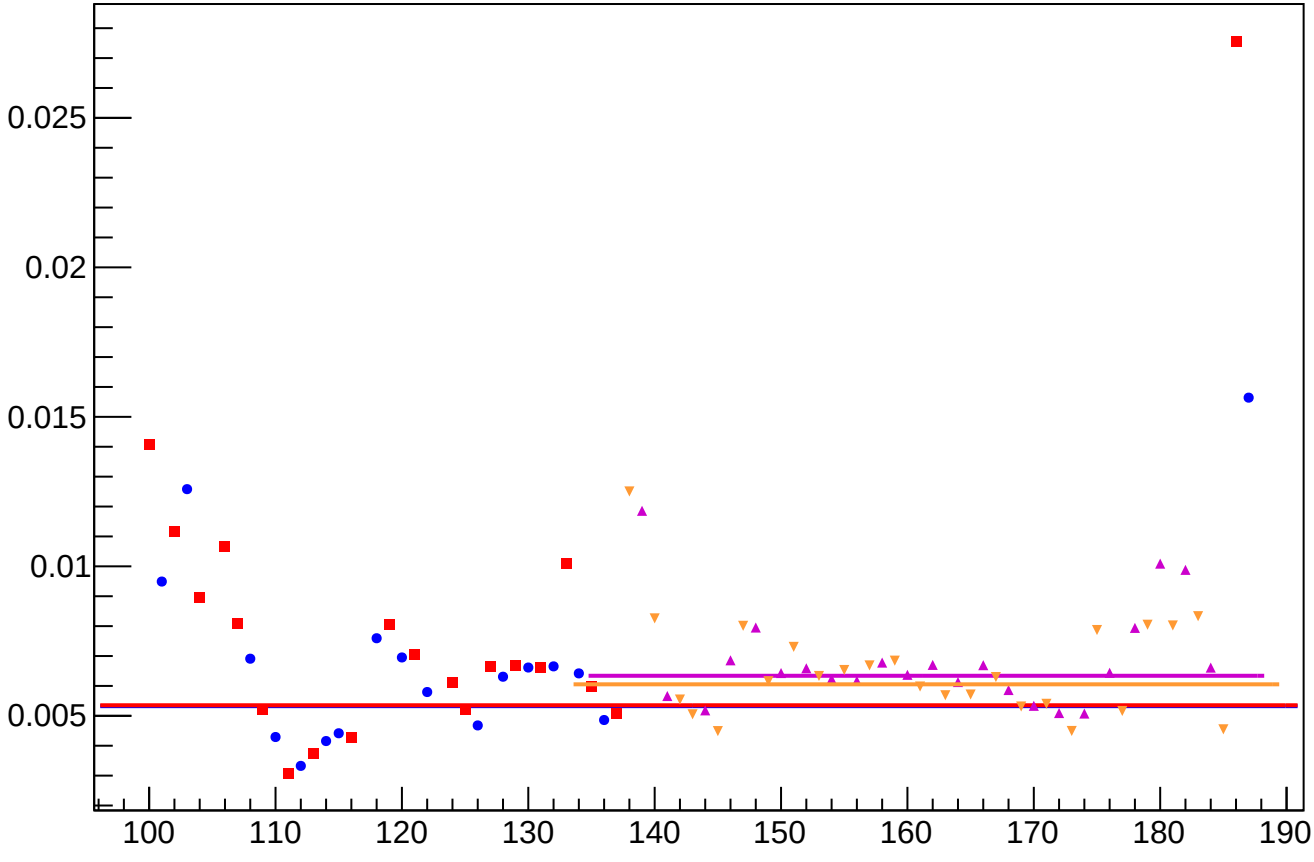
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.312+/-0.000 χ^2/NDF: 253361814291.4/41

All: 9.346+/-0.000 χ^2/NDF: 503618771846.7

- sign 9.383+/-0.000 χ^2/NDF: 248793236361.8/42

yield_sam8_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1429534.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2313188.7/19

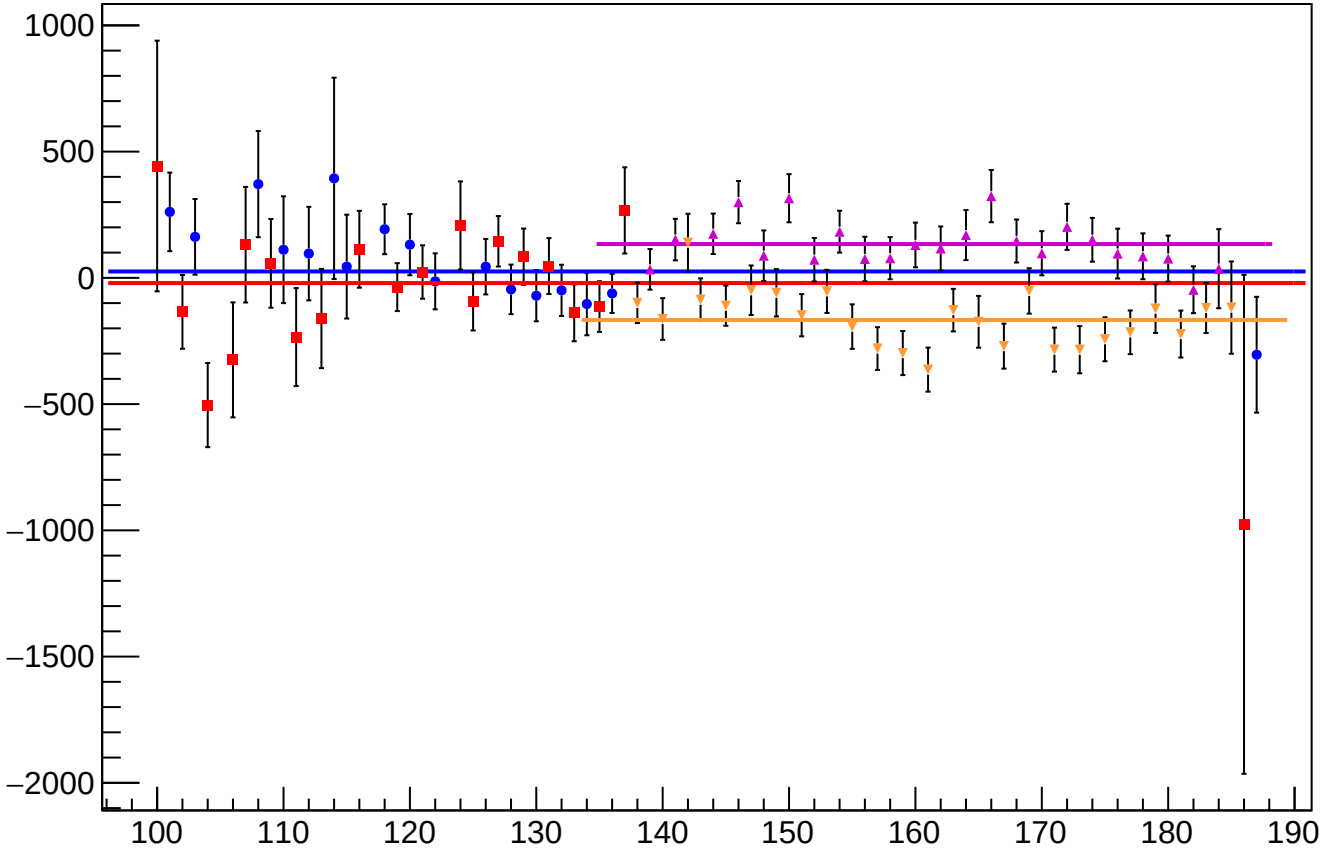
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 3031845.0/41

All: 0.006+/-0.000 χ^2/NDF: 6785669.0/84

- sign 0.006+/-0.000 χ^2/NDF: 3736903.0/42

reg_asym_sam1_mean vs Slug



Right In: 25.306+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -20.517+/-31.043 χ^2/NDF: 26.8/19

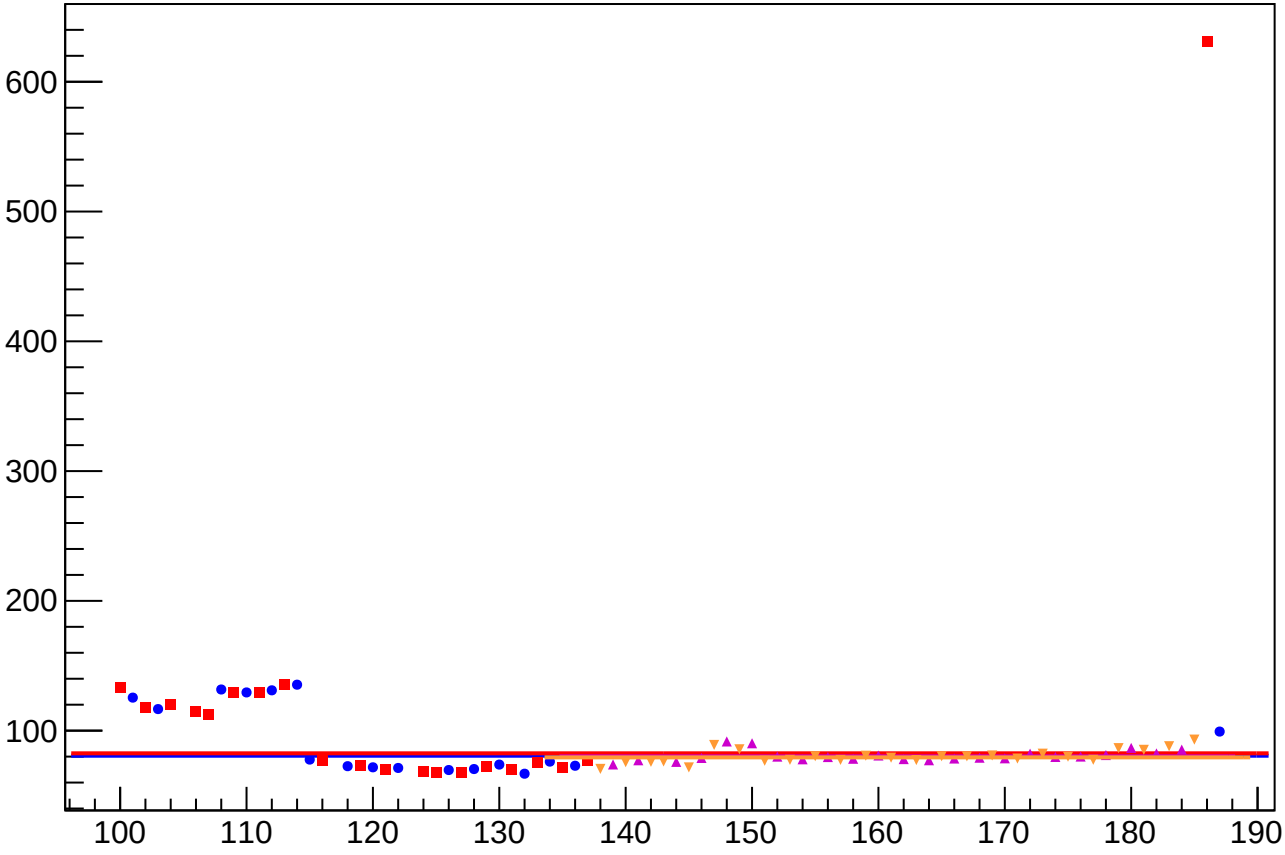
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -116.791+/-15.554 χ^2/NDF: 78.1/41

All: -15.422+/-11.171 χ^2/NDF: 231.6/84

- sign 92.564+/-16.053 χ^2/NDF: 65.7/42

reg_asym_sam1_rms vs Slug



Right In: 80.689+/-0.022 χ^2/NDF: 853442.1/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 82.535+/-0.022 χ^2/NDF: 1548961.2/19

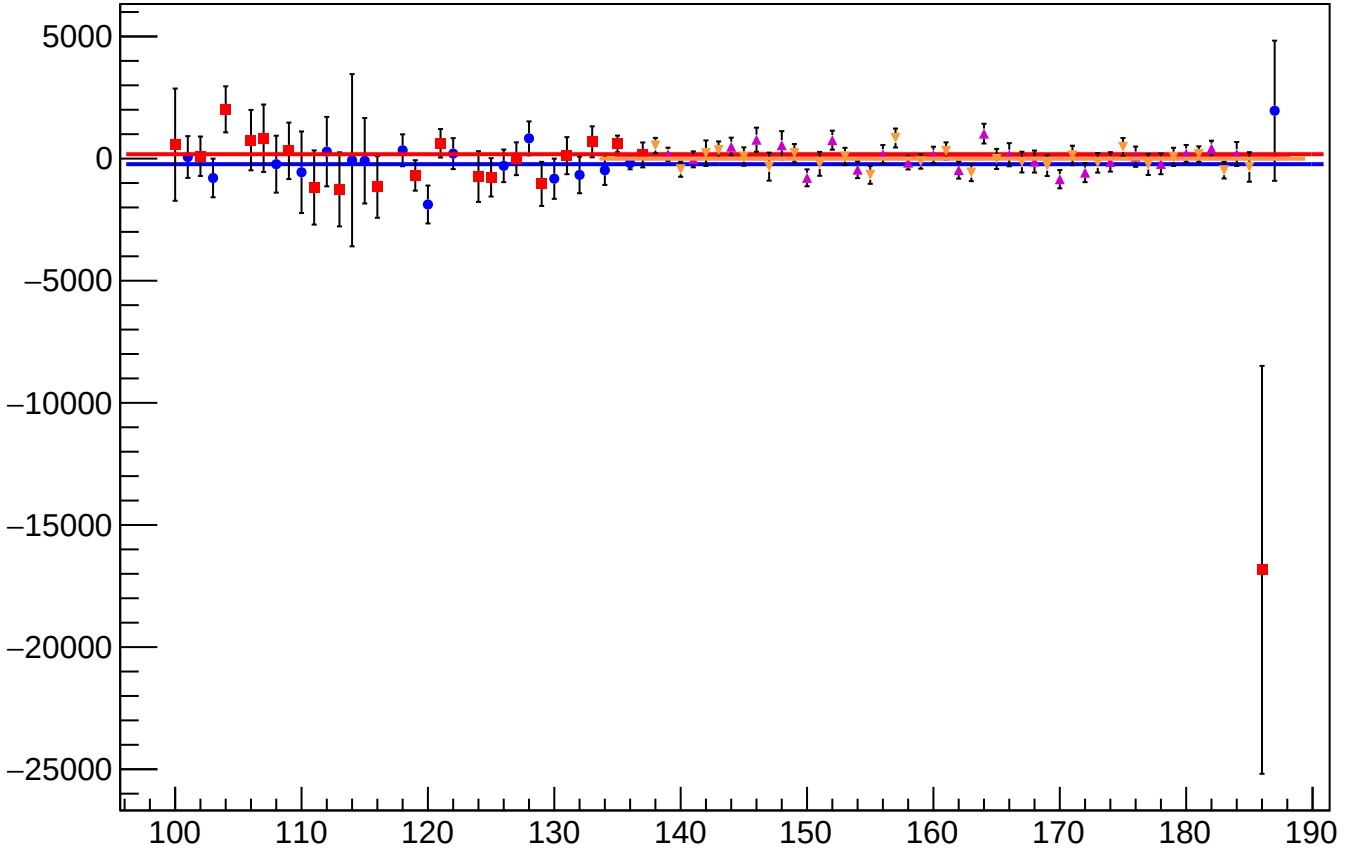
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.743+/-0.011 χ^2/NDF: 990838.9/41

All: 80.252+/-0.008 χ^2/NDF: 2644276.4/84

- sign 80.795+/-0.011 χ^2/NDF: 1649003.6/42

asym_sam1_reg_correction_mean vs Slug



Right In: -228.391+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

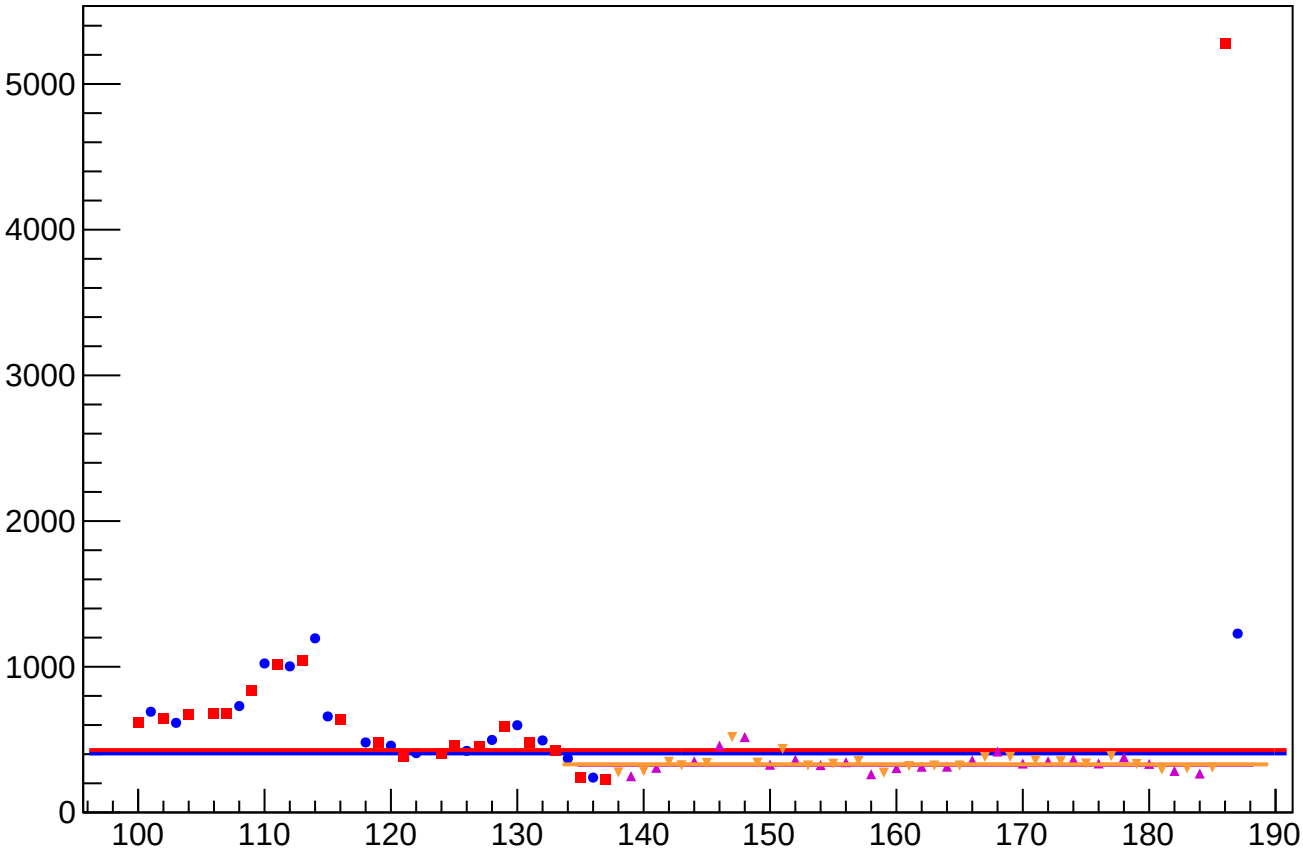
Right Out: 179.532+/-170.359 χ^2/NDF: 20.1/19

Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -43.319+/-68.816 χ^2/NDF: 36.1/41

All: 0.603+/-49.270 χ^2/NDF: 92.8/84

- sign 46.797+/-70.574 χ^2/NDF: 55.9/42



Right In: 405.337+/-0.116 χ^2/NDF: 2524944.9/16

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 427.999+/-0.120 χ^2/NDF: 3043461.0/19

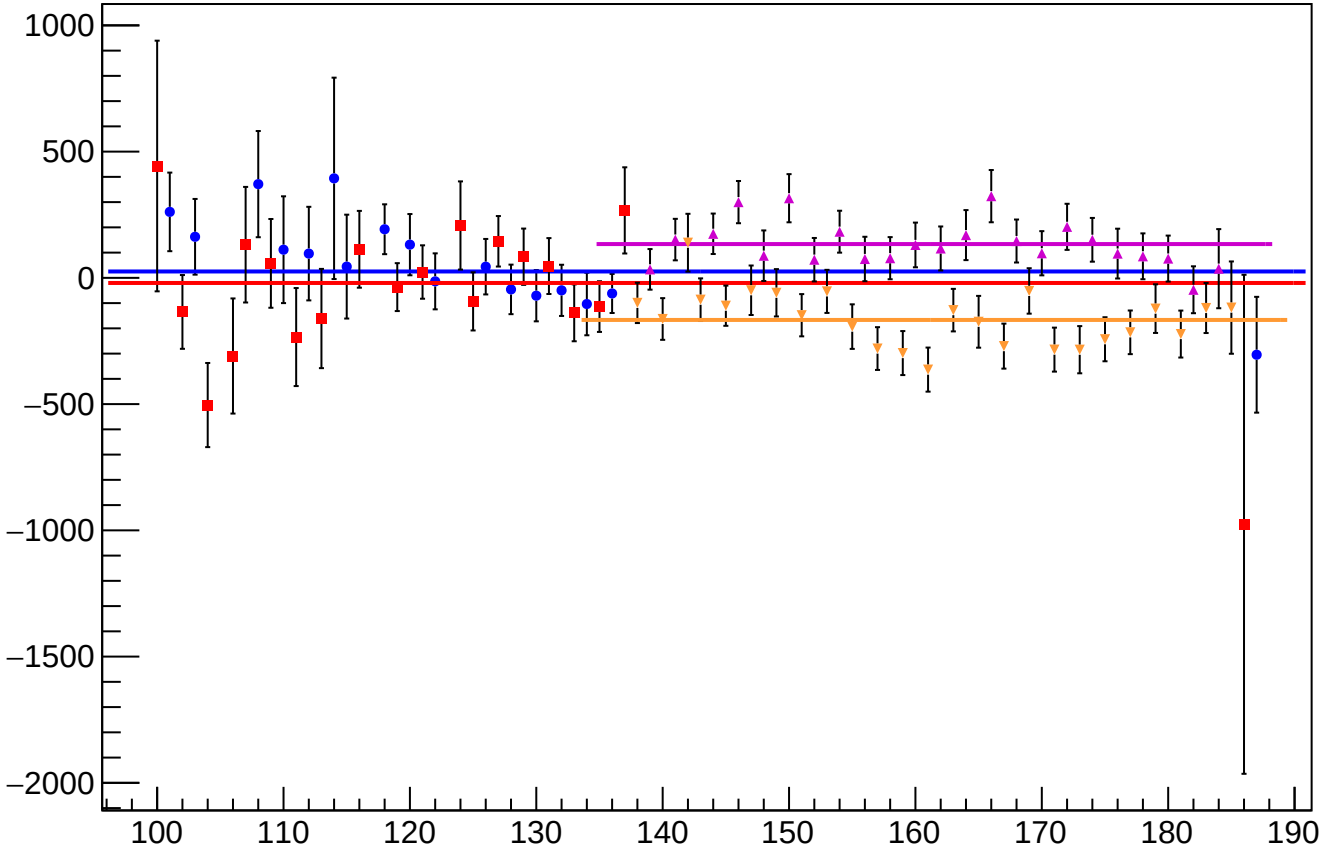
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 343.320+/-0.049 χ^2/NDF: 3533900.3/41

All: 343.799+/-0.035 χ^2/NDF: 8059635.9/84

- sign 344.303+/-0.050 χ^2/NDF: 4525536.7/42

cor_asym_sam1_mean vs Slug



Right In: 25.316+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -20.226+/-31.044 χ^2/NDF: 26.7/19

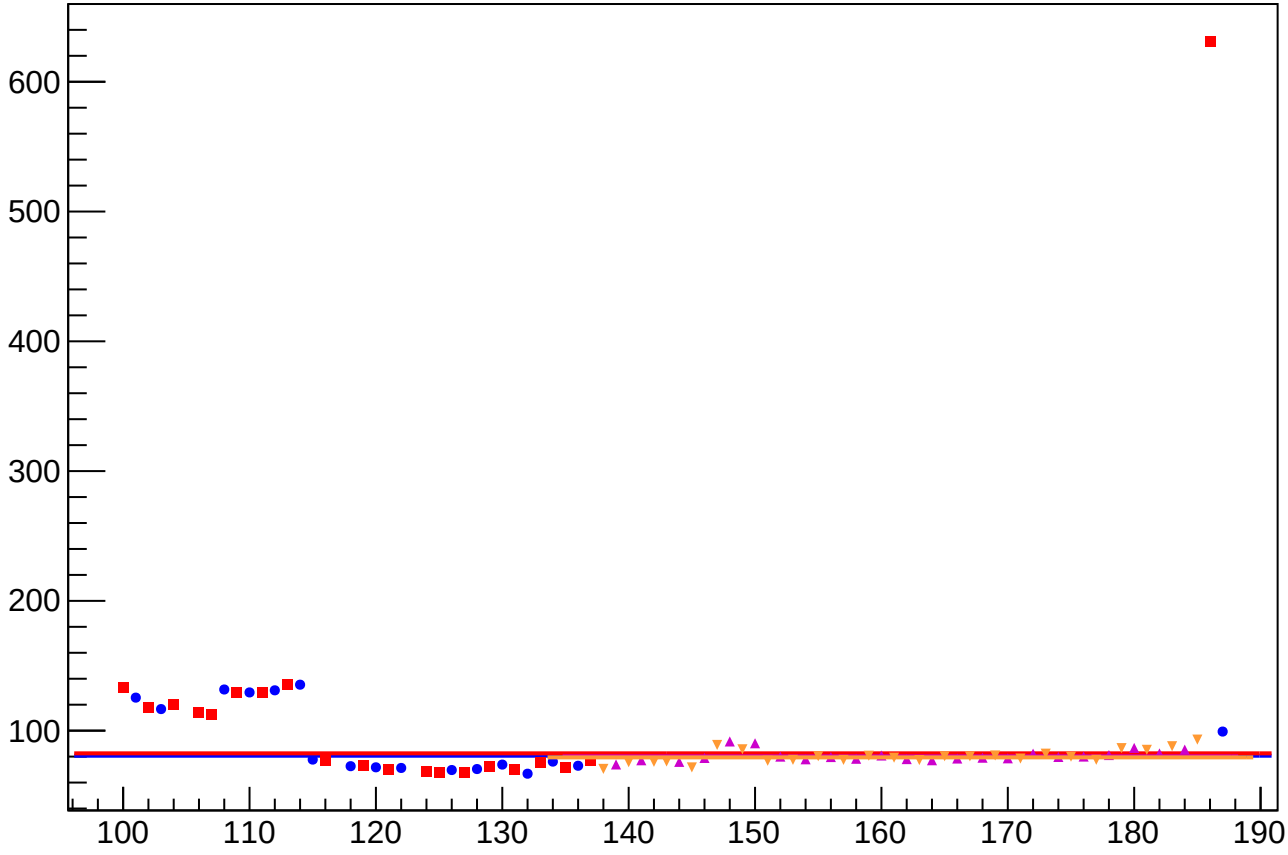
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -116.787+/-15.554 χ^2/NDF: 78.1/41

All: -15.380+/-11.171 χ^2/NDF: 231.4/84

- sign 92.649+/-16.053 χ^2/NDF: 65.4/42

cor_asym_sam1_rms vs Slug



Right In: 80.689+/-0.022 χ^2/NDF: 853442.2/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 82.520+/-0.022 χ^2/NDF: 1547123.7/19

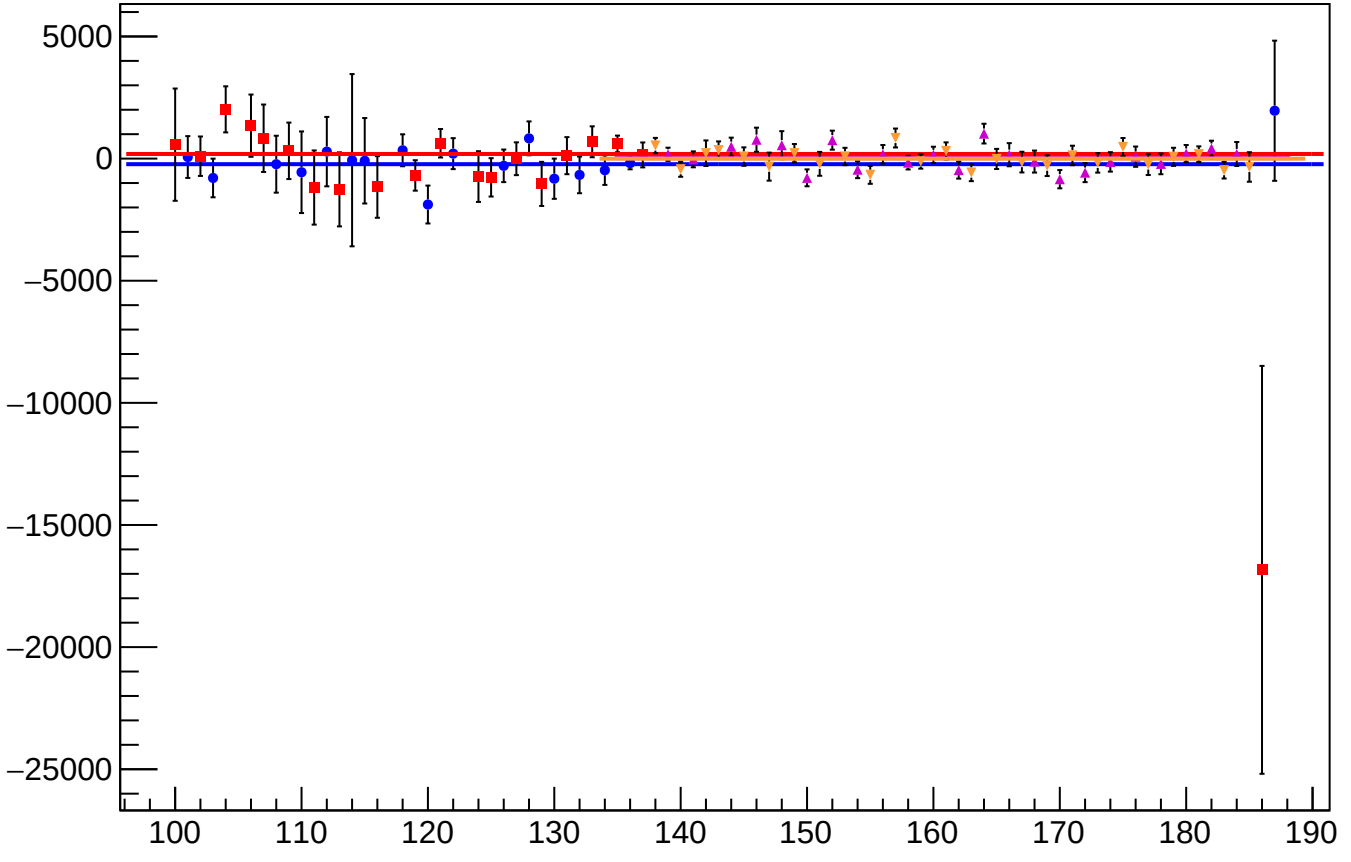
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.743+/-0.011 χ^2/NDF: 990839.1/41

All: 80.250+/-0.008 χ^2/NDF: 2642296.9/84

- sign 80.791+/-0.011 χ^2/NDF: 1647057.8/42

asym_sam1_cor_correction_mean vs Slug



Right In: -228.389+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 189.480+/-170.457 χ^2/NDF: 20.7/19

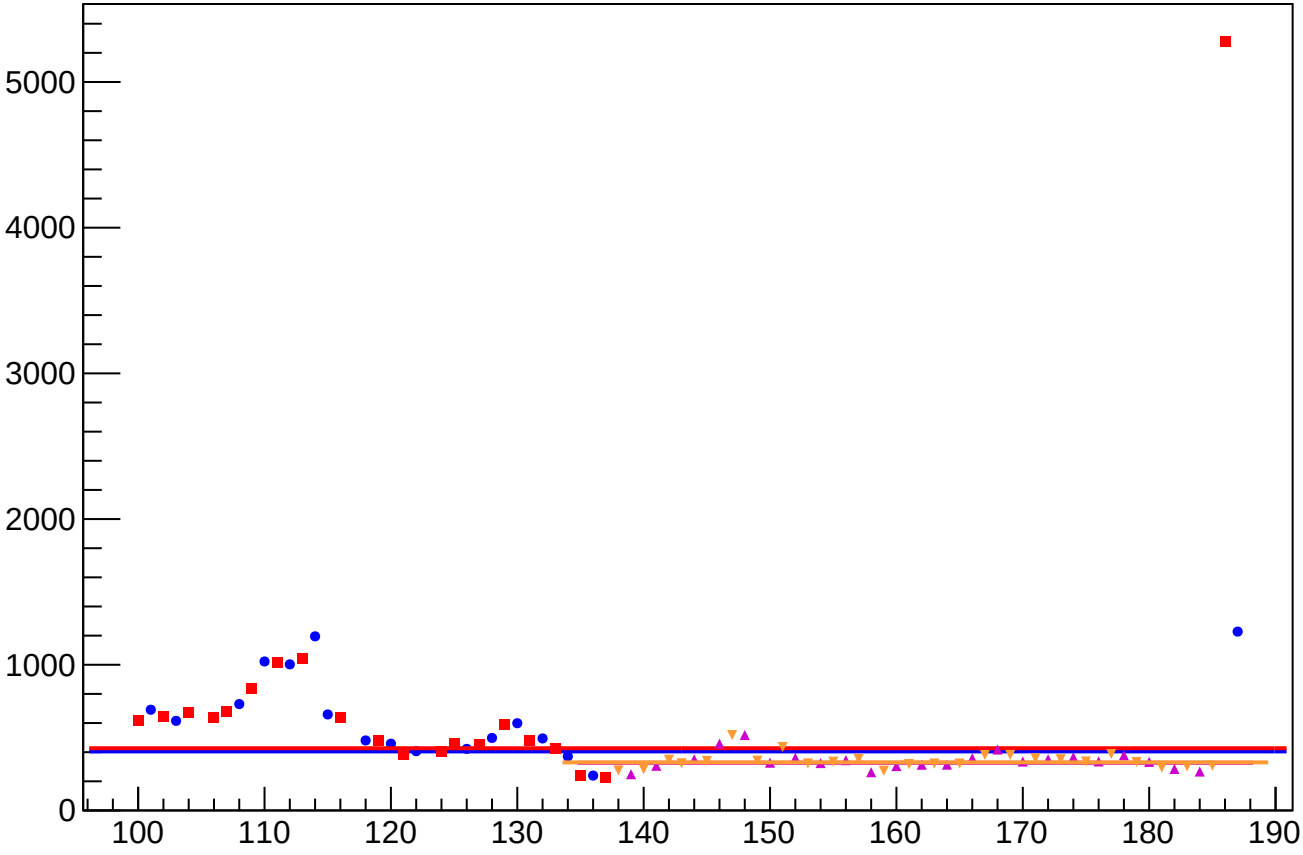
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -43.318+/-68.816 χ^2/NDF: 36.1/41

All: 1.420+/-49.272 χ^2/NDF: 93.6/84

- sign 48.482+/-70.581 χ^2/NDF: 56.6/42

asym_sam1_cor_correction_rms vs Slug



Right In: 405.338+/-0.116 χ^2/NDF: 2524939.7/16

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.010+/-0.121 χ^2/NDF: 3015971.4/19

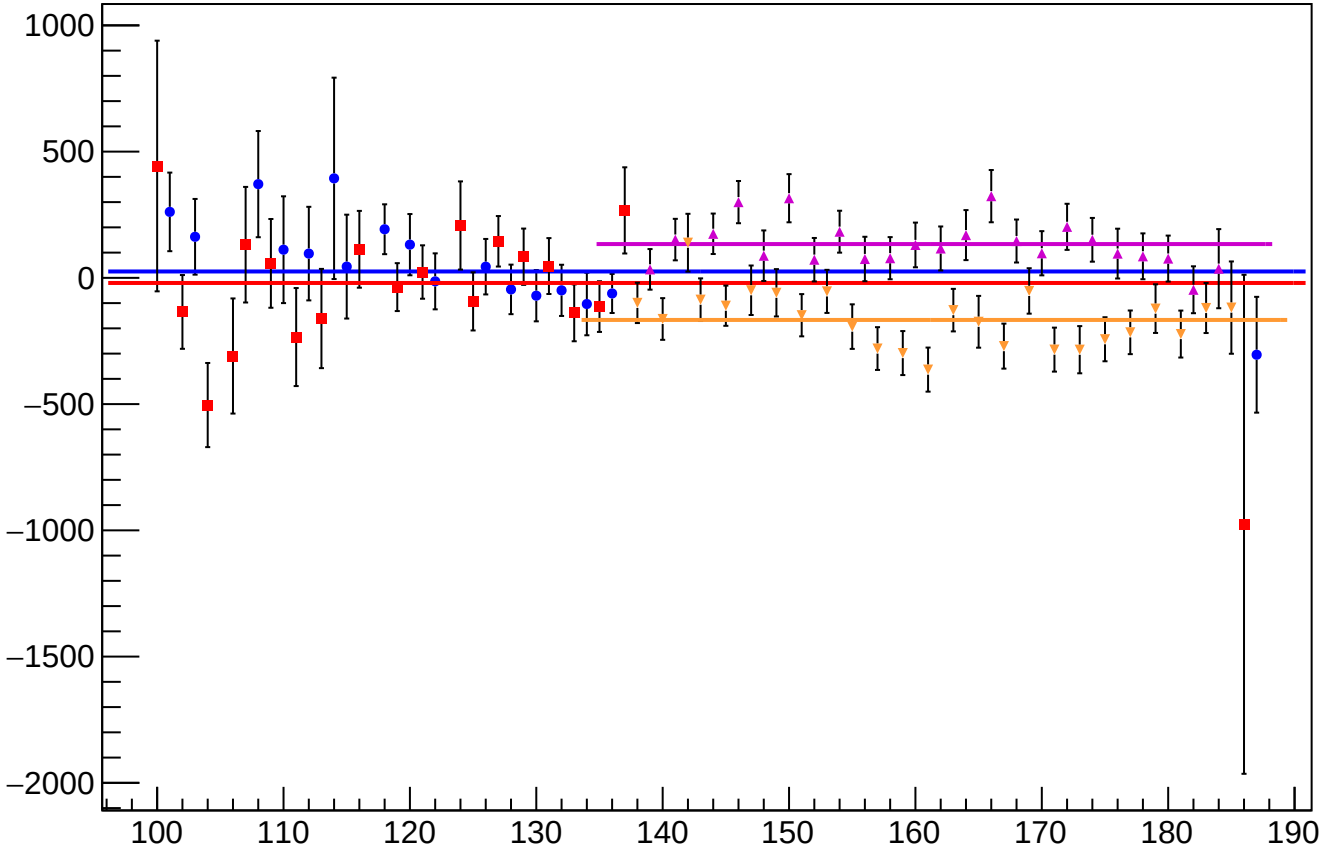
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

\+ sign 343.320+/-0.049 χ^2/NDF: 3533906.6/41

All: 343.708+/-0.035 χ^2/NDF: 8020188.5/84

\- sign 344.117+/-0.050 χ^2/NDF: 4486151.1/42

eigen_cor_asym_sam1_mean vs Slug



Right In: 25.316+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -20.226+/-31.044 χ^2/NDF: 26.7/19

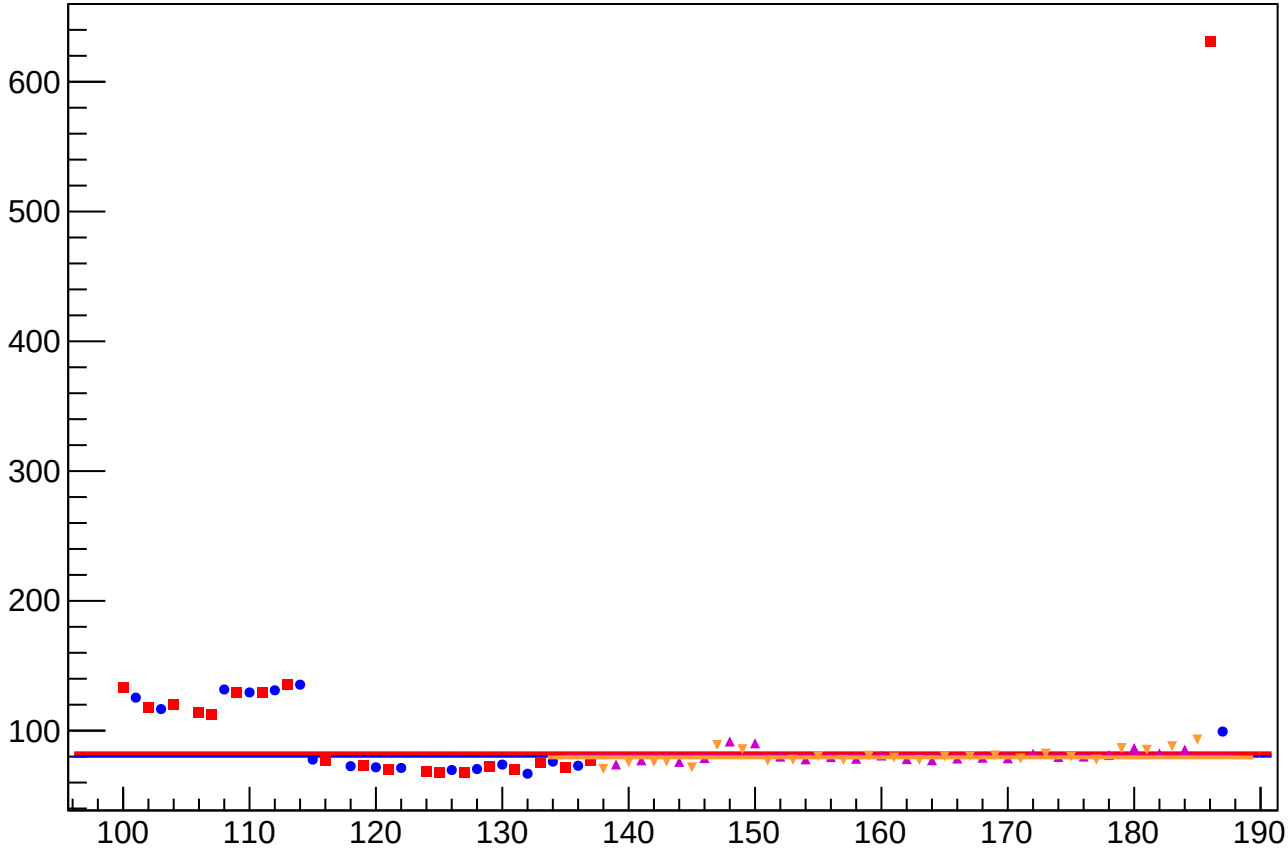
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -116.787+/-15.554 χ^2/NDF: 78.1/41

All: -15.380+/-11.171 χ^2/NDF: 231.4/84

- sign 92.649+/-16.053 χ^2/NDF: 65.4/42

eigen_cor_asym_sam1_rms vs Slug



Right In: 80.689+/-0.022 χ^2/NDF: 853442.2/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 82.520+/-0.022 χ^2/NDF: 1547123.7/19

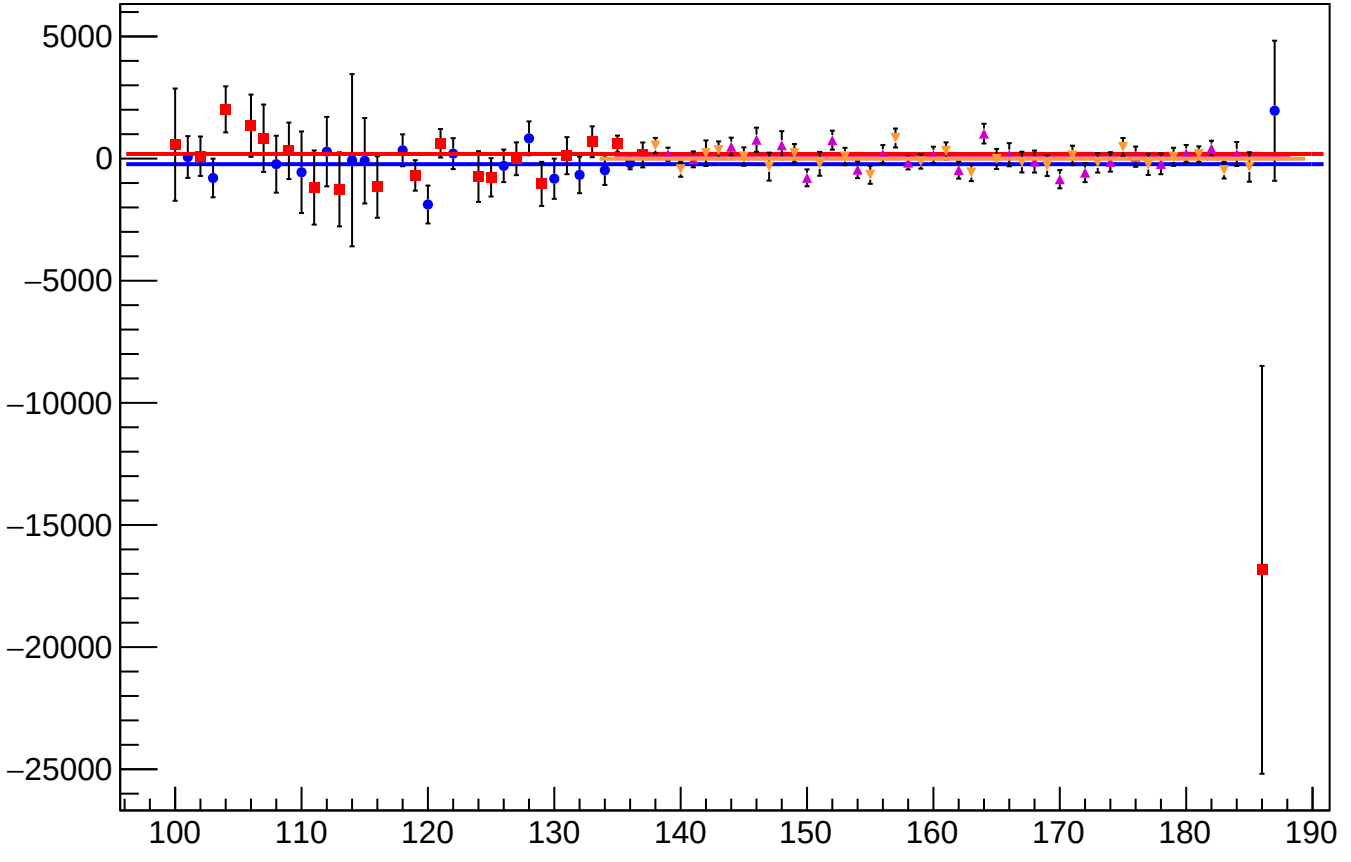
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 79.743+/-0.011 χ^2/NDF: 990839.1/41

All: 80.250+/-0.008 χ^2/NDF: 2642296.9/84

- sign 80.791+/-0.011 χ^2/NDF: 1647057.8/42

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -228.389+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 189.480+/-170.457 χ^2/NDF: 20.7/19

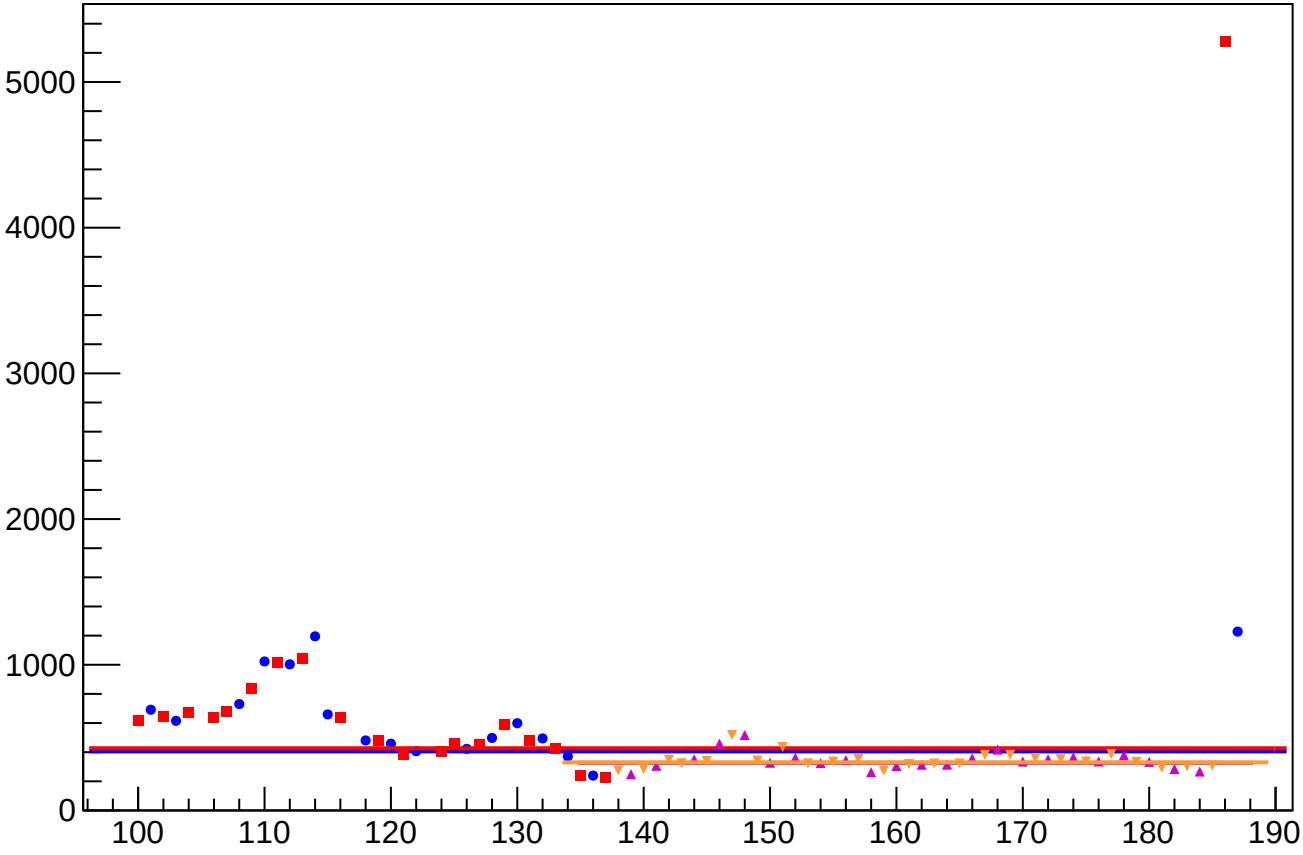
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -43.318+/-68.816 χ^2/NDF: 36.1/41

All: 1.420+/-49.272 χ^2/NDF: 93.6/84

- sign 48.482+/-70.581 χ^2/NDF: 56.6/42

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 405.338+/-0.116 χ^2/NDF: 2524939.7/16

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.010+/-0.121 χ^2/NDF: 3015971.4/19

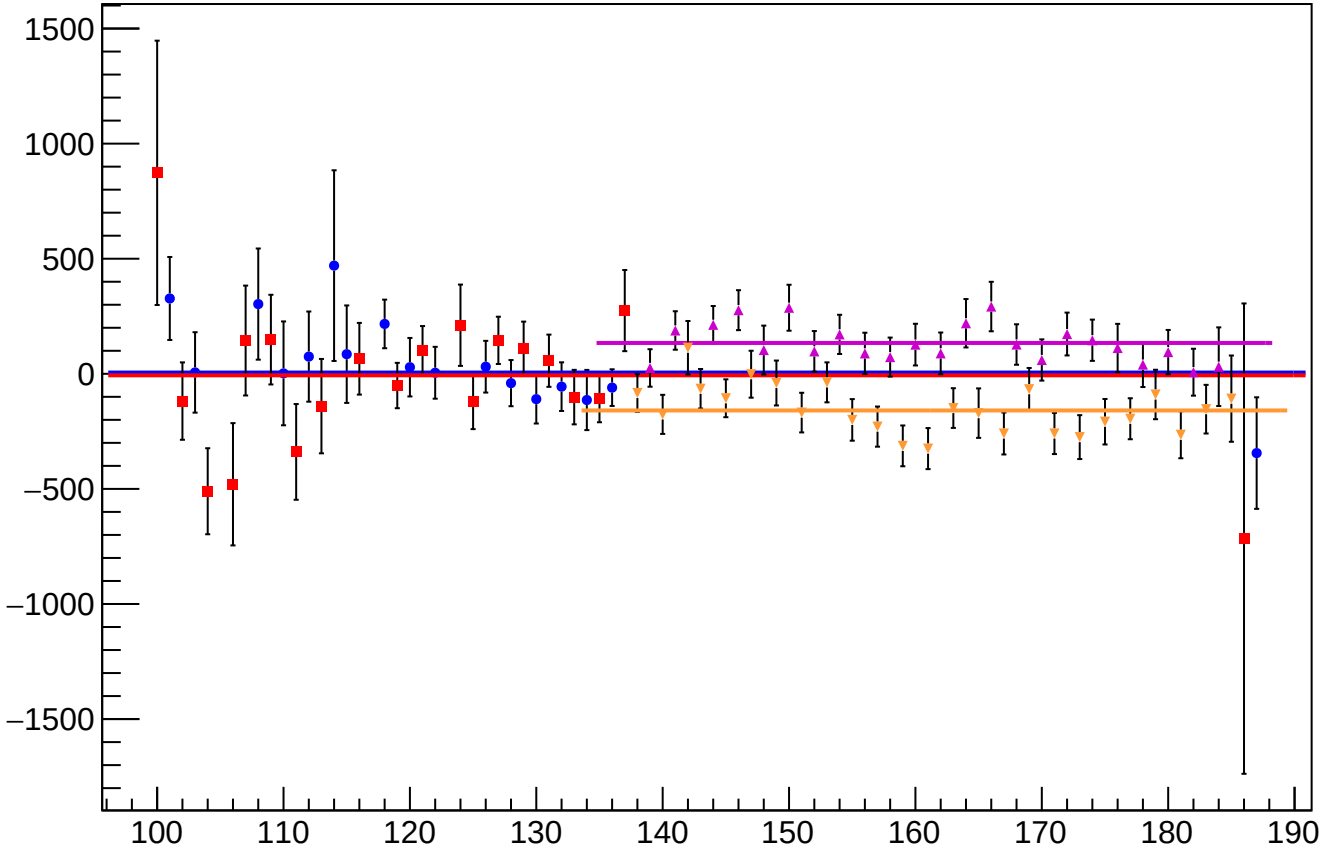
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 343.320+/-0.049 χ^2/NDF: 3533906.6/41

All: 343.708+/-0.035 χ^2/NDF: 8020188.5/84

- sign 344.117+/-0.050 χ^2/NDF: 4486151.1/42

dit_asym_sam1_mean vs Slug



Right In: 5.437+/-32.014 χ^2/NDF: 15.6/16

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -6.533+/-32.427 χ^2/NDF: 29.3/19

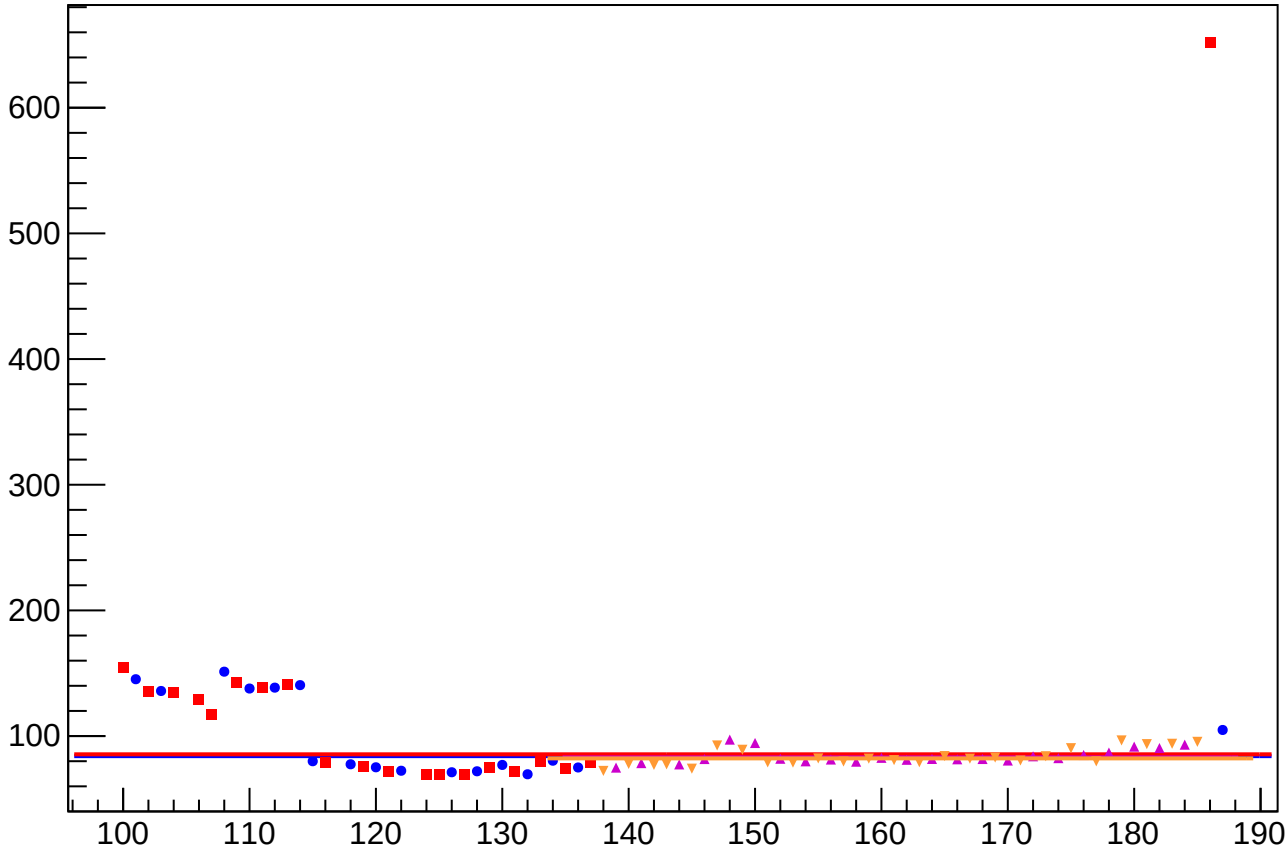
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -117.169+/-16.179 χ^2/NDF: 63.5/41

All: -13.384+/-11.611 χ^2/NDF: 207.9/84

- sign 96.851+/-16.674 χ^2/NDF: 59.5/42

dit_asym_sam1_rms vs Slug



Right In: 84.027+/-0.023 χ^2/NDF: 1049841.0/16

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

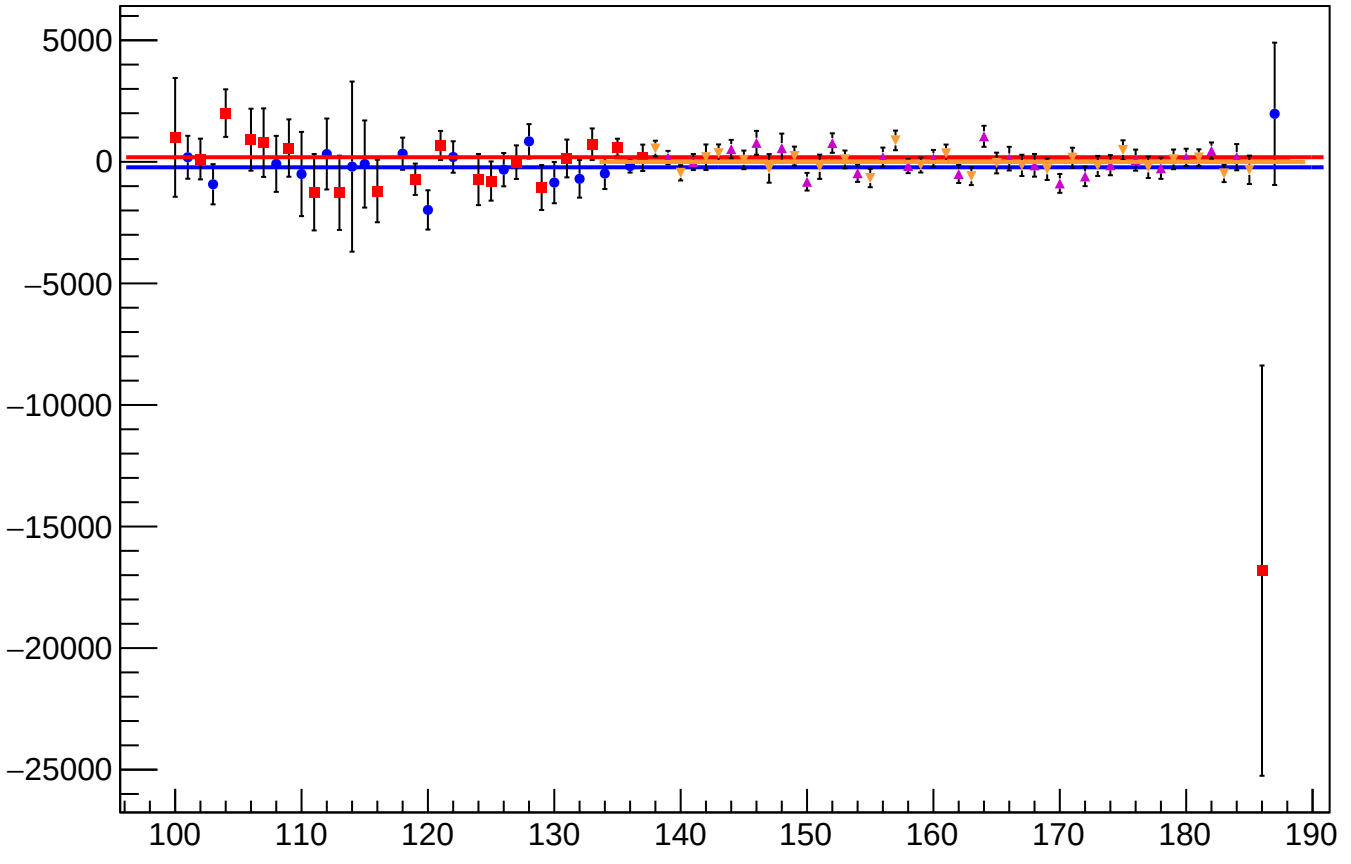
Right Out: 85.484+/-0.023 χ^2/NDF: 1736856.3/19

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 82.702+/-0.011 χ^2/NDF: 1270992.6/41

All: 83.162+/-0.008 χ^2/NDF: 3165482.1/84

- sign 83.652+/-0.012 χ^2/NDF: 1891146.6/42



Right In: -223.972+/-169.846 χ^2/NDF: 11.0/16

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 189.801+/-176.053 χ^2/NDF: 20.0/19

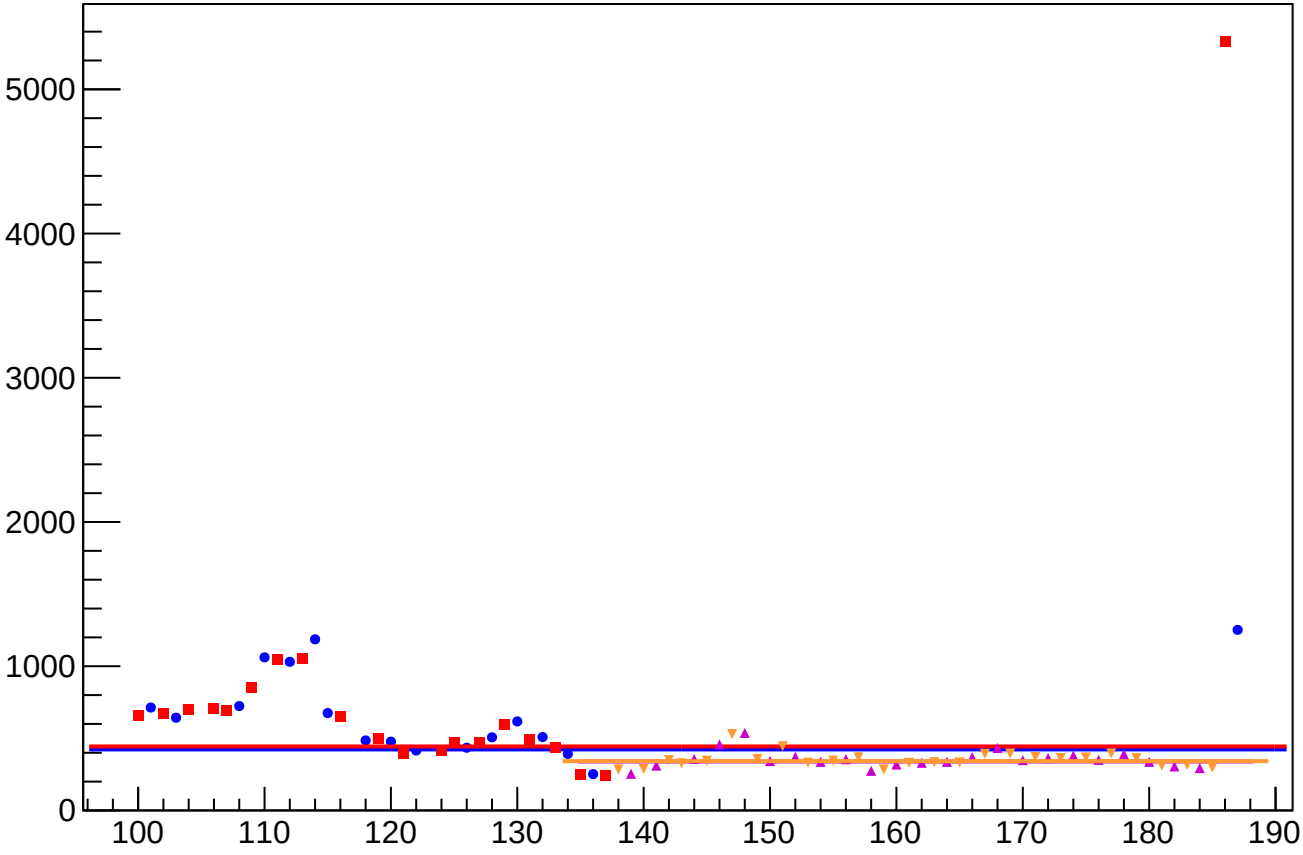
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -42.039+/-71.318 χ^2/NDF: 35.9/41

All: 1.078+/-51.062 χ^2/NDF: 92.3/84

- sign 46.428+/-73.142 χ^2/NDF: 55.7/42

asym_sam1_dit_correction_rms vs Slug



Right In: 423.131+/-0.120 χ^2/NDF: 2415635.6/16

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 443.726+/-0.124 χ^2/NDF: 2978790.7/19

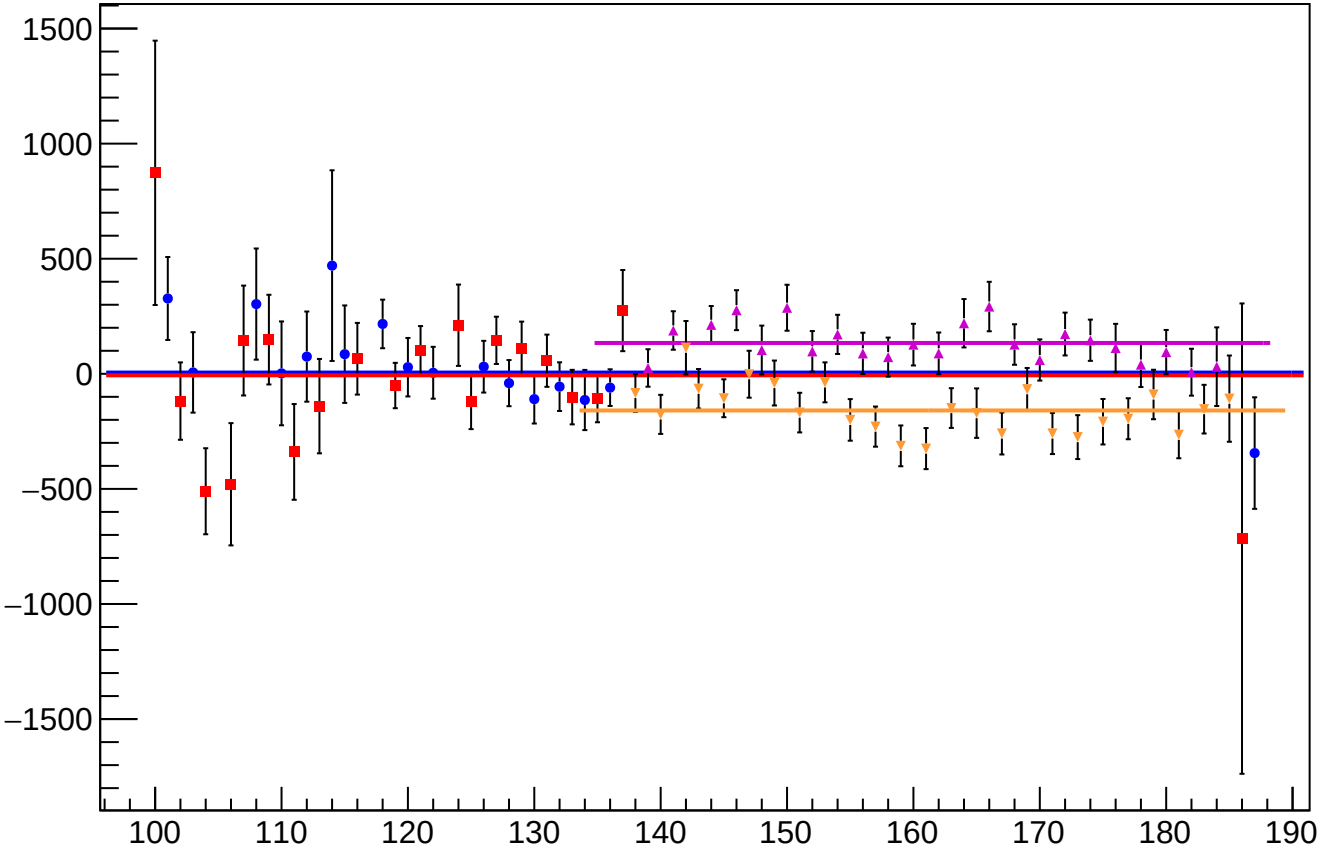
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 356.237+/-0.050 χ^2/NDF: 3446215.6/41

All: 356.819+/-0.036 χ^2/NDF: 7852745.8/84

- sign 357.431+/-0.052 χ^2/NDF: 4406256.8/42

eigen_dit_asym_sam1_mean vs Slug



Right In: 5.438+/-32.014 χ^2/NDF: 15.6/16

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -6.532+/-32.427 χ^2/NDF: 29.3/19

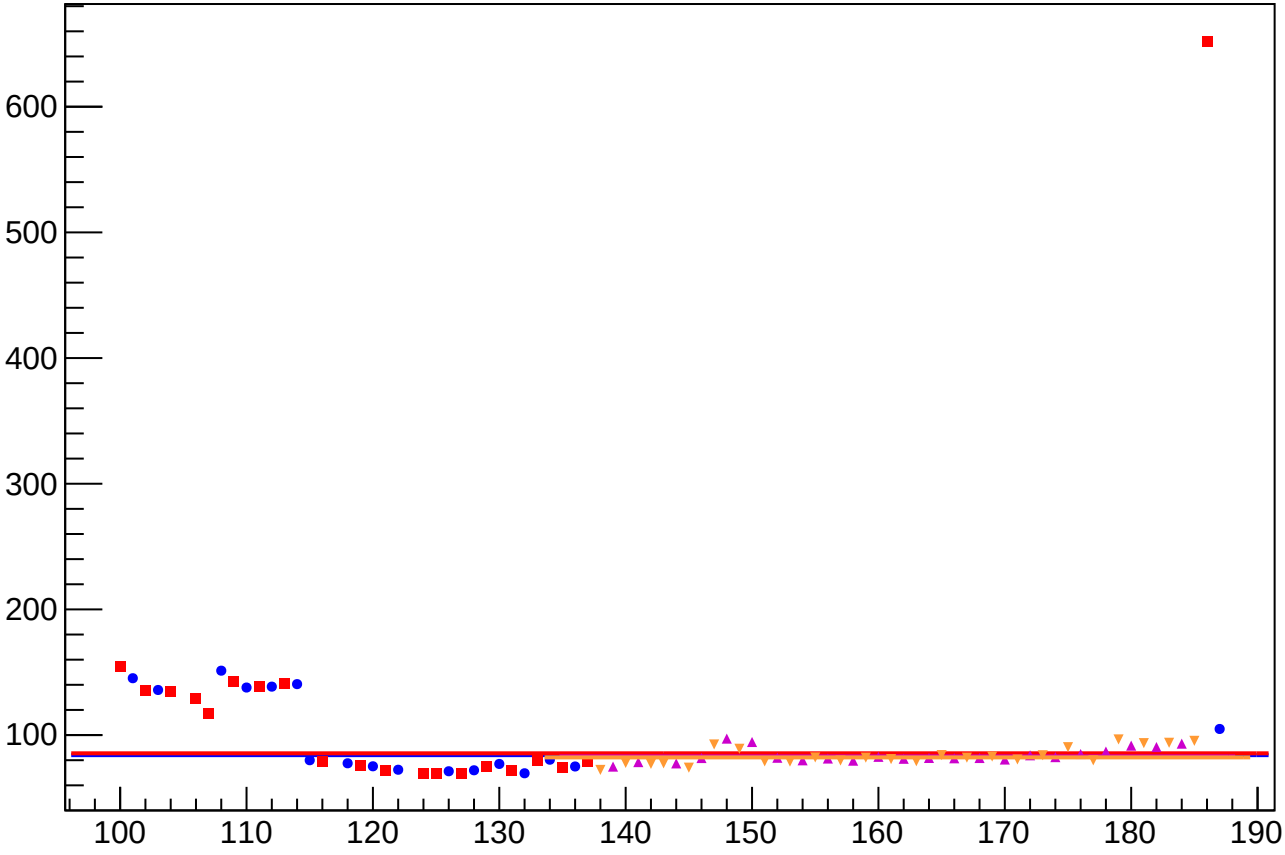
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -117.169+/-16.179 χ^2/NDF: 63.5/41

All: -13.383+/-11.611 χ^2/NDF: 207.9/84

- sign 96.852+/-16.674 χ^2/NDF: 59.5/42

eigen_dit_asym_sam1_rms vs Slug



Right In: 84.027+/-0.023 χ^2/NDF: 1049840.4/16

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 85.484+/-0.023 χ^2/NDF: 1736855.4/19

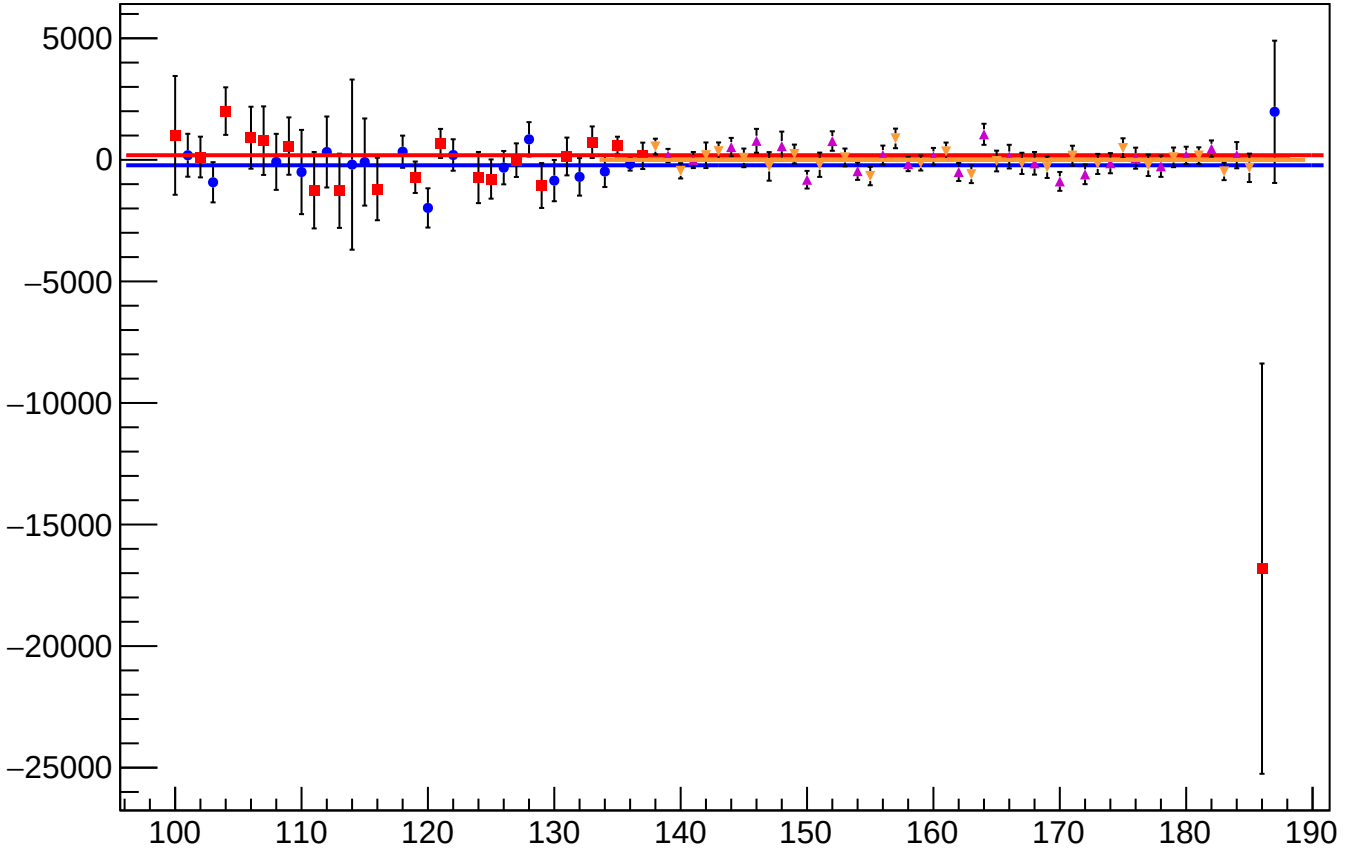
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 82.702+/-0.011 χ^2/NDF: 1270991.9/41

All: 83.162+/-0.008 χ^2/NDF: 3165478.8/84

- sign 83.652+/-0.012 χ^2/NDF: 1891144.0/42

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -223.970+/-169.846 χ^2/NDF: 11.0/16

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 189.801+/-176.052 χ^2/NDF: 20.0/19

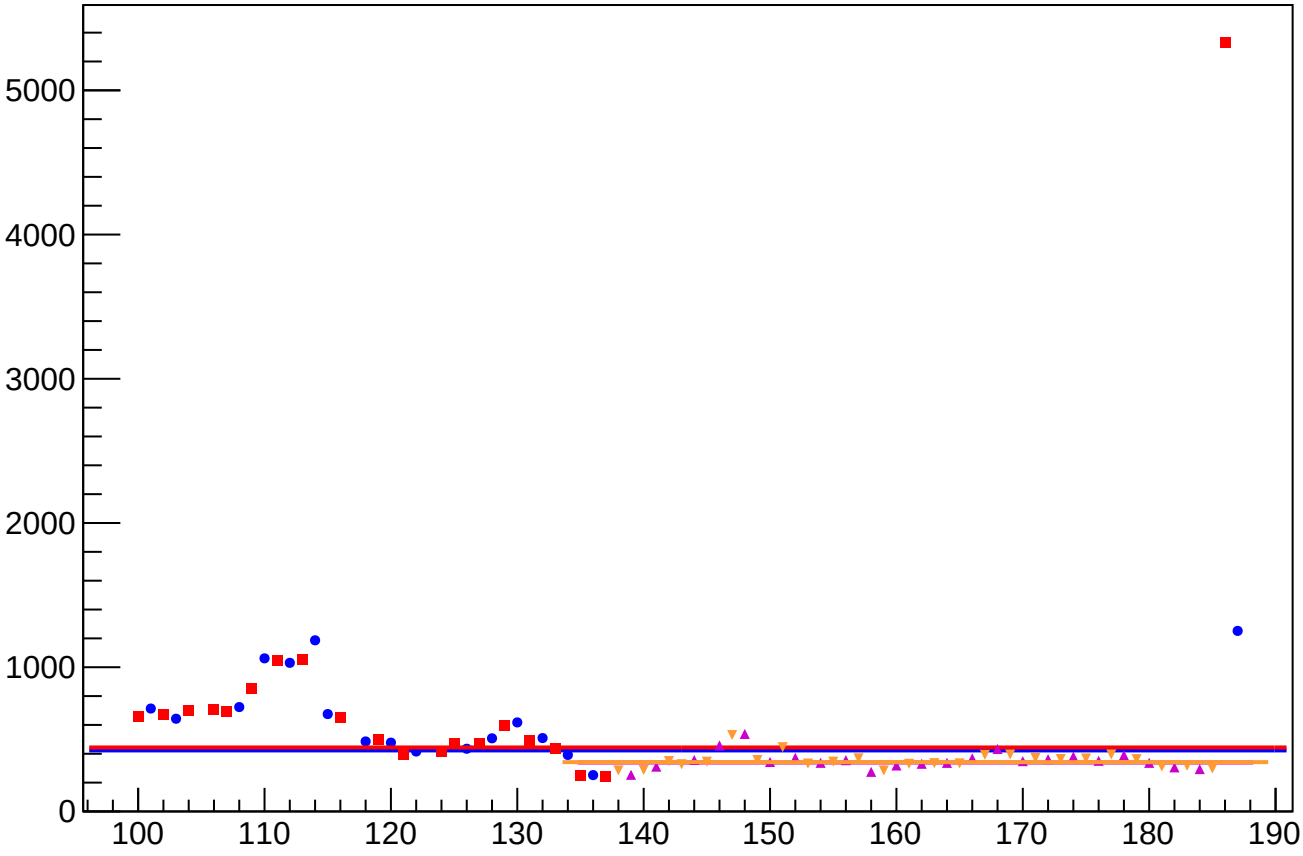
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -42.038+/-71.318 χ^2/NDF: 35.9/41

All: 1.078+/-51.062 χ^2/NDF: 92.3/84

- sign 46.428+/-73.142 χ^2/NDF: 55.7/42

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 423.131+/-0.120 χ^2/NDF: 2415640.6/16

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 443.725+/-0.124 χ^2/NDF: 2978797.5/19

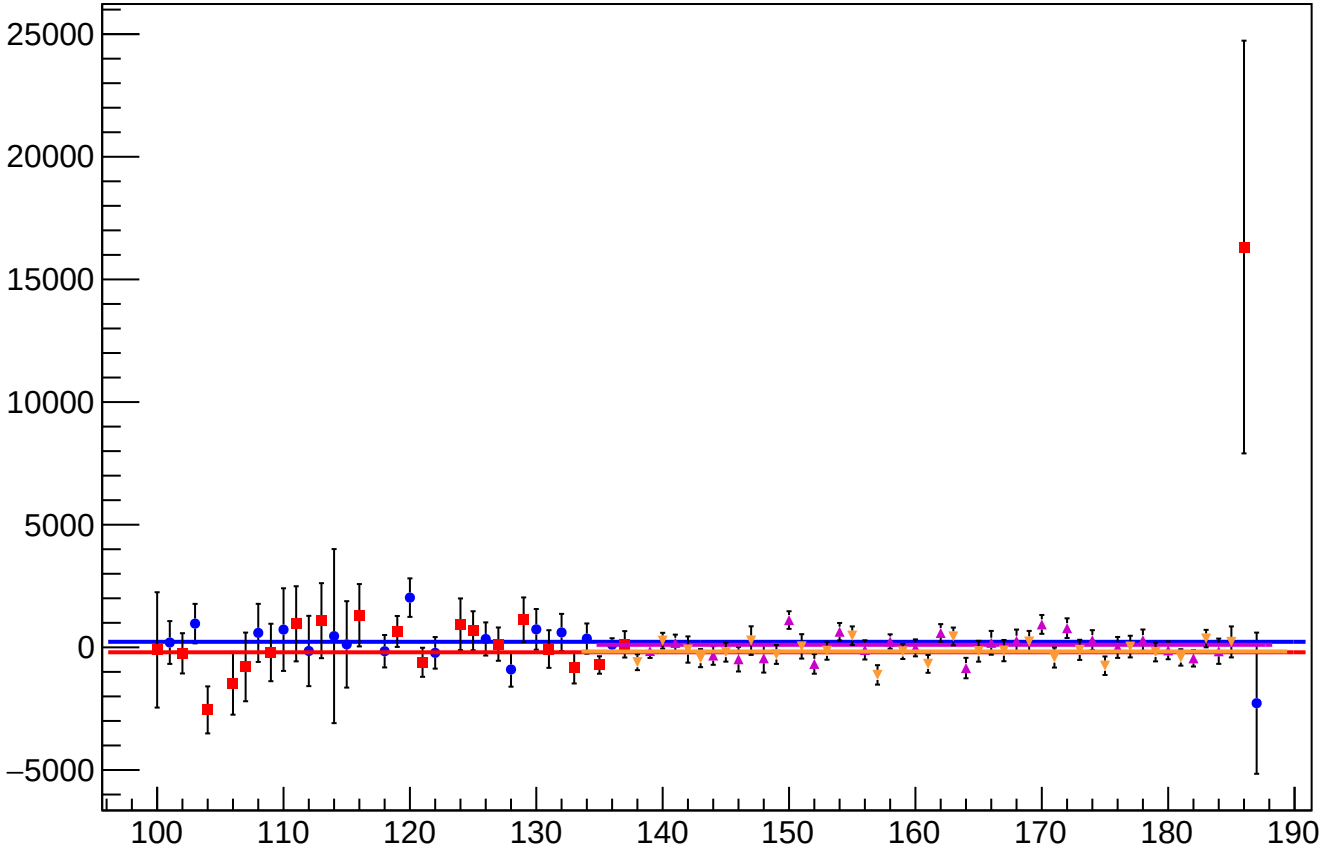
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 356.237+/-0.050 χ^2/NDF: 3446217.8/41

All: 356.819+/-0.036 χ^2/NDF: 7852751.4/84

- sign 357.431+/-0.052 χ^2/NDF: 4406260.2/42

asym_sam1_mean vs Slug



Right In: 226.507+/-167.912 χ^2/NDF: 11.5/16

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -200.811+/-174.678 χ^2/NDF: 24.2/19

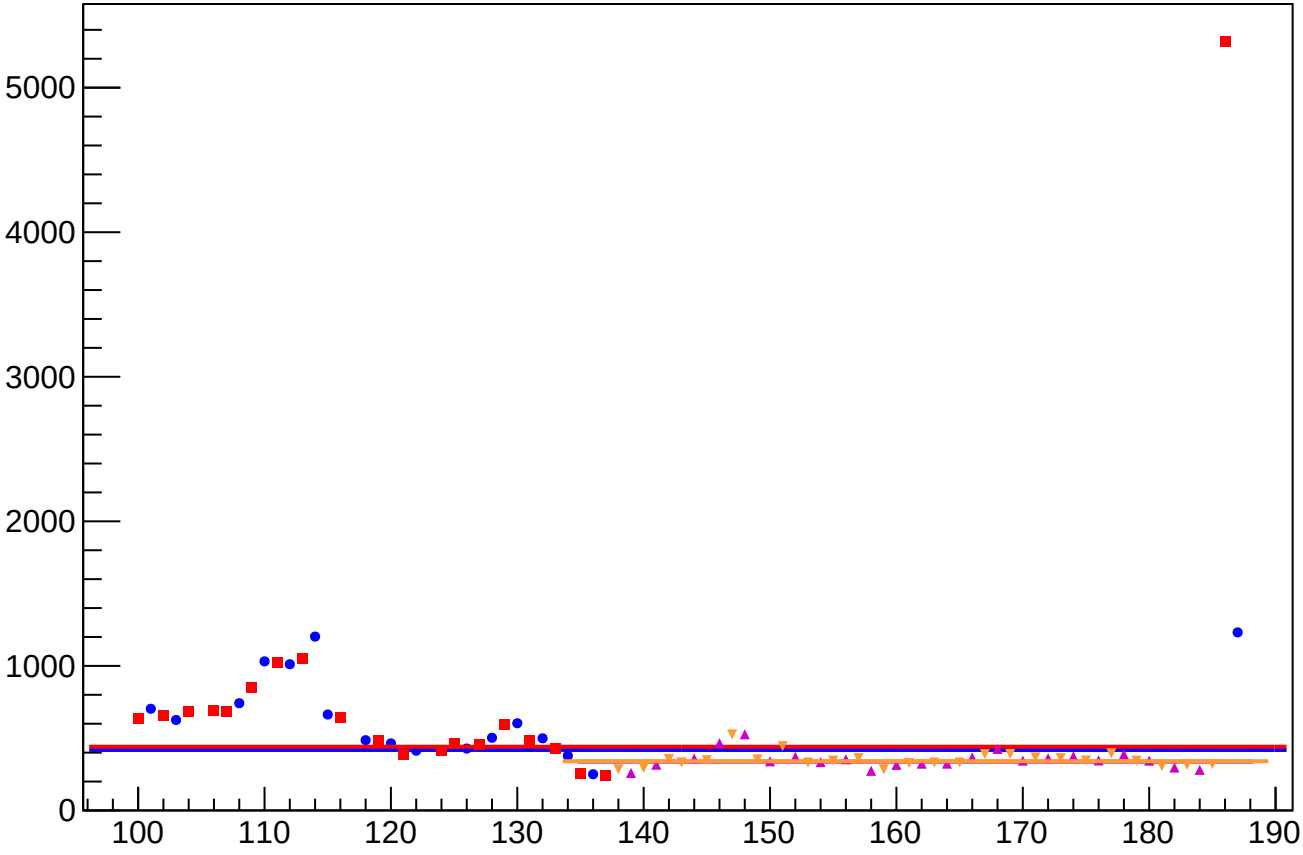
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -97.206+/-70.874 χ^2/NDF: 41.5/41

All: -24.938+/-50.759 χ^2/NDF: 107.9/84

- sign 51.169+/-72.731 χ^2/NDF: 64.2/42

asym_sam1_rms vs Slug



Right In: 418.617+/-0.119 χ^2/NDF: 2384158.9/16

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

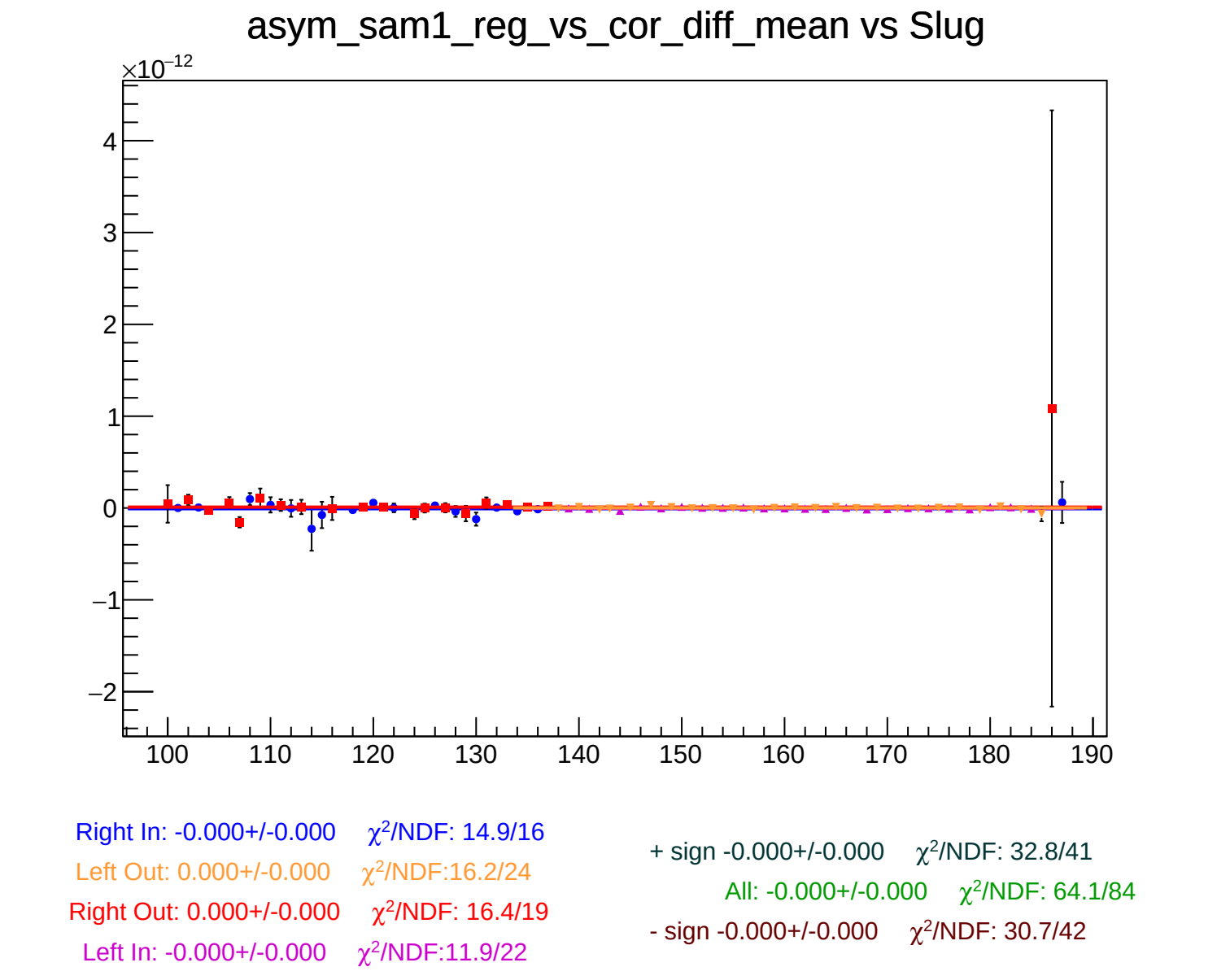
Right Out: 440.876+/-0.124 χ^2/NDF: 2907317.6/19

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

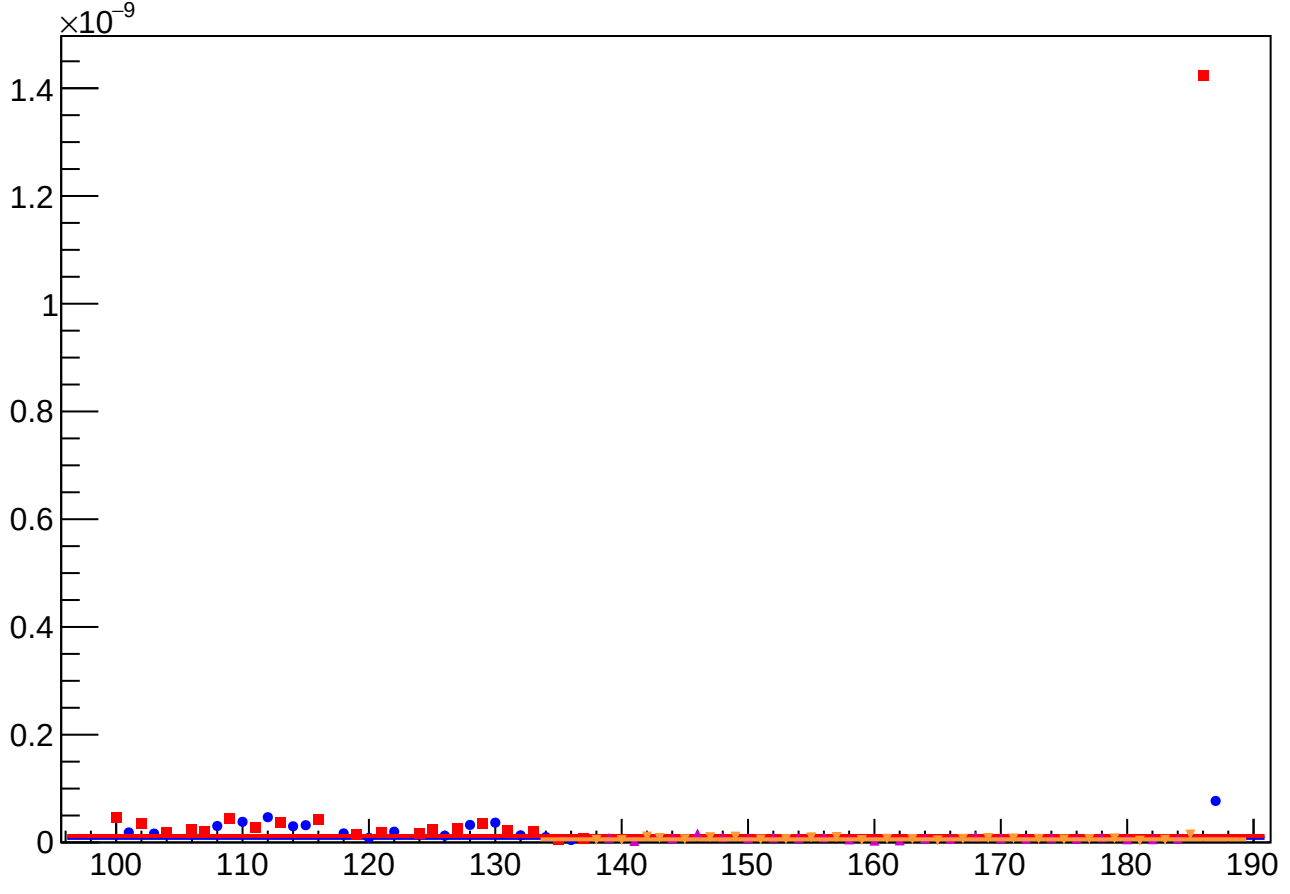
+ sign 354.328+/-0.050 χ^2/NDF: 3345052.2/41

All: 354.965+/-0.036 χ^2/NDF: 7649523.2/84

- sign 355.636+/-0.051 χ^2/NDF: 4304139.1/42


asym_sam1_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.9/16
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.4/19
Left In: -0.000+/-0.000 χ²/NDF:11.9/22
+ sign -0.000+/-0.000 χ²/NDF: 32.8/41
All: -0.000+/-0.000 χ²/NDF: 64.1/84
- sign -0.000+/-0.000 χ²/NDF: 30.7/42

asym_sam1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2943133.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3138257.0/19

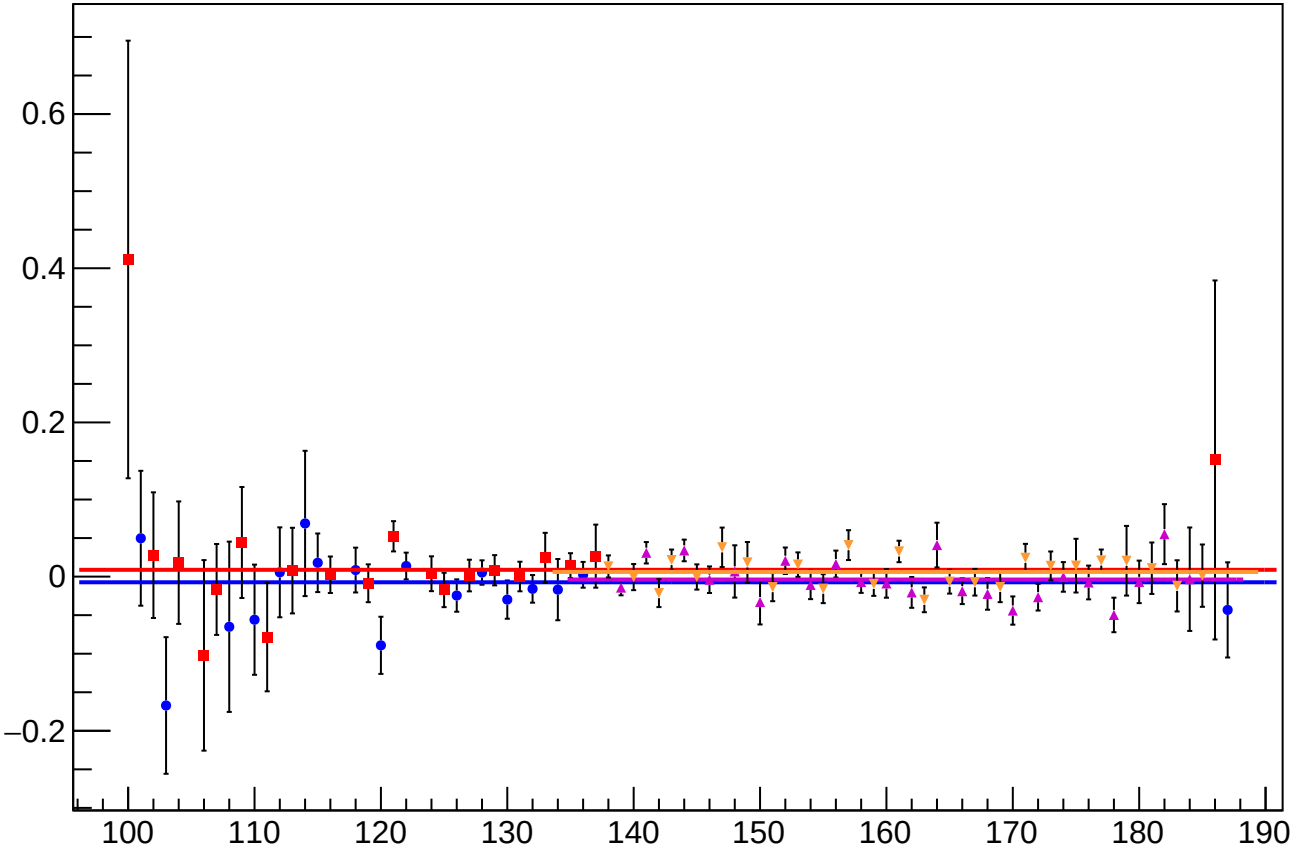
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 4433416.3/41

All: 0.000+/-0.000 χ^2/NDF: 10510839.3/84

- sign 0.000+/-0.000 χ^2/NDF: 6006503.8/42

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.006 χ^2/NDF: 13.0/19

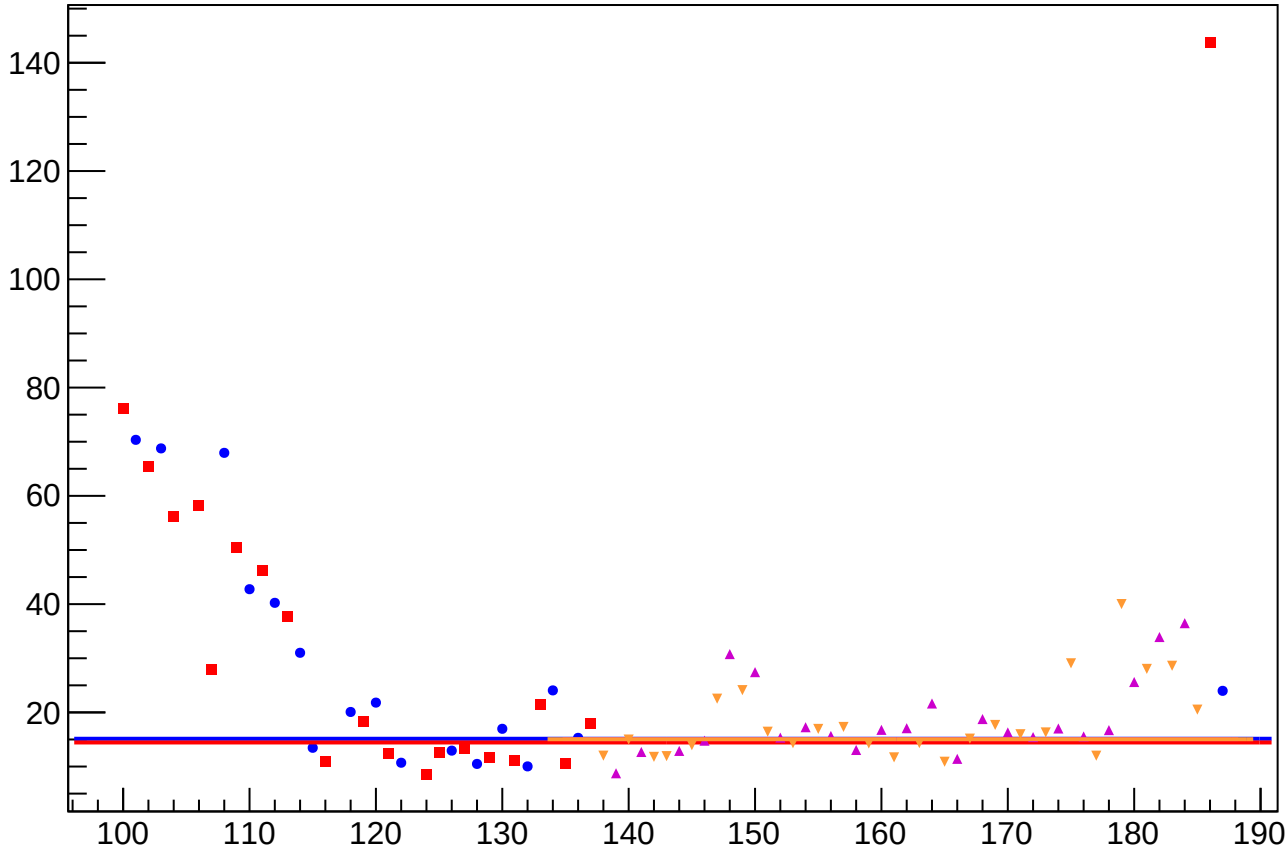
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/41

All: 0.001+/-0.002 χ^2/NDF: 98.6/84

- sign -0.000+/-0.003 χ^2/NDF: 53.0/42

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.131+/-0.005 χ^2/NDF: 3479889.7/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.445+/-0.005 χ^2/NDF: 4246079.1/19

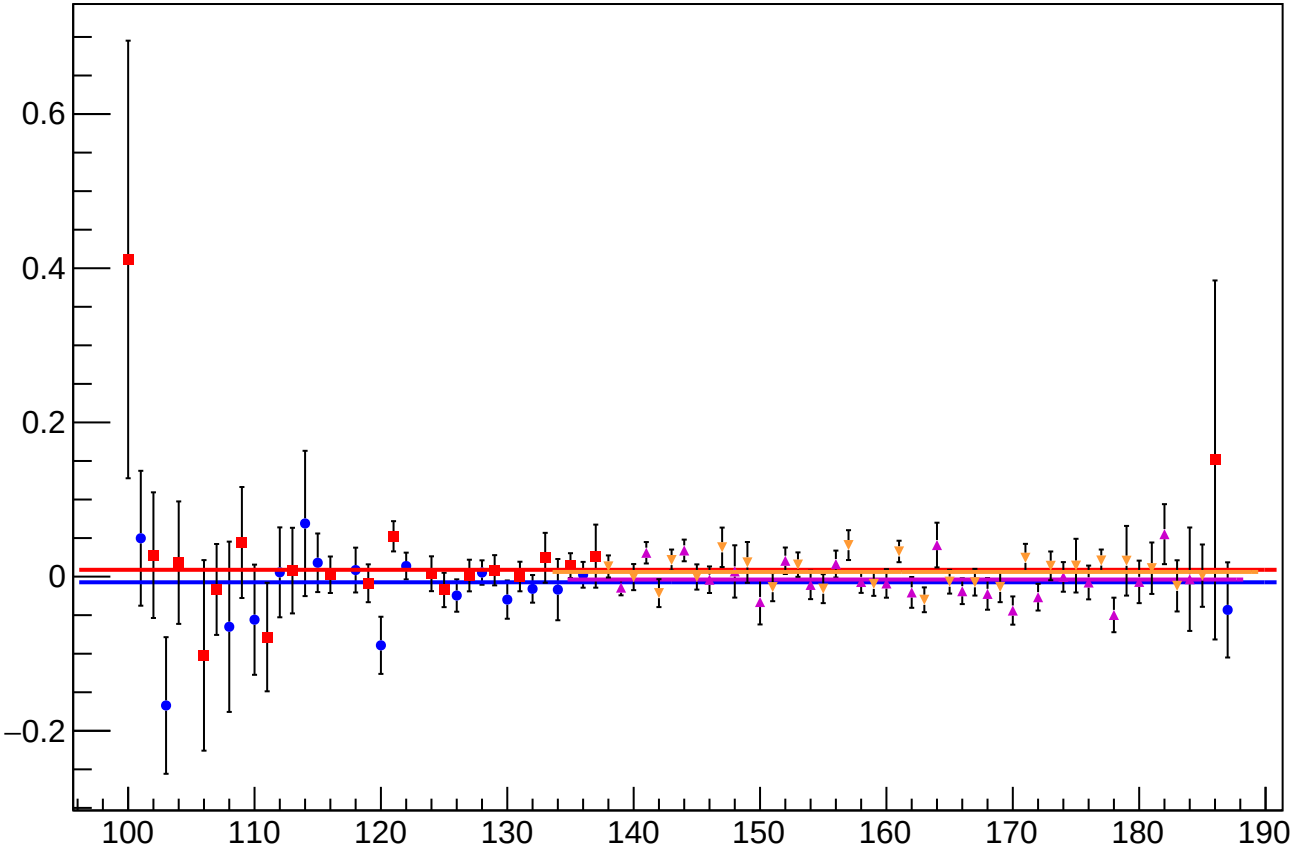
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.066+/-0.002 χ^2/NDF: 6238210.2/41

All: 14.986+/-0.002 χ^2/NDF: 13567358.2/84

- sign 14.903+/-0.002 χ^2/NDF: 7326631.4/42

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.006 χ^2/NDF: 13.0/19

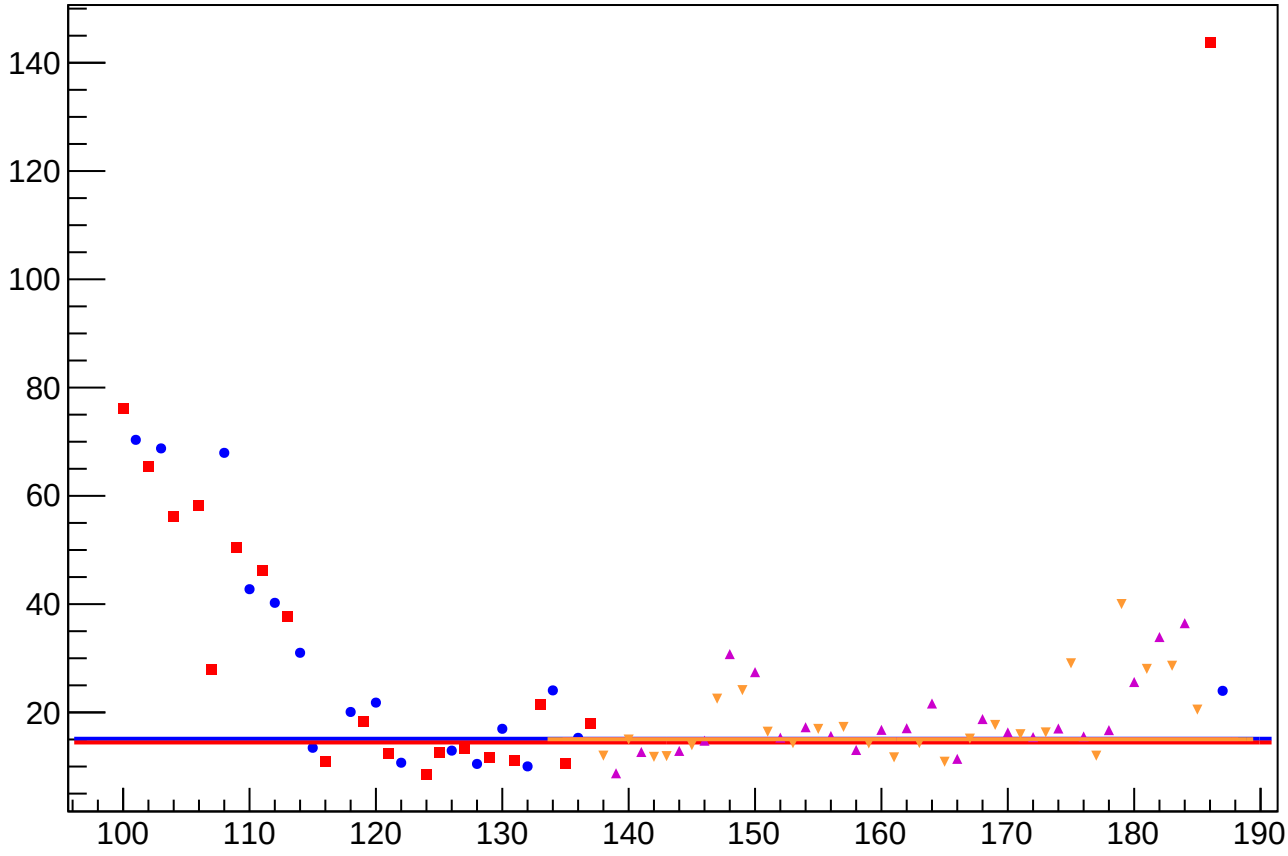
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/41

All: 0.001+/-0.002 χ^2/NDF: 98.6/84

- sign -0.000+/-0.003 χ^2/NDF: 53.0/42

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.131+/-0.005 χ^2/NDF: 3479889.7/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

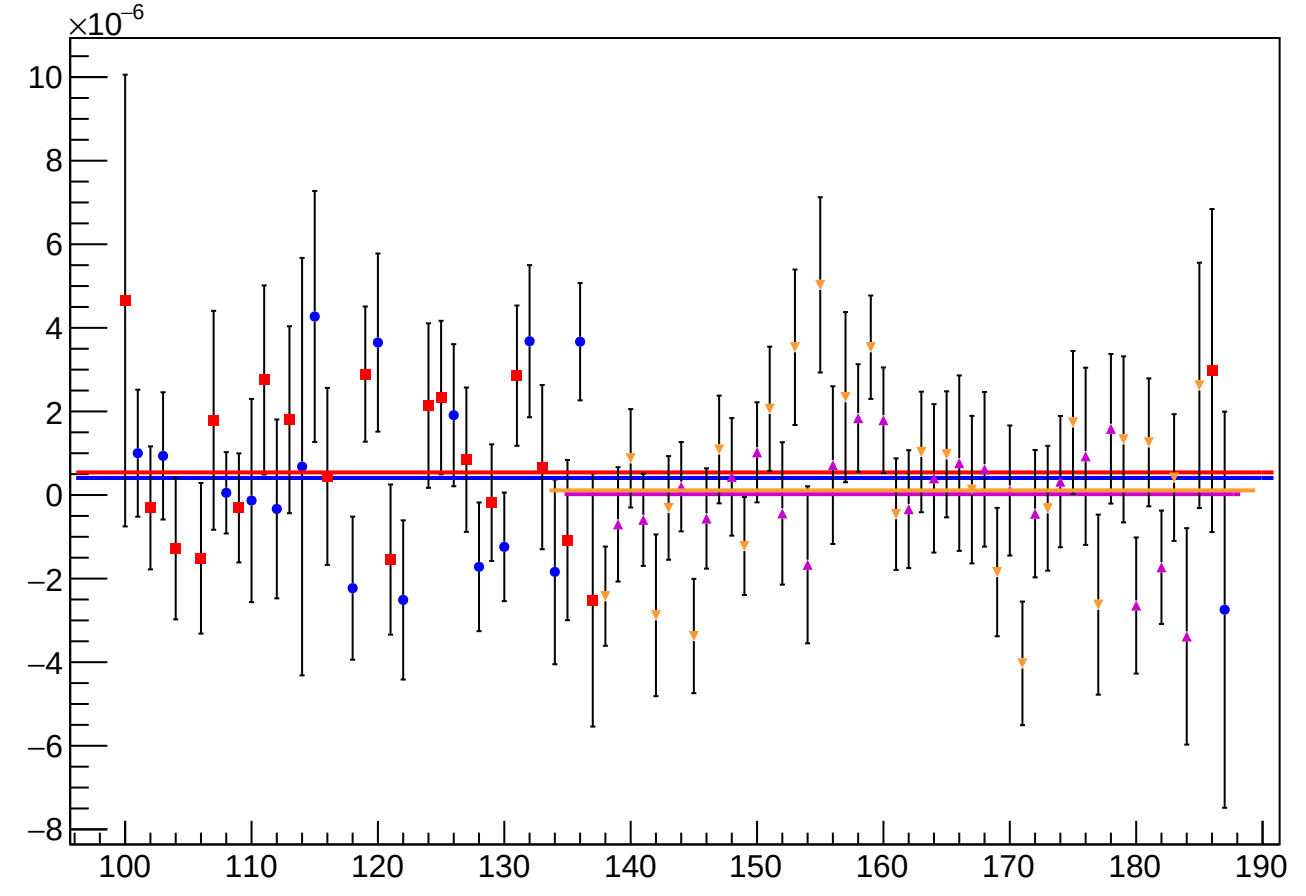
Right Out: 14.445+/-0.005 χ^2/NDF: 4246079.1/19

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.066+/-0.002 χ^2/NDF: 6238210.2/41

All: 14.986+/-0.002 χ^2/NDF: 13567358.2/84

- sign 14.903+/-0.002 χ^2/NDF: 7326631.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.7/19

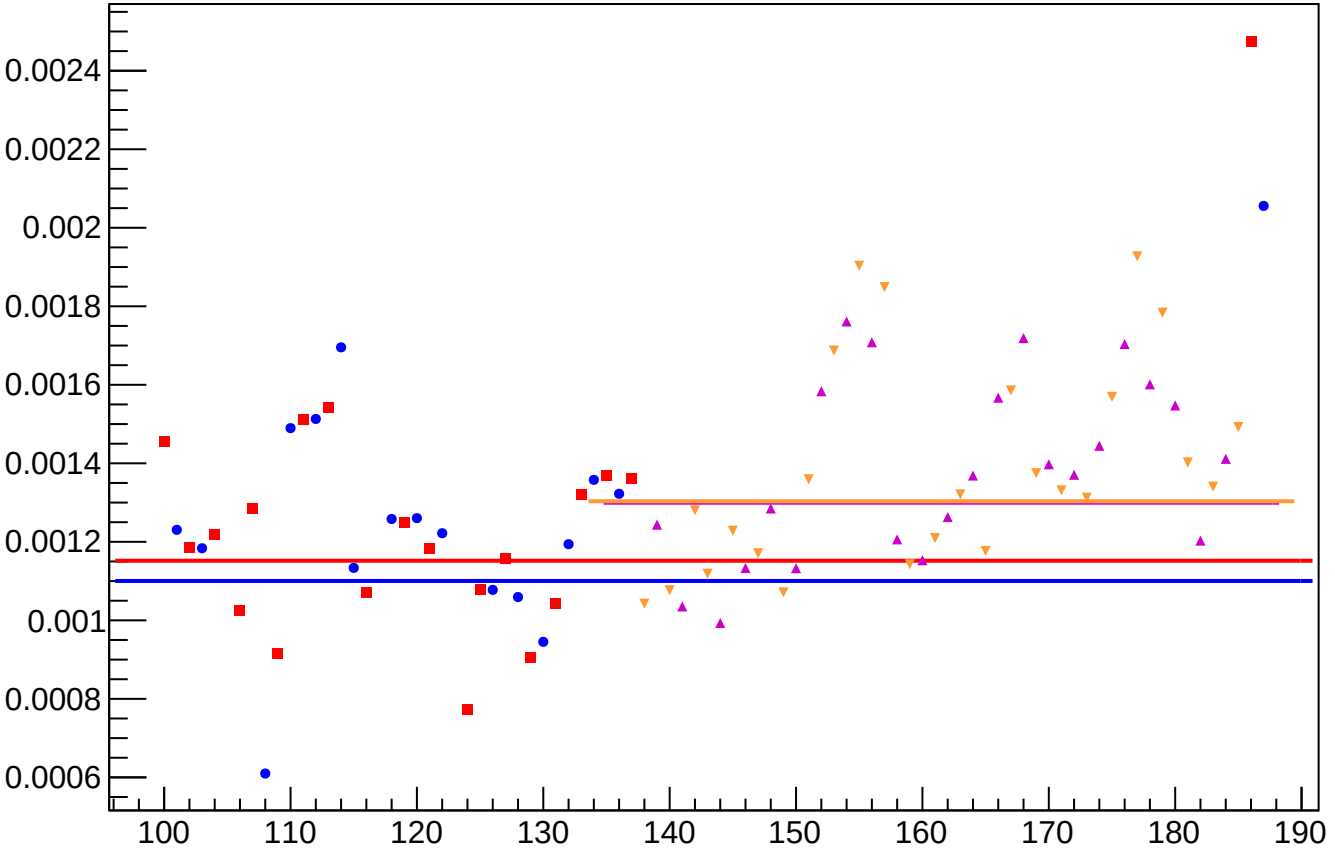
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.0/41

All: 0.000+/-0.000 χ^2/NDF: 103.8/84

- sign 0.000+/-0.000 χ^2/NDF: 29.8/42

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 913743.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

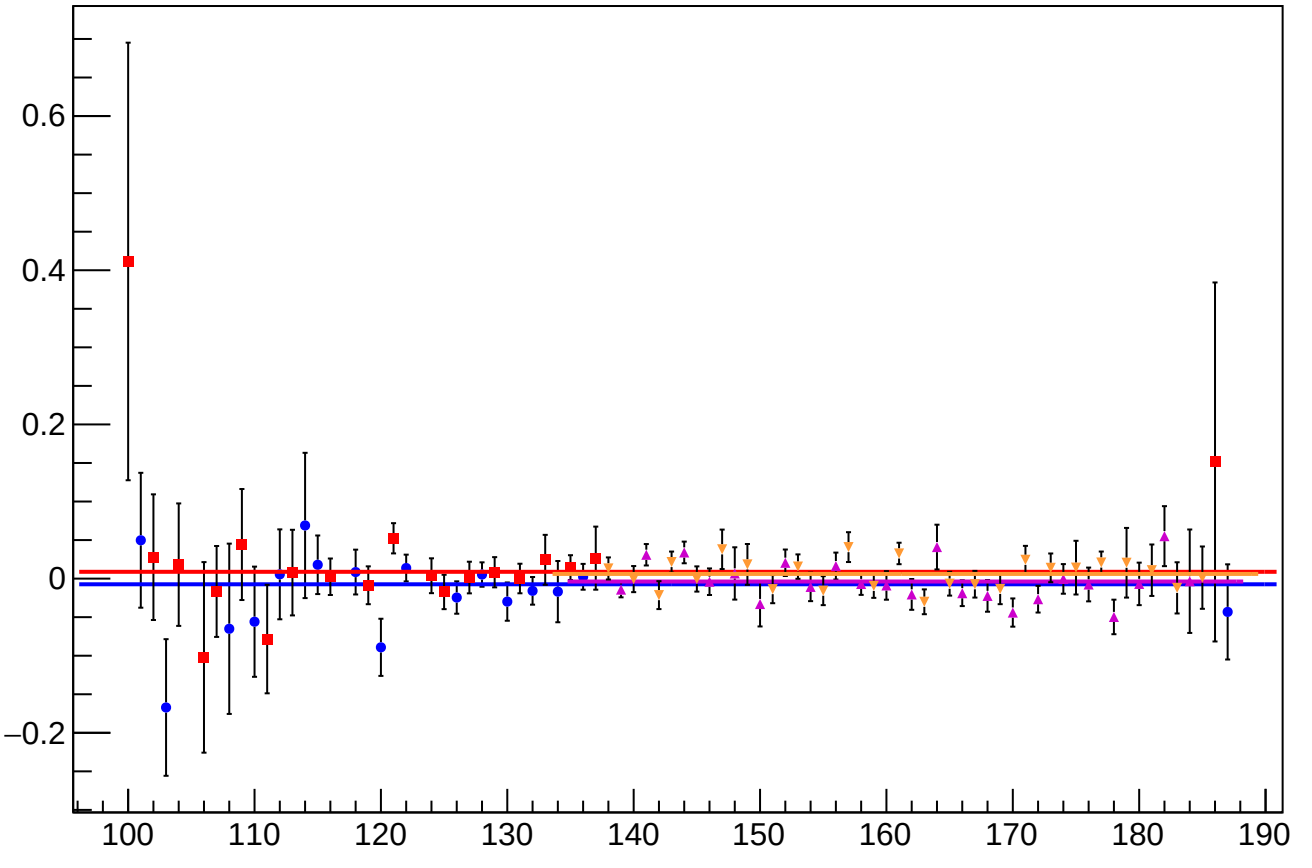
Right Out: 0.001+/-0.000 χ^2/NDF: 644060.7/19

Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 2405424.2/41

All: 0.001+/-0.000 χ^2/NDF: 4238941.1/84

- sign 0.001+/-0.000 χ^2/NDF: 1830379.2/42



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.009+/-0.006 χ^2/NDF: 13.0/19

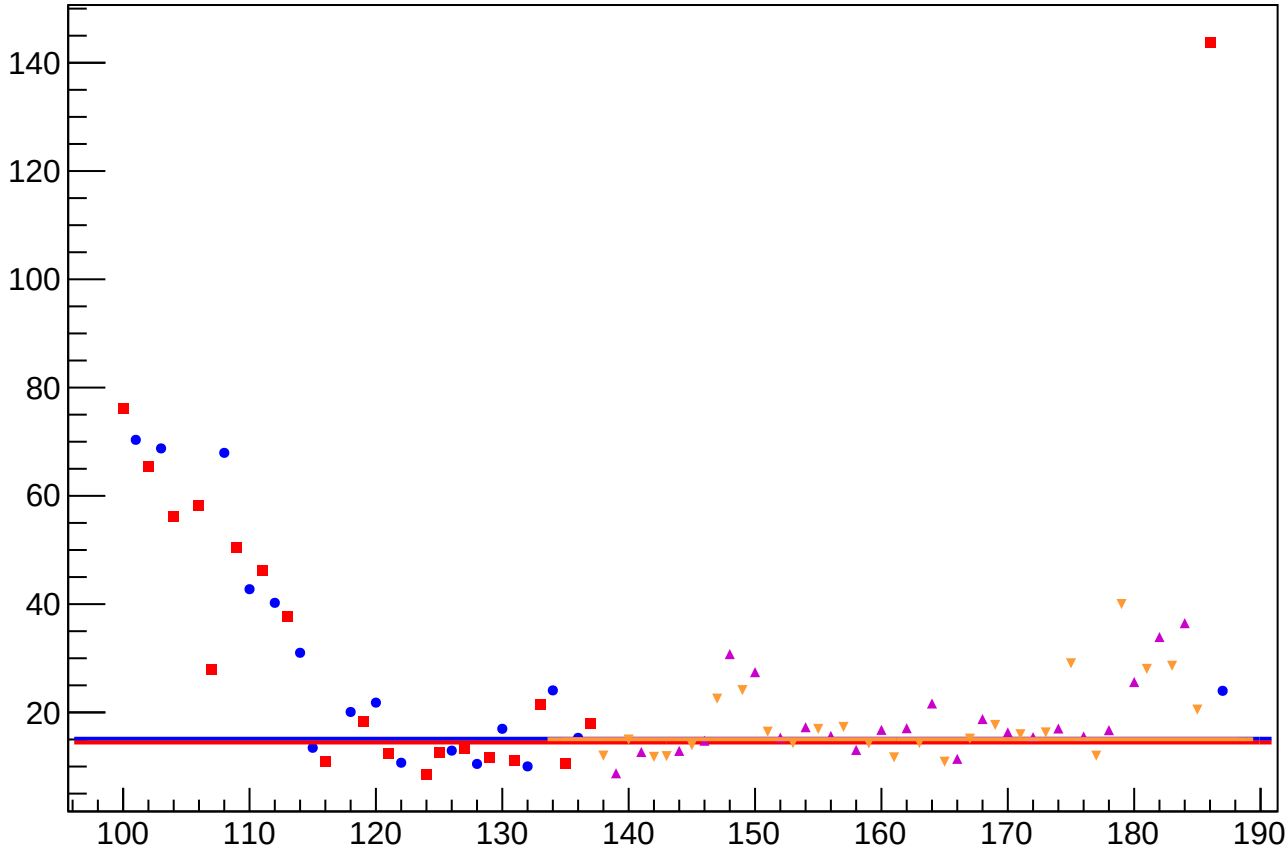
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/41

All: 0.001+/-0.002 χ^2/NDF: 98.6/84

- sign -0.000+/-0.003 χ^2/NDF: 53.0/42

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.131+/-0.005 χ^2/NDF: 3479919.6/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

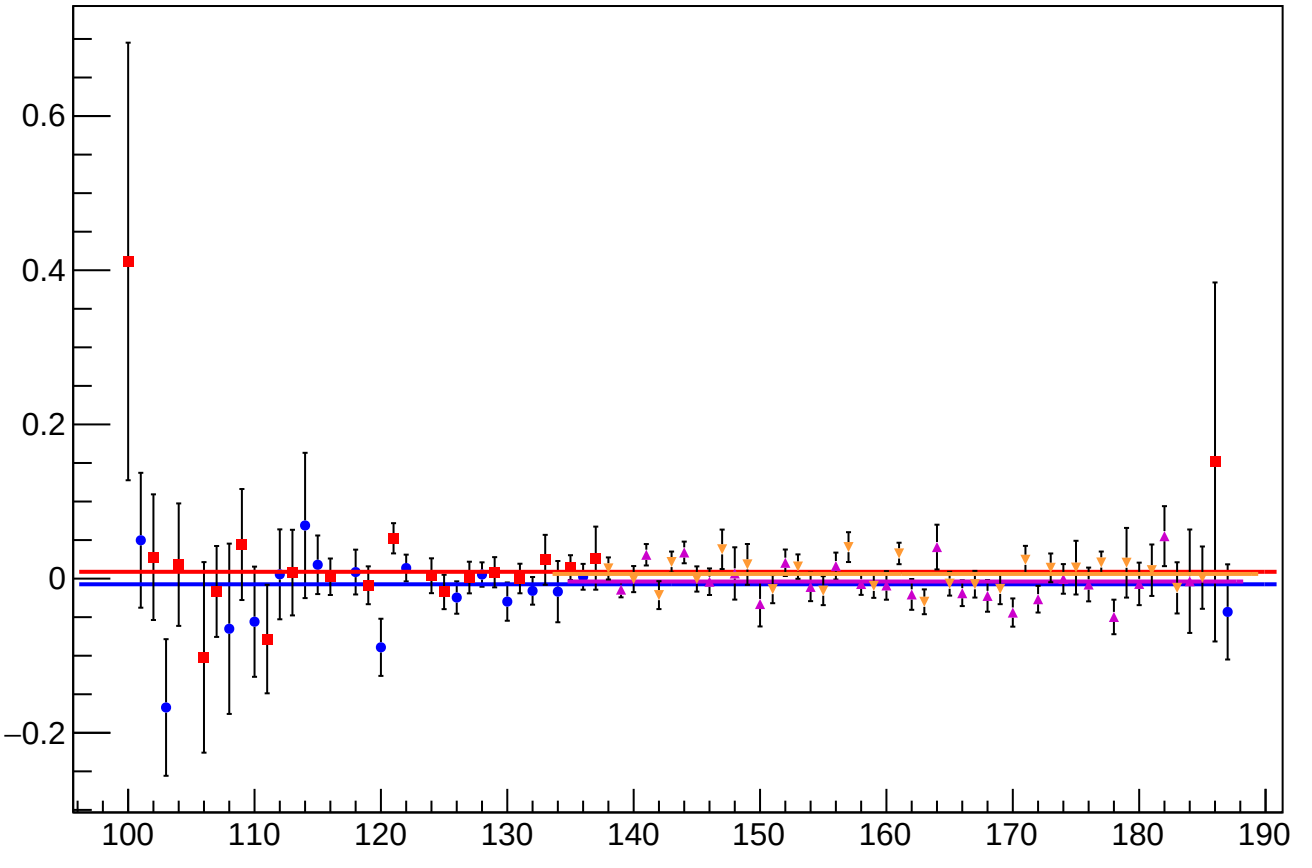
Right Out: 14.445+/-0.005 χ^2/NDF: 4246070.8/19

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

\+ sign 15.066+/-0.002 χ^2/NDF: 6238450.1/41

All: 14.986+/-0.002 χ^2/NDF: 13567628.3/84

\- sign 14.902+/-0.002 χ^2/NDF: 7326663.8/42



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

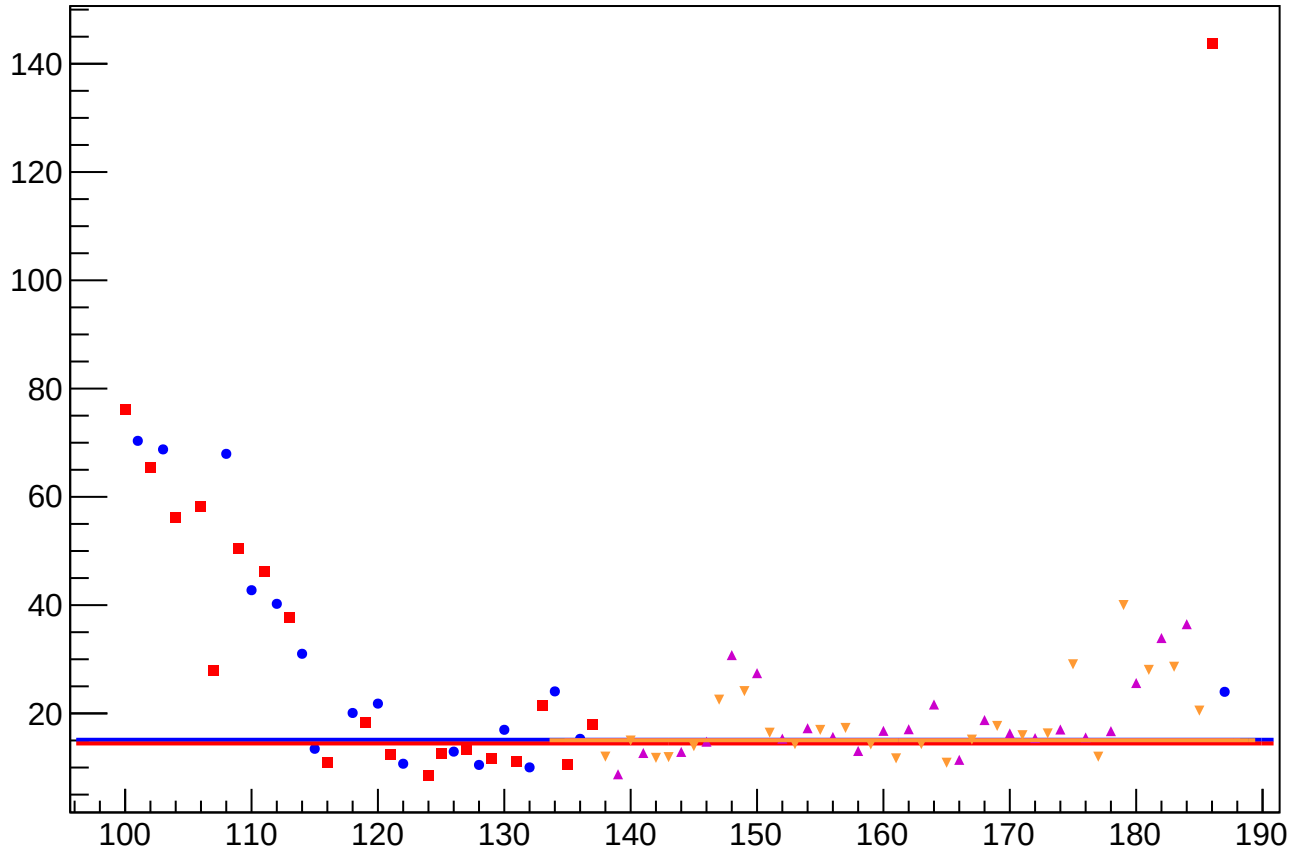
Right Out: 0.009+/-0.006 χ^2/NDF: 13.0/19

Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.003+/-0.003 χ^2/NDF: 45.1/41

All: 0.001+/-0.002 χ^2/NDF: 98.6/84

- sign -0.000+/-0.003 χ^2/NDF: 53.0/42



Right In: 15.131+/-0.005 χ^2/NDF: 3479919.6/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

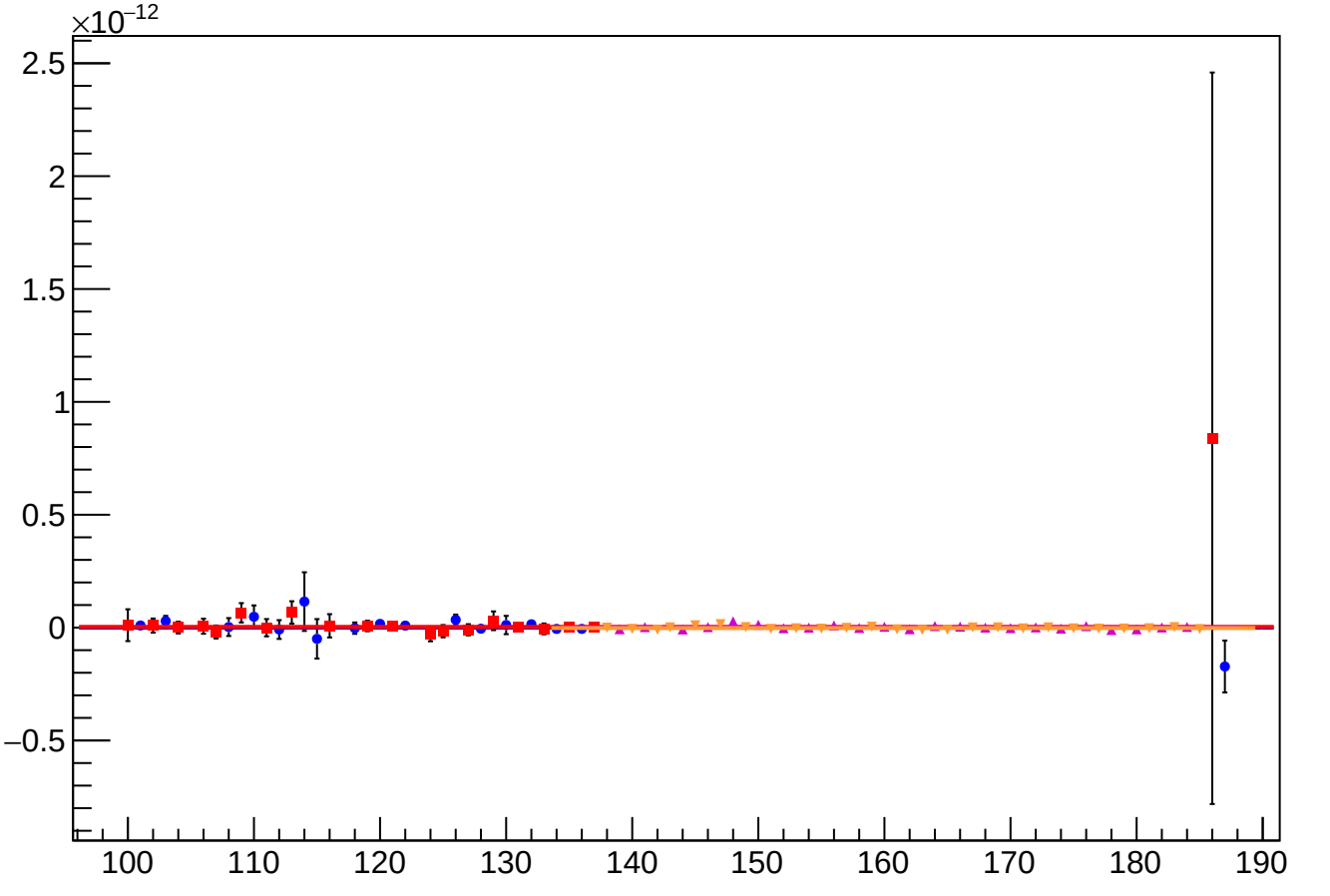
Right Out: 14.445+/-0.005 χ^2/NDF: 4246070.8/19

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.066+/-0.002 χ^2/NDF: 6238450.1/41

All: 14.986+/-0.002 χ^2/NDF: 13567628.3/84

- sign 14.902+/-0.002 χ^2/NDF: 7326663.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7.3/19

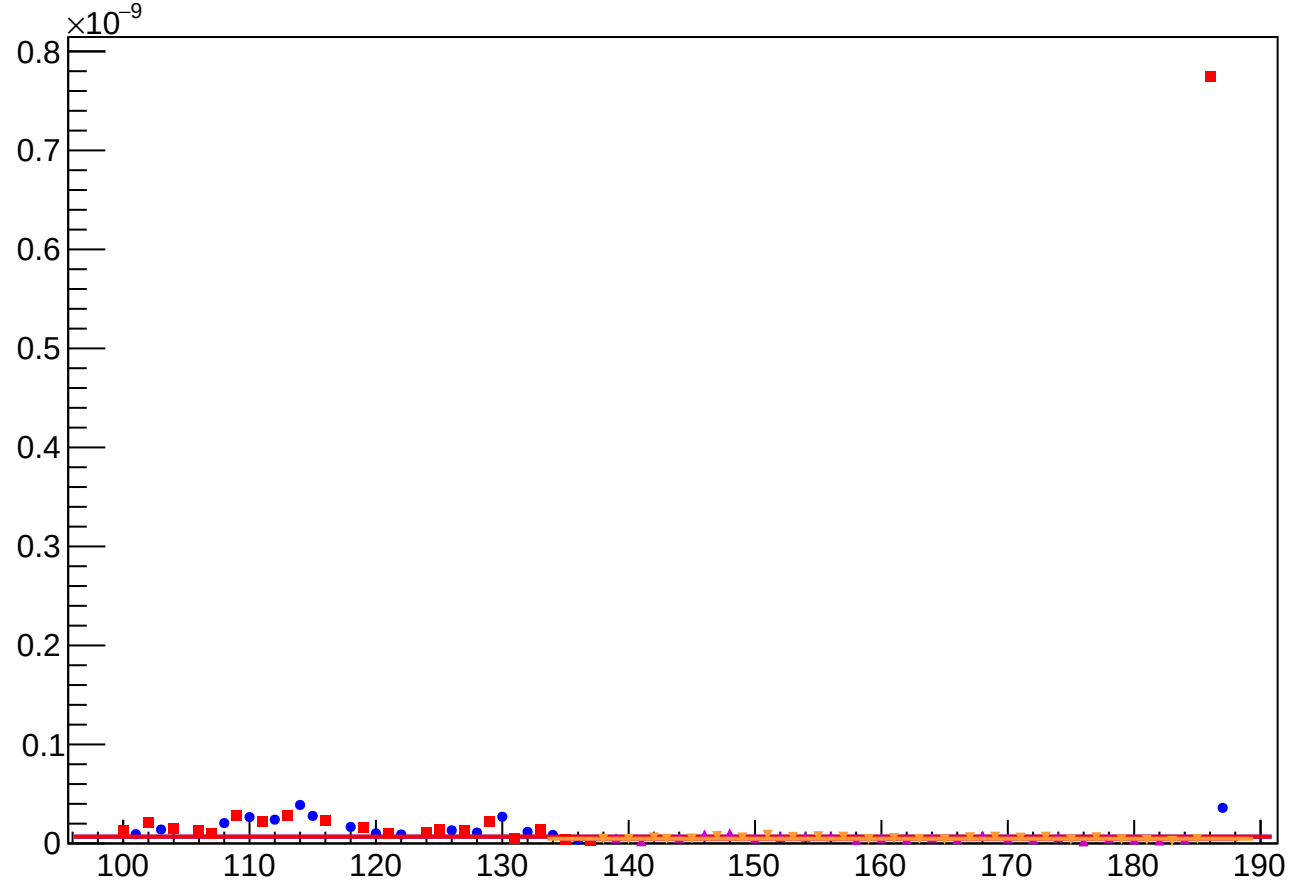
Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 26.9/41

All: -0.000+/-0.000 χ^2/NDF: 58.0/84

- sign 0.000+/-0.000 χ^2/NDF: 29.0/42

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3640070.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4690325.5/19

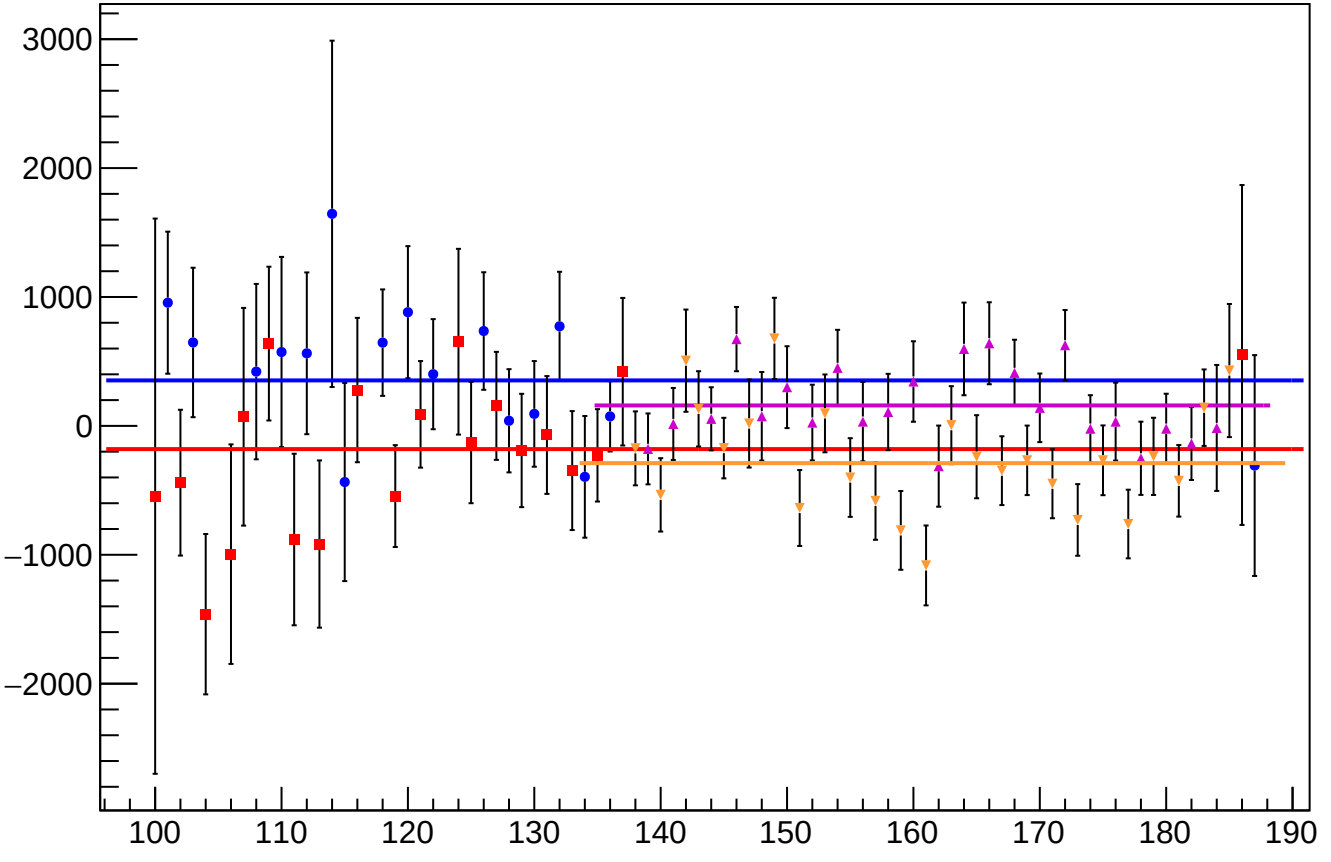
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6273585.1/41

All: 0.000+/-0.000 χ^2/NDF: 15416424.2/84

- sign 0.000+/-0.000 χ^2/NDF: 9010104.7/42

reg_asym_sam2_mean vs Slug



Right In: 352.820+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -180.073+/-119.691 χ^2/NDF: 15.3/19

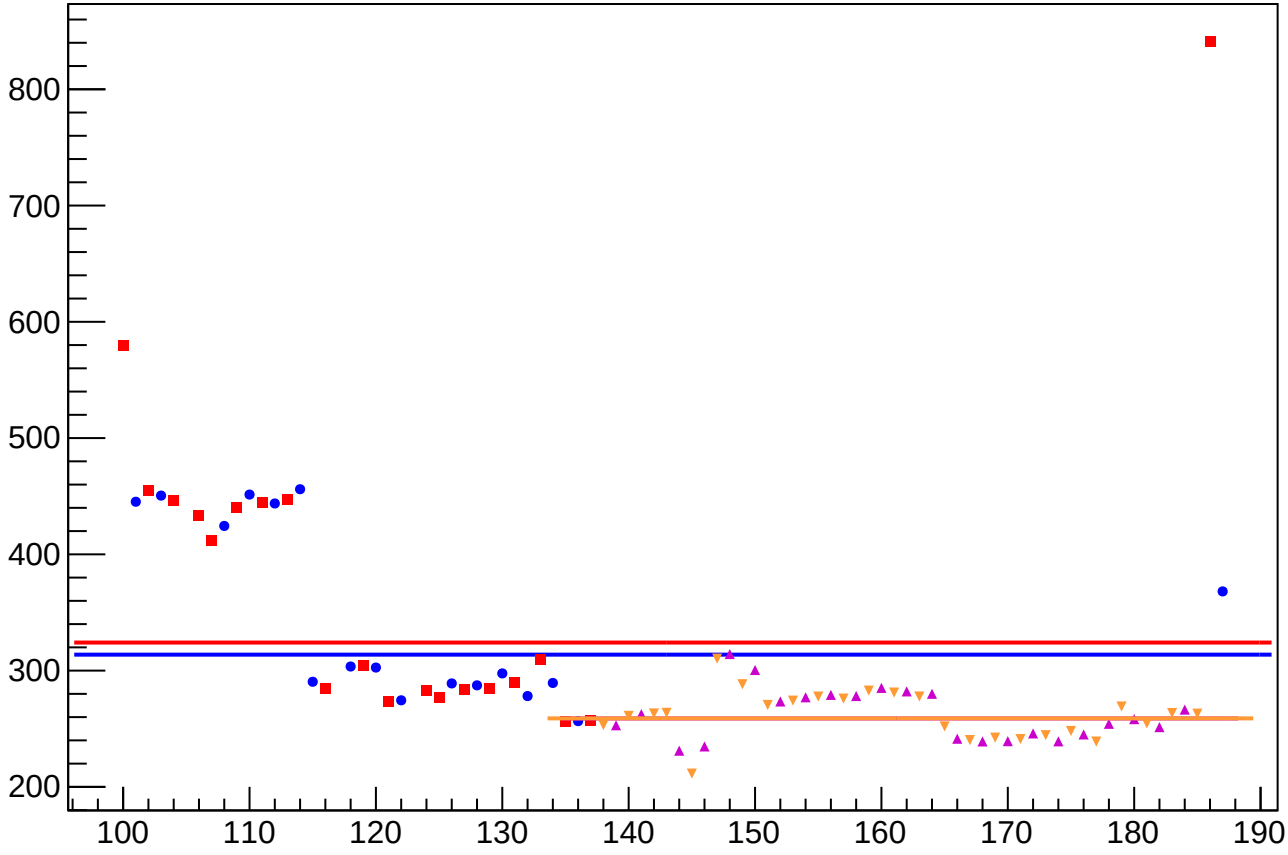
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

\+ sign -160.008+/-52.773 χ^2/NDF: 78.2/41

All: -38.543+/-37.791 χ^2/NDF: 133.3/84

\- sign 89.303+/-54.142 χ^2/NDF: 44.2/42

reg_asym_sam2_rms vs Slug



Right In: 313.730+/-0.083 χ^2/NDF: 610427.6/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

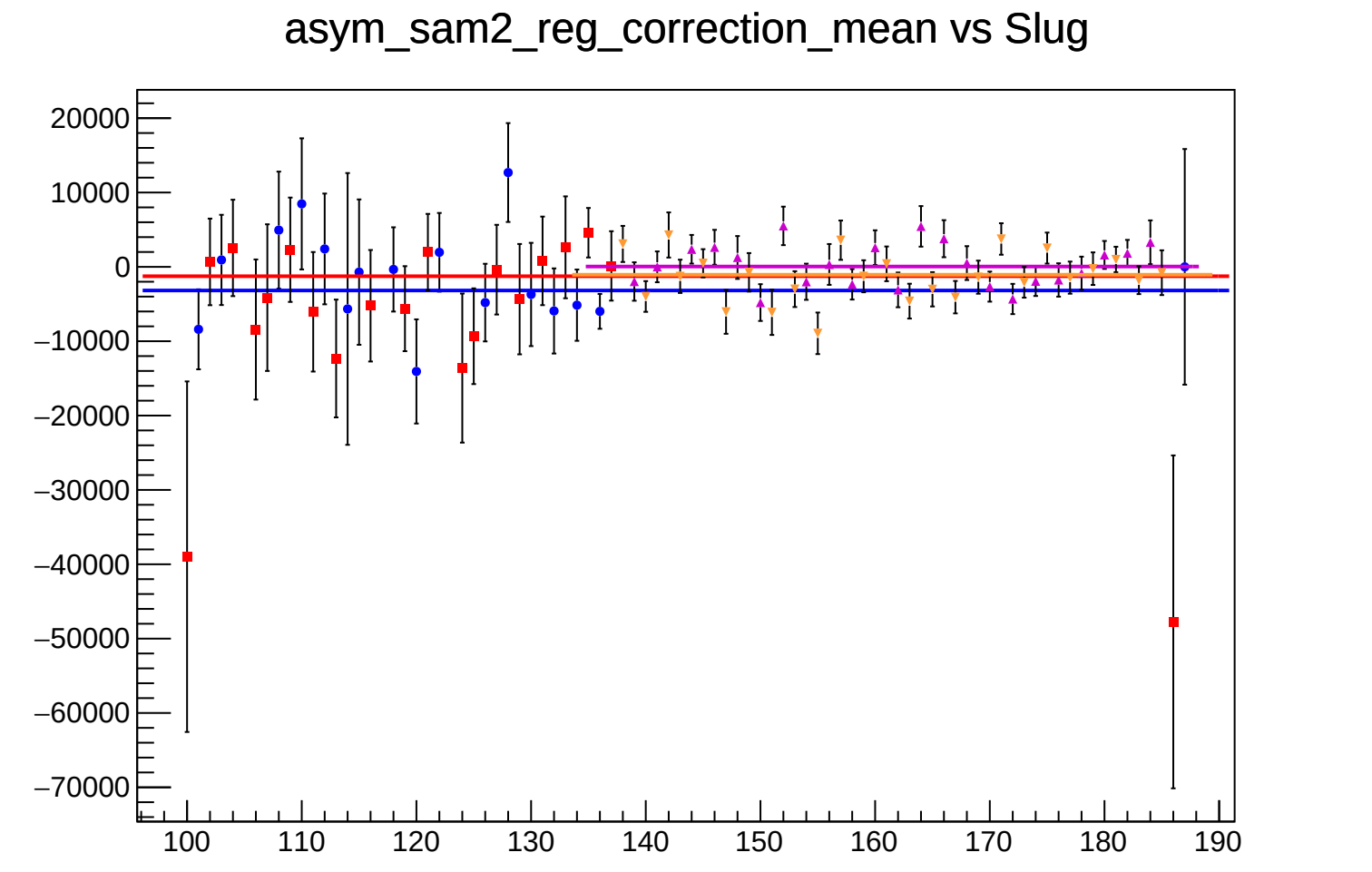
Right Out: 324.135+/-0.085 χ^2/NDF: 1007645.9/19

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.924+/-0.037 χ^2/NDF: 1205591.7/41

All: 271.034+/-0.027 χ^2/NDF: 2933372.0/84

- sign 272.203+/-0.038 χ^2/NDF: 1725963.8/42



Right In: -3175.535+/-1348.900 χ^2/NDF: 16.1/16

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1259.155+/-1440.336 χ^2/NDF: 18.7/19

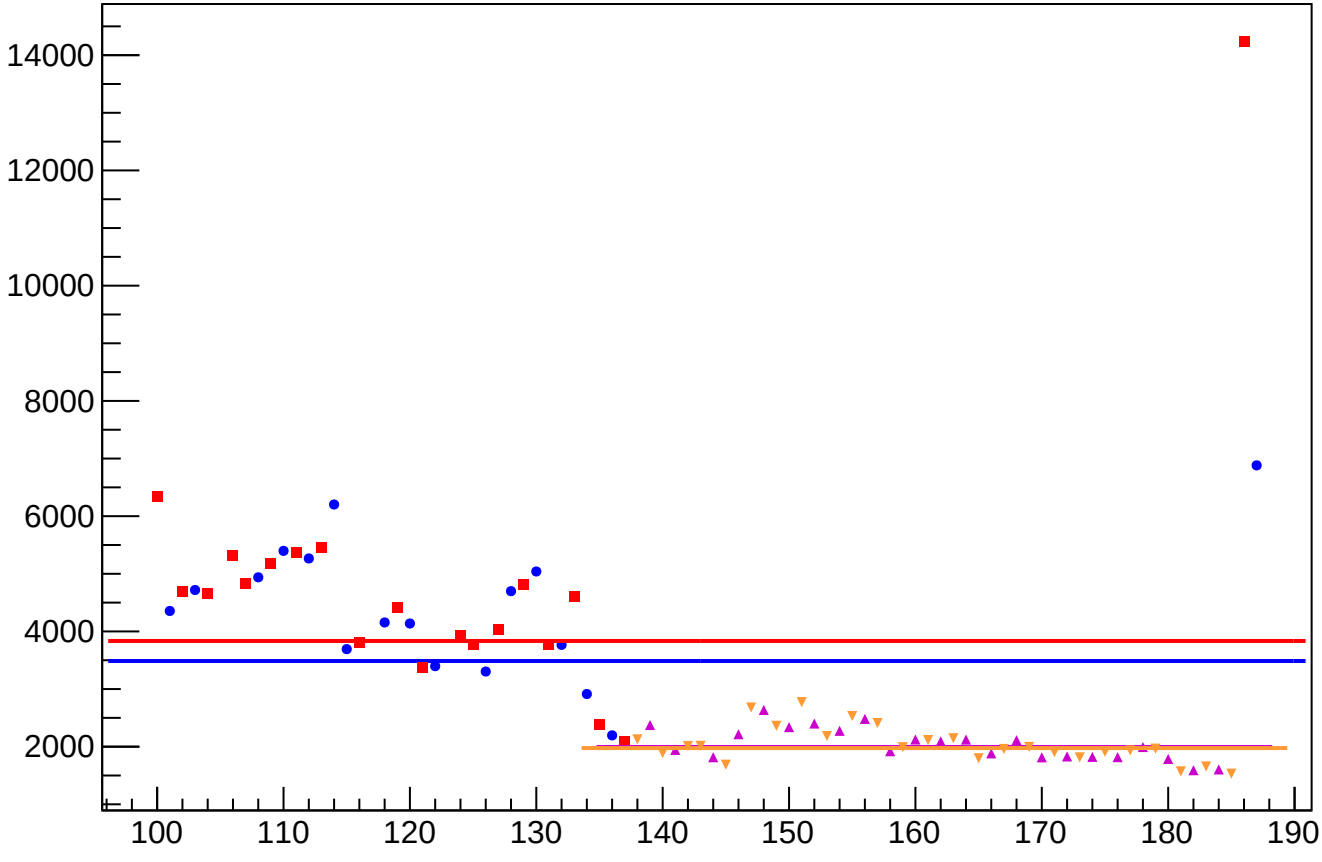
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1275.126+/-430.838 χ^2/NDF: 59.8/41

All: -700.799+/-310.343 χ^2/NDF: 117.2/84

- sign -81.427+/-447.415 χ^2/NDF: 53.6/42

asym_sam2_reg_correction_rms vs Slug



Right In: 3486.707+/-0.954 χ^2/NDF: 1402055.2/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 3834.437+/-1.018 χ^2/NDF: 1589244.3/19

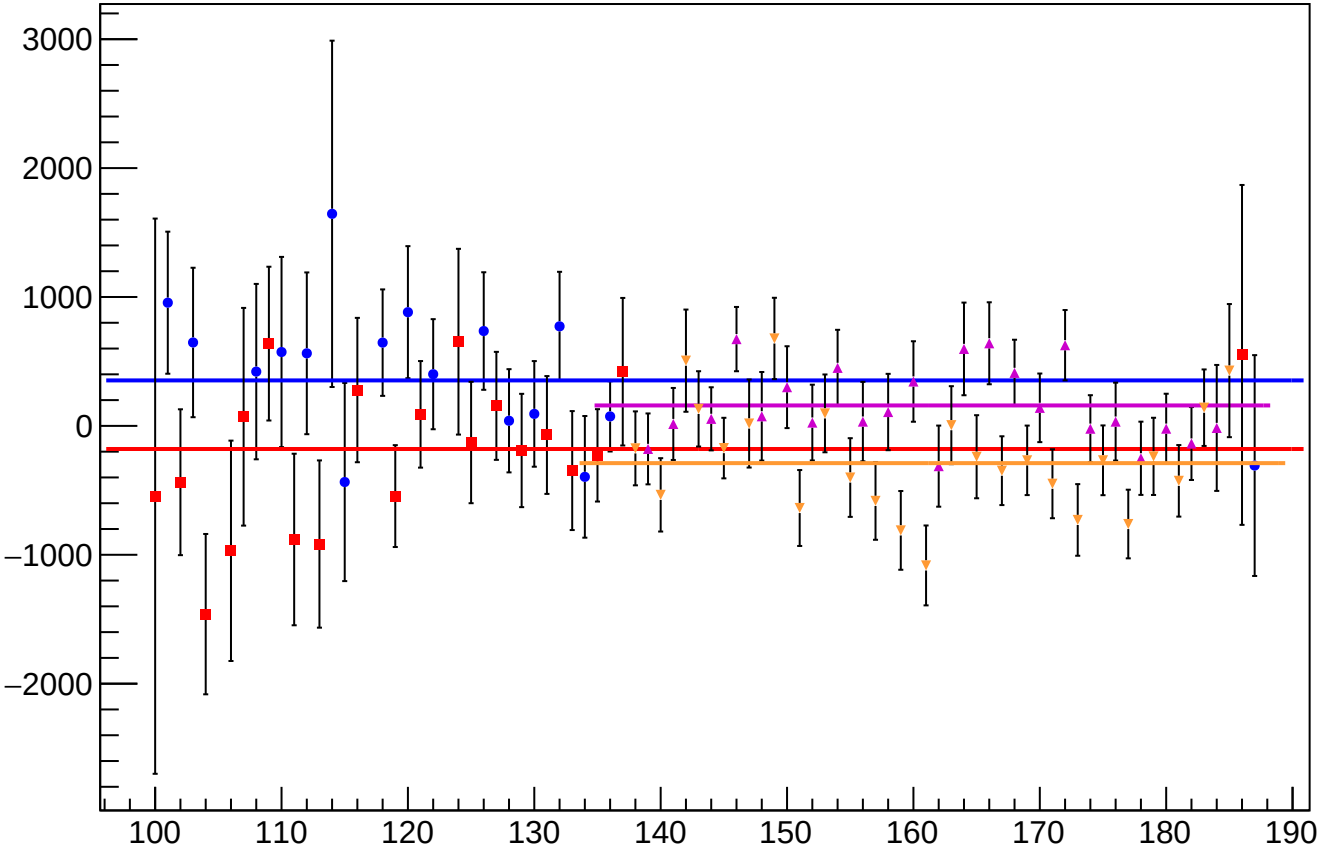
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2130.087+/-0.305 χ^2/NDF: 4418162.0/41

All: 2150.385+/-0.219 χ^2/NDF: 9564561.1/84

- sign 2172.275+/-0.316 χ^2/NDF: 5137172.5/42

cor_asym_sam2_mean vs Slug



Right In: 352.803+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -179.265+/-119.702 χ^2/NDF: 15.2/19

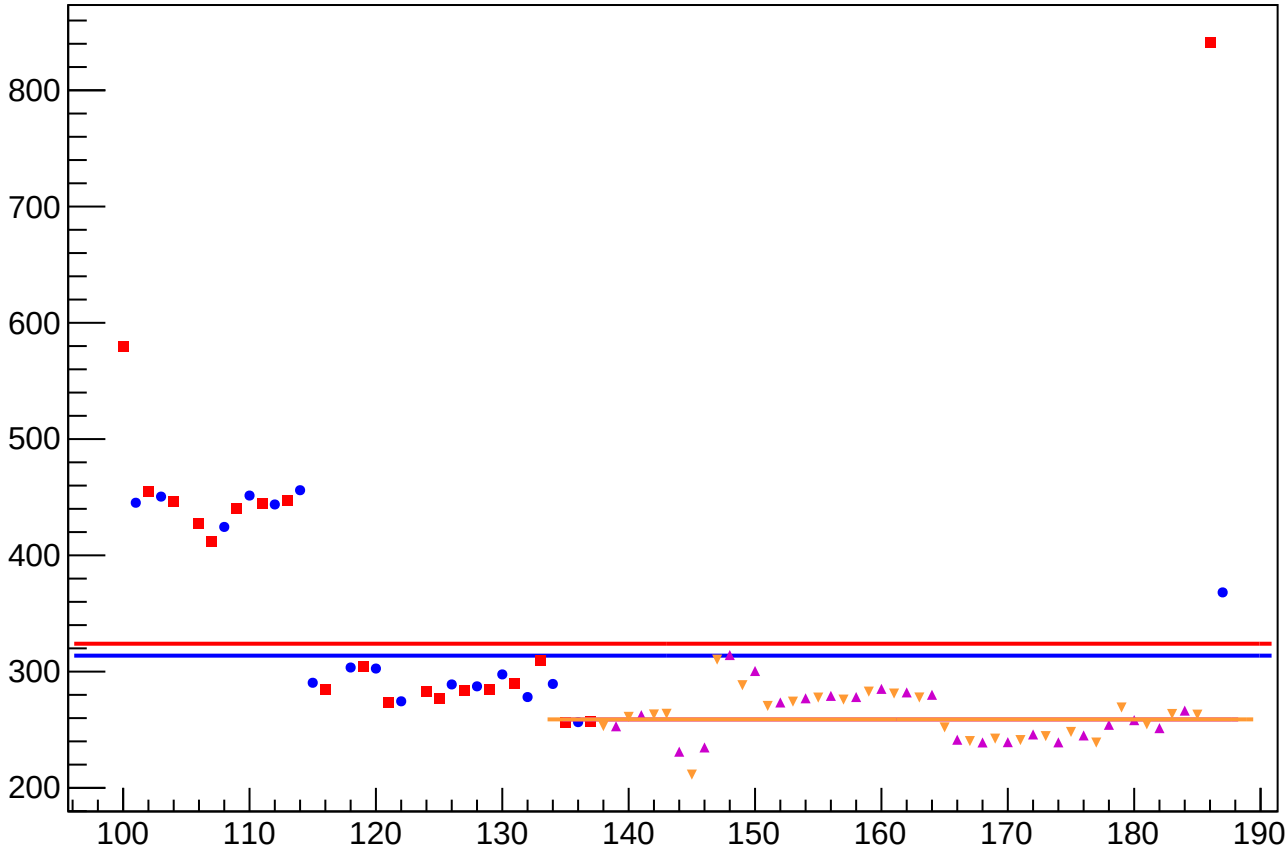
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

\+ sign -160.014+/-52.773 χ^2/NDF: 78.2/41

All: -38.459+/-37.791 χ^2/NDF: 133.2/84

\- sign 89.488+/-54.143 χ^2/NDF: 44.1/42

cor_asym_sam2_rms vs Slug



Right In: 313.730+/-0.083 χ^2/NDF: 610429.1/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

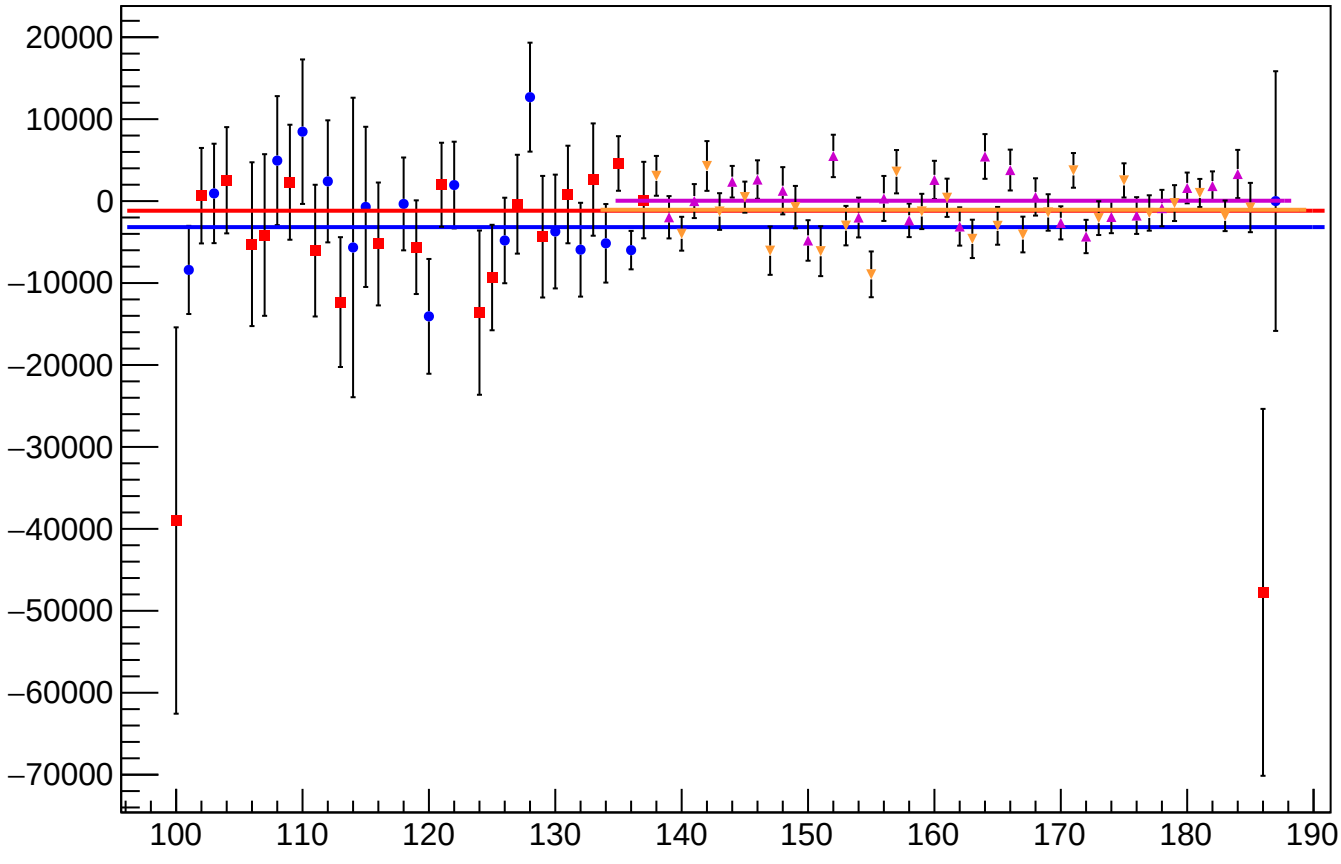
Right Out: 323.988+/-0.085 χ^2/NDF: 1003657.6/19

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.924+/-0.037 χ^2/NDF: 1205593.3/41

All: 271.019+/-0.027 χ^2/NDF: 2927149.4/84

- sign 272.171+/-0.038 χ^2/NDF: 1719790.1/42



Right In: -3175.467+/-1348.903 χ^2/NDF: 16.1/16

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1175.023+/-1442.263 χ^2/NDF: 18.3/19

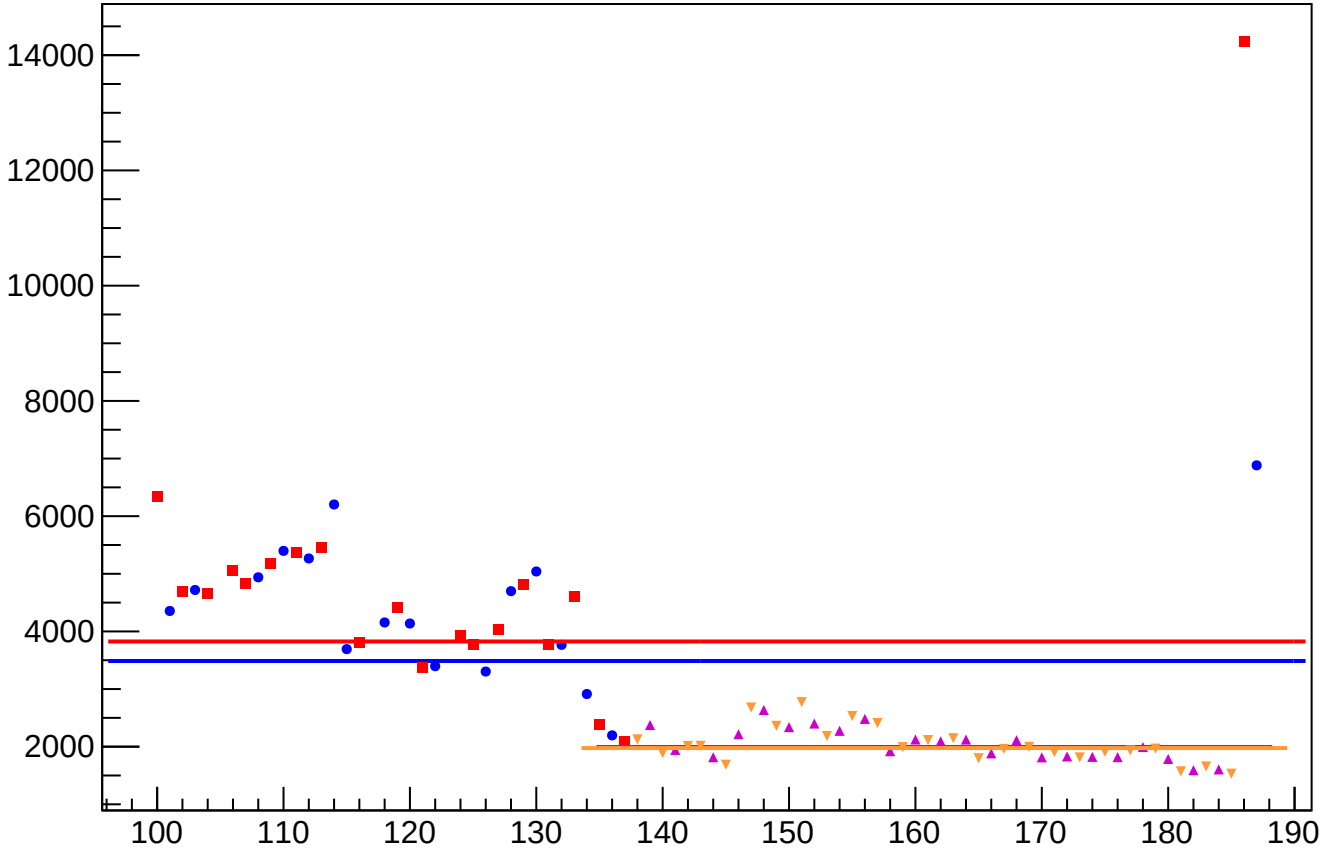
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1275.122+/-430.838 χ^2/NDF: 59.8/41

All: -696.833+/-310.363 χ^2/NDF: 116.7/84

- sign -73.028+/-447.473 χ^2/NDF: 53.1/42

asym_sam2_cor_correction_rms vs Slug



Right In: 3486.712+/-0.954 χ^2/NDF: 1402071.1/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

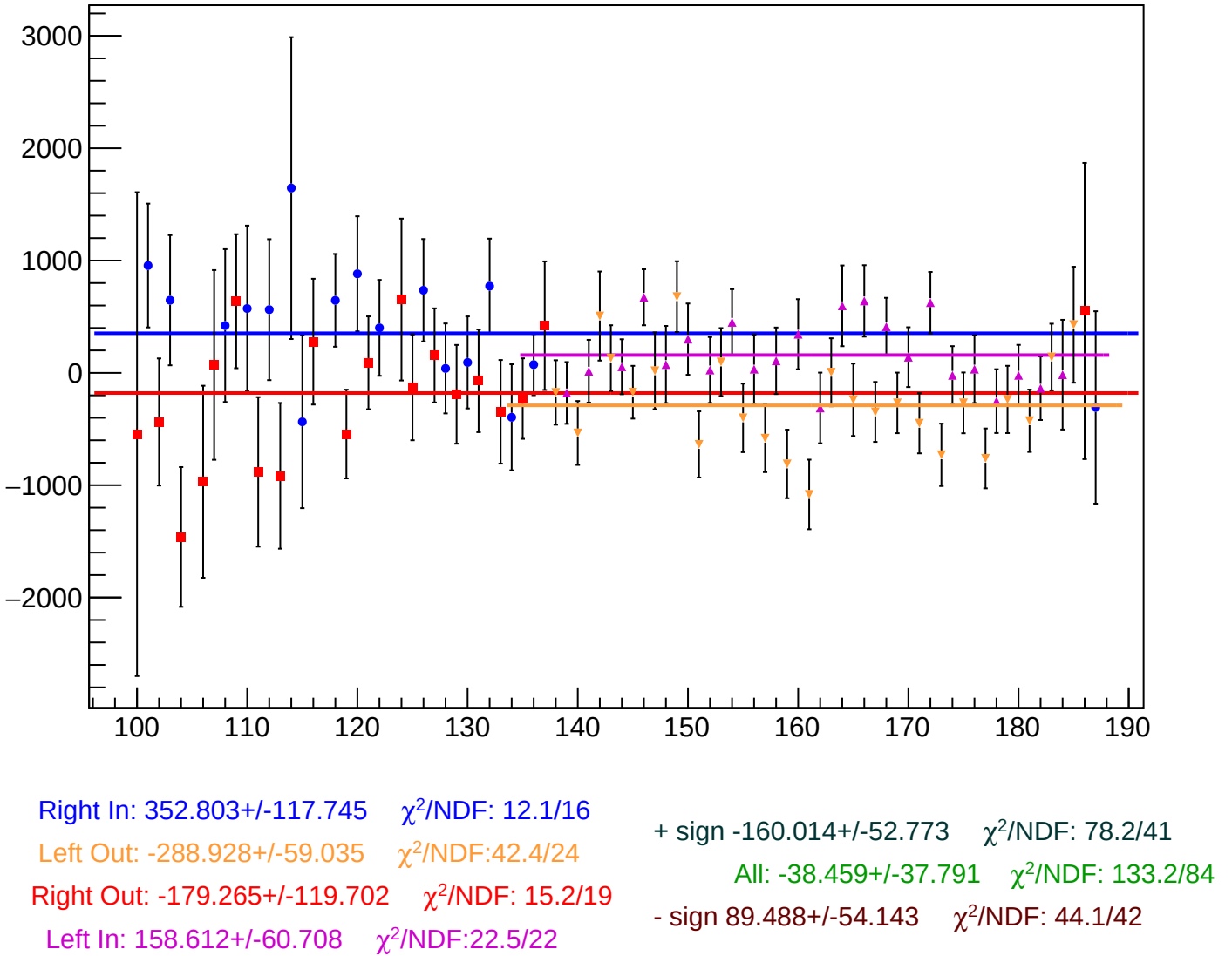
Right Out: 3825.560+/-1.020 χ^2/NDF: 1570576.0/19

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

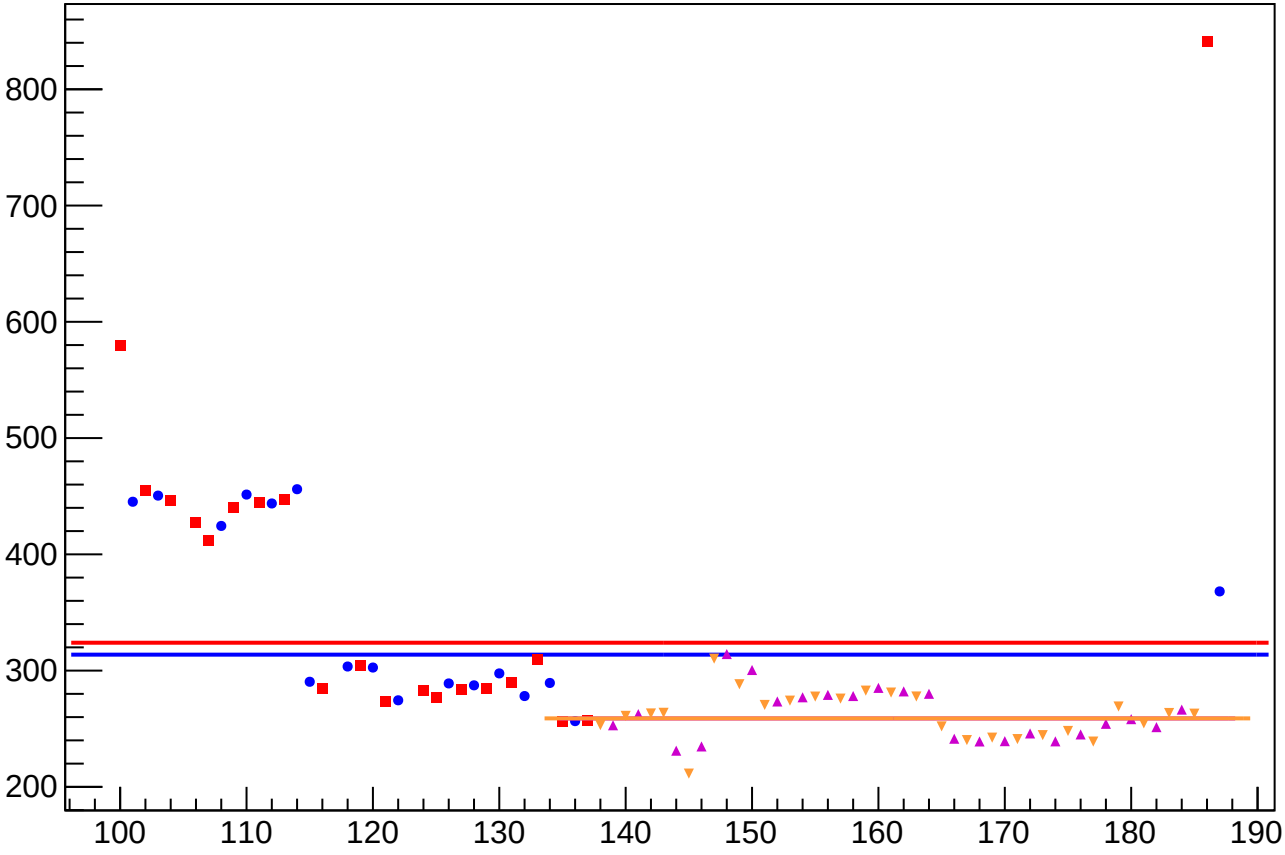
+ sign 2130.087+/-0.305 χ^2/NDF: 4418182.7/41

All: 2149.765+/-0.219 χ^2/NDF: 9509932.0/84

- sign 2170.992+/-0.316 χ^2/NDF: 5083076.3/42


eigen_cor_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 352.803+/-117.745 χ²/NDF: 12.1/16
Left Out: -288.928+/-59.035 χ²/NDF:42.4/24
Right Out: -179.265+/-119.702 χ²/NDF: 15.2/19
Left In: 158.612+/-60.708 χ²/NDF:22.5/22
+ sign -160.014+/-52.773 χ²/NDF: 78.2/41
All: -38.459+/-37.791 χ²/NDF: 133.2/84
- sign 89.488+/-54.143 χ²/NDF: 44.1/42

eigen_cor_asym_sam2_rms vs Slug



Right In: 313.730+/-0.083 χ^2/NDF: 610429.1/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

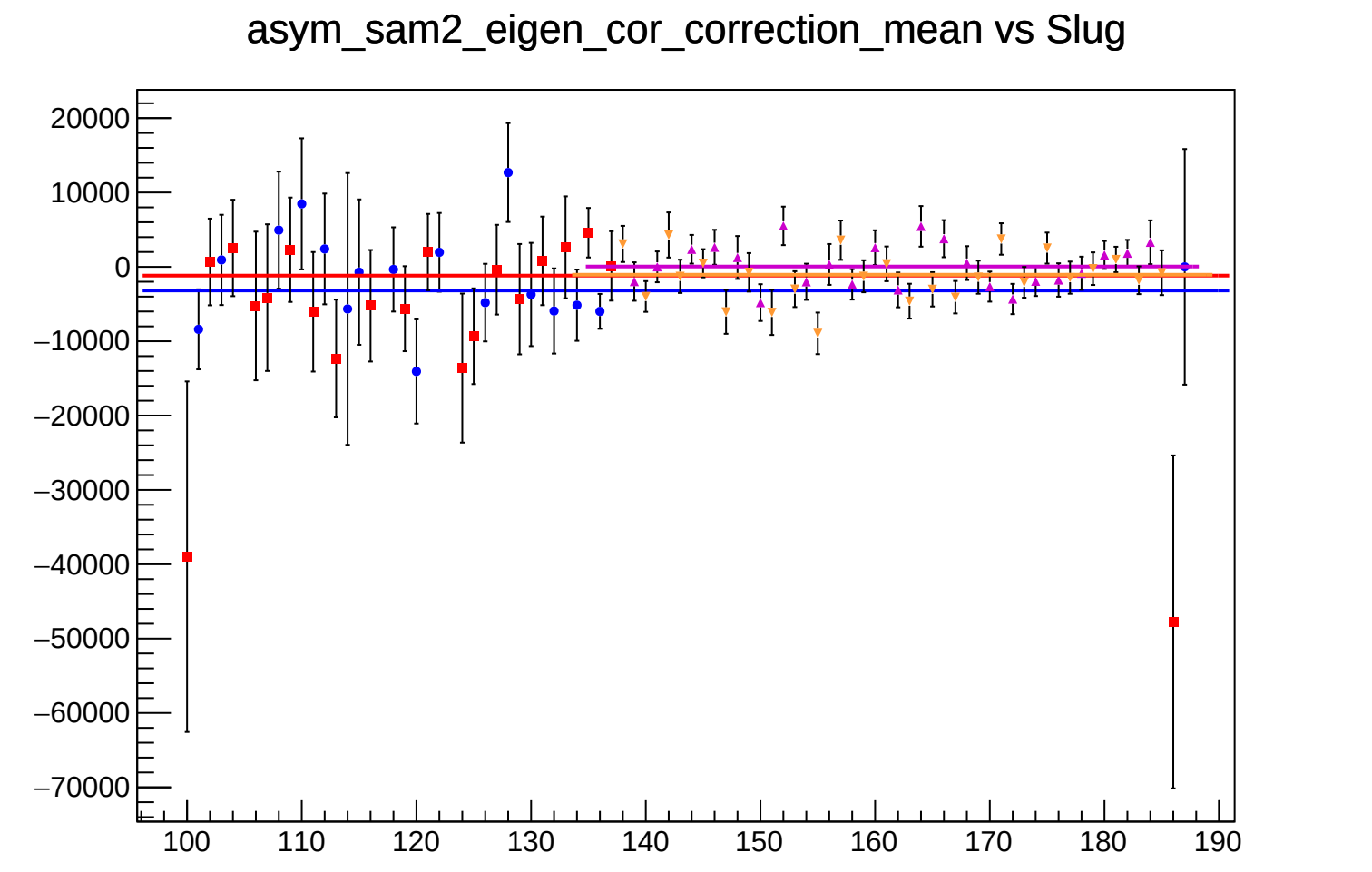
Right Out: 323.988+/-0.085 χ^2/NDF: 1003657.6/19

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 269.924+/-0.037 χ^2/NDF: 1205593.3/41

All: 271.019+/-0.027 χ^2/NDF: 2927149.4/84

- sign 272.171+/-0.038 χ^2/NDF: 1719790.1/42



Right In: -3175.467+/-1348.903 χ^2/NDF: 16.1/16

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1175.023+/-1442.263 χ^2/NDF: 18.3/19

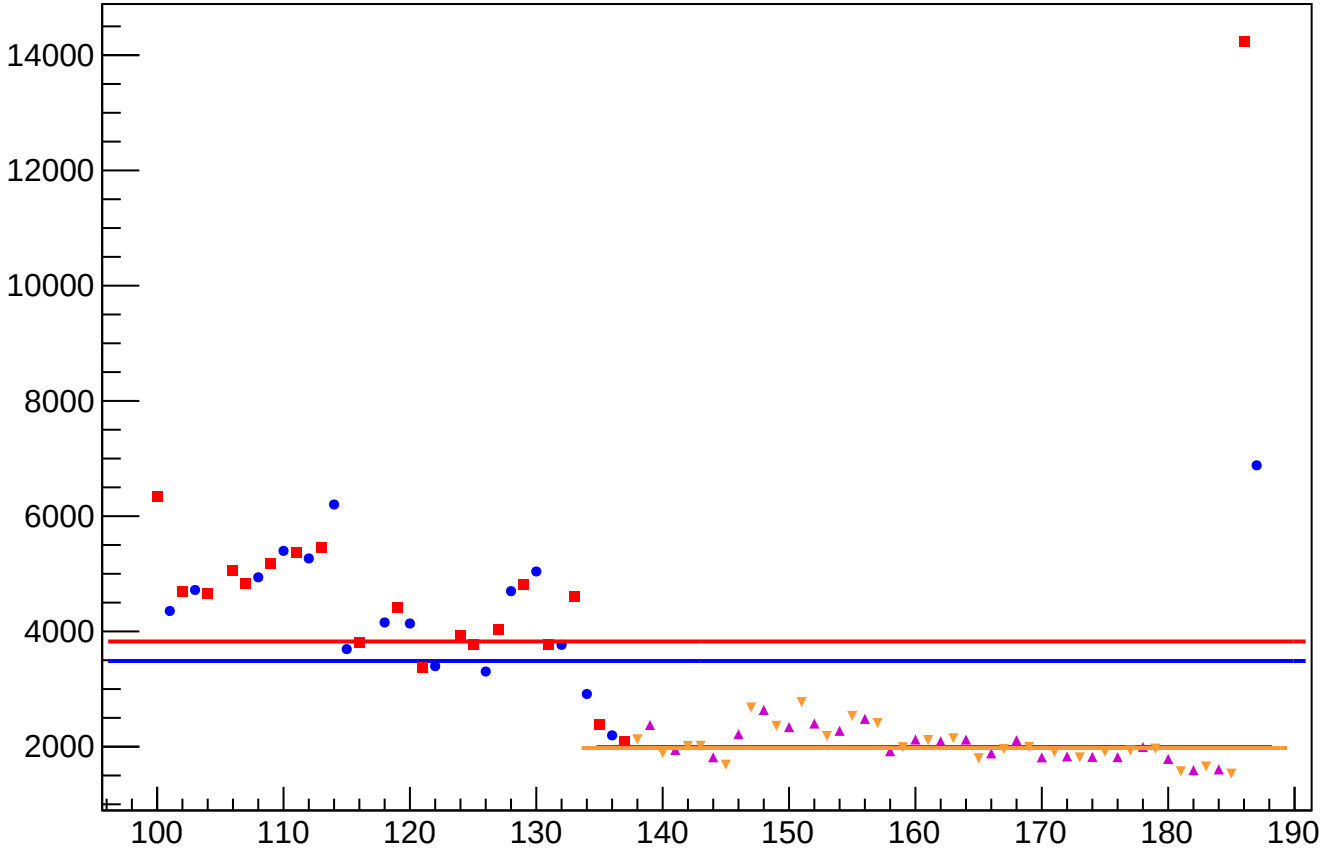
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1275.122+/-430.838 χ^2/NDF: 59.8/41

All: -696.833+/-310.363 χ^2/NDF: 116.7/84

- sign -73.028+/-447.473 χ^2/NDF: 53.1/42

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3486.712+/-0.954 χ^2/NDF: 1402071.1/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3825.560+/-1.020 χ^2/NDF: 1570576.0/19

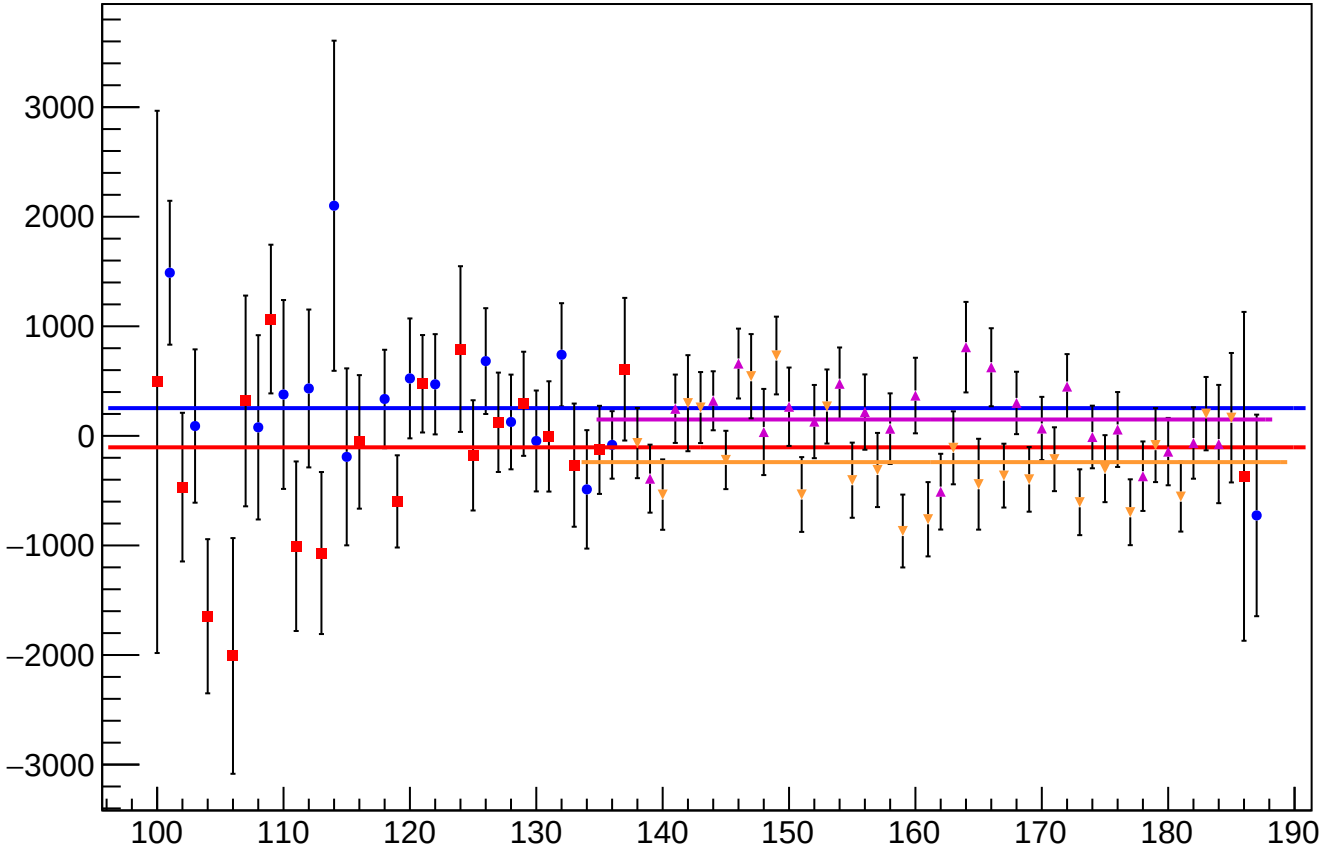
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2130.087+/-0.305 χ^2/NDF: 4418182.7/41

All: 2149.765+/-0.219 χ^2/NDF: 9509932.0/84

- sign 2170.992+/-0.316 χ^2/NDF: 5083076.3/42

dit_asym_sam2_mean vs Slug



Right In: 253.246+/-131.182 χ^2/NDF: 12.6/16

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -104.469+/-133.080 χ^2/NDF: 21.3/19

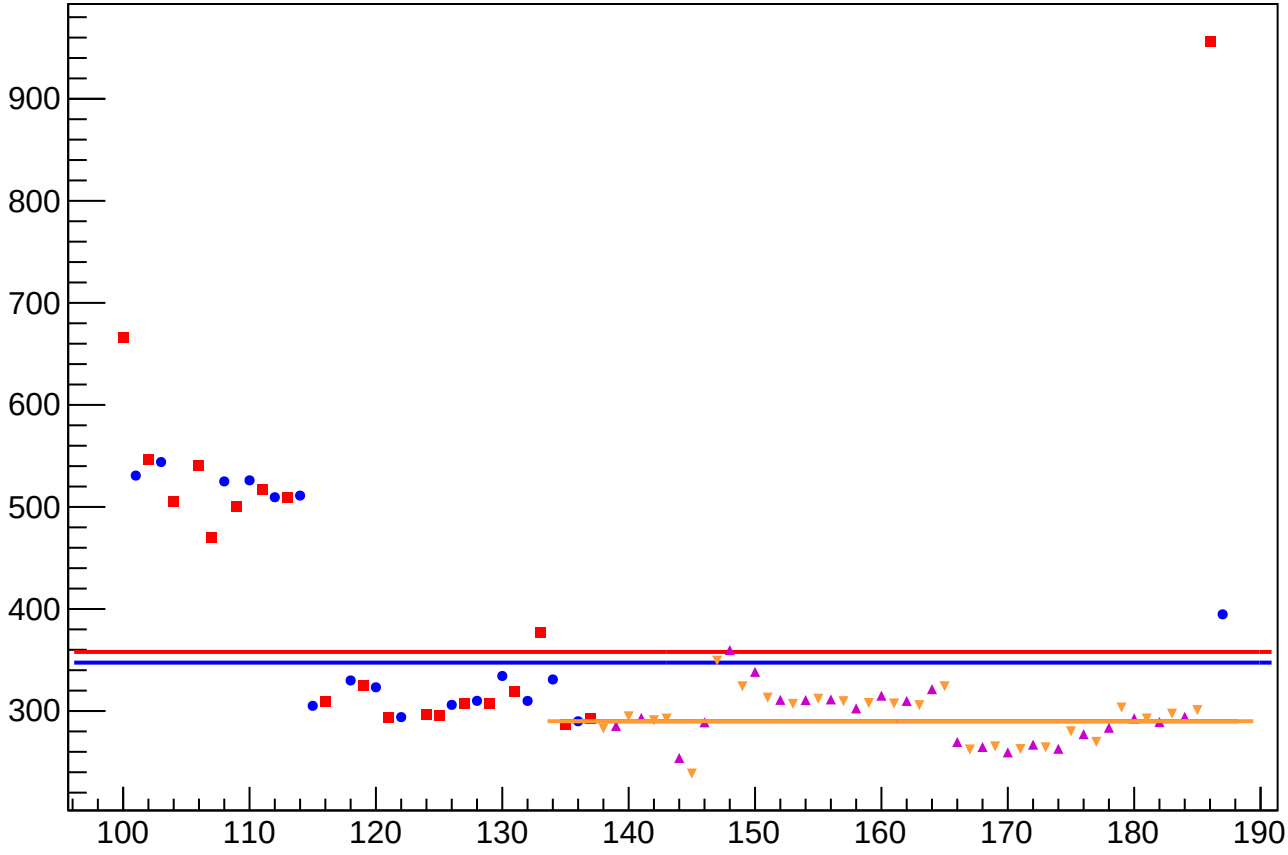
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -139.604+/-59.078 χ^2/NDF: 57.9/41

All: -24.567+/-42.324 χ^2/NDF: 111.6/84

- sign 96.737+/-60.666 χ^2/NDF: 45.9/42

dit_asym_sam2_rms vs Slug



Right In: 347.437+/-0.093 χ^2/NDF: 774164.2/16

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 357.918+/-0.094 χ^2/NDF: 1186486.3/19

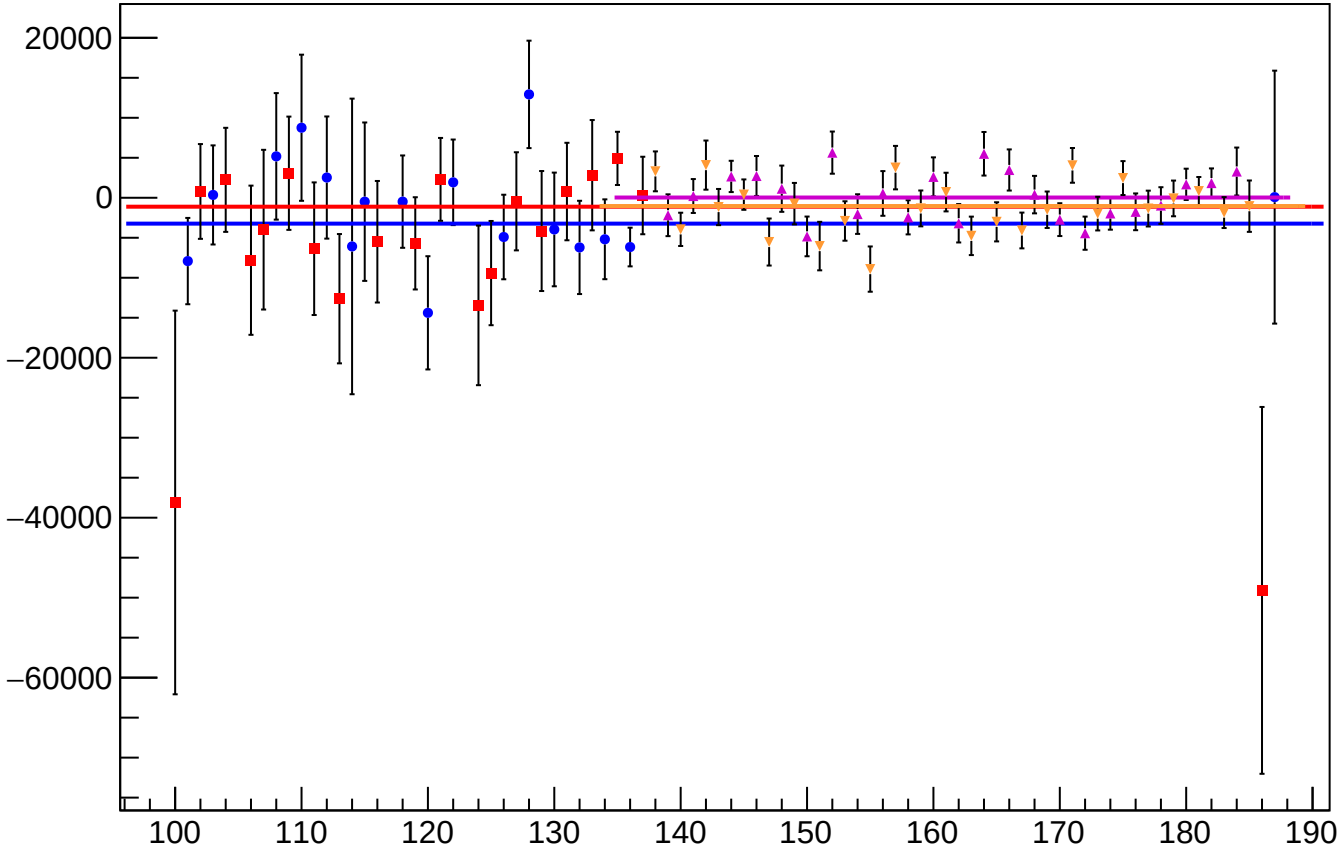
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 301.667+/-0.042 χ^2/NDF: 1360219.1/41

All: 302.835+/-0.030 χ^2/NDF: 3231370.6/84

- sign 304.067+/-0.043 χ^2/NDF: 1869544.8/42

asym_sam2_dit_correction_mean vs Slug



Right In: -3233.456+/-1378.867 χ^2/NDF: 16.1/16

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1115.821+/-1457.773 χ^2/NDF: 19.0/19

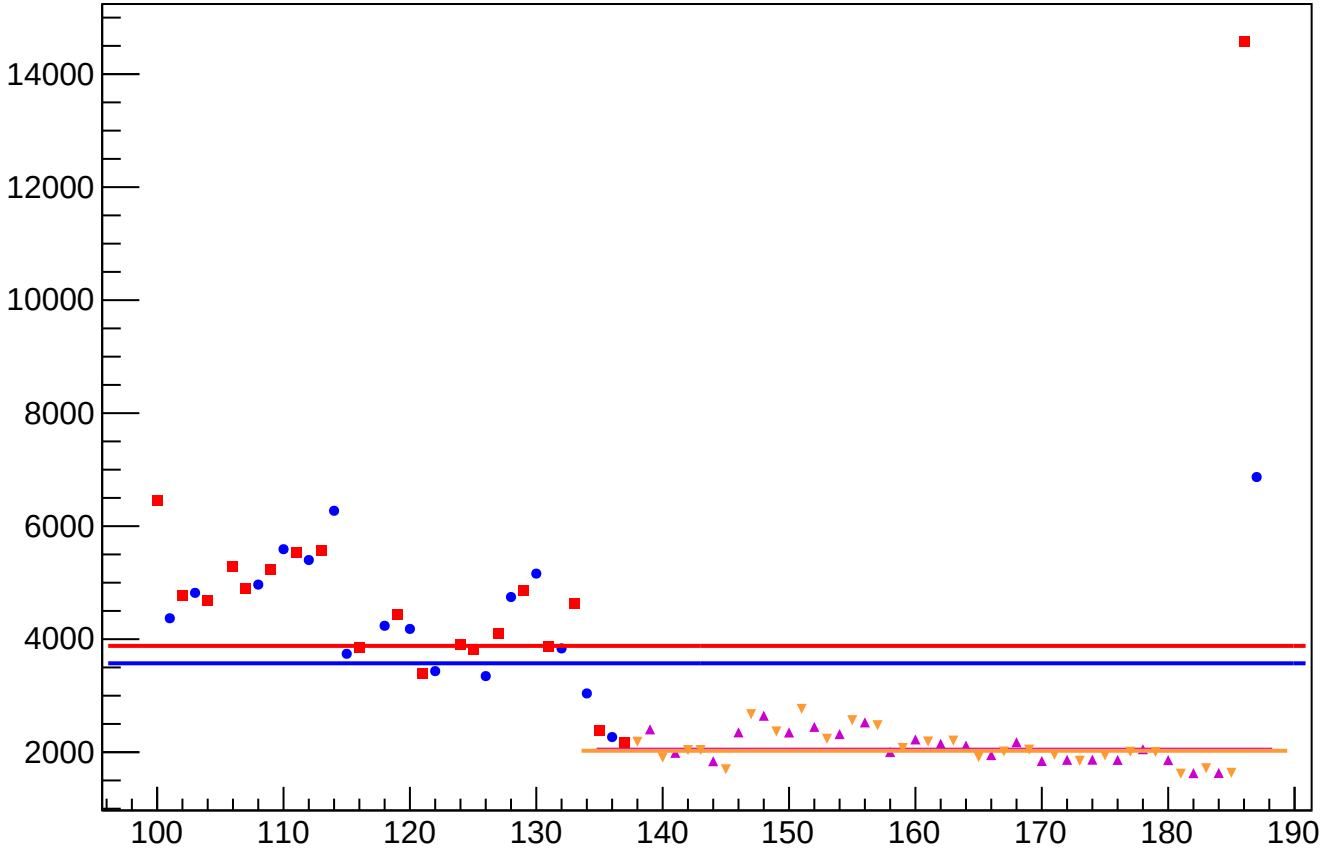
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1261.201+/-440.895 χ^2/NDF: 58.6/41

All: -694.198+/-317.593 χ^2/NDF: 115.8/84

- sign -82.684+/-457.873 χ^2/NDF: 53.7/42

asym_sam2_dit_correction_rms vs Slug



Right In: 3573.225+/-0.975 χ^2/NDF: 1346061.4/16

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

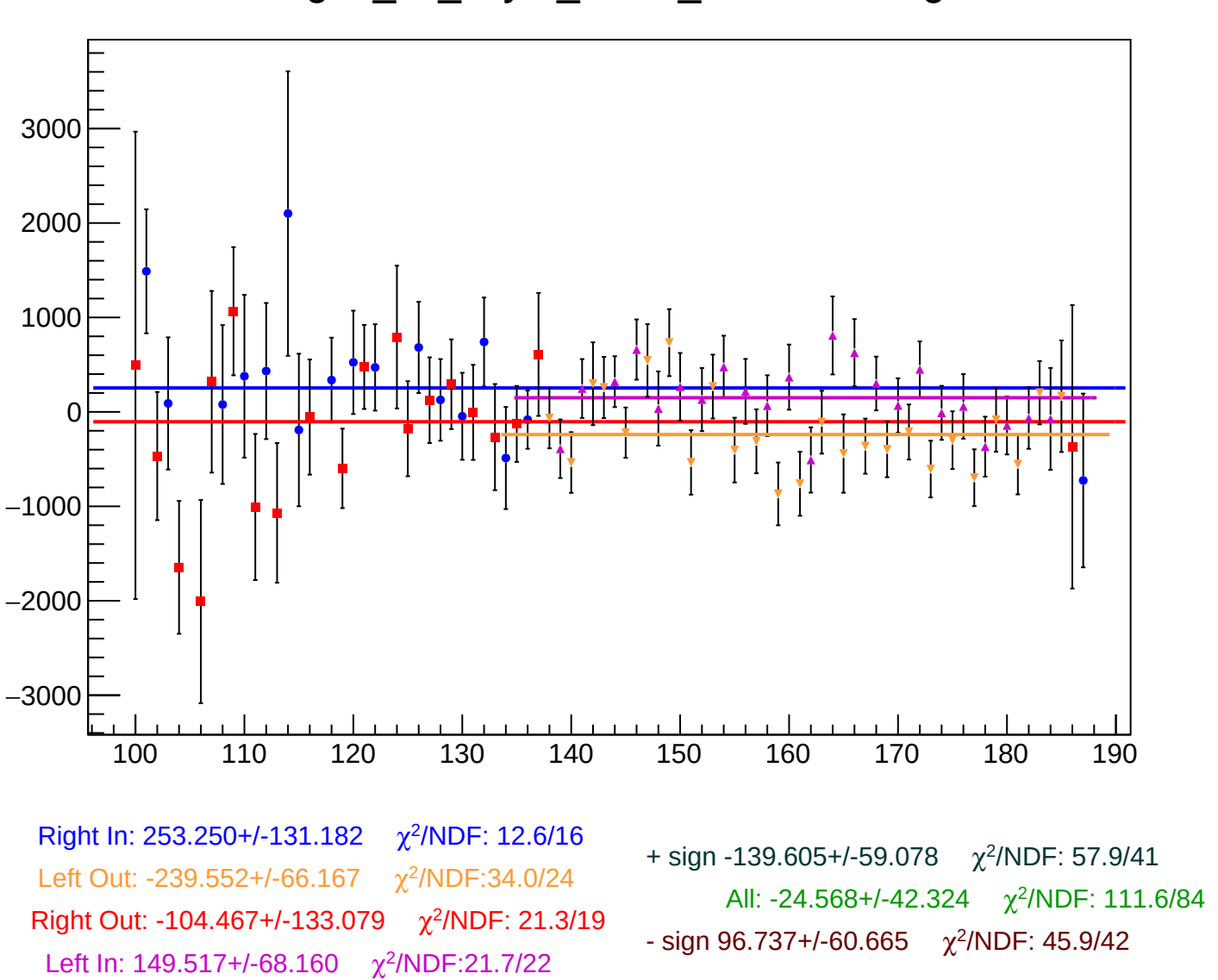
Right Out: 3881.357+/-1.031 χ^2/NDF: 1592524.9/19

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

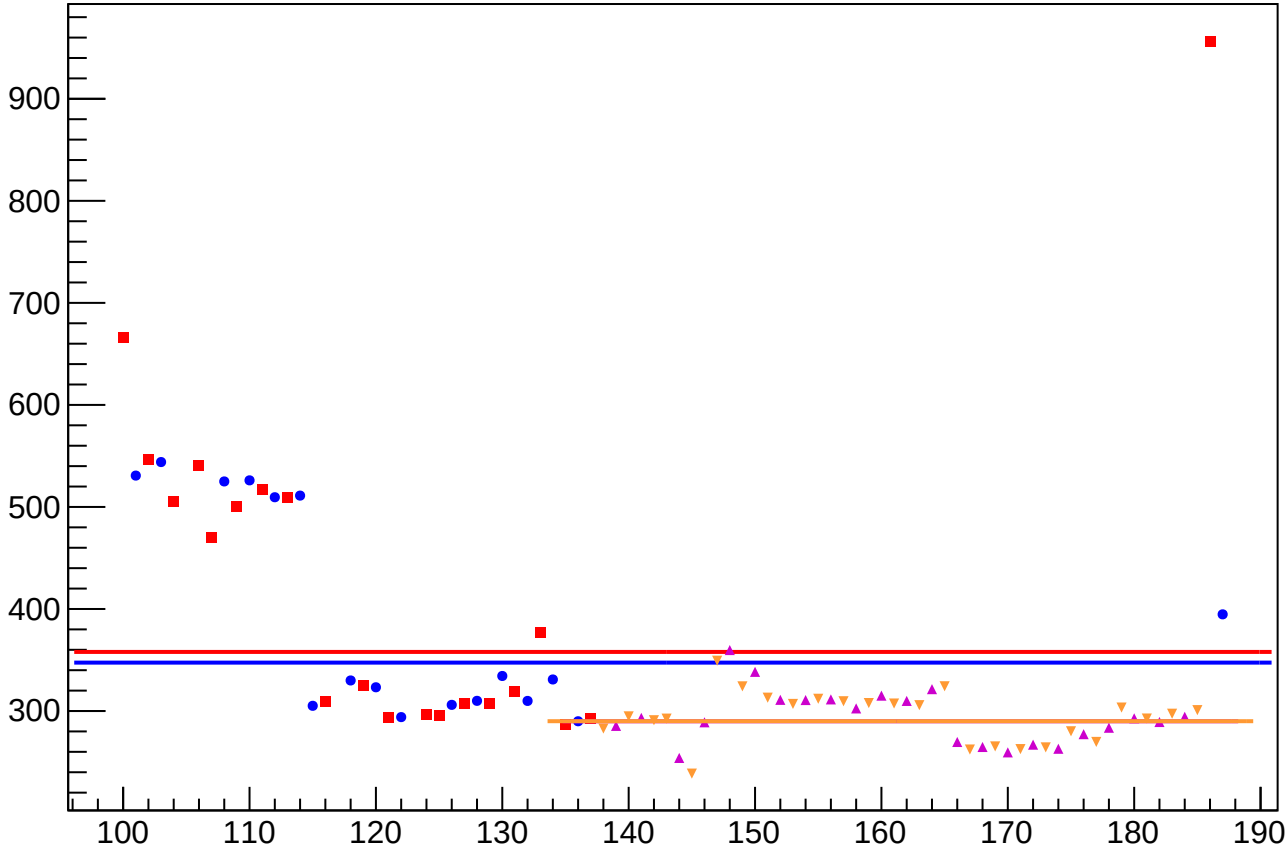
+ sign 2183.368+/-0.312 χ^2/NDF: 4310303.1/41

All: 2203.750+/-0.225 χ^2/NDF: 9358713.3/84

- sign 2225.732+/-0.324 χ^2/NDF: 5039526.4/42


eigen_dit_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: 253.250+/-131.182 χ²/NDF: 12.6/16
Left Out: -239.552+/-66.167 χ²/NDF:34.0/24
Right Out: -104.467+/-133.079 χ²/NDF: 21.3/19
Left In: 149.517+/-68.160 χ²/NDF:21.7/22
+ sign -139.605+/-59.078 χ²/NDF: 57.9/41
All: -24.568+/-42.324 χ²/NDF: 111.6/84
- sign 96.737+/-60.665 χ²/NDF: 45.9/42

eigen_dit_asym_sam2_rms vs Slug



Right In: 347.435+/-0.093 χ^2/NDF: 774156.5/16

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 357.917+/-0.094 χ^2/NDF: 1186474.0/19

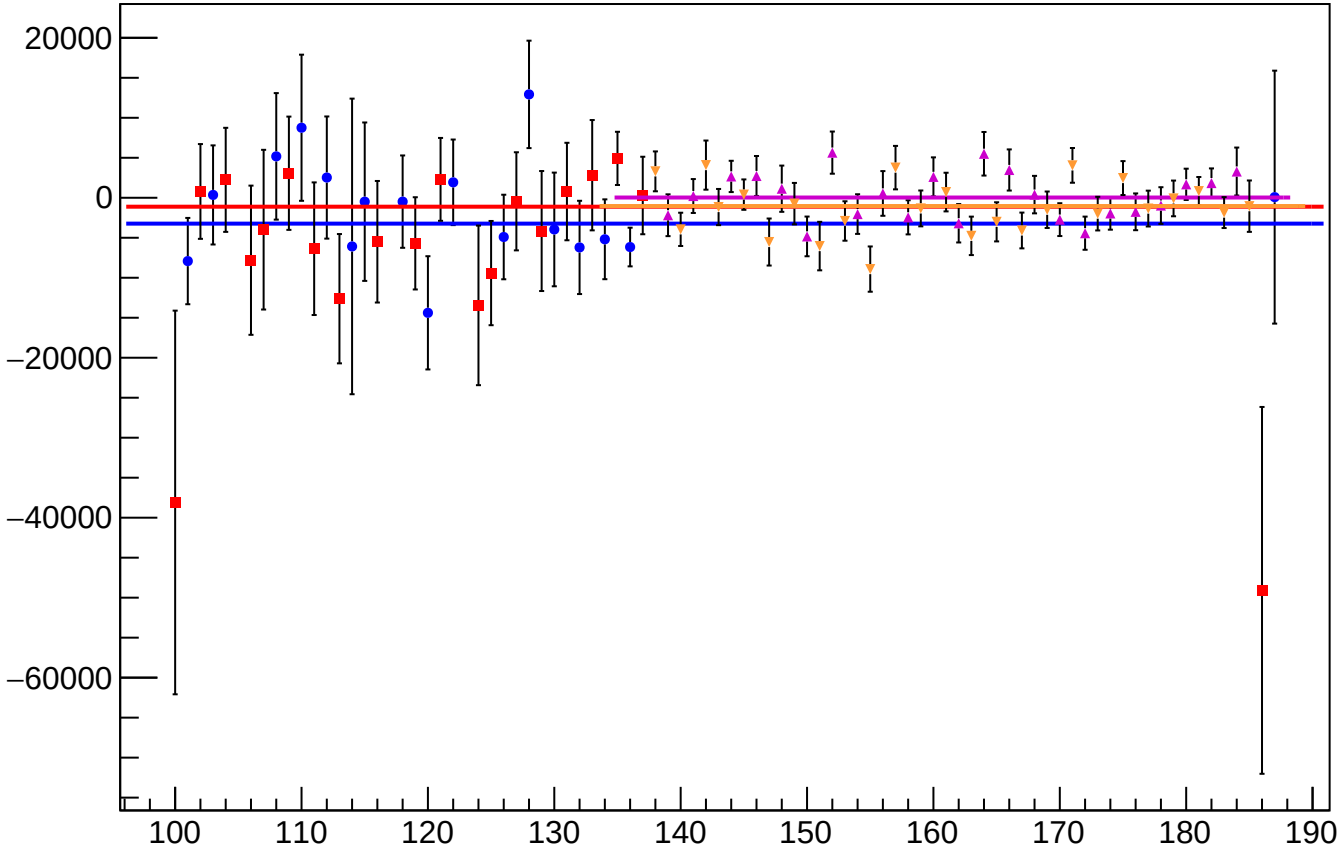
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 301.667+/-0.042 χ^2/NDF: 1360198.0/41

All: 302.835+/-0.030 χ^2/NDF: 3231327.0/84

- sign 304.067+/-0.043 χ^2/NDF: 1869522.3/42

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -3233.448+/-1378.865 χ^2/NDF: 16.1/16

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1115.825+/-1457.771 χ^2/NDF: 19.0/19

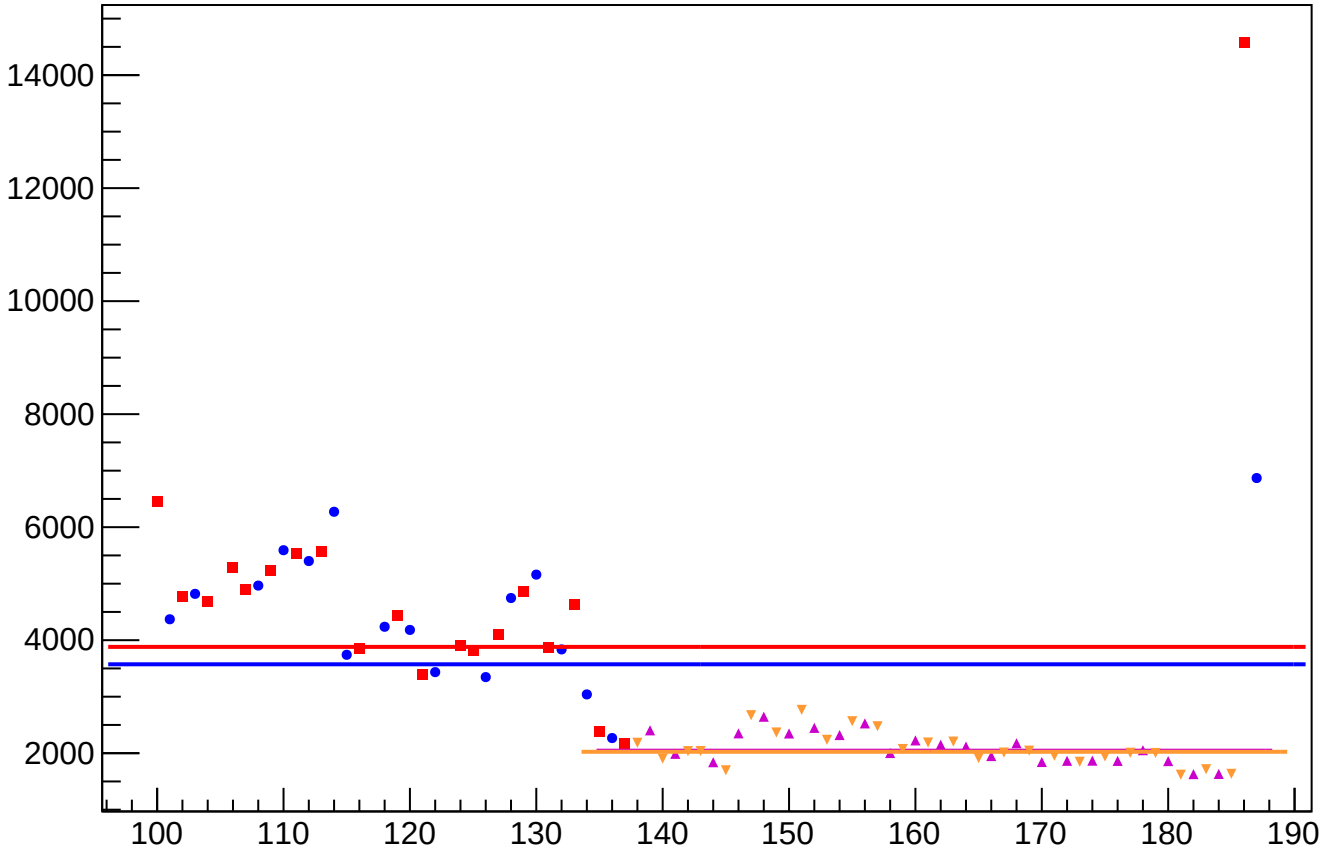
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1261.201+/-440.895 χ^2/NDF: 58.6/41

All: -694.199+/-317.593 χ^2/NDF: 115.8/84

- sign -82.686+/-457.873 χ^2/NDF: 53.7/42

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 3573.221+/-0.975 χ^2/NDF: 1346047.4/16

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 3881.352+/-1.031 χ^2/NDF: 1592514.6/19

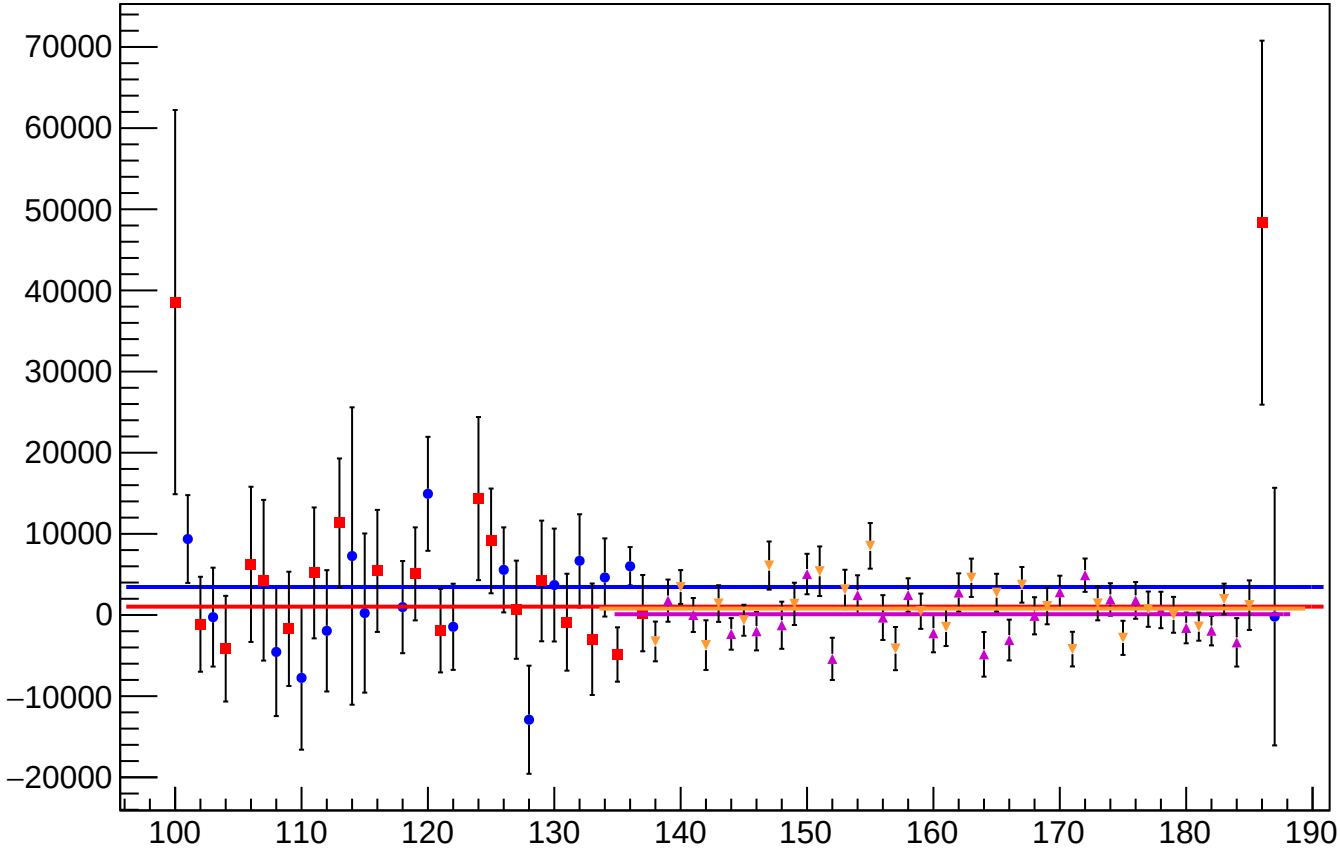
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2183.369+/-0.312 χ^2/NDF: 4310287.9/41

All: 2203.750+/-0.225 χ^2/NDF: 9358685.9/84

- sign 2225.732+/-0.324 χ^2/NDF: 5039514.4/42

asym_sam2_mean vs Slug



Right In: 3451.567+/-1355.387 χ^2/NDF: 16.4/16

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1030.271+/-1446.630 χ^2/NDF: 18.5/19

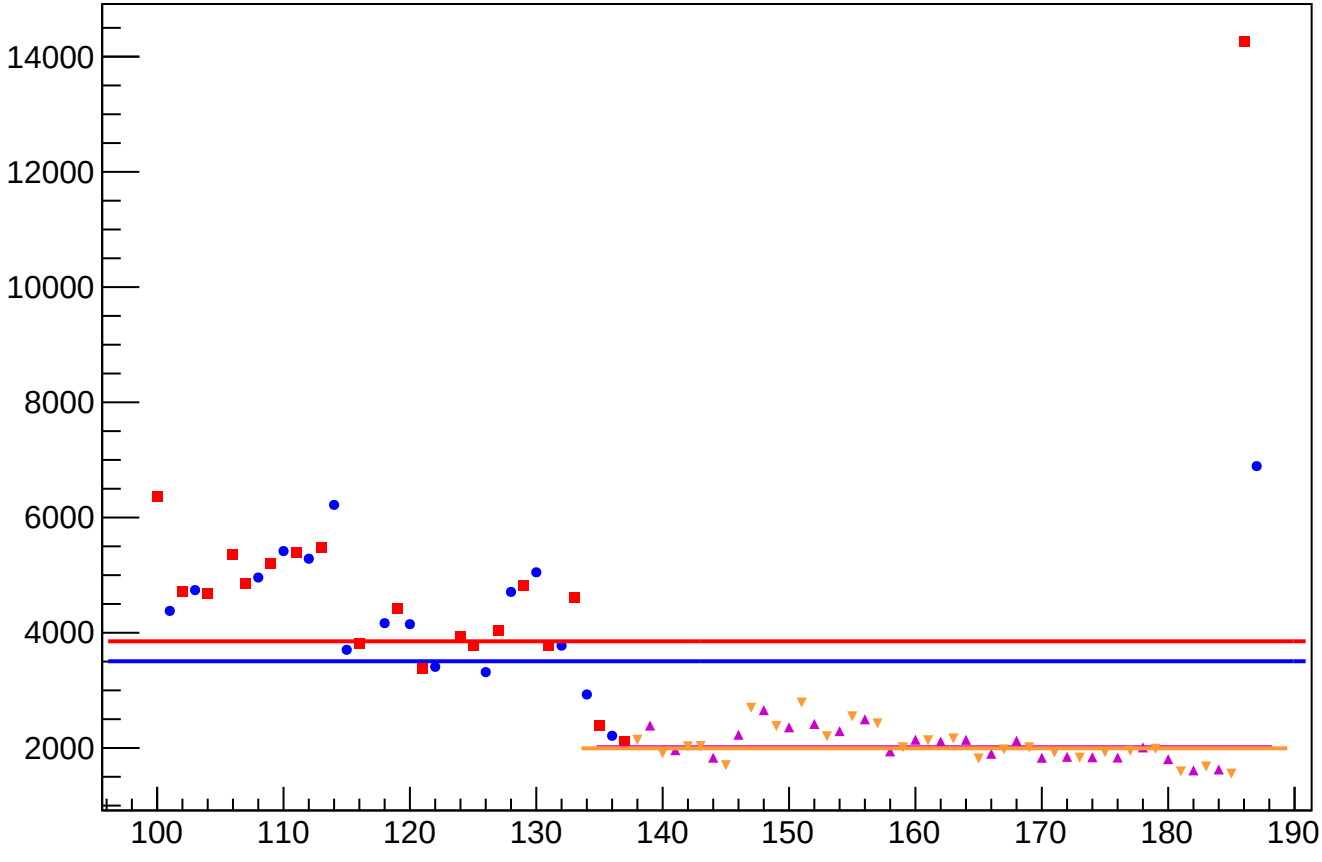
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1062.033+/-434.514 χ^2/NDF: 61.2/41

All: 641.193+/-312.962 χ^2/NDF: 114.8/84

- sign 187.523+/-451.145 χ^2/NDF: 51.7/42

asym_sam2_rms vs Slug



Right In: 3505.442+/-0.958 χ^2/NDF: 1388400.2/16

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

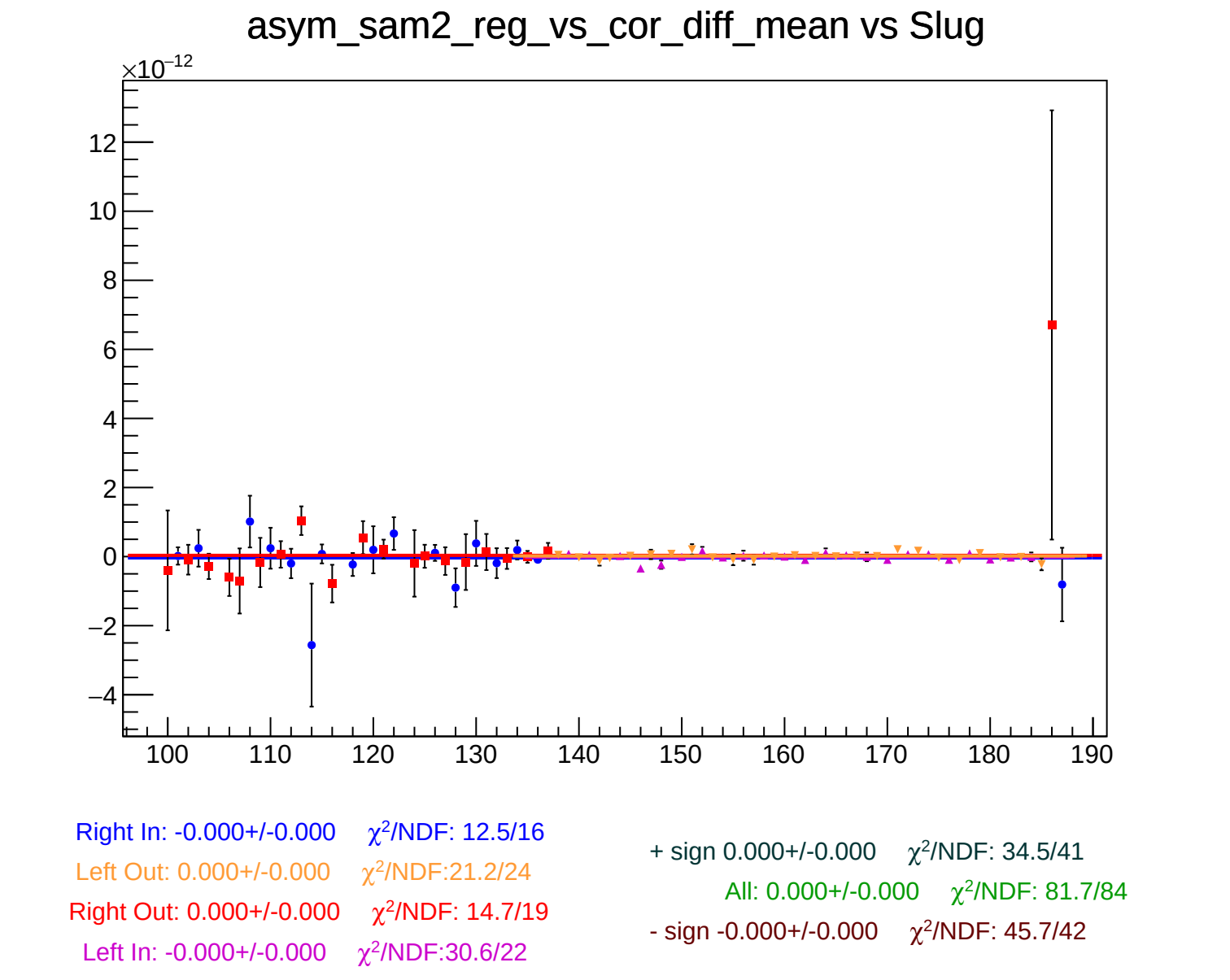
Right Out: 3851.642+/-1.023 χ^2/NDF: 1580230.3/19

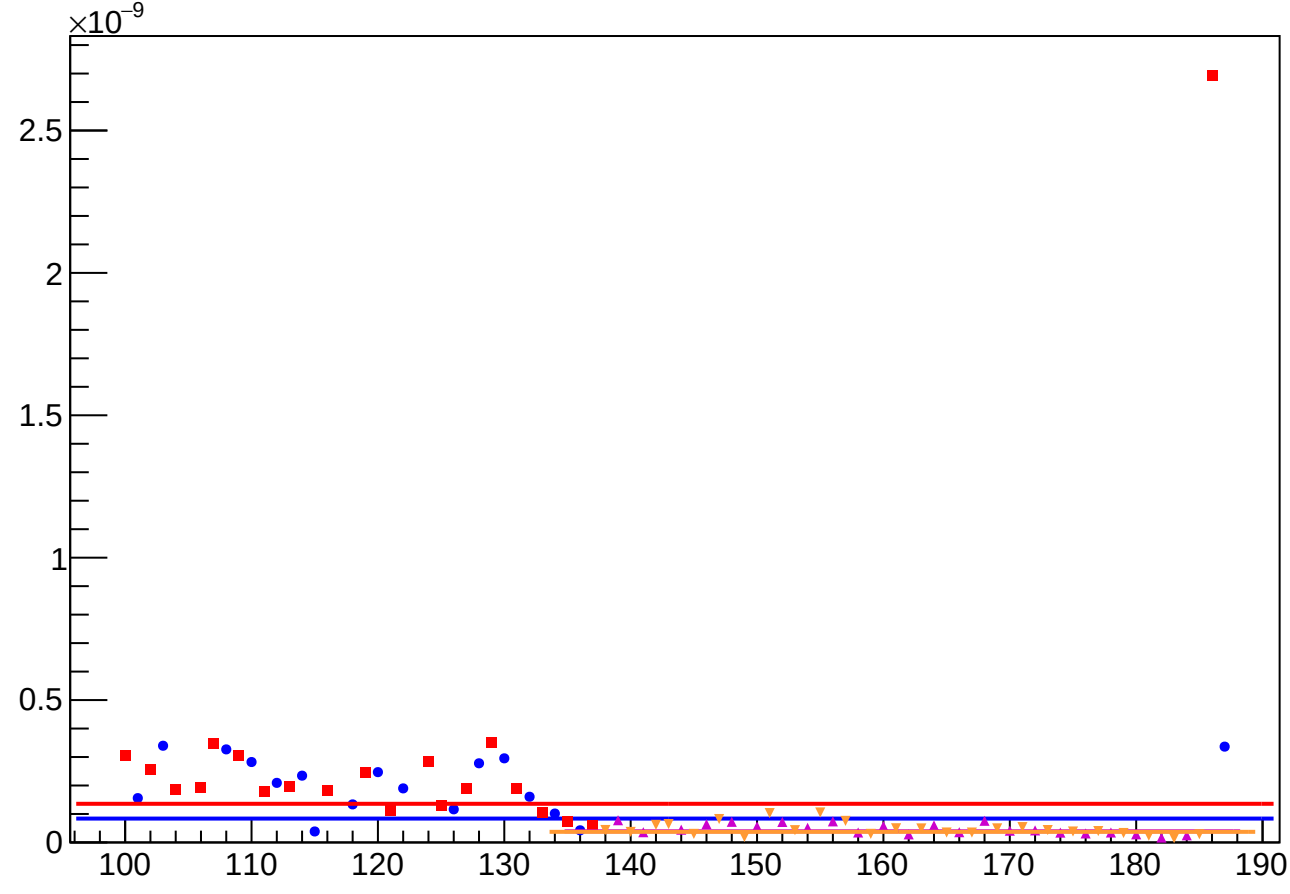
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2149.557+/-0.307 χ^2/NDF: 4365630.4/41

All: 2169.761+/-0.221 χ^2/NDF: 9459664.8/84

- sign 2191.541+/-0.319 χ^2/NDF: 5085048.8/42


asym_sam2_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 12.5/16
Left Out: 0.000+/-0.000 χ²/NDF:21.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 14.7/19
Left In: -0.000+/-0.000 χ²/NDF:30.6/22
+ sign 0.000+/-0.000 χ²/NDF: 34.5/41
All: 0.000+/-0.000 χ²/NDF: 81.7/84
- sign -0.000+/-0.000 χ²/NDF: 45.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2815254.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1740518.0/19

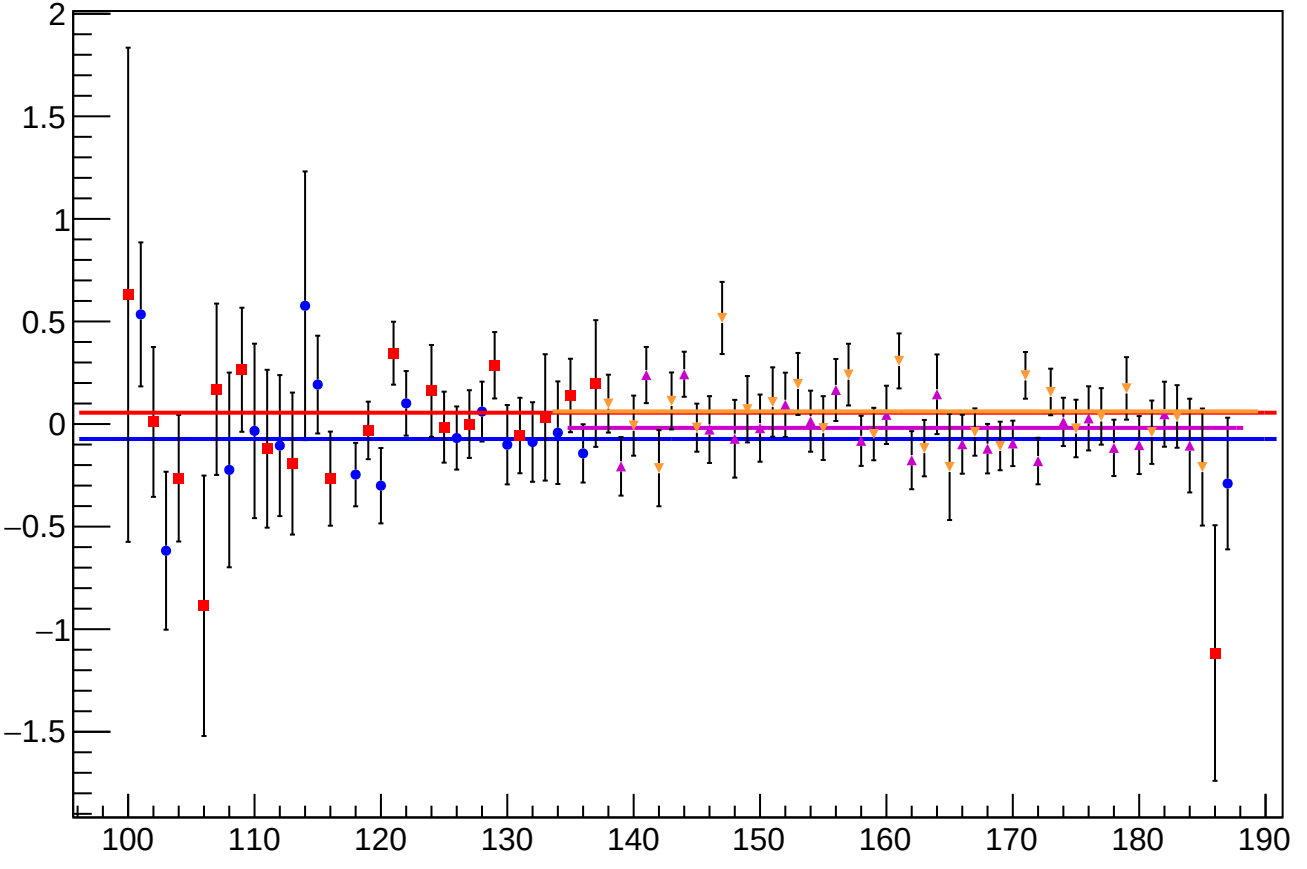
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6251177.1/41

All: 0.000+/-0.000 χ^2/NDF: 12438678.2/84

- sign 0.000+/-0.000 χ^2/NDF: 6160974.7/42

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.055+/-0.051 χ^2/NDF: 17.6/19

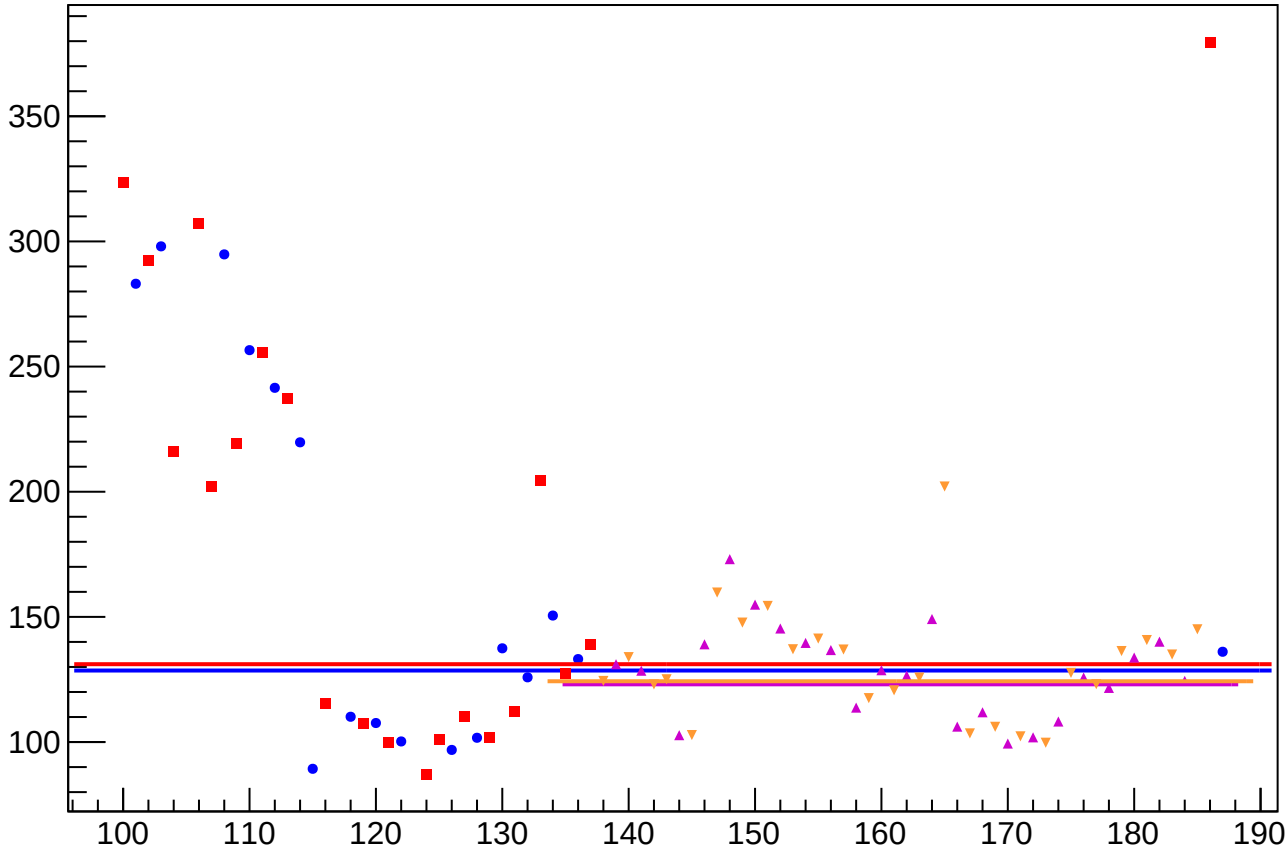
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.029+/-0.025 χ^2/NDF: 45.6/41

All: 0.015+/-0.018 χ^2/NDF: 85.8/84

- sign -0.001+/-0.025 χ^2/NDF: 39.5/42

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 128.575+/-0.036 χ^2/NDF: 1806198.3/16

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 131.104+/-0.036 χ^2/NDF: 2208145.2/19

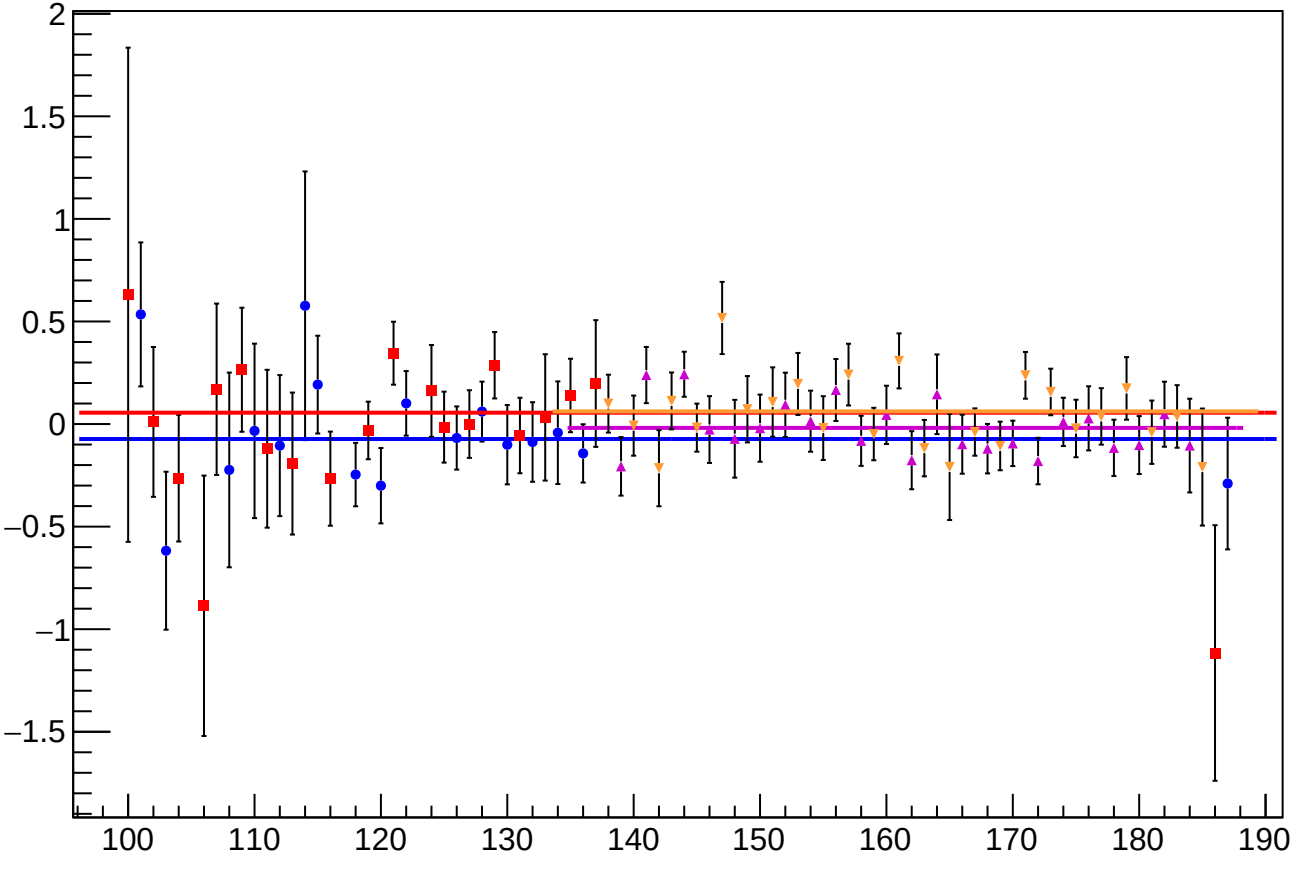
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.317+/-0.018 χ^2/NDF: 2657864.3/41

All: 125.179+/-0.013 χ^2/NDF: 5621841.7/84

- sign 125.035+/-0.018 χ^2/NDF: 2963852.0/42

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.055+/-0.051 χ^2/NDF: 17.6/19

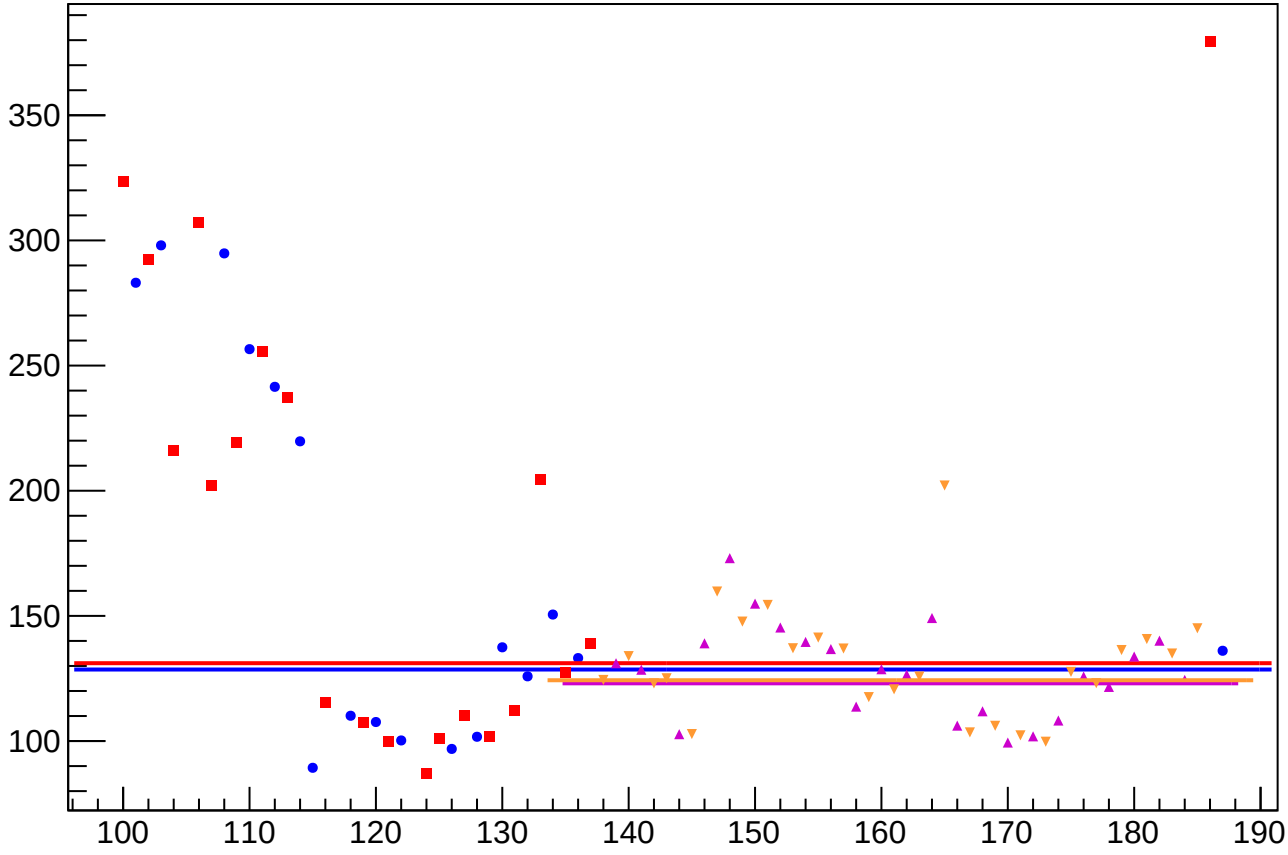
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.029+/-0.025 χ^2/NDF: 45.6/41

All: 0.015+/-0.018 χ^2/NDF: 85.8/84

- sign -0.001+/-0.025 χ^2/NDF: 39.5/42

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.575+/-0.036 χ^2/NDF: 1806198.3/16

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

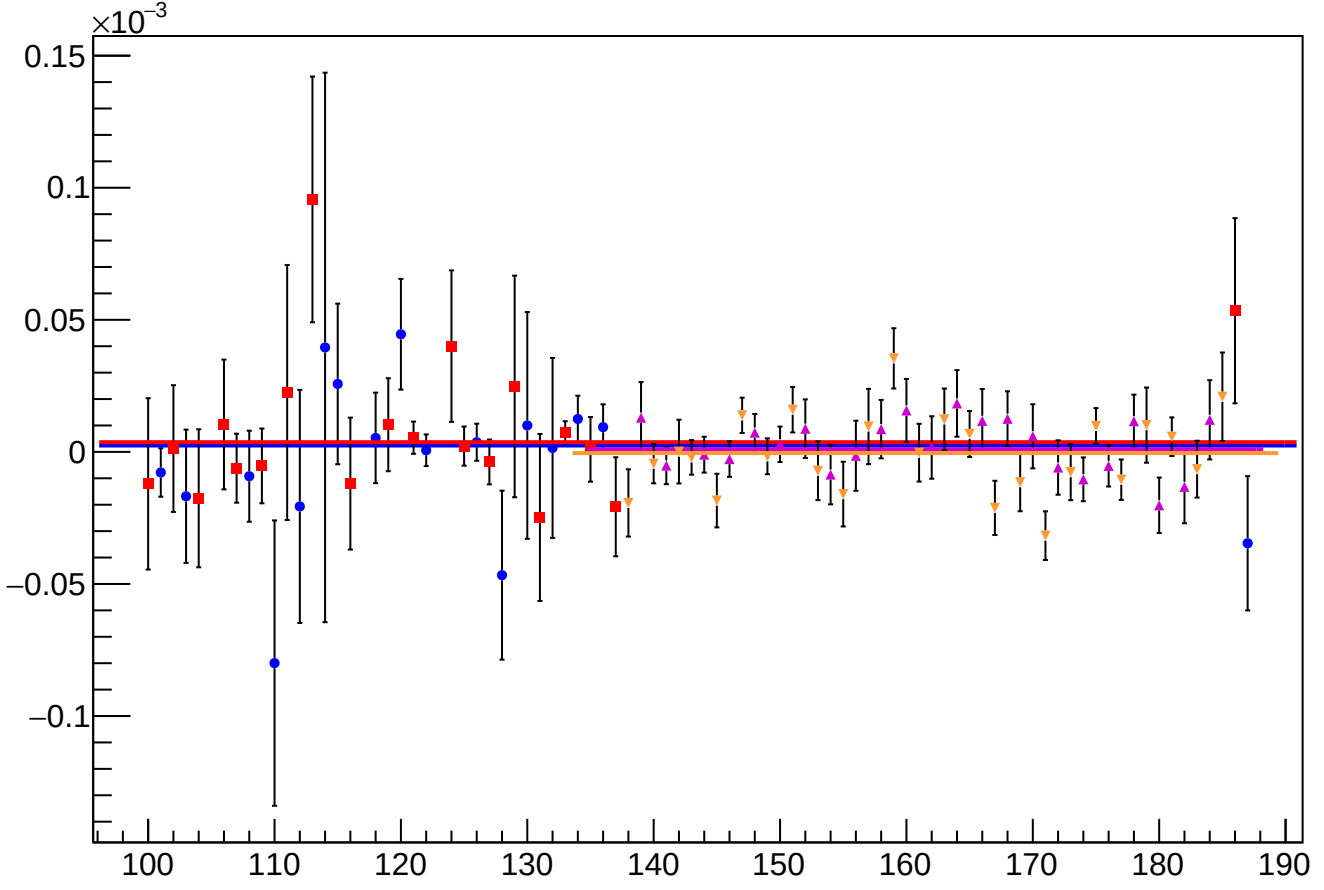
Right Out: 131.104+/-0.036 χ^2/NDF: 2208145.2/19

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 125.317+/-0.018 χ^2/NDF: 2657864.3/41

All: 125.179+/-0.013 χ^2/NDF: 5621841.7/84

- sign 125.035+/-0.018 χ^2/NDF: 2963852.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

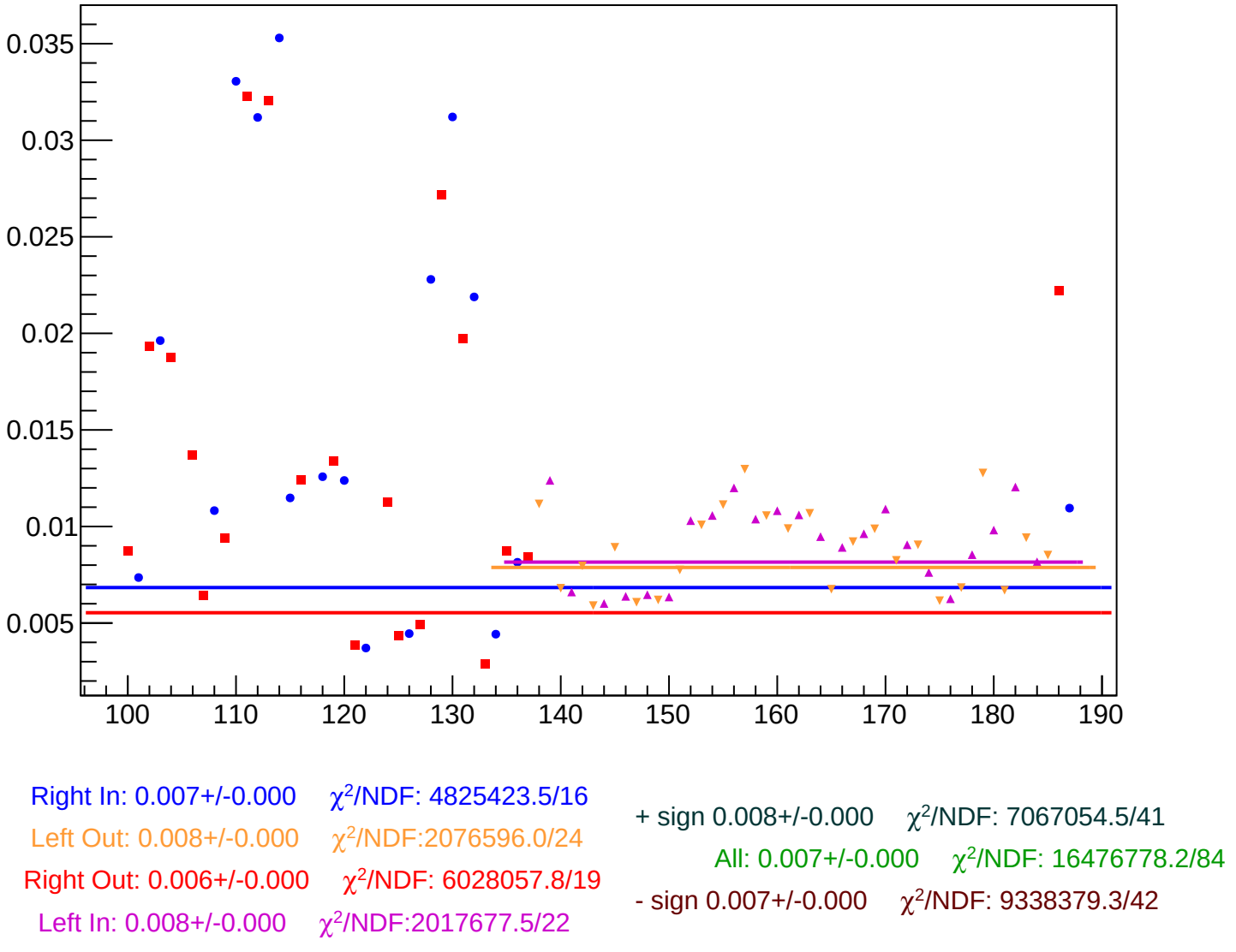
Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/19

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

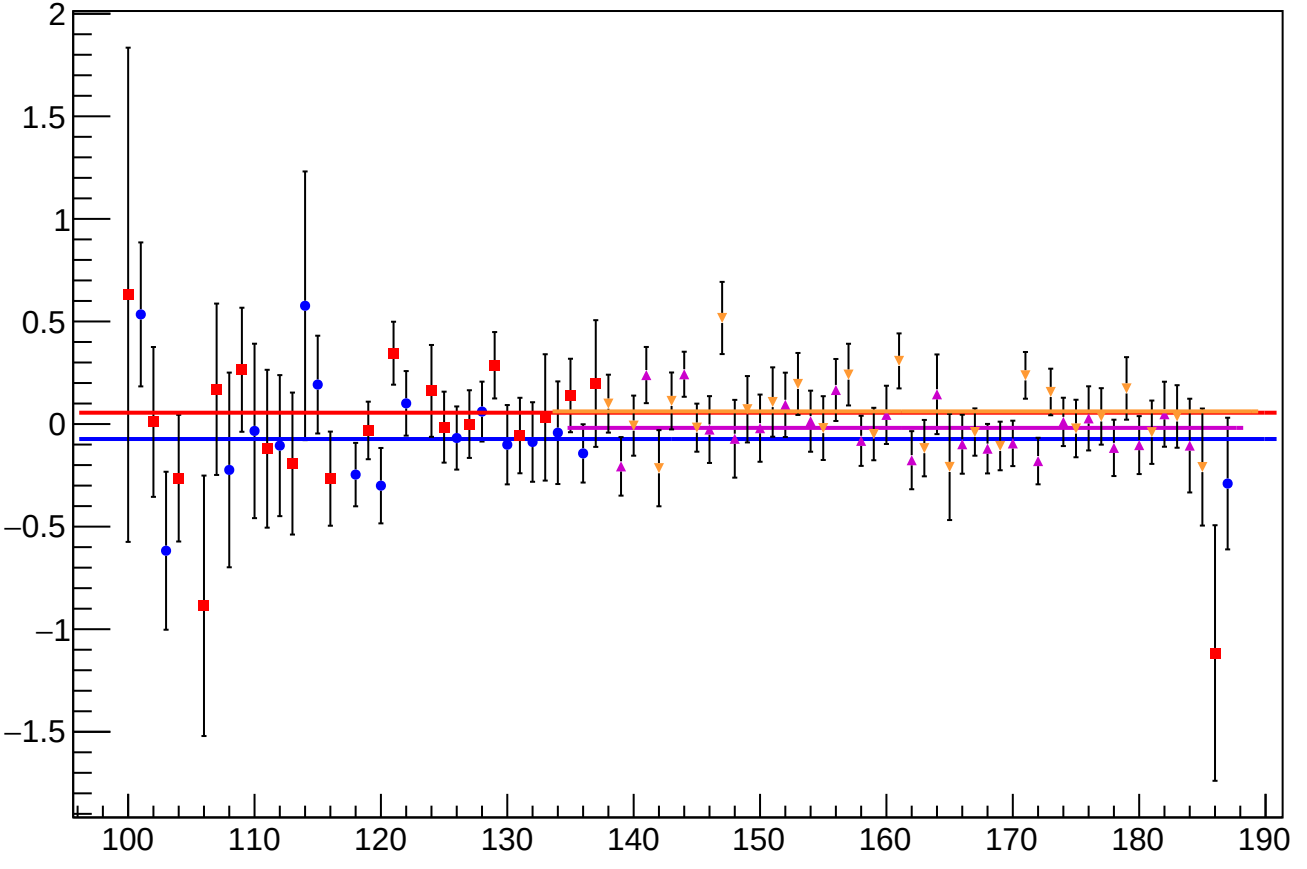
+ sign 0.000+/-0.000 χ^2/NDF: 69.3/41

All: 0.000+/-0.000 χ^2/NDF: 105.1/84

- sign 0.000+/-0.000 χ^2/NDF: 35.2/42


asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.007+/-0.000 χ²/NDF: 4825423.5/16
Left Out: 0.008+/-0.000 χ²/NDF:2076596.0/24
Right Out: 0.006+/-0.000 χ²/NDF: 6028057.8/19
Left In: 0.008+/-0.000 χ²/NDF:2017677.5/22
+ sign 0.008+/-0.000 χ²/NDF: 7067054.5/41
All: 0.007+/-0.000 χ²/NDF: 16476778.2/84
- sign 0.007+/-0.000 χ²/NDF: 9338379.3/42

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.055+/-0.051 χ^2/NDF: 17.6/19

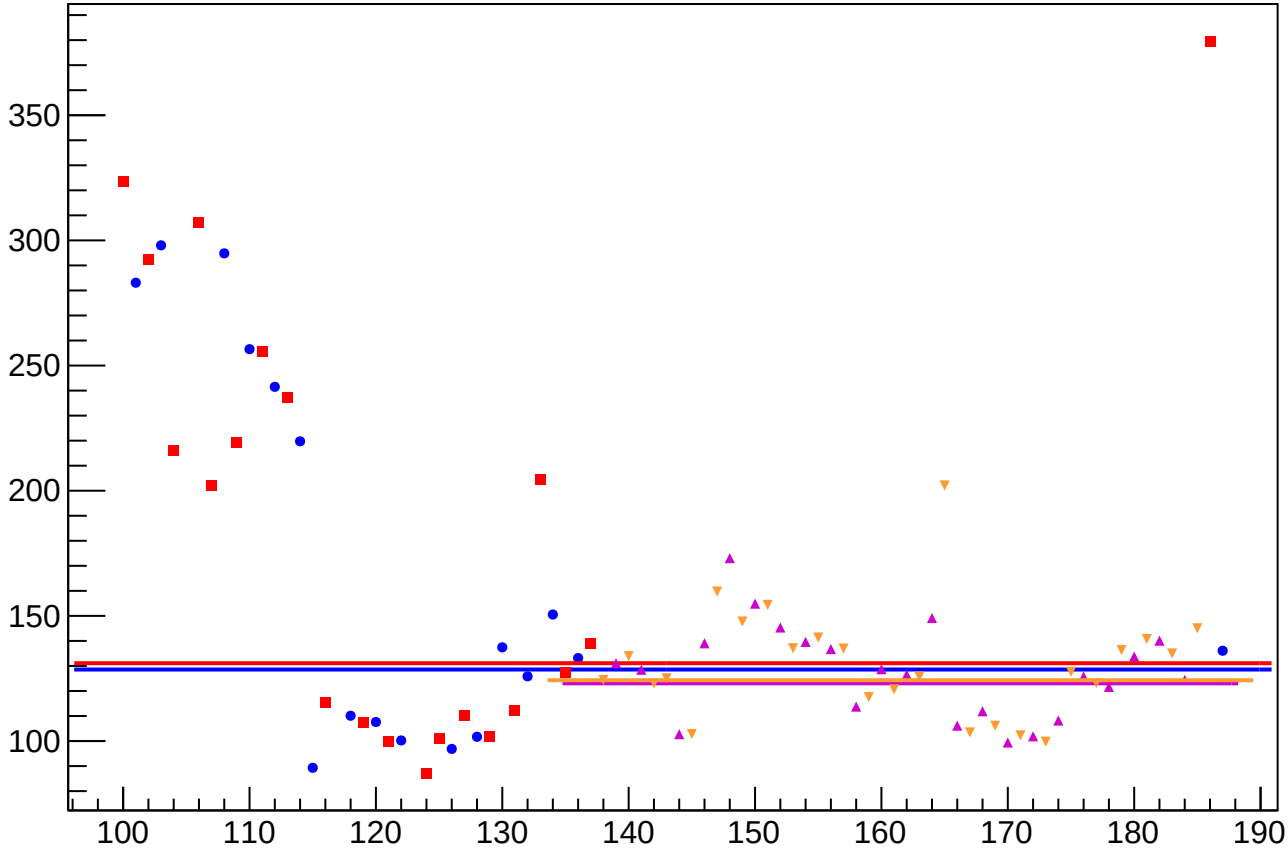
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.029+/-0.025 χ^2/NDF: 45.6/41

All: 0.015+/-0.018 χ^2/NDF: 85.8/84

- sign -0.001+/-0.025 χ^2/NDF: 39.5/42

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.572+/-0.036 χ^2/NDF: 1806148.2/16

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

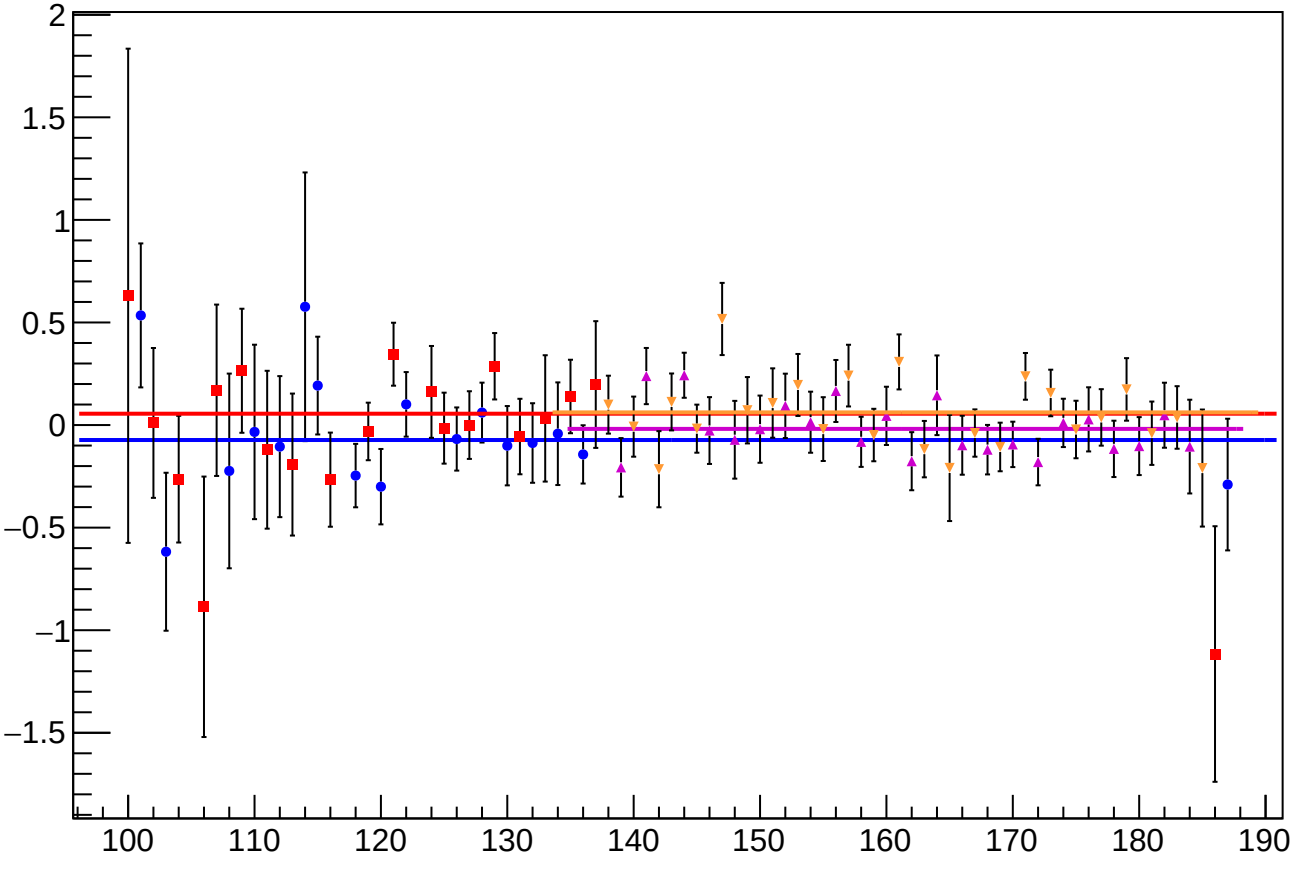
Right Out: 131.101+/-0.036 χ^2/NDF: 2208141.3/19

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.317+/-0.018 χ^2/NDF: 2657853.4/41

All: 125.178+/-0.013 χ^2/NDF: 5621824.8/84

- sign 125.034+/-0.018 χ^2/NDF: 2963845.8/42



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

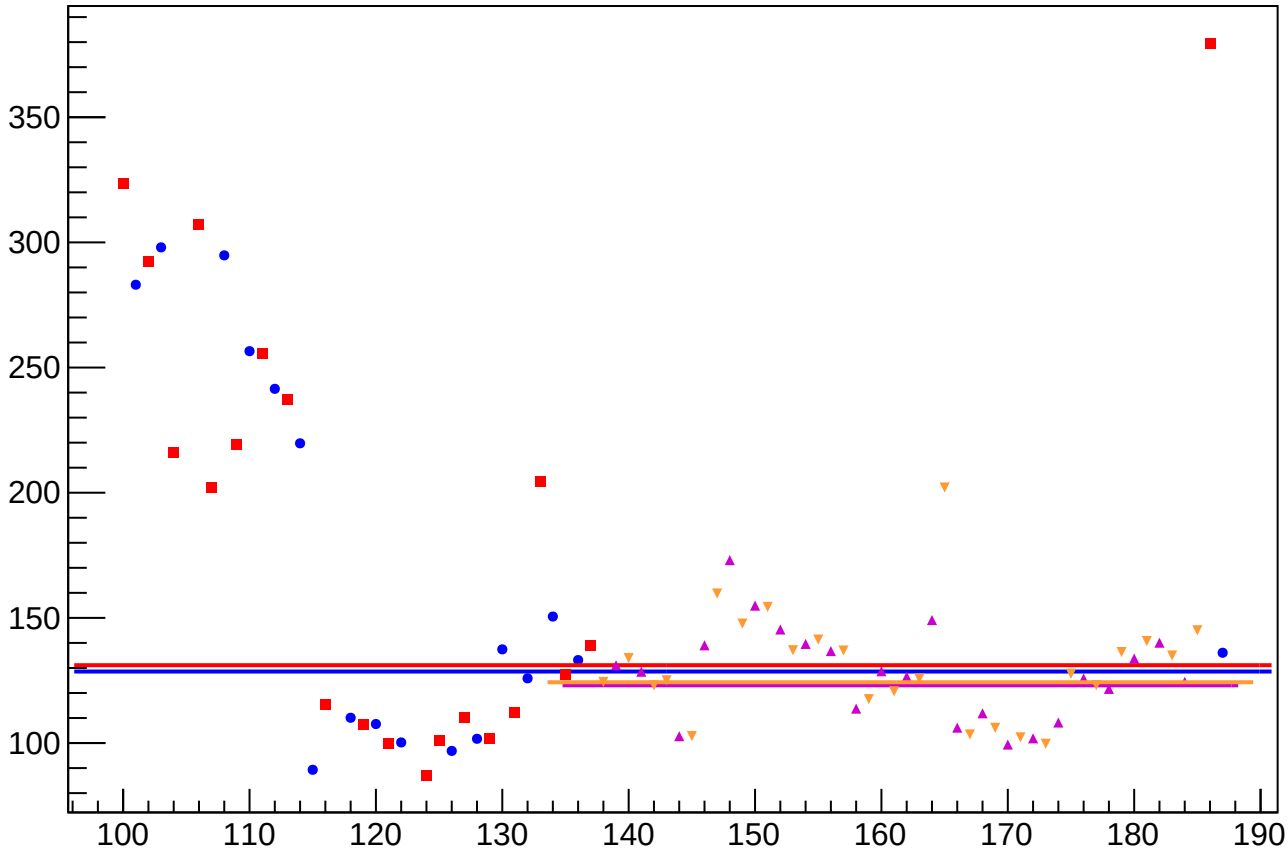
Right Out: 0.055+/-0.051 χ^2/NDF: 17.6/19

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.029+/-0.025 χ^2/NDF: 45.6/41

All: 0.015+/-0.018 χ^2/NDF: 85.8/84

- sign -0.001+/-0.025 χ^2/NDF: 39.5/42



Right In: 128.572+/-0.036 χ^2/NDF: 1806148.2/16

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 131.101+/-0.036 χ^2/NDF: 2208141.3/19

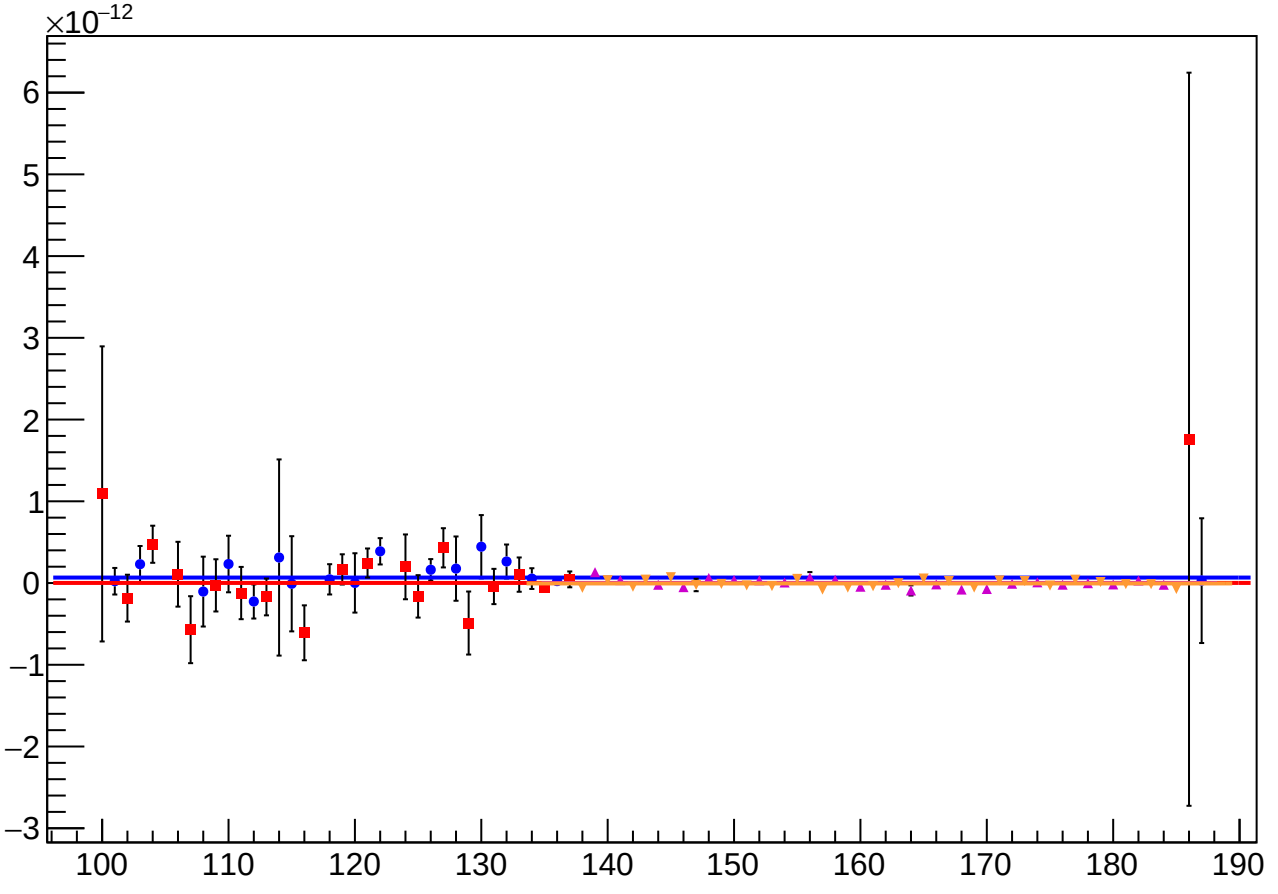
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 125.317+/-0.018 χ^2/NDF: 2657853.4/41

All: 125.178+/-0.013 χ^2/NDF: 5621824.8/84

- sign 125.034+/-0.018 χ^2/NDF: 2963845.8/42

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/19

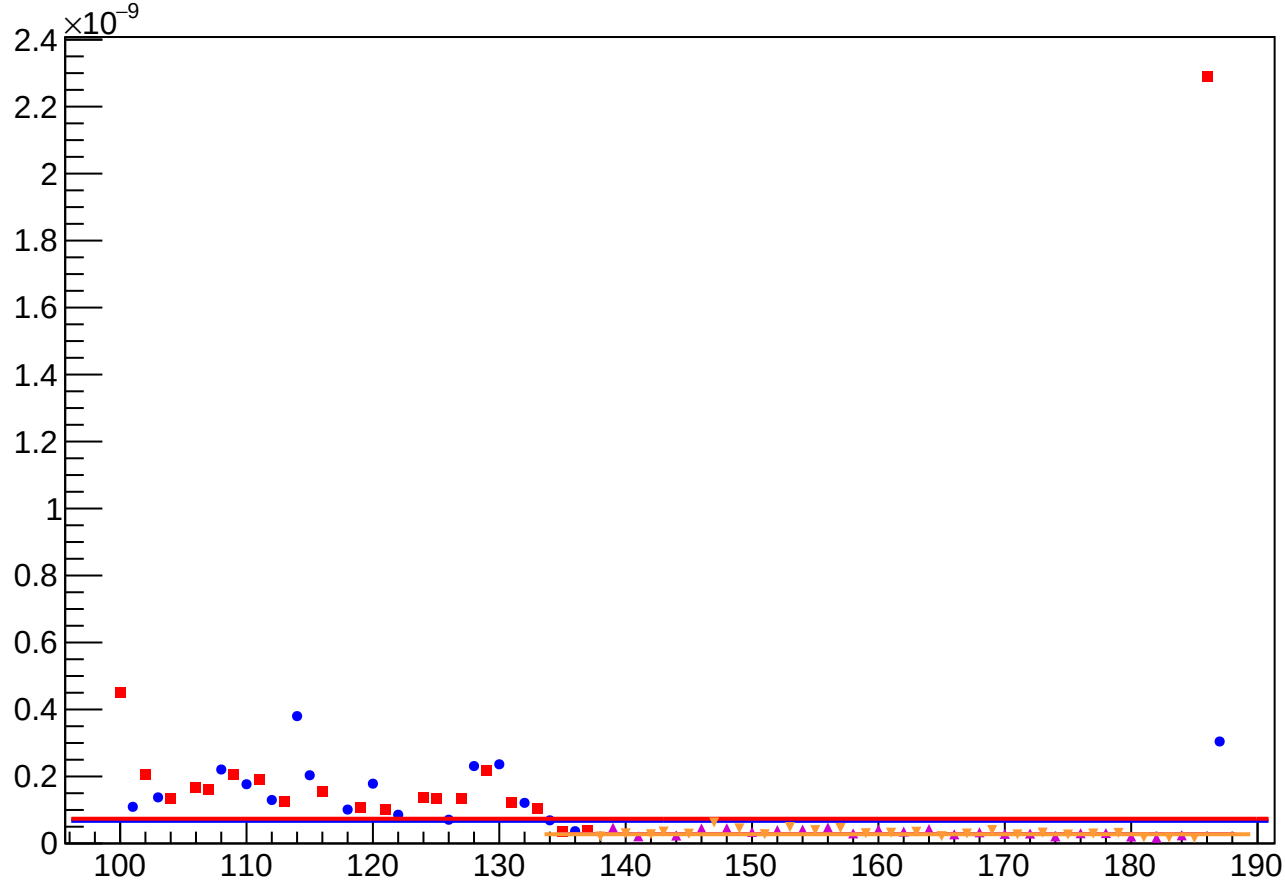
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/41

All: -0.000+/-0.000 χ^2/NDF: 84.1/84

- sign 0.000+/-0.000 χ^2/NDF: 45.5/42

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3373958.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4142443.4/19

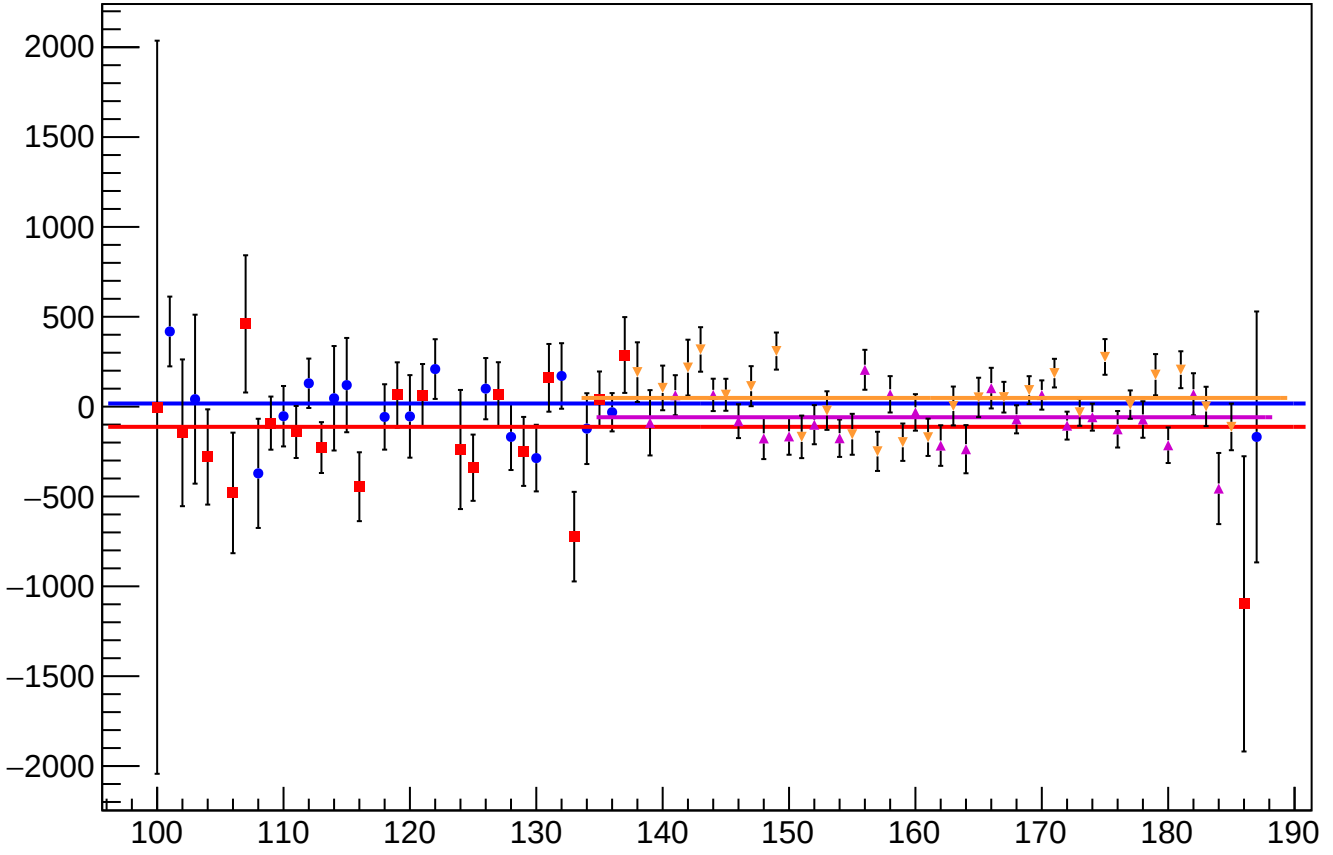
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 8124109.2/41

All: 0.000+/-0.000 χ^2/NDF: 17031332.1/84

- sign 0.000+/-0.000 χ^2/NDF: 8896298.5/42

reg_asym_sam3_mean vs Slug



Right In: 17.407+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -112.498+/-45.754 χ^2/NDF: 26.9/19

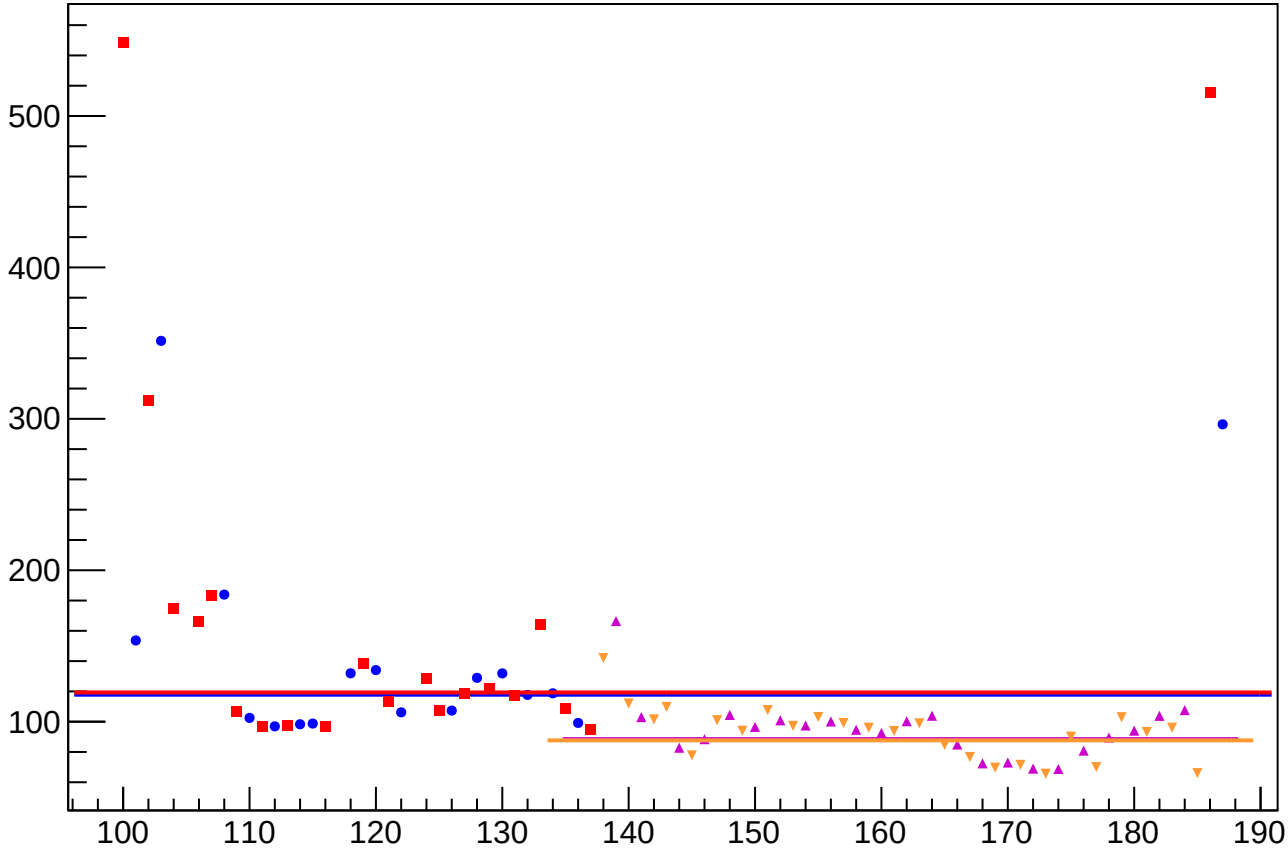
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 43.217+/-18.639 χ^2/NDF: 67.9/41

All: -10.948+/-13.375 χ^2/NDF: 143.9/84

- sign -68.435+/-19.203 χ^2/NDF: 58.7/42

reg_asym_sam3_rms vs Slug



Right In: 117.828+/-0.032 χ^2/NDF: 989749.3/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 119.291+/-0.032 χ^2/NDF: 1457629.7/19

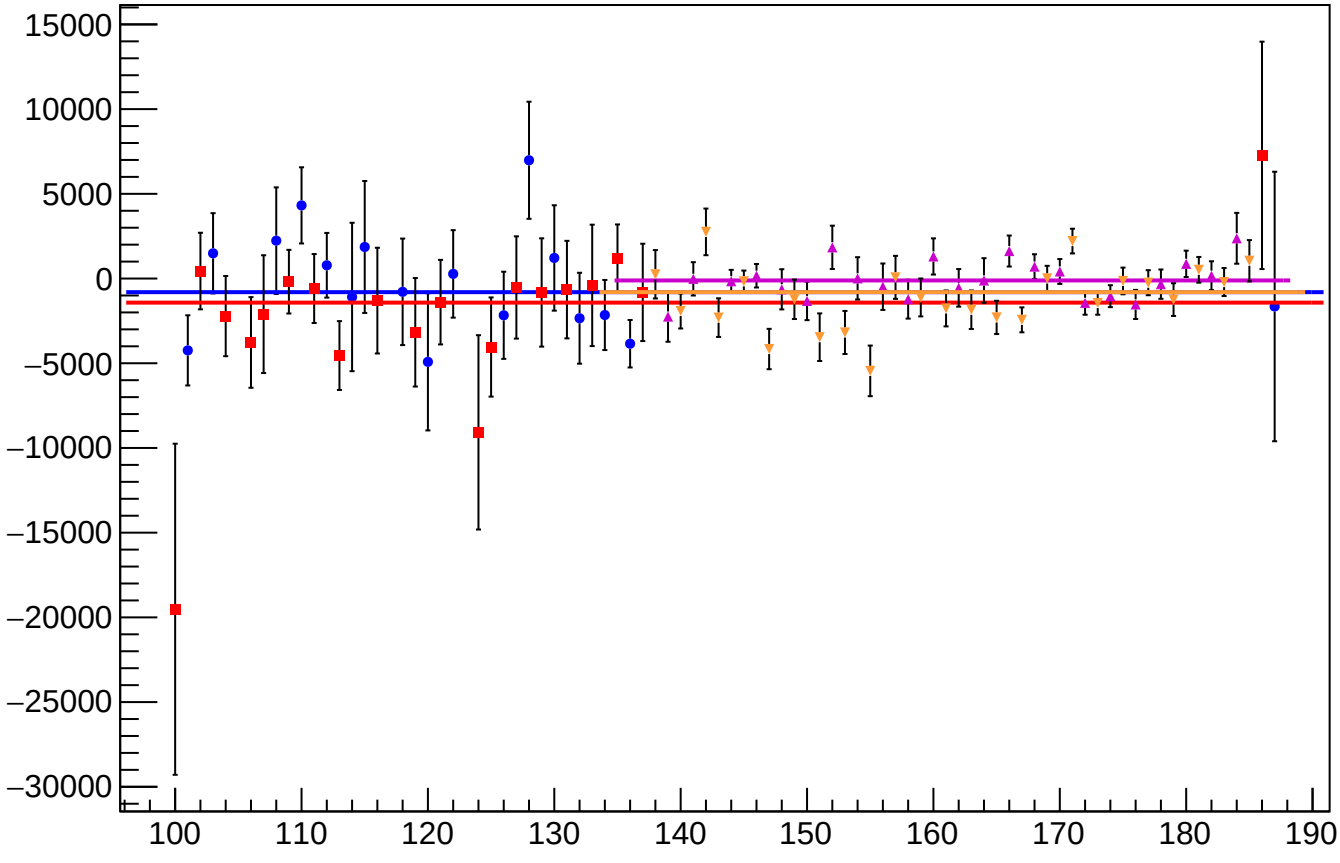
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.696+/-0.013 χ^2/NDF: 2932162.3/41

All: 93.284+/-0.009 χ^2/NDF: 6216670.7/84

- sign 93.909+/-0.014 χ^2/NDF: 3280396.0/42

asym_sam3_reg_correction_mean vs Slug



Right In: -804.206+/-614.170 χ^2/NDF: 23.5/16

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1421.375+/-610.555 χ^2/NDF: 14.6/19

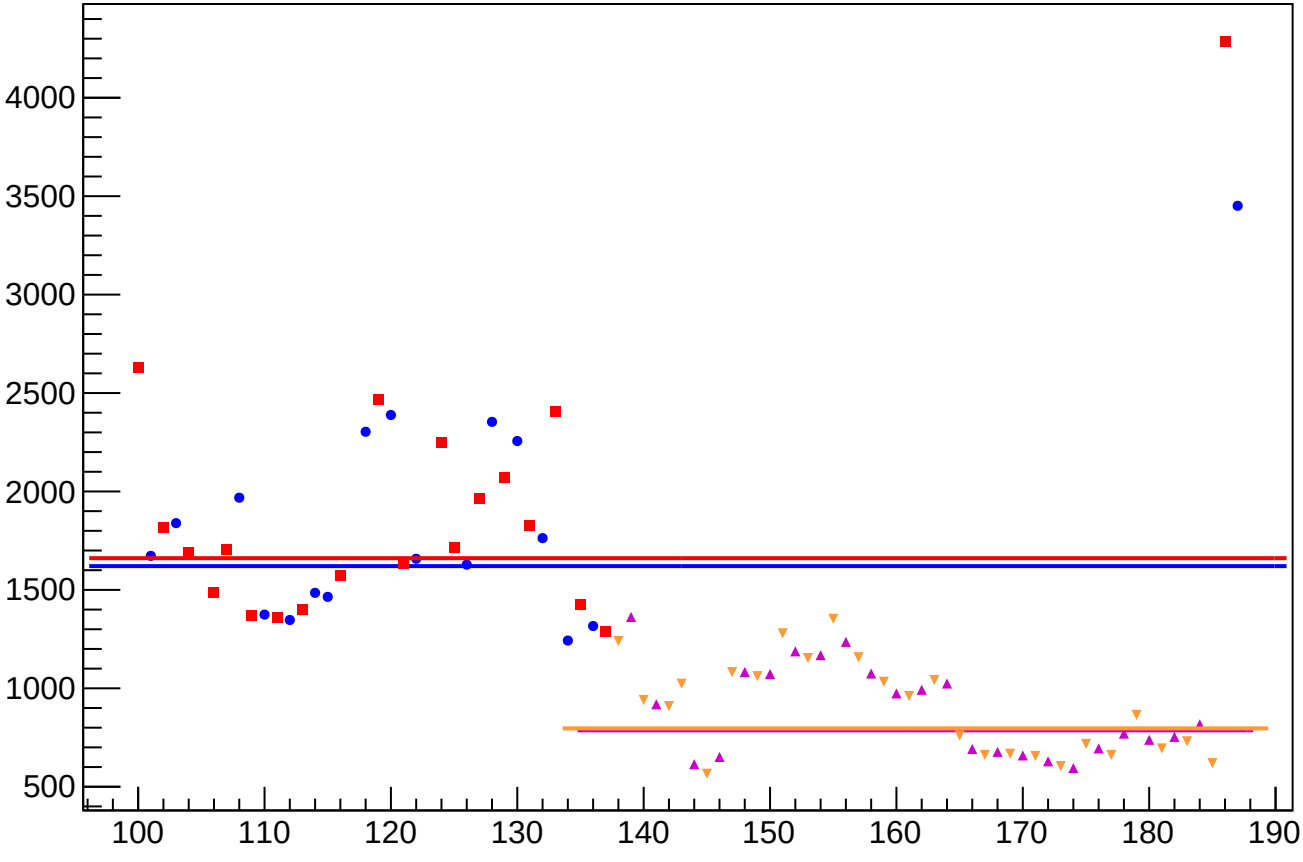
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -801.737+/-179.552 χ^2/NDF: 95.3/41

All: -518.376+/-127.699 χ^2/NDF: 146.2/84

- sign -228.345+/-181.653 χ^2/NDF: 45.9/42

asym_sam3_reg_correction_rms vs Slug



Right In: 1620.759+/-0.434 χ^2/NDF: 725668.4/16

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1661.138+/-0.432 χ^2/NDF: 828469.2/19

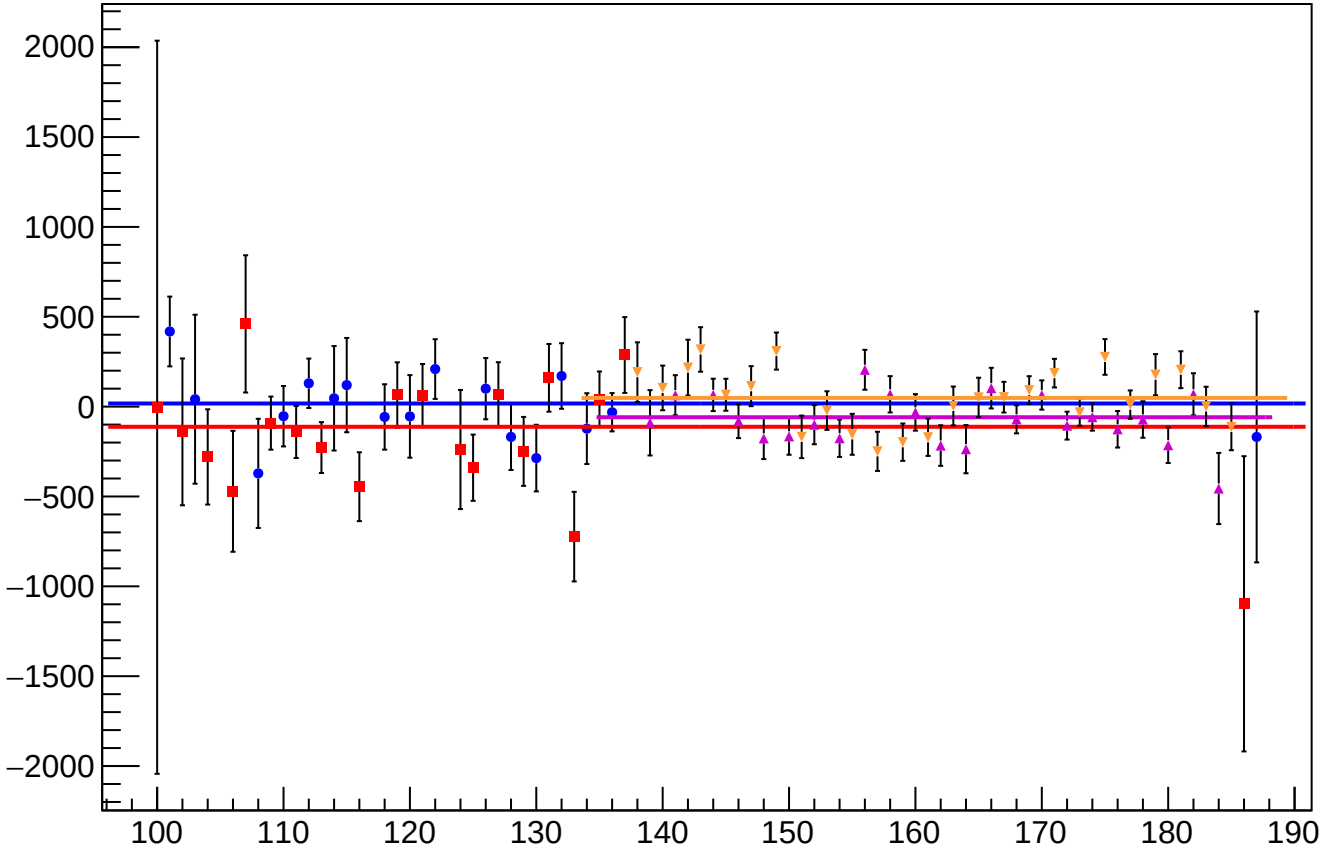
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 866.970+/-0.127 χ^2/NDF: 6437771.8/41

All: 865.390+/-0.090 χ^2/NDF: 13165521.3/84

- sign 863.772+/-0.128 χ^2/NDF: 6727436.1/42

cor_asym_sam3_mean vs Slug



Right In: 17.394+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -112.216+/-45.757 χ^2/NDF: 26.8/19

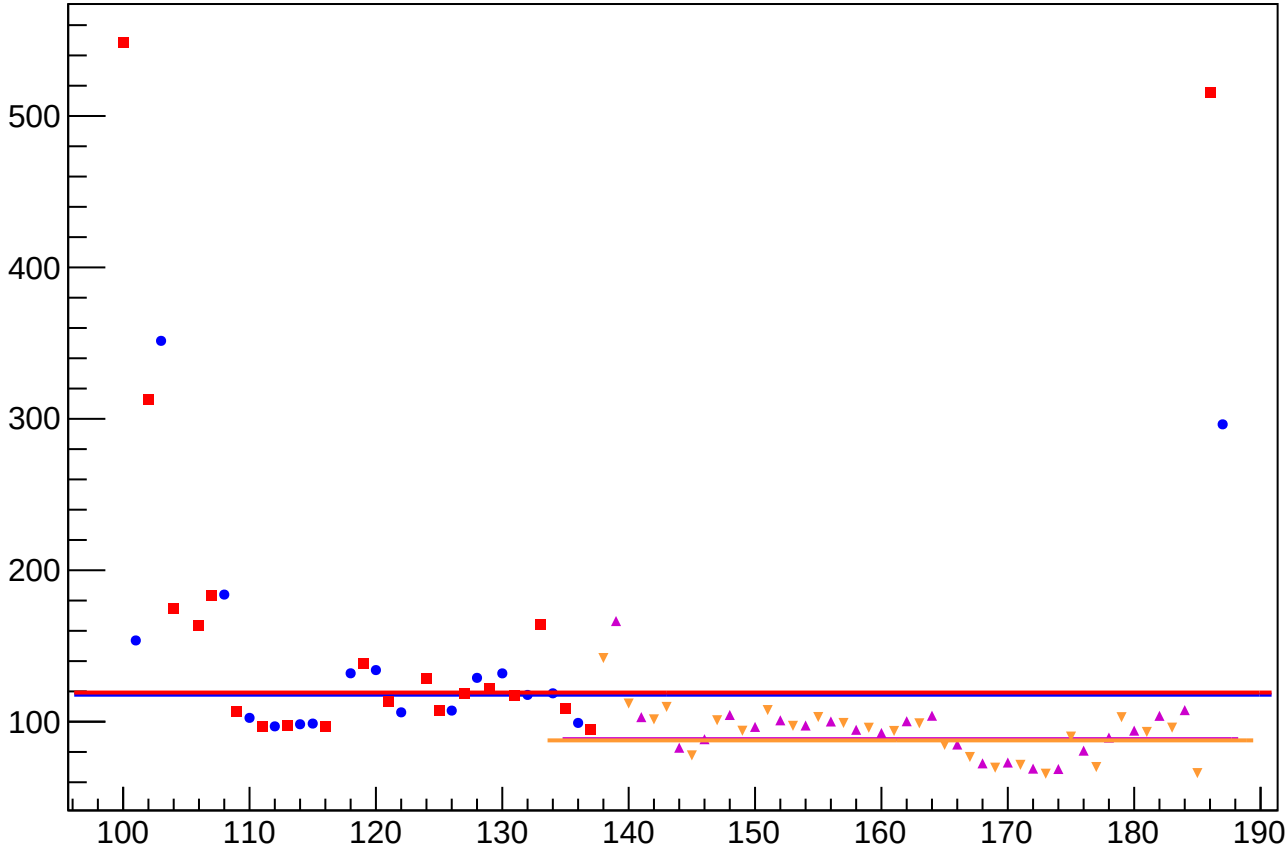
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.220+/-18.639 χ^2/NDF: 67.9/41

All: -10.922+/-13.375 χ^2/NDF: 143.8/84

- sign -68.386+/-19.203 χ^2/NDF: 58.6/42

cor_asym_sam3_rms vs Slug



Right In: 117.828+/-0.032 χ^2/NDF: 989751.4/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 119.239+/-0.032 χ^2/NDF: 1453557.0/19

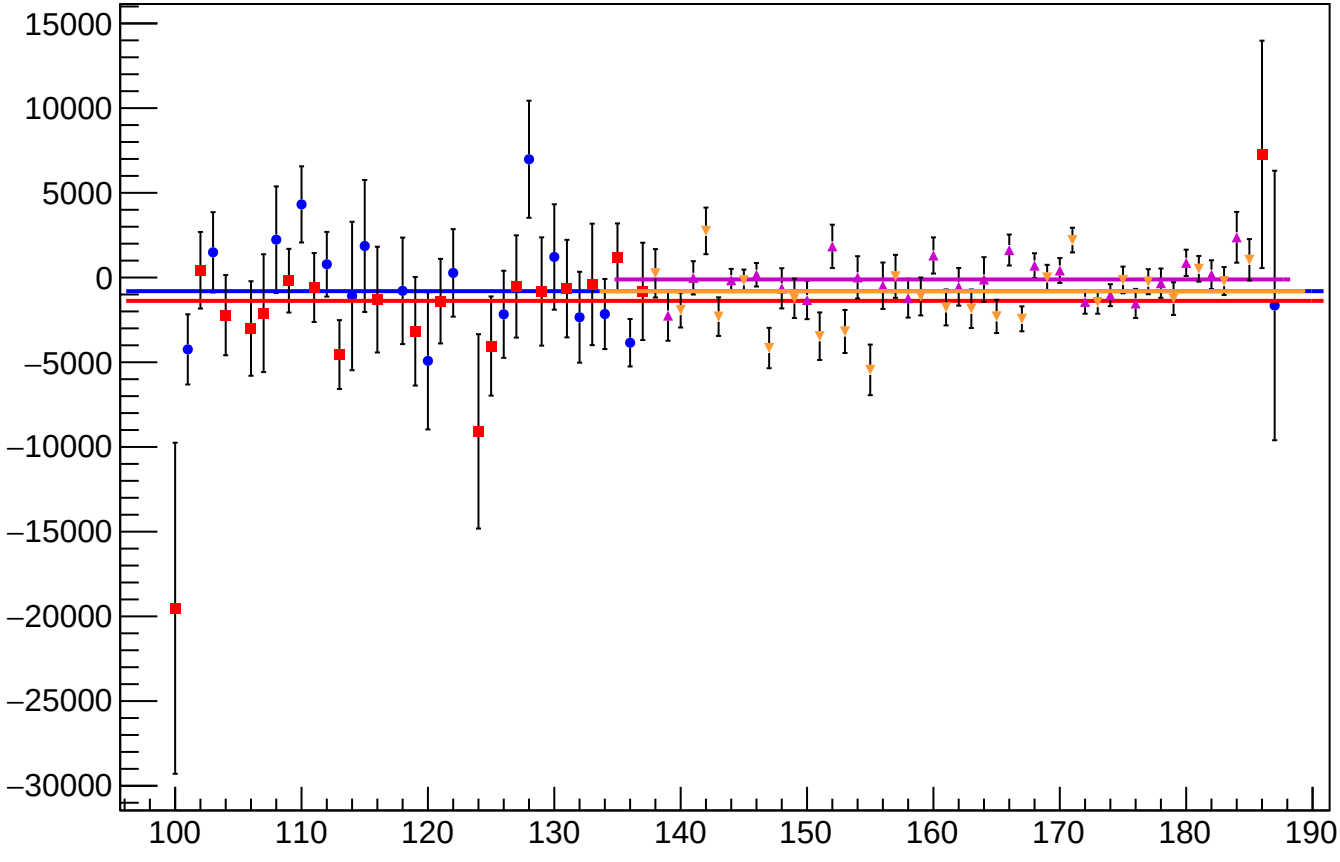
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.696+/-0.013 χ^2/NDF: 2932163.8/41

All: 93.280+/-0.009 χ^2/NDF: 6209960.2/84

- sign 93.900+/-0.014 χ^2/NDF: 3273749.1/42

asym_sam3_cor_correction_mean vs Slug



Right In: -804.190+/-614.175 χ^2/NDF: 23.5/16

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1375.970+/-611.884 χ^2/NDF: 14.1/19

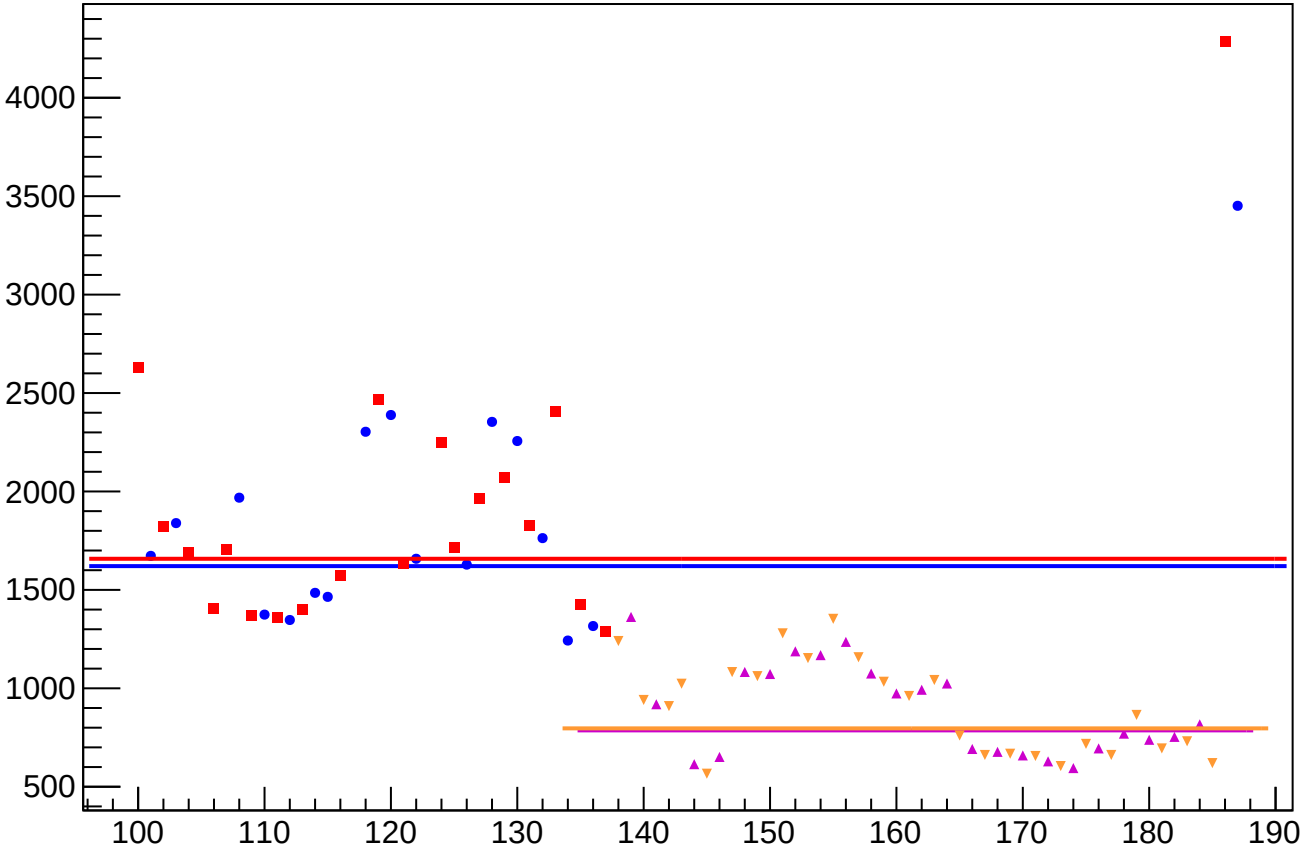
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.729+/-179.553 χ^2/NDF: 95.3/41

All: -516.223+/-127.711 χ^2/NDF: 145.5/84

- sign -223.885+/-181.688 χ^2/NDF: 45.1/42

asym_sam3_cor_correction_rms vs Slug



Right In: 1620.769+/-0.434 χ^2/NDF: 725696.2/16

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1658.065+/-0.433 χ^2/NDF: 836831.1/19

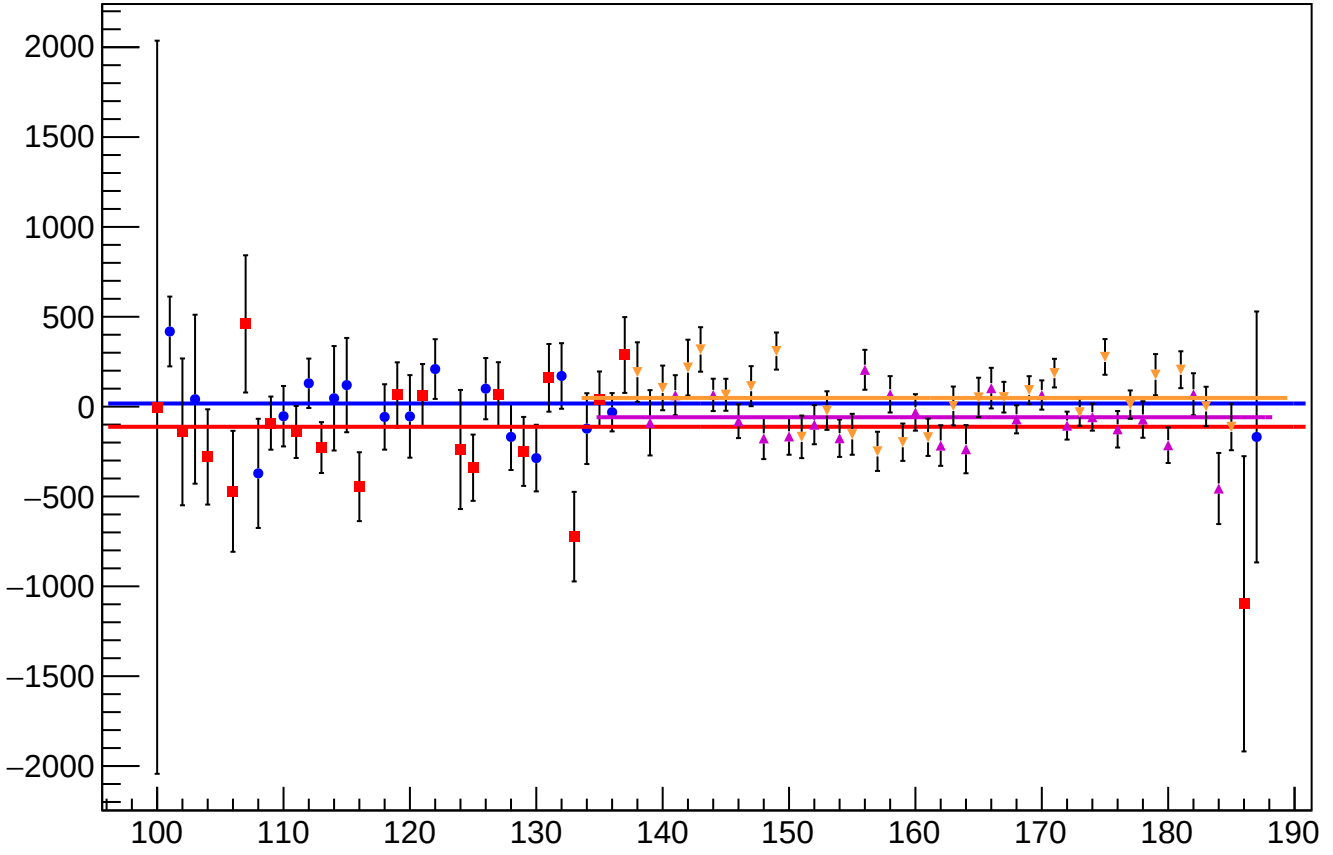
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 866.969+/-0.127 χ^2/NDF: 6437829.8/41

All: 865.105+/-0.090 χ^2/NDF: 13133107.9/84

- sign 863.195+/-0.128 χ^2/NDF: 6694841.5/42

eigen_cor_asym_sam3_mean vs Slug



Right In: 17.394+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -112.216+/-45.757 χ^2/NDF: 26.8/19

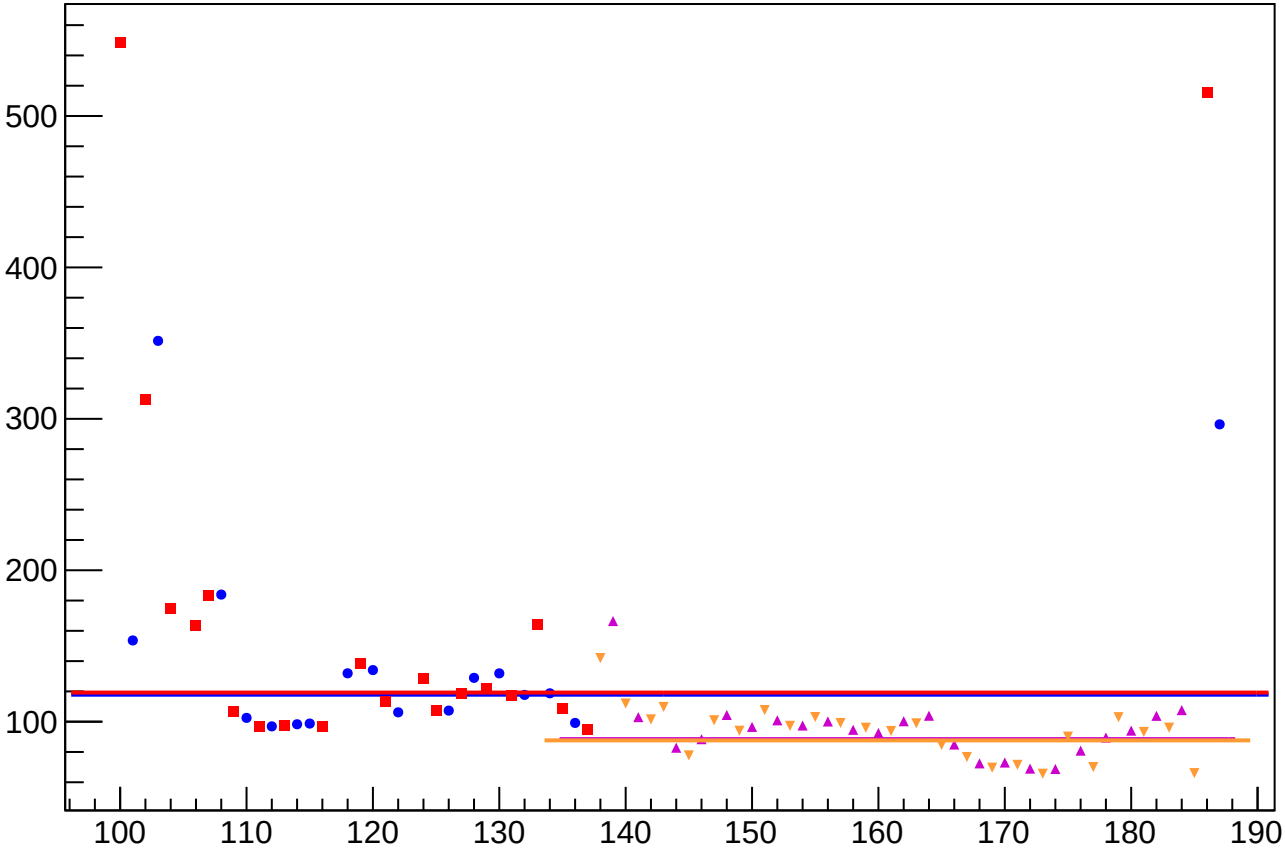
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 43.220+/-18.639 χ^2/NDF: 67.9/41

All: -10.922+/-13.375 χ^2/NDF: 143.8/84

- sign -68.386+/-19.203 χ^2/NDF: 58.6/42

eigen_cor_asym_sam3_rms vs Slug



Right In: 117.828+/-0.032 χ^2/NDF: 989751.4/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 119.239+/-0.032 χ^2/NDF: 1453557.0/19

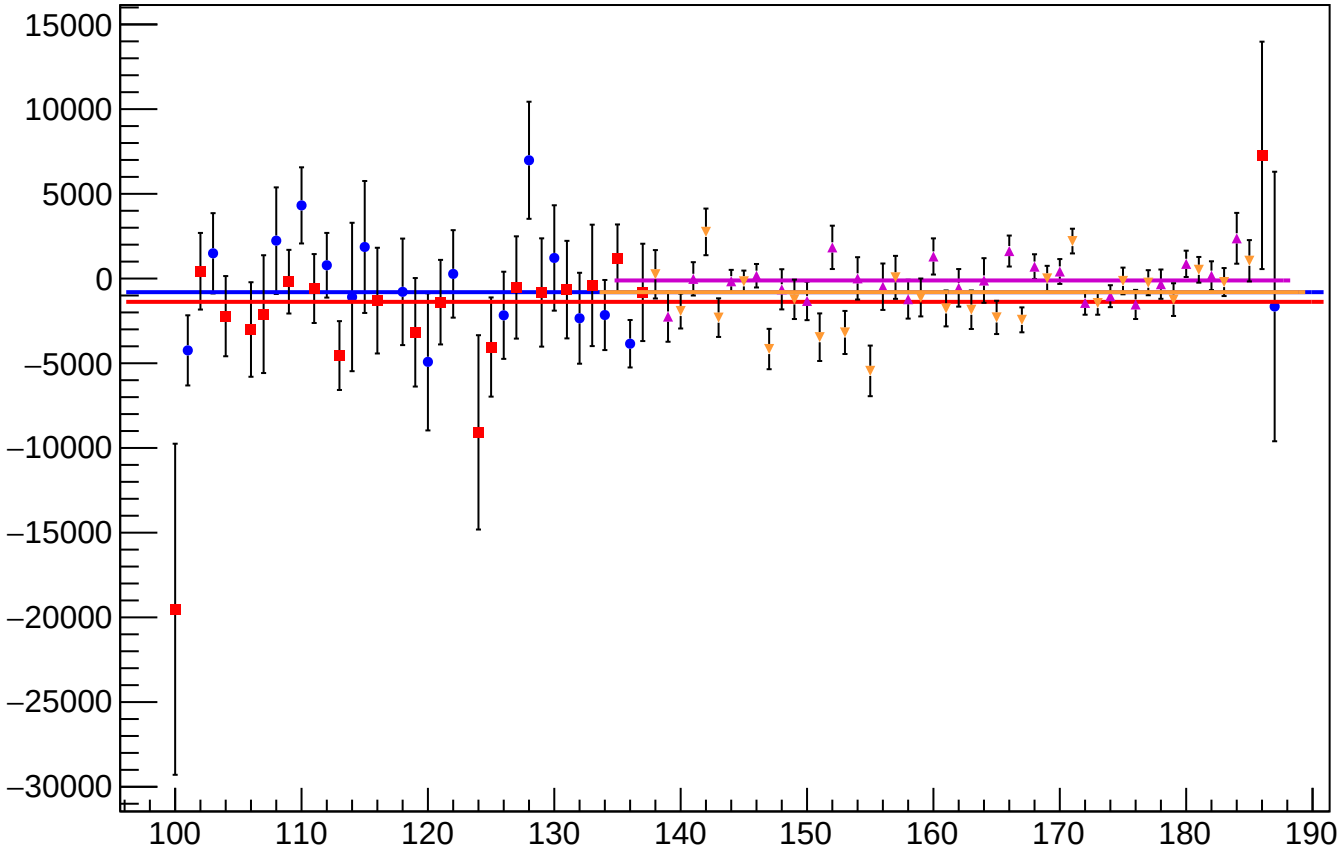
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 92.696+/-0.013 χ^2/NDF: 2932163.8/41

All: 93.280+/-0.009 χ^2/NDF: 6209960.2/84

- sign 93.900+/-0.014 χ^2/NDF: 3273749.1/42

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -804.190+/-614.175 χ^2/NDF: 23.5/16

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1375.970+/-611.884 χ^2/NDF: 14.1/19

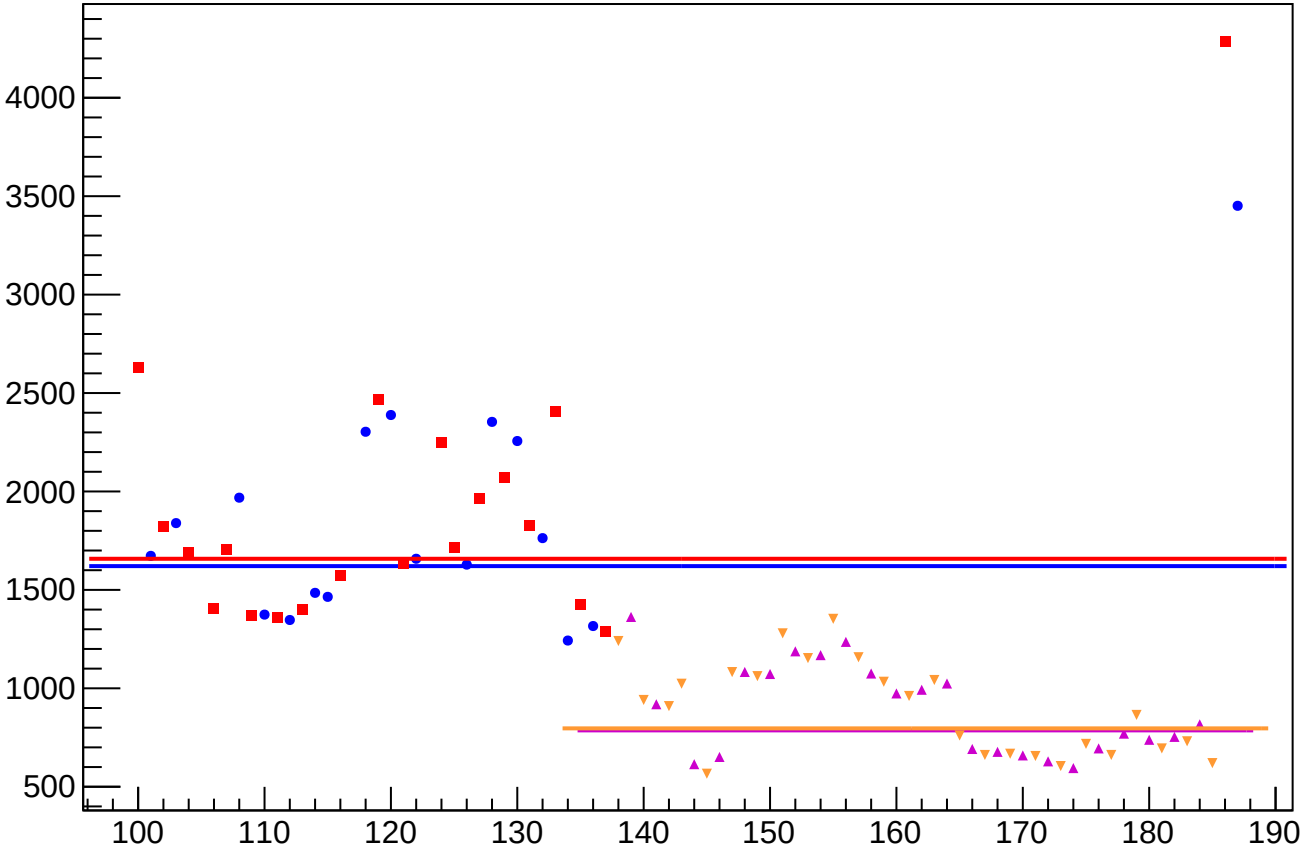
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -801.729+/-179.553 χ^2/NDF: 95.3/41

All: -516.223+/-127.711 χ^2/NDF: 145.5/84

- sign -223.885+/-181.688 χ^2/NDF: 45.1/42

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 1620.769+/-0.434 χ^2/NDF: 725696.2/16

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1658.065+/-0.433 χ^2/NDF: 836831.1/19

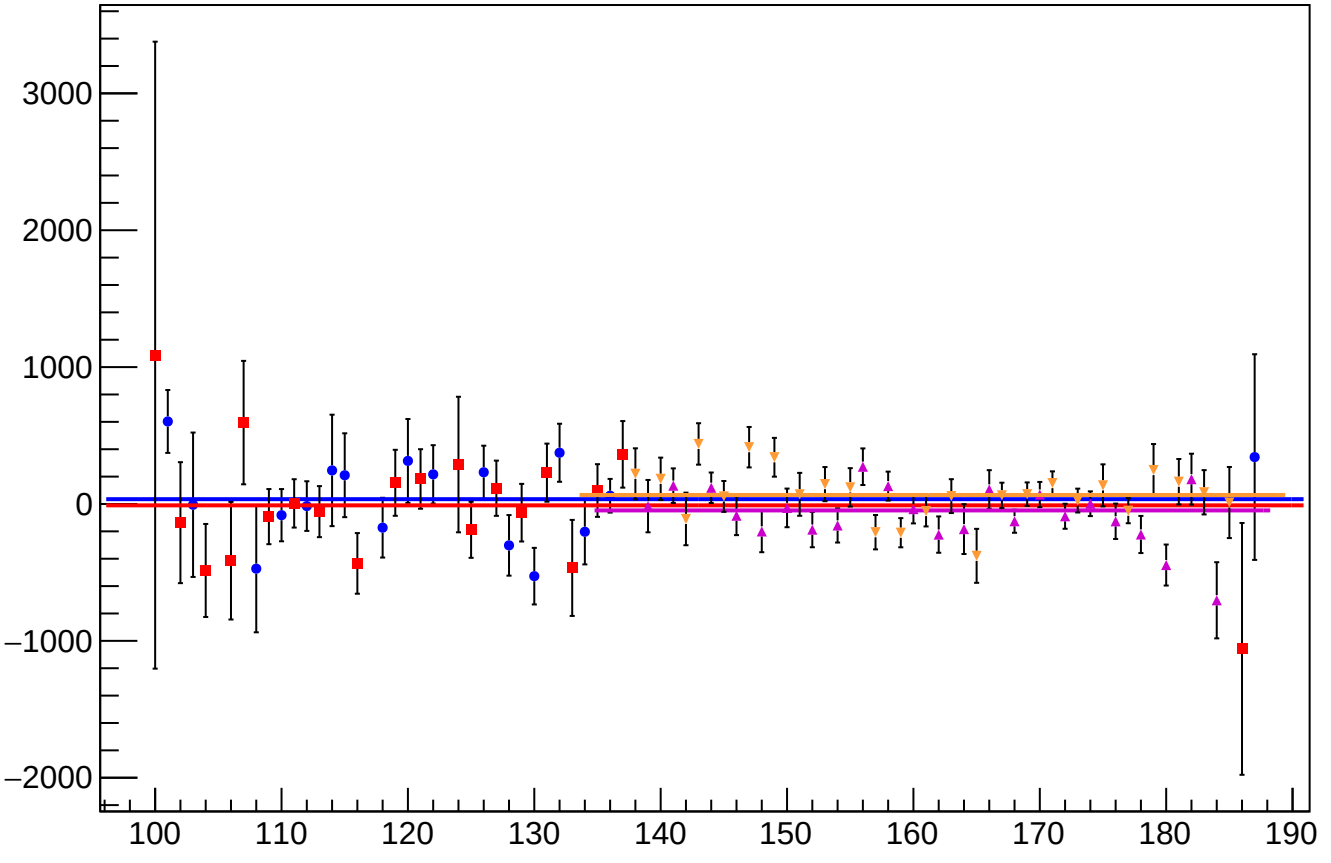
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 866.969+/-0.127 χ^2/NDF: 6437829.8/41

All: 865.105+/-0.090 χ^2/NDF: 13133107.9/84

- sign 863.195+/-0.128 χ^2/NDF: 6694841.5/42

dit_asym_sam3_mean vs Slug



Right In: 35.114+/-54.762 χ^2/NDF: 25.3/16

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -10.005+/-55.986 χ^2/NDF: 18.6/19

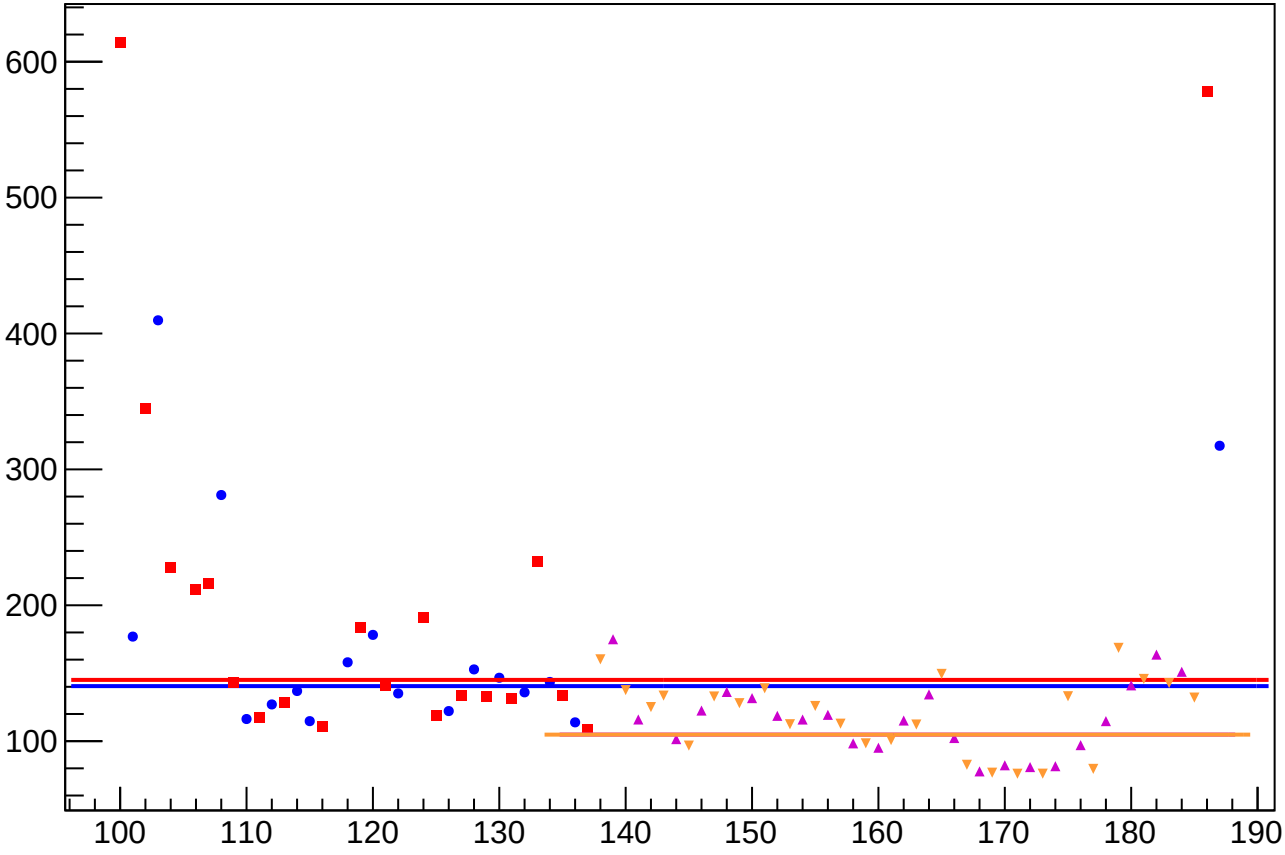
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 60.406+/-22.787 χ^2/NDF: 65.6/41

All: 11.147+/-16.309 χ^2/NDF: 132.8/84

- sign -40.595+/-23.354 χ^2/NDF: 57.6/42

dit_asym_sam3_rms vs Slug



Right In: 140.511+/-0.039 χ^2/NDF: 1088188.1/16

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 145.090+/-0.040 χ^2/NDF: 1561764.8/19

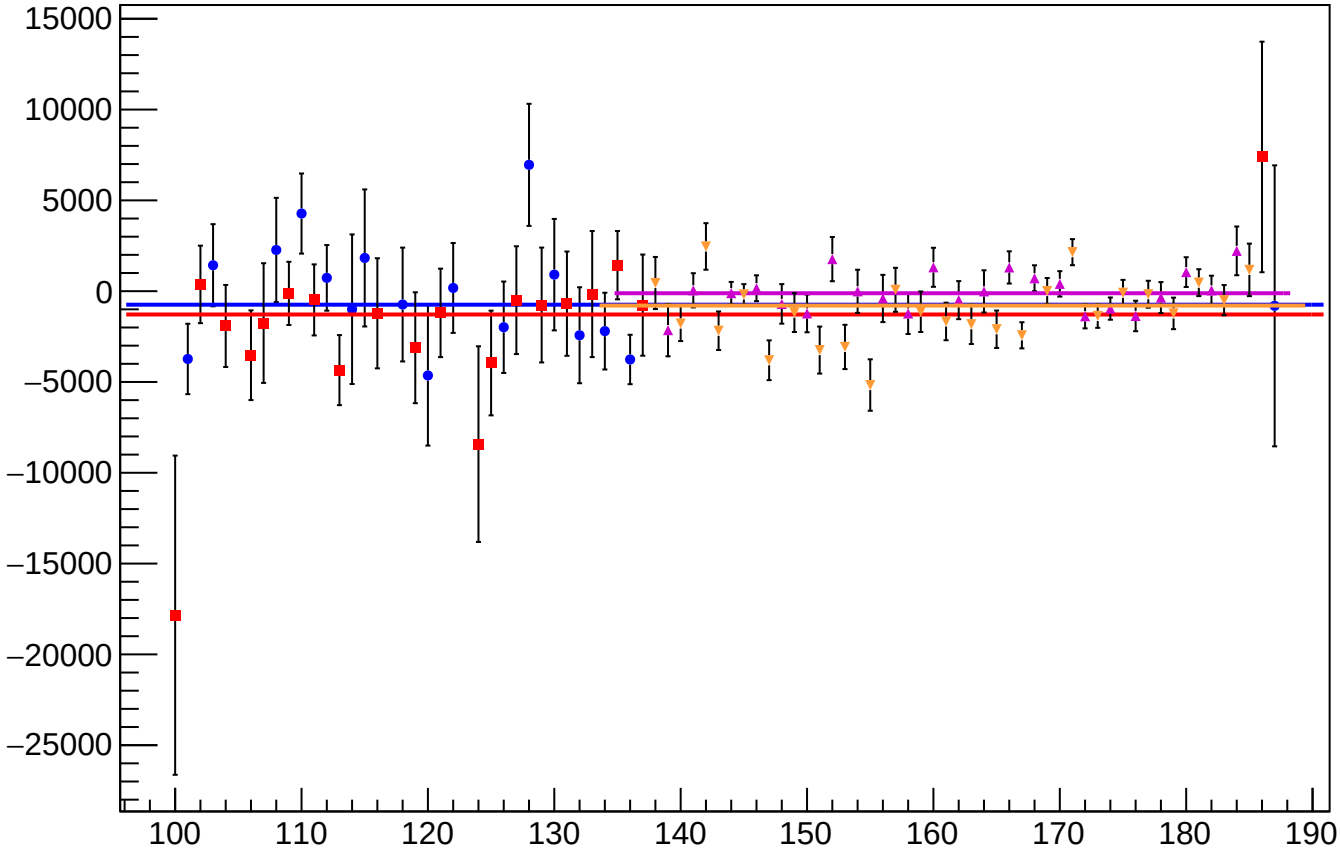
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 110.992+/-0.016 χ^2/NDF: 4033850.4/41

All: 111.405+/-0.012 χ^2/NDF: 8065502.5/84

- sign 111.839+/-0.017 χ^2/NDF: 4030302.9/42

asym_sam3_dit_correction_mean vs Slug



Right In: -745.054+/-594.051 χ^2/NDF: 23.5/16

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1283.992+/-583.329 χ^2/NDF: 15.4/19

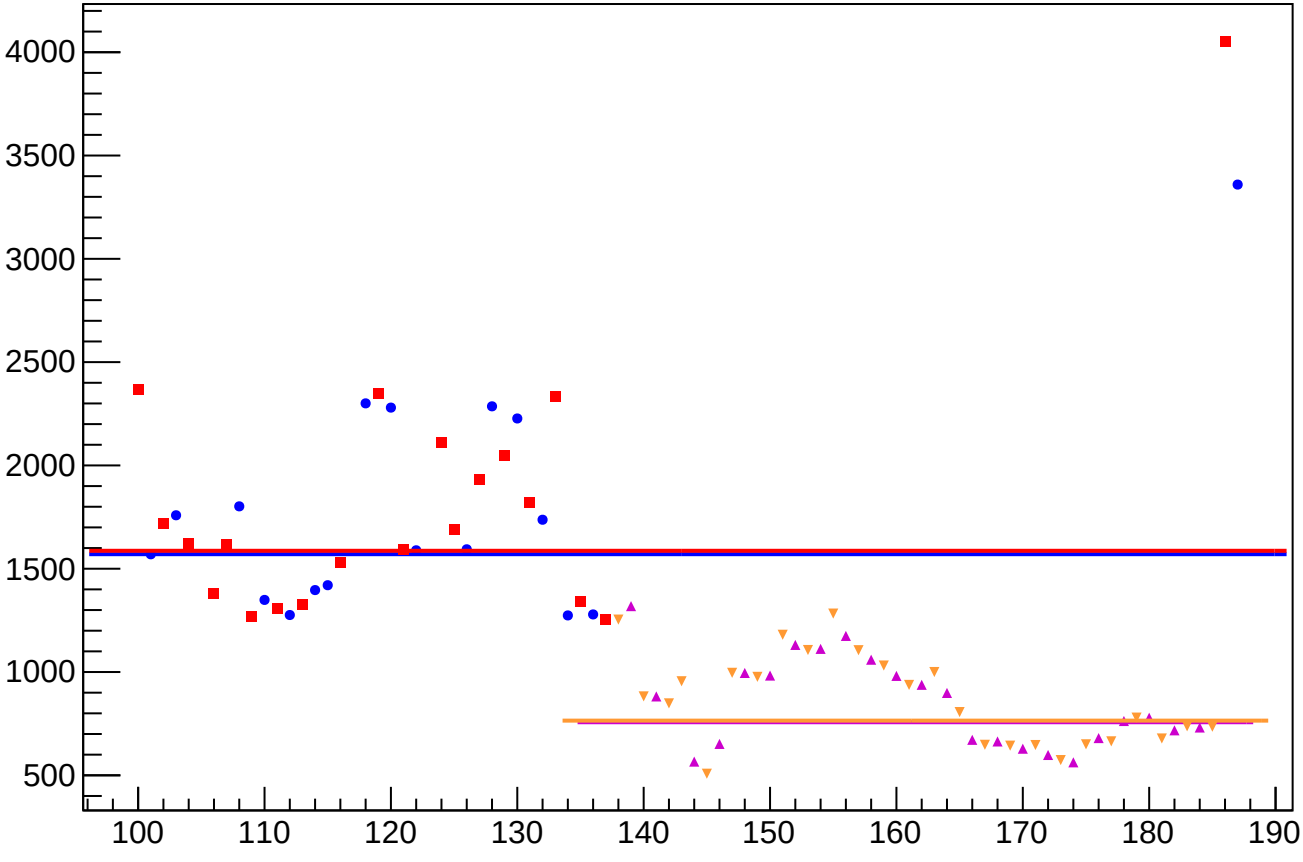
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -789.037+/-172.175 χ^2/NDF: 93.5/41

All: -508.036+/-122.635 χ^2/NDF: 144.3/84

- sign -218.671+/-174.718 χ^2/NDF: 45.4/42

asym_sam3_dit_correction_rms vs Slug



Right In: 1570.346+/-0.420 χ^2/NDF: 711798.2/16

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1586.799+/-0.412 χ^2/NDF: 867933.2/19

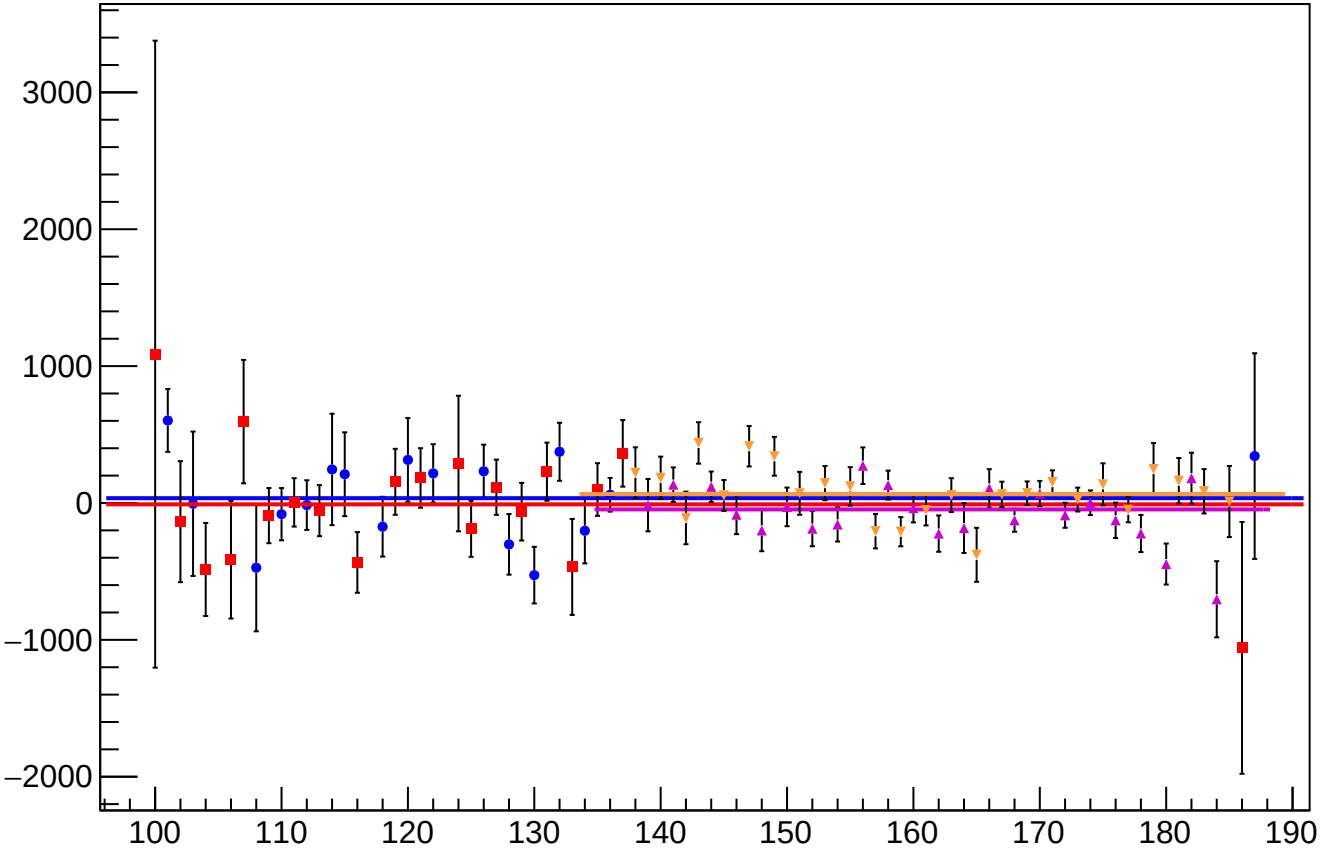
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 832.408+/-0.122 χ^2/NDF: 6506573.3/41

All: 831.899+/-0.087 χ^2/NDF: 13174538.9/84

- sign 831.376+/-0.124 χ^2/NDF: 6667930.2/42

eigen_dit_asym_sam3_mean vs Slug



Right In: 35.113+/-54.762 χ^2/NDF: 25.3/16

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -10.001+/-55.986 χ^2/NDF: 18.6/19

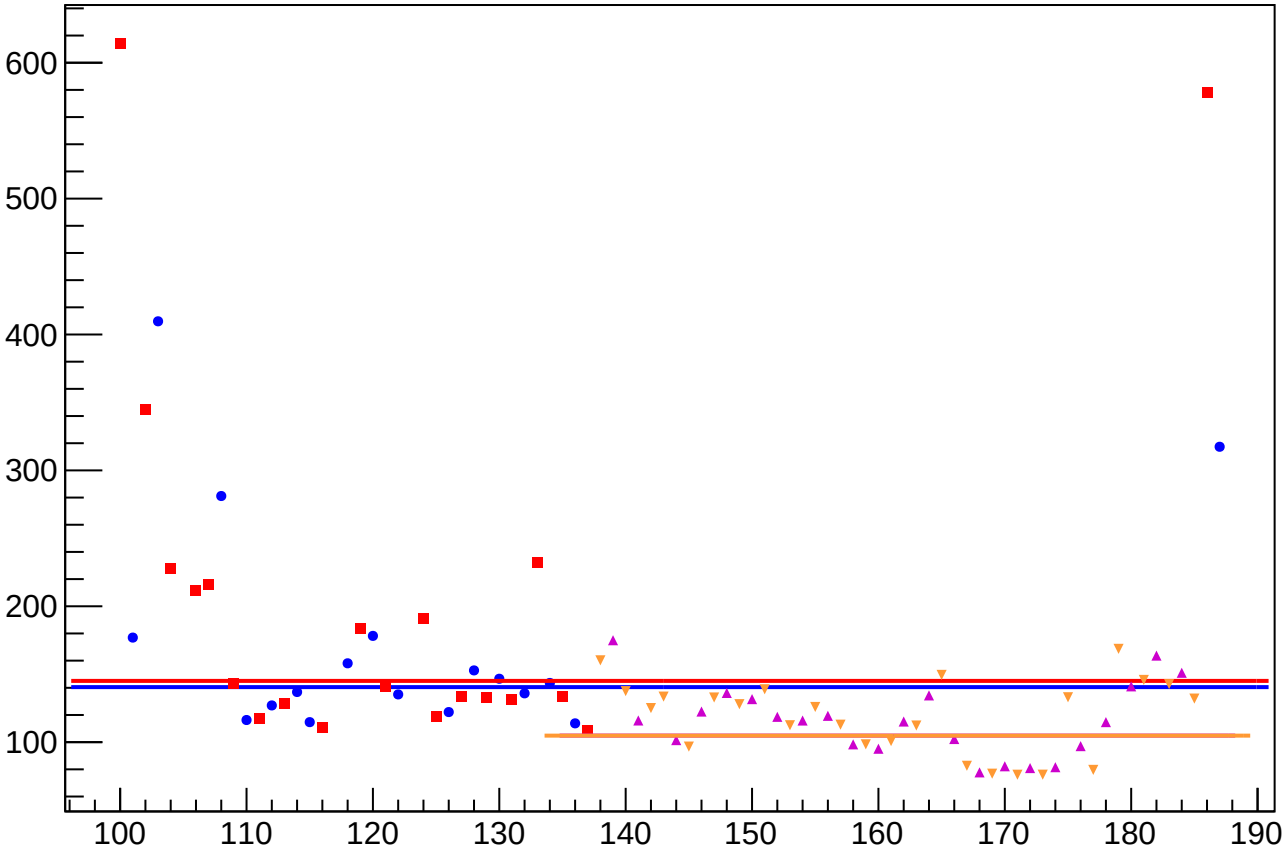
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 60.406+/-22.787 χ^2/NDF: 65.6/41

All: 11.148+/-16.310 χ^2/NDF: 132.8/84

- sign -40.593+/-23.354 χ^2/NDF: 57.6/42

eigen_dit_asym_sam3_rms vs Slug



Right In: 140.512+/-0.039 χ^2/NDF: 1088191.2/16

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 145.090+/-0.040 χ^2/NDF: 1561771.1/19

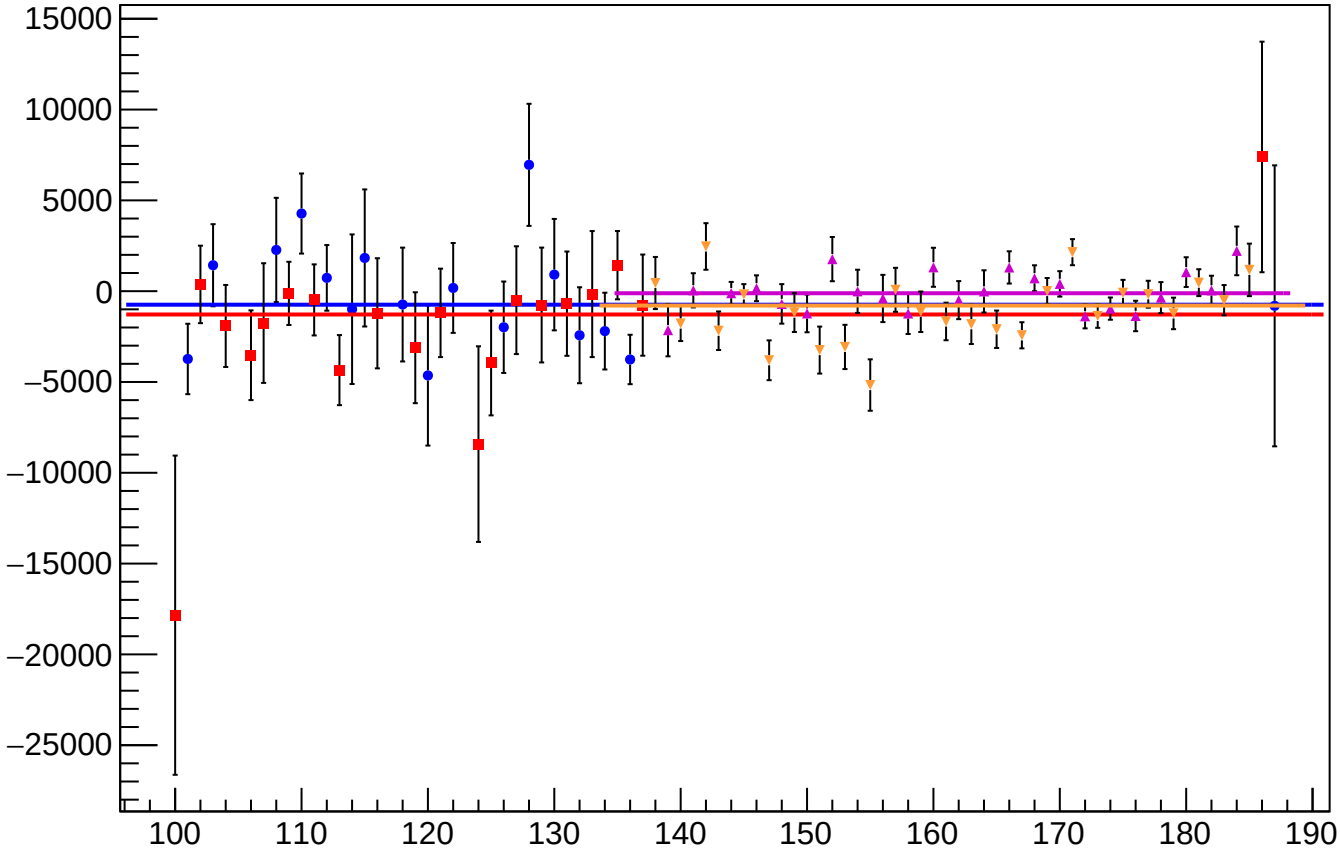
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 110.992+/-0.016 χ^2/NDF: 4033868.1/41

All: 111.405+/-0.012 χ^2/NDF: 8065536.5/84

- sign 111.839+/-0.017 χ^2/NDF: 4030319.1/42

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -745.051+/-594.050 χ^2/NDF: 23.5/16

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1283.992+/-583.329 χ^2/NDF: 15.4/19

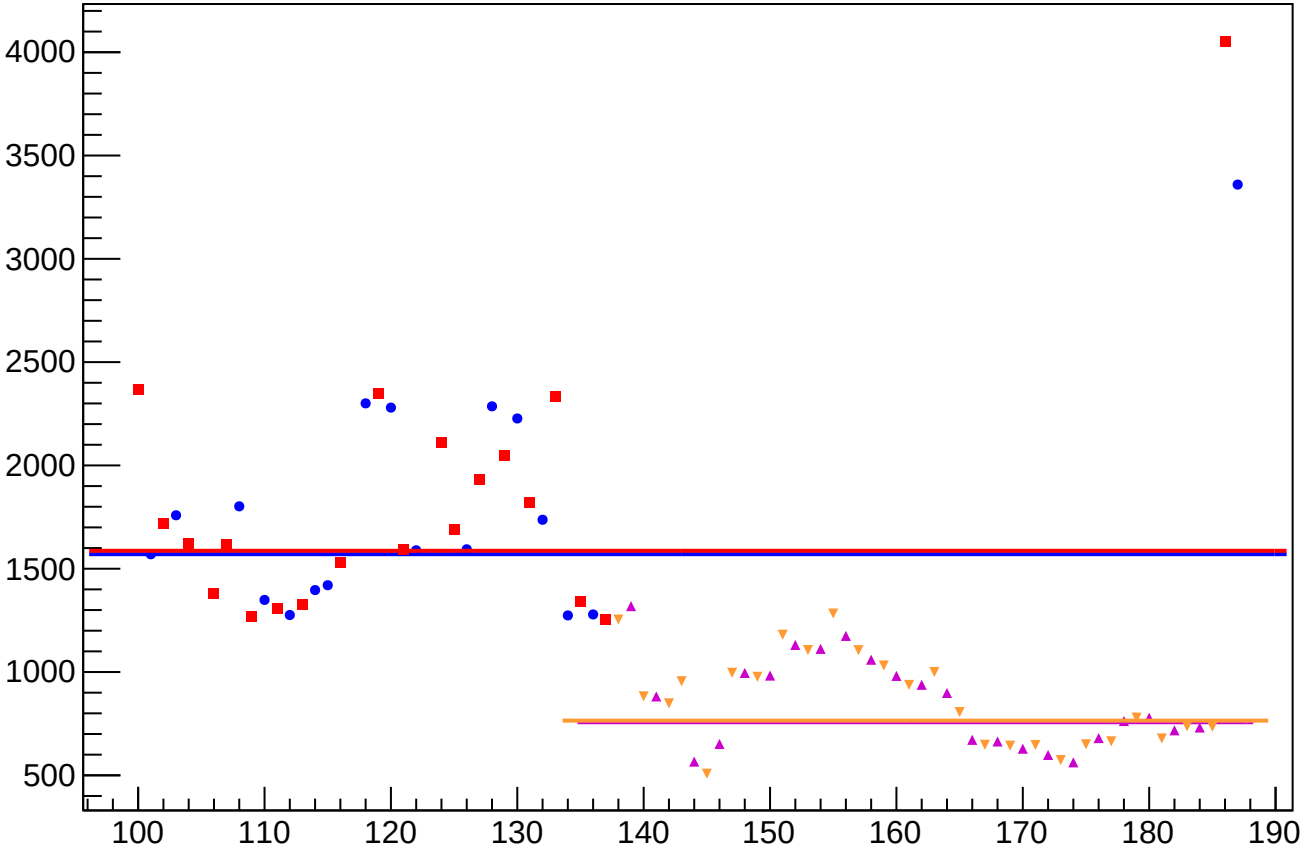
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -789.037+/-172.175 χ^2/NDF: 93.5/41

All: -508.036+/-122.635 χ^2/NDF: 144.3/84

- sign -218.671+/-174.718 χ^2/NDF: 45.4/42

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1570.345+/-0.420 χ^2/NDF: 711797.9/16

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1586.797+/-0.412 χ^2/NDF: 867931.3/19

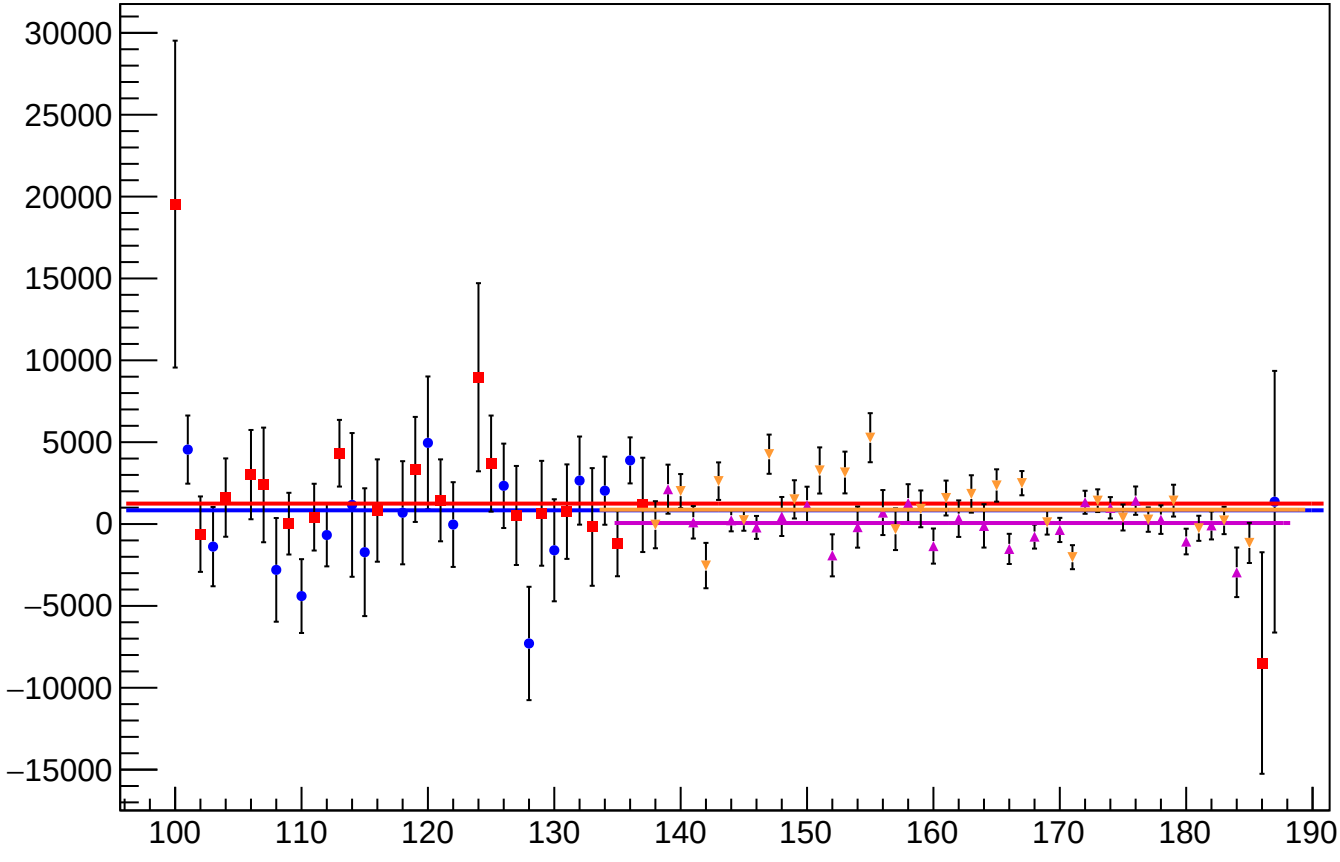
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 832.407+/-0.122 χ^2/NDF: 6506564.7/41

All: 831.899+/-0.087 χ^2/NDF: 13174519.6/84

- sign 831.375+/-0.124 χ^2/NDF: 6667919.6/42

asym_sam3_mean vs Slug



Right In: 838.642+/-616.933 χ^2/NDF: 24.9/16

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1248.706+/-613.885 χ^2/NDF: 14.2/19

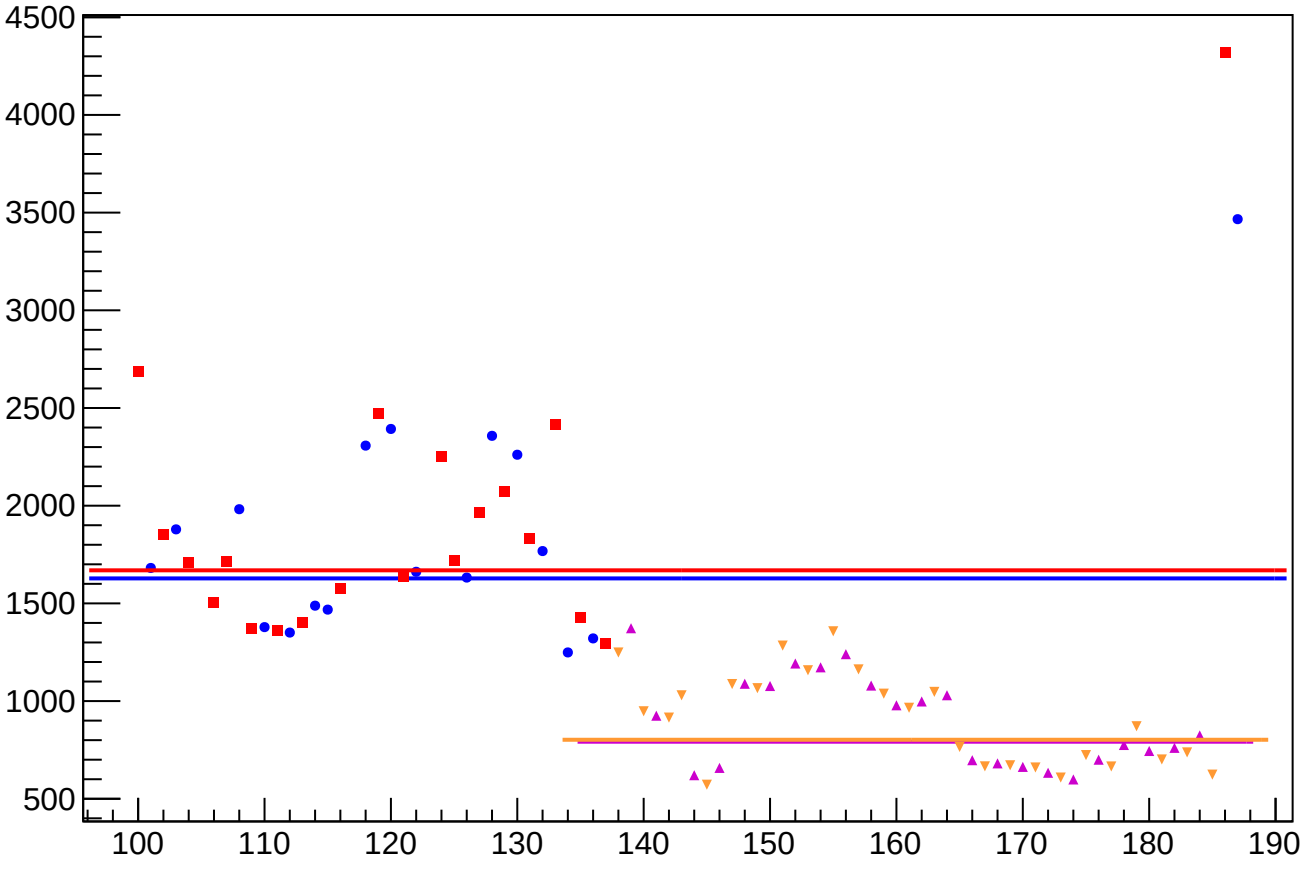
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 873.236+/-180.709 χ^2/NDF: 92.2/41

All: 524.870+/-128.546 χ^2/NDF: 144.4/84

- sign 168.023+/-182.895 χ^2/NDF: 44.7/42

asym_sam3_rms vs Slug



Right In: 1627.830+/-0.436 χ^2/NDF: 728794.1/16

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

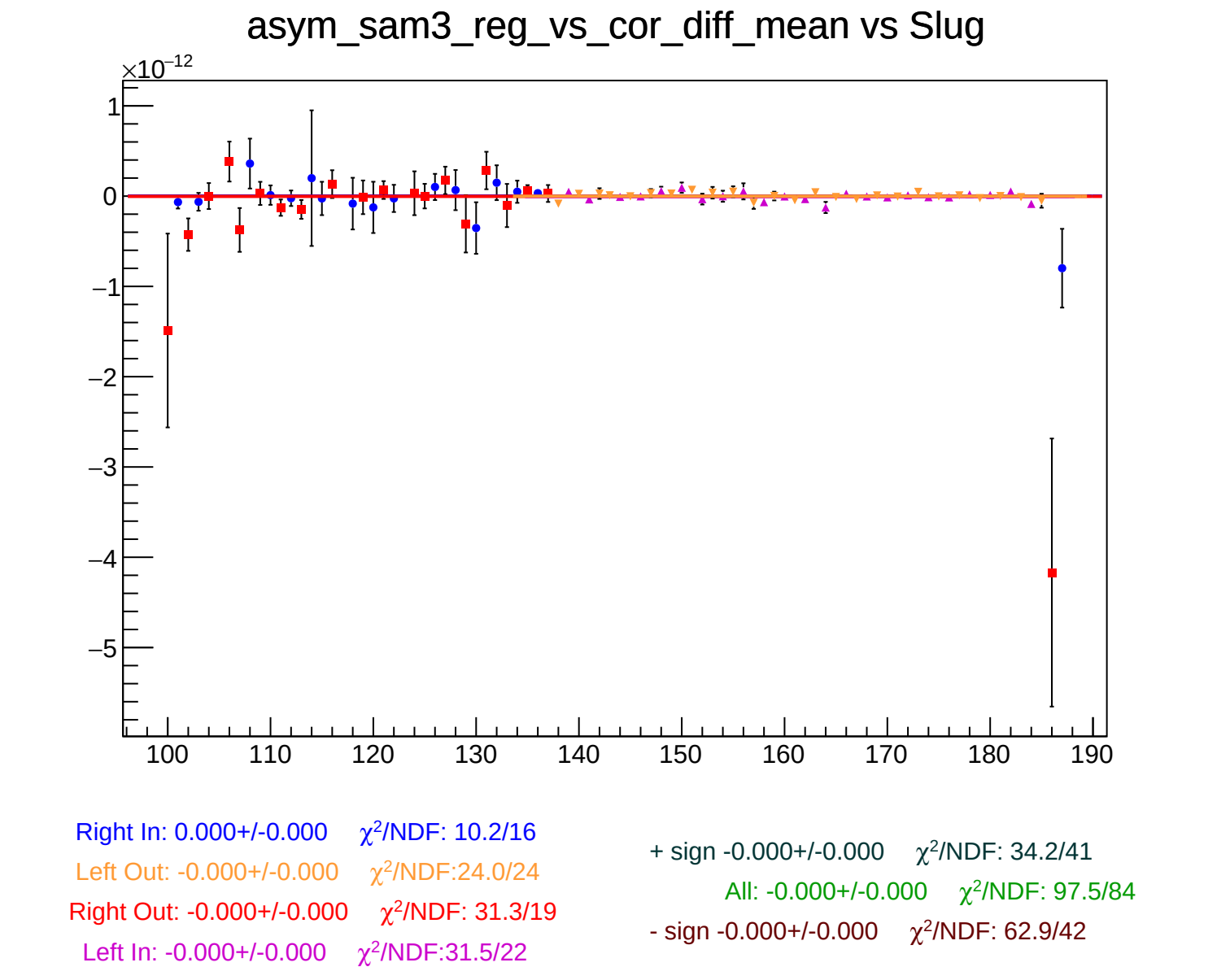
Right Out: 1669.222+/-0.434 χ^2/NDF: 833155.1/19

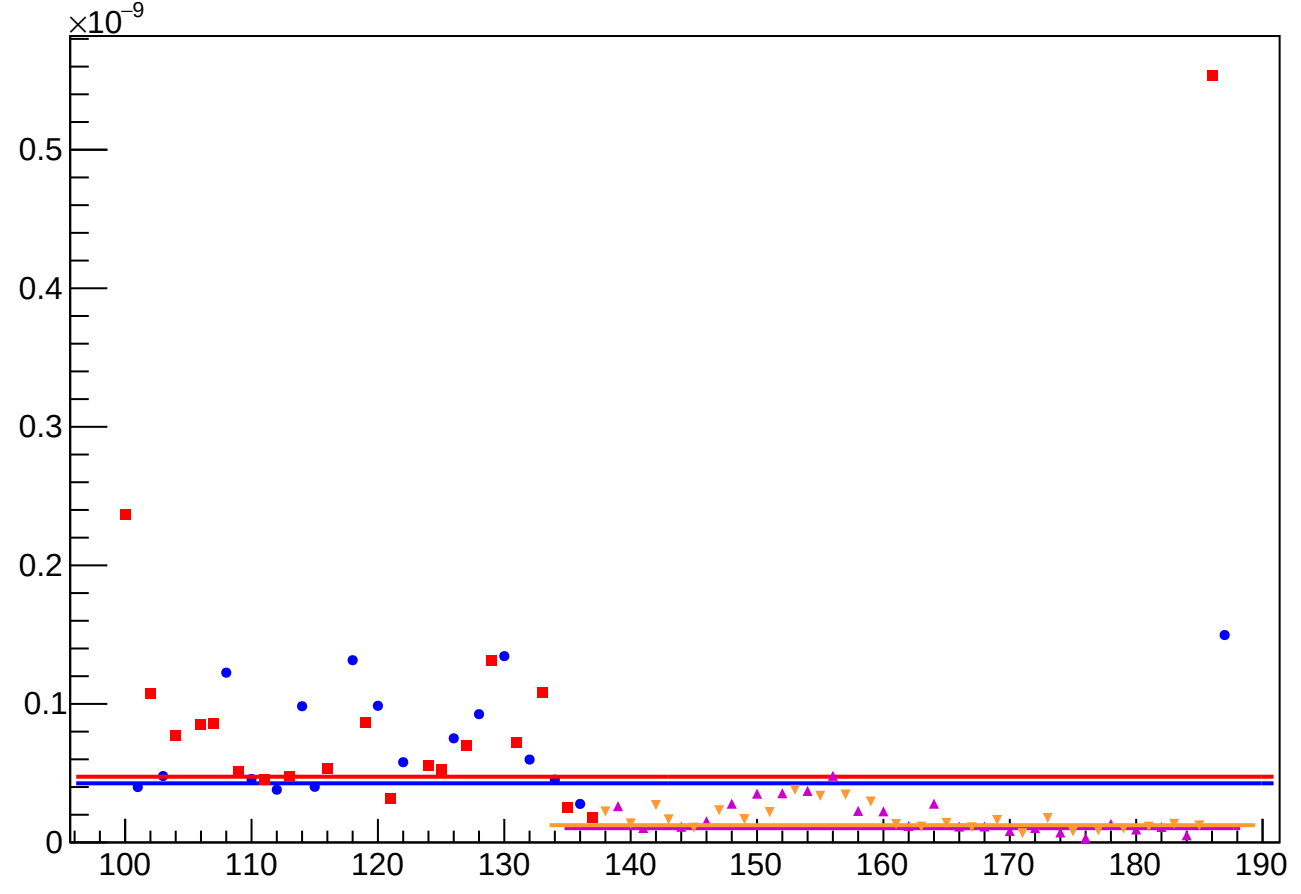
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

\+ sign 872.868+/-0.128 χ^2/NDF: 6400949.0/41

All: 871.412+/-0.091 χ^2/NDF: 13090827.5/84

\- sign 869.920+/-0.129 χ^2/NDF: 6689615.4/42


asym_sam3_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.2/16
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.3/19
Left In: -0.000+/-0.000 χ²/NDF:31.5/22
+ sign -0.000+/-0.000 χ²/NDF: 34.2/41
All: -0.000+/-0.000 χ²/NDF: 97.5/84
- sign -0.000+/-0.000 χ²/NDF: 62.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 1268744.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1643063.5/19

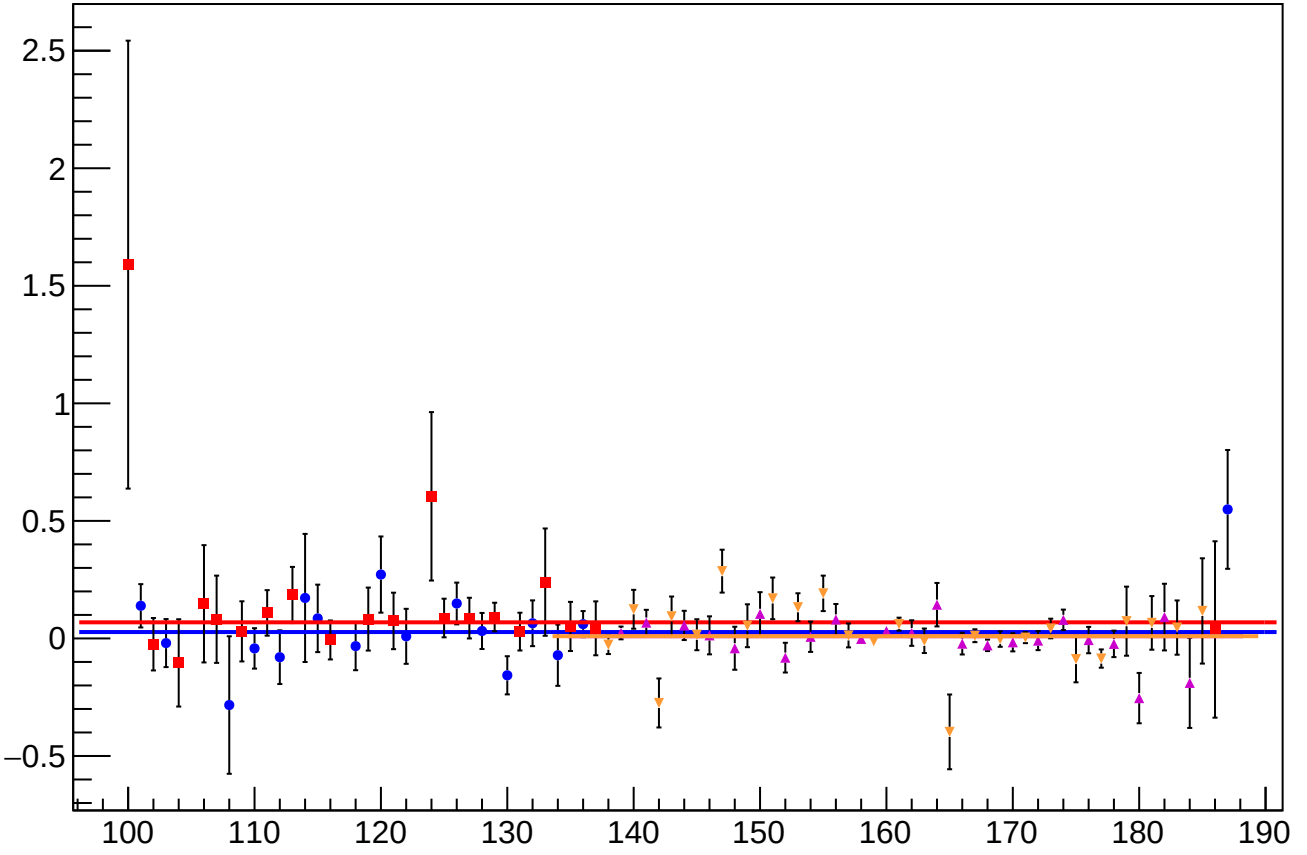
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5855063.6/41

All: 0.000+/-0.000 χ^2/NDF: 14314503.3/84

- sign 0.000+/-0.000 χ^2/NDF: 8251654.4/42

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.068+/-0.025 χ^2/NDF: 9.6/19

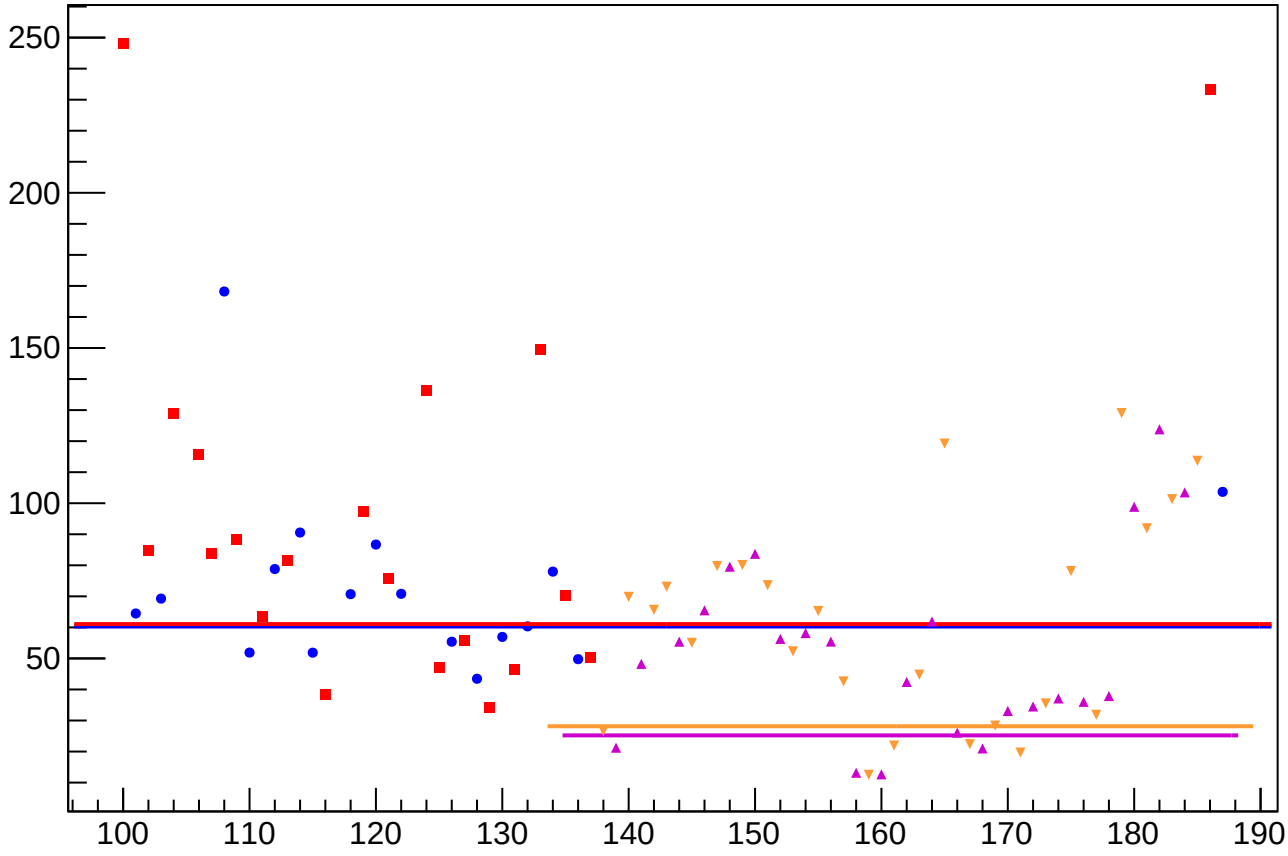
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 74.9/41

All: 0.013+/-0.005 χ^2/NDF: 114.8/84

- sign 0.015+/-0.008 χ^2/NDF: 39.8/42

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 60.281+/-0.017 χ^2/NDF: 758448.1/16

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.060+/-0.018 χ^2/NDF: 2401322.0/19

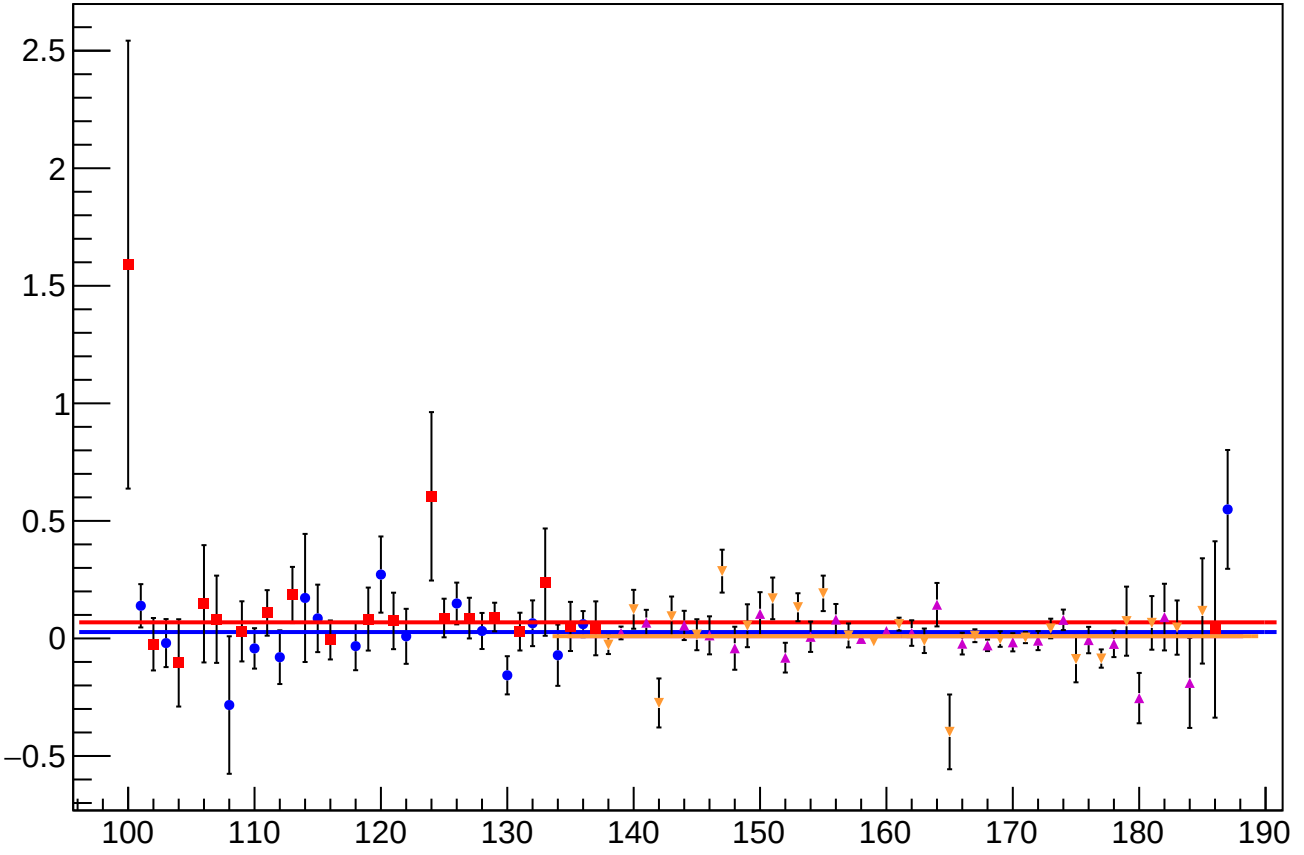
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.558+/-0.006 χ^2/NDF: 14889715.0/41

All: 29.905+/-0.004 χ^2/NDF: 31095995.3/84

- sign 28.427+/-0.005 χ^2/NDF: 16044380.1/42

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.068+/-0.025 χ^2/NDF: 9.6/19

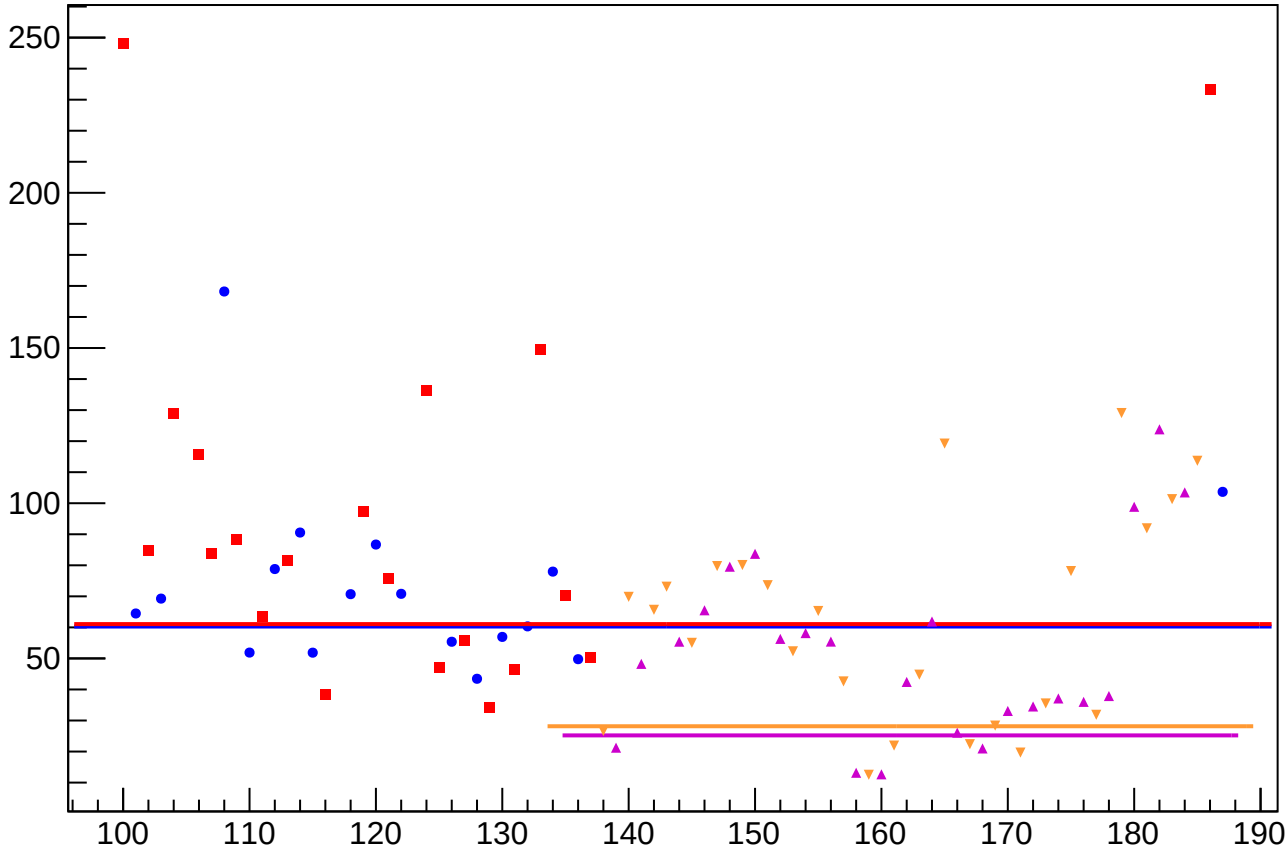
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 74.9/41

All: 0.013+/-0.005 χ^2/NDF: 114.8/84

- sign 0.015+/-0.008 χ^2/NDF: 39.8/42

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.281+/-0.017 χ^2/NDF: 758448.1/16

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.060+/-0.018 χ^2/NDF: 2401322.0/19

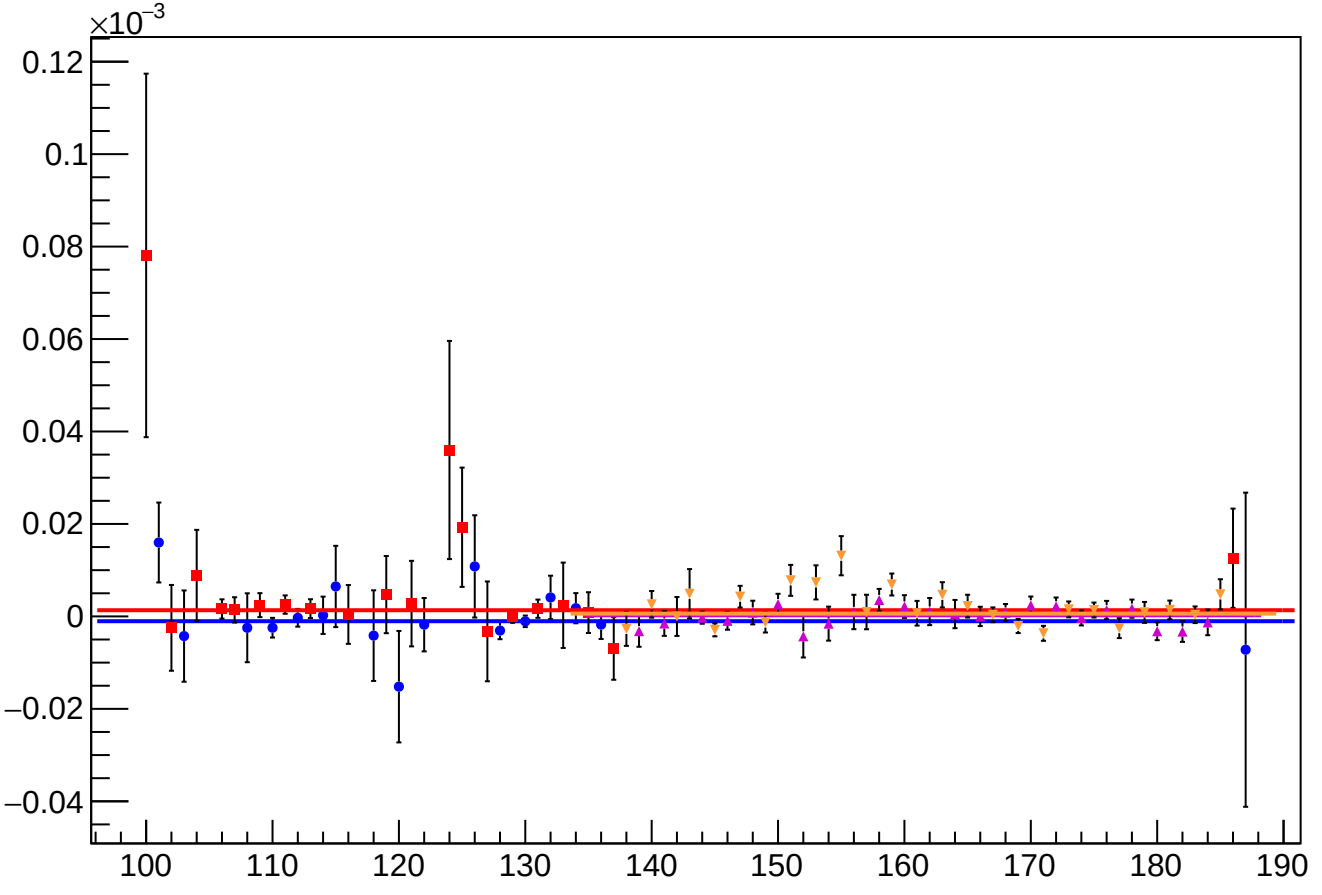
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 31.558+/-0.006 χ^2/NDF: 14889715.0/41

All: 29.905+/-0.004 χ^2/NDF: 31095995.3/84

- sign 28.427+/-0.005 χ^2/NDF: 16044380.1/42

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.6/19

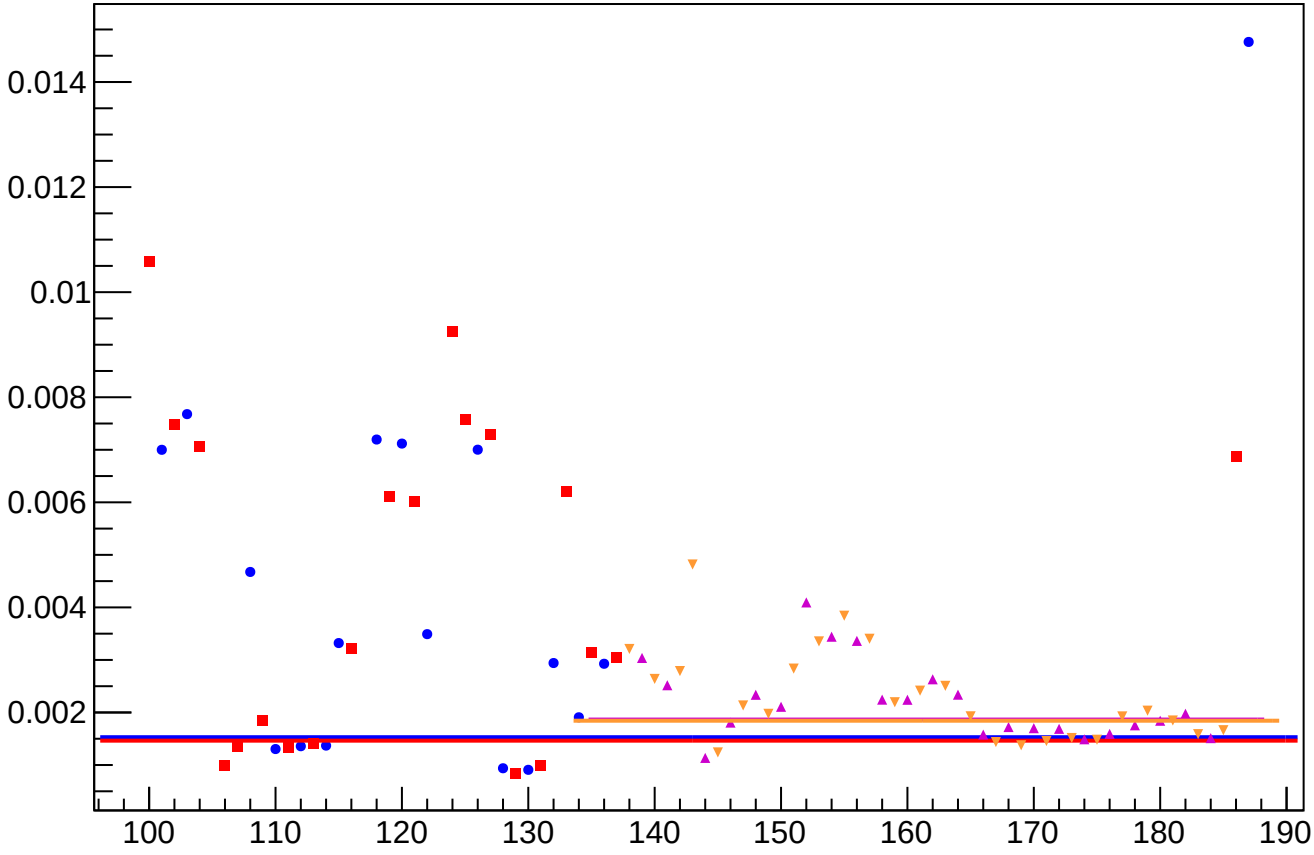
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.3/41

All: 0.000+/-0.000 χ^2/NDF: 99.6/84

- sign 0.000+/-0.000 χ^2/NDF: 31.8/42

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5486364.4/16

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6299963.4/19

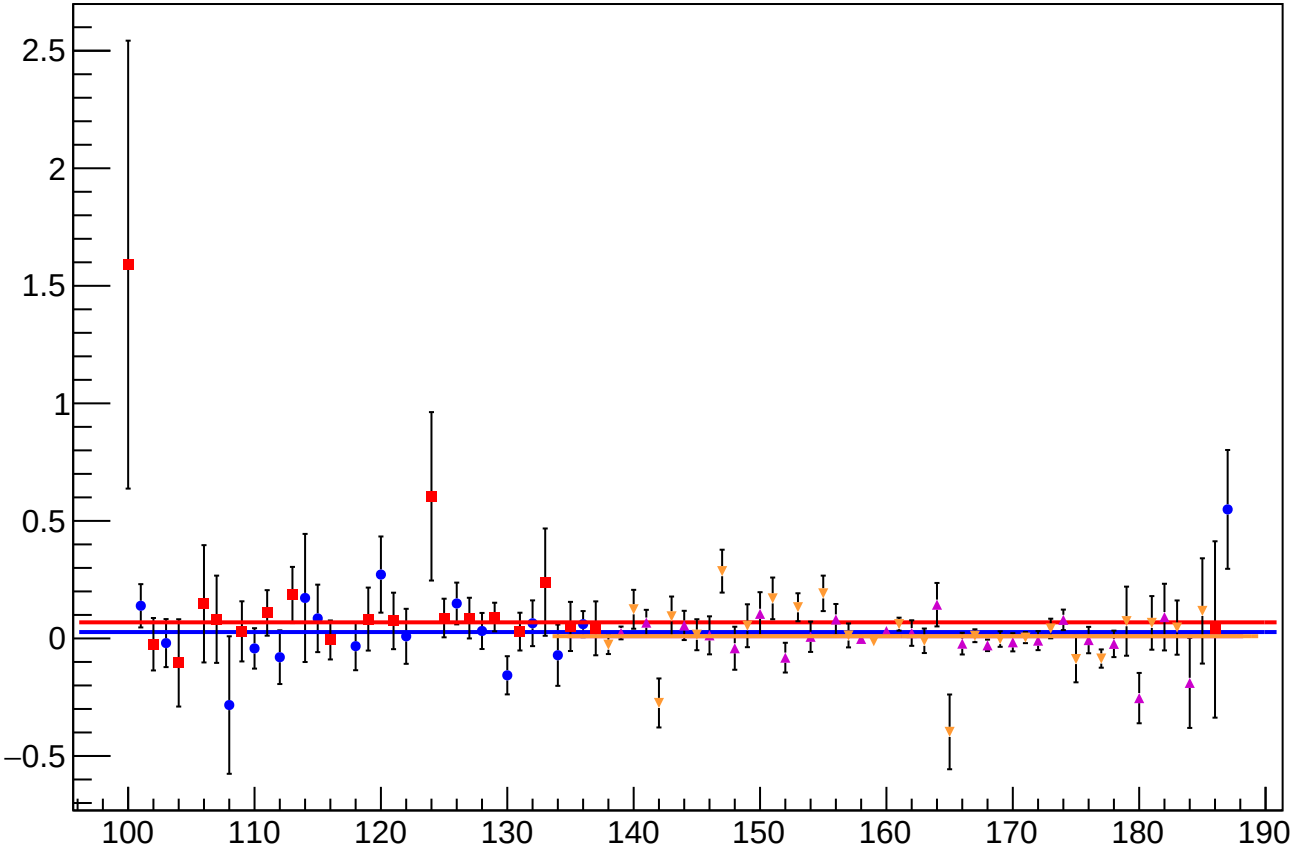
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 9535173.8/41

All: 0.002+/-0.000 χ^2/NDF: 19093376.6/84

- sign 0.002+/-0.000 χ^2/NDF: 9556454.4/42

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/19

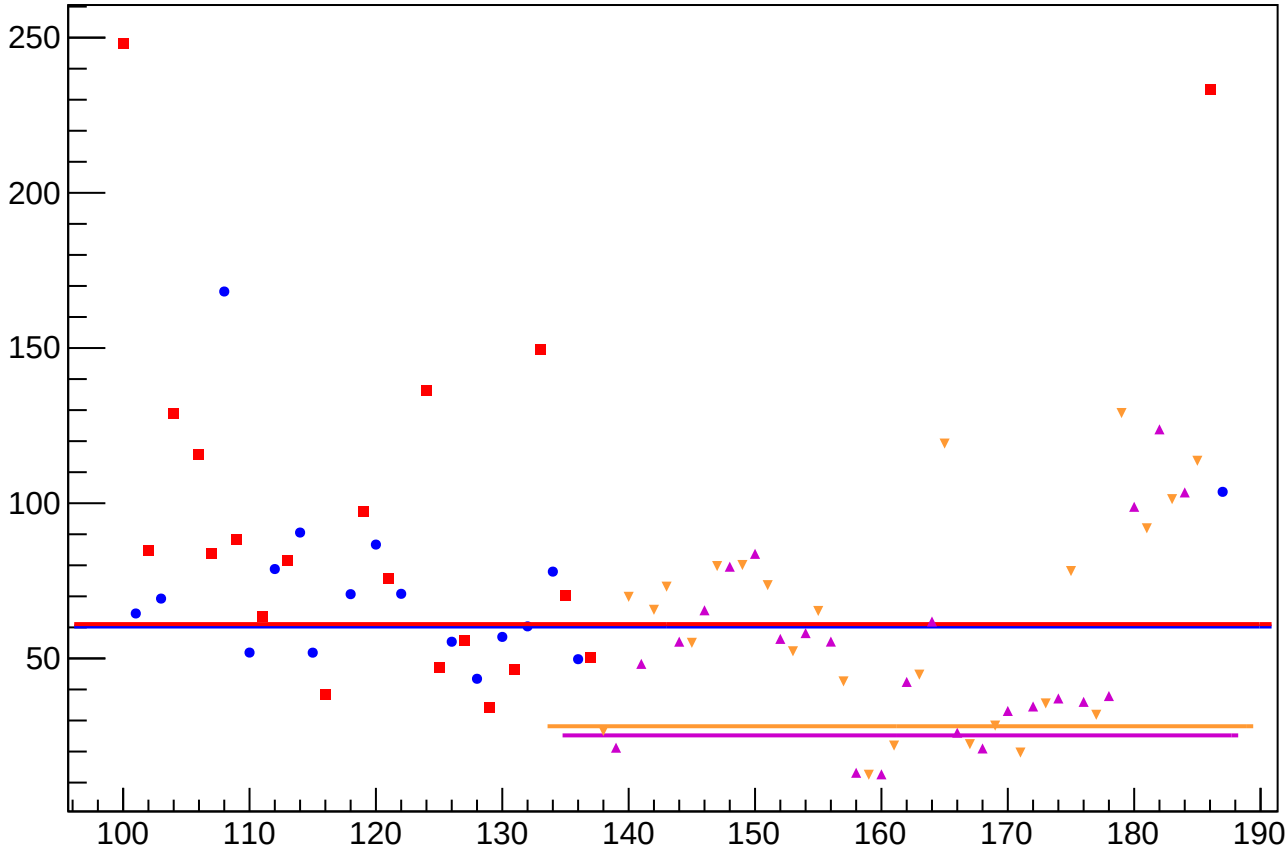
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 74.9/41

All: 0.013+/-0.005 χ^2/NDF: 114.8/84

- sign 0.015+/-0.008 χ^2/NDF: 39.8/42

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.282+/-0.017 χ^2/NDF: 758508.8/16

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.061+/-0.018 χ^2/NDF: 2401398.1/19

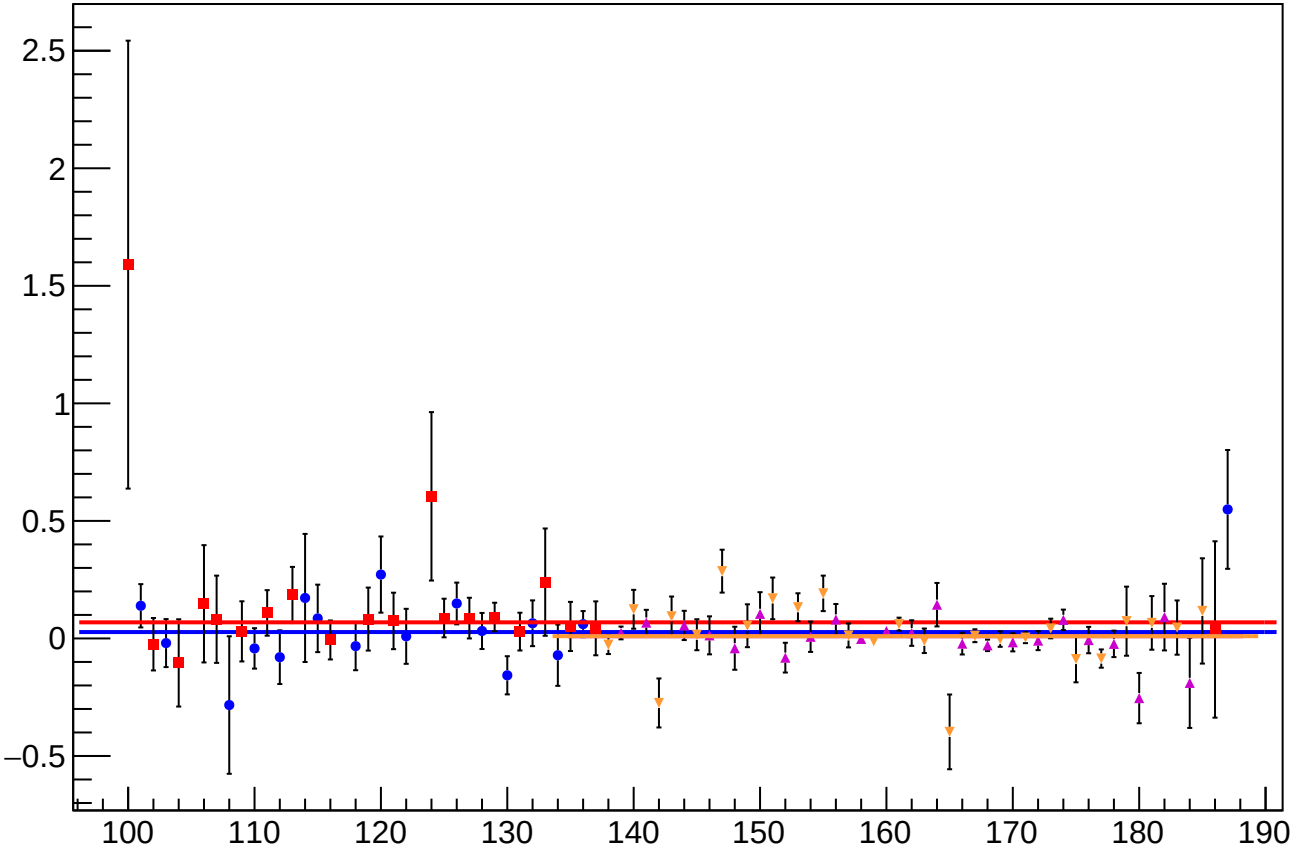
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.557+/-0.006 χ^2/NDF: 14891156.9/41

All: 29.904+/-0.004 χ^2/NDF: 31098033.0/84

- sign 28.427+/-0.005 χ^2/NDF: 16045056.8/42

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

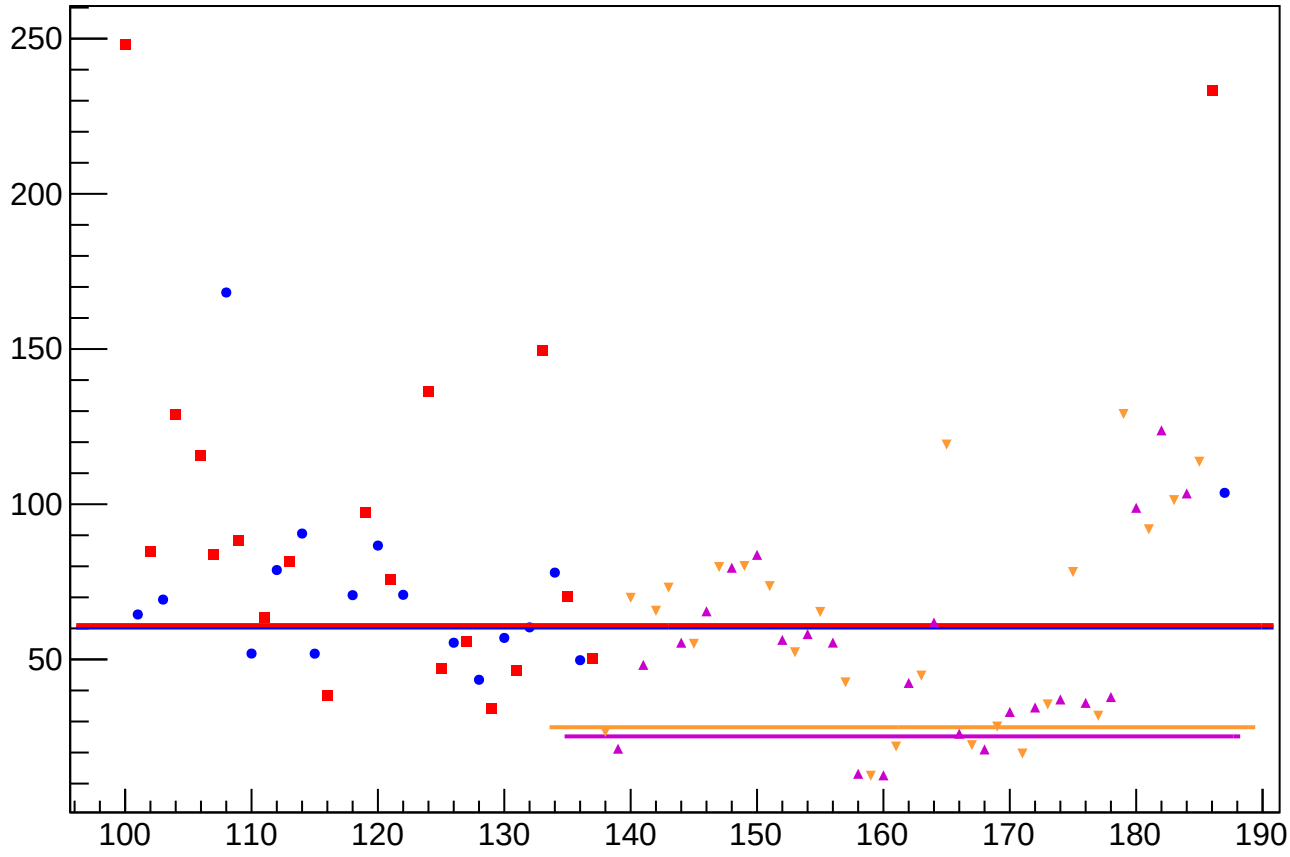
Right Out: 0.069+/-0.025 χ^2/NDF: 9.6/19

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.011+/-0.008 χ^2/NDF: 74.9/41

All: 0.013+/-0.005 χ^2/NDF: 114.8/84

- sign 0.015+/-0.008 χ^2/NDF: 39.8/42



Right In: 60.282+/-0.017 χ^2/NDF: 758508.8/16

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

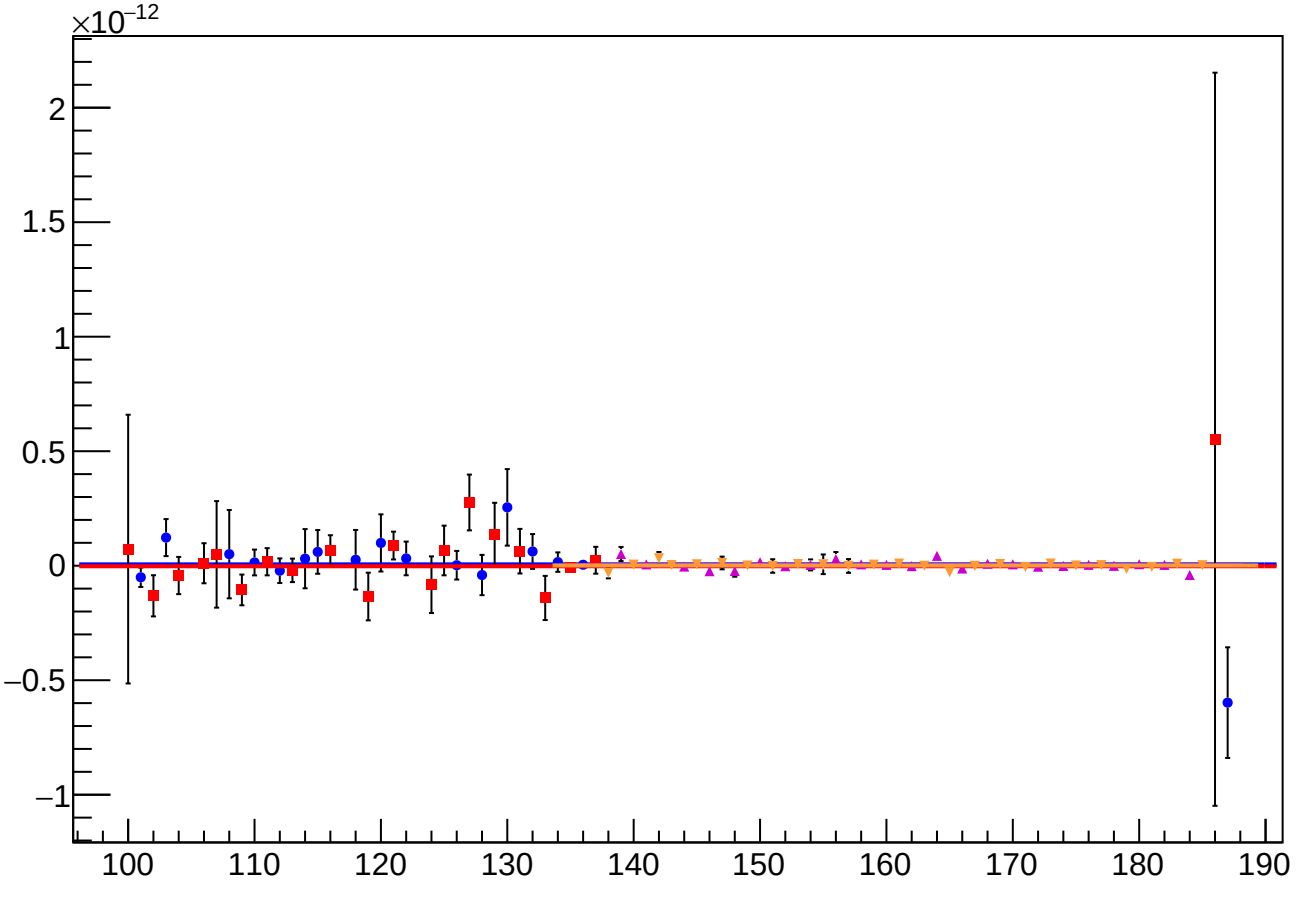
Right Out: 61.061+/-0.018 χ^2/NDF: 2401398.1/19

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 31.557+/-0.006 χ^2/NDF: 14891156.9/41

All: 29.904+/-0.004 χ^2/NDF: 31098033.0/84

- sign 28.427+/-0.005 χ^2/NDF: 16045056.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

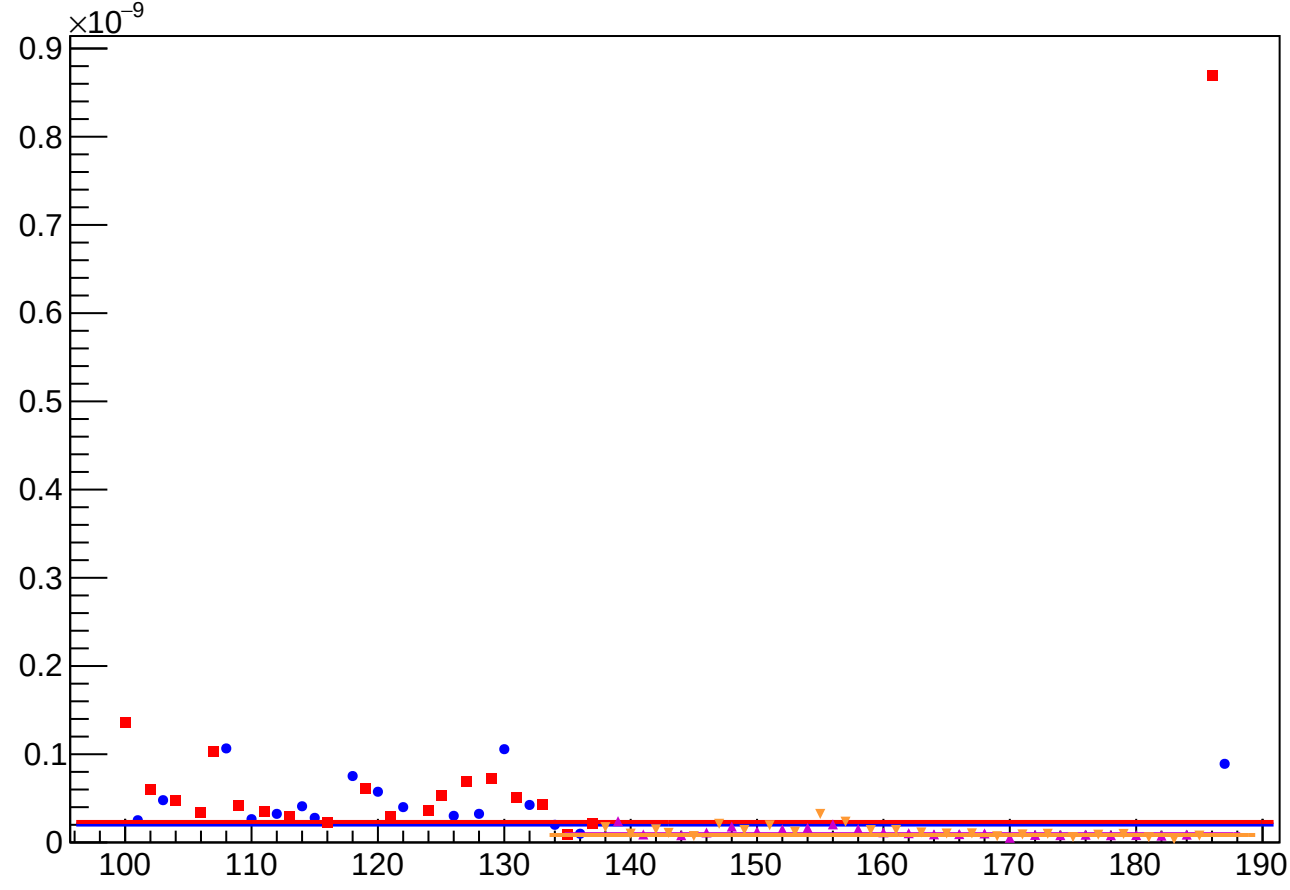
Right Out: -0.000+/-0.000 χ^2/NDF: 19.8/19

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 26.0/41

All: 0.000+/-0.000 χ^2/NDF: 66.8/84

- sign 0.000+/-0.000 χ^2/NDF: 40.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 3284248.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4089987.1/19

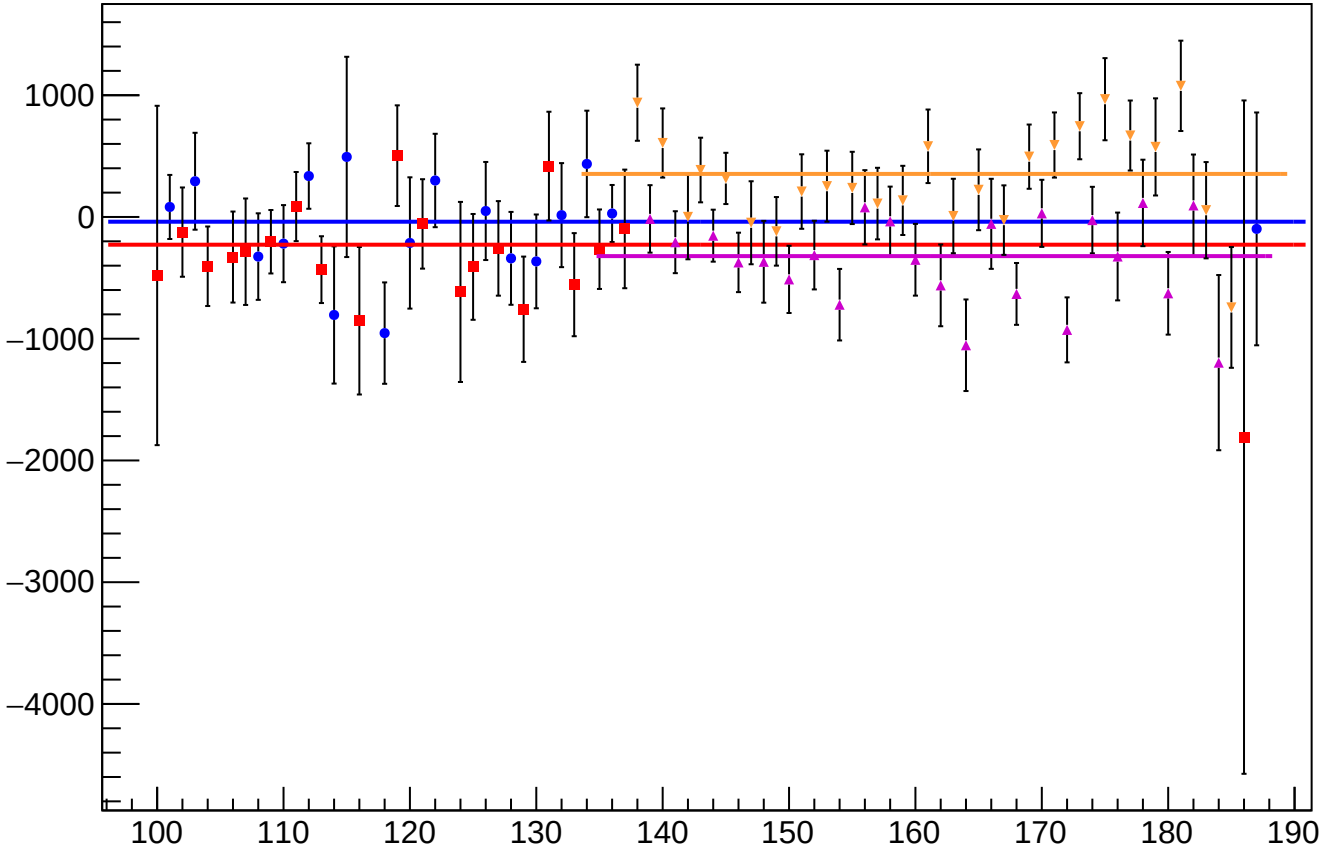
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 9432431.8/41

All: 0.000+/-0.000 χ^2/NDF: 17796251.7/84

- sign 0.000+/-0.000 χ^2/NDF: 8238989.6/42

reg_asym_sam4_mean vs Slug



Right In: -39.027+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -227.765+/-87.864 χ^2/NDF: 11.7/19

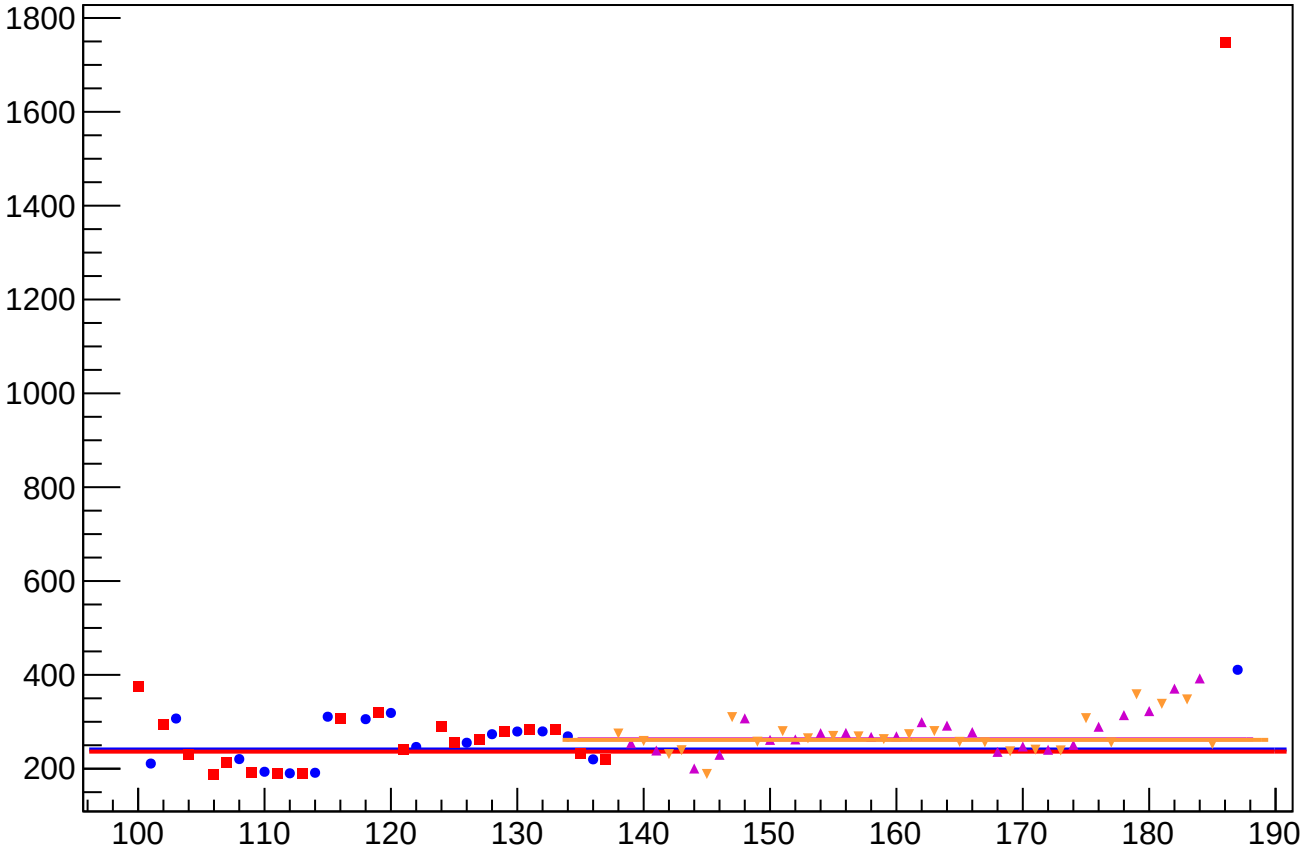
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 232.787+/-50.045 χ^2/NDF: 59.9/41

All: -25.244+/-35.623 χ^2/NDF: 152.5/84

- sign -290.272+/-50.719 χ^2/NDF: 38.7/42

reg_asym_sam4_rms vs Slug



Right In: 240.974+/-0.064 χ^2/NDF: 464598.4/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 236.382+/-0.062 χ^2/NDF: 1079550.1/19

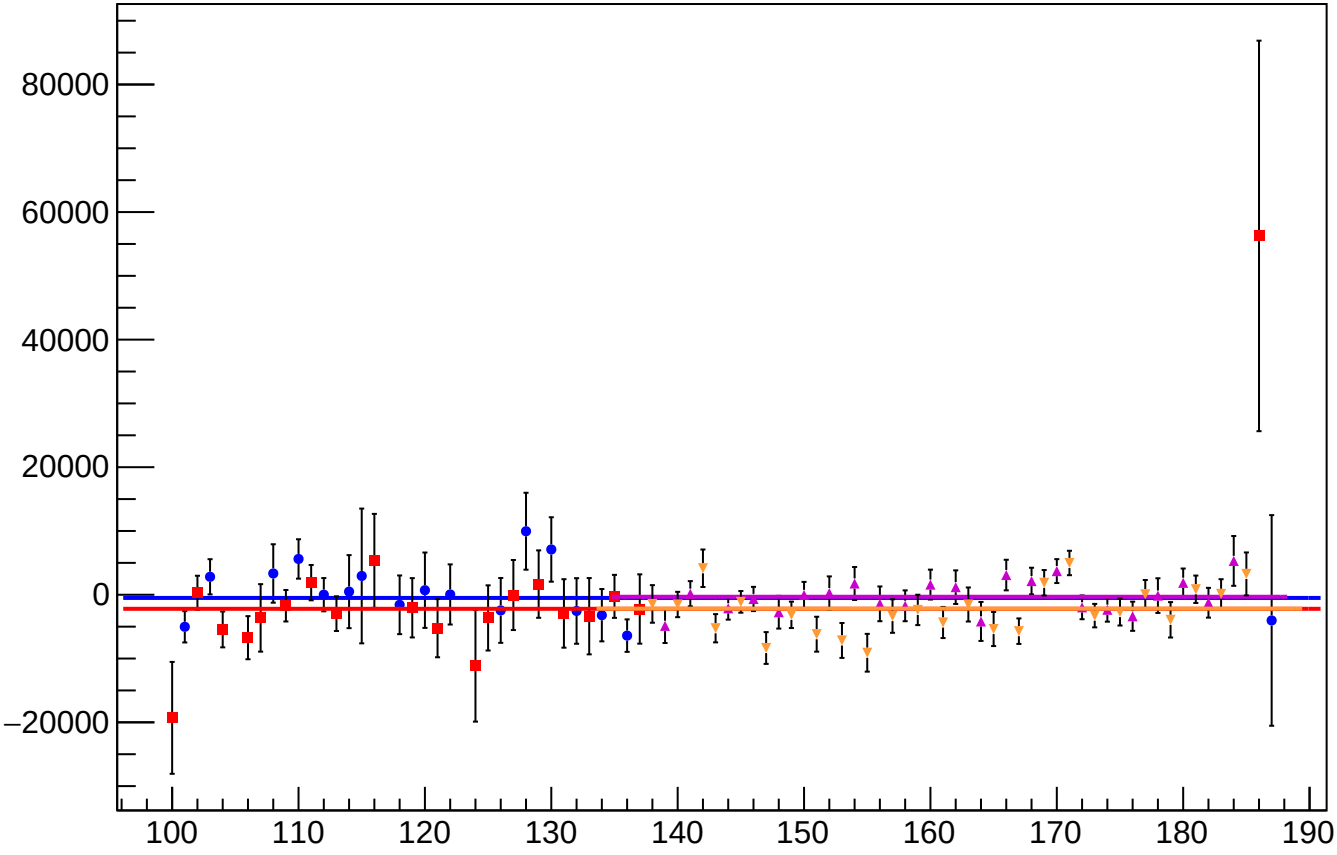
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 255.162+/-0.035 χ^2/NDF: 1251527.8/41

All: 254.527+/-0.025 χ^2/NDF: 3121267.2/84

- sign 253.874+/-0.036 χ^2/NDF: 1869085.7/42

asym_sam4_reg_correction_mean vs Slug



Right In: -497.553+/-945.903 χ^2/NDF: 21.2/16

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2202.025+/-893.790 χ^2/NDF: 17.5/19

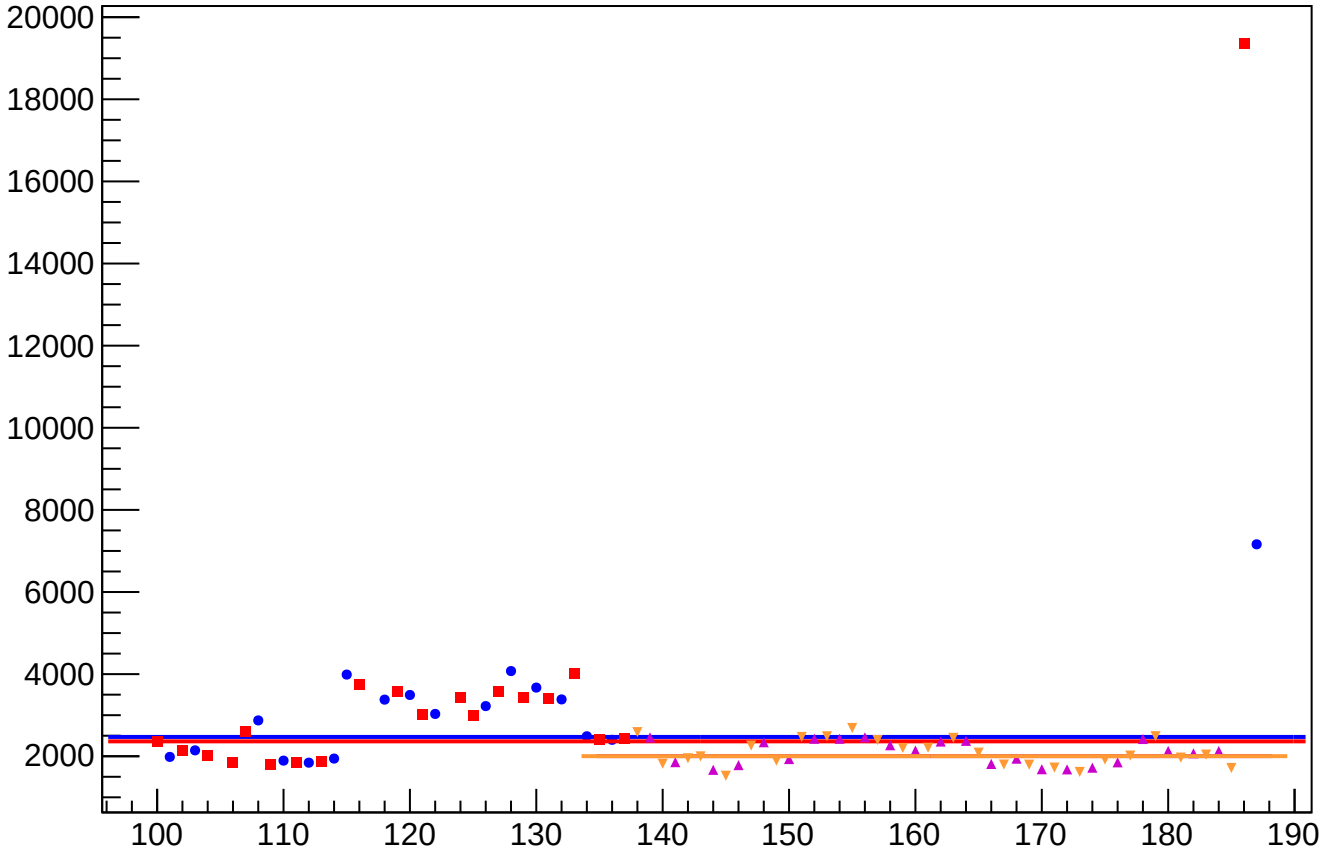
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1849.754+/-414.875 χ^2/NDF: 79.2/41

All: -1294.354+/-294.745 χ^2/NDF: 127.5/84

- sign -728.353+/-418.816 χ^2/NDF: 44.7/42

asym_sam4_reg_correction_rms vs Slug



Right In: 2470.548+/-0.669 χ^2/NDF: 1056352.0/16

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2362.944+/-0.632 χ^2/NDF: 1669269.0/19

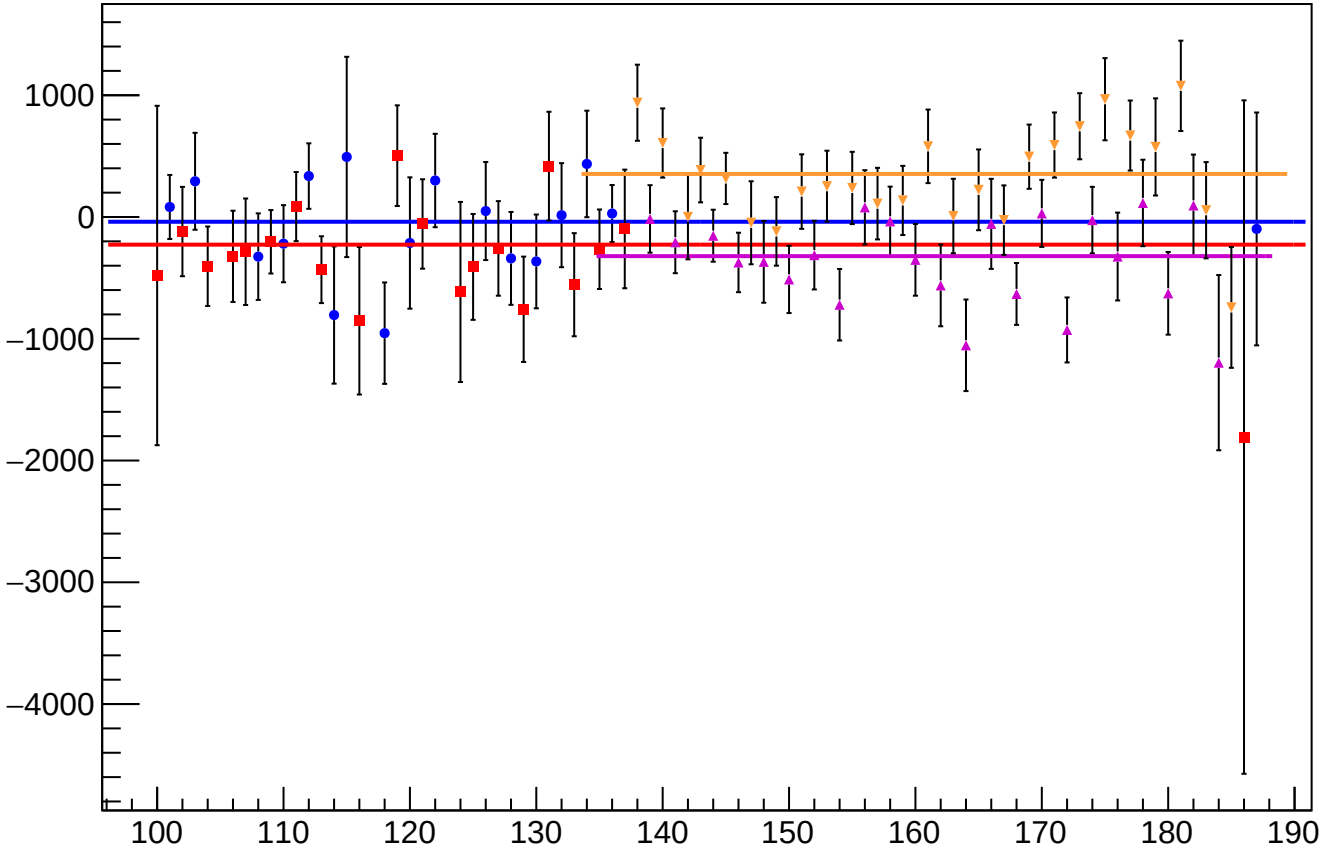
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2092.320+/-0.293 χ^2/NDF: 2345001.0/41

All: 2087.706+/-0.208 χ^2/NDF: 4971083.9/84

- sign 2083.004+/-0.296 χ^2/NDF: 2625583.4/42

cor_asym_sam4_mean vs Slug



Right In: -39.049+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -227.112+/-87.877 χ^2/NDF: 11.7/19

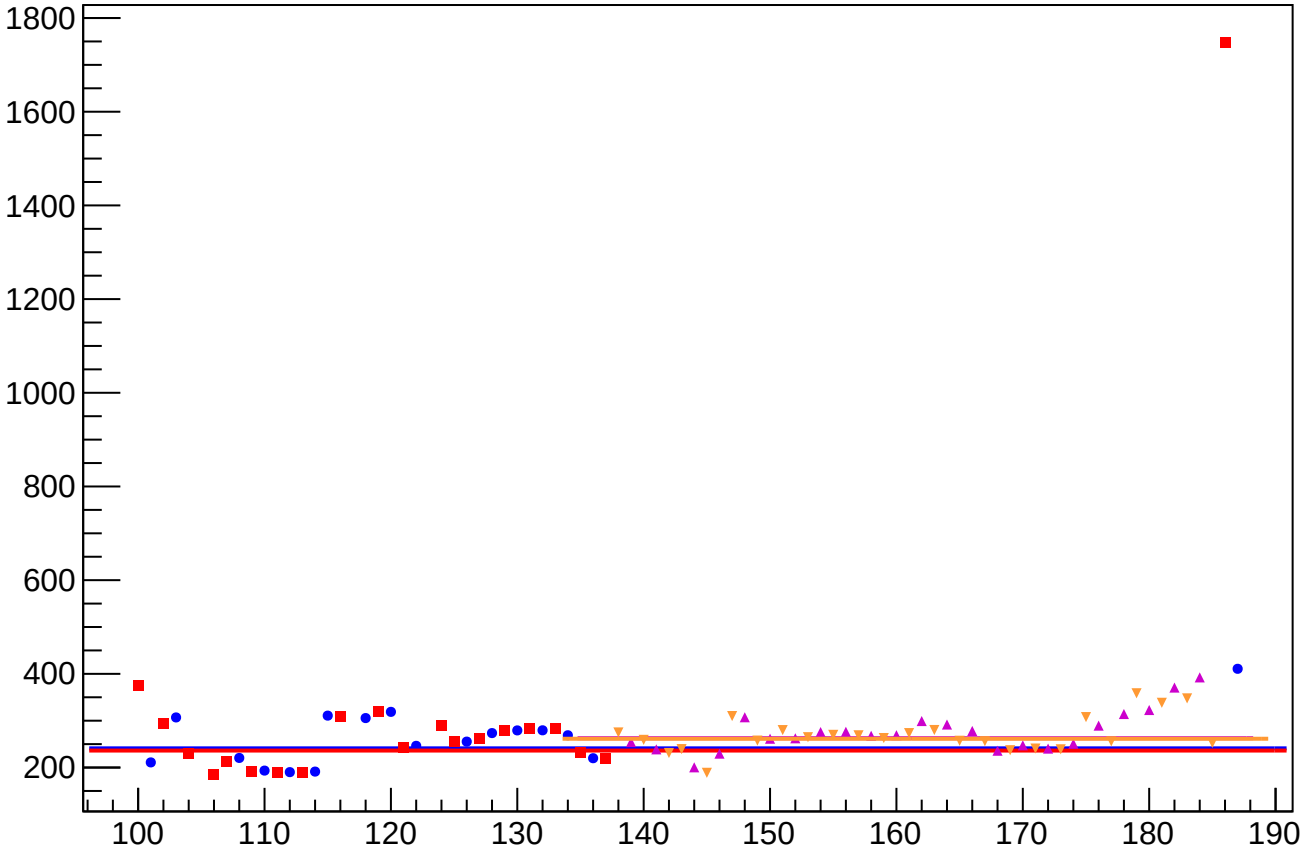
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 232.796+/-50.045 χ^2/NDF: 59.9/41

All: -25.123+/-35.624 χ^2/NDF: 152.5/84

- sign -290.064+/-50.722 χ^2/NDF: 38.7/42

cor_asym_sam4_rms vs Slug



Right In: 240.974+/-0.064 χ^2/NDF: 464600.8/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 236.260+/-0.062 χ^2/NDF: 1083169.1/19

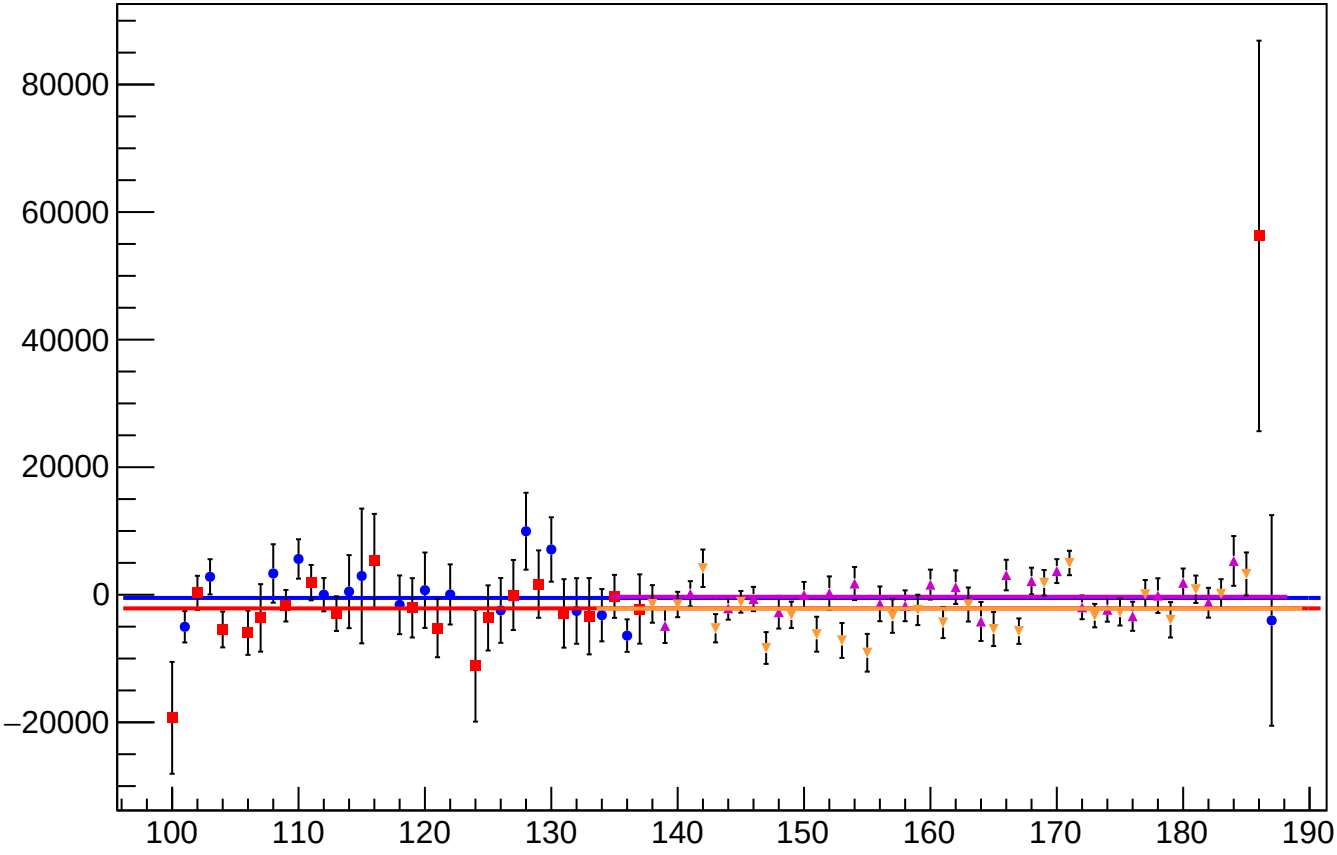
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 255.163+/-0.035 χ^2/NDF: 1251529.8/41

All: 254.508+/-0.025 χ^2/NDF: 3126003.4/84

- sign 253.836+/-0.036 χ^2/NDF: 1873780.2/42

asym_sam4_cor_correction_mean vs Slug



Right In: -497.724+/-945.911 χ^2/NDF: 21.2/16

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2134.829+/-895.479 χ^2/NDF: 16.9/19

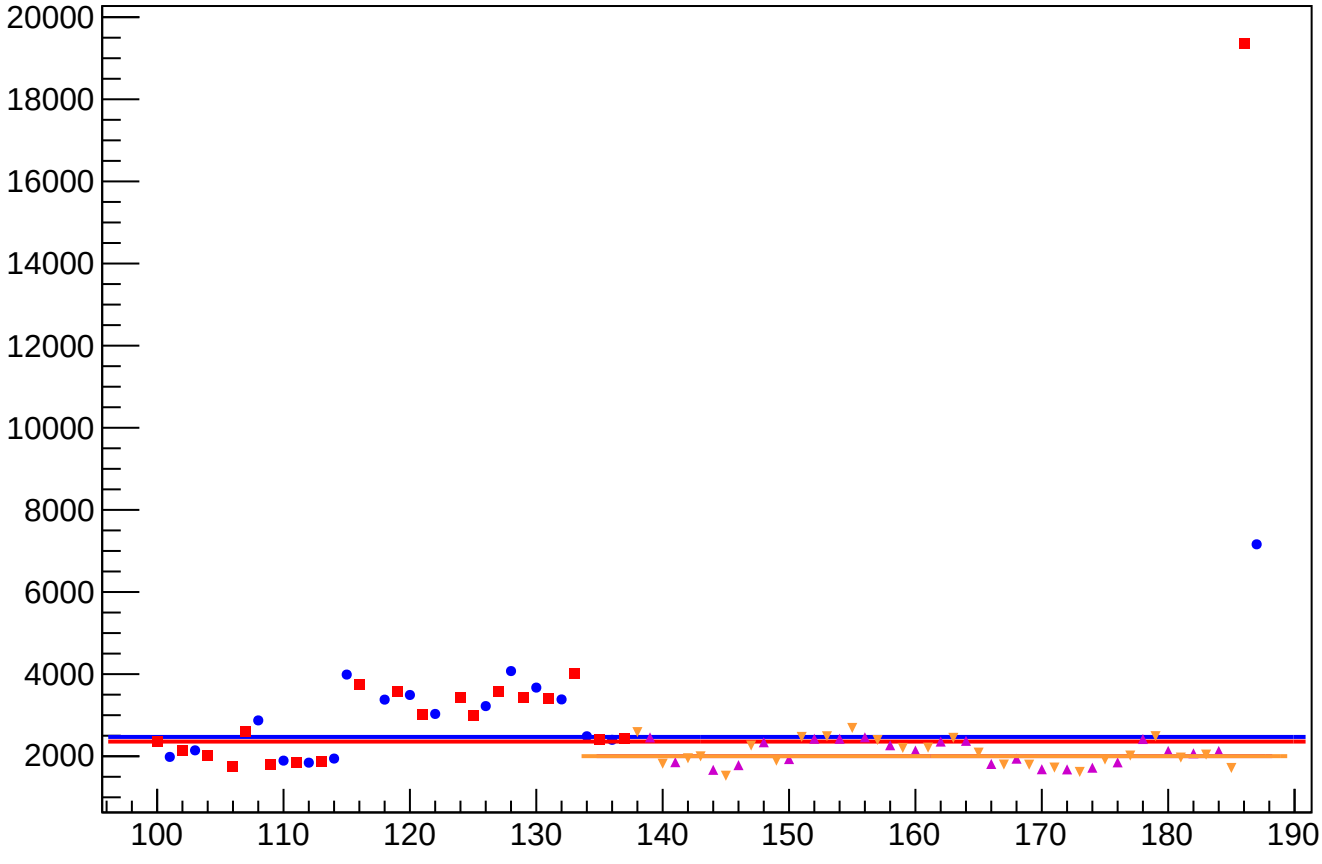
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1849.768+/-414.876 χ^2/NDF: 79.2/41

All: -1286.708+/-294.805 χ^2/NDF: 126.7/84

- sign -712.426+/-418.990 χ^2/NDF: 43.8/42

asym_sam4_cor_correction_rms vs Slug



Right In: 2470.573+/-0.669 χ^2/NDF: 1056318.8/16

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

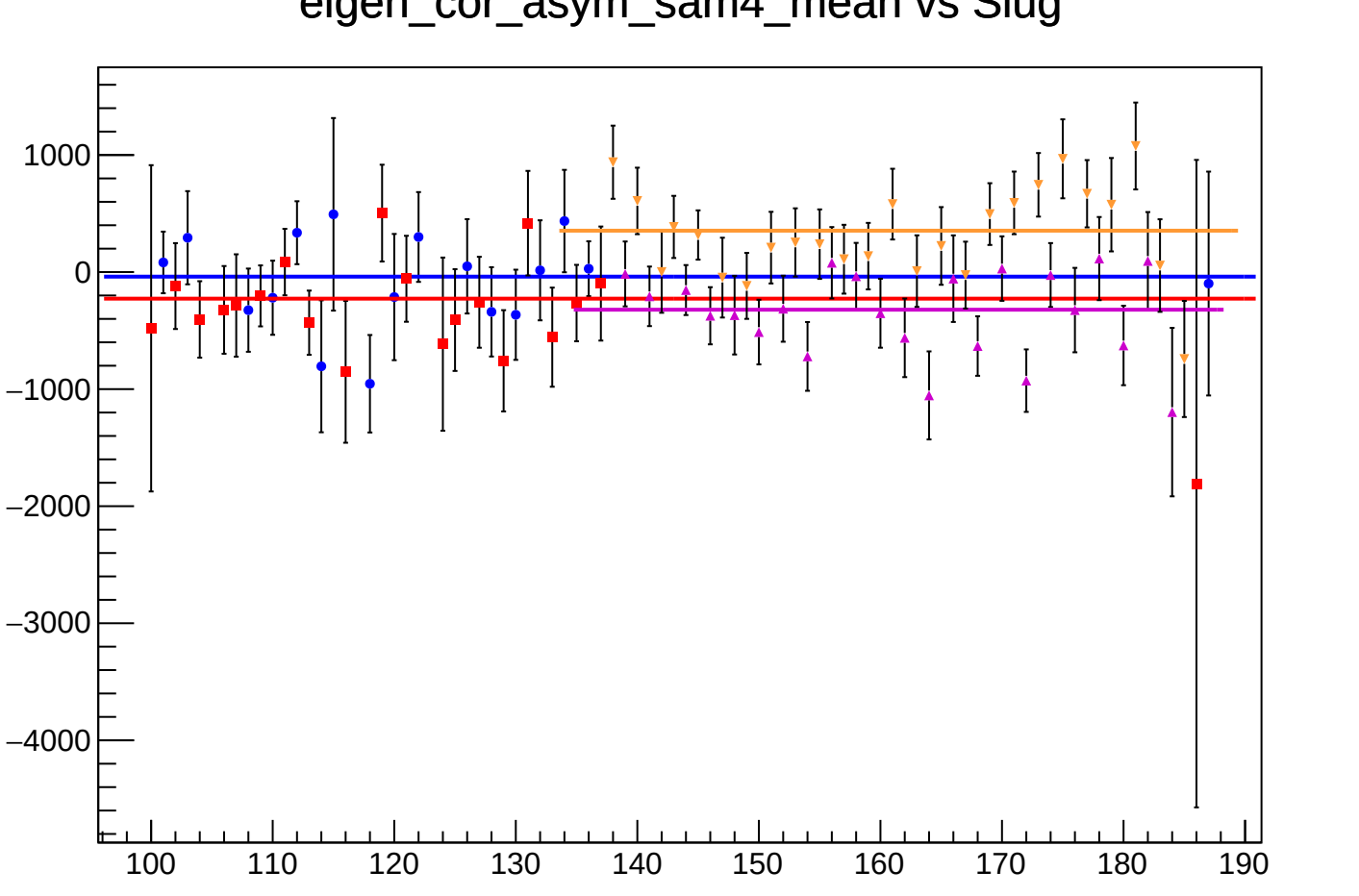
Right Out: 2357.513+/-0.633 χ^2/NDF: 1687631.5/19

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2092.324+/-0.293 χ^2/NDF: 2345003.5/41

All: 2087.007+/-0.208 χ^2/NDF: 4981339.7/84

- sign 2081.584+/-0.296 χ^2/NDF: 2635672.6/42



Right In: -39.049+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -227.112+/-87.877 χ^2/NDF: 11.7/19

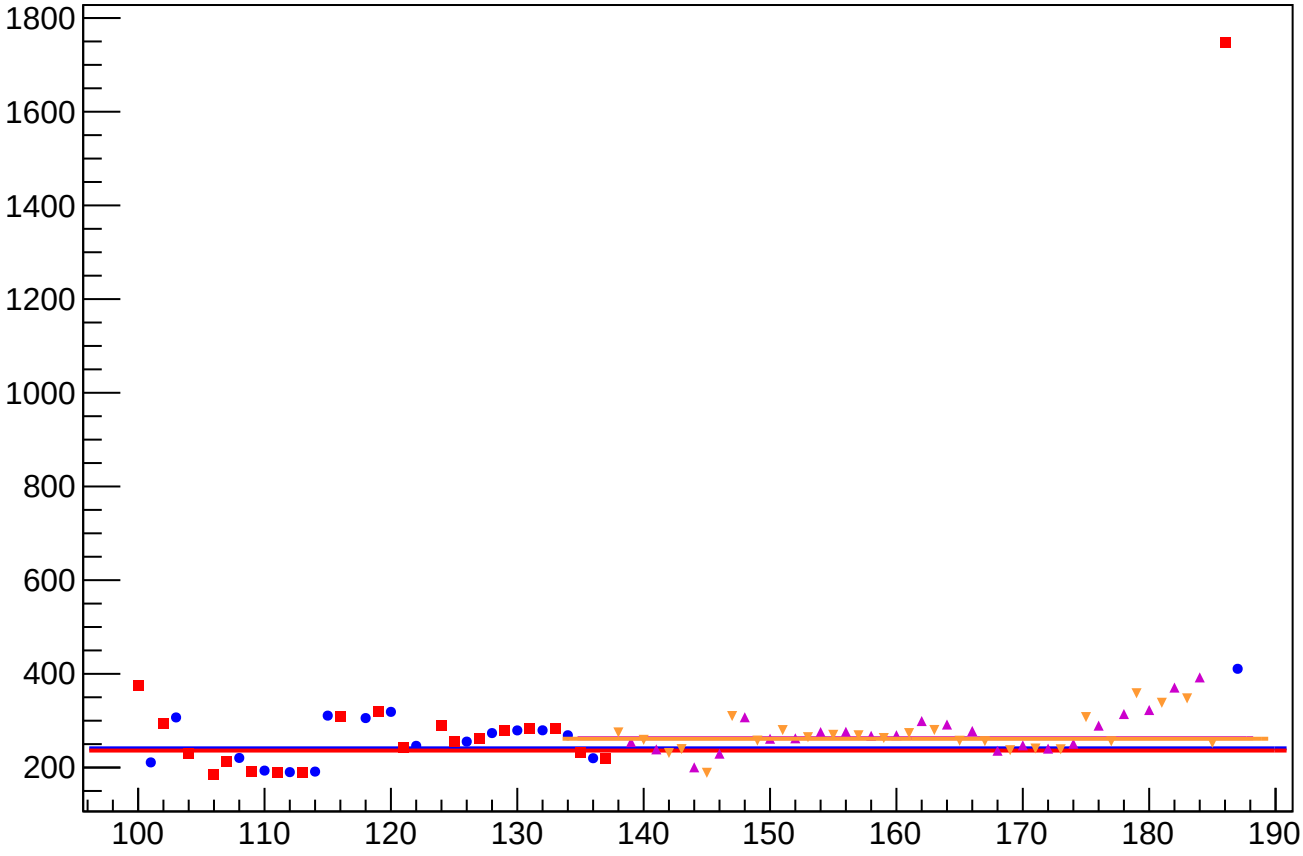
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 232.796+/-50.045 χ^2/NDF: 59.9/41

All: -25.123+/-35.624 χ^2/NDF: 152.5/84

- sign -290.064+/-50.722 χ^2/NDF: 38.7/42

eigen_cor_asym_sam4_rms vs Slug



Right In: 240.974+/-0.064 χ^2/NDF: 464600.8/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 236.260+/-0.062 χ^2/NDF: 1083169.1/19

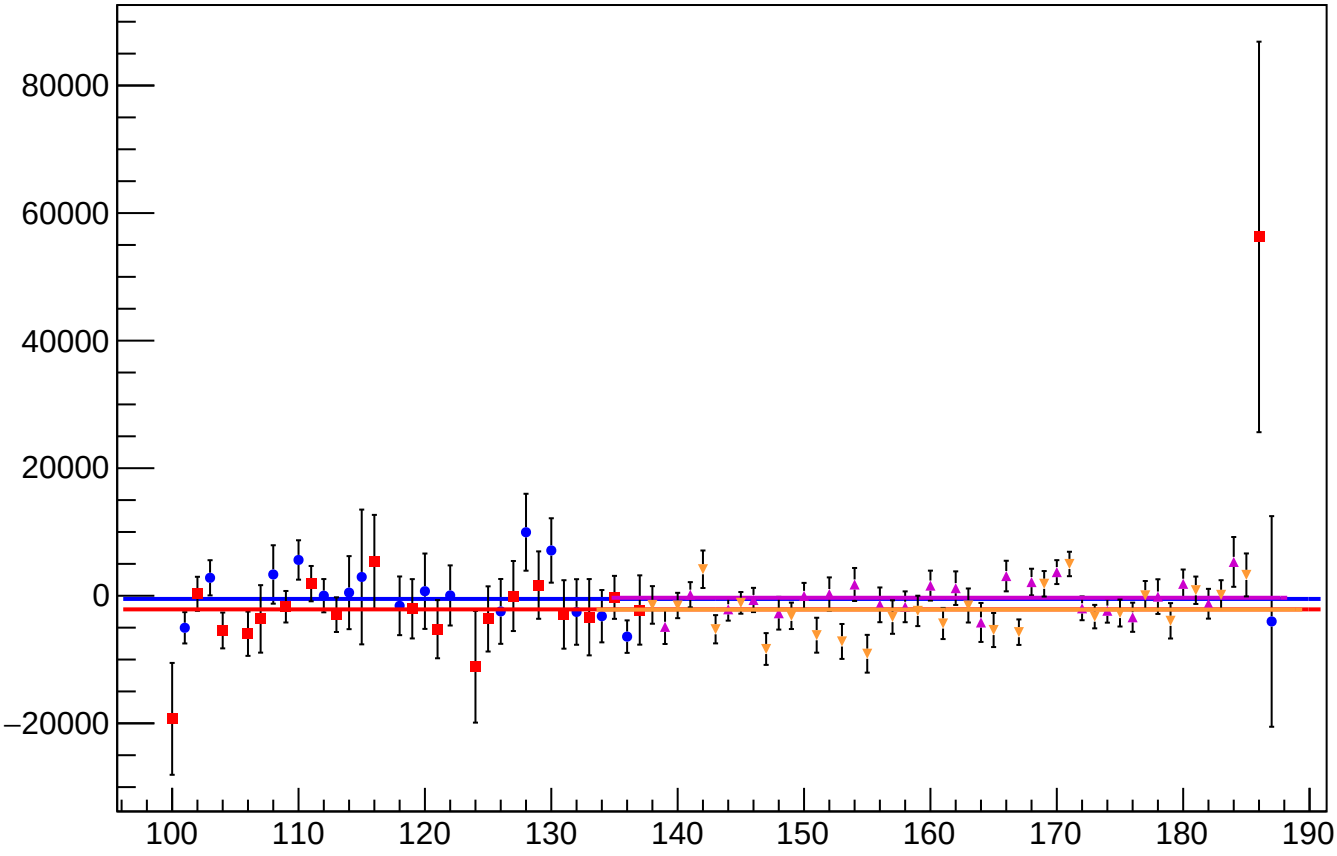
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 255.163+/-0.035 χ^2/NDF: 1251529.8/41

All: 254.508+/-0.025 χ^2/NDF: 3126003.4/84

- sign 253.836+/-0.036 χ^2/NDF: 1873780.2/42

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -497.724+/-945.911 χ^2/NDF: 21.2/16

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2134.829+/-895.479 χ^2/NDF: 16.9/19

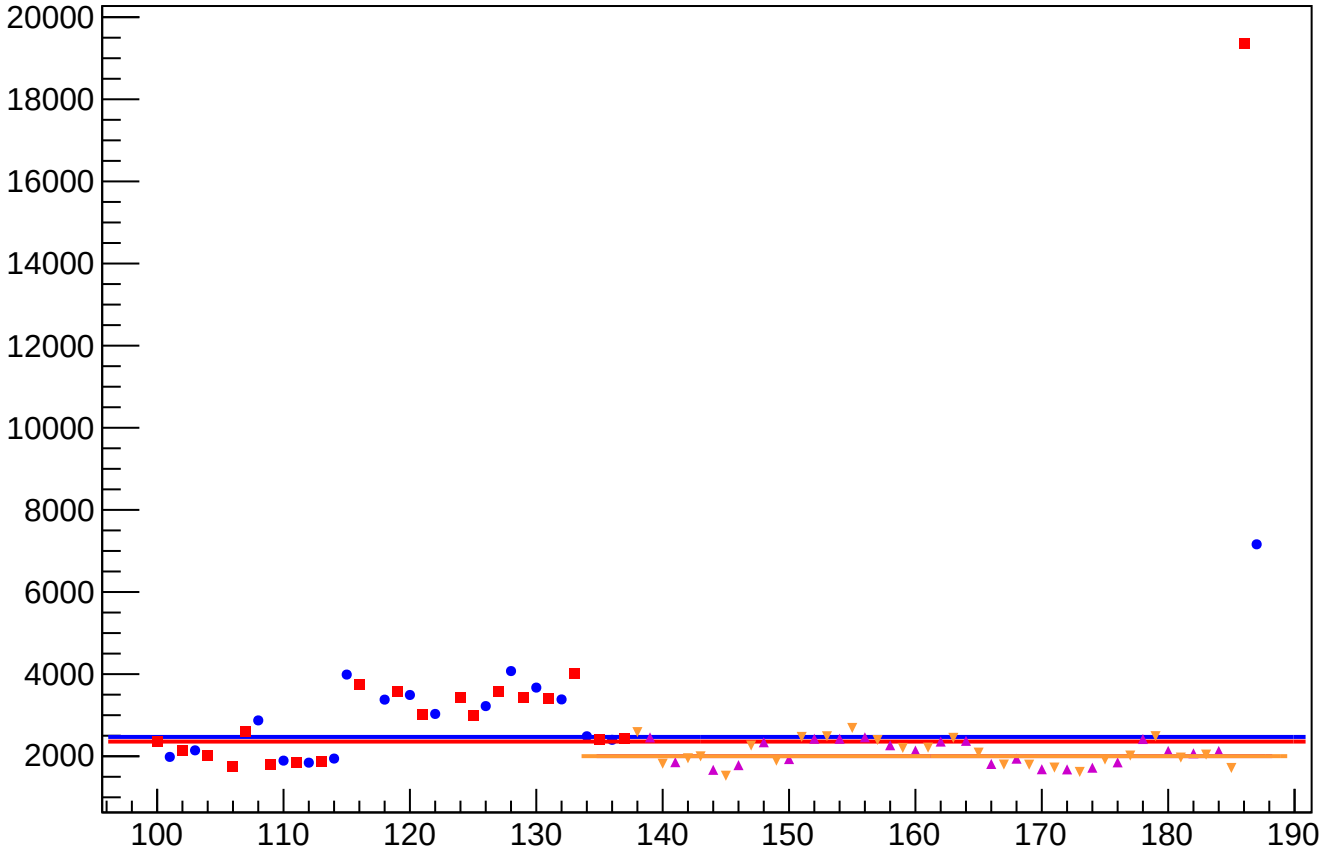
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1849.768+/-414.876 χ^2/NDF: 79.2/41

All: -1286.708+/-294.805 χ^2/NDF: 126.7/84

- sign -712.426+/-418.990 χ^2/NDF: 43.8/42

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2470.573+/-0.669 χ^2/NDF: 1056318.8/16

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2357.513+/-0.633 χ^2/NDF: 1687631.5/19

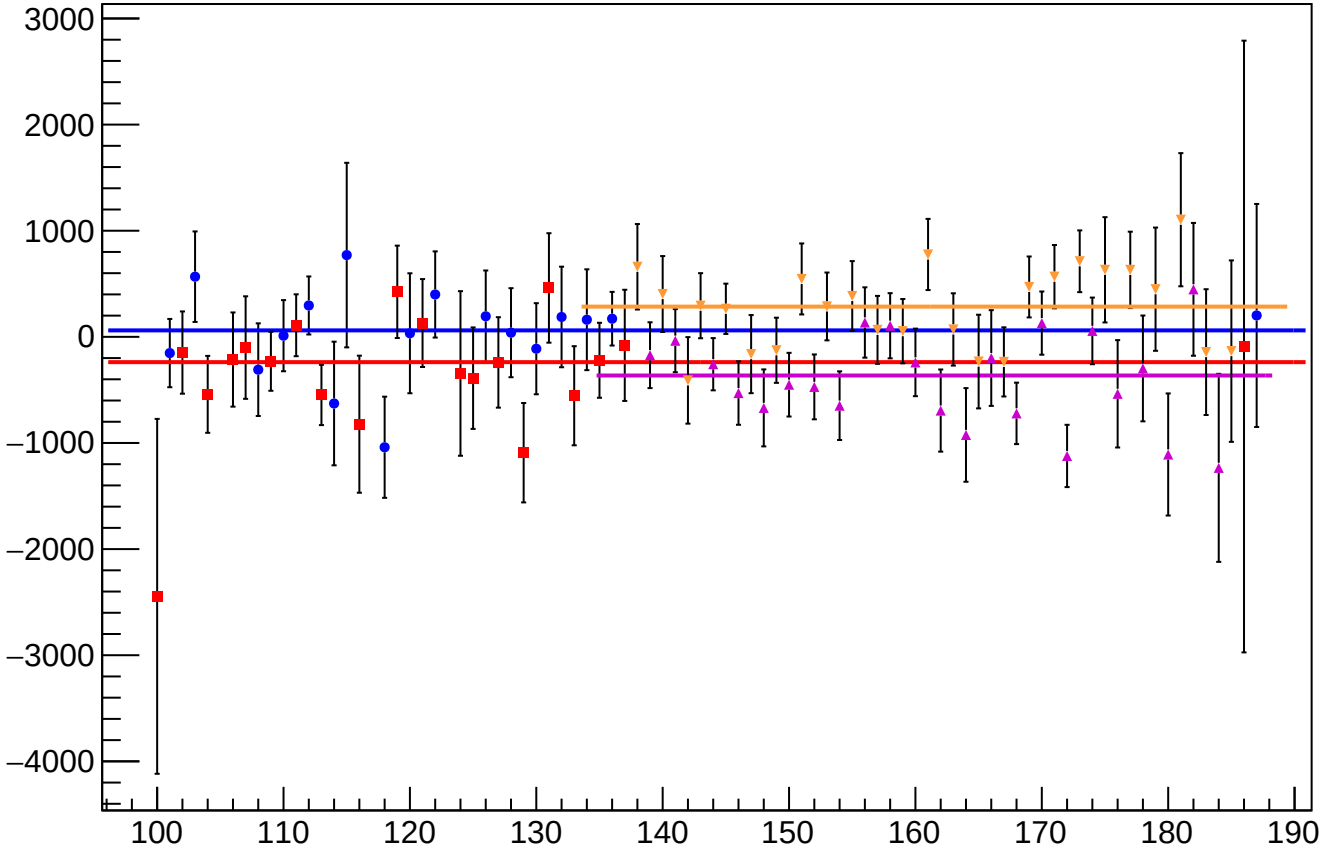
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2092.324+/-0.293 χ^2/NDF: 2345003.5/41

All: 2087.007+/-0.208 χ^2/NDF: 4981339.7/84

- sign 2081.584+/-0.296 χ^2/NDF: 2635672.6/42

dit_asym_sam4_mean vs Slug



Right In: 60.982+/-98.790 χ^2/NDF: 12.0/16

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -238.356+/-95.011 χ^2/NDF: 14.9/19

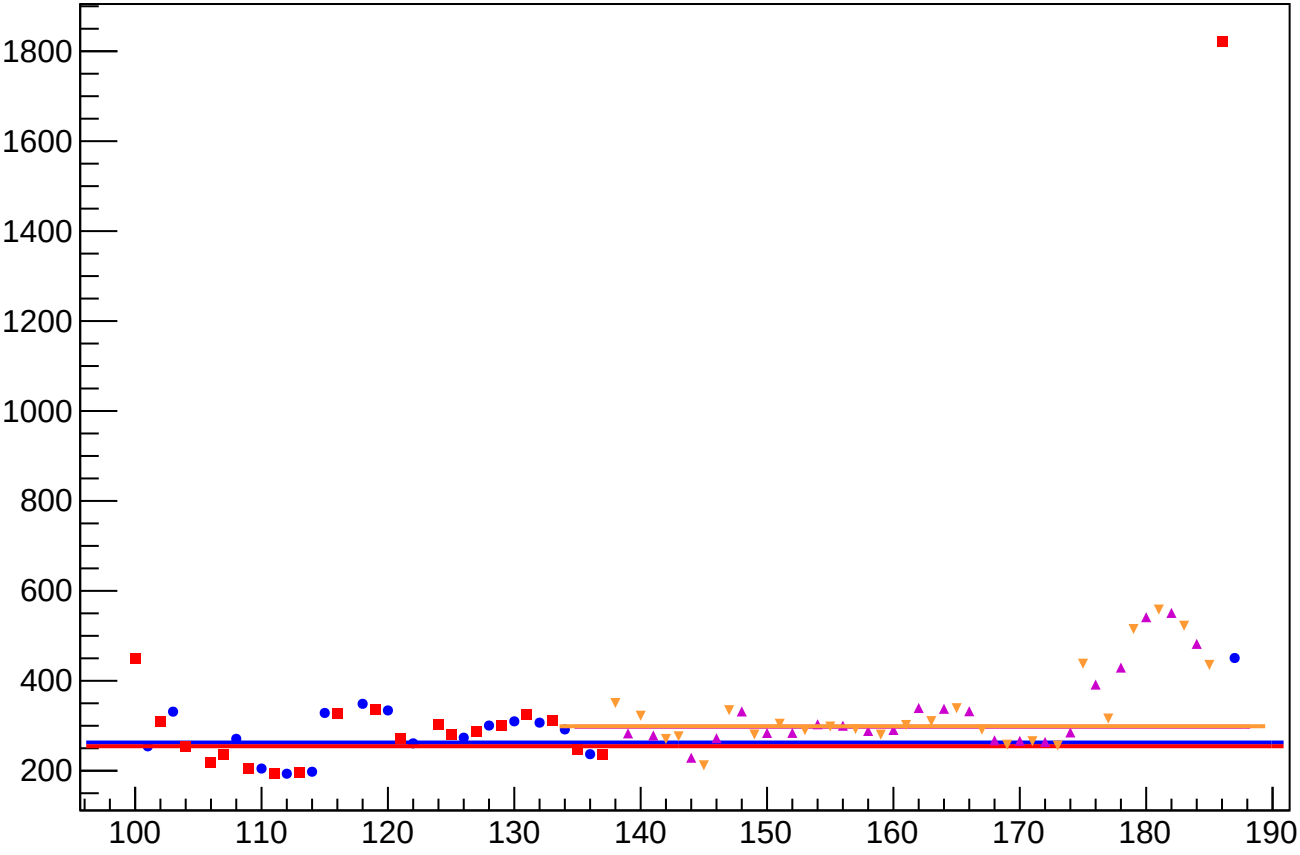
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 210.011+/-57.135 χ^2/NDF: 38.3/41

All: -53.765+/-40.437 χ^2/NDF: 125.2/84

- sign -318.502+/-57.239 χ^2/NDF: 44.3/42

dit_asym_sam4_rms vs Slug



Right In: 262.765+/-0.070 χ^2/NDF: 527209.6/16

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 254.492+/-0.067 χ^2/NDF: 1129113.1/19

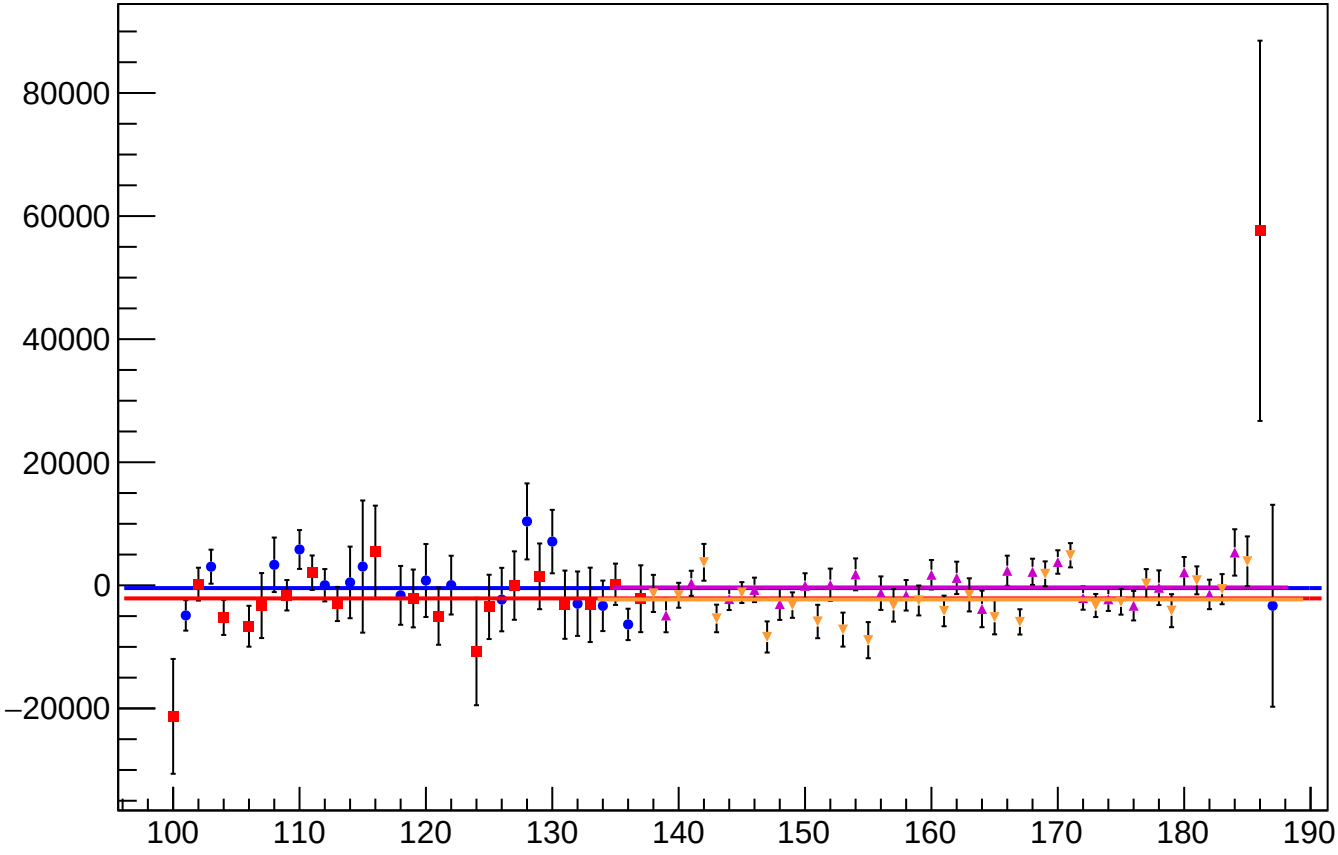
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 286.839+/-0.040 χ^2/NDF: 2318743.8/41

All: 284.491+/-0.029 χ^2/NDF: 5039455.9/84

- sign 282.136+/-0.040 χ^2/NDF: 2713949.7/42

asym_sam4_dit_correction_mean vs Slug



Right In: -446.459+/-953.519 χ^2/NDF: 21.2/16

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2121.275+/-900.719 χ^2/NDF: 17.7/19

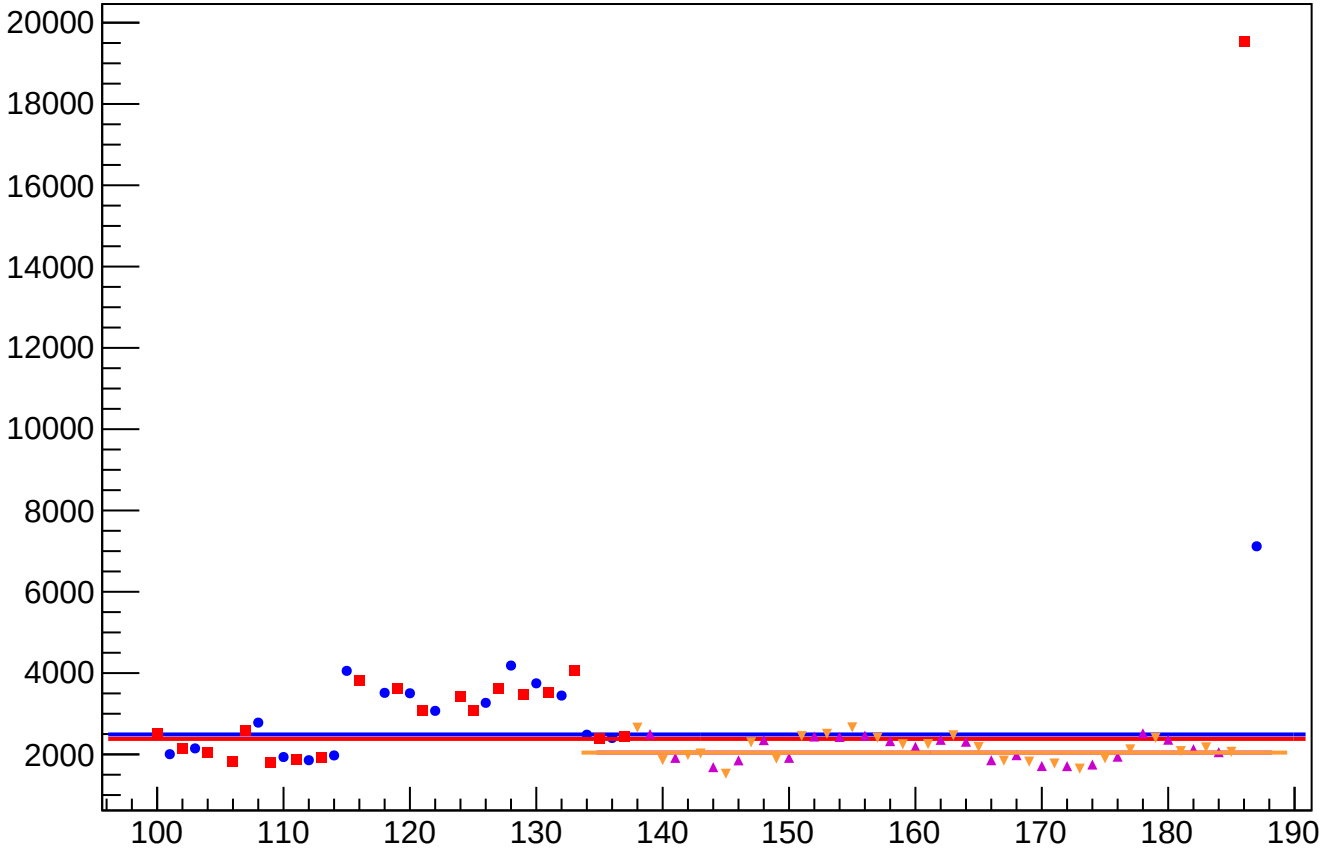
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -1929.803+/-421.943 χ^2/NDF: 75.9/41

All: -1341.004+/-299.809 χ^2/NDF: 123.4/84

- sign -740.615+/-426.076 χ^2/NDF: 43.6/42

asym_sam4_dit_correction_rms vs Slug



Right In: 2490.310+/-0.674 χ^2/NDF: 1075989.8/16

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2380.816+/-0.637 χ^2/NDF: 1694364.2/19

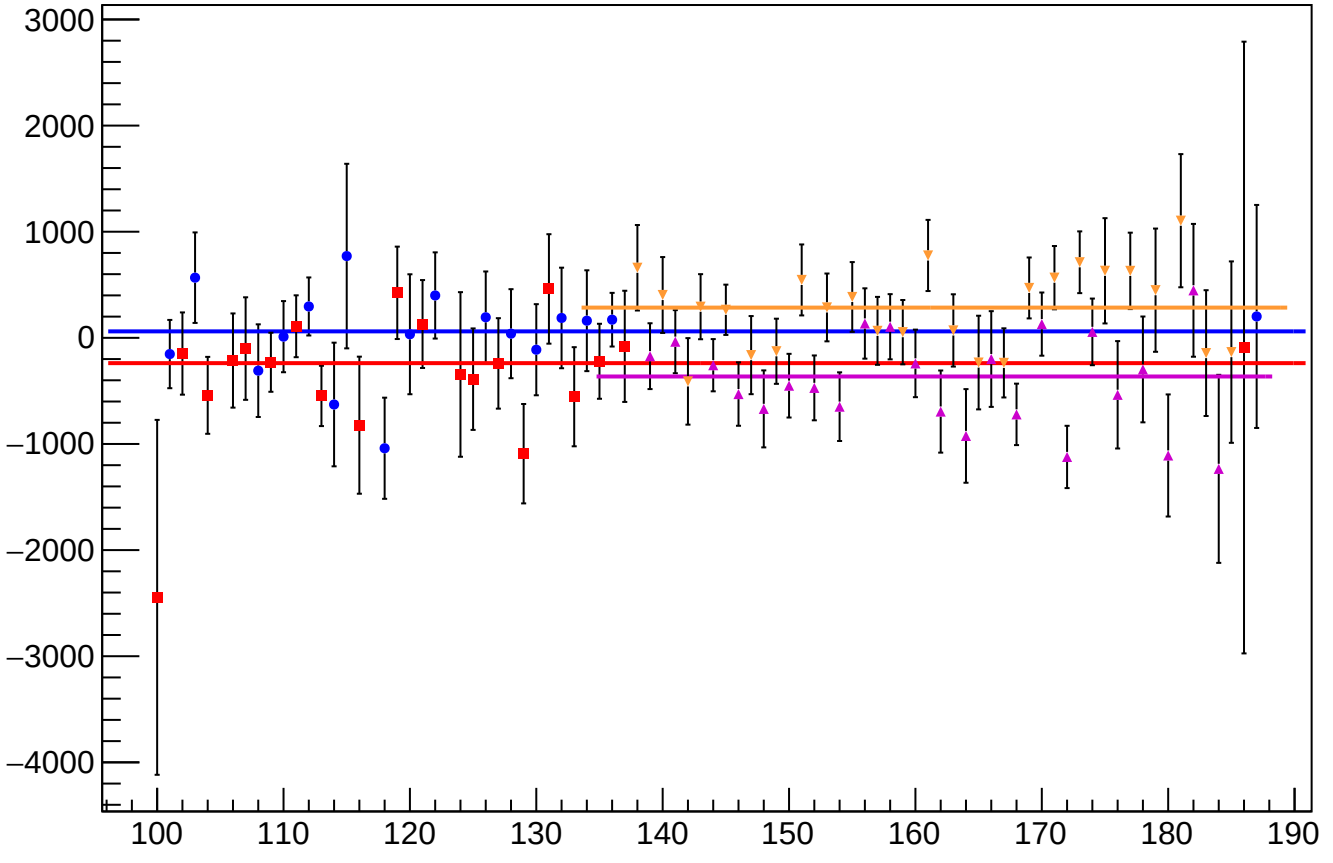
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2131.190+/-0.298 χ^2/NDF: 2282153.3/41

All: 2125.789+/-0.212 χ^2/NDF: 4882966.9/84

- sign 2120.283+/-0.301 χ^2/NDF: 2600151.9/42

eigen_dit_asym_sam4_mean vs Slug



Right In: 60.987+/-98.790 χ^2/NDF: 12.0/16

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -238.355+/-95.011 χ^2/NDF: 14.9/19

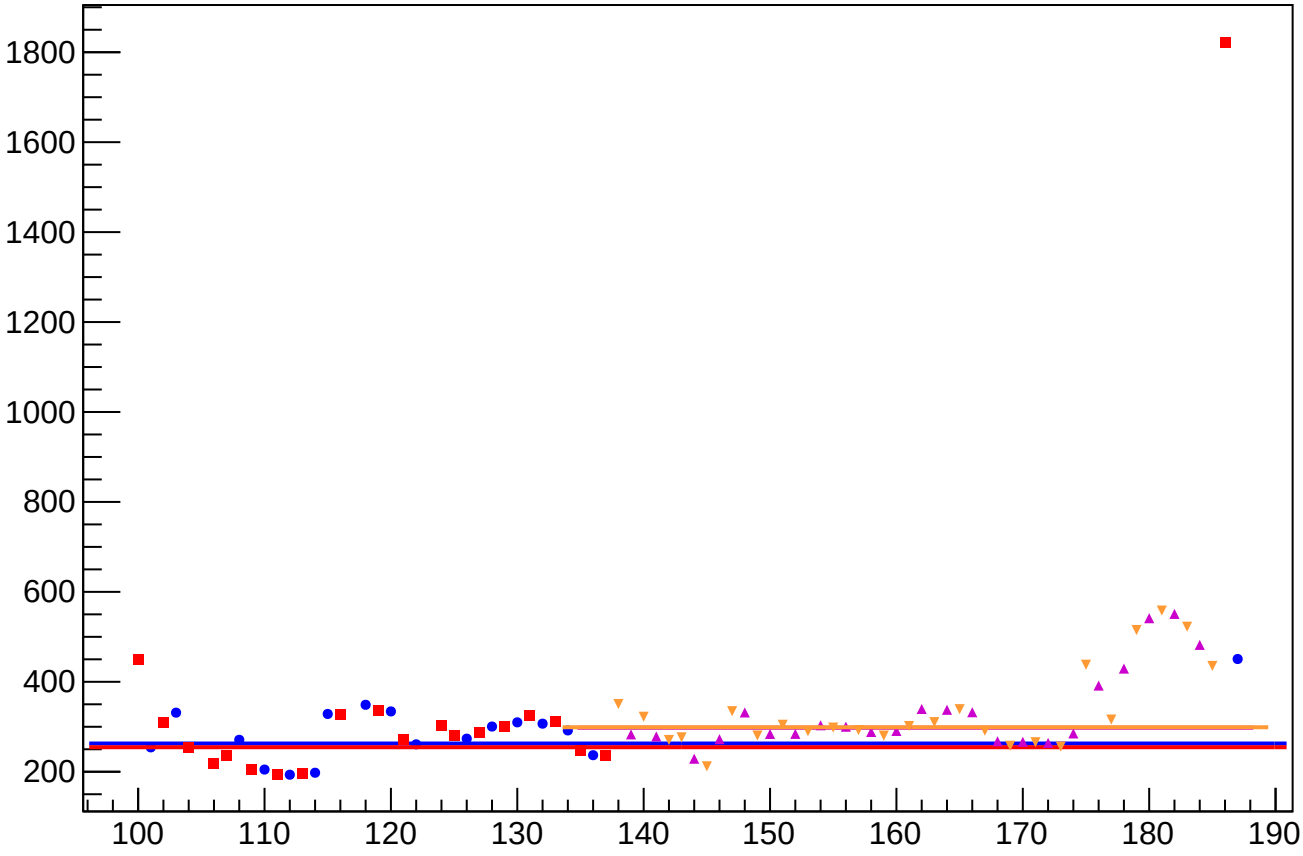
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 210.016+/-57.135 χ^2/NDF: 38.3/41

All: -53.763+/-40.437 χ^2/NDF: 125.2/84

- sign -318.503+/-57.239 χ^2/NDF: 44.3/42

eigen_dit_asym_sam4_rms vs Slug



Right In: 262.765+/-0.070 χ^2/NDF: 527212.9/16

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 254.492+/-0.067 χ^2/NDF: 1129115.2/19

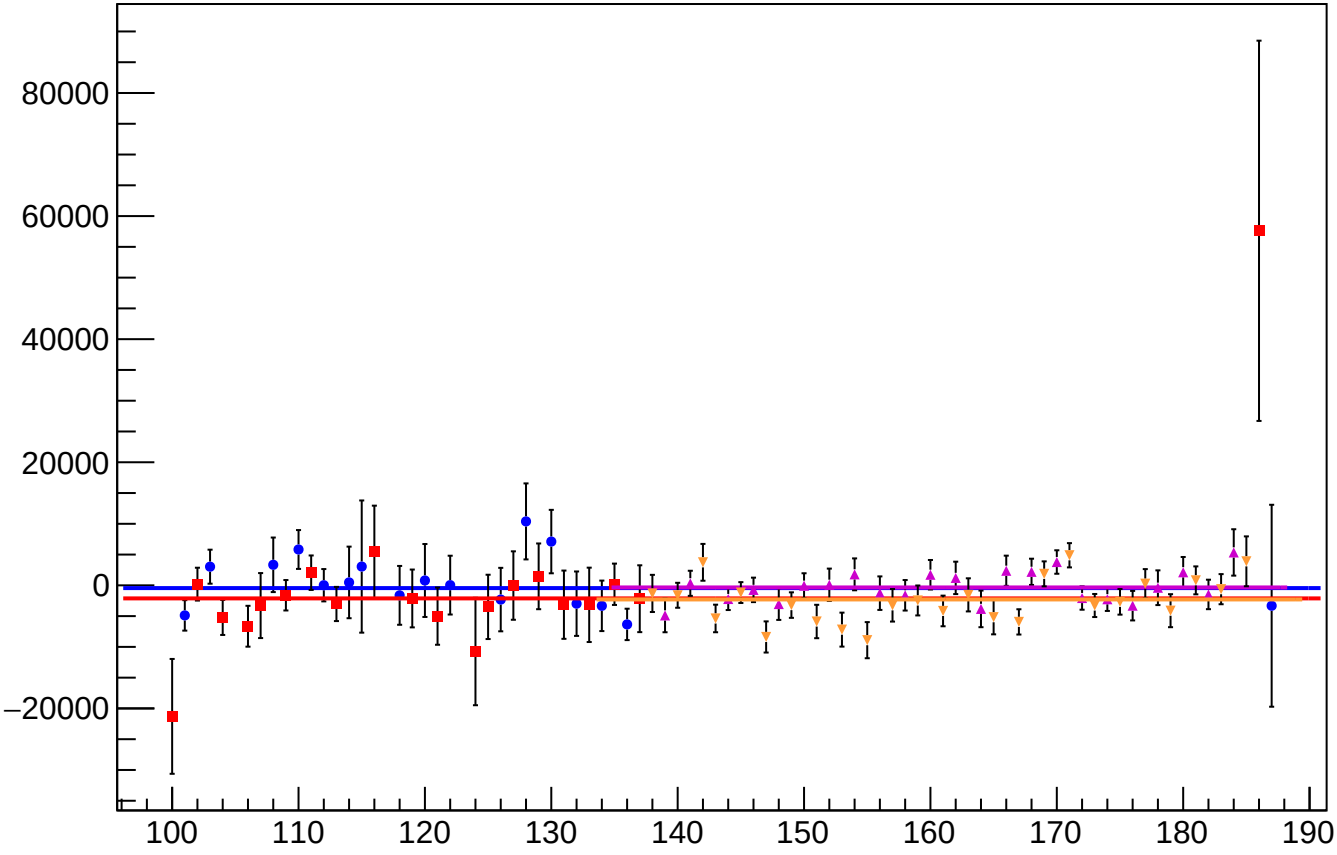
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 286.839+/-0.040 χ^2/NDF: 2318746.4/41

All: 284.492+/-0.029 χ^2/NDF: 5039445.8/84

- sign 282.136+/-0.040 χ^2/NDF: 2713936.9/42

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -446.457+/-953.519 χ^2/NDF: 21.2/16

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2121.274+/-900.718 χ^2/NDF: 17.7/19

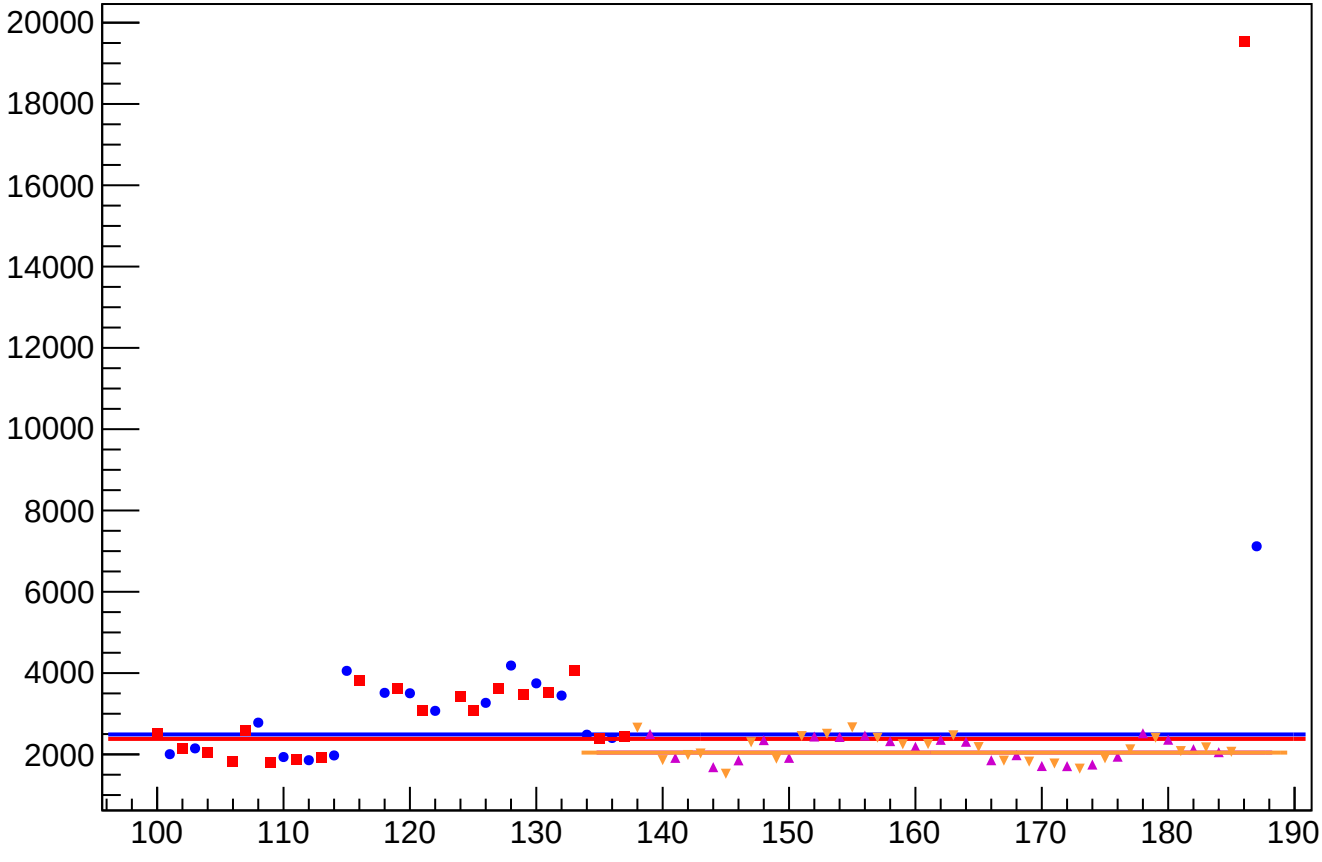
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -1929.799+/-421.942 χ^2/NDF: 75.9/41

All: -1341.001+/-299.809 χ^2/NDF: 123.4/84

- sign -740.612+/-426.075 χ^2/NDF: 43.6/42

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2490.308+/-0.674 χ^2/NDF: 1075992.8/16

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

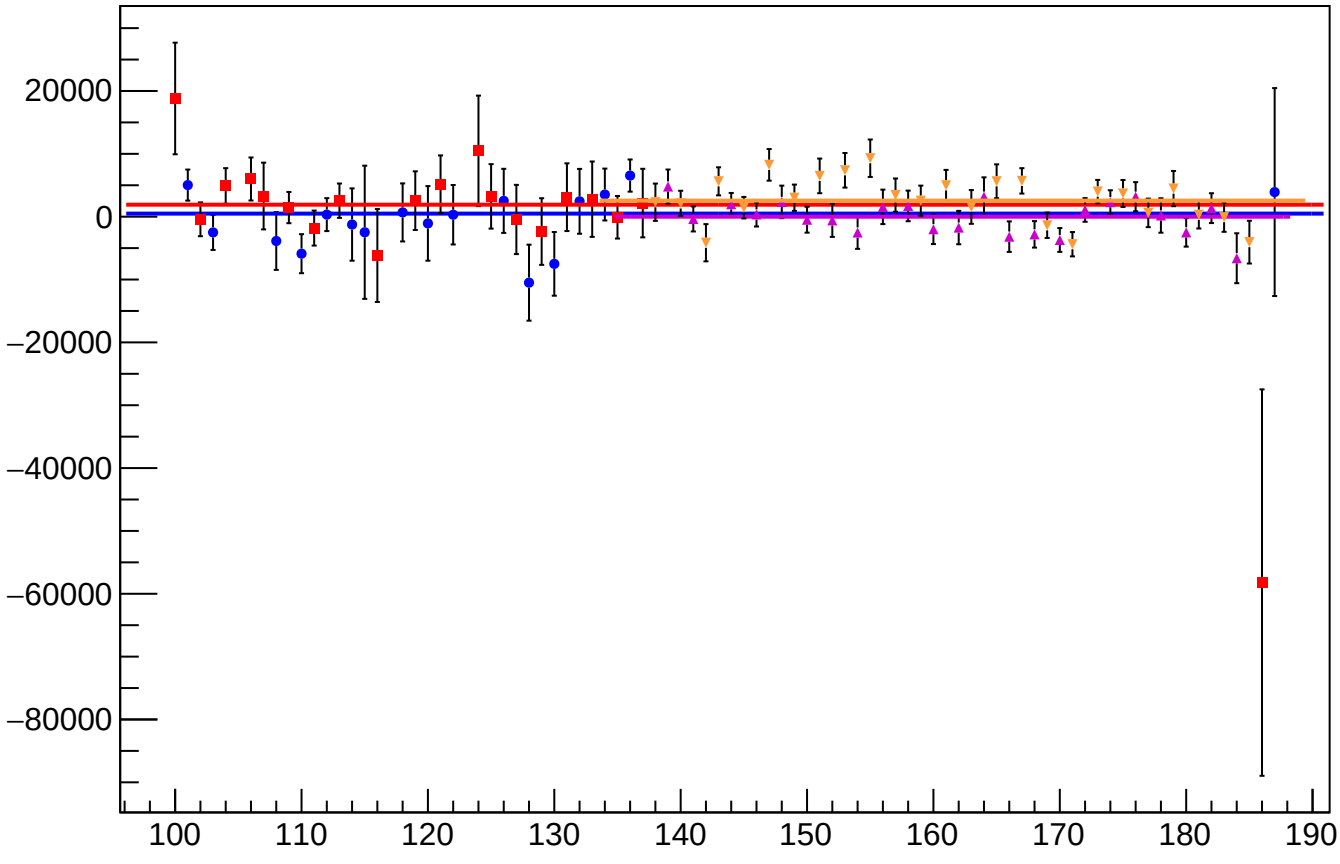
Right Out: 2380.814+/-0.637 χ^2/NDF: 1694366.2/19

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2131.187+/-0.298 χ^2/NDF: 2282161.5/41

All: 2125.787+/-0.212 χ^2/NDF: 4882977.5/84

- sign 2120.280+/-0.301 χ^2/NDF: 2600154.3/42



Right In: 488.648+/-951.176 χ^2/NDF: 22.2/16

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 1907.993+/-899.317 χ^2/NDF: 16.7/19

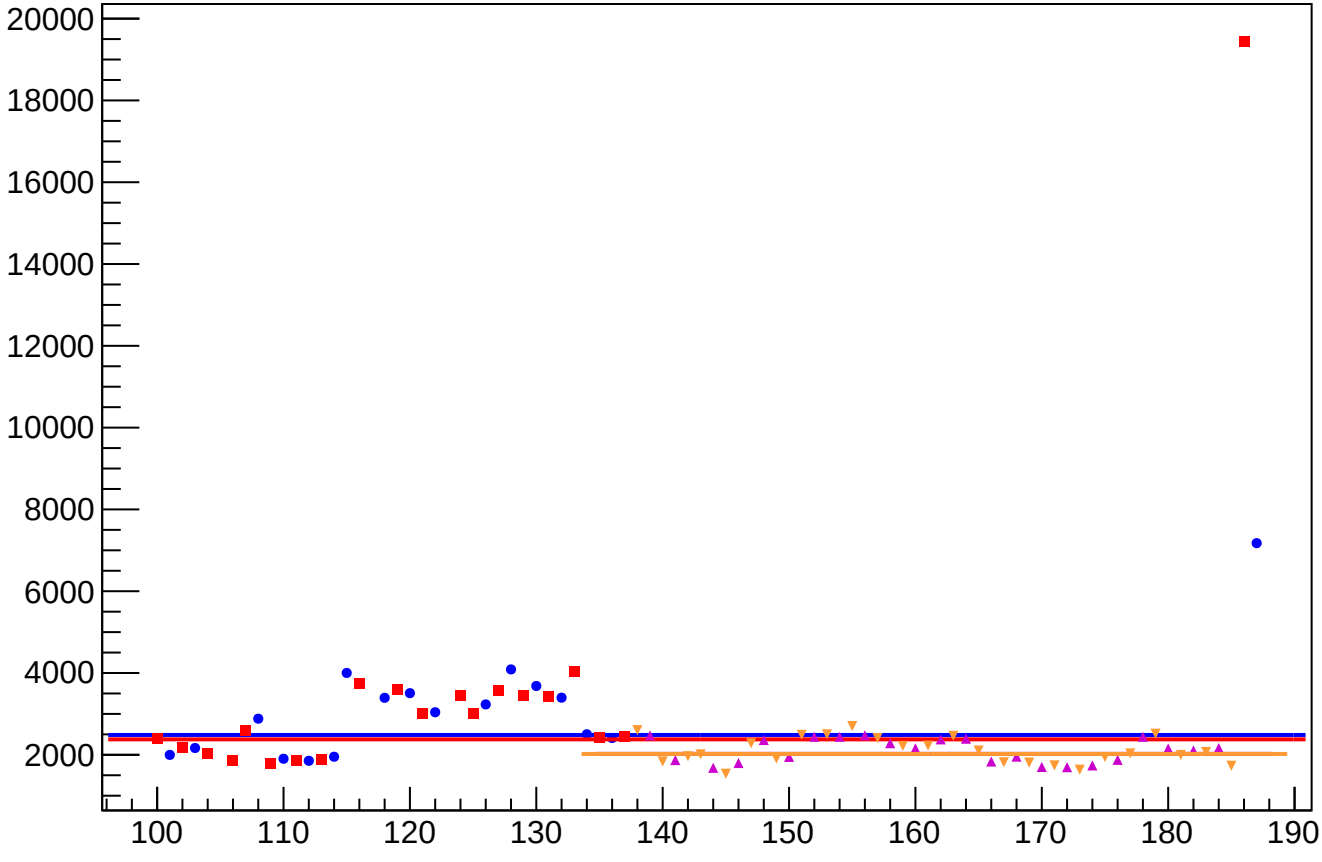
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2158.374+/-418.436 χ^2/NDF: 78.7/41

All: 1296.608+/-297.283 χ^2/NDF: 132.1/84

- sign 418.285+/-422.437 χ^2/NDF: 44.8/42

asym_sam4_rms vs Slug



Right In: 2485.194+/-0.673 χ^2/NDF: 1047459.9/16

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

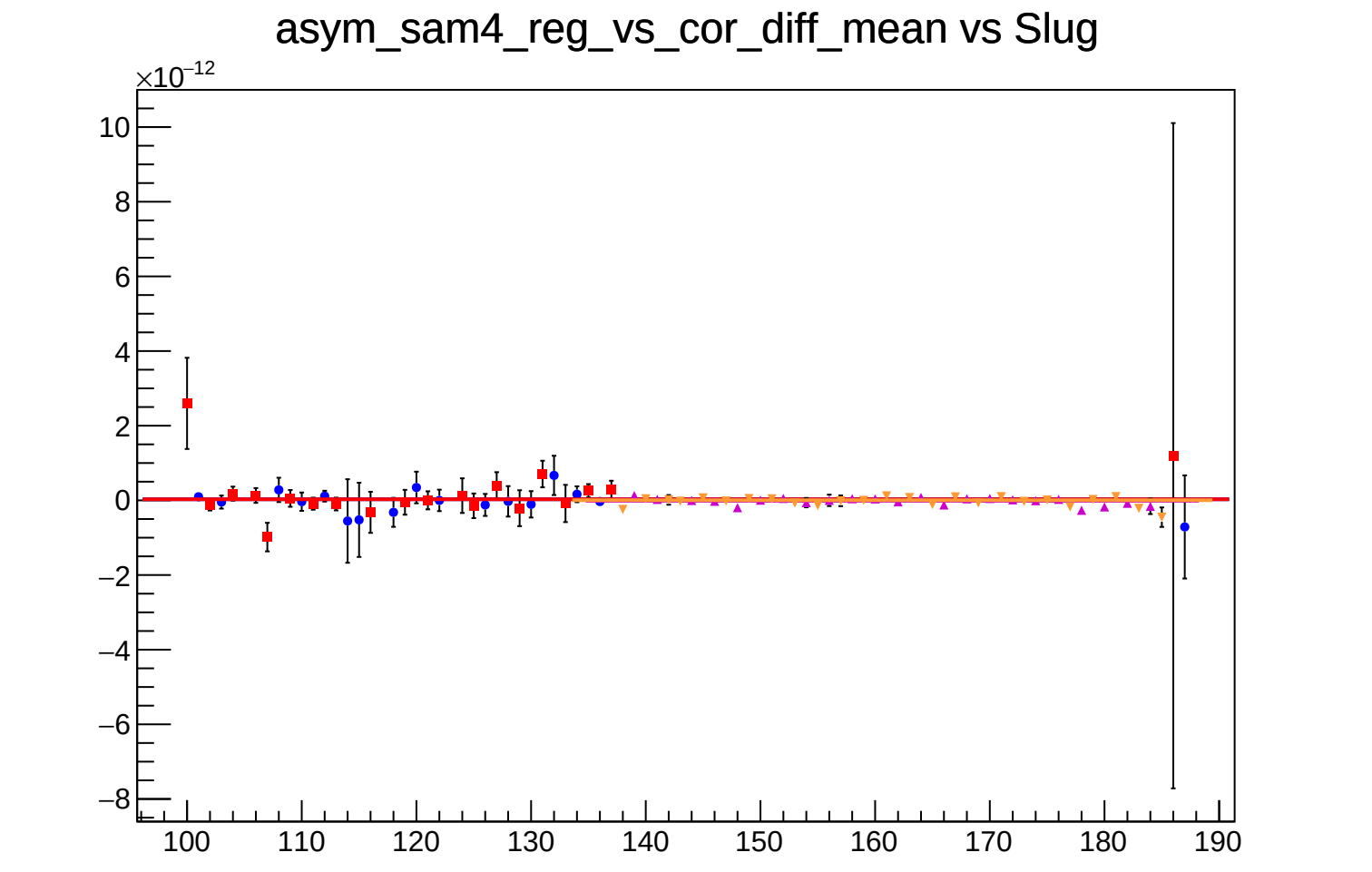
Right Out: 2377.665+/-0.636 χ^2/NDF: 1659889.0/19

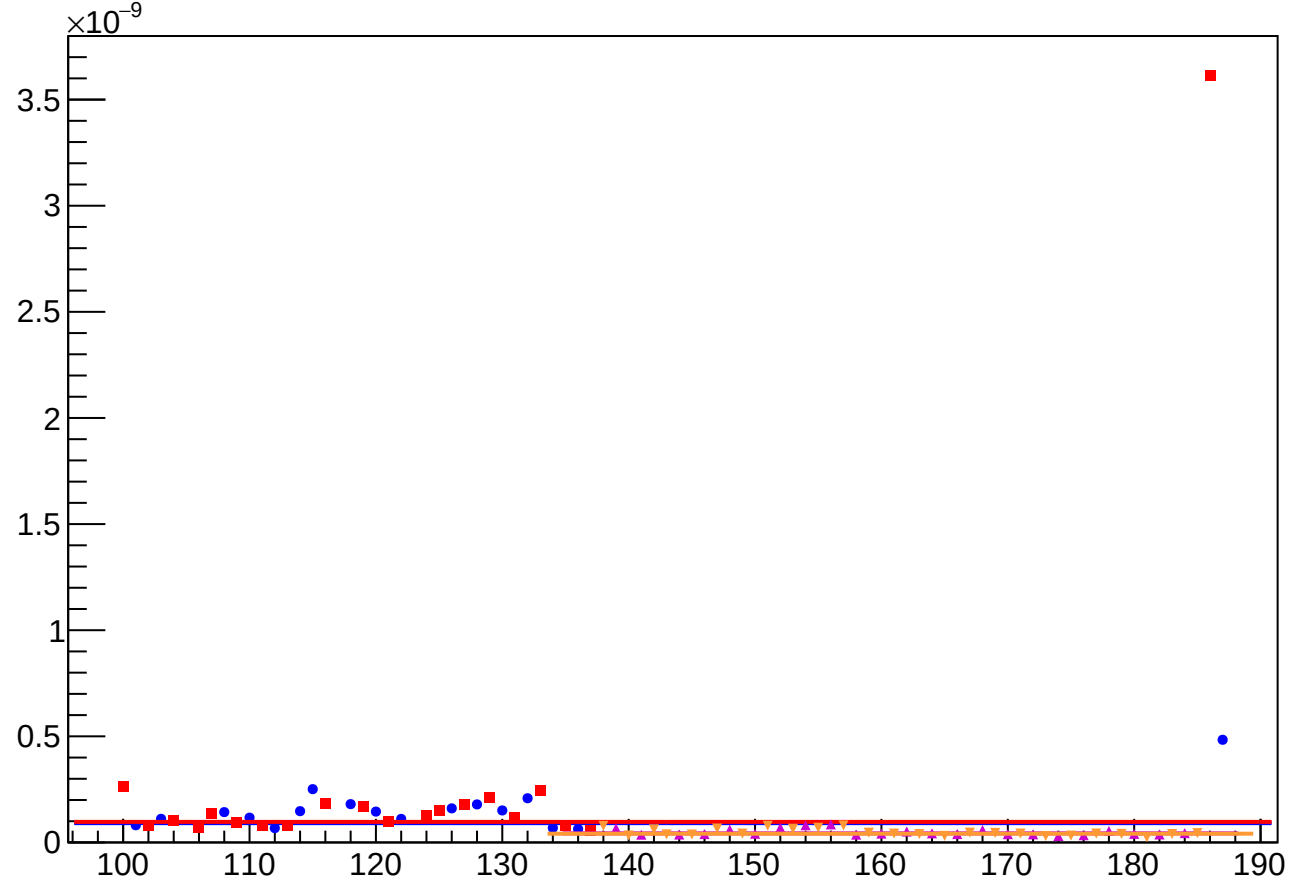
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2111.048+/-0.296 χ^2/NDF: 2312539.0/41

All: 2106.308+/-0.210 χ^2/NDF: 4911038.5/84

- sign 2101.477+/-0.299 χ^2/NDF: 2597981.3/42


asym_sam4_reg_vs_cor_diff_mean vs Slug
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 6.4/16
Left Out: 0.000+/-0.000 χ²/NDF:32.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.2/19
Left In: -0.000+/-0.000 χ²/NDF:20.8/22
+ sign 0.000+/-0.000 χ²/NDF: 38.7/41
All: -0.000+/-0.000 χ²/NDF: 83.7/84
- sign -0.000+/-0.000 χ²/NDF: 44.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1088582.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

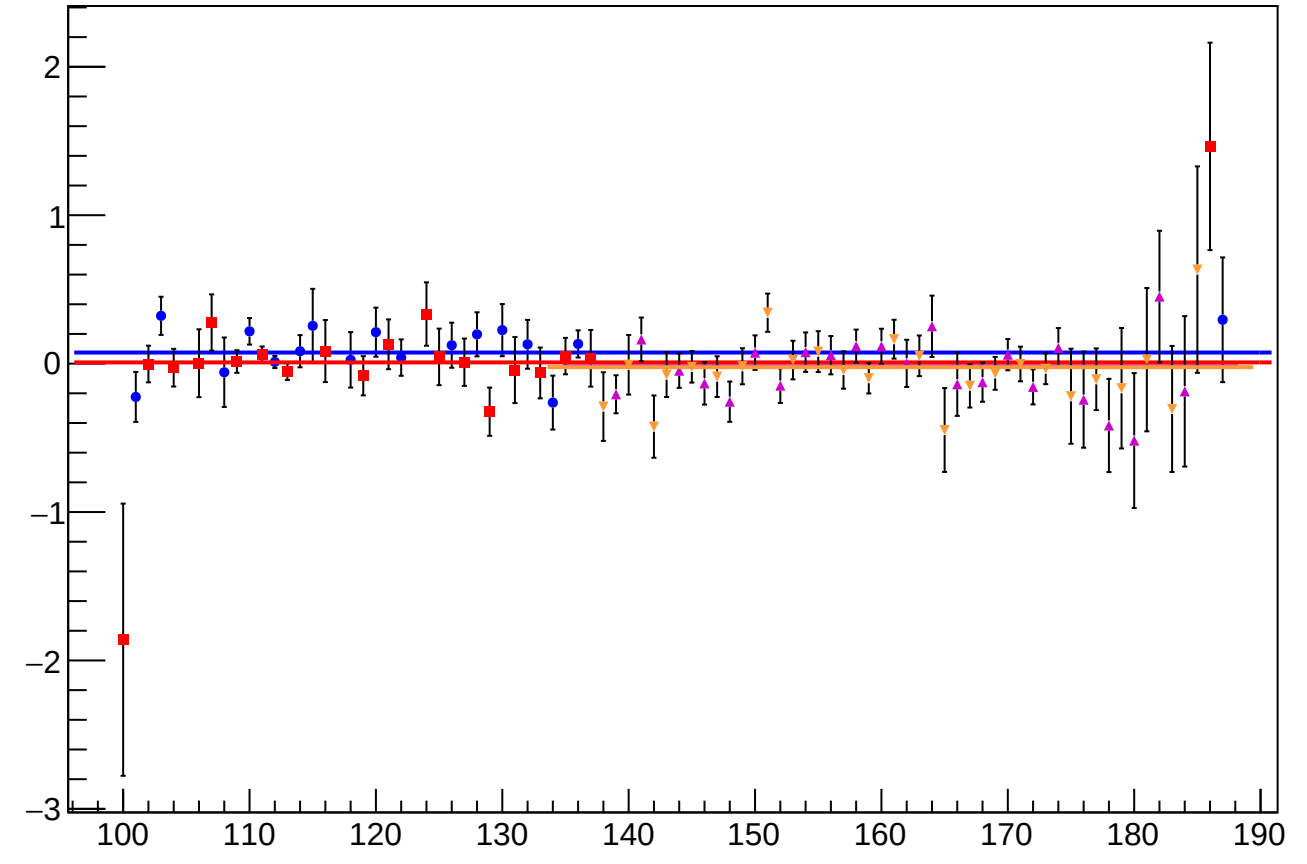
Right Out: 0.000+/-0.000 χ^2/NDF: 1163024.9/19

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 3966121.9/41

All: 0.000+/-0.000 χ^2/NDF: 7786859.8/84

- sign 0.000+/-0.000 χ^2/NDF: 3804366.9/42



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.008+/-0.027 χ^2/NDF: 20.8/19

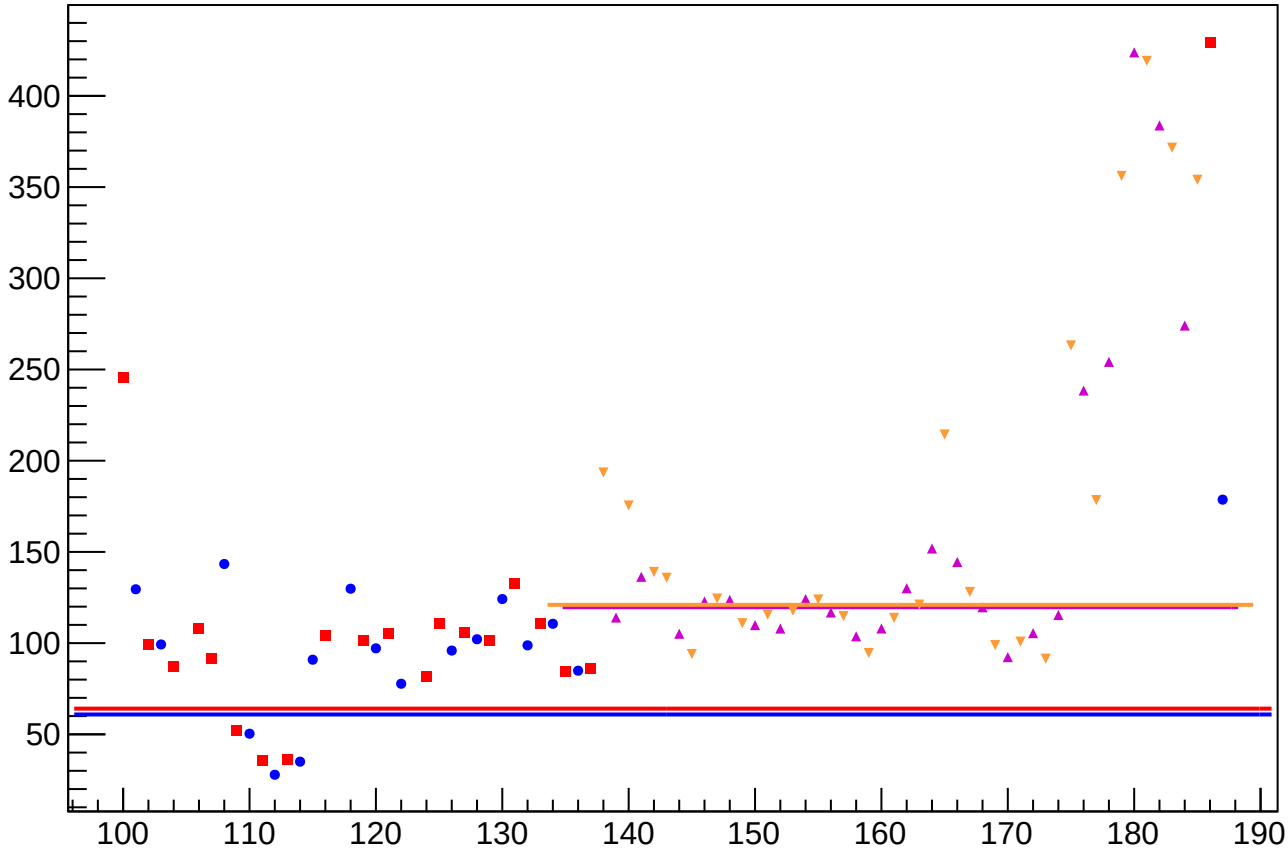
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.4/41

All: 0.014+/-0.014 χ^2/NDF: 93.1/84

- sign -0.004+/-0.020 χ^2/NDF: 44.2/42

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 60.888+/-0.019 χ^2/NDF: 3695887.6/16

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 64.091+/-0.019 χ^2/NDF: 3201216.4/19

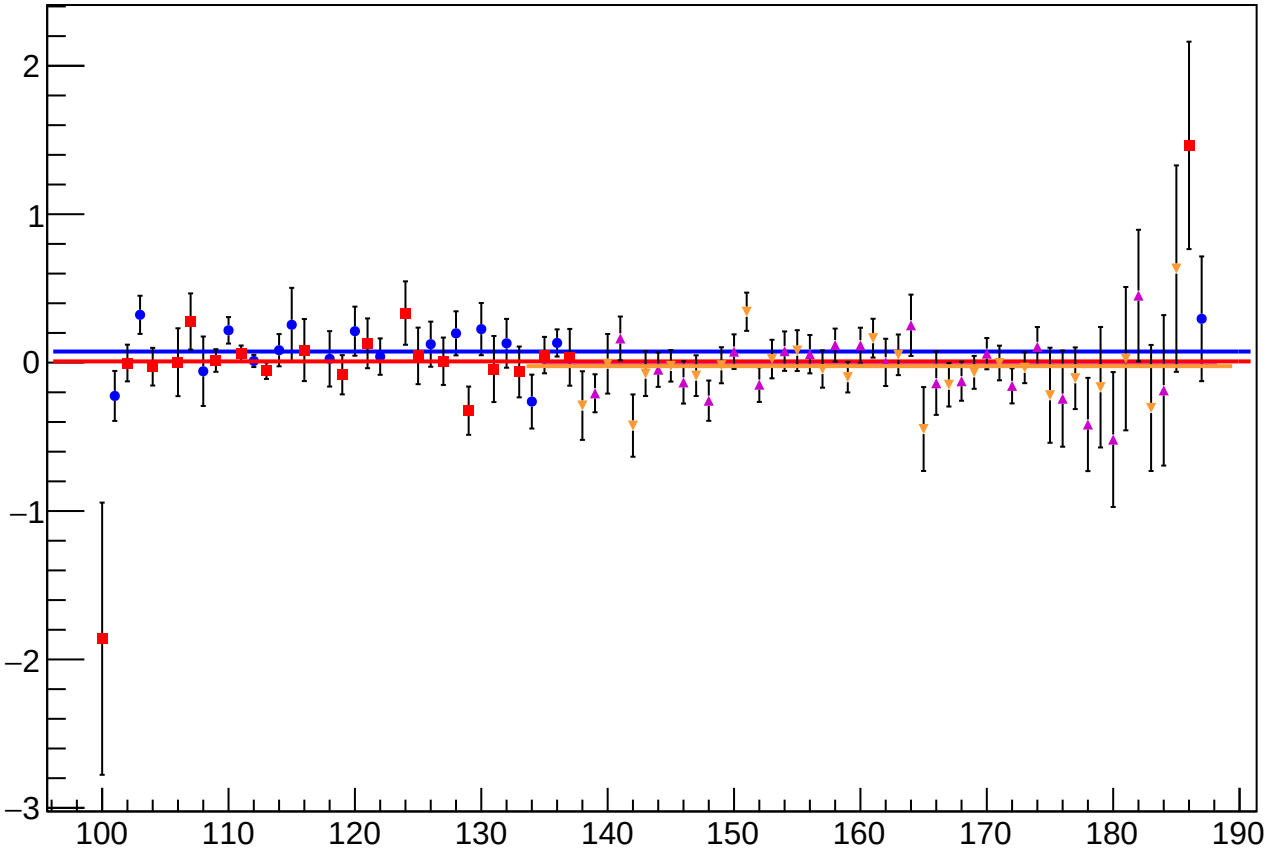
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 87.837+/-0.014 χ^2/NDF: 12249831.0/41

All: 88.202+/-0.010 χ^2/NDF: 22076562.0/84

- sign 88.570+/-0.014 χ^2/NDF: 9825393.8/42

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.008+/-0.027 χ^2/NDF: 20.8/19

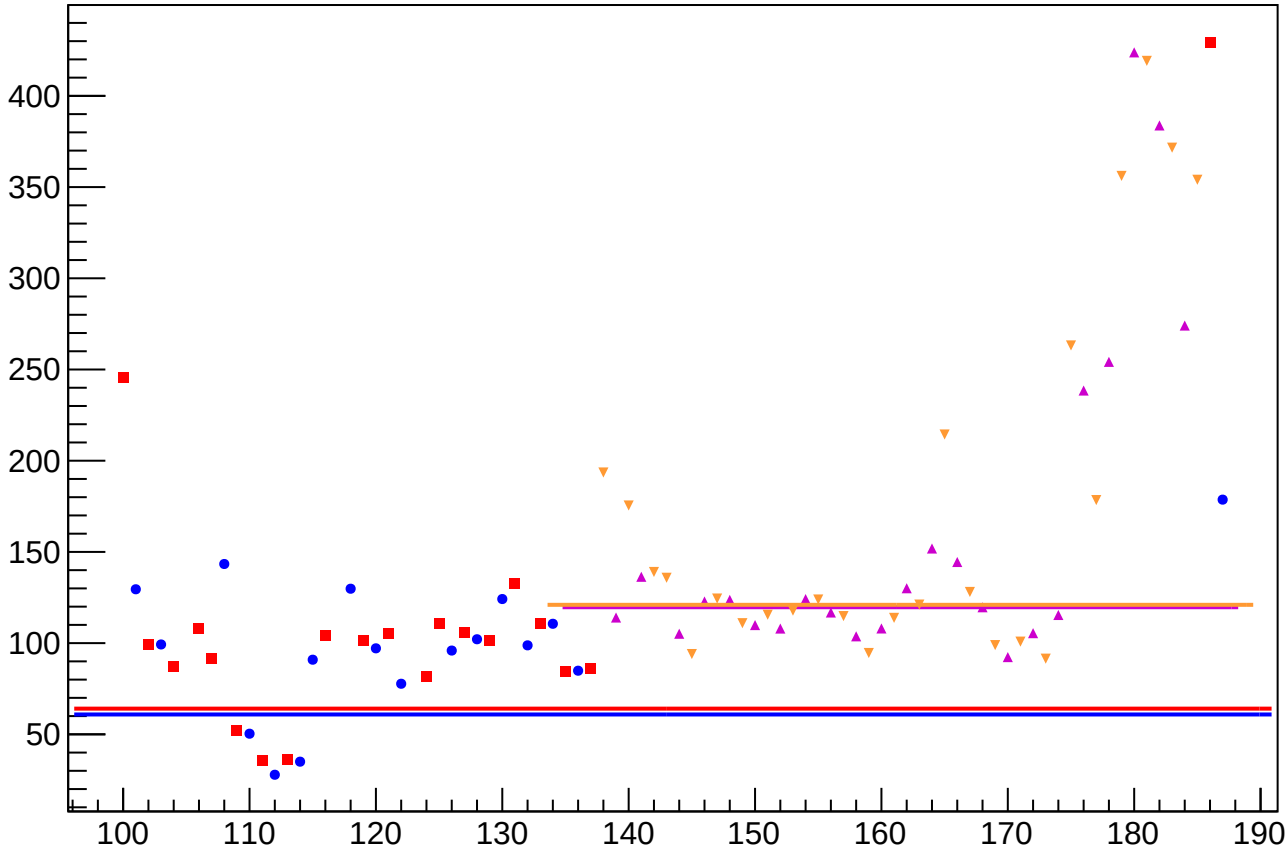
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.4/41

All: 0.014+/-0.014 χ^2/NDF: 93.1/84

- sign -0.004+/-0.020 χ^2/NDF: 44.2/42

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 60.888+/-0.019 χ^2/NDF: 3695887.6/16

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

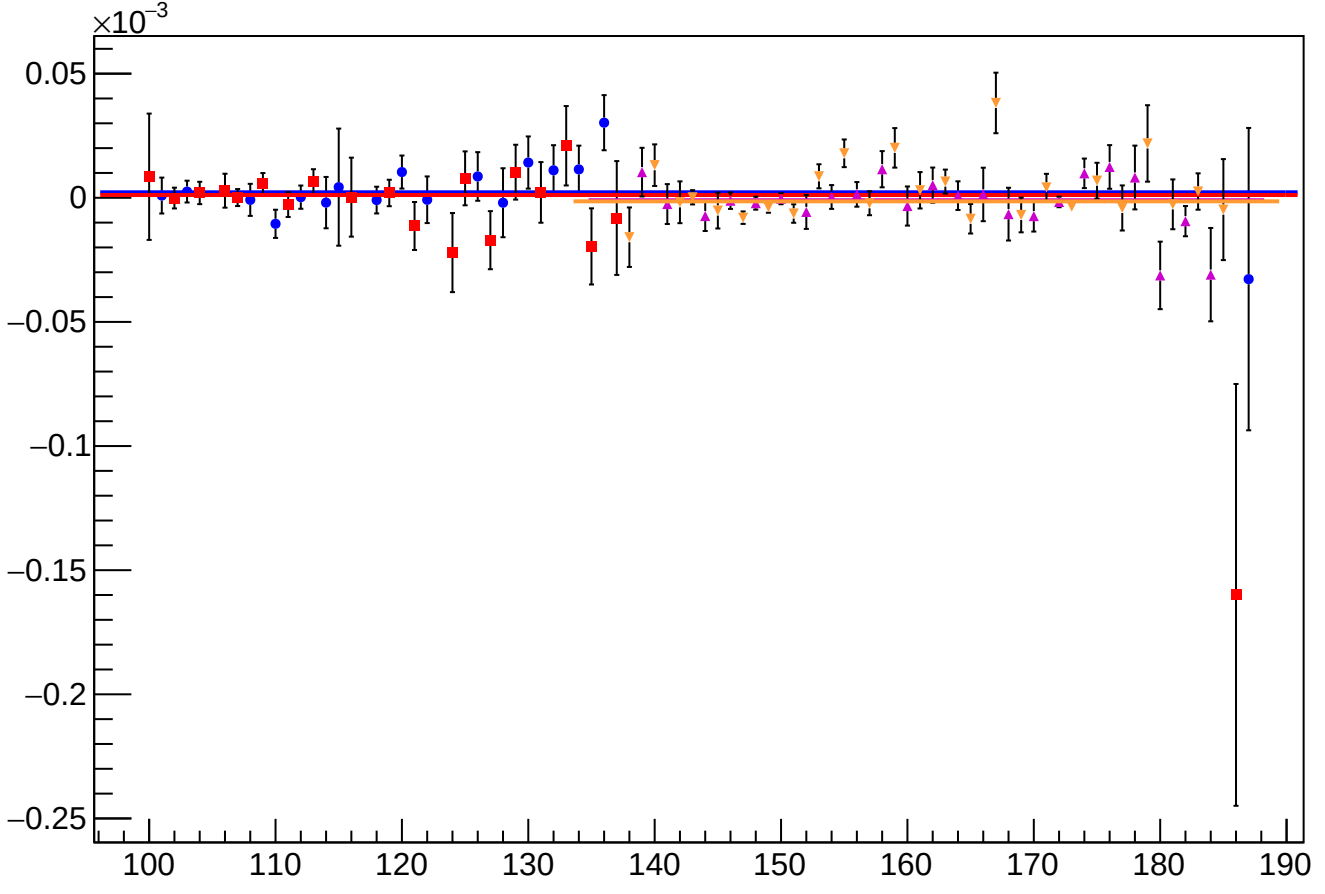
Right Out: 64.091+/-0.019 χ^2/NDF: 3201216.4/19

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 87.837+/-0.014 χ^2/NDF: 12249831.0/41

All: 88.202+/-0.010 χ^2/NDF: 22076562.0/84

- sign 88.570+/-0.014 χ^2/NDF: 9825393.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/19

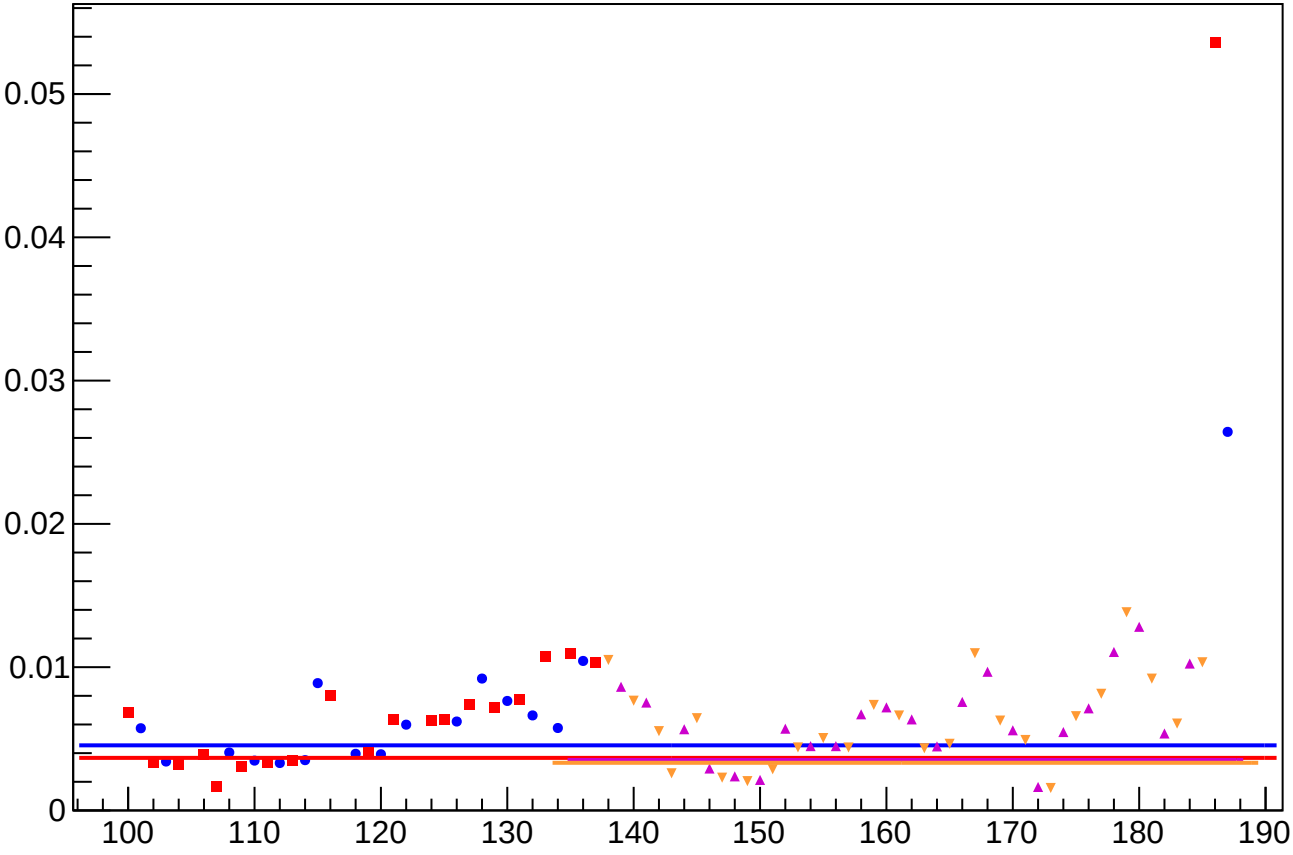
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.5/41

All: -0.000+/-0.000 χ^2/NDF: 125.1/84

- sign -0.000+/-0.000 χ^2/NDF: 43.5/42

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 1979731.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

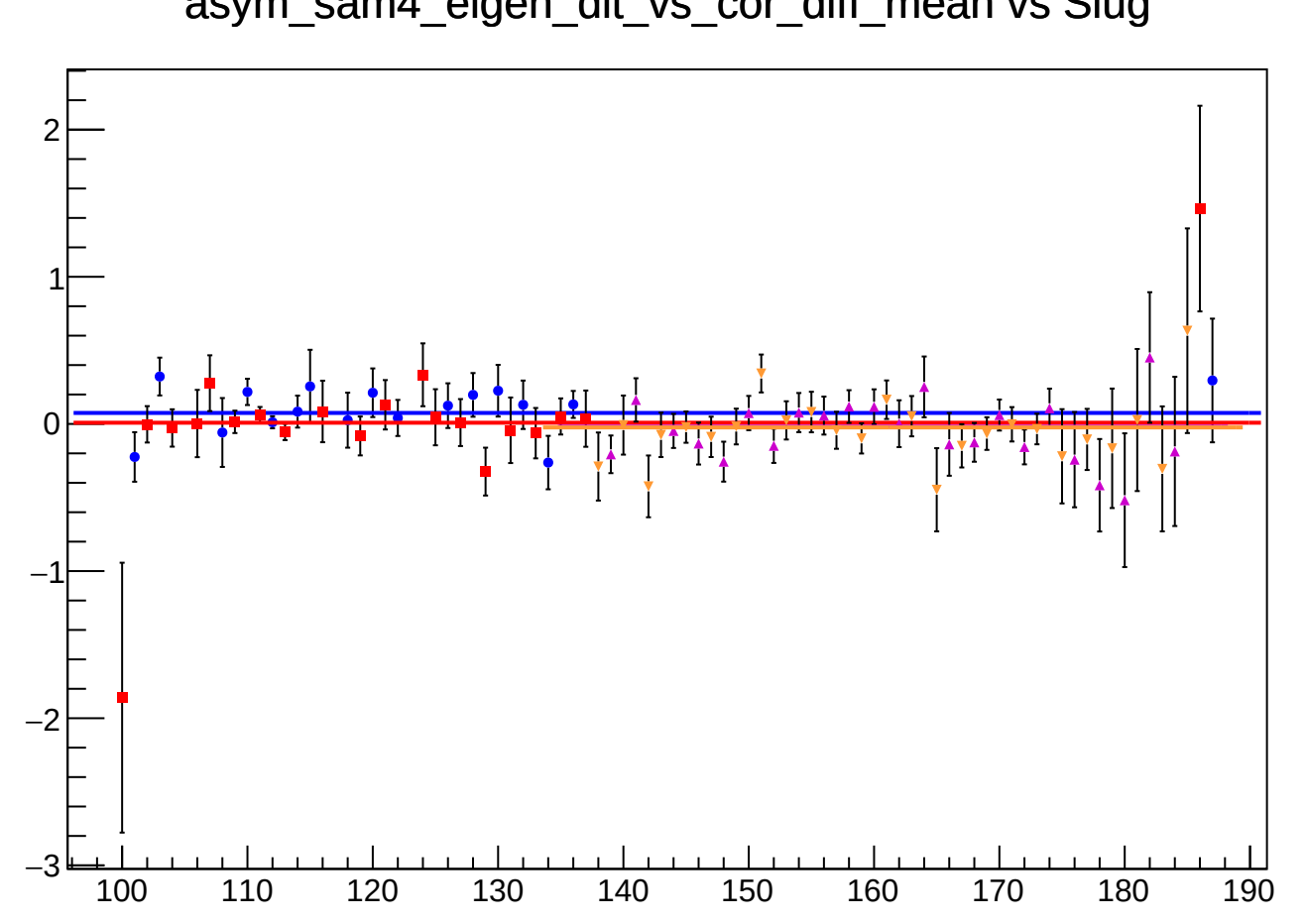
Right Out: 0.004+/-0.000 χ^2/NDF: 3624865.3/19

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 13190026.6/41

All: 0.004+/-0.000 χ^2/NDF: 26254705.2/84

- sign 0.004+/-0.000 χ^2/NDF: 13064670.6/42



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.008+/-0.027 χ^2/NDF: 20.8/19

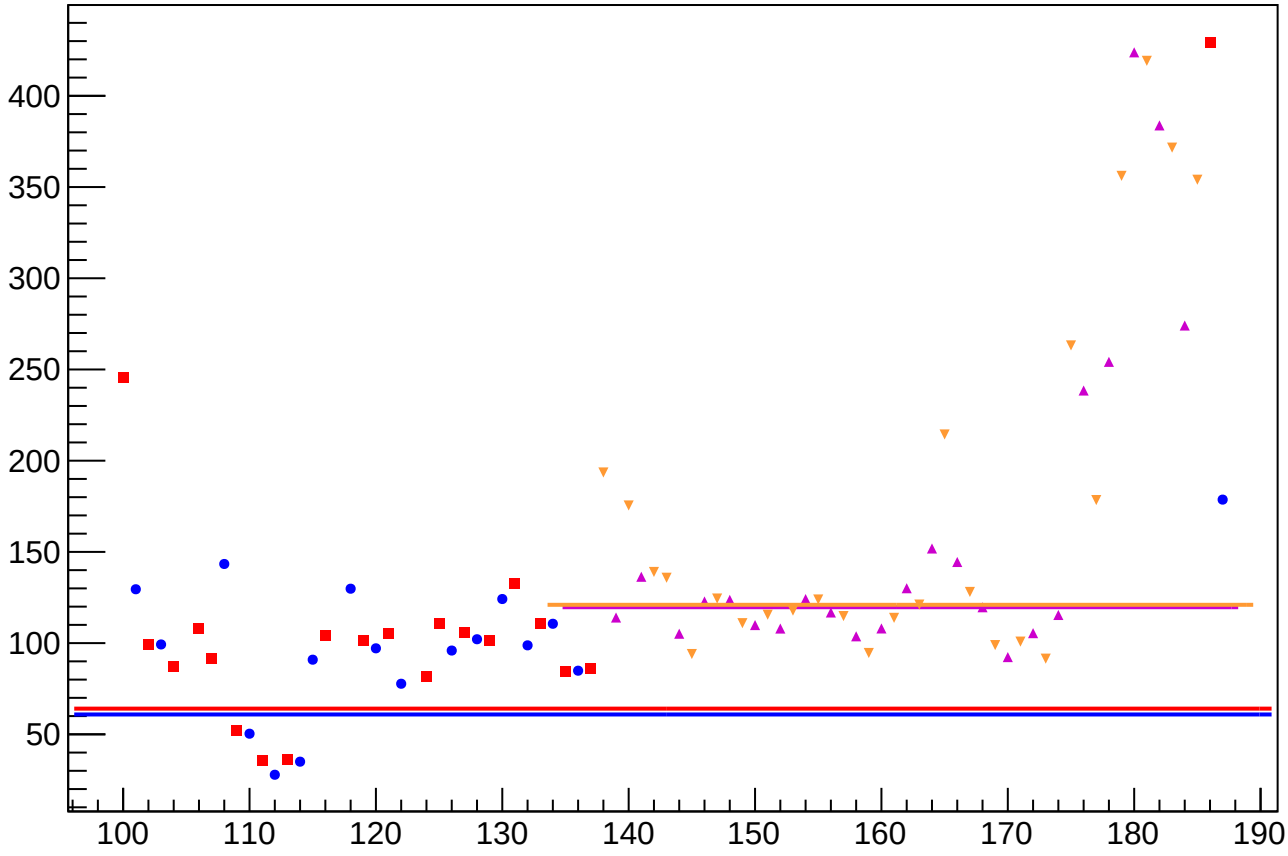
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.4/41

All: 0.014+/-0.014 χ^2/NDF: 93.1/84

- sign -0.004+/-0.020 χ^2/NDF: 44.2/42

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 60.886+/-0.019 χ^2/NDF: 3696150.5/16

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

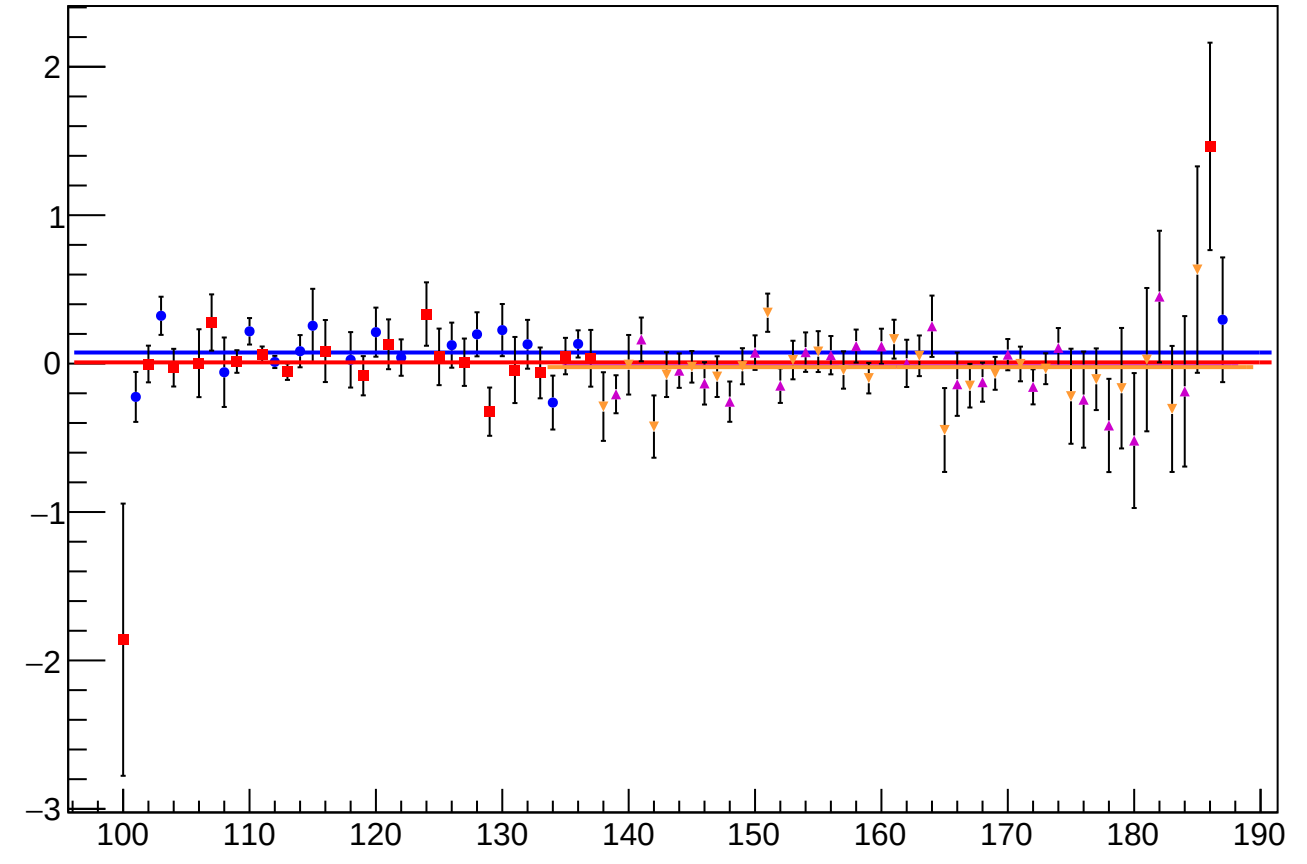
Right Out: 64.089+/-0.019 χ^2/NDF: 3201478.5/19

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

\+ sign 87.835+/-0.014 χ^2/NDF: 12250548.3/41

All: 88.201+/-0.010 χ^2/NDF: 22077881.3/84

\- sign 88.568+/-0.014 χ^2/NDF: 9825994.6/42



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

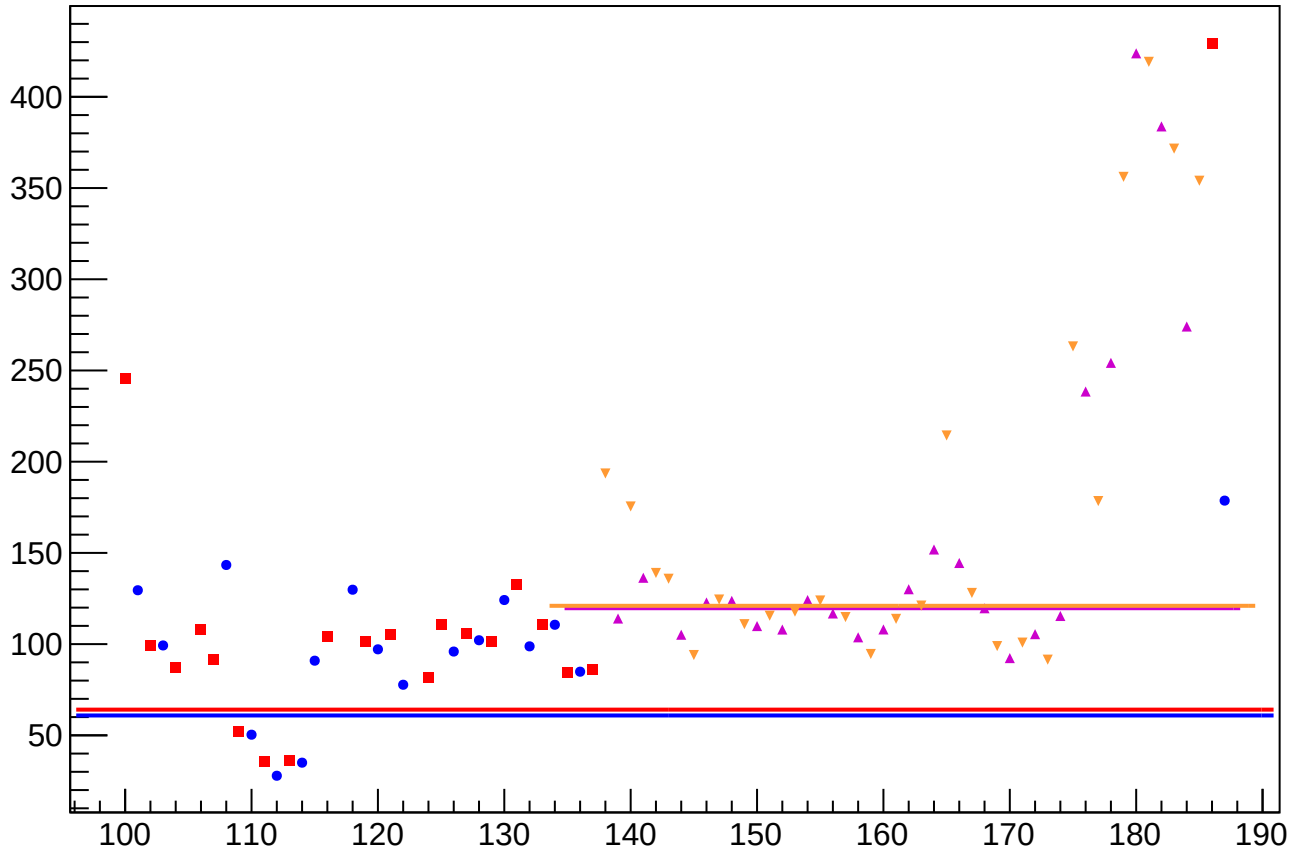
Right Out: 0.008+/-0.027 χ^2/NDF: 20.8/19

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.031+/-0.020 χ^2/NDF: 47.4/41

All: 0.014+/-0.014 χ^2/NDF: 93.1/84

- sign -0.004+/-0.020 χ^2/NDF: 44.2/42



Right In: 60.886+/-0.019 χ^2/NDF: 3696150.5/16

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 64.089+/-0.019 χ^2/NDF: 3201478.5/19

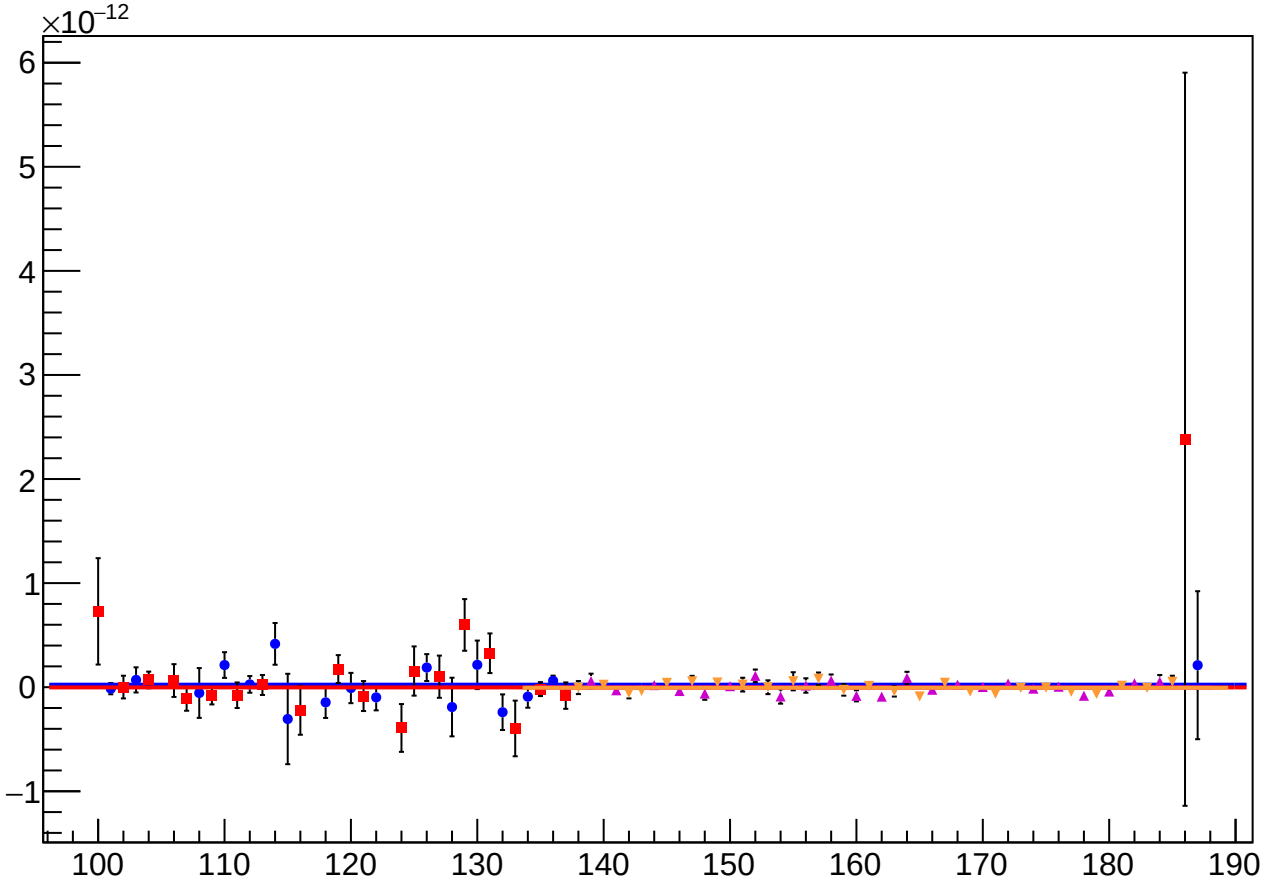
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

\+ sign 87.835+/-0.014 χ^2/NDF: 12250548.3/41

All: 88.201+/-0.010 χ^2/NDF: 22077881.3/84

\- sign 88.568+/-0.014 χ^2/NDF: 9825994.6/42

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

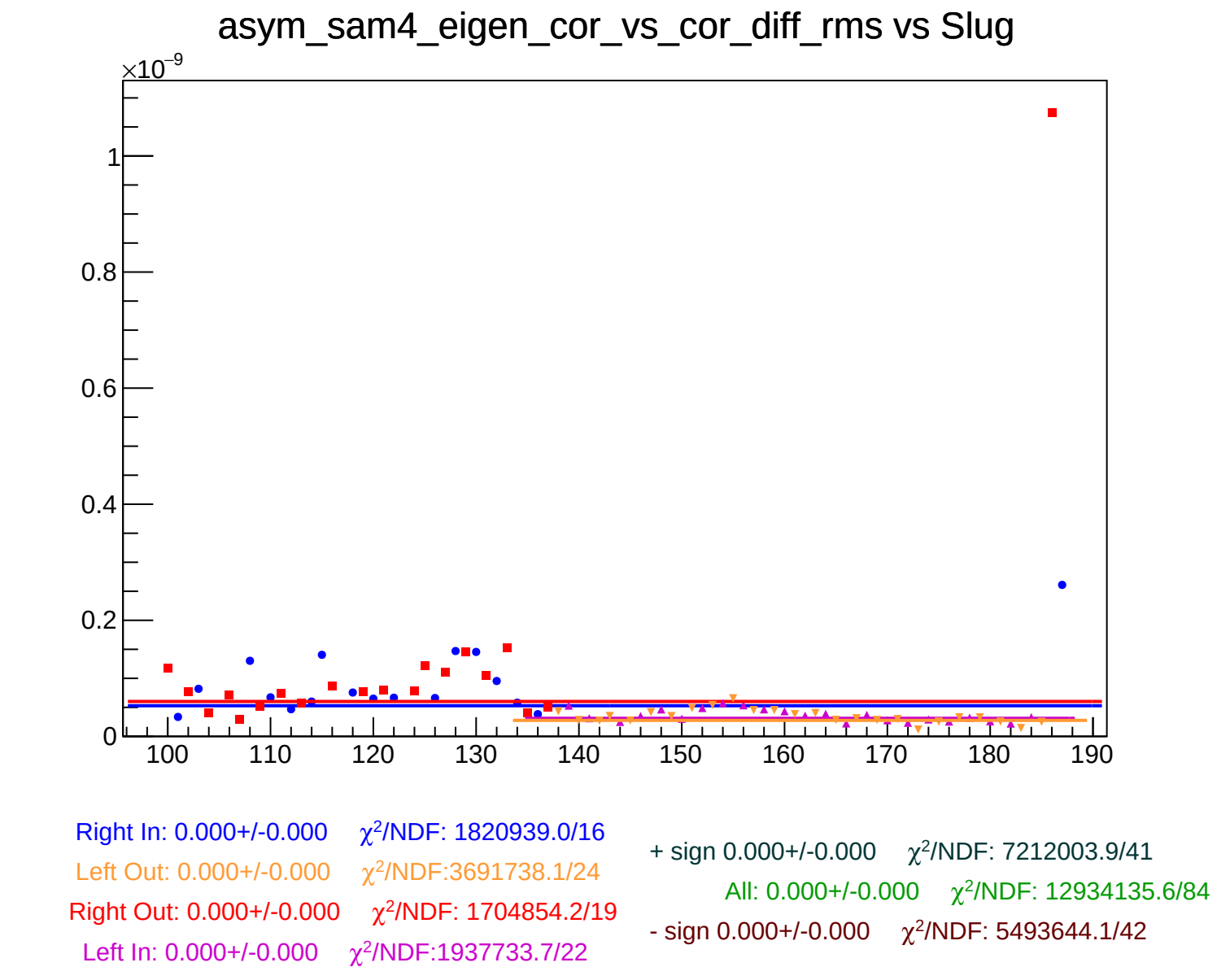
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/19

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

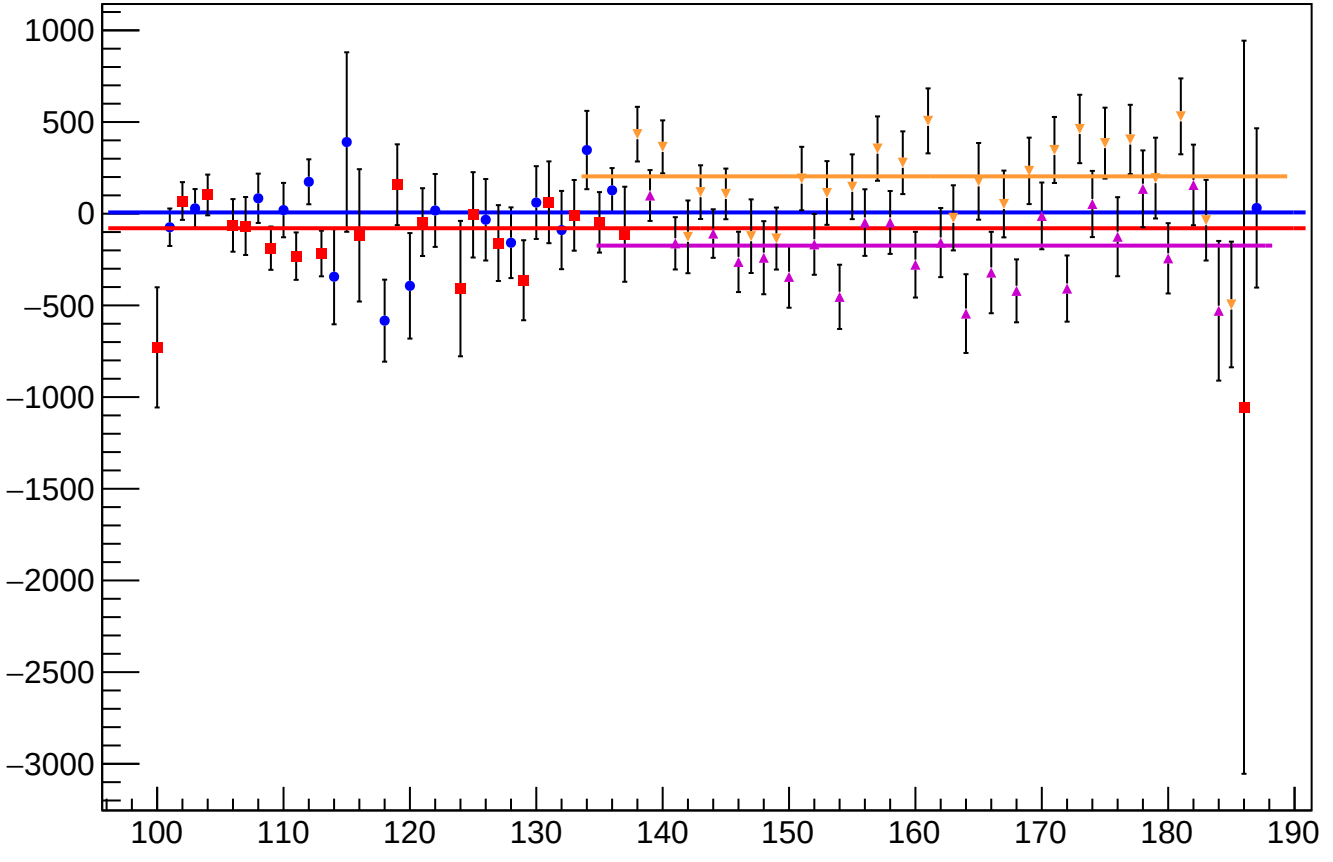
+ sign -0.000+/-0.000 χ^2/NDF: 40.3/41

All: -0.000+/-0.000 χ^2/NDF: 91.5/84

- sign -0.000+/-0.000 χ^2/NDF: 51.2/42


asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1820939.0/16
Left Out: 0.000+/-0.000 χ²/NDF:3691738.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 1704854.2/19
Left In: 0.000+/-0.000 χ²/NDF:1937733.7/22
+ sign 0.000+/-0.000 χ²/NDF: 7212003.9/41
All: 0.000+/-0.000 χ²/NDF: 12934135.6/84
- sign 0.000+/-0.000 χ²/NDF: 5493644.1/42

reg_asym_sam5_mean vs Slug



Right In: 7.022+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -79.234+/-37.899 χ^2/NDF: 16.9/19

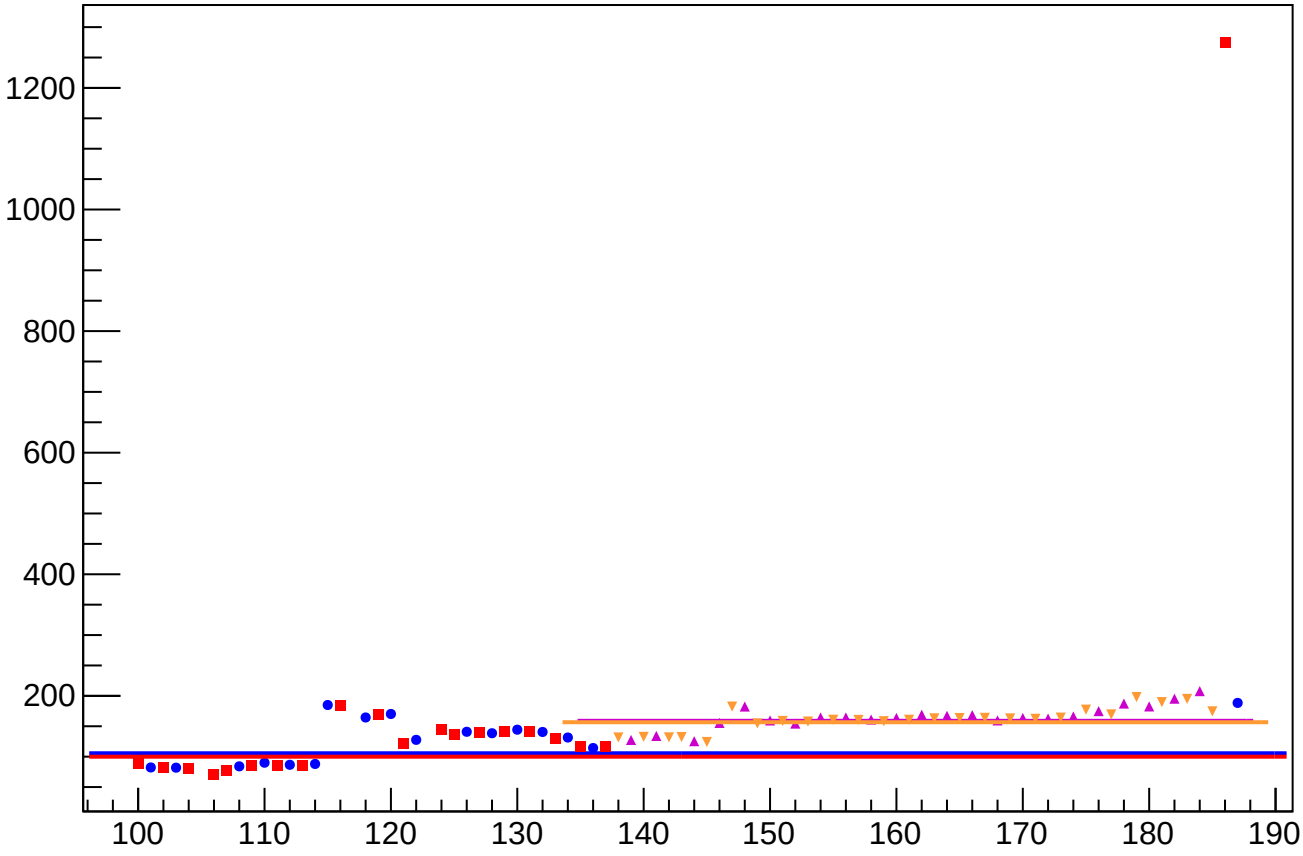
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 116.484+/-26.762 χ^2/NDF: 65.0/41

All: -6.006+/-18.874 χ^2/NDF: 151.3/84

- sign -127.225+/-26.622 χ^2/NDF: 44.6/42

reg_asym_sam5_rms vs Slug



Right In: 105.575+/-0.028 χ^2/NDF: 1004587.1/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 99.930+/-0.027 χ^2/NDF: 1729954.8/19

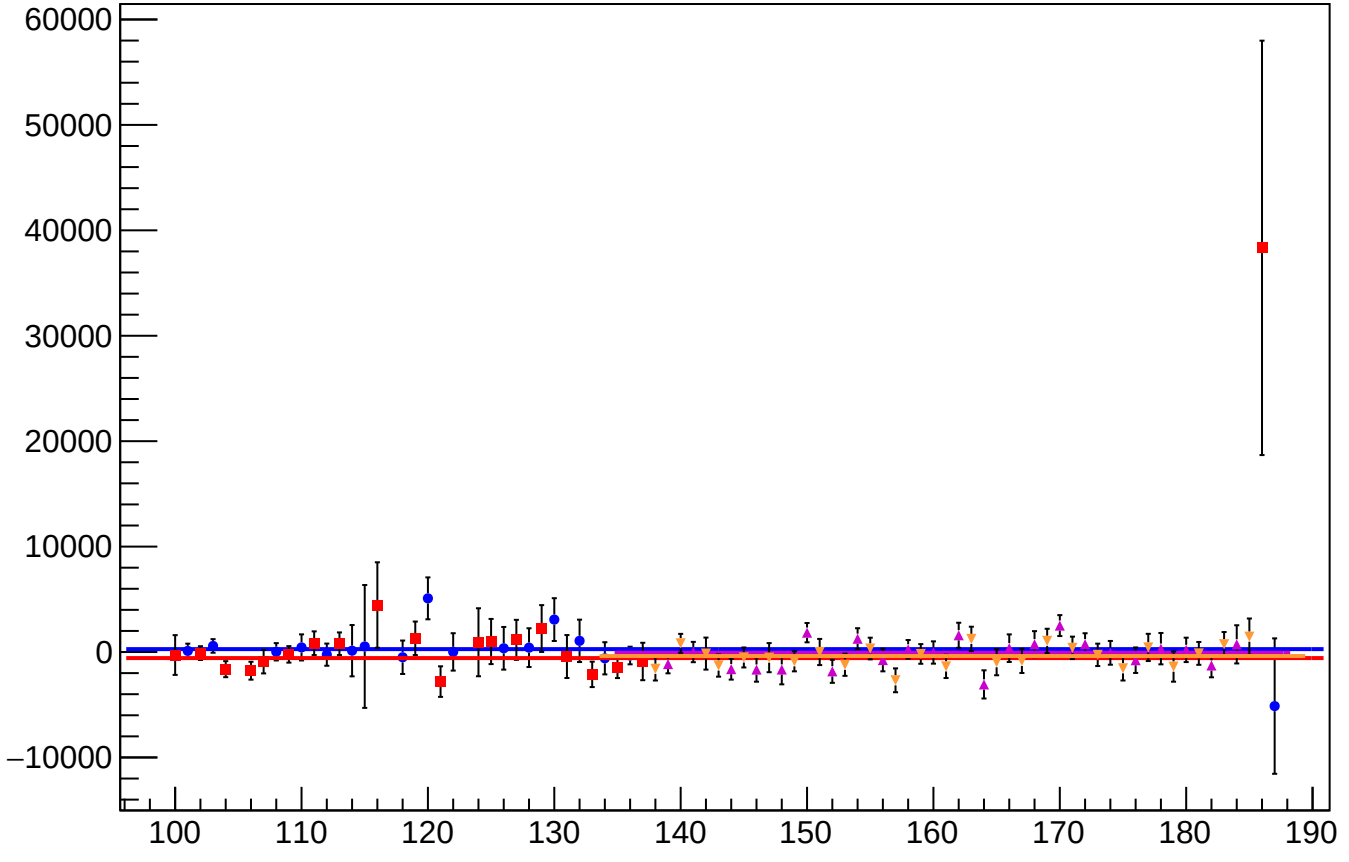
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 133.985+/-0.019 χ^2/NDF: 3384229.3/41

All: 131.896+/-0.013 χ^2/NDF: 8106868.3/84

- sign 129.828+/-0.019 χ^2/NDF: 4698377.8/42

asym_sam5_reg_correction_mean vs Slug



Right In: 275.636+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -573.886+/-269.750 χ^2/NDF: 22.7/19

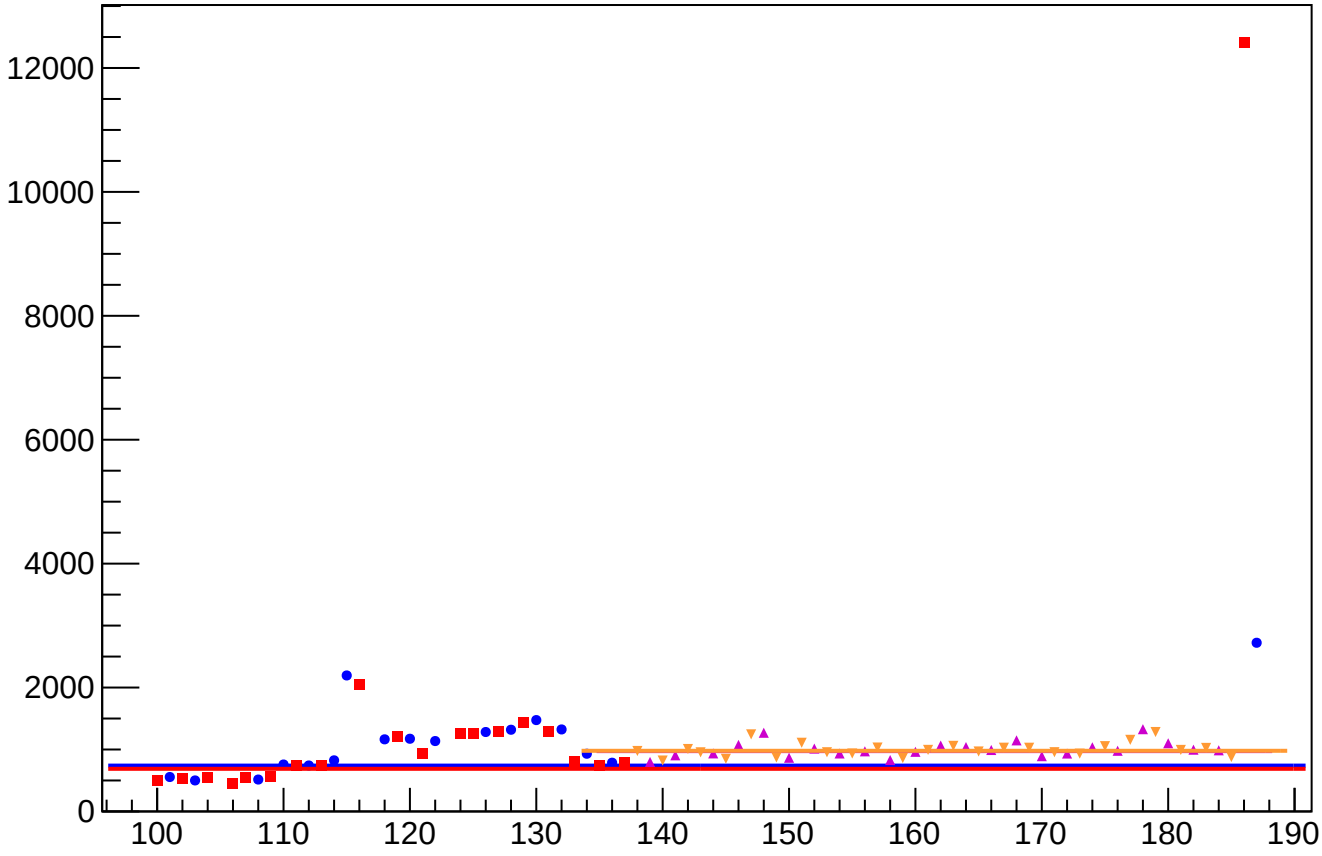
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -138.009+/-178.268 χ^2/NDF: 32.3/41

All: -212.622+/-124.856 χ^2/NDF: 90.4/84

- sign -284.463+/-174.924 χ^2/NDF: 57.7/42

asym_sam5_reg_correction_rms vs Slug



Right In: 740.223+/-0.207 χ^2/NDF: 2035446.0/16

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 688.316+/-0.191 χ^2/NDF: 2529968.7/19

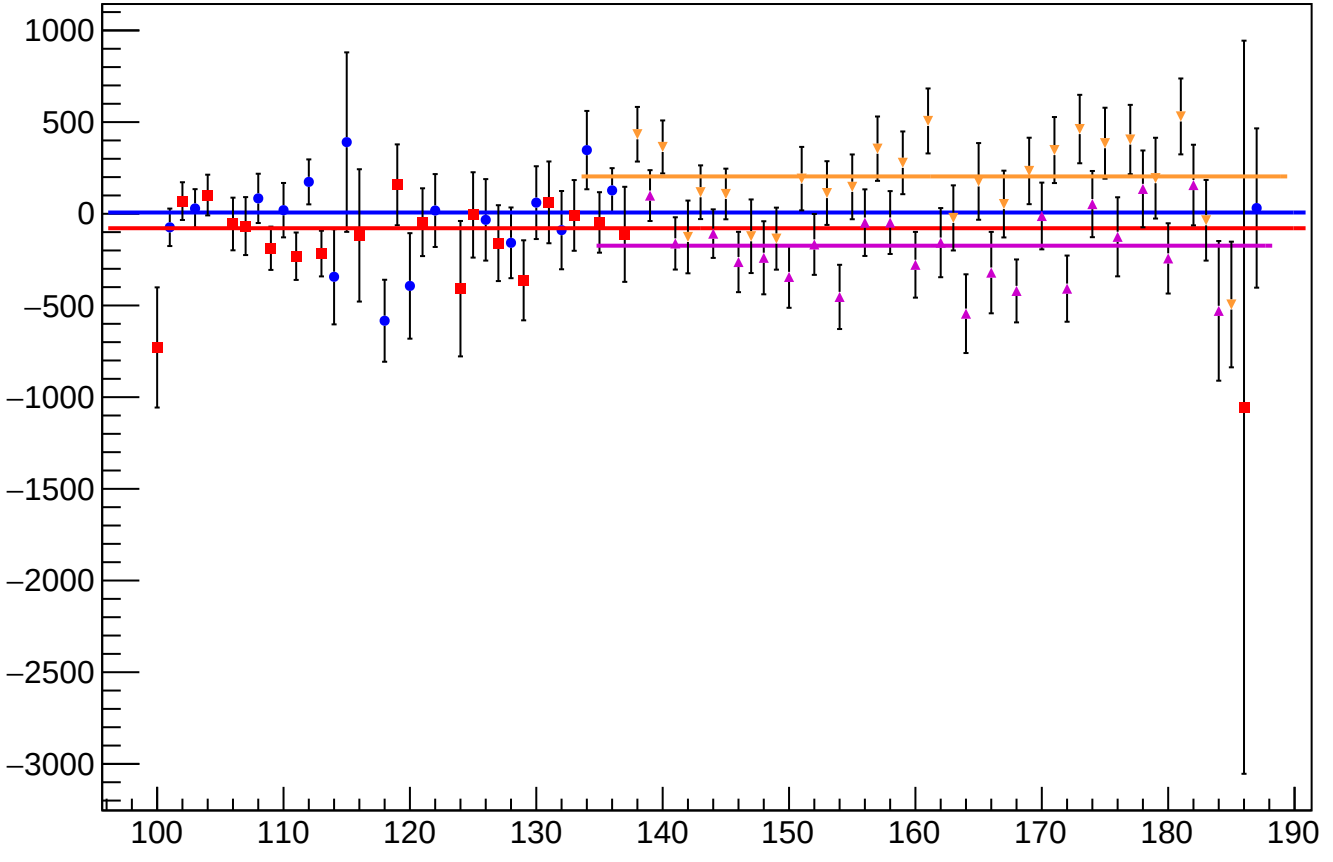
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 890.781+/-0.126 χ^2/NDF: 3302186.1/41

All: 871.920+/-0.088 χ^2/NDF: 7672999.9/84

- sign 853.761+/-0.124 χ^2/NDF: 4326872.8/42

cor_asym_sam5_mean vs Slug



Right In: 7.010+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -78.698+/-37.902 χ^2/NDF: 16.9/19

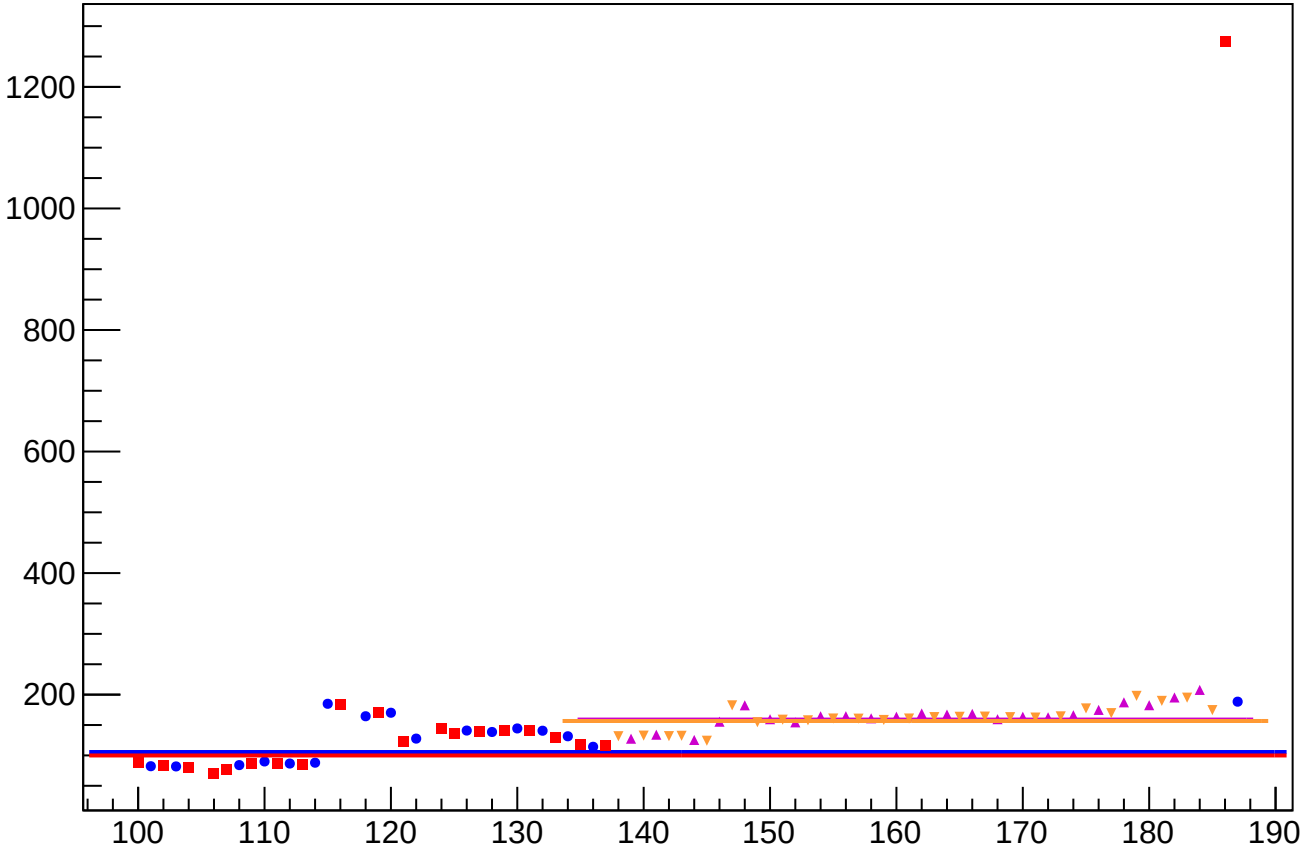
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.482+/-26.762 χ^2/NDF: 65.0/41

All: -5.873+/-18.874 χ^2/NDF: 151.2/84

- sign -126.967+/-26.623 χ^2/NDF: 44.7/42

cor_asym_sam5_rms vs Slug



Right In: 105.575+/-0.028 χ^2/NDF: 1004586.4/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 99.906+/-0.027 χ^2/NDF: 1732169.8/19

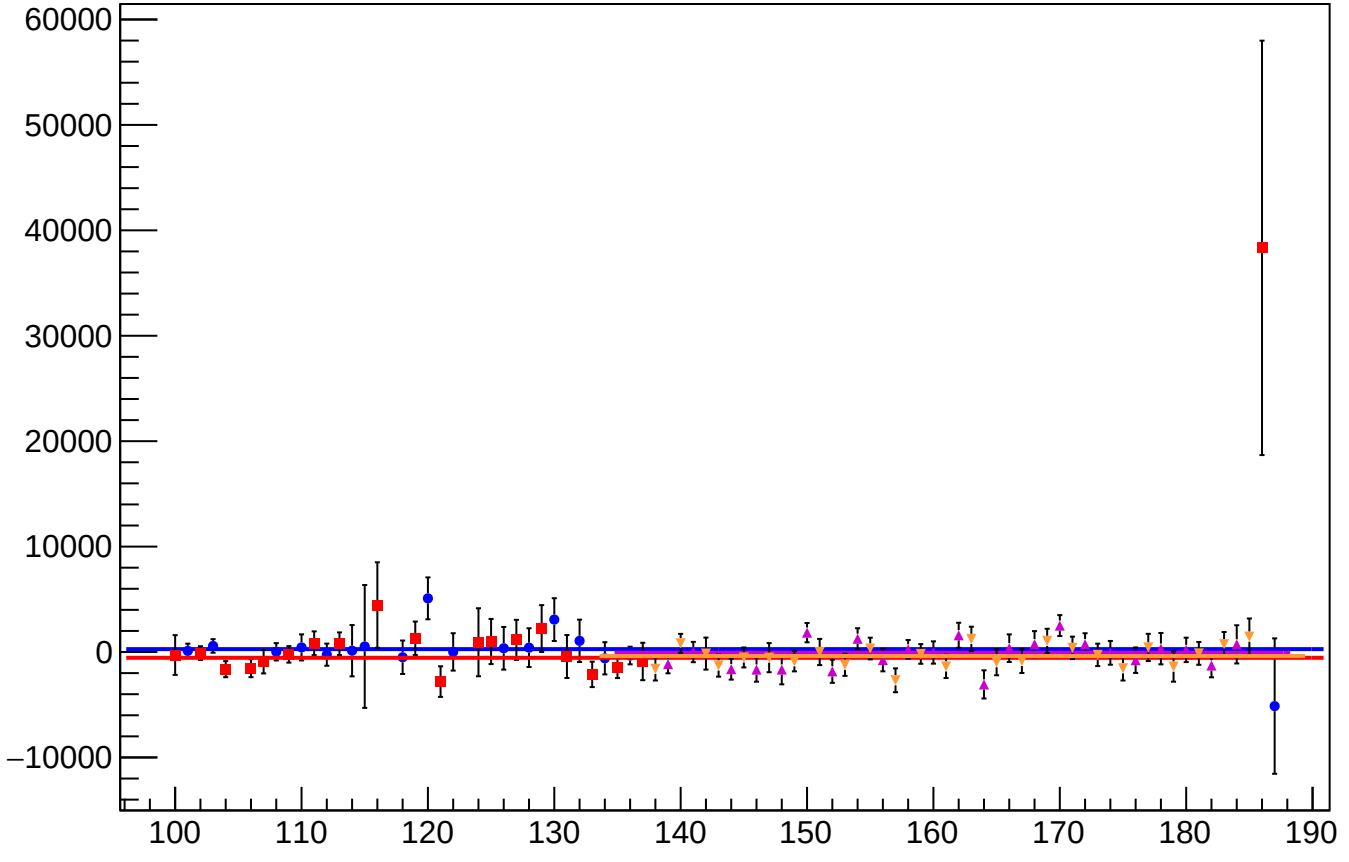
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.985+/-0.019 χ^2/NDF: 3384227.4/41

All: 131.891+/-0.013 χ^2/NDF: 8111001.1/84

- sign 129.818+/-0.019 χ^2/NDF: 4702400.2/42

asym_sam5_cor_correction_mean vs Slug



Right In: 275.639+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -548.100+/-269.928 χ^2/NDF: 21.9/19

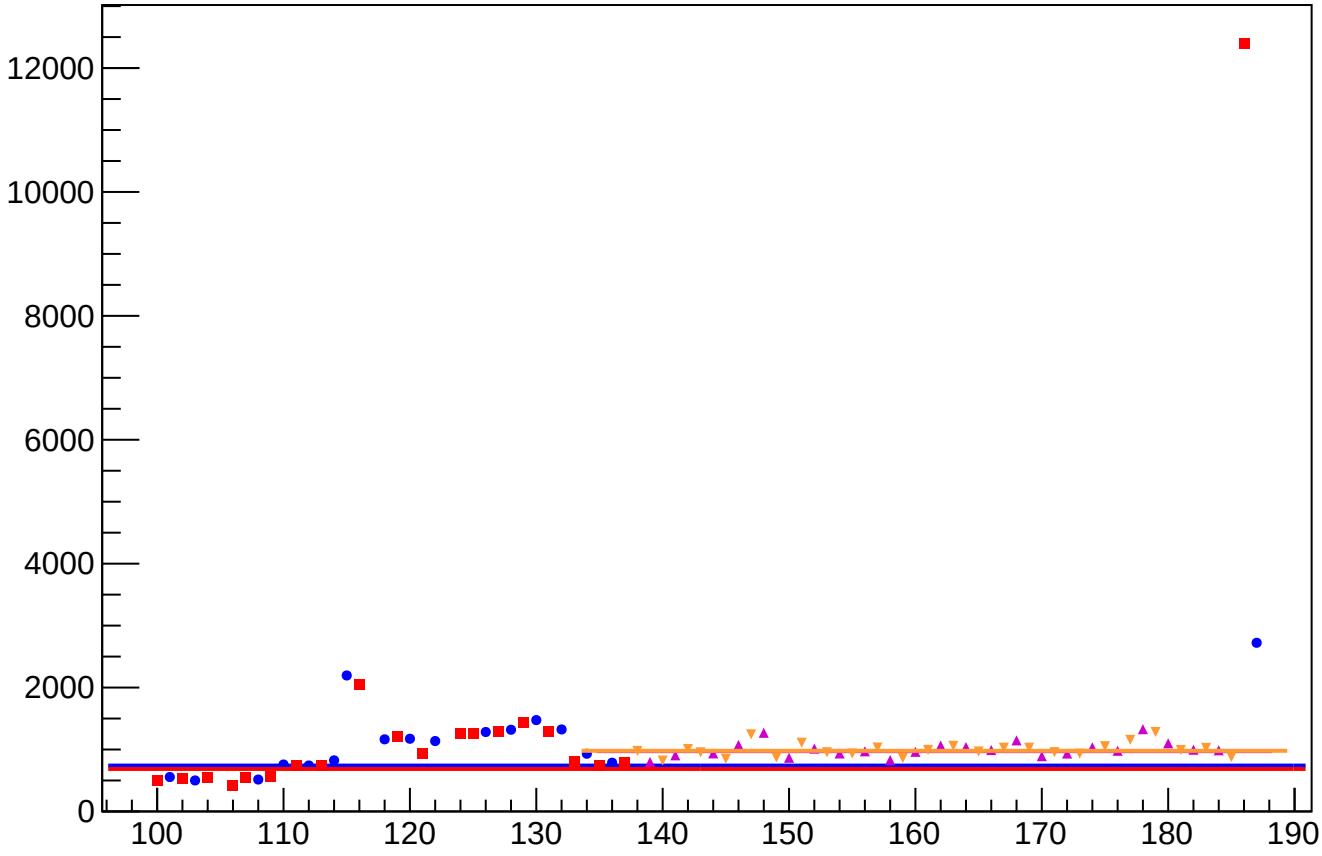
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -138.000+/-178.268 χ^2/NDF: 32.3/41

All: -206.997+/-124.873 χ^2/NDF: 89.4/84

- sign -273.466+/-174.973 χ^2/NDF: 56.8/42

asym_sam5_cor_correction_rms vs Slug



Right In: 740.222+/-0.207 χ^2/NDF: 2035448.0/16

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 686.191+/-0.191 χ^2/NDF: 2561452.9/19

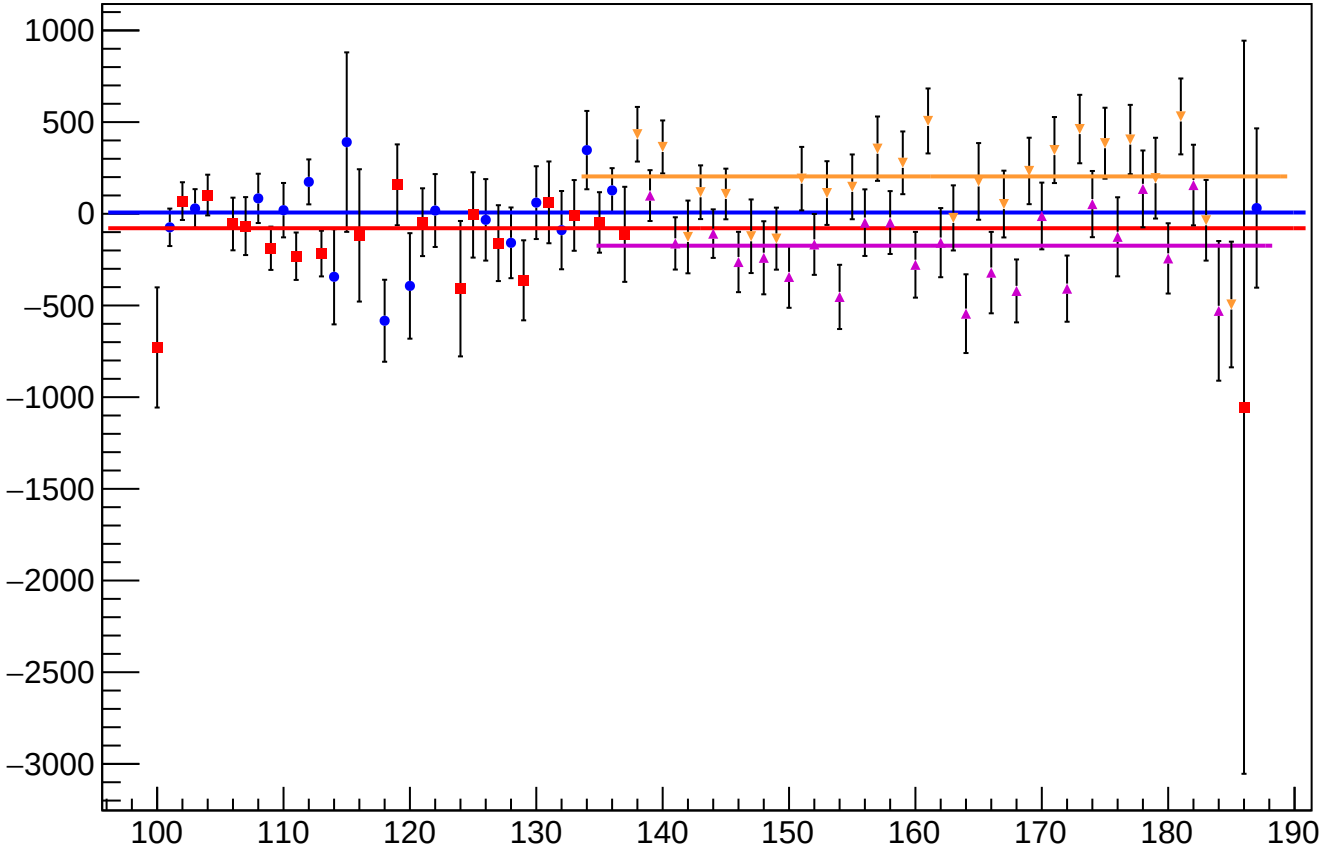
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 890.781+/-0.126 χ^2/NDF: 3302193.1/41

All: 871.517+/-0.088 χ^2/NDF: 7724784.7/84

- sign 852.960+/-0.124 χ^2/NDF: 4376742.1/42

eigen_cor_asym_sam5_mean vs Slug



Right In: 7.010+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -78.698+/-37.902 χ^2/NDF: 16.9/19

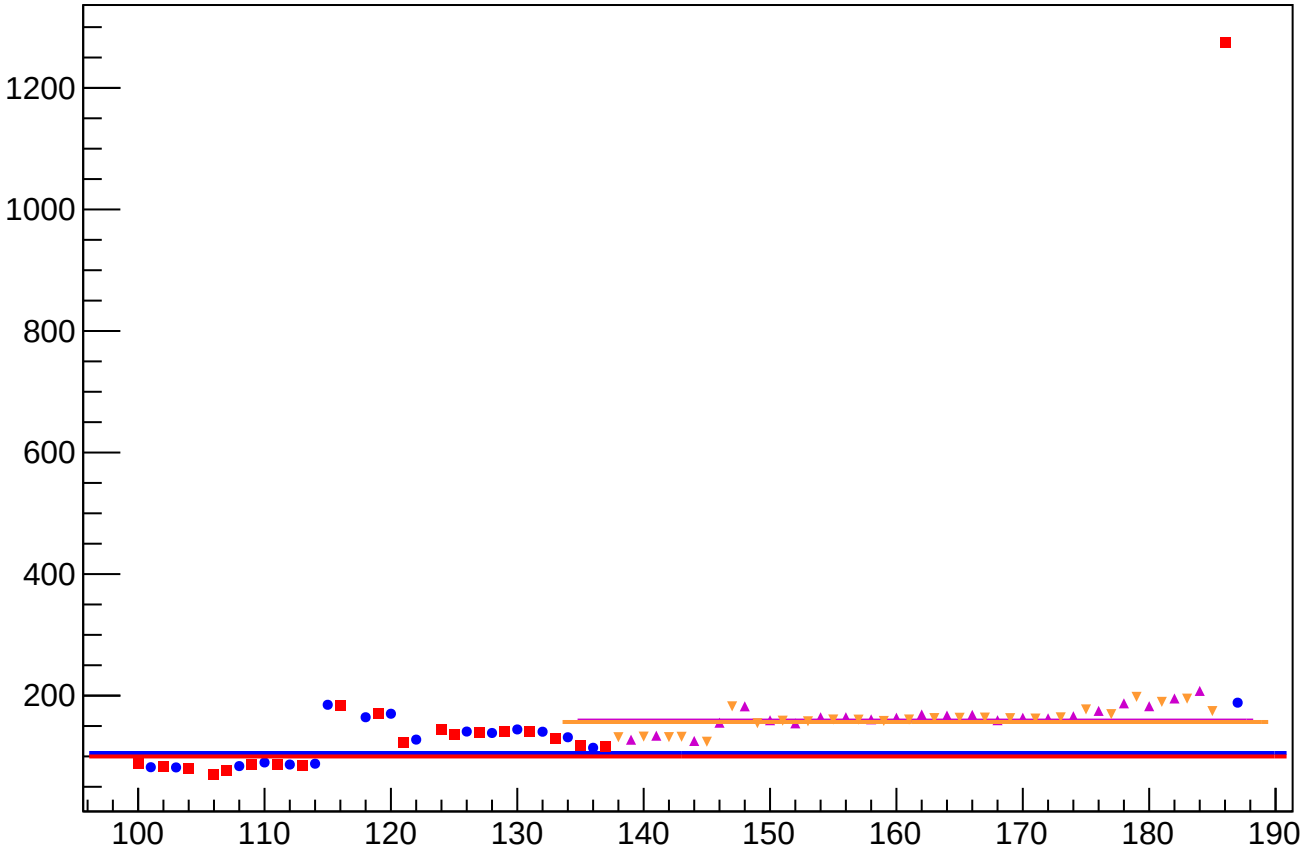
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.482+/-26.762 χ^2/NDF: 65.0/41

All: -5.873+/-18.874 χ^2/NDF: 151.2/84

- sign -126.967+/-26.623 χ^2/NDF: 44.7/42

eigen_cor_asym_sam5_rms vs Slug



Right In: 105.575+/-0.028 χ^2/NDF: 1004586.4/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 99.906+/-0.027 χ^2/NDF: 1732169.8/19

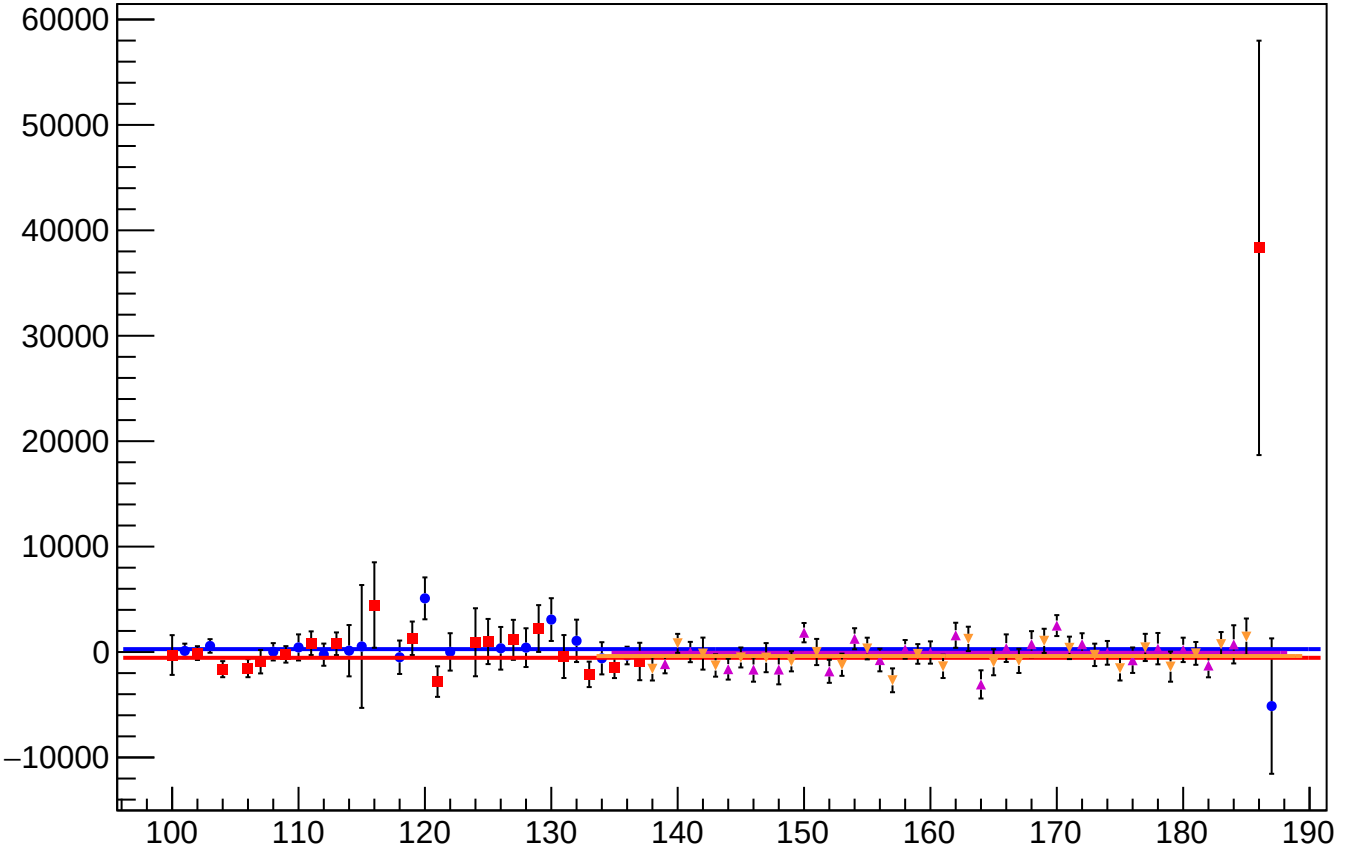
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 133.985+/-0.019 χ^2/NDF: 3384227.4/41

All: 131.891+/-0.013 χ^2/NDF: 8111001.1/84

- sign 129.818+/-0.019 χ^2/NDF: 4702400.2/42

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 275.639+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -548.100+/-269.928 χ^2/NDF: 21.9/19

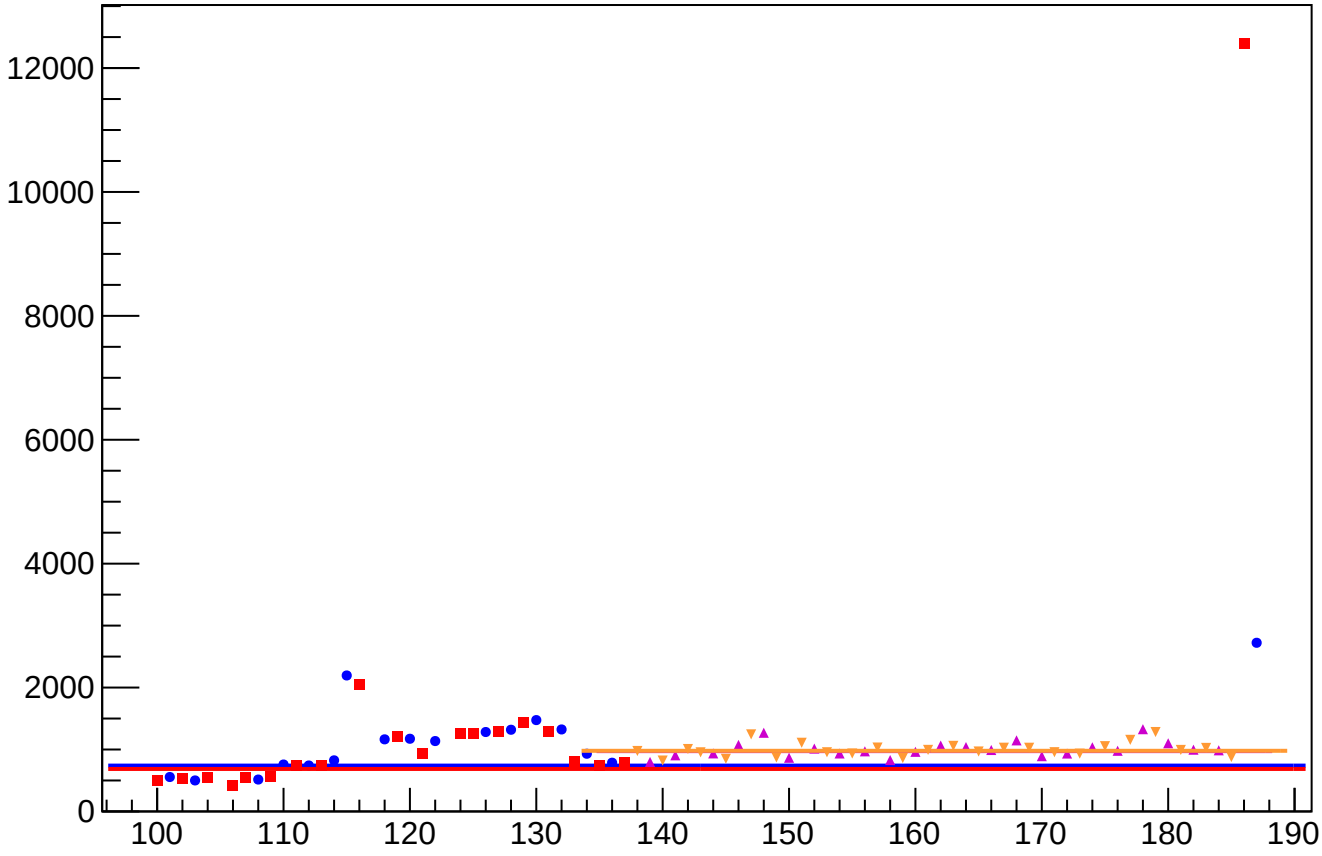
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -138.000+/-178.268 χ^2/NDF: 32.3/41

All: -206.997+/-124.873 χ^2/NDF: 89.4/84

- sign -273.466+/-174.973 χ^2/NDF: 56.8/42

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 740.222+/-0.207 χ^2/NDF: 2035448.0/16

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

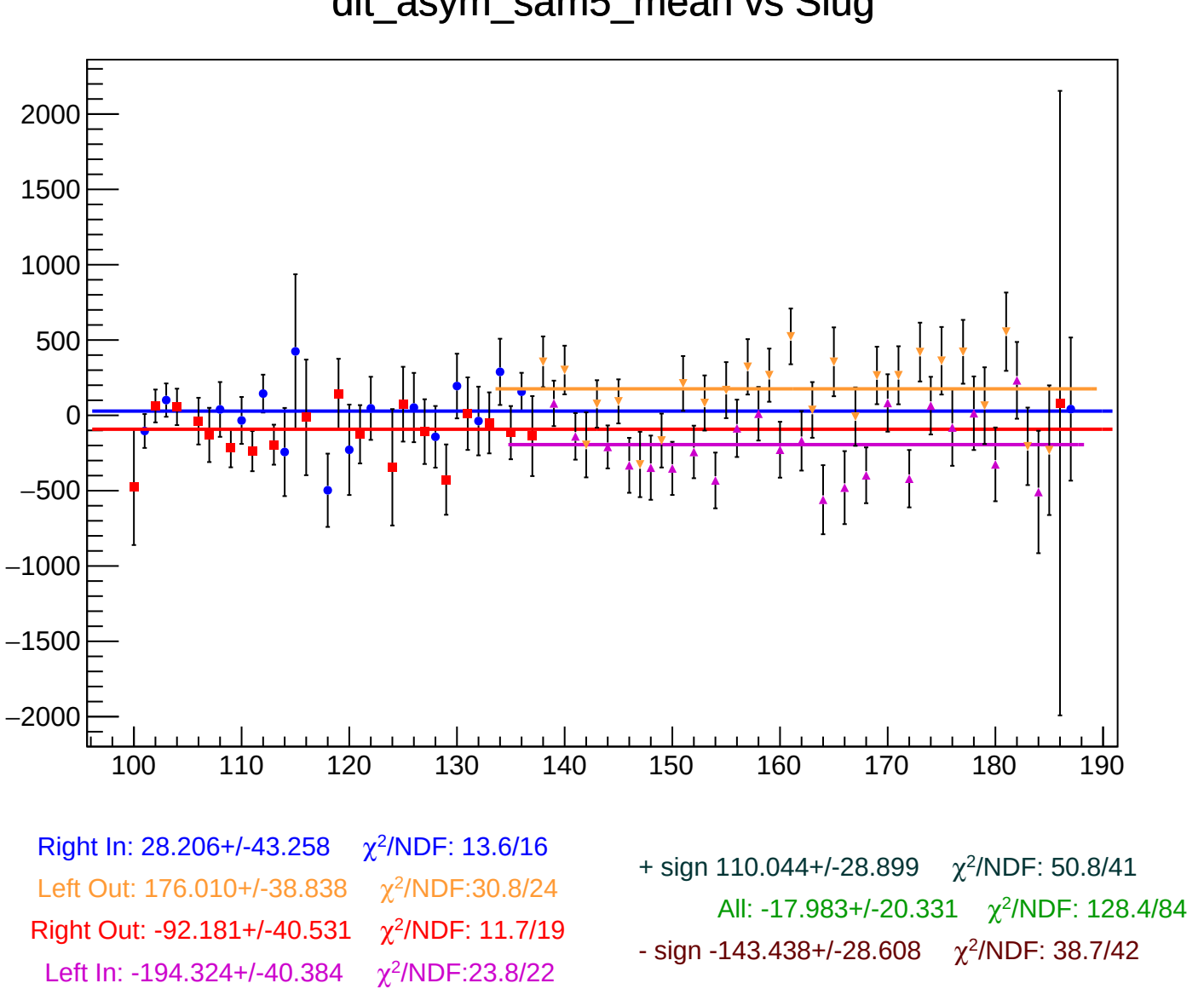
Right Out: 686.191+/-0.191 χ^2/NDF: 2561452.9/19

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

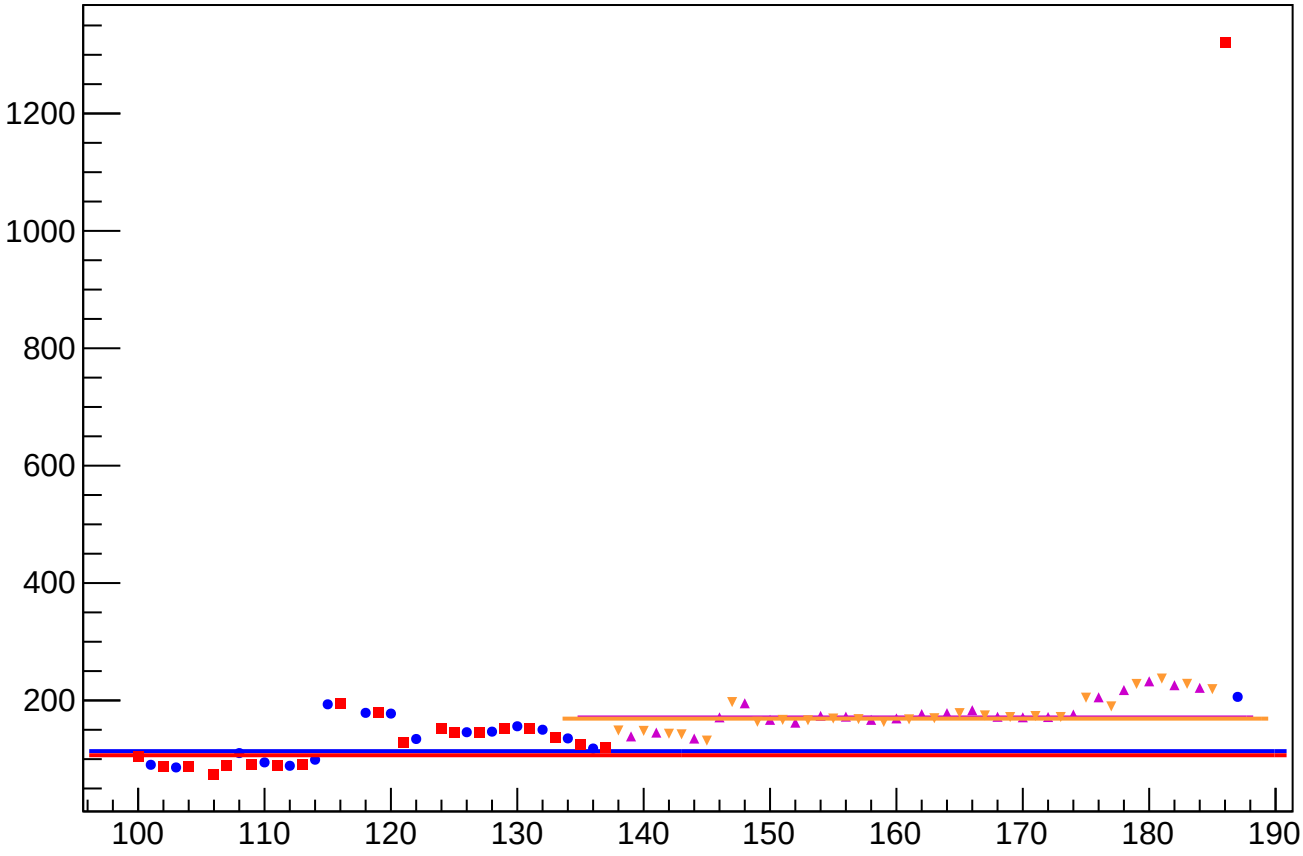
+ sign 890.781+/-0.126 χ^2/NDF: 3302193.1/41

All: 871.517+/-0.088 χ^2/NDF: 7724784.7/84

- sign 852.960+/-0.124 χ^2/NDF: 4376742.1/42


dit_asym_sam5_mean vs Slug
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 28.206+/-43.258 χ²/NDF: 13.6/16
Left Out: 176.010+/-38.838 χ²/NDF:30.8/24
Right Out: -92.181+/-40.531 χ²/NDF: 11.7/19
Left In: -194.324+/-40.384 χ²/NDF:23.8/22
+ sign 110.044+/-28.899 χ²/NDF: 50.8/41
All: -17.983+/-20.331 χ²/NDF: 128.4/84
- sign -143.438+/-28.608 χ²/NDF: 38.7/42

dit_asym_sam5_rms vs Slug



Right In: 113.615+/-0.031 χ^2/NDF: 948579.4/16

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 106.623+/-0.029 χ^2/NDF: 1688749.9/19

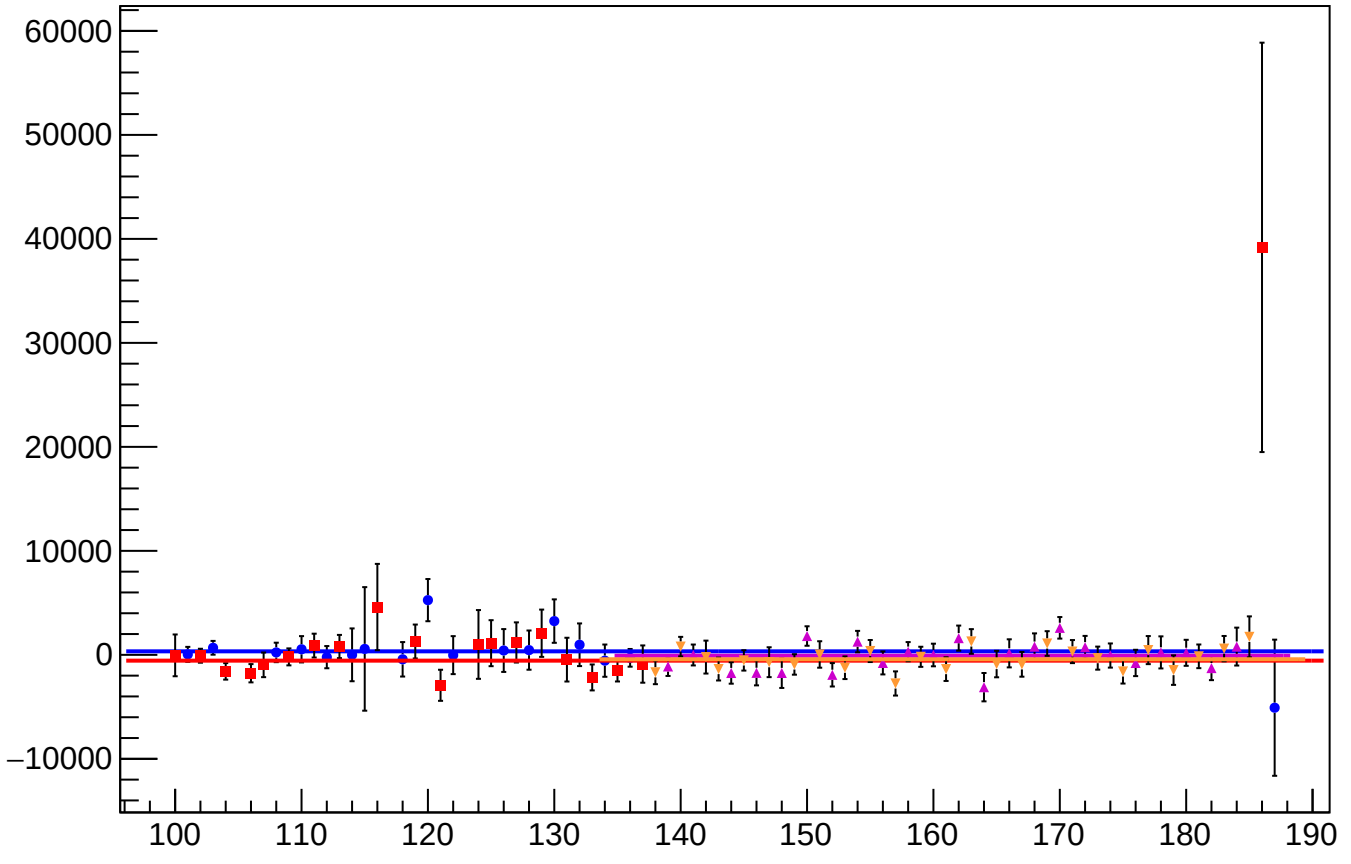
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 144.287+/-0.020 χ^2/NDF: 3538377.3/41

All: 141.586+/-0.014 χ^2/NDF: 8473472.4/84

- sign 138.939+/-0.020 χ^2/NDF: 4900512.3/42

asym_sam5_dit_correction_mean vs Slug



Right In: 337.315+/-304.996 χ^2/NDF: 10.5/16

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -558.030+/-279.190 χ^2/NDF: 22.4/19

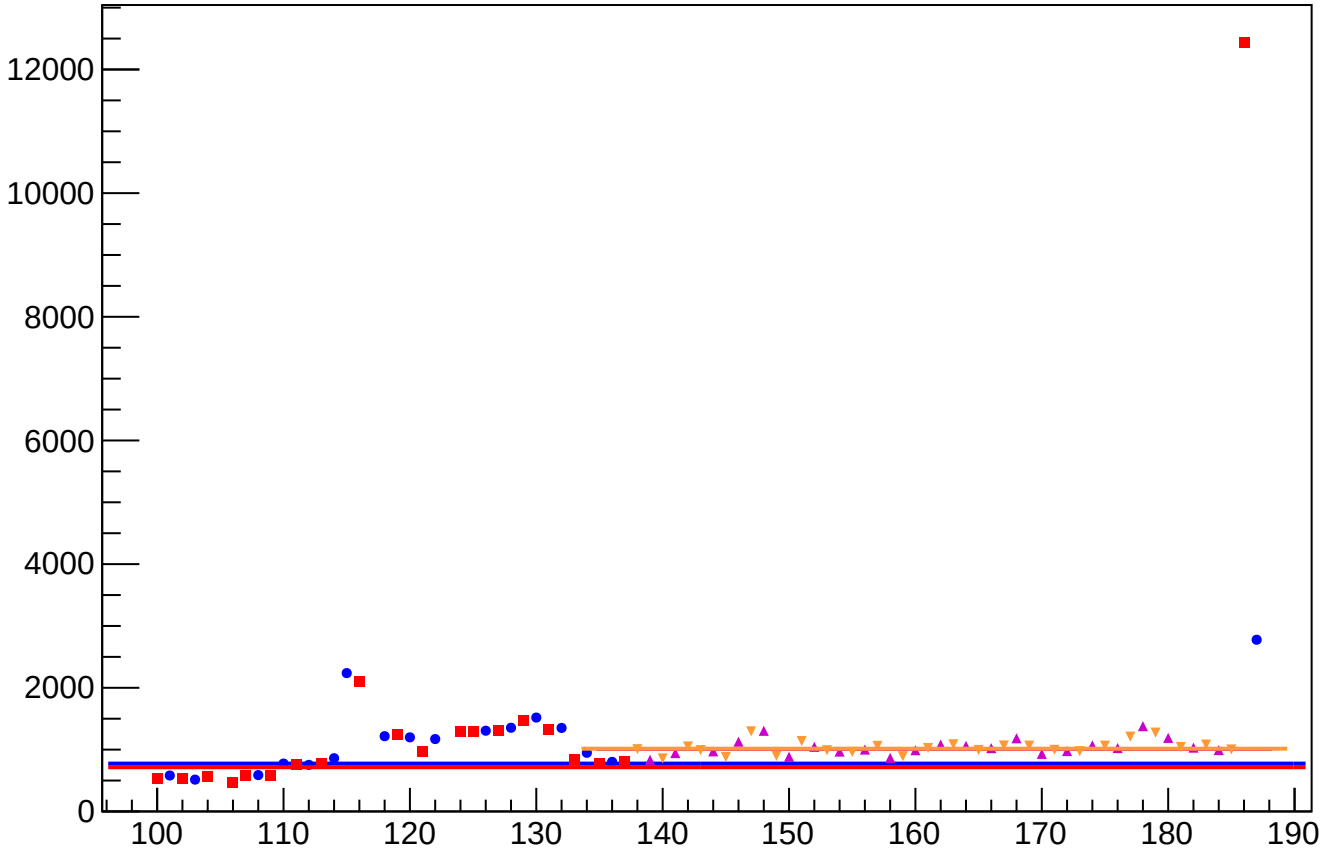
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -145.251+/-184.933 χ^2/NDF: 32.8/41

All: -216.599+/-129.423 χ^2/NDF: 89.6/84

- sign -285.089+/-181.189 χ^2/NDF: 56.4/42

asym_sam5_dit_correction_rms vs Slug



Right In: 773.915+/-0.216 χ^2/NDF: 1927628.2/16

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 714.986+/-0.197 χ^2/NDF: 2475769.2/19

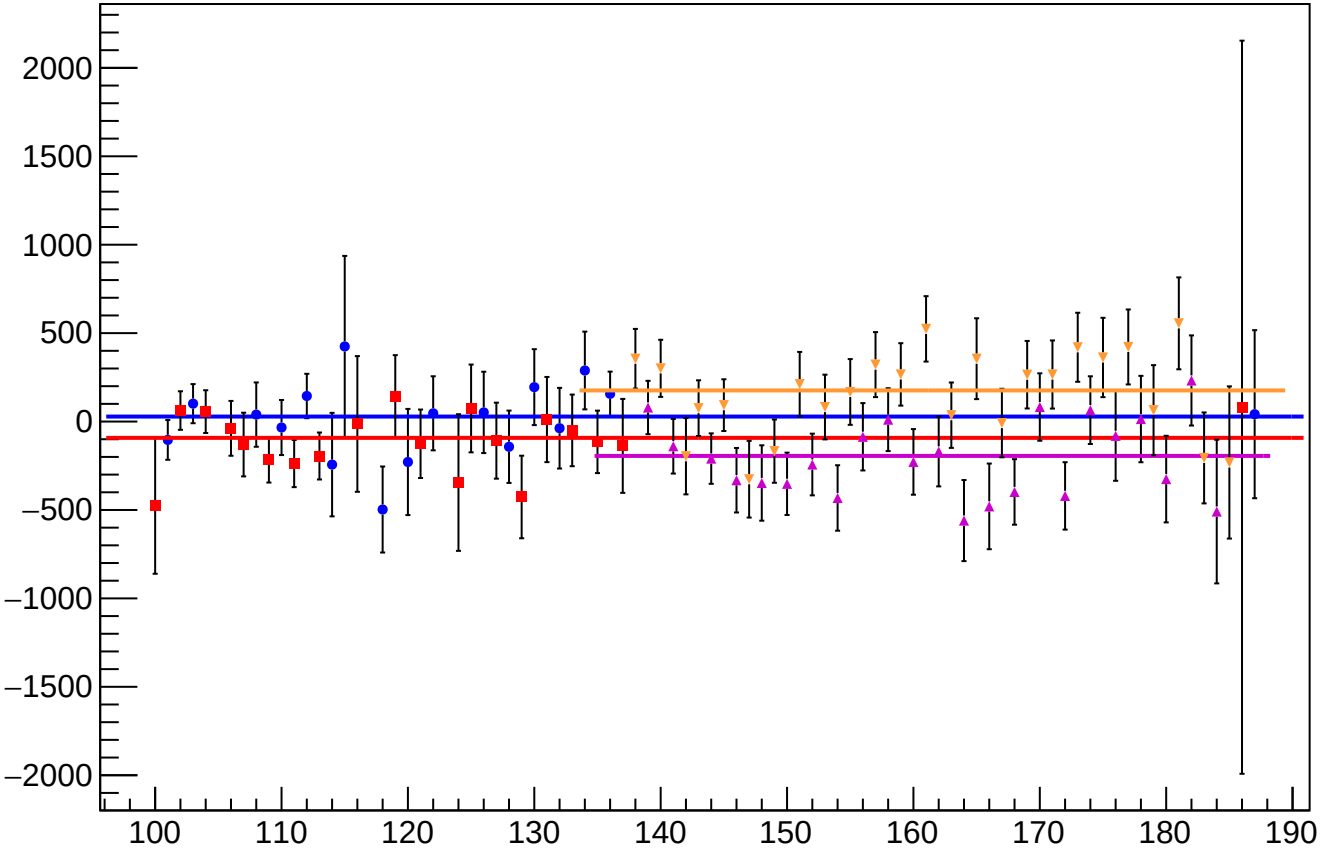
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 926.394+/-0.131 χ^2/NDF: 3116092.7/41

All: 905.558+/-0.092 χ^2/NDF: 7430123.3/84

- sign 885.557+/-0.128 χ^2/NDF: 4264273.1/42

eigen_dit_asym_sam5_mean vs Slug



Right In: 28.205+/-43.258 χ^2/NDF: 13.6/16

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -92.181+/-40.531 χ^2/NDF: 11.7/19

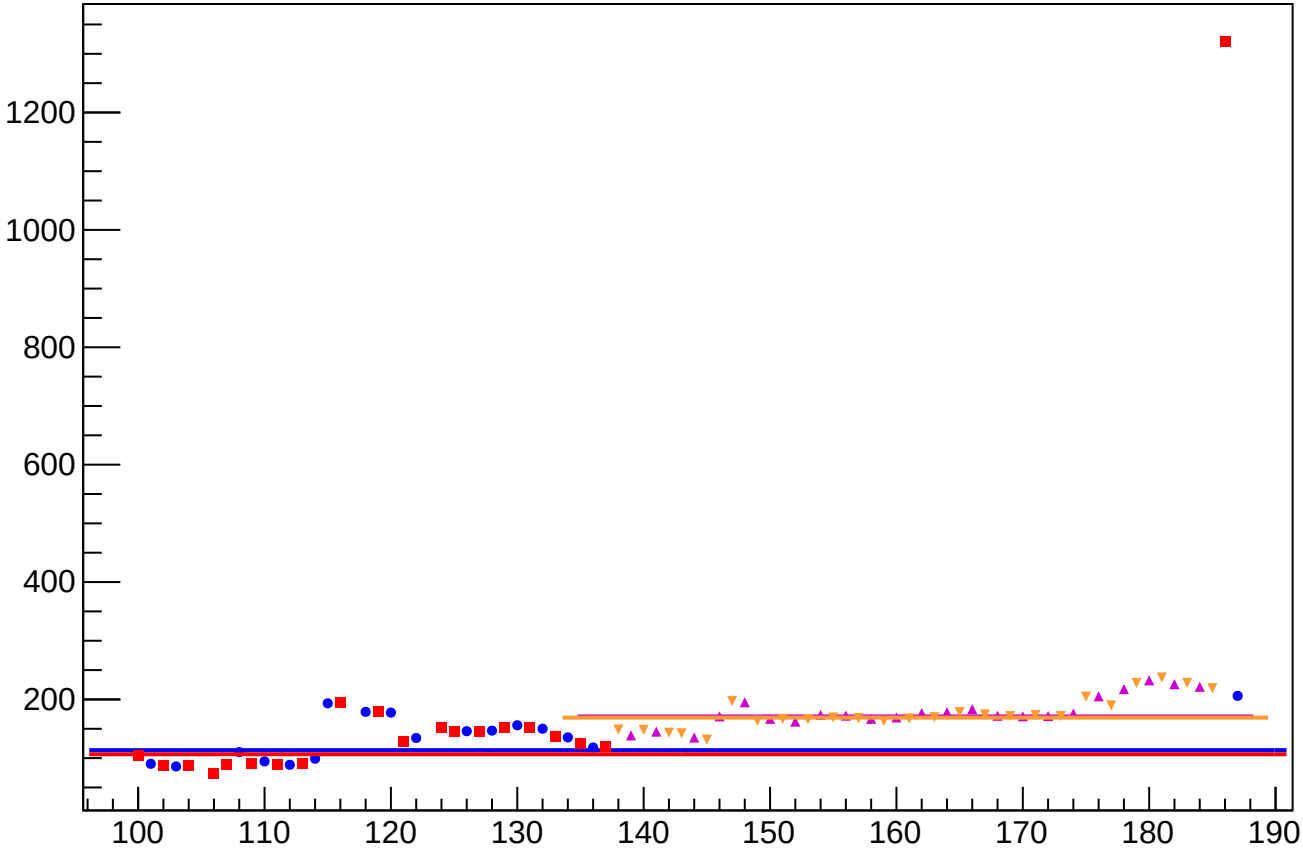
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 110.044+/-28.899 χ^2/NDF: 50.8/41

All: -17.983+/-20.331 χ^2/NDF: 128.4/84

- sign -143.438+/-28.607 χ^2/NDF: 38.7/42

eigen_dit_asym_sam5_rms vs Slug



Right In: 113.615+/-0.031 χ^2/NDF: 948575.2/16

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 106.623+/-0.029 χ^2/NDF: 1688738.2/19

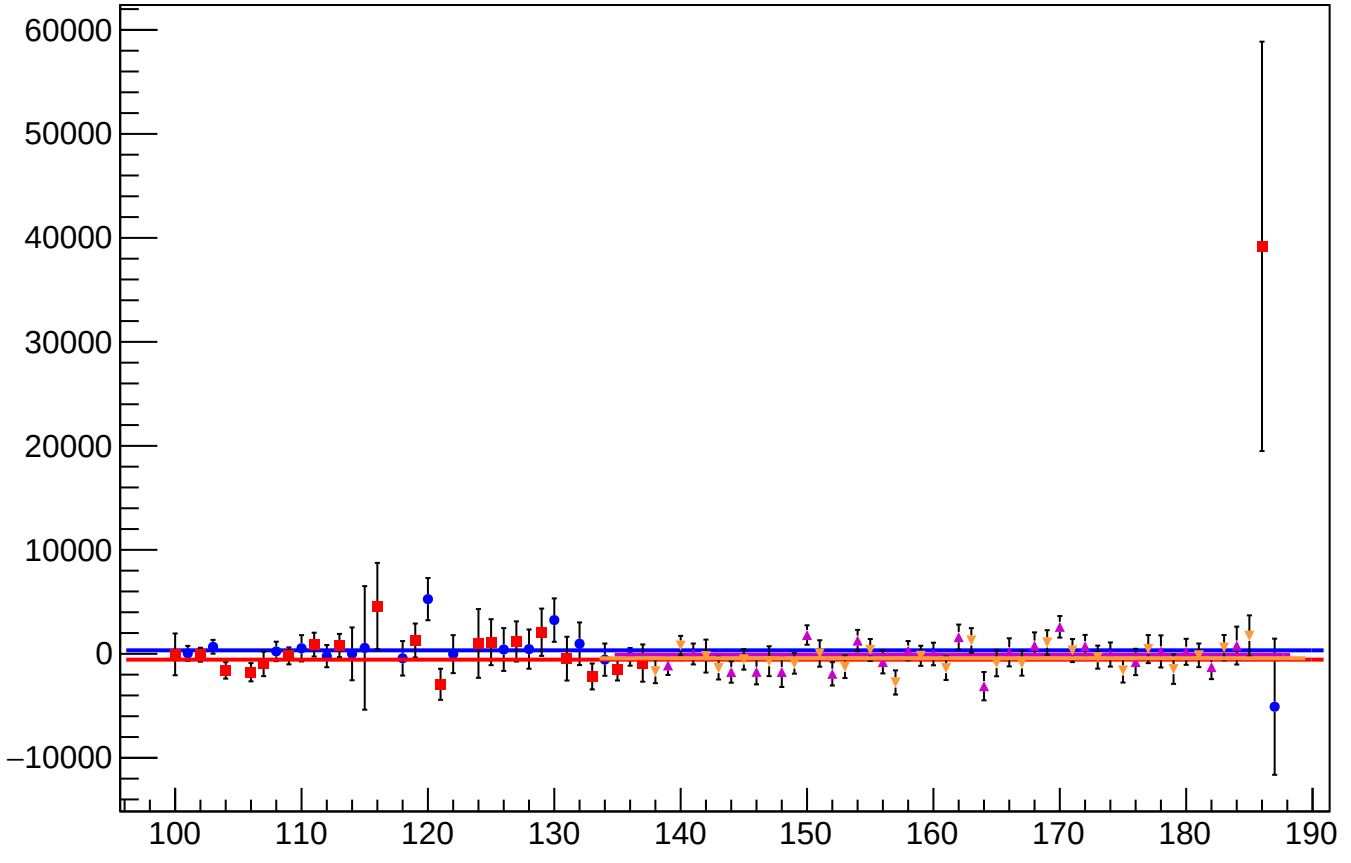
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 144.286+/-0.020 χ^2/NDF: 3538392.7/41

All: 141.586+/-0.014 χ^2/NDF: 8473505.2/84

- sign 138.939+/-0.020 χ^2/NDF: 4900530.5/42

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: 337.314+/-304.996 χ^2/NDF: 10.5/16

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -558.030+/-279.190 χ^2/NDF: 22.4/19

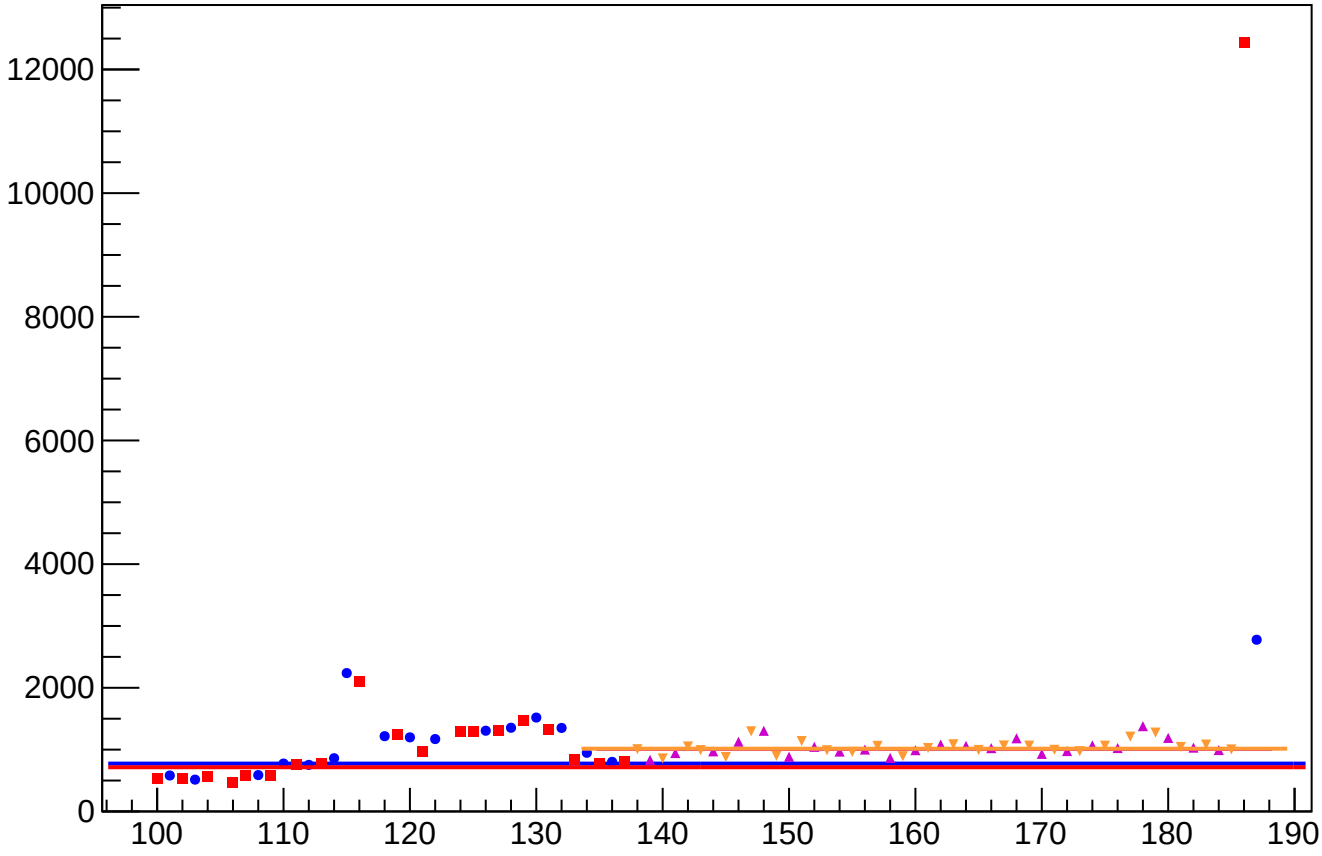
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -145.249+/-184.933 χ^2/NDF: 32.8/41

All: -216.599+/-129.423 χ^2/NDF: 89.6/84

- sign -285.090+/-181.189 χ^2/NDF: 56.4/42

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 773.914+/-0.216 χ^2/NDF: 1927625.4/16

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 714.985+/-0.197 χ^2/NDF: 2475761.9/19

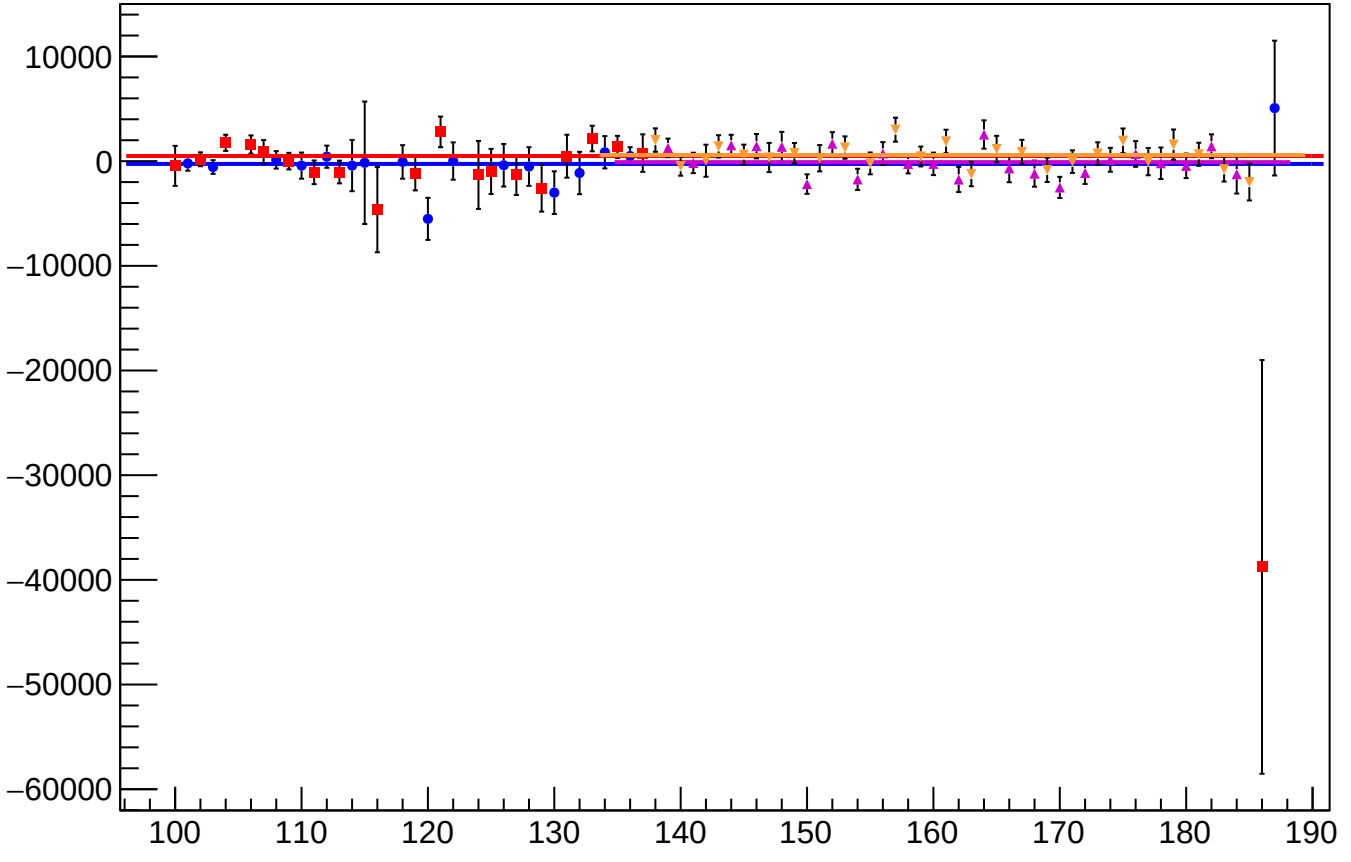
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 926.394+/-0.131 χ^2/NDF: 3116104.7/41

All: 905.558+/-0.092 χ^2/NDF: 7430150.3/84

- sign 885.557+/-0.128 χ^2/NDF: 4264287.9/42

asym_sam5_mean vs Slug



Right In: -264.873+/-296.394 χ^2/NDF: 11.7/16

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 494.494+/-272.965 χ^2/NDF: 24.4/19

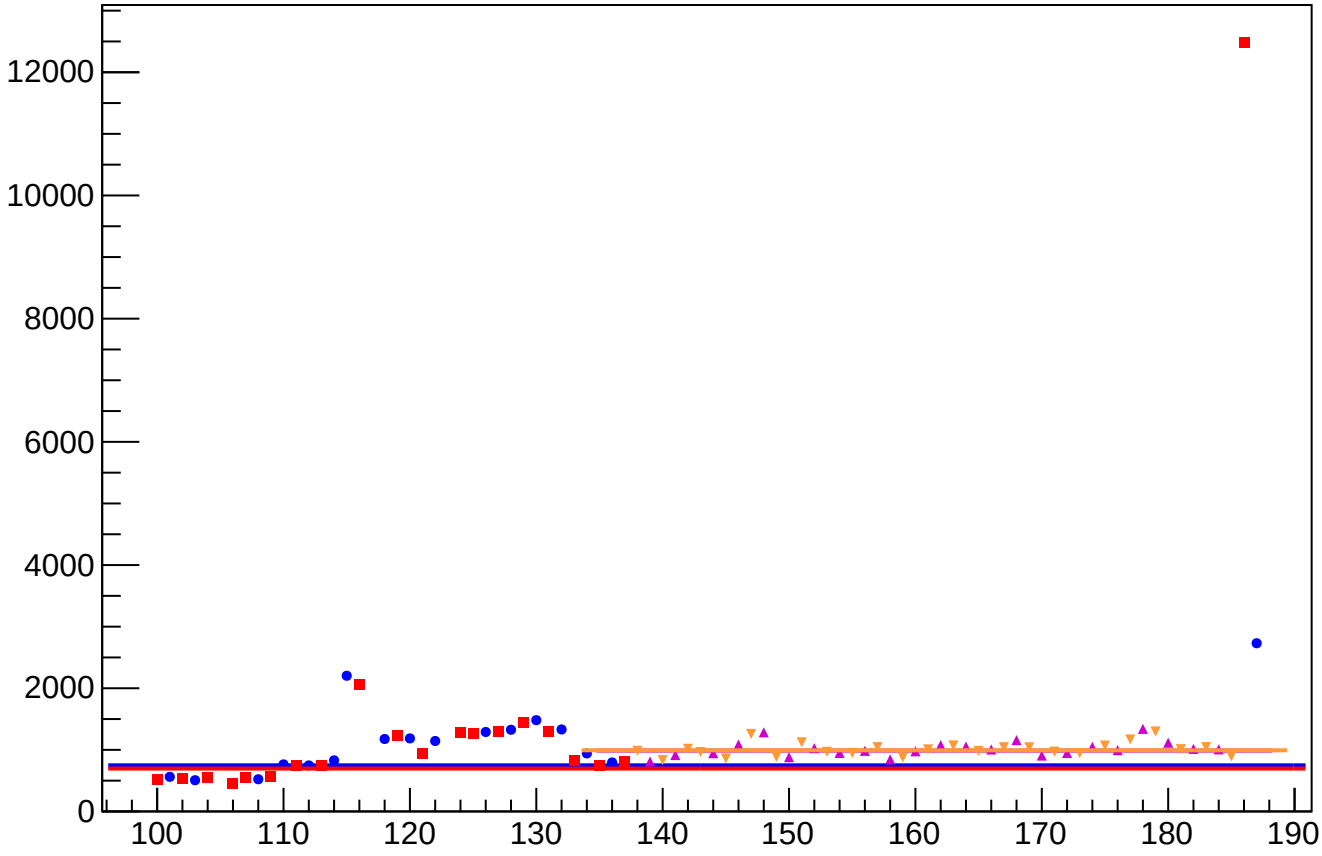
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 270.524+/-180.510 χ^2/NDF: 37.7/41

All: 211.618+/-126.463 χ^2/NDF: 99.6/84

- sign 154.835+/-177.226 χ^2/NDF: 61.7/42

asym_sam5_rms vs Slug



Right In: 748.989+/-0.210 χ^2/NDF: 2012318.0/16

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

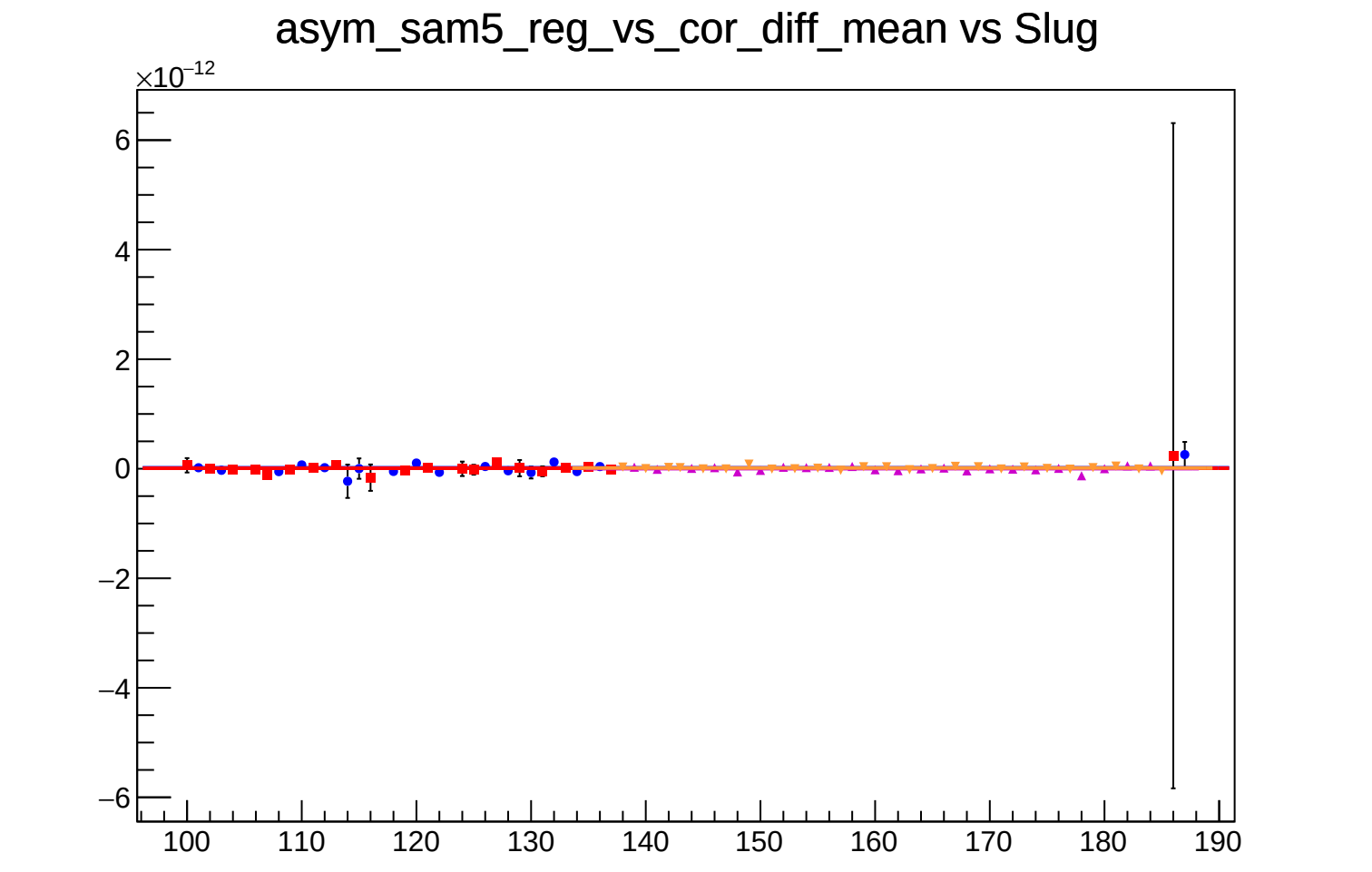
Right Out: 696.596+/-0.193 χ^2/NDF: 2514365.0/19

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 902.211+/-0.128 χ^2/NDF: 3286825.9/41

All: 883.282+/-0.089 χ^2/NDF: 7648663.8/84

- sign 865.036+/-0.125 χ^2/NDF: 4318645.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/19

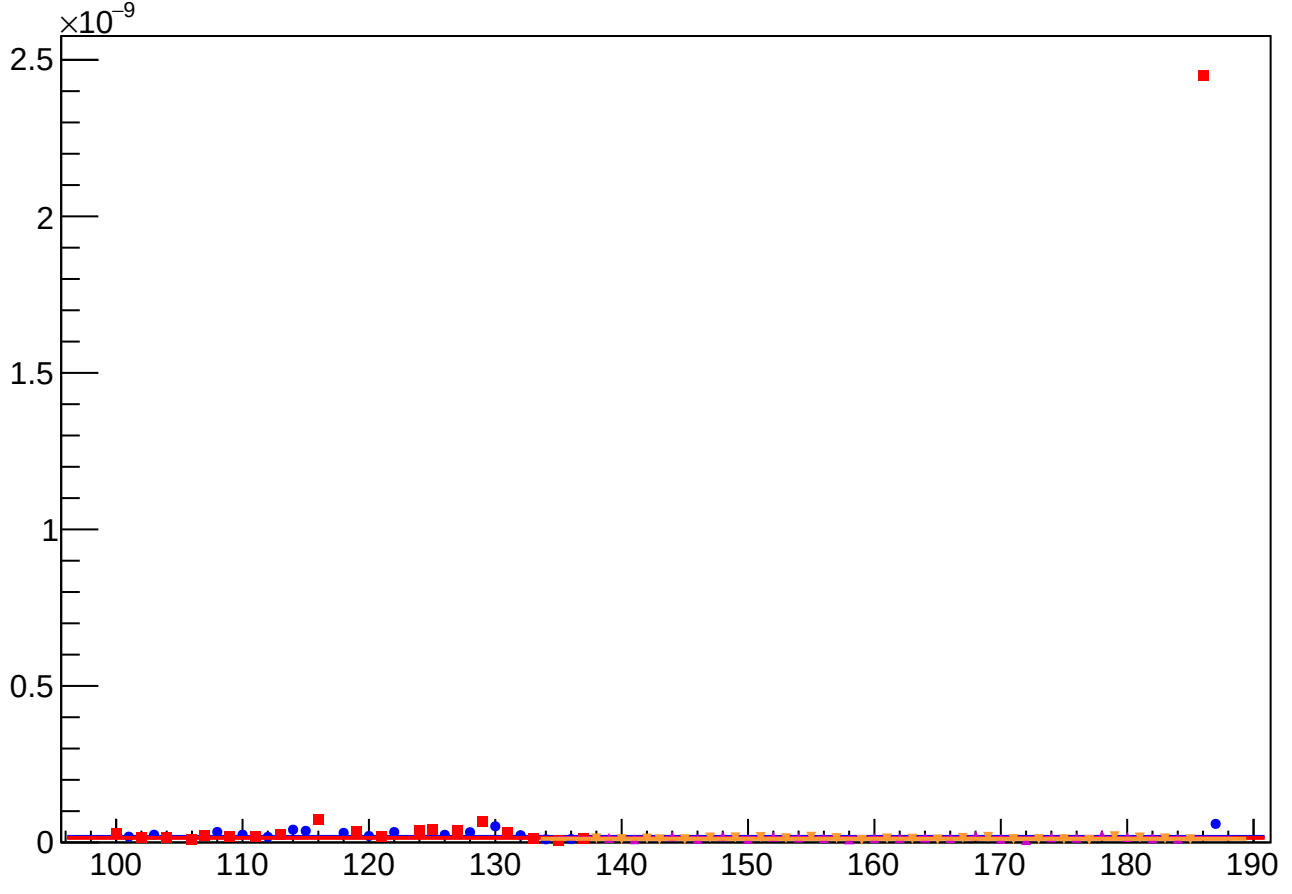
Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.3/41

All: 0.000+/-0.000 χ^2/NDF: 87.3/84

- sign 0.000+/-0.000 χ^2/NDF: 42.6/42

asym_sam5_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1221672.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2063033.3/19

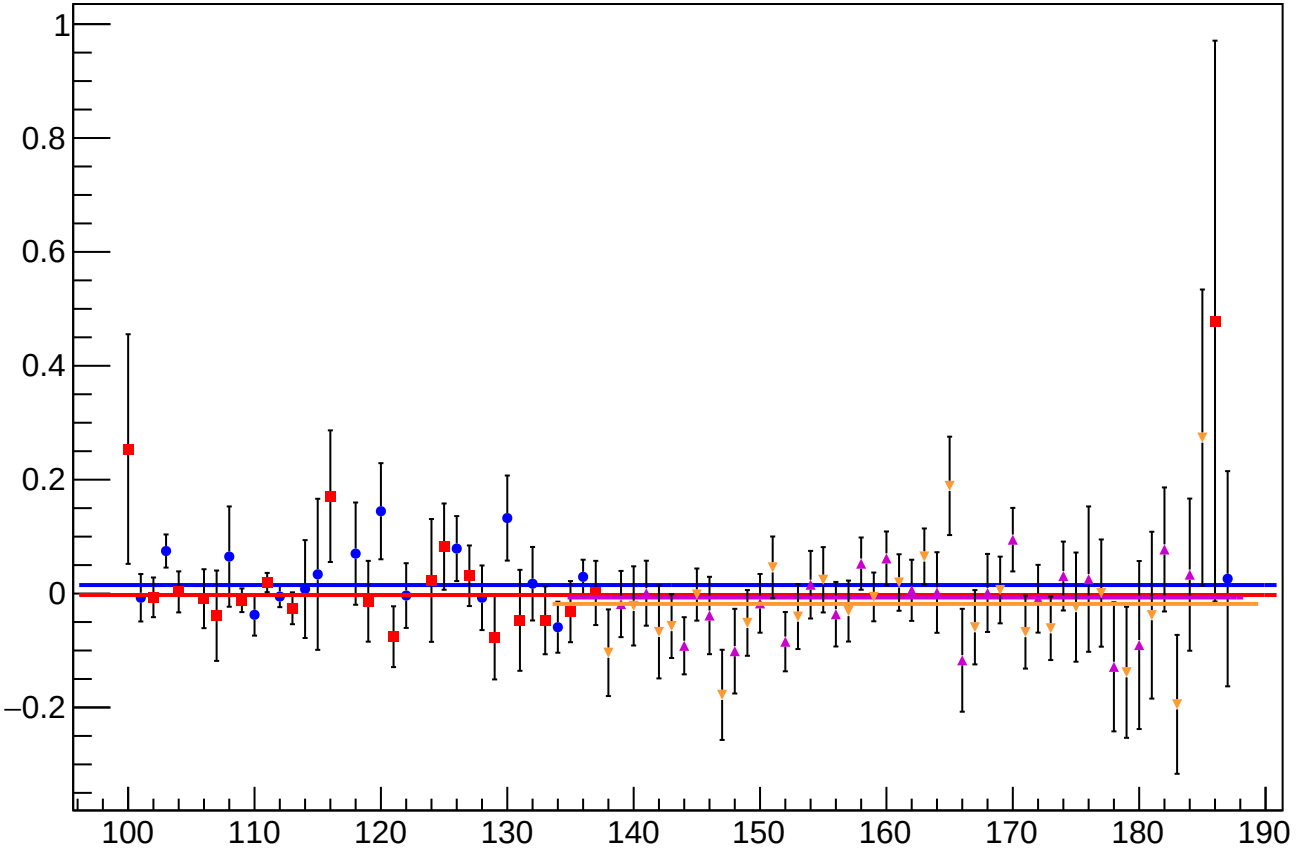
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2505926.1/41

All: 0.000+/-0.000 χ^2/NDF: 5508153.7/84

- sign 0.000+/-0.000 χ^2/NDF: 2945416.8/42

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

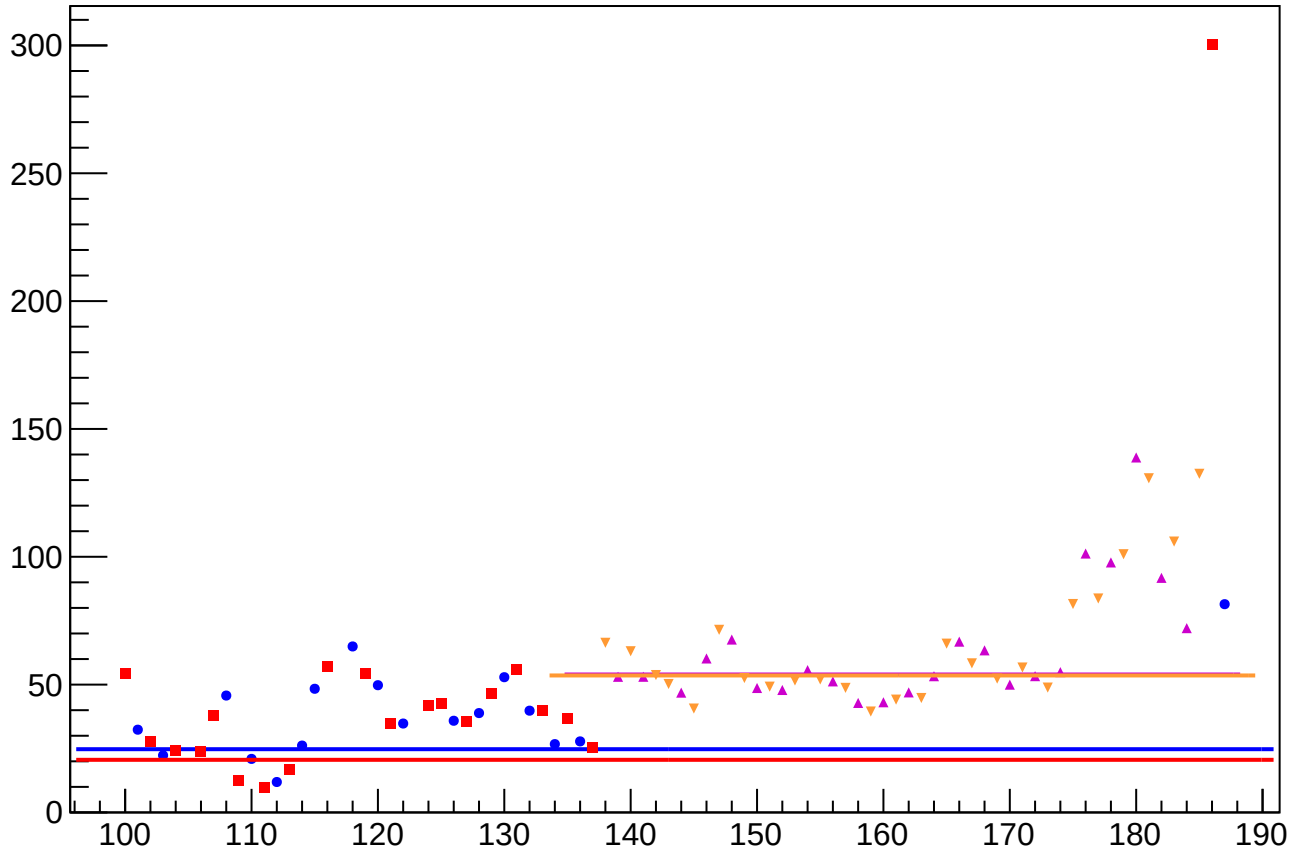
Right Out: -0.003+/-0.009 χ^2/NDF: 13.4/19

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.1/41

All: -0.001+/-0.006 χ^2/NDF: 78.5/84

- sign -0.004+/-0.008 χ^2/NDF: 32.2/42



Right In: 24.744+/-0.007 χ^2/NDF: 2665280.8/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 20.586+/-0.007 χ^2/NDF: 4230486.3/19

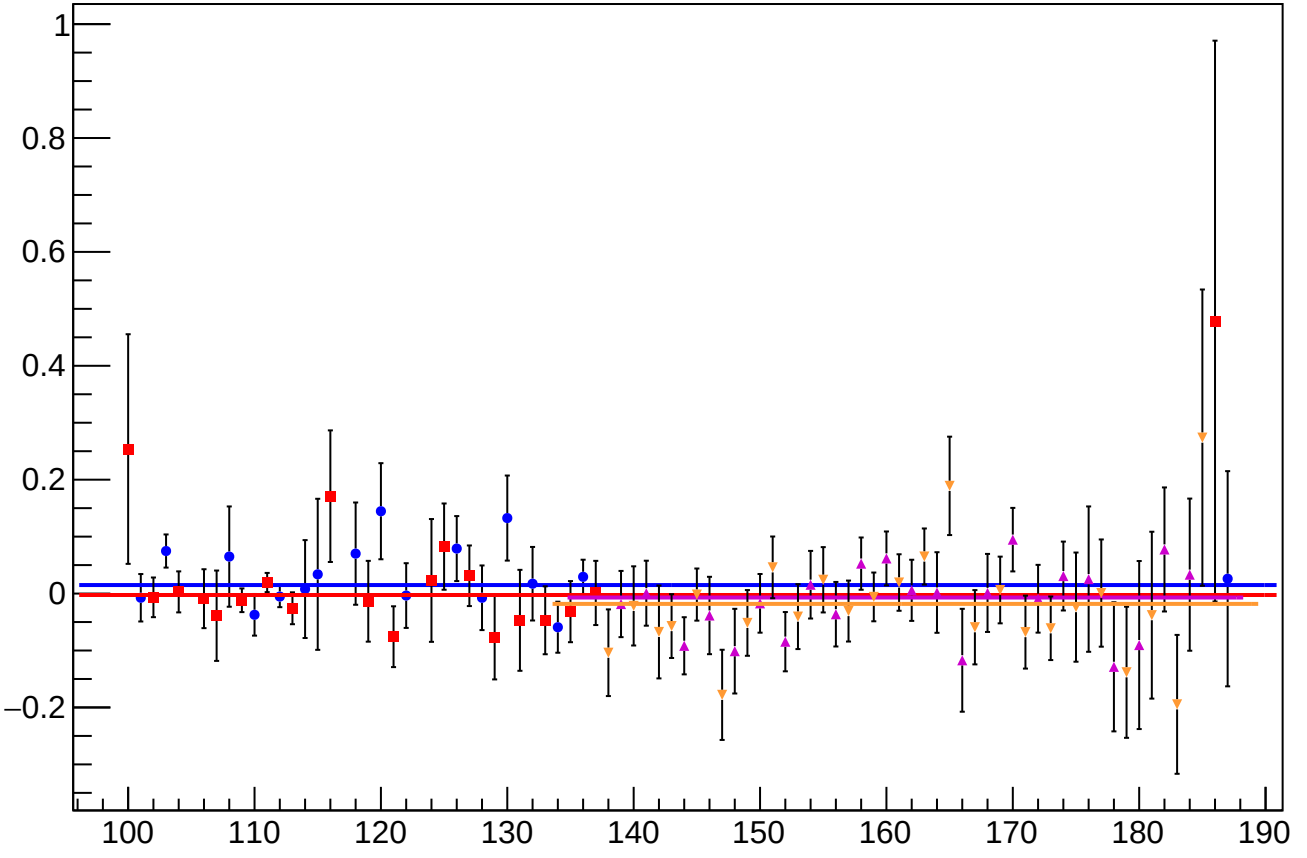
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.436+/-0.006 χ^2/NDF: 11342833.0/41

All: 33.807+/-0.004 χ^2/NDF: 26596594.8/84

- sign 31.545+/-0.005 χ^2/NDF: 14866553.1/42

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 13.4/19

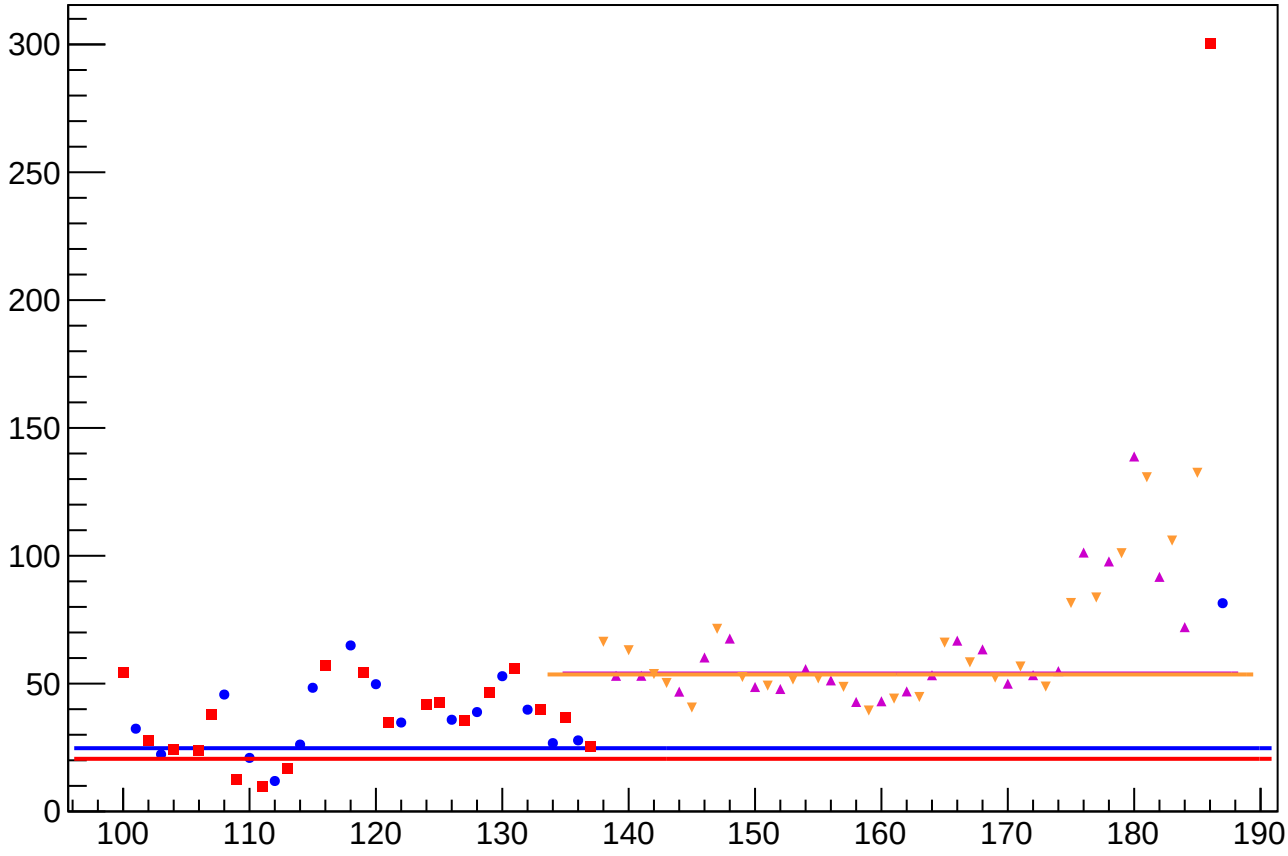
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.1/41

All: -0.001+/-0.006 χ^2/NDF: 78.5/84

- sign -0.004+/-0.008 χ^2/NDF: 32.2/42

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.744+/-0.007 χ^2/NDF: 2665280.8/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

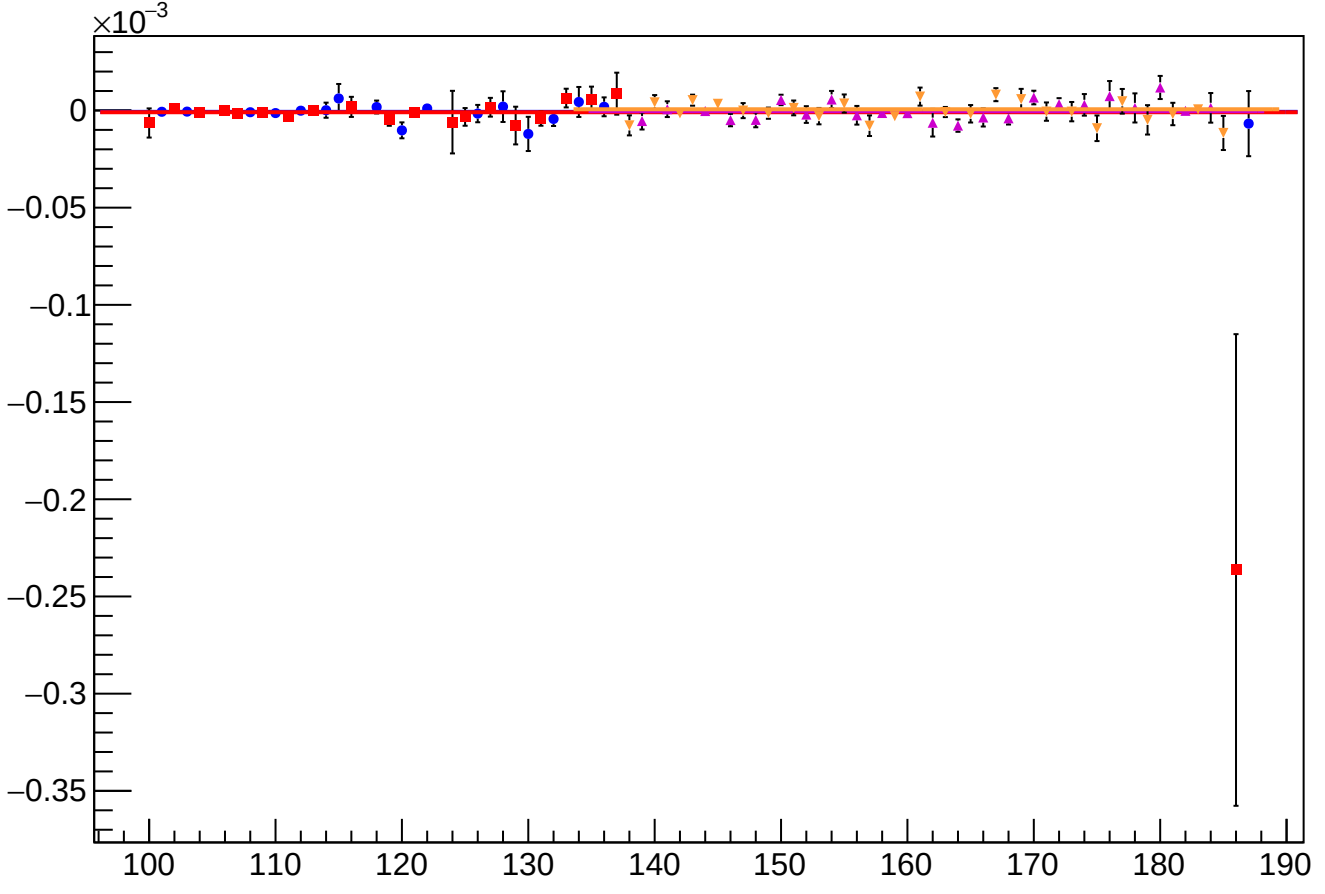
Right Out: 20.586+/-0.007 χ^2/NDF: 4230486.3/19

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 36.436+/-0.006 χ^2/NDF: 11342833.0/41

All: 33.807+/-0.004 χ^2/NDF: 26596594.8/84

- sign 31.545+/-0.005 χ^2/NDF: 14866553.1/42



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/19

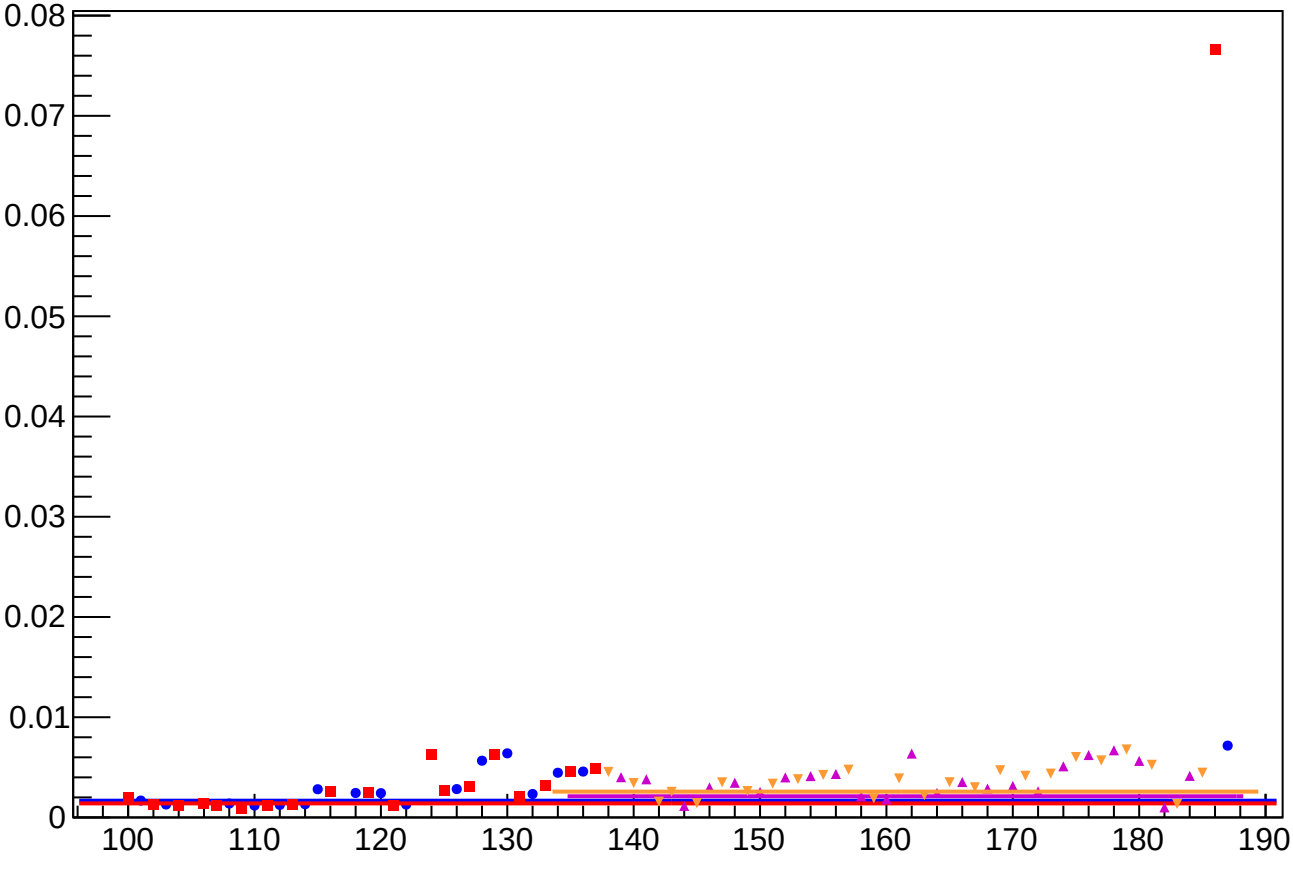
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/41

All: -0.000+/-0.000 χ^2/NDF: 92.2/84

- sign -0.000+/-0.000 χ^2/NDF: 47.0/42

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3157565.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3683857.7/19

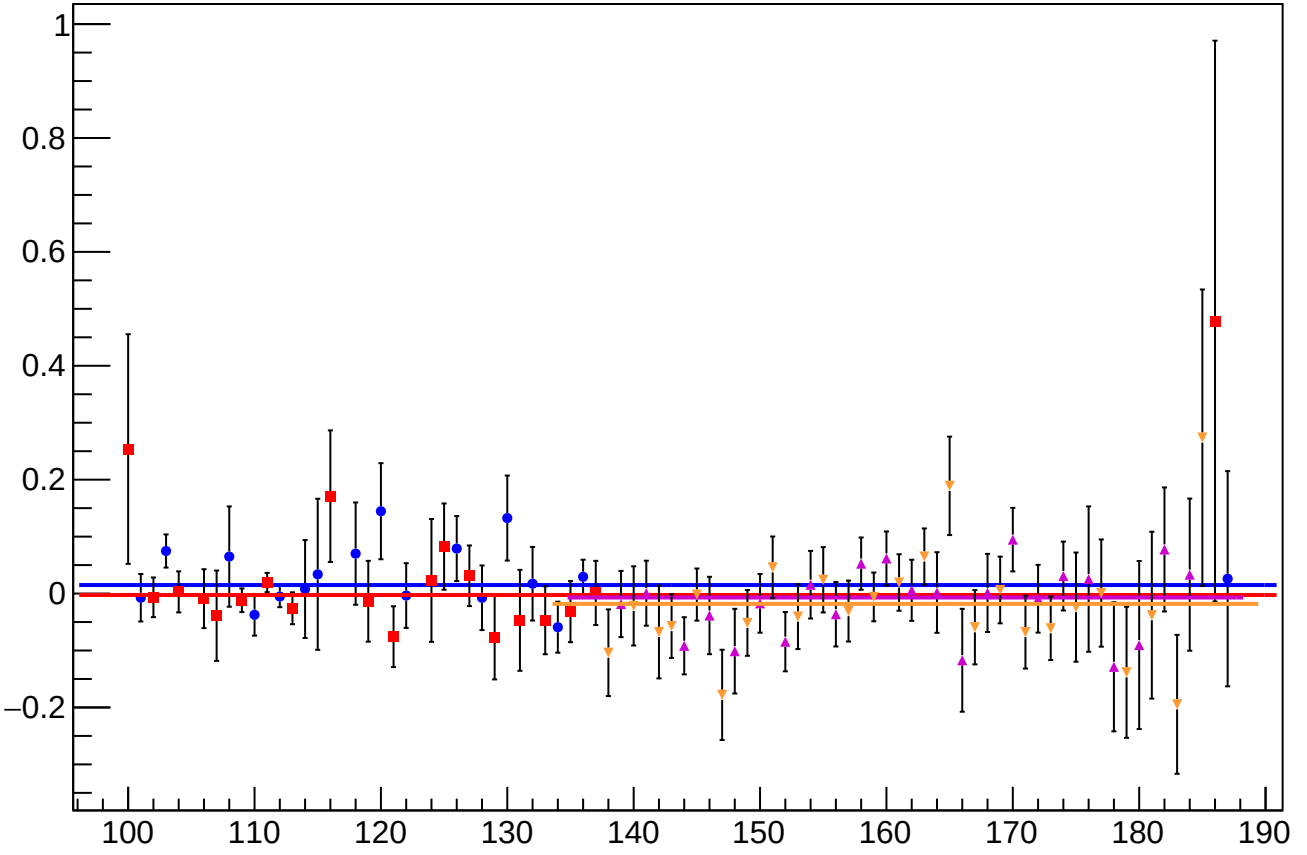
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 12039134.8/41

All: 0.002+/-0.000 χ^2/NDF: 27426962.0/84

- sign 0.002+/-0.000 χ^2/NDF: 14647387.5/42

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 13.4/19

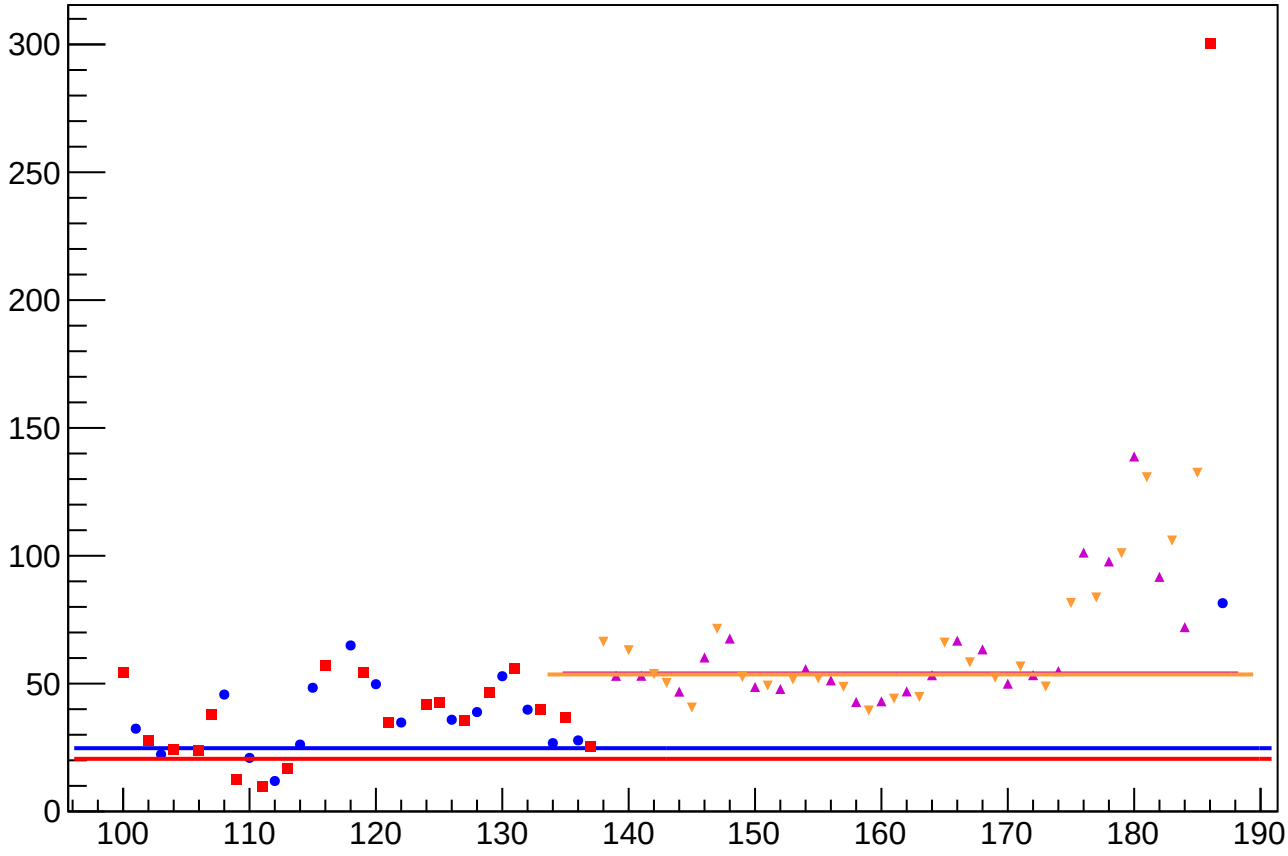
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.1/41

All: -0.001+/-0.006 χ^2/NDF: 78.5/84

- sign -0.004+/-0.008 χ^2/NDF: 32.2/42

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.744+/-0.007 χ^2/NDF: 2665195.2/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

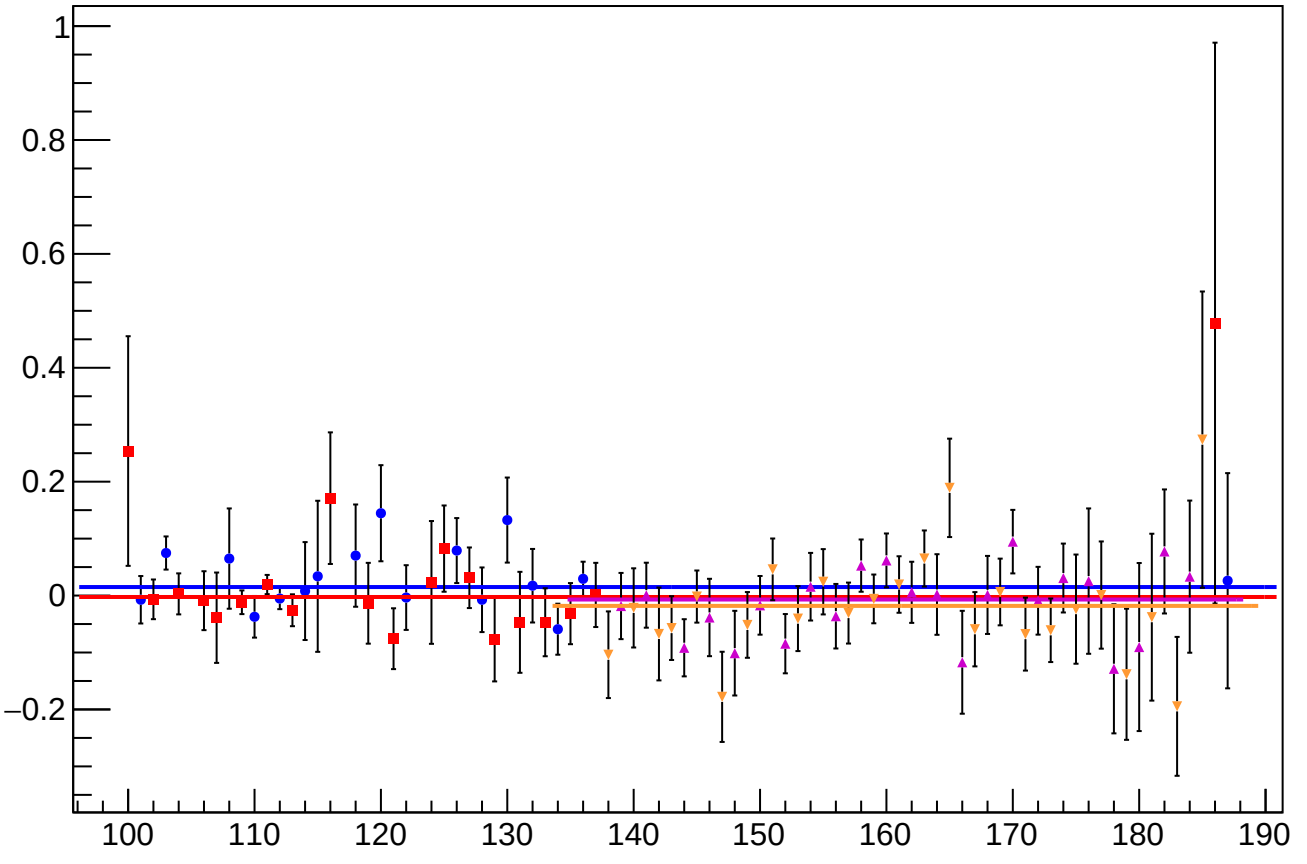
Right Out: 20.585+/-0.007 χ^2/NDF: 4230445.3/19

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.436+/-0.006 χ^2/NDF: 11343181.6/41

All: 33.806+/-0.004 χ^2/NDF: 26597443.3/84

- sign 31.544+/-0.005 χ^2/NDF: 14867022.9/42



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

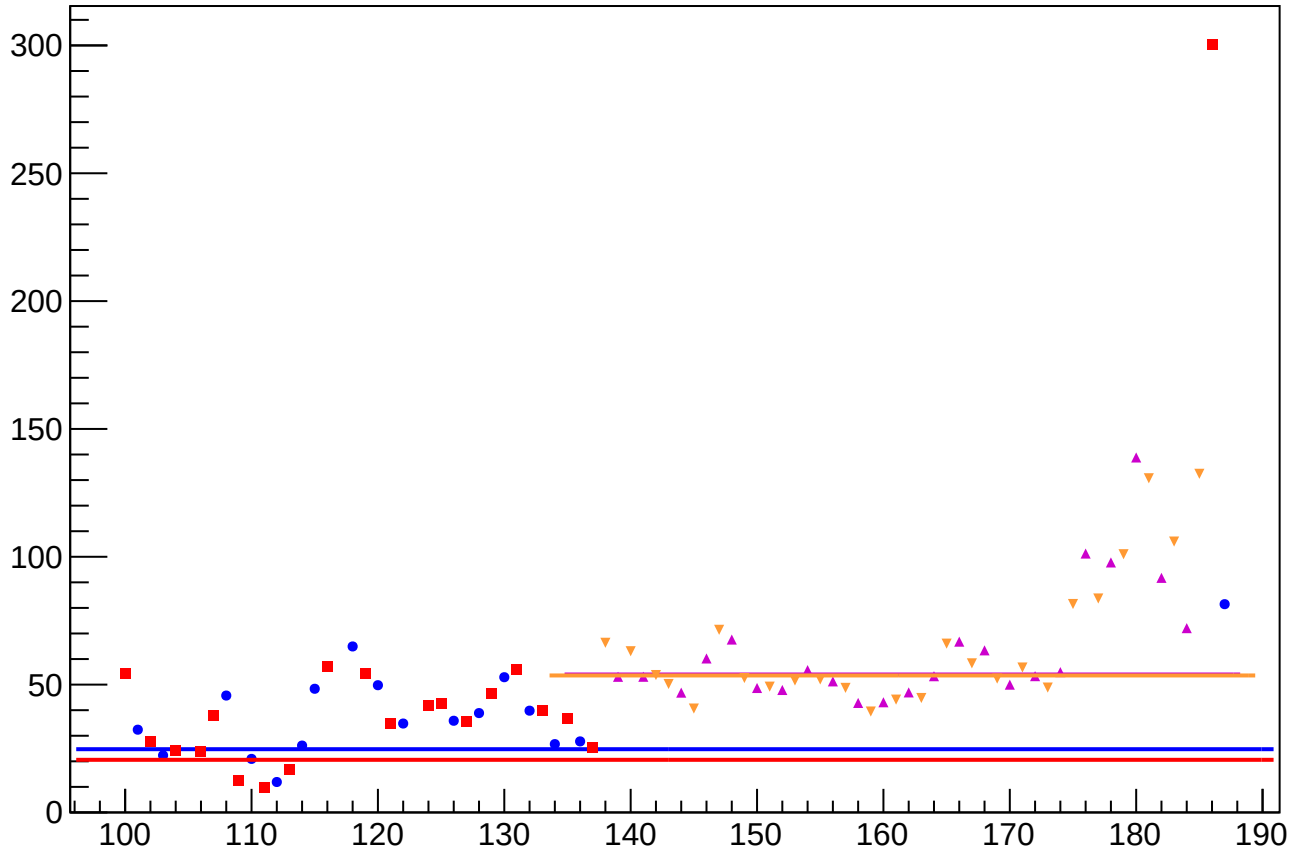
Right Out: -0.003+/-0.009 χ^2/NDF: 13.4/19

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.1/41

All: -0.001+/-0.006 χ^2/NDF: 78.5/84

- sign -0.004+/-0.008 χ^2/NDF: 32.2/42



Right In: 24.744+/-0.007 χ^2/NDF: 2665195.2/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

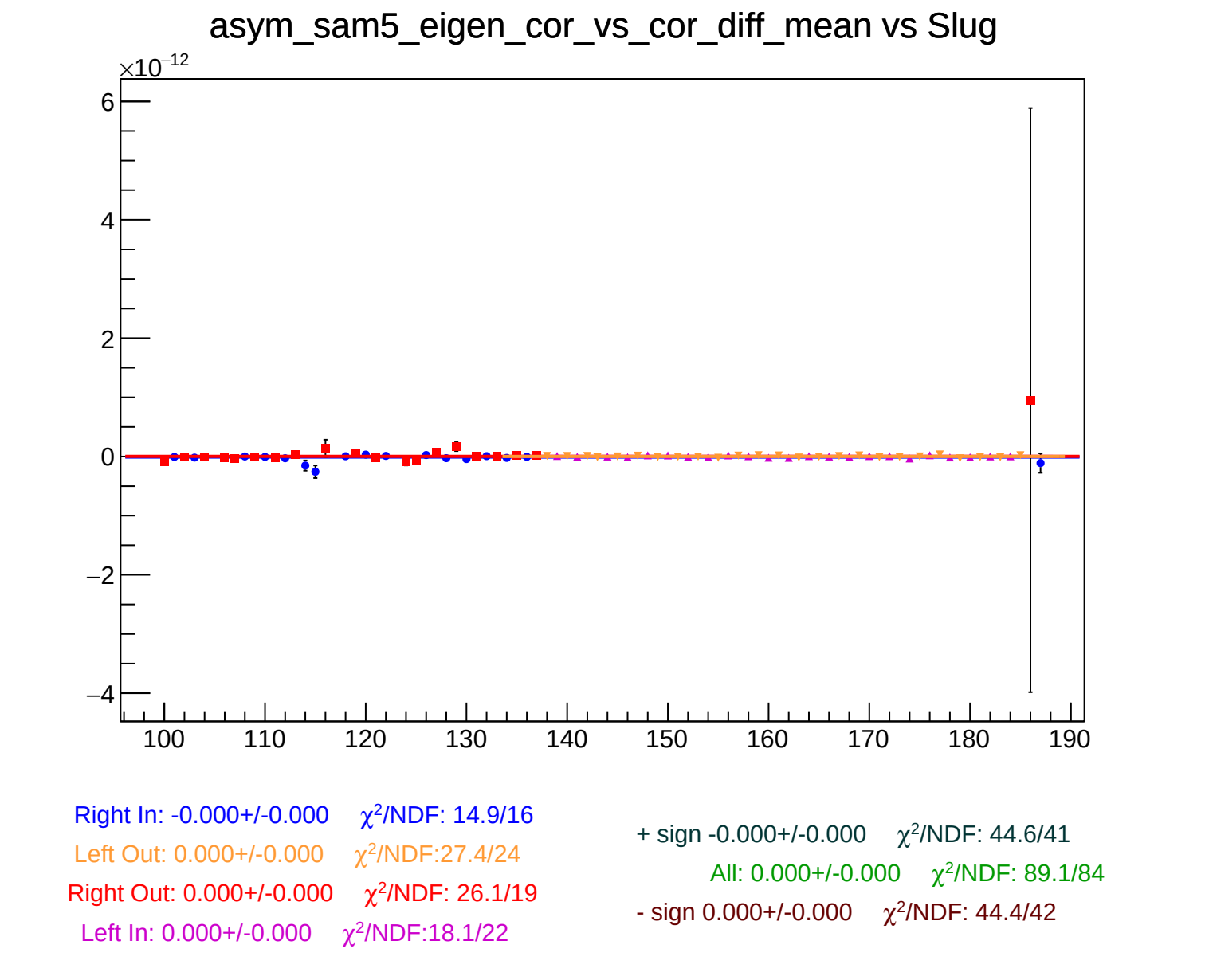
Right Out: 20.585+/-0.007 χ^2/NDF: 4230445.3/19

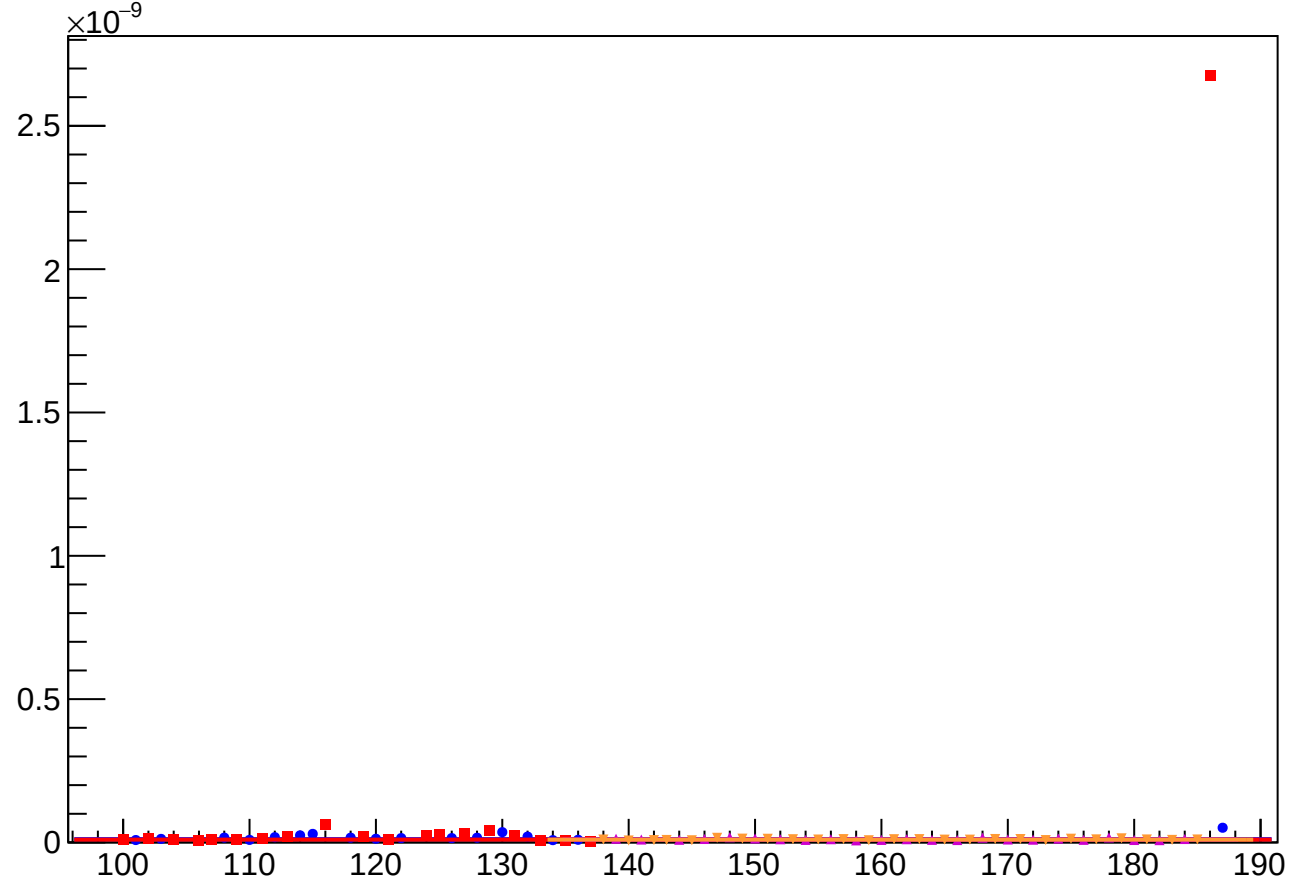
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 36.436+/-0.006 χ^2/NDF: 11343181.6/41

All: 33.806+/-0.004 χ^2/NDF: 26597443.3/84

- sign 31.544+/-0.005 χ^2/NDF: 14867022.9/42


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.9/16
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.1/19
Left In: 0.000+/-0.000 χ²/NDF:18.1/22
+ sign -0.000+/-0.000 χ²/NDF: 44.6/41
All: 0.000+/-0.000 χ²/NDF: 89.1/84
- sign 0.000+/-0.000 χ²/NDF: 44.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1297303.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3219482.7/19

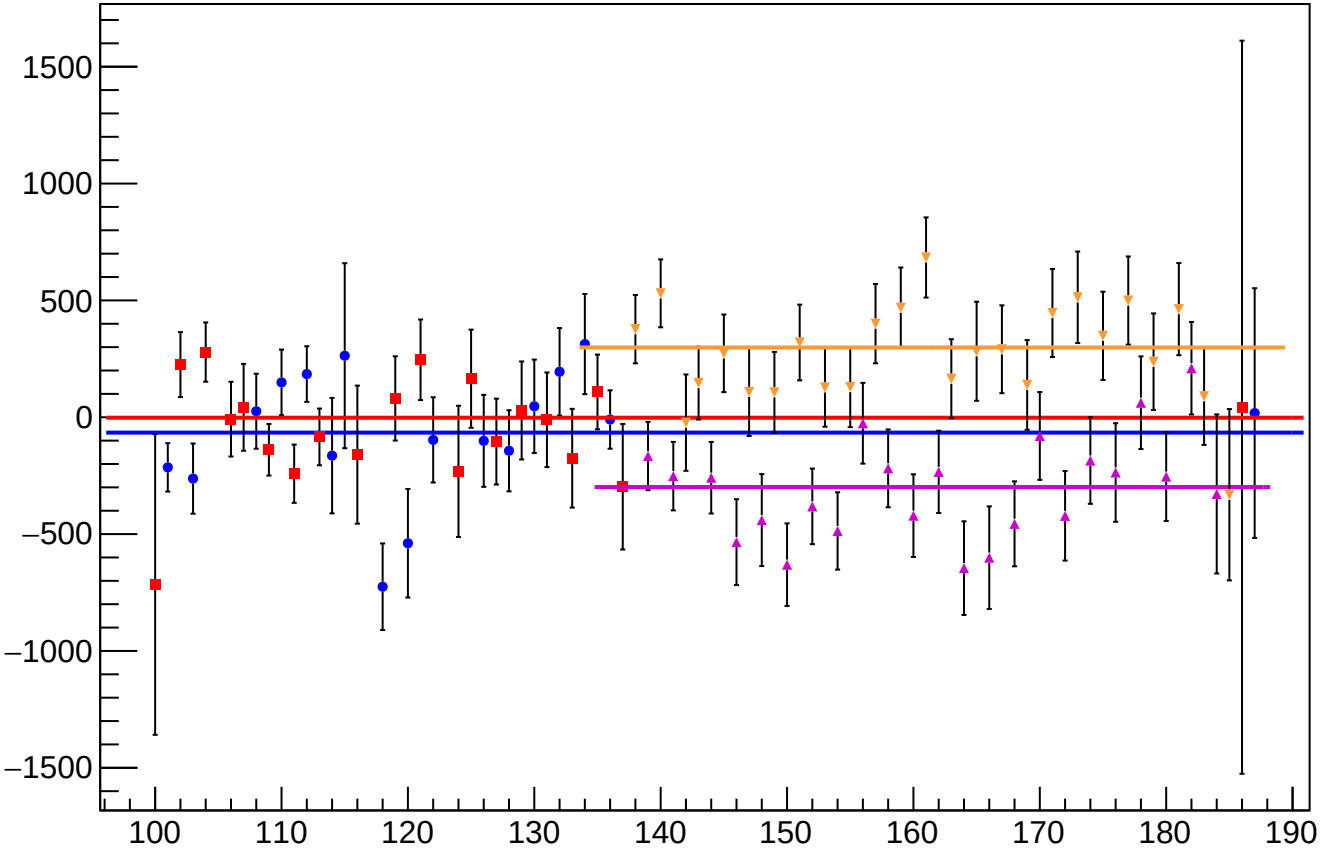
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 2637560.5/41

All: 0.000+/-0.000 χ^2/NDF: 7176853.4/84

- sign 0.000+/-0.000 χ^2/NDF: 4538801.8/42

reg_asym_sam6_mean vs Slug



Right In: -65.739+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -1.990+/-38.854 χ^2/NDF: 21.1/19

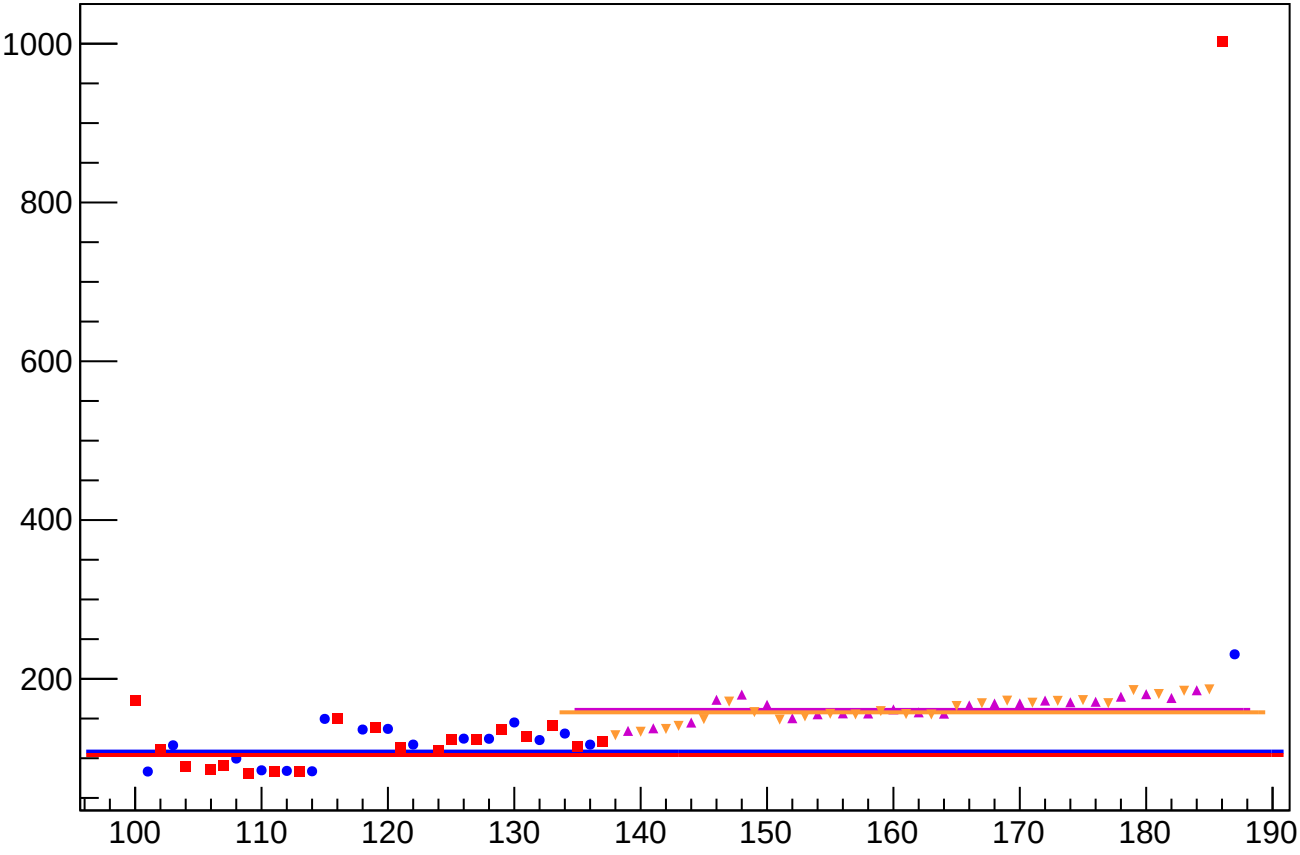
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 138.891+/-27.021 χ^2/NDF: 105.1/41

All: -7.654+/-19.123 χ^2/NDF: 244.6/84

- sign -154.700+/-27.067 χ^2/NDF: 80.6/42

reg_asym_sam6_rms vs Slug



Right In: 108.364+/-0.029 χ^2/NDF: 638654.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 104.101+/-0.027 χ^2/NDF: 1274155.8/19

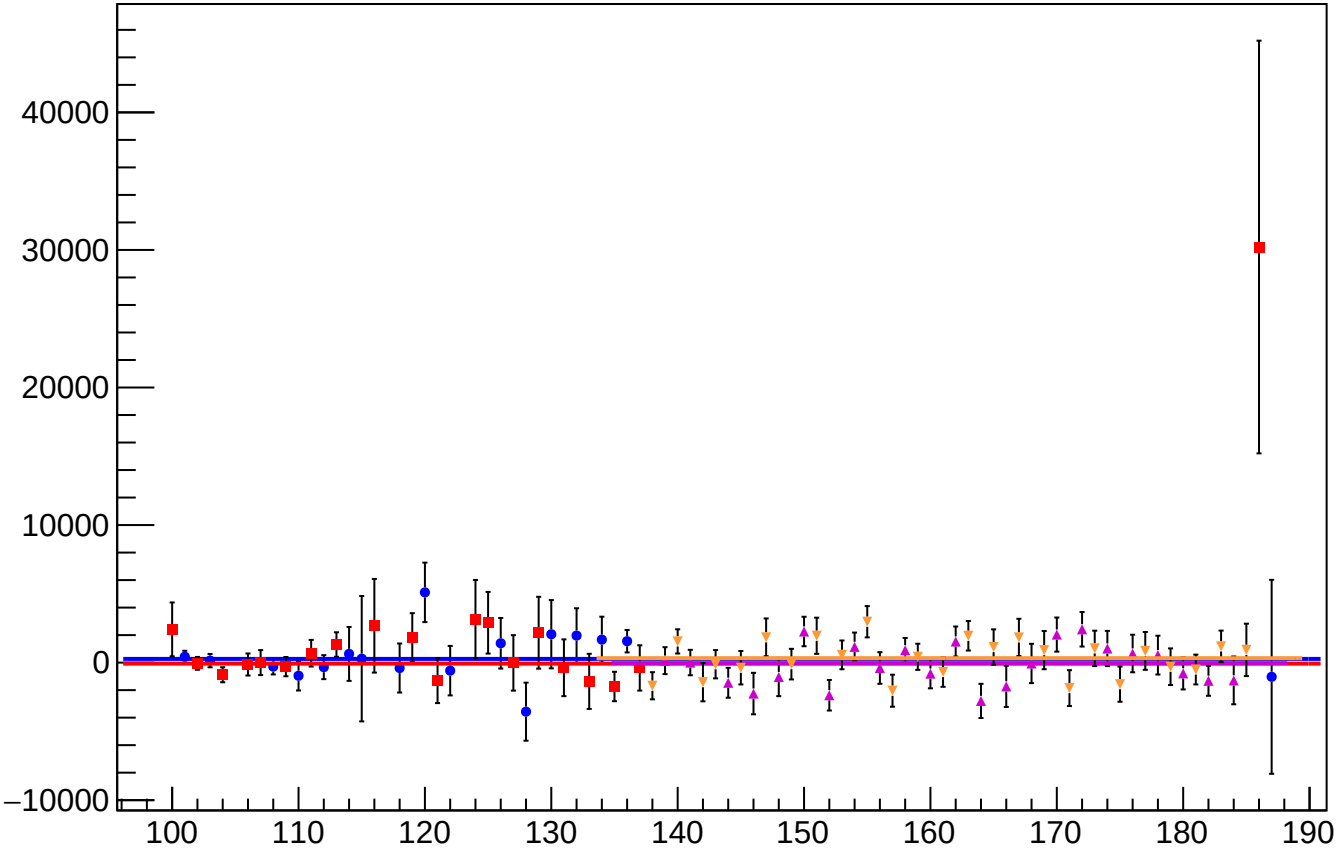
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.156+/-0.019 χ^2/NDF: 2666425.3/41

All: 134.742+/-0.014 χ^2/NDF: 6417749.0/84

- sign 133.324+/-0.019 χ^2/NDF: 3740354.4/42

asym_sam6_reg_correction_mean vs Slug



Right In: 270.111+/-230.539 χ^2/NDF: 16.5/16

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -72.842+/-232.127 χ^2/NDF: 20.1/19

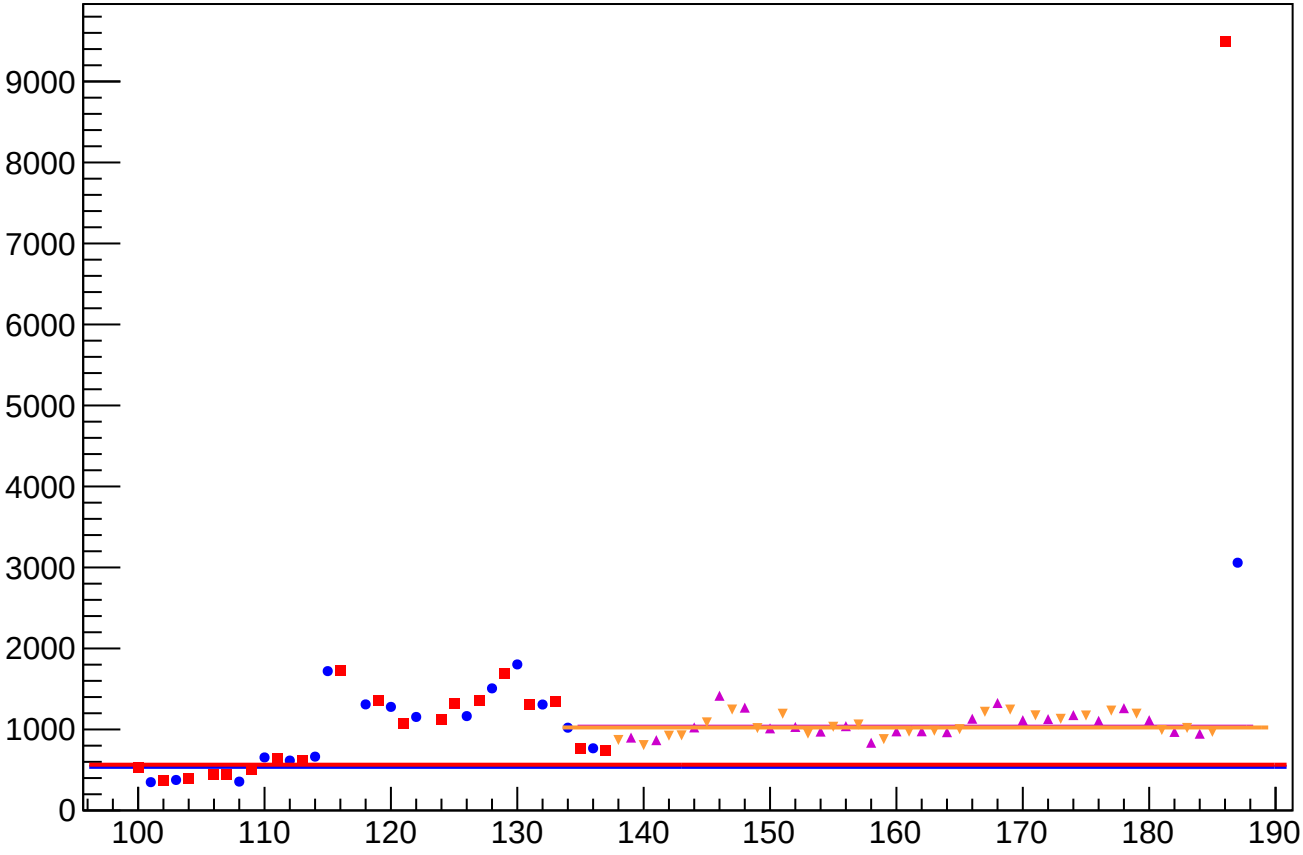
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 294.543+/-164.599 χ^2/NDF: 49.0/41

All: 122.670+/-117.652 χ^2/NDF: 106.2/84

- sign -56.869+/-168.230 χ^2/NDF: 54.9/42

asym_sam6_reg_correction_rms vs Slug



Right In: 538.381+/-0.163 χ^2/NDF: 3888245.7/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 564.982+/-0.164 χ^2/NDF: 3818778.3/19

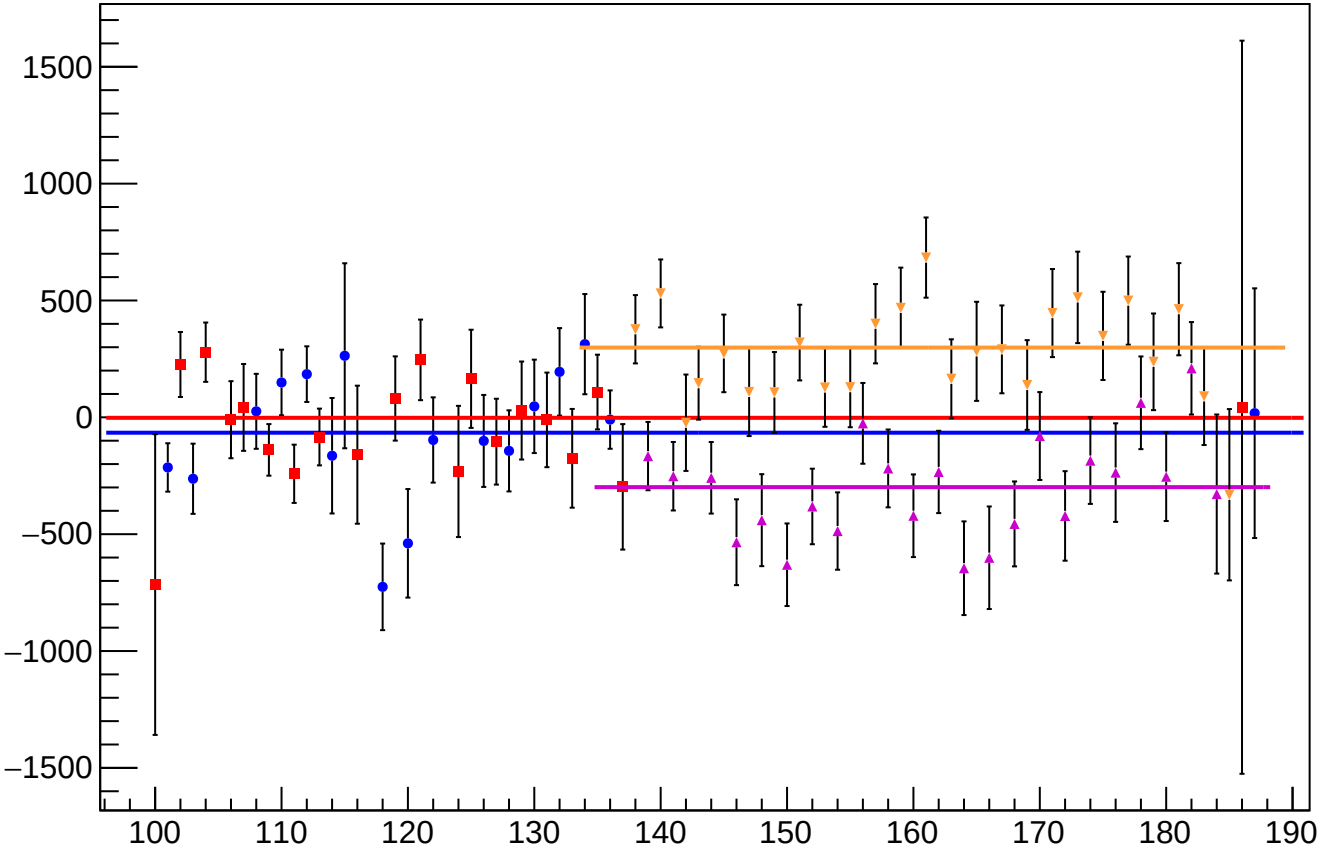
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 776.693+/-0.116 χ^2/NDF: 8845235.1/41

All: 782.152+/-0.083 χ^2/NDF: 17180501.5/84

- sign 787.855+/-0.119 χ^2/NDF: 8330767.6/42

cor_asym_sam6_mean vs Slug



Right In: -65.765+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.034+/-38.925 χ^2/NDF: 21.1/19

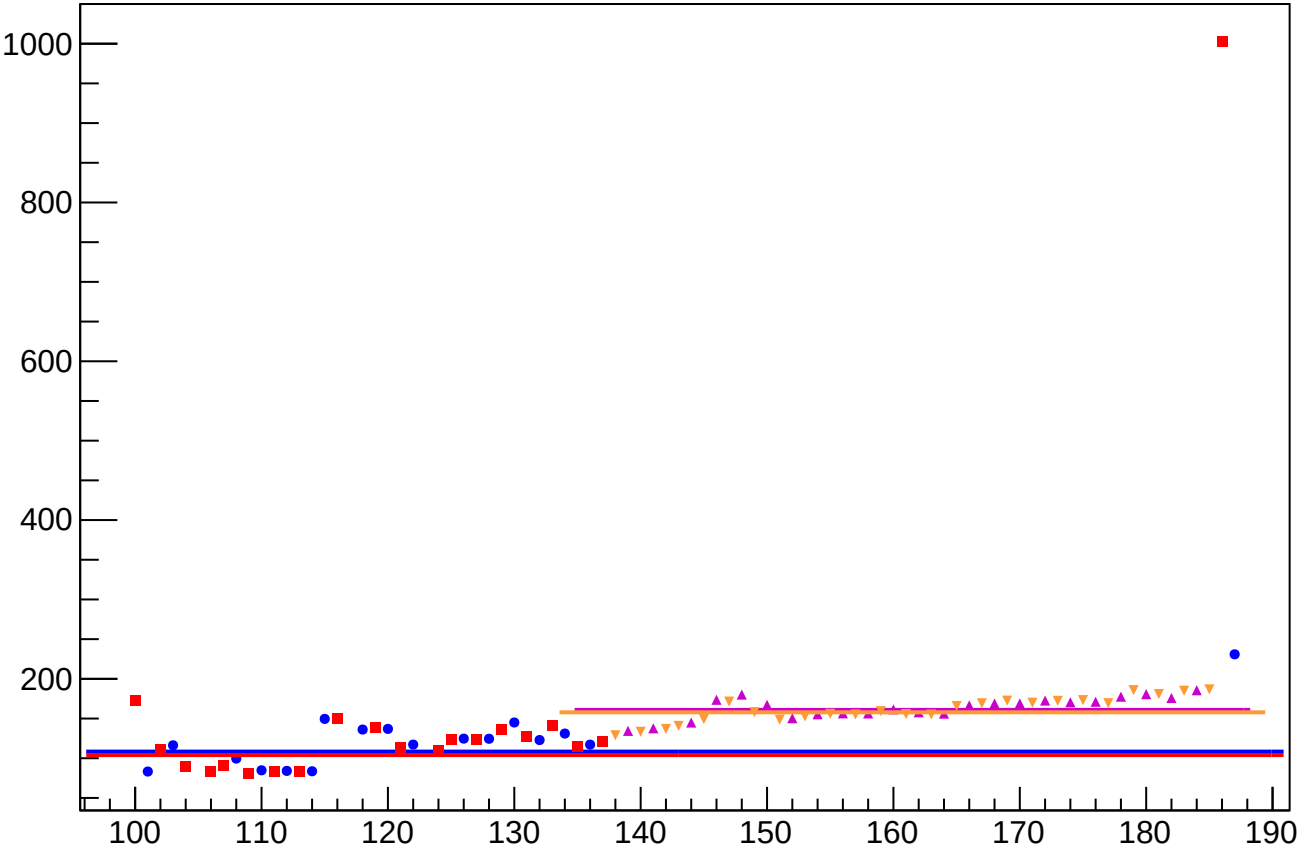
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.880+/-27.021 χ^2/NDF: 105.2/41

All: -7.677+/-19.131 χ^2/NDF: 244.7/84

- sign -154.993+/-27.090 χ^2/NDF: 80.5/42

cor_asym_sam6_rms vs Slug



Right In: 108.364+/-0.029 χ^2/NDF: 638655.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 103.991+/-0.028 χ^2/NDF: 1281723.3/19

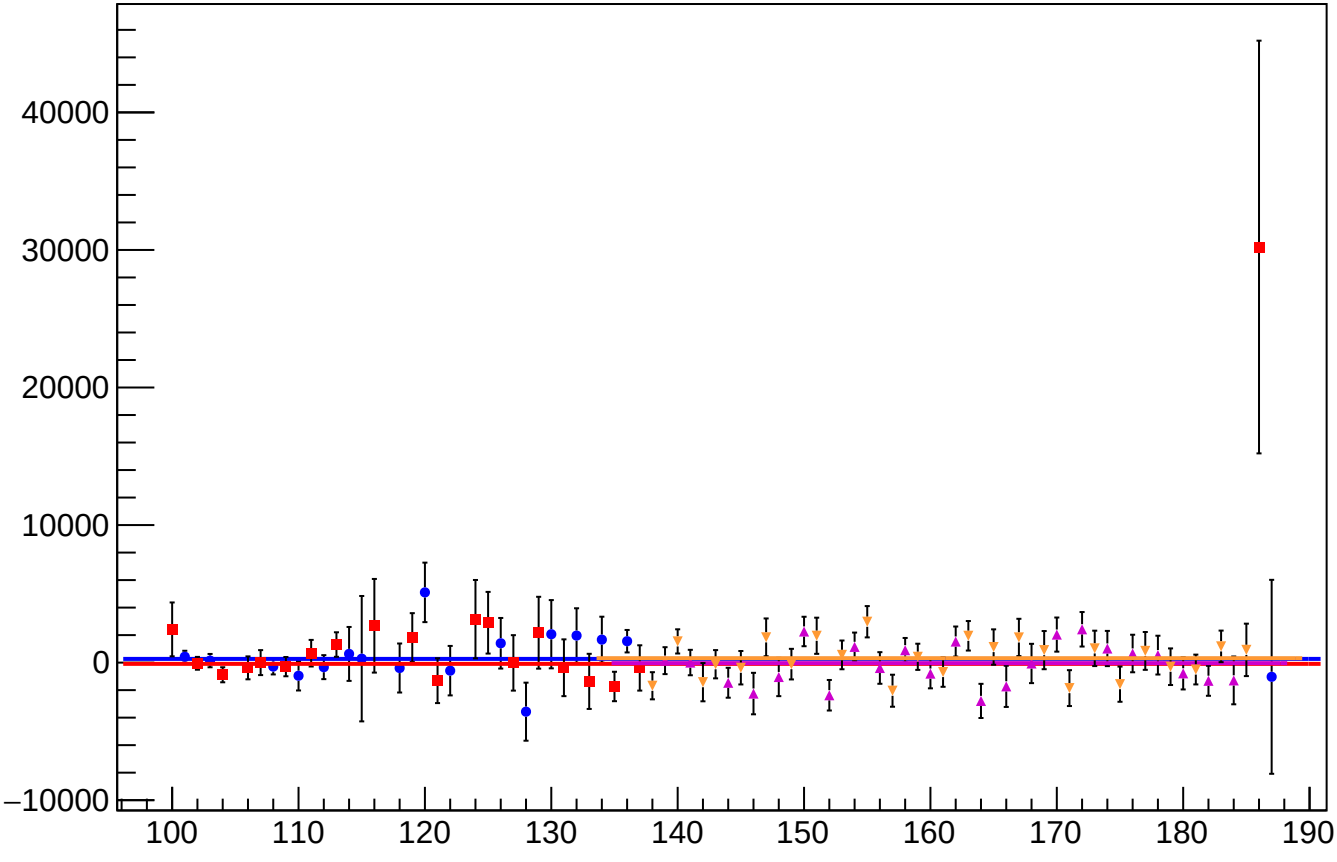
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.156+/-0.019 χ^2/NDF: 2666422.3/41

All: 134.742+/-0.014 χ^2/NDF: 6429752.7/84

- sign 133.322+/-0.019 χ^2/NDF: 3752353.7/42

asym_sam6_cor_correction_mean vs Slug



Right In: 270.251+/-230.532 χ^2/NDF: 16.5/16

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -90.551+/-232.753 χ^2/NDF: 20.2/19

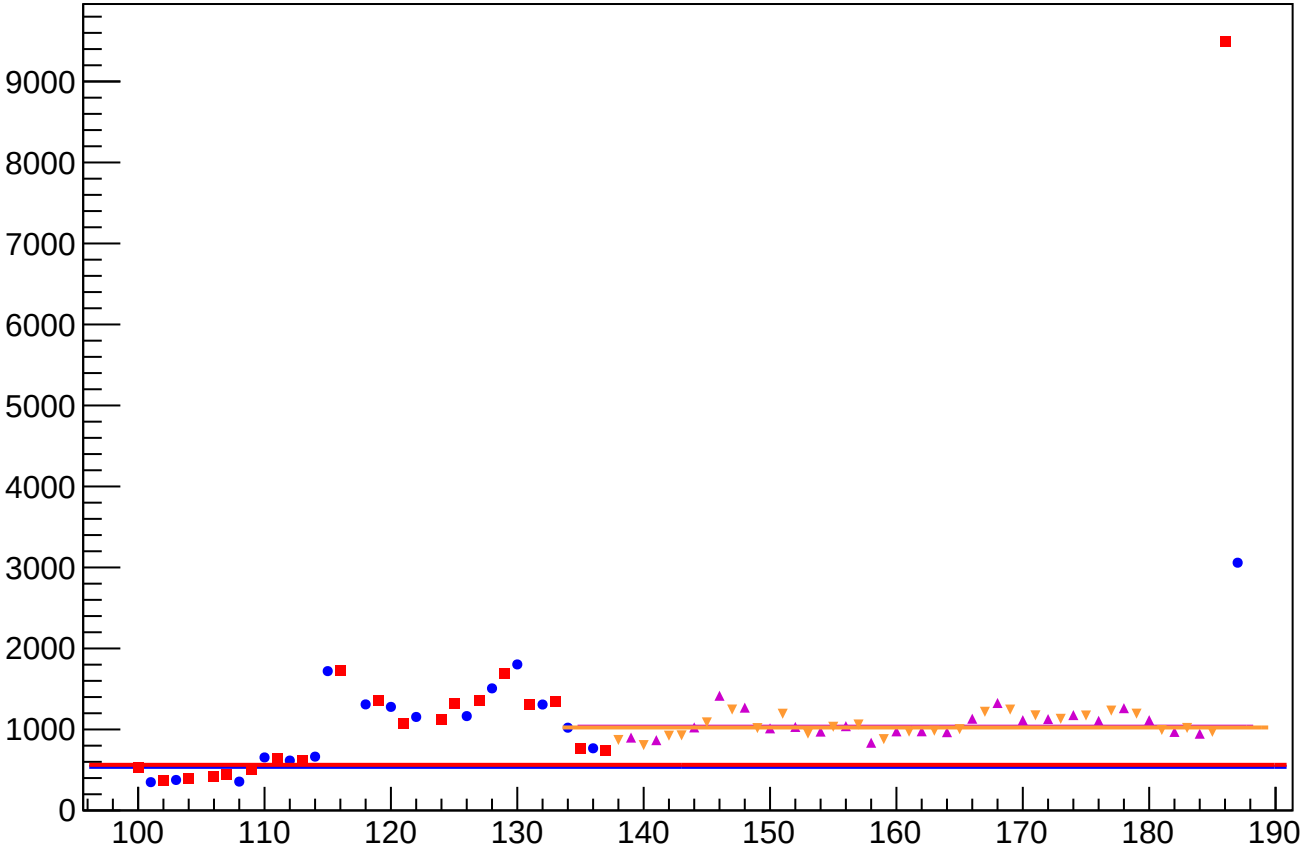
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 294.616+/-164.597 χ^2/NDF: 49.0/41

All: 118.450+/-117.732 χ^2/NDF: 106.4/84

- sign -66.101+/-168.468 χ^2/NDF: 55.0/42

asym_sam6_cor_correction_rms vs Slug



Right In: 538.359+/-0.163 χ^2/NDF: 3888450.6/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 563.418+/-0.165 χ^2/NDF: 3838756.5/19

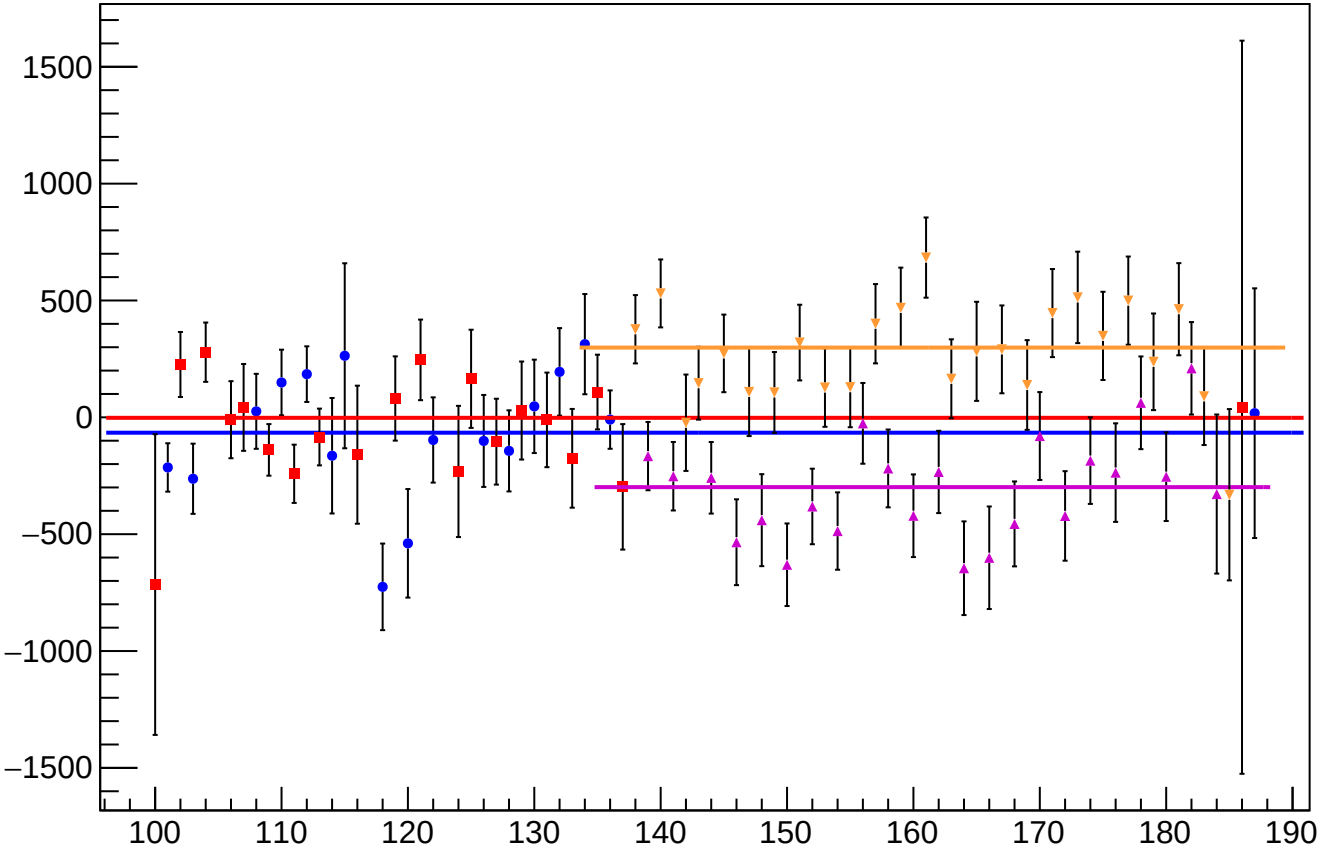
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 776.674+/-0.116 χ^2/NDF: 8845964.9/41

All: 782.043+/-0.083 χ^2/NDF: 17216970.0/84

- sign 787.667+/-0.119 χ^2/NDF: 8366648.0/42

eigen_cor_asym_sam6_mean vs Slug



Right In: -65.765+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -2.034+/-38.925 χ^2/NDF: 21.1/19

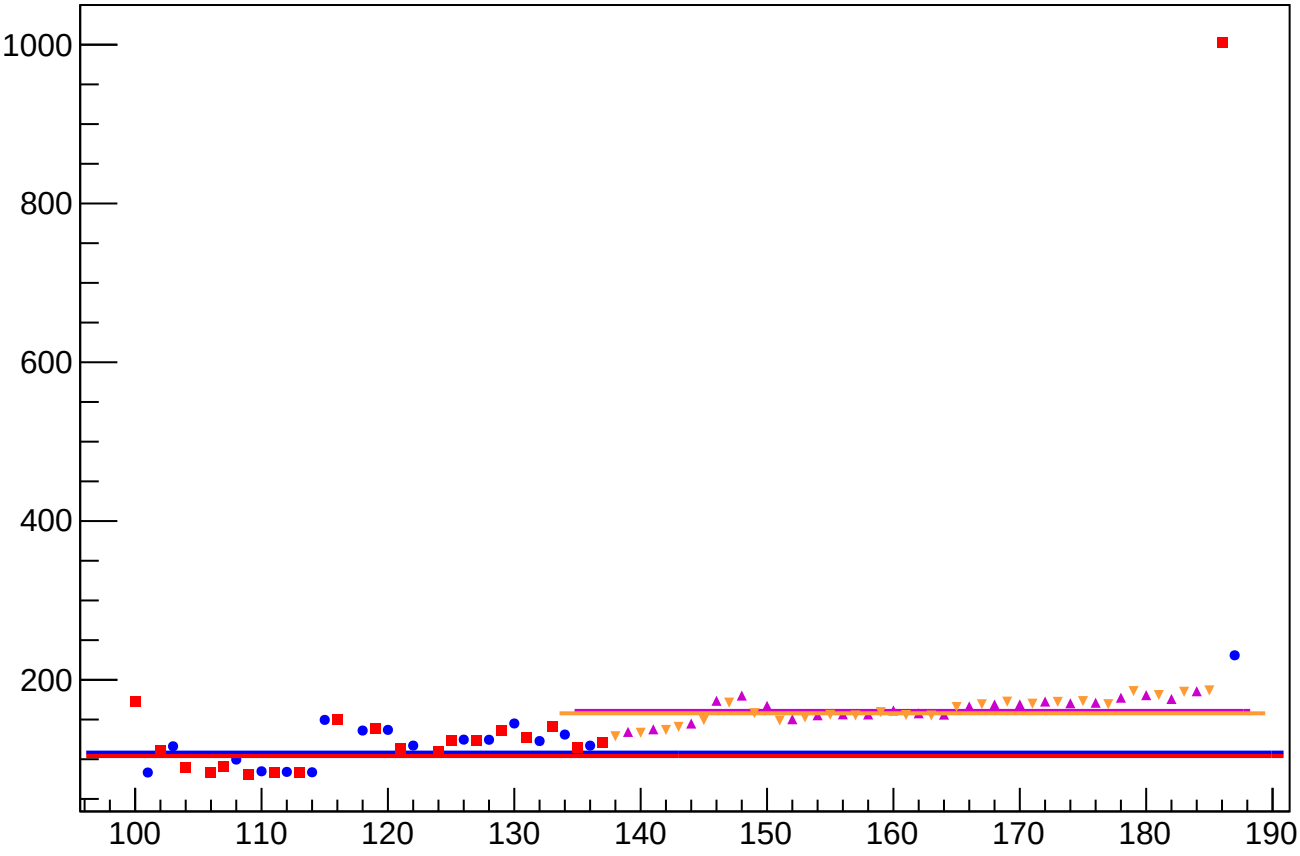
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 138.880+/-27.021 χ^2/NDF: 105.2/41

All: -7.677+/-19.131 χ^2/NDF: 244.7/84

- sign -154.993+/-27.090 χ^2/NDF: 80.5/42

eigen_cor_asym_sam6_rms vs Slug



Right In: 108.364+/-0.029 χ^2/NDF: 638655.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

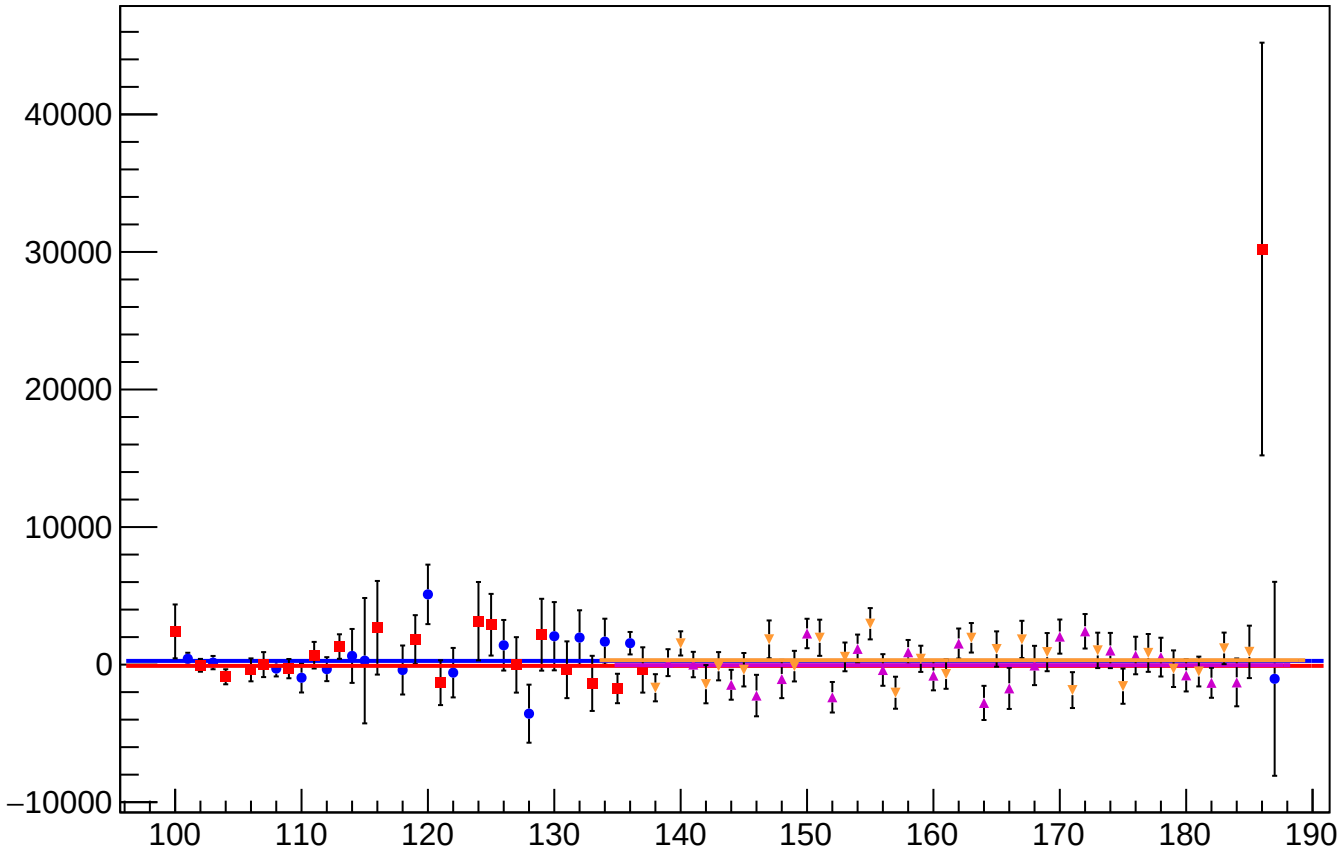
Right Out: 103.991+/-0.028 χ^2/NDF: 1281723.3/19

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 136.156+/-0.019 χ^2/NDF: 2666422.3/41

All: 134.742+/-0.014 χ^2/NDF: 6429752.7/84

- sign 133.322+/-0.019 χ^2/NDF: 3752353.7/42



Right In: 270.251+/-230.532 χ^2/NDF: 16.5/16

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -90.551+/-232.753 χ^2/NDF: 20.2/19

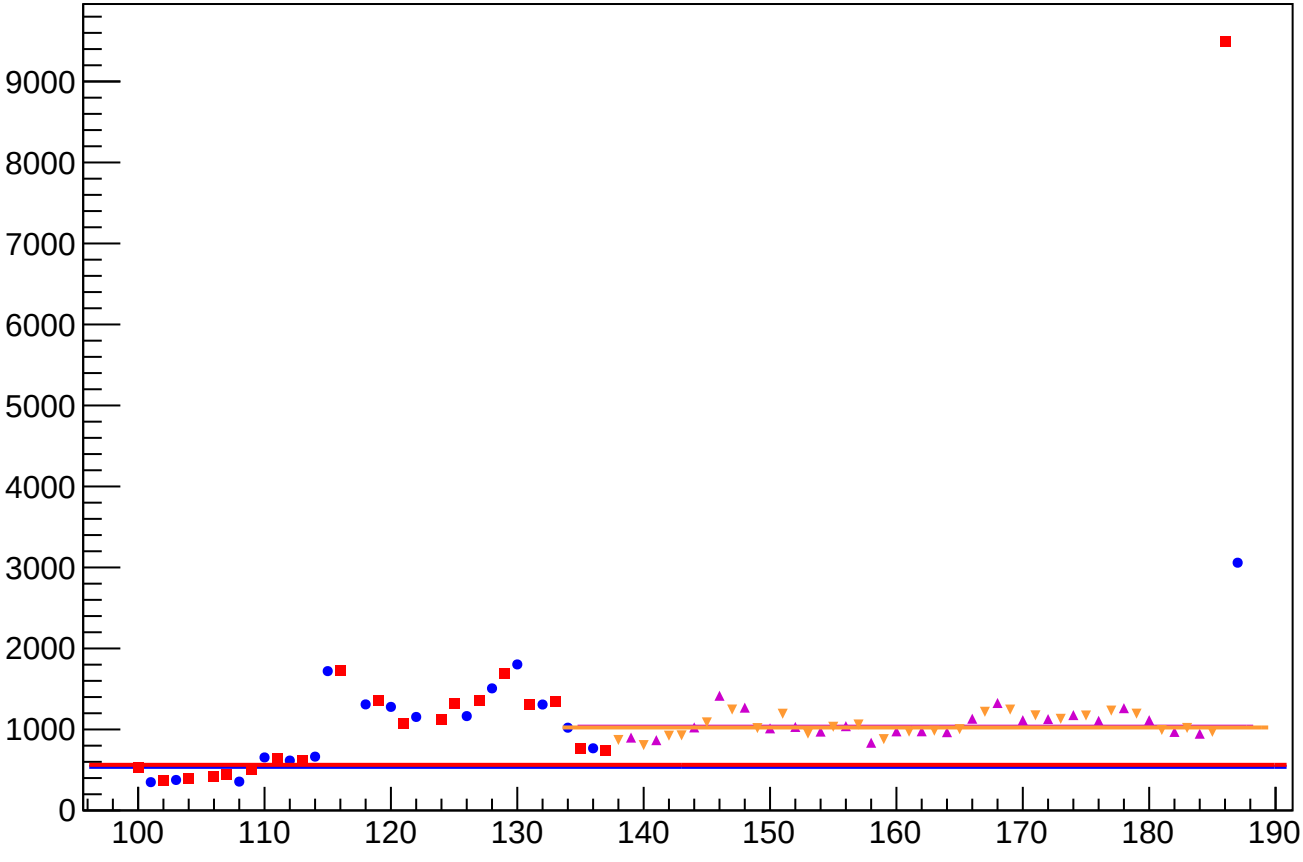
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 294.616+/-164.597 χ^2/NDF: 49.0/41

All: 118.450+/-117.732 χ^2/NDF: 106.4/84

- sign -66.101+/-168.468 χ^2/NDF: 55.0/42

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 538.359+/-0.163 χ^2/NDF: 3888450.6/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 563.418+/-0.165 χ^2/NDF: 3838756.5/19

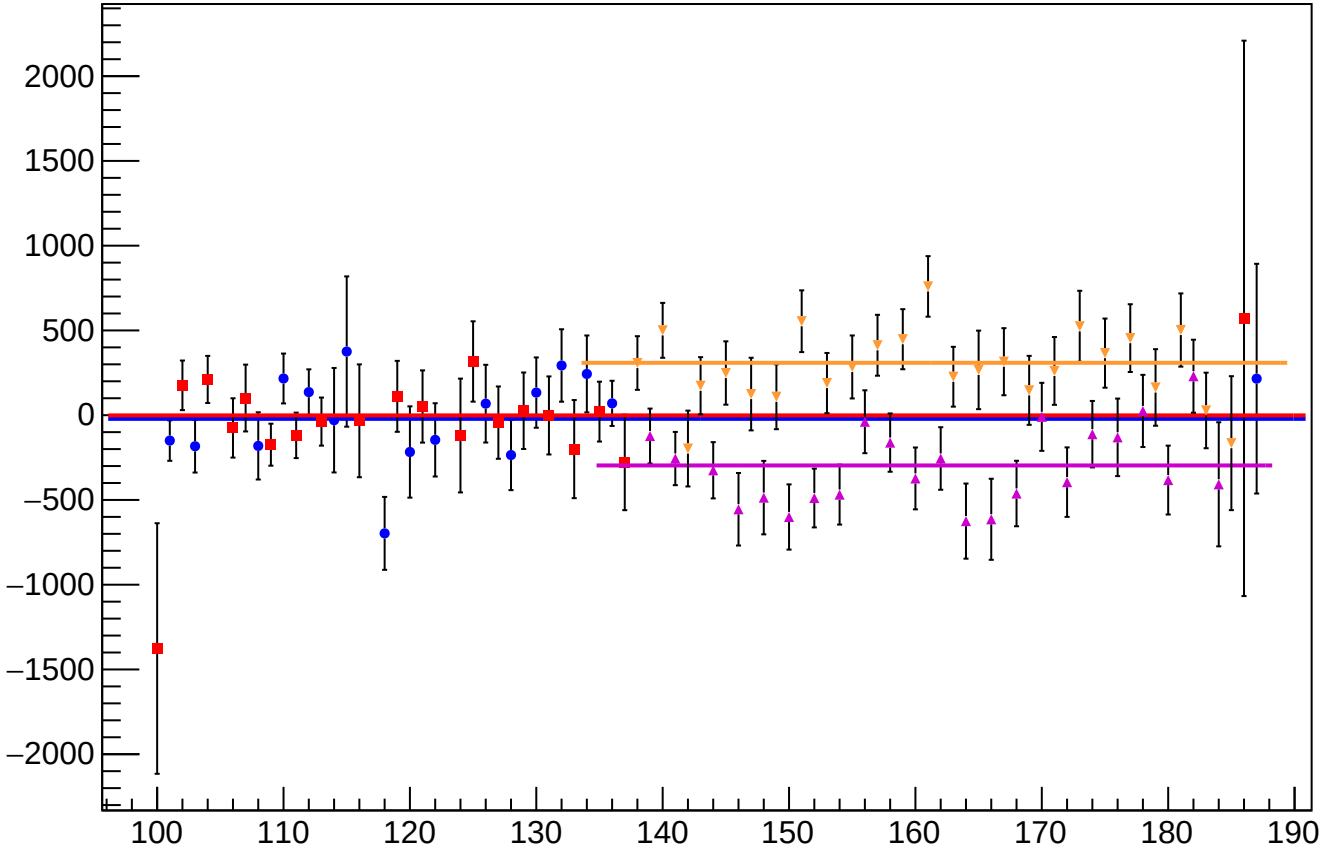
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 776.674+/-0.116 χ^2/NDF: 8845964.9/41

All: 782.043+/-0.083 χ^2/NDF: 17216970.0/84

- sign 787.667+/-0.119 χ^2/NDF: 8366648.0/42

dit_asym_sam6_mean vs Slug



Right In: -21.590+/-45.803 χ^2/NDF: 24.3/16

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -1.195+/-43.548 χ^2/NDF: 14.4/19

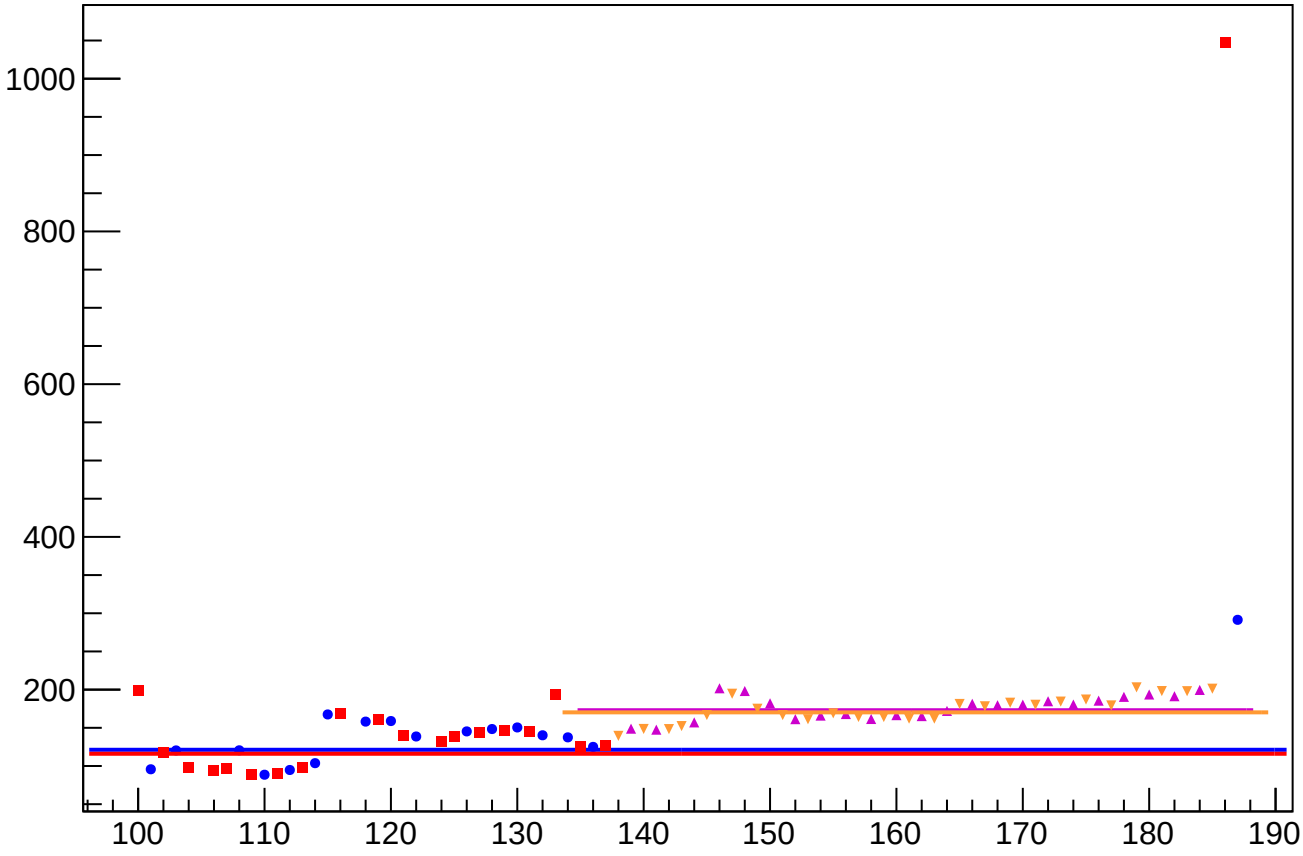
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 170.486+/-29.650 χ^2/NDF: 80.1/41

All: 5.935+/-20.983 χ^2/NDF: 208.7/84

- sign -159.153+/-29.699 χ^2/NDF: 66.8/42

dit_asym_sam6_rms vs Slug



Right In: 121.240+/-0.032 χ^2/NDF: 657063.5/16

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 116.016+/-0.031 χ^2/NDF: 1414072.8/19

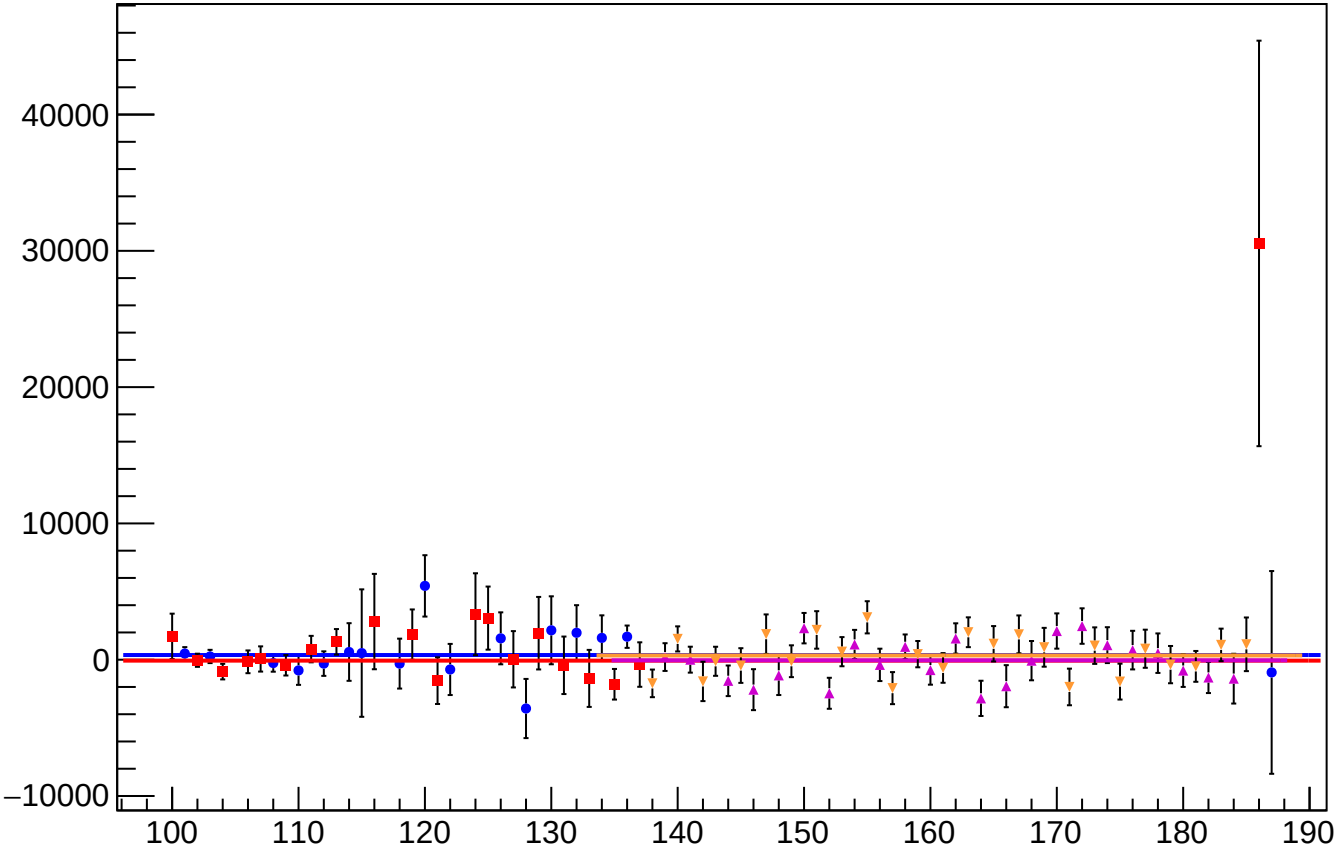
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 149.707+/-0.021 χ^2/NDF: 2353163.1/41

All: 148.111+/-0.015 χ^2/NDF: 5905921.1/84

- sign 146.509+/-0.021 χ^2/NDF: 3541149.1/42

asym_sam6_dit_correction_mean vs Slug



Right In: 343.091+/-241.404 χ^2/NDF: 16.3/16

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -67.436+/-240.448 χ^2/NDF: 19.5/19

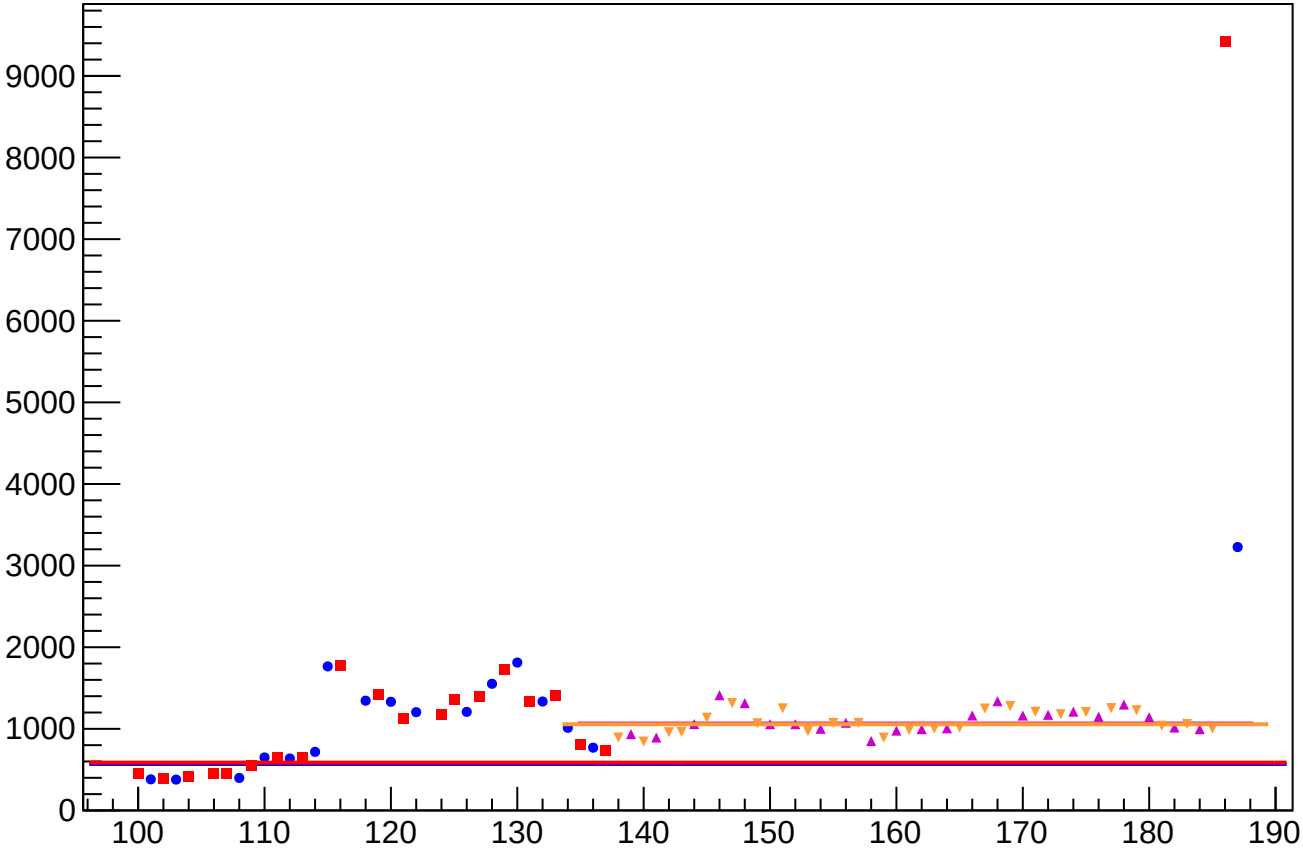
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 328.427+/-171.050 χ^2/NDF: 49.2/41

All: 138.311+/-121.882 χ^2/NDF: 105.6/84

- sign -57.777+/-173.716 χ^2/NDF: 53.9/42

asym_sam6_dit_correction_rms vs Slug



Right In: 569.406+/-0.171 χ^2/NDF: 3688050.1/16

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 586.102+/-0.170 χ^2/NDF: 3812553.9/19

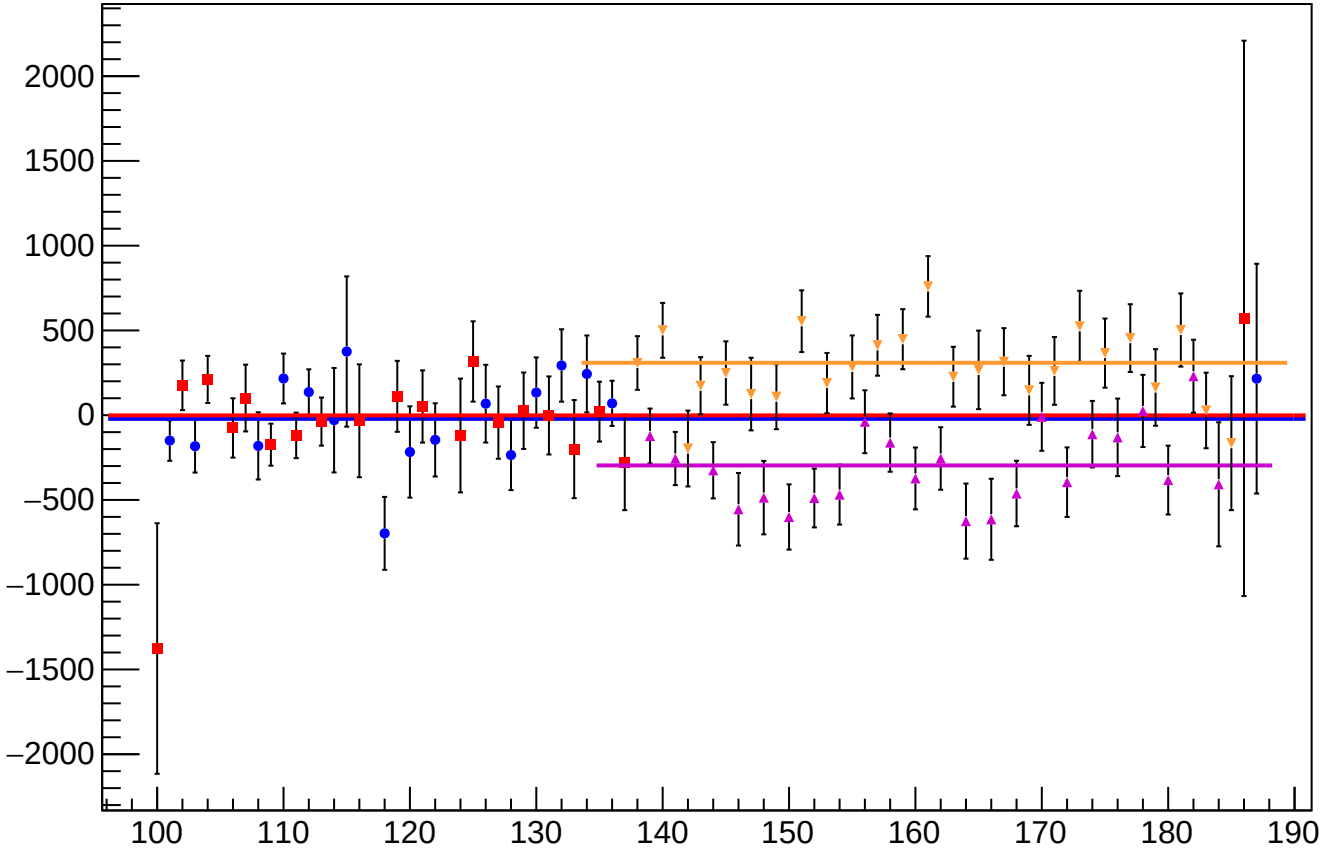
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 811.863+/-0.121 χ^2/NDF: 8350430.7/41

All: 813.351+/-0.086 χ^2/NDF: 16562061.7/84

- sign 814.886+/-0.123 χ^2/NDF: 8211323.5/42

eigen_dit_asym_sam6_mean vs Slug



Right In: -21.591+/-45.803 χ^2/NDF: 24.3/16

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -1.196+/-43.548 χ^2/NDF: 14.4/19

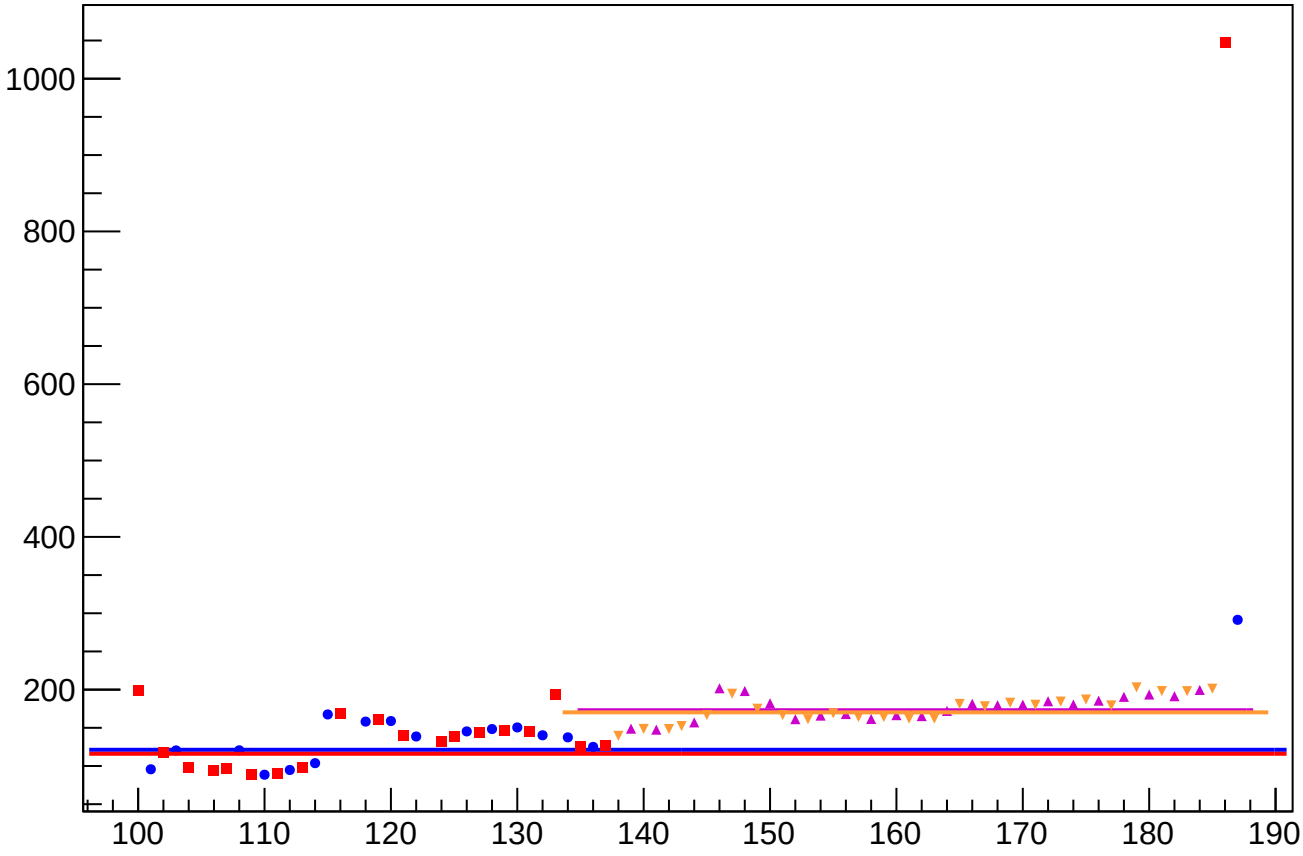
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 170.486+/-29.650 χ^2/NDF: 80.1/41

All: 5.935+/-20.983 χ^2/NDF: 208.7/84

- sign -159.154+/-29.699 χ^2/NDF: 66.8/42

eigen_dit_asym_sam6_rms vs Slug



Right In: 121.239+/-0.032 χ^2/NDF: 657066.3/16

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 116.015+/-0.031 χ^2/NDF: 1414072.1/19

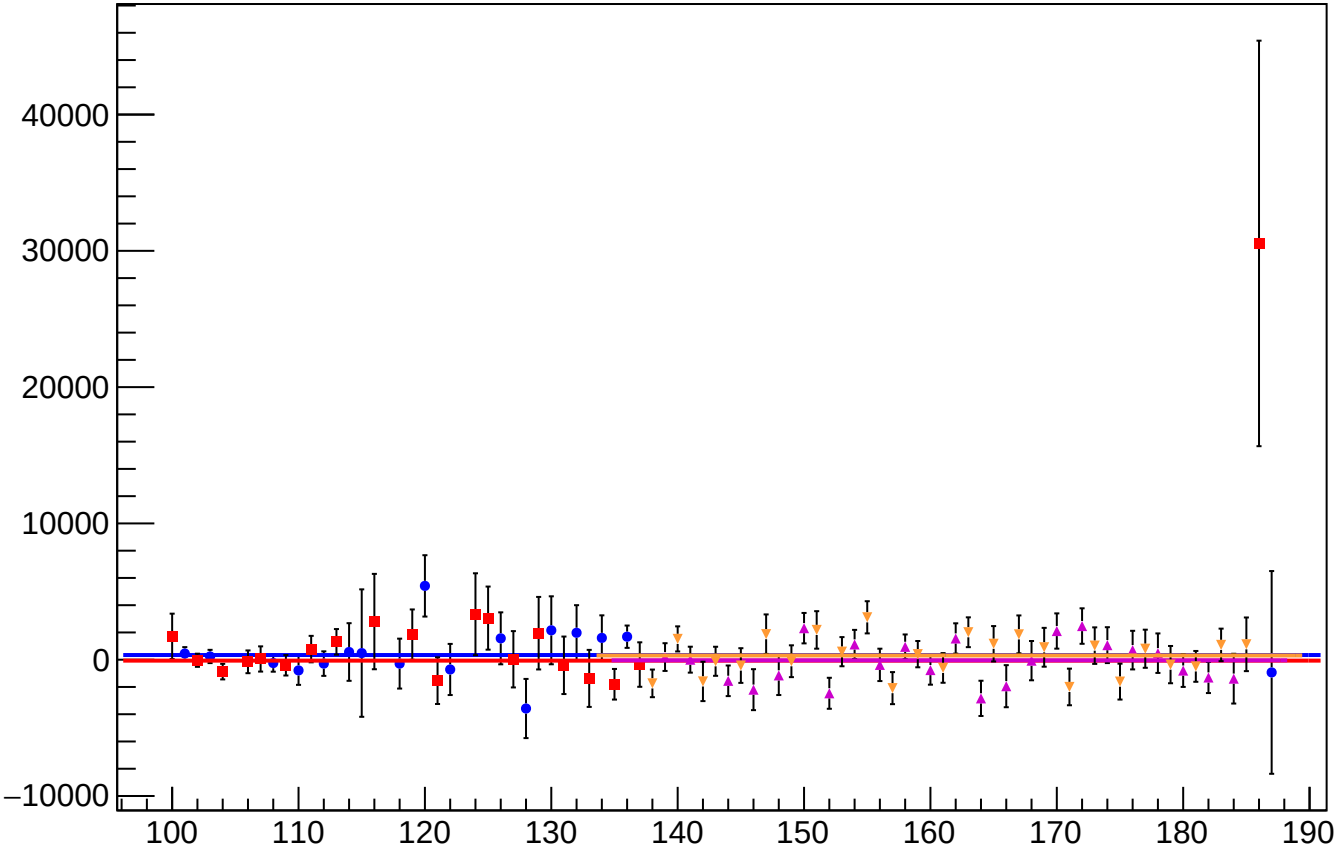
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 149.706+/-0.021 χ^2/NDF: 2353174.6/41

All: 148.110+/-0.015 χ^2/NDF: 5905938.5/84

- sign 146.509+/-0.021 χ^2/NDF: 3541155.3/42

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 343.090+/-241.404 χ^2/NDF: 16.3/16

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -67.437+/-240.448 χ^2/NDF: 19.5/19

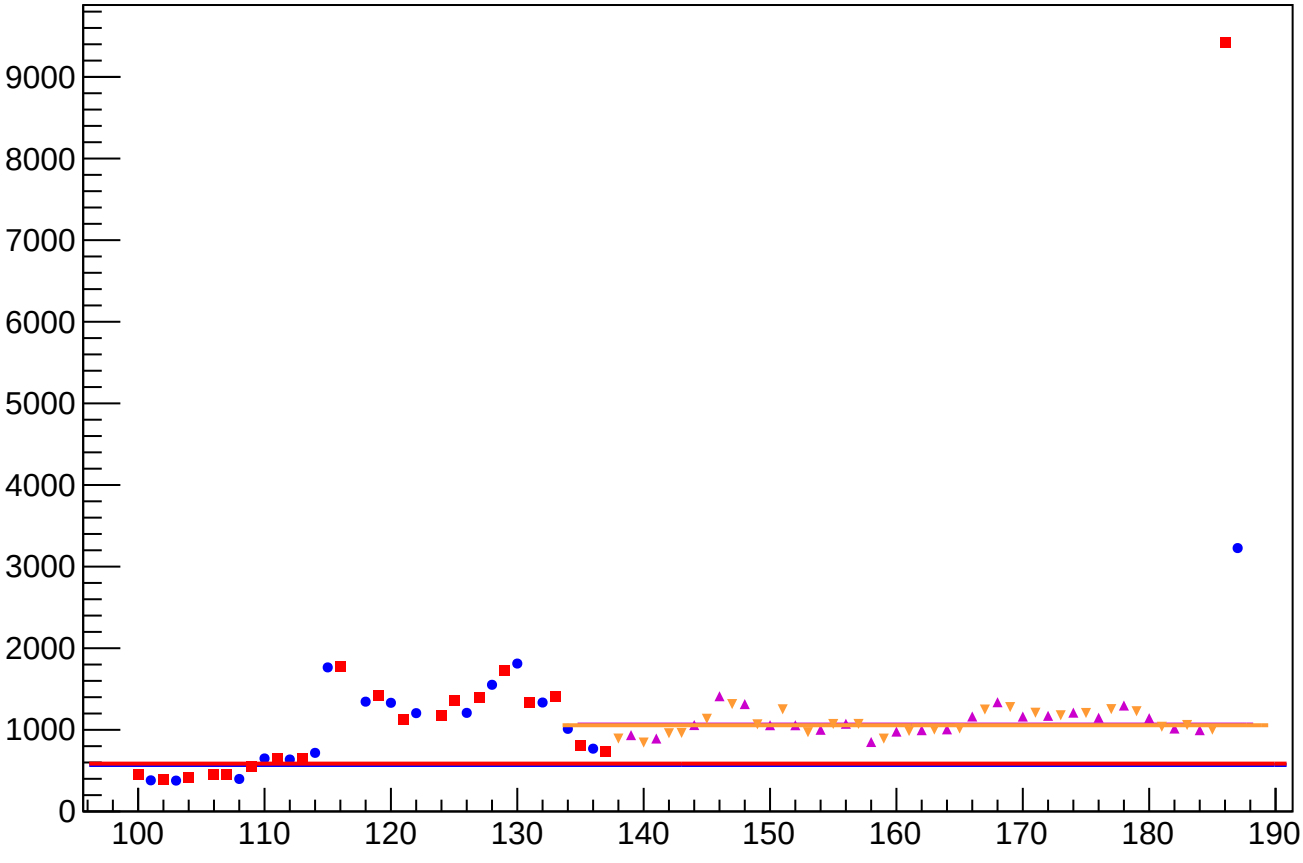
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 328.427+/-171.050 χ^2/NDF: 49.2/41

All: 138.311+/-121.882 χ^2/NDF: 105.6/84

- sign -57.778+/-173.716 χ^2/NDF: 53.9/42

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 569.405+/-0.171 χ^2/NDF: 3688054.7/16

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 586.101+/-0.170 χ^2/NDF: 3812554.0/19

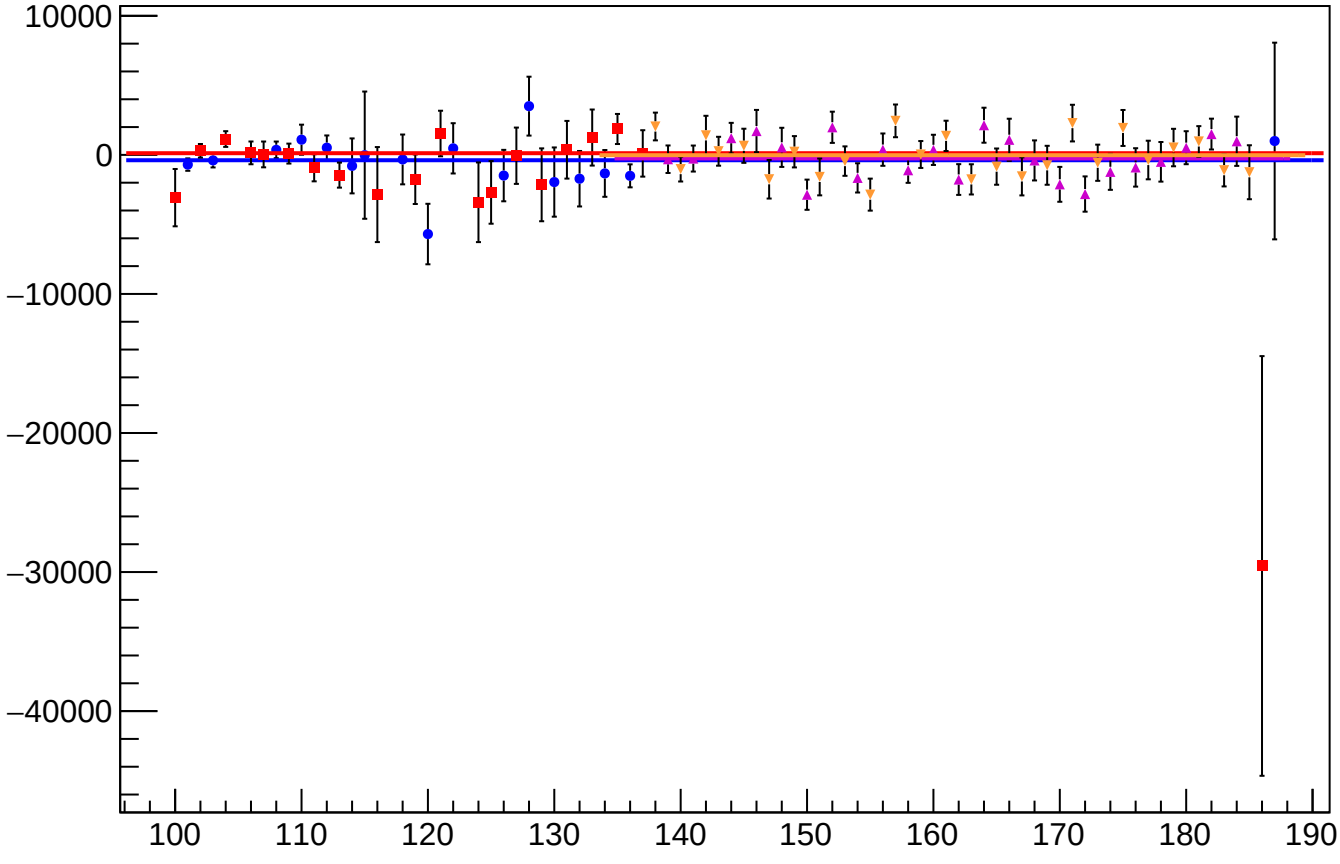
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 811.862+/-0.121 χ^2/NDF: 8350459.8/41

All: 813.350+/-0.086 χ^2/NDF: 16562104.9/84

- sign 814.885+/-0.123 χ^2/NDF: 8211337.6/42

asym_sam6_mean vs Slug



Right In: -384.963+/-237.391 χ^2/NDF: 18.0/16

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 121.185+/-238.211 χ^2/NDF: 23.3/19

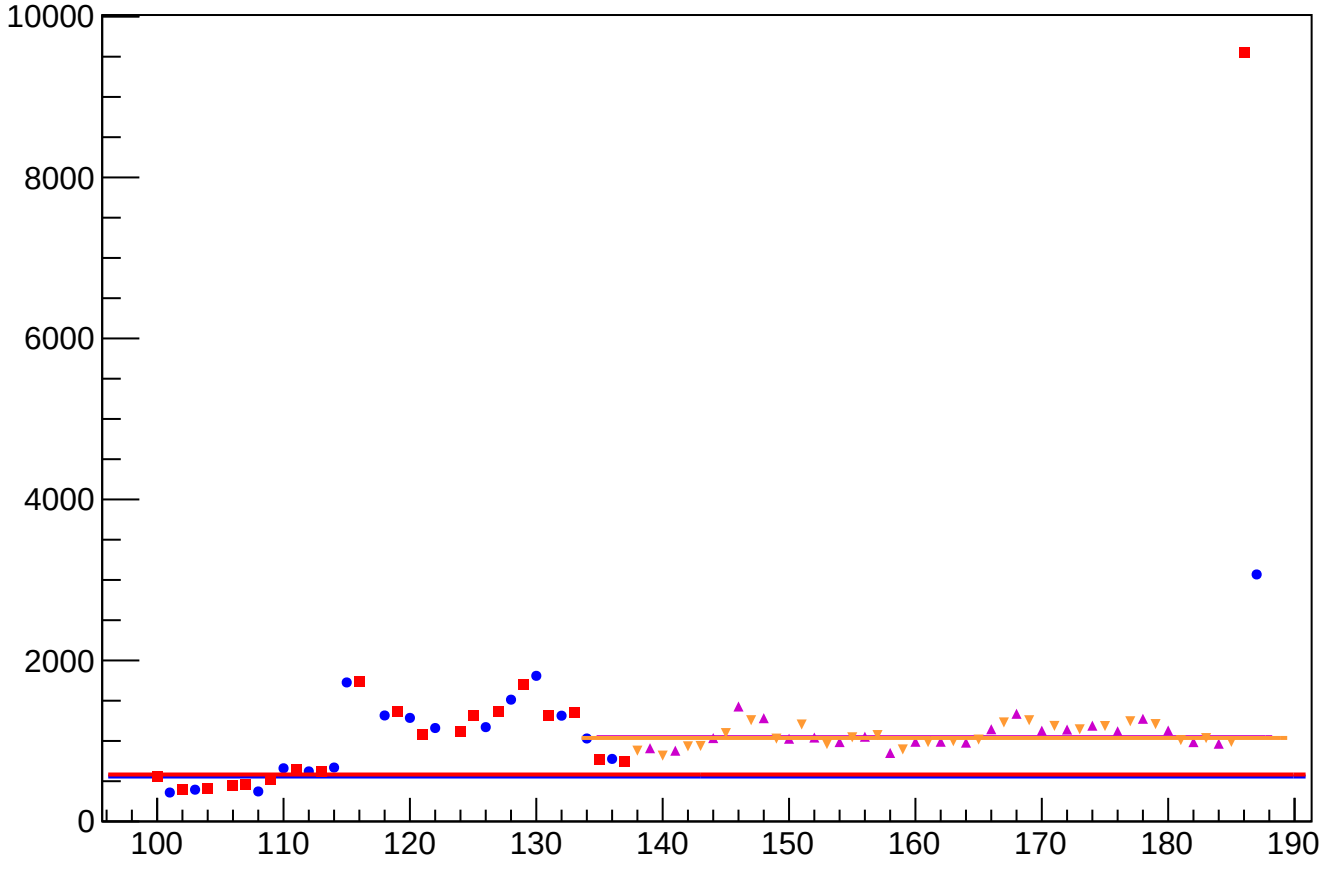
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -203.856+/-168.066 χ^2/NDF: 53.6/41

All: -133.461+/-120.047 χ^2/NDF: 112.0/84

- sign -60.134+/-171.531 χ^2/NDF: 58.0/42

asym_sam6_rms vs Slug



Right In: 558.123+/-0.168 χ^2/NDF: 3734776.6/16

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

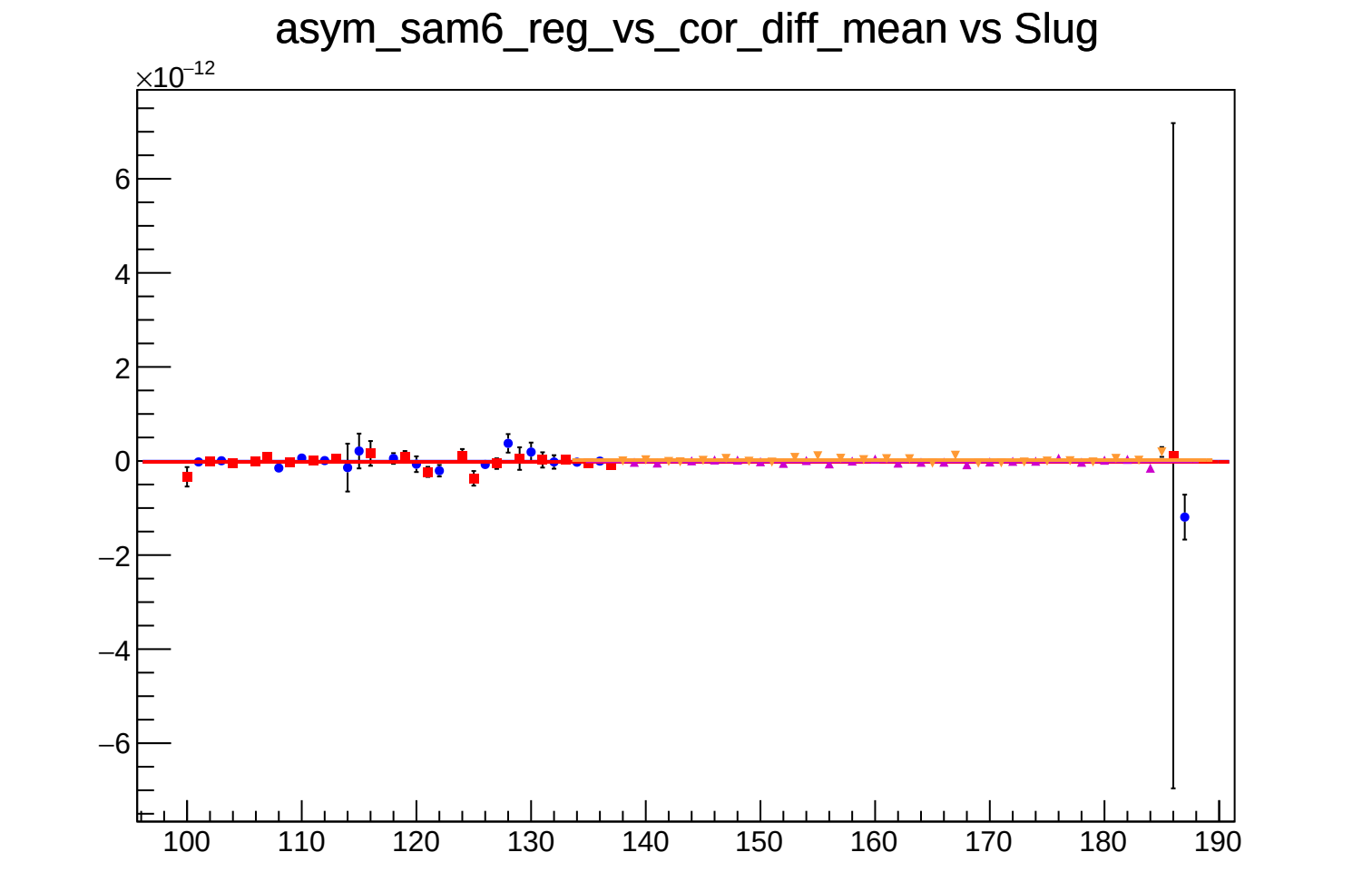
Right Out: 583.230+/-0.168 χ^2/NDF: 3689388.1/19

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 797.138+/-0.119 χ^2/NDF: 8385135.9/41

All: 801.885+/-0.085 χ^2/NDF: 16351044.5/84

- sign 806.830+/-0.121 χ^2/NDF: 7962650.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 22.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

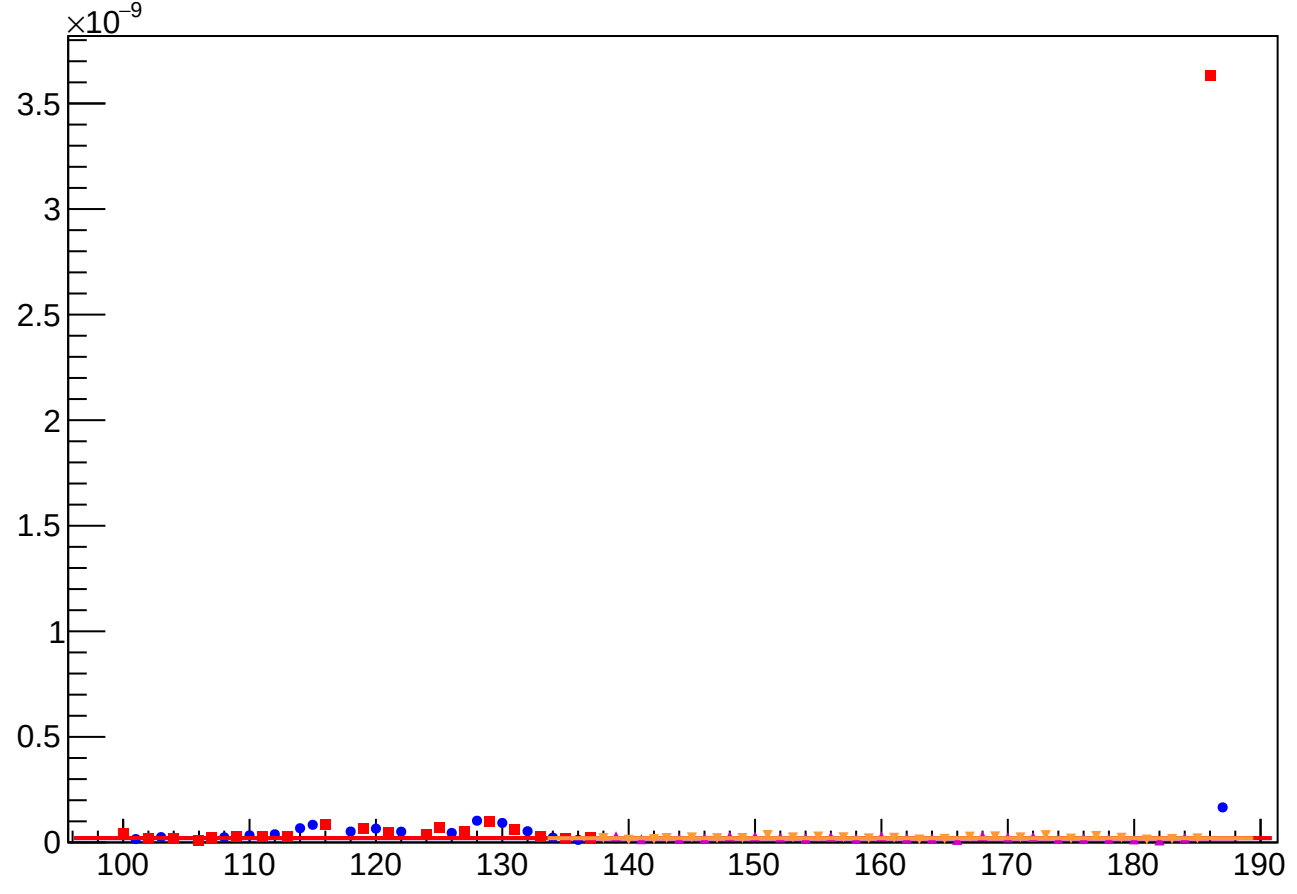
Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/19

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.0/41

All: 0.000+/-0.000 χ^2/NDF: 100.7/84

- sign -0.000+/-0.000 χ^2/NDF: 39.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 2191234.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

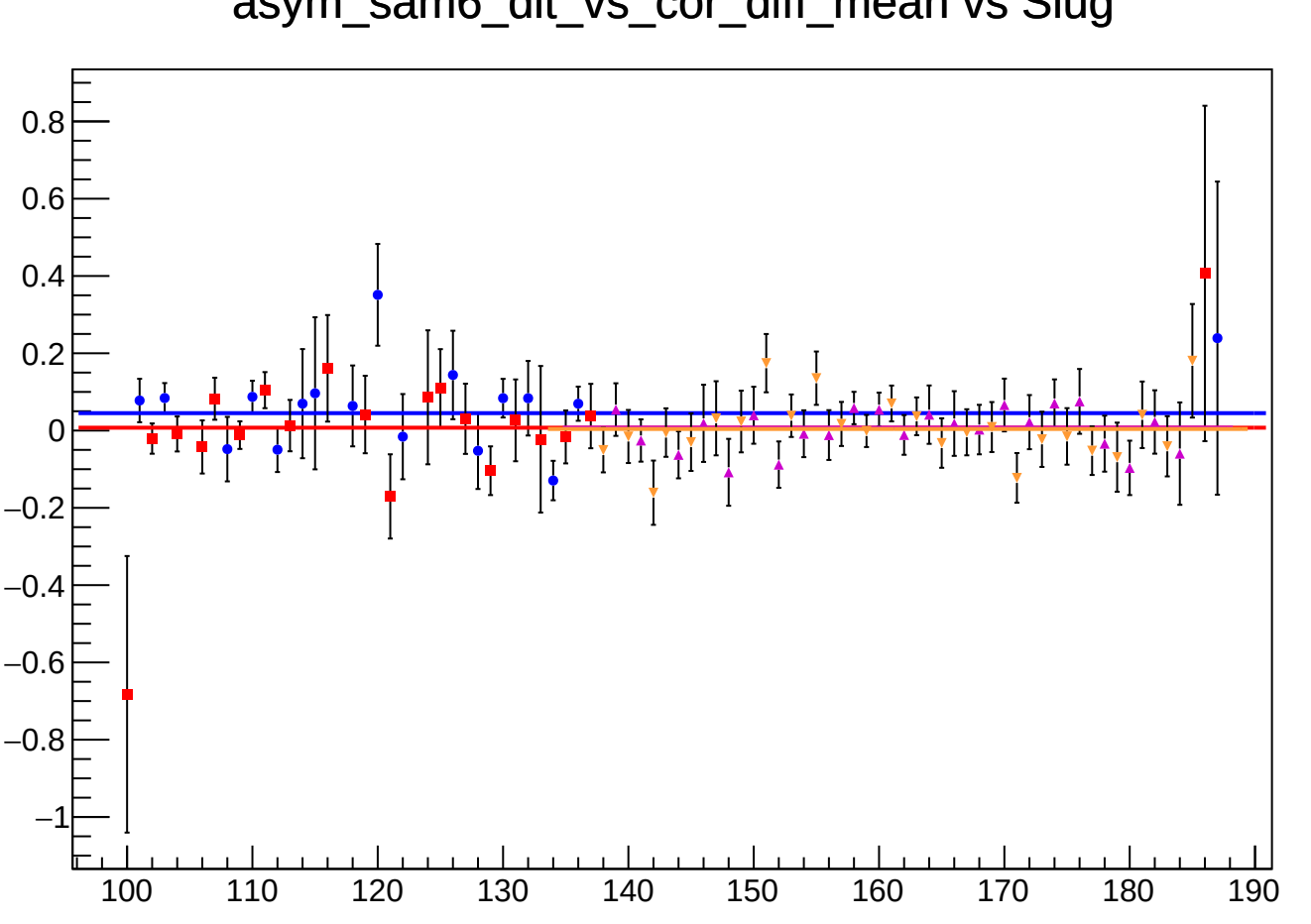
Right Out: 0.000+/-0.000 χ^2/NDF: 2377699.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 3185078.6/41

All: 0.000+/-0.000 χ^2/NDF: 6641020.6/84

- sign 0.000+/-0.000 χ^2/NDF: 3446844.3/42



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 21.0/19

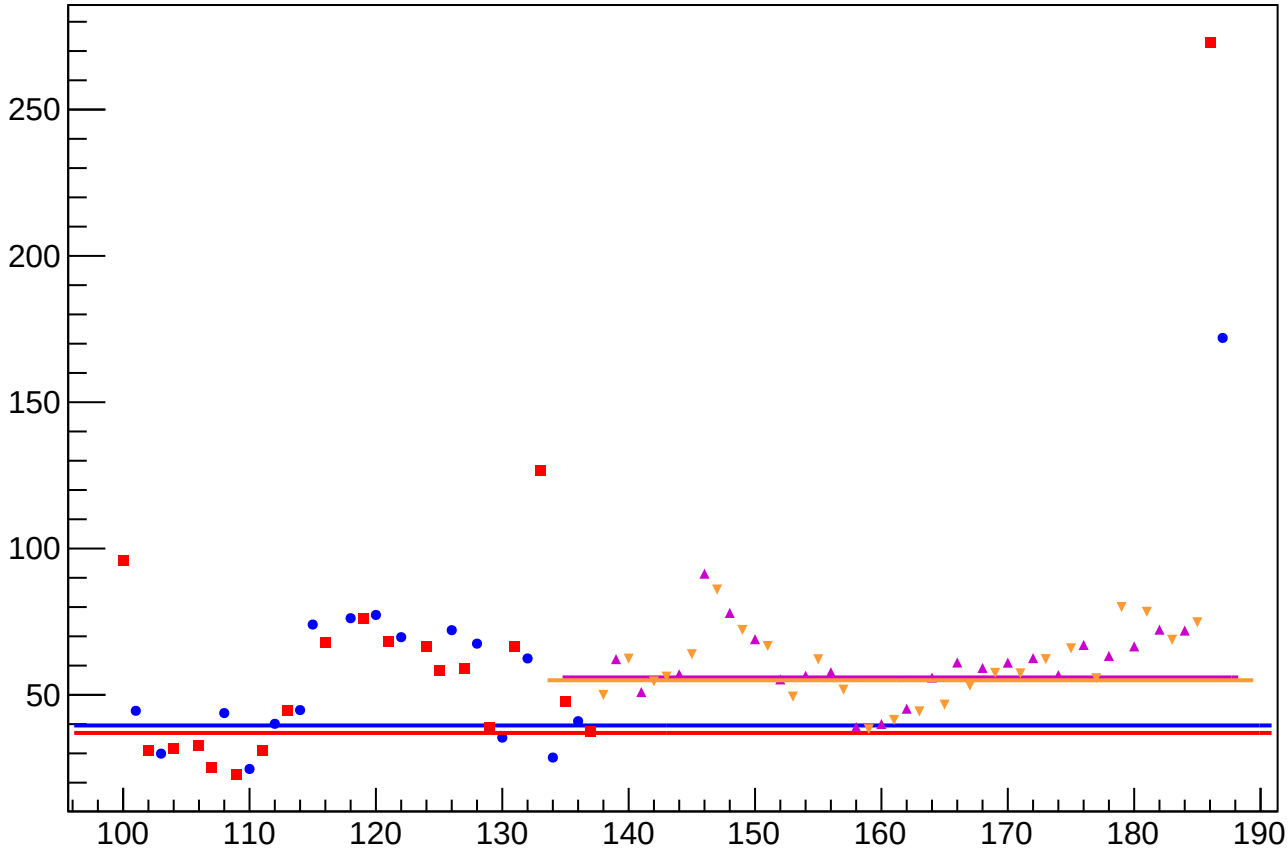
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.6/41

All: 0.014+/-0.007 χ^2/NDF: 92.5/84

- sign 0.007+/-0.010 χ^2/NDF: 36.1/42

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 39.542+/-0.011 χ^2/NDF: 1780558.3/16

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

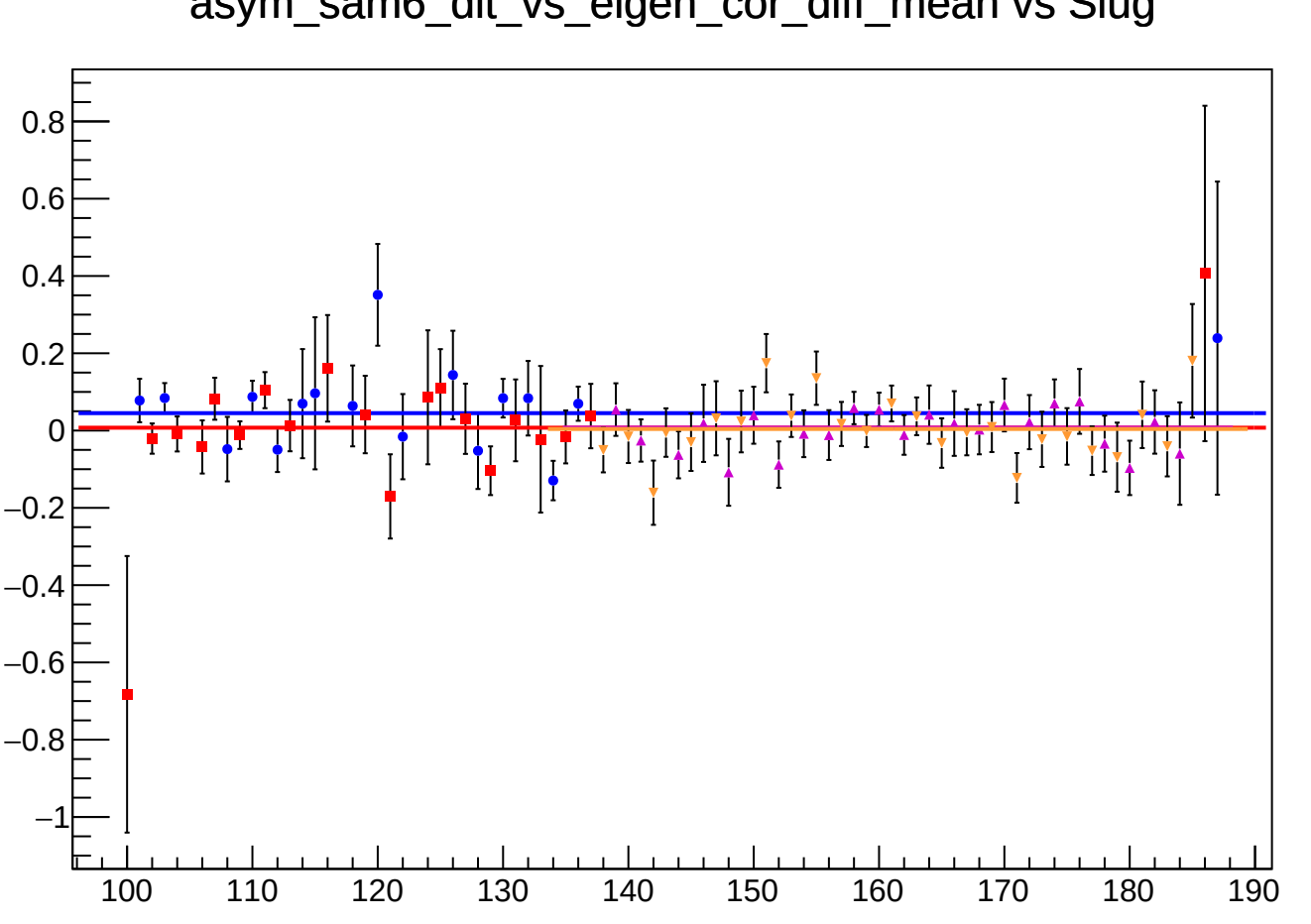
Right Out: 36.986+/-0.011 χ^2/NDF: 2688425.2/19

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

\+ sign 48.875+/-0.007 χ^2/NDF: 4472265.7/41

All: 48.196+/-0.005 χ^2/NDF: 10337051.5/84

\- sign 47.517+/-0.007 χ^2/NDF: 5846609.3/42



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 21.0/19

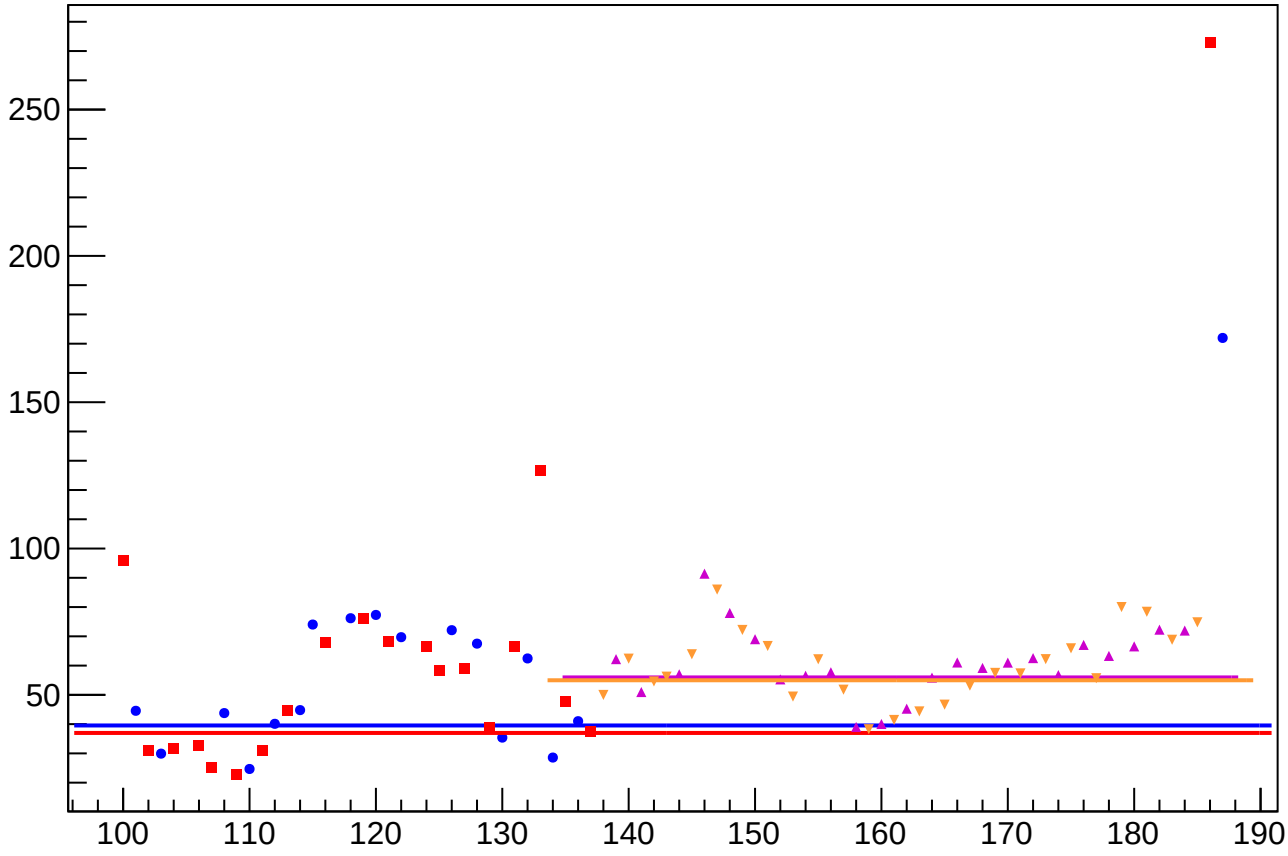
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.6/41

All: 0.014+/-0.007 χ^2/NDF: 92.5/84

- sign 0.007+/-0.010 χ^2/NDF: 36.1/42

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.542+/-0.011 χ^2/NDF: 1780558.3/16

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 36.986+/-0.011 χ^2/NDF: 2688425.2/19

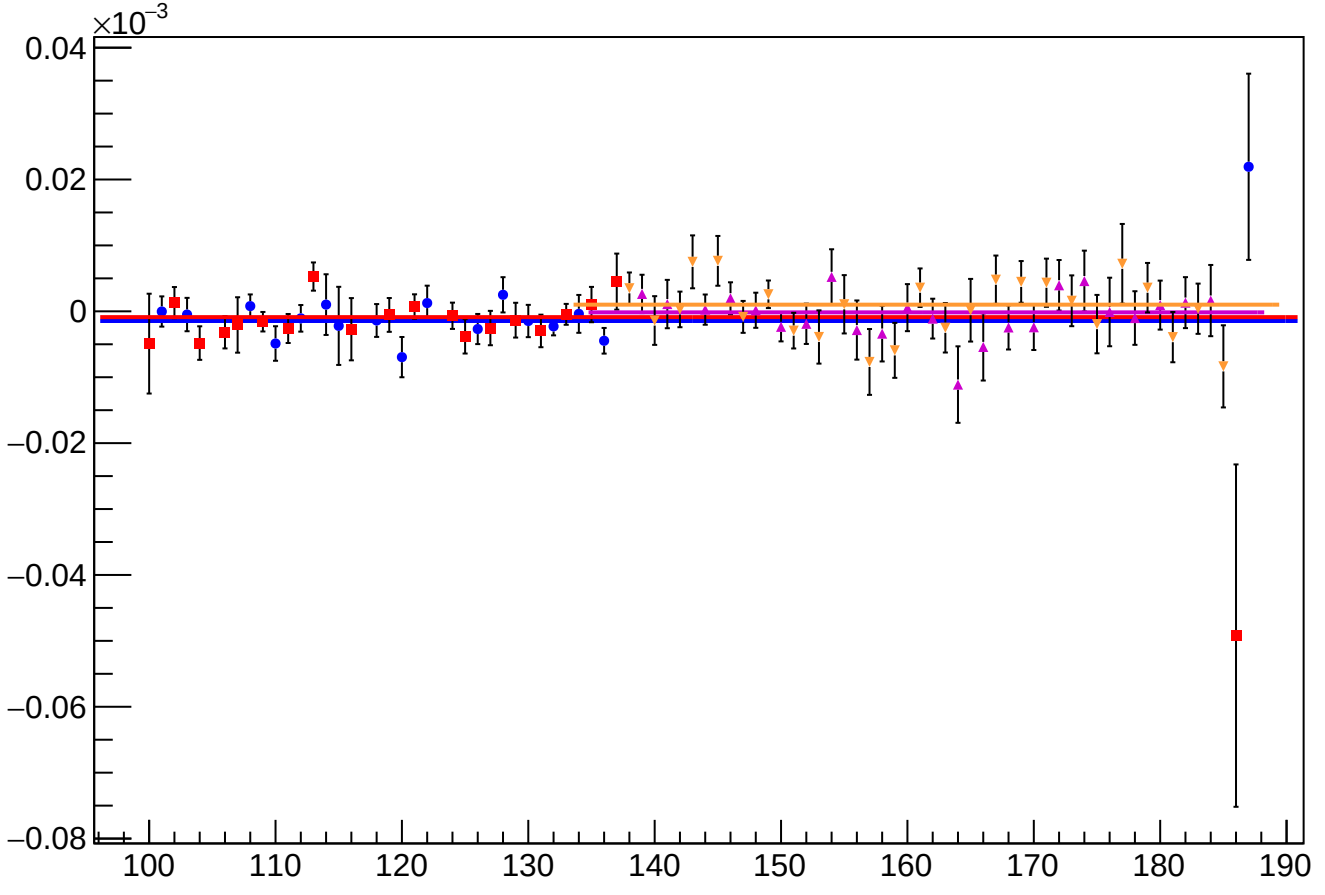
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 48.875+/-0.007 χ^2/NDF: 4472265.7/41

All: 48.196+/-0.005 χ^2/NDF: 10337051.5/84

- sign 47.517+/-0.007 χ^2/NDF: 5846609.3/42

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/19

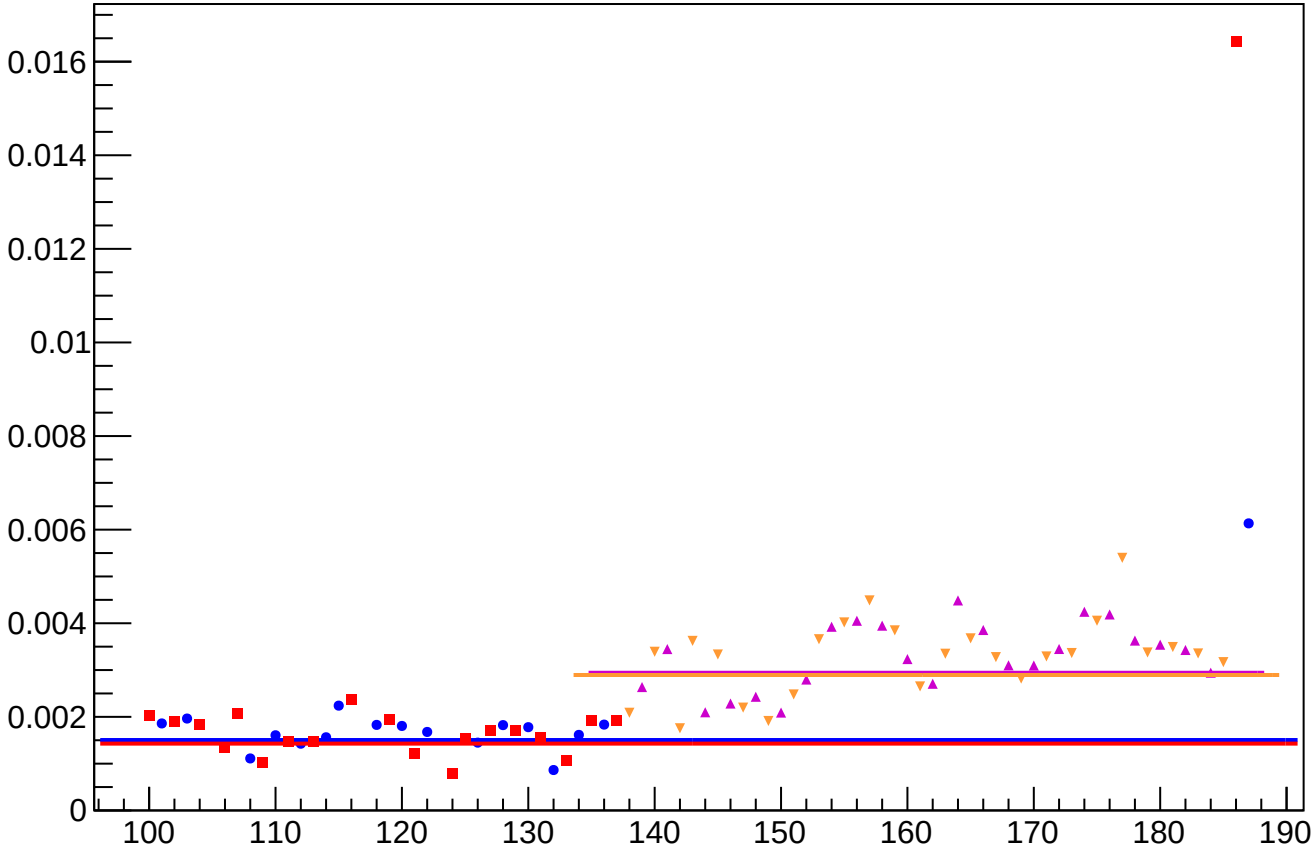
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.8/41

All: -0.000+/-0.000 χ^2/NDF: 90.1/84

- sign -0.000+/-0.000 χ^2/NDF: 37.3/42

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1082460.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

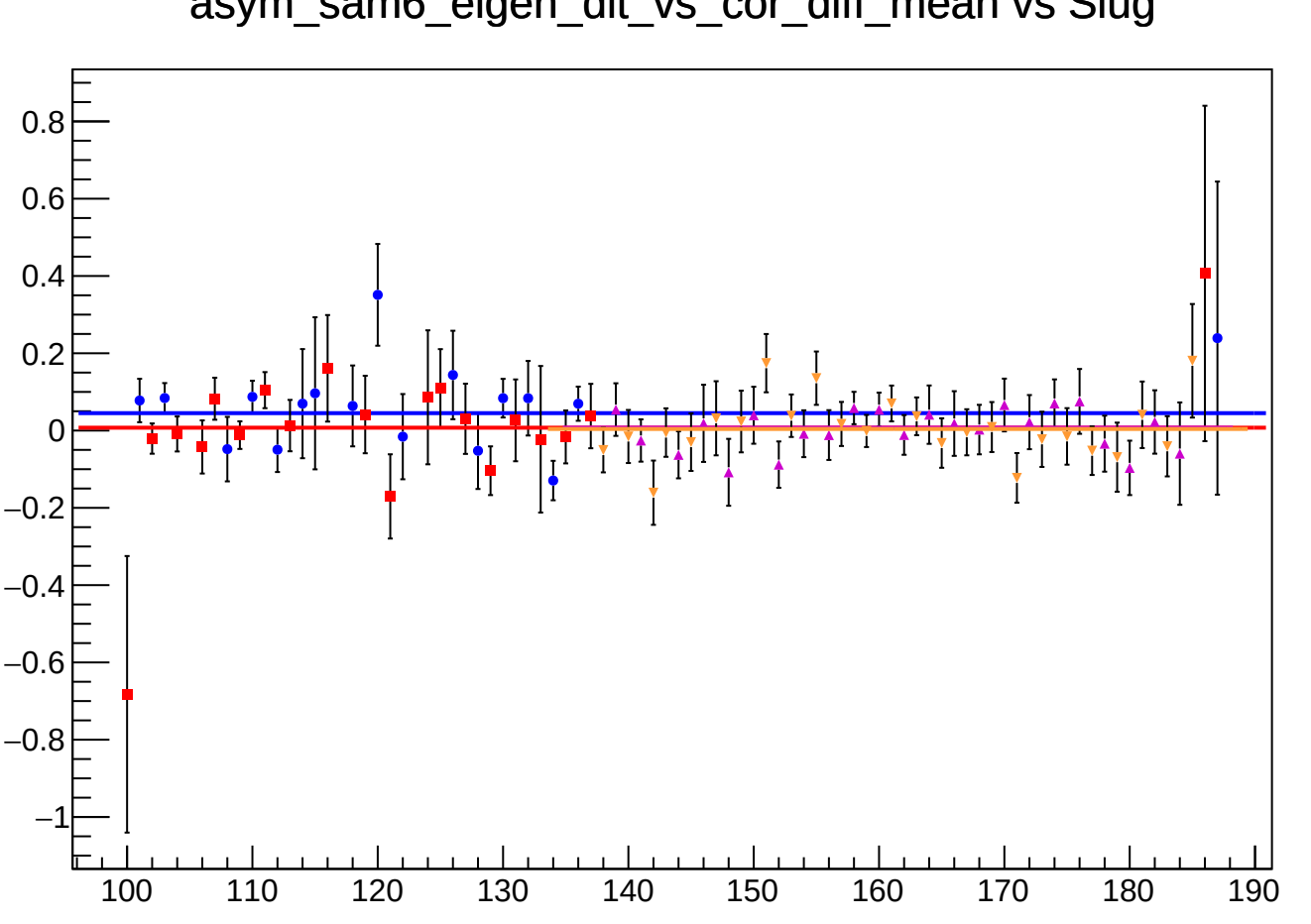
Right Out: 0.001+/-0.000 χ^2/NDF: 1665535.3/19

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 8506041.1/41

All: 0.002+/-0.000 χ^2/NDF: 17848966.4/84

- sign 0.002+/-0.000 χ^2/NDF: 9293270.9/42



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 21.0/19

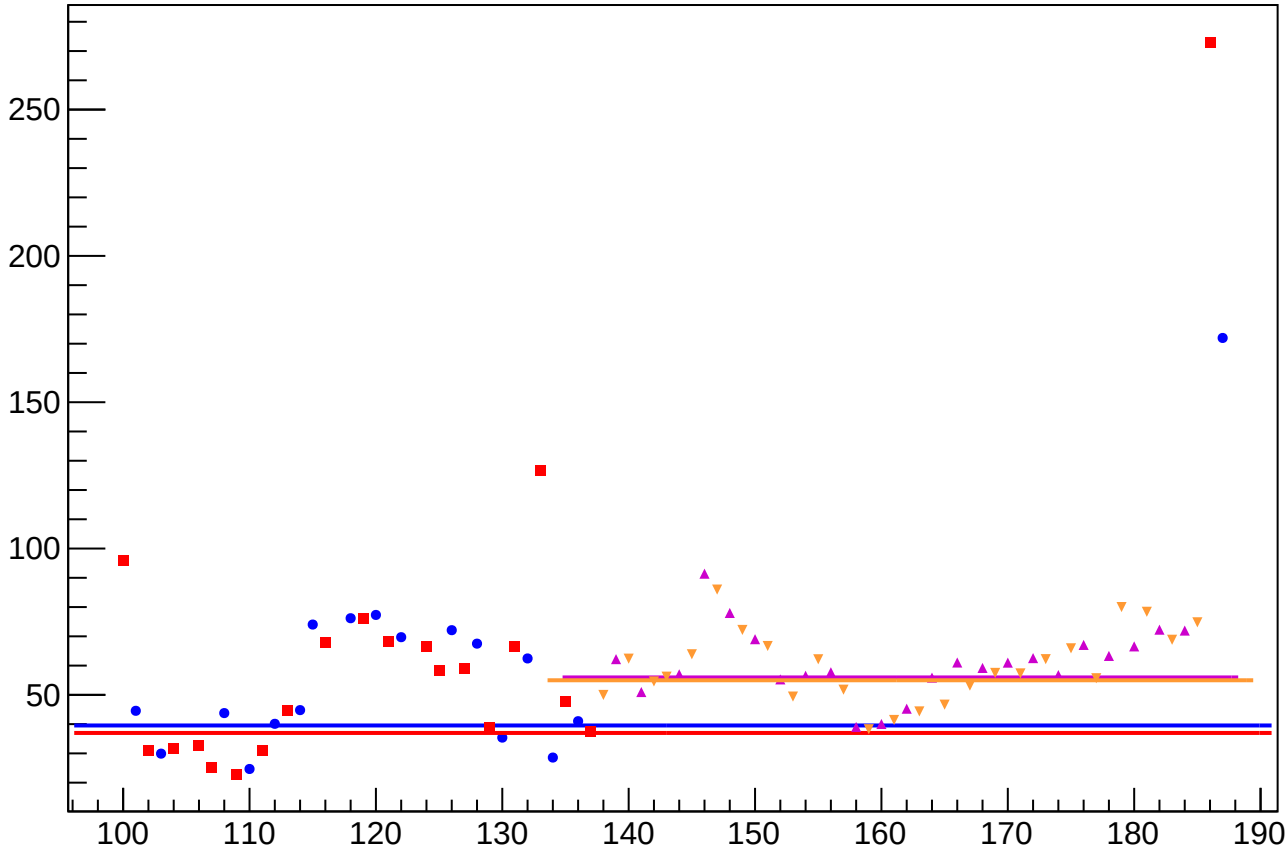
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.020+/-0.010 χ^2/NDF: 55.6/41

All: 0.014+/-0.007 χ^2/NDF: 92.5/84

- sign 0.007+/-0.010 χ^2/NDF: 36.1/42

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.541+/-0.011 χ^2/NDF: 1780578.1/16

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

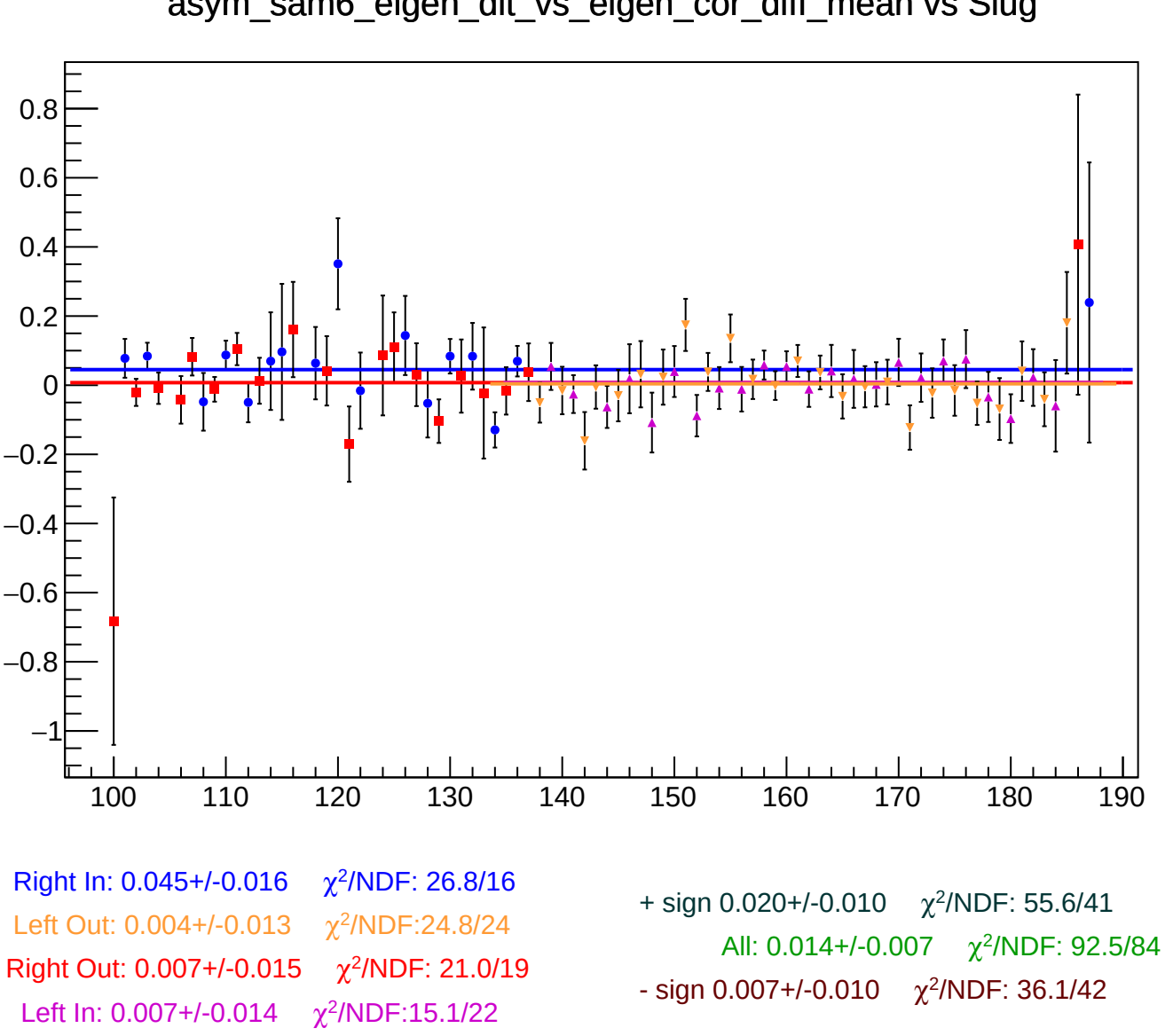
Right Out: 36.985+/-0.011 χ^2/NDF: 2688420.0/19

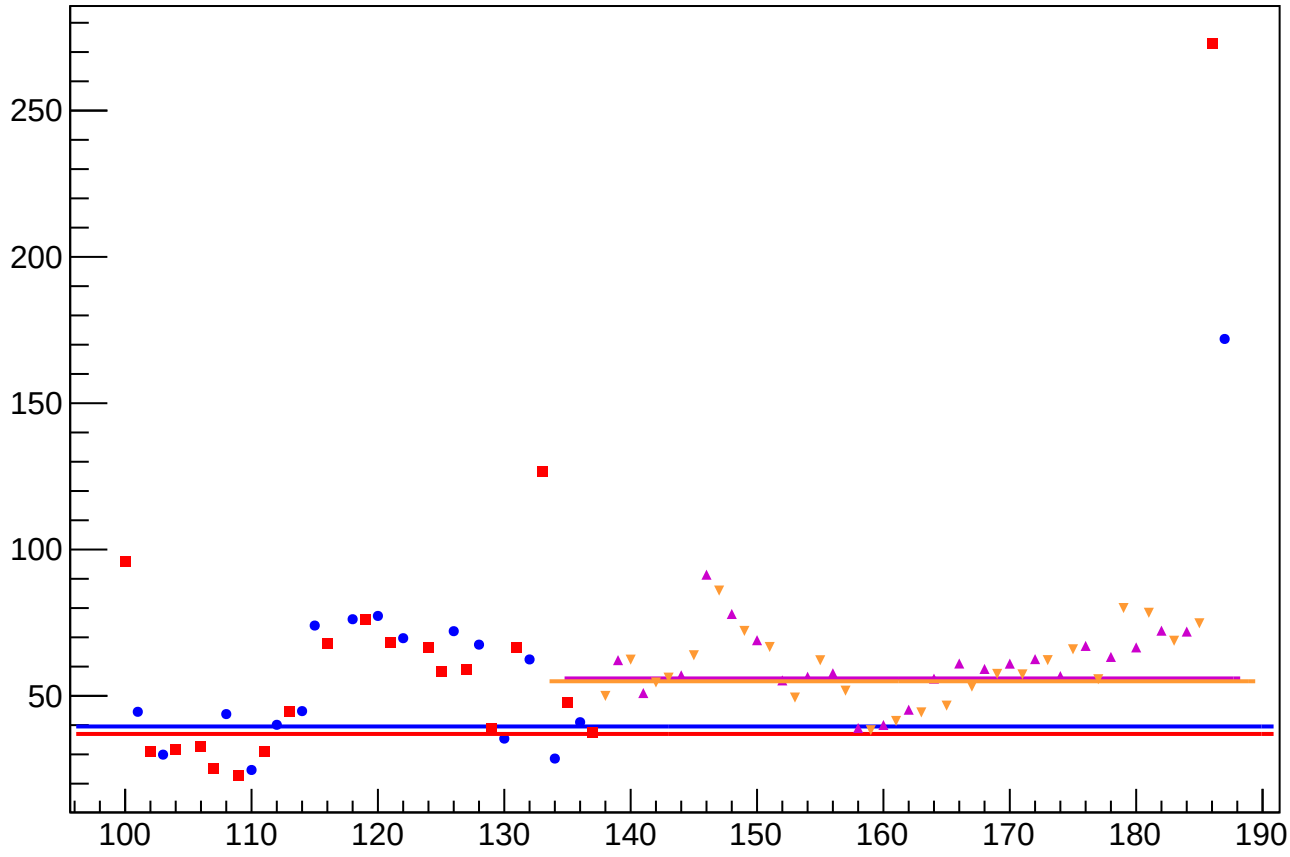
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 48.874+/-0.007 χ^2/NDF: 4472369.6/41

All: 48.195+/-0.005 χ^2/NDF: 10337190.2/84

- sign 47.516+/-0.007 χ^2/NDF: 5846646.7/42


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.045+/-0.016 χ²/NDF: 26.8/16
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.007+/-0.015 χ²/NDF: 21.0/19
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.020+/-0.010 χ²/NDF: 55.6/41
All: 0.014+/-0.007 χ²/NDF: 92.5/84
- sign 0.007+/-0.010 χ²/NDF: 36.1/42



Right In: 39.541+/-0.011 χ^2/NDF: 1780578.1/16

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

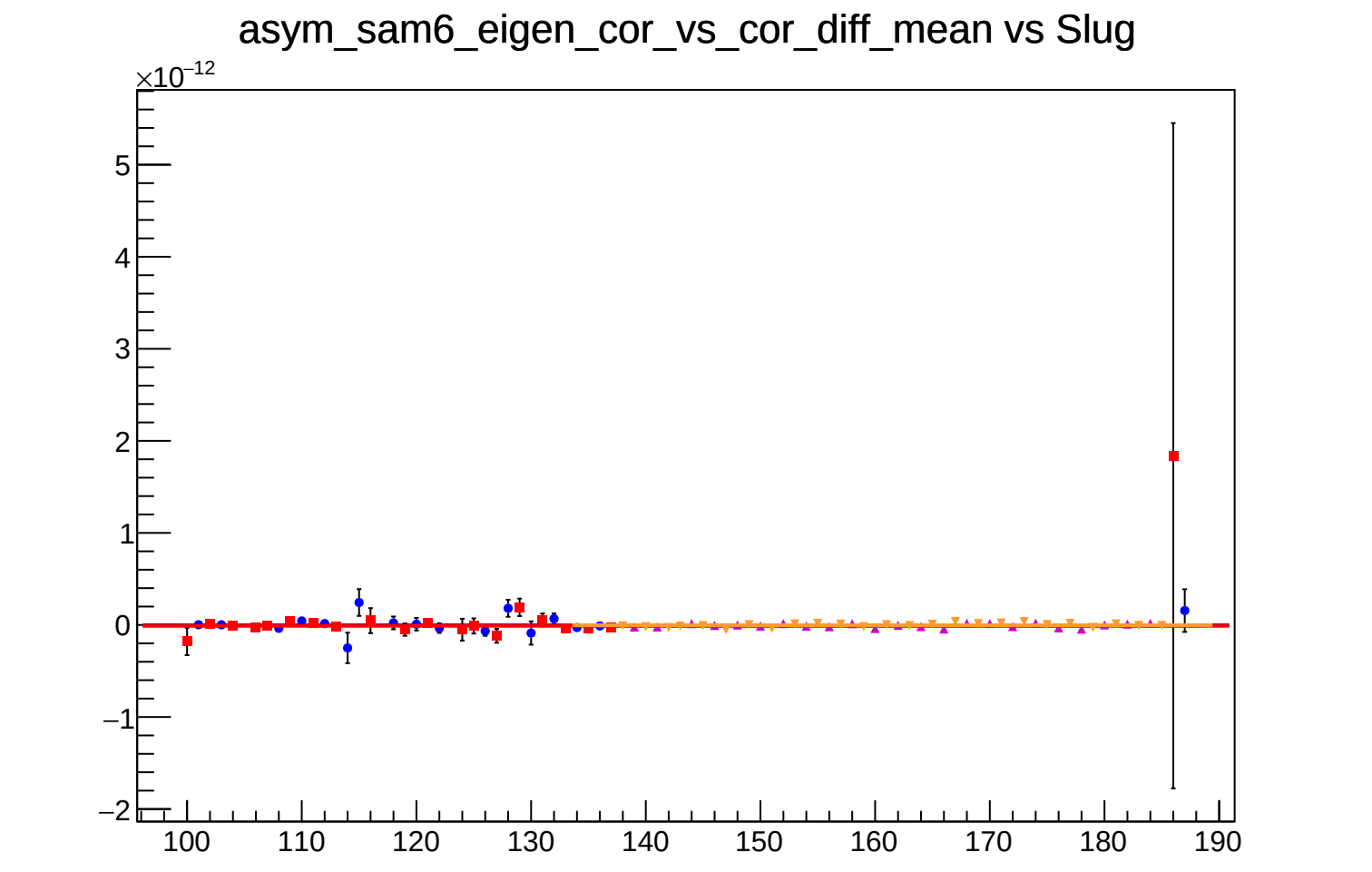
Right Out: 36.985+/-0.011 χ^2/NDF: 2688420.0/19

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 48.874+/-0.007 χ^2/NDF: 4472369.6/41

All: 48.195+/-0.005 χ^2/NDF: 10337190.2/84

- sign 47.516+/-0.007 χ^2/NDF: 5846646.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

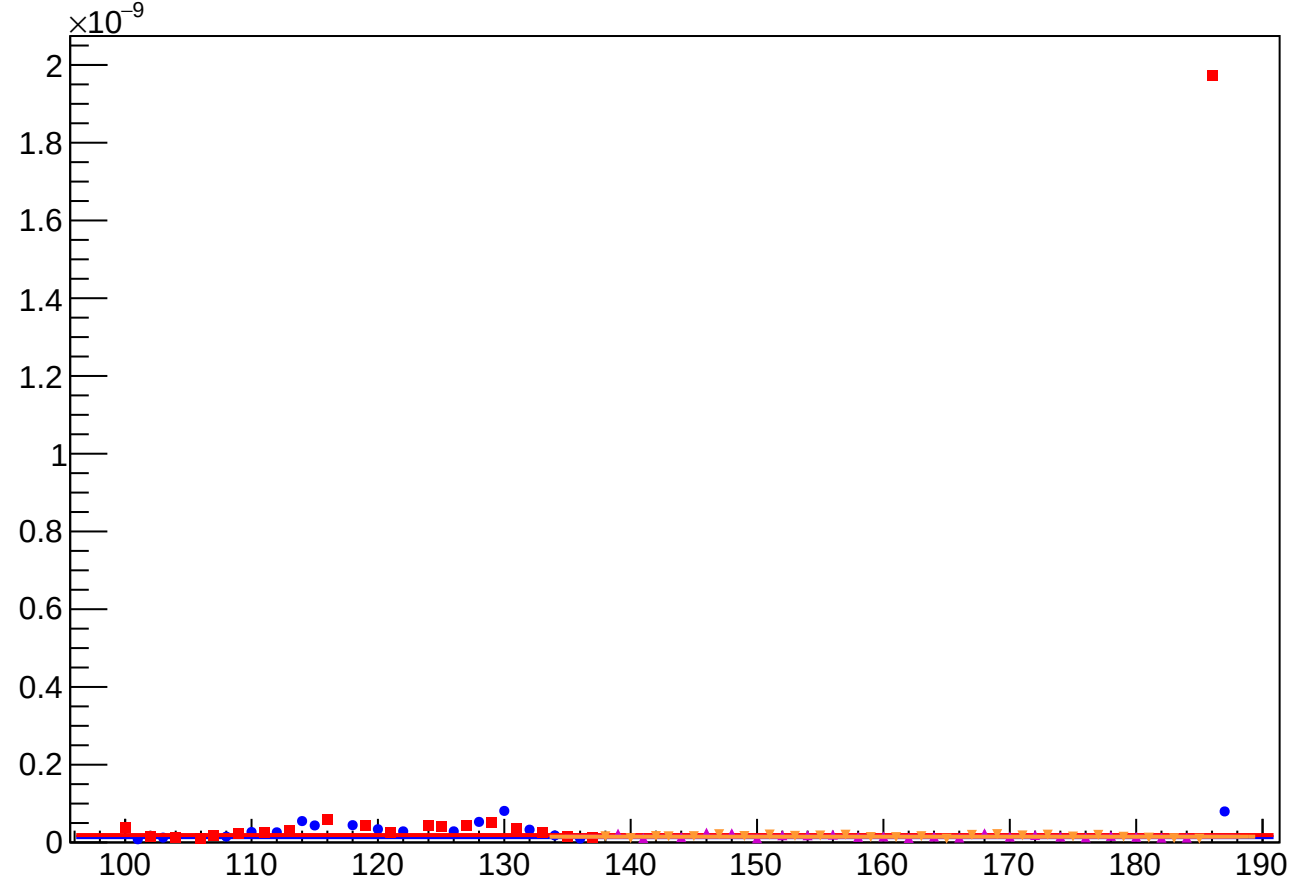
Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/19

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.4/41

All: -0.000+/-0.000 χ^2/NDF: 75.1/84

- sign -0.000+/-0.000 χ^2/NDF: 38.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 3350335.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2634505.2/19

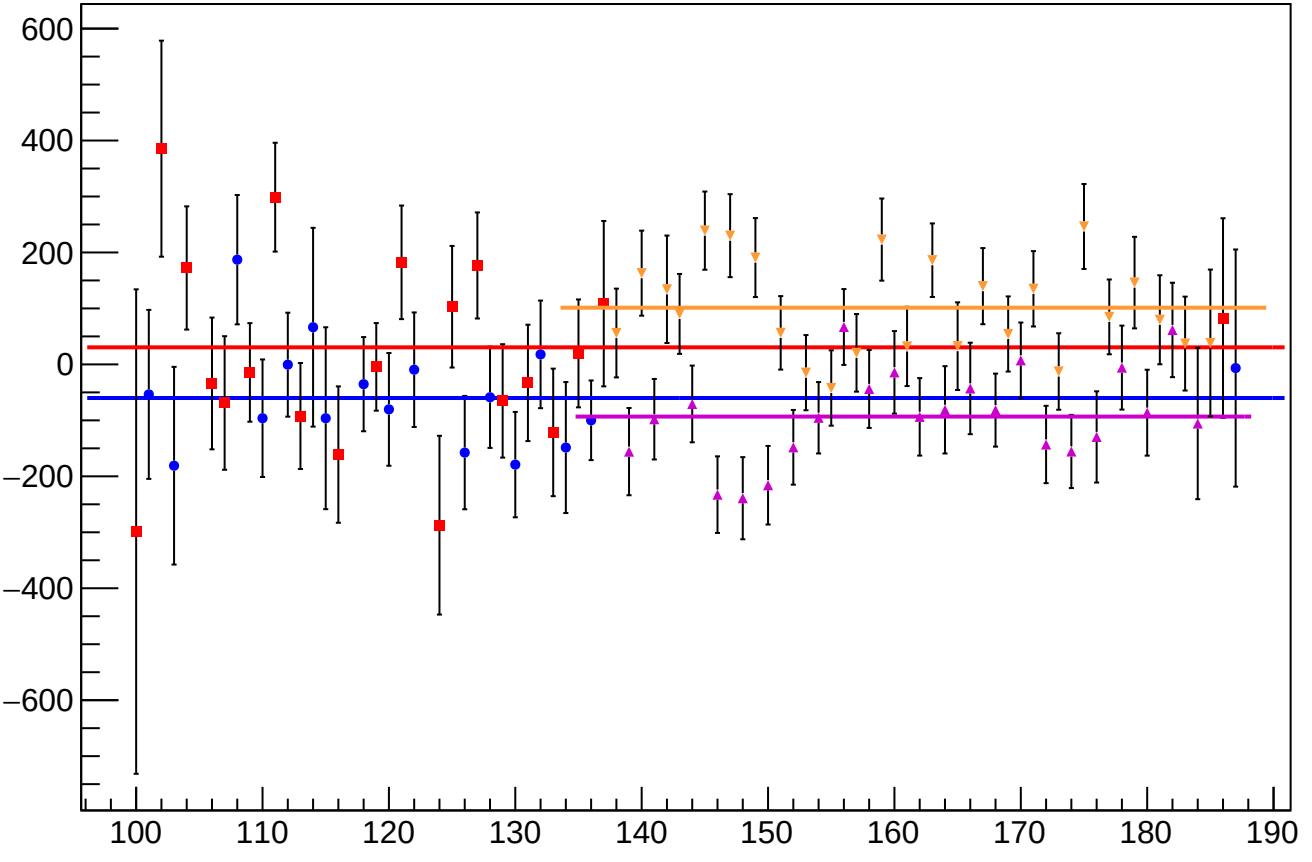
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4789958.9/41

All: 0.000+/-0.000 χ^2/NDF: 9282801.4/84

- sign 0.000+/-0.000 χ^2/NDF: 4395301.2/42

reg_asym_sam7_mean vs Slug



Right In: -60.037+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.491+/-24.860 χ^2/NDF: 31.3/19

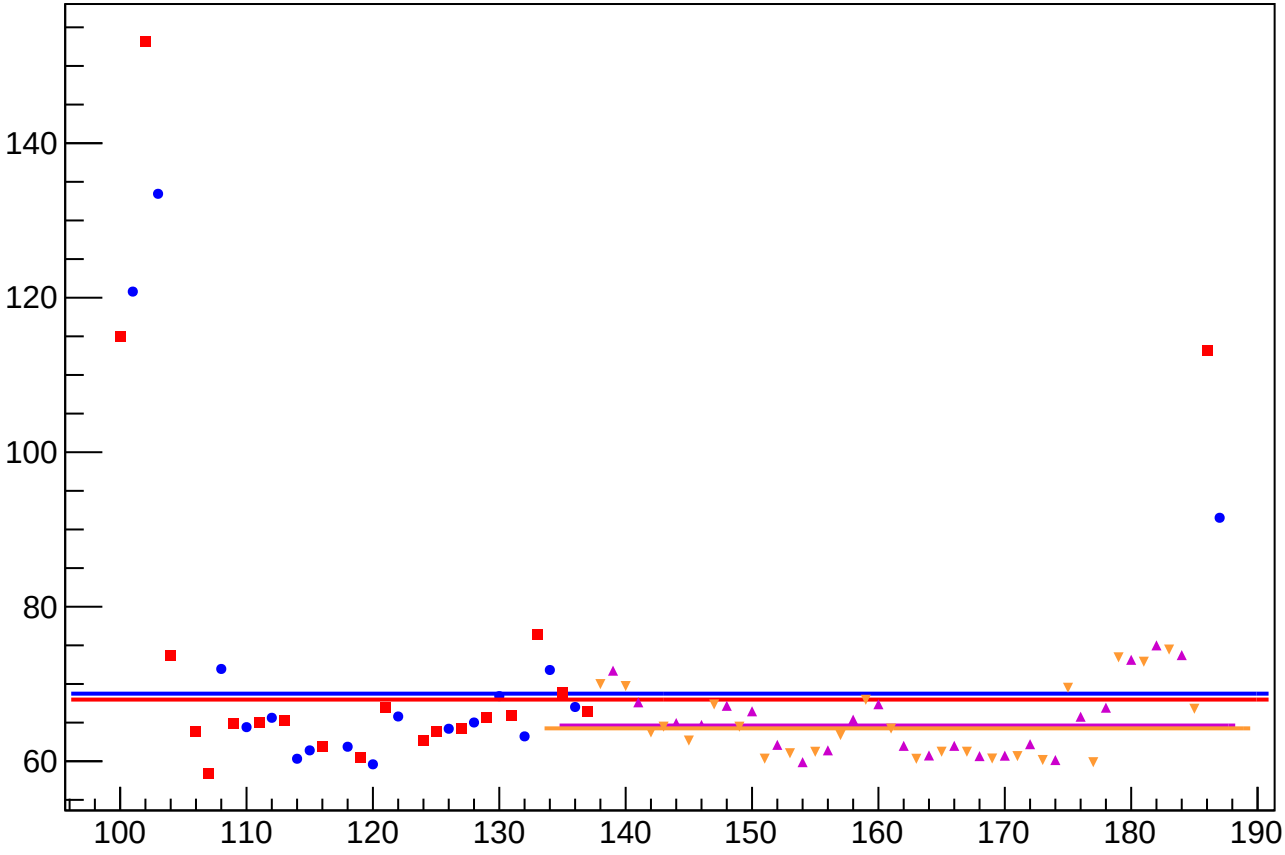
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 62.151+/-12.741 χ^2/NDF: 74.0/41

All: 2.080+/-9.075 χ^2/NDF: 197.3/84

- sign -59.773+/-12.929 χ^2/NDF: 78.2/42

reg_asym_sam7_rms vs Slug



Right In: 68.748+/-0.018 χ^2/NDF: 592999.6/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 67.981+/-0.018 χ^2/NDF: 612601.5/19

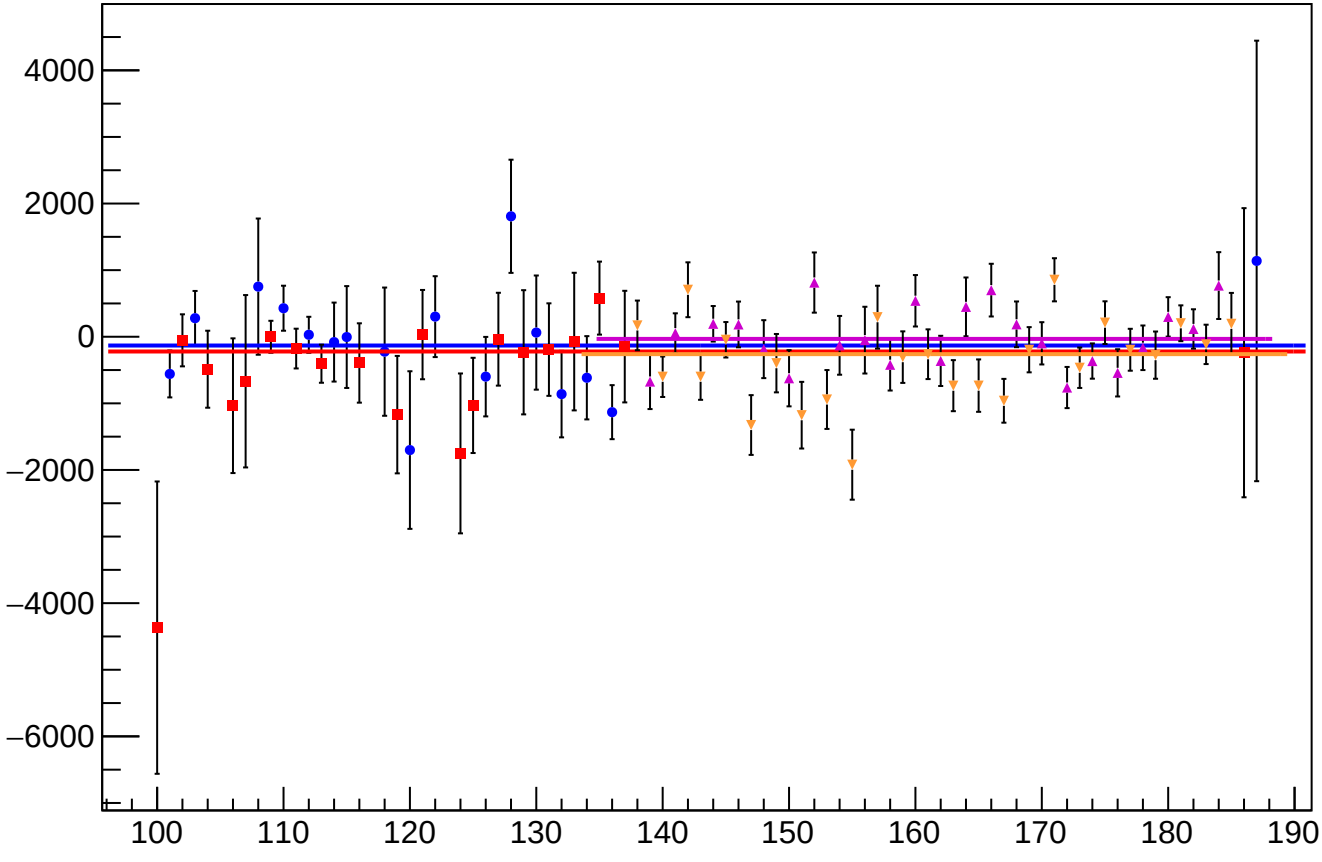
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 65.346+/-0.009 χ^2/NDF: 816397.0/41

All: 65.437+/-0.006 χ^2/NDF: 1603051.1/84

\- sign 65.530+/-0.009 χ^2/NDF: 786449.3/42

asym_sam7_reg_correction_mean vs Slug



Right In: -131.749+/-125.812 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -221.378+/-117.610 χ^2/NDF: 12.5/19

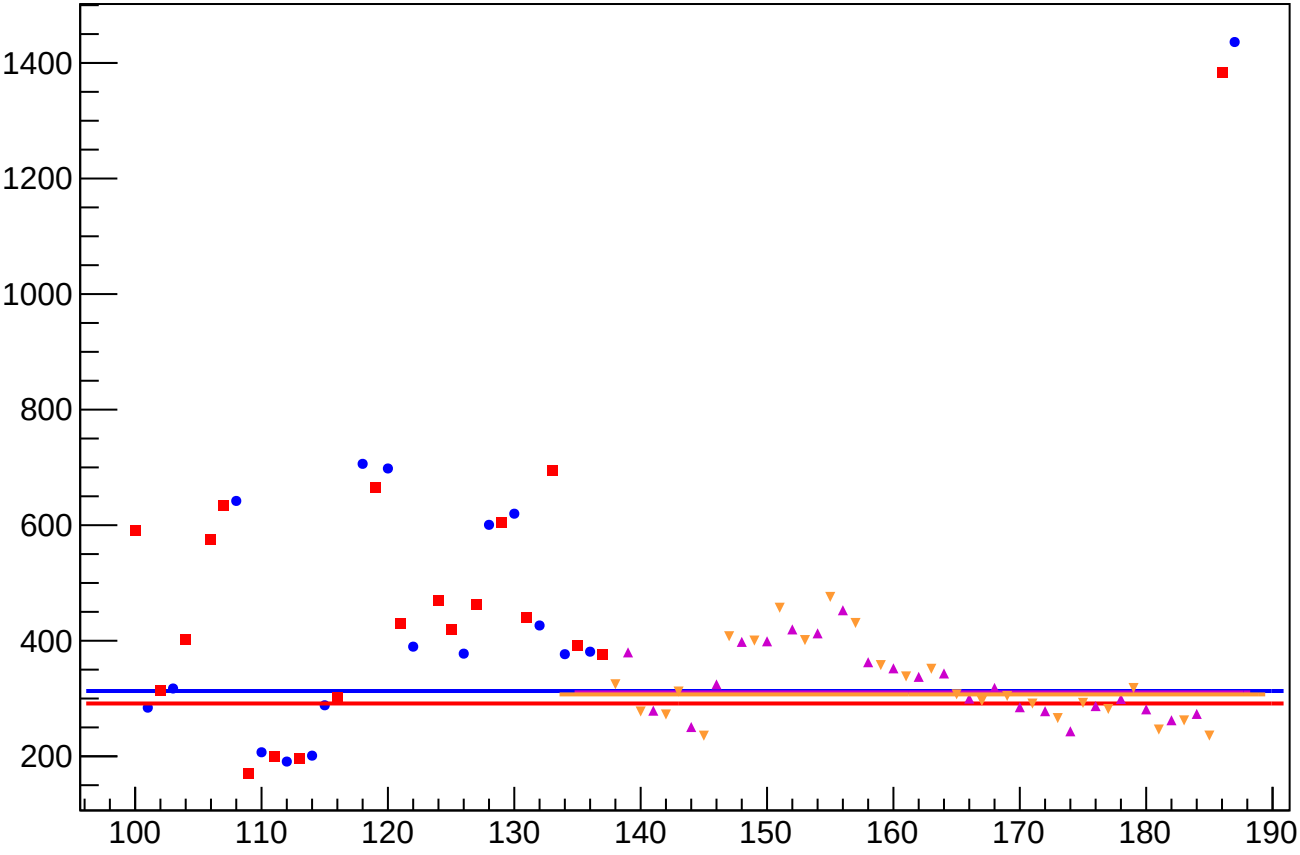
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -229.695+/-62.010 χ^2/NDF: 82.2/41

All: -158.375+/-44.032 χ^2/NDF: 131.0/84

- sign -85.844+/-62.534 χ^2/NDF: 46.1/42

asym_sam7_reg_correction_rms vs Slug



Right In: 313.014+/-0.089 χ^2/NDF: 2354849.1/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 291.418+/-0.083 χ^2/NDF: 3222572.7/19

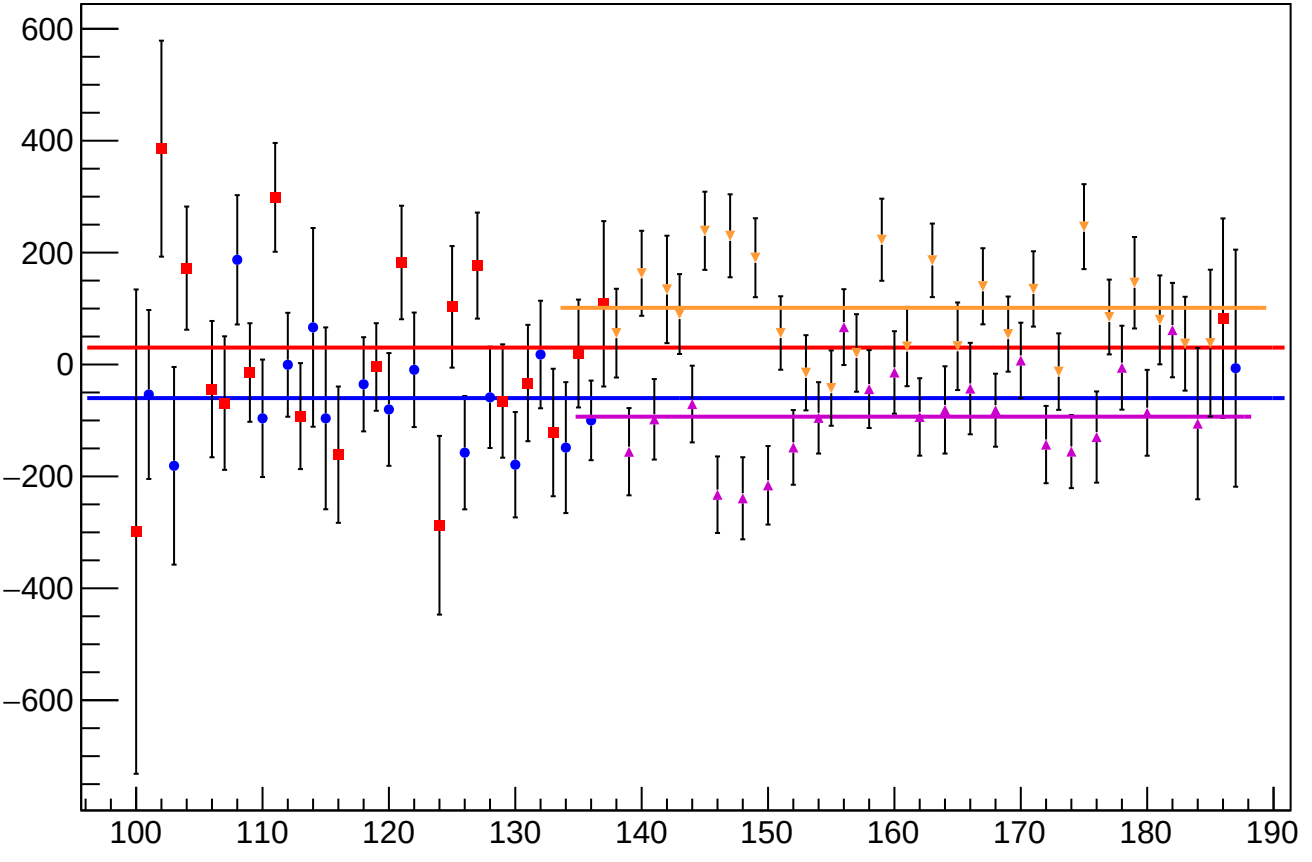
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 308.569+/-0.044 χ^2/NDF: 3678297.4/41

All: 306.922+/-0.031 χ^2/NDF: 8021741.3/84

- sign 305.247+/-0.044 χ^2/NDF: 4340597.3/42

cor_asym_sam7_mean vs Slug



Right In: -60.039+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.264+/-24.897 χ^2/NDF: 31.4/19

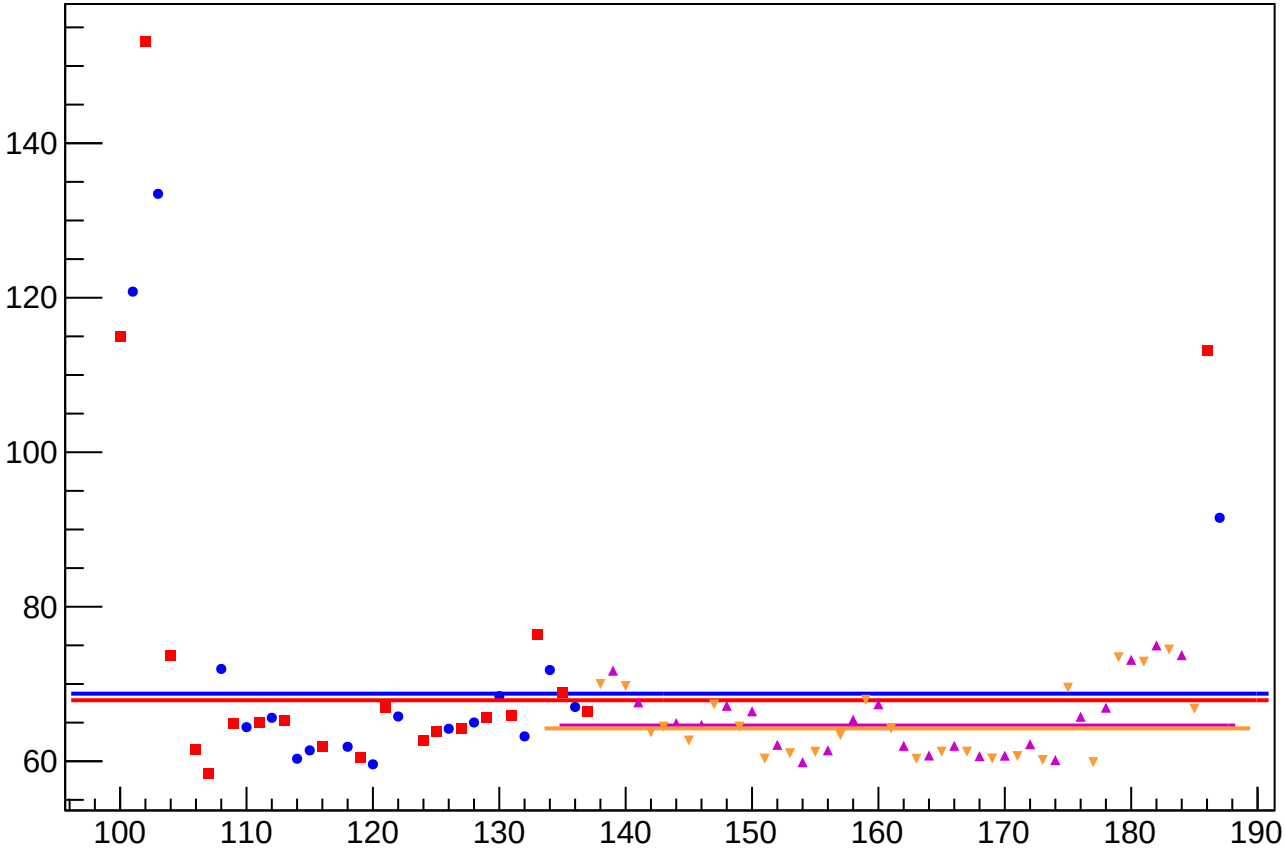
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 62.151+/-12.741 χ^2/NDF: 74.0/41

All: 2.039+/-9.077 χ^2/NDF: 197.4/84

- sign -59.905+/-12.934 χ^2/NDF: 78.2/42

cor_asym_sam7_rms vs Slug



Right In: 68.748+/-0.018 χ^2/NDF: 593000.0/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 67.894+/-0.018 χ^2/NDF: 615784.5/19

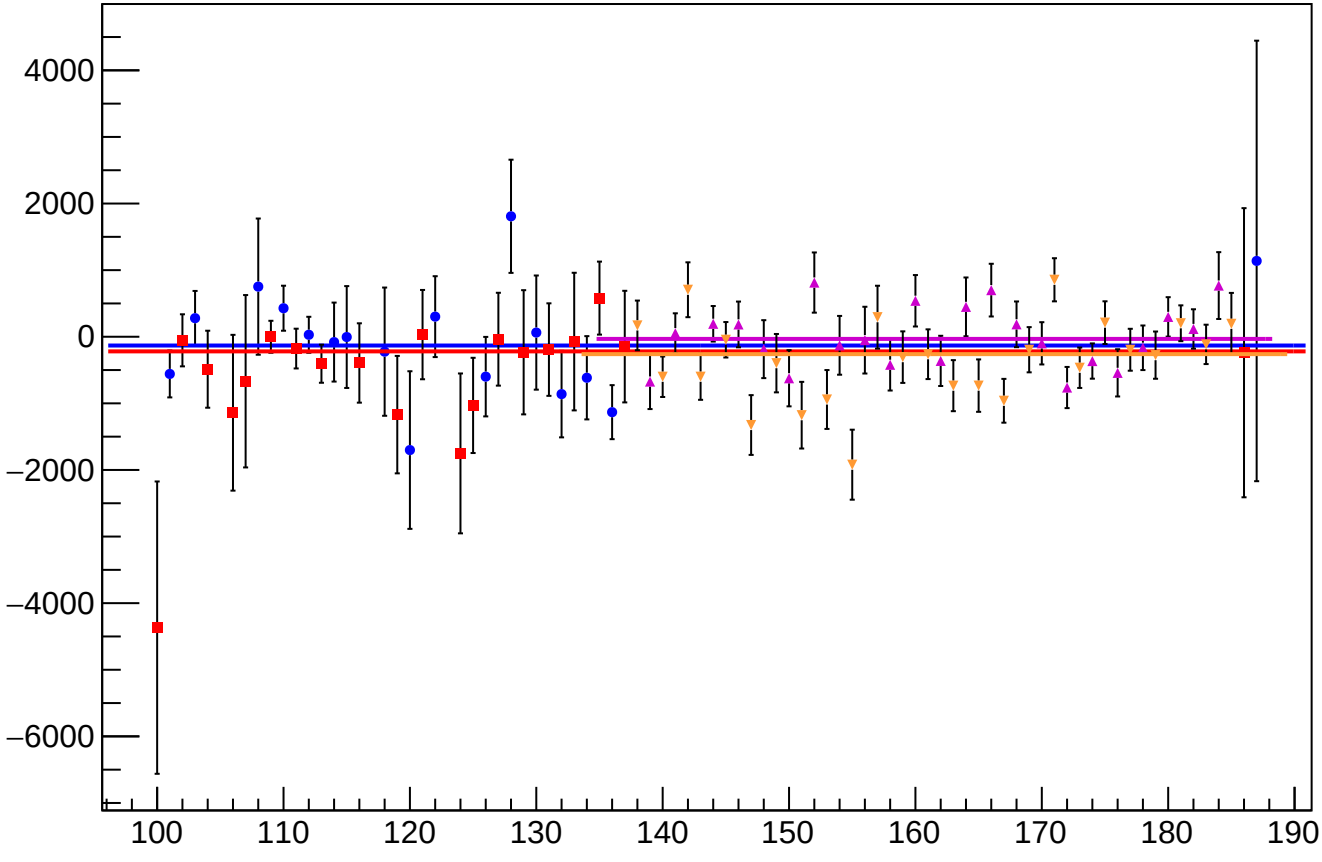
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.346+/-0.009 χ^2/NDF: 816397.3/41

All: 65.424+/-0.006 χ^2/NDF: 1604769.9/84

- sign 65.504+/-0.009 χ^2/NDF: 788220.5/42

asym_sam7_cor_correction_mean vs Slug



Right In: -131.746+/-125.813 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -219.674+/-117.816 χ^2/NDF: 12.5/19

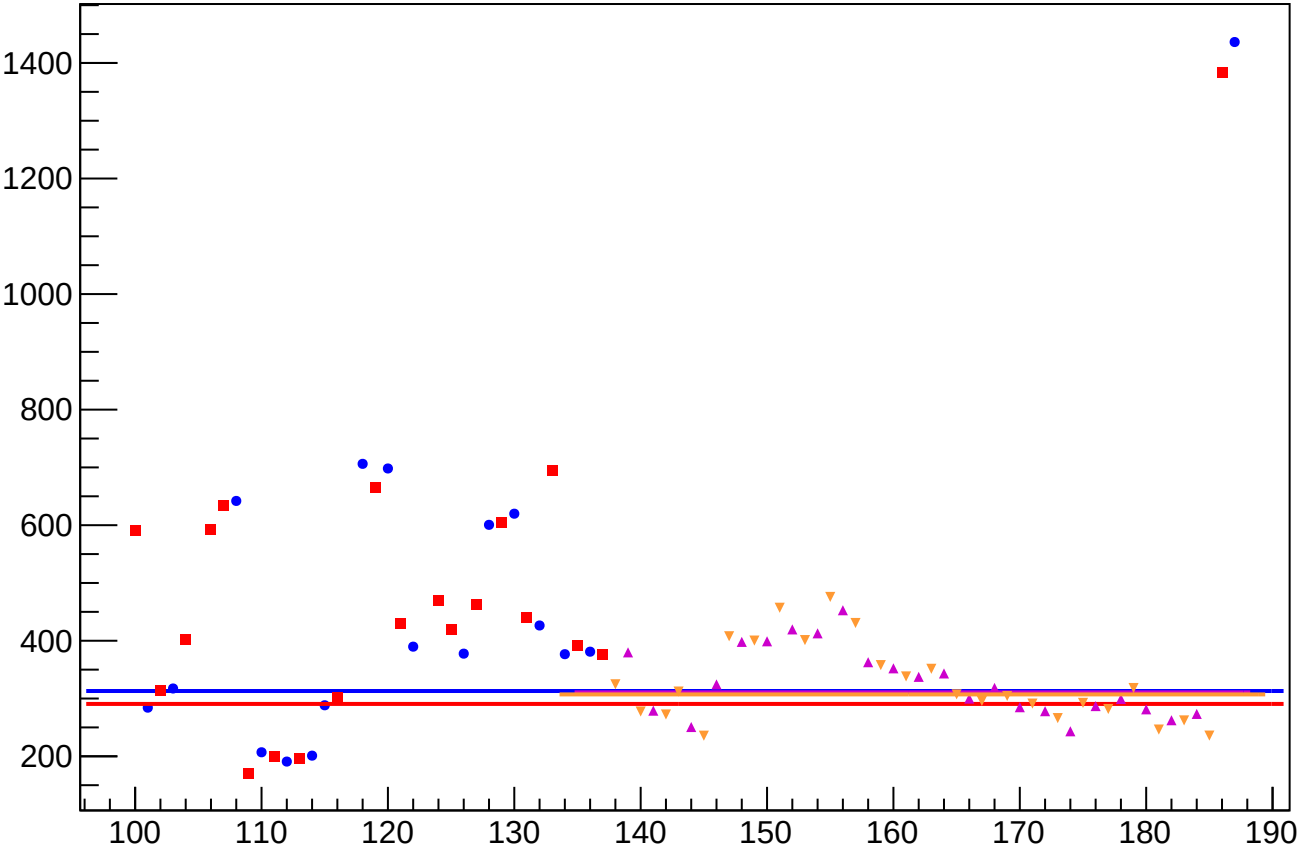
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -229.695+/-62.010 χ^2/NDF: 82.2/41

All: -158.105+/-44.043 χ^2/NDF: 131.0/84

- sign -85.227+/-62.565 χ^2/NDF: 46.1/42

asym_sam7_cor_correction_rms vs Slug



Right In: 313.016+/-0.089 χ^2/NDF: 2354849.7/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 290.640+/-0.083 χ^2/NDF: 3198176.8/19

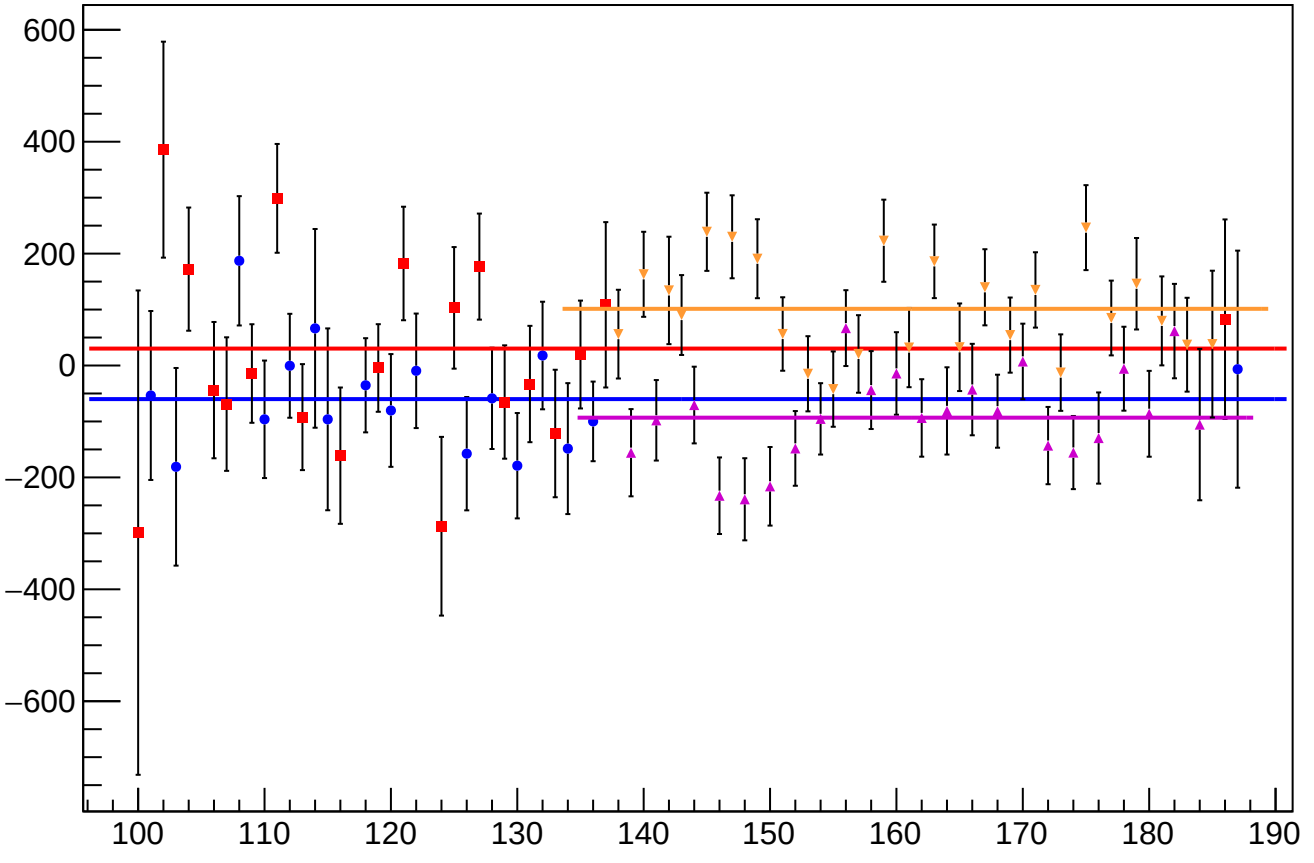
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 308.570+/-0.044 χ^2/NDF: 3678296.6/41

All: 306.821+/-0.031 χ^2/NDF: 8000780.9/84

- sign 305.041+/-0.044 χ^2/NDF: 4319275.2/42

eigen_cor_asym_sam7_mean vs Slug



Right In: -60.039+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 30.264+/-24.897 χ^2/NDF: 31.4/19

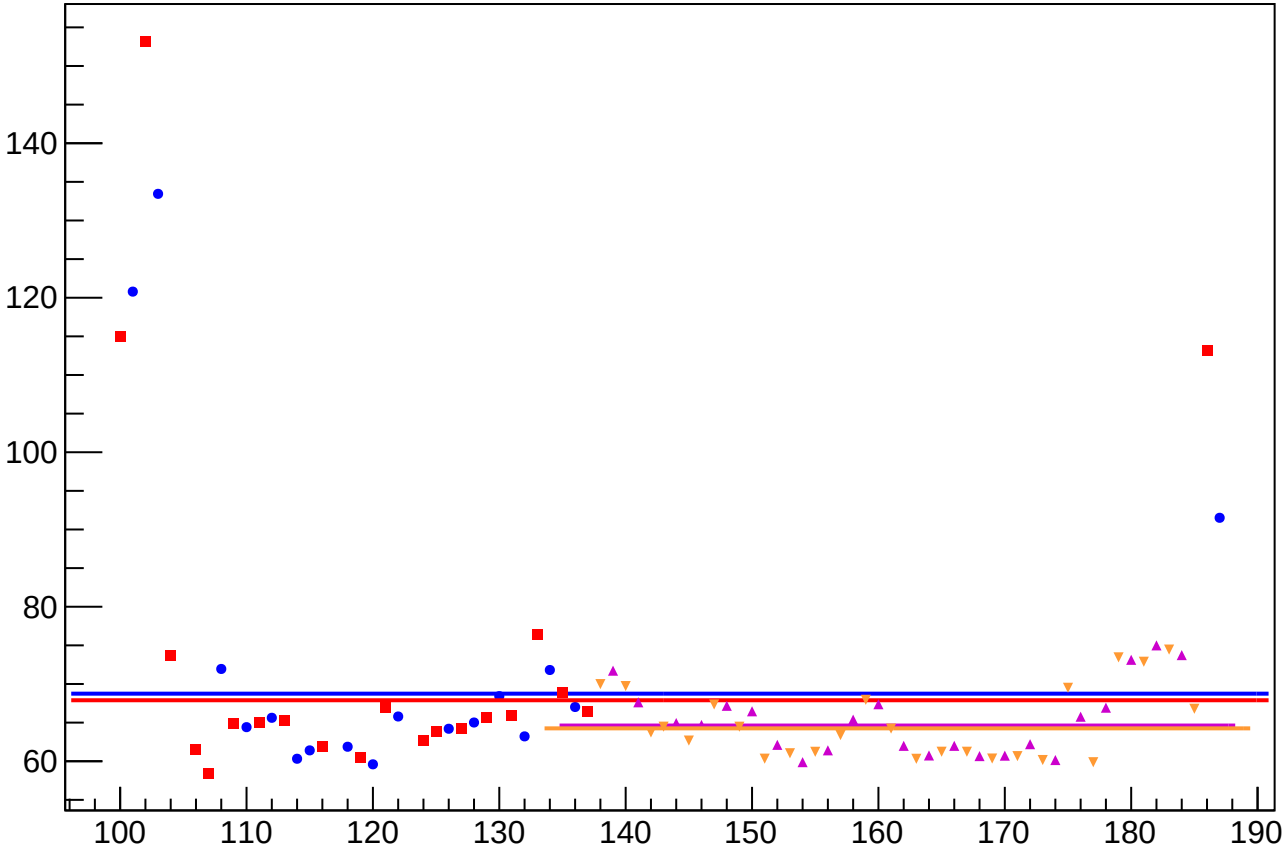
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 62.151+/-12.741 χ^2/NDF: 74.0/41

All: 2.039+/-9.077 χ^2/NDF: 197.4/84

- sign -59.905+/-12.934 χ^2/NDF: 78.2/42

eigen_cor_asym_sam7_rms vs Slug



Right In: 68.748+/-0.018 χ^2/NDF: 593000.0/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

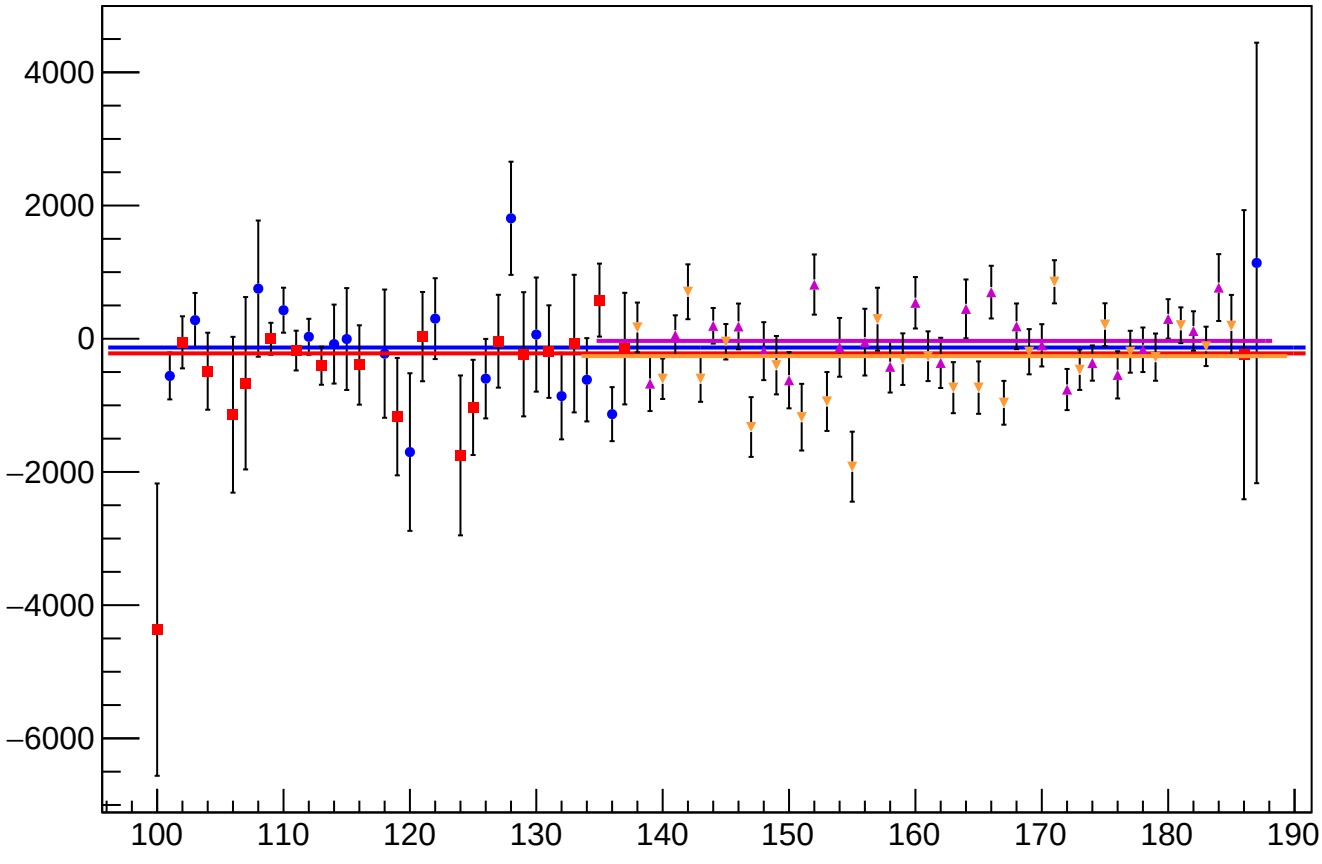
Right Out: 67.894+/-0.018 χ^2/NDF: 615784.5/19

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 65.346+/-0.009 χ^2/NDF: 816397.3/41

All: 65.424+/-0.006 χ^2/NDF: 1604769.9/84

- sign 65.504+/-0.009 χ^2/NDF: 788220.5/42



Right In: -131.746+/-125.813 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -219.674+/-117.816 χ^2/NDF: 12.5/19

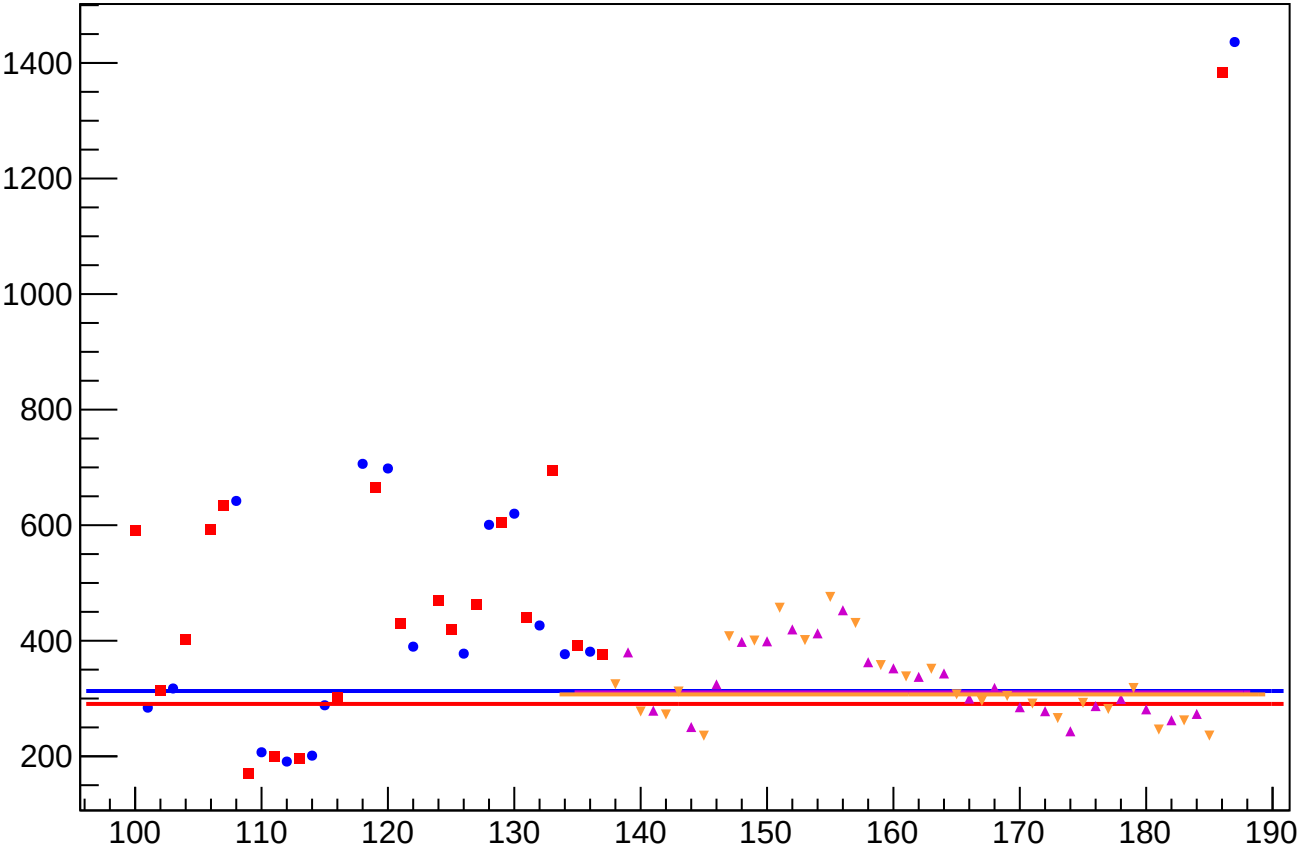
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

\+ sign -229.695+/-62.010 χ^2/NDF: 82.2/41

All: -158.105+/-44.043 χ^2/NDF: 131.0/84

\- sign -85.227+/-62.565 χ^2/NDF: 46.1/42

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 313.016+/-0.089 χ^2/NDF: 2354849.7/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 290.640+/-0.083 χ^2/NDF: 3198176.8/19

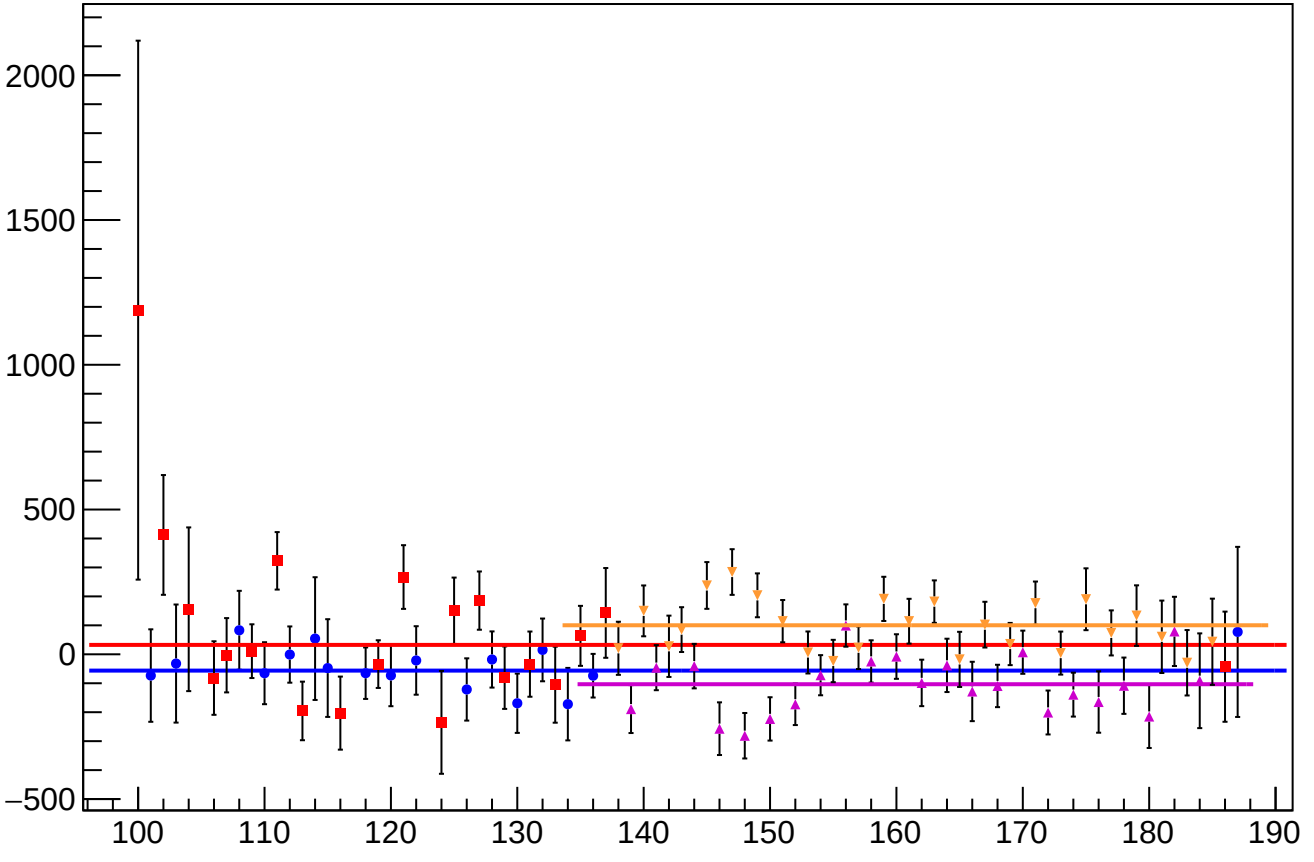
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 308.570+/-0.044 χ^2/NDF: 3678296.6/41

All: 306.821+/-0.031 χ^2/NDF: 8000780.9/84

- sign 305.041+/-0.044 χ^2/NDF: 4319275.2/42

dit_asym_sam7_mean vs Slug



Right In: -56.311+/-27.959 χ^2/NDF: 5.1/16

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 32.471+/-27.118 χ^2/NDF: 37.3/19

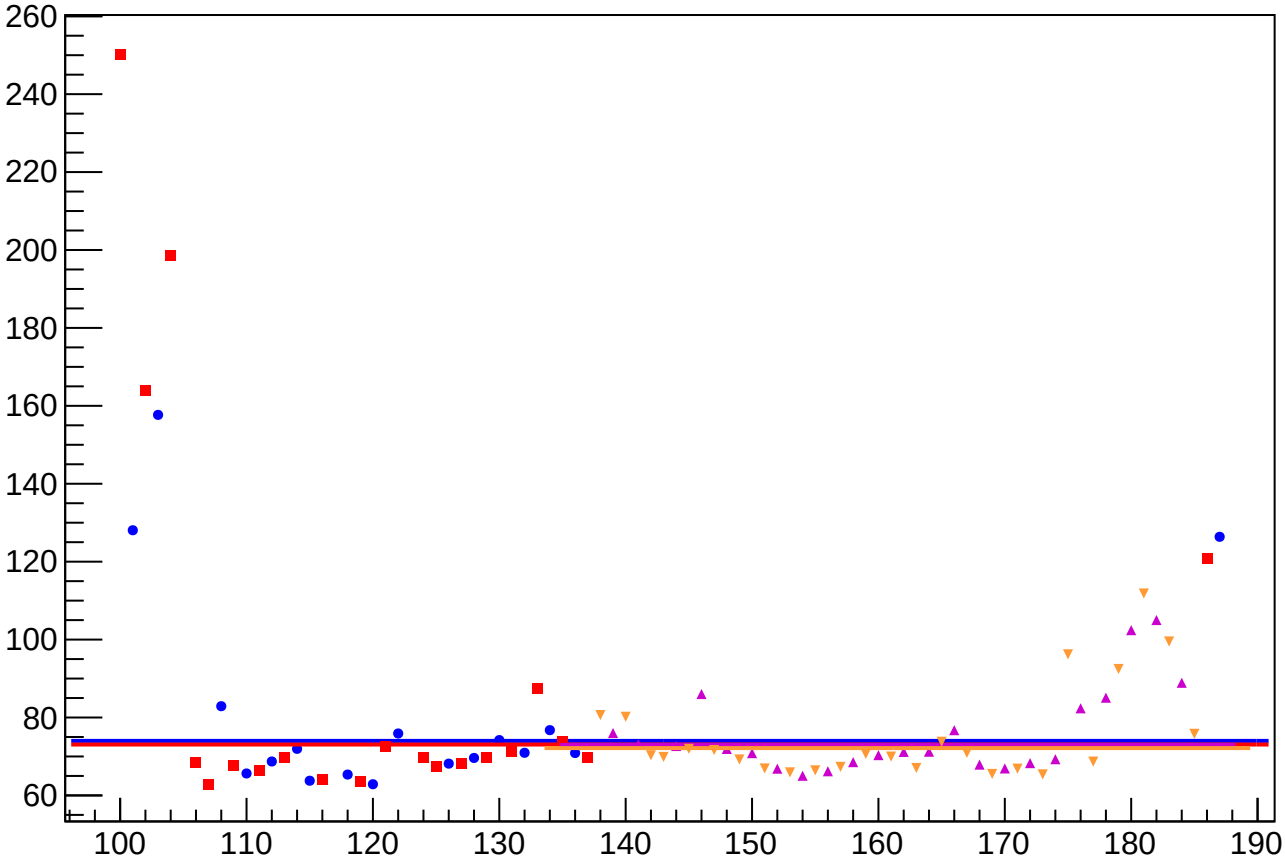
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.374+/-14.290 χ^2/NDF: 56.0/41

All: -1.251+/-10.199 χ^2/NDF: 180.5/84

- sign -64.200+/-14.561 χ^2/NDF: 87.9/42

dit_asym_sam7_rms vs Slug



Right In: 73.998+/-0.020 χ^2/NDF: 721018.0/16

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 73.064+/-0.019 χ^2/NDF: 1086981.6/19

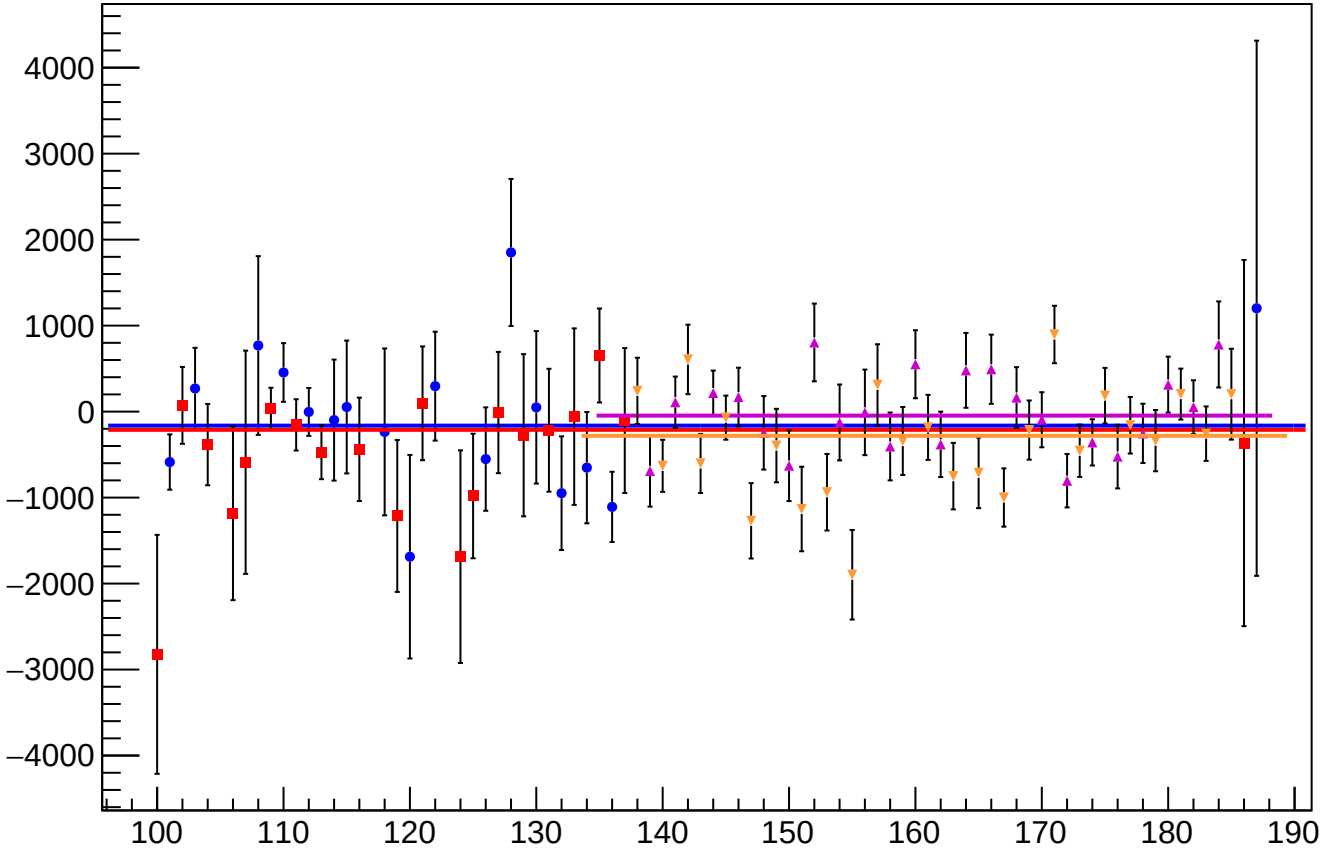
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 72.632+/-0.010 χ^2/NDF: 1369444.6/41

All: 72.804+/-0.007 χ^2/NDF: 2966066.0/84

- sign 72.982+/-0.010 χ^2/NDF: 1596035.6/42

asym_sam7_dit_correction_mean vs Slug



Right In: -163.175+/-128.328 χ^2/NDF: 22.8/16

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -211.838+/-119.931 χ^2/NDF: 13.6/19

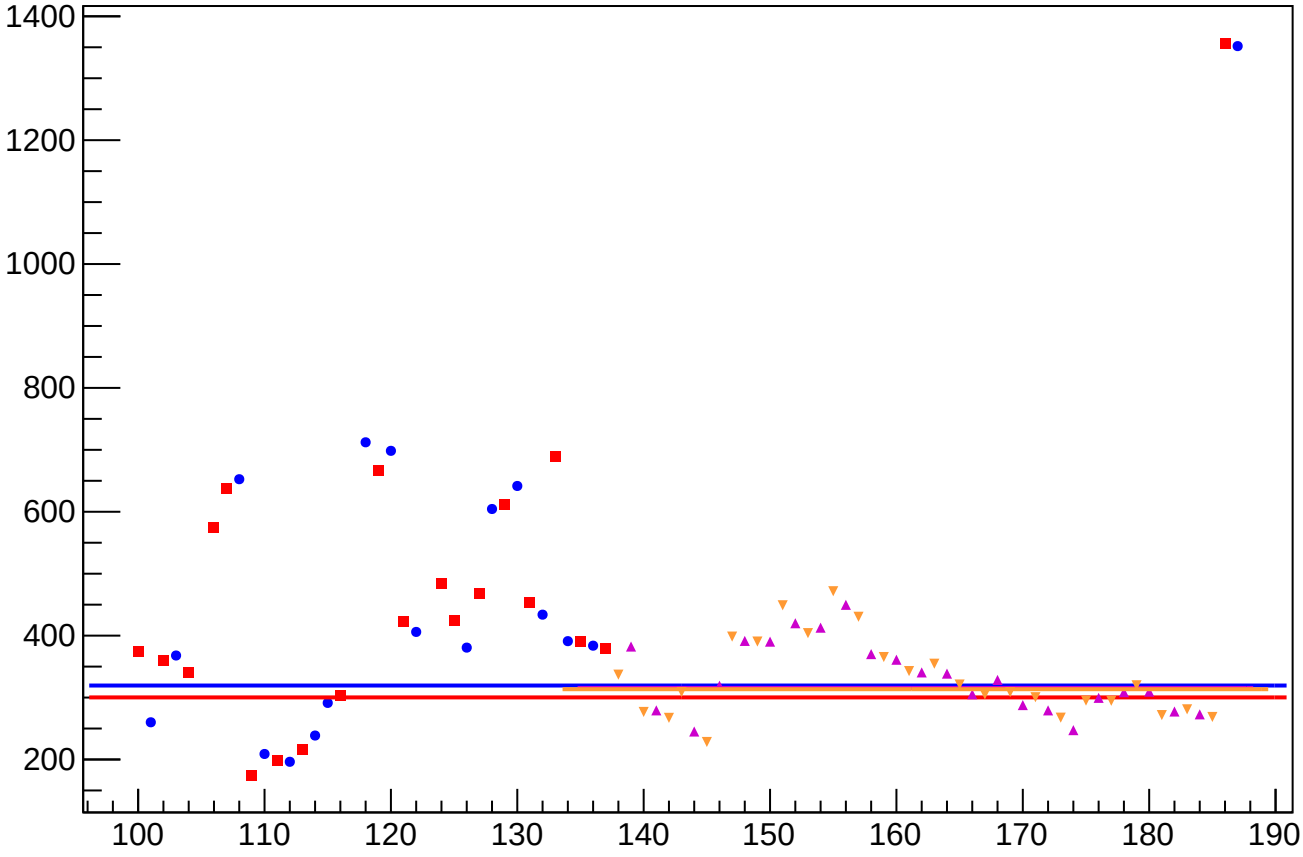
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -252.625+/-63.148 χ^2/NDF: 80.3/41

All: -173.260+/-44.786 χ^2/NDF: 129.2/84

- sign -92.940+/-63.527 χ^2/NDF: 45.7/42

asym_sam7_dit_correction_rms vs Slug



Right In: 319.422+/-0.091 χ^2/NDF: 2356696.6/16

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 300.247+/-0.085 χ^2/NDF: 3034160.3/19

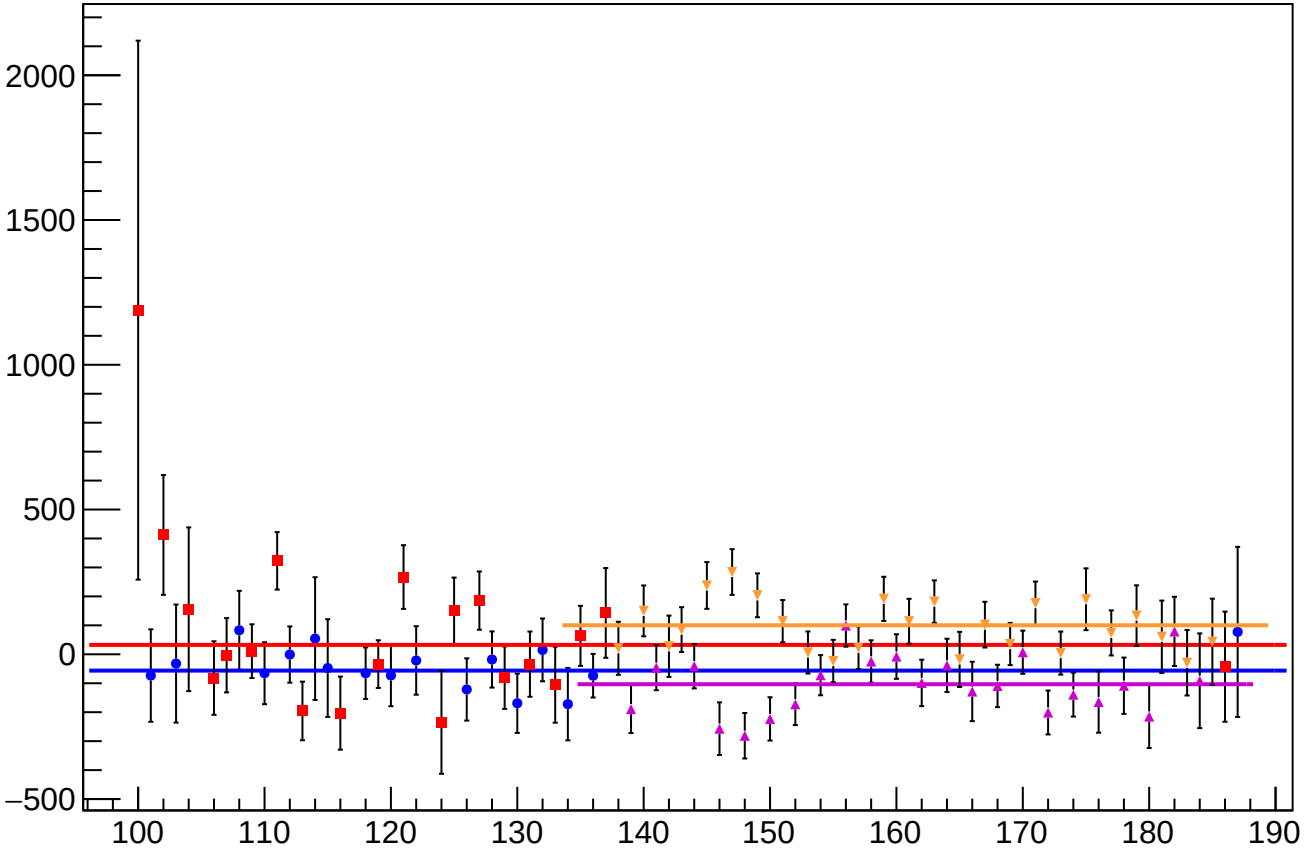
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 314.934+/-0.045 χ^2/NDF: 3535454.1/41

All: 313.072+/-0.032 χ^2/NDF: 7604771.4/84

- sign 311.188+/-0.045 χ^2/NDF: 4065819.6/42

eigen_dit_asym_sam7_mean vs Slug



Right In: -56.311+/-27.959 χ^2/NDF: 5.1/16

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 32.473+/-27.118 χ^2/NDF: 37.3/19

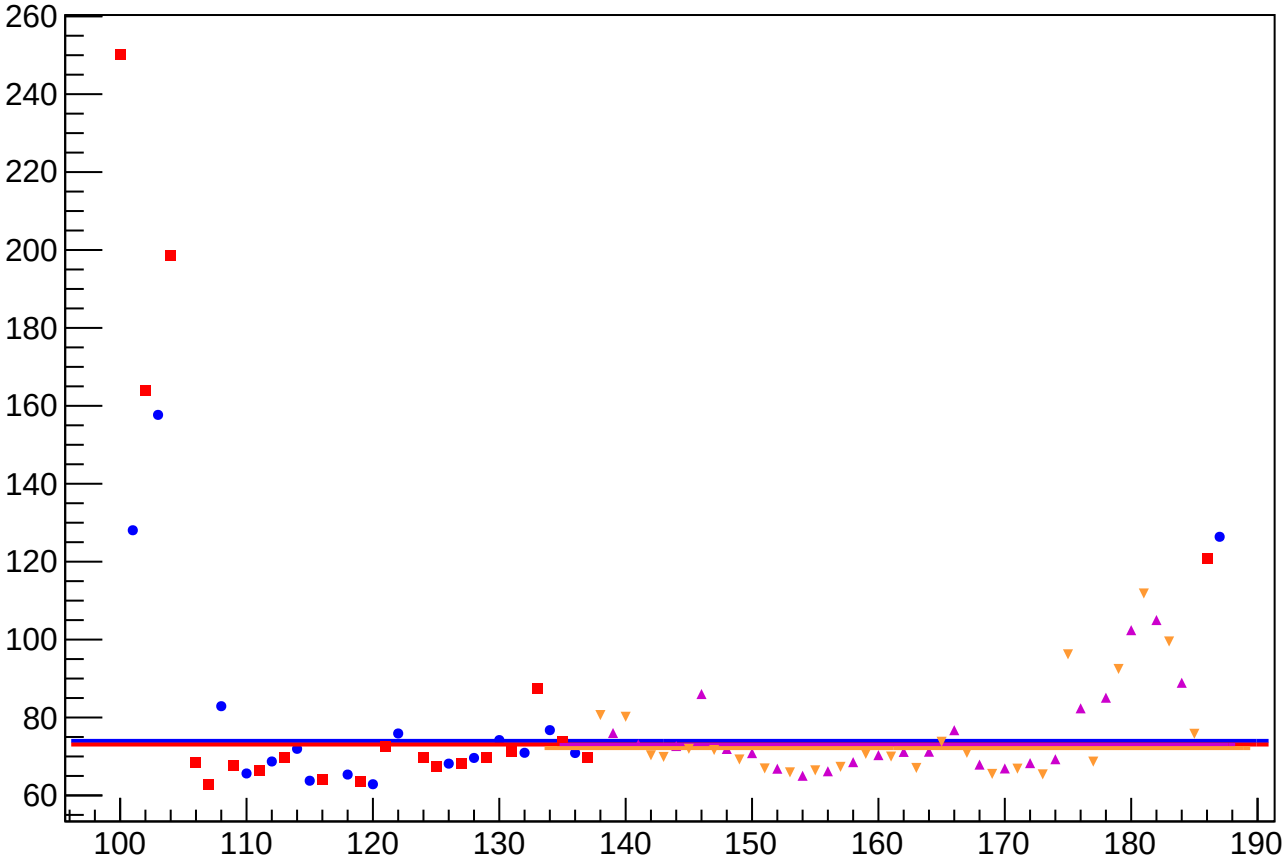
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 59.374+/-14.290 χ^2/NDF: 56.0/41

All: -1.250+/-10.199 χ^2/NDF: 180.5/84

- sign -64.199+/-14.561 χ^2/NDF: 87.9/42

eigen_dit_asym_sam7_rms vs Slug



Right In: 73.998+/-0.020 χ^2/NDF: 721023.7/16

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

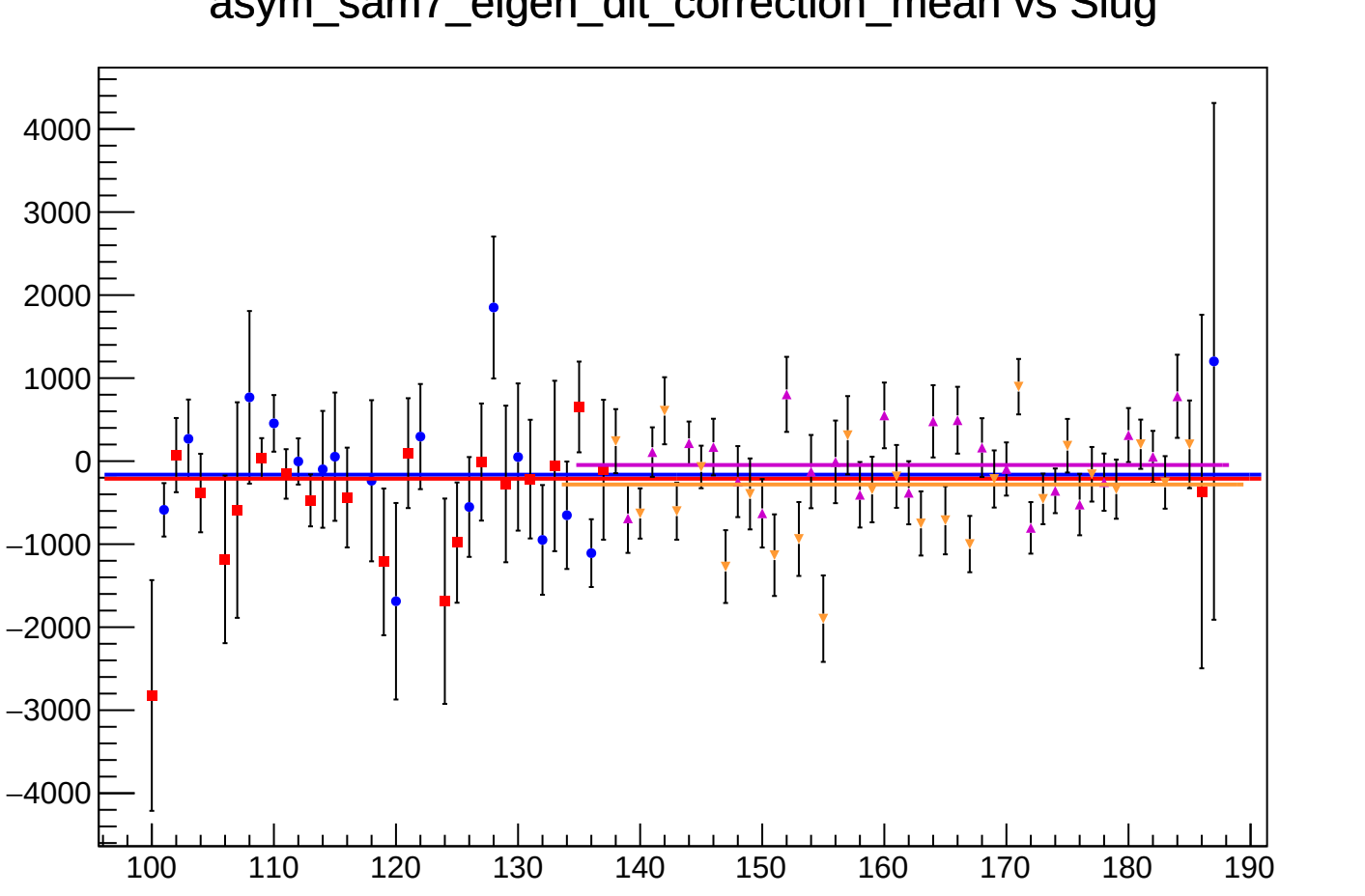
Right Out: 73.064+/-0.019 χ^2/NDF: 1086979.6/19

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 72.632+/-0.010 χ^2/NDF: 1369446.6/41

All: 72.804+/-0.007 χ^2/NDF: 2966066.6/84

- sign 72.982+/-0.010 χ^2/NDF: 1596034.2/42



Right In: -163.173+/-128.327 χ^2/NDF: 22.8/16

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -211.837+/-119.930 χ^2/NDF: 13.6/19

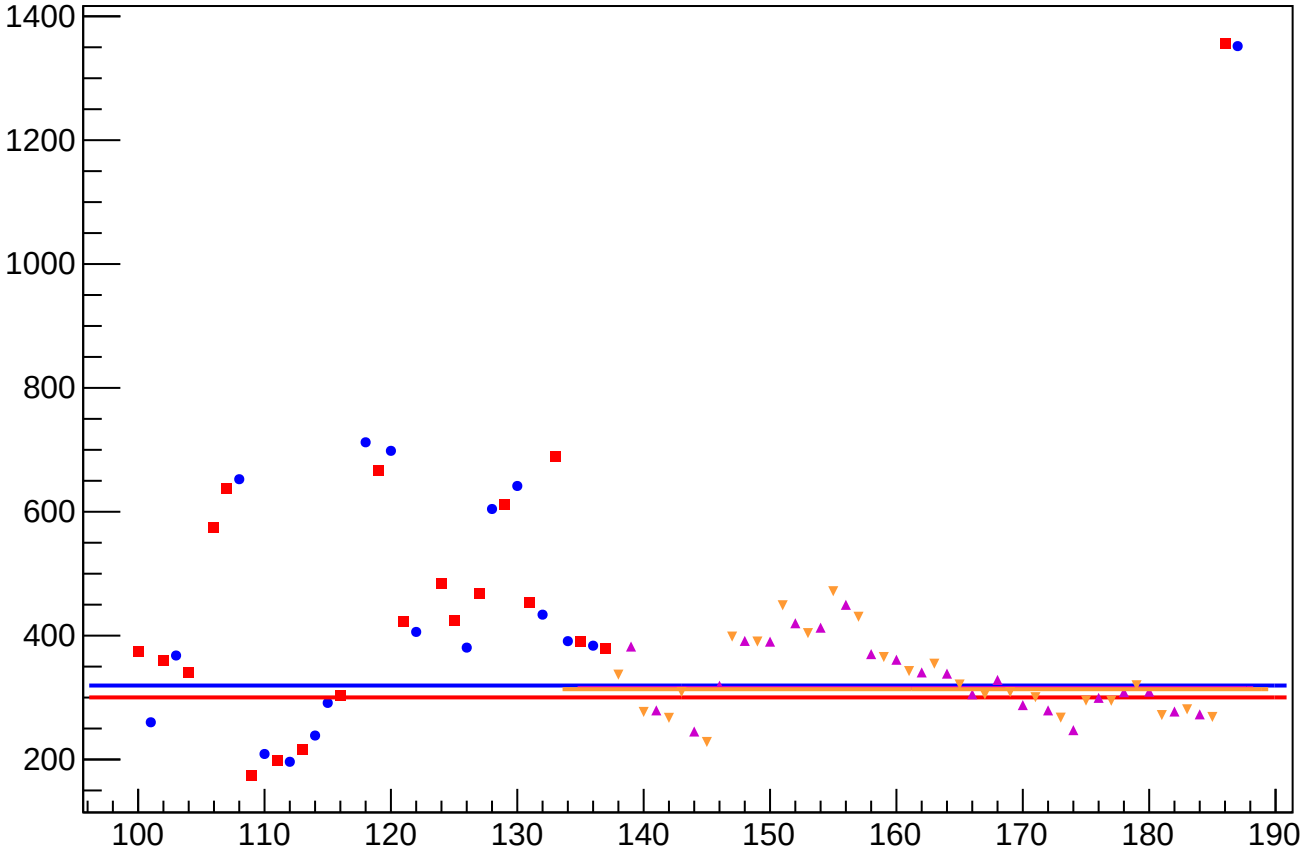
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -252.624+/-63.148 χ^2/NDF: 80.3/41

All: -173.260+/-44.786 χ^2/NDF: 129.2/84

- sign -92.939+/-63.527 χ^2/NDF: 45.7/42

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 319.420+/-0.091 χ^2/NDF: 2356728.8/16

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 300.246+/-0.085 χ^2/NDF: 3034172.6/19

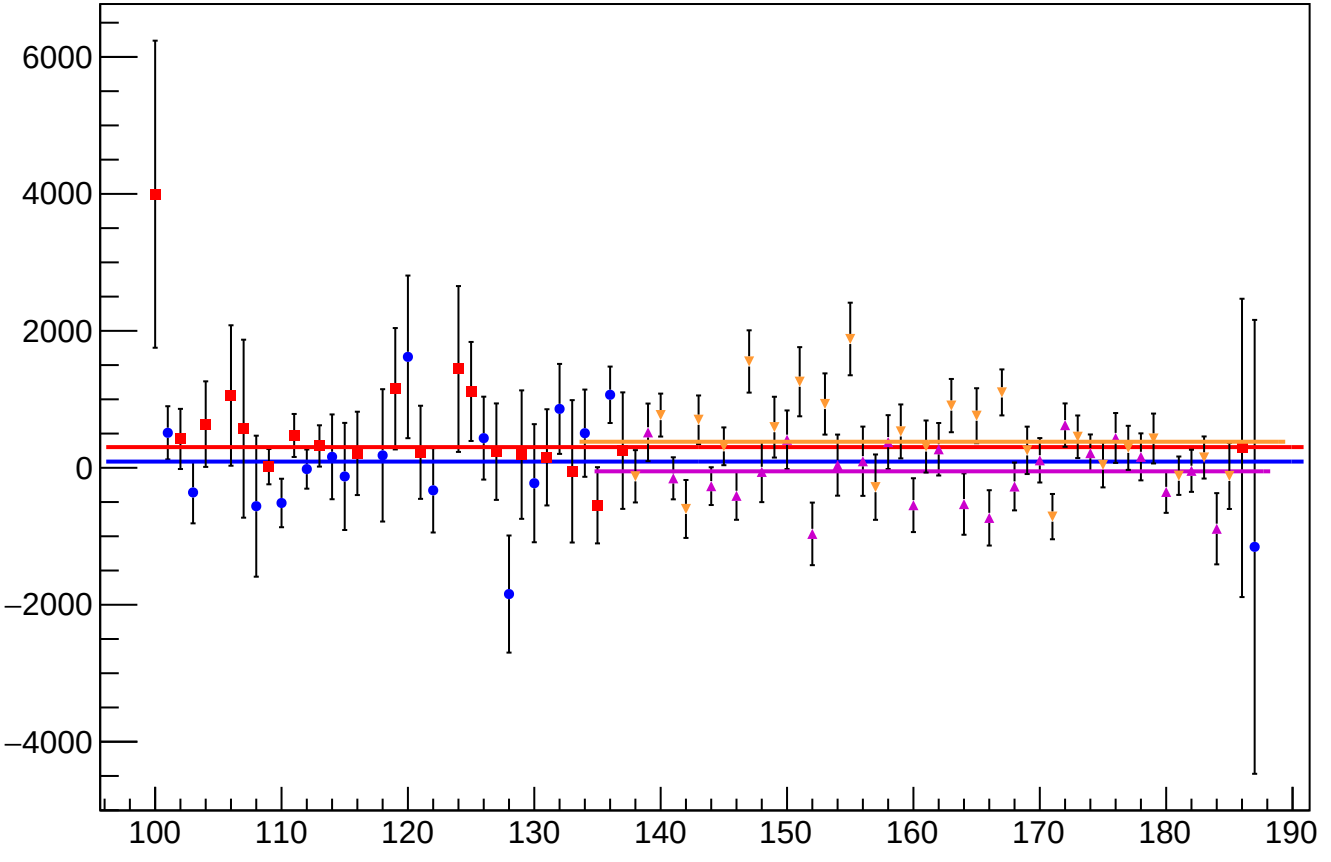
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 314.934+/-0.045 χ^2/NDF: 3535489.0/41

All: 313.072+/-0.032 χ^2/NDF: 7604822.4/84

- sign 311.188+/-0.045 χ^2/NDF: 4065836.1/42

asym_sam7_mean vs Slug



Right In: 90.830+/-131.823 χ^2/NDF: 21.0/16

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 302.235+/-123.716 χ^2/NDF: 10.8/19

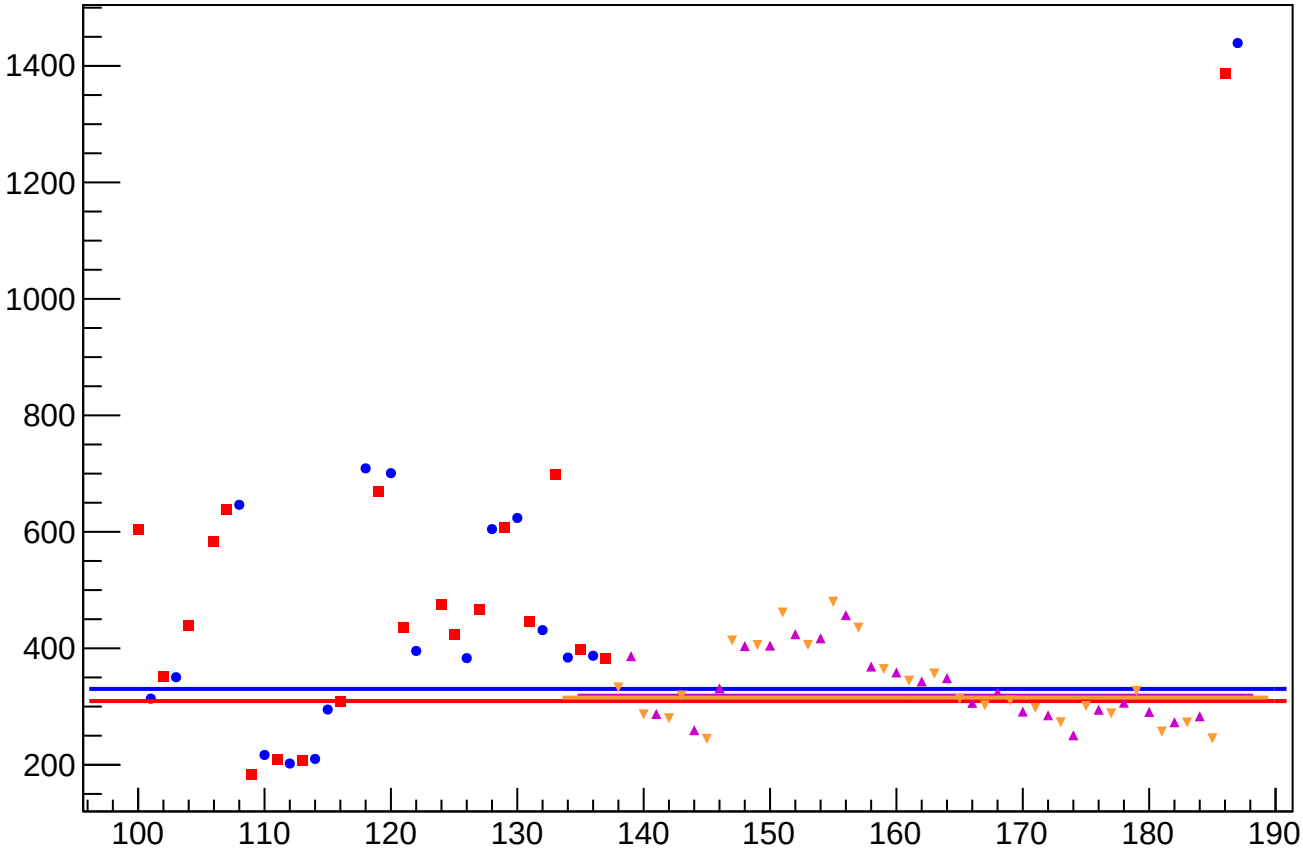
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 312.531+/-63.900 χ^2/NDF: 80.1/41

All: 179.949+/-45.404 χ^2/NDF: 133.7/84

- sign 44.749+/-64.527 χ^2/NDF: 45.0/42

asym_sam7_rms vs Slug



Right In: 330.324+/-0.093 χ^2/NDF: 2183171.7/16

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 309.478+/-0.087 χ^2/NDF: 3019120.8/19

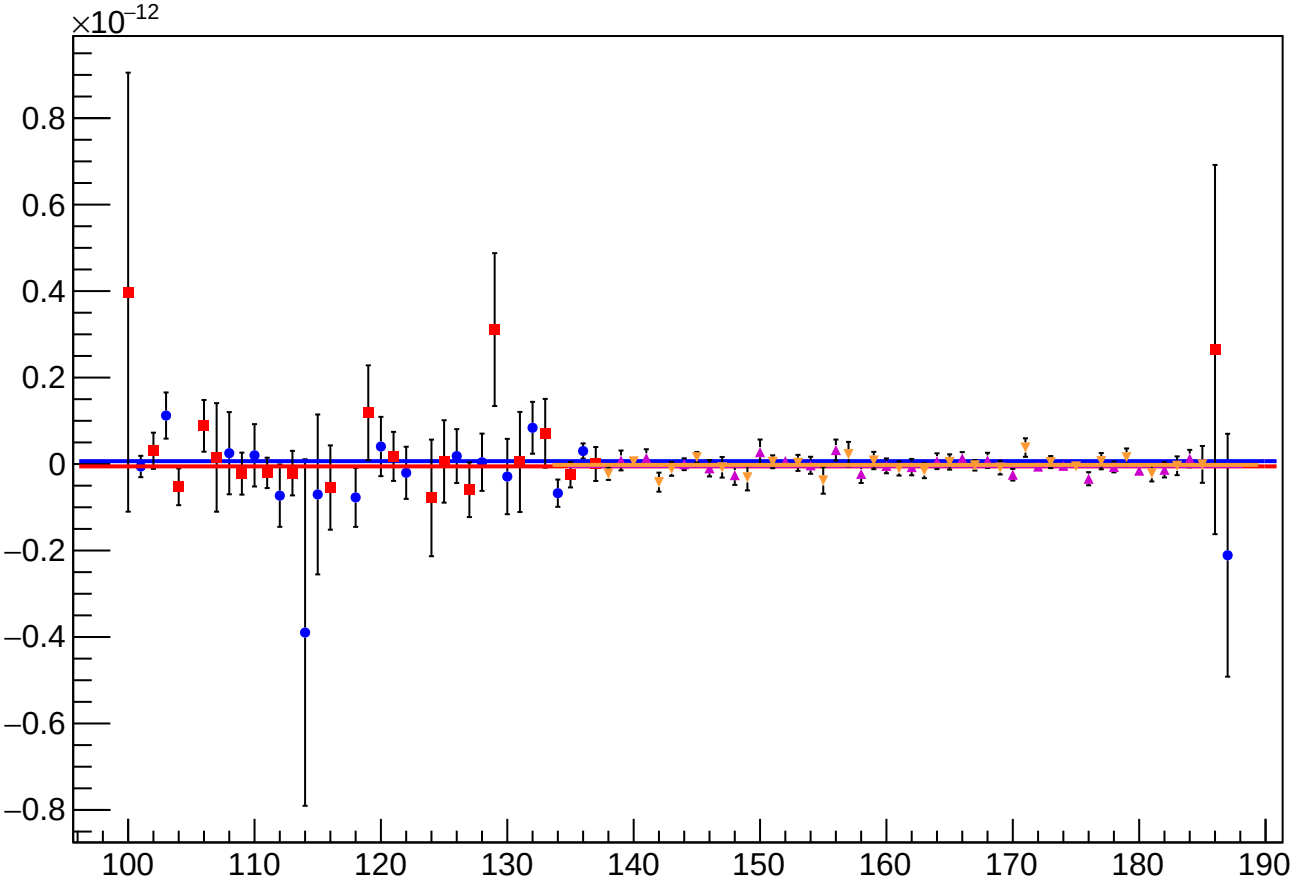
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

\+ sign 318.903+/-0.045 χ^2/NDF: 3412899.9/41

All: 317.556+/-0.032 χ^2/NDF: 7433489.8/84

\- sign 316.183+/-0.046 χ^2/NDF: 4018795.0/42

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

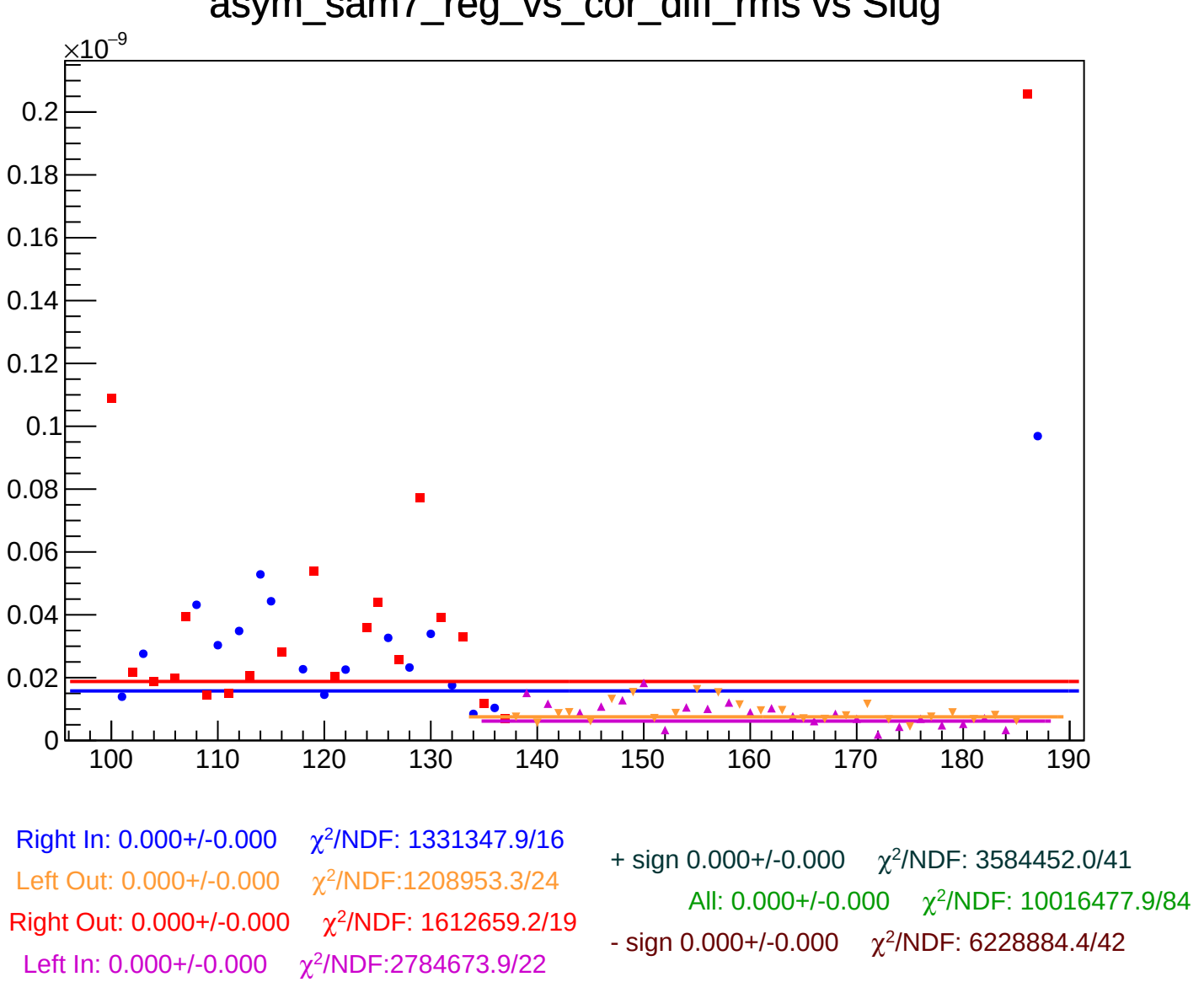
Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/19

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

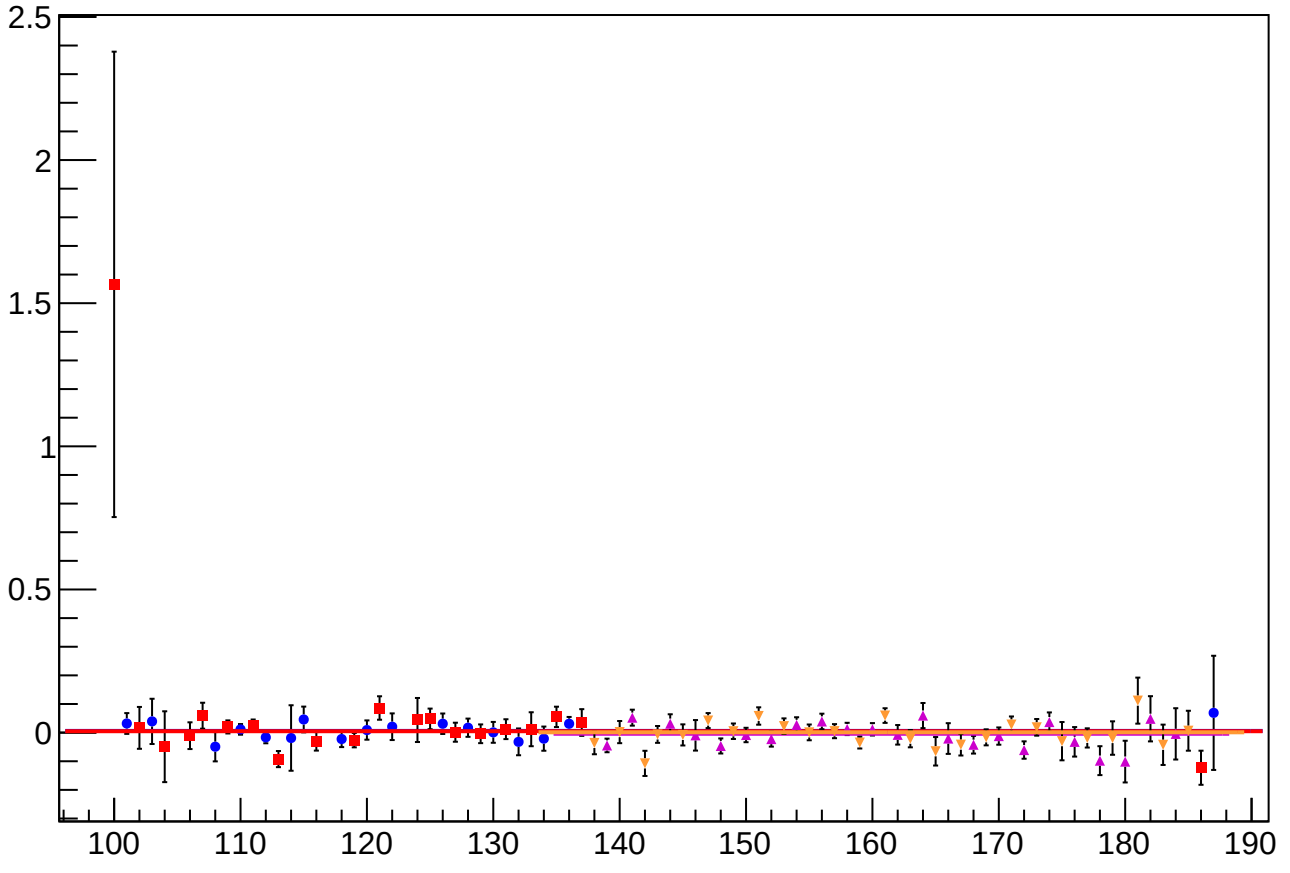
+ sign -0.000+/-0.000 χ^2/NDF: 37.9/41

All: -0.000+/-0.000 χ^2/NDF: 69.4/84

- sign -0.000+/-0.000 χ^2/NDF: 30.9/42


asym_sam7_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1331347.9/16
Left Out: 0.000+/-0.000 χ²/NDF:1208953.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 1612659.2/19
Left In: 0.000+/-0.000 χ²/NDF:2784673.9/22
+ sign 0.000+/-0.000 χ²/NDF: 3584452.0/41
All: 0.000+/-0.000 χ²/NDF: 10016477.9/84
- sign 0.000+/-0.000 χ²/NDF: 6228884.4/42

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/19

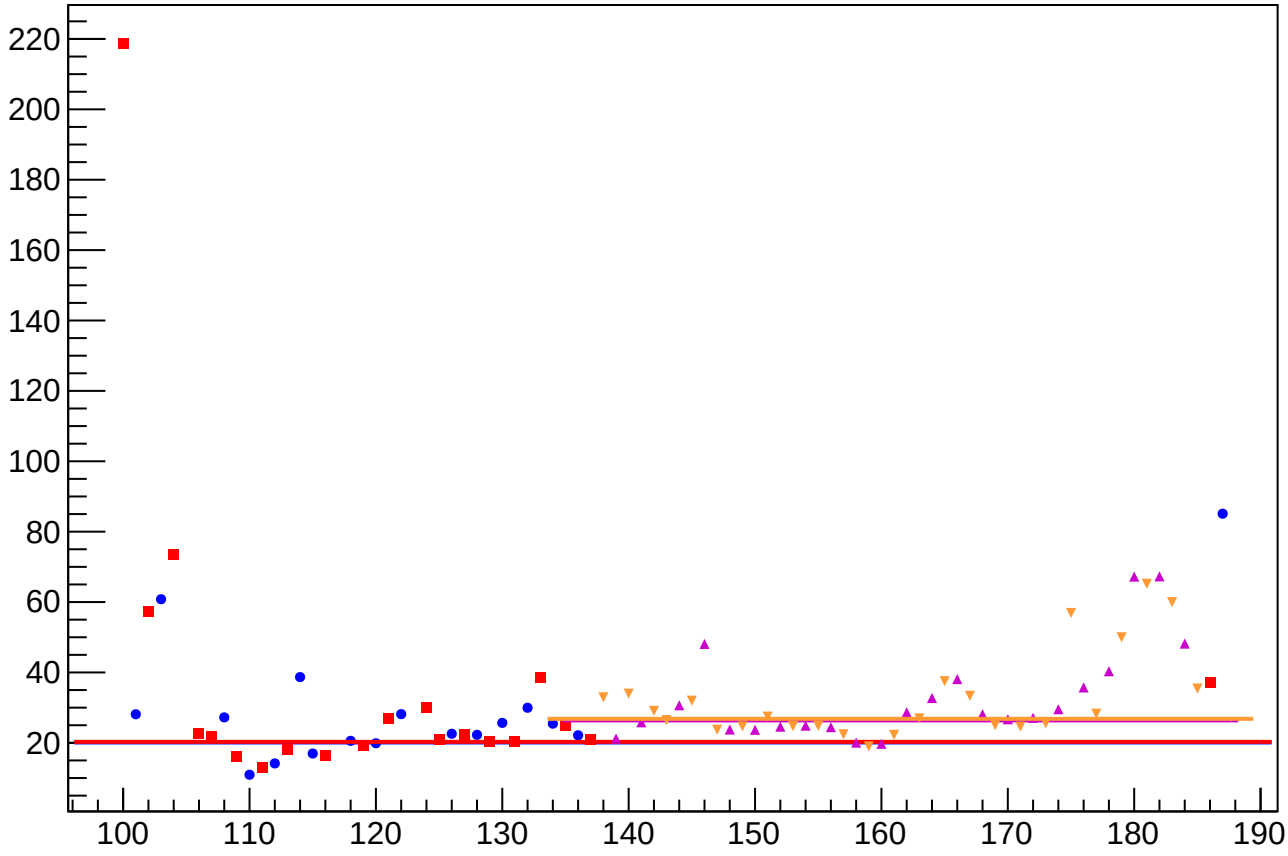
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.5/41

All: 0.001+/-0.004 χ^2/NDF: 105.0/84

- sign -0.000+/-0.005 χ^2/NDF: 66.4/42

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 20.109+/-0.006 χ^2/NDF: 1854196.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.277+/-0.006 χ^2/NDF: 1882591.8/19

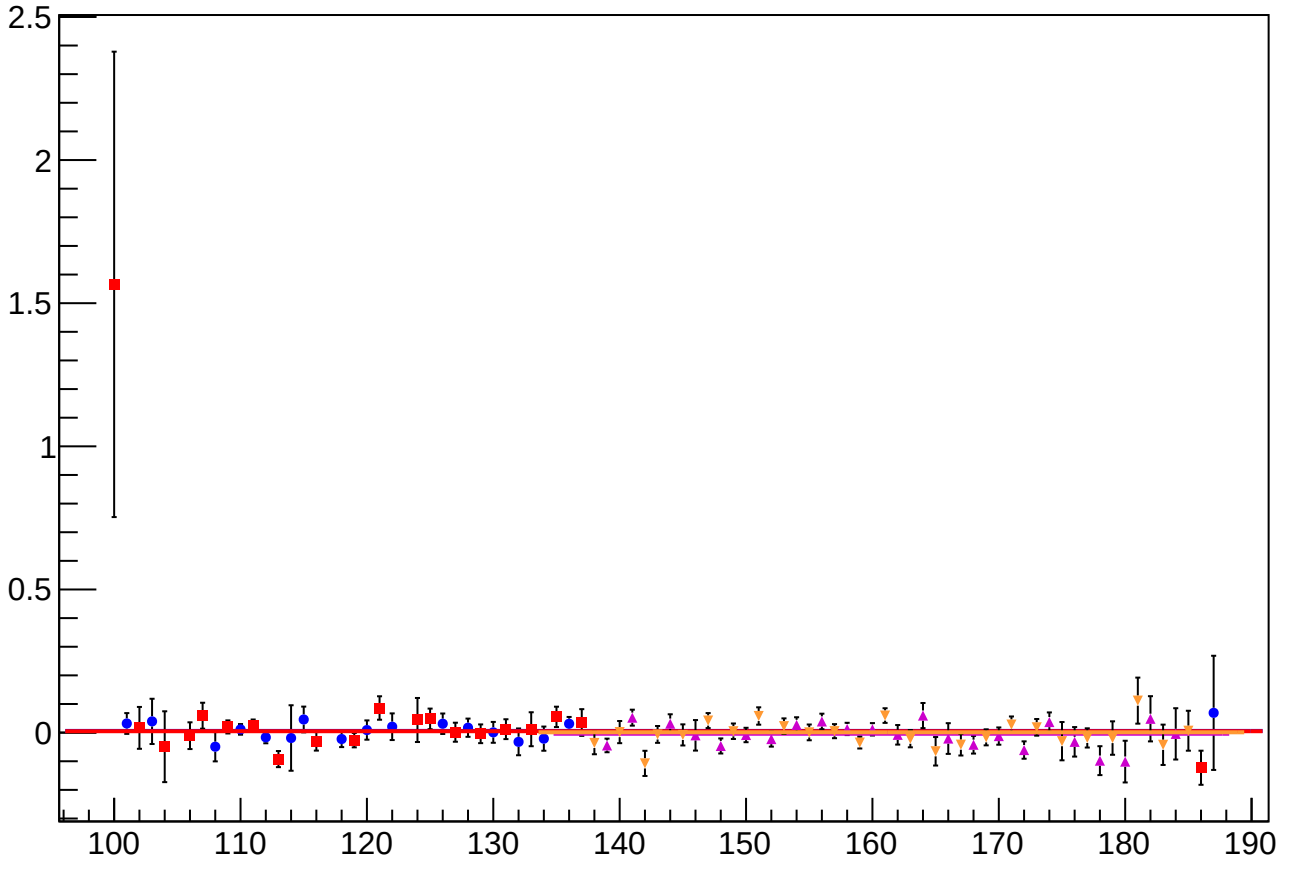
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.218+/-0.004 χ^2/NDF: 5152074.8/41

All: 24.066+/-0.003 χ^2/NDF: 10294065.5/84

- sign 23.912+/-0.004 χ^2/NDF: 5138377.3/42

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/19

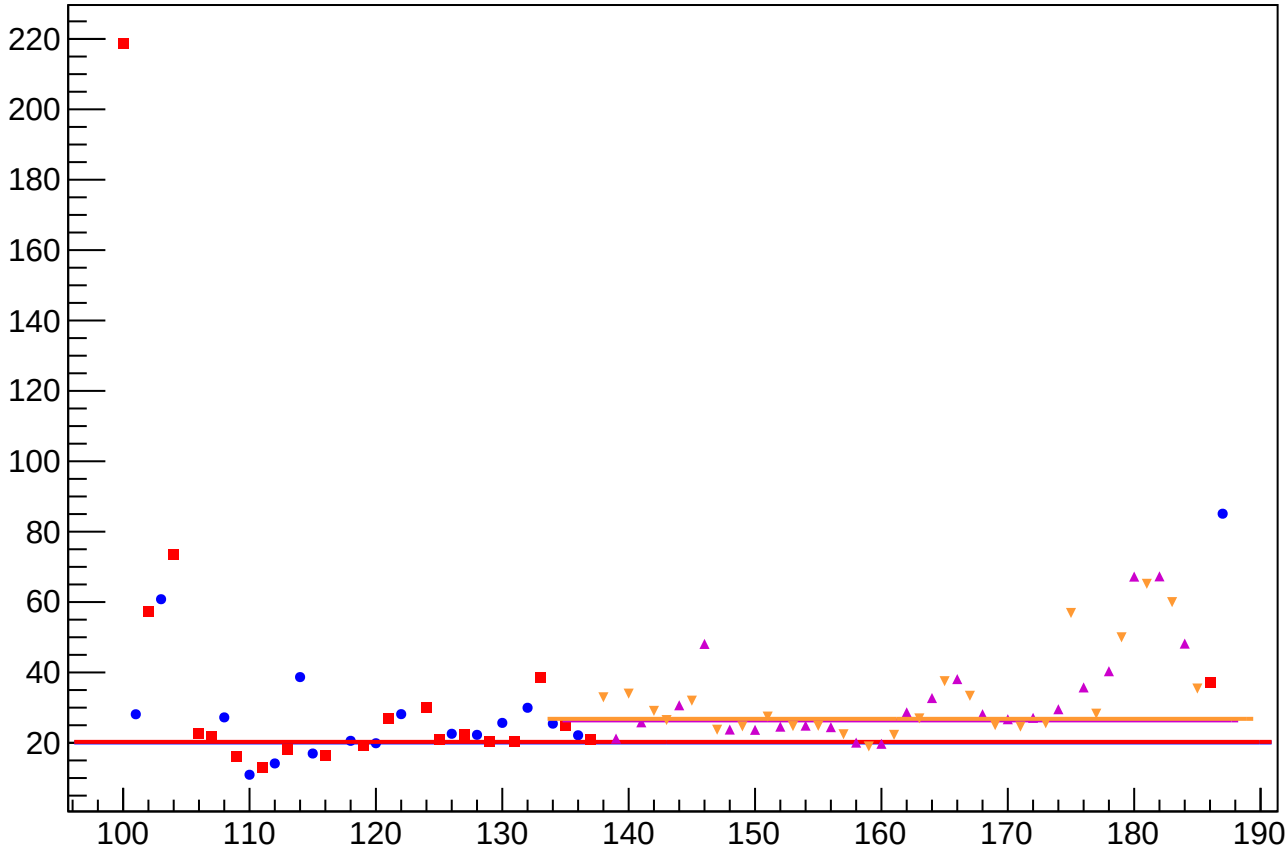
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.5/41

All: 0.001+/-0.004 χ^2/NDF: 105.0/84

- sign -0.000+/-0.005 χ^2/NDF: 66.4/42

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.109+/-0.006 χ^2/NDF: 1854196.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

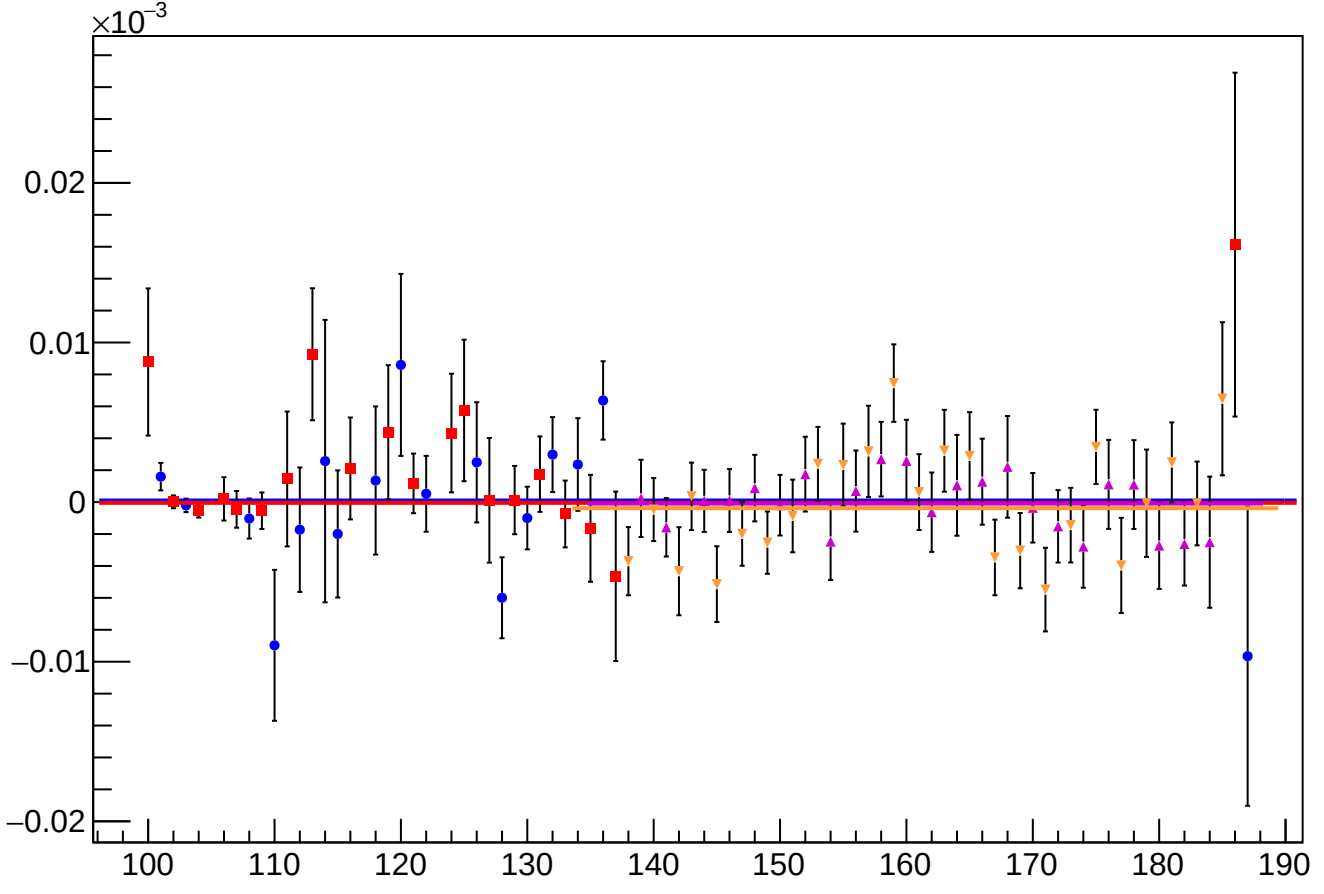
Right Out: 20.277+/-0.006 χ^2/NDF: 1882591.8/19

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.218+/-0.004 χ^2/NDF: 5152074.8/41

All: 24.066+/-0.003 χ^2/NDF: 10294065.5/84

- sign 23.912+/-0.004 χ^2/NDF: 5138377.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/19

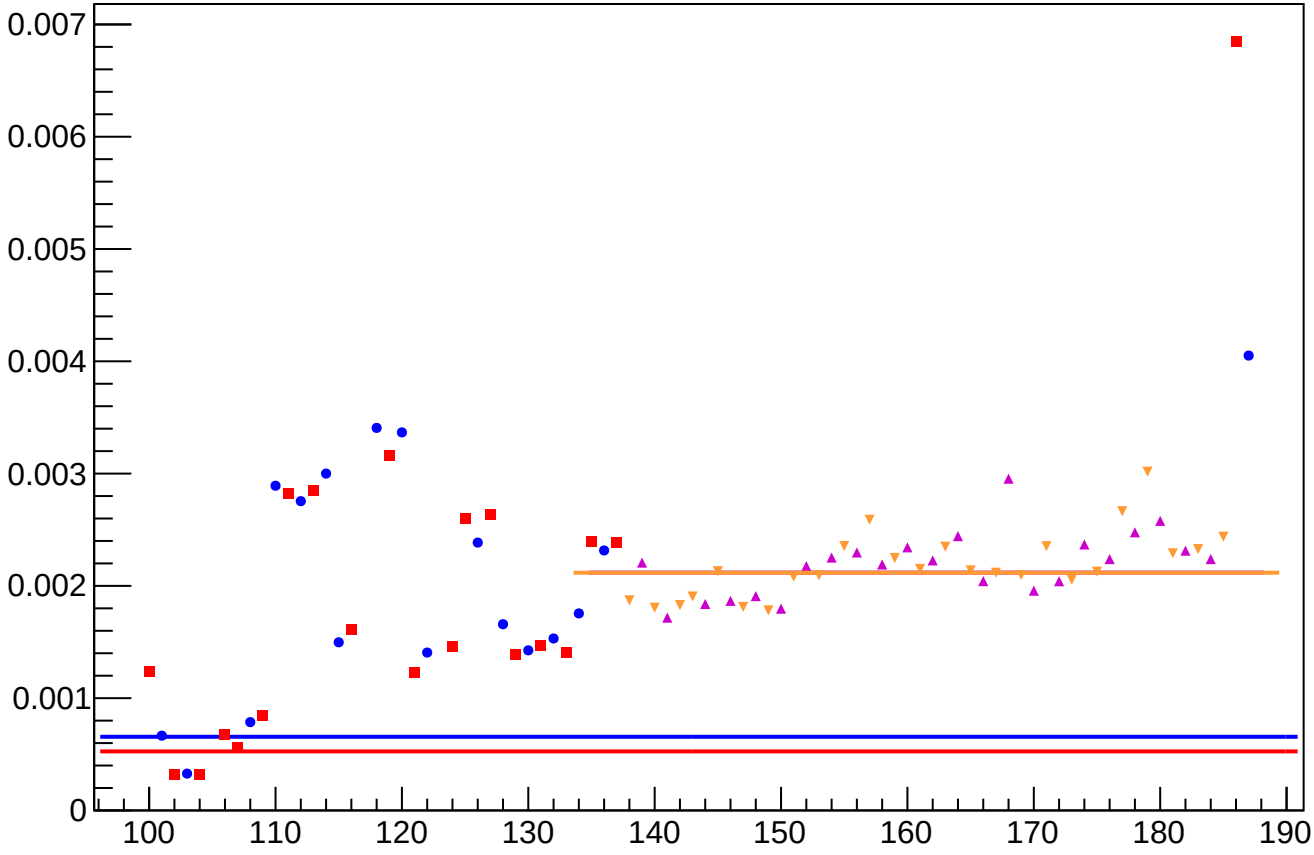
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.9/41

All: -0.000+/-0.000 χ^2/NDF: 100.5/84

- sign -0.000+/-0.000 χ^2/NDF: 29.5/42

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6620129.5/16

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7365911.3/19

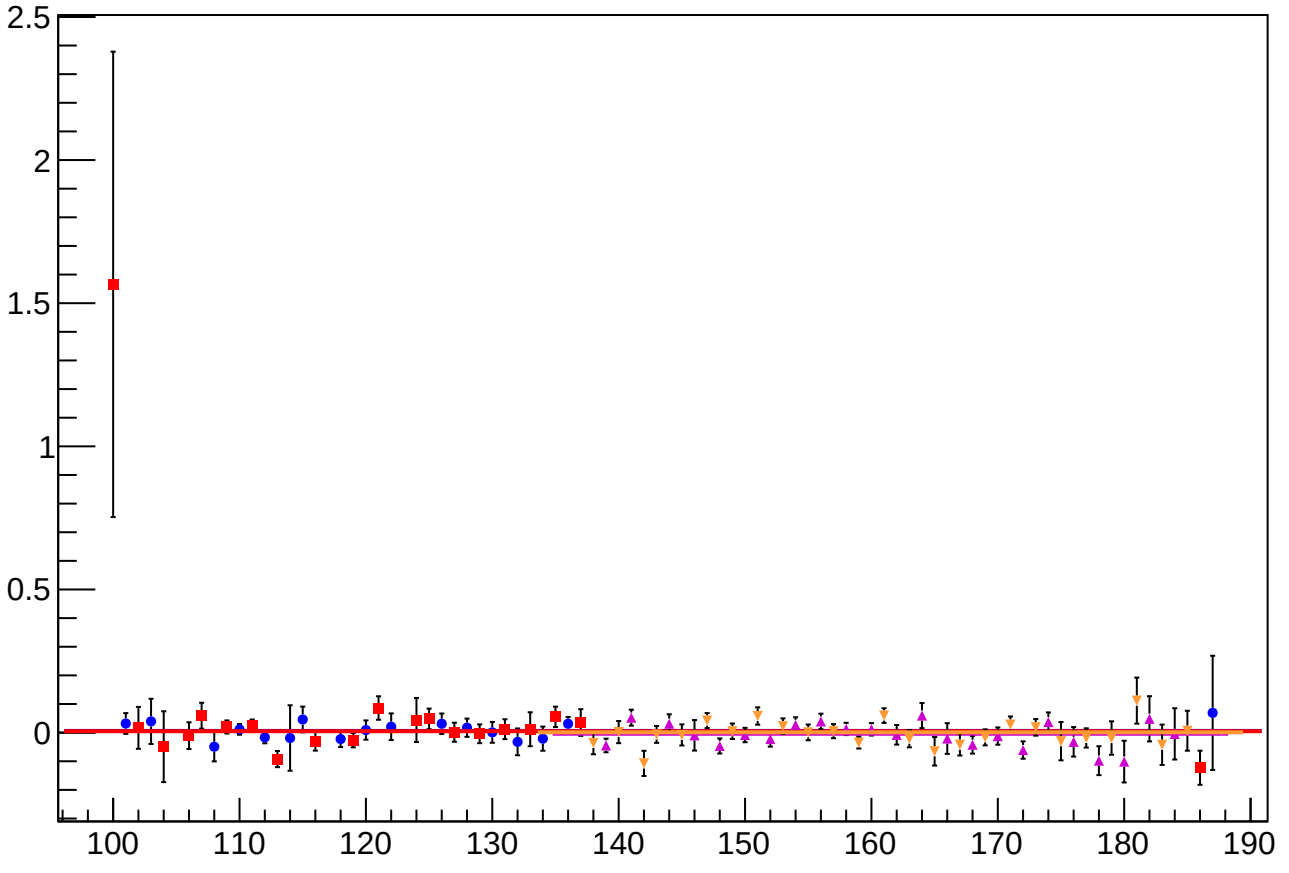
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 19481236.8/41

All: 0.001+/-0.000 χ^2/NDF: 44416143.3/84

- sign 0.001+/-0.000 χ^2/NDF: 23904092.0/42

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/19

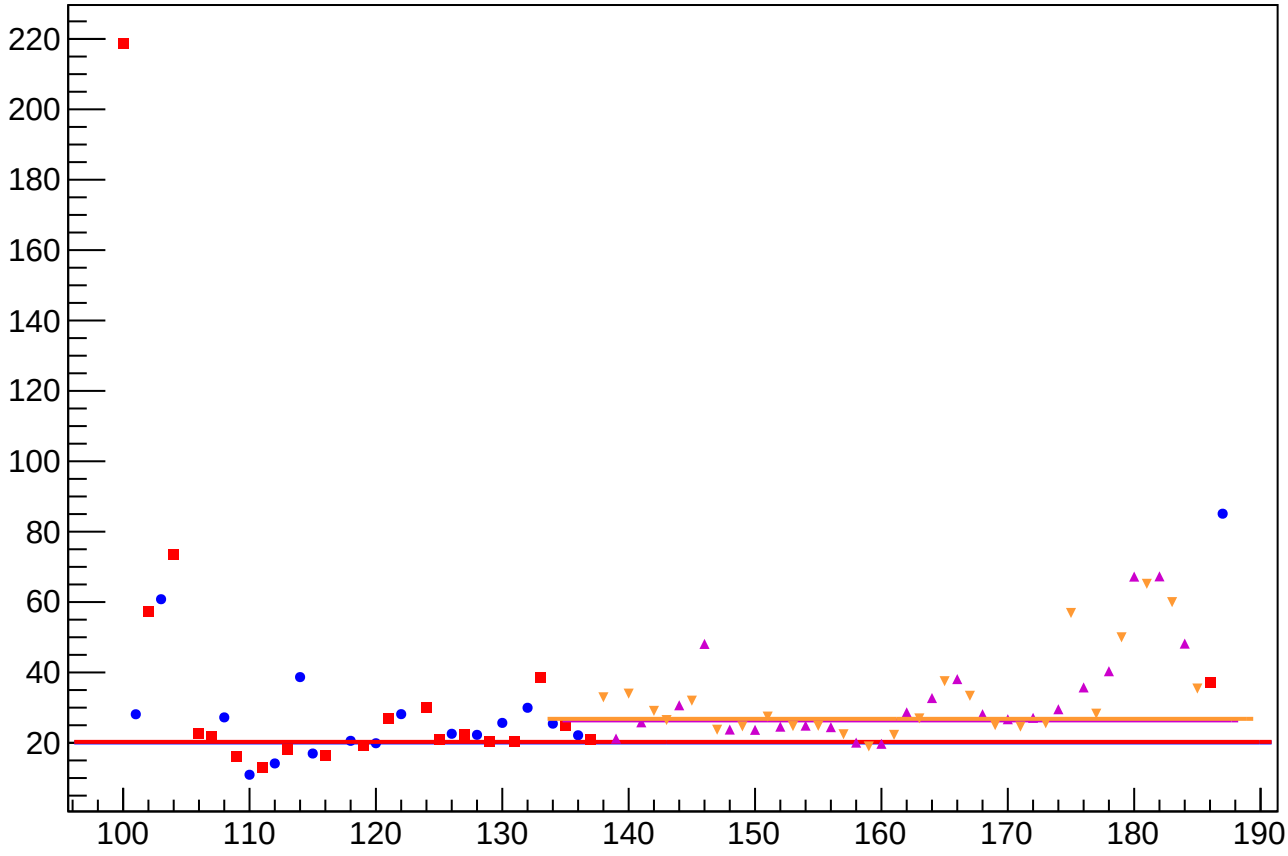
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.5/41

All: 0.001+/-0.004 χ^2/NDF: 105.0/84

- sign -0.000+/-0.005 χ^2/NDF: 66.4/42

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.109+/-0.006 χ^2/NDF: 1854025.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

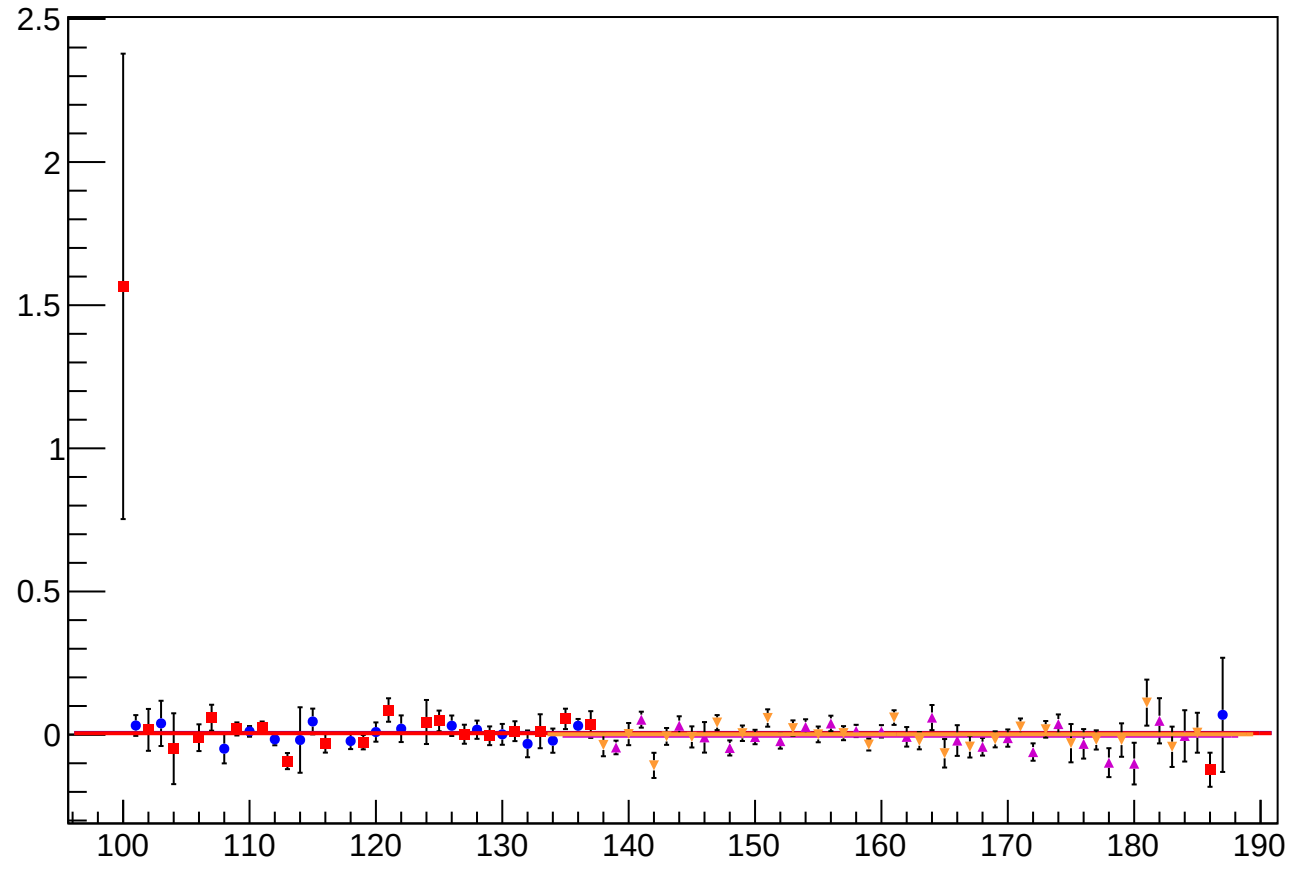
Right Out: 20.277+/-0.006 χ^2/NDF: 1882480.7/19

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.219+/-0.004 χ^2/NDF: 5151823.1/41

All: 24.066+/-0.003 χ^2/NDF: 10293751.6/84

- sign 23.913+/-0.004 χ^2/NDF: 5138310.5/42



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

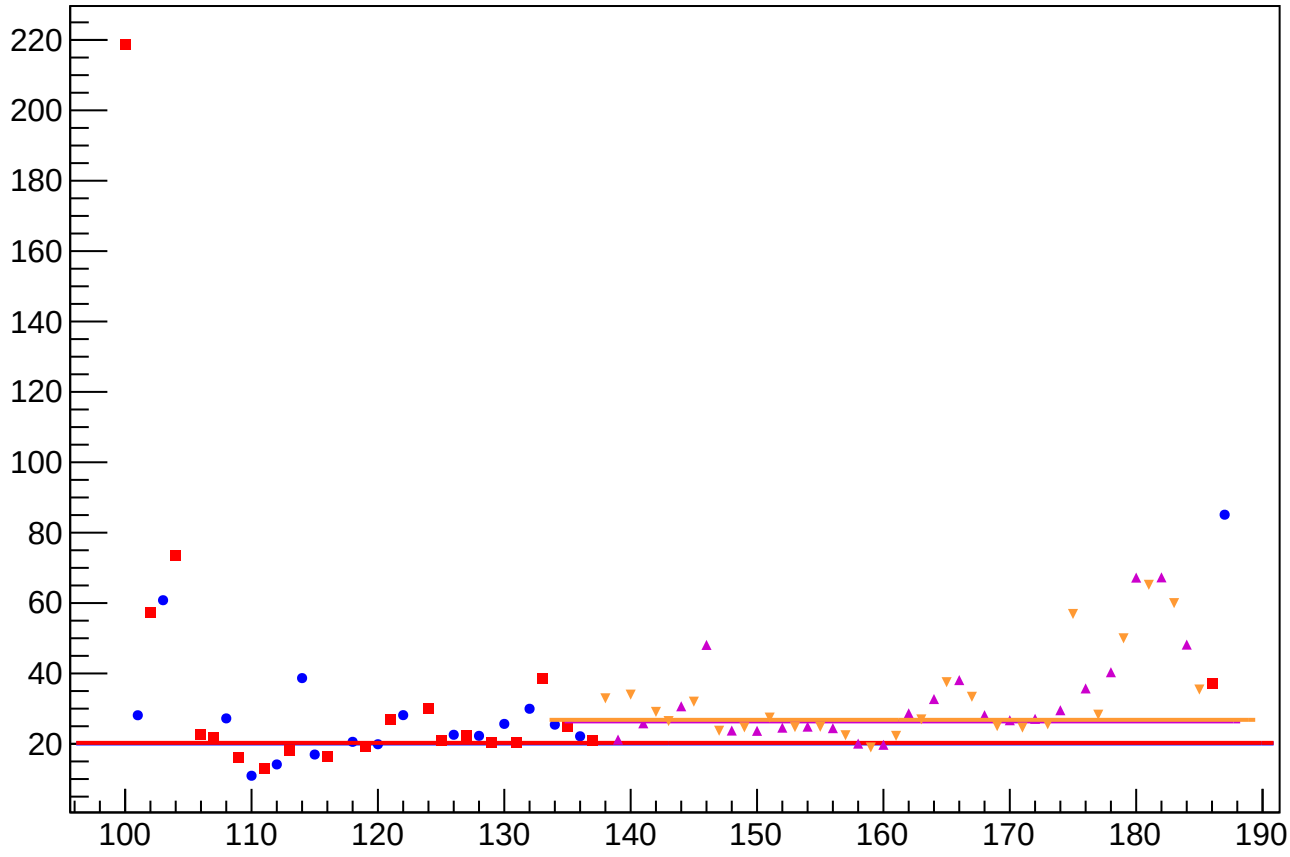
Right Out: 0.005+/-0.008 χ^2/NDF: 34.5/19

Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 38.5/41

All: 0.001+/-0.004 χ^2/NDF: 105.0/84

- sign -0.000+/-0.005 χ^2/NDF: 66.4/42



Right In: 20.109+/-0.006 χ^2/NDF: 1854025.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

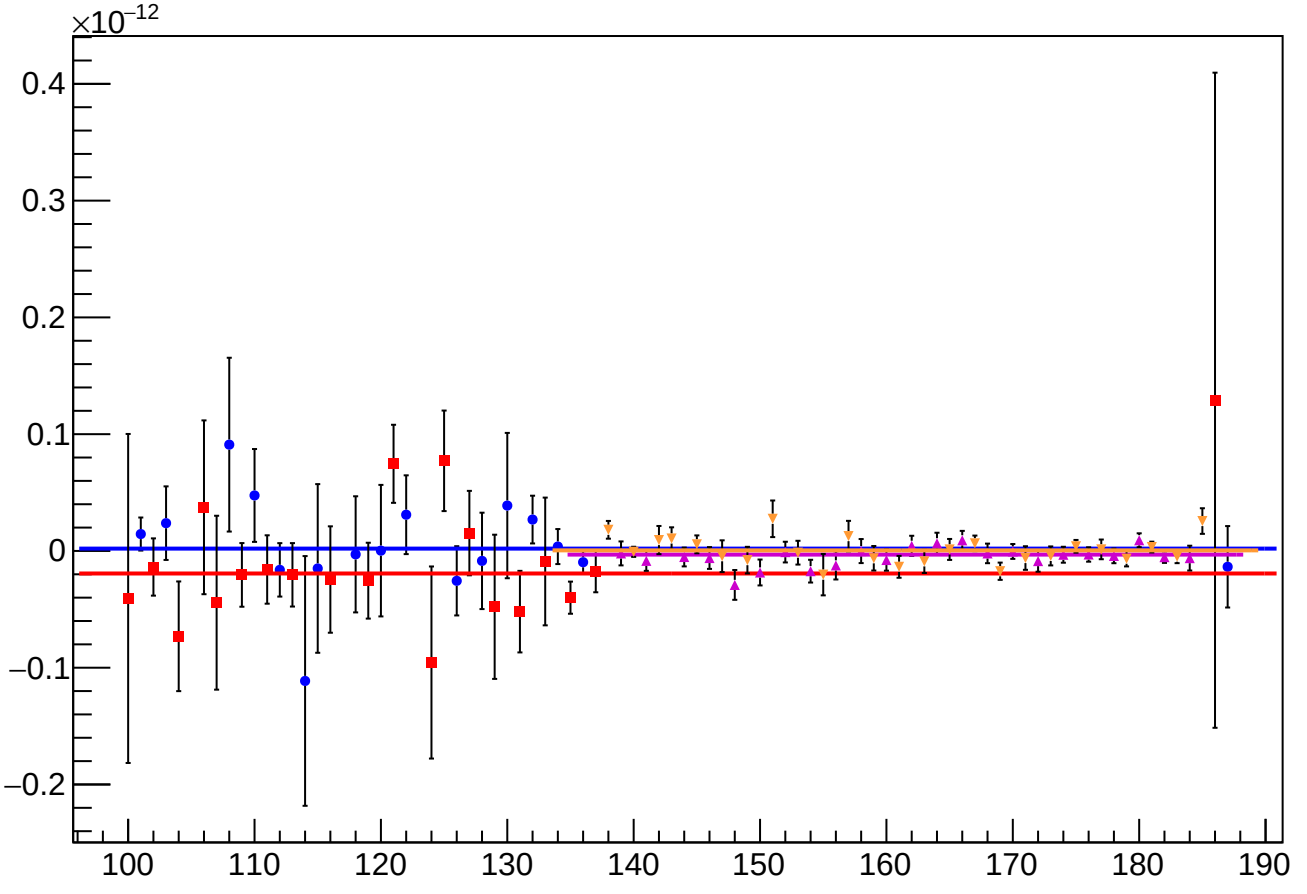
Right Out: 20.277+/-0.006 χ^2/NDF: 1882480.7/19

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.219+/-0.004 χ^2/NDF: 5151823.1/41

All: 24.066+/-0.003 χ^2/NDF: 10293751.6/84

- sign 23.913+/-0.004 χ^2/NDF: 5138310.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/19

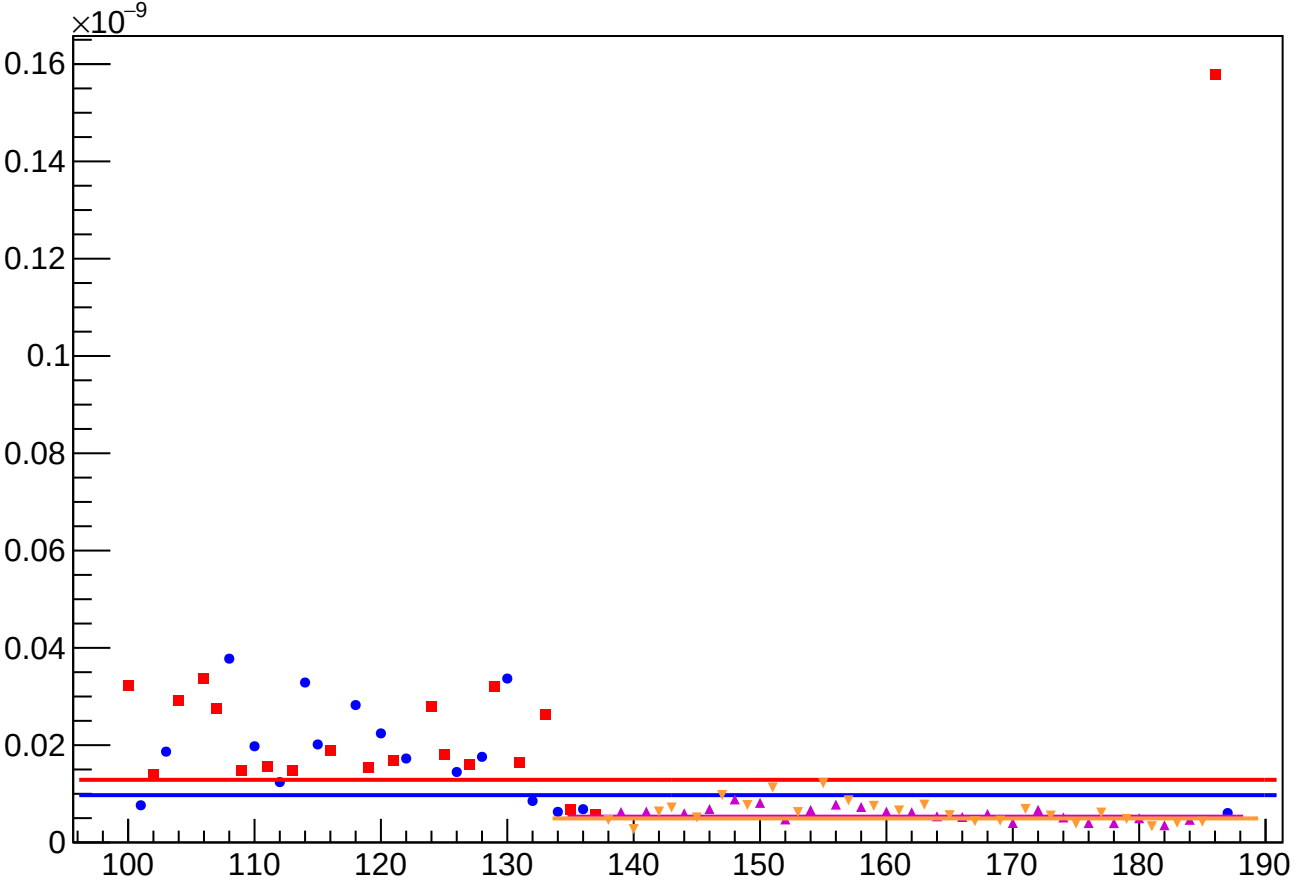
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/41

All: -0.000+/-0.000 χ^2/NDF: 92.6/84

- sign -0.000+/-0.000 χ^2/NDF: 44.6/42

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1999912.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2333084.1/19

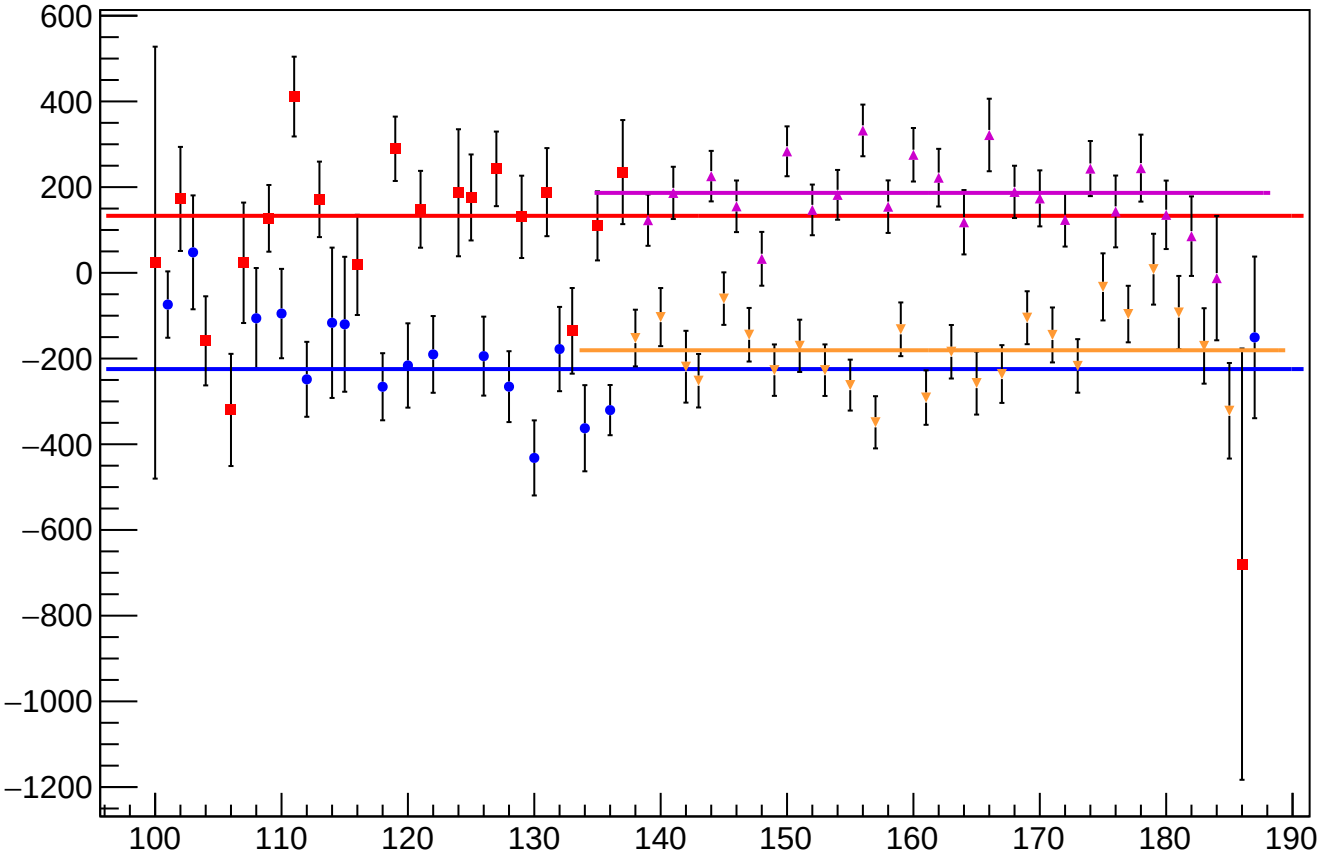
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6083645.4/41

All: 0.000+/-0.000 χ^2/NDF: 11918724.1/84

- sign 0.000+/-0.000 χ^2/NDF: 5763196.9/42

reg_asym_sam8_mean vs Slug



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 133.036+/-23.167 χ^2/NDF: 47.9/19

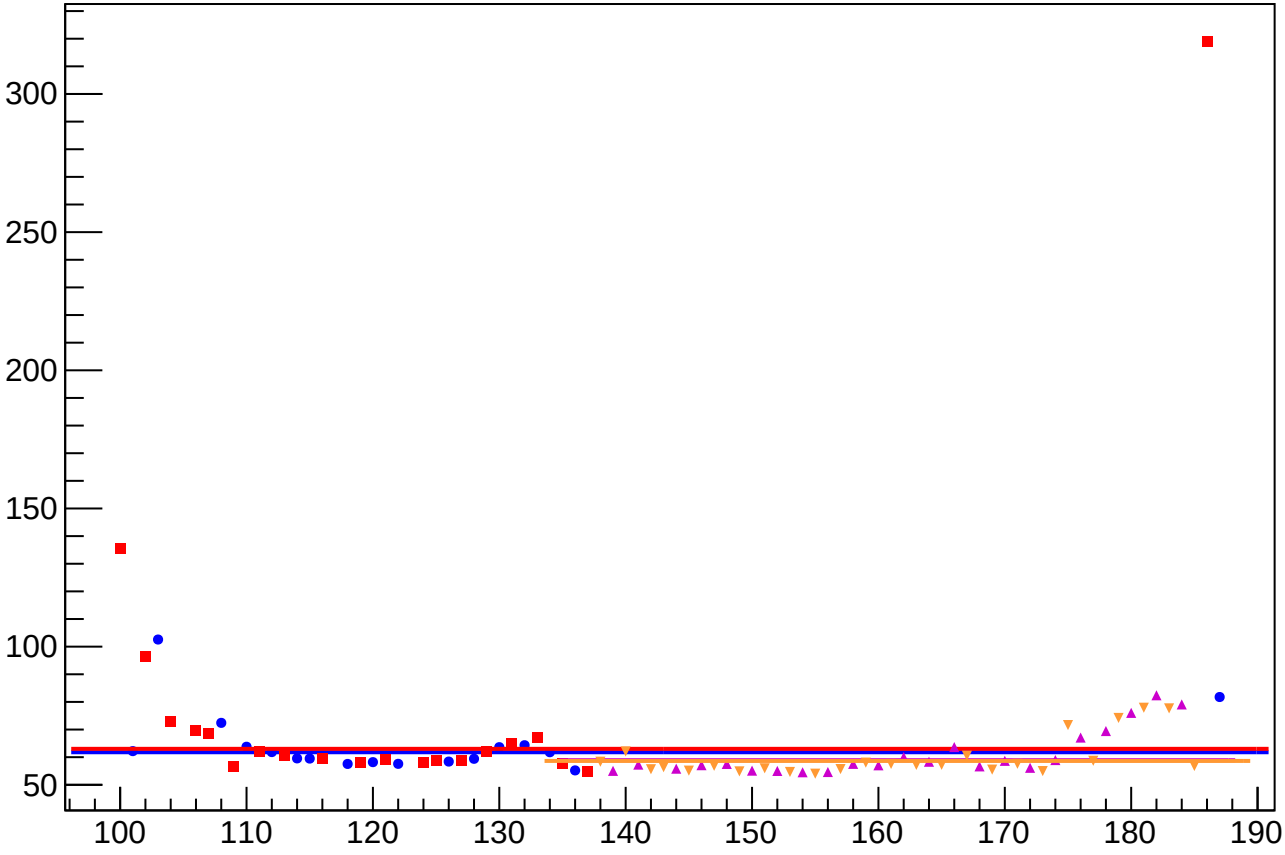
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -191.871+/-11.583 χ^2/NDF: 64.1/41

All: -14.522+/-8.298 χ^2/NDF: 626.4/84

- sign 172.457+/-11.894 χ^2/NDF: 80.8/42

reg_asym_sam8_rms vs Slug



Right In: 61.786+/-0.016 χ^2/NDF: 273464.4/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.019+/-0.016 χ^2/NDF: 799455.8/19

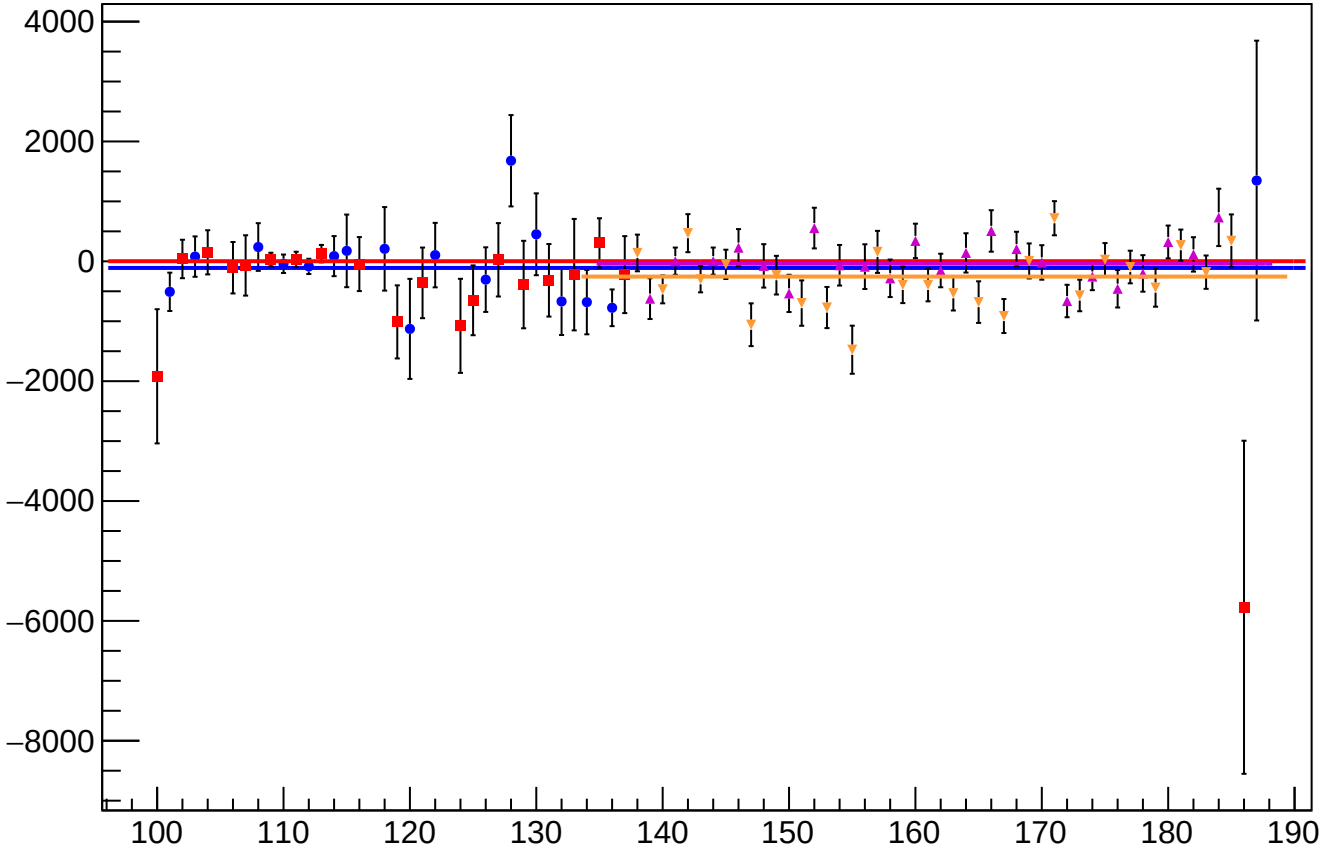
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.445+/-0.008 χ^2/NDF: 695292.6/41

All: 59.710+/-0.006 χ^2/NDF: 1930154.0/84

- sign 59.990+/-0.008 χ^2/NDF: 1232700.8/42

asym_sam8_reg_correction_mean vs Slug



Right In: -110.331+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 1.837+/-63.916 χ^2/NDF: 16.0/19

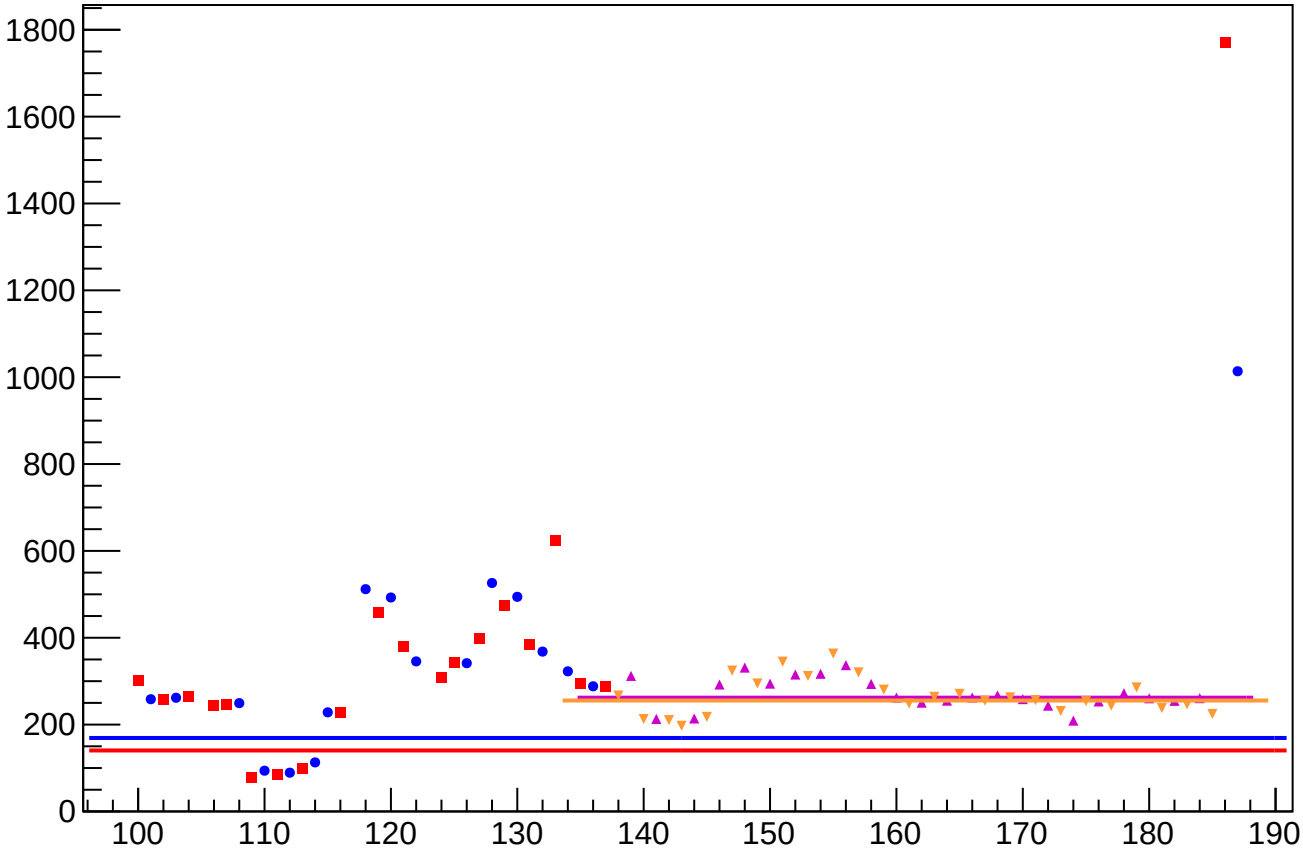
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -200.661+/-46.583 χ^2/NDF: 78.7/41

All: -105.760+/-32.162 χ^2/NDF: 131.2/84

- sign -19.317+/-44.459 χ^2/NDF: 44.5/42

asym_sam8_reg_correction_rms vs Slug



Right In: 169.230+/-0.054 χ^2/NDF: 4806011.4/16

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 140.456+/-0.045 χ^2/NDF: 5842540.3/19

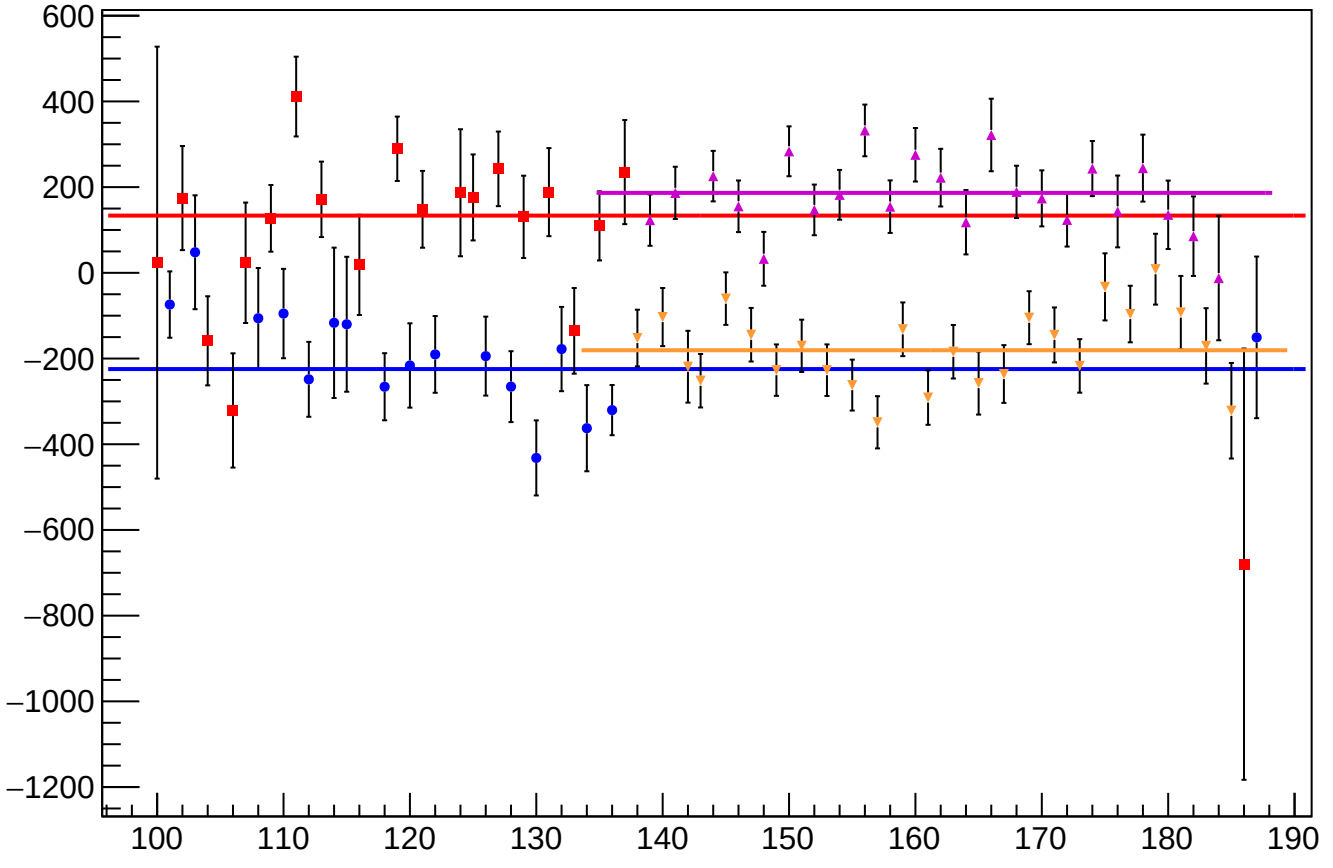
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 223.216+/-0.033 χ^2/NDF: 7274720.8/41

All: 212.739+/-0.023 χ^2/NDF: 17714627.7/84

- sign 203.195+/-0.031 χ^2/NDF: 10246582.4/42

cor_asym_sam8_mean vs Slug



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 133.581+/-23.180 χ^2/NDF: 47.5/19

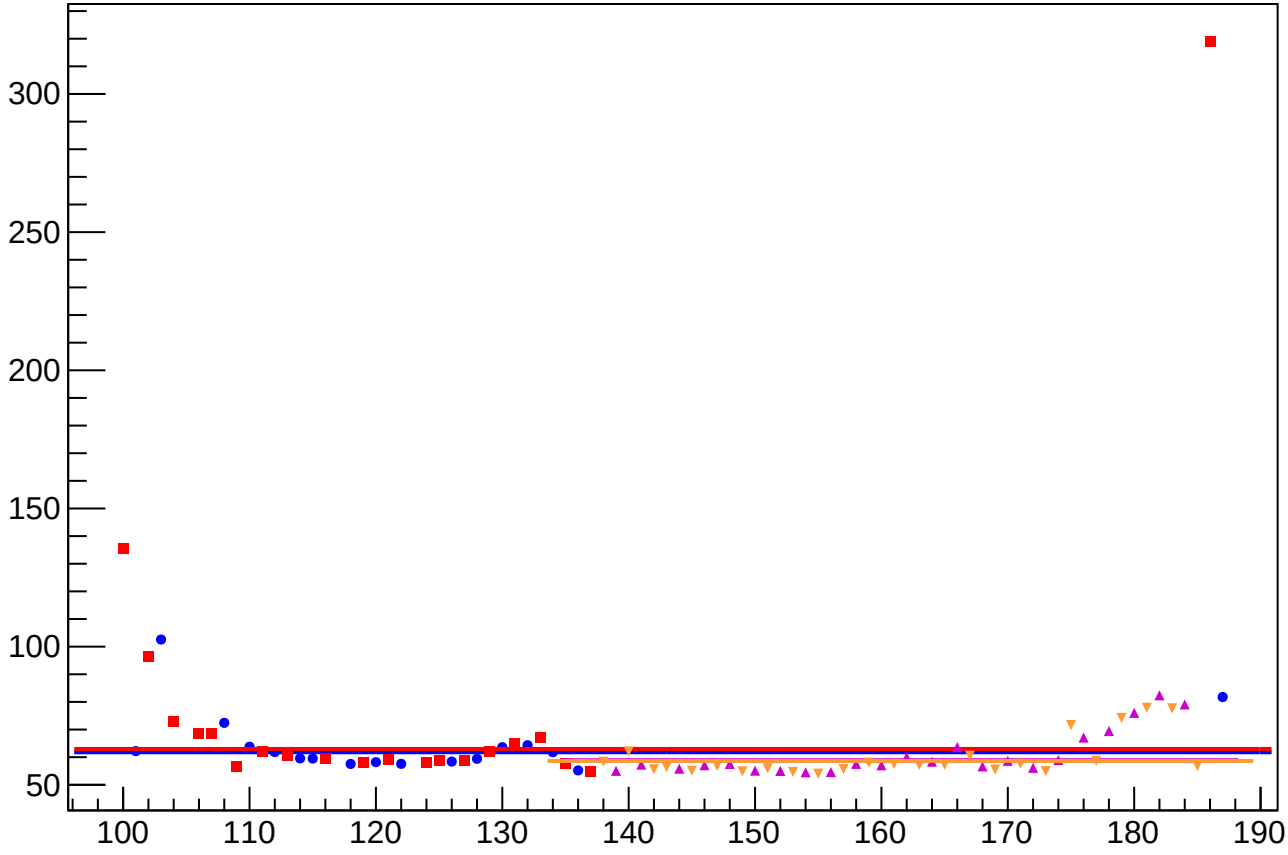
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -191.867+/-11.583 χ^2/NDF: 64.1/41

All: -14.472+/-8.299 χ^2/NDF: 626.3/84

- sign 172.614+/-11.896 χ^2/NDF: 80.4/42

cor_asym_sam8_rms vs Slug



Right In: 61.786+/-0.016 χ^2/NDF: 273466.9/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 62.977+/-0.016 χ^2/NDF: 797889.1/19

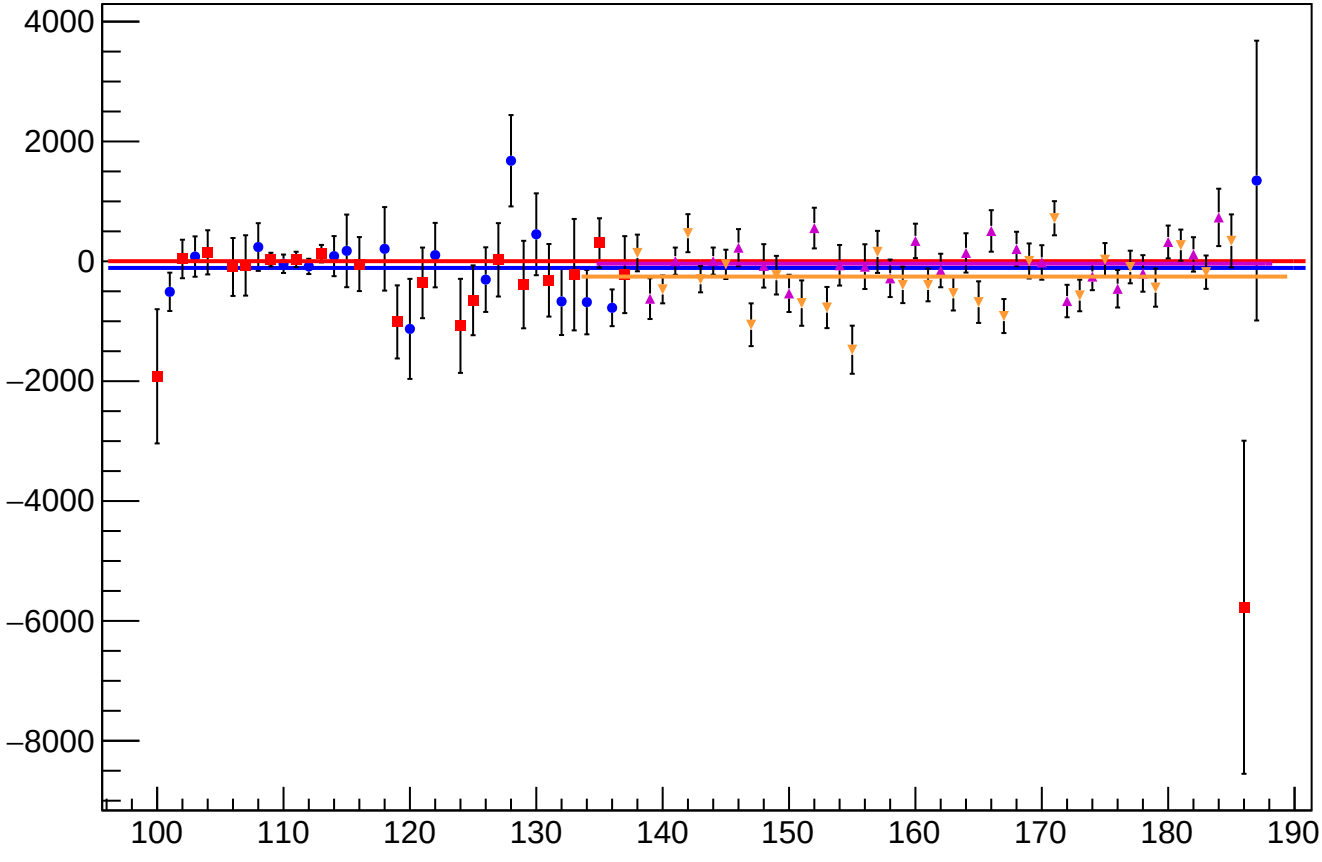
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.445+/-0.008 χ^2/NDF: 695295.3/41

All: 59.704+/-0.006 χ^2/NDF: 1927505.1/84

- sign 59.978+/-0.008 χ^2/NDF: 1230144.3/42

asym_sam8_cor_correction_mean vs Slug



Right In: -110.313+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 2.545+/-64.068 χ^2/NDF: 15.9/19

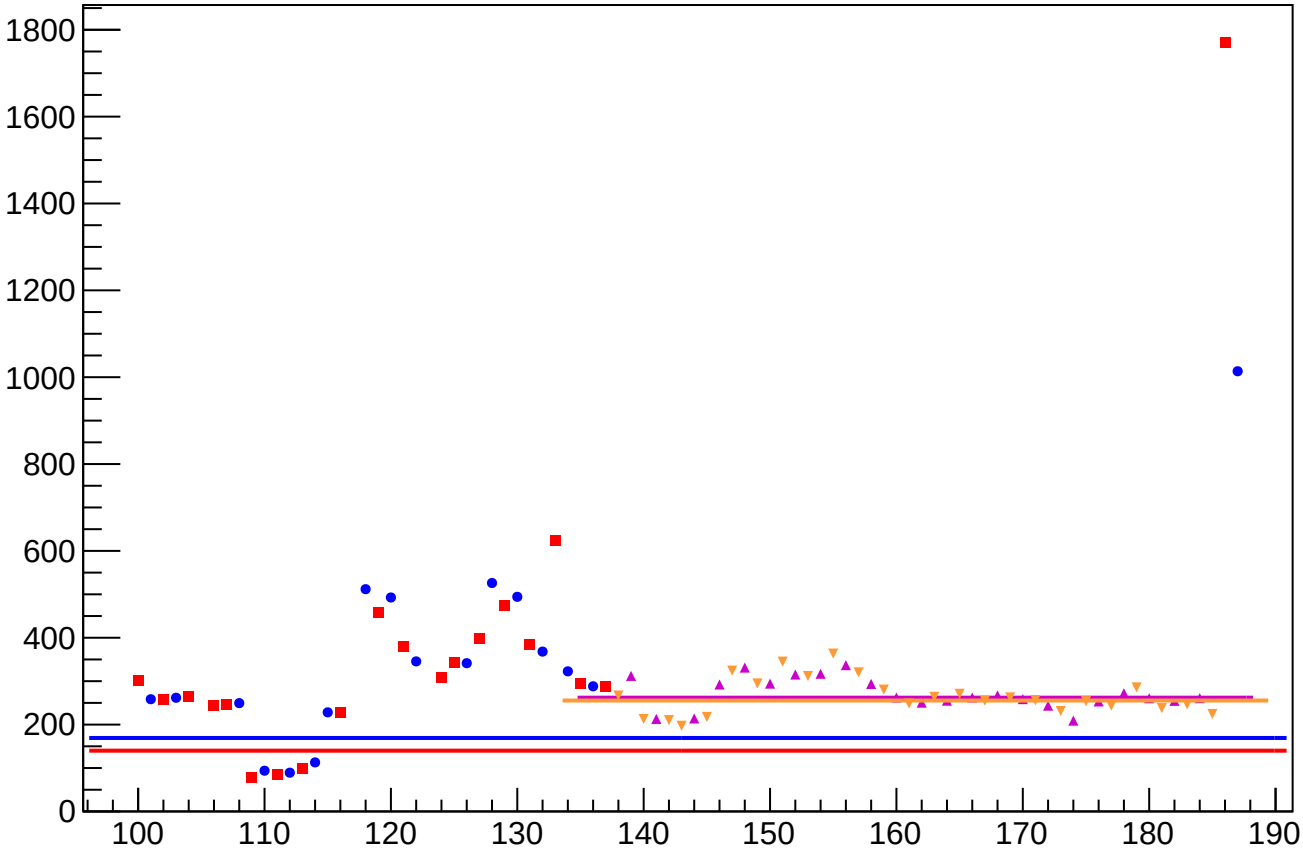
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -200.653+/-46.583 χ^2/NDF: 78.7/41

All: -105.706+/-32.181 χ^2/NDF: 131.2/84

- sign -19.022+/-44.510 χ^2/NDF: 44.5/42

asym_sam8_cor_correction_rms vs Slug



Right In: 169.230+/-0.054 χ^2/NDF: 4806065.2/16

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 139.972+/-0.045 χ^2/NDF: 5818808.6/19

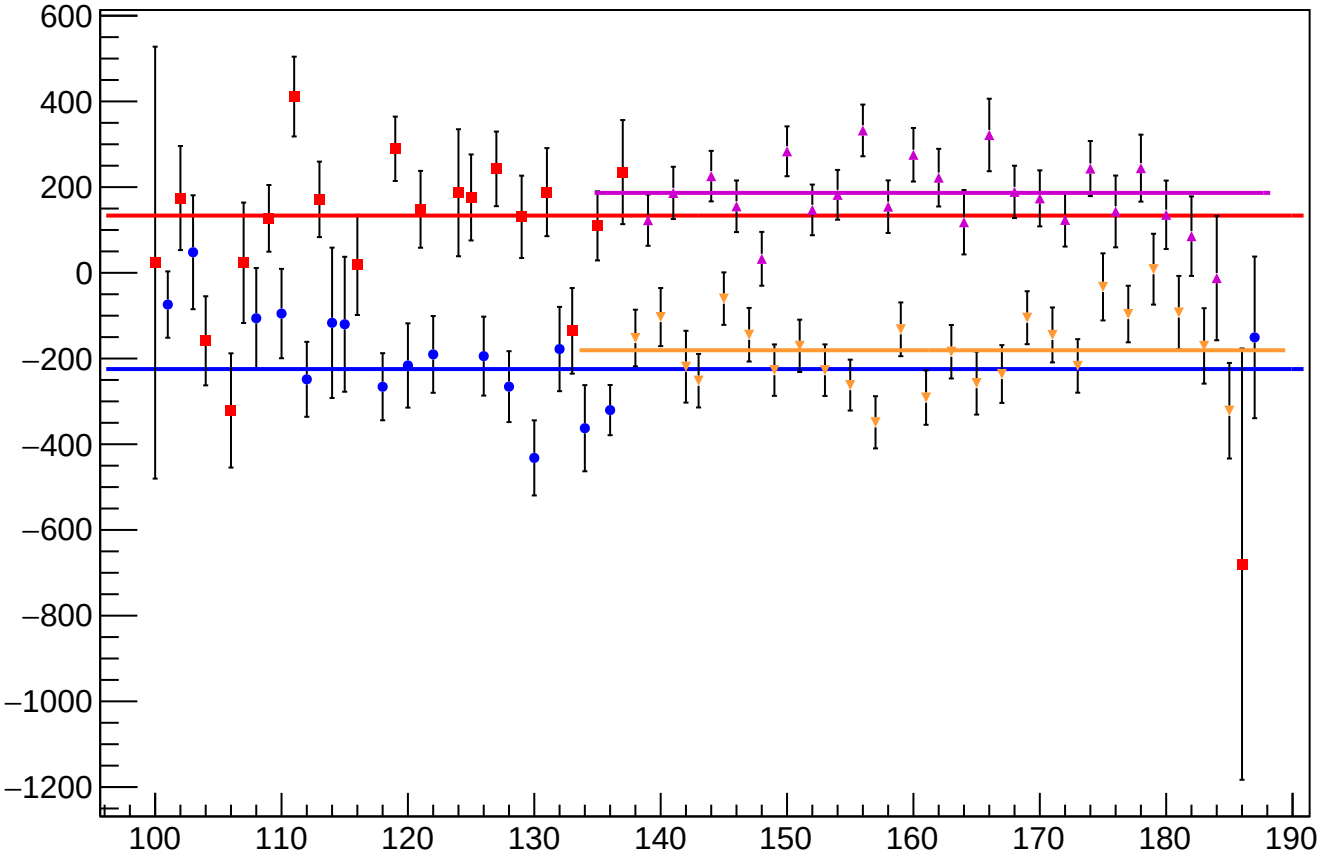
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 223.216+/-0.033 χ^2/NDF: 7274749.2/41

All: 212.703+/-0.023 χ^2/NDF: 17713037.9/84

- sign 203.106+/-0.031 χ^2/NDF: 10243439.5/42

eigen_cor_asym_sam8_mean vs Slug



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 133.581+/-23.180 χ^2/NDF: 47.5/19

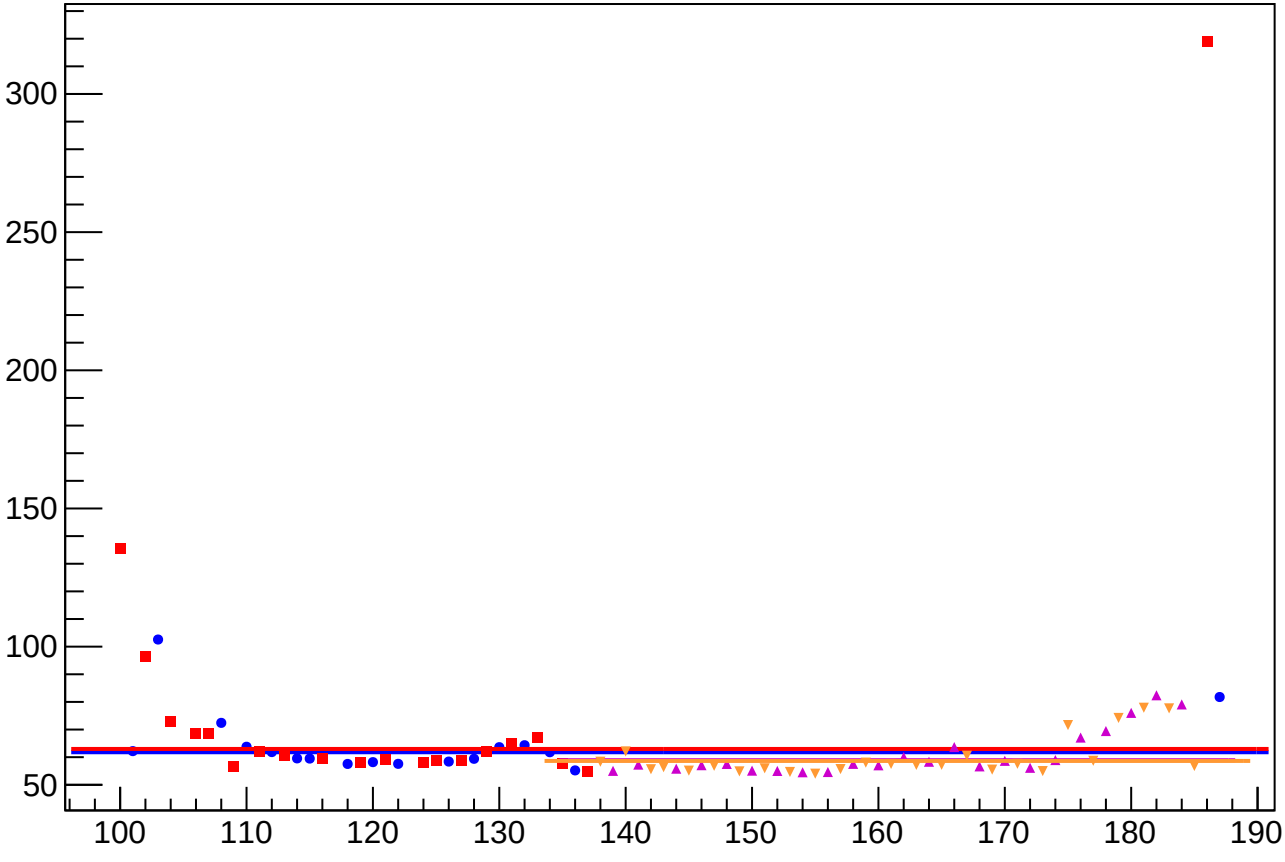
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -191.867+/-11.583 χ^2/NDF: 64.1/41

All: -14.472+/-8.299 χ^2/NDF: 626.3/84

- sign 172.614+/-11.896 χ^2/NDF: 80.4/42

eigen_cor_asym_sam8_rms vs Slug



Right In: 61.786+/-0.016 χ^2/NDF: 273466.9/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 62.977+/-0.016 χ^2/NDF: 797889.1/19

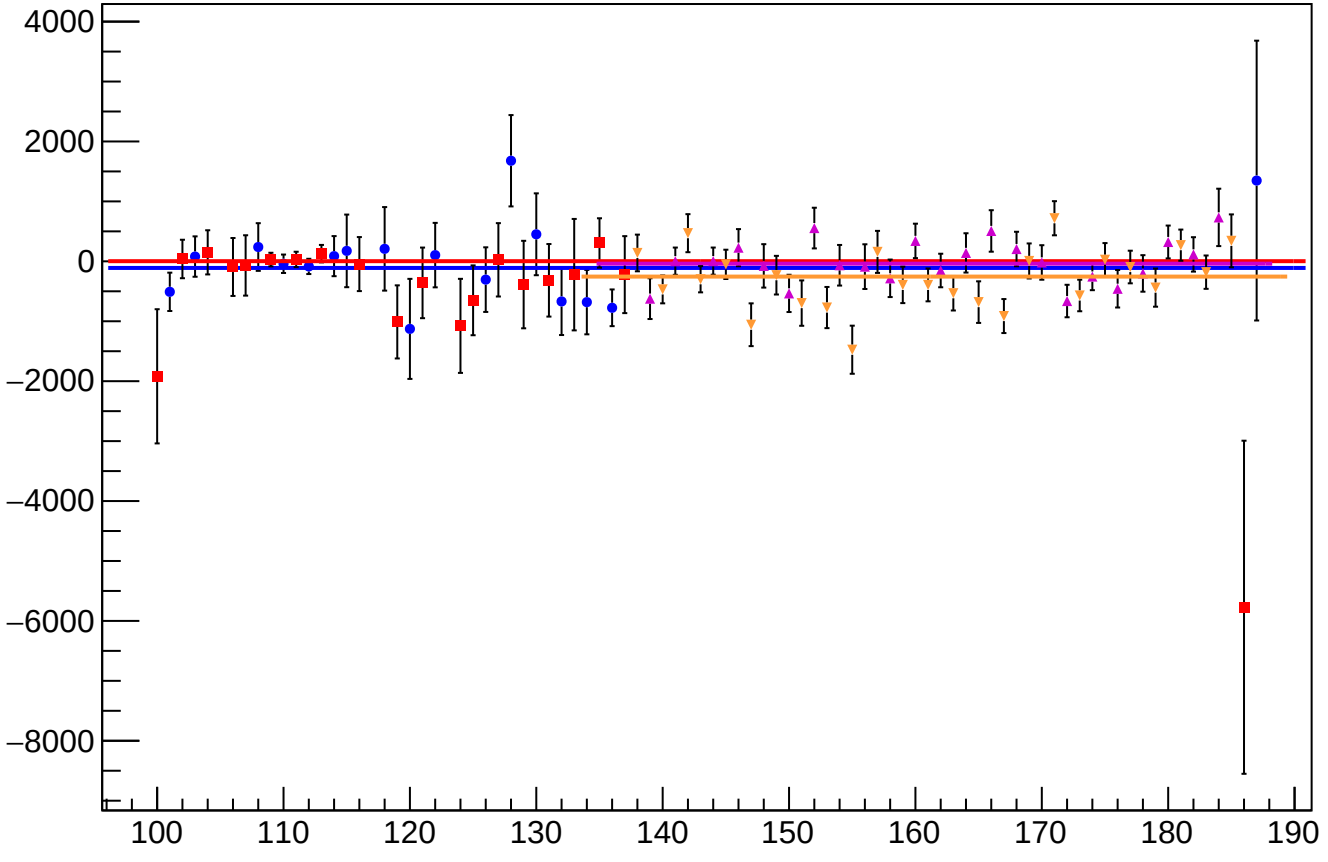
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 59.445+/-0.008 χ^2/NDF: 695295.3/41

All: 59.704+/-0.006 χ^2/NDF: 1927505.1/84

- sign 59.978+/-0.008 χ^2/NDF: 1230144.3/42

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -110.313+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 2.545+/-64.068 χ^2/NDF: 15.9/19

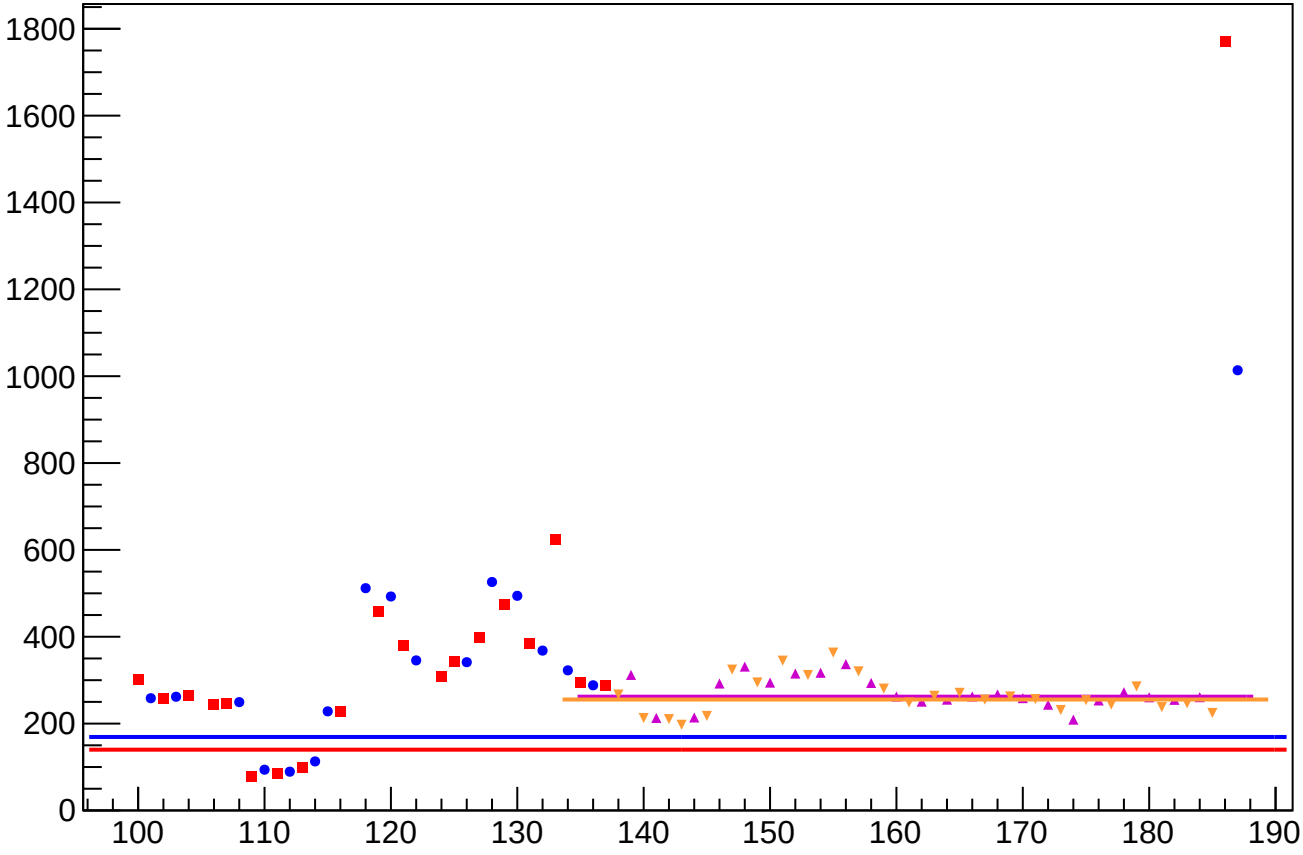
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -200.653+/-46.583 χ^2/NDF: 78.7/41

All: -105.706+/-32.181 χ^2/NDF: 131.2/84

- sign -19.022+/-44.510 χ^2/NDF: 44.5/42

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 169.230+/-0.054 χ^2/NDF: 4806065.2/16

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 139.972+/-0.045 χ^2/NDF: 5818808.6/19

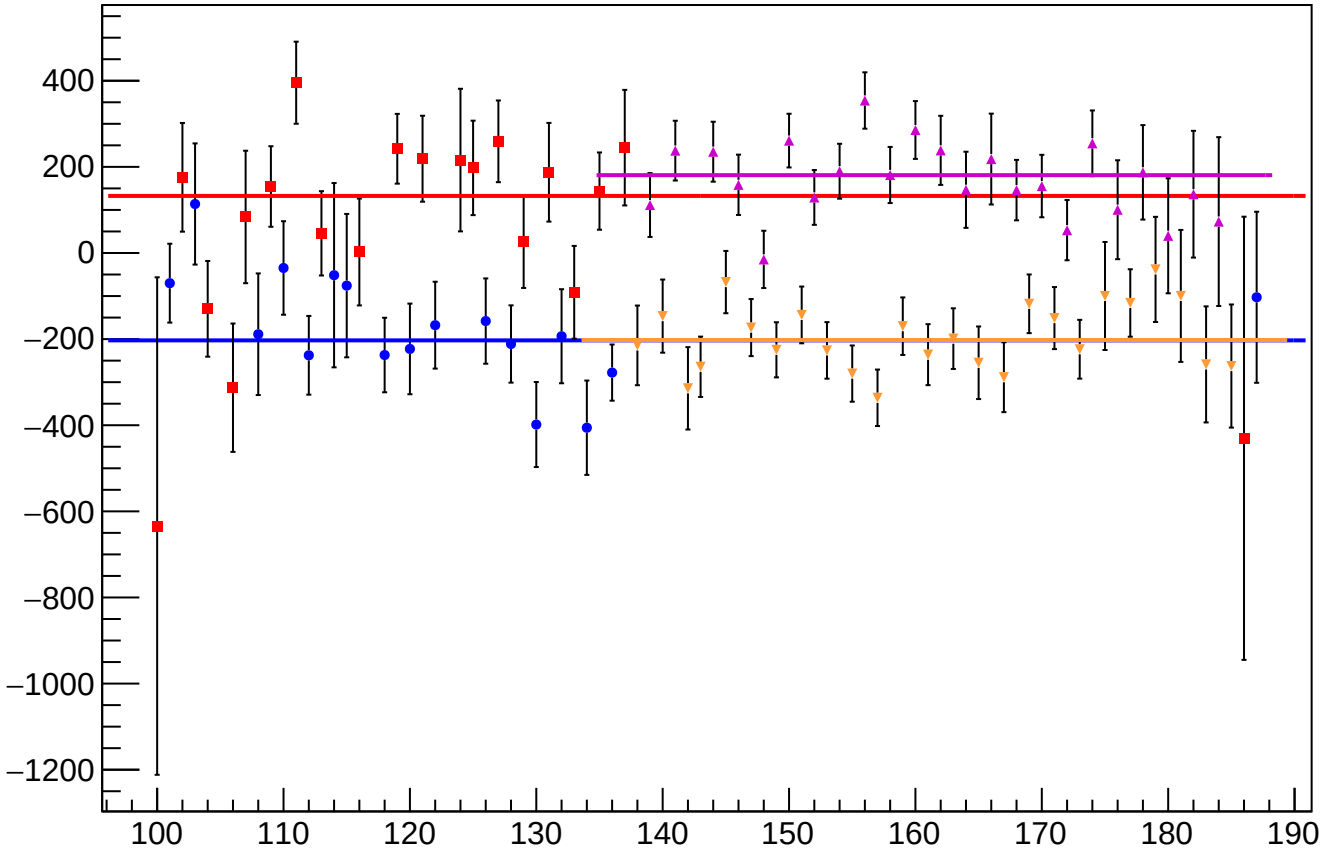
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 223.216+/-0.033 χ^2/NDF: 7274749.2/41

All: 212.703+/-0.023 χ^2/NDF: 17713037.9/84

- sign 203.106+/-0.031 χ^2/NDF: 10243439.5/42

dit_asym_sam8_mean vs Slug



Right In: -202.924+/-25.315 χ^2/NDF: 20.3/16

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 132.544+/-25.452 χ^2/NDF: 38.4/19

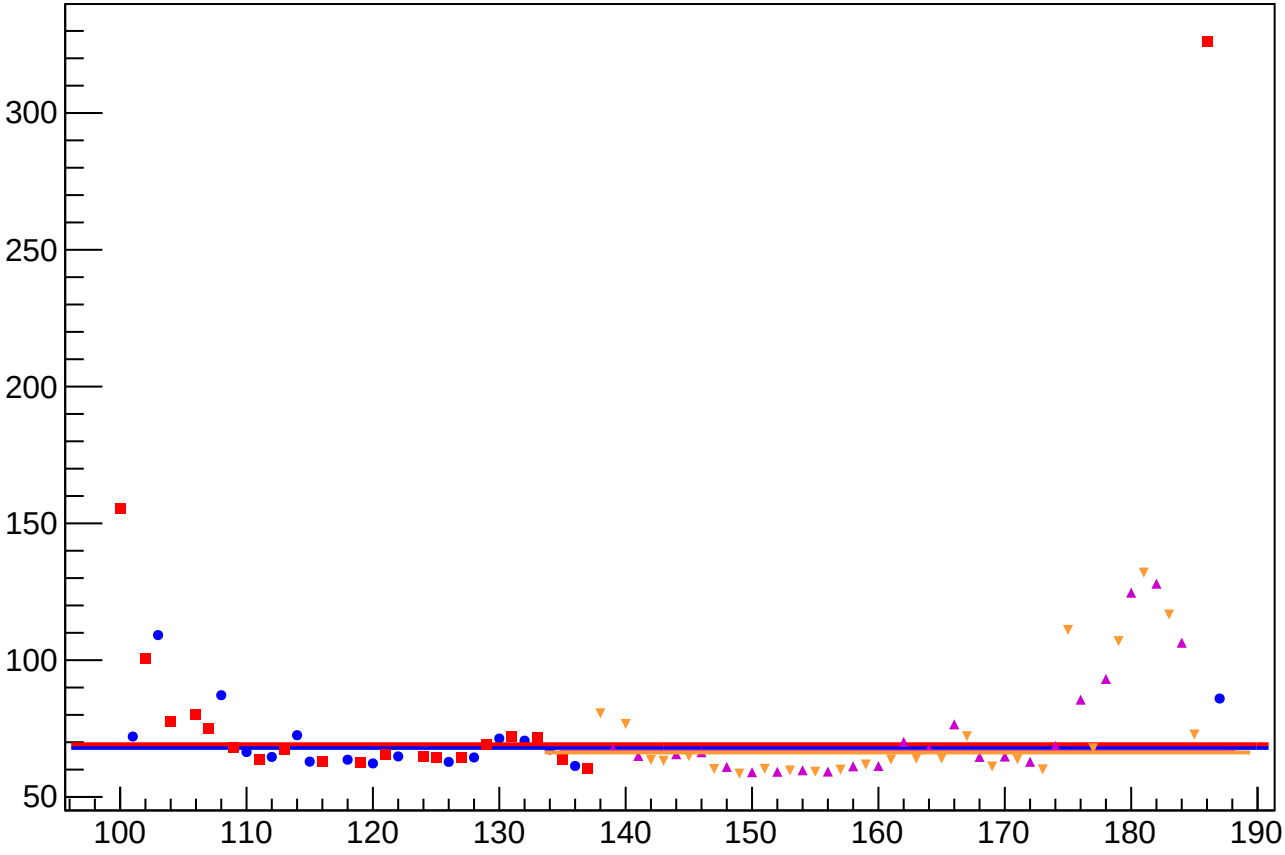
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -202.318+/-13.243 χ^2/NDF: 41.8/41

All: -21.950+/-9.473 χ^2/NDF: 492.9/84

- sign 167.097+/-13.557 χ^2/NDF: 71.1/42

dit_asym_sam8_rms vs Slug



Right In: 67.945+/-0.018 χ^2/NDF: 280426.5/16

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 69.254+/-0.018 χ^2/NDF: 747544.7/19

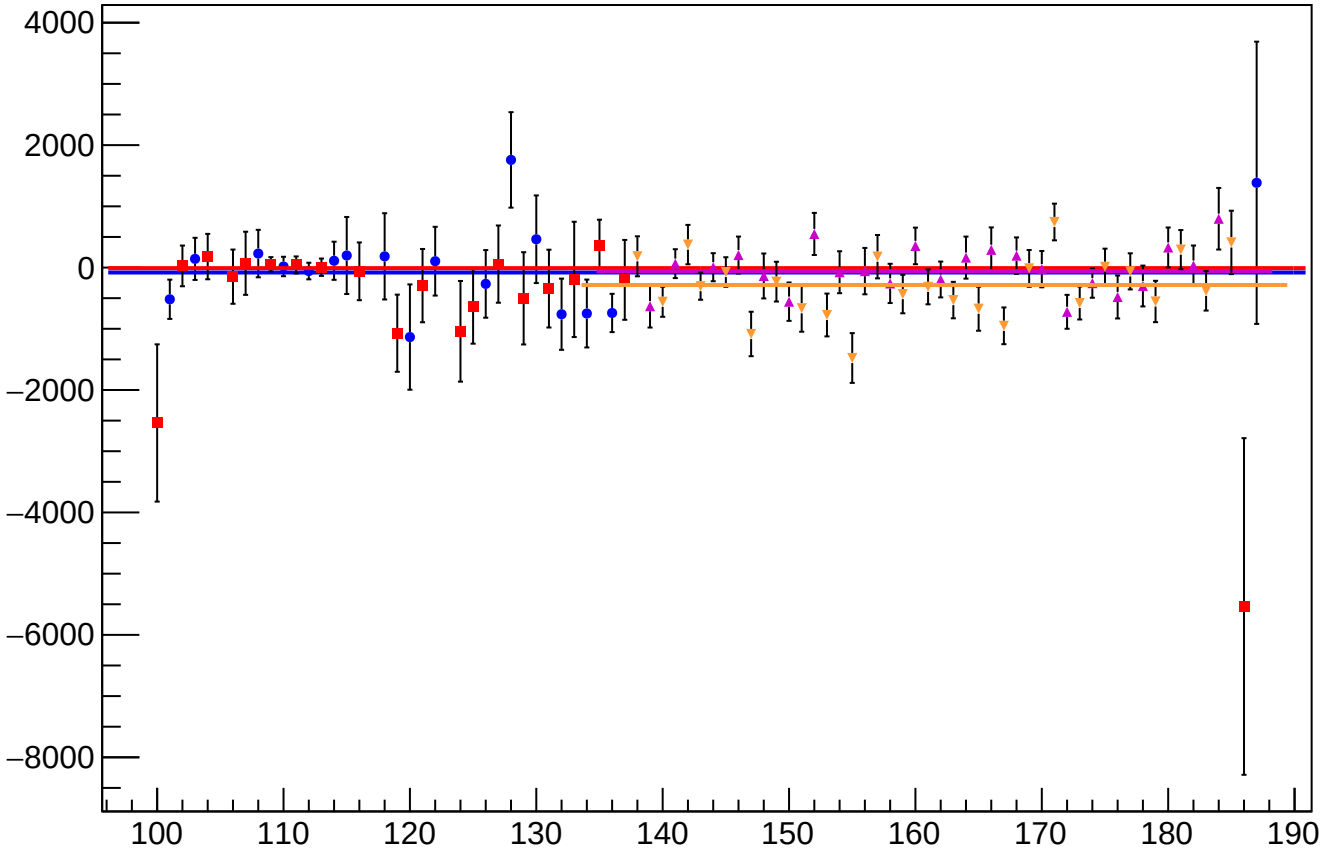
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 66.735+/-0.009 χ^2/NDF: 1680599.3/41

All: 67.032+/-0.007 χ^2/NDF: 3604183.1/84

- sign 67.342+/-0.010 χ^2/NDF: 1921528.5/42

asym_sam8_dit_correction_mean vs Slug



Right In: -80.521+/-78.630 χ^2/NDF: 19.6/16

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -9.239+/-65.891 χ^2/NDF: 16.1/19

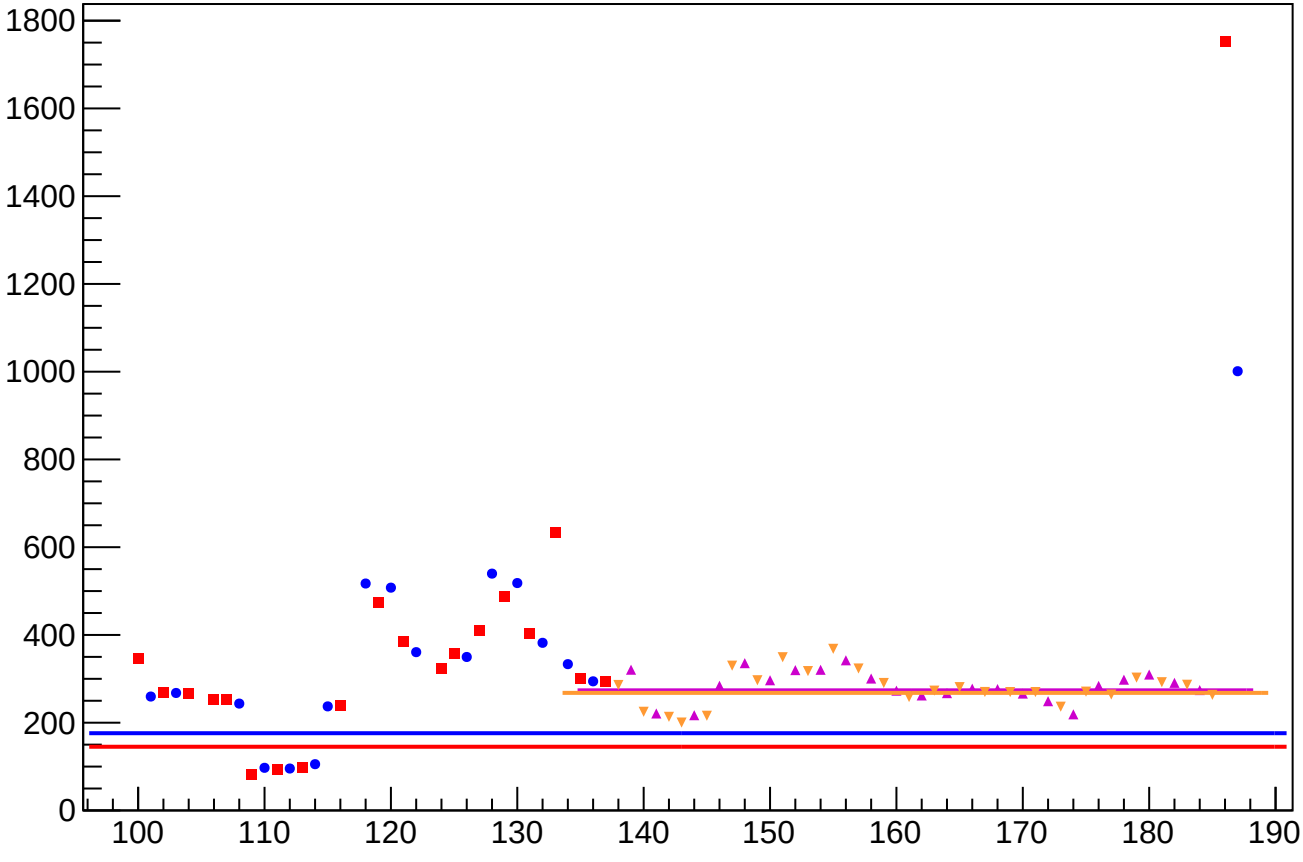
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.693+/-48.553 χ^2/NDF: 78.4/41

All: -116.309+/-33.447 χ^2/NDF: 128.2/84

- sign -34.680+/-46.142 χ^2/NDF: 43.2/42

asym_sam8_dit_correction_rms vs Slug



Right In: 176.060+/-0.056 χ^2/NDF: 4685574.0/16

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

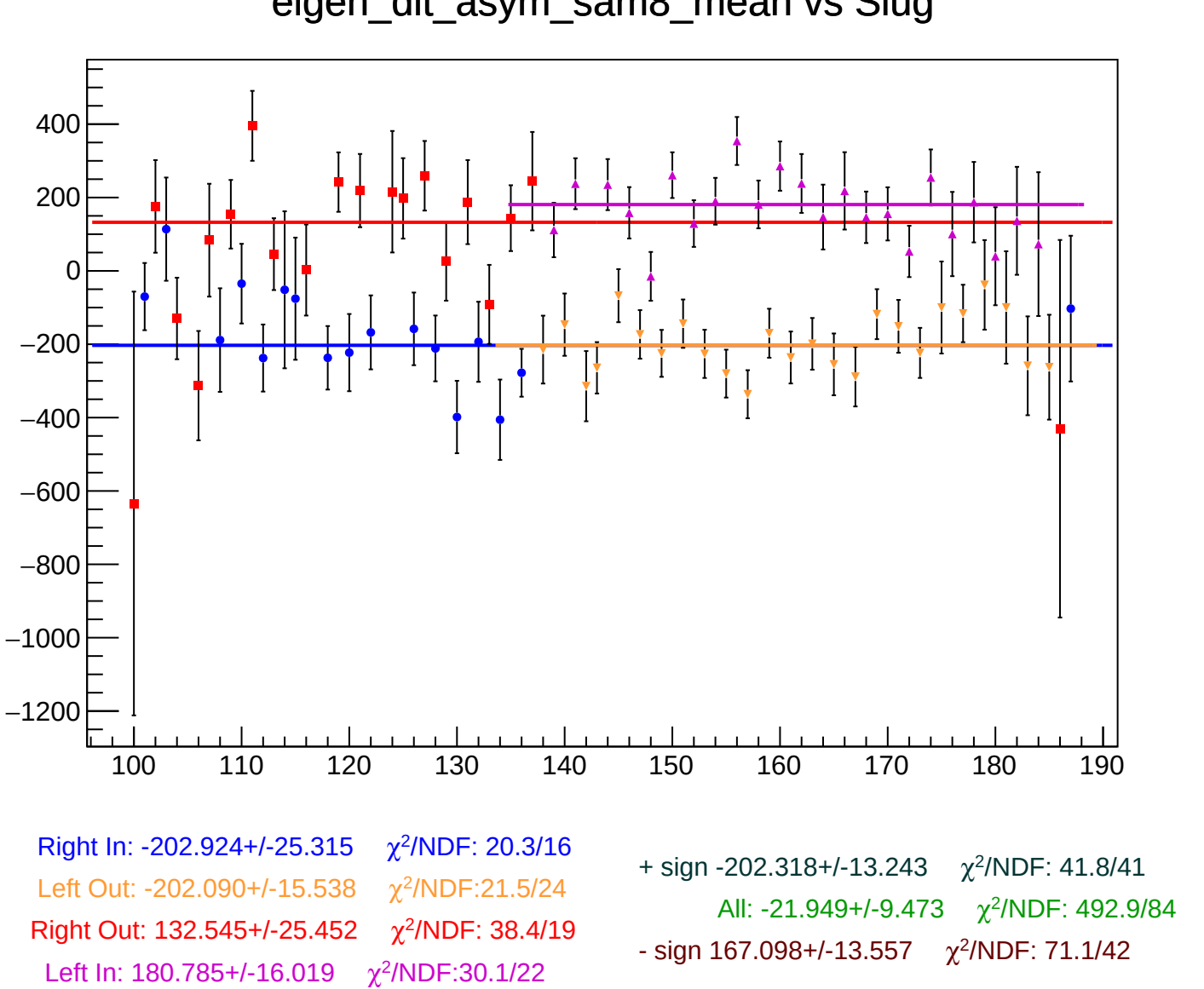
Right Out: 145.200+/-0.047 χ^2/NDF: 5816199.1/19

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

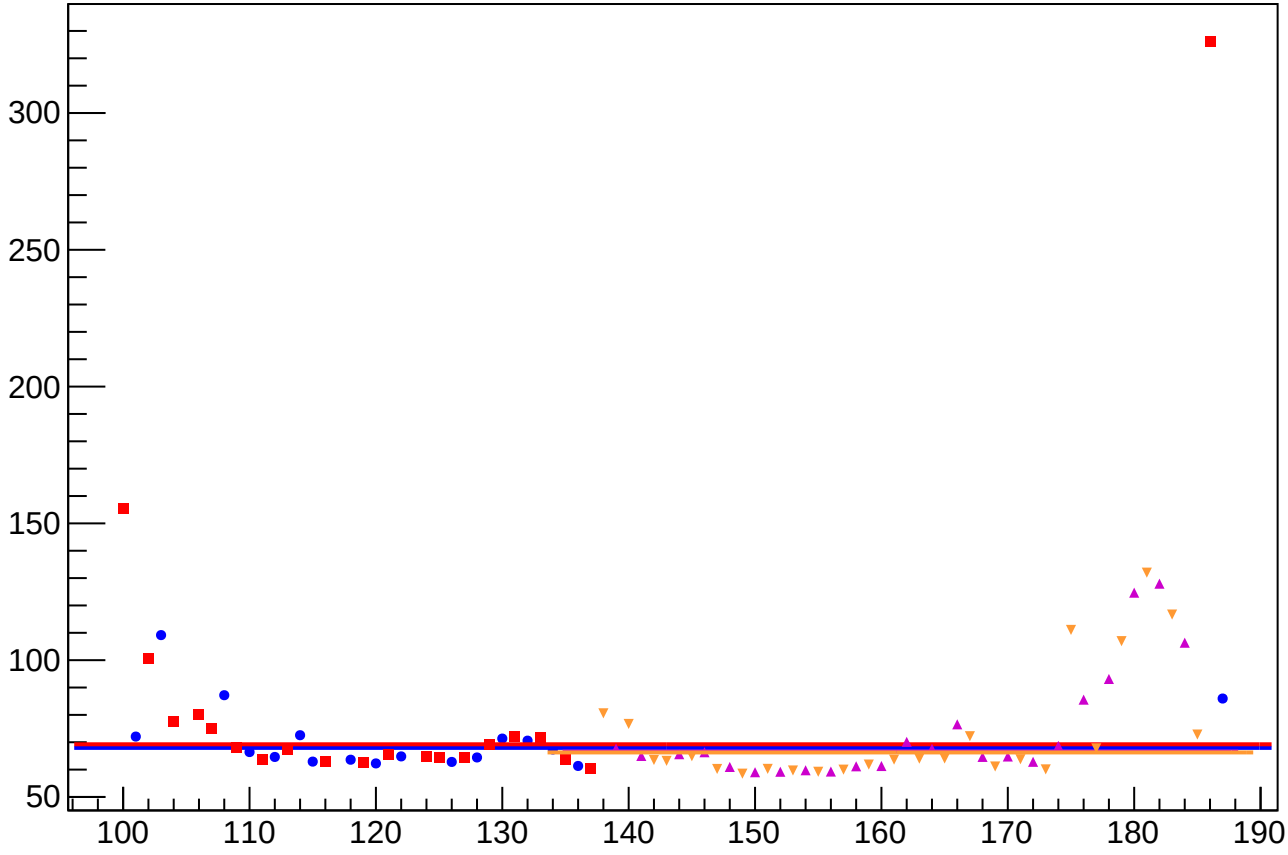
+ sign 232.935+/-0.034 χ^2/NDF: 7239590.5/41

All: 221.257+/-0.024 χ^2/NDF: 17805667.2/84

- sign 210.711+/-0.033 χ^2/NDF: 10345907.7/42


eigen_dit_asym_sam8_mean vs Slug
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
180
190
Right In: -202.924+/-25.315 χ²/NDF: 20.3/16
Left Out: -202.090+/-15.538 χ²/NDF:21.5/24
Right Out: 132.545+/-25.452 χ²/NDF: 38.4/19
Left In: 180.785+/-16.019 χ²/NDF:30.1/22
+ sign -202.318+/-13.243 χ²/NDF: 41.8/41
All: -21.949+/-9.473 χ²/NDF: 492.9/84
- sign 167.098+/-13.557 χ²/NDF: 71.1/42

eigen_dit_asym_sam8_rms vs Slug



Right In: 67.945+/-0.018 χ^2/NDF: 280426.9/16

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 69.254+/-0.018 χ^2/NDF: 747547.0/19

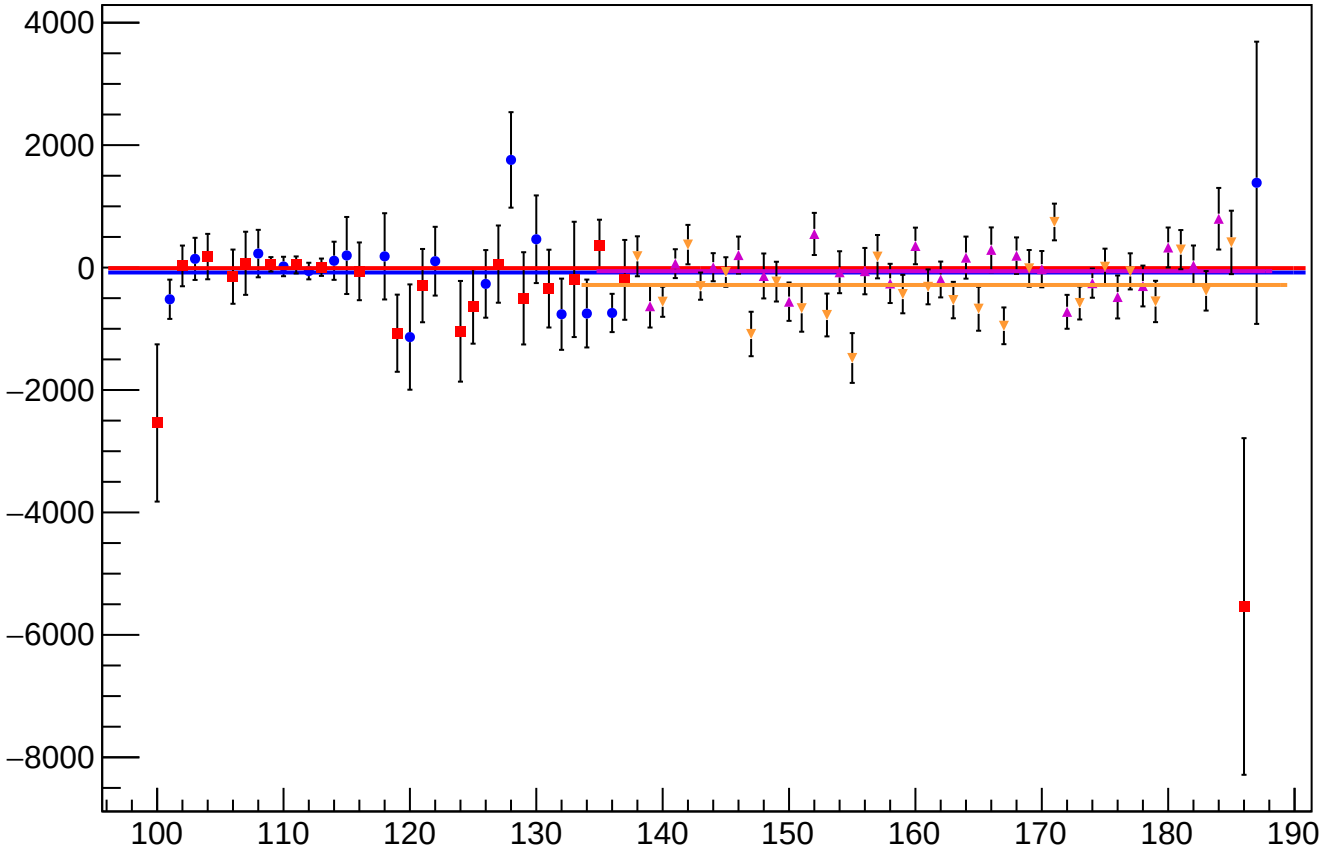
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 66.735+/-0.009 χ^2/NDF: 1680600.3/41

All: 67.031+/-0.007 χ^2/NDF: 3604177.1/84

- sign 67.342+/-0.010 χ^2/NDF: 1921521.5/42

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -80.519+/-78.630 χ^2/NDF: 19.6/16

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -9.238+/-65.891 χ^2/NDF: 16.1/19

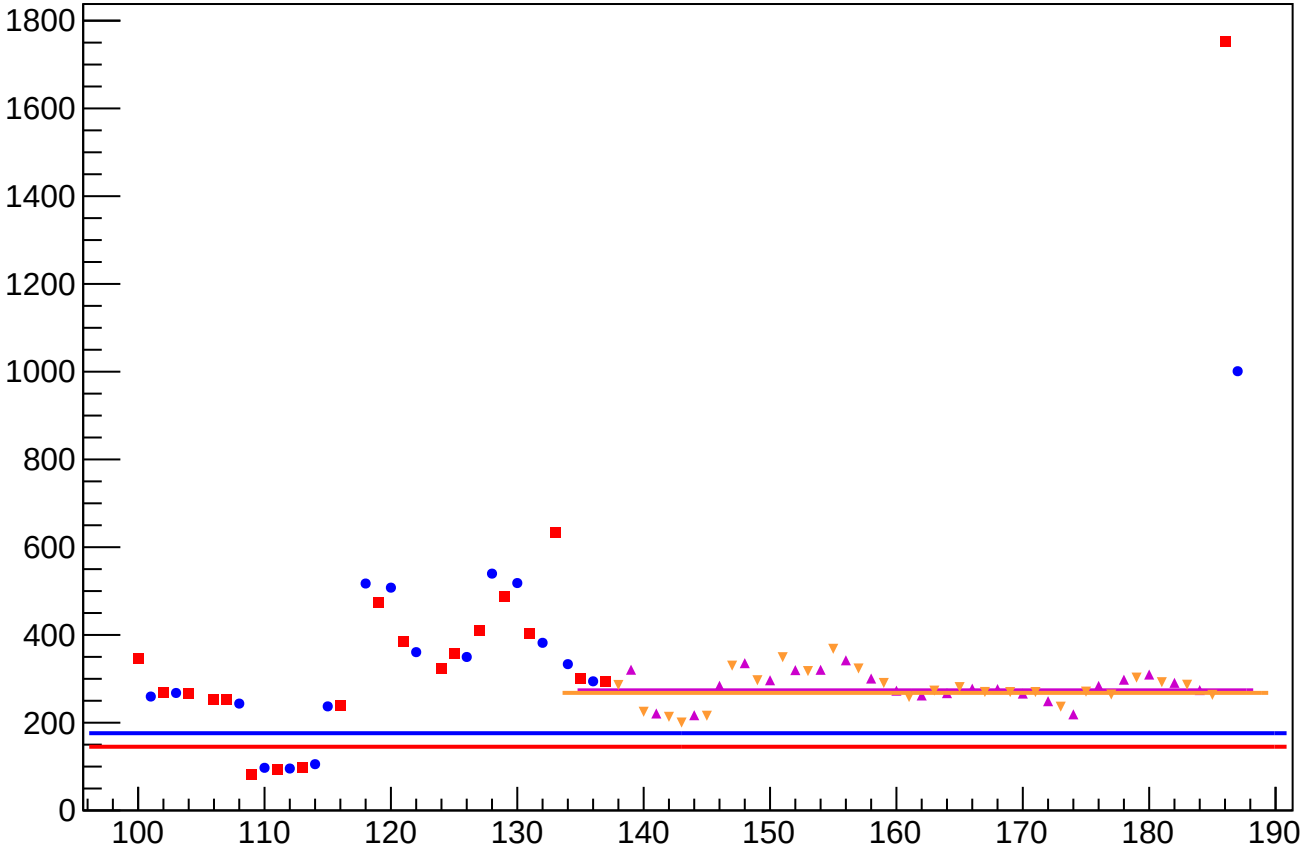
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -206.692+/-48.553 χ^2/NDF: 78.4/41

All: -116.308+/-33.447 χ^2/NDF: 128.2/84

- sign -34.679+/-46.142 χ^2/NDF: 43.2/42

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 176.059+/-0.056 χ^2/NDF: 4685596.3/16

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 145.199+/-0.047 χ^2/NDF: 5816179.4/19

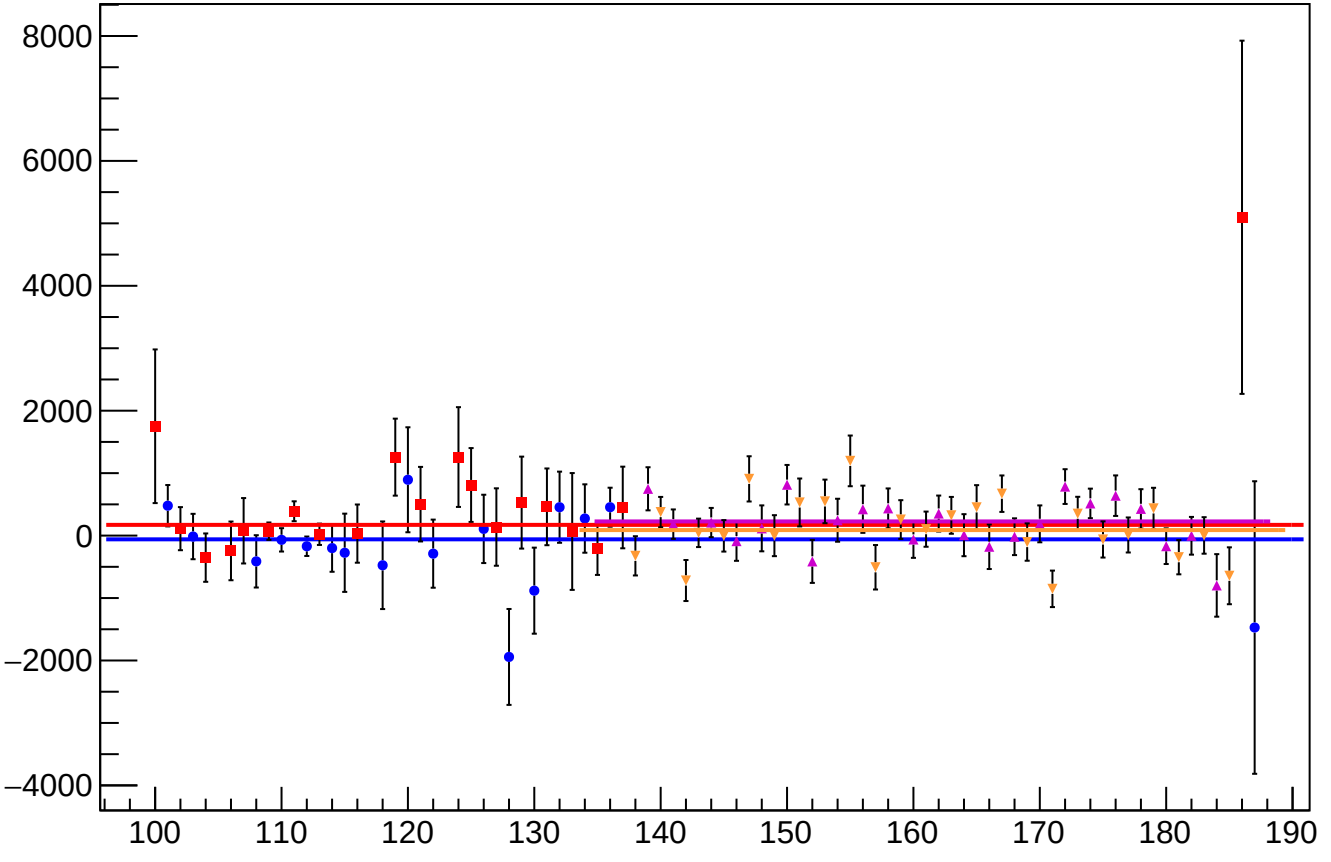
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 232.934+/-0.034 χ^2/NDF: 7239656.1/41

All: 221.257+/-0.024 χ^2/NDF: 17805691.4/84

- sign 210.710+/-0.033 χ^2/NDF: 10345877.6/42

asym_sam8_mean vs Slug



Right In: -59.914+/-86.831 χ^2/NDF: 17.7/16

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 171.749+/-74.572 χ^2/NDF: 18.5/19

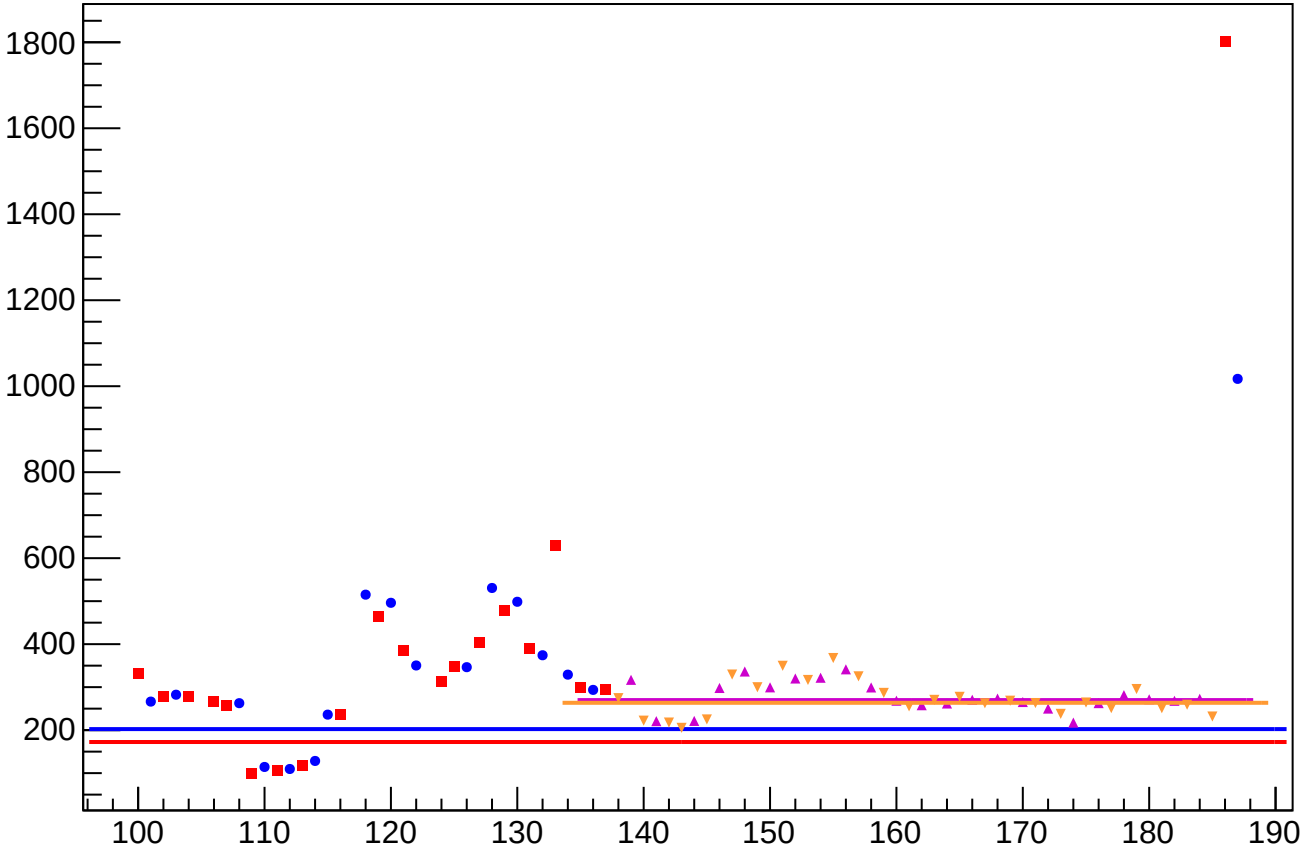
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 39.748+/-49.731 χ^2/NDF: 71.9/41

All: 123.867+/-34.694 χ^2/NDF: 125.2/84

\- sign 203.625+/-48.425 χ^2/NDF: 47.7/42

asym_sam8_rms vs Slug



Right In: 202.422+/-0.061 χ^2/NDF: 3814457.7/16

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

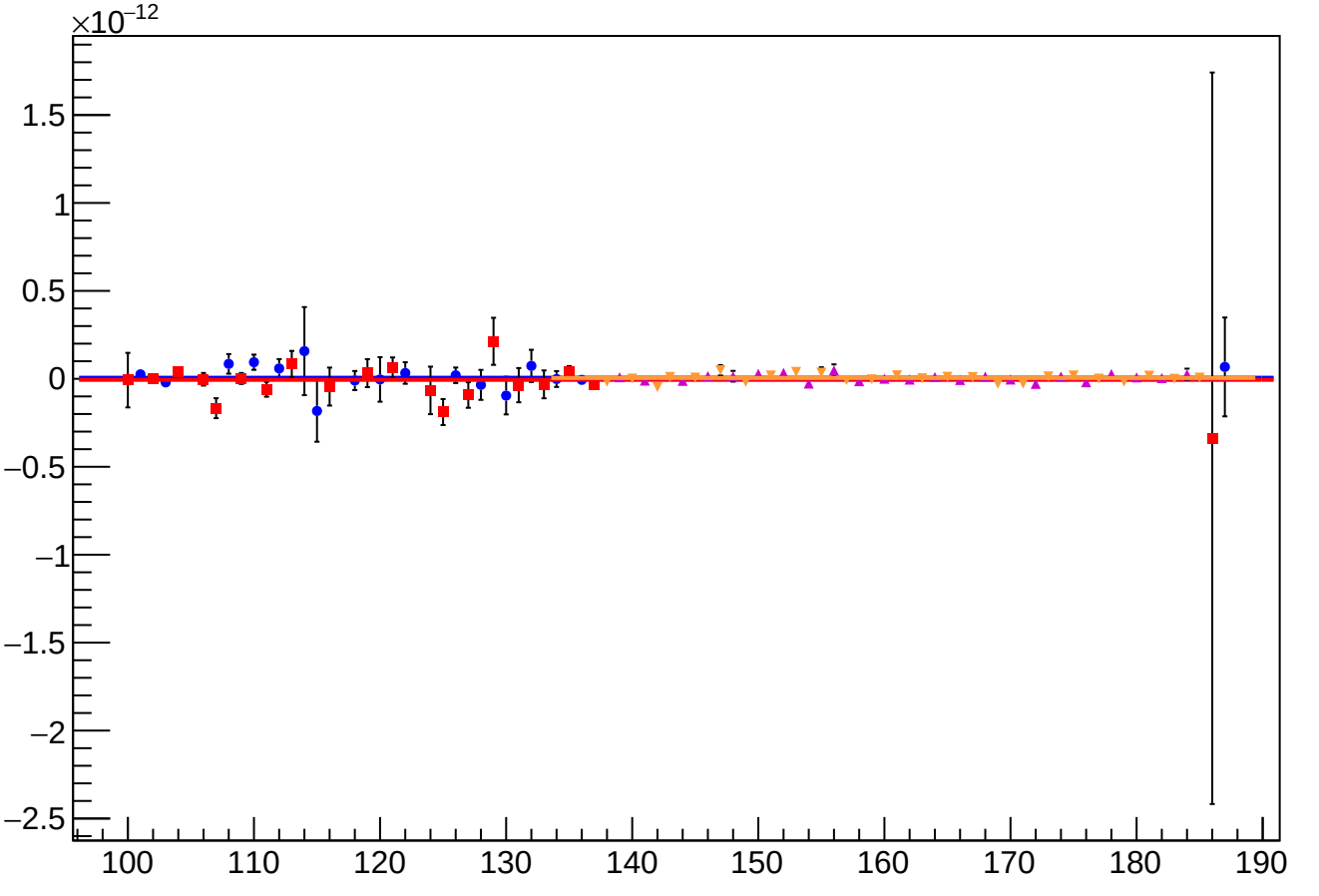
Right Out: 172.385+/-0.053 χ^2/NDF: 4856933.5/19

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 243.528+/-0.035 χ^2/NDF: 5261304.6/41

All: 235.957+/-0.025 χ^2/NDF: 12788512.7/84

- sign 228.779+/-0.034 χ^2/NDF: 7436910.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/19

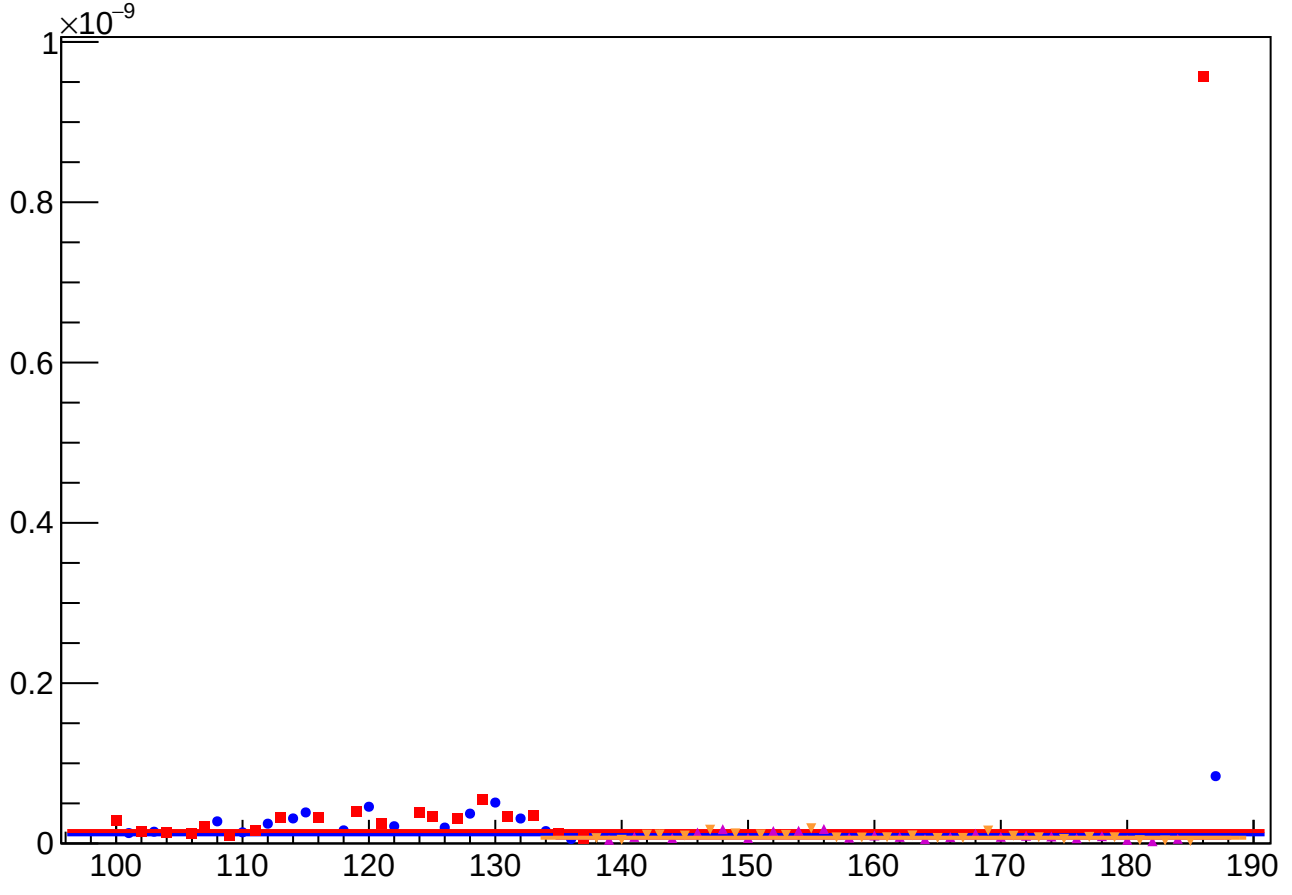
Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/41

All: 0.000+/-0.000 χ^2/NDF: 94.9/84

- sign 0.000+/-0.000 χ^2/NDF: 52.8/42

asym_sam8_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1922440.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

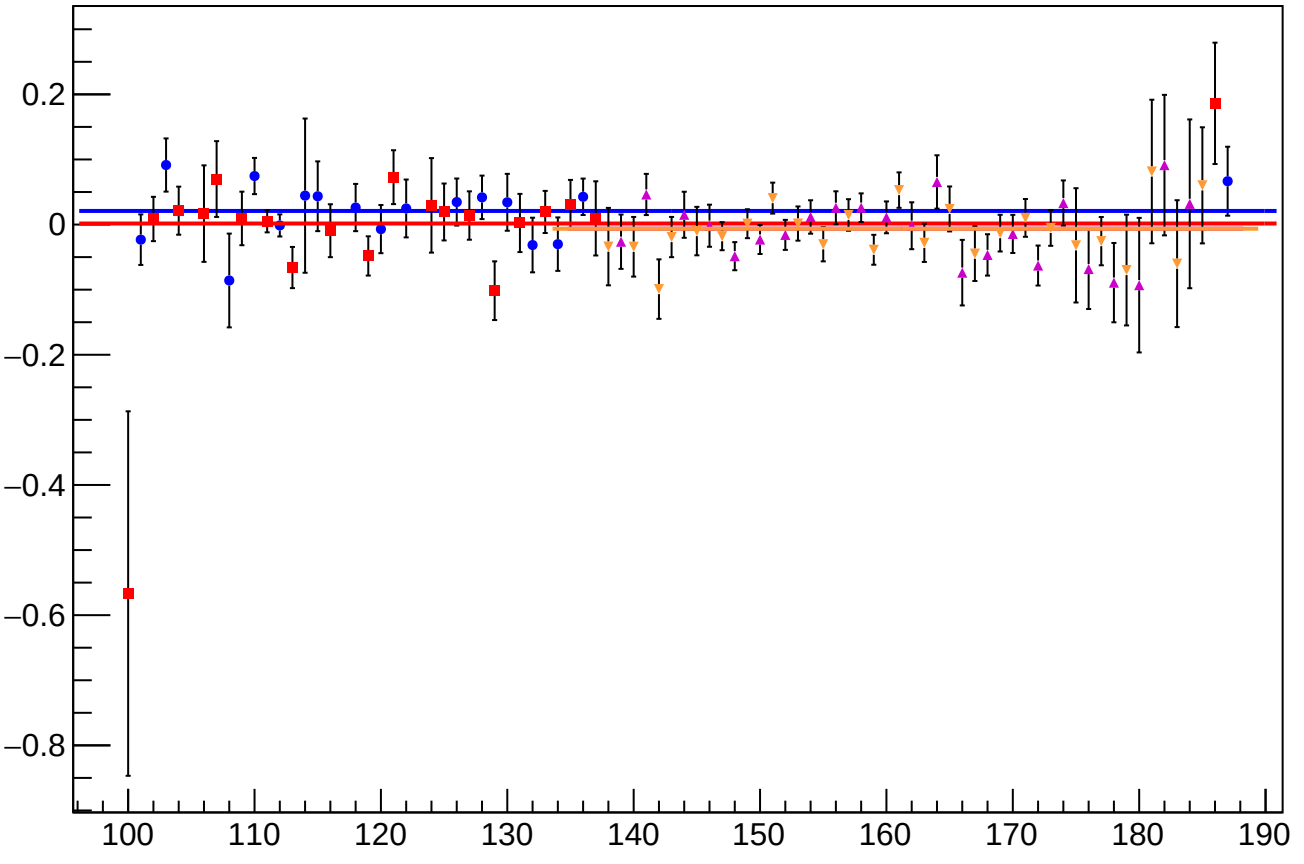
Right Out: 0.000+/-0.000 χ^2/NDF: 1852017.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 4336549.4/41

All: 0.000+/-0.000 χ^2/NDF: 9486368.7/84

- sign 0.000+/-0.000 χ^2/NDF: 5146299.9/42



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.8/19

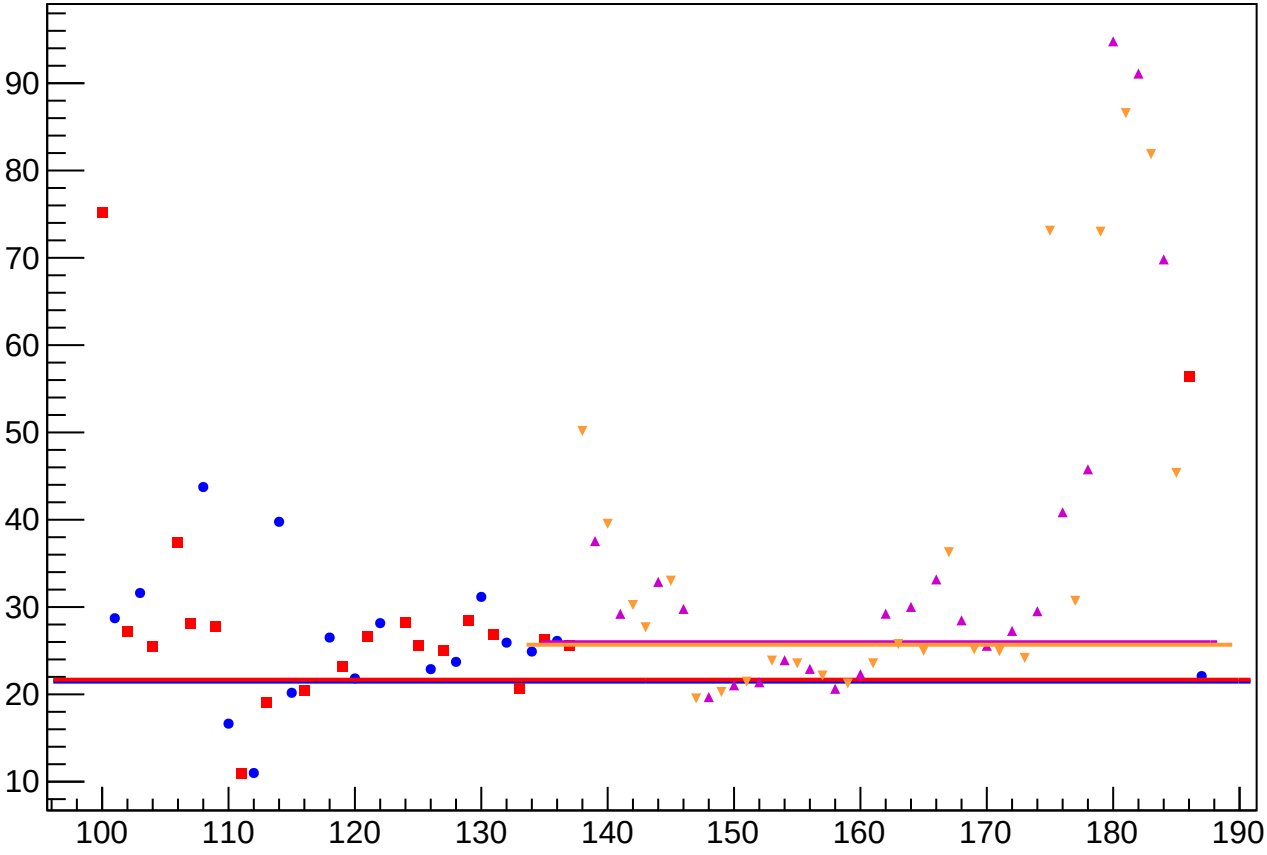
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 46.9/41

All: 0.000+/-0.004 χ^2/NDF: 103.5/84

- sign -0.003+/-0.005 χ^2/NDF: 55.8/42

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 21.461+/-0.006 χ^2/NDF: 1541009.1/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

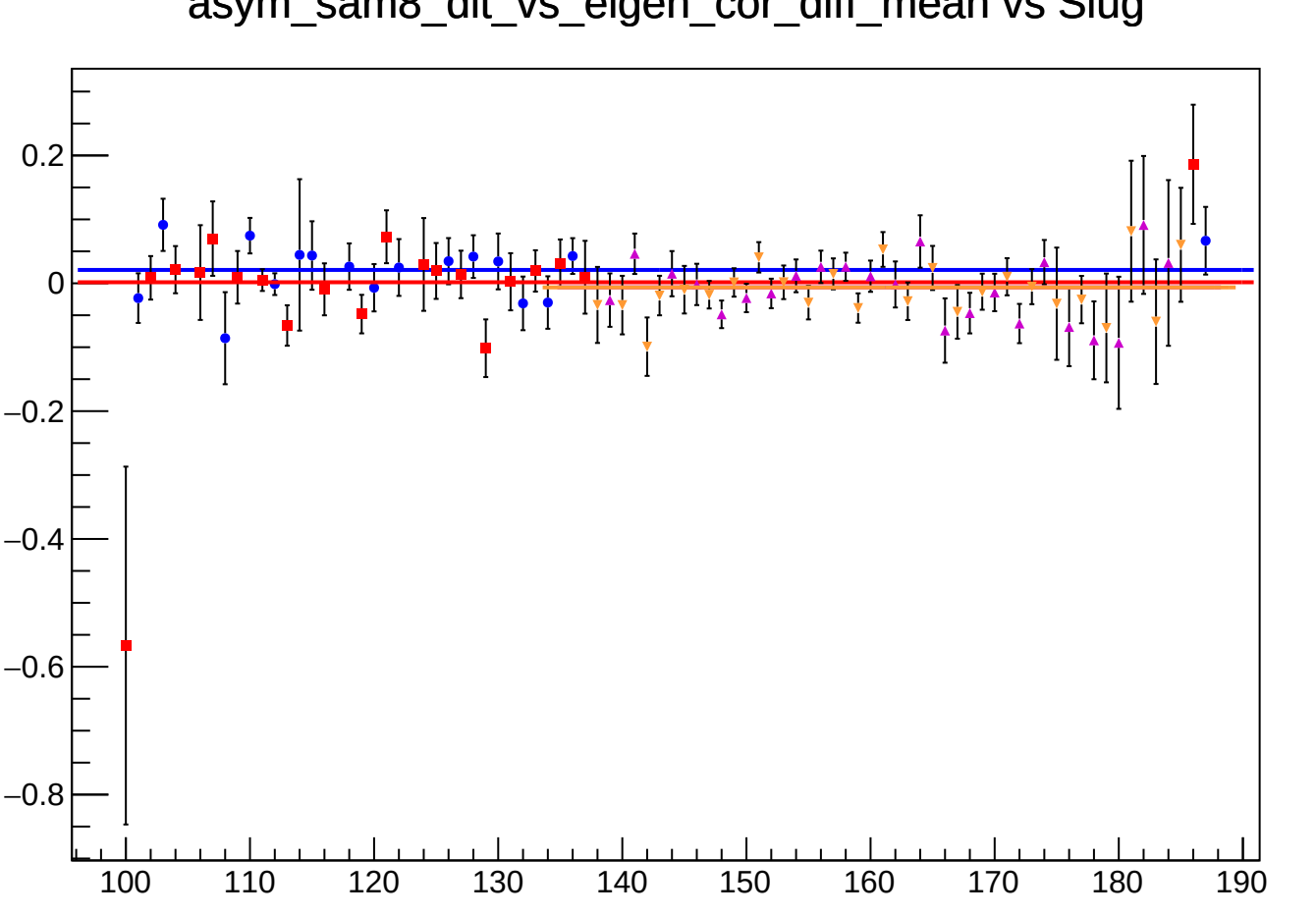
Right Out: 21.678+/-0.006 χ^2/NDF: 1591146.4/19

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.174+/-0.004 χ^2/NDF: 5724645.1/41

All: 24.257+/-0.003 χ^2/NDF: 10753897.9/84

- sign 24.342+/-0.004 χ^2/NDF: 5028201.5/42



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.8/19

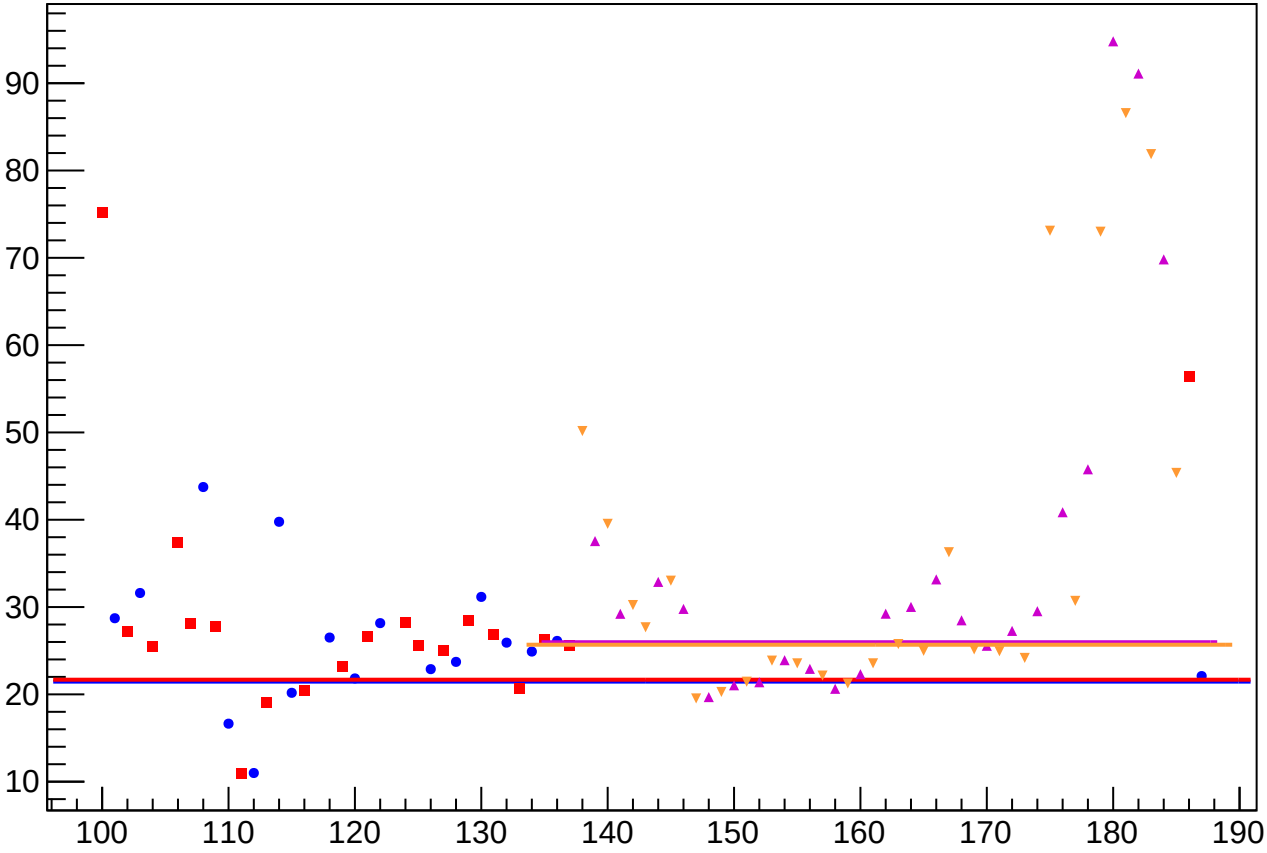
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 46.9/41

All: 0.000+/-0.004 χ^2/NDF: 103.5/84

- sign -0.003+/-0.005 χ^2/NDF: 55.8/42

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.461+/-0.006 χ^2/NDF: 1541009.1/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 21.678+/-0.006 χ^2/NDF: 1591146.4/19

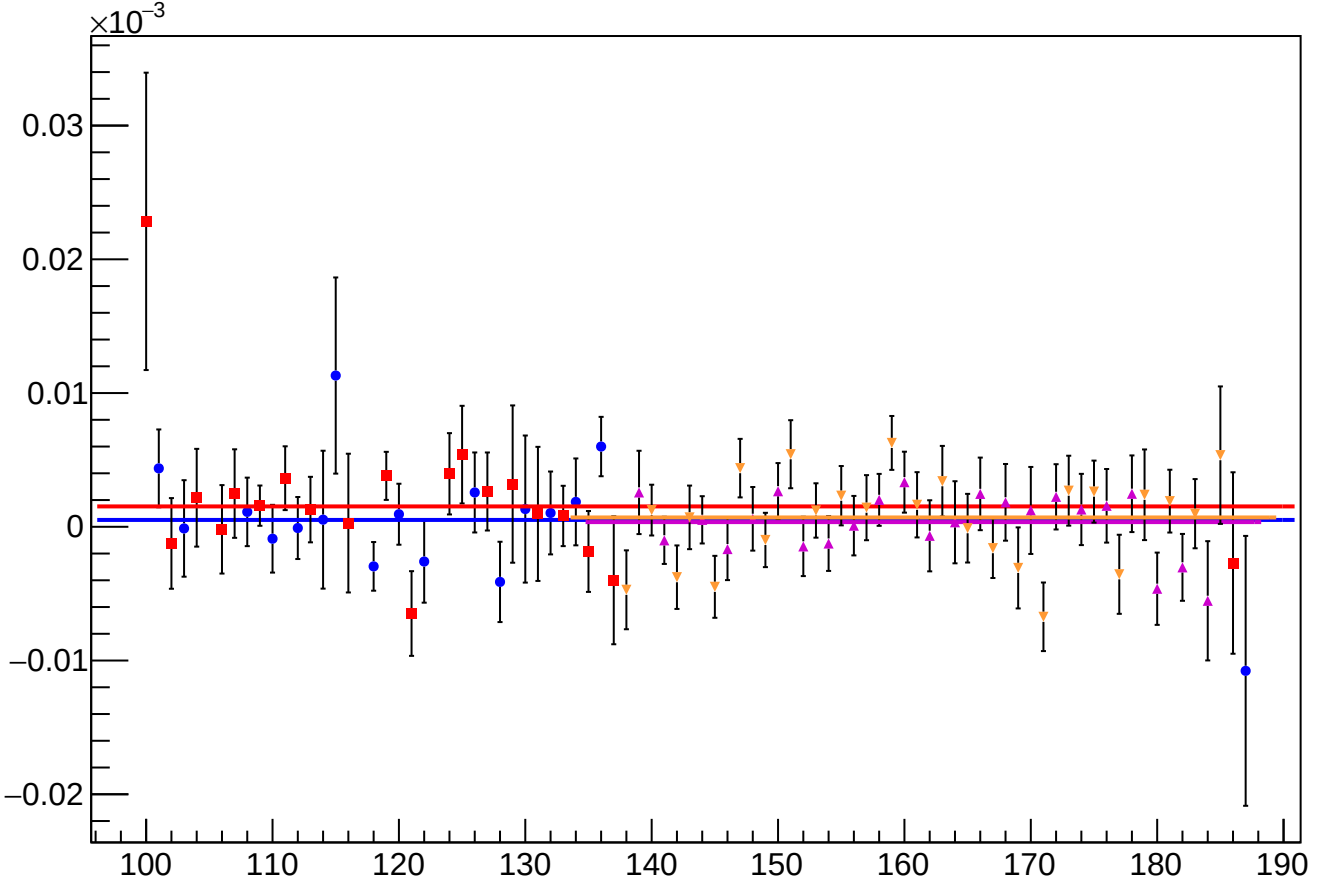
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 24.174+/-0.004 χ^2/NDF: 5724645.1/41

All: 24.257+/-0.003 χ^2/NDF: 10753897.9/84

- sign 24.342+/-0.004 χ^2/NDF: 5028201.5/42

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/19

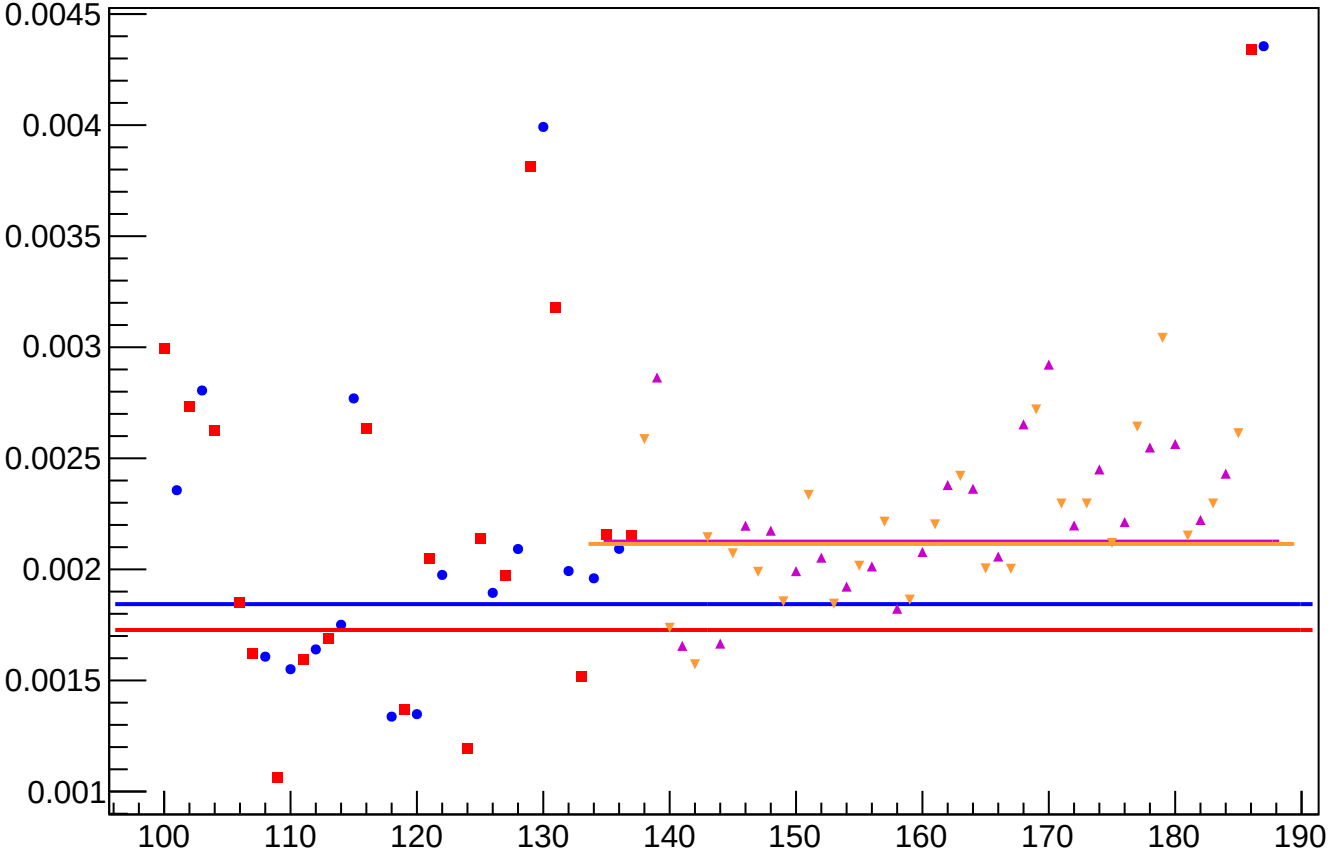
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.9/41

All: 0.000+/-0.000 χ^2/NDF: 101.0/84

- sign 0.000+/-0.000 χ^2/NDF: 37.0/42

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 1024914.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

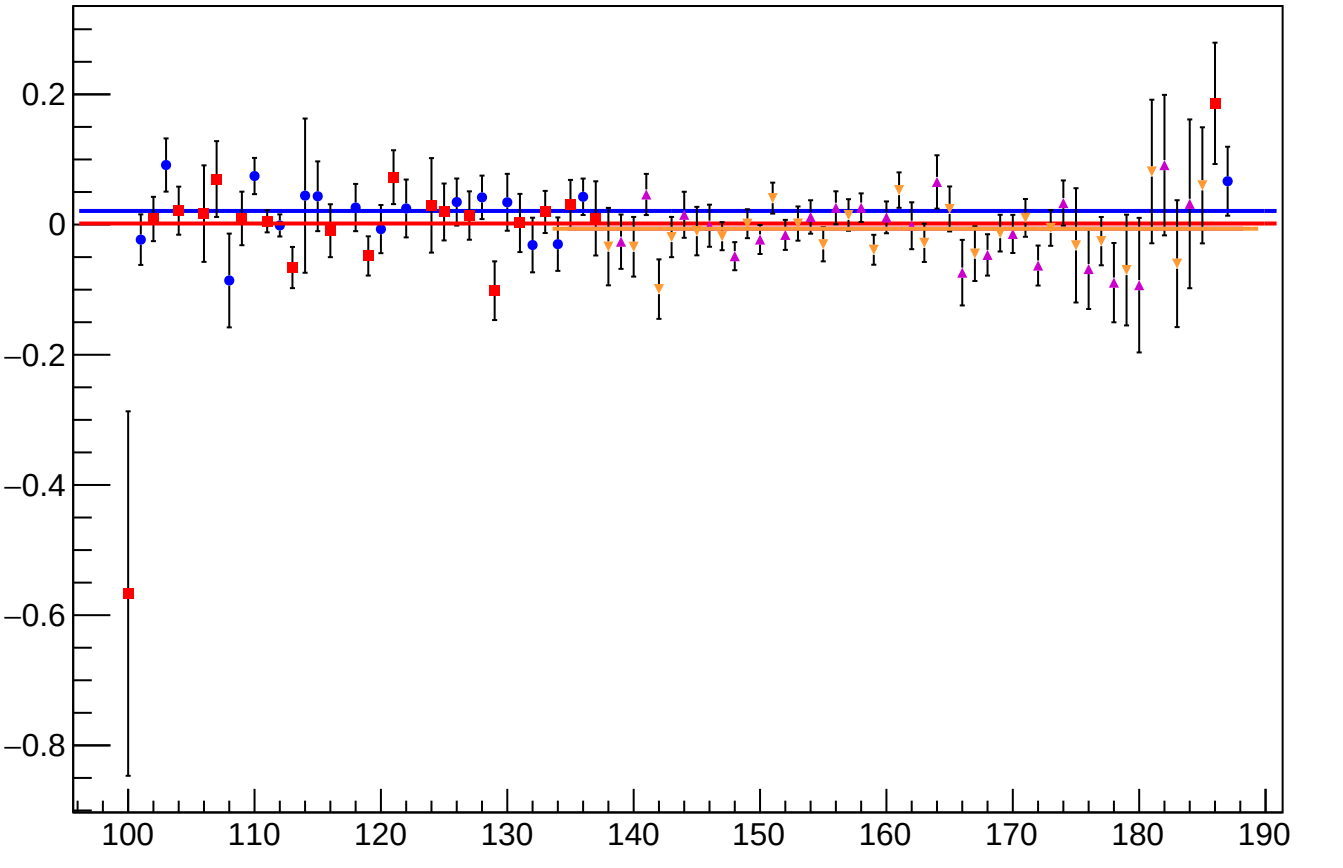
Right Out: 0.002+/-0.000 χ^2/NDF: 1777137.9/19

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 1969035.8/41

All: 0.002+/-0.000 χ^2/NDF: 5062317.2/84

- sign 0.002+/-0.000 χ^2/NDF: 3077839.1/42



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.002+/-0.008 χ^2/NDF: 26.8/19

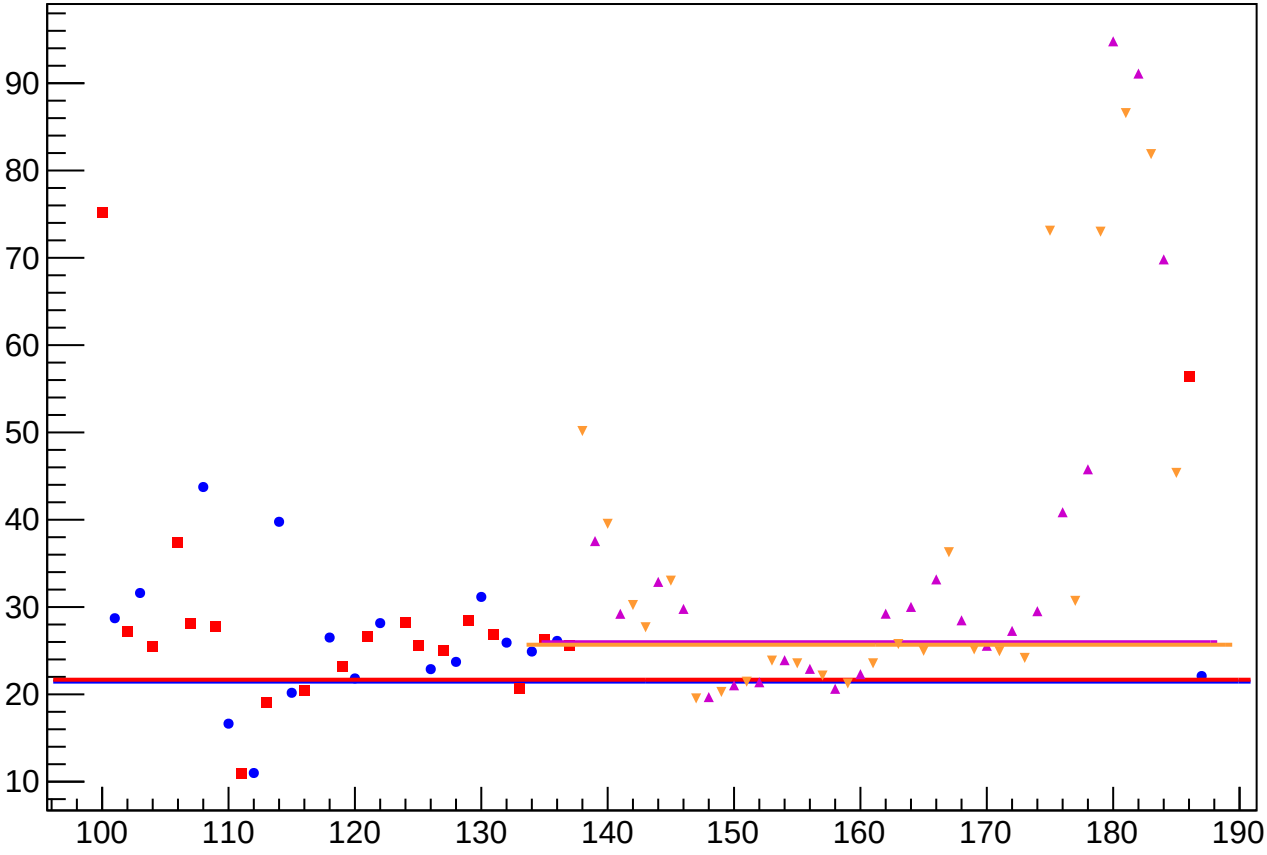
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 46.9/41

All: 0.000+/-0.004 χ^2/NDF: 103.5/84

- sign -0.003+/-0.005 χ^2/NDF: 55.8/42

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.460+/-0.006 χ^2/NDF: 1541157.7/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

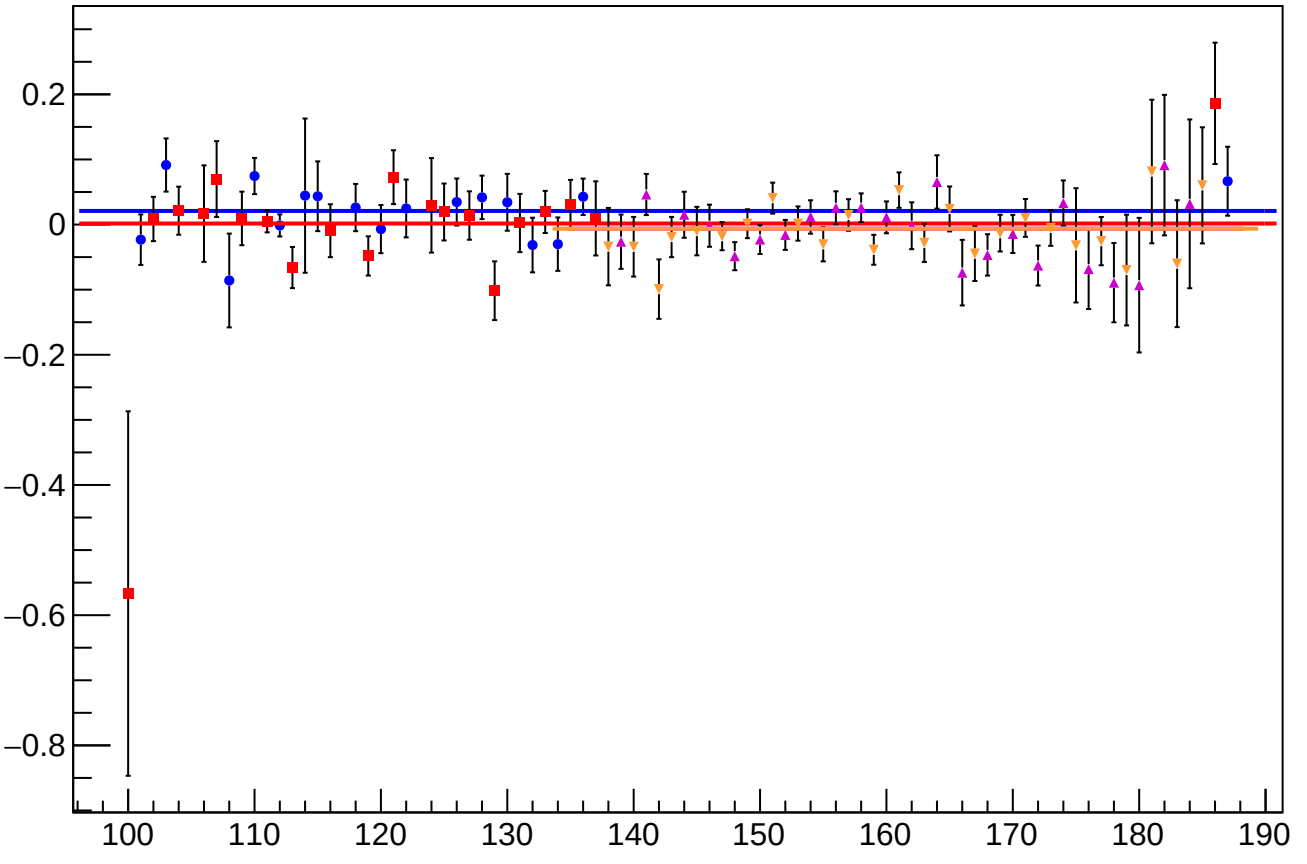
Right Out: 21.678+/-0.006 χ^2/NDF: 1591280.5/19

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.174+/-0.004 χ^2/NDF: 5724908.4/41

All: 24.256+/-0.003 χ^2/NDF: 10754402.0/84

- sign 24.342+/-0.004 χ^2/NDF: 5028442.6/42



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

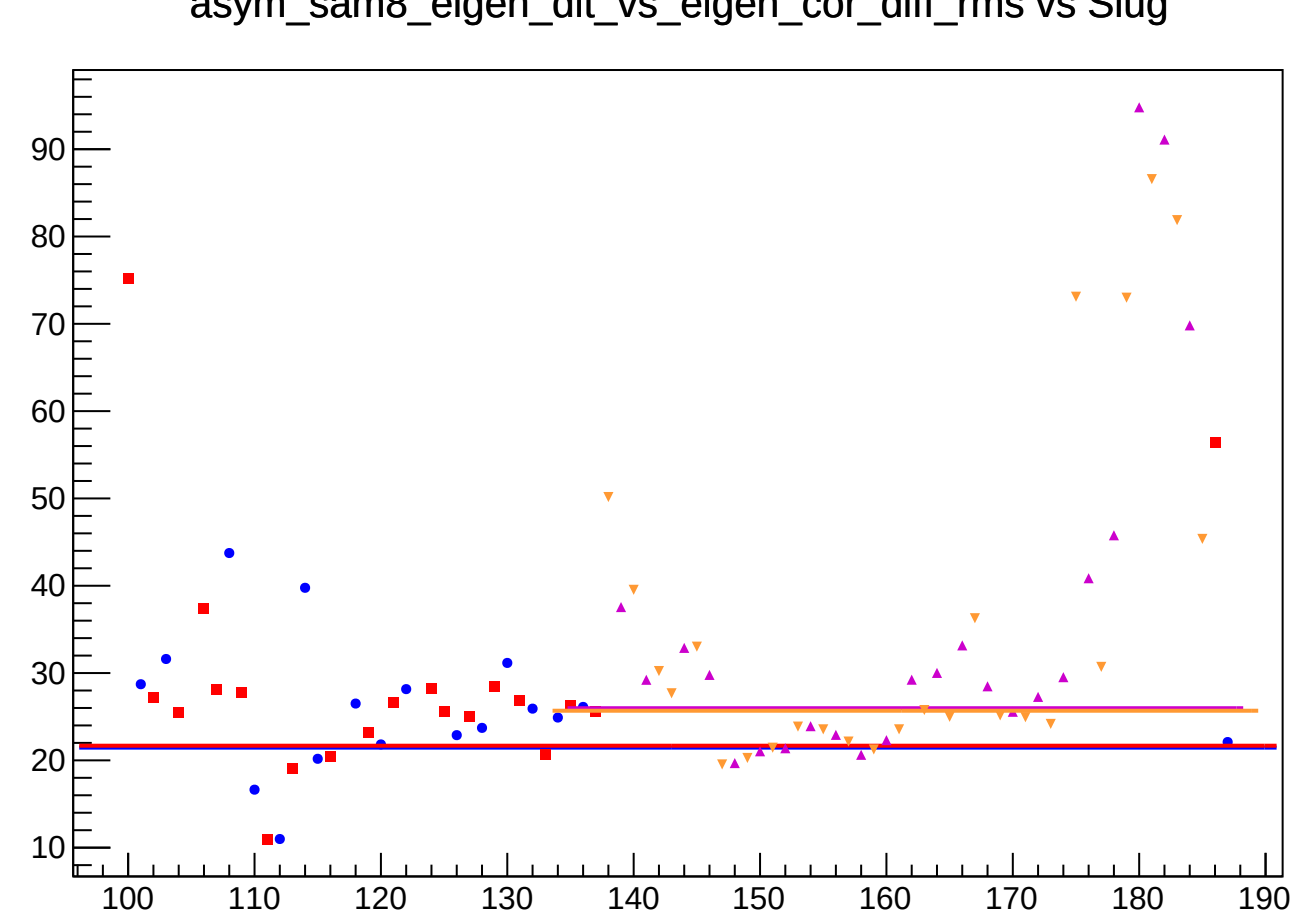
Right Out: 0.002+/-0.008 χ^2/NDF: 26.8/19

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign 0.003+/-0.005 χ^2/NDF: 46.9/41

All: 0.000+/-0.004 χ^2/NDF: 103.5/84

- sign -0.003+/-0.005 χ^2/NDF: 55.8/42



Right In: 21.460+/-0.006 χ^2/NDF: 1541157.7/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

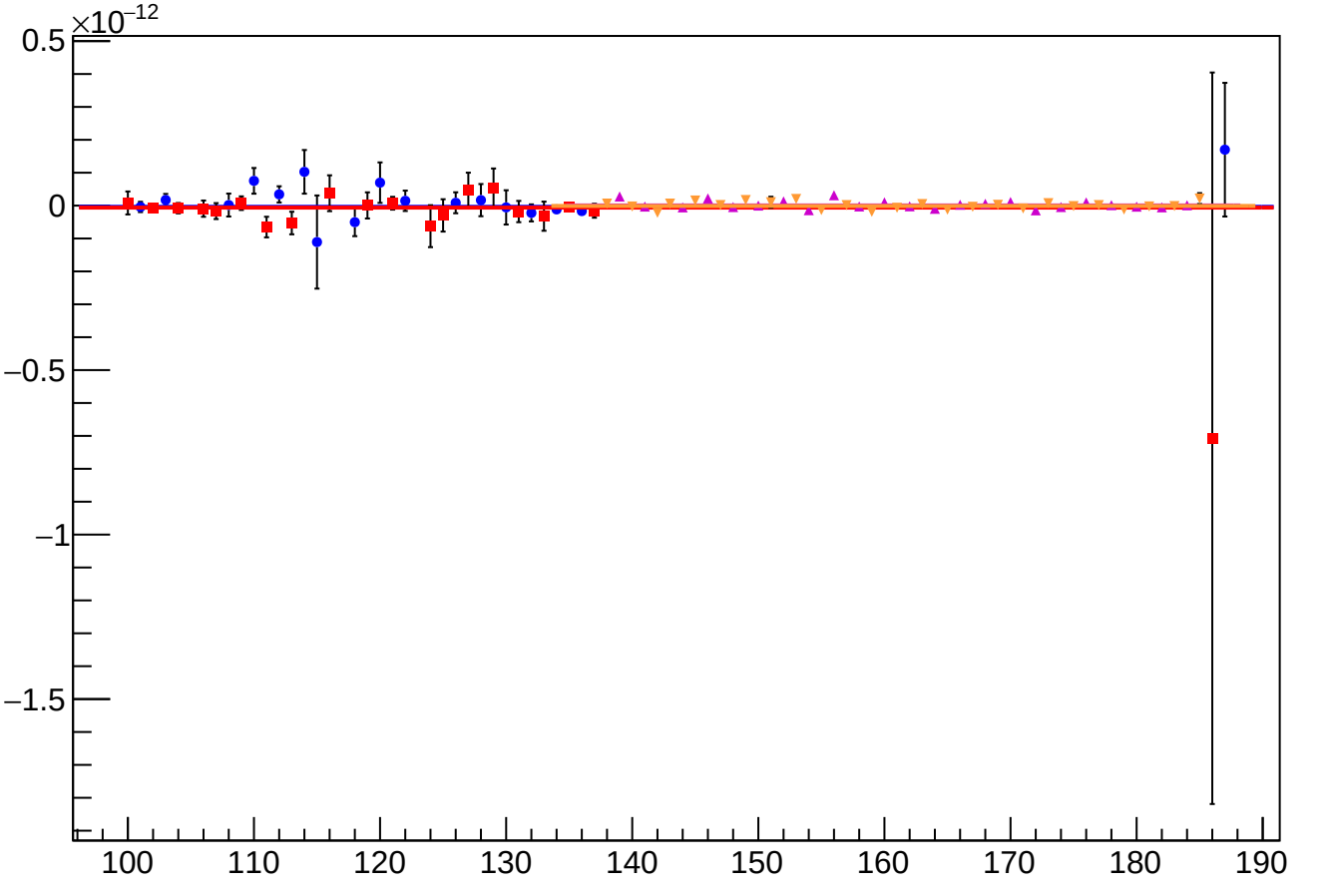
Right Out: 21.678+/-0.006 χ^2/NDF: 1591280.5/19

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 24.174+/-0.004 χ^2/NDF: 5724908.4/41

All: 24.256+/-0.003 χ^2/NDF: 10754402.0/84

- sign 24.342+/-0.004 χ^2/NDF: 5028442.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

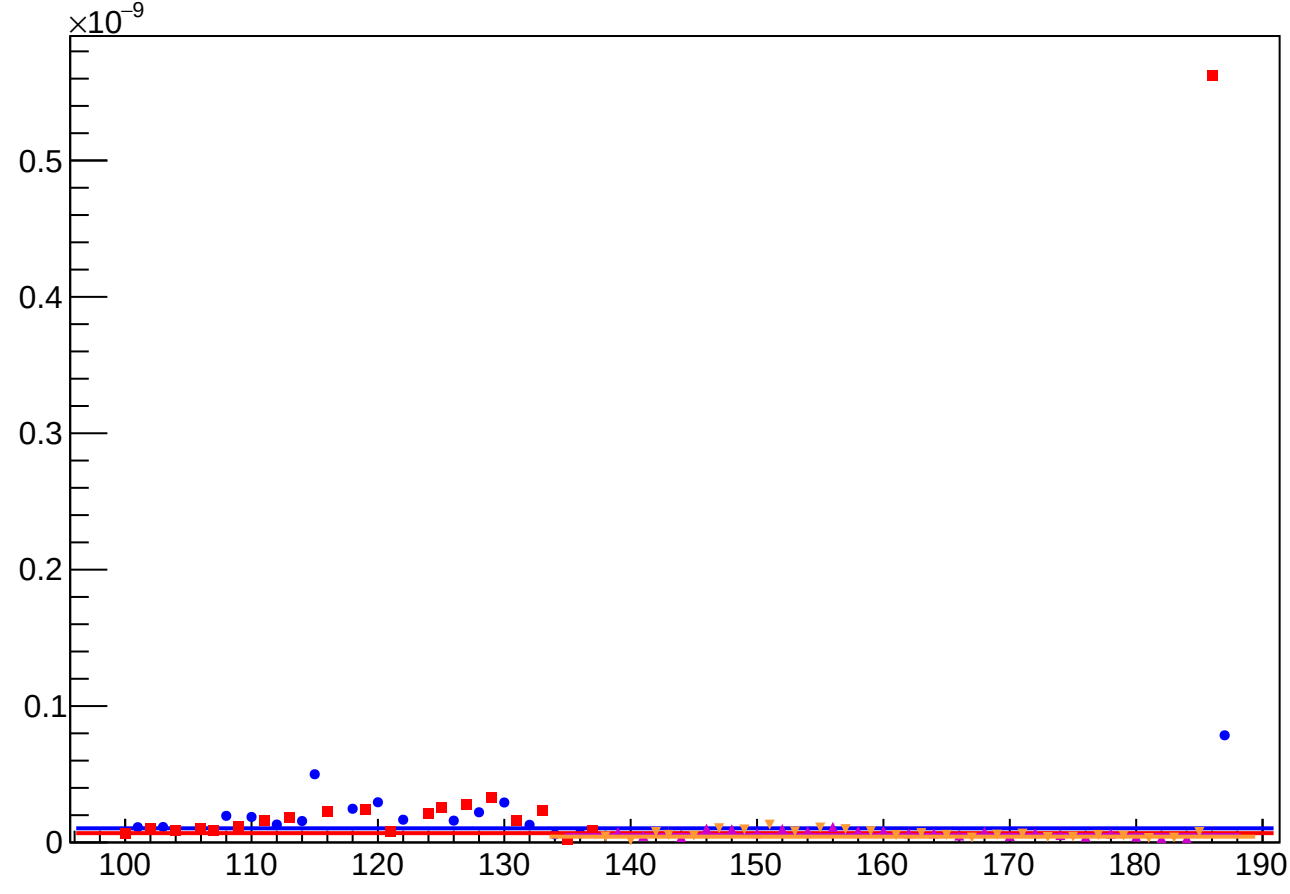
Right Out: -0.000+/-0.000 χ^2/NDF: 11.7/19

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.9/41

All: -0.000+/-0.000 χ^2/NDF: 90.5/84

- sign -0.000+/-0.000 χ^2/NDF: 43.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 2176940.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4521266.1/19

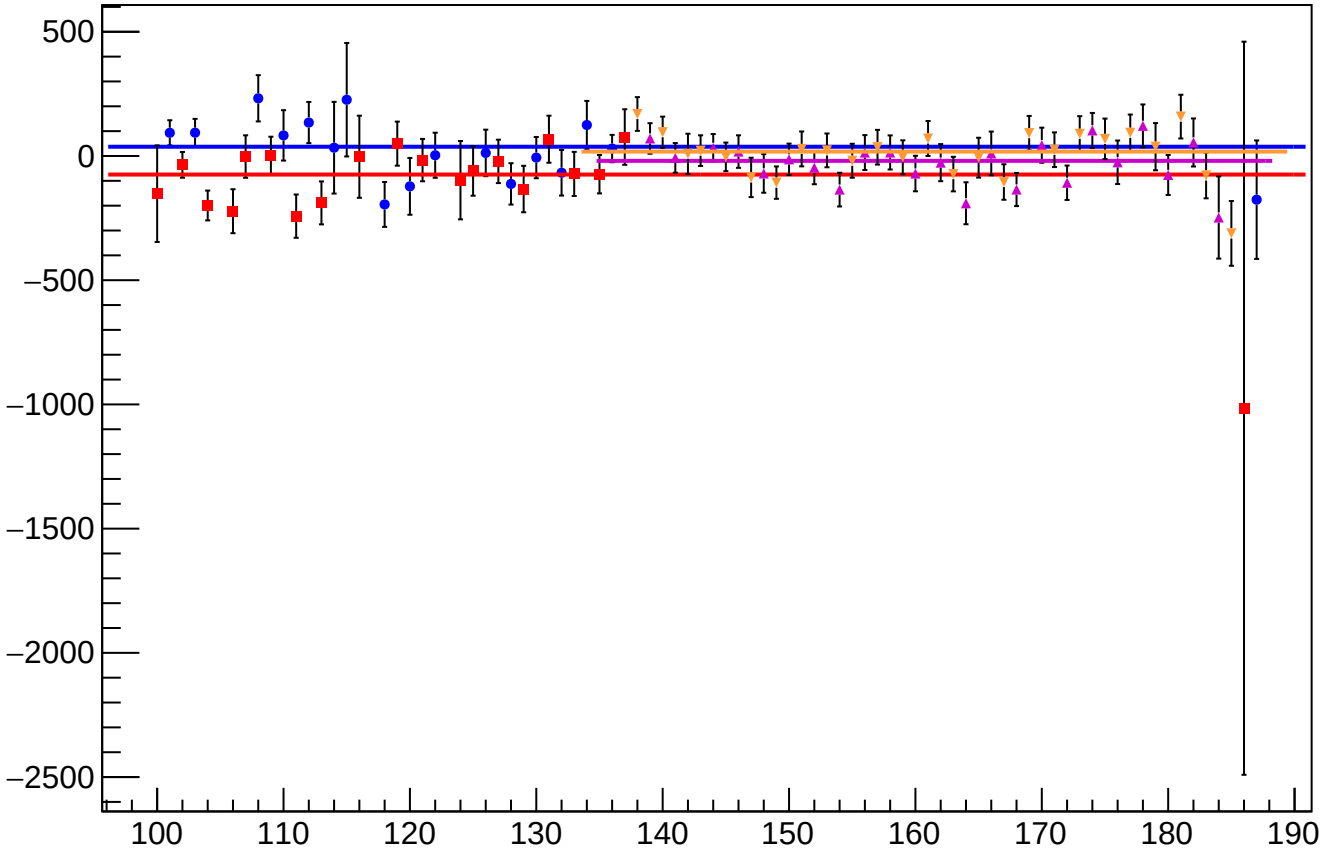
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 9902286.6/41

All: 0.000+/-0.000 χ^2/NDF: 17883323.1/84

- sign 0.000+/-0.000 χ^2/NDF: 7506829.4/42

reg_asym_sam_15_avg_mean vs Slug



Right In: 37.220+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -74.748+/-19.800 χ^2/NDF: 22.9/19

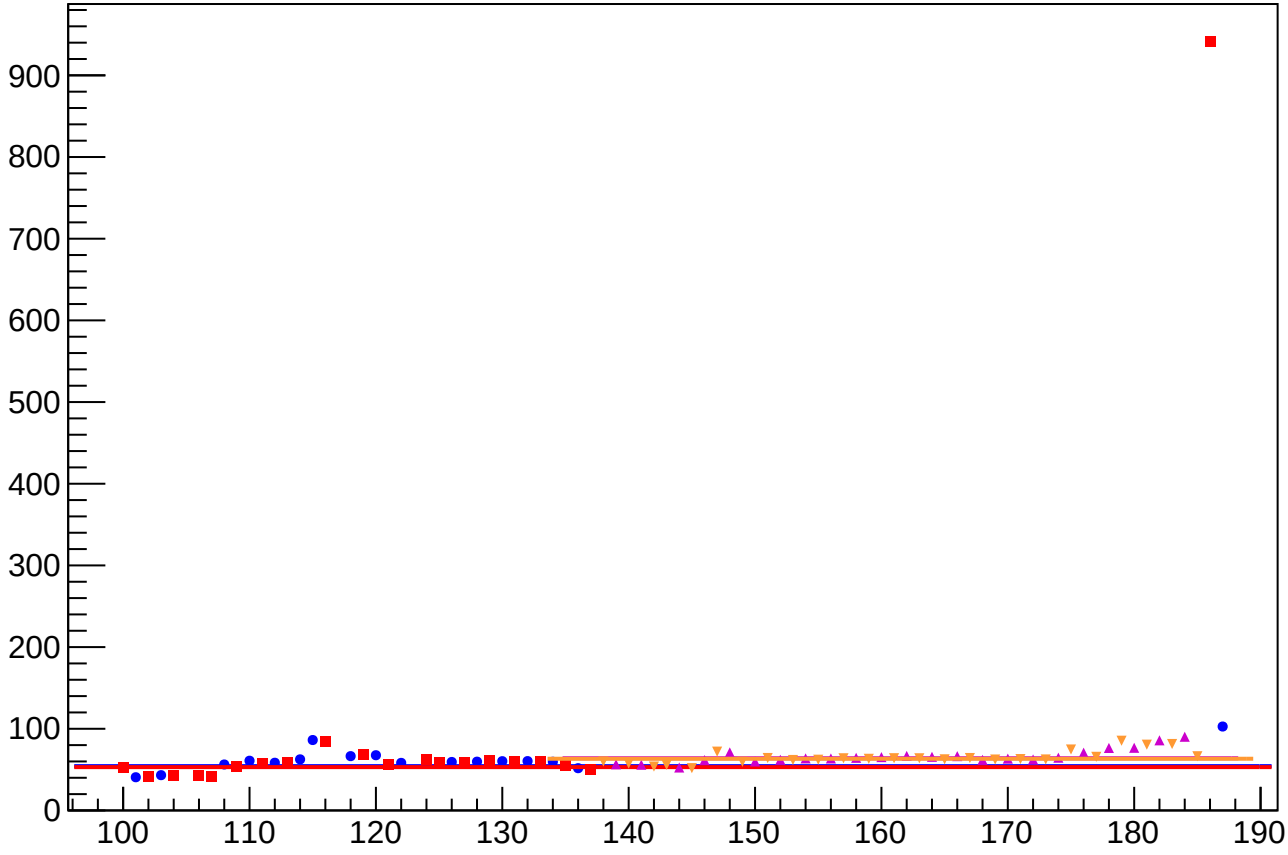
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.342+/-11.804 χ^2/NDF: 56.3/41

All: -7.266+/-8.407 χ^2/NDF: 124.8/84

- sign -39.805+/-11.977 χ^2/NDF: 54.0/42

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.268+/-0.014 χ^2/NDF: 476582.0/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 53.049+/-0.014 χ^2/NDF: 1150012.4/19

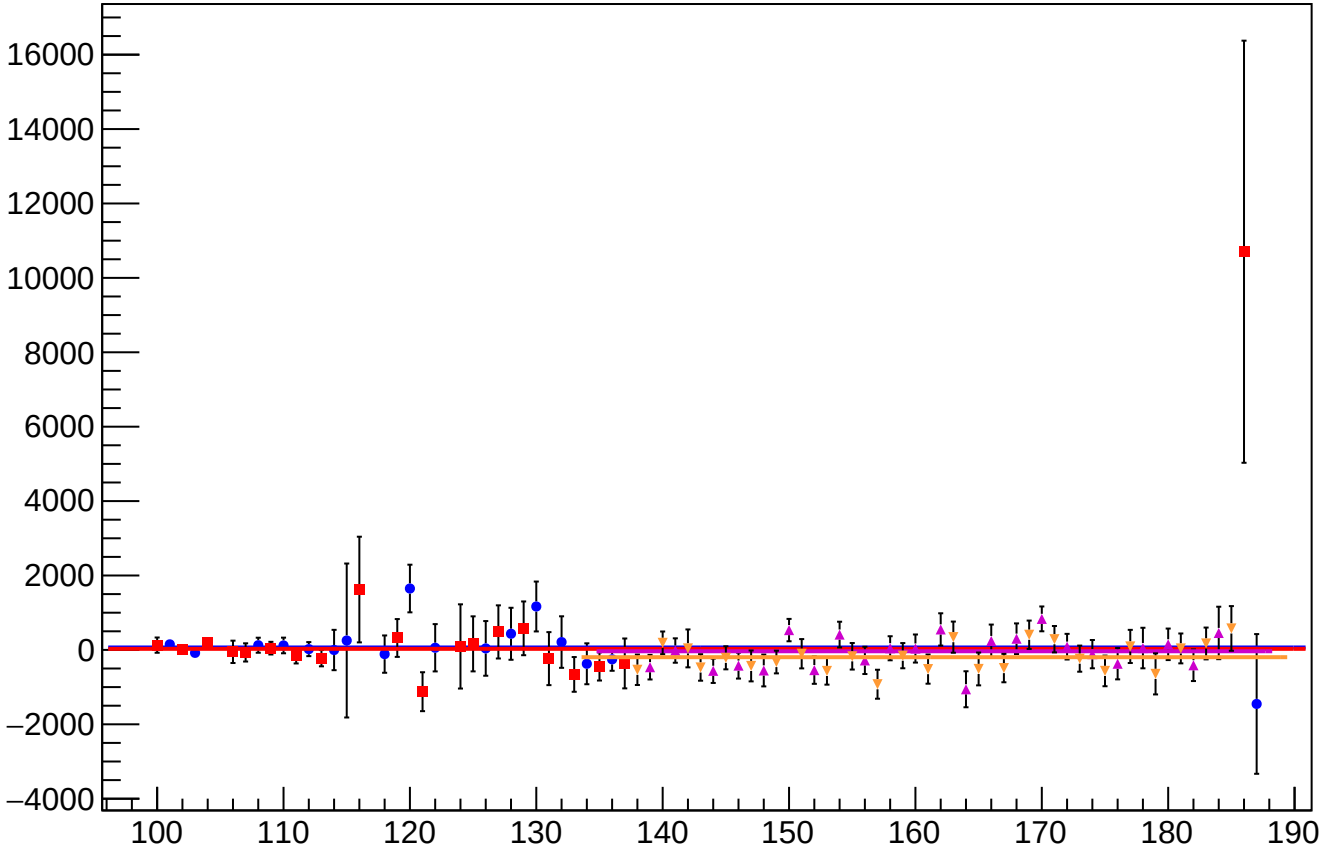
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.266+/-0.008 χ^2/NDF: 1236316.6/41

All: 60.106+/-0.006 χ^2/NDF: 3214568.1/84

- sign 59.941+/-0.008 χ^2/NDF: 1977506.9/42

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 64.923+/-46.464 χ^2/NDF: 16.4/16

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 28.689+/-50.289 χ^2/NDF: 21.5/19

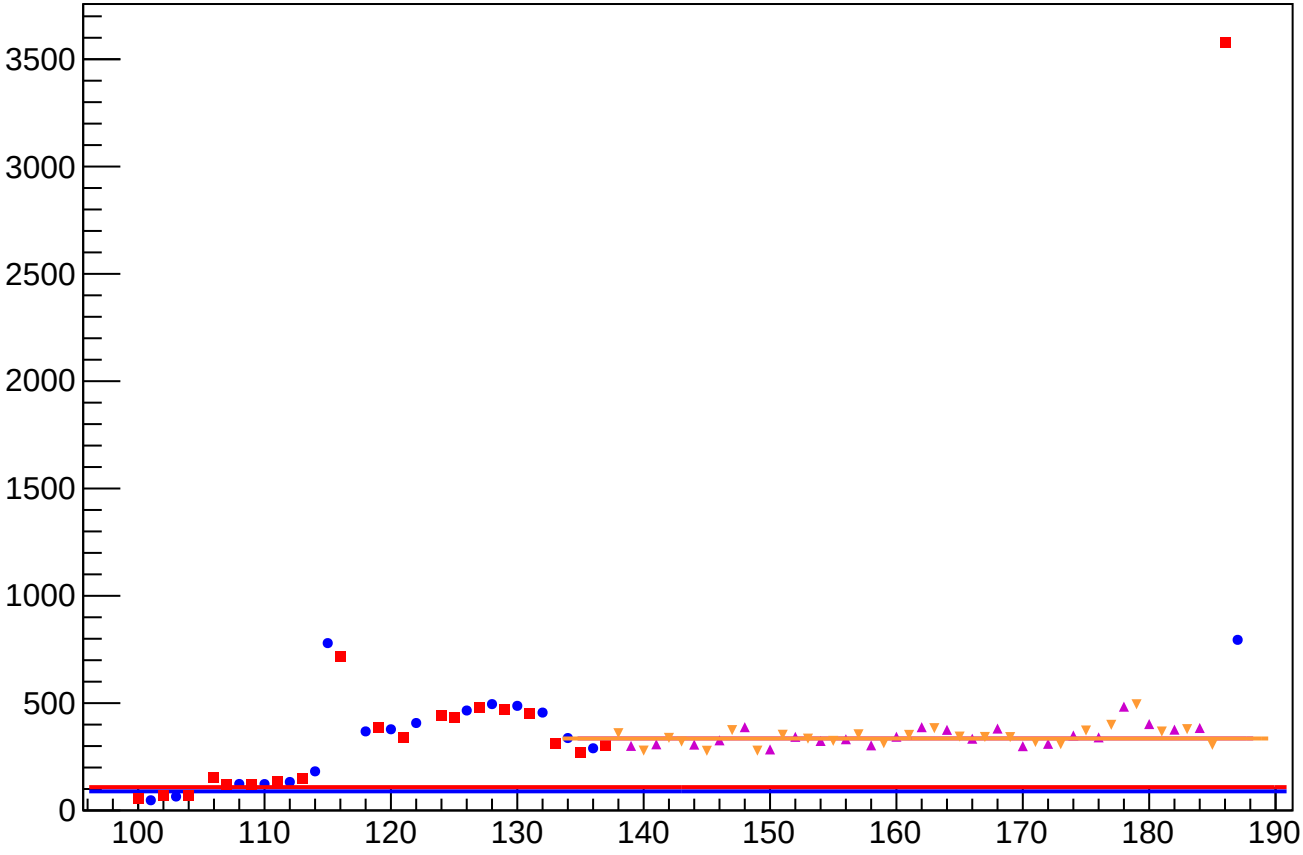
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -4.595+/-39.795 χ^2/NDF: 45.4/41

All: 2.224+/-29.034 χ^2/NDF: 98.5/84

- sign 9.985+/-42.456 χ^2/NDF: 53.1/42

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 89.090+/-0.033 χ^2/NDF: 6930792.0/16

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 108.658+/-0.036 χ^2/NDF: 6110228.8/19

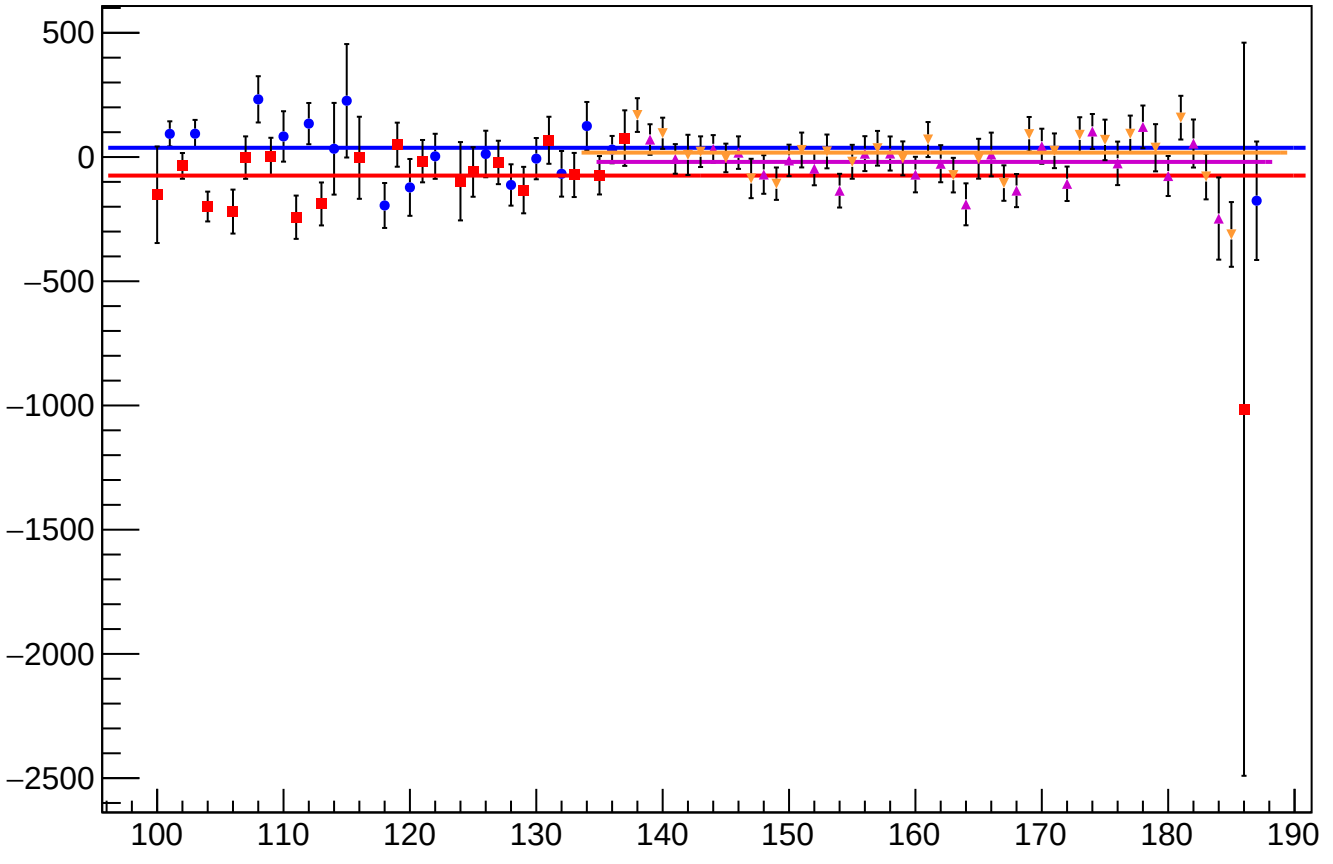
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 154.694+/-0.028 χ^2/NDF: 22456004.6/41

All: 163.645+/-0.021 χ^2/NDF: 40971043.2/84

- sign 173.833+/-0.030 χ^2/NDF: 18298668.4/42

cor_asym_sam_15_avg_mean vs Slug



Right In: 37.232+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -74.612+/-19.801 χ^2/NDF: 22.8/19

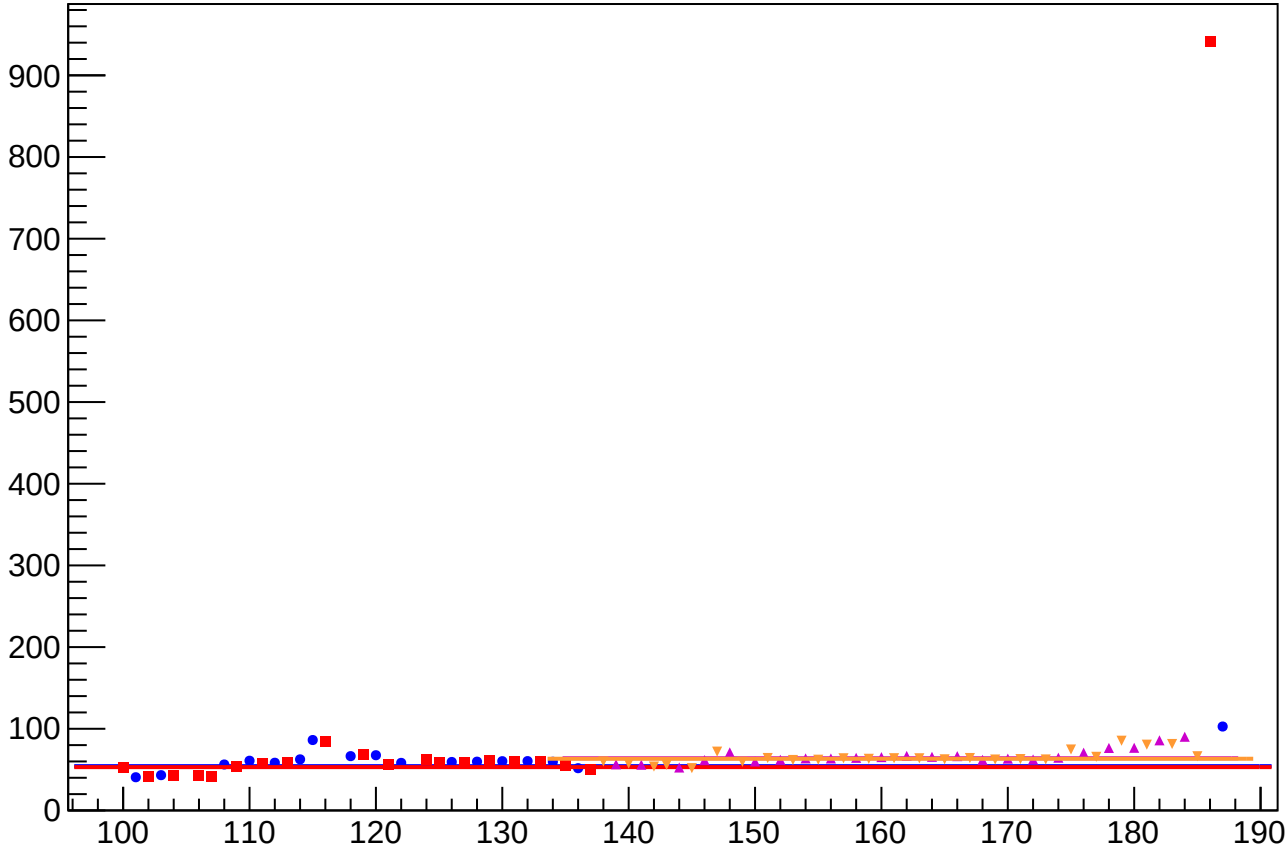
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.348+/-11.804 χ^2/NDF: 56.3/41

All: -7.236+/-8.407 χ^2/NDF: 124.7/84

- sign -39.753+/-11.977 χ^2/NDF: 53.9/42

cor_asym_sam_15_avg_rms vs Slug



Right In: 54.268+/-0.014 χ^2/NDF: 476581.4/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 53.047+/-0.014 χ^2/NDF: 1150323.7/19

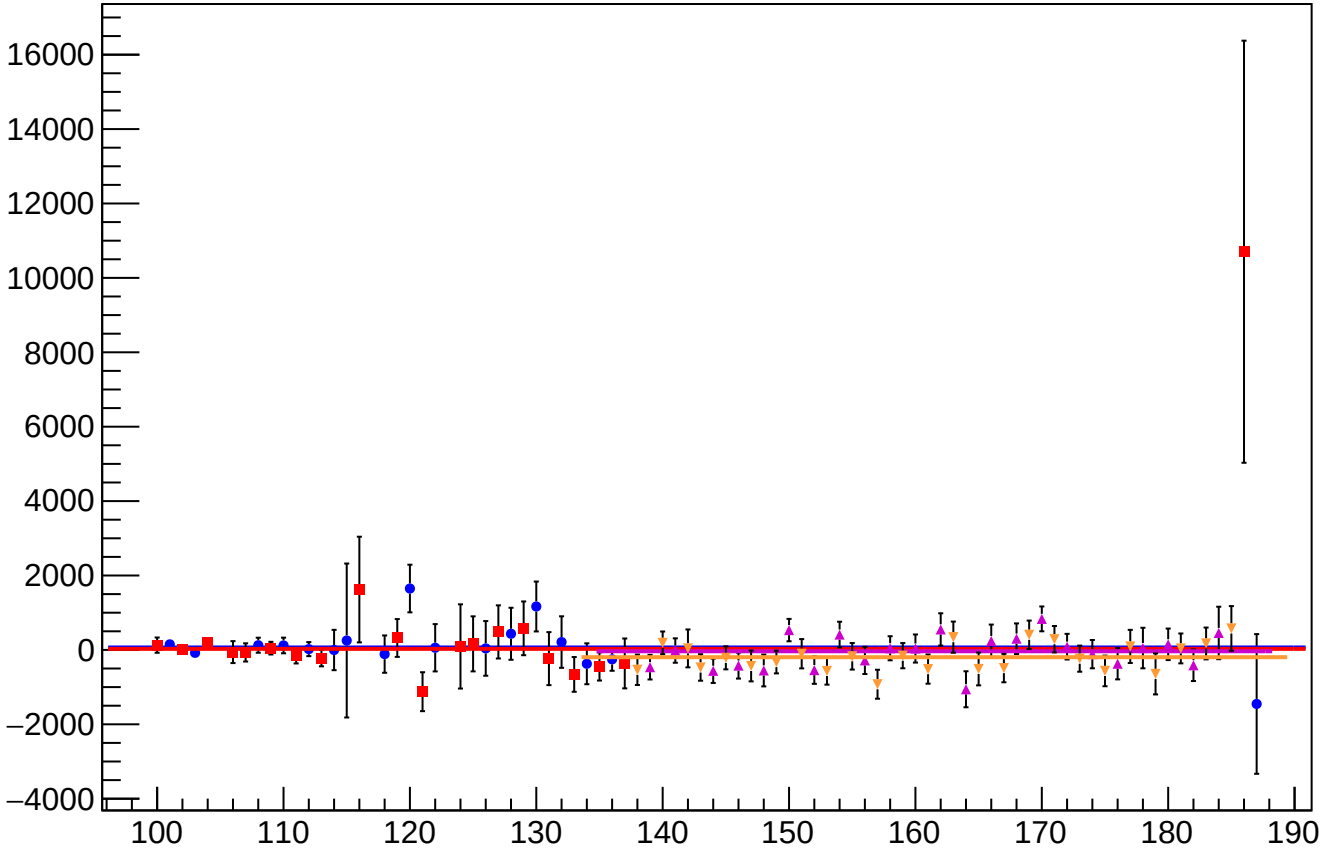
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.266+/-0.008 χ^2/NDF: 1236315.5/41

All: 60.106+/-0.006 χ^2/NDF: 3215002.5/84

- sign 59.941+/-0.008 χ^2/NDF: 1977940.1/42

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 64.927+/-46.463 χ^2/NDF: 16.4/16

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 28.243+/-50.247 χ^2/NDF: 21.5/19

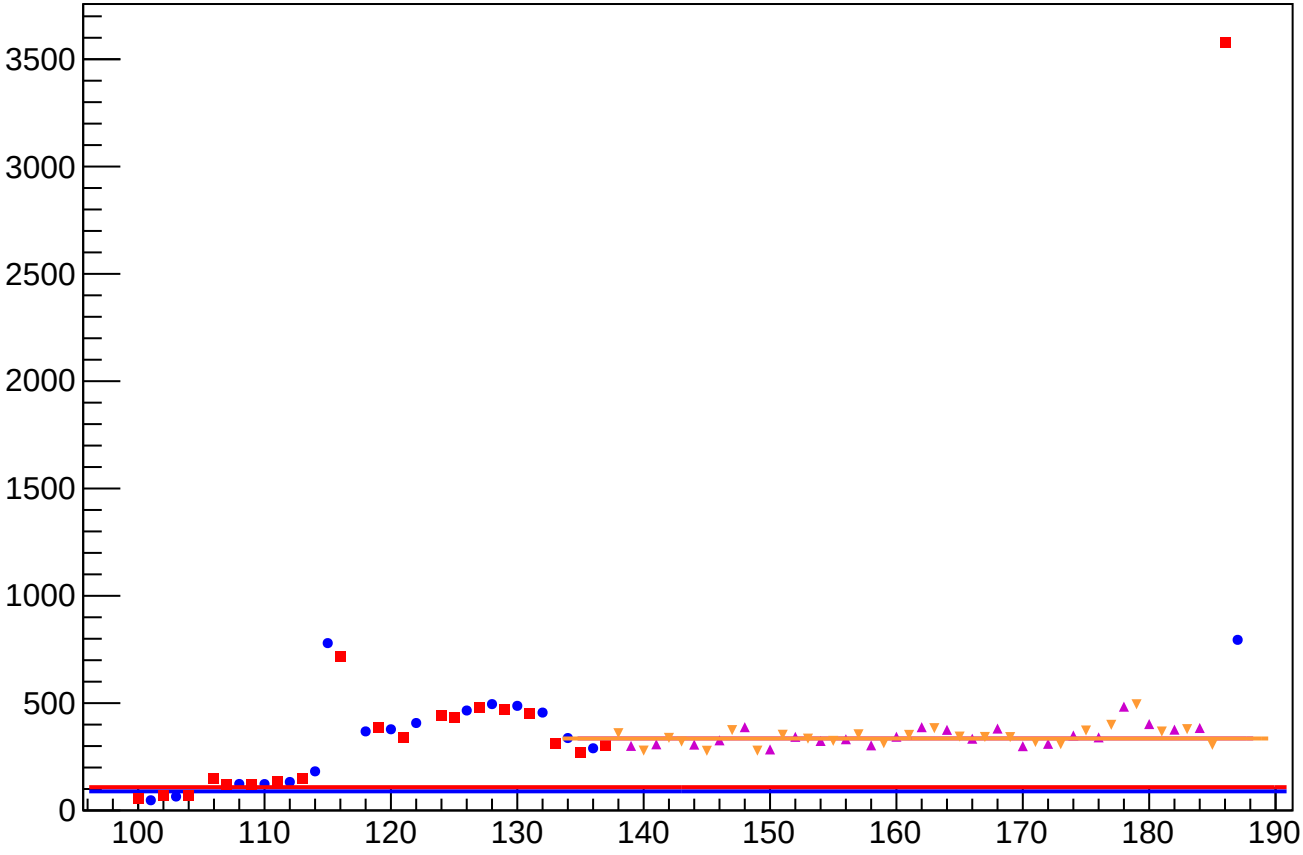
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -4.588+/-39.794 χ^2/NDF: 45.4/41

All: 2.094+/-29.026 χ^2/NDF: 98.5/84

- sign 9.691+/-42.430 χ^2/NDF: 53.1/42

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 89.088+/-0.033 χ^2/NDF: 6930873.8/16

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 108.479+/-0.036 χ^2/NDF: 6102328.7/19

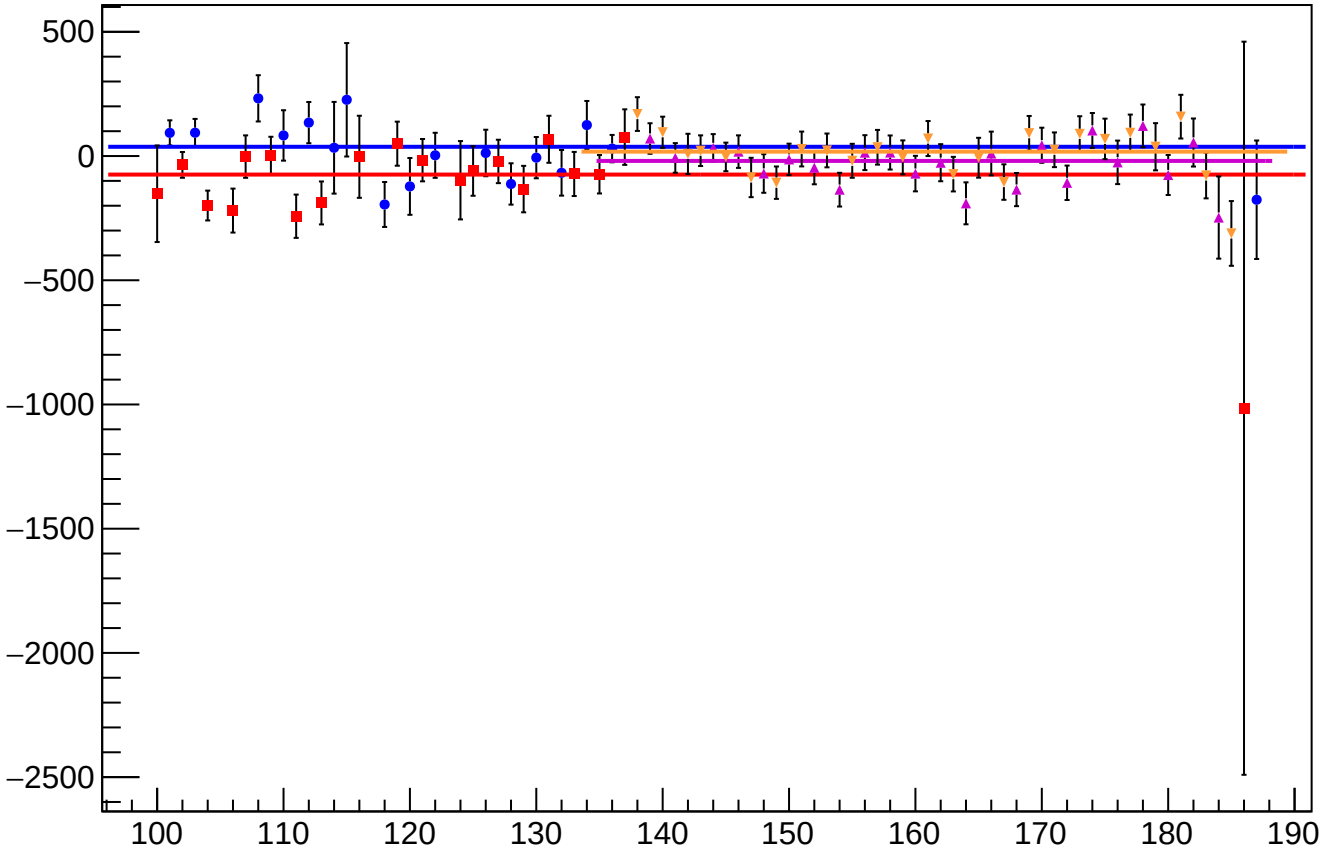
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 154.690+/-0.028 χ^2/NDF: 22456576.3/41

All: 163.552+/-0.021 χ^2/NDF: 40983475.9/84

- sign 173.626+/-0.030 χ^2/NDF: 18314947.9/42

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 37.232+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -74.612+/-19.801 χ^2/NDF: 22.8/19

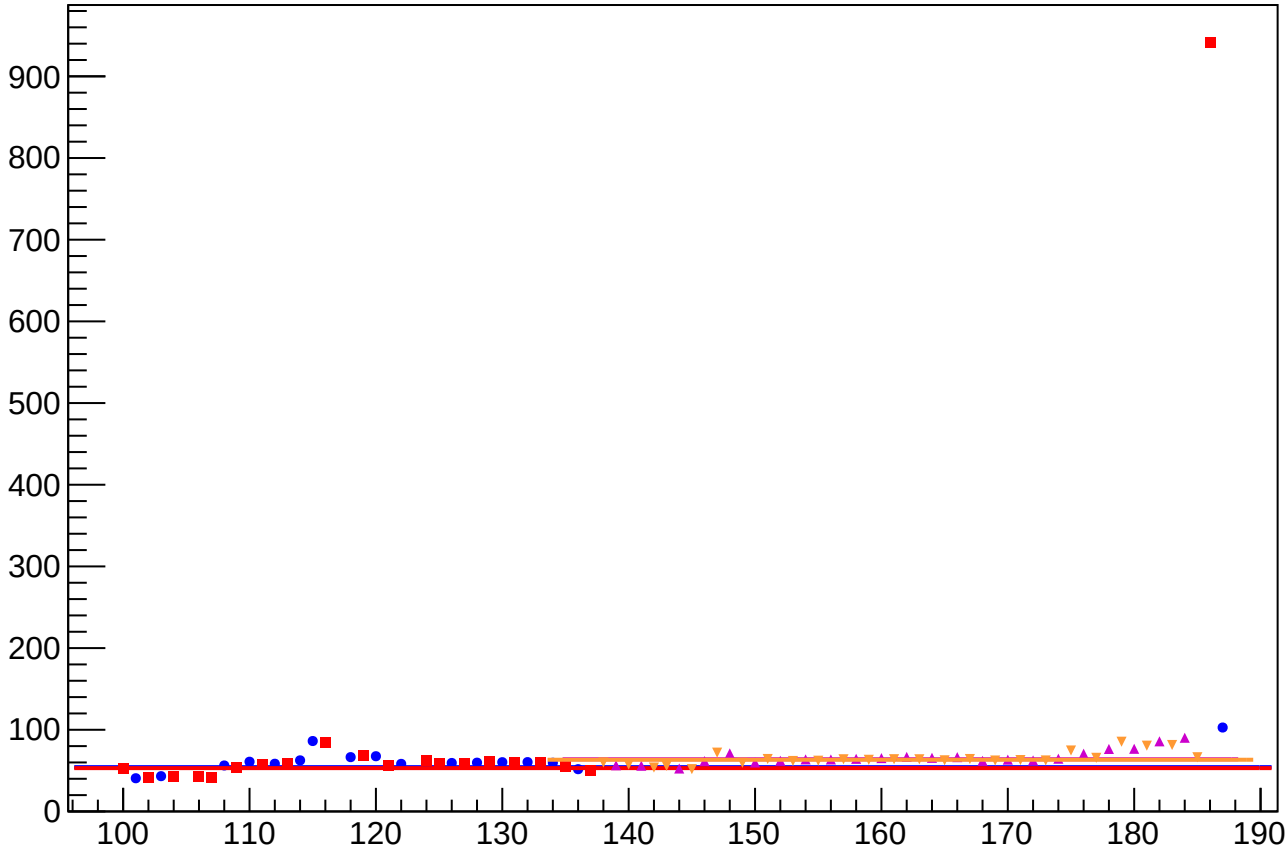
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 24.348+/-11.804 χ^2/NDF: 56.3/41

All: -7.236+/-8.407 χ^2/NDF: 124.7/84

- sign -39.753+/-11.977 χ^2/NDF: 53.9/42

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 54.268+/-0.014 χ^2/NDF: 476581.4/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 53.047+/-0.014 χ^2/NDF: 1150323.7/19

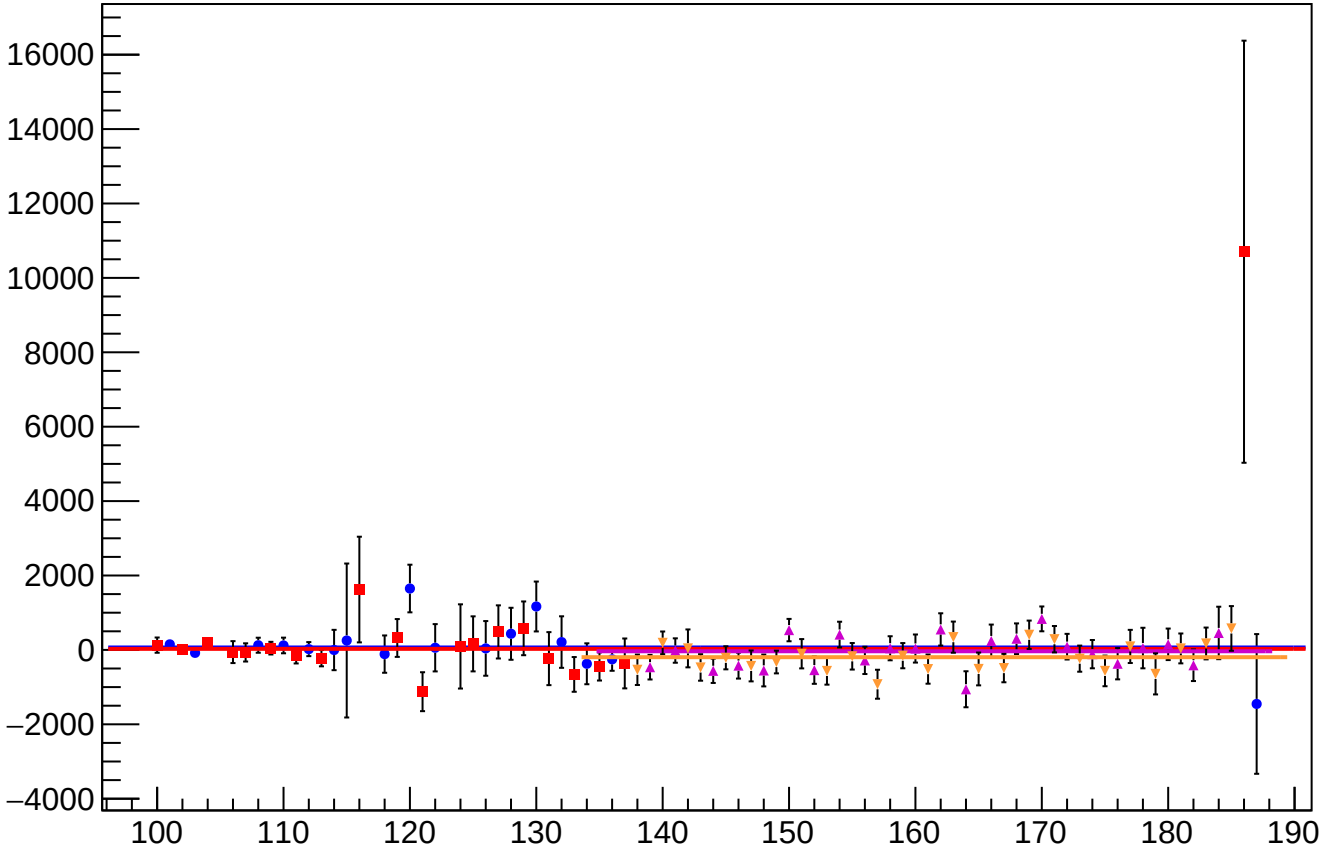
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 60.266+/-0.008 χ^2/NDF: 1236315.5/41

All: 60.106+/-0.006 χ^2/NDF: 3215002.5/84

- sign 59.941+/-0.008 χ^2/NDF: 1977940.1/42

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 64.927+/-46.463 χ^2/NDF: 16.4/16

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 28.243+/-50.247 χ^2/NDF: 21.5/19

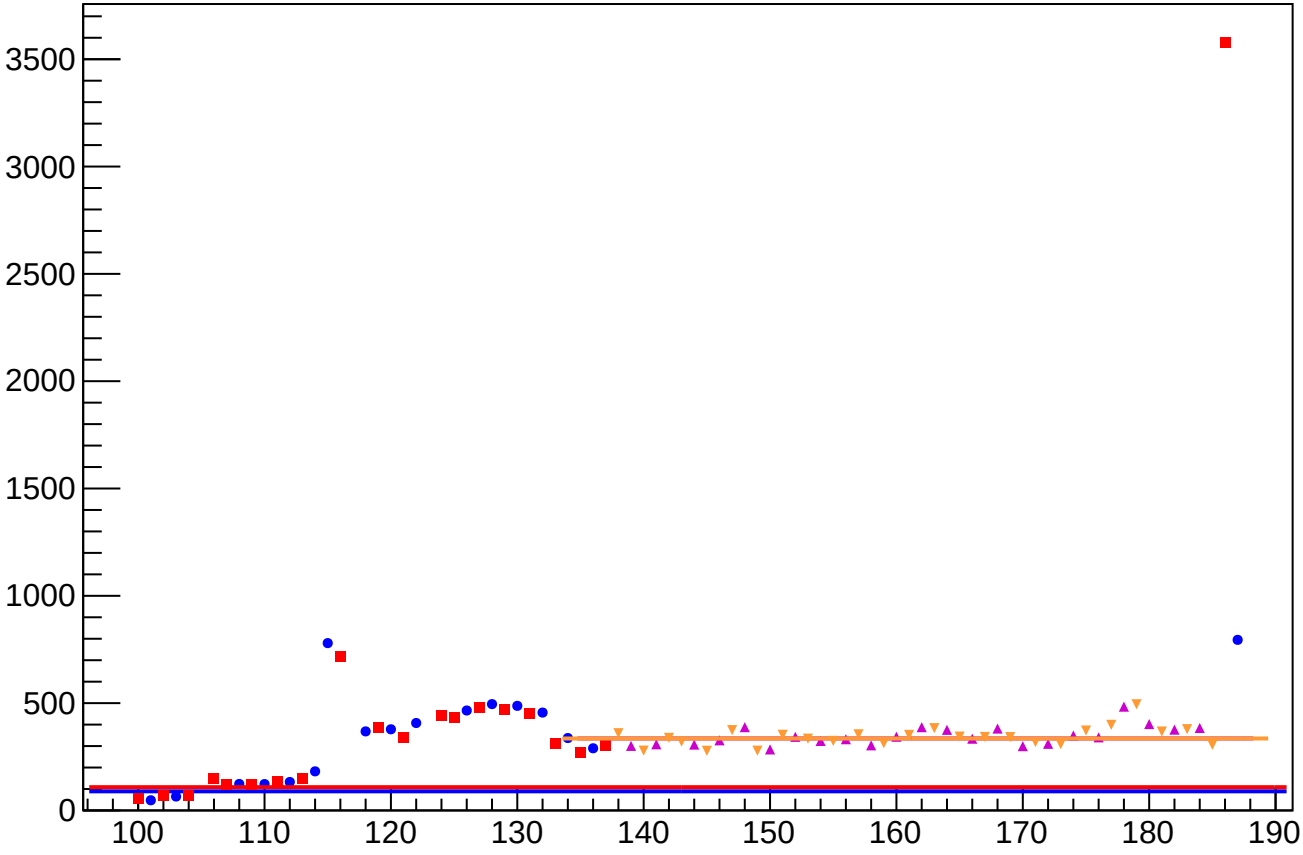
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -4.588+/-39.794 χ^2/NDF: 45.4/41

All: 2.094+/-29.026 χ^2/NDF: 98.5/84

- sign 9.691+/-42.430 χ^2/NDF: 53.1/42

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 89.088+/-0.033 χ^2/NDF: 6930873.8/16

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 108.479+/-0.036 χ^2/NDF: 6102328.7/19

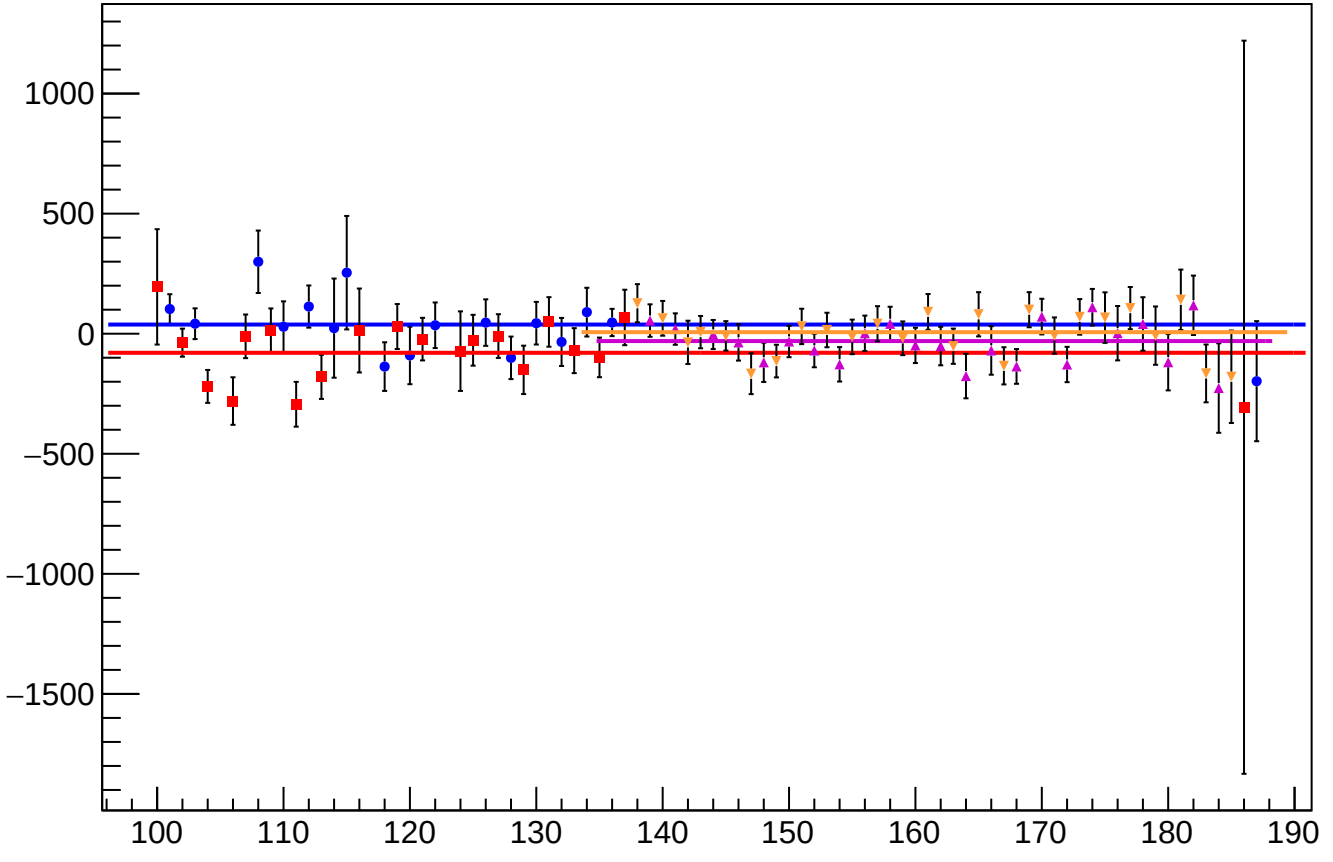
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 154.690+/-0.028 χ^2/NDF: 22456576.3/41

All: 163.552+/-0.021 χ^2/NDF: 40983475.9/84

- sign 173.626+/-0.030 χ^2/NDF: 18314947.9/42

dit_asym_sam_15_avg_mean vs Slug



Right In: 38.118+/-22.424 χ^2/NDF: 15.0/16

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -79.424+/-21.575 χ^2/NDF: 24.8/19

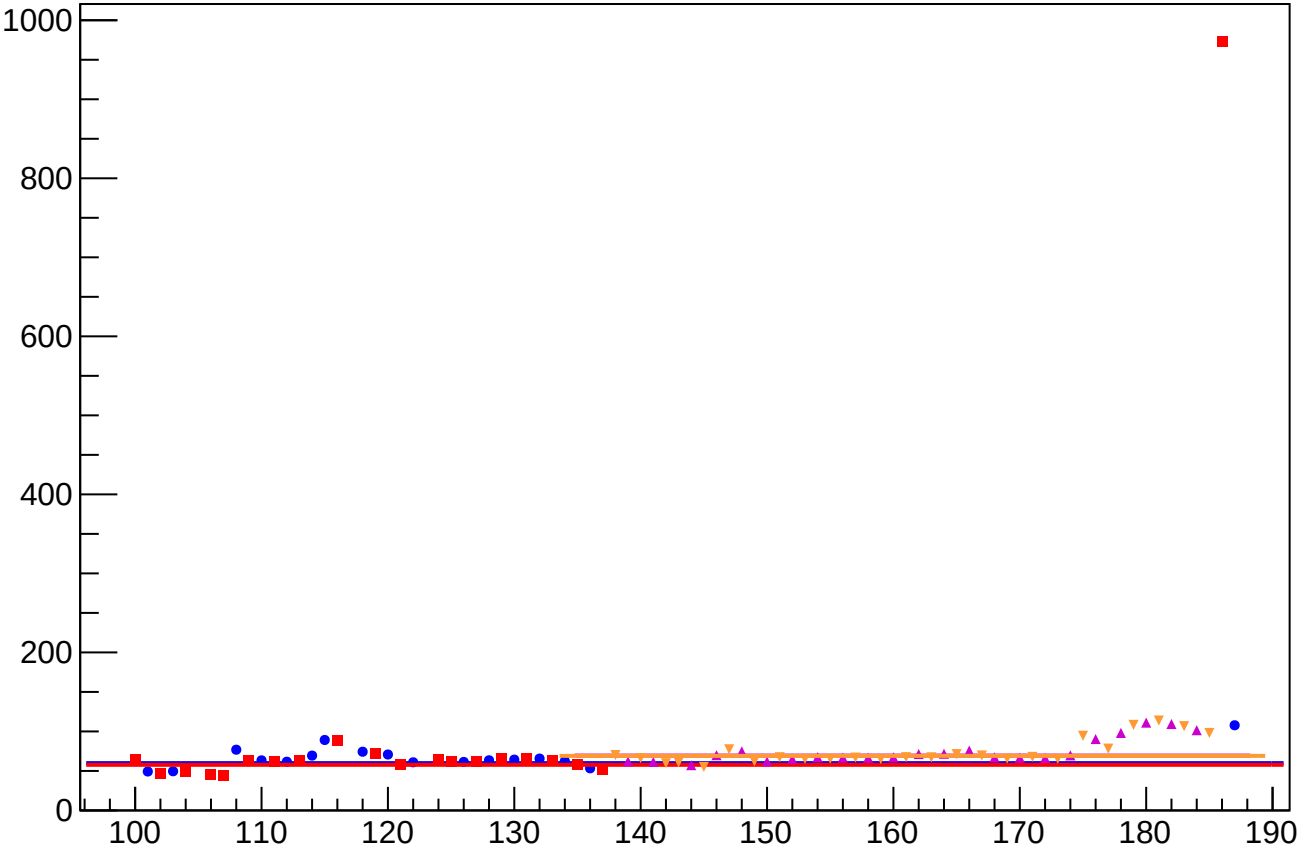
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.126+/-13.012 χ^2/NDF: 41.4/41

All: -15.526+/-9.235 χ^2/NDF: 104.6/84

- sign -48.661+/-13.108 χ^2/NDF: 50.5/42

dit_asym_sam_15_avg_rms vs Slug



Right In: 59.897+/-0.016 χ^2/NDF: 357225.6/16

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 57.750+/-0.015 χ^2/NDF: 1066483.1/19

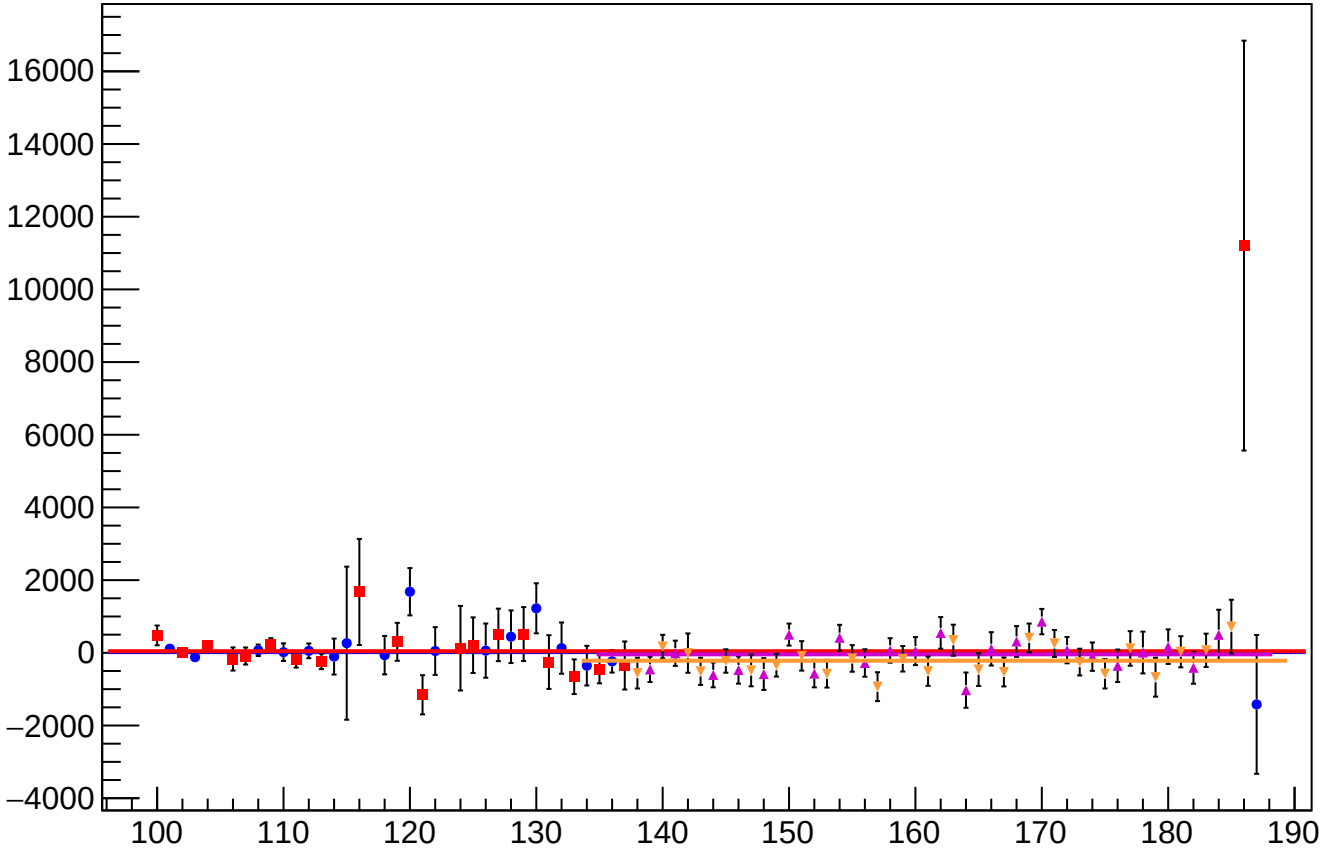
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 65.987+/-0.009 χ^2/NDF: 1653613.1/41

All: 65.558+/-0.007 χ^2/NDF: 4019298.2/84

- sign 65.122+/-0.009 χ^2/NDF: 2361303.9/42

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: 19.707+/-53.564 χ^2/NDF: 15.2/16

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 44.256+/-53.208 χ^2/NDF: 25.4/19

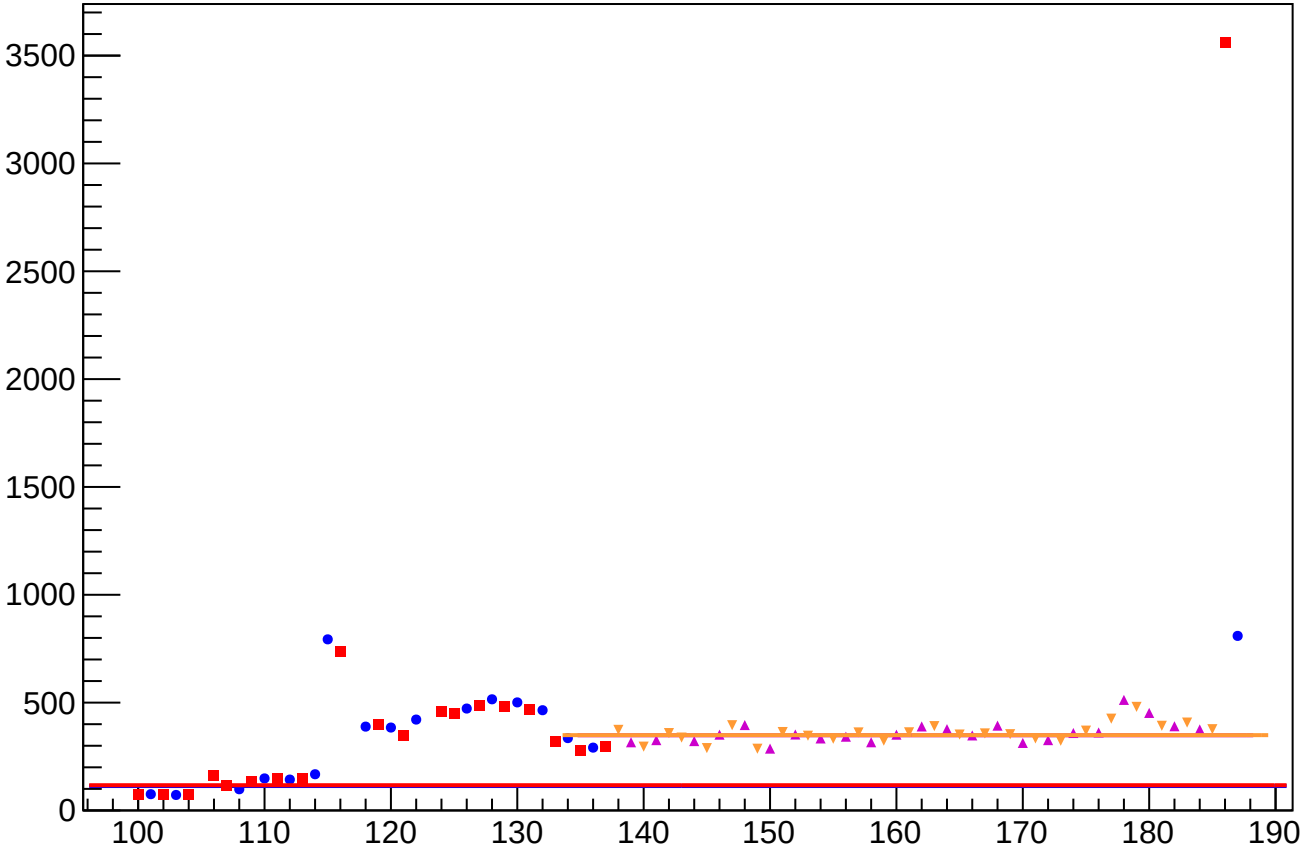
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -53.502+/-44.532 χ^2/NDF: 40.6/41

All: -17.391+/-31.539 χ^2/NDF: 98.1/84

- sign 18.955+/-44.676 χ^2/NDF: 56.2/42

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 113.216+/-0.038 χ^2/NDF: 5865725.7/16

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 117.039+/-0.038 χ^2/NDF: 5887164.1/19

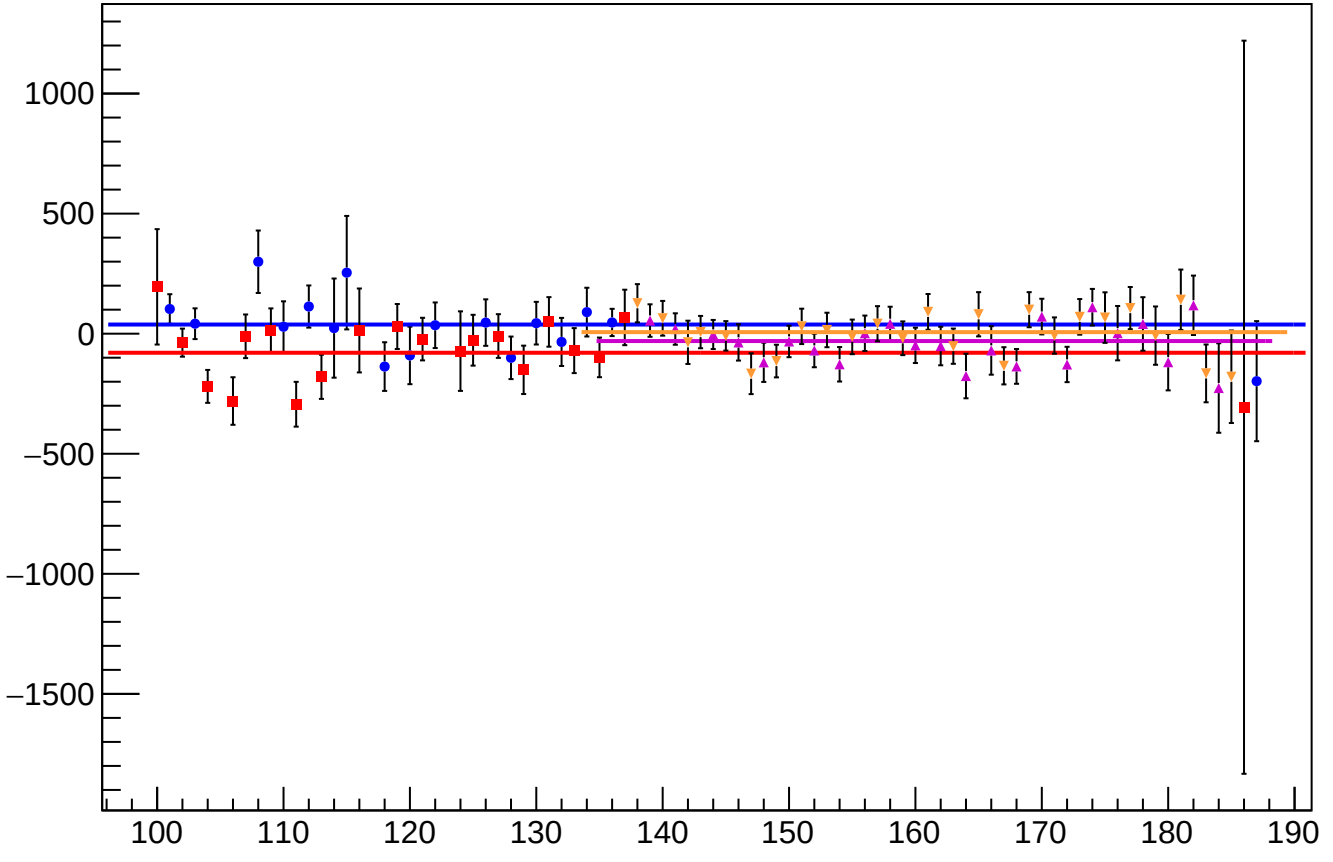
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 186.087+/-0.031 χ^2/NDF: 18375719.5/41

All: 185.712+/-0.022 χ^2/NDF: 35959255.3/84

- sign 185.336+/-0.032 χ^2/NDF: 17583252.6/42

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 38.117+/-22.424 χ^2/NDF: 15.0/16

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -79.423+/-21.575 χ^2/NDF: 24.8/19

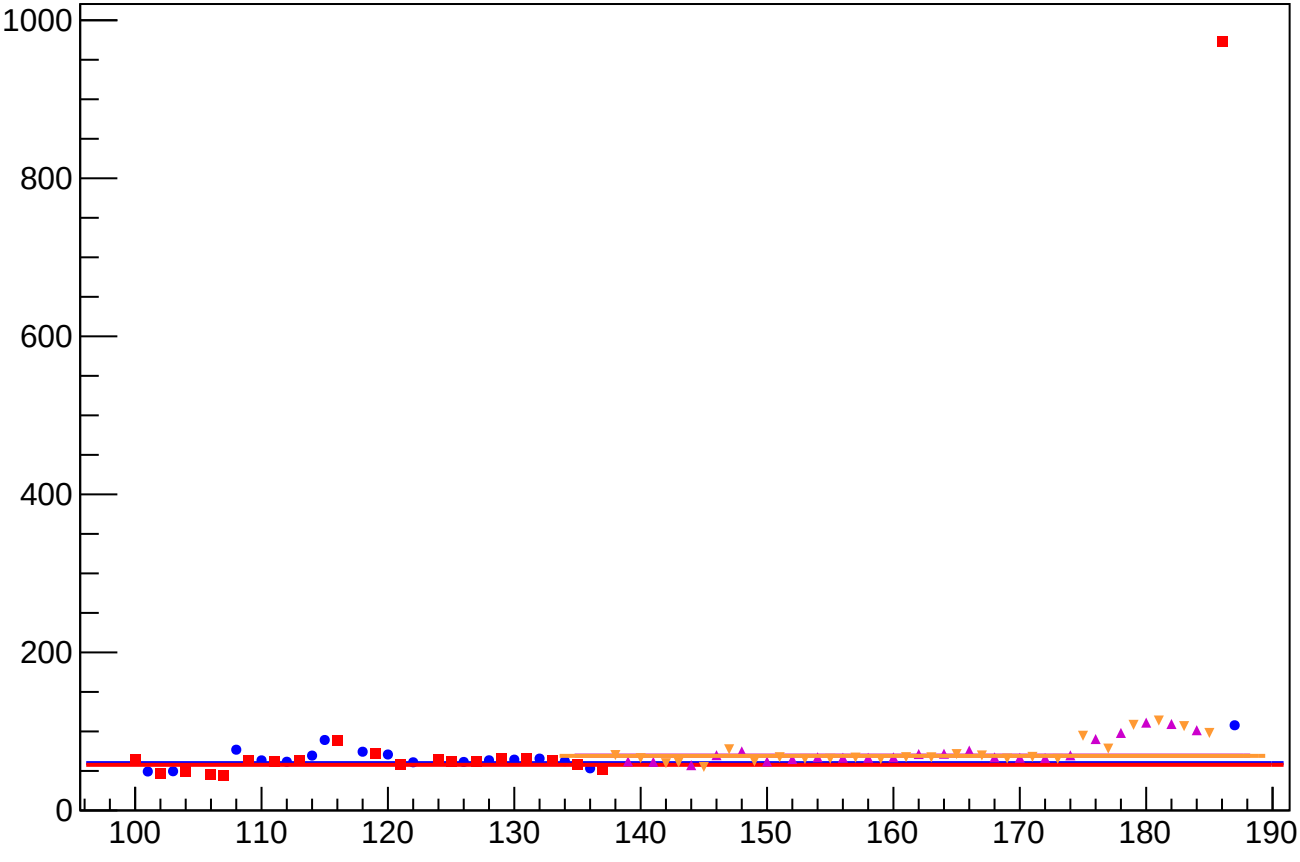
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 17.126+/-13.012 χ^2/NDF: 41.4/41

All: -15.526+/-9.235 χ^2/NDF: 104.6/84

- sign -48.661+/-13.108 χ^2/NDF: 50.5/42

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 59.897+/-0.016 χ^2/NDF: 357224.2/16

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 57.750+/-0.015 χ^2/NDF: 1066479.4/19

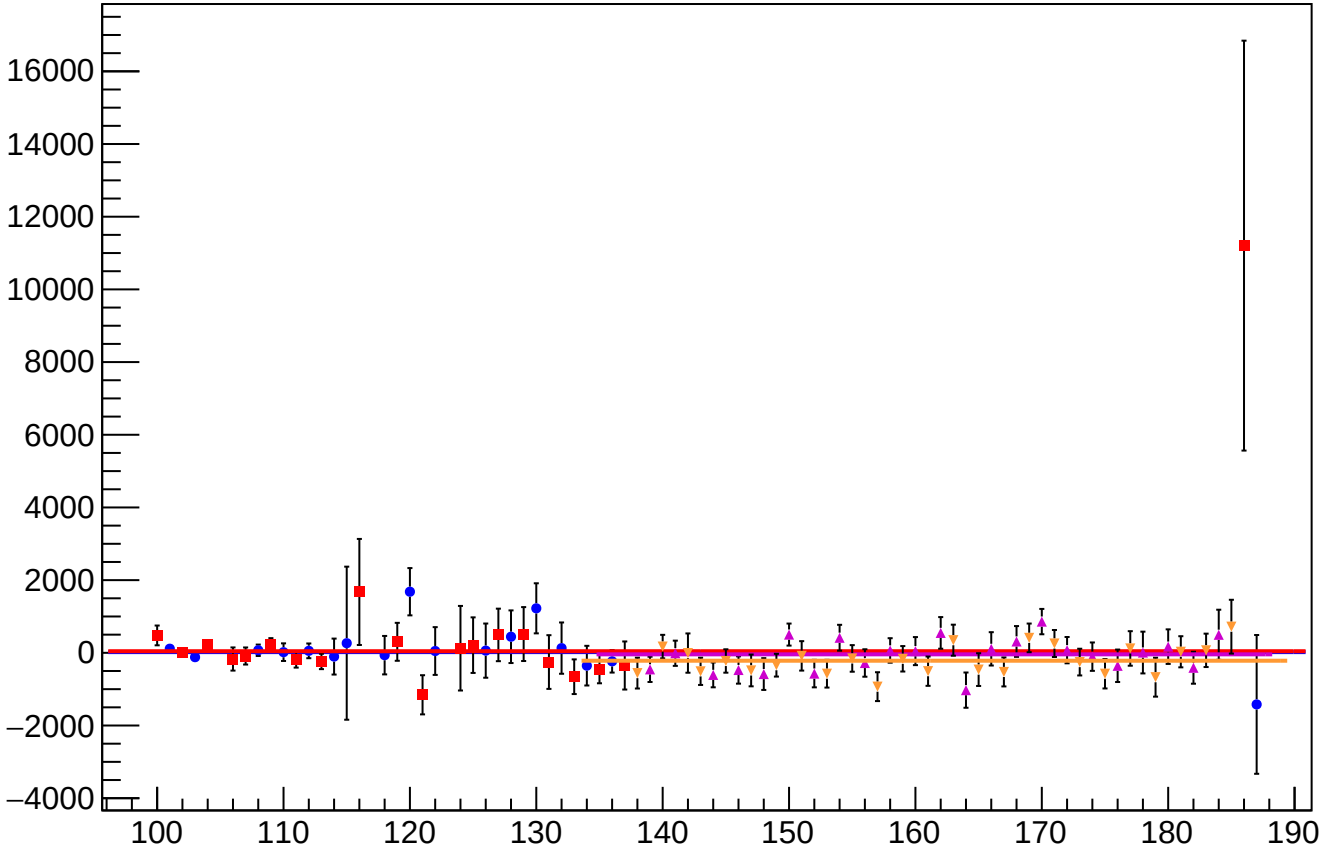
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 65.987+/-0.009 χ^2/NDF: 1653602.3/41

All: 65.558+/-0.007 χ^2/NDF: 4019281.6/84

- sign 65.122+/-0.009 χ^2/NDF: 2361298.5/42

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: 19.707+/-53.564 χ^2/NDF: 15.2/16

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

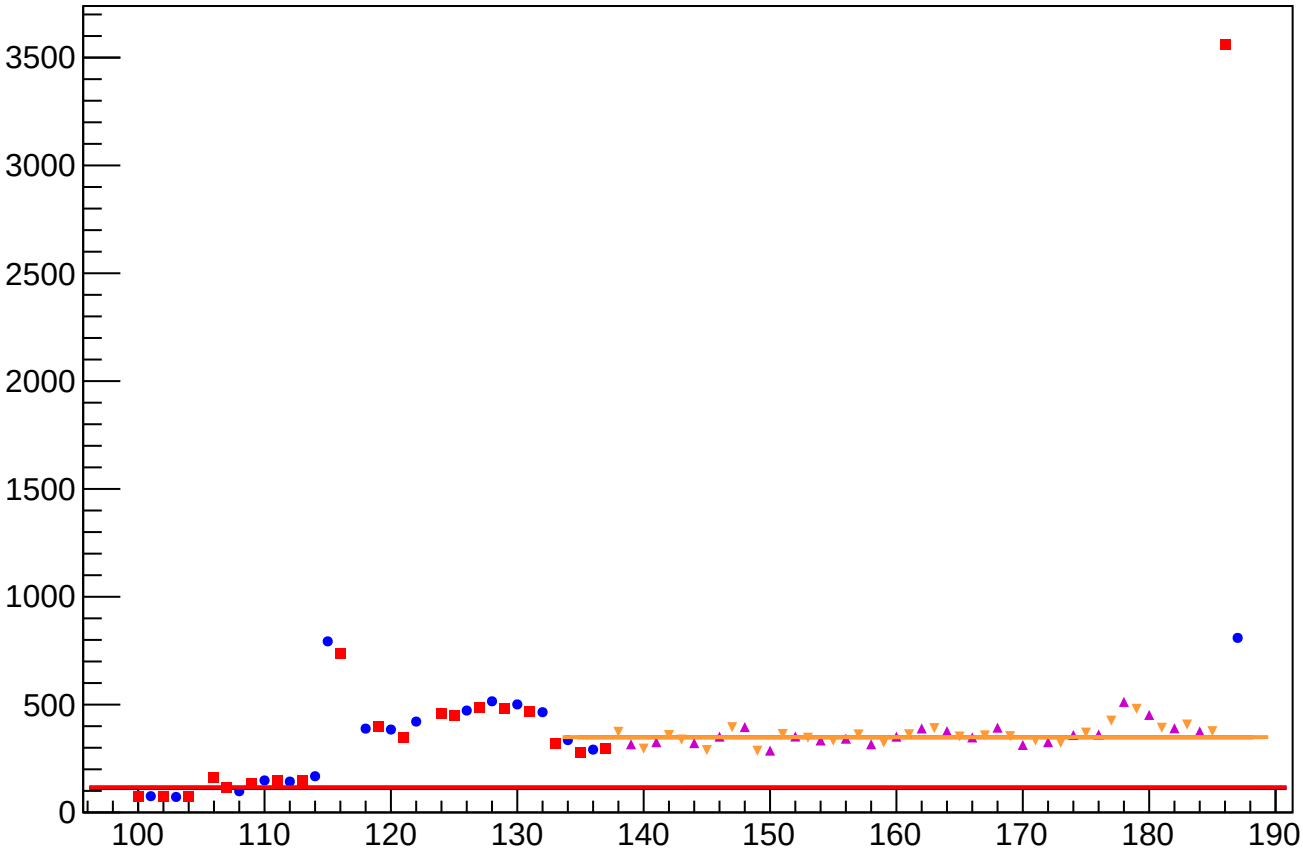
Right Out: 44.255+/-53.208 χ^2/NDF: 25.4/19

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -53.501+/-44.532 χ^2/NDF: 40.6/41

All: -17.390+/-31.539 χ^2/NDF: 98.1/84

- sign 18.955+/-44.676 χ^2/NDF: 56.2/42



Right In: 113.216+/-0.038 χ^2/NDF: 5865724.8/16

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 117.039+/-0.038 χ^2/NDF: 5887166.4/19

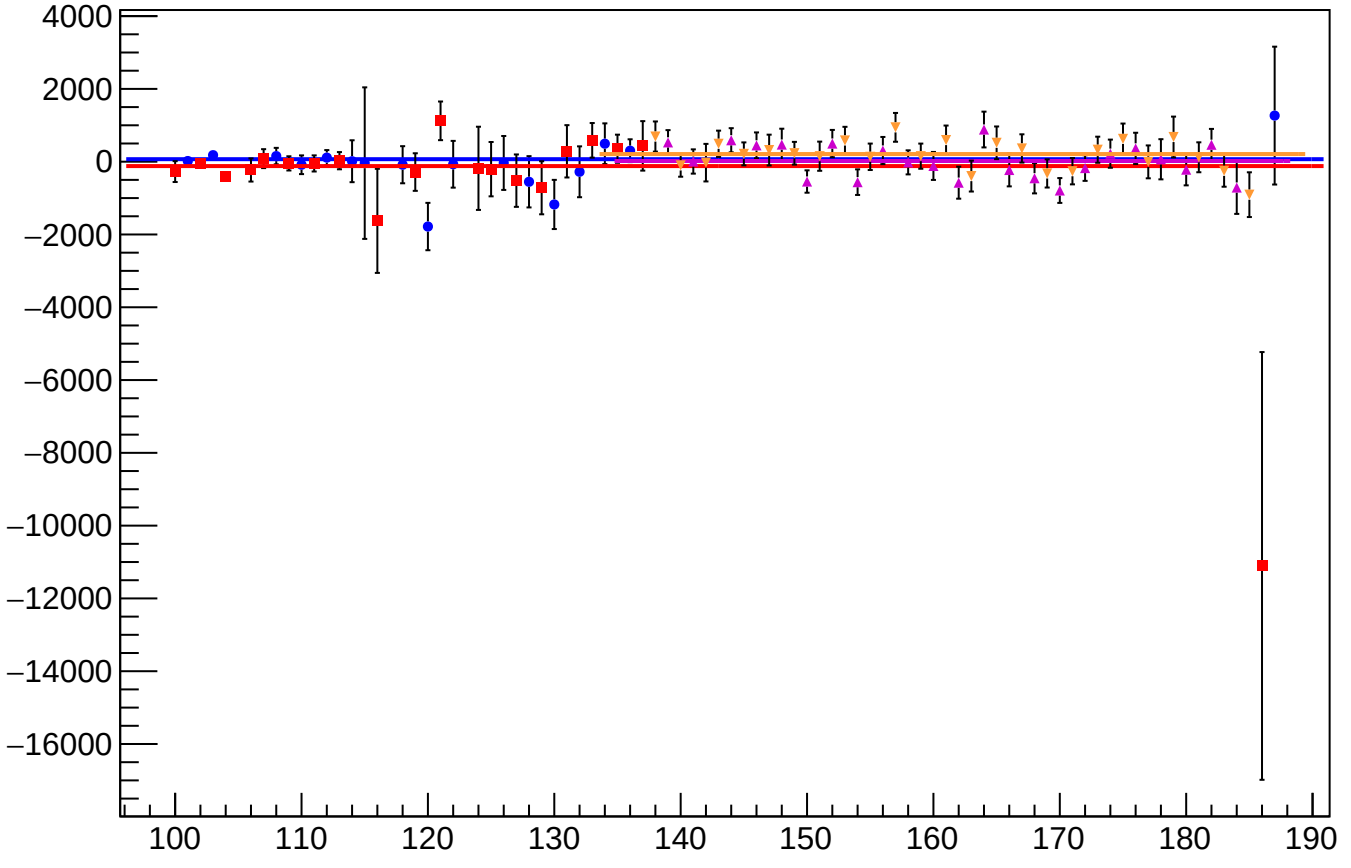
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 186.086+/-0.031 χ^2/NDF: 18375778.2/41

All: 185.712+/-0.022 χ^2/NDF: 35959393.1/84

- sign 185.335+/-0.032 χ^2/NDF: 17583331.6/42

asym_sam_15_avg_mean vs Slug



Right In: 68.790+/-59.140 χ^2/NDF: 16.2/16

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -120.703+/-57.938 χ^2/NDF: 24.6/19

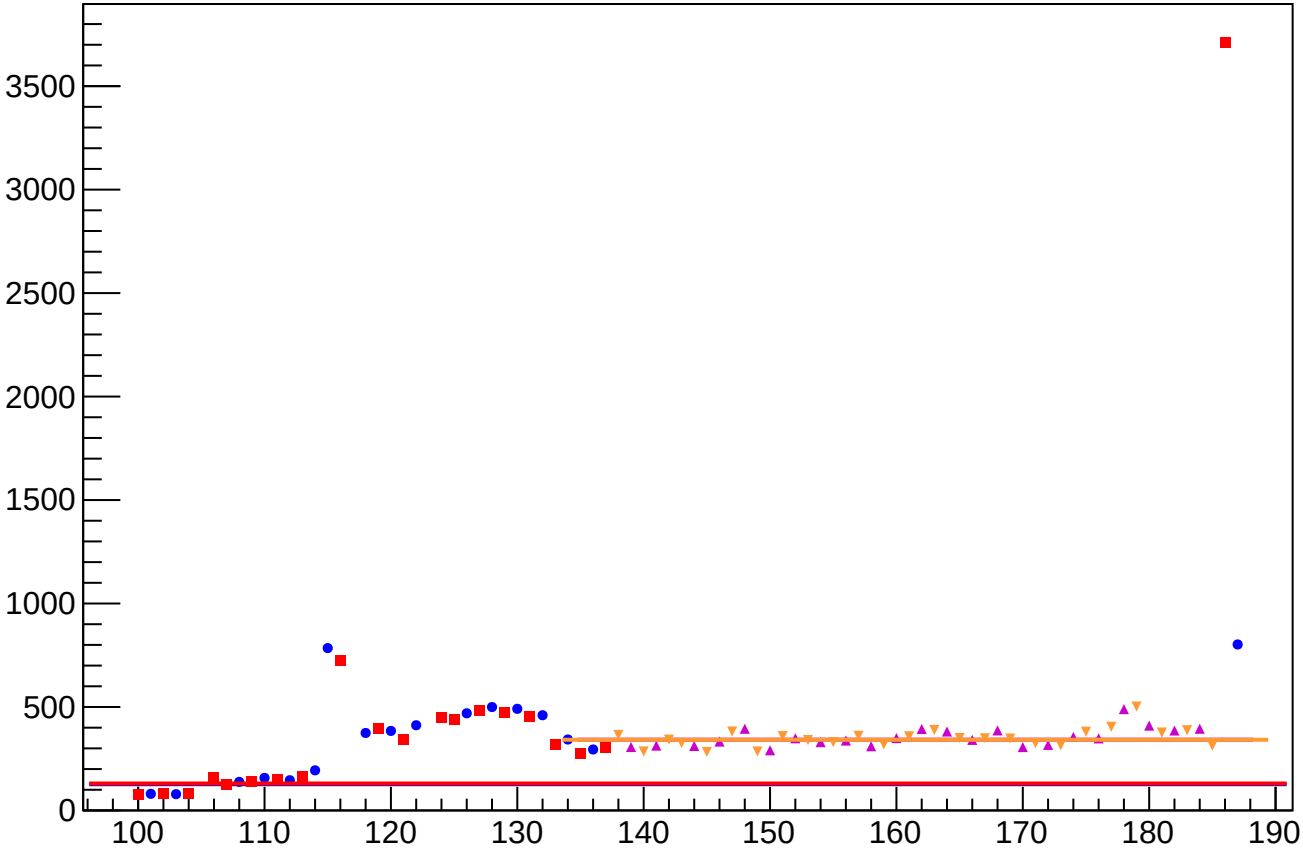
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 119.843+/-47.238 χ^2/NDF: 39.7/41

All: 22.930+/-33.341 χ^2/NDF: 106.7/84

- sign -73.274+/-47.065 χ^2/NDF: 58.6/42

asym_sam_15_avg_rms vs Slug



Right In: 126.813+/-0.042 χ^2/NDF: 5474654.6/16

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

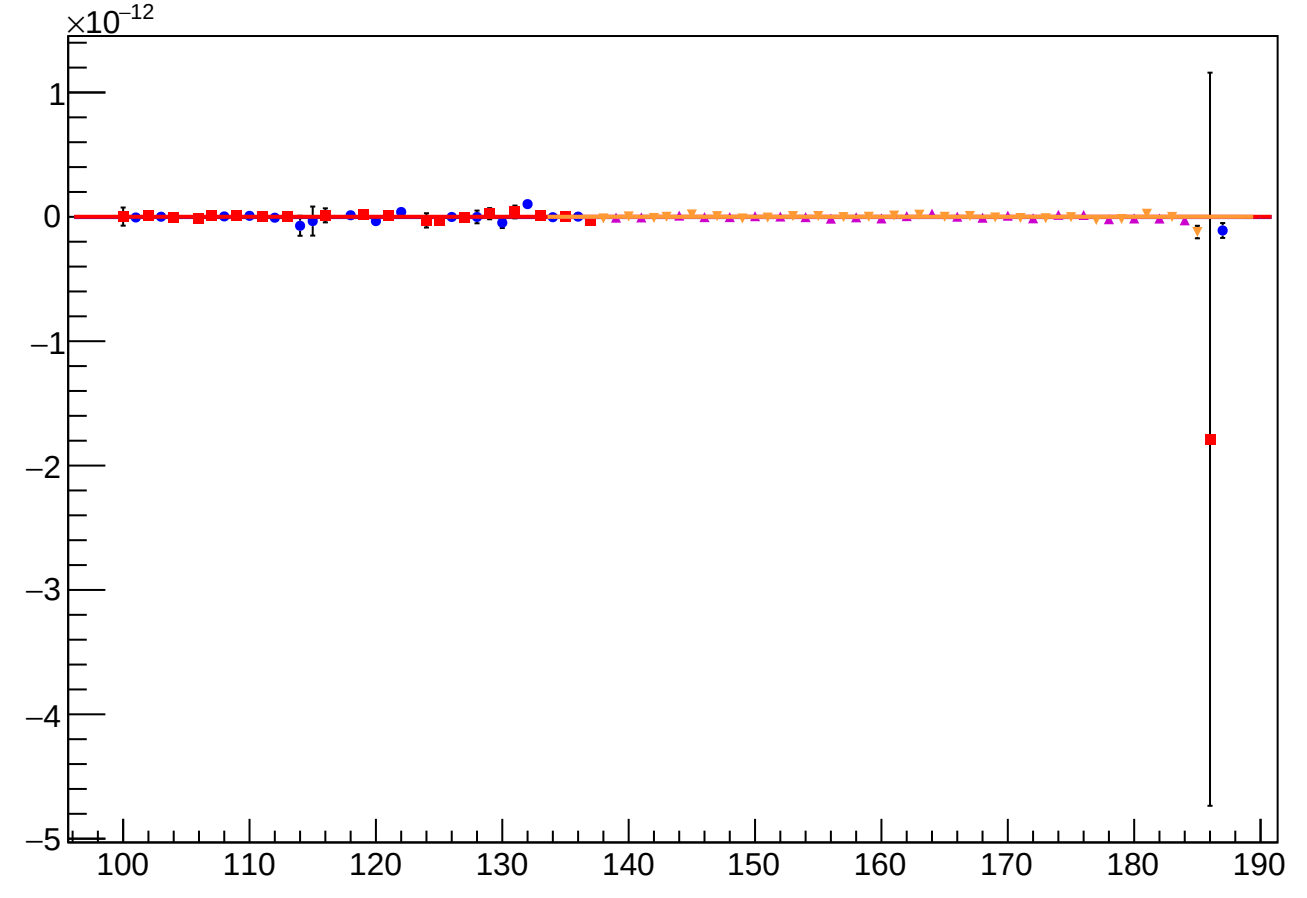
Right Out: 130.263+/-0.041 χ^2/NDF: 5390270.3/19

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 204.562+/-0.033 χ^2/NDF: 15577451.6/41

All: 203.408+/-0.024 χ^2/NDF: 30536063.6/84

- sign 202.262+/-0.033 χ^2/NDF: 14956234.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

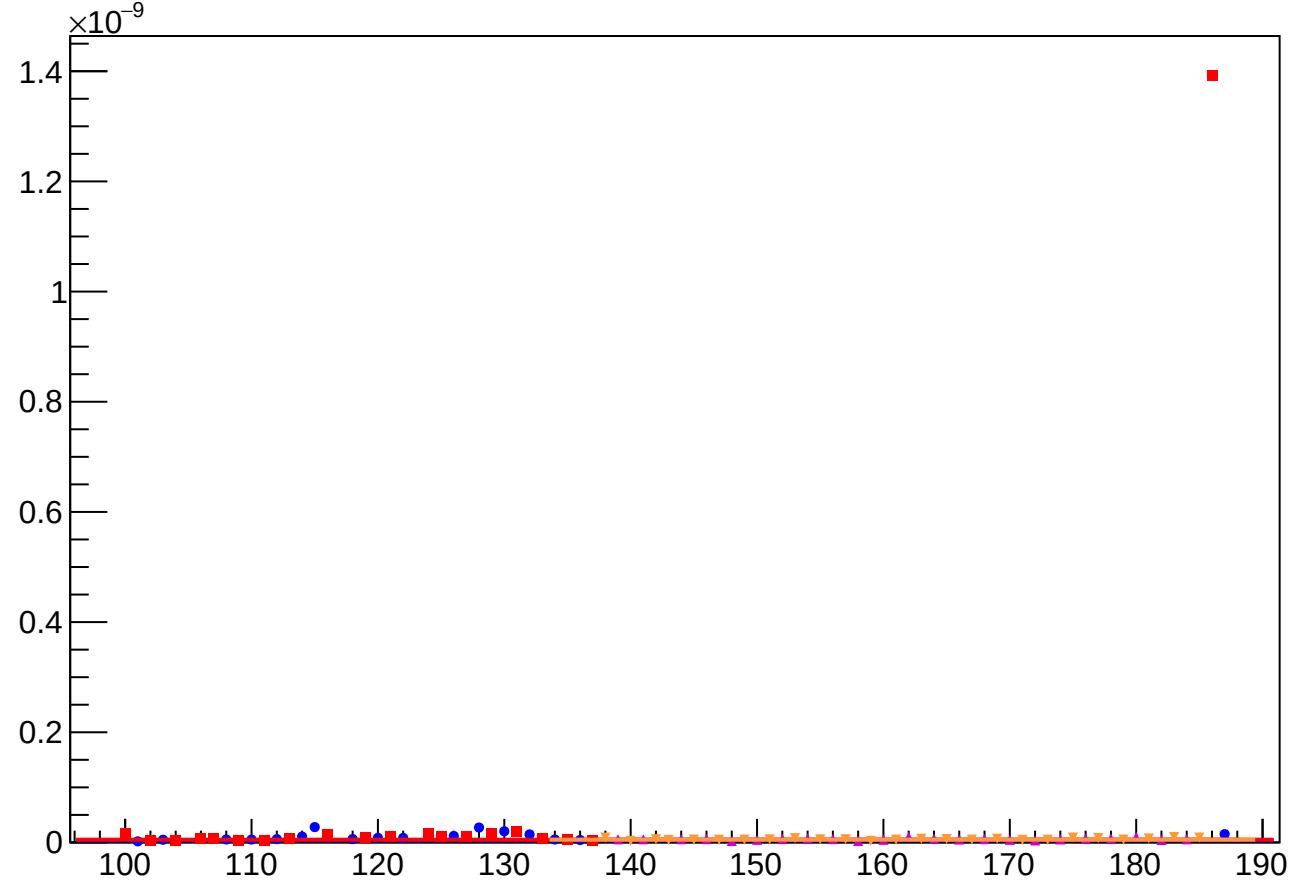
Right Out: 0.000+/-0.000 χ^2/NDF: 10.9/19

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.0/41

All: -0.000+/-0.000 χ^2/NDF: 81.6/84

- sign -0.000+/-0.000 χ^2/NDF: 31.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 2244916.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1738419.7/19

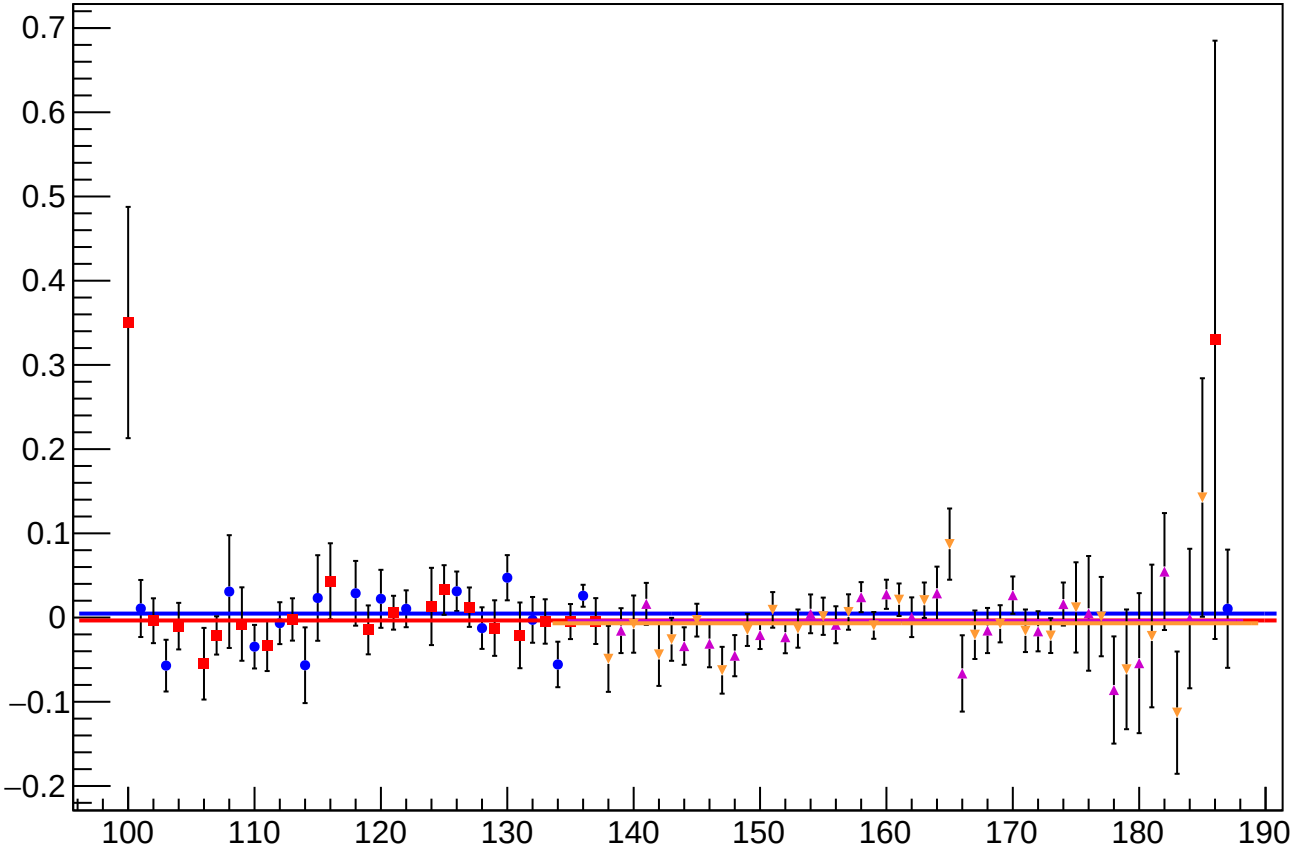
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3870258.0/41

All: 0.000+/-0.000 χ^2/NDF: 6910194.7/84

- sign 0.000+/-0.000 χ^2/NDF: 2963668.6/42

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.007 χ^2/NDF: 14.5/19

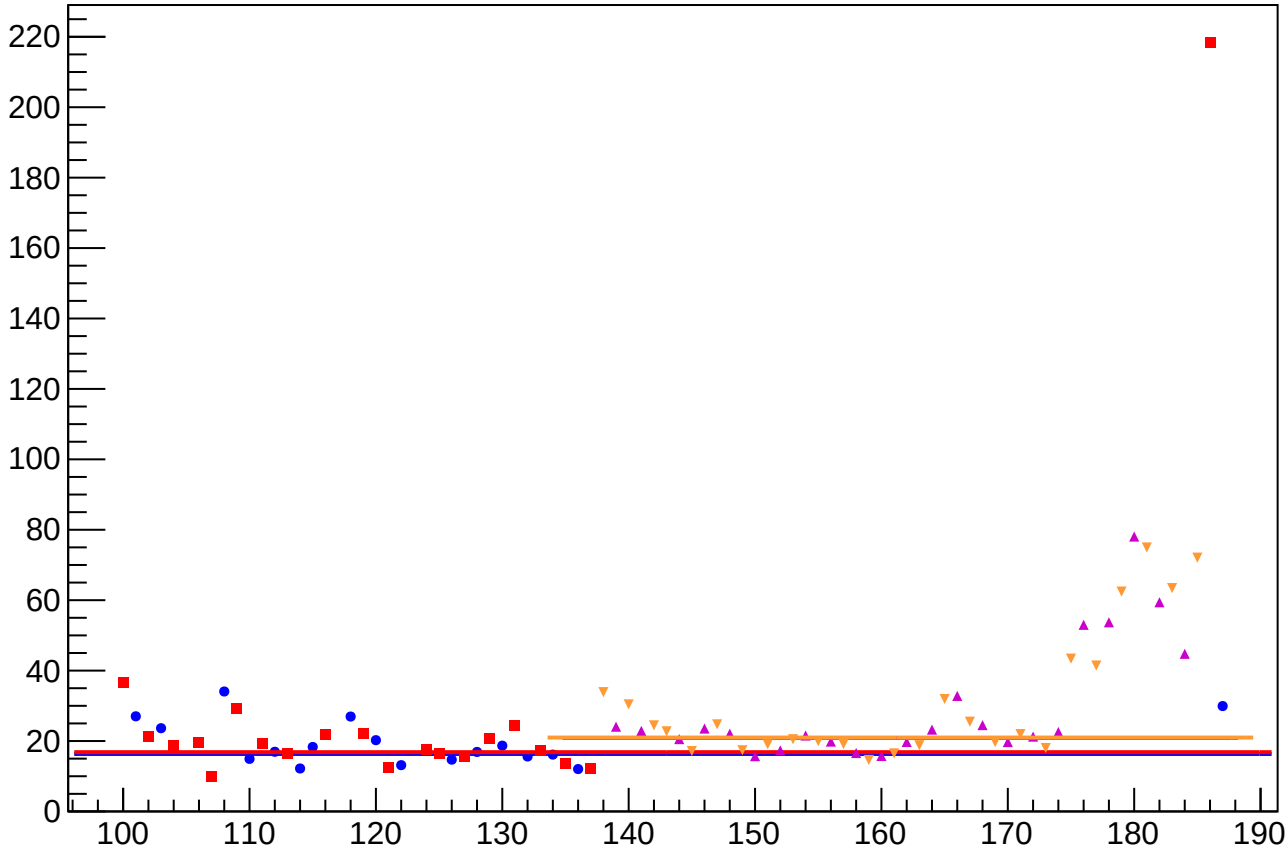
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/41

All: -0.003+/-0.003 χ^2/NDF: 82.9/84

- sign -0.004+/-0.004 χ^2/NDF: 37.7/42

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 16.335+/-0.005 χ^2/NDF: 1019561.3/16

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

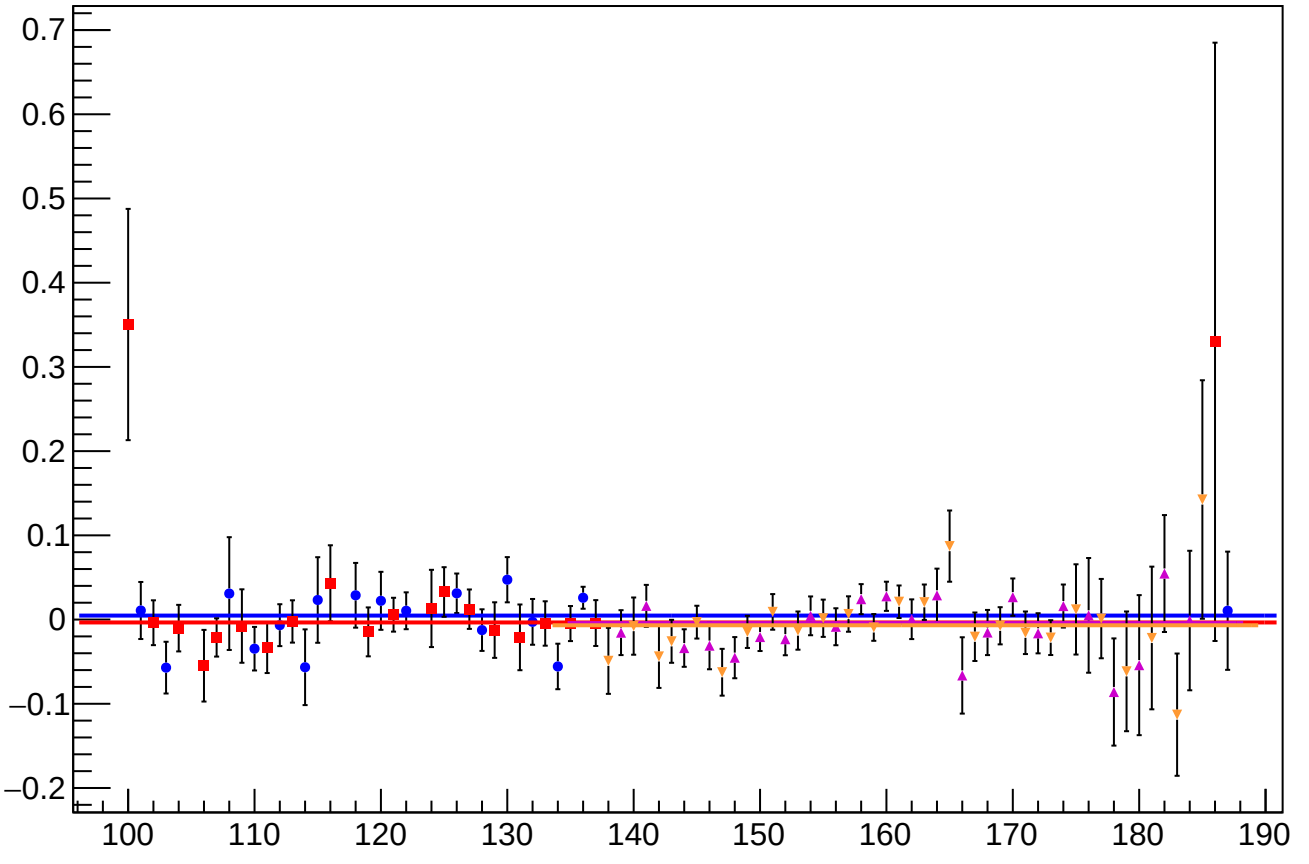
Right Out: 16.836+/-0.005 χ^2/NDF: 1510514.8/19

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 19.179+/-0.003 χ^2/NDF: 6104875.3/41

All: 19.238+/-0.002 χ^2/NDF: 11603272.8/84

\- sign 19.298+/-0.003 χ^2/NDF: 5497556.6/42



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.007 χ^2/NDF: 14.5/19

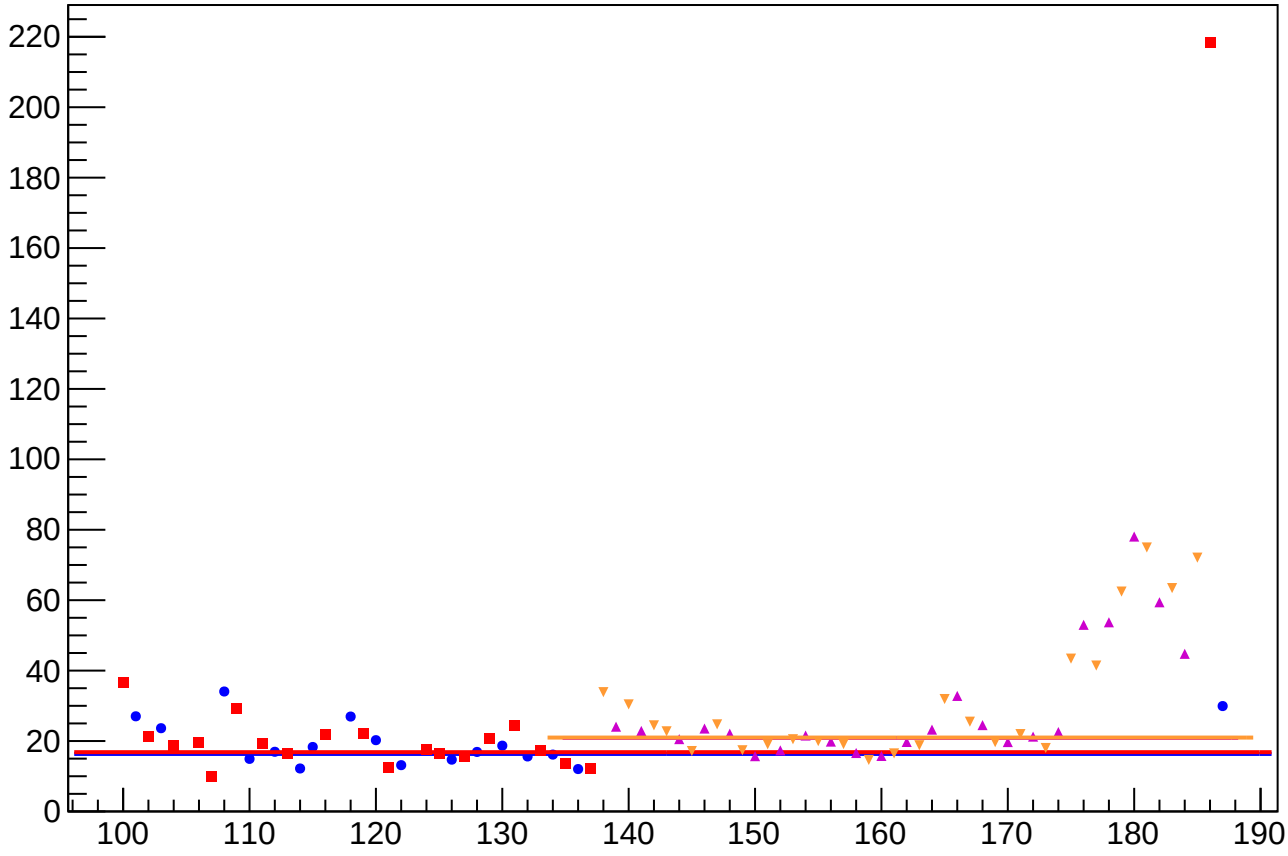
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/41

All: -0.003+/-0.003 χ^2/NDF: 82.9/84

- sign -0.004+/-0.004 χ^2/NDF: 37.7/42

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.335+/-0.005 χ^2/NDF: 1019561.3/16

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

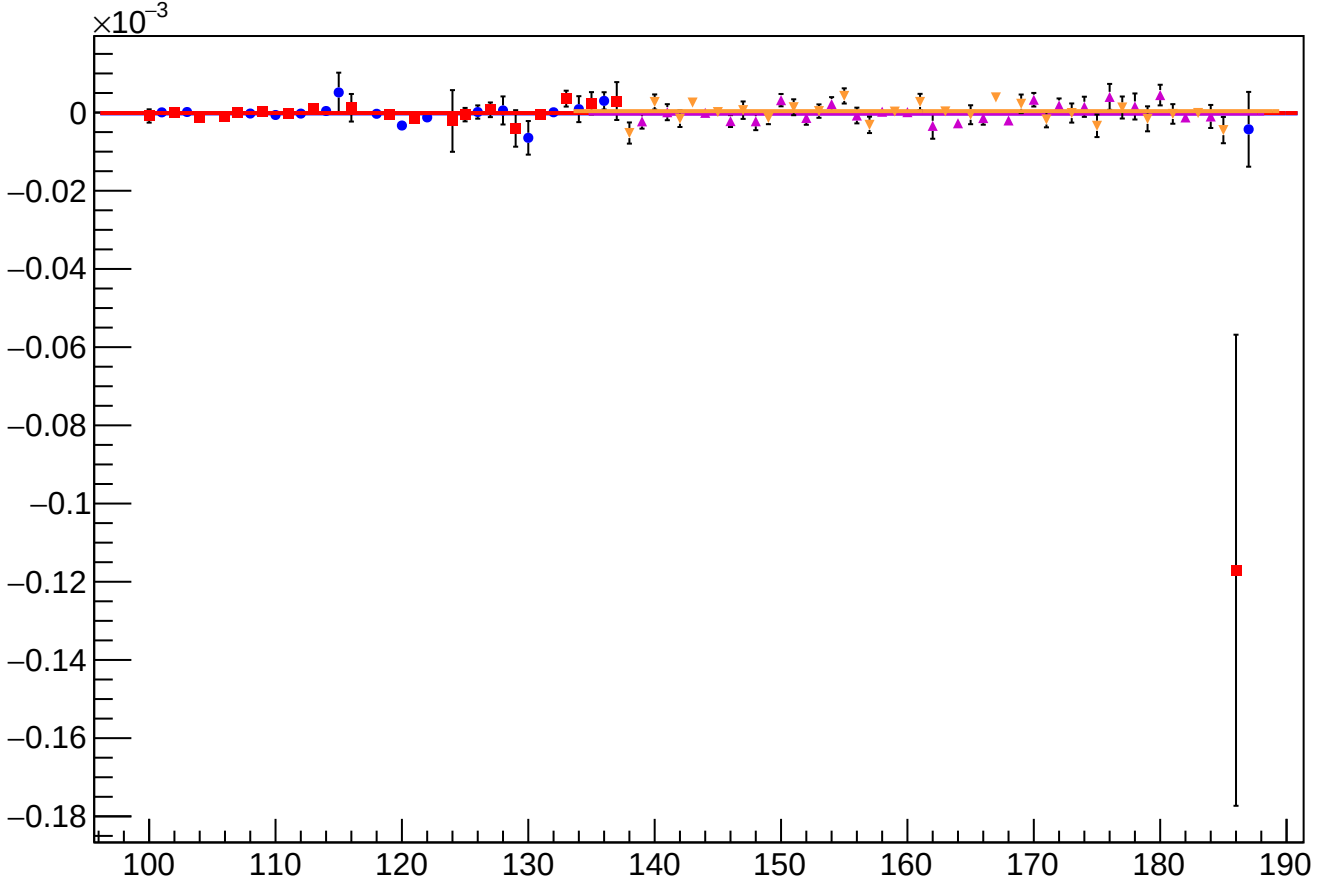
Right Out: 16.836+/-0.005 χ^2/NDF: 1510514.8/19

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 19.179+/-0.003 χ^2/NDF: 6104875.3/41

All: 19.238+/-0.002 χ^2/NDF: 11603272.8/84

\- sign 19.298+/-0.003 χ^2/NDF: 5497556.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

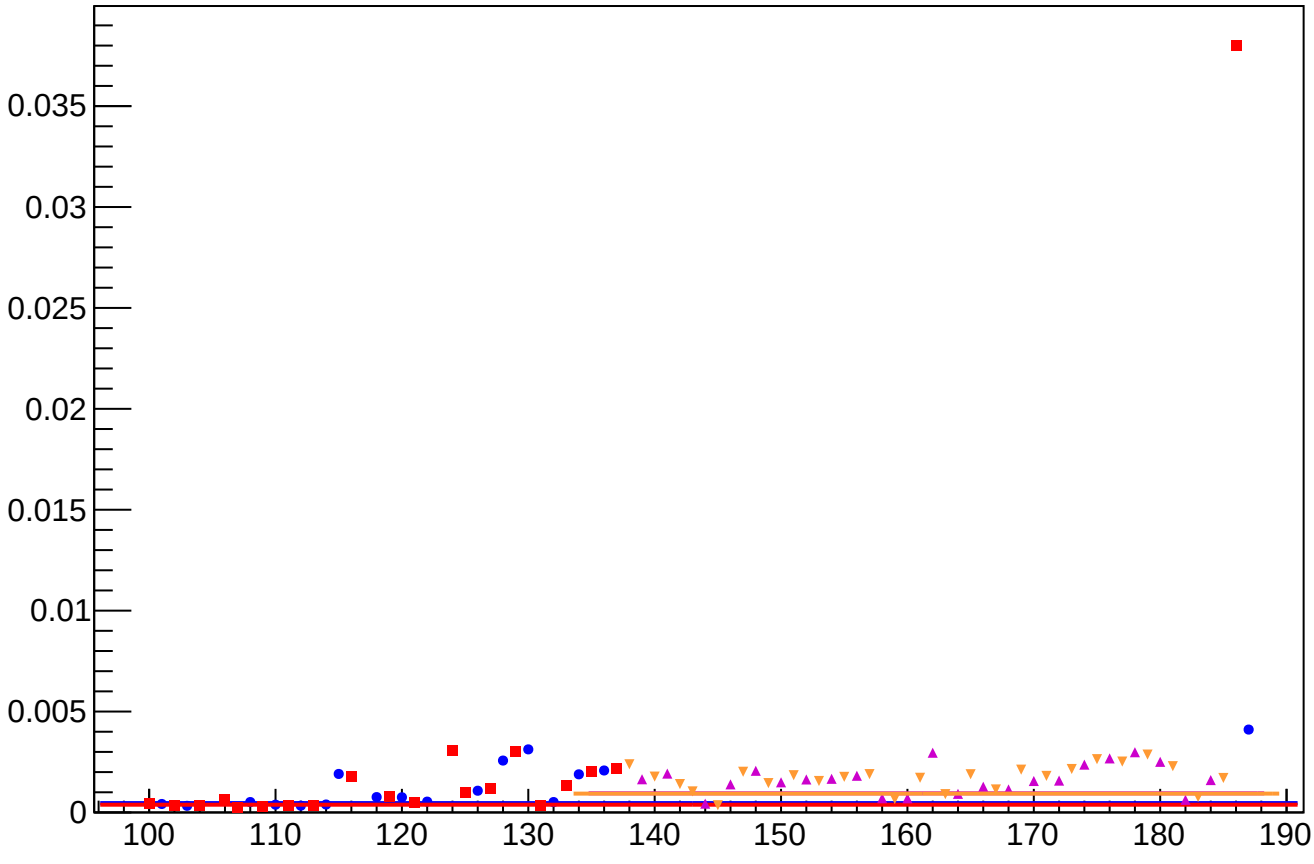
Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/19

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/41

All: -0.000+/-0.000 χ^2/NDF: 108.3/84

- sign -0.000+/-0.000 χ^2/NDF: 55.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 4306150.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

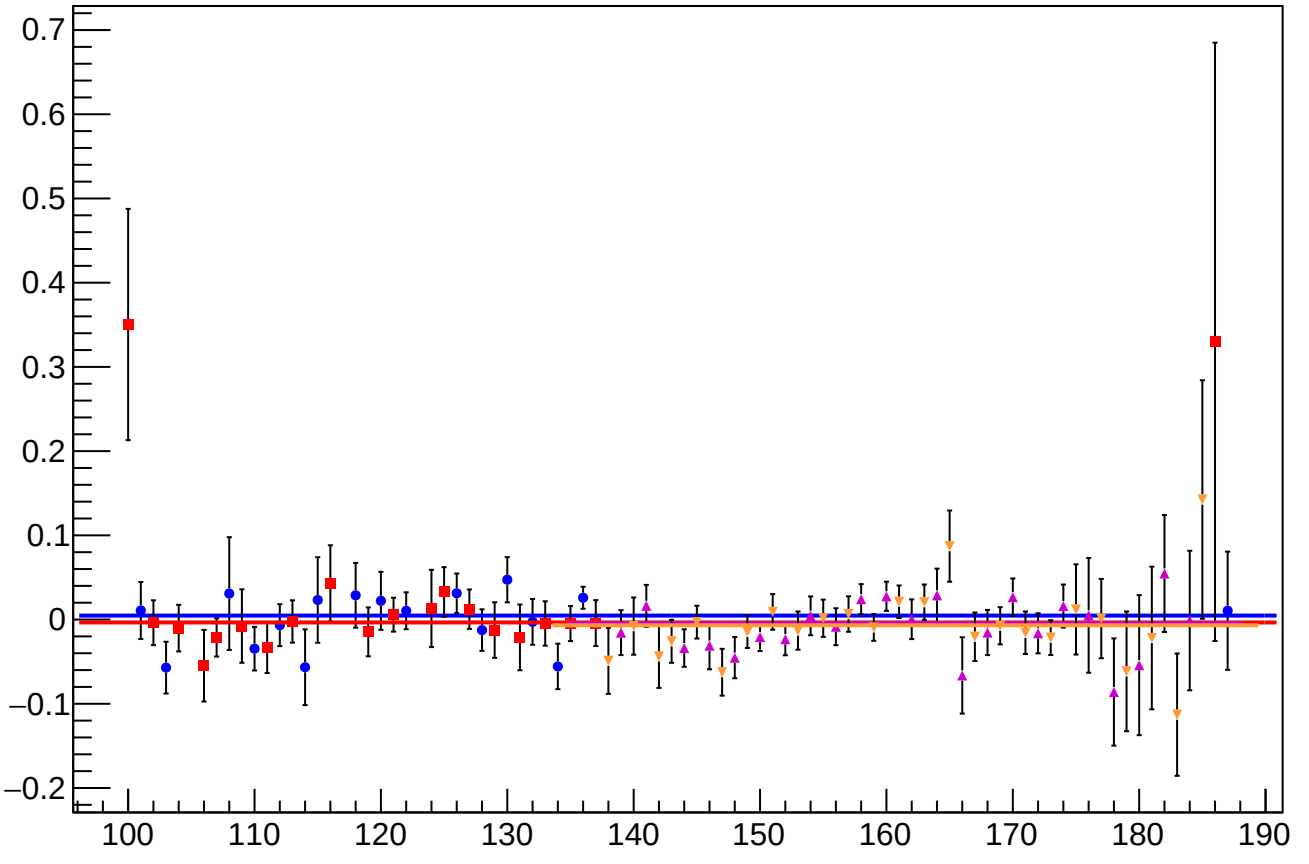
Right Out: 0.000+/-0.000 χ^2/NDF: 4839011.8/19

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 20247882.3/41

All: 0.001+/-0.000 χ^2/NDF: 41336027.1/84

- sign 0.001+/-0.000 χ^2/NDF: 20731573.8/42



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

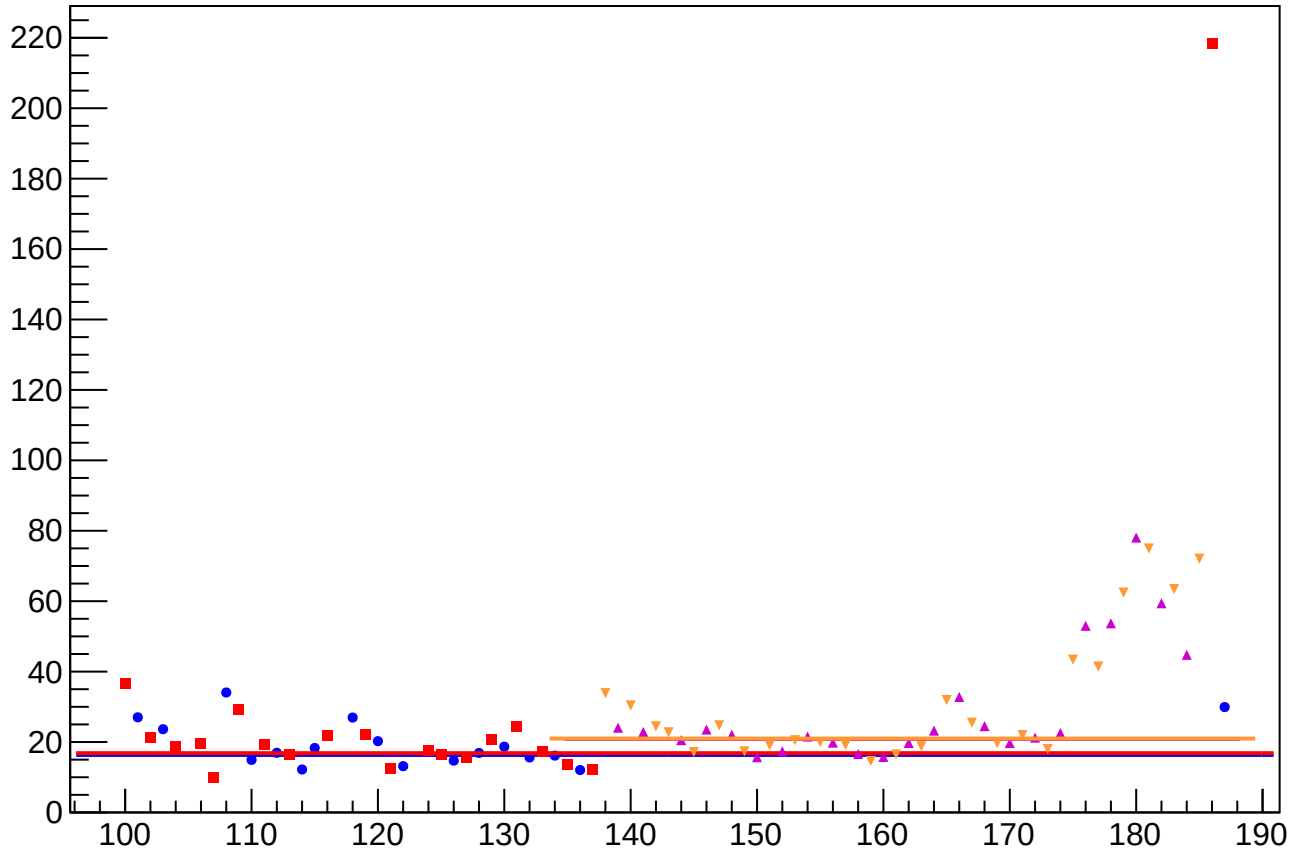
Right Out: -0.003+/-0.007 χ^2/NDF: 14.5/19

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/41

All: -0.003+/-0.003 χ^2/NDF: 82.9/84

- sign -0.004+/-0.004 χ^2/NDF: 37.7/42



Right In: 16.335+/-0.005 χ^2/NDF: 1019534.0/16

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

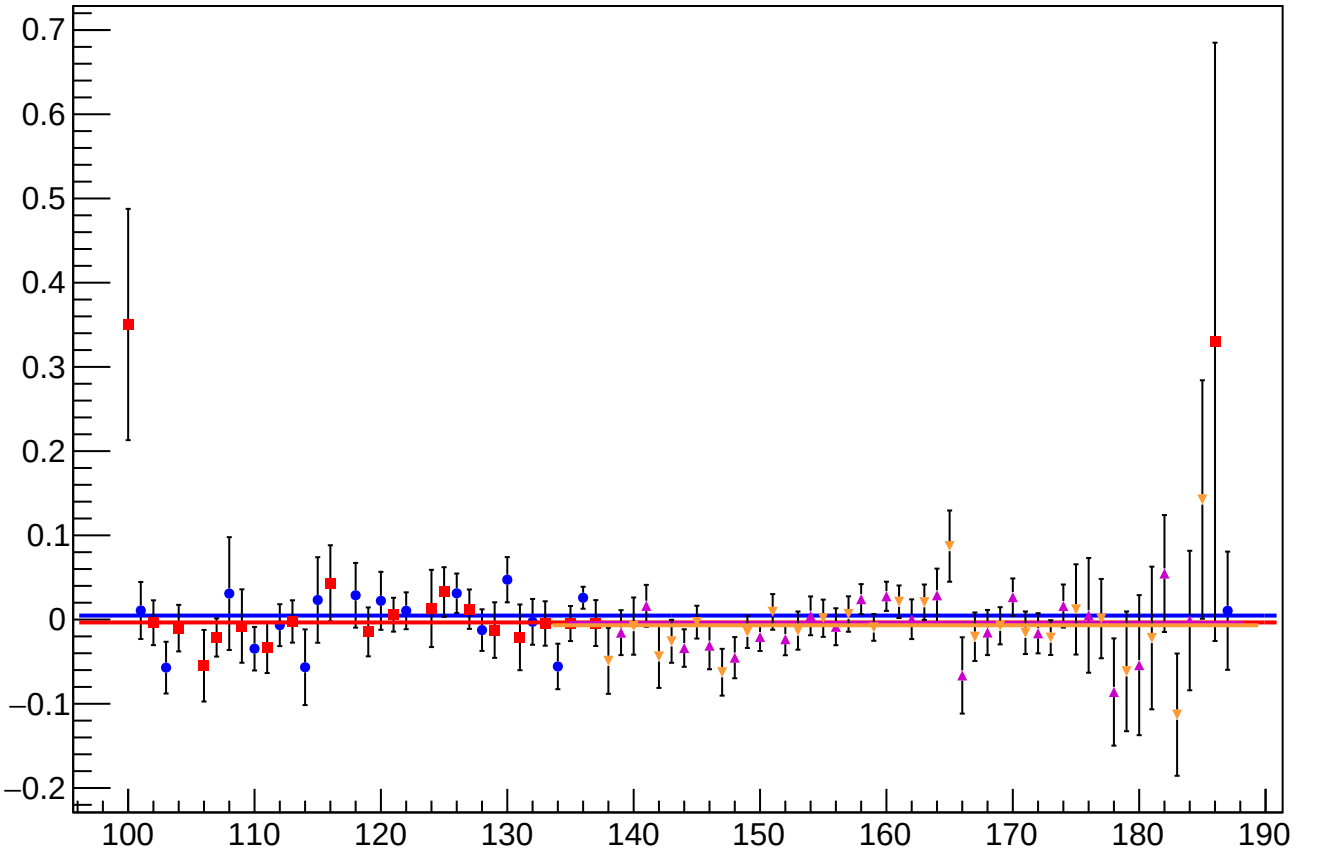
Right Out: 16.836+/-0.005 χ^2/NDF: 1510509.4/19

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.179+/-0.003 χ^2/NDF: 6104912.0/41

All: 19.238+/-0.002 χ^2/NDF: 11603419.0/84

- sign 19.298+/-0.003 χ^2/NDF: 5497666.9/42



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

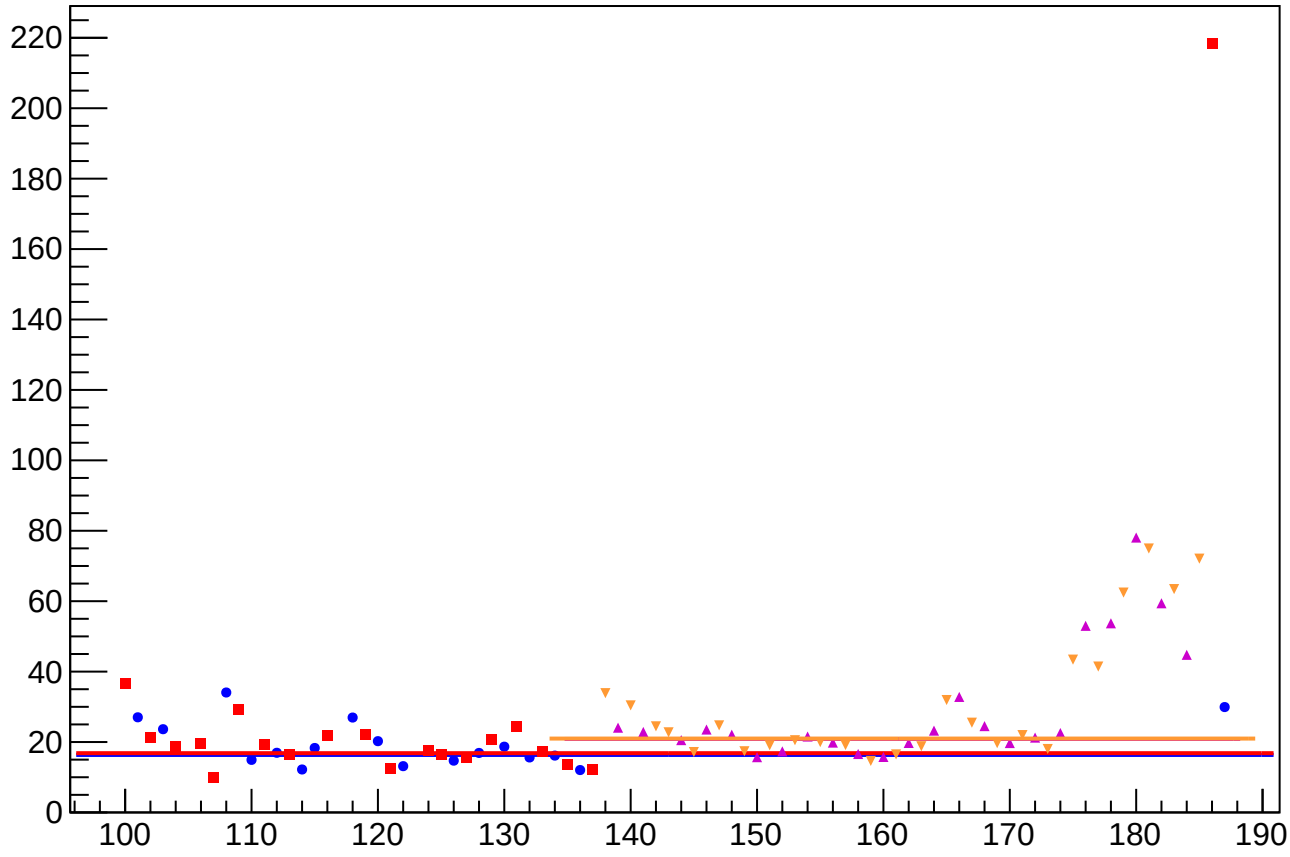
Right Out: -0.003+/-0.007 χ^2/NDF: 14.5/19

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.002+/-0.004 χ^2/NDF: 45.1/41

All: -0.003+/-0.003 χ^2/NDF: 82.9/84

- sign -0.004+/-0.004 χ^2/NDF: 37.7/42



Right In: 16.335+/-0.005 χ^2/NDF: 1019534.0/16

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

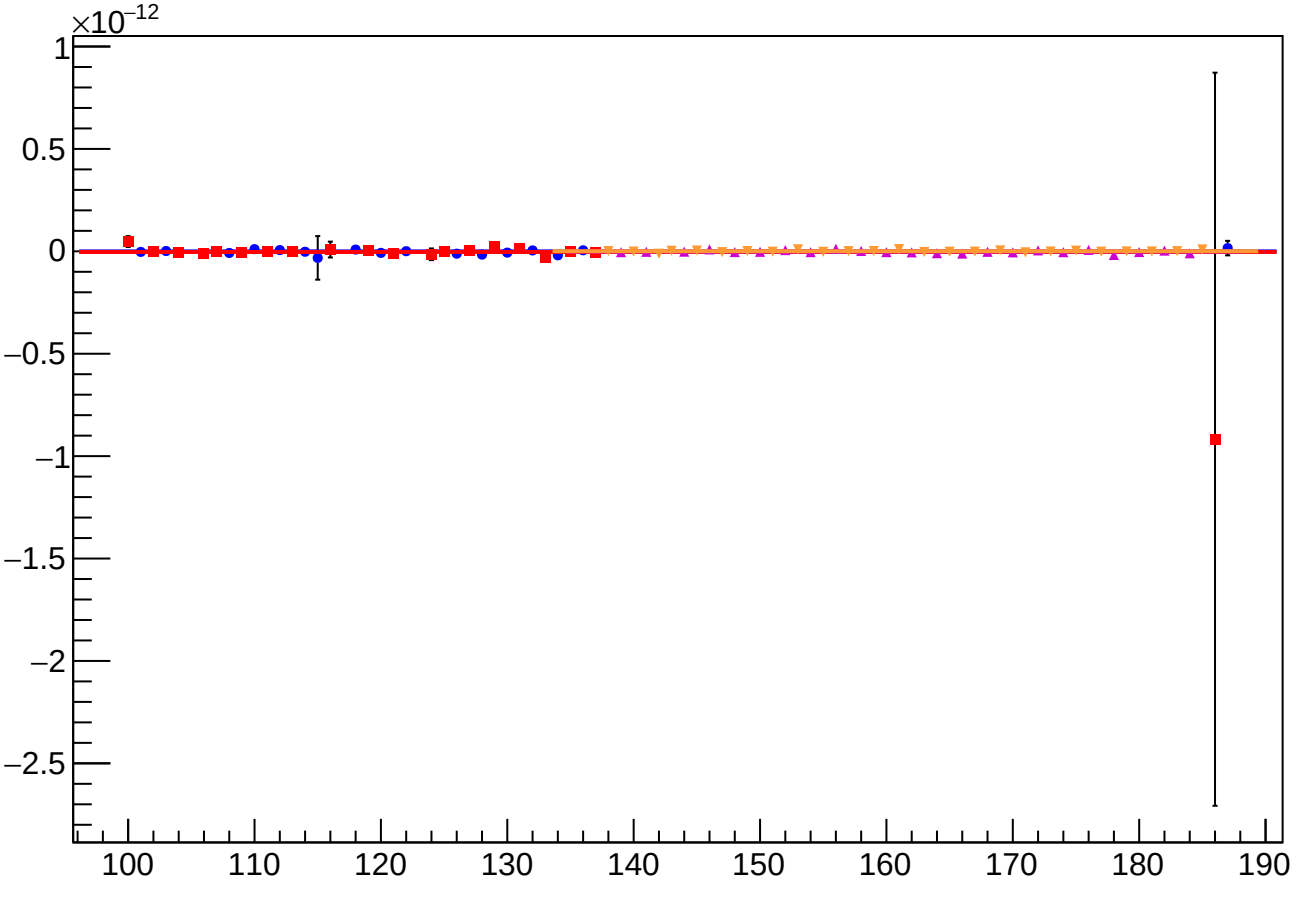
Right Out: 16.836+/-0.005 χ^2/NDF: 1510509.4/19

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 19.179+/-0.003 χ^2/NDF: 6104912.0/41

All: 19.238+/-0.002 χ^2/NDF: 11603419.0/84

- sign 19.298+/-0.003 χ^2/NDF: 5497666.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

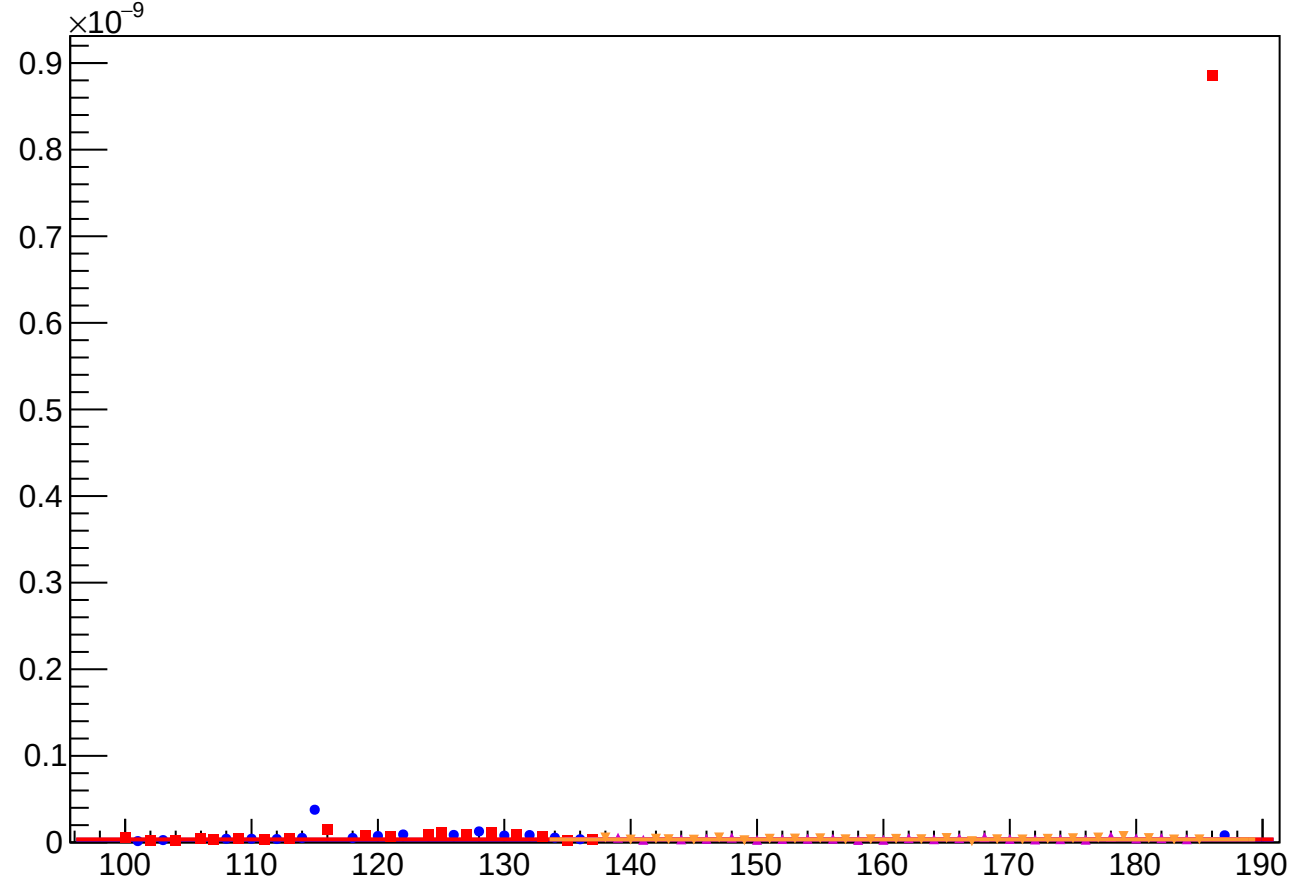
Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/19

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 27.3/41

All: -0.000+/-0.000 χ^2/NDF: 69.8/84

- sign -0.000+/-0.000 χ^2/NDF: 40.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 2980105.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3044942.6/19

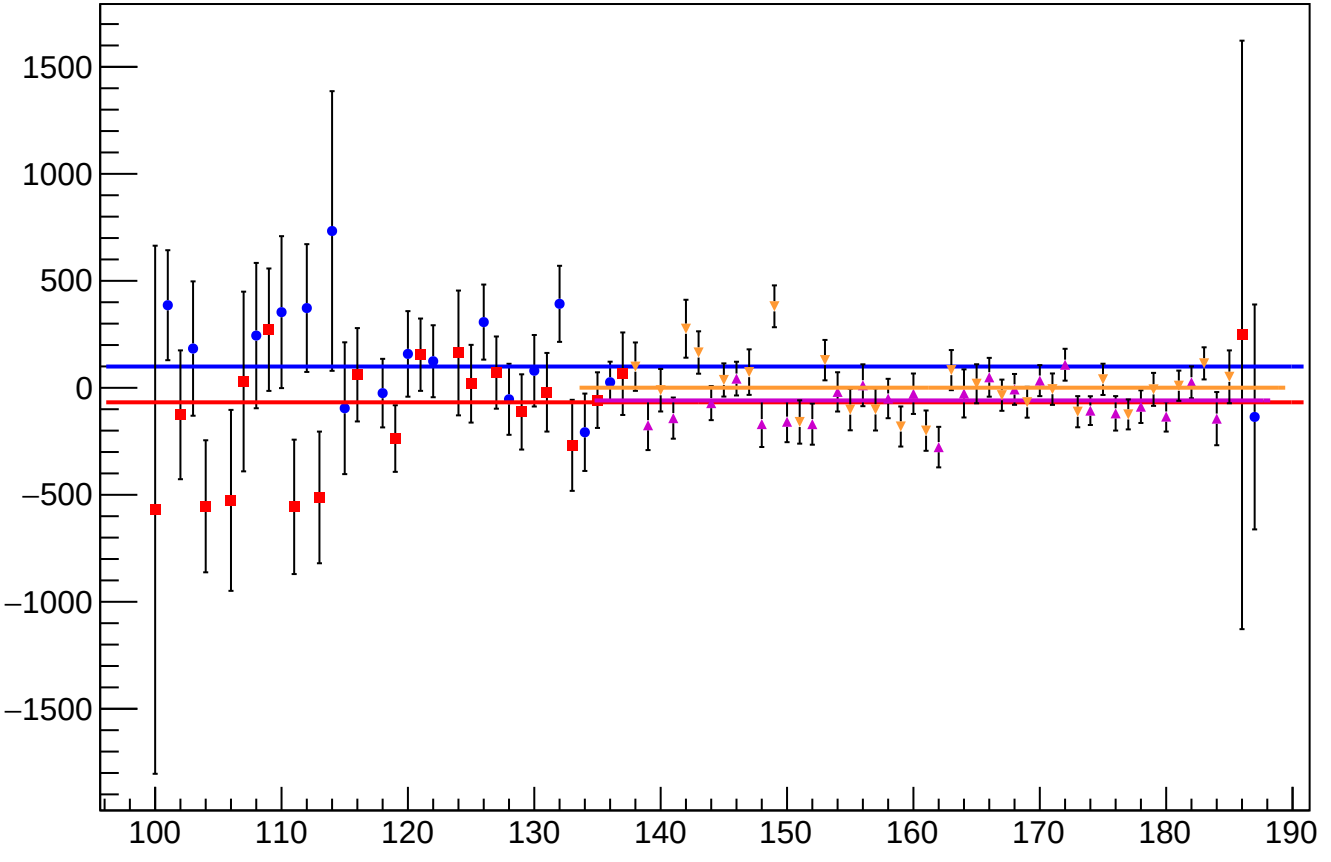
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5631169.3/41

All: 0.000+/-0.000 χ^2/NDF: 10131962.2/84

- sign 0.000+/-0.000 χ^2/NDF: 4311512.1/42

reg_asym_sam_26_avg_mean vs Slug



Right In: 99.525+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.702+/-49.296 χ^2/NDF: 16.2/19

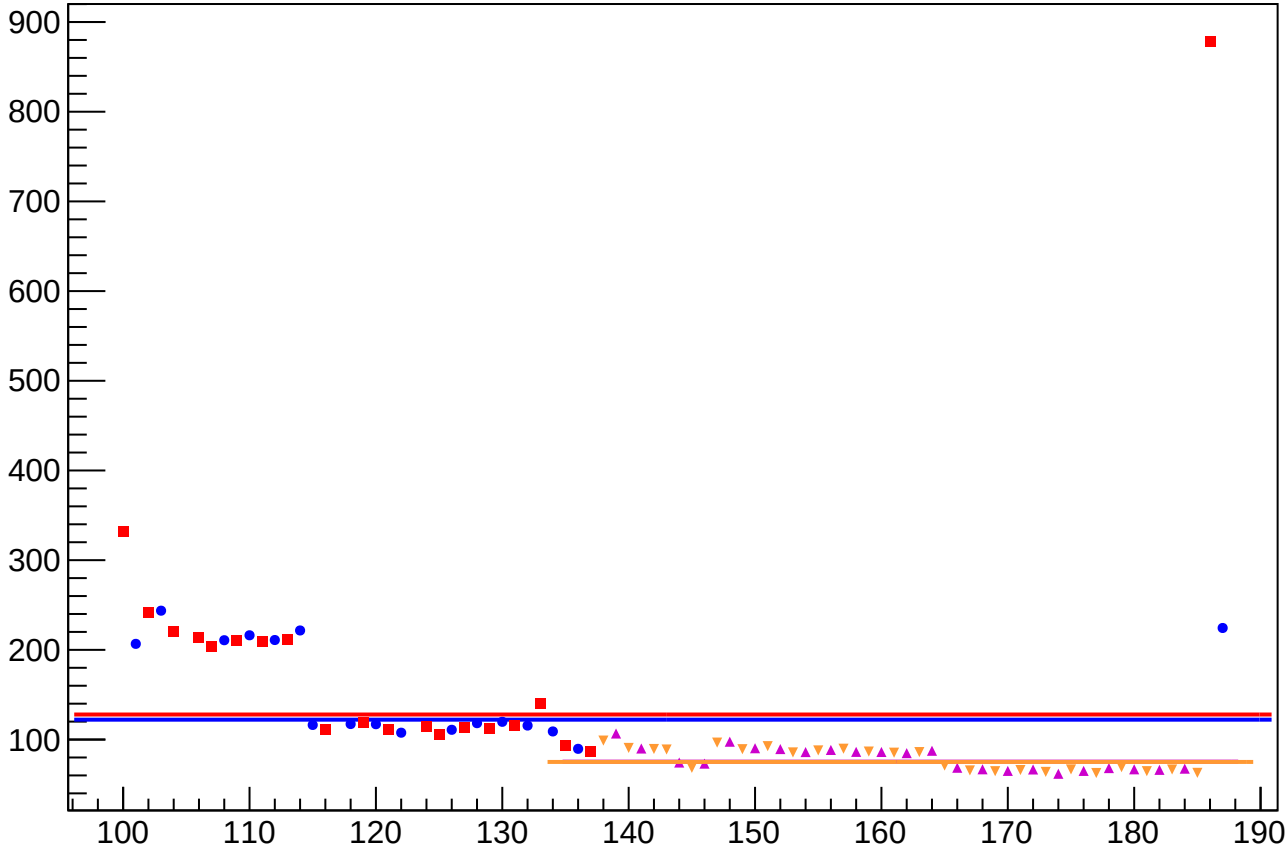
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.234+/-16.269 χ^2/NDF: 66.0/41

All: -22.672+/-11.690 χ^2/NDF: 117.5/84

- sign -59.929+/-16.808 χ^2/NDF: 42.0/42

reg_asym_sam_26_avg_rms vs Slug



Right In: 122.165+/-0.034 χ^2/NDF: 1362937.3/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

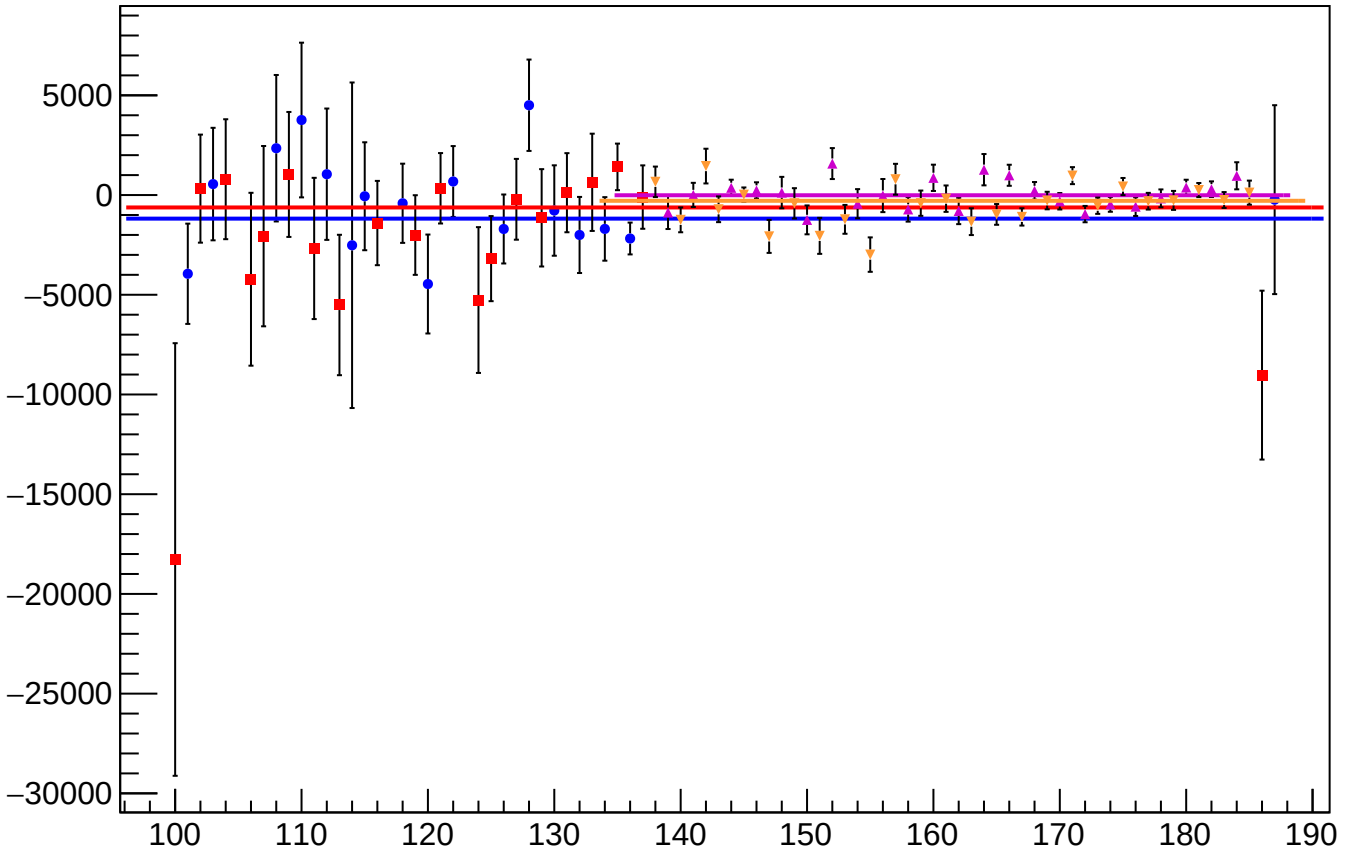
Right Out: 127.910+/-0.035 χ^2/NDF: 2067812.1/19

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.584+/-0.012 χ^2/NDF: 4032620.5/41

All: 81.009+/-0.008 χ^2/NDF: 8950073.9/84

- sign 81.462+/-0.012 χ^2/NDF: 4914636.6/42



Right In: -1182.440+/-476.478 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -622.285+/-517.839 χ^2/NDF: 17.9/19

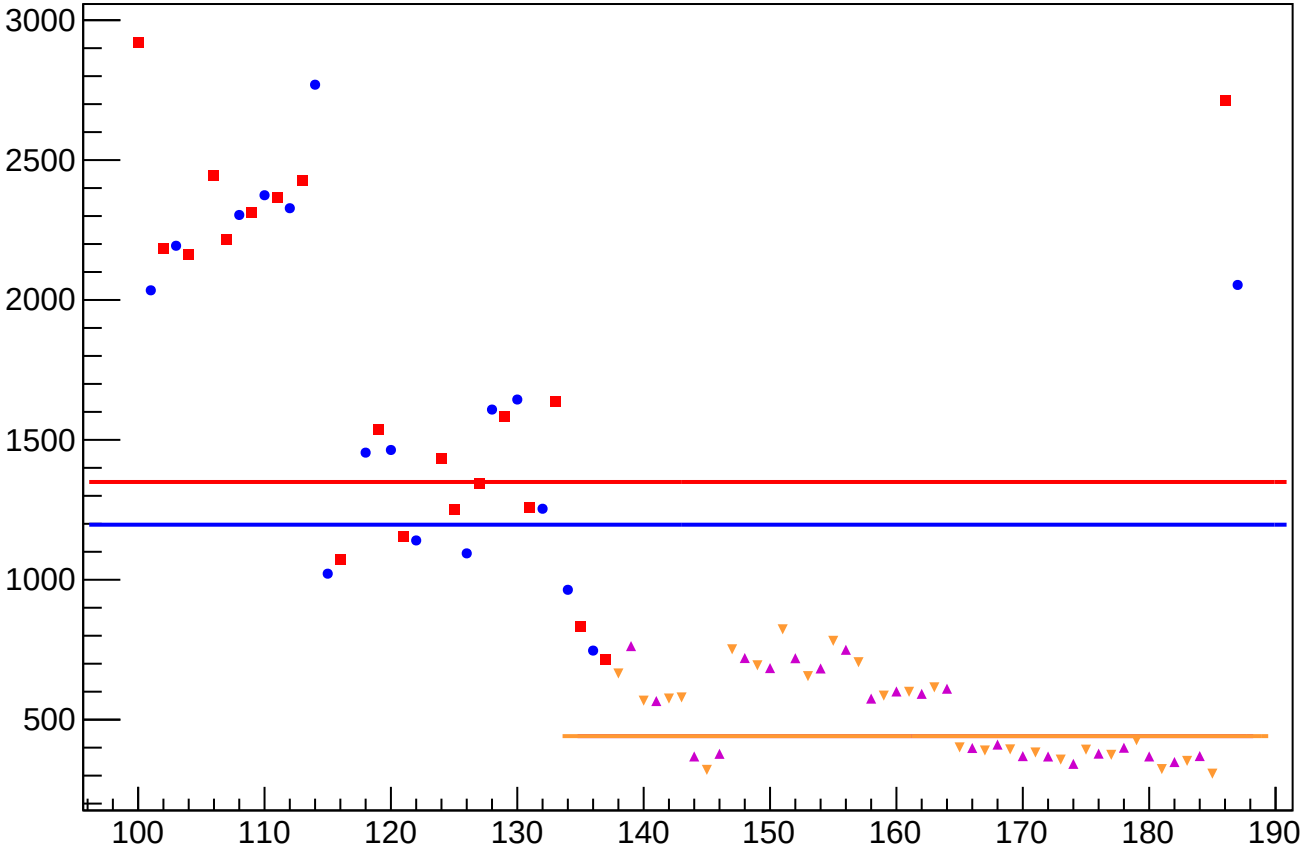
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -329.673+/-102.755 χ^2/NDF: 72.6/41

All: -186.583+/-73.581 χ^2/NDF: 129.2/84

- sign -35.989+/-105.415 χ^2/NDF: 52.6/42

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1196.832+/-0.337 χ^2/NDF: 2110784.0/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1349.501+/-0.366 χ^2/NDF: 2167925.0/19

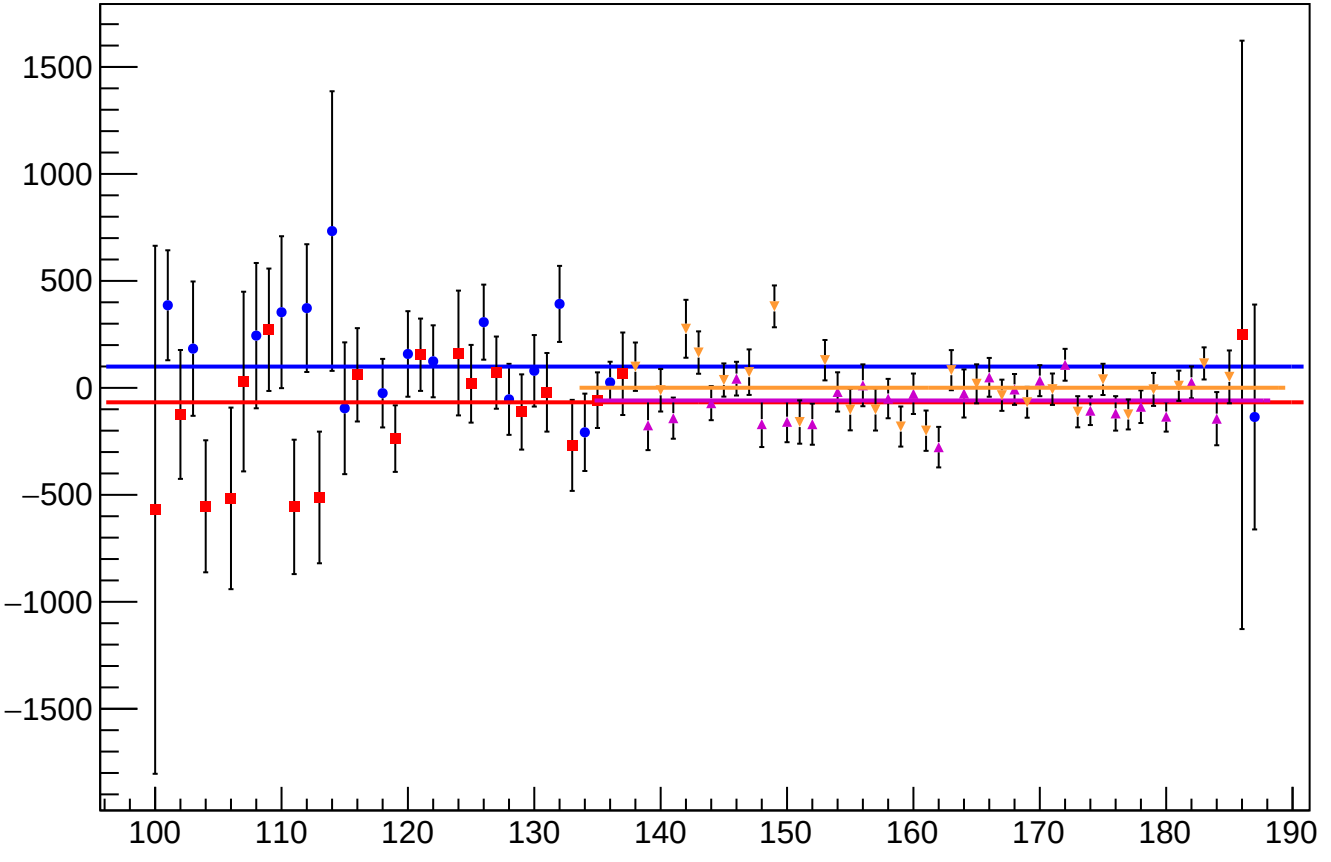
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 476.274+/-0.073 χ^2/NDF: 10142354.3/41

All: 477.522+/-0.052 χ^2/NDF: 20891220.8/84

- sign 478.836+/-0.075 χ^2/NDF: 10748260.9/42

cor_asym_sam_26_avg_mean vs Slug



Right In: 99.511+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.476+/-49.299 χ^2/NDF: 16.1/19

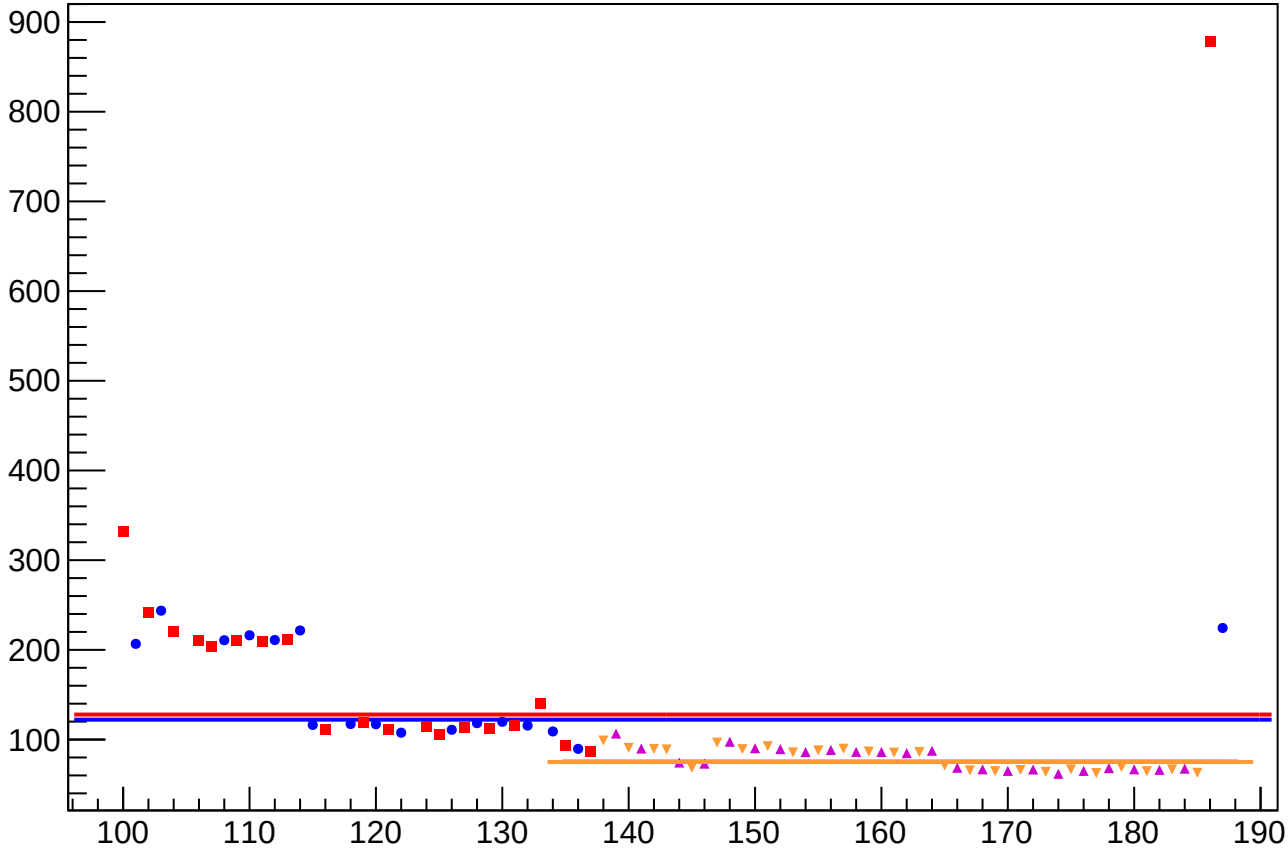
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.232+/-16.269 χ^2/NDF: 66.0/41

All: -22.659+/-11.690 χ^2/NDF: 117.5/84

- sign -59.900+/-16.808 χ^2/NDF: 42.0/42

cor_asym_sam_26_avg_rms vs Slug



Right In: 122.165+/-0.034 χ^2/NDF: 1362939.8/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

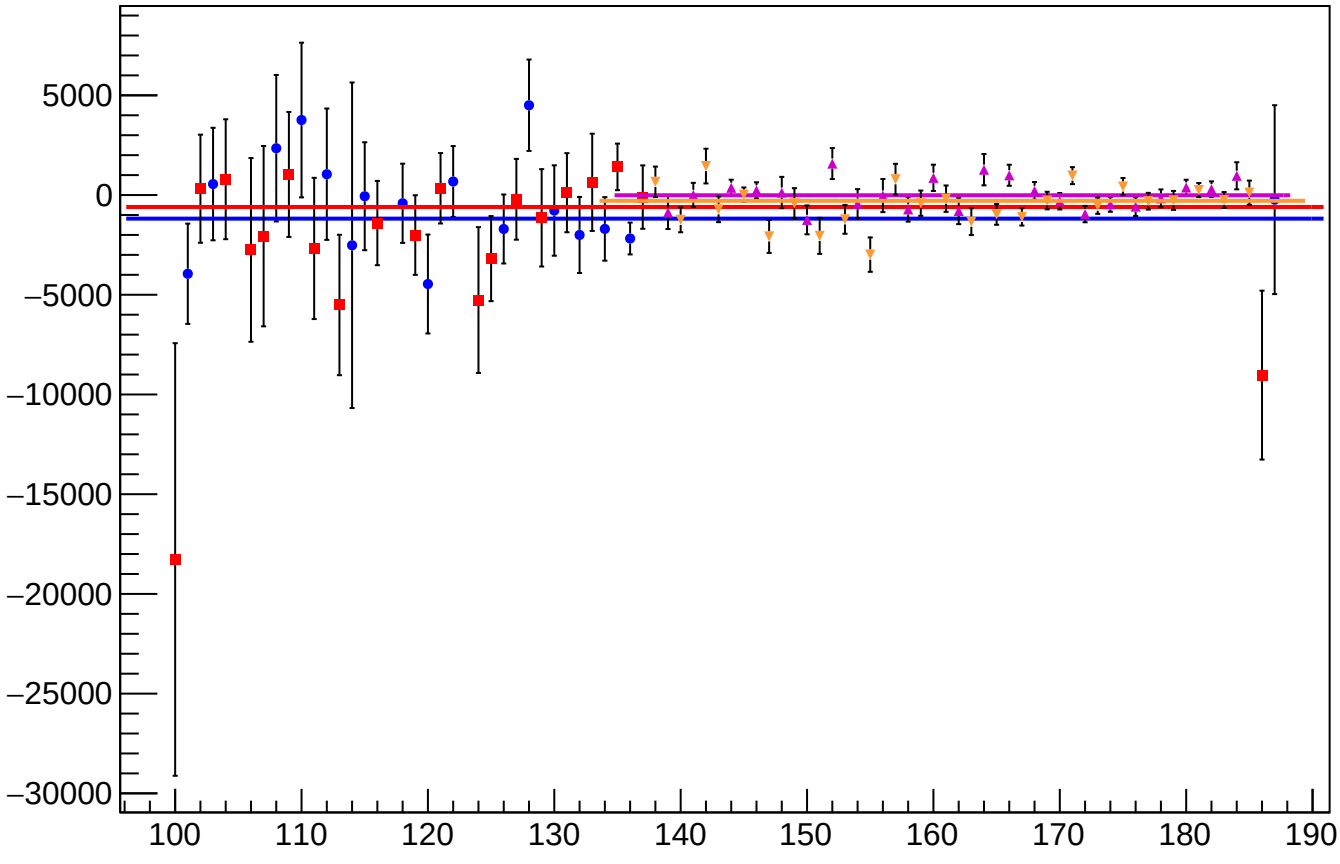
Right Out: 127.860+/-0.035 χ^2/NDF: 2061777.9/19

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.584+/-0.012 χ^2/NDF: 4032622.4/41

All: 81.006+/-0.008 χ^2/NDF: 8939971.0/84

- sign 81.456+/-0.012 χ^2/NDF: 4904573.1/42



Right In: -1182.417+/-476.479 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -597.976+/-518.277 χ^2/NDF: 17.4/19

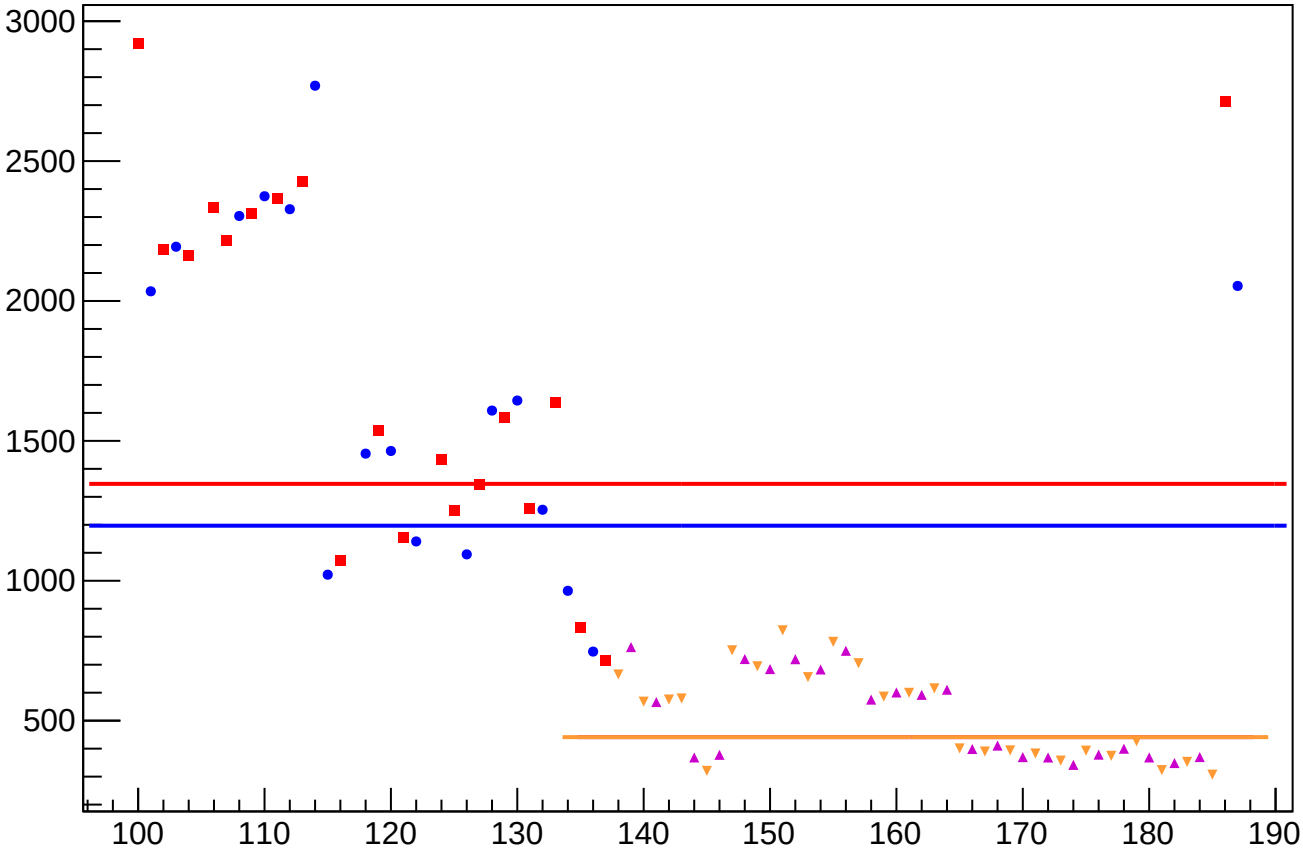
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.672+/-102.755 χ^2/NDF: 72.6/41

All: -186.078+/-73.582 χ^2/NDF: 128.7/84

- sign -34.944+/-105.419 χ^2/NDF: 52.0/42

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1196.832+/-0.337 χ^2/NDF: 2110814.5/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1346.333+/-0.366 χ^2/NDF: 2132136.5/19

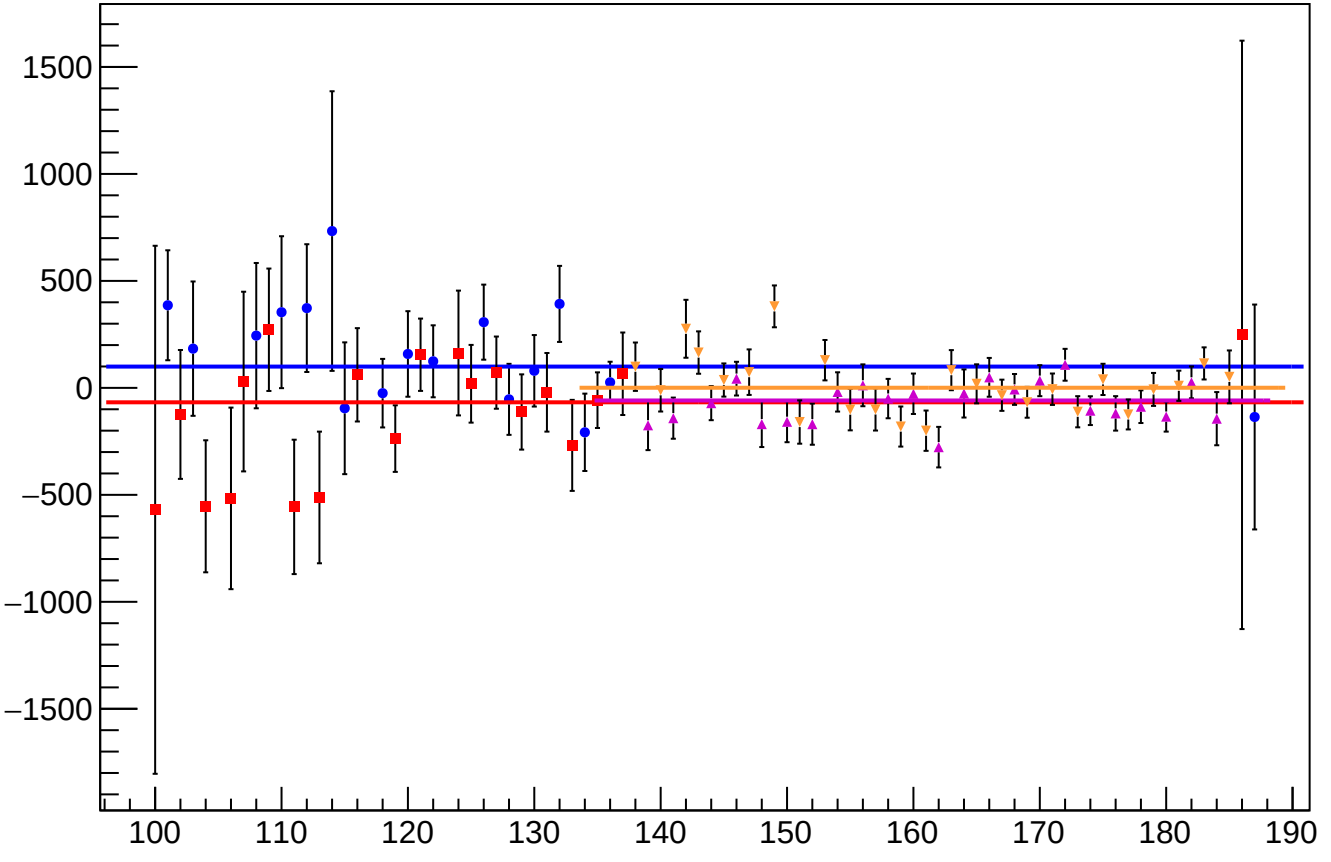
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 476.274+/-0.073 χ^2/NDF: 10142361.7/41

All: 477.429+/-0.052 χ^2/NDF: 20804791.7/84

- sign 478.644+/-0.075 χ^2/NDF: 10661911.6/42

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 99.511+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -67.476+/-49.299 χ^2/NDF: 16.1/19

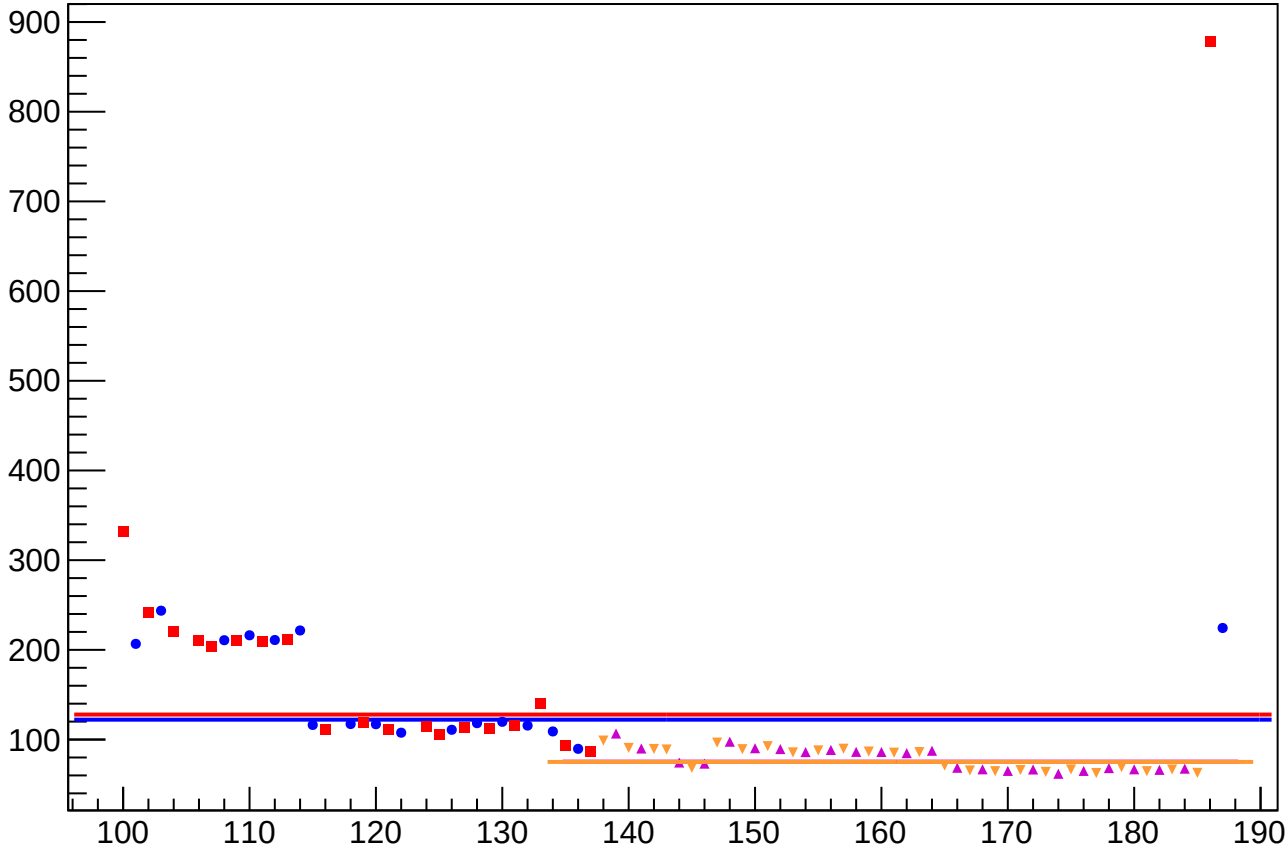
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.232+/-16.269 χ^2/NDF: 66.0/41

All: -22.659+/-11.690 χ^2/NDF: 117.5/84

- sign -59.900+/-16.808 χ^2/NDF: 42.0/42

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 122.165+/-0.034 χ^2/NDF: 1362939.8/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

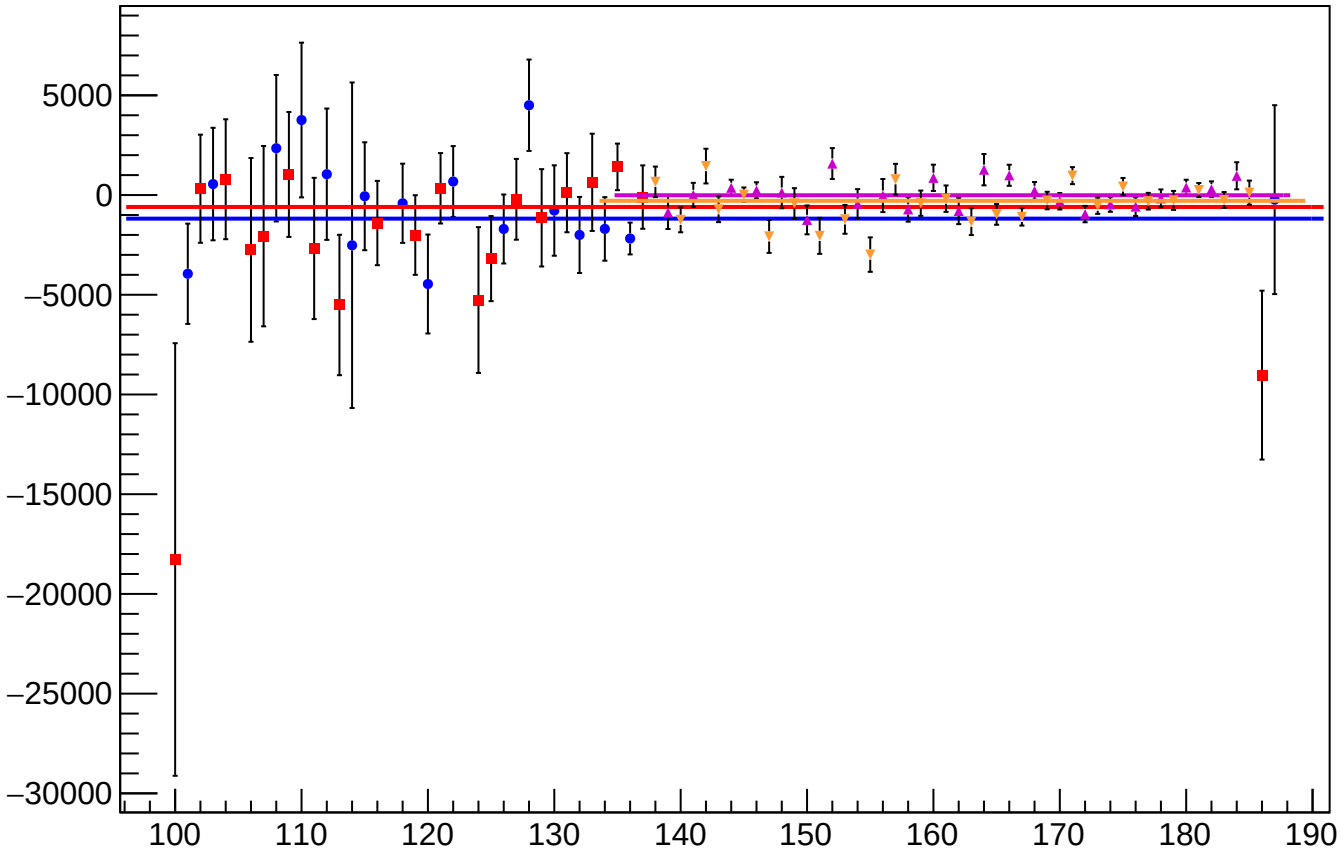
Right Out: 127.860+/-0.035 χ^2/NDF: 2061777.9/19

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 80.584+/-0.012 χ^2/NDF: 4032622.4/41

All: 81.006+/-0.008 χ^2/NDF: 8939971.0/84

- sign 81.456+/-0.012 χ^2/NDF: 4904573.1/42



Right In: -1182.417+/-476.479 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -597.976+/-518.277 χ^2/NDF: 17.4/19

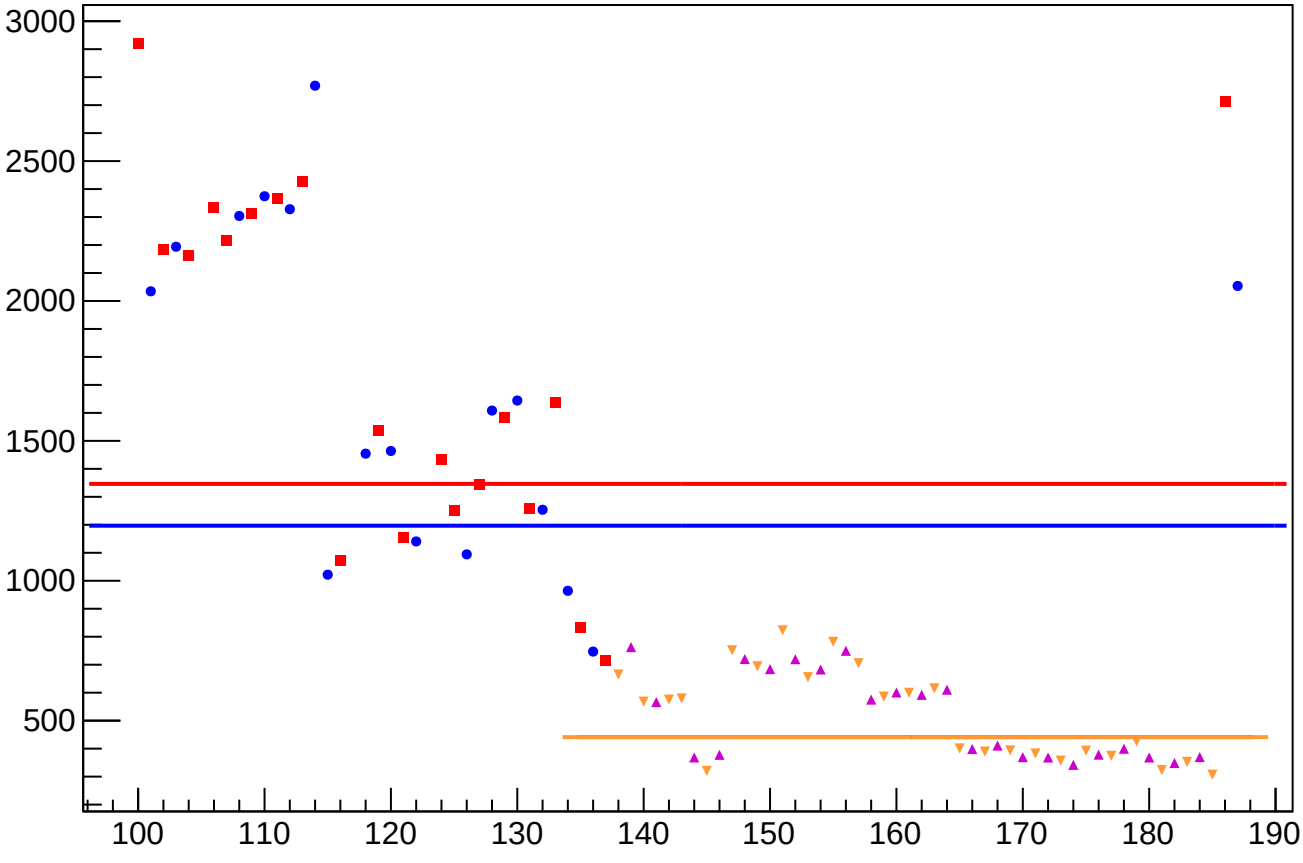
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -329.672+/-102.755 χ^2/NDF: 72.6/41

All: -186.078+/-73.582 χ^2/NDF: 128.7/84

- sign -34.944+/-105.419 χ^2/NDF: 52.0/42

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1196.832+/-0.337 χ^2/NDF: 2110814.5/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1346.333+/-0.366 χ^2/NDF: 2132136.5/19

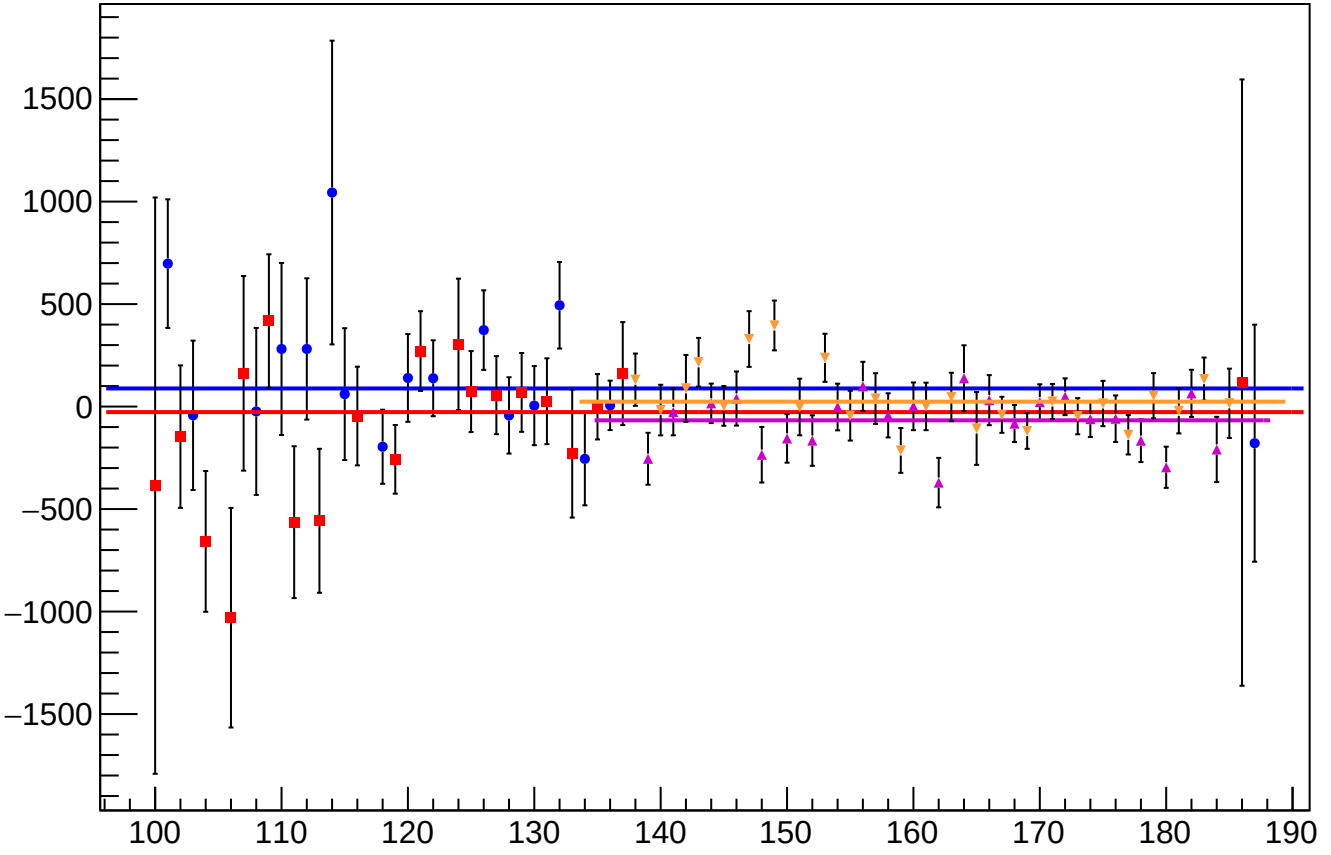
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 476.274+/-0.073 χ^2/NDF: 10142361.7/41

All: 477.429+/-0.052 χ^2/NDF: 20804791.7/84

- sign 478.644+/-0.075 χ^2/NDF: 10661911.6/42

dit_asym_sam_26_avg_mean vs Slug



Right In: 88.441+/-55.310 χ^2/NDF: 18.3/16

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -26.956+/-56.973 χ^2/NDF: 20.6/19

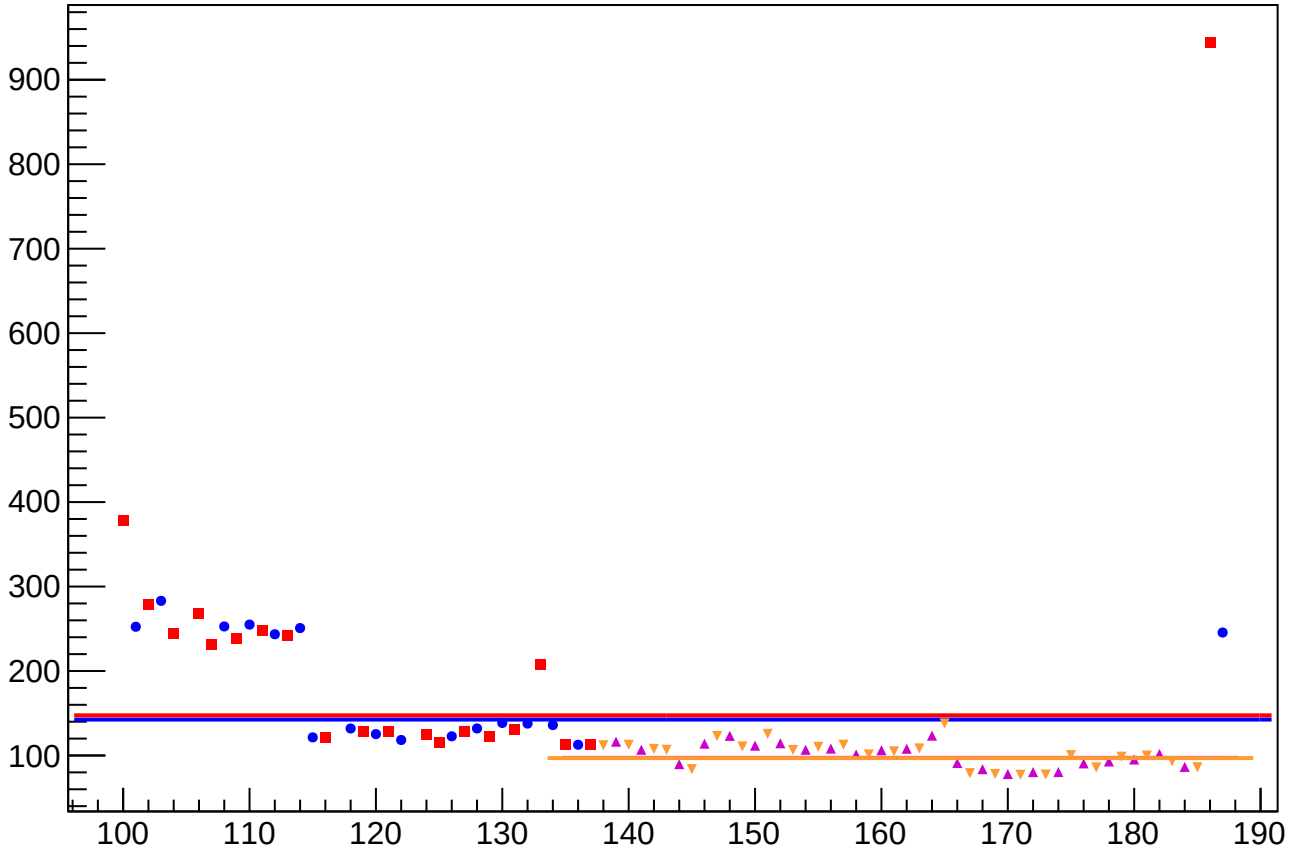
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 32.981+/-20.773 χ^2/NDF: 54.6/41

All: -12.759+/-14.914 χ^2/NDF: 114.3/84

- sign -61.411+/-21.424 χ^2/NDF: 49.6/42

dit_asym_sam_26_avg_rms vs Slug



Right In: 142.538+/-0.039 χ^2/NDF: 1326473.6/16

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

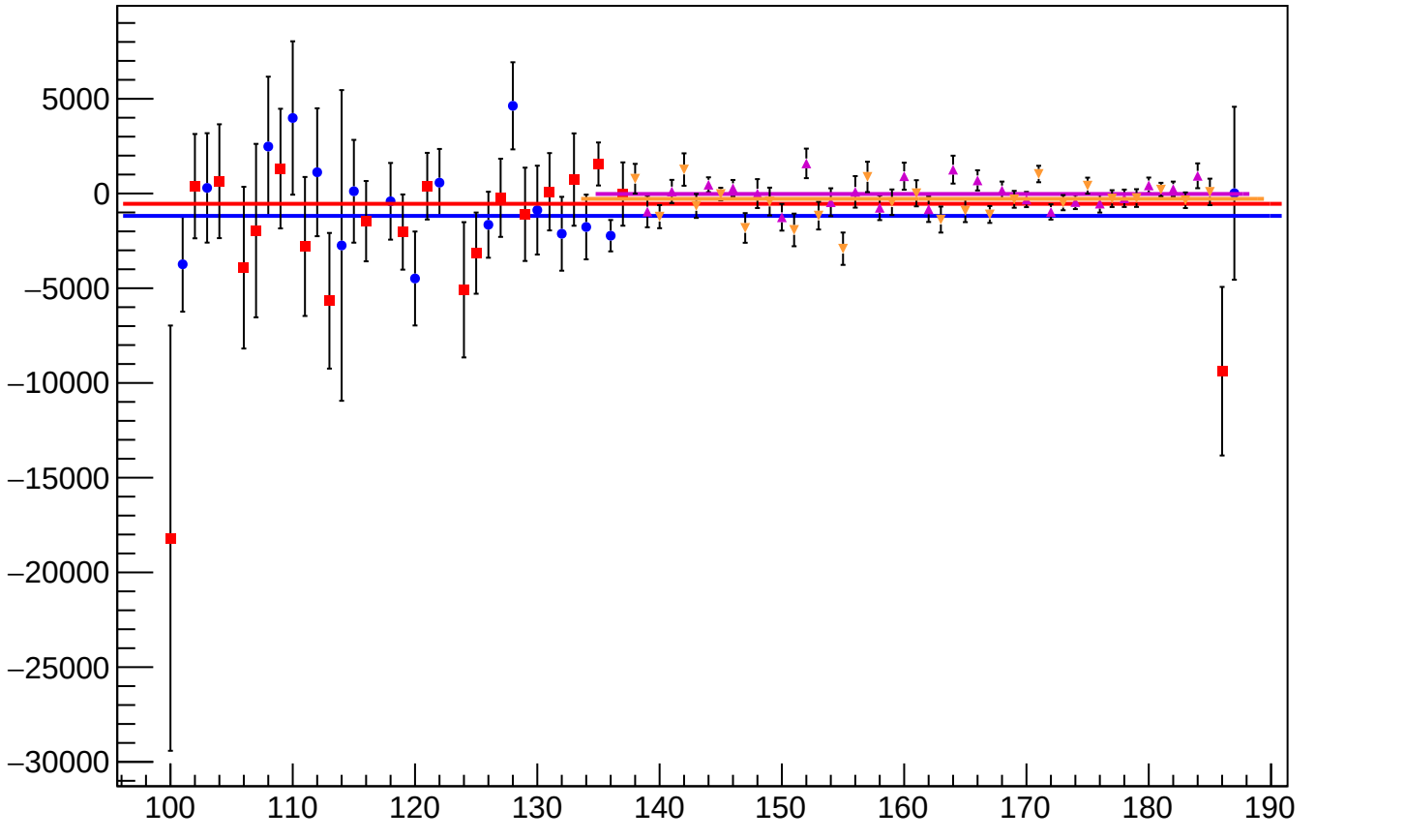
Right Out: 147.552+/-0.040 χ^2/NDF: 2094552.0/19

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 103.344+/-0.015 χ^2/NDF: 3429692.8/41

All: 103.803+/-0.011 χ^2/NDF: 7543868.0/84

- sign 104.292+/-0.015 χ^2/NDF: 4112156.0/42



Right In: -1182.798+/-488.561 χ^2/NDF: 16.0/16

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -544.649+/-520.240 χ^2/NDF: 18.3/19

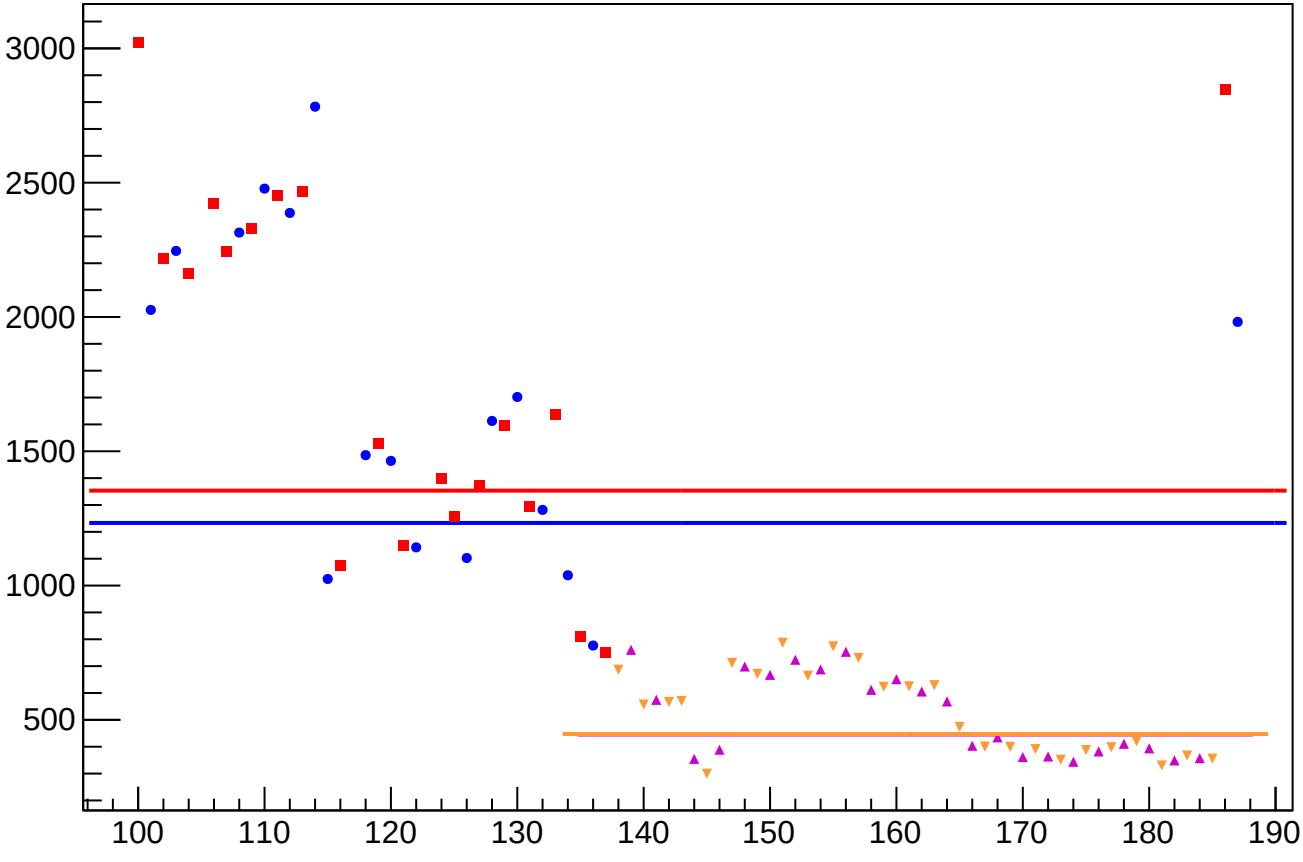
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -323.189+/-103.958 χ^2/NDF: 69.7/41

All: -188.258+/-74.417 χ^2/NDF: 125.3/84

- sign -46.449+/-106.574 χ^2/NDF: 52.2/42

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1233.147+/-0.345 χ^2/NDF: 2013785.6/16

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1353.492+/-0.368 χ^2/NDF: 2223352.2/19

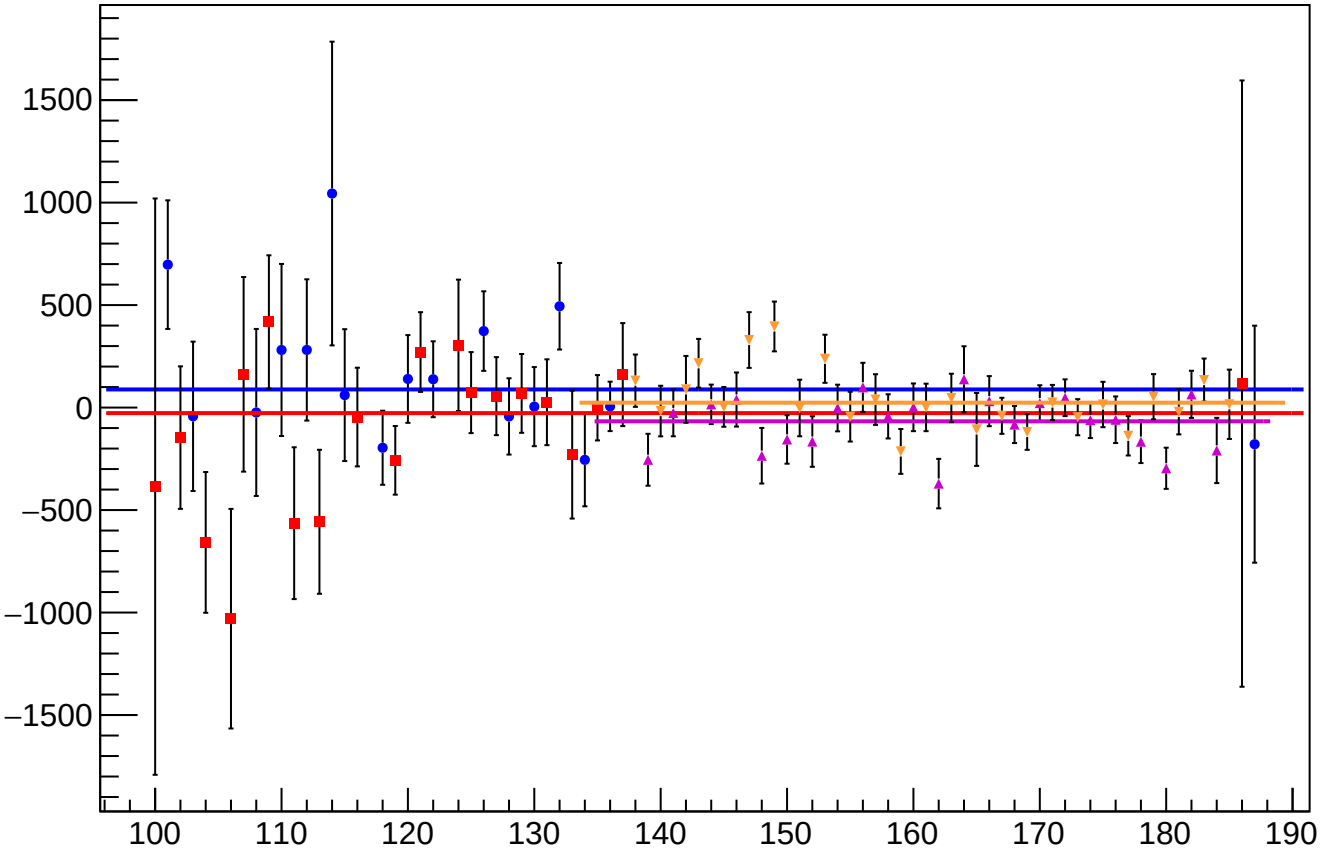
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 482.962+/-0.074 χ^2/NDF: 10150699.1/41

All: 483.272+/-0.053 χ^2/NDF: 20924187.0/84

- sign 483.596+/-0.075 χ^2/NDF: 10773451.6/42

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 88.444+/-55.309 χ^2/NDF: 18.3/16

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -26.957+/-56.973 χ^2/NDF: 20.6/19

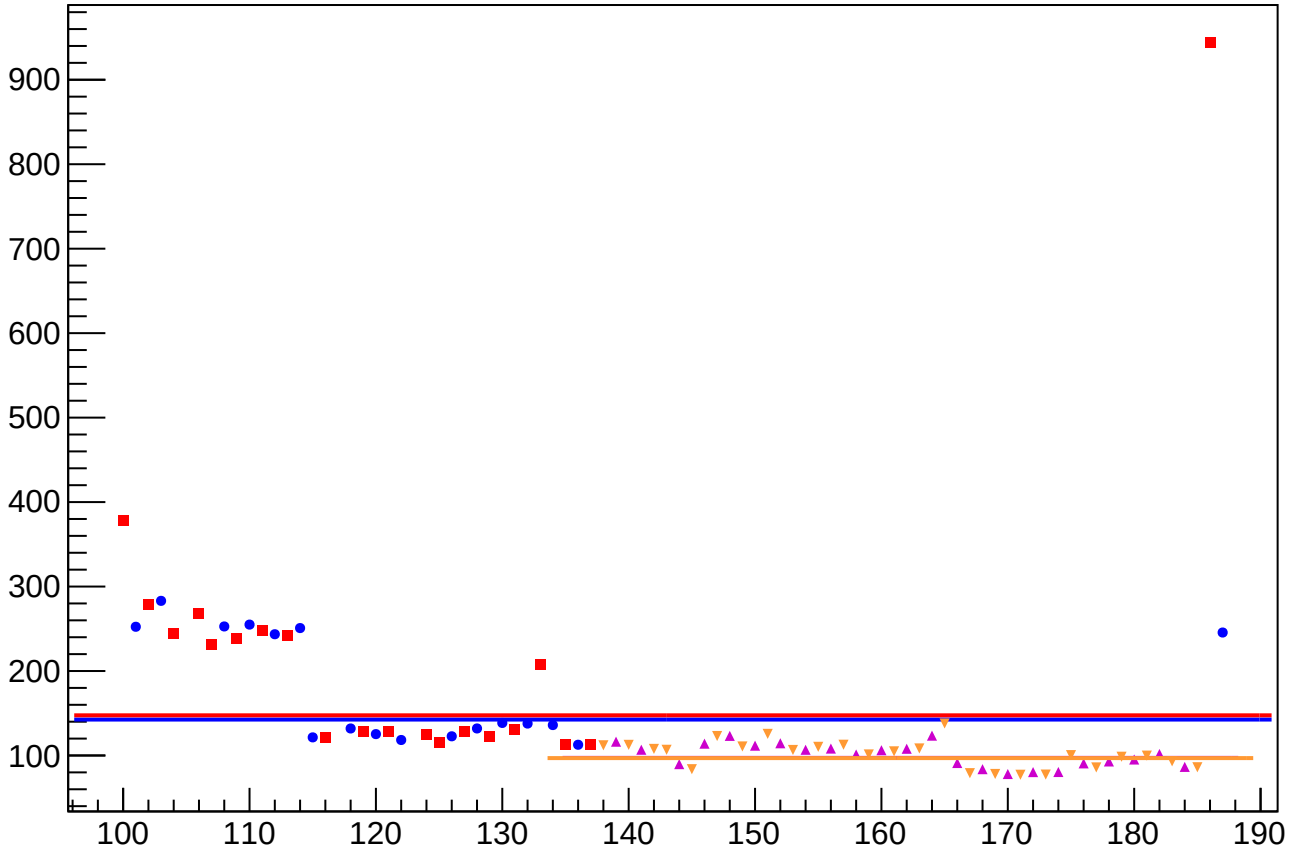
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 32.980+/-20.773 χ^2/NDF: 54.6/41

All: -12.760+/-14.914 χ^2/NDF: 114.3/84

- sign -61.411+/-21.424 χ^2/NDF: 49.6/42

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 142.537+/-0.039 χ^2/NDF: 1326458.8/16

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

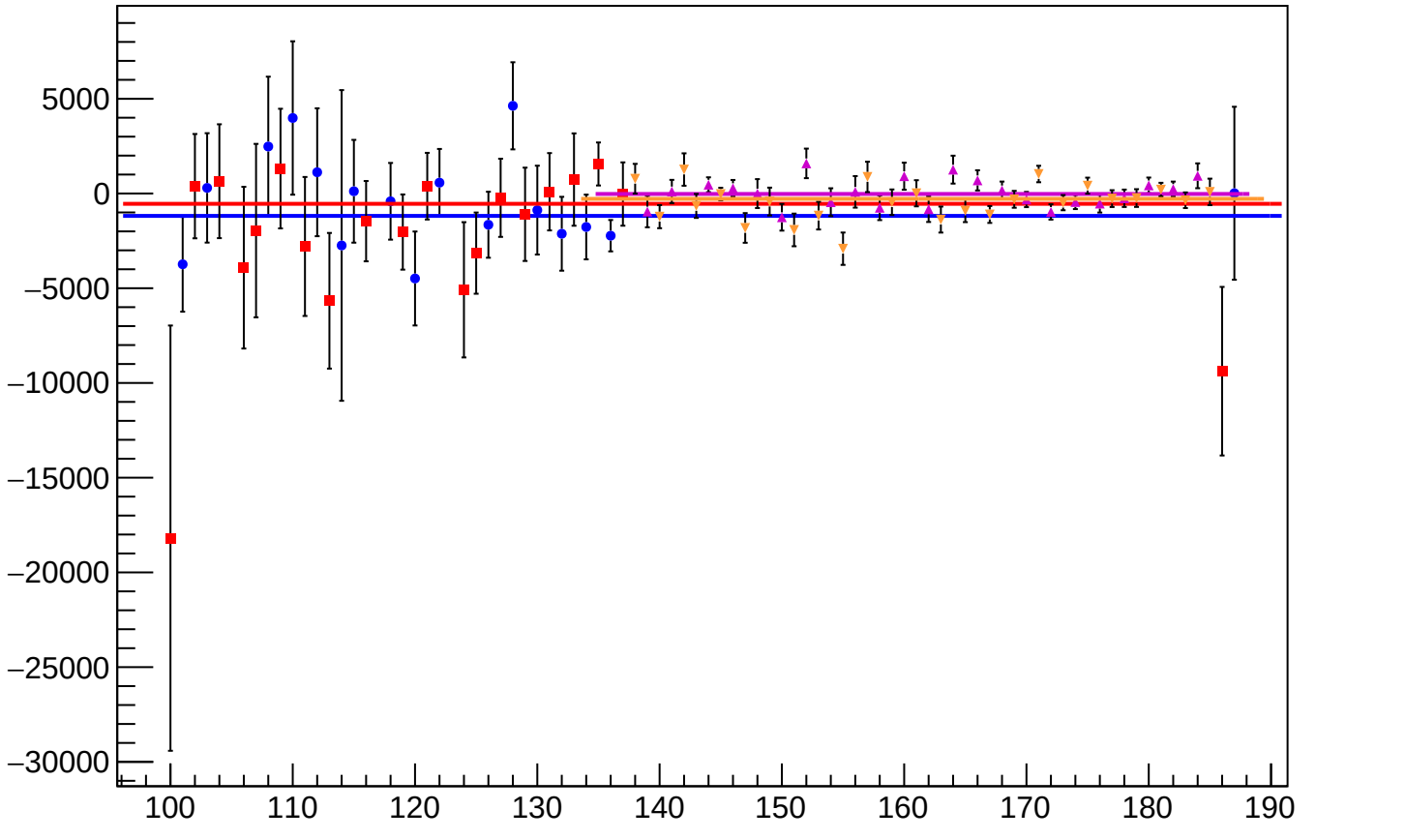
Right Out: 147.552+/-0.040 χ^2/NDF: 2094537.9/19

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 103.344+/-0.015 χ^2/NDF: 3429637.3/41

All: 103.804+/-0.011 χ^2/NDF: 7543755.6/84

- sign 104.292+/-0.015 χ^2/NDF: 4112098.7/42



Right In: -1182.794+/-488.560 χ^2/NDF: 16.0/16

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

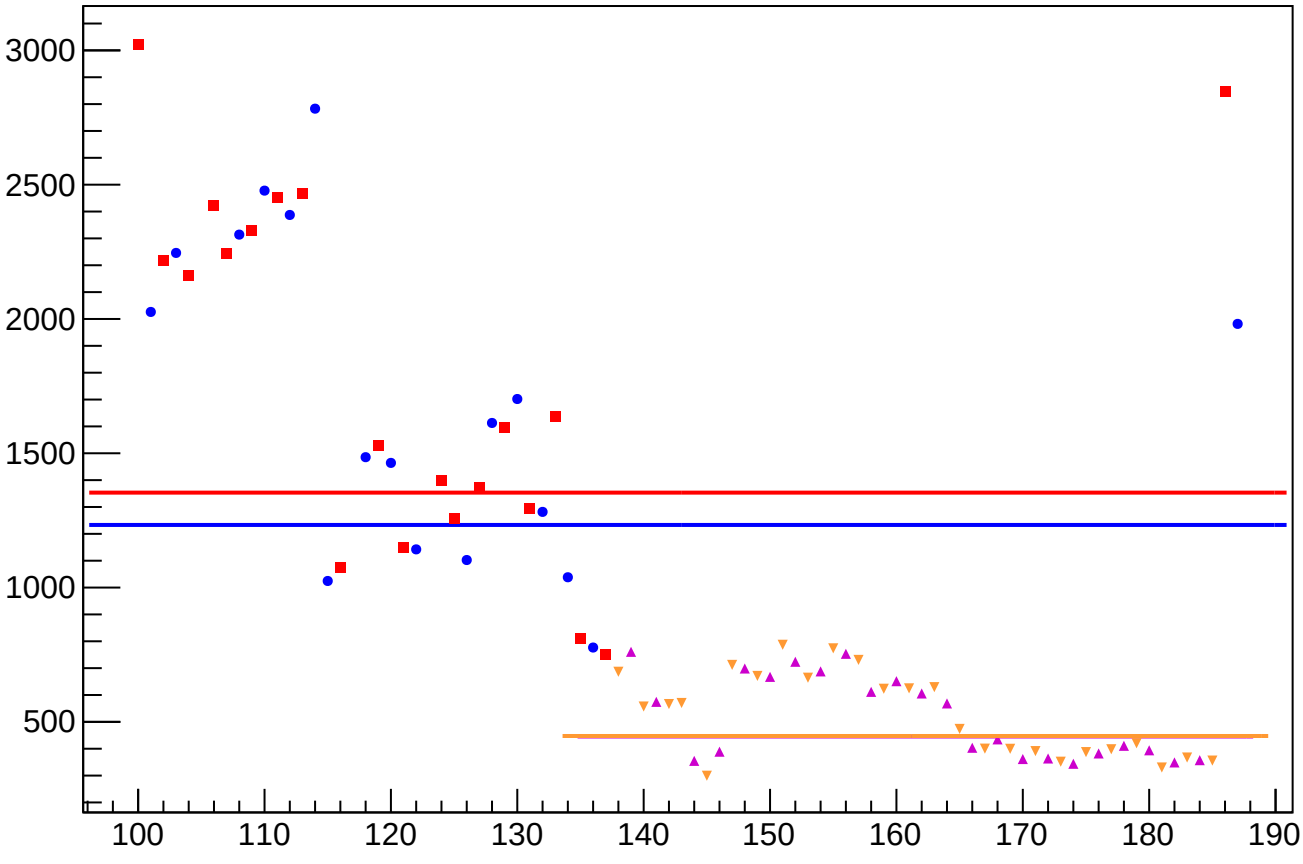
Right Out: -544.651+/-520.240 χ^2/NDF: 18.3/19

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -323.187+/-103.958 χ^2/NDF: 69.7/41

All: -188.258+/-74.417 χ^2/NDF: 125.3/84

- sign -46.449+/-106.574 χ^2/NDF: 52.2/42



Right In: 1233.146+/-0.345 χ^2/NDF: 2013764.4/16

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1353.491+/-0.368 χ^2/NDF: 2223335.1/19

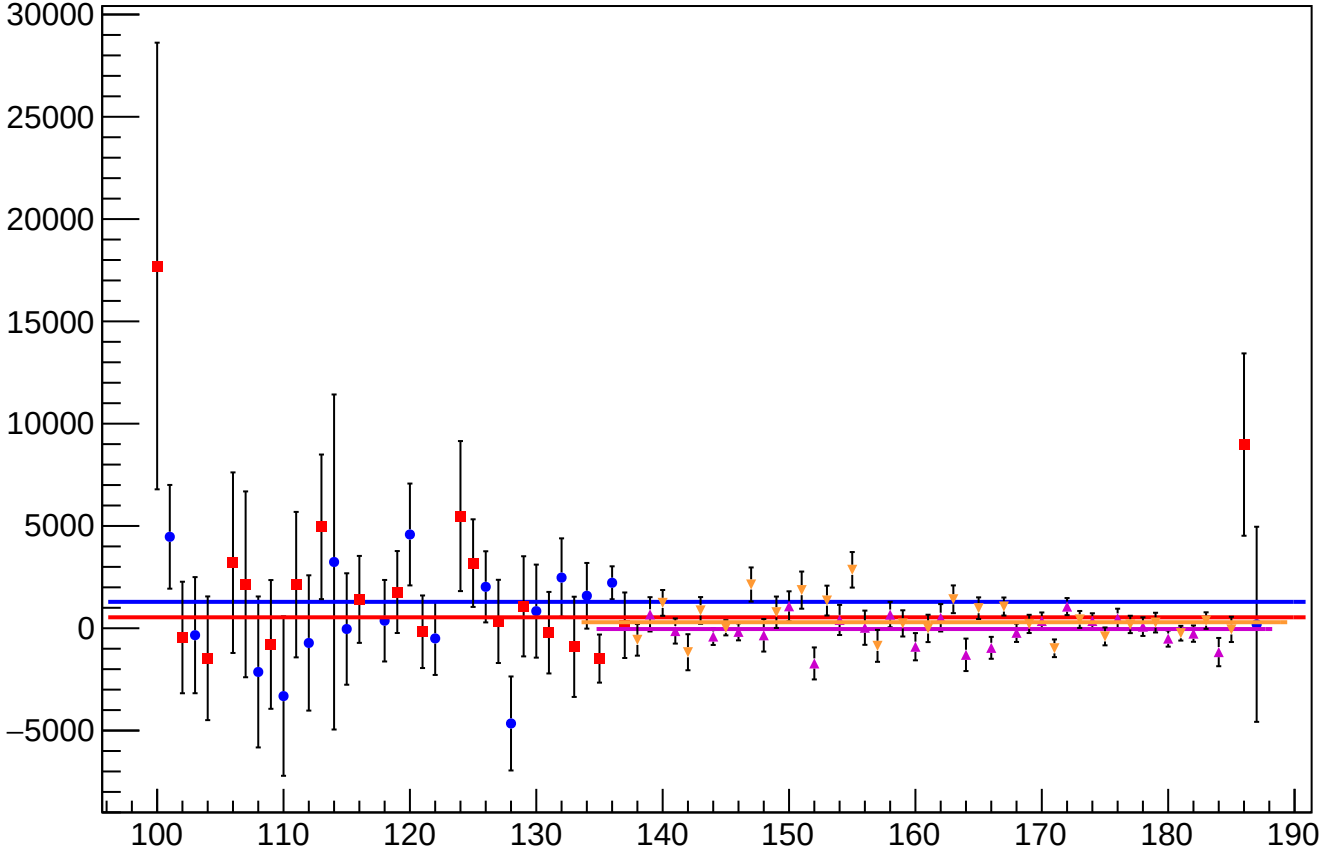
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 482.962+/-0.074 χ^2/NDF: 10150710.6/41

All: 483.271+/-0.053 χ^2/NDF: 20924198.4/84

- sign 483.596+/-0.075 χ^2/NDF: 10773451.6/42

asym_sam_26_avg_mean vs Slug



Right In: 1290.412+/-479.515 χ^2/NDF: 16.5/16

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 535.234+/-520.920 χ^2/NDF: 16.7/19

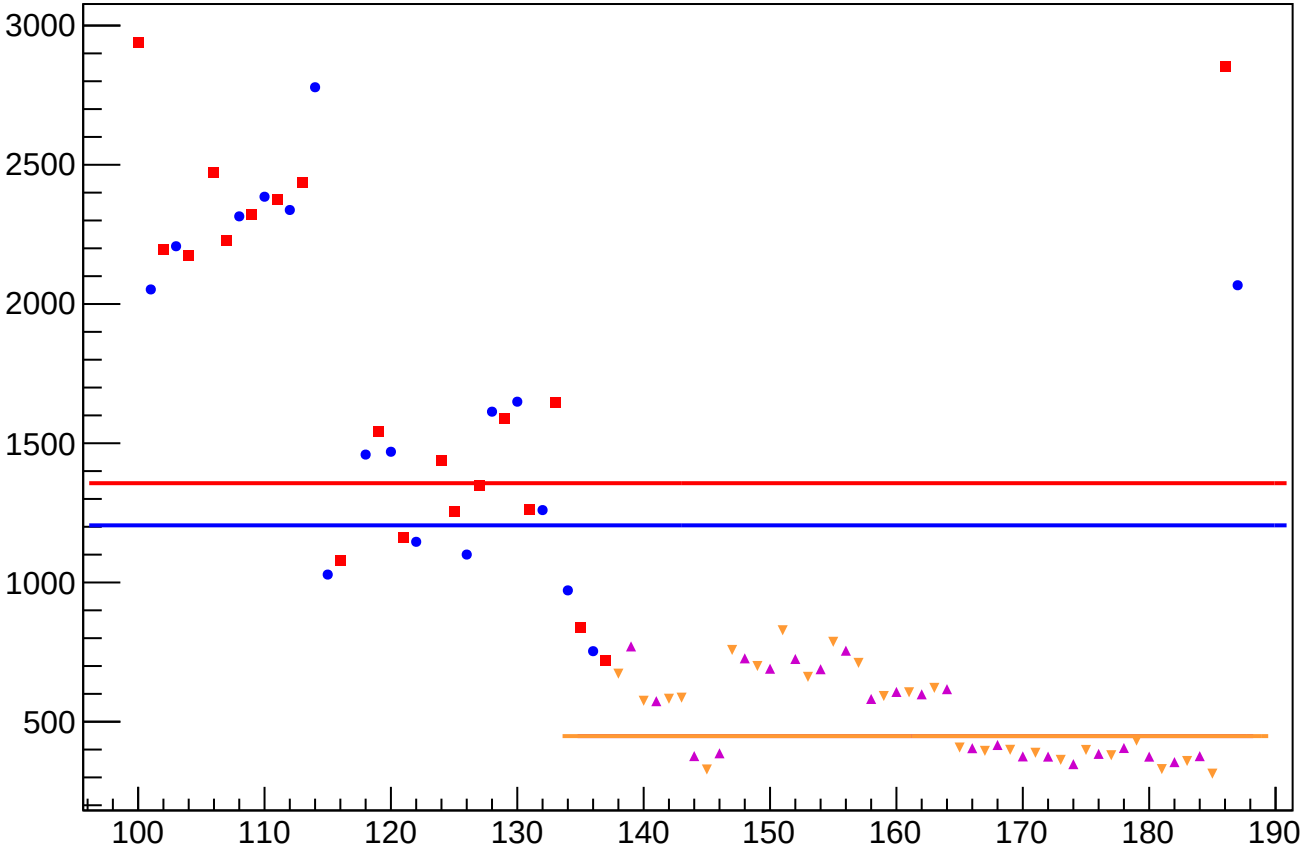
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 342.059+/-104.255 χ^2/NDF: 71.1/41

All: 168.669+/-74.666 χ^2/NDF: 127.6/84

- sign -13.923+/-106.985 χ^2/NDF: 50.8/42

asym_sam_26_avg_rms vs Slug



Right In: 1205.162+/-0.339 χ^2/NDF: 2097778.8/16

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1356.554+/-0.368 χ^2/NDF: 2180471.0/19

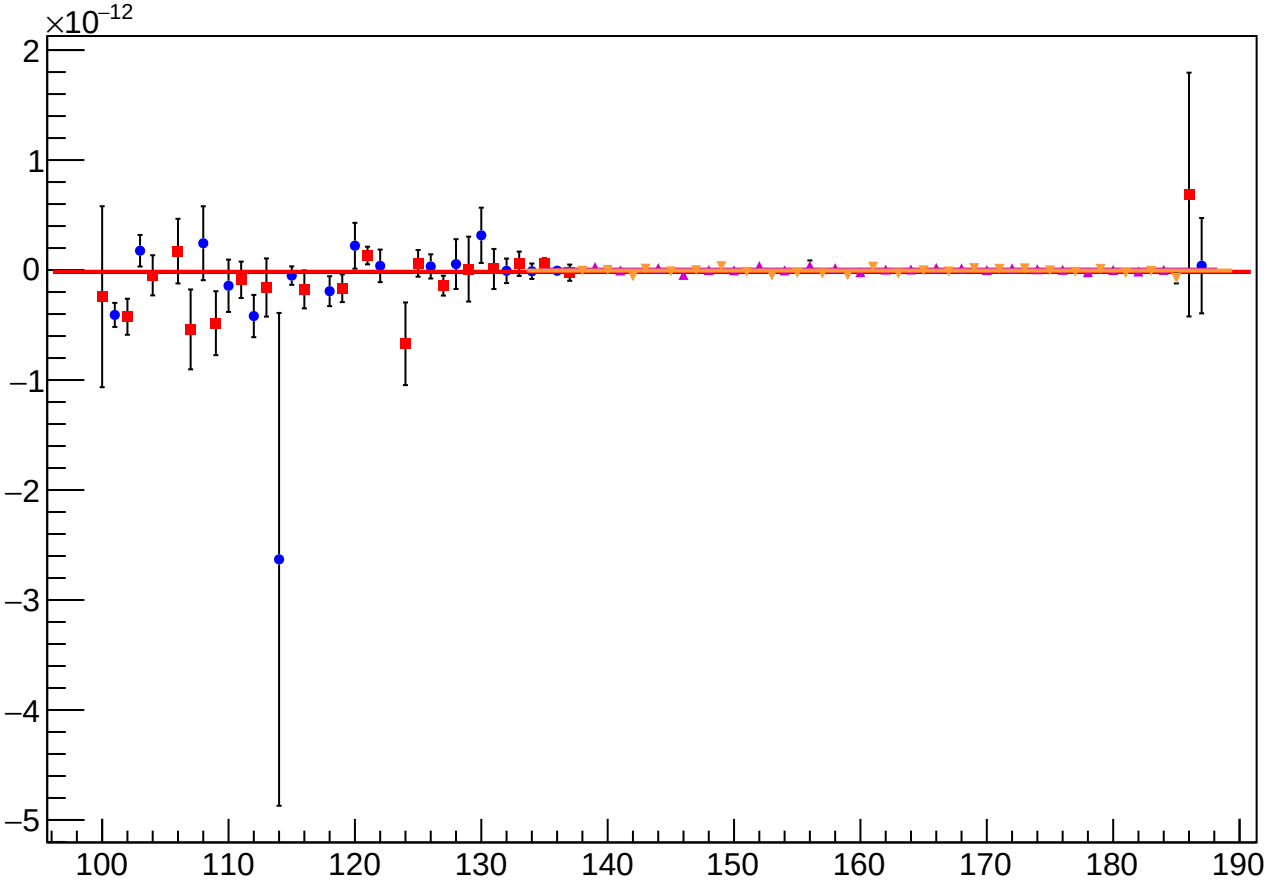
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

\+ sign 484.056+/-0.074 χ^2/NDF: 10002062.6/41

All: 485.345+/-0.053 χ^2/NDF: 20626219.9/84

\- sign 486.703+/-0.076 χ^2/NDF: 10623529.5/42

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

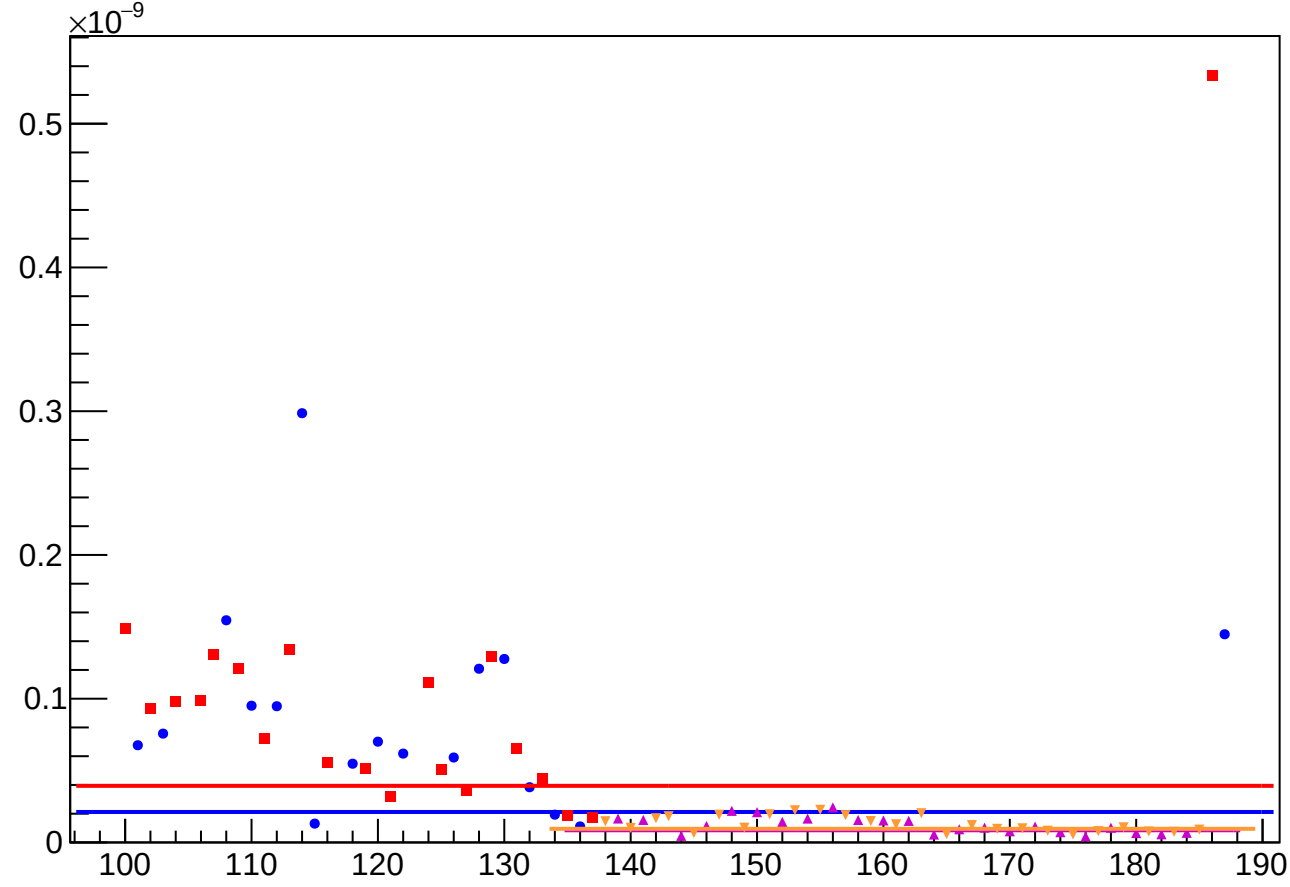
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/19

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/41

All: -0.000+/-0.000 χ^2/NDF: 96.4/84

- sign 0.000+/-0.000 χ^2/NDF: 43.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 3543973.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

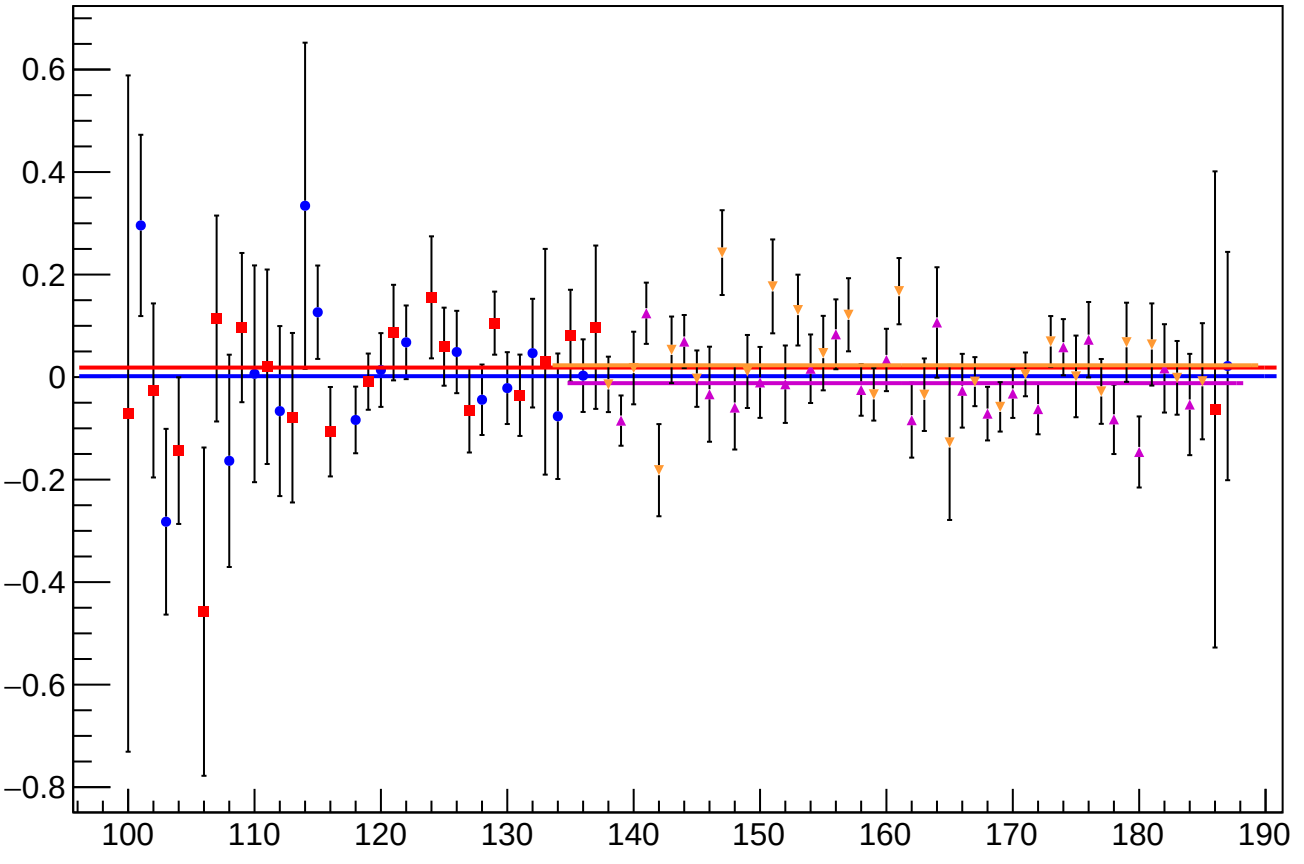
Right Out: 0.000+/-0.000 χ^2/NDF: 2471999.6/19

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 6791591.9/41

All: 0.000+/-0.000 χ^2/NDF: 14539017.7/84

- sign 0.000+/-0.000 χ^2/NDF: 7679482.0/42



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

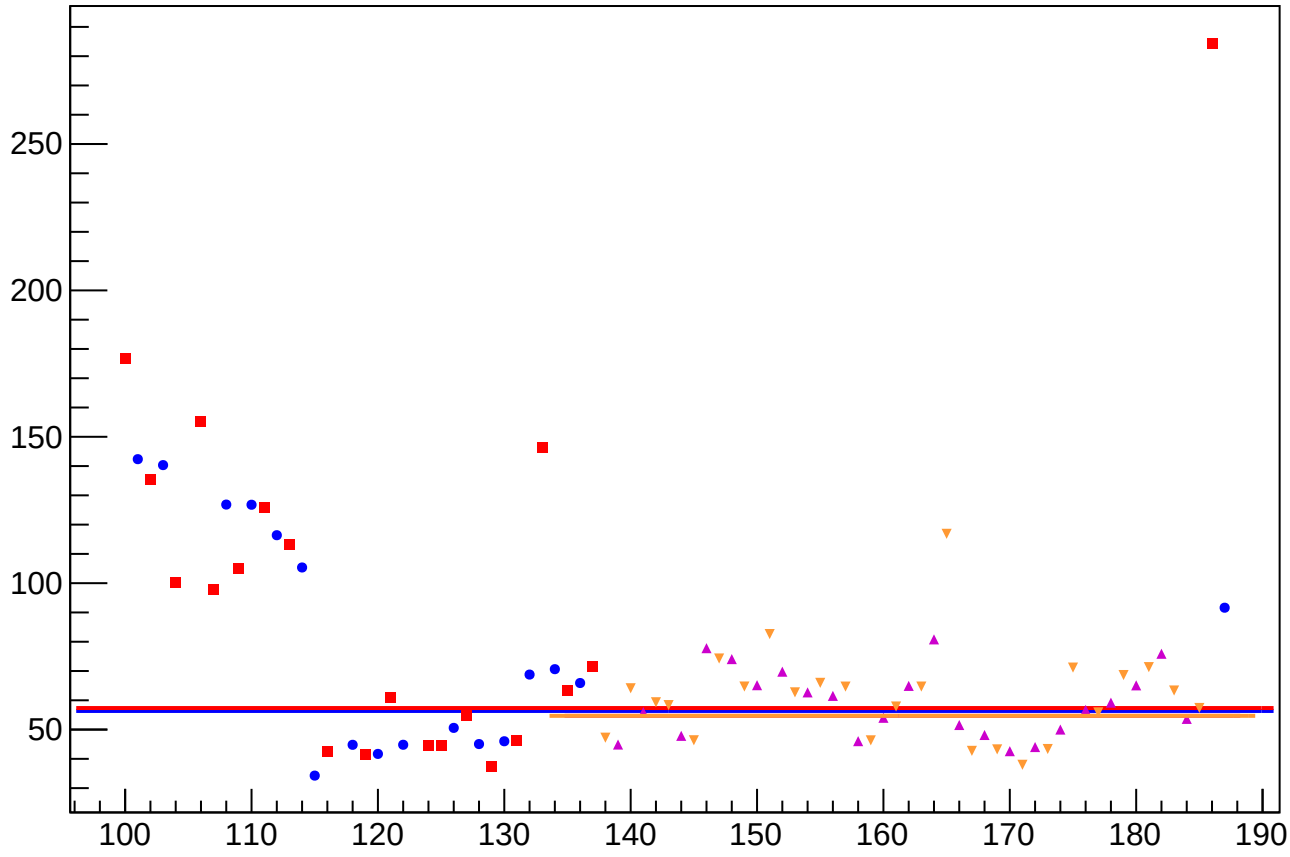
Right Out: 0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/41

All: 0.007+/-0.008 χ^2/NDF: 90.1/84

- sign -0.005+/-0.012 χ^2/NDF: 40.3/42



Right In: 56.358+/-0.016 χ^2/NDF: 2230520.1/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

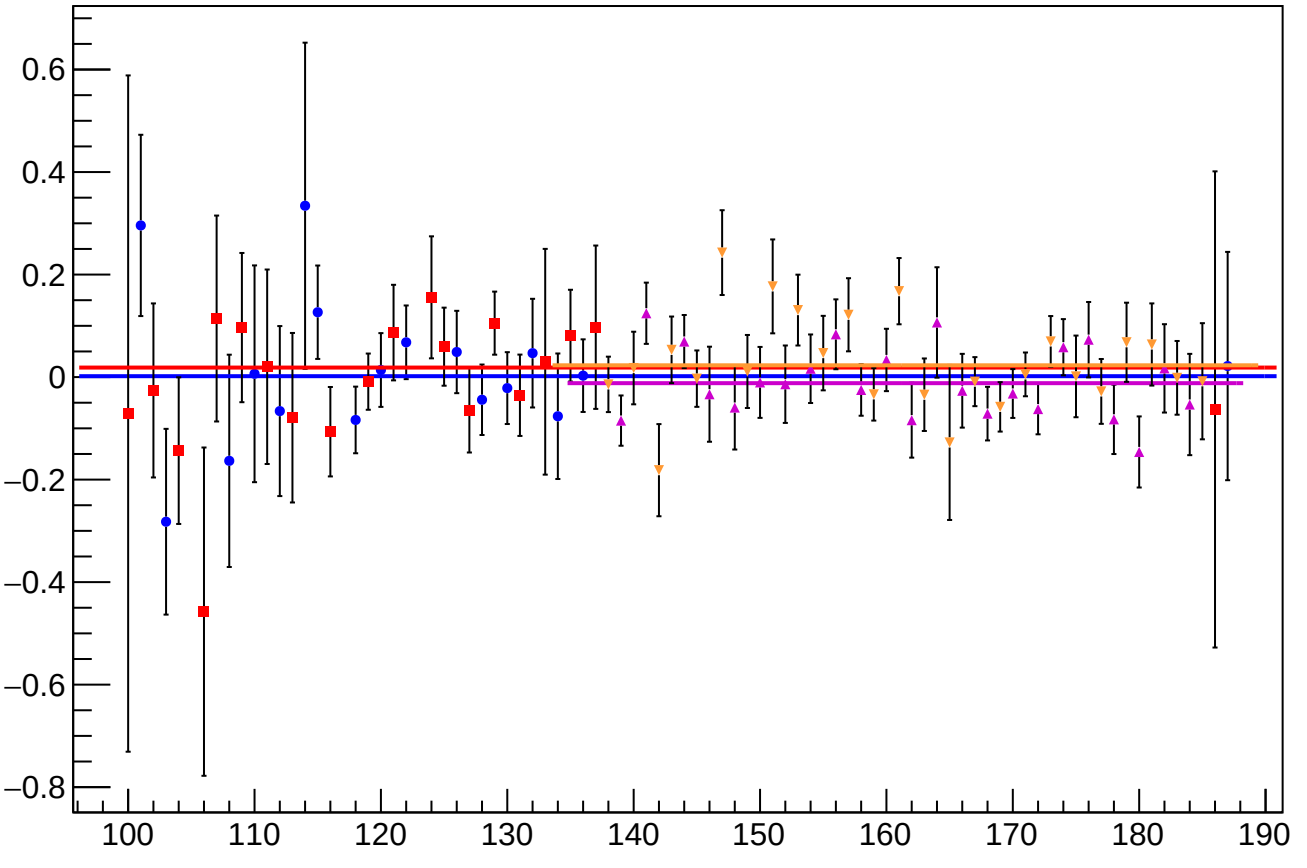
Right Out: 57.352+/-0.017 χ^2/NDF: 3031829.3/19

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.080+/-0.008 χ^2/NDF: 4174961.7/41

All: 55.203+/-0.006 χ^2/NDF: 8417575.6/84

- sign 55.332+/-0.008 χ^2/NDF: 4242127.4/42



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

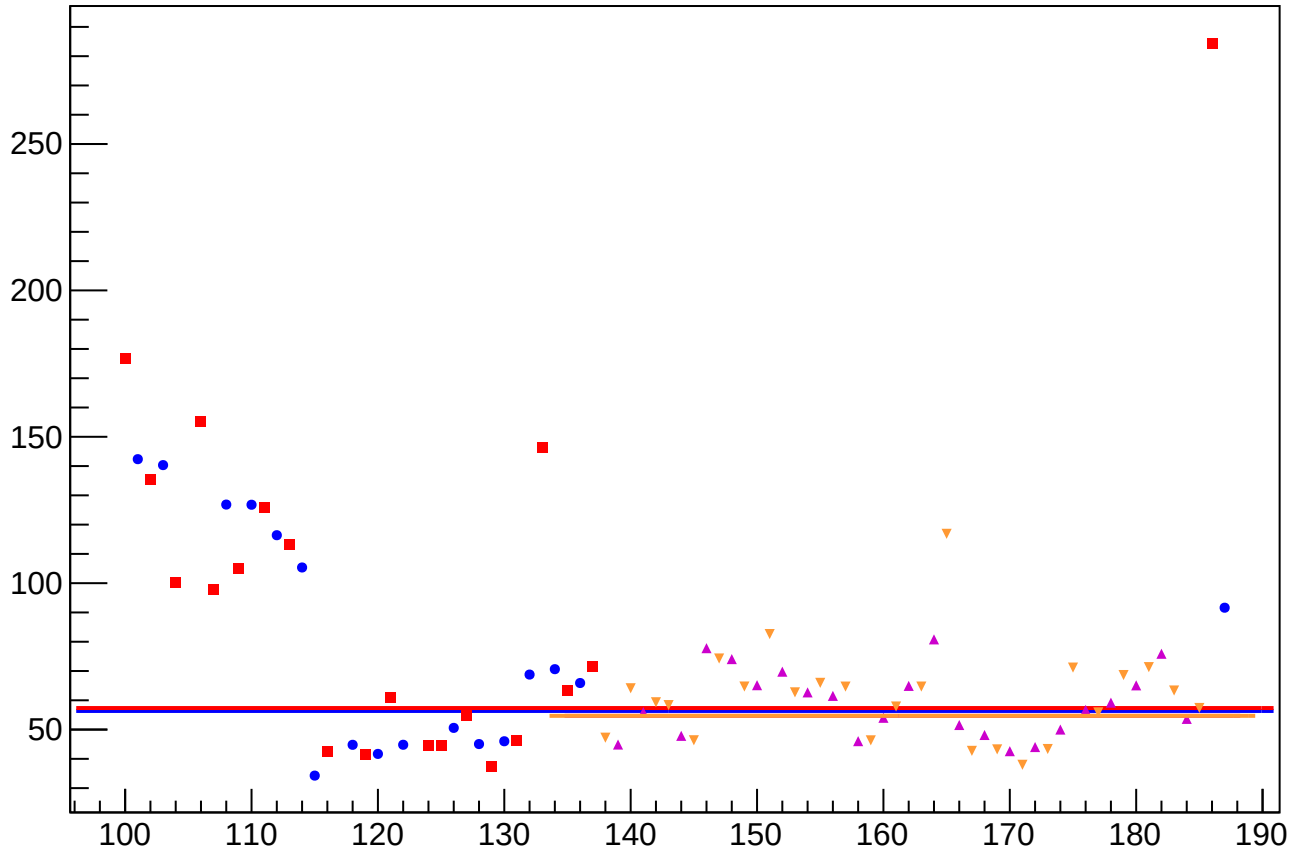
Right Out: 0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/41

All: 0.007+/-0.008 χ^2/NDF: 90.1/84

- sign -0.005+/-0.012 χ^2/NDF: 40.3/42



Right In: 56.358+/-0.016 χ^2/NDF: 2230520.1/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

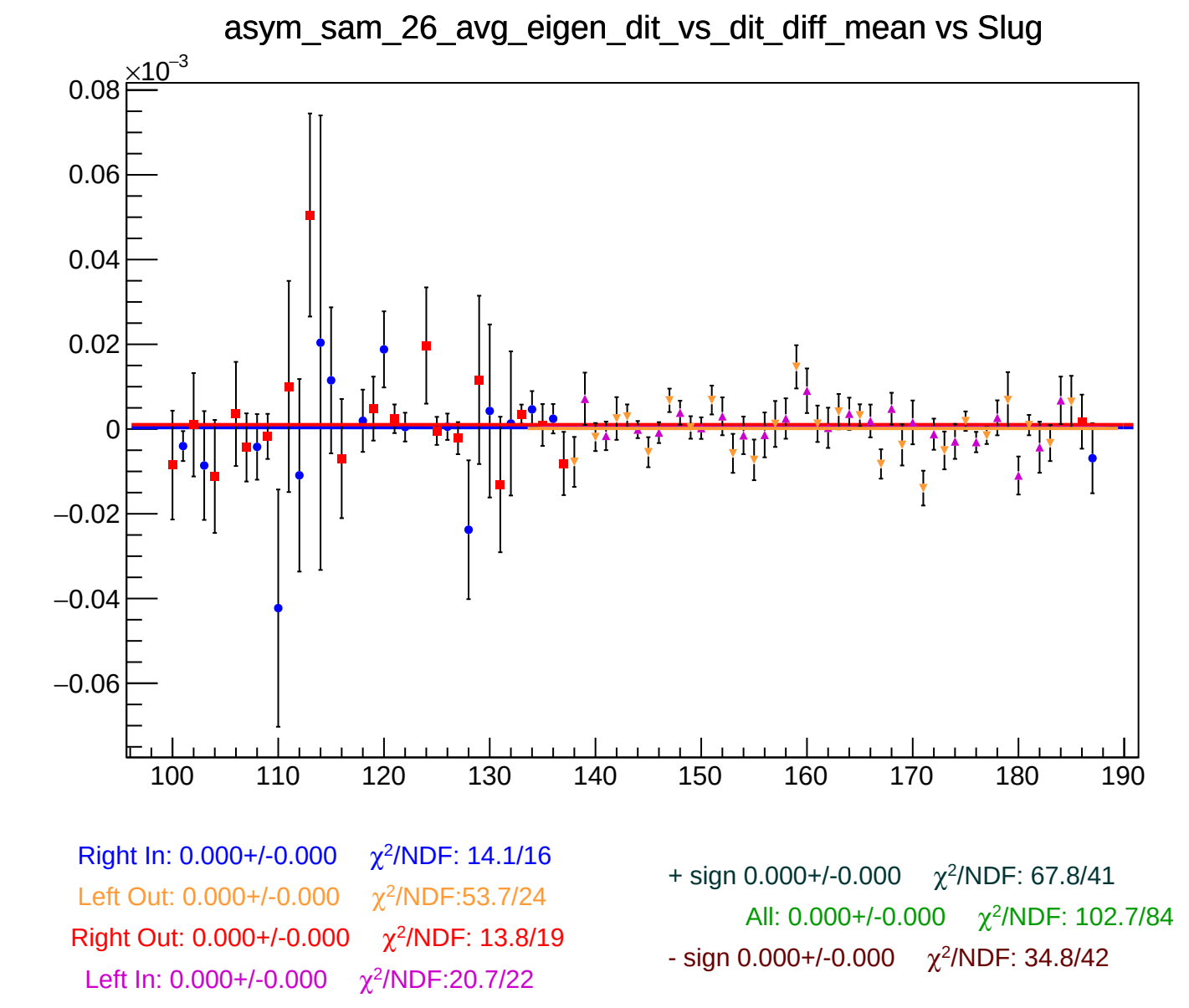
Right Out: 57.352+/-0.017 χ^2/NDF: 3031829.3/19

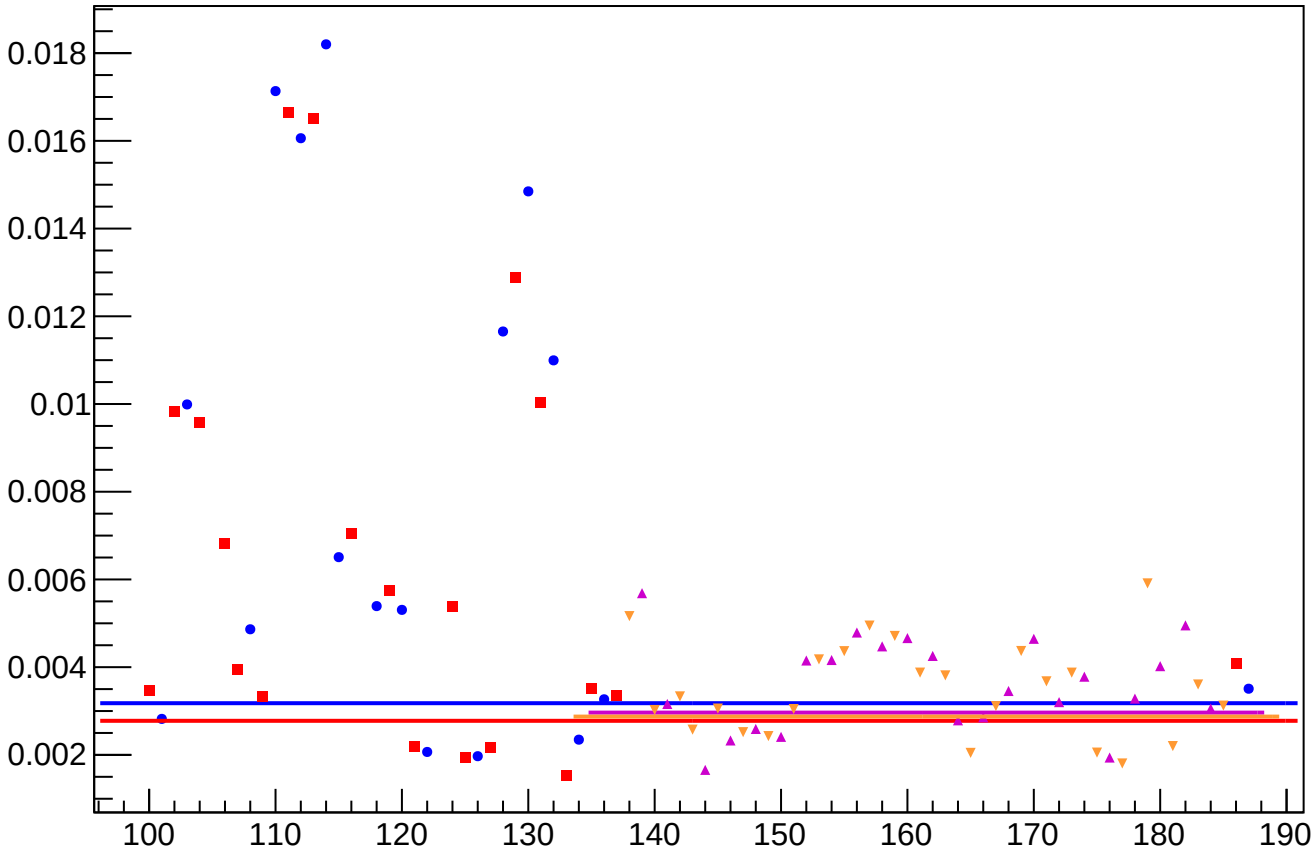
Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.080+/-0.008 χ^2/NDF: 4174961.7/41

All: 55.203+/-0.006 χ^2/NDF: 8417575.6/84

- sign 55.332+/-0.008 χ^2/NDF: 4242127.4/42


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 14.1/16
Left Out: 0.000+/-0.000 χ²/NDF:53.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 13.8/19
Left In: 0.000+/-0.000 χ²/NDF:20.7/22
+ sign 0.000+/-0.000 χ²/NDF: 67.8/41
All: 0.000+/-0.000 χ²/NDF: 102.7/84
- sign 0.000+/-0.000 χ²/NDF: 34.8/42



Right In: 0.003+/-0.000 χ^2/NDF: 4548902.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

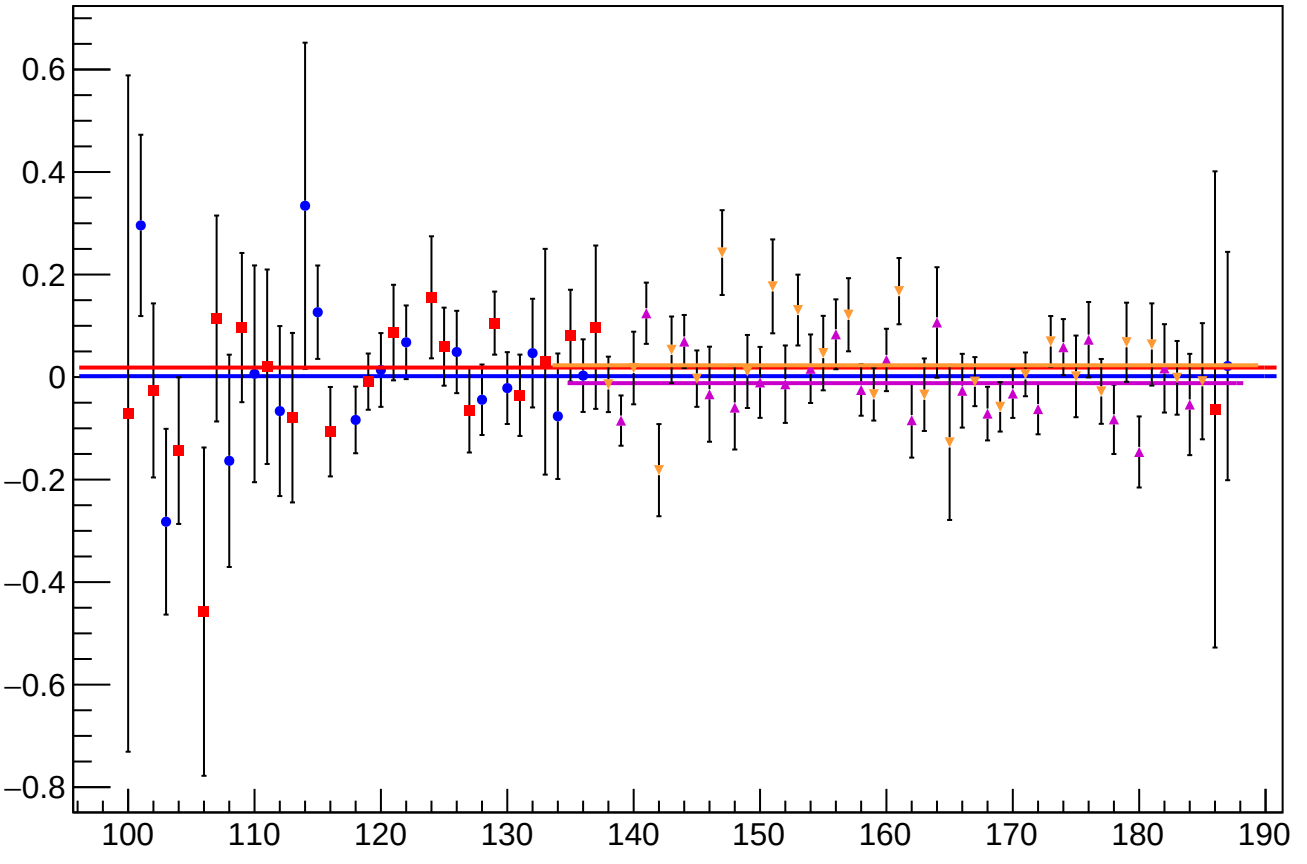
Right Out: 0.003+/-0.000 χ^2/NDF: 5241122.3/19

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8225681.1/41

All: 0.003+/-0.000 χ^2/NDF: 17119428.1/84

- sign 0.003+/-0.000 χ^2/NDF: 8893050.5/42



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

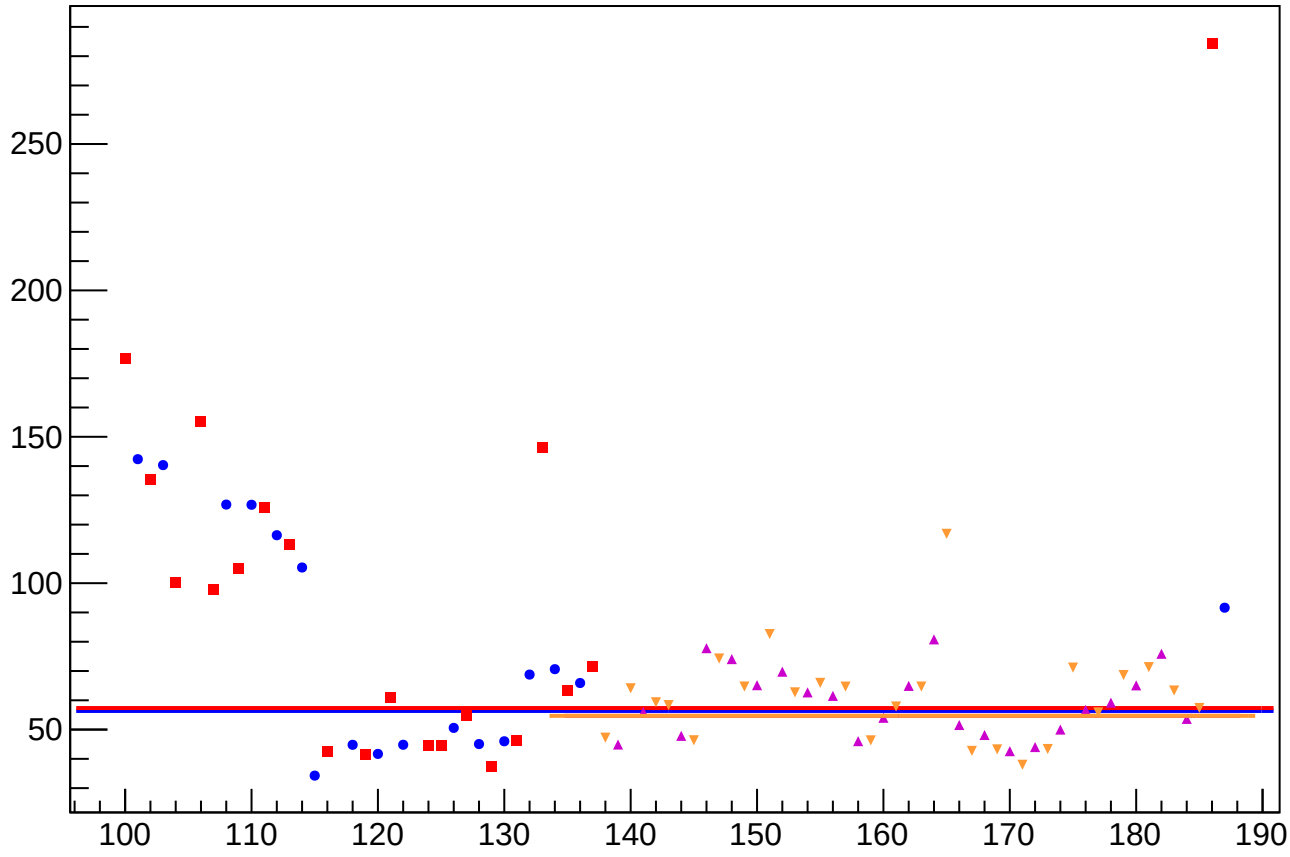
Right Out: 0.019+/-0.023 χ^2/NDF: 13.1/19

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.011 χ^2/NDF: 47.9/41

All: 0.007+/-0.008 χ^2/NDF: 90.1/84

- sign -0.005+/-0.012 χ^2/NDF: 40.3/42



Right In: 56.358+/-0.016 χ^2/NDF: 2230455.6/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

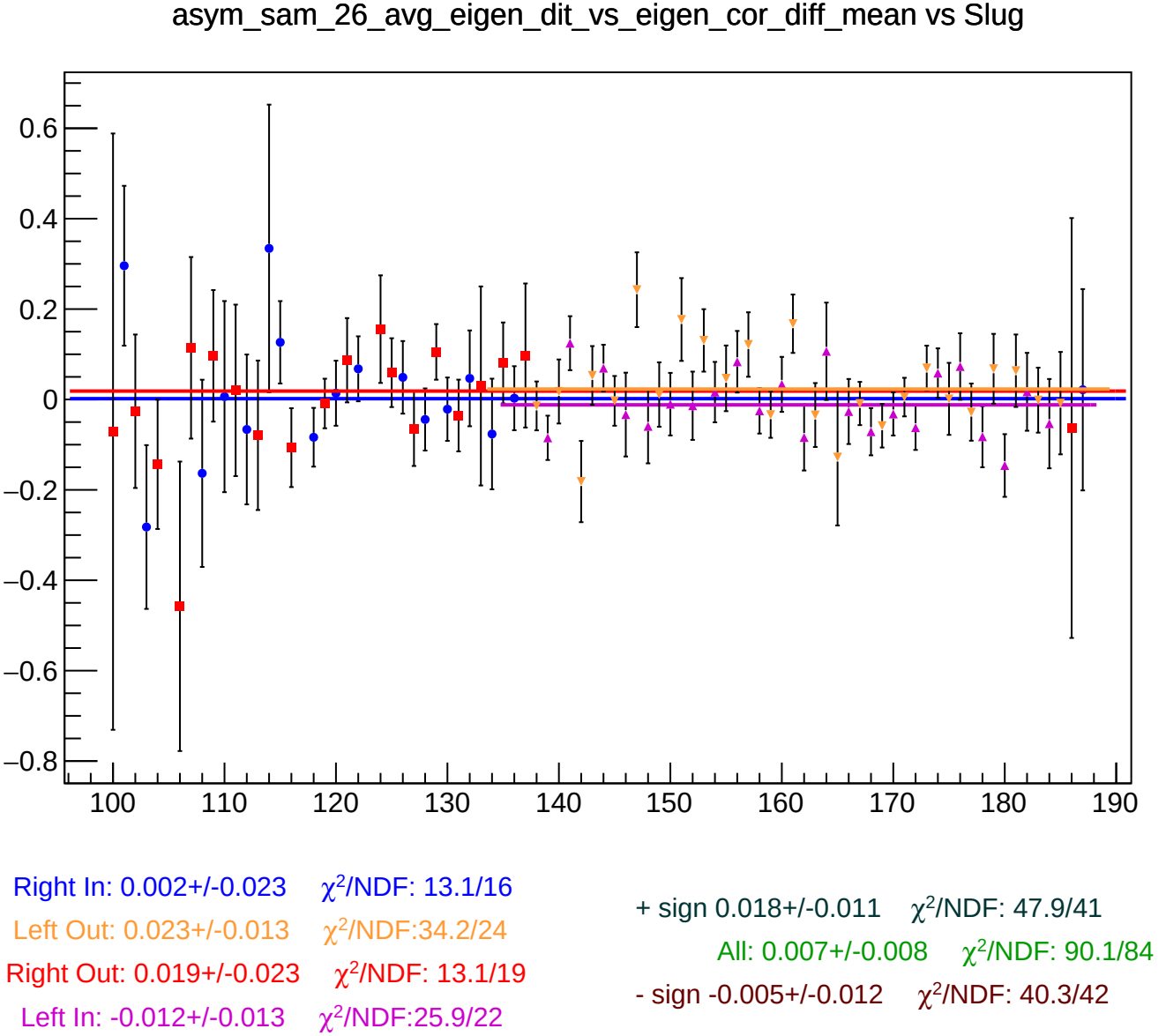
Right Out: 57.351+/-0.017 χ^2/NDF: 3031776.1/19

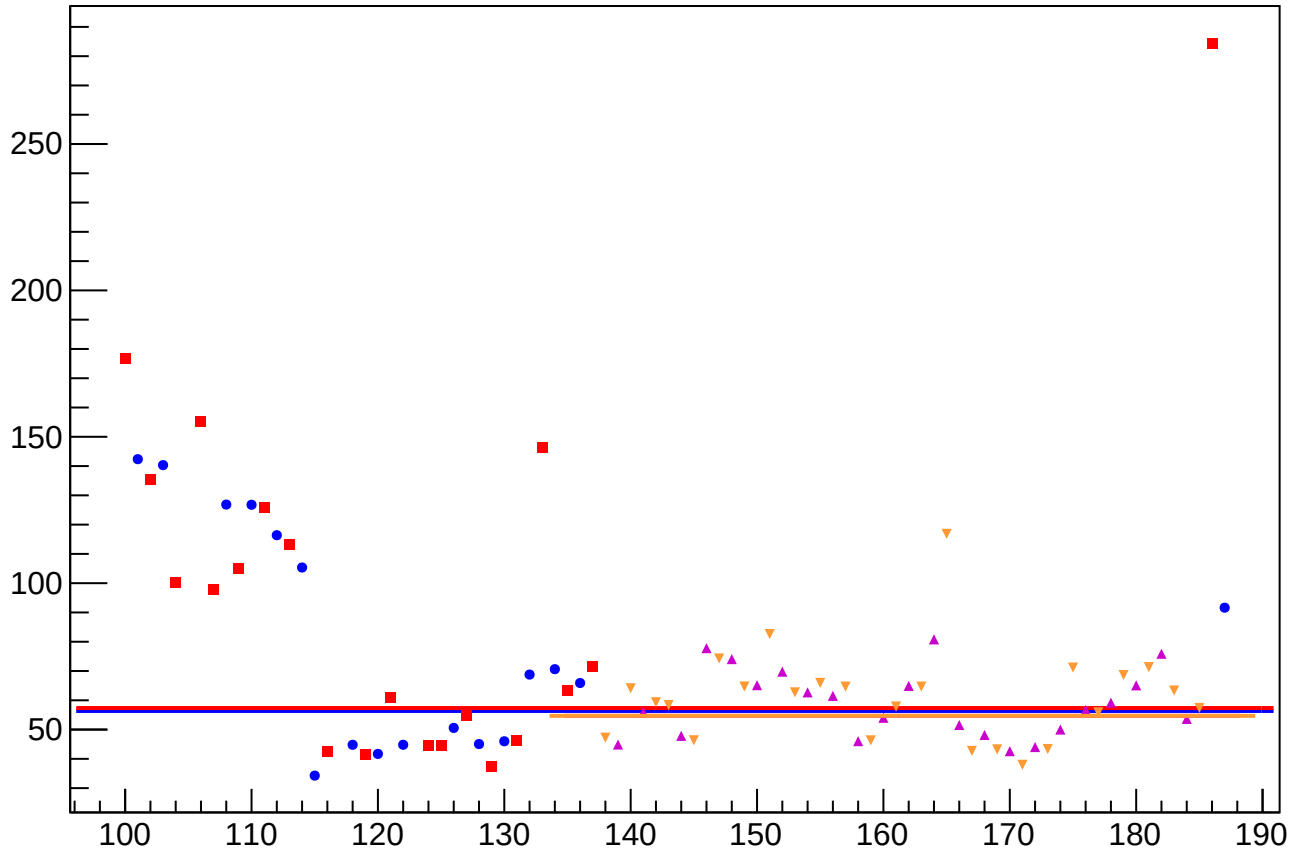
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.080+/-0.008 χ^2/NDF: 4174885.6/41

All: 55.204+/-0.006 χ^2/NDF: 8417398.4/84

- sign 55.332+/-0.008 χ^2/NDF: 4242026.1/42


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.023 χ²/NDF: 13.1/16
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.019+/-0.023 χ²/NDF: 13.1/19
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.018+/-0.011 χ²/NDF: 47.9/41
All: 0.007+/-0.008 χ²/NDF: 90.1/84
- sign -0.005+/-0.012 χ²/NDF: 40.3/42



Right In: 56.358+/-0.016 χ^2/NDF: 2230455.6/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

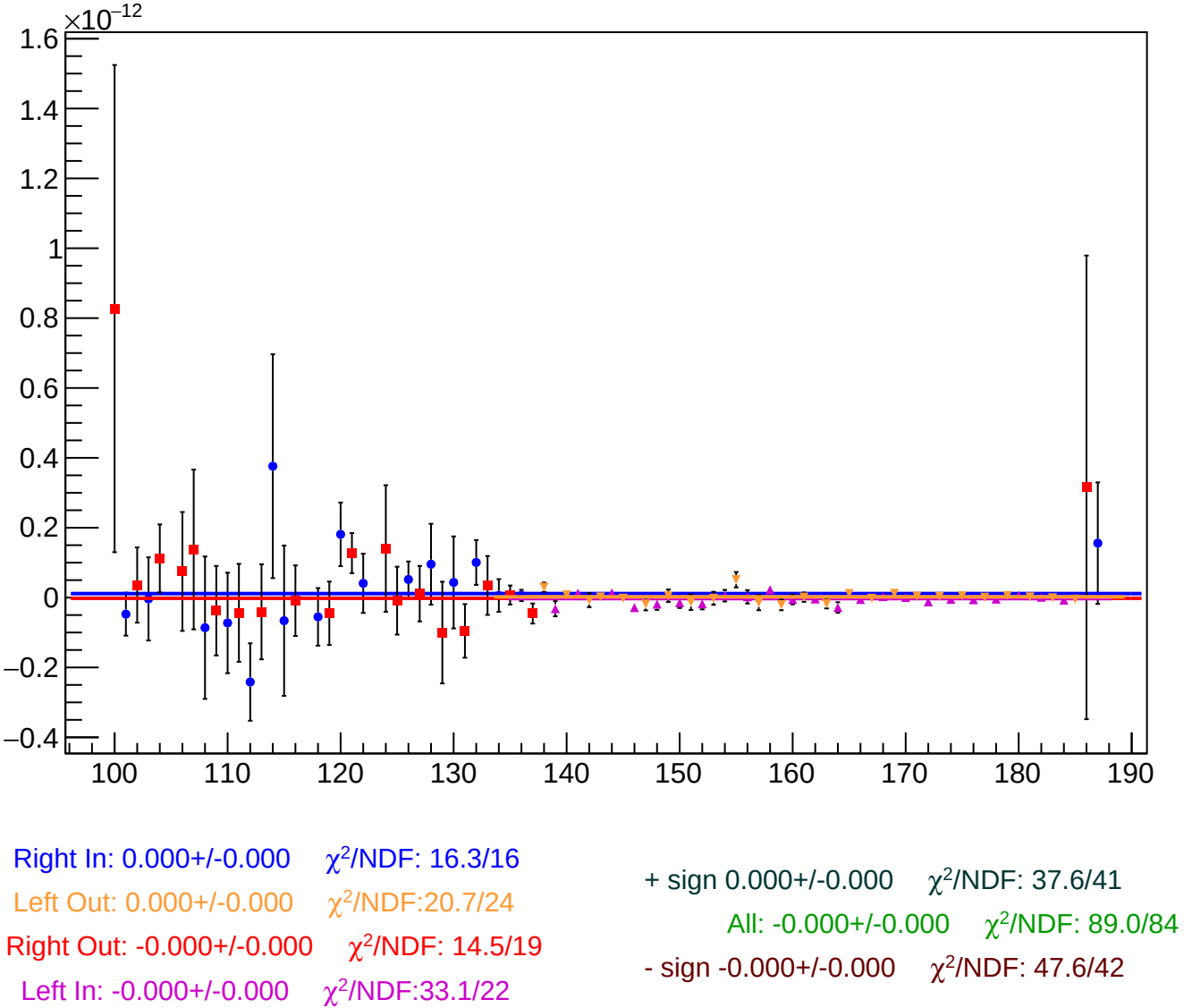
Right Out: 57.351+/-0.017 χ^2/NDF: 3031776.1/19

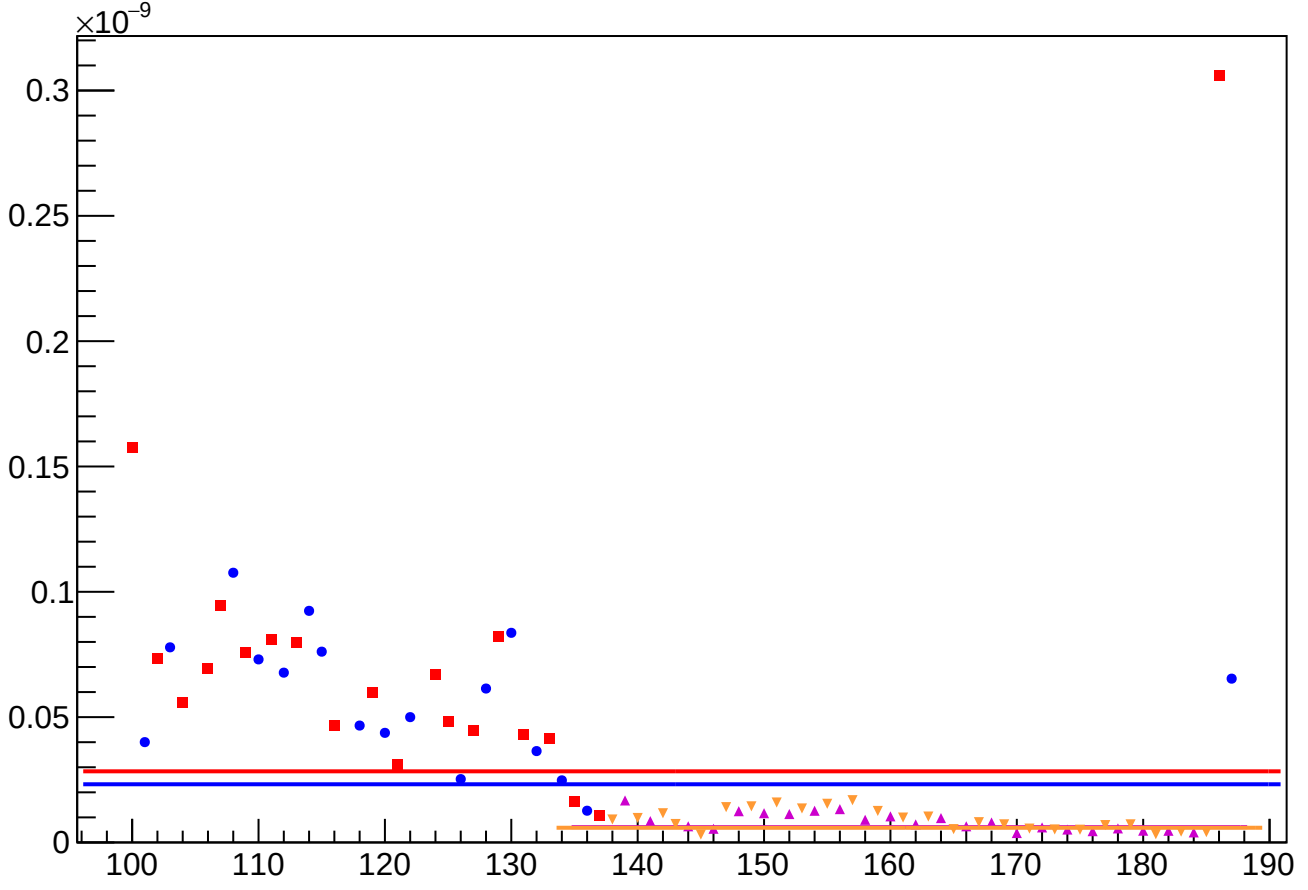
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.080+/-0.008 χ^2/NDF: 4174885.6/41

All: 55.204+/-0.006 χ^2/NDF: 8417398.4/84

- sign 55.332+/-0.008 χ^2/NDF: 4242026.1/42


asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.3/16
Left Out: 0.000+/-0.000 χ²/NDF:20.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.5/19
Left In: -0.000+/-0.000 χ²/NDF:33.1/22
+ sign 0.000+/-0.000 χ²/NDF: 37.6/41
All: -0.000+/-0.000 χ²/NDF: 89.0/84
- sign -0.000+/-0.000 χ²/NDF: 47.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 3850024.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4171035.4/19

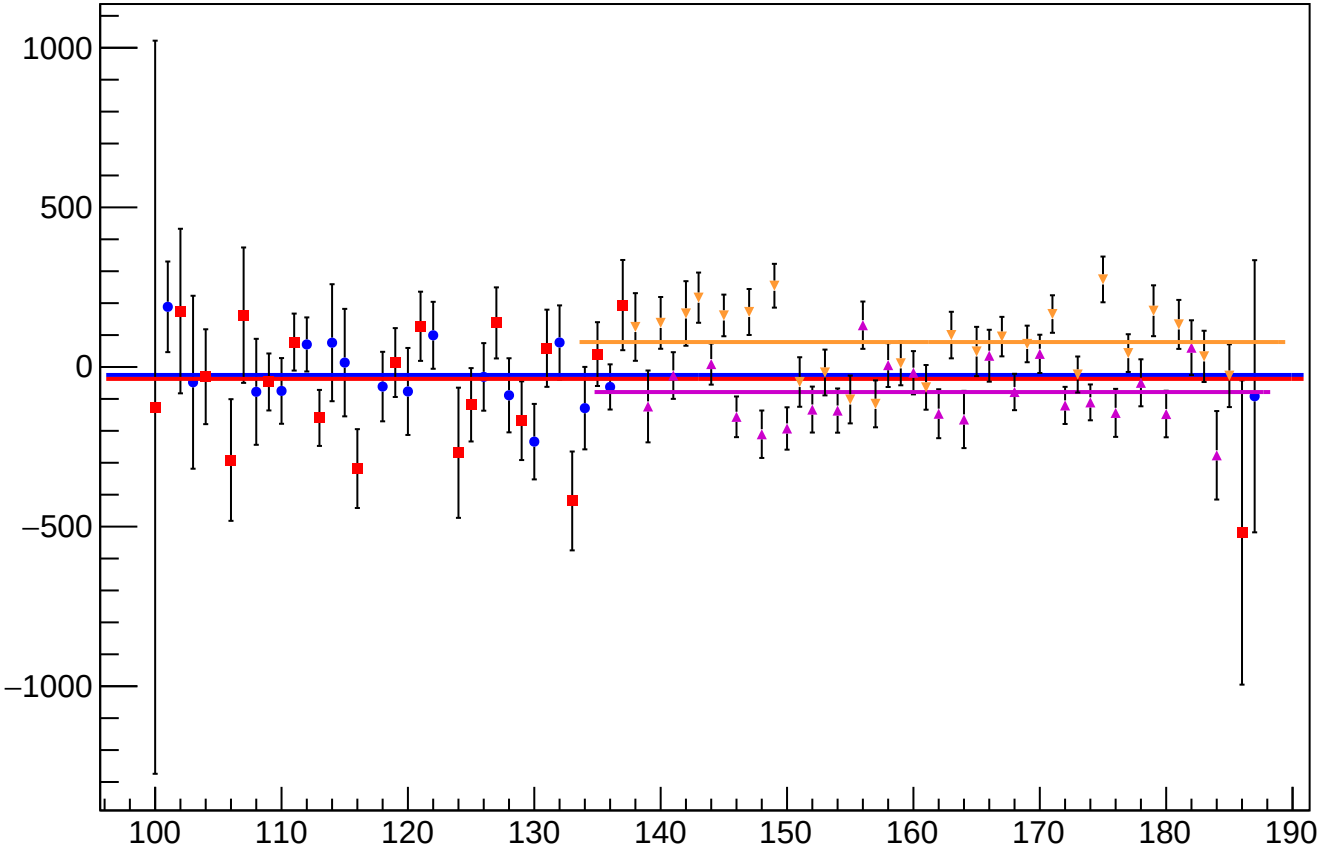
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12921565.9/41

All: 0.000+/-0.000 χ^2/NDF: 24480099.5/84

- sign 0.000+/-0.000 χ^2/NDF: 11540843.7/42

reg_asym_sam_37_avg_mean vs Slug



Right In: -24.939+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -37.297+/-28.404 χ^2/NDF: 31.1/19

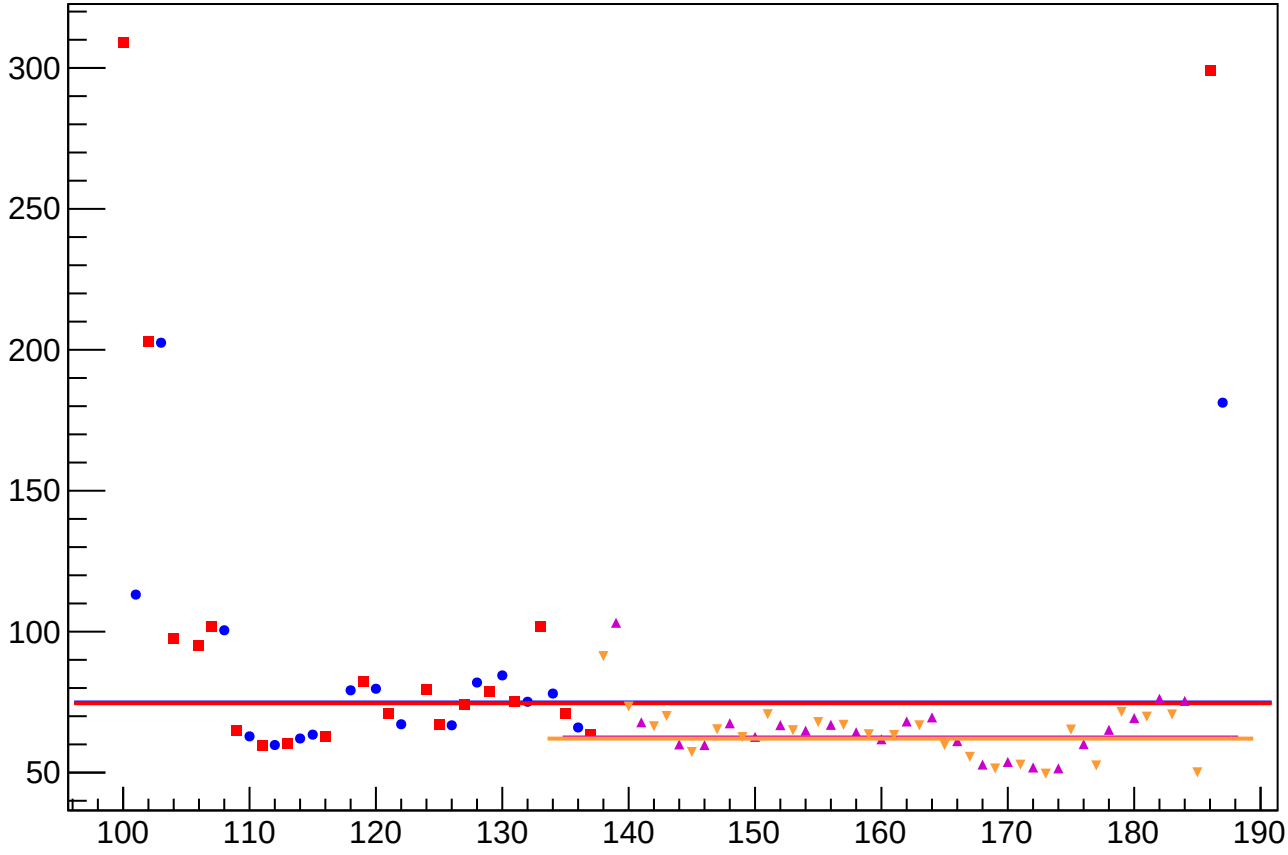
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.762+/-12.830 χ^2/NDF: 75.2/41

All: -4.482+/-9.178 χ^2/NDF: 192.8/84

- sign -69.696+/-13.133 χ^2/NDF: 69.4/42

reg_asym_sam_37_avg_rms vs Slug



Right In: 74.858+/-0.020 χ^2/NDF: 952720.5/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

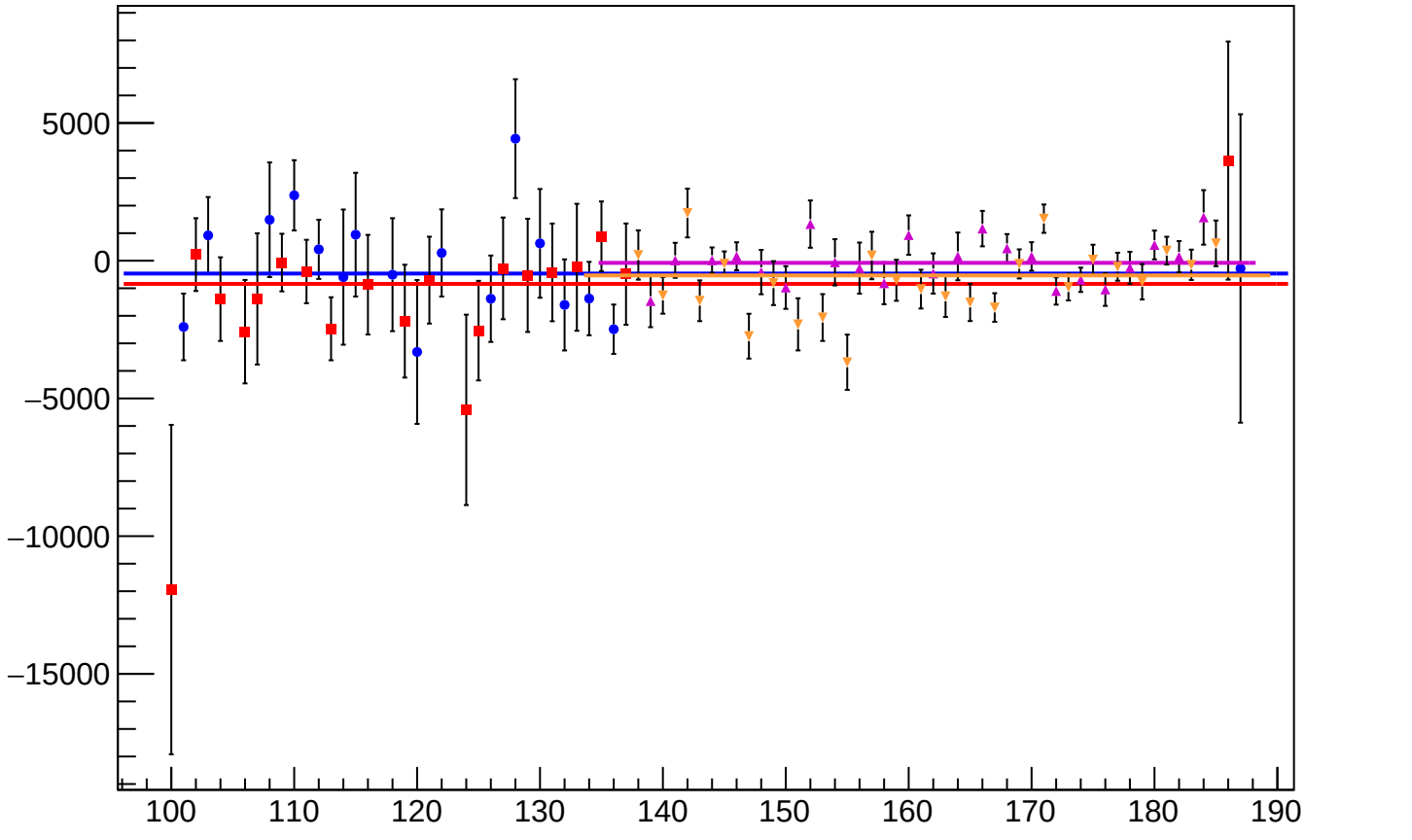
Right Out: 74.616+/-0.020 χ^2/NDF: 1377856.1/19

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.594+/-0.009 χ^2/NDF: 1954928.0/41

All: 64.815+/-0.006 χ^2/NDF: 4287340.7/84

- sign 65.047+/-0.009 χ^2/NDF: 2331195.5/42



Right In: -465.697+/-374.192 χ^2/NDF: 23.7/16

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -842.147+/-370.867 χ^2/NDF: 14.1/19

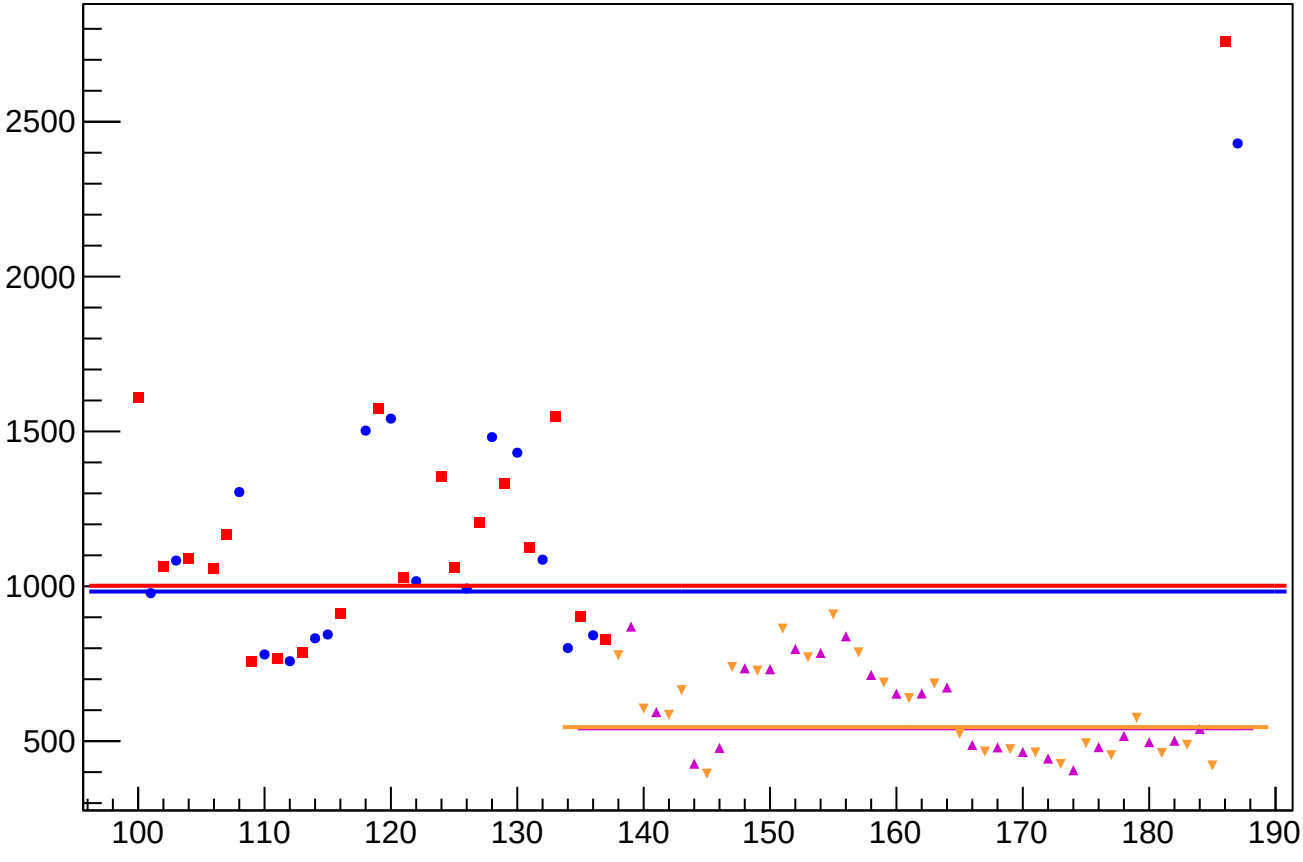
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -525.759+/-121.048 χ^2/NDF: 92.8/41

All: -346.436+/-86.258 χ^2/NDF: 143.6/84

- sign -161.441+/-122.948 χ^2/NDF: 46.3/42

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 983.076+/-0.265 χ^2/NDF: 870781.2/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1001.789+/-0.262 χ^2/NDF: 1048468.7/19

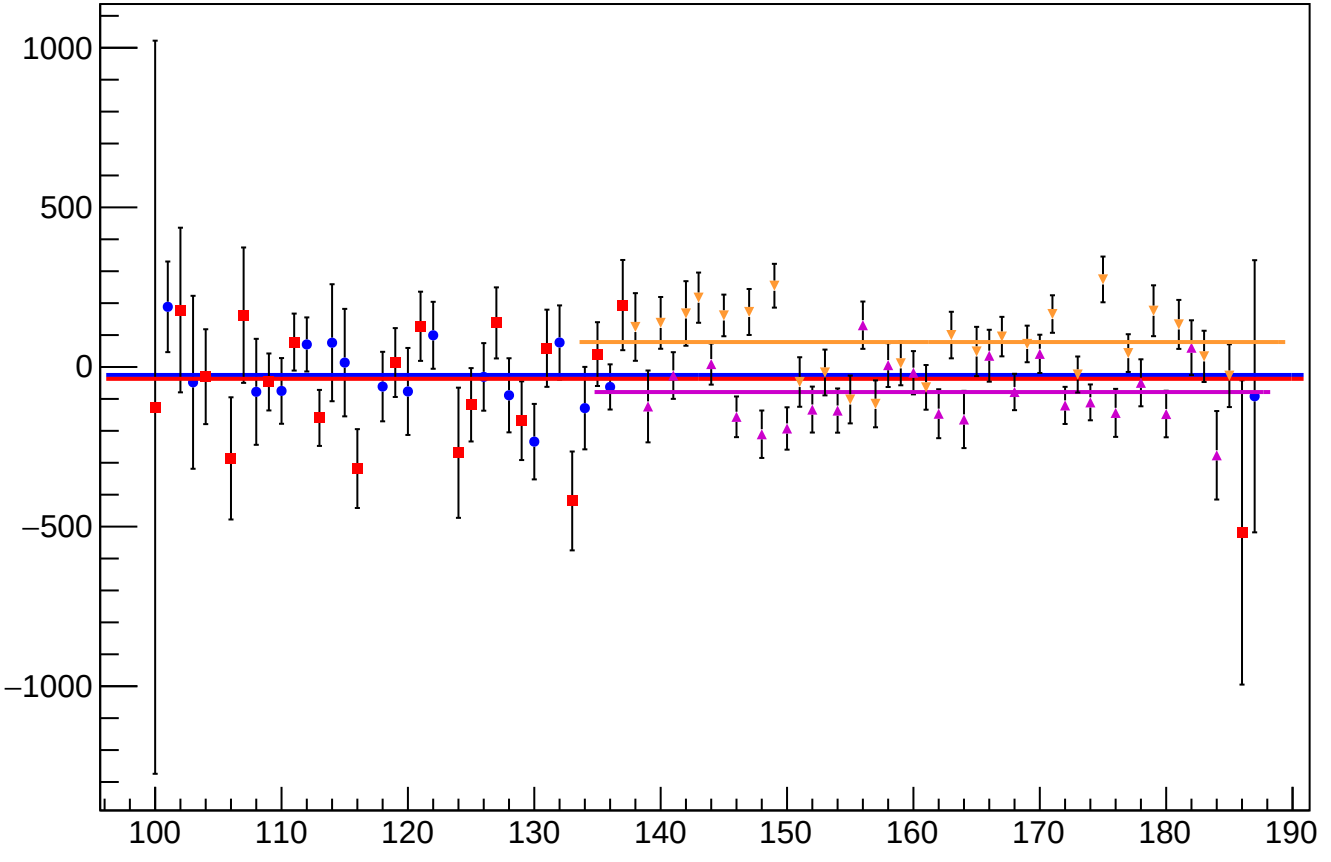
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 591.116+/-0.086 χ^2/NDF: 5405400.2/41

All: 591.575+/-0.061 χ^2/NDF: 11036935.7/84

- sign 592.049+/-0.087 χ^2/NDF: 5631477.0/42

cor_asym_sam_37_avg_mean vs Slug



Right In: -24.947+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -37.099+/-28.407 χ^2/NDF: 31.0/19

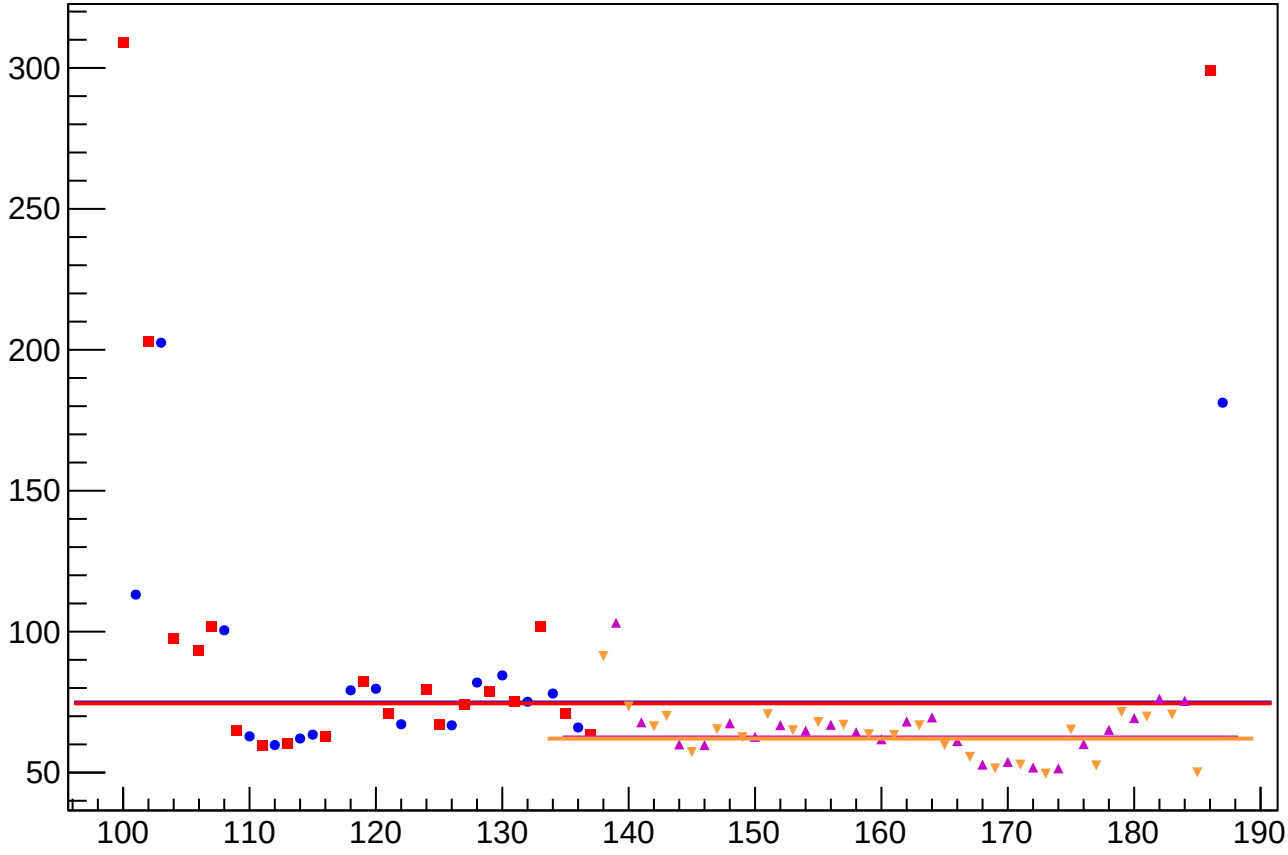
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.764+/-12.830 χ^2/NDF: 75.2/41

All: -4.460+/-9.178 χ^2/NDF: 192.7/84

- sign -69.655+/-13.133 χ^2/NDF: 69.4/42

cor_asym_sam_37_avg_rms vs Slug



Right In: 74.858+/-0.020 χ^2/NDF: 952722.6/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 74.574+/-0.020 χ^2/NDF: 1374236.2/19

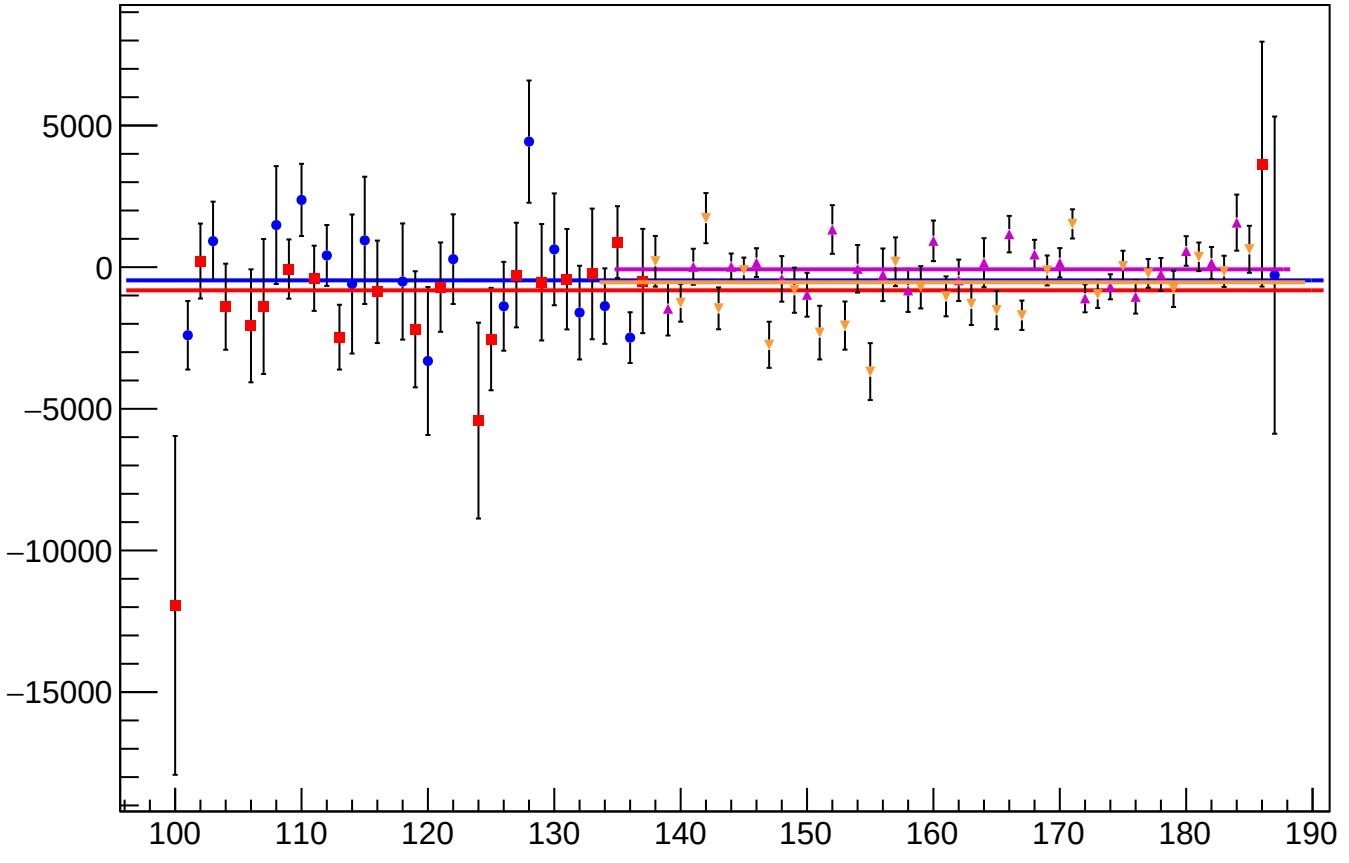
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.594+/-0.009 χ^2/NDF: 1954929.8/41

All: 64.811+/-0.006 χ^2/NDF: 4281659.9/84

- sign 65.038+/-0.009 χ^2/NDF: 2325562.4/42

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -465.683+/-374.194 χ^2/NDF: 23.7/16

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -817.584+/-371.711 χ^2/NDF: 13.7/19

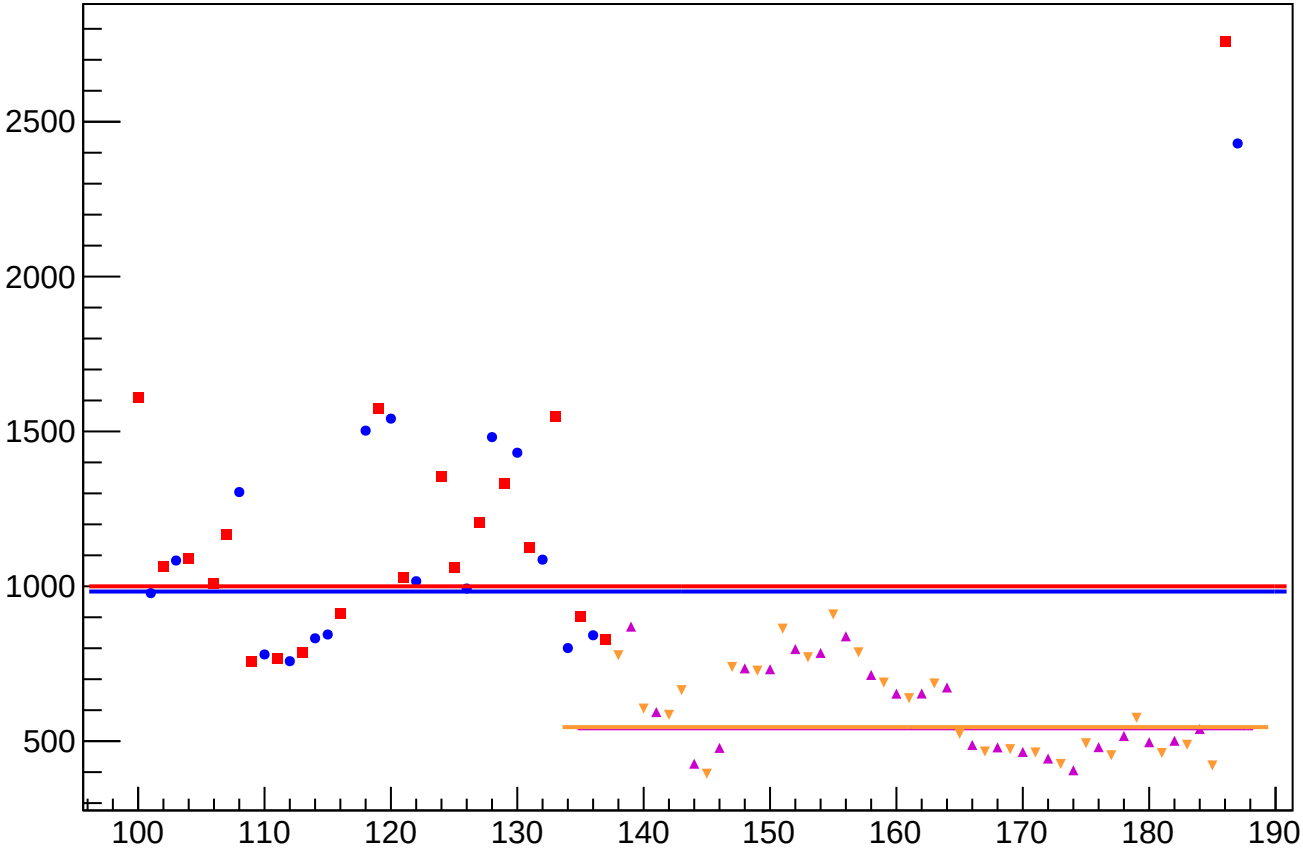
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.755+/-121.048 χ^2/NDF: 92.8/41

All: -344.989+/-86.268 χ^2/NDF: 142.9/84

- sign -158.412+/-122.979 χ^2/NDF: 45.5/42

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 983.082+/-0.265 χ^2/NDF: 870803.4/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 999.923+/-0.263 χ^2/NDF: 1046800.0/19

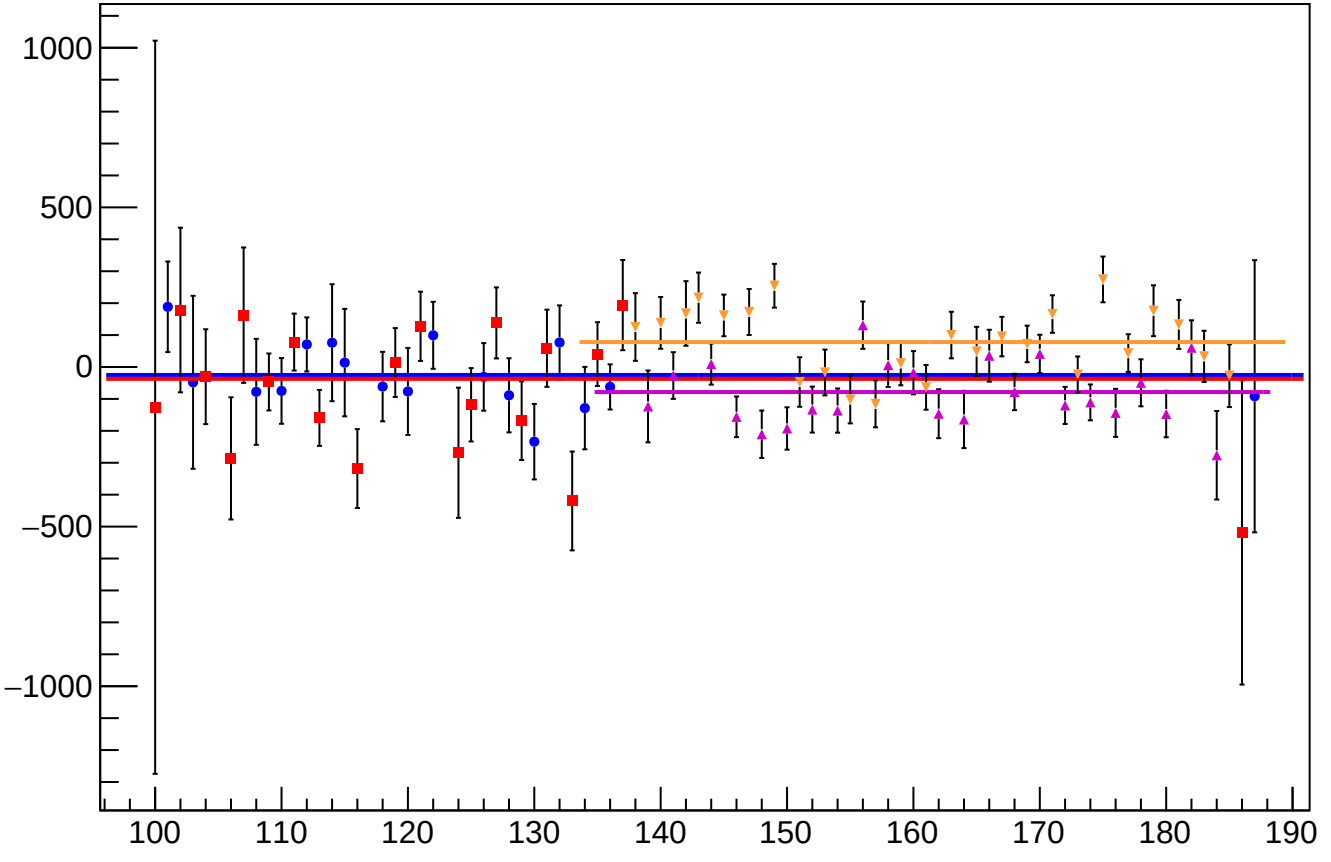
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 591.116+/-0.086 χ^2/NDF: 5405455.0/41

All: 591.374+/-0.061 χ^2/NDF: 11002100.4/84

- sign 591.641+/-0.087 χ^2/NDF: 5596626.8/42

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -24.947+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -37.099+/-28.407 χ^2/NDF: 31.0/19

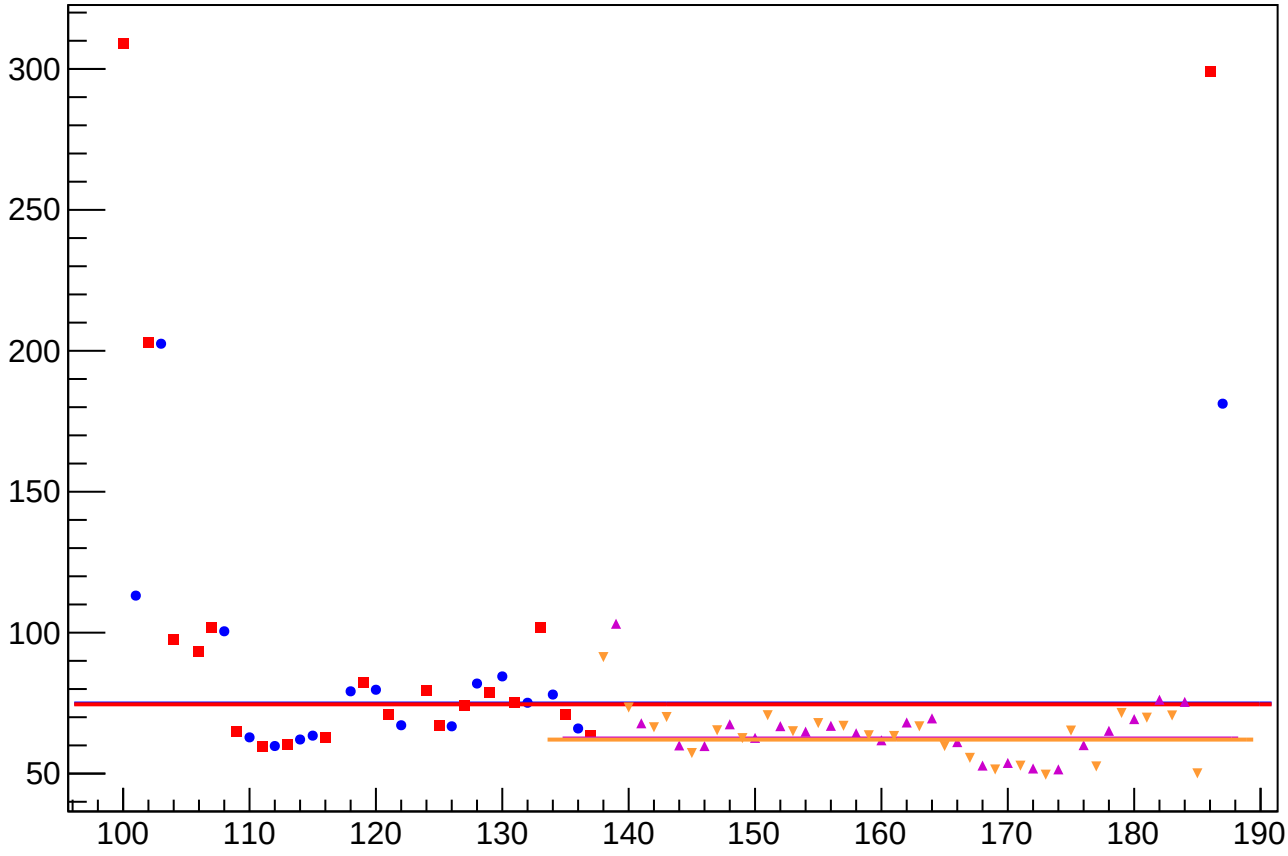
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 57.764+/-12.830 χ^2/NDF: 75.2/41

All: -4.460+/-9.178 χ^2/NDF: 192.7/84

- sign -69.655+/-13.133 χ^2/NDF: 69.4/42

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 74.858+/-0.020 χ^2/NDF: 952722.6/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

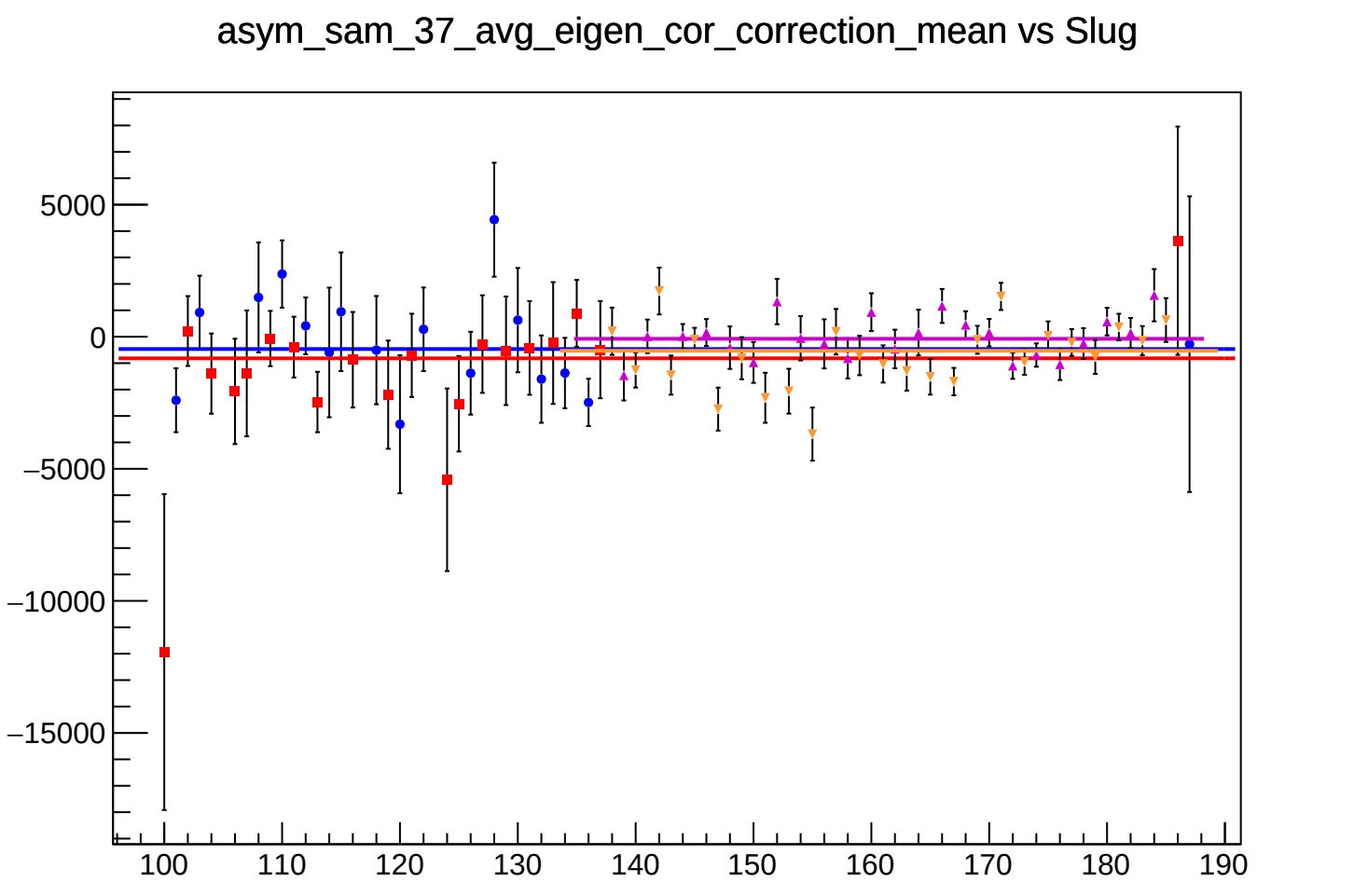
Right Out: 74.574+/-0.020 χ^2/NDF: 1374236.2/19

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 64.594+/-0.009 χ^2/NDF: 1954929.8/41

All: 64.811+/-0.006 χ^2/NDF: 4281659.9/84

- sign 65.038+/-0.009 χ^2/NDF: 2325562.4/42



Right In: -465.683+/-374.194 χ^2/NDF: 23.7/16

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

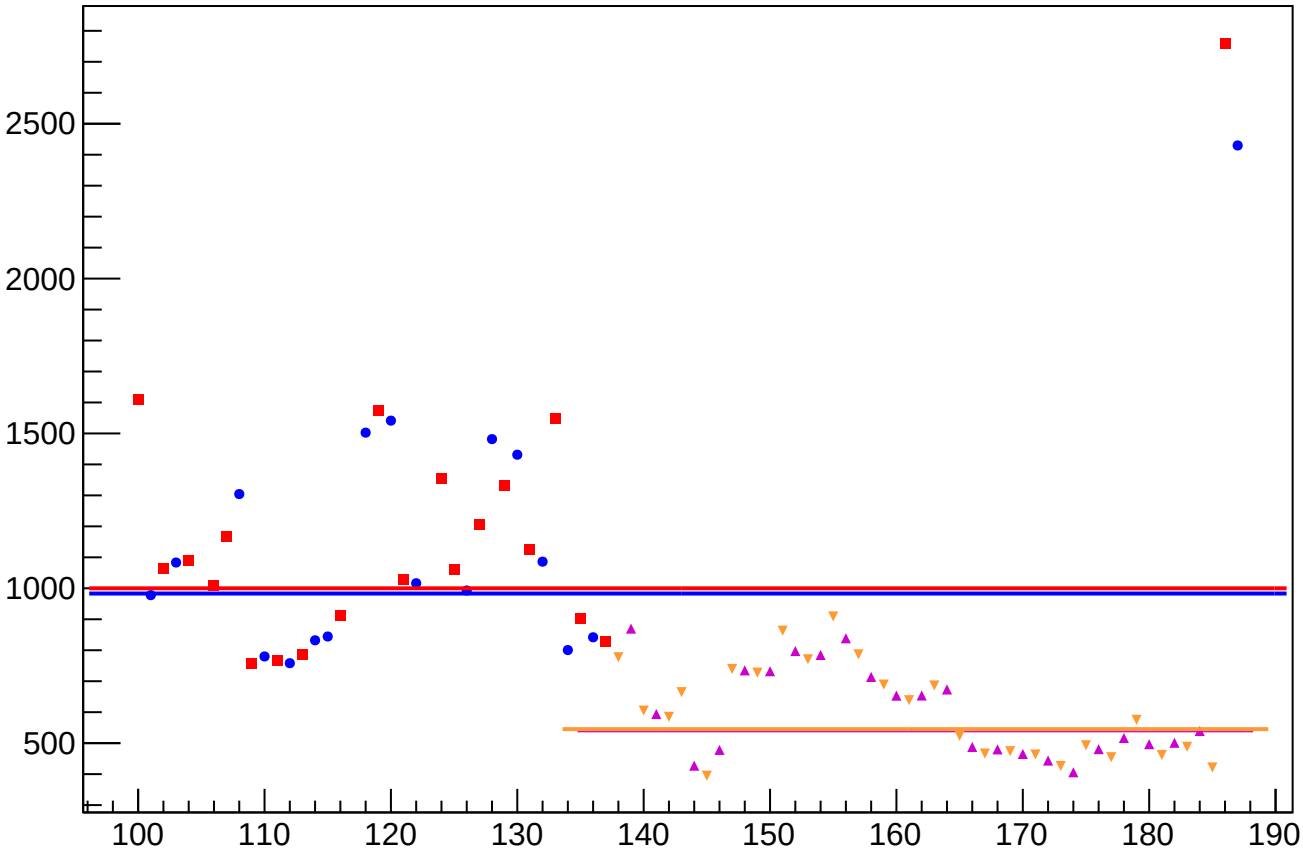
Right Out: -817.584+/-371.711 χ^2/NDF: 13.7/19

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -525.755+/-121.048 χ^2/NDF: 92.8/41

All: -344.989+/-86.268 χ^2/NDF: 142.9/84

- sign -158.412+/-122.979 χ^2/NDF: 45.5/42



Right In: 983.082+/-0.265 χ^2/NDF: 870803.4/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 999.923+/-0.263 χ^2/NDF: 1046800.0/19

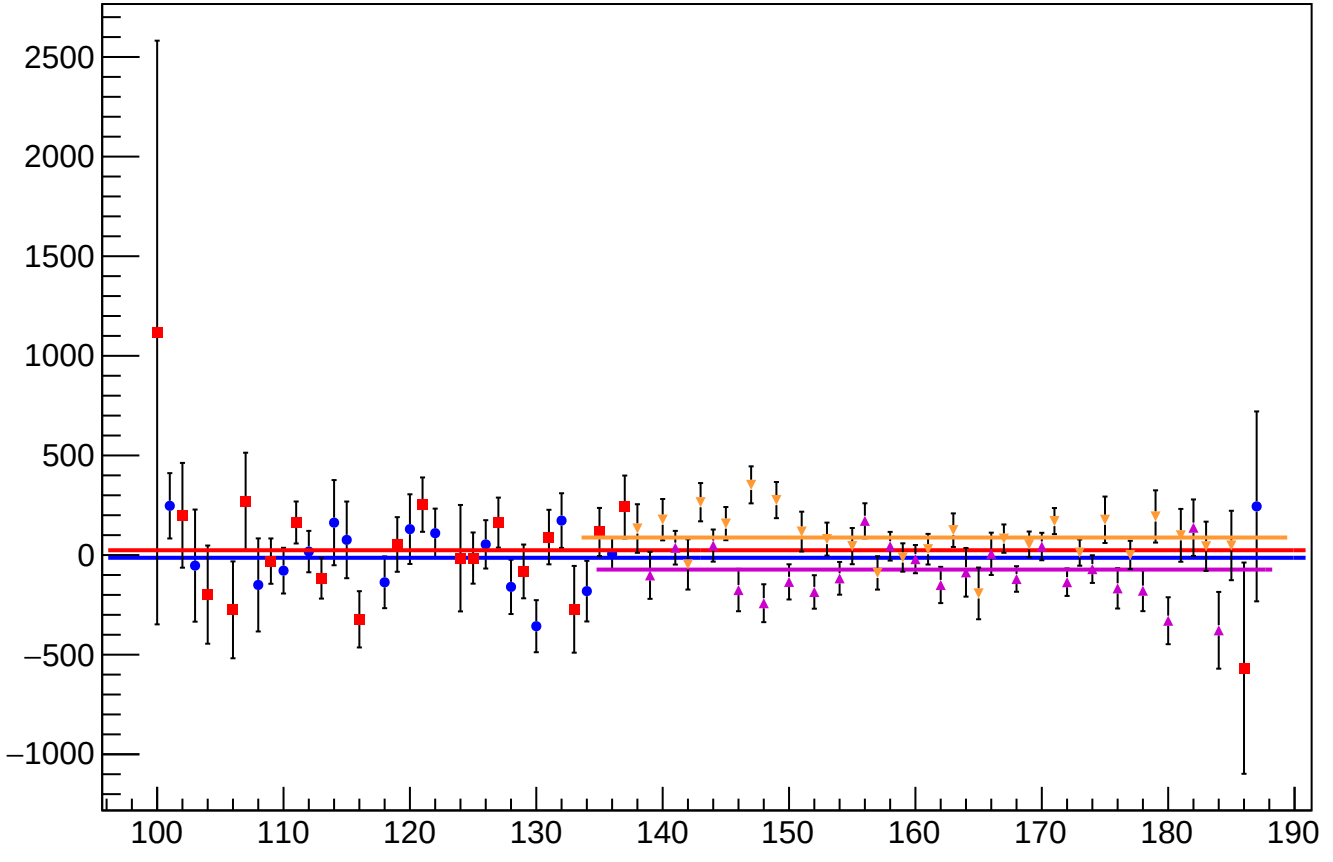
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 591.116+/-0.086 χ^2/NDF: 5405455.0/41

All: 591.374+/-0.061 χ^2/NDF: 11002100.4/84

- sign 591.641+/-0.087 χ^2/NDF: 5596626.8/42

dit_asym_sam_37_avg_mean vs Slug



Right In: -13.659+/-33.676 χ^2/NDF: 18.5/16

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 24.209+/-34.003 χ^2/NDF: 24.9/19

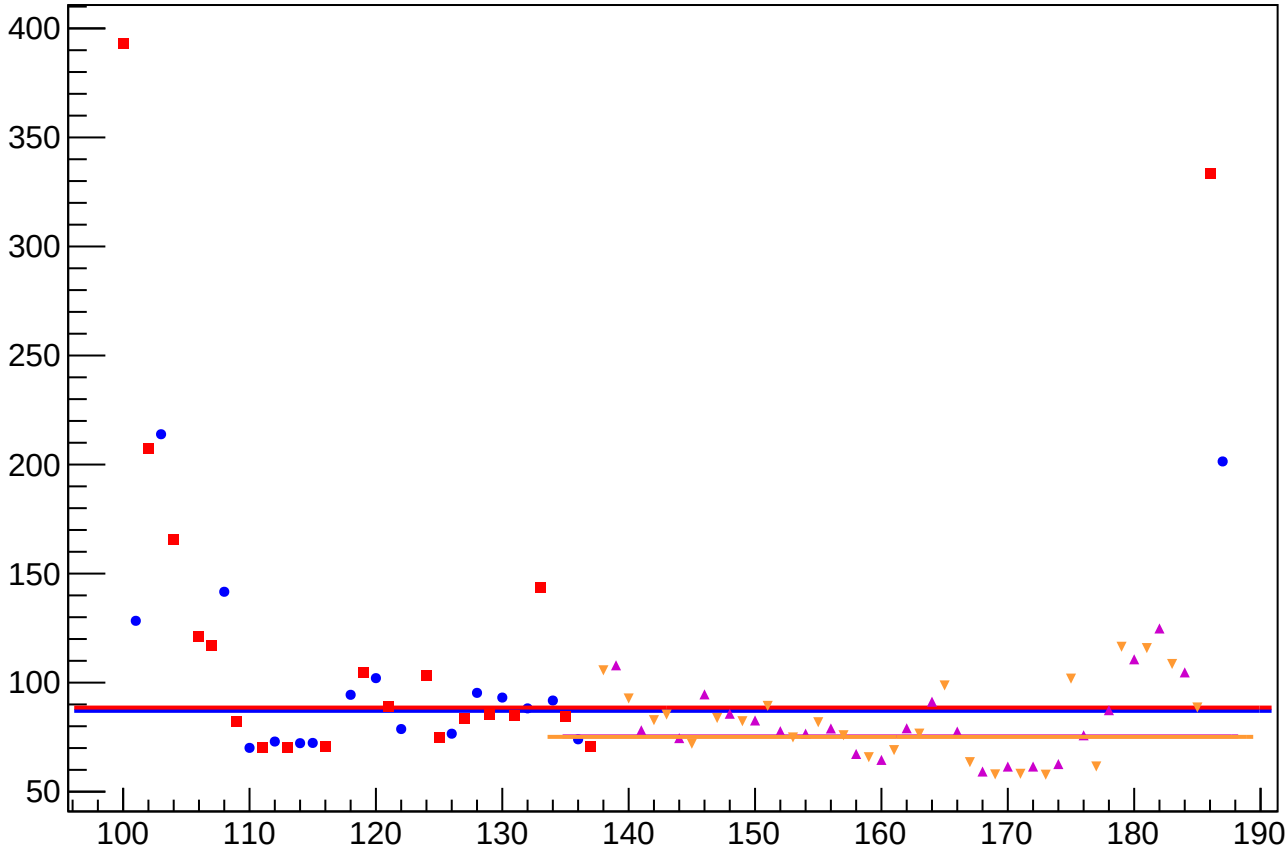
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 65.940+/-15.699 χ^2/NDF: 62.6/41

All: 8.892+/-11.239 χ^2/NDF: 159.3/84

- sign -51.095+/-16.098 χ^2/NDF: 69.6/42

dit_asym_sam_37_avg_rms vs Slug



Right In: 87.063+/-0.024 χ^2/NDF: 971970.3/16

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

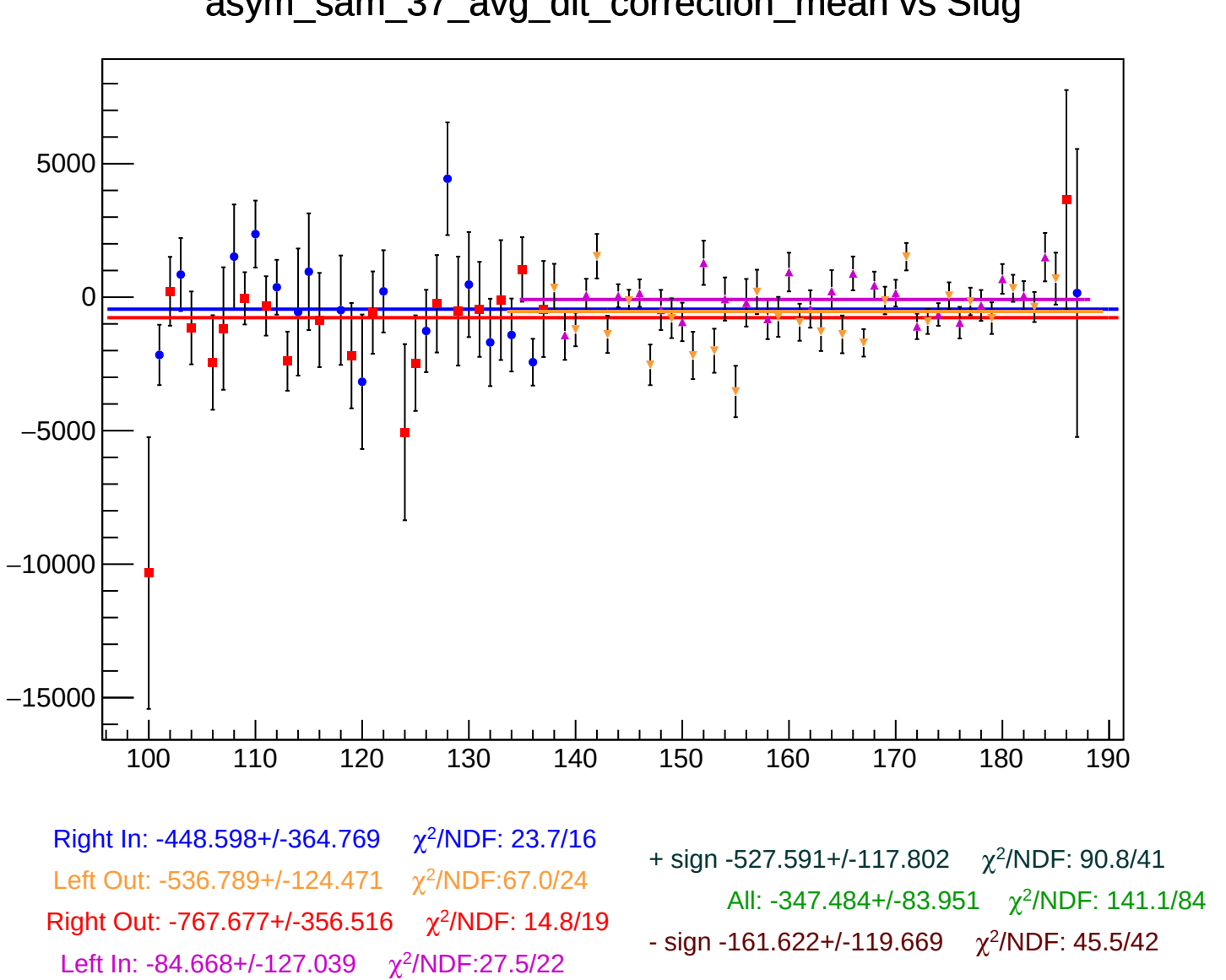
Right Out: 88.566+/-0.024 χ^2/NDF: 1557869.8/19

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 77.721+/-0.011 χ^2/NDF: 2770038.2/41

All: 78.014+/-0.008 χ^2/NDF: 5788595.8/84

- sign 78.322+/-0.011 χ^2/NDF: 3017130.1/42



Right In: -448.598+/-364.769 χ^2/NDF: 23.7/16

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -767.677+/-356.516 χ^2/NDF: 14.8/19

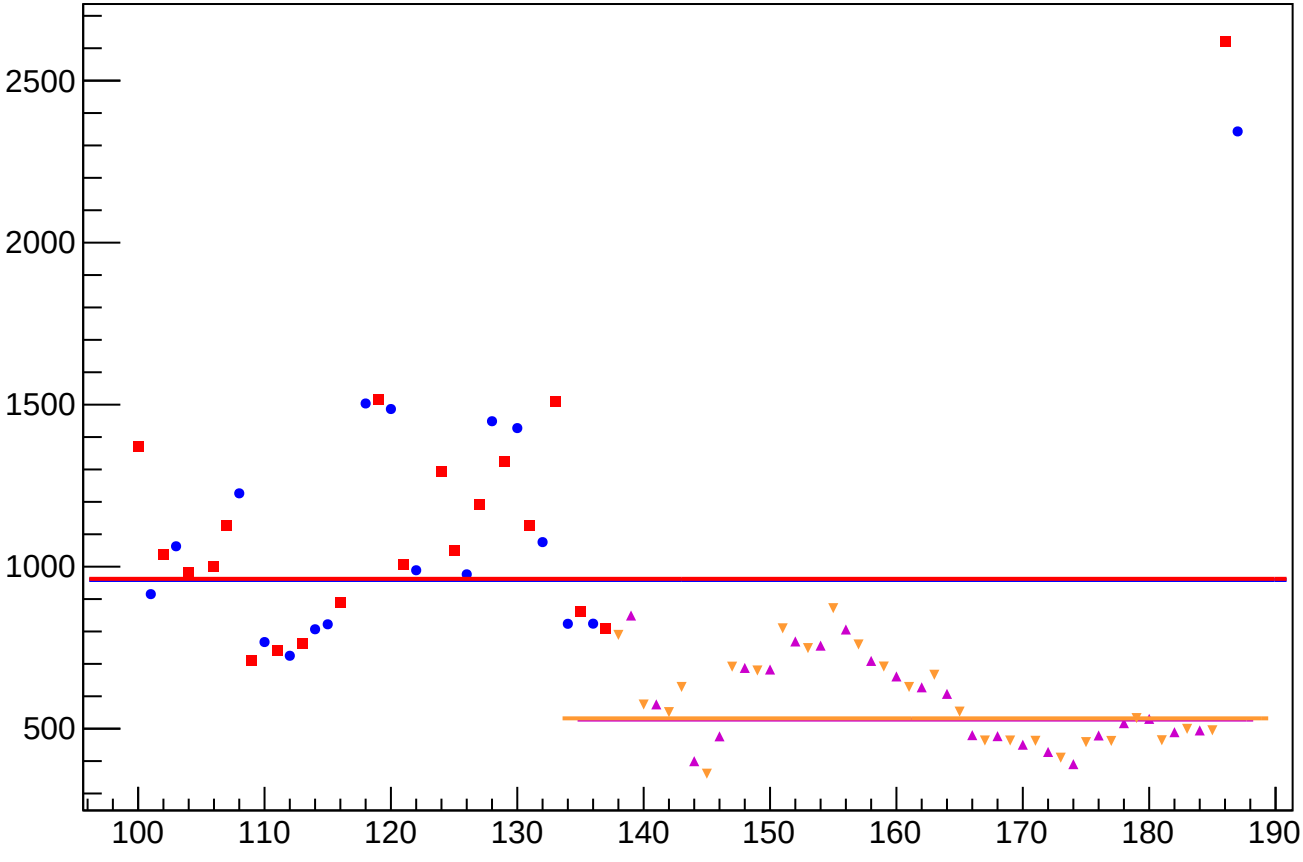
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -527.591+/-117.802 χ^2/NDF: 90.8/41

All: -347.484+/-83.951 χ^2/NDF: 141.1/84

- sign -161.622+/-119.669 χ^2/NDF: 45.5/42

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 958.908+/-0.258 χ^2/NDF: 878630.6/16

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 962.471+/-0.252 χ^2/NDF: 1079865.3/19

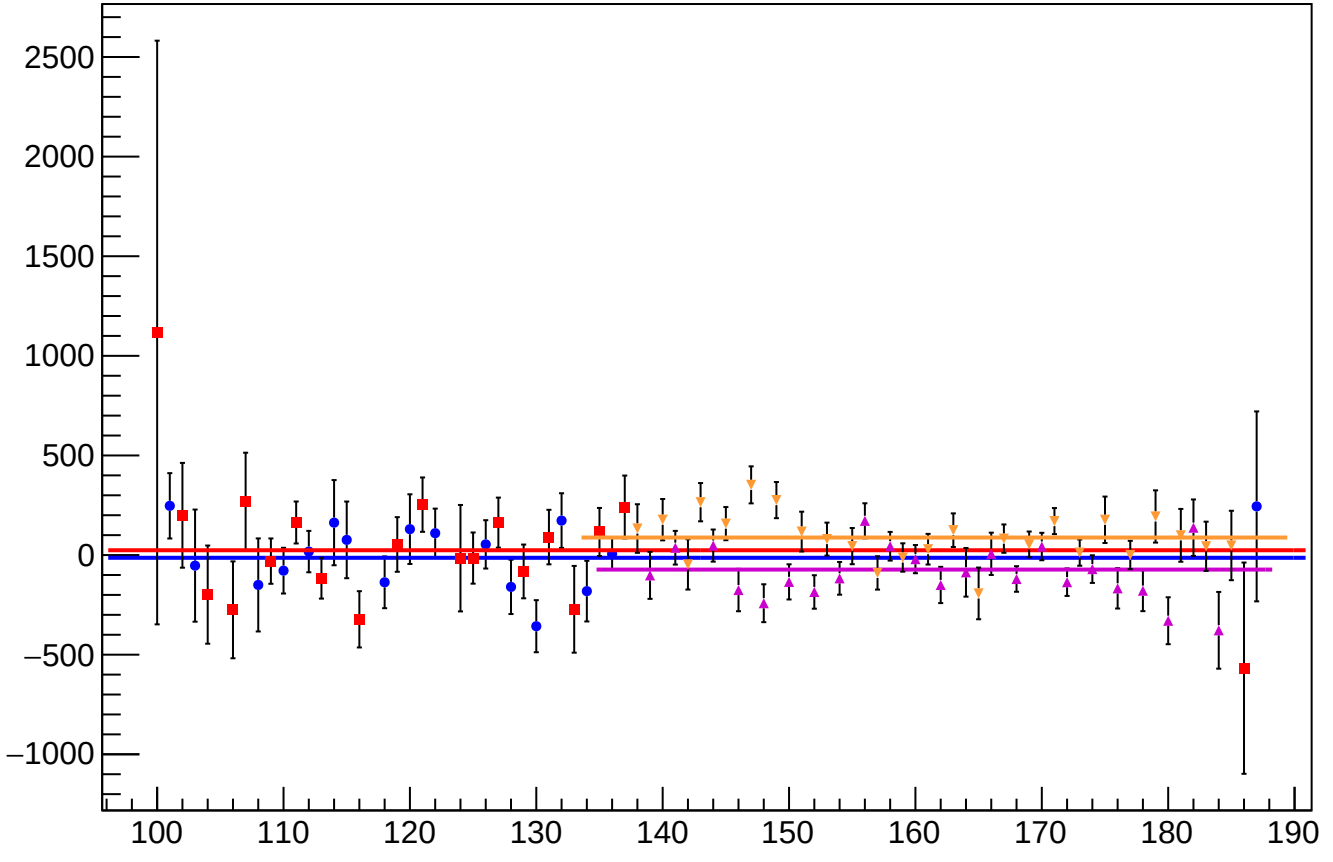
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 576.410+/-0.083 χ^2/NDF: 5371585.6/41

All: 576.670+/-0.059 χ^2/NDF: 10887703.9/84

- sign 576.939+/-0.085 χ^2/NDF: 5516098.5/42

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -13.659+/-33.677 χ^2/NDF: 18.5/16

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 24.213+/-34.003 χ^2/NDF: 24.9/19

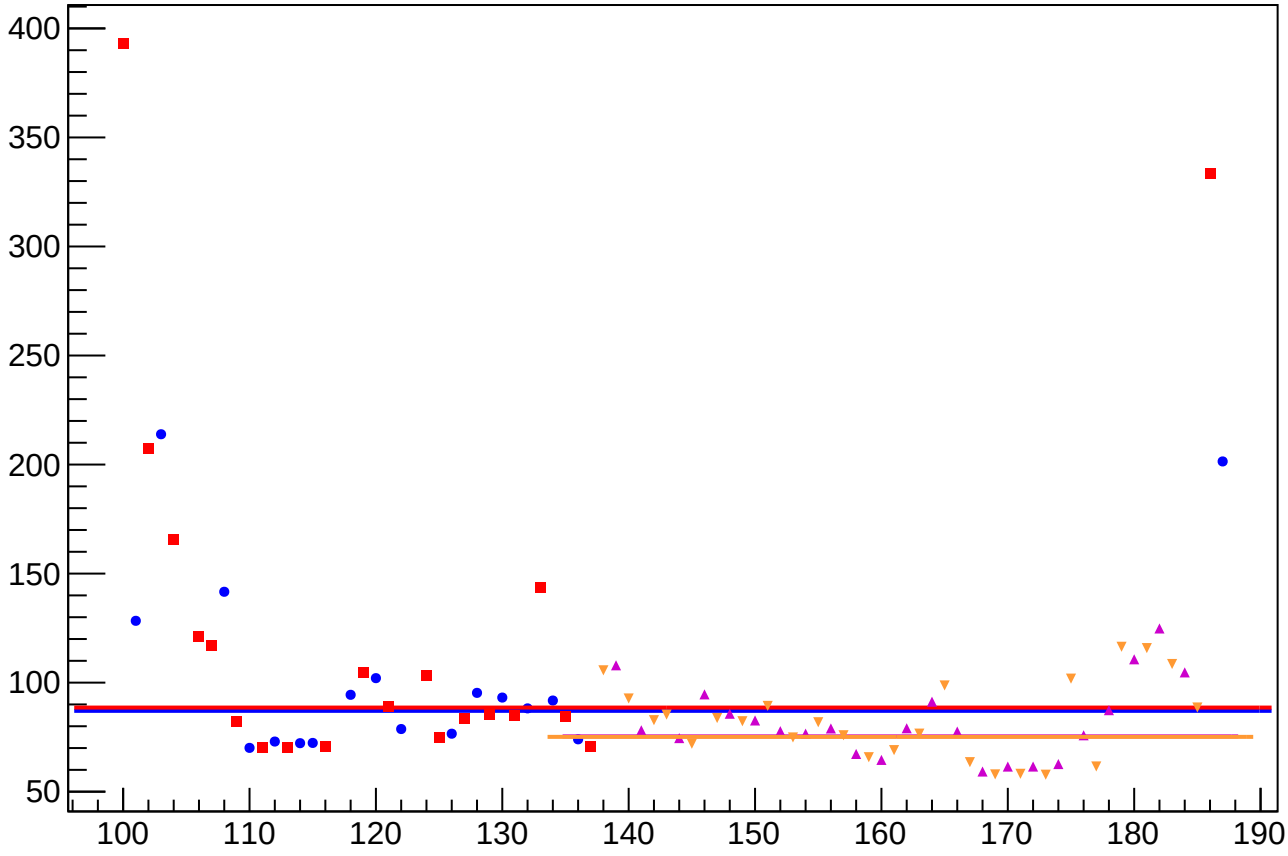
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 65.940+/-15.699 χ^2/NDF: 62.6/41

All: 8.893+/-11.239 χ^2/NDF: 159.3/84

- sign -51.094+/-16.098 χ^2/NDF: 69.6/42

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 87.063+/-0.024 χ^2/NDF: 971963.9/16

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

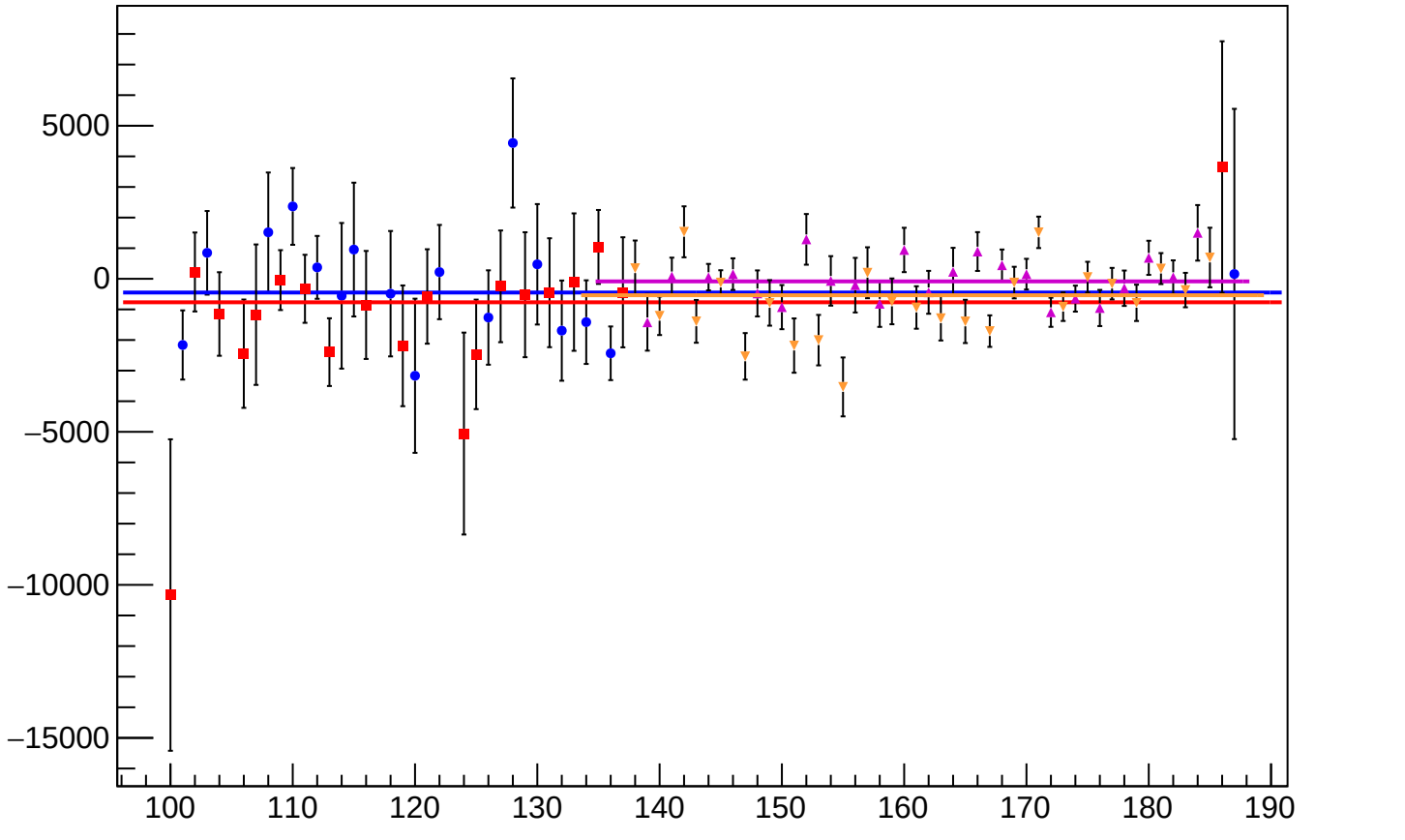
Right Out: 88.566+/-0.024 χ^2/NDF: 1557866.4/19

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 77.722+/-0.011 χ^2/NDF: 2770034.9/41

All: 78.015+/-0.008 χ^2/NDF: 5788596.2/84

- sign 78.322+/-0.011 χ^2/NDF: 3017133.9/42



Right In: -448.596+/-364.768 χ^2/NDF: 23.7/16

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

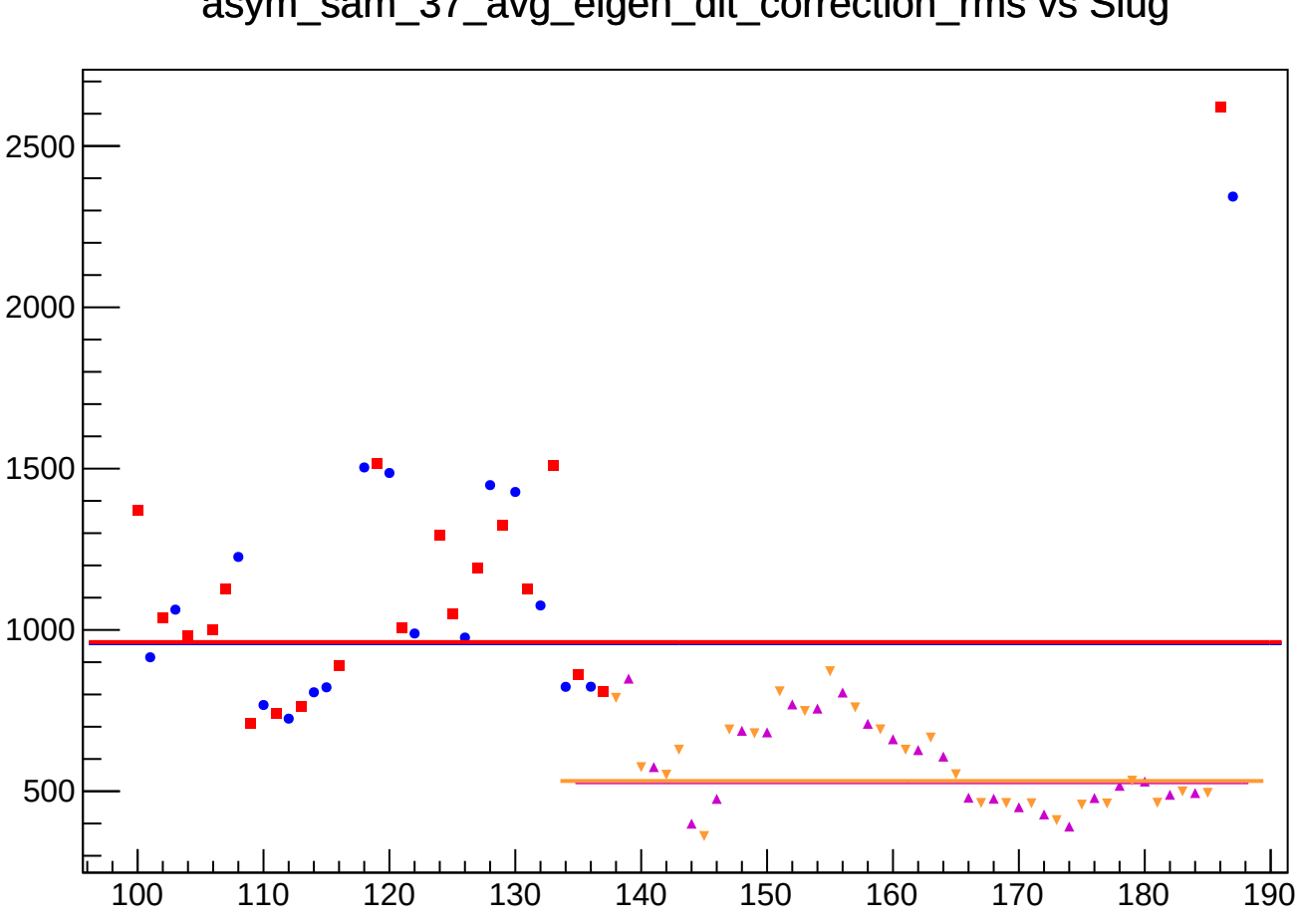
Right Out: -767.677+/-356.515 χ^2/NDF: 14.8/19

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -527.591+/-117.802 χ^2/NDF: 90.8/41

All: -347.484+/-83.951 χ^2/NDF: 141.1/84

- sign -161.622+/-119.669 χ^2/NDF: 45.5/42



Right In: 958.906+/-0.258 χ^2/NDF: 878633.2/16

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 962.469+/-0.252 χ^2/NDF: 1079865.3/19

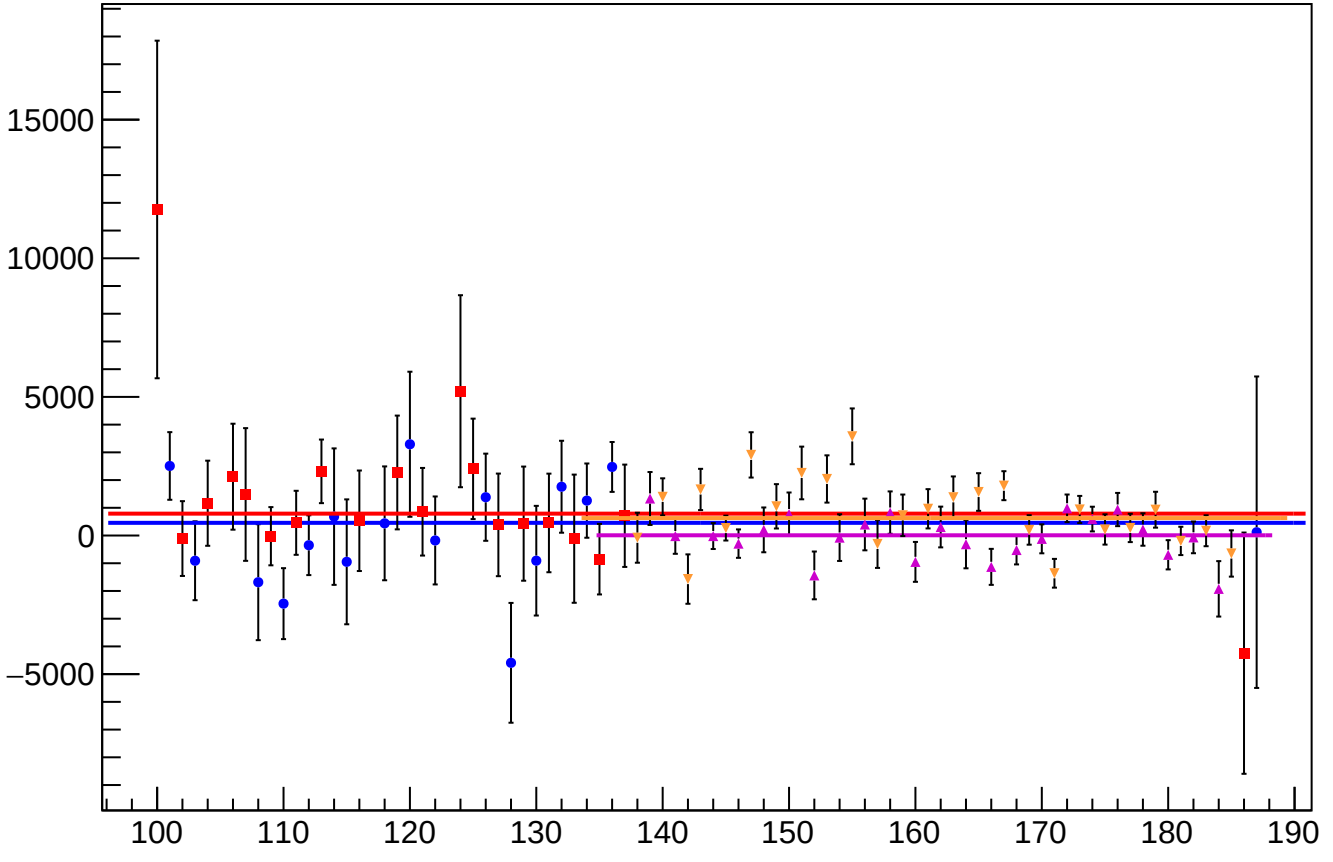
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 576.410+/-0.083 χ^2/NDF: 5371573.6/41

All: 576.670+/-0.059 χ^2/NDF: 10887675.5/84

- sign 576.938+/-0.085 χ^2/NDF: 5516082.1/42

asym_sam_37_avg_mean vs Slug



Right In: 457.615+/-376.028 χ^2/NDF: 24.6/16

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 789.297+/-372.867 χ^2/NDF: 13.0/19

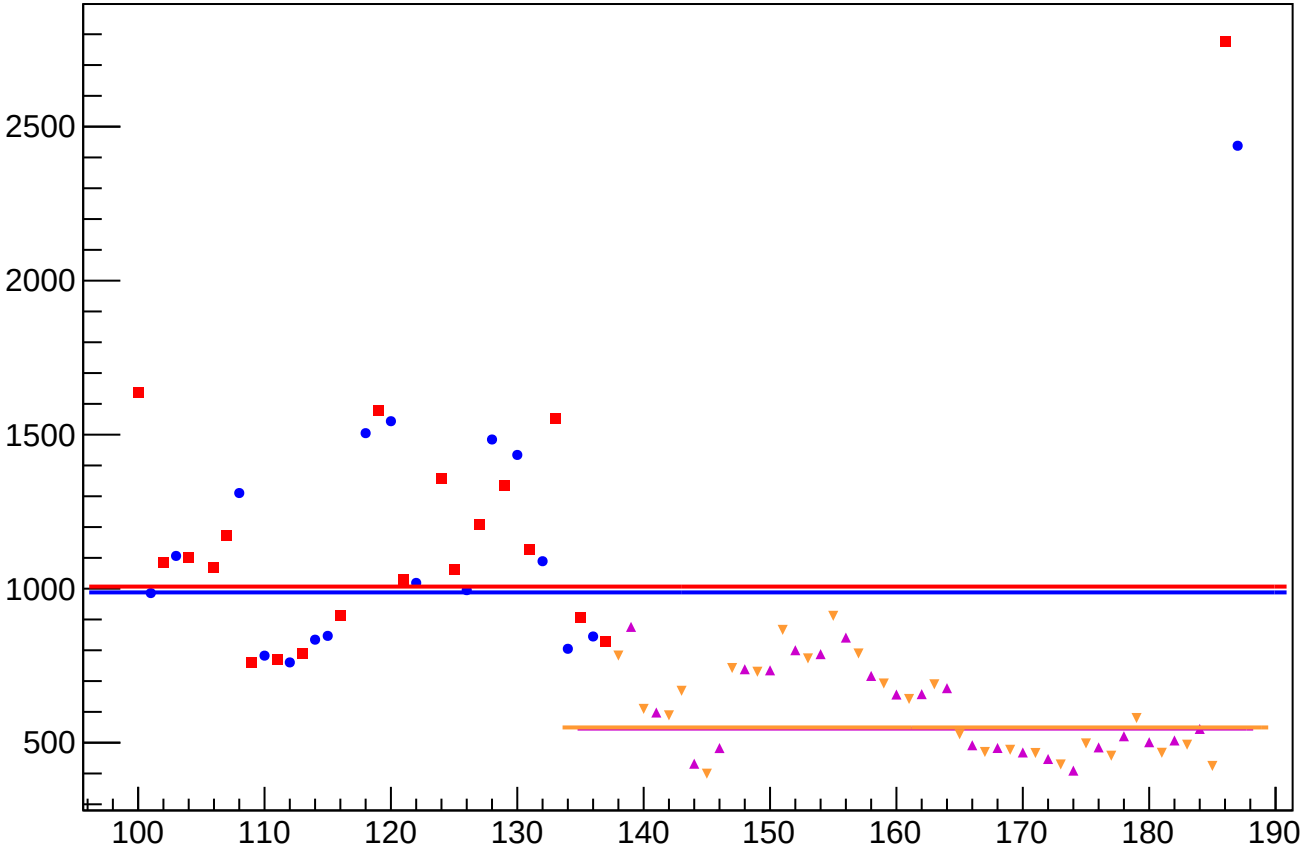
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 611.329+/-121.895 χ^2/NDF: 89.6/41

All: 357.042+/-86.871 χ^2/NDF: 142.7/84

- sign 94.590+/-123.837 χ^2/NDF: 44.2/42

asym_sam_37_avg_rms vs Slug



Right In: 987.876+/-0.266 χ^2/NDF: 871501.2/16

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

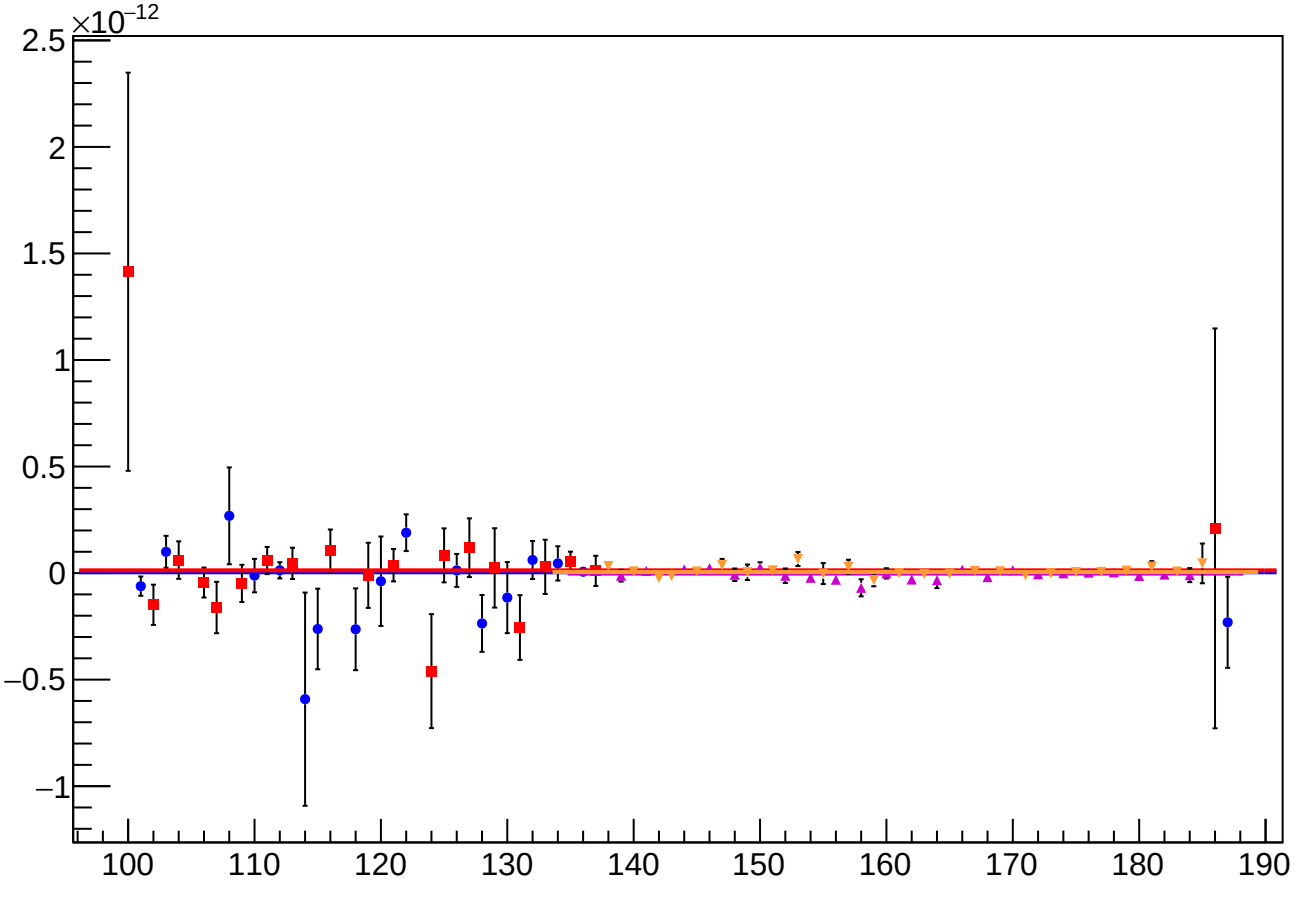
Right Out: 1006.774+/-0.264 χ^2/NDF: 1052942.2/19

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 595.543+/-0.086 χ^2/NDF: 5358261.7/41

All: 596.046+/-0.061 χ^2/NDF: 10946532.0/84

- sign 596.565+/-0.088 χ^2/NDF: 5588201.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

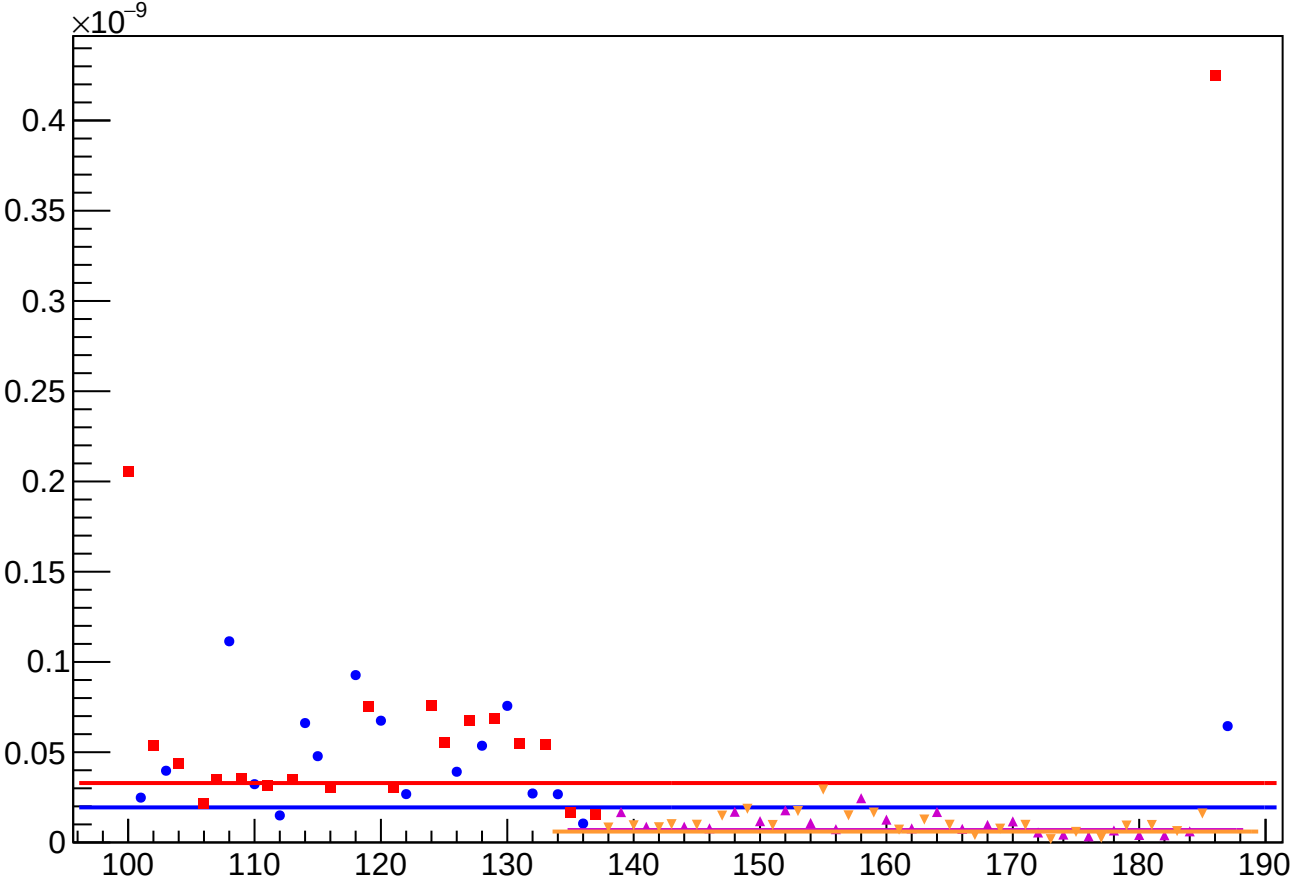
Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/41

All: 0.000+/-0.000 χ^2/NDF: 77.9/84

- sign -0.000+/-0.000 χ^2/NDF: 39.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 2067087.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1530644.0/19

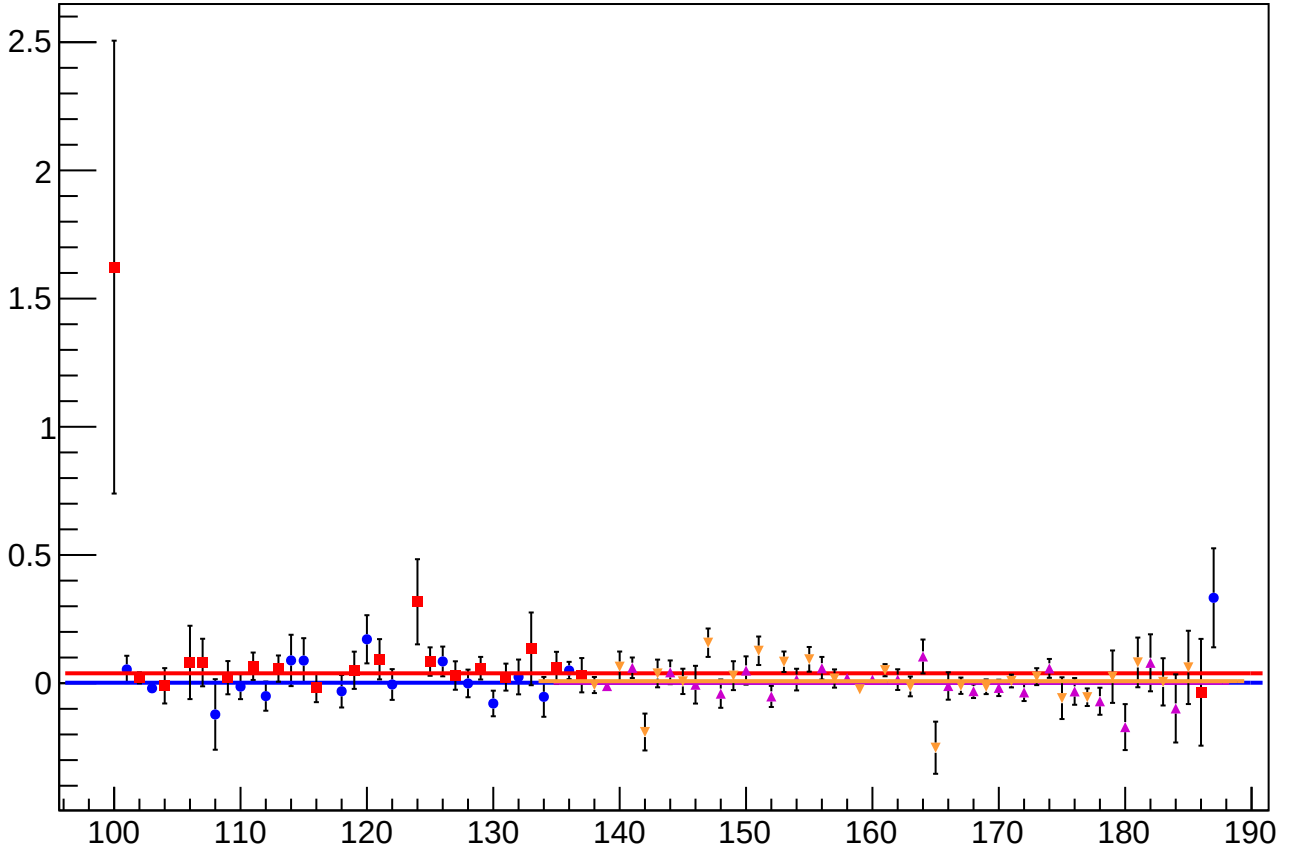
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7343281.8/41

All: 0.000+/-0.000 χ^2/NDF: 14450645.0/84

- sign 0.000+/-0.000 χ^2/NDF: 7024432.3/42

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.039+/-0.013 χ^2/NDF: 11.2/19

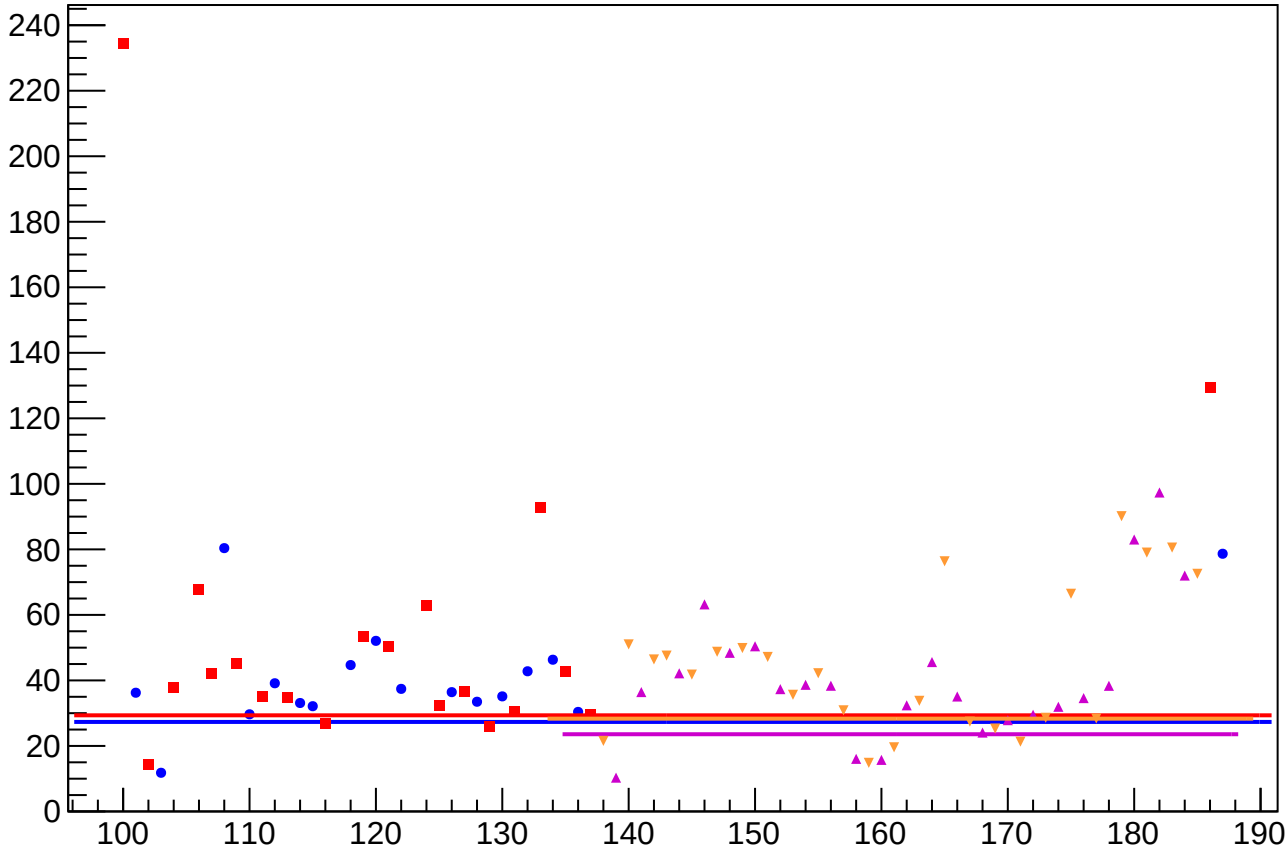
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.2/41

All: 0.008+/-0.004 χ^2/NDF: 110.4/84

- sign 0.010+/-0.006 χ^2/NDF: 43.1/42

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 27.327+/-0.008 χ^2/NDF: 2557218.7/16

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 29.347+/-0.009 χ^2/NDF: 2918898.6/19

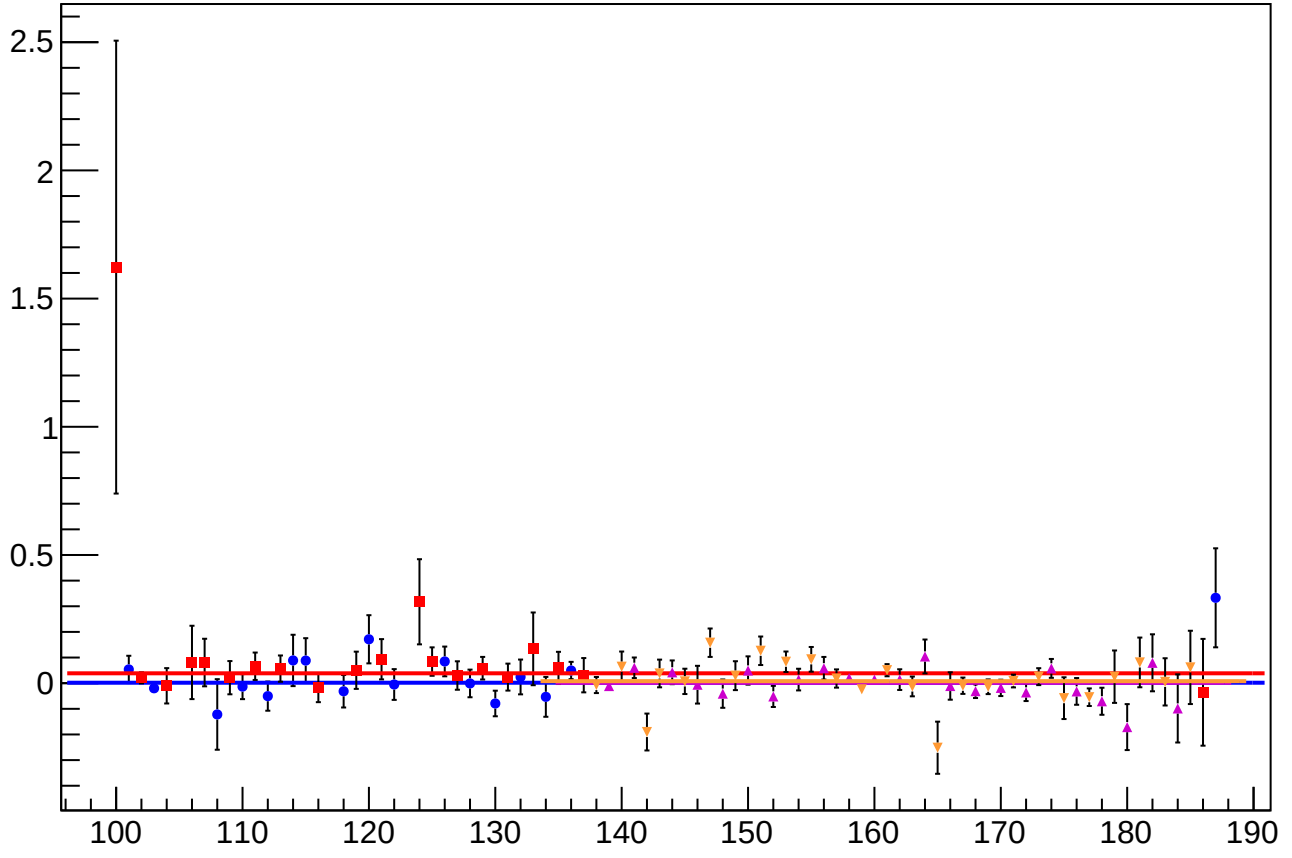
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.041+/-0.005 χ^2/NDF: 9355389.3/41

All: 26.351+/-0.003 χ^2/NDF: 21123407.8/84

- sign 24.874+/-0.004 χ^2/NDF: 11507457.7/42

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.039+/-0.013 χ^2/NDF: 11.2/19

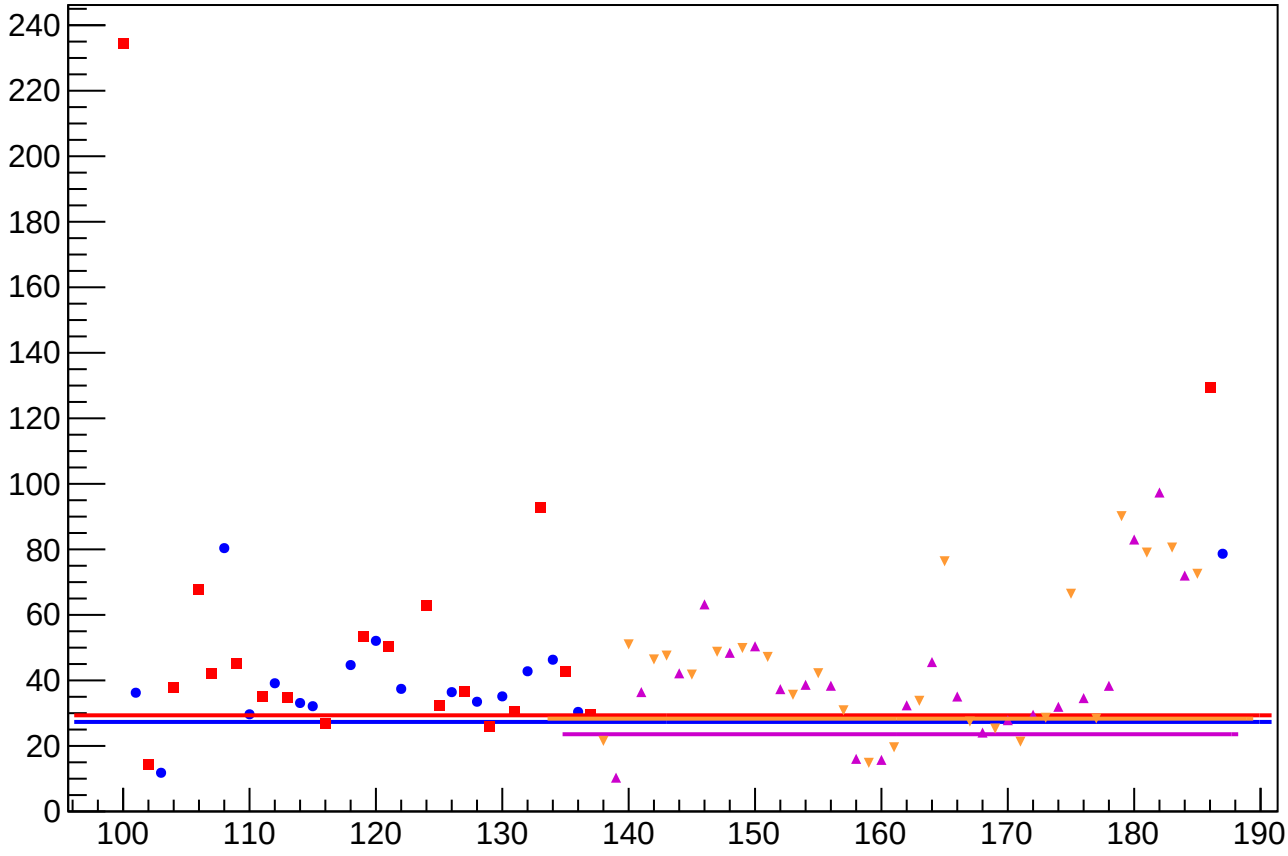
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.2/41

All: 0.008+/-0.004 χ^2/NDF: 110.4/84

- sign 0.010+/-0.006 χ^2/NDF: 43.1/42

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.327+/-0.008 χ^2/NDF: 2557218.7/16

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

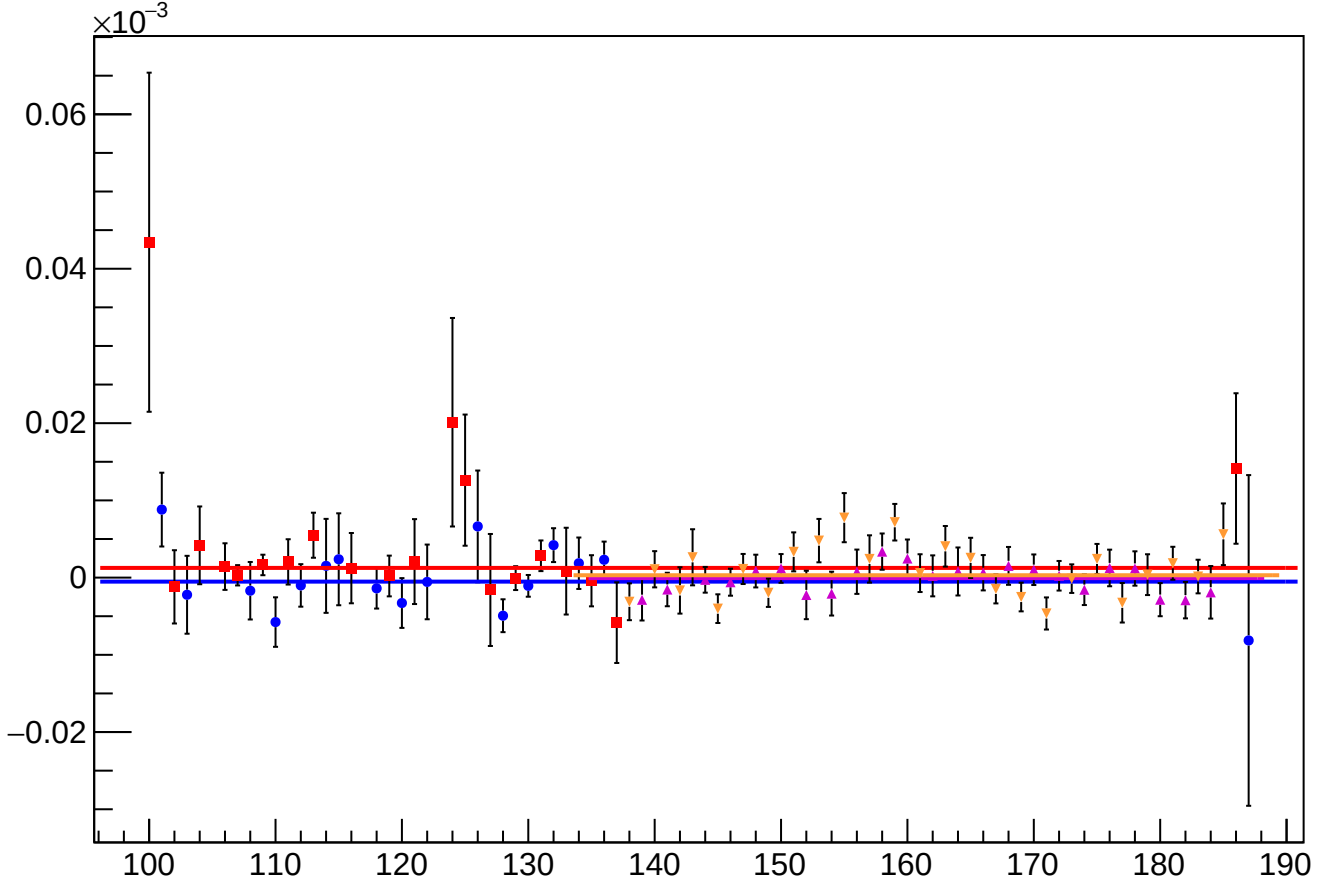
Right Out: 29.347+/-0.009 χ^2/NDF: 2918898.6/19

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 28.041+/-0.005 χ^2/NDF: 9355389.3/41

All: 26.351+/-0.003 χ^2/NDF: 21123407.8/84

- sign 24.874+/-0.004 χ^2/NDF: 11507457.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

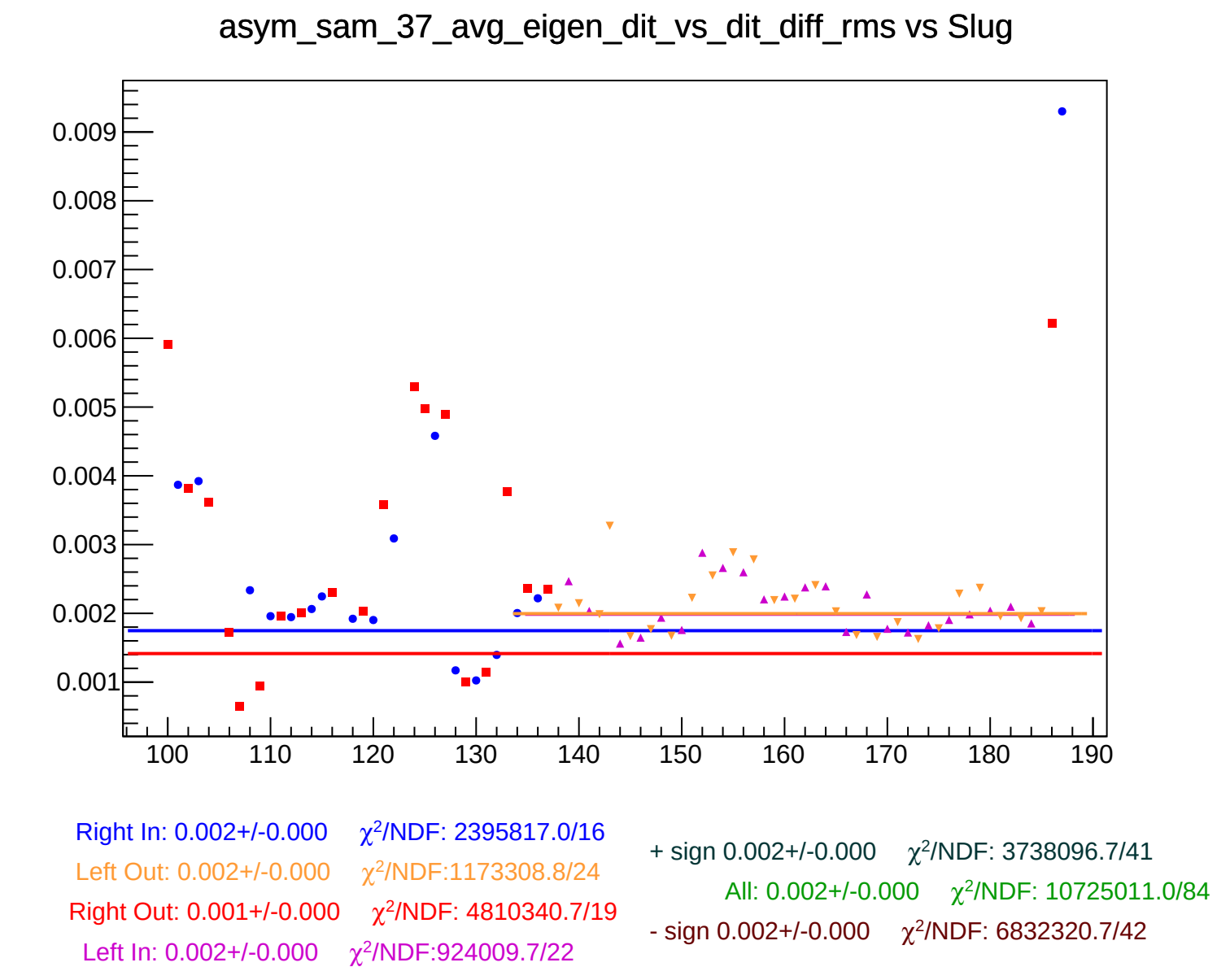
Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/19

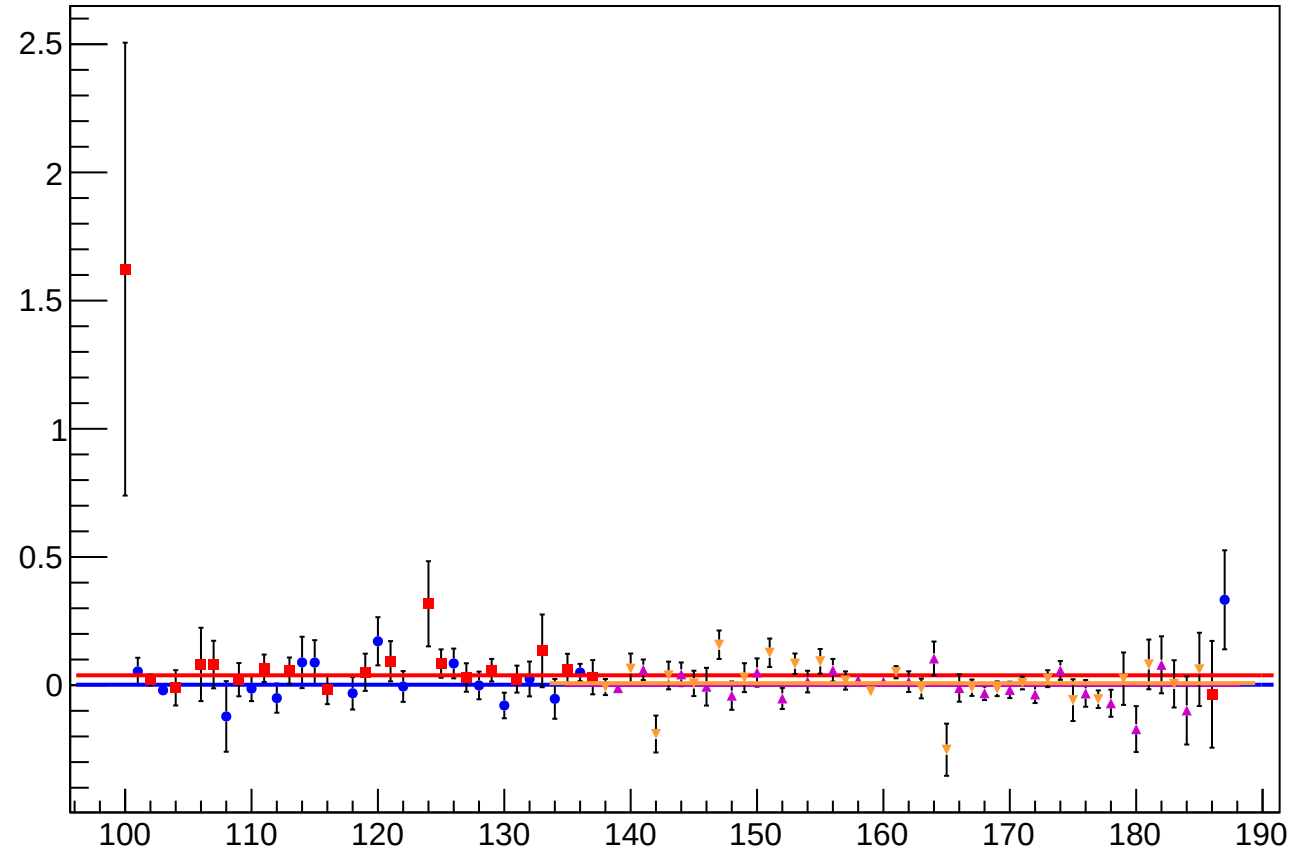
Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.7/41

All: 0.000+/-0.000 χ^2/NDF: 98.6/84

- sign 0.000+/-0.000 χ^2/NDF: 31.4/42


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2395817.0/16
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.001+/-0.000 χ²/NDF: 4810340.7/19
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 3738096.7/41
All: 0.002+/-0.000 χ²/NDF: 10725011.0/84
- sign 0.002+/-0.000 χ²/NDF: 6832320.7/42



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.039+/-0.013 χ^2/NDF: 11.2/19

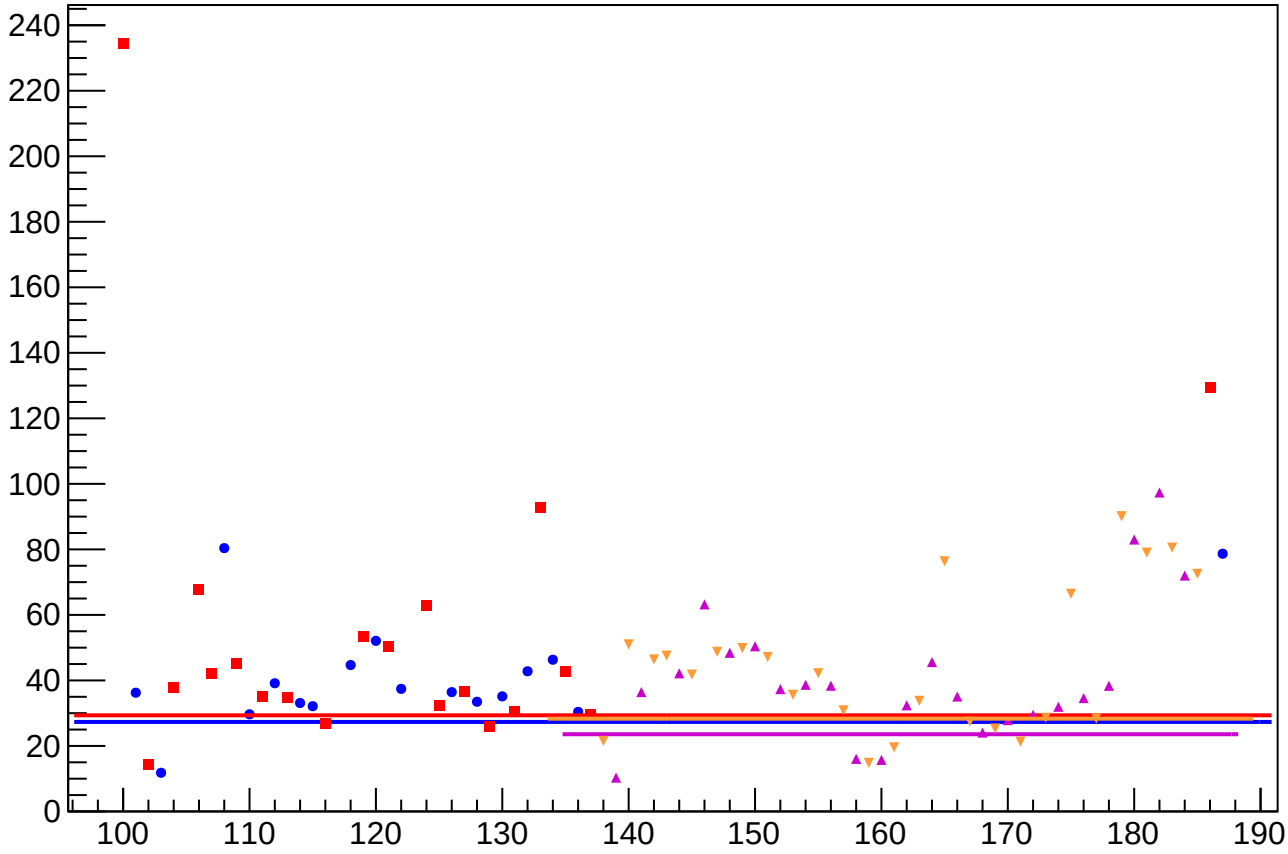
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.2/41

All: 0.008+/-0.004 χ^2/NDF: 110.4/84

- sign 0.010+/-0.006 χ^2/NDF: 43.1/42

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 27.327+/-0.008 χ^2/NDF: 2557571.8/16

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

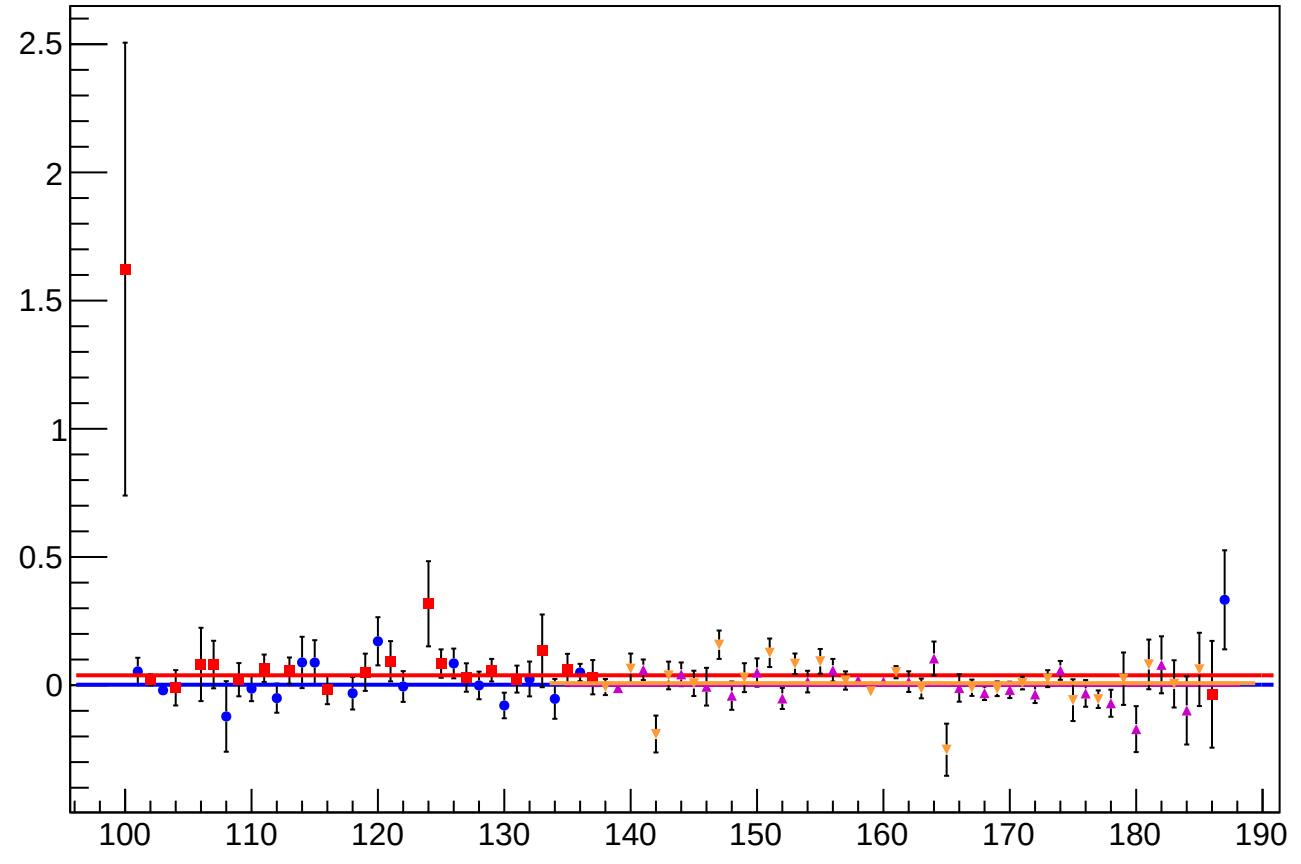
Right Out: 29.350+/-0.009 χ^2/NDF: 2918278.7/19

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.040+/-0.005 χ^2/NDF: 9356209.0/41

All: 26.350+/-0.003 χ^2/NDF: 21125072.1/84

- sign 24.874+/-0.004 χ^2/NDF: 11508303.3/42



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

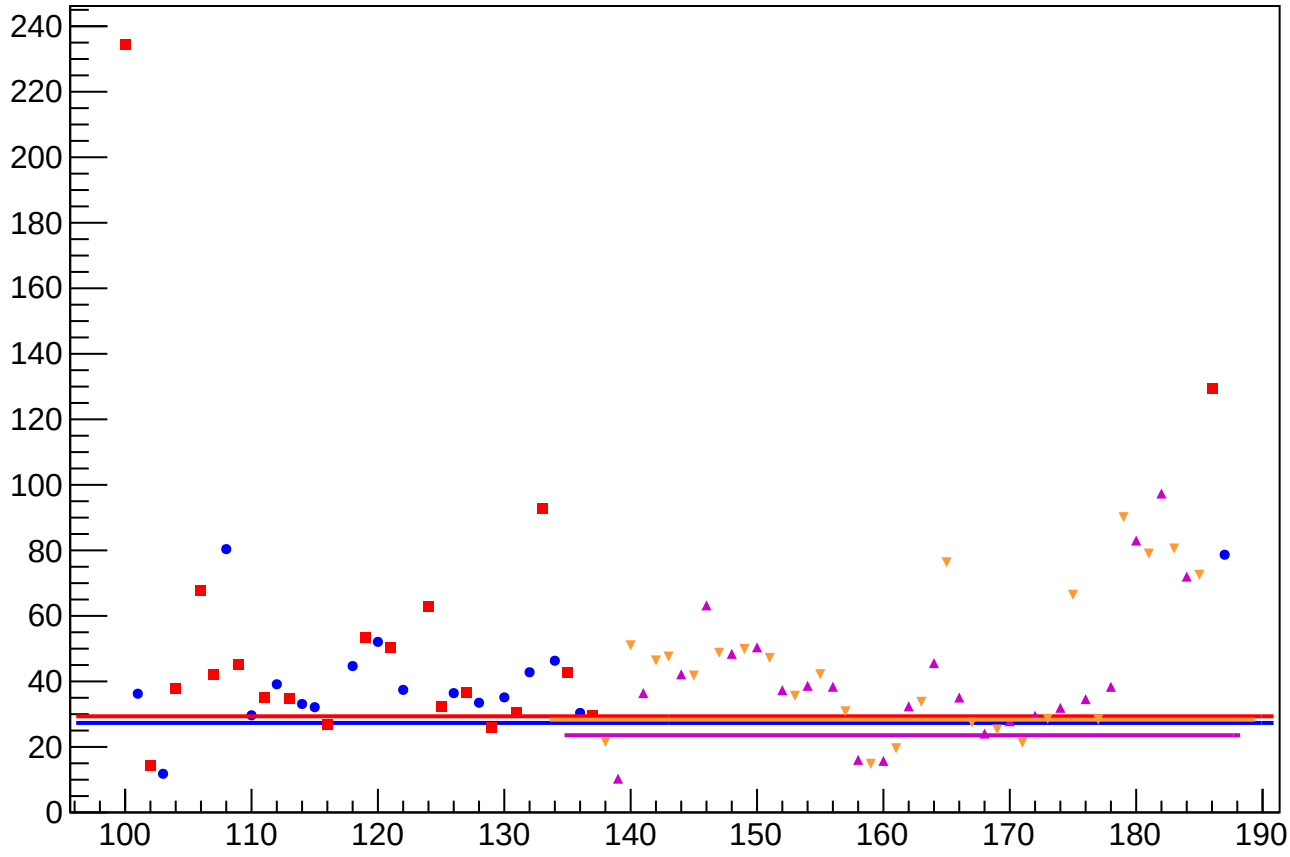
Right Out: 0.039+/-0.013 χ^2/NDF: 11.2/19

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 67.2/41

All: 0.008+/-0.004 χ^2/NDF: 110.4/84

- sign 0.010+/-0.006 χ^2/NDF: 43.1/42



Right In: 27.327+/-0.008 χ^2/NDF: 2557571.8/16

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

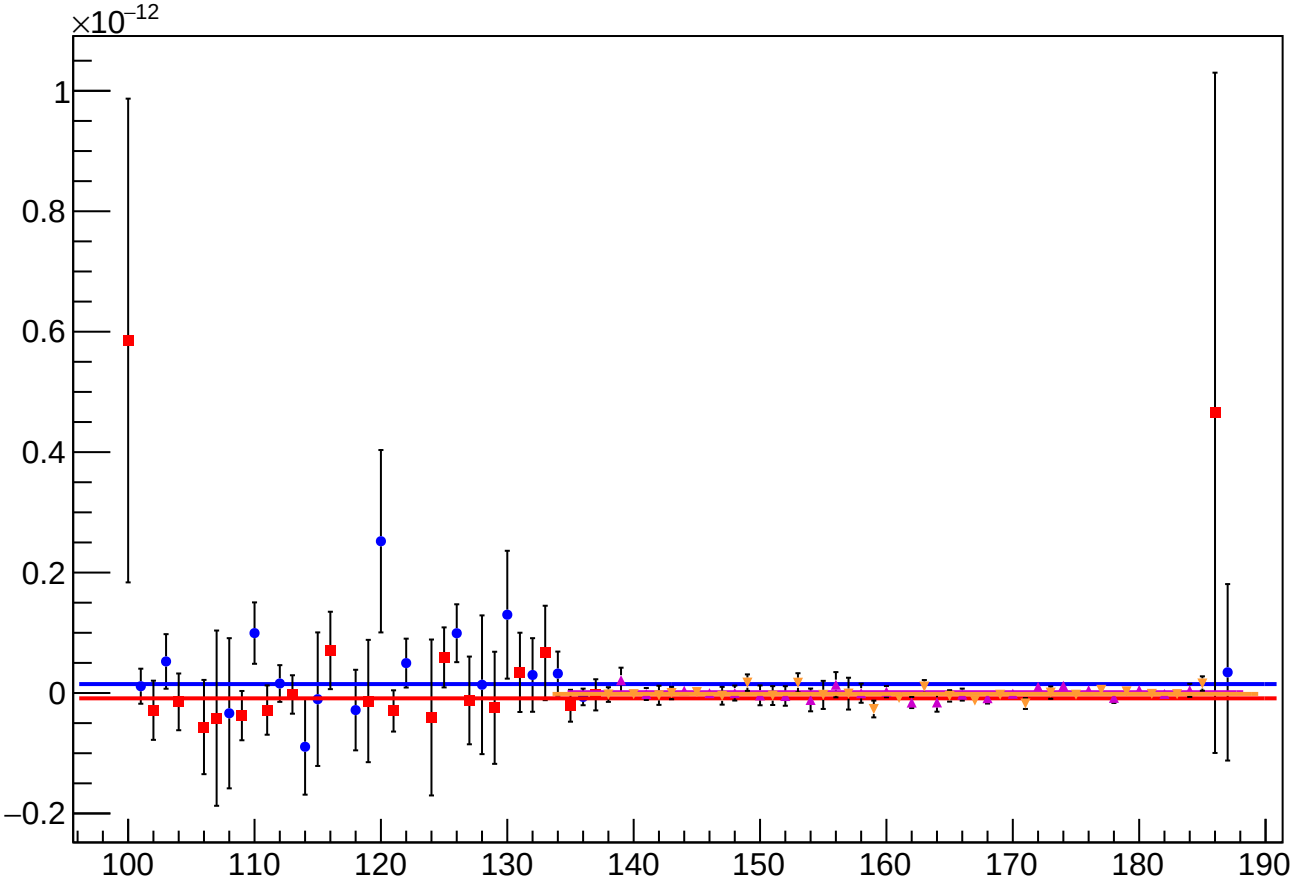
Right Out: 29.350+/-0.009 χ^2/NDF: 2918278.7/19

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 28.040+/-0.005 χ^2/NDF: 9356209.0/41

All: 26.350+/-0.003 χ^2/NDF: 21125072.1/84

- sign 24.874+/-0.004 χ^2/NDF: 11508303.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

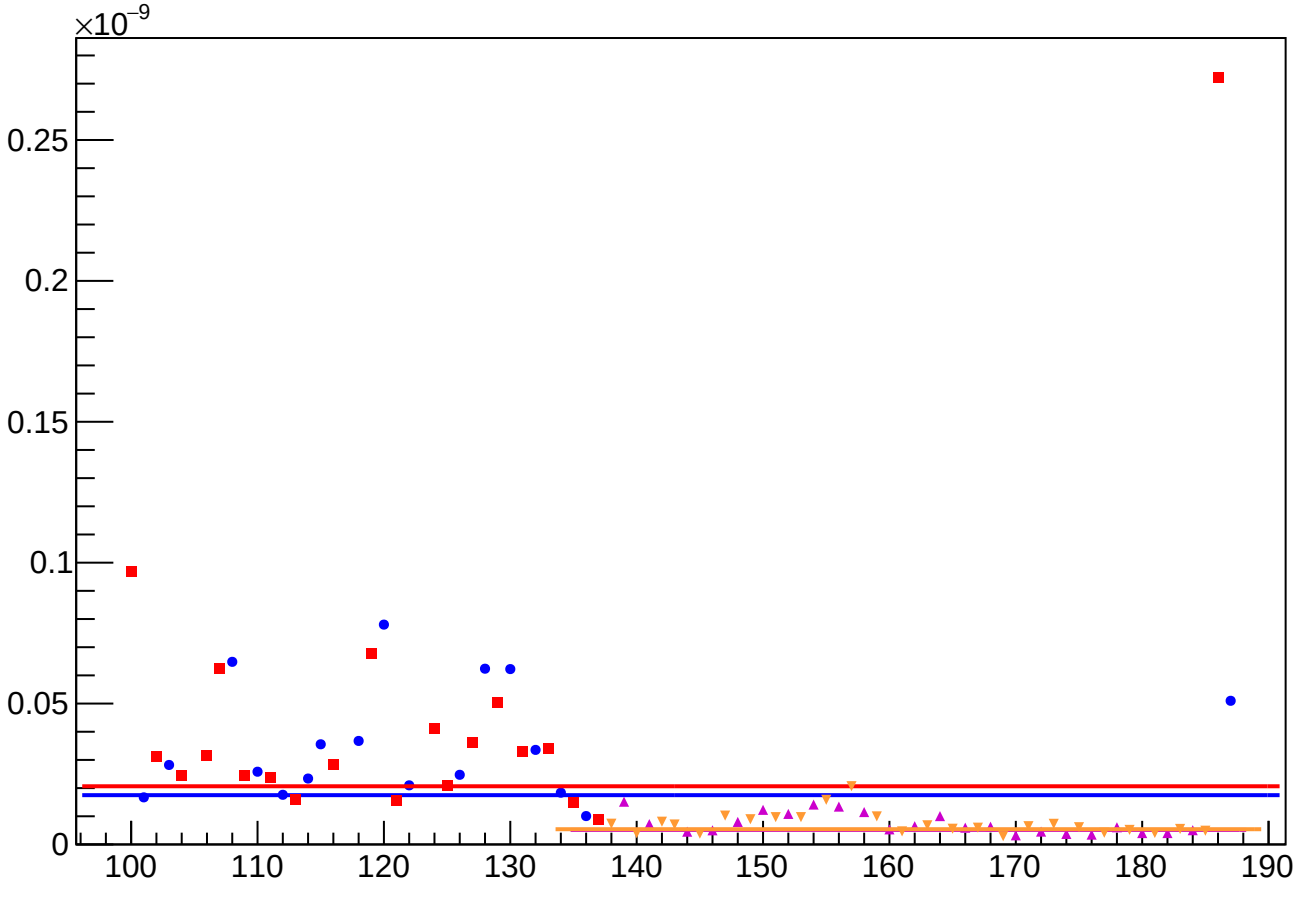
Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/19

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 36.4/41

All: 0.000+/-0.000 χ^2/NDF: 63.6/84

- sign 0.000+/-0.000 χ^2/NDF: 26.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 2546921.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2322789.9/19

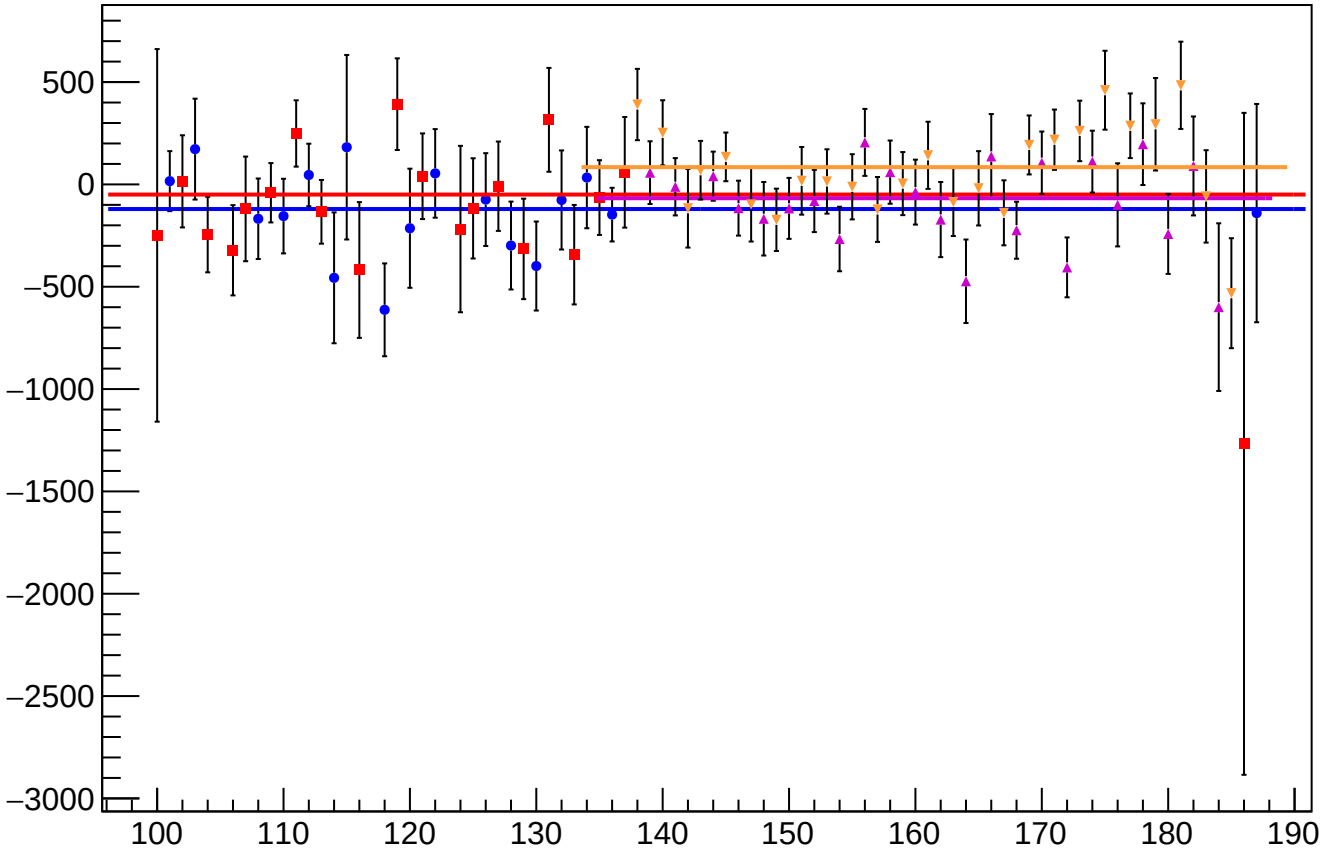
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8786808.1/41

All: 0.000+/-0.000 χ^2/NDF: 18515660.0/84

- sign 0.000+/-0.000 χ^2/NDF: 9705353.4/42

reg_asym_sam_48_avg_mean vs Slug



Right In: -120.341+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -49.609+/-49.886 χ^2/NDF: 17.6/19

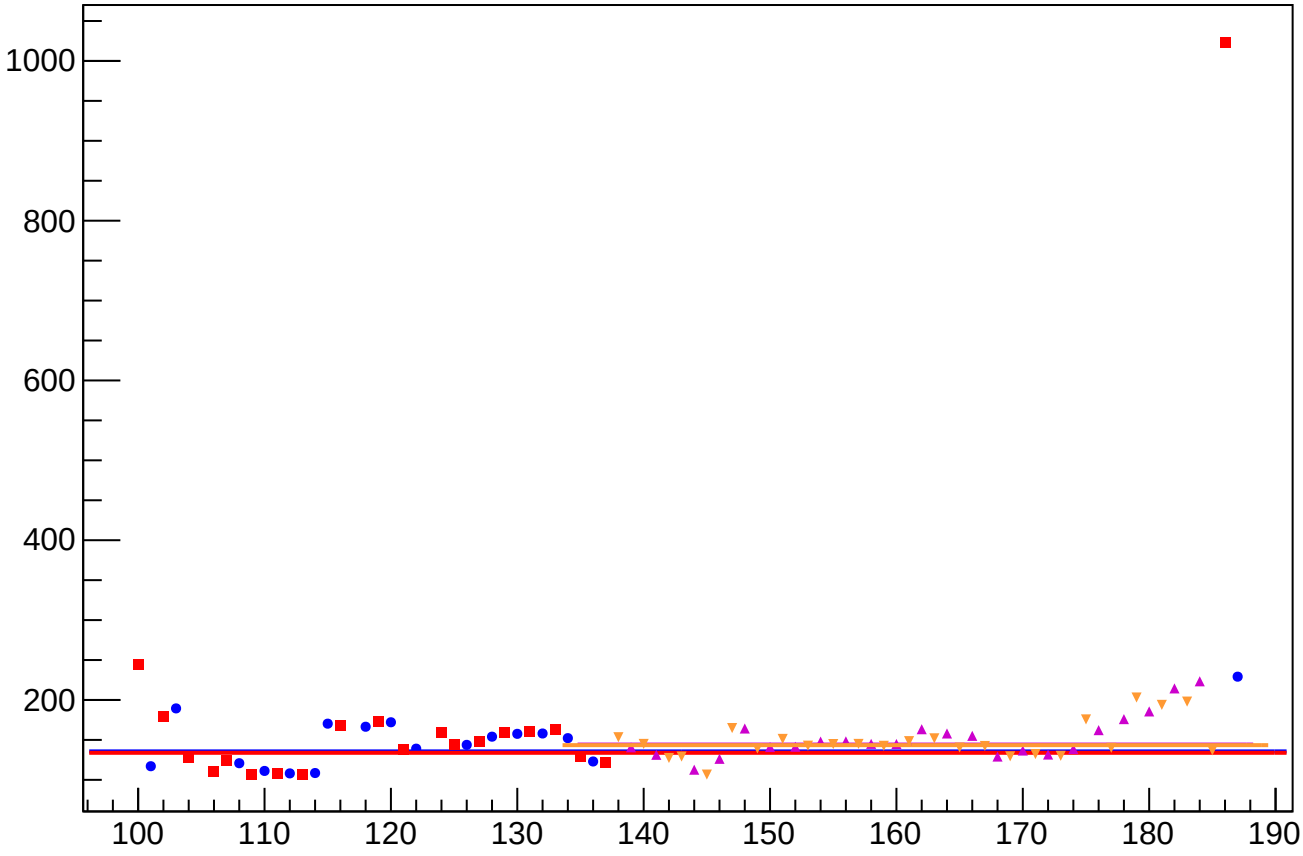
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 23.614+/-27.706 χ^2/NDF: 58.6/41

All: -18.426+/-19.754 χ^2/NDF: 107.5/84

- sign -61.893+/-28.172 χ^2/NDF: 44.2/42

reg_asym_sam_48_avg_rms vs Slug



Right In: 135.630+/-0.036 χ^2/NDF: 478860.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 133.866+/-0.035 χ^2/NDF: 1100904.6/19

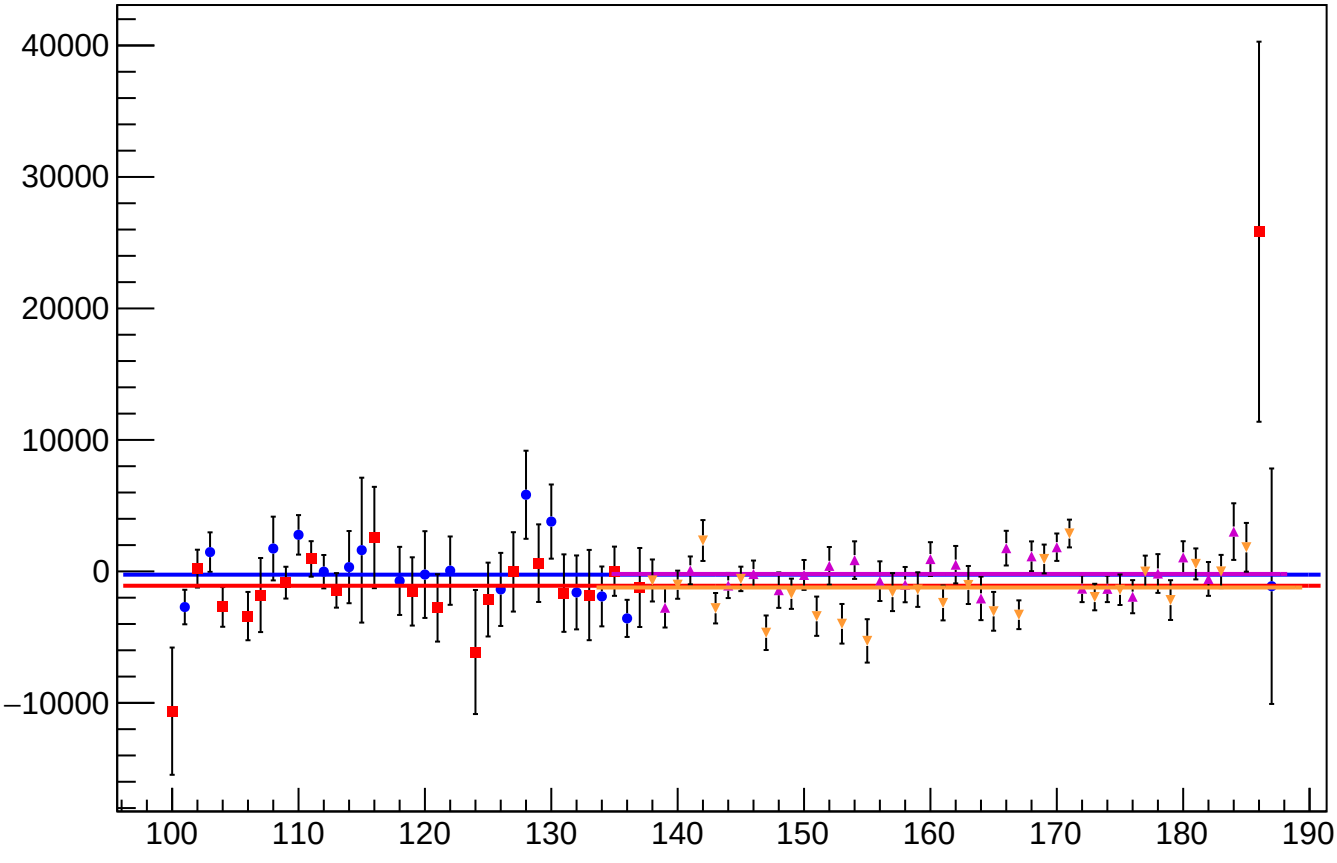
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 141.126+/-0.020 χ^2/NDF: 1259089.1/41

All: 141.007+/-0.014 χ^2/NDF: 3120898.0/84

\- sign 140.884+/-0.020 χ^2/NDF: 1861734.2/42

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -249.110+/-500.629 χ^2/NDF: 21.6/16

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1091.144+/-468.154 χ^2/NDF: 16.9/19

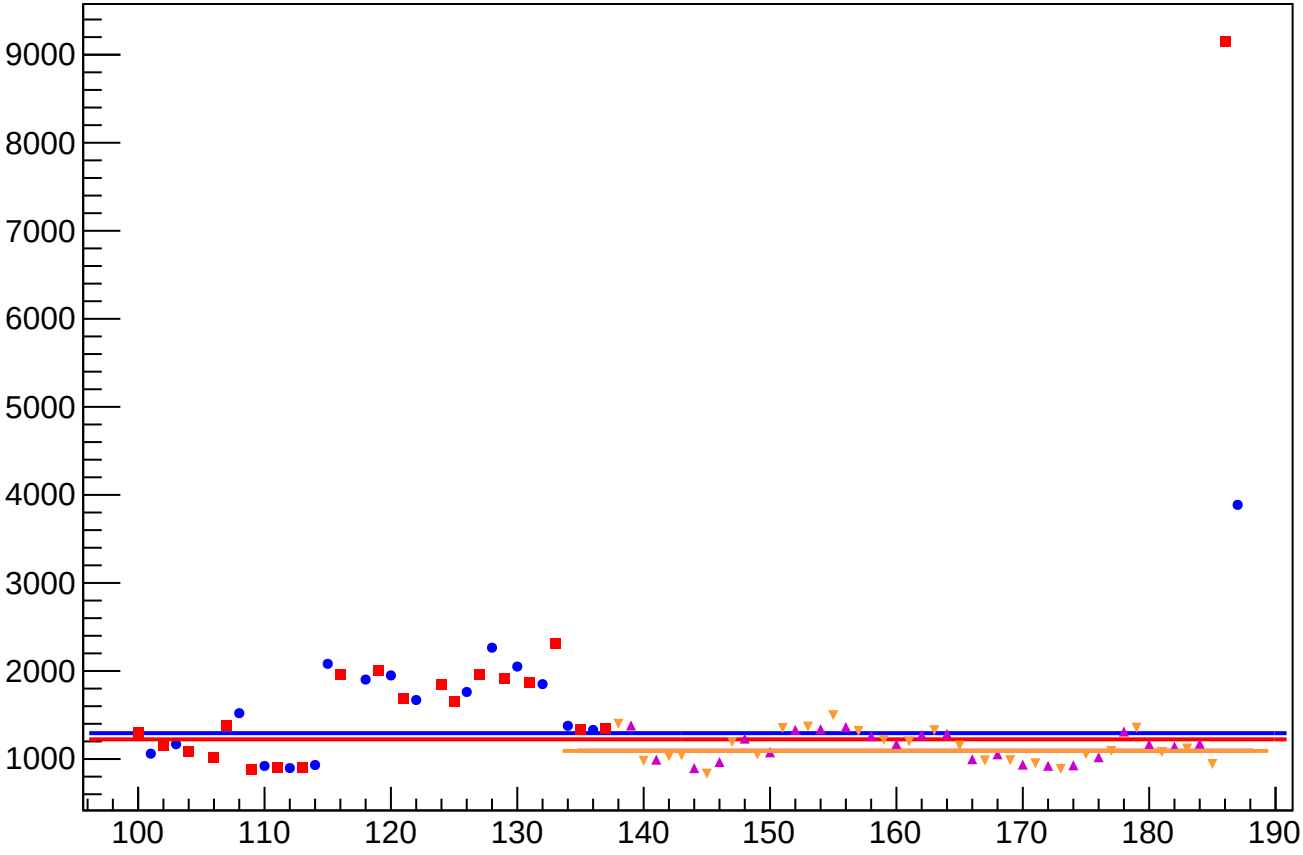
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1028.047+/-224.926 χ^2/NDF: 83.9/41

All: -718.303+/-159.627 χ^2/NDF: 130.7/84

- sign -403.995+/-226.577 χ^2/NDF: 43.0/42

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1293.798+/-0.354 χ^2/NDF: 1338680.5/16

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1223.560+/-0.331 χ^2/NDF: 1988267.7/19

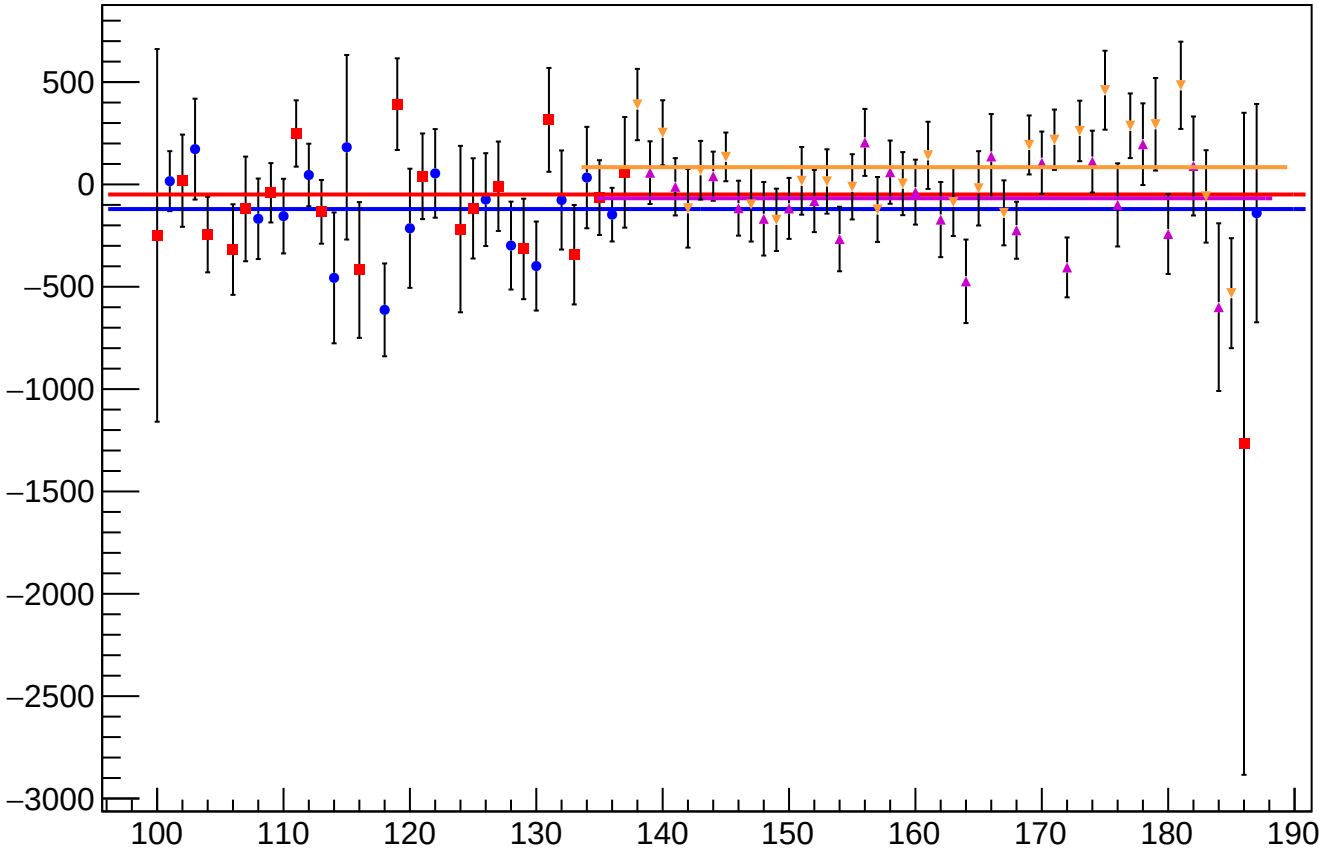
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1132.718+/-0.159 χ^2/NDF: 2490540.7/41

All: 1128.745+/-0.113 χ^2/NDF: 5329473.9/84

- sign 1124.714+/-0.160 χ^2/NDF: 2837676.0/42

cor_asym_sam_48_avg_mean vs Slug



Right In: -120.352+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -49.173+/-49.895 χ^2/NDF: 17.5/19

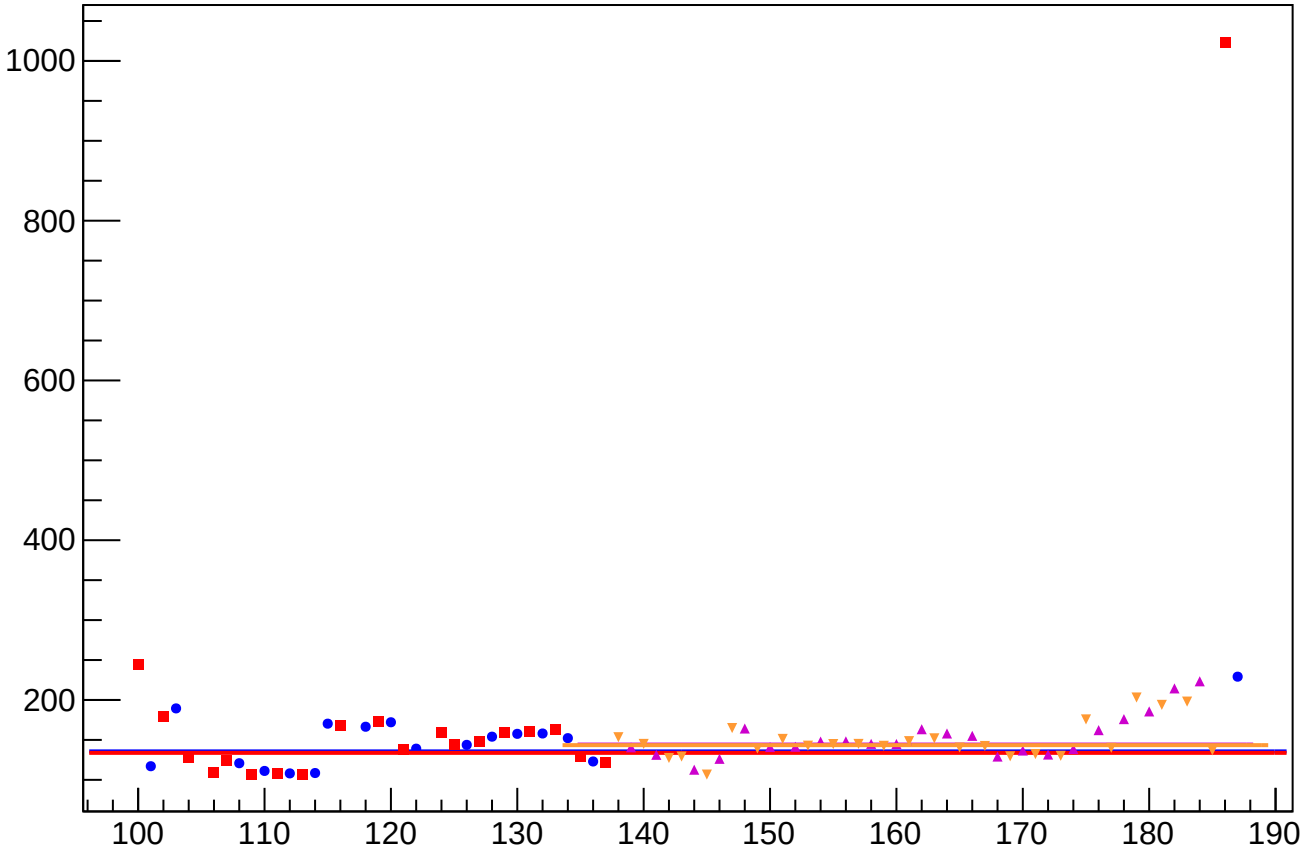
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.620+/-27.706 χ^2/NDF: 58.6/41

All: -18.353+/-19.754 χ^2/NDF: 107.4/84

- sign -61.757+/-28.174 χ^2/NDF: 44.1/42

cor_asym_sam_48_avg_rms vs Slug



Right In: 135.630+/-0.036 χ^2/NDF: 478863.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 133.794+/-0.035 χ^2/NDF: 1104136.4/19

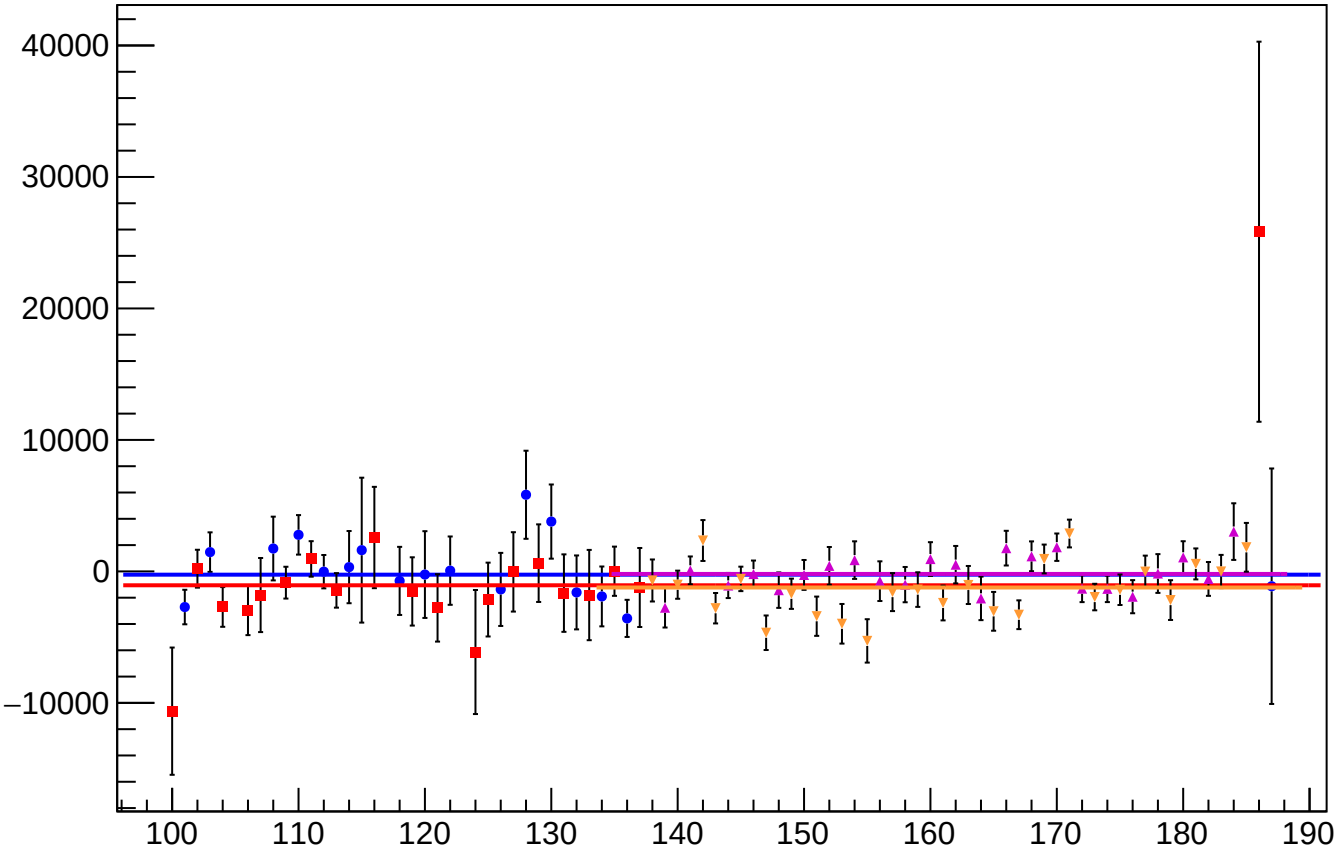
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.126+/-0.020 χ^2/NDF: 1259092.0/41

All: 140.996+/-0.014 χ^2/NDF: 3124947.4/84

- sign 140.862+/-0.020 χ^2/NDF: 1865766.4/42

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -249.180+/-500.634 χ^2/NDF: 21.6/16

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1055.744+/-469.076 χ^2/NDF: 16.3/19

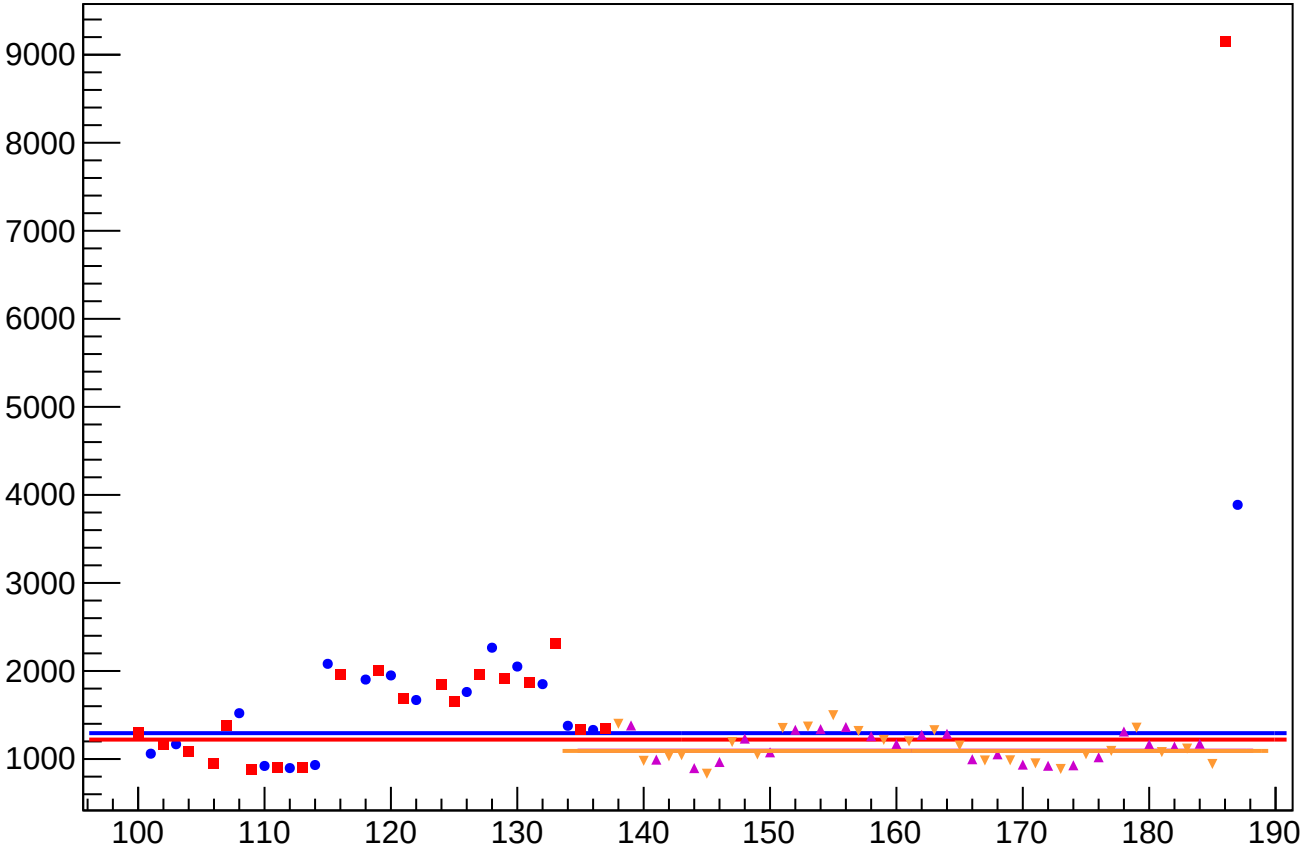
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1028.051+/-224.926 χ^2/NDF: 83.9/41

All: -714.034+/-159.664 χ^2/NDF: 130.0/84

- sign -395.097+/-226.681 χ^2/NDF: 42.1/42

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1293.812+/-0.354 χ^2/NDF: 1338653.6/16

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1220.635+/-0.332 χ^2/NDF: 2003059.7/19

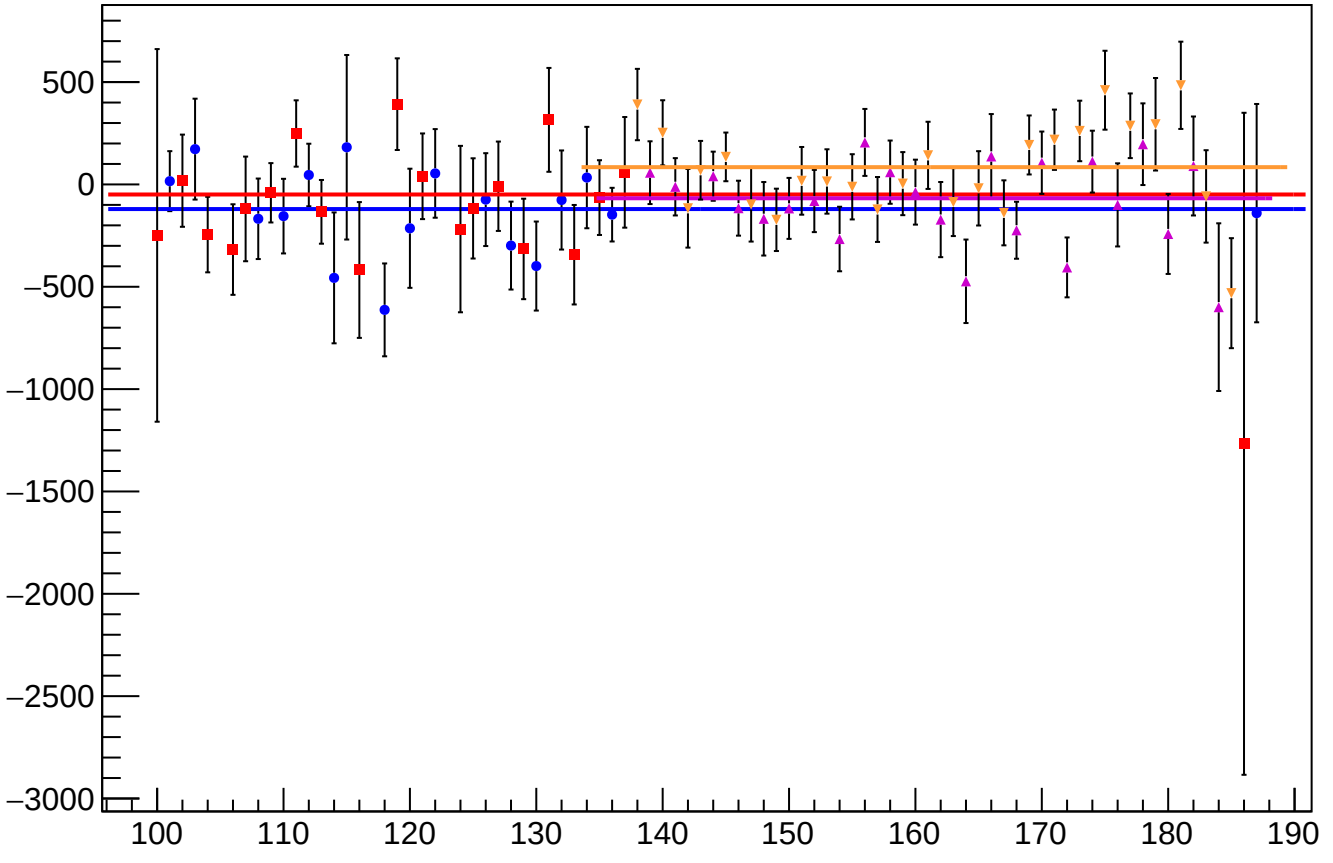
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1132.720+/-0.159 χ^2/NDF: 2490544.9/41

All: 1128.364+/-0.113 χ^2/NDF: 5338972.2/84

- sign 1123.940+/-0.160 χ^2/NDF: 2846915.3/42

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -120.352+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -49.173+/-49.895 χ^2/NDF: 17.5/19

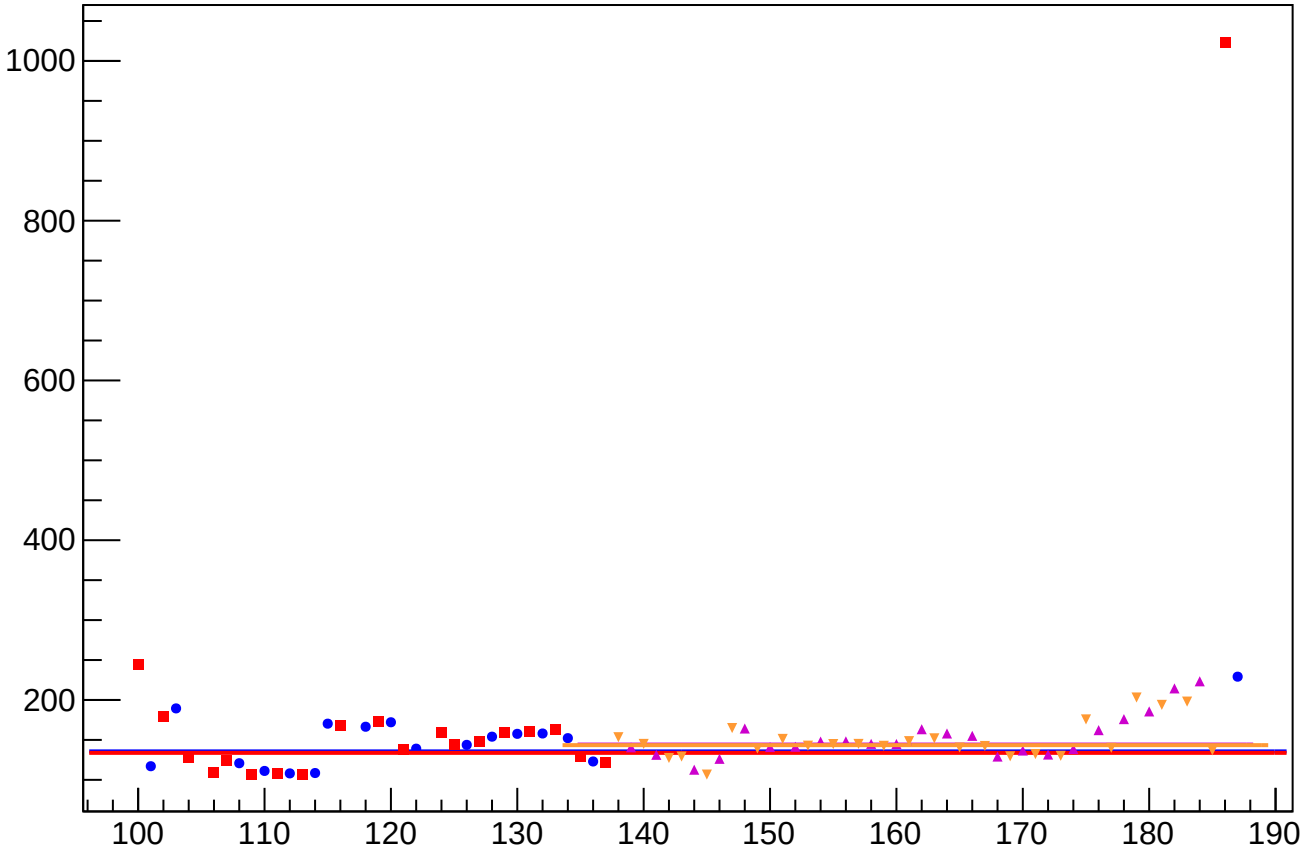
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 23.620+/-27.706 χ^2/NDF: 58.6/41

All: -18.353+/-19.754 χ^2/NDF: 107.4/84

- sign -61.757+/-28.174 χ^2/NDF: 44.1/42

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 135.630+/-0.036 χ^2/NDF: 478863.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

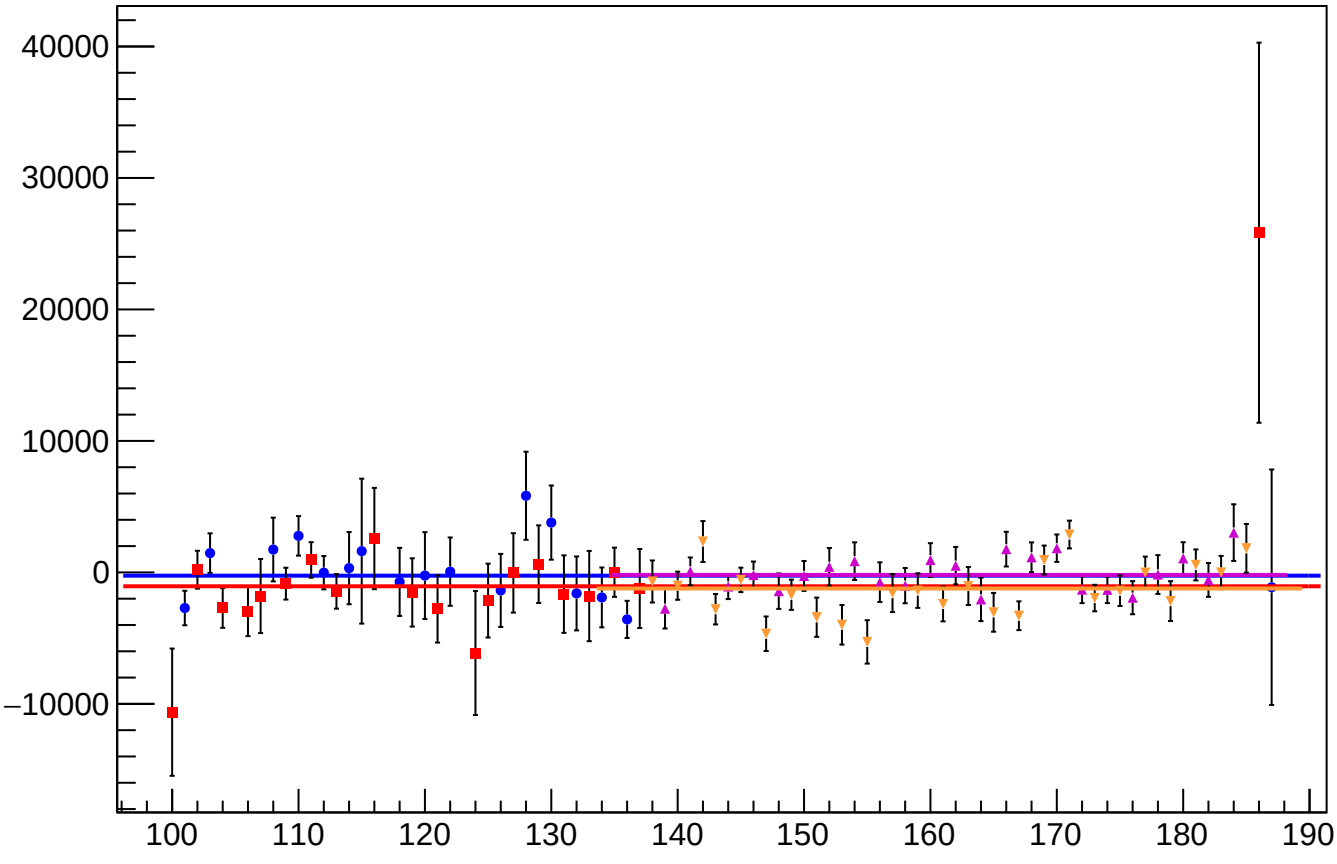
Right Out: 133.794+/-0.035 χ^2/NDF: 1104136.4/19

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 141.126+/-0.020 χ^2/NDF: 1259092.0/41

All: 140.996+/-0.014 χ^2/NDF: 3124947.4/84

- sign 140.862+/-0.020 χ^2/NDF: 1865766.4/42



Right In: -249.180+/-500.634 χ^2/NDF: 21.6/16

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1055.744+/-469.076 χ^2/NDF: 16.3/19

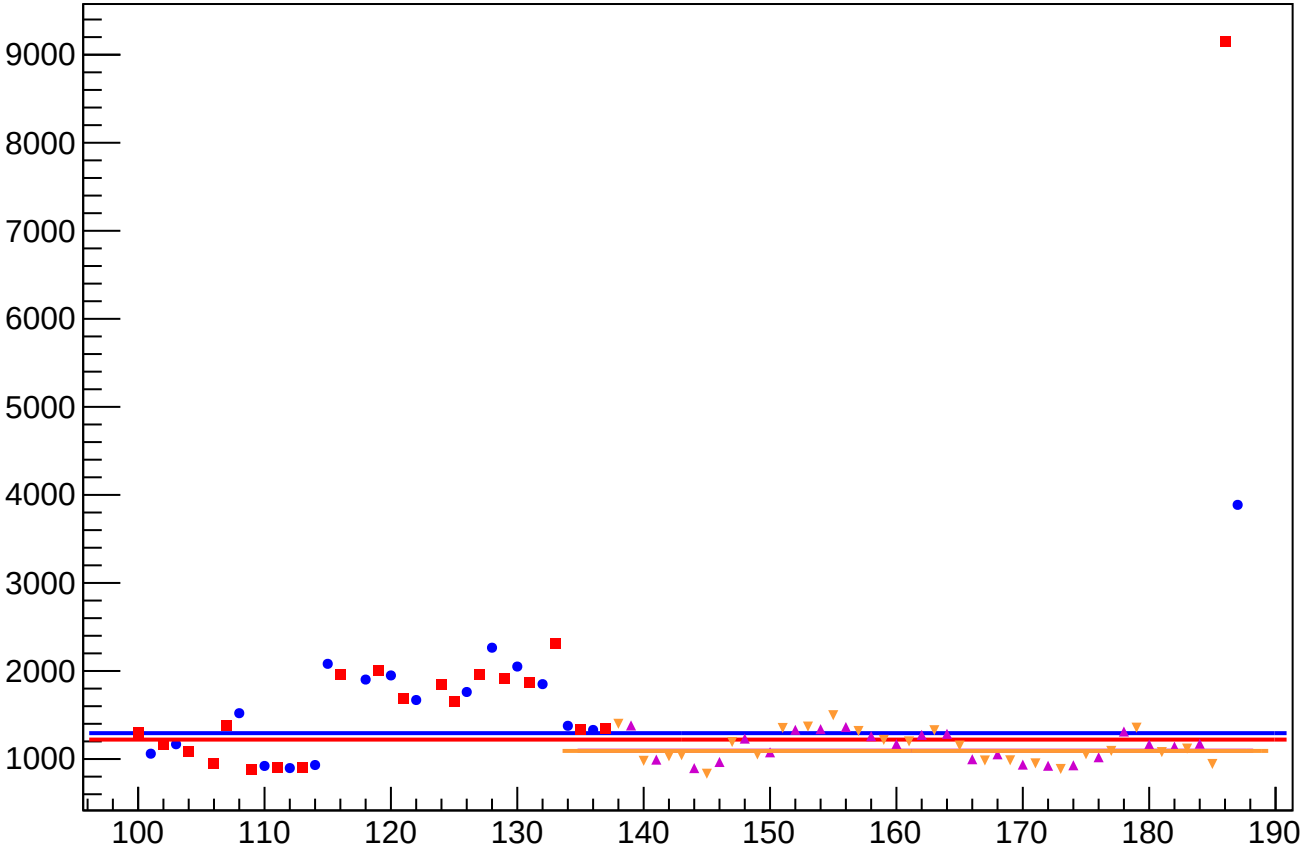
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1028.051+/-224.926 χ^2/NDF: 83.9/41

All: -714.034+/-159.664 χ^2/NDF: 130.0/84

- sign -395.097+/-226.681 χ^2/NDF: 42.1/42

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1293.812+/-0.354 χ^2/NDF: 1338653.6/16

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1220.635+/-0.332 χ^2/NDF: 2003059.7/19

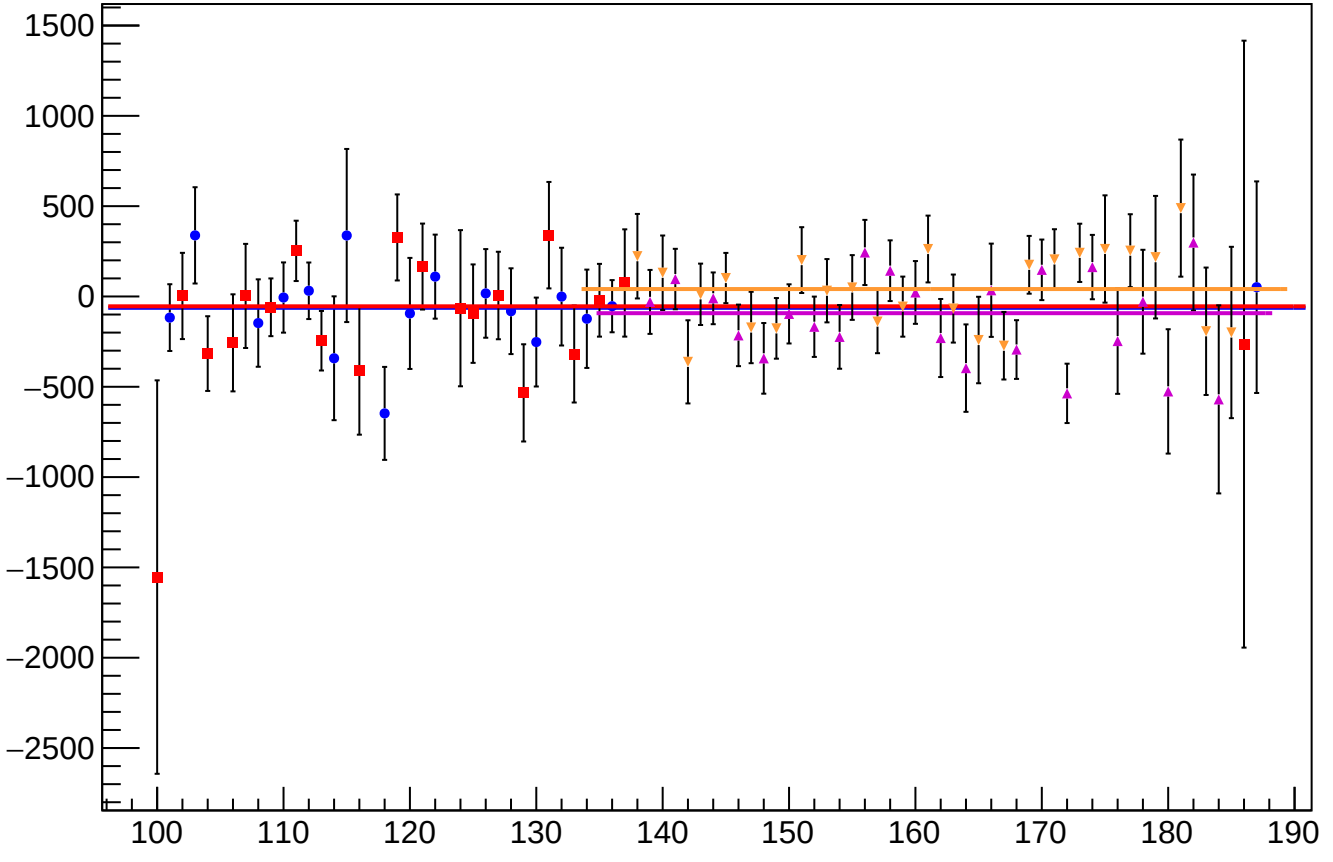
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1132.720+/-0.159 χ^2/NDF: 2490544.9/41

All: 1128.364+/-0.113 χ^2/NDF: 5338972.2/84

- sign 1123.940+/-0.160 χ^2/NDF: 2846915.3/42

dit_asym_sam_48_avg_mean vs Slug



Right In: -62.711+/-56.469 χ^2/NDF: 10.9/16

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.527+/-54.714 χ^2/NDF: 19.5/19

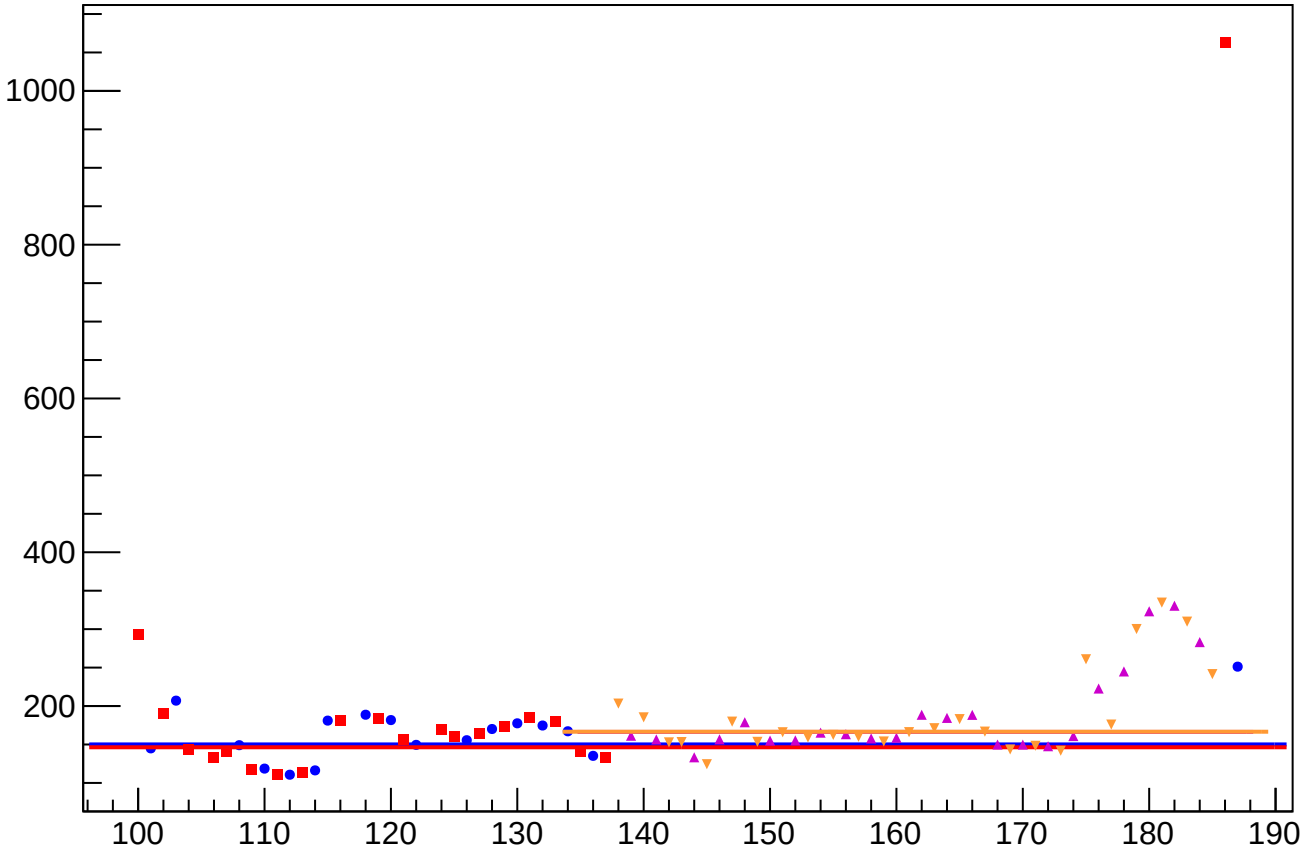
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 7.360+/-32.189 χ^2/NDF: 35.4/41

All: -35.686+/-22.827 χ^2/NDF: 88.4/84

- sign -79.239+/-32.378 χ^2/NDF: 49.3/42

dit_asym_sam_48_avg_rms vs Slug



Right In: 150.079+/-0.040 χ^2/NDF: 511200.9/16

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 146.372+/-0.039 χ^2/NDF: 1121561.7/19

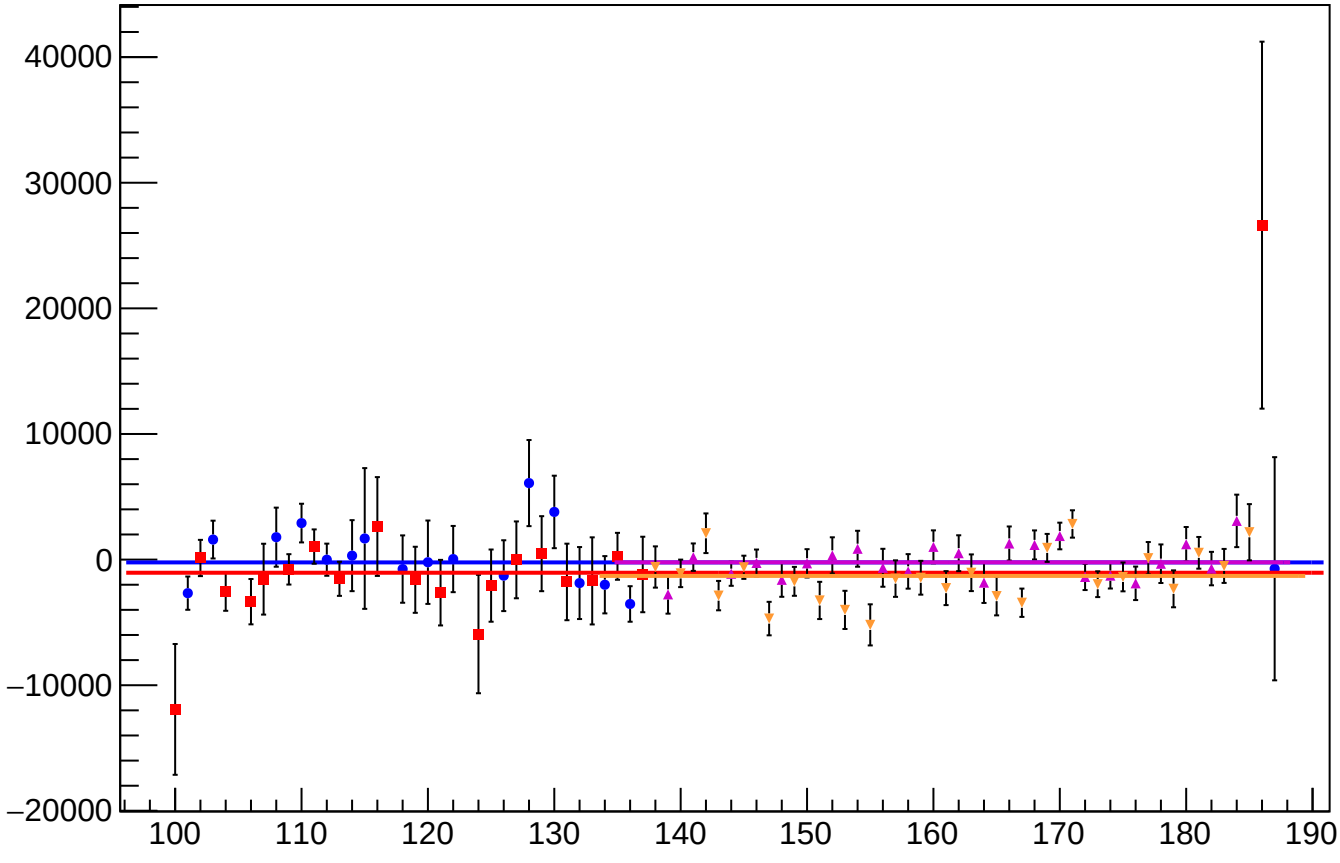
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 161.231+/-0.023 χ^2/NDF: 2346578.4/41

All: 160.284+/-0.016 χ^2/NDF: 5036630.4/84

- sign 159.327+/-0.023 χ^2/NDF: 2686572.9/42

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -222.880+/-505.382 χ^2/NDF: 21.9/16

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1045.441+/-472.569 χ^2/NDF: 17.2/19

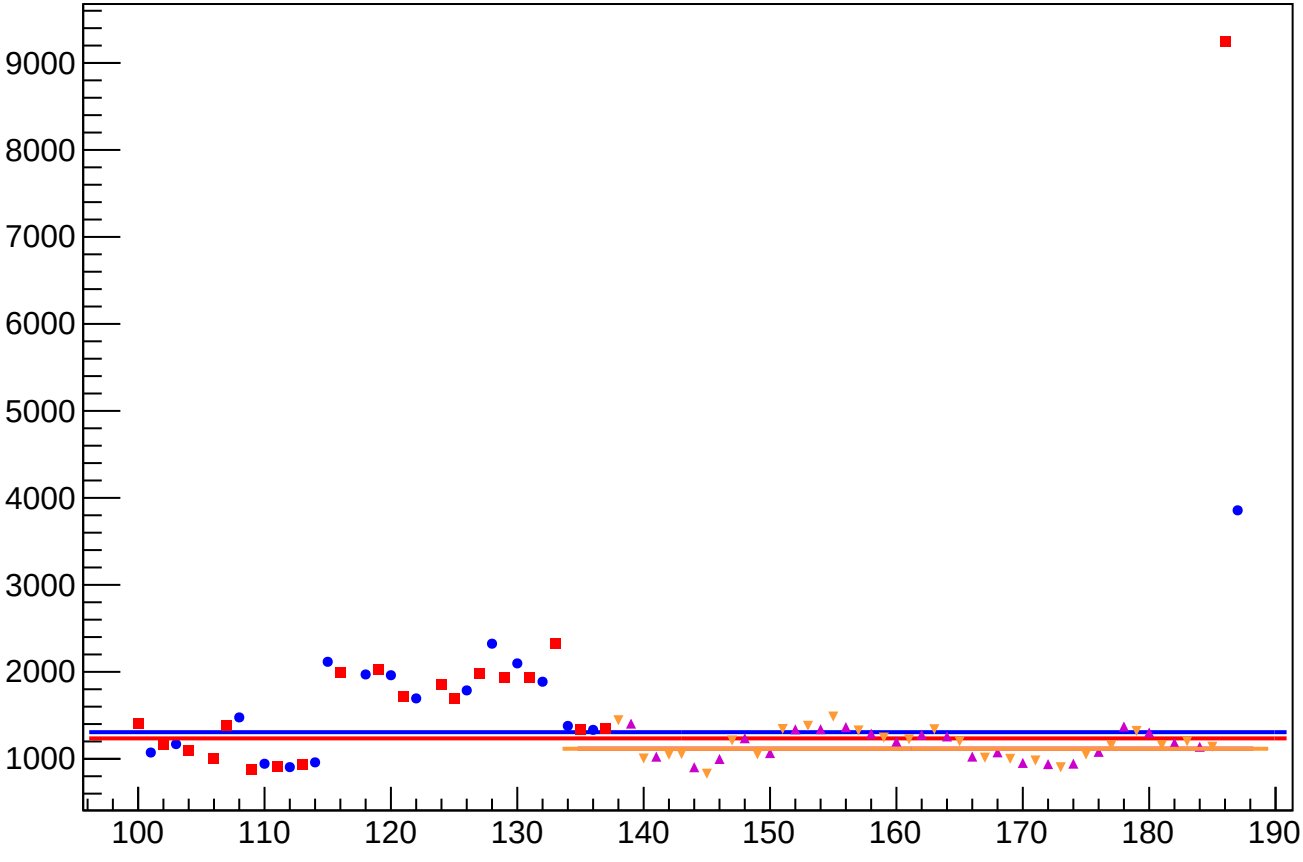
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1077.417+/-229.054 χ^2/NDF: 80.6/41

All: -748.482+/-162.556 χ^2/NDF: 126.5/84

- sign -414.708+/-230.732 χ^2/NDF: 41.8/42

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1306.576+/-0.357 χ^2/NDF: 1347555.2/16

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1235.123+/-0.334 χ^2/NDF: 2006727.9/19

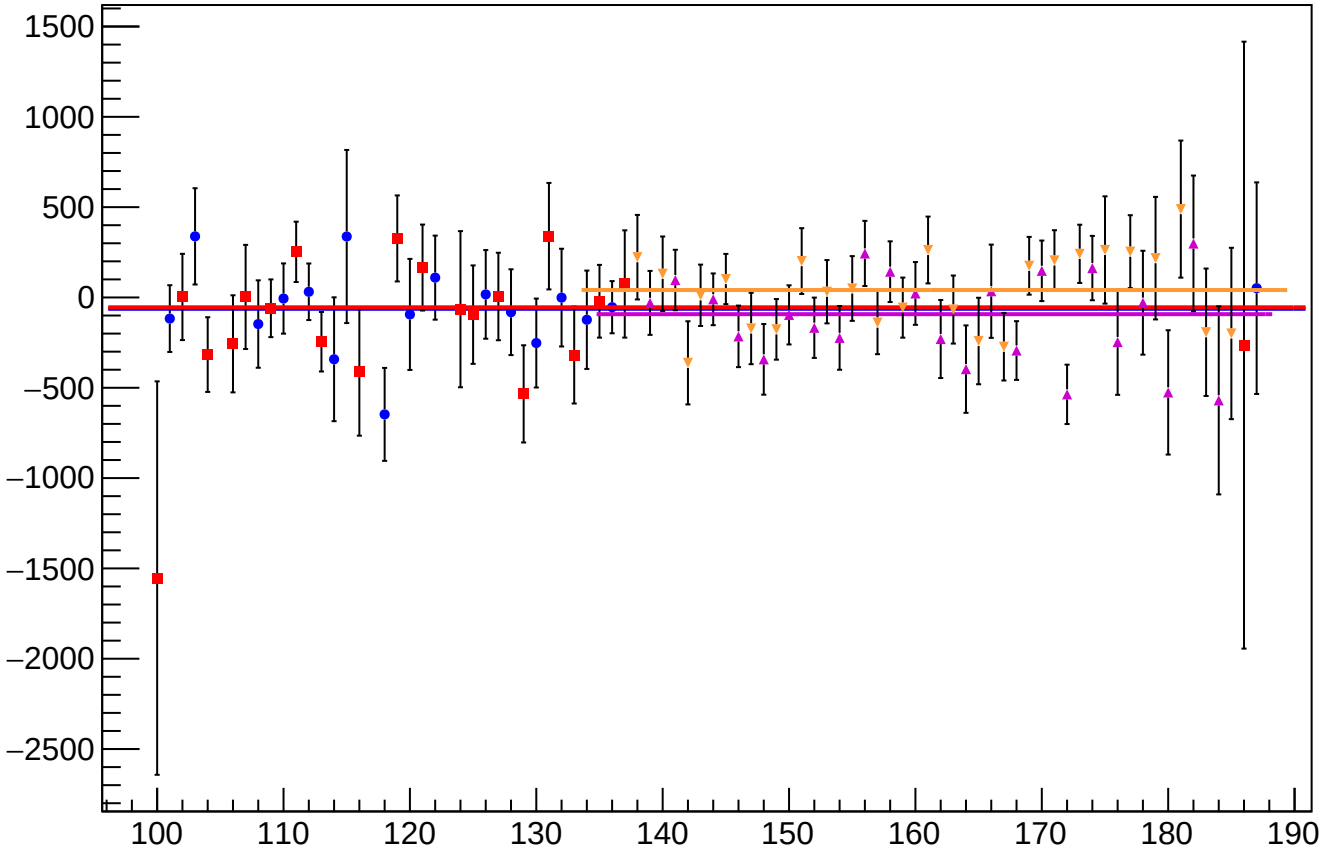
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1155.174+/-0.162 χ^2/NDF: 2440944.4/41

All: 1150.518+/-0.115 χ^2/NDF: 5272559.9/84

- sign 1145.792+/-0.163 χ^2/NDF: 2829950.1/42

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -62.708+/-56.469 χ^2/NDF: 10.9/16

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -54.527+/-54.714 χ^2/NDF: 19.5/19

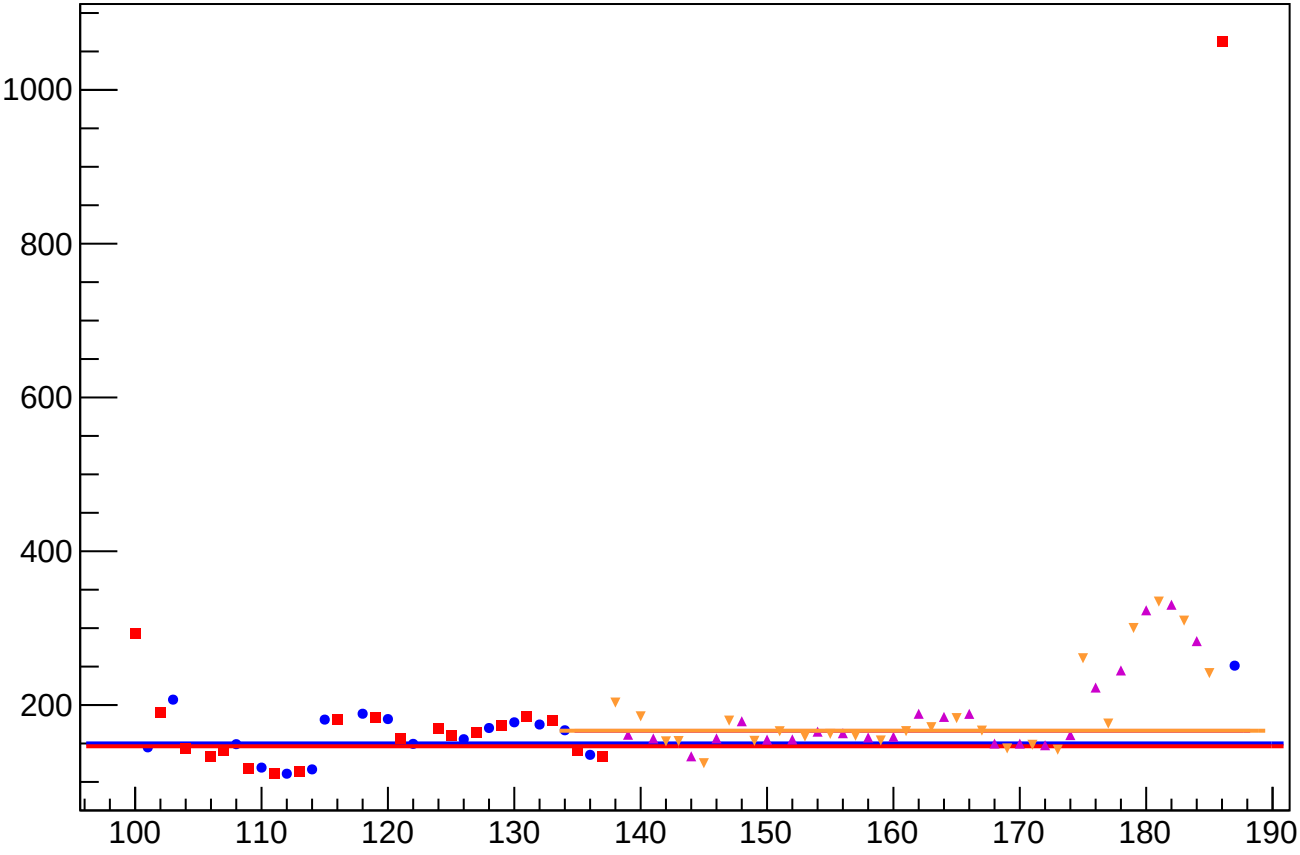
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign 7.362+/-32.189 χ^2/NDF: 35.4/41

All: -35.685+/-22.827 χ^2/NDF: 88.4/84

- sign -79.239+/-32.378 χ^2/NDF: 49.3/42

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 150.079+/-0.040 χ^2/NDF: 511203.1/16

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

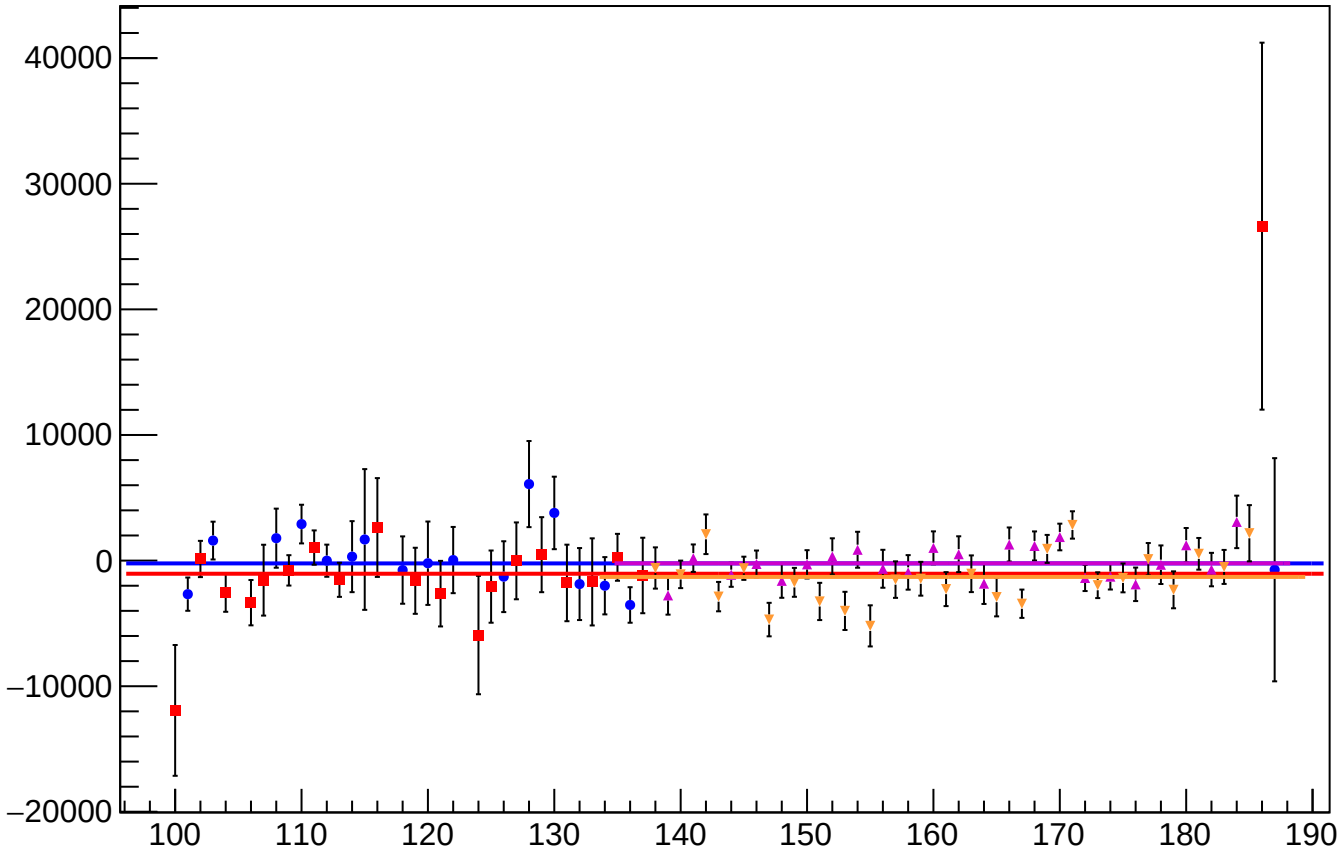
Right Out: 146.372+/-0.039 χ^2/NDF: 1121563.2/19

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 161.231+/-0.023 χ^2/NDF: 2346577.9/41

All: 160.285+/-0.016 χ^2/NDF: 5036616.3/84

- sign 159.327+/-0.023 χ^2/NDF: 2686559.2/42



Right In: -222.880+/-505.381 χ^2/NDF: 21.9/16

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

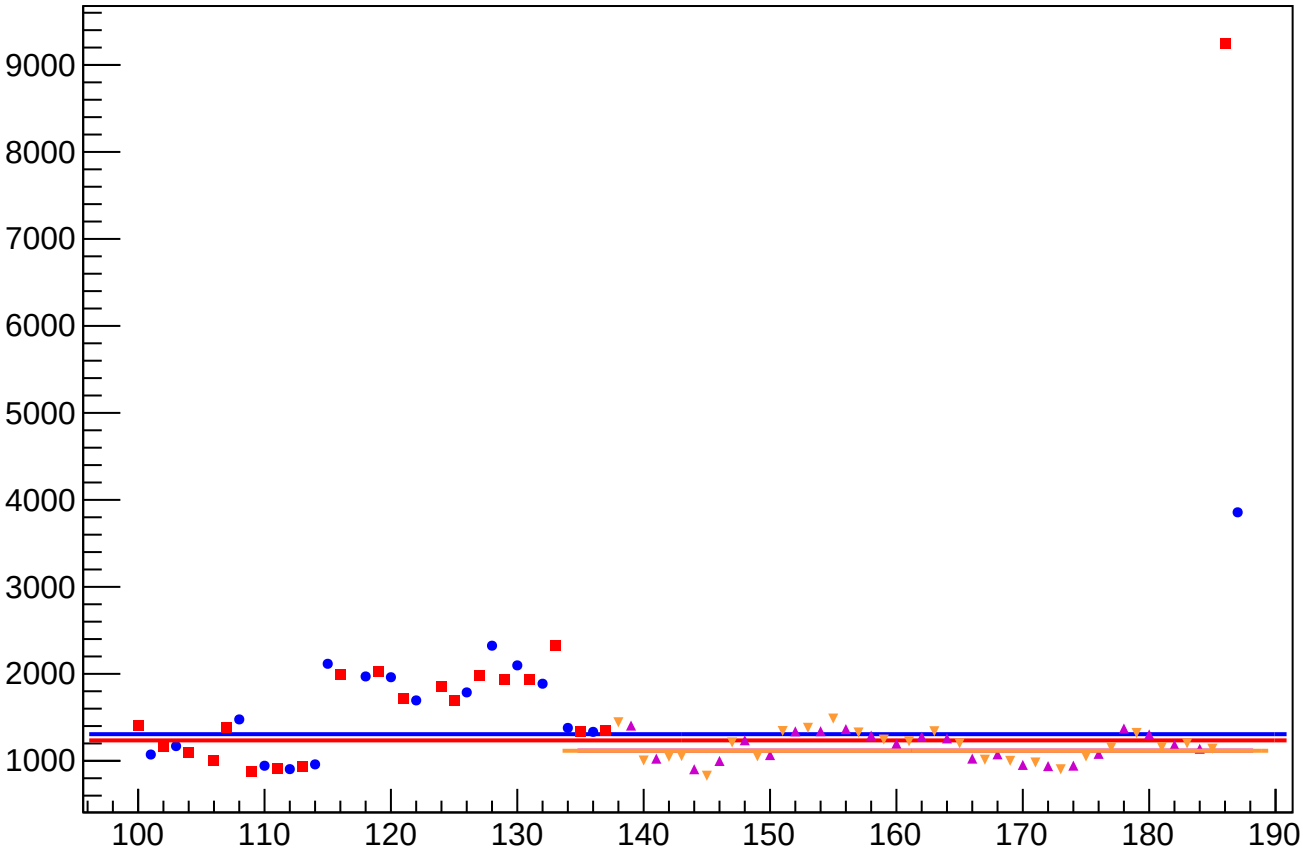
Right Out: -1045.440+/-472.568 χ^2/NDF: 17.2/19

Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1077.415+/-229.053 χ^2/NDF: 80.6/41

All: -748.480+/-162.555 χ^2/NDF: 126.5/84

- sign -414.707+/-230.732 χ^2/NDF: 41.8/42



Right In: 1306.575+/-0.357 χ^2/NDF: 1347559.2/16

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1235.121+/-0.334 χ^2/NDF: 2006730.6/19

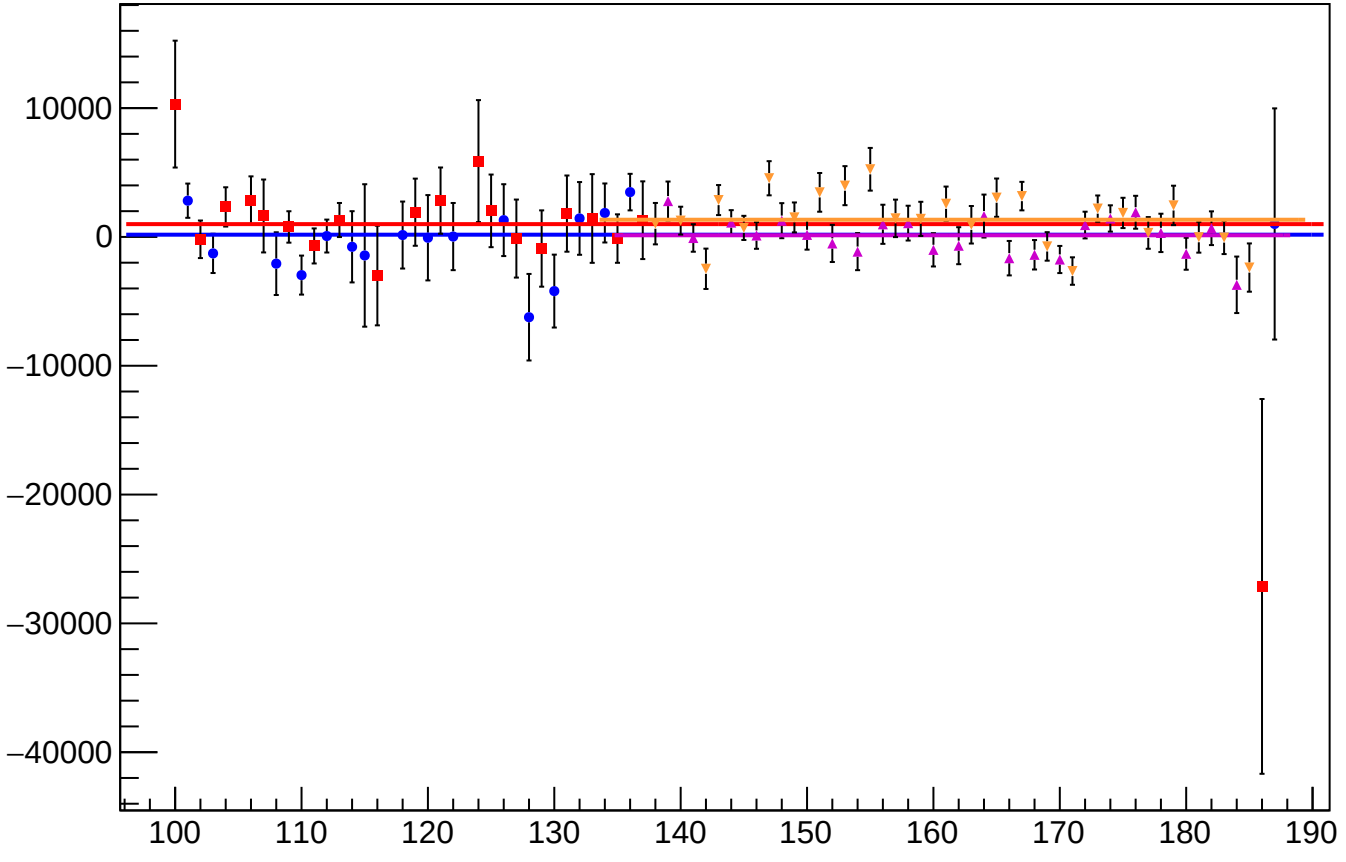
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1155.172+/-0.162 χ^2/NDF: 2440952.1/41

All: 1150.516+/-0.115 χ^2/NDF: 5272570.3/84

- sign 1145.790+/-0.163 χ^2/NDF: 2829952.7/42

asym_sam_48_avg_mean vs Slug



Right In: 173.698+/-504.337 χ^2/NDF: 22.6/16

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 994.091+/-471.760 χ^2/NDF: 15.3/19

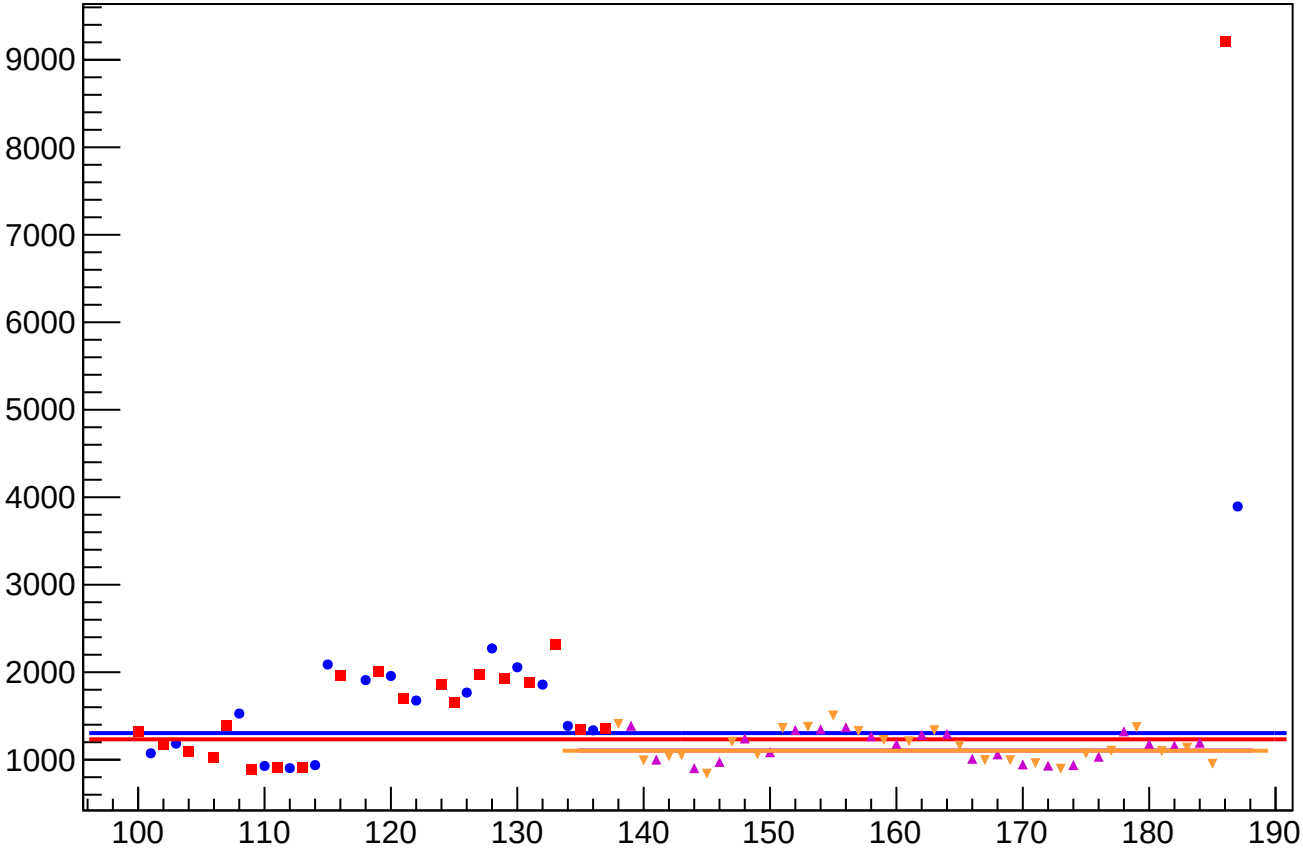
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1099.527+/-226.987 χ^2/NDF: 82.5/41

All: 718.449+/-161.091 χ^2/NDF: 130.0/84

- sign 331.746+/-228.657 χ^2/NDF: 41.9/42

asym_sam_48_avg_rms vs Slug



Right In: 1304.197+/-0.357 χ^2/NDF: 1321417.0/16

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

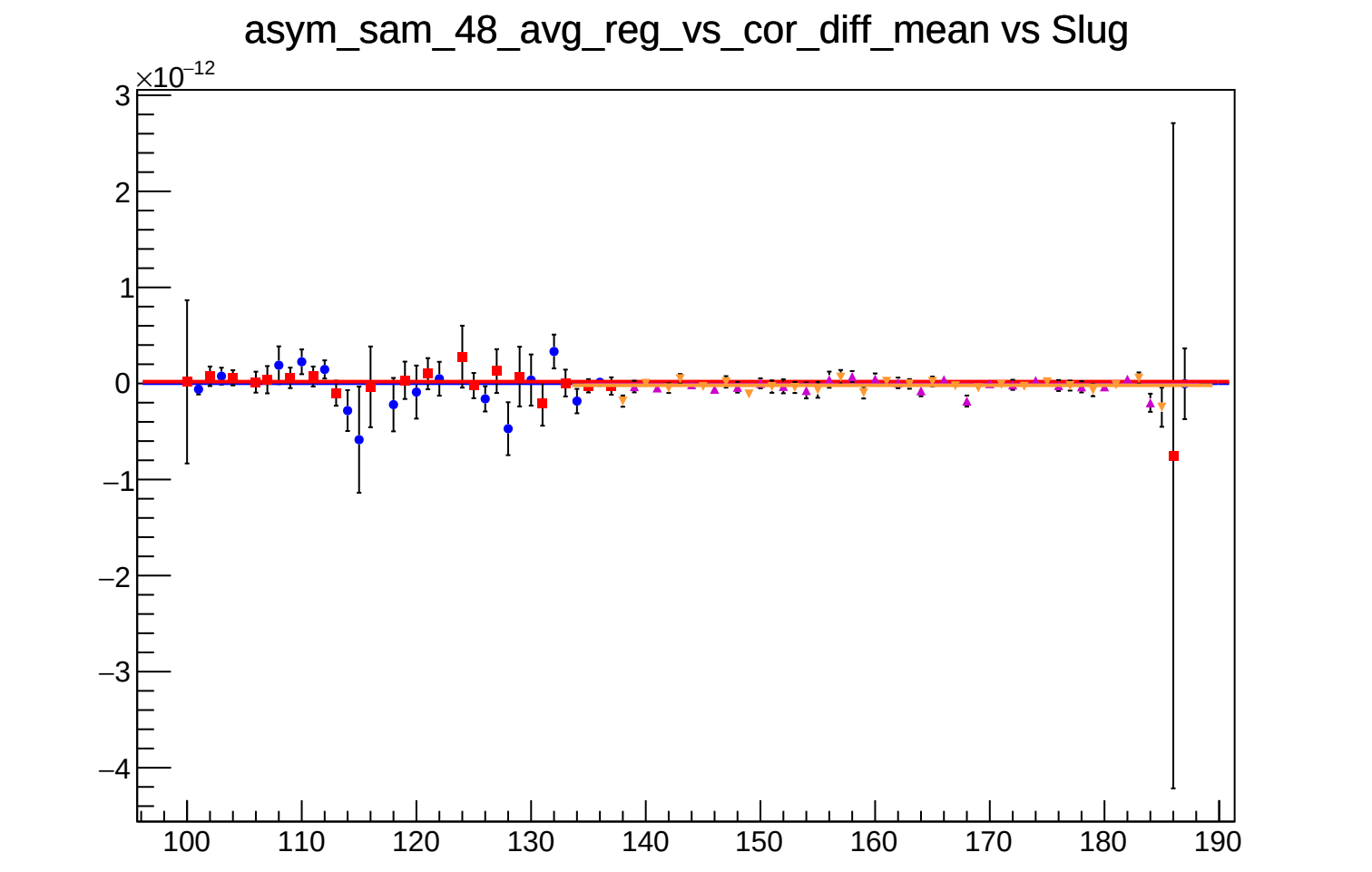
Right Out: 1233.268+/-0.334 χ^2/NDF: 1973039.0/19

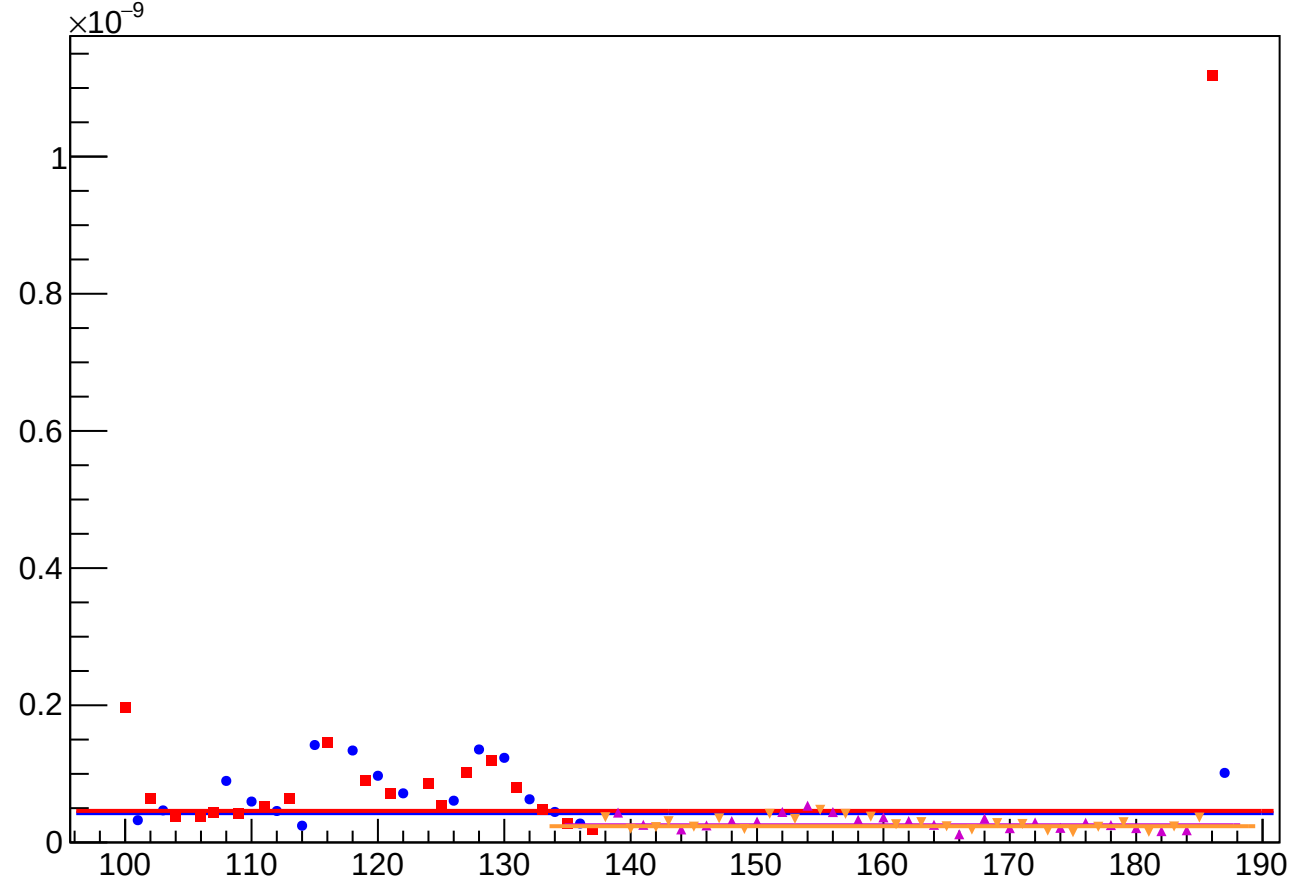
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1143.516+/-0.161 χ^2/NDF: 2456463.2/41

All: 1139.431+/-0.114 χ^2/NDF: 5266877.4/84

- sign 1135.286+/-0.162 χ^2/NDF: 2809109.2/42


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 22.2/16
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4.8/19
Left In: -0.000+/-0.000 χ²/NDF:27.1/22
+ sign -0.000+/-0.000 χ²/NDF: 49.2/41
All: -0.000+/-0.000 χ²/NDF: 82.5/84
- sign -0.000+/-0.000 χ²/NDF: 32.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 1392406.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1310230.9/19

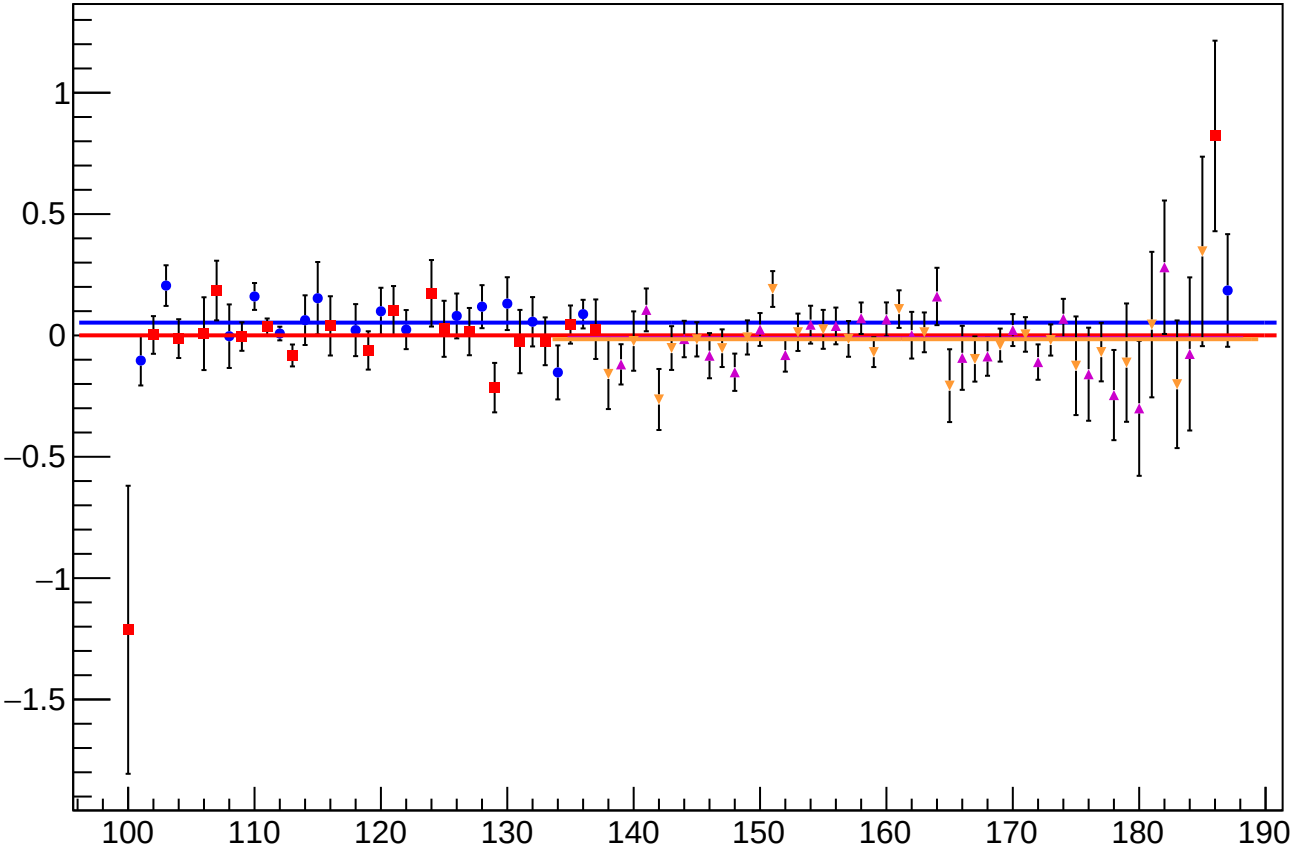
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 3731330.7/41

All: 0.000+/-0.000 χ^2/NDF: 7560718.3/84

- sign 0.000+/-0.000 χ^2/NDF: 3796545.0/42

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.018 χ^2/NDF: 23.6/19

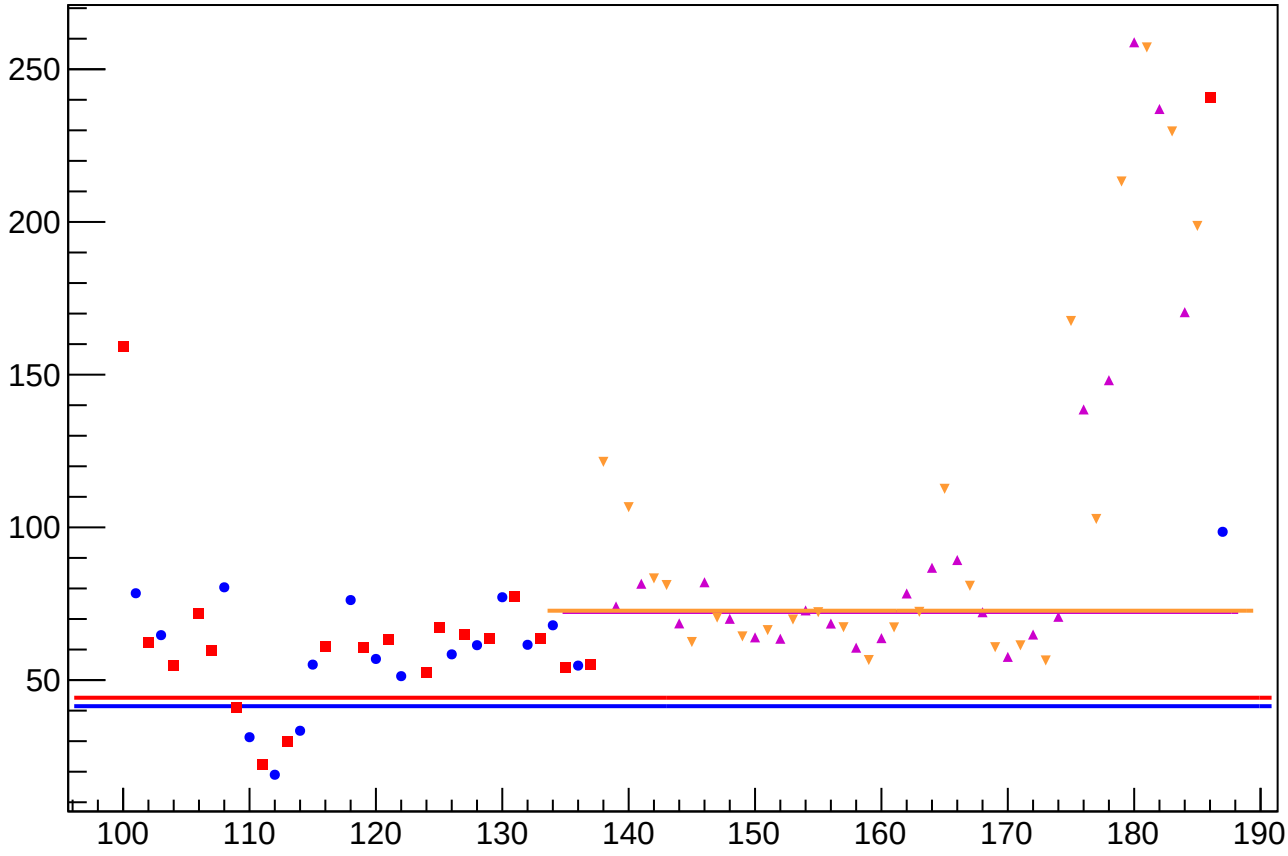
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/41

All: 0.007+/-0.009 χ^2/NDF: 96.3/84

- sign -0.005+/-0.013 χ^2/NDF: 47.2/42

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.455+/-0.013 χ^2/NDF: 3047078.4/16

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

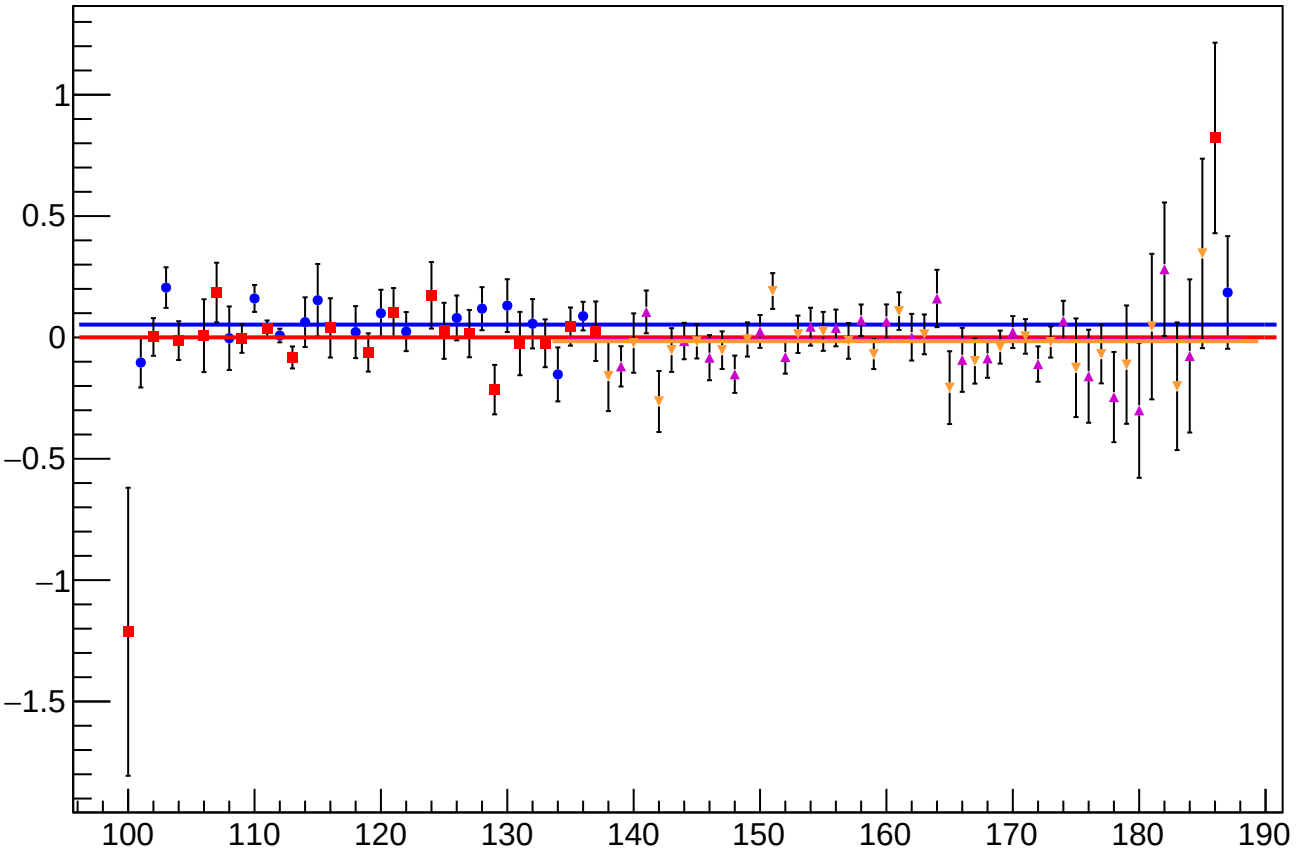
Right Out: 44.223+/-0.013 χ^2/NDF: 2550941.6/19

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 56.874+/-0.009 χ^2/NDF: 10078218.7/41

All: 57.425+/-0.006 χ^2/NDF: 17837544.4/84

- sign 57.992+/-0.009 χ^2/NDF: 7751571.2/42



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

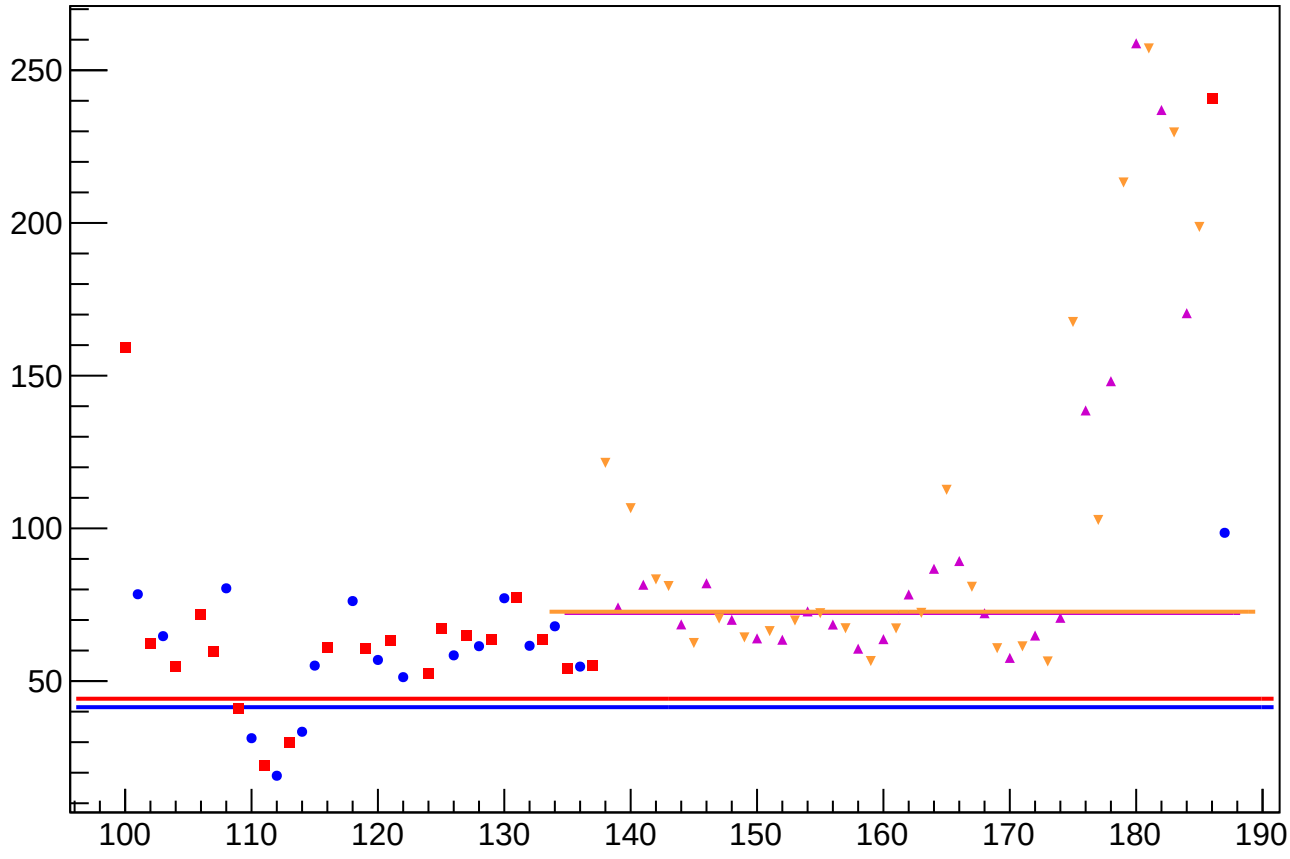
Right Out: 0.000+/-0.018 χ^2/NDF: 23.6/19

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/41

All: 0.007+/-0.009 χ^2/NDF: 96.3/84

- sign -0.005+/-0.013 χ^2/NDF: 47.2/42



Right In: 41.455+/-0.013 χ^2/NDF: 3047078.4/16

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

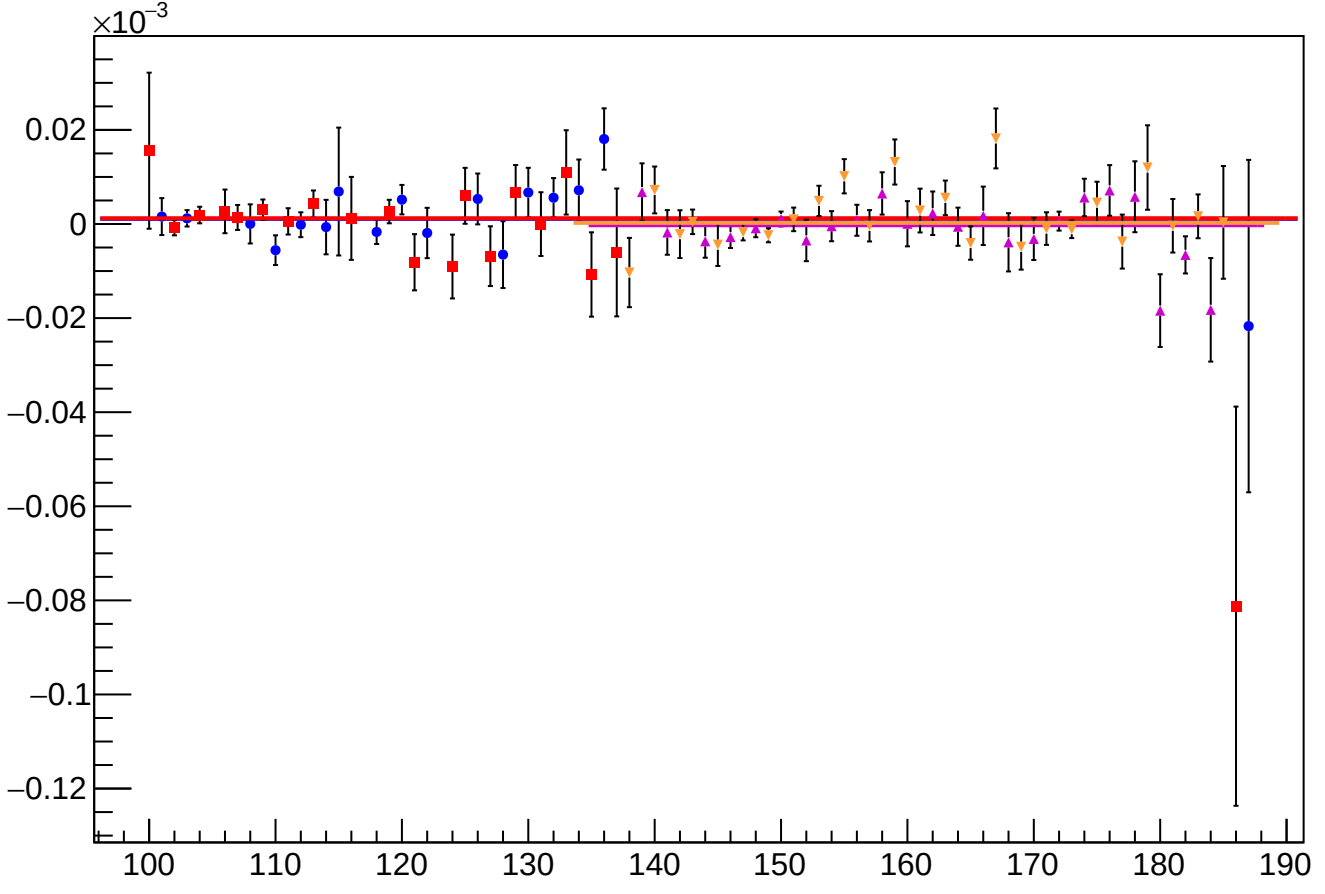
Right Out: 44.223+/-0.013 χ^2/NDF: 2550941.6/19

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 56.874+/-0.009 χ^2/NDF: 10078218.7/41

All: 57.425+/-0.006 χ^2/NDF: 17837544.4/84

- sign 57.992+/-0.009 χ^2/NDF: 7751571.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

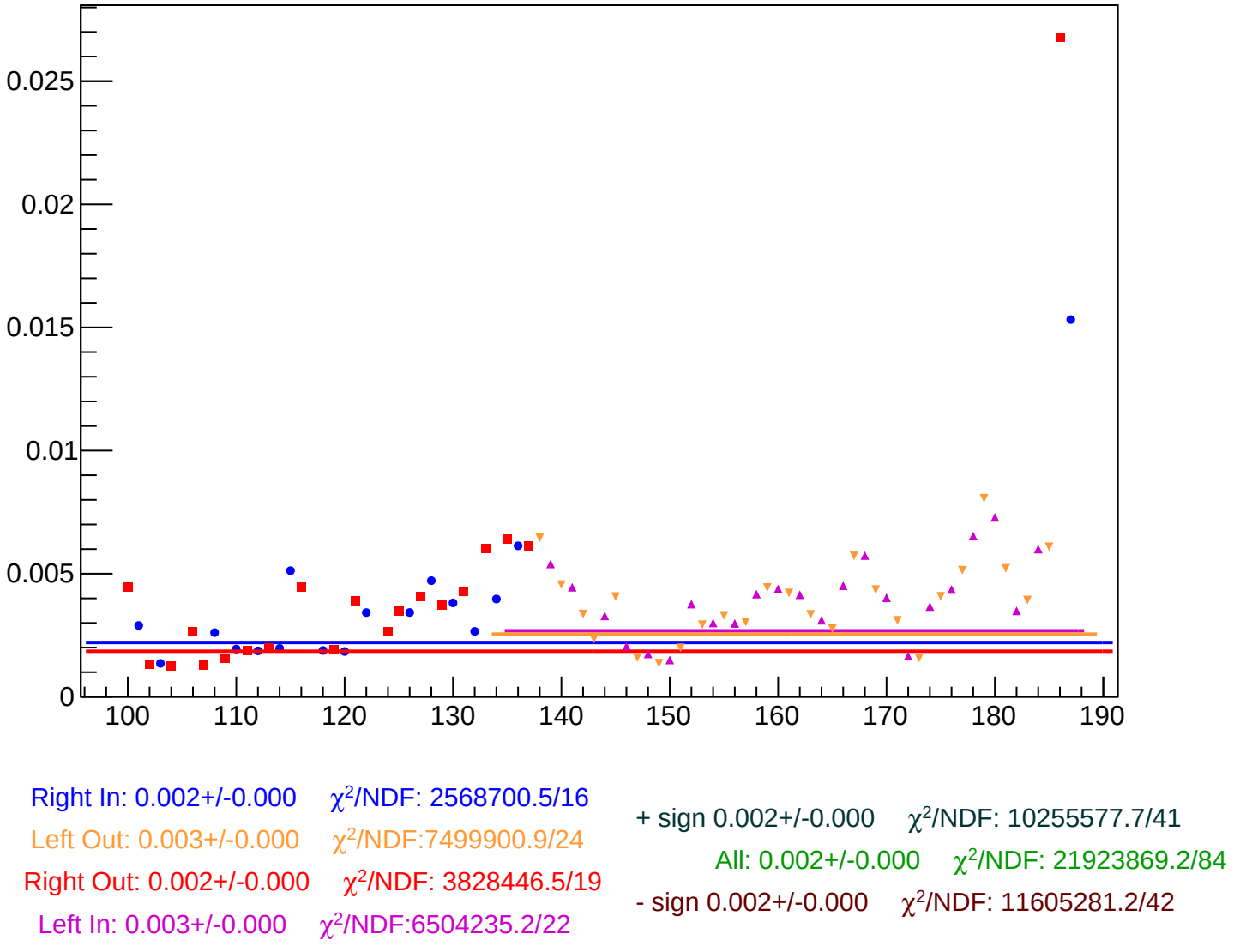
Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/19

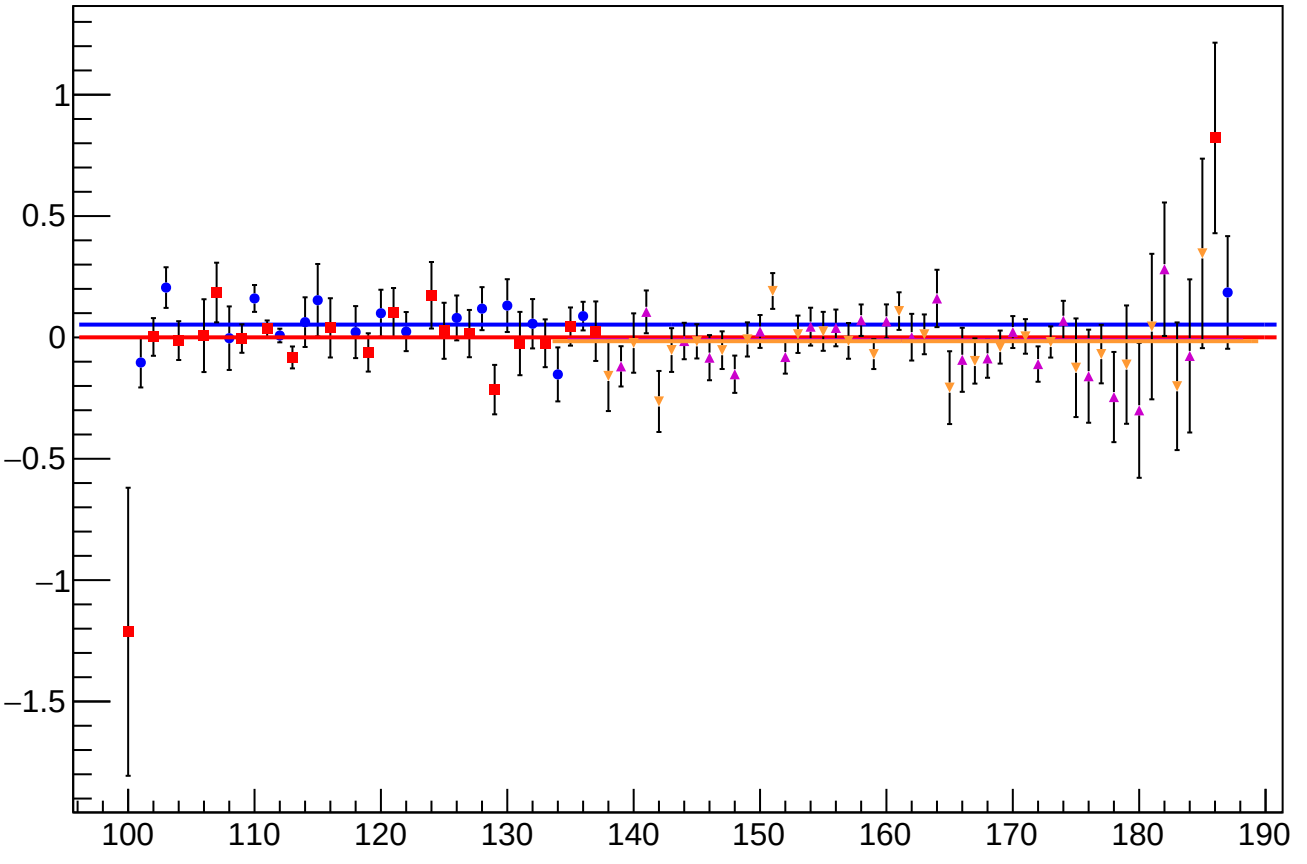
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.3/41

All: 0.000+/-0.000 χ^2/NDF: 110.1/84

- sign 0.000+/-0.000 χ^2/NDF: 45.8/42


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2568700.5/16
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 3828446.5/19
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
+ sign 0.002+/-0.000 χ²/NDF: 10255577.7/41
All: 0.002+/-0.000 χ²/NDF: 21923869.2/84
- sign 0.002+/-0.000 χ²/NDF: 11605281.2/42



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.000+/-0.018 χ^2/NDF: 23.6/19

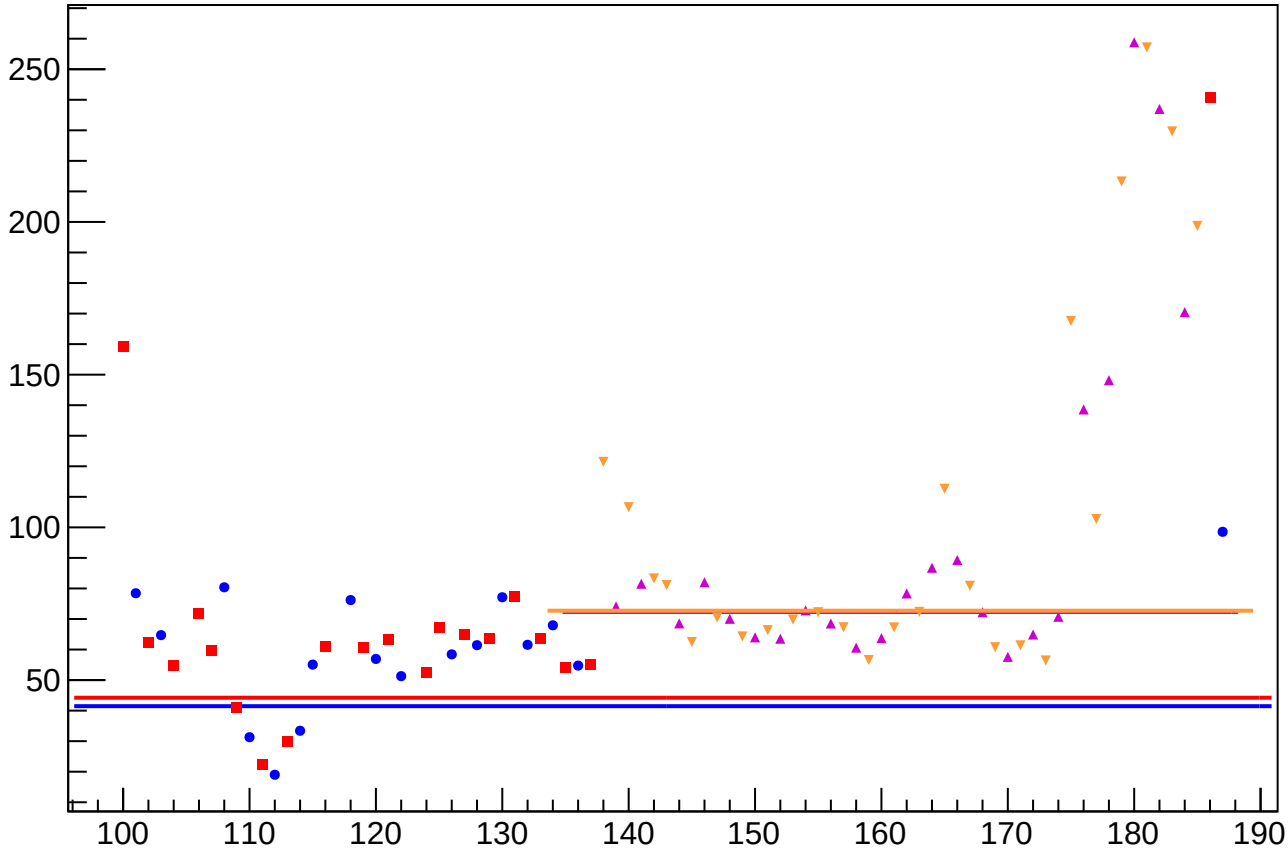
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/41

All: 0.007+/-0.009 χ^2/NDF: 96.3/84

- sign -0.005+/-0.013 χ^2/NDF: 47.2/42

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.454+/-0.013 χ^2/NDF: 3047246.8/16

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

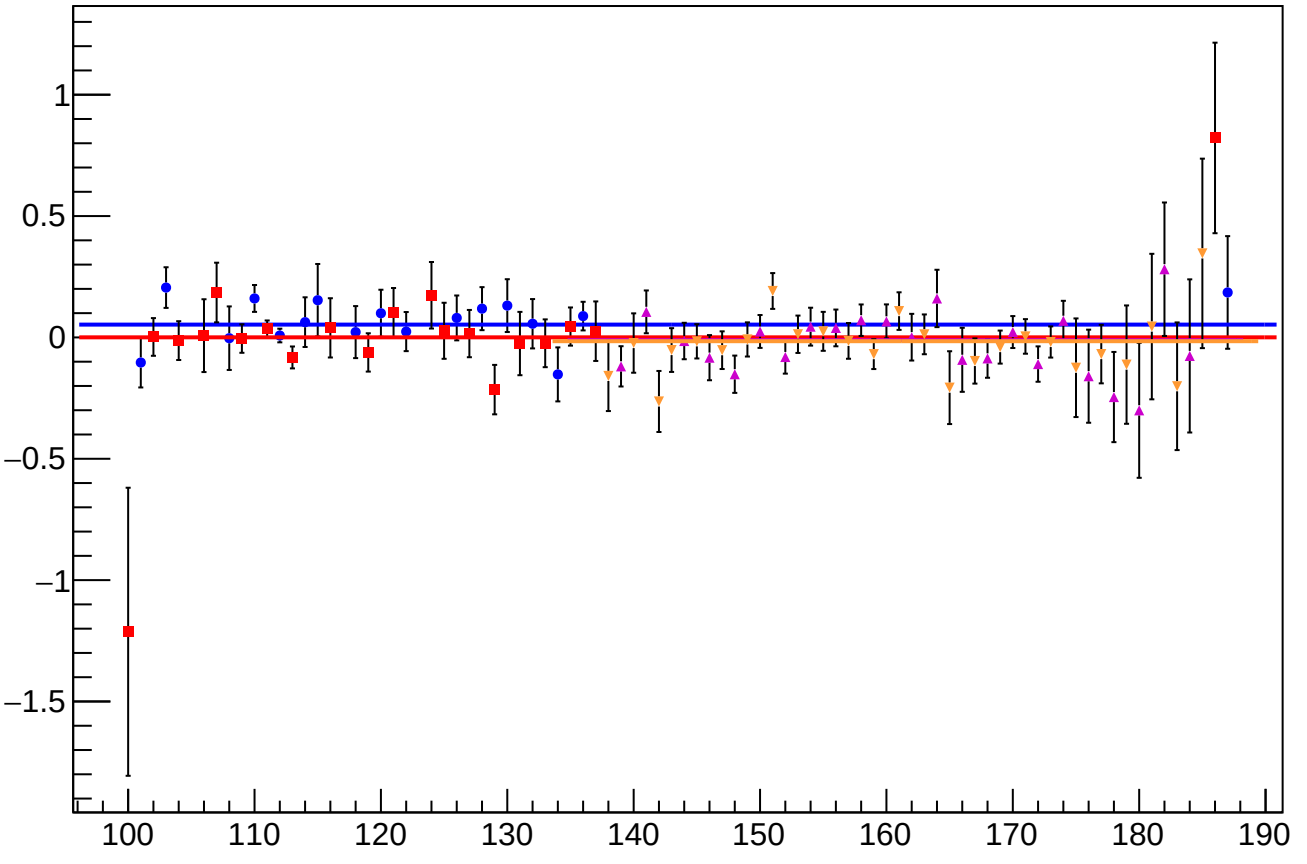
Right Out: 44.223+/-0.013 χ^2/NDF: 2551108.9/19

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.873+/-0.009 χ^2/NDF: 10078653.4/41

All: 57.425+/-0.006 χ^2/NDF: 17838349.3/84

- sign 57.992+/-0.009 χ^2/NDF: 7751940.4/42



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

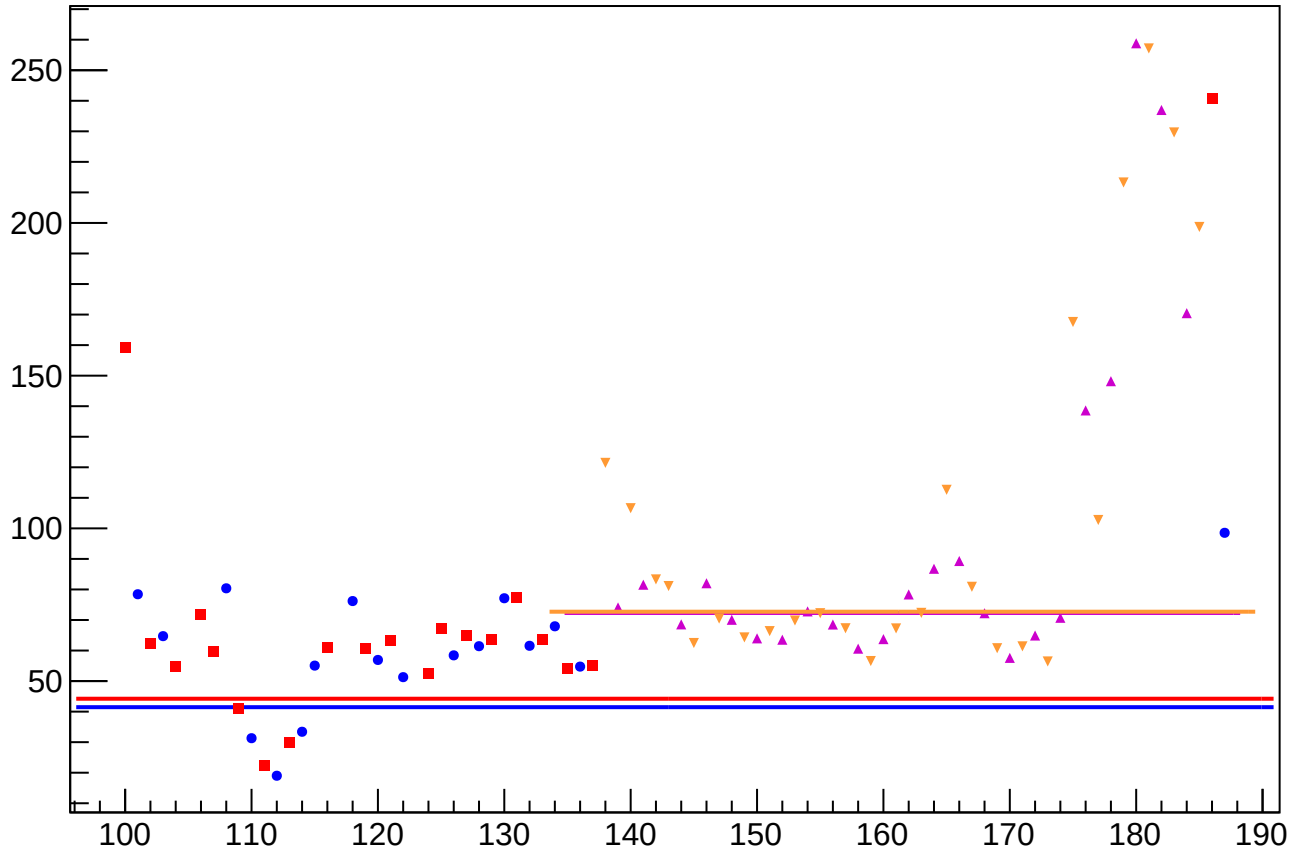
Right Out: 0.000+/-0.018 χ^2/NDF: 23.6/19

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.019+/-0.013 χ^2/NDF: 47.3/41

All: 0.007+/-0.009 χ^2/NDF: 96.3/84

- sign -0.005+/-0.013 χ^2/NDF: 47.2/42



Right In: 41.454+/-0.013 χ^2/NDF: 3047246.8/16

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

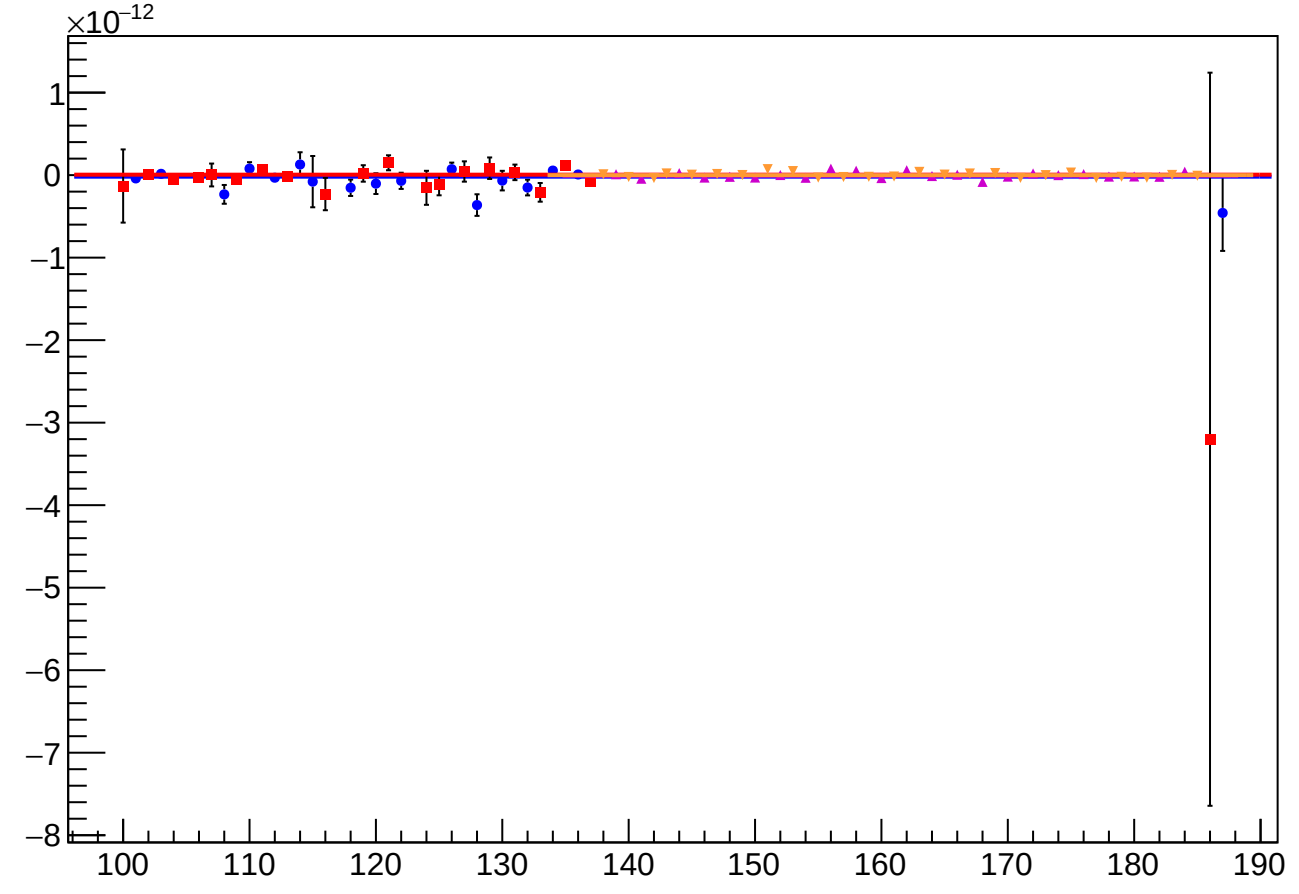
Right Out: 44.223+/-0.013 χ^2/NDF: 2551108.9/19

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 56.873+/-0.009 χ^2/NDF: 10078653.4/41

All: 57.425+/-0.006 χ^2/NDF: 17838349.3/84

- sign 57.992+/-0.009 χ^2/NDF: 7751940.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

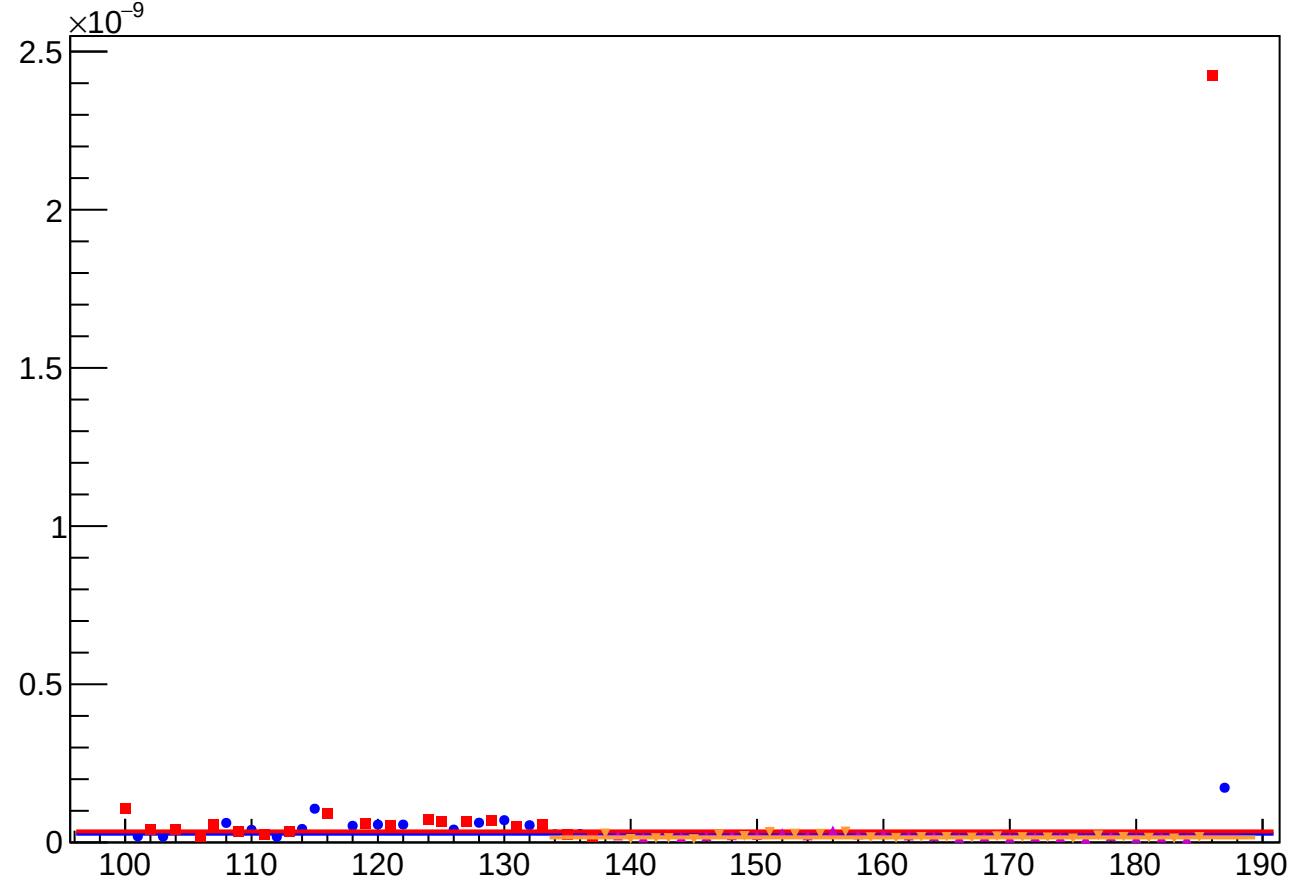
Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/19

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.2/41

All: -0.000+/-0.000 χ^2/NDF: 115.9/84

- sign -0.000+/-0.000 χ^2/NDF: 62.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1999504.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2255193.3/19

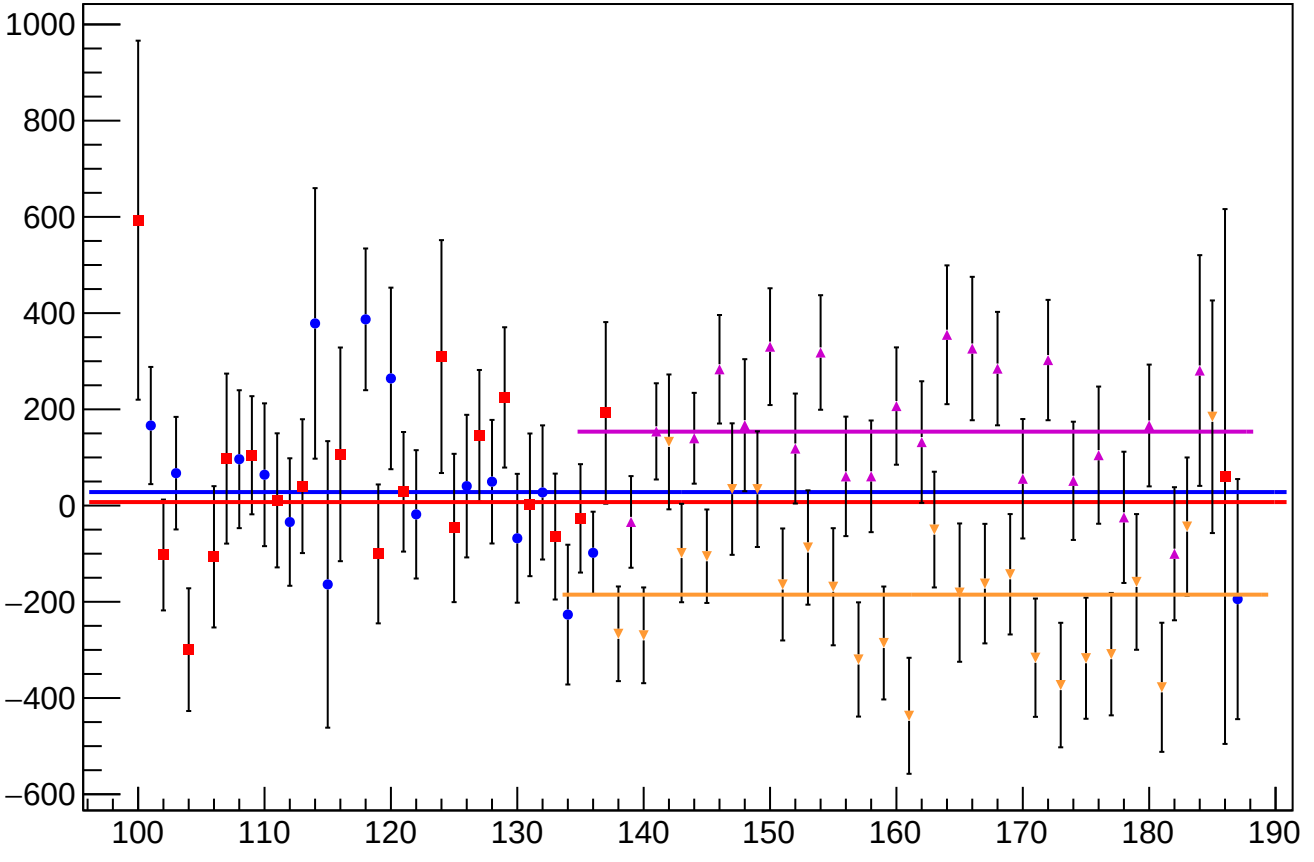
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5552493.8/41

All: 0.000+/-0.000 χ^2/NDF: 11591863.0/84

- sign 0.000+/-0.000 χ^2/NDF: 5699893.8/42

reg_asym_sam_15_dd_mean vs Slug



Right In: 28.062+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 7.263+/-33.360 χ^2/NDF: 17.8/19

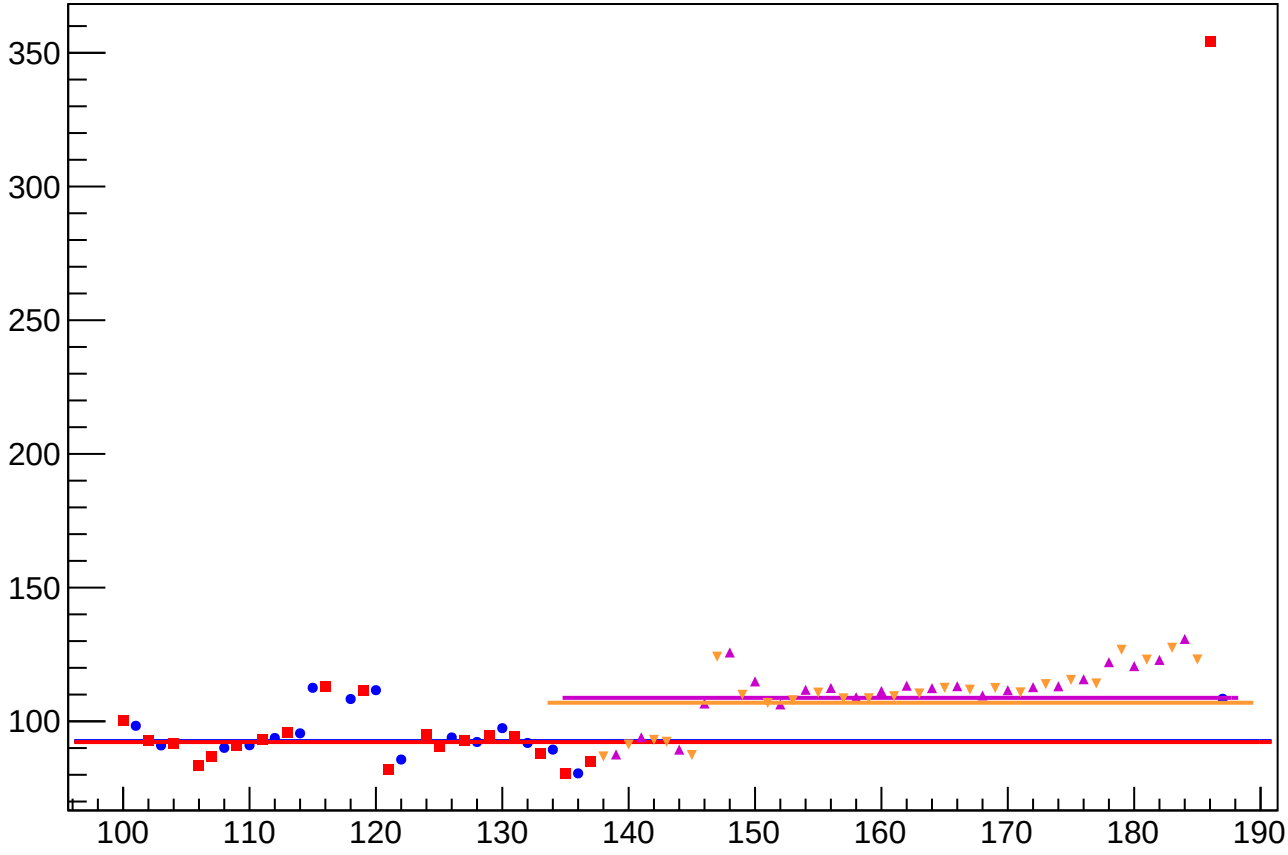
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -112.759+/-19.873 χ^2/NDF: 77.0/41

All: -8.752+/-14.193 χ^2/NDF: 186.3/84

- sign 99.545+/-20.278 χ^2/NDF: 53.4/42

reg_asym_sam_15_dd_rms vs Slug



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 92.241+/-0.024 χ^2/NDF: 550782.0/19

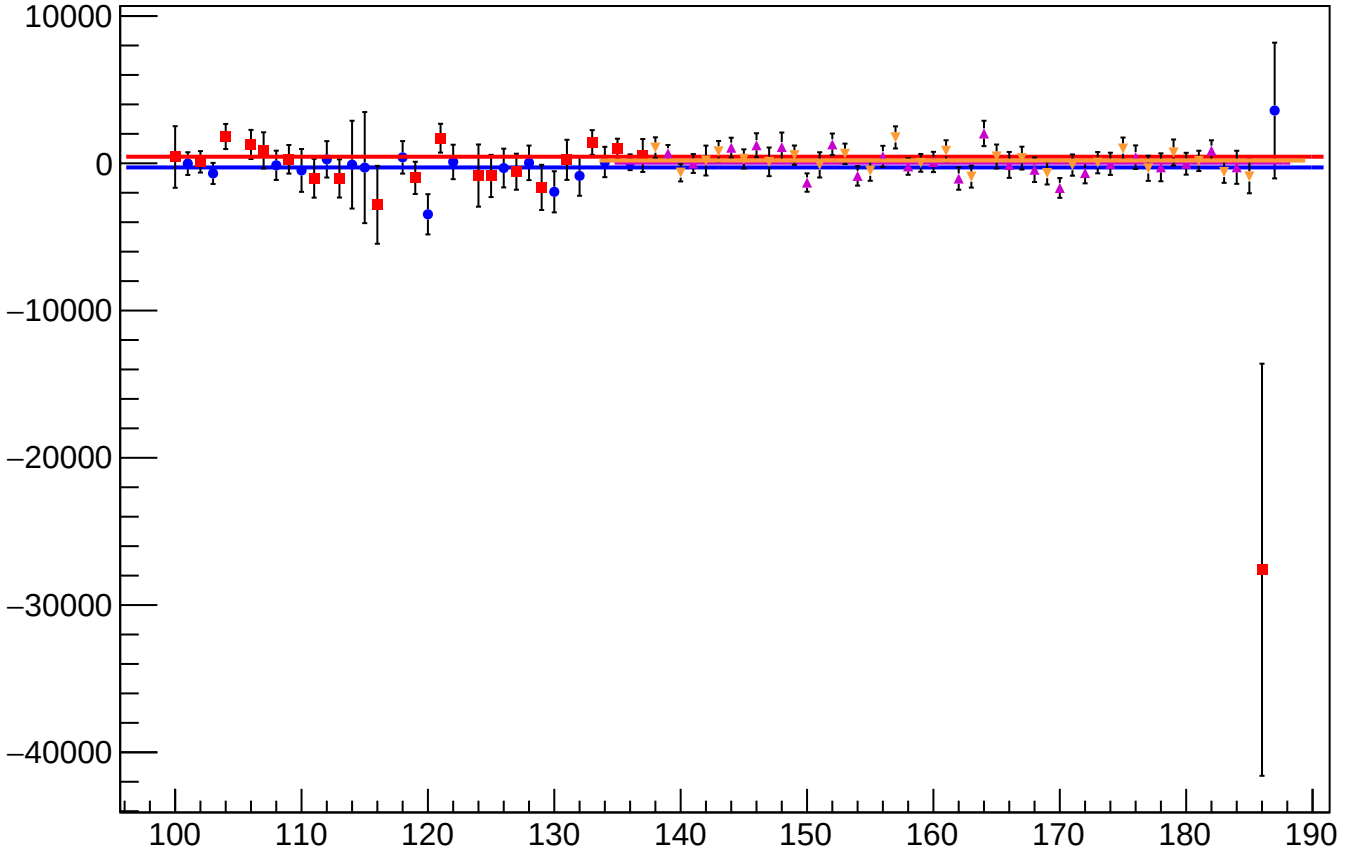
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

\+ sign 102.082+/-0.014 χ^2/NDF: 813400.0/41

All: 102.369+/-0.010 χ^2/NDF: 2033462.5/84

\- sign 102.669+/-0.014 χ^2/NDF: 1219207.4/42

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -280.495+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 446.969+/-248.677 χ^2/NDF: 20.9/19

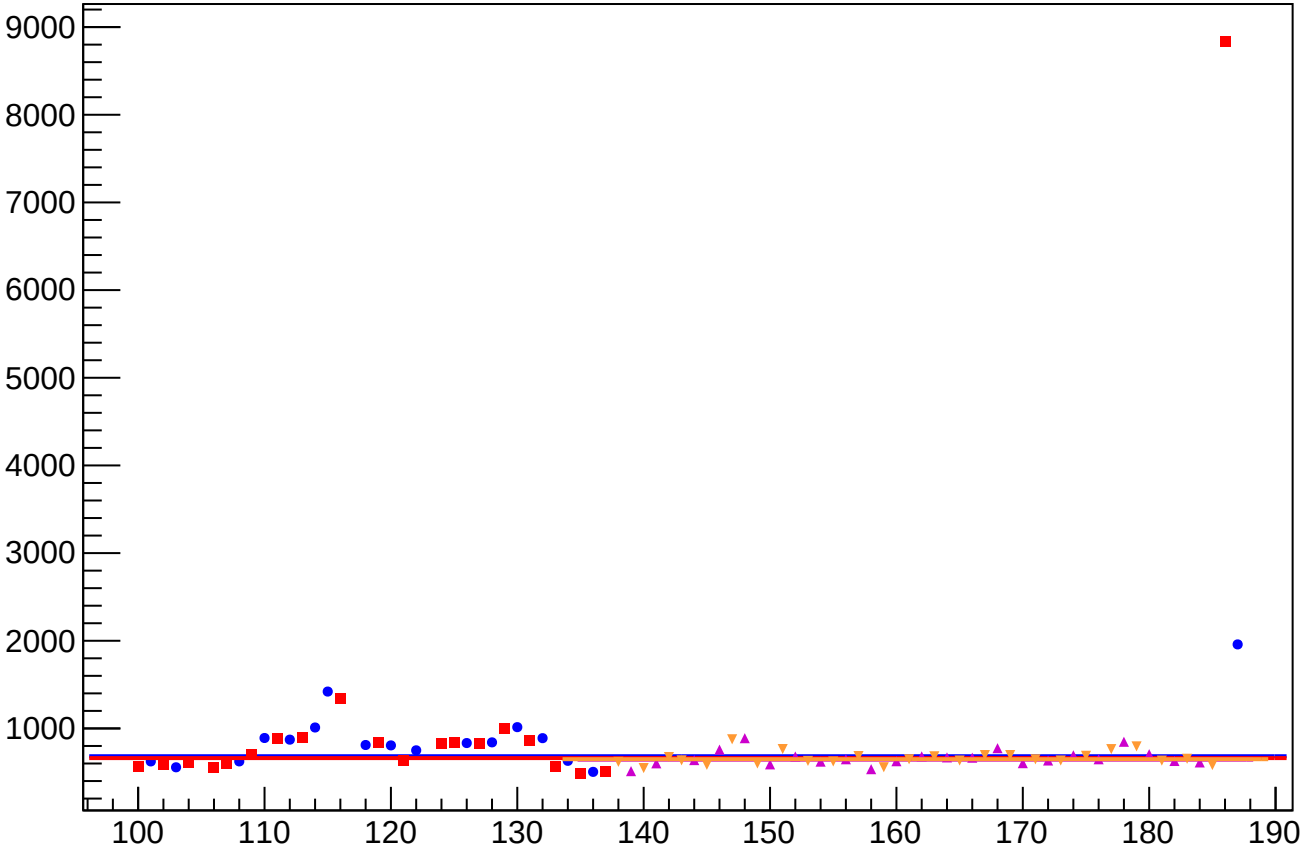
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 70.744+/-129.070 χ^2/NDF: 31.0/41

All: 111.722+/-91.498 χ^2/NDF: 87.7/84

- sign 153.119+/-129.728 χ^2/NDF: 56.5/42

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 683.052+/-0.183 χ^2/NDF: 921613.3/16

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 661.715+/-0.176 χ^2/NDF: 1478417.2/19

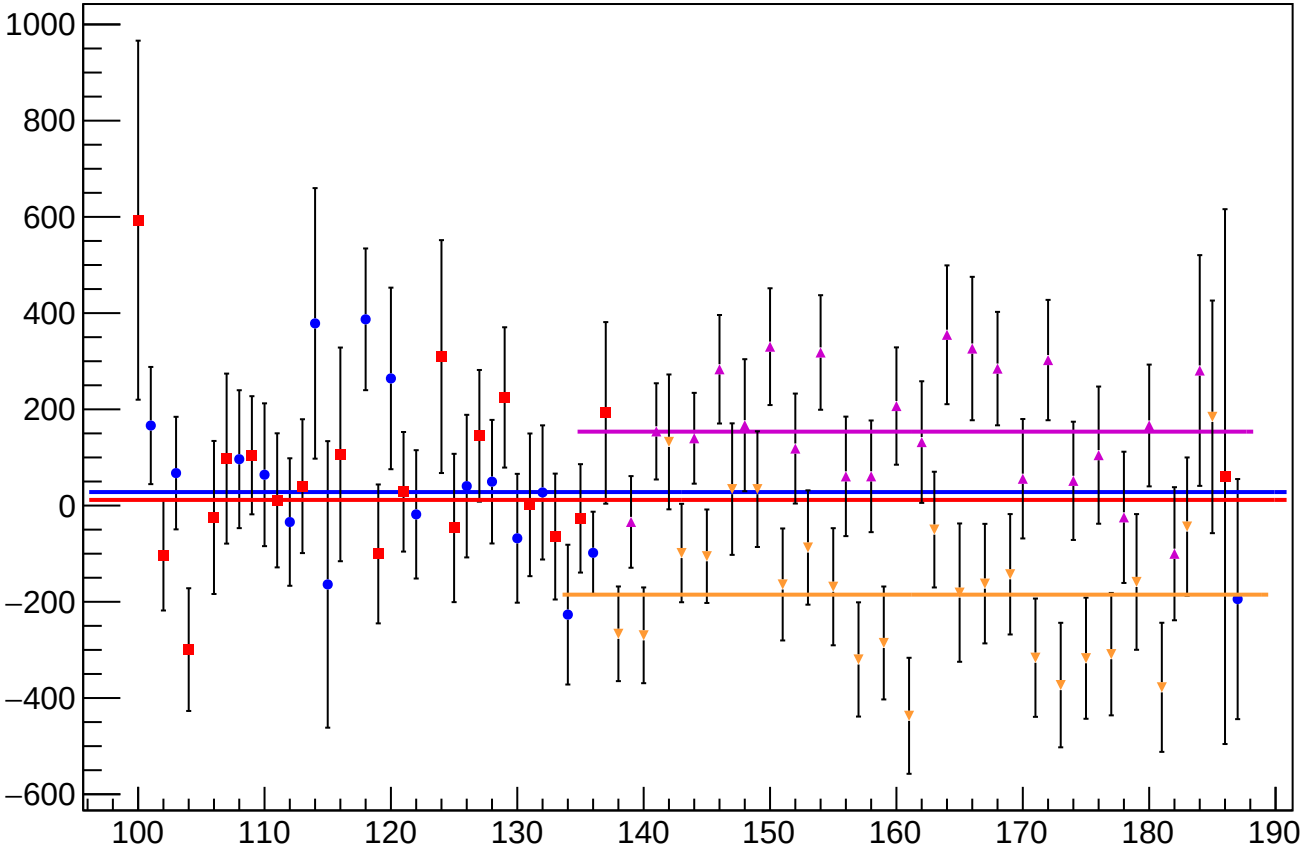
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 657.580+/-0.091 χ^2/NDF: 1365638.2/41

All: 653.249+/-0.065 χ^2/NDF: 3415029.9/84

- sign 648.874+/-0.092 χ^2/NDF: 2044864.6/42

cor_asym_sam_15_dd_mean vs Slug



Right In: 28.077+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 11.752+/-33.488 χ^2/NDF: 17.2/19

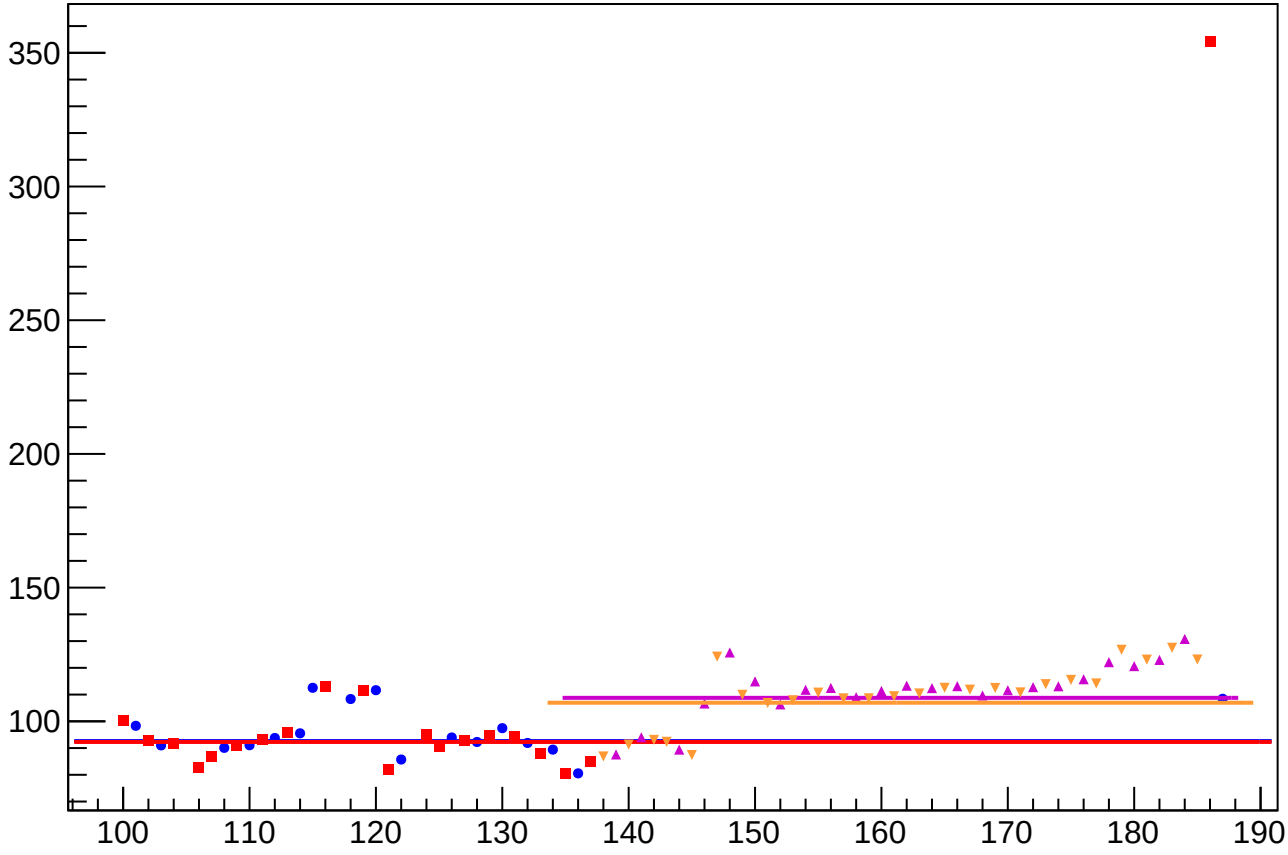
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.756+/-19.873 χ^2/NDF: 77.0/41

All: -7.963+/-14.203 χ^2/NDF: 185.9/84

- sign 101.460+/-20.307 χ^2/NDF: 52.1/42

cor_asym_sam_15_dd_rms vs Slug



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 92.286+/-0.024 χ^2/NDF: 550461.3/19

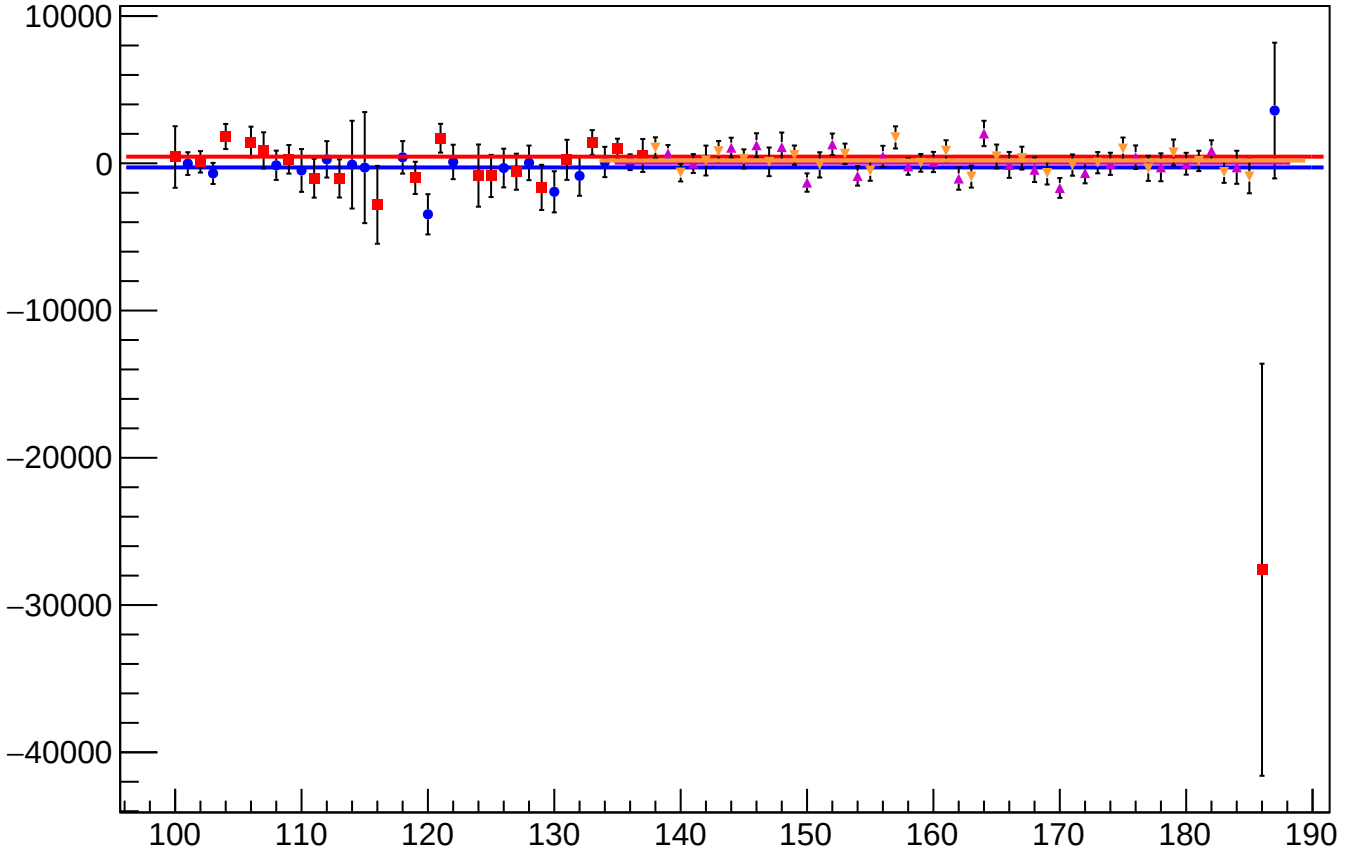
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 102.082+/-0.014 χ^2/NDF: 813399.9/41

All: 102.392+/-0.010 χ^2/NDF: 2030091.7/84

\- sign 102.715+/-0.014 χ^2/NDF: 1215698.2/42

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -280.492+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 450.674+/-249.503 χ^2/NDF: 21.1/19

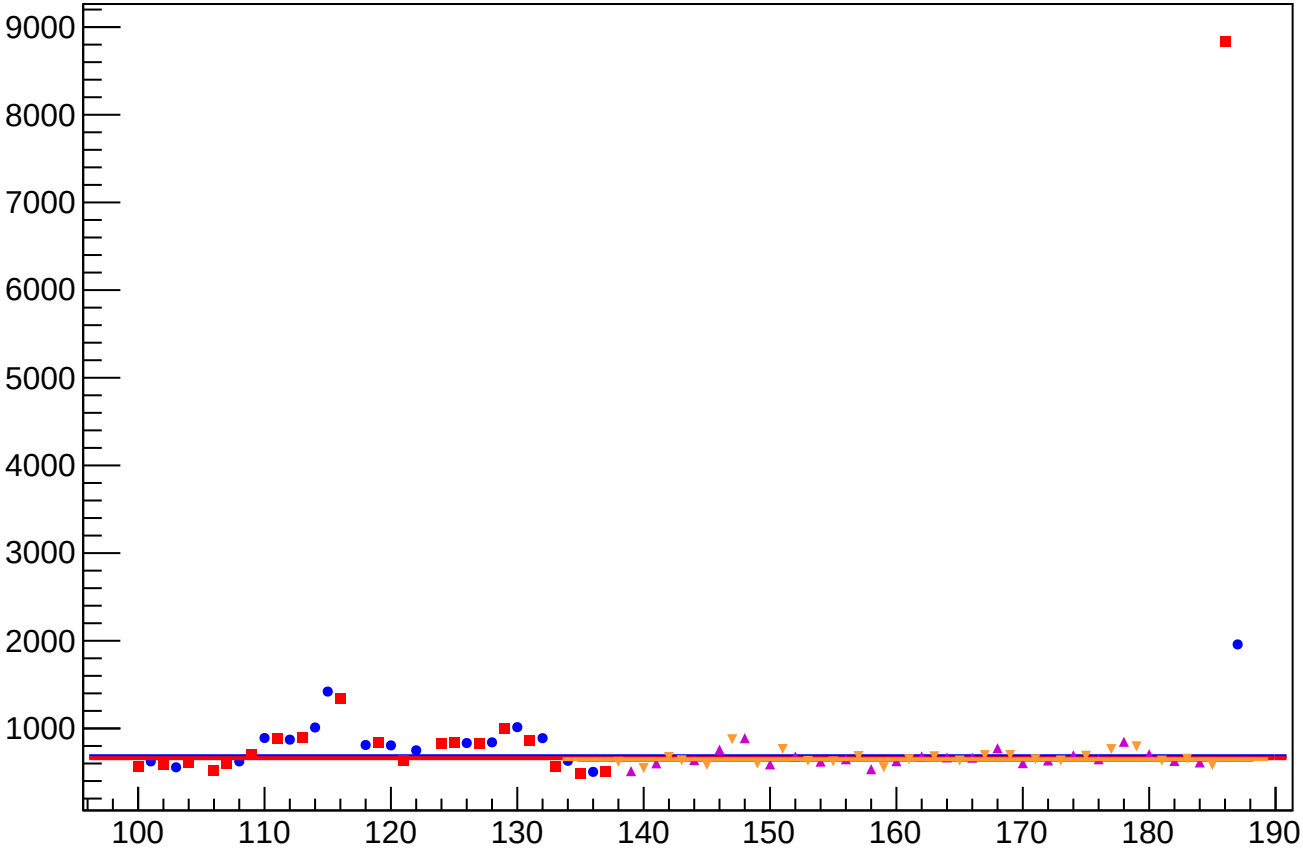
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

\+ sign 70.740+/-129.070 χ^2/NDF: 31.0/41

All: 111.919+/-91.539 χ^2/NDF: 88.0/84

\- sign 153.594+/-129.845 χ^2/NDF: 56.7/42

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 683.051+/-0.183 χ^2/NDF: 921615.7/16

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 660.861+/-0.176 χ^2/NDF: 1488581.7/19

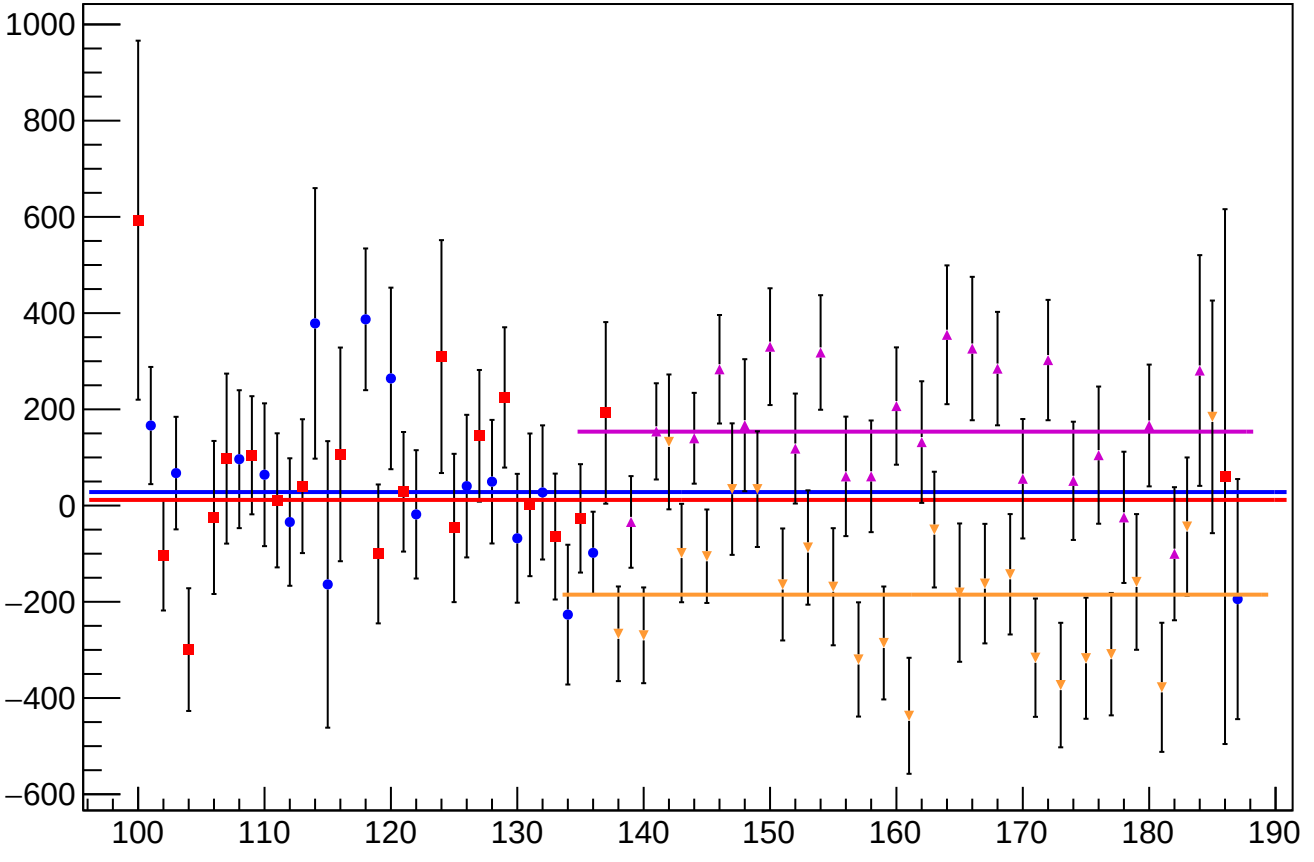
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 657.580+/-0.091 χ^2/NDF: 1365640.3/41

All: 653.127+/-0.065 χ^2/NDF: 3424737.6/84

- sign 648.619+/-0.092 χ^2/NDF: 2054305.9/42

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: 28.077+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 11.752+/-33.488 χ^2/NDF: 17.2/19

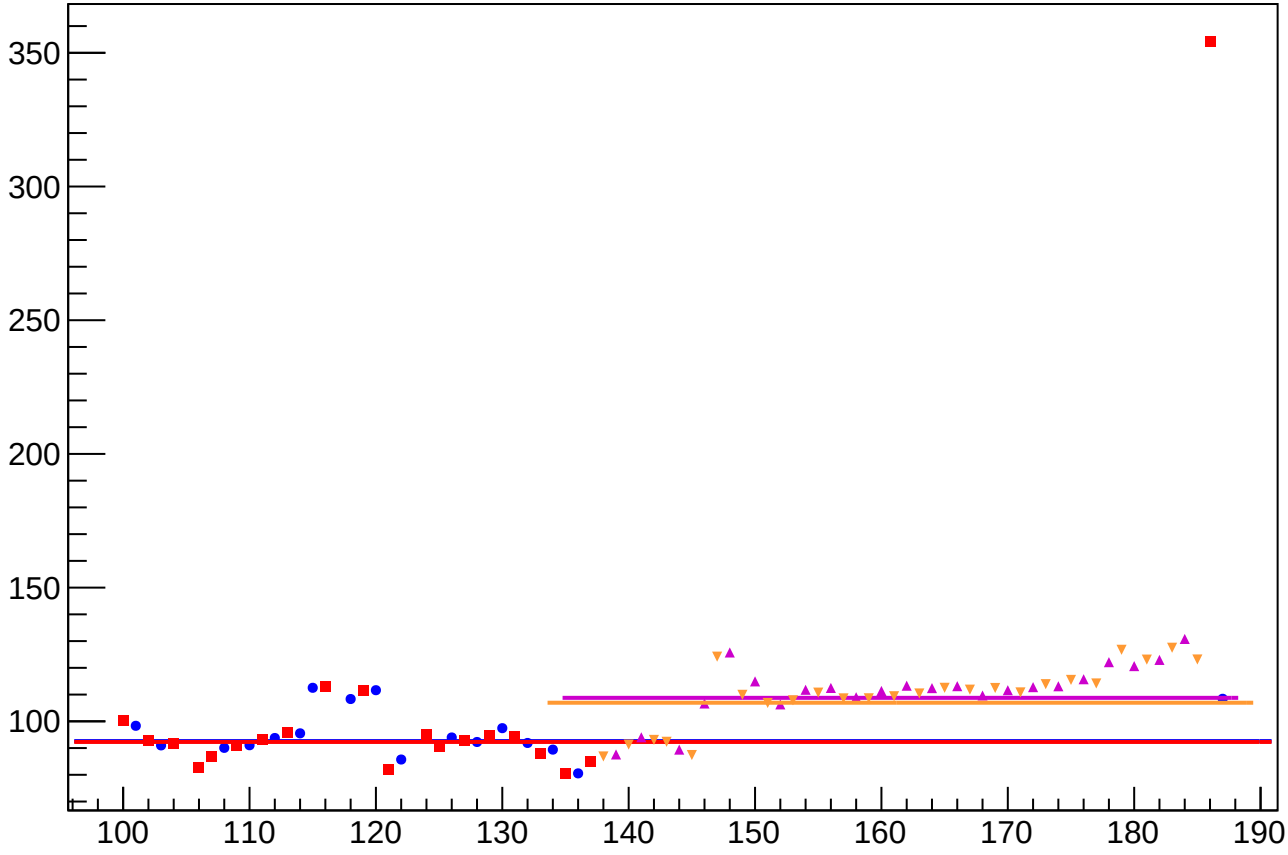
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -112.756+/-19.873 χ^2/NDF: 77.0/41

All: -7.963+/-14.203 χ^2/NDF: 185.9/84

- sign 101.460+/-20.307 χ^2/NDF: 52.1/42

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

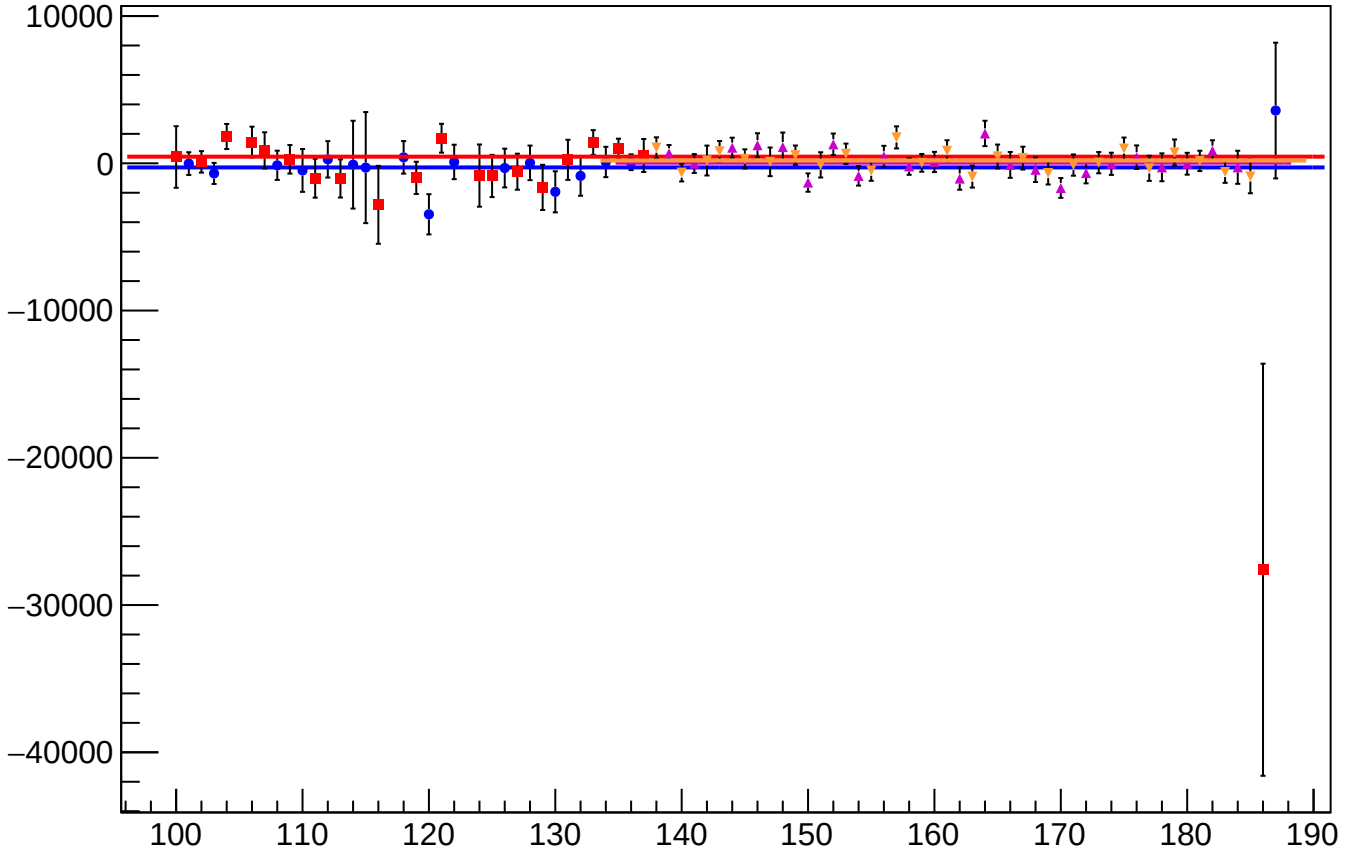
Right Out: 92.286+/-0.024 χ^2/NDF: 550461.3/19

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 102.082+/-0.014 χ^2/NDF: 813399.9/41

All: 102.392+/-0.010 χ^2/NDF: 2030091.7/84

- sign 102.715+/-0.014 χ^2/NDF: 1215698.2/42



Right In: -280.492+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 450.674+/-249.503 χ^2/NDF: 21.1/19

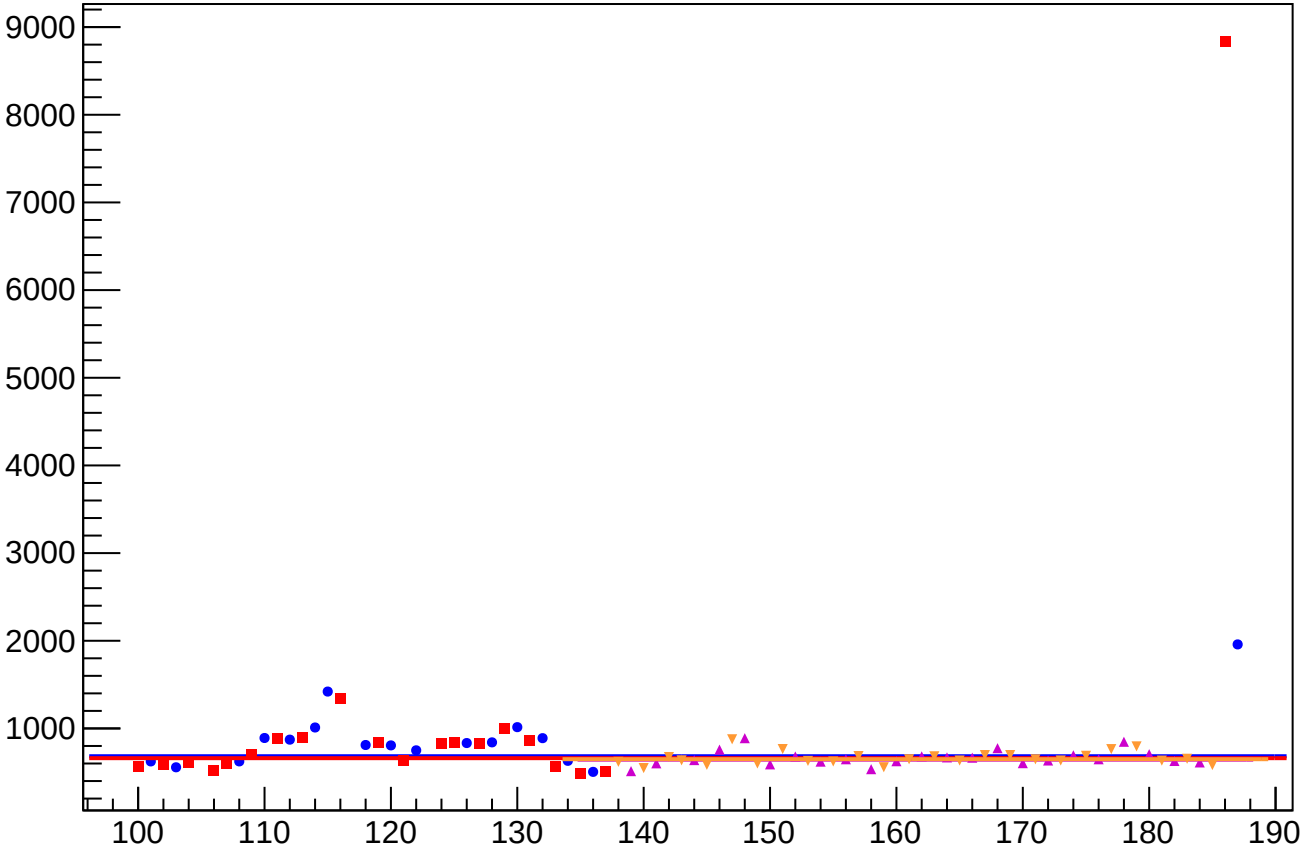
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

\+ sign 70.740+/-129.070 χ^2/NDF: 31.0/41

All: 111.919+/-91.539 χ^2/NDF: 88.0/84

\- sign 153.594+/-129.845 χ^2/NDF: 56.7/42

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 683.051+/-0.183 χ^2/NDF: 921615.7/16

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 660.861+/-0.176 χ^2/NDF: 1488581.7/19

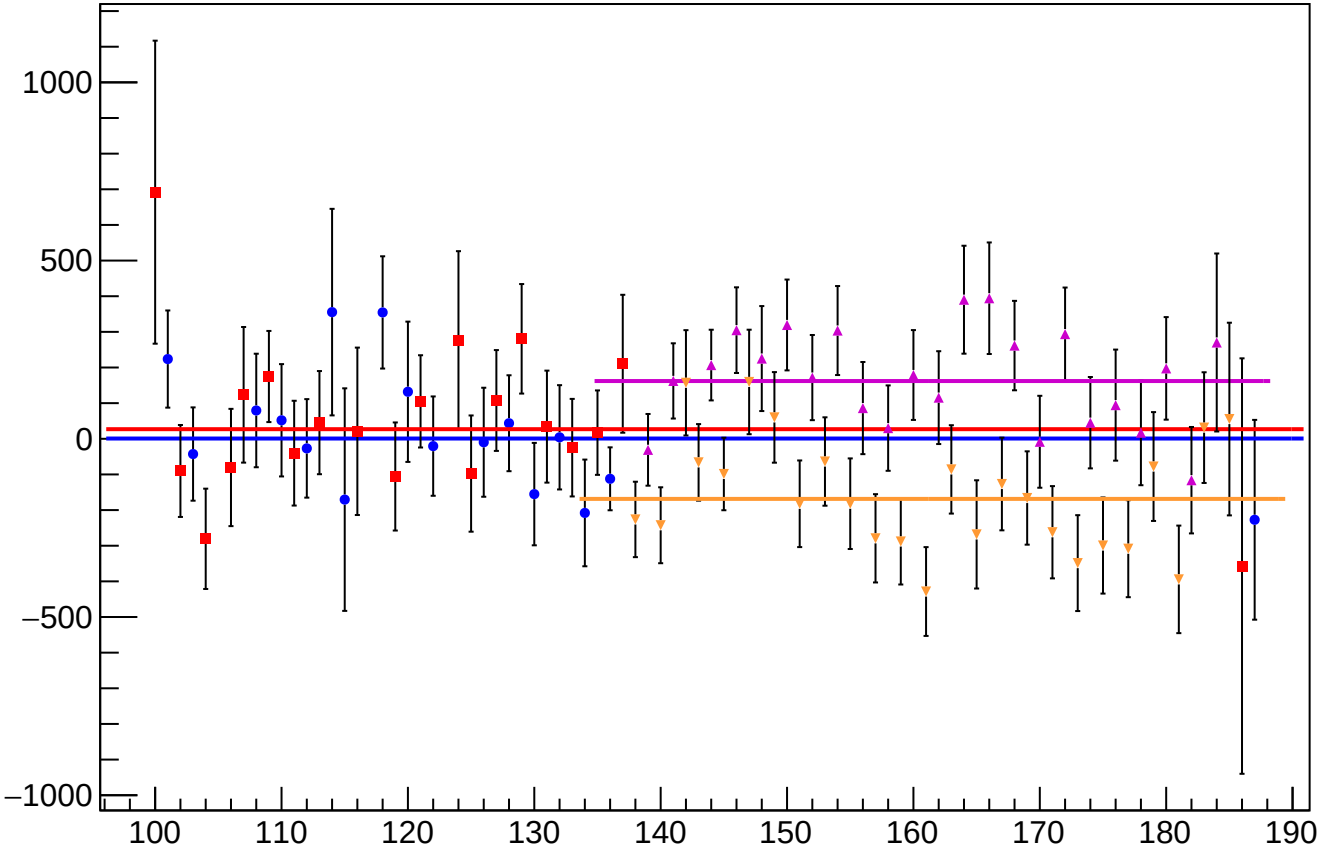
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 657.580+/-0.091 χ^2/NDF: 1365640.3/41

All: 653.127+/-0.065 χ^2/NDF: 3424737.6/84

- sign 648.619+/-0.092 χ^2/NDF: 2054305.9/42

dit_asym_sam_15_dd_mean vs Slug



Right In: 0.750+/-36.203 χ^2/NDF: 16.0/16

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 26.985+/-35.399 χ^2/NDF: 17.5/19

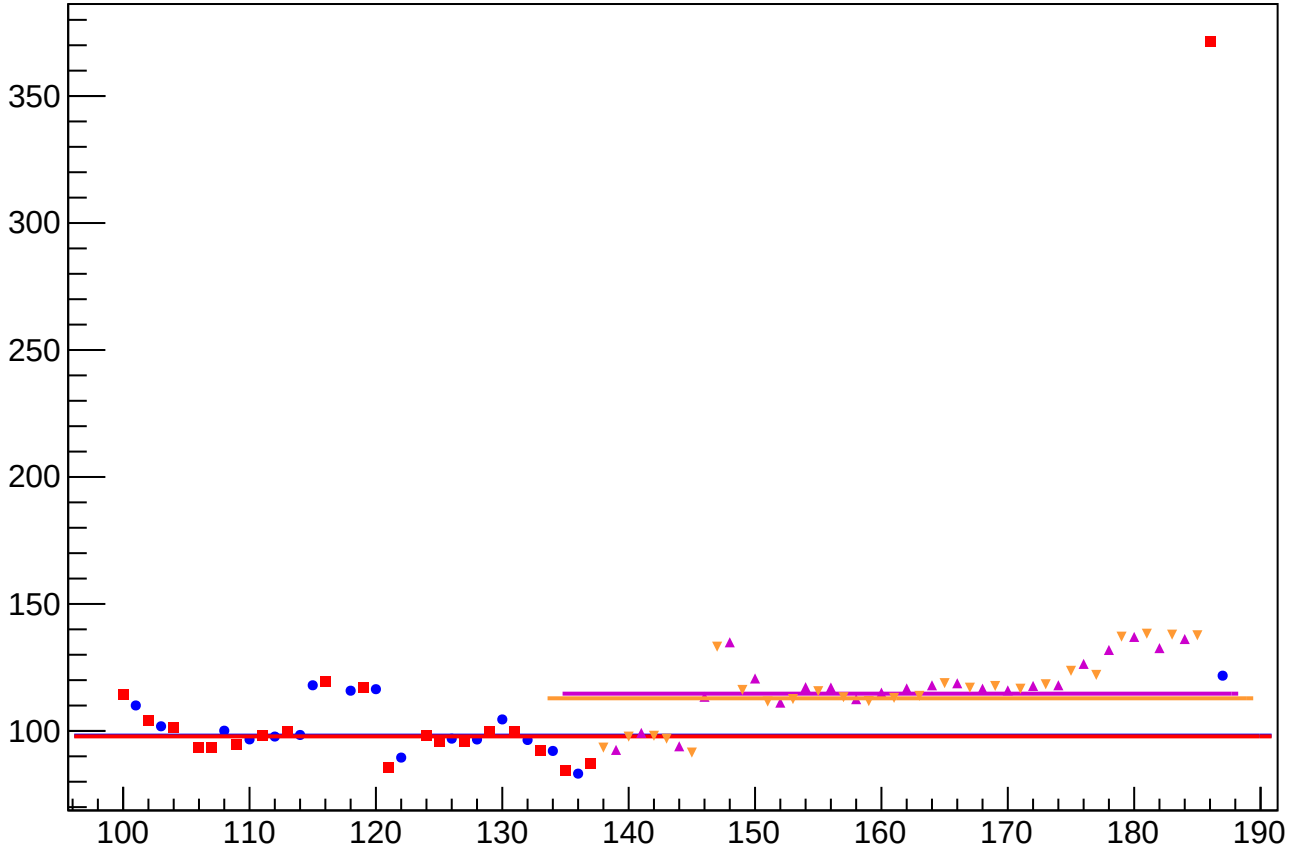
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -111.527+/-21.021 χ^2/NDF: 62.9/41

All: -1.741+/-15.011 χ^2/NDF: 168.9/84

- sign 112.483+/-21.442 χ^2/NDF: 50.3/42

dit_asym_sam_15_dd_rms vs Slug



Right In: 98.157+/-0.026 χ^2/NDF: 155080.8/16

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.853+/-0.025 χ^2/NDF: 557380.0/19

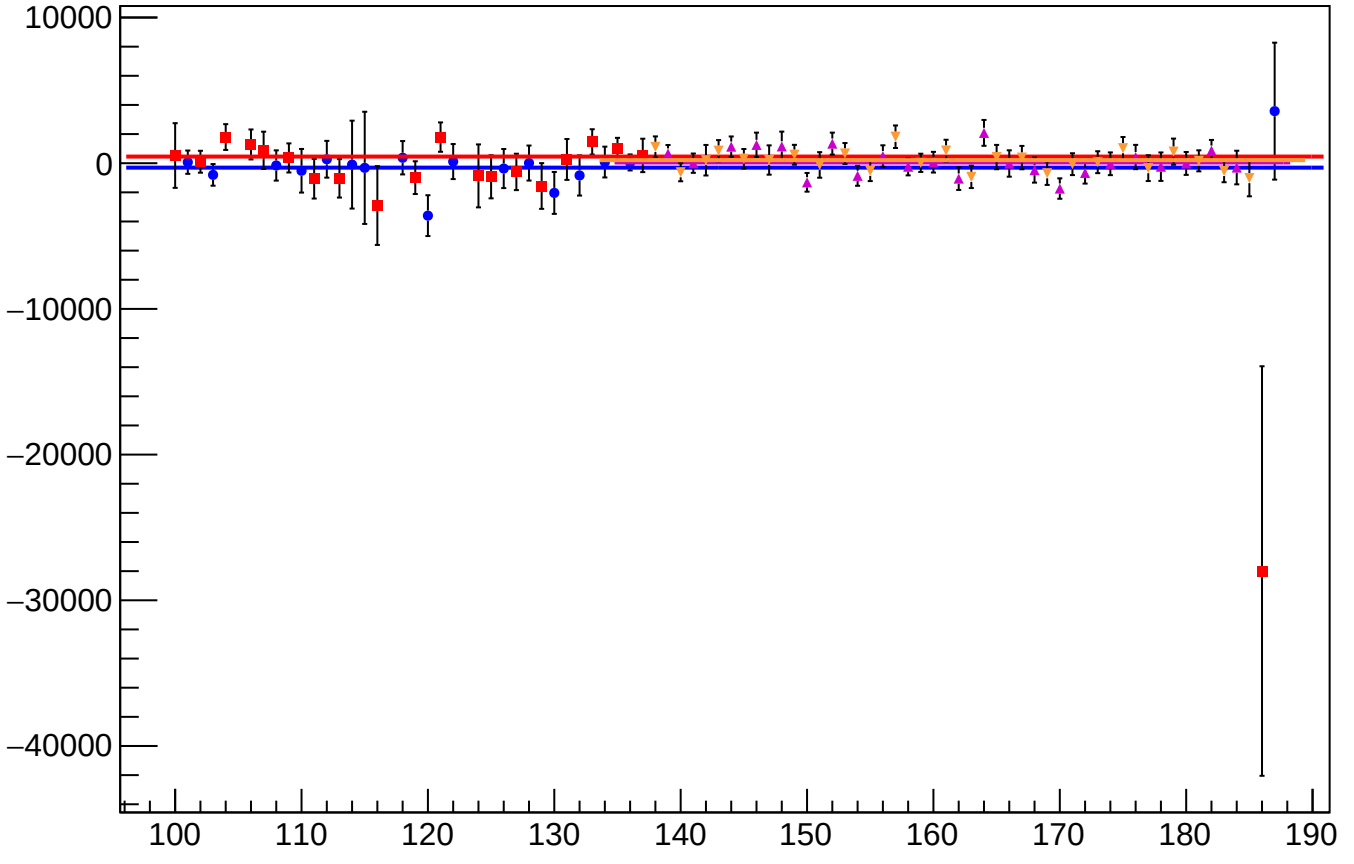
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

\+ sign 107.896+/-0.015 χ^2/NDF: 885704.4/41

All: 108.194+/-0.011 χ^2/NDF: 2139864.2/84

\- sign 108.504+/-0.015 χ^2/NDF: 1253338.2/42

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -304.008+/-267.083 χ^2/NDF: 9.8/16

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 456.091+/-256.603 χ^2/NDF: 20.6/19

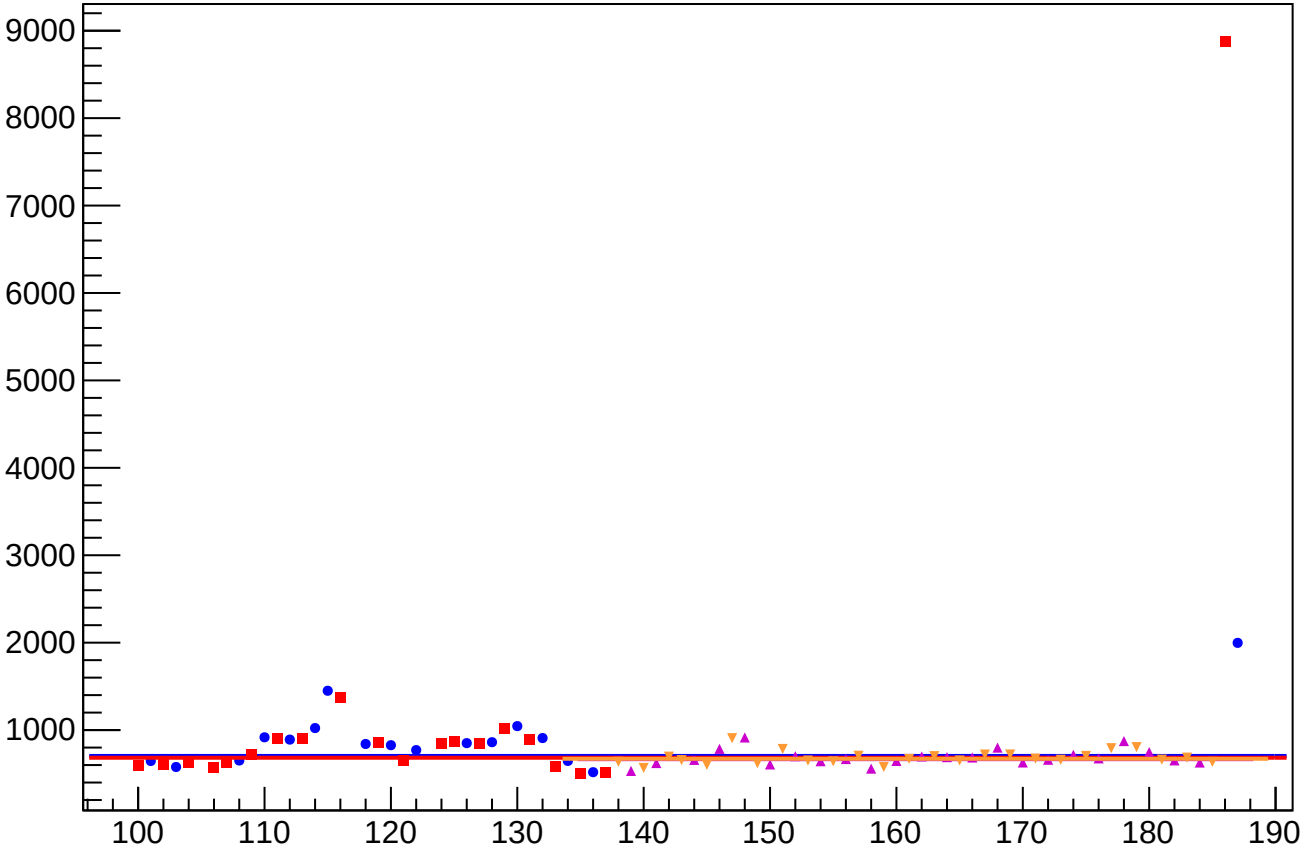
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 81.374+/-133.363 χ^2/NDF: 31.5/41

All: 121.082+/-94.604 χ^2/NDF: 87.4/84

- sign 161.303+/-134.223 χ^2/NDF: 55.7/42

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 704.164+/-0.189 χ^2/NDF: 905696.8/16

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 683.748+/-0.181 χ^2/NDF: 1449148.2/19

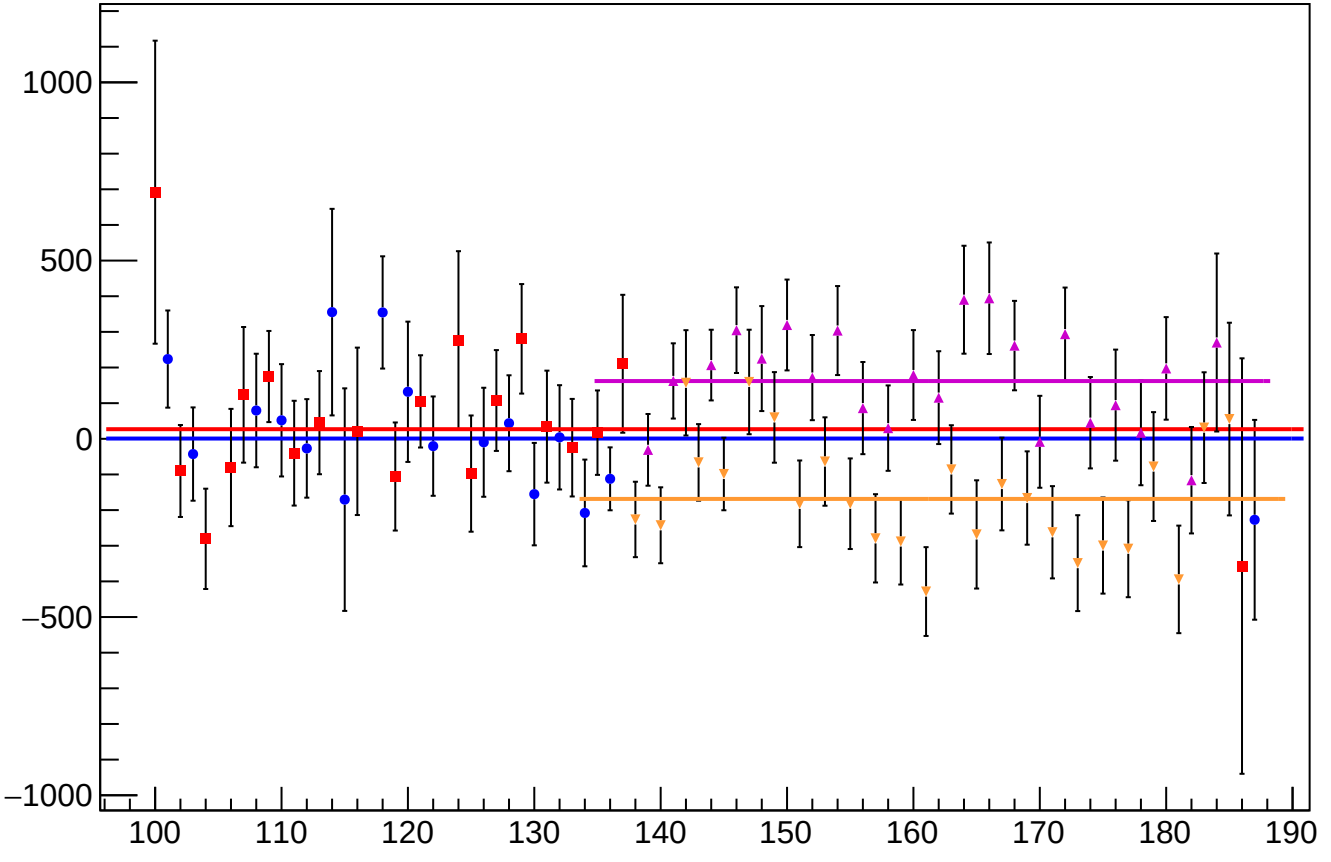
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 679.906+/-0.094 χ^2/NDF: 1326836.1/41

All: 675.894+/-0.067 χ^2/NDF: 3332470.3/84

- sign 671.830+/-0.095 χ^2/NDF: 2001991.0/42

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: 0.751+/-36.203 χ^2/NDF: 16.0/16

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 26.986+/-35.399 χ^2/NDF: 17.5/19

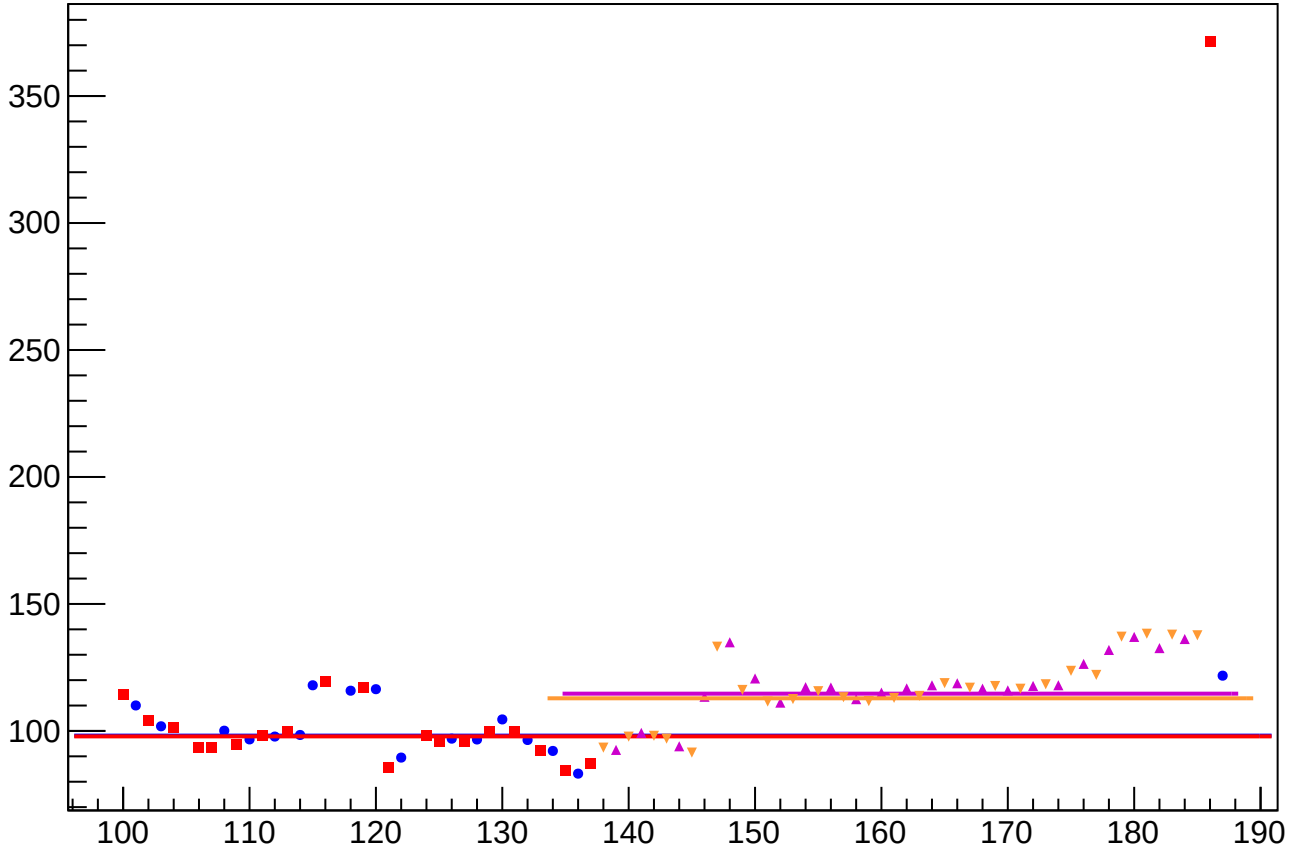
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -111.527+/-21.021 χ^2/NDF: 62.9/41

All: -1.741+/-15.011 χ^2/NDF: 168.9/84

- sign 112.483+/-21.442 χ^2/NDF: 50.3/42

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 98.156+/-0.026 χ^2/NDF: 155082.6/16

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

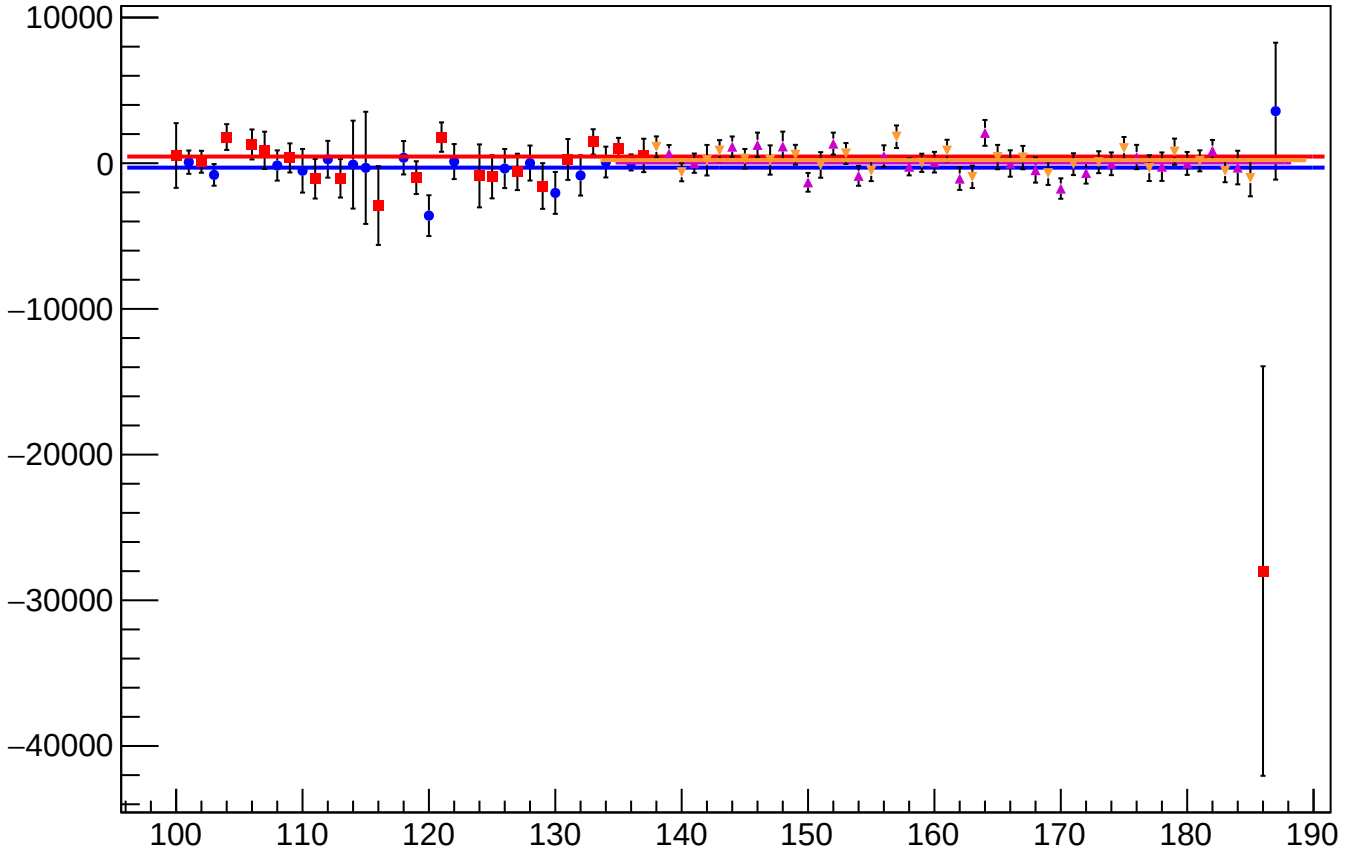
Right Out: 97.852+/-0.025 χ^2/NDF: 557378.9/19

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 107.896+/-0.015 χ^2/NDF: 885709.2/41

All: 108.194+/-0.011 χ^2/NDF: 2139879.8/84

- sign 108.504+/-0.015 χ^2/NDF: 1253349.1/42



Right In: -304.006+/-267.082 χ^2/NDF: 9.8/16

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 456.091+/-256.602 χ^2/NDF: 20.6/19

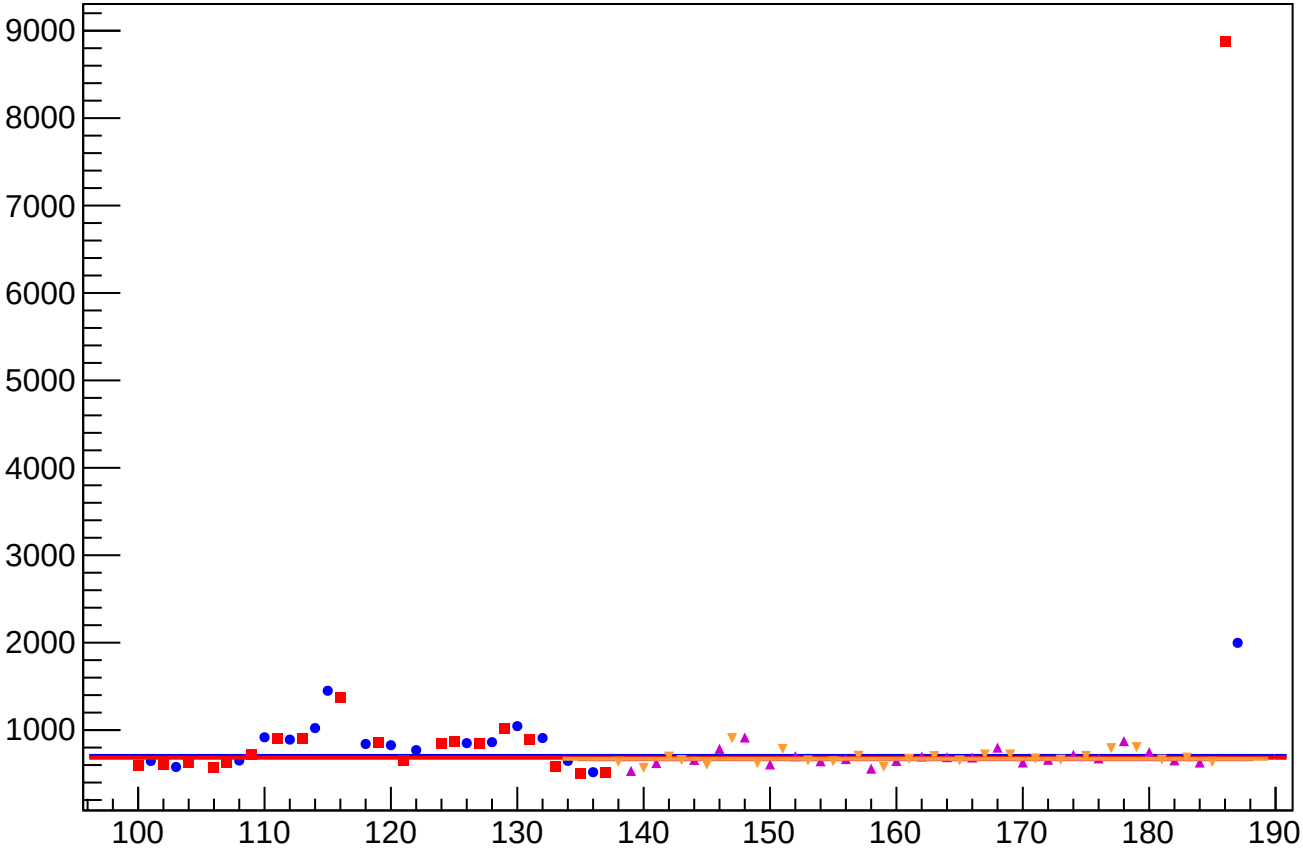
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 81.374+/-133.363 χ^2/NDF: 31.5/41

All: 121.082+/-94.604 χ^2/NDF: 87.4/84

- sign 161.304+/-134.223 χ^2/NDF: 55.7/42

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 704.163+/-0.189 χ^2/NDF: 905700.1/16

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 683.747+/-0.181 χ^2/NDF: 1449151.2/19

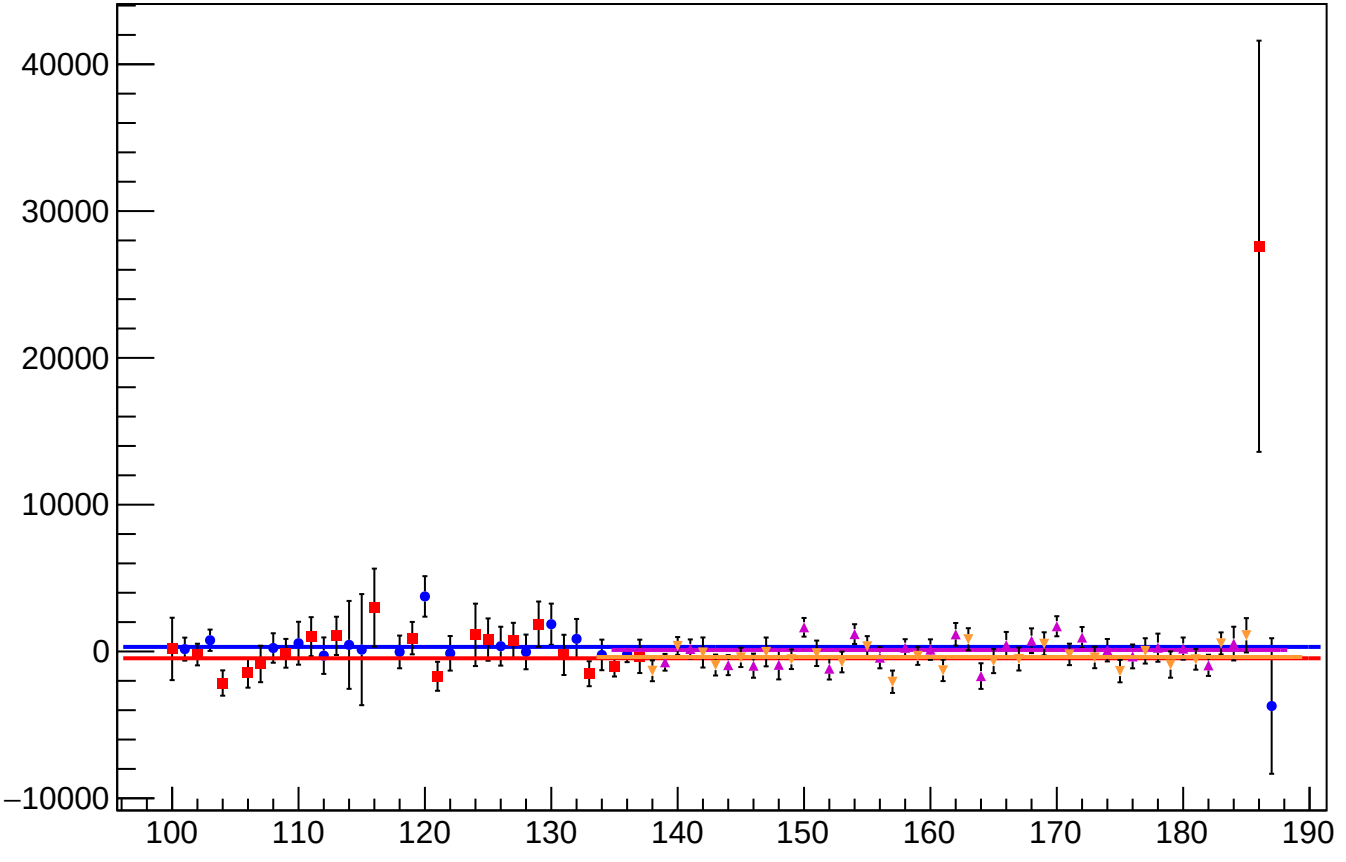
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 679.906+/-0.094 χ^2/NDF: 1326837.1/41

All: 675.894+/-0.067 χ^2/NDF: 3332475.0/84

- sign 671.830+/-0.095 χ^2/NDF: 2001994.6/42

asym_sam_15_dd_mean vs Slug



Right In: 310.206+/-261.910 χ^2/NDF: 10.5/16

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -464.194+/-251.290 χ^2/NDF: 23.4/19

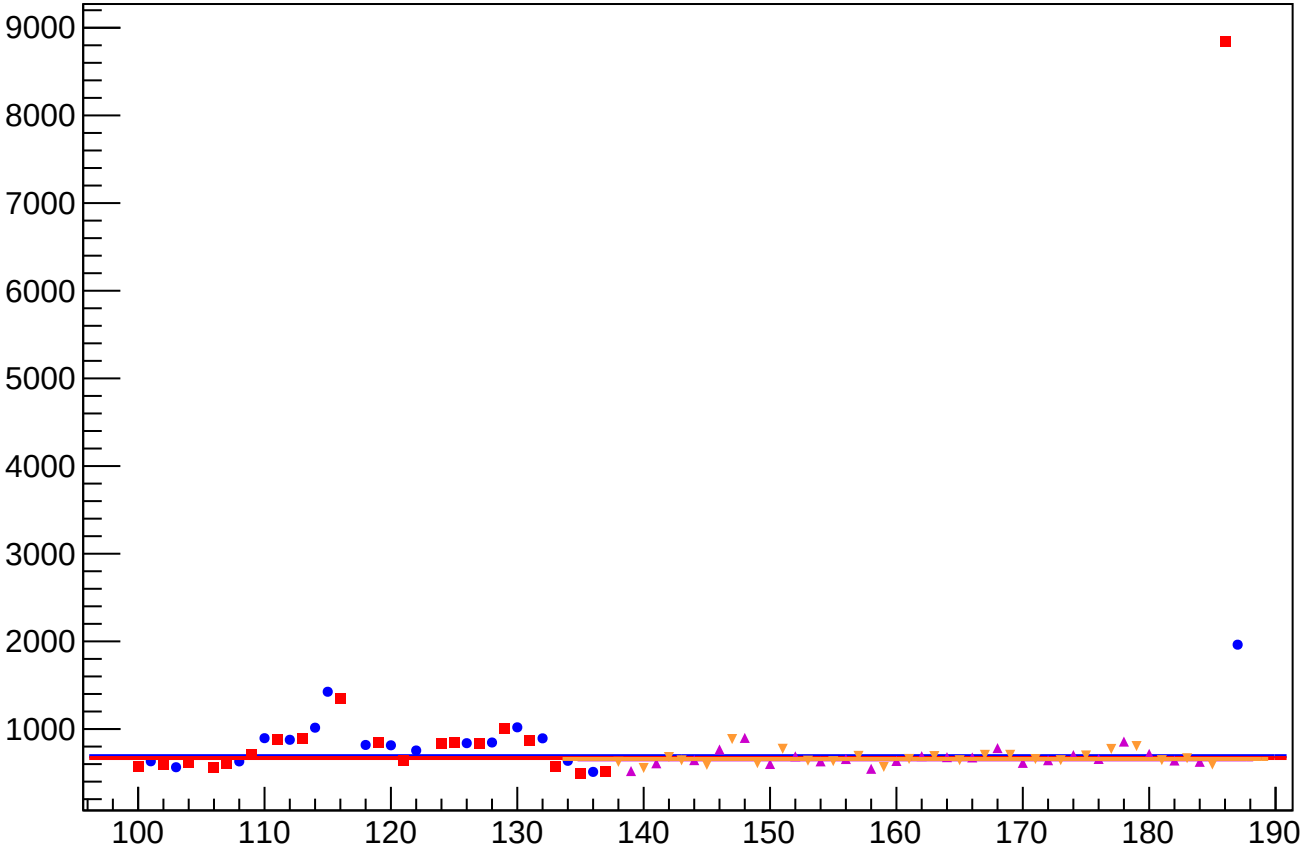
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -205.811+/-130.785 χ^2/NDF: 37.0/41

All: -129.390+/-92.735 χ^2/NDF: 100.4/84

- sign -52.117+/-131.512 χ^2/NDF: 62.7/42

asym_sam_15_dd_rms vs Slug



Right In: 690.499+/-0.185 χ^2/NDF: 901675.6/16

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

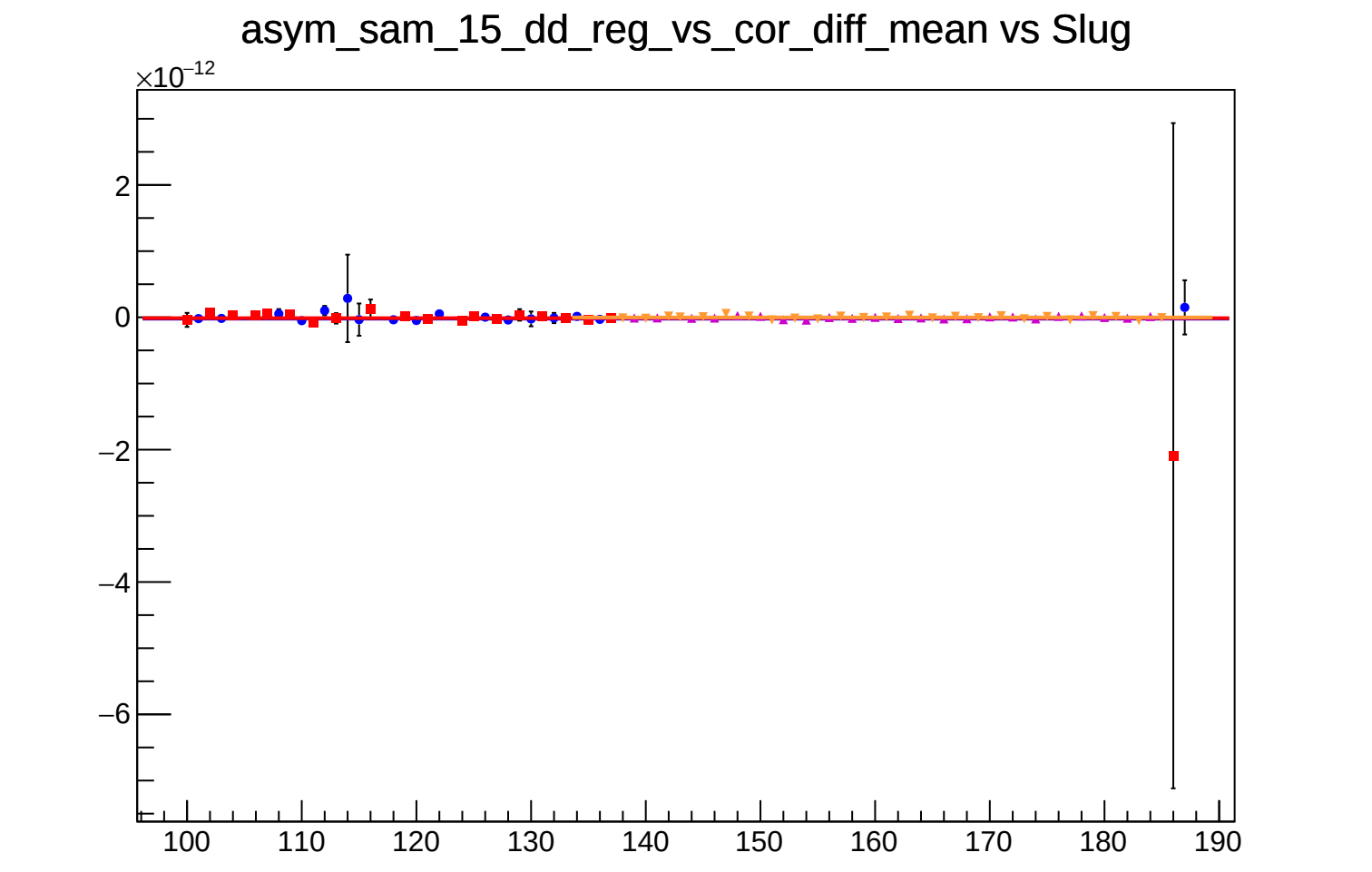
Right Out: 669.267+/-0.178 χ^2/NDF: 1458453.5/19

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 666.608+/-0.092 χ^2/NDF: 1333529.2/41

All: 662.400+/-0.066 χ^2/NDF: 3343620.2/84

- sign 658.145+/-0.093 χ^2/NDF: 2005926.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

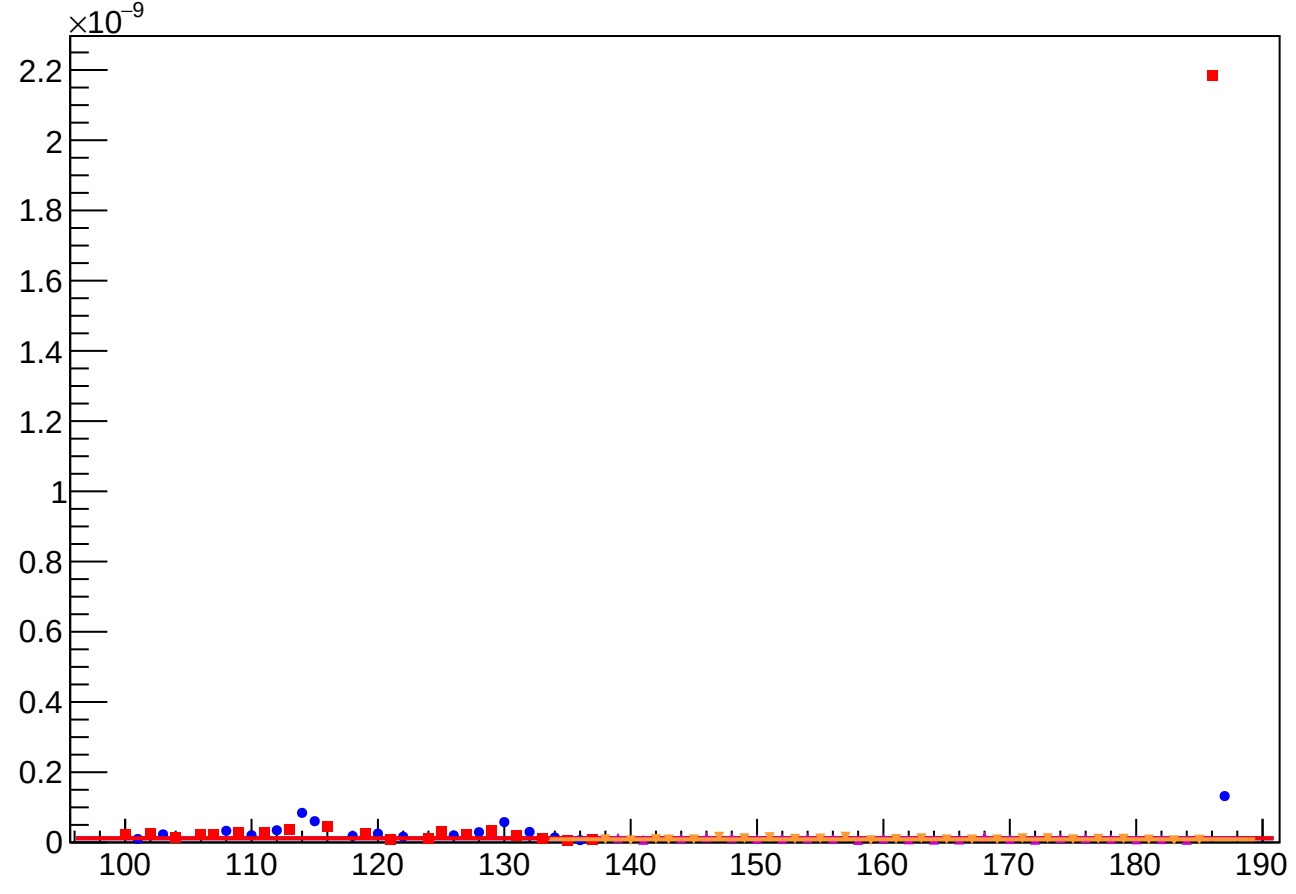
Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/19

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.7/41

All: -0.000+/-0.000 χ^2/NDF: 80.6/84

- sign -0.000+/-0.000 χ^2/NDF: 33.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 2333861.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2576001.0/19

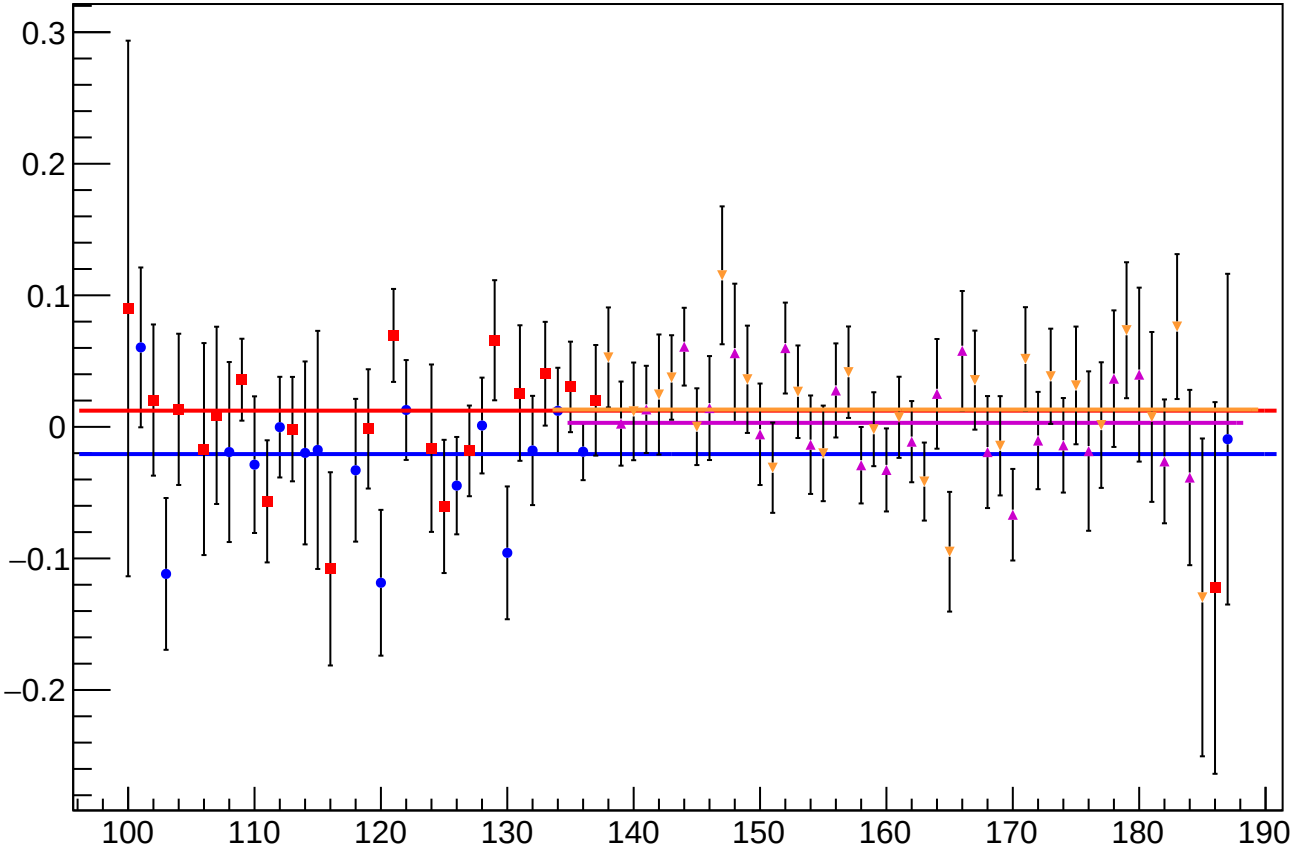
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3593063.6/41

All: 0.000+/-0.000 χ^2/NDF: 7017779.0/84

- sign 0.000+/-0.000 χ^2/NDF: 3312870.5/42

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.012+/-0.011 χ^2/NDF: 14.8/19

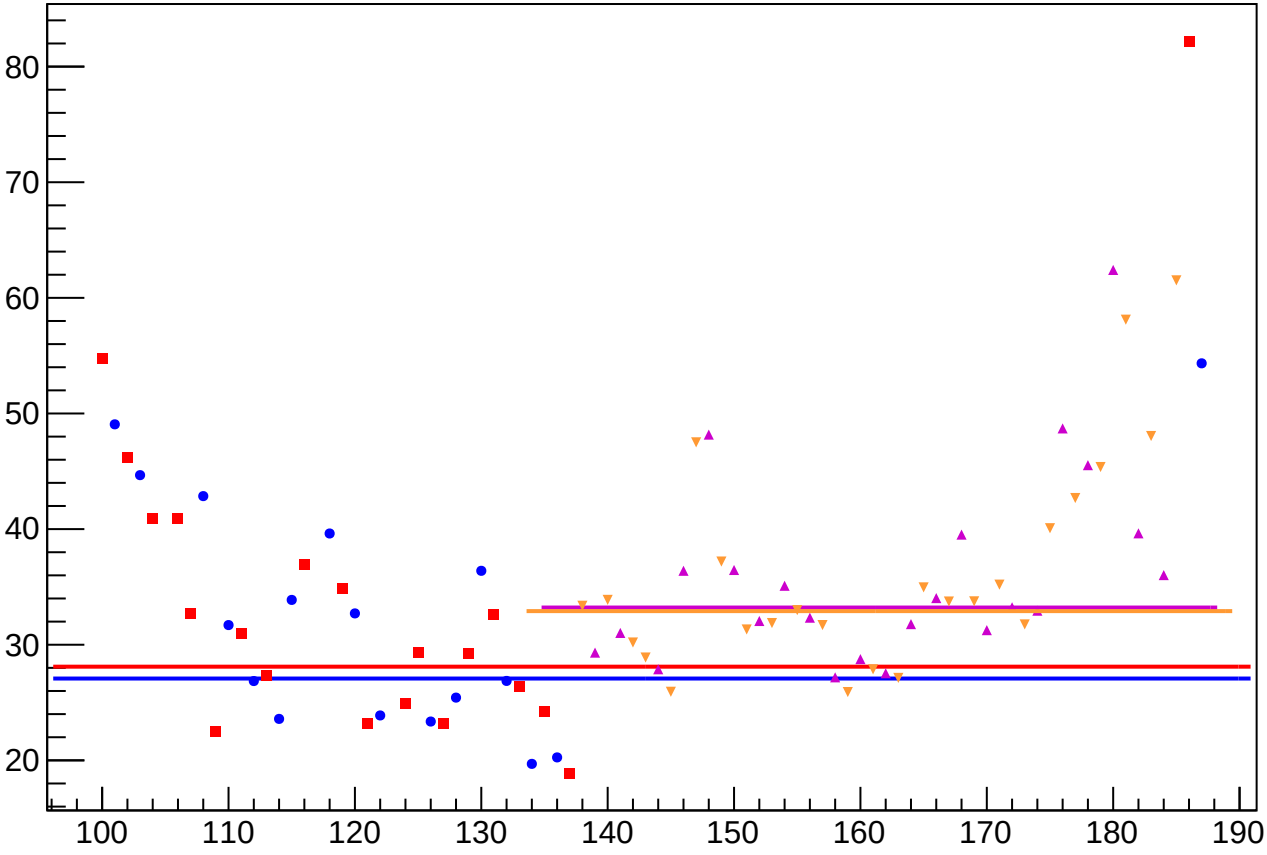
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/41

All: 0.004+/-0.004 χ^2/NDF: 79.5/84

- sign 0.006+/-0.006 χ^2/NDF: 34.5/42

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.077+/-0.007 χ^2/NDF: 1215292.7/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

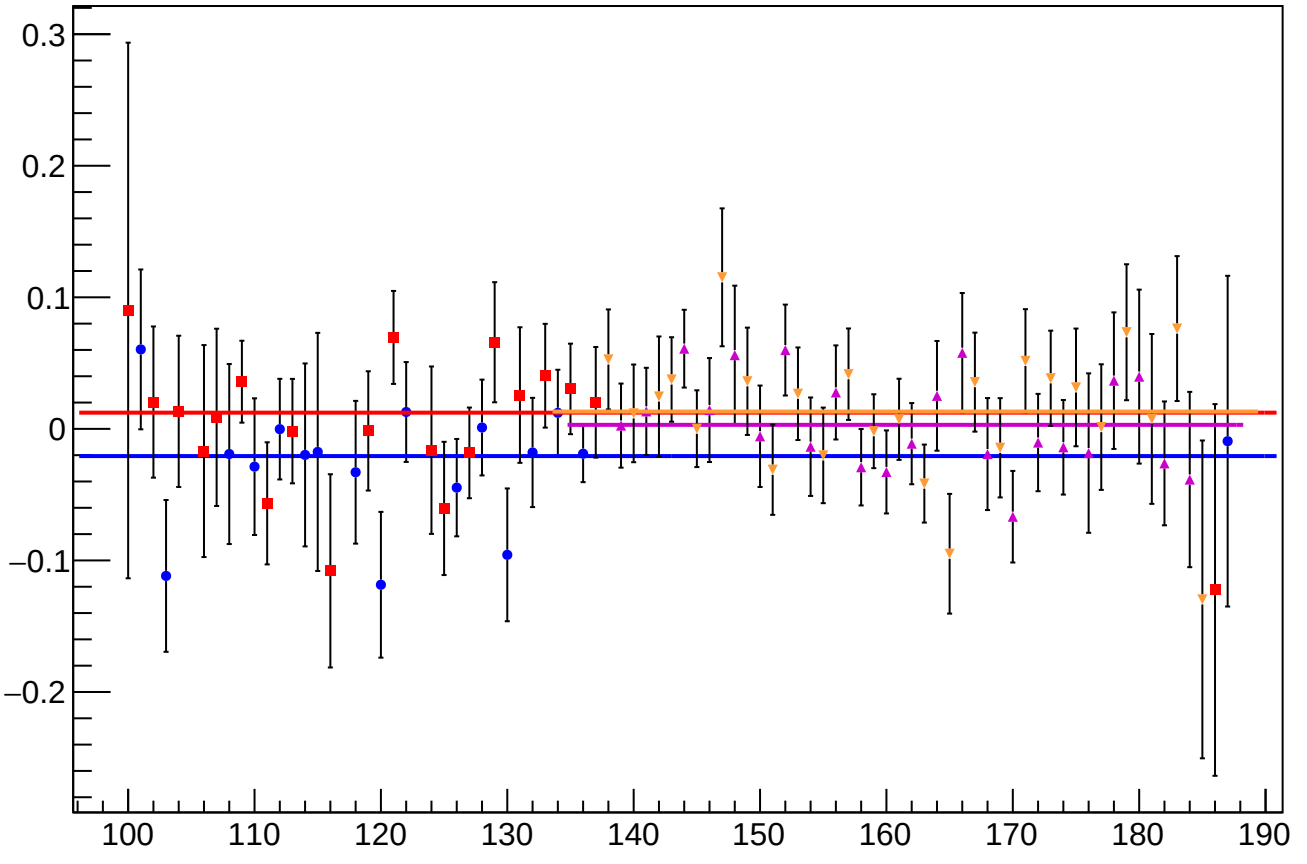
Right Out: 28.103+/-0.007 χ^2/NDF: 1057467.2/19

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 30.868+/-0.004 χ^2/NDF: 3046417.5/41

All: 31.104+/-0.003 χ^2/NDF: 5632001.9/84

- sign 31.352+/-0.004 χ^2/NDF: 2579630.8/42



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

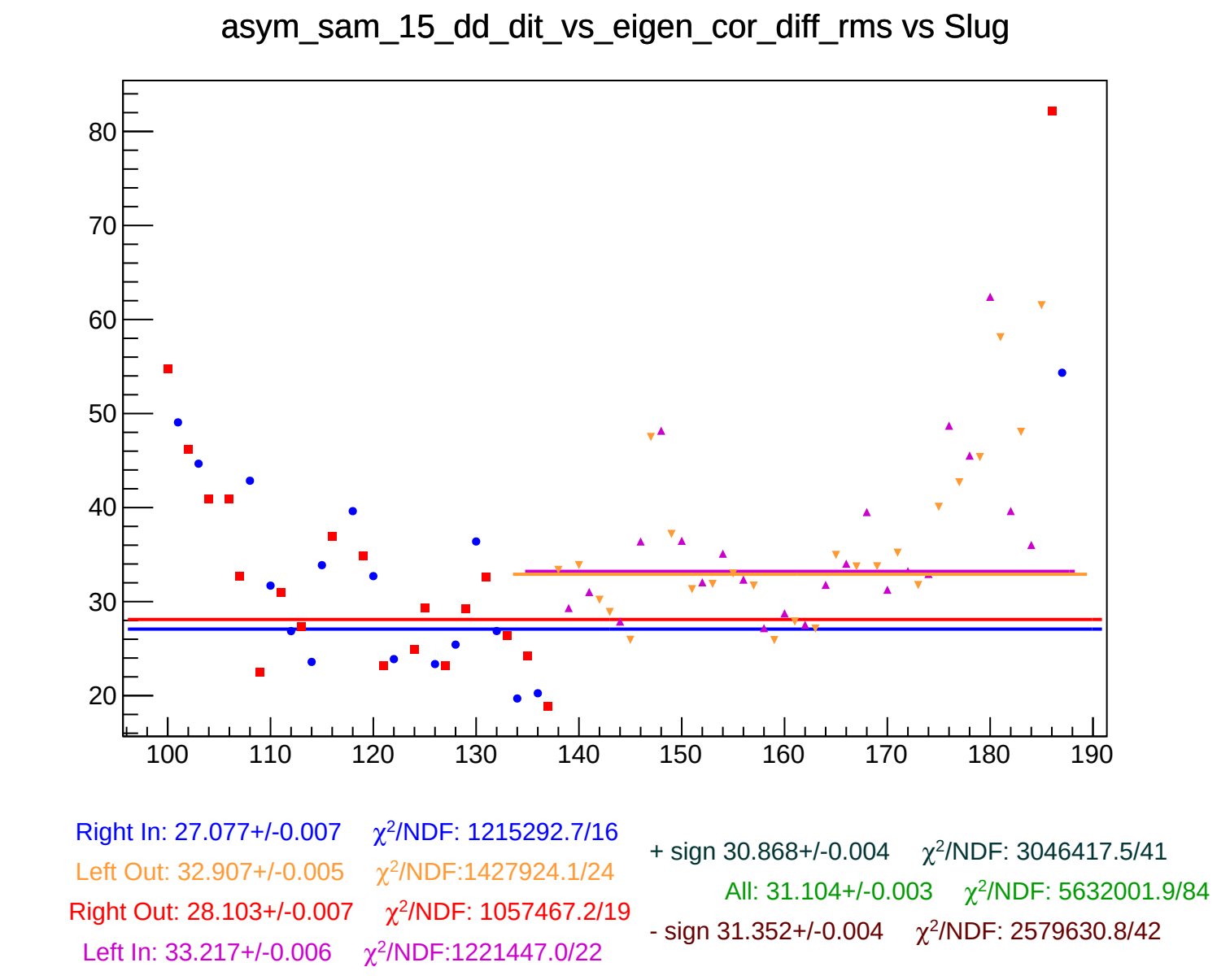
Right Out: 0.012+/-0.011 χ^2/NDF: 14.8/19

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

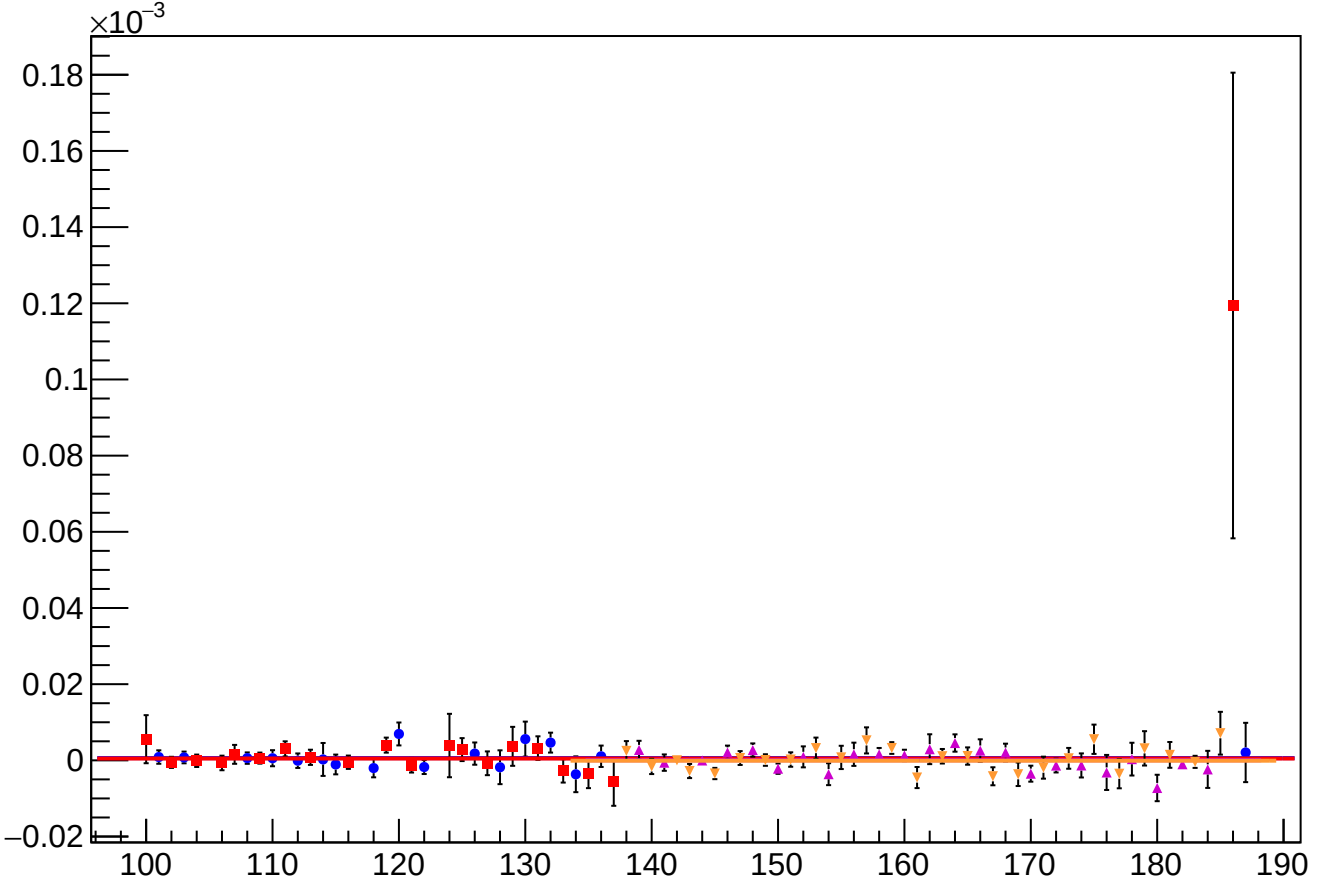
+ sign 0.001+/-0.006 χ^2/NDF: 44.7/41

All: 0.004+/-0.004 χ^2/NDF: 79.5/84

- sign 0.006+/-0.006 χ^2/NDF: 34.5/42


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 27.077+/-0.007 χ²/NDF: 1215292.7/16
Left Out: 32.907+/-0.005 χ²/NDF:1427924.1/24
Right Out: 28.103+/-0.007 χ²/NDF: 1057467.2/19
Left In: 33.217+/-0.006 χ²/NDF:1221447.0/22
+ sign 30.868+/-0.004 χ²/NDF: 3046417.5/41
All: 31.104+/-0.003 χ²/NDF: 5632001.9/84
- sign 31.352+/-0.004 χ²/NDF: 2579630.8/42

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/19

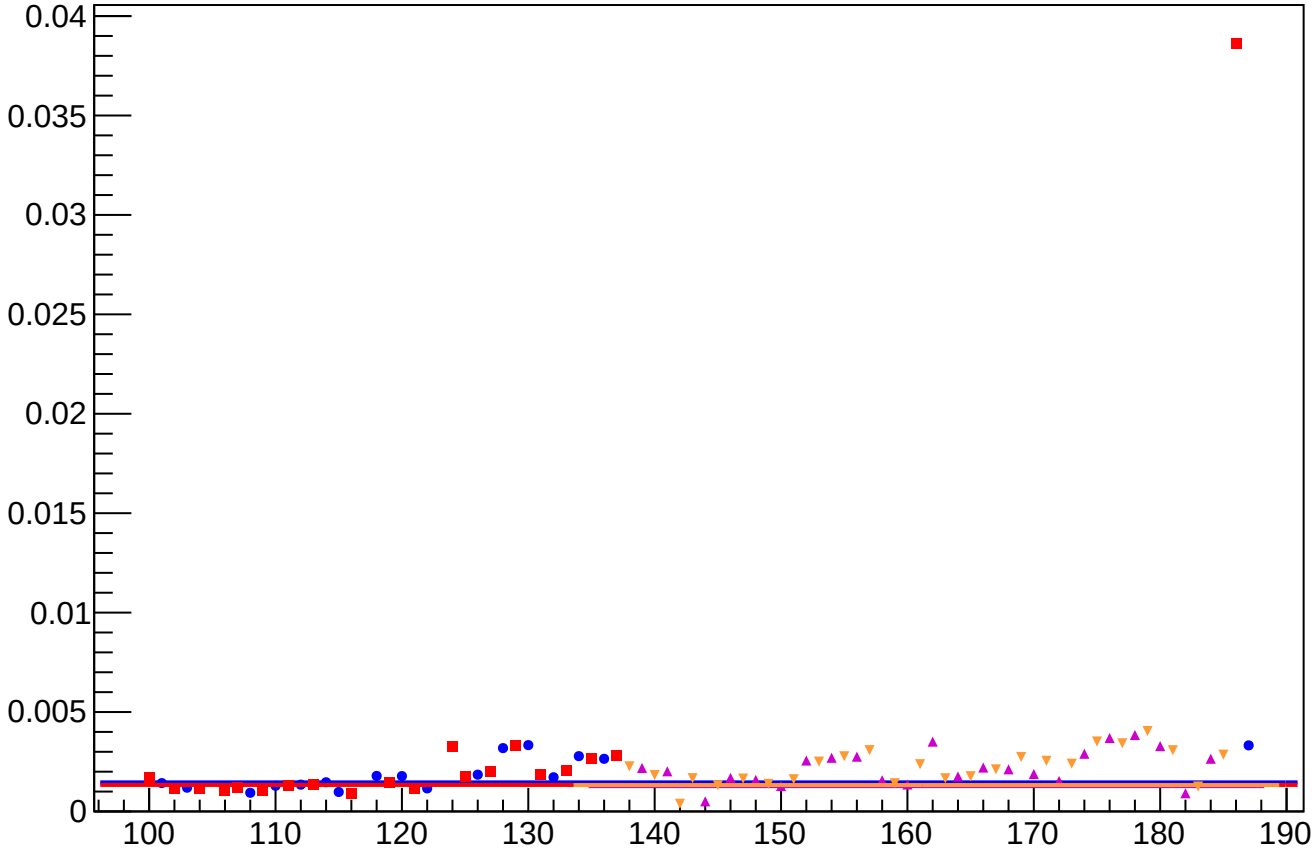
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.8/41

All: 0.000+/-0.000 χ^2/NDF: 89.3/84

- sign 0.000+/-0.000 χ^2/NDF: 44.5/42

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1825339.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

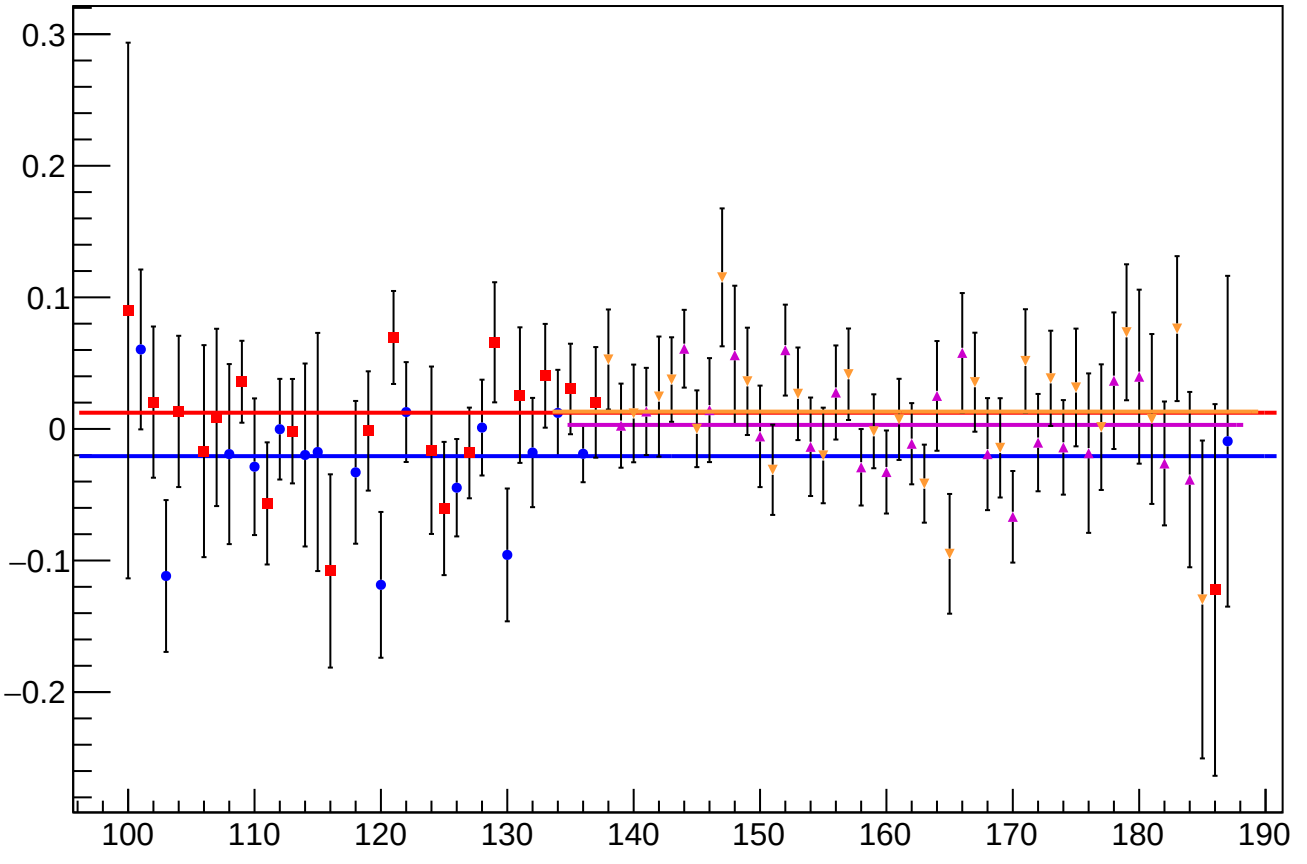
Right Out: 0.001+/-0.000 χ^2/NDF: 2146247.9/19

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 13064634.6/41

All: 0.001+/-0.000 χ^2/NDF: 25165778.9/84

- sign 0.001+/-0.000 χ^2/NDF: 12042363.5/42



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

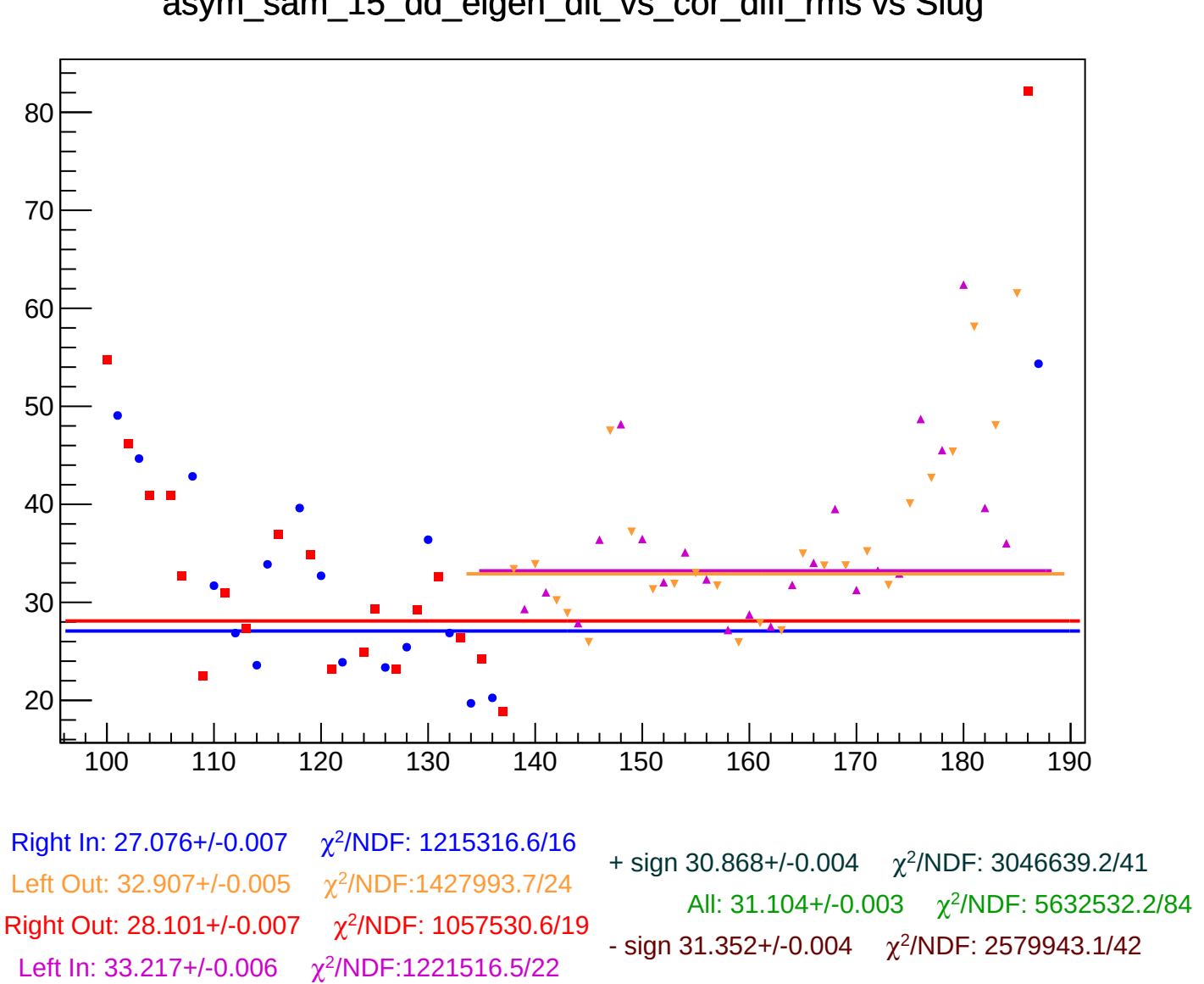
Right Out: 0.012+/-0.011 χ^2/NDF: 14.8/19

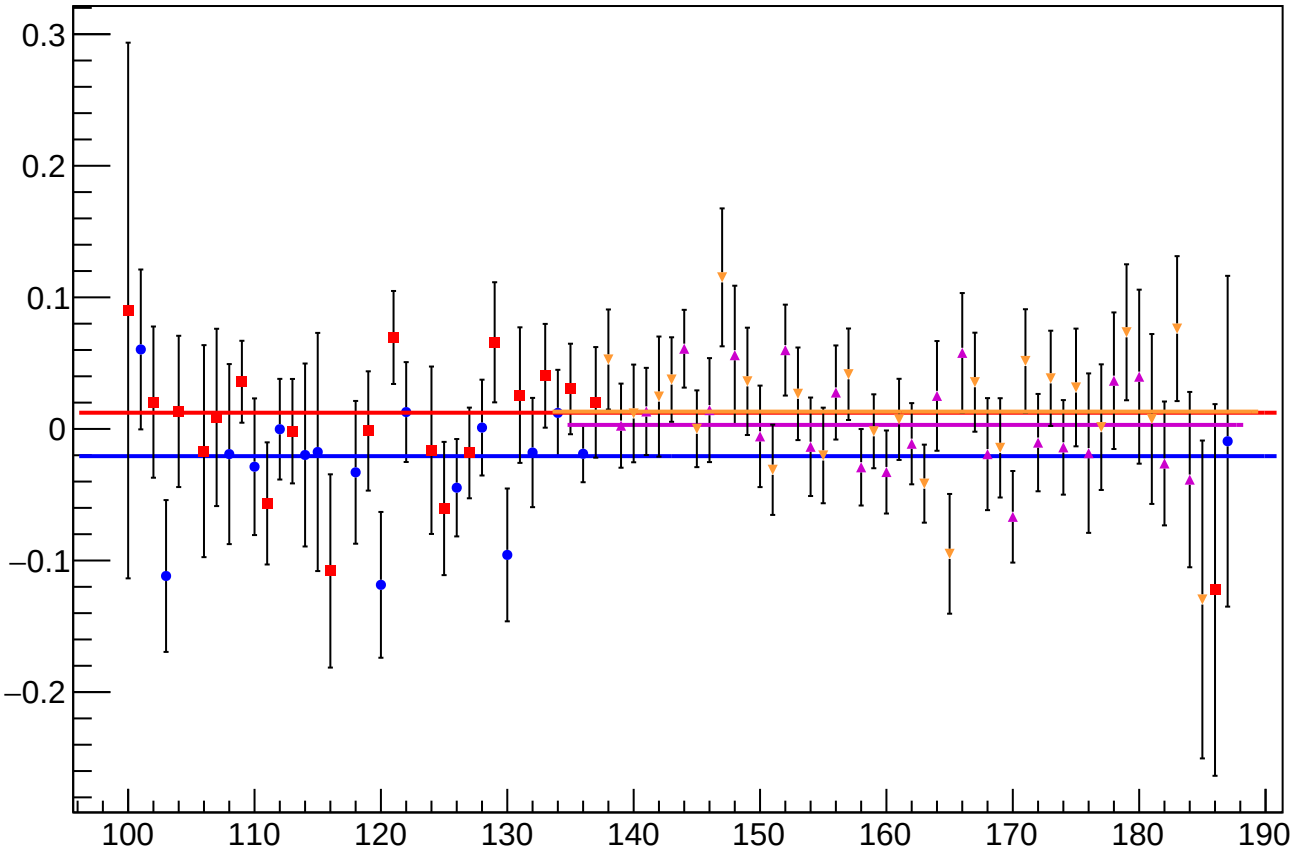
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/41

All: 0.004+/-0.004 χ^2/NDF: 79.5/84

- sign 0.006+/-0.006 χ^2/NDF: 34.5/42


asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 27.076+/-0.007 χ²/NDF: 1215316.6/16
Left Out: 32.907+/-0.005 χ²/NDF:1427993.7/24
Right Out: 28.101+/-0.007 χ²/NDF: 1057530.6/19
Left In: 33.217+/-0.006 χ²/NDF:1221516.5/22
+ sign 30.868+/-0.004 χ²/NDF: 3046639.2/41
All: 31.104+/-0.003 χ²/NDF: 5632532.2/84
- sign 31.352+/-0.004 χ²/NDF: 2579943.1/42



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

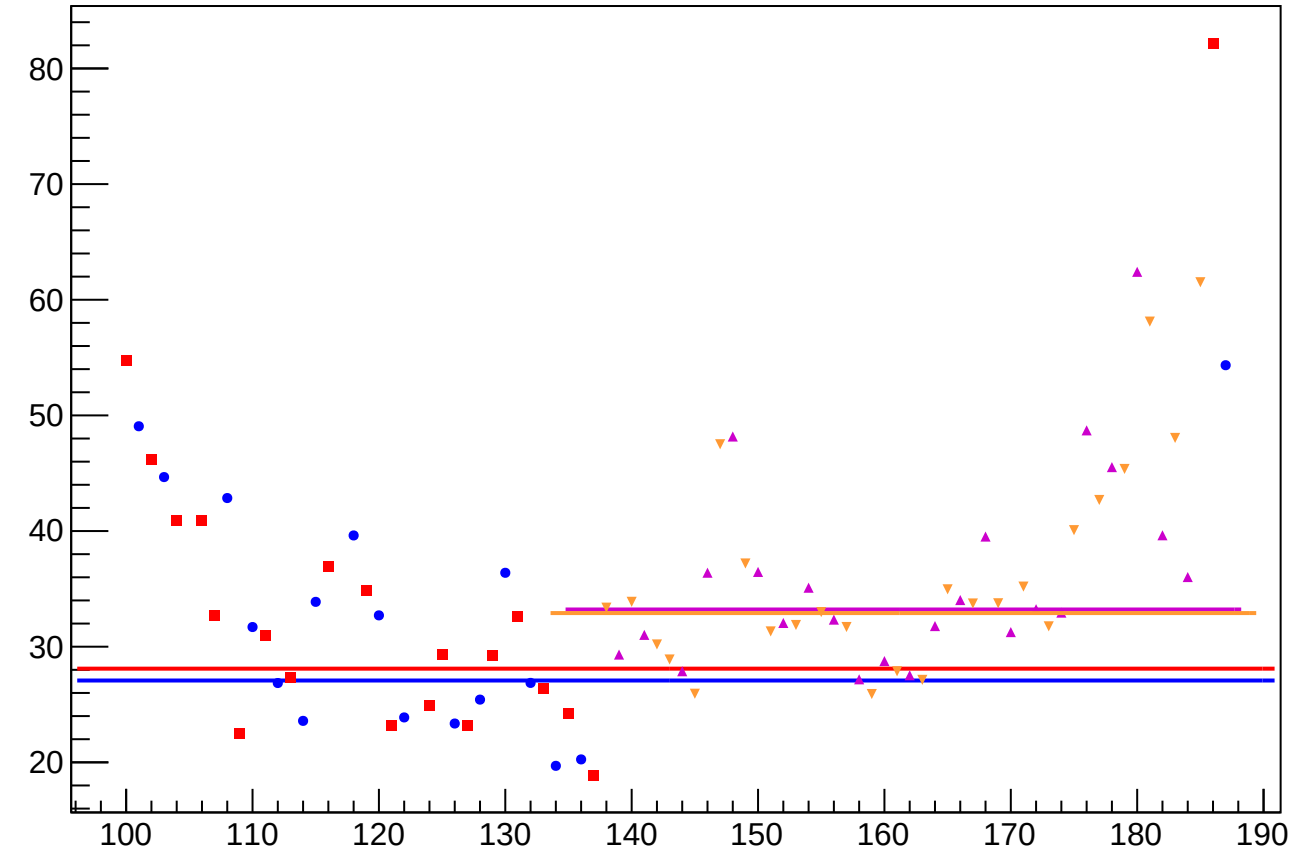
Right Out: 0.012+/-0.011 χ^2/NDF: 14.8/19

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.001+/-0.006 χ^2/NDF: 44.7/41

All: 0.004+/-0.004 χ^2/NDF: 79.5/84

- sign 0.006+/-0.006 χ^2/NDF: 34.5/42



Right In: 27.076+/-0.007 χ^2/NDF: 1215316.6/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

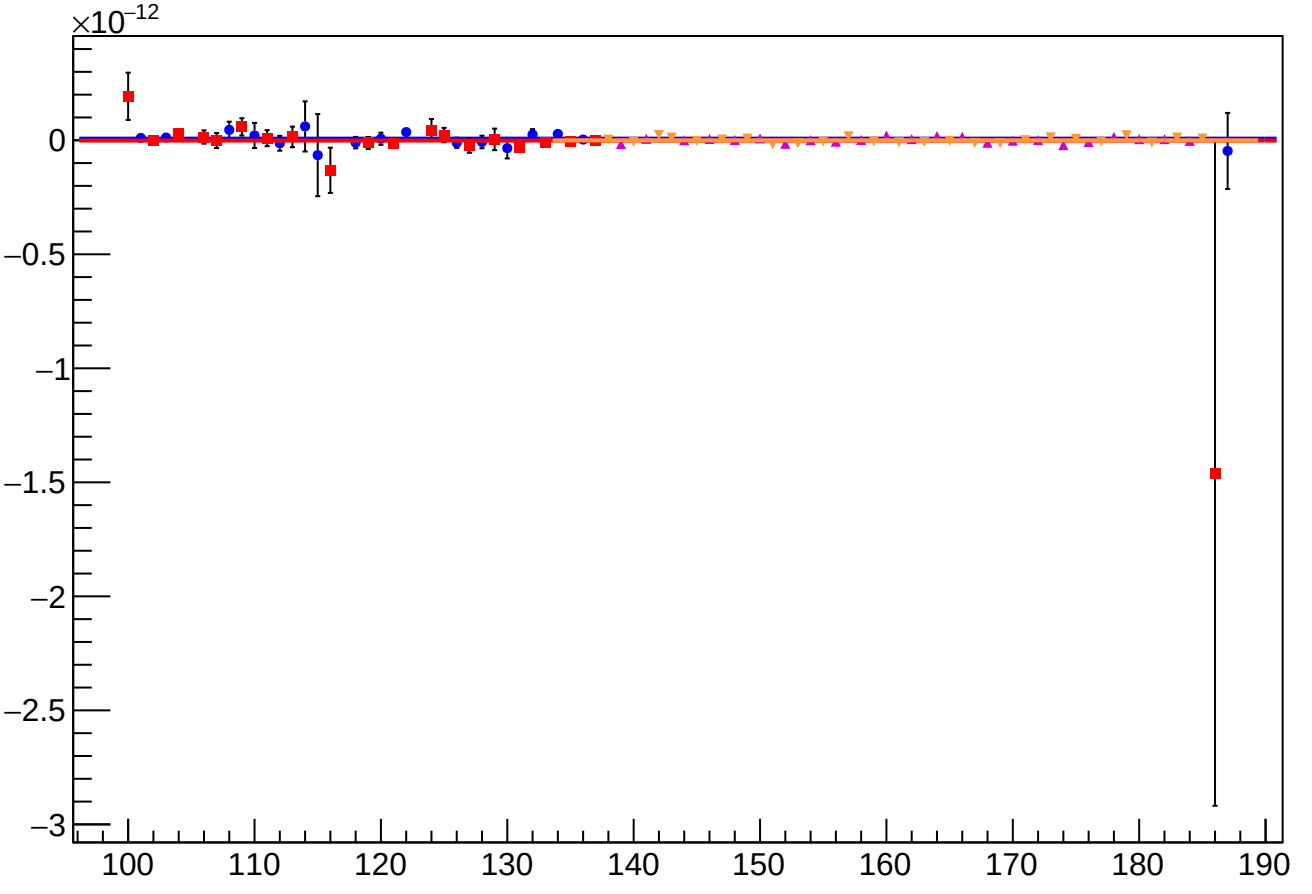
Right Out: 28.101+/-0.007 χ^2/NDF: 1057530.6/19

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 30.868+/-0.004 χ^2/NDF: 3046639.2/41

All: 31.104+/-0.003 χ^2/NDF: 5632532.2/84

- sign 31.352+/-0.004 χ^2/NDF: 2579943.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

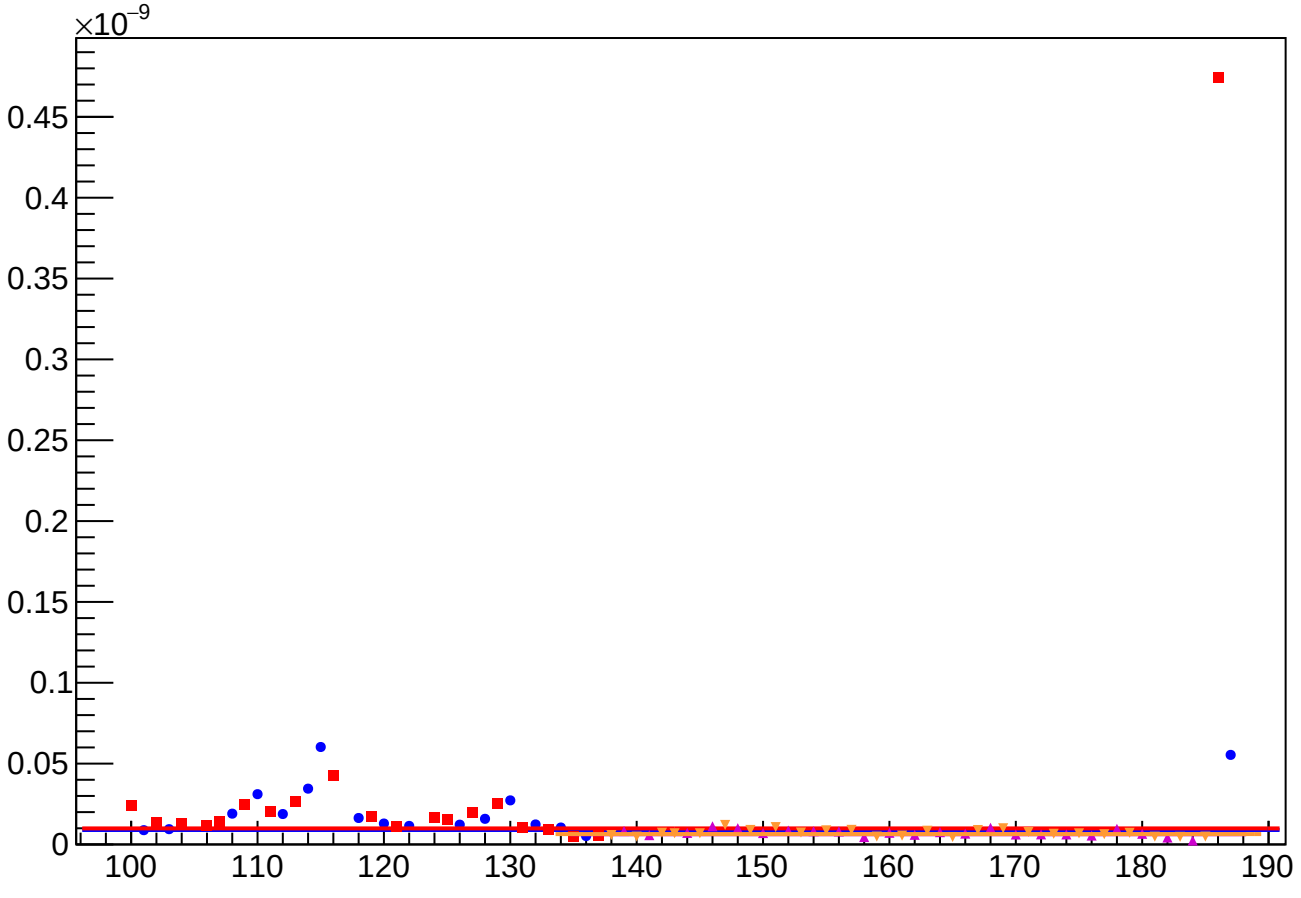
Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/19

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/41

All: 0.000+/-0.000 χ^2/NDF: 83.4/84

- sign 0.000+/-0.000 χ^2/NDF: 41.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 2558155.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2872553.8/19

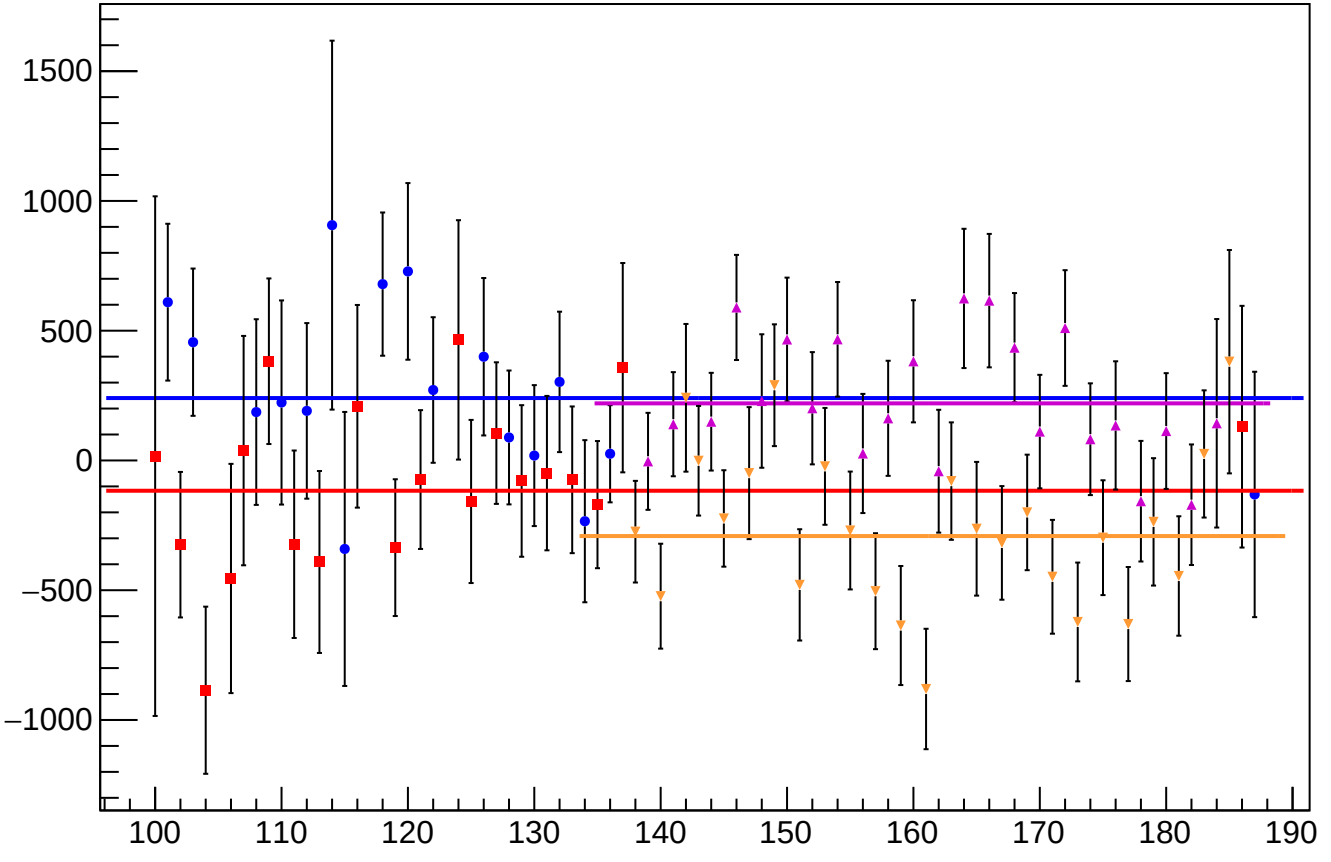
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4970002.9/41

All: 0.000+/-0.000 χ^2/NDF: 10905139.2/84

- sign 0.000+/-0.000 χ^2/NDF: 5935136.2/42

reg_asym_sam_26_dd_mean vs Slug



Right In: 240.445+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -116.699+/-73.439 χ^2/NDF: 15.8/19

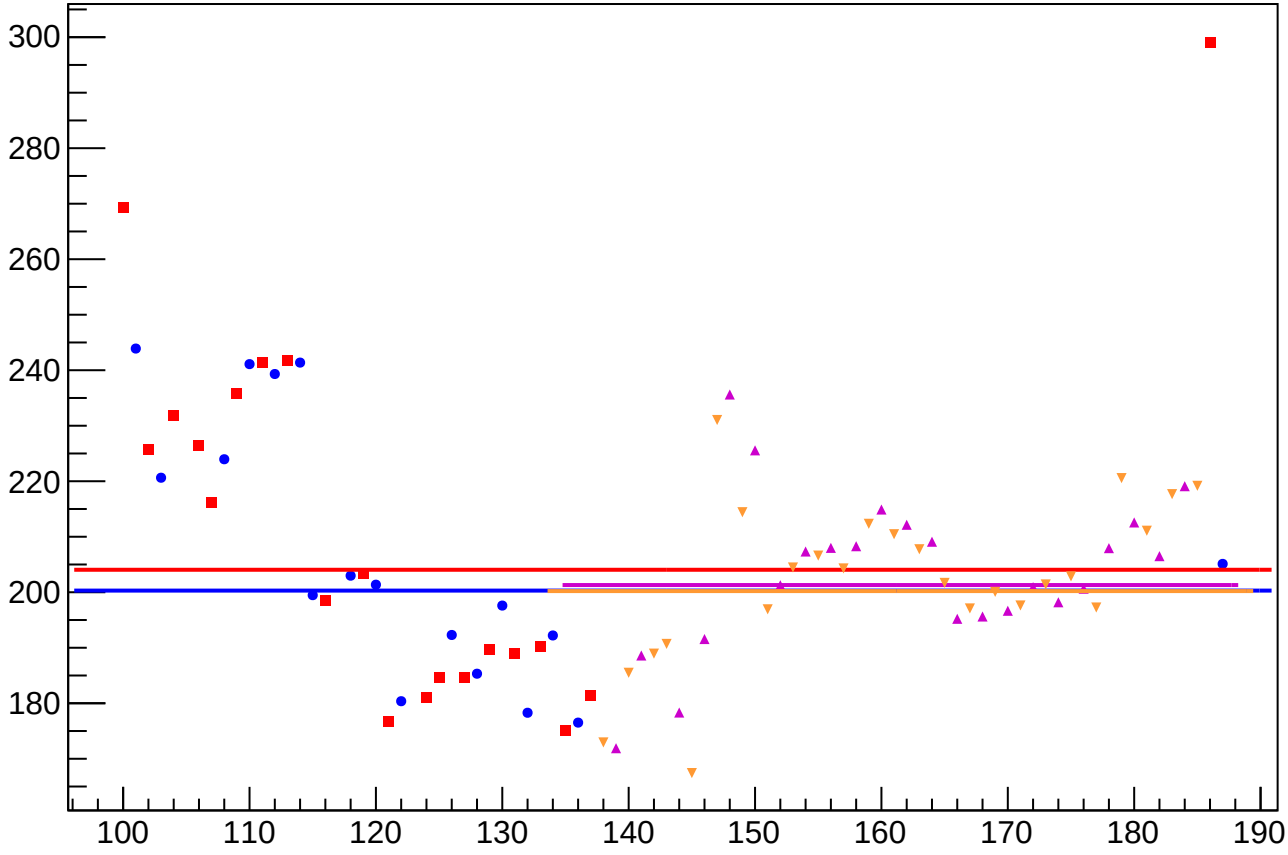
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -144.772+/-38.823 χ^2/NDF: 88.2/41

All: -14.415+/-27.748 χ^2/NDF: 165.7/84

- sign 121.717+/-39.674 χ^2/NDF: 54.5/42

reg_asym_sam_26_dd_rms vs Slug



Right In: 200.298+/-0.052 χ^2/NDF: 181213.7/16

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

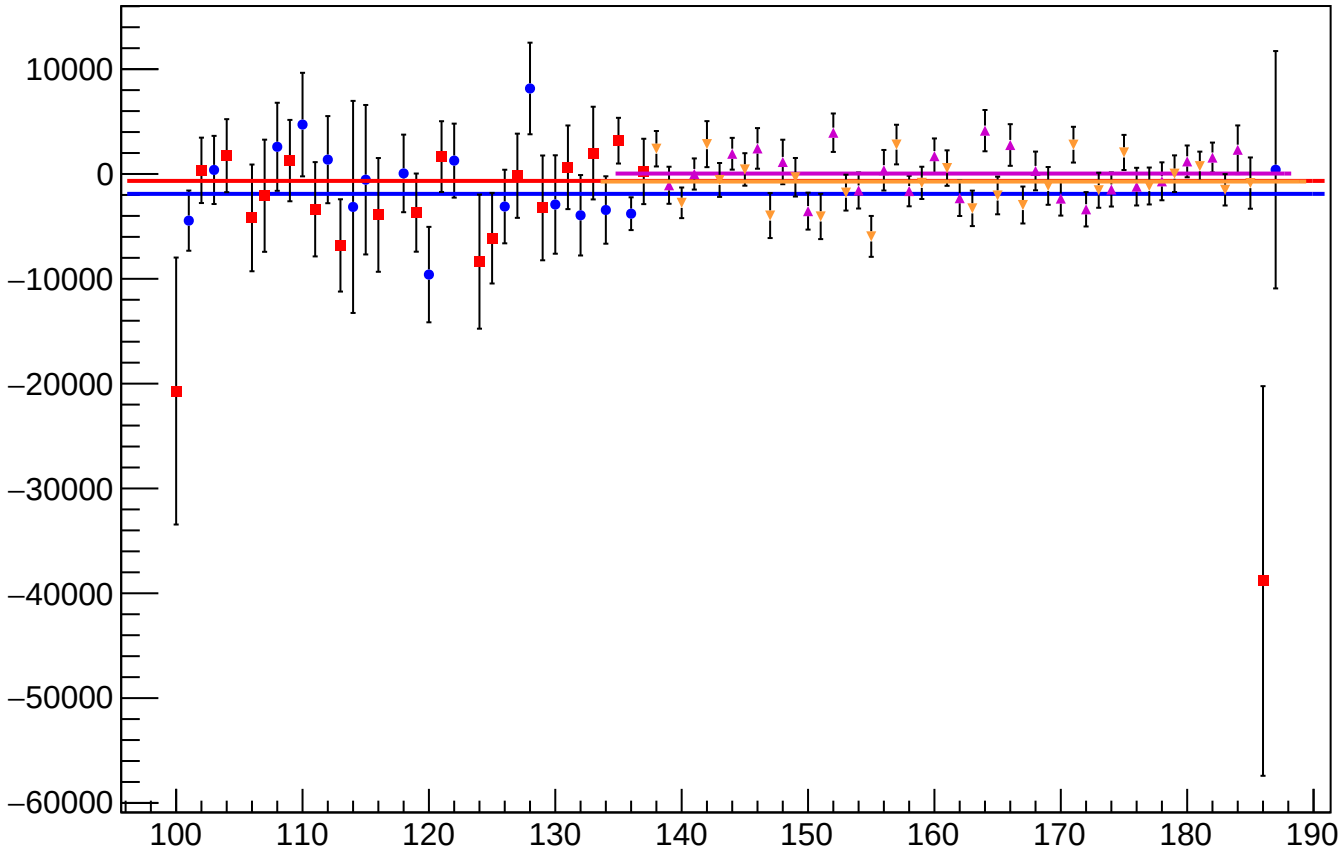
Right Out: 204.050+/-0.052 χ^2/NDF: 282597.3/19

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.234+/-0.027 χ^2/NDF: 385609.6/41

All: 201.147+/-0.020 χ^2/NDF: 854105.3/84

- sign 202.101+/-0.028 χ^2/NDF: 466233.9/42



Right In: -1897.096+/-856.625 χ^2/NDF: 16.3/16

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -660.534+/-899.397 χ^2/NDF: 18.9/19

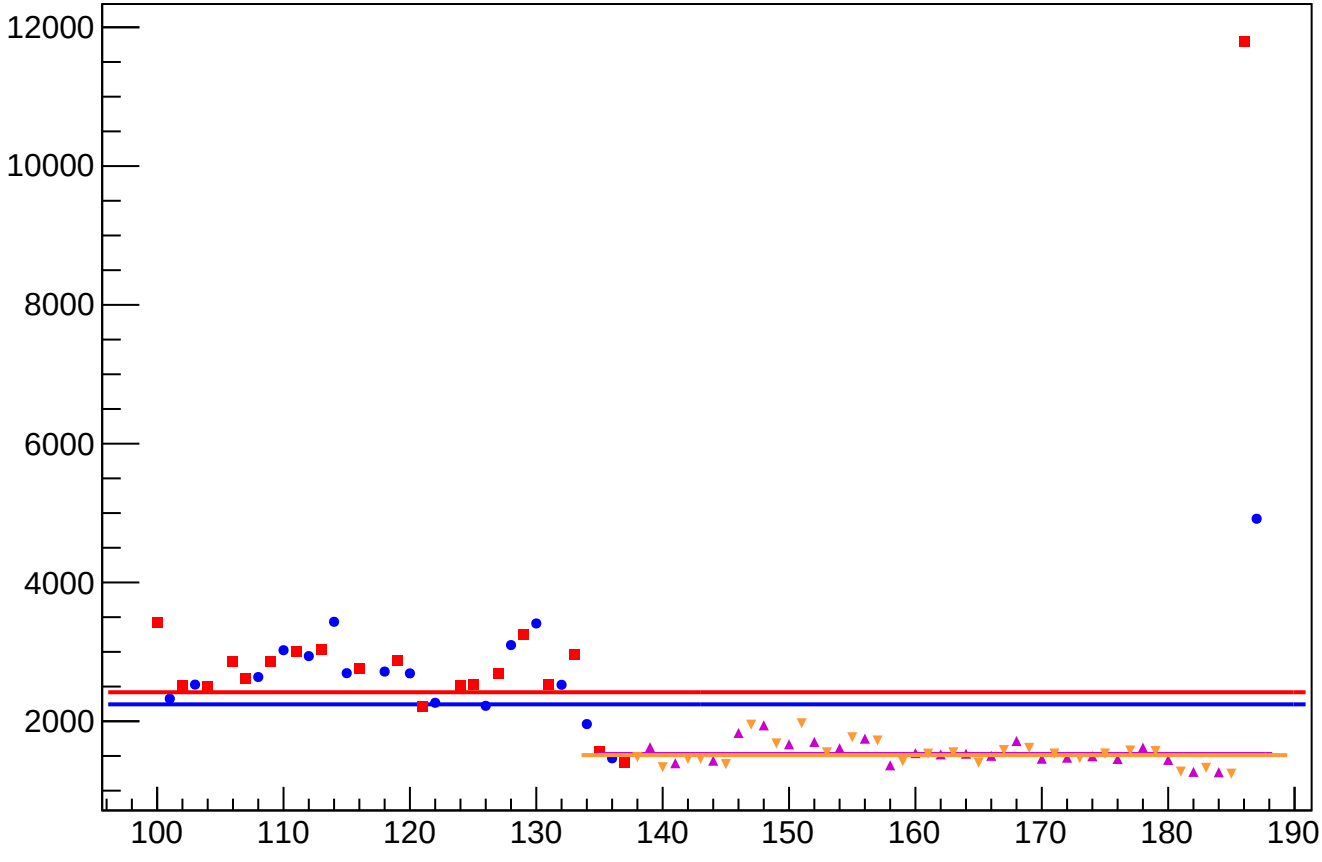
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

\+ sign -886.011+/-321.118 χ^2/NDF: 56.2/41

All: -487.355+/-231.362 χ^2/NDF: 113.2/84

\- sign -57.020+/-333.632 χ^2/NDF: 53.8/42

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2243.829+/-0.606 χ^2/NDF: 1059895.1/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2418.088+/-0.636 χ^2/NDF: 1309632.0/19

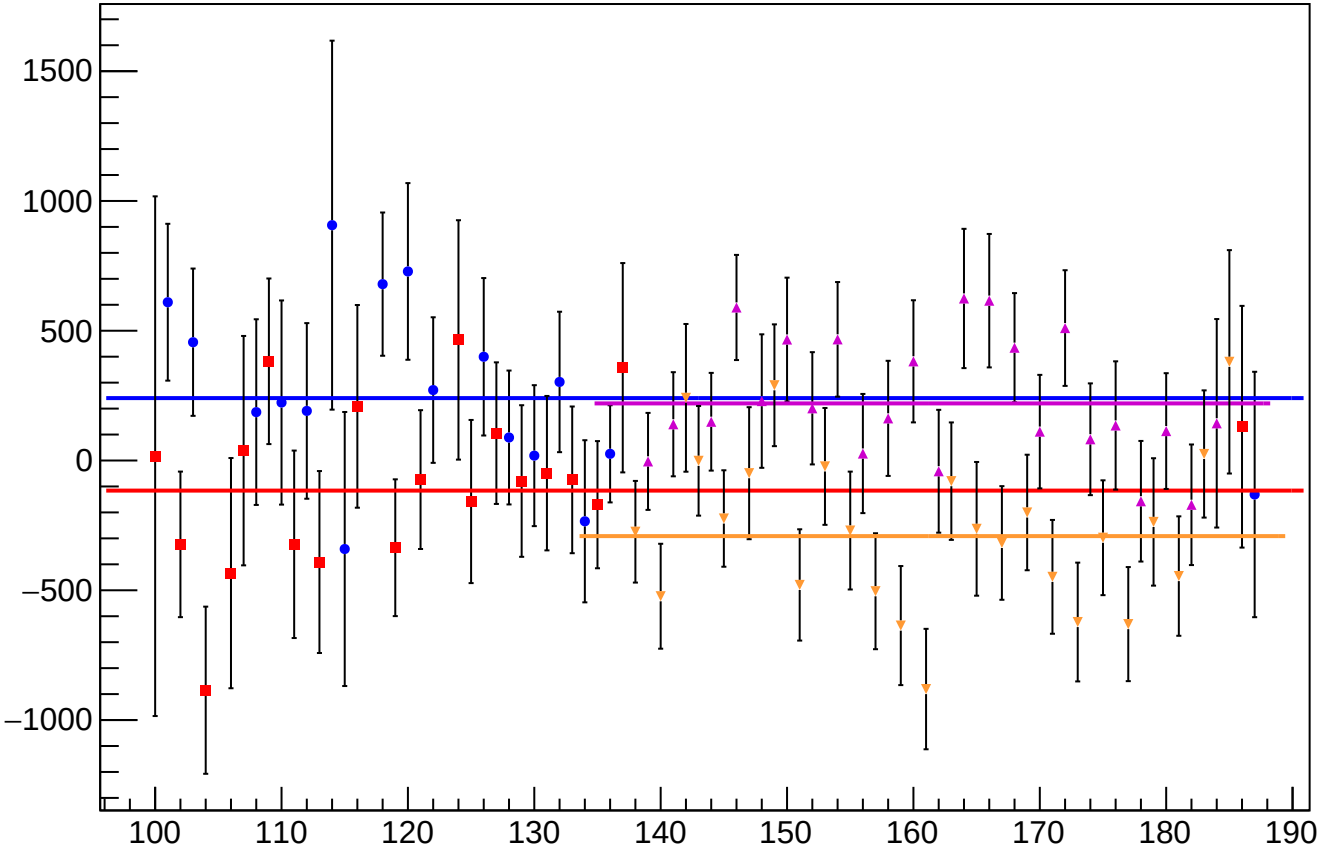
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1615.152+/-0.227 χ^2/NDF: 2755793.8/41

All: 1632.126+/-0.164 χ^2/NDF: 6140301.9/84

- sign 1650.450+/-0.236 χ^2/NDF: 3372887.4/42

cor_asym_sam_26_dd_mean vs Slug



Right In: 240.449+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -115.932+/-73.449 χ^2/NDF: 15.8/19

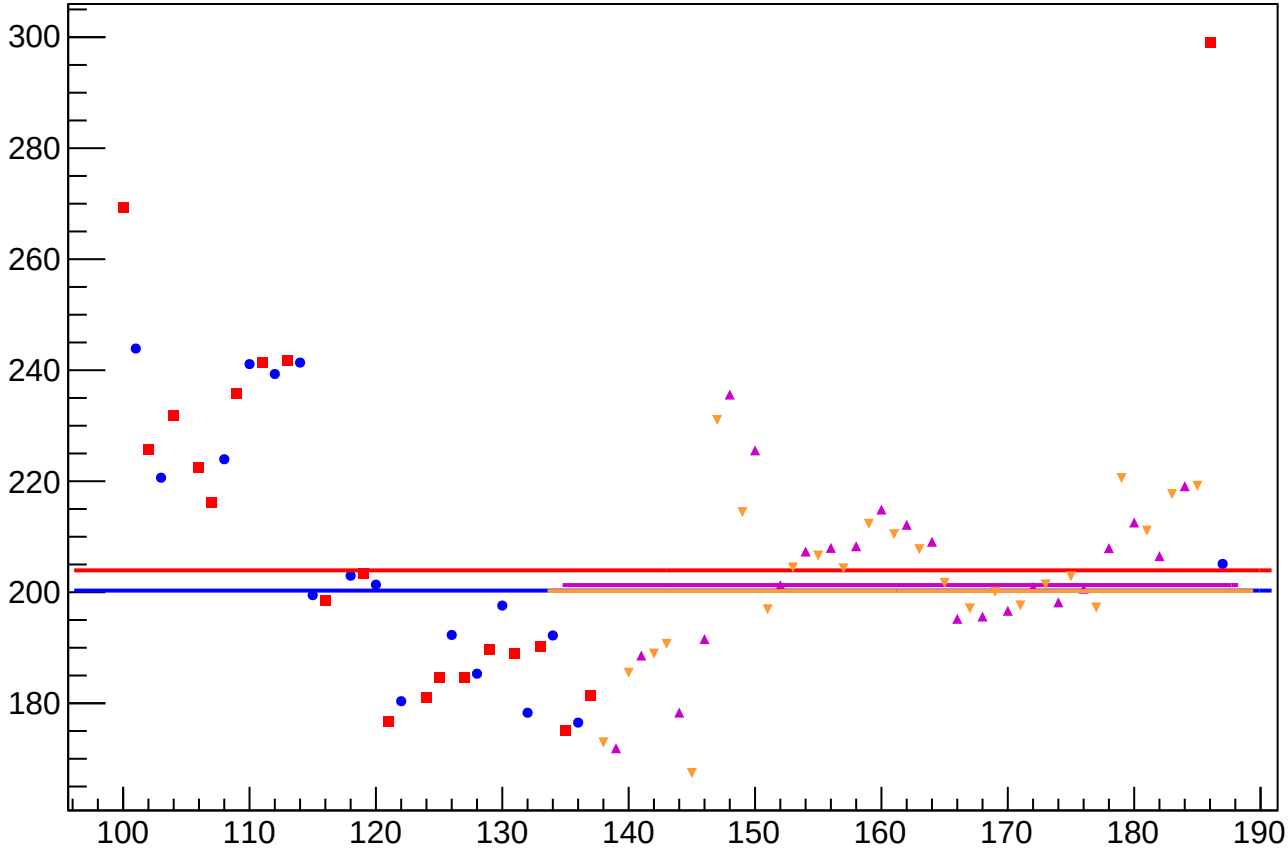
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -144.773+/-38.823 χ^2/NDF: 88.2/41

All: -14.300+/-27.749 χ^2/NDF: 165.6/84

- sign 121.966+/-39.676 χ^2/NDF: 54.3/42

cor_asym_sam_26_dd_rms vs Slug



Right In: 200.298+/-0.052 χ^2/NDF: 181214.0/16

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

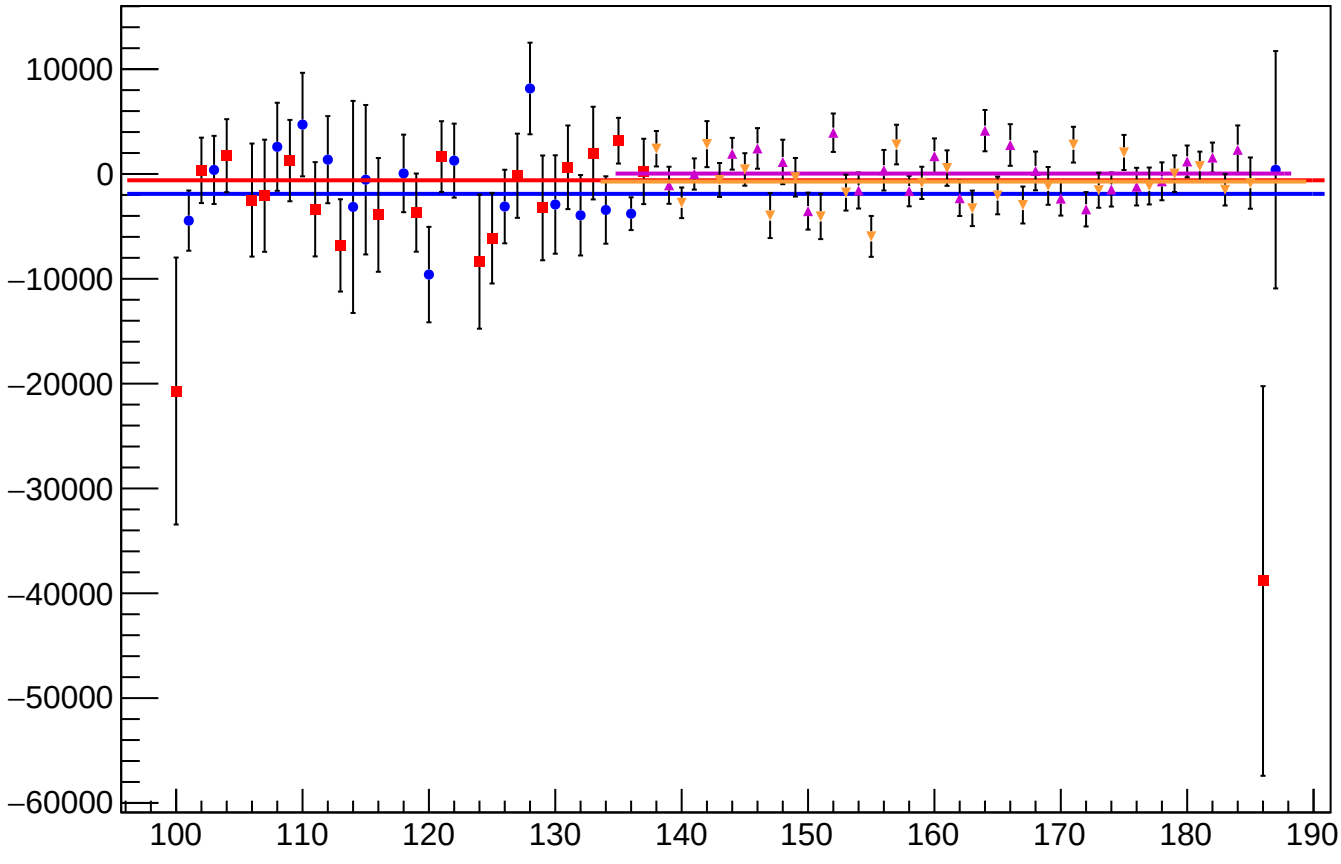
Right Out: 203.941+/-0.052 χ^2/NDF: 280980.0/19

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 200.234+/-0.027 χ^2/NDF: 385610.0/41

All: 201.131+/-0.020 χ^2/NDF: 852256.0/84

\- sign 202.069+/-0.028 χ^2/NDF: 464461.3/42



Right In: -1897.058+/-856.627 χ^2/NDF: 16.3/16

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -601.315+/-900.954 χ^2/NDF: 18.5/19

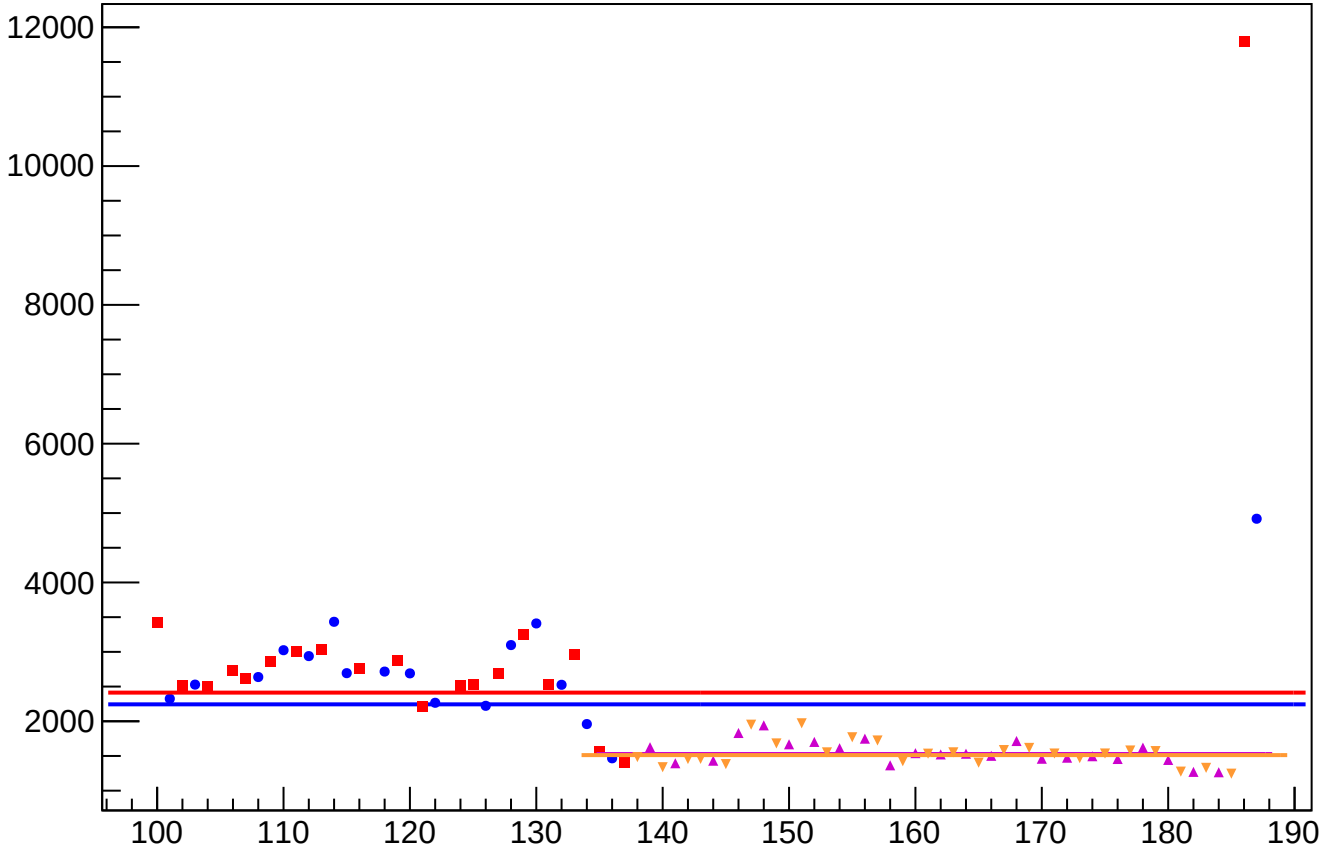
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

\+ sign -886.009+/-321.118 χ^2/NDF: 56.2/41

All: -483.409+/-231.389 χ^2/NDF: 112.8/84

\- sign -48.611+/-333.712 χ^2/NDF: 53.3/42

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2243.833+/-0.606 χ^2/NDF: 1059899.3/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2412.828+/-0.637 χ^2/NDF: 1300770.7/19

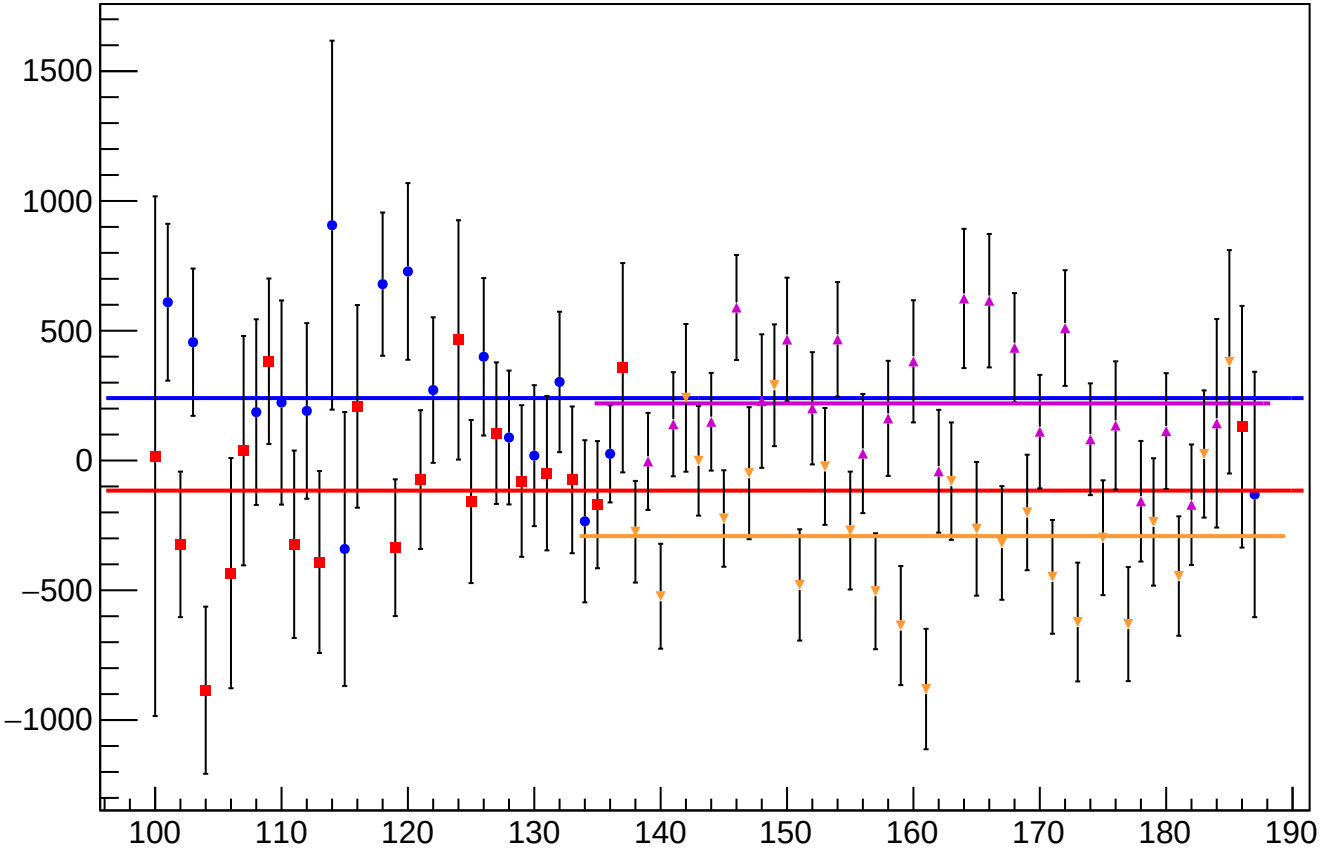
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1615.153+/-0.227 χ^2/NDF: 2755807.3/41

All: 1631.600+/-0.164 χ^2/NDF: 6105864.1/84

- sign 1649.363+/-0.236 χ^2/NDF: 3339143.3/42

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 240.449+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

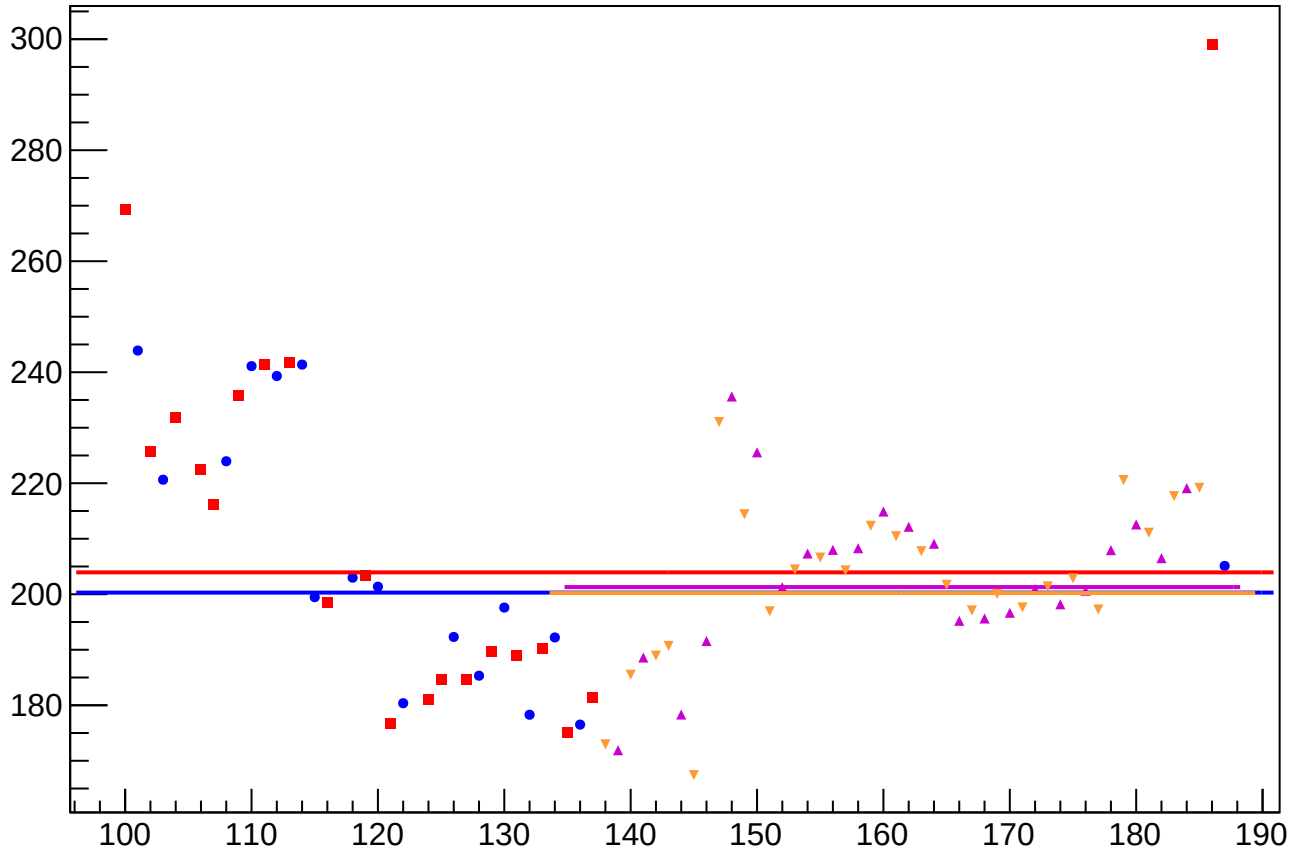
Right Out: -115.932+/-73.449 χ^2/NDF: 15.8/19

Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -144.773+/-38.823 χ^2/NDF: 88.2/41

All: -14.300+/-27.749 χ^2/NDF: 165.6/84

- sign 121.966+/-39.676 χ^2/NDF: 54.3/42



Right In: 200.298+/-0.052 χ^2/NDF: 181214.0/16

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

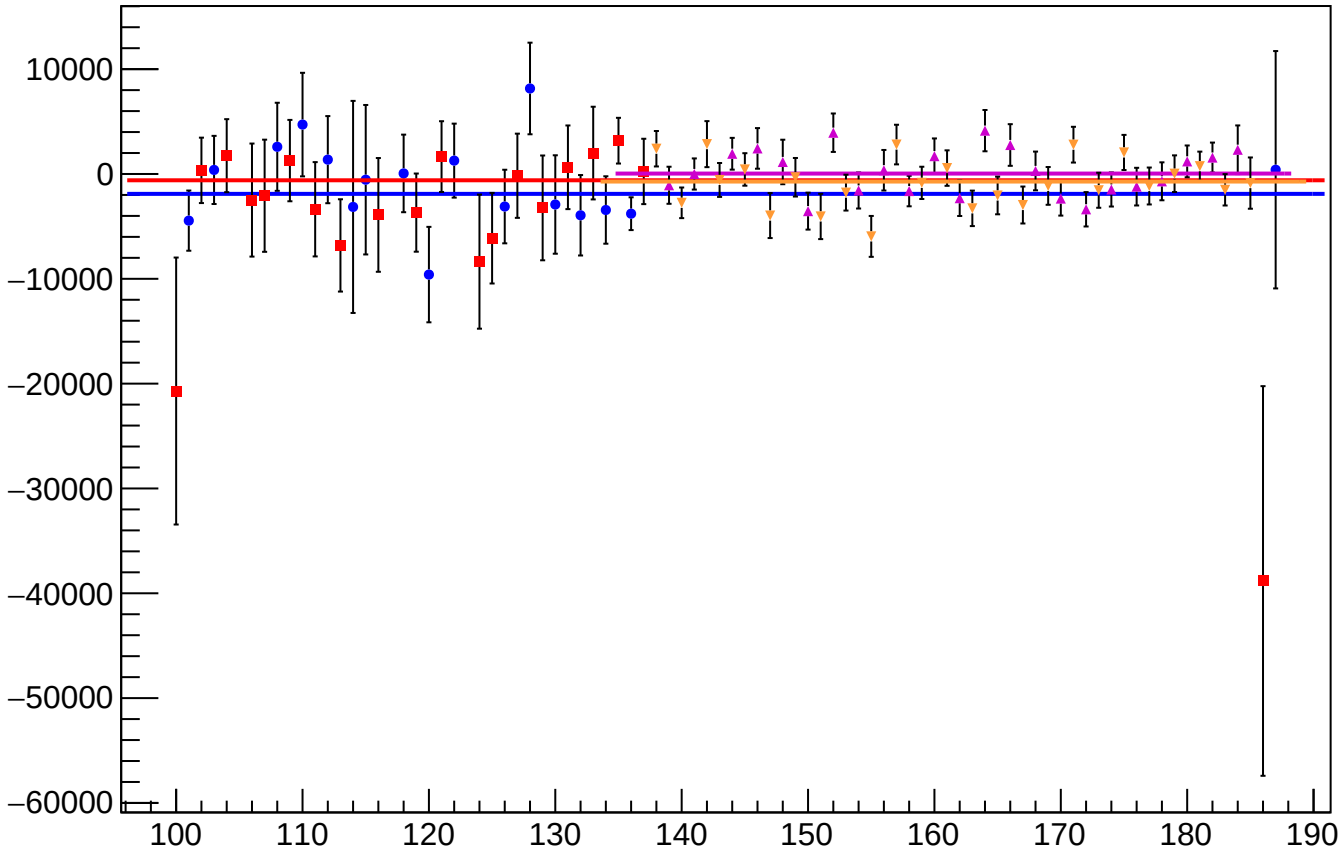
Right Out: 203.941+/-0.052 χ^2/NDF: 280980.0/19

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 200.234+/-0.027 χ^2/NDF: 385610.0/41

All: 201.131+/-0.020 χ^2/NDF: 852256.0/84

- sign 202.069+/-0.028 χ^2/NDF: 464461.3/42



Right In: -1897.058+/-856.627 χ^2/NDF: 16.3/16

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -601.315+/-900.954 χ^2/NDF: 18.5/19

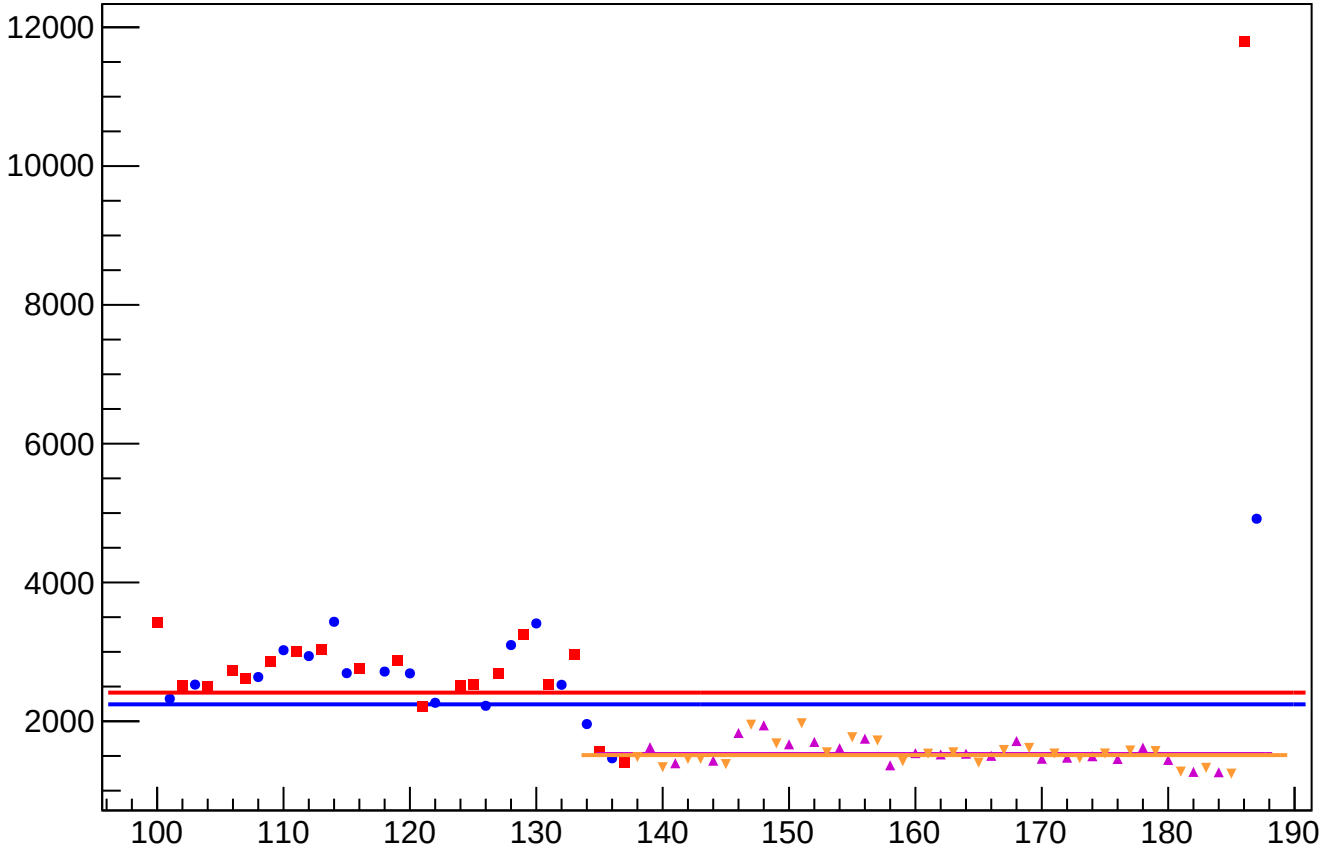
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -886.009+/-321.118 χ^2/NDF: 56.2/41

All: -483.409+/-231.389 χ^2/NDF: 112.8/84

- sign -48.611+/-333.712 χ^2/NDF: 53.3/42

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2243.833+/-0.606 χ^2/NDF: 1059899.3/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2412.828+/-0.637 χ^2/NDF: 1300770.7/19

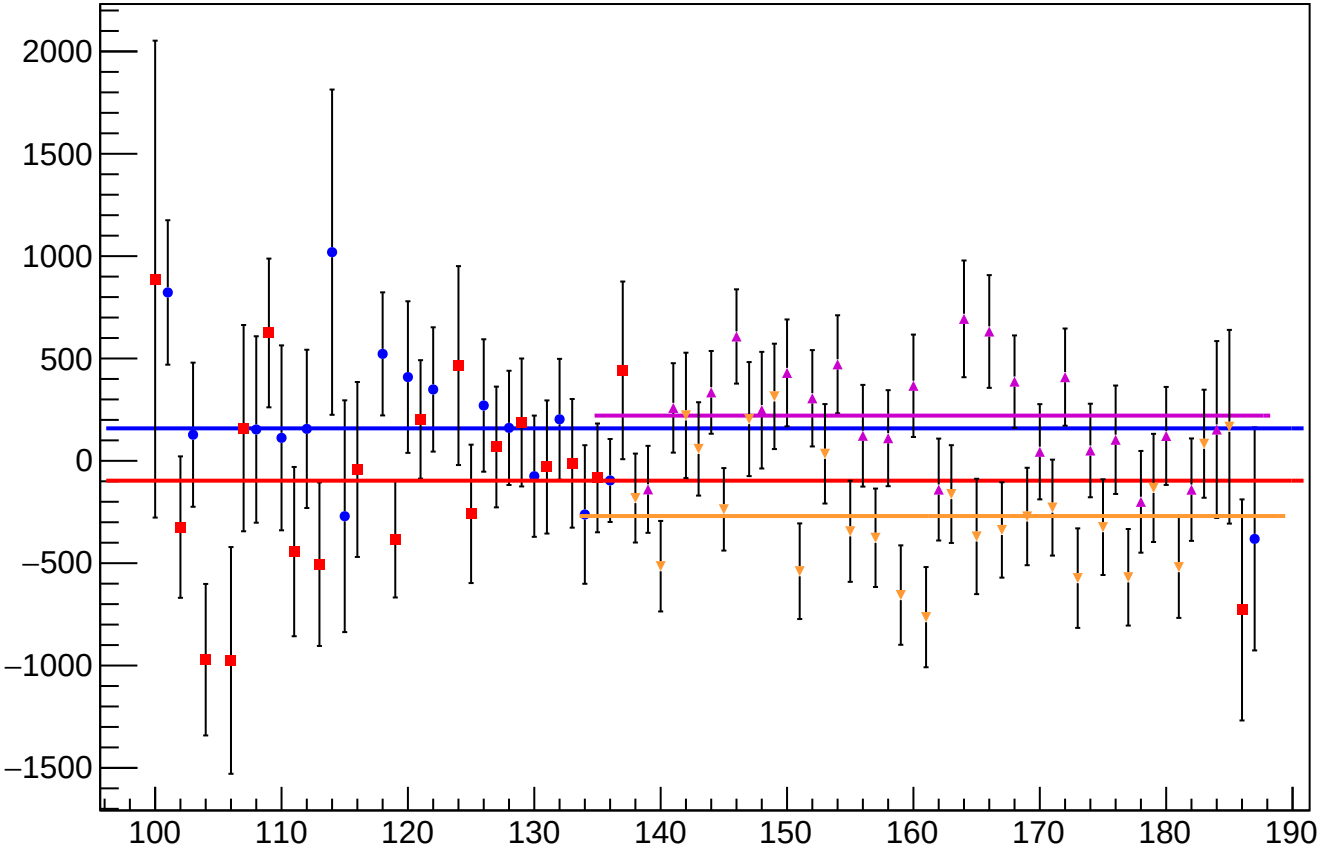
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1615.153+/-0.227 χ^2/NDF: 2755807.3/41

All: 1631.600+/-0.164 χ^2/NDF: 6105864.1/84

- sign 1649.363+/-0.236 χ^2/NDF: 3339143.3/42

dit_asym_sam_26_dd_mean vs Slug



Right In: 158.689+/-82.165 χ^2/NDF: 12.5/16

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -96.909+/-81.597 χ^2/NDF: 23.0/19

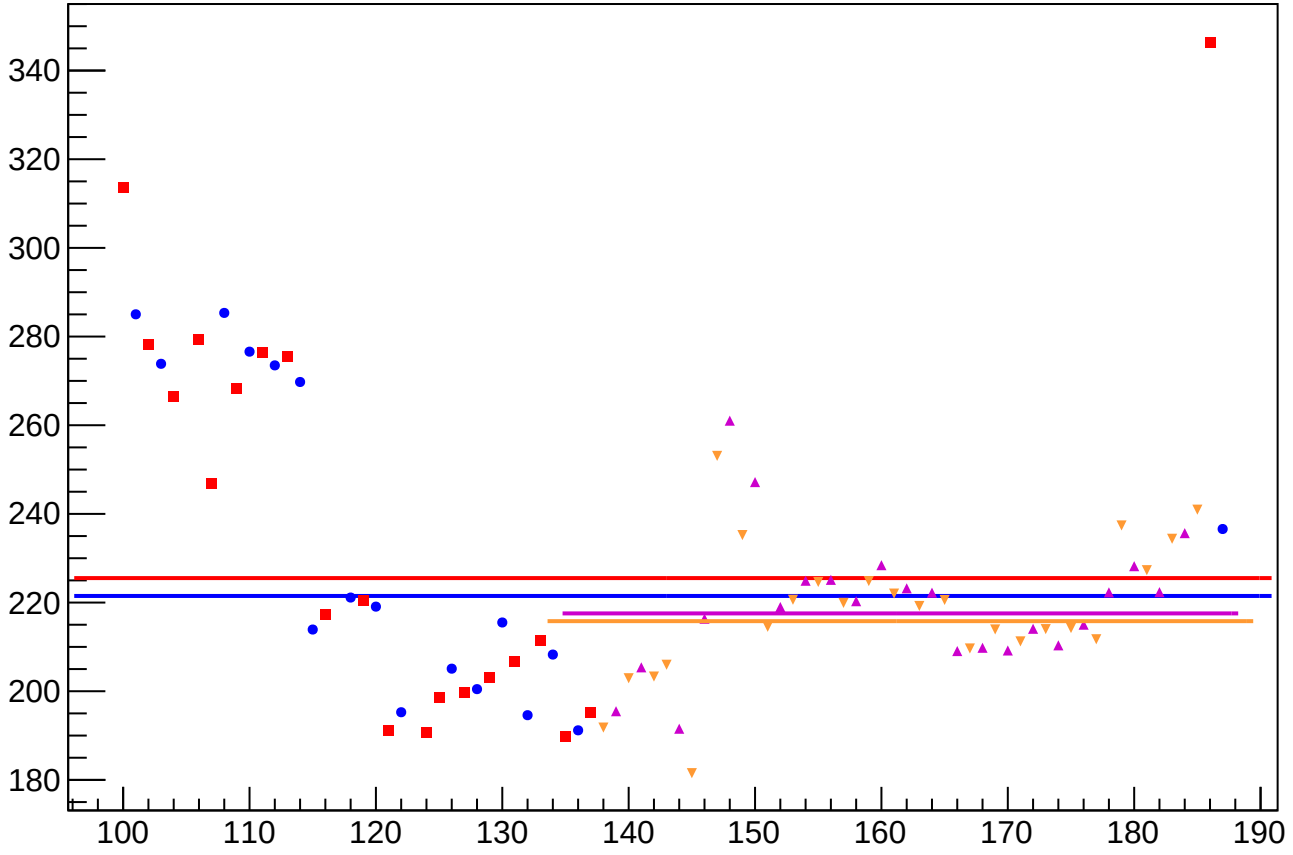
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -156.765+/-42.184 χ^2/NDF: 64.0/41

All: -16.005+/-30.188 χ^2/NDF: 144.1/84

- sign 131.755+/-43.220 χ^2/NDF: 57.3/42

dit_asym_sam_26_dd_rms vs Slug



Right In: 221.491+/-0.058 χ^2/NDF: 320274.6/16

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 225.521+/-0.058 χ^2/NDF: 429532.2/19

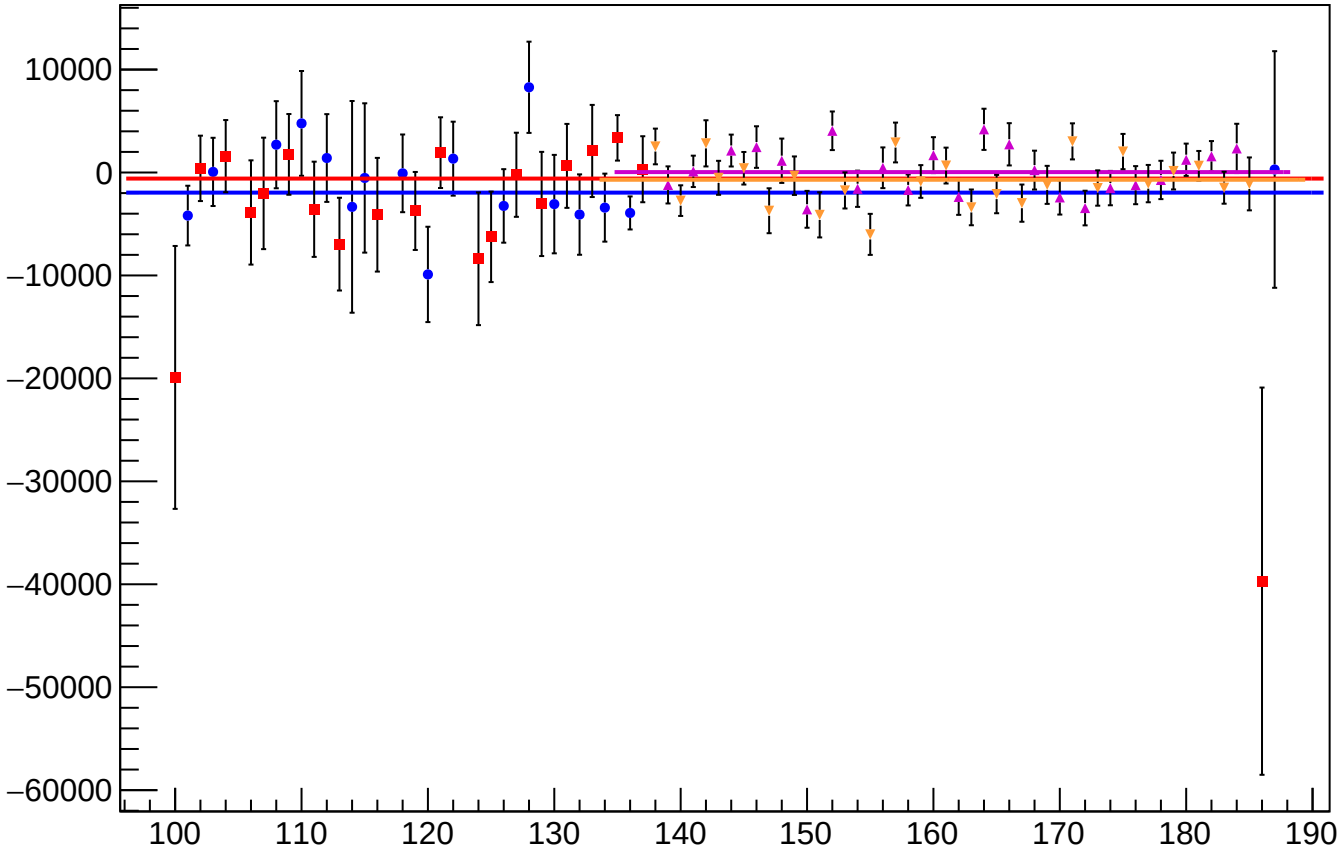
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 217.305+/-0.030 χ^2/NDF: 516022.1/41

All: 218.517+/-0.021 χ^2/NDF: 1123722.0/84

- sign 219.790+/-0.031 χ^2/NDF: 604313.9/42

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1954.339+/-874.071 χ^2/NDF: 16.2/16

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -589.788+/-913.679 χ^2/NDF: 19.1/19

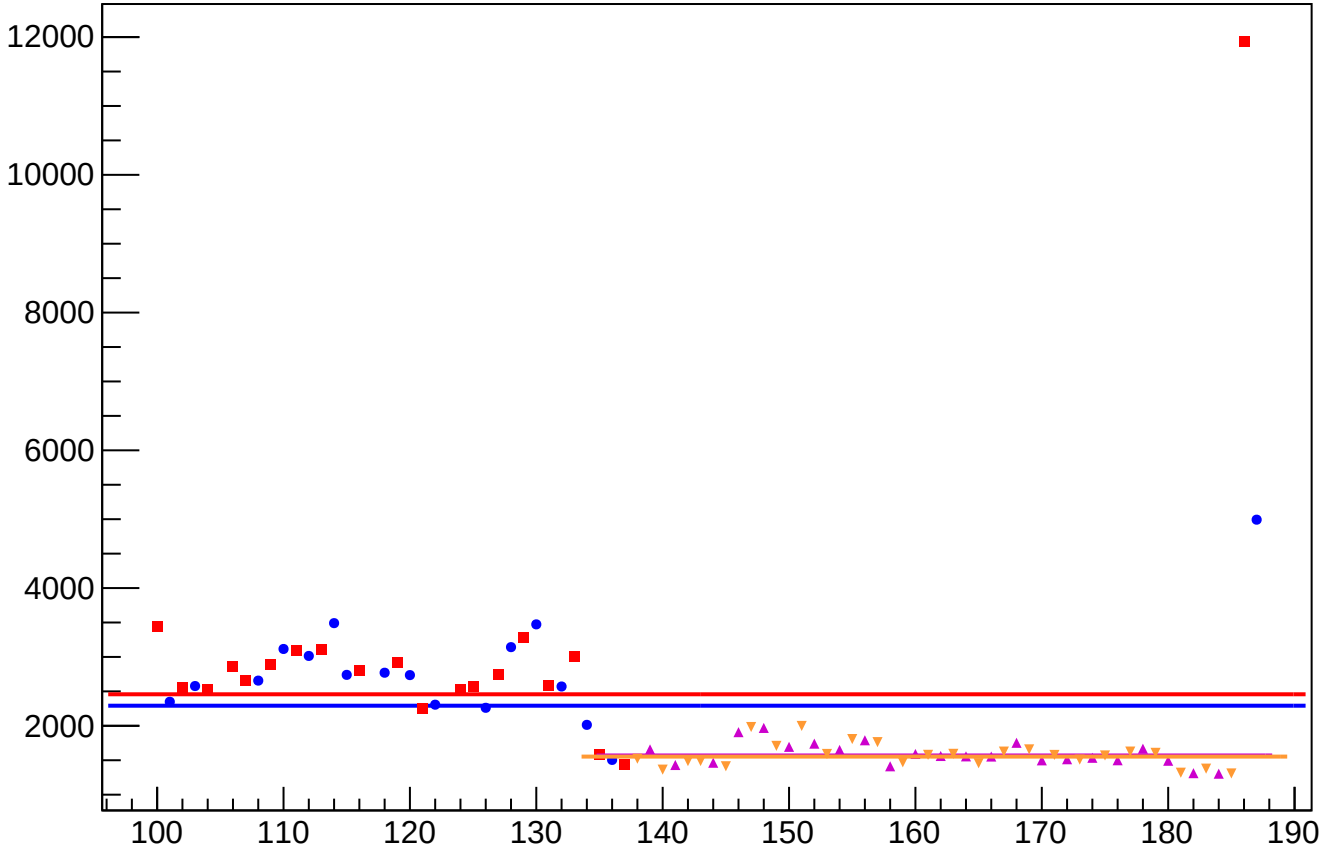
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -881.450+/-329.275 χ^2/NDF: 55.6/41

All: -480.848+/-237.220 χ^2/NDF: 112.5/84

- sign -48.559+/-342.049 χ^2/NDF: 53.8/42

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2291.849+/-0.618 χ^2/NDF: 1038100.7/16

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2457.770+/-0.646 χ^2/NDF: 1300472.4/19

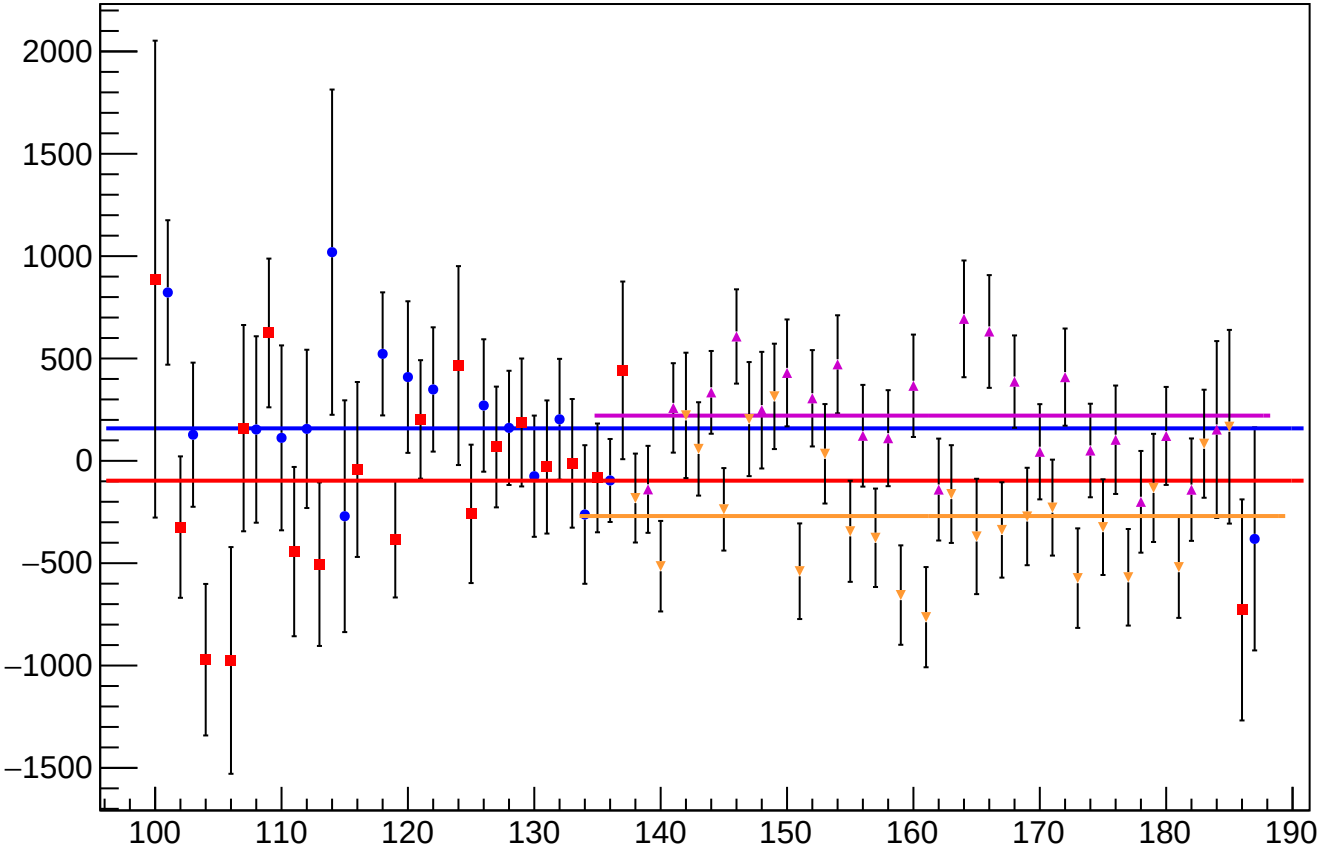
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1657.869+/-0.233 χ^2/NDF: 2674219.9/41

All: 1675.194+/-0.168 χ^2/NDF: 5969499.4/84

- sign 1693.890+/-0.242 χ^2/NDF: 3283767.6/42

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 158.690+/-82.165 χ^2/NDF: 12.5/16

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -96.906+/-81.597 χ^2/NDF: 23.0/19

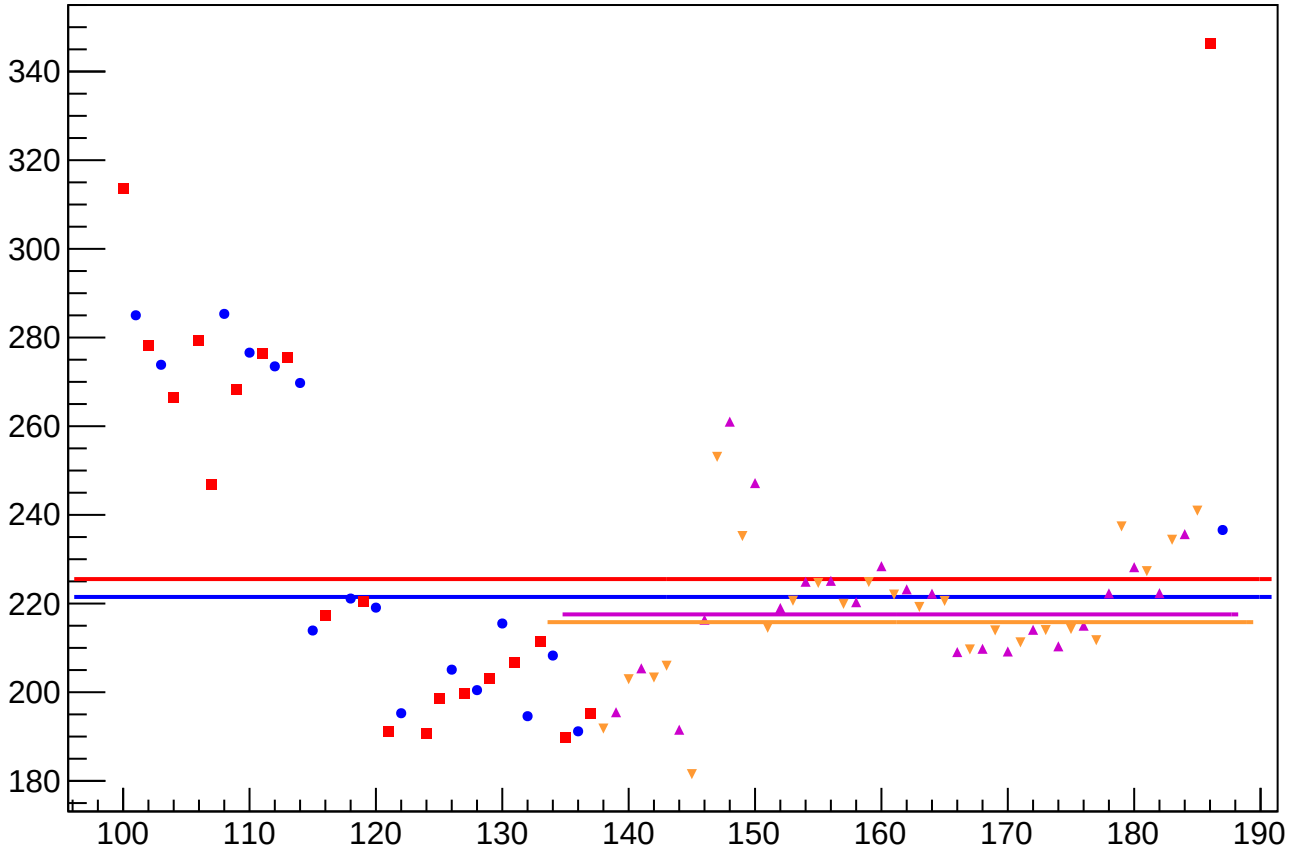
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -156.766+/-42.184 χ^2/NDF: 64.0/41

All: -16.005+/-30.188 χ^2/NDF: 144.1/84

- sign 131.755+/-43.220 χ^2/NDF: 57.3/42

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 221.489+/-0.058 χ^2/NDF: 320269.6/16

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

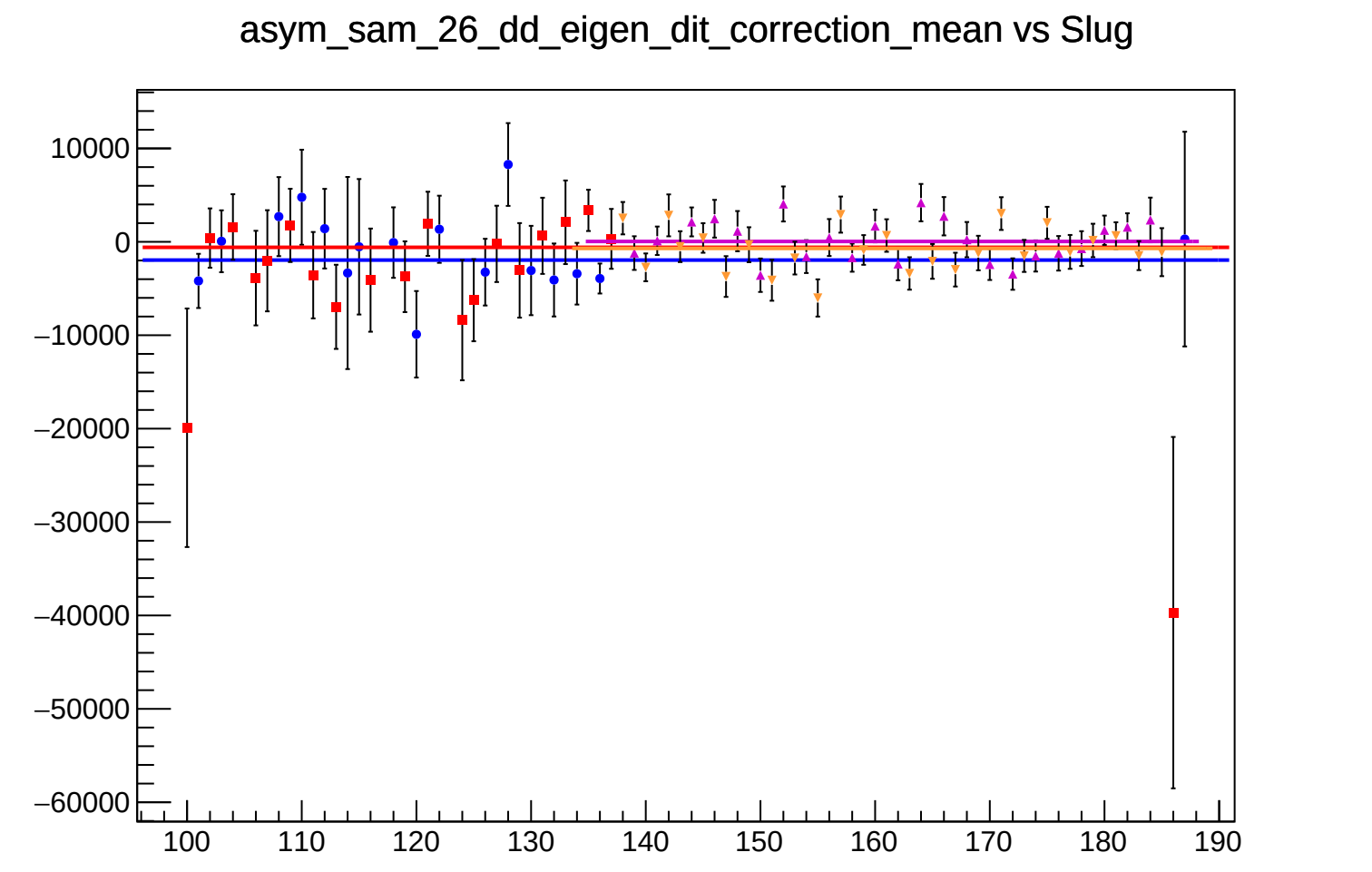
Right Out: 225.520+/-0.058 χ^2/NDF: 429518.3/19

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 217.304+/-0.030 χ^2/NDF: 516018.6/41

All: 218.517+/-0.021 χ^2/NDF: 1123704.6/84

- sign 219.789+/-0.031 χ^2/NDF: 604300.0/42



Right In: -1954.334+/-874.069 χ^2/NDF: 16.2/16

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -589.790+/-913.677 χ^2/NDF: 19.1/19

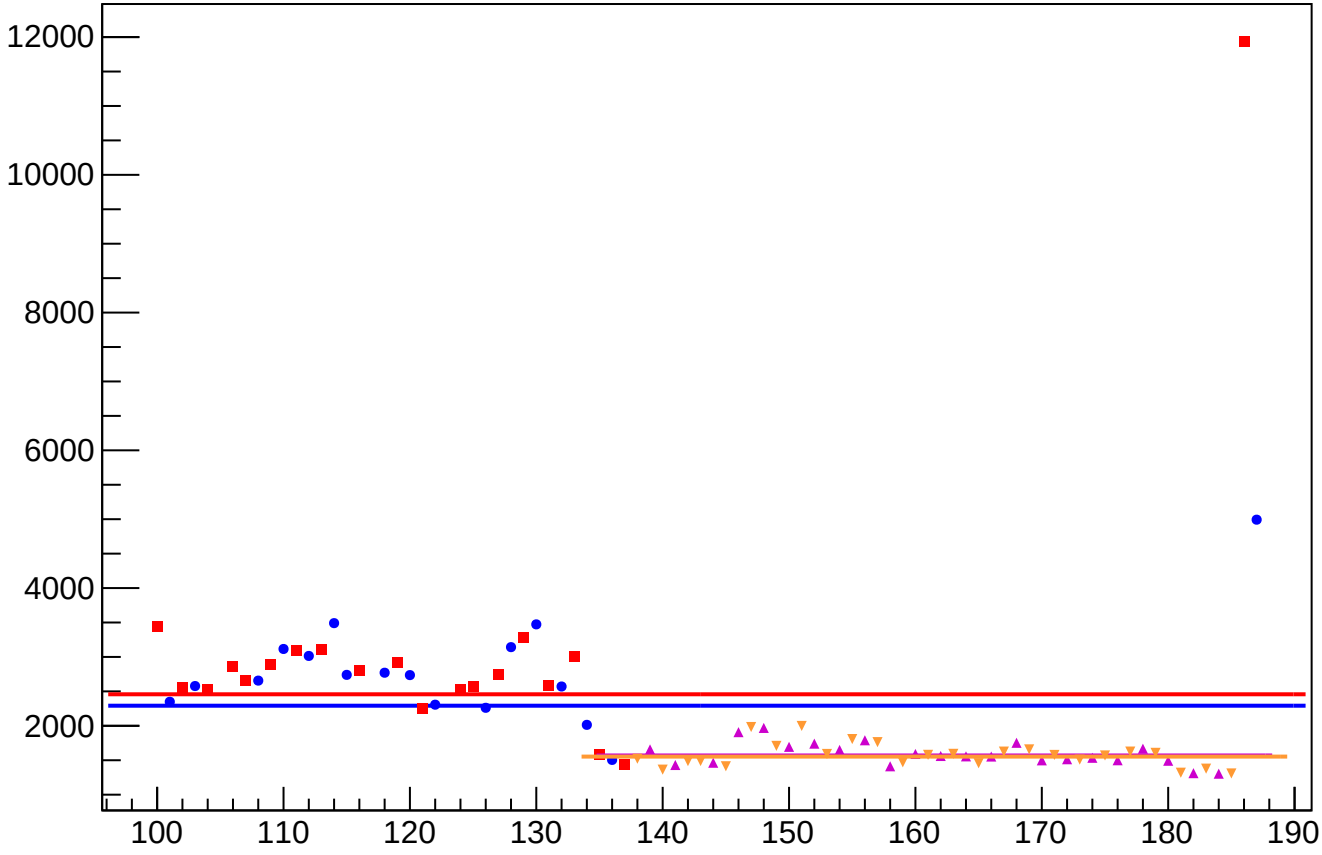
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -881.450+/-329.275 χ^2/NDF: 55.6/41

All: -480.848+/-237.220 χ^2/NDF: 112.5/84

- sign -48.560+/-342.049 χ^2/NDF: 53.8/42

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2291.846+/-0.618 χ^2/NDF: 1038091.2/16

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2457.767+/-0.646 χ^2/NDF: 1300466.4/19

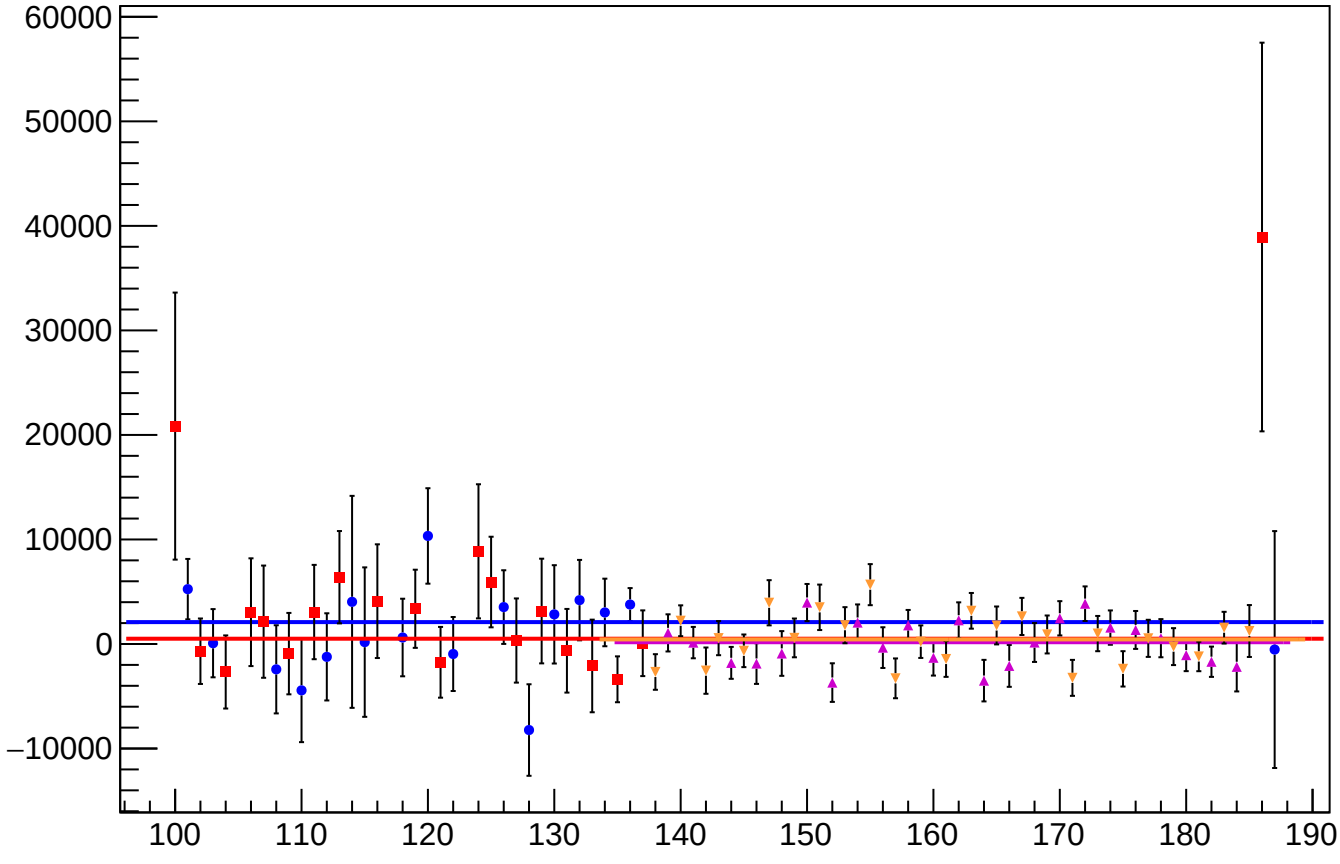
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1657.869+/-0.233 χ^2/NDF: 2674205.9/41

All: 1675.194+/-0.168 χ^2/NDF: 5969473.1/84

- sign 1693.890+/-0.242 χ^2/NDF: 3283755.6/42

asym_sam_26_dd_mean vs Slug



Right In: 2094.296+/-860.797 χ^2/NDF: 16.7/16

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 505.038+/-903.345 χ^2/NDF: 18.9/19

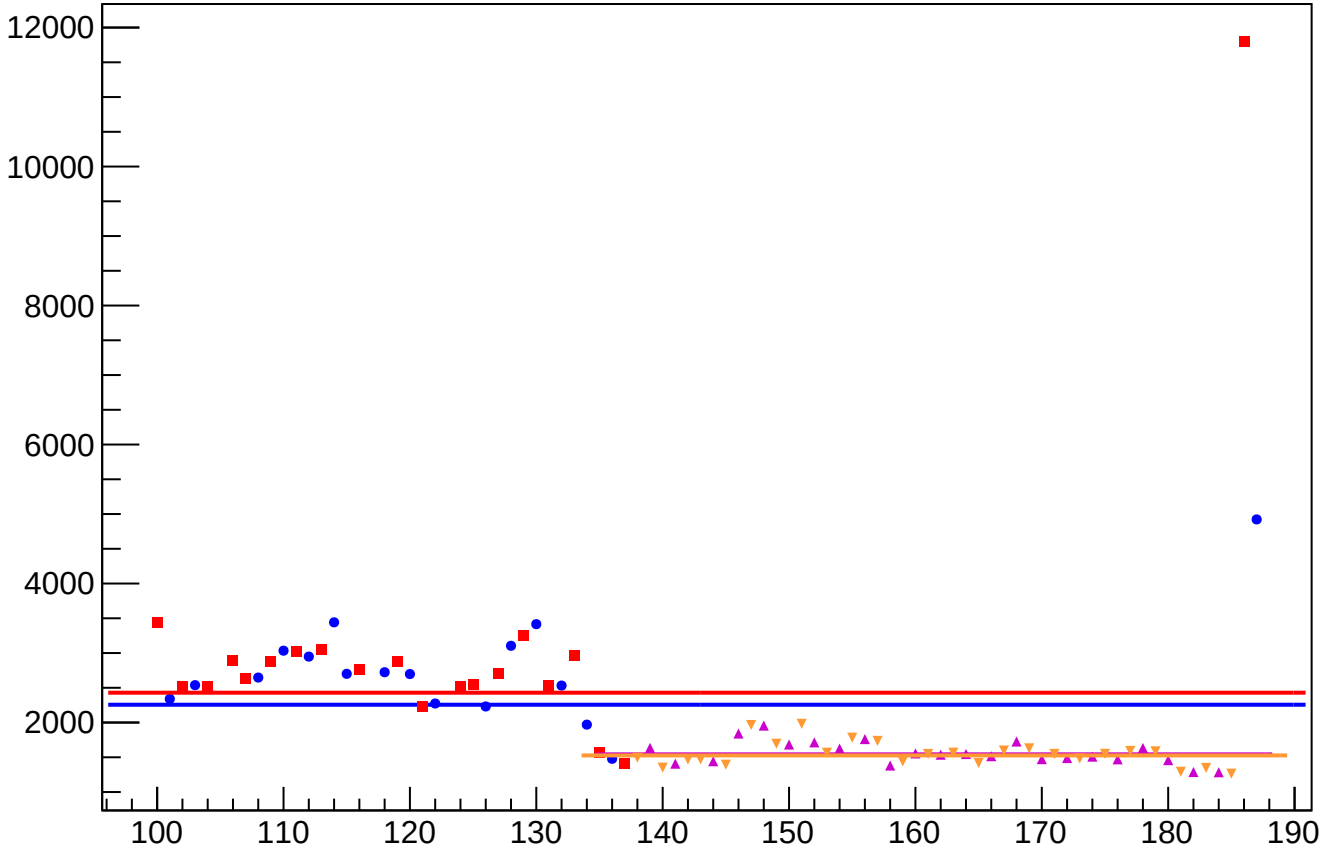
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 672.085+/-323.891 χ^2/NDF: 58.7/41

All: 452.882+/-233.343 χ^2/NDF: 111.7/84

- sign 216.331+/-336.463 χ^2/NDF: 52.1/42

asym_sam_26_dd_rms vs Slug



Right In: 2256.101+/-0.609 χ^2/NDF: 1044975.4/16

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2429.295+/-0.639 χ^2/NDF: 1298066.6/19

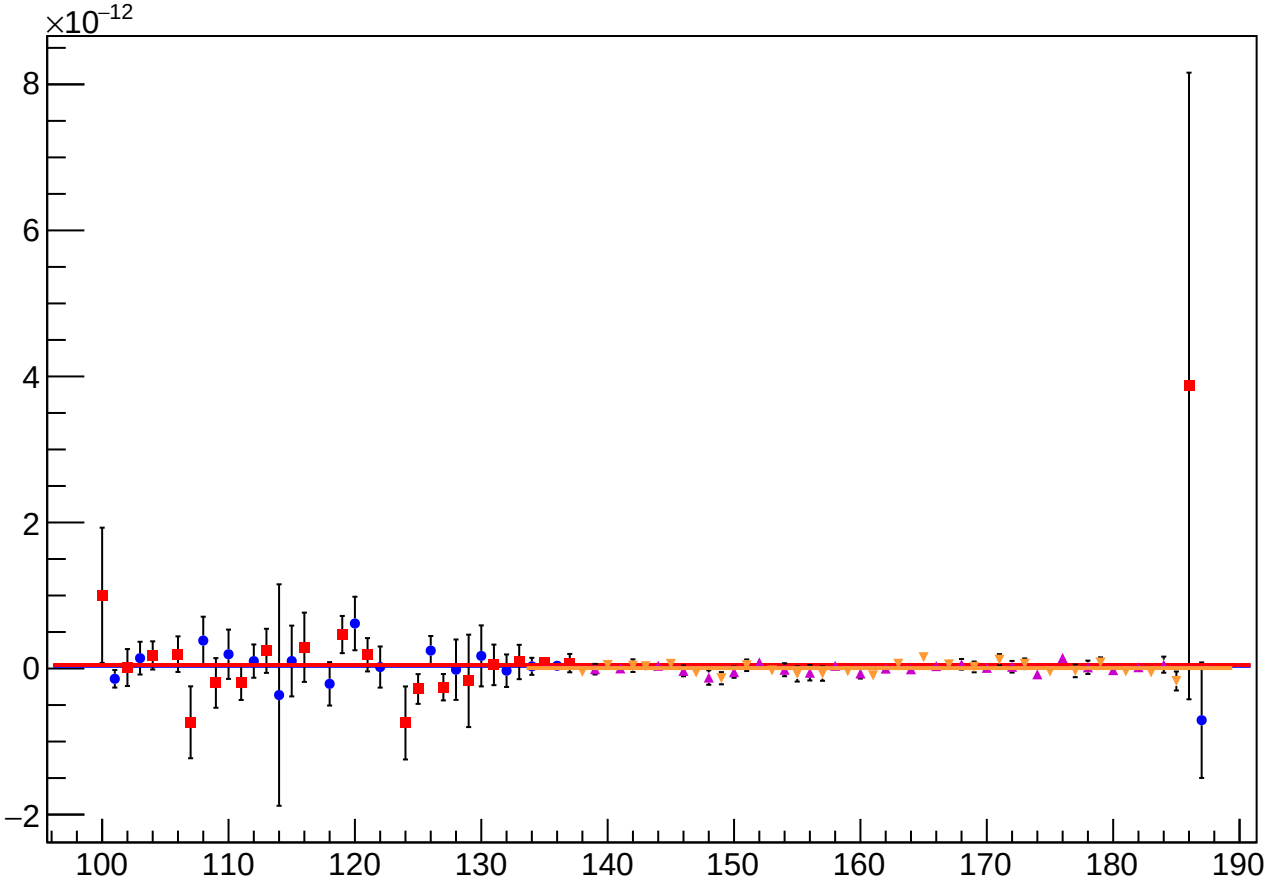
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1629.989+/-0.229 χ^2/NDF: 2707070.5/41

All: 1646.982+/-0.165 χ^2/NDF: 6039765.3/84

- sign 1665.320+/-0.238 χ^2/NDF: 3321249.0/42

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

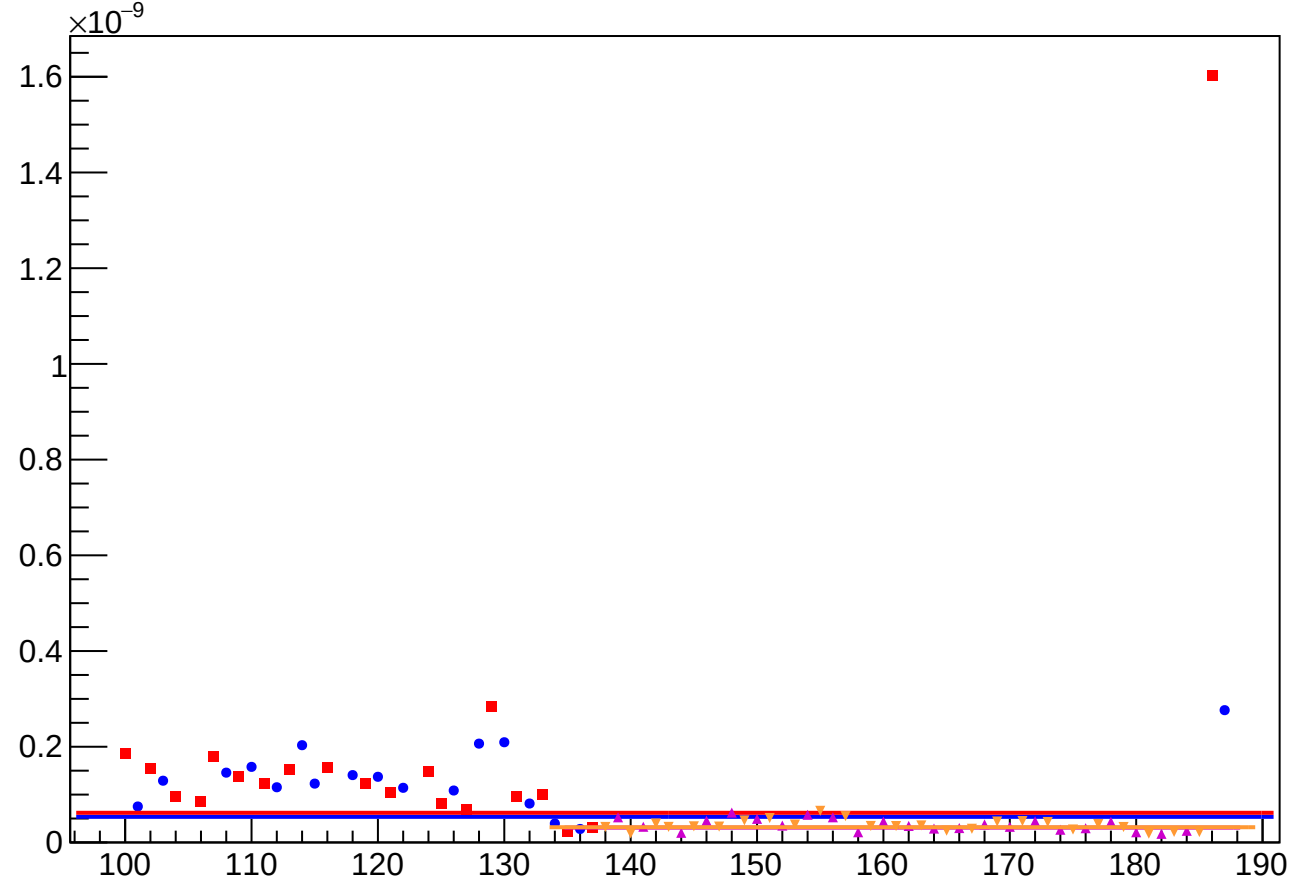
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/19

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.7/41

All: 0.000+/-0.000 χ^2/NDF: 77.5/84

- sign 0.000+/-0.000 χ^2/NDF: 36.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 2735683.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2674341.2/19

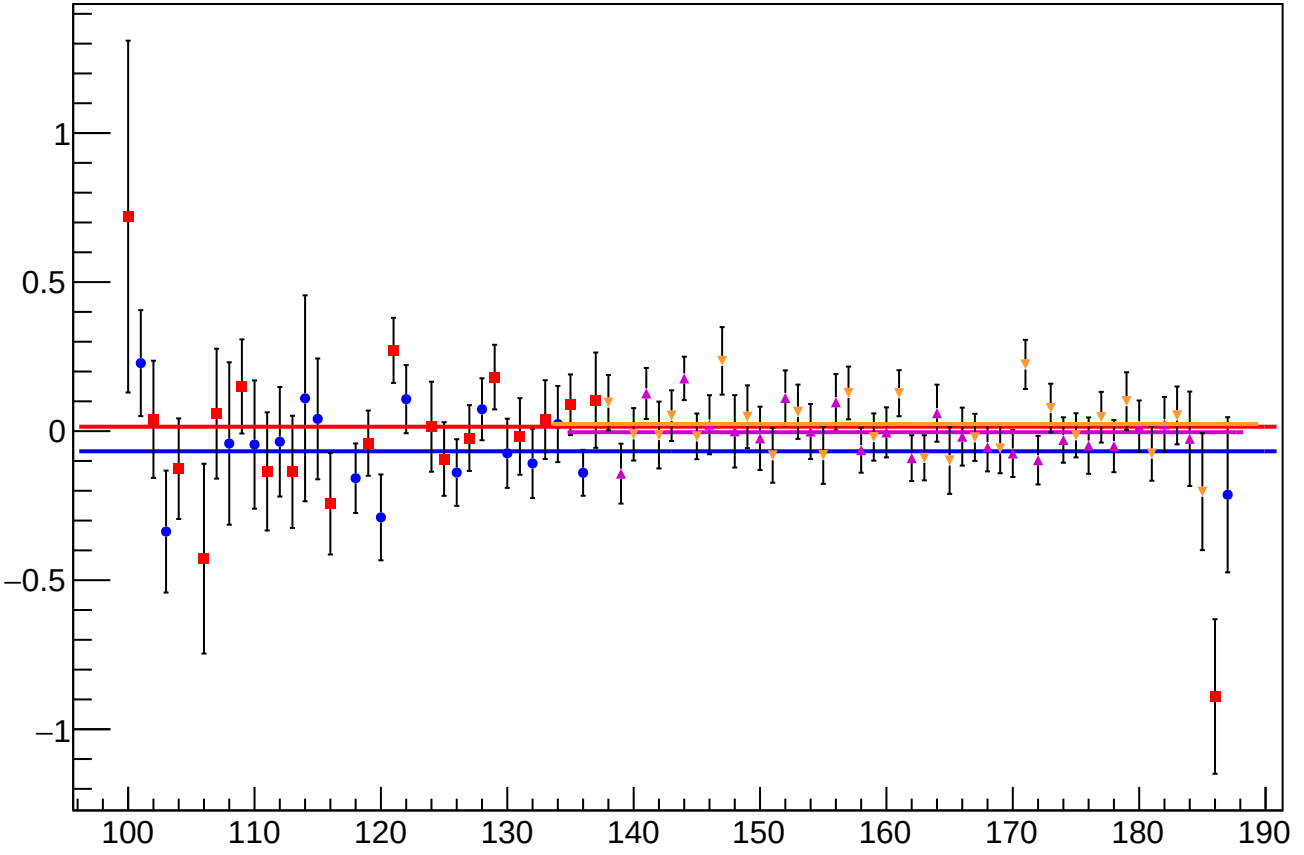
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 4609388.6/41

All: 0.000+/-0.000 χ^2/NDF: 9821368.8/84

- sign 0.000+/-0.000 χ^2/NDF: 5209533.0/42

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.015+/-0.033 χ^2/NDF: 30.5/19

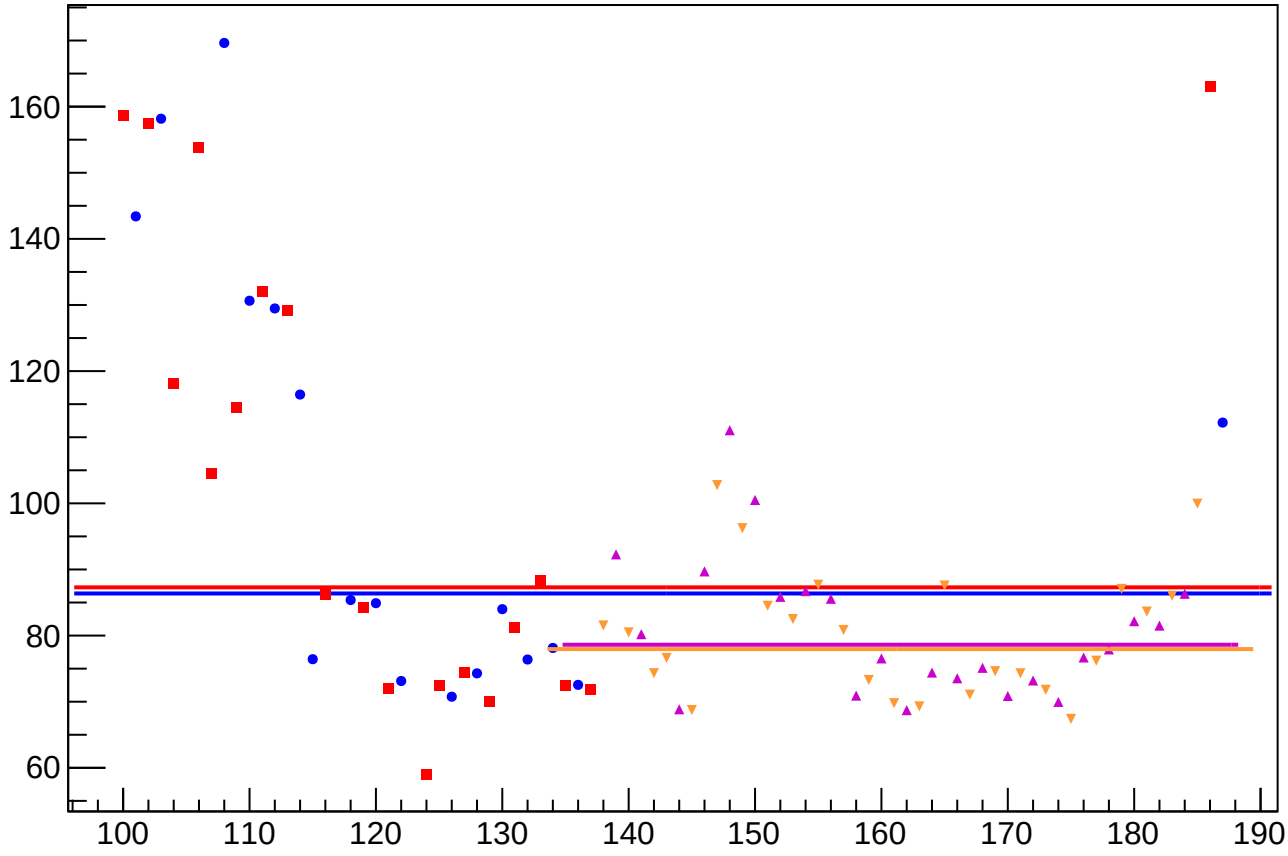
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.003+/-0.016 χ^2/NDF: 46.0/41

All: 0.002+/-0.011 χ^2/NDF: 95.5/84

- sign 0.001+/-0.016 χ^2/NDF: 49.6/42

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 86.369+/-0.023 χ^2/NDF: 1055064.5/16

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

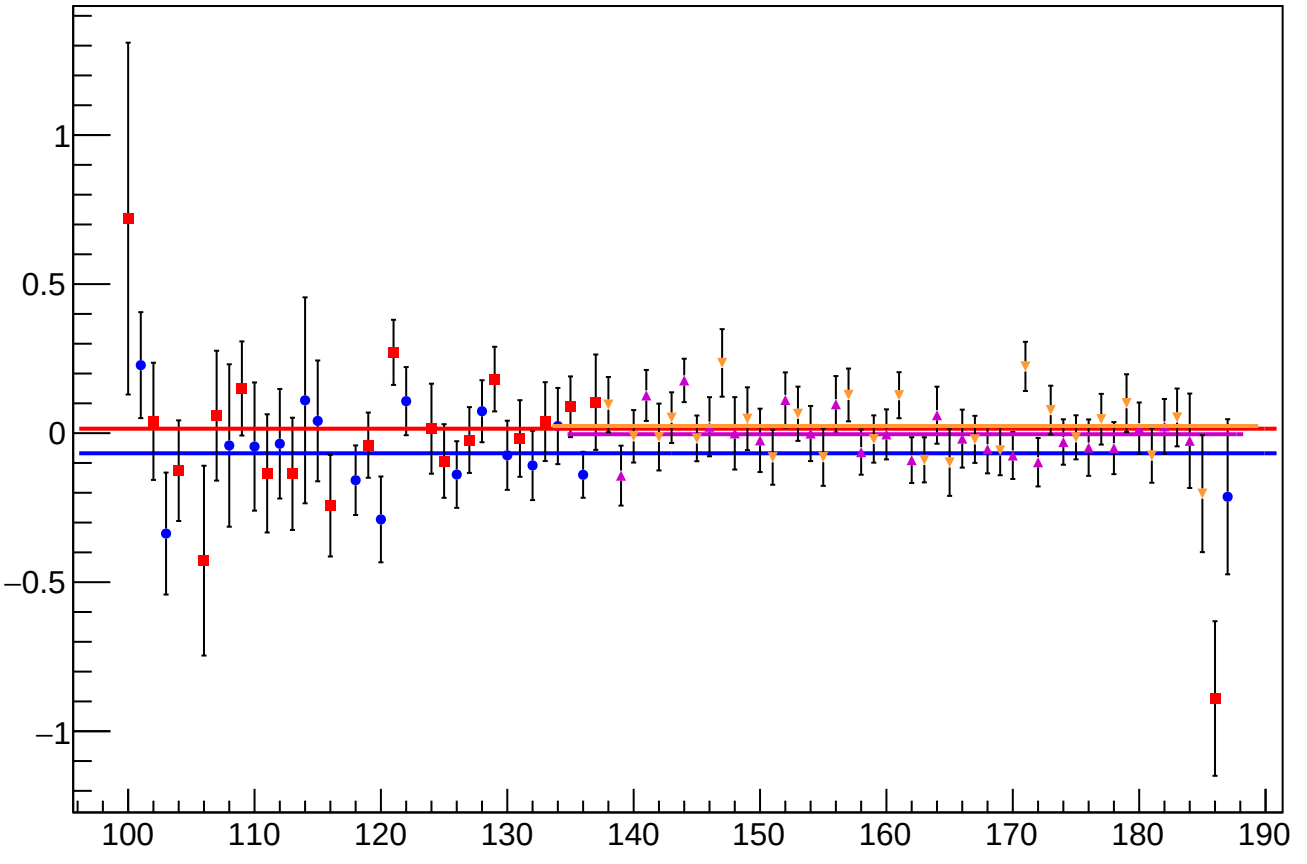
Right Out: 87.296+/-0.023 χ^2/NDF: 1164503.0/19

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 79.859+/-0.011 χ^2/NDF: 1595113.4/41

All: 80.283+/-0.008 χ^2/NDF: 3367012.2/84

- sign 80.731+/-0.011 χ^2/NDF: 1768900.5/42



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

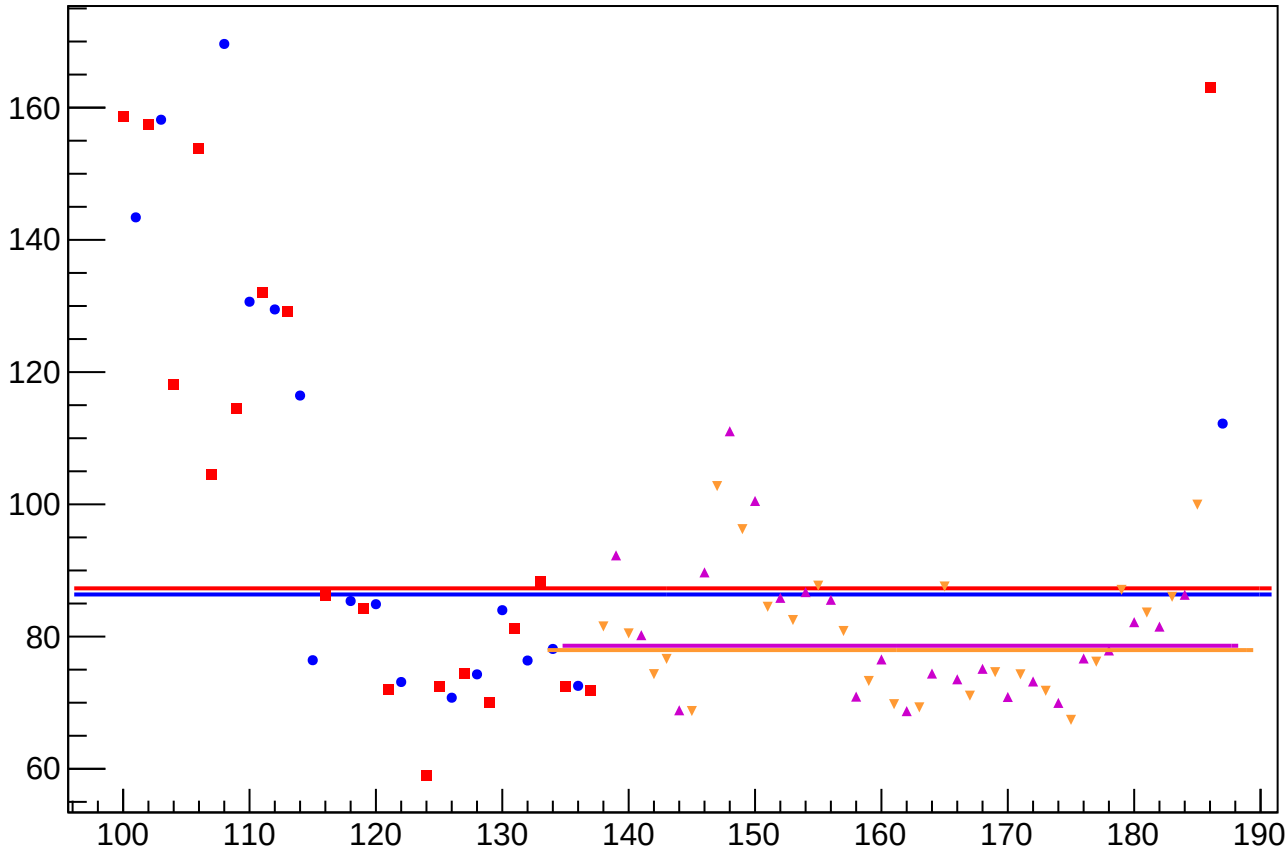
Right Out: 0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.003+/-0.016 χ^2/NDF: 46.0/41

All: 0.002+/-0.011 χ^2/NDF: 95.5/84

- sign 0.001+/-0.016 χ^2/NDF: 49.6/42



Right In: 86.369+/-0.023 χ^2/NDF: 1055064.5/16

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

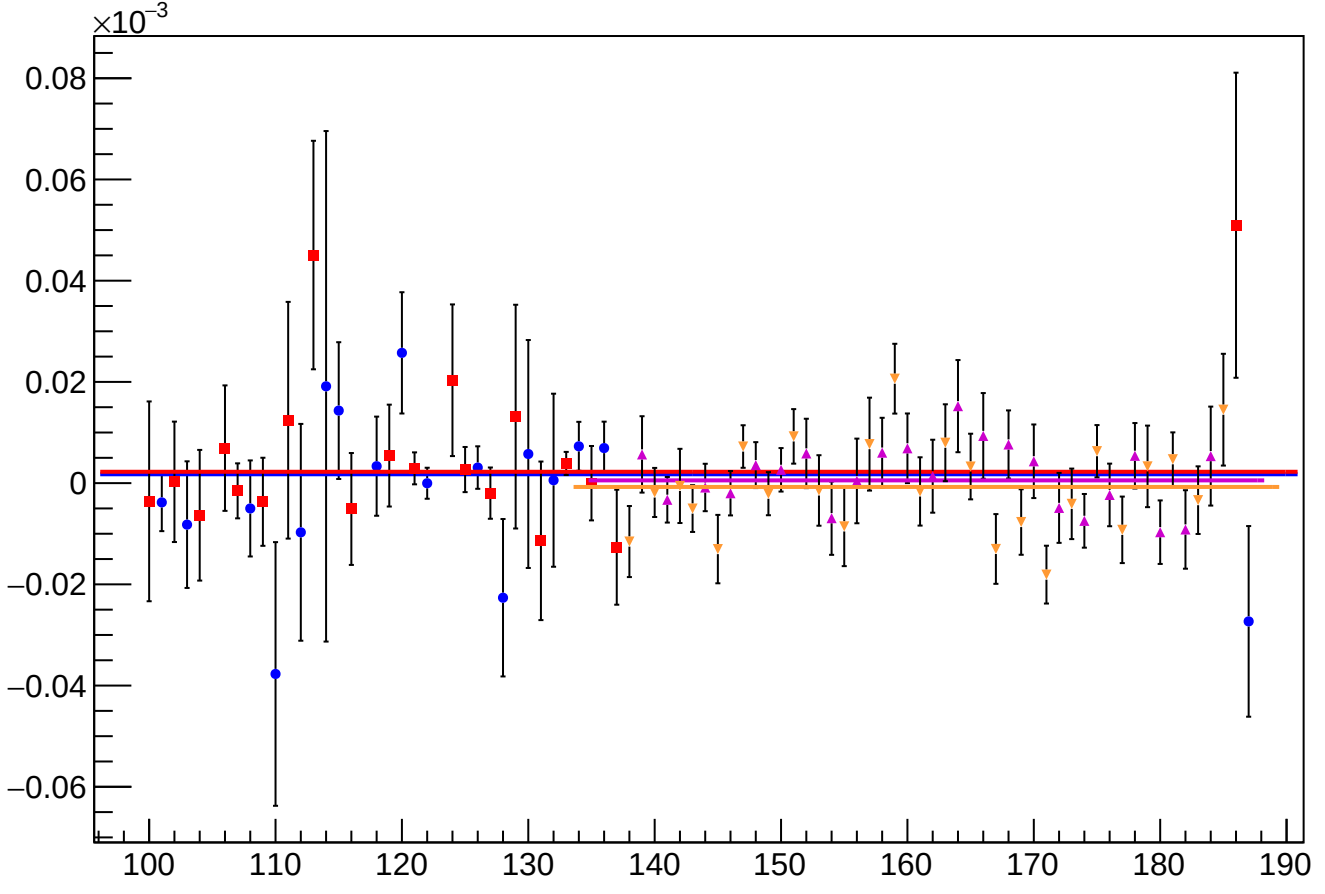
Right Out: 87.296+/-0.023 χ^2/NDF: 1164503.0/19

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 79.859+/-0.011 χ^2/NDF: 1595113.4/41

All: 80.283+/-0.008 χ^2/NDF: 3367012.2/84

- sign 80.731+/-0.011 χ^2/NDF: 1768900.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

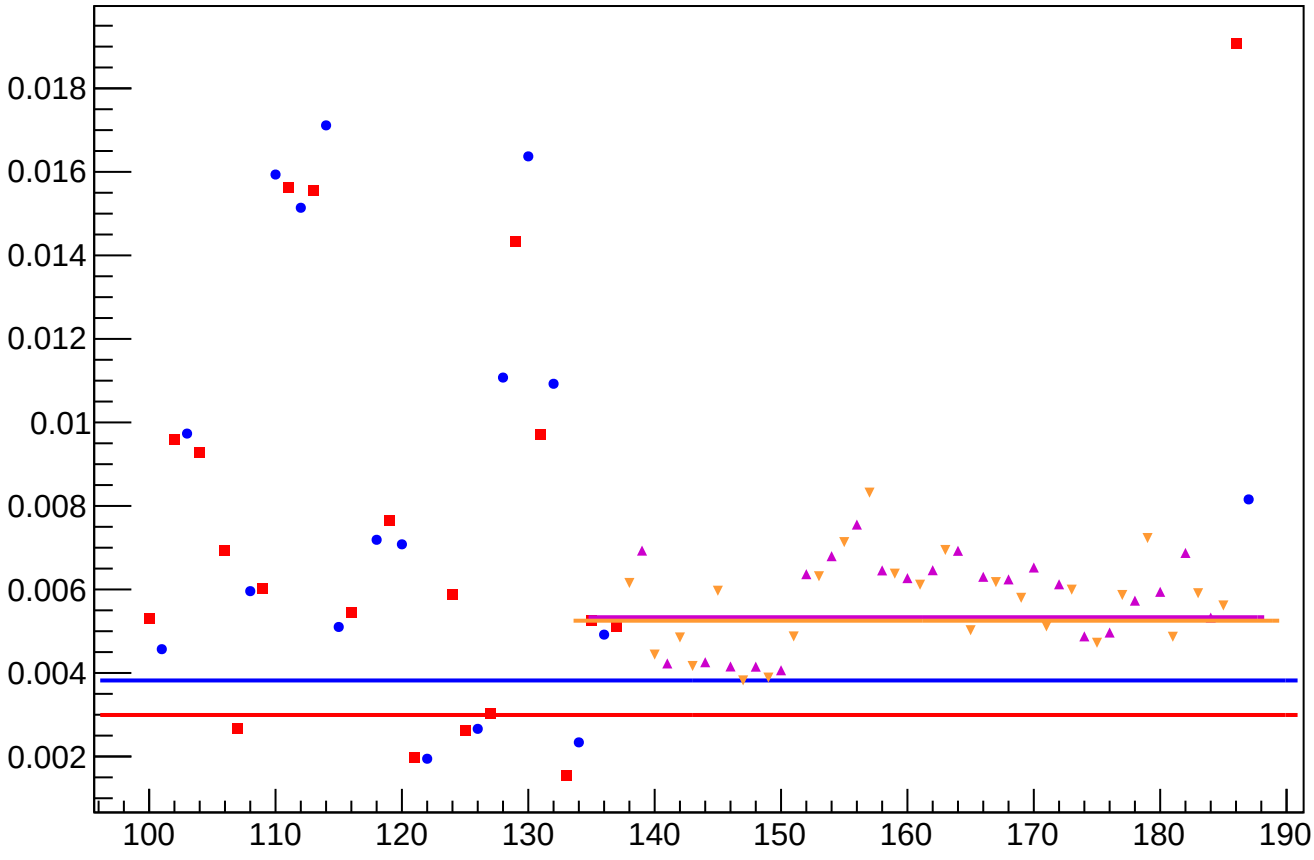
Right Out: 0.000+/-0.000 χ^2/NDF: 14.1/19

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.3/41

All: 0.000+/-0.000 χ^2/NDF: 100.6/84

- sign 0.000+/-0.000 χ^2/NDF: 33.6/42



Right In: 0.004+/-0.000 χ^2/NDF: 4801178.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

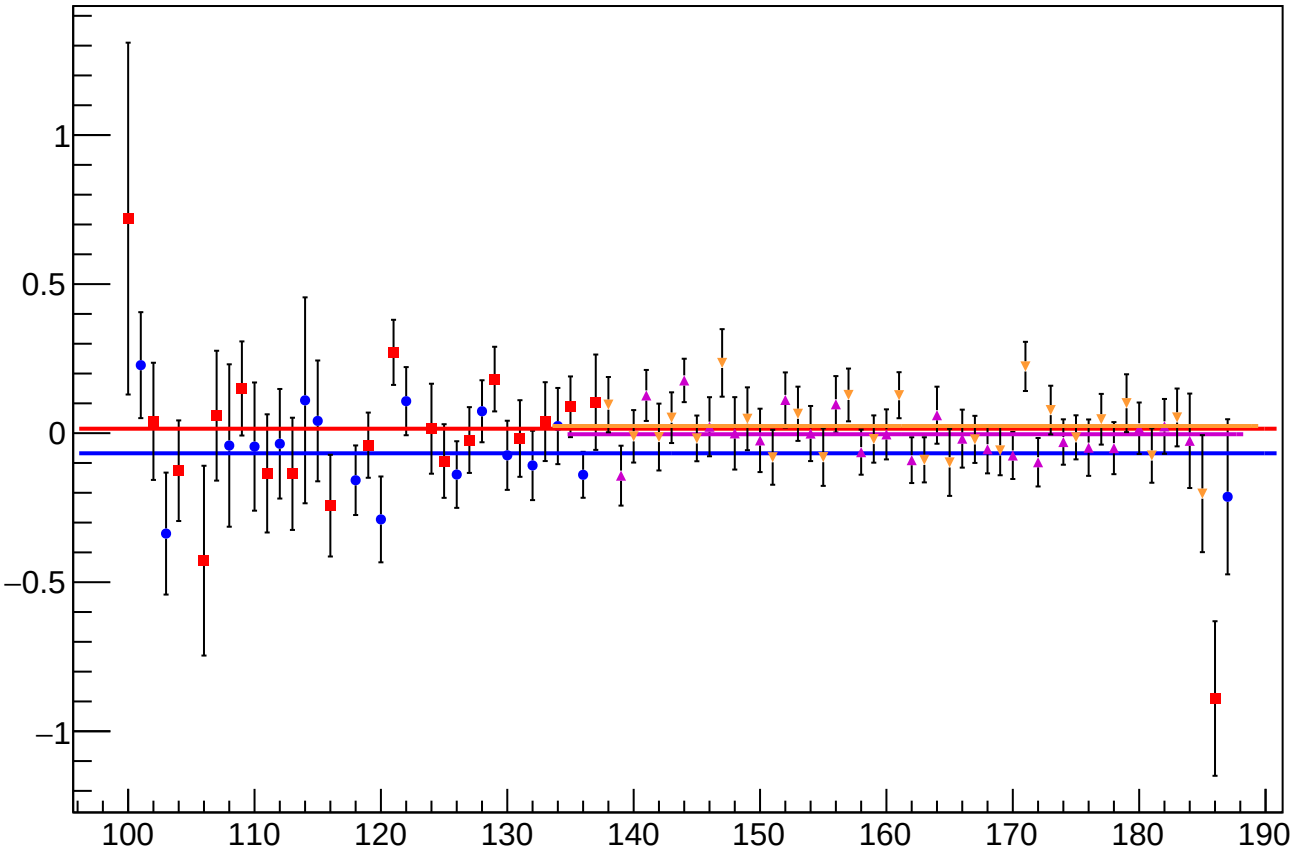
Right Out: 0.003+/-0.000 χ^2/NDF: 6118440.3/19

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7218728.6/41

All: 0.005+/-0.000 χ^2/NDF: 18160598.7/84

- sign 0.004+/-0.000 χ^2/NDF: 10668187.9/42



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

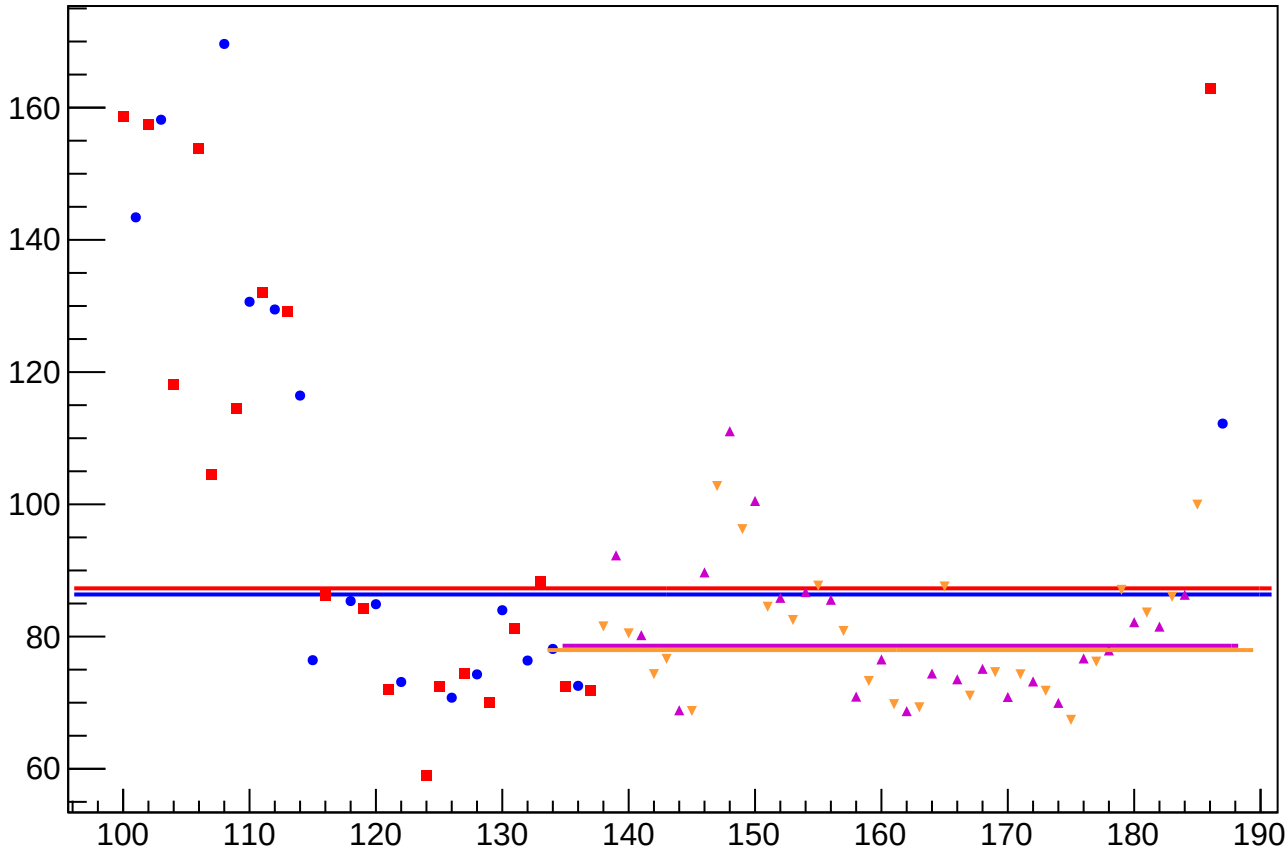
Right Out: 0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.003+/-0.016 χ^2/NDF: 46.0/41

All: 0.002+/-0.011 χ^2/NDF: 95.5/84

- sign 0.001+/-0.016 χ^2/NDF: 49.6/42



Right In: 86.367+/-0.023 χ^2/NDF: 1055048.8/16

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

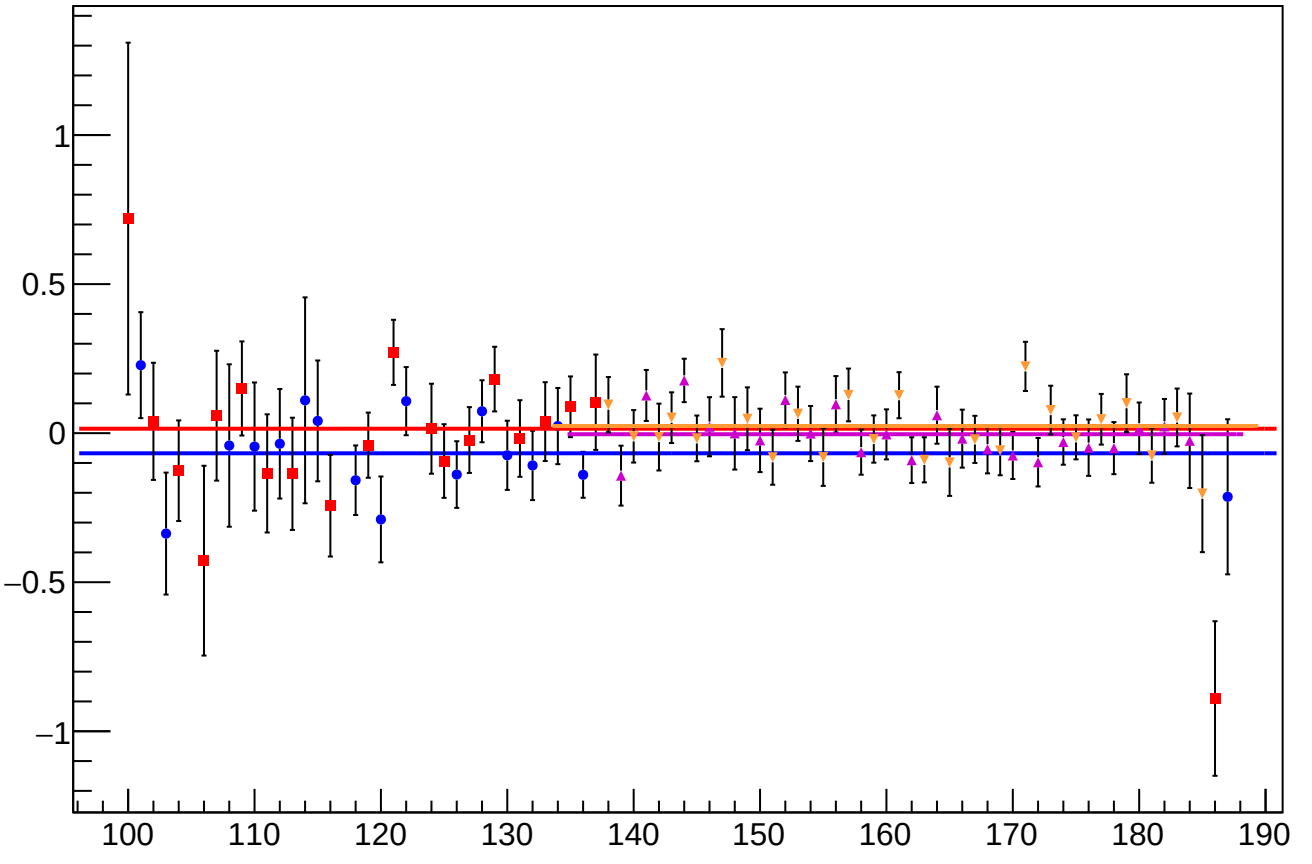
Right Out: 87.293+/-0.023 χ^2/NDF: 1164472.4/19

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.858+/-0.011 χ^2/NDF: 1595093.9/41

All: 80.282+/-0.008 χ^2/NDF: 3366966.8/84

- sign 80.730+/-0.011 χ^2/NDF: 1768875.9/42



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

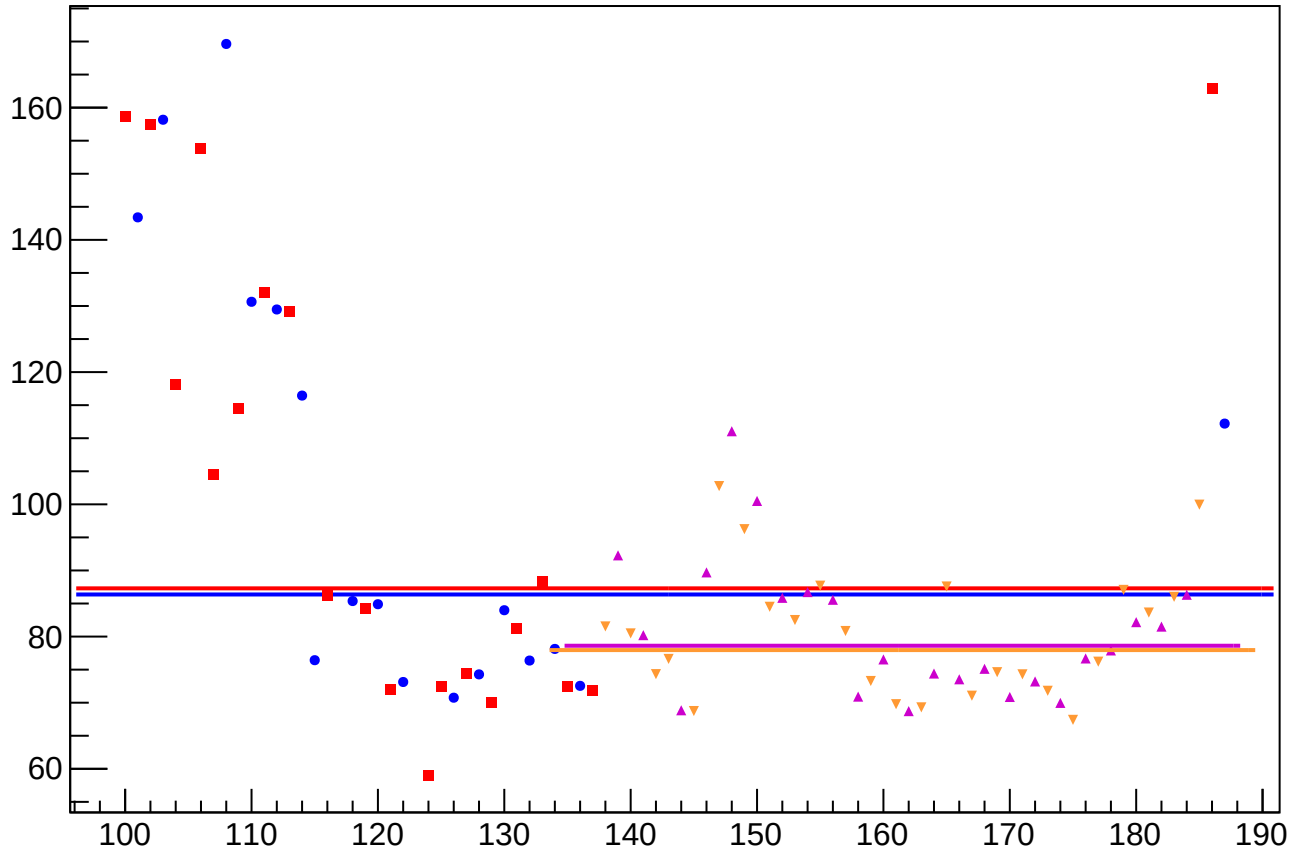
Right Out: 0.015+/-0.033 χ^2/NDF: 30.5/19

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.003+/-0.016 χ^2/NDF: 46.0/41

All: 0.002+/-0.011 χ^2/NDF: 95.5/84

- sign 0.001+/-0.016 χ^2/NDF: 49.6/42



Right In: 86.367+/-0.023 χ^2/NDF: 1055048.8/16

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

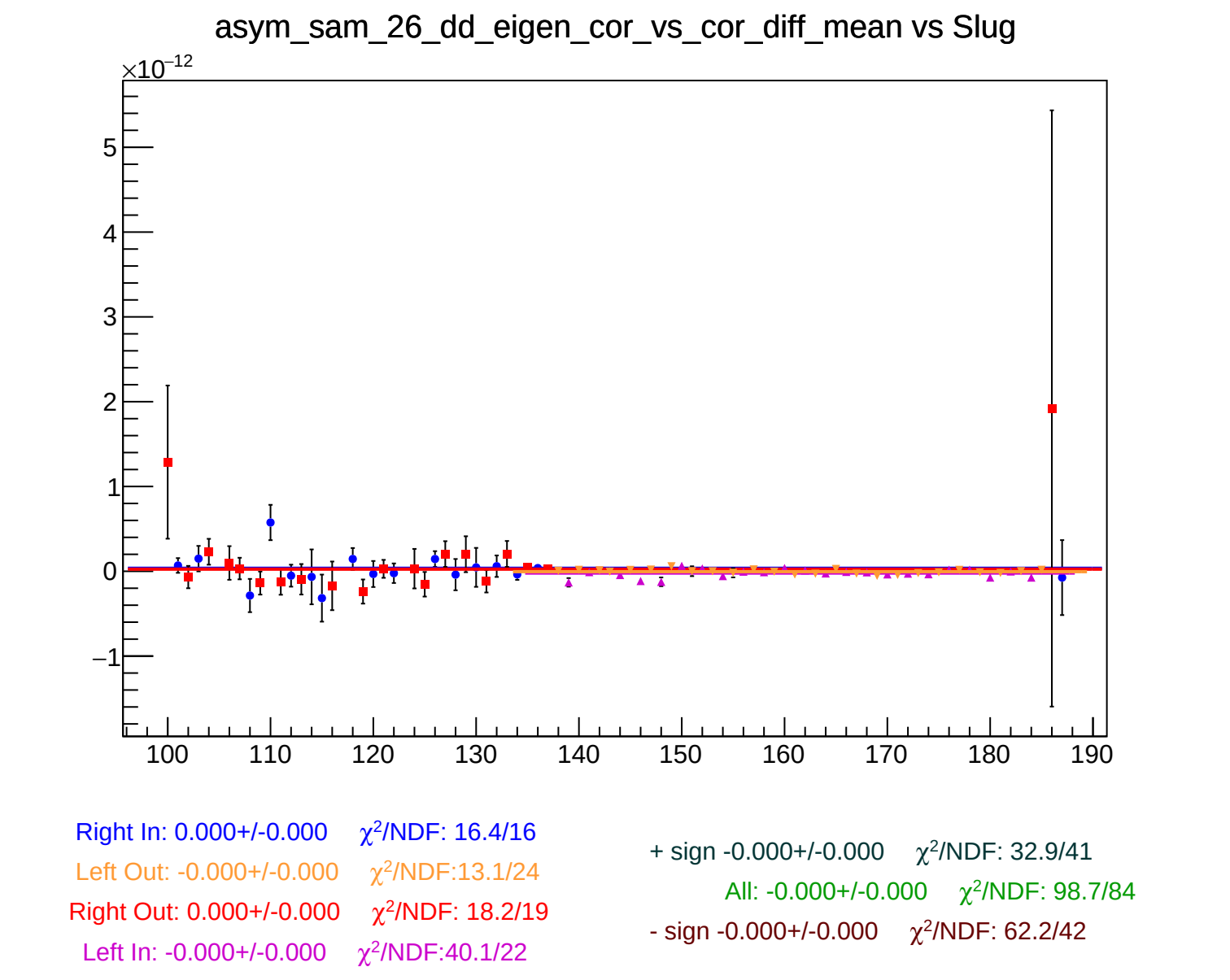
Right Out: 87.293+/-0.023 χ^2/NDF: 1164472.4/19

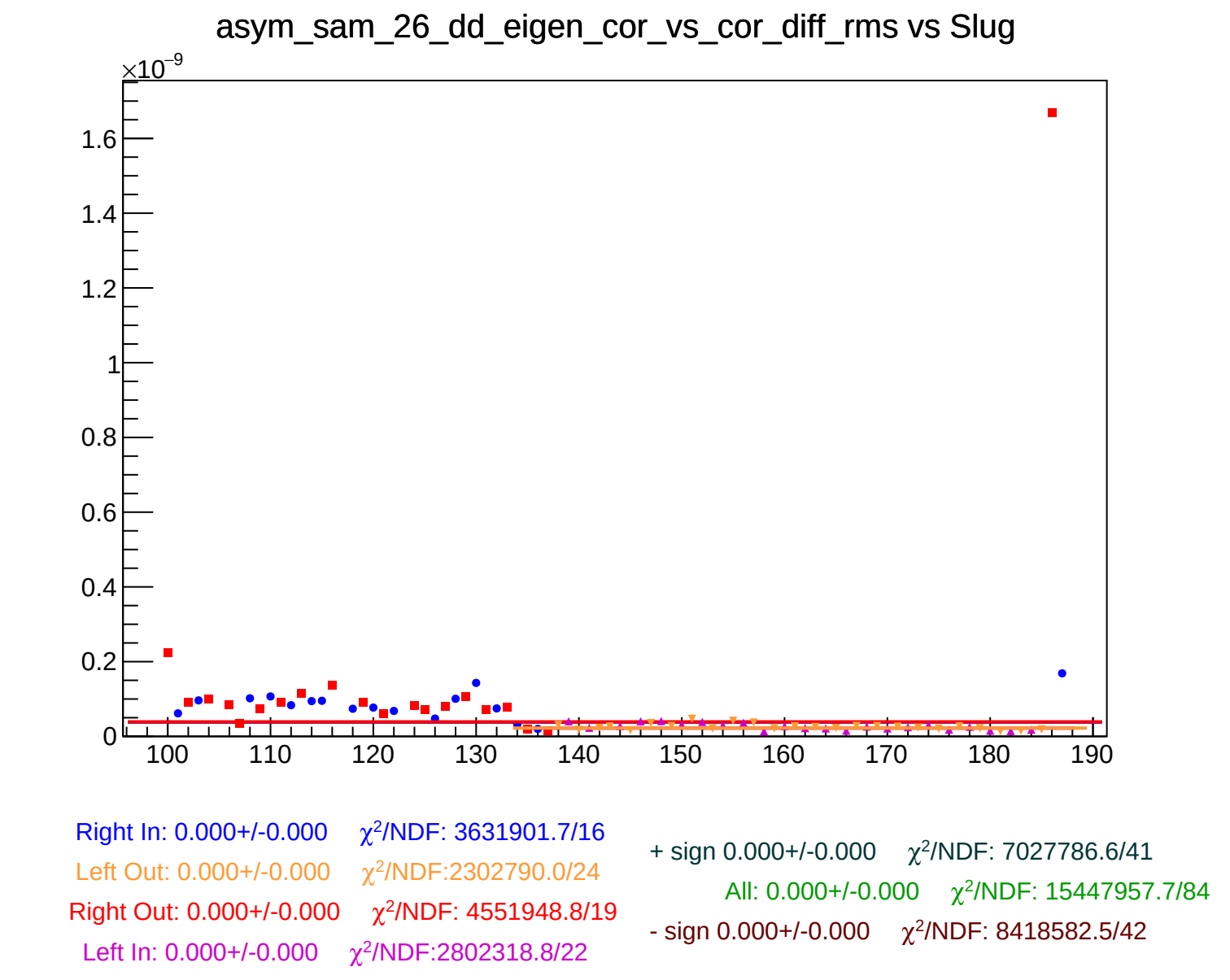
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 79.858+/-0.011 χ^2/NDF: 1595093.9/41

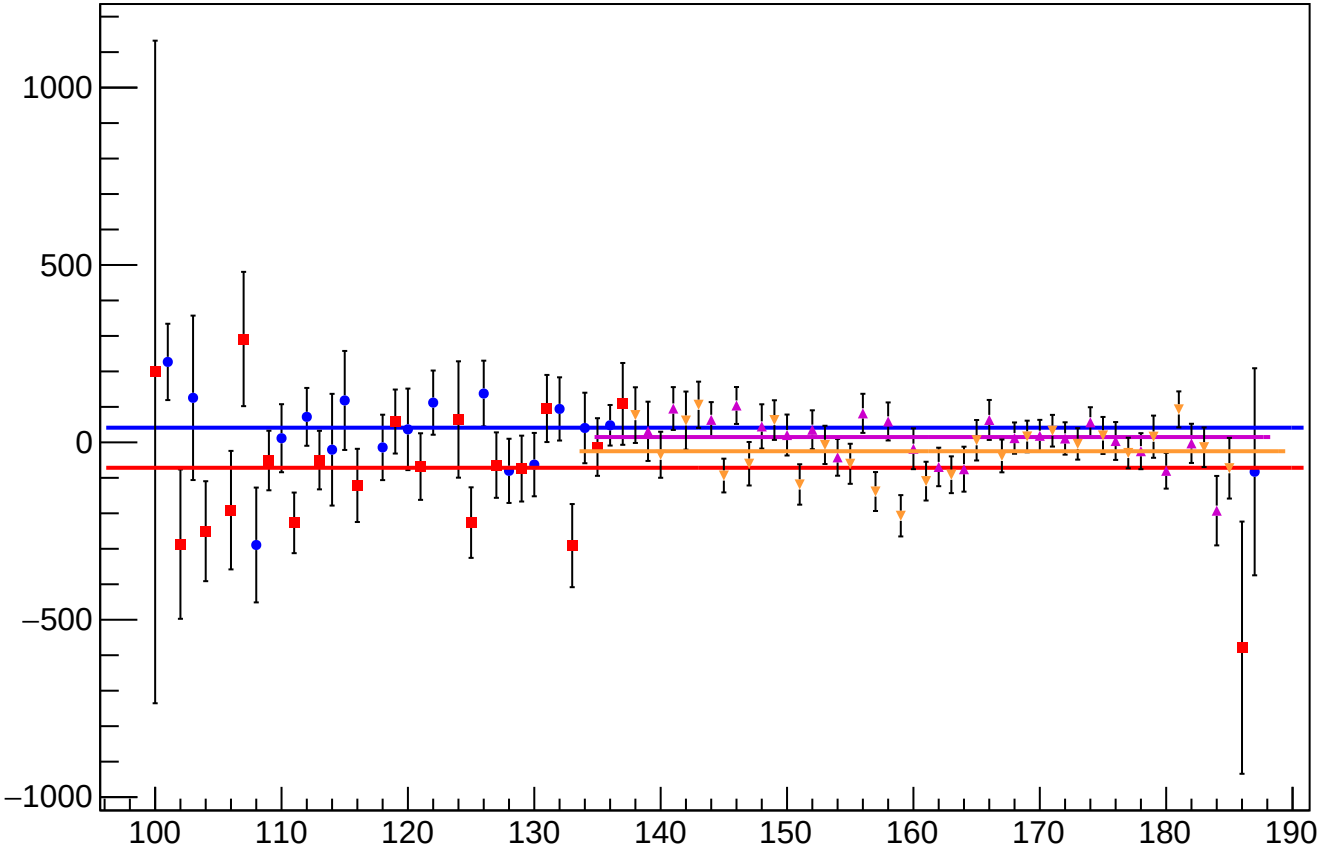
All: 80.282+/-0.008 χ^2/NDF: 3366966.8/84

- sign 80.730+/-0.011 χ^2/NDF: 1768875.9/42


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.4/16
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.2/19
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 32.9/41
All: -0.000+/-0.000 χ²/NDF: 98.7/84
- sign -0.000+/-0.000 χ²/NDF: 62.2/42


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3631901.7/16
Left Out: 0.000+/-0.000 χ²/NDF:2302790.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4551948.8/19
Left In: 0.000+/-0.000 χ²/NDF:2802318.8/22
+ sign 0.000+/-0.000 χ²/NDF: 7027786.6/41
All: 0.000+/-0.000 χ²/NDF: 15447957.7/84
- sign 0.000+/-0.000 χ²/NDF: 8418582.5/42

reg_asym_sam_37_dd_mean vs Slug



Right In: 41.365+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -71.642+/-24.361 χ^2/NDF: 27.4/19

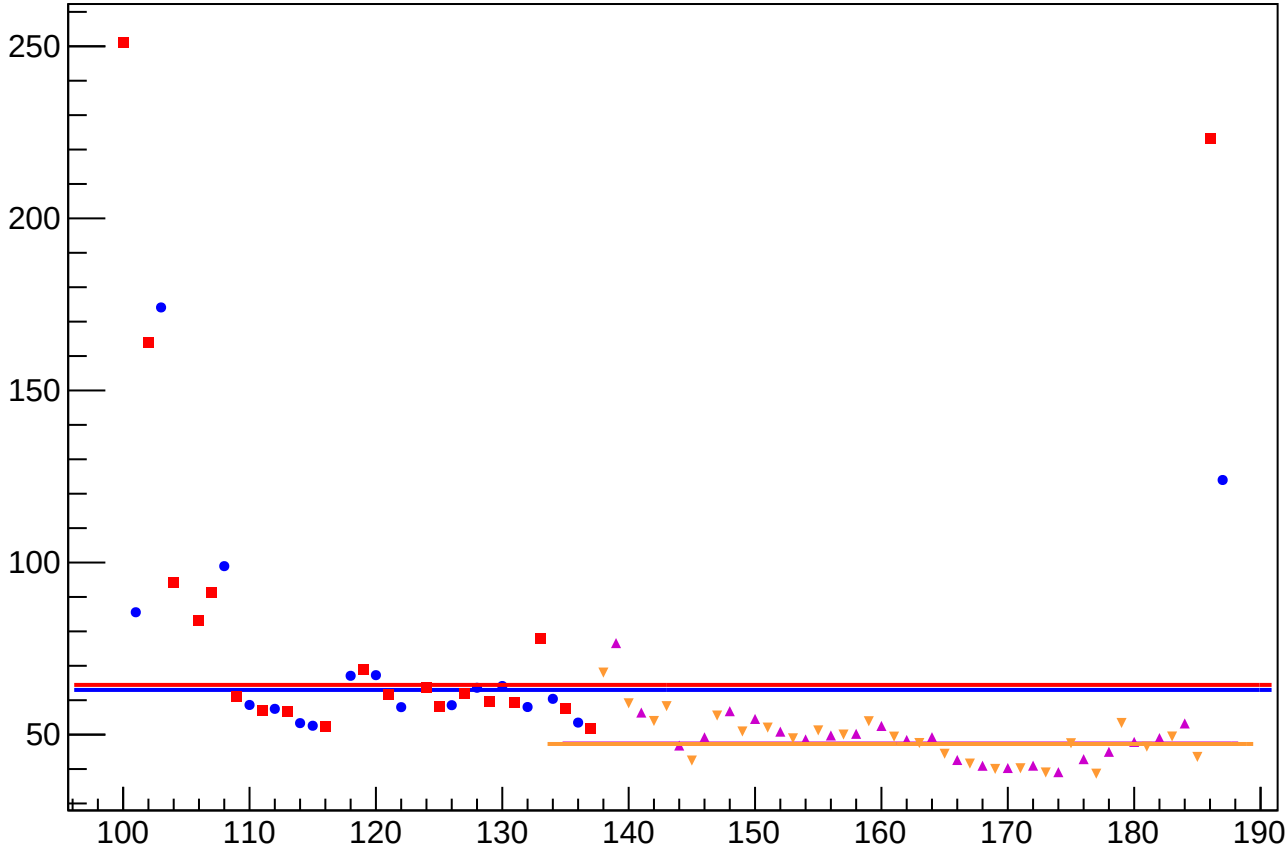
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.760+/-9.924 χ^2/NDF: 63.1/41

All: -7.141+/-7.109 χ^2/NDF: 126.6/84

- sign -0.163+/-10.189 χ^2/NDF: 62.6/42

reg_asym_sam_37_dd_rms vs Slug



Right In: 62.985+/-0.017 χ^2/NDF: 846583.0/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

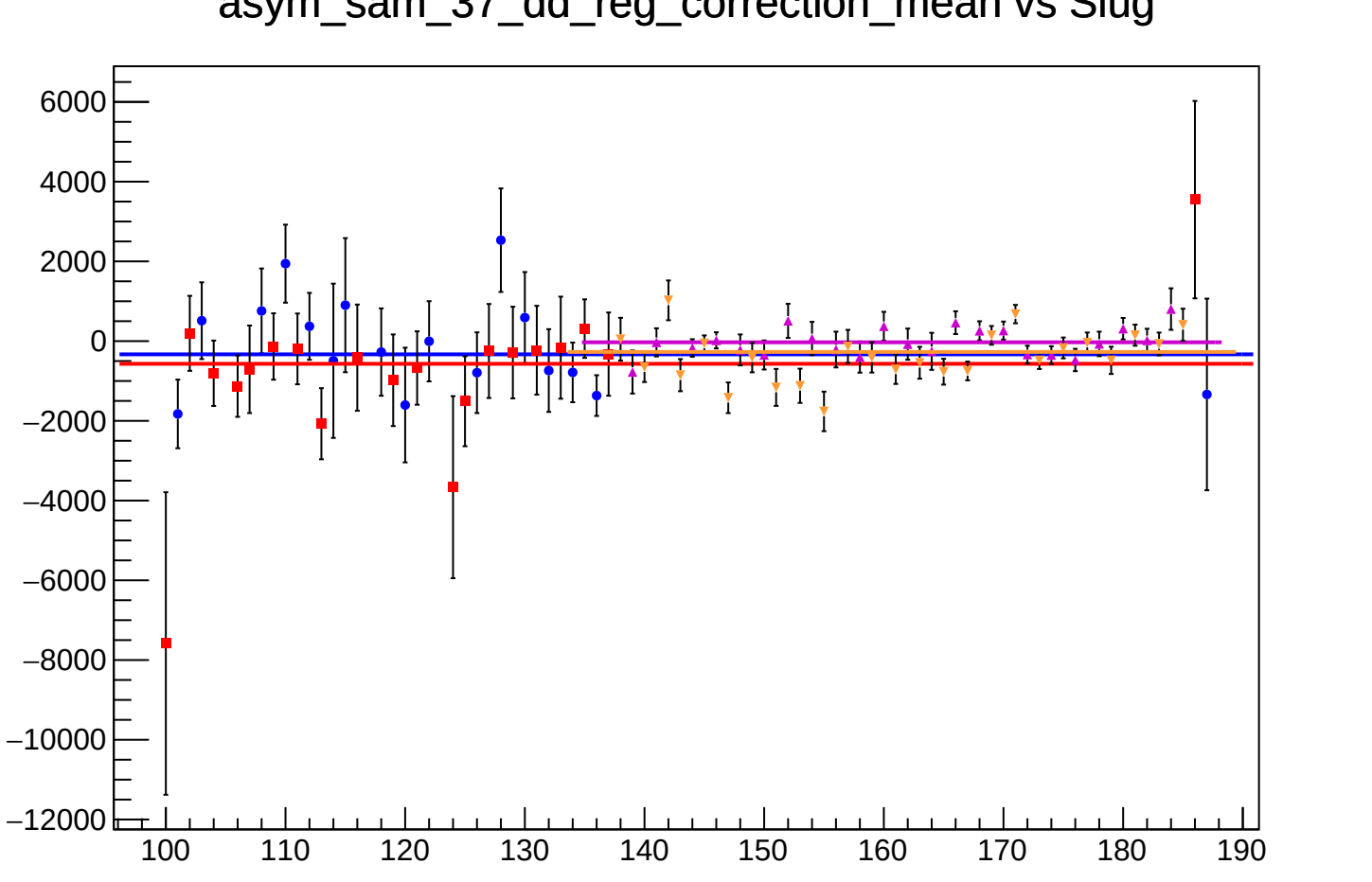
Right Out: 64.448+/-0.017 χ^2/NDF: 1235114.8/19

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.941+/-0.007 χ^2/NDF: 2267719.9/41

All: 50.166+/-0.005 χ^2/NDF: 4966474.3/84

- sign 50.403+/-0.007 χ^2/NDF: 2696637.4/42



Right In: -331.568+/-237.317 χ^2/NDF: 22.9/16

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -569.185+/-232.609 χ^2/NDF: 15.3/19

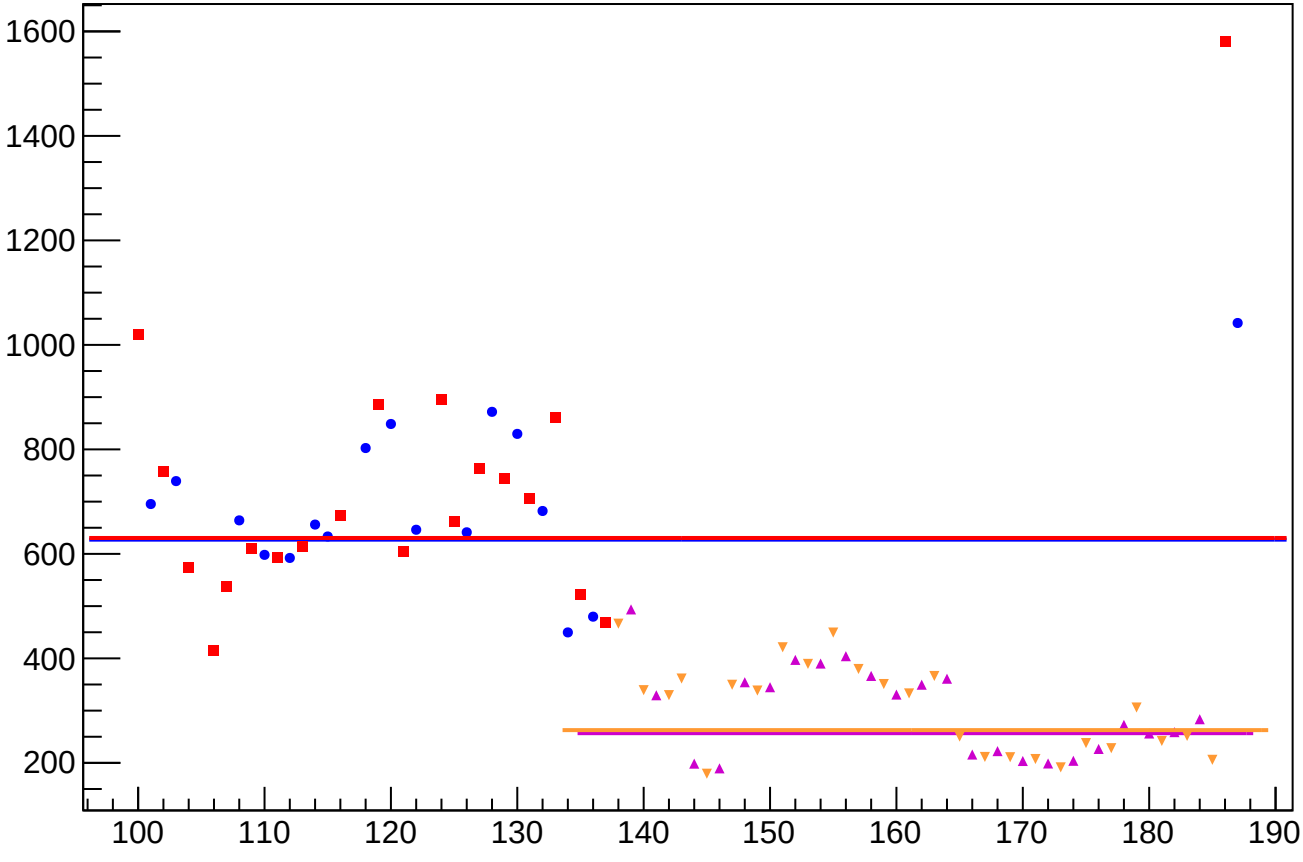
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -274.940+/-60.300 χ^2/NDF: 96.8/41

All: -170.711+/-42.713 χ^2/NDF: 147.5/84

- sign -65.745+/-60.513 χ^2/NDF: 44.7/42

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 627.263+/-0.168 χ^2/NDF: 625638.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 630.436+/-0.164 χ^2/NDF: 879753.7/19

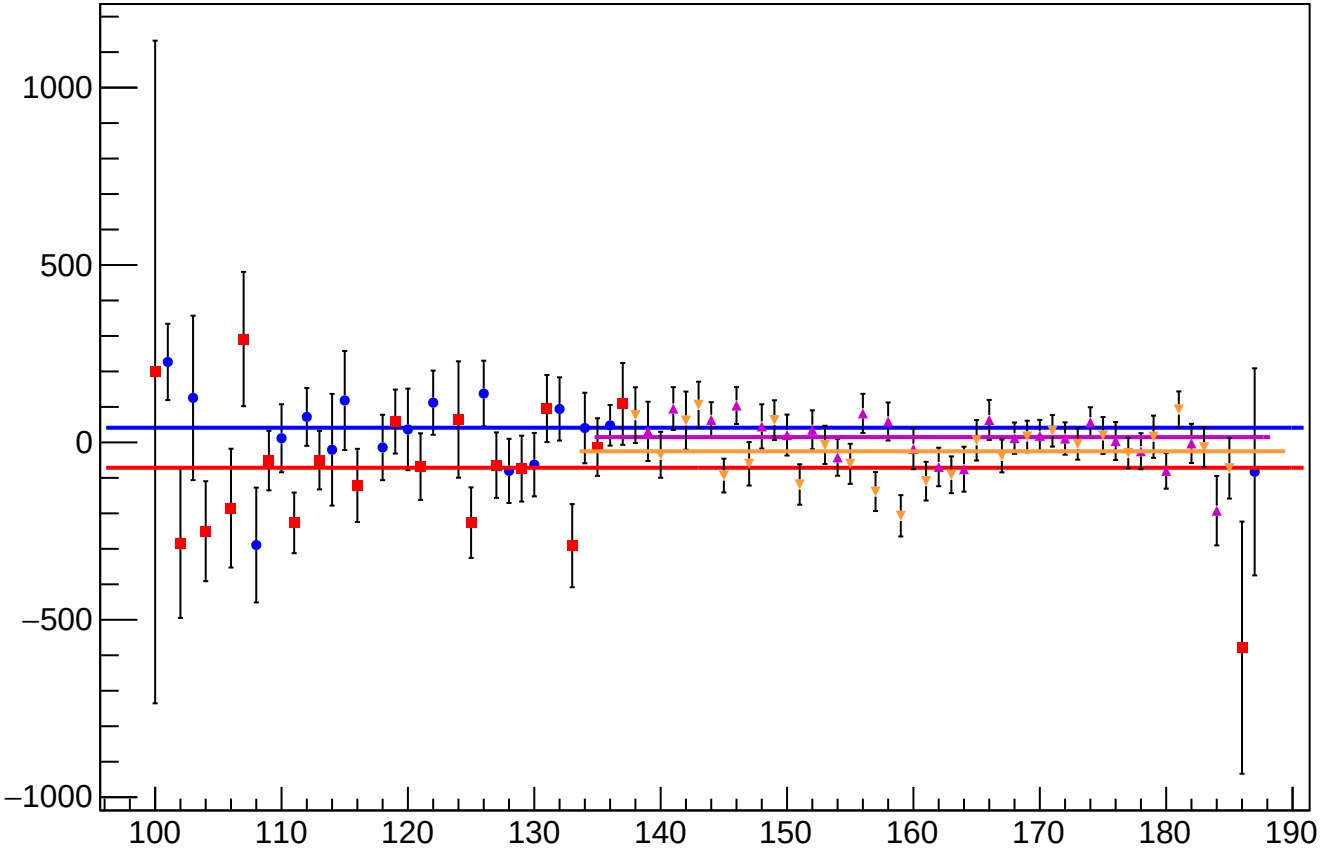
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 286.217+/-0.043 χ^2/NDF: 7934431.5/41

All: 284.179+/-0.030 χ^2/NDF: 16267937.7/84

- sign 282.126+/-0.043 χ^2/NDF: 8328919.6/42

cor_asym_sam_37_dd_mean vs Slug



Right In: 41.358+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -71.461+/-24.362 χ^2/NDF: 27.3/19

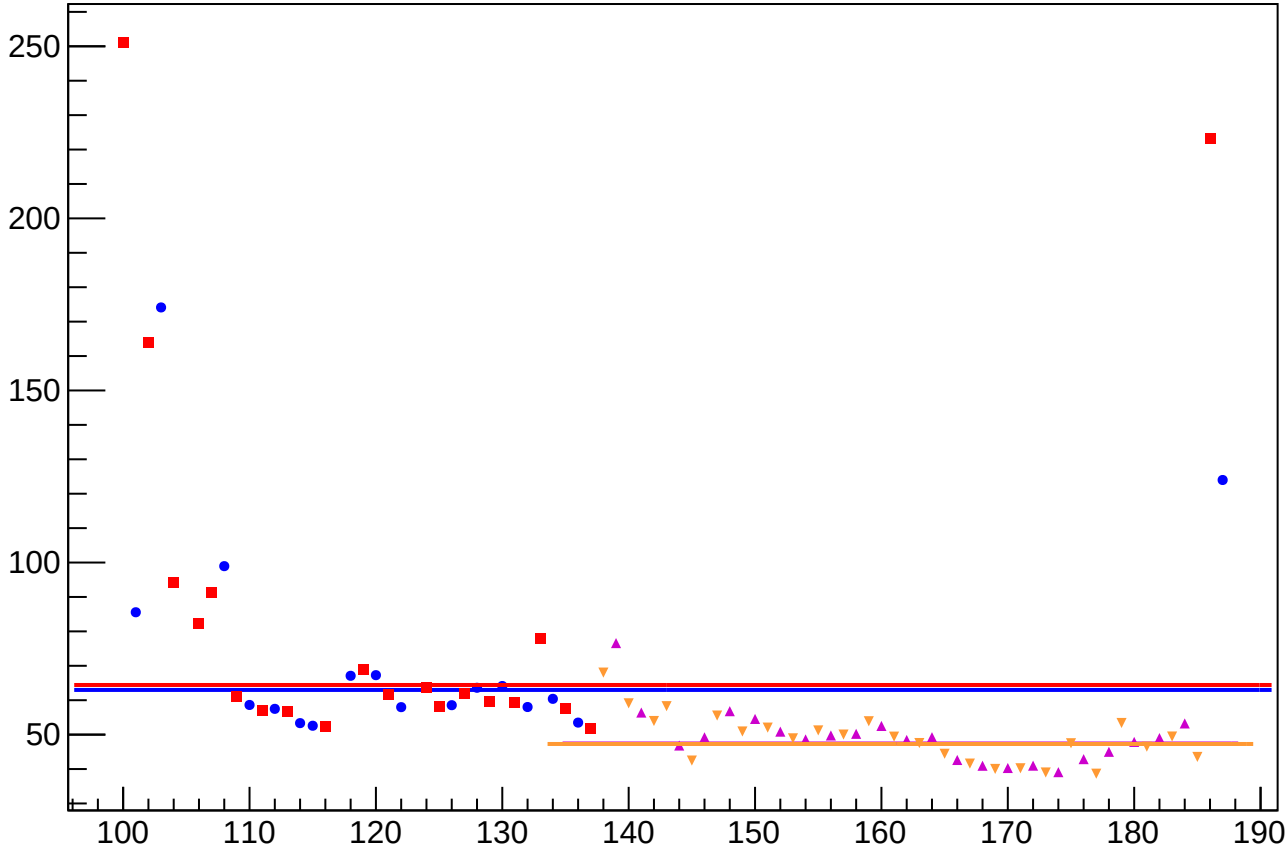
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.758+/-9.924 χ^2/NDF: 63.1/41

All: -7.125+/-7.109 χ^2/NDF: 126.5/84

- sign -0.132+/-10.190 χ^2/NDF: 62.4/42

cor_asym_sam_37_dd_rms vs Slug



Right In: 62.985+/-0.017 χ^2/NDF: 846585.2/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

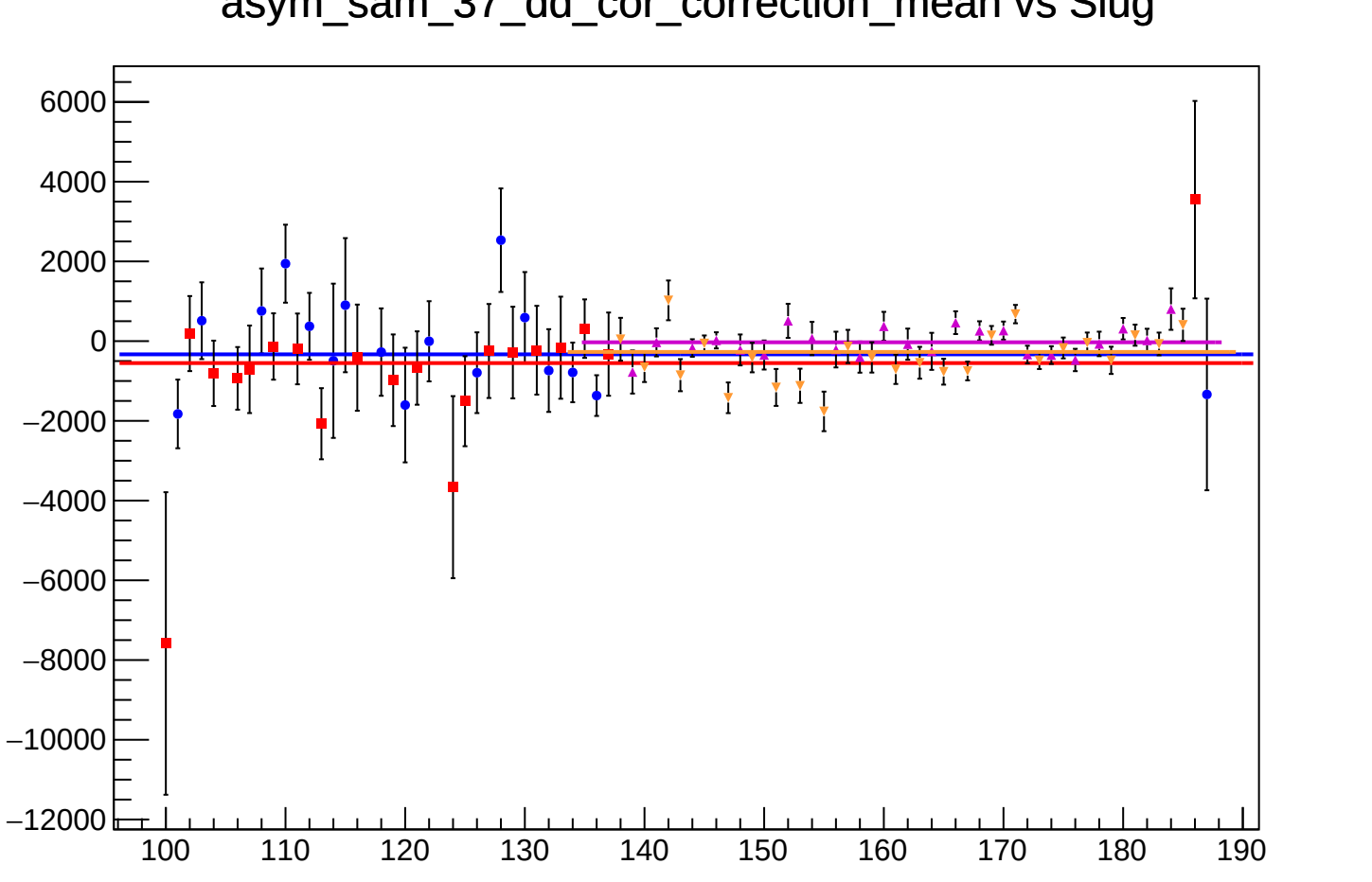
Right Out: 64.425+/-0.017 χ^2/NDF: 1232488.2/19

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.941+/-0.007 χ^2/NDF: 2267721.6/41

All: 50.164+/-0.005 χ^2/NDF: 4961464.0/84

- sign 50.399+/-0.007 χ^2/NDF: 2691666.3/42



Right In: -331.566+/-237.319 χ^2/NDF: 22.9/16

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -550.574+/-233.040 χ^2/NDF: 14.9/19

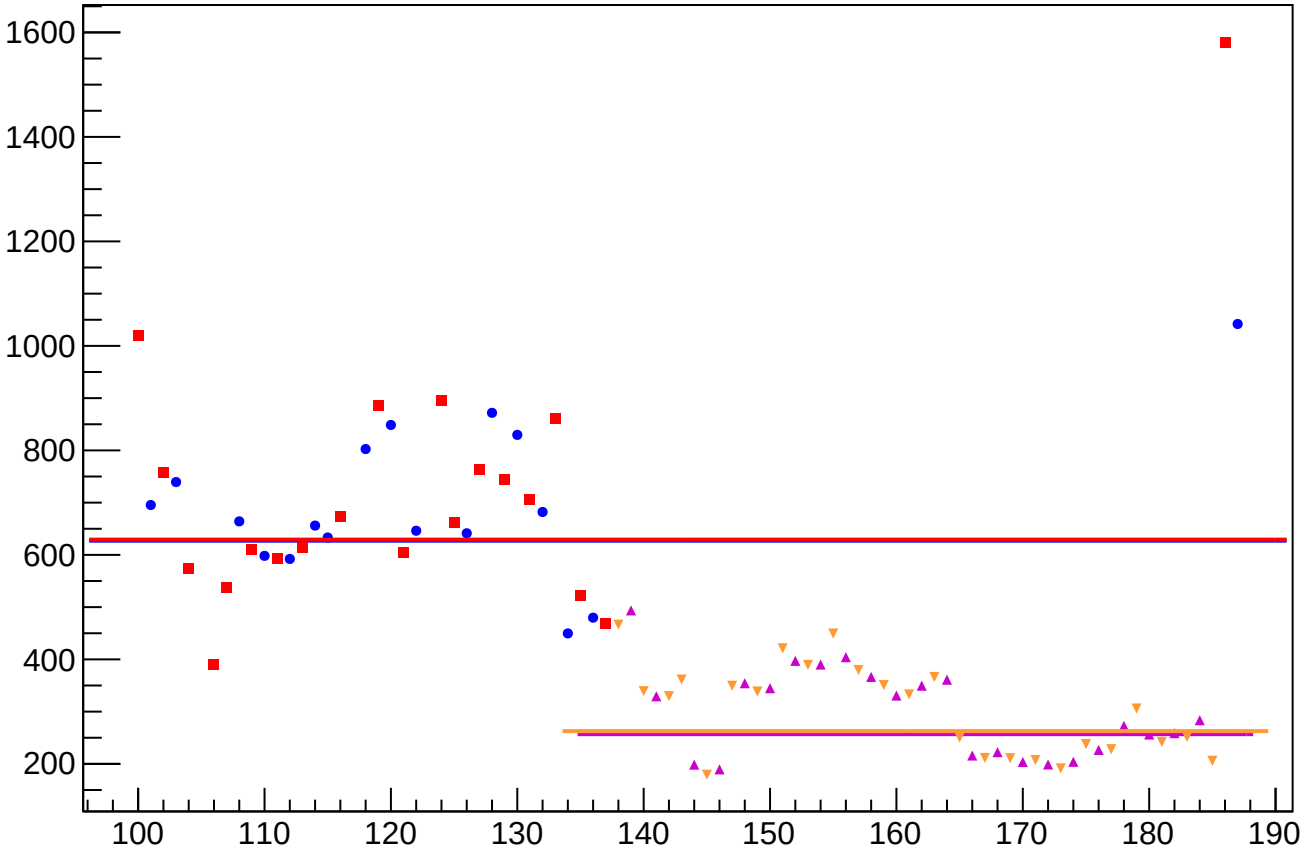
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

\+ sign -274.935+/-60.300 χ^2/NDF: 96.8/41

All: -170.035+/-42.716 χ^2/NDF: 146.9/84

\- sign -64.365+/-60.520 χ^2/NDF: 44.0/42

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 627.266+/-0.168 χ^2/NDF: 625669.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 629.177+/-0.165 χ^2/NDF: 908483.9/19

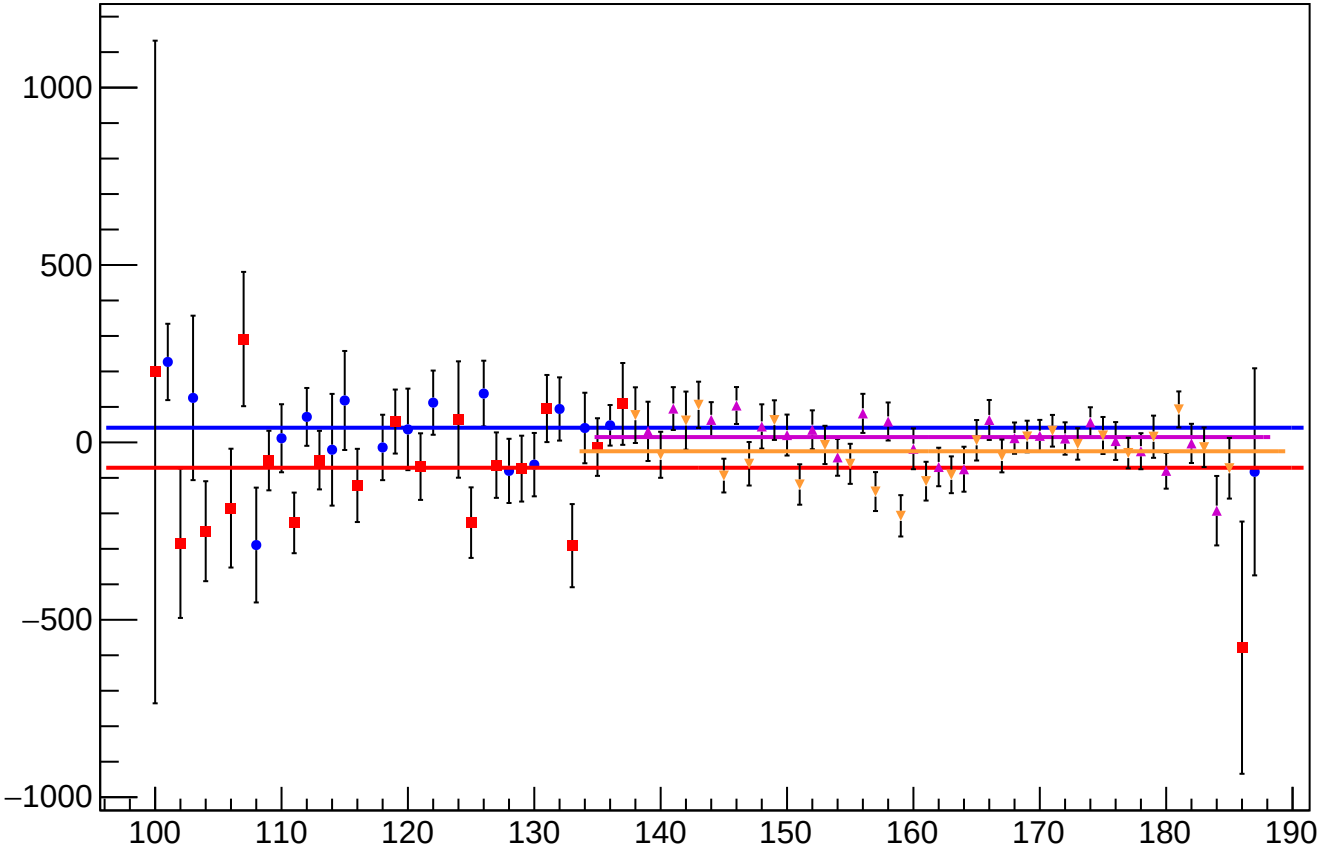
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 286.217+/-0.043 χ^2/NDF: 7934485.1/41

All: 284.093+/-0.030 χ^2/NDF: 16248280.4/84

- sign 281.954+/-0.043 χ^2/NDF: 8308815.9/42

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 41.358+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -71.461+/-24.362 χ^2/NDF: 27.3/19

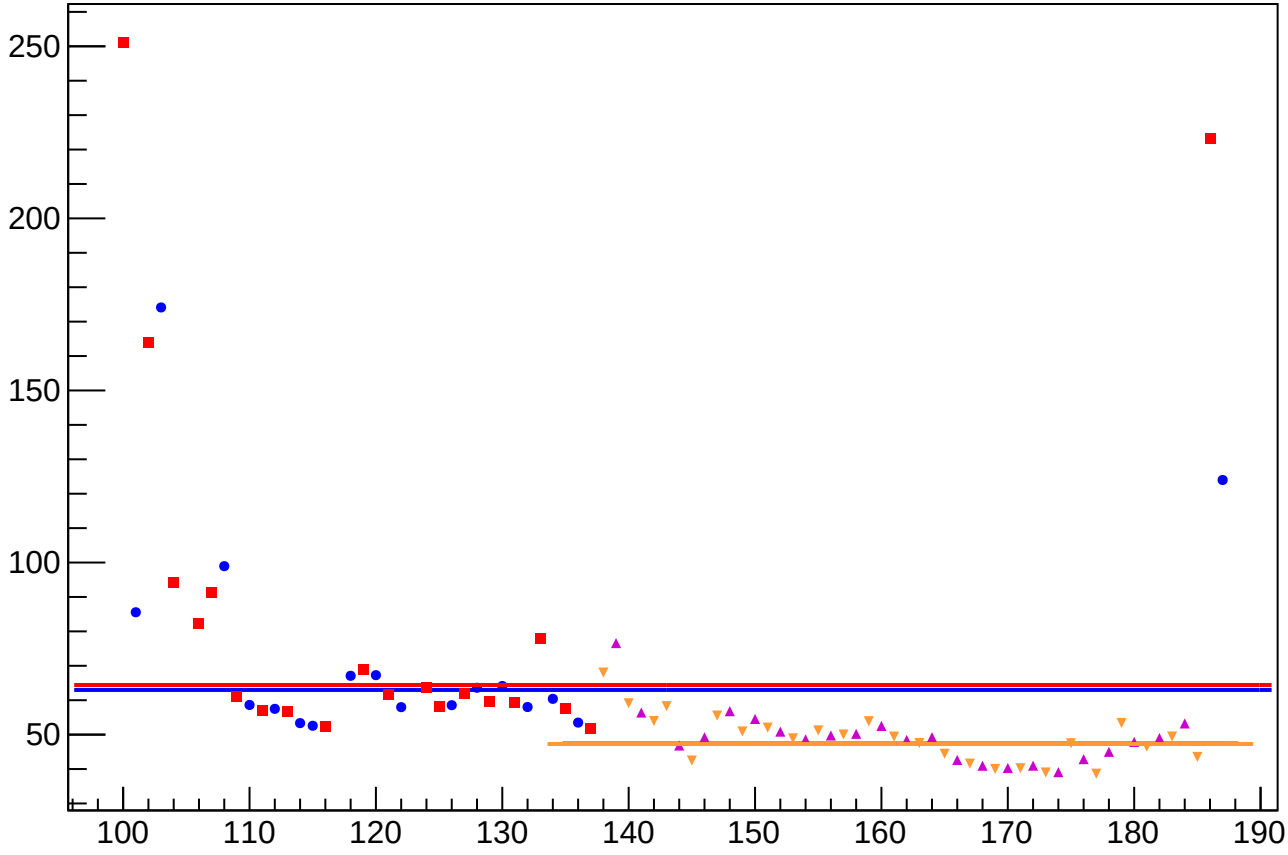
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.758+/-9.924 χ^2/NDF: 63.1/41

All: -7.125+/-7.109 χ^2/NDF: 126.5/84

- sign -0.132+/-10.190 χ^2/NDF: 62.4/42

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 62.985+/-0.017 χ^2/NDF: 846585.2/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

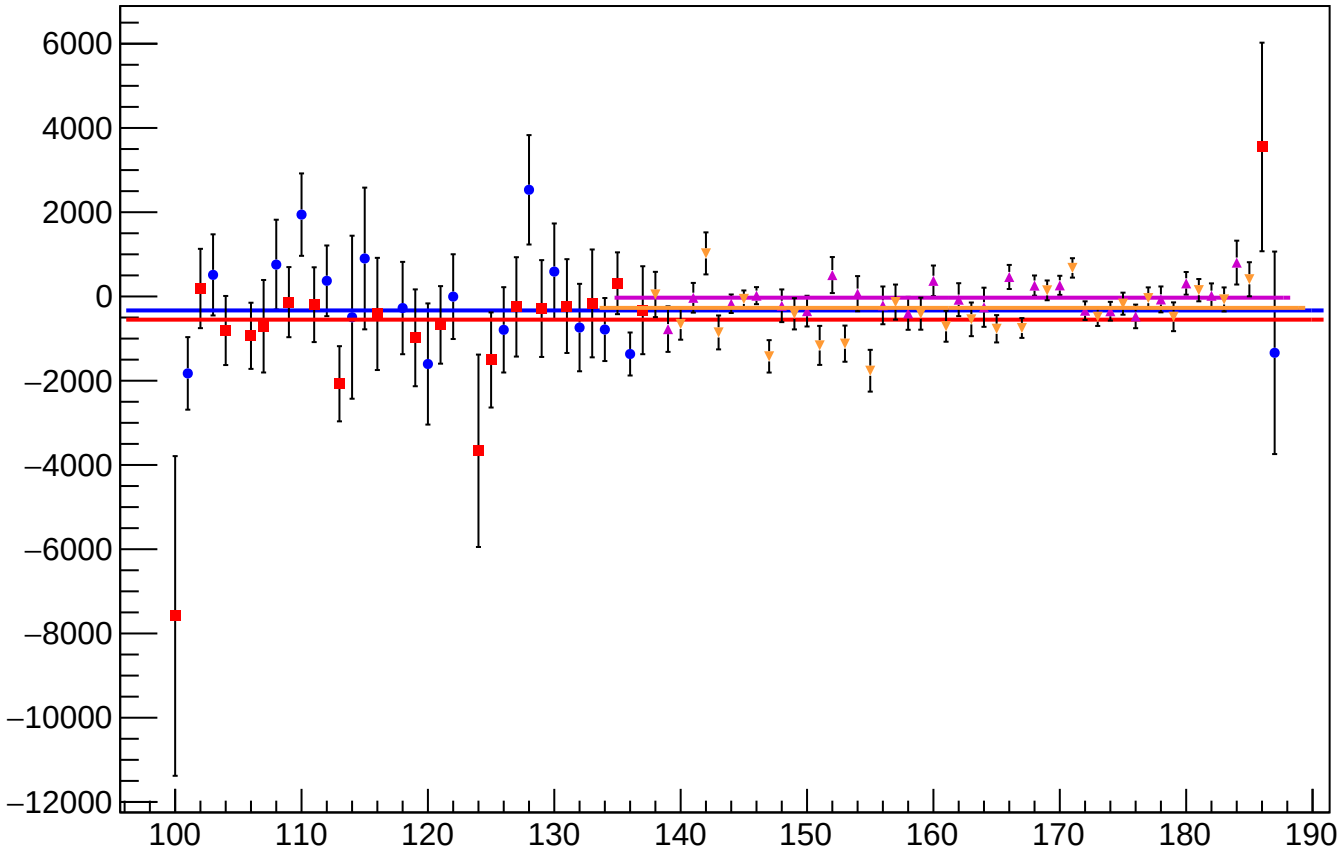
Right Out: 64.425+/-0.017 χ^2/NDF: 1232488.2/19

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 49.941+/-0.007 χ^2/NDF: 2267721.6/41

All: 50.164+/-0.005 χ^2/NDF: 4961464.0/84

- sign 50.399+/-0.007 χ^2/NDF: 2691666.3/42



Right In: -331.566+/-237.319 χ^2/NDF: 22.9/16

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -550.574+/-233.040 χ^2/NDF: 14.9/19

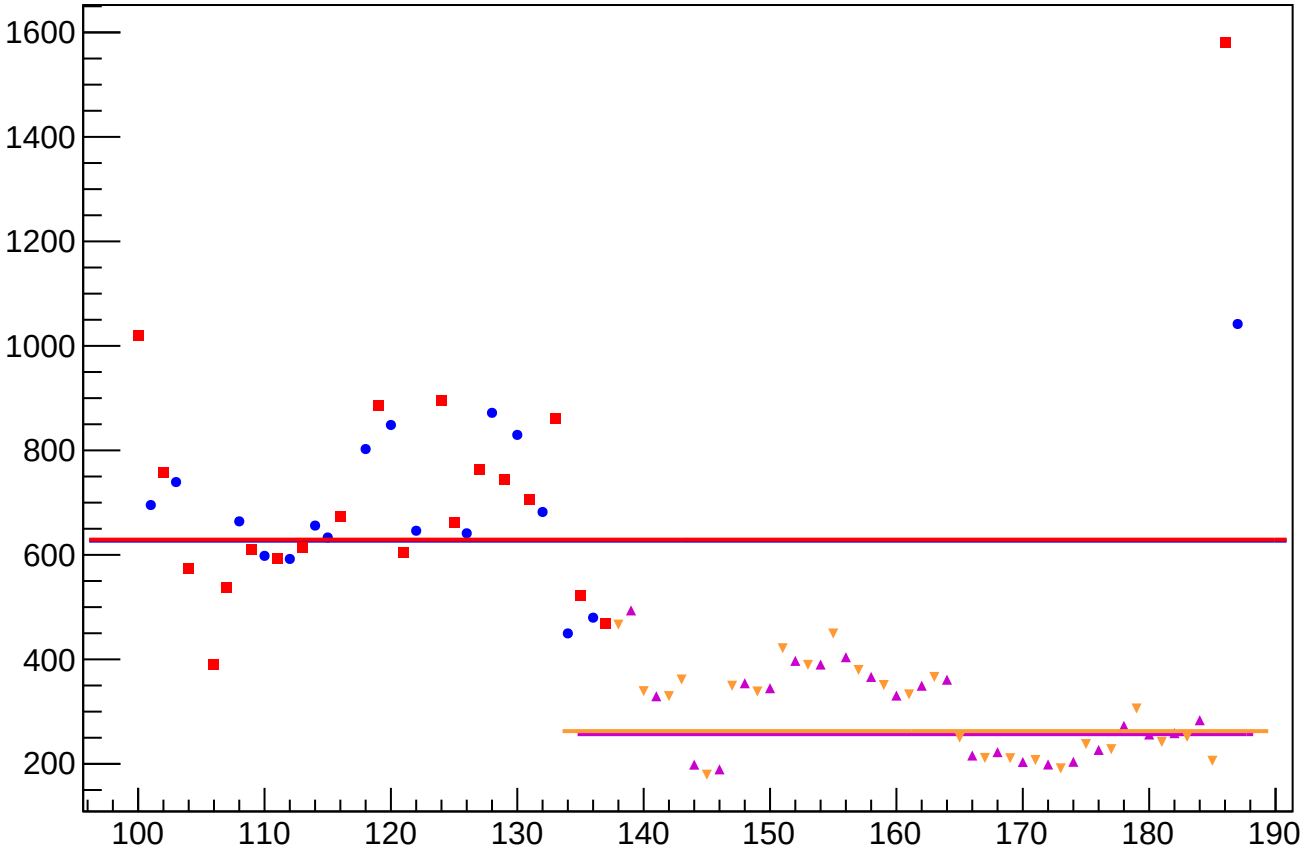
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -274.935+/-60.300 χ^2/NDF: 96.8/41

All: -170.035+/-42.716 χ^2/NDF: 146.9/84

- sign -64.365+/-60.520 χ^2/NDF: 44.0/42

asym_sam_37_dd_eigen_cor_correction_rms vs Slug



Right In: 627.266+/-0.168 χ^2/NDF: 625669.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 629.177+/-0.165 χ^2/NDF: 908483.9/19

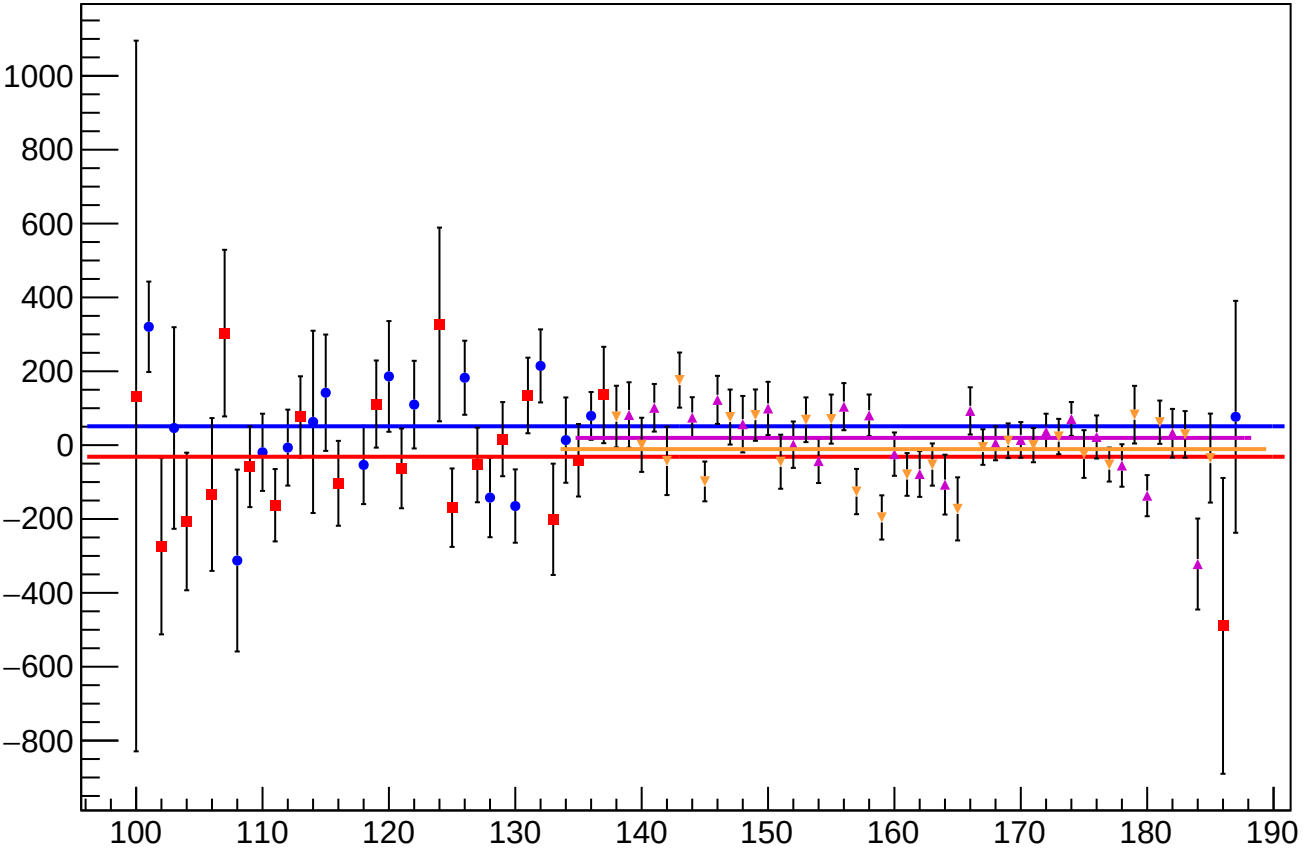
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 286.217+/-0.043 χ^2/NDF: 7934485.1/41

All: 284.093+/-0.030 χ^2/NDF: 16248280.4/84

- sign 281.954+/-0.043 χ^2/NDF: 8308815.9/42

dit_asym_sam_37_dd_mean vs Slug



Right In: 51.049+/-28.202 χ^2/NDF: 22.9/16

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -31.426+/-28.835 χ^2/NDF: 19.8/19

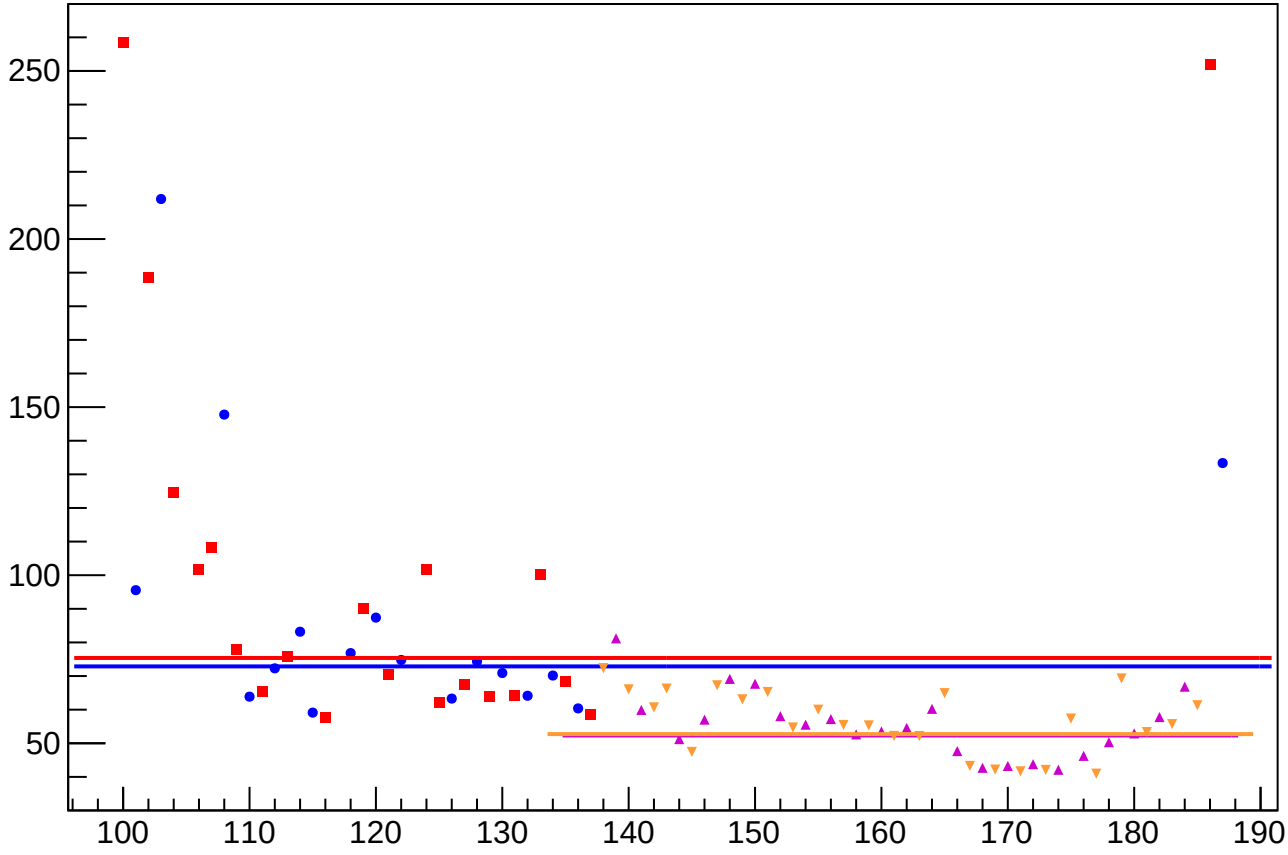
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.927+/-11.279 χ^2/NDF: 67.3/41

All: 5.152+/-8.054 χ^2/NDF: 127.1/84

- sign 11.476+/-11.504 χ^2/NDF: 59.2/42

dit_asym_sam_37_dd_rms vs Slug



Right In: 72.870+/-0.020 χ^2/NDF: 1012976.0/16

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

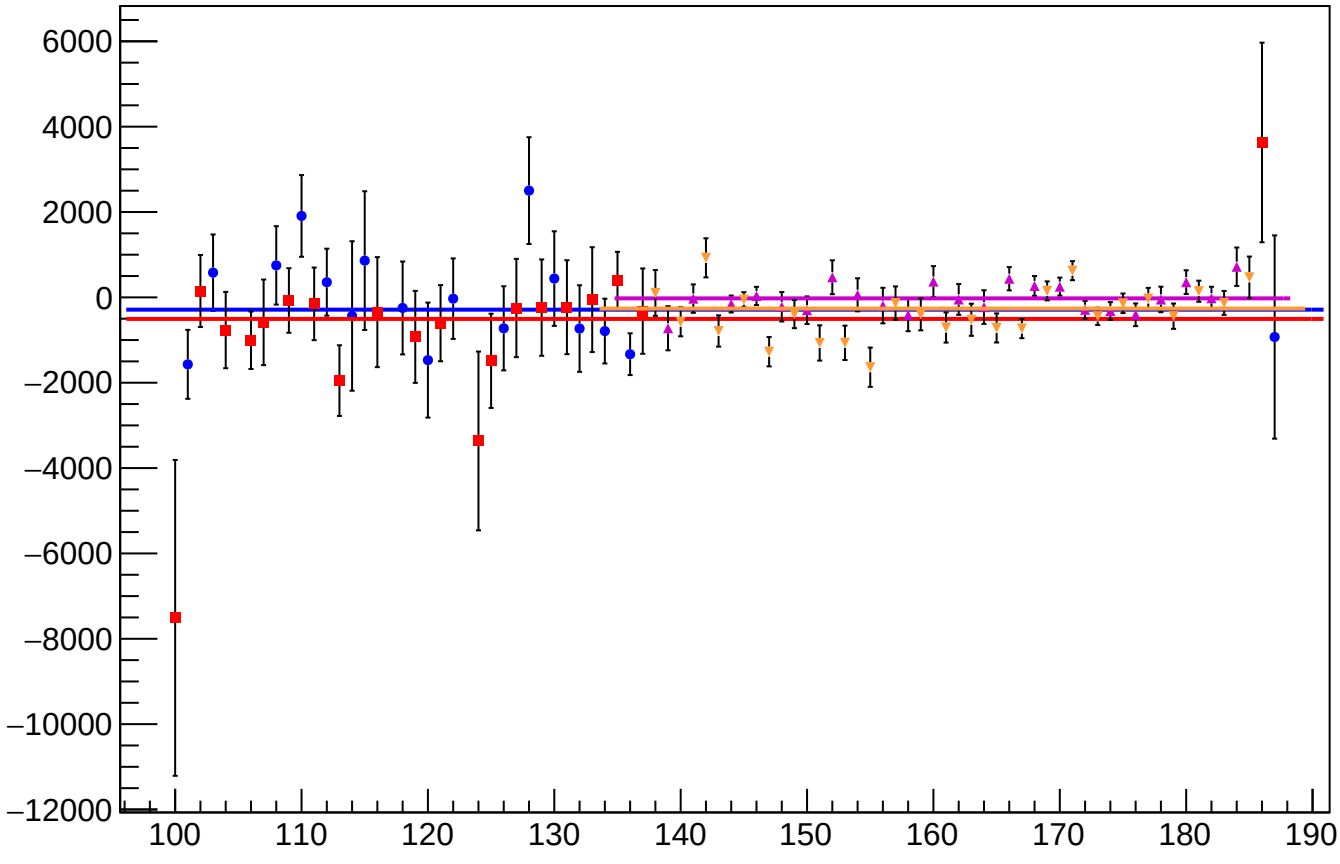
Right Out: 75.383+/-0.020 χ^2/NDF: 1443056.5/19

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 55.952+/-0.008 χ^2/NDF: 3036895.6/41

All: 55.969+/-0.006 χ^2/NDF: 6448240.0/84

- sign 55.986+/-0.008 χ^2/NDF: 3411335.6/42



Right In: -287.903+/-226.755 χ^2/NDF: 22.9/16

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -505.113+/-219.925 χ^2/NDF: 16.4/19

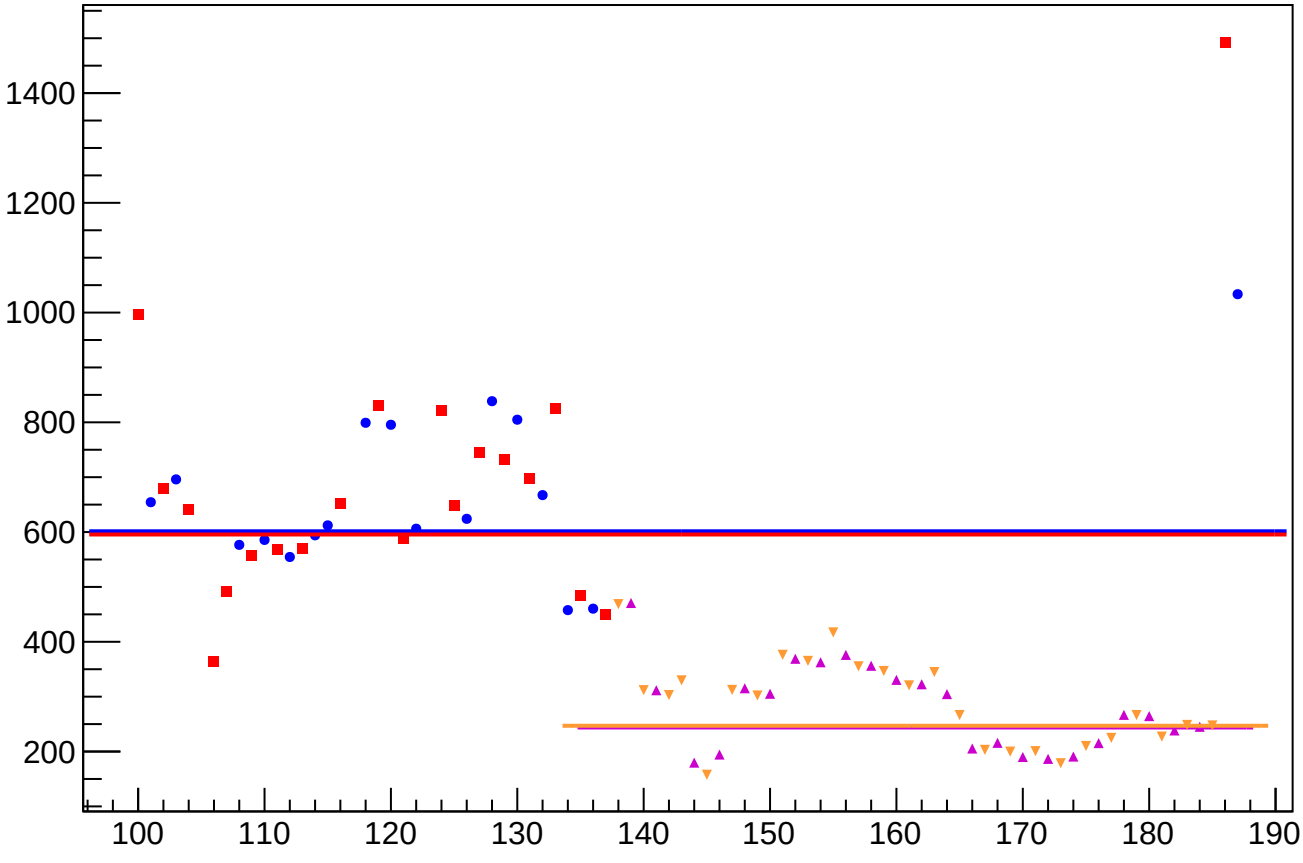
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.162+/-56.646 χ^2/NDF: 95.1/41

All: -161.457+/-40.299 χ^2/NDF: 146.8/84

- sign -56.213+/-57.342 χ^2/NDF: 45.1/42

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 601.392+/-0.160 χ^2/NDF: 600242.1/16

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 595.568+/-0.156 χ^2/NDF: 985719.8/19

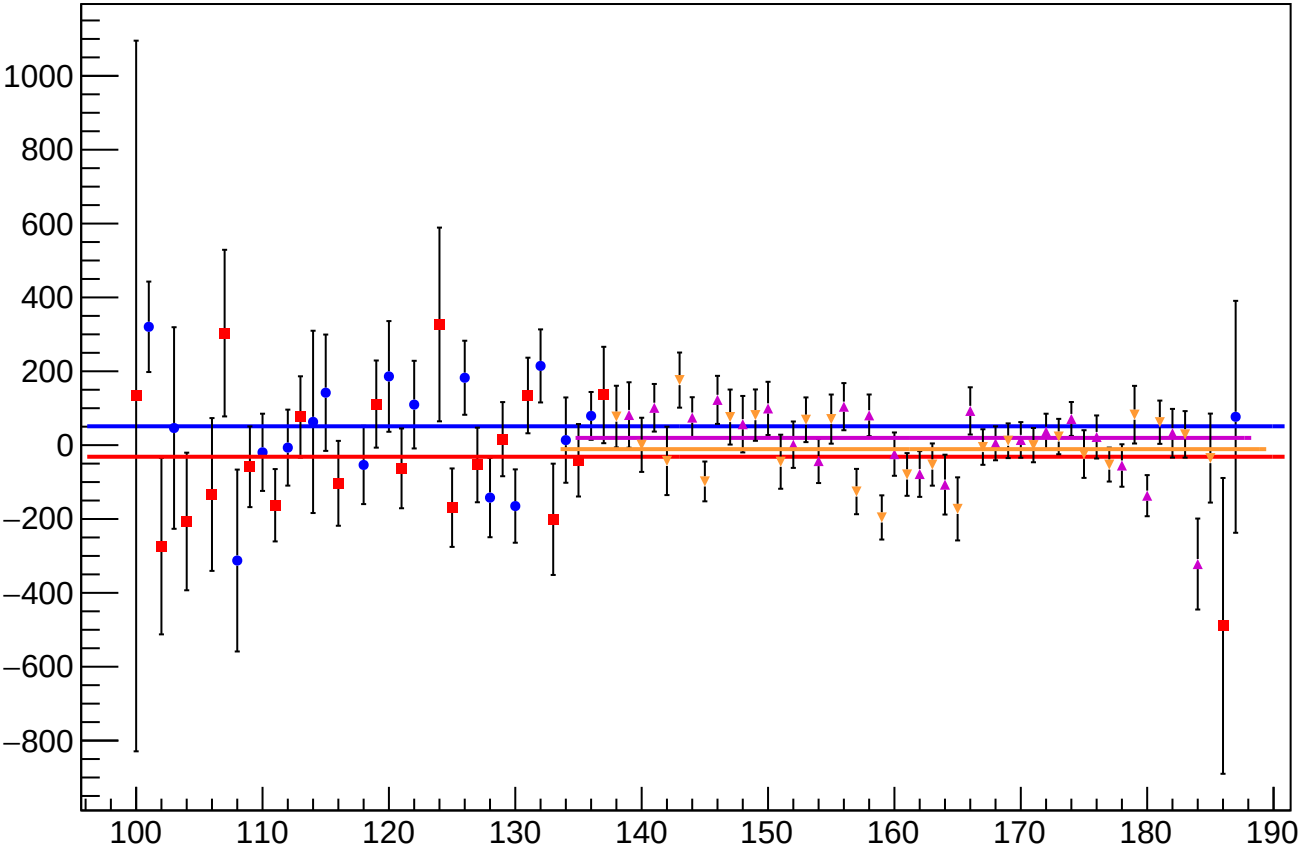
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 269.112+/-0.040 χ^2/NDF: 8106413.1/41

All: 268.433+/-0.028 χ^2/NDF: 16351489.8/84

- sign 267.738+/-0.041 χ^2/NDF: 8244495.2/42

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 51.048+/-28.202 χ^2/NDF: 22.9/16

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -31.424+/-28.835 χ^2/NDF: 19.8/19

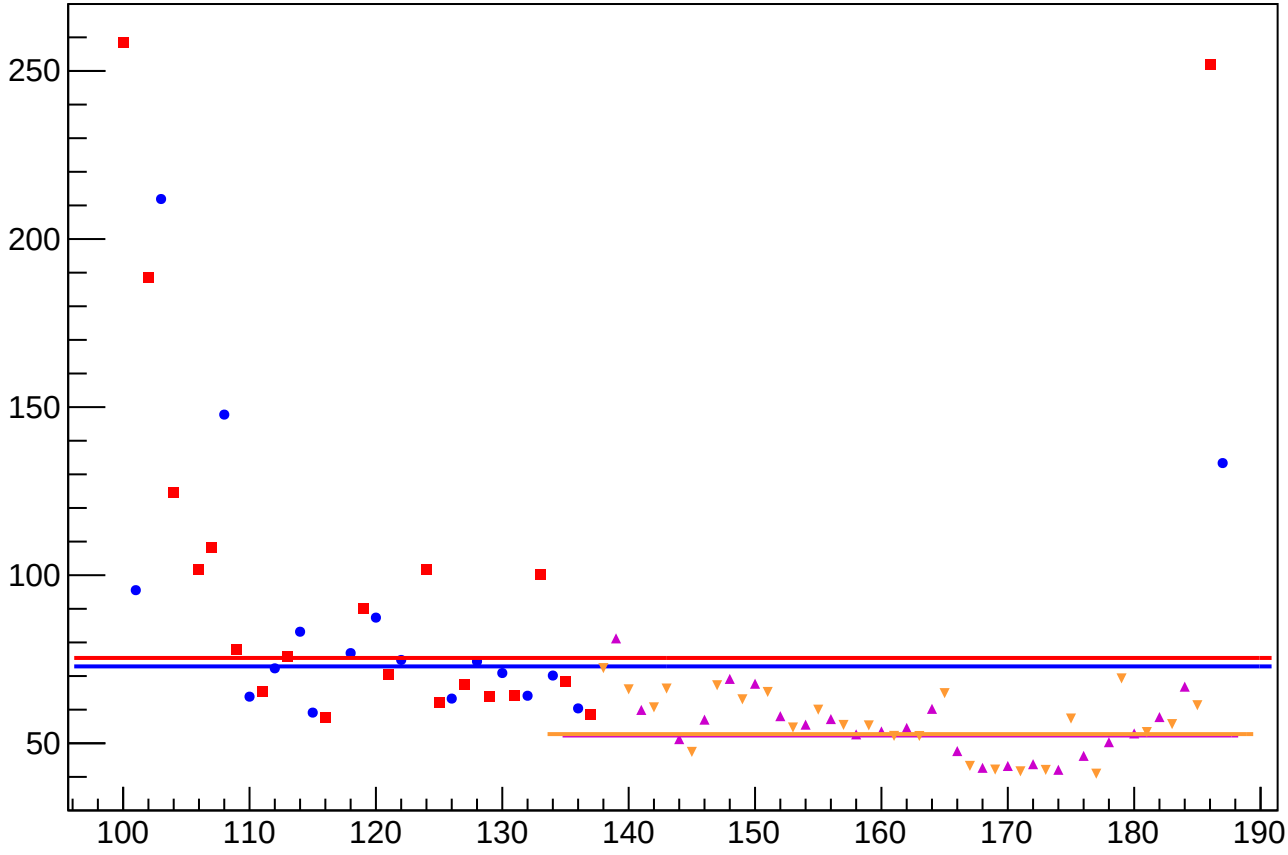
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.926+/-11.279 χ^2/NDF: 67.3/41

All: 5.153+/-8.054 χ^2/NDF: 127.1/84

- sign 11.476+/-11.504 χ^2/NDF: 59.2/42

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 72.869+/-0.020 χ^2/NDF: 1012979.9/16

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

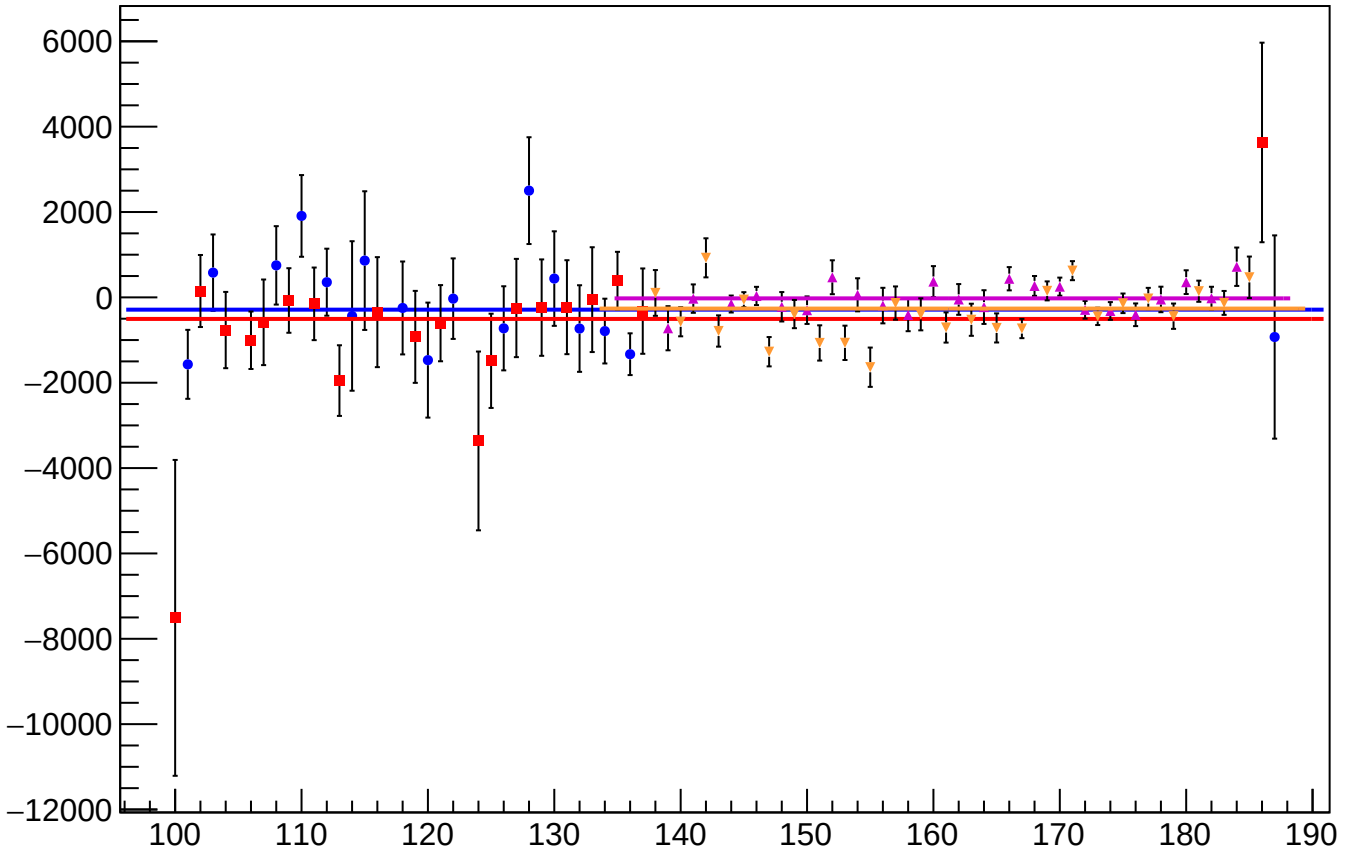
Right Out: 75.383+/-0.020 χ^2/NDF: 1443051.4/19

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 55.952+/-0.008 χ^2/NDF: 3036911.8/41

All: 55.969+/-0.006 χ^2/NDF: 6448249.0/84

- sign 55.986+/-0.008 χ^2/NDF: 3411328.4/42



Right In: -287.903+/-226.755 χ^2/NDF: 22.9/16

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -505.114+/-219.925 χ^2/NDF: 16.4/19

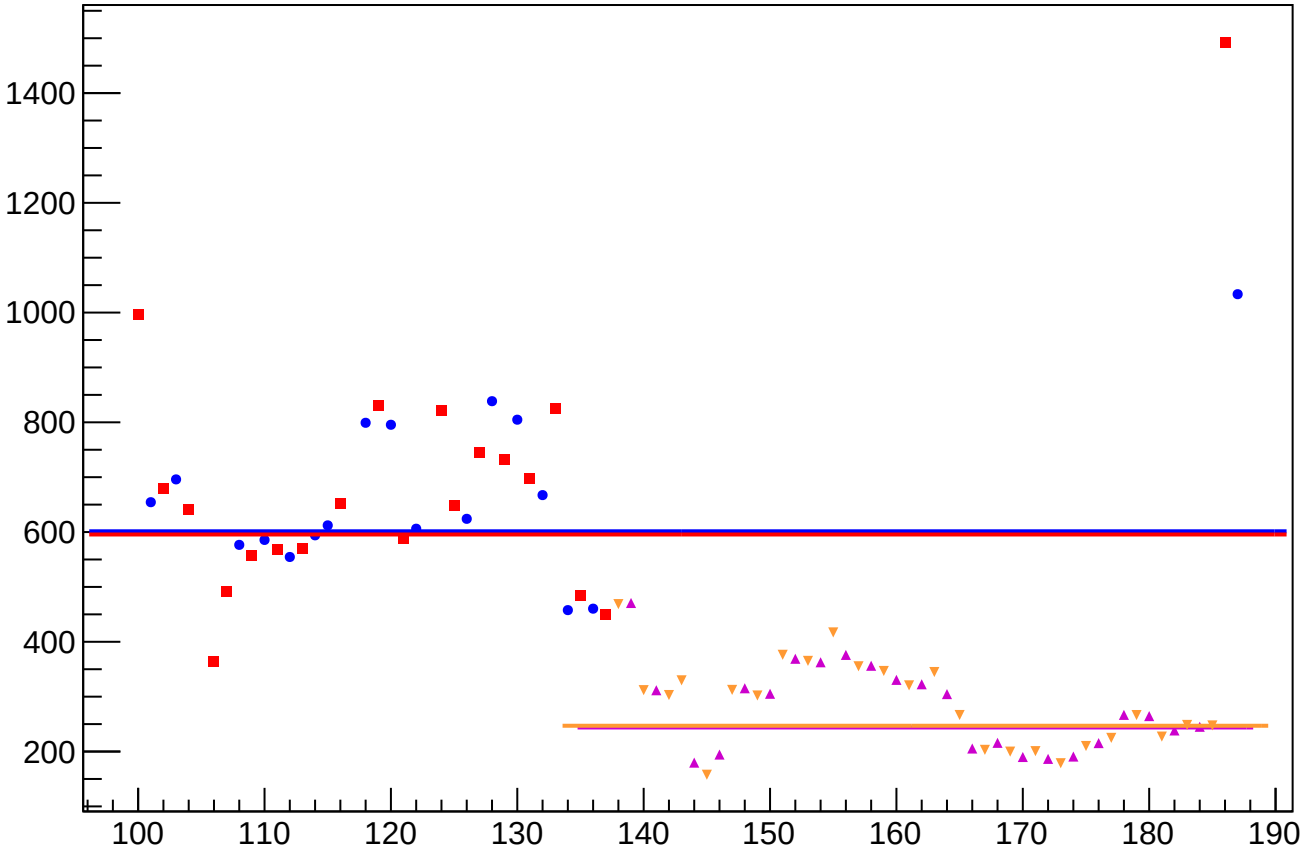
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -264.162+/-56.646 χ^2/NDF: 95.1/41

All: -161.457+/-40.299 χ^2/NDF: 146.8/84

- sign -56.212+/-57.342 χ^2/NDF: 45.1/42

asym_sam_37_dd_eigen_dit_correction_rms vs Slug



Right In: 601.392+/-0.160 χ^2/NDF: 600239.3/16

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 595.568+/-0.156 χ^2/NDF: 985717.1/19

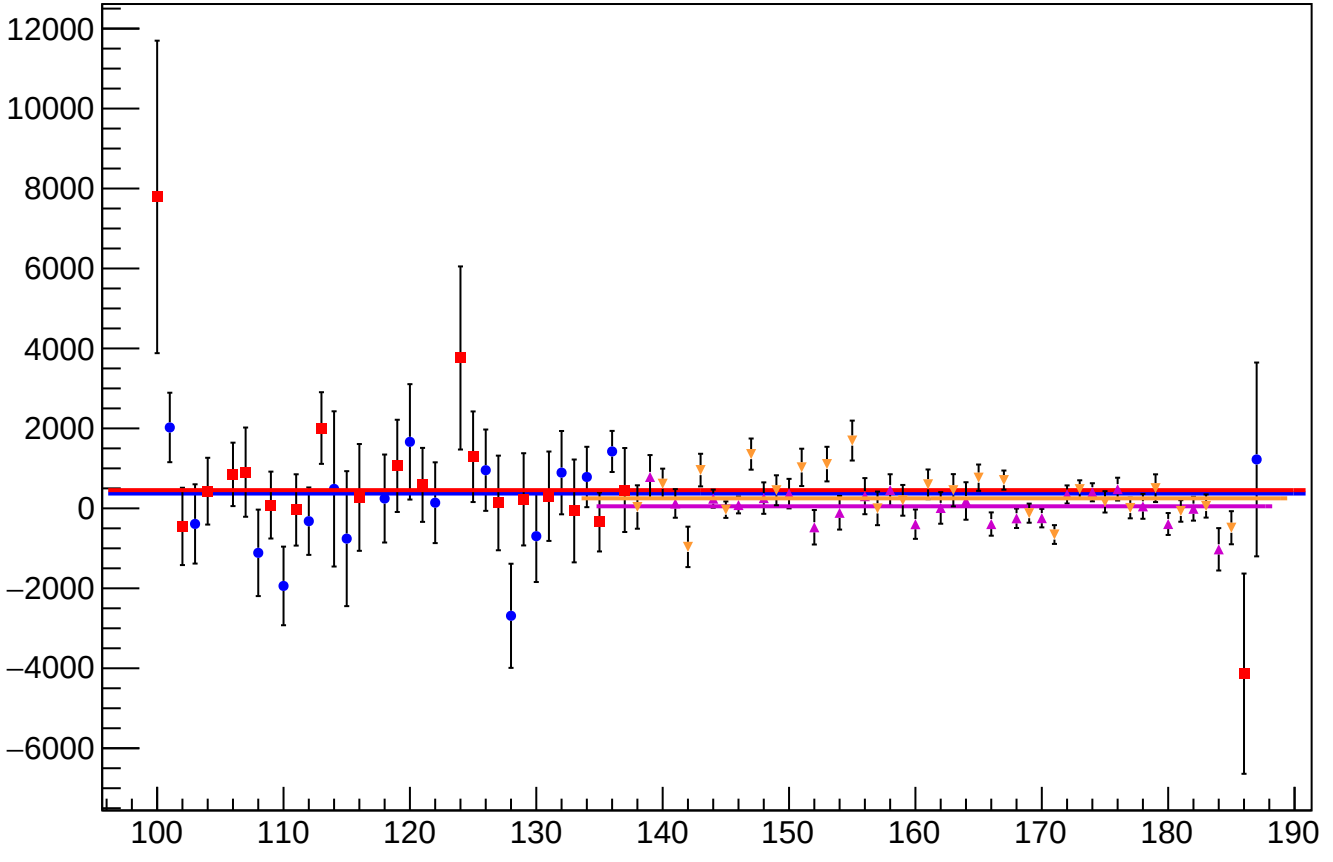
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 269.112+/-0.040 χ^2/NDF: 8106405.1/41

All: 268.433+/-0.028 χ^2/NDF: 16351475.2/84

- sign 267.737+/-0.041 χ^2/NDF: 8244488.4/42

asym_sam_37_dd_mean vs Slug



Right In: 370.764+/-239.131 χ^2/NDF: 25.2/16

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 455.860+/-234.987 χ^2/NDF: 16.1/19

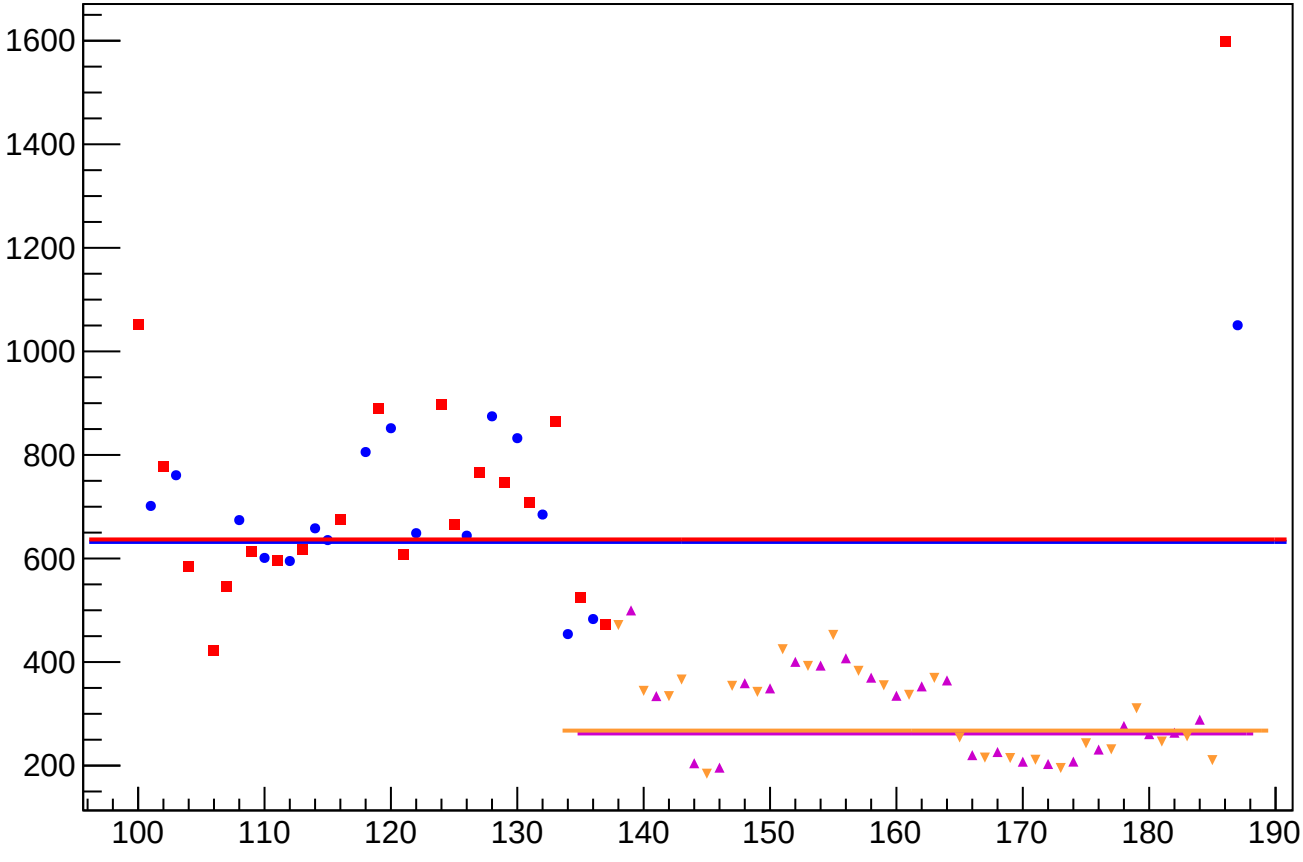
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 258.973+/-61.304 χ^2/NDF: 93.0/41

All: 169.677+/-43.456 χ^2/NDF: 142.9/84

- sign 79.489+/-61.610 χ^2/NDF: 45.6/42

asym_sam_37_dd_rms vs Slug



Right In: 632.009+/-0.169 χ^2/NDF: 626989.6/16

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

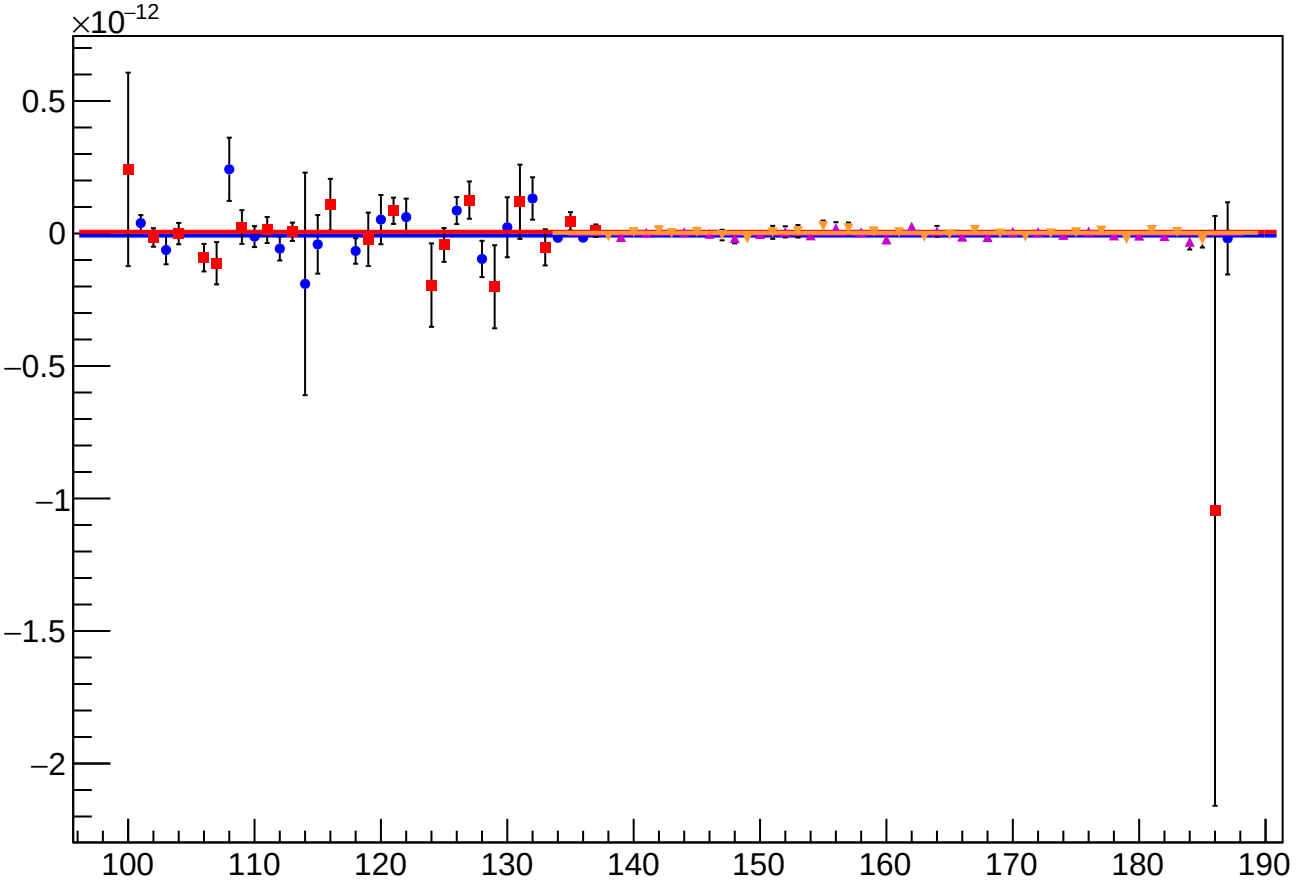
Right Out: 636.791+/-0.166 χ^2/NDF: 868461.3/19

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 291.539+/-0.043 χ^2/NDF: 7767938.7/41

All: 289.703+/-0.031 χ^2/NDF: 15913096.2/84

- sign 287.849+/-0.044 χ^2/NDF: 8141552.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

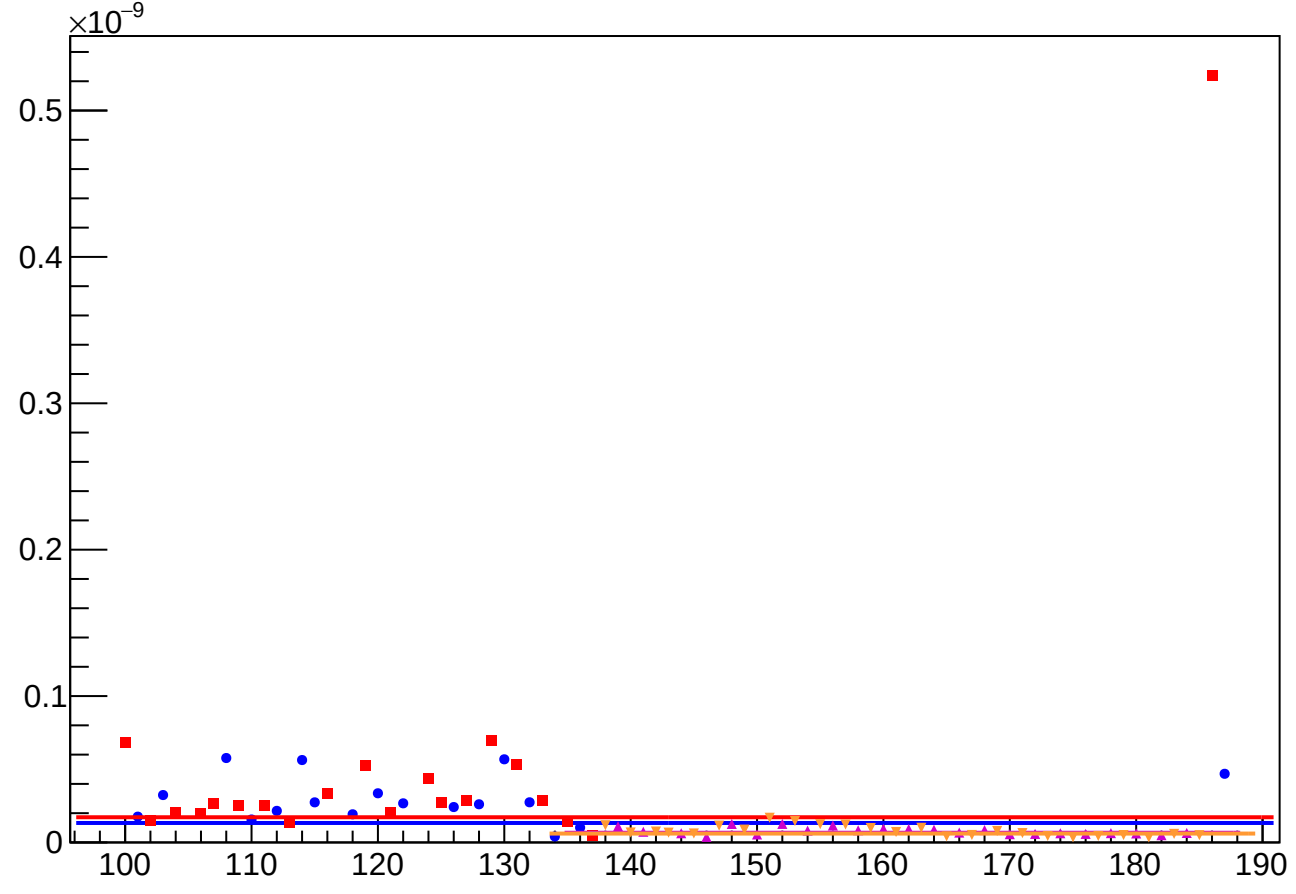
Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/19

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/41

All: 0.000+/-0.000 χ^2/NDF: 71.5/84

- sign -0.000+/-0.000 χ^2/NDF: 33.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 2205130.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2061089.2/19

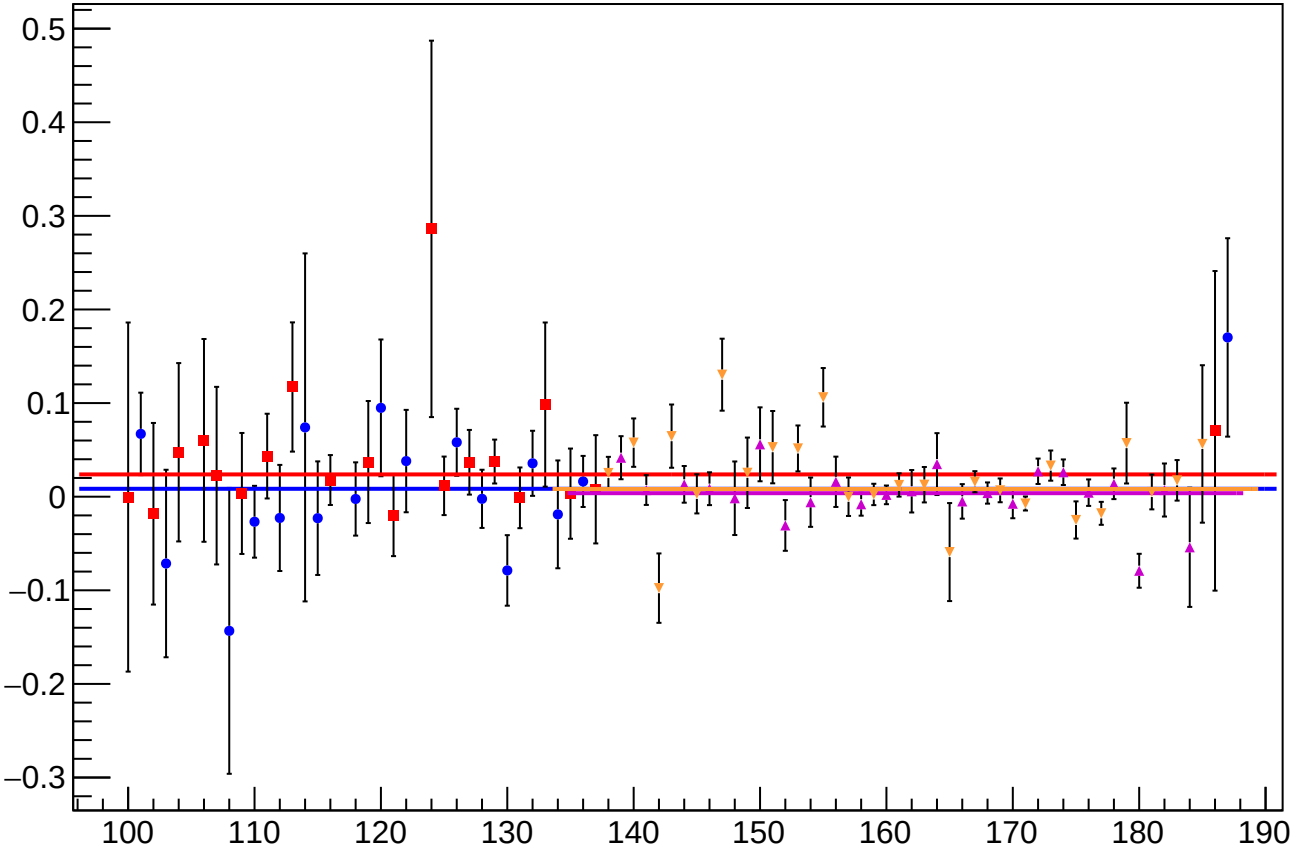
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5740524.4/41

All: 0.000+/-0.000 χ^2/NDF: 10639693.9/84

- sign 0.000+/-0.000 χ^2/NDF: 4835875.2/42

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/19

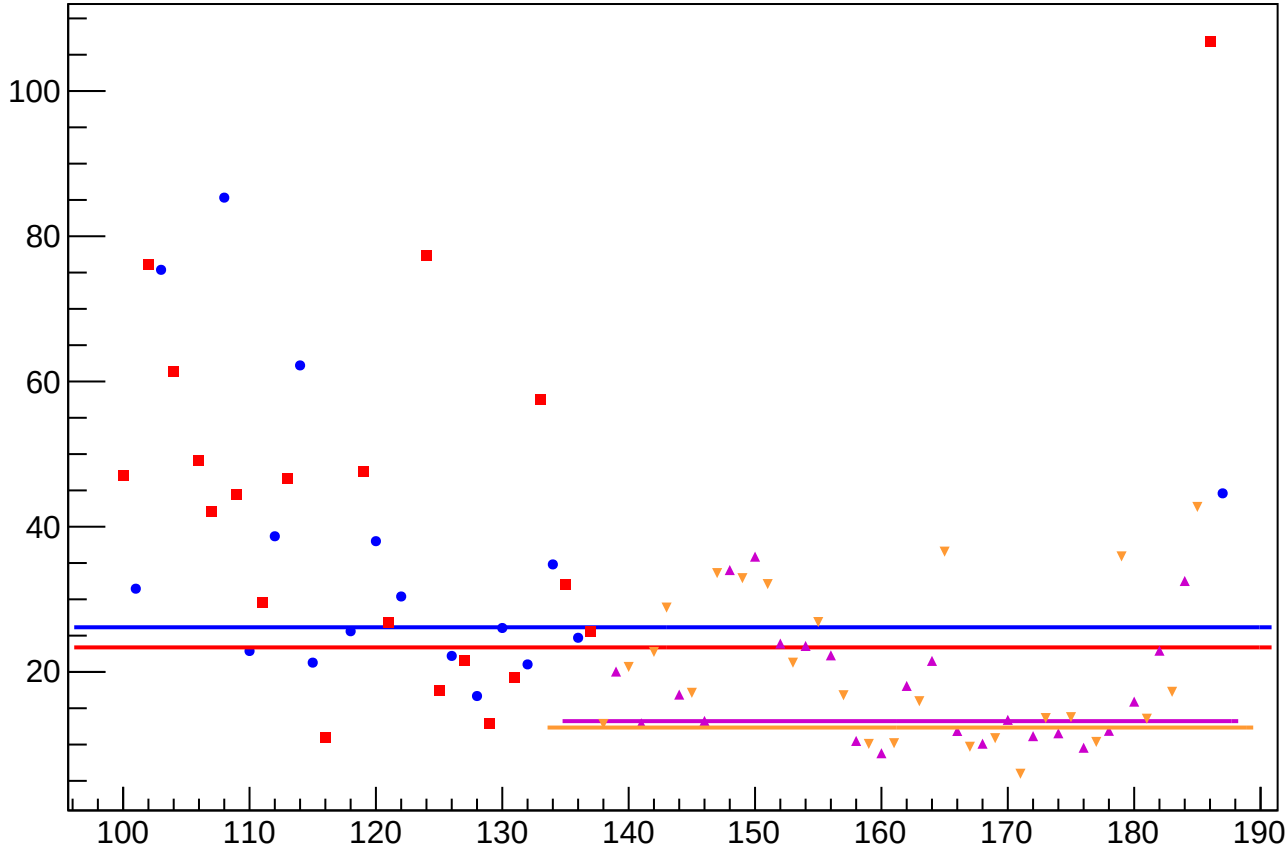
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 76.2/41

All: 0.007+/-0.002 χ^2/NDF: 124.5/84

- sign 0.006+/-0.003 χ^2/NDF: 48.1/42

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.151+/-0.008 χ^2/NDF: 1442885.4/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

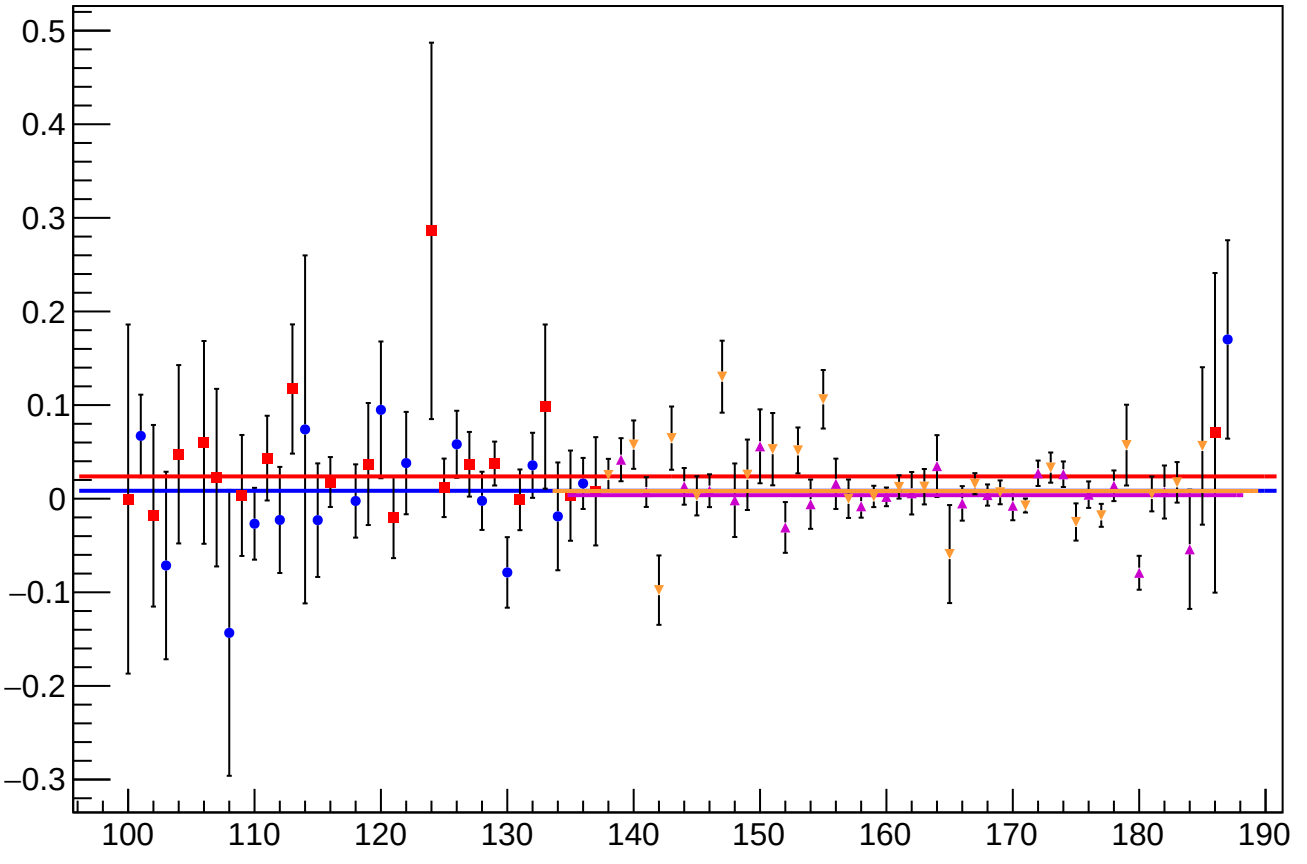
Right Out: 23.381+/-0.007 χ^2/NDF: 3840380.8/19

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.574+/-0.002 χ^2/NDF: 11036786.6/41

All: 13.929+/-0.002 χ^2/NDF: 20471989.6/84

- sign 14.314+/-0.002 χ^2/NDF: 9386807.3/42



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

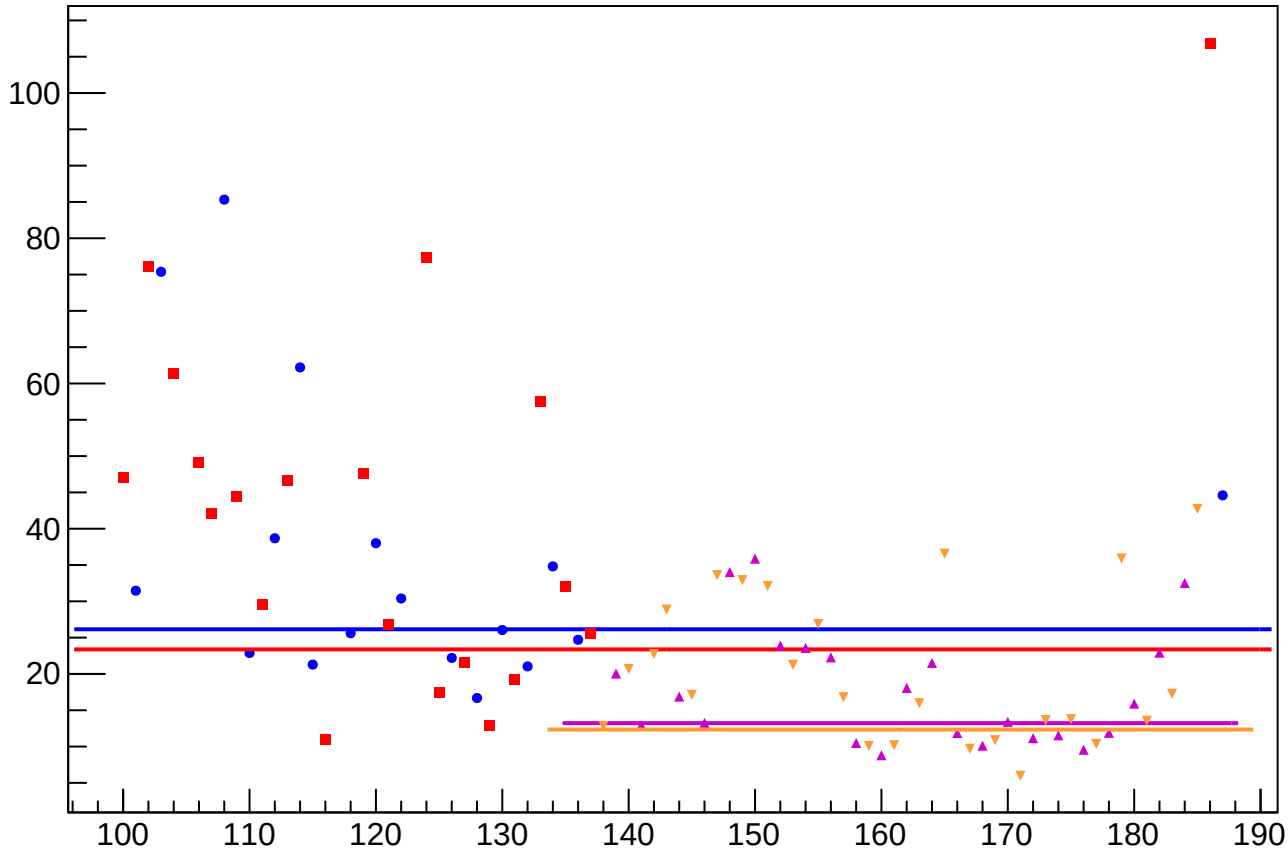
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/19

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 76.2/41

All: 0.007+/-0.002 χ^2/NDF: 124.5/84

- sign 0.006+/-0.003 χ^2/NDF: 48.1/42



Right In: 26.151+/-0.008 χ^2/NDF: 1442885.4/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

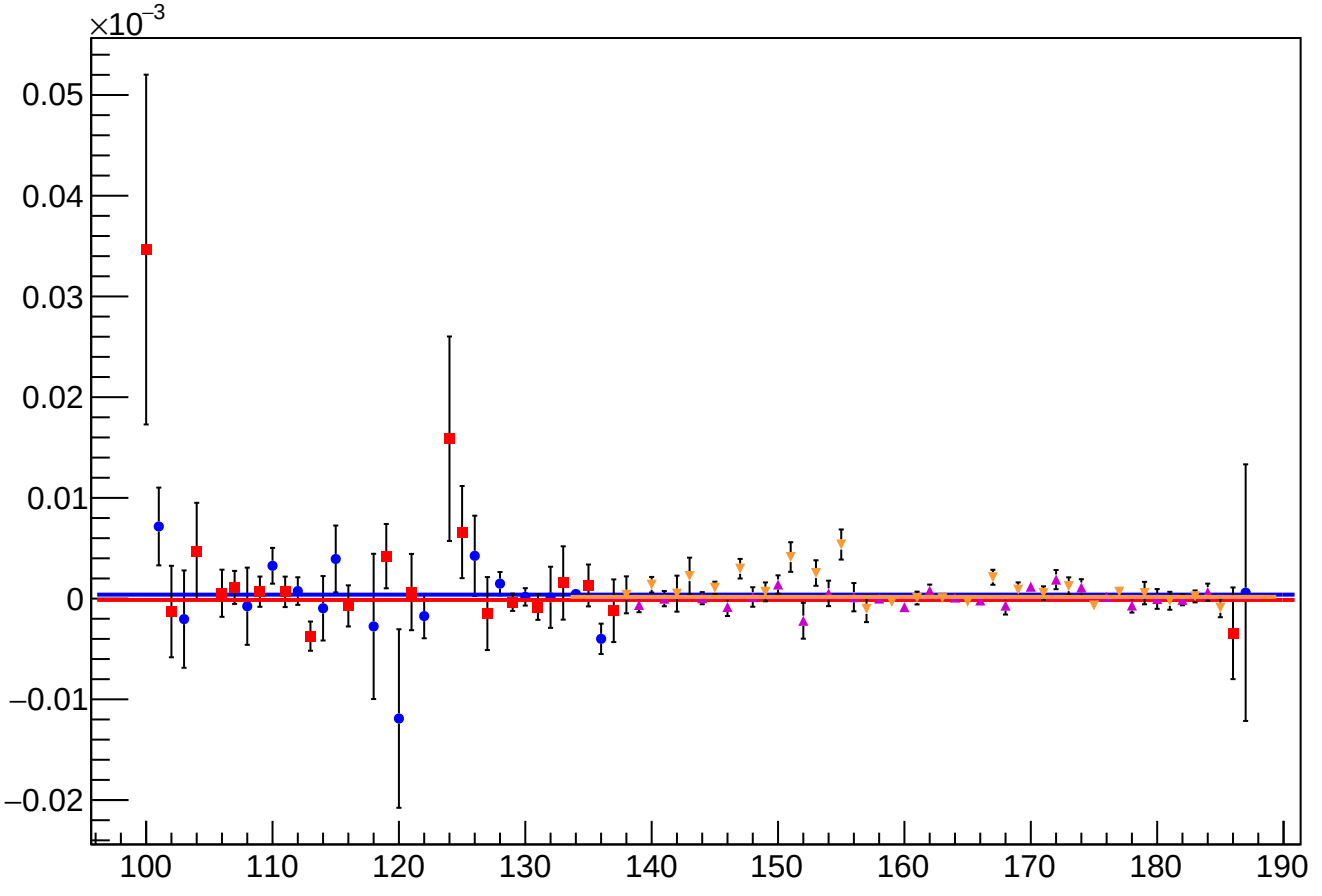
Right Out: 23.381+/-0.007 χ^2/NDF: 3840380.8/19

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 13.574+/-0.002 χ^2/NDF: 11036786.6/41

All: 13.929+/-0.002 χ^2/NDF: 20471989.6/84

- sign 14.314+/-0.002 χ^2/NDF: 9386807.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

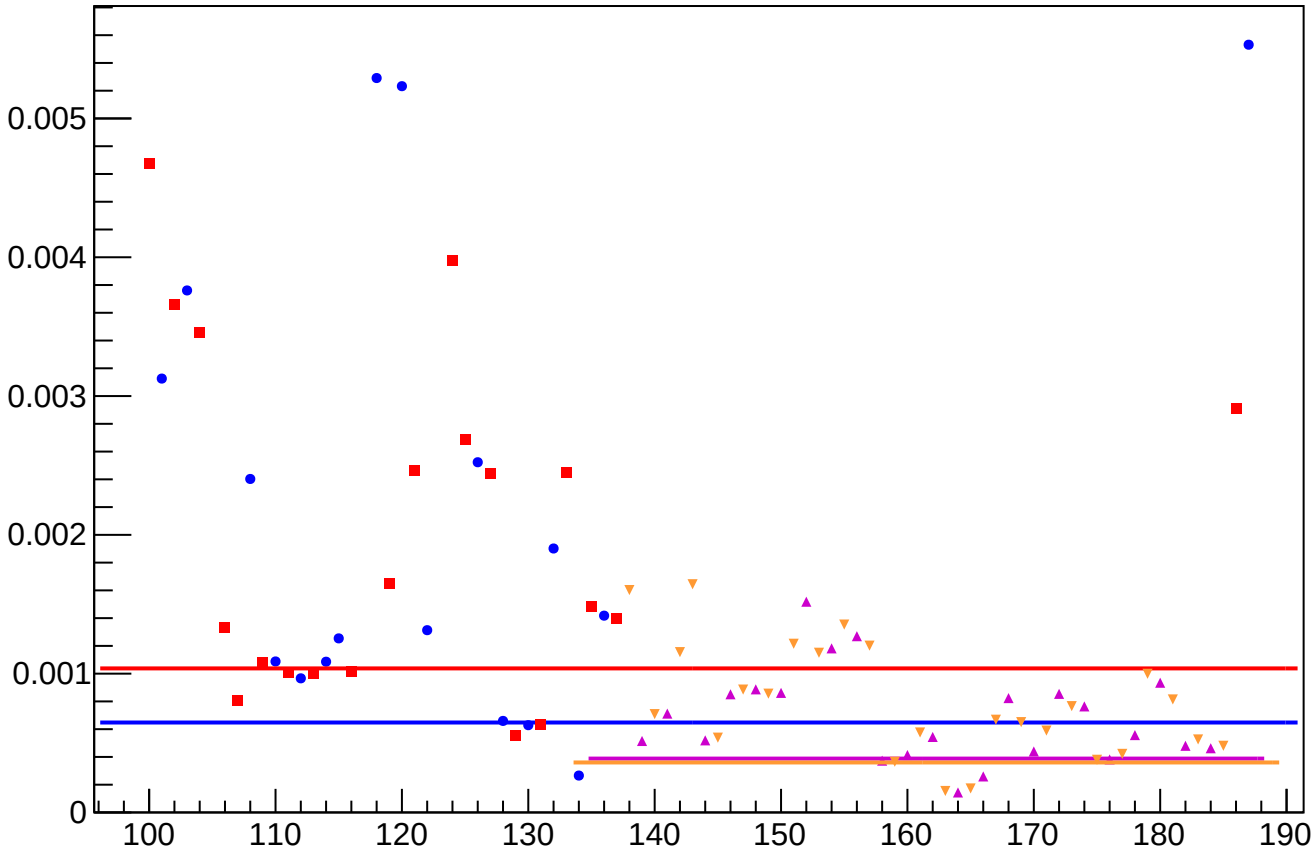
Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.7/41

All: 0.000+/-0.000 χ^2/NDF: 129.0/84

- sign 0.000+/-0.000 χ^2/NDF: 45.6/42



Right In: 0.001+/-0.000 χ^2/NDF: 6869770.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4005490.3/19

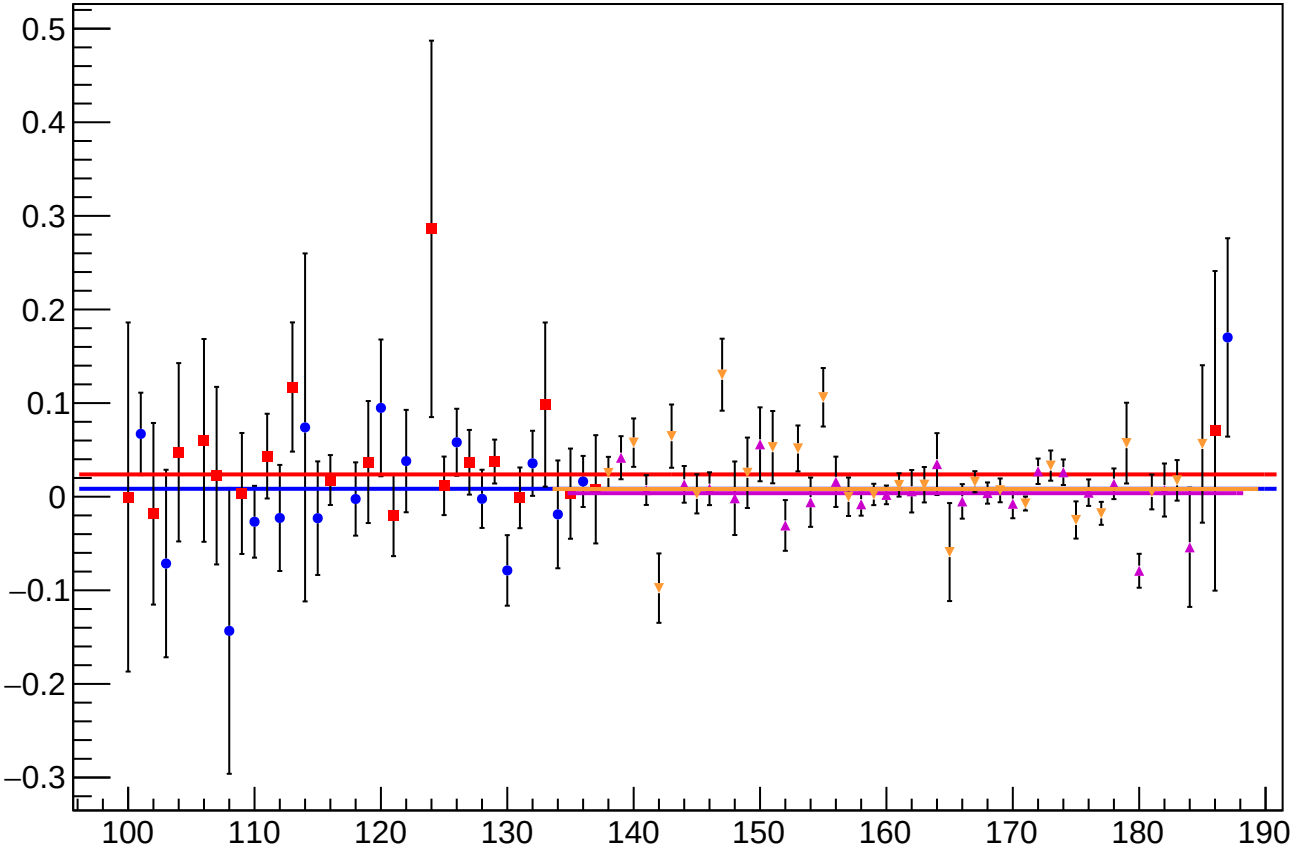
Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 22199161.3/41

All: 0.000+/-0.000 χ^2/NDF: 40780049.3/84

- sign 0.000+/-0.000 χ^2/NDF: 18424930.1/42

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

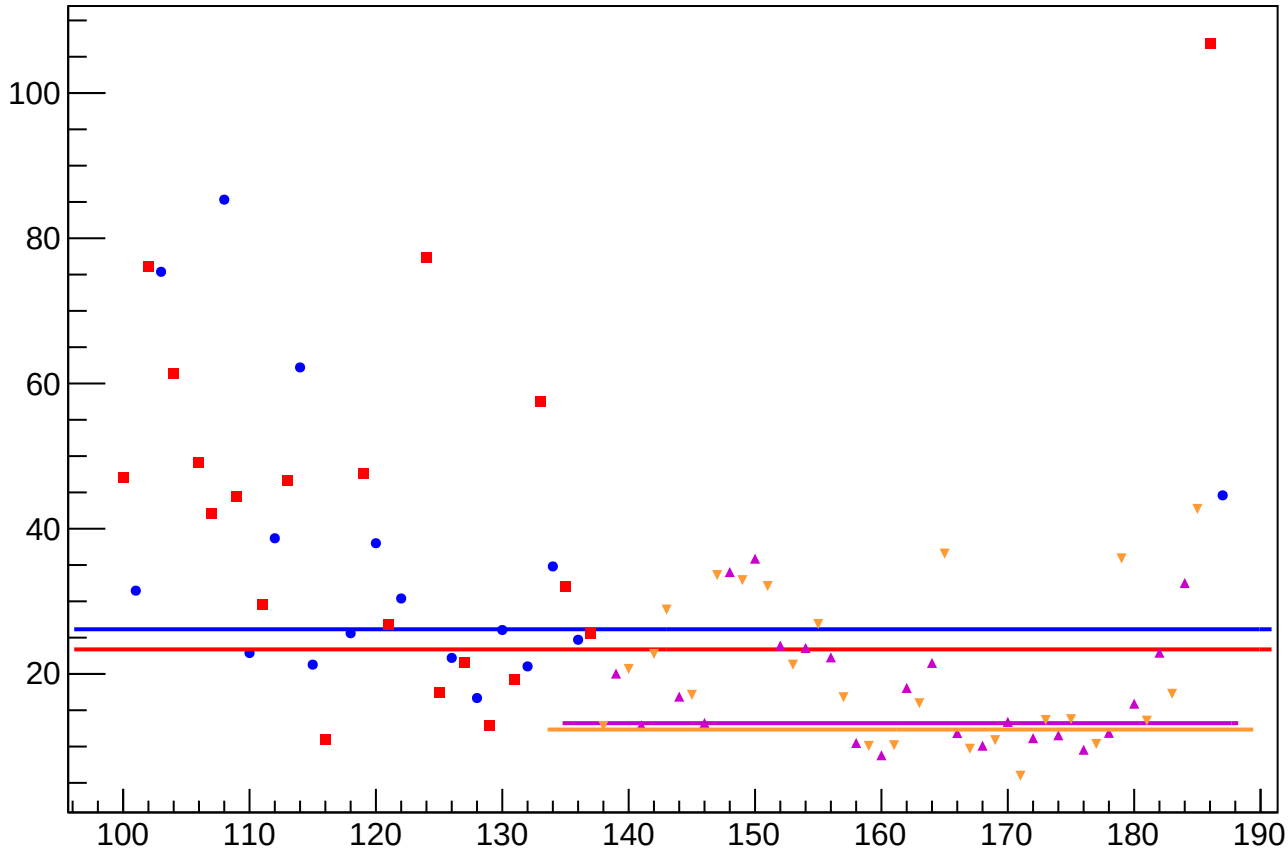
Right Out: 0.024+/-0.010 χ^2/NDF: 7.6/19

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 76.2/41

All: 0.007+/-0.002 χ^2/NDF: 124.5/84

- sign 0.006+/-0.003 χ^2/NDF: 48.1/42



Right In: 26.152+/-0.008 χ^2/NDF: 1442832.6/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

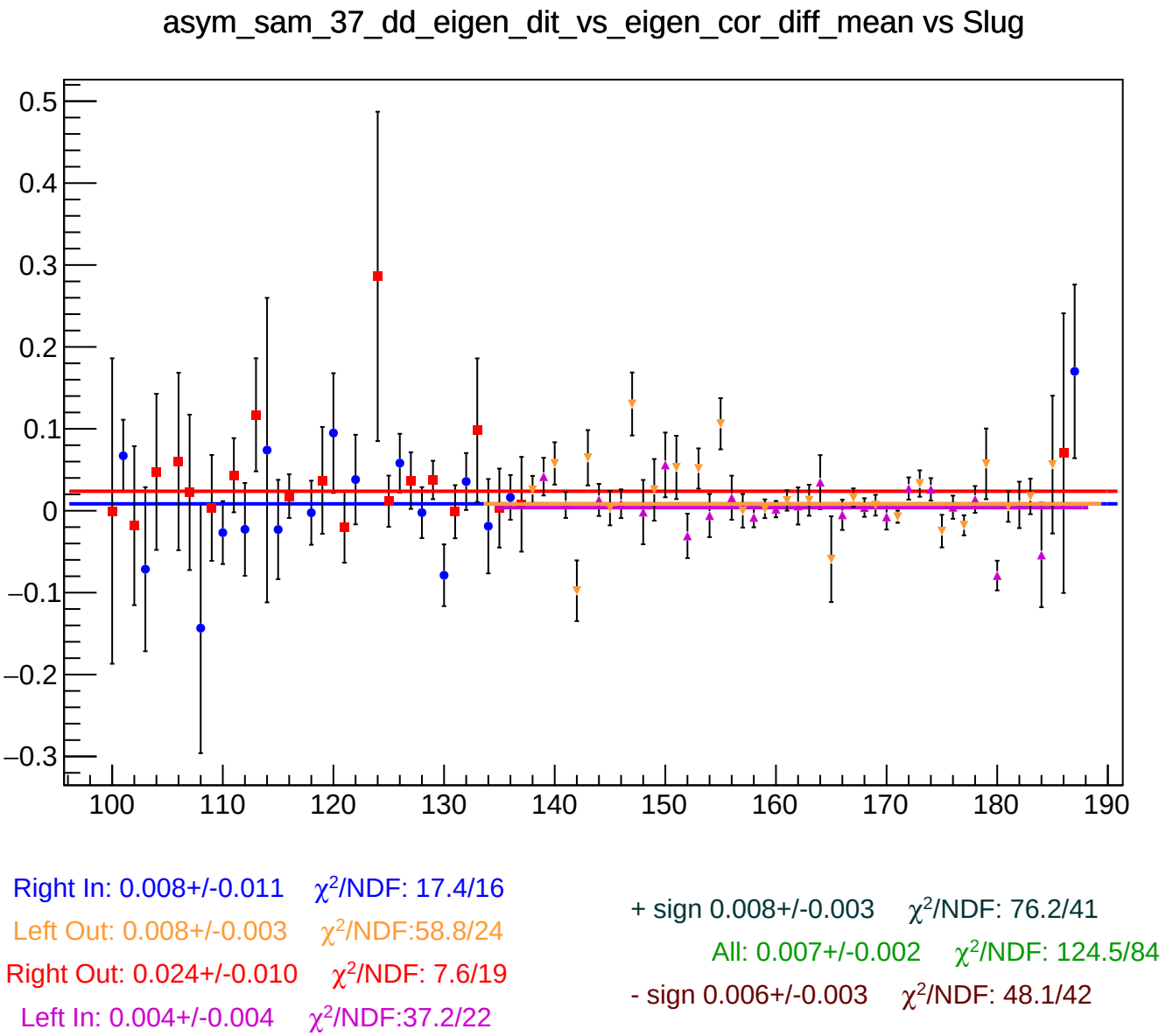
Right Out: 23.381+/-0.007 χ^2/NDF: 3840212.0/19

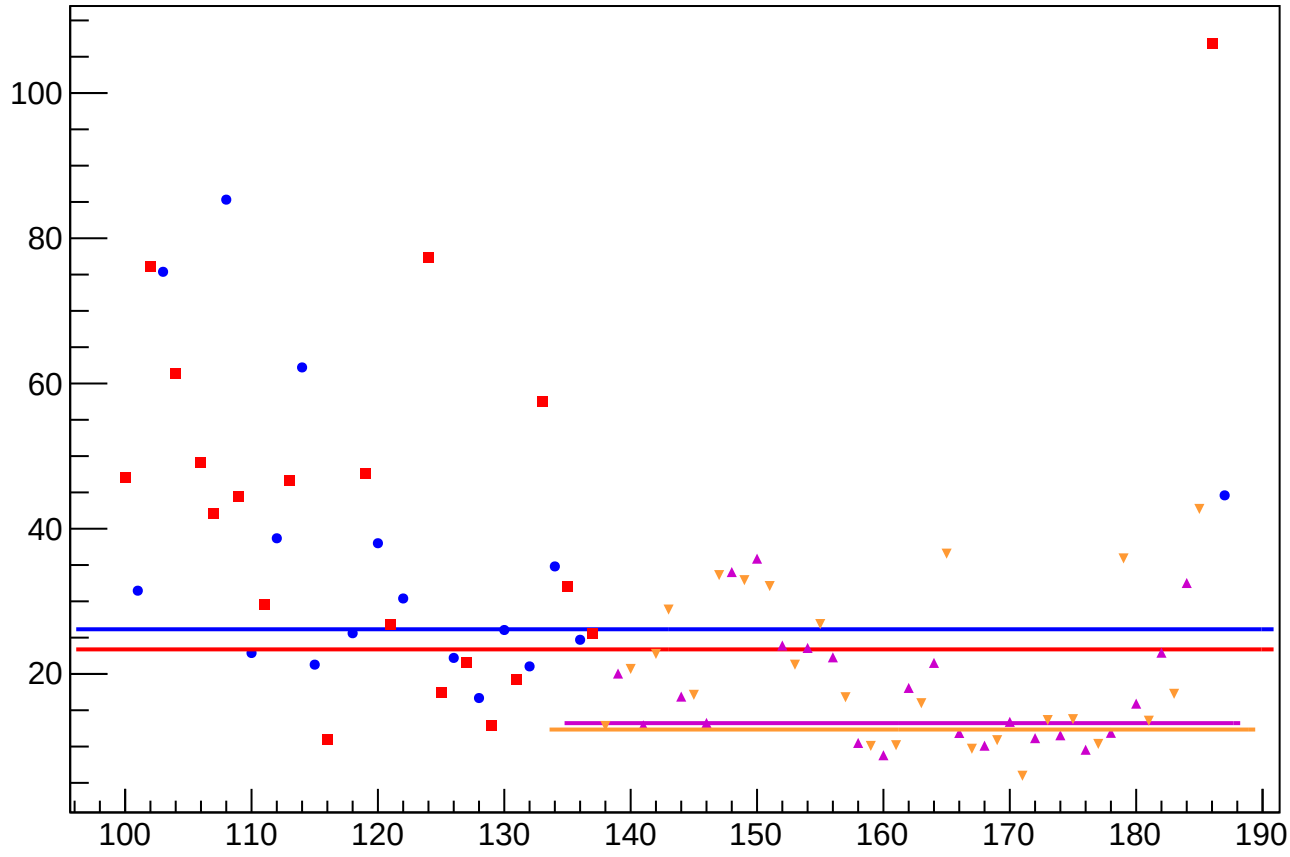
Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.574+/-0.002 χ^2/NDF: 11037032.2/41

All: 13.929+/-0.002 χ^2/NDF: 20472333.1/84

- sign 14.315+/-0.002 χ^2/NDF: 9386909.8/42


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.011 χ²/NDF: 17.4/16
Left Out: 0.008+/-0.003 χ²/NDF:58.8/24
Right Out: 0.024+/-0.010 χ²/NDF: 7.6/19
Left In: 0.004+/-0.004 χ²/NDF:37.2/22
+ sign 0.008+/-0.003 χ²/NDF: 76.2/41
All: 0.007+/-0.002 χ²/NDF: 124.5/84
- sign 0.006+/-0.003 χ²/NDF: 48.1/42



Right In: 26.152+/-0.008 χ^2/NDF: 1442832.6/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

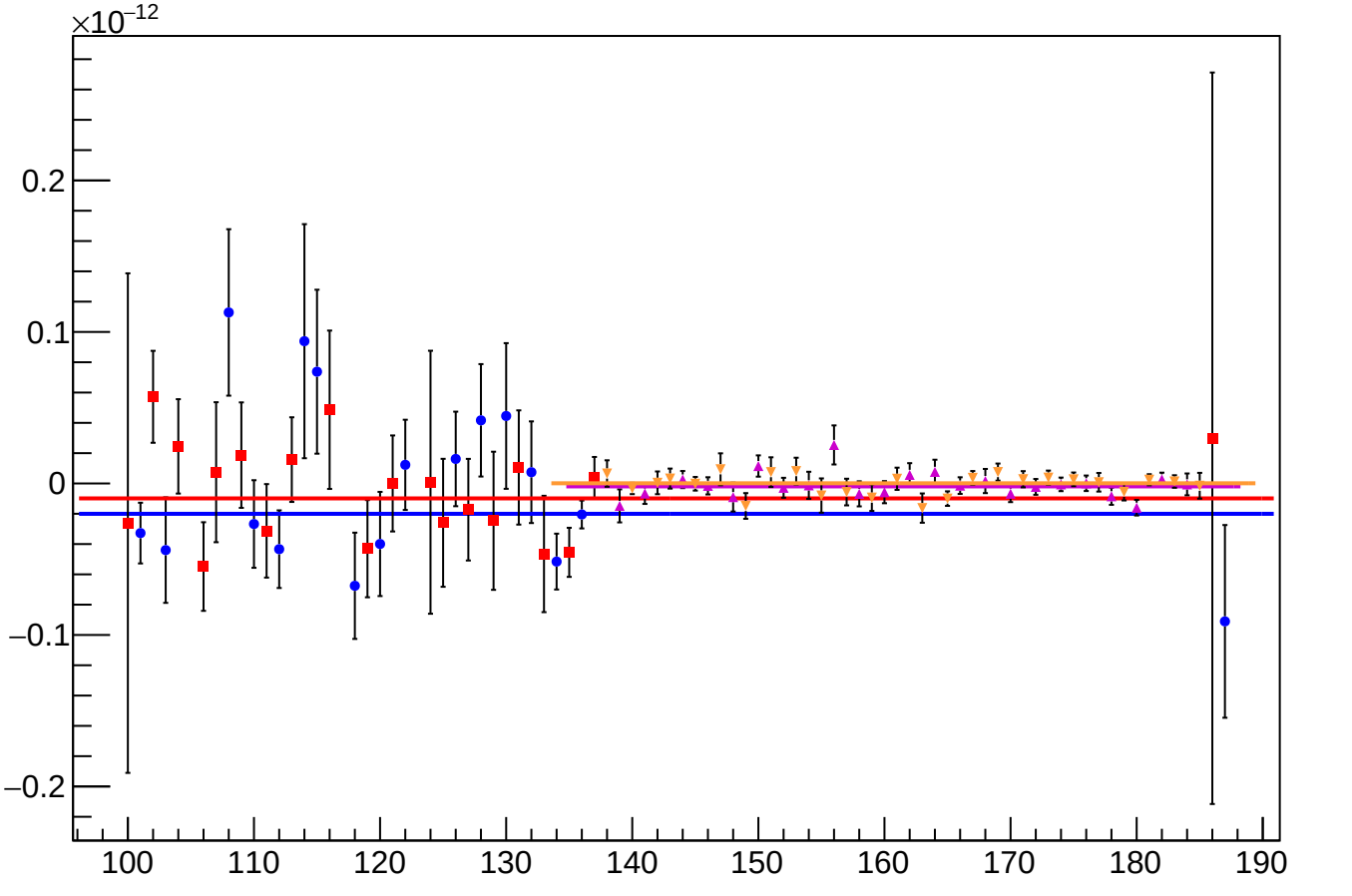
Right Out: 23.381+/-0.007 χ^2/NDF: 3840212.0/19

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 13.574+/-0.002 χ^2/NDF: 11037032.2/41

All: 13.929+/-0.002 χ^2/NDF: 20472333.1/84

- sign 14.315+/-0.002 χ^2/NDF: 9386909.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

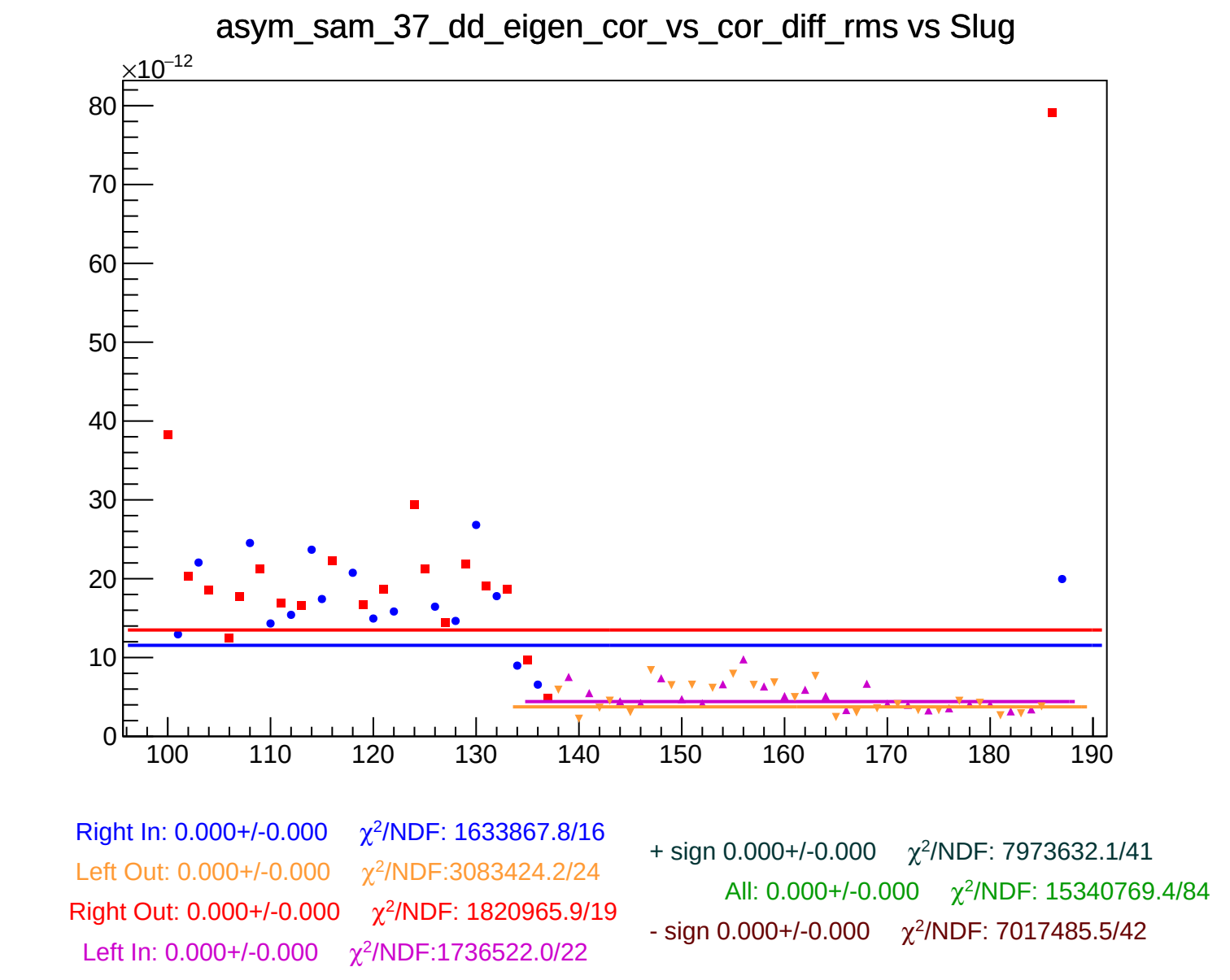
Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/19

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

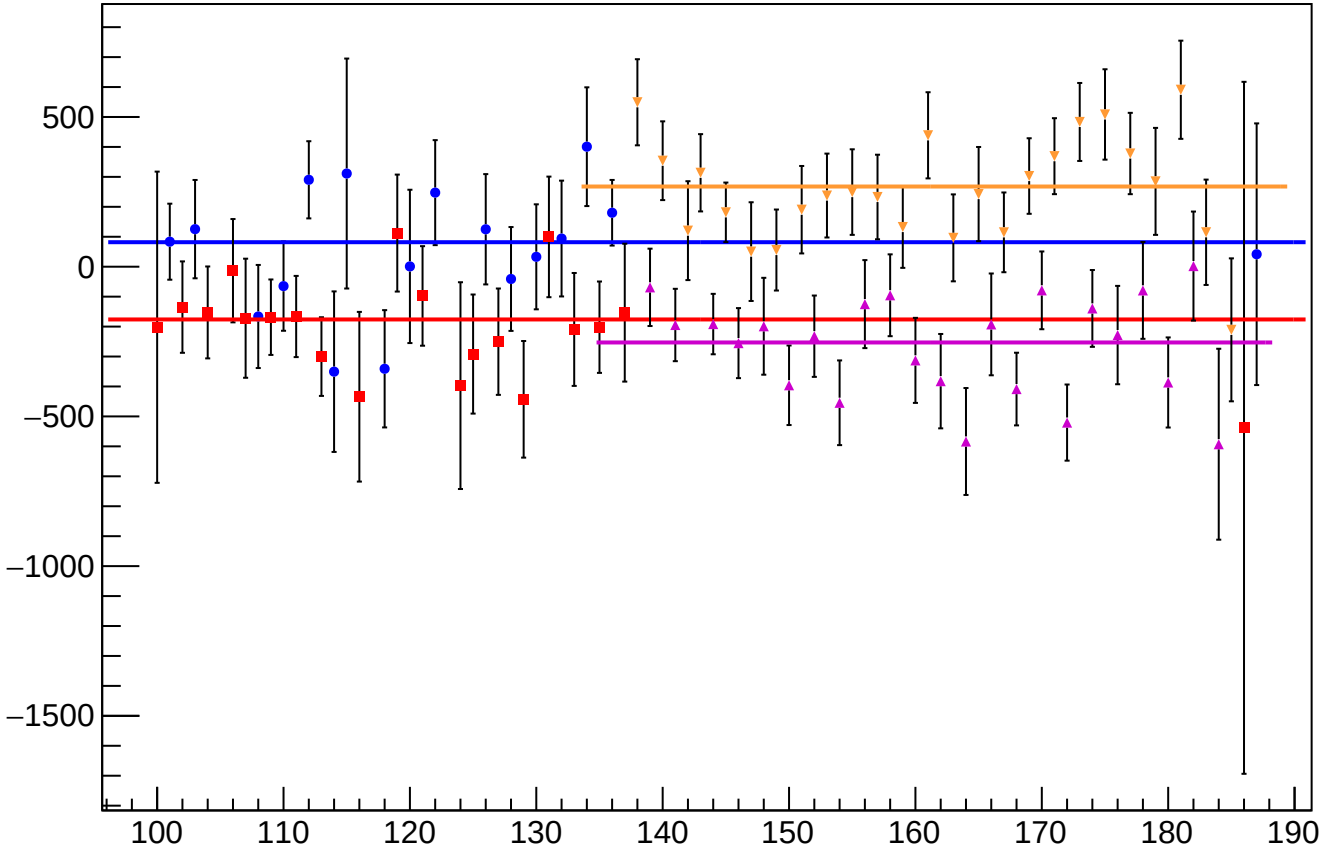
+ sign -0.000+/-0.000 χ^2/NDF: 59.3/41

All: -0.000+/-0.000 χ^2/NDF: 107.3/84

- sign -0.000+/-0.000 χ^2/NDF: 47.1/42


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1633867.8/16
Left Out: 0.000+/-0.000 χ²/NDF:3083424.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 1820965.9/19
Left In: 0.000+/-0.000 χ²/NDF:1736522.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7973632.1/41
All: 0.000+/-0.000 χ²/NDF: 15340769.4/84
- sign 0.000+/-0.000 χ²/NDF: 7017485.5/42

reg_asym_sam_48_dd_mean vs Slug



Right In: 81.823+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -176.180+/-40.647 χ^2/NDF: 10.0/19

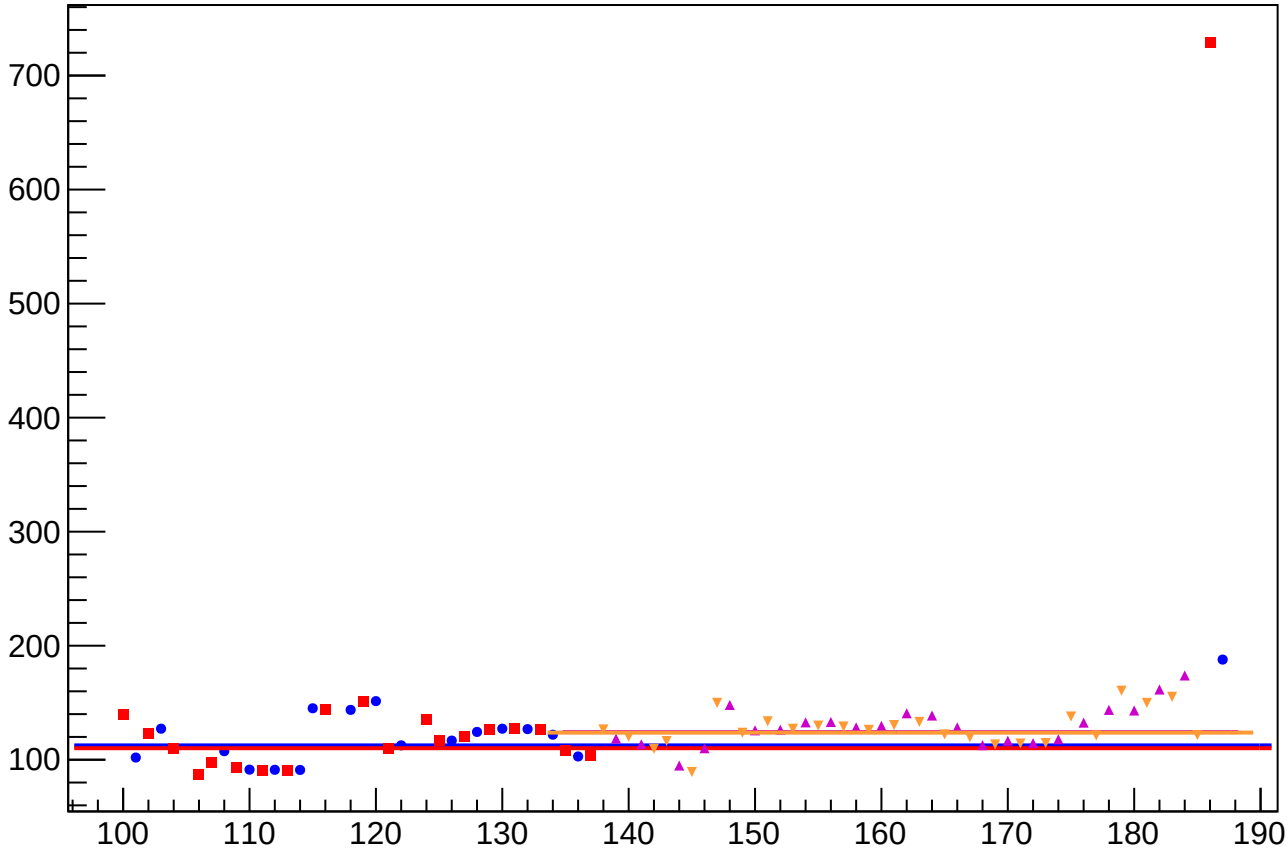
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 209.296+/-23.520 χ^2/NDF: 62.9/41

All: -6.369+/-16.721 χ^2/NDF: 271.4/84

- sign -226.749+/-23.776 χ^2/NDF: 38.5/42

reg_asym_sam_48_dd_rms vs Slug



Right In: 112.562+/-0.030 χ^2/NDF: 365900.2/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 110.107+/-0.029 χ^2/NDF: 941476.7/19

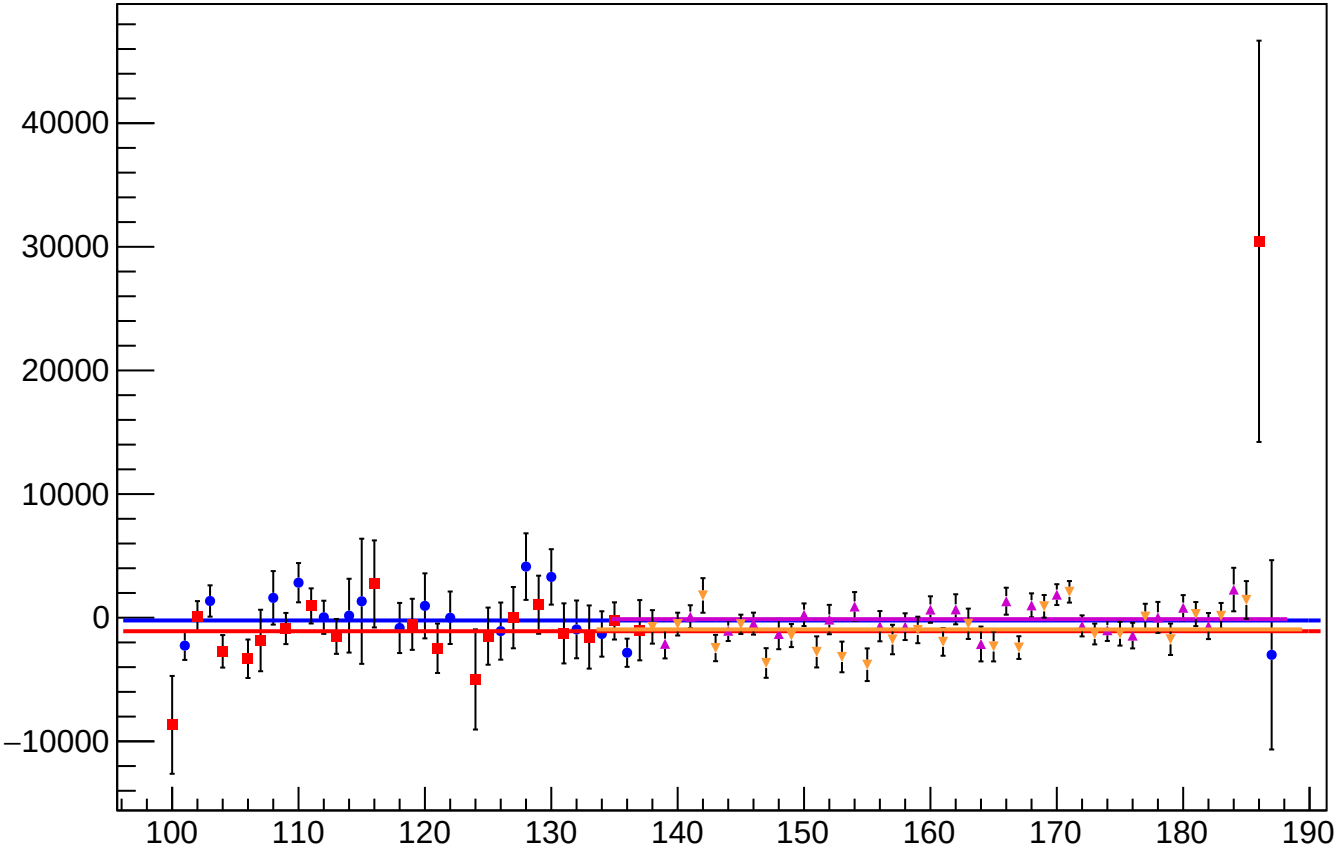
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.270+/-0.017 χ^2/NDF: 1062920.6/41

All: 119.848+/-0.012 χ^2/NDF: 2722404.2/84

- sign 119.417+/-0.017 χ^2/NDF: 1658181.2/42

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -223.534+/-443.217 χ^2/NDF: 20.6/16

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1093.273+/-422.895 χ^2/NDF: 18.3/19

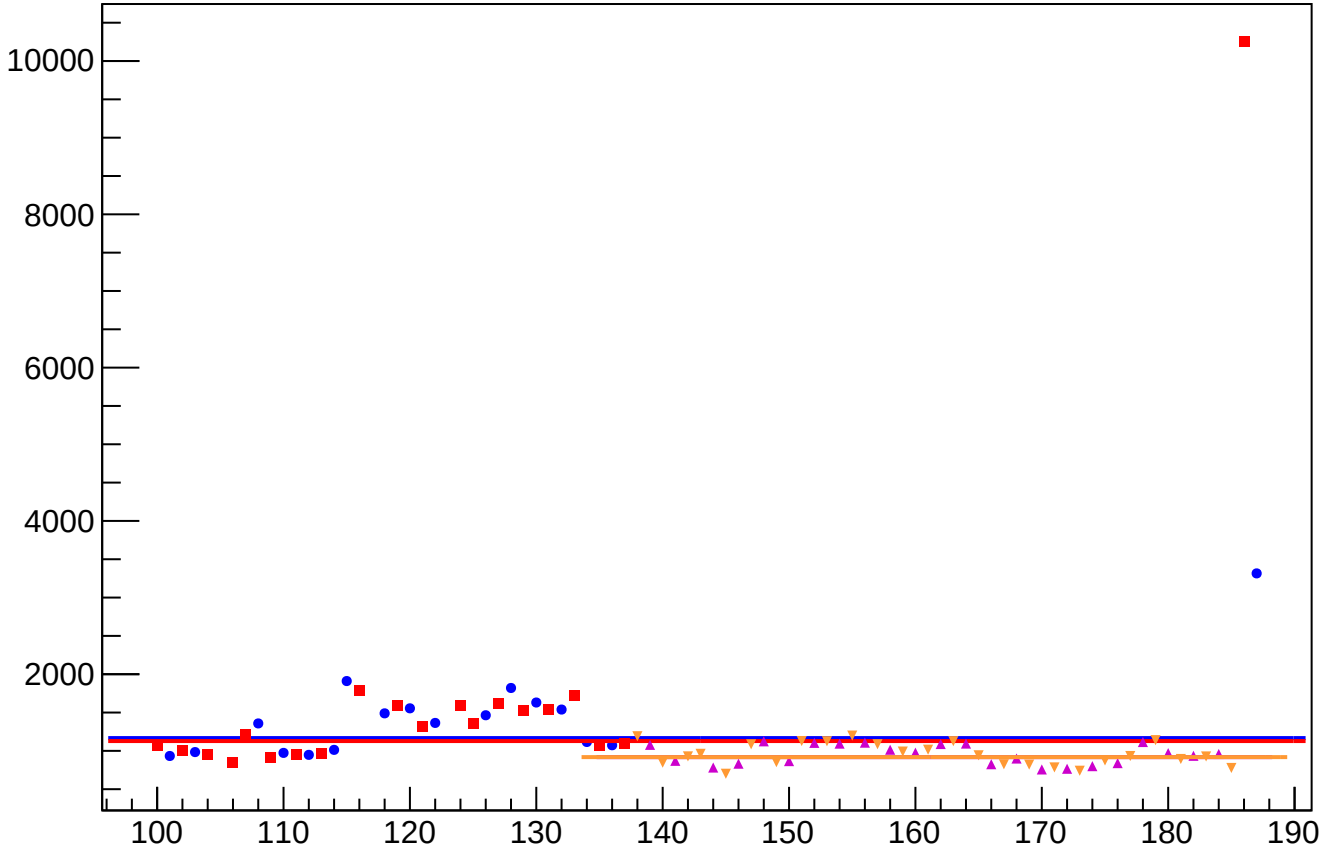
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -813.097+/-191.096 χ^2/NDF: 73.0/41

All: -570.144+/-135.857 χ^2/NDF: 123.2/84

- sign -321.857+/-193.183 χ^2/NDF: 46.9/42

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1166.792+/-0.313 χ^2/NDF: 841737.4/16

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1127.952+/-0.299 χ^2/NDF: 1415091.9/19

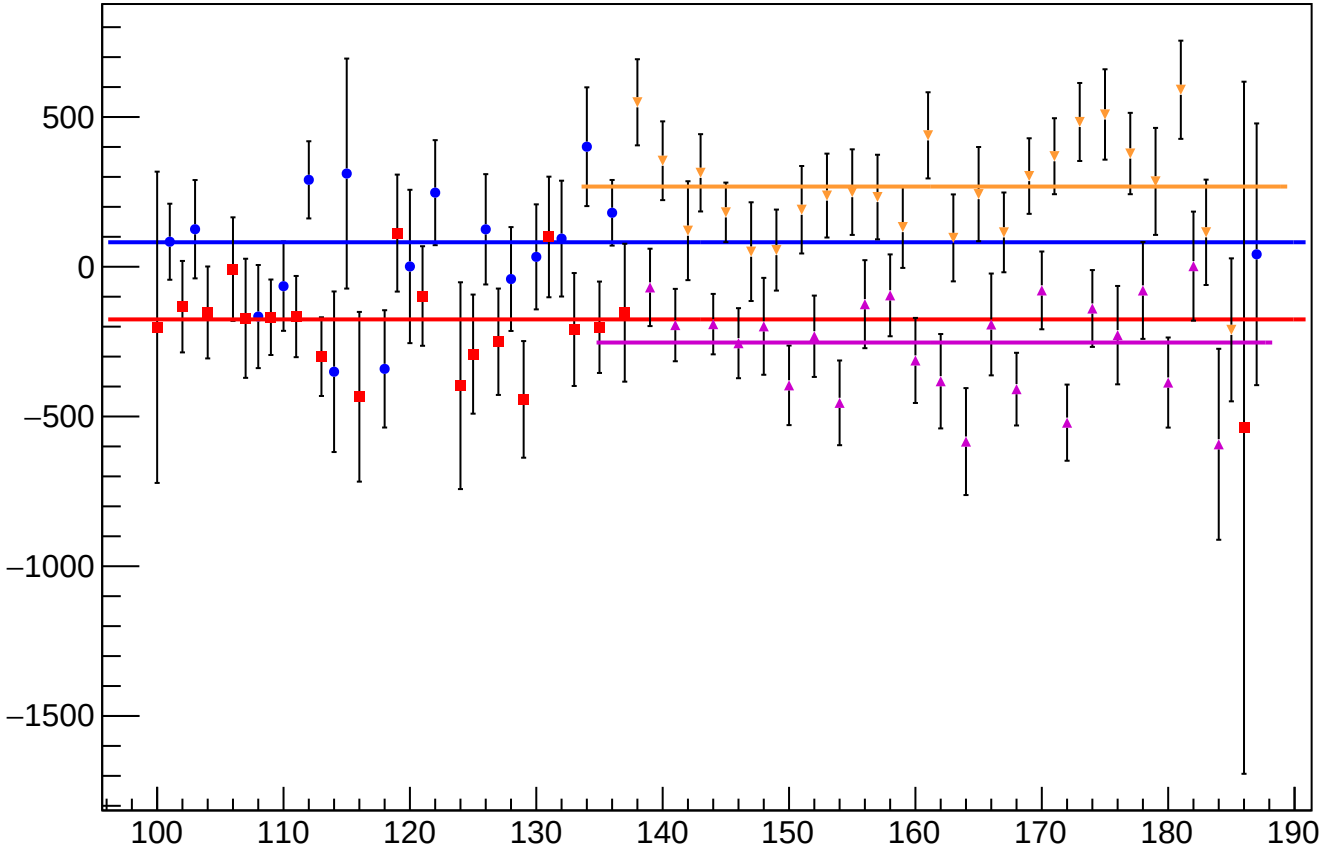
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 964.658+/-0.135 χ^2/NDF: 2240527.0/41

All: 963.334+/-0.096 χ^2/NDF: 4711365.9/84

- sign 961.981+/-0.137 χ^2/NDF: 2470644.9/42

cor_asym_sam_48_dd_mean vs Slug



Right In: 81.811+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -175.787+/-40.653 χ^2/NDF: 10.0/19

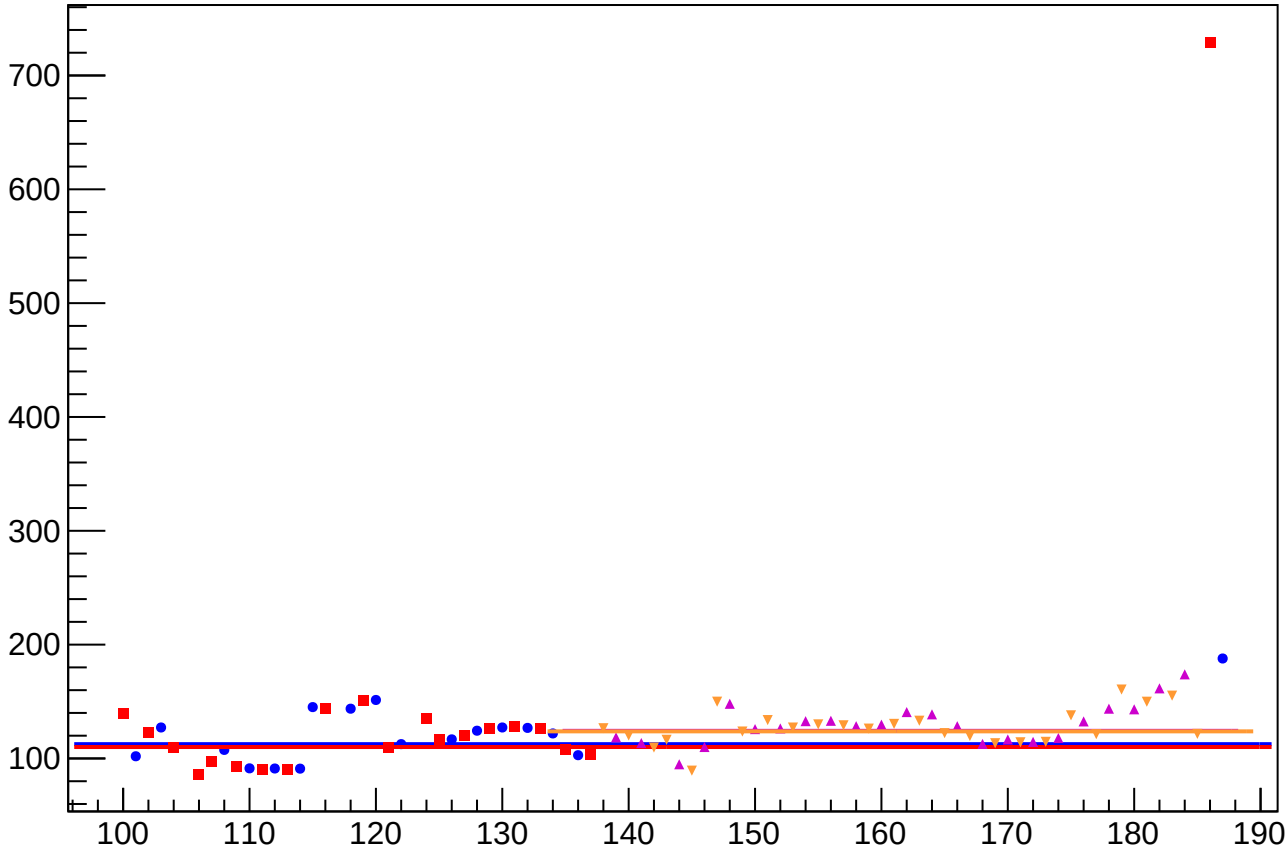
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 209.298+/-23.520 χ^2/NDF: 62.9/41

All: -6.294+/-16.721 χ^2/NDF: 271.3/84

- sign -226.621+/-23.777 χ^2/NDF: 38.6/42

cor_asym_sam_48_dd_rms vs Slug



Right In: 112.562+/-0.030 χ^2/NDF: 365901.3/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 110.051+/-0.029 χ^2/NDF: 945072.2/19

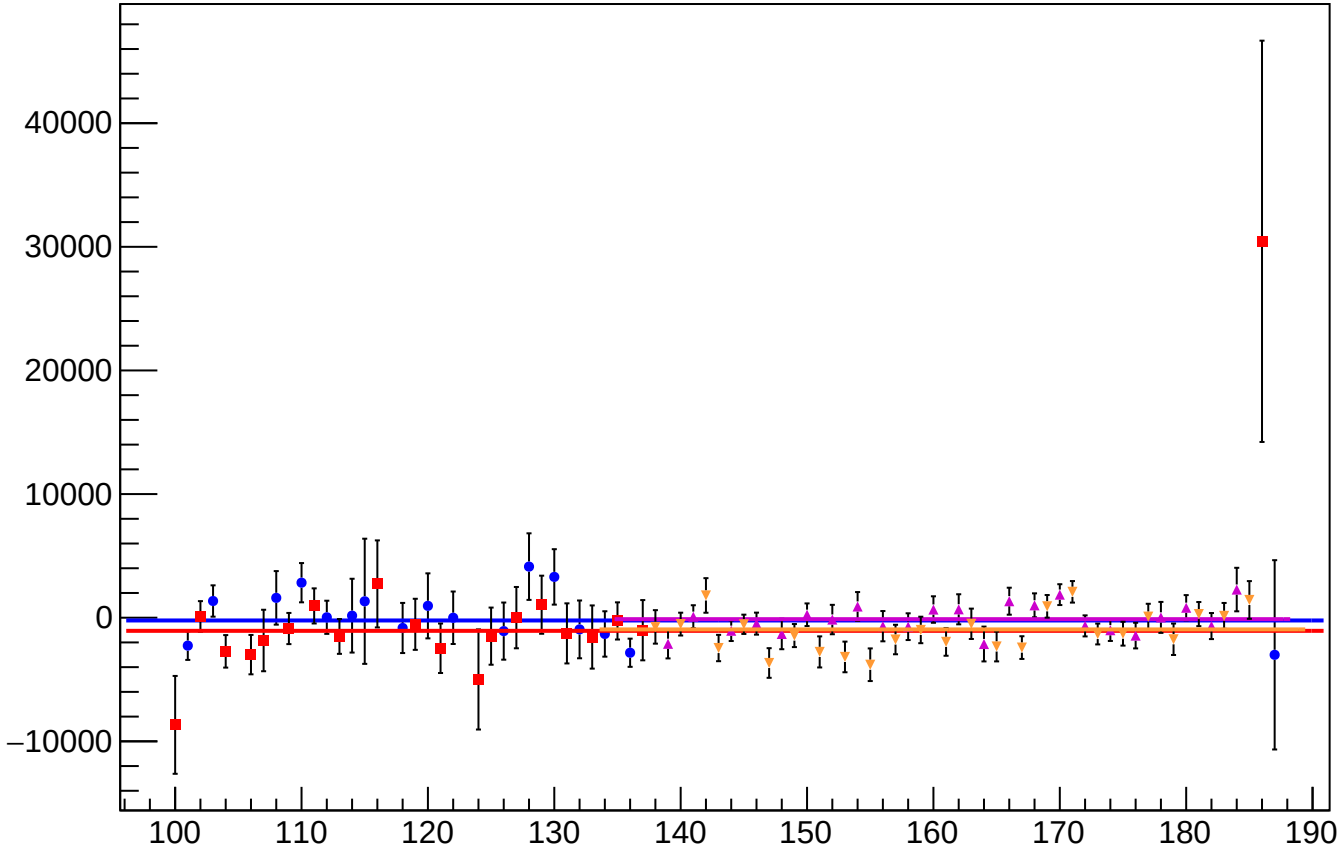
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.271+/-0.017 χ^2/NDF: 1062921.2/41

All: 119.839+/-0.012 χ^2/NDF: 2727289.3/84

- sign 119.399+/-0.017 χ^2/NDF: 1663009.4/42

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -223.625+/-443.221 χ^2/NDF: 20.6/16

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1062.462+/-423.630 χ^2/NDF: 17.7/19

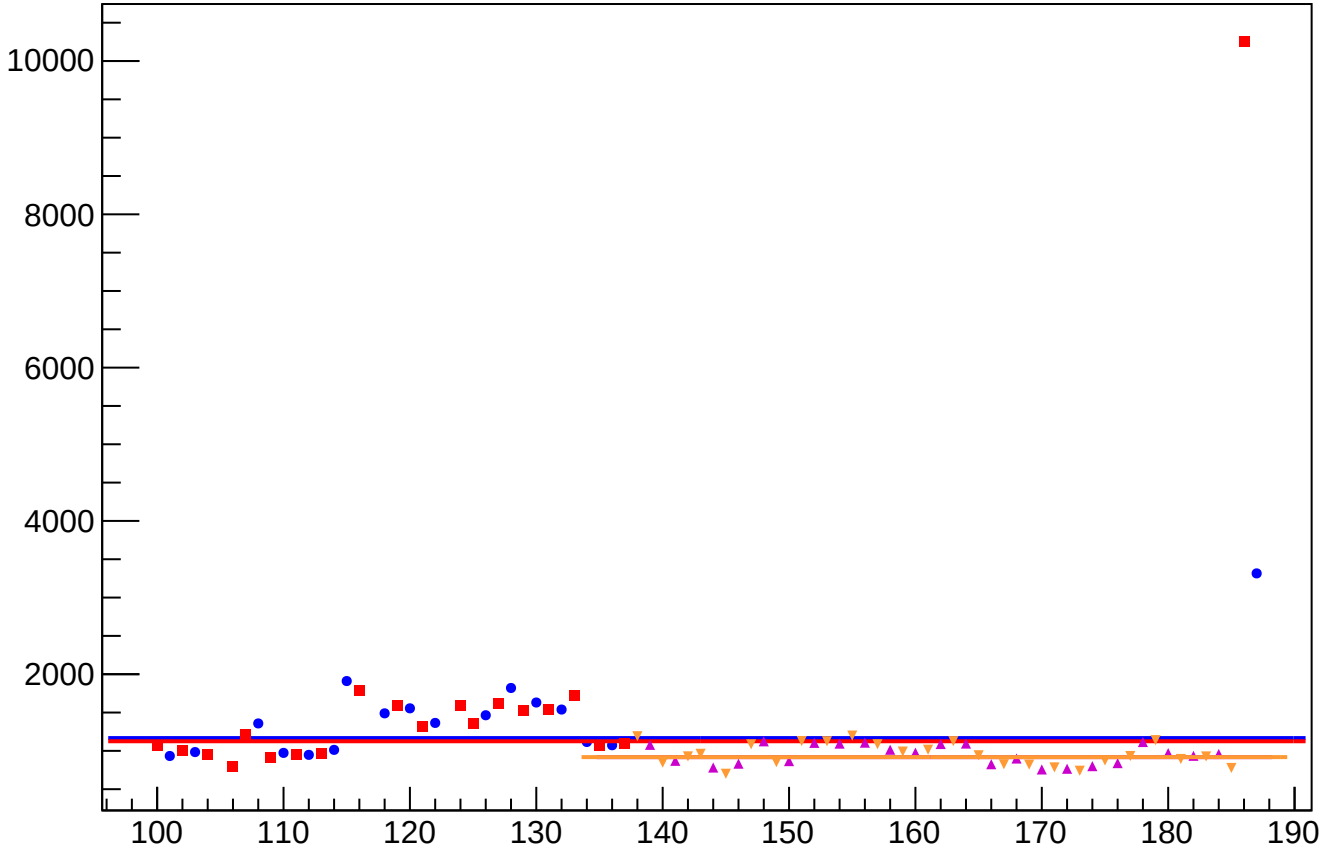
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

\+ sign -813.106+/-191.097 χ^2/NDF: 73.0/41

All: -566.792+/-135.882 χ^2/NDF: 122.4/84

\- sign -314.889+/-193.253 χ^2/NDF: 46.0/42

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1166.801+/-0.313 χ^2/NDF: 841704.6/16

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1125.379+/-0.300 χ^2/NDF: 1436331.6/19

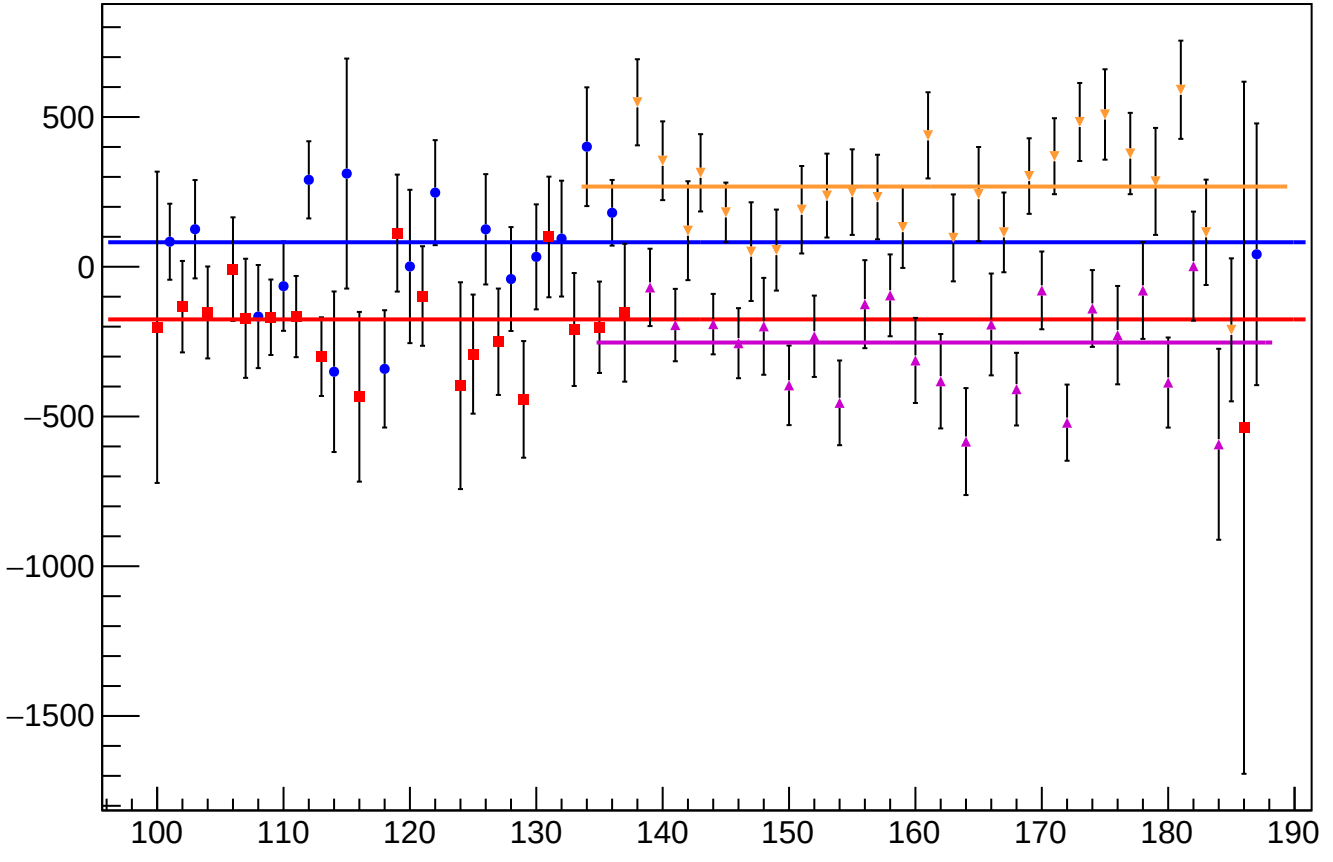
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 964.659+/-0.135 χ^2/NDF: 2240527.6/41

All: 963.011+/-0.096 χ^2/NDF: 4722179.1/84

- sign 961.326+/-0.137 χ^2/NDF: 2481350.7/42

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 81.811+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -175.787+/-40.653 χ^2/NDF: 10.0/19

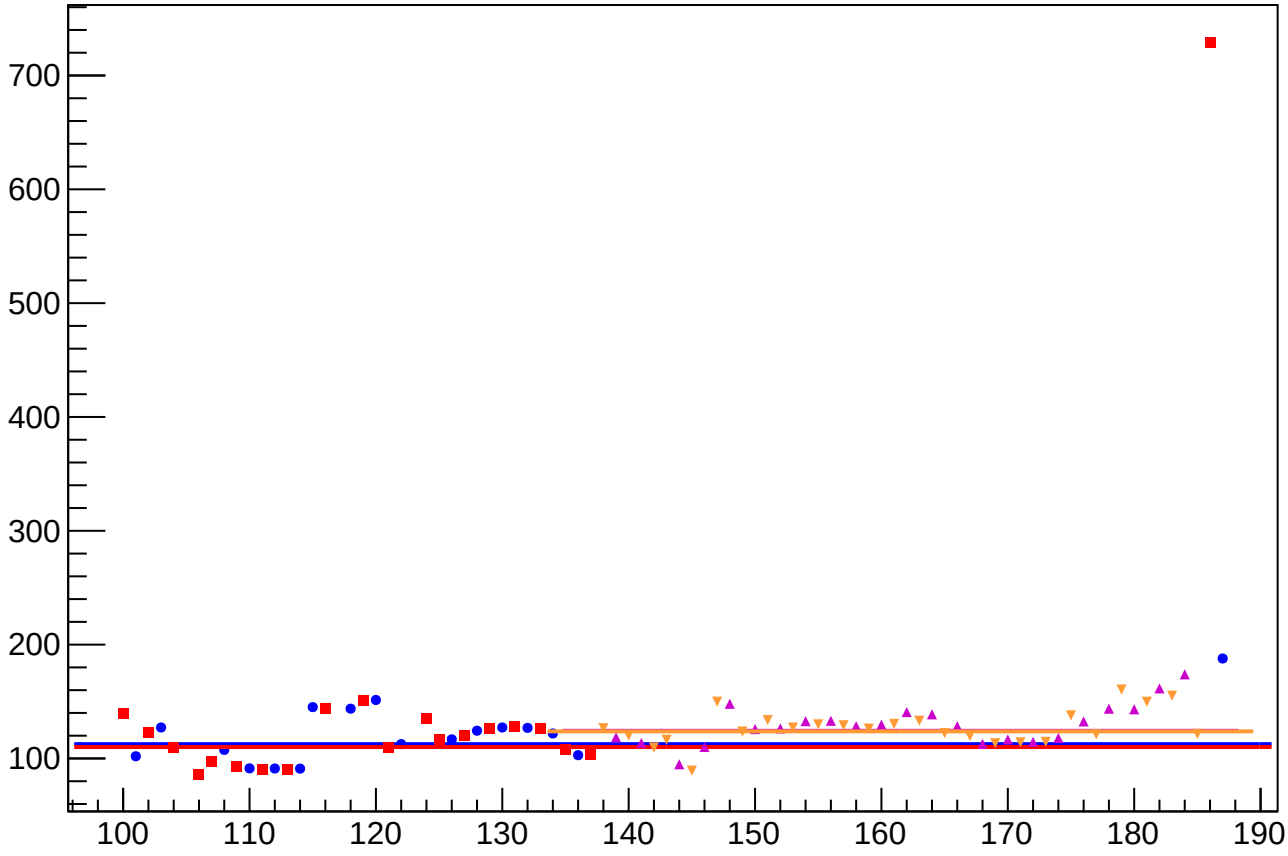
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 209.298+/-23.520 χ^2/NDF: 62.9/41

All: -6.294+/-16.721 χ^2/NDF: 271.3/84

- sign -226.621+/-23.777 χ^2/NDF: 38.6/42

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 112.562+/-0.030 χ^2/NDF: 365901.3/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

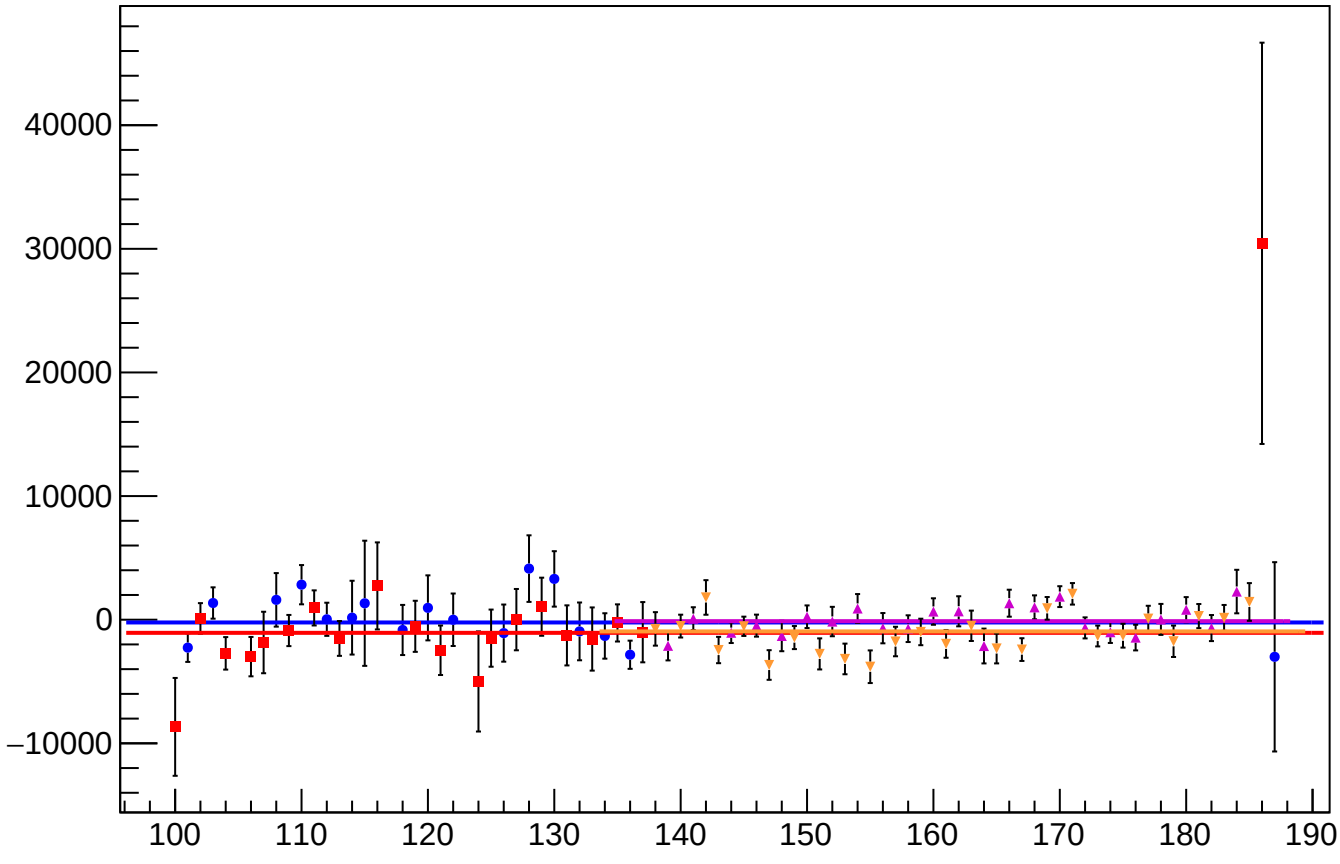
Right Out: 110.051+/-0.029 χ^2/NDF: 945072.2/19

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 120.271+/-0.017 χ^2/NDF: 1062921.2/41

All: 119.839+/-0.012 χ^2/NDF: 2727289.3/84

- sign 119.399+/-0.017 χ^2/NDF: 1663009.4/42



Right In: -223.625+/-443.221 χ^2/NDF: 20.6/16

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1062.462+/-423.630 χ^2/NDF: 17.7/19

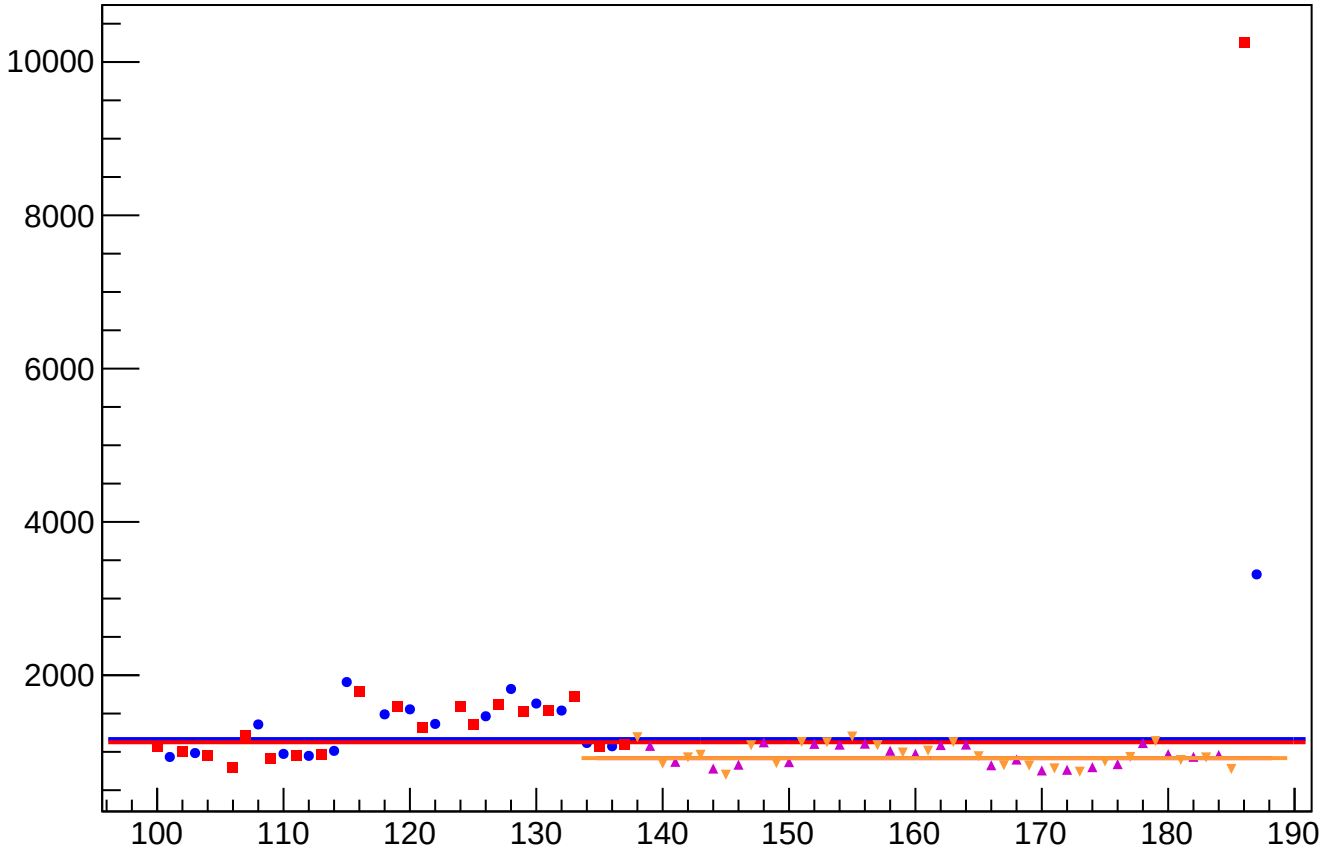
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -813.106+/-191.097 χ^2/NDF: 73.0/41

All: -566.792+/-135.882 χ^2/NDF: 122.4/84

- sign -314.889+/-193.253 χ^2/NDF: 46.0/42

asym_sam_48_dd_eigen_cor_correction_rms vs Slug



Right In: 1166.801+/-0.313 χ^2/NDF: 841704.6/16

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1125.379+/-0.300 χ^2/NDF: 1436331.6/19

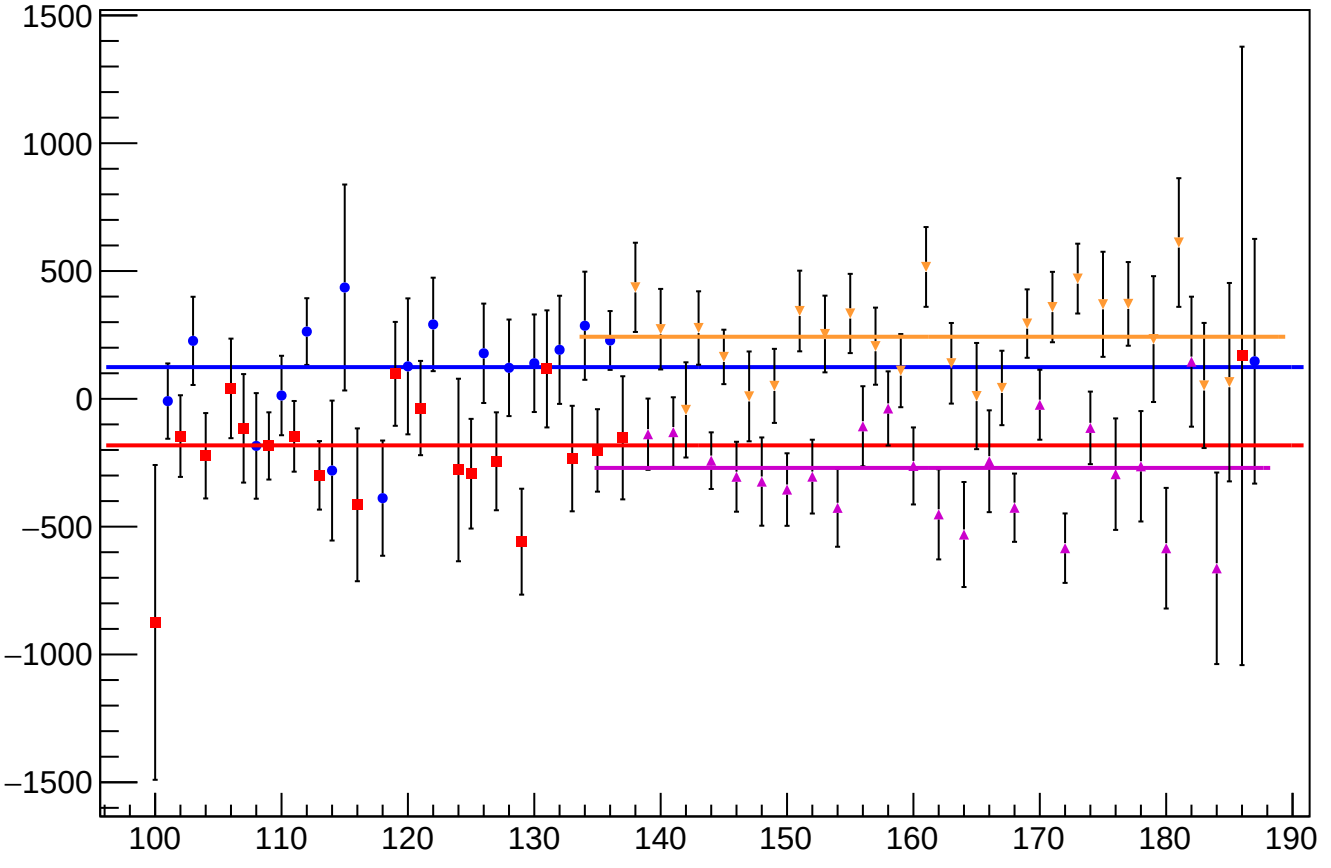
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 964.659+/-0.135 χ^2/NDF: 2240527.6/41

All: 963.011+/-0.096 χ^2/NDF: 4722179.1/84

- sign 961.326+/-0.137 χ^2/NDF: 2481350.7/42

dit_asym_sam_48_dd_mean vs Slug



Right In: 124.098+/-45.037 χ^2/NDF: 15.4/16

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -182.020+/-43.197 χ^2/NDF: 12.4/19

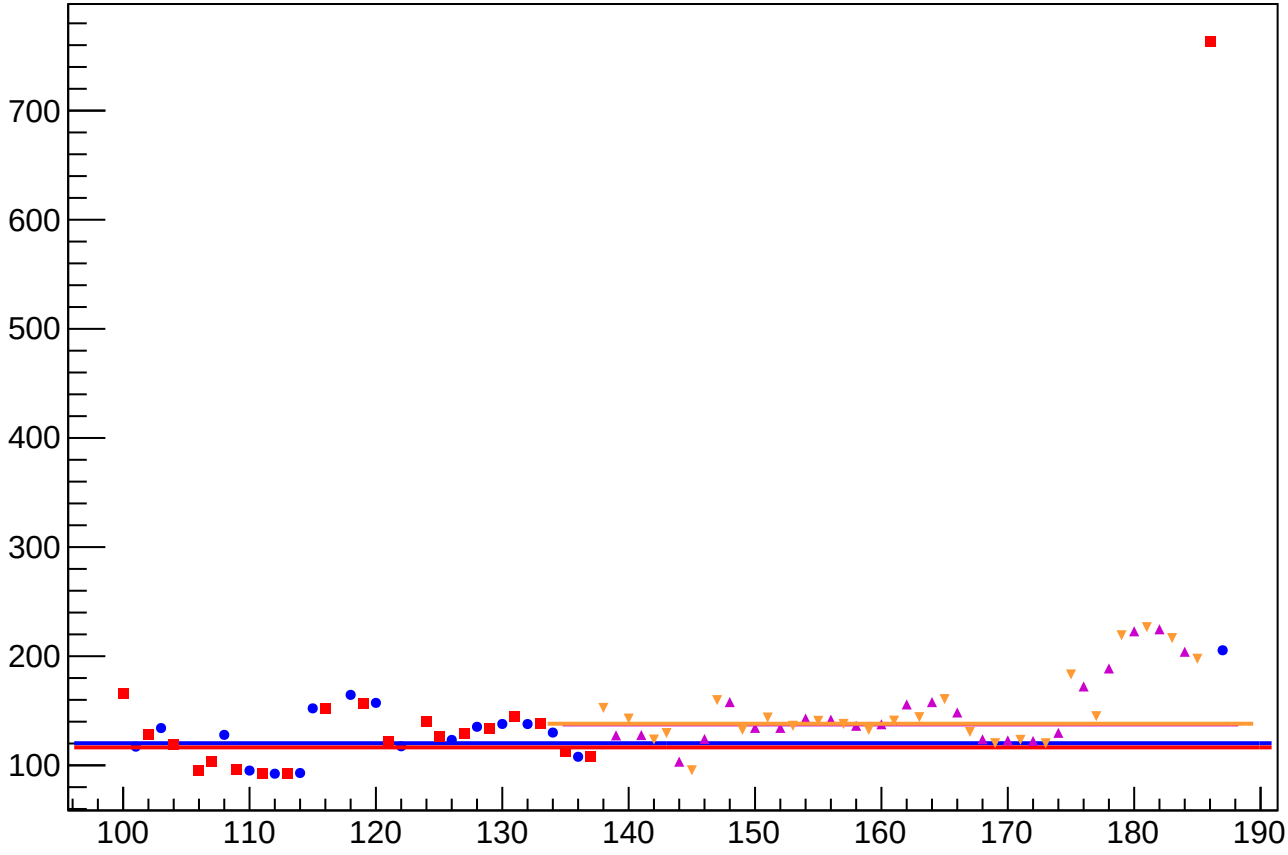
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 202.809+/-26.161 χ^2/NDF: 43.7/41

All: -17.451+/-18.502 χ^2/NDF: 227.3/84

- sign -237.863+/-26.170 χ^2/NDF: 41.7/42

dit_asym_sam_48_dd_rms vs Slug



Right In: 120.256+/-0.032 χ^2/NDF: 444170.4/16

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 116.448+/-0.031 χ^2/NDF: 999518.5/19

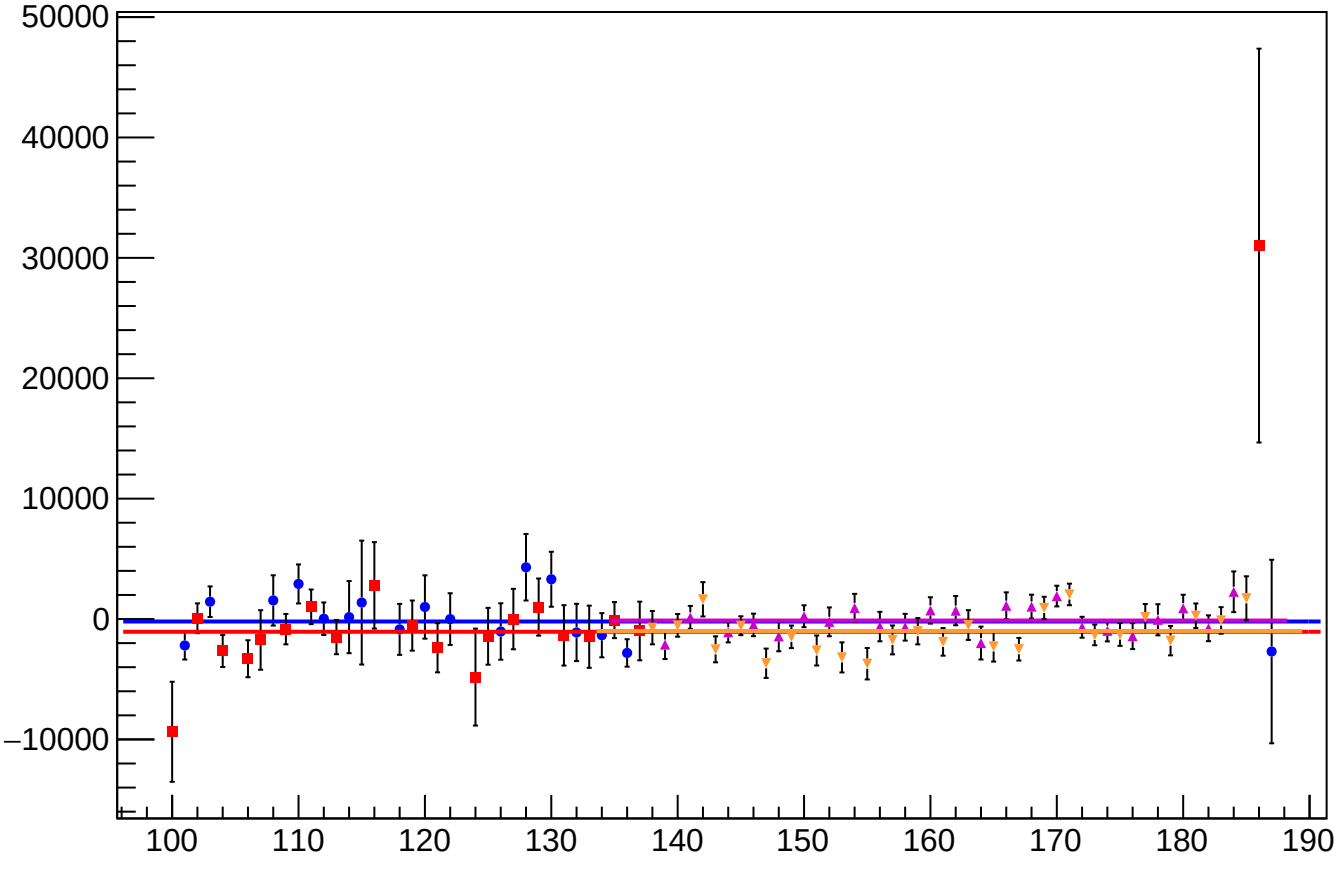
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 132.097+/-0.018 χ^2/NDF: 1991150.5/41

All: 130.933+/-0.013 χ^2/NDF: 4408368.1/84

- sign 129.768+/-0.019 χ^2/NDF: 2409290.8/42

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -203.681+/-446.565 χ^2/NDF: 20.5/16

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1057.638+/-425.806 χ^2/NDF: 18.4/19

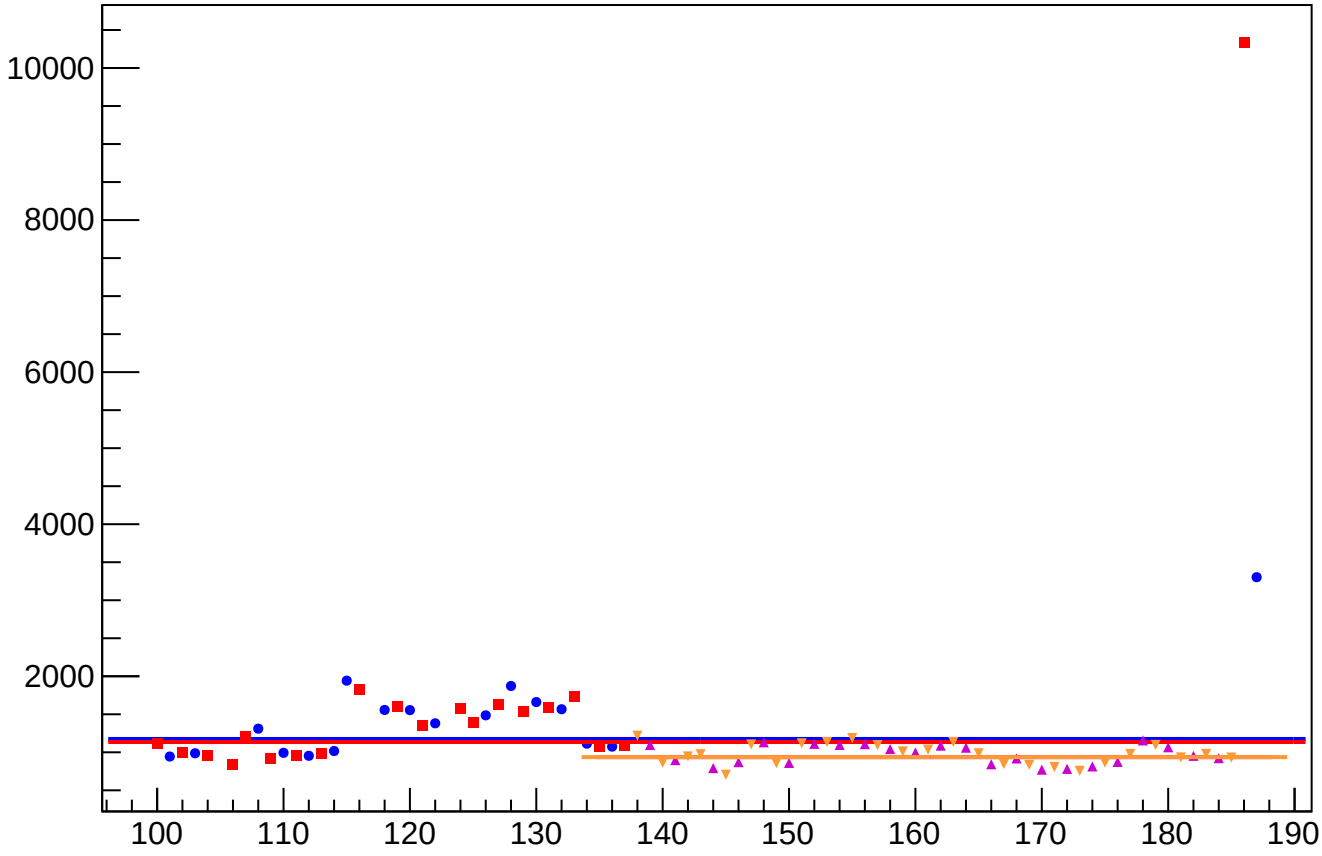
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -843.928+/-194.194 χ^2/NDF: 70.0/41

All: -586.579+/-138.093 χ^2/NDF: 119.6/84

- sign -323.322+/-196.410 χ^2/NDF: 46.1/42

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1175.389+/-0.316 χ^2/NDF: 865670.3/16

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1135.555+/-0.301 χ^2/NDF: 1440317.7/19

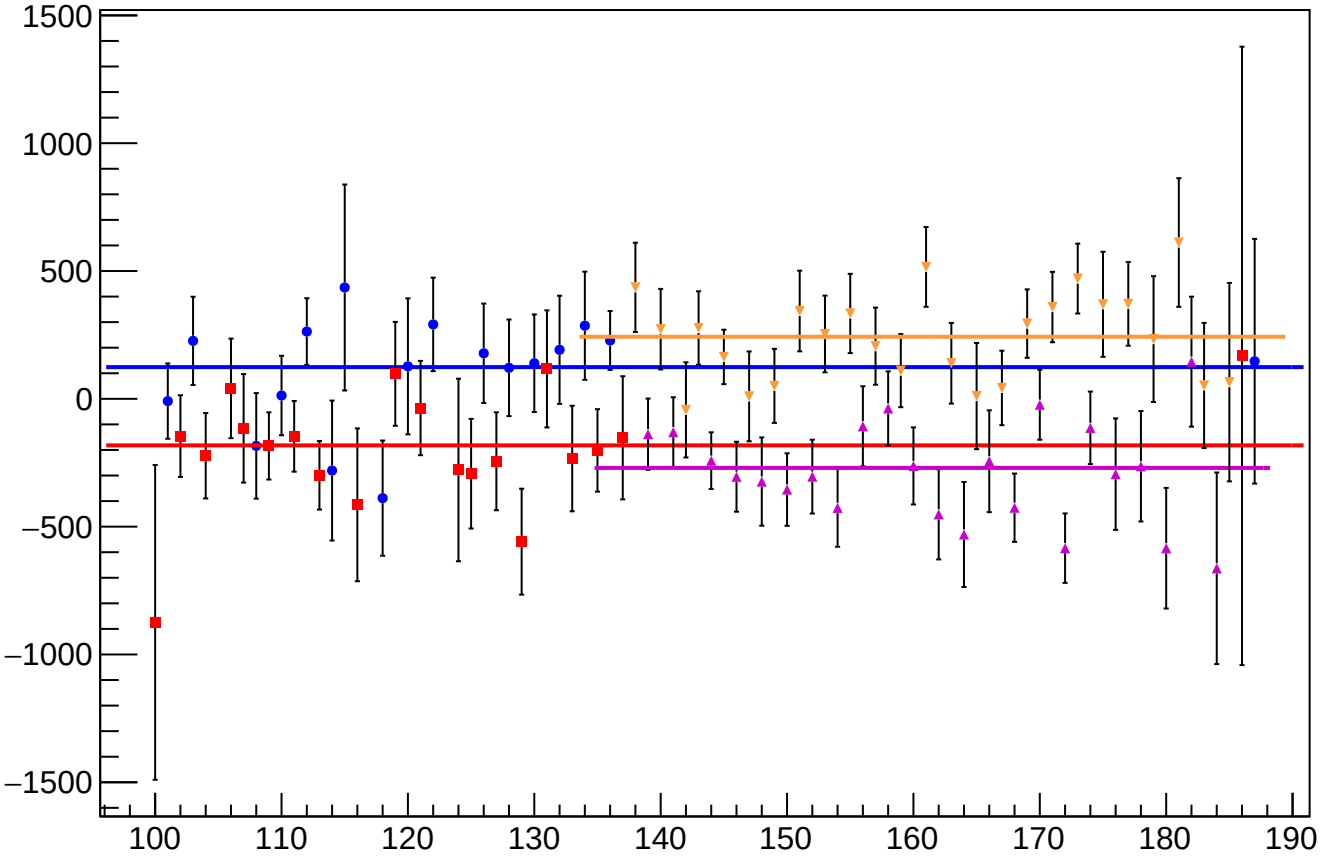
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 981.872+/-0.137 χ^2/NDF: 2161278.6/41

All: 980.333+/-0.098 χ^2/NDF: 4589092.1/84

- sign 978.758+/-0.139 χ^2/NDF: 2427559.2/42

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 124.100+/-45.037 χ^2/NDF: 15.4/16

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -182.021+/-43.197 χ^2/NDF: 12.4/19

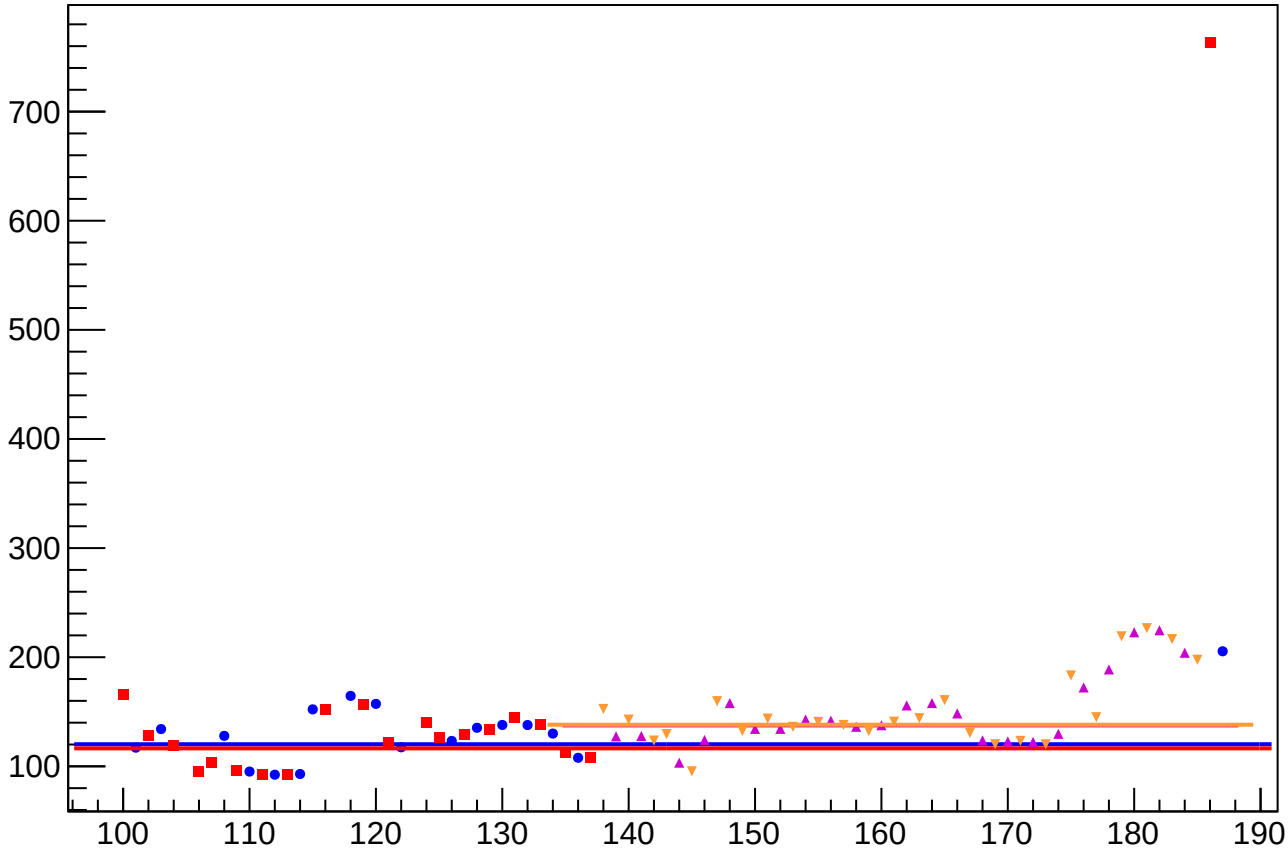
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 202.811+/-26.161 χ^2/NDF: 43.7/41

All: -17.451+/-18.502 χ^2/NDF: 227.3/84

- sign -237.864+/-26.170 χ^2/NDF: 41.7/42

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 120.256+/-0.032 χ^2/NDF: 444173.6/16

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

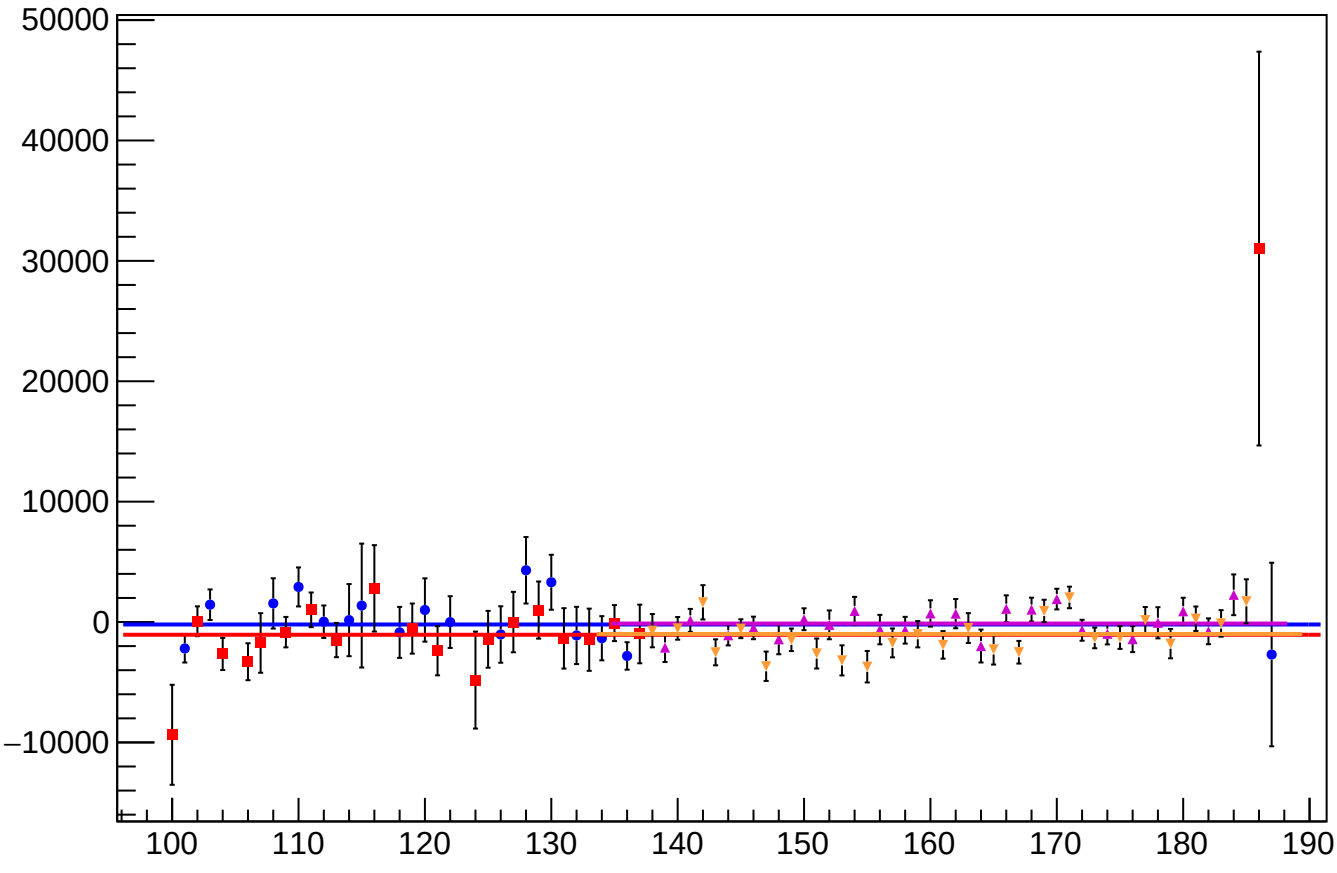
Right Out: 116.448+/-0.031 χ^2/NDF: 999521.6/19

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 132.097+/-0.018 χ^2/NDF: 1991156.3/41

All: 130.933+/-0.013 χ^2/NDF: 4408364.5/84

- sign 129.768+/-0.019 χ^2/NDF: 2409281.1/42



Right In: -203.680+/-446.565 χ^2/NDF: 20.5/16

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1057.638+/-425.806 χ^2/NDF: 18.4/19

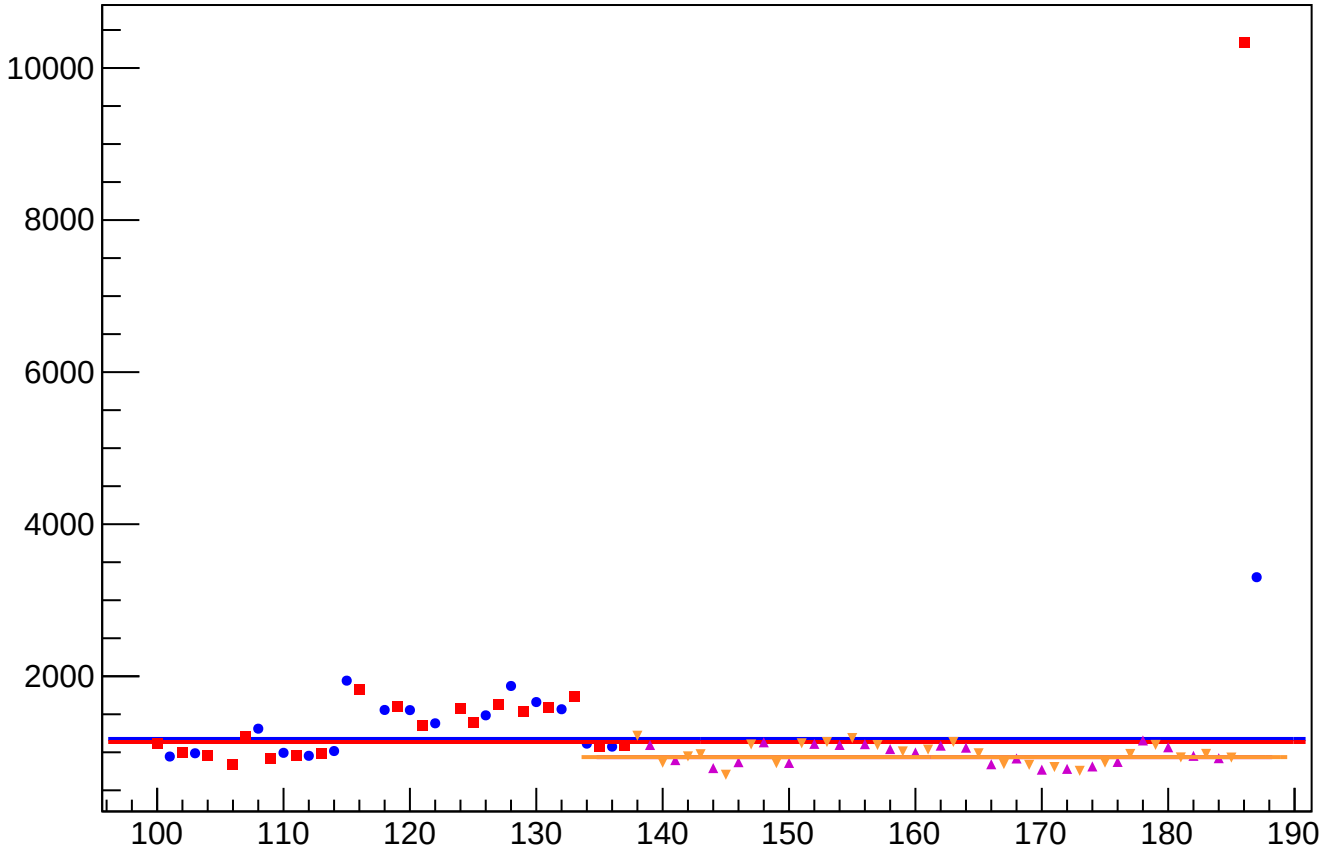
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -843.927+/-194.194 χ^2/NDF: 70.0/41

All: -586.577+/-138.093 χ^2/NDF: 119.6/84

- sign -323.321+/-196.410 χ^2/NDF: 46.1/42

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1175.389+/-0.316 χ^2/NDF: 865671.8/16

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1135.555+/-0.301 χ^2/NDF: 1440318.7/19

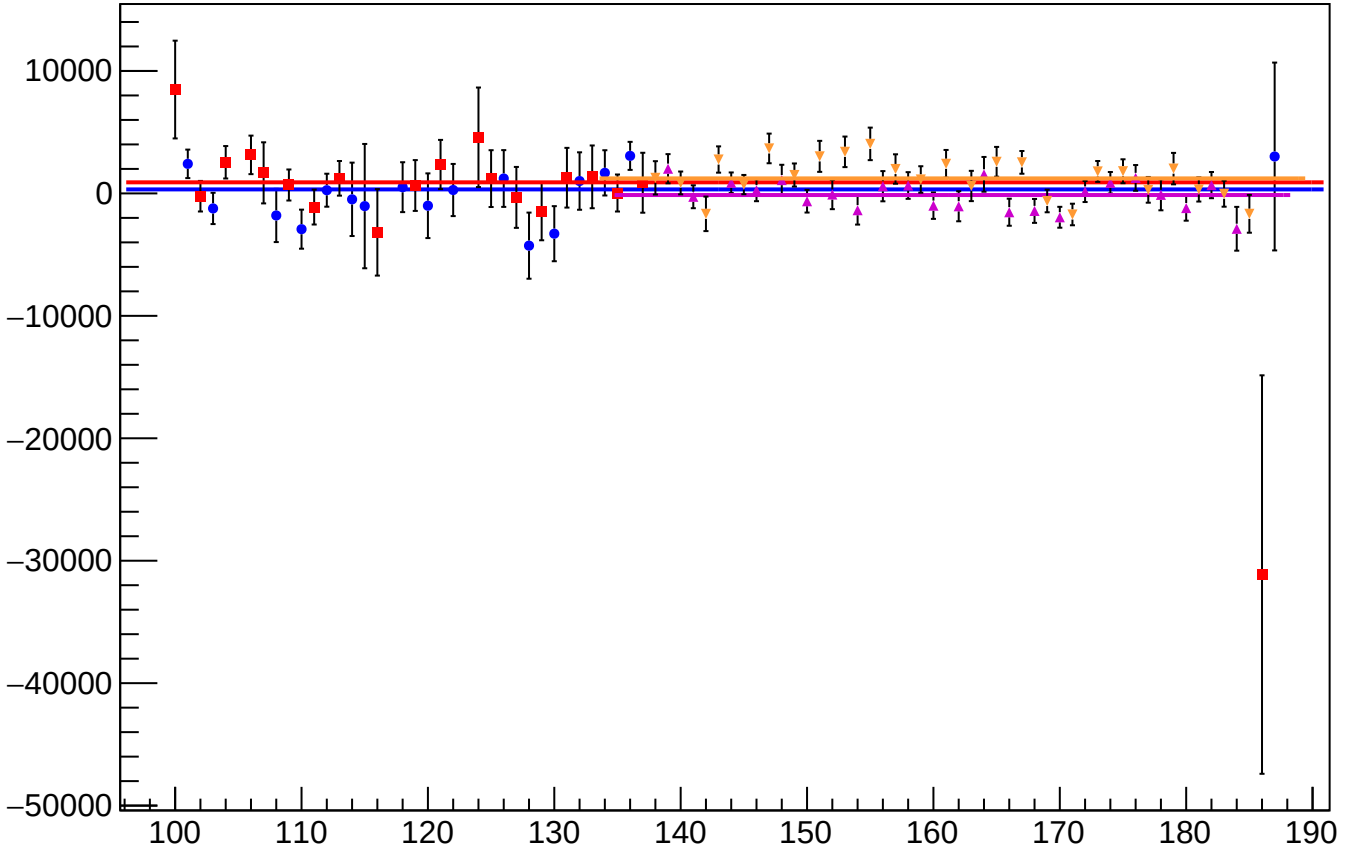
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 981.871+/-0.137 χ^2/NDF: 2161287.1/41

All: 980.332+/-0.098 χ^2/NDF: 4589102.8/84

- sign 978.757+/-0.139 χ^2/NDF: 2427561.5/42

asym_sam_48_dd_mean vs Slug



Right In: 326.464+/-445.587 χ^2/NDF: 22.3/16

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 904.142+/-425.259 χ^2/NDF: 18.4/19

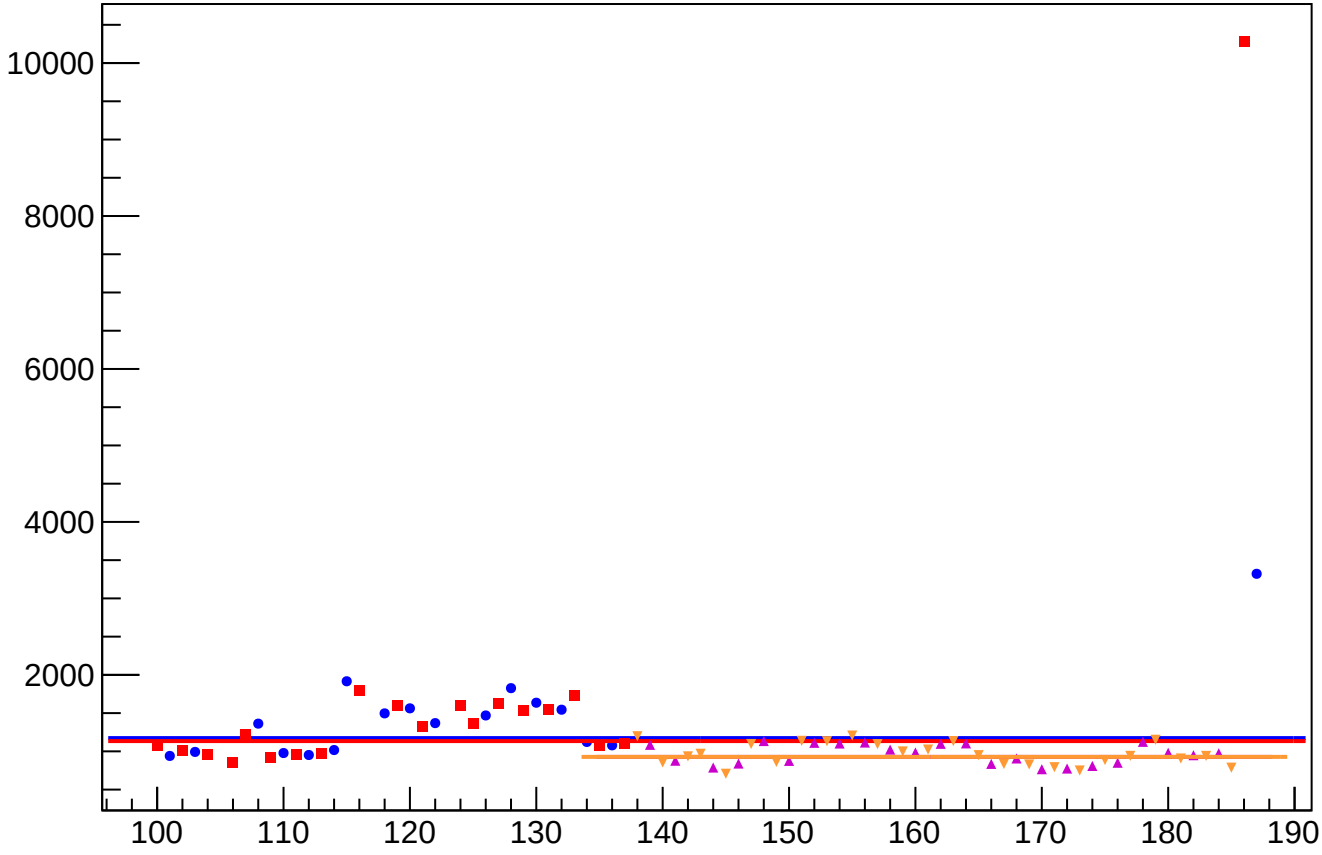
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1057.216+/-192.791 χ^2/NDF: 74.1/41

All: 576.366+/-137.061 χ^2/NDF: 135.6/84

- sign 84.967+/-194.894 χ^2/NDF: 49.0/42

asym_sam_48_dd_rms vs Slug



Right In: 1173.331+/-0.315 χ^2/NDF: 834479.7/16

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

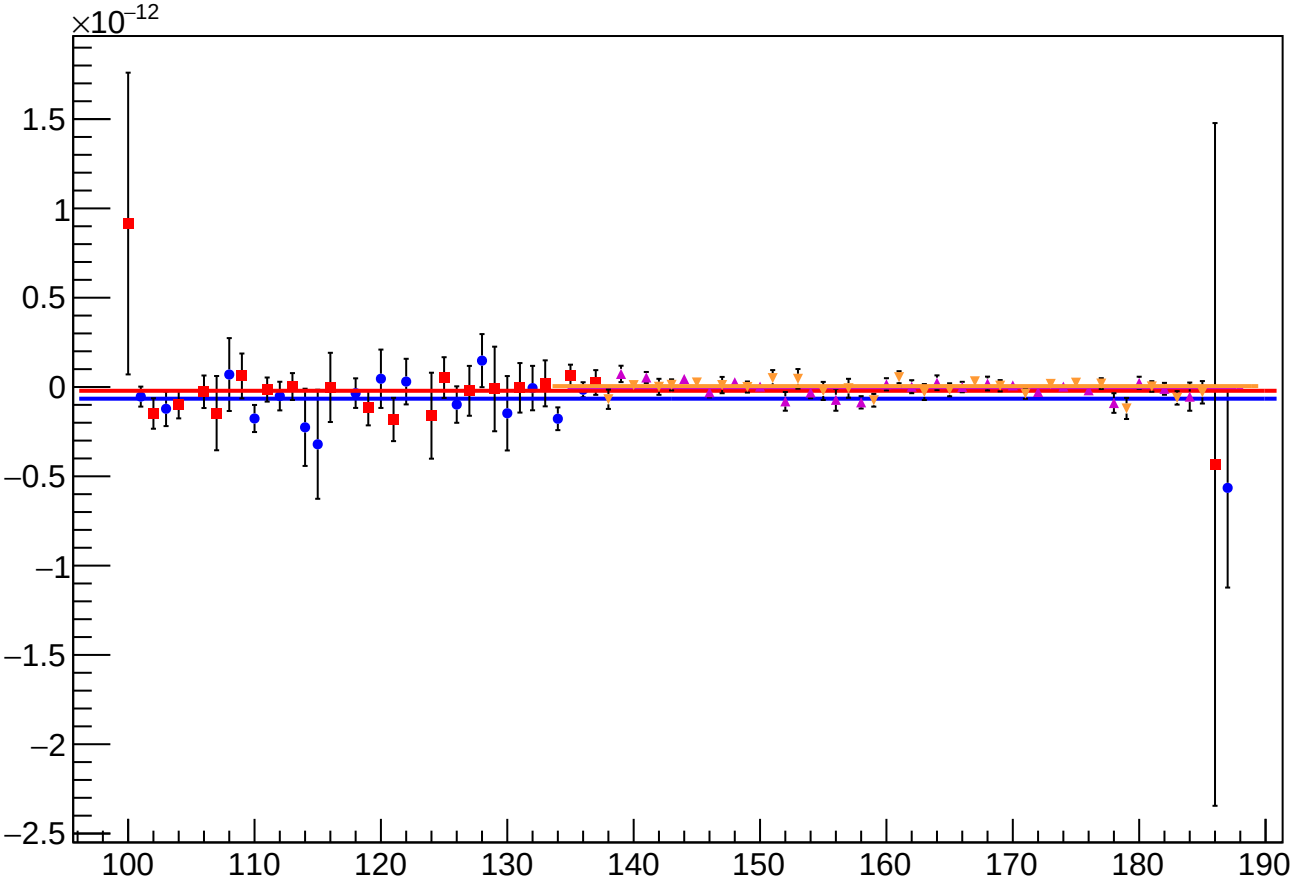
Right Out: 1134.258+/-0.301 χ^2/NDF: 1408146.1/19

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 973.609+/-0.136 χ^2/NDF: 2203955.7/41

All: 972.212+/-0.097 χ^2/NDF: 4642970.2/84

- sign 970.785+/-0.138 χ^2/NDF: 2438802.3/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

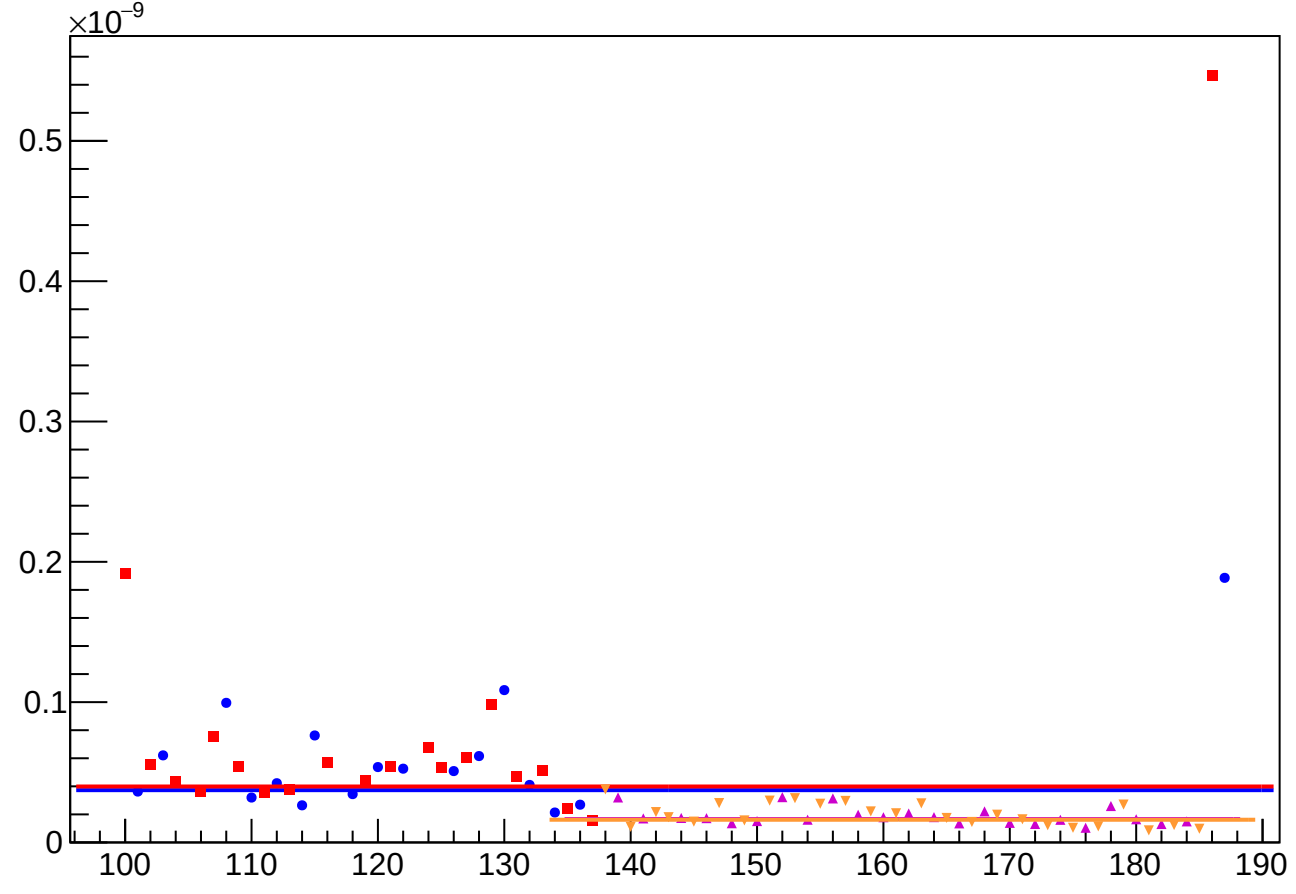
Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/19

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.3/41

All: -0.000+/-0.000 χ^2/NDF: 88.3/84

- sign -0.000+/-0.000 χ^2/NDF: 39.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 1142615.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1044230.8/19

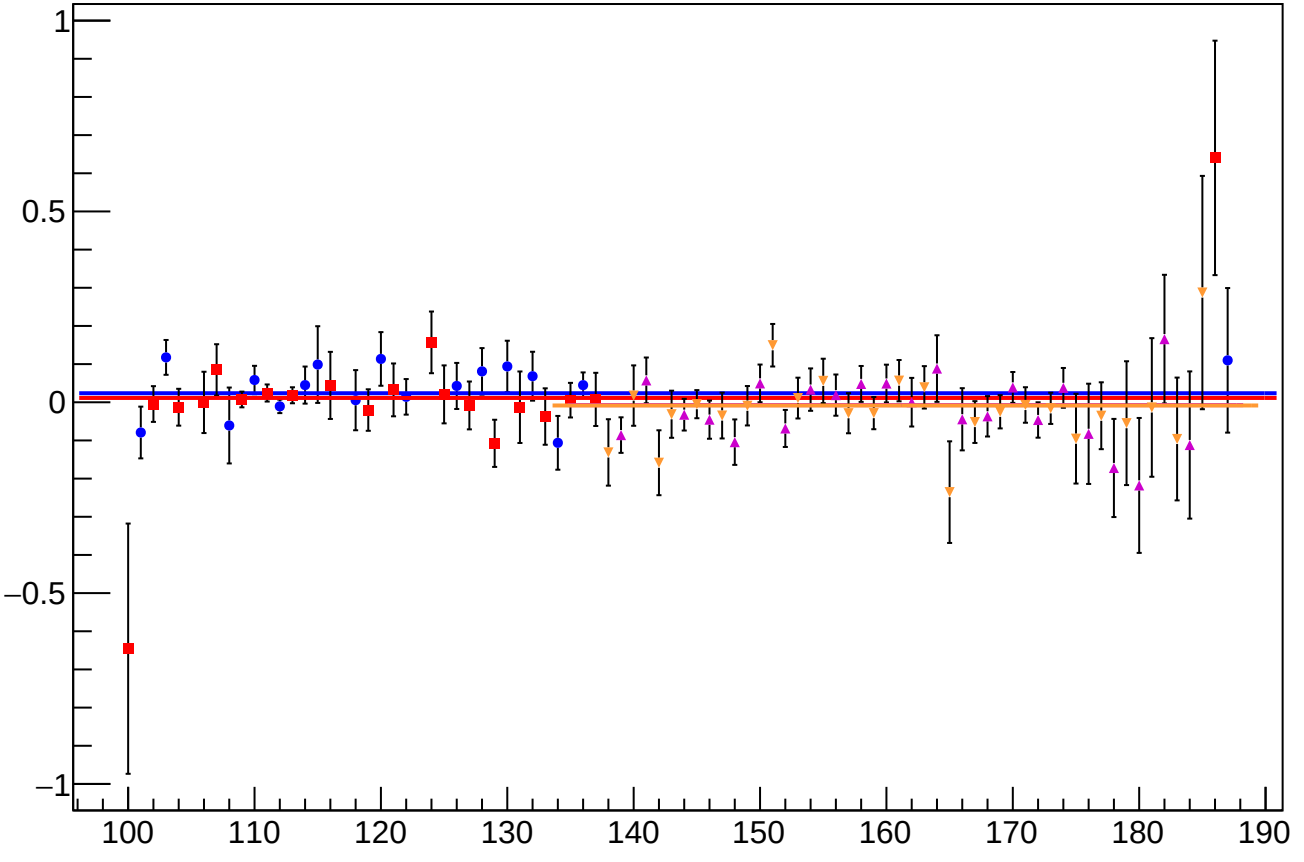
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 4870307.1/41

All: 0.000+/-0.000 χ^2/NDF: 8709799.9/84

- sign 0.000+/-0.000 χ^2/NDF: 3828794.1/42

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.011+/-0.010 χ^2/NDF: 18.4/19

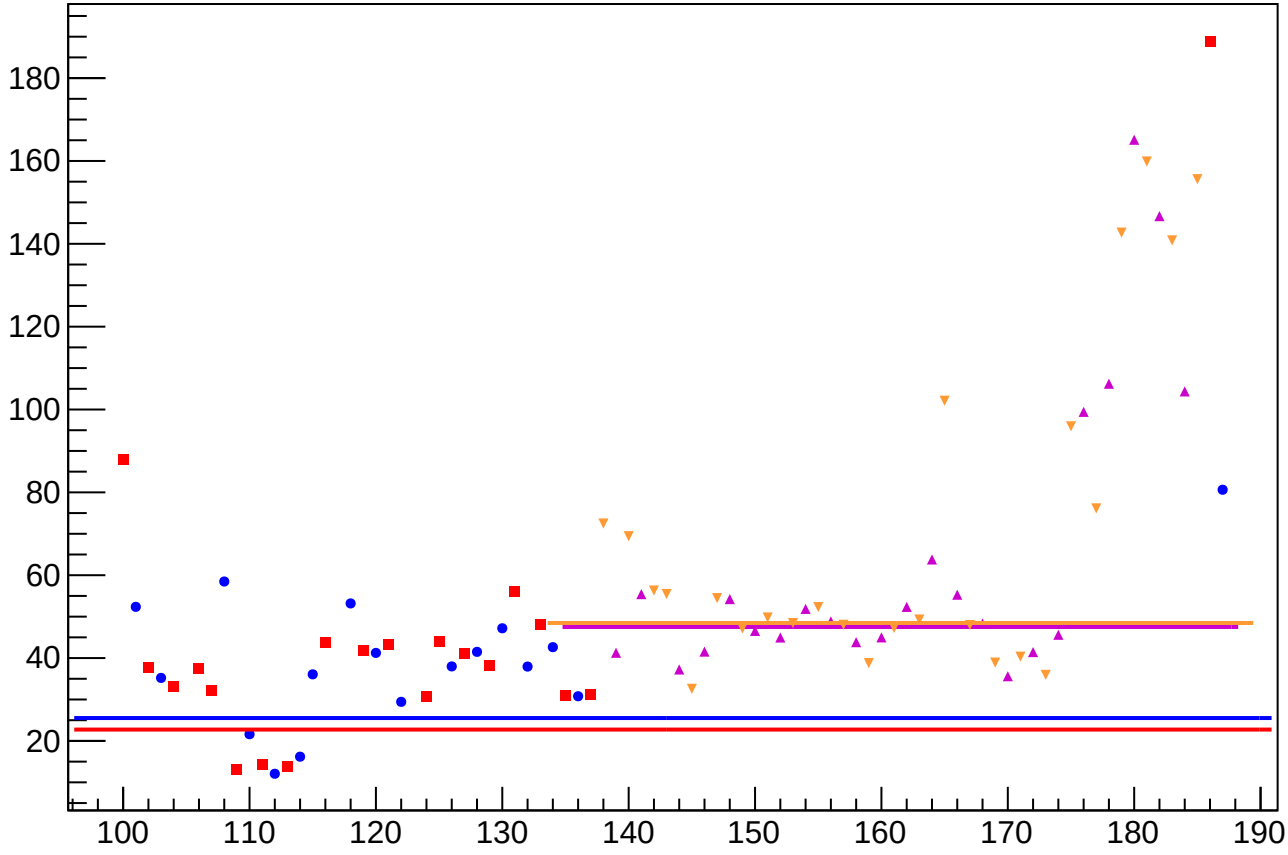
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.0/41

All: 0.006+/-0.006 χ^2/NDF: 91.3/84

- sign 0.004+/-0.008 χ^2/NDF: 43.1/42

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 25.522+/-0.008 χ^2/NDF: 3095031.6/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 22.741+/-0.007 χ^2/NDF: 3725307.4/19

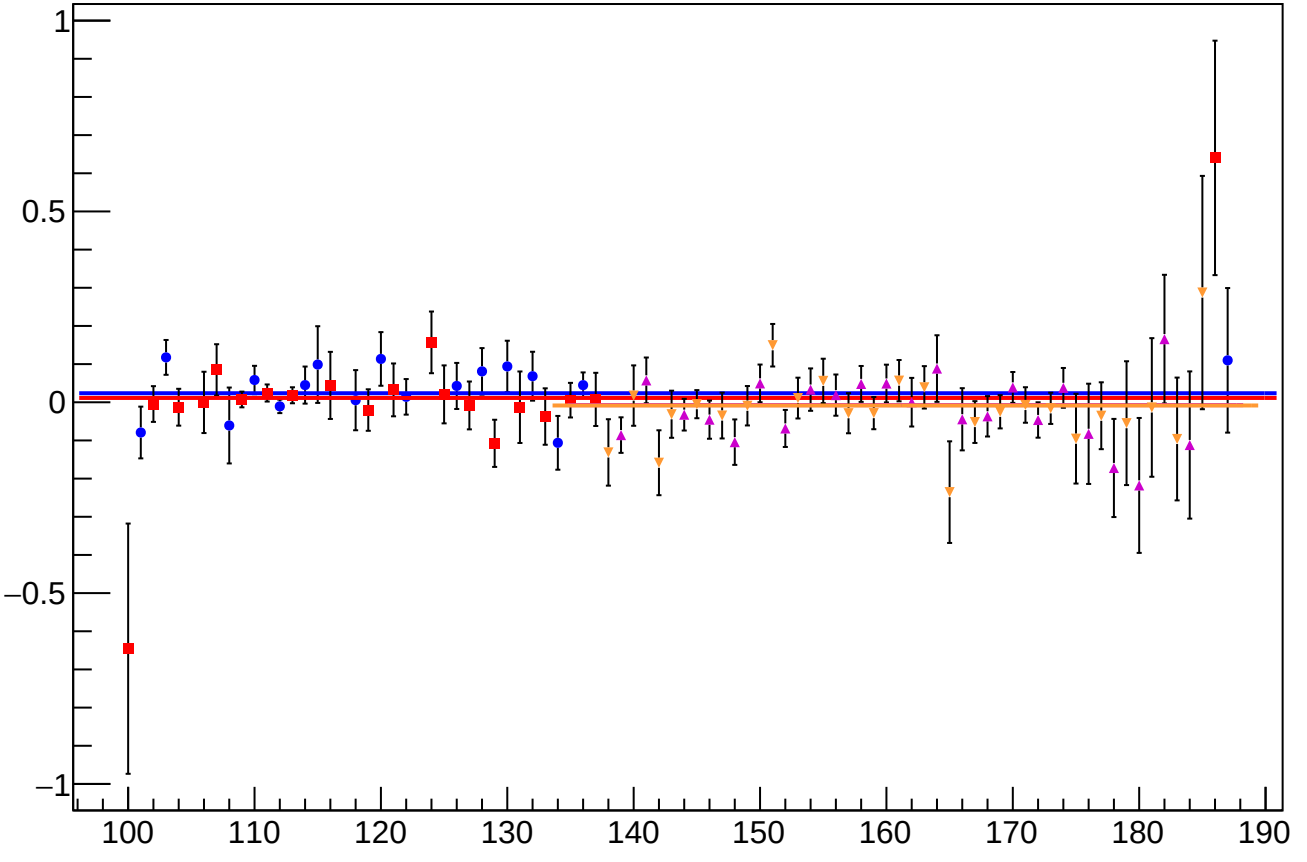
Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.045+/-0.006 χ^2/NDF: 11424653.0/41

All: 34.213+/-0.004 χ^2/NDF: 23510051.1/84

- sign 32.614+/-0.005 χ^2/NDF: 11895182.4/42

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

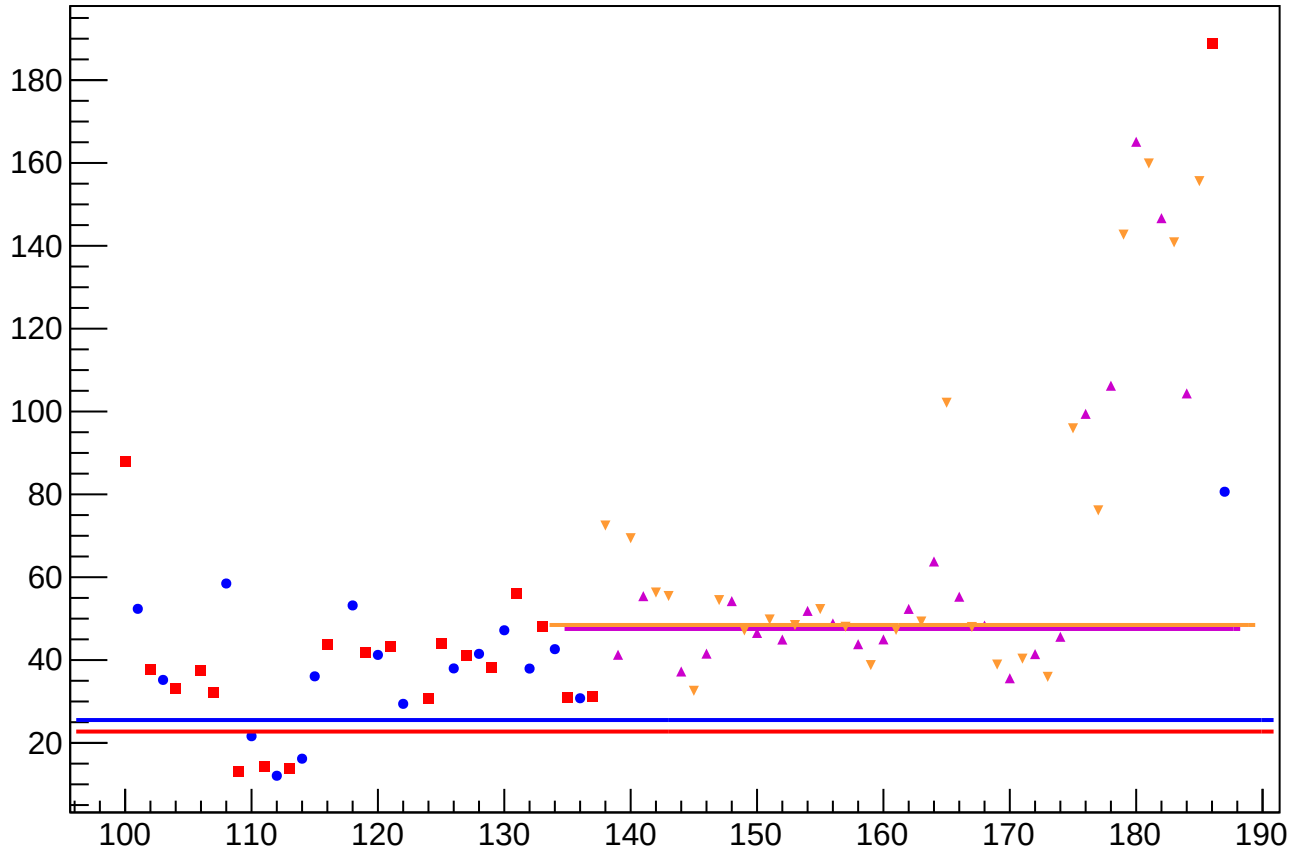
Right Out: 0.011+/-0.010 χ^2/NDF: 18.4/19

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.0/41

All: 0.006+/-0.006 χ^2/NDF: 91.3/84

- sign 0.004+/-0.008 χ^2/NDF: 43.1/42



Right In: 25.522+/-0.008 χ^2/NDF: 3095031.6/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

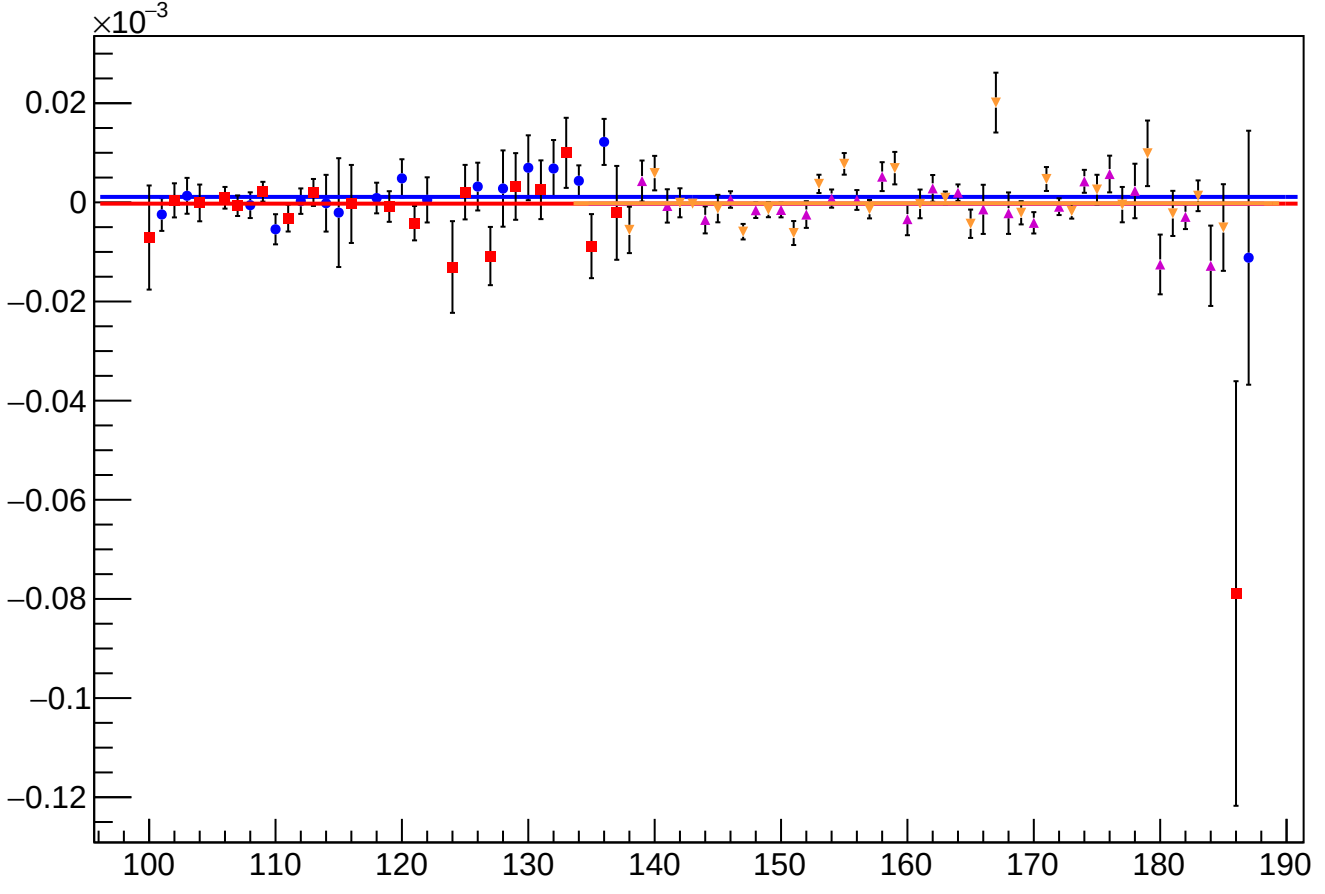
Right Out: 22.741+/-0.007 χ^2/NDF: 3725307.4/19

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 36.045+/-0.006 χ^2/NDF: 11424653.0/41

All: 34.213+/-0.004 χ^2/NDF: 23510051.1/84

- sign 32.614+/-0.005 χ^2/NDF: 11895182.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

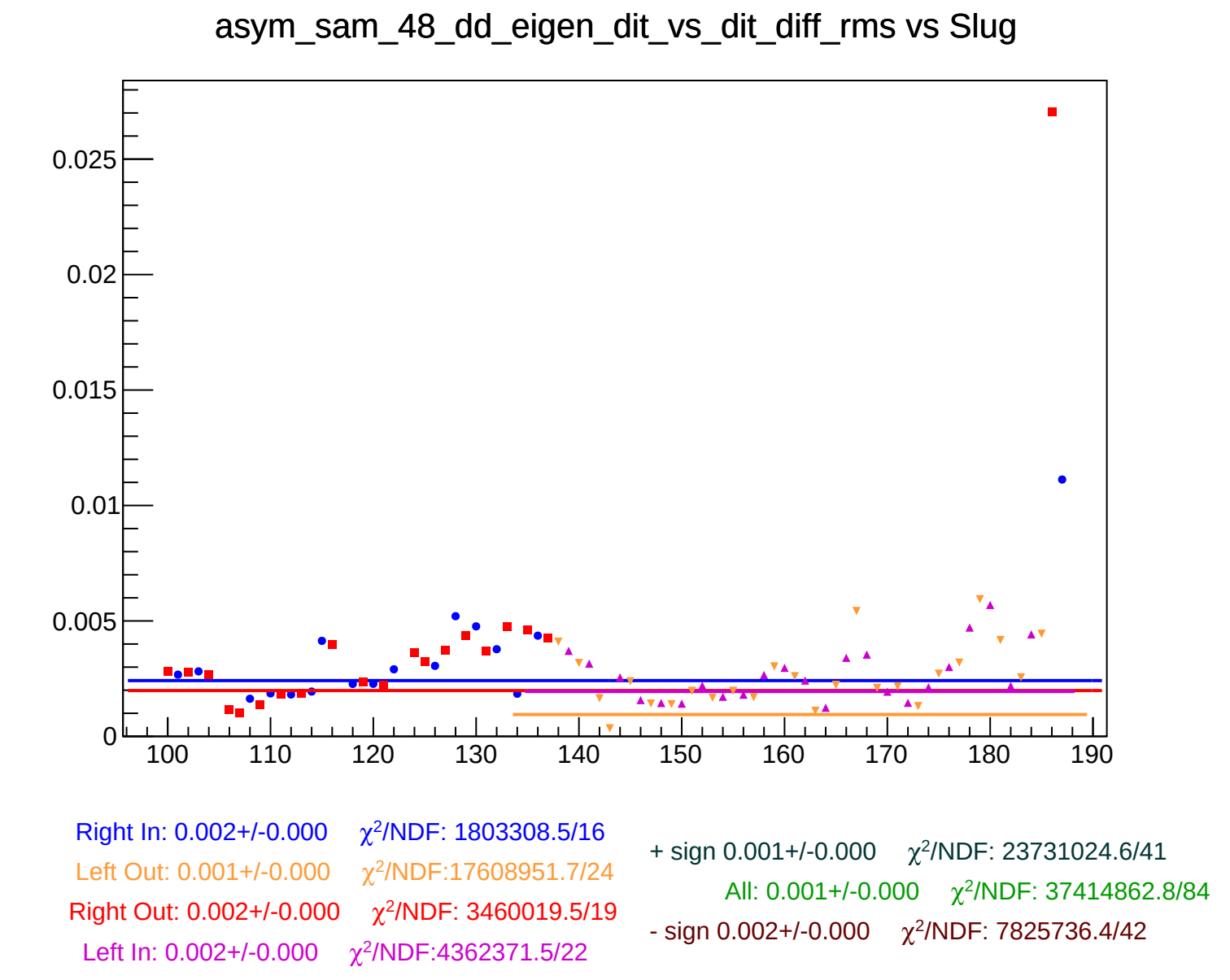
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/19

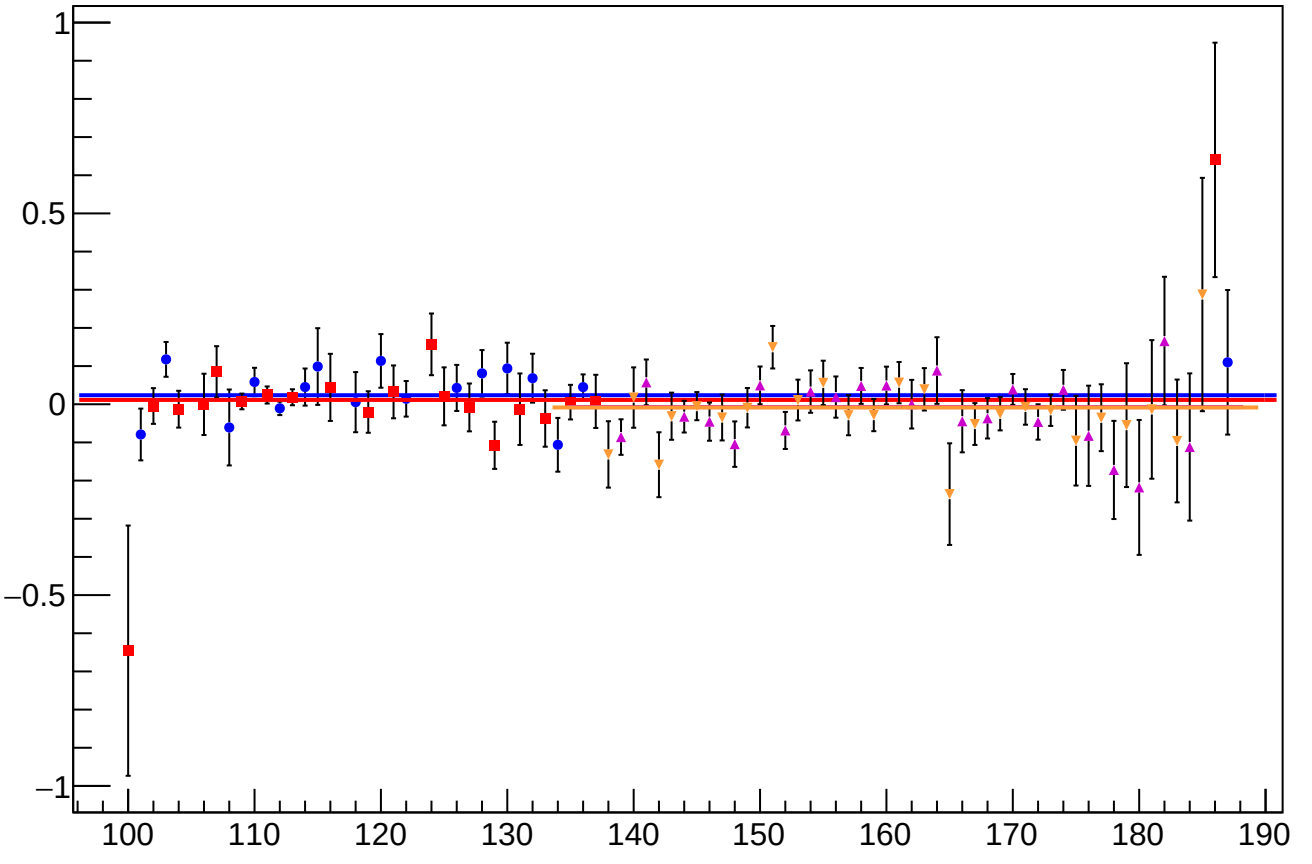
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.8/41

All: -0.000+/-0.000 χ^2/NDF: 139.3/84

- sign -0.000+/-0.000 χ^2/NDF: 49.4/42


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 1803308.5/16
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 3460019.5/19
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
+ sign 0.001+/-0.000 χ²/NDF: 23731024.6/41
All: 0.001+/-0.000 χ²/NDF: 37414862.8/84
- sign 0.002+/-0.000 χ²/NDF: 7825736.4/42



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.011+/-0.010 χ^2/NDF: 18.4/19

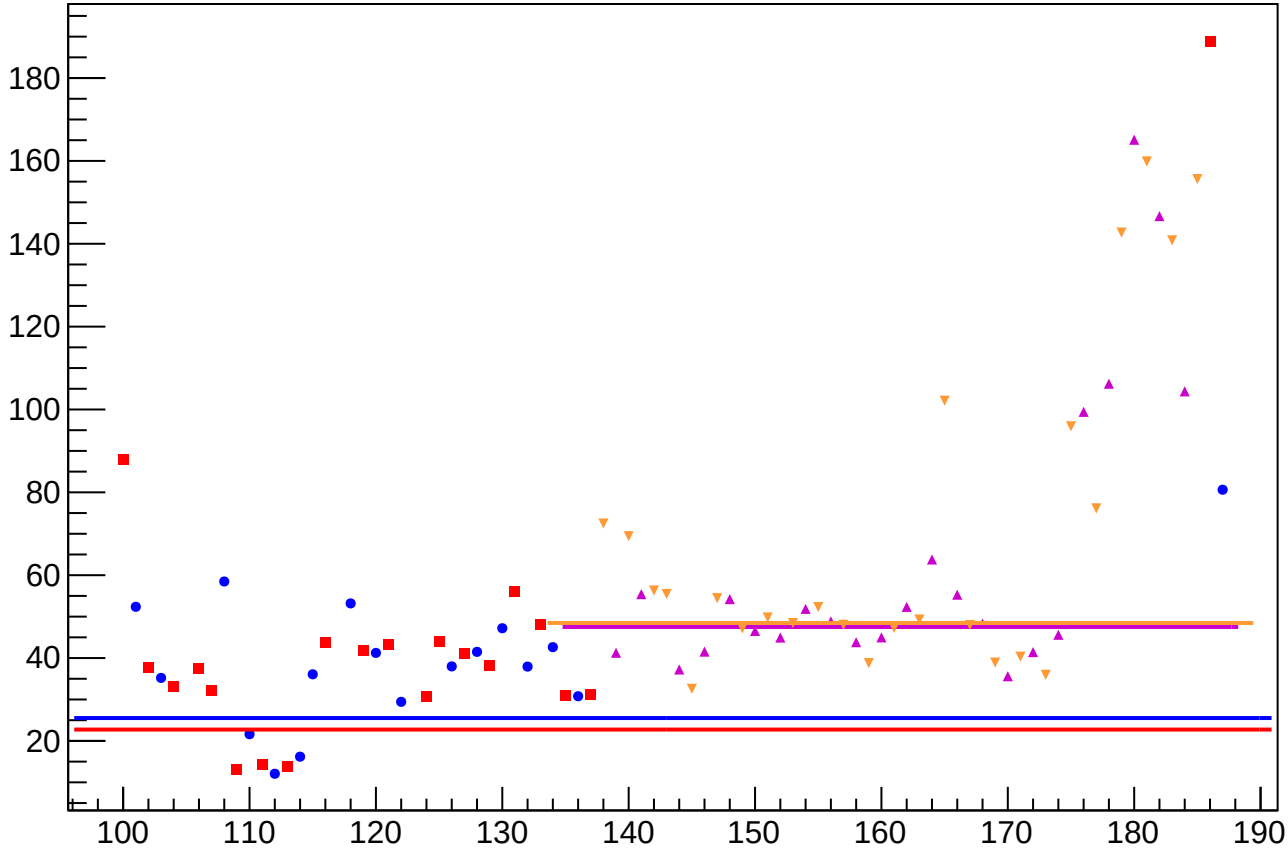
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.0/41

All: 0.006+/-0.006 χ^2/NDF: 91.3/84

- sign 0.004+/-0.008 χ^2/NDF: 43.1/42

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.521+/-0.008 χ^2/NDF: 3095455.3/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

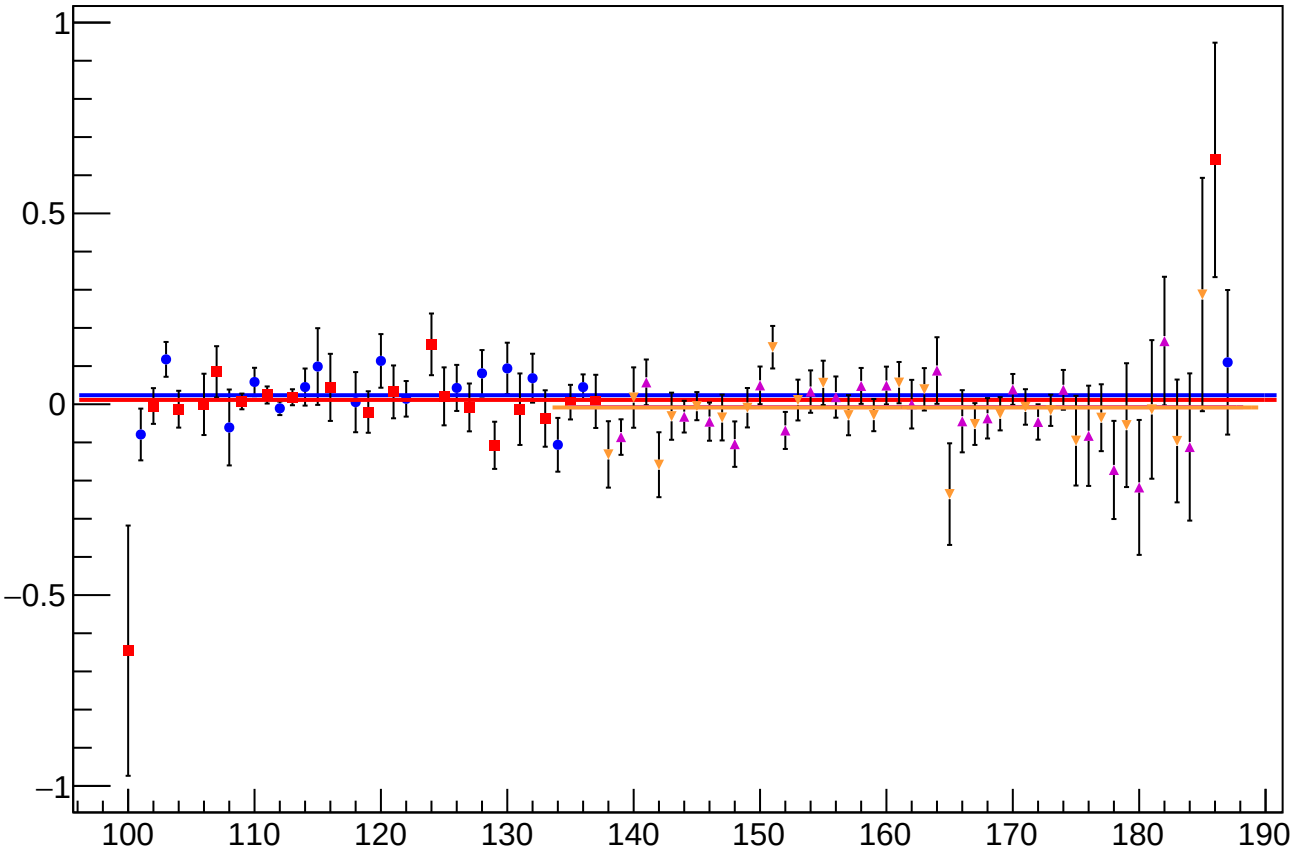
Right Out: 22.740+/-0.007 χ^2/NDF: 3725441.3/19

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.044+/-0.006 χ^2/NDF: 11425679.6/41

All: 34.213+/-0.004 χ^2/NDF: 23511322.0/84

- sign 32.613+/-0.005 χ^2/NDF: 11895508.2/42



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

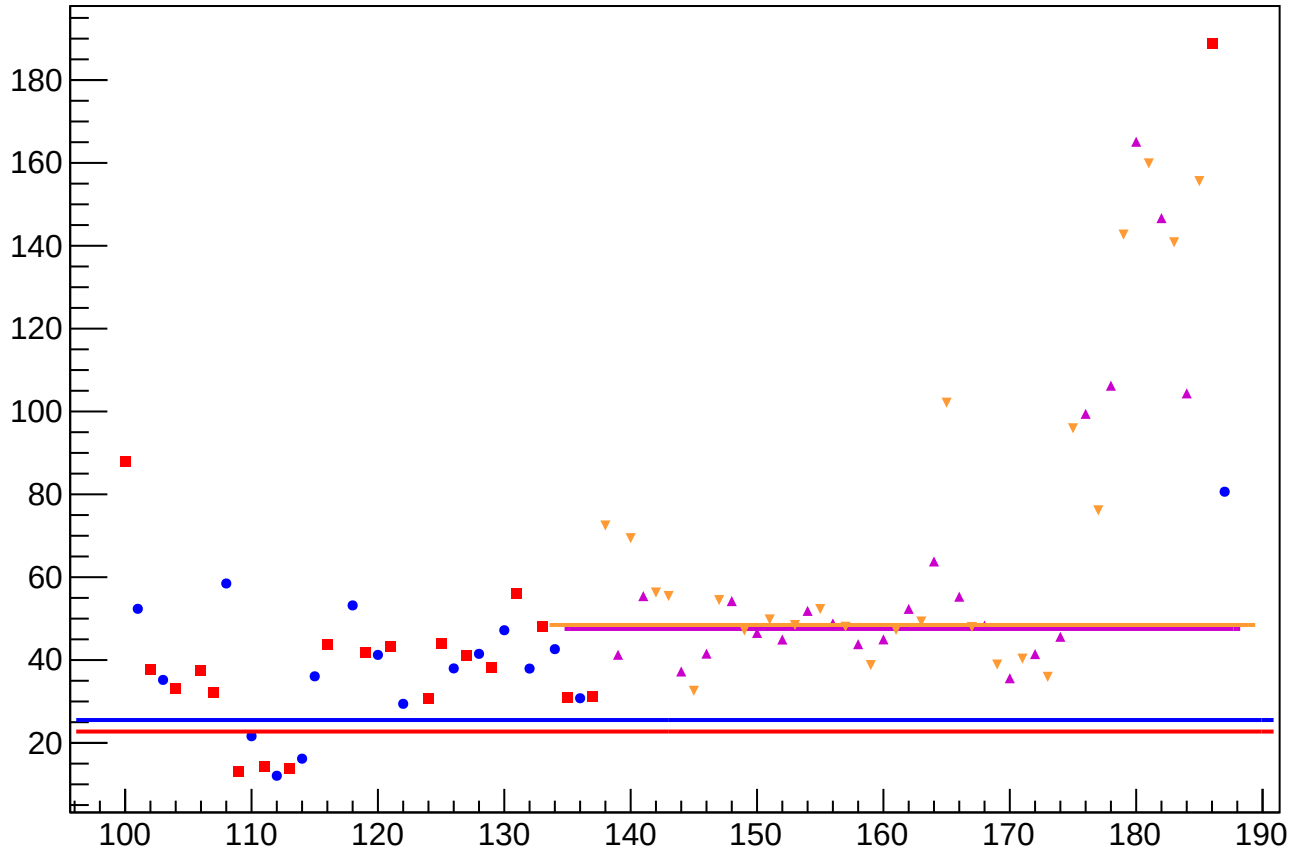
Right Out: 0.011+/-0.010 χ^2/NDF: 18.4/19

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.009+/-0.008 χ^2/NDF: 48.0/41

All: 0.006+/-0.006 χ^2/NDF: 91.3/84

- sign 0.004+/-0.008 χ^2/NDF: 43.1/42



Right In: 25.521+/-0.008 χ^2/NDF: 3095455.3/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

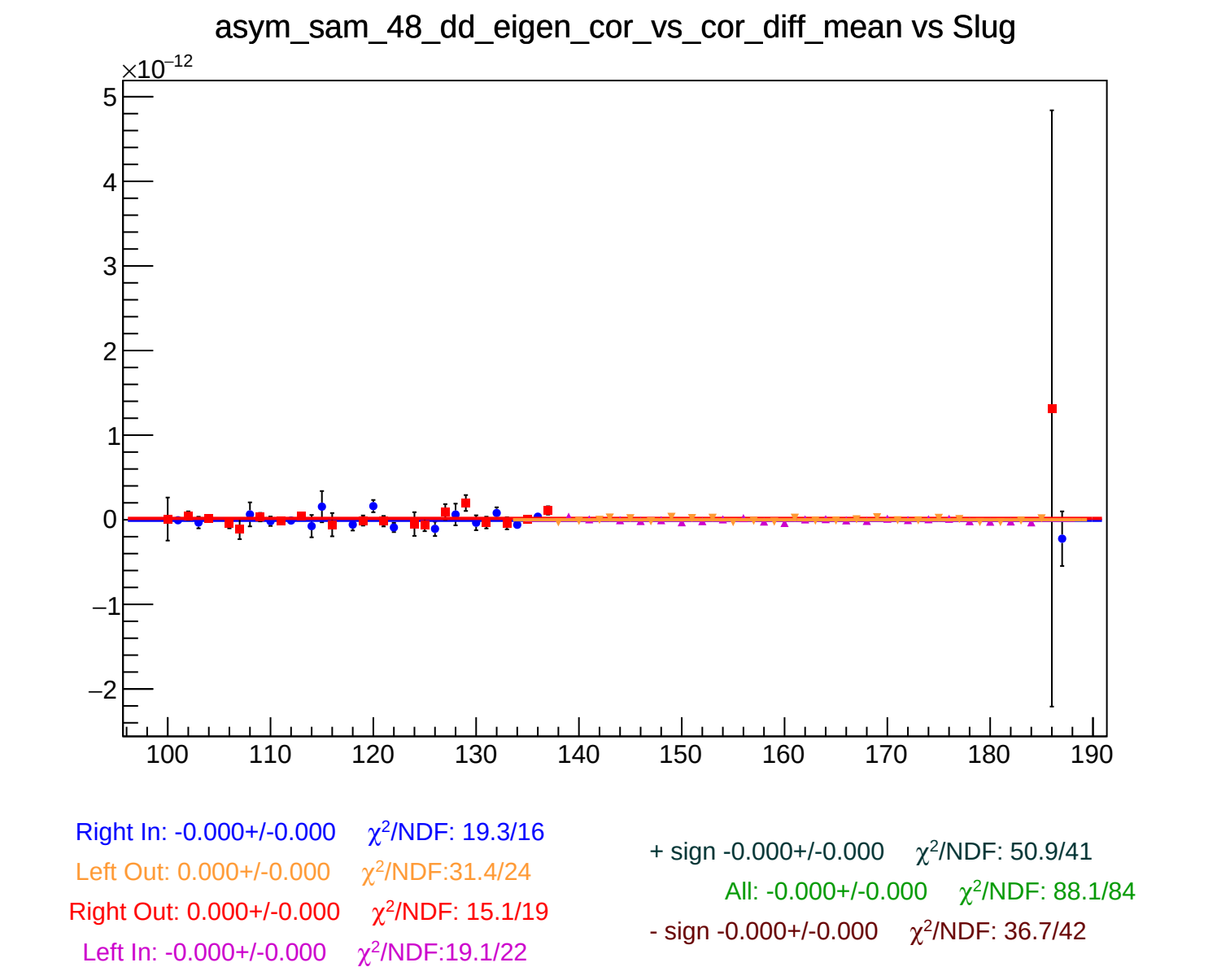
Right Out: 22.740+/-0.007 χ^2/NDF: 3725441.3/19

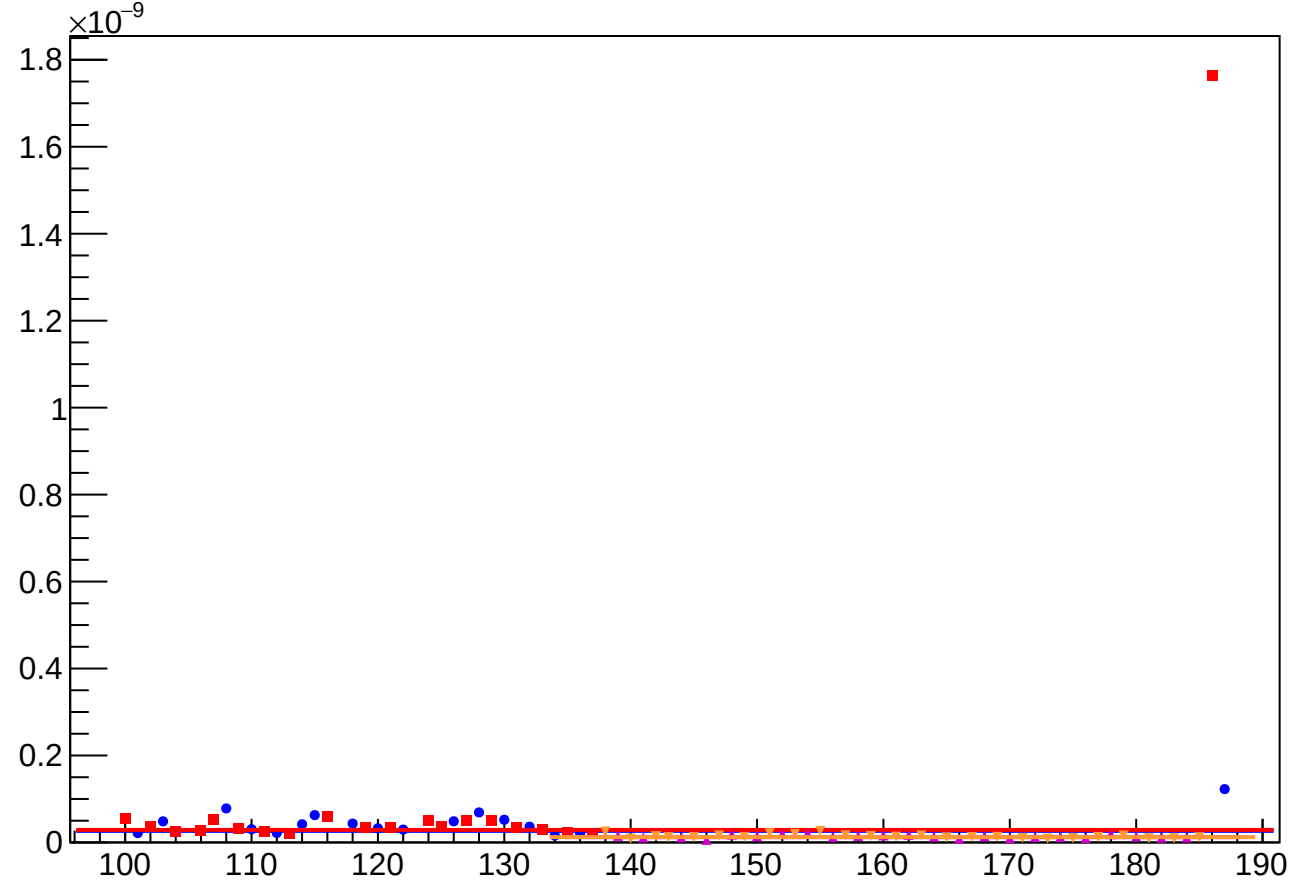
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 36.044+/-0.006 χ^2/NDF: 11425679.6/41

All: 34.213+/-0.004 χ^2/NDF: 23511322.0/84

- sign 32.613+/-0.005 χ^2/NDF: 11895508.2/42


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 19.3/16
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/19
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign -0.000+/-0.000 χ²/NDF: 50.9/41
All: -0.000+/-0.000 χ²/NDF: 88.1/84
- sign -0.000+/-0.000 χ²/NDF: 36.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 1870913.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1395813.1/19

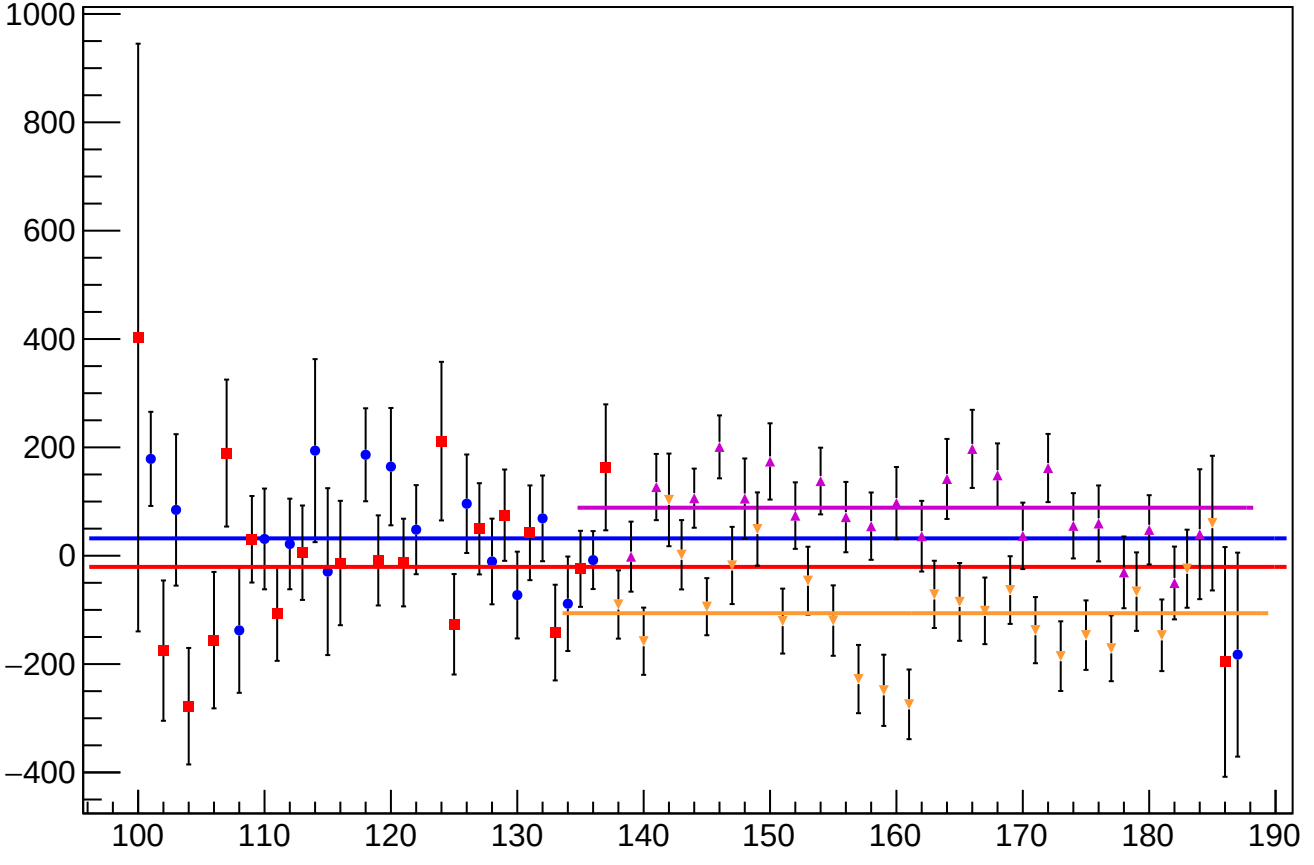
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 6182313.5/41

All: 0.000+/-0.000 χ^2/NDF: 12412749.5/84

- sign 0.000+/-0.000 χ^2/NDF: 6229963.7/42

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 32.052+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -20.602+/-22.017 χ^2/NDF: 24.2/19

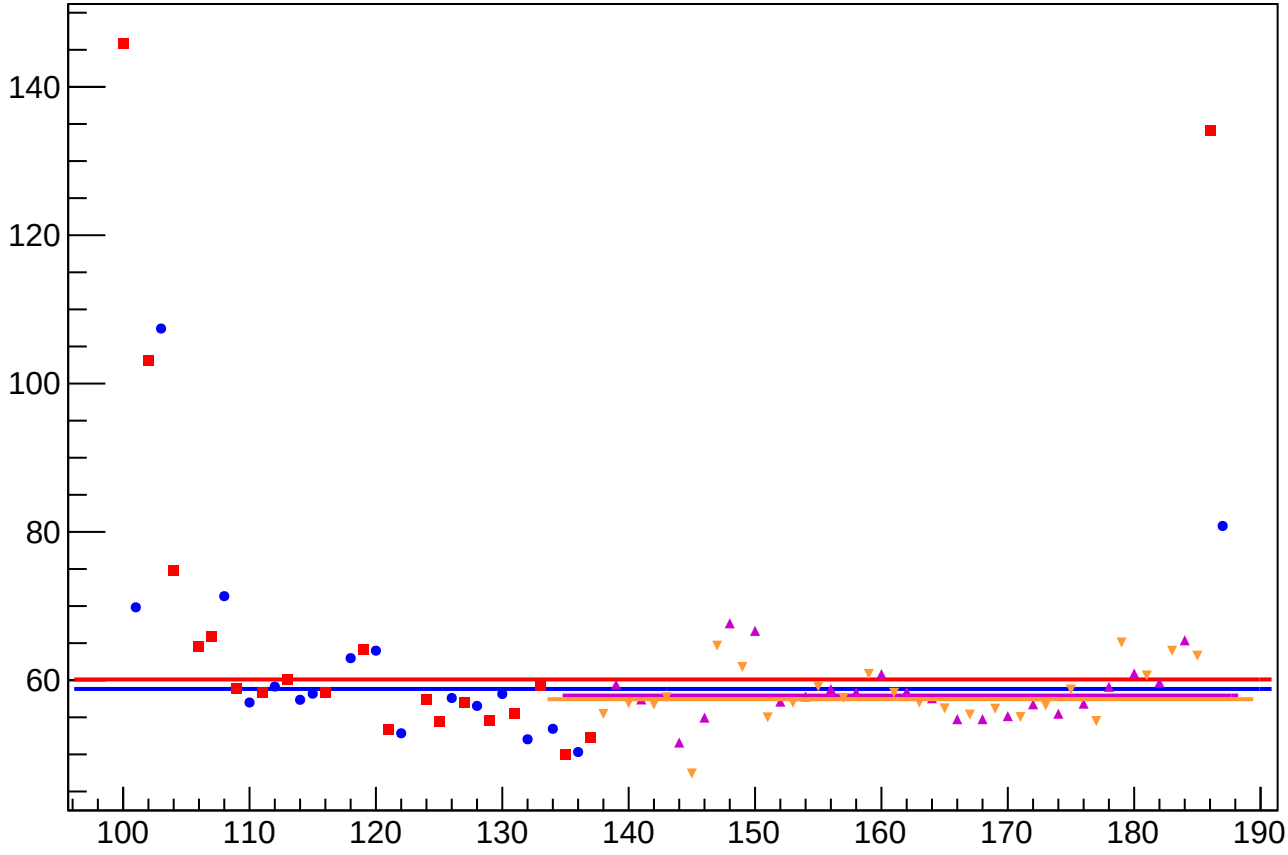
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -69.941+/-11.246 χ^2/NDF: 87.3/41

All: -7.398+/-8.058 χ^2/NDF: 216.8/84

- sign 58.564+/-11.550 χ^2/NDF: 65.9/42

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 58.825+/-0.016 χ^2/NDF: 420379.0/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

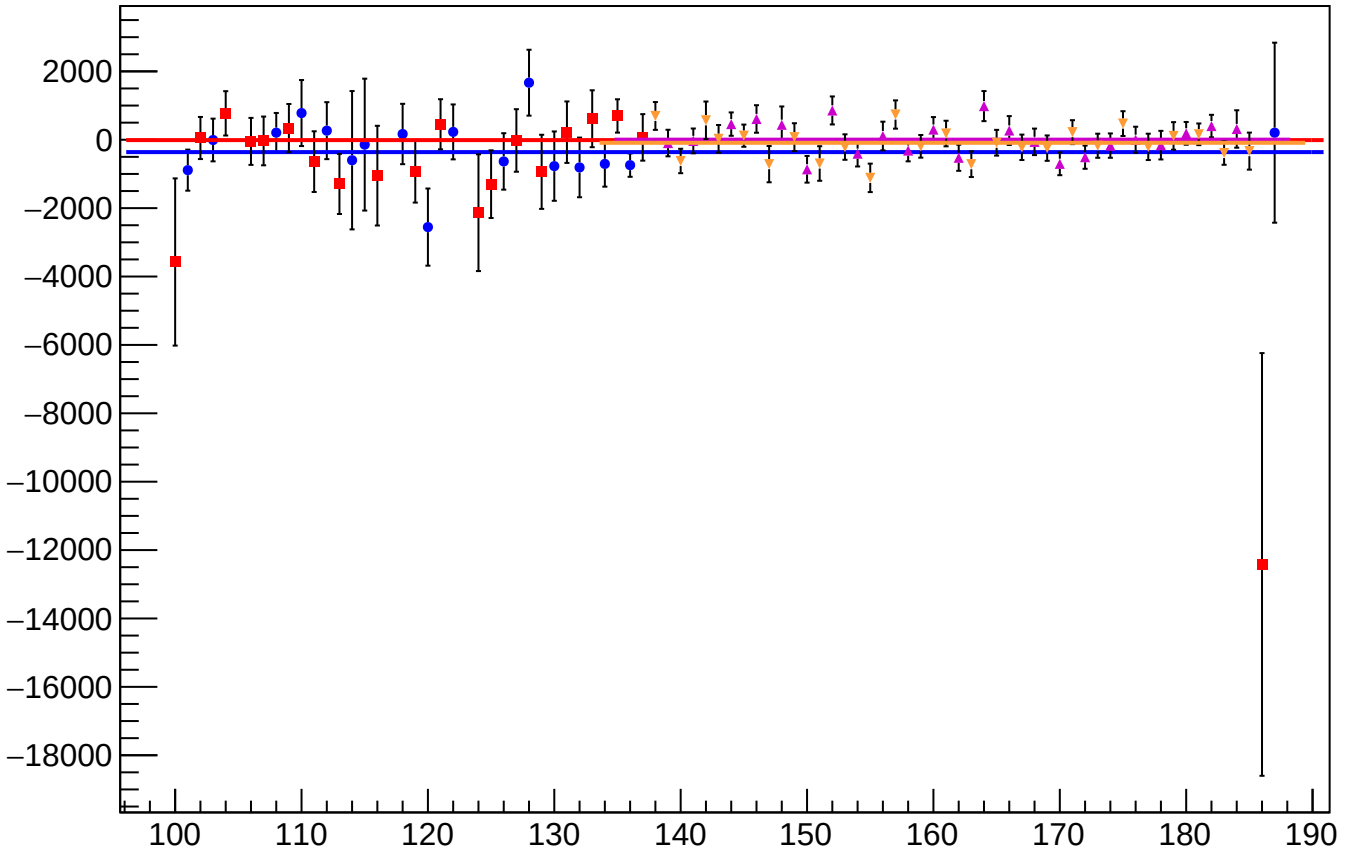
Right Out: 60.107+/-0.016 χ^2/NDF: 652597.2/19

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.803+/-0.008 χ^2/NDF: 600797.8/41

All: 58.157+/-0.006 χ^2/NDF: 1407522.6/84

- sign 58.531+/-0.008 χ^2/NDF: 802642.3/42



Right In: -361.402+/-180.177 χ^2/NDF: 15.3/16

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -10.319+/-183.005 χ^2/NDF: 19.1/19

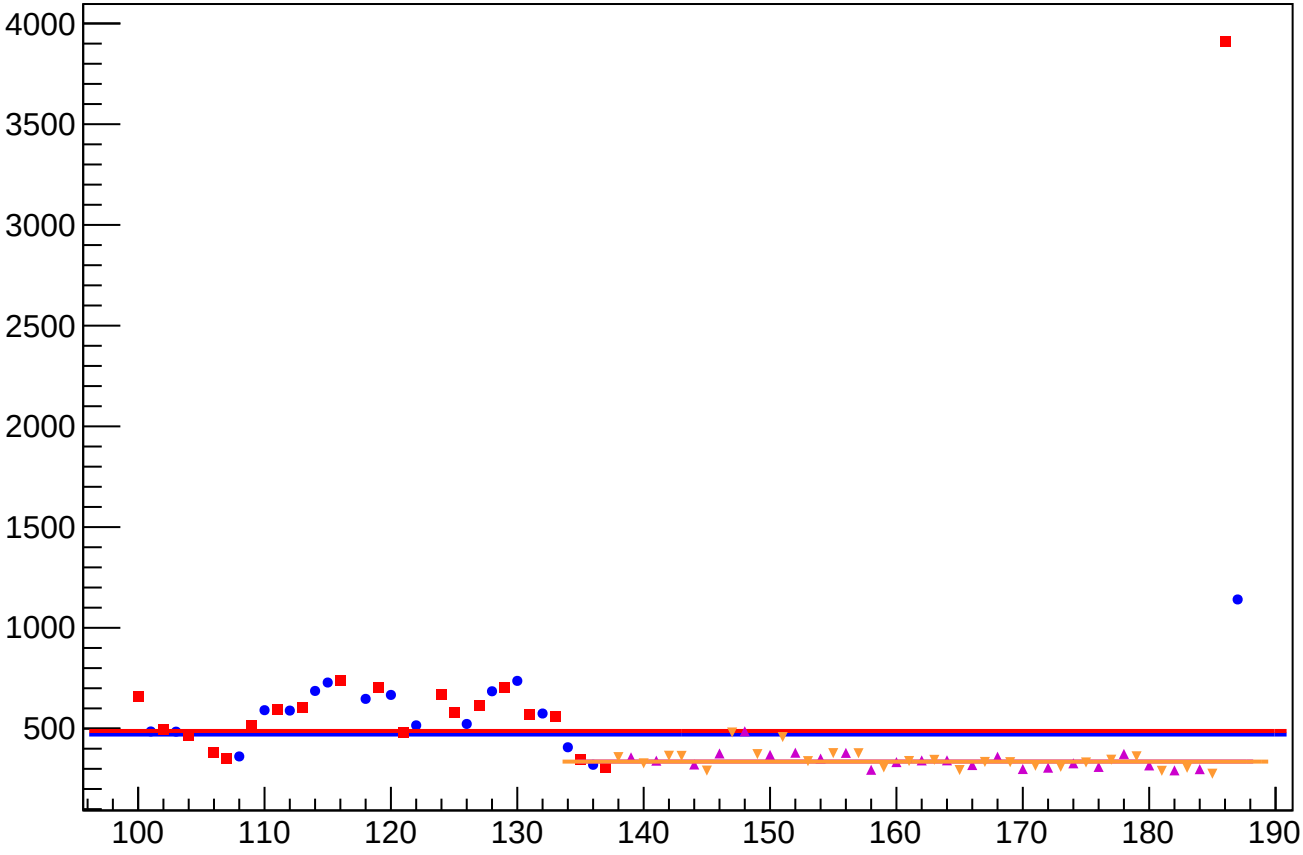
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -131.127+/-70.814 χ^2/NDF: 47.1/41

All: -66.812+/-50.720 χ^2/NDF: 101.5/84

- sign 0.938+/-72.680 χ^2/NDF: 52.7/42

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 470.224+/-0.127 χ^2/NDF: 1160670.2/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 487.984+/-0.129 χ^2/NDF: 1487785.1/19

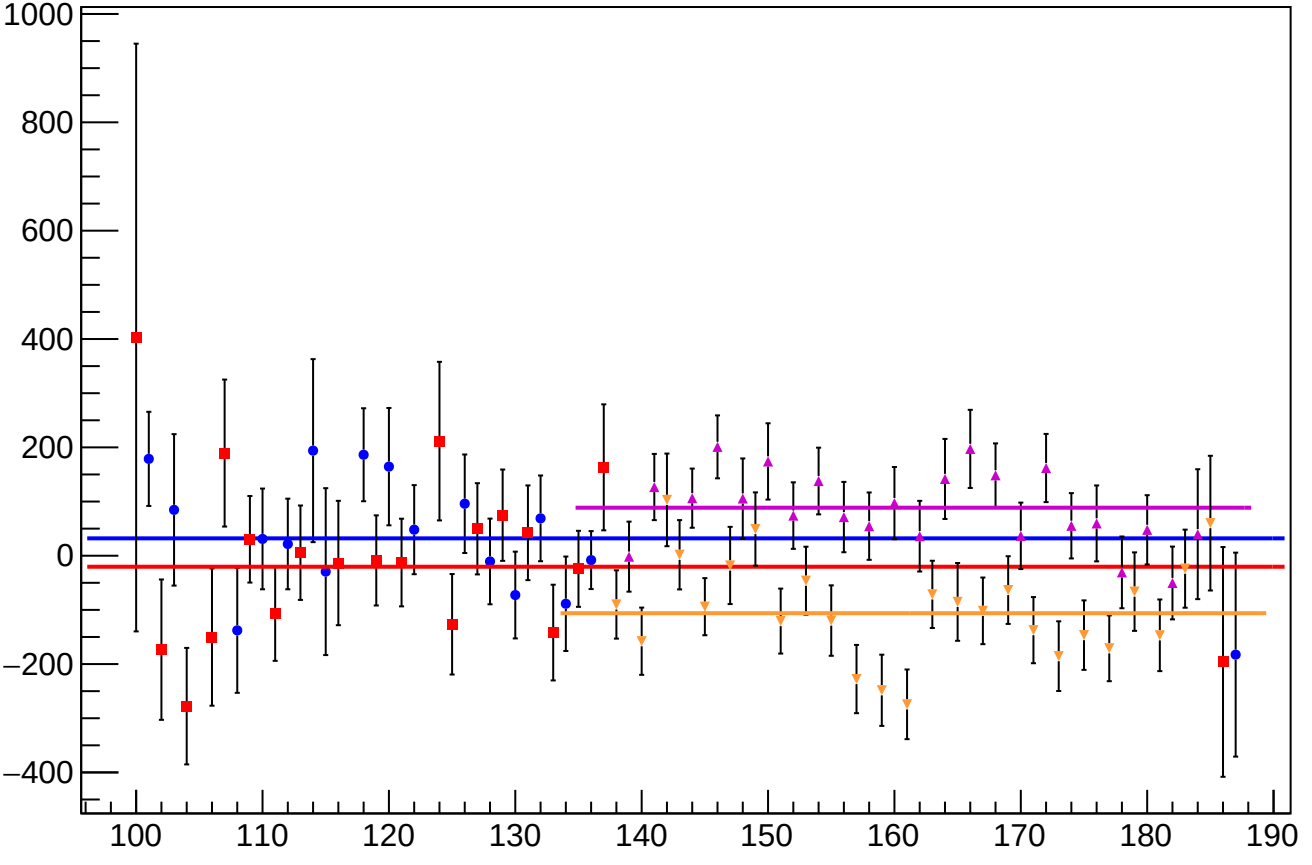
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 356.644+/-0.050 χ^2/NDF: 2634460.5/41

All: 358.405+/-0.036 χ^2/NDF: 5695614.7/84

- sign 360.261+/-0.051 χ^2/NDF: 3058613.2/42

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 32.050+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -20.333+/-22.021 χ^2/NDF: 24.1/19

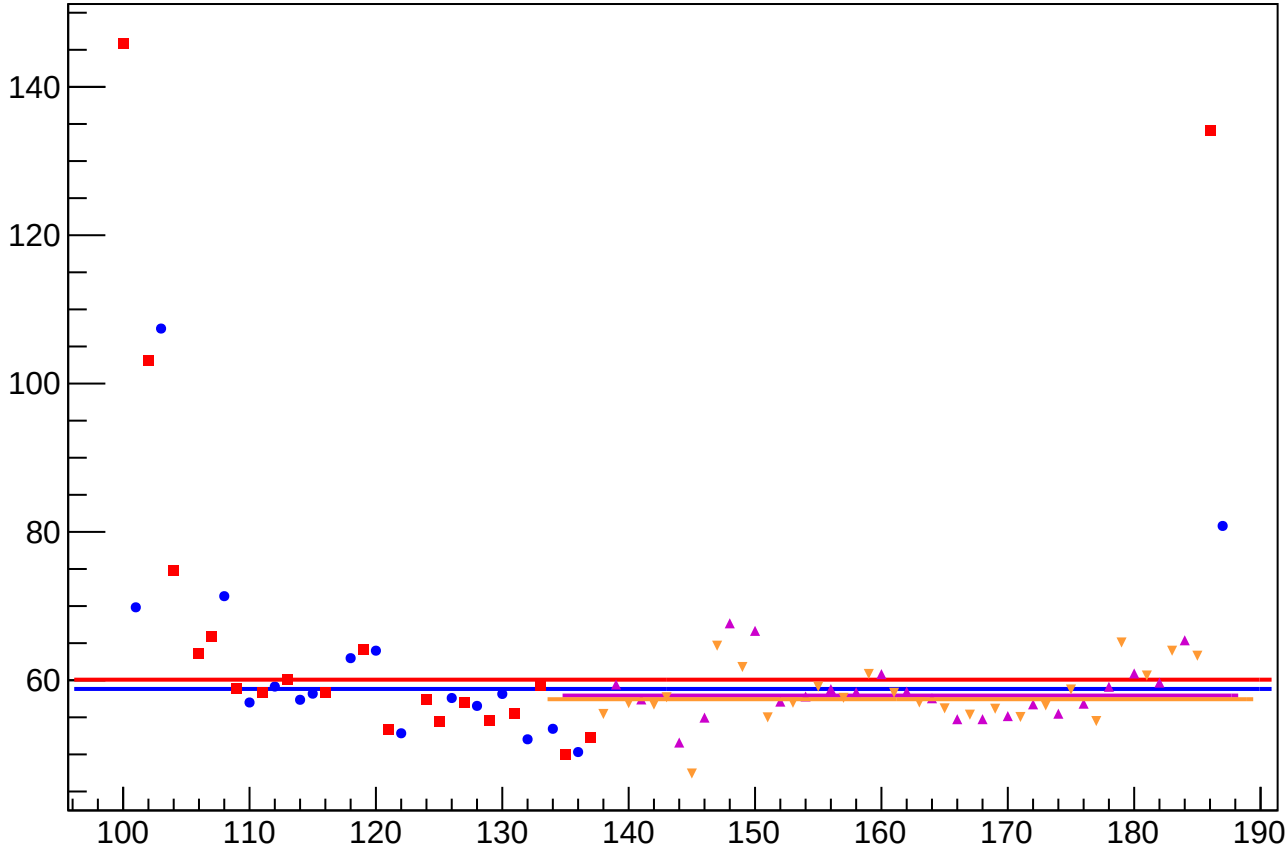
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -69.941+/-11.246 χ^2/NDF: 87.3/41

All: -7.361+/-8.058 χ^2/NDF: 216.7/84

- sign 58.647+/-11.550 χ^2/NDF: 65.7/42

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.825+/-0.016 χ^2/NDF: 420381.1/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

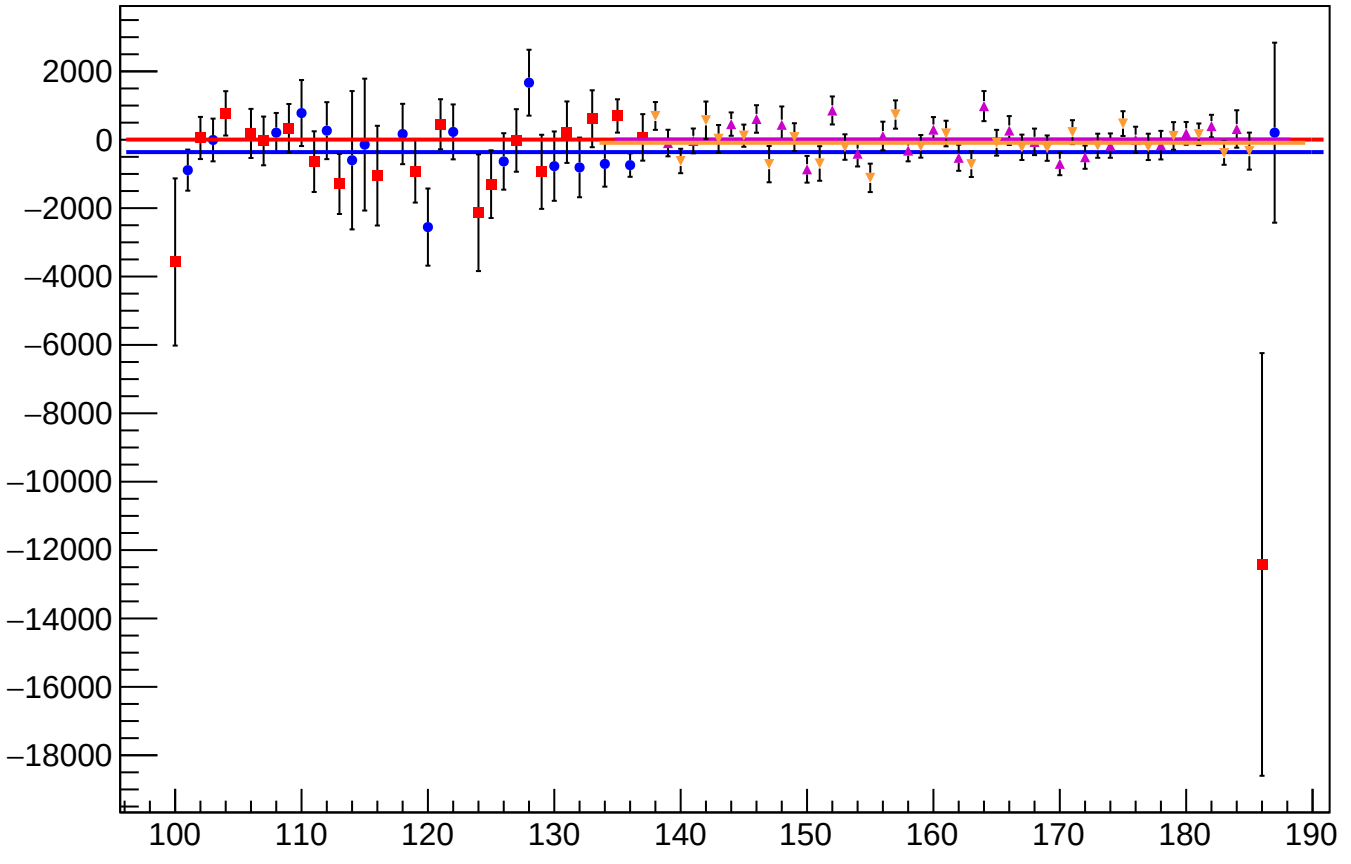
Right Out: 60.076+/-0.016 χ^2/NDF: 651810.6/19

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.803+/-0.008 χ^2/NDF: 600800.0/41

All: 58.153+/-0.006 χ^2/NDF: 1406234.1/84

- sign 58.522+/-0.008 χ^2/NDF: 801449.2/42



Right In: -361.366+/-180.178 χ^2/NDF: 15.3/16

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 5.117+/-183.569 χ^2/NDF: 19.2/19

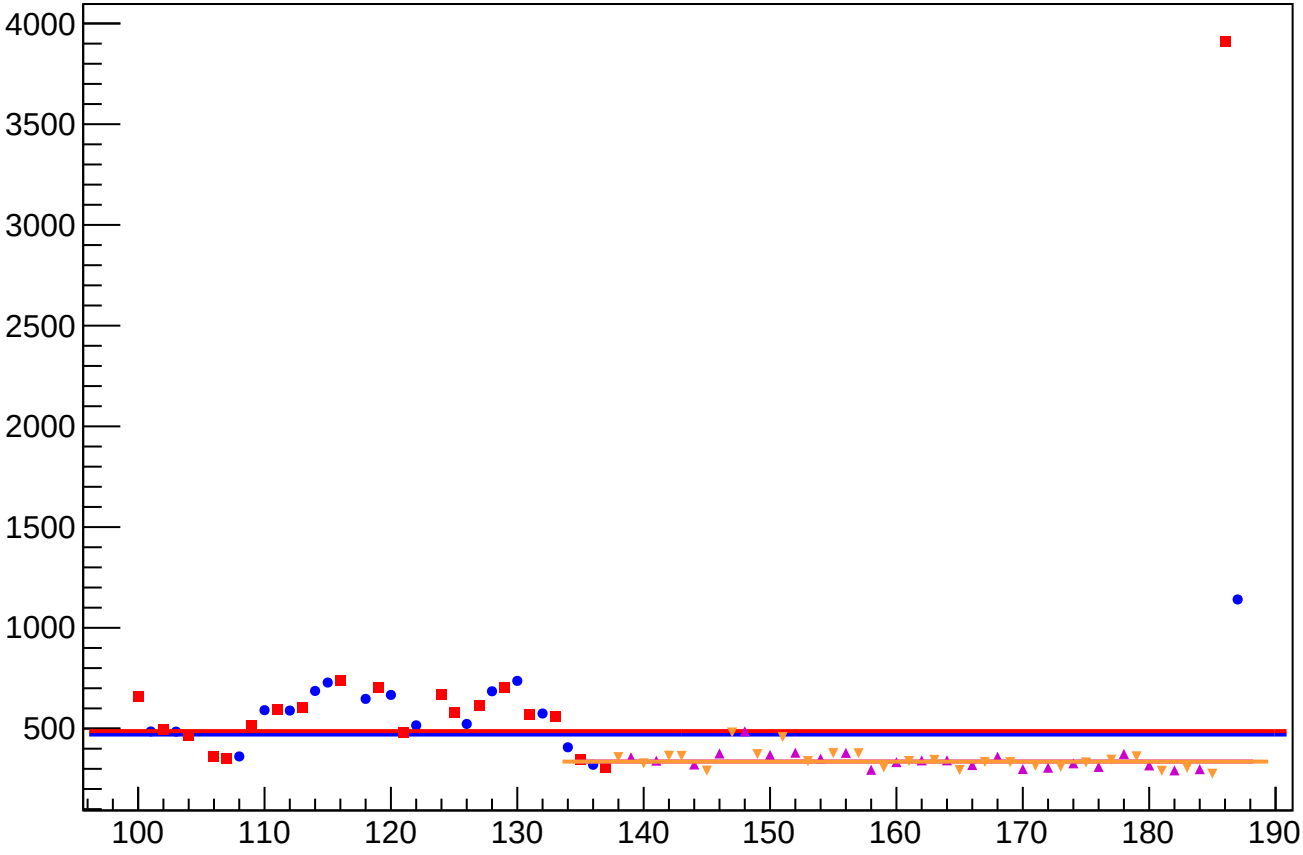
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.123+/-70.814 χ^2/NDF: 47.1/41

All: -65.657+/-50.732 χ^2/NDF: 101.6/84

- sign 3.372+/-72.715 χ^2/NDF: 52.8/42

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 470.227+/-0.127 χ^2/NDF: 1160671.5/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 487.296+/-0.130 χ^2/NDF: 1502730.5/19

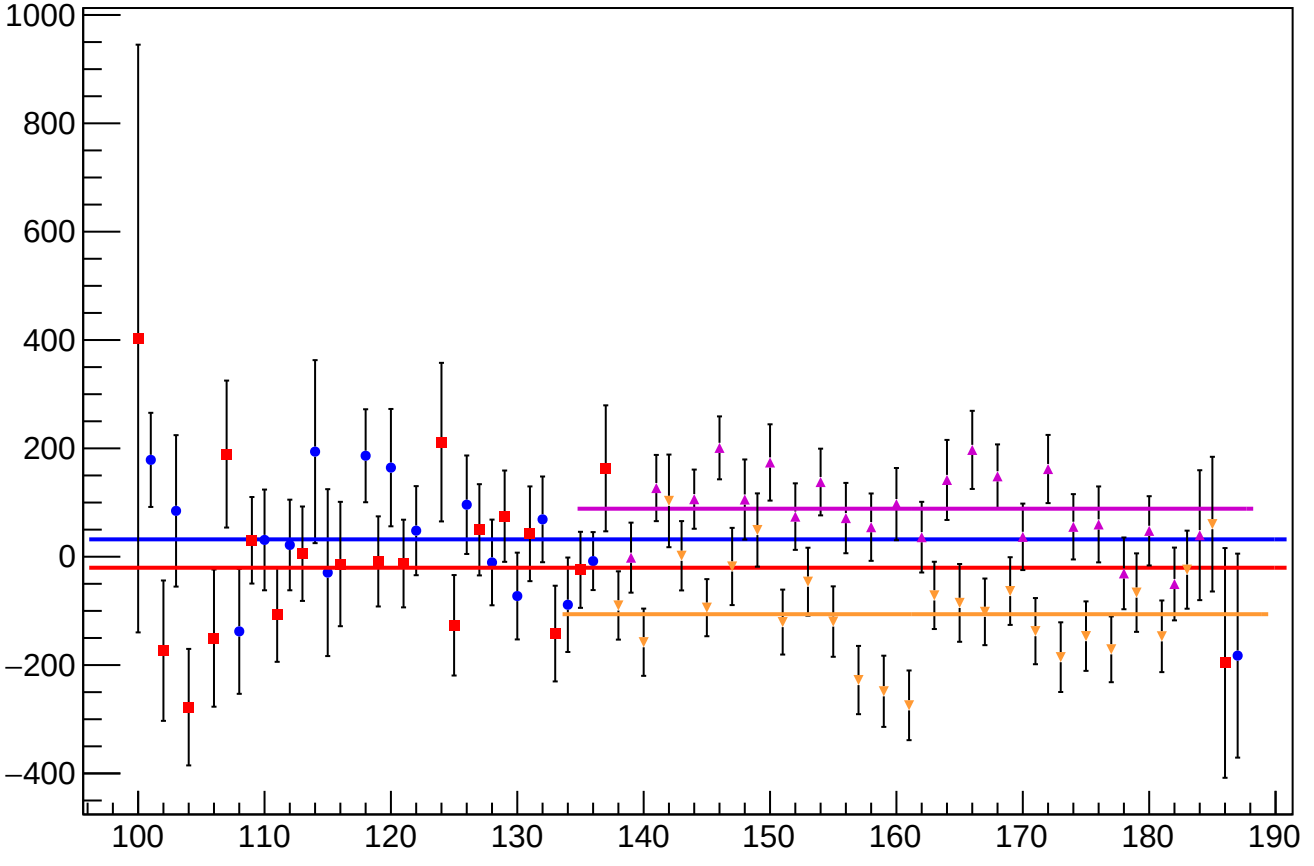
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 356.644+/-0.050 χ^2/NDF: 2634489.4/41

All: 358.292+/-0.036 χ^2/NDF: 5693859.9/84

- sign 360.029+/-0.051 χ^2/NDF: 3057146.3/42

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 32.050+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -20.333+/-22.021 χ^2/NDF: 24.1/19

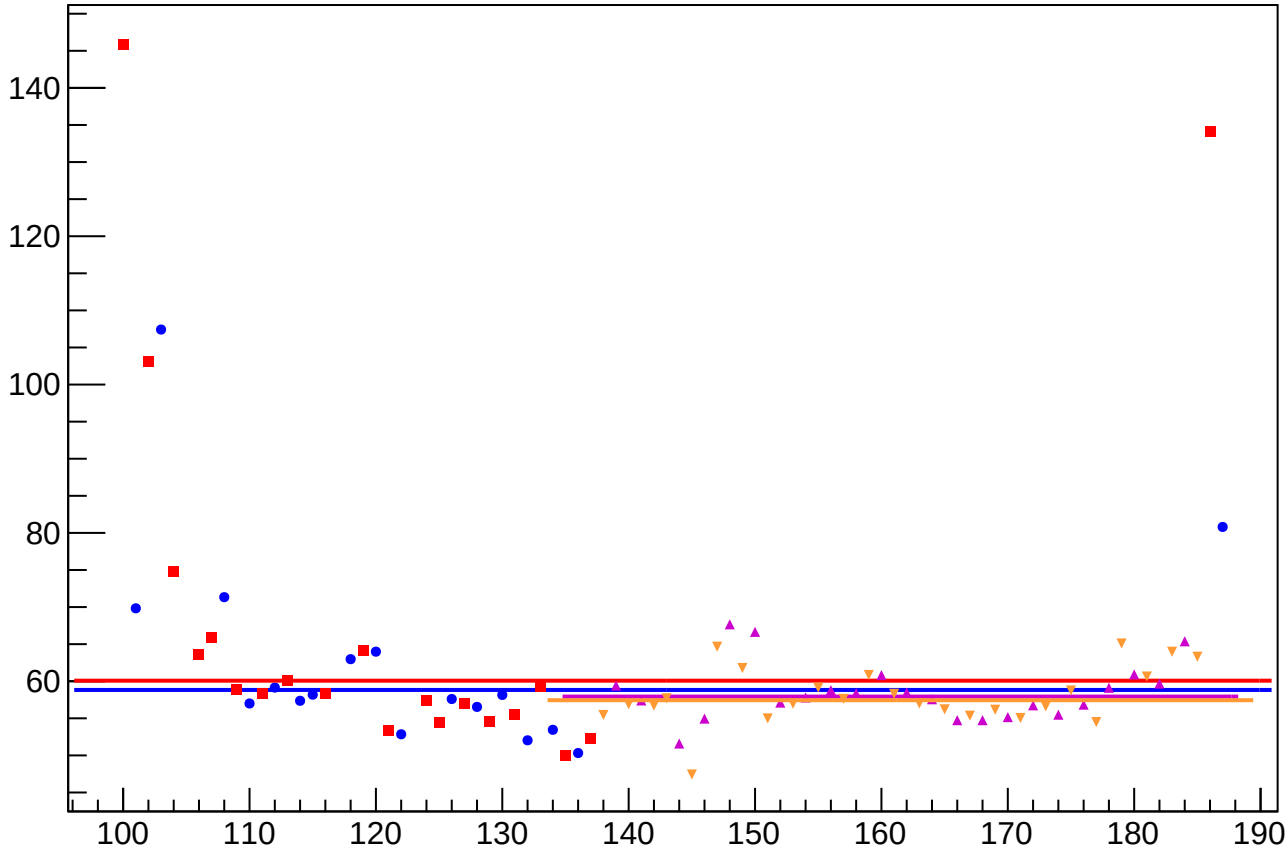
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -69.941+/-11.246 χ^2/NDF: 87.3/41

All: -7.361+/-8.058 χ^2/NDF: 216.7/84

\- sign 58.647+/-11.550 χ^2/NDF: 65.7/42

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 58.825+/-0.016 χ^2/NDF: 420381.1/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

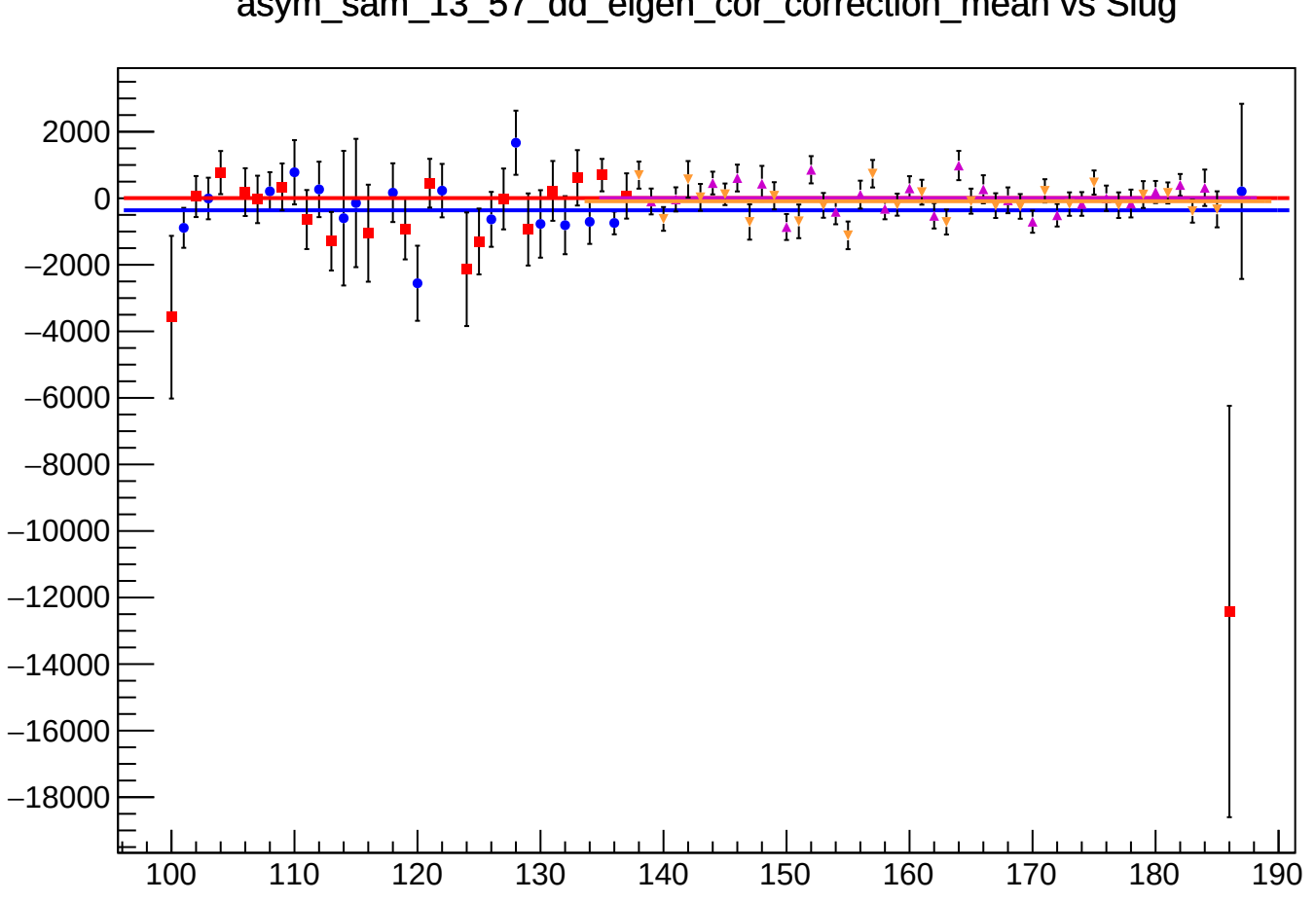
Right Out: 60.076+/-0.016 χ^2/NDF: 651810.6/19

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 57.803+/-0.008 χ^2/NDF: 600800.0/41

All: 58.153+/-0.006 χ^2/NDF: 1406234.1/84

- sign 58.522+/-0.008 χ^2/NDF: 801449.2/42



Right In: -361.366+/-180.178 χ^2/NDF: 15.3/16

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

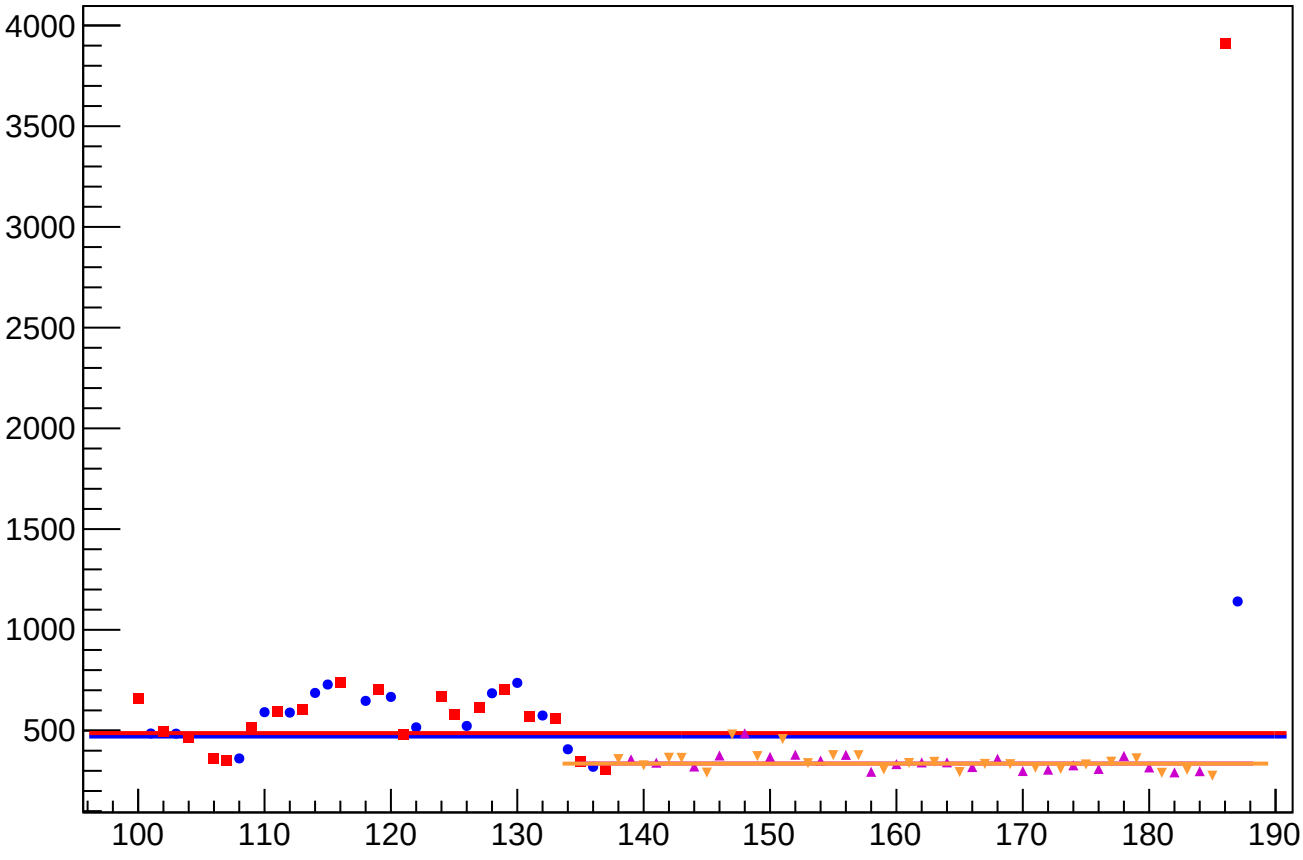
Right Out: 5.117+/-183.569 χ^2/NDF: 19.2/19

Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.123+/-70.814 χ^2/NDF: 47.1/41

All: -65.657+/-50.732 χ^2/NDF: 101.6/84

- sign 3.372+/-72.715 χ^2/NDF: 52.8/42



Right In: 470.227+/-0.127 χ^2/NDF: 1160671.5/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 487.296+/-0.130 χ^2/NDF: 1502730.5/19

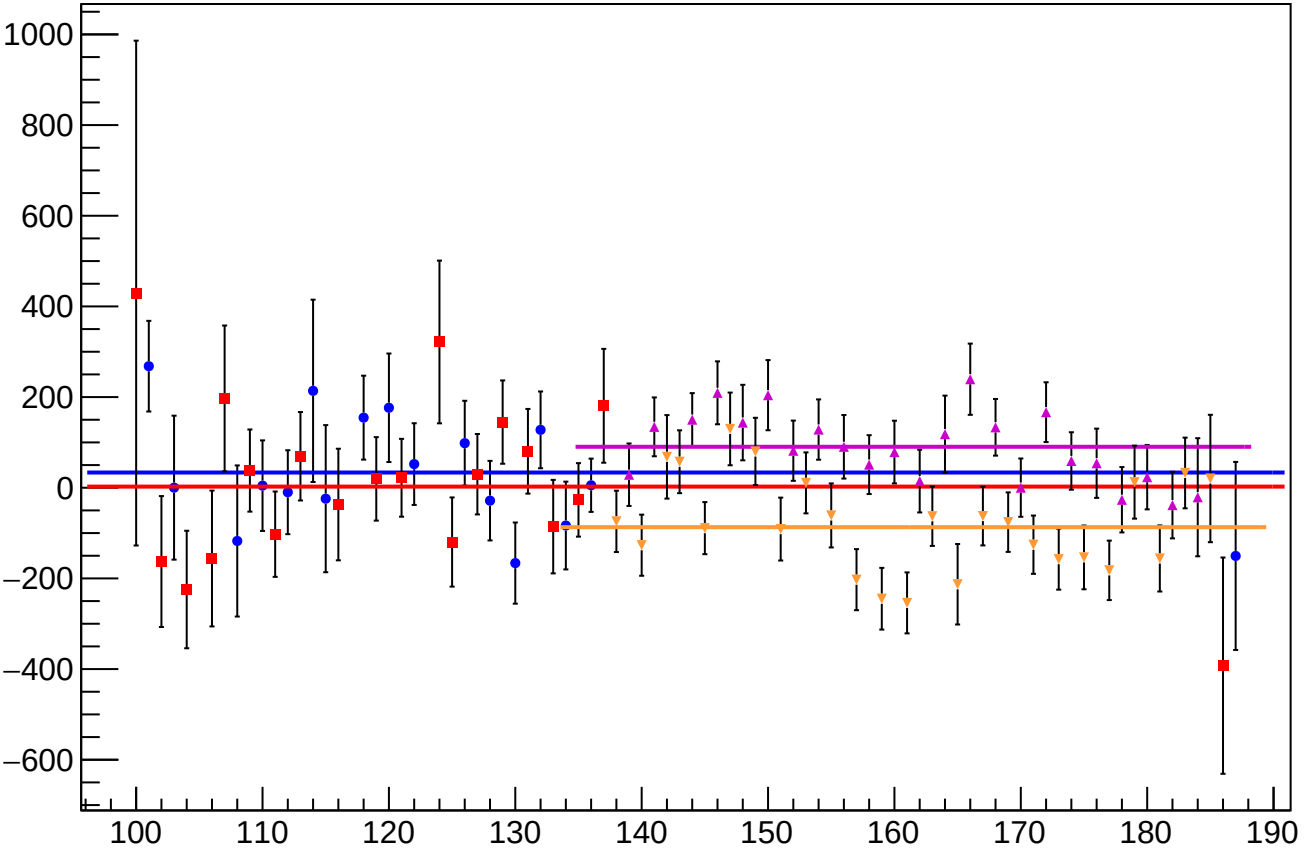
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 356.644+/-0.050 χ^2/NDF: 2634489.4/41

All: 358.292+/-0.036 χ^2/NDF: 5693859.9/84

- sign 360.029+/-0.051 χ^2/NDF: 3057146.3/42

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 33.595+/-24.303 χ^2/NDF: 20.4/16

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

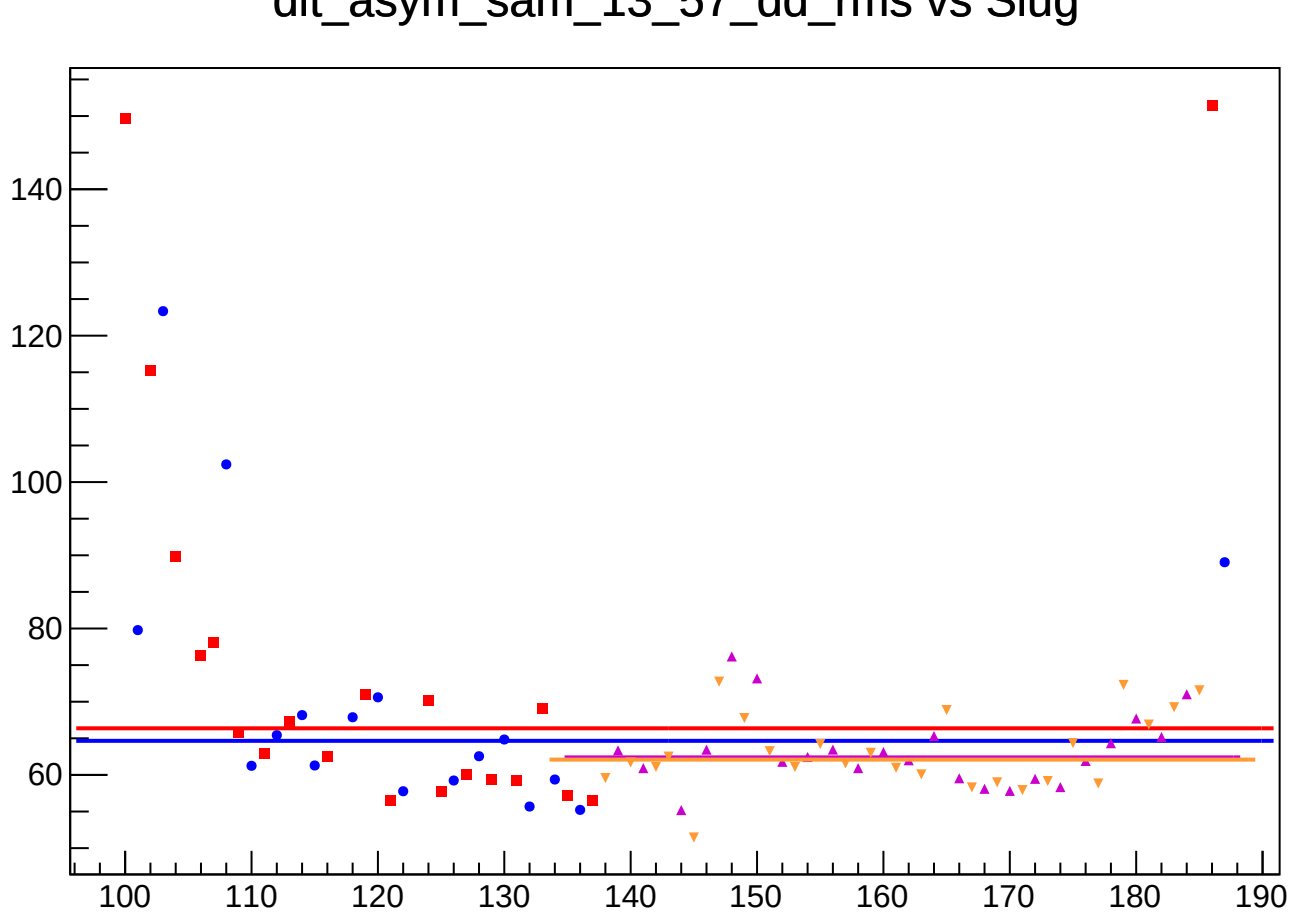
Right Out: 2.545+/-24.436 χ^2/NDF: 23.1/19

Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

\+ sign -56.357+/-12.244 χ^2/NDF: 87.6/41

All: 3.770+/-8.770 χ^2/NDF: 194.8/84

\- sign 67.129+/-12.569 χ^2/NDF: 57.7/42



Right In: 64.656+/-0.017 χ^2/NDF: 560117.8/16

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

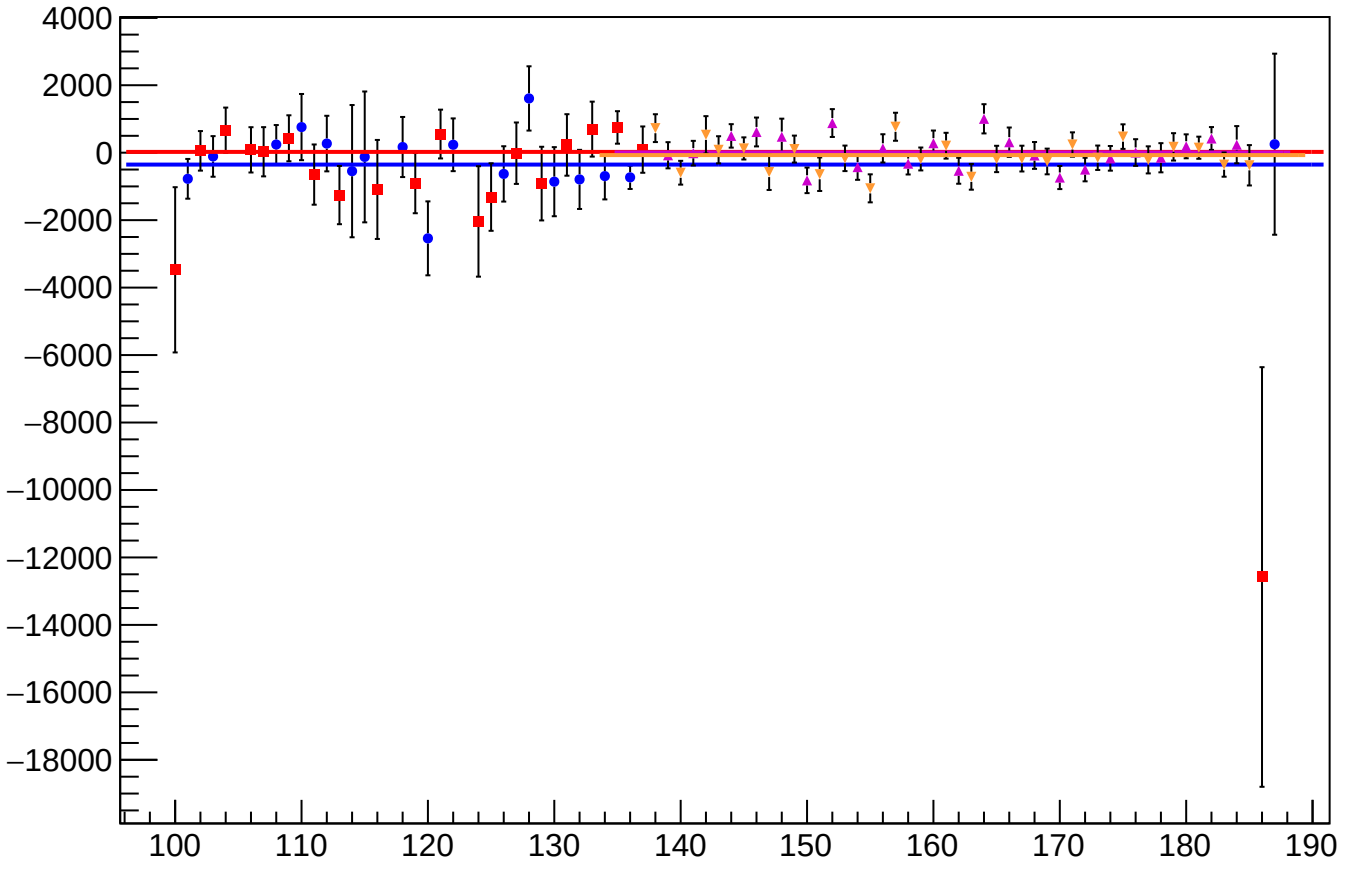
Right Out: 66.368+/-0.017 χ^2/NDF: 739115.3/19

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 62.744+/-0.009 χ^2/NDF: 810054.8/41

All: 63.086+/-0.006 χ^2/NDF: 1780064.7/84

- sign 63.446+/-0.009 χ^2/NDF: 966804.3/42



Right In: -352.803+/-179.929 χ^2/NDF: 14.8/16

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 23.050+/-181.483 χ^2/NDF: 19.5/19

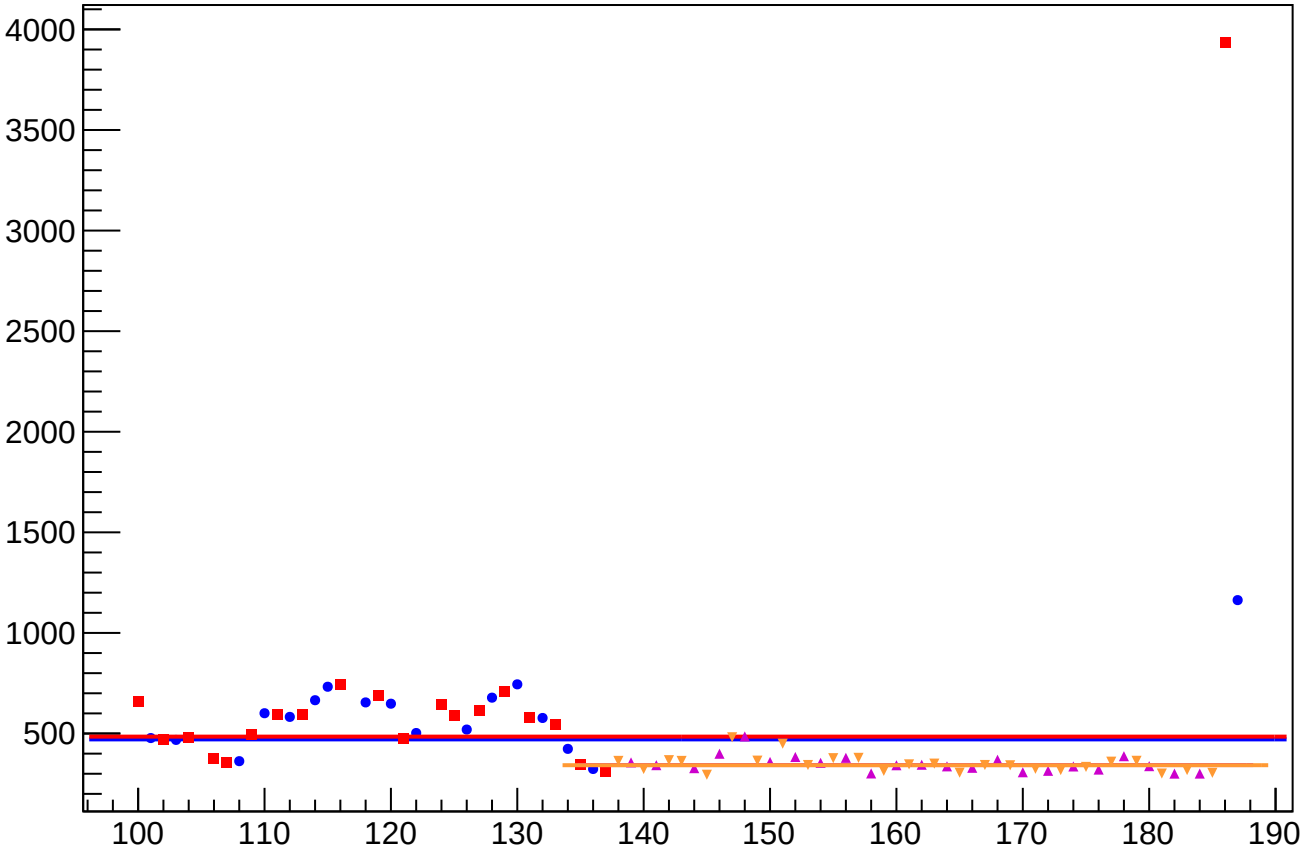
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.237+/-71.873 χ^2/NDF: 45.5/41

All: -55.296+/-51.484 χ^2/NDF: 100.5/84

- sign 8.930+/-73.784 χ^2/NDF: 53.5/42

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 470.799+/-0.127 χ^2/NDF: 1119595.5/16

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 484.539+/-0.128 χ^2/NDF: 1470062.4/19

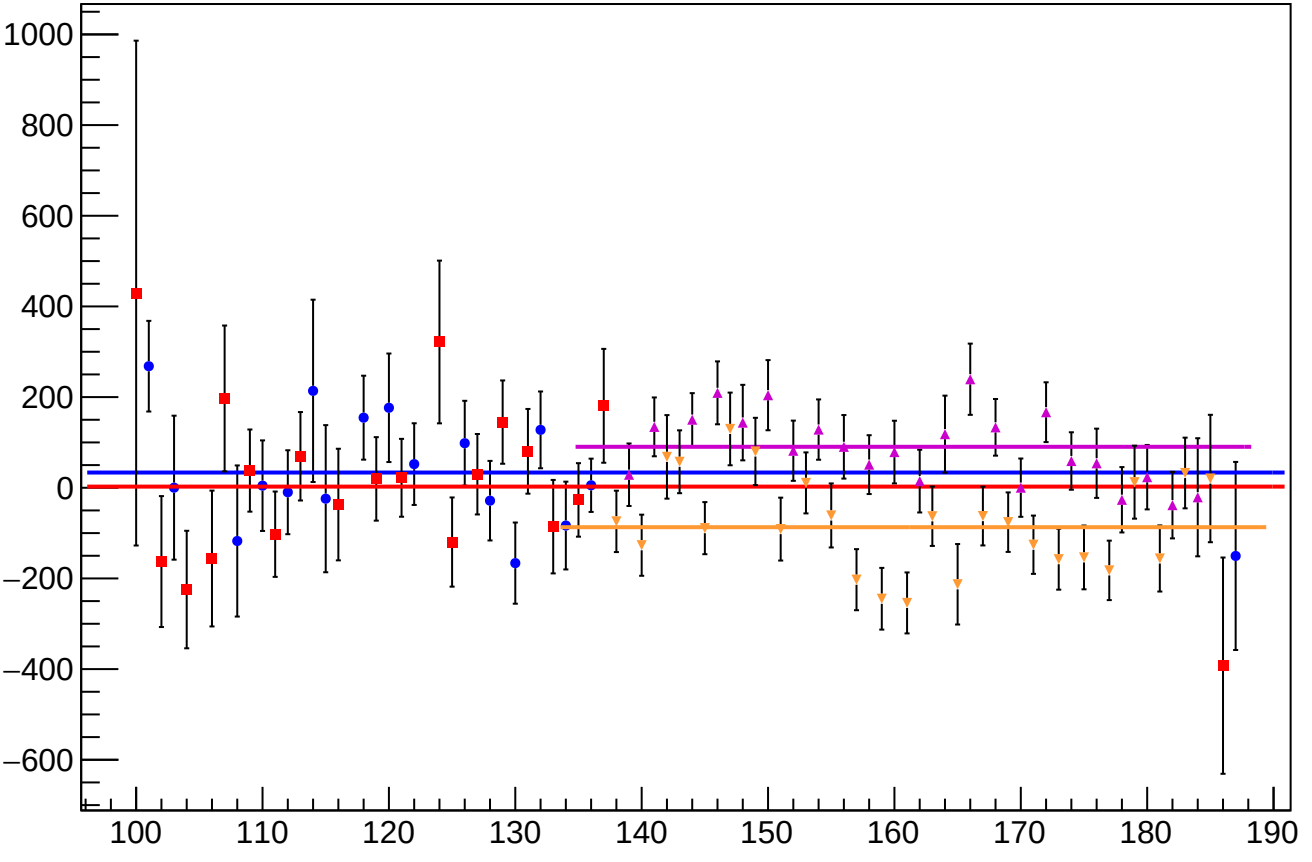
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 362.974+/-0.051 χ^2/NDF: 2408411.0/41

All: 364.739+/-0.036 χ^2/NDF: 5265842.5/84

- sign 366.600+/-0.052 χ^2/NDF: 2854953.2/42

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 33.596+/-24.303 χ^2/NDF: 20.4/16

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 2.546+/-24.436 χ^2/NDF: 23.1/19

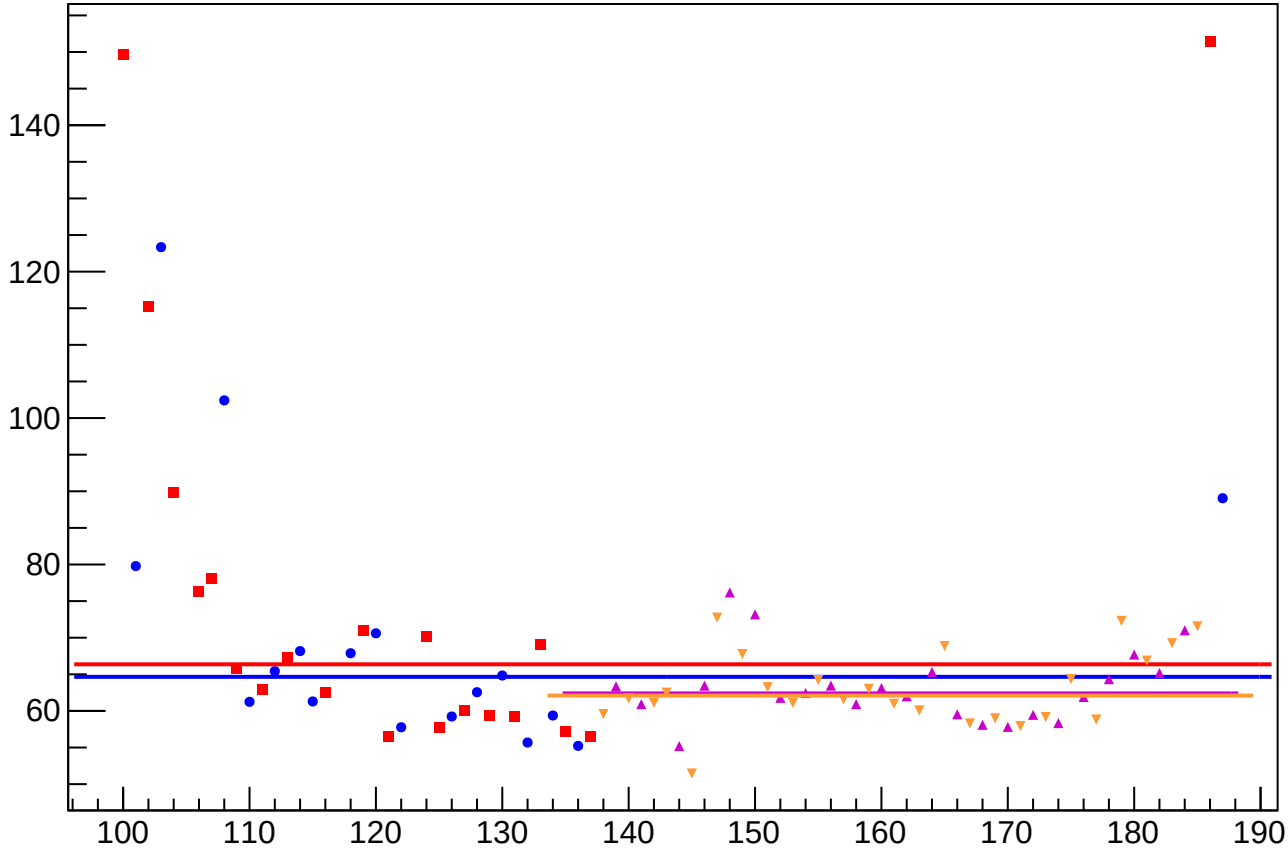
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -56.357+/-12.244 χ^2/NDF: 87.6/41

All: 3.770+/-8.770 χ^2/NDF: 194.8/84

- sign 67.129+/-12.569 χ^2/NDF: 57.7/42

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 64.656+/-0.017 χ^2/NDF: 560126.9/16

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

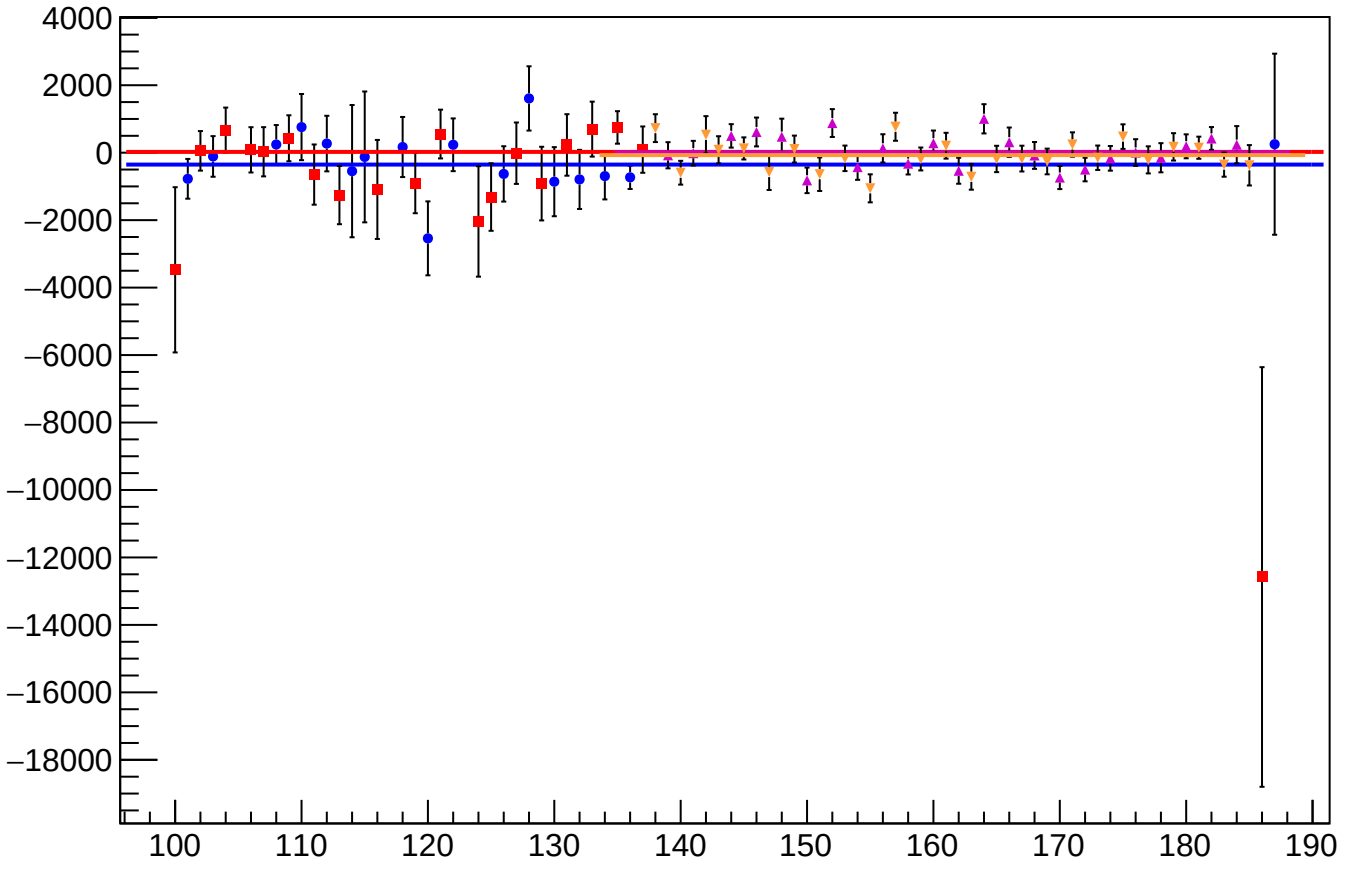
Right Out: 66.368+/-0.017 χ^2/NDF: 739110.5/19

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 62.744+/-0.009 χ^2/NDF: 810066.7/41

All: 63.086+/-0.006 χ^2/NDF: 1780072.6/84

- sign 63.446+/-0.009 χ^2/NDF: 966800.0/42



Right In: -352.802+/-179.929 χ^2/NDF: 14.8/16

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

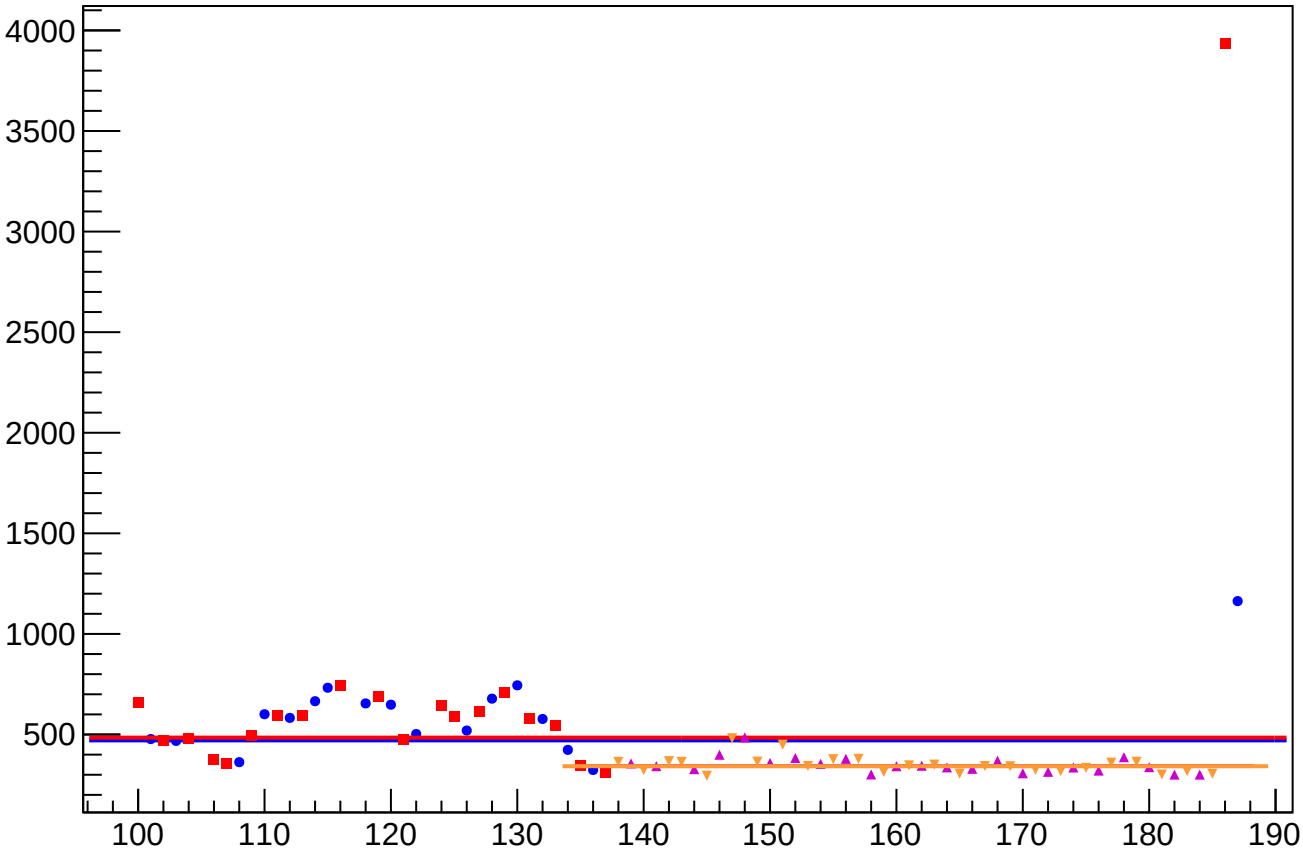
Right Out: 23.050+/-181.483 χ^2/NDF: 19.5/19

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.237+/-71.873 χ^2/NDF: 45.5/41

All: -55.296+/-51.484 χ^2/NDF: 100.5/84

- sign 8.930+/-73.784 χ^2/NDF: 53.5/42



Right In: 470.799+/-0.127 χ^2/NDF: 1119597.2/16

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 484.538+/-0.128 χ^2/NDF: 1470061.8/19

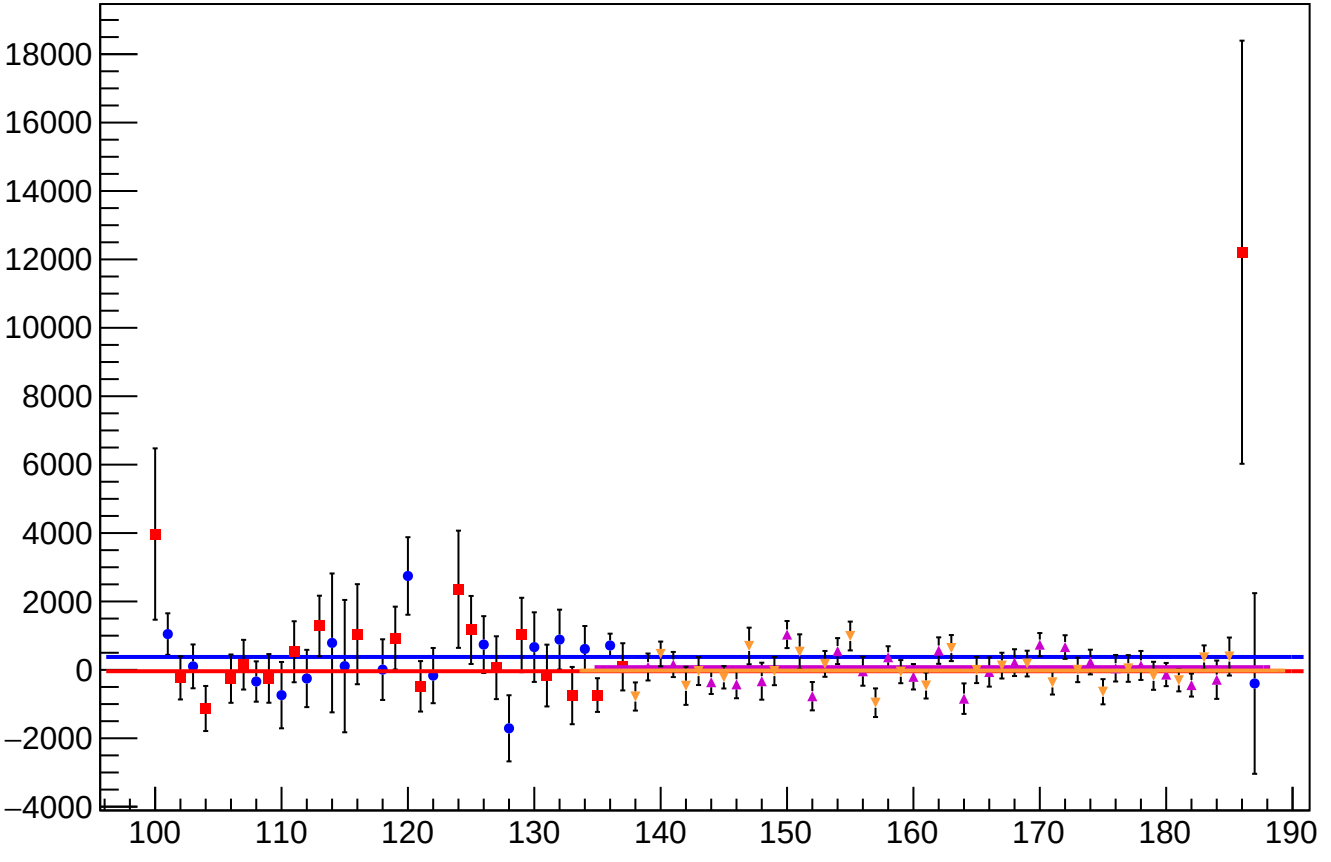
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 362.974+/-0.051 χ^2/NDF: 2408408.6/41

All: 364.739+/-0.036 χ^2/NDF: 5265831.1/84

- sign 366.600+/-0.052 χ^2/NDF: 2854944.0/42

asym_sam_13_57_dd_mean vs Slug



Right In: 377.375+/-182.220 χ^2/NDF: 16.2/16

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -39.402+/-185.179 χ^2/NDF: 21.4/19

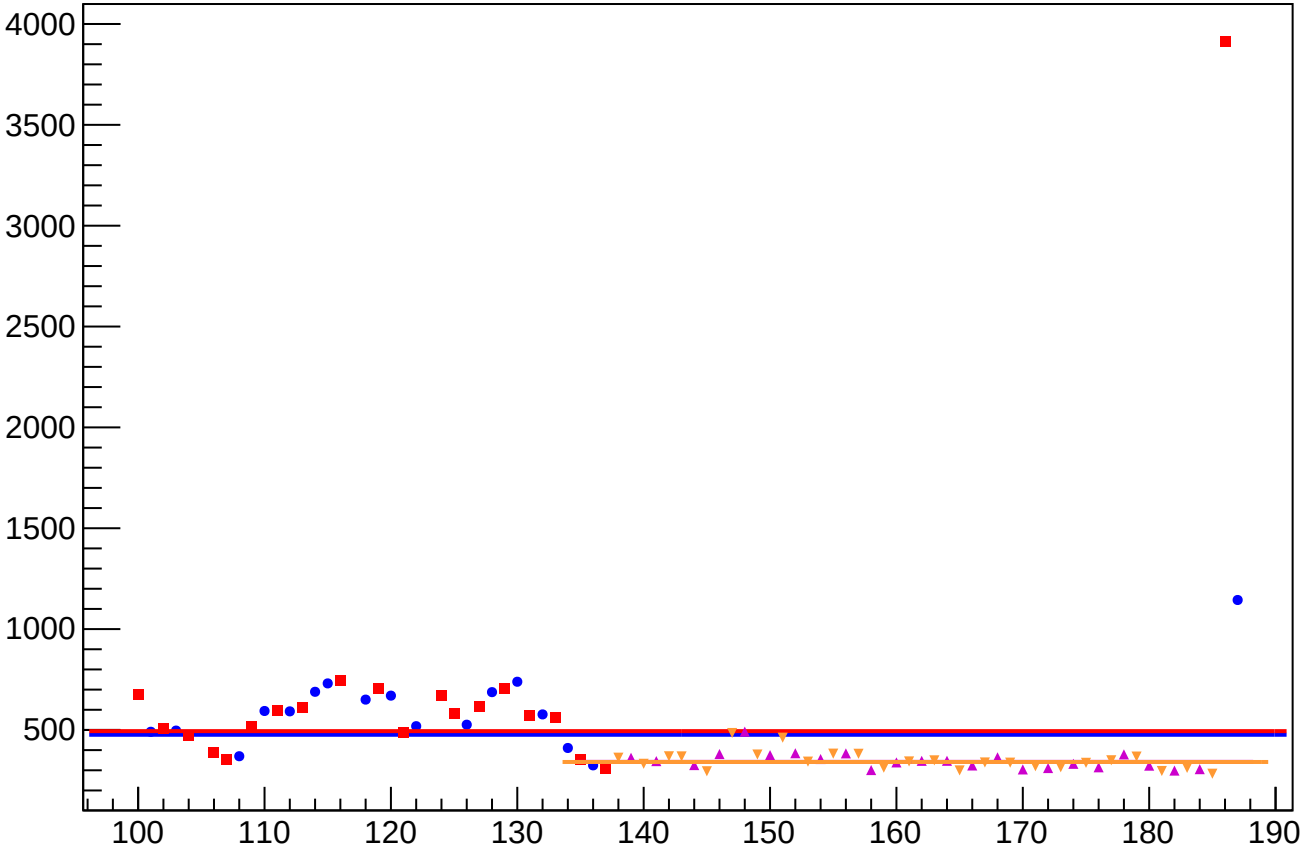
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 41.568+/-71.859 χ^2/NDF: 51.7/41

All: 50.534+/-51.470 χ^2/NDF: 106.4/84

- sign 59.980+/-73.757 χ^2/NDF: 54.7/42

asym_sam_13_57_dd_rms vs Slug



Right In: 476.122+/-0.129 χ^2/NDF: 1128961.5/16

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

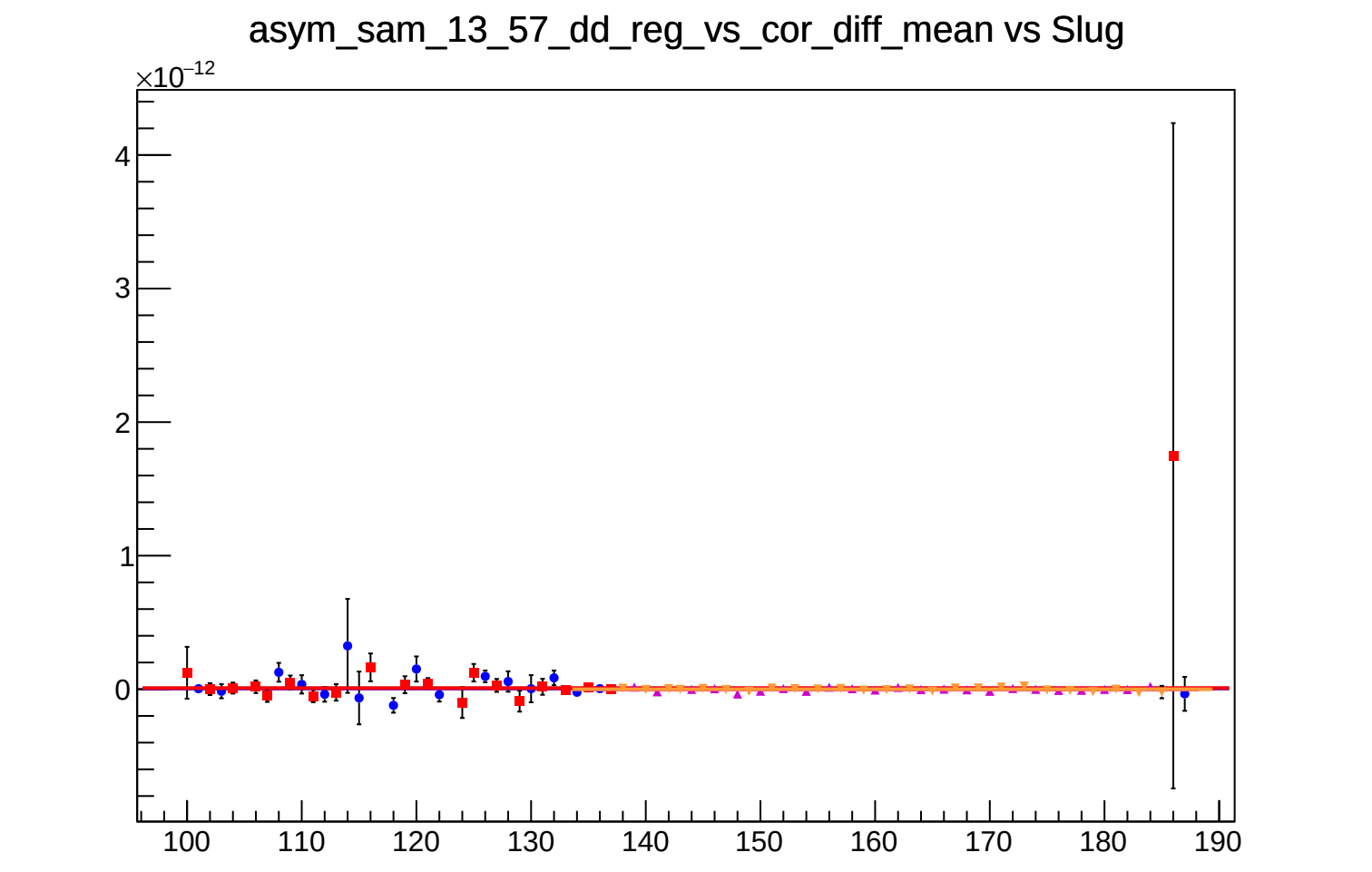
Right Out: 494.130+/-0.131 χ^2/NDF: 1459128.0/19

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 362.182+/-0.051 χ^2/NDF: 2565797.5/41

All: 363.952+/-0.036 χ^2/NDF: 5565636.4/84

- sign 365.817+/-0.052 χ^2/NDF: 2997346.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

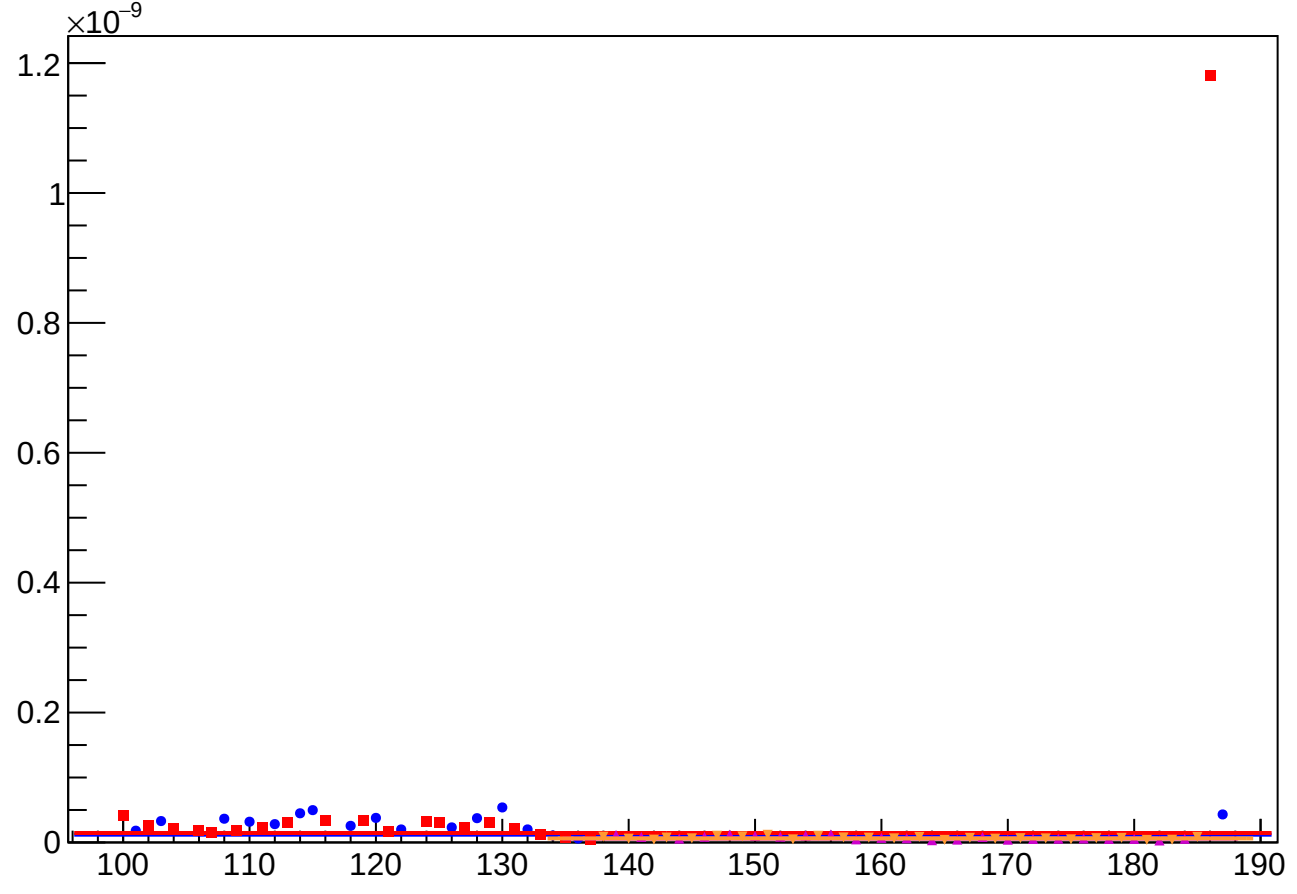
Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/19

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.9/41

All: -0.000+/-0.000 χ^2/NDF: 71.2/84

- sign -0.000+/-0.000 χ^2/NDF: 30.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 2968847.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

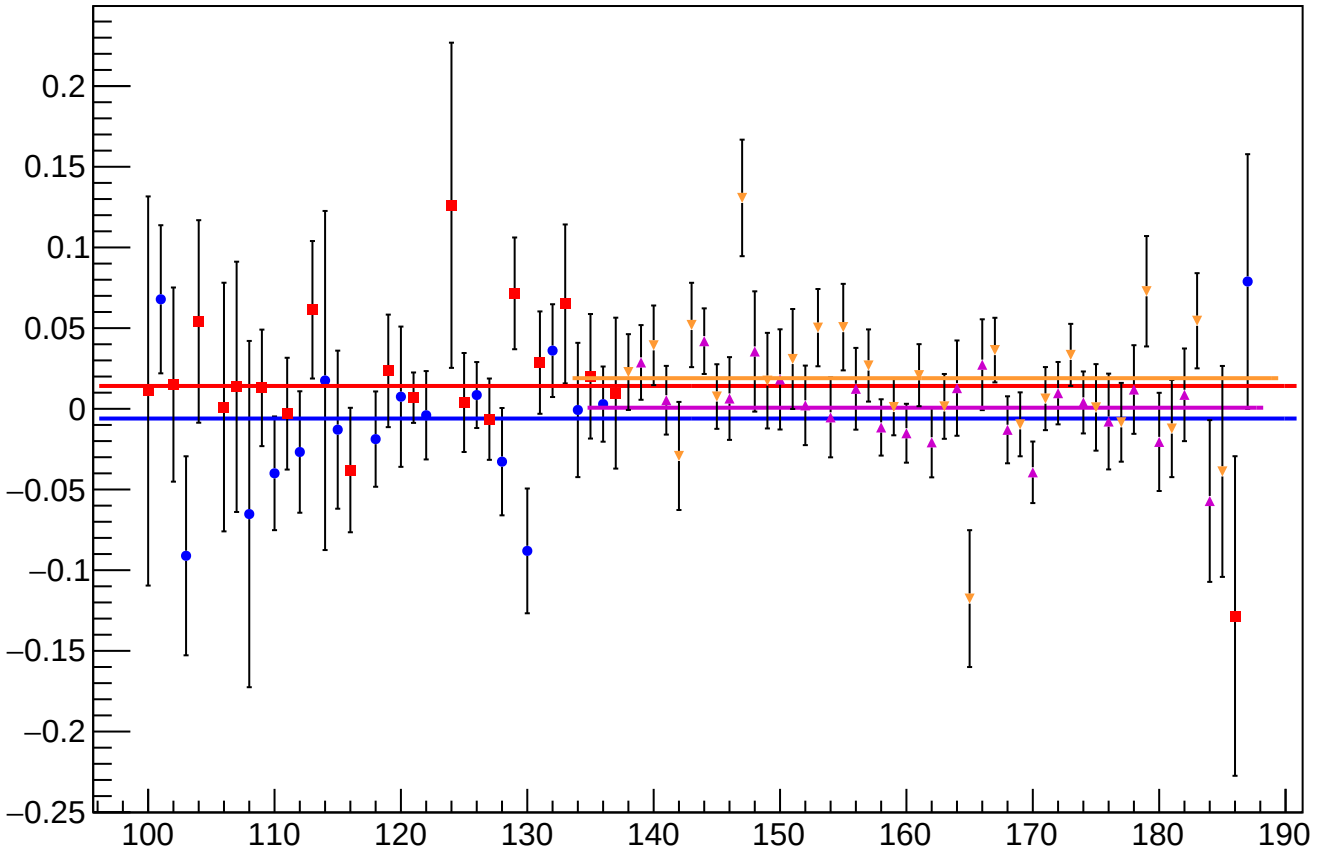
Right Out: 0.000+/-0.000 χ^2/NDF: 2208468.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 5074830.0/41

All: 0.000+/-0.000 χ^2/NDF: 10519333.2/84

- sign 0.000+/-0.000 χ^2/NDF: 5443928.0/42



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

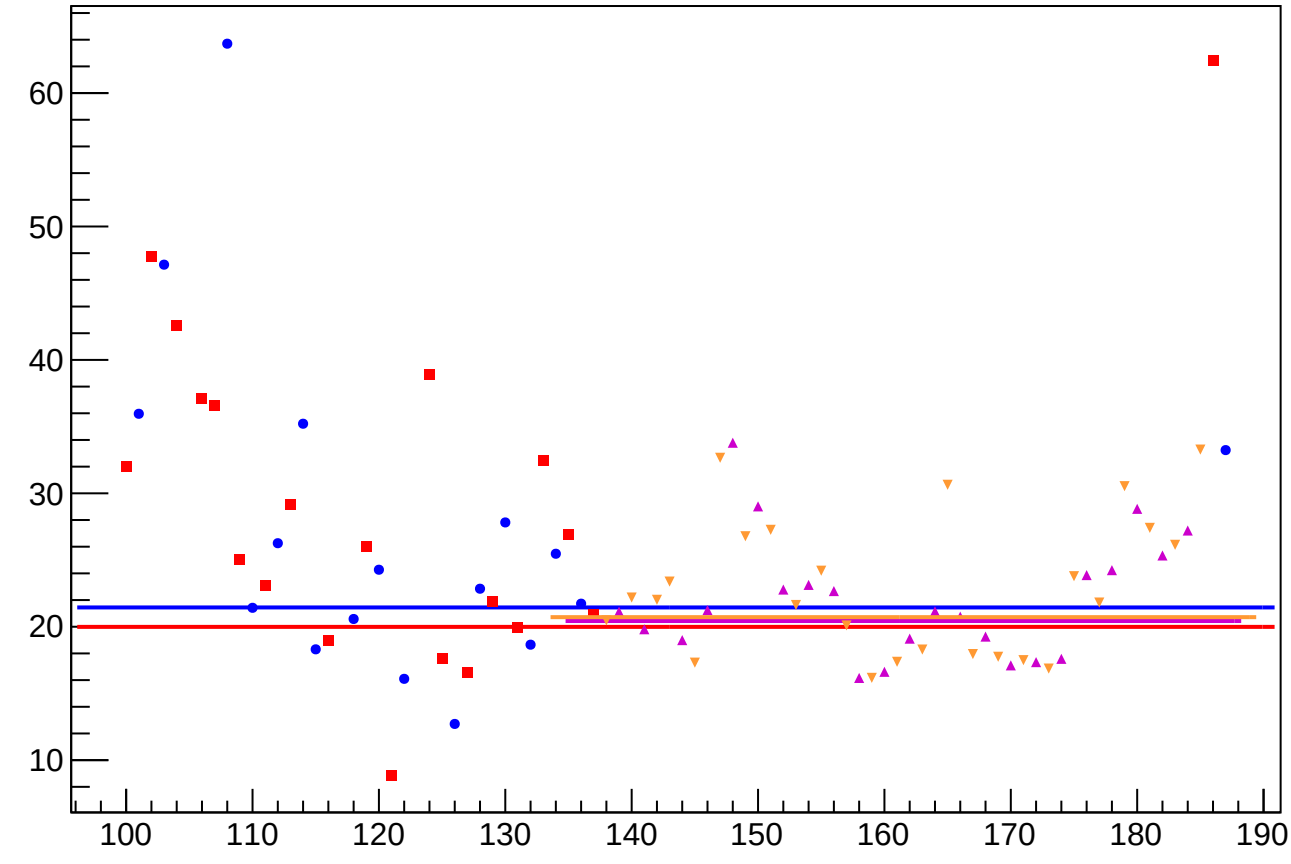
Right Out: 0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

\+ sign 0.013+/-0.004 χ^2/NDF: 63.1/41

All: 0.009+/-0.003 χ^2/NDF: 97.0/84

\- sign 0.004+/-0.004 χ^2/NDF: 31.8/42



Right In: 21.446+/-0.006 χ^2/NDF: 1524618.2/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

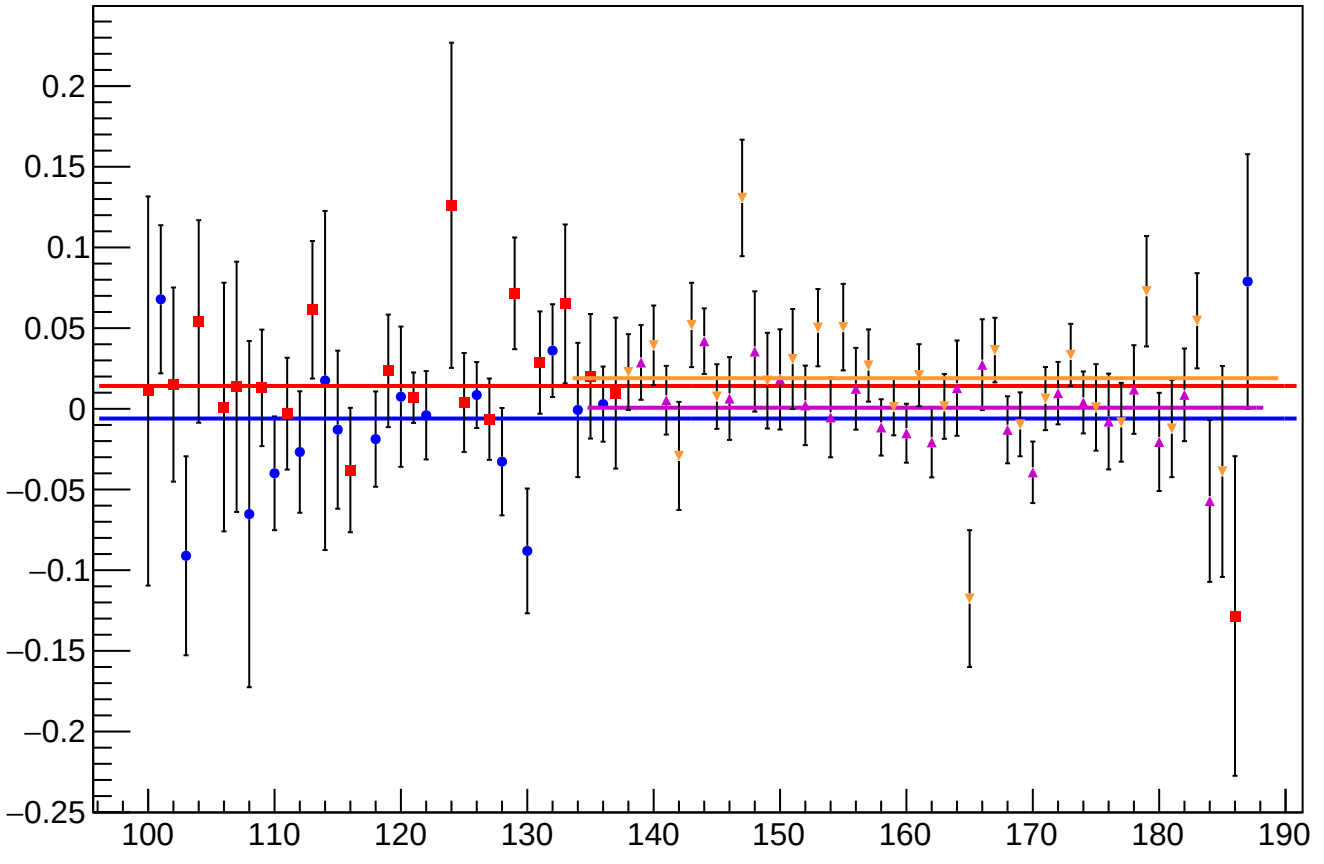
Right Out: 19.990+/-0.006 χ^2/NDF: 2808759.1/19

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.896+/-0.003 χ^2/NDF: 3041902.4/41

All: 20.603+/-0.002 χ^2/NDF: 7047855.8/84

- sign 20.312+/-0.003 χ^2/NDF: 3986921.3/42



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

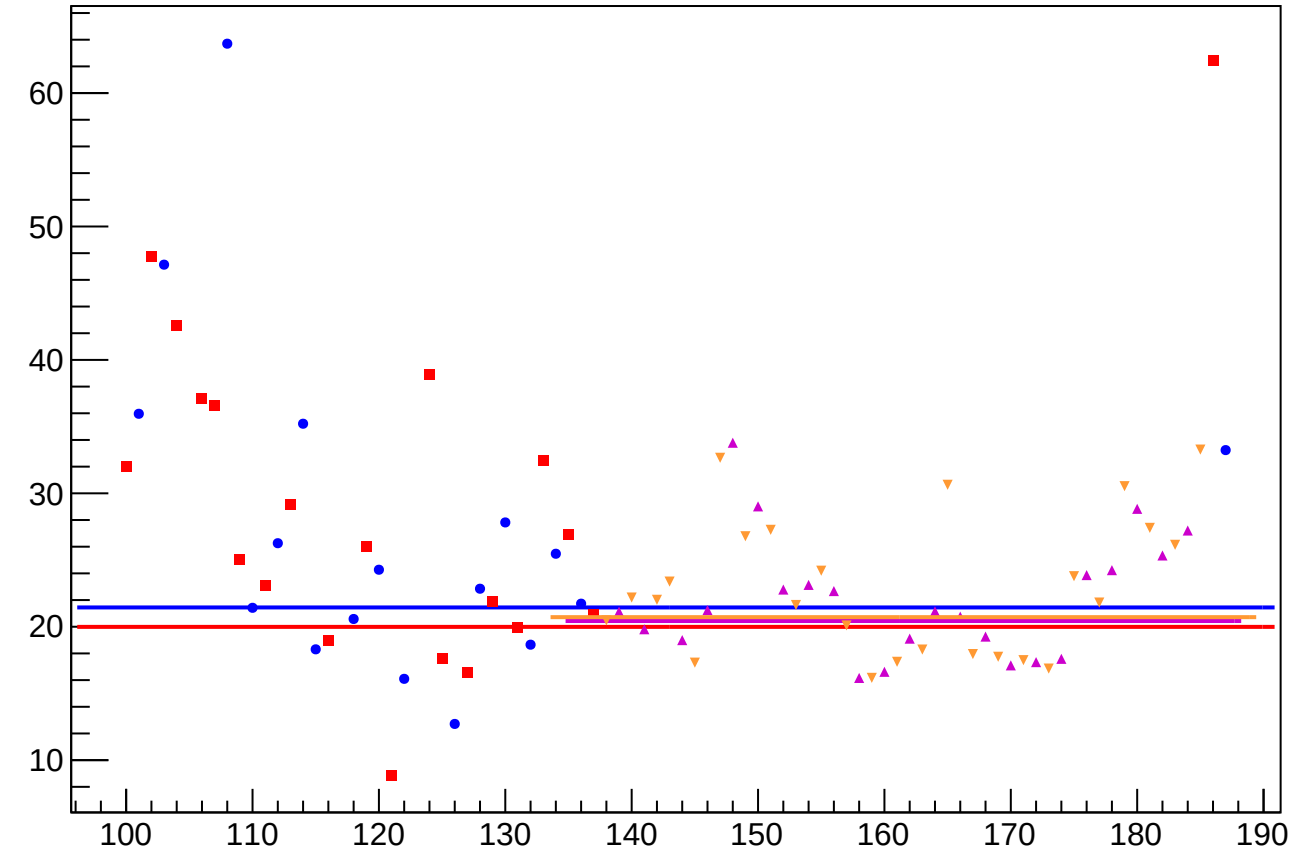
Right Out: 0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 63.1/41

All: 0.009+/-0.003 χ^2/NDF: 97.0/84

- sign 0.004+/-0.004 χ^2/NDF: 31.8/42



Right In: 21.446+/-0.006 χ^2/NDF: 1524618.2/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

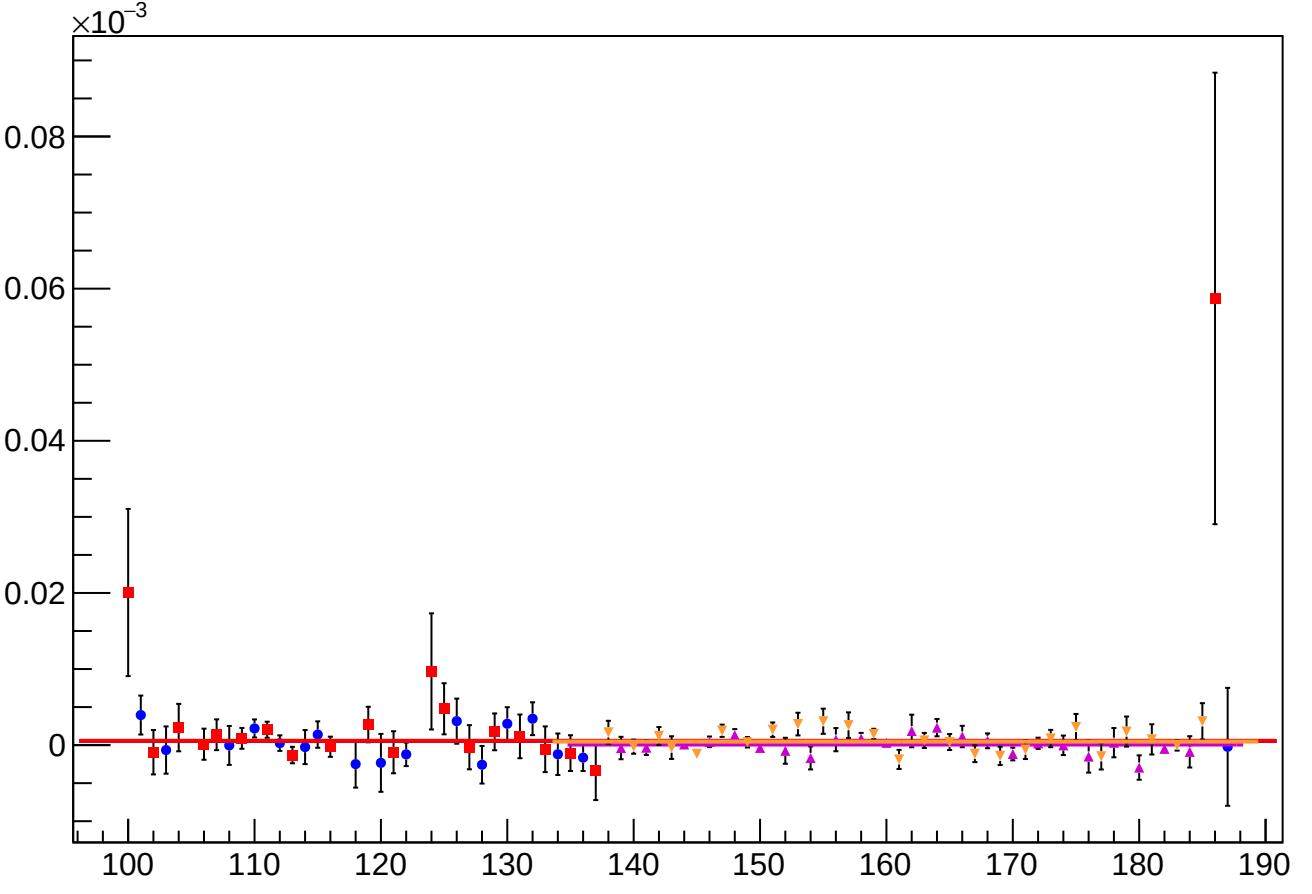
Right Out: 19.990+/-0.006 χ^2/NDF: 2808759.1/19

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.896+/-0.003 χ^2/NDF: 3041902.4/41

All: 20.603+/-0.002 χ^2/NDF: 7047855.8/84

- sign 20.312+/-0.003 χ^2/NDF: 3986921.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/19

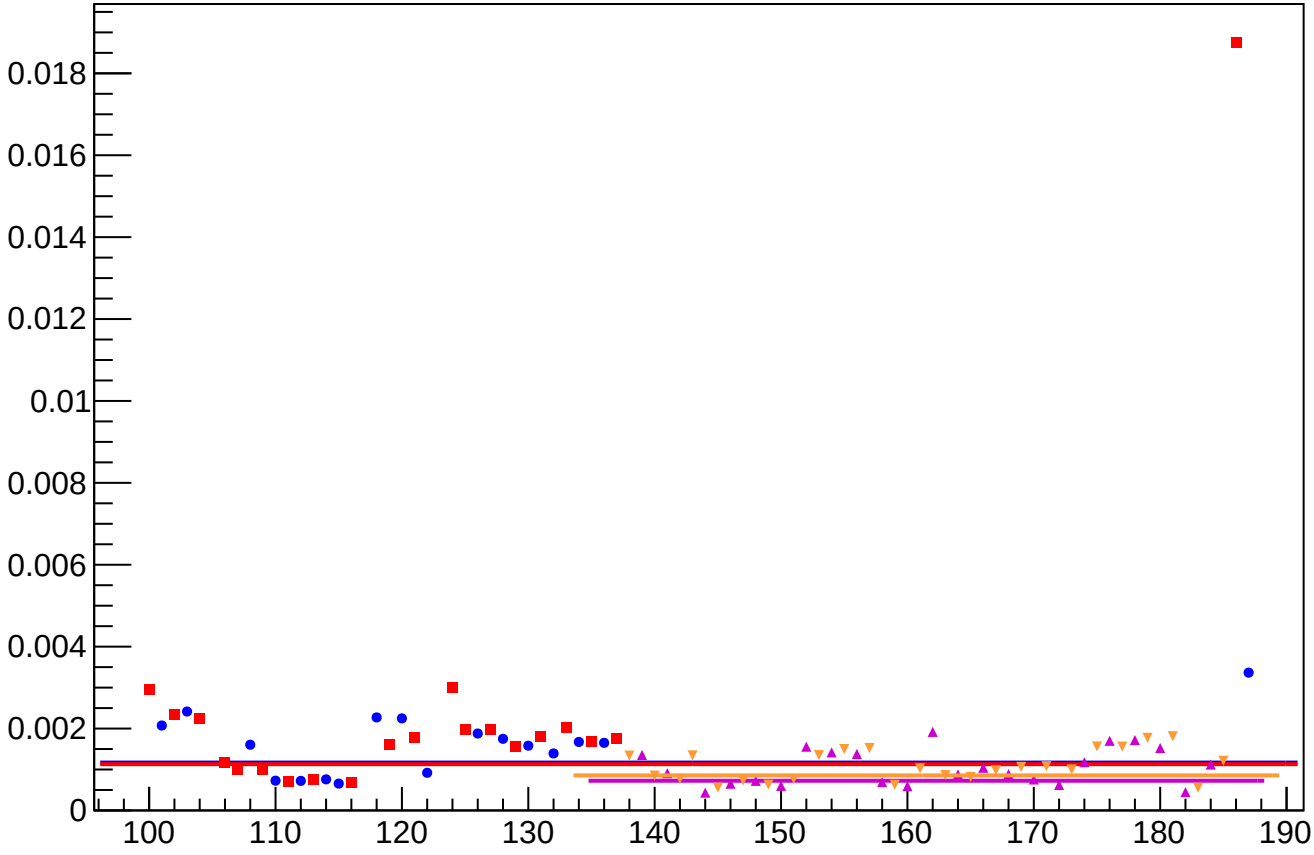
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/41

All: 0.000+/-0.000 χ^2/NDF: 92.5/84

- sign 0.000+/-0.000 χ^2/NDF: 39.7/42

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2695843.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

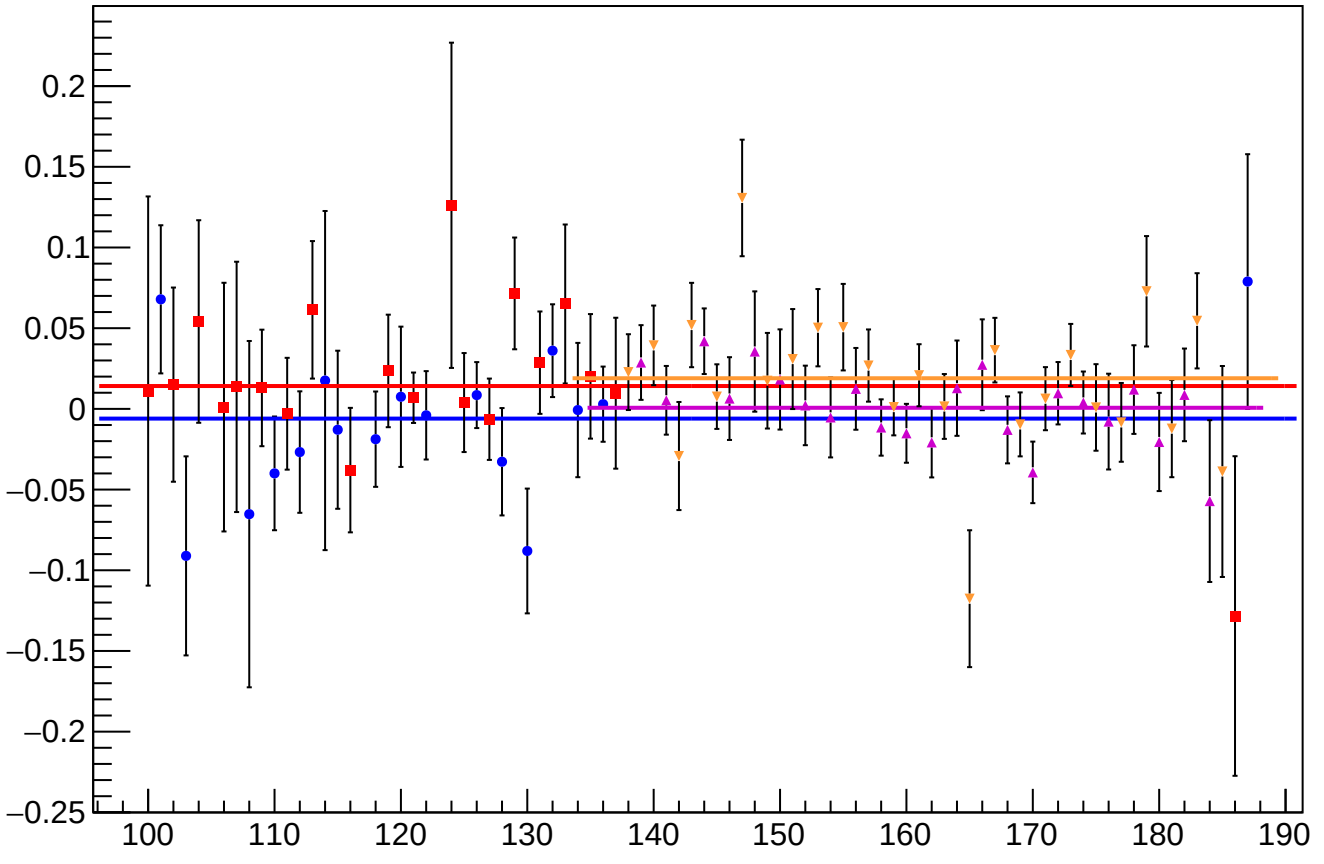
Right Out: 0.001+/-0.000 χ^2/NDF: 3329595.4/19

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 7851254.6/41

All: 0.001+/-0.000 χ^2/NDF: 18777904.9/84

- sign 0.001+/-0.000 χ^2/NDF: 10469397.7/42



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

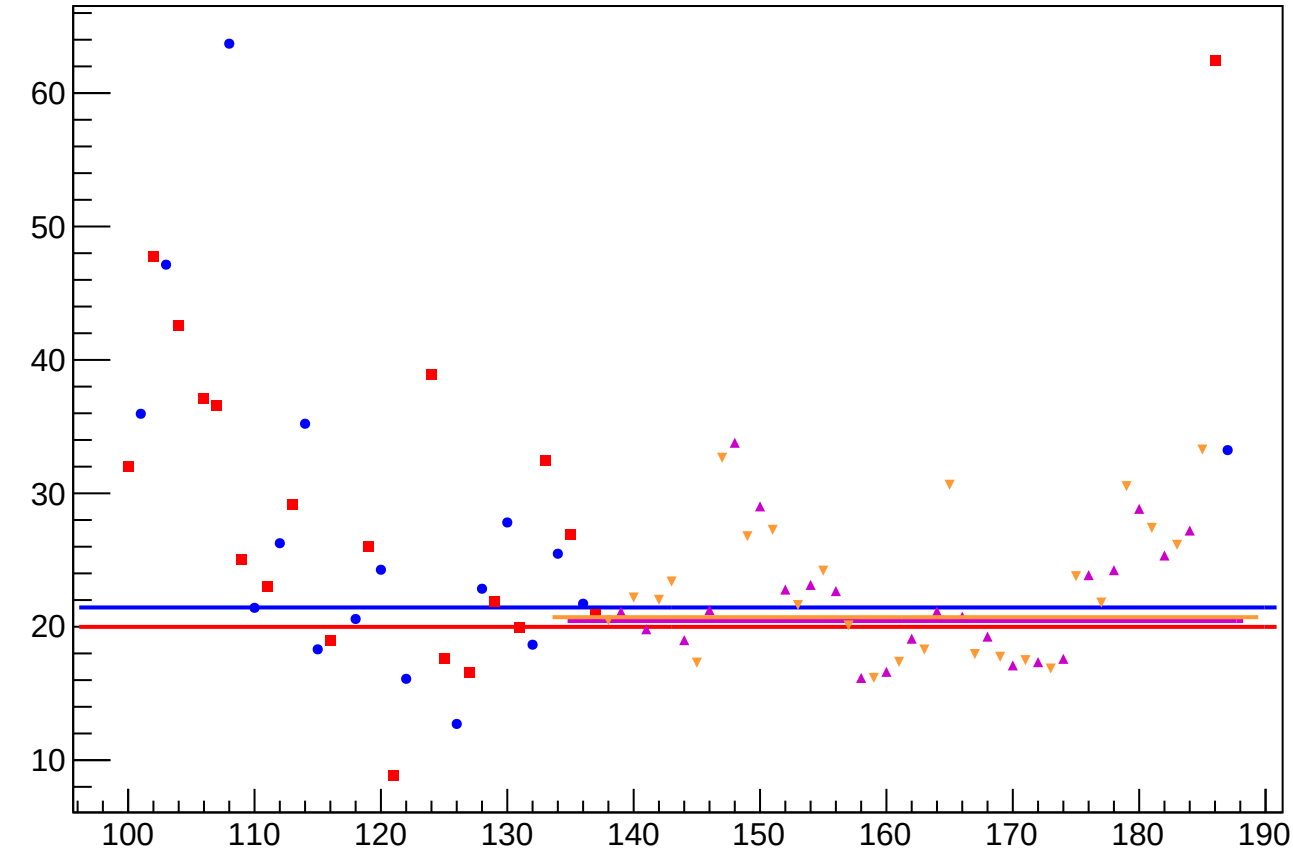
Right Out: 0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

\+ sign 0.013+/-0.004 χ^2/NDF: 63.1/41

All: 0.009+/-0.003 χ^2/NDF: 97.0/84

\- sign 0.004+/-0.004 χ^2/NDF: 31.8/42



Right In: 21.446+/-0.006 χ^2/NDF: 1524454.6/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

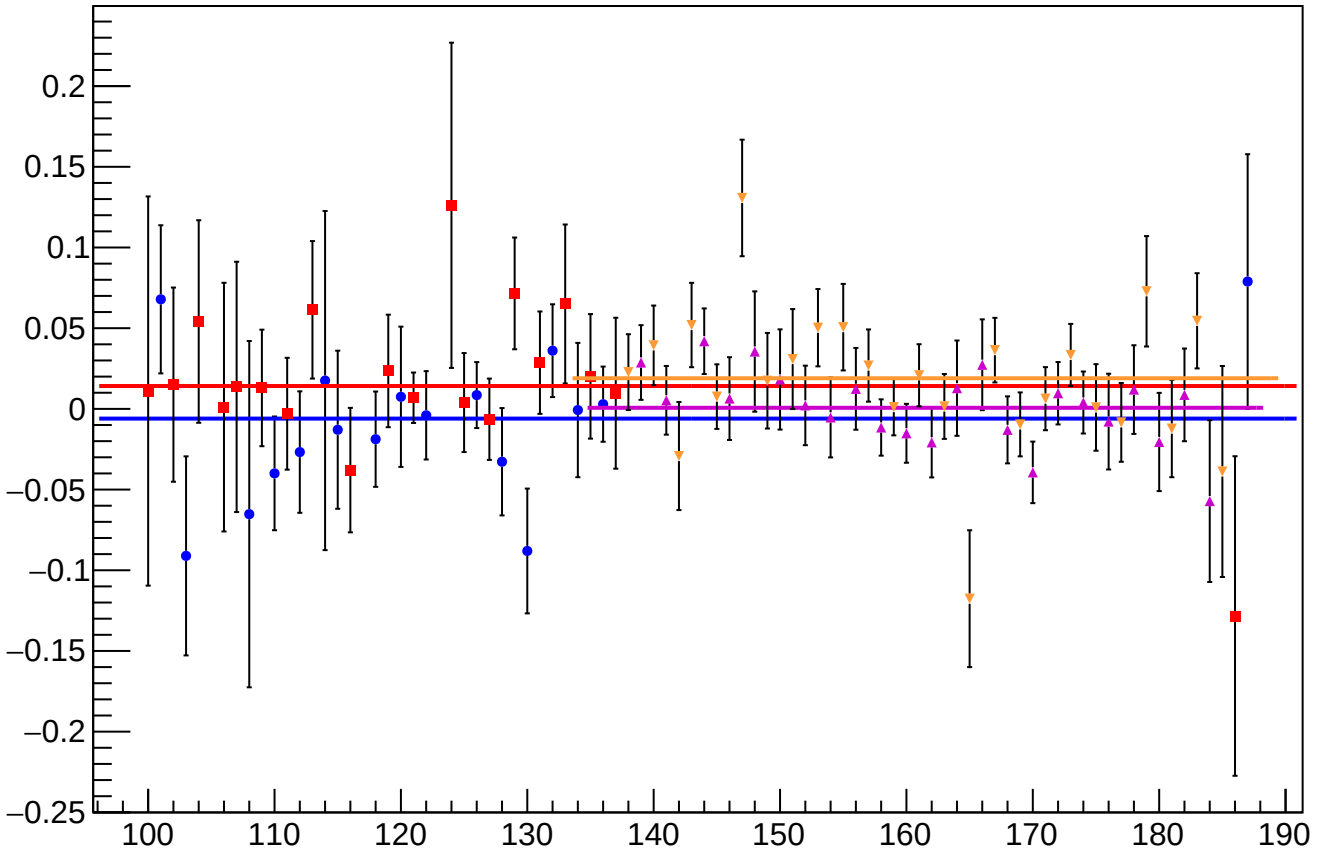
Right Out: 19.990+/-0.006 χ^2/NDF: 2808343.7/19

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.896+/-0.003 χ^2/NDF: 3041851.1/41

All: 20.603+/-0.002 χ^2/NDF: 7047411.4/84

- sign 20.312+/-0.003 χ^2/NDF: 3986539.6/42



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

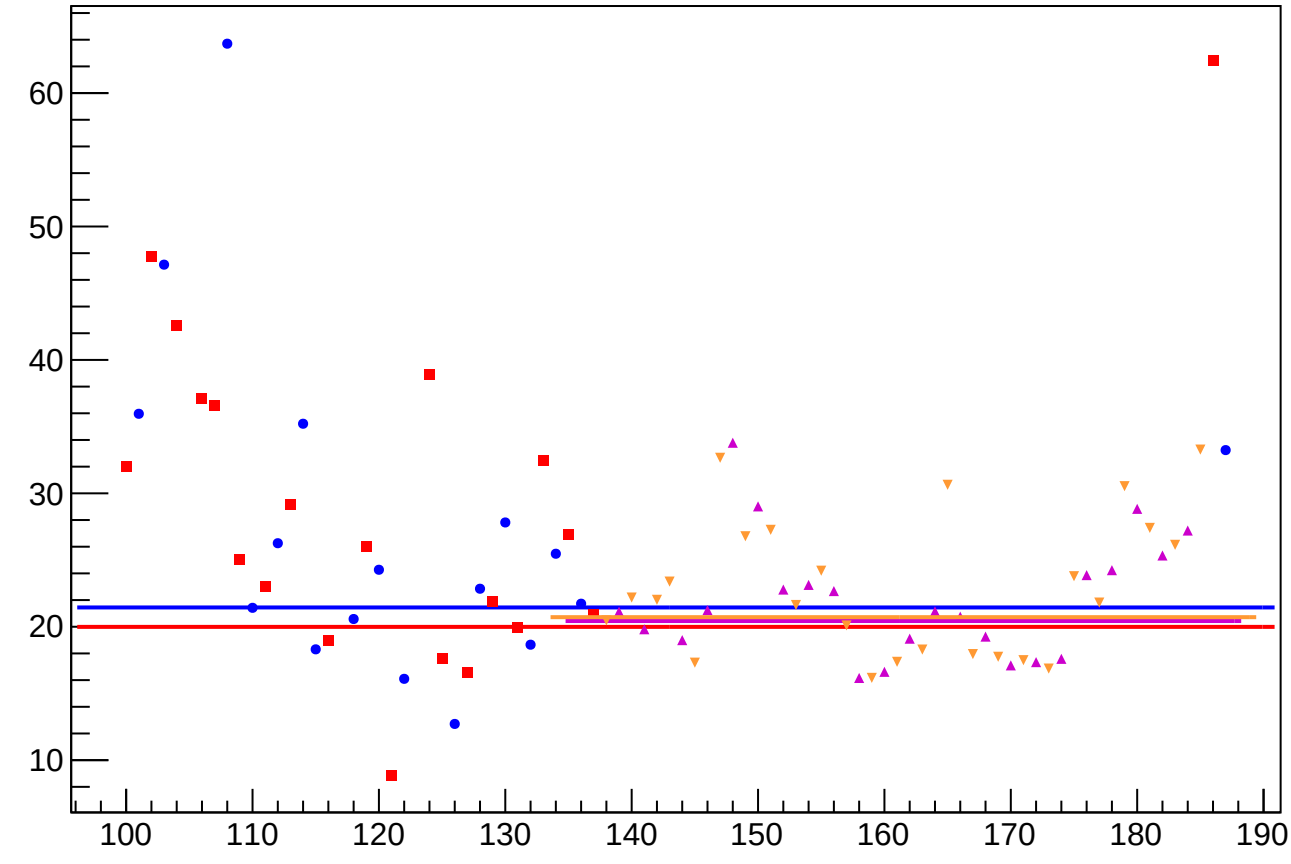
Right Out: 0.014+/-0.008 χ^2/NDF: 12.2/19

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.013+/-0.004 χ^2/NDF: 63.1/41

All: 0.009+/-0.003 χ^2/NDF: 97.0/84

- sign 0.004+/-0.004 χ^2/NDF: 31.8/42



Right In: 21.446+/-0.006 χ^2/NDF: 1524454.6/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

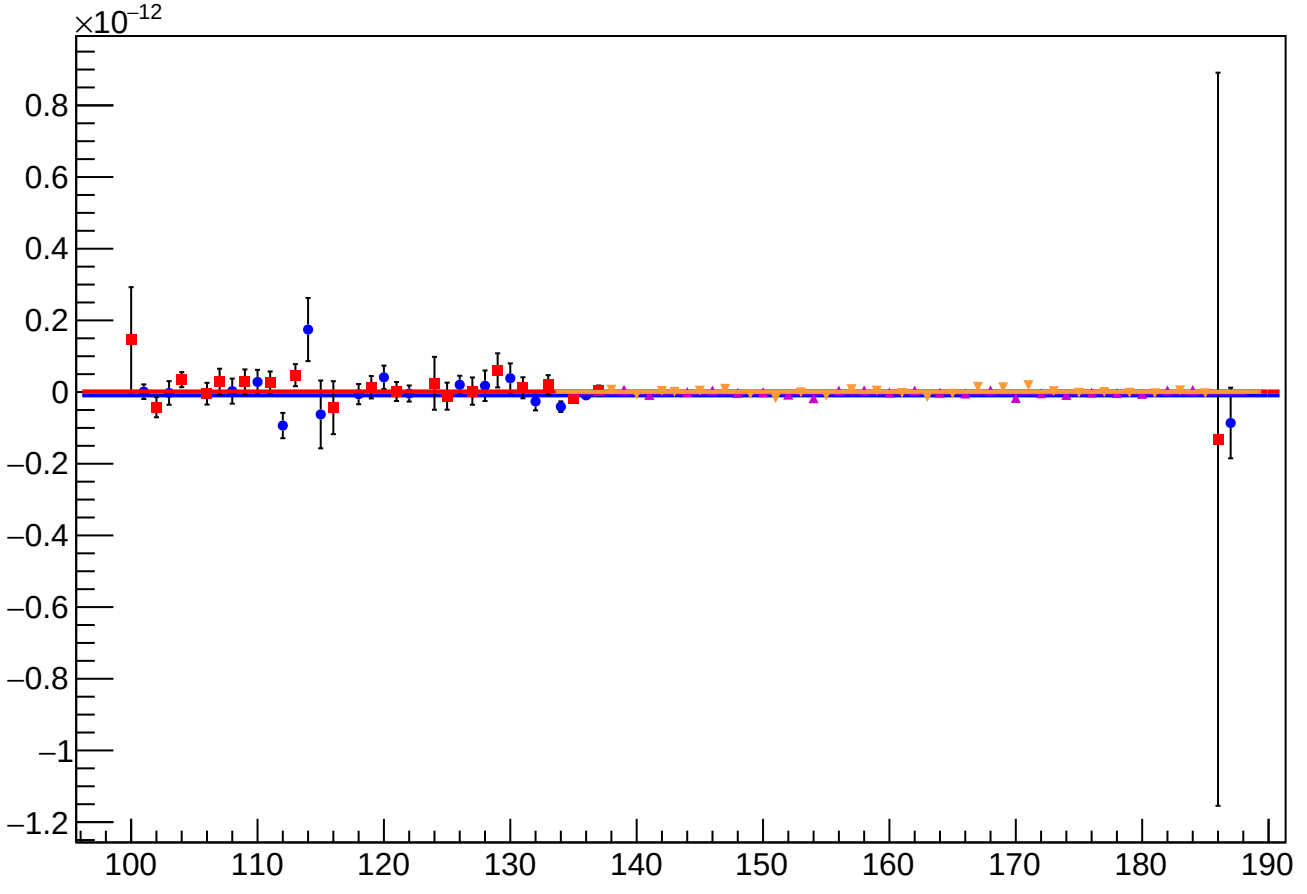
Right Out: 19.990+/-0.006 χ^2/NDF: 2808343.7/19

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.896+/-0.003 χ^2/NDF: 3041851.1/41

All: 20.603+/-0.002 χ^2/NDF: 7047411.4/84

- sign 20.312+/-0.003 χ^2/NDF: 3986539.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

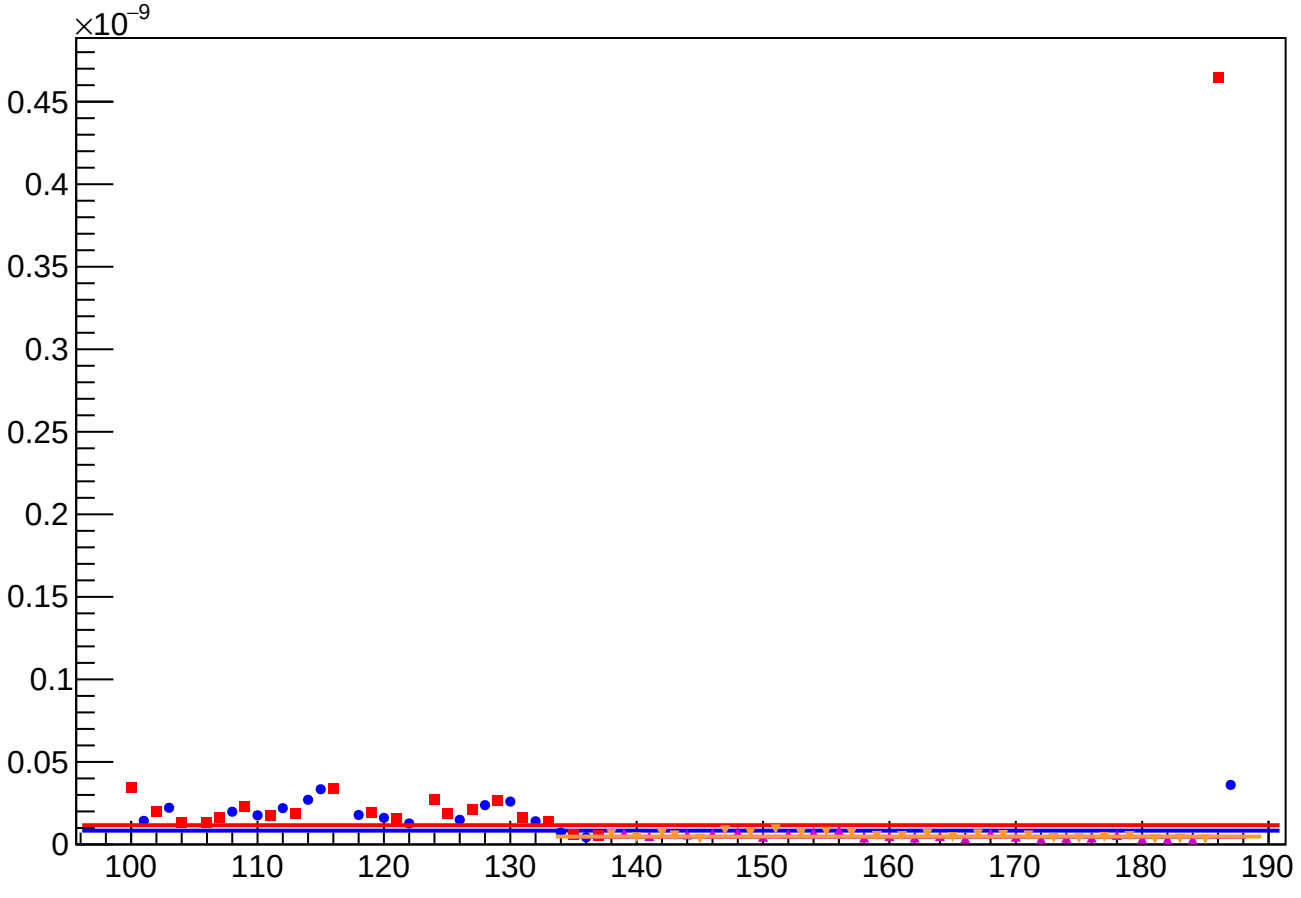
Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/19

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.6/41

All: -0.000+/-0.000 χ^2/NDF: 95.0/84

- sign -0.000+/-0.000 χ^2/NDF: 37.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 3890456.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3003369.6/19

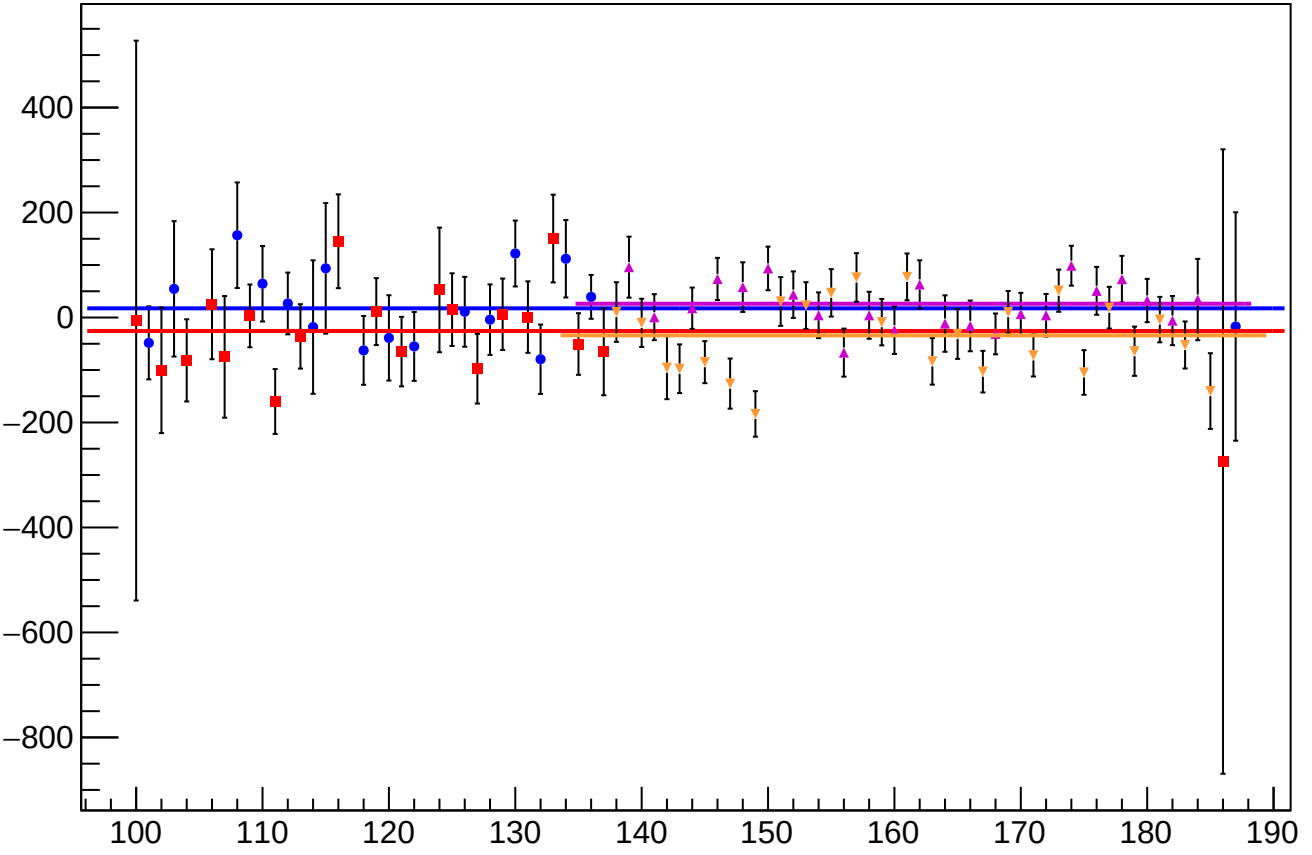
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7176063.0/41

All: 0.000+/-0.000 χ^2/NDF: 14993471.2/84

- sign 0.000+/-0.000 χ^2/NDF: 7811104.1/42

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 17.478+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.652+/-17.329 χ^2/NDF: 18.0/19

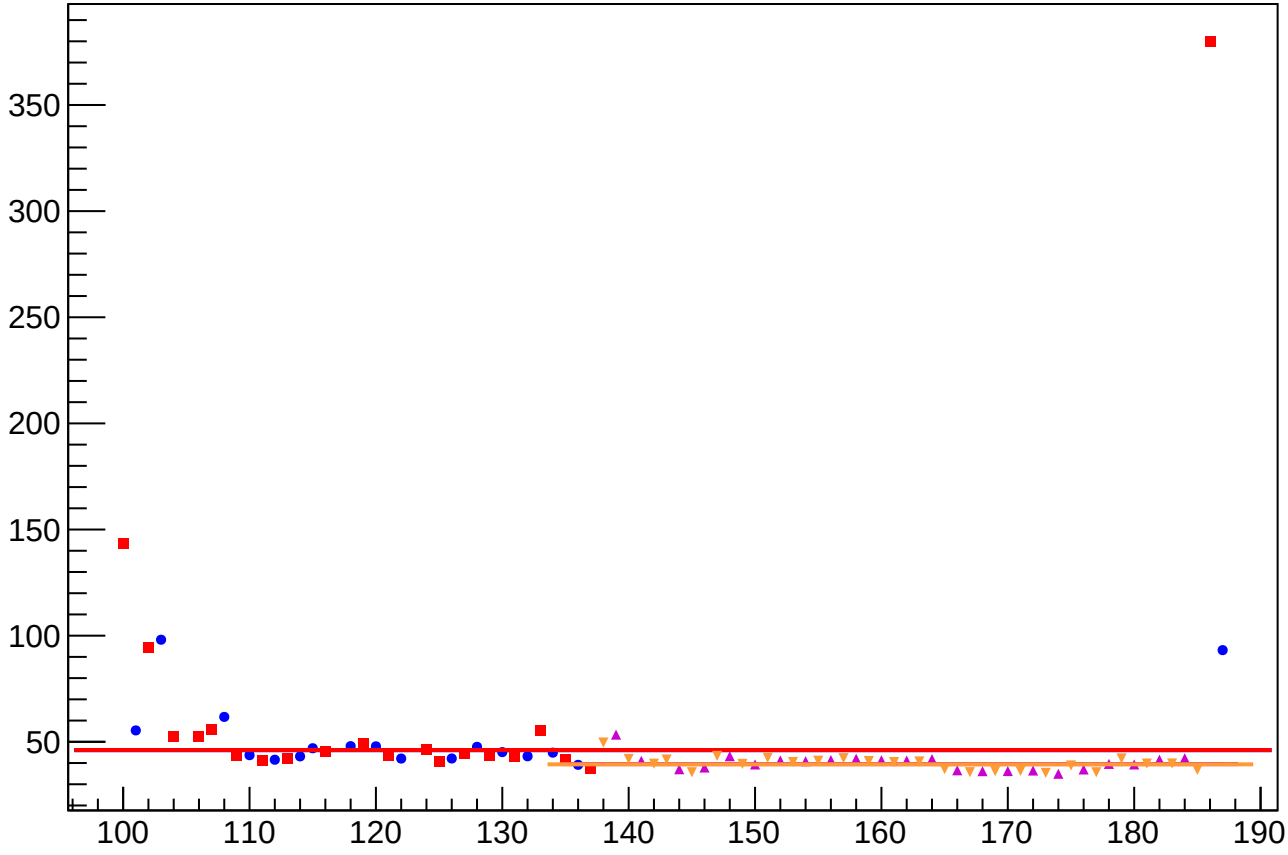
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.126+/-7.991 χ^2/NDF: 79.6/41

All: -4.638+/-5.714 χ^2/NDF: 138.0/84

- sign 14.713+/-8.175 χ^2/NDF: 47.5/42

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 46.030+/-0.012 χ^2/NDF: 595935.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

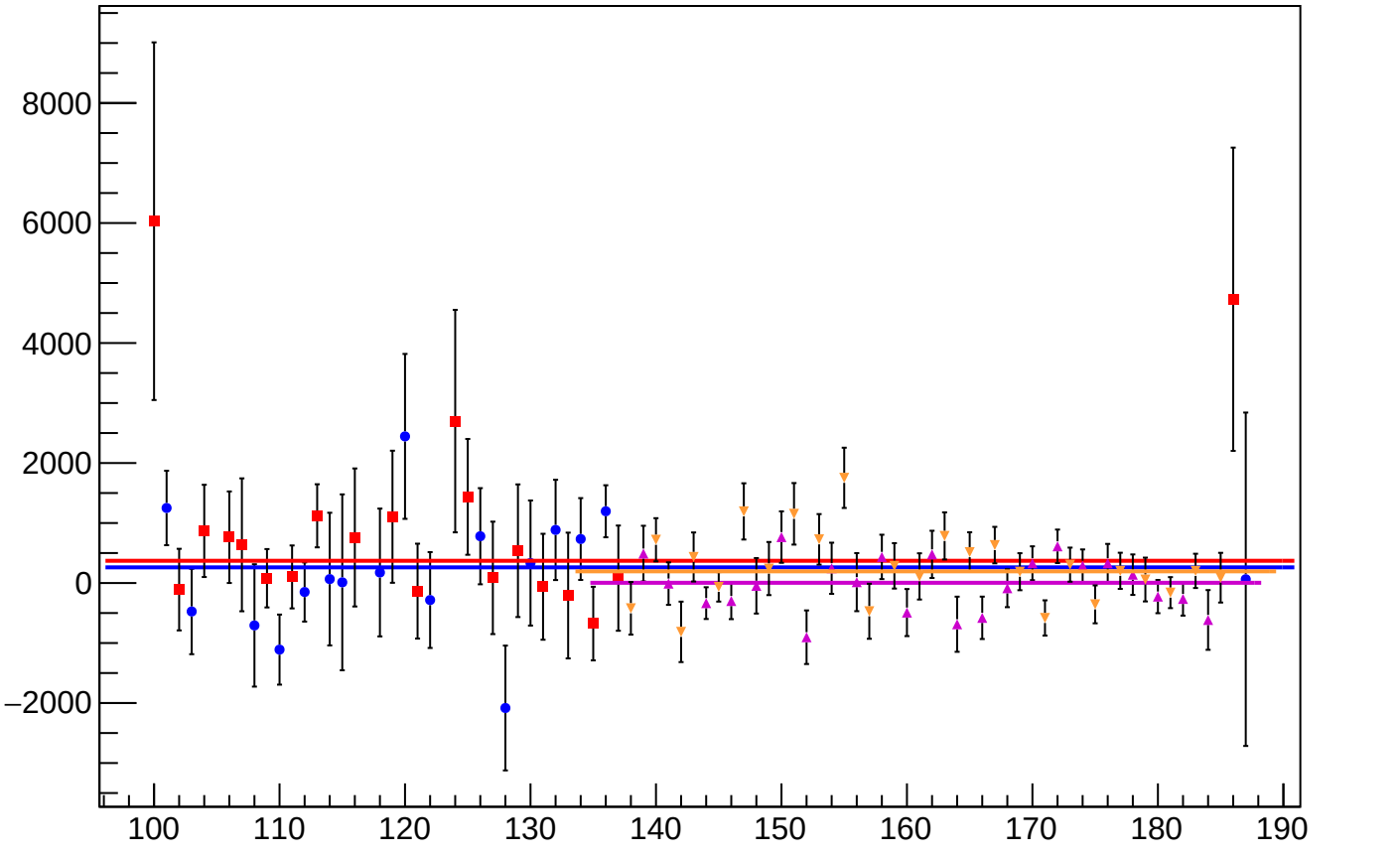
Right Out: 46.133+/-0.012 χ^2/NDF: 1170242.1/19

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.782+/-0.006 χ^2/NDF: 1054839.7/41

All: 40.874+/-0.004 χ^2/NDF: 2705828.0/84

- sign 40.969+/-0.006 χ^2/NDF: 1650455.5/42



Right In: 261.063+/-184.801 χ^2/NDF: 25.0/16

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 370.966+/-180.222 χ^2/NDF: 17.9/19

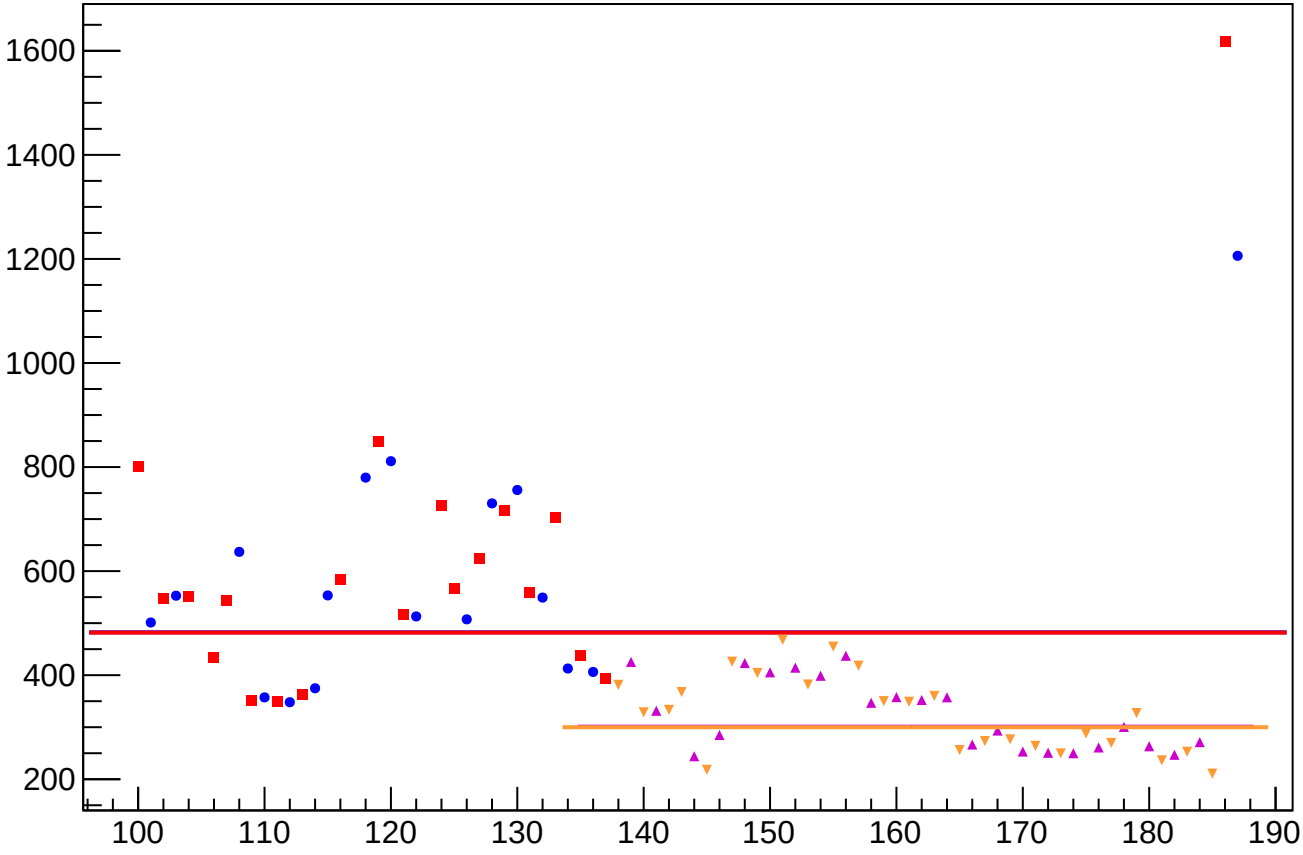
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 203.334+/-65.537 χ^2/NDF: 73.7/41

All: 130.388+/-46.798 χ^2/NDF: 130.1/84

- sign 54.498+/-66.846 χ^2/NDF: 53.9/42

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 482.393+/-0.131 χ^2/NDF: 1088965.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 481.799+/-0.127 χ^2/NDF: 1412649.8/19

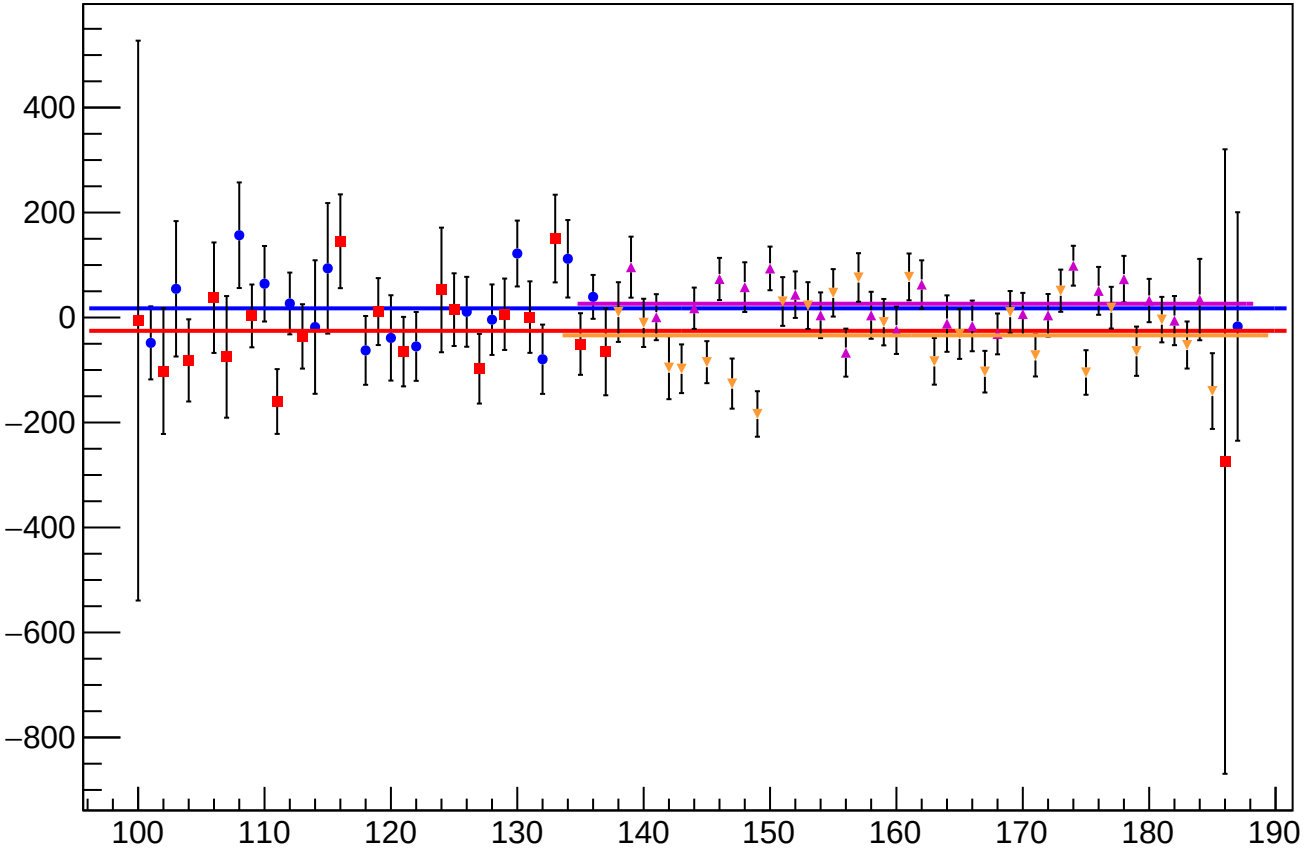
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 322.918+/-0.046 χ^2/NDF: 4601076.1/41

All: 324.366+/-0.033 χ^2/NDF: 9158830.1/84

- sign 325.873+/-0.047 χ^2/NDF: 4555761.6/42

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.483+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

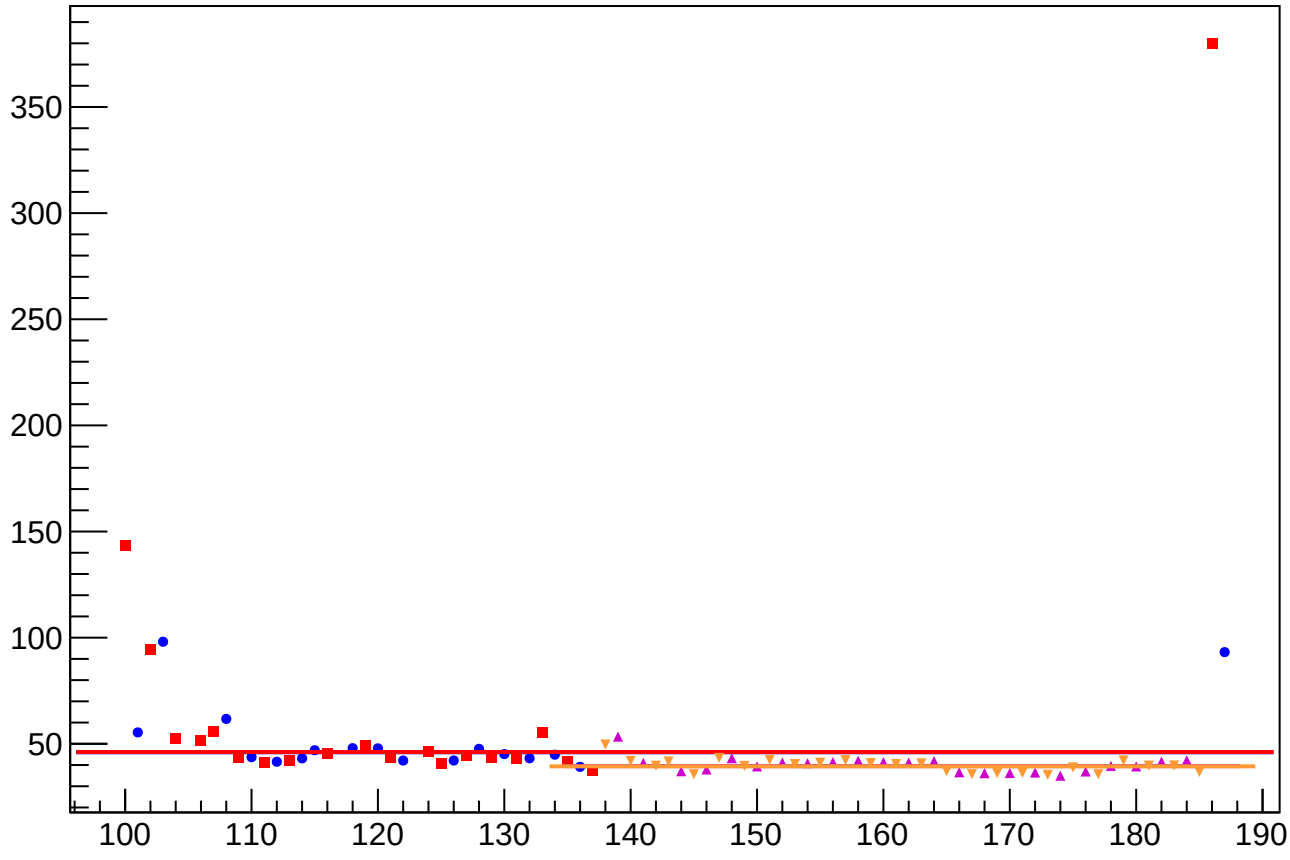
Right Out: -25.356+/-17.332 χ^2/NDF: 18.2/19

Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

\+ sign -23.124+/-7.991 χ^2/NDF: 79.6/41

All: -4.604+/-5.714 χ^2/NDF: 138.1/84

\- sign 14.781+/-8.175 χ^2/NDF: 47.5/42



Right In: 46.030+/-0.012 χ^2/NDF: 595938.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

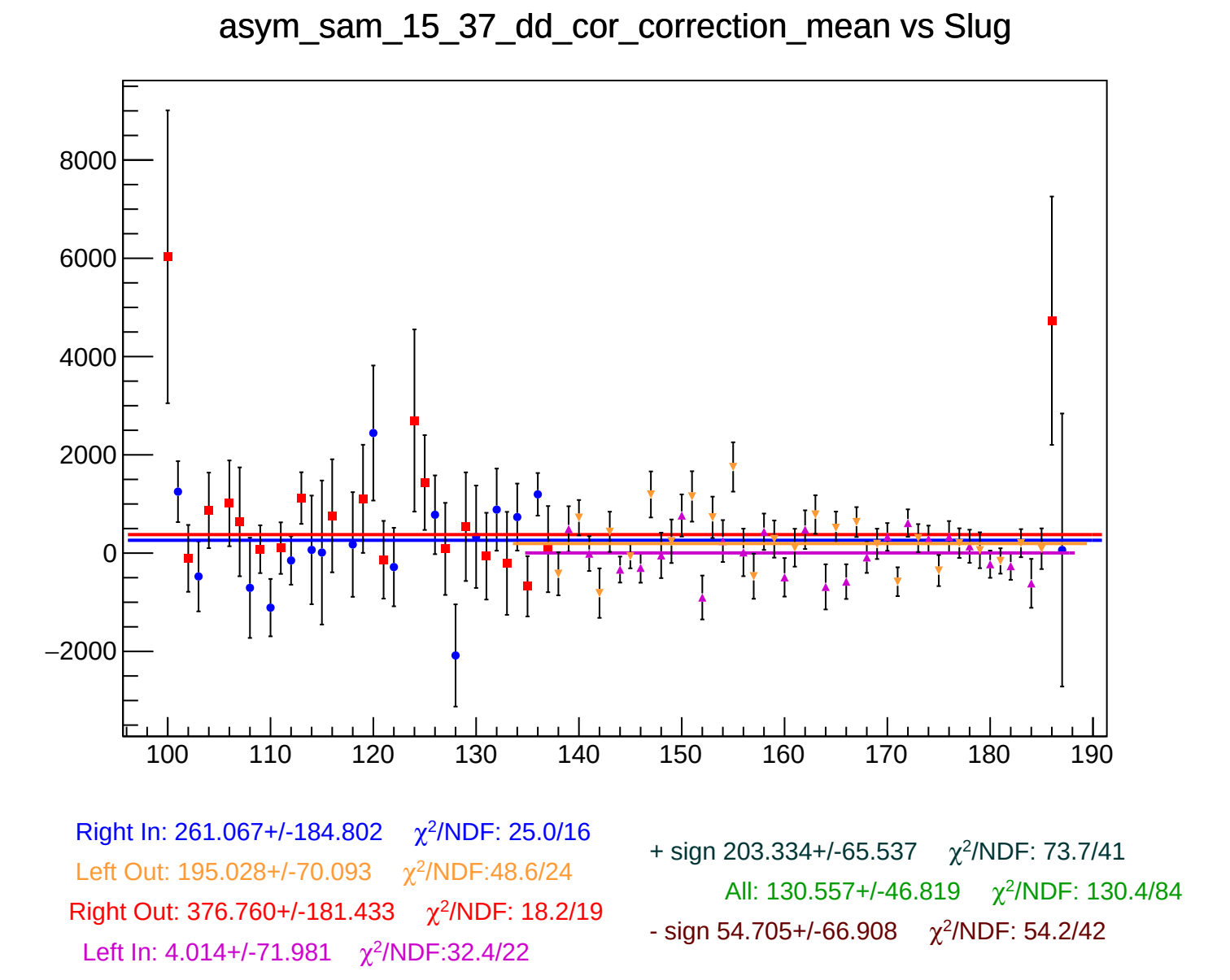
Right Out: 46.109+/-0.012 χ^2/NDF: 1168645.8/19

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

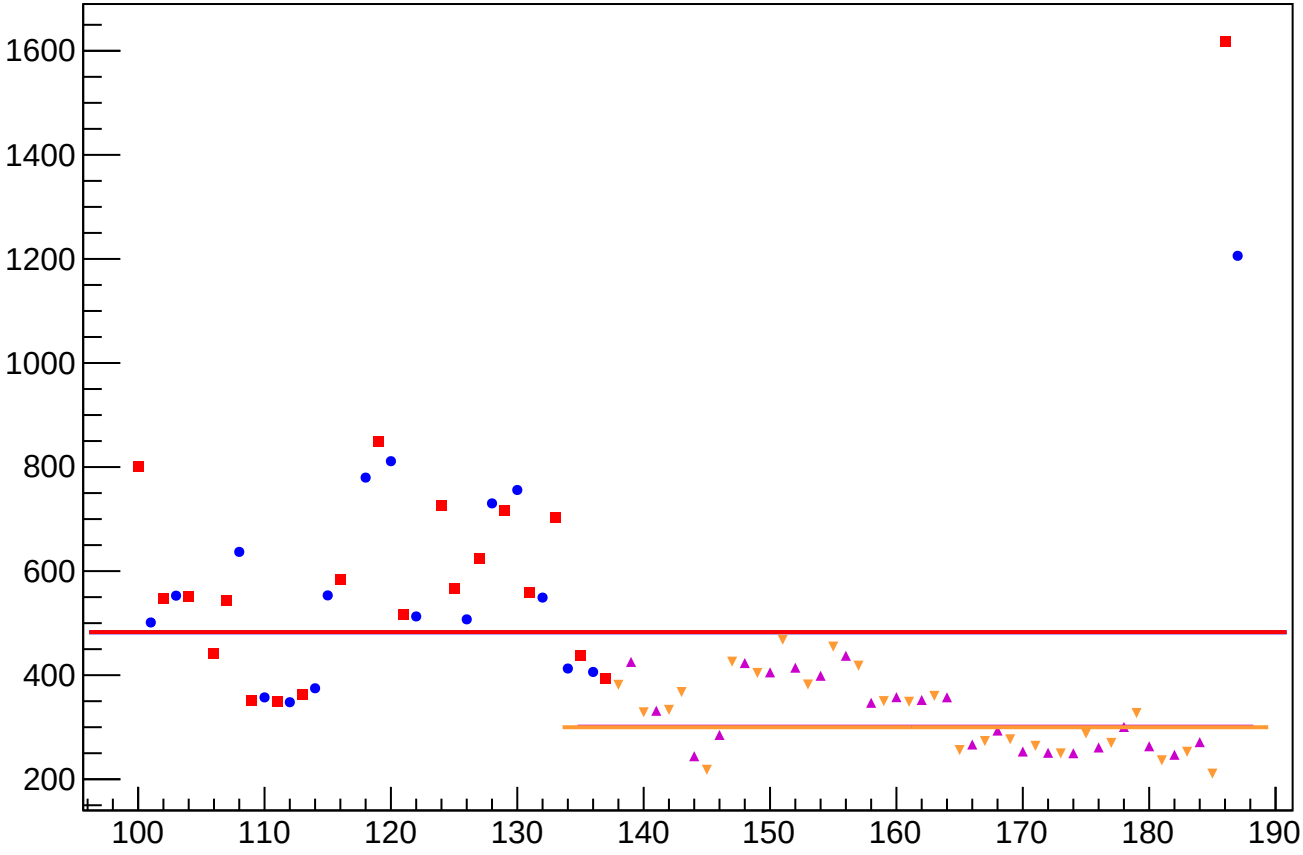
+ sign 40.782+/-0.006 χ^2/NDF: 1054842.6/41

All: 40.871+/-0.004 χ^2/NDF: 2702525.4/84

- sign 40.963+/-0.006 χ^2/NDF: 1647181.4/42


asym_sam_15_37_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 261.067+/-184.802 χ²/NDF: 25.0/16
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 376.760+/-181.433 χ²/NDF: 18.2/19
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 203.334+/-65.537 χ²/NDF: 73.7/41
All: 130.557+/-46.819 χ²/NDF: 130.4/84
- sign 54.705+/-66.908 χ²/NDF: 54.2/42

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 482.395+/-0.131 χ^2/NDF: 1088993.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 482.773+/-0.128 χ^2/NDF: 1409259.7/19

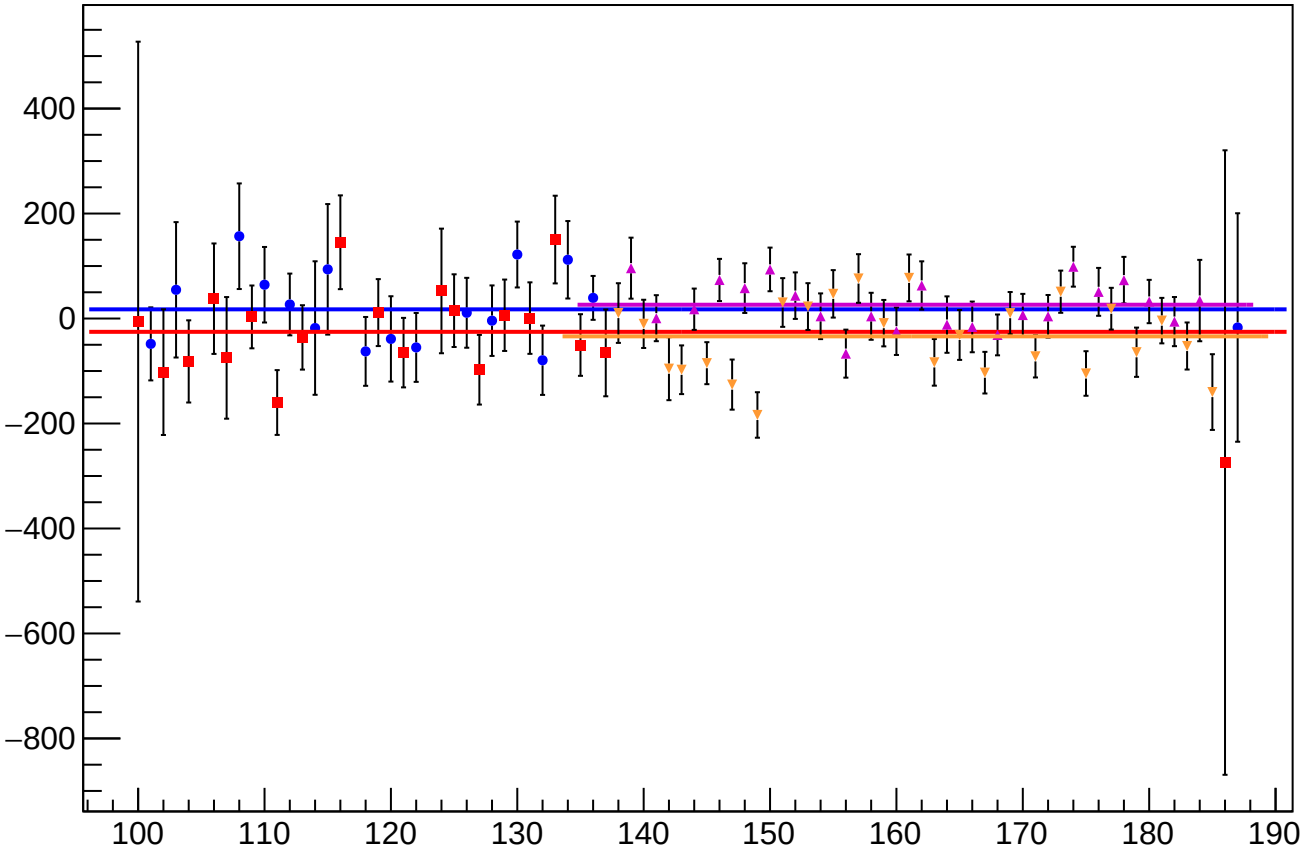
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 322.919+/-0.046 χ^2/NDF: 4601119.9/41

All: 324.290+/-0.033 χ^2/NDF: 9153880.7/84

- sign 325.720+/-0.047 χ^2/NDF: 4550971.9/42

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 17.483+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

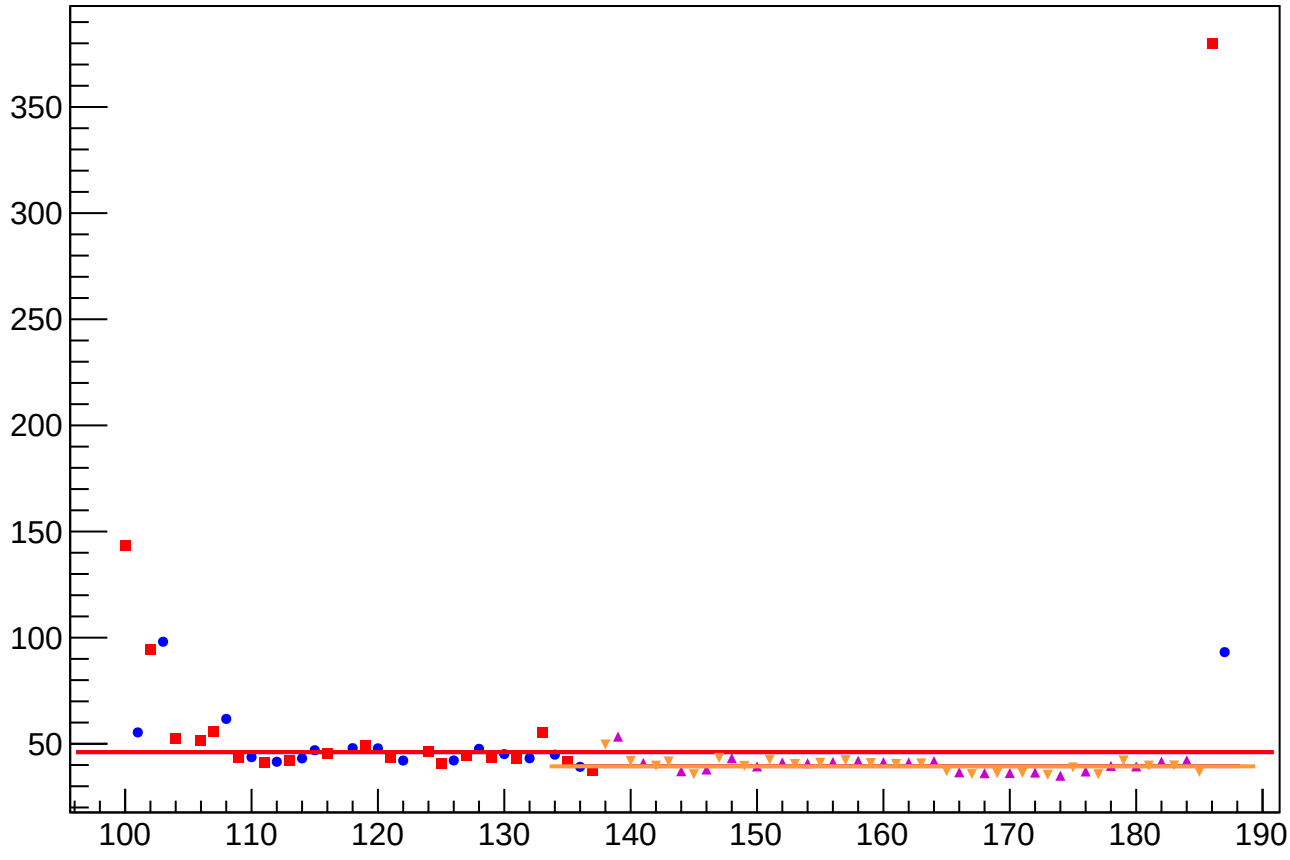
Right Out: -25.356+/-17.332 χ^2/NDF: 18.2/19

Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -23.124+/-7.991 χ^2/NDF: 79.6/41

All: -4.604+/-5.714 χ^2/NDF: 138.1/84

- sign 14.781+/-8.175 χ^2/NDF: 47.5/42



Right In: 46.030+/-0.012 χ^2/NDF: 595938.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

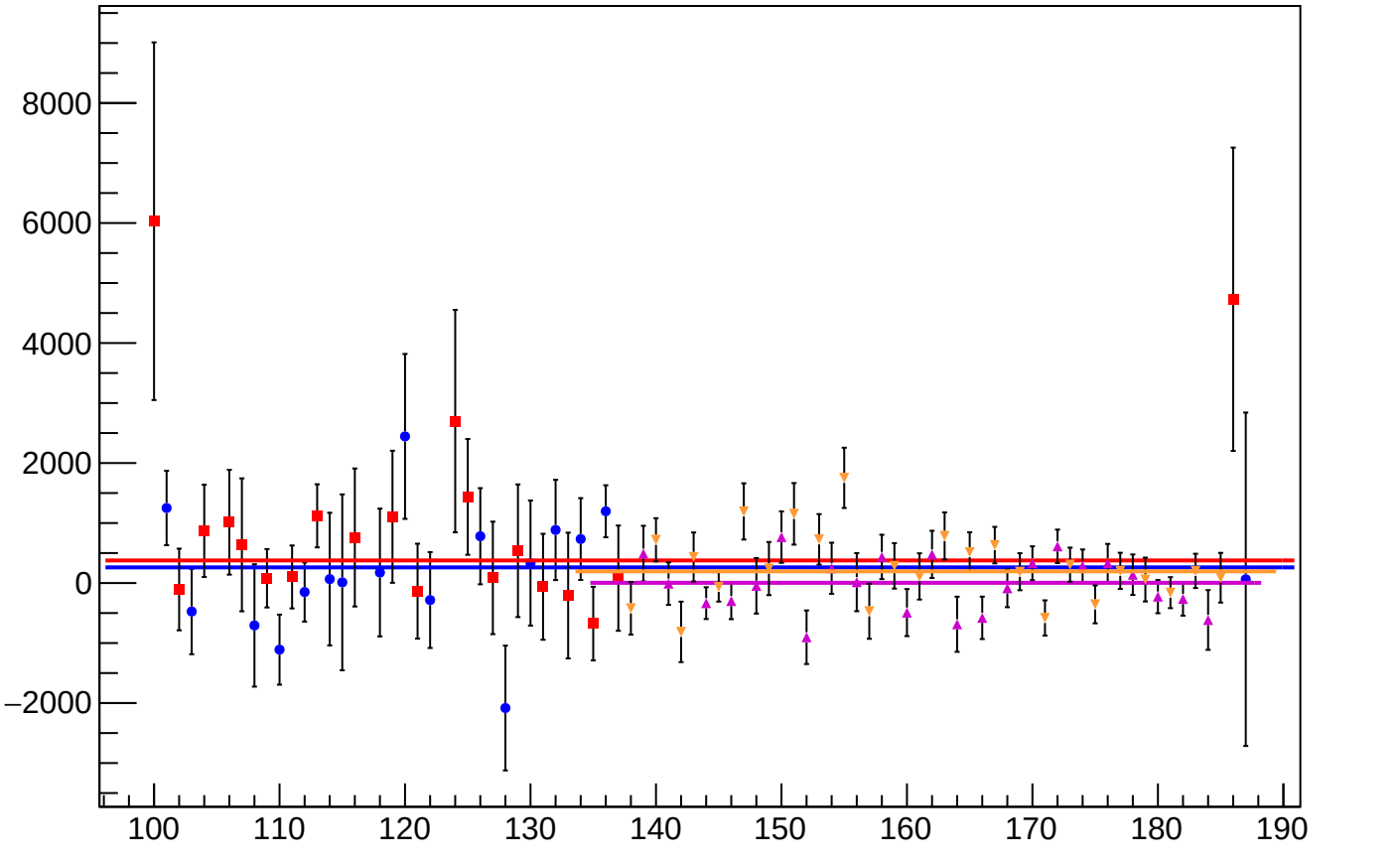
Right Out: 46.109+/-0.012 χ^2/NDF: 1168645.8/19

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 40.782+/-0.006 χ^2/NDF: 1054842.6/41

All: 40.871+/-0.004 χ^2/NDF: 2702525.4/84

- sign 40.963+/-0.006 χ^2/NDF: 1647181.4/42



Right In: 261.067+/-184.802 χ^2/NDF: 25.0/16

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

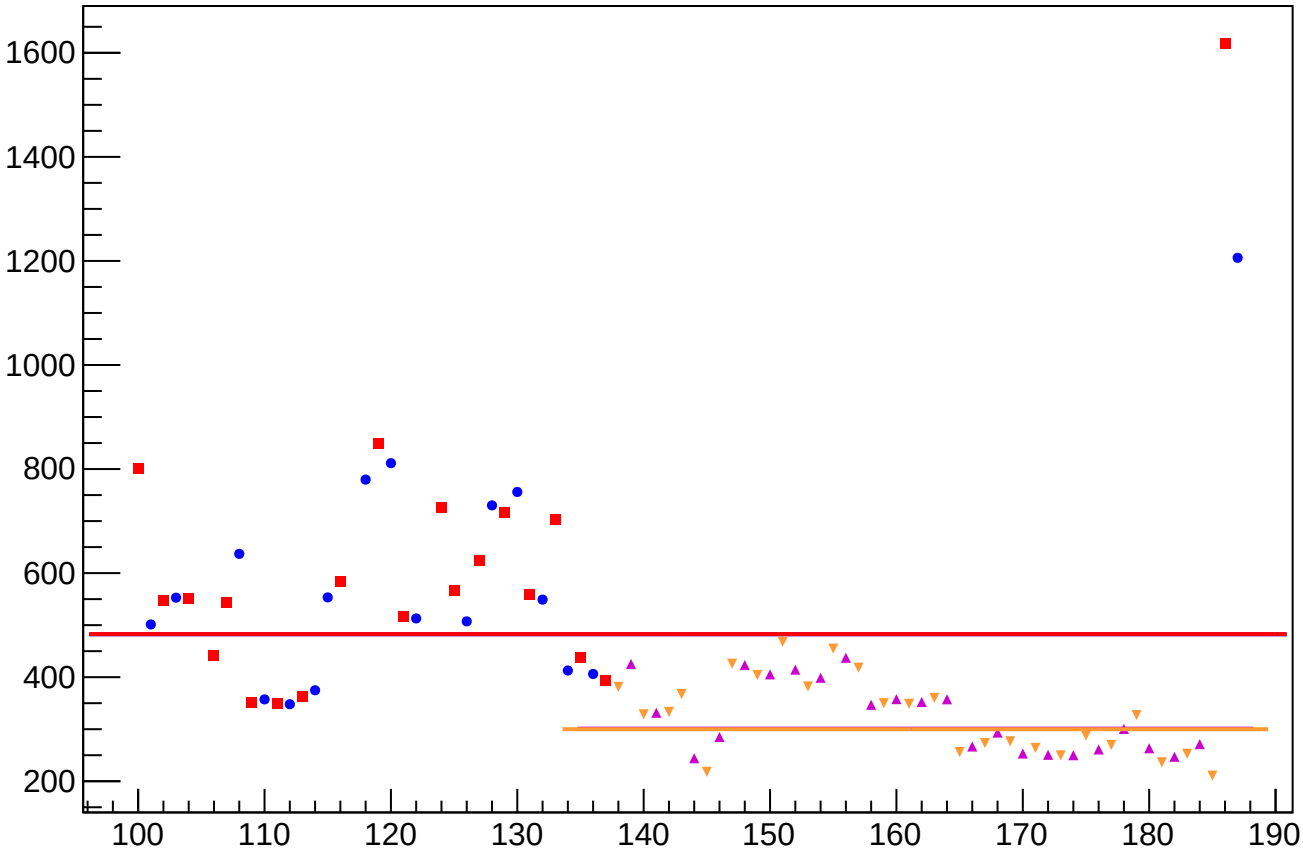
Right Out: 376.760+/-181.433 χ^2/NDF: 18.2/19

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 203.334+/-65.537 χ^2/NDF: 73.7/41

All: 130.557+/-46.819 χ^2/NDF: 130.4/84

- sign 54.705+/-66.908 χ^2/NDF: 54.2/42



Right In: 482.395+/-0.131 χ^2/NDF: 1088993.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 482.773+/-0.128 χ^2/NDF: 1409259.7/19

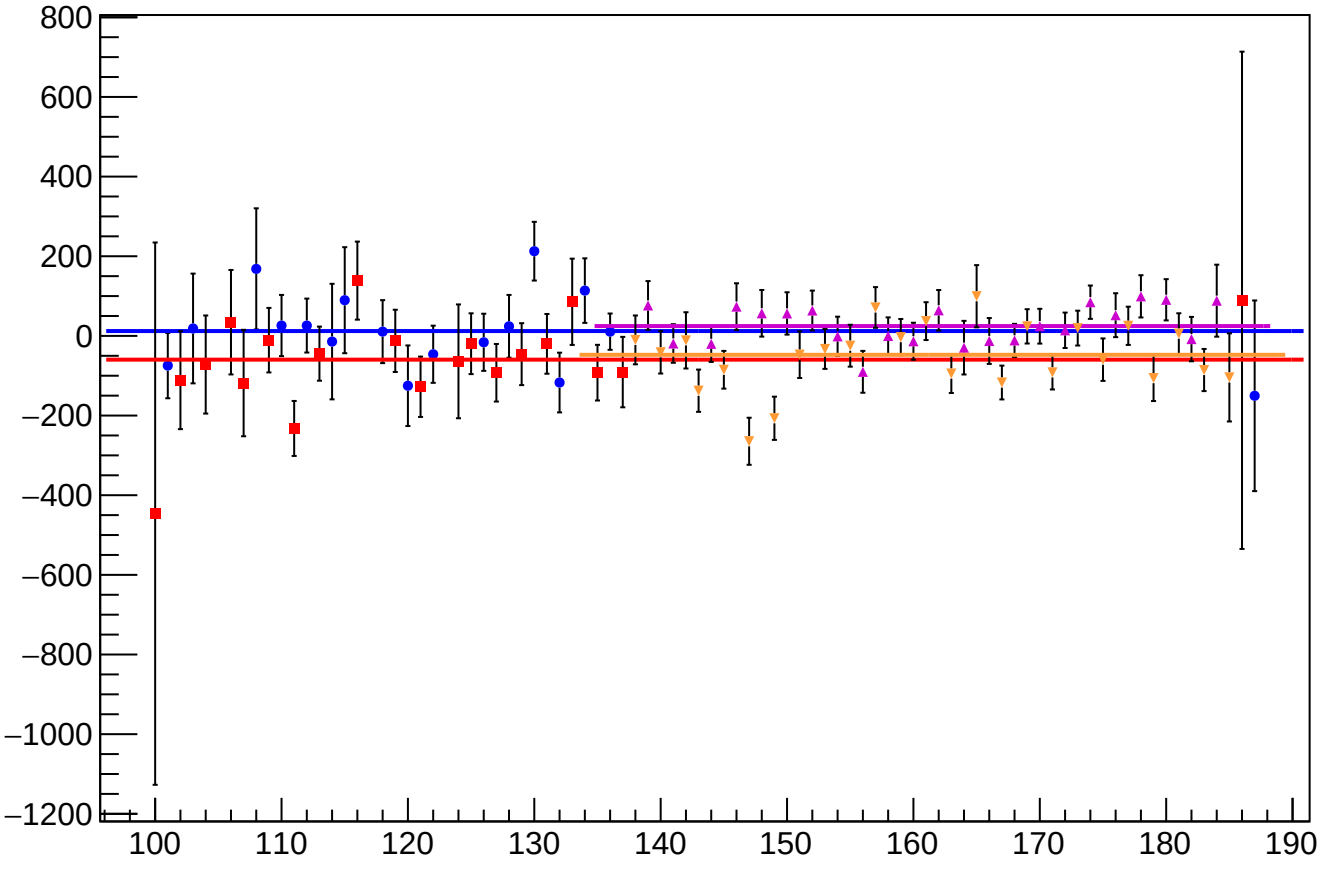
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 322.919+/-0.046 χ^2/NDF: 4601119.9/41

All: 324.290+/-0.033 χ^2/NDF: 9153880.7/84

- sign 325.720+/-0.047 χ^2/NDF: 4550971.9/42

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 12.148+/-19.781 χ^2/NDF: 17.7/16

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.654+/-20.223 χ^2/NDF: 16.2/19

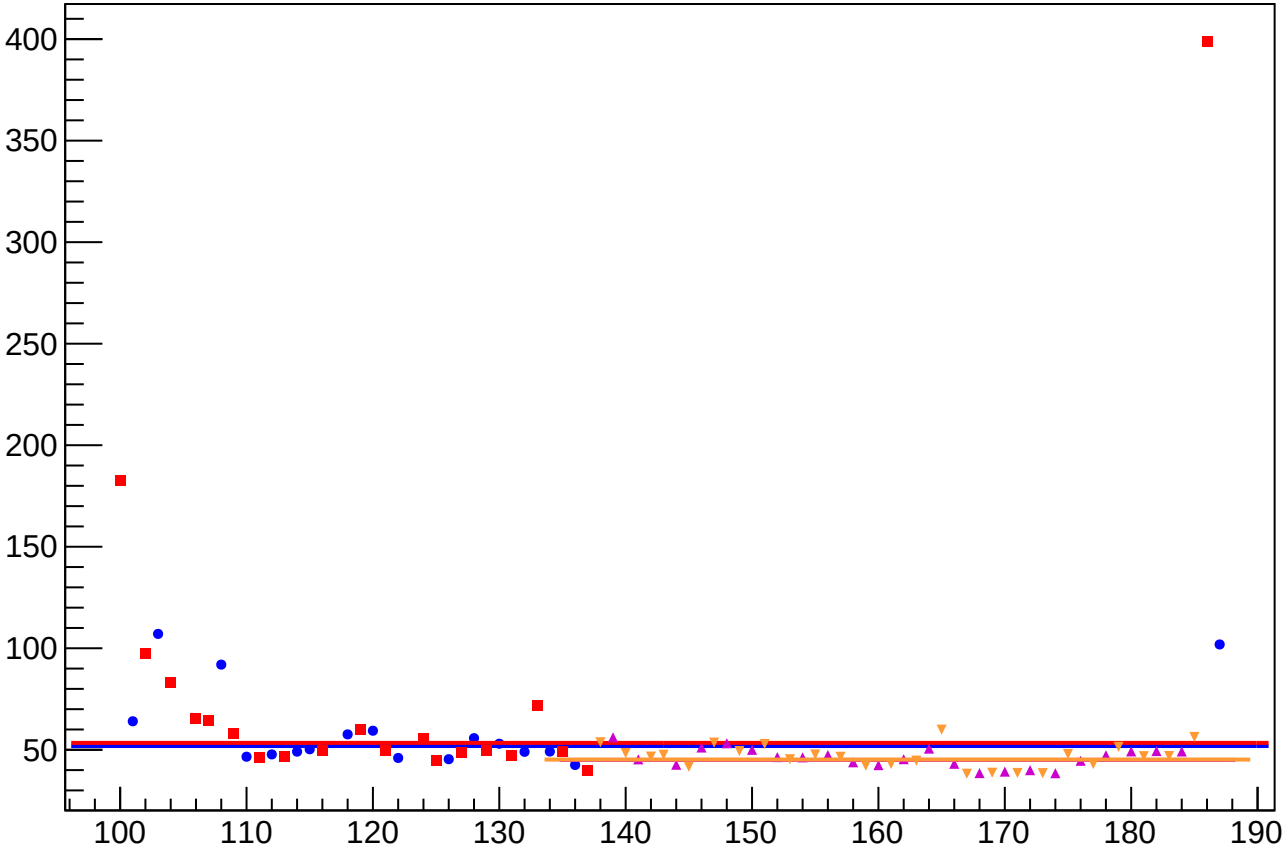
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.582+/-9.200 χ^2/NDF: 79.5/41

All: -14.623+/-6.585 χ^2/NDF: 138.6/84

- sign 6.349+/-9.430 χ^2/NDF: 49.5/42

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.850+/-0.014 χ^2/NDF: 755003.0/16

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 53.400+/-0.014 χ^2/NDF: 1325722.2/19

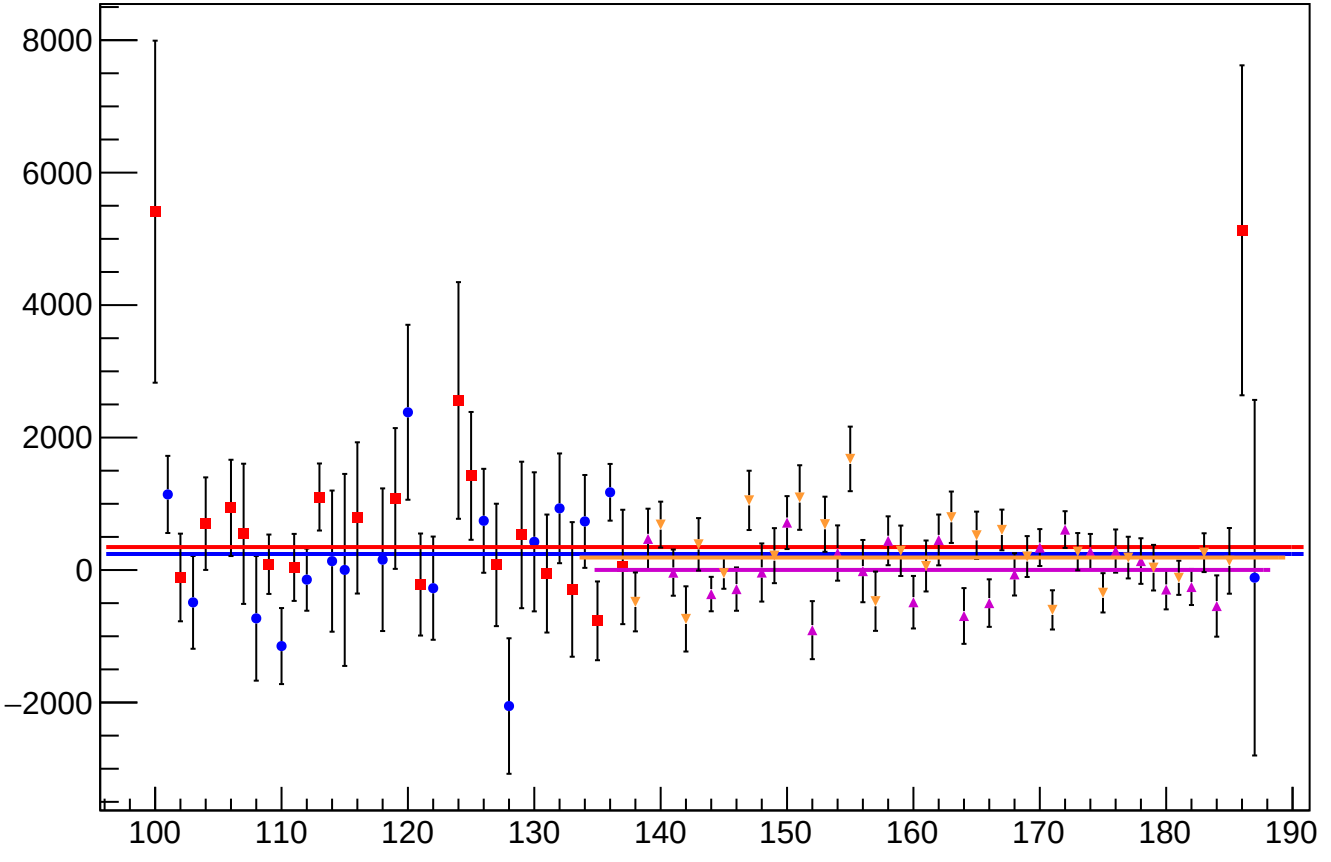
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 46.619+/-0.007 χ^2/NDF: 1423311.3/41

All: 46.727+/-0.005 χ^2/NDF: 3391211.2/84

- sign 46.840+/-0.007 χ^2/NDF: 1967335.2/42

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 242.202+/-180.463 χ^2/NDF: 25.6/16

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 346.865+/-173.211 χ^2/NDF: 20.2/19

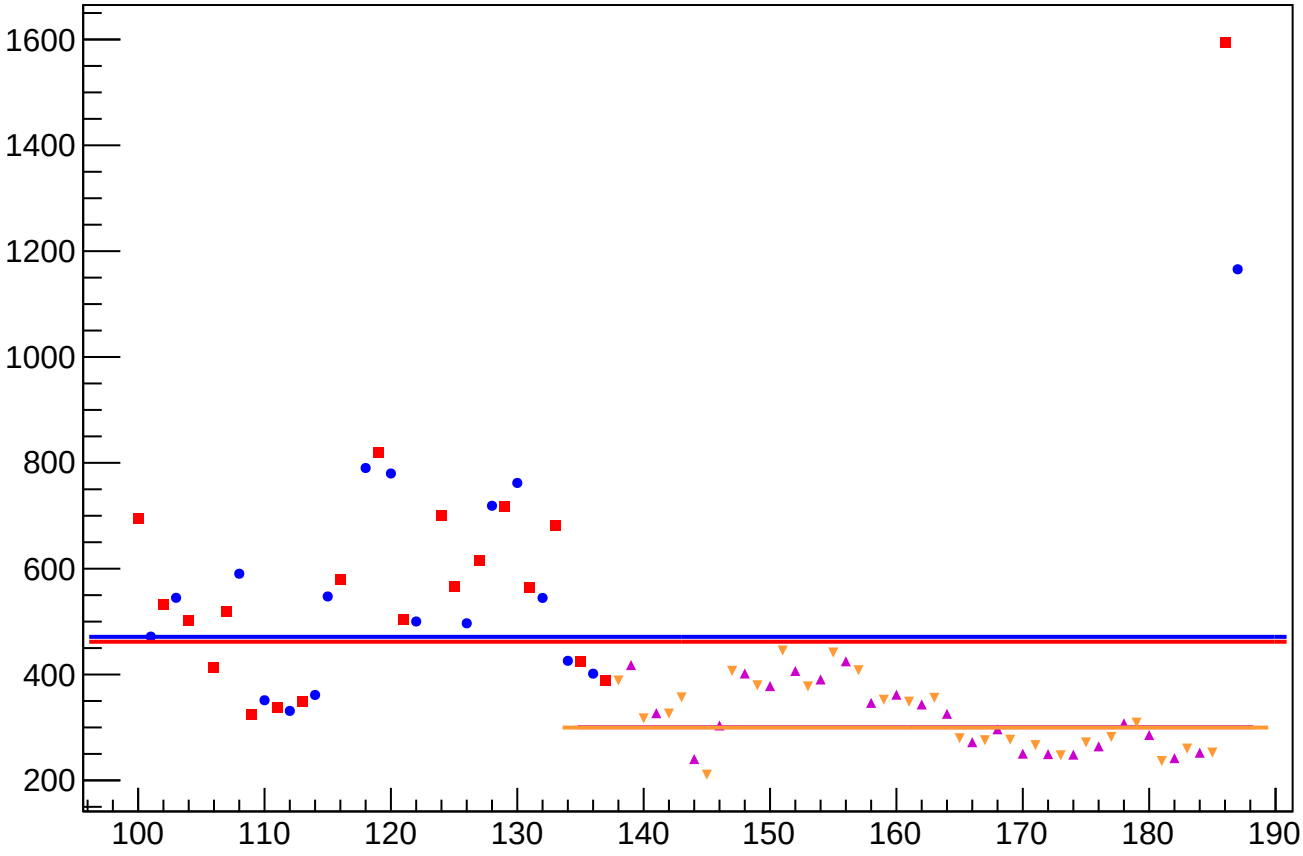
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 195.745+/-65.030 χ^2/NDF: 72.4/41

All: 125.300+/-46.411 χ^2/NDF: 130.6/84

- sign 52.169+/-66.258 χ^2/NDF: 55.8/42

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 471.219+/-0.128 χ^2/NDF: 1117429.3/16

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 461.969+/-0.122 χ^2/NDF: 1497728.7/19

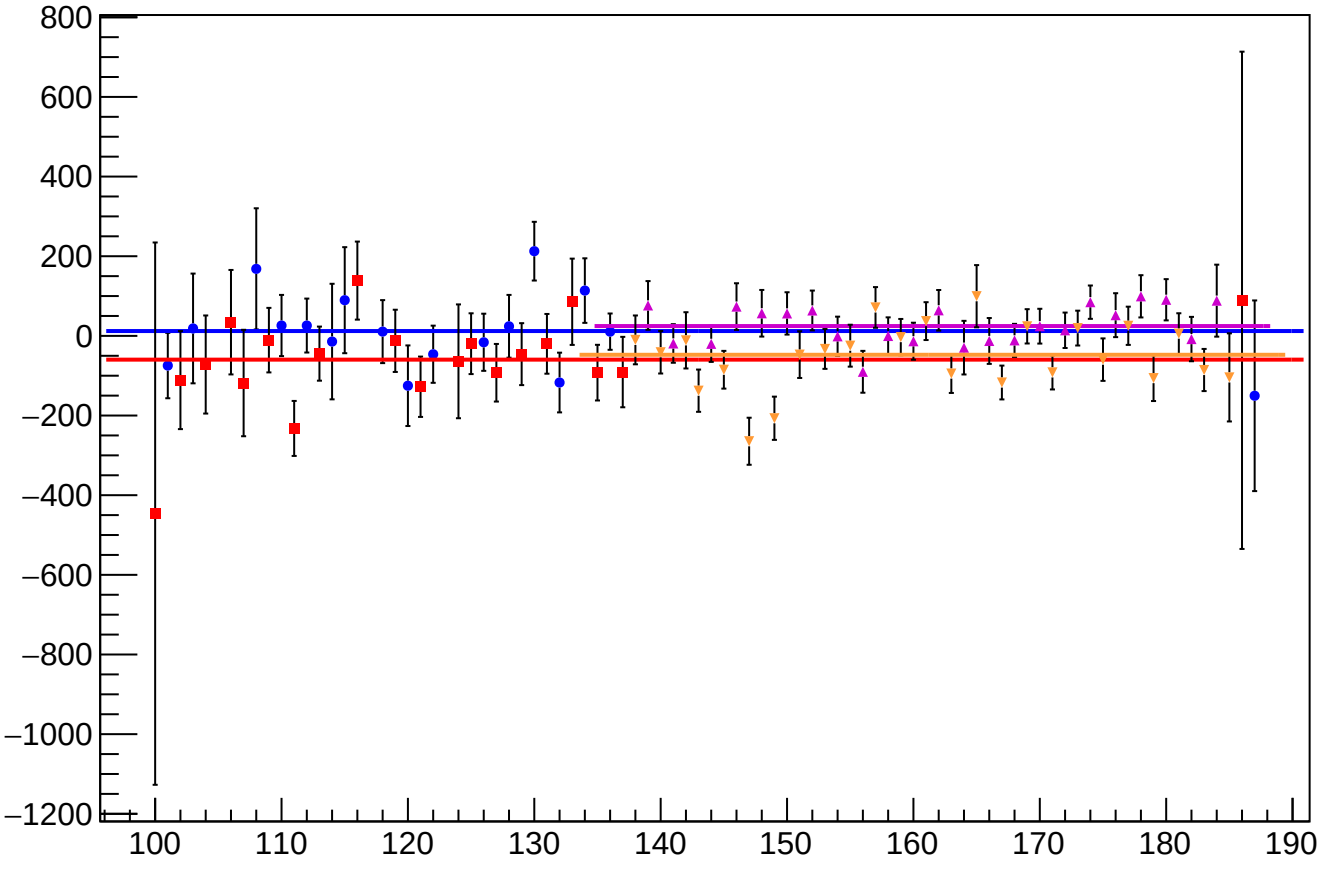
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 322.058+/-0.046 χ^2/NDF: 4265125.1/41

All: 323.092+/-0.033 χ^2/NDF: 8506047.8/84

- sign 324.165+/-0.047 χ^2/NDF: 4239892.4/42

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 12.149+/-19.781 χ^2/NDF: 17.7/16

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -59.655+/-20.223 χ^2/NDF: 16.2/19

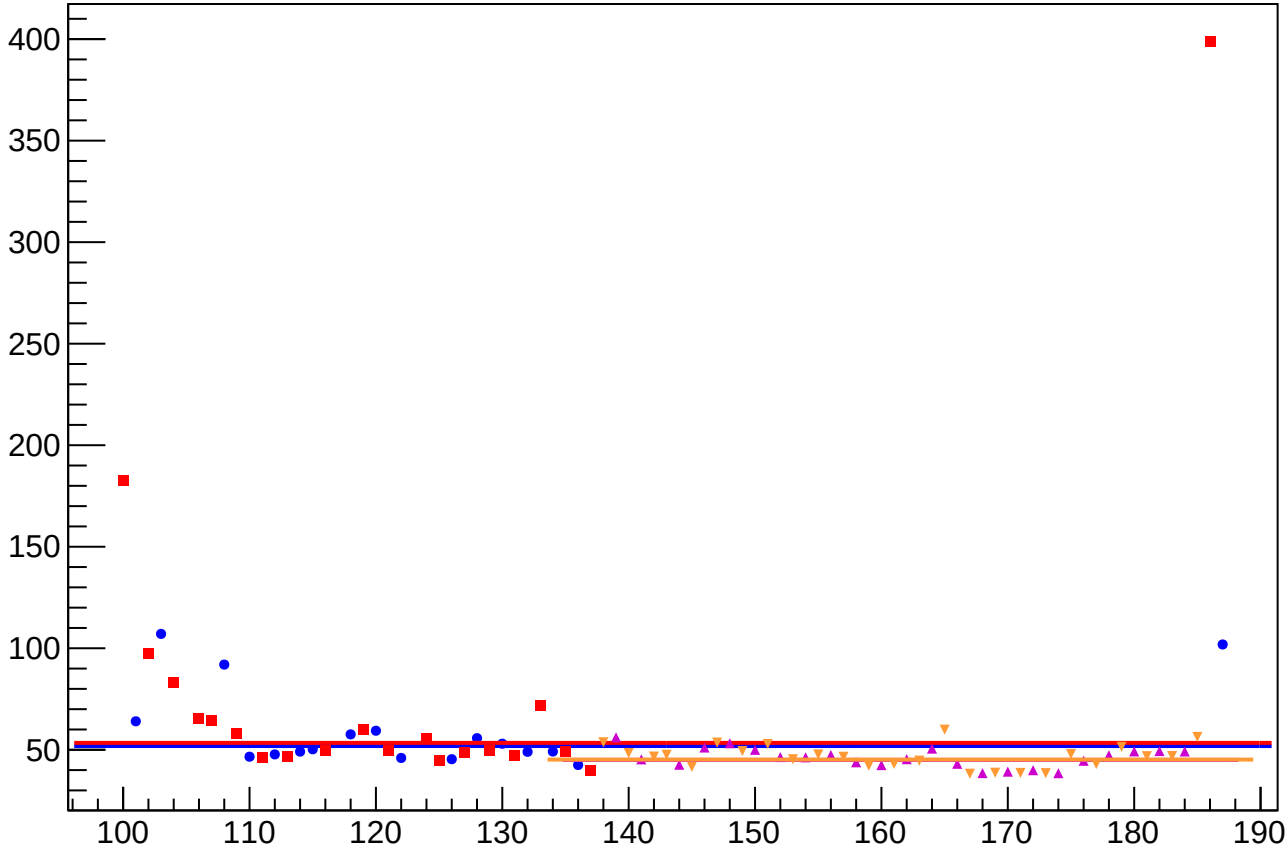
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -34.582+/-9.200 χ^2/NDF: 79.5/41

All: -14.623+/-6.585 χ^2/NDF: 138.6/84

- sign 6.348+/-9.430 χ^2/NDF: 49.5/42

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 51.850+/-0.014 χ^2/NDF: 755011.2/16

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

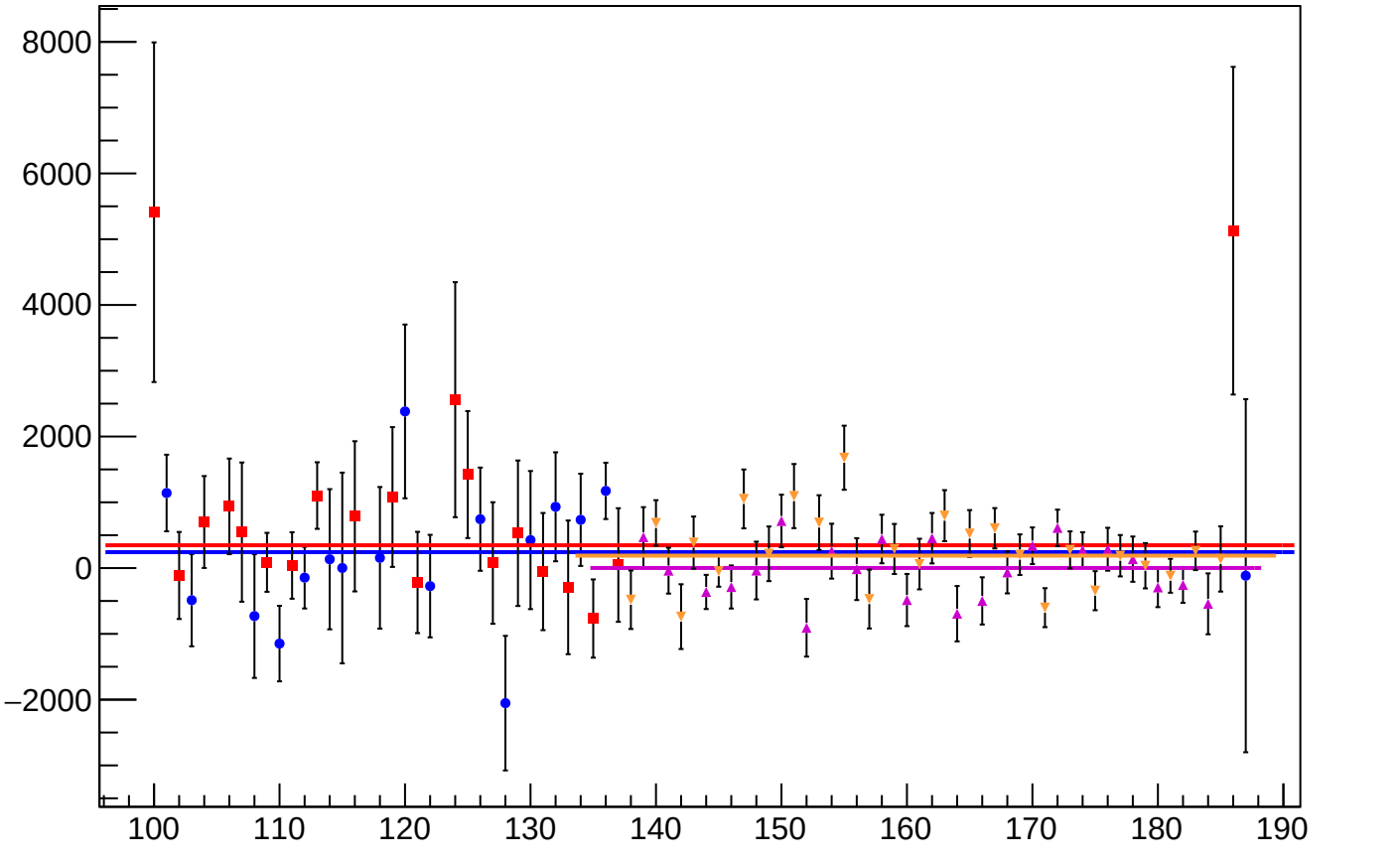
Right Out: 53.400+/-0.014 χ^2/NDF: 1325731.4/19

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 46.619+/-0.007 χ^2/NDF: 1423320.1/41

All: 46.727+/-0.005 χ^2/NDF: 3391230.5/84

- sign 46.840+/-0.007 χ^2/NDF: 1967345.5/42



Right In: 242.201+/-180.463 χ^2/NDF: 25.6/16

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: 346.865+/-173.211 χ^2/NDF: 20.2/19

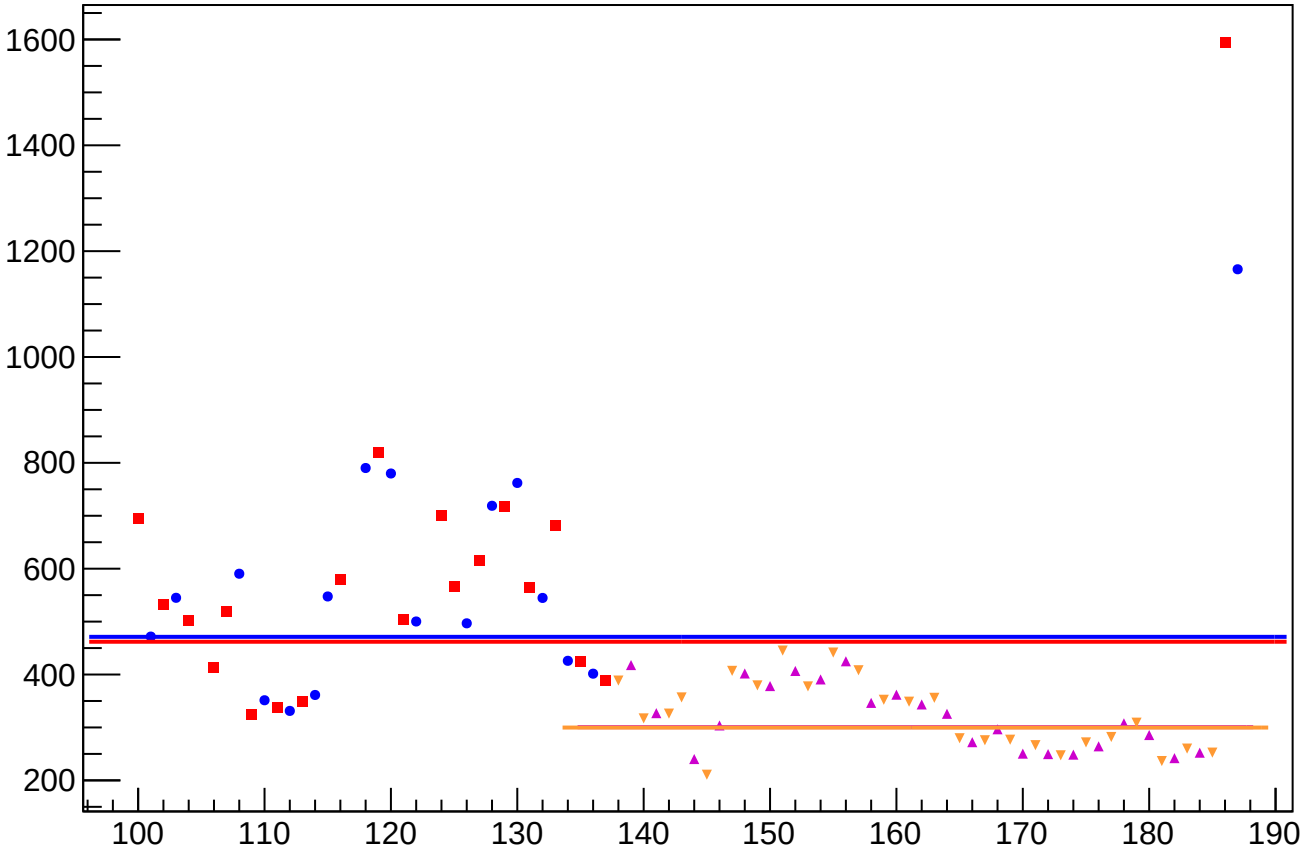
Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 195.745+/-65.030 χ^2/NDF: 72.4/41

All: 125.300+/-46.411 χ^2/NDF: 130.6/84

- sign 52.168+/-66.258 χ^2/NDF: 55.8/42

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 471.219+/-0.128 χ^2/NDF: 1117430.0/16

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

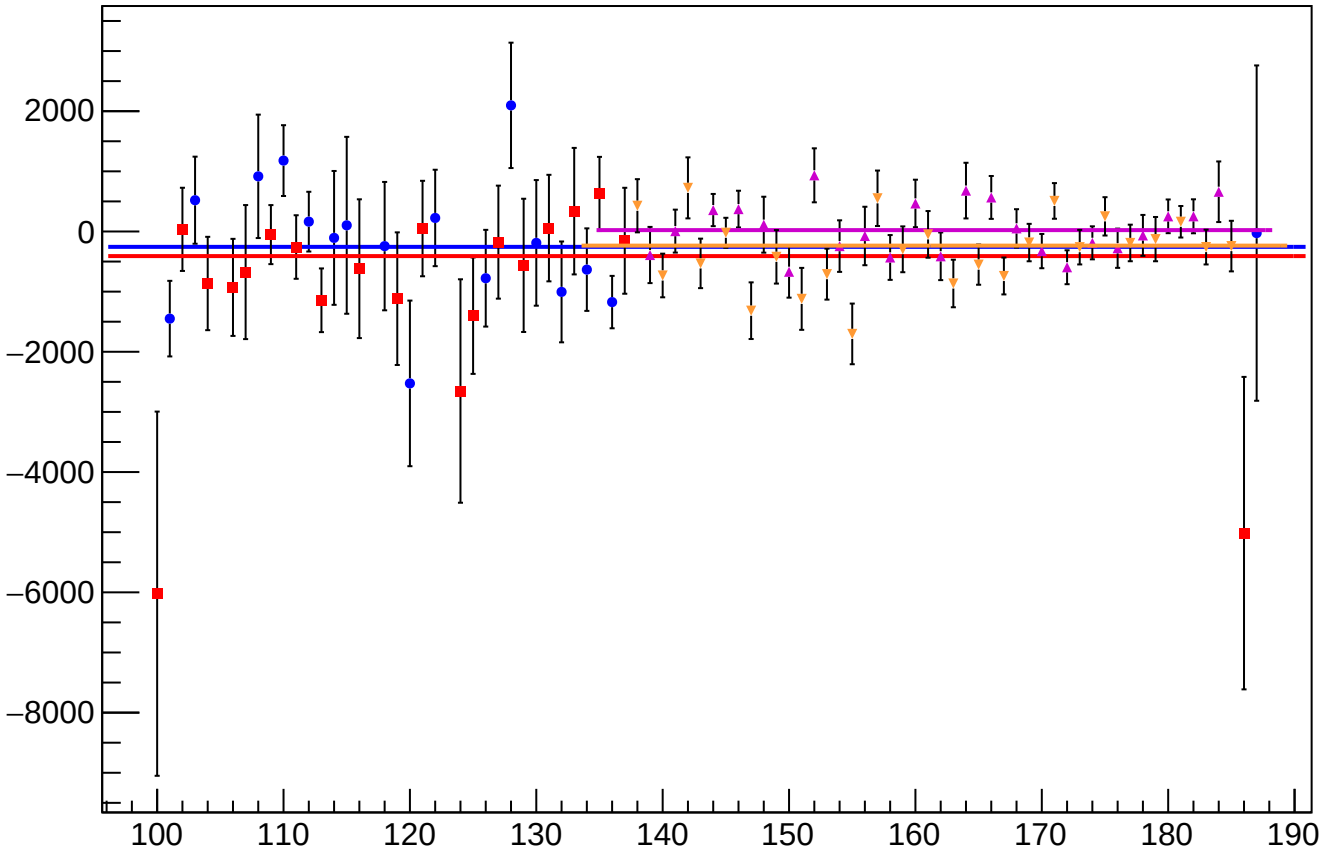
Right Out: 461.968+/-0.122 χ^2/NDF: 1497723.0/19

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 322.058+/-0.046 χ^2/NDF: 4265112.3/41

All: 323.092+/-0.033 χ^2/NDF: 8506007.0/84

- sign 324.165+/-0.047 χ^2/NDF: 4239864.2/42



Right In: -255.725+/-186.046 χ^2/NDF: 26.9/16

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -409.150+/-181.915 χ^2/NDF: 17.4/19

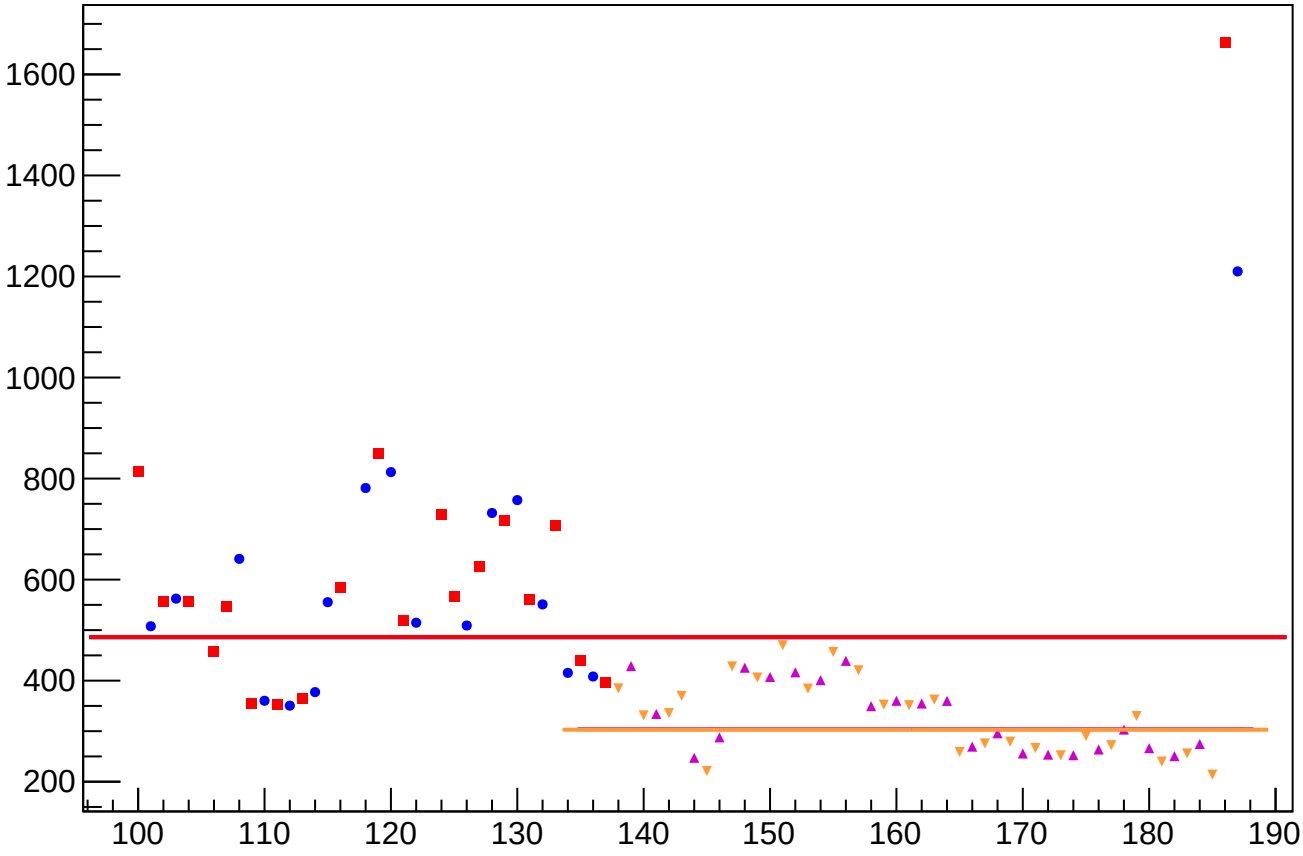
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.765+/-66.123 χ^2/NDF: 74.4/41

All: -139.260+/-47.222 χ^2/NDF: 131.0/84

- sign -36.723+/-67.462 χ^2/NDF: 52.1/42

asym_sam_15_37_dd_rms vs Slug



Right In: 485.752+/-0.132 χ^2/NDF: 1082135.7/16

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

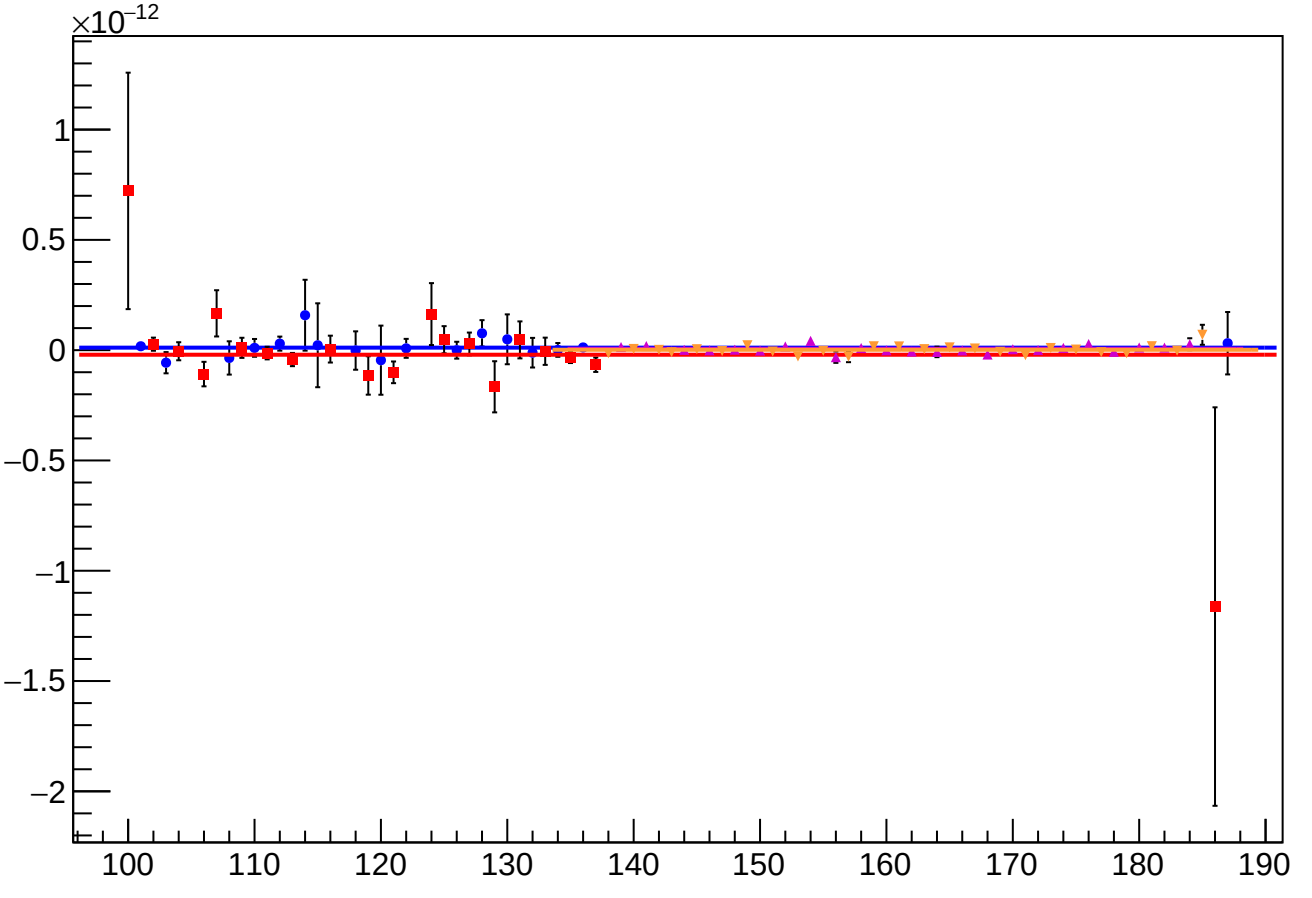
Right Out: 486.358+/-0.129 χ^2/NDF: 1406133.5/19

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

\+ sign 326.035+/-0.047 χ^2/NDF: 4535288.4/41

All: 327.494+/-0.033 χ^2/NDF: 9054503.3/84

\- sign 329.013+/-0.048 χ^2/NDF: 4517228.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 5.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

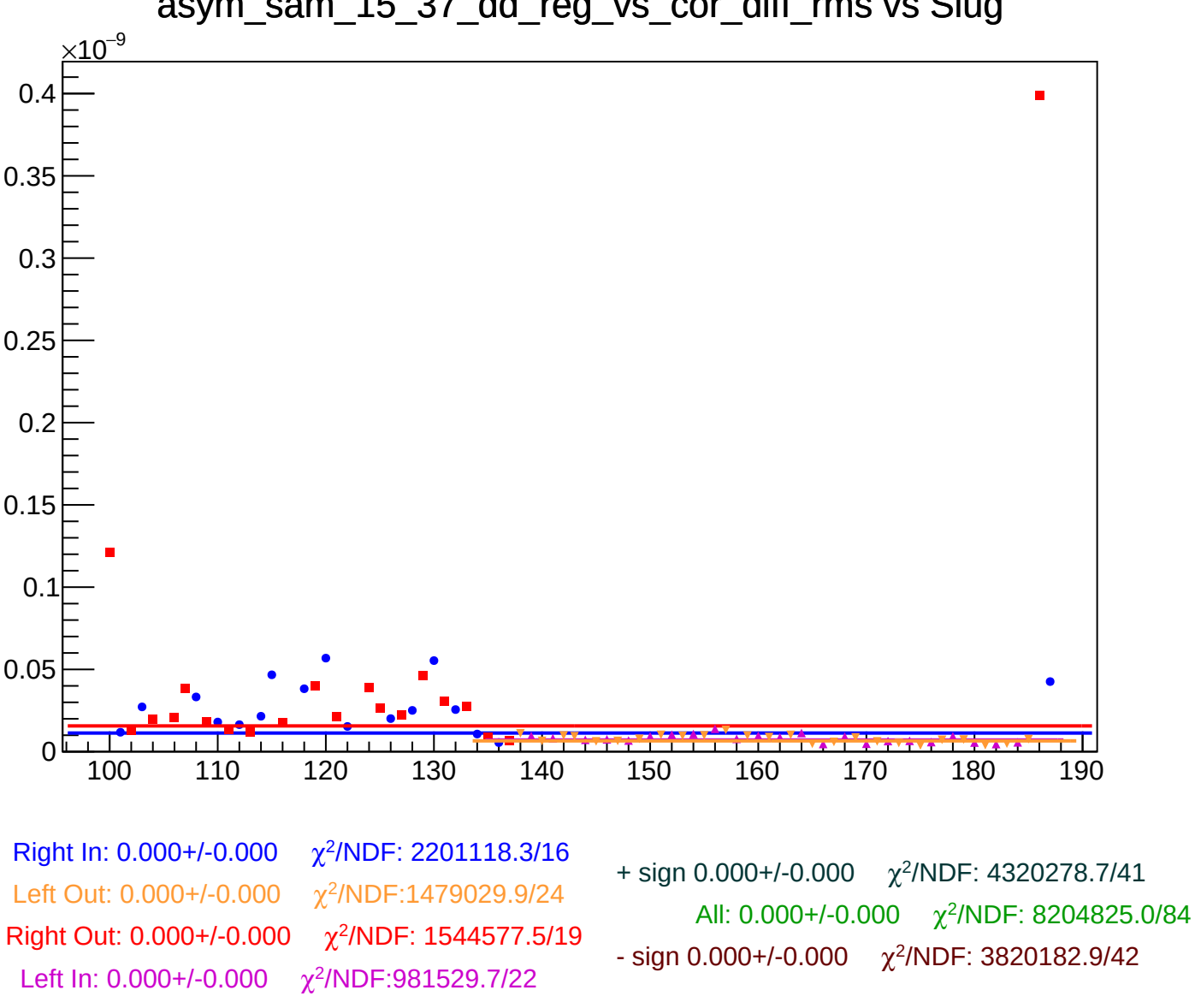
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/19

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

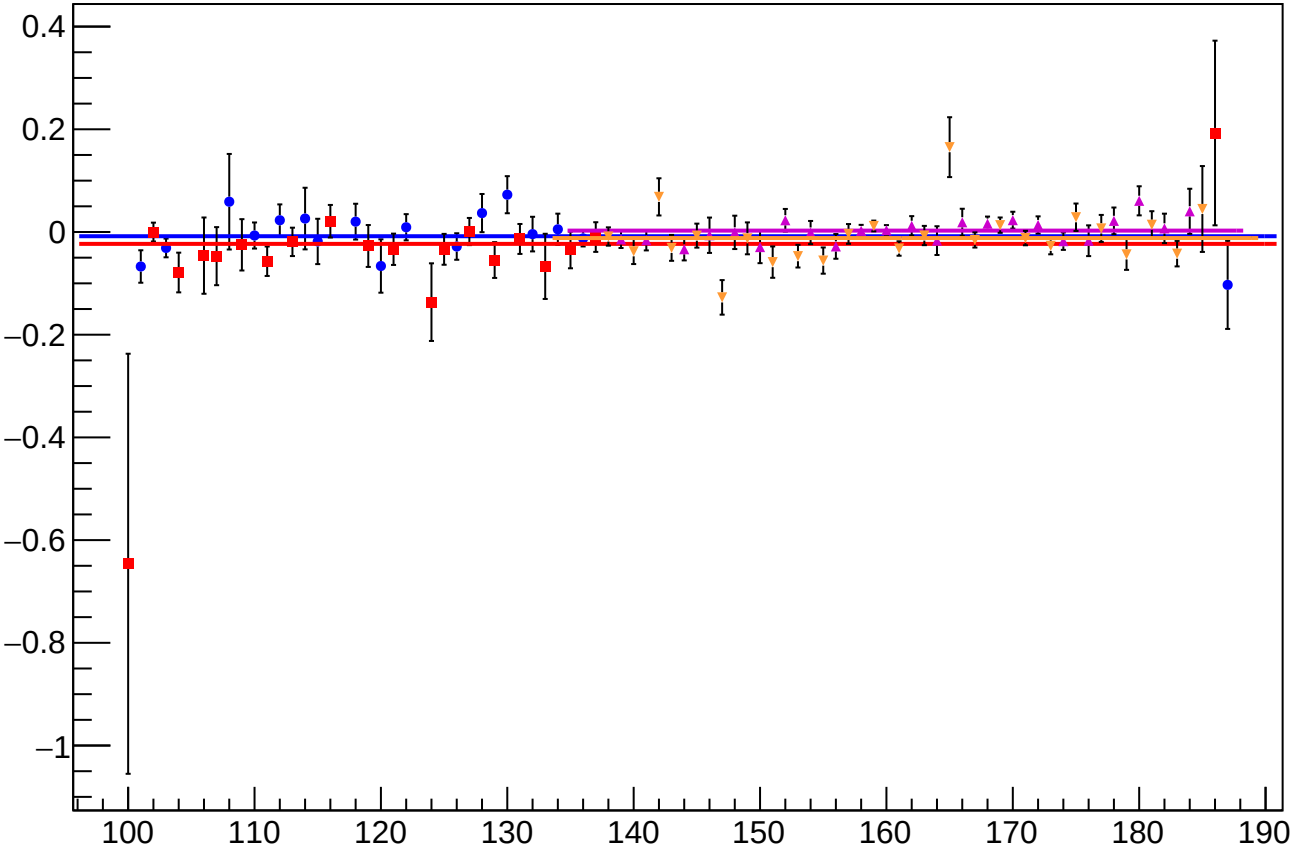
+ sign 0.000+/-0.000 χ^2/NDF: 29.6/41

All: 0.000+/-0.000 χ^2/NDF: 79.6/84

- sign 0.000+/-0.000 χ^2/NDF: 49.8/42


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2201118.3/16
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1544577.5/19
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
+ sign 0.000+/-0.000 χ²/NDF: 4320278.7/41
All: 0.000+/-0.000 χ²/NDF: 8204825.0/84
- sign 0.000+/-0.000 χ²/NDF: 3820182.9/42

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.023+/-0.008 χ^2/NDF: 16.1/19

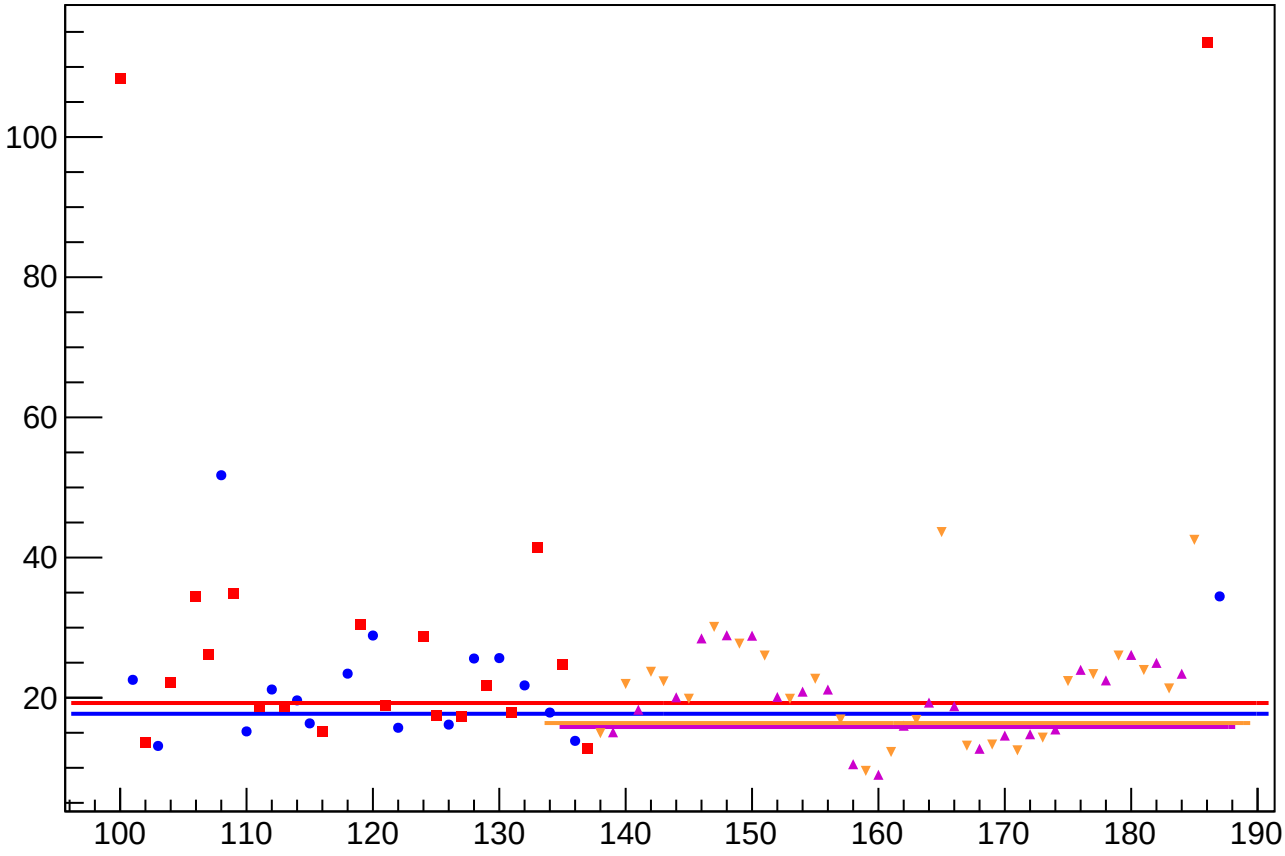
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 71.6/41

All: -0.007+/-0.003 χ^2/NDF: 118.8/84

- sign -0.003+/-0.004 χ^2/NDF: 44.6/42

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 17.709+/-0.005 χ^2/NDF: 1070029.3/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

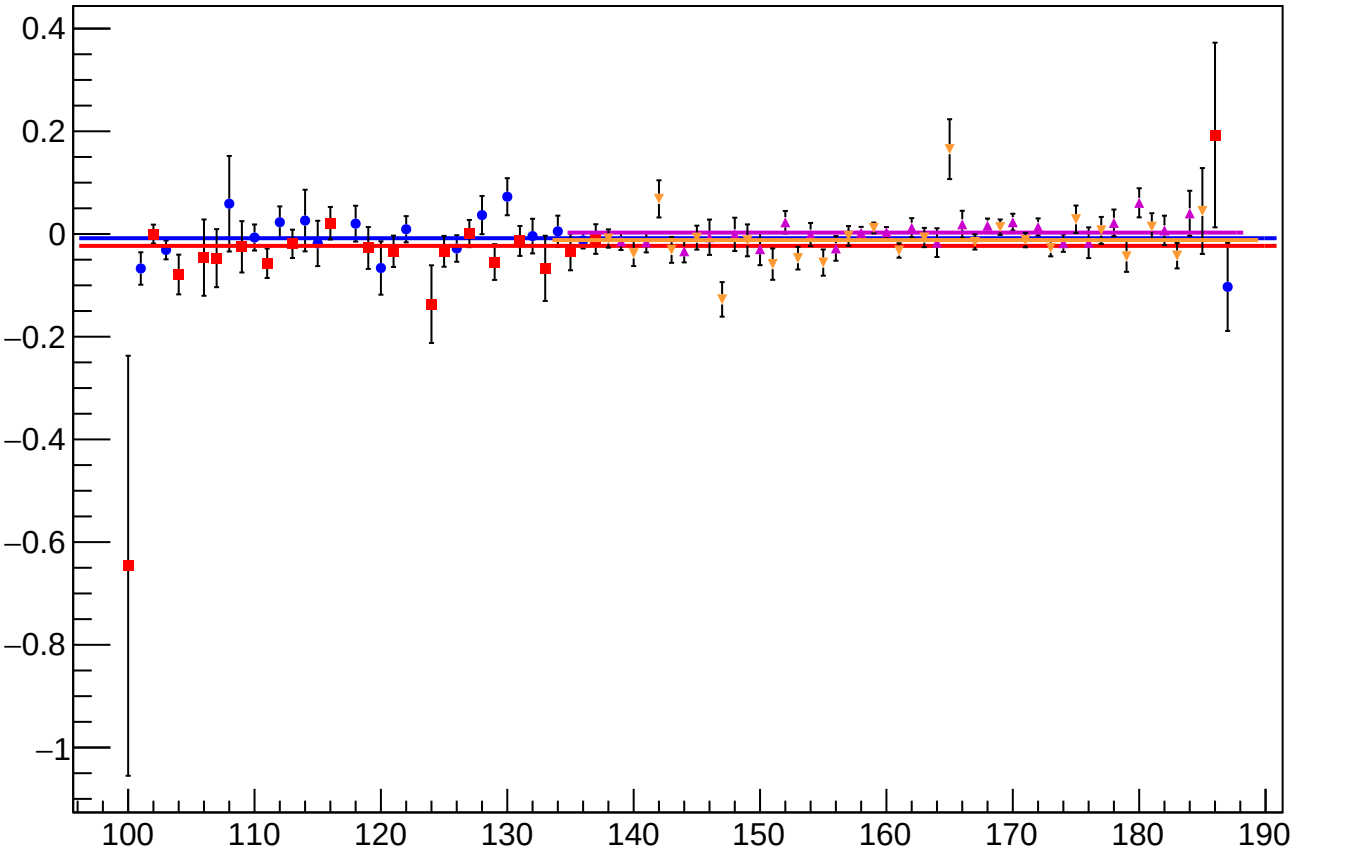
Right Out: 19.247+/-0.005 χ^2/NDF: 1798460.3/19

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.709+/-0.003 χ^2/NDF: 5151435.8/41

All: 16.634+/-0.002 χ^2/NDF: 10913869.2/84

\- sign 16.557+/-0.003 χ^2/NDF: 5760618.7/42



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

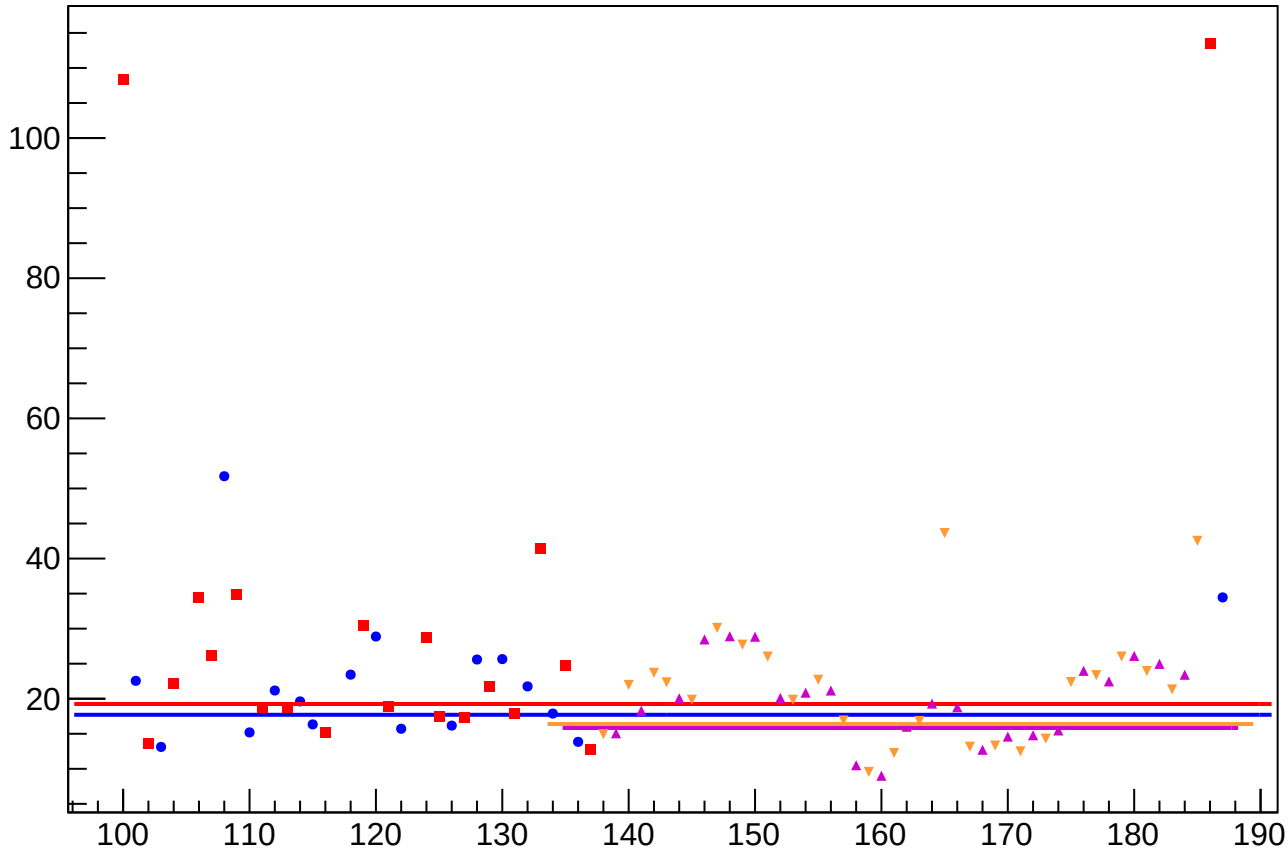
Right Out: -0.023+/-0.008 χ^2/NDF: 16.1/19

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 71.6/41

All: -0.007+/-0.003 χ^2/NDF: 118.8/84

- sign -0.003+/-0.004 χ^2/NDF: 44.6/42



Right In: 17.709+/-0.005 χ^2/NDF: 1070029.3/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

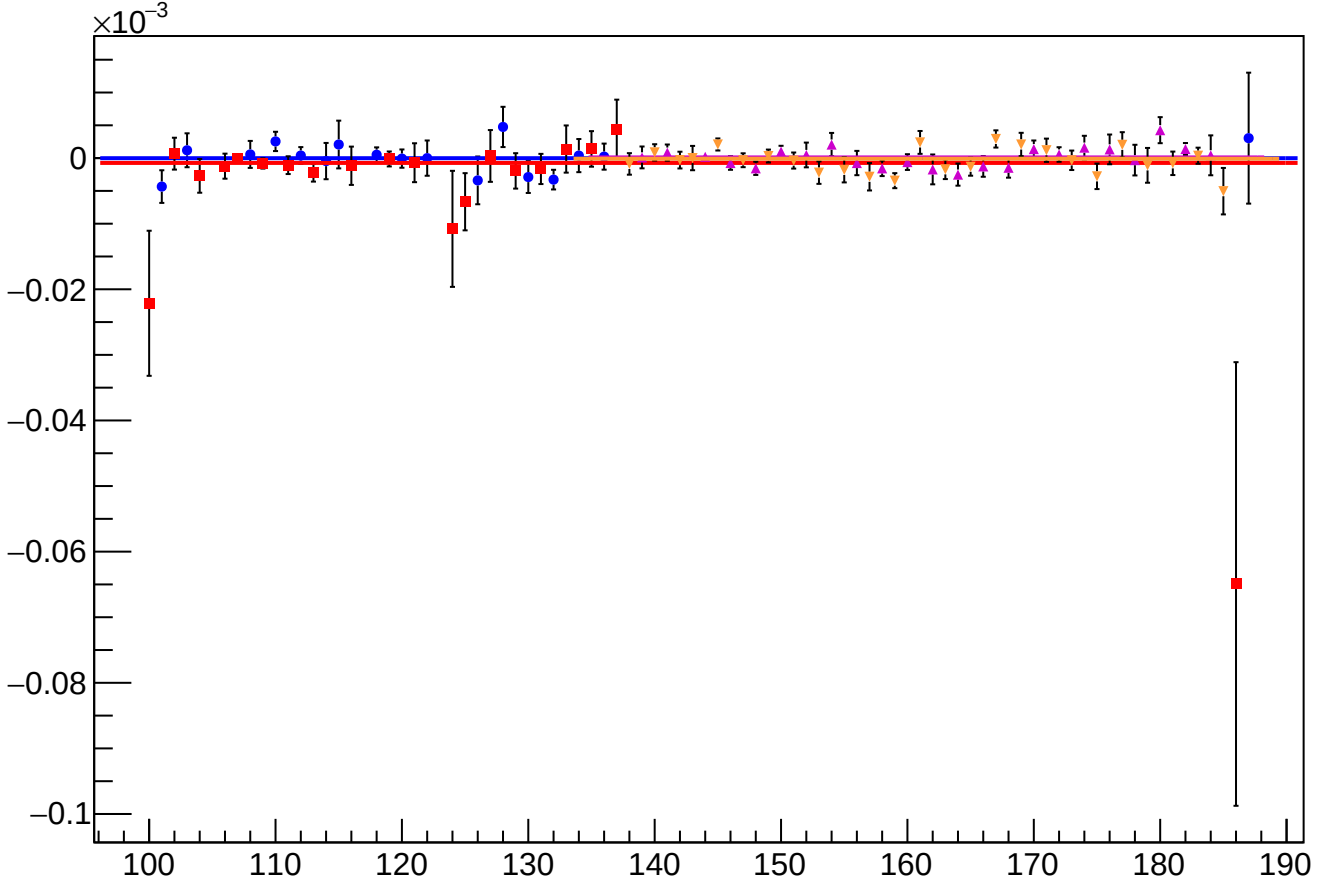
Right Out: 19.247+/-0.005 χ^2/NDF: 1798460.3/19

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 16.709+/-0.003 χ^2/NDF: 5151435.8/41

All: 16.634+/-0.002 χ^2/NDF: 10913869.2/84

\- sign 16.557+/-0.003 χ^2/NDF: 5760618.7/42



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

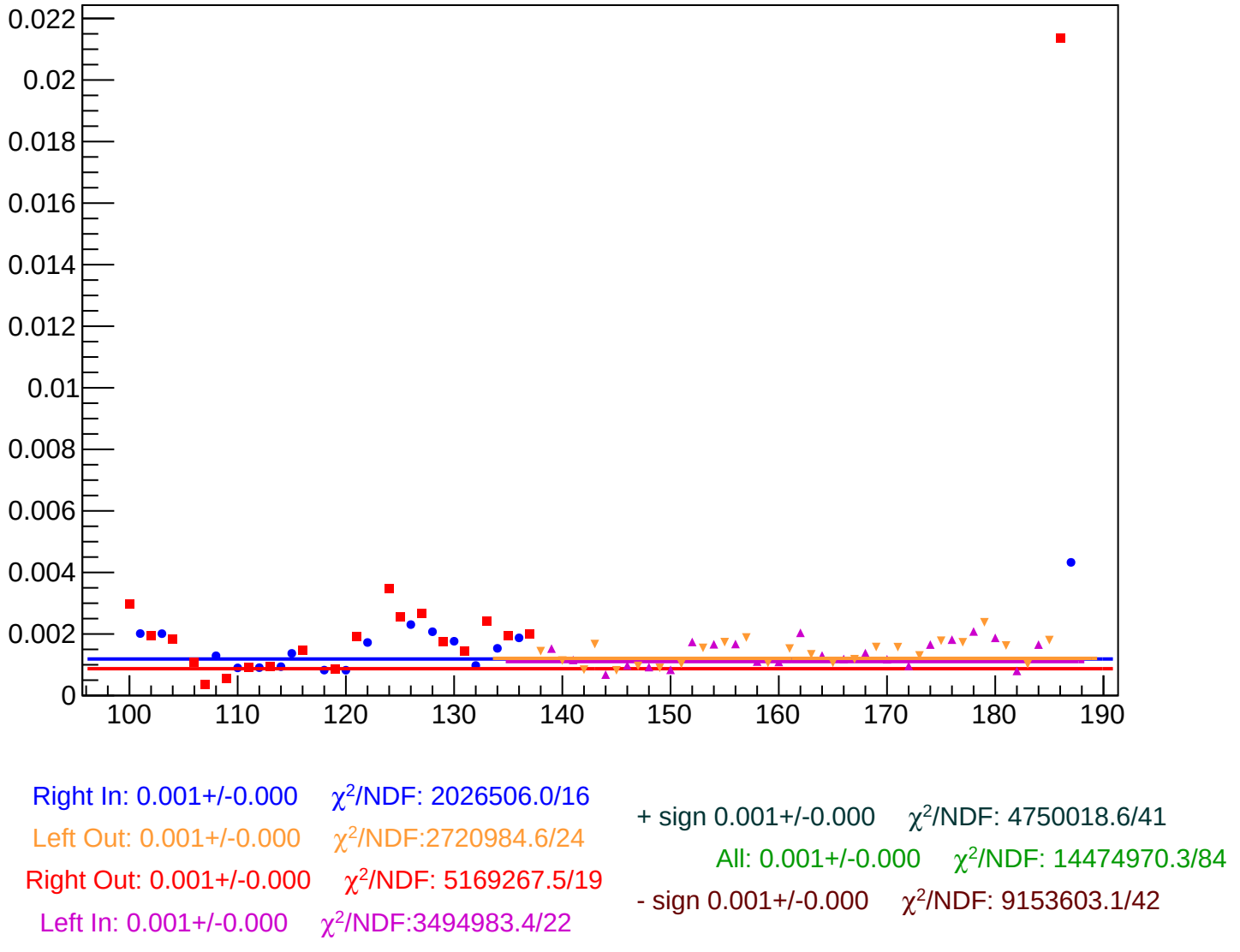
Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/19

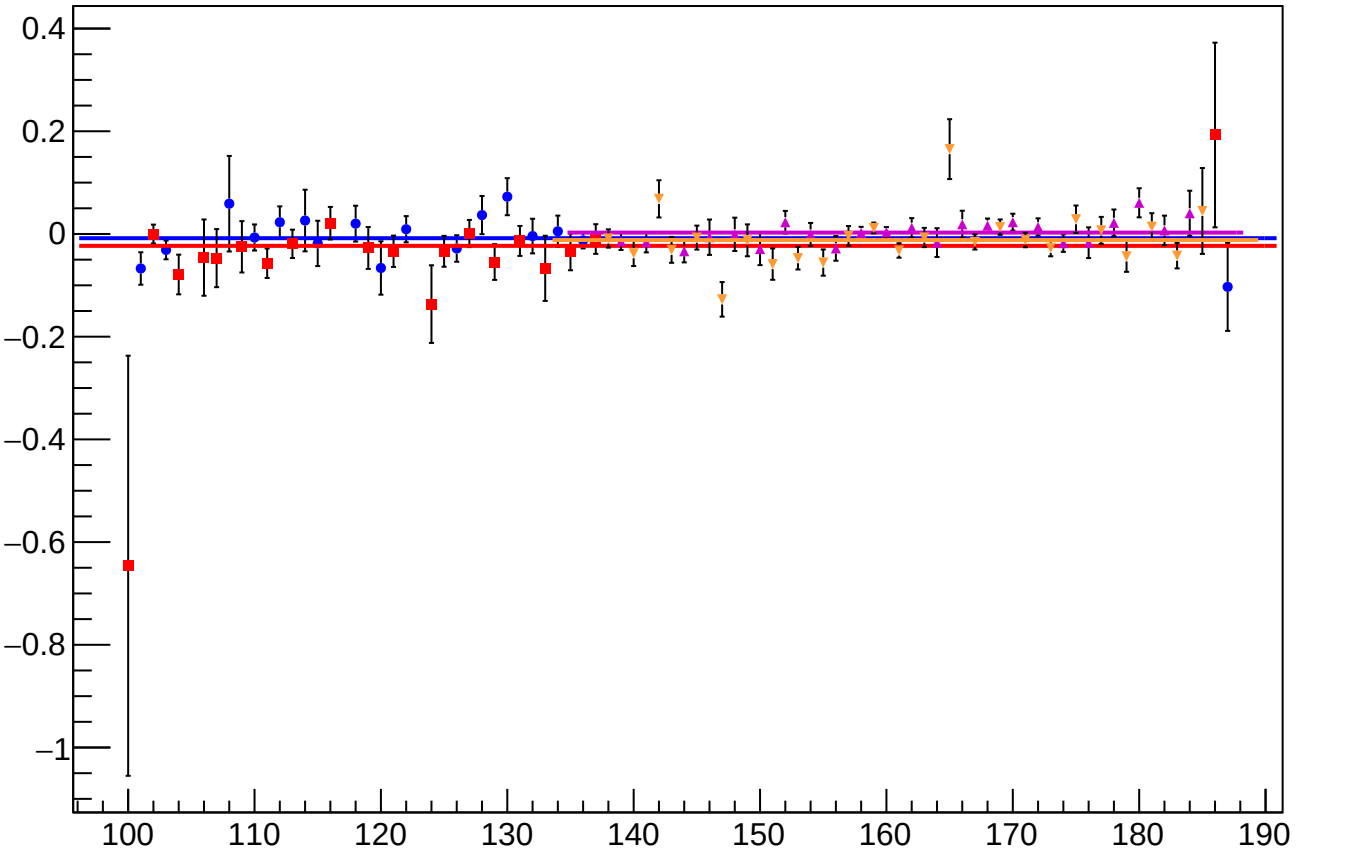
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/41

All: -0.000+/-0.000 χ^2/NDF: 94.5/84

- sign -0.000+/-0.000 χ^2/NDF: 41.6/42


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 2026506.0/16
Left Out: 0.001+/-0.000 χ²/NDF:2720984.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 5169267.5/19
Left In: 0.001+/-0.000 χ²/NDF:3494983.4/22
+ sign 0.001+/-0.000 χ²/NDF: 4750018.6/41
All: 0.001+/-0.000 χ²/NDF: 14474970.3/84
- sign 0.001+/-0.000 χ²/NDF: 9153603.1/42



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

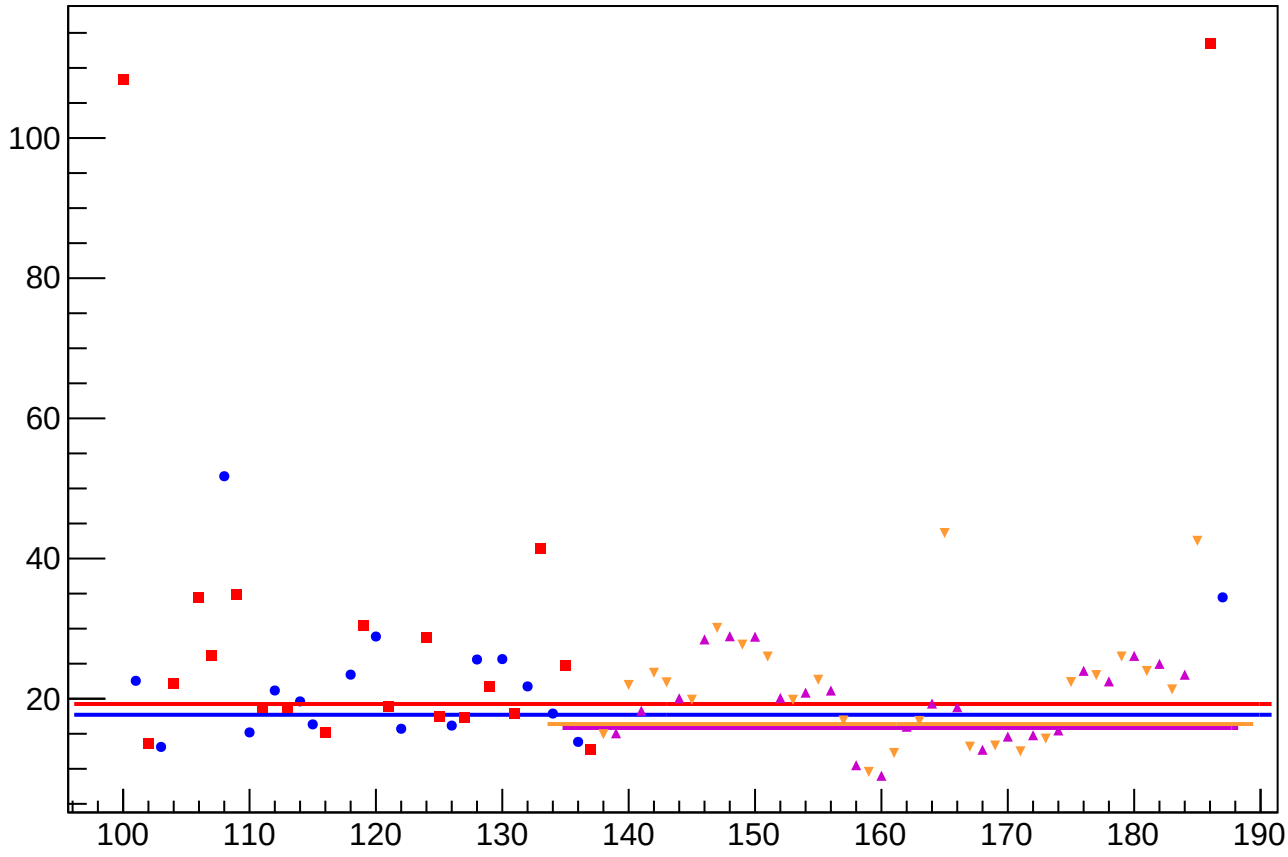
Right Out: -0.023+/-0.008 χ^2/NDF: 16.1/19

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 71.6/41

All: -0.007+/-0.003 χ^2/NDF: 118.8/84

- sign -0.003+/-0.004 χ^2/NDF: 44.6/42



Right In: 17.709+/-0.005 χ^2/NDF: 1070088.7/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

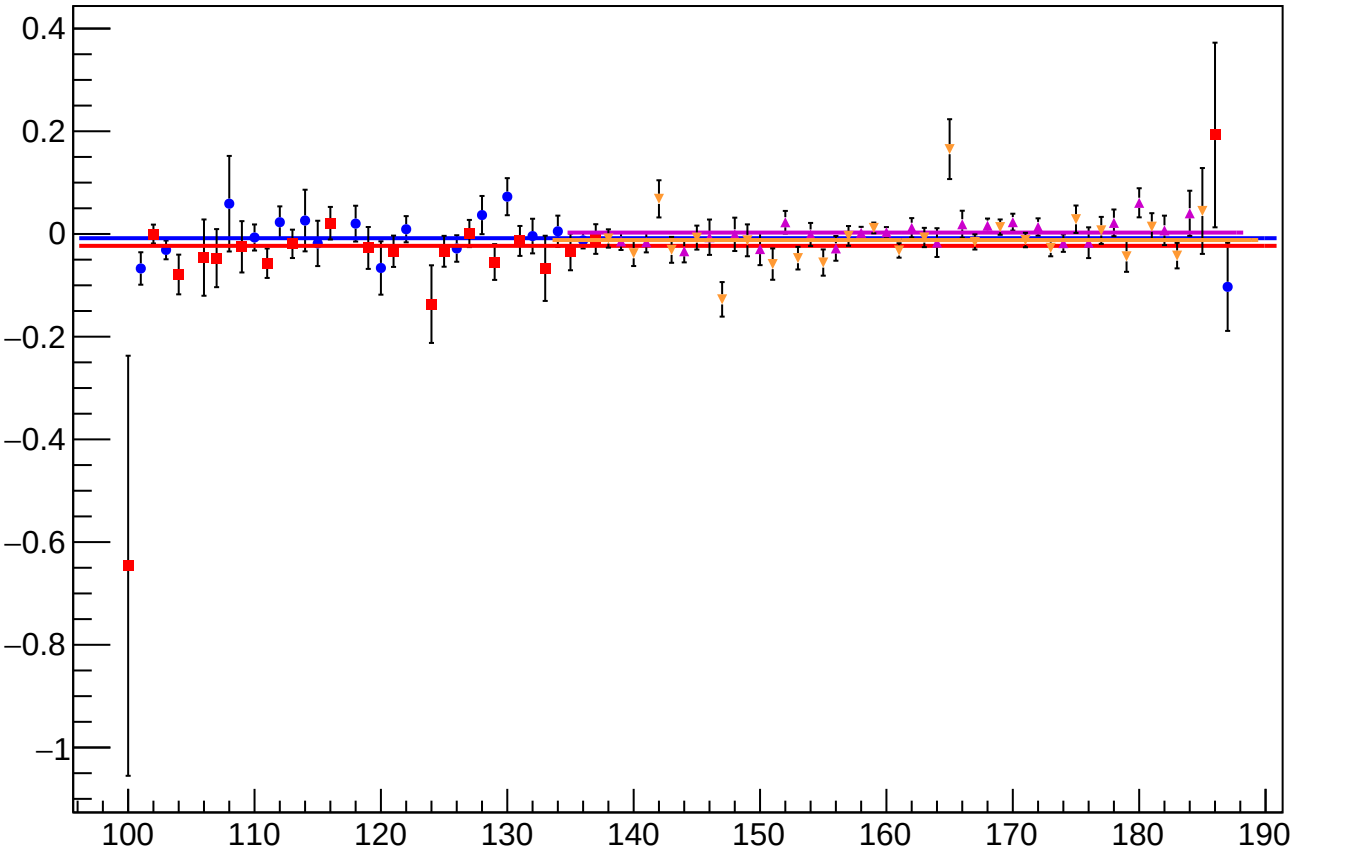
Right Out: 19.247+/-0.005 χ^2/NDF: 1798368.1/19

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 16.709+/-0.003 χ^2/NDF: 5151764.9/41

All: 16.634+/-0.002 χ^2/NDF: 10914577.8/84

\- sign 16.557+/-0.003 χ^2/NDF: 5760997.9/42



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

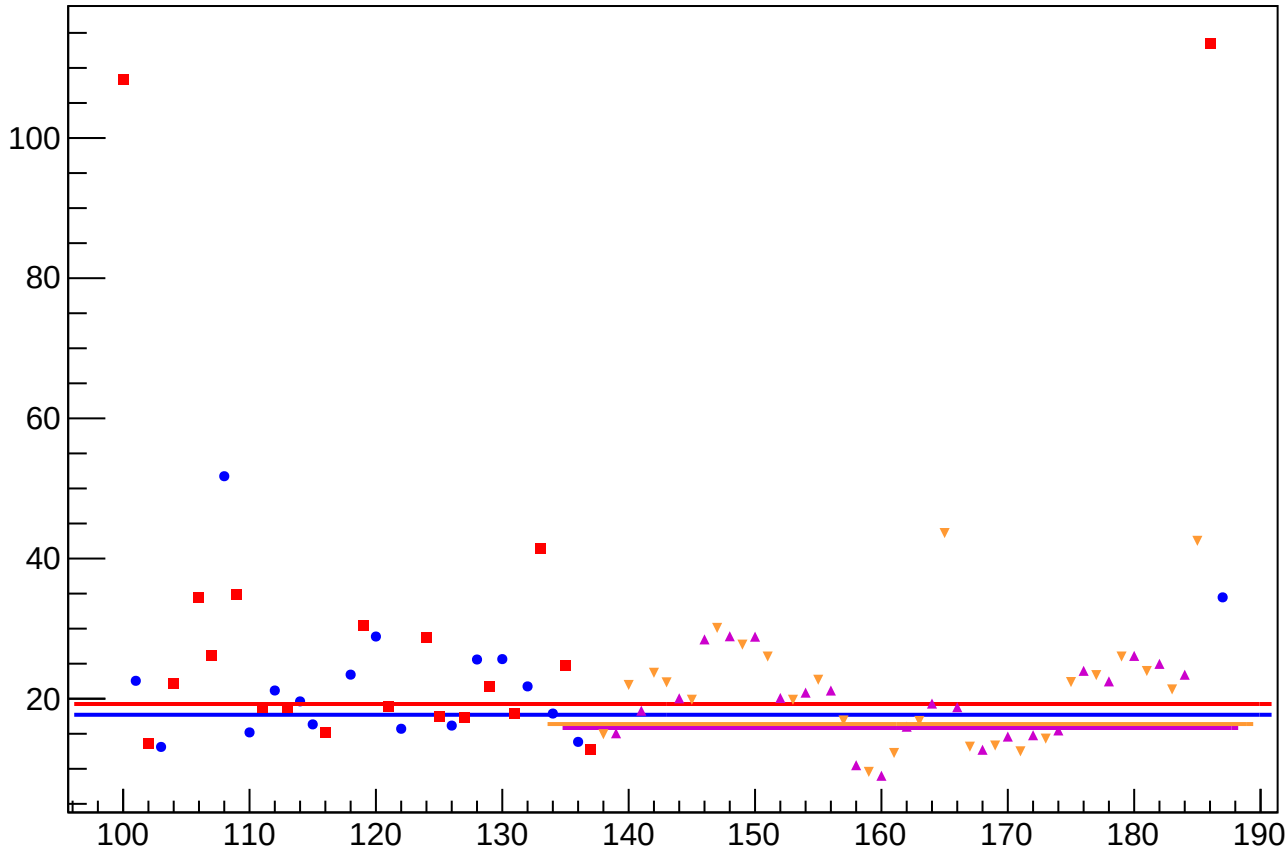
Right Out: -0.023+/-0.008 χ^2/NDF: 16.1/19

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.011+/-0.004 χ^2/NDF: 71.6/41

All: -0.007+/-0.003 χ^2/NDF: 118.8/84

- sign -0.003+/-0.004 χ^2/NDF: 44.6/42



Right In: 17.709+/-0.005 χ^2/NDF: 1070088.7/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

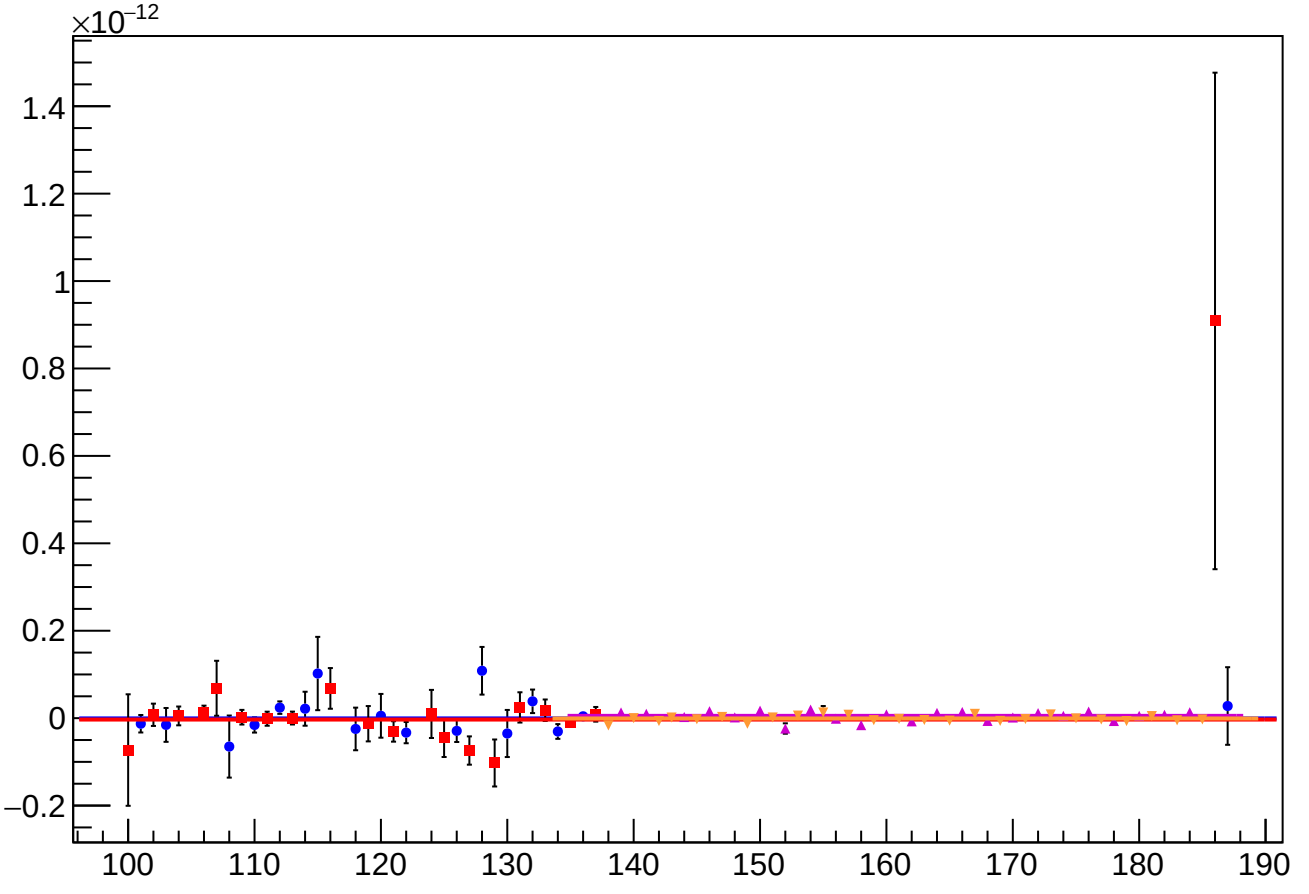
Right Out: 19.247+/-0.005 χ^2/NDF: 1798368.1/19

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 16.709+/-0.003 χ^2/NDF: 5151764.9/41

All: 16.634+/-0.002 χ^2/NDF: 10914577.8/84

- sign 16.557+/-0.003 χ^2/NDF: 5760997.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

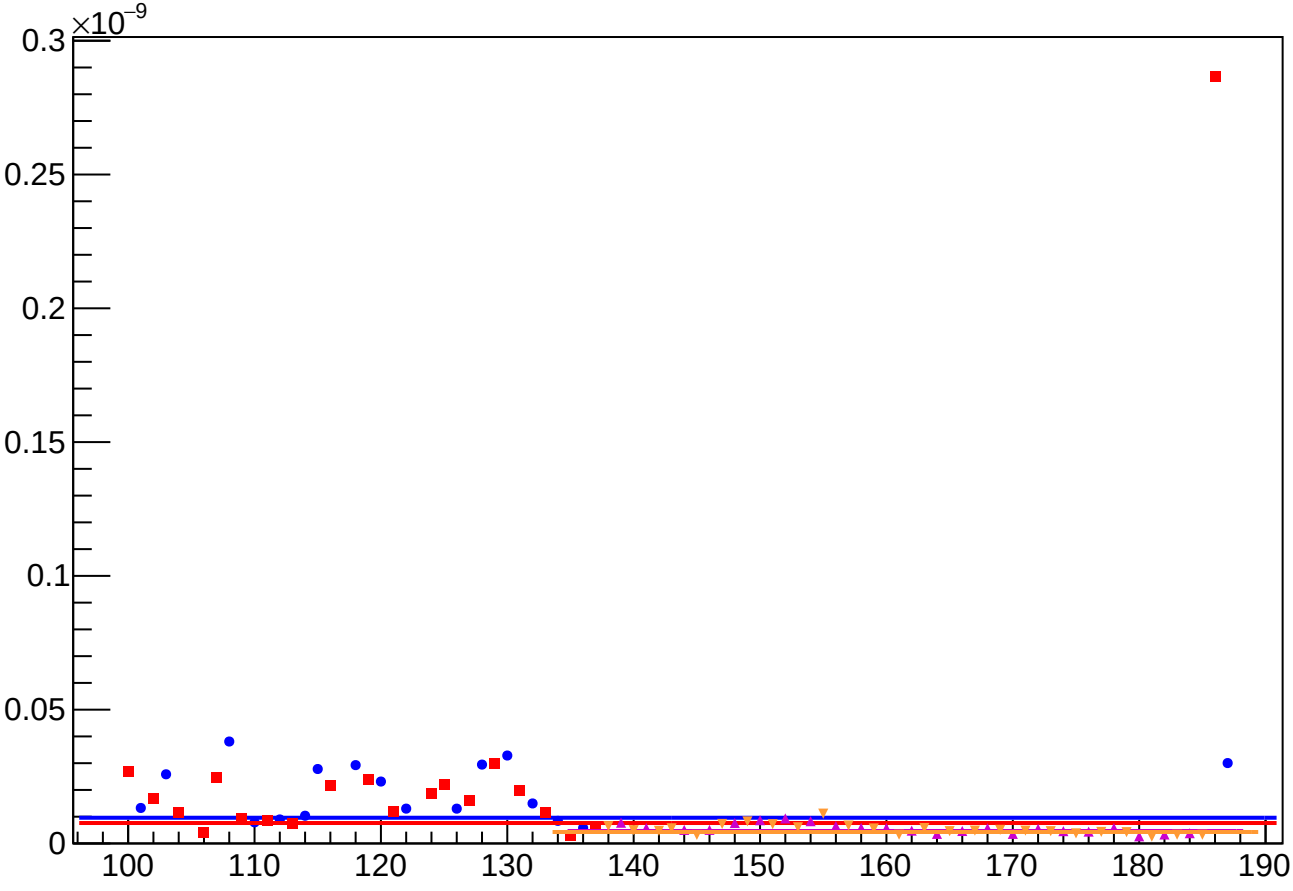
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/19

Left In: 0.000+/-0.000 χ^2/NDF:37.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.5/41

All: 0.000+/-0.000 χ^2/NDF: 110.8/84

- sign 0.000+/-0.000 χ^2/NDF: 62.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 2738841.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3568999.5/19

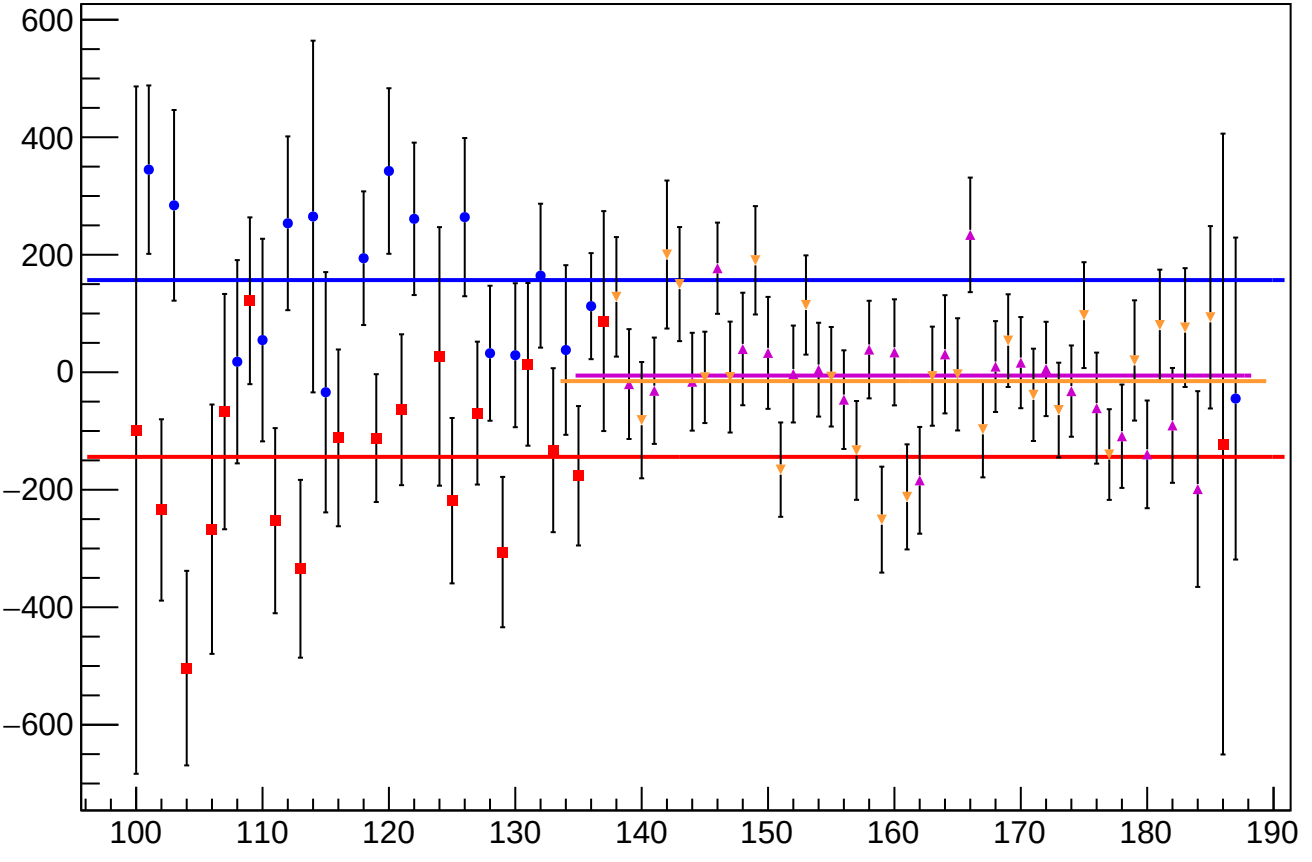
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7409212.8/41

All: 0.000+/-0.000 χ^2/NDF: 14356649.0/84

- sign 0.000+/-0.000 χ^2/NDF: 6885637.8/42

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 156.888+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -144.025+/-34.142 χ^2/NDF: 17.4/19

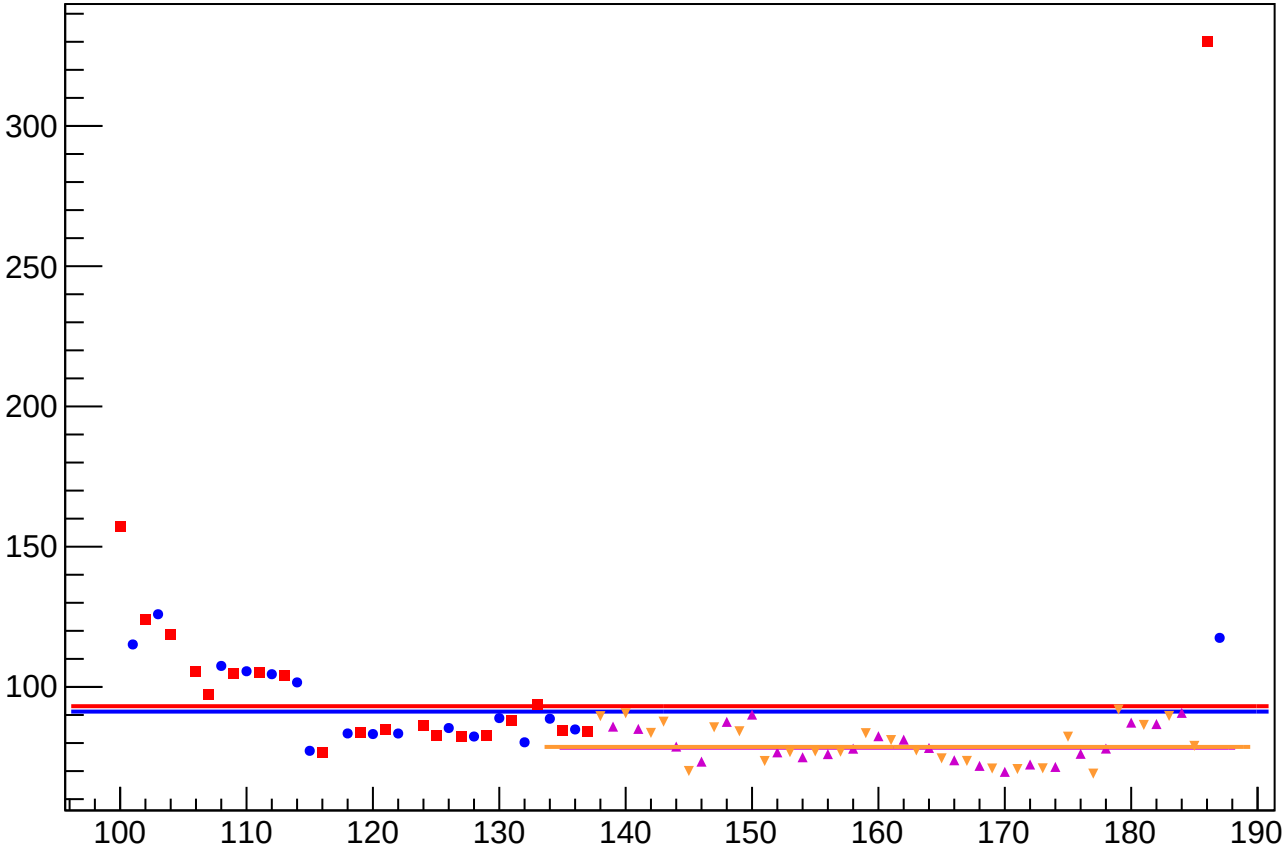
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.571+/-15.869 χ^2/NDF: 73.4/41

All: -6.495+/-11.331 χ^2/NDF: 133.3/84

- sign -36.730+/-16.185 χ^2/NDF: 53.1/42

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 91.211+/-0.024 χ^2/NDF: 291445.9/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 93.134+/-0.024 χ^2/NDF: 705747.6/19

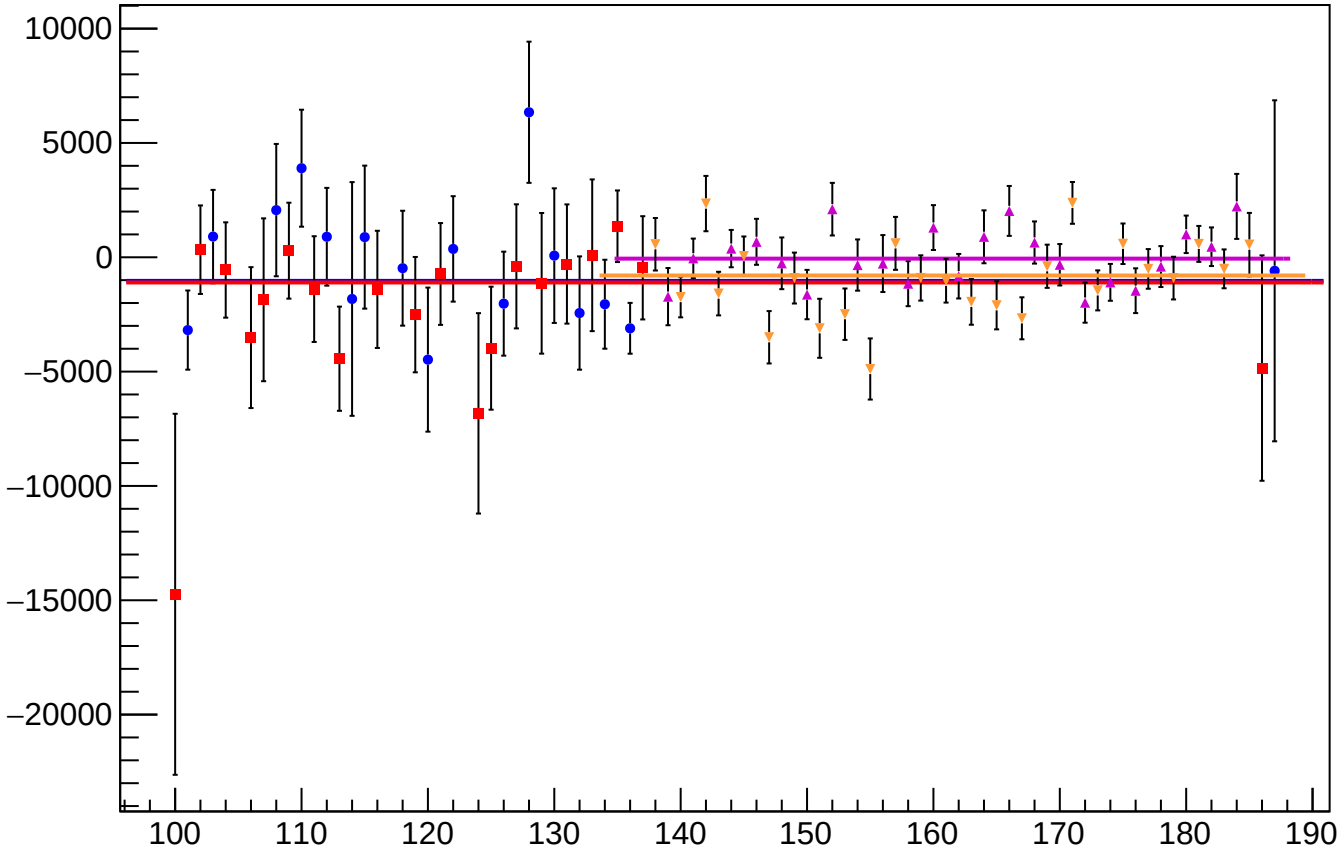
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.376+/-0.011 χ^2/NDF: 814105.0/41

All: 81.516+/-0.008 χ^2/NDF: 2020679.3/84

- sign 81.660+/-0.011 χ^2/NDF: 1206260.5/42

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1032.631+/-548.715 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1101.404+/-565.182 χ^2/NDF: 13.5/19

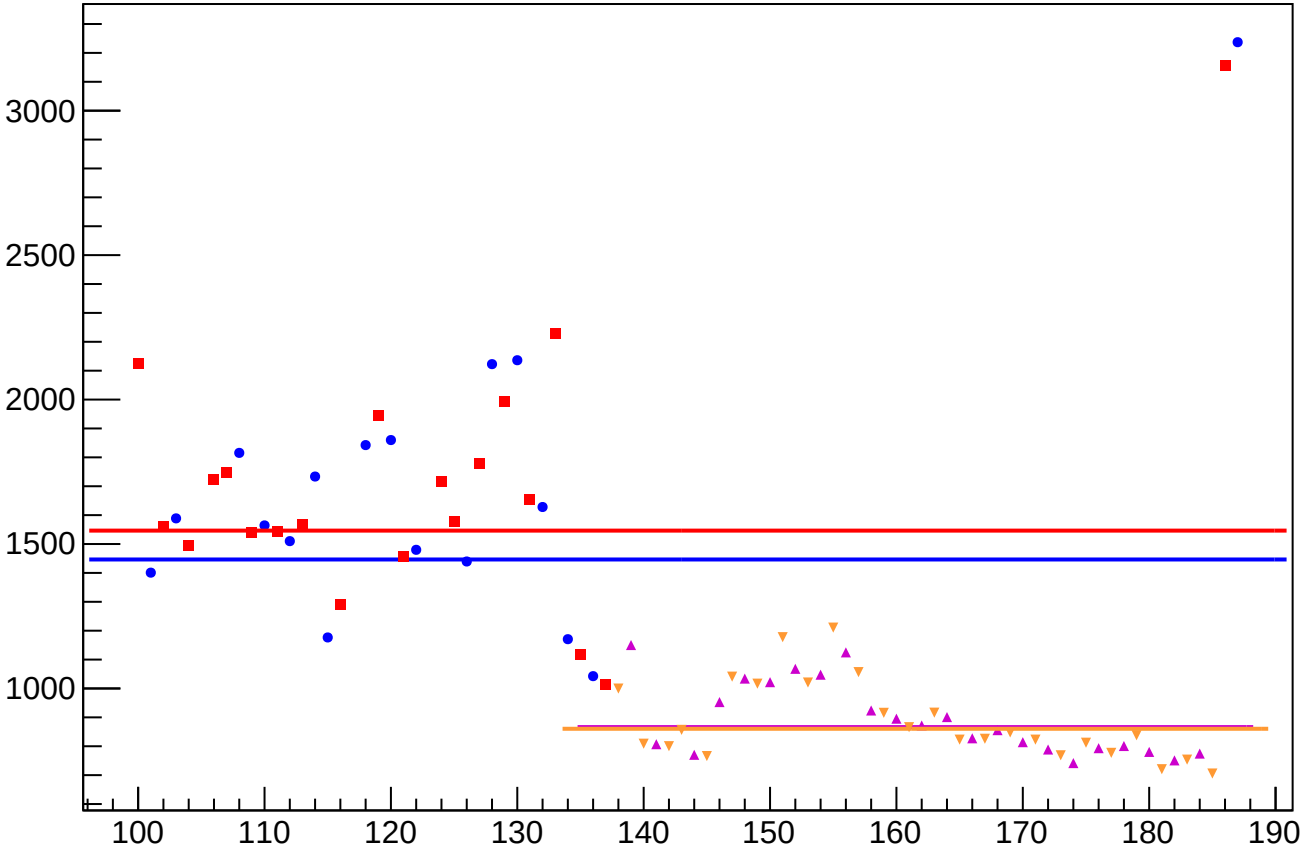
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.118+/-186.149 χ^2/NDF: 79.9/41

All: -512.458+/-133.731 χ^2/NDF: 132.6/84

- sign -180.045+/-192.246 χ^2/NDF: 46.9/42

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1446.483+/-0.388 χ^2/NDF: 791620.8/16

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1546.418+/-0.400 χ^2/NDF: 721023.3/19

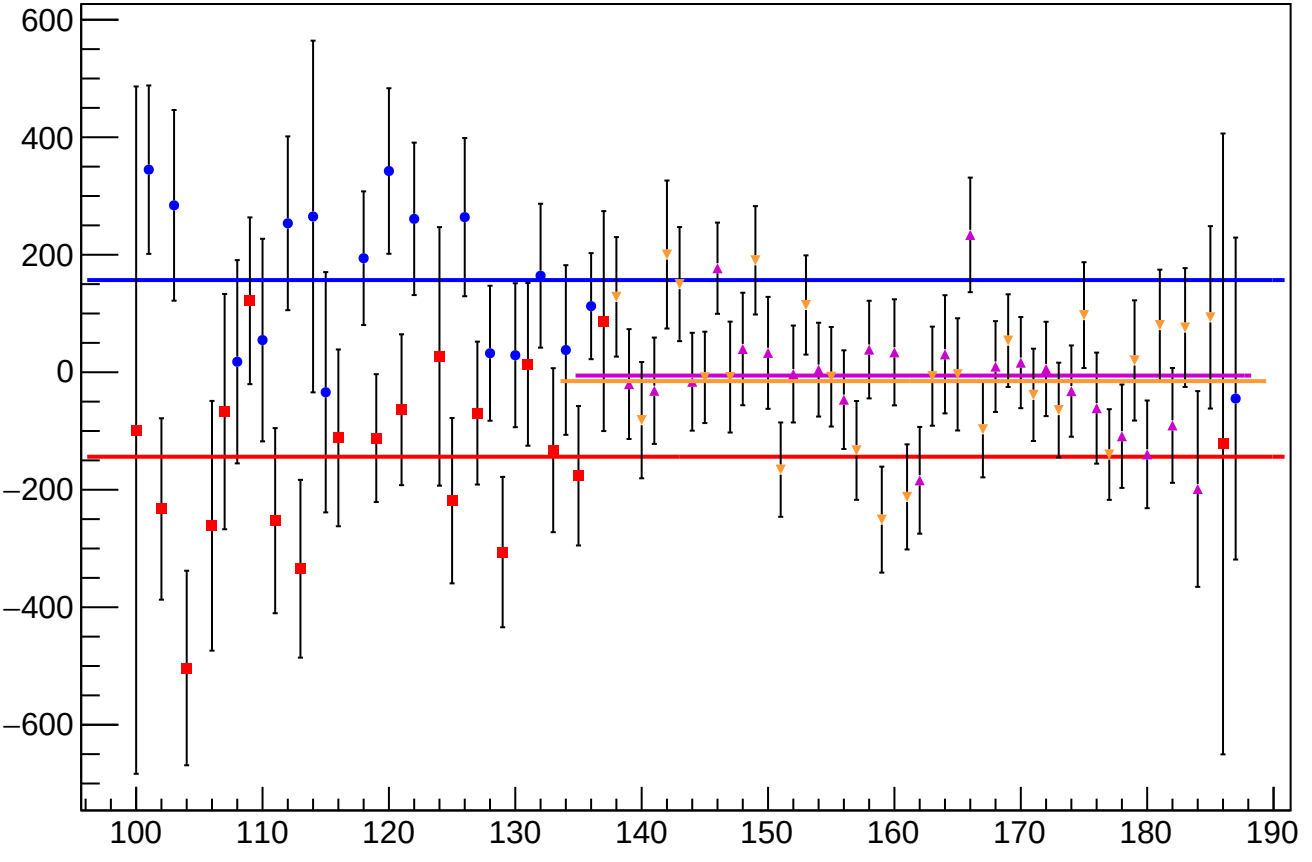
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 927.932+/-0.132 χ^2/NDF: 3509320.9/41

All: 936.209+/-0.095 χ^2/NDF: 7412446.2/84

- sign 945.036+/-0.136 χ^2/NDF: 3894954.6/42

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 156.884+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -143.771+/-34.144 χ^2/NDF: 17.3/19

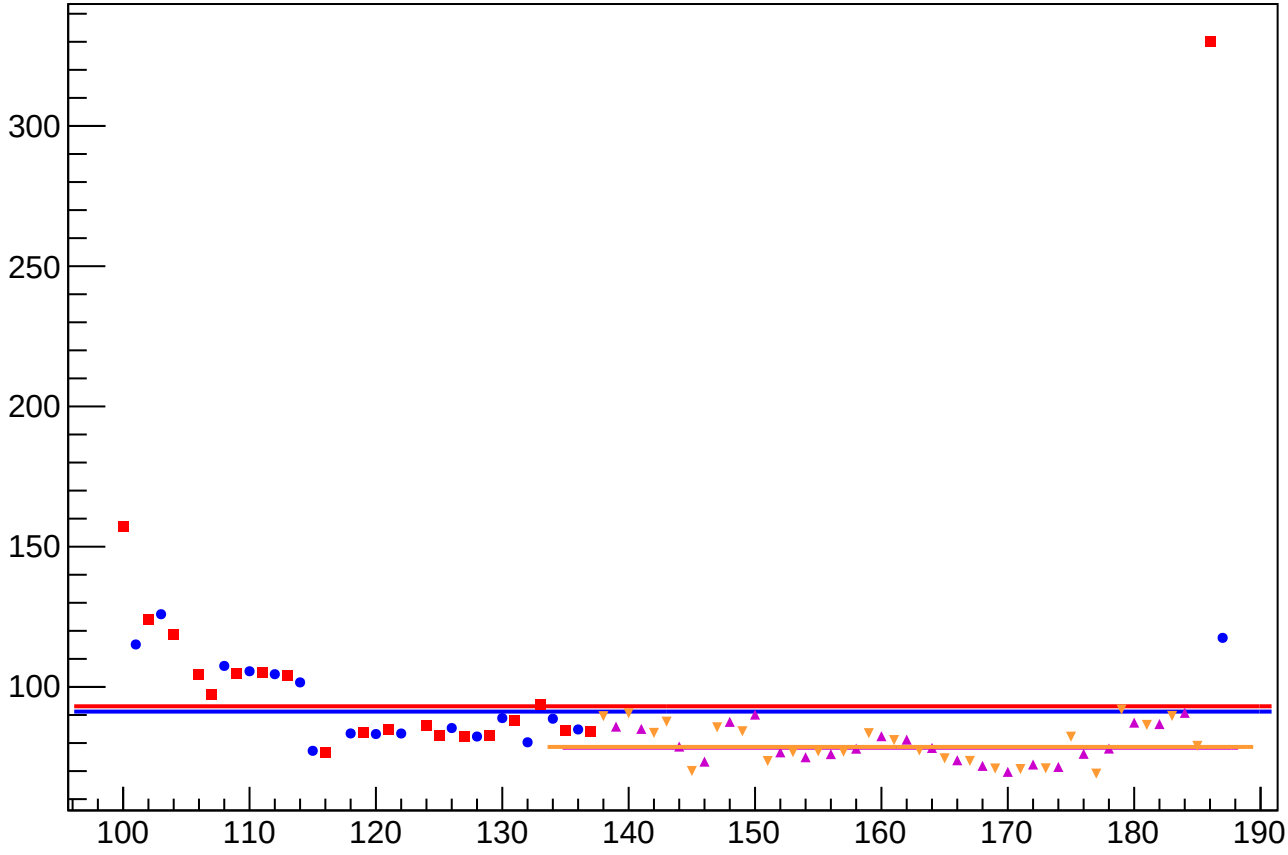
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.572+/-15.869 χ^2/NDF: 73.4/41

All: -6.463+/-11.331 χ^2/NDF: 133.2/84

- sign -36.667+/-16.185 χ^2/NDF: 53.0/42

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 91.211+/-0.024 χ^2/NDF: 291447.7/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

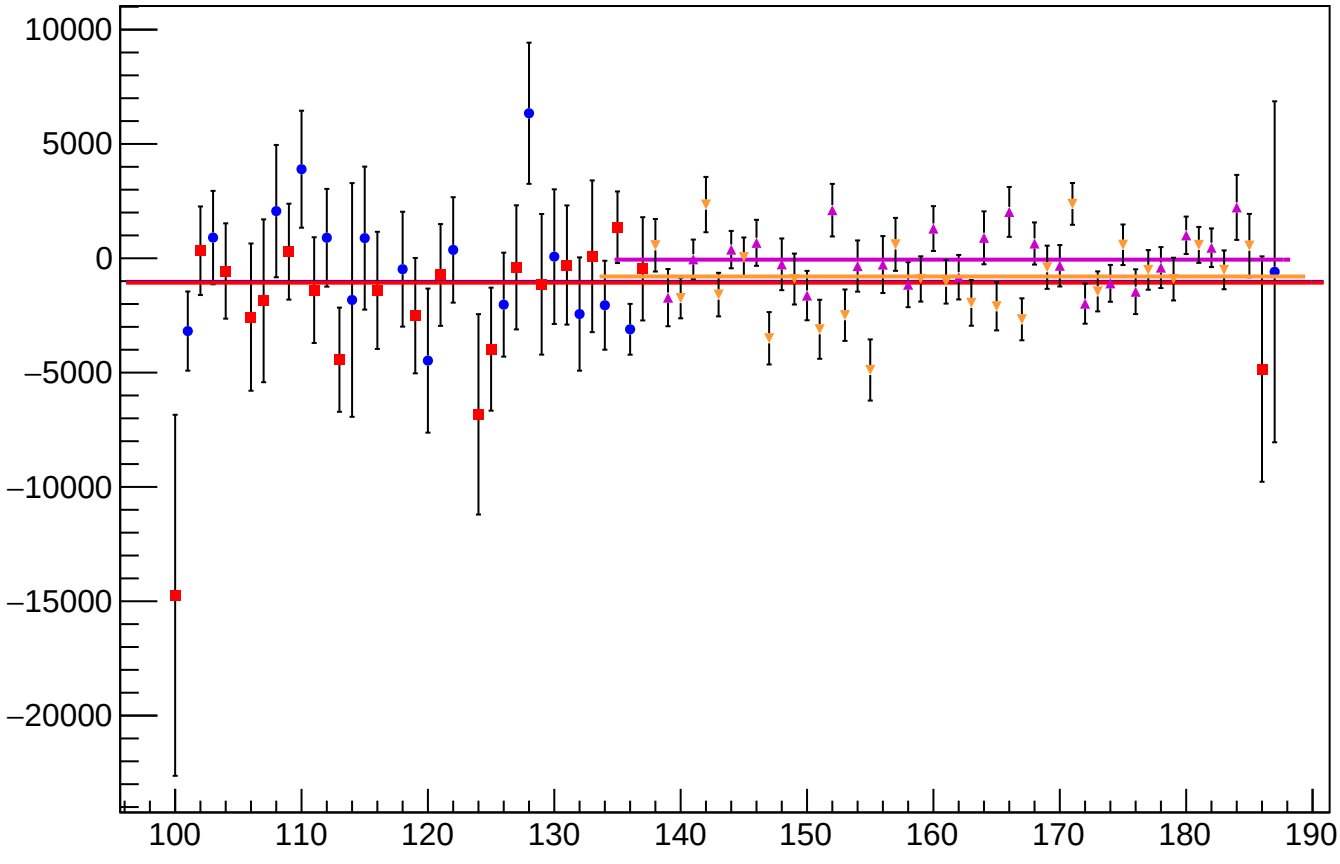
Right Out: 93.102+/-0.024 χ^2/NDF: 704595.2/19

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.376+/-0.011 χ^2/NDF: 814107.0/41

All: 81.512+/-0.008 χ^2/NDF: 2018193.4/84

- sign 81.653+/-0.011 χ^2/NDF: 1203789.4/42



Right In: -1032.608+/-548.717 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1065.895+/-566.003 χ^2/NDF: 13.1/19

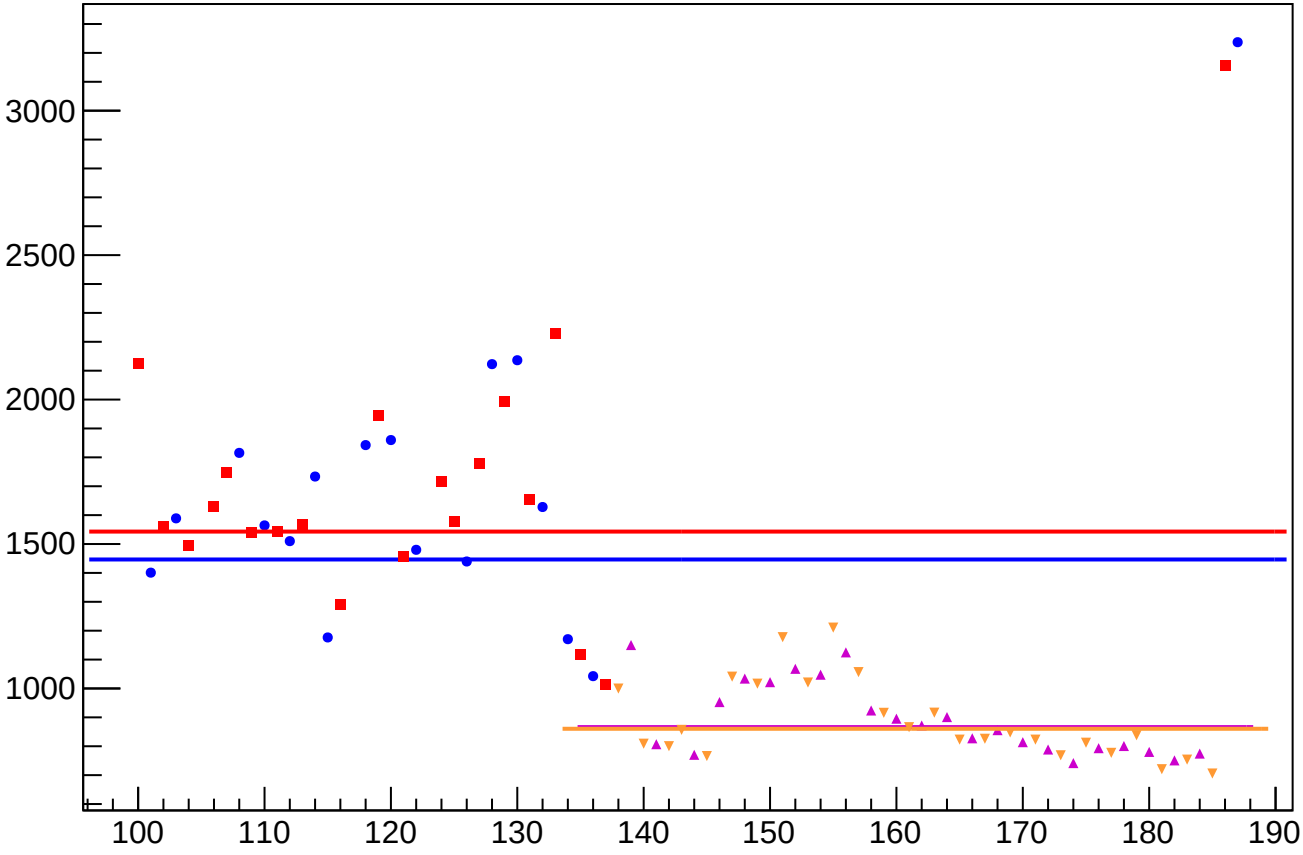
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.115+/-186.149 χ^2/NDF: 79.9/41

All: -510.378+/-133.742 χ^2/NDF: 132.1/84

- sign -175.638+/-192.279 χ^2/NDF: 46.3/42

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1446.486+/-0.388 χ^2/NDF: 791628.9/16

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1543.066+/-0.400 χ^2/NDF: 715732.1/19

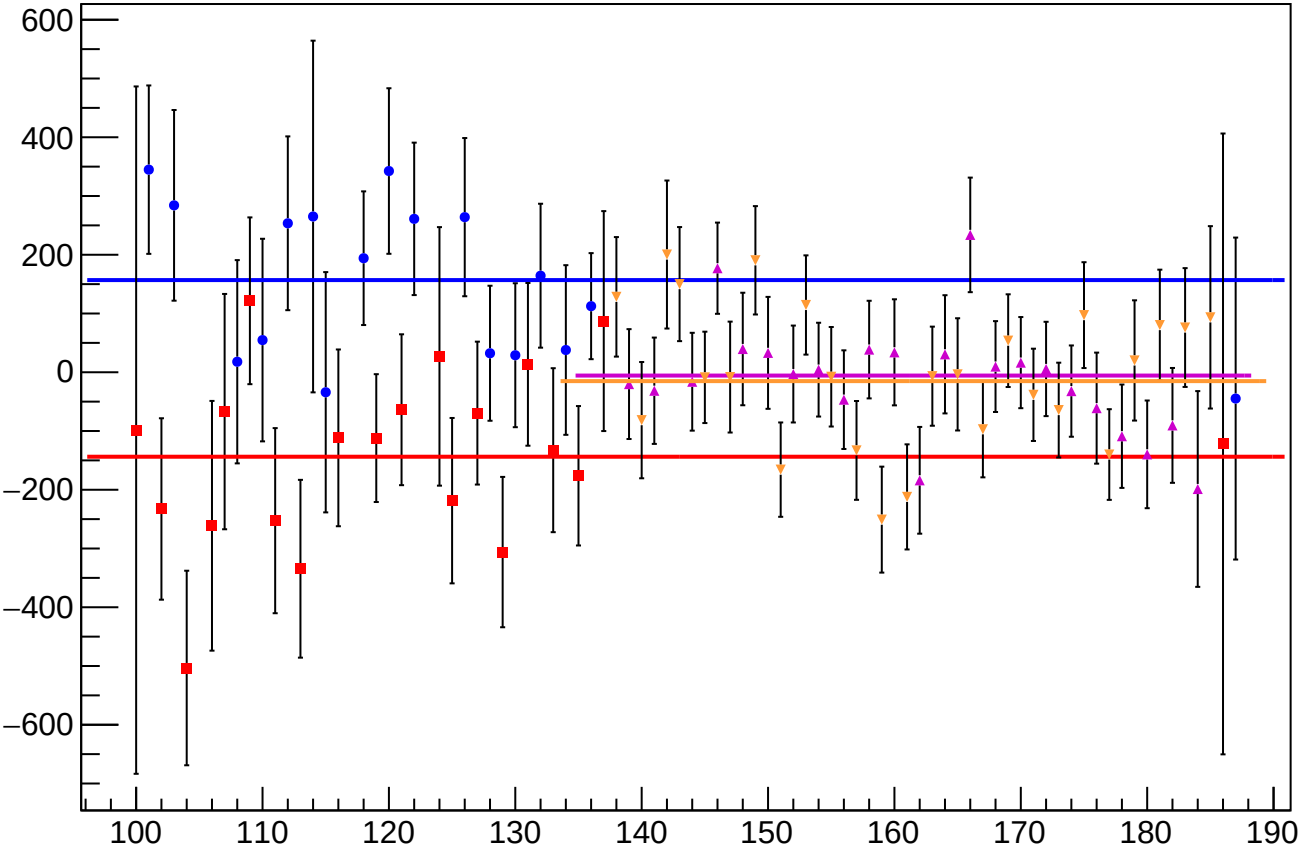
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 927.932+/-0.132 χ^2/NDF: 3509341.7/41

All: 935.923+/-0.095 χ^2/NDF: 7374938.6/84

- sign 944.448+/-0.136 χ^2/NDF: 3857980.0/42

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 156.884+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -143.771+/-34.144 χ^2/NDF: 17.3/19

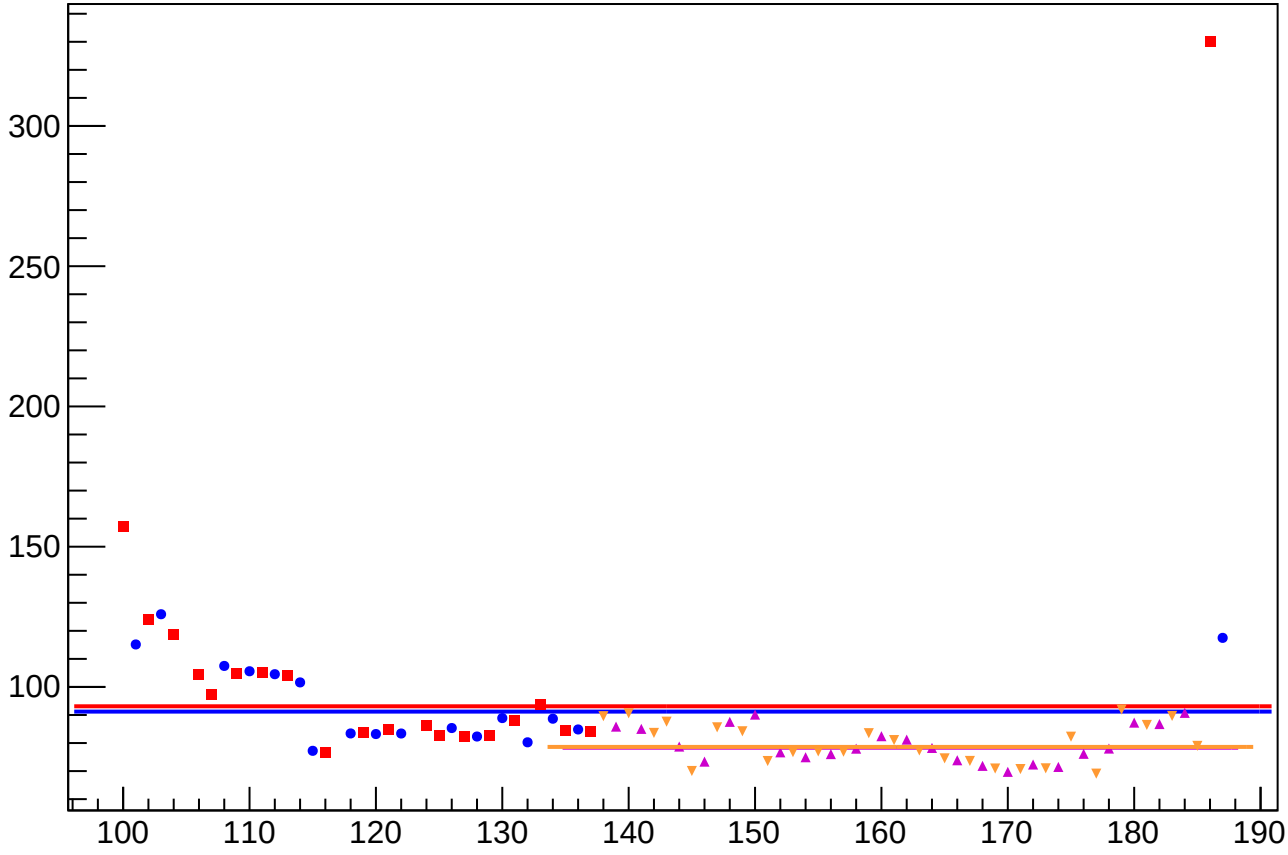
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.572+/-15.869 χ^2/NDF: 73.4/41

All: -6.463+/-11.331 χ^2/NDF: 133.2/84

- sign -36.667+/-16.185 χ^2/NDF: 53.0/42

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 91.211+/-0.024 χ^2/NDF: 291447.7/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

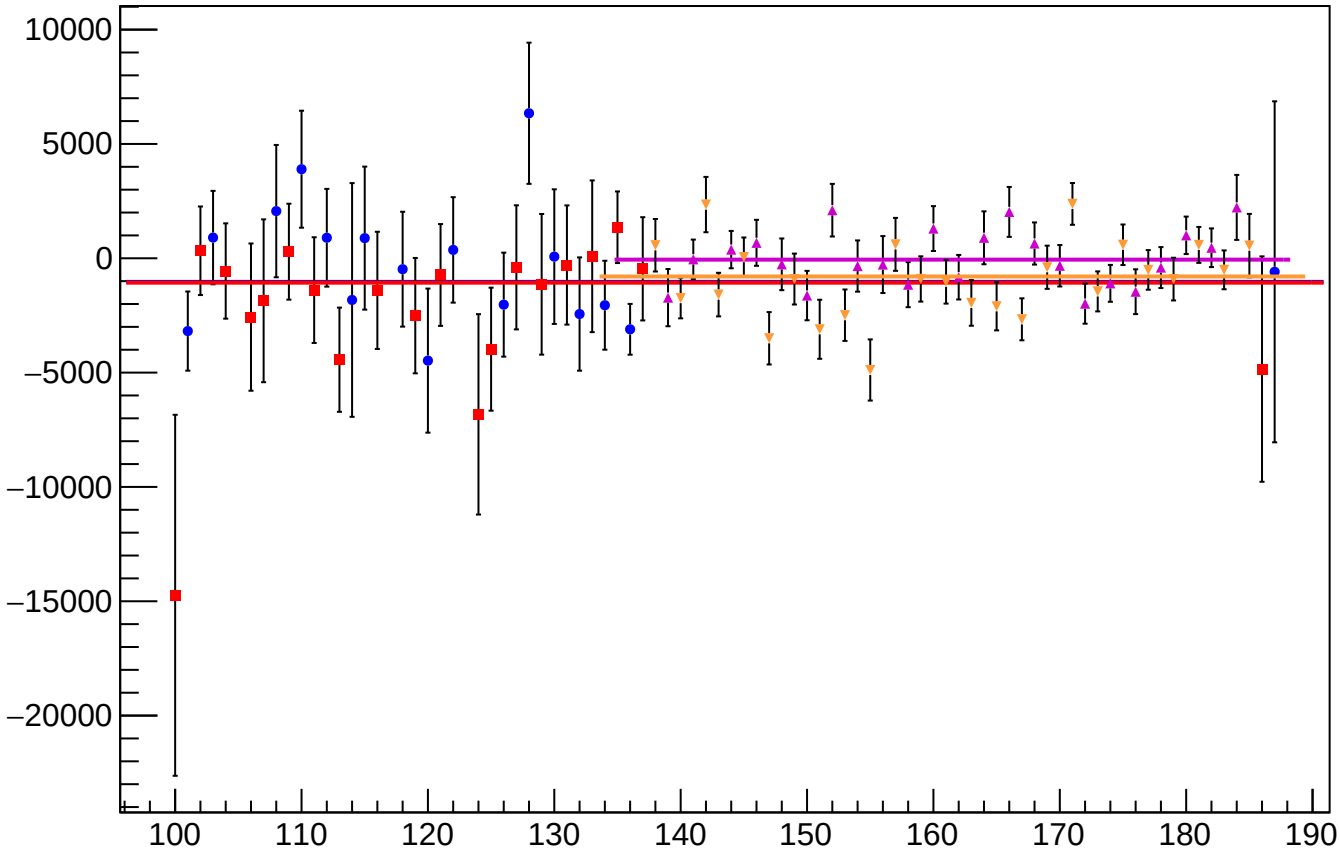
Right Out: 93.102+/-0.024 χ^2/NDF: 704595.2/19

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 81.376+/-0.011 χ^2/NDF: 814107.0/41

All: 81.512+/-0.008 χ^2/NDF: 2018193.4/84

- sign 81.653+/-0.011 χ^2/NDF: 1203789.4/42



Right In: -1032.608+/-548.717 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

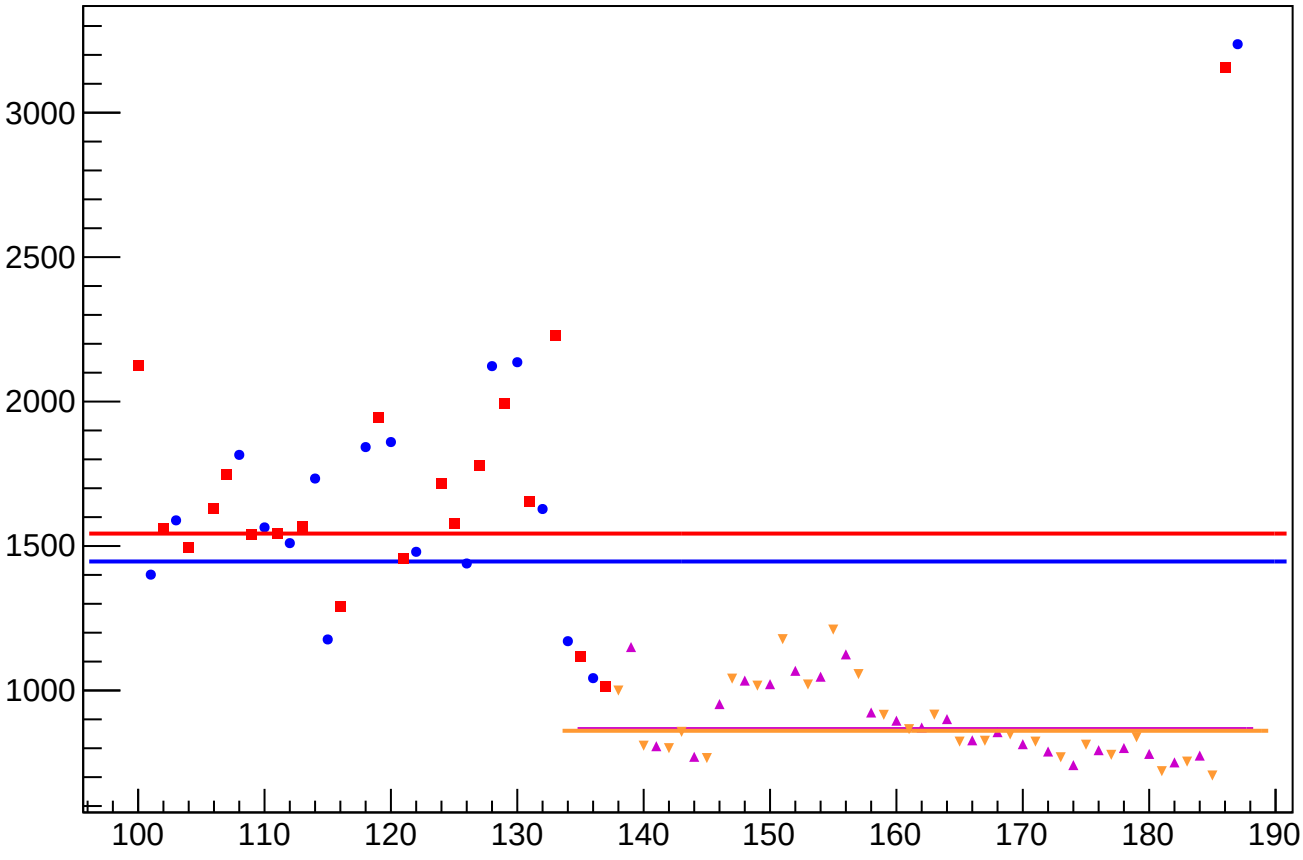
Right Out: -1065.895+/-566.003 χ^2/NDF: 13.1/19

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -824.115+/-186.149 χ^2/NDF: 79.9/41

All: -510.378+/-133.742 χ^2/NDF: 132.1/84

- sign -175.638+/-192.279 χ^2/NDF: 46.3/42



Right In: 1446.486+/-0.388 χ^2/NDF: 791628.9/16

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1543.066+/-0.400 χ^2/NDF: 715732.1/19

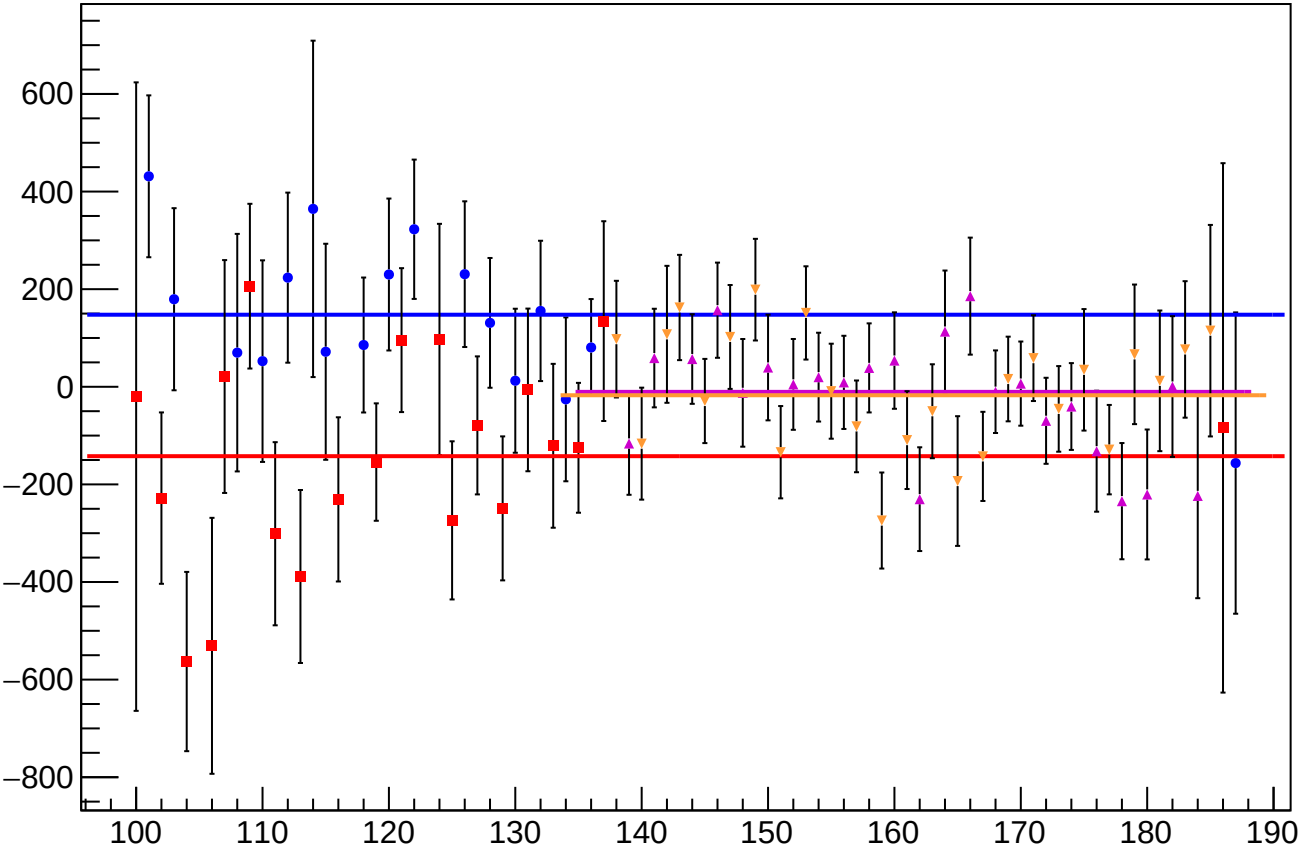
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 927.932+/-0.132 χ^2/NDF: 3509341.7/41

All: 935.923+/-0.095 χ^2/NDF: 7374938.6/84

- sign 944.448+/-0.136 χ^2/NDF: 3857980.0/42

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 147.663+/-39.128 χ^2/NDF: 9.6/16

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -142.191+/-39.237 χ^2/NDF: 22.9/19

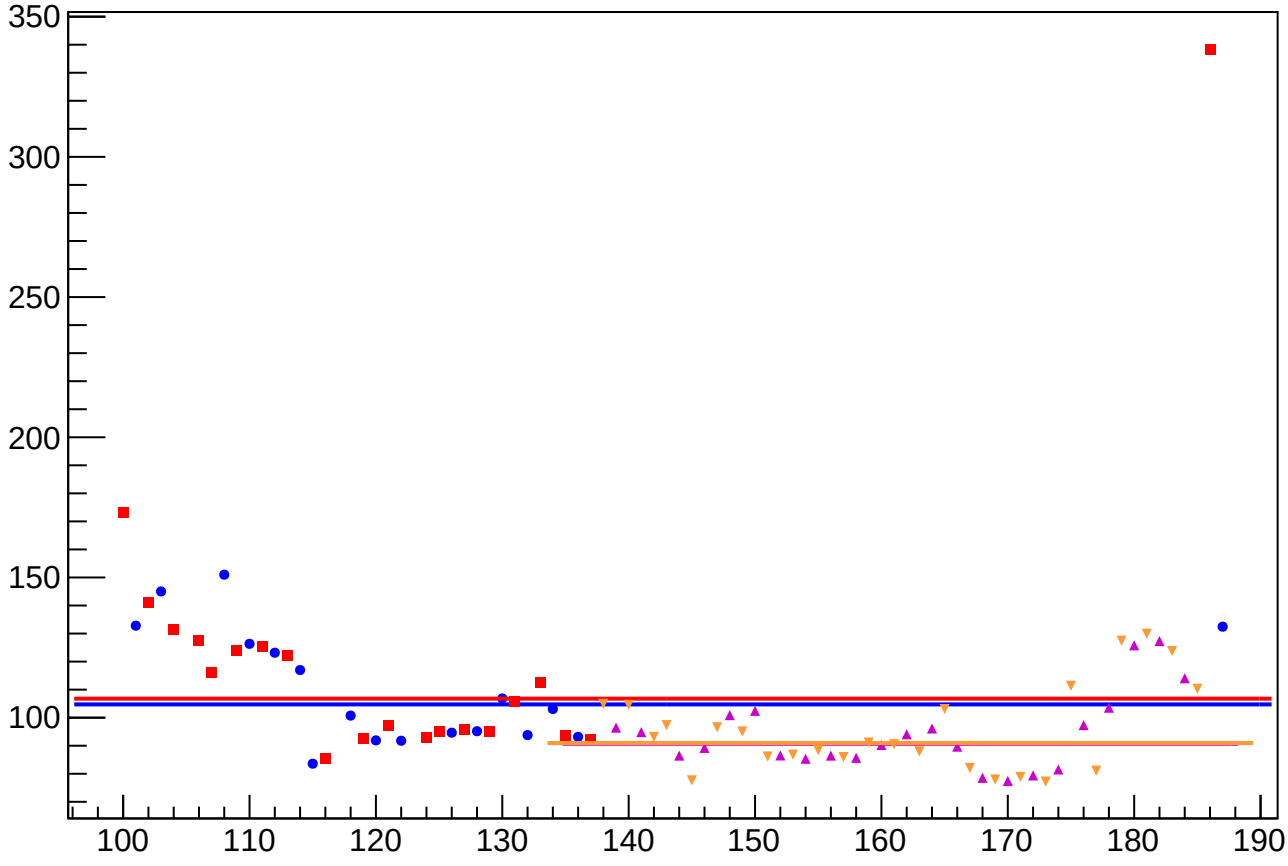
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 19.511+/-18.494 χ^2/NDF: 54.6/41

All: -10.083+/-13.204 χ^2/NDF: 114.1/84

- sign -40.849+/-18.857 χ^2/NDF: 54.2/42

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.739+/-0.028 χ^2/NDF: 394695.9/16

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 106.786+/-0.028 χ^2/NDF: 710613.4/19

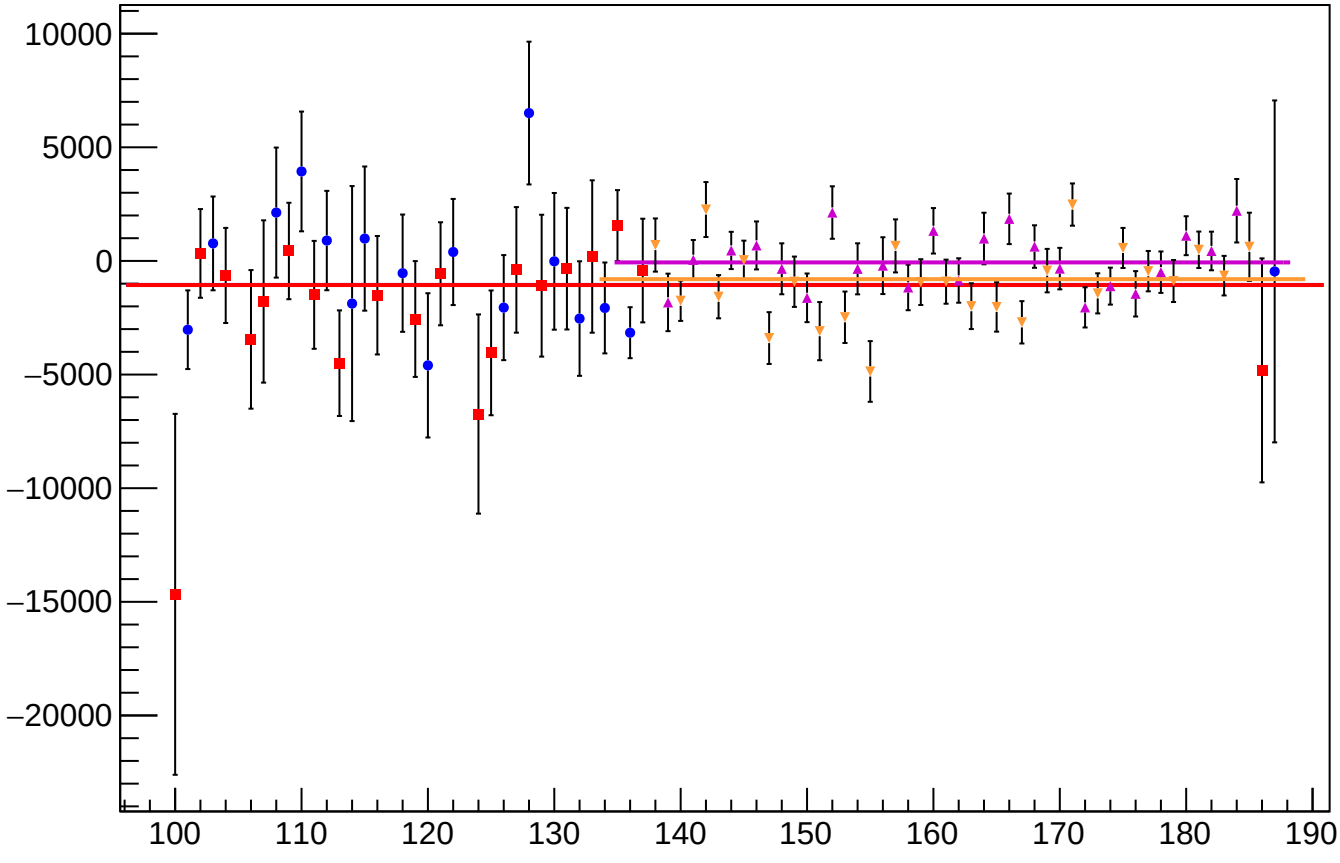
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 94.044+/-0.013 χ^2/NDF: 1371630.2/41

All: 94.222+/-0.009 χ^2/NDF: 2887408.1/84

- sign 94.408+/-0.013 χ^2/NDF: 1515397.9/42

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1056.088+/-556.119 χ^2/NDF: 20.0/16

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1061.042+/-571.224 χ^2/NDF: 13.9/19

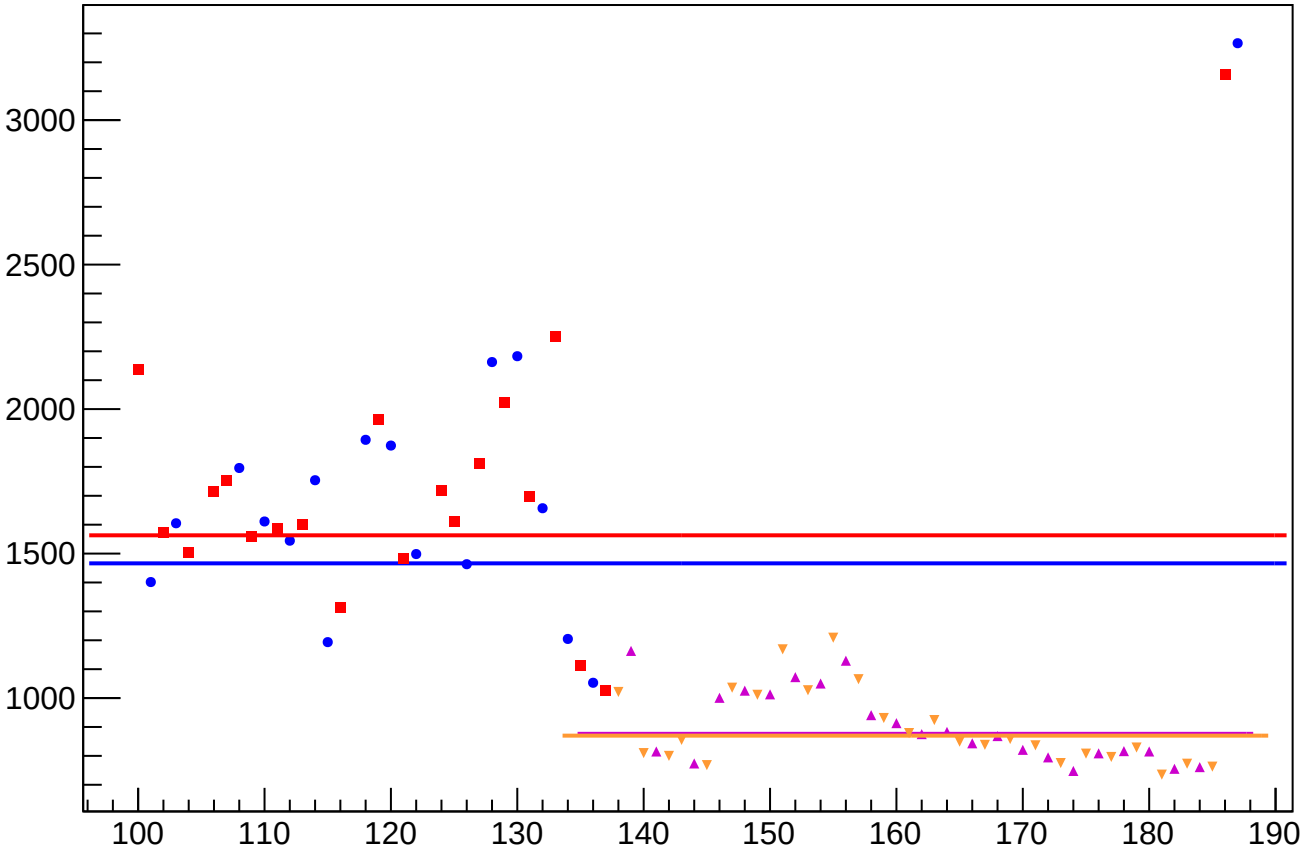
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.532+/-188.075 χ^2/NDF: 78.5/41

All: -516.687+/-135.152 χ^2/NDF: 131.6/84

- sign -180.491+/-194.347 χ^2/NDF: 47.3/42

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1466.193+/-0.393 χ^2/NDF: 799924.8/16

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1563.233+/-0.404 χ^2/NDF: 731485.8/19

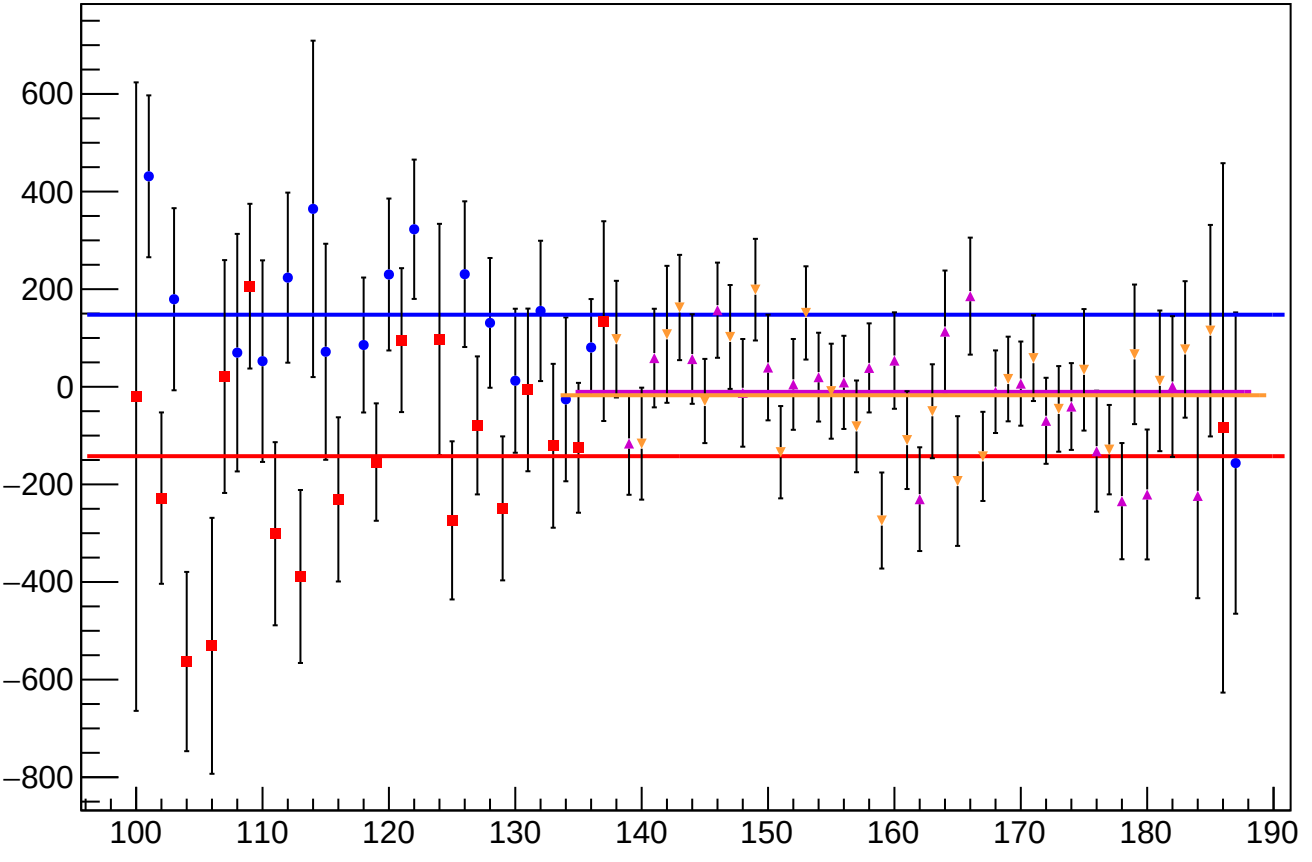
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 938.197+/-0.133 χ^2/NDF: 3482863.8/41

All: 946.706+/-0.096 χ^2/NDF: 7377736.5/84

- sign 955.793+/-0.137 χ^2/NDF: 3886406.1/42

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 147.664+/-39.128 χ^2/NDF: 9.6/16

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -142.189+/-39.237 χ^2/NDF: 22.9/19

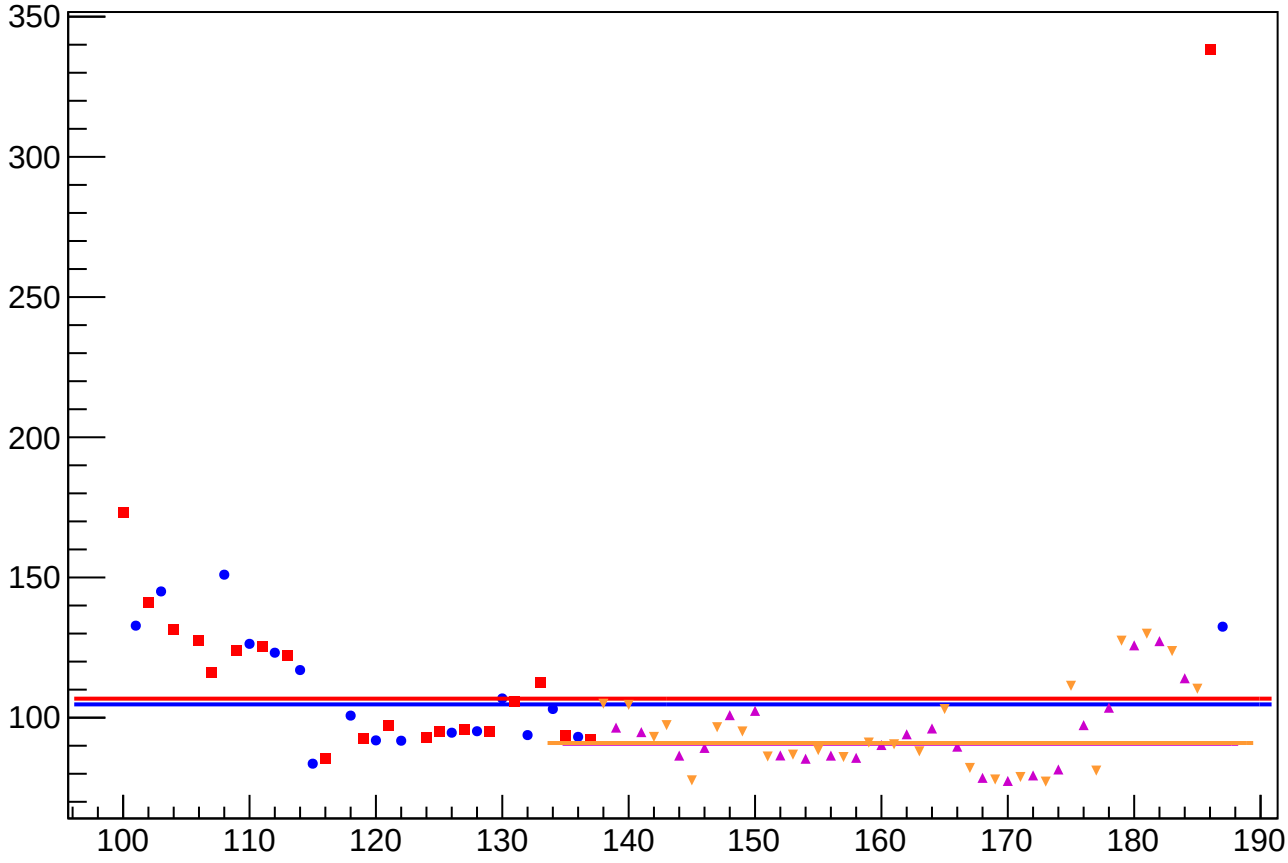
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 19.511+/-18.494 χ^2/NDF: 54.6/41

All: -10.082+/-13.204 χ^2/NDF: 114.1/84

- sign -40.848+/-18.857 χ^2/NDF: 54.2/42

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 104.738+/-0.028 χ^2/NDF: 394697.6/16

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

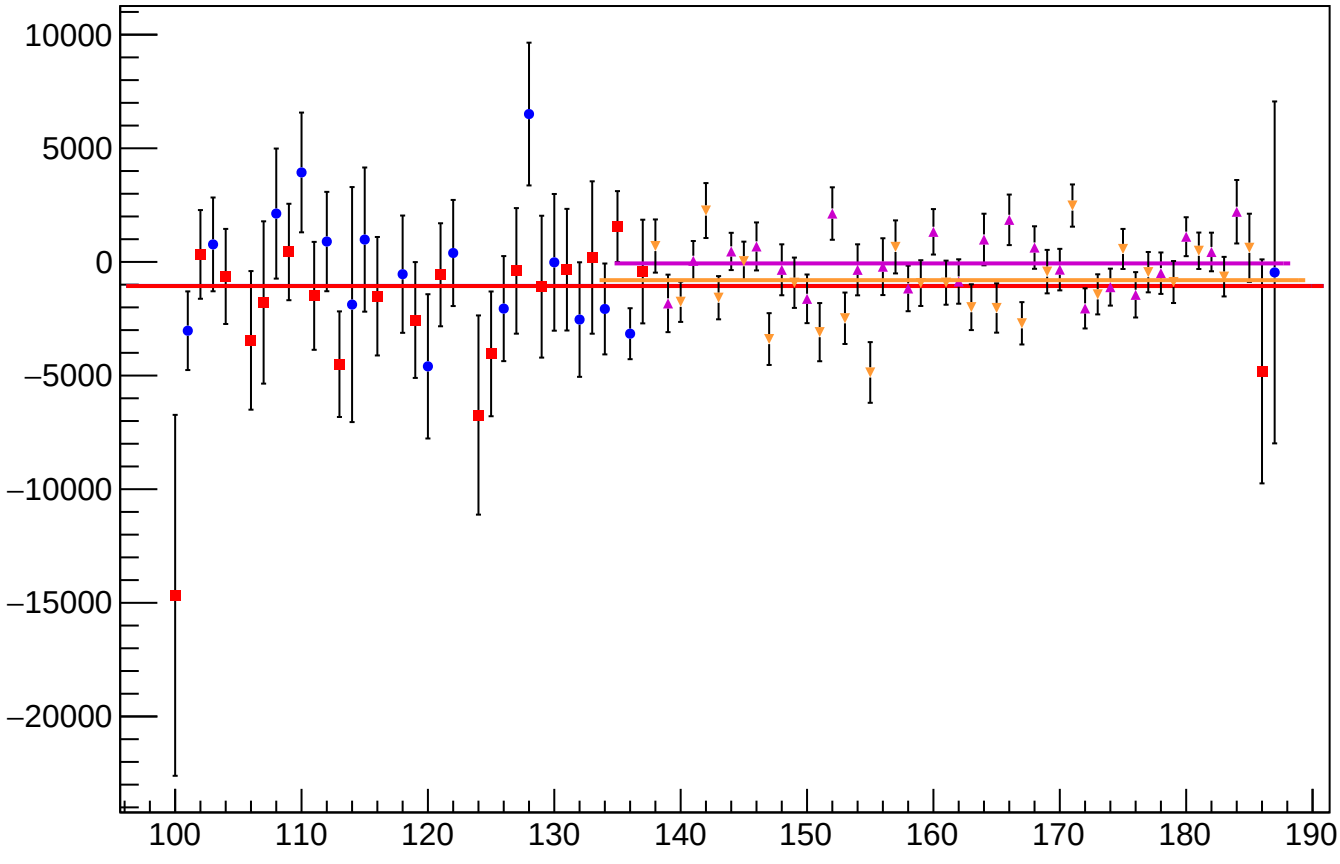
Right Out: 106.785+/-0.028 χ^2/NDF: 710615.1/19

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

\+ sign 94.043+/-0.013 χ^2/NDF: 1371610.0/41

All: 94.222+/-0.009 χ^2/NDF: 2887360.7/84

\- sign 94.407+/-0.013 χ^2/NDF: 1515370.9/42



Right In: -1056.084+/-556.118 χ^2/NDF: 20.0/16

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

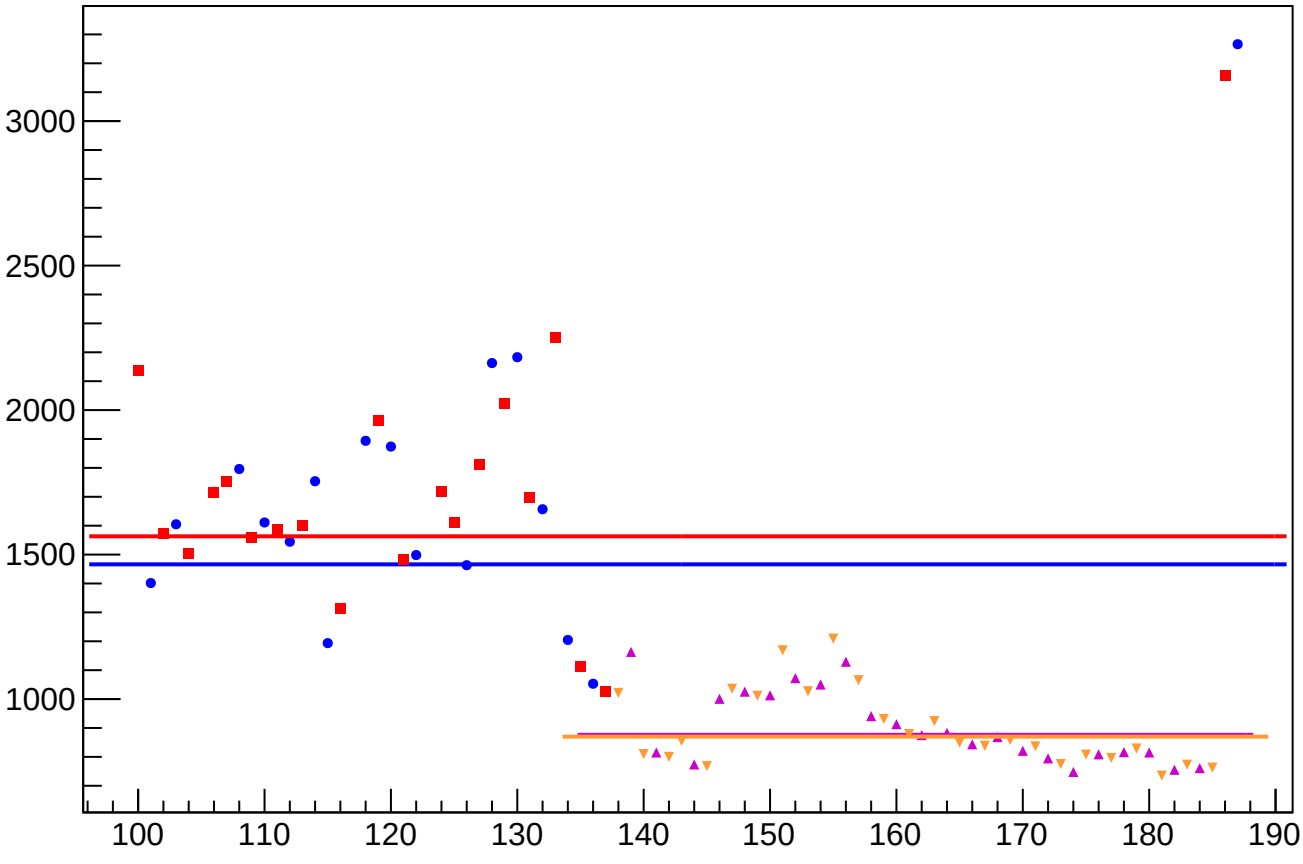
Right Out: -1061.041+/-571.222 χ^2/NDF: 13.9/19

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -831.531+/-188.075 χ^2/NDF: 78.5/41

All: -516.686+/-135.152 χ^2/NDF: 131.6/84

- sign -180.491+/-194.347 χ^2/NDF: 47.3/42



Right In: 1466.191+/-0.393 χ^2/NDF: 799921.8/16

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1563.230+/-0.404 χ^2/NDF: 731486.4/19

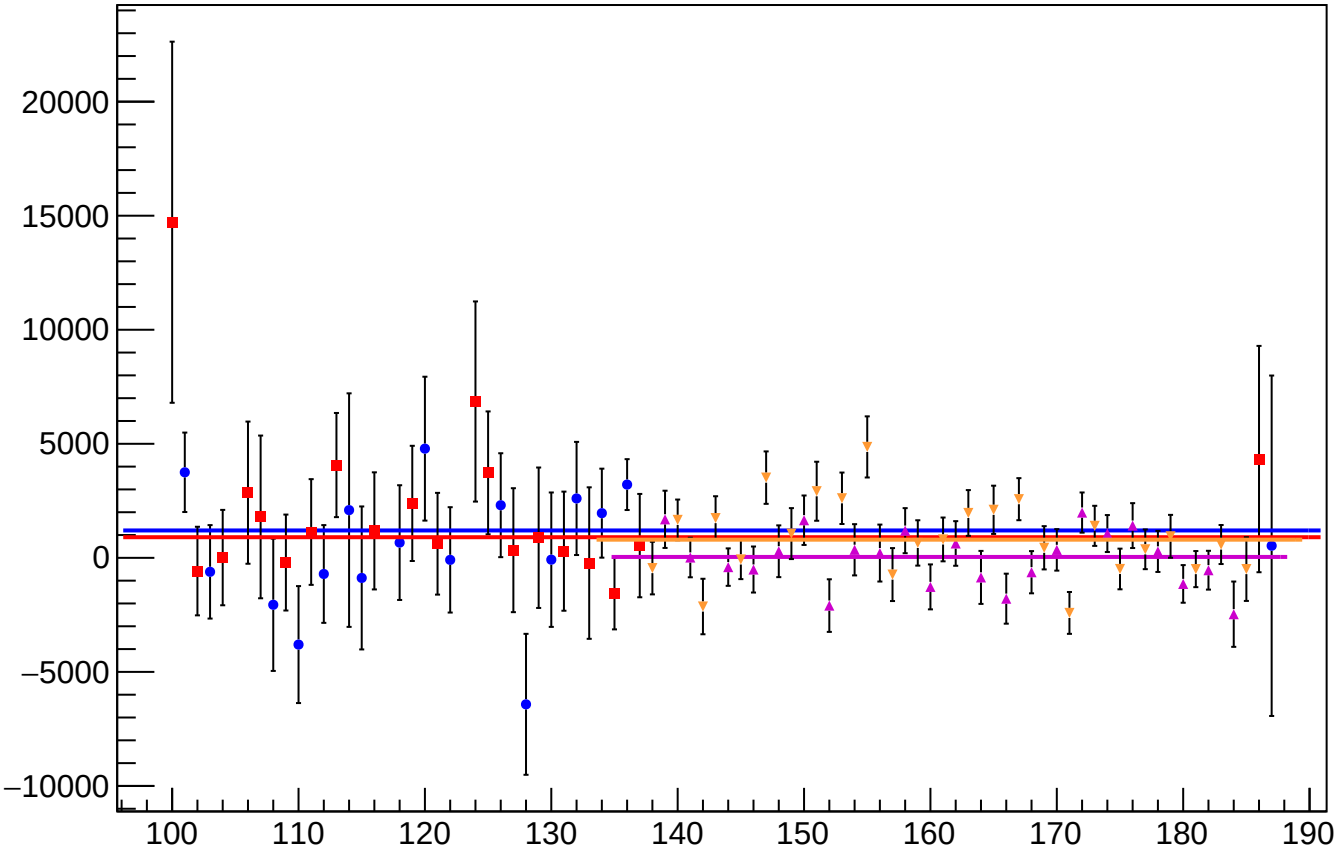
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 938.196+/-0.133 χ^2/NDF: 3482856.9/41

All: 946.706+/-0.096 χ^2/NDF: 7377723.4/84

- sign 955.792+/-0.137 χ^2/NDF: 3886400.1/42

asym_sam_24_68_dd_mean vs Slug



Right In: 1201.023+/-550.227 χ^2/NDF: 21.2/16

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 904.574+/-566.659 χ^2/NDF: 13.0/19

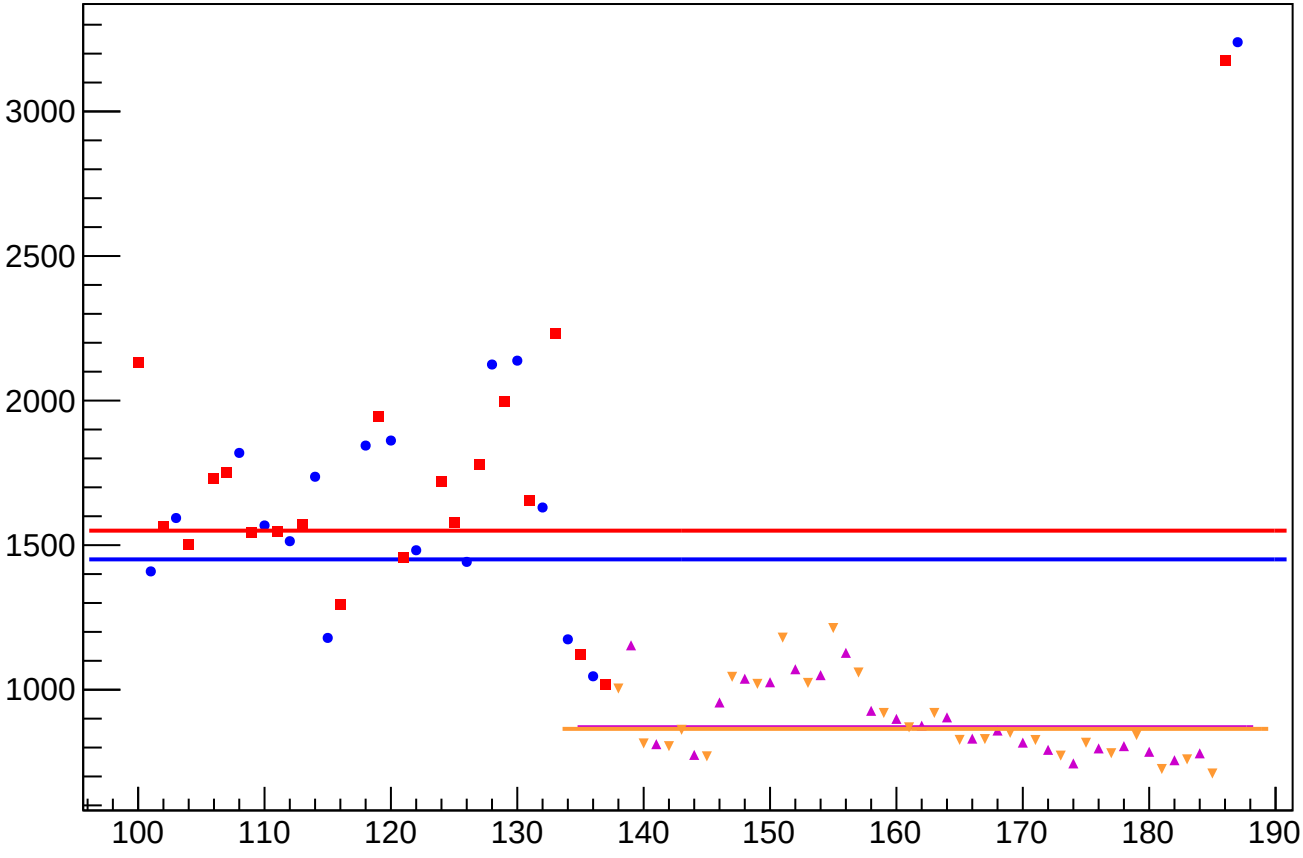
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 843.022+/-186.972 χ^2/NDF: 78.8/41

All: 502.841+/-134.311 χ^2/NDF: 130.4/84

- sign 140.135+/-193.063 χ^2/NDF: 44.8/42

asym_sam_24_68_dd_rms vs Slug



Right In: 1450.802+/-0.389 χ^2/NDF: 786209.1/16

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

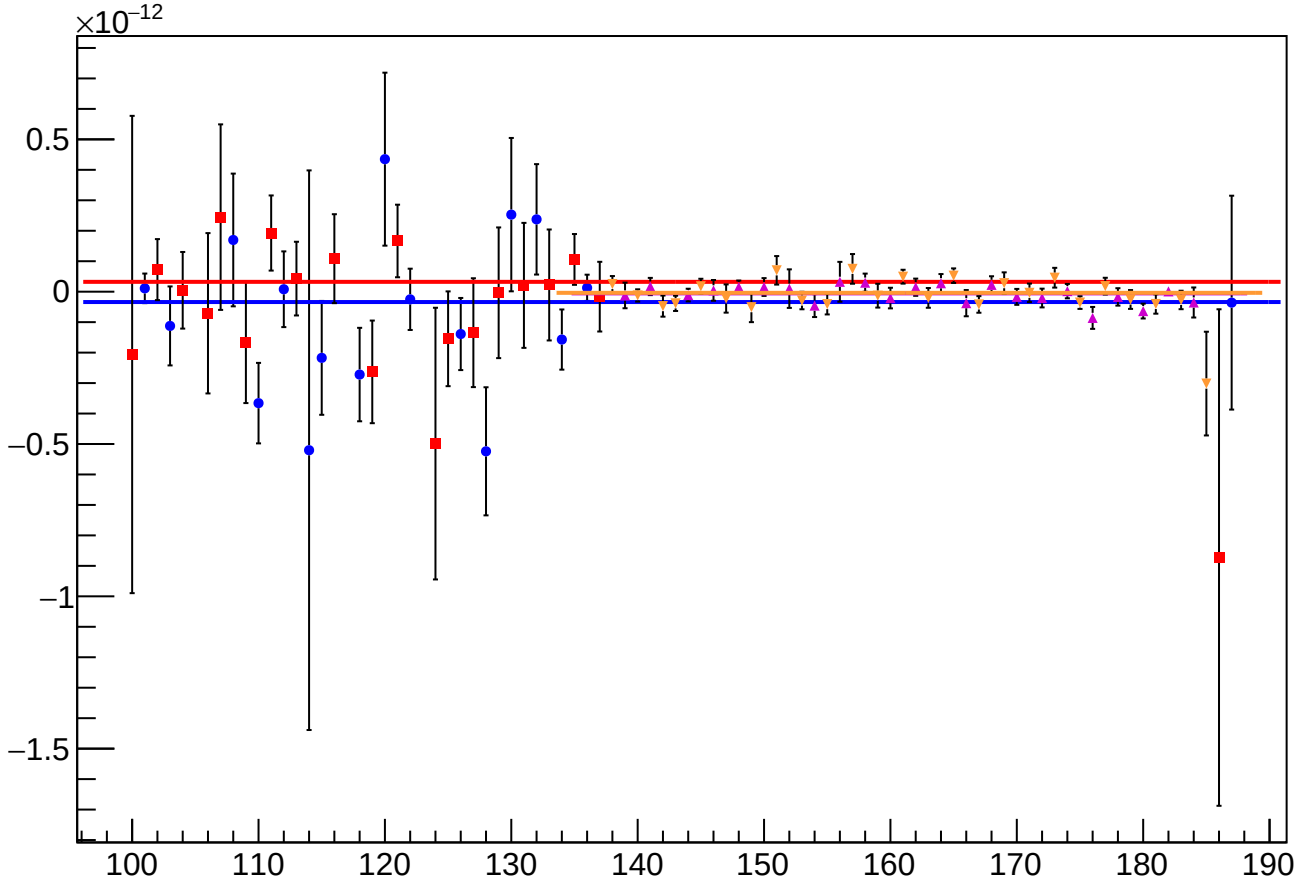
Right Out: 1550.166+/-0.401 χ^2/NDF: 719827.6/19

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 932.321+/-0.132 χ^2/NDF: 3482859.3/41

All: 940.519+/-0.095 χ^2/NDF: 7359564.7/84

- sign 949.259+/-0.137 χ^2/NDF: 3868761.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

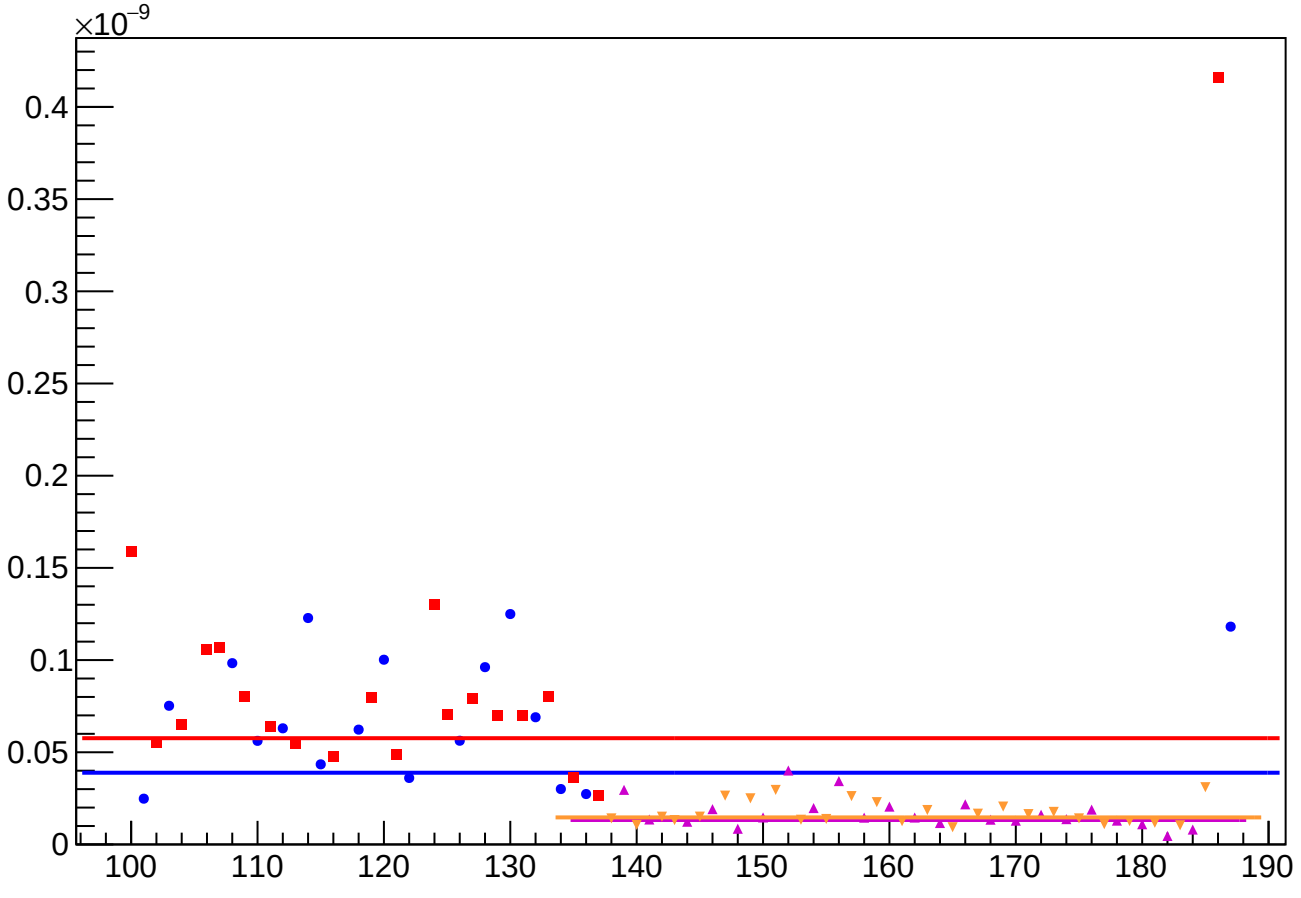
Right Out: 0.000+/-0.000 χ^2/NDF: 14.2/19

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/41

All: -0.000+/-0.000 χ^2/NDF: 103.6/84

- sign -0.000+/-0.000 χ^2/NDF: 36.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 1484715.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1048838.7/19

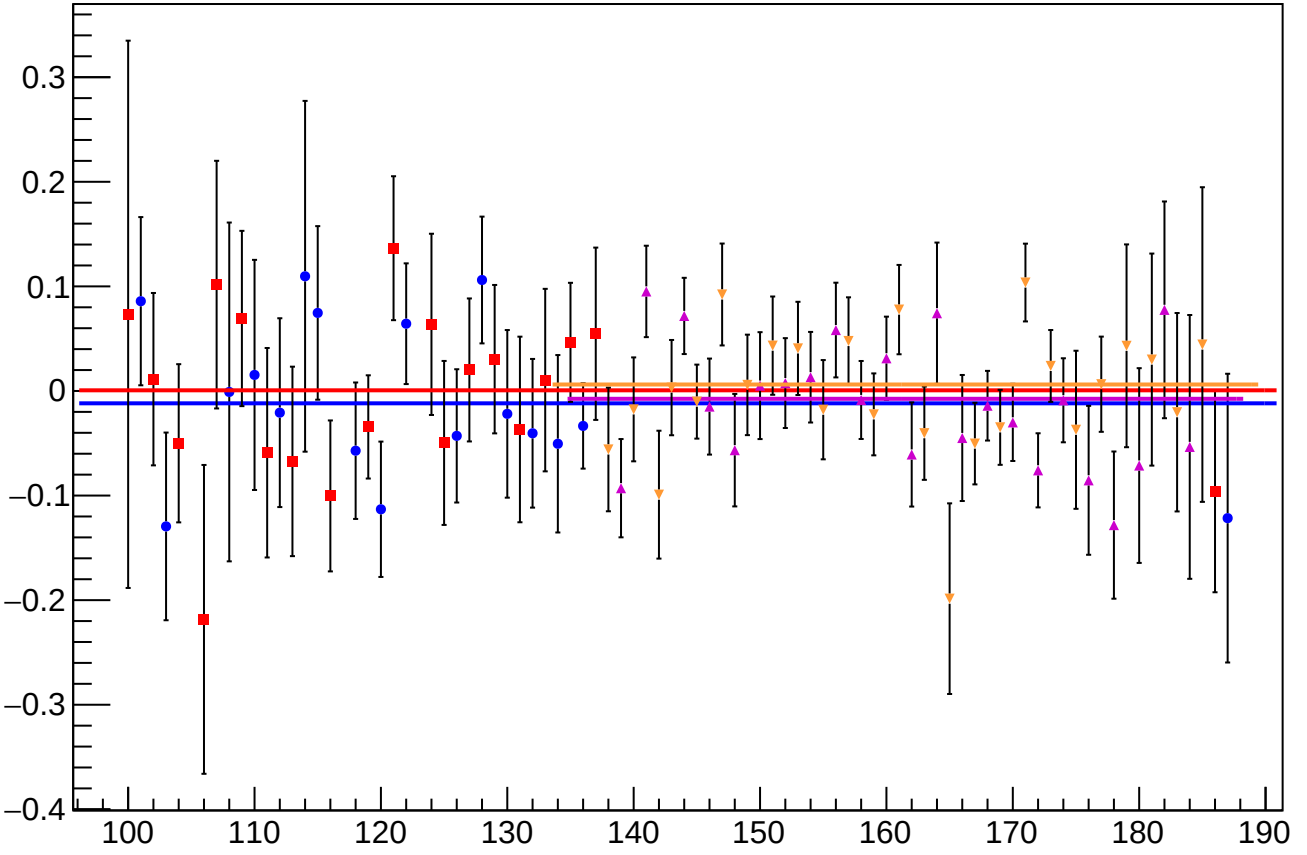
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 4337729.4/41

All: 0.000+/-0.000 χ^2/NDF: 10757834.9/84

- sign 0.000+/-0.000 χ^2/NDF: 6366278.4/42

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.001+/-0.018 χ^2/NDF: 14.9/19

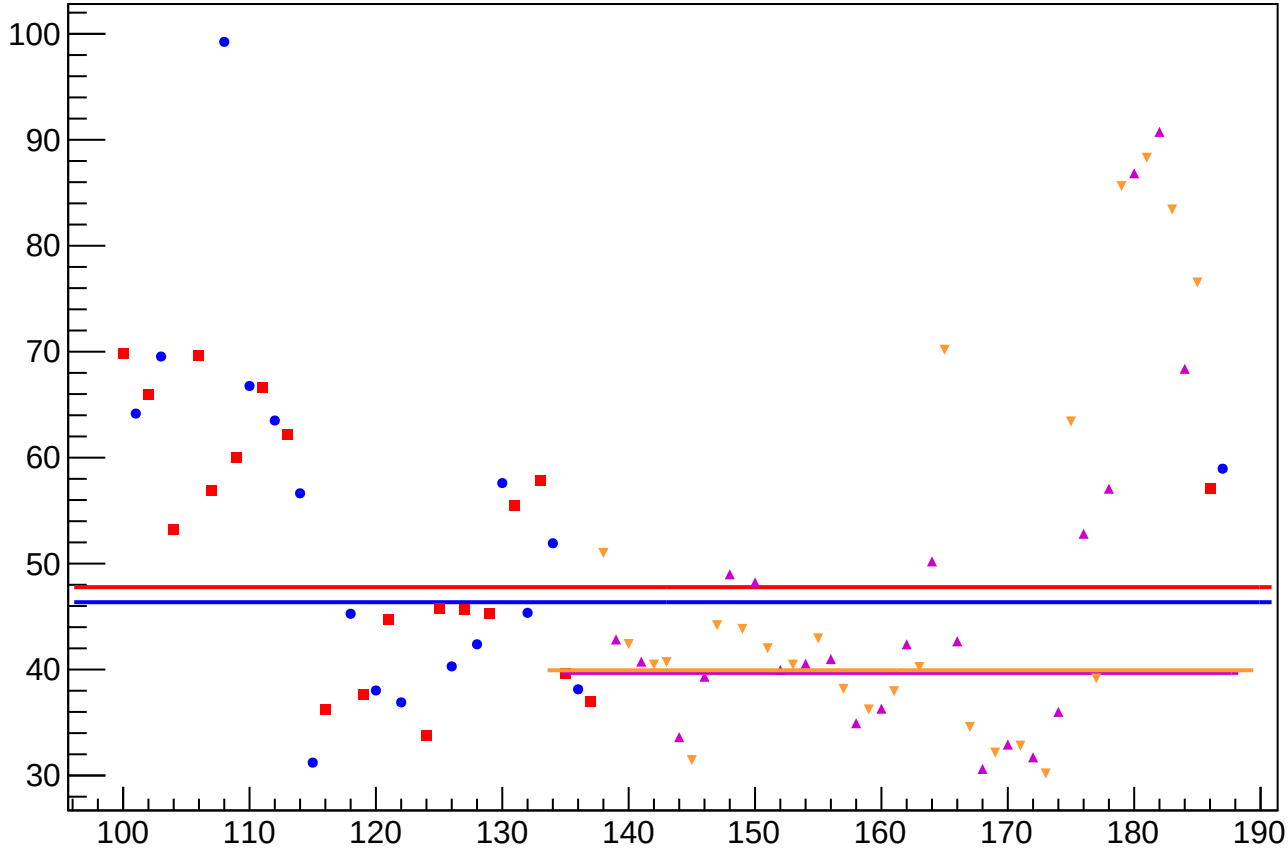
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.5/41

All: -0.002+/-0.006 χ^2/NDF: 92.4/84

- sign -0.006+/-0.009 χ^2/NDF: 45.5/42

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 46.356+/-0.013 χ^2/NDF: 920238.3/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

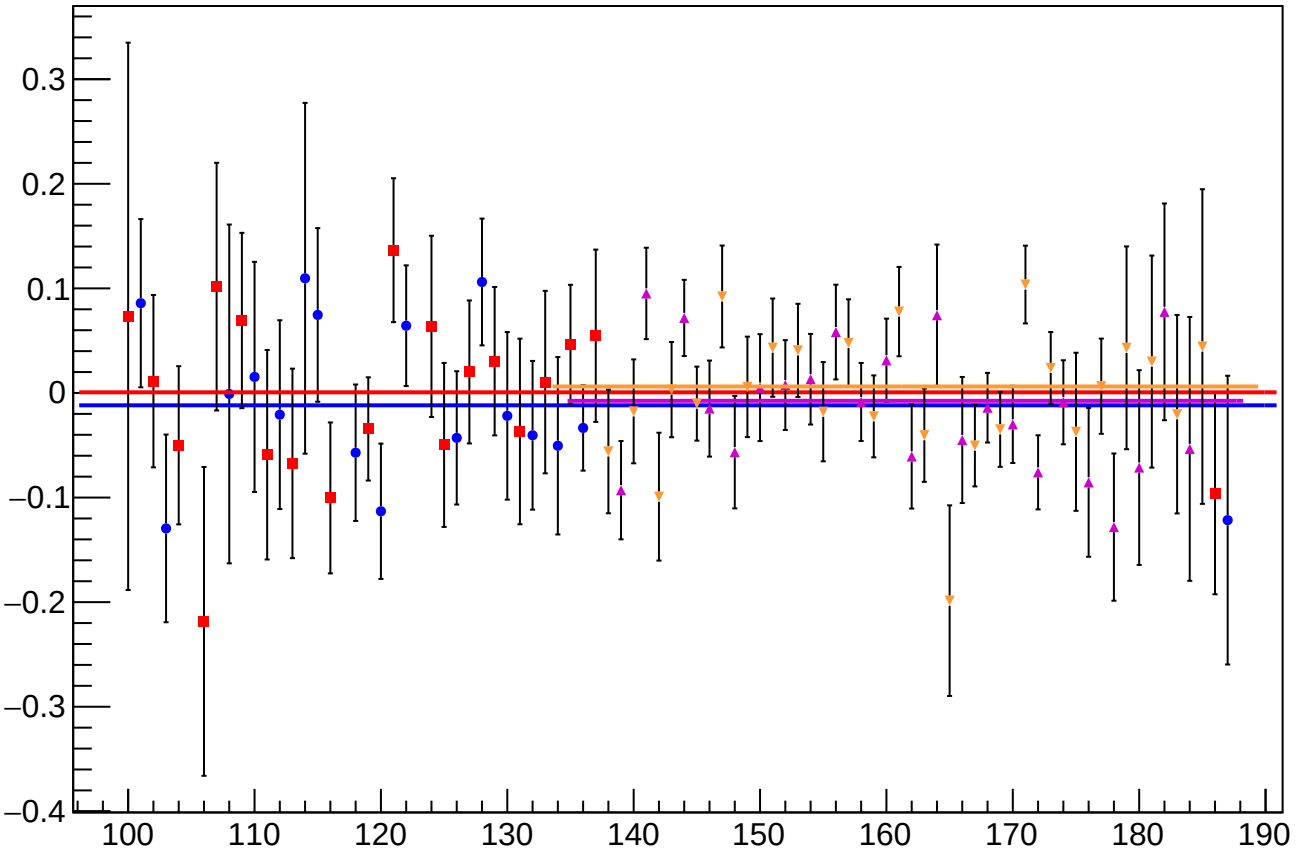
Right Out: 47.776+/-0.013 χ^2/NDF: 673835.3/19

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.366+/-0.006 χ^2/NDF: 3597138.9/41

All: 41.463+/-0.004 χ^2/NDF: 6505302.3/84

- sign 41.563+/-0.006 χ^2/NDF: 2907627.1/42



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

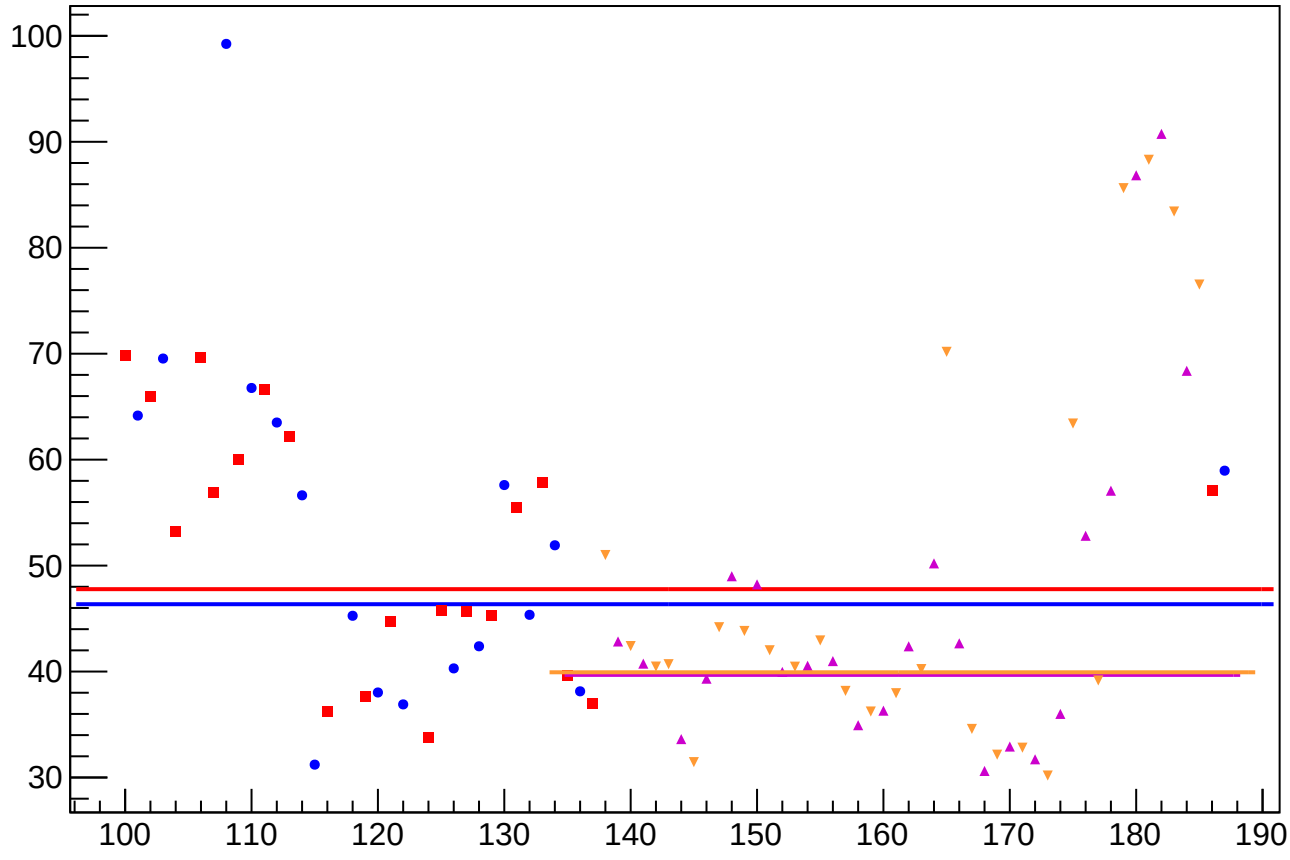
Right Out: 0.001+/-0.018 χ^2/NDF: 14.9/19

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.5/41

All: -0.002+/-0.006 χ^2/NDF: 92.4/84

- sign -0.006+/-0.009 χ^2/NDF: 45.5/42



Right In: 46.356+/-0.013 χ^2/NDF: 920238.3/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

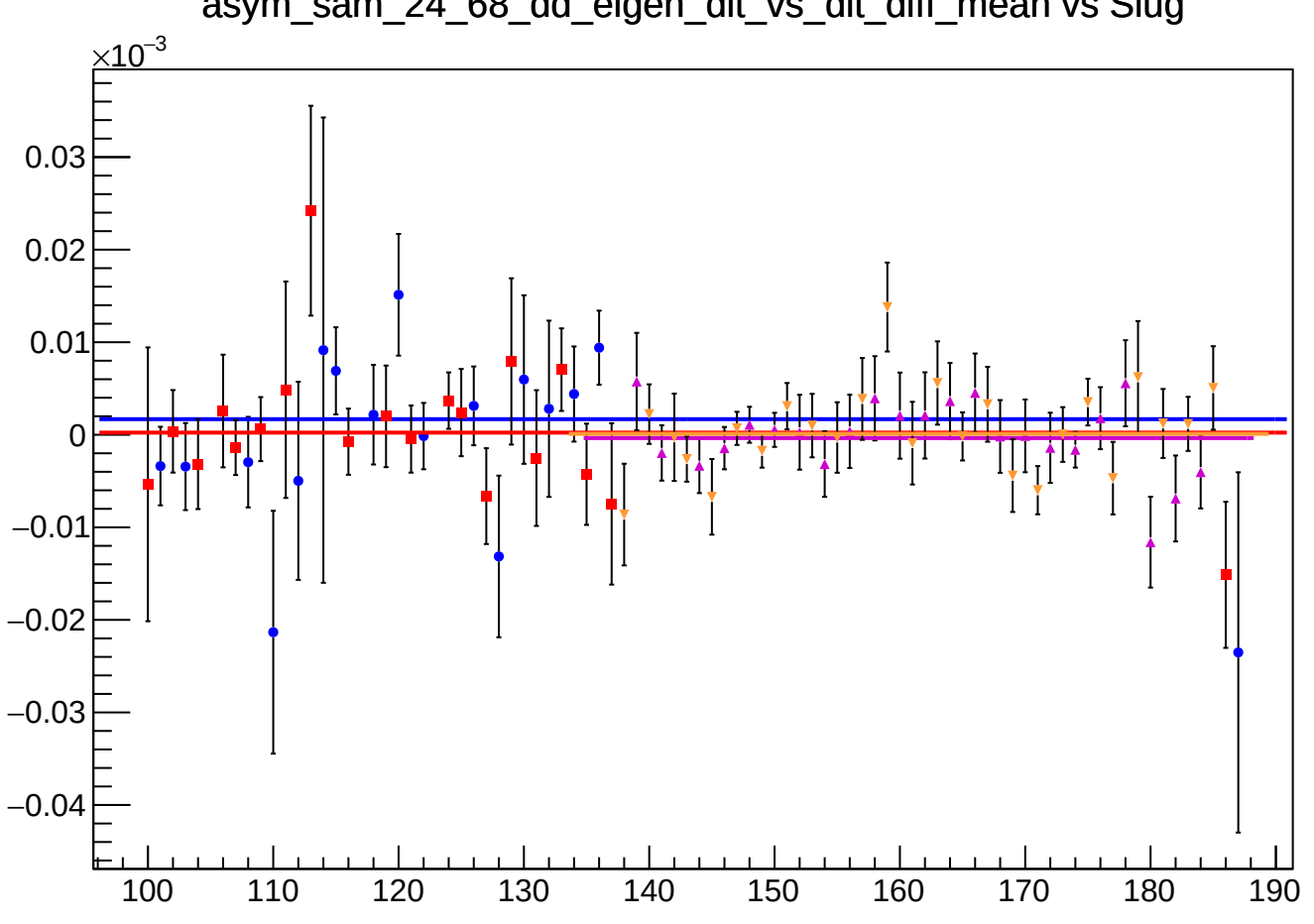
Right Out: 47.776+/-0.013 χ^2/NDF: 673835.3/19

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 41.366+/-0.006 χ^2/NDF: 3597138.9/41

All: 41.463+/-0.004 χ^2/NDF: 6505302.3/84

- sign 41.563+/-0.006 χ^2/NDF: 2907627.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

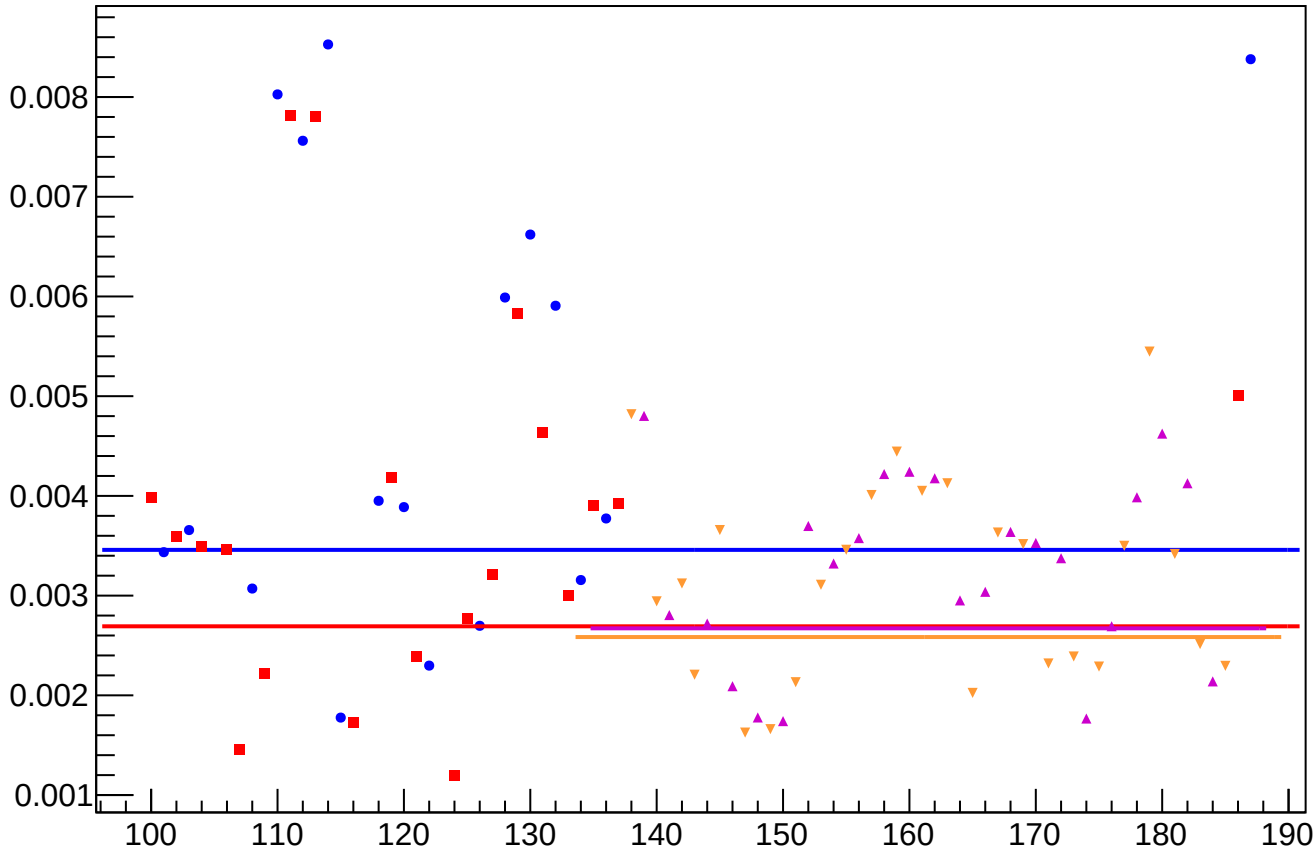
Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/19

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/41

All: 0.000+/-0.000 χ^2/NDF: 93.0/84

- sign -0.000+/-0.000 χ^2/NDF: 36.6/42



Right In: 0.003+/-0.000 χ^2/NDF: 1877007.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

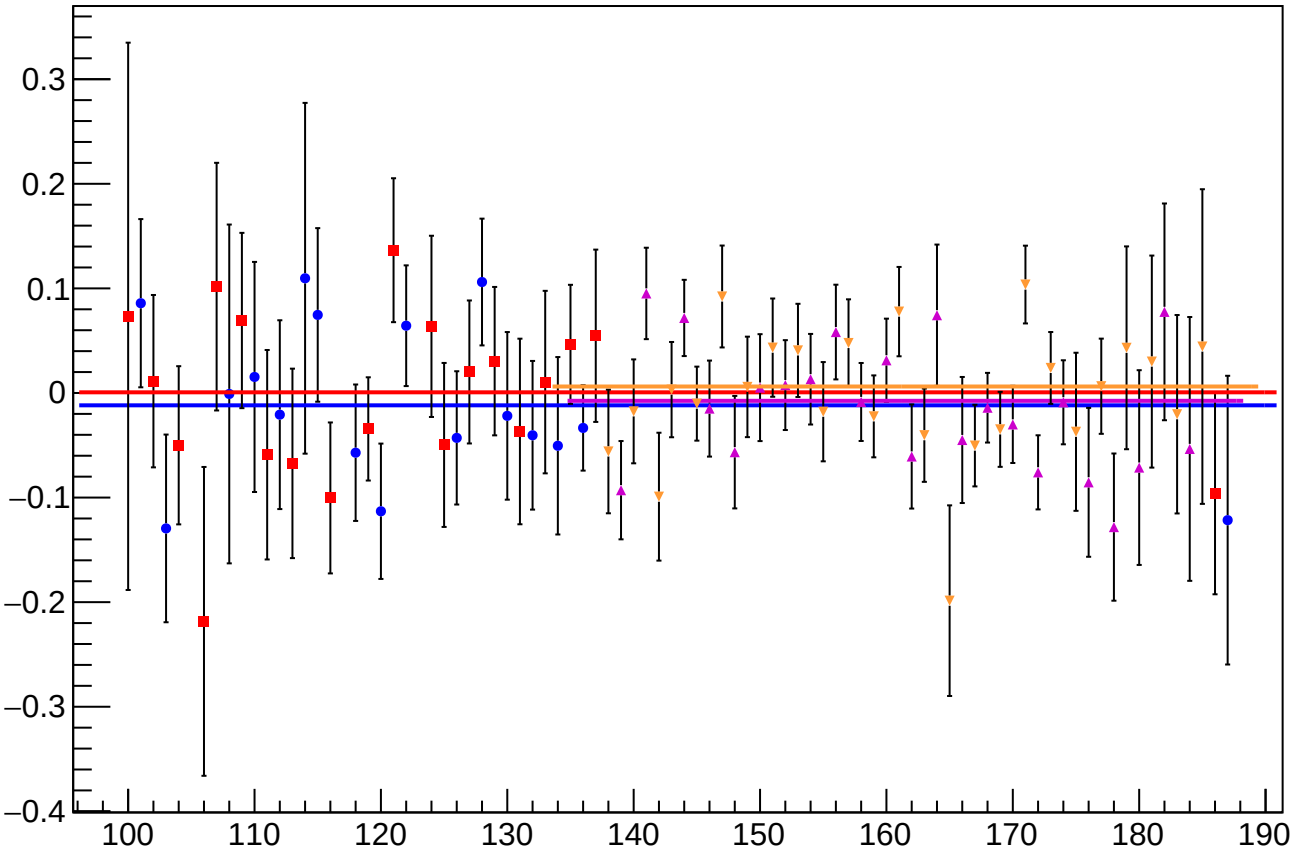
Right Out: 0.003+/-0.000 χ^2/NDF: 2872676.0/19

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 6444258.4/41

All: 0.003+/-0.000 χ^2/NDF: 13153563.5/84

- sign 0.003+/-0.000 χ^2/NDF: 6698842.5/42



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

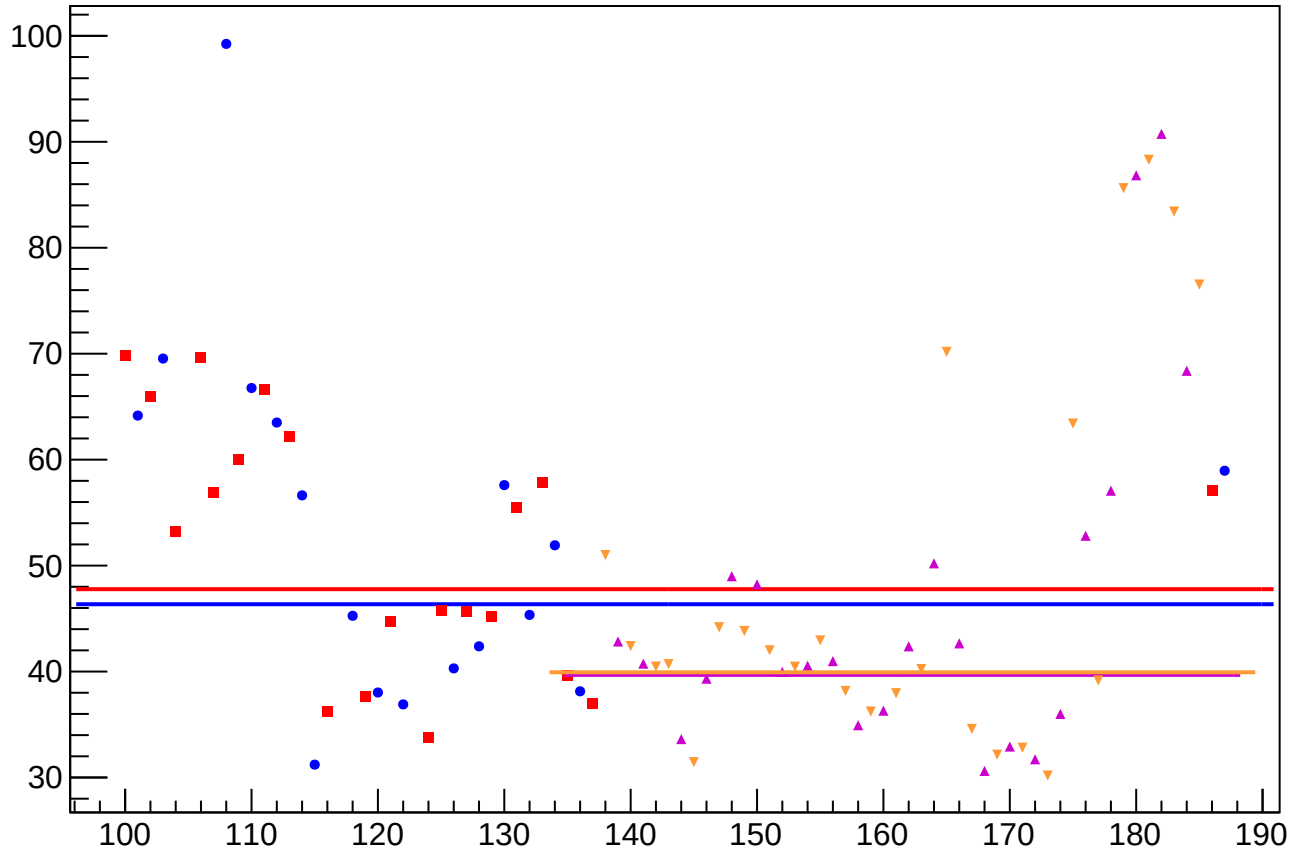
Right Out: 0.001+/-0.018 χ^2/NDF: 14.9/19

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.002+/-0.008 χ^2/NDF: 46.5/41

All: -0.002+/-0.006 χ^2/NDF: 92.4/84

- sign -0.006+/-0.009 χ^2/NDF: 45.5/42



Right In: 46.354+/-0.013 χ^2/NDF: 920204.7/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

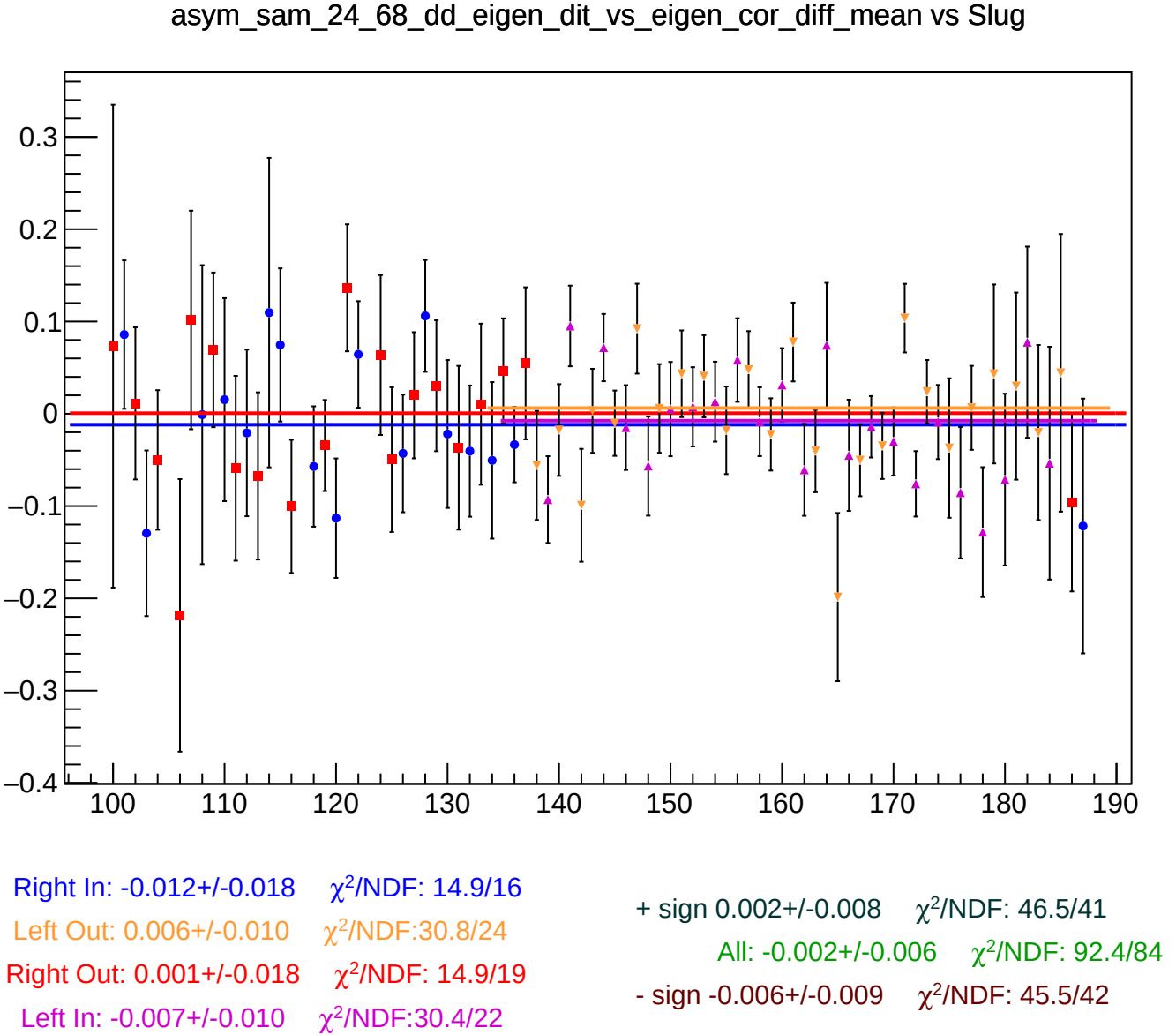
Right Out: 47.775+/-0.013 χ^2/NDF: 673835.1/19

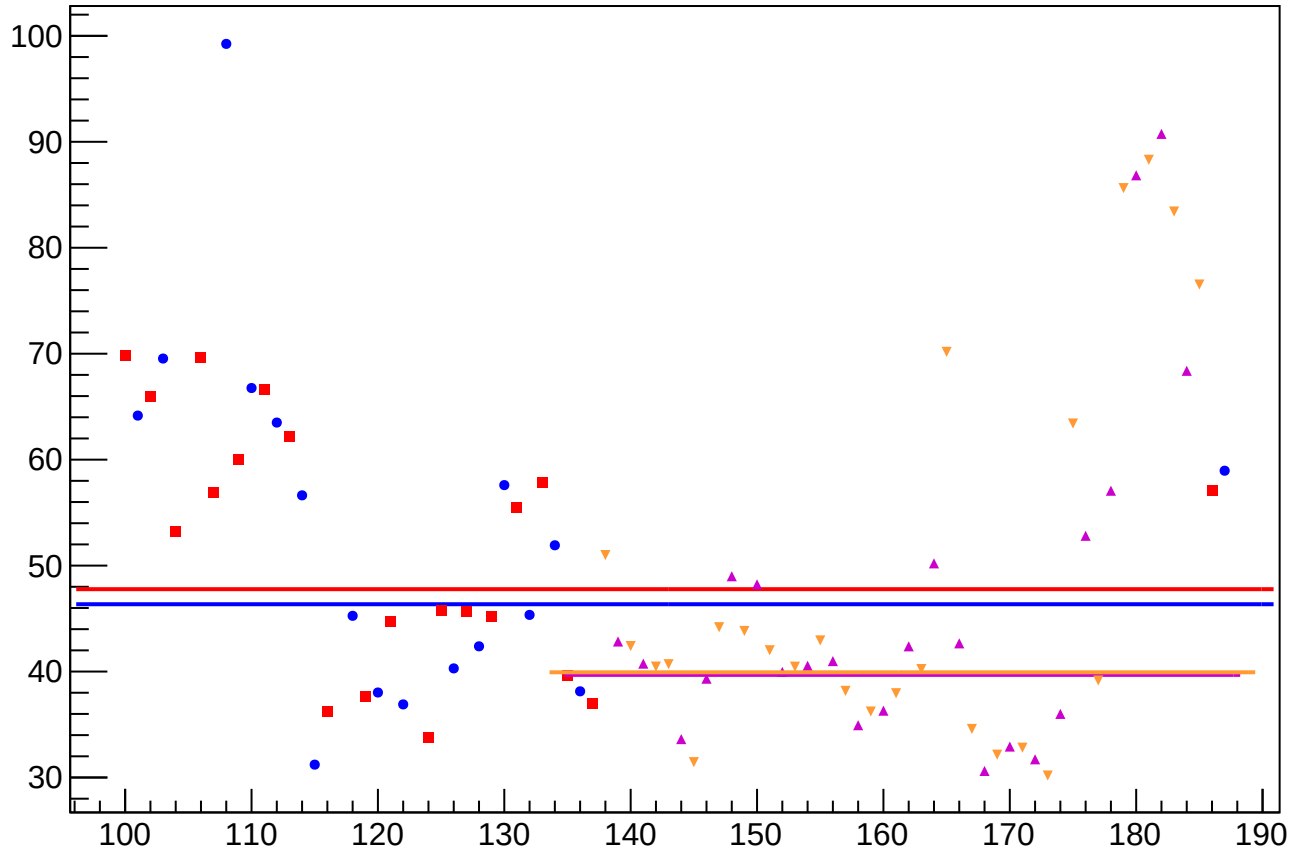
Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.366+/-0.006 χ^2/NDF: 3597051.8/41

All: 41.463+/-0.004 χ^2/NDF: 6505178.5/84

- sign 41.563+/-0.006 χ^2/NDF: 2907591.3/42


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.012+/-0.018 χ²/NDF: 14.9/16
Left Out: 0.006+/-0.010 χ²/NDF:30.8/24
Right Out: 0.001+/-0.018 χ²/NDF: 14.9/19
Left In: -0.007+/-0.010 χ²/NDF:30.4/22
+ sign 0.002+/-0.008 χ²/NDF: 46.5/41
All: -0.002+/-0.006 χ²/NDF: 92.4/84
- sign -0.006+/-0.009 χ²/NDF: 45.5/42



Right In: 46.354+/-0.013 χ^2/NDF: 920204.7/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

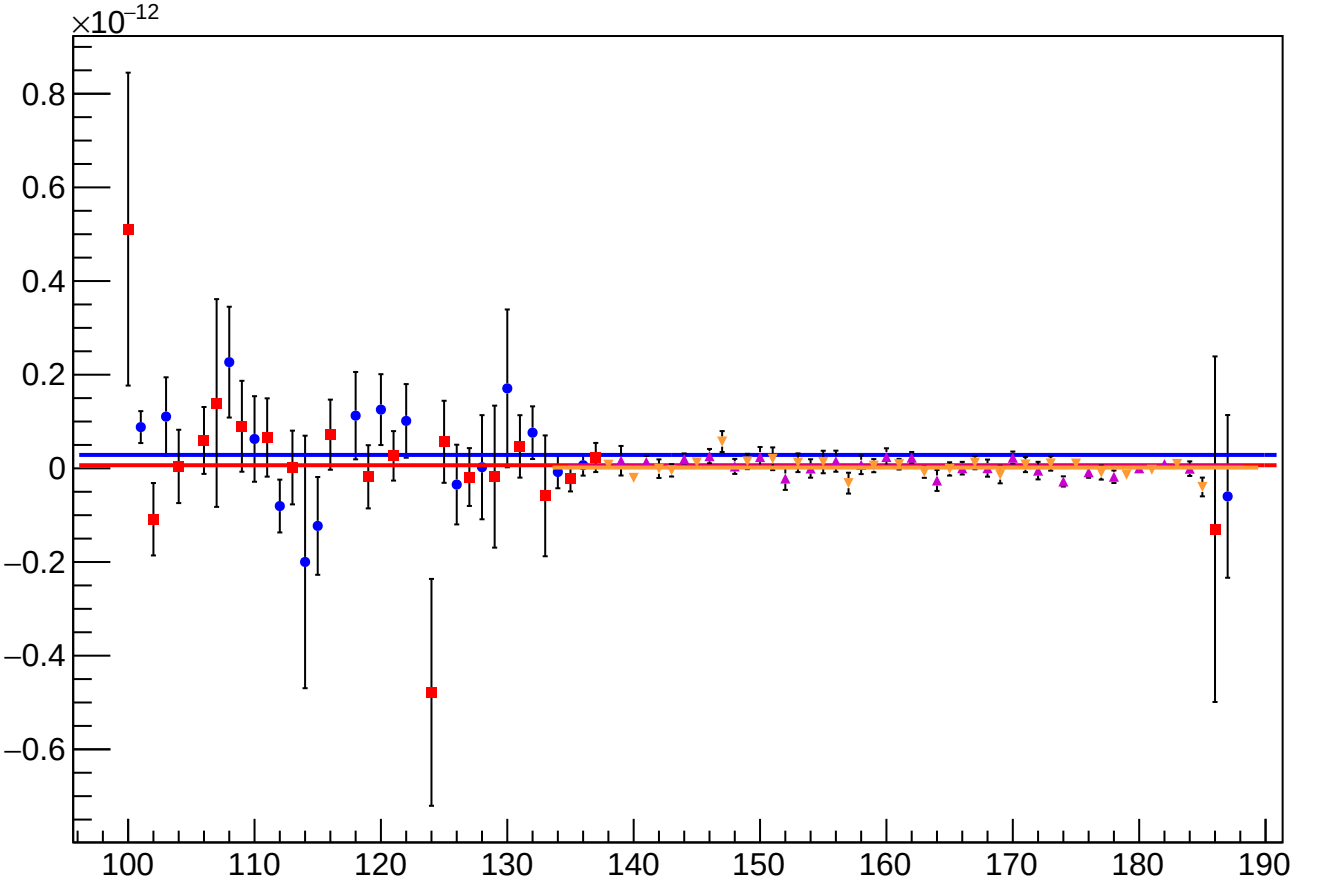
Right Out: 47.775+/-0.013 χ^2/NDF: 673835.1/19

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 41.366+/-0.006 χ^2/NDF: 3597051.8/41

All: 41.463+/-0.004 χ^2/NDF: 6505178.5/84

- sign 41.563+/-0.006 χ^2/NDF: 2907591.3/42



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

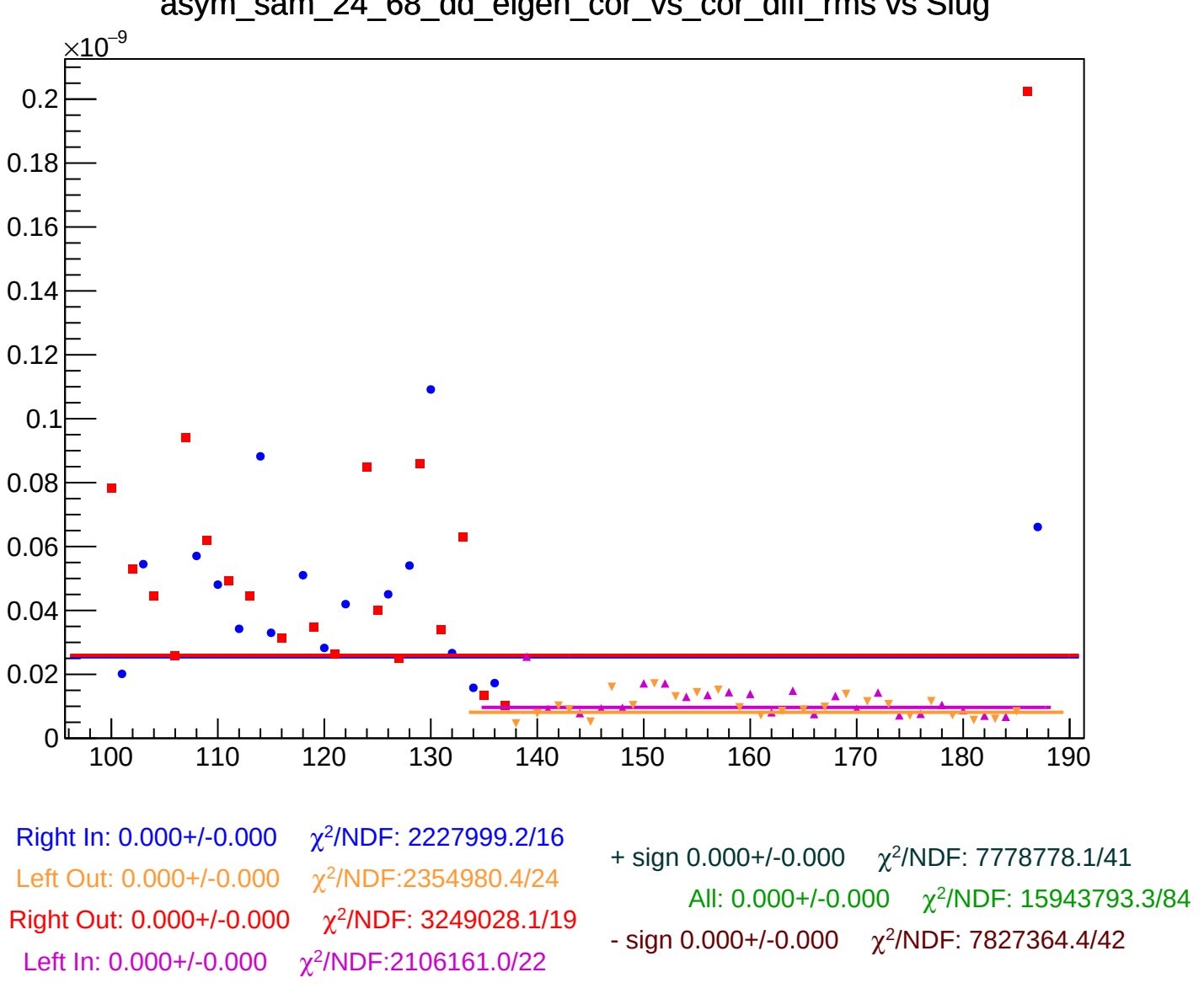
Right Out: 0.000+/-0.000 χ^2/NDF: 14.4/19

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

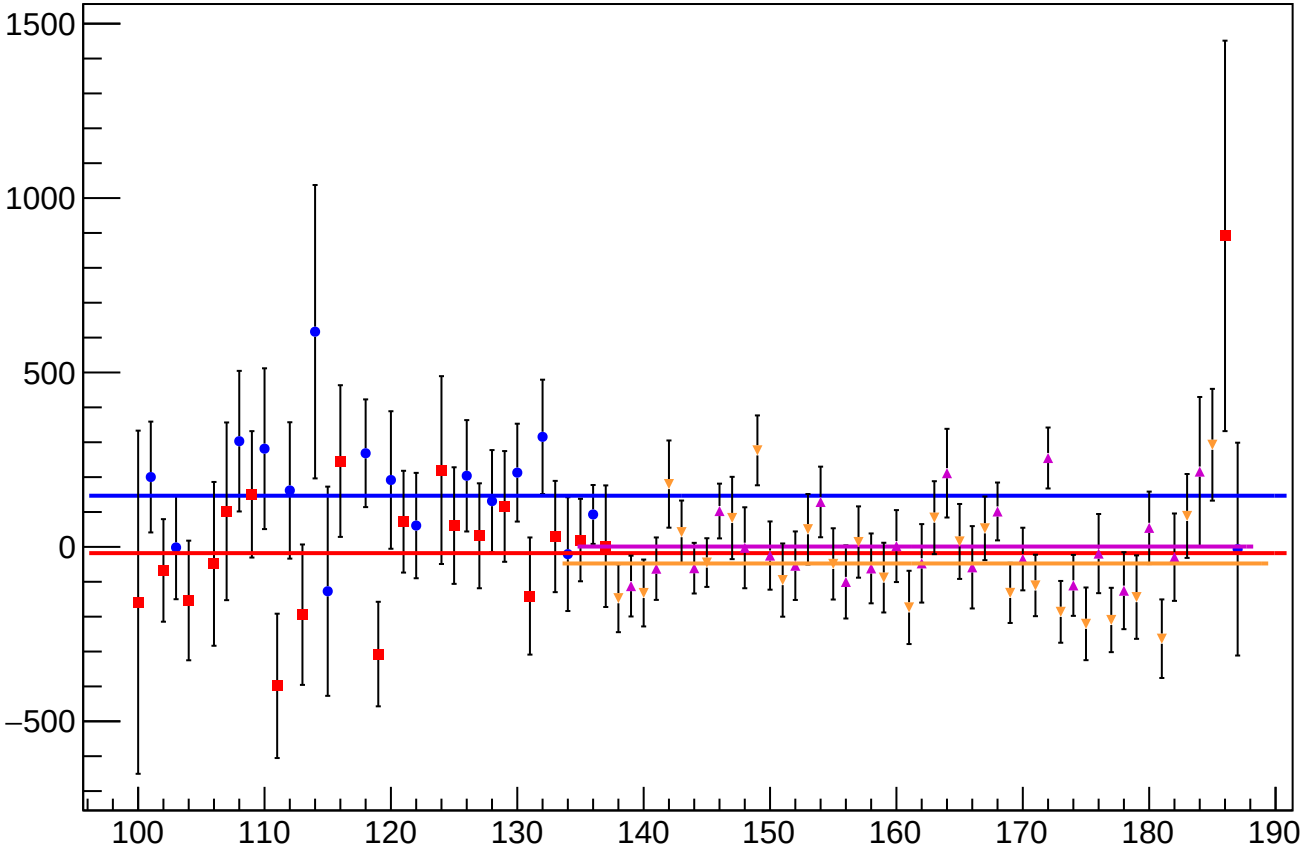
+ sign 0.000+/-0.000 χ^2/NDF: 53.0/41

All: 0.000+/-0.000 χ^2/NDF: 95.1/84

- sign 0.000+/-0.000 χ^2/NDF: 41.9/42


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2227999.2/16
Left Out: 0.000+/-0.000 χ²/NDF:2354980.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3249028.1/19
Left In: 0.000+/-0.000 χ²/NDF:2106161.0/22
+ sign 0.000+/-0.000 χ²/NDF: 7778778.1/41
All: 0.000+/-0.000 χ²/NDF: 15943793.3/84
- sign 0.000+/-0.000 χ²/NDF: 7827364.4/42

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 146.713+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -17.880+/-39.998 χ^2/NDF: 16.9/19

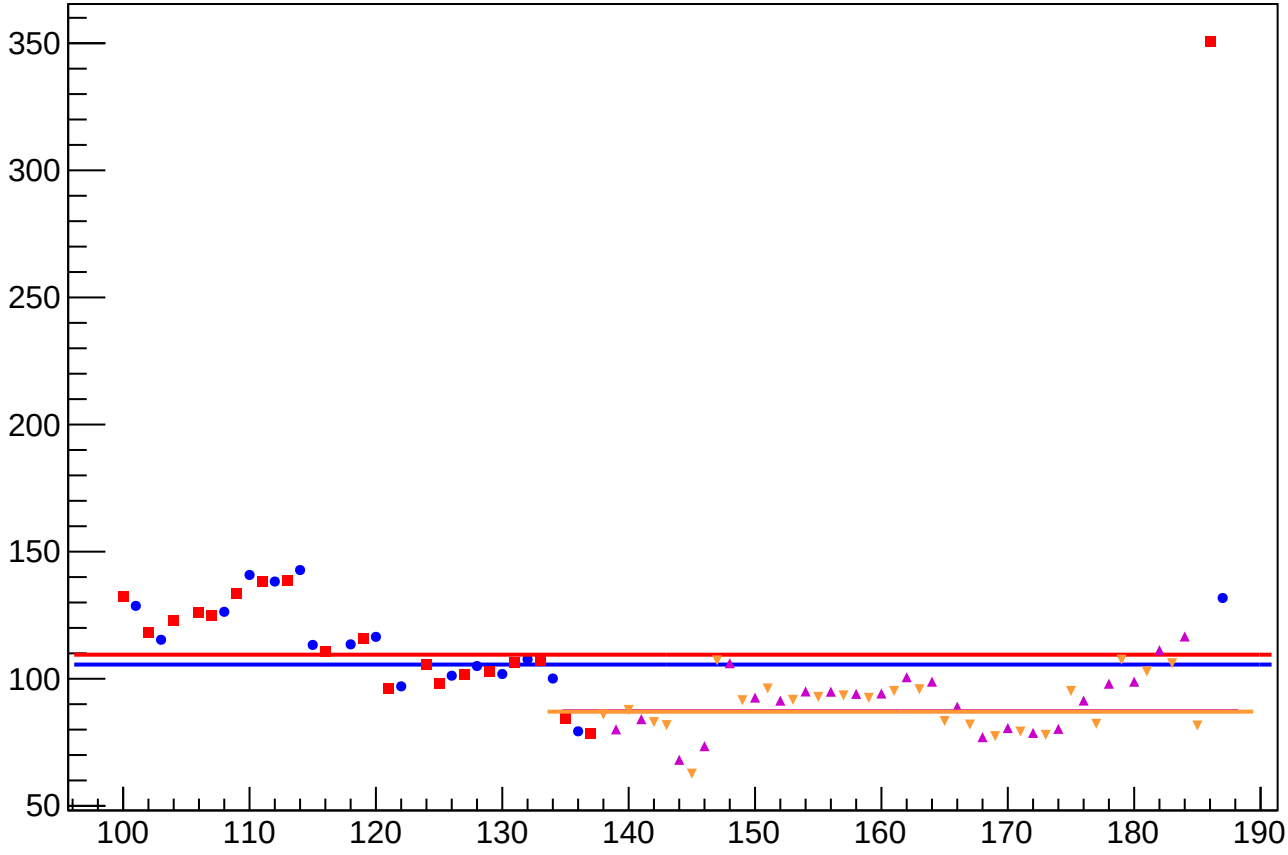
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.711+/-17.818 χ^2/NDF: 71.6/41

All: -5.406+/-12.772 χ^2/NDF: 114.2/84

- sign -2.970+/-18.316 χ^2/NDF: 42.5/42

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 105.589+/-0.028 χ^2/NDF: 423381.2/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

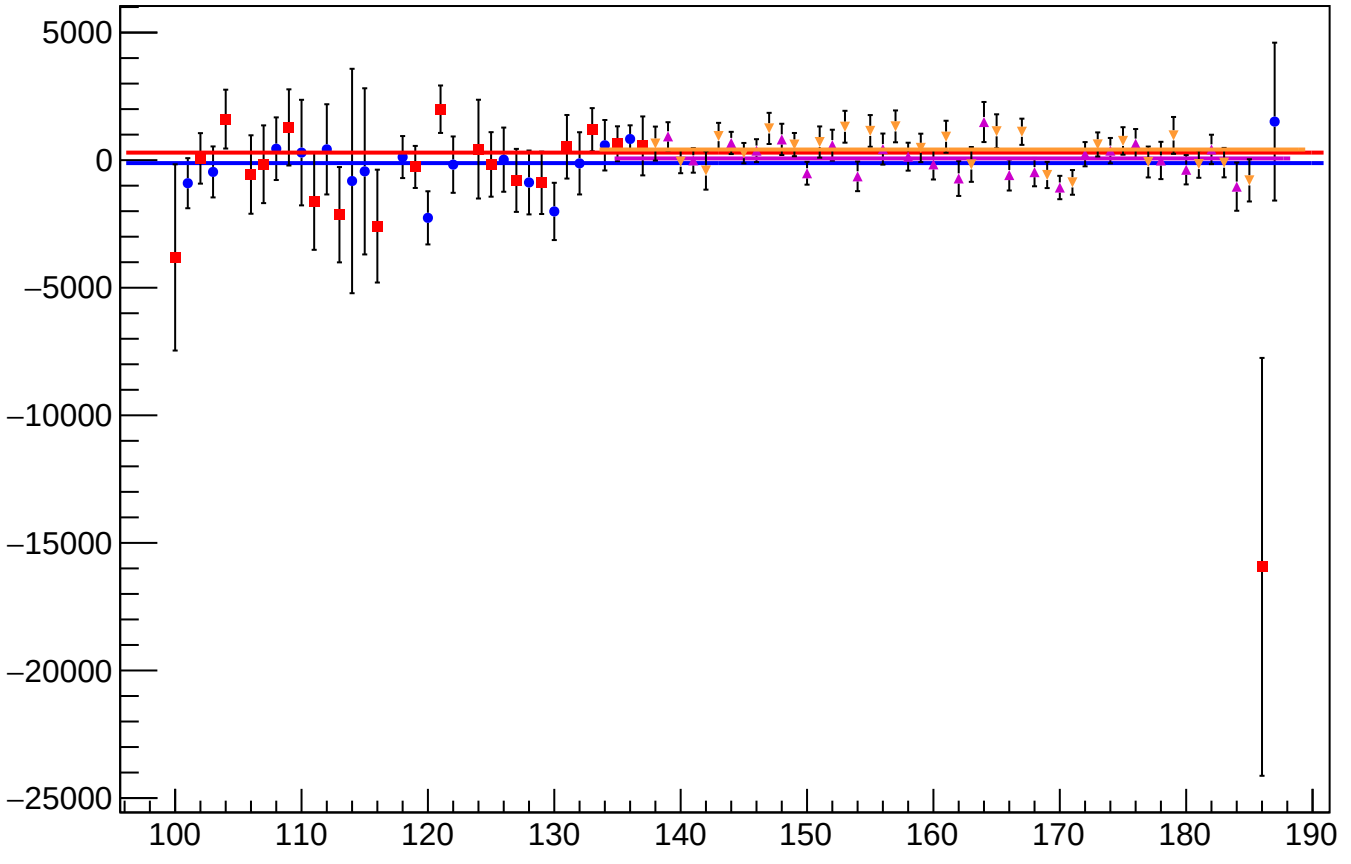
Right Out: 109.471+/-0.028 χ^2/NDF: 723138.1/19

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

\+ sign 90.867+/-0.013 χ^2/NDF: 1396028.5/41

All: 91.377+/-0.009 χ^2/NDF: 3205858.9/84

\- sign 91.915+/-0.013 χ^2/NDF: 1806468.4/42



Right In: -115.803+/-267.604 χ^2/NDF: 12.6/16

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 295.363+/-269.984 χ^2/NDF: 18.9/19

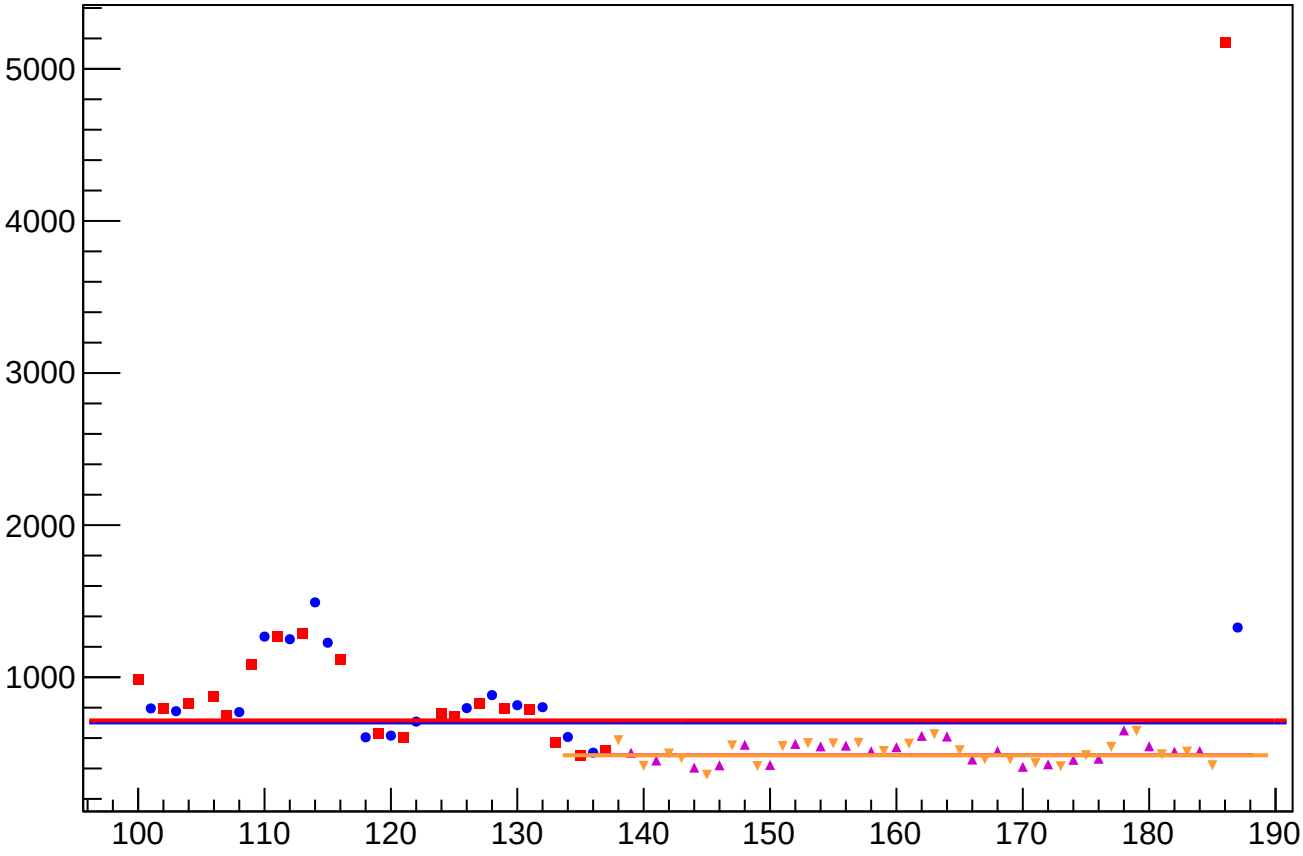
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 336.687+/-103.580 χ^2/NDF: 48.4/41

All: 222.201+/-74.126 χ^2/NDF: 97.9/84

- sign 102.012+/-106.128 χ^2/NDF: 47.1/42

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 702.758+/-0.189 χ^2/NDF: 994823.2/16

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 715.938+/-0.191 χ^2/NDF: 1628341.8/19

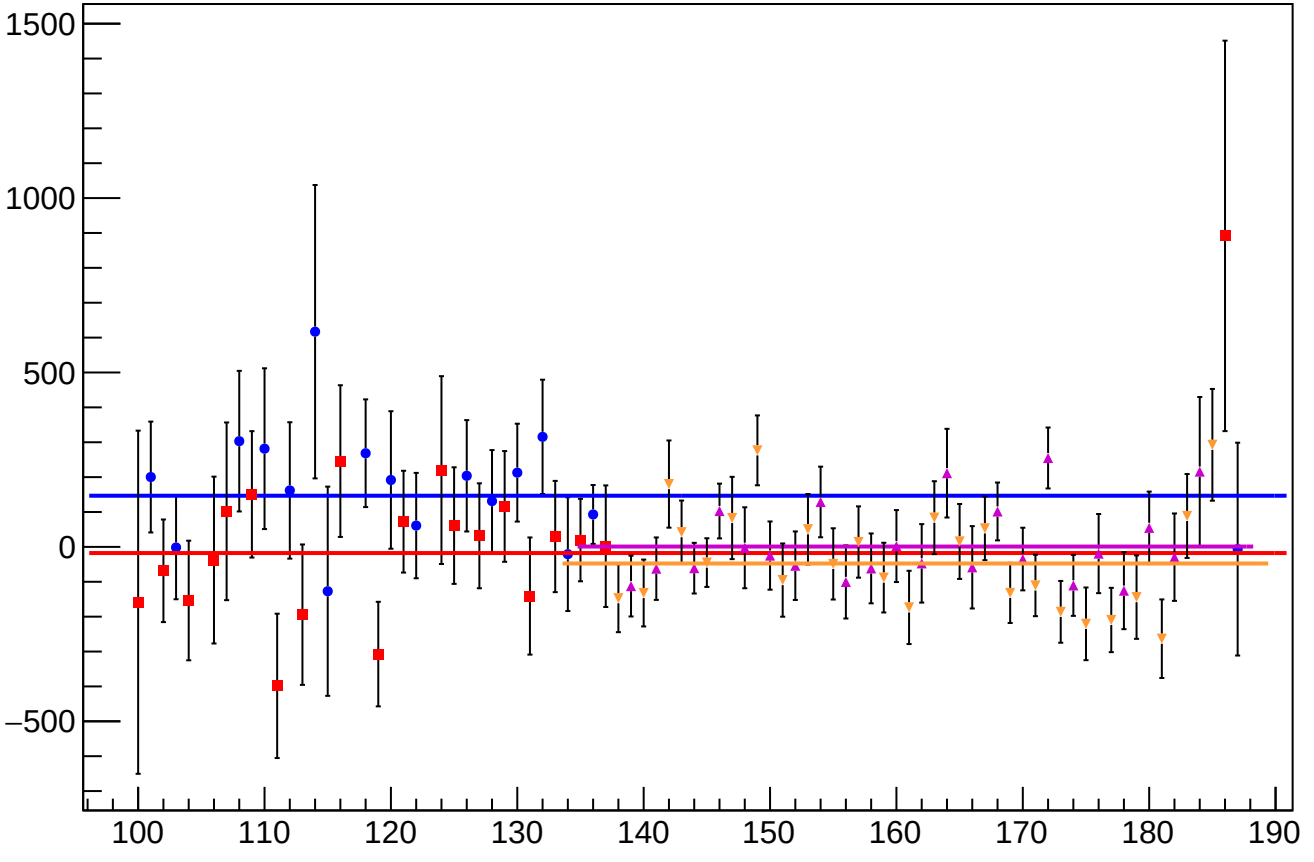
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 519.393+/-0.073 χ^2/NDF: 2920584.8/41

All: 521.232+/-0.052 χ^2/NDF: 6390520.2/84

- sign 523.162+/-0.075 χ^2/NDF: 3468643.5/42

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 146.704+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -17.624+/-40.020 χ^2/NDF: 16.9/19

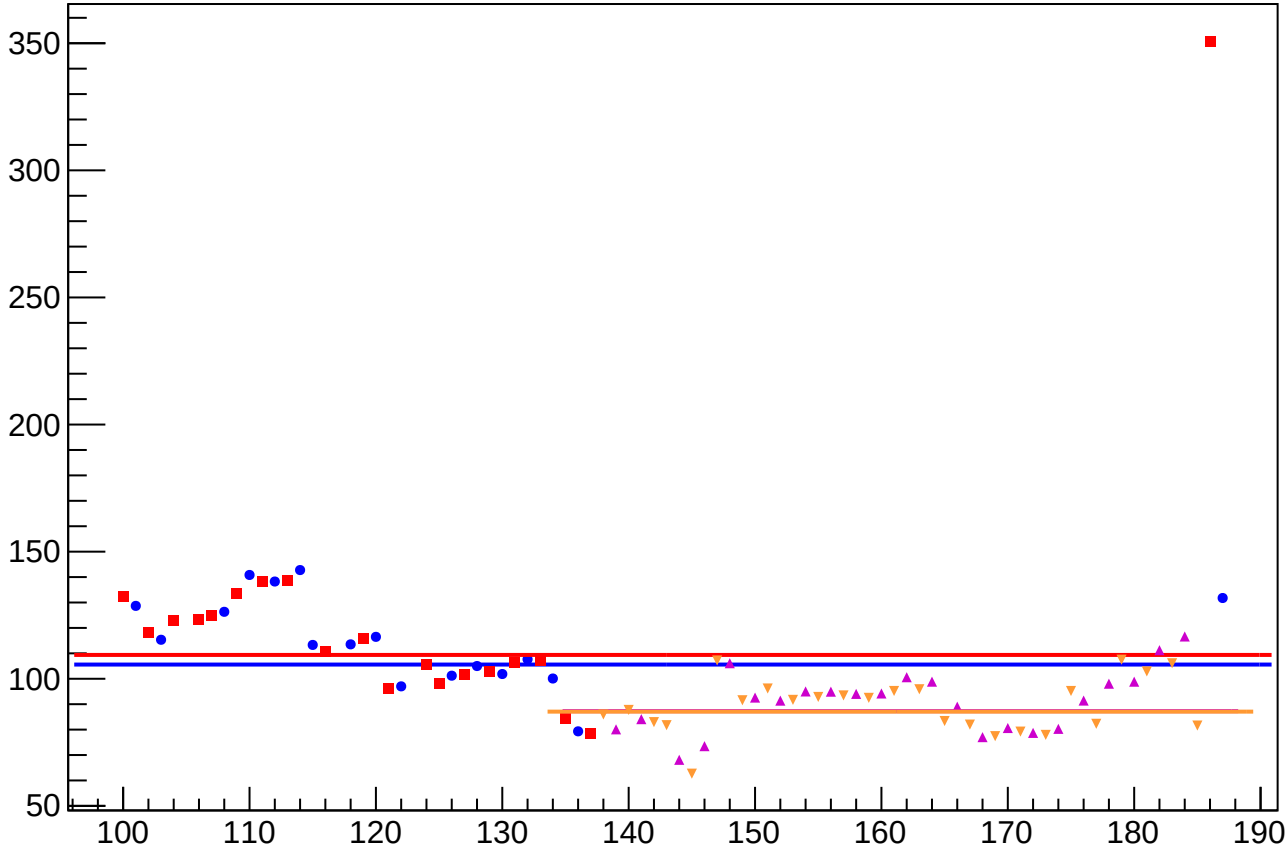
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.719+/-17.818 χ^2/NDF: 71.6/41

All: -5.382+/-12.772 χ^2/NDF: 114.1/84

- sign -2.912+/-18.319 χ^2/NDF: 42.5/42

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.589+/-0.028 χ^2/NDF: 423381.4/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

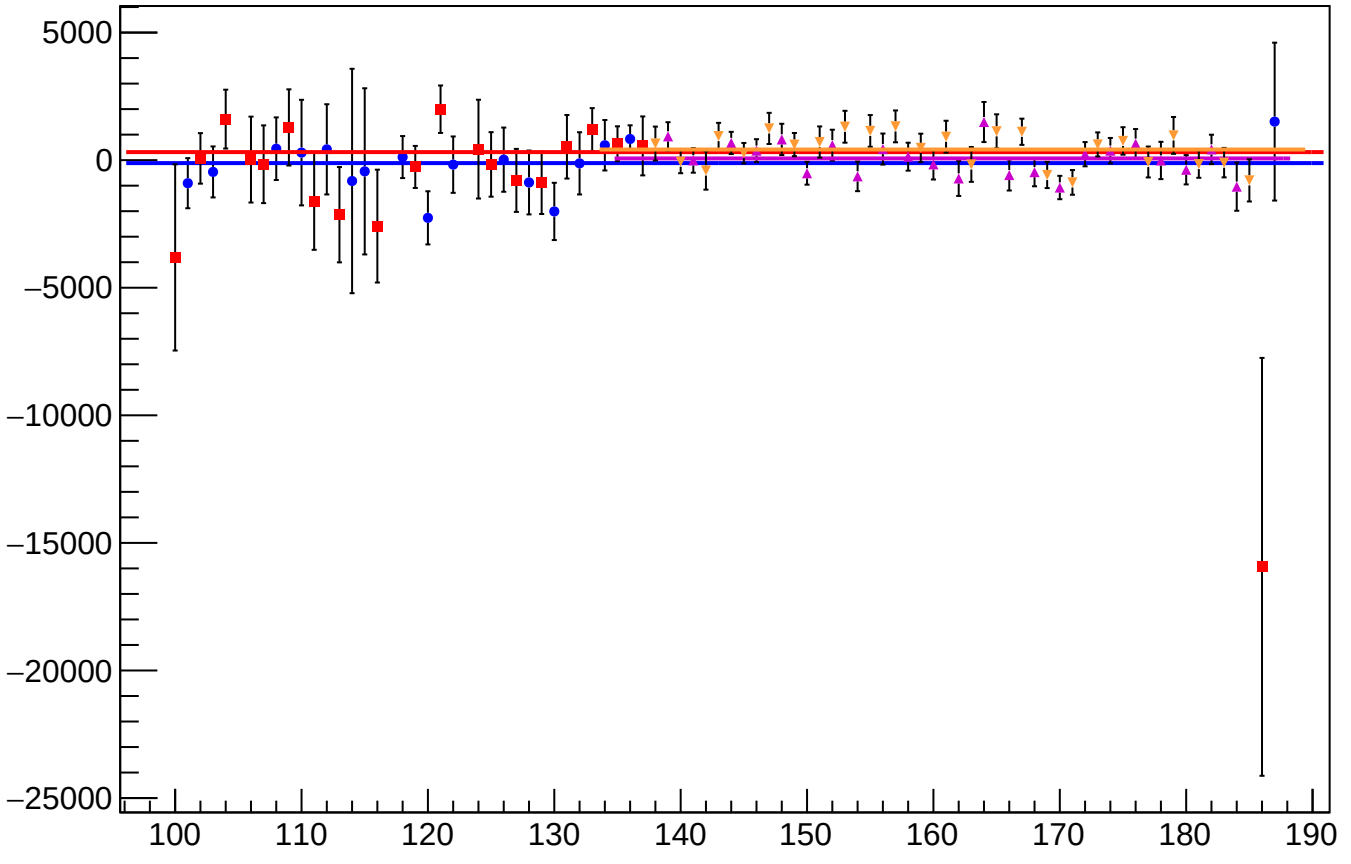
Right Out: 109.376+/-0.028 χ^2/NDF: 719818.7/19

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.867+/-0.013 χ^2/NDF: 1396028.8/41

All: 91.365+/-0.009 χ^2/NDF: 3197828.9/84

- sign 91.891+/-0.013 χ^2/NDF: 1798589.7/42



Right In: -115.794+/-267.605 χ^2/NDF: 12.6/16

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 314.883+/-270.687 χ^2/NDF: 18.6/19

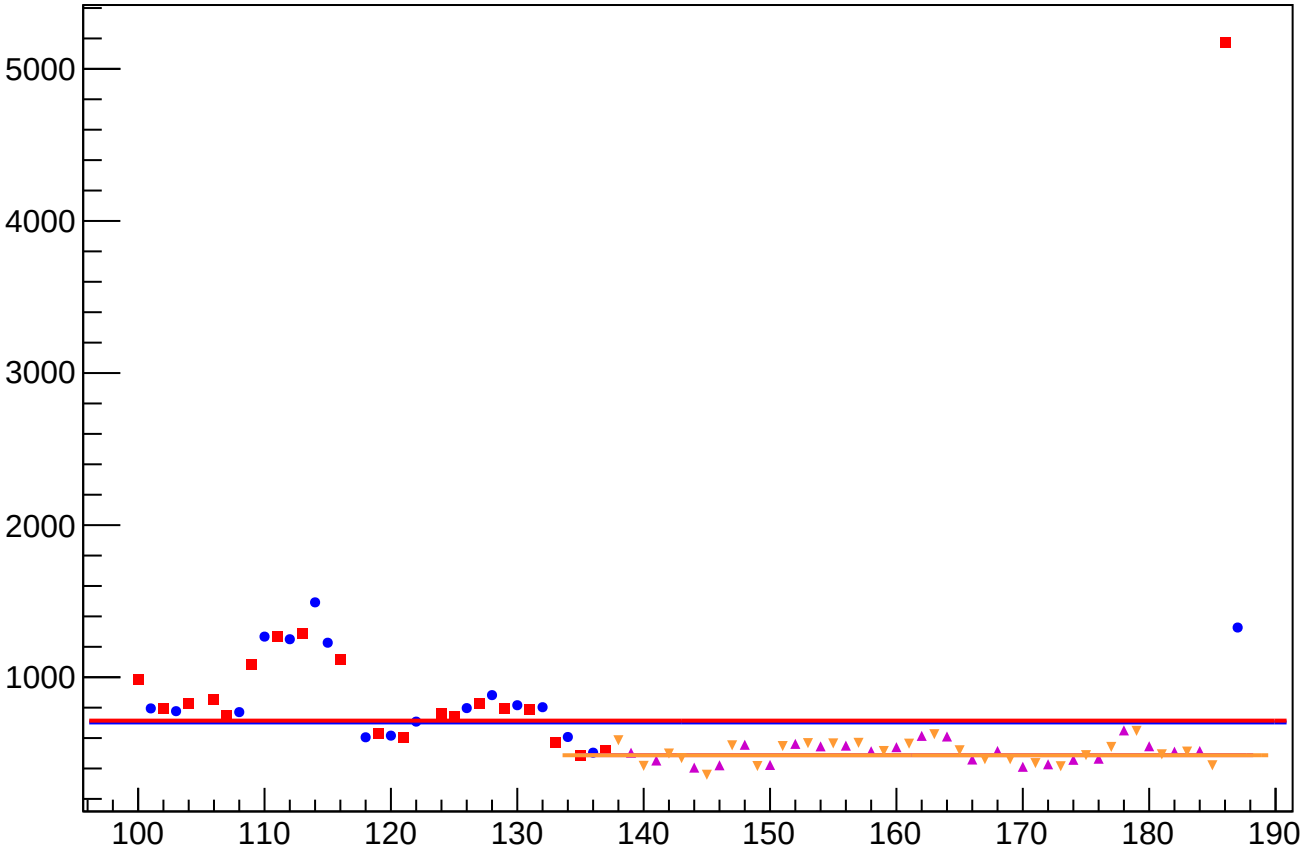
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 336.682+/-103.580 χ^2/NDF: 48.4/41

All: 223.633+/-74.141 χ^2/NDF: 97.7/84

- sign 104.859+/-106.170 χ^2/NDF: 46.9/42

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 702.759+/-0.189 χ^2/NDF: 994832.5/16

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 714.626+/-0.191 χ^2/NDF: 1620690.5/19

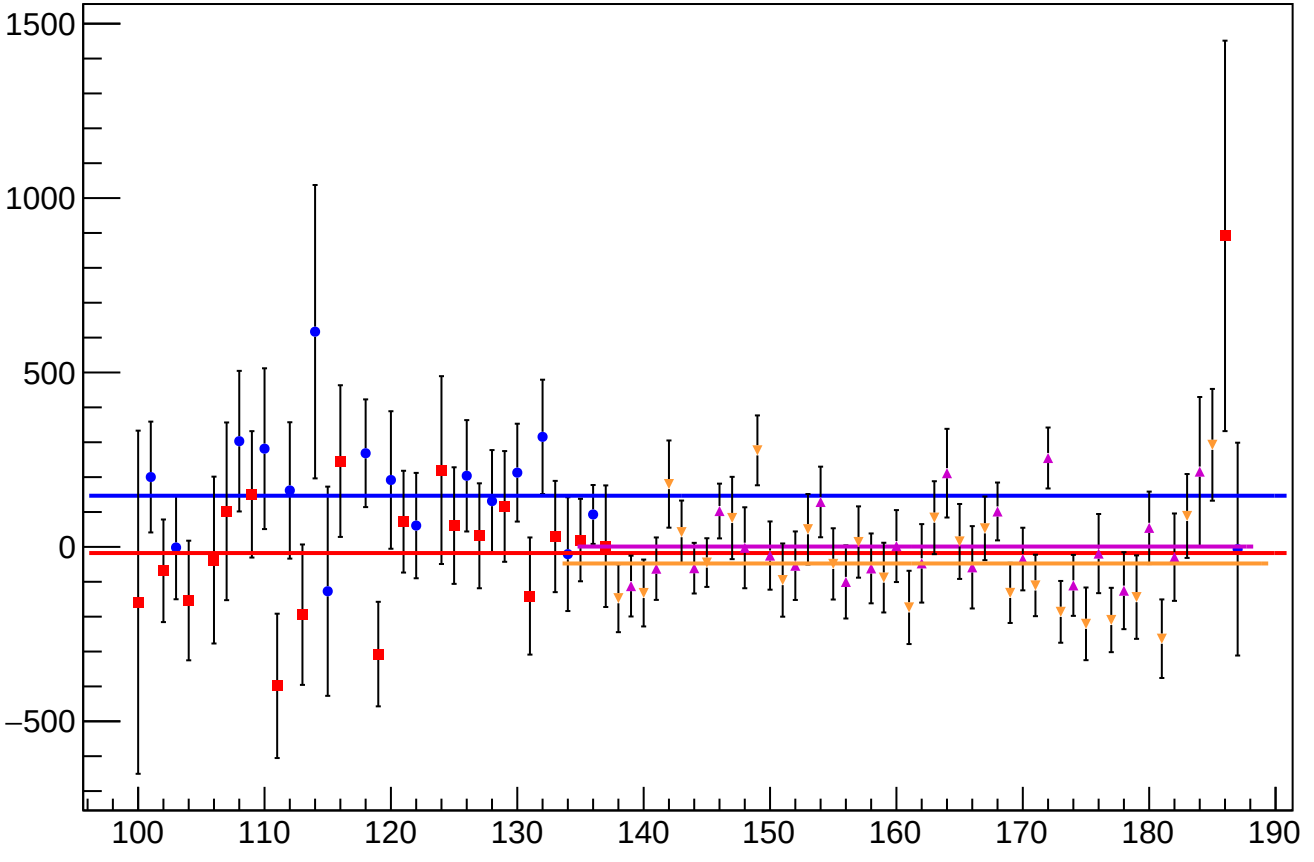
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 519.393+/-0.073 χ^2/NDF: 2920591.9/41

All: 521.057+/-0.052 χ^2/NDF: 6363565.7/84

- sign 522.805+/-0.075 χ^2/NDF: 3441915.5/42

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 146.704+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -17.624+/-40.020 χ^2/NDF: 16.9/19

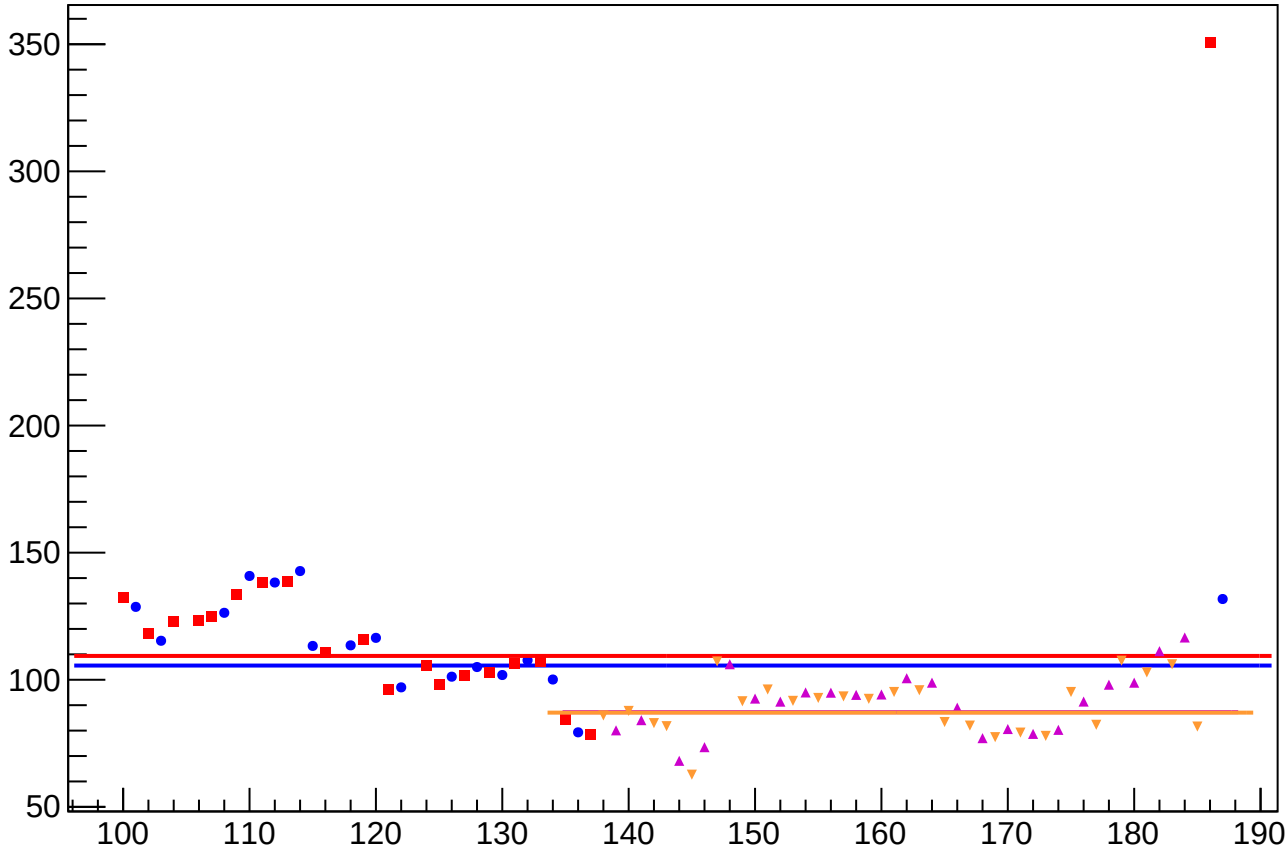
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.719+/-17.818 χ^2/NDF: 71.6/41

All: -5.382+/-12.772 χ^2/NDF: 114.1/84

- sign -2.912+/-18.319 χ^2/NDF: 42.5/42

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 105.589+/-0.028 χ^2/NDF: 423381.4/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

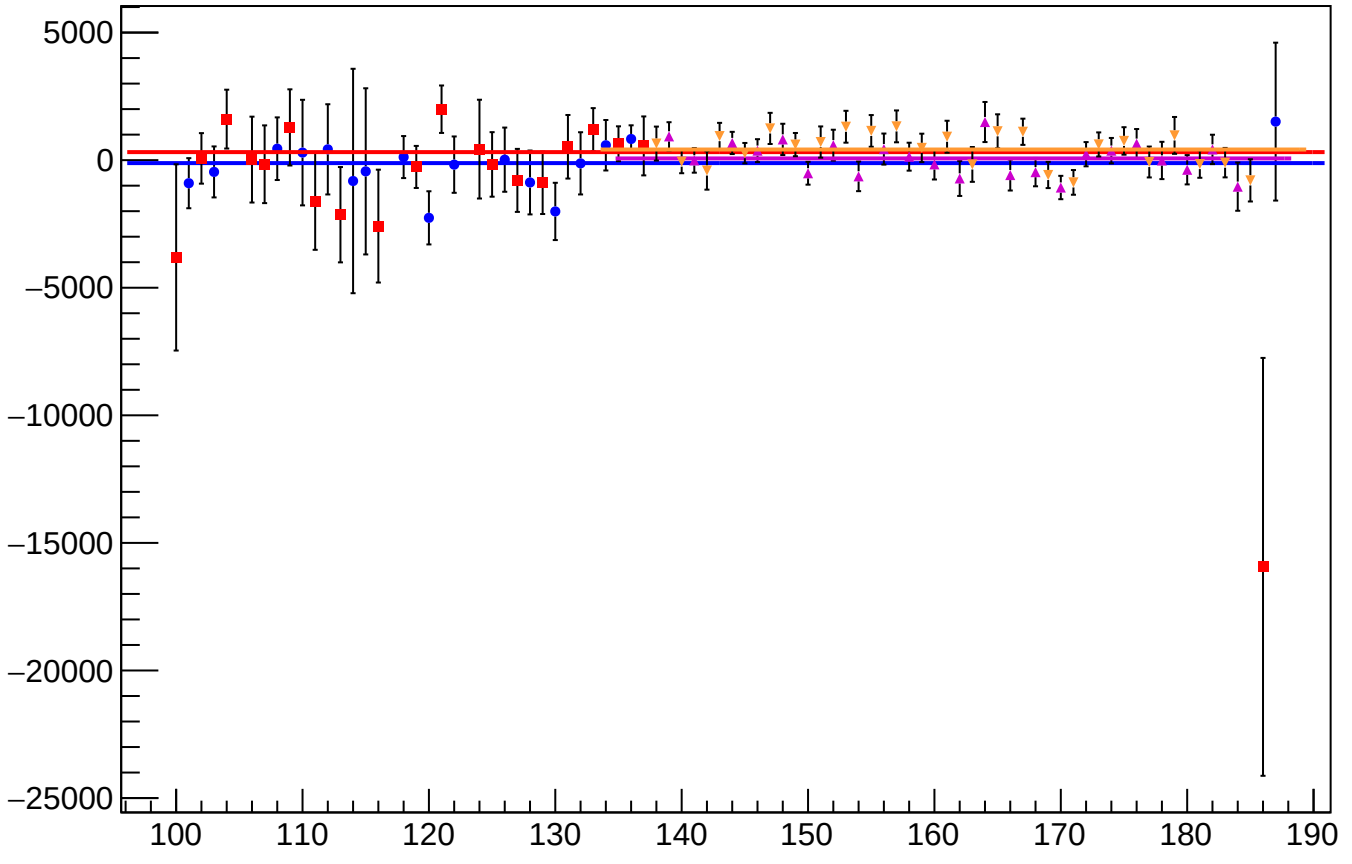
Right Out: 109.376+/-0.028 χ^2/NDF: 719818.7/19

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 90.867+/-0.013 χ^2/NDF: 1396028.8/41

All: 91.365+/-0.009 χ^2/NDF: 3197828.9/84

- sign 91.891+/-0.013 χ^2/NDF: 1798589.7/42



Right In: -115.794+/-267.605 χ^2/NDF: 12.6/16

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

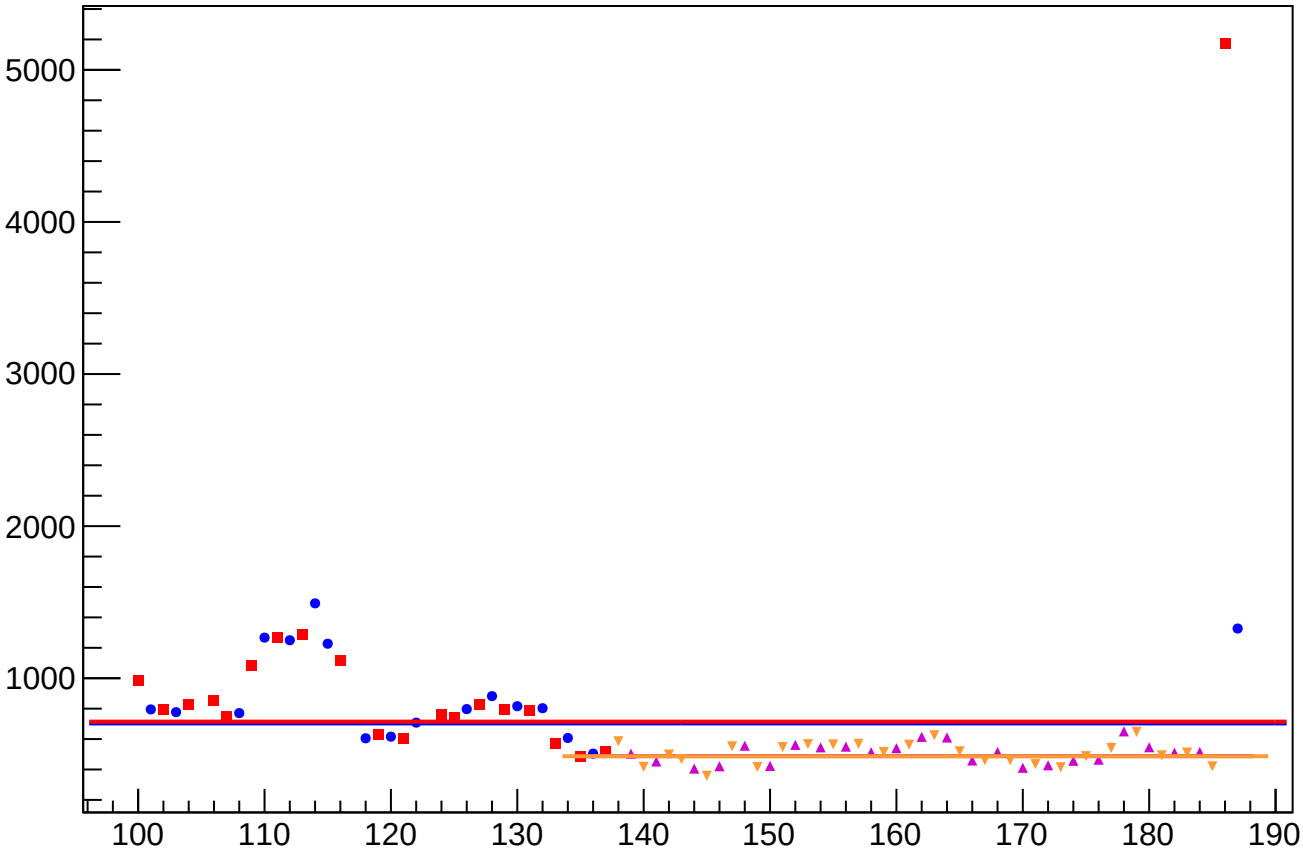
Right Out: 314.883+/-270.687 χ^2/NDF: 18.6/19

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 336.682+/-103.580 χ^2/NDF: 48.4/41

All: 223.633+/-74.141 χ^2/NDF: 97.7/84

- sign 104.859+/-106.170 χ^2/NDF: 46.9/42



Right In: 702.759+/-0.189 χ^2/NDF: 994832.5/16

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 714.626+/-0.191 χ^2/NDF: 1620690.5/19

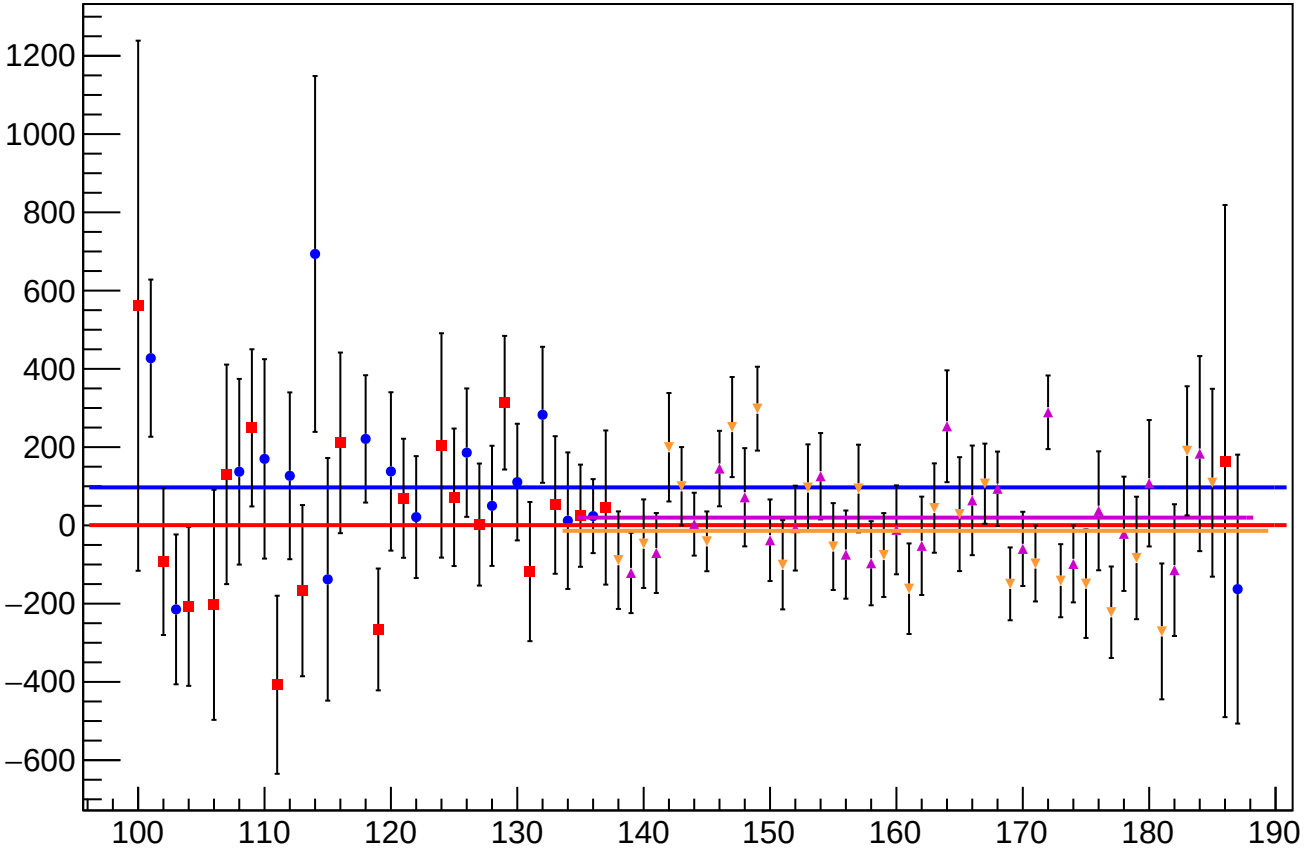
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 519.393+/-0.073 χ^2/NDF: 2920591.9/41

All: 521.057+/-0.052 χ^2/NDF: 6363565.7/84

- sign 522.805+/-0.075 χ^2/NDF: 3441915.5/42

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 97.114+/-43.165 χ^2/NDF: 11.6/16

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 0.616+/-43.935 χ^2/NDF: 16.7/19

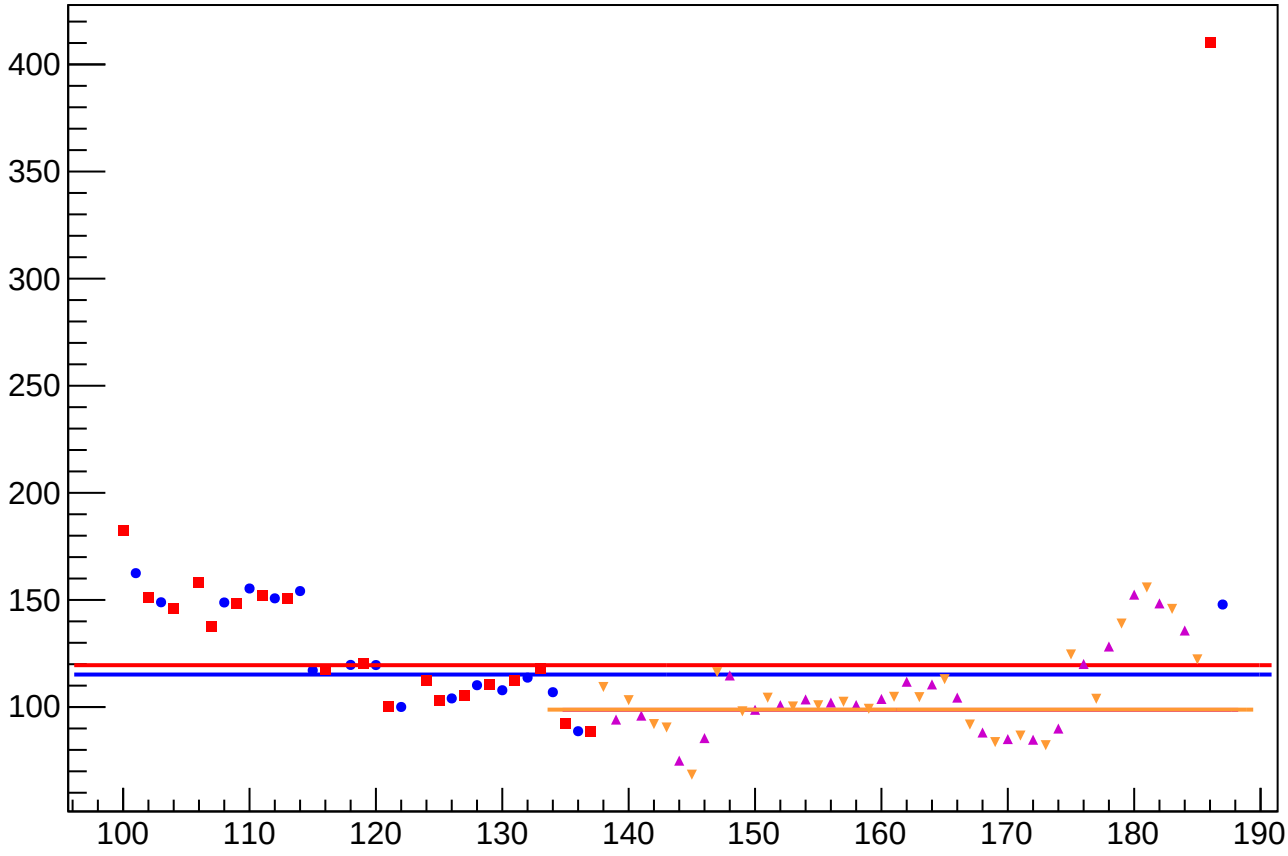
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 10.507+/-20.241 χ^2/NDF: 53.1/41

All: 12.947+/-14.496 χ^2/NDF: 93.3/84

- sign 15.516+/-20.771 χ^2/NDF: 40.1/42

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 115.179+/-0.031 χ^2/NDF: 550359.6/16

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 119.547+/-0.031 χ^2/NDF: 879717.2/19

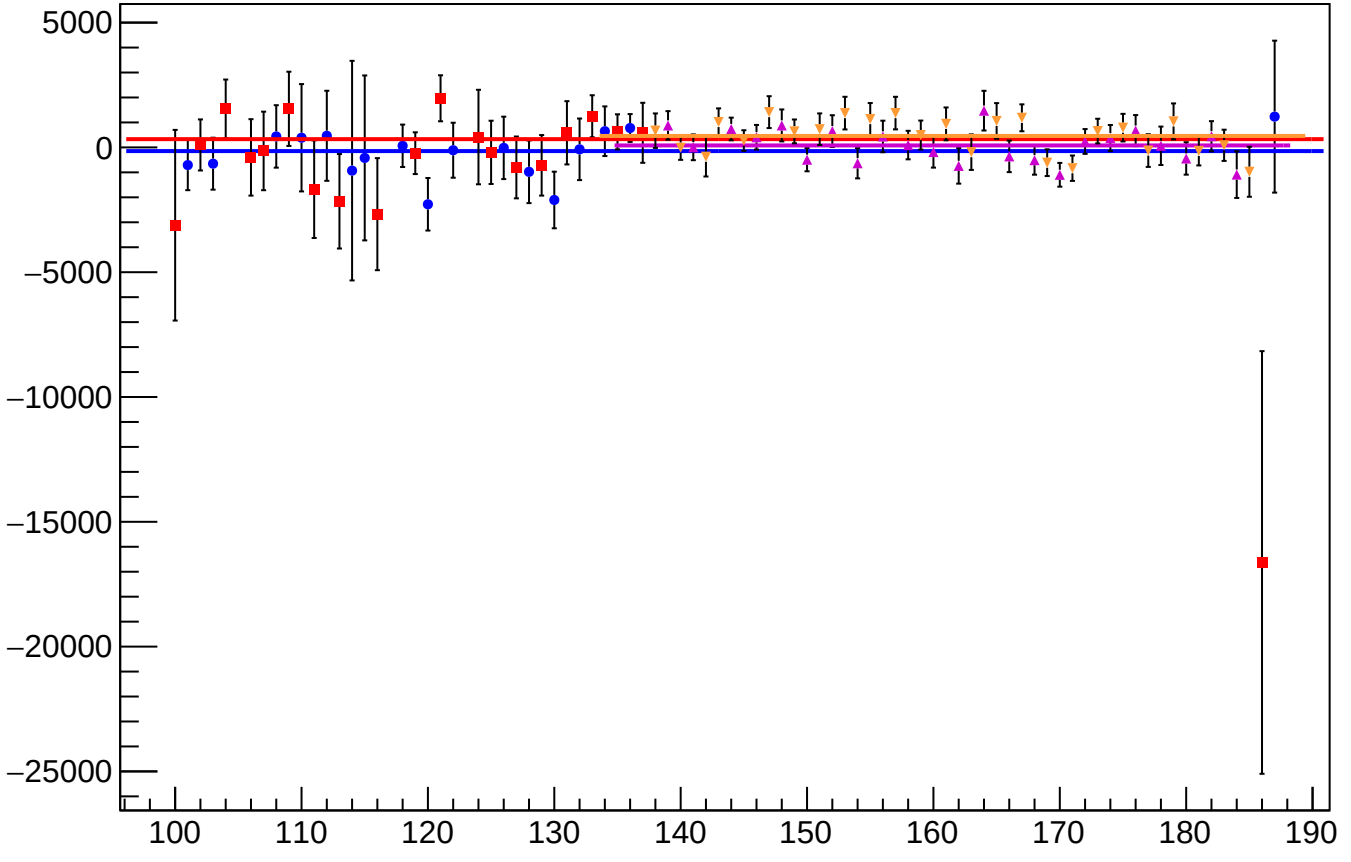
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.400+/-0.014 χ^2/NDF: 1960836.9/41

All: 102.857+/-0.010 χ^2/NDF: 4181009.8/84

- sign 103.338+/-0.015 χ^2/NDF: 2218081.7/42

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: -147.878+/-273.447 χ^2/NDF: 12.2/16

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 330.817+/-273.453 χ^2/NDF: 18.3/19

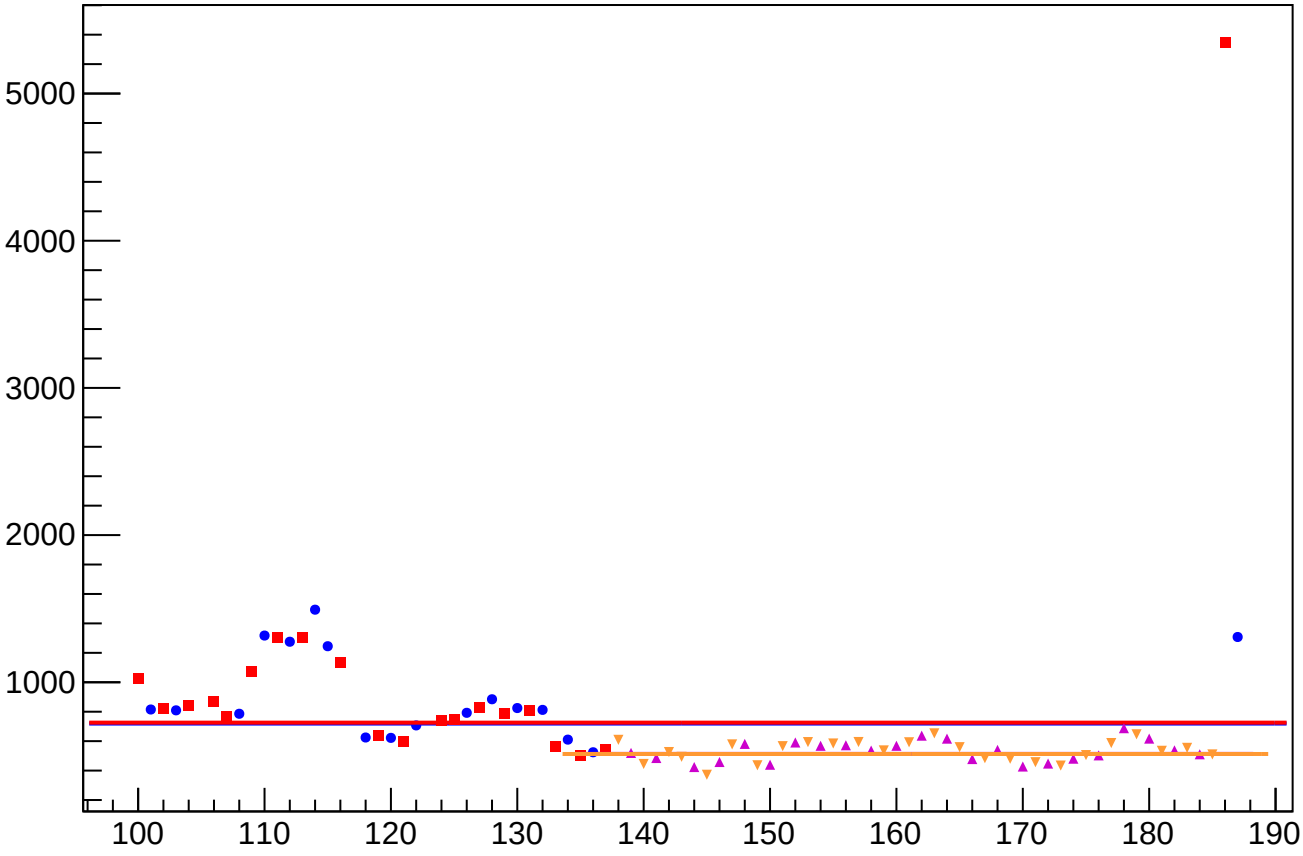
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 363.658+/-108.429 χ^2/NDF: 47.1/41

All: 244.816+/-77.559 χ^2/NDF: 94.8/84

- sign 120.306+/-110.985 χ^2/NDF: 45.3/42

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 719.453+/-0.193 χ^2/NDF: 951515.9/16

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 725.710+/-0.193 χ^2/NDF: 1614811.1/19

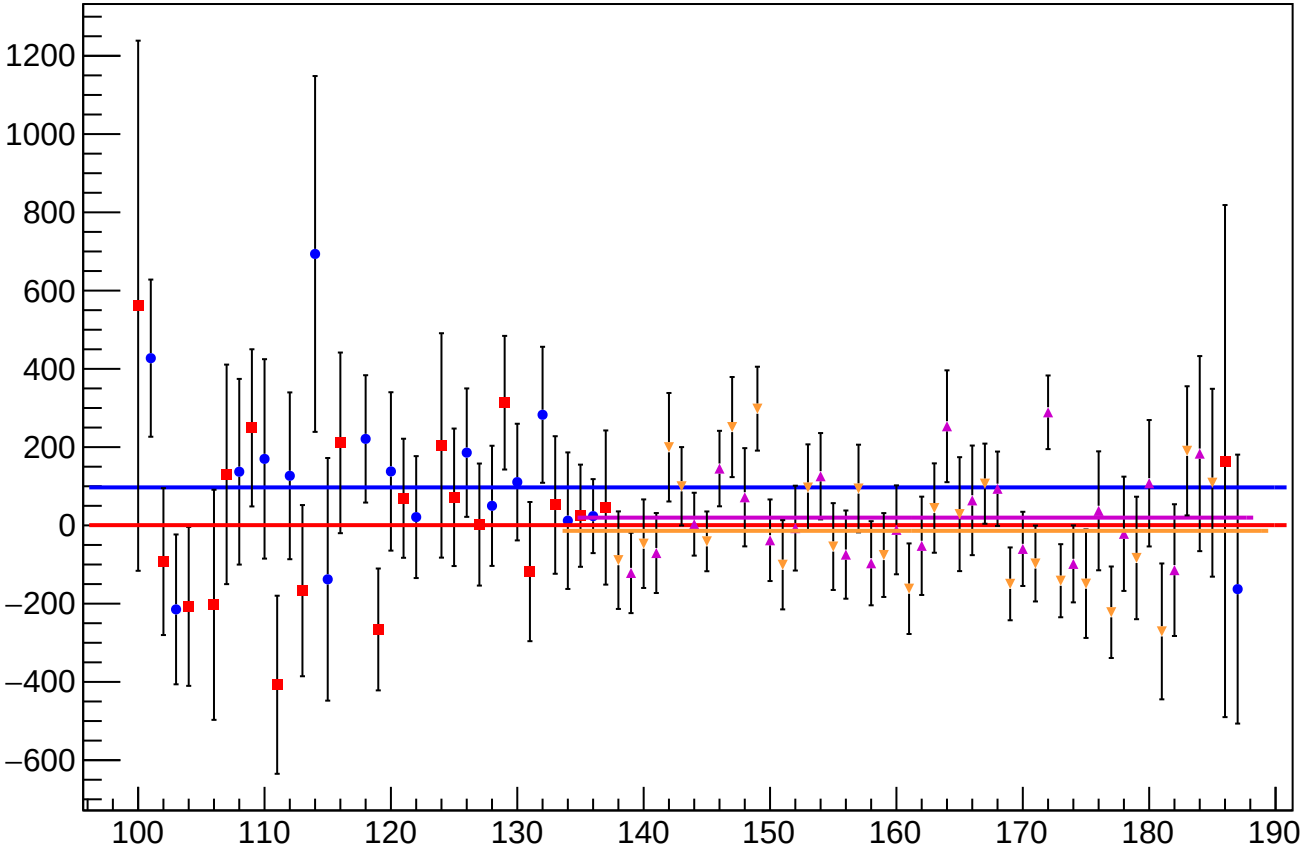
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 545.266+/-0.077 χ^2/NDF: 2713707.9/41

All: 546.773+/-0.055 χ^2/NDF: 5970567.2/84

- sign 548.352+/-0.078 χ^2/NDF: 3256068.2/42

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 97.112+/-43.165 χ^2/NDF: 11.6/16

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 0.617+/-43.935 χ^2/NDF: 16.7/19

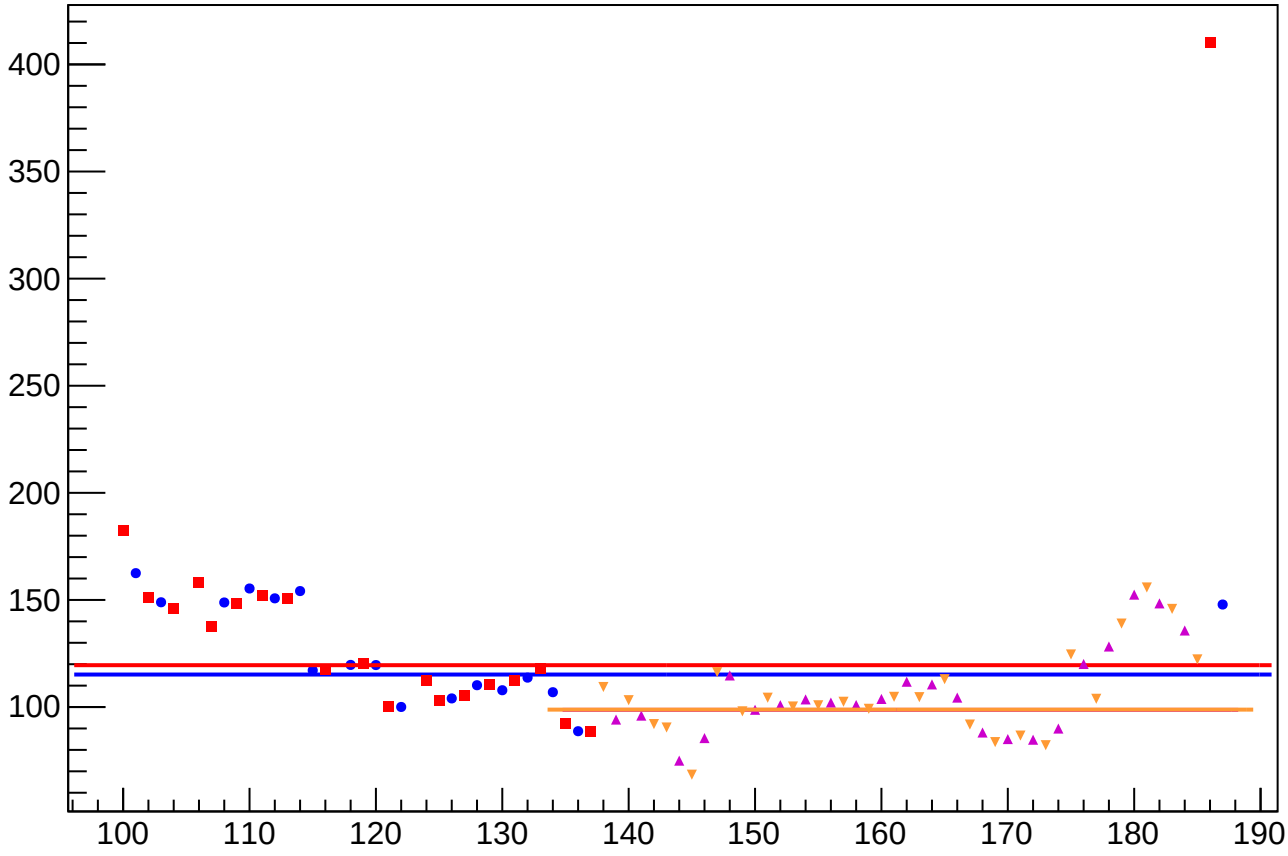
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 10.505+/-20.241 χ^2/NDF: 53.1/41

All: 12.946+/-14.496 χ^2/NDF: 93.3/84

- sign 15.517+/-20.771 χ^2/NDF: 40.1/42

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 115.179+/-0.031 χ^2/NDF: 550345.3/16

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

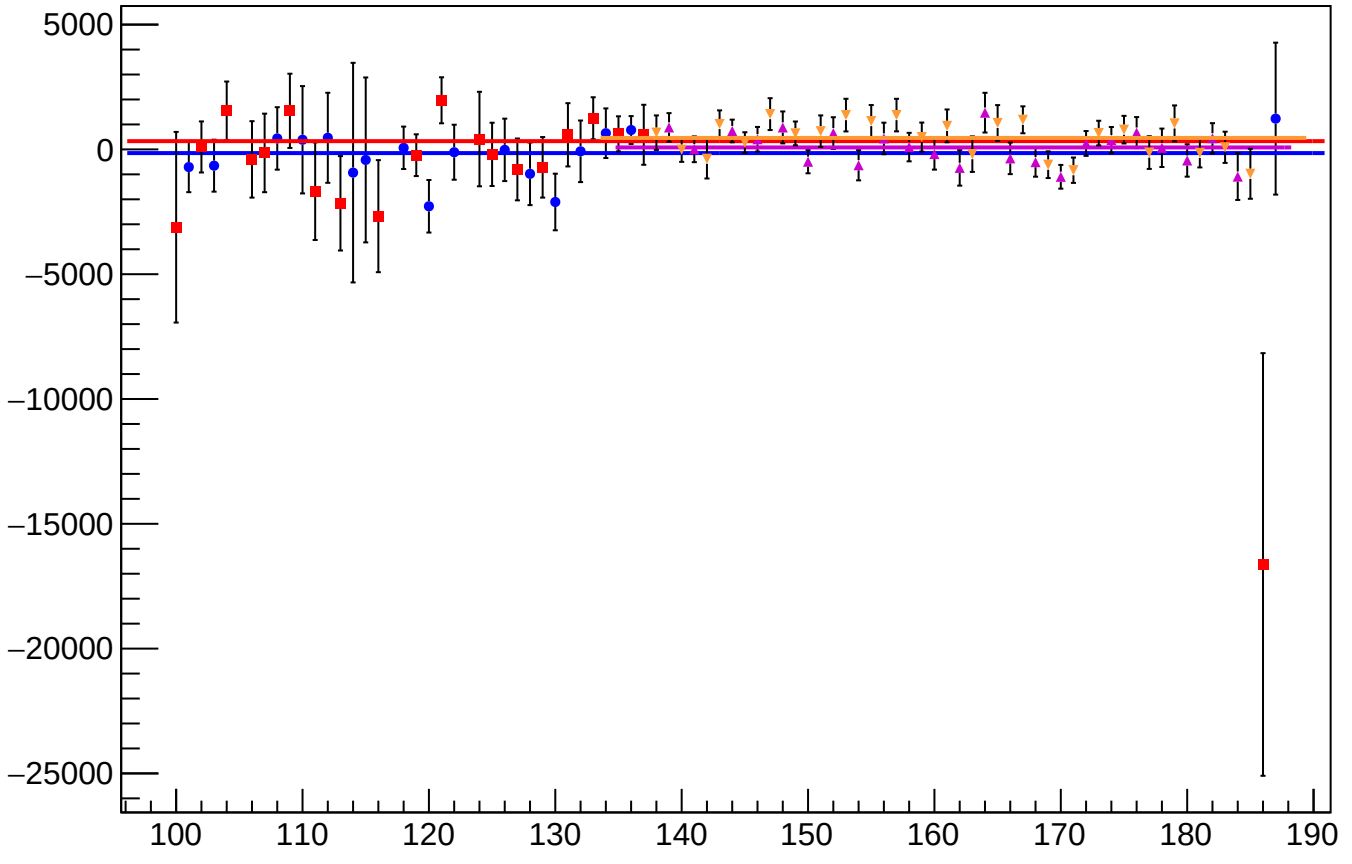
Right Out: 119.547+/-0.031 χ^2/NDF: 879705.4/19

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.400+/-0.014 χ^2/NDF: 1960831.8/41

All: 102.857+/-0.010 χ^2/NDF: 4180984.8/84

- sign 103.338+/-0.015 χ^2/NDF: 2218061.7/42



Right In: -147.880+/-273.447 χ^2/NDF: 12.2/16

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

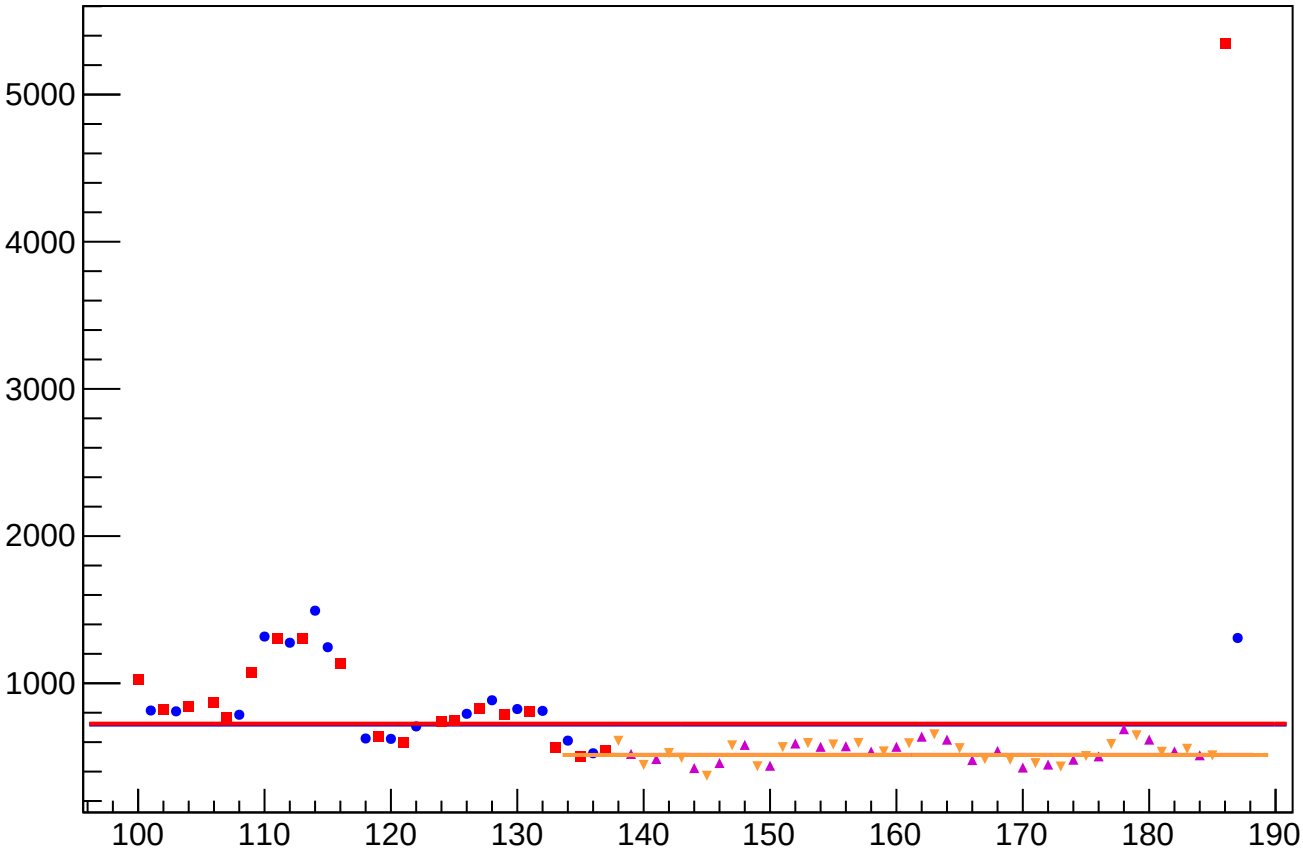
Right Out: 330.817+/-273.452 χ^2/NDF: 18.3/19

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 363.656+/-108.429 χ^2/NDF: 47.1/41

All: 244.815+/-77.559 χ^2/NDF: 94.8/84

- sign 120.306+/-110.985 χ^2/NDF: 45.3/42



Right In: 719.453+/-0.193 χ^2/NDF: 951509.7/16

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 725.710+/-0.193 χ^2/NDF: 1614804.5/19

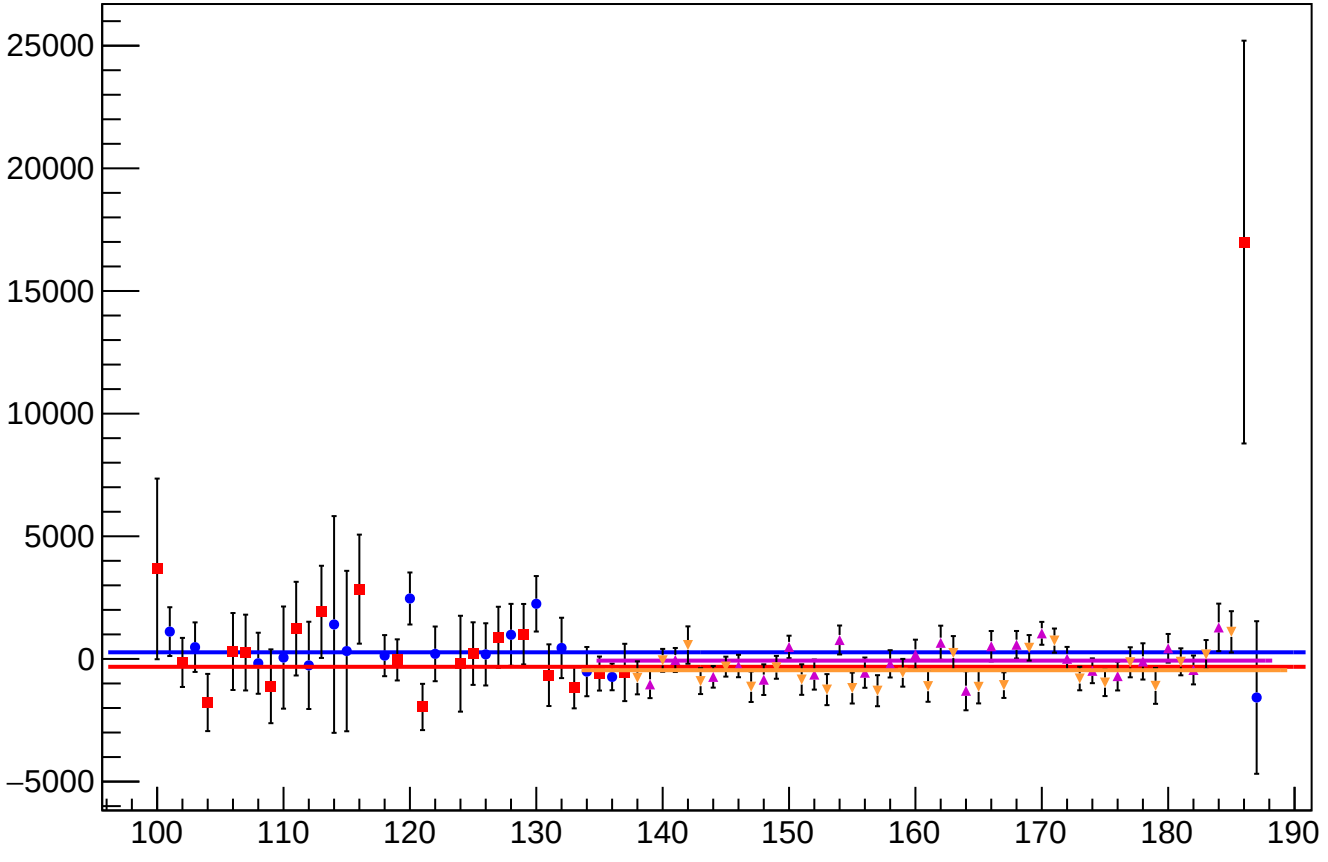
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 545.266+/-0.077 χ^2/NDF: 2713704.2/41

All: 546.773+/-0.055 χ^2/NDF: 5970554.7/84

- sign 548.352+/-0.078 χ^2/NDF: 3256059.4/42

asym_sam_26_48_dd_mean vs Slug



Right In: 270.696+/-270.911 χ^2/NDF: 13.1/16

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -320.791+/-273.450 χ^2/NDF: 18.5/19

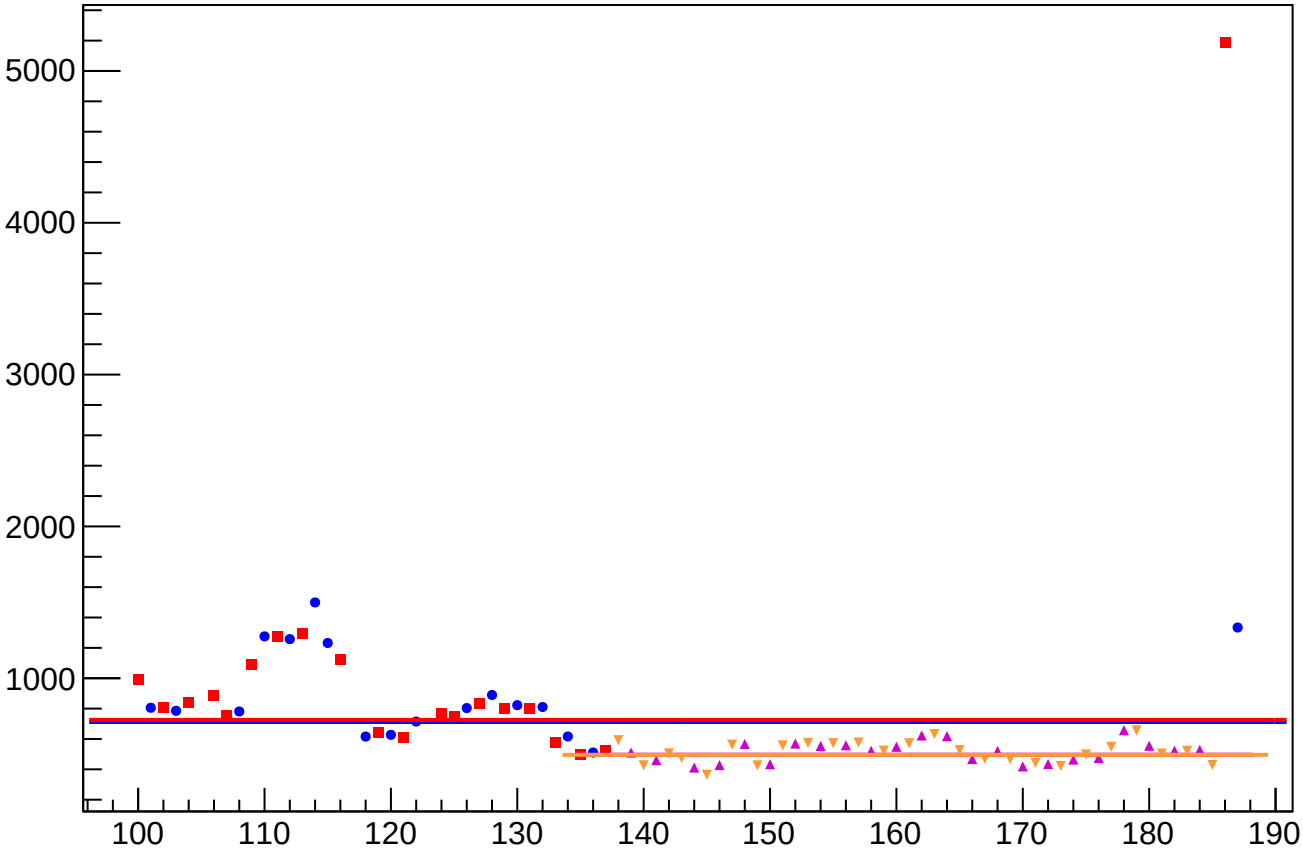
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -349.578+/-105.258 χ^2/NDF: 50.2/41

All: -231.417+/-75.329 χ^2/NDF: 100.6/84

- sign -107.361+/-107.852 χ^2/NDF: 47.8/42

asym_sam_26_48_dd_rms vs Slug



Right In: 711.965+/-0.192 χ^2/NDF: 977327.9/16

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

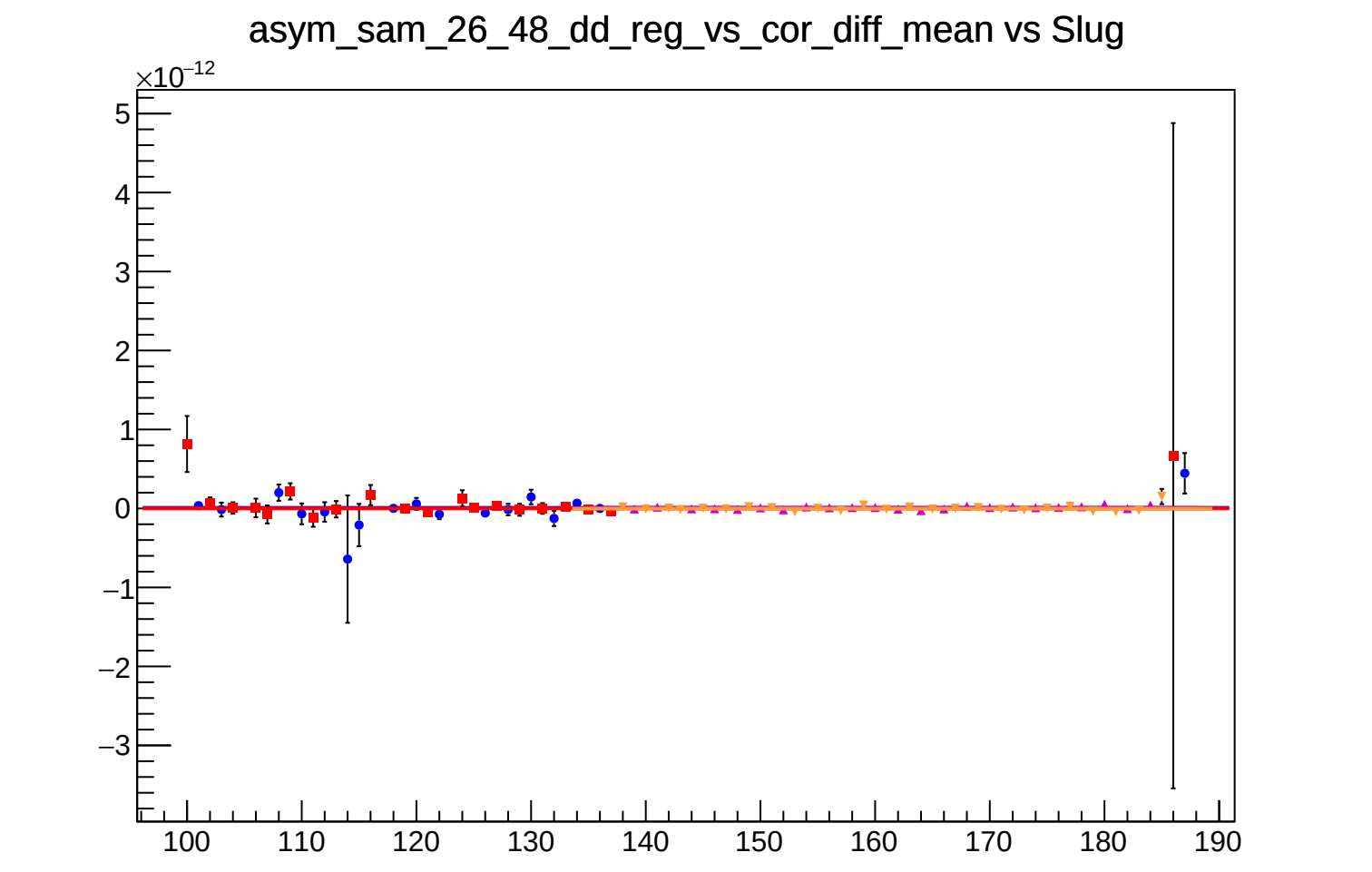
Right Out: 725.732+/-0.193 χ^2/NDF: 1606459.8/19

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 528.189+/-0.074 χ^2/NDF: 2865979.3/41

All: 530.047+/-0.053 χ^2/NDF: 6284912.4/84

- sign 531.997+/-0.076 χ^2/NDF: 3417656.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

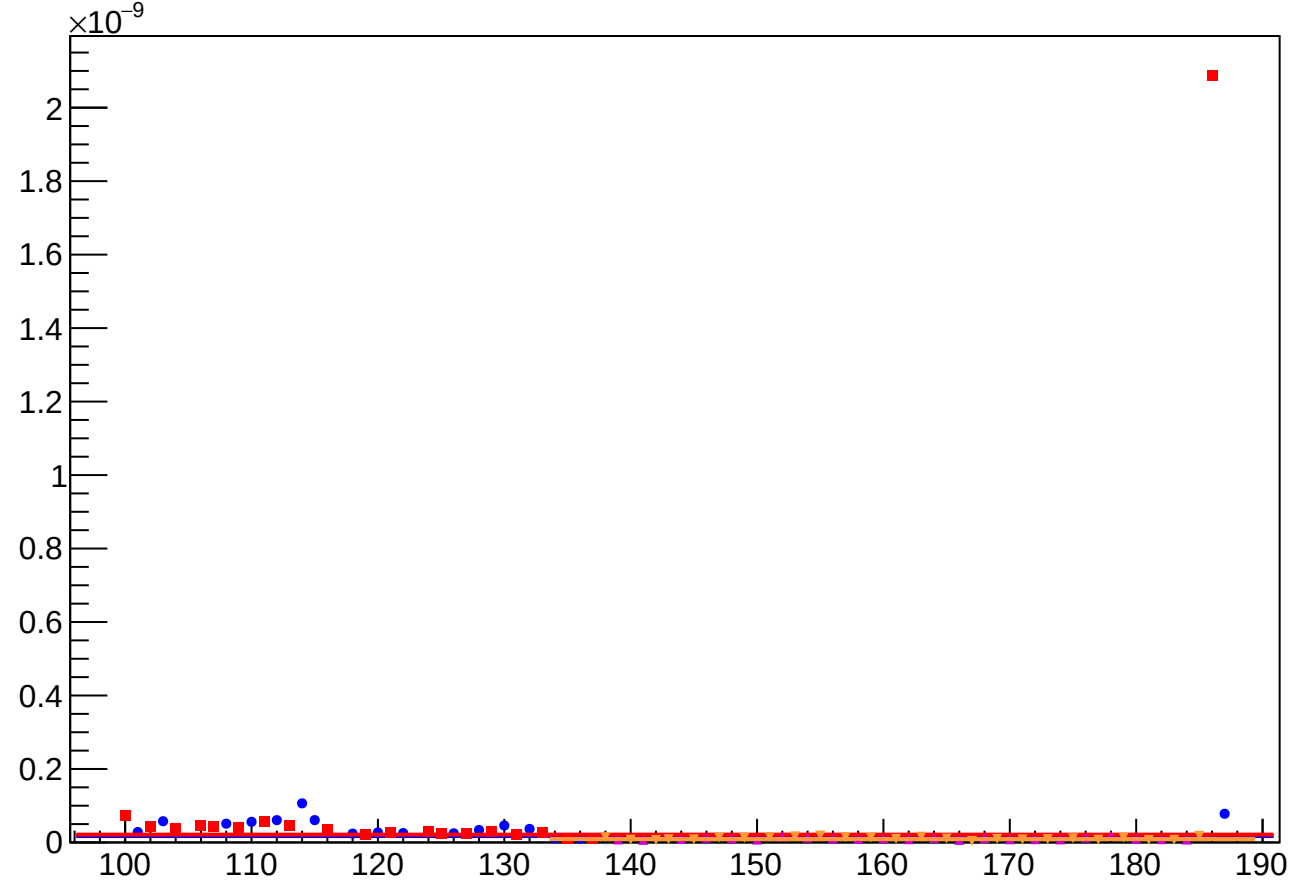
Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/19

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.1/41

All: 0.000+/-0.000 χ^2/NDF: 82.9/84

- sign 0.000+/-0.000 χ^2/NDF: 33.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2481226.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2152575.8/19

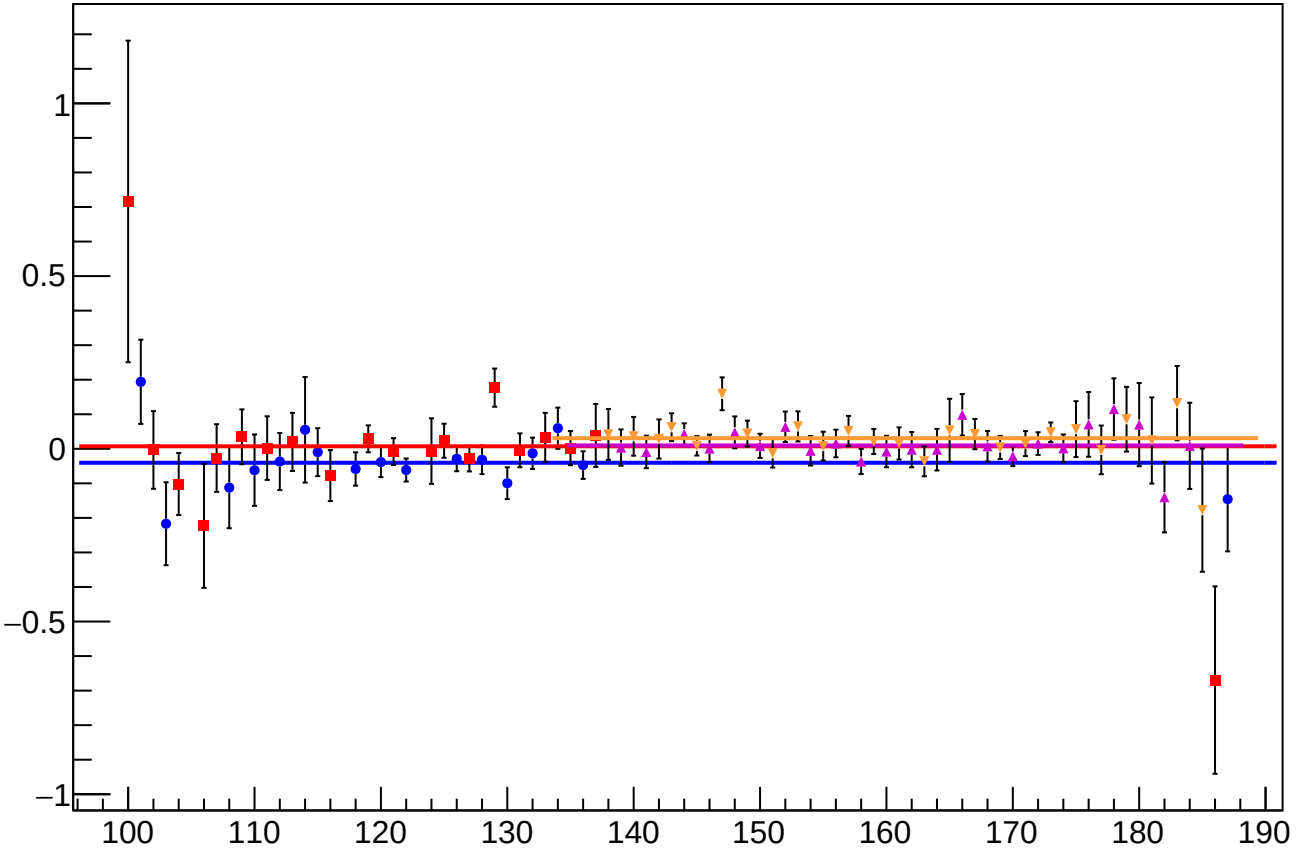
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5250317.0/41

All: 0.000+/-0.000 χ^2/NDF: 9424841.8/84

- sign 0.000+/-0.000 χ^2/NDF: 4138073.9/42

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 24.5/19

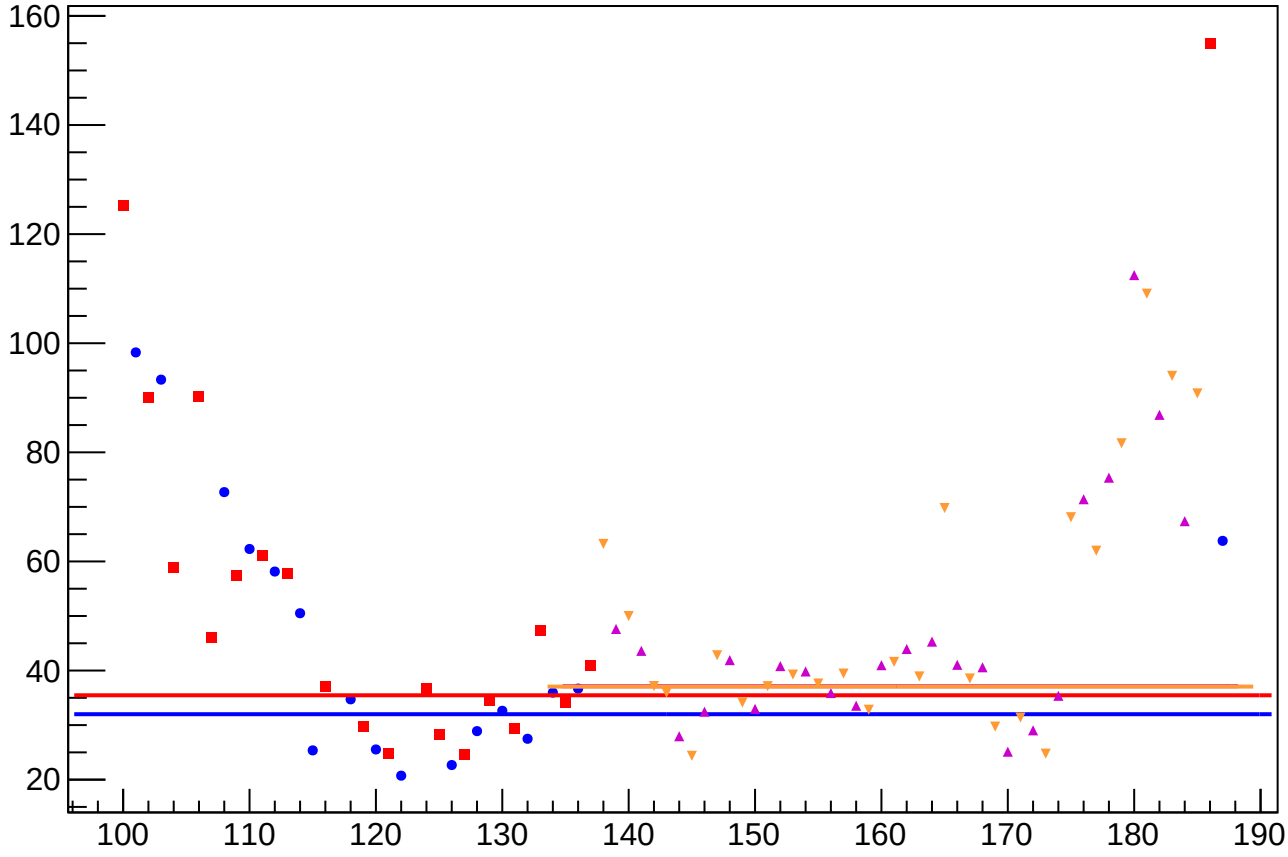
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.008+/-0.007 χ^2/NDF: 50.6/41

All: 0.008+/-0.005 χ^2/NDF: 88.4/84

- sign 0.009+/-0.008 χ^2/NDF: 37.8/42

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.996+/-0.009 χ^2/NDF: 2341492.1/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

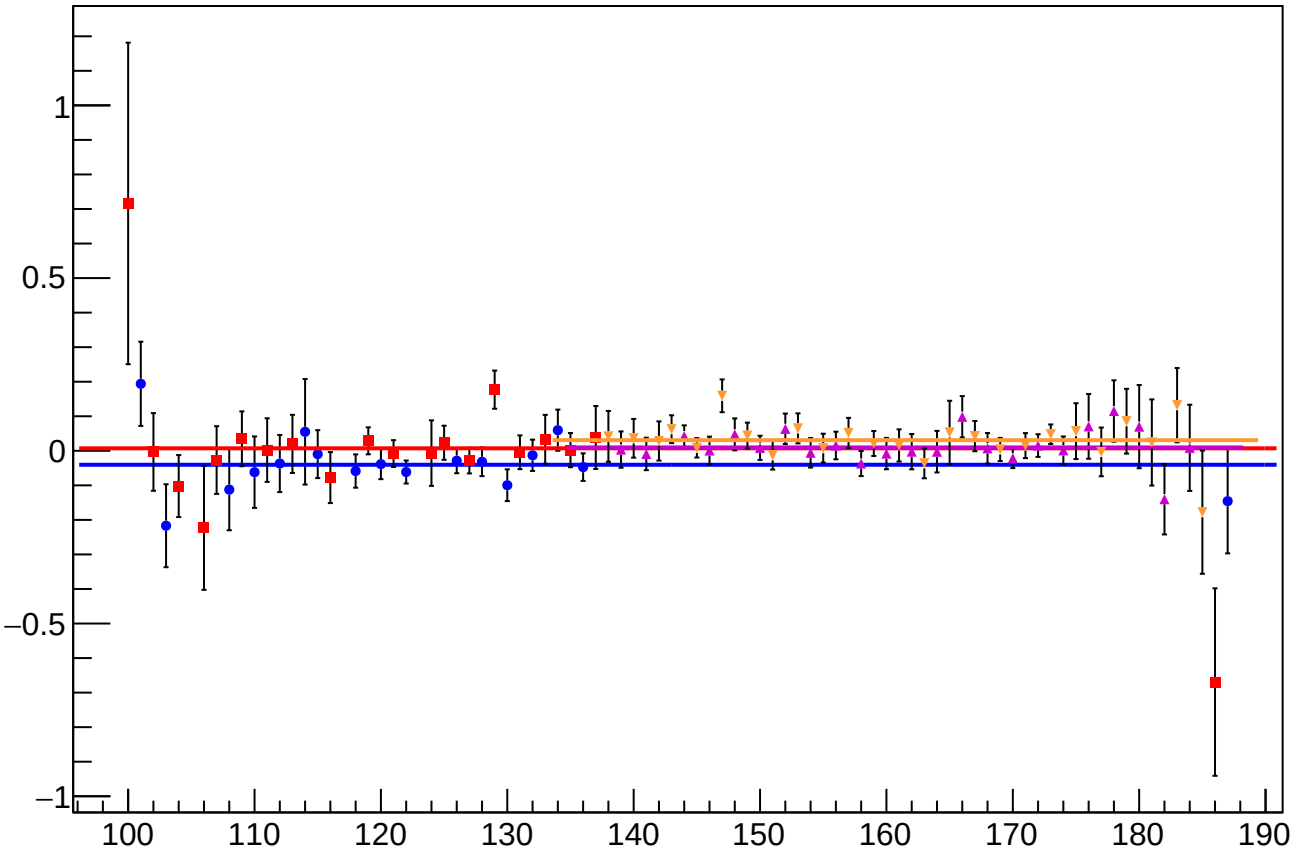
Right Out: 35.465+/-0.010 χ^2/NDF: 2233248.9/19

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.406+/-0.005 χ^2/NDF: 6595915.9/41

All: 35.987+/-0.004 χ^2/NDF: 11886273.9/84

- sign 36.620+/-0.006 χ^2/NDF: 5265212.4/42



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

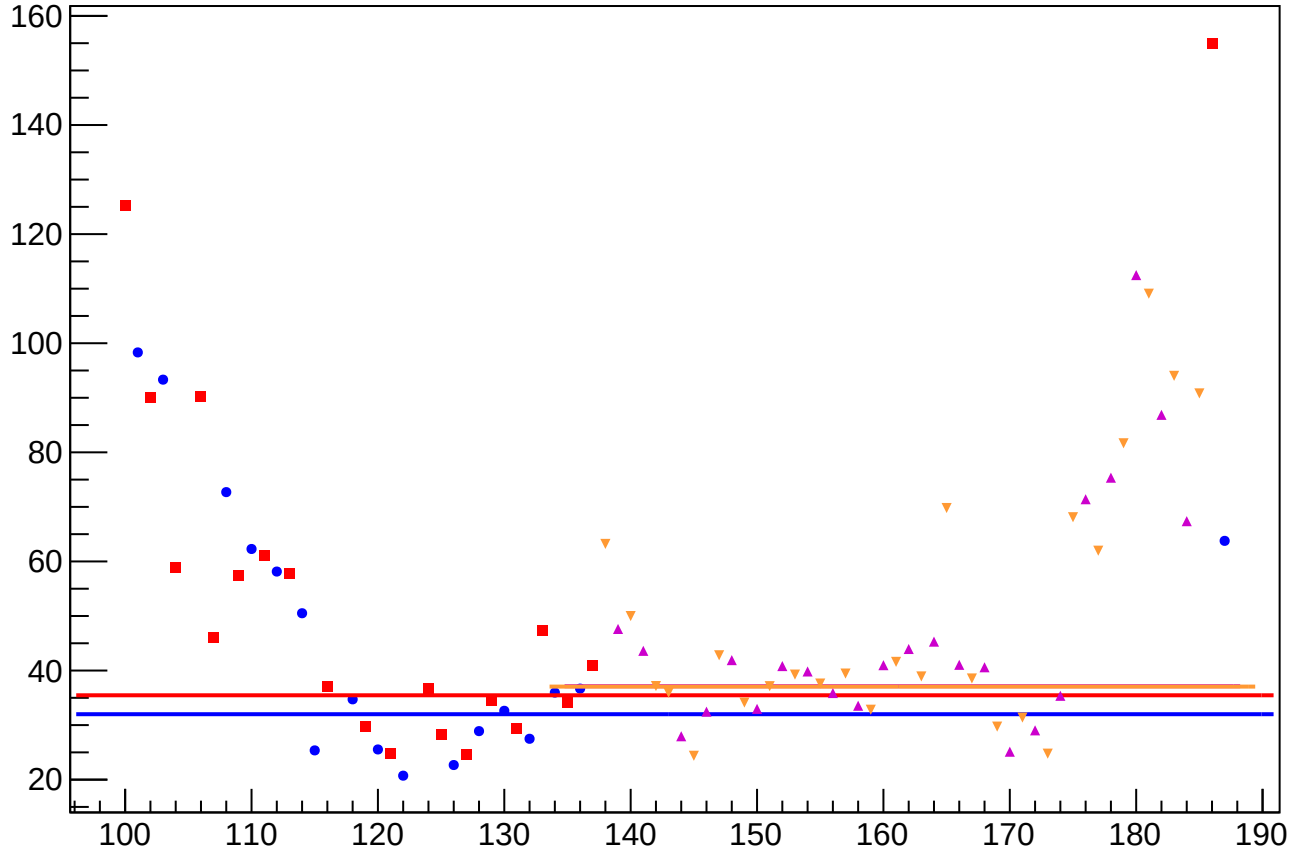
Right Out: 0.007+/-0.014 χ^2/NDF: 24.5/19

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.008+/-0.007 χ^2/NDF: 50.6/41

All: 0.008+/-0.005 χ^2/NDF: 88.4/84

\- sign 0.009+/-0.008 χ^2/NDF: 37.8/42



Right In: 31.996+/-0.009 χ^2/NDF: 2341492.1/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

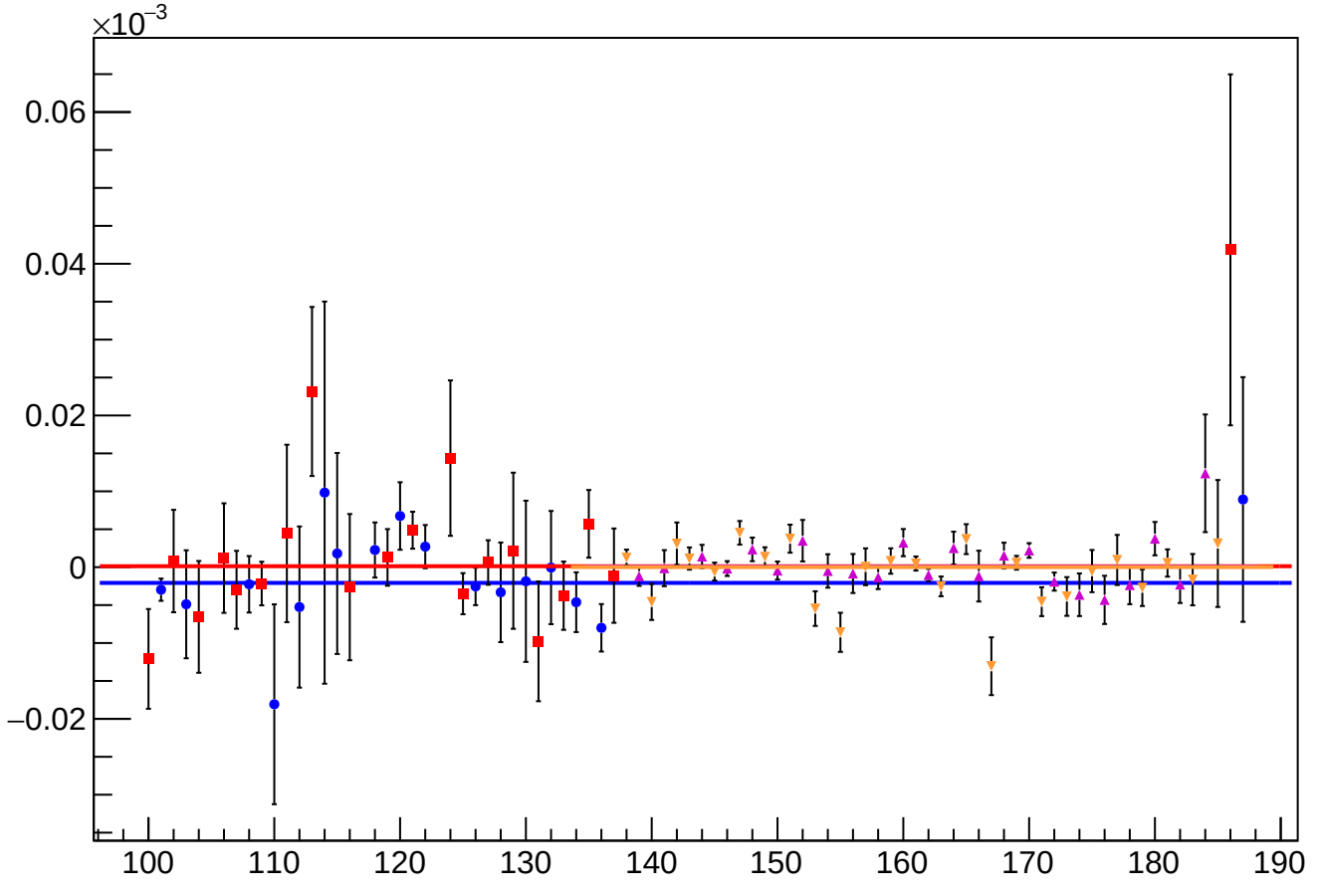
Right Out: 35.465+/-0.010 χ^2/NDF: 2233248.9/19

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 35.406+/-0.005 χ^2/NDF: 6595915.9/41

All: 35.987+/-0.004 χ^2/NDF: 11886273.9/84

- sign 36.620+/-0.006 χ^2/NDF: 5265212.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/19

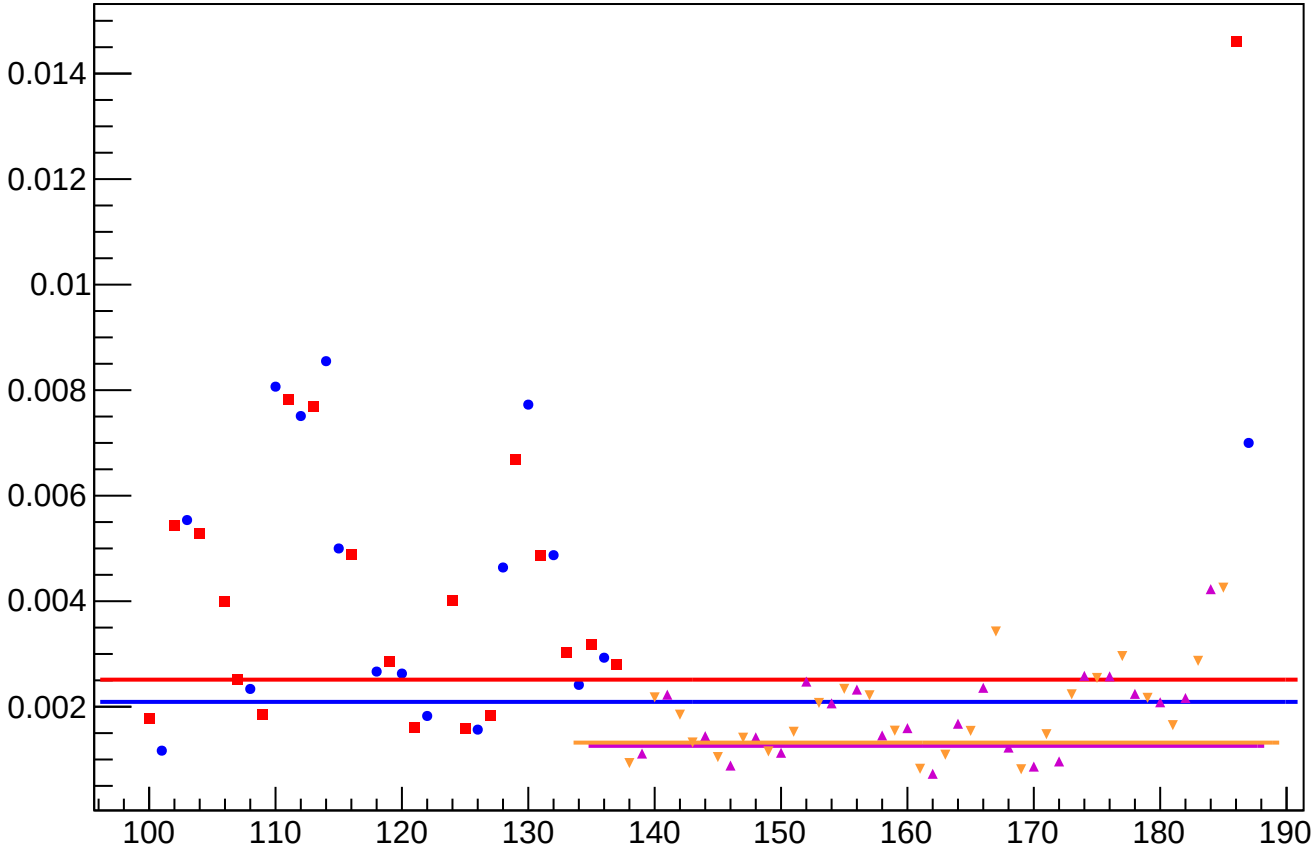
Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.5/41

All: -0.000+/-0.000 χ^2/NDF: 144.9/84

- sign 0.000+/-0.000 χ^2/NDF: 56.9/42

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4102508.2/16

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

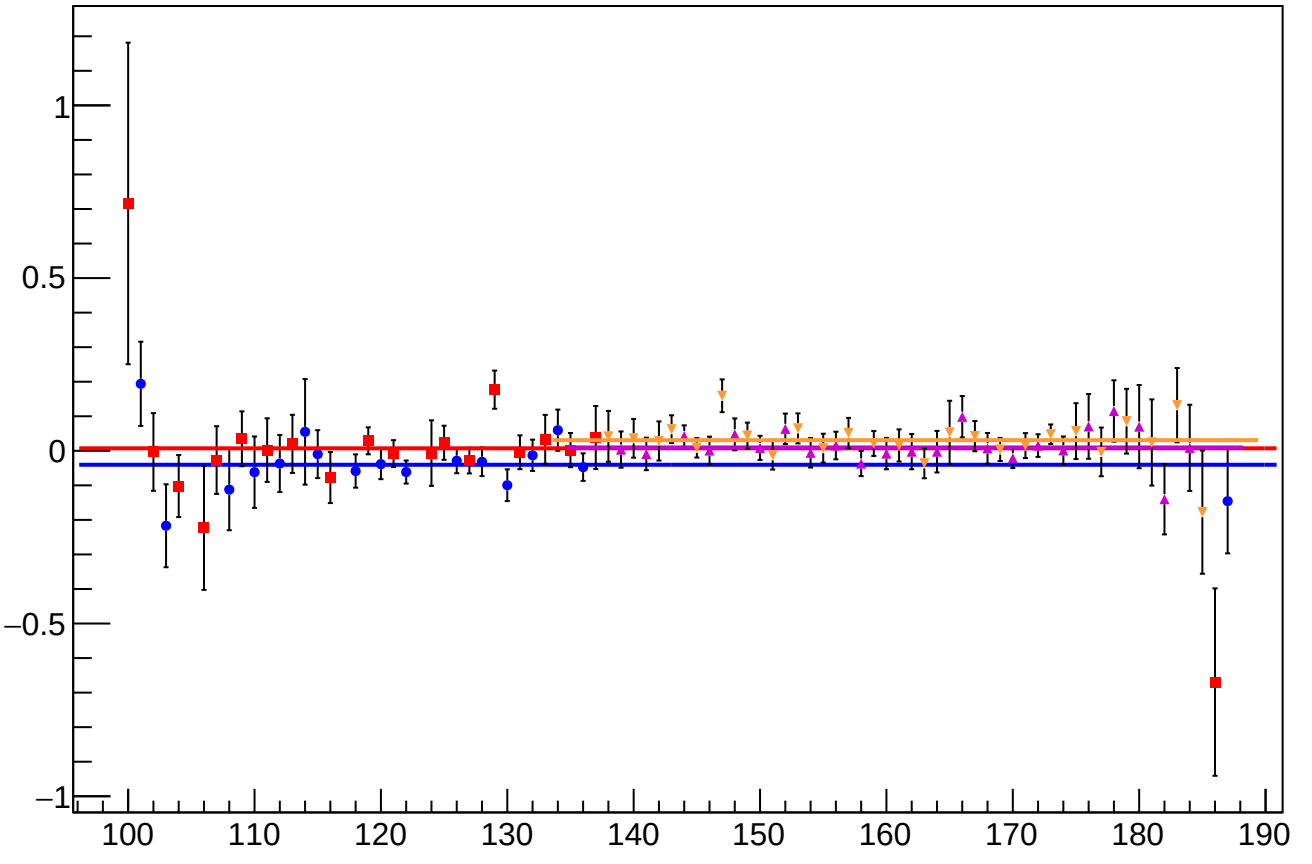
Right Out: 0.003+/-0.000 χ^2/NDF: 3639772.4/19

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 11010562.1/41

All: 0.001+/-0.000 χ^2/NDF: 22677755.6/84

- sign 0.001+/-0.000 χ^2/NDF: 11651676.4/42



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

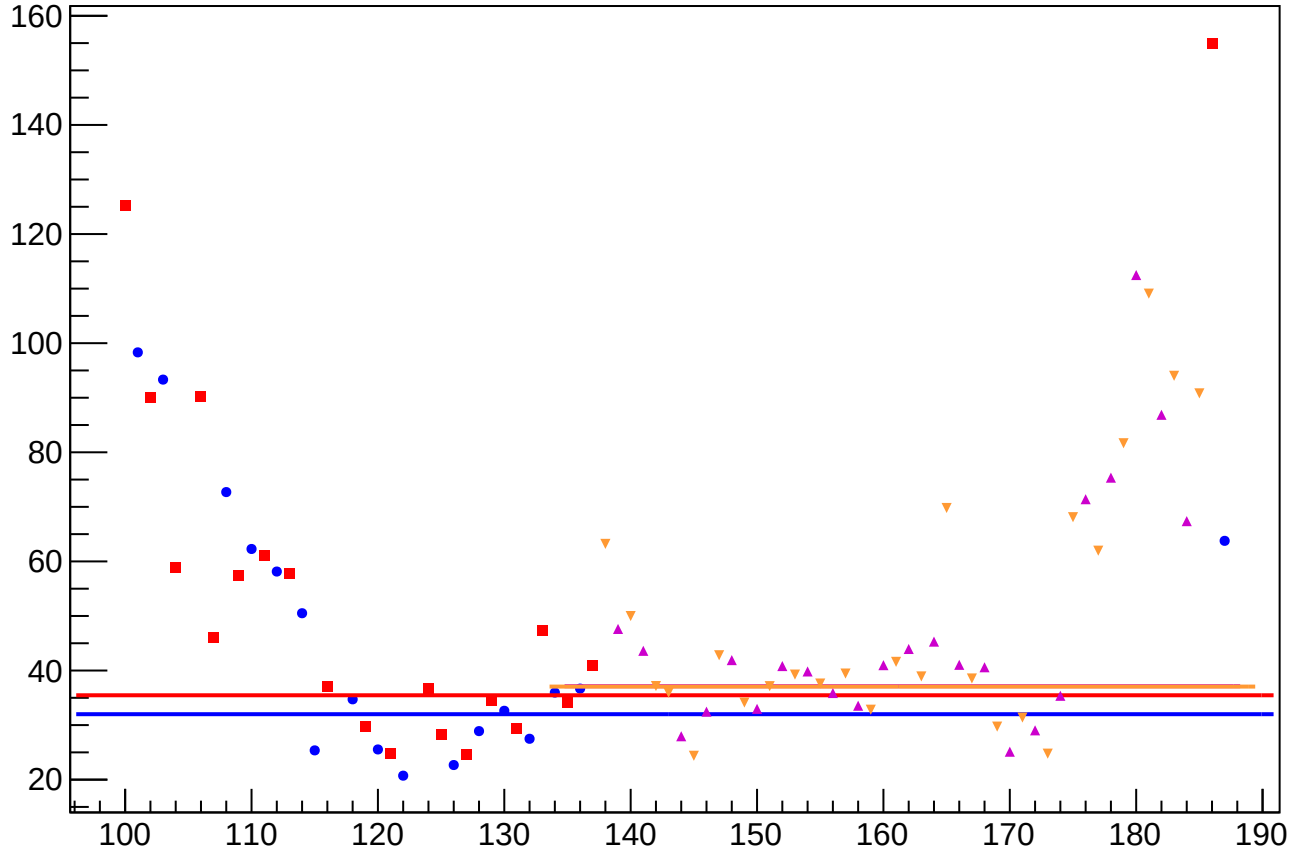
Right Out: 0.007+/-0.014 χ^2/NDF: 24.5/19

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.008+/-0.007 χ^2/NDF: 50.6/41

All: 0.008+/-0.005 χ^2/NDF: 88.4/84

\- sign 0.009+/-0.008 χ^2/NDF: 37.8/42



Right In: 31.997+/-0.009 χ^2/NDF: 2341458.5/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

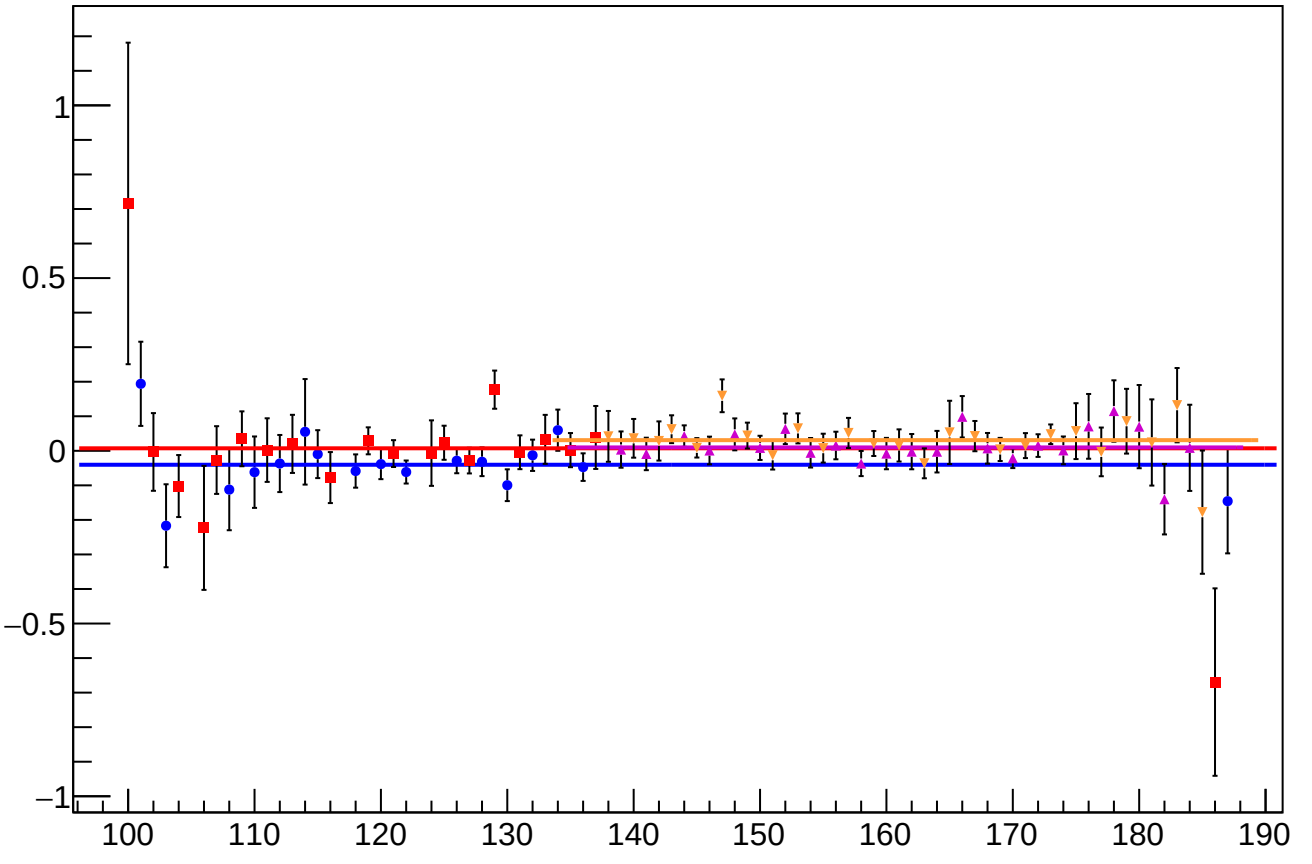
Right Out: 35.466+/-0.010 χ^2/NDF: 2233106.3/19

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.406+/-0.005 χ^2/NDF: 6595858.7/41

All: 35.987+/-0.004 χ^2/NDF: 11886033.3/84

- sign 36.620+/-0.006 χ^2/NDF: 5265029.1/42



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

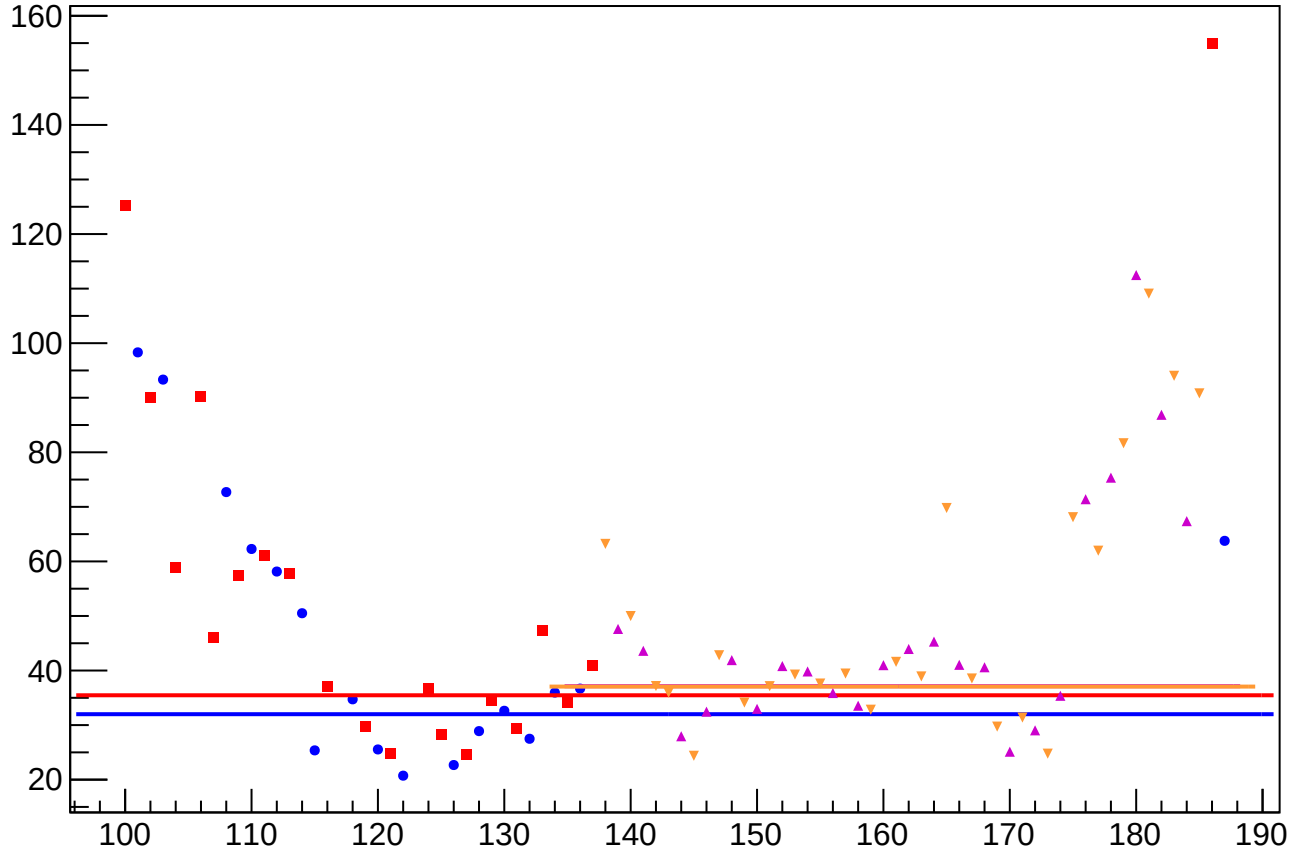
Right Out: 0.007+/-0.014 χ^2/NDF: 24.5/19

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.008+/-0.007 χ^2/NDF: 50.6/41

All: 0.008+/-0.005 χ^2/NDF: 88.4/84

\- sign 0.009+/-0.008 χ^2/NDF: 37.8/42



Right In: 31.997+/-0.009 χ^2/NDF: 2341458.5/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

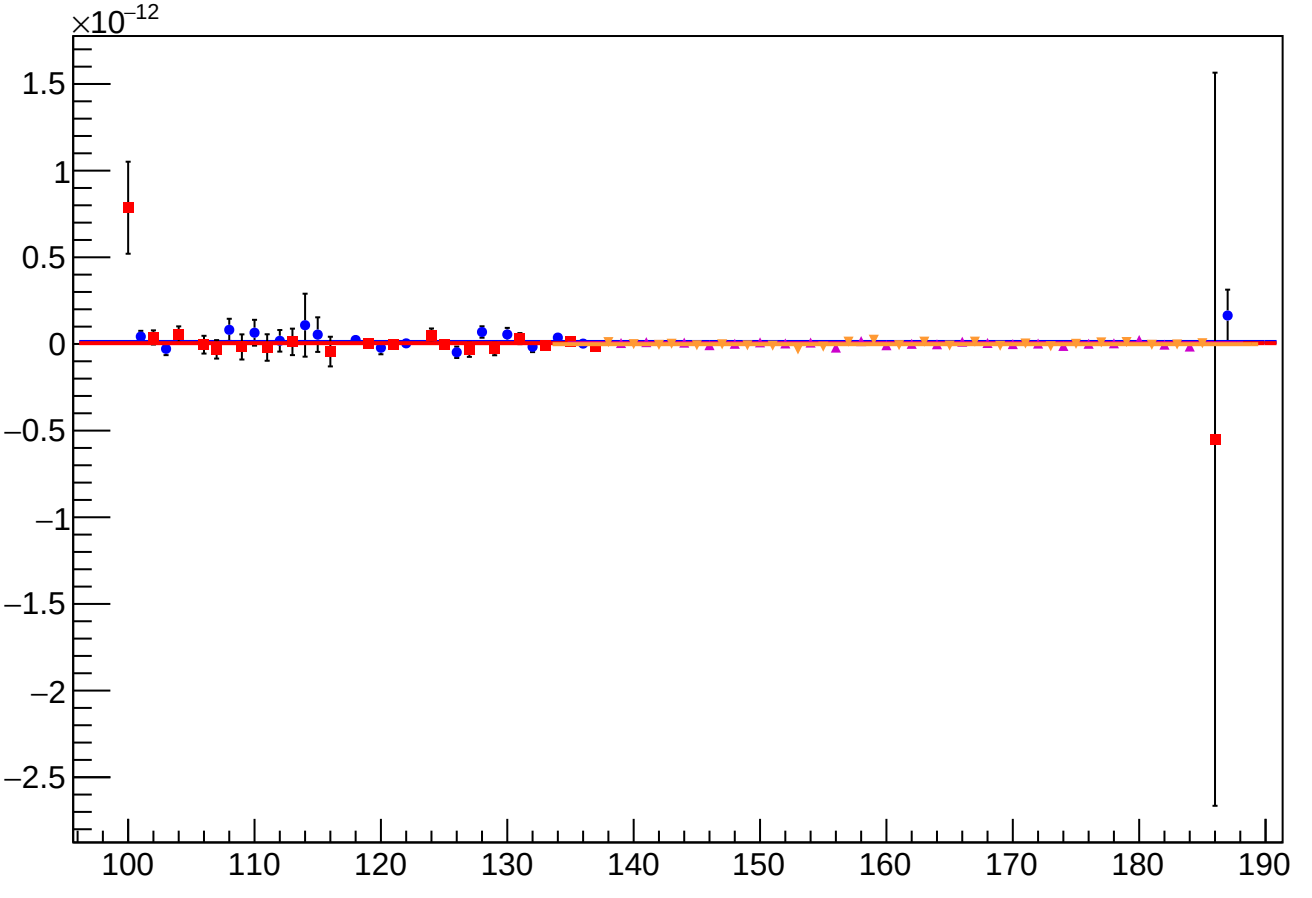
Right Out: 35.466+/-0.010 χ^2/NDF: 2233106.3/19

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 35.406+/-0.005 χ^2/NDF: 6595858.7/41

All: 35.987+/-0.004 χ^2/NDF: 11886033.3/84

- sign 36.620+/-0.006 χ^2/NDF: 5265029.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

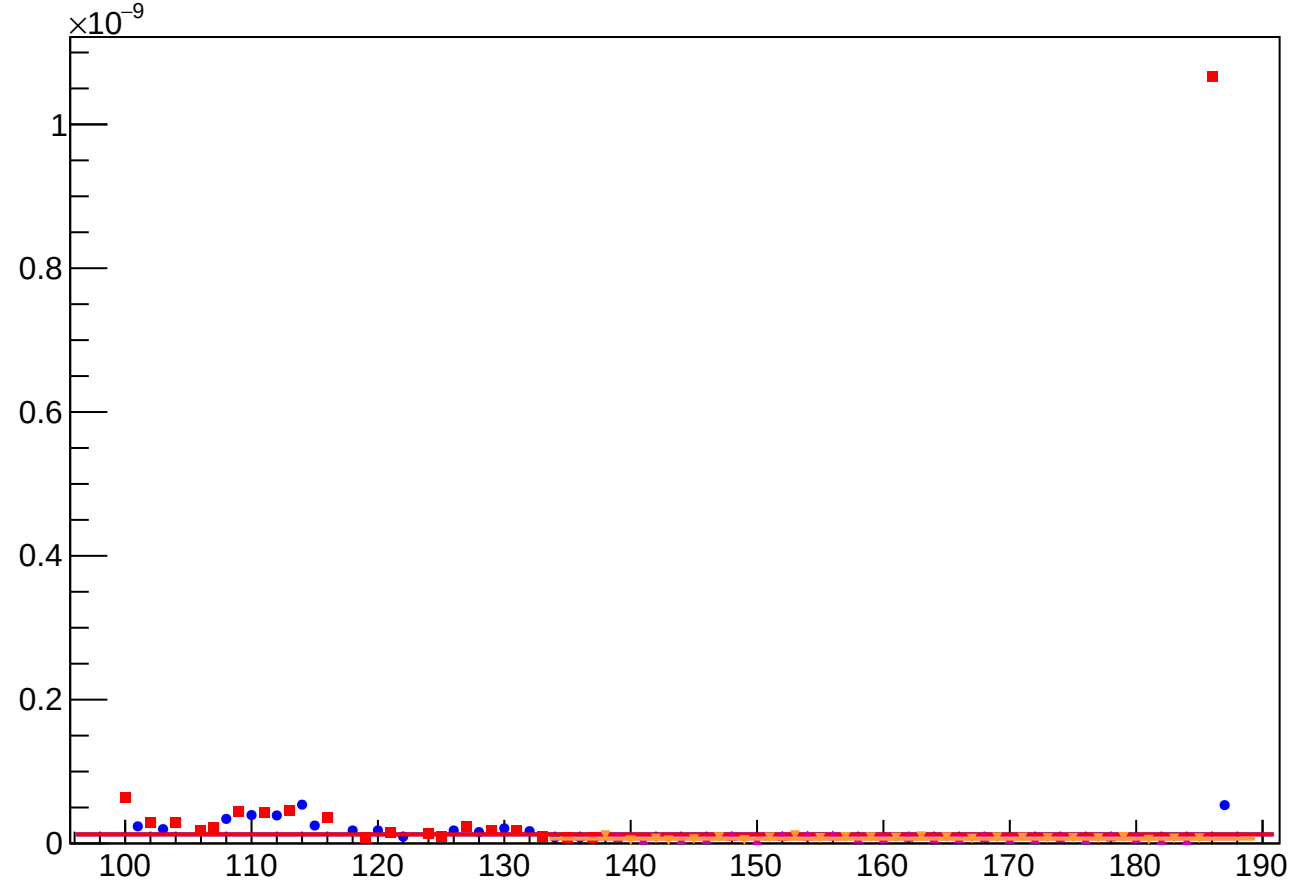
Right Out: 0.000+/-0.000 χ^2/NDF: 17.5/19

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.5/41

All: 0.000+/-0.000 χ^2/NDF: 87.5/84

- sign 0.000+/-0.000 χ^2/NDF: 38.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 2313535.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3244806.3/19

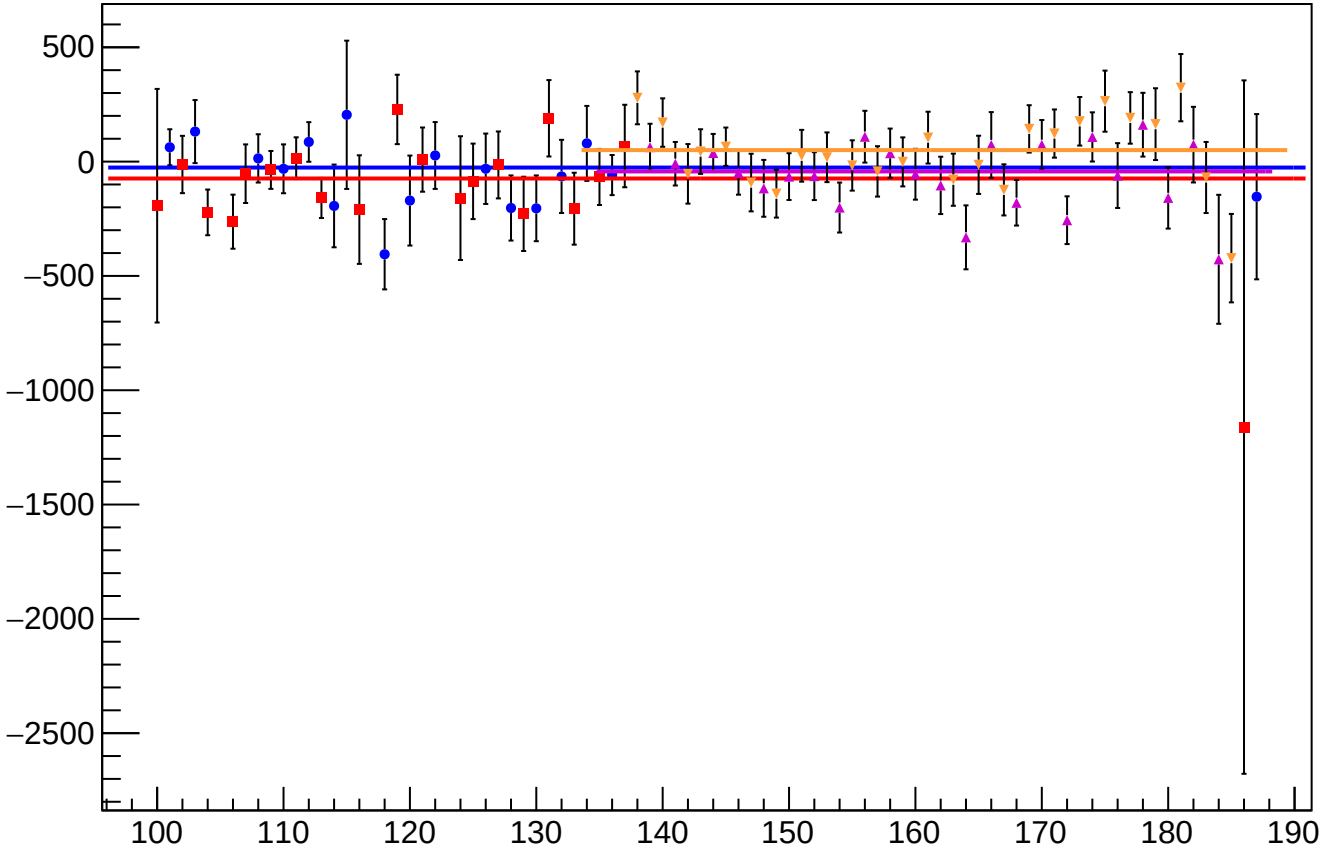
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5842654.0/41

All: 0.000+/-0.000 χ^2/NDF: 11818838.6/84

- sign 0.000+/-0.000 χ^2/NDF: 5929838.0/42

reg_asym_sam_1548_avg_mean vs Slug



Right In: -26.024+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -73.881+/-29.929 χ^2/NDF: 17.3/19

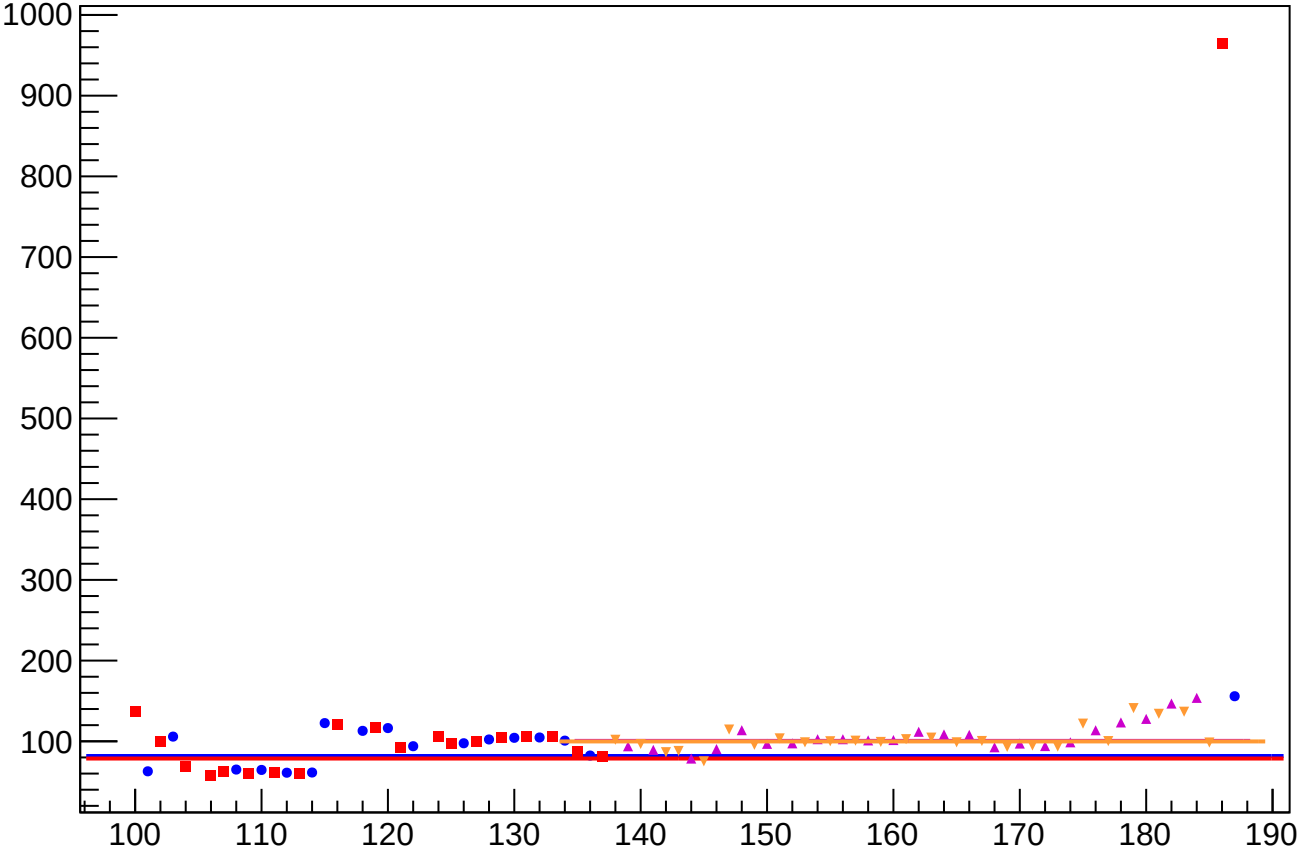
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.403+/-18.473 χ^2/NDF: 53.7/41

All: -15.490+/-13.110 χ^2/NDF: 107.2/84

- sign -54.953+/-18.608 χ^2/NDF: 44.6/42

reg_asym_sam_1548_avg_rms vs Slug



Right In: 81.763+/-0.022 χ^2/NDF: 872344.9/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

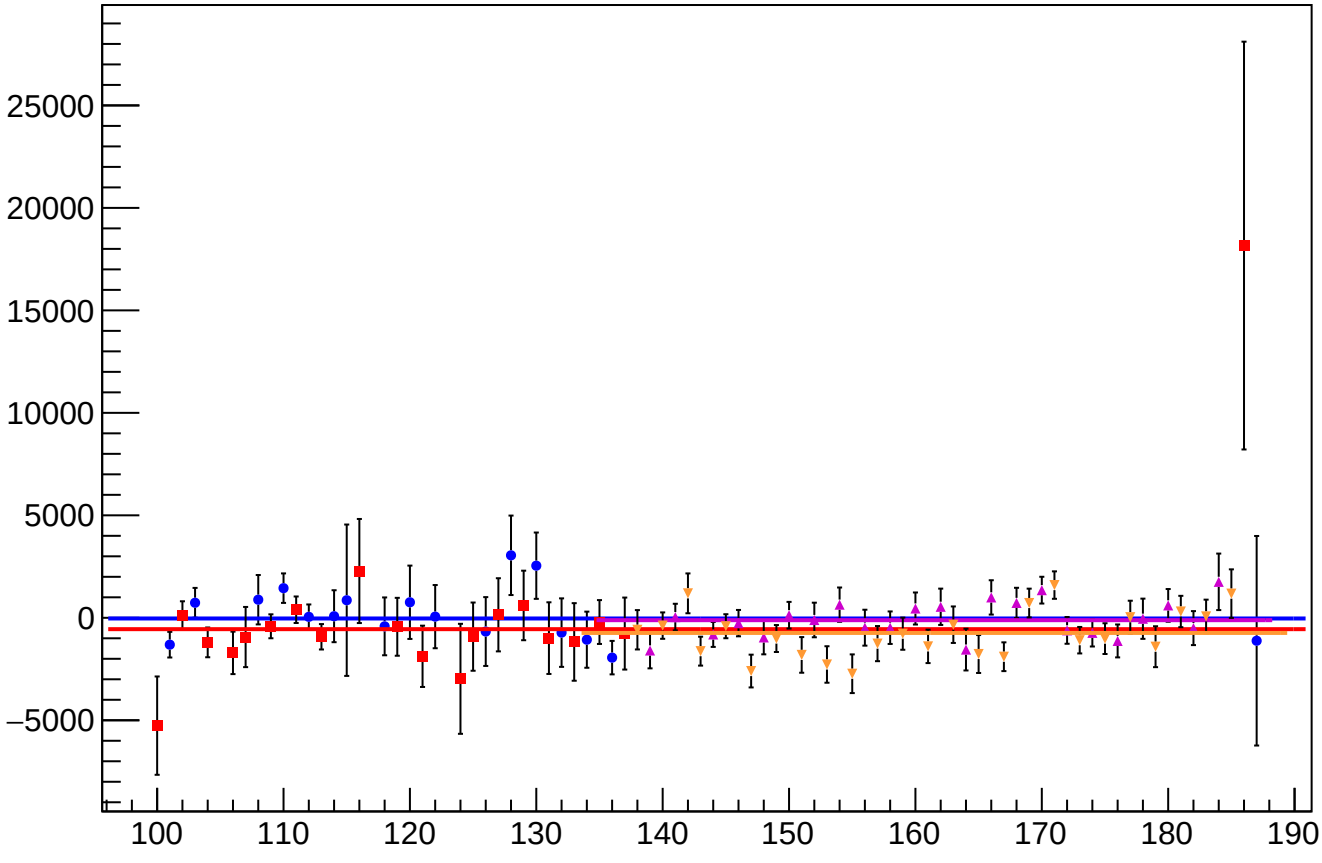
Right Out: 78.643+/-0.021 χ^2/NDF: 1617531.1/19

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.467+/-0.013 χ^2/NDF: 2007194.5/41

All: 92.763+/-0.009 χ^2/NDF: 4941619.7/84

- sign 92.050+/-0.013 χ^2/NDF: 2928583.6/42



Right In: -33.153+/-256.675 χ^2/NDF: 21.9/16

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -554.134+/-238.423 χ^2/NDF: 16.8/19

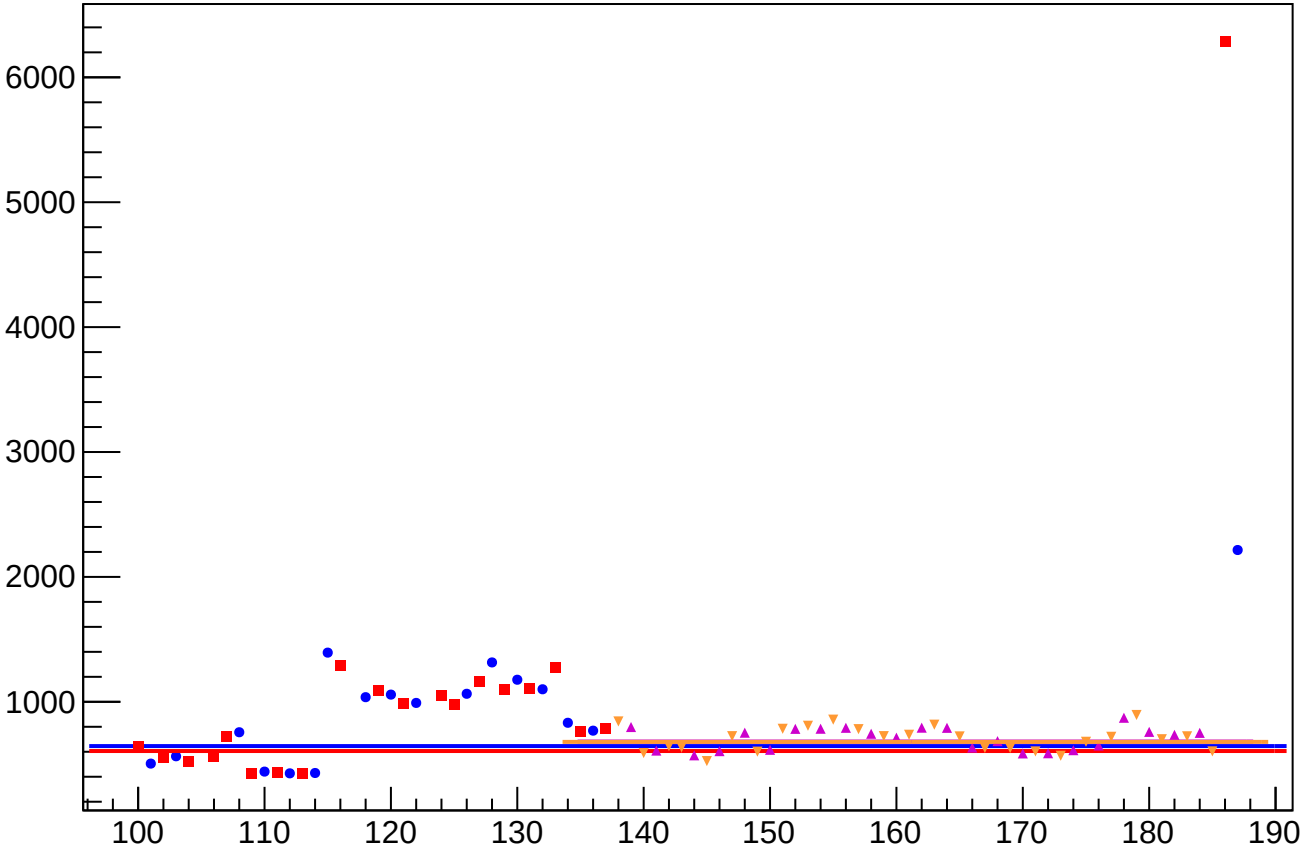
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

\+ sign -547.582+/-133.503 χ^2/NDF: 77.1/41

All: -400.179+/-94.372 χ^2/NDF: 122.4/84

\- sign -252.956+/-133.422 χ^2/NDF: 42.9/42

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 645.466+/-0.181 χ^2/NDF: 2064079.2/16

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 605.918+/-0.169 χ^2/NDF: 2722742.7/19

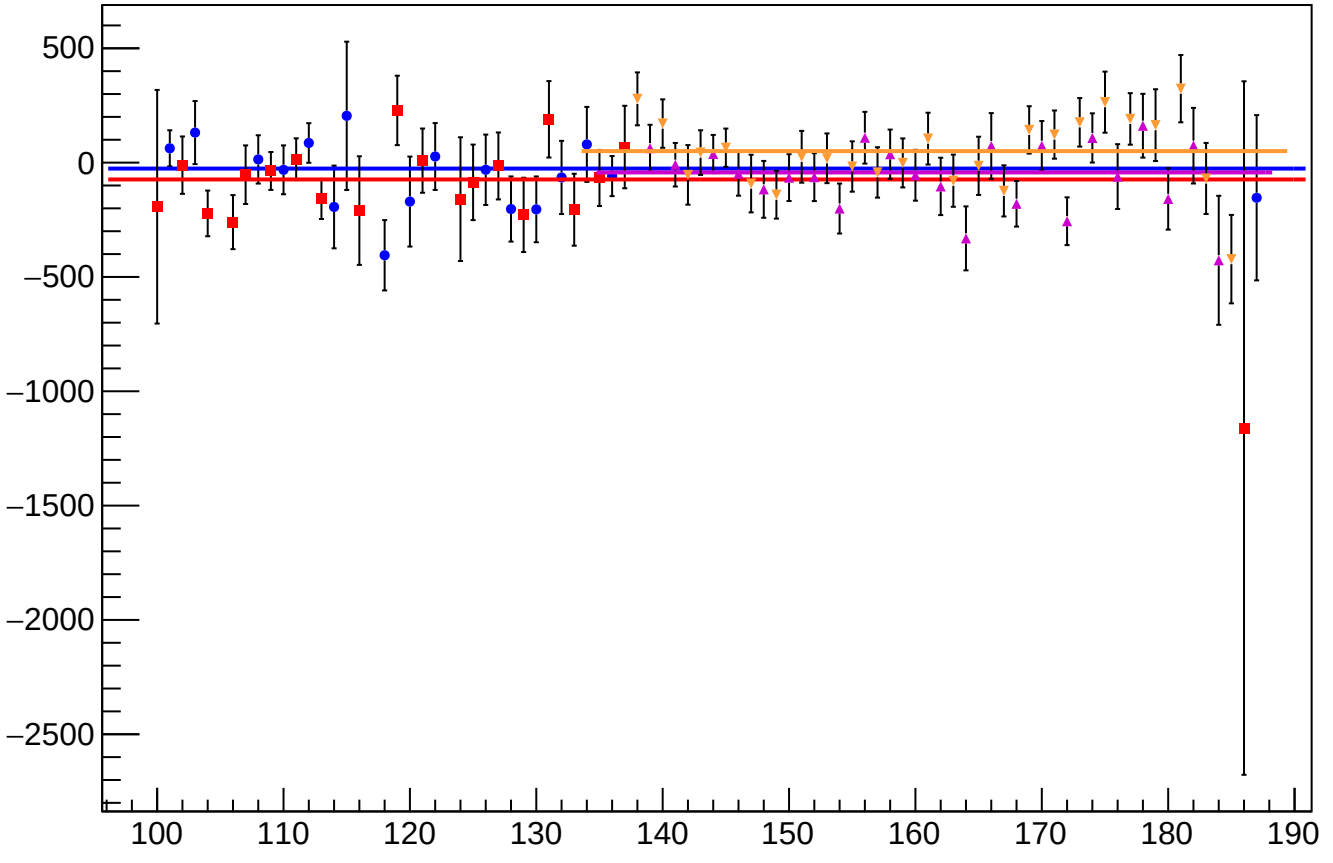
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 670.035+/-0.094 χ^2/NDF: 2826618.7/41

All: 664.064+/-0.067 χ^2/NDF: 6270655.4/84

- sign 658.101+/-0.094 χ^2/NDF: 3436041.7/42

cor_asym_sam_1548_avg_mean vs Slug



Right In: -26.028+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -73.616+/-29.931 χ^2/NDF: 17.2/19

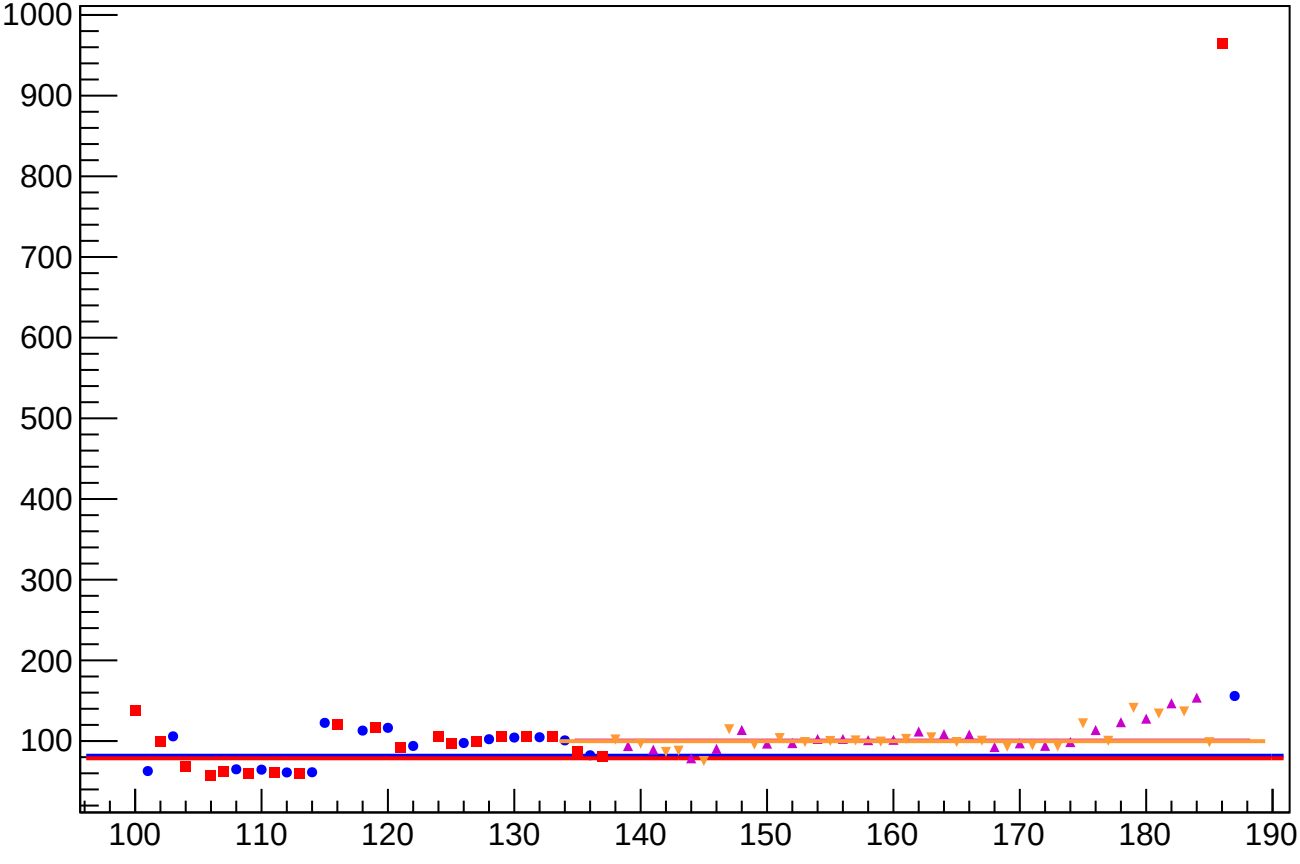
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.408+/-18.473 χ^2/NDF: 53.7/41

All: -15.436+/-13.110 χ^2/NDF: 107.1/84

- sign -54.850+/-18.608 χ^2/NDF: 44.5/42

cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.763+/-0.022 χ^2/NDF: 872347.2/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 78.625+/-0.021 χ^2/NDF: 1619698.1/19

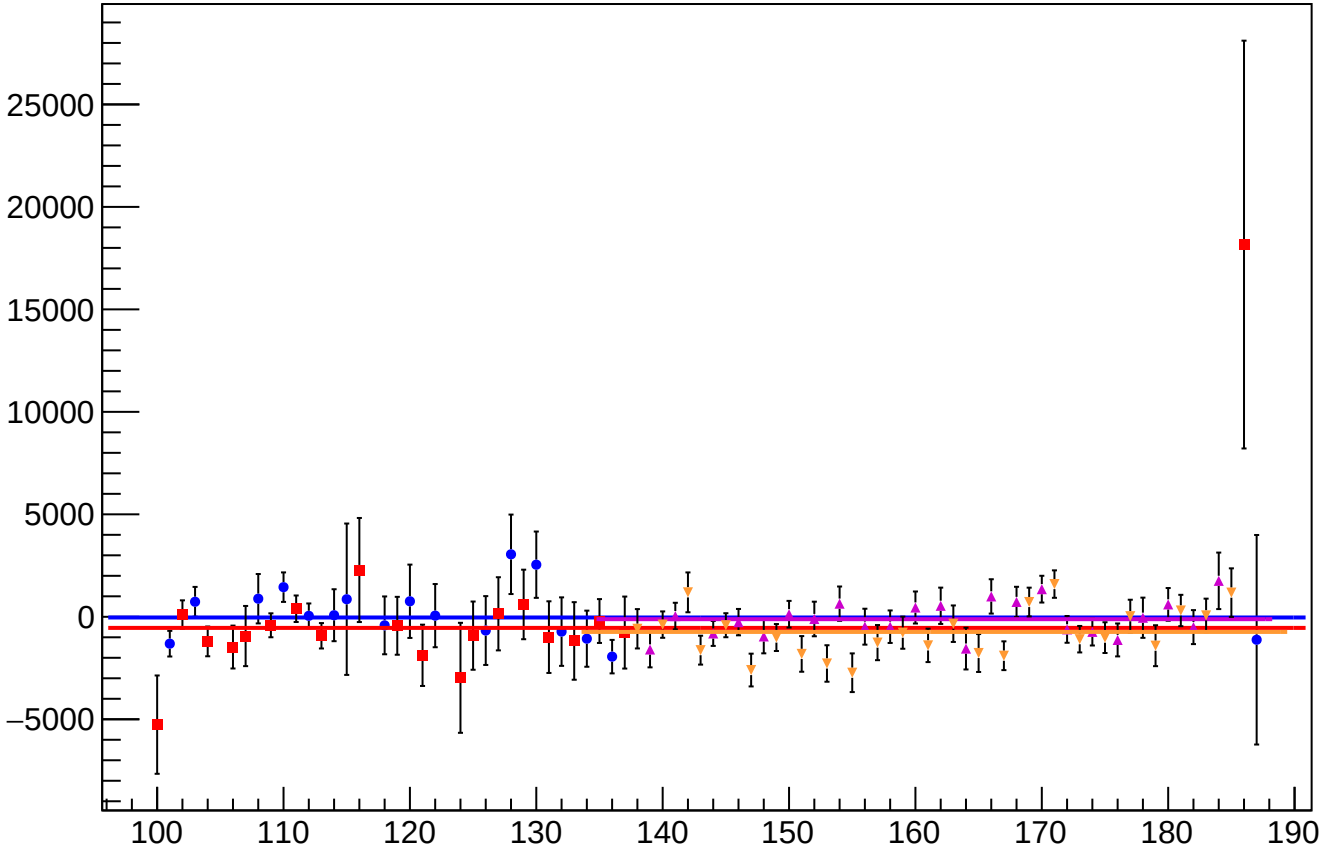
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.467+/-0.013 χ^2/NDF: 2007195.9/41

All: 92.760+/-0.009 χ^2/NDF: 4944906.6/84

- sign 92.043+/-0.013 χ^2/NDF: 2931815.1/42

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -33.180+/-256.678 χ^2/NDF: 21.9/16

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -541.186+/-238.571 χ^2/NDF: 16.4/19

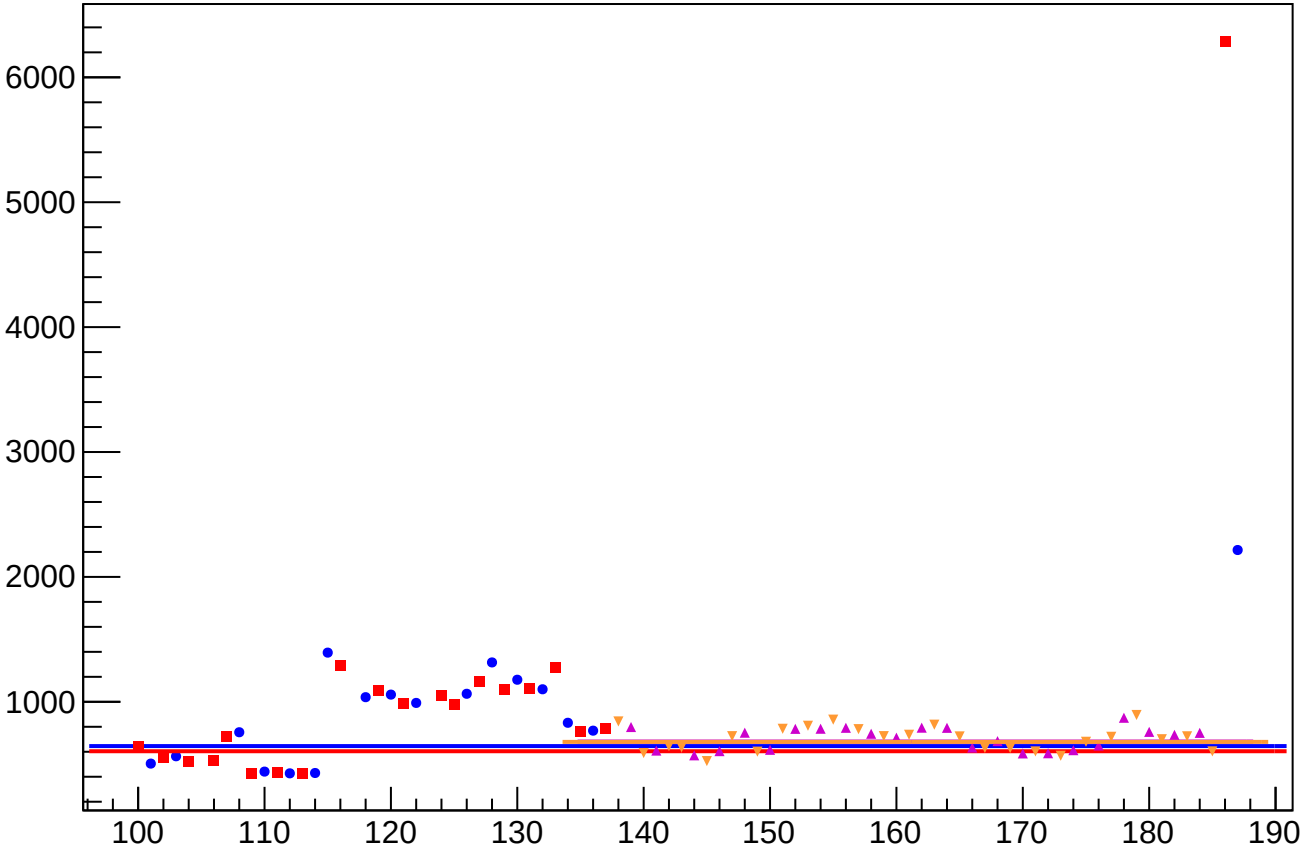
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.584+/-133.504 χ^2/NDF: 77.1/41

All: -398.123+/-94.382 χ^2/NDF: 121.9/84

- sign -248.788+/-133.448 χ^2/NDF: 42.3/42

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 645.475+/-0.181 χ^2/NDF: 2064036.0/16

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 604.245+/-0.169 χ^2/NDF: 2730052.2/19

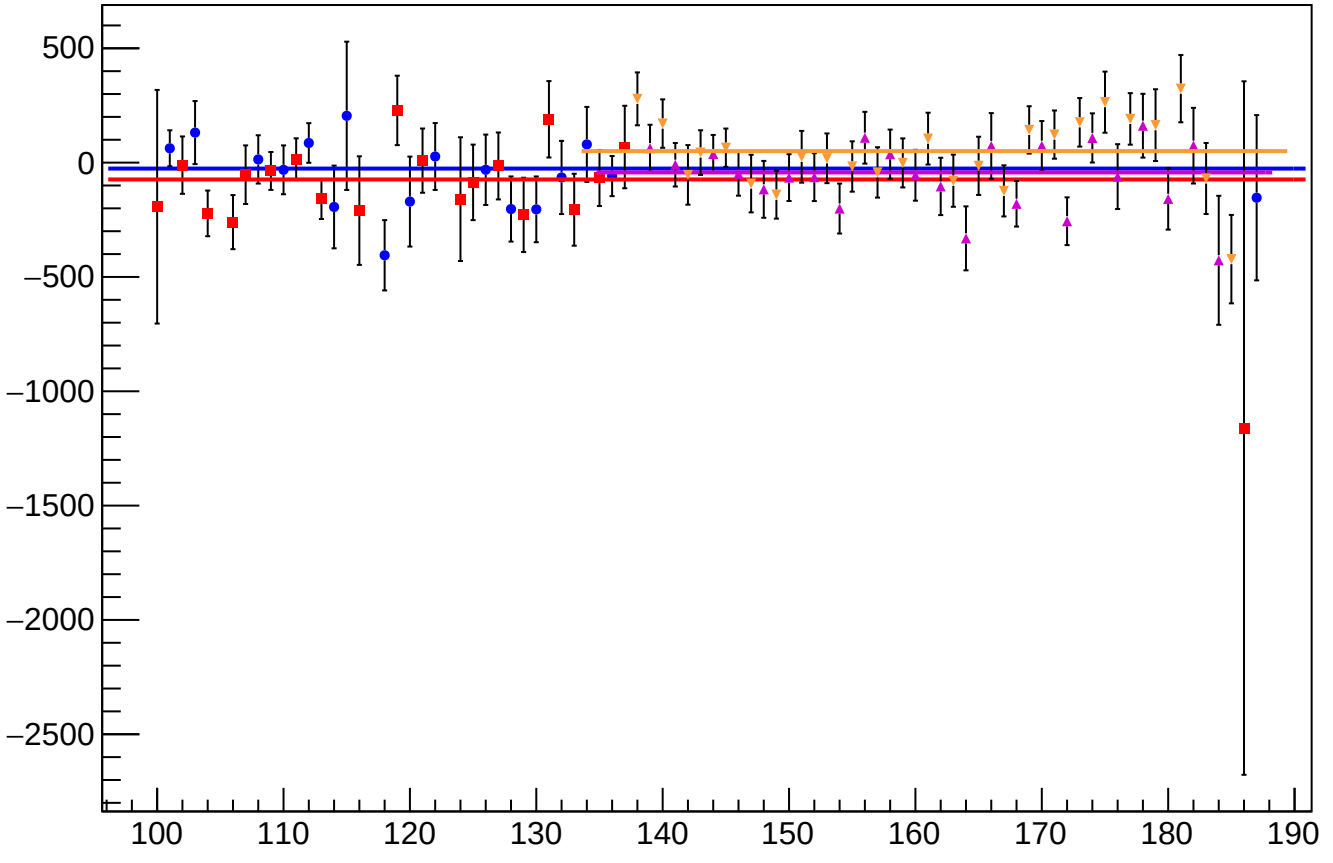
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 670.037+/-0.094 χ^2/NDF: 2826560.6/41

All: 663.815+/-0.067 χ^2/NDF: 6284686.1/84

- sign 657.598+/-0.094 χ^2/NDF: 3449440.1/42

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -26.028+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -73.616+/-29.931 χ^2/NDF: 17.2/19

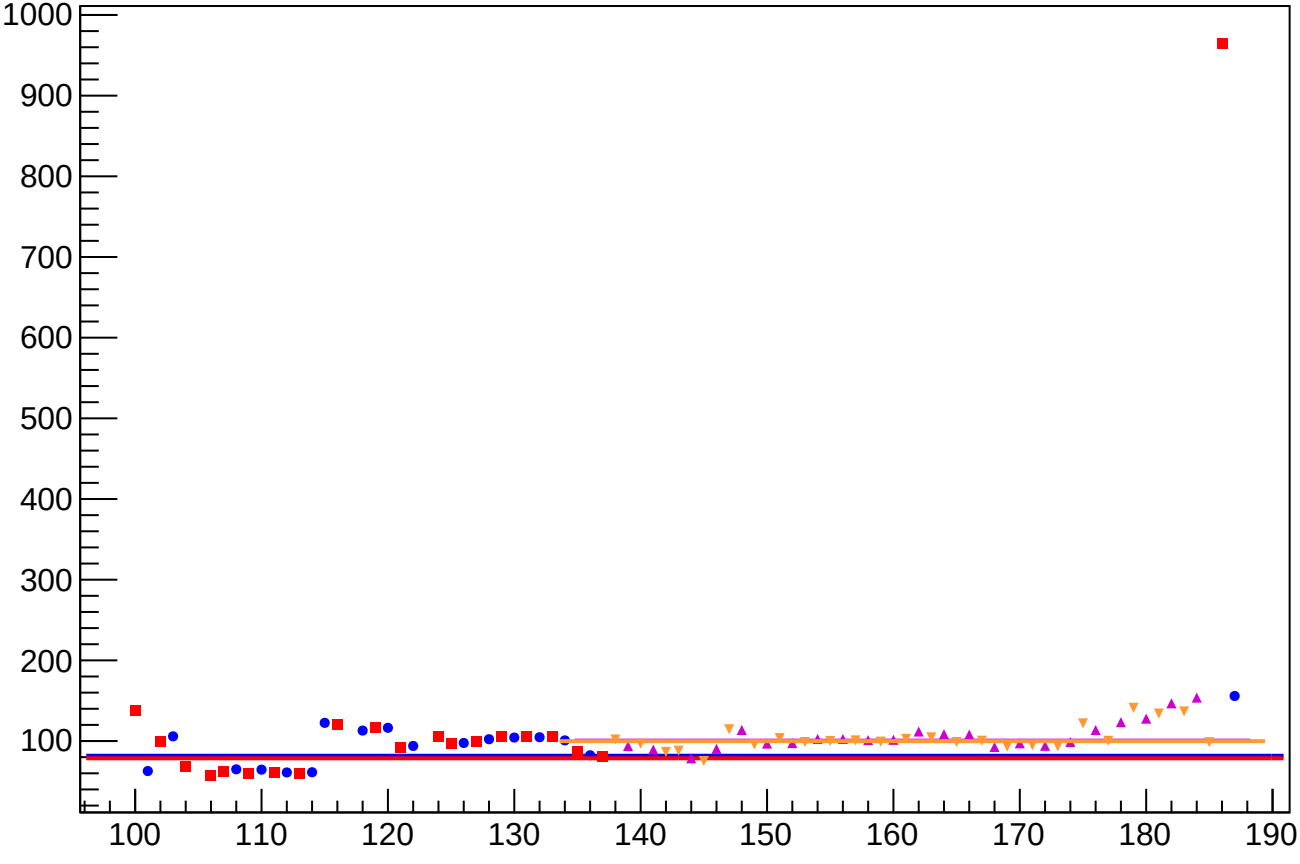
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.408+/-18.473 χ^2/NDF: 53.7/41

All: -15.436+/-13.110 χ^2/NDF: 107.1/84

- sign -54.850+/-18.608 χ^2/NDF: 44.5/42

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 81.763+/-0.022 χ^2/NDF: 872347.2/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

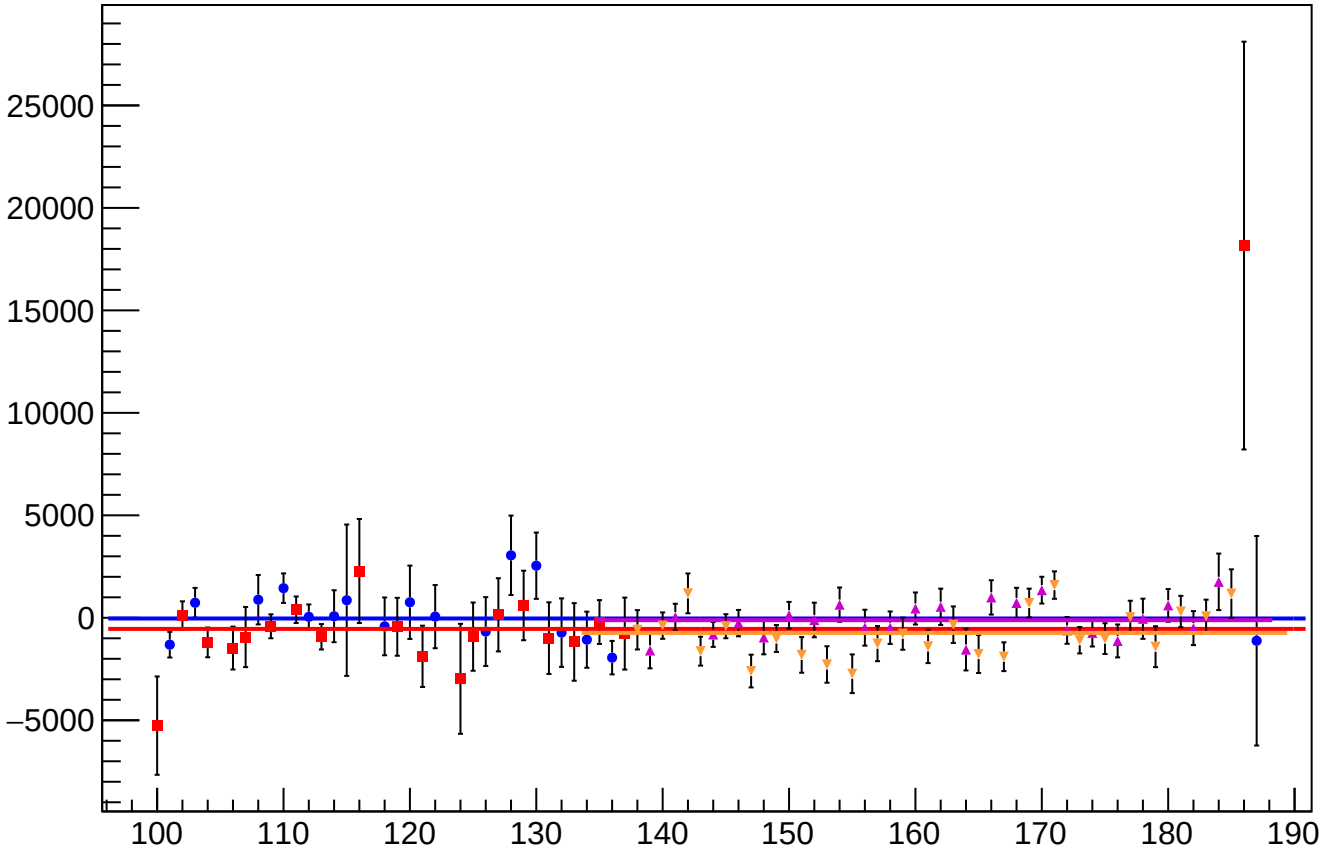
Right Out: 78.625+/-0.021 χ^2/NDF: 1619698.1/19

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 93.467+/-0.013 χ^2/NDF: 2007195.9/41

All: 92.760+/-0.009 χ^2/NDF: 4944906.6/84

- sign 92.043+/-0.013 χ^2/NDF: 2931815.1/42



Right In: -33.180+/-256.678 χ^2/NDF: 21.9/16

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

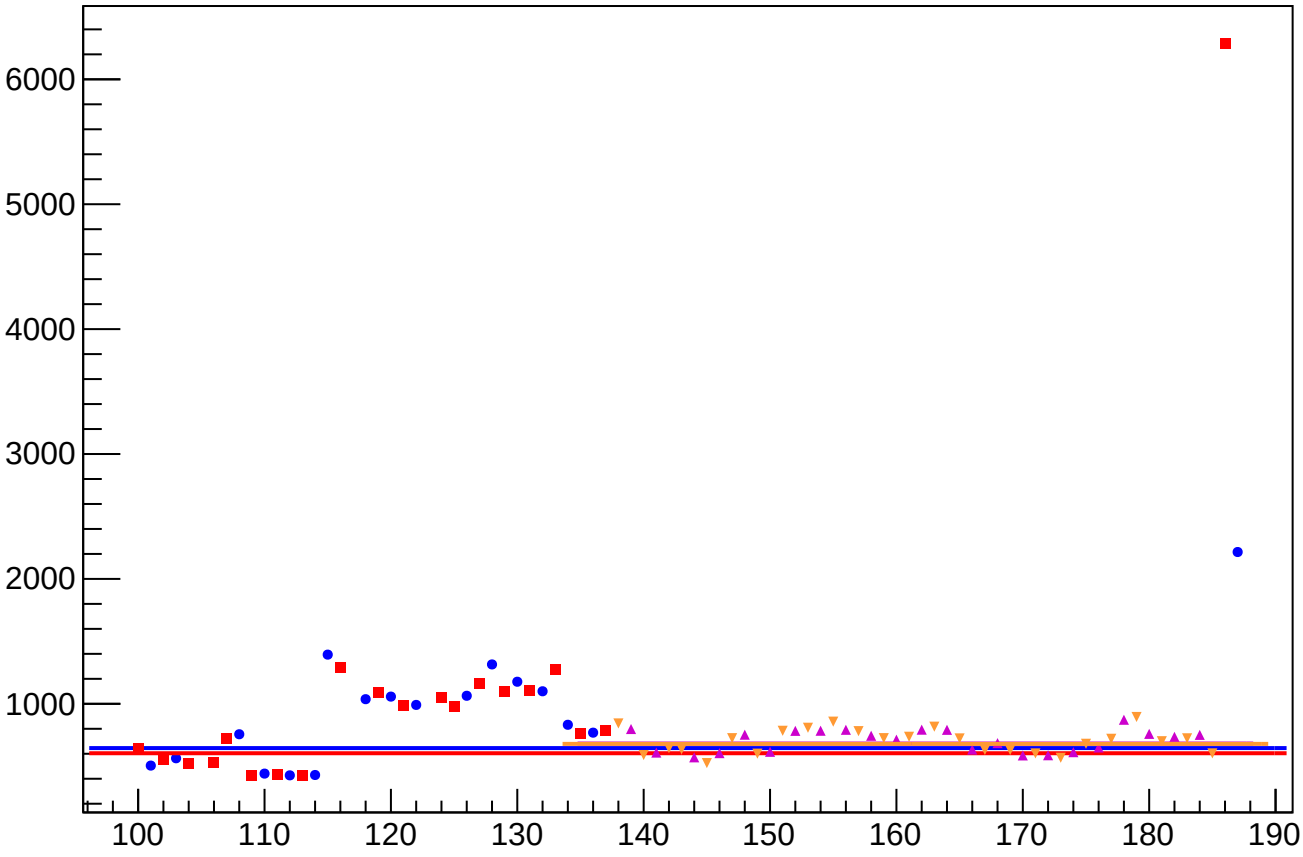
Right Out: -541.186+/-238.571 χ^2/NDF: 16.4/19

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -547.584+/-133.504 χ^2/NDF: 77.1/41

All: -398.123+/-94.382 χ^2/NDF: 121.9/84

- sign -248.788+/-133.448 χ^2/NDF: 42.3/42



Right In: 645.475+/-0.181 χ^2/NDF: 2064036.0/16

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 604.245+/-0.169 χ^2/NDF: 2730052.2/19

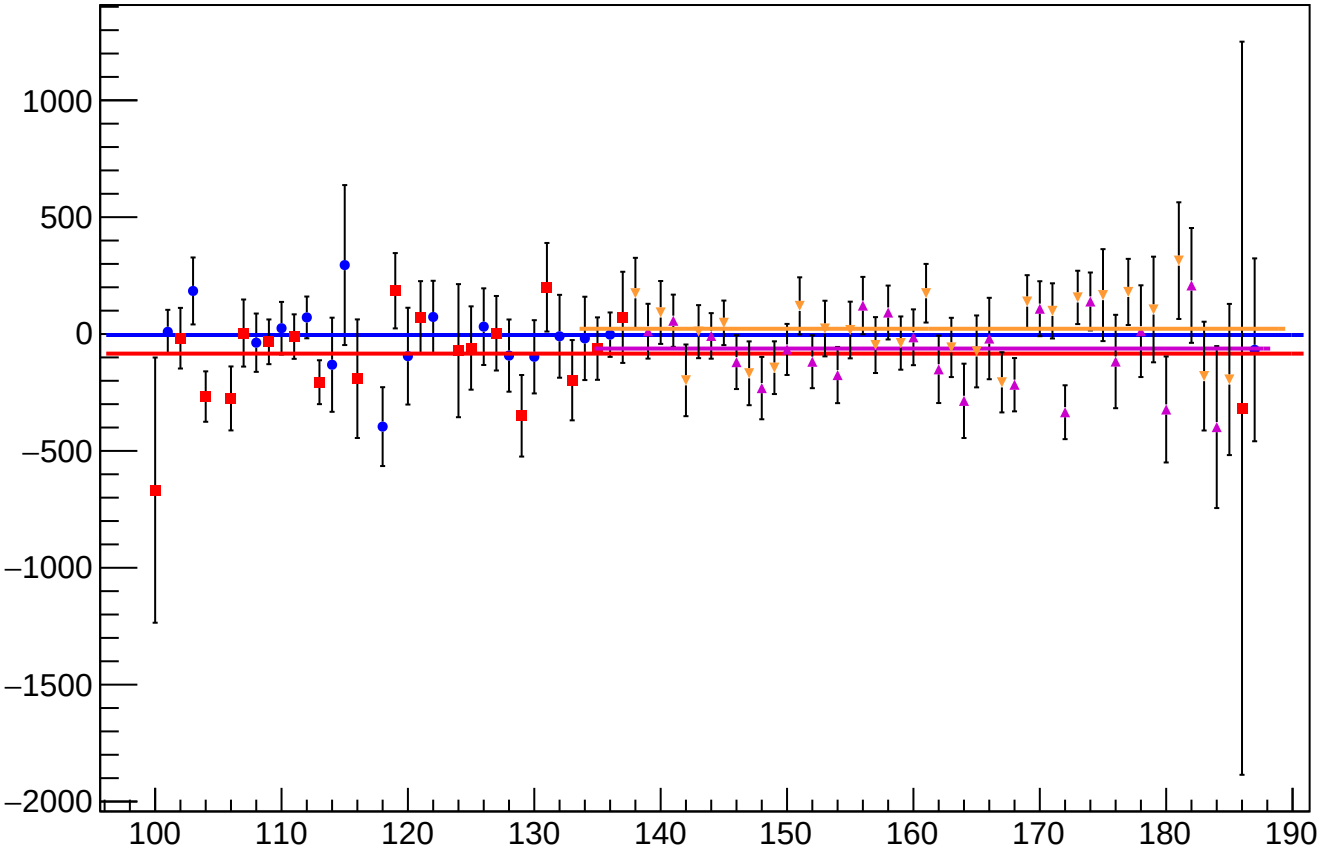
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 670.037+/-0.094 χ^2/NDF: 2826560.6/41

All: 663.815+/-0.067 χ^2/NDF: 6284686.1/84

- sign 657.598+/-0.094 χ^2/NDF: 3449440.1/42

dit_asym_sam_1548_avg_mean vs Slug



Right In: -4.118+/-34.023 χ^2/NDF: 10.4/16

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -83.778+/-32.625 χ^2/NDF: 19.1/19

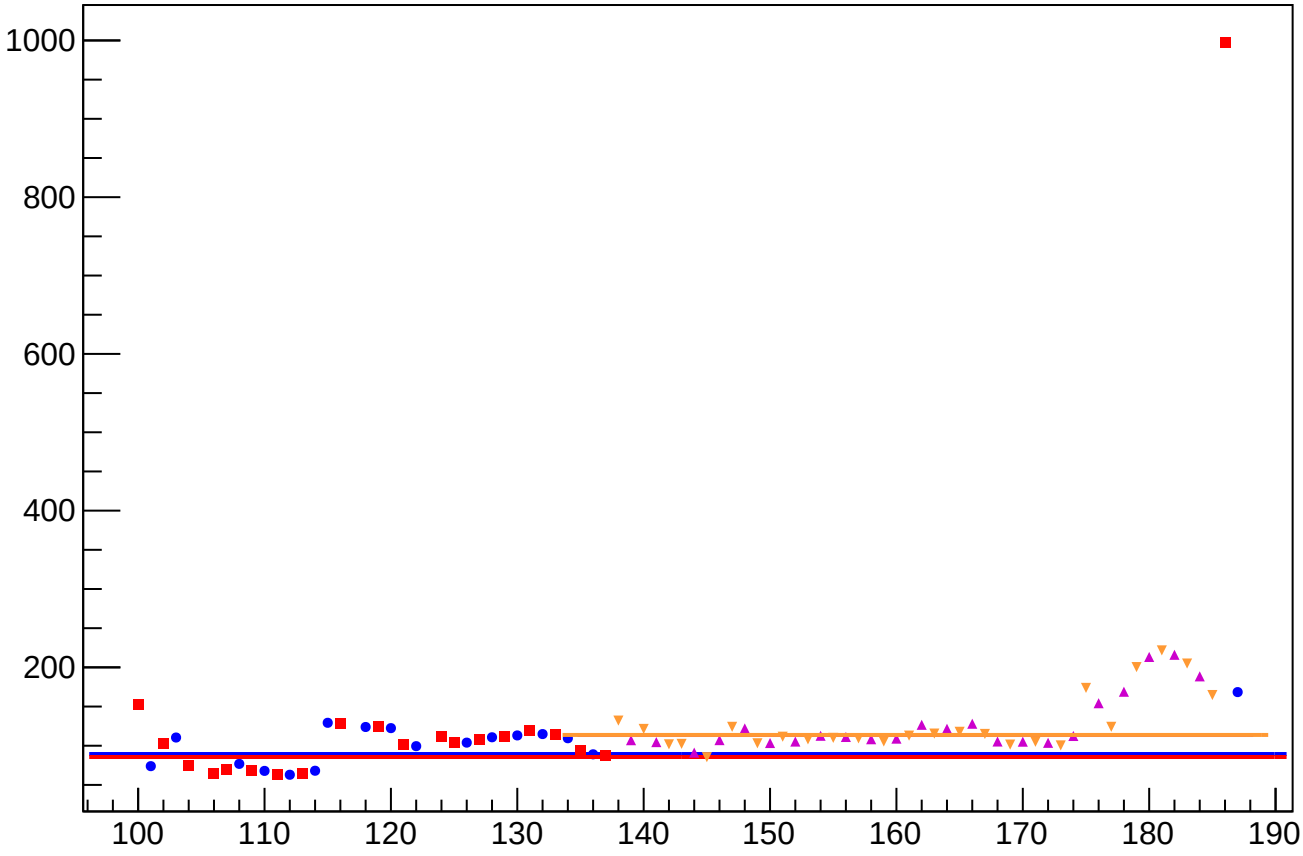
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 12.408+/-20.977 χ^2/NDF: 32.3/41

All: -29.382+/-14.825 χ^2/NDF: 86.9/84

- sign -71.083+/-20.955 χ^2/NDF: 46.7/42

dit_asym_sam_1548_avg_rms vs Slug



Right In: 89.416+/-0.024 χ^2/NDF: 806827.7/16

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 85.619+/-0.023 χ^2/NDF: 1560343.9/19

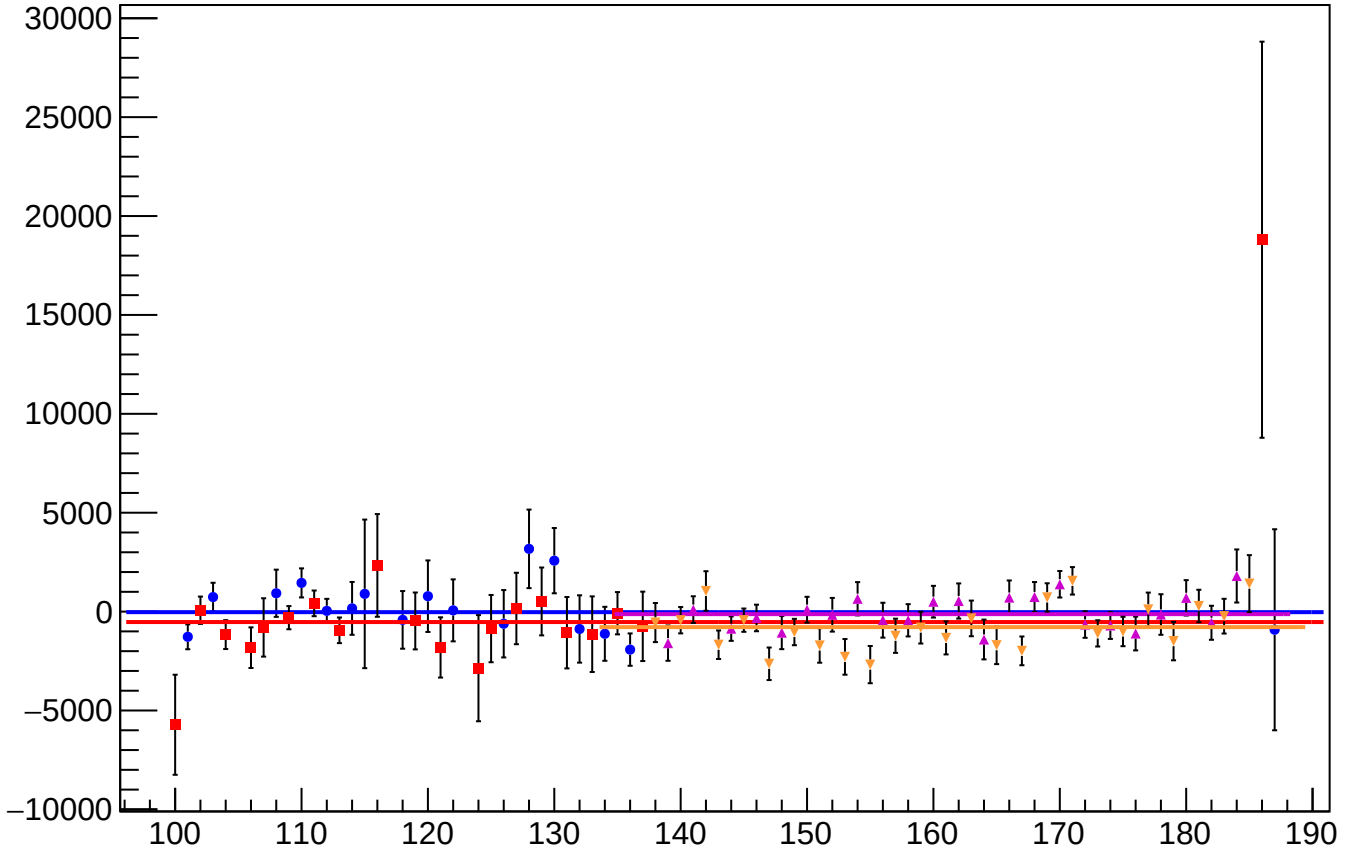
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 104.510+/-0.015 χ^2/NDF: 3021792.1/41

All: 103.305+/-0.010 χ^2/NDF: 6780327.9/84

- sign 102.103+/-0.015 χ^2/NDF: 3745354.1/42

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -28.089+/-259.064 χ^2/NDF: 21.6/16

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -528.416+/-241.168 χ^2/NDF: 17.4/19

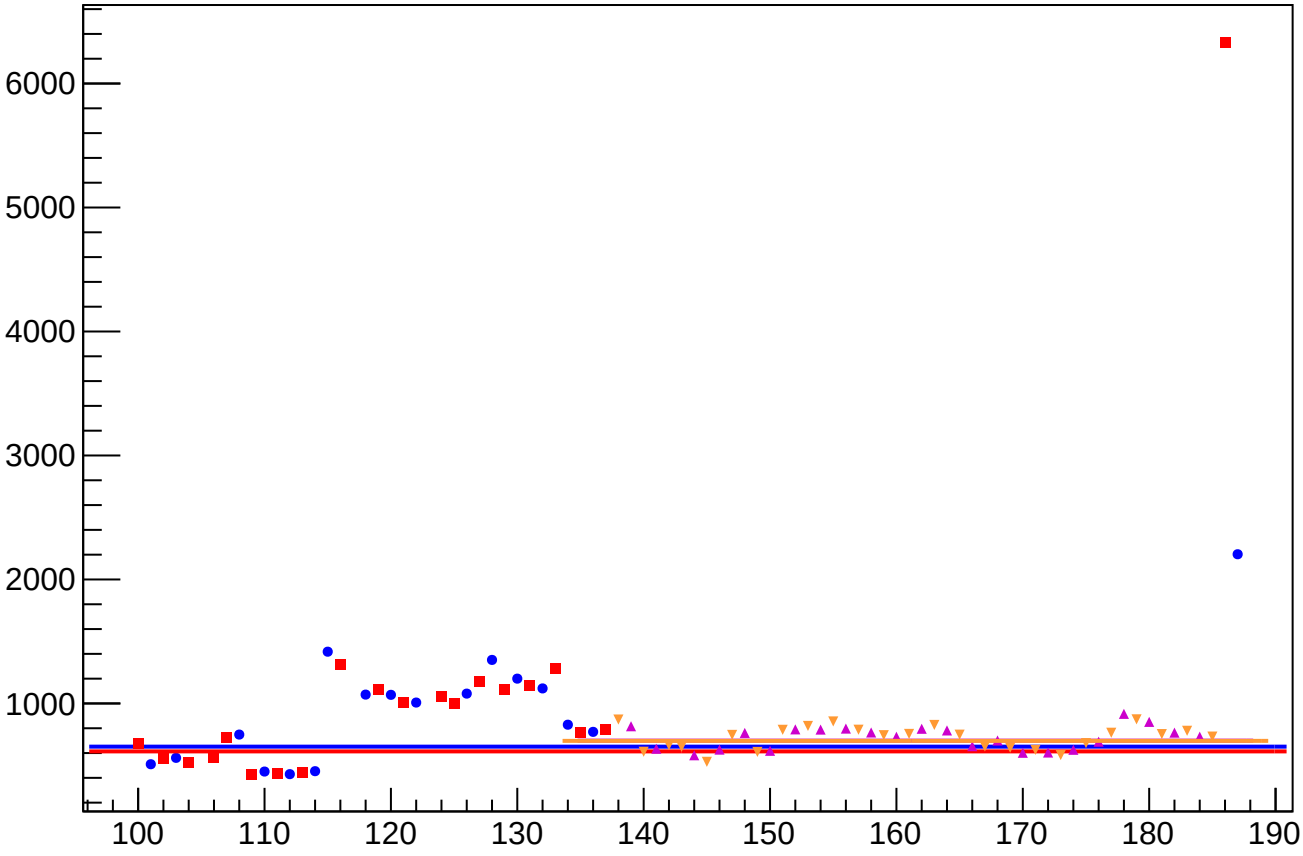
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -574.577+/-136.426 χ^2/NDF: 73.2/41

All: -415.188+/-96.431 χ^2/NDF: 117.9/84

- sign -256.044+/-136.322 χ^2/NDF: 42.0/42

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 651.683+/-0.183 χ^2/NDF: 2074752.1/16

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 613.379+/-0.171 χ^2/NDF: 2726556.5/19

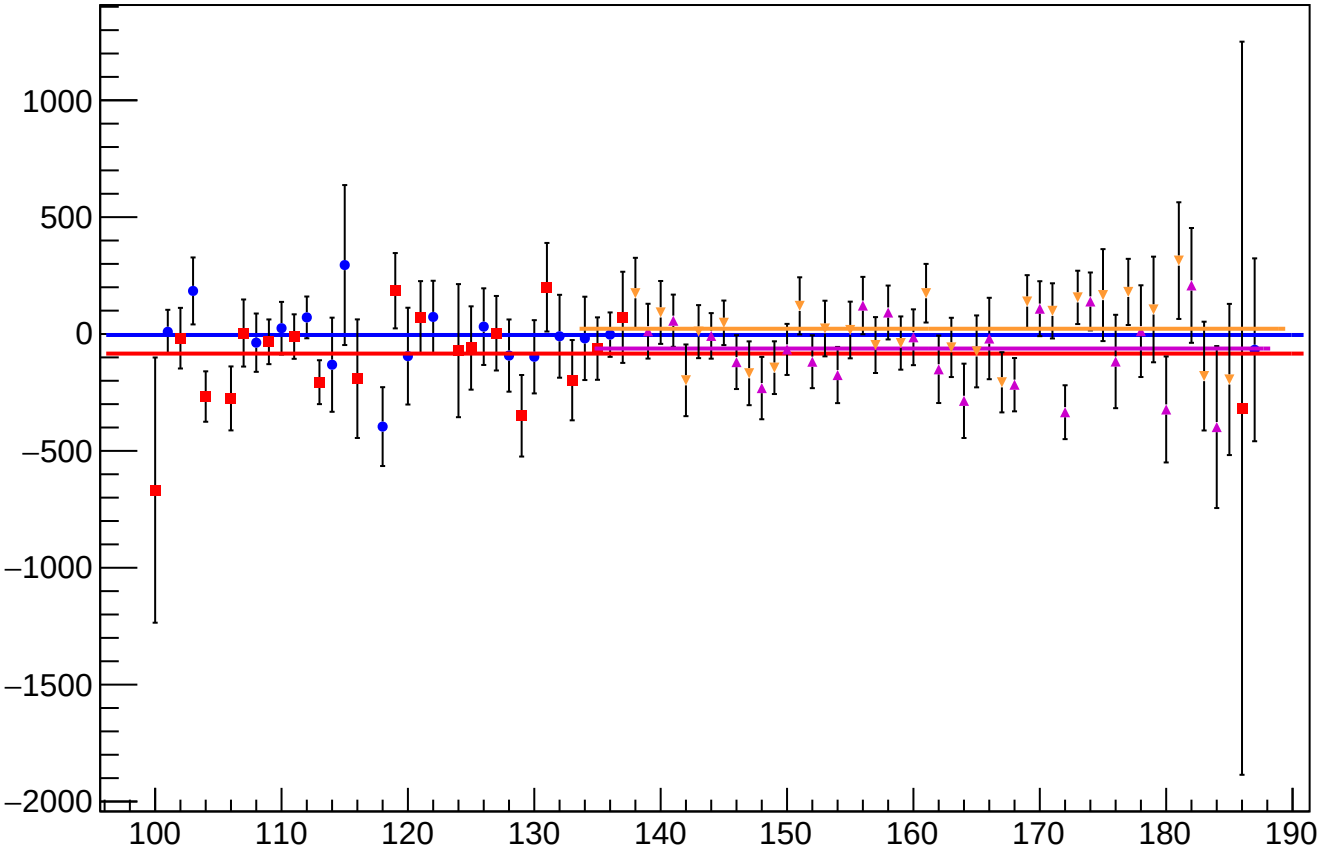
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 685.327+/-0.096 χ^2/NDF: 2836113.0/41

All: 678.847+/-0.068 χ^2/NDF: 6331899.3/84

- sign 672.377+/-0.096 χ^2/NDF: 3486769.9/42

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -4.117+/-34.023 χ^2/NDF: 10.4/16

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -83.777+/-32.625 χ^2/NDF: 19.1/19

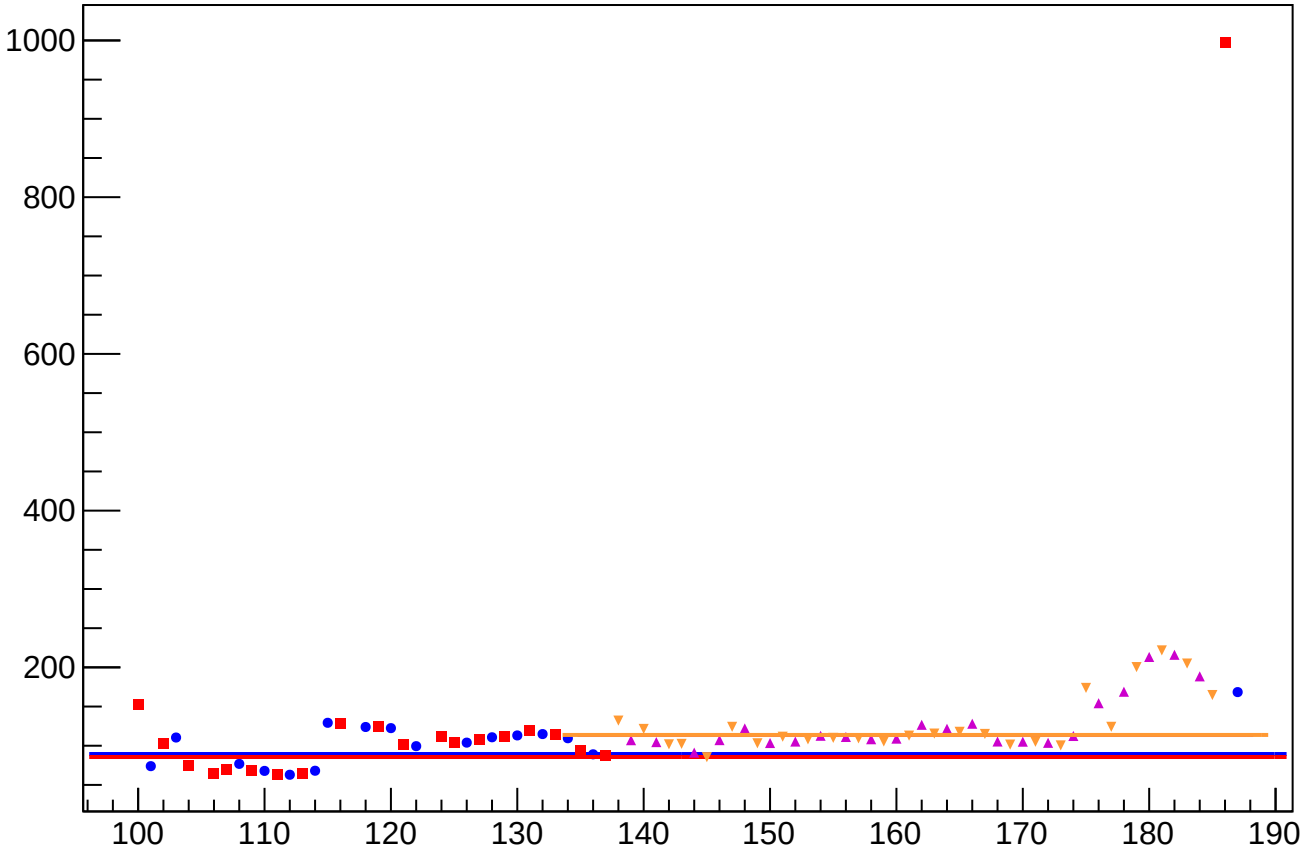
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 12.409+/-20.977 χ^2/NDF: 32.3/41

All: -29.381+/-14.825 χ^2/NDF: 86.9/84

- sign -71.083+/-20.955 χ^2/NDF: 46.7/42

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 89.416+/-0.024 χ^2/NDF: 806827.9/16

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

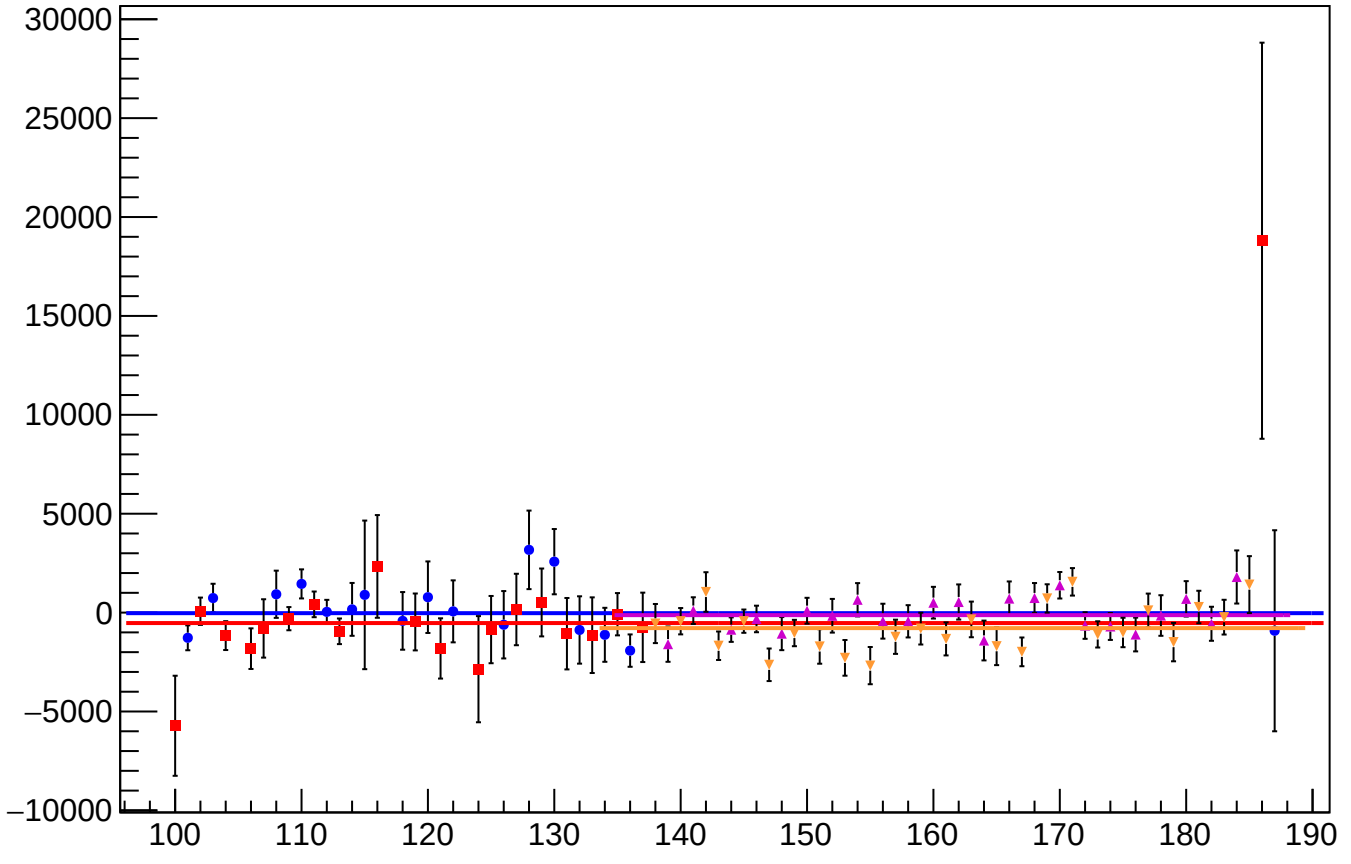
Right Out: 85.619+/-0.023 χ^2/NDF: 1560345.4/19

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 104.510+/-0.015 χ^2/NDF: 3021789.8/41

All: 103.305+/-0.010 χ^2/NDF: 6780317.4/84

- sign 102.103+/-0.015 χ^2/NDF: 3745345.9/42



Right In: -28.089+/-259.064 χ^2/NDF: 21.6/16

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

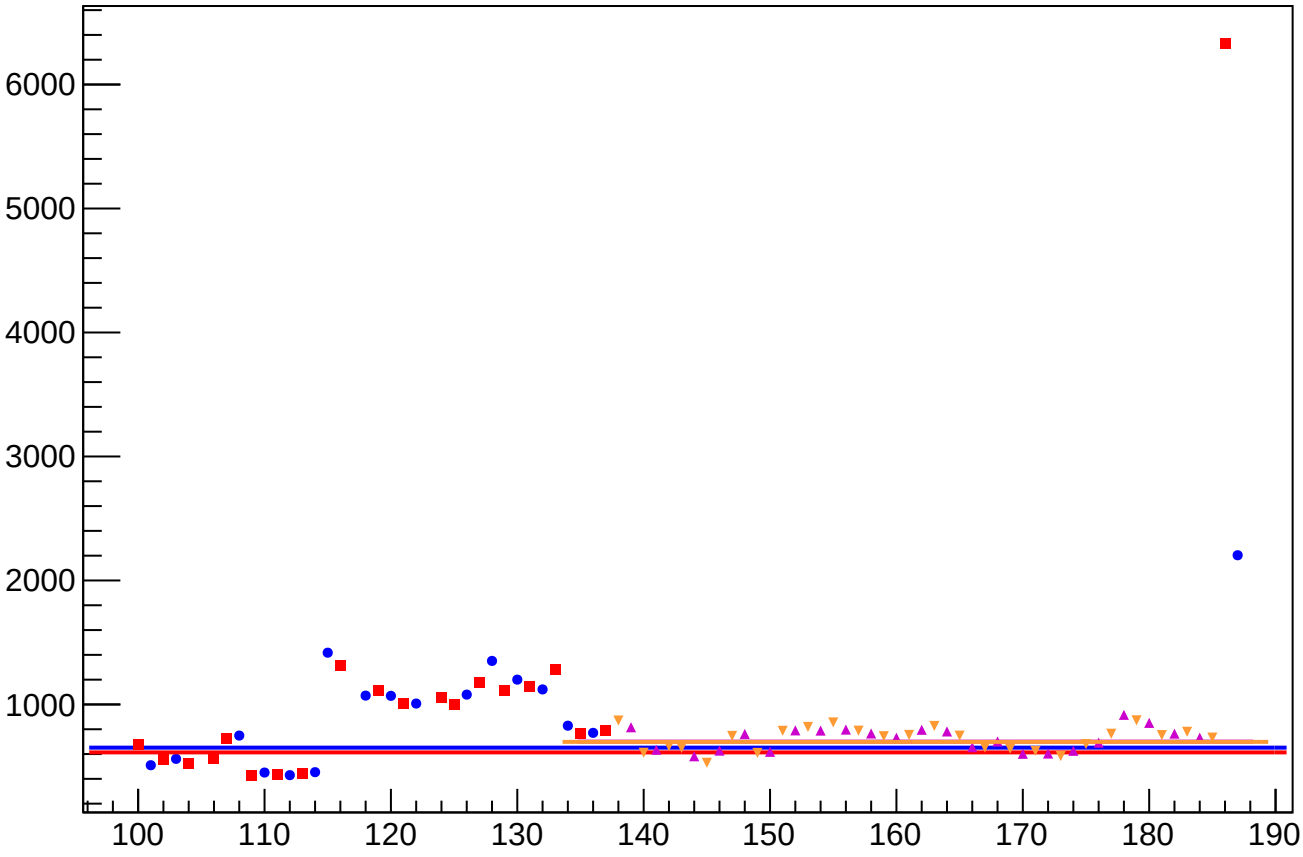
Right Out: -528.415+/-241.168 χ^2/NDF: 17.4/19

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -574.576+/-136.426 χ^2/NDF: 73.2/41

All: -415.187+/-96.431 χ^2/NDF: 117.9/84

- sign -256.043+/-136.322 χ^2/NDF: 42.0/42



Right In: 651.682+/-0.183 χ^2/NDF: 2074756.7/16

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 613.378+/-0.171 χ^2/NDF: 2726558.9/19

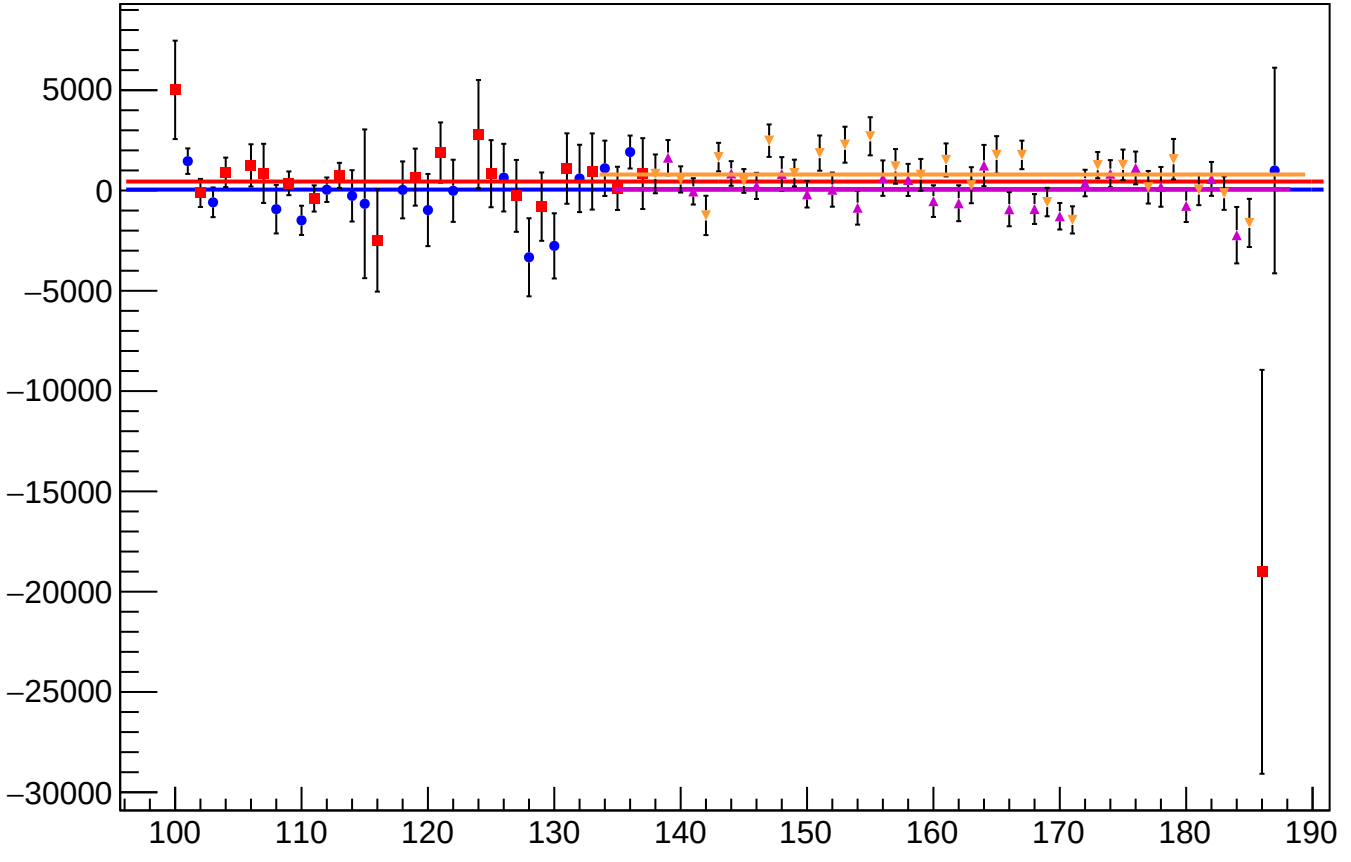
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 685.326+/-0.096 χ^2/NDF: 2836116.1/41

All: 678.846+/-0.068 χ^2/NDF: 6331900.7/84

- sign 672.377+/-0.096 χ^2/NDF: 3486768.2/42

asym_sam_1548_avg_mean vs Slug



Right In: 45.592+/-259.463 χ^2/NDF: 23.3/16

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 446.952+/-241.048 χ^2/NDF: 15.0/19

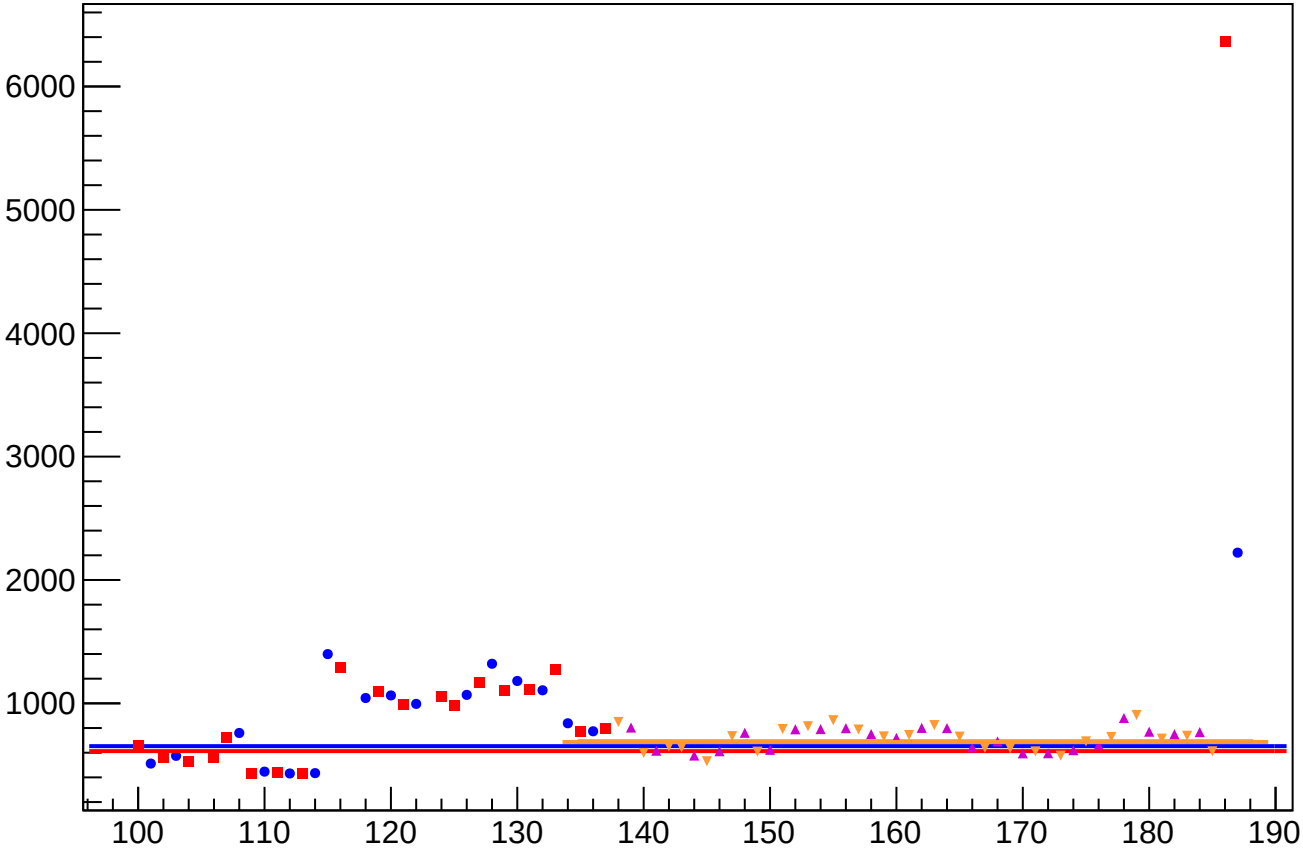
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 593.402+/-135.036 χ^2/NDF: 75.7/41

All: 391.865+/-95.457 χ^2/NDF: 121.7/84

- sign 190.564+/-134.958 χ^2/NDF: 41.5/42

asym_sam_1548_avg_rms vs Slug



Right In: 653.119+/-0.183 χ^2/NDF: 2033502.9/16

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

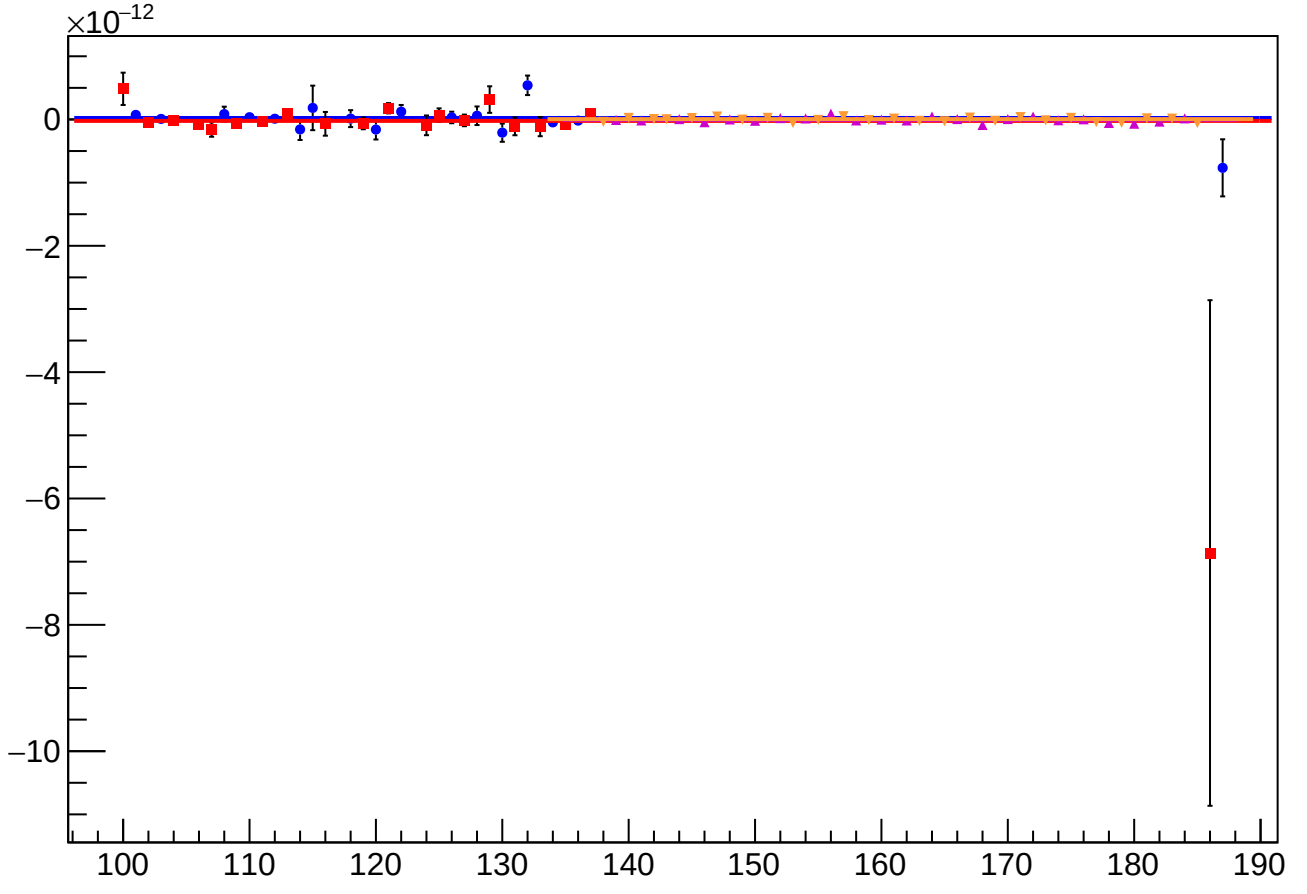
Right Out: 612.815+/-0.170 χ^2/NDF: 2696580.7/19

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 678.000+/-0.095 χ^2/NDF: 2786720.0/41

All: 671.898+/-0.067 χ^2/NDF: 6199325.1/84

- sign 665.803+/-0.095 χ^2/NDF: 3404442.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

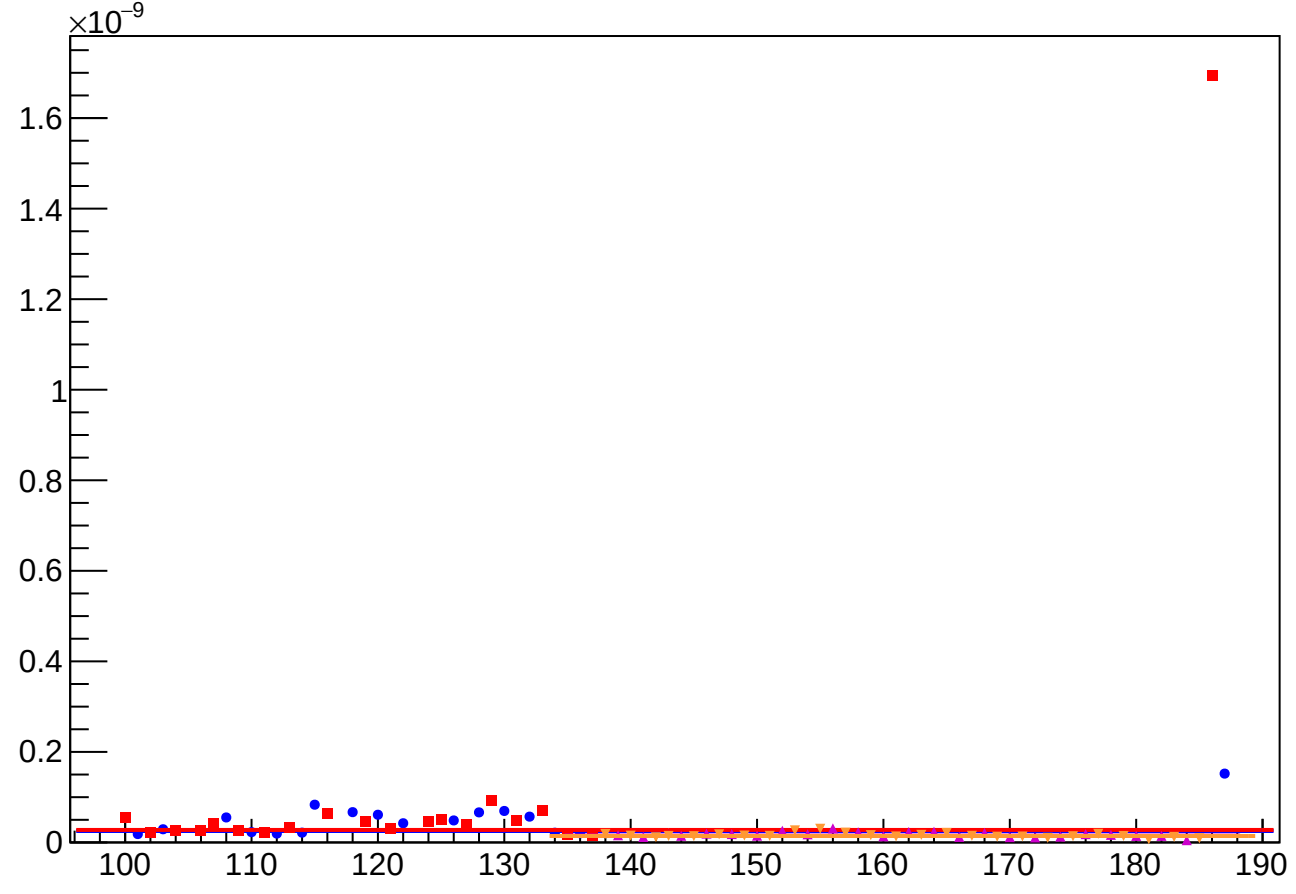
Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/19

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/41

All: 0.000+/-0.000 χ^2/NDF: 109.6/84

- sign -0.000+/-0.000 χ^2/NDF: 56.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 1469593.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

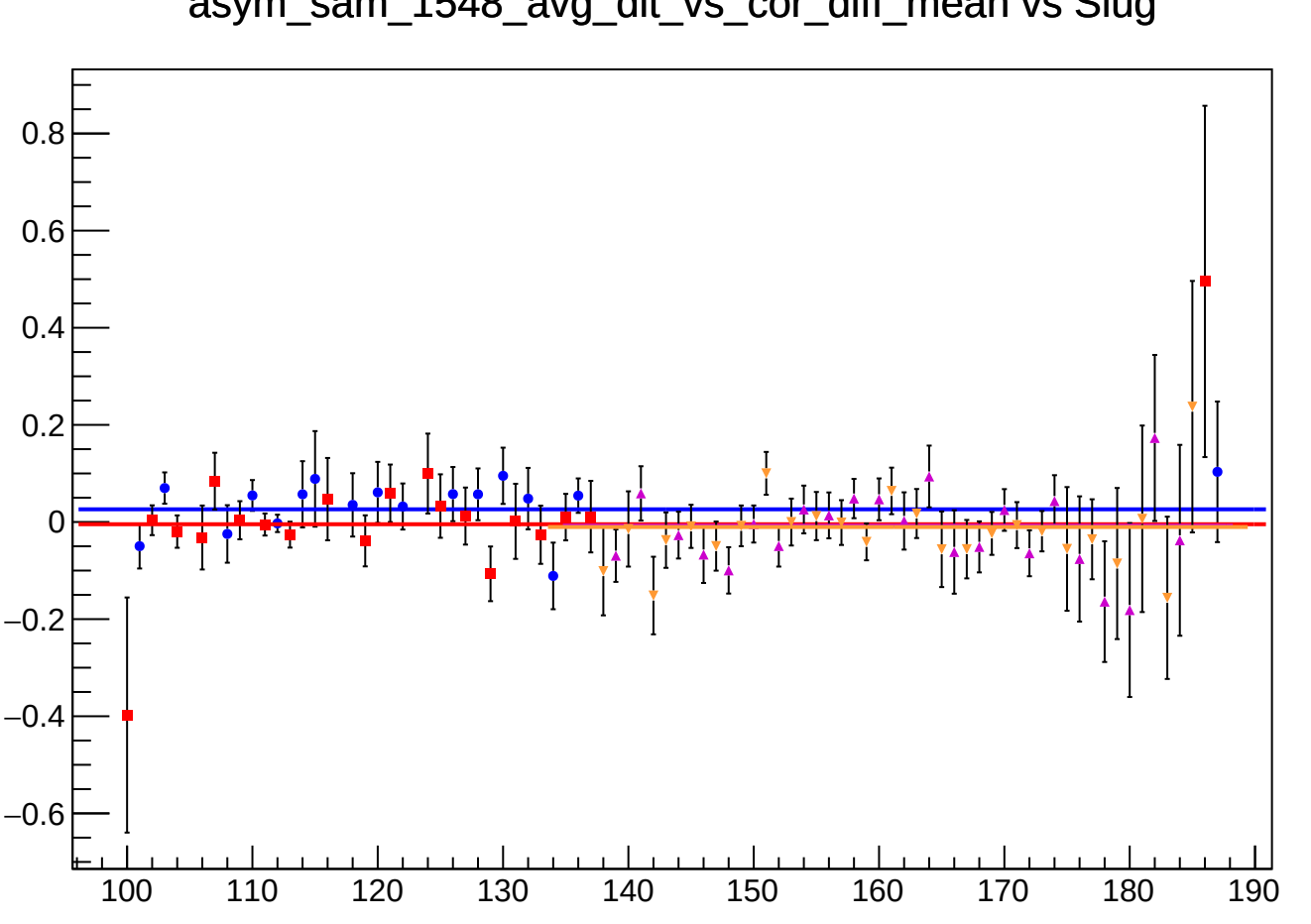
Right Out: 0.000+/-0.000 χ^2/NDF: 1335275.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 3394876.2/41

All: 0.000+/-0.000 χ^2/NDF: 6894895.4/84

- sign 0.000+/-0.000 χ^2/NDF: 3461578.6/42



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

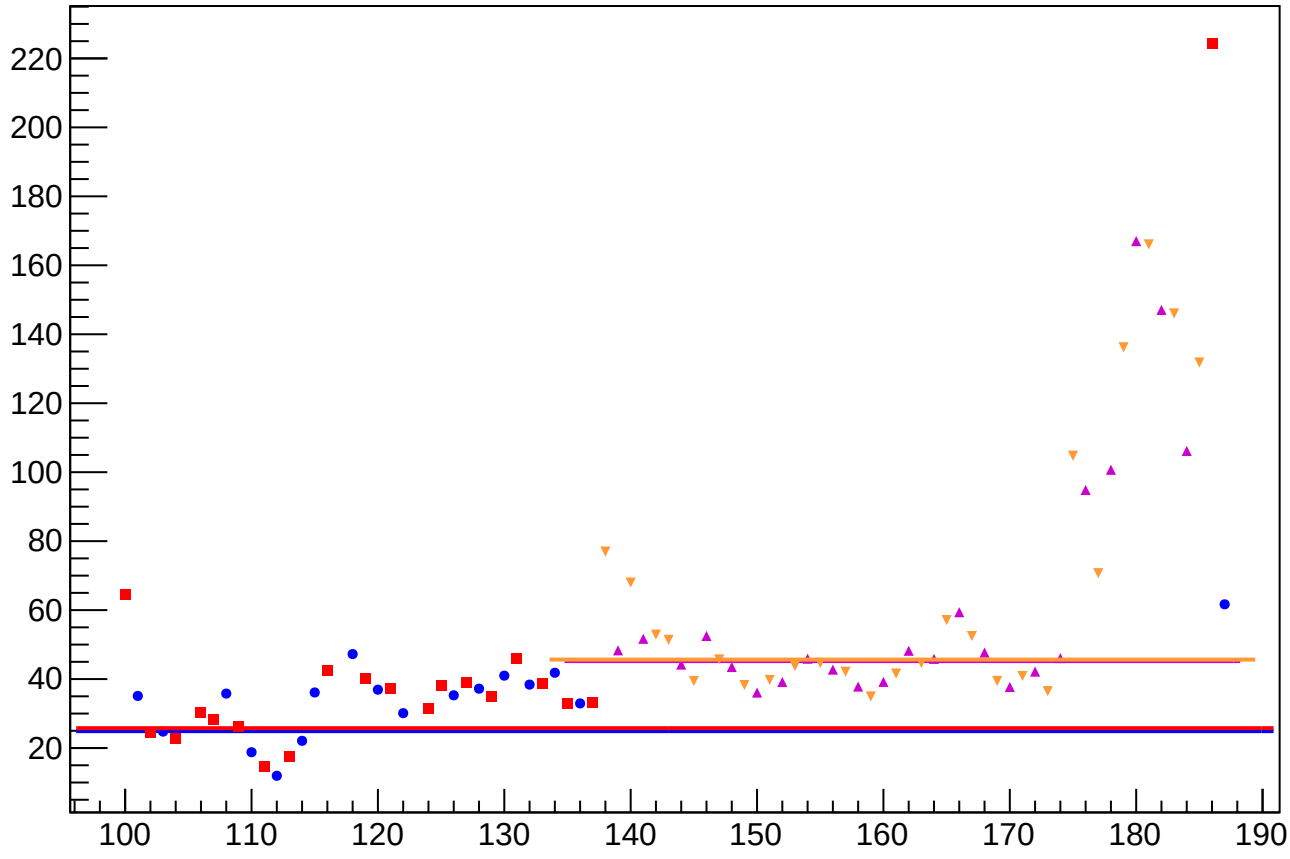
Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/19

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.010+/-0.008 χ^2/NDF: 40.5/41

All: 0.002+/-0.005 χ^2/NDF: 81.4/84

- sign -0.006+/-0.008 χ^2/NDF: 38.9/42



Right In: 24.901+/-0.007 χ^2/NDF: 2424989.0/16

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

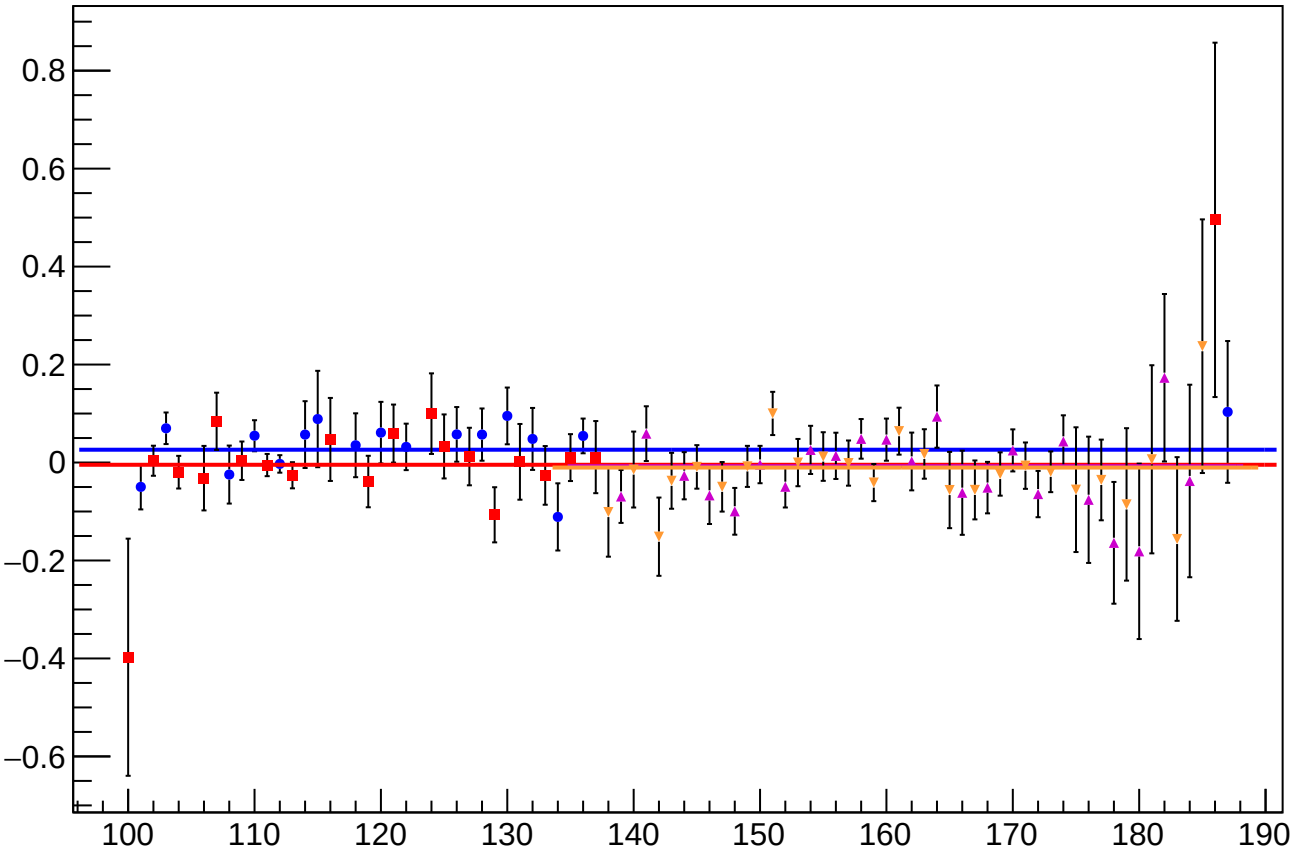
Right Out: 25.760+/-0.007 χ^2/NDF: 2208263.9/19

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.370+/-0.005 χ^2/NDF: 10122563.4/41

All: 34.451+/-0.004 χ^2/NDF: 18514403.1/84

- sign 34.532+/-0.005 χ^2/NDF: 8391389.0/42



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/19

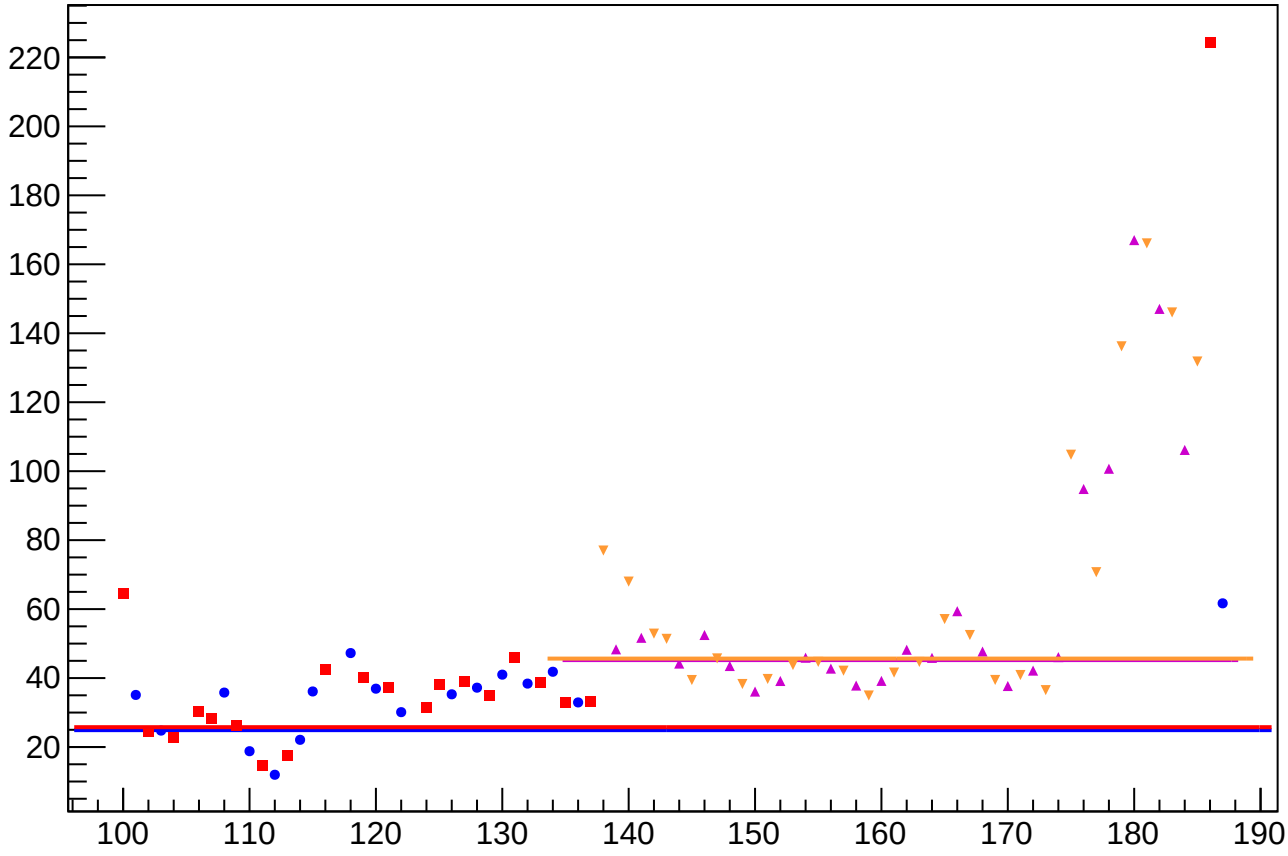
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.010+/-0.008 χ^2/NDF: 40.5/41

All: 0.002+/-0.005 χ^2/NDF: 81.4/84

- sign -0.006+/-0.008 χ^2/NDF: 38.9/42

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.901+/-0.007 χ^2/NDF: 2424989.0/16

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

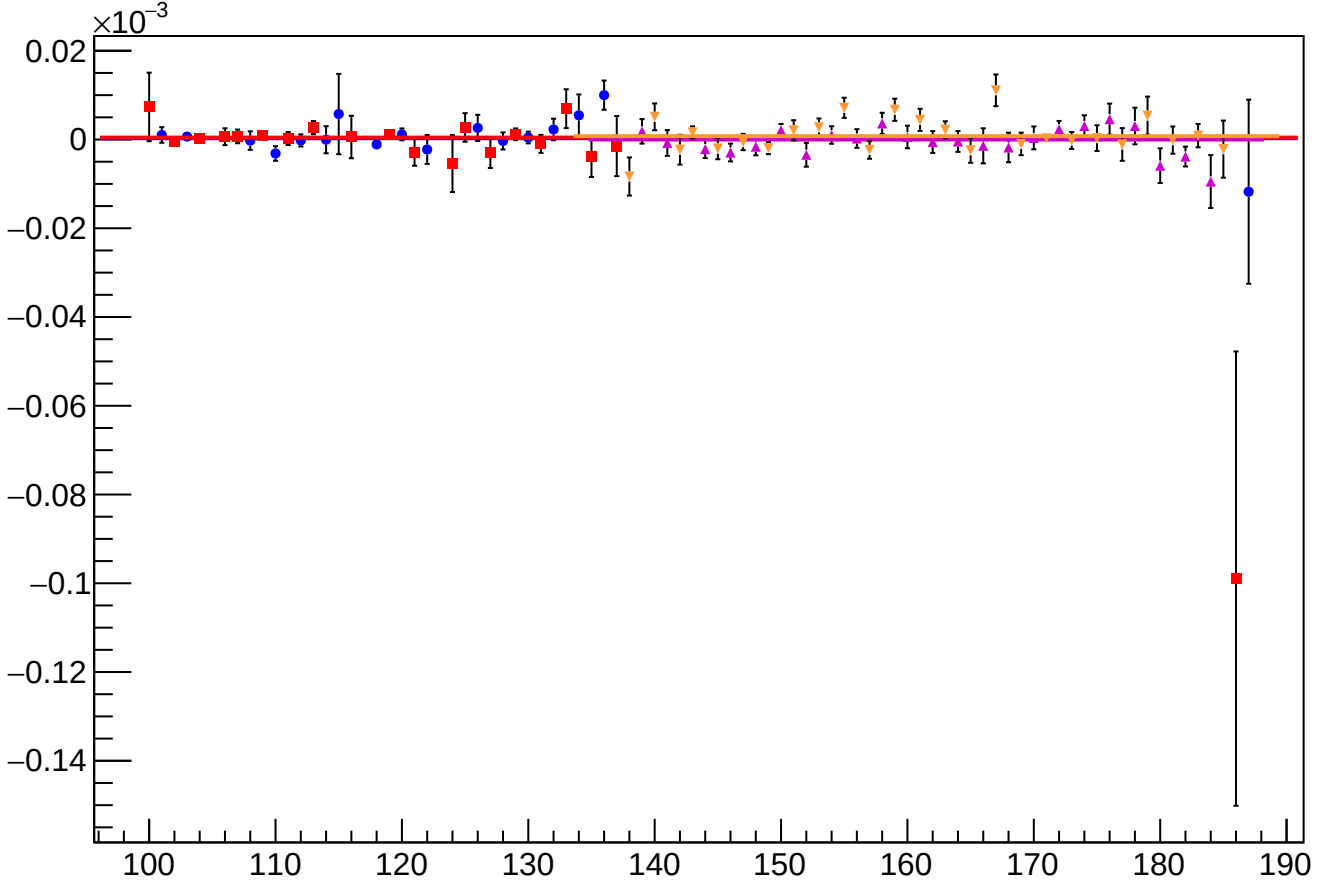
Right Out: 25.760+/-0.007 χ^2/NDF: 2208263.9/19

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 34.370+/-0.005 χ^2/NDF: 10122563.4/41

All: 34.451+/-0.004 χ^2/NDF: 18514403.1/84

- sign 34.532+/-0.005 χ^2/NDF: 8391389.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

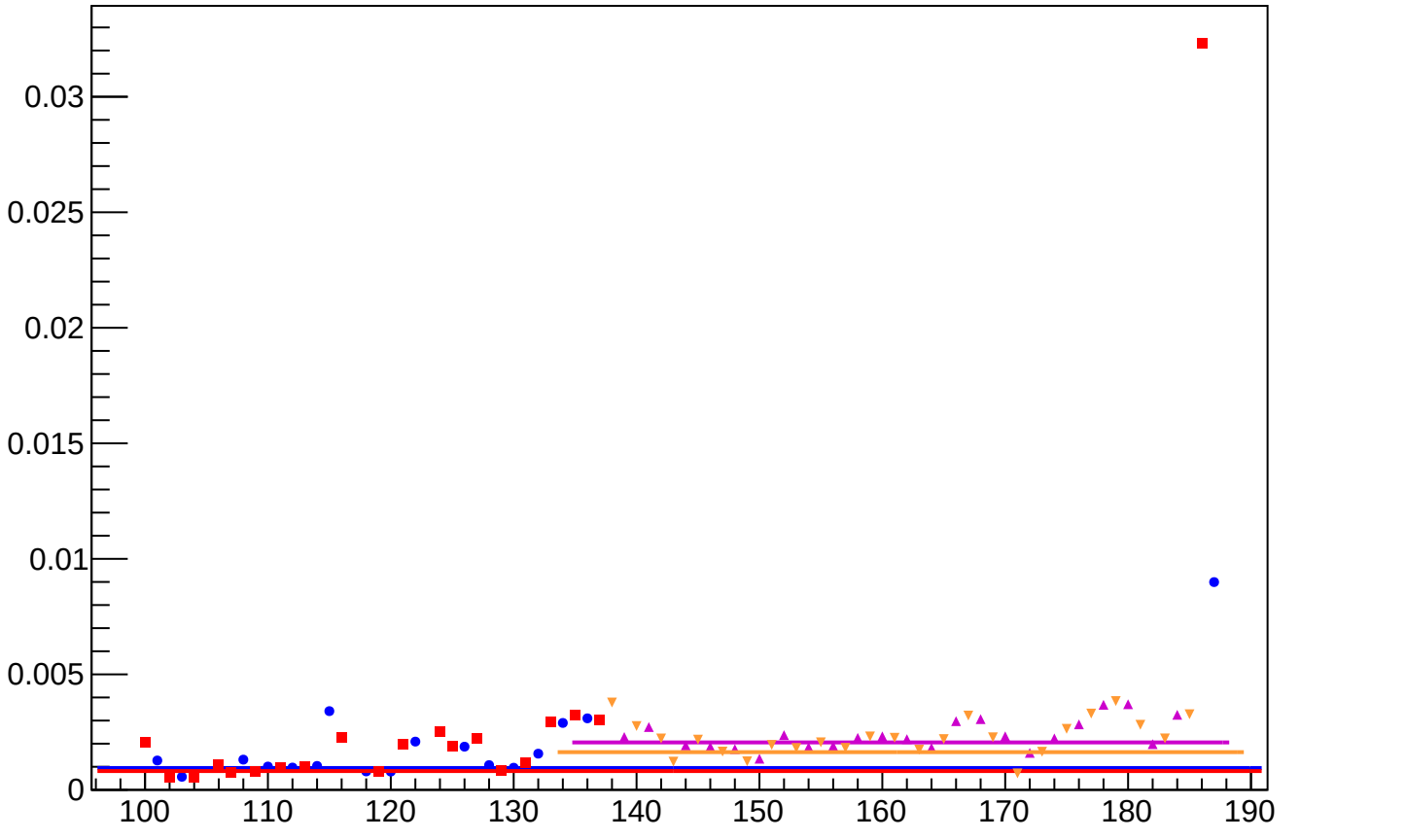
Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/19

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.5/41

All: 0.000+/-0.000 χ^2/NDF: 108.2/84

- sign 0.000+/-0.000 χ^2/NDF: 41.4/42



Right In: 0.001+/-0.000 χ^2/NDF: 2966743.6/16

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

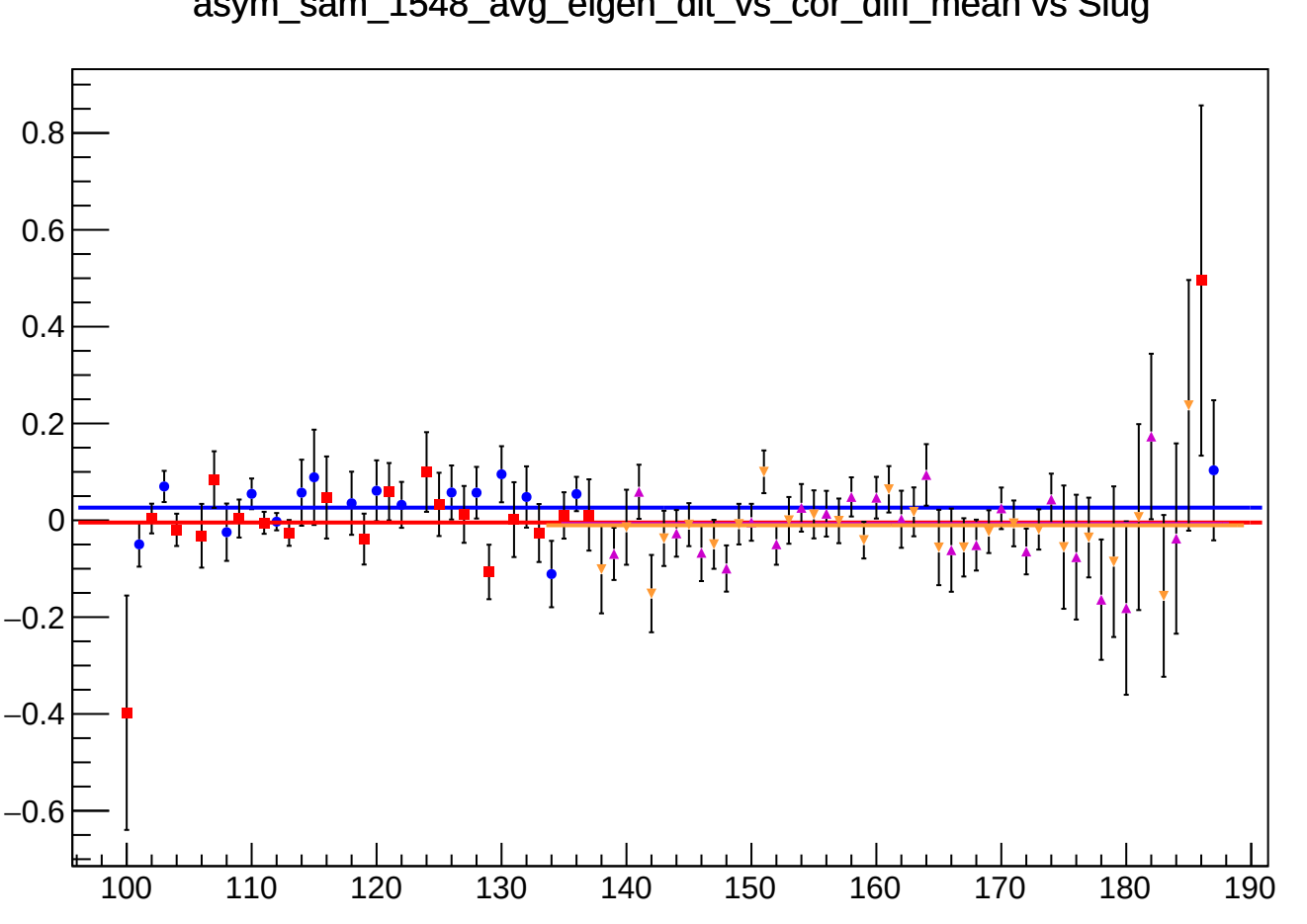
Right Out: 0.001+/-0.000 χ^2/NDF: 4001182.8/19

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12318594.9/41

All: 0.001+/-0.000 χ^2/NDF: 26848611.0/84

- sign 0.001+/-0.000 χ^2/NDF: 14461950.6/42



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

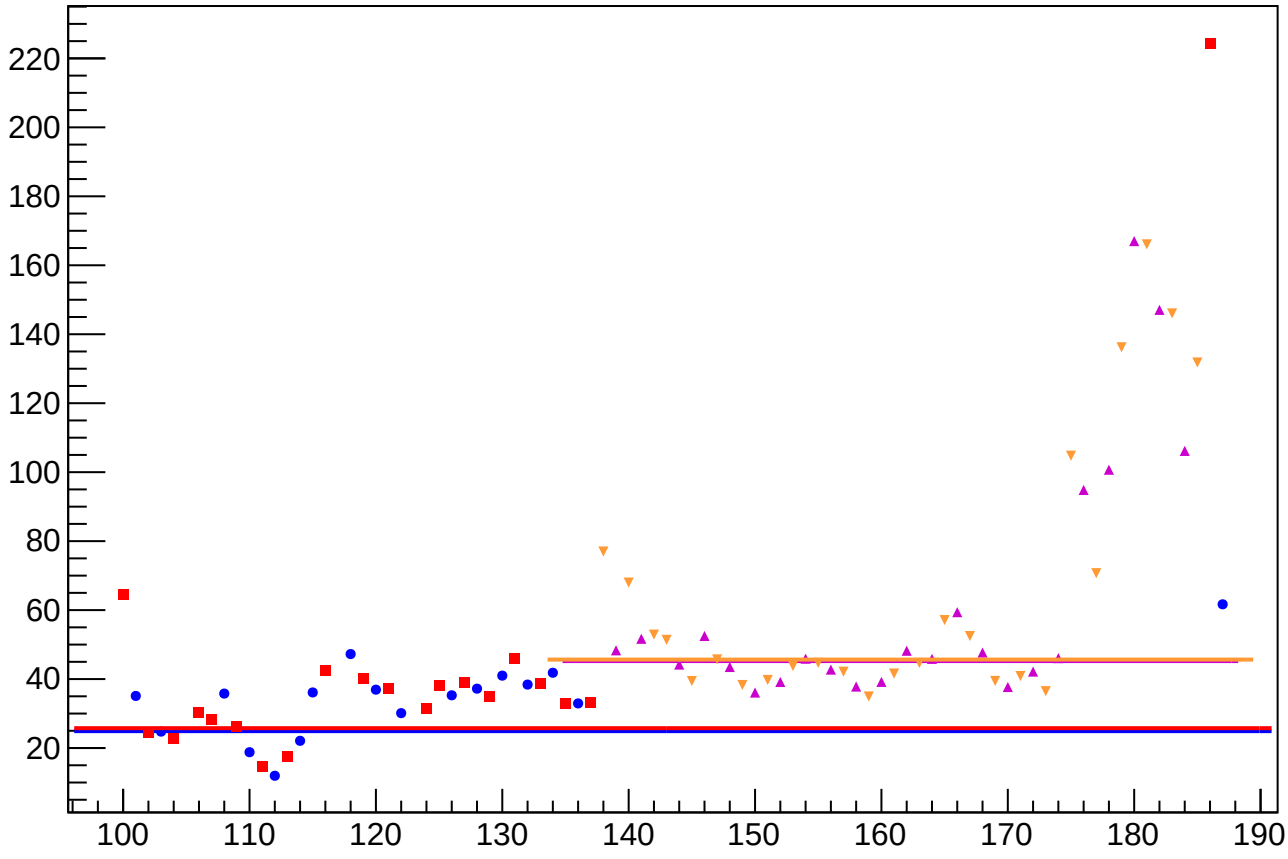
Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/19

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.010+/-0.008 χ^2/NDF: 40.5/41

All: 0.002+/-0.005 χ^2/NDF: 81.4/84

- sign -0.006+/-0.008 χ^2/NDF: 38.9/42



Right In: 24.900+/-0.007 χ^2/NDF: 2425171.2/16

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

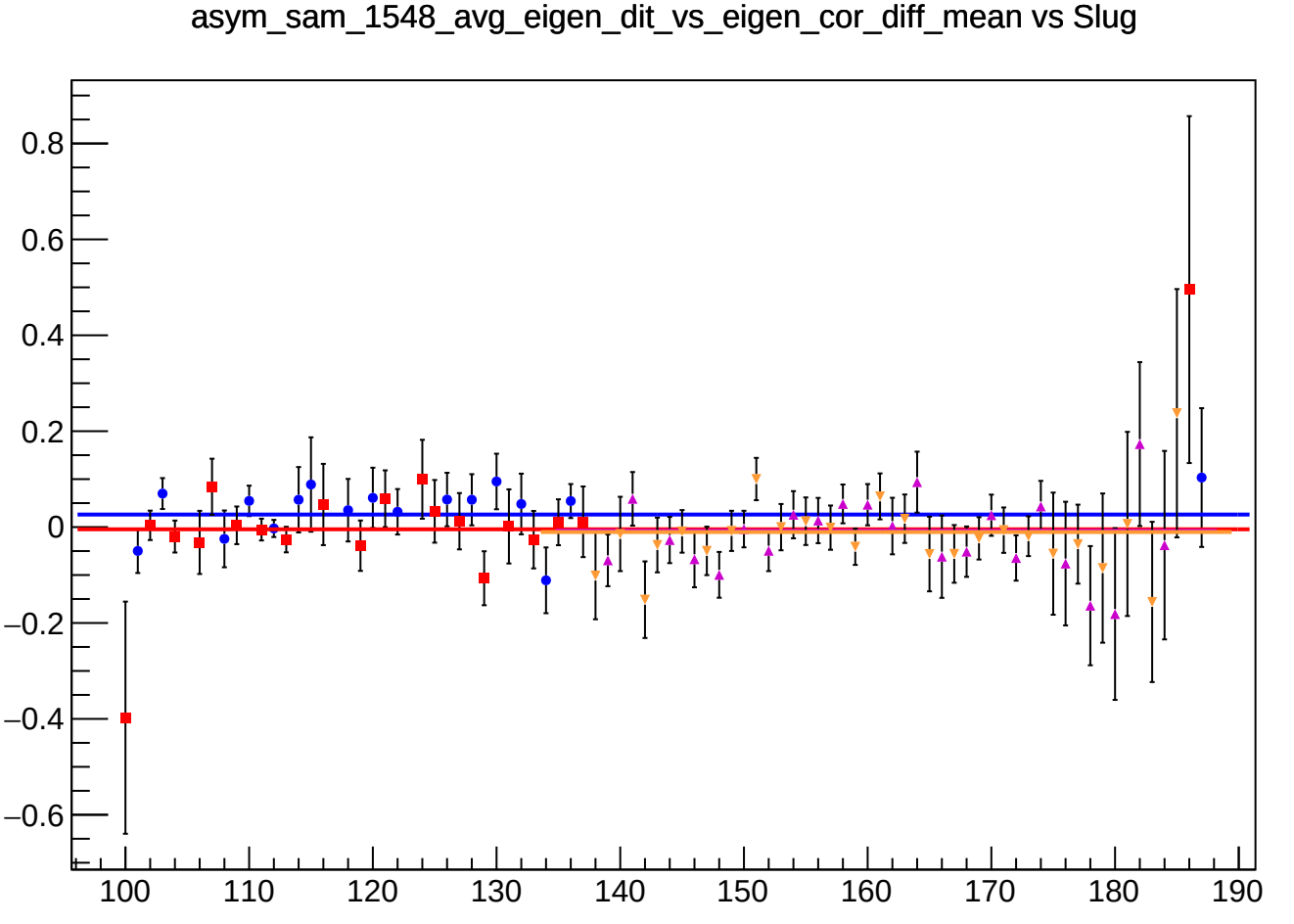
Right Out: 25.759+/-0.007 χ^2/NDF: 2208406.4/19

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.370+/-0.005 χ^2/NDF: 10123028.1/41

All: 34.450+/-0.004 χ^2/NDF: 18515203.1/84

- sign 34.532+/-0.005 χ^2/NDF: 8391723.5/42



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

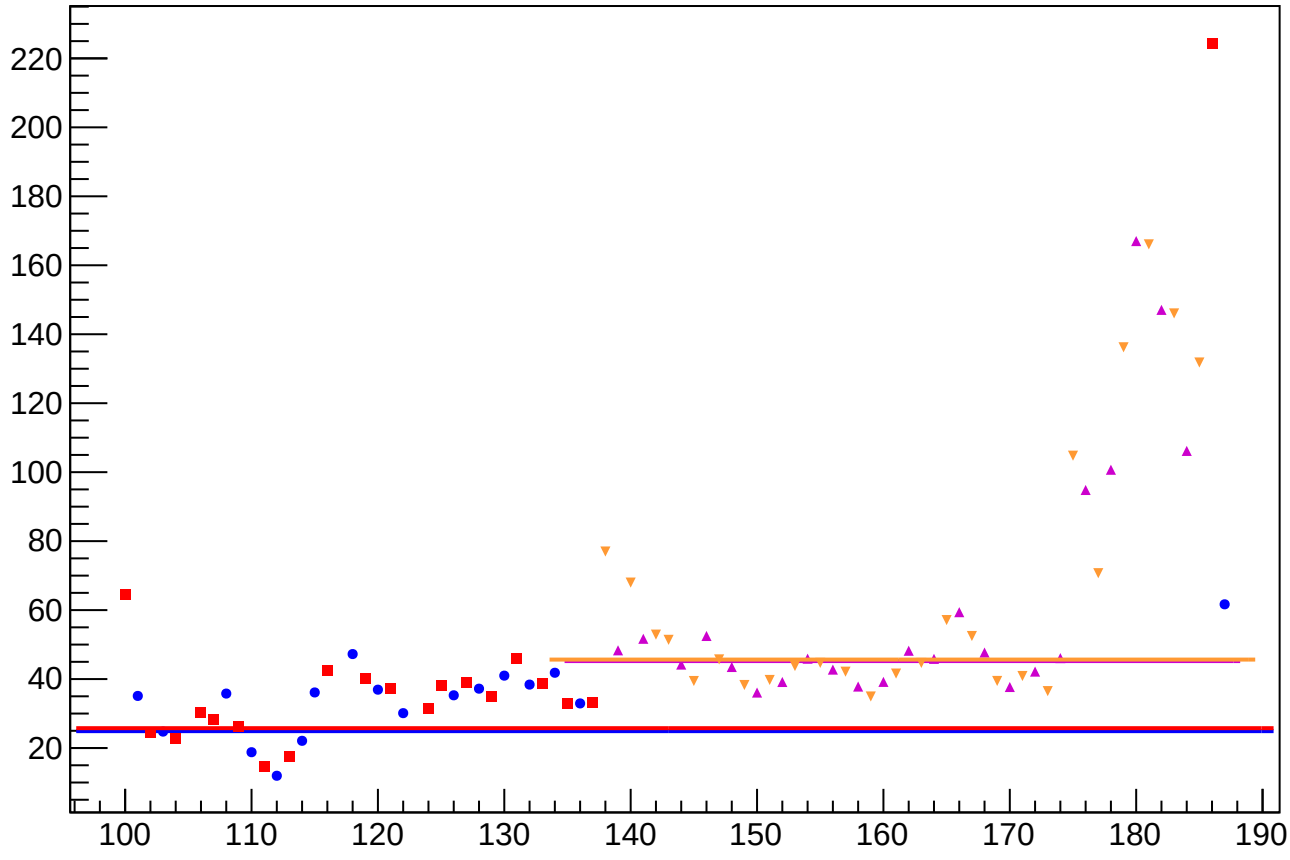
Right Out: -0.005+/-0.010 χ^2/NDF: 15.5/19

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.010+/-0.008 χ^2/NDF: 40.5/41

All: 0.002+/-0.005 χ^2/NDF: 81.4/84

- sign -0.006+/-0.008 χ^2/NDF: 38.9/42



Right In: 24.900+/-0.007 χ^2/NDF: 2425171.2/16

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

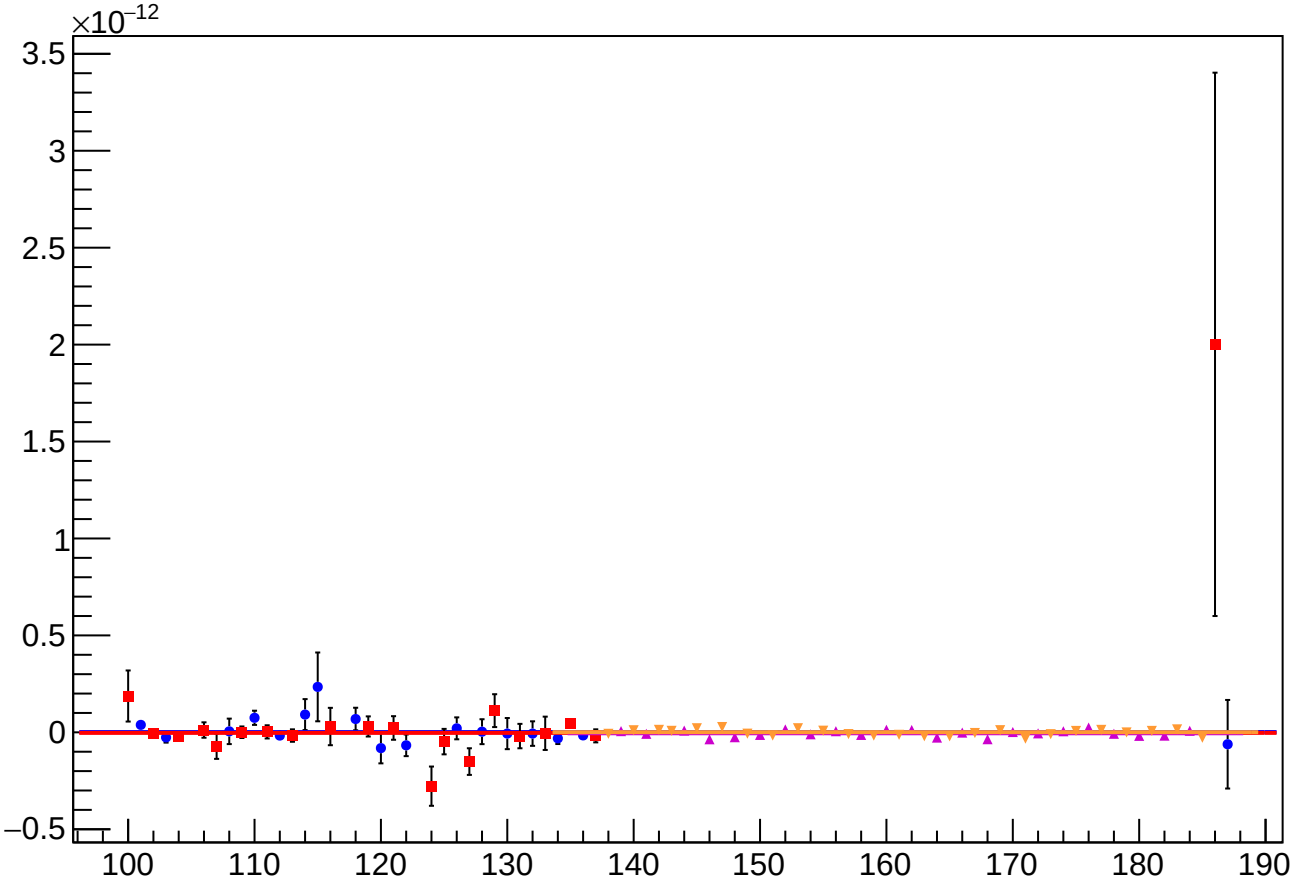
Right Out: 25.759+/-0.007 χ^2/NDF: 2208406.4/19

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 34.370+/-0.005 χ^2/NDF: 10123028.1/41

All: 34.450+/-0.004 χ^2/NDF: 18515203.1/84

- sign 34.532+/-0.005 χ^2/NDF: 8391723.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

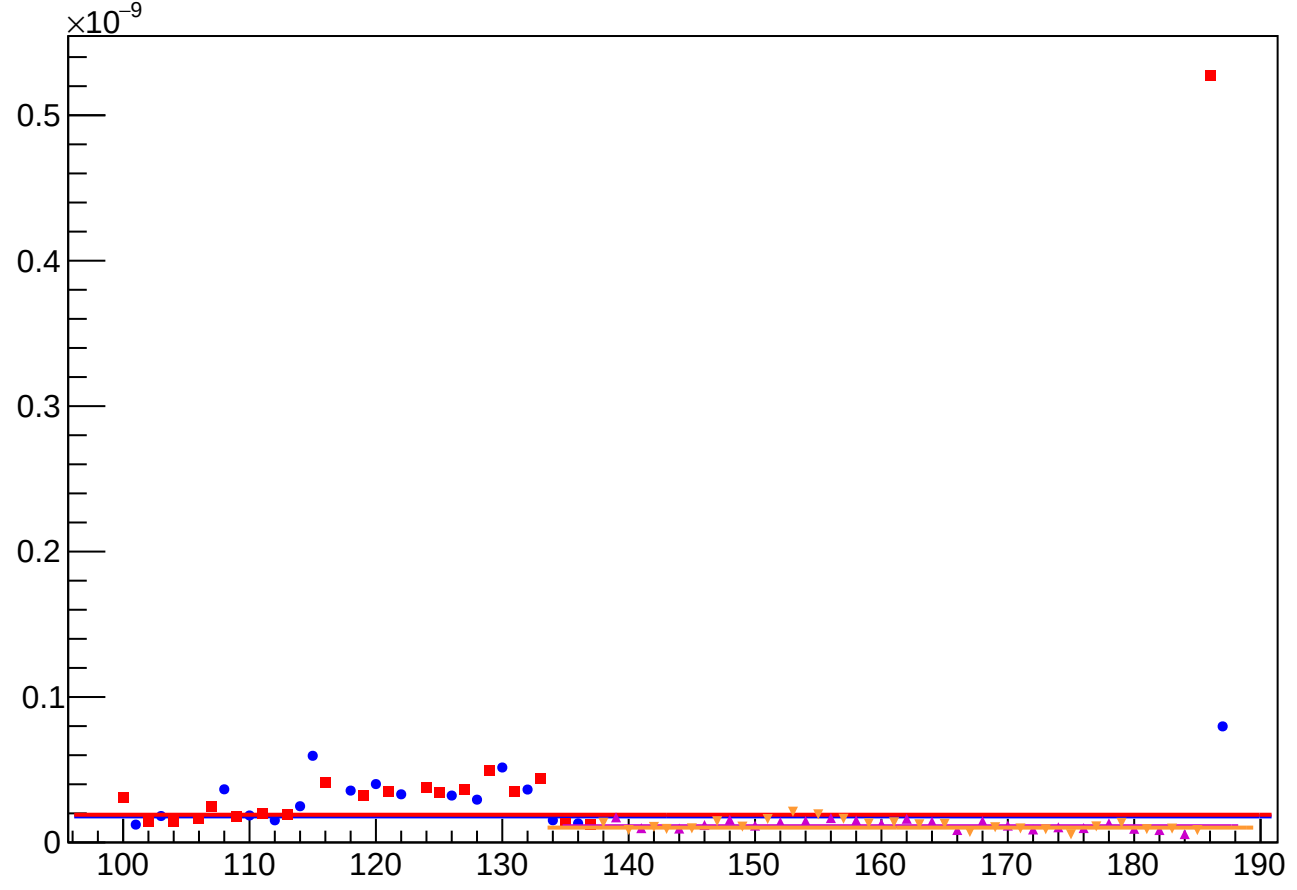
Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/19

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/41

All: -0.000+/-0.000 χ^2/NDF: 95.2/84

- sign -0.000+/-0.000 χ^2/NDF: 49.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2016953.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1883840.3/19

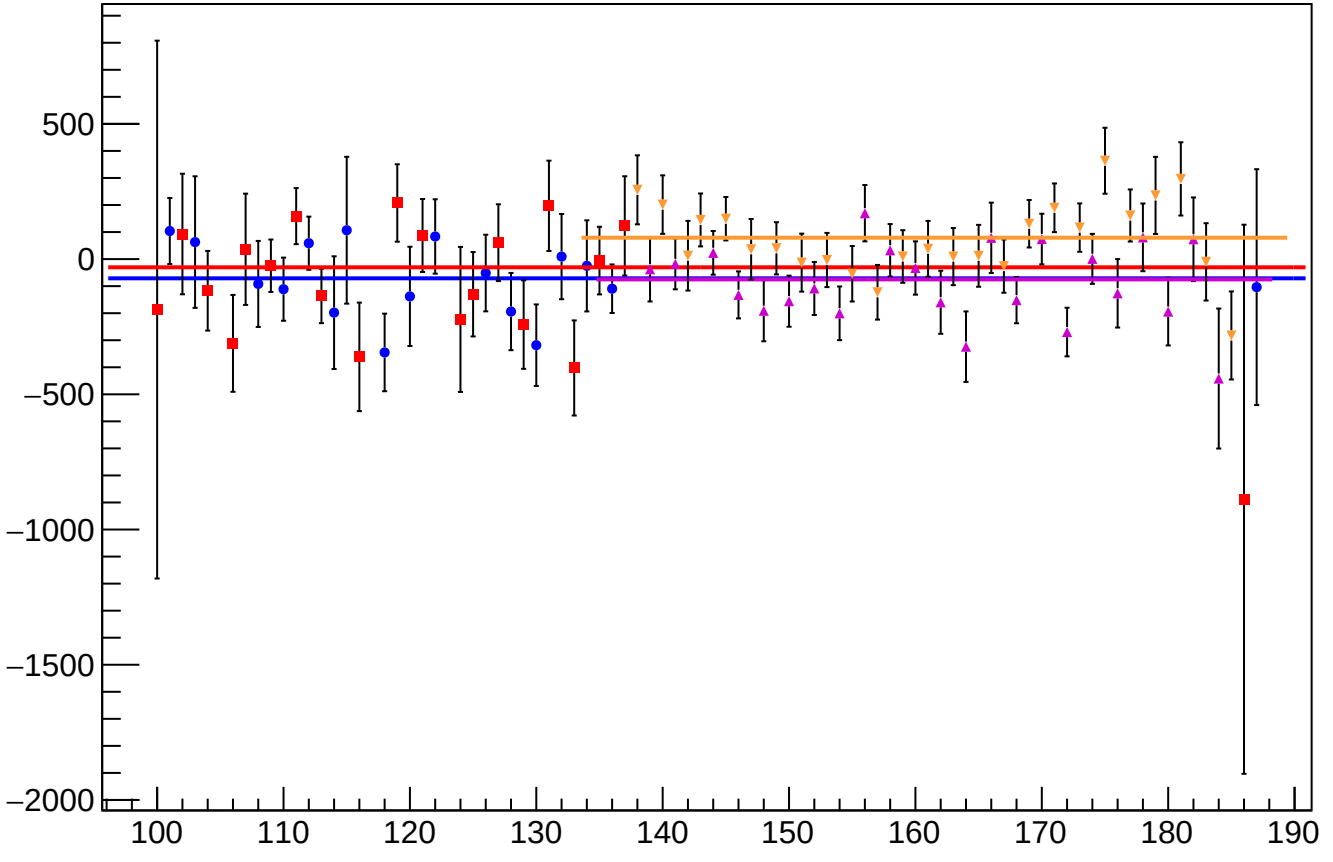
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 5692444.7/41

All: 0.000+/-0.000 χ^2/NDF: 10574587.8/84

- sign 0.000+/-0.000 χ^2/NDF: 4753986.0/42

reg_asym_sam_3748_avg_mean vs Slug



Right In: -71.103+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -30.386+/-34.224 χ^2/NDF: 24.7/19

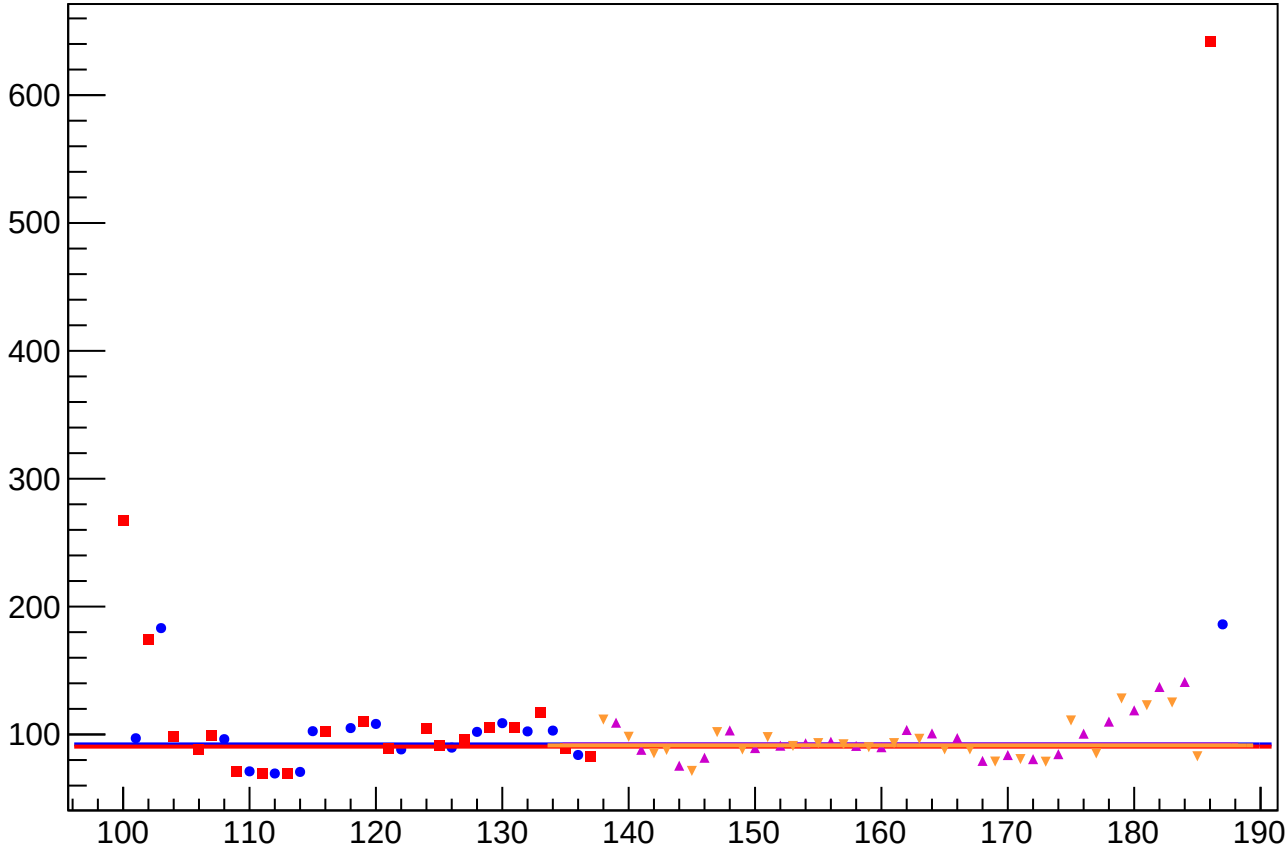
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 39.069+/-18.073 χ^2/NDF: 59.5/41

All: -10.597+/-12.897 χ^2/NDF: 133.5/84

- sign -62.126+/-18.409 χ^2/NDF: 58.6/42

reg_asym_sam_3748_avg_rms vs Slug



Right In: 92.217+/-0.025 χ^2/NDF: 673972.3/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

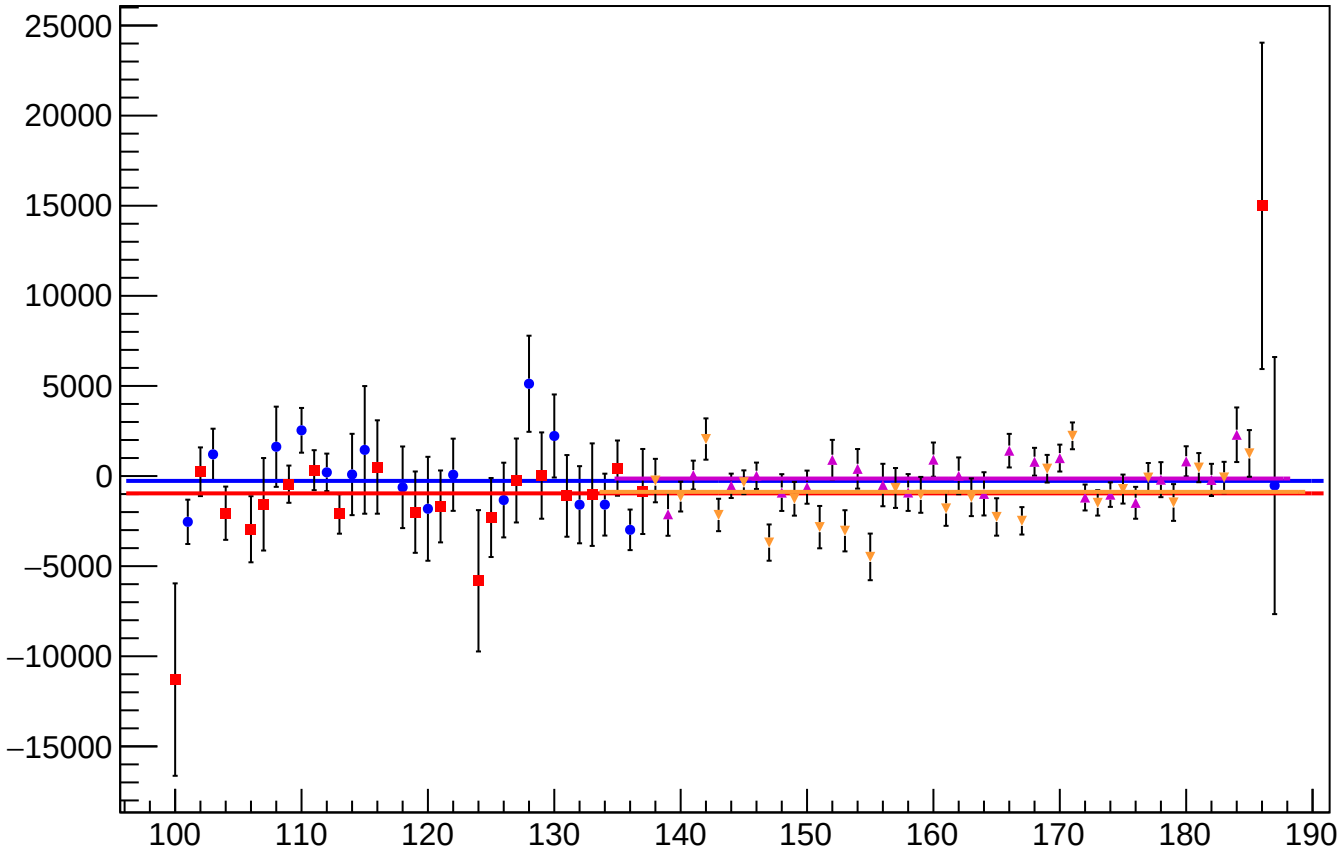
Right Out: 90.482+/-0.024 χ^2/NDF: 1336907.3/19

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.663+/-0.013 χ^2/NDF: 1425869.0/41

All: 91.648+/-0.009 χ^2/NDF: 3465548.8/84

- sign 91.632+/-0.013 χ^2/NDF: 2039676.9/42



Right In: -269.382+/-418.854 χ^2/NDF: 23.4/16

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -961.411+/-400.432 χ^2/NDF: 15.8/19

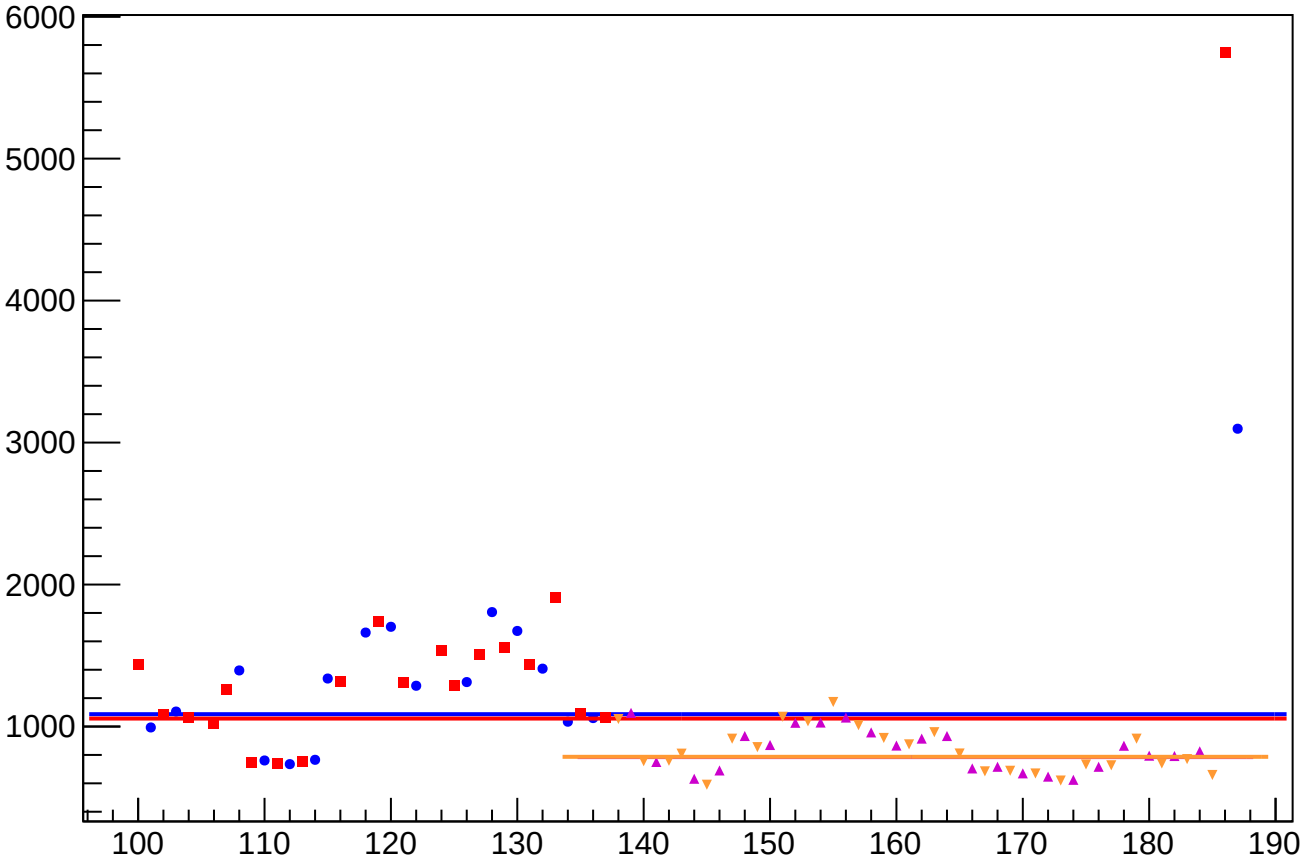
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -781.560+/-167.068 χ^2/NDF: 92.9/41

All: -536.539+/-118.853 χ^2/NDF: 140.7/84

- sign -285.468+/-169.117 χ^2/NDF: 43.4/42

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1087.002+/-0.296 χ^2/NDF: 1212927.8/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1056.258+/-0.283 χ^2/NDF: 1736331.2/19

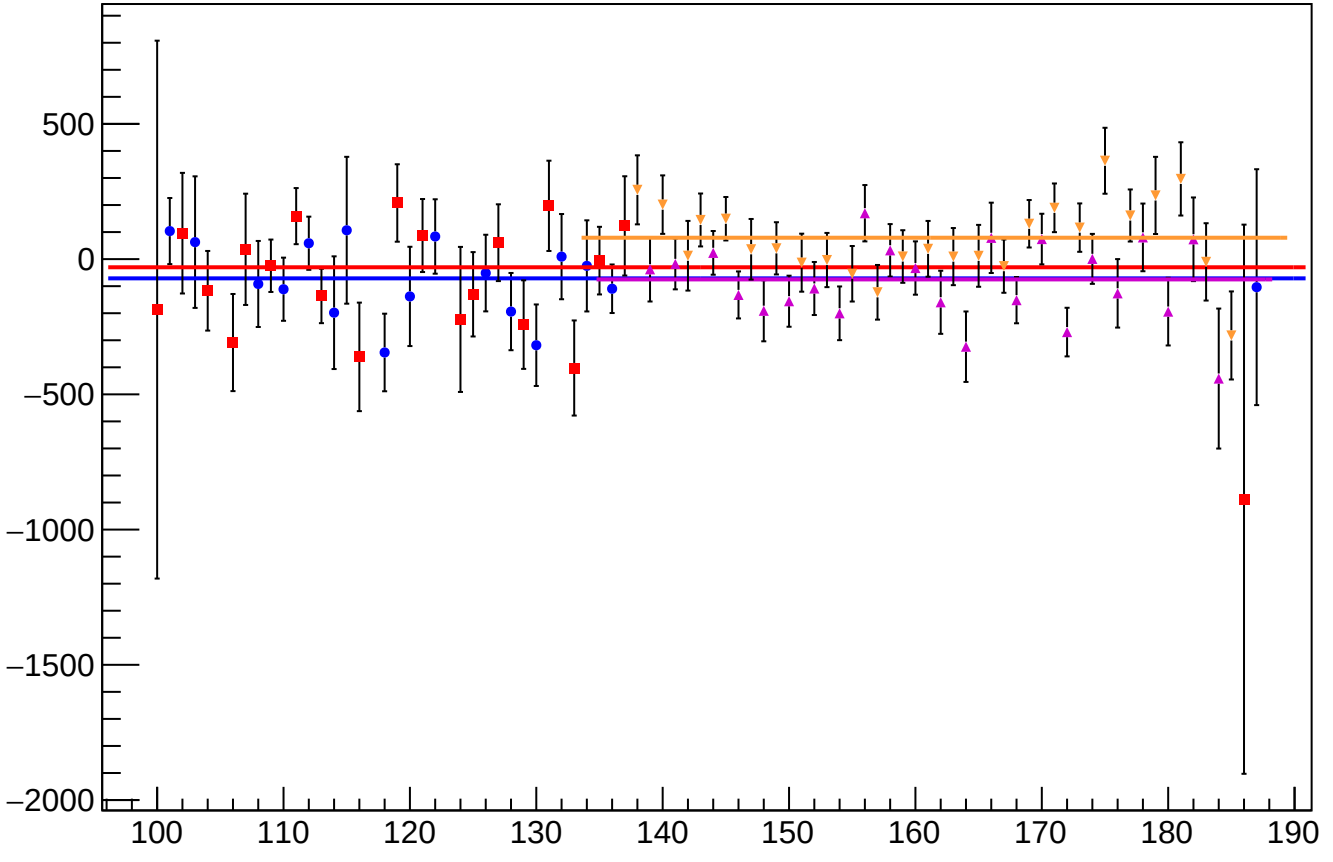
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 834.526+/-0.118 χ^2/NDF: 3287992.9/41

All: 833.894+/-0.084 χ^2/NDF: 6843131.7/84

- sign 833.247+/-0.120 χ^2/NDF: 3555080.9/42

cor_asym_sam_3748_avg_mean vs Slug



Right In: -71.115+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -30.135+/-34.228 χ^2/NDF: 24.7/19

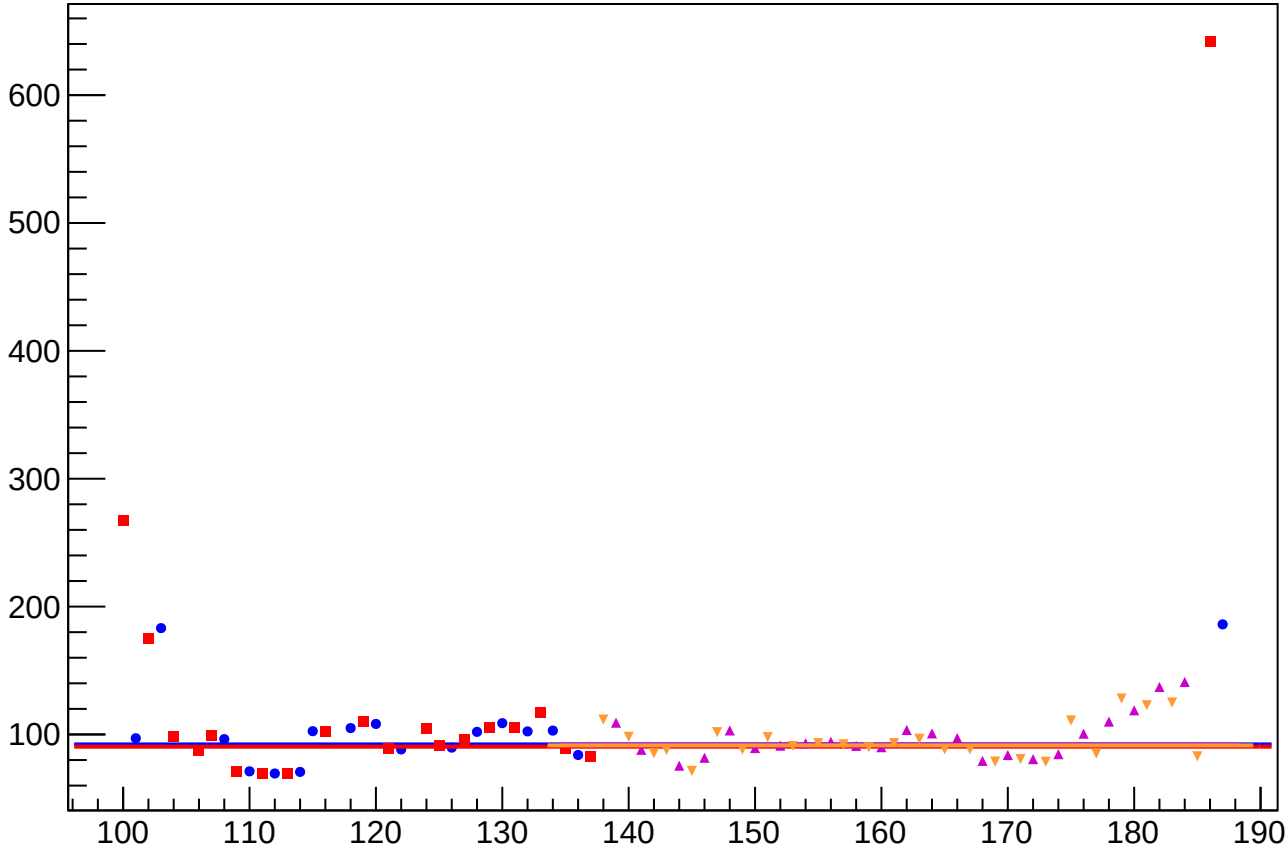
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 39.072+/-18.073 χ^2/NDF: 59.5/41

All: -10.559+/-12.897 χ^2/NDF: 133.4/84

- sign -62.056+/-18.409 χ^2/NDF: 58.5/42

cor_asym_sam_3748_avg_rms vs Slug



Right In: 92.217+/-0.025 χ^2/NDF: 673975.4/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

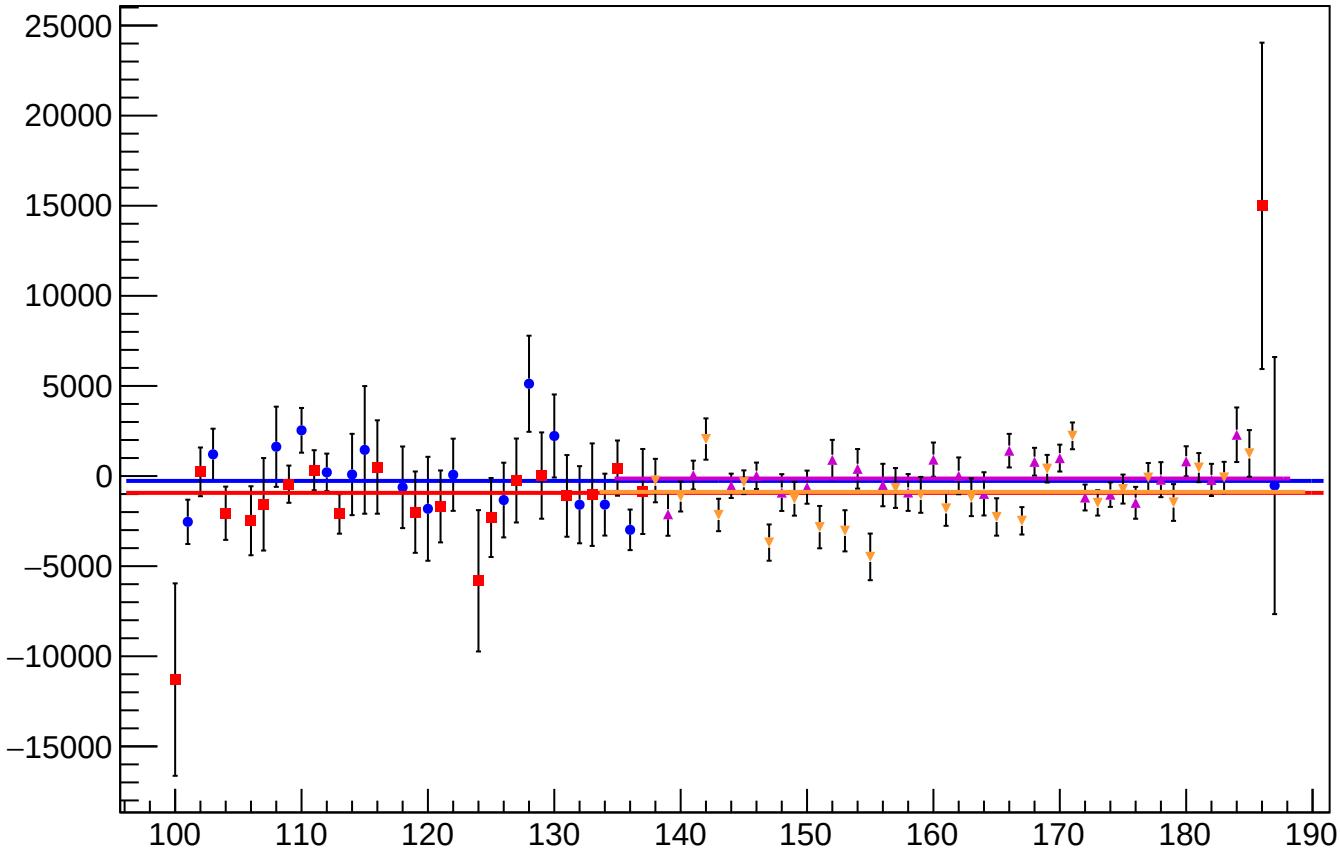
Right Out: 90.435+/-0.024 χ^2/NDF: 1337553.0/19

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.663+/-0.013 χ^2/NDF: 1425872.1/41

All: 91.641+/-0.009 χ^2/NDF: 3466388.5/84

- sign 91.619+/-0.013 χ^2/NDF: 2040510.4/42



Right In: -269.403+/-418.857 χ^2/NDF: 23.4/16

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -933.655+/-401.238 χ^2/NDF: 15.2/19

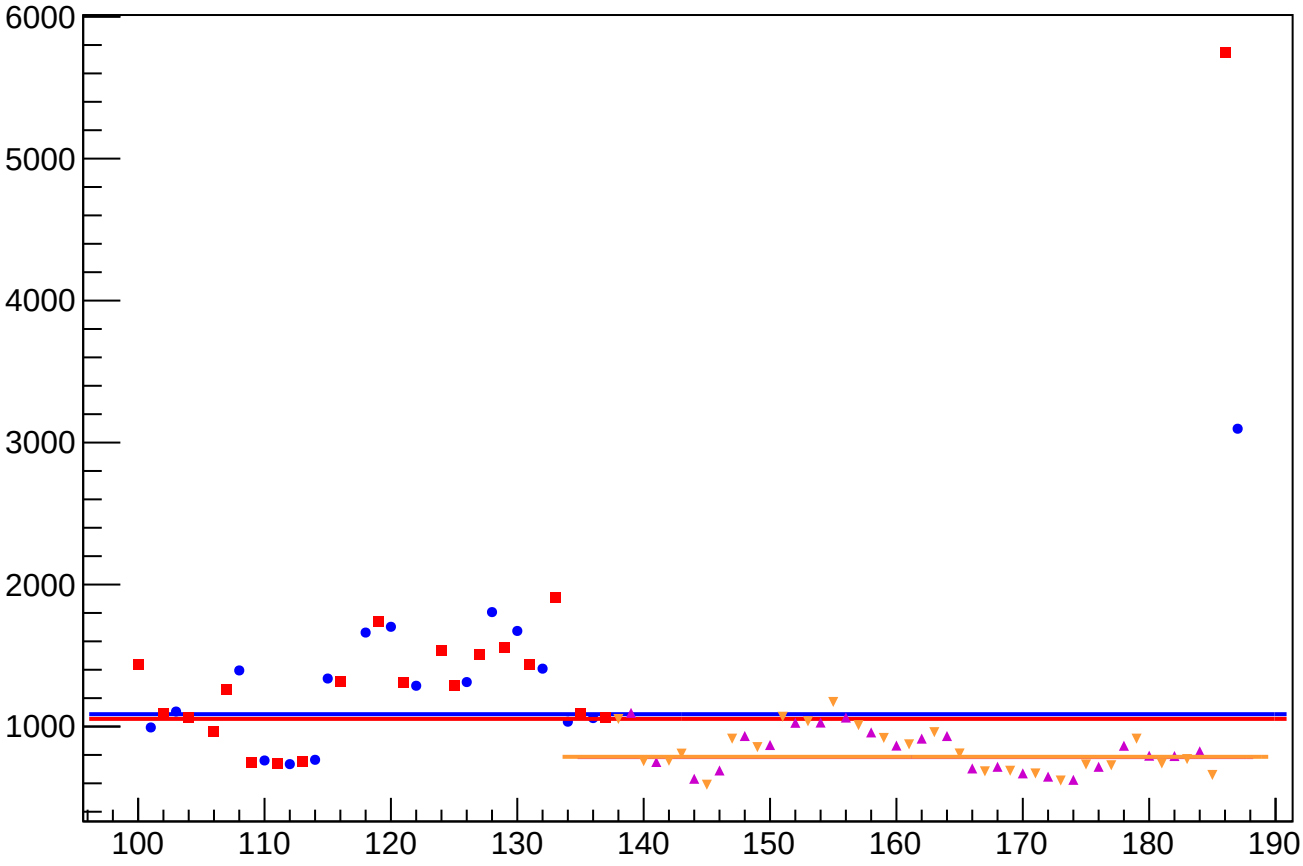
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

\+ sign -781.557+/-167.068 χ^2/NDF: 92.9/41

All: -533.951+/-118.874 χ^2/NDF: 140.0/84

\- sign -280.051+/-169.178 χ^2/NDF: 42.6/42

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1087.011+/-0.296 χ^2/NDF: 1212932.7/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1053.949+/-0.284 χ^2/NDF: 1740044.6/19

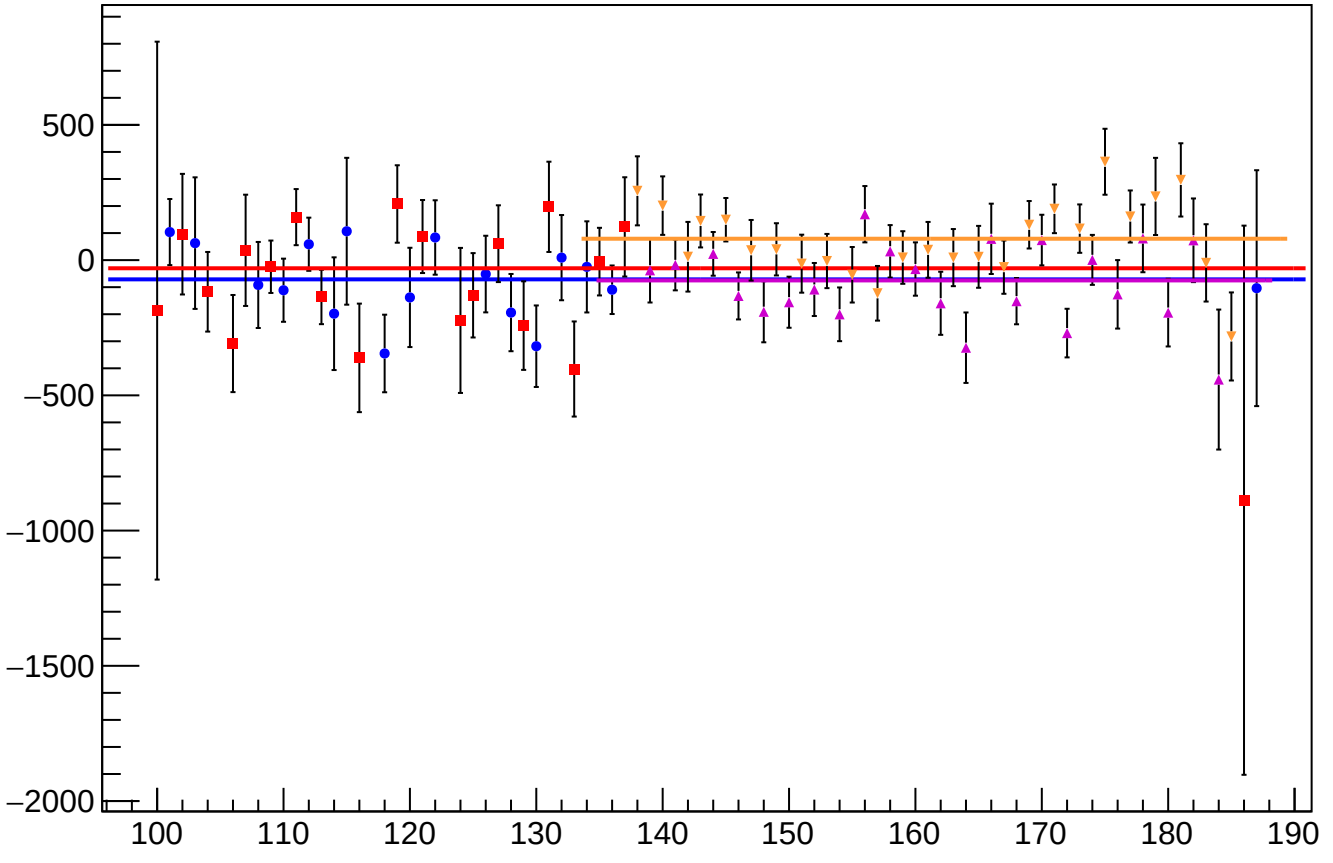
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 834.527+/-0.118 χ^2/NDF: 3288036.8/41

All: 833.613+/-0.084 χ^2/NDF: 6831708.2/84

- sign 832.677+/-0.120 χ^2/NDF: 3543550.3/42

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -71.115+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -30.135+/-34.228 χ^2/NDF: 24.7/19

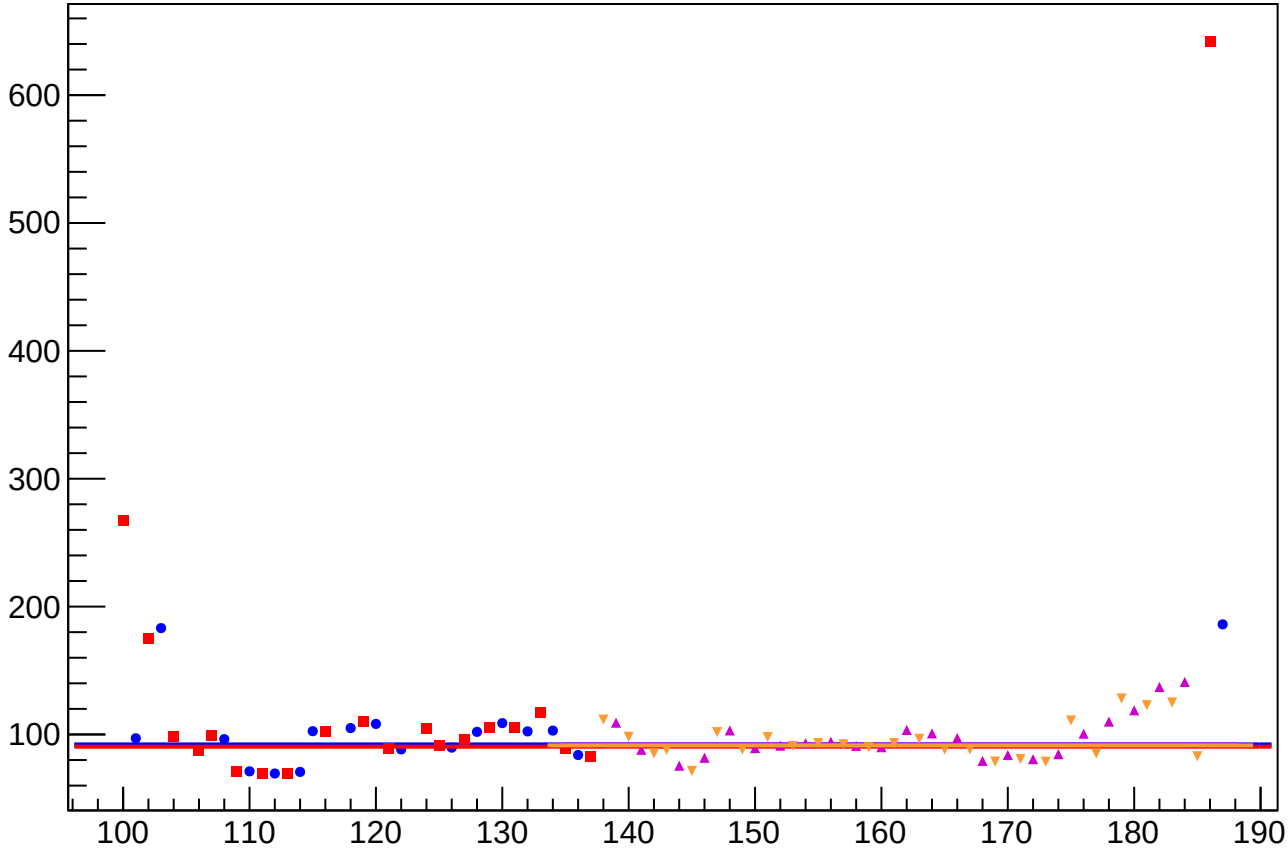
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 39.072+/-18.073 χ^2/NDF: 59.5/41

All: -10.559+/-12.897 χ^2/NDF: 133.4/84

- sign -62.056+/-18.409 χ^2/NDF: 58.5/42

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 92.217+/-0.025 χ^2/NDF: 673975.4/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

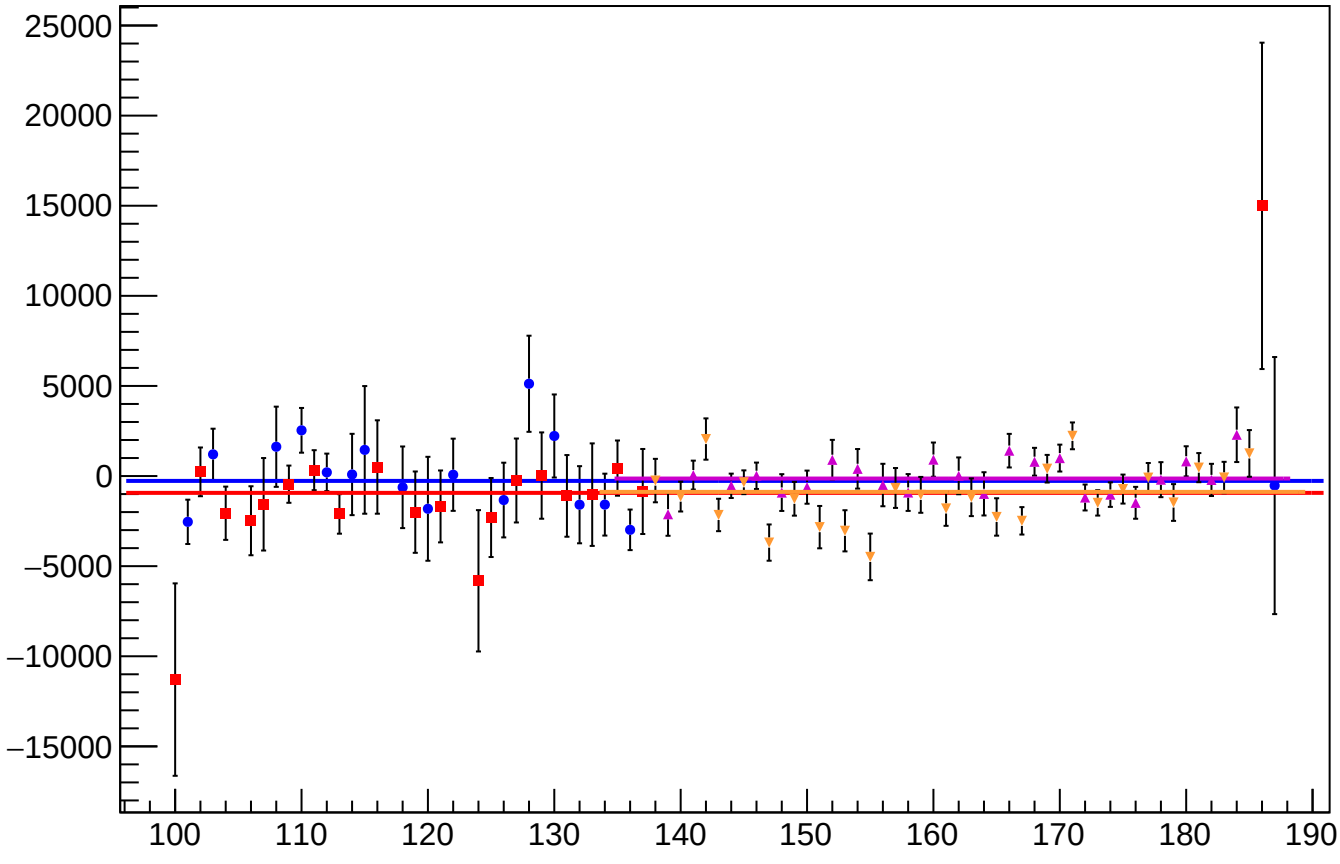
Right Out: 90.435+/-0.024 χ^2/NDF: 1337553.0/19

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 91.663+/-0.013 χ^2/NDF: 1425872.1/41

All: 91.641+/-0.009 χ^2/NDF: 3466388.5/84

- sign 91.619+/-0.013 χ^2/NDF: 2040510.4/42



Right In: -269.403+/-418.857 χ^2/NDF: 23.4/16

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

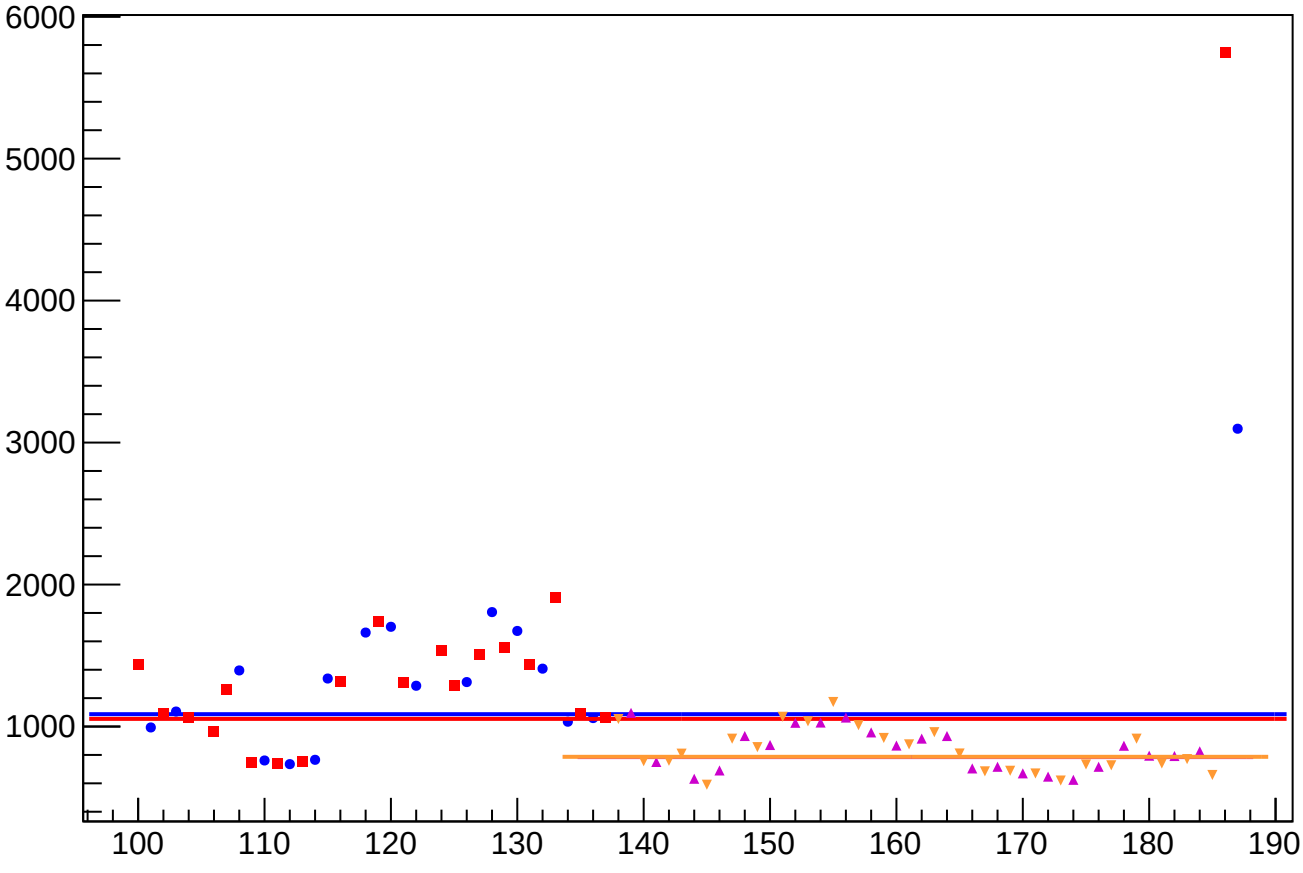
Right Out: -933.655+/-401.238 χ^2/NDF: 15.2/19

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -781.557+/-167.068 χ^2/NDF: 92.9/41

All: -533.951+/-118.874 χ^2/NDF: 140.0/84

- sign -280.051+/-169.178 χ^2/NDF: 42.6/42



Right In: 1087.011+/-0.296 χ^2/NDF: 1212932.7/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

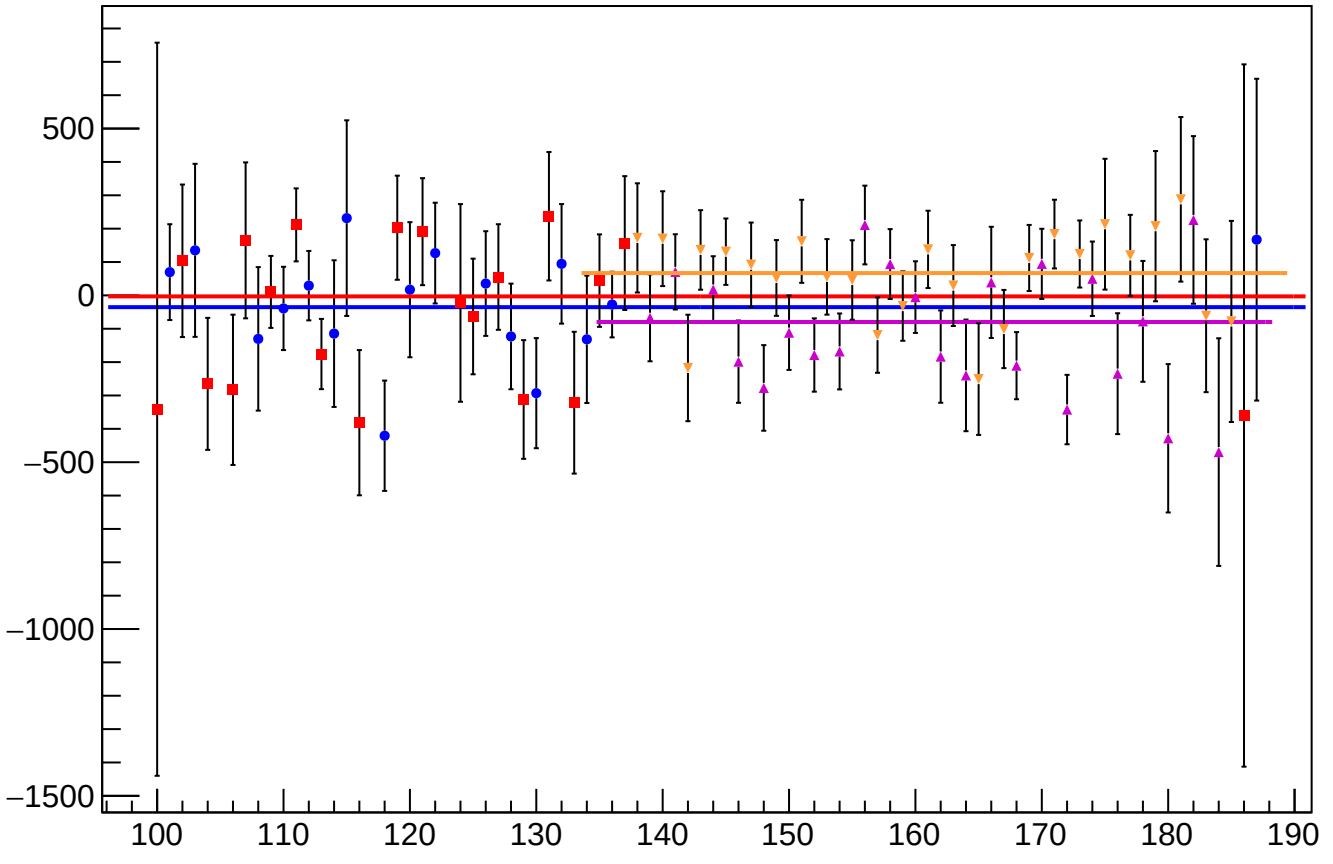
Right Out: 1053.949+/-0.284 χ^2/NDF: 1740044.6/19

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 834.527+/-0.118 χ^2/NDF: 3288036.8/41

All: 833.613+/-0.084 χ^2/NDF: 6831708.2/84

- sign 832.677+/-0.120 χ^2/NDF: 3543550.3/42



Right In: -35.268+/-38.864 χ^2/NDF: 13.1/16

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -3.037+/-38.140 χ^2/NDF: 24.9/19

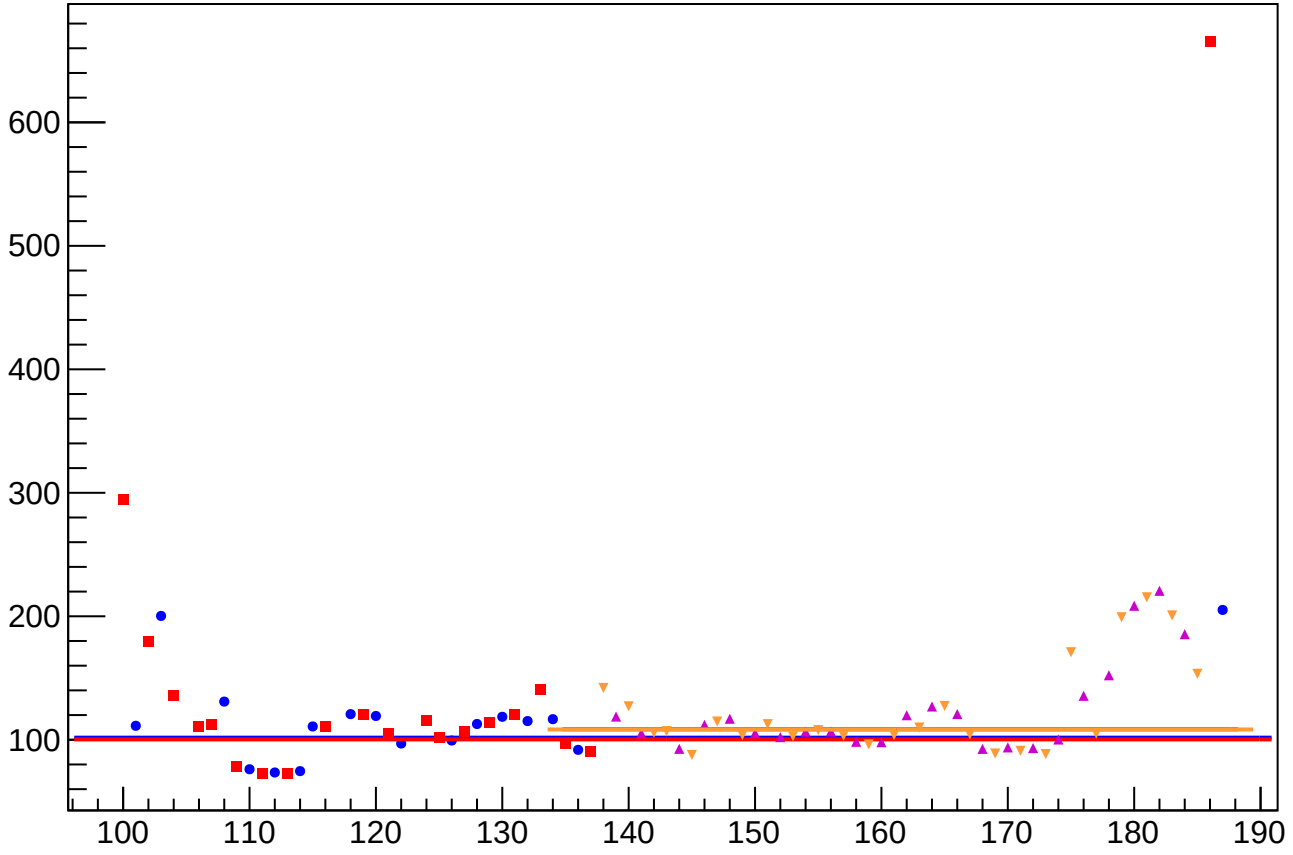
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 36.009+/-21.369 χ^2/NDF: 37.5/41

All: -8.921+/-15.209 χ^2/NDF: 111.0/84

- sign -55.041+/-21.651 χ^2/NDF: 64.5/42

dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.707+/-0.027 χ^2/NDF: 808723.5/16

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

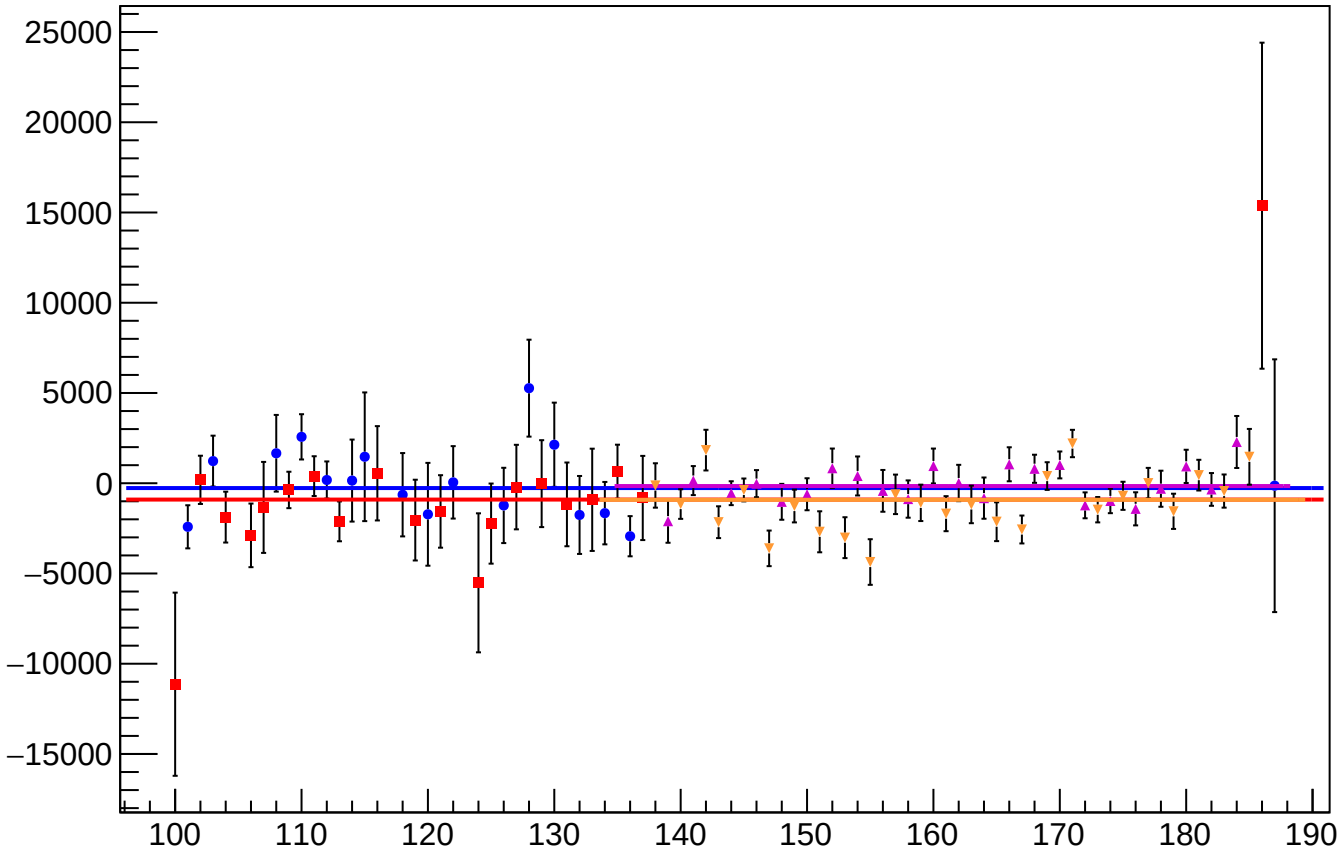
Right Out: 100.290+/-0.027 χ^2/NDF: 1457845.5/19

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 106.328+/-0.015 χ^2/NDF: 2623843.4/41

All: 106.092+/-0.011 χ^2/NDF: 5524275.7/84

- sign 105.849+/-0.015 χ^2/NDF: 2899937.3/42



Right In: -267.426+/-416.324 χ^2/NDF: 23.5/16

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -905.396+/-395.854 χ^2/NDF: 16.4/19

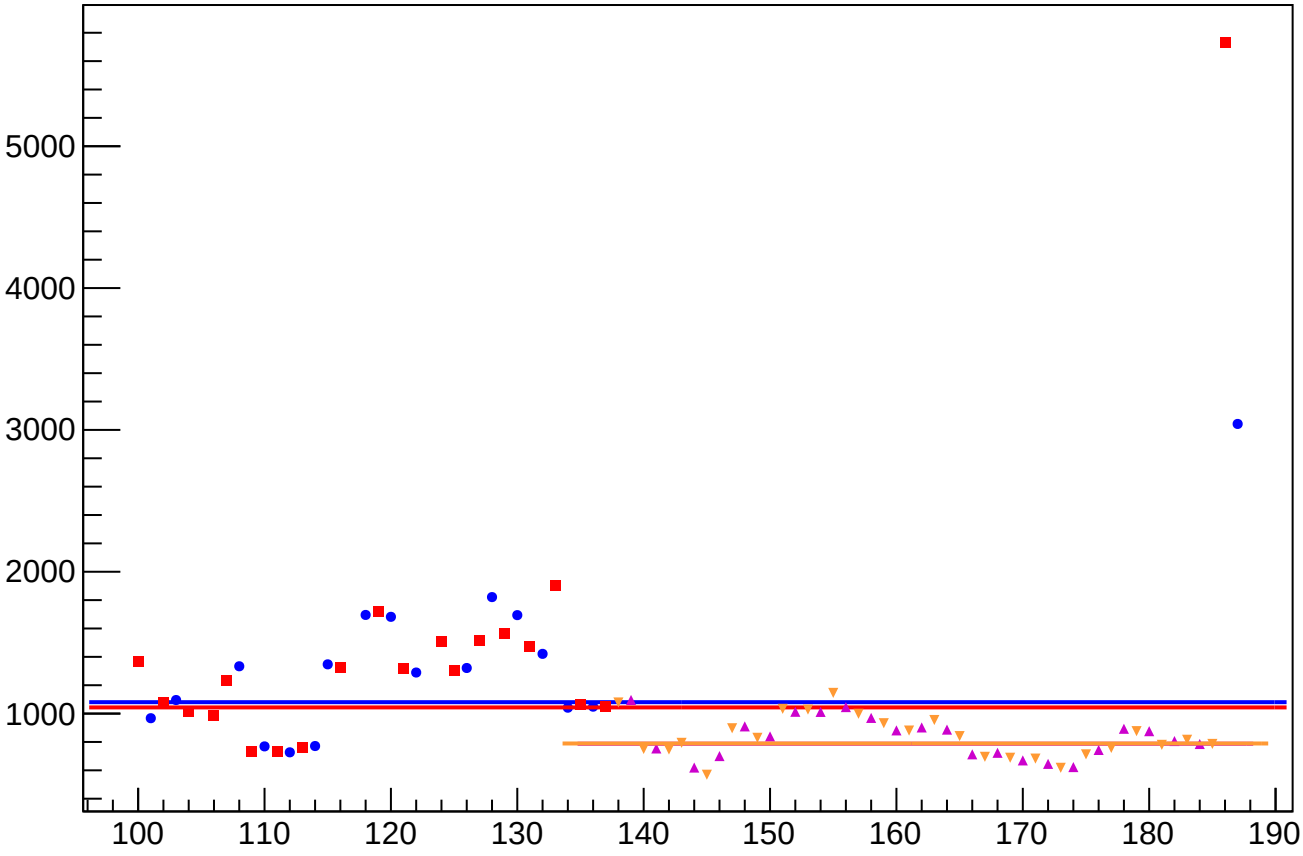
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -813.790+/-167.116 χ^2/NDF: 89.6/41

All: -556.454+/-118.888 χ^2/NDF: 136.8/84

- sign -292.758+/-169.169 χ^2/NDF: 42.4/42

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1080.415+/-0.294 χ^2/NDF: 1234585.9/16

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1043.556+/-0.280 χ^2/NDF: 1769024.0/19

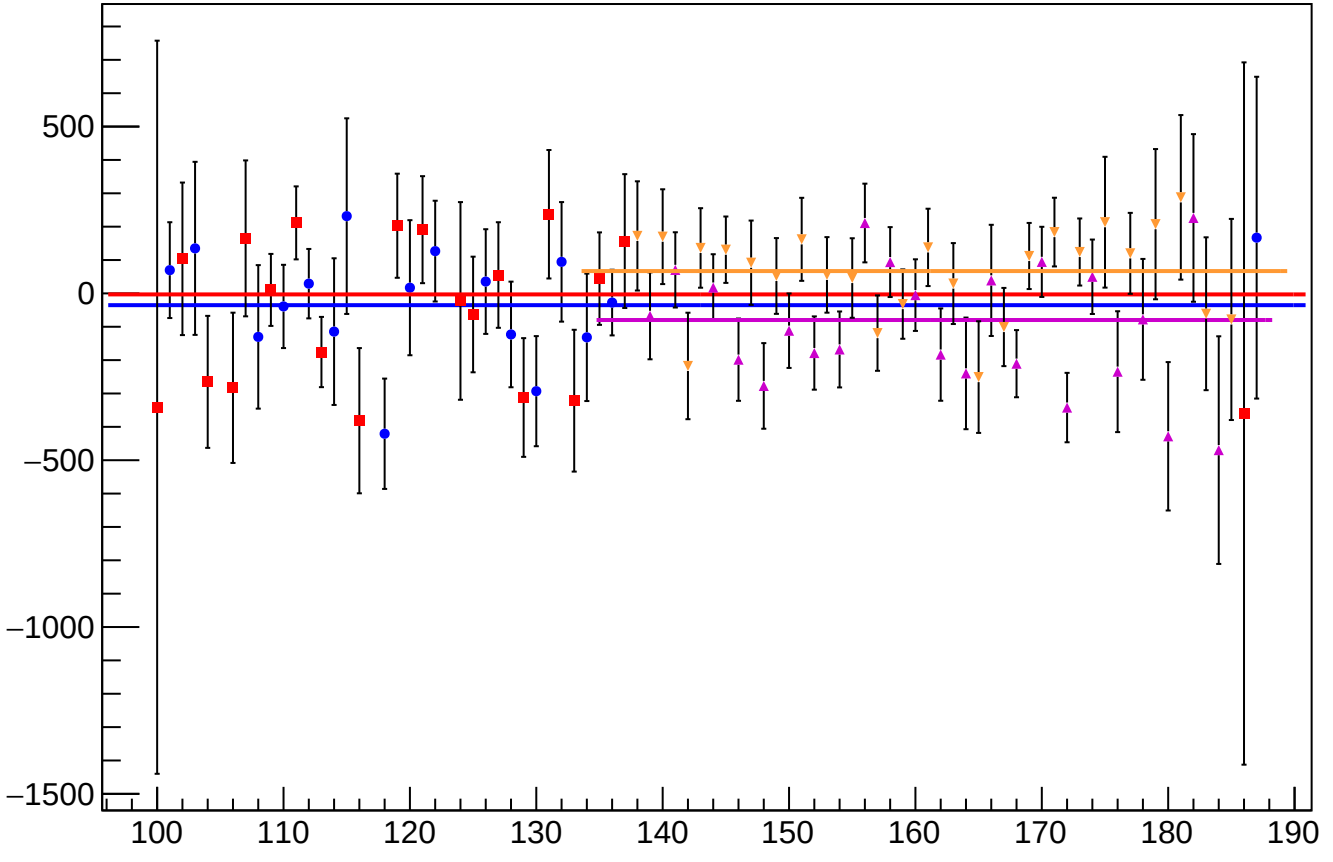
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 836.165+/-0.118 χ^2/NDF: 3232005.1/41

All: 835.181+/-0.084 χ^2/NDF: 6727139.6/84

- sign 834.173+/-0.120 χ^2/NDF: 3494994.2/42

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -35.267+/-38.864 χ^2/NDF: 13.1/16

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -3.035+/-38.140 χ^2/NDF: 24.9/19

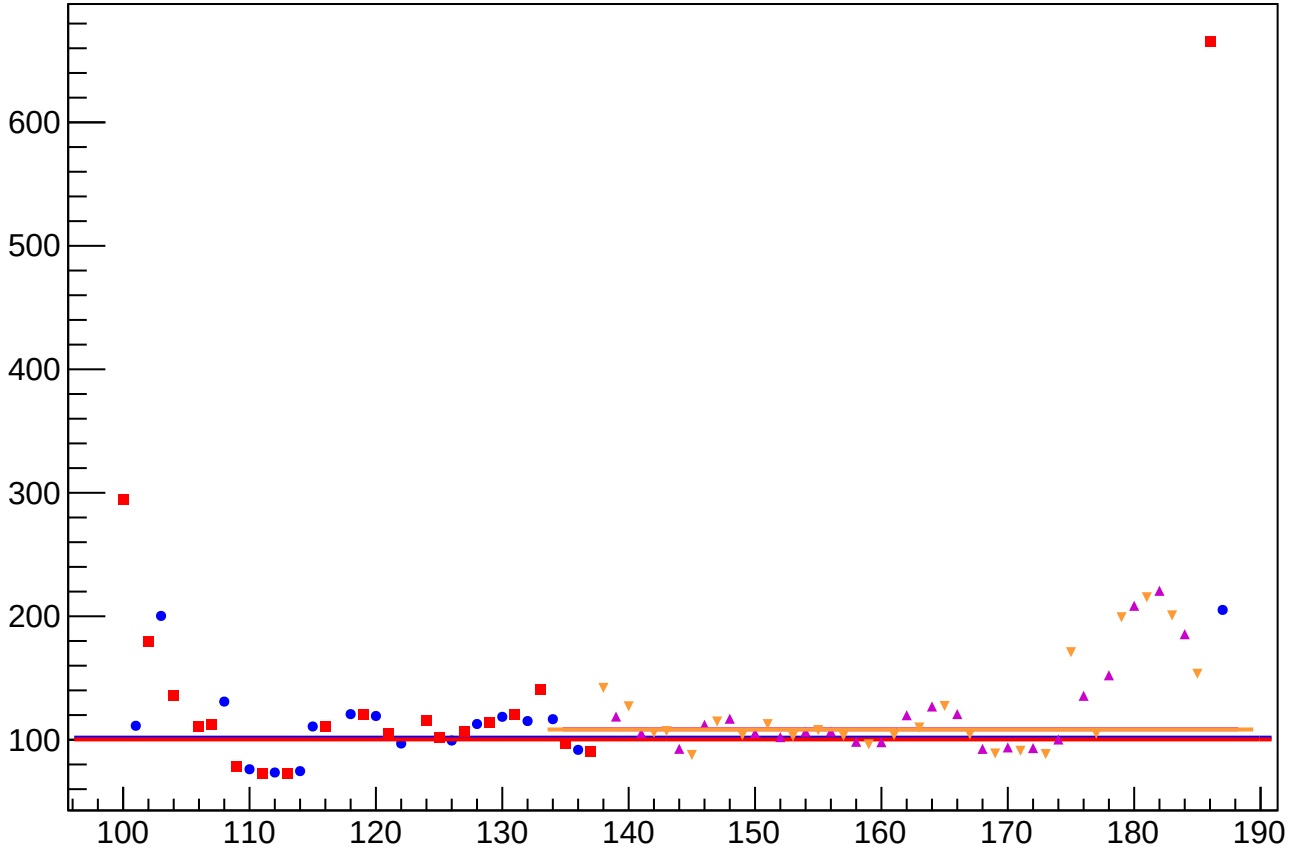
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 36.010+/-21.369 χ^2/NDF: 37.5/41

All: -8.919+/-15.209 χ^2/NDF: 111.0/84

- sign -55.040+/-21.651 χ^2/NDF: 64.5/42

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 101.707+/-0.027 χ^2/NDF: 808724.0/16

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

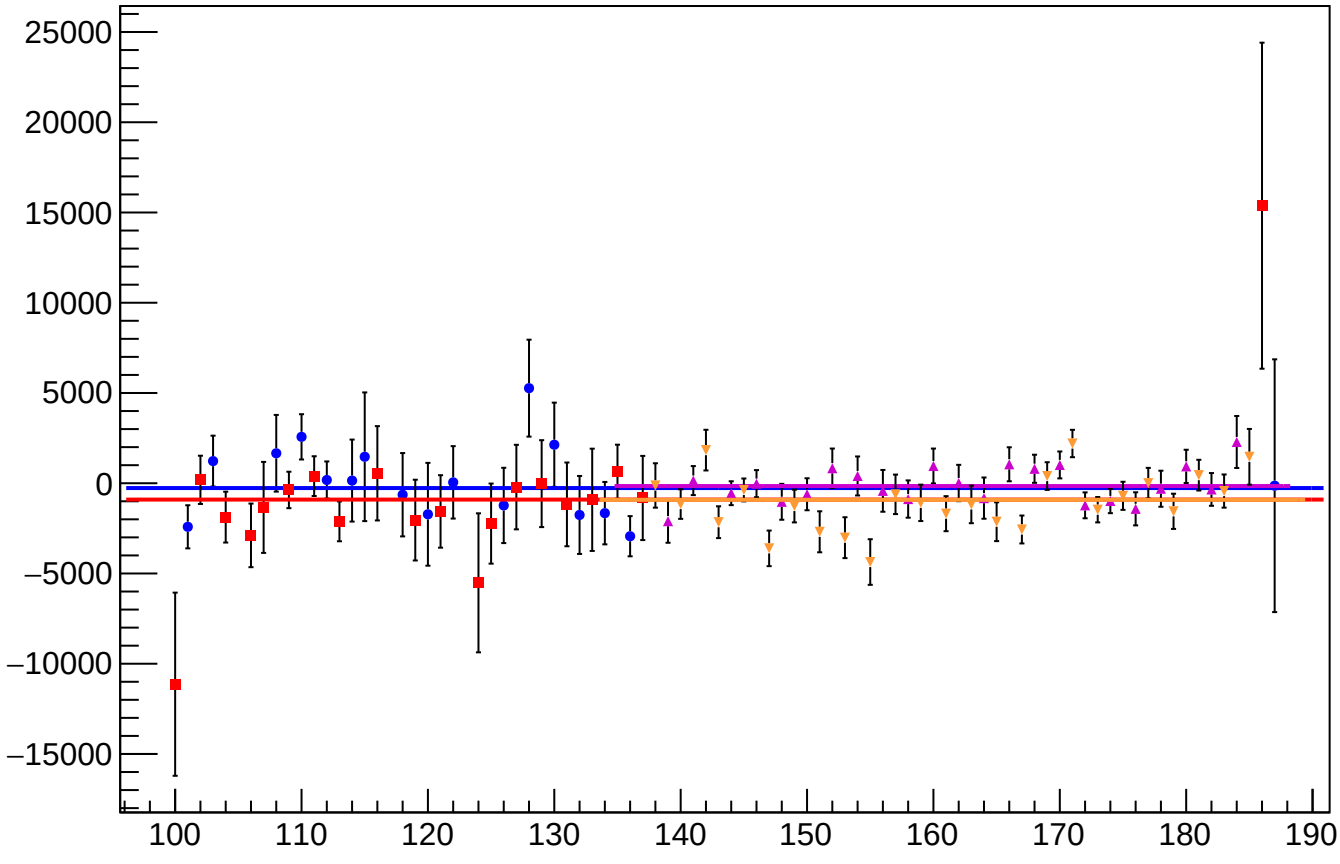
Right Out: 100.290+/-0.027 χ^2/NDF: 1457846.9/19

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 106.328+/-0.015 χ^2/NDF: 2623840.6/41

All: 106.092+/-0.011 χ^2/NDF: 5524257.9/84

- sign 105.850+/-0.015 χ^2/NDF: 2899922.2/42



Right In: -267.425+/-416.323 χ^2/NDF: 23.5/16

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

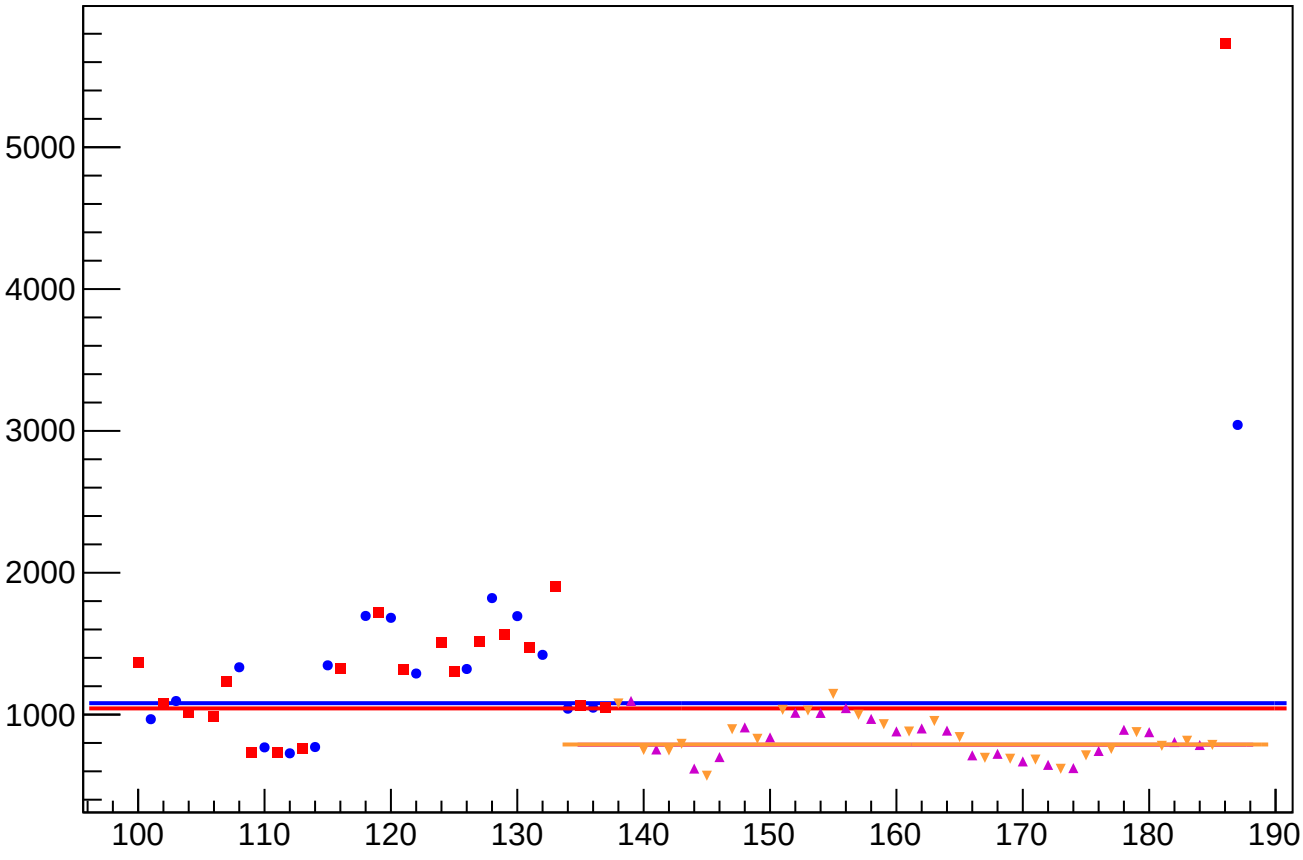
Right Out: -905.395+/-395.853 χ^2/NDF: 16.4/19

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -813.789+/-167.116 χ^2/NDF: 89.6/41

All: -556.453+/-118.888 χ^2/NDF: 136.8/84

- sign -292.757+/-169.168 χ^2/NDF: 42.4/42



Right In: 1080.413+/-0.294 χ^2/NDF: 1234591.5/16

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1043.554+/-0.280 χ^2/NDF: 1769026.5/19

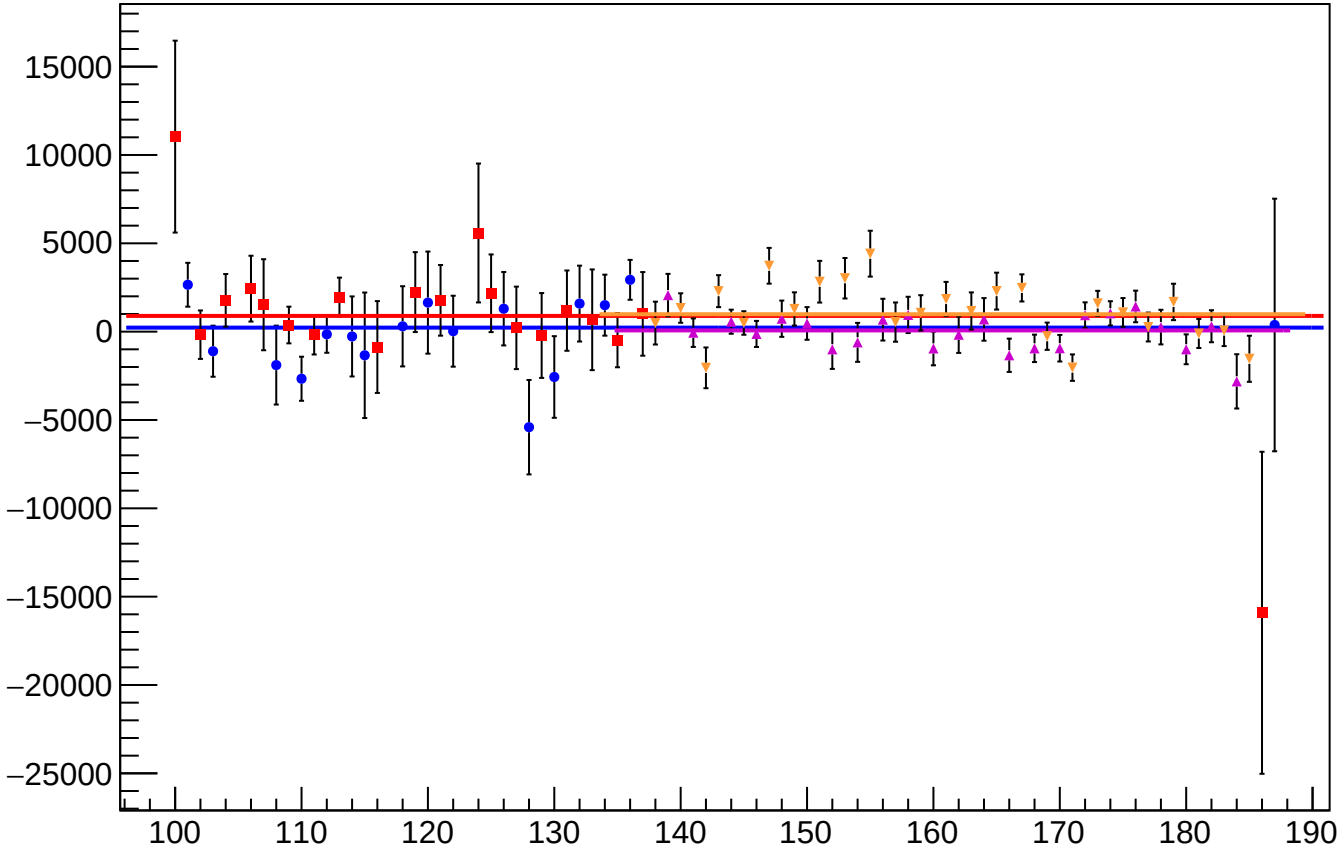
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 836.163+/-0.118 χ^2/NDF: 3232013.0/41

All: 835.180+/-0.084 χ^2/NDF: 6727150.7/84

- sign 834.172+/-0.120 χ^2/NDF: 3494997.4/42

asym_sam_3748_avg_mean vs Slug



Right In: 228.023+/-421.105 χ^2/NDF: 24.4/16

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 890.775+/-402.708 χ^2/NDF: 14.6/19

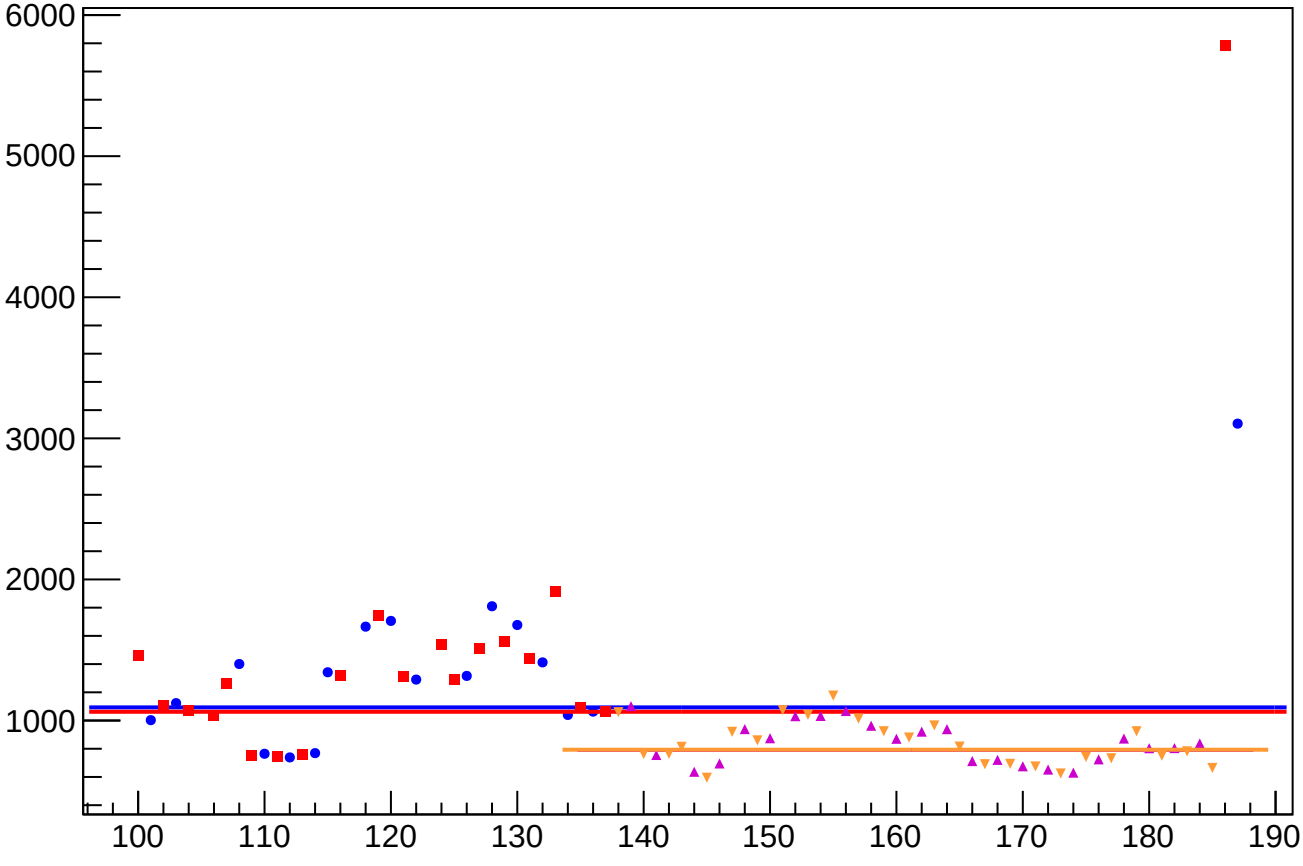
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 864.639+/-168.300 χ^2/NDF: 90.9/41

All: 544.787+/-119.734 χ^2/NDF: 140.6/84

- sign 216.989+/-170.378 χ^2/NDF: 42.4/42

asym_sam_3748_avg_rms vs Slug



Right In: 1093.141+/-0.298 χ^2/NDF: 1206335.4/16

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

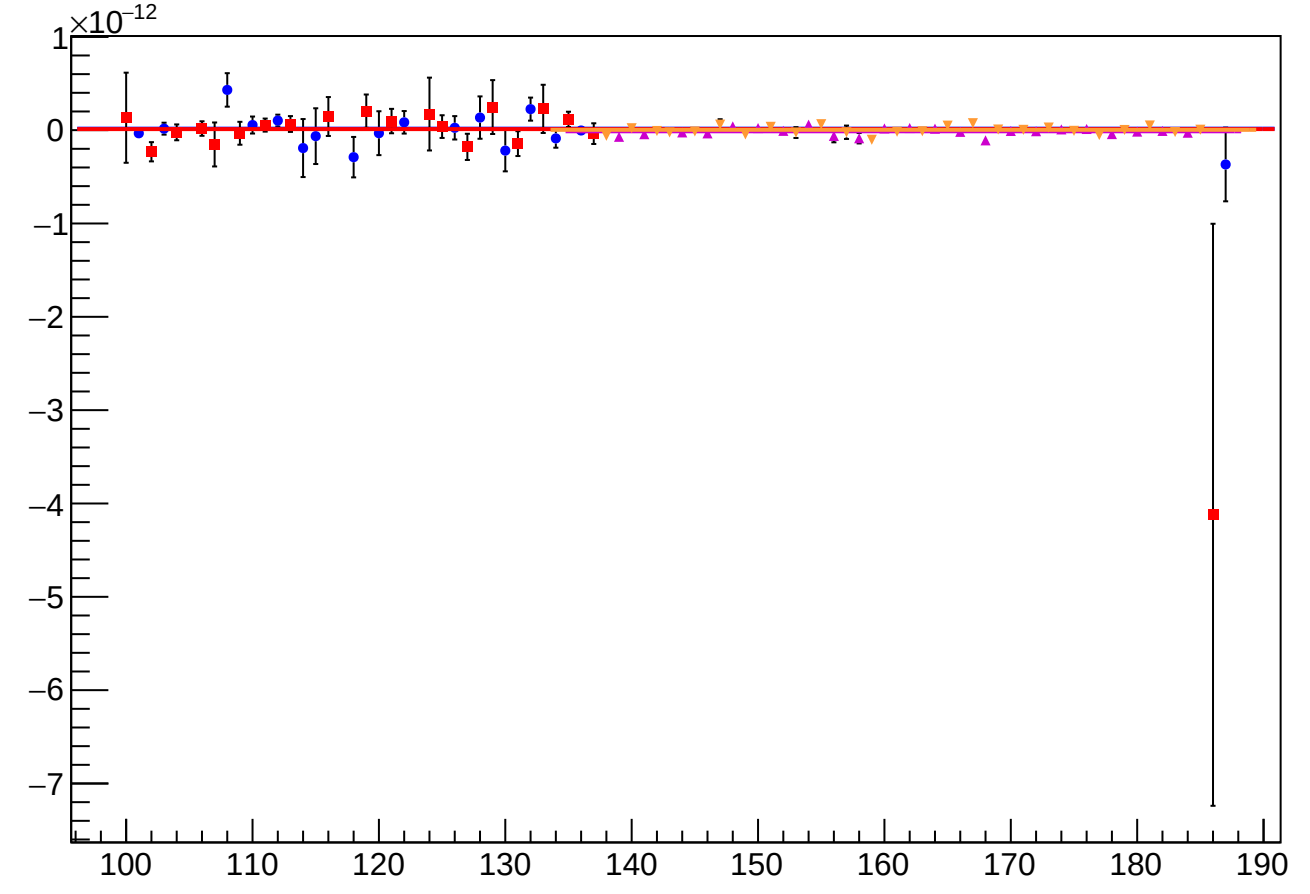
Right Out: 1062.068+/-0.285 χ^2/NDF: 1732319.1/19

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 840.985+/-0.119 χ^2/NDF: 3253741.3/41

All: 840.324+/-0.085 χ^2/NDF: 6778340.0/84

- sign 839.648+/-0.120 χ^2/NDF: 3524536.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/19

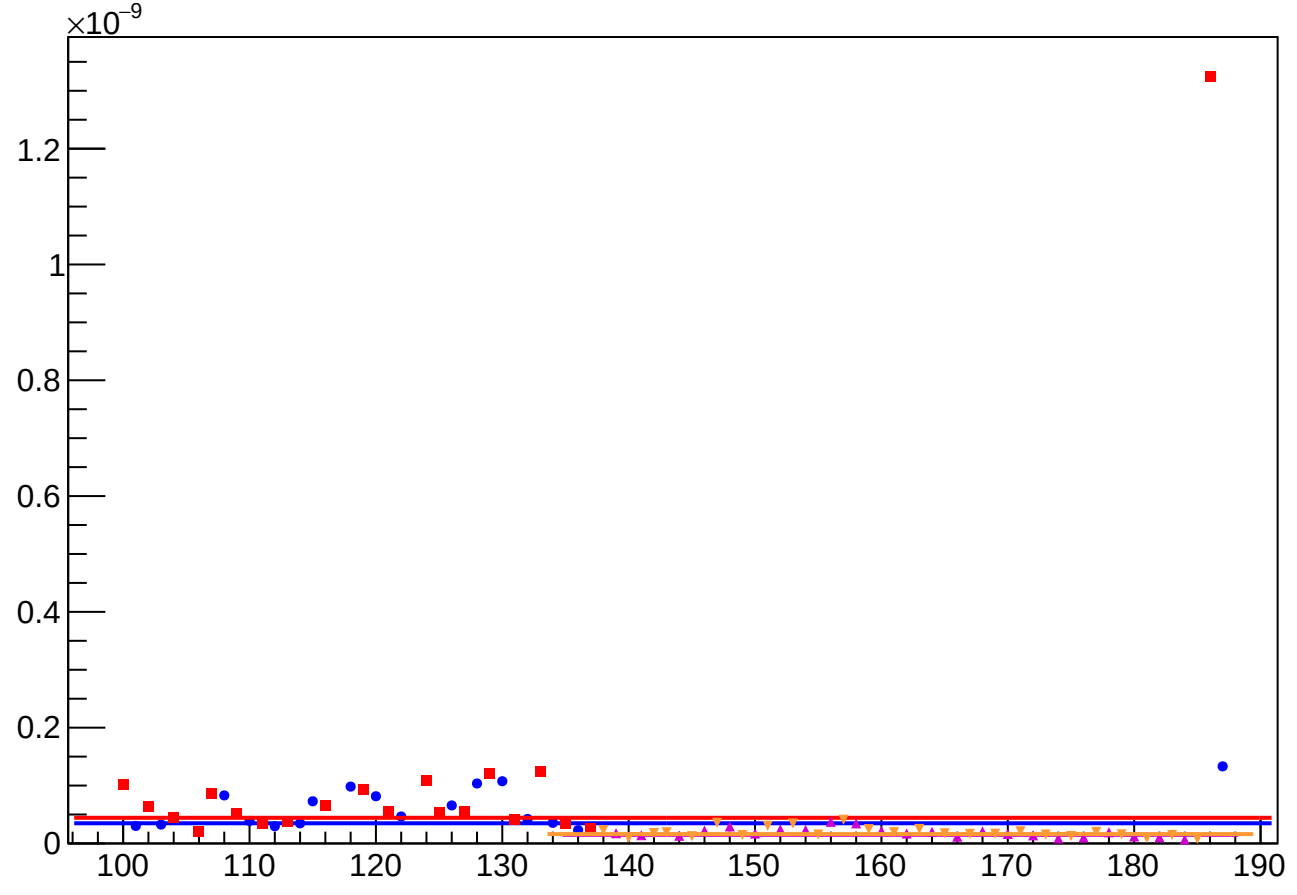
Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.1/41

All: -0.000+/-0.000 χ^2/NDF: 98.8/84

- sign -0.000+/-0.000 χ^2/NDF: 43.6/42

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1312937.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

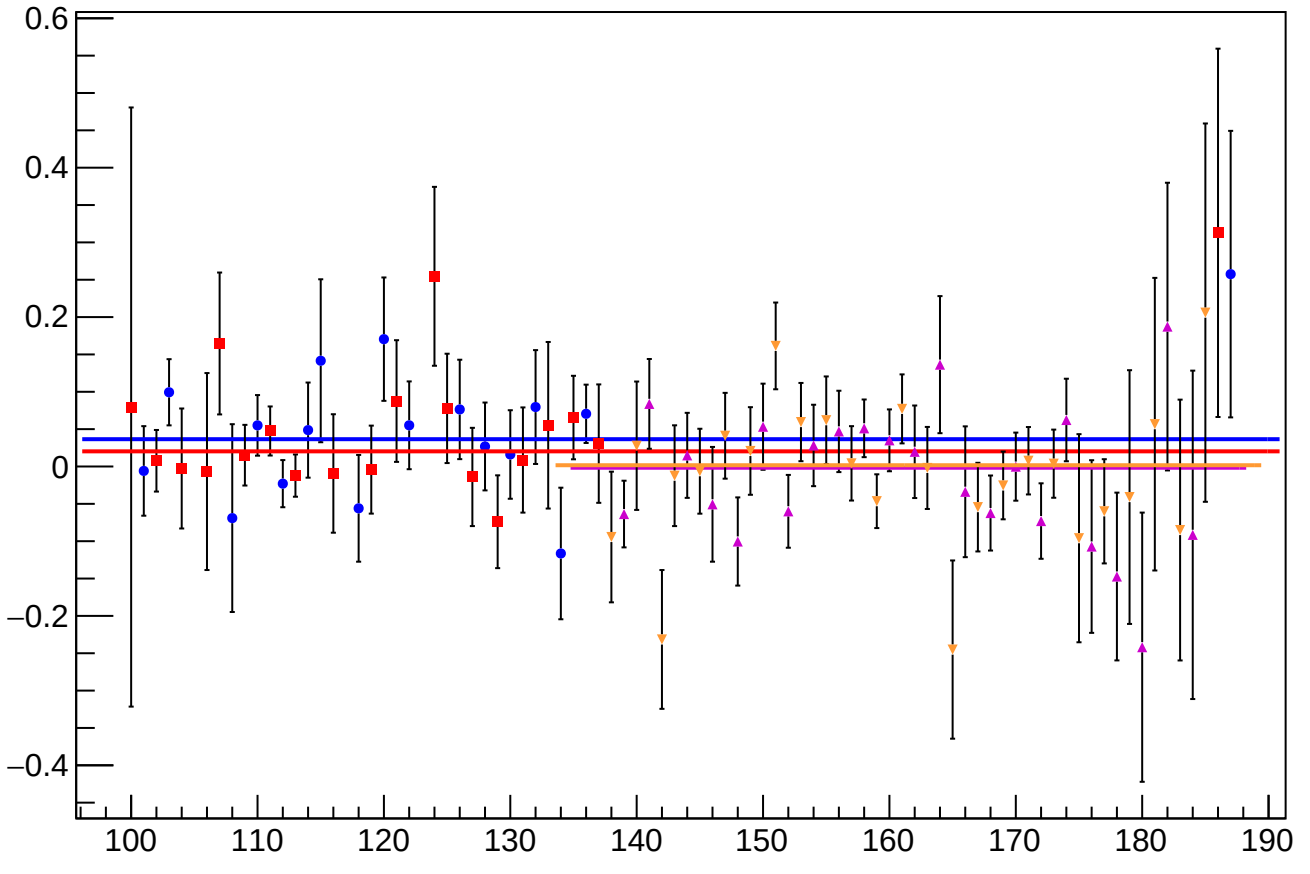
Right Out: 0.000+/-0.000 χ^2/NDF: 1410343.9/19

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 4388866.7/41

All: 0.000+/-0.000 χ^2/NDF: 9772667.5/84

- sign 0.000+/-0.000 χ^2/NDF: 5343058.4/42



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.020+/-0.013 χ^2/NDF: 14.8/19

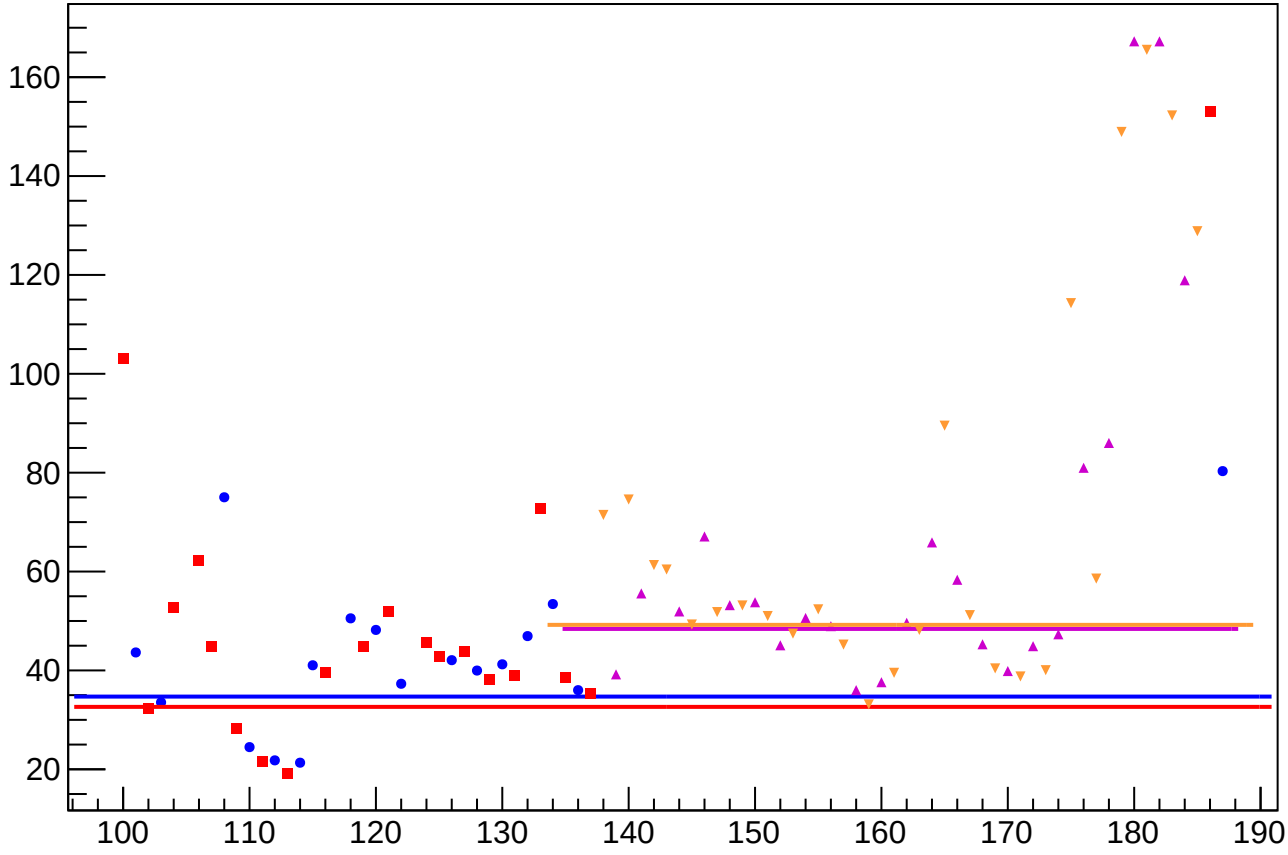
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.2/41

All: 0.013+/-0.006 χ^2/NDF: 95.0/84

- sign 0.009+/-0.009 χ^2/NDF: 42.3/42

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.707+/-0.010 χ^2/NDF: 1284906.3/16

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

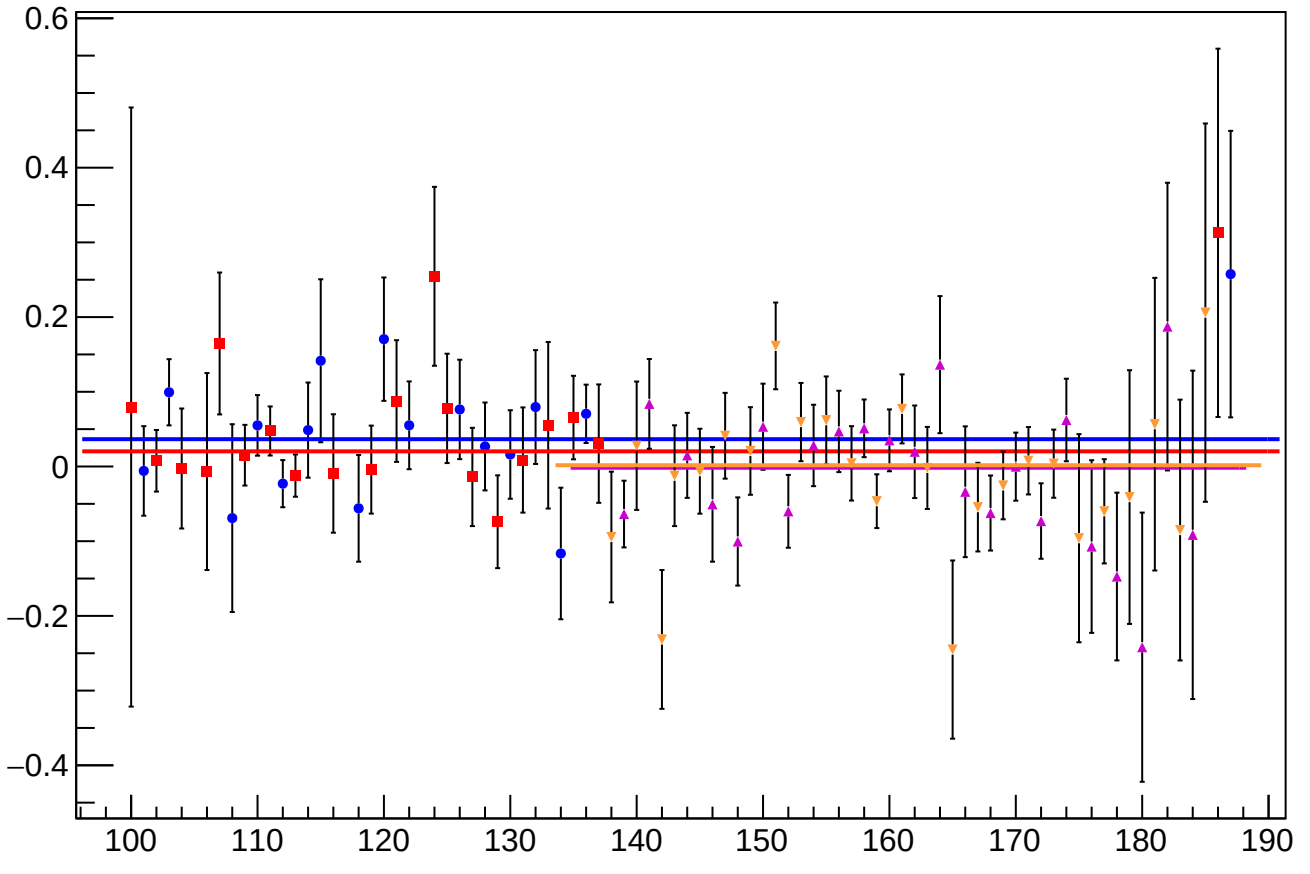
Right Out: 32.626+/-0.009 χ^2/NDF: 2150792.1/19

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.823+/-0.007 χ^2/NDF: 6683382.5/41

All: 41.872+/-0.005 χ^2/NDF: 13440094.3/84

- sign 40.963+/-0.006 χ^2/NDF: 6714916.9/42



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

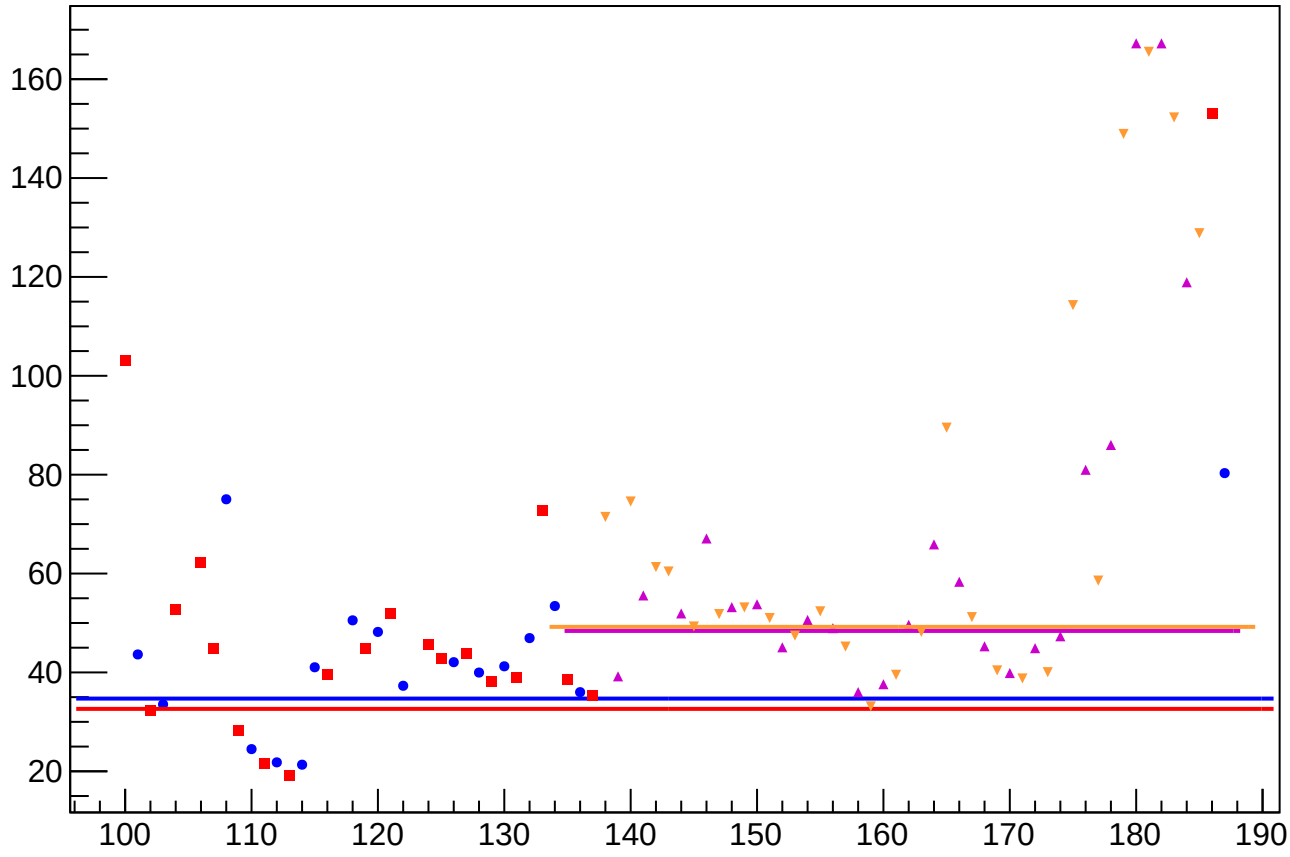
Right Out: 0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.2/41

All: 0.013+/-0.006 χ^2/NDF: 95.0/84

- sign 0.009+/-0.009 χ^2/NDF: 42.3/42



Right In: 34.707+/-0.010 χ^2/NDF: 1284906.3/16

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

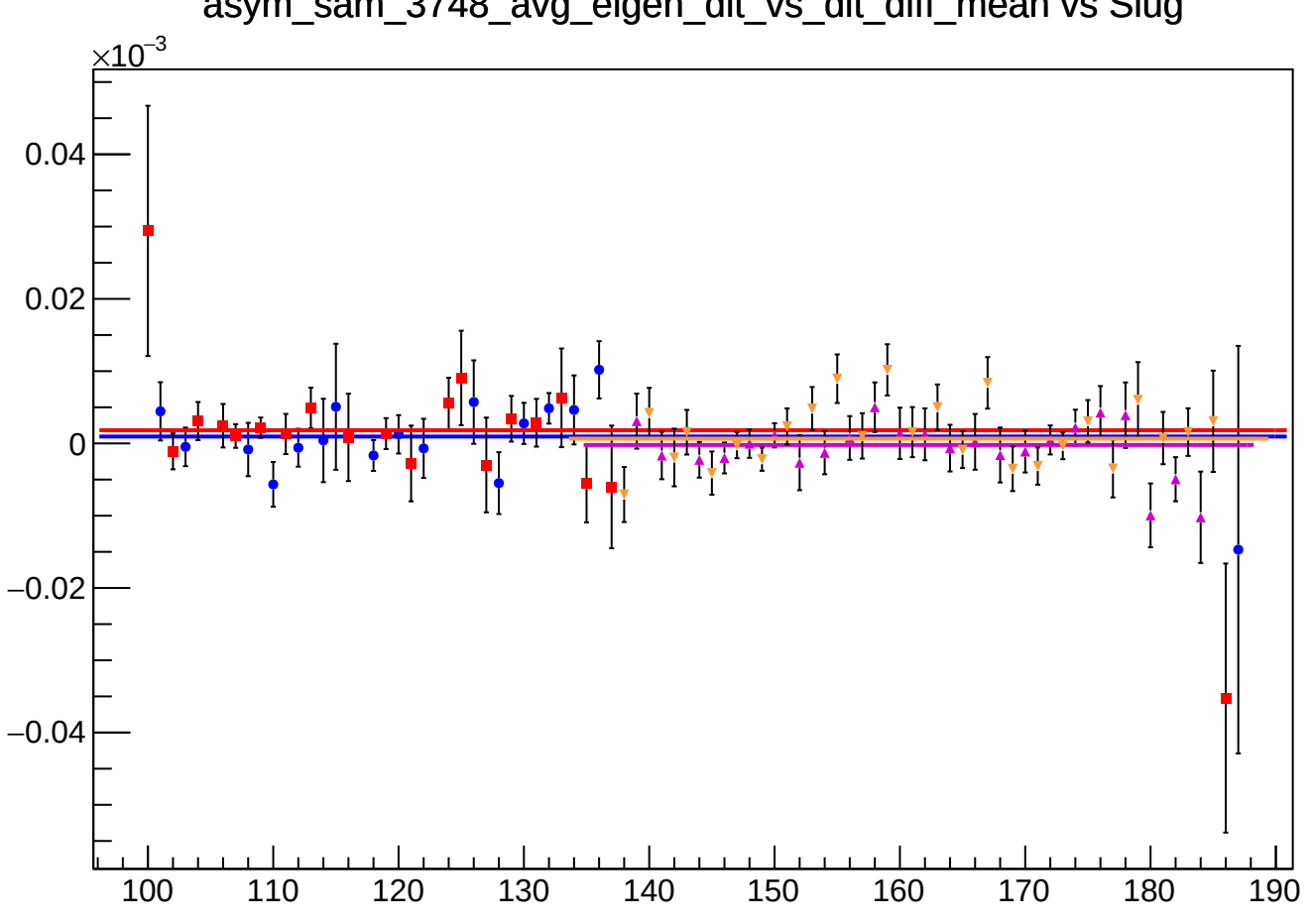
Right Out: 32.626+/-0.009 χ^2/NDF: 2150792.1/19

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 42.823+/-0.007 χ^2/NDF: 6683382.5/41

All: 41.872+/-0.005 χ^2/NDF: 13440094.3/84

- sign 40.963+/-0.006 χ^2/NDF: 6714916.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

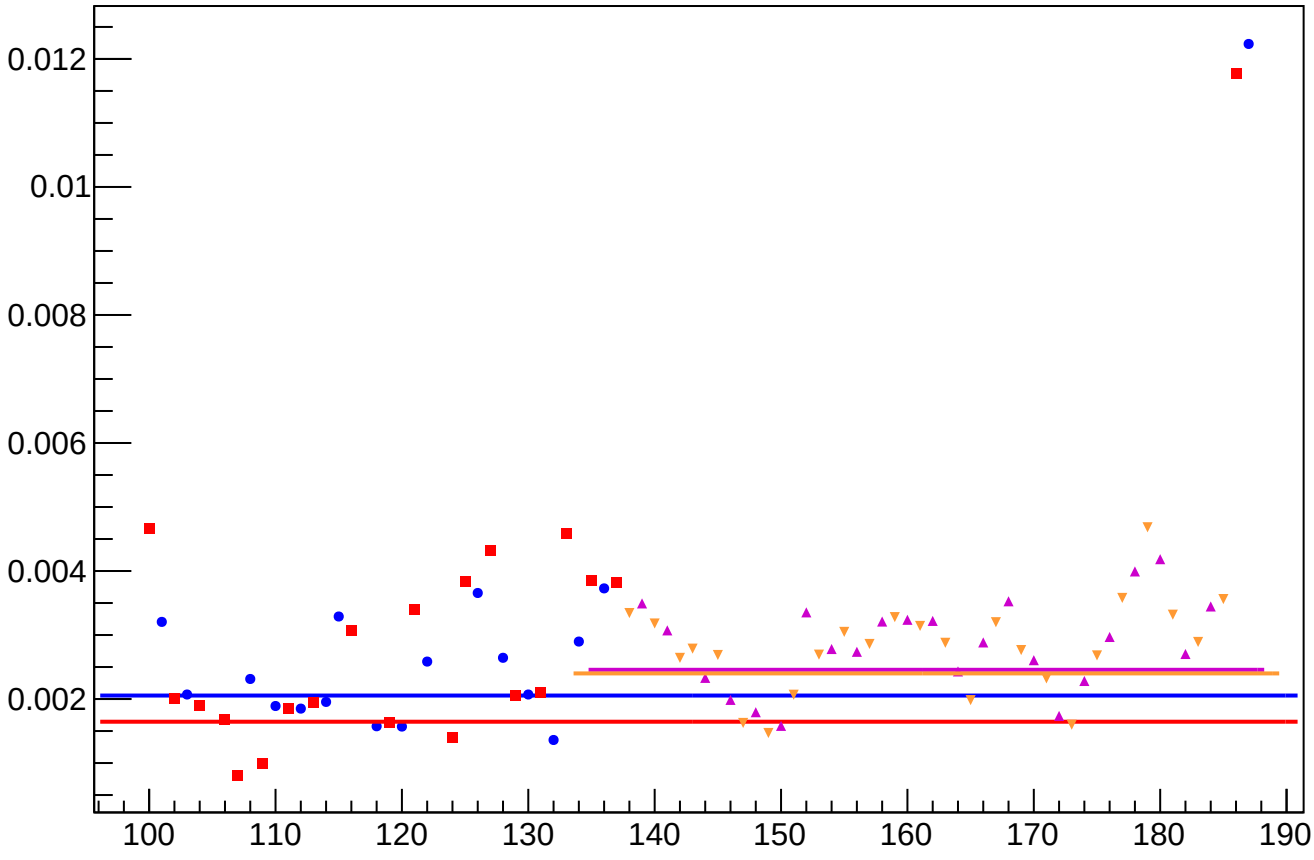
Right Out: 0.000+/-0.000 χ^2/NDF: 16.9/19

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.0/41

All: 0.000+/-0.000 χ^2/NDF: 104.8/84

- sign 0.000+/-0.000 χ^2/NDF: 41.7/42



Right In: 0.002+/-0.000 χ^2/NDF: 1521503.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

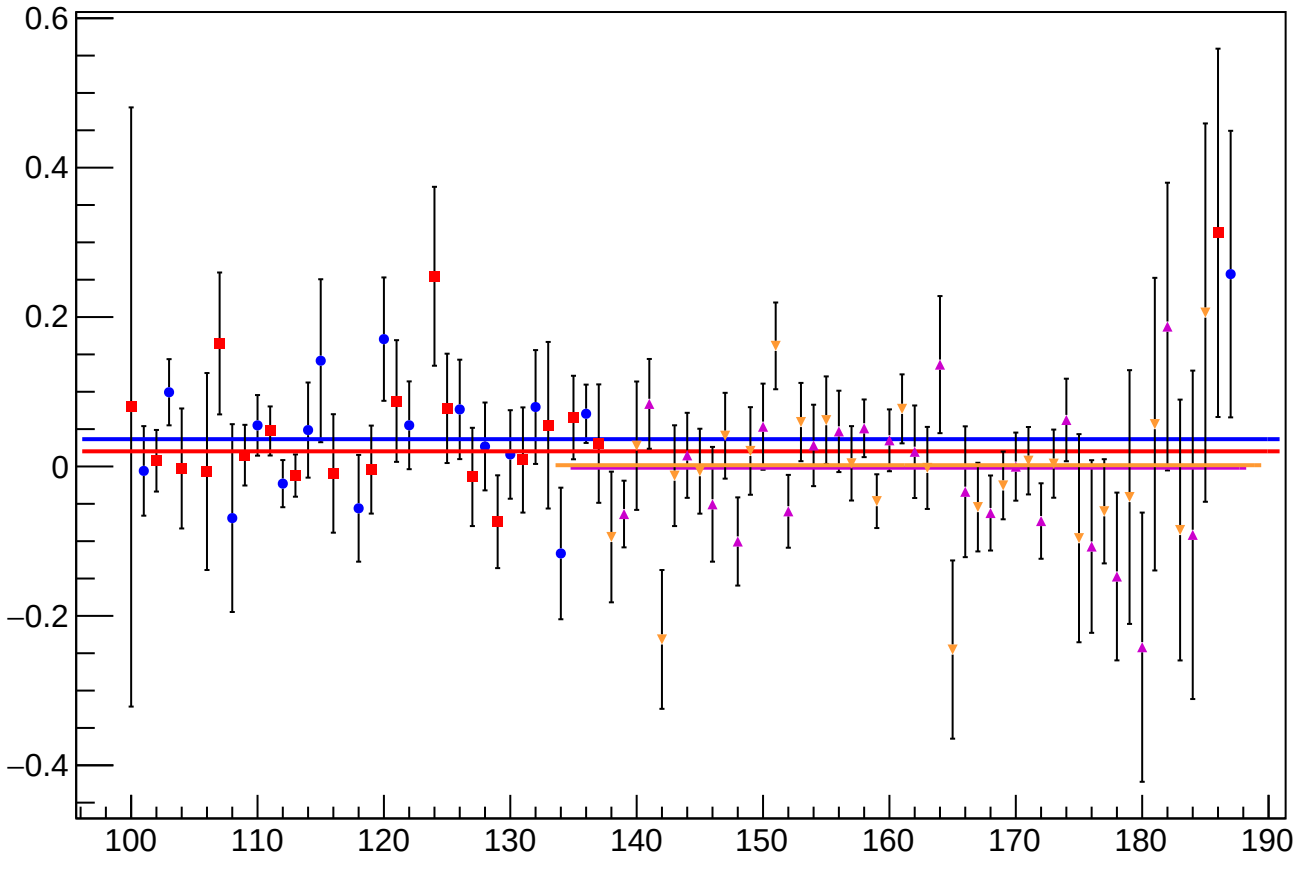
Right Out: 0.002+/-0.000 χ^2/NDF: 3521994.2/19

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4888732.0/41

All: 0.002+/-0.000 χ^2/NDF: 12836465.7/84

- sign 0.002+/-0.000 χ^2/NDF: 7775634.8/42



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

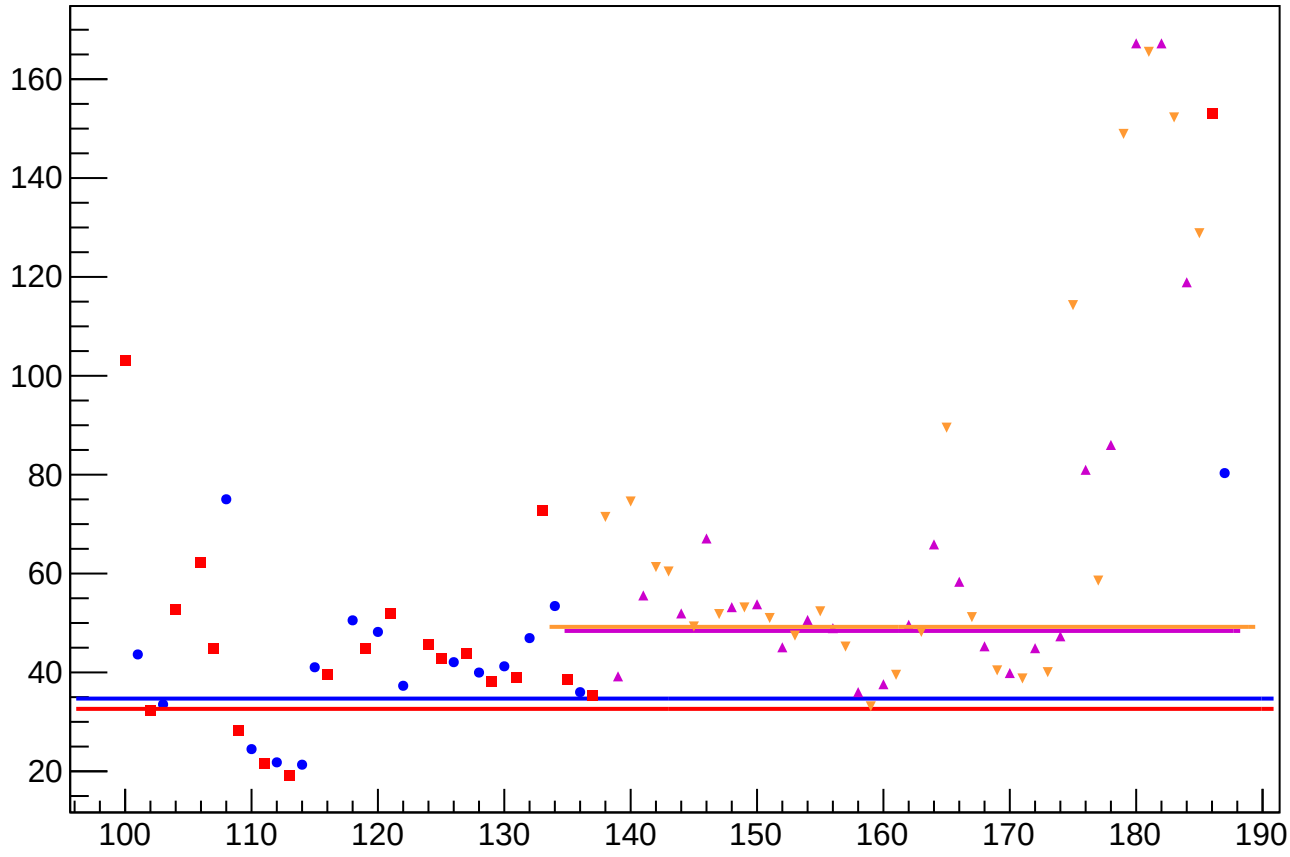
Right Out: 0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.2/41

All: 0.013+/-0.006 χ^2/NDF: 95.0/84

- sign 0.009+/-0.009 χ^2/NDF: 42.3/42



Right In: 34.708+/-0.010 χ^2/NDF: 1284869.9/16

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

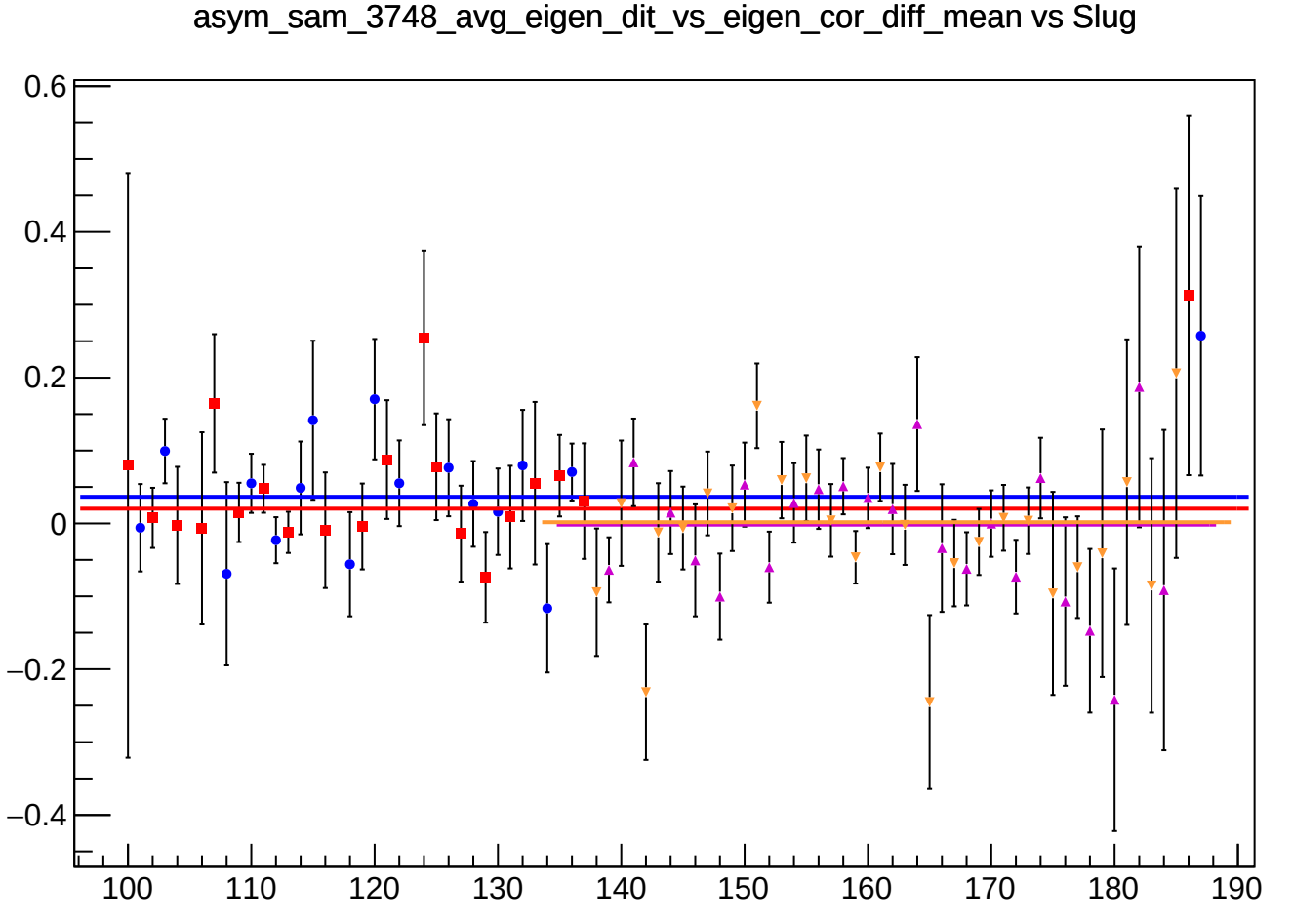
Right Out: 32.626+/-0.009 χ^2/NDF: 2150753.8/19

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.823+/-0.007 χ^2/NDF: 6683333.9/41

All: 41.873+/-0.005 χ^2/NDF: 13439977.0/84

- sign 40.963+/-0.006 χ^2/NDF: 6714849.2/42



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

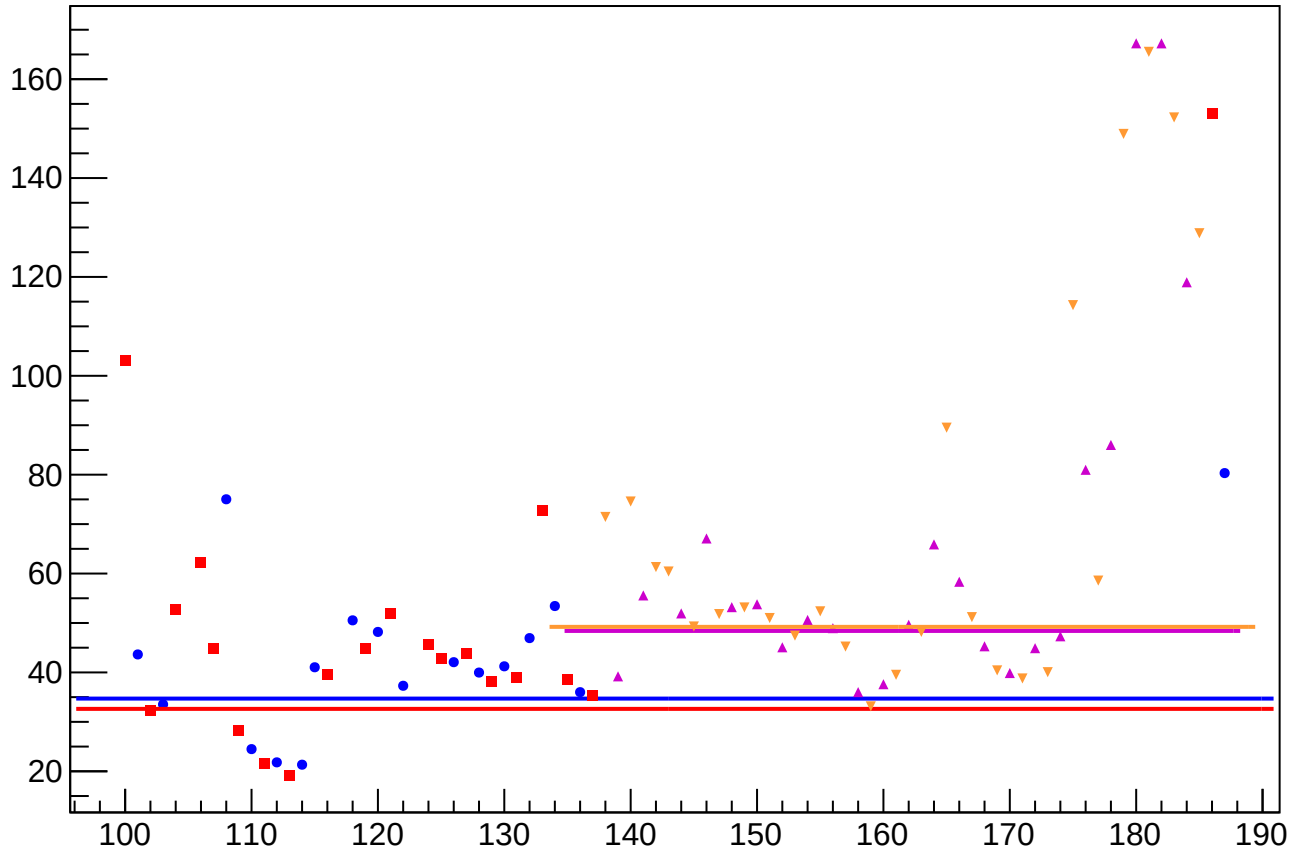
Right Out: 0.020+/-0.013 χ^2/NDF: 14.8/19

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.017+/-0.009 χ^2/NDF: 52.2/41

All: 0.013+/-0.006 χ^2/NDF: 95.0/84

- sign 0.009+/-0.009 χ^2/NDF: 42.3/42



Right In: 34.708+/-0.010 χ^2/NDF: 1284869.9/16

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

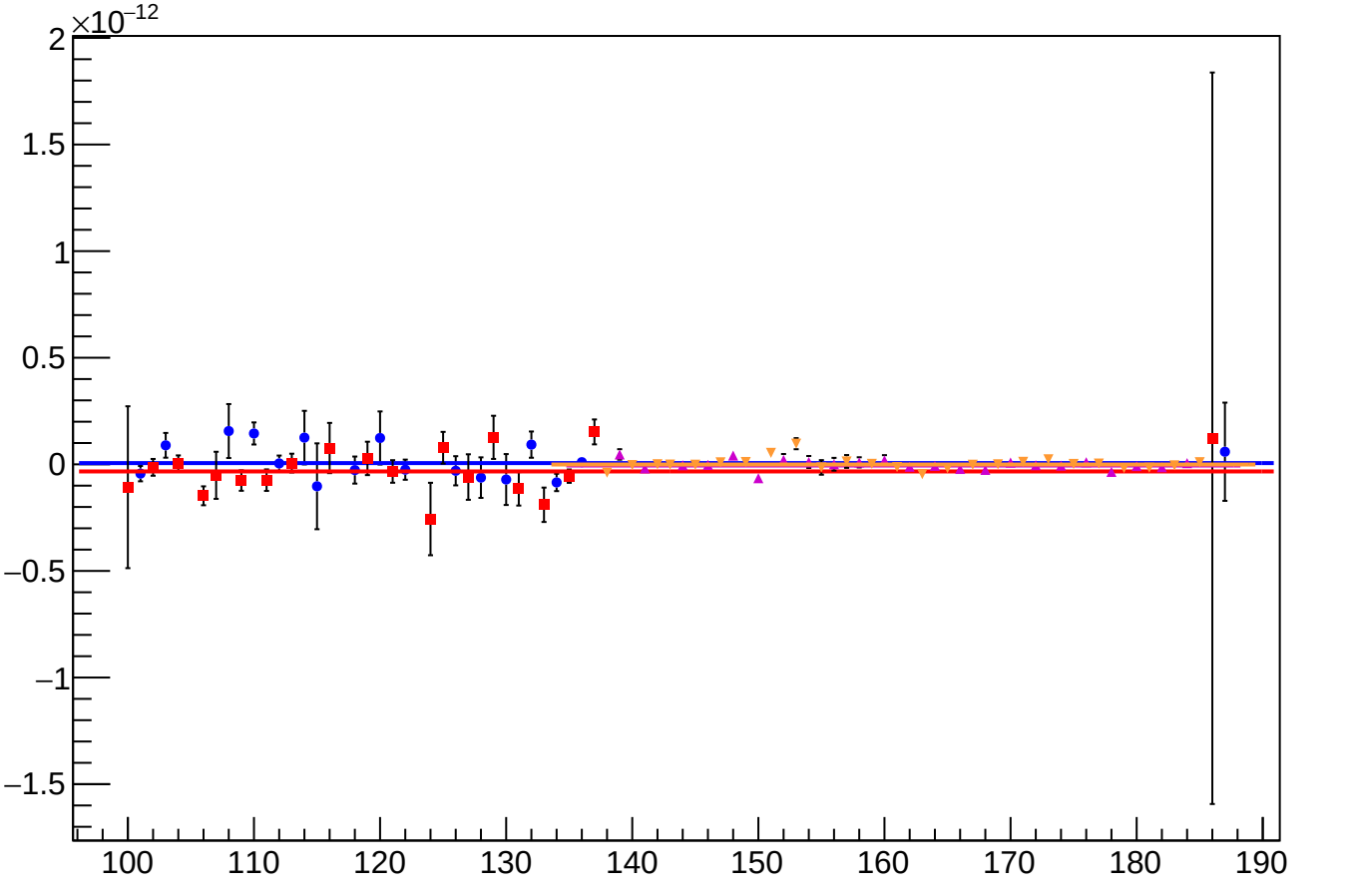
Right Out: 32.626+/-0.009 χ^2/NDF: 2150753.8/19

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 42.823+/-0.007 χ^2/NDF: 6683333.9/41

All: 41.873+/-0.005 χ^2/NDF: 13439977.0/84

- sign 40.963+/-0.006 χ^2/NDF: 6714849.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

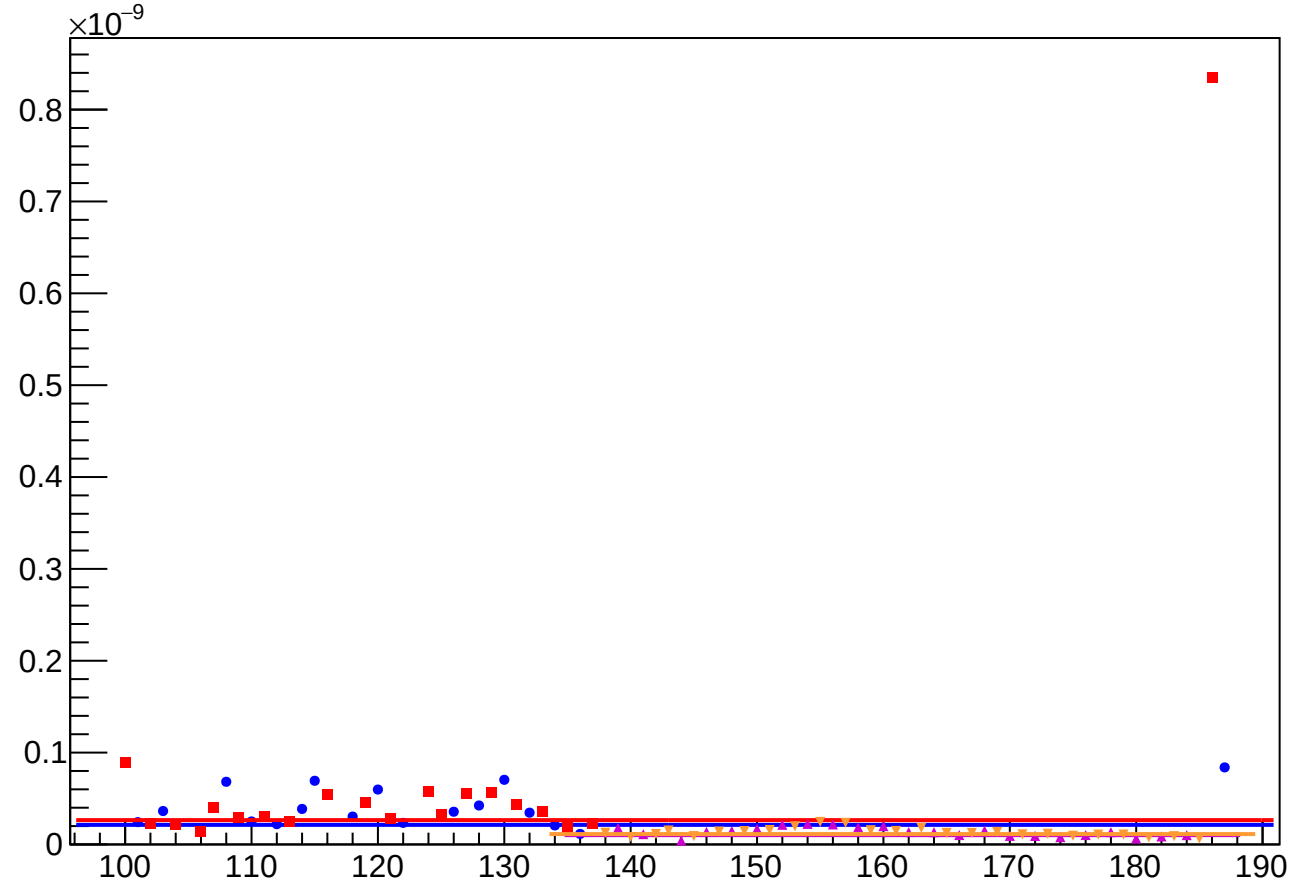
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/19

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.9/41

All: -0.000+/-0.000 χ^2/NDF: 129.4/84

- sign -0.000+/-0.000 χ^2/NDF: 66.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2229178.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1662412.3/19

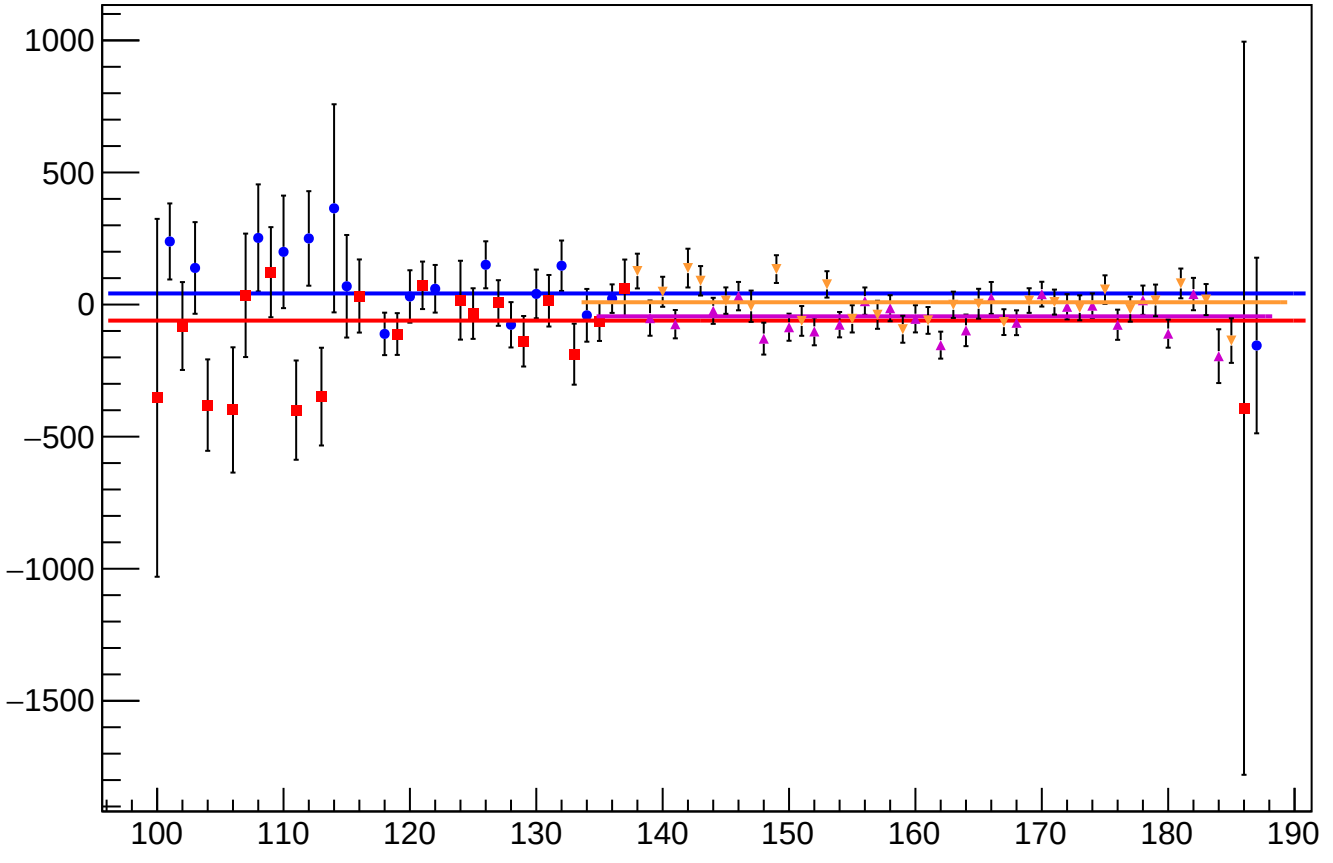
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5866230.0/41

All: 0.000+/-0.000 χ^2/NDF: 14621140.2/84

- sign 0.000+/-0.000 χ^2/NDF: 8653246.8/42

reg_asym_sam_1526_avg_mean vs Slug



Right In: 42.061+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -60.706+/-26.889 χ^2/NDF: 20.5/19

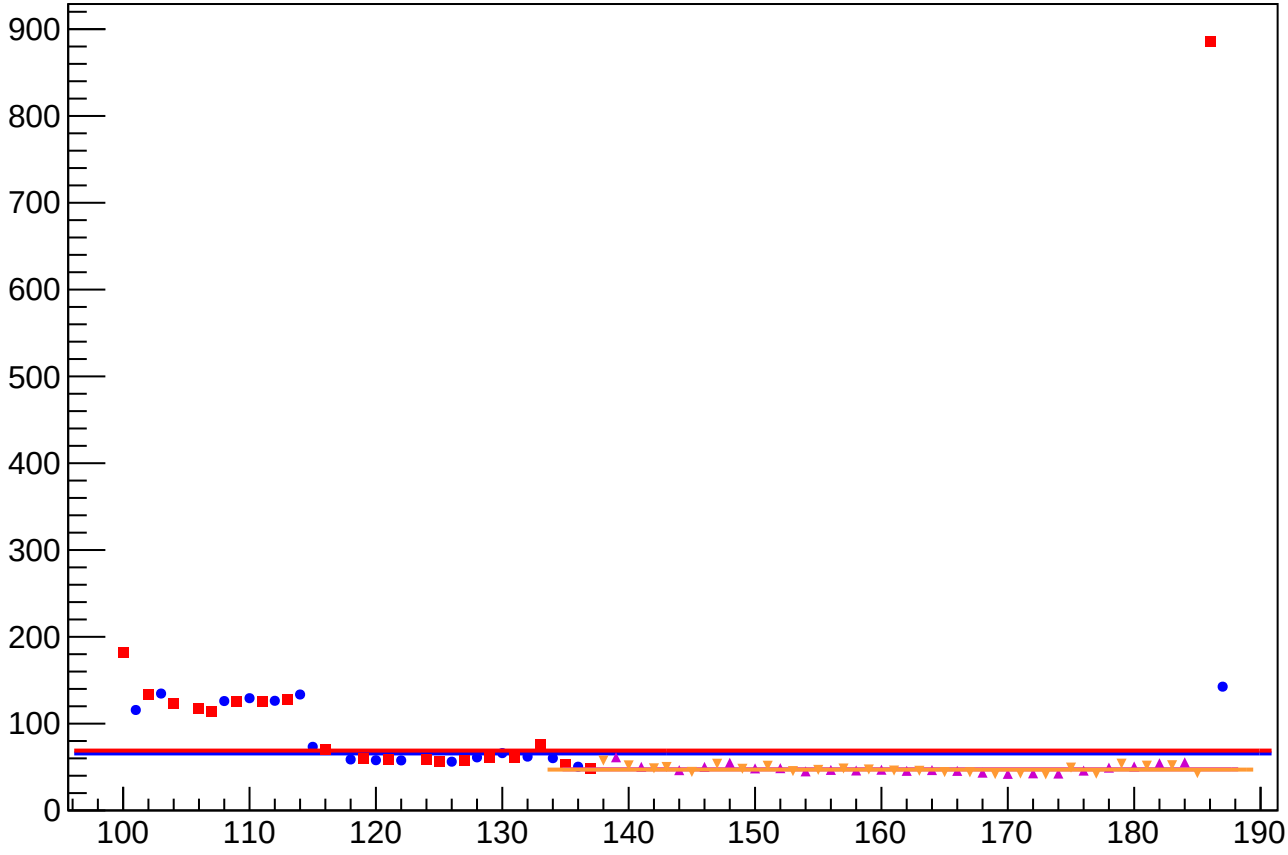
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 13.729+/-9.933 χ^2/NDF: 51.3/41

All: -15.496+/-7.149 χ^2/NDF: 117.1/84

- sign -46.912+/-10.299 χ^2/NDF: 47.8/42

reg_asym_sam_1526_avg_rms vs Slug



Right In: 65.675+/-0.018 χ^2/NDF: 1554258.2/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

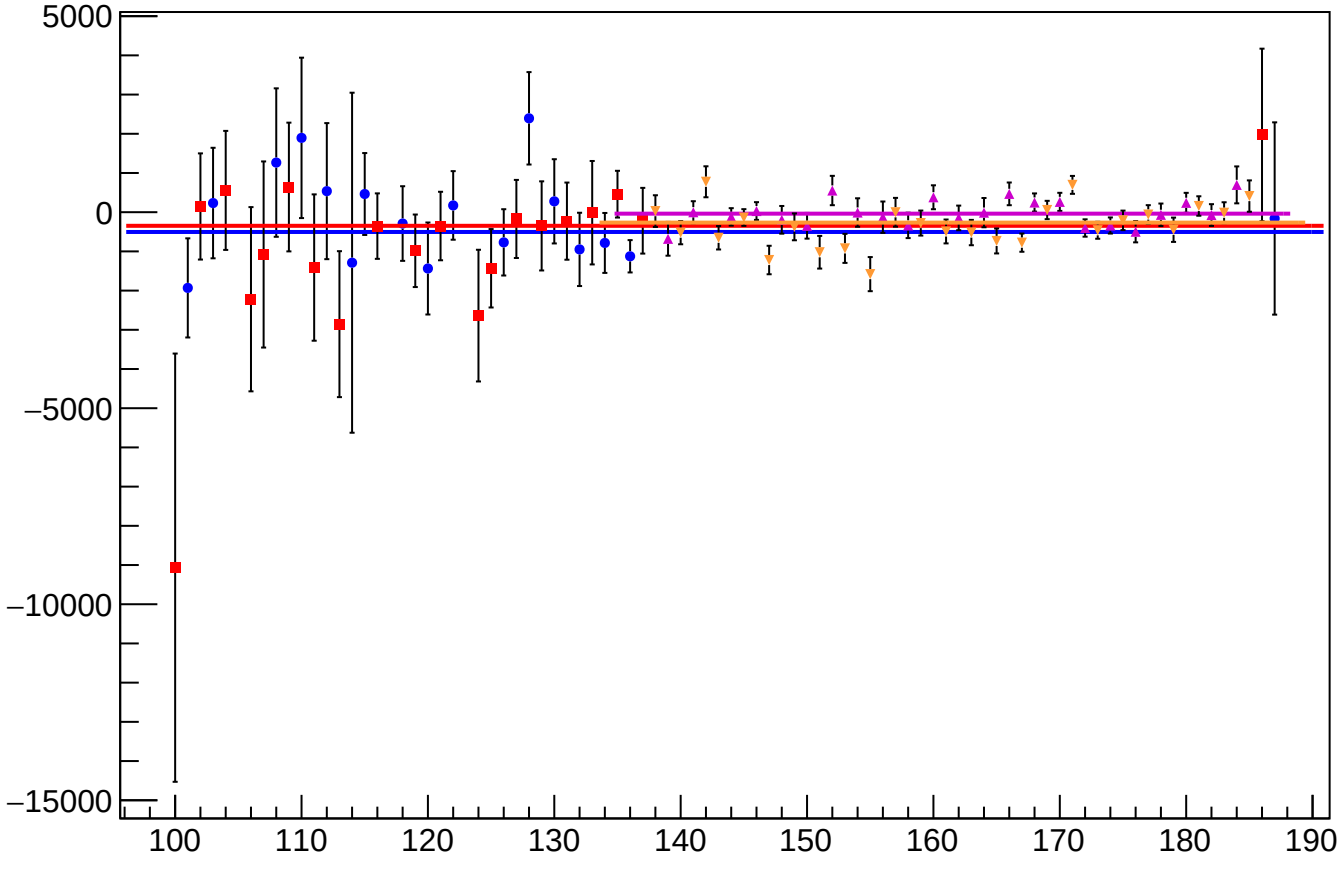
Right Out: 68.963+/-0.019 χ^2/NDF: 2334085.0/19

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.843+/-0.007 χ^2/NDF: 2733818.0/41

All: 50.183+/-0.005 χ^2/NDF: 6442978.7/84

- sign 50.549+/-0.007 χ^2/NDF: 3704297.1/42



Right In: -504.717+/-235.846 χ^2/NDF: 15.6/16

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -347.415+/-254.684 χ^2/NDF: 12.9/19

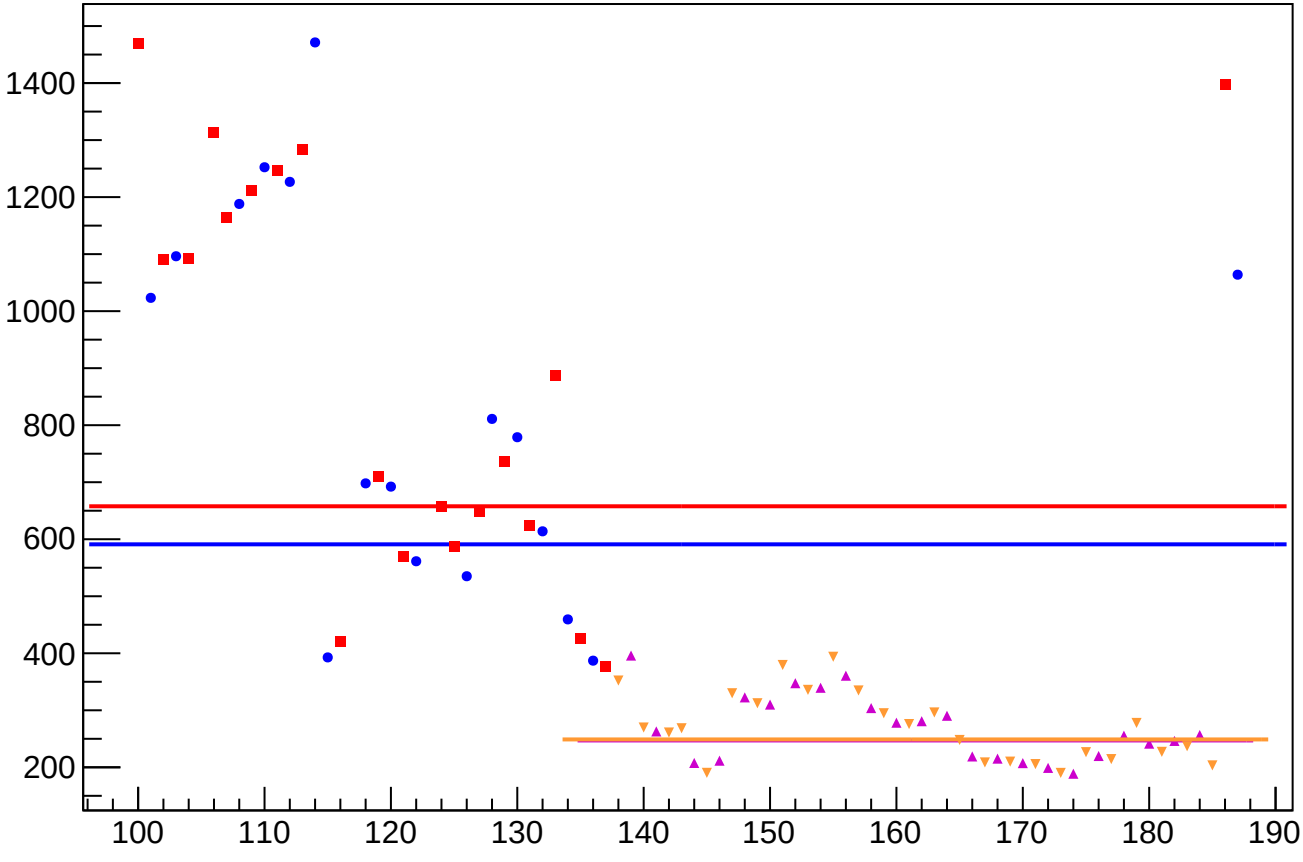
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -279.329+/-56.350 χ^2/NDF: 86.4/41

All: -168.888+/-40.289 χ^2/NDF: 135.1/84

- sign -53.394+/-57.625 χ^2/NDF: 40.9/42

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 591.060+/-0.167 χ^2/NDF: 2128199.7/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 657.790+/-0.180 χ^2/NDF: 2335125.4/19

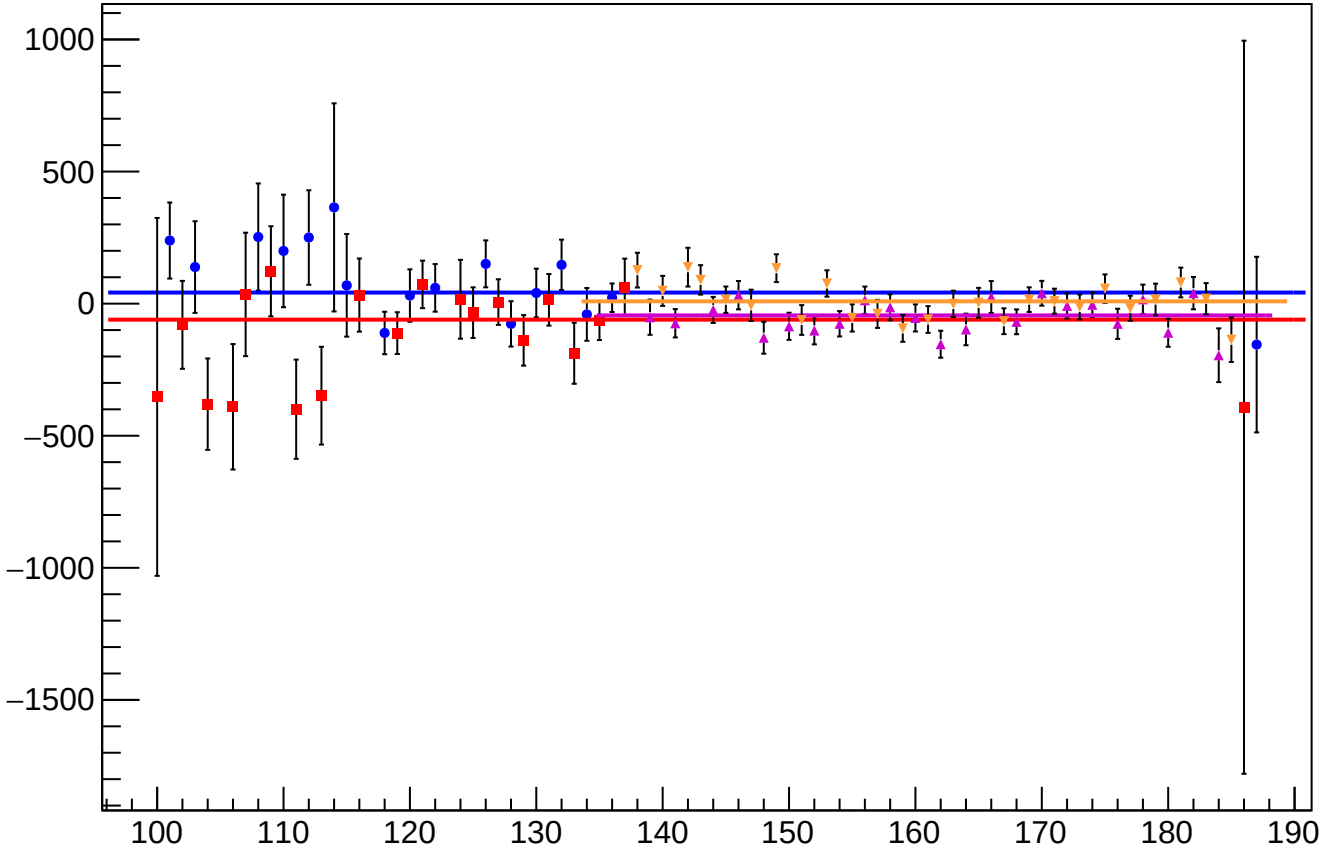
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 268.424+/-0.040 χ^2/NDF: 7761306.4/41

All: 268.282+/-0.028 χ^2/NDF: 16515062.5/84

- sign 268.134+/-0.041 χ^2/NDF: 8753730.1/42

cor_asym_sam_1526_avg_mean vs Slug



Right In: 42.054+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -60.556+/-26.890 χ^2/NDF: 20.4/19

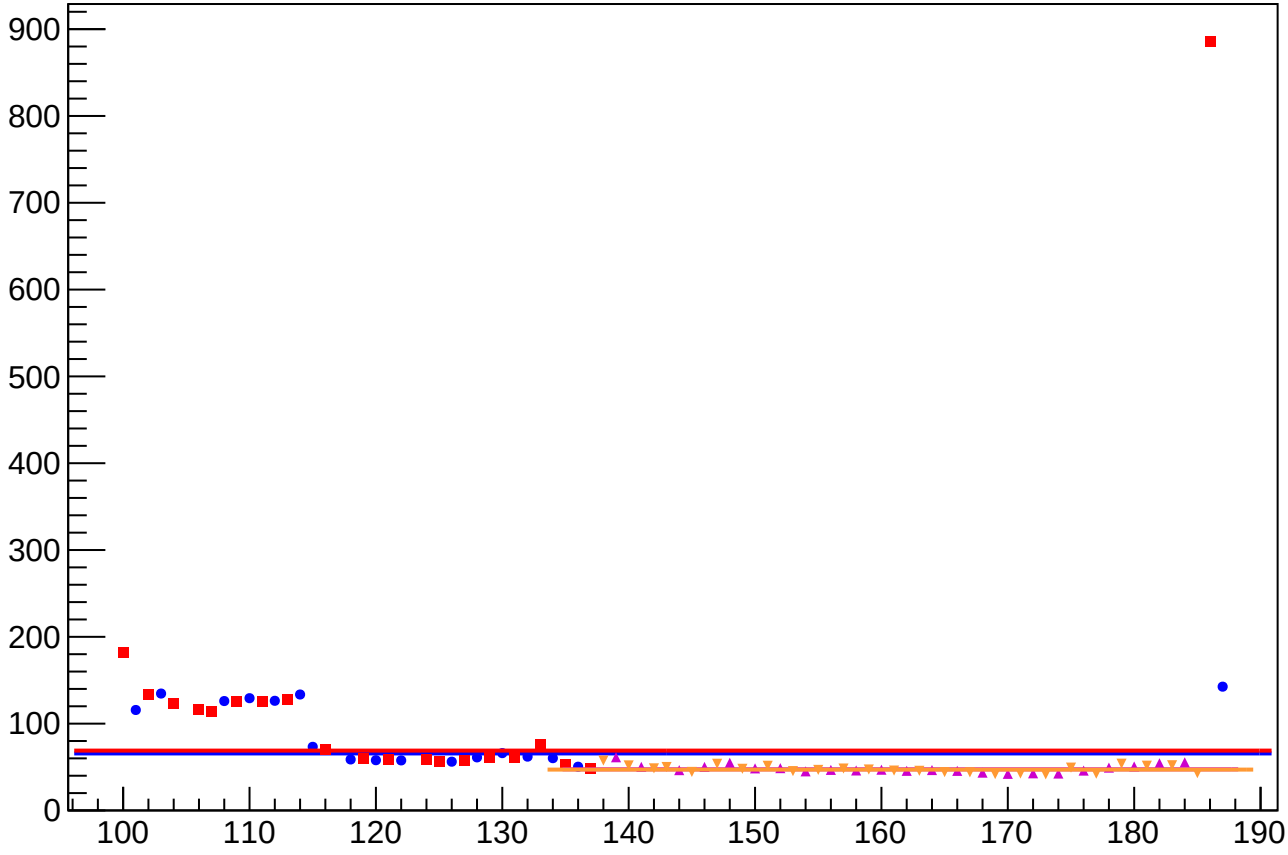
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.730+/-9.933 χ^2/NDF: 51.3/41

All: -15.484+/-7.149 χ^2/NDF: 117.0/84

- sign -46.889+/-10.299 χ^2/NDF: 47.7/42

cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.675+/-0.018 χ^2/NDF: 1554260.5/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

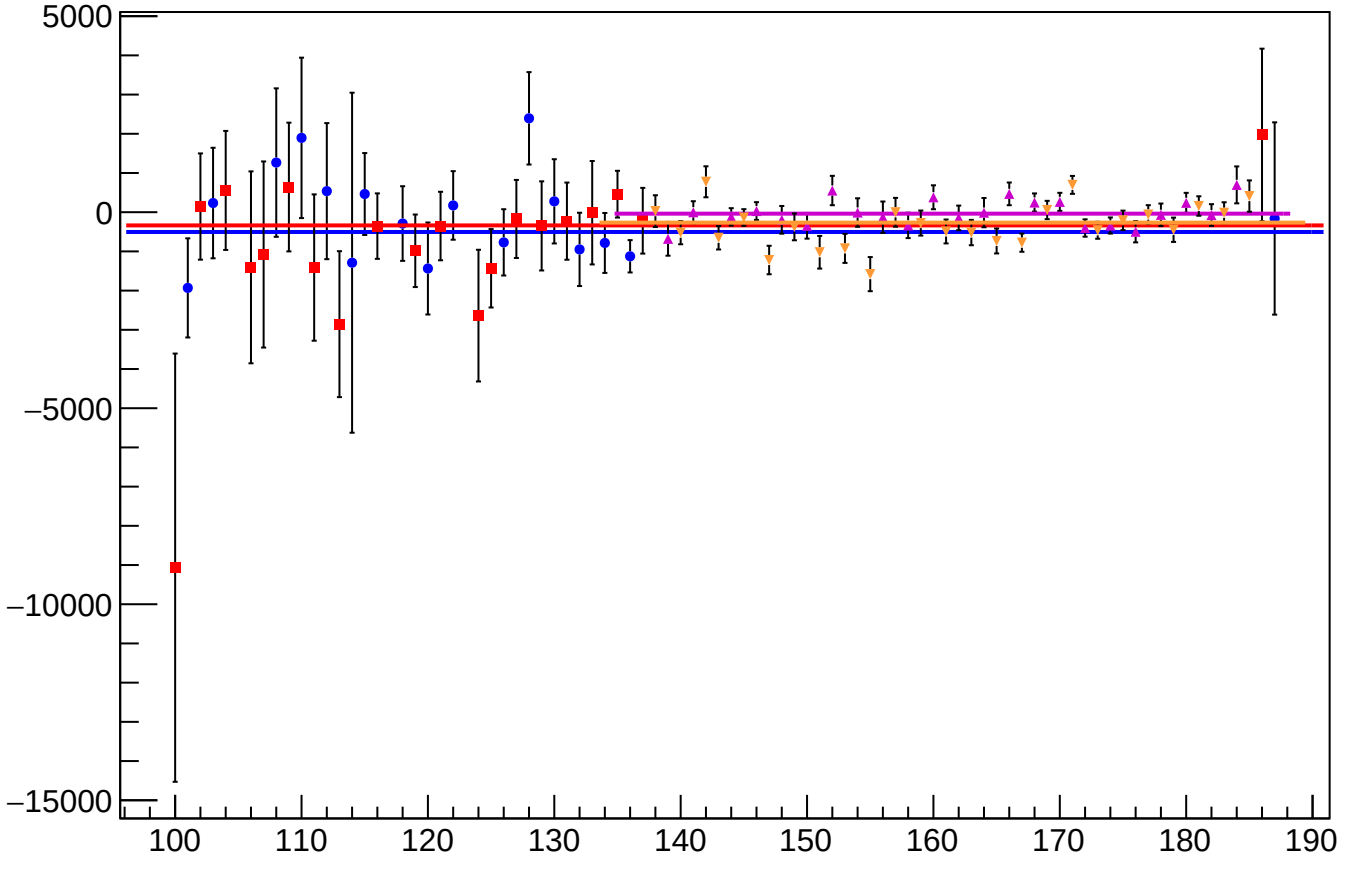
Right Out: 68.949+/-0.019 χ^2/NDF: 2330767.4/19

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.843+/-0.007 χ^2/NDF: 2733820.1/41

All: 50.182+/-0.005 χ^2/NDF: 6438111.5/84

- sign 50.547+/-0.007 χ^2/NDF: 3699459.1/42



Right In: -504.700+/-235.847 χ^2/NDF: 15.7/16

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -336.966+/-254.808 χ^2/NDF: 12.4/19

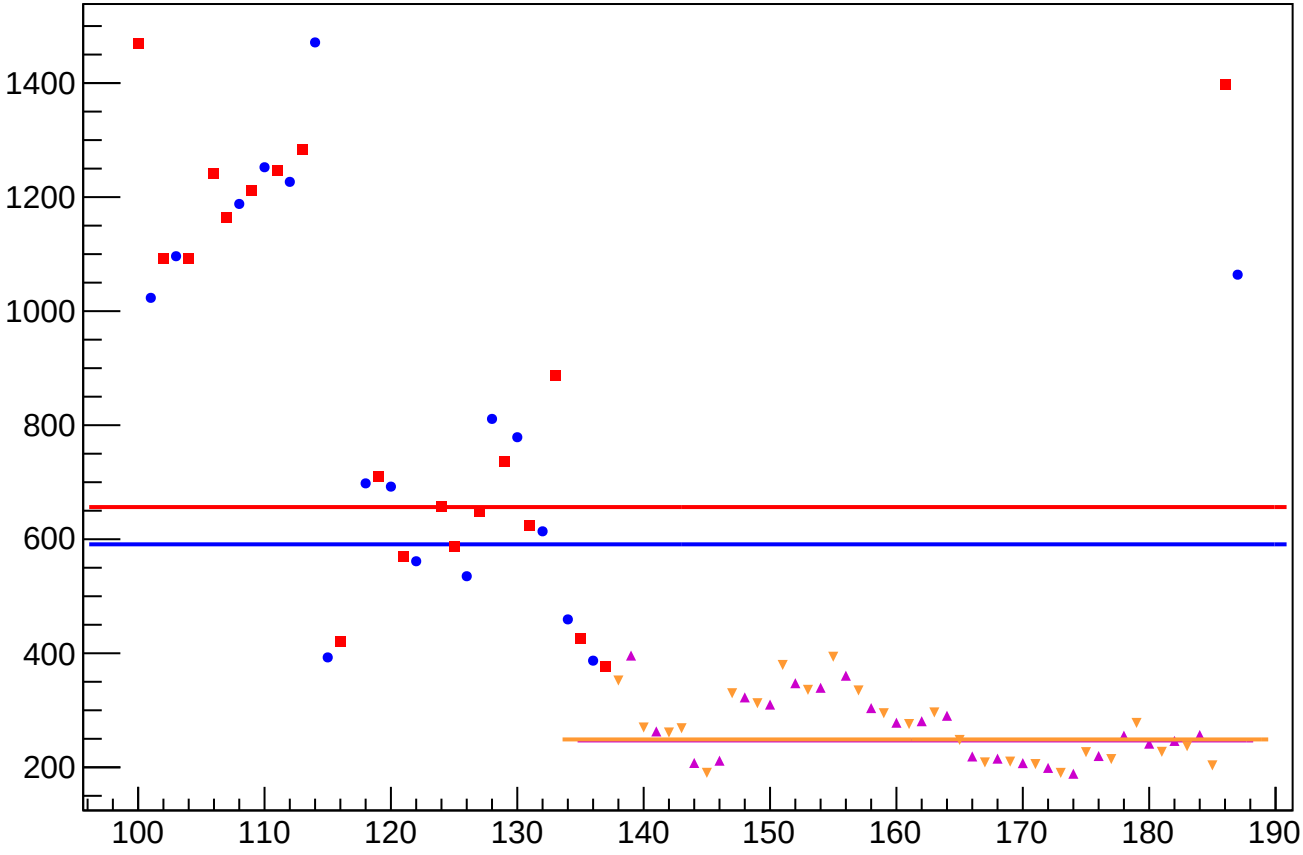
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -279.325+/-56.350 χ^2/NDF: 86.4/41

All: -168.619+/-40.289 χ^2/NDF: 134.6/84

- sign -52.842+/-57.627 χ^2/NDF: 40.3/42

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 591.059+/-0.167 χ^2/NDF: 2128236.0/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 656.410+/-0.180 χ^2/NDF: 2293530.4/19

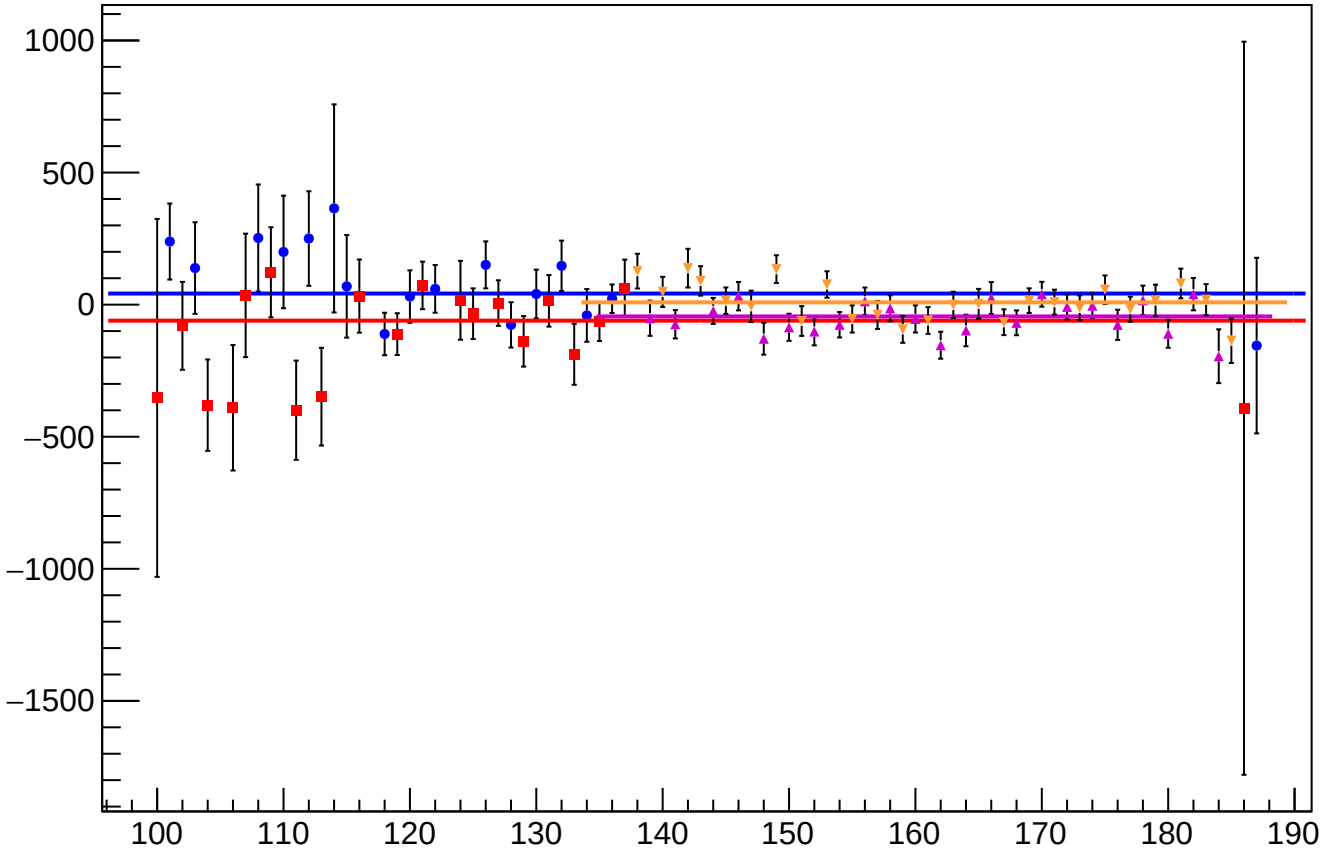
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 268.424+/-0.040 χ^2/NDF: 7761337.8/41

All: 268.238+/-0.028 χ^2/NDF: 16435879.5/84

- sign 268.044+/-0.041 χ^2/NDF: 8674497.1/42

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 42.054+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -60.556+/-26.890 χ^2/NDF: 20.4/19

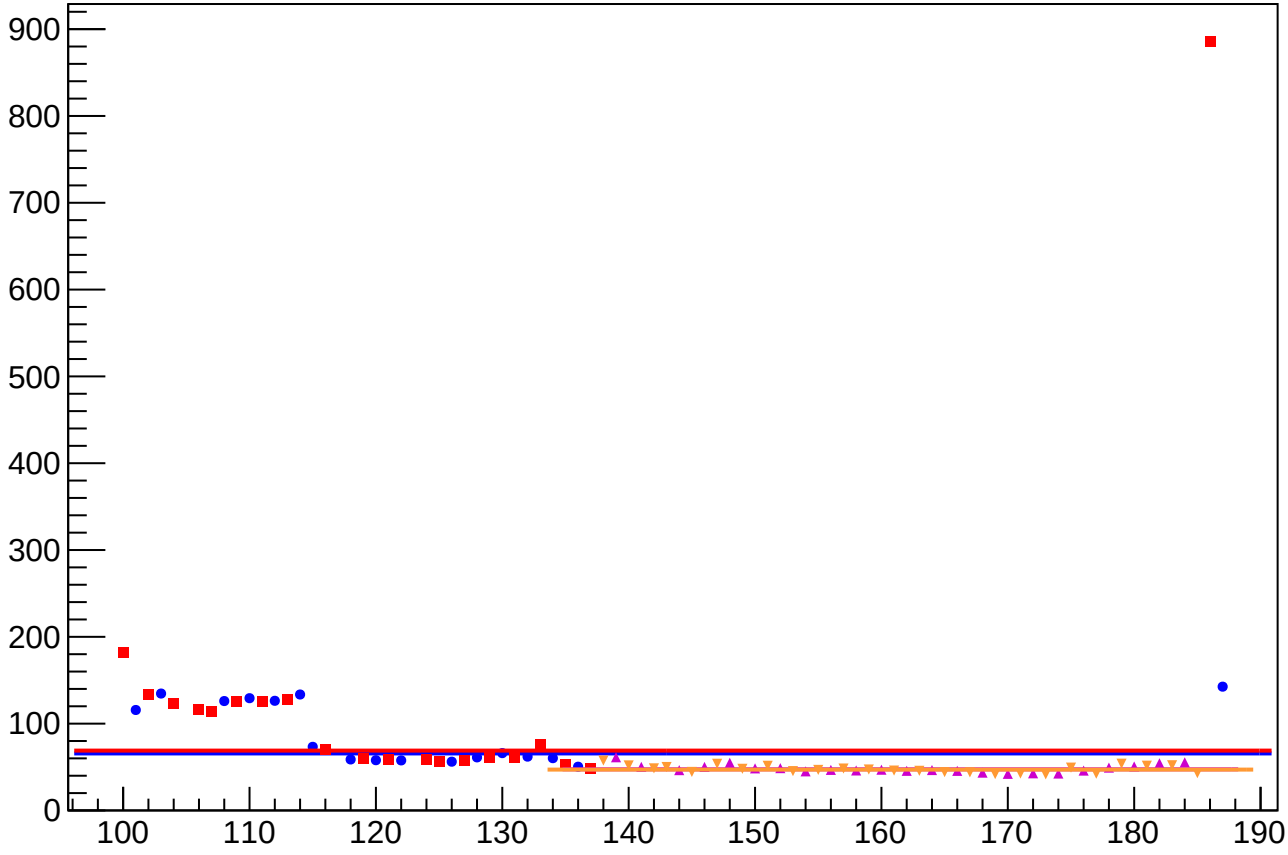
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 13.730+/-9.933 χ^2/NDF: 51.3/41

All: -15.484+/-7.149 χ^2/NDF: 117.0/84

- sign -46.889+/-10.299 χ^2/NDF: 47.7/42

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 65.675+/-0.018 χ^2/NDF: 1554260.5/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

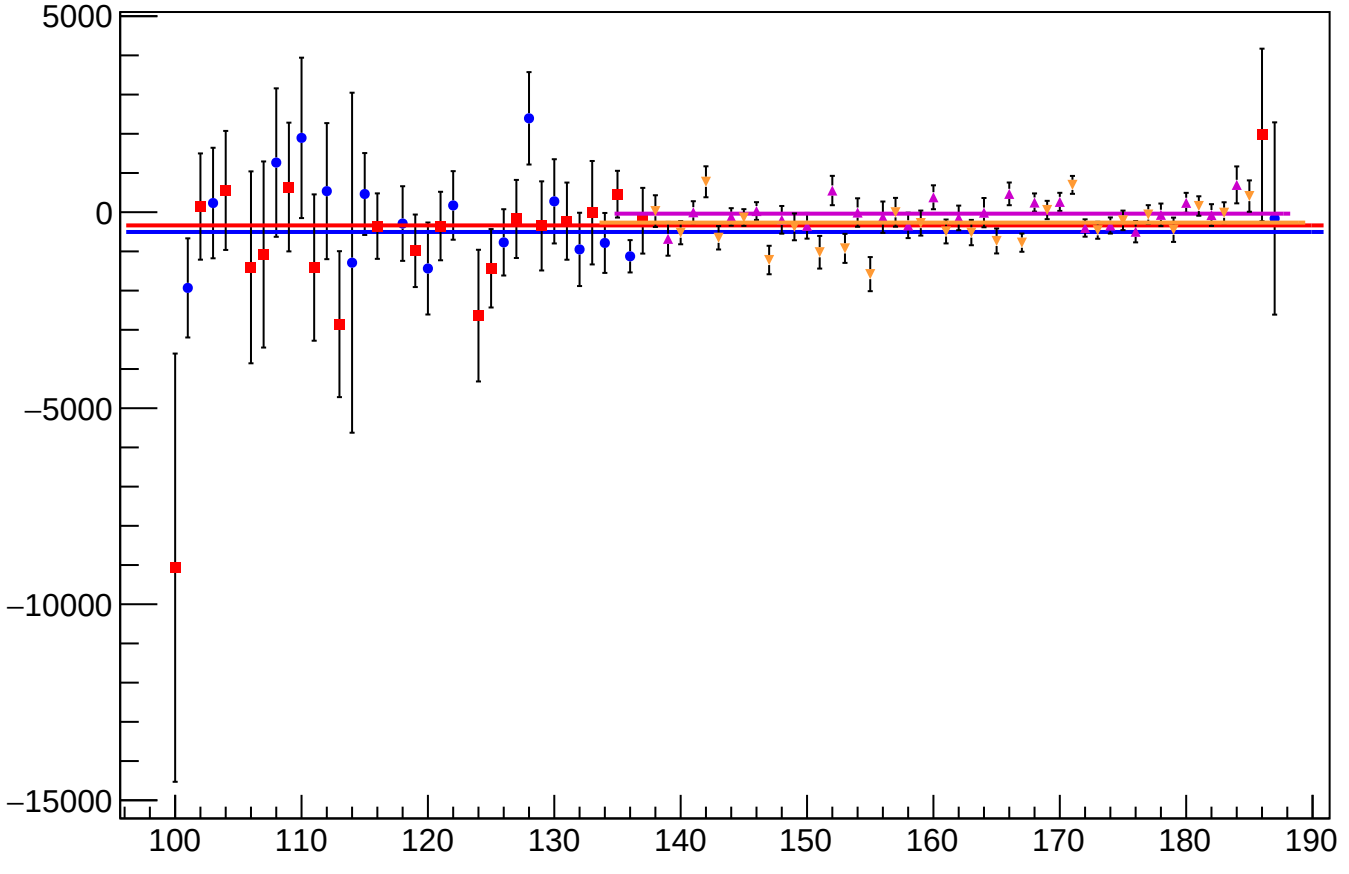
Right Out: 68.949+/-0.019 χ^2/NDF: 2330767.4/19

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 49.843+/-0.007 χ^2/NDF: 2733820.1/41

All: 50.182+/-0.005 χ^2/NDF: 6438111.5/84

- sign 50.547+/-0.007 χ^2/NDF: 3699459.1/42



Right In: -504.700+/-235.847 χ^2/NDF: 15.7/16

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

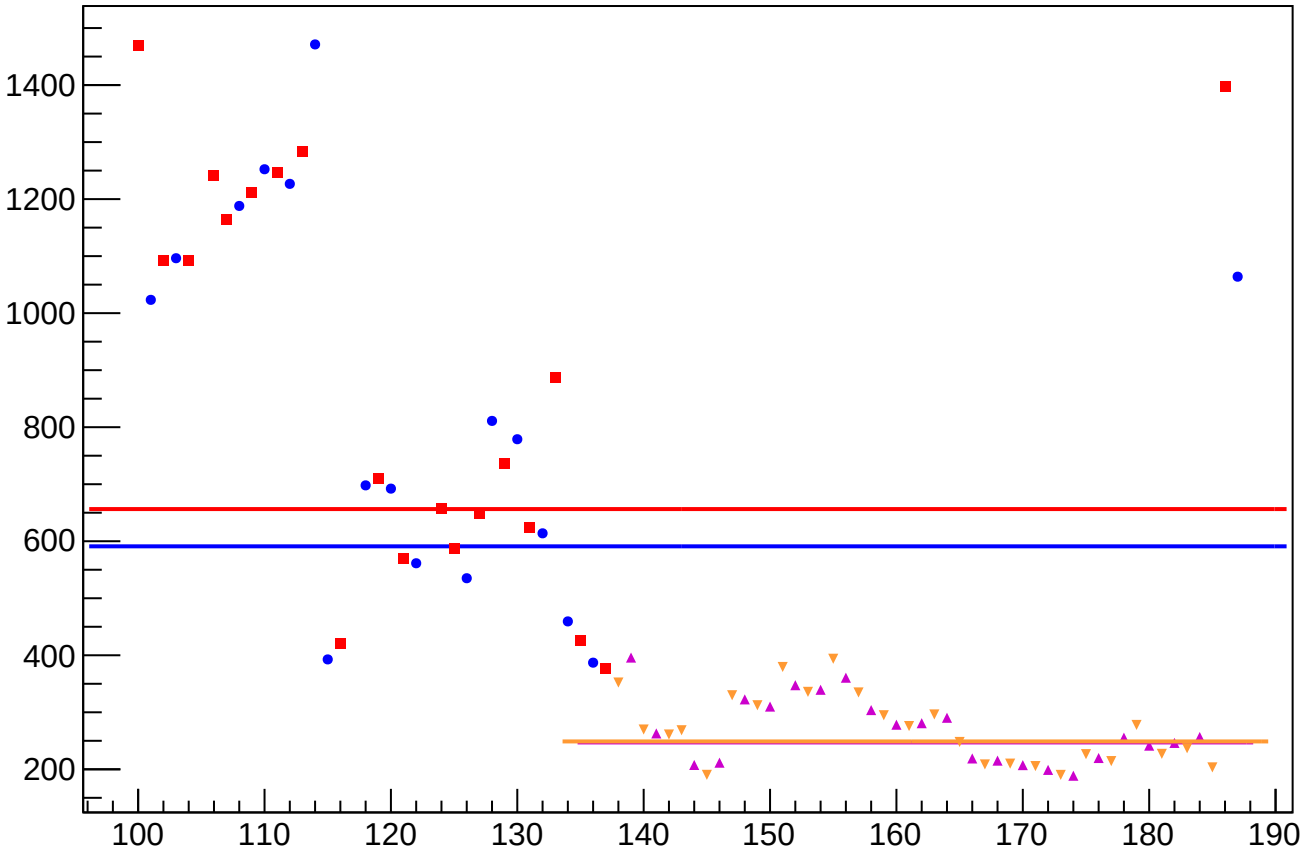
Right Out: -336.966+/-254.808 χ^2/NDF: 12.4/19

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -279.325+/-56.350 χ^2/NDF: 86.4/41

All: -168.619+/-40.289 χ^2/NDF: 134.6/84

- sign -52.842+/-57.627 χ^2/NDF: 40.3/42



Right In: 591.059+/-0.167 χ^2/NDF: 2128236.0/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 656.410+/-0.180 χ^2/NDF: 2293530.4/19

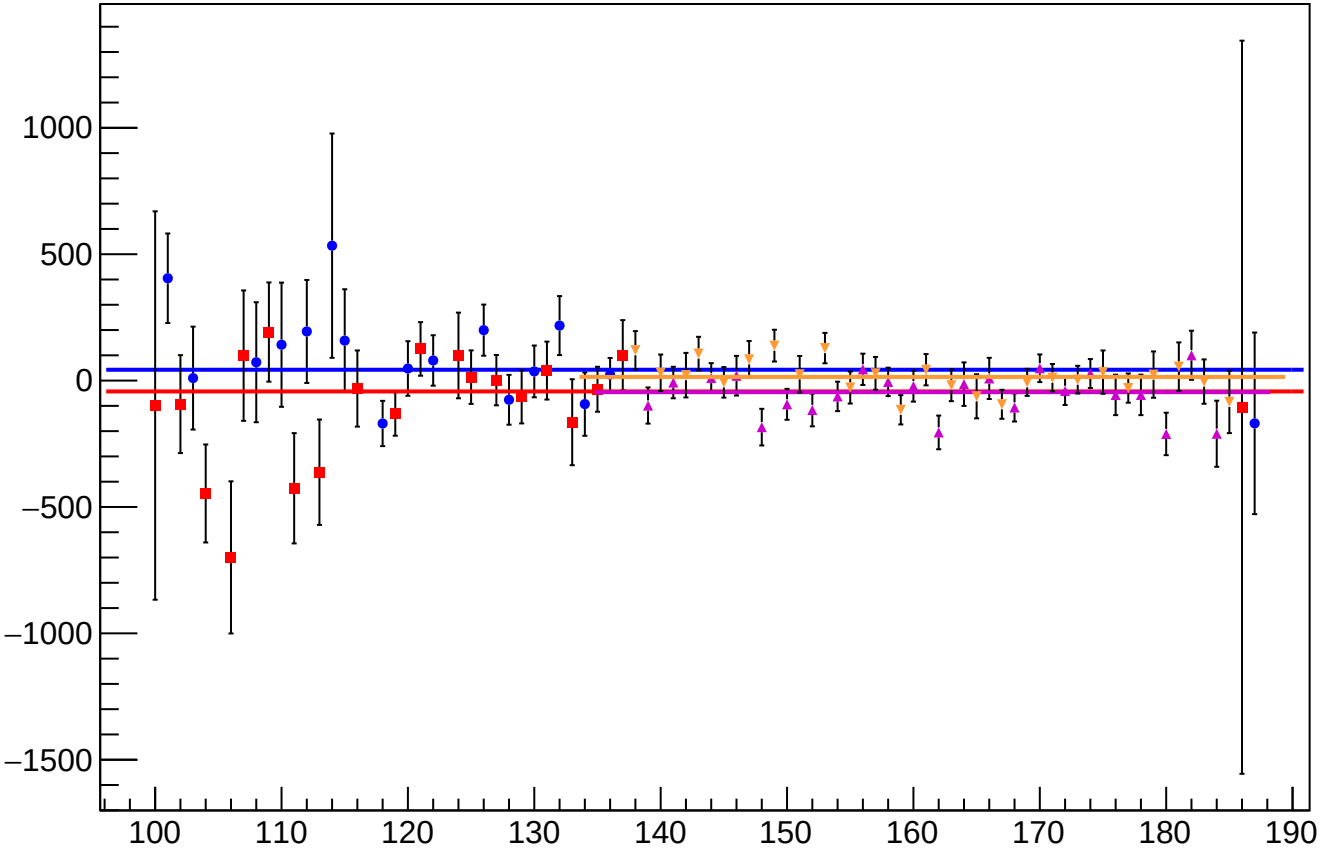
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 268.424+/-0.040 χ^2/NDF: 7761337.8/41

All: 268.238+/-0.028 χ^2/NDF: 16435879.5/84

- sign 268.044+/-0.041 χ^2/NDF: 8674497.1/42

dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.917+/-29.805 χ^2/NDF: 20.0/16

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.930+/-31.241 χ^2/NDF: 23.3/19

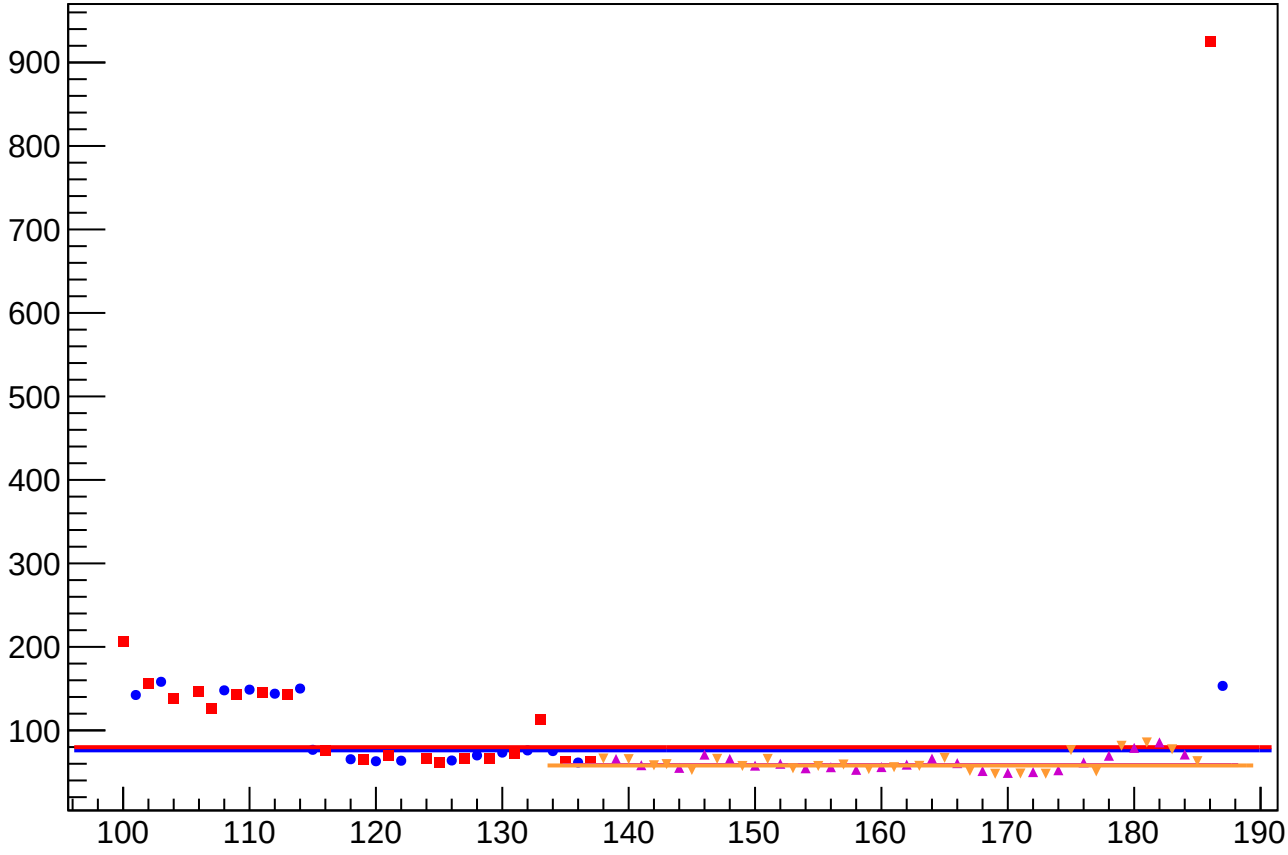
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 19.309+/-12.263 χ^2/NDF: 45.3/41

All: -11.819+/-8.829 χ^2/NDF: 112.7/84

- sign -45.329+/-12.723 χ^2/NDF: 54.0/42

dit_asym_sam_1526_avg_rms vs Slug



Right In: 76.080+/-0.021 χ^2/NDF: 1558546.0/16

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 79.858+/-0.022 χ^2/NDF: 2363324.4/19

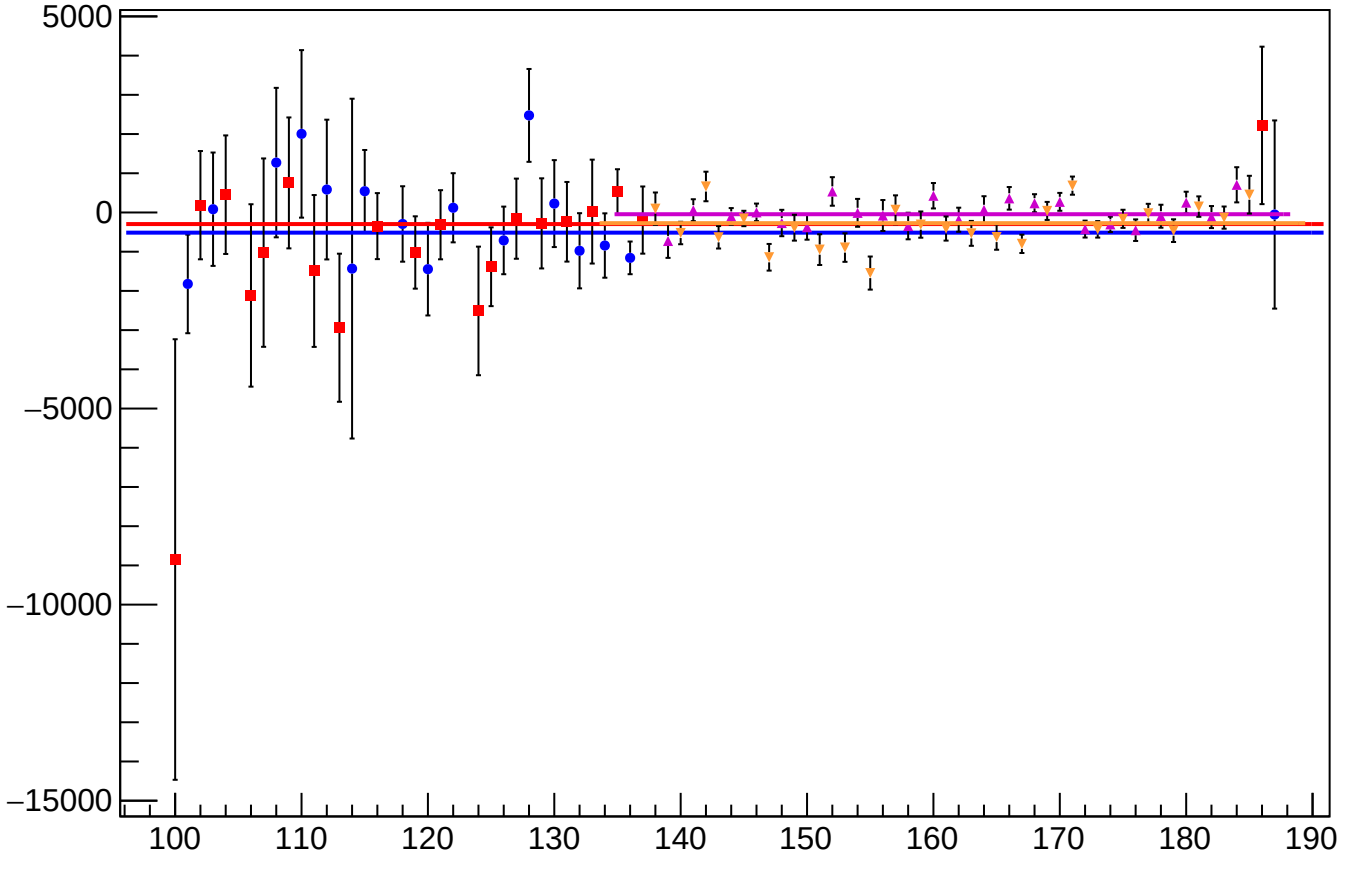
Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 61.032+/-0.009 χ^2/NDF: 3069167.7/41

All: 61.510+/-0.006 χ^2/NDF: 6869969.2/84

- sign 62.025+/-0.009 χ^2/NDF: 3794478.7/42

asym_sam_1526_avg_dit_correction_mean vs Slug



Right In: -514.574+/-240.105 χ^2/NDF: 15.8/16

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -295.622+/-254.547 χ^2/NDF: 13.5/19

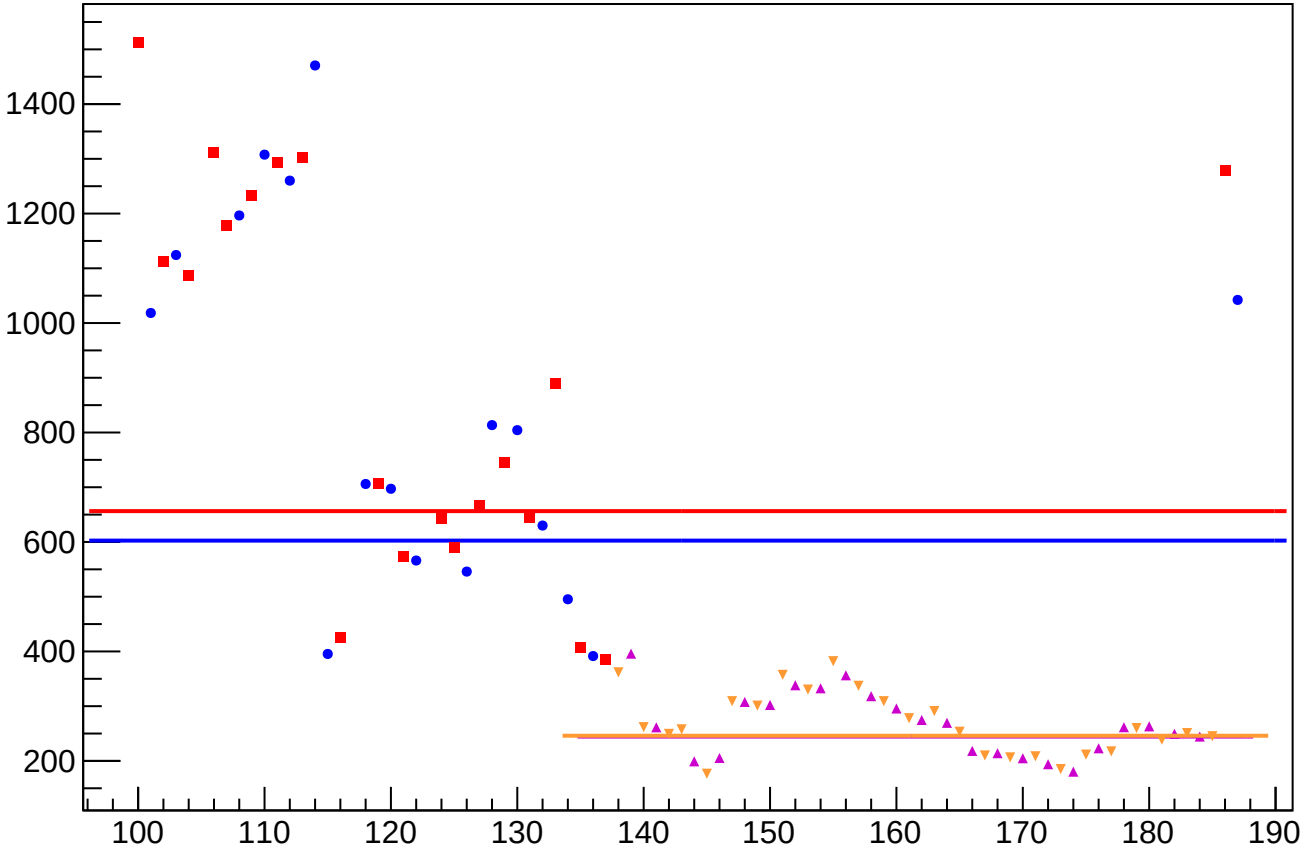
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -285.545+/-55.711 χ^2/NDF: 82.6/41

All: -174.220+/-39.882 χ^2/NDF: 131.7/84

- sign -57.195+/-57.119 χ^2/NDF: 40.9/42

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 602.492+/-0.170 χ^2/NDF: 2115686.6/16

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 656.370+/-0.180 χ^2/NDF: 2401229.1/19

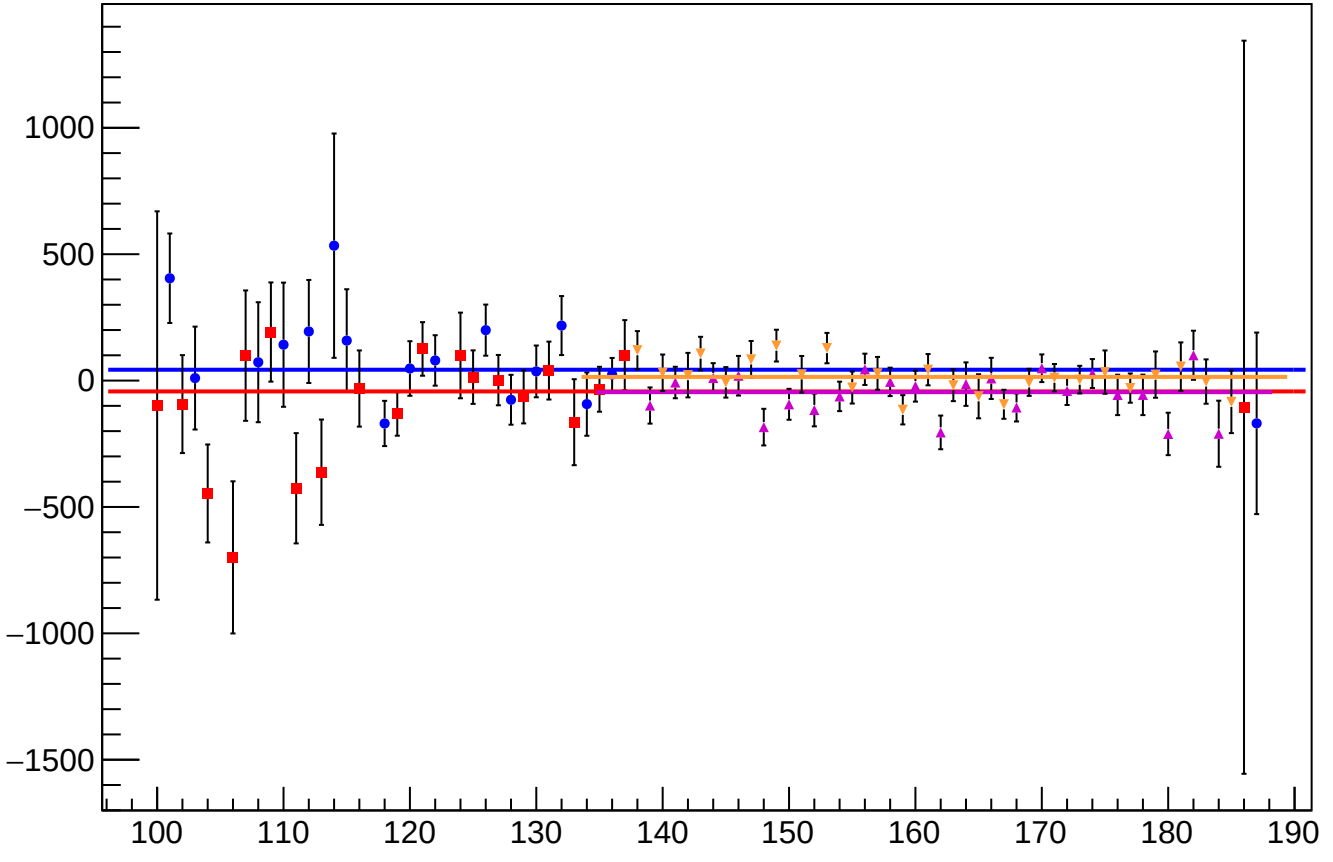
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 265.208+/-0.039 χ^2/NDF: 7967369.1/41

All: 265.200+/-0.028 χ^2/NDF: 16939328.9/84

- sign 265.192+/-0.040 χ^2/NDF: 8971959.7/42

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 42.918+/-29.805 χ^2/NDF: 20.0/16

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -42.929+/-31.241 χ^2/NDF: 23.3/19

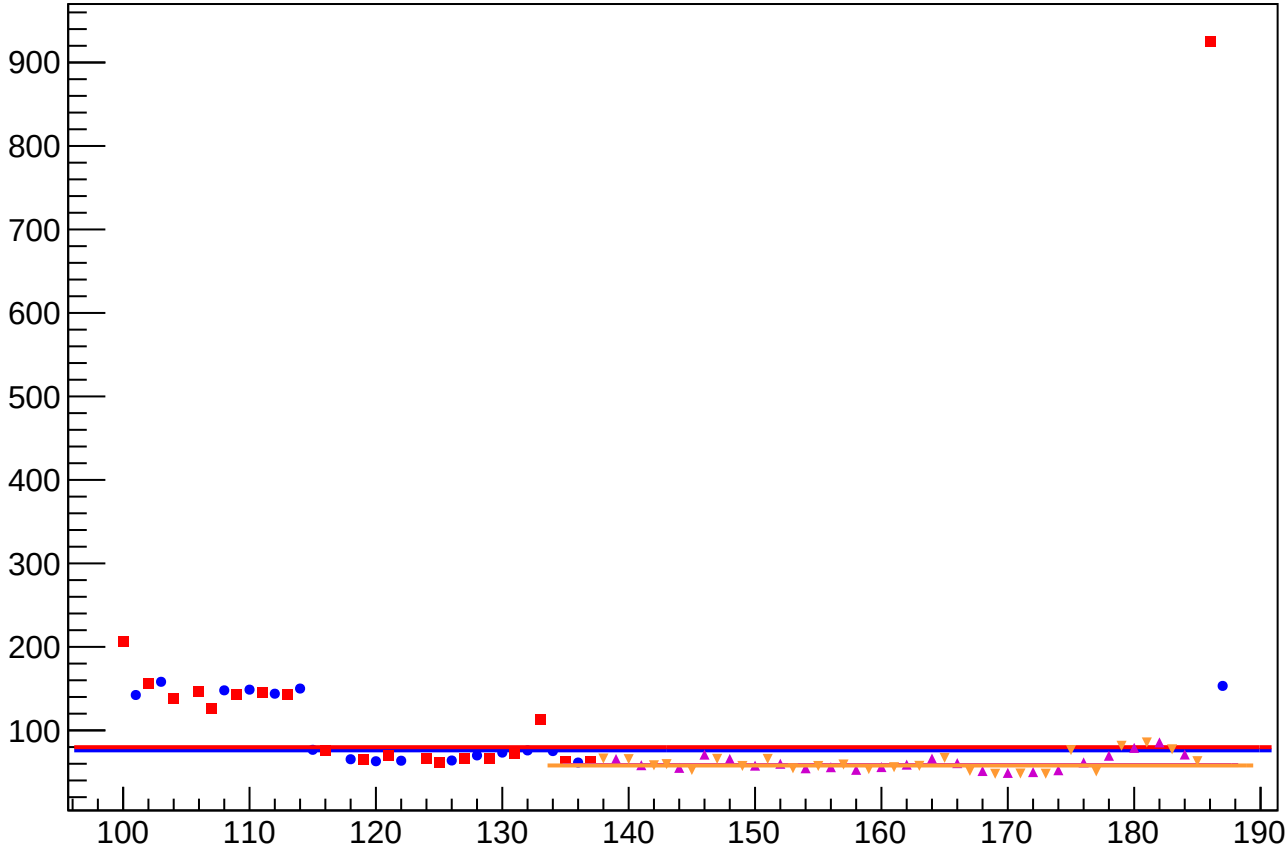
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 19.308+/-12.263 χ^2/NDF: 45.3/41

All: -11.818+/-8.829 χ^2/NDF: 112.7/84

- sign -45.328+/-12.723 χ^2/NDF: 54.0/42

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 76.079+/-0.021 χ^2/NDF: 1558533.0/16

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

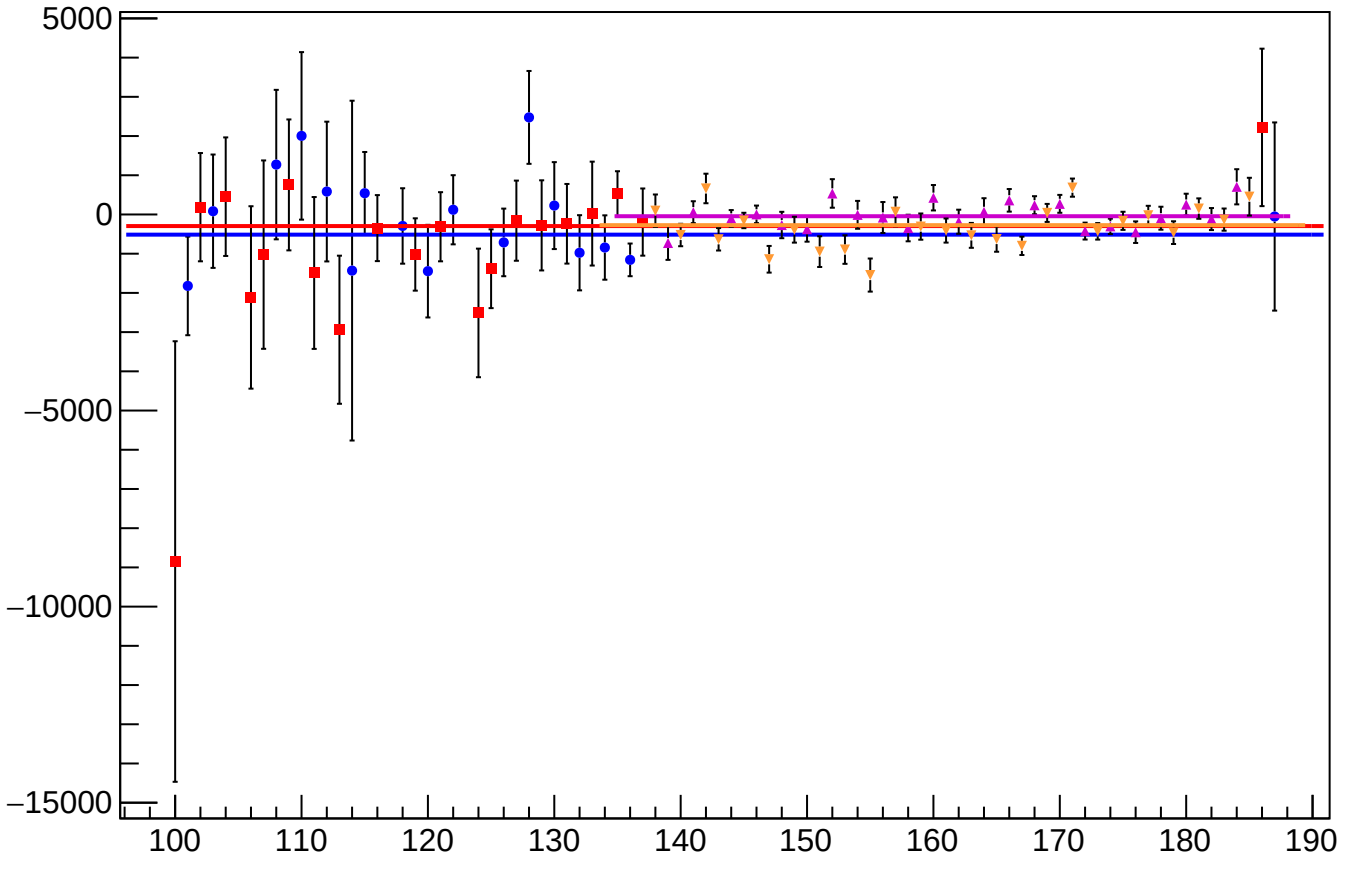
Right Out: 79.858+/-0.022 χ^2/NDF: 2363318.1/19

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 61.032+/-0.009 χ^2/NDF: 3069136.8/41

All: 61.510+/-0.006 χ^2/NDF: 6869895.3/84

- sign 62.025+/-0.009 χ^2/NDF: 3794434.7/42



Right In: -514.572+/-240.105 χ^2/NDF: 15.8/16

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

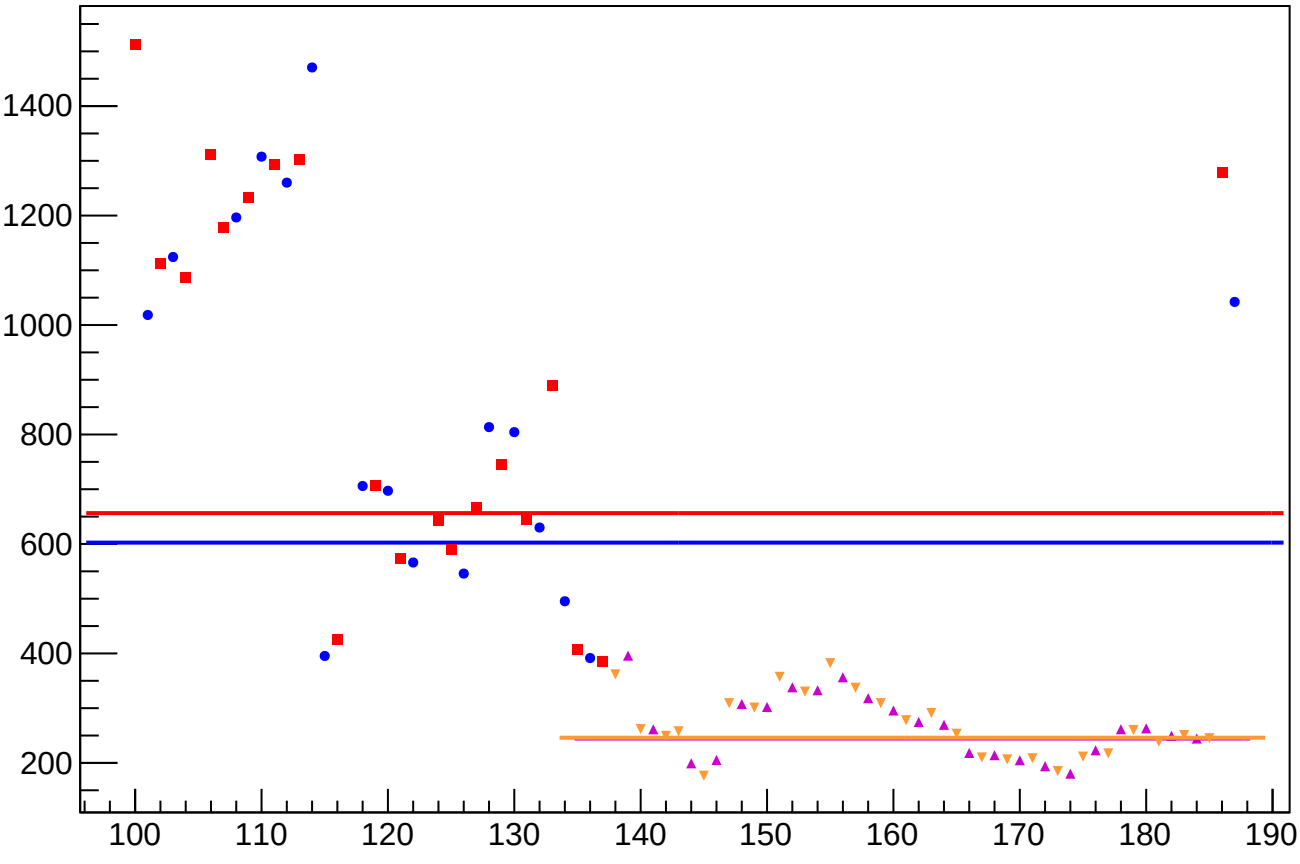
Right Out: -295.622+/-254.546 χ^2/NDF: 13.5/19

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -285.544+/-55.711 χ^2/NDF: 82.6/41

All: -174.219+/-39.882 χ^2/NDF: 131.7/84

- sign -57.195+/-57.119 χ^2/NDF: 40.9/42



Right In: 602.492+/-0.170 χ^2/NDF: 2115668.2/16

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 656.370+/-0.180 χ^2/NDF: 2401210.0/19

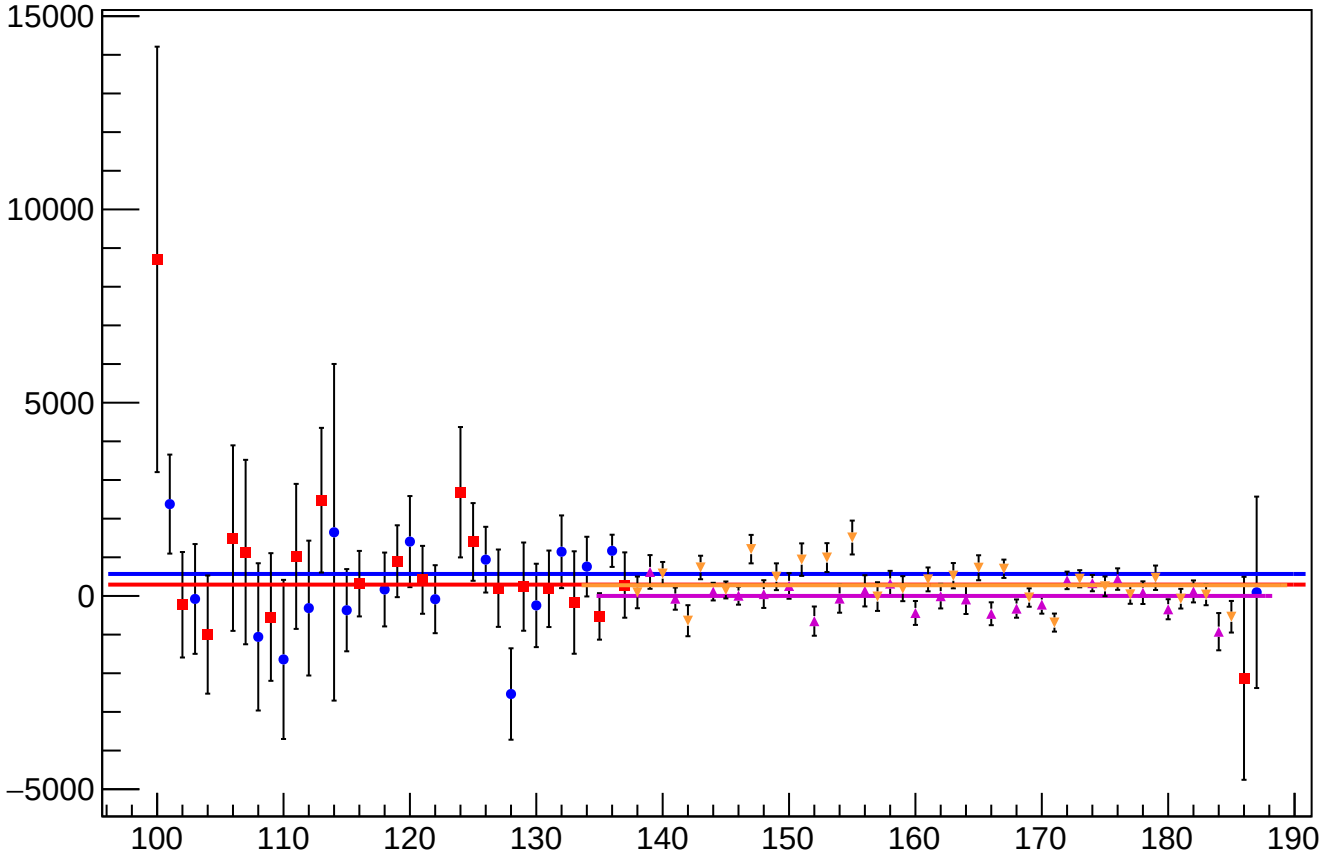
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 265.208+/-0.039 χ^2/NDF: 7967362.7/41

All: 265.200+/-0.028 χ^2/NDF: 16939301.7/84

- sign 265.191+/-0.040 χ^2/NDF: 8971938.9/42

asym_sam_1526_avg_mean vs Slug



Right In: 568.952+/-237.817 χ^2/NDF: 16.6/16

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 293.381+/-256.999 χ^2/NDF: 11.9/19

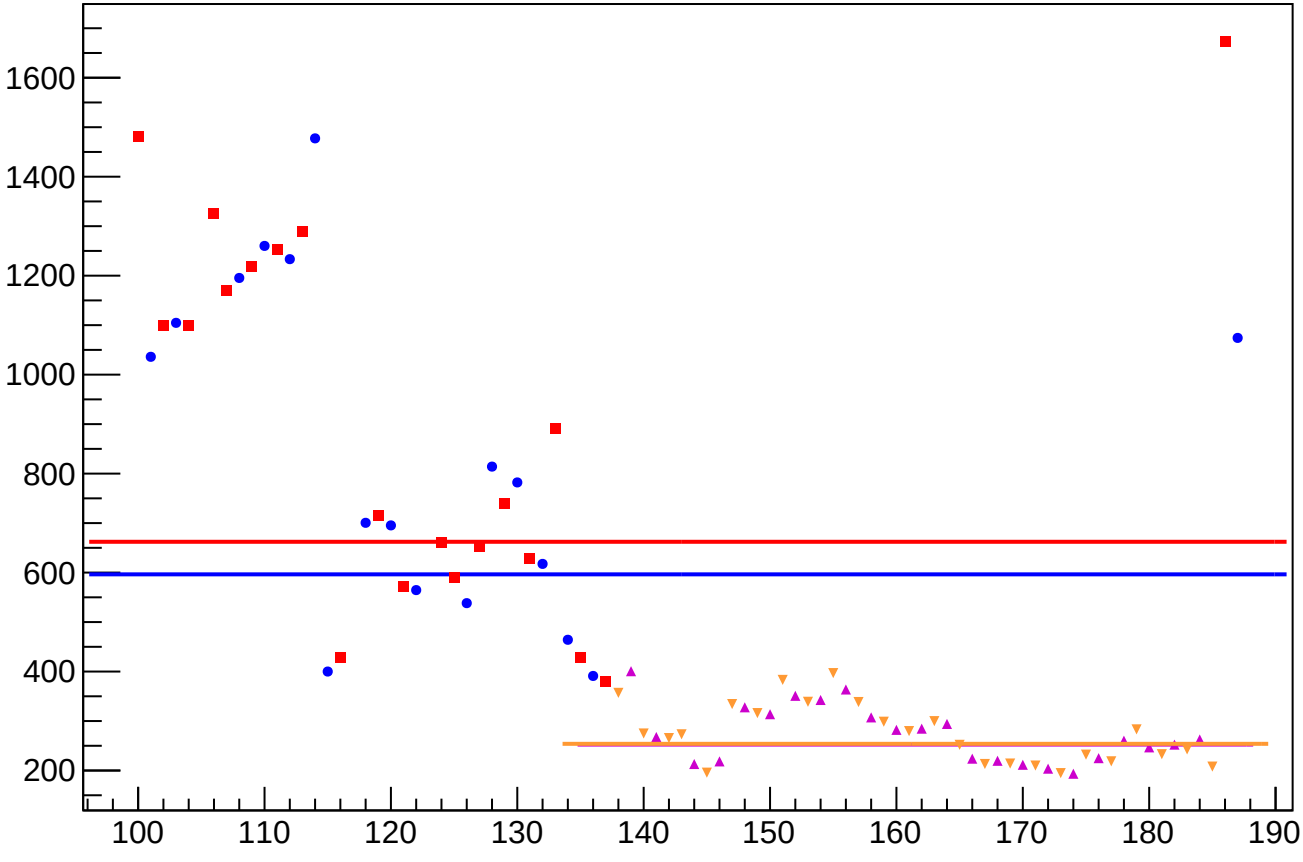
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 294.080+/-57.400 χ^2/NDF: 82.1/41

All: 158.223+/-41.059 χ^2/NDF: 134.8/84

- sign 15.862+/-58.758 χ^2/NDF: 41.2/42

asym_sam_1526_avg_rms vs Slug



Right In: 596.422+/-0.168 χ^2/NDF: 2110853.0/16

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

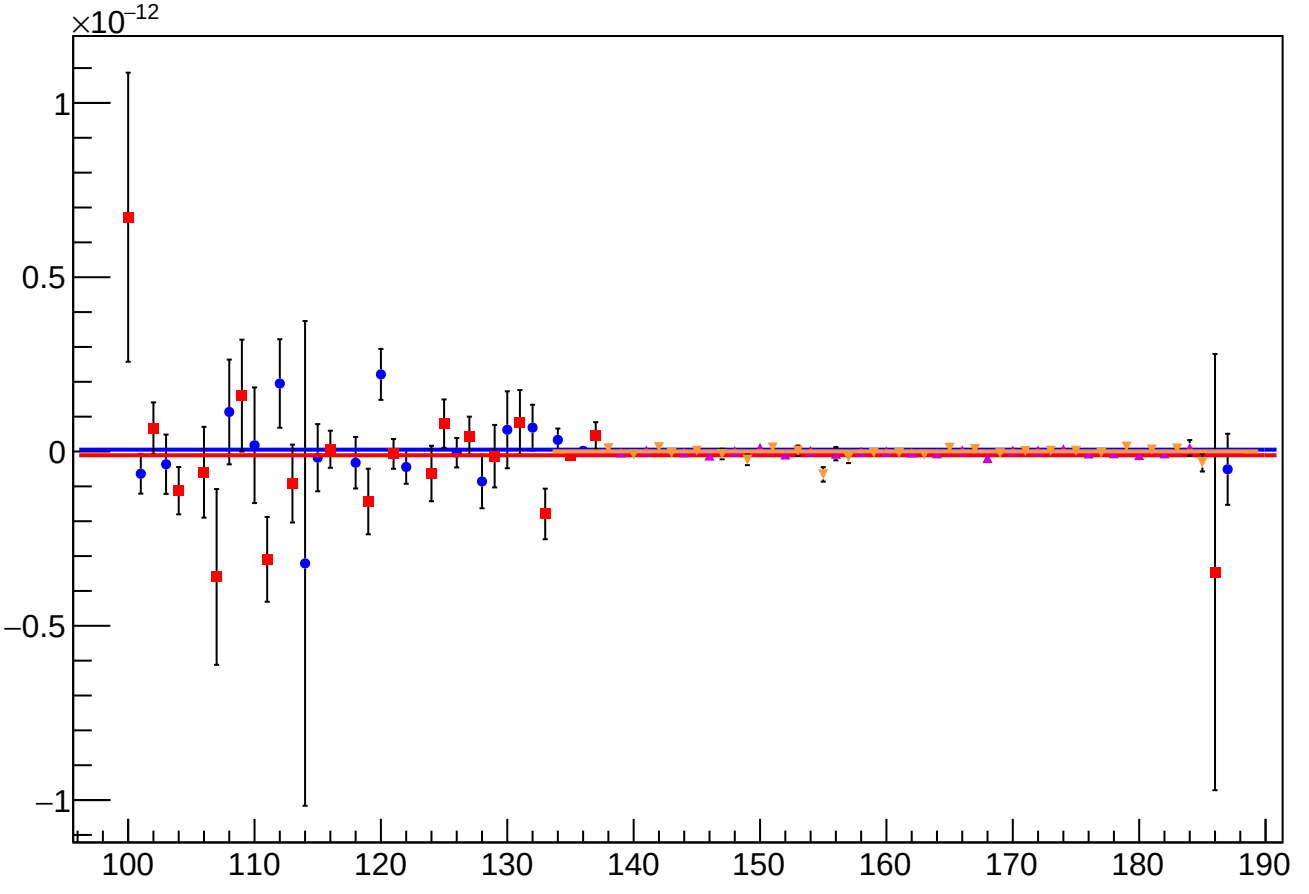
Right Out: 662.236+/-0.182 χ^2/NDF: 2389242.9/19

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 273.904+/-0.041 χ^2/NDF: 7607493.1/41

All: 273.860+/-0.029 χ^2/NDF: 16229436.0/84

- sign 273.813+/-0.042 χ^2/NDF: 8621940.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/19

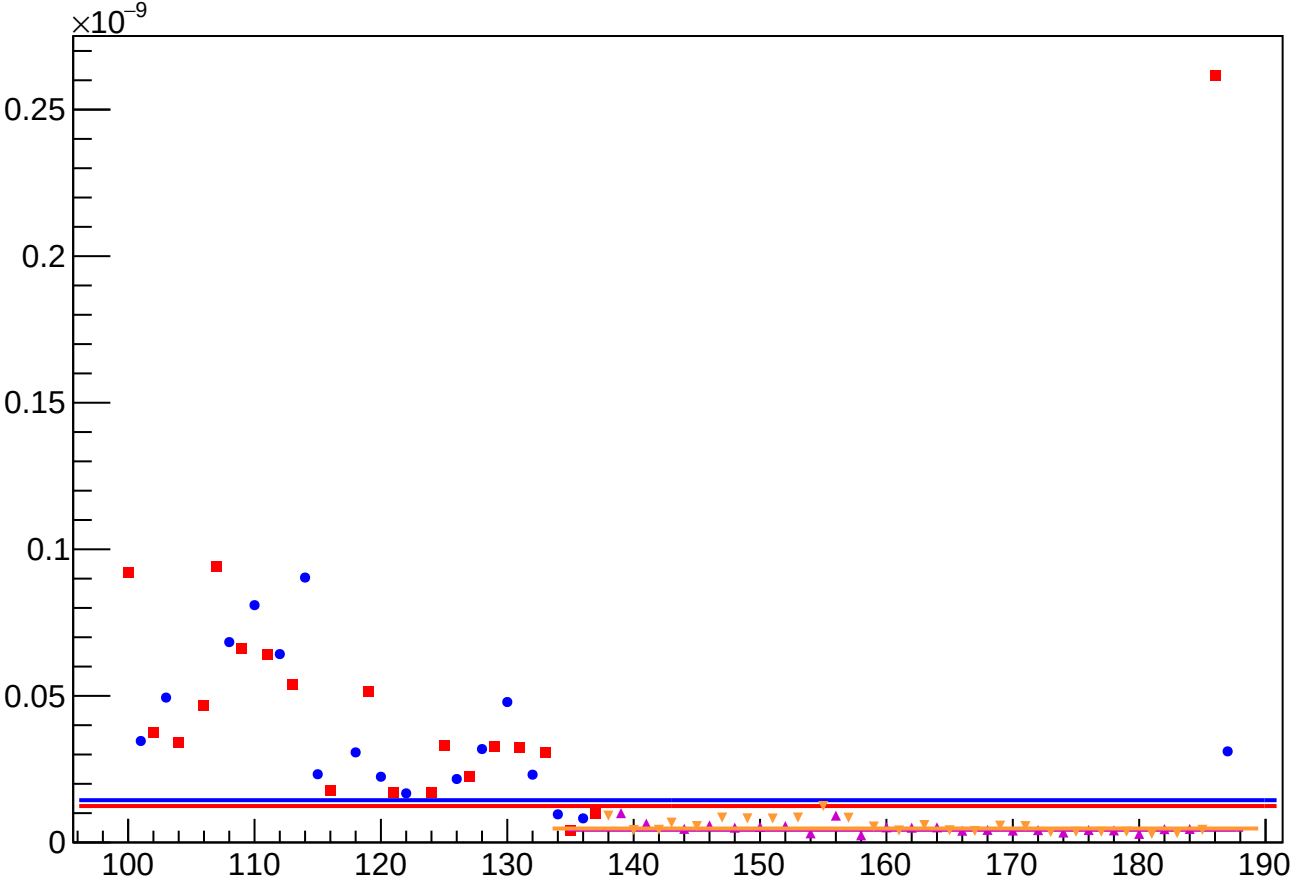
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/41

All: -0.000+/-0.000 χ^2/NDF: 91.1/84

- sign -0.000+/-0.000 χ^2/NDF: 44.4/42

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2547450.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

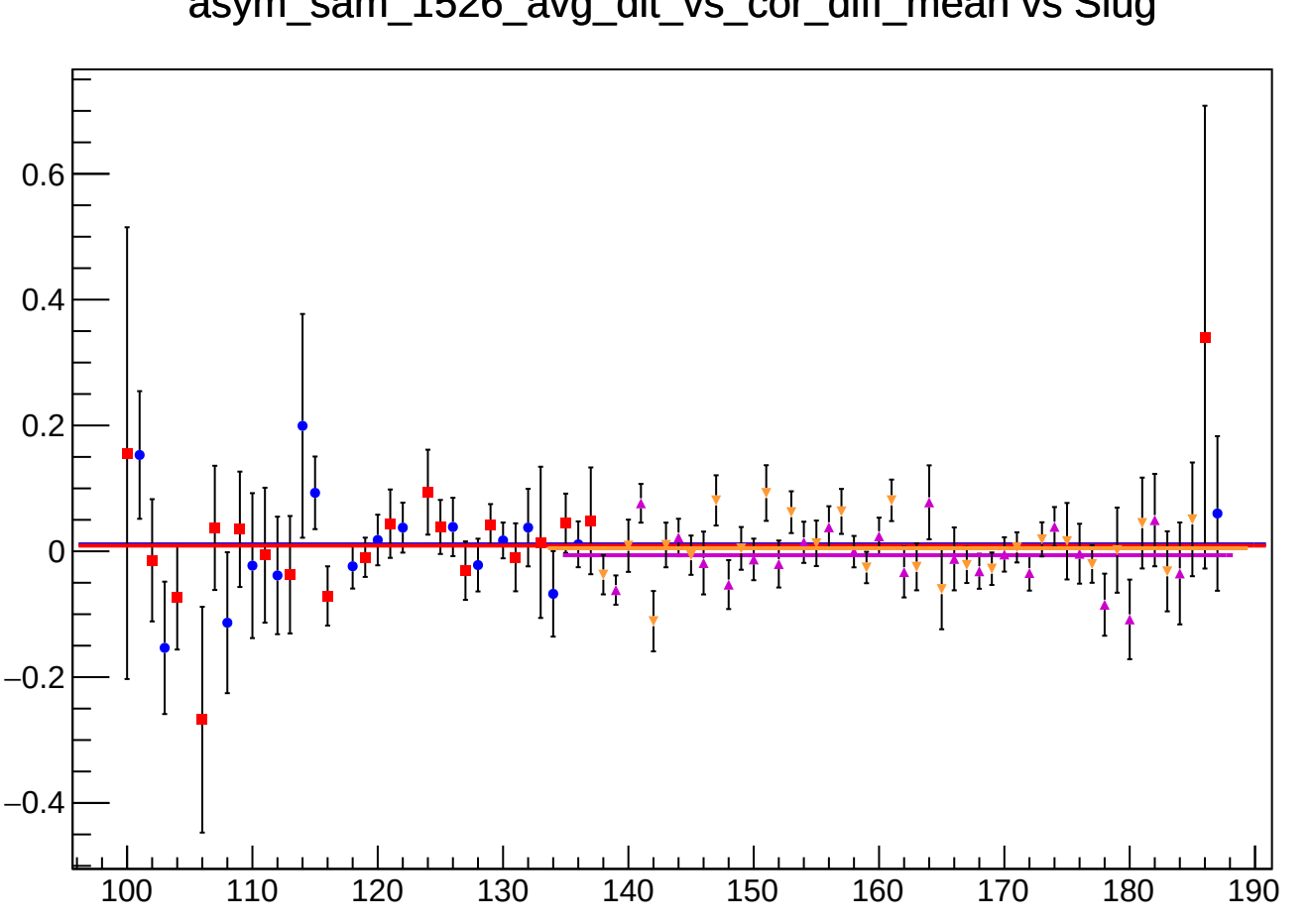
Right Out: 0.000+/-0.000 χ^2/NDF: 3790516.0/19

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5808116.2/41

All: 0.000+/-0.000 χ^2/NDF: 11802301.2/84

- sign 0.000+/-0.000 χ^2/NDF: 5919538.7/42



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.009+/-0.013 χ^2/NDF: 13.2/19

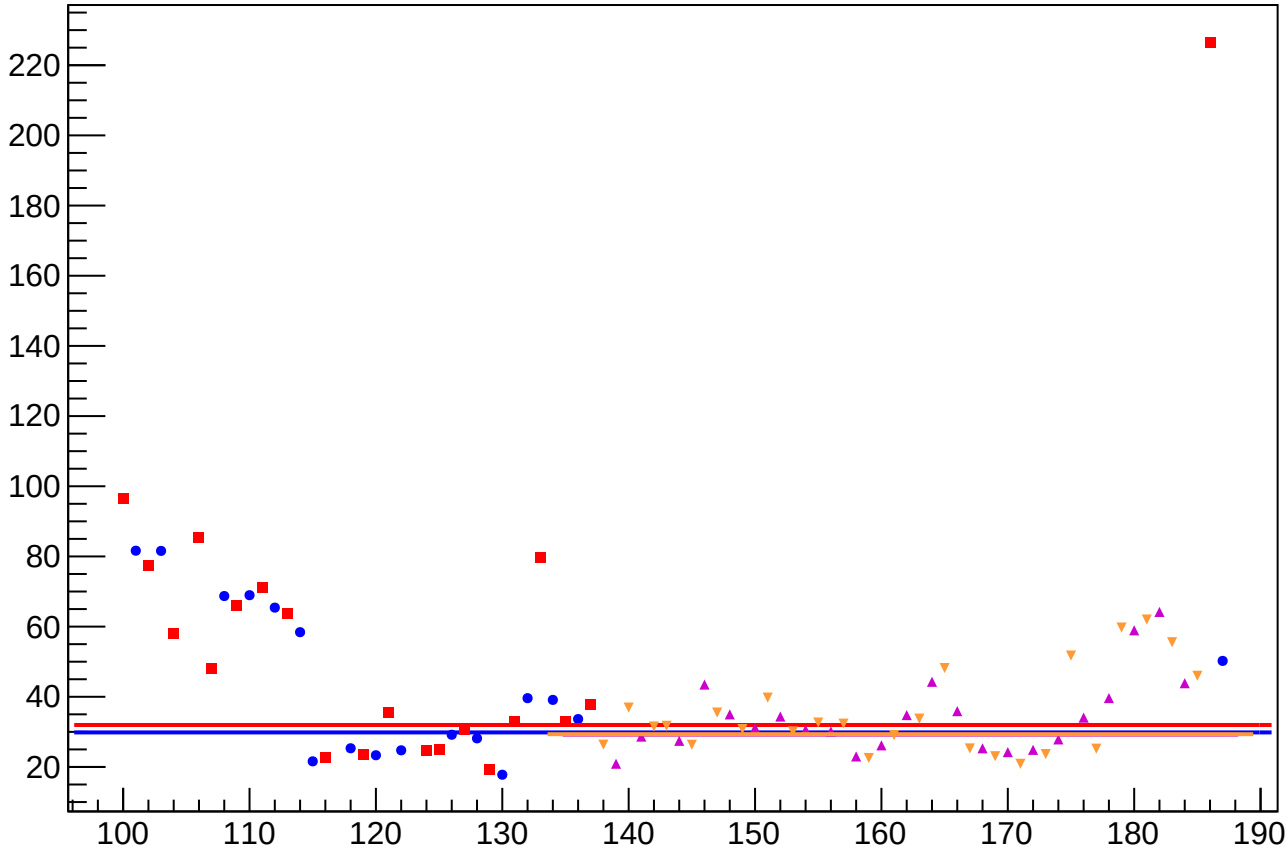
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.4/41

All: 0.002+/-0.004 χ^2/NDF: 93.7/84

- sign -0.003+/-0.006 χ^2/NDF: 45.2/42

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 29.848+/-0.009 χ^2/NDF: 2504089.7/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

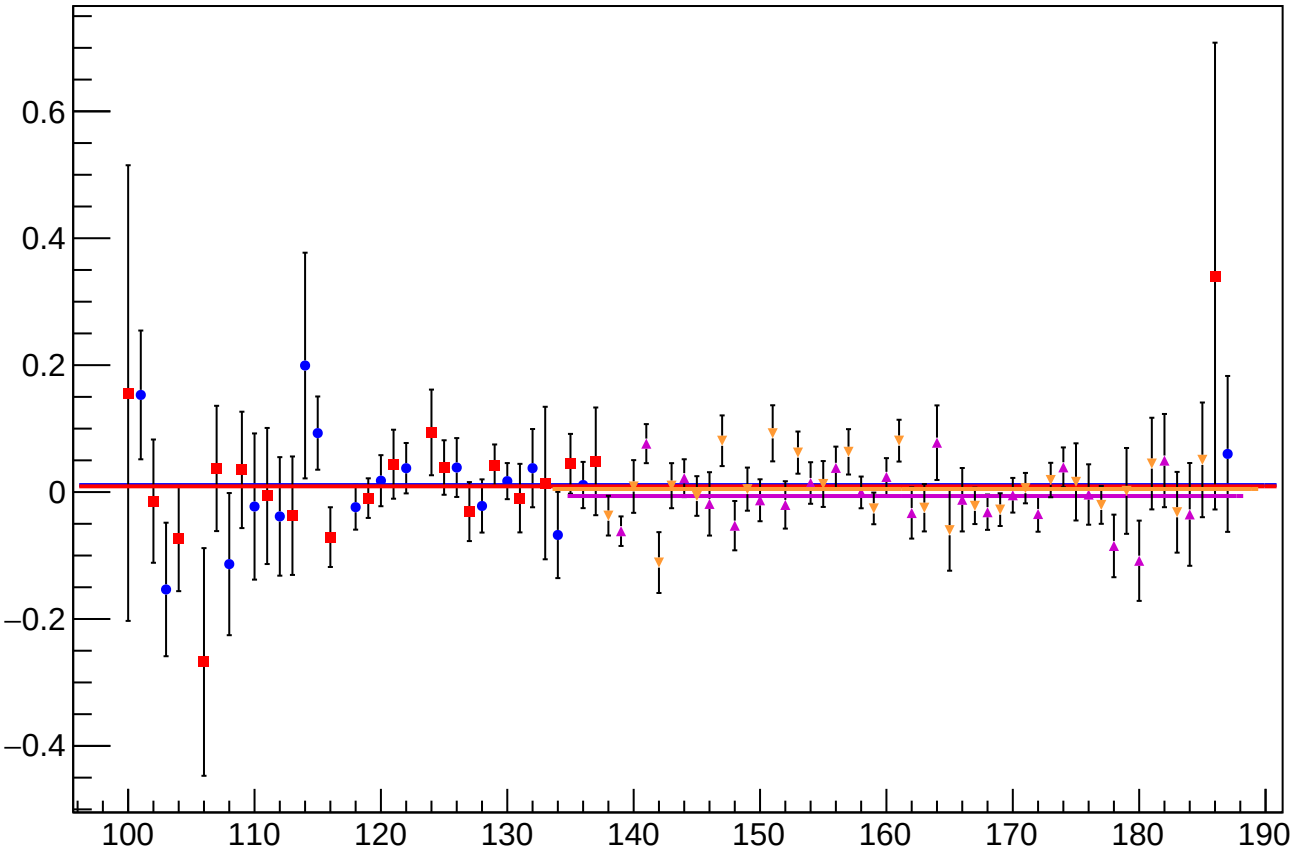
Right Out: 31.964+/-0.009 χ^2/NDF: 3211411.2/19

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.462+/-0.004 χ^2/NDF: 5193767.8/41

All: 29.655+/-0.003 χ^2/NDF: 10572669.1/84

- sign 29.860+/-0.005 χ^2/NDF: 5374878.8/42



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

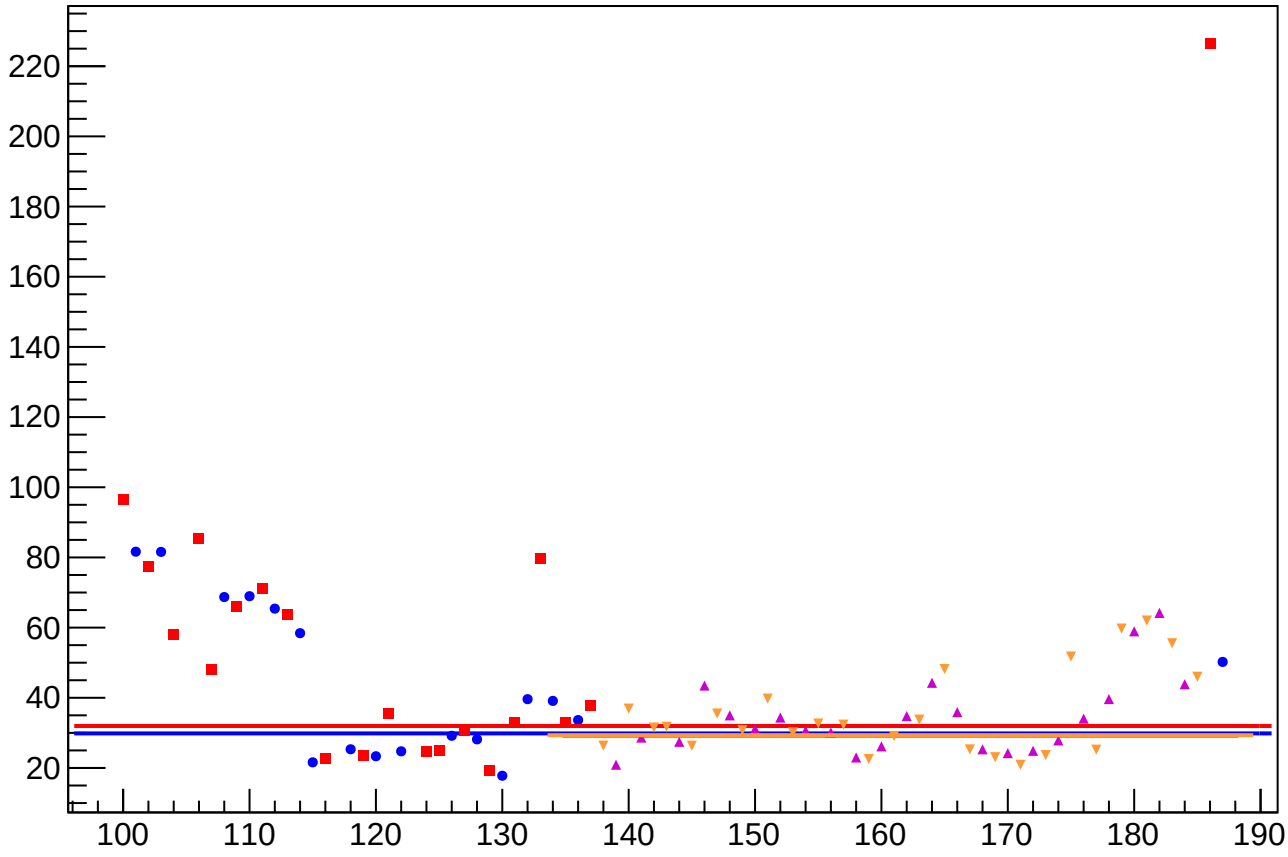
Right Out: 0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.4/41

All: 0.002+/-0.004 χ^2/NDF: 93.7/84

- sign -0.003+/-0.006 χ^2/NDF: 45.2/42



Right In: 29.848+/-0.009 χ^2/NDF: 2504089.7/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

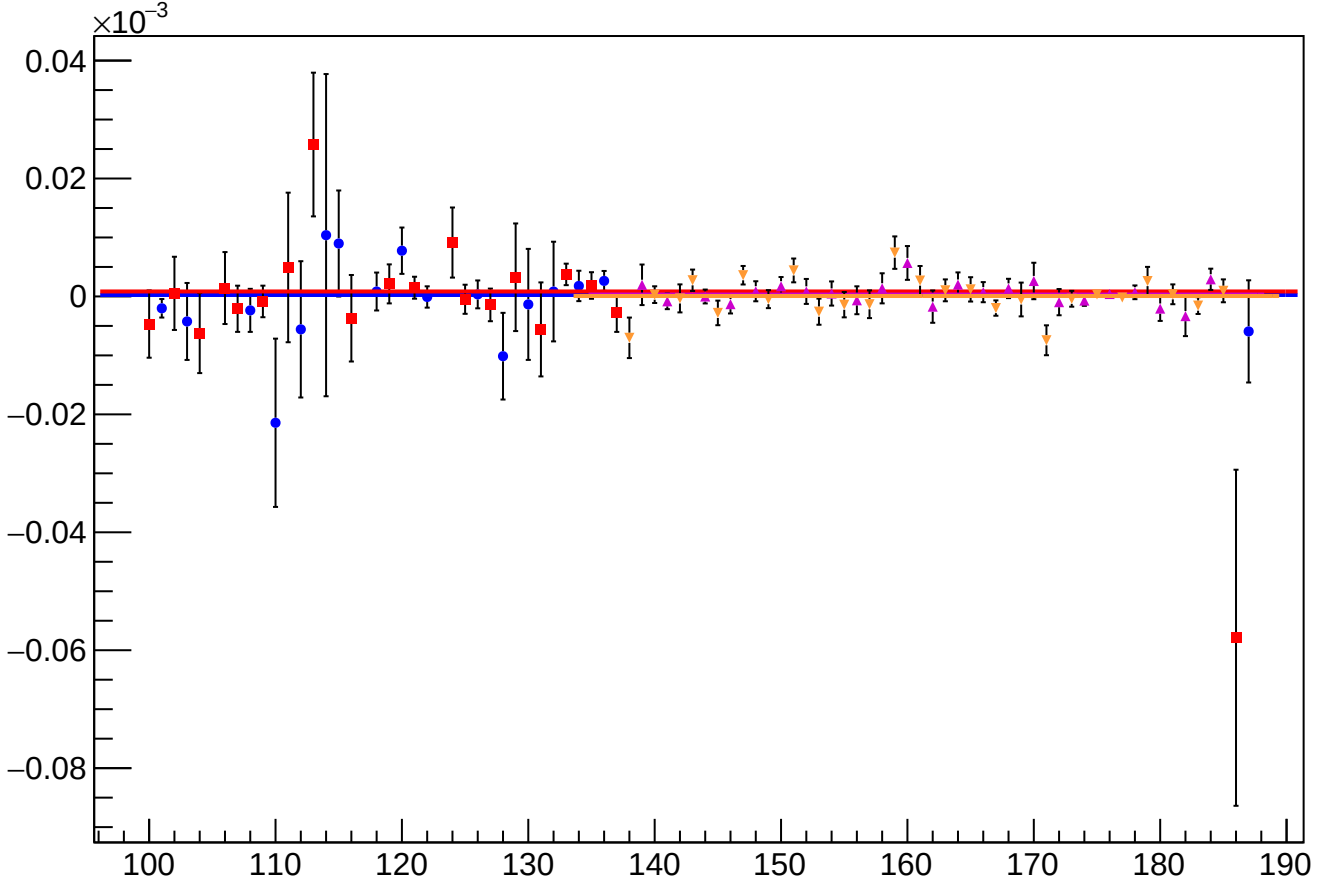
Right Out: 31.964+/-0.009 χ^2/NDF: 3211411.2/19

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.462+/-0.004 χ^2/NDF: 5193767.8/41

All: 29.655+/-0.003 χ^2/NDF: 10572669.1/84

- sign 29.860+/-0.005 χ^2/NDF: 5374878.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/19

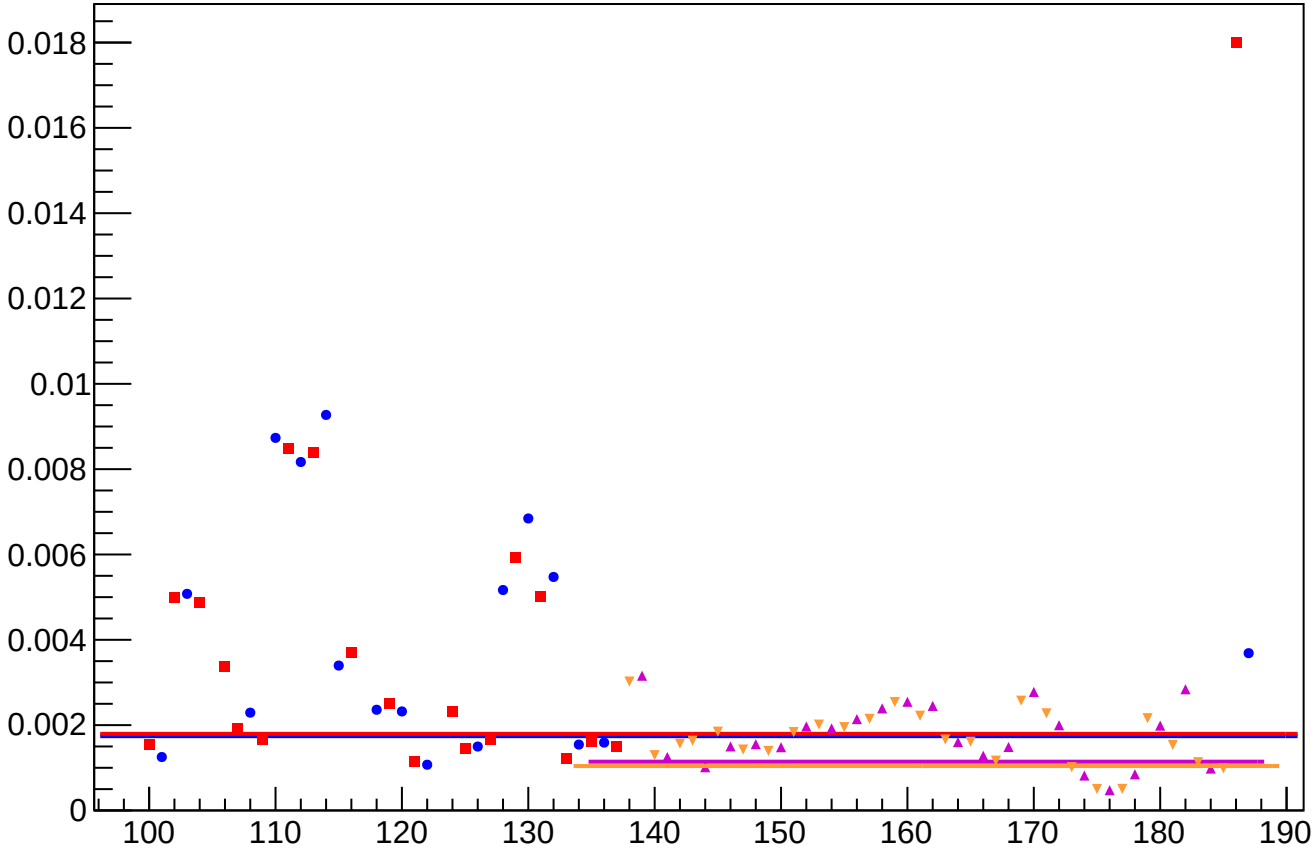
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.1/41

All: 0.000+/-0.000 χ^2/NDF: 95.1/84

- sign 0.000+/-0.000 χ^2/NDF: 35.5/42

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4033803.6/16

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

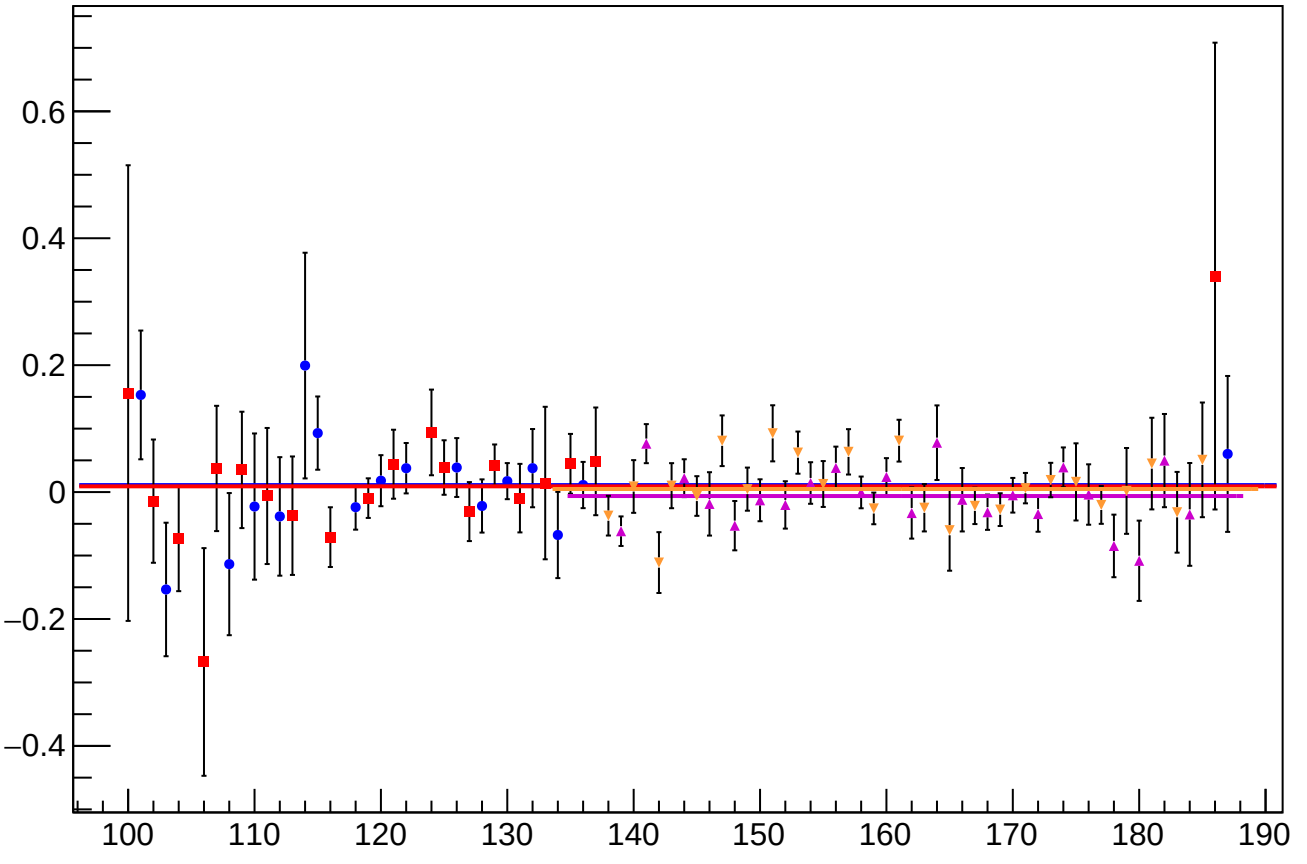
Right Out: 0.002+/-0.000 χ^2/NDF: 4366322.4/19

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15358719.9/41

All: 0.001+/-0.000 χ^2/NDF: 29393299.6/84

- sign 0.001+/-0.000 χ^2/NDF: 13877928.1/42



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

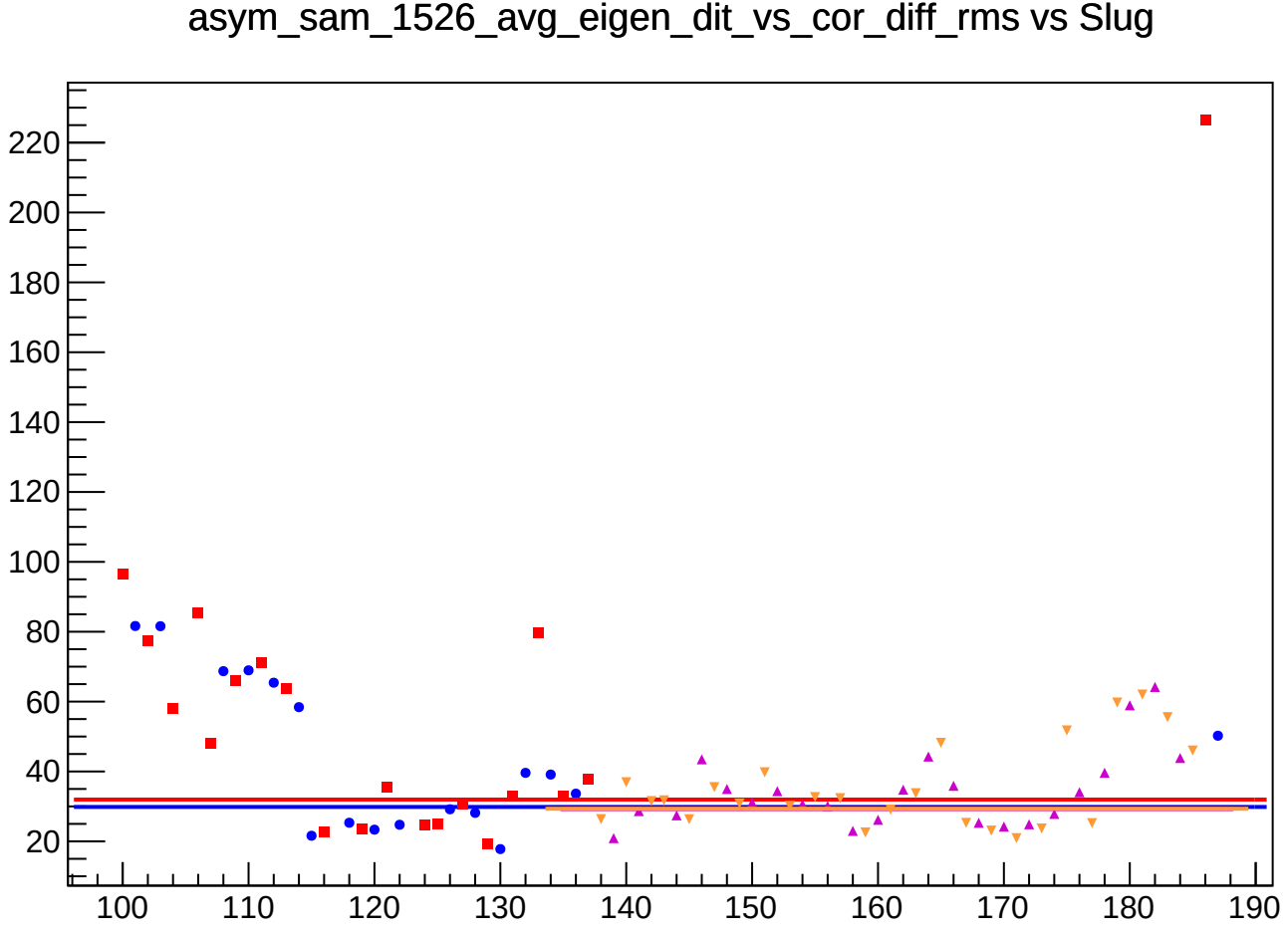
Right Out: 0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.4/41

All: 0.002+/-0.004 χ^2/NDF: 93.7/84

- sign -0.003+/-0.006 χ^2/NDF: 45.2/42



Right In: 29.846+/-0.009 χ^2/NDF: 2504309.2/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

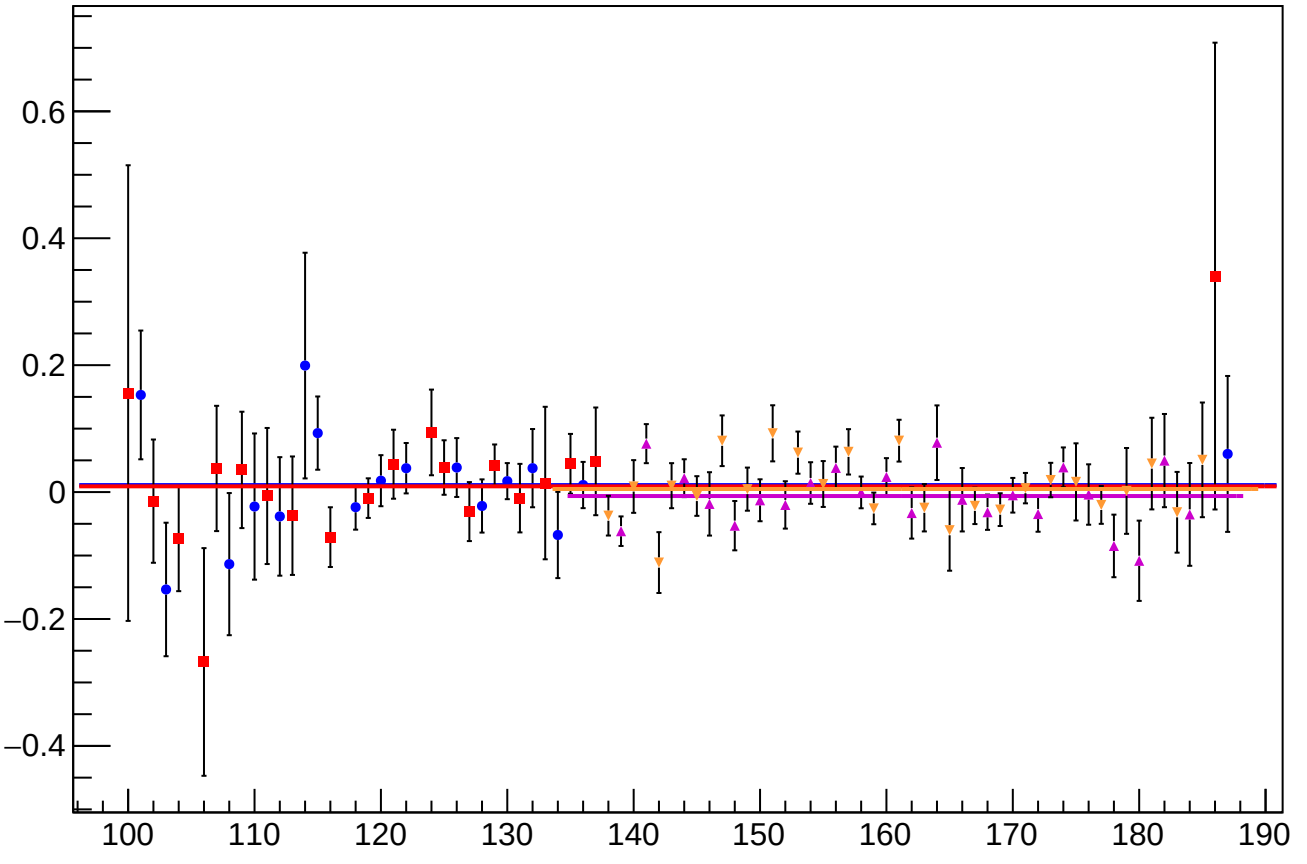
Right Out: 31.963+/-0.009 χ^2/NDF: 3211588.5/19

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.462+/-0.004 χ^2/NDF: 5194014.5/41

All: 29.655+/-0.003 χ^2/NDF: 10572983.0/84

- sign 29.860+/-0.005 χ^2/NDF: 5374941.7/42



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

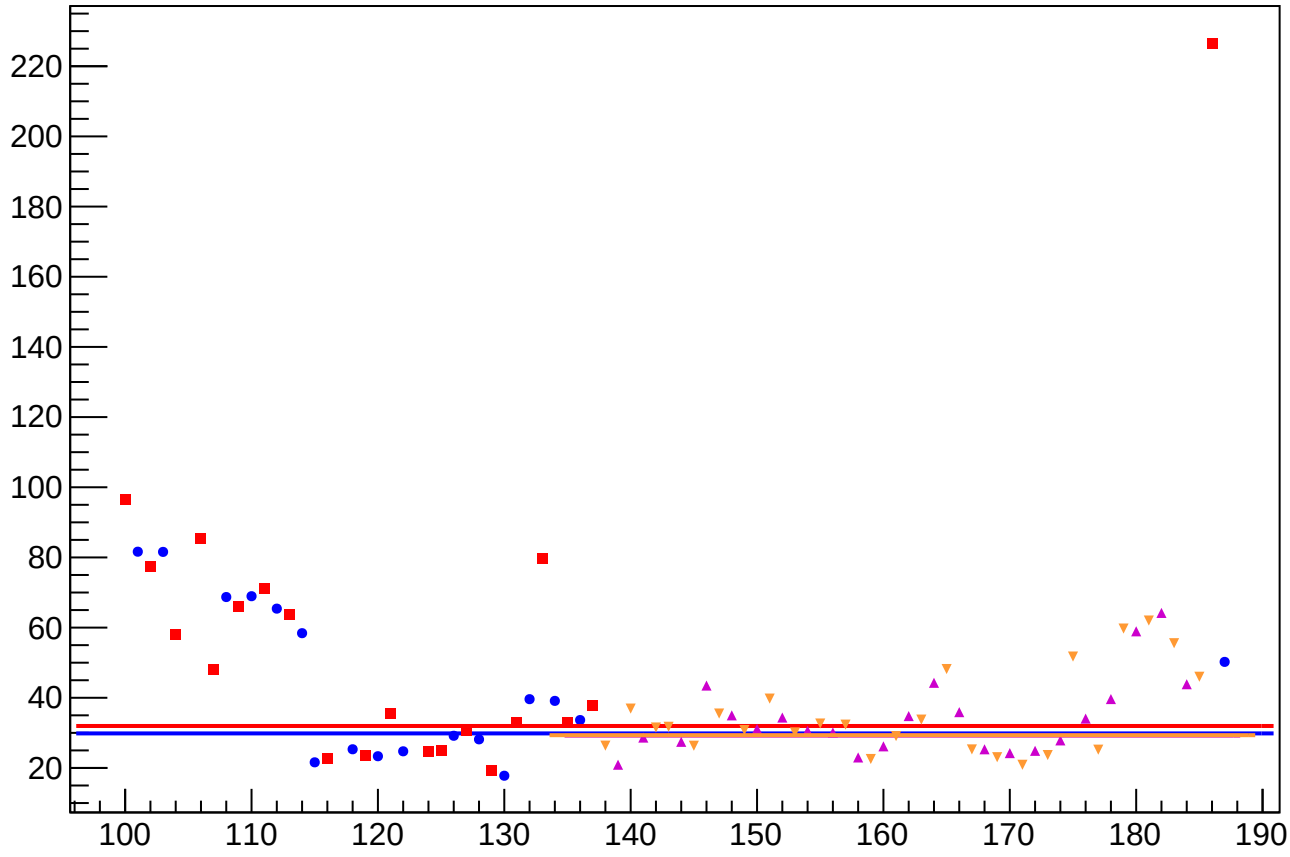
Right Out: 0.009+/-0.013 χ^2/NDF: 13.2/19

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 47.4/41

All: 0.002+/-0.004 χ^2/NDF: 93.7/84

- sign -0.003+/-0.006 χ^2/NDF: 45.2/42



Right In: 29.846+/-0.009 χ^2/NDF: 2504309.2/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

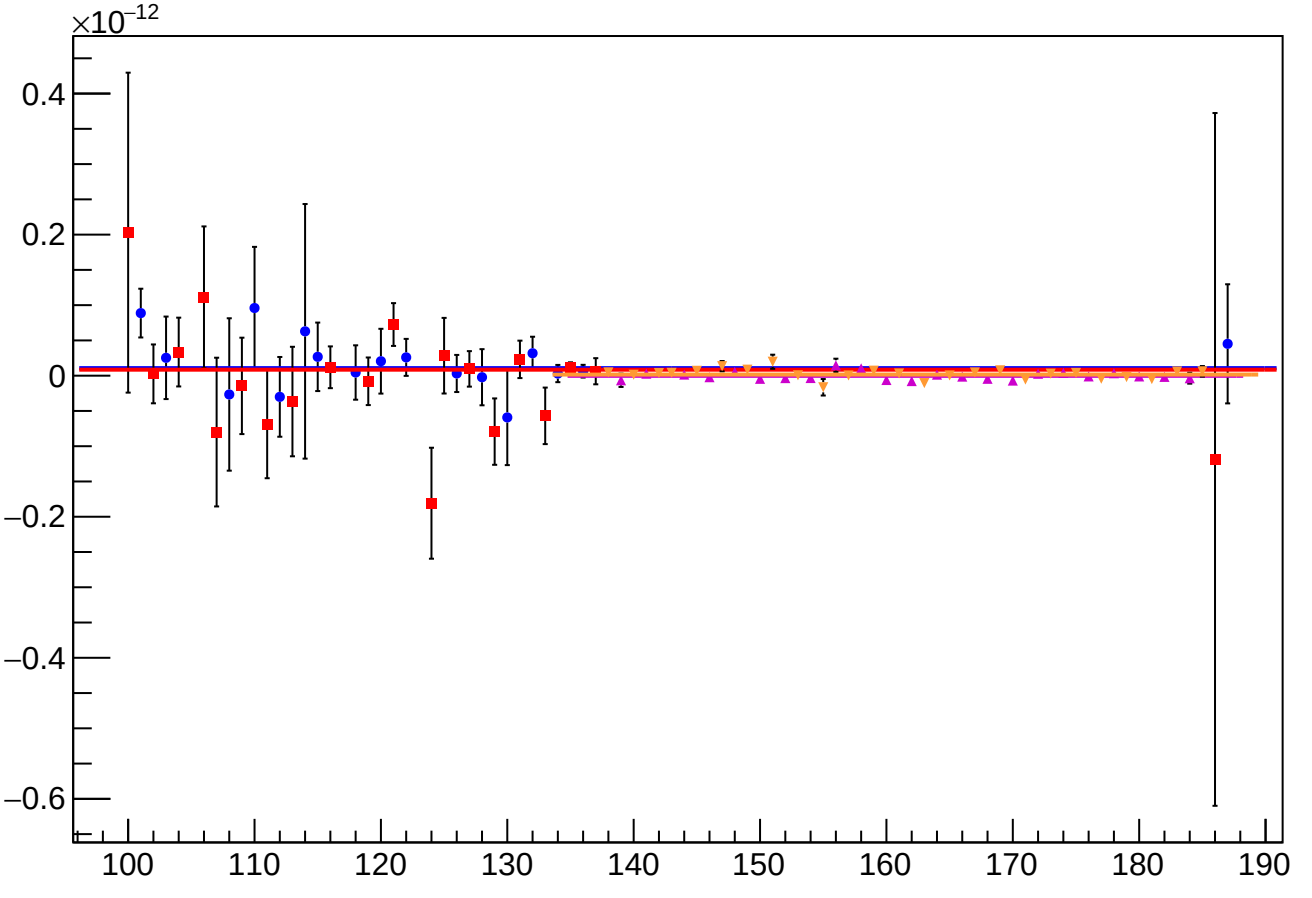
Right Out: 31.963+/-0.009 χ^2/NDF: 3211588.5/19

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.462+/-0.004 χ^2/NDF: 5194014.5/41

All: 29.655+/-0.003 χ^2/NDF: 10572983.0/84

- sign 29.860+/-0.005 χ^2/NDF: 5374941.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 10.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

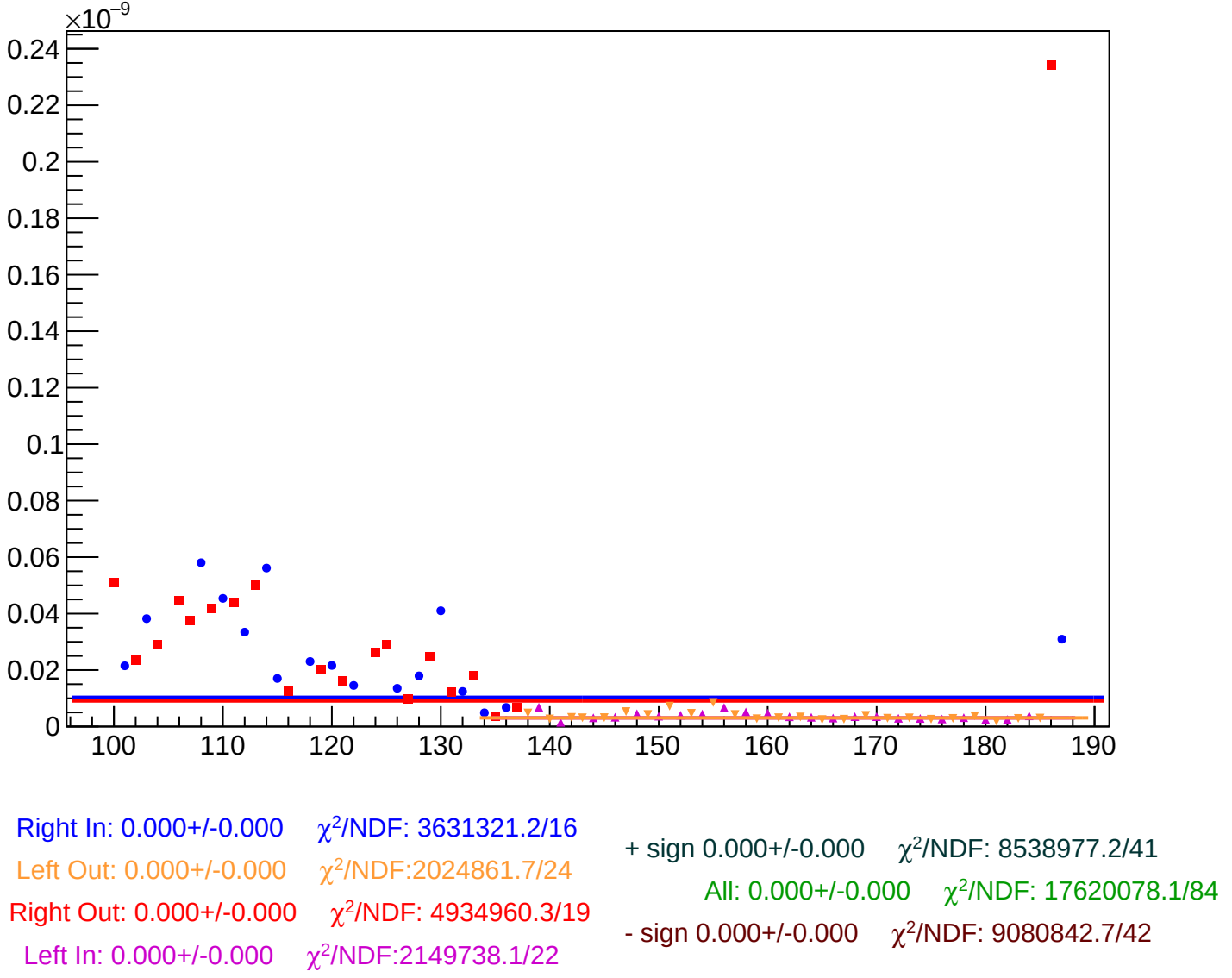
Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/19

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

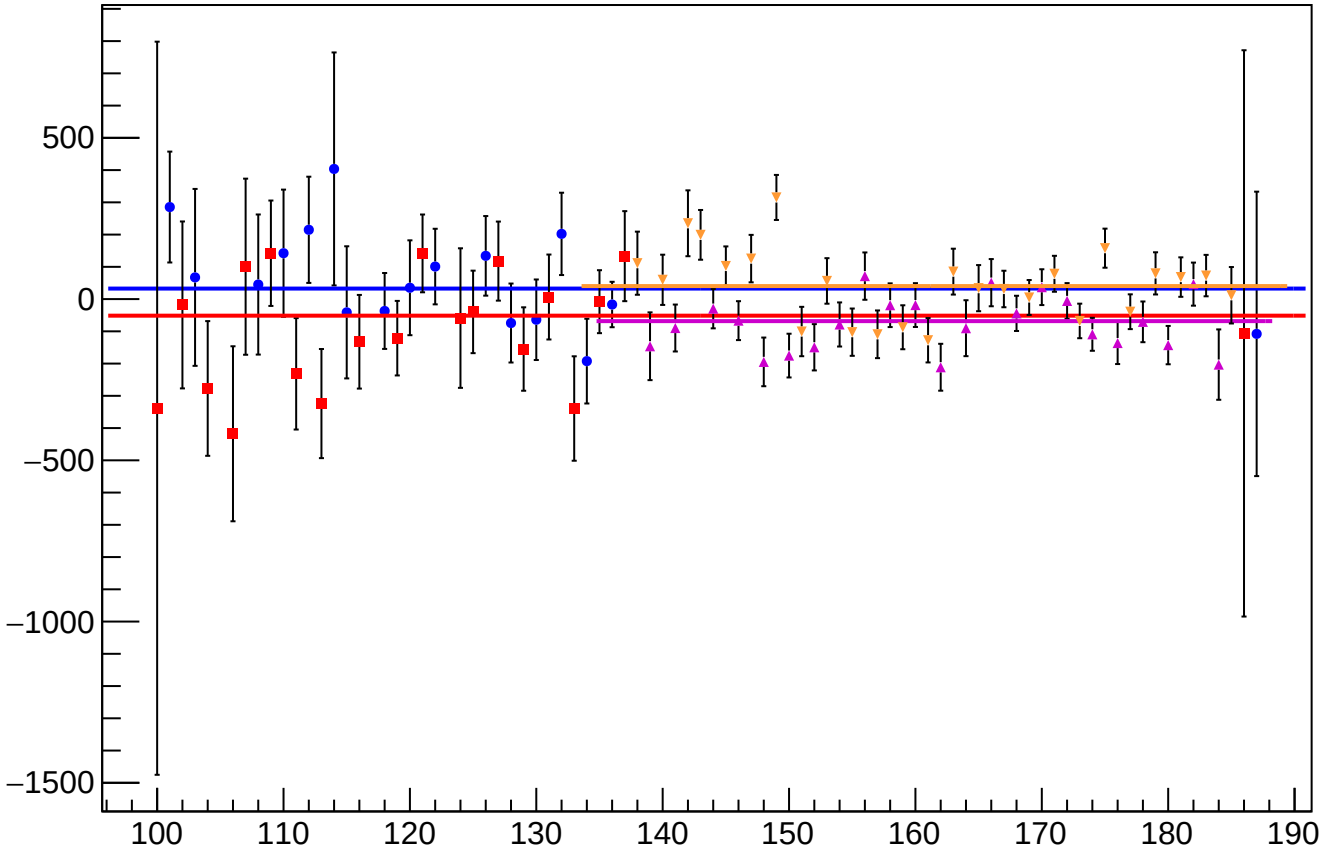
+ sign 0.000+/-0.000 χ^2/NDF: 47.5/41

All: 0.000+/-0.000 χ^2/NDF: 91.5/84

- sign 0.000+/-0.000 χ^2/NDF: 42.2/42


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3631321.2/16
Left Out: 0.000+/-0.000 χ²/NDF:2024861.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4934960.3/19
Left In: 0.000+/-0.000 χ²/NDF:2149738.1/22
+ sign 0.000+/-0.000 χ²/NDF: 8538977.2/41
All: 0.000+/-0.000 χ²/NDF: 17620078.1/84
- sign 0.000+/-0.000 χ²/NDF: 9080842.7/42

reg_asym_sam_3726_avg_mean vs Slug



Right In: 32.602+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -51.422+/-34.824 χ^2/NDF: 19.6/19

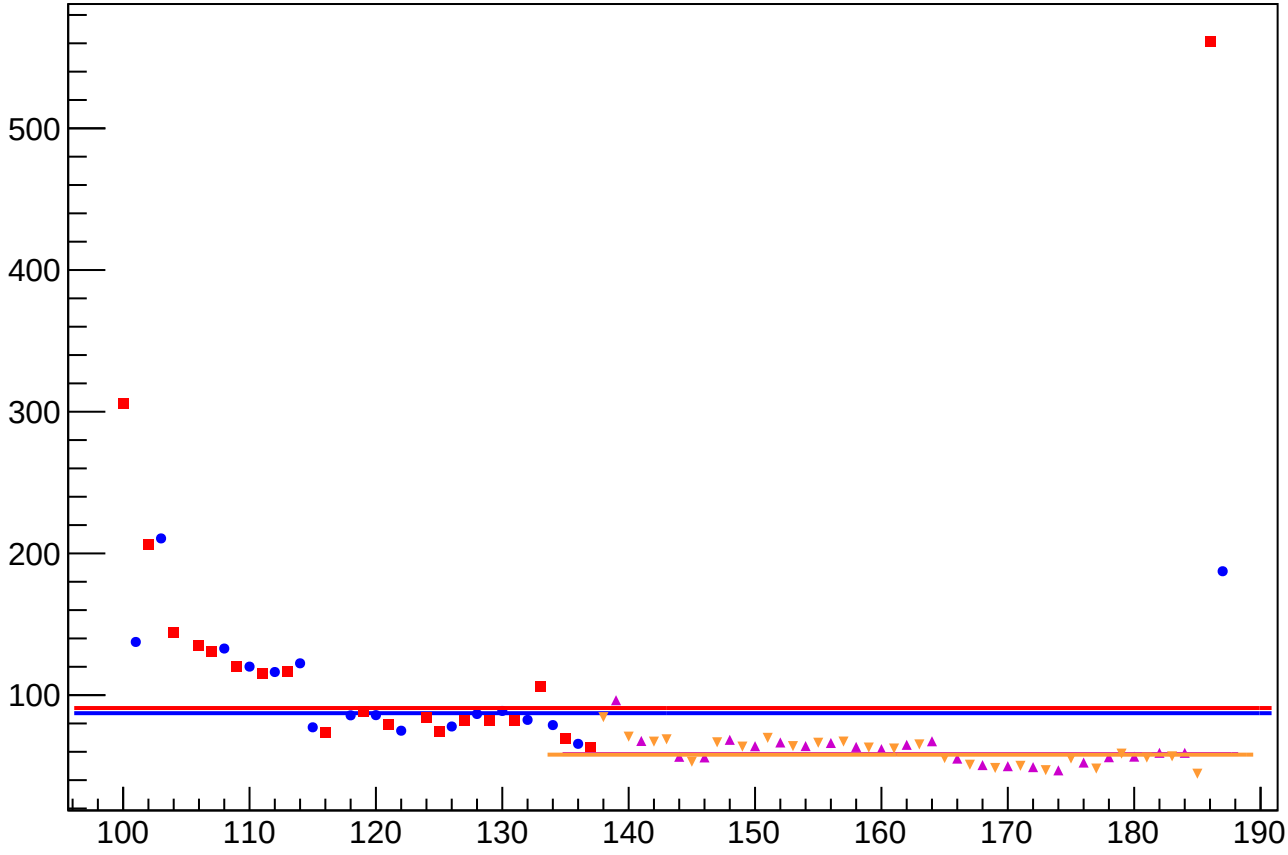
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 39.289+/-12.457 χ^2/NDF: 72.4/41

All: -11.603+/-8.955 χ^2/NDF: 158.4/84

- sign -66.028+/-12.882 χ^2/NDF: 51.5/42

reg_asym_sam_3726_avg_rms vs Slug



Right In: 87.257+/-0.024 χ^2/NDF: 1142599.9/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

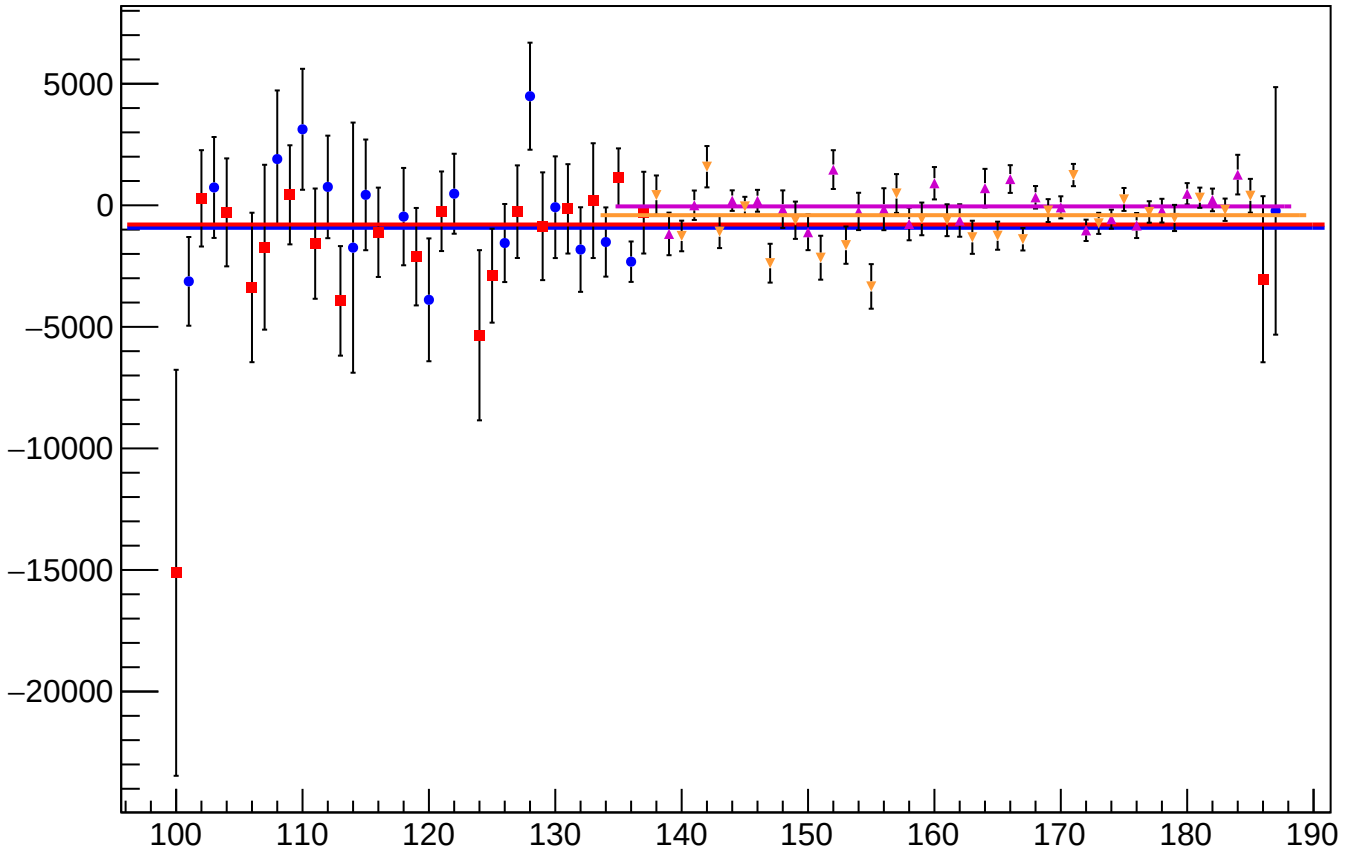
Right Out: 90.894+/-0.025 χ^2/NDF: 1724761.2/19

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.975+/-0.009 χ^2/NDF: 3246839.0/41

All: 62.395+/-0.006 χ^2/NDF: 7214863.8/84

- sign 62.844+/-0.009 χ^2/NDF: 3963319.7/42



Right In: -924.612+/-439.249 χ^2/NDF: 18.5/16

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

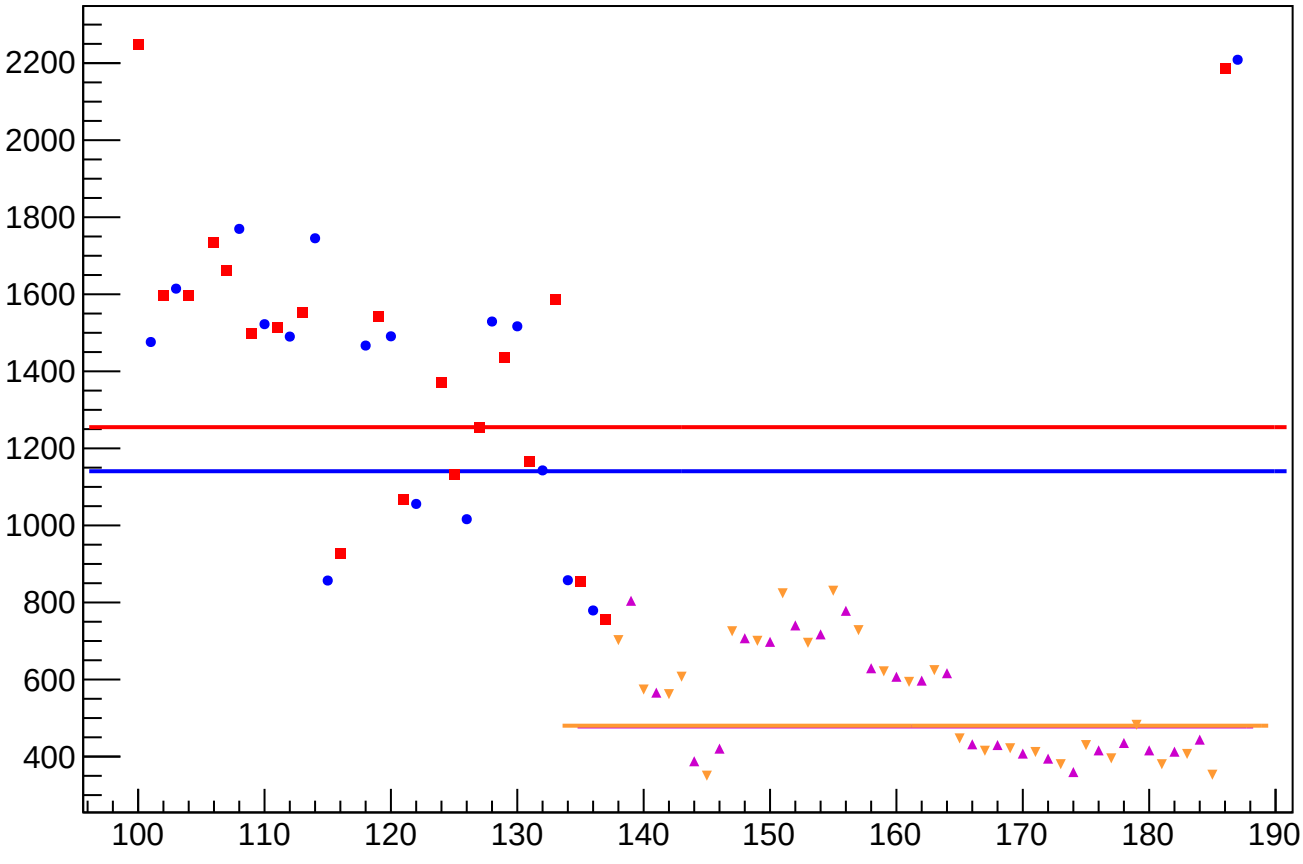
Right Out: -789.453+/-463.572 χ^2/NDF: 13.4/19

Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -438.744+/-109.861 χ^2/NDF: 83.1/41

All: -267.511+/-78.537 χ^2/NDF: 134.9/84

- sign -88.542+/-112.316 χ^2/NDF: 46.9/42



Right In: 1140.697+/-0.311 χ^2/NDF: 1212822.9/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1255.069+/-0.328 χ^2/NDF: 1046773.2/19

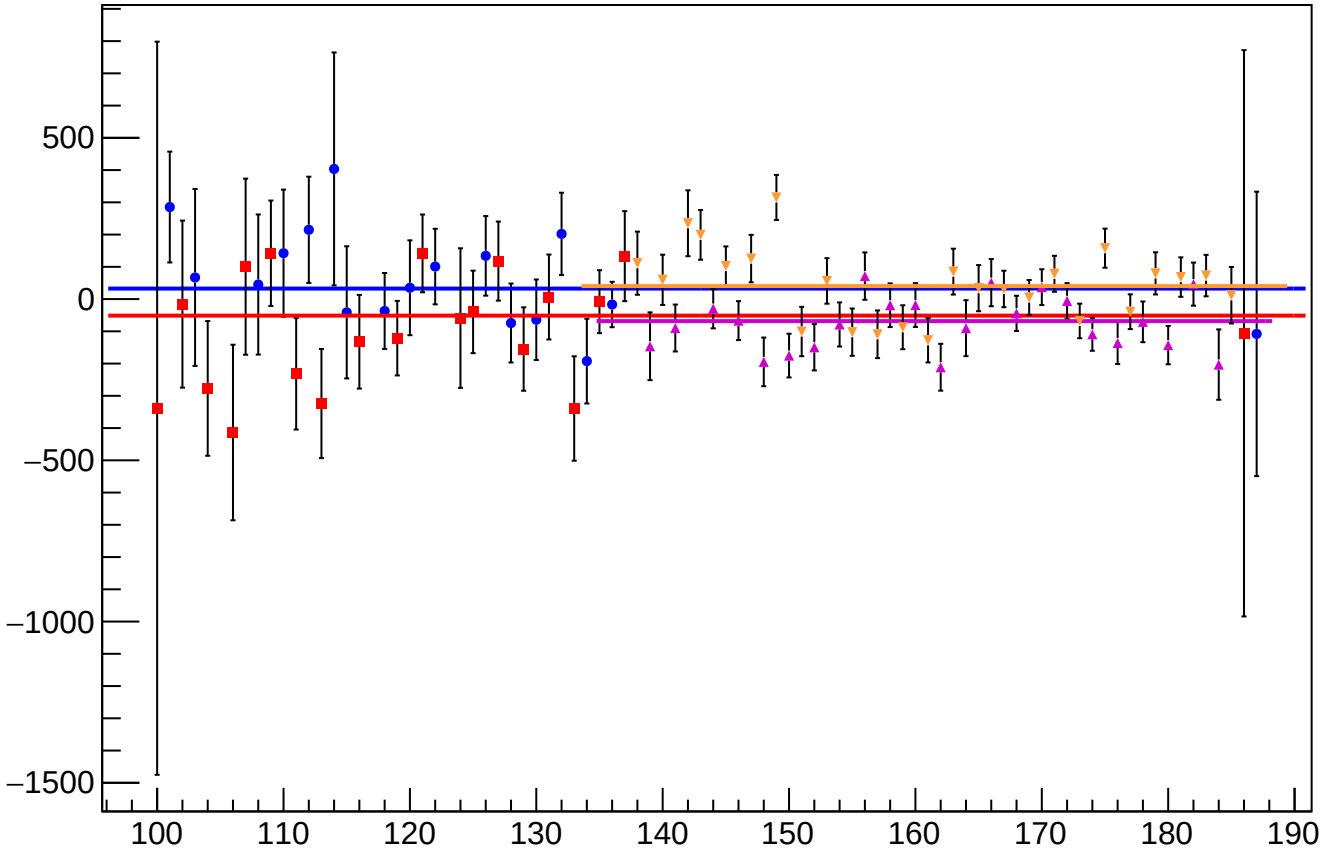
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 521.482+/-0.078 χ^2/NDF: 8034837.9/41

All: 522.563+/-0.056 χ^2/NDF: 16586228.7/84

- sign 523.694+/-0.079 χ^2/NDF: 8550994.5/42

cor_asym_sam_3726_avg_mean vs Slug



Right In: 32.593+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -51.274+/-34.826 χ^2/NDF: 19.5/19

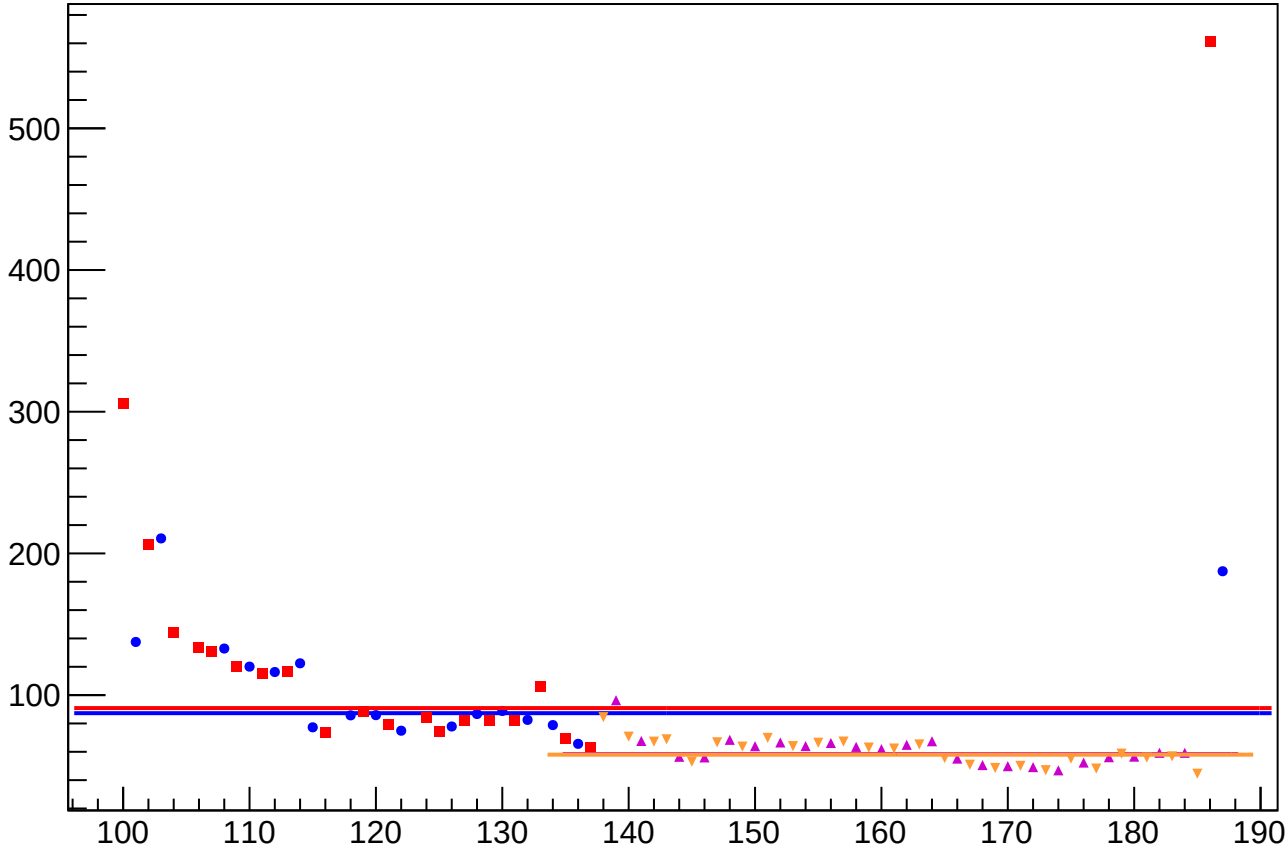
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.290+/-12.457 χ^2/NDF: 72.4/41

All: -11.592+/-8.955 χ^2/NDF: 158.4/84

- sign -66.007+/-12.883 χ^2/NDF: 51.5/42

cor_asym_sam_3726_avg_rms vs Slug



Right In: 87.257+/-0.024 χ^2/NDF: 1142602.8/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

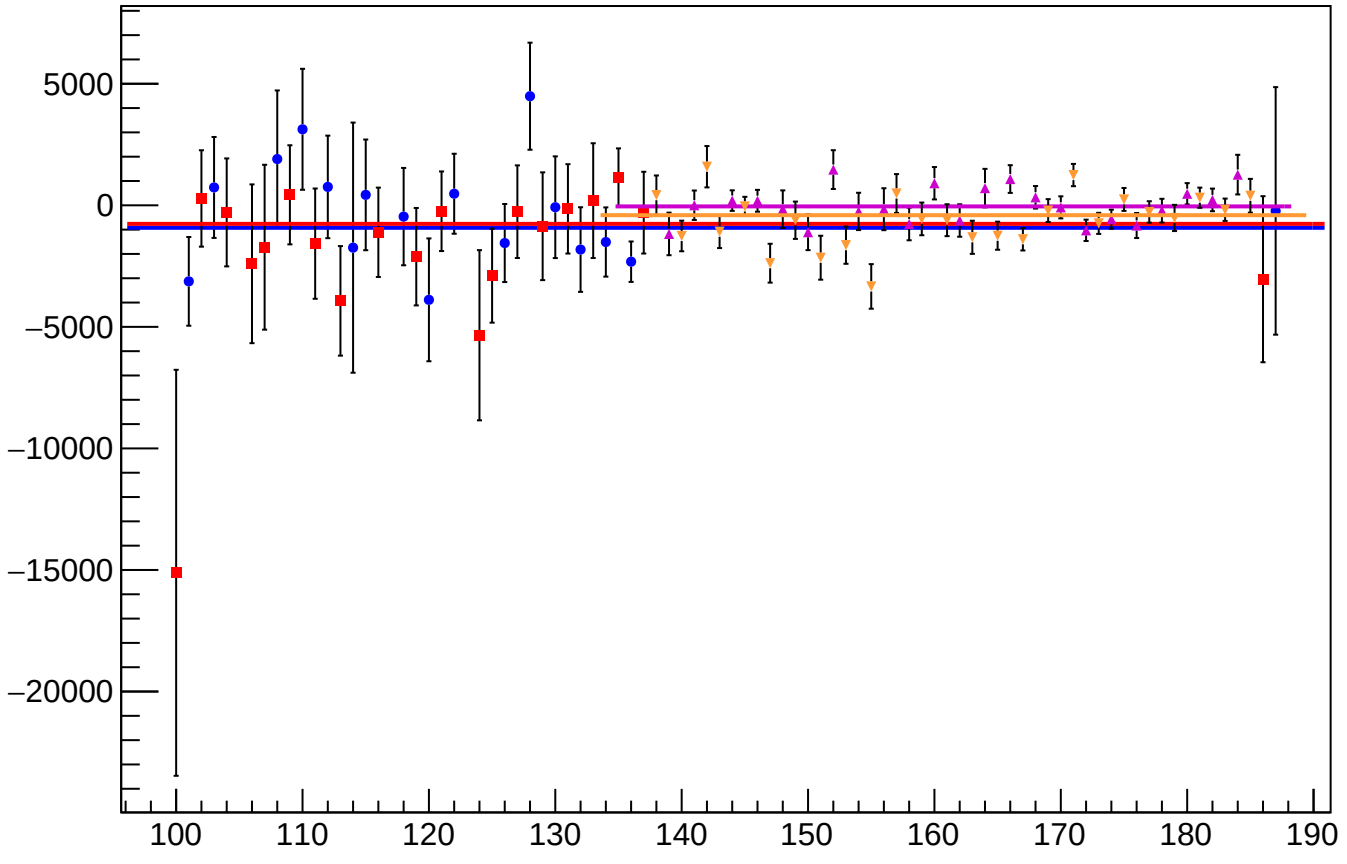
Right Out: 90.857+/-0.025 χ^2/NDF: 1720157.8/19

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.975+/-0.009 χ^2/NDF: 3246841.2/41

All: 62.392+/-0.006 χ^2/NDF: 7206629.6/84

- sign 62.839+/-0.009 χ^2/NDF: 3955143.0/42



Right In: -924.579+/-439.250 χ^2/NDF: 18.5/16

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -763.455+/-464.192 χ^2/NDF: 13.0/19

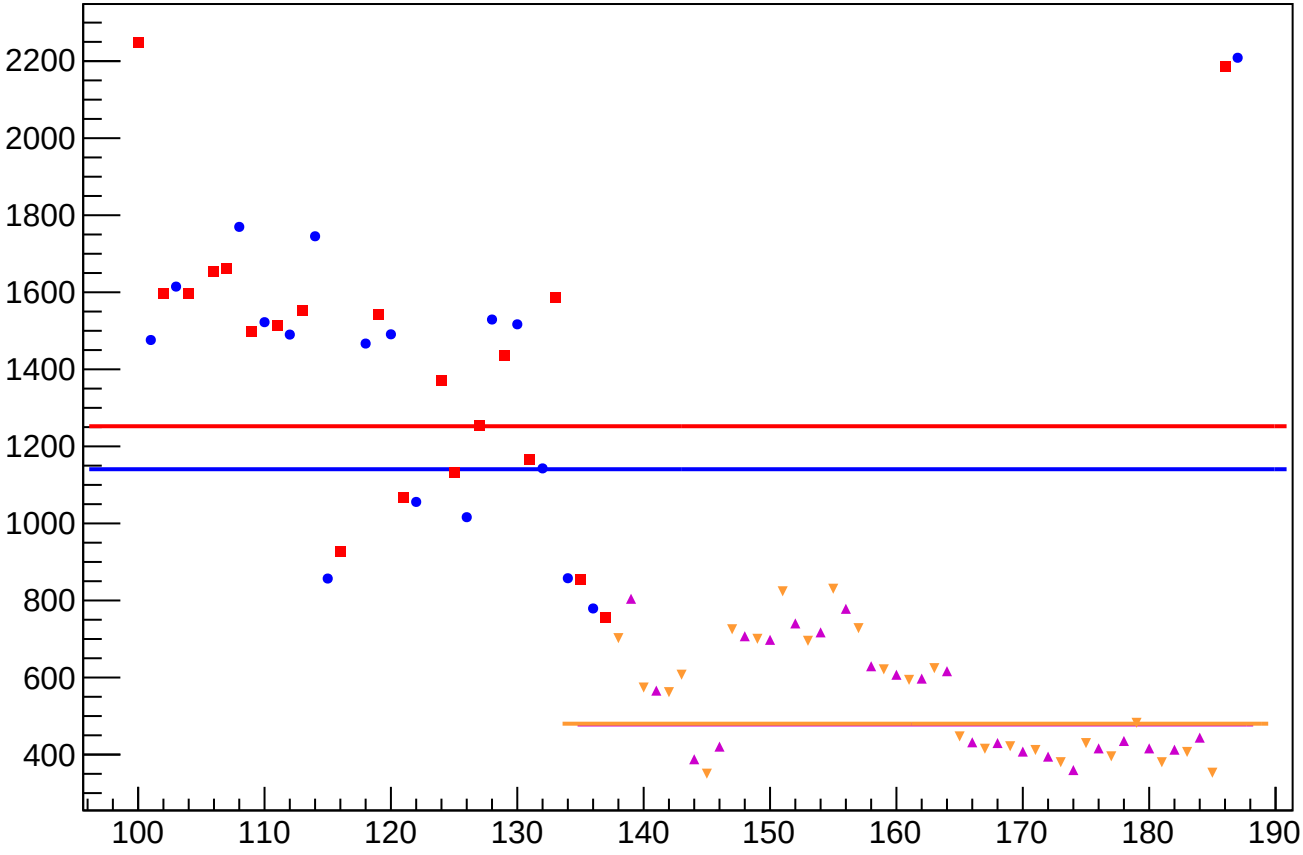
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.740+/-109.861 χ^2/NDF: 83.1/41

All: -266.724+/-78.540 χ^2/NDF: 134.3/84

- sign -86.908+/-112.325 χ^2/NDF: 46.3/42

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1140.698+/-0.311 χ^2/NDF: 1212858.7/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1252.287+/-0.328 χ^2/NDF: 1028644.5/19

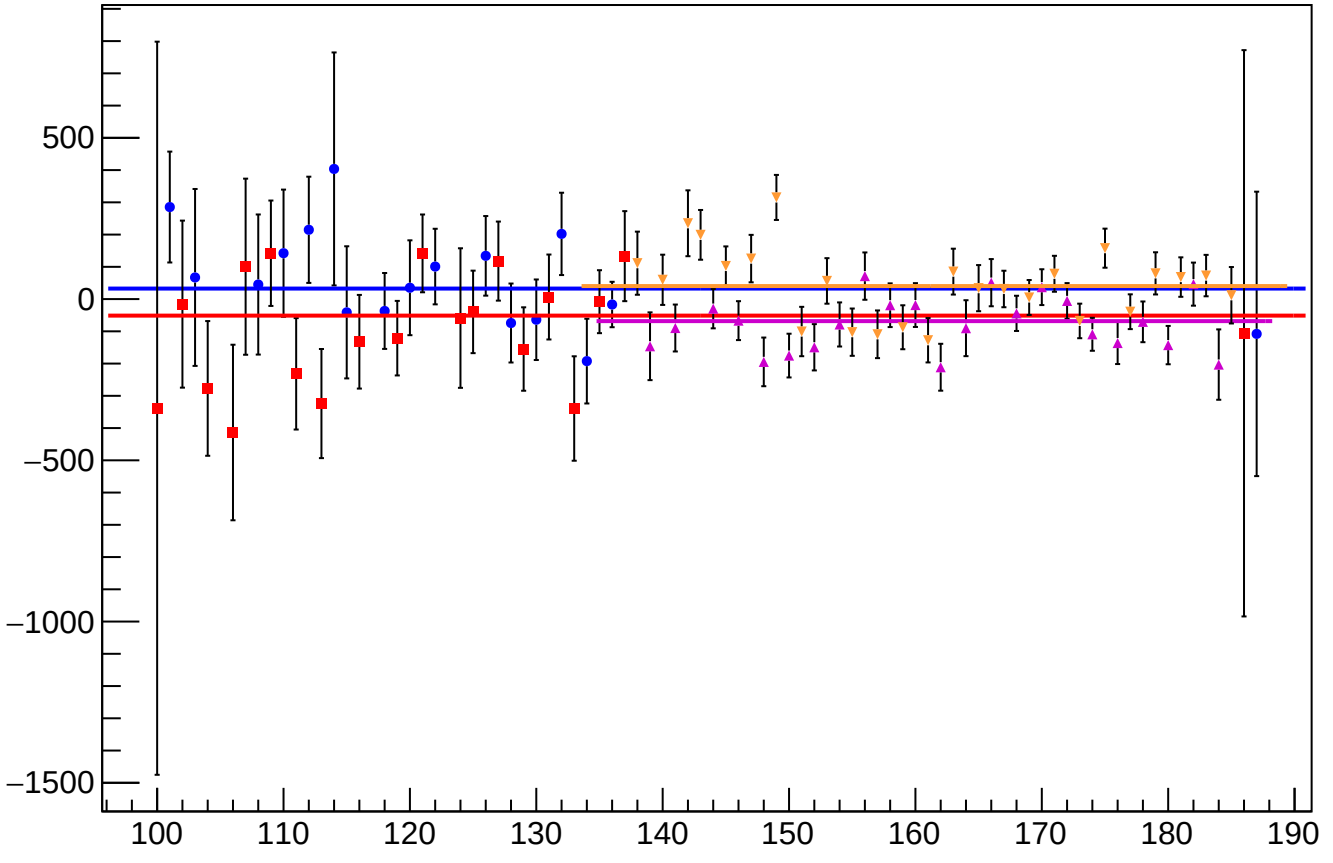
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 521.482+/-0.078 χ^2/NDF: 8034864.0/41

All: 522.428+/-0.056 χ^2/NDF: 16517023.8/84

- sign 523.416+/-0.079 χ^2/NDF: 8481856.7/42

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 32.593+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -51.274+/-34.826 χ^2/NDF: 19.5/19

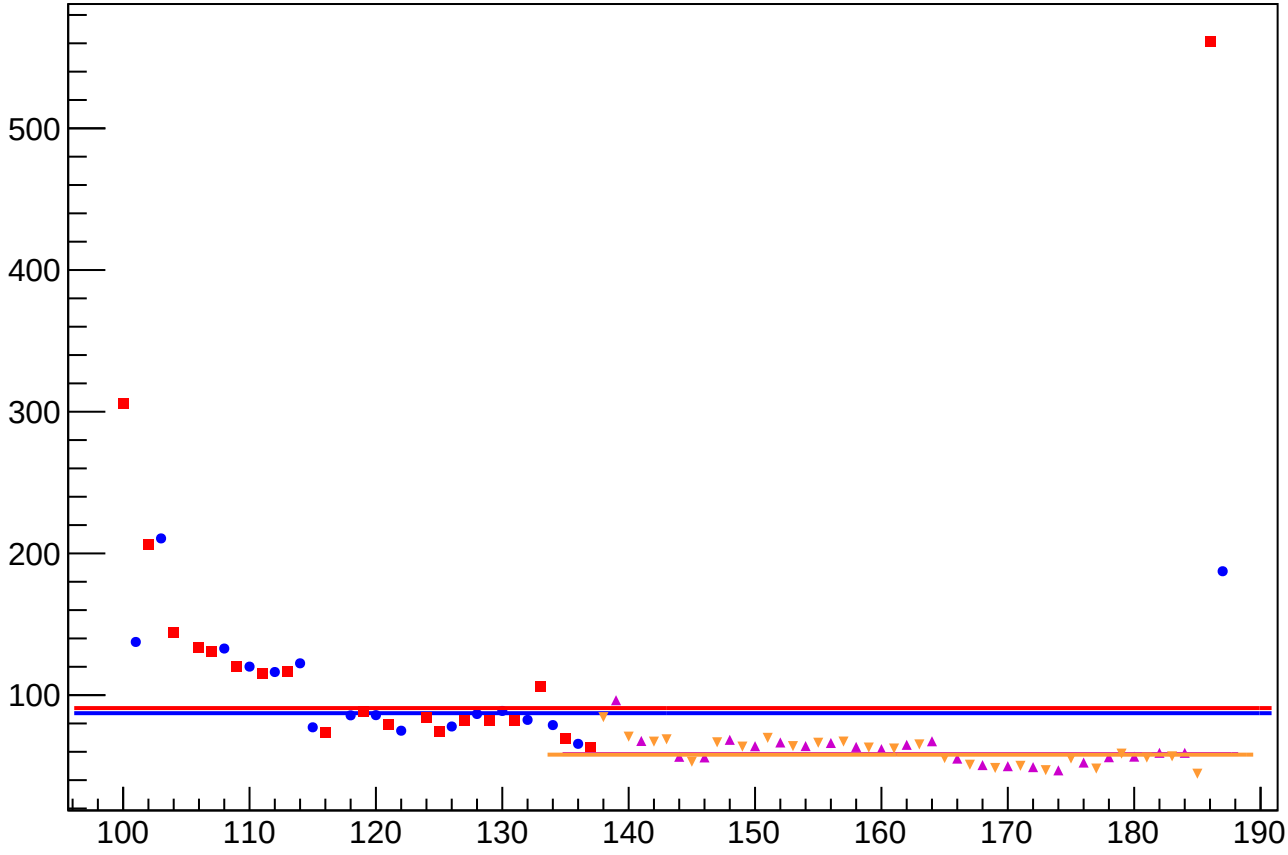
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 39.290+/-12.457 χ^2/NDF: 72.4/41

All: -11.592+/-8.955 χ^2/NDF: 158.4/84

- sign -66.007+/-12.883 χ^2/NDF: 51.5/42

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 87.257+/-0.024 χ^2/NDF: 1142602.8/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

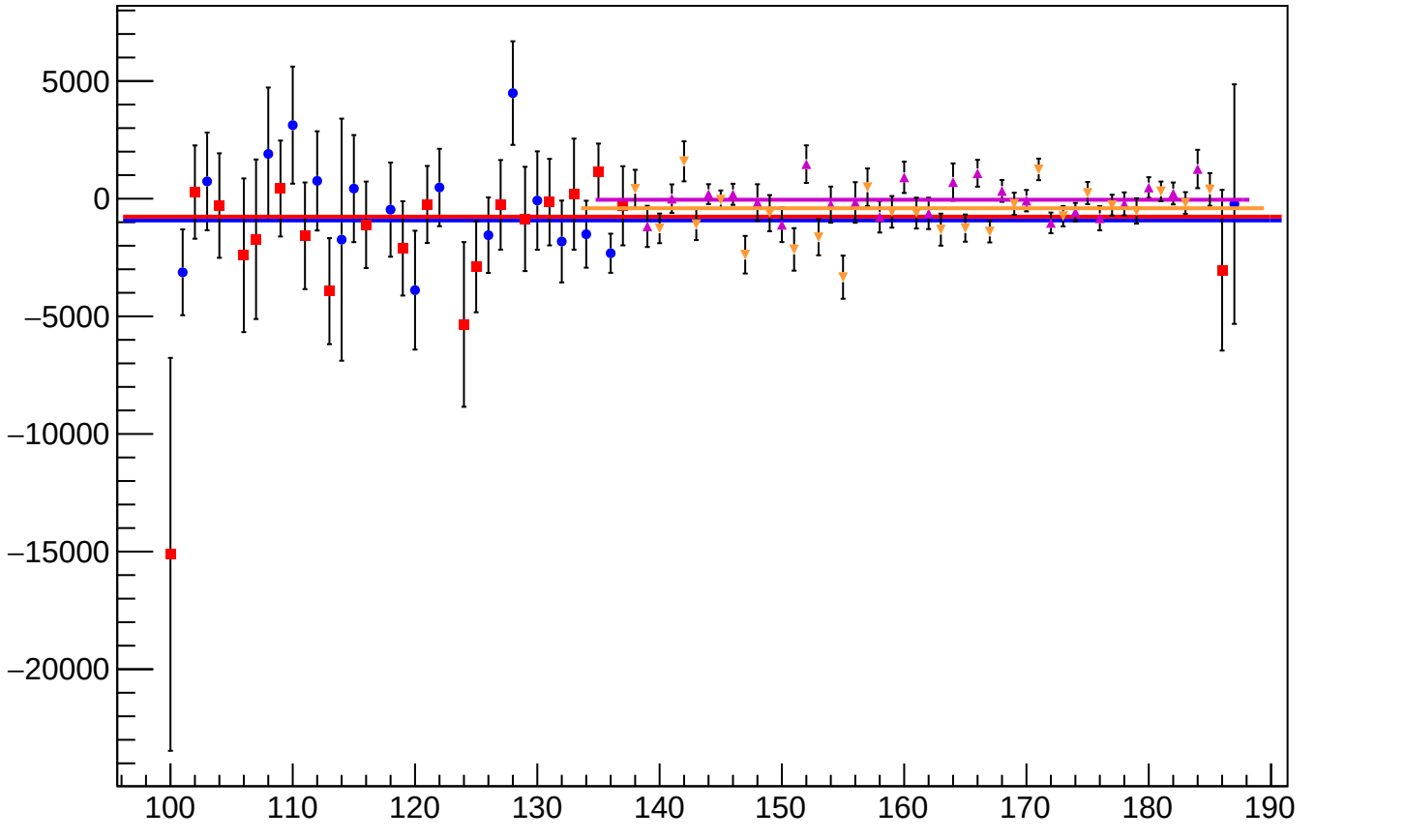
Right Out: 90.857+/-0.025 χ^2/NDF: 1720157.8/19

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 61.975+/-0.009 χ^2/NDF: 3246841.2/41

All: 62.392+/-0.006 χ^2/NDF: 7206629.6/84

- sign 62.839+/-0.009 χ^2/NDF: 3955143.0/42



Right In: -924.579+/-439.250 χ^2/NDF: 18.5/16

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

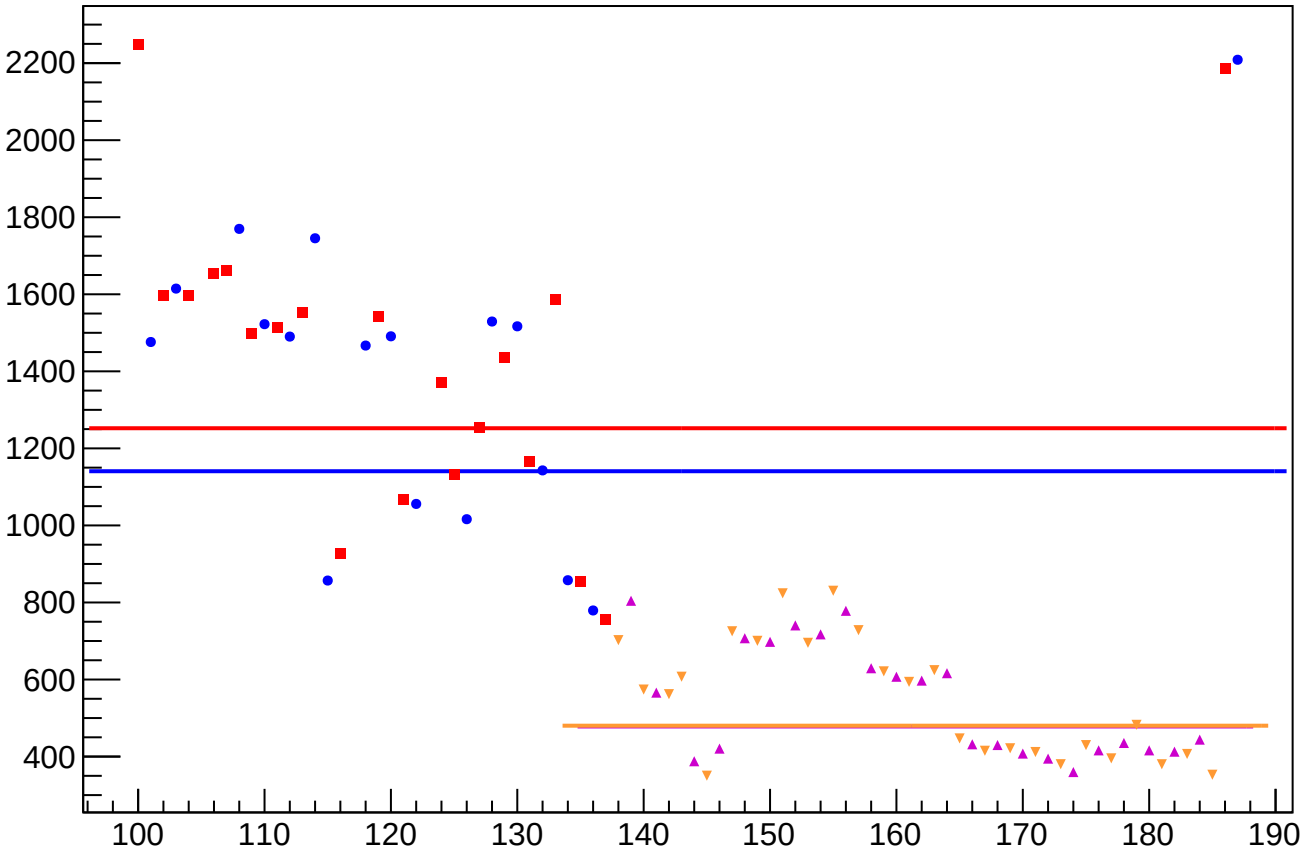
Right Out: -763.455+/-464.192 χ^2/NDF: 13.0/19

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -438.740+/-109.861 χ^2/NDF: 83.1/41

All: -266.724+/-78.540 χ^2/NDF: 134.3/84

- sign -86.908+/-112.325 χ^2/NDF: 46.3/42



Right In: 1140.698+/-0.311 χ^2/NDF: 1212858.7/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1252.287+/-0.328 χ^2/NDF: 1028644.5/19

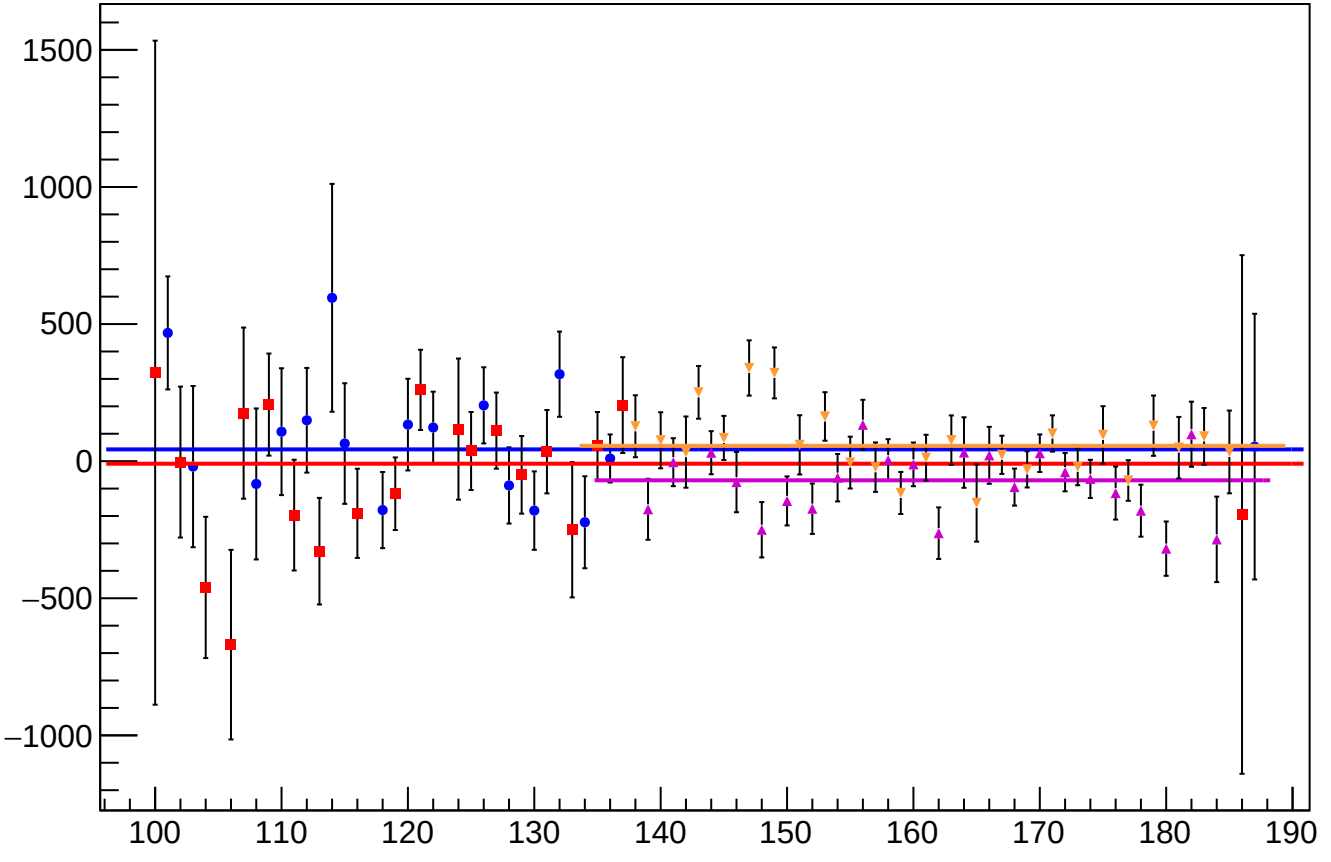
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 521.482+/-0.078 χ^2/NDF: 8034864.0/41

All: 522.428+/-0.056 χ^2/NDF: 16517023.8/84

- sign 523.416+/-0.079 χ^2/NDF: 8481856.7/42

dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.983+/-39.813 χ^2/NDF: 20.3/16

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -9.338+/-41.021 χ^2/NDF: 21.4/19

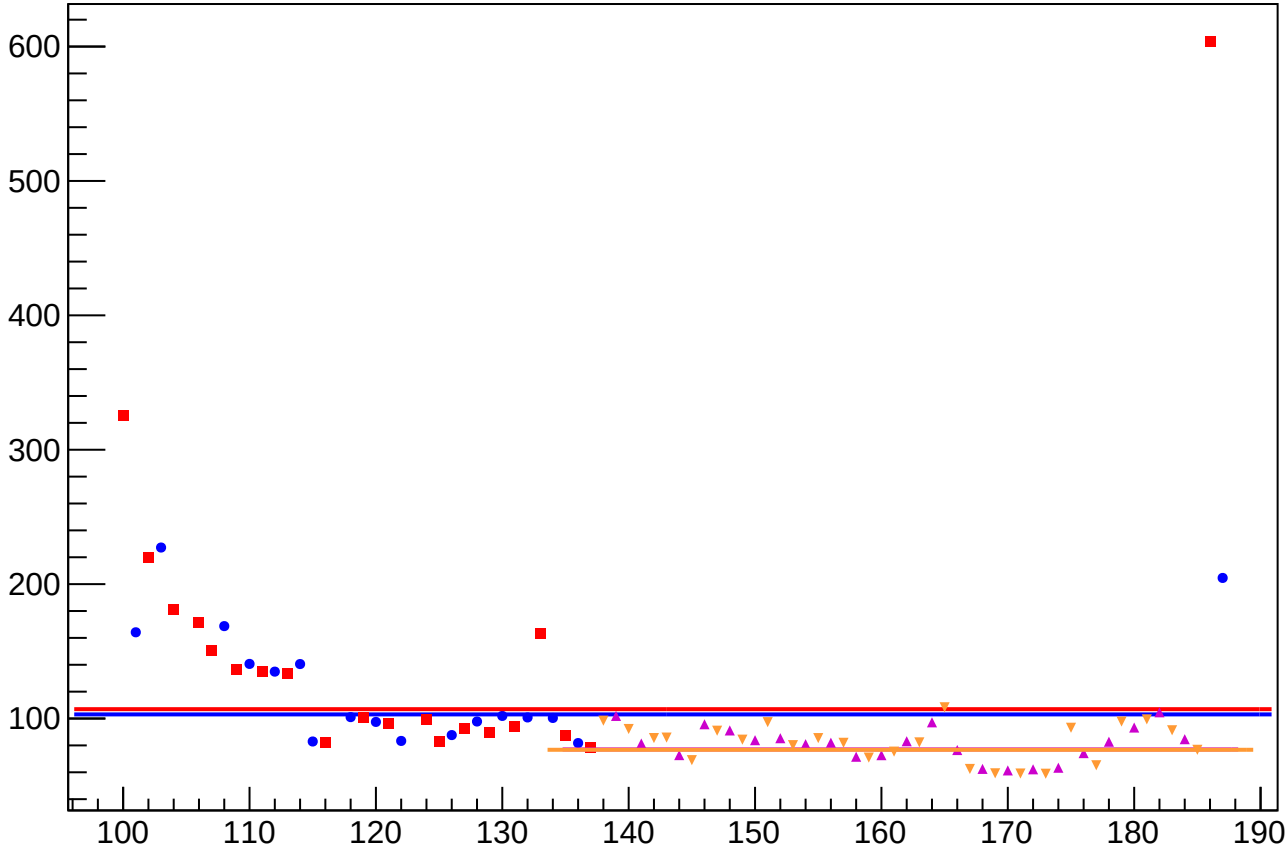
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 53.758+/-16.363 χ^2/NDF: 58.7/41

All: -1.230+/-11.743 χ^2/NDF: 139.7/84

- sign -59.620+/-16.862 χ^2/NDF: 57.7/42

dit_asym_sam_3726_avg_rms vs Slug



Right In: 103.069+/-0.028 χ^2/NDF: 1070765.7/16

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

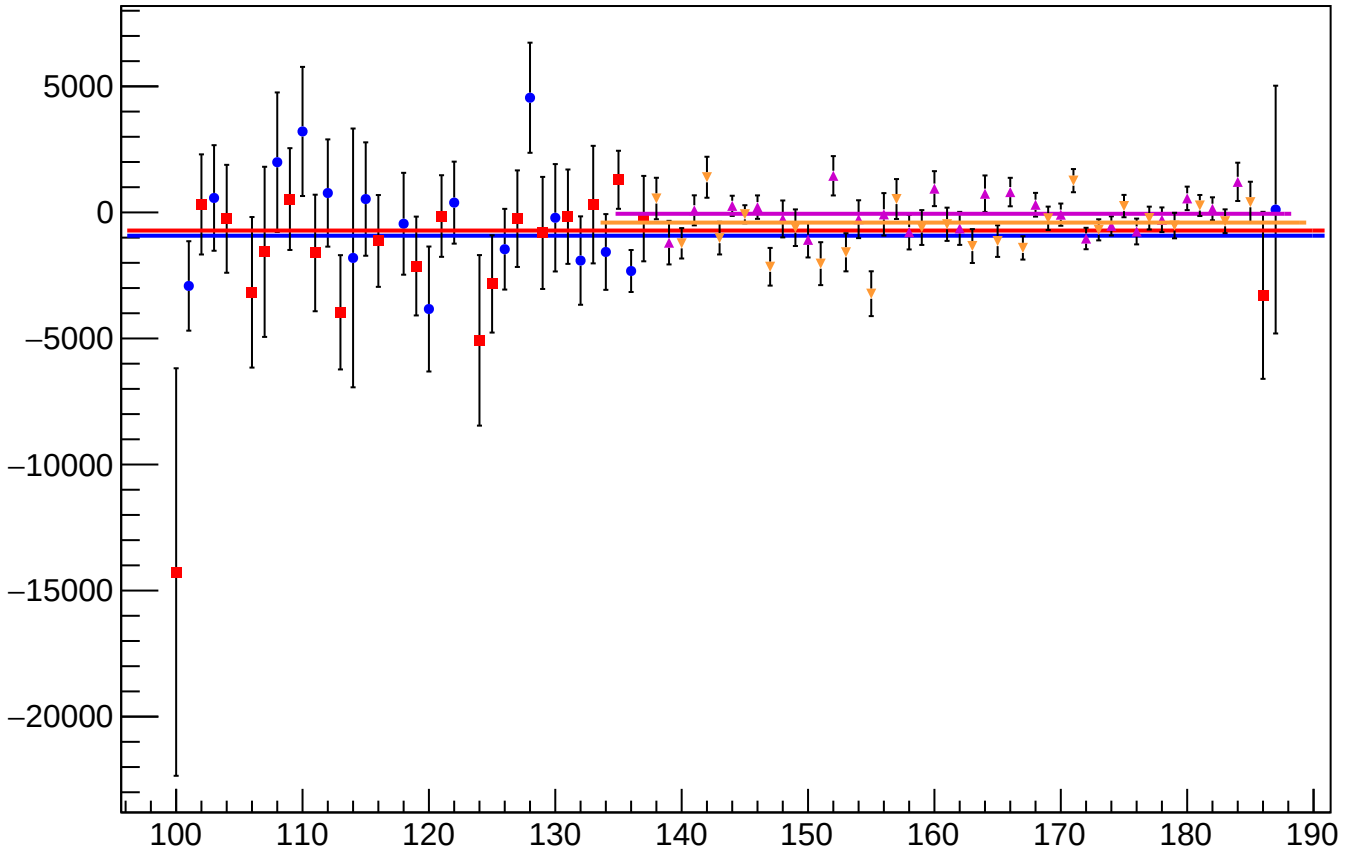
Right Out: 106.969+/-0.029 χ^2/NDF: 1744122.7/19

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 81.191+/-0.012 χ^2/NDF: 3032113.5/41

All: 81.621+/-0.008 χ^2/NDF: 6524004.5/84

- sign 82.079+/-0.012 χ^2/NDF: 3489034.8/42



Right In: -923.971+/-440.939 χ^2/NDF: 18.5/16

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -718.801+/-458.749 χ^2/NDF: 14.1/19

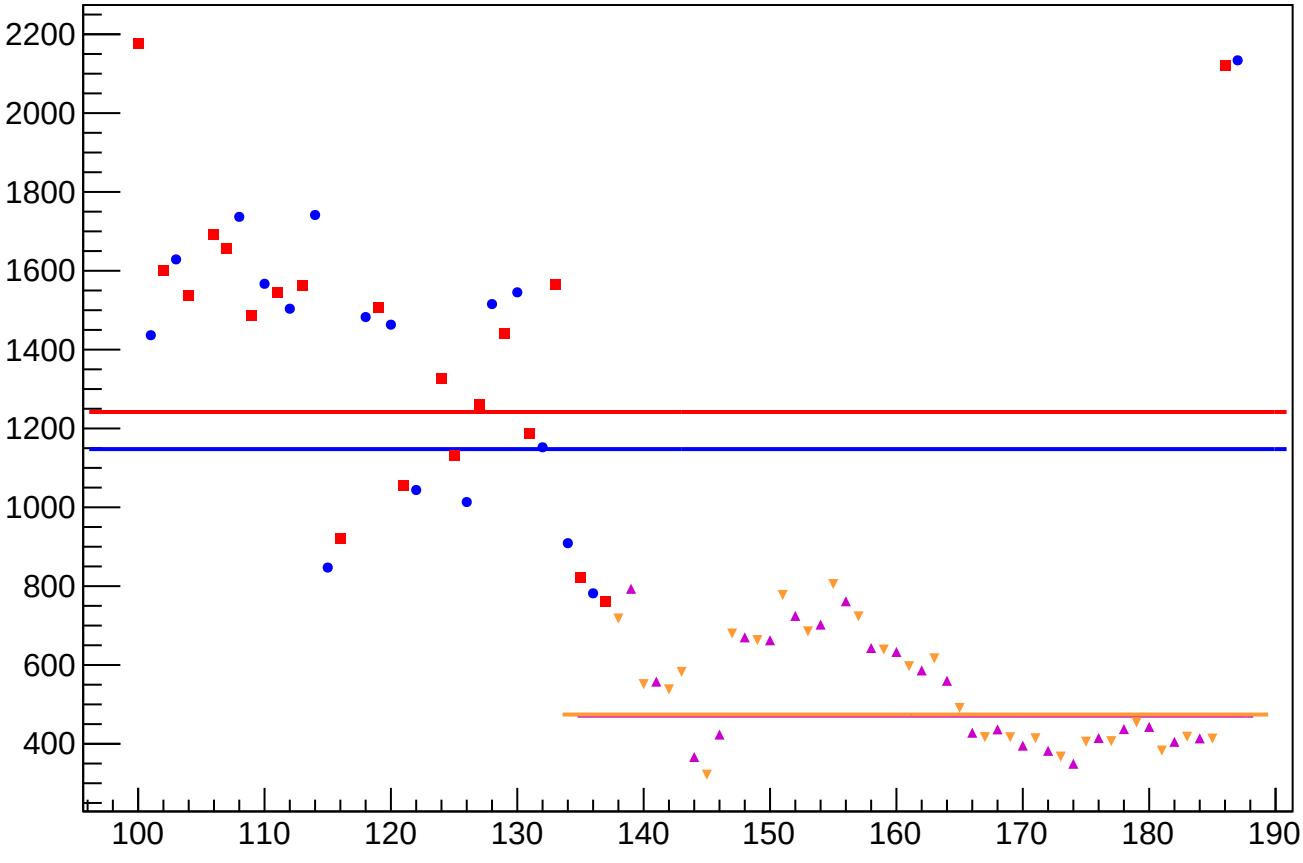
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.807+/-108.346 χ^2/NDF: 80.6/41

All: -267.785+/-77.479 χ^2/NDF: 132.2/84

- sign -92.989+/-110.839 χ^2/NDF: 46.7/42

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1147.662+/-0.312 χ^2/NDF: 1174614.0/16

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1241.823+/-0.324 χ^2/NDF: 1065919.5/19

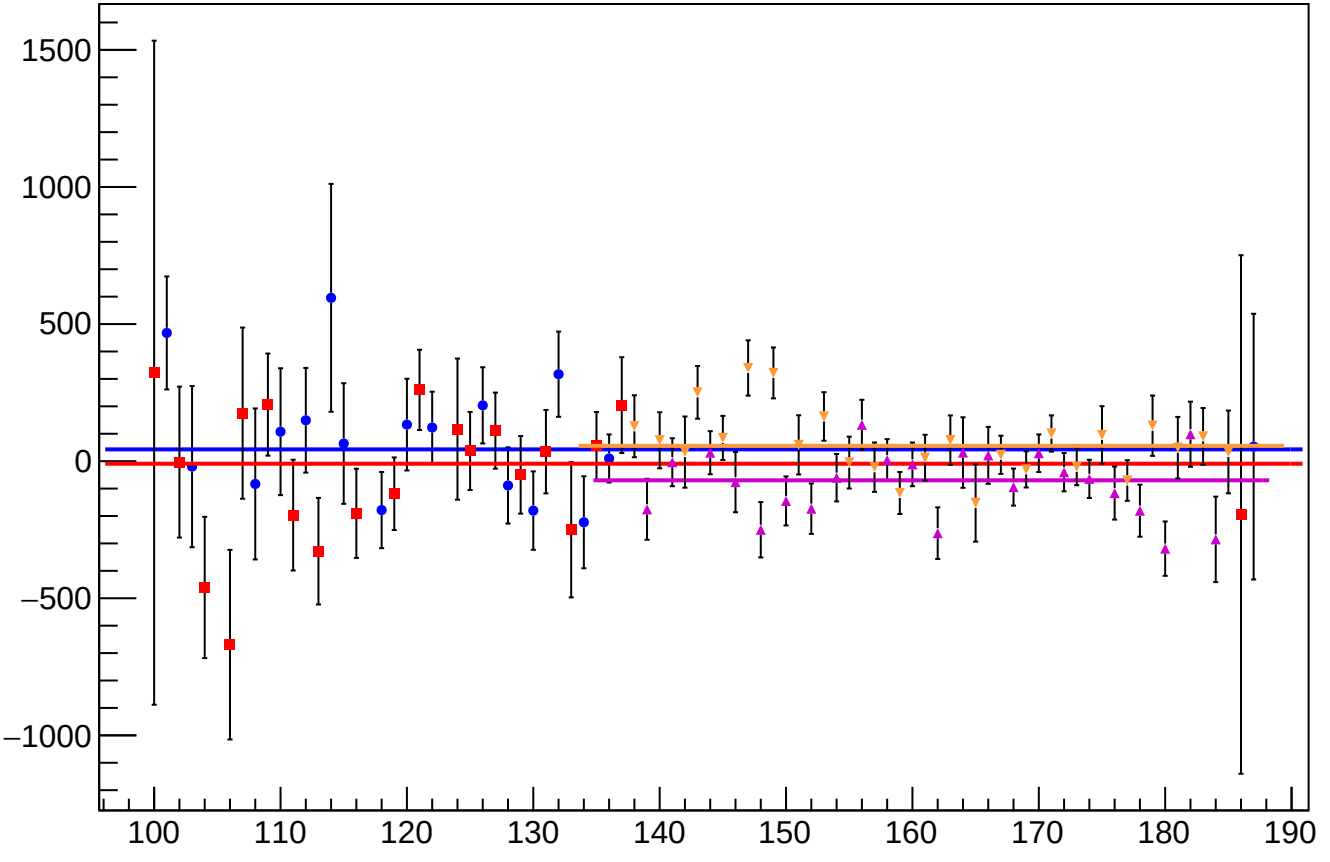
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 514.950+/-0.077 χ^2/NDF: 8096207.6/41

All: 515.672+/-0.055 χ^2/NDF: 16682373.9/84

- sign 516.427+/-0.078 χ^2/NDF: 8585984.7/42

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 42.983+/-39.813 χ^2/NDF: 20.3/16

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -9.335+/-41.021 χ^2/NDF: 21.4/19

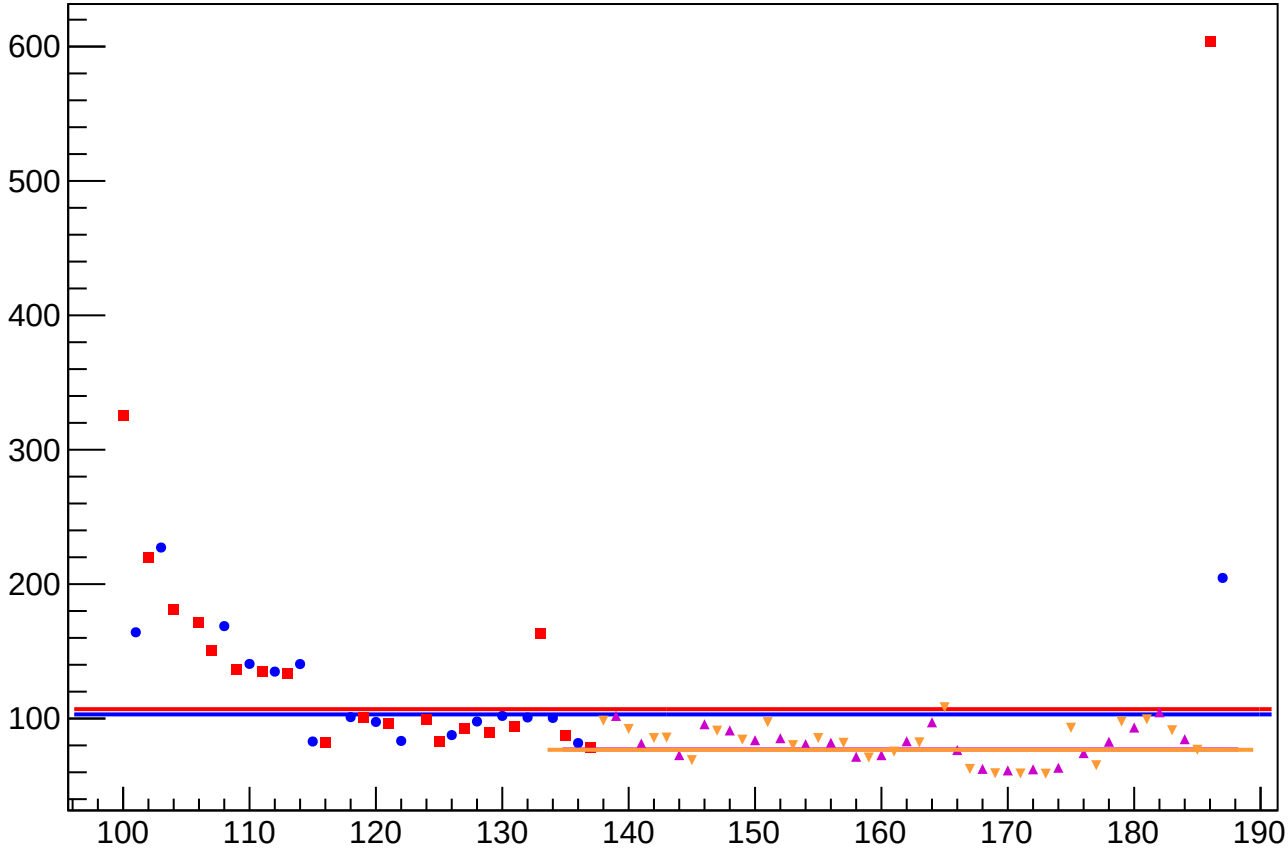
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 53.758+/-16.363 χ^2/NDF: 58.7/41

All: -1.230+/-11.743 χ^2/NDF: 139.7/84

- sign -59.619+/-16.862 χ^2/NDF: 57.7/42

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 103.069+/-0.028 χ^2/NDF: 1070763.2/16

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

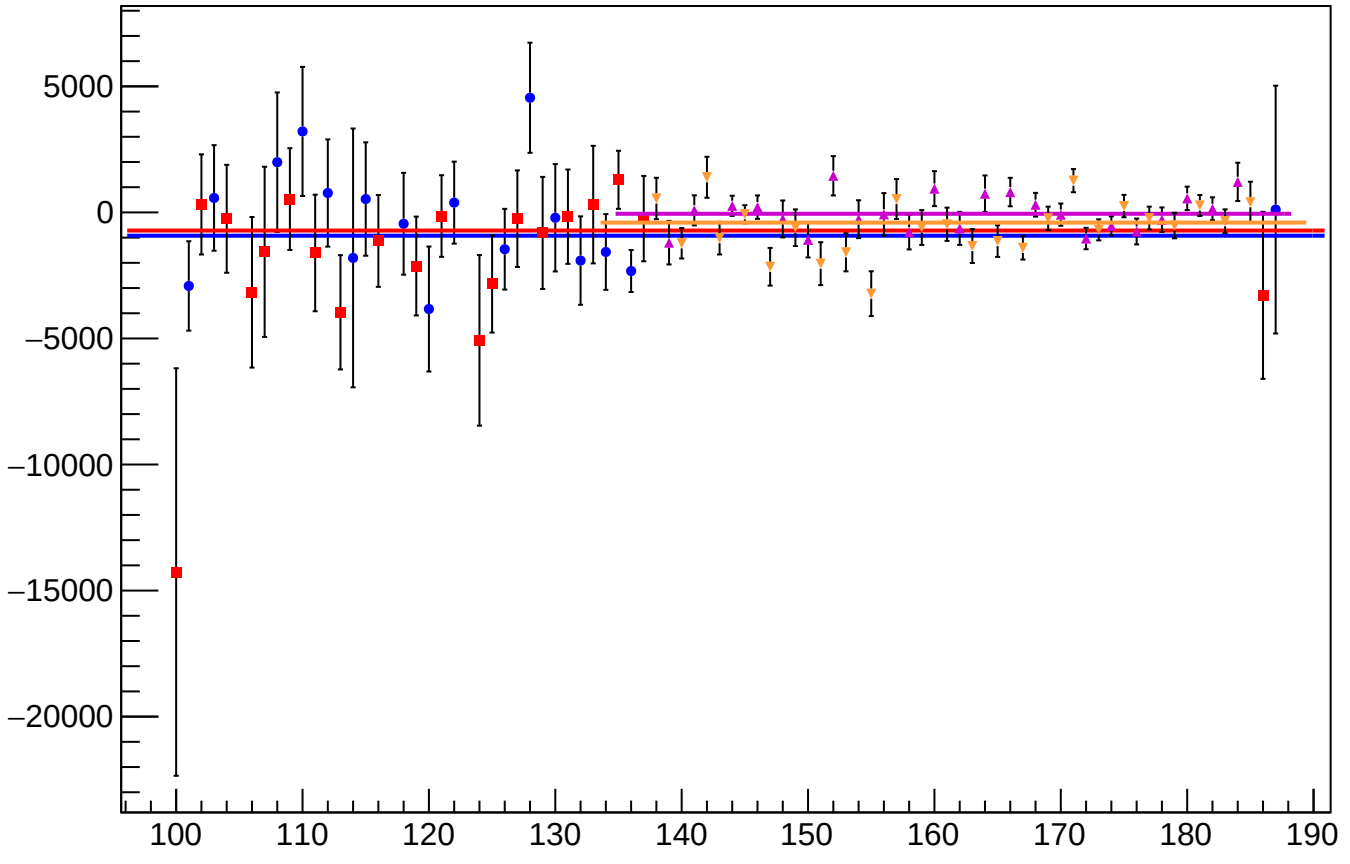
Right Out: 106.969+/-0.029 χ^2/NDF: 1744125.5/19

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 81.191+/-0.012 χ^2/NDF: 3032084.4/41

All: 81.622+/-0.008 χ^2/NDF: 6523947.6/84

- sign 82.079+/-0.012 χ^2/NDF: 3489006.7/42



Right In: -923.966+/-440.938 χ^2/NDF: 18.5/16

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

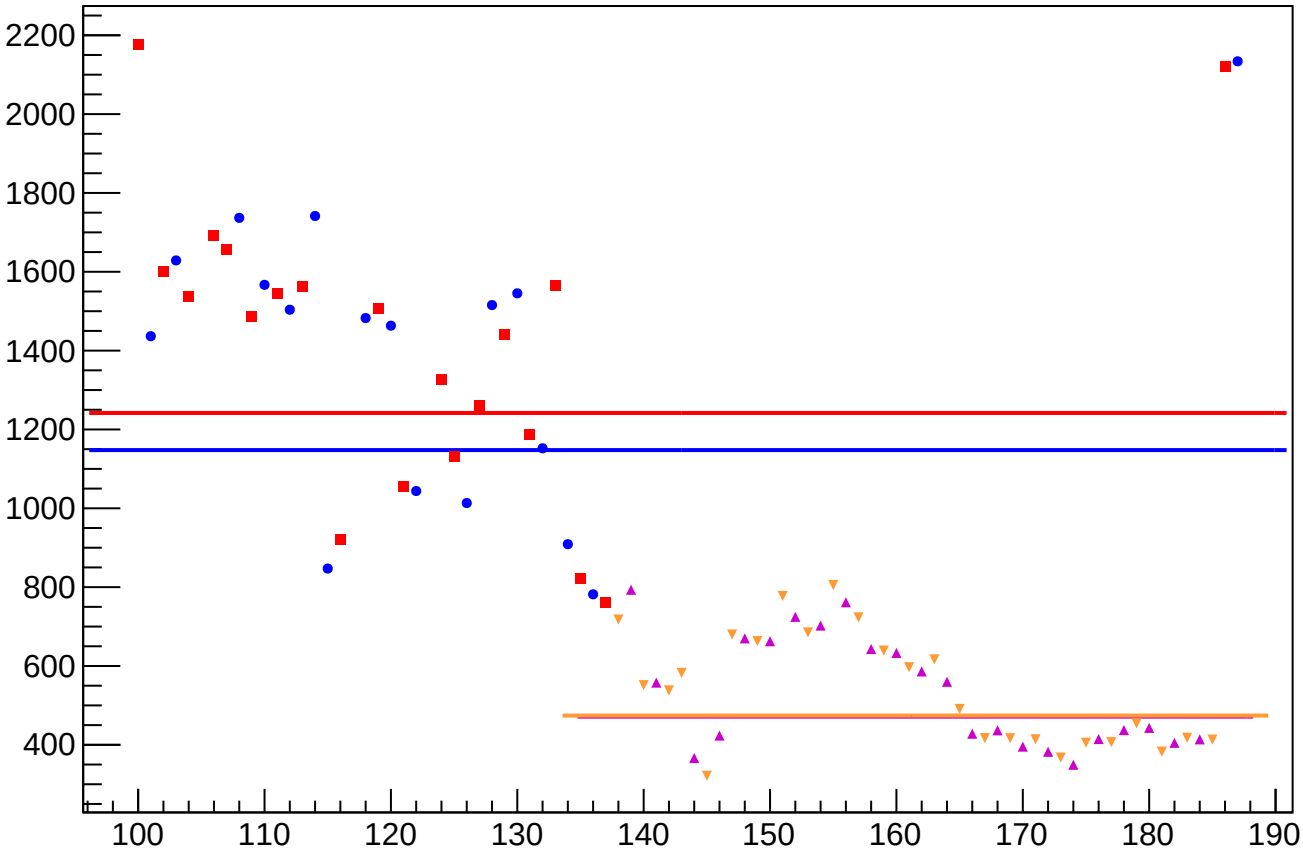
Right Out: -718.801+/-458.748 χ^2/NDF: 14.1/19

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -434.807+/-108.346 χ^2/NDF: 80.6/41

All: -267.785+/-77.479 χ^2/NDF: 132.2/84

- sign -92.990+/-110.839 χ^2/NDF: 46.7/42



Right In: 1147.661+/-0.312 χ^2/NDF: 1174600.9/16

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1241.821+/-0.324 χ^2/NDF: 1065909.4/19

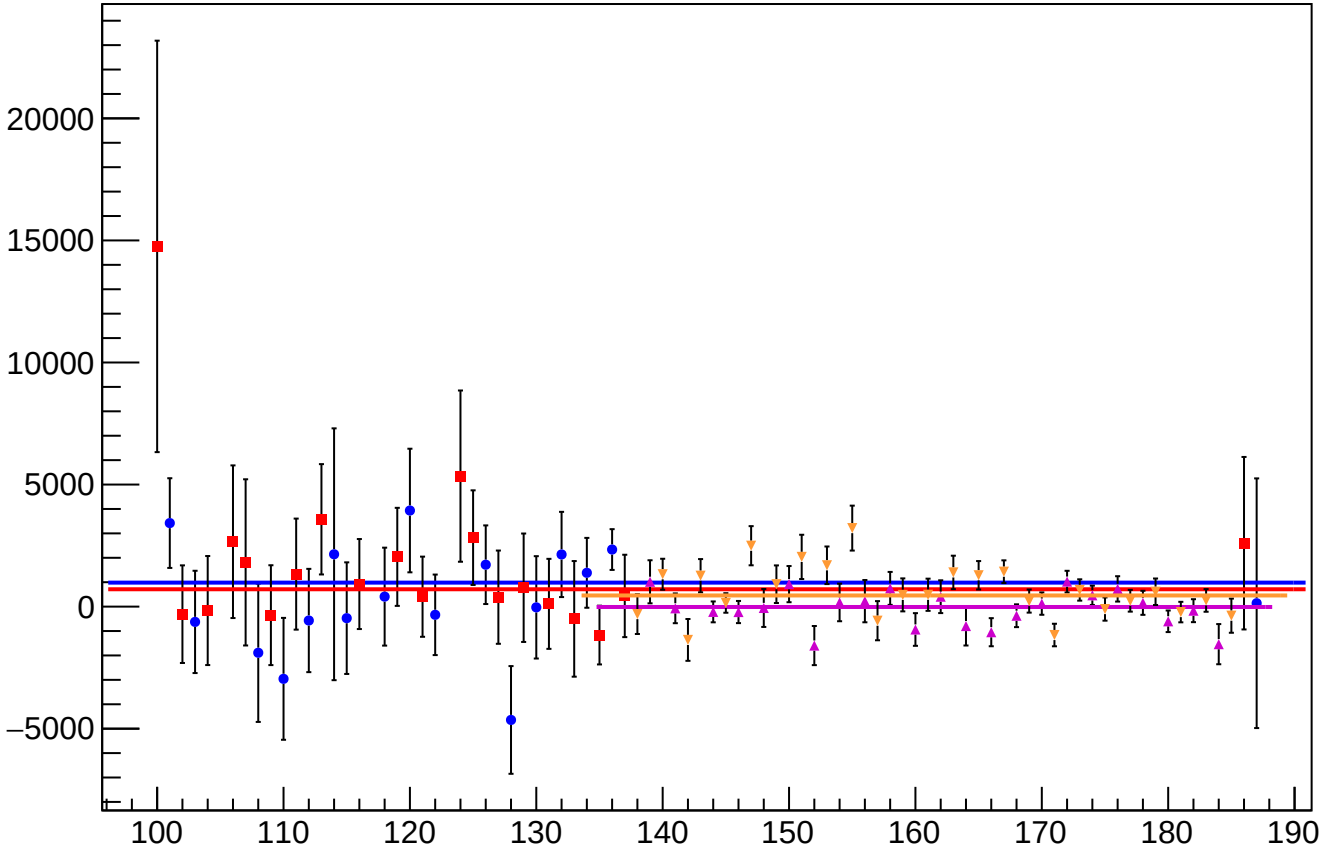
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 514.950+/-0.077 χ^2/NDF: 8096199.5/41

All: 515.672+/-0.055 χ^2/NDF: 16682346.6/84

- sign 516.427+/-0.078 χ^2/NDF: 8585965.4/42

asym_sam_3726_avg_mean vs Slug



Right In: 982.998+/-440.985 χ^2/NDF: 19.1/16

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 710.973+/-465.556 χ^2/NDF: 12.2/19

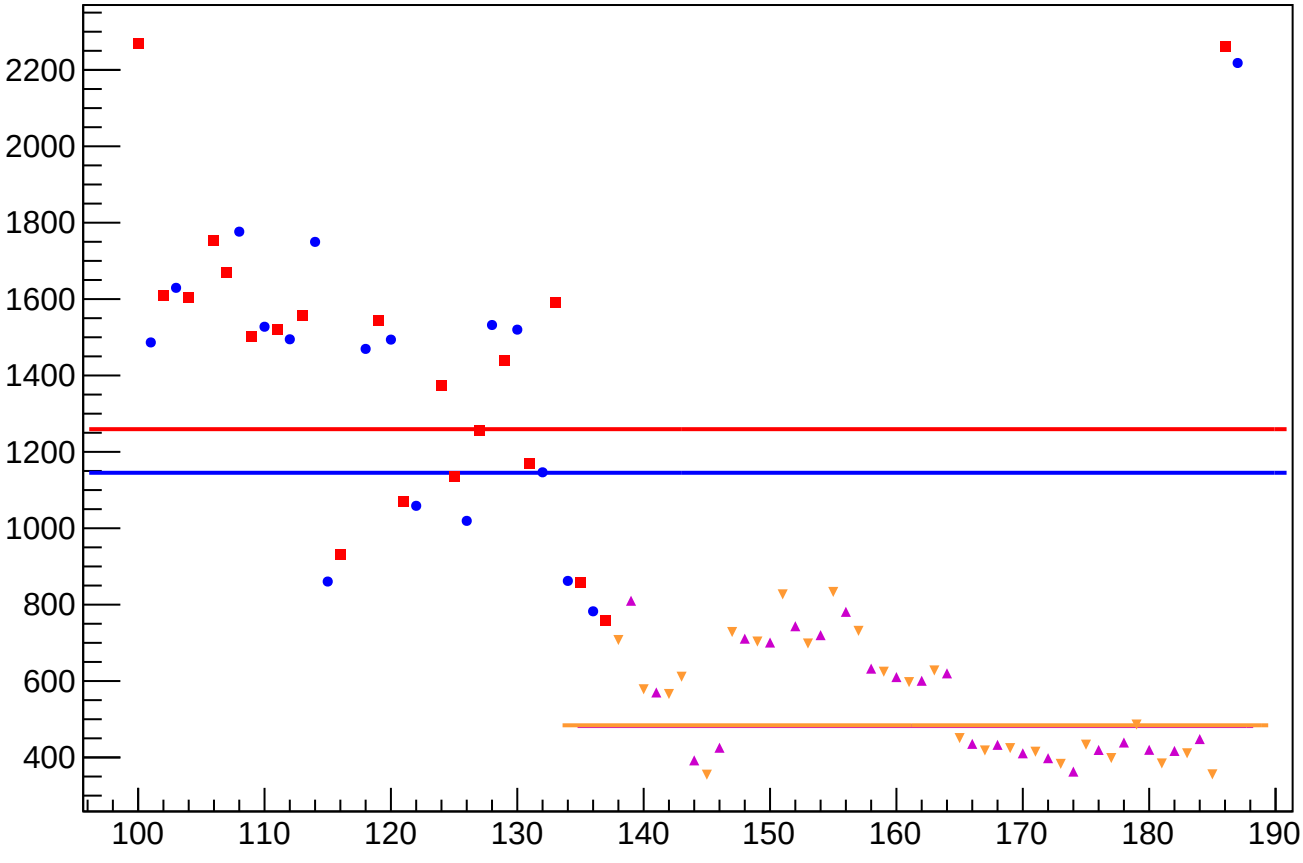
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 490.408+/-110.690 χ^2/NDF: 79.8/41

All: 264.303+/-79.142 χ^2/NDF: 133.1/84

- sign 27.836+/-113.199 χ^2/NDF: 44.8/42

asym_sam_3726_avg_rms vs Slug



Right In: 1145.258+/-0.312 χ^2/NDF: 1212382.3/16

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

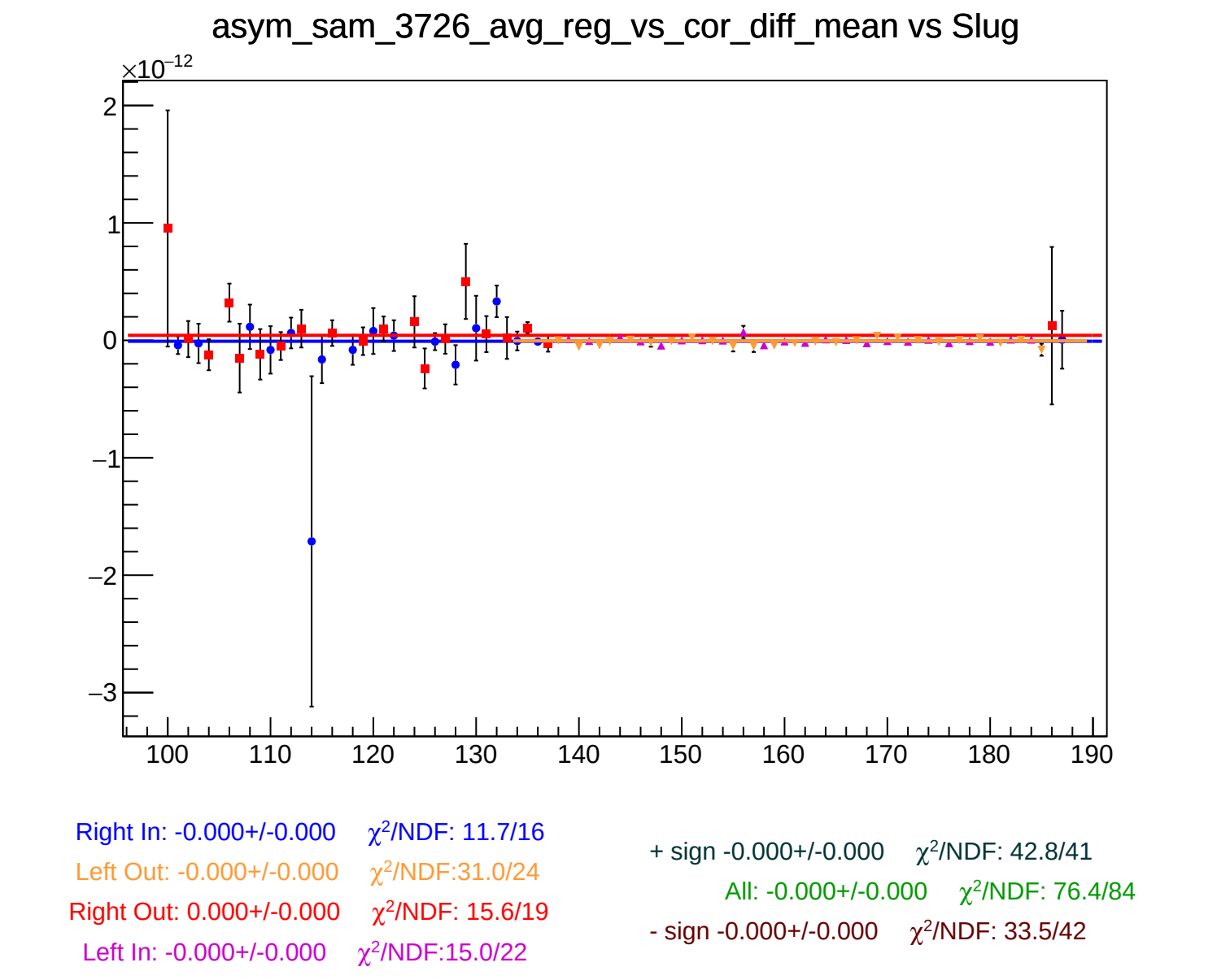
Right Out: 1259.433+/-0.329 χ^2/NDF: 1063443.5/19

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

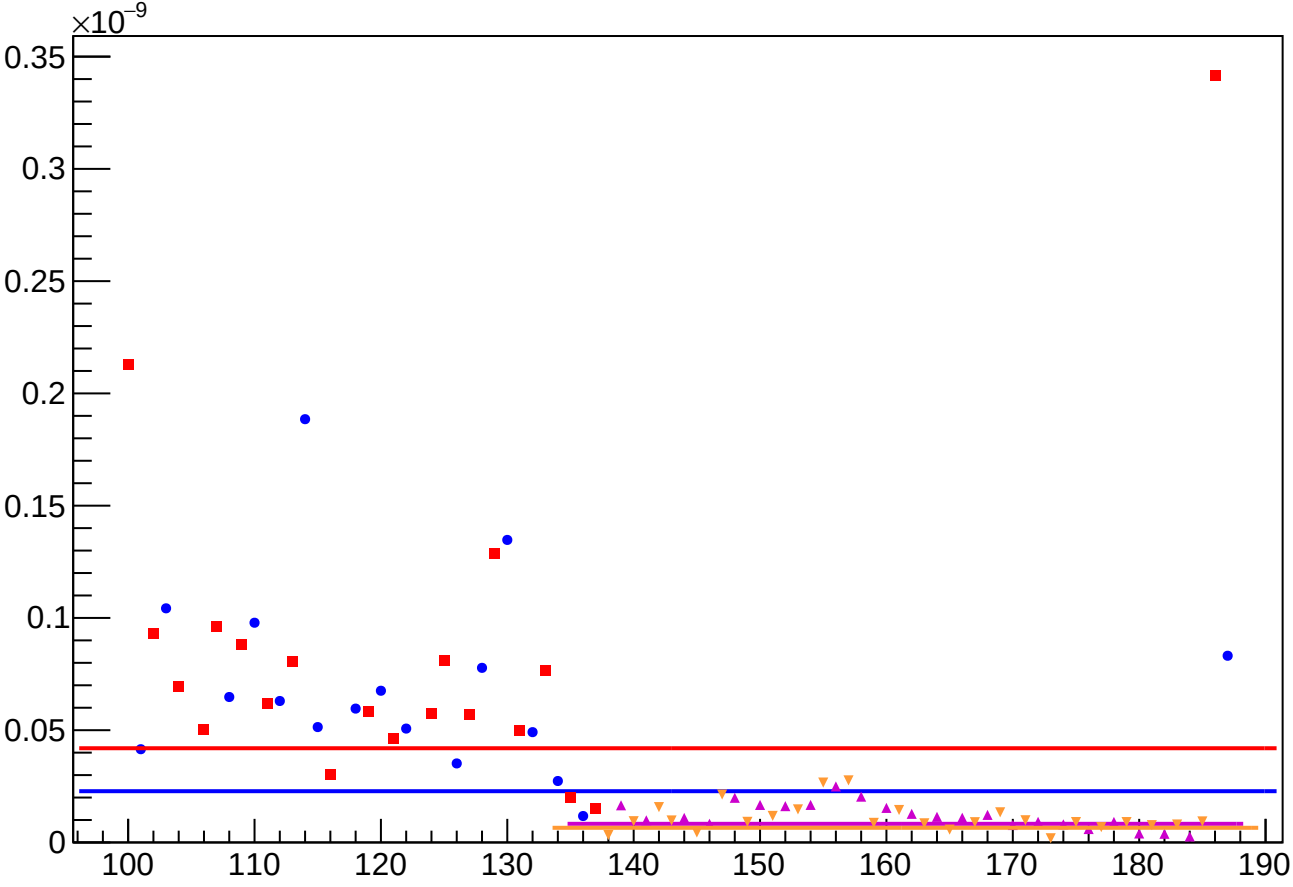
+ sign 525.782+/-0.078 χ^2/NDF: 7972909.9/41

All: 526.921+/-0.056 χ^2/NDF: 16468730.8/84

- sign 528.112+/-0.080 χ^2/NDF: 8495387.7/42


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.7/16
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/19
Left In: -0.000+/-0.000 χ²/NDF:15.0/22
+ sign -0.000+/-0.000 χ²/NDF: 42.8/41
All: -0.000+/-0.000 χ²/NDF: 76.4/84
- sign -0.000+/-0.000 χ²/NDF: 33.5/42

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2972875.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2248046.8/19

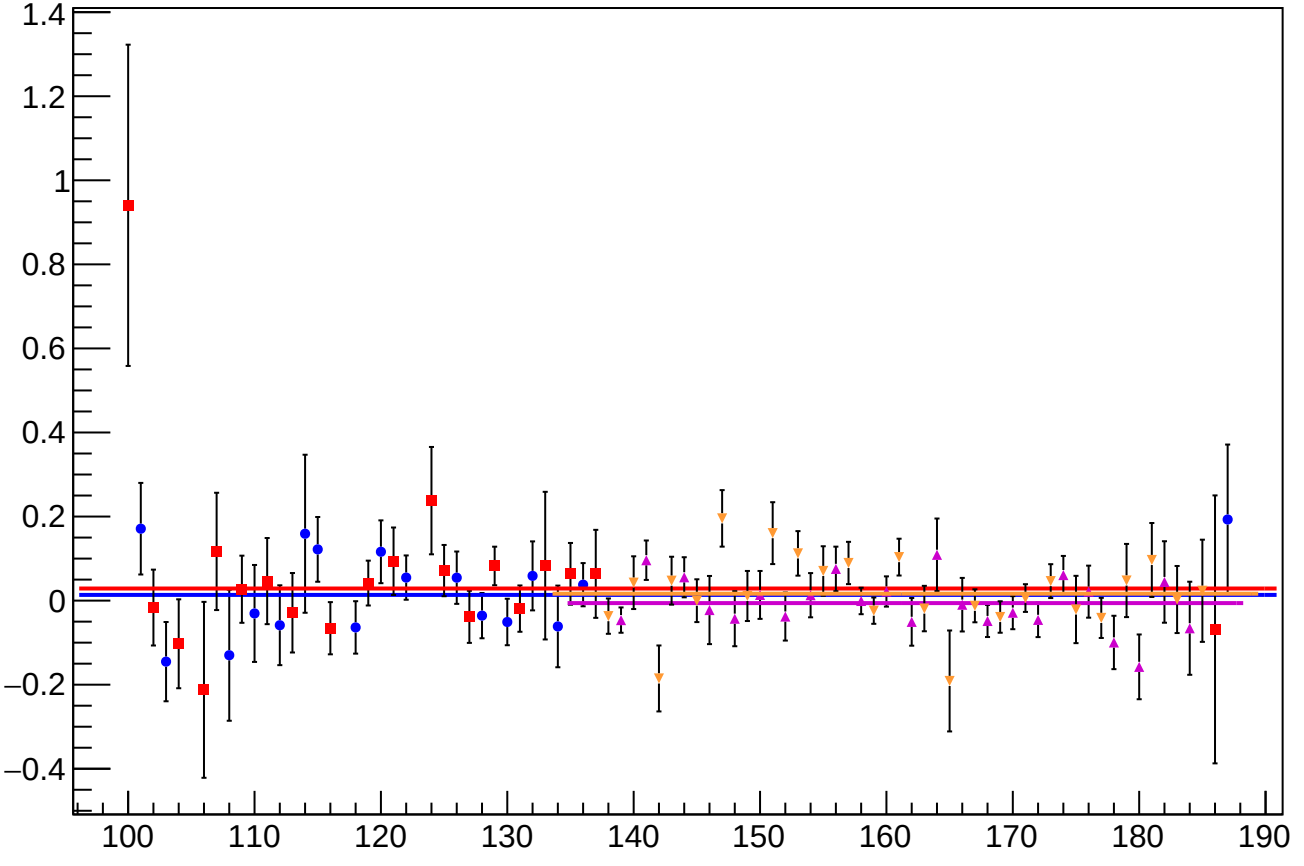
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8426916.2/41

All: 0.000+/-0.000 χ^2/NDF: 16814574.0/84

- sign 0.000+/-0.000 χ^2/NDF: 8086245.2/42

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.029+/-0.018 χ^2/NDF: 19.6/19

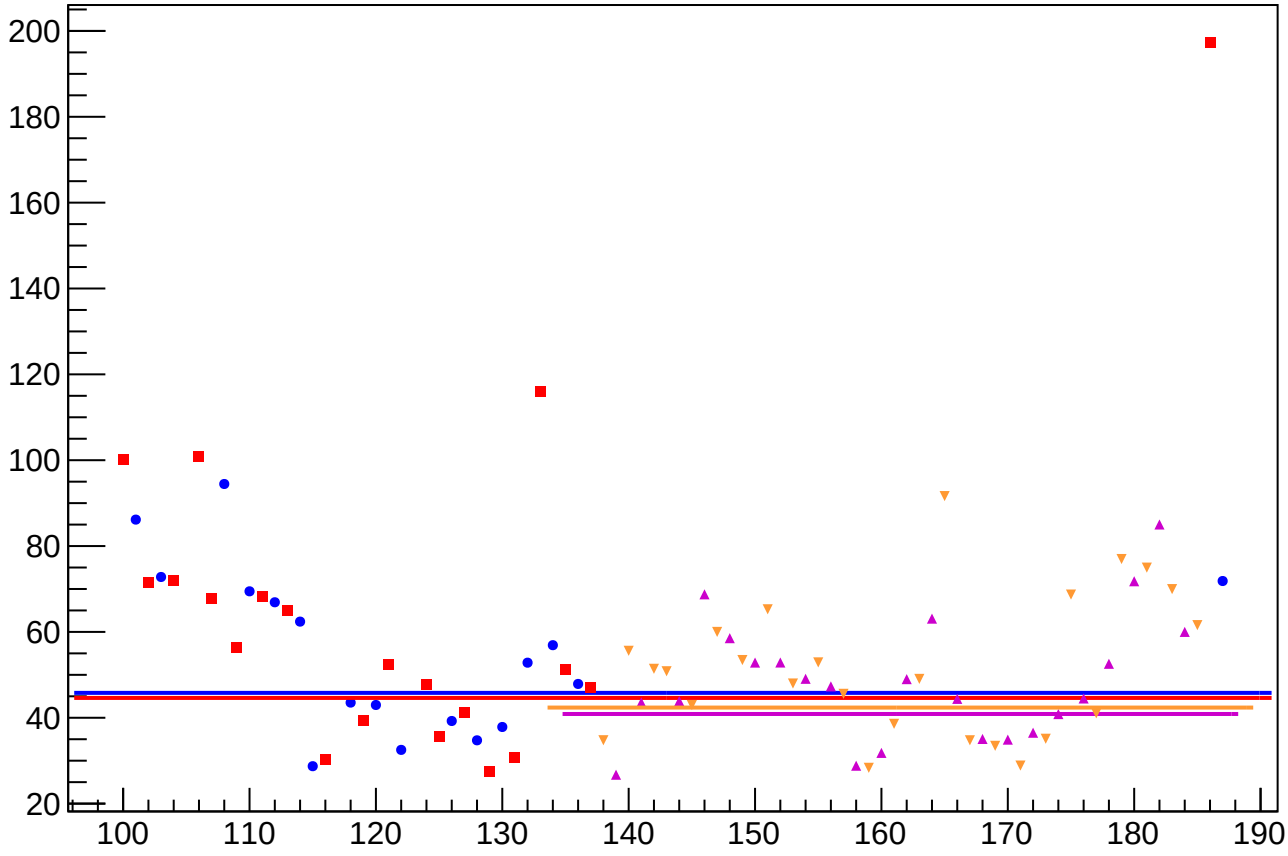
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 59.0/41

All: 0.009+/-0.006 χ^2/NDF: 108.4/84

- sign 0.003+/-0.009 χ^2/NDF: 48.4/42

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.800+/-0.013 χ^2/NDF: 1297129.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

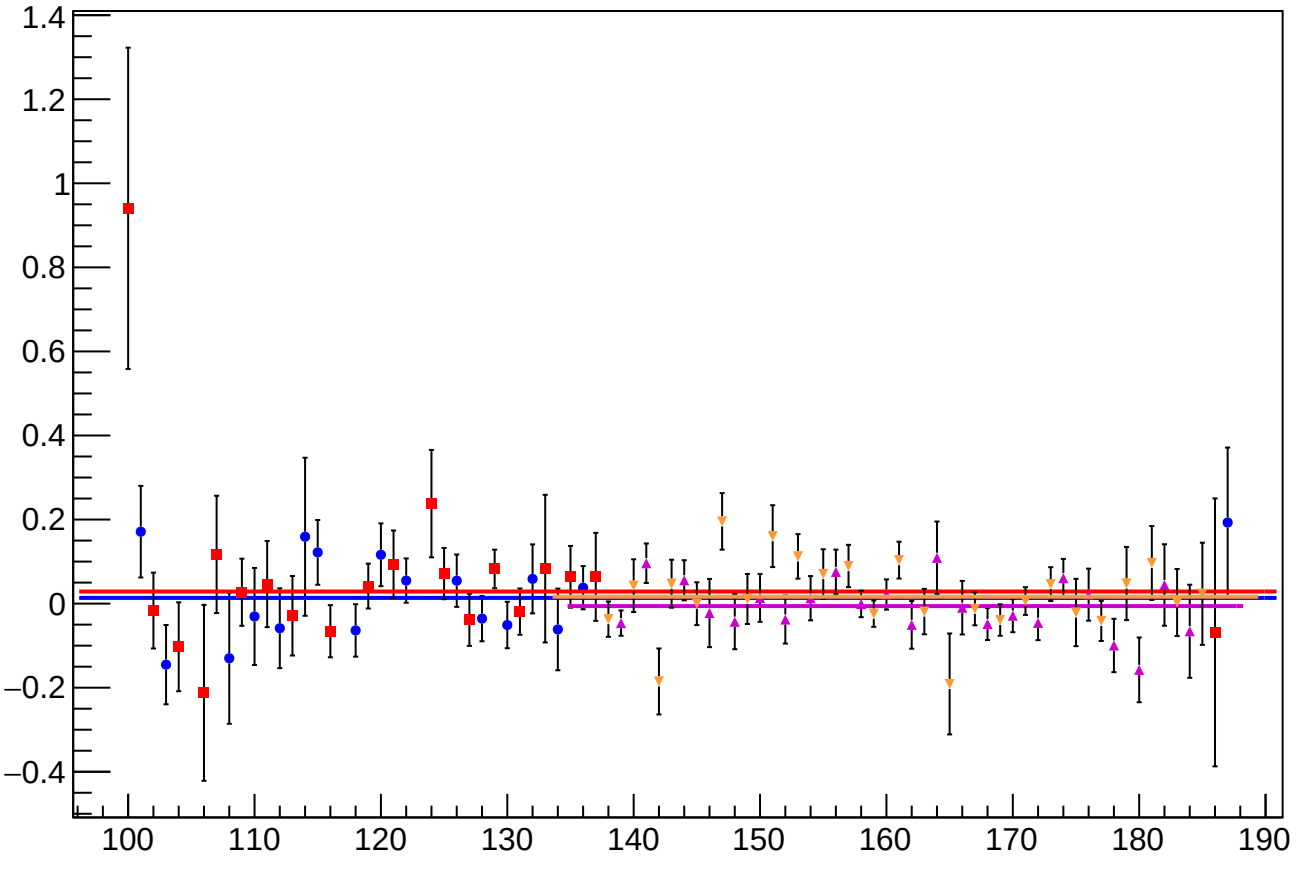
Right Out: 44.621+/-0.013 χ^2/NDF: 2203531.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.210+/-0.006 χ^2/NDF: 4541523.5/41

All: 42.504+/-0.004 χ^2/NDF: 9513668.4/84

- sign 41.812+/-0.006 χ^2/NDF: 4947777.8/42



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.029+/-0.018 χ^2/NDF: 19.6/19

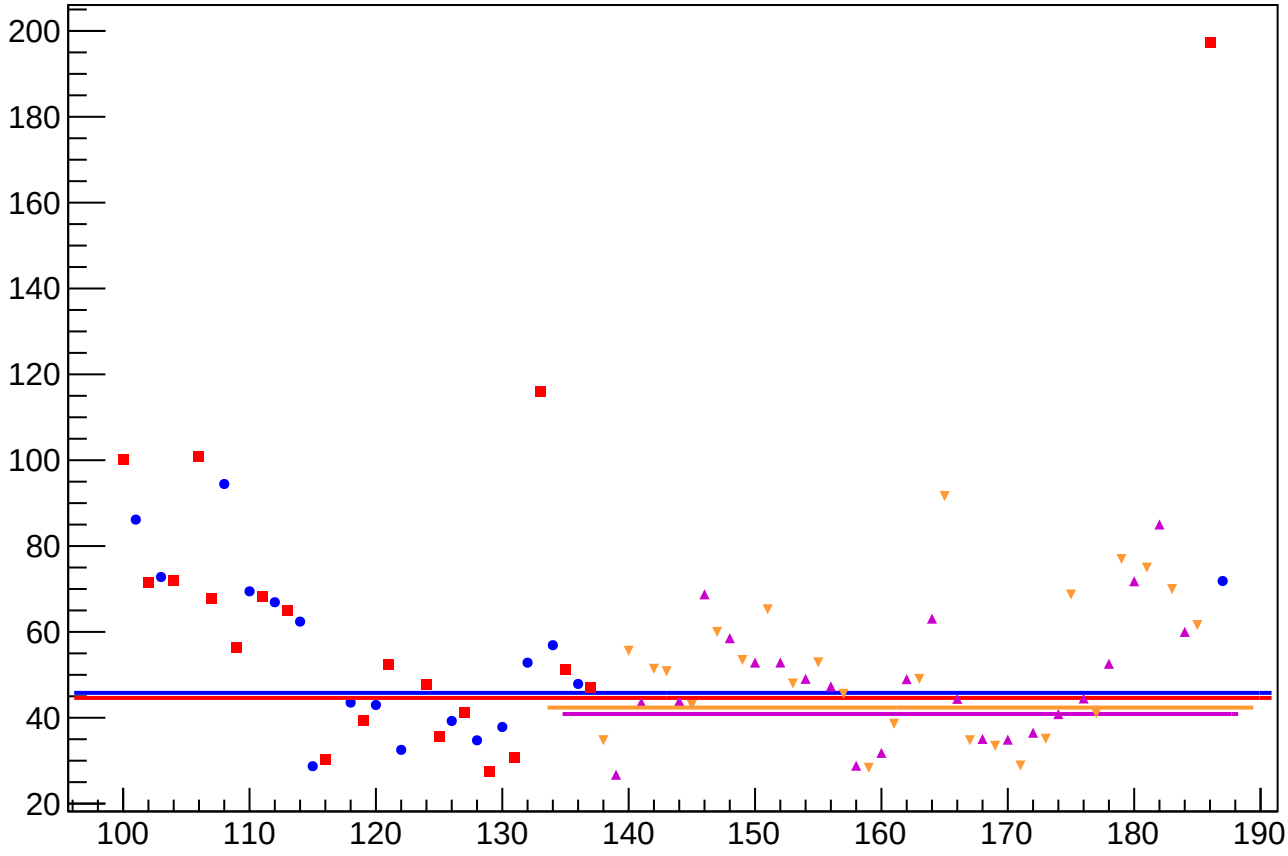
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 59.0/41

All: 0.009+/-0.006 χ^2/NDF: 108.4/84

- sign 0.003+/-0.009 χ^2/NDF: 48.4/42

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.800+/-0.013 χ^2/NDF: 1297129.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

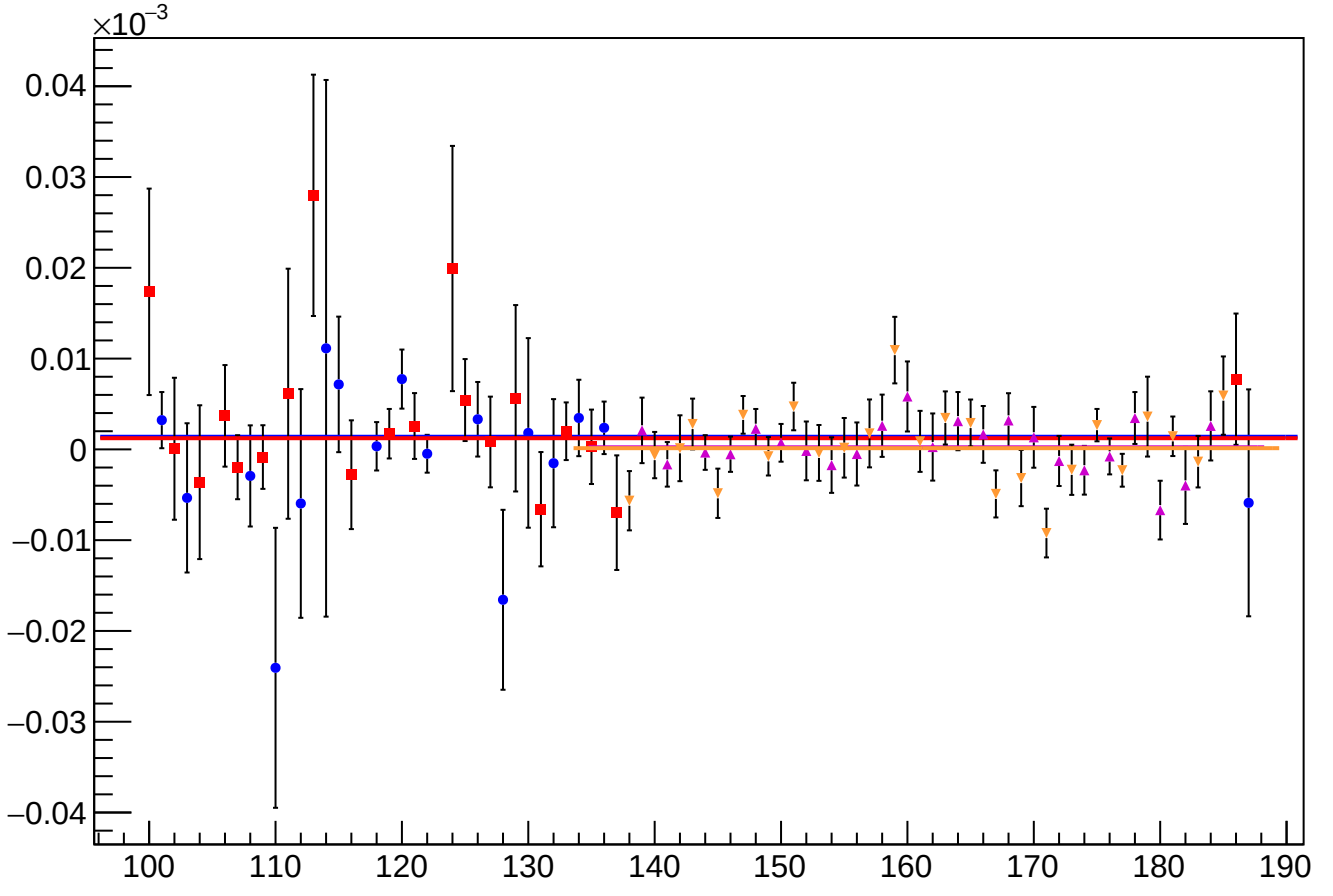
Right Out: 44.621+/-0.013 χ^2/NDF: 2203531.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.210+/-0.006 χ^2/NDF: 4541523.5/41

All: 42.504+/-0.004 χ^2/NDF: 9513668.4/84

- sign 41.812+/-0.006 χ^2/NDF: 4947777.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

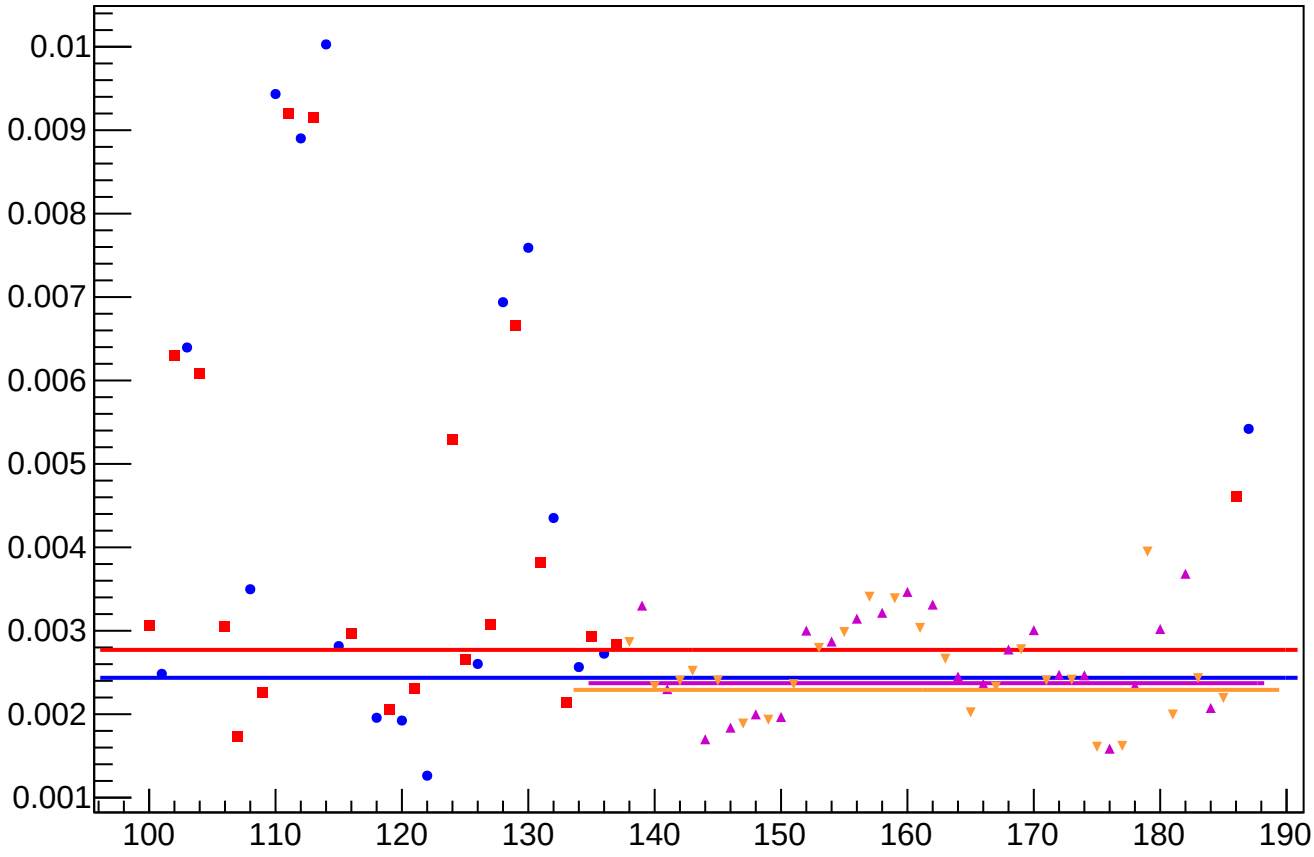
Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/19

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.6/41

All: 0.000+/-0.000 χ^2/NDF: 97.8/84

- sign 0.000+/-0.000 χ^2/NDF: 32.1/42



Right In: 0.002+/-0.000 χ^2/NDF: 3546875.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

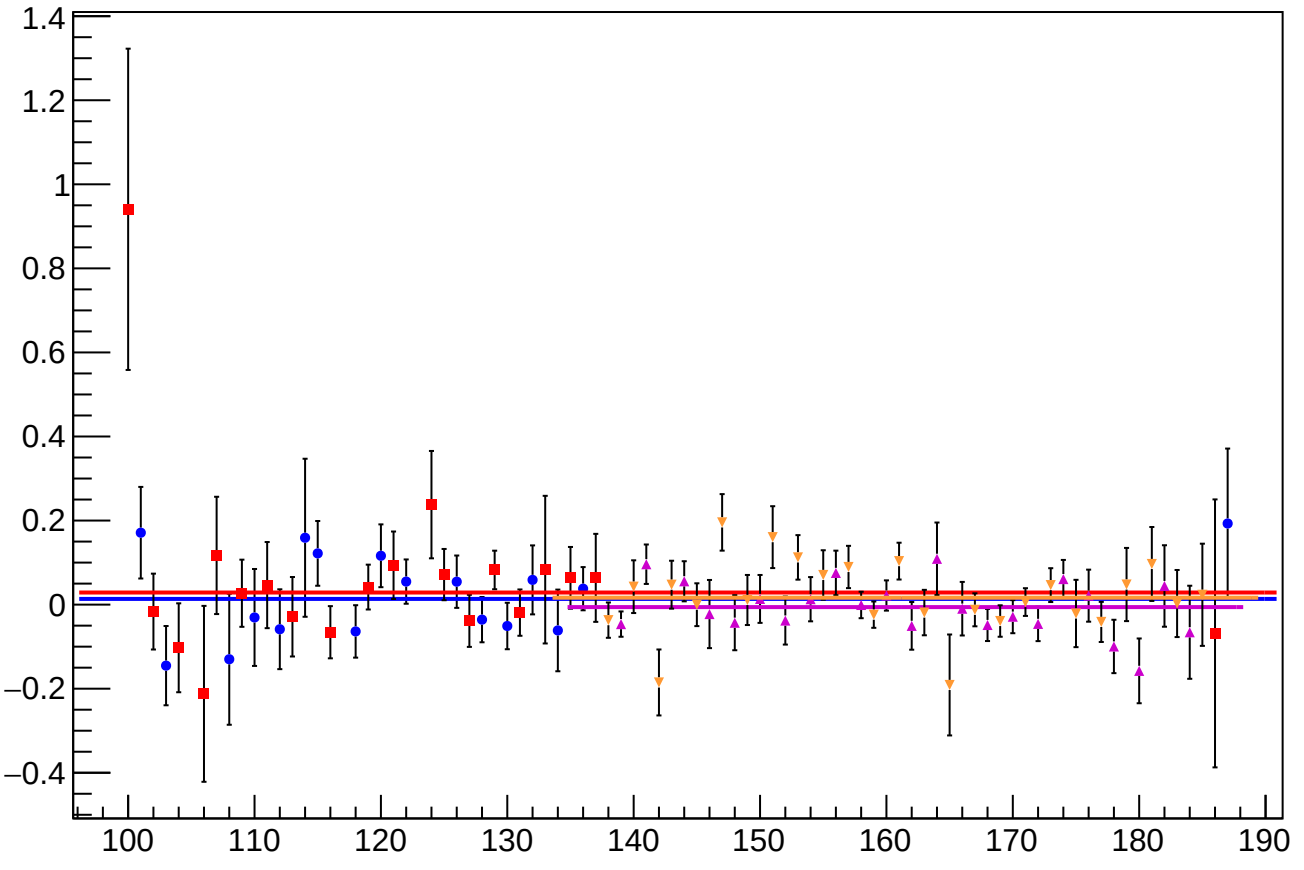
Right Out: 0.003+/-0.000 χ^2/NDF: 2637979.9/19

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5396358.4/41

All: 0.002+/-0.000 χ^2/NDF: 10332735.3/84

- sign 0.002+/-0.000 χ^2/NDF: 4862089.3/42



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.029+/-0.018 χ^2/NDF: 19.6/19

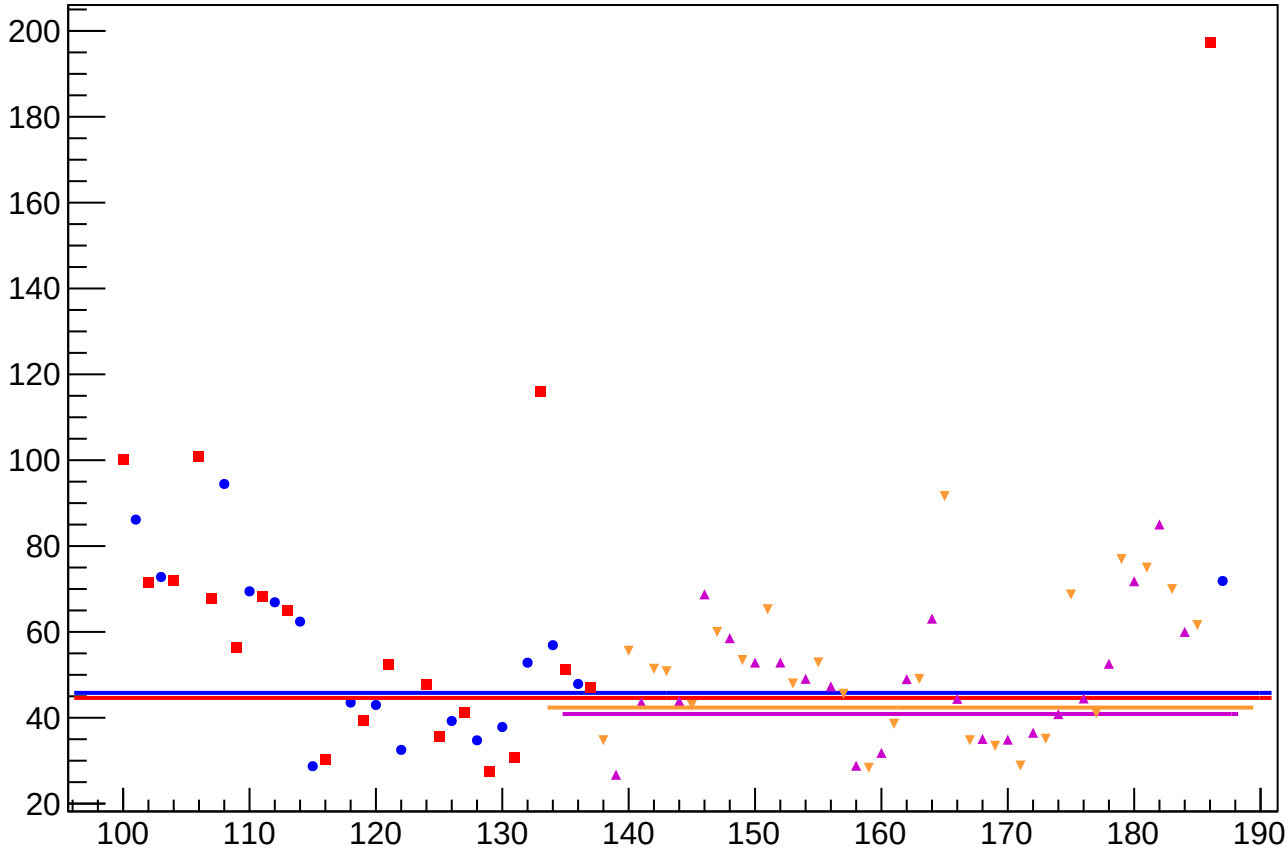
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.016+/-0.009 χ^2/NDF: 59.0/41

All: 0.009+/-0.006 χ^2/NDF: 108.4/84

- sign 0.003+/-0.009 χ^2/NDF: 48.4/42

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 45.800+/-0.013 χ^2/NDF: 1297093.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

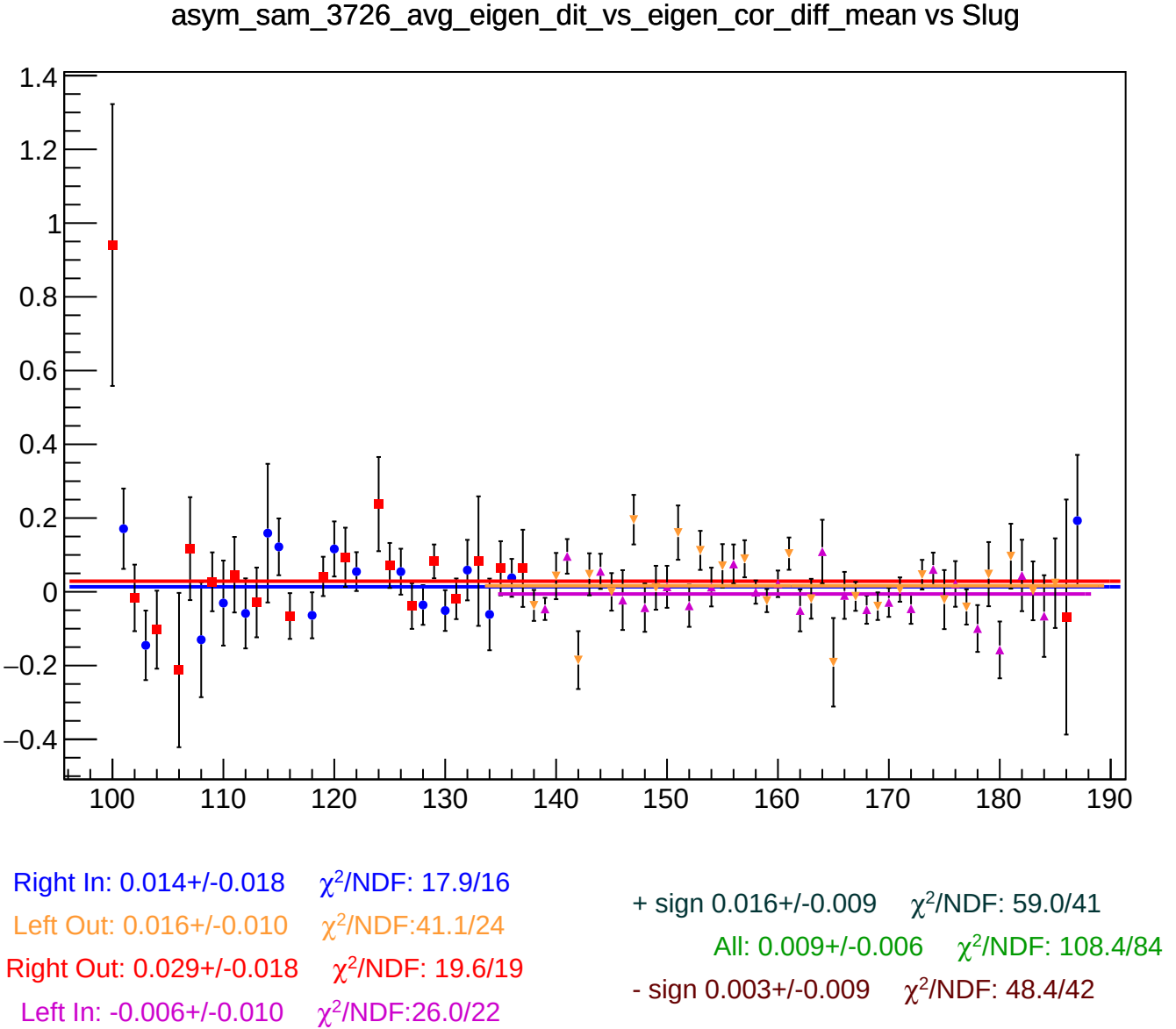
Right Out: 44.622+/-0.013 χ^2/NDF: 2203448.7/19

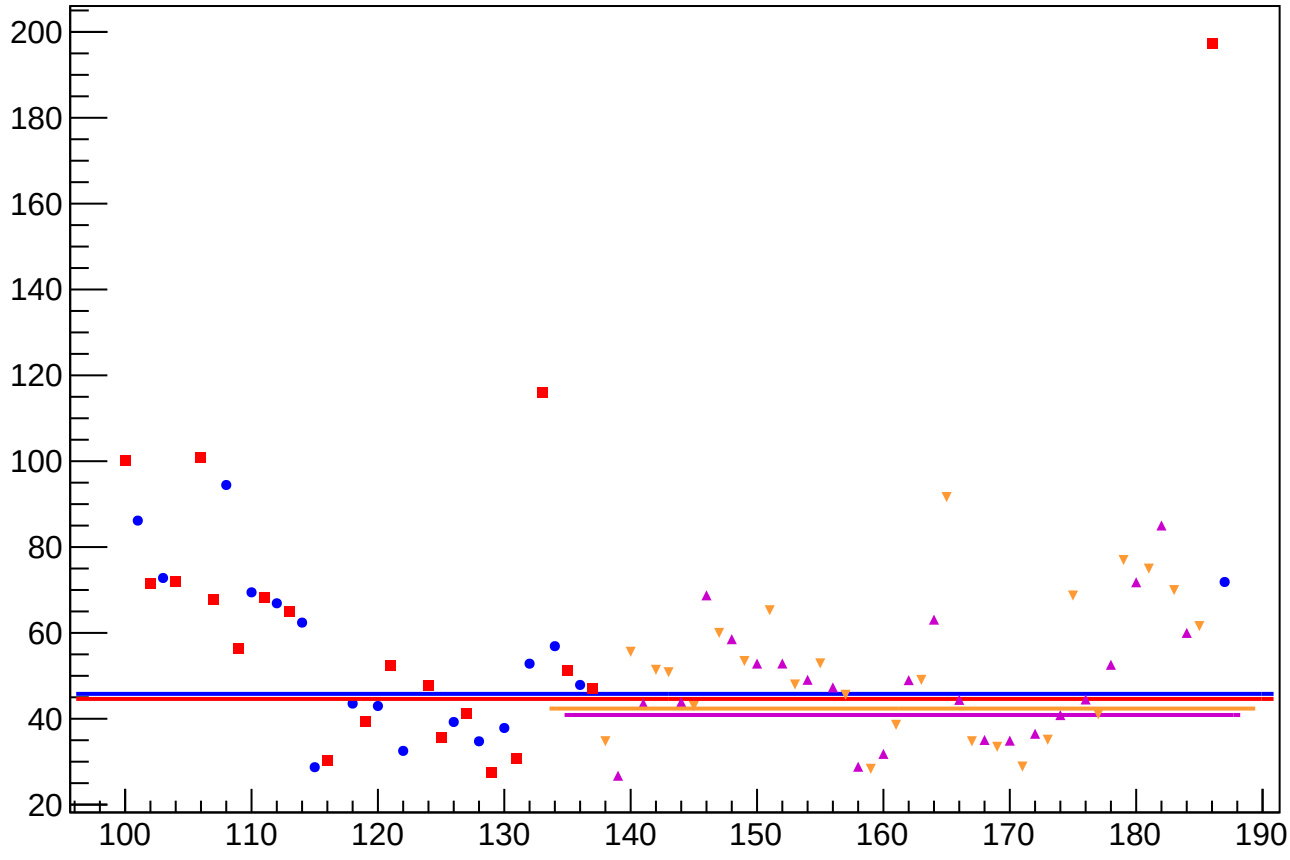
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.210+/-0.006 χ^2/NDF: 4541506.3/41

All: 42.505+/-0.004 χ^2/NDF: 9513581.4/84

- sign 41.813+/-0.006 χ^2/NDF: 4947712.5/42


asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.014+/-0.018 χ²/NDF: 17.9/16
Left Out: 0.016+/-0.010 χ²/NDF:41.1/24
Right Out: 0.029+/-0.018 χ²/NDF: 19.6/19
Left In: -0.006+/-0.010 χ²/NDF:26.0/22
+ sign 0.016+/-0.009 χ²/NDF: 59.0/41
All: 0.009+/-0.006 χ²/NDF: 108.4/84
- sign 0.003+/-0.009 χ²/NDF: 48.4/42



Right In: 45.800+/-0.013 χ^2/NDF: 1297093.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

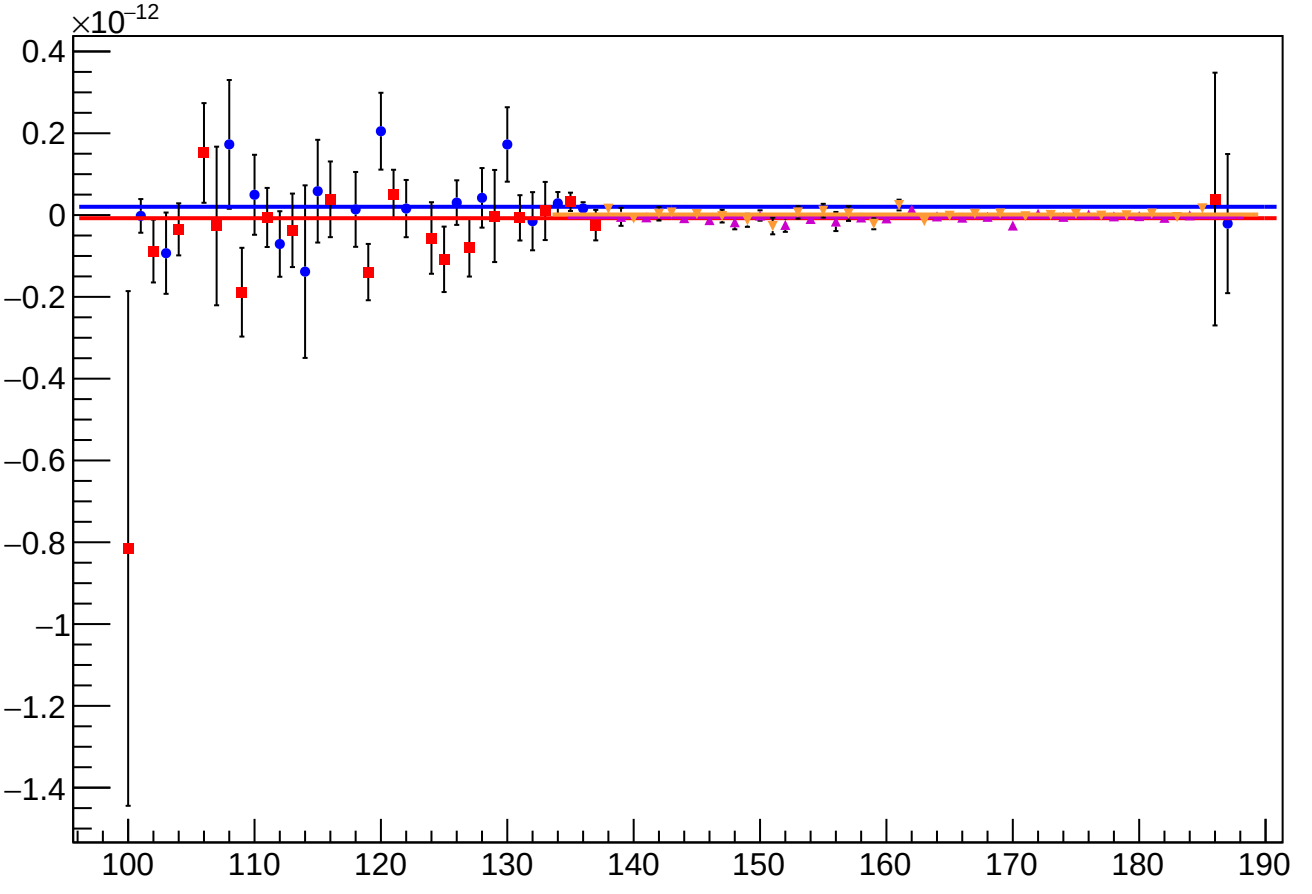
Right Out: 44.622+/-0.013 χ^2/NDF: 2203448.7/19

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.210+/-0.006 χ^2/NDF: 4541506.3/41

All: 42.505+/-0.004 χ^2/NDF: 9513581.4/84

- sign 41.813+/-0.006 χ^2/NDF: 4947712.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

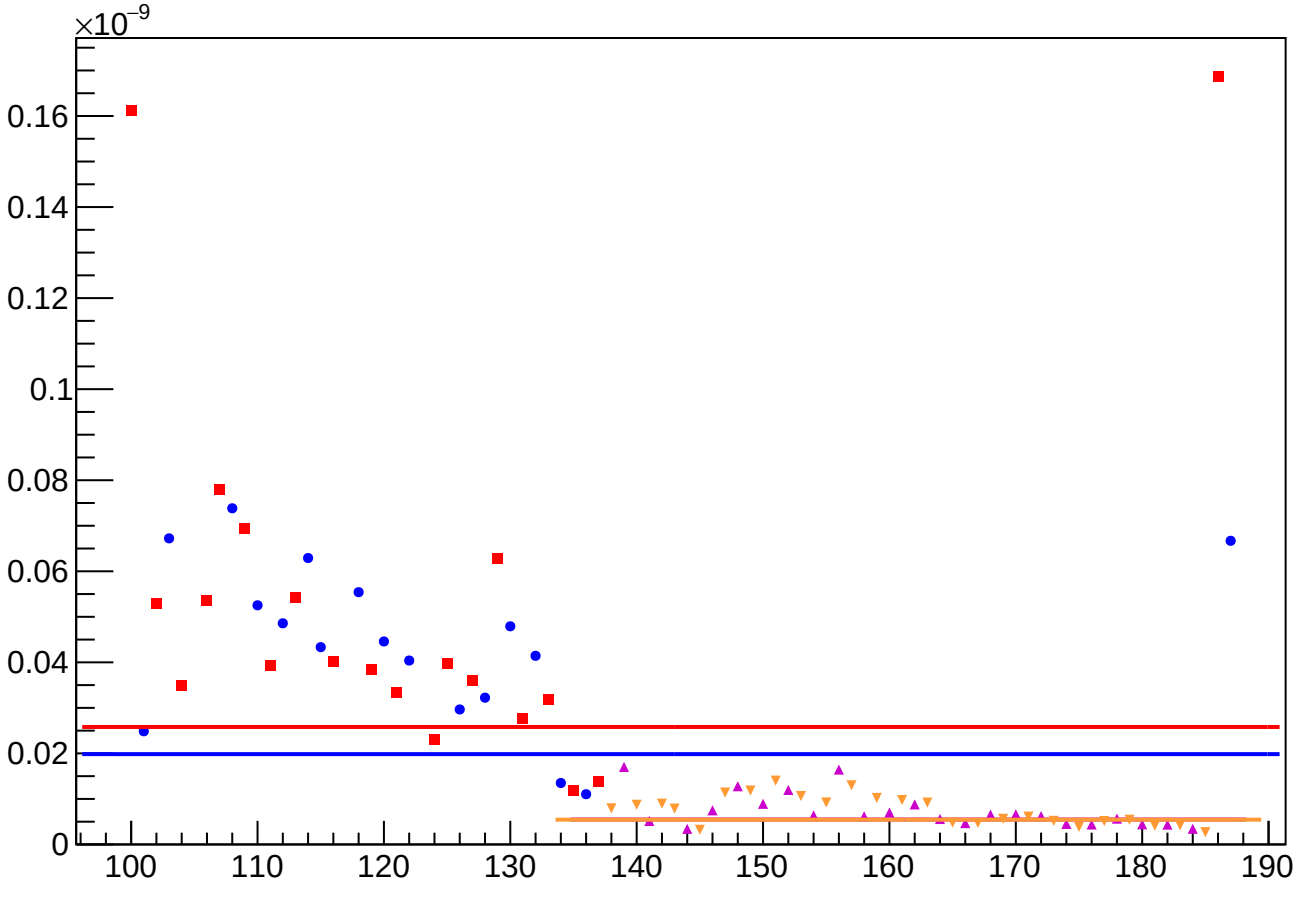
Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/19

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.3/41

All: -0.000+/-0.000 χ^2/NDF: 74.4/84

- sign -0.000+/-0.000 χ^2/NDF: 32.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 3393532.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3131909.3/19

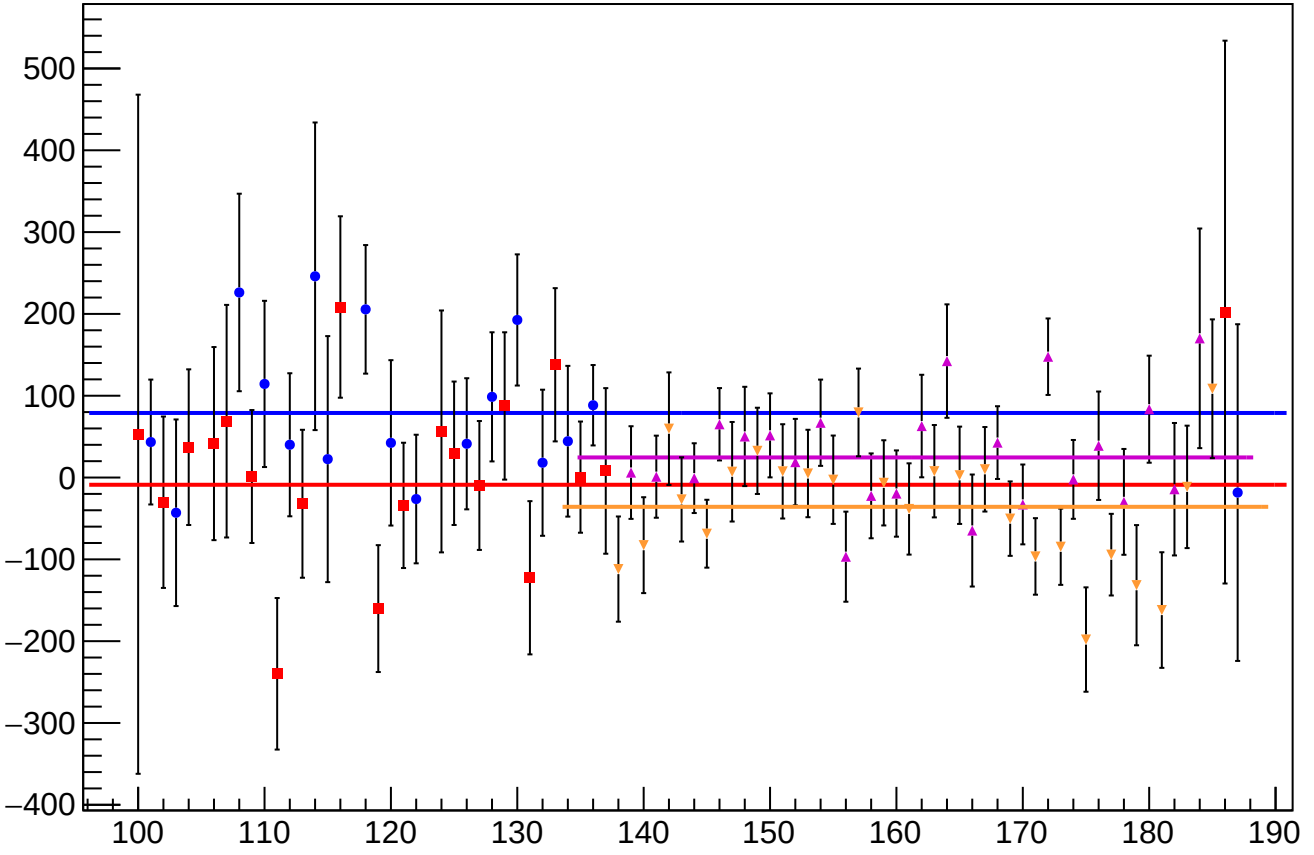
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10435450.0/41

All: 0.000+/-0.000 χ^2/NDF: 20705790.8/84

- sign 0.000+/-0.000 χ^2/NDF: 10269904.2/42

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 78.933+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -8.833+/-21.572 χ^2/NDF: 20.8/19

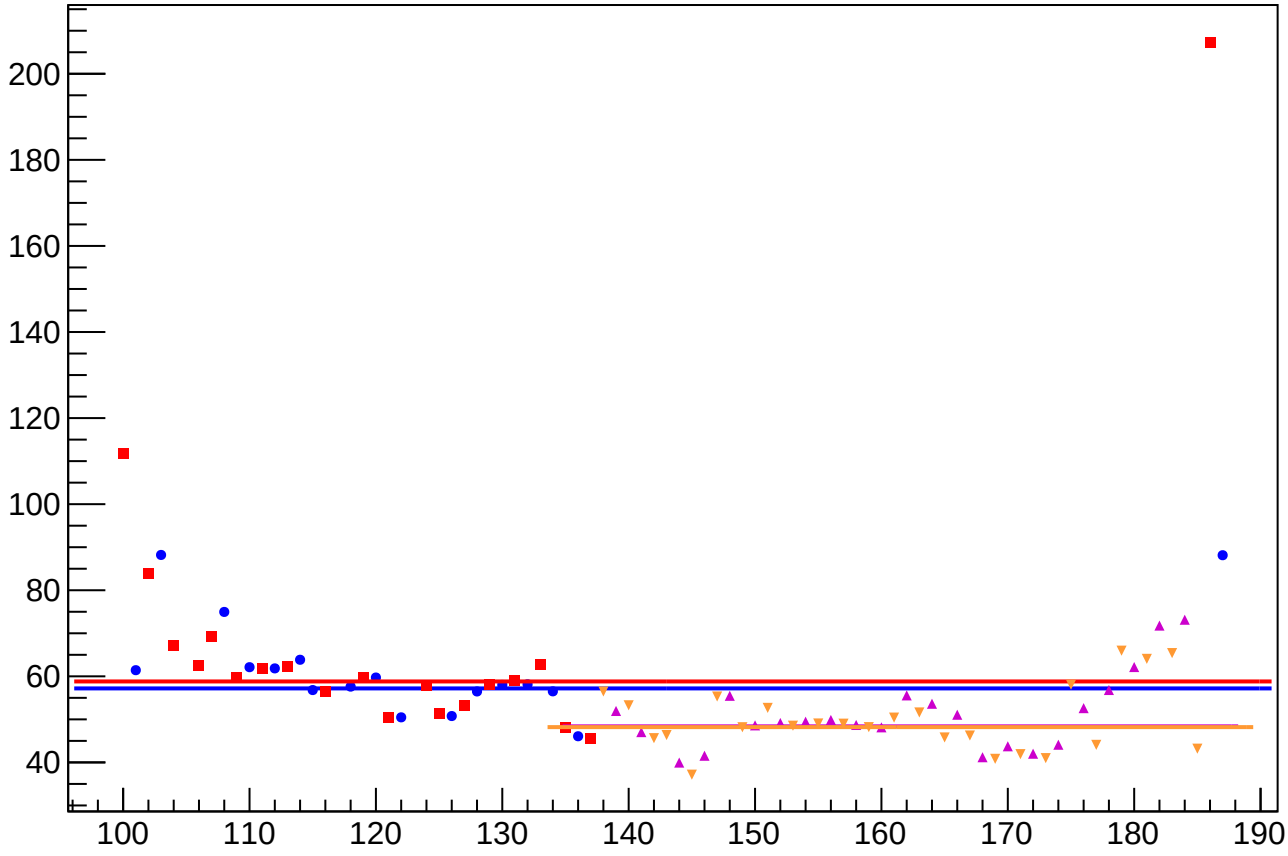
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

\+ sign -11.324+/-9.863 χ^2/NDF: 68.2/41

All: 2.564+/-7.066 χ^2/NDF: 120.6/84

\- sign 17.208+/-10.128 χ^2/NDF: 48.4/42

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 57.191+/-0.015 χ^2/NDF: 387331.9/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

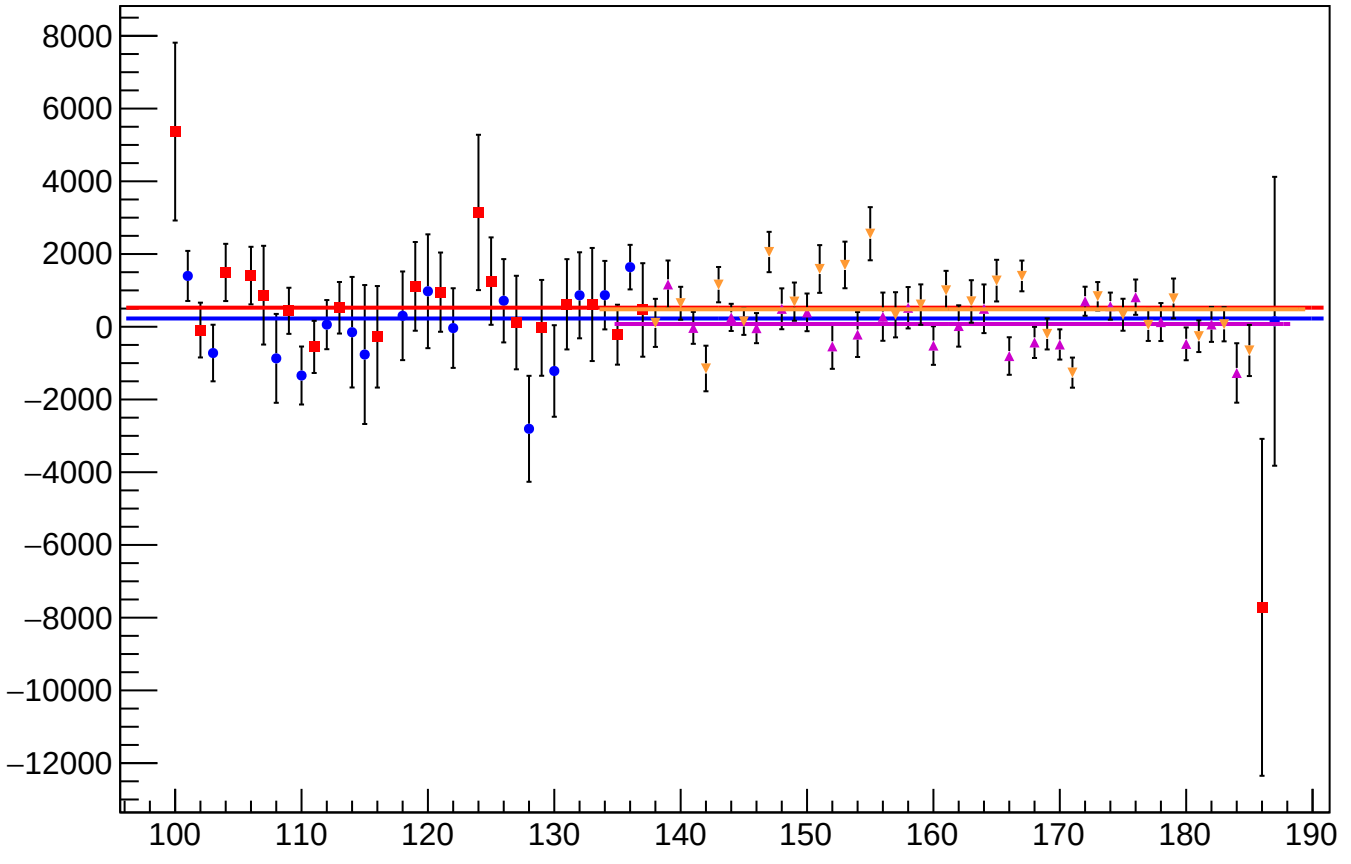
Right Out: 58.812+/-0.015 χ^2/NDF: 716635.5/19

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.116+/-0.007 χ^2/NDF: 1446577.8/41

All: 50.391+/-0.005 χ^2/NDF: 3226339.3/84

- sign 50.680+/-0.007 χ^2/NDF: 1776577.9/42



Right In: 227.225+/-240.781 χ^2/NDF: 21.6/16

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 524.943+/-226.970 χ^2/NDF: 16.5/19

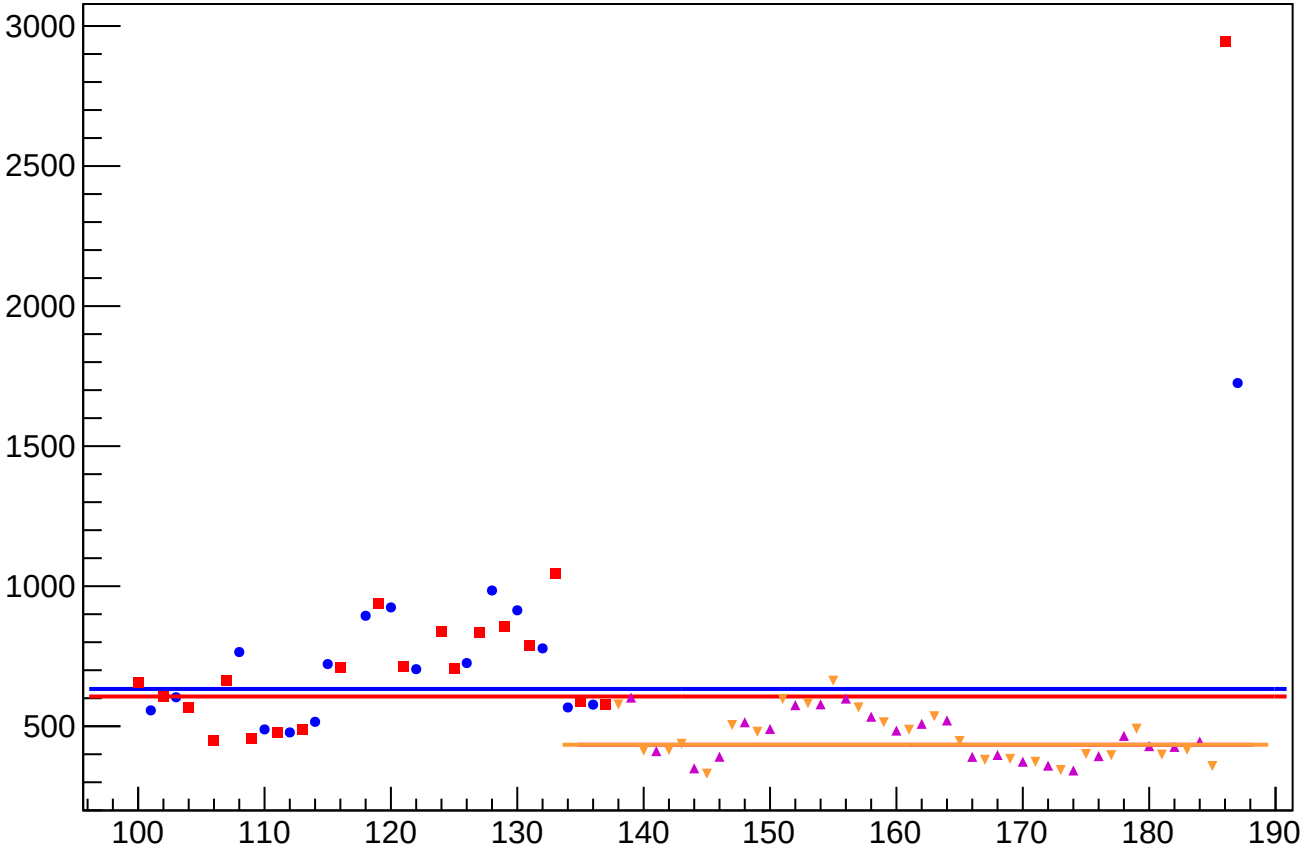
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 442.663+/-92.765 χ^2/NDF: 91.8/41

All: 299.353+/-65.989 χ^2/NDF: 140.9/84

- sign 152.545+/-93.891 χ^2/NDF: 44.3/42

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 633.124+/-0.170 χ^2/NDF: 844483.5/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 606.218+/-0.160 χ^2/NDF: 1385256.1/19

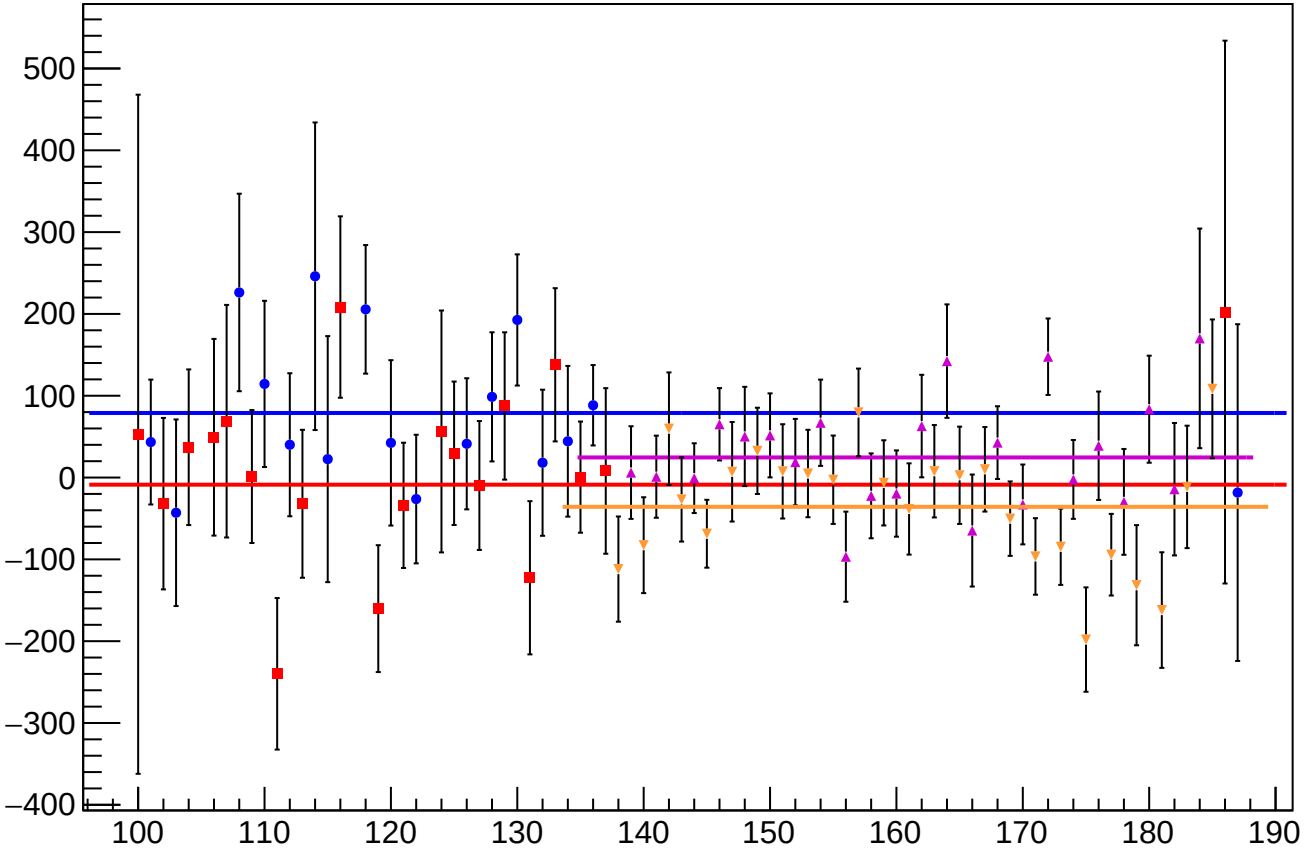
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 463.510+/-0.066 χ^2/NDF: 3253622.2/41

All: 463.376+/-0.047 χ^2/NDF: 6691190.9/84

- sign 463.240+/-0.066 χ^2/NDF: 3437560.4/42

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 78.938+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -8.722+/-21.585 χ^2/NDF: 20.8/19

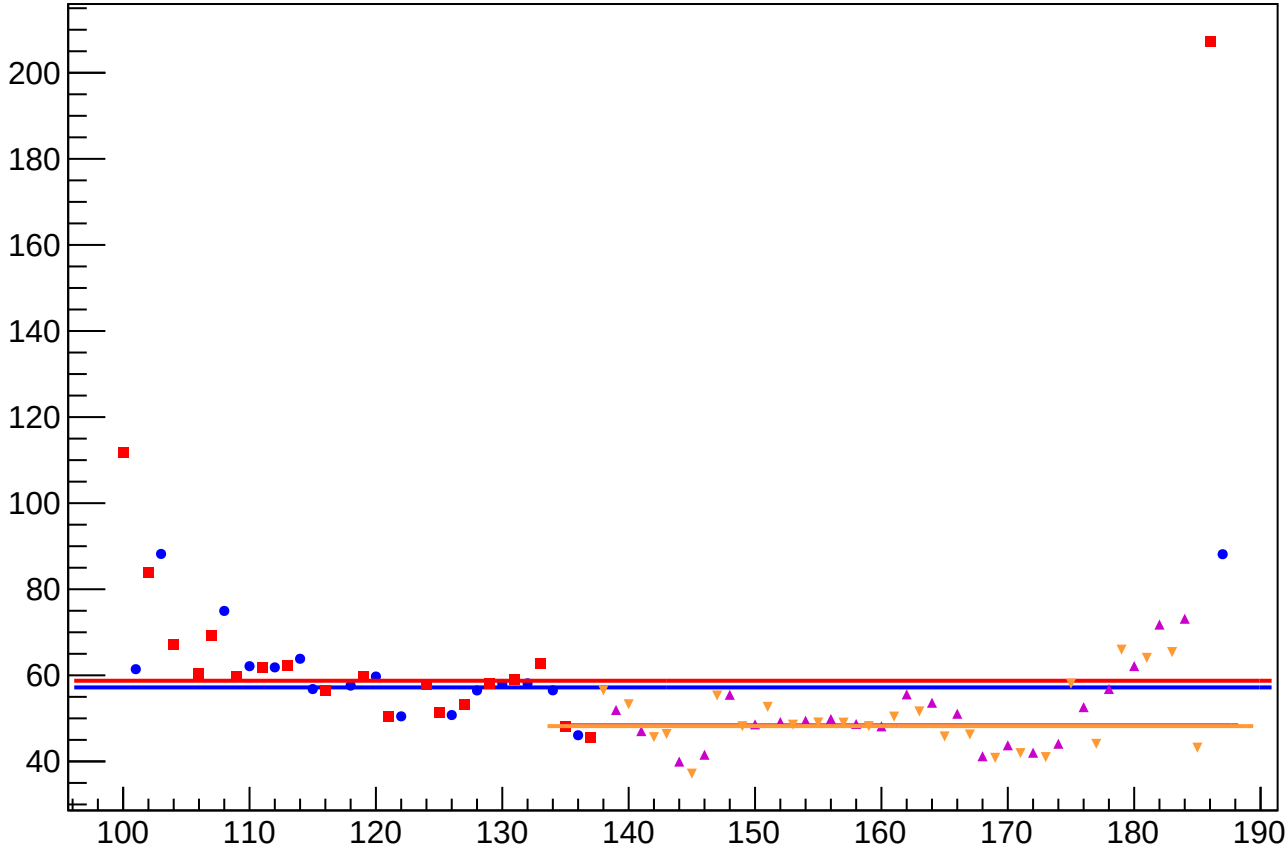
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -11.327+/-9.863 χ^2/NDF: 68.2/41

All: 2.576+/-7.066 χ^2/NDF: 120.7/84

\- sign 17.241+/-10.129 χ^2/NDF: 48.4/42

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 57.191+/-0.015 χ^2/NDF: 387335.6/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

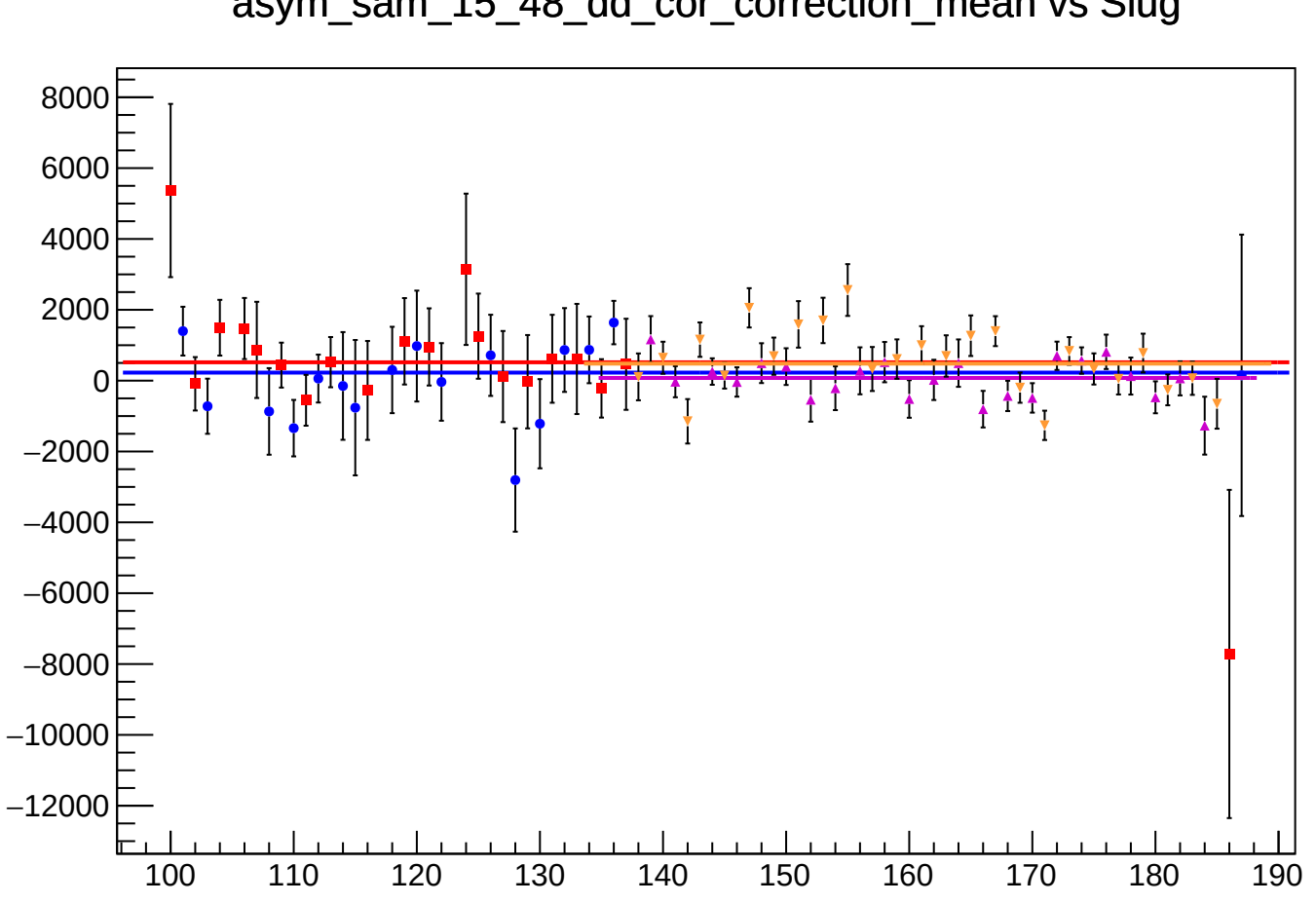
Right Out: 58.742+/-0.015 χ^2/NDF: 715292.8/19

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.116+/-0.007 χ^2/NDF: 1446581.8/41

All: 50.382+/-0.005 χ^2/NDF: 3219603.0/84

- sign 50.662+/-0.007 χ^2/NDF: 1770033.3/42



Right In: 227.263+/-240.783 χ^2/NDF: 21.6/16

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 518.042+/-228.476 χ^2/NDF: 16.5/19

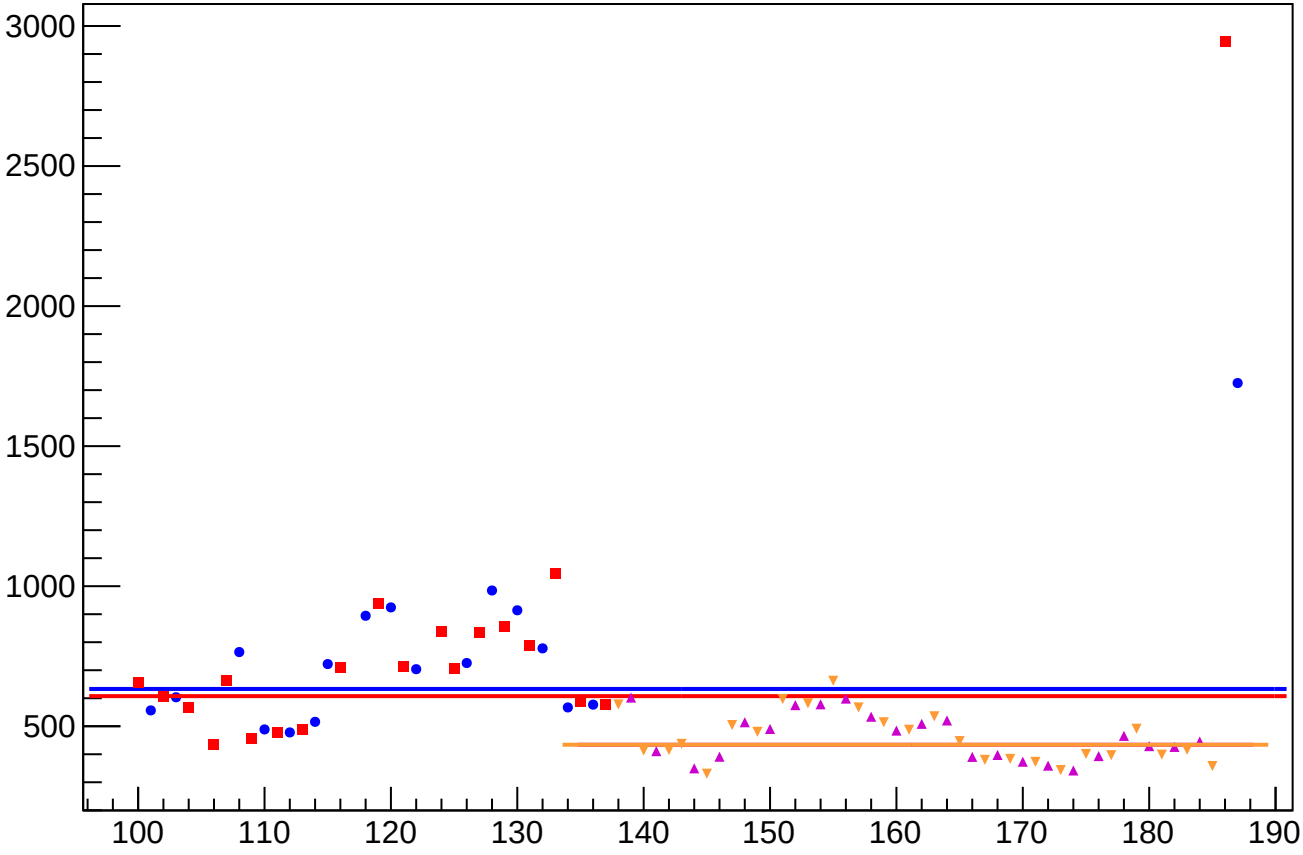
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 442.666+/-92.766 χ^2/NDF: 91.8/41

All: 298.528+/-66.026 χ^2/NDF: 140.8/84

- sign 150.540+/-93.996 χ^2/NDF: 44.1/42

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 633.128+/-0.170 χ^2/NDF: 844473.8/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 607.418+/-0.162 χ^2/NDF: 1384176.7/19

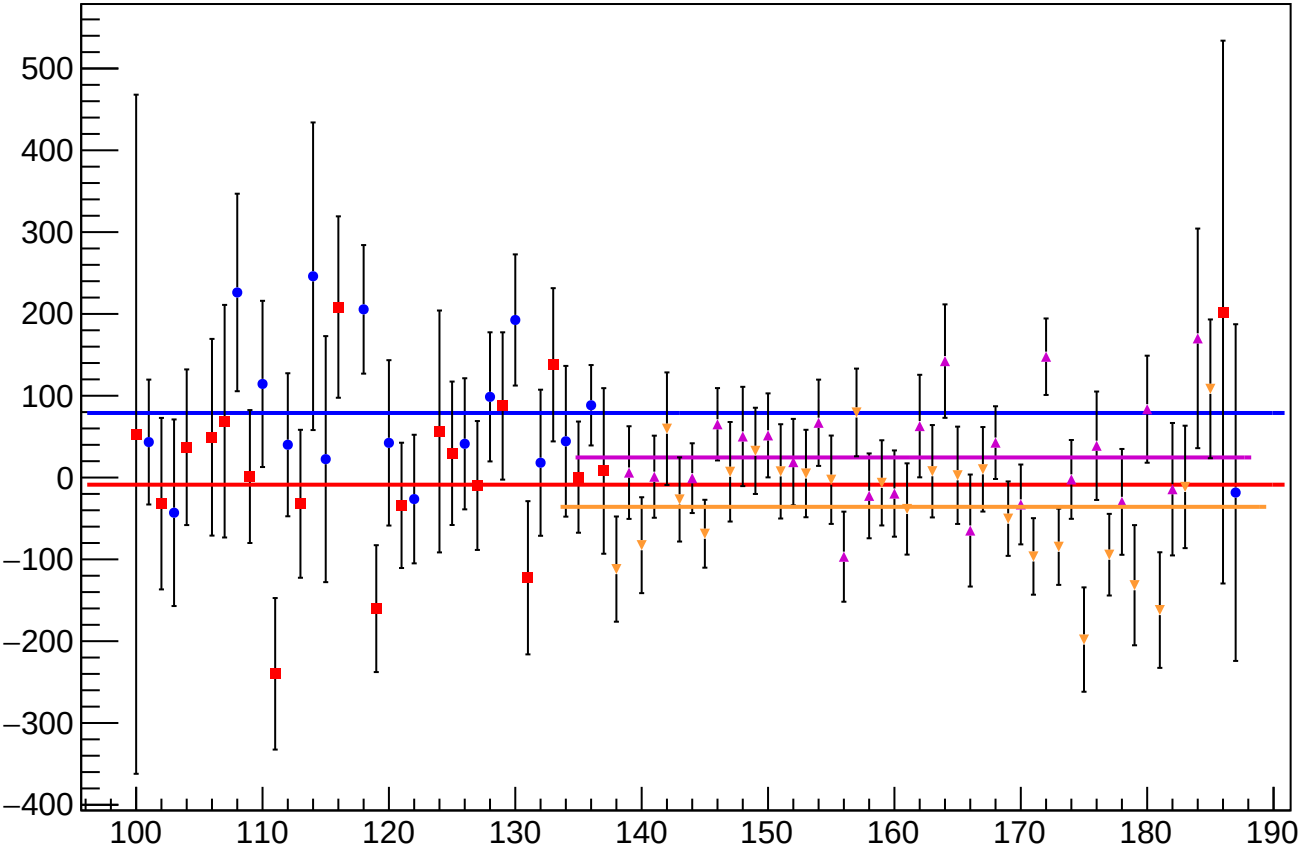
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 463.510+/-0.066 χ^2/NDF: 3253652.0/41

All: 463.318+/-0.047 χ^2/NDF: 6692914.5/84

- sign 463.121+/-0.066 χ^2/NDF: 3439245.1/42

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 78.938+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -8.722+/-21.585 χ^2/NDF: 20.8/19

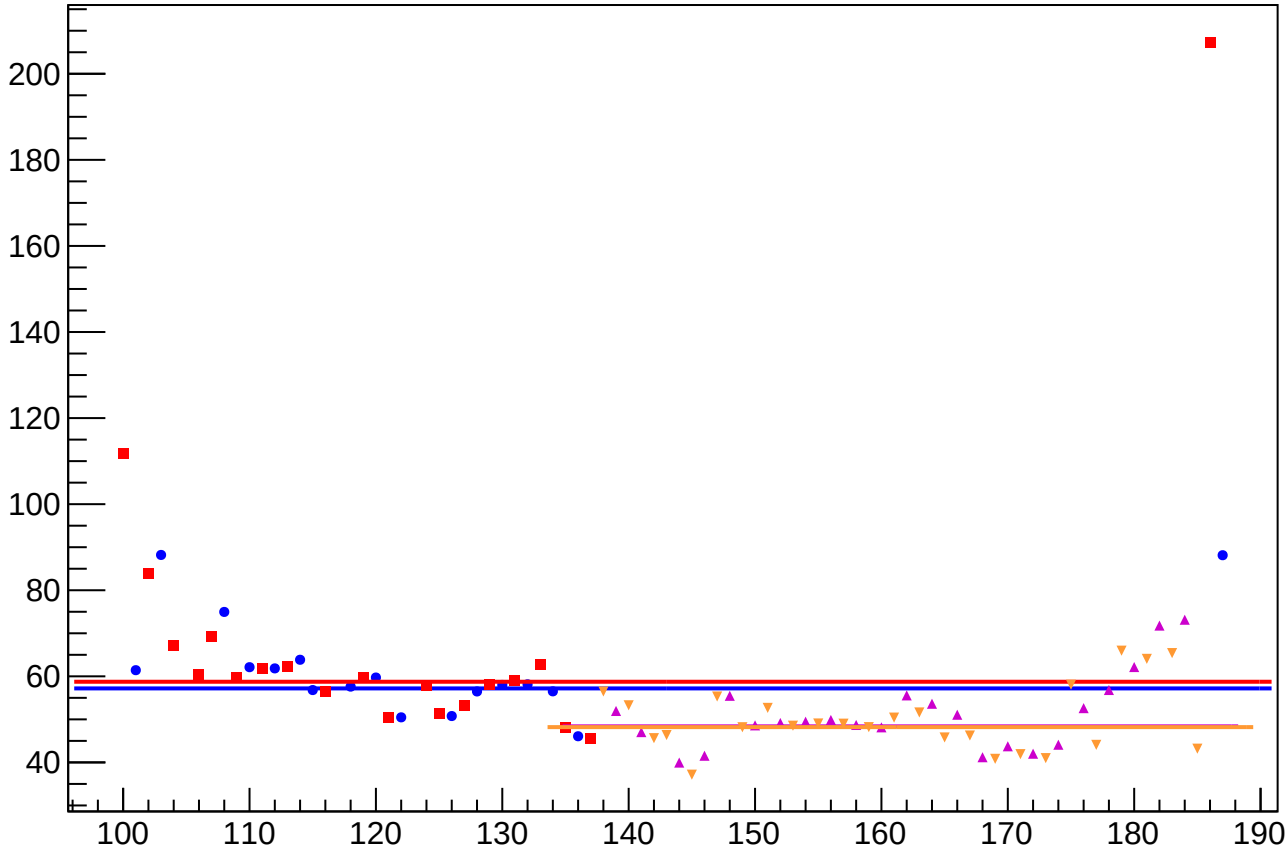
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -11.327+/-9.863 χ^2/NDF: 68.2/41

All: 2.576+/-7.066 χ^2/NDF: 120.7/84

\- sign 17.241+/-10.129 χ^2/NDF: 48.4/42

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 57.191+/-0.015 χ^2/NDF: 387335.6/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

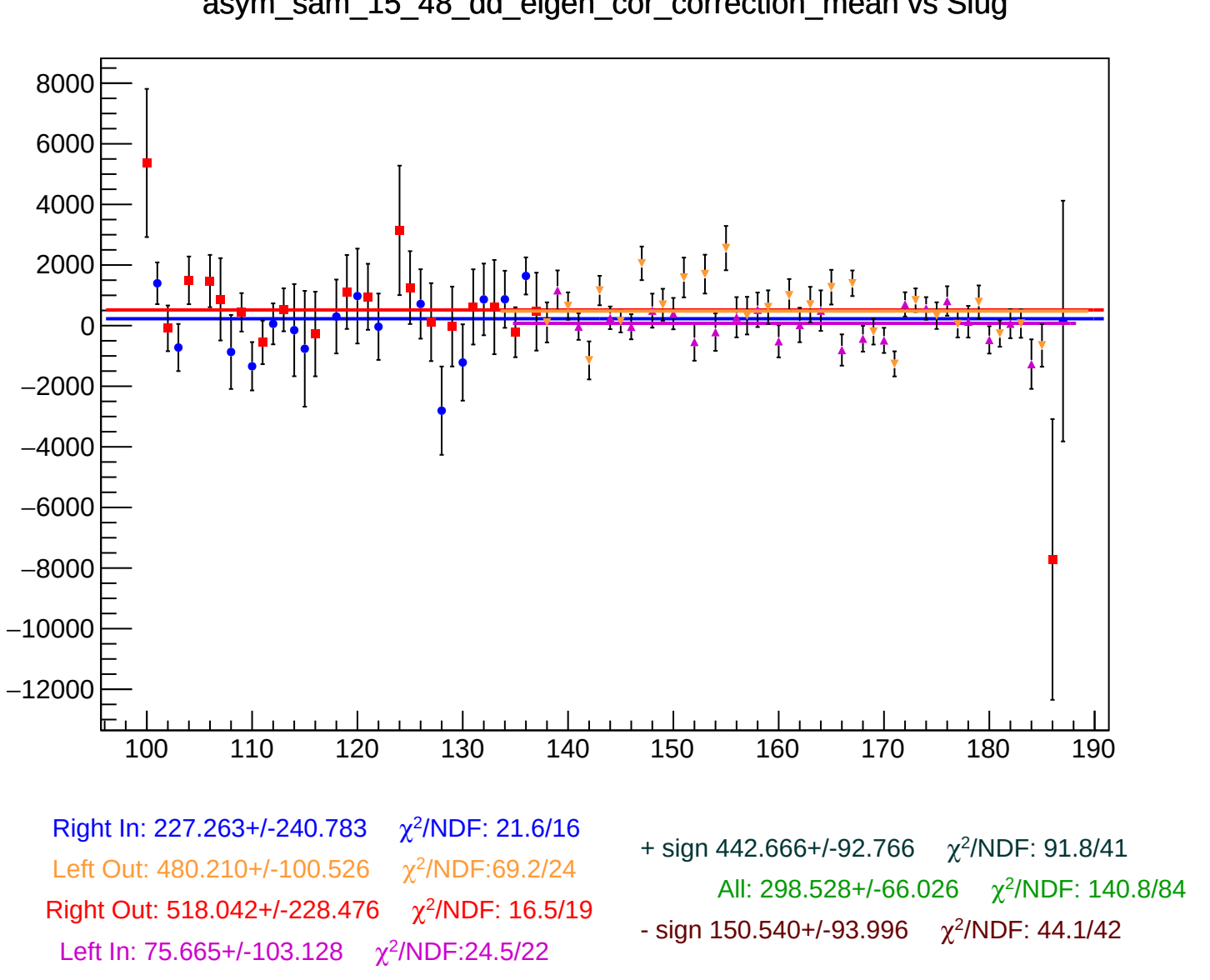
Right Out: 58.742+/-0.015 χ^2/NDF: 715292.8/19

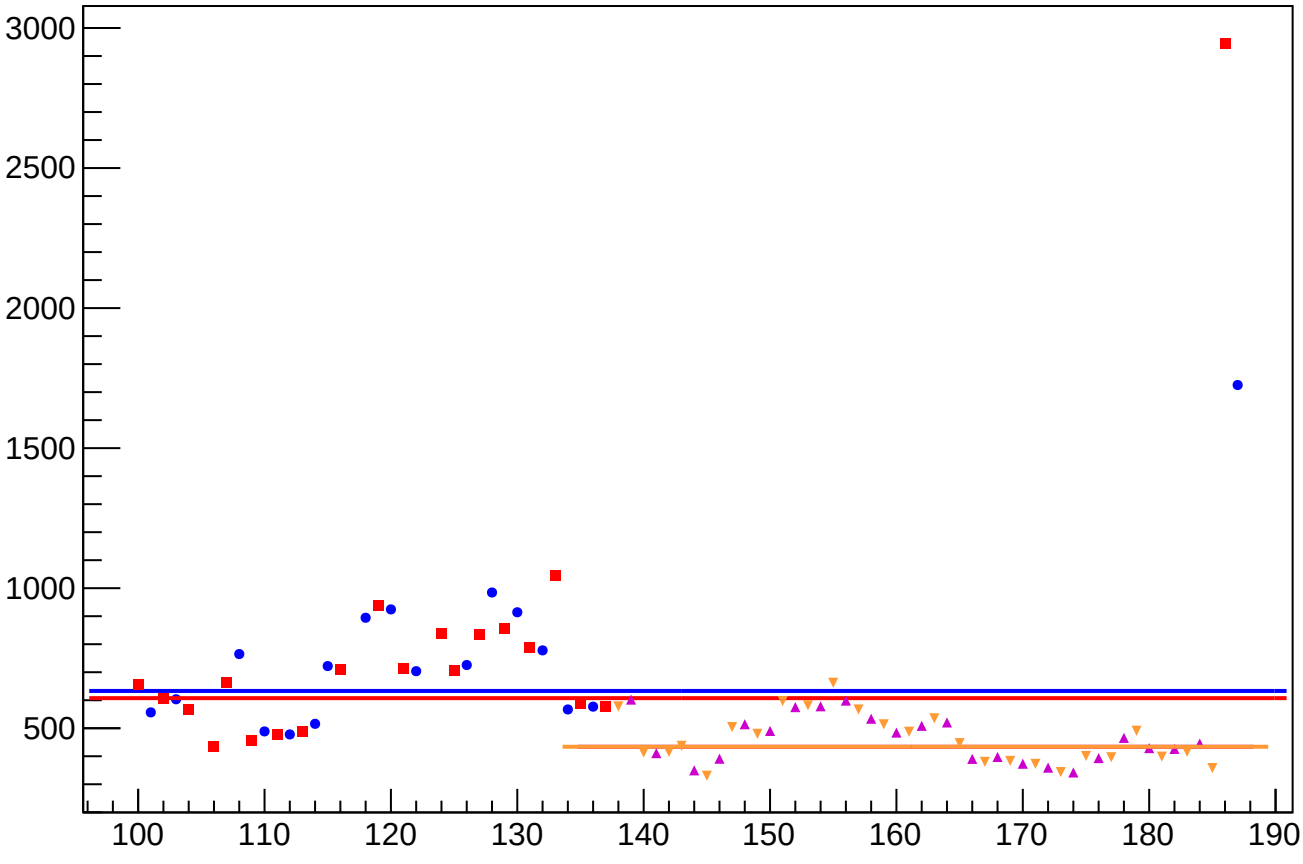
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 50.116+/-0.007 χ^2/NDF: 1446581.8/41

All: 50.382+/-0.005 χ^2/NDF: 3219603.0/84

- sign 50.662+/-0.007 χ^2/NDF: 1770033.3/42


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 227.263+/-240.783 χ²/NDF: 21.6/16
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 518.042+/-228.476 χ²/NDF: 16.5/19
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 442.666+/-92.766 χ²/NDF: 91.8/41
All: 298.528+/-66.026 χ²/NDF: 140.8/84
- sign 150.540+/-93.996 χ²/NDF: 44.1/42



Right In: 633.128+/-0.170 χ^2/NDF: 844473.8/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 607.418+/-0.162 χ^2/NDF: 1384176.7/19

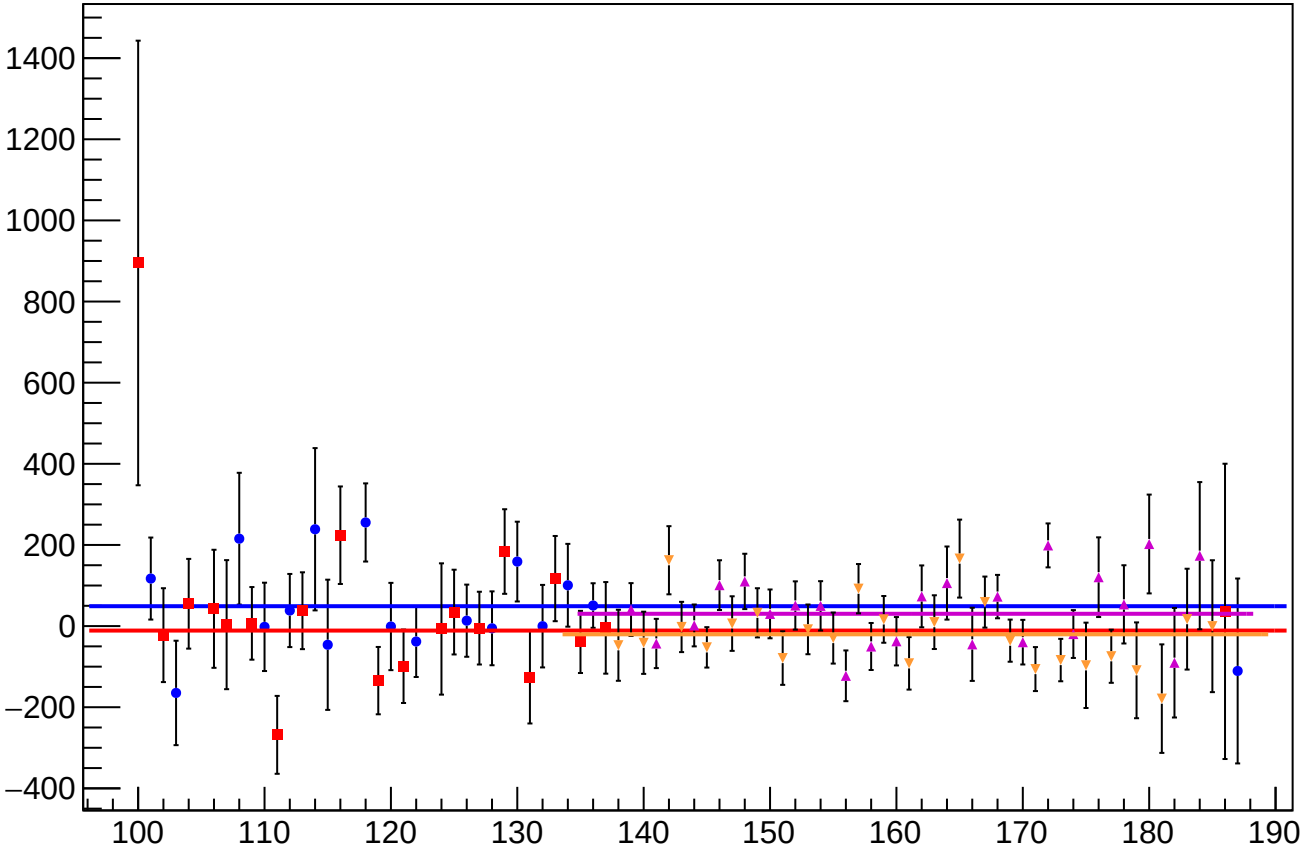
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 463.510+/-0.066 χ^2/NDF: 3253652.0/41

All: 463.318+/-0.047 χ^2/NDF: 6692914.5/84

- sign 463.121+/-0.066 χ^2/NDF: 3439245.1/42

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 49.017+/-24.352 χ^2/NDF: 14.3/16

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -11.050+/-24.270 χ^2/NDF: 24.0/19

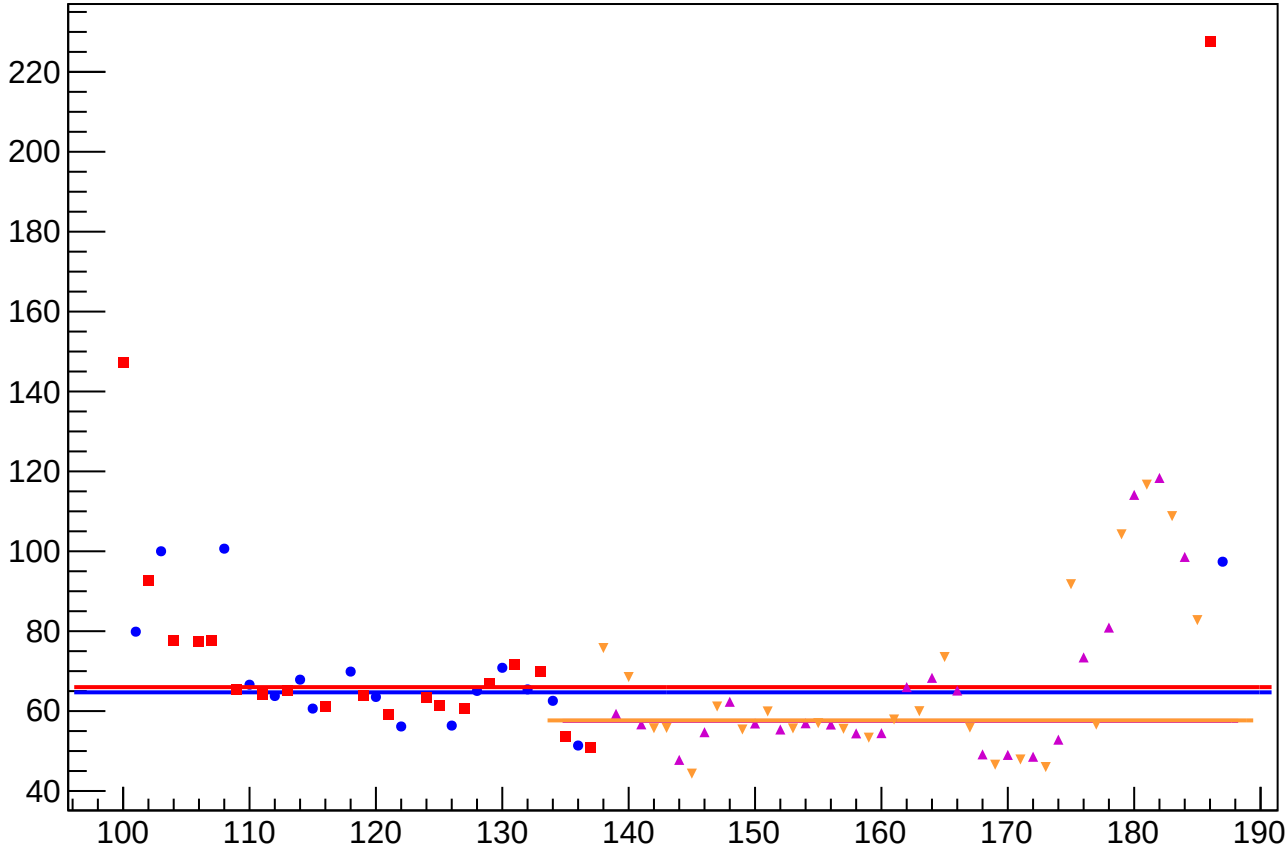
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.730+/-11.898 χ^2/NDF: 45.6/41

All: 7.929+/-8.488 χ^2/NDF: 106.4/84

- sign 20.013+/-12.113 χ^2/NDF: 58.8/42

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 64.694+/-0.017 χ^2/NDF: 506591.0/16

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

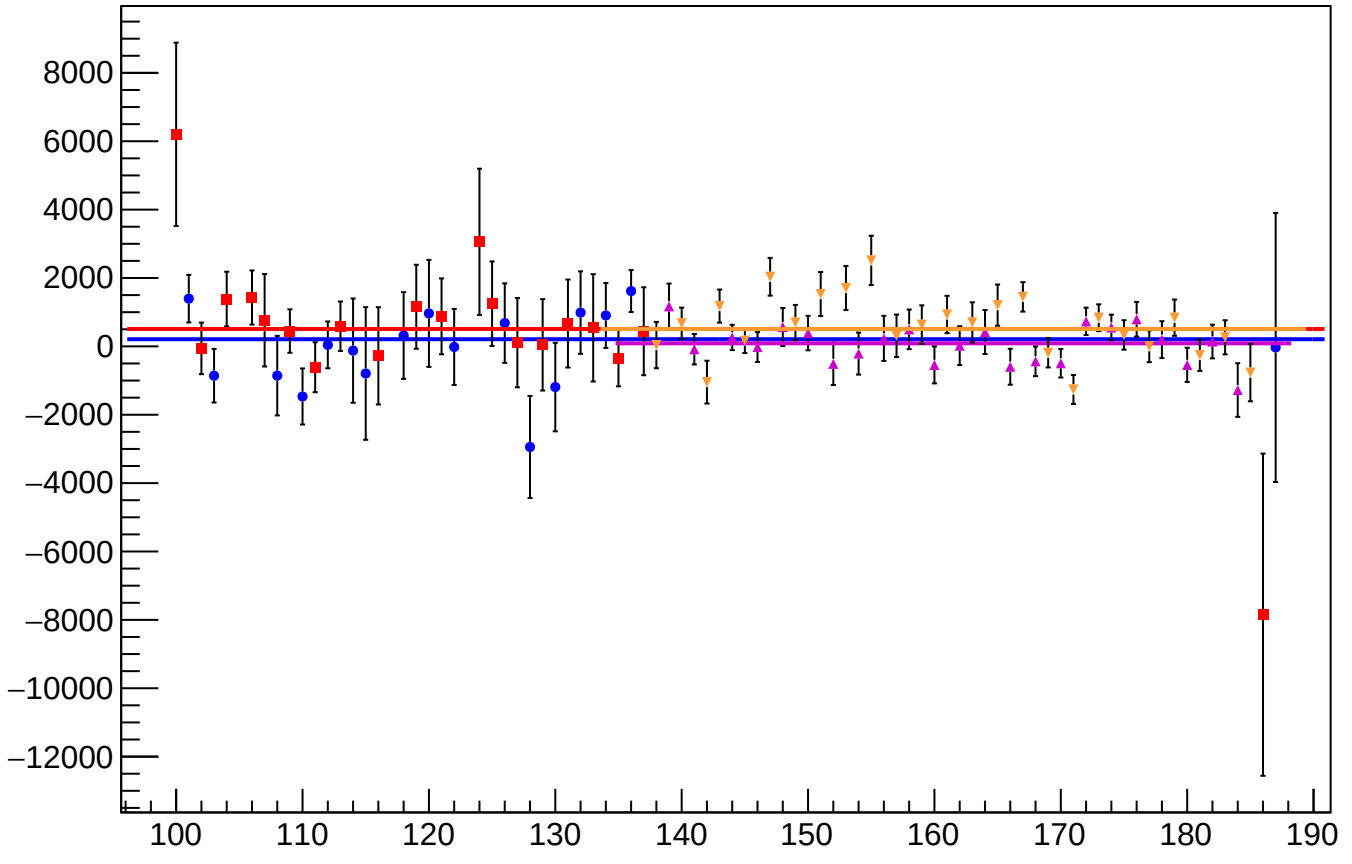
Right Out: 65.999+/-0.017 χ^2/NDF: 715004.8/19

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 59.345+/-0.008 χ^2/NDF: 2543090.1/41

All: 59.493+/-0.006 χ^2/NDF: 4884468.2/84

- sign 59.647+/-0.009 χ^2/NDF: 2340748.4/42



Right In: 209.092+/-243.331 χ^2/NDF: 22.4/16

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 508.818+/-229.406 χ^2/NDF: 17.0/19

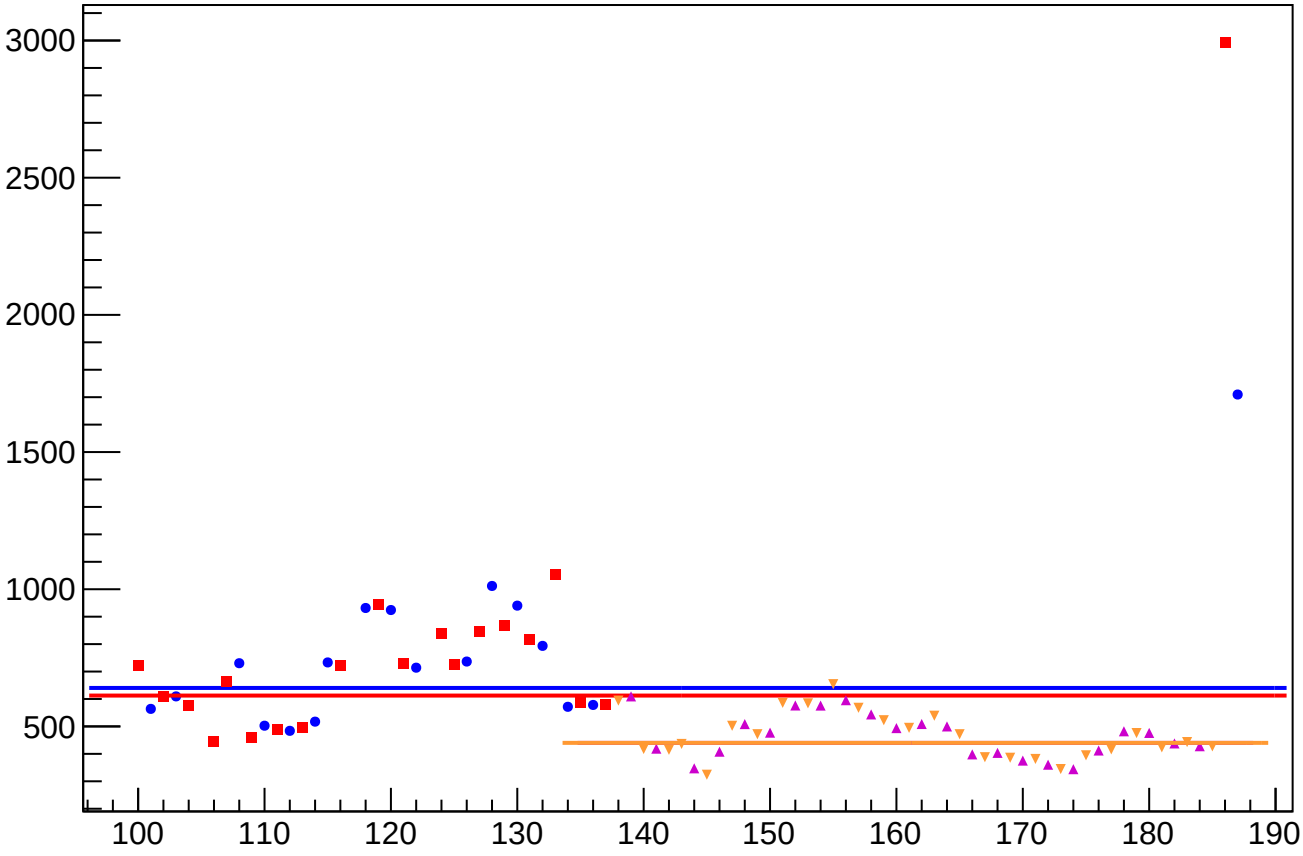
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 462.788+/-93.894 χ^2/NDF: 89.5/41

All: 313.745+/-66.826 χ^2/NDF: 137.7/84

- sign 160.753+/-95.130 χ^2/NDF: 43.0/42

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 640.249+/-0.172 χ^2/NDF: 853518.6/16

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 612.457+/-0.162 χ^2/NDF: 1405310.5/19

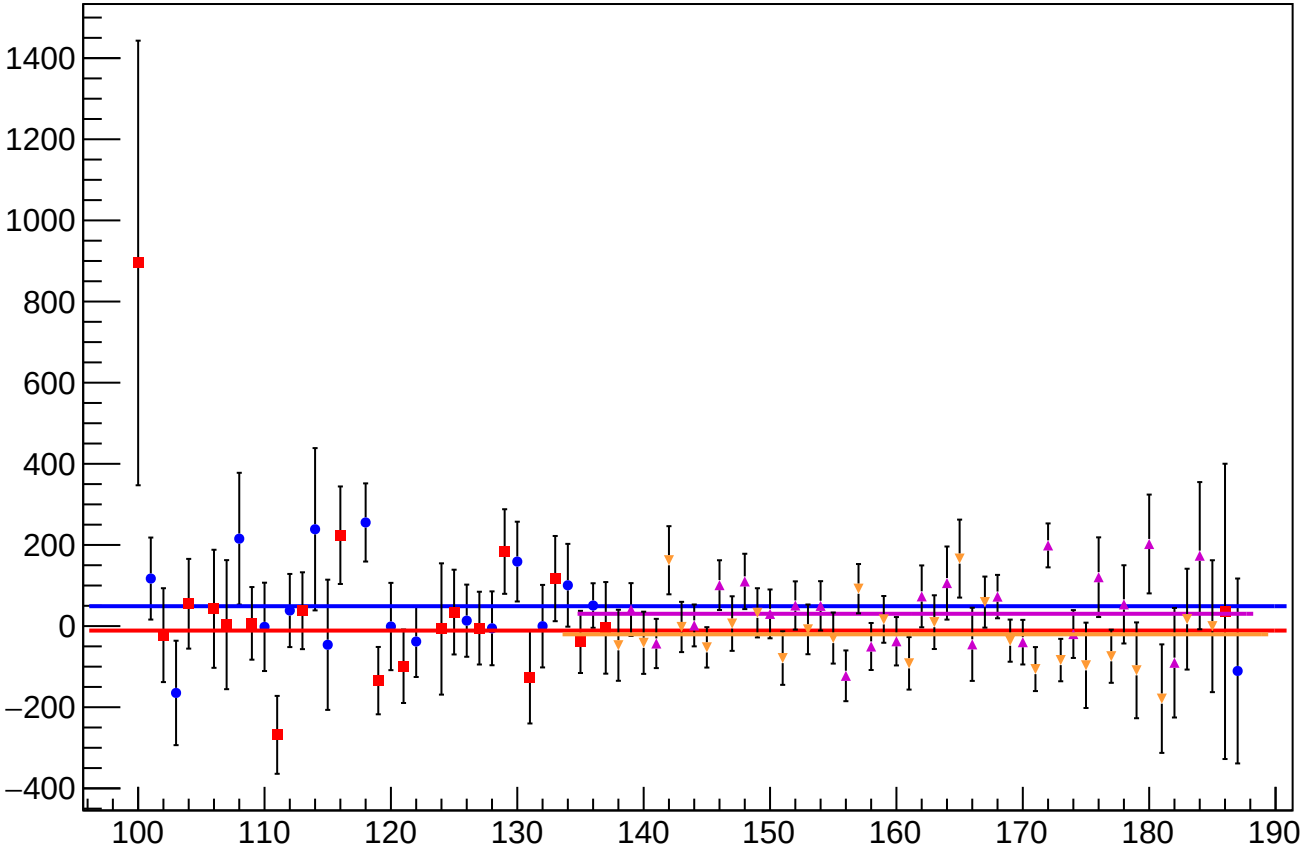
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 469.880+/-0.066 χ^2/NDF: 3202447.4/41

All: 469.719+/-0.047 χ^2/NDF: 6606927.5/84

- sign 469.553+/-0.067 χ^2/NDF: 3404468.1/42

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 49.015+/-24.352 χ^2/NDF: 14.3/16

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

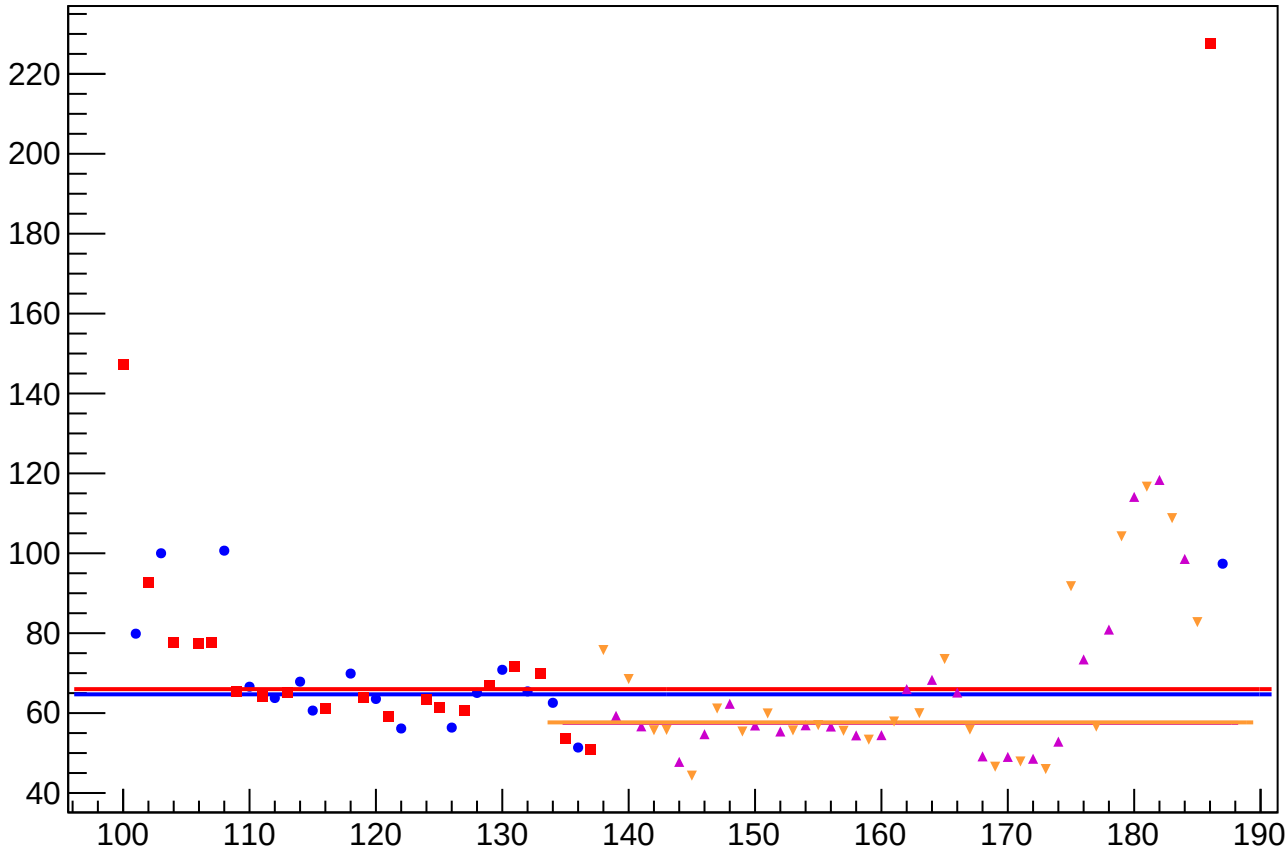
Right Out: -11.049+/-24.270 χ^2/NDF: 24.0/19

Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign -3.731+/-11.898 χ^2/NDF: 45.6/41

All: 7.928+/-8.488 χ^2/NDF: 106.4/84

- sign 20.014+/-12.113 χ^2/NDF: 58.8/42



Right In: 64.694+/-0.017 χ^2/NDF: 506590.6/16

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

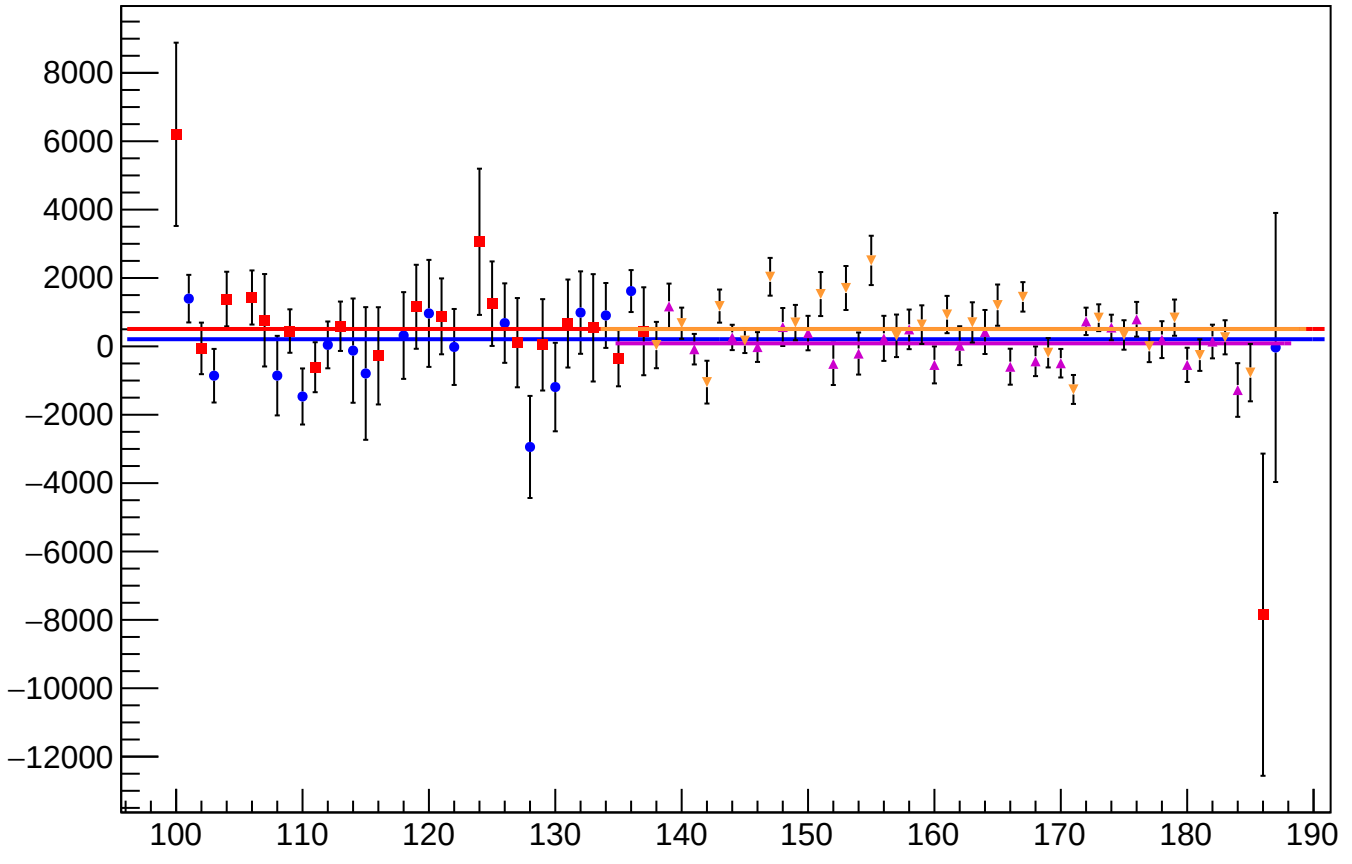
Right Out: 65.999+/-0.017 χ^2/NDF: 715012.4/19

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 59.346+/-0.008 χ^2/NDF: 2543078.8/41

All: 59.493+/-0.006 χ^2/NDF: 4884438.6/84

- sign 59.647+/-0.009 χ^2/NDF: 2340730.4/42



Right In: 209.091+/-243.331 χ^2/NDF: 22.4/16

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: 508.818+/-229.406 χ^2/NDF: 17.0/19

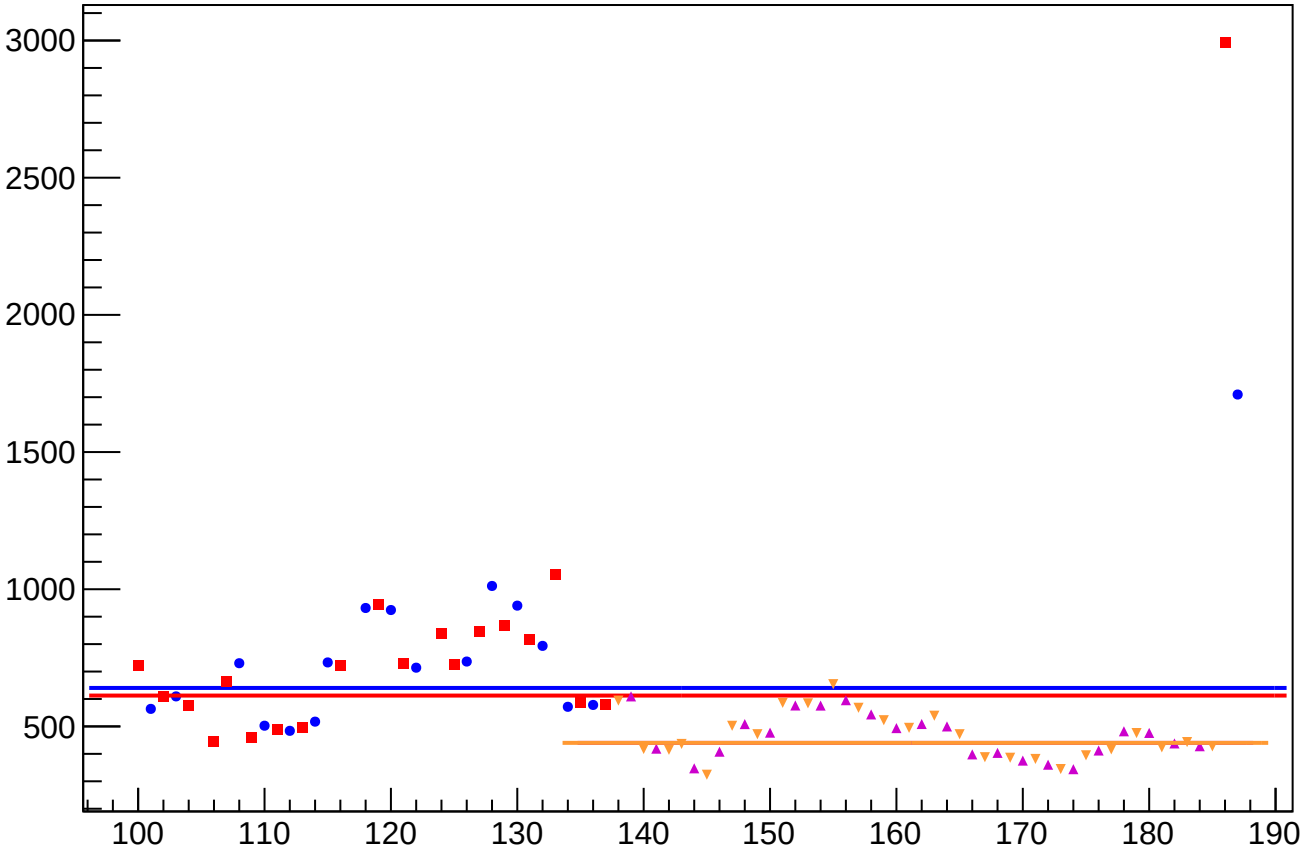
Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 462.787+/-93.894 χ^2/NDF: 89.5/41

All: 313.744+/-66.826 χ^2/NDF: 137.7/84

- sign 160.753+/-95.129 χ^2/NDF: 43.0/42

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug



Right In: 640.248+/-0.172 χ^2/NDF: 853521.6/16

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 612.457+/-0.162 χ^2/NDF: 1405313.3/19

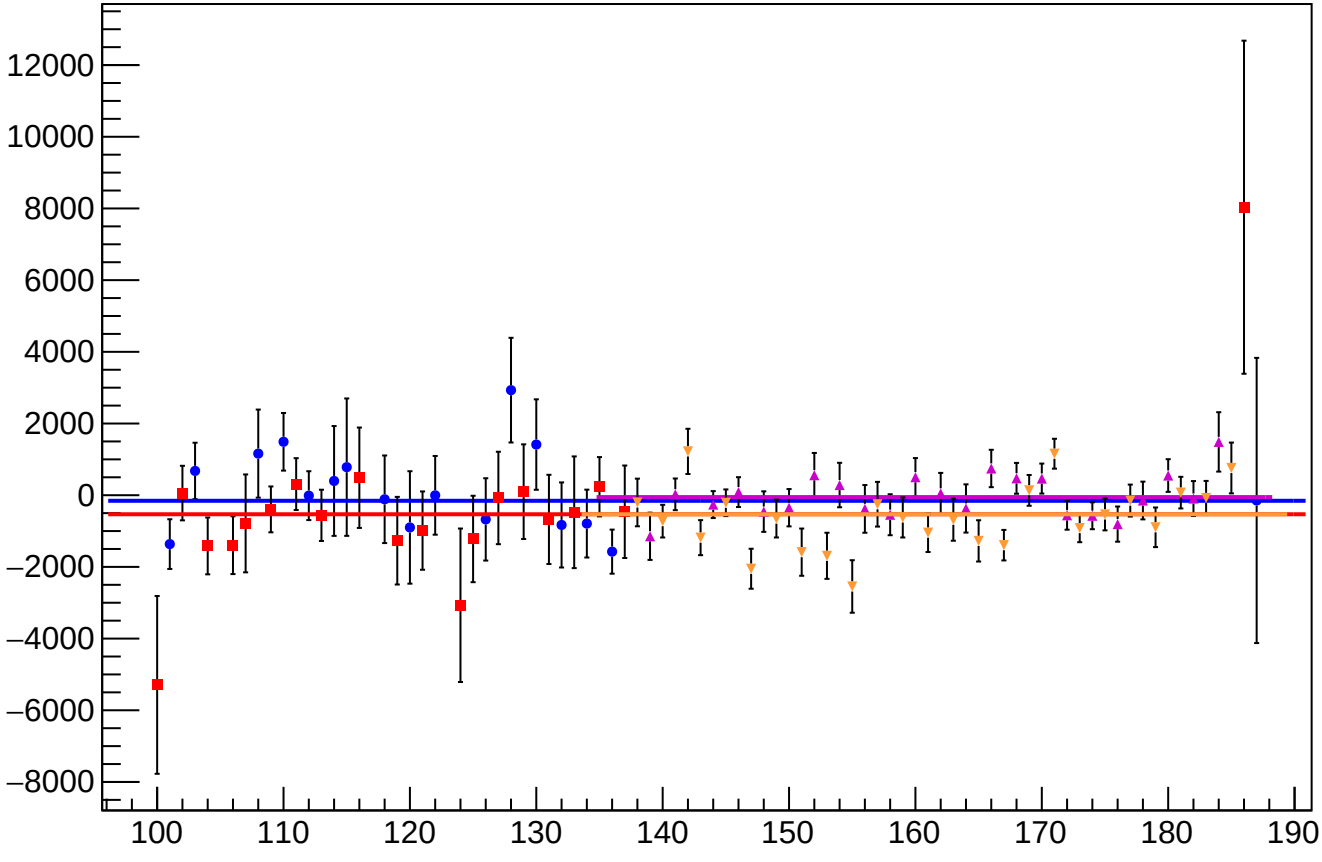
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 469.879+/-0.066 χ^2/NDF: 3202465.1/41

All: 469.718+/-0.047 χ^2/NDF: 6606961.8/84

- sign 469.552+/-0.067 χ^2/NDF: 3404484.8/42

asym_sam_15_48_dd_mean vs Slug



Right In: -155.618+/-242.145 χ^2/NDF: 22.5/16

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -531.386+/-228.613 χ^2/NDF: 15.5/19

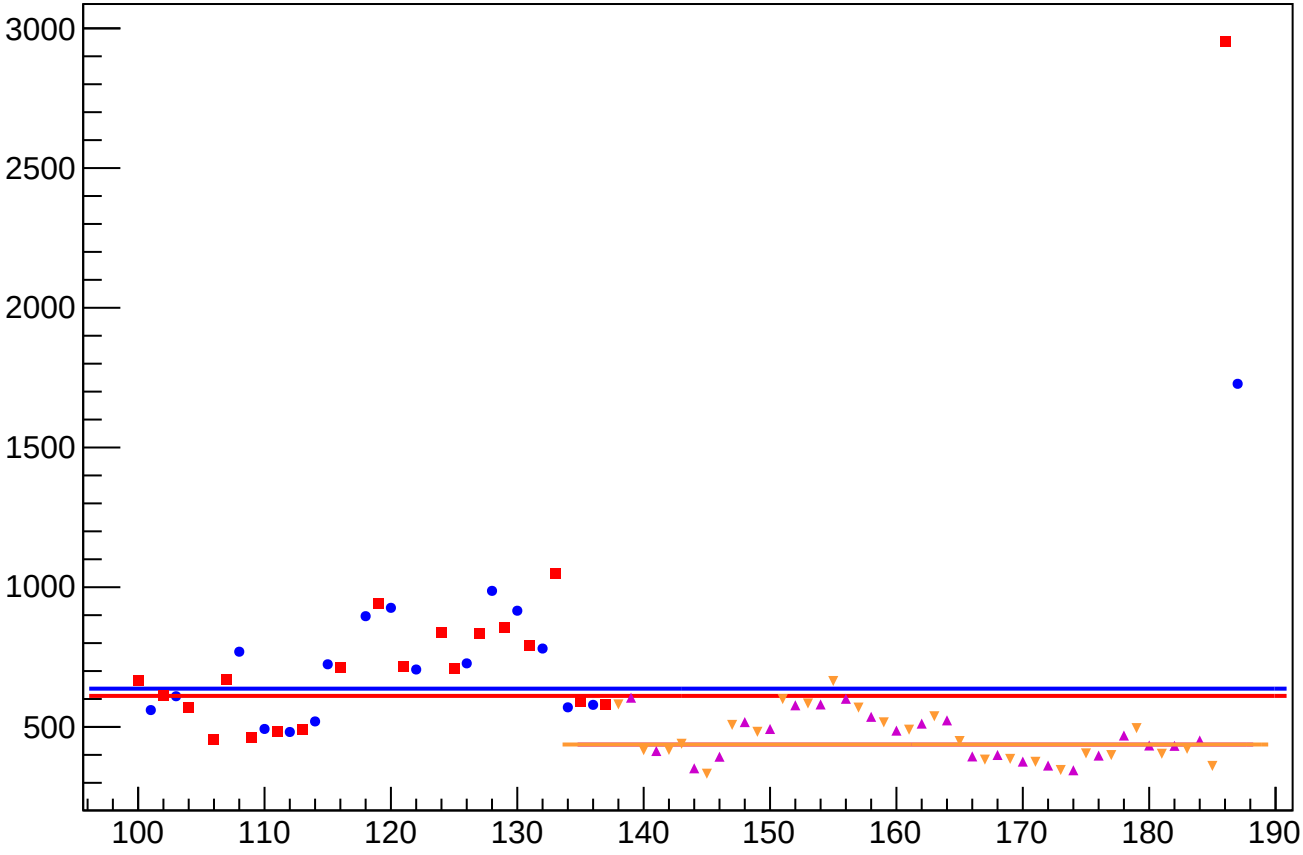
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -475.625+/-93.409 χ^2/NDF: 90.1/41

All: -307.157+/-66.456 χ^2/NDF: 139.9/84

- sign -134.487+/-94.567 χ^2/NDF: 43.3/42

asym_sam_15_48_dd_rms vs Slug



Right In: 637.023+/-0.171 χ^2/NDF: 832082.4/16

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

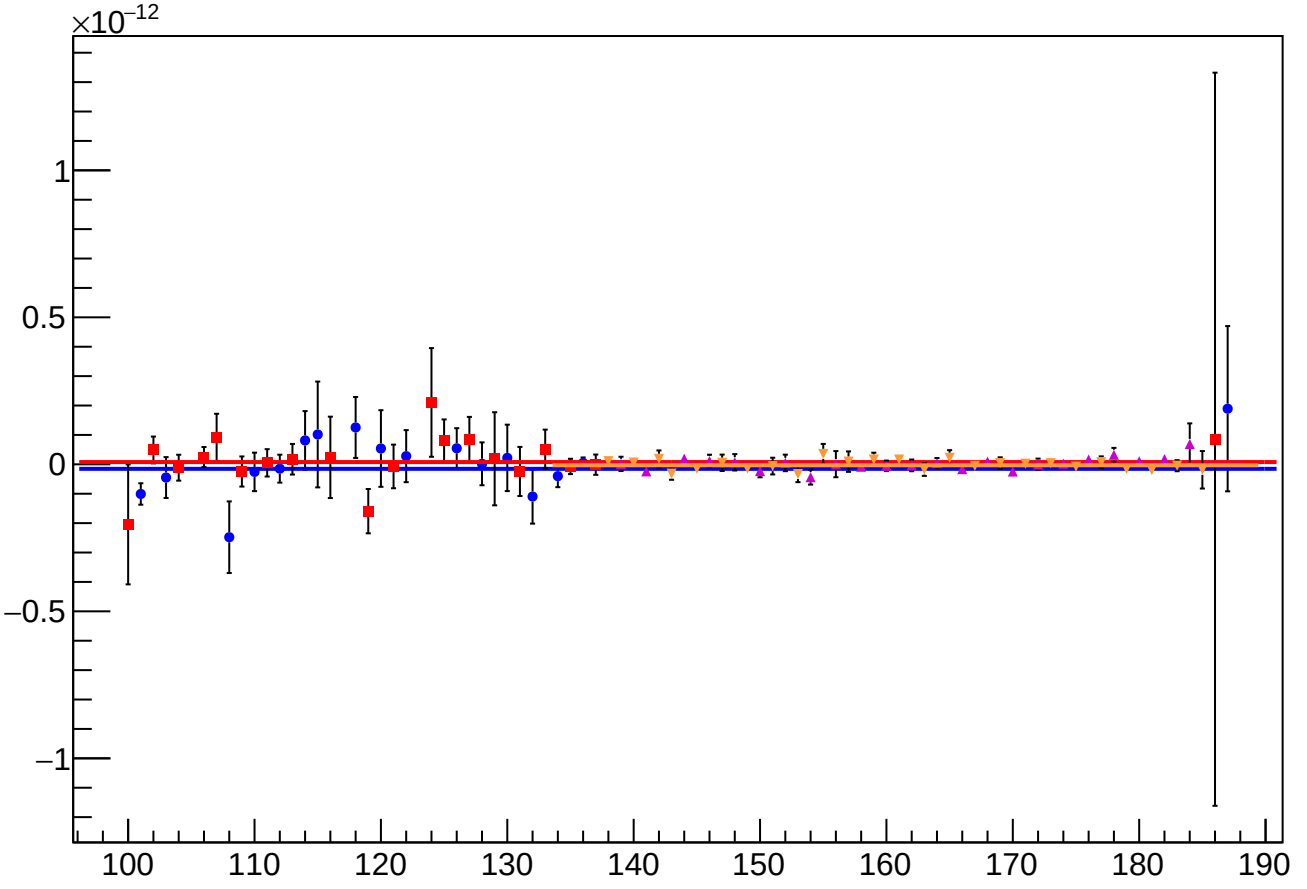
Right Out: 611.056+/-0.162 χ^2/NDF: 1363222.7/19

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 466.898+/-0.066 χ^2/NDF: 3219336.8/41

All: 466.816+/-0.047 χ^2/NDF: 6624251.9/84

- sign 466.731+/-0.067 χ^2/NDF: 3404911.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/19

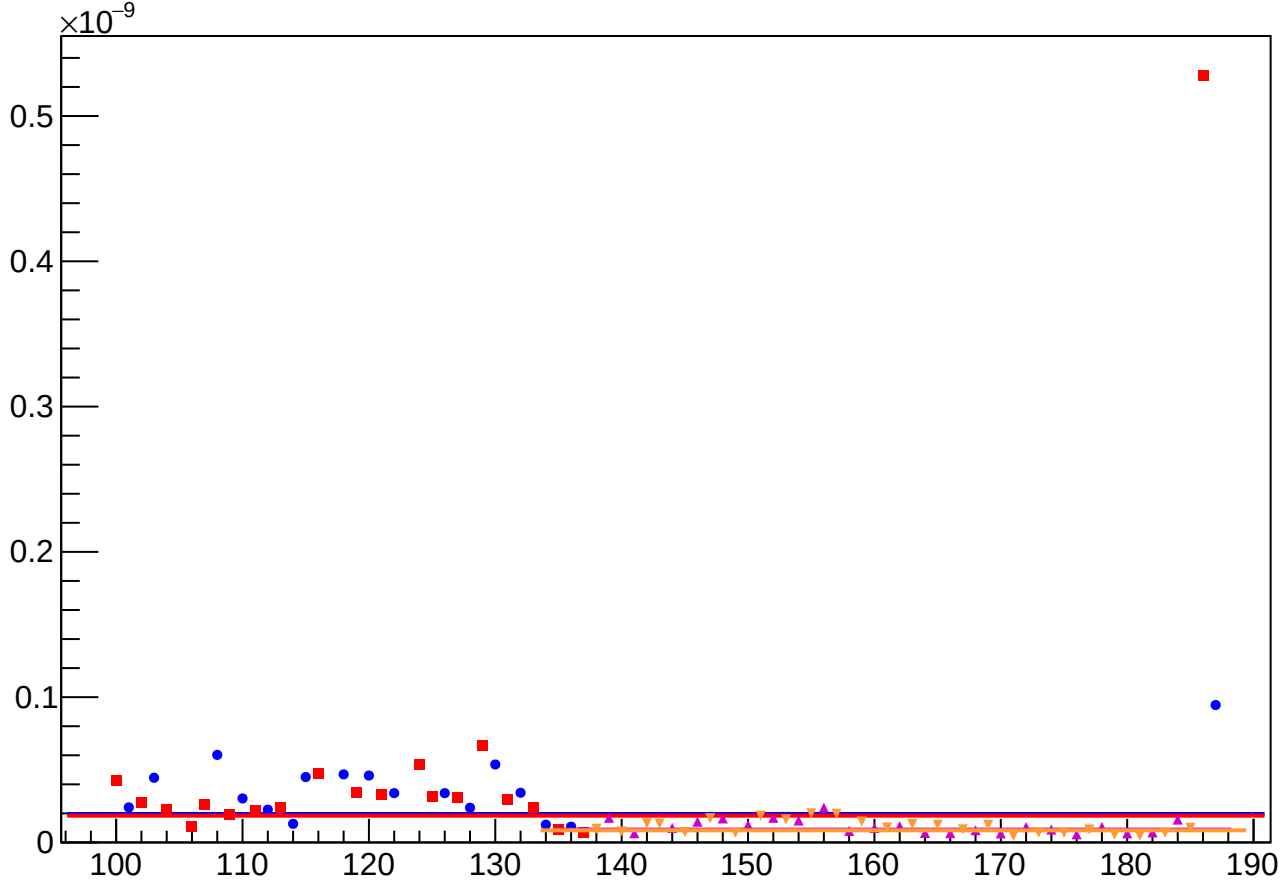
Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.6/41

All: -0.000+/-0.000 χ^2/NDF: 68.7/84

- sign -0.000+/-0.000 χ^2/NDF: 35.5/42

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1878136.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1778837.4/19

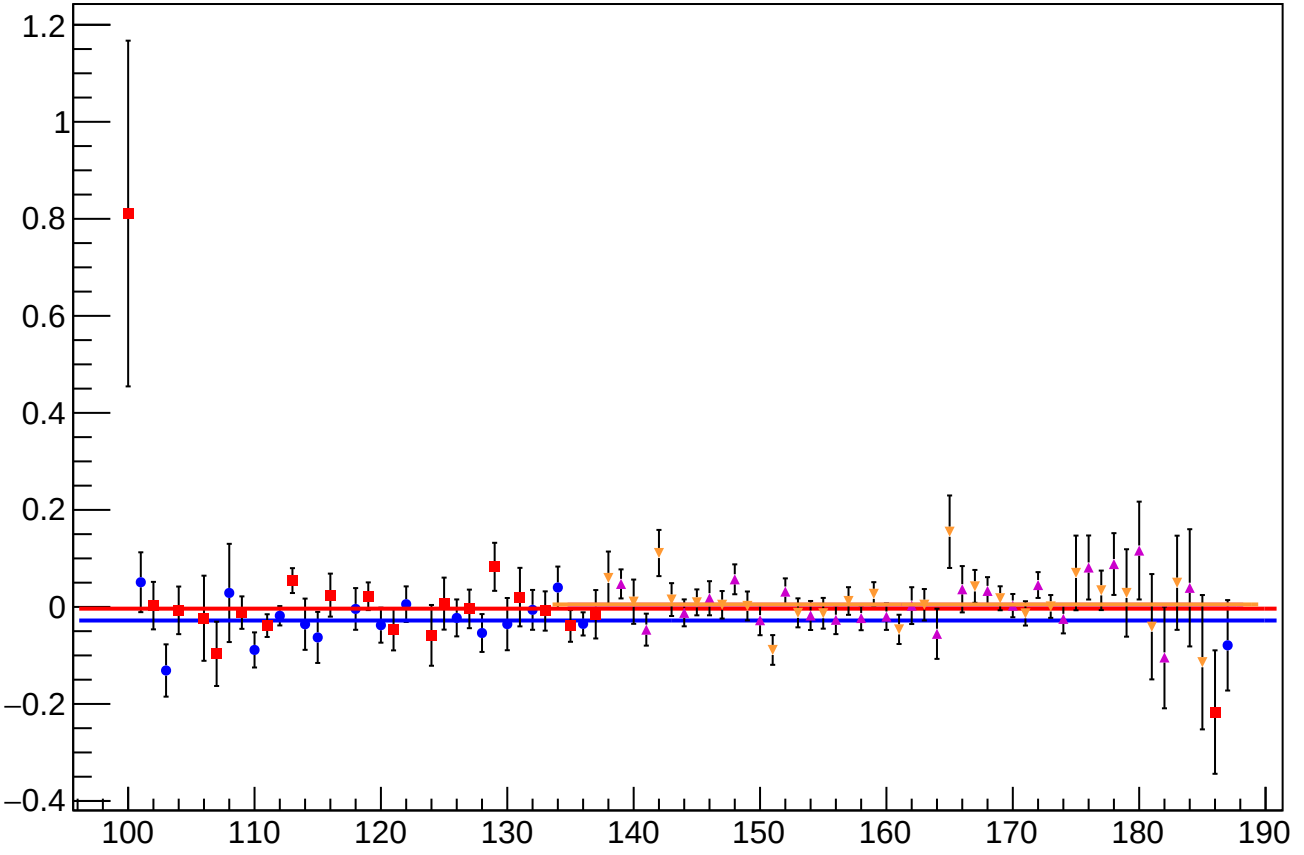
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5574688.4/41

All: 0.000+/-0.000 χ^2/NDF: 10162872.4/84

- sign 0.000+/-0.000 χ^2/NDF: 4566340.9/42

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 24.9/19

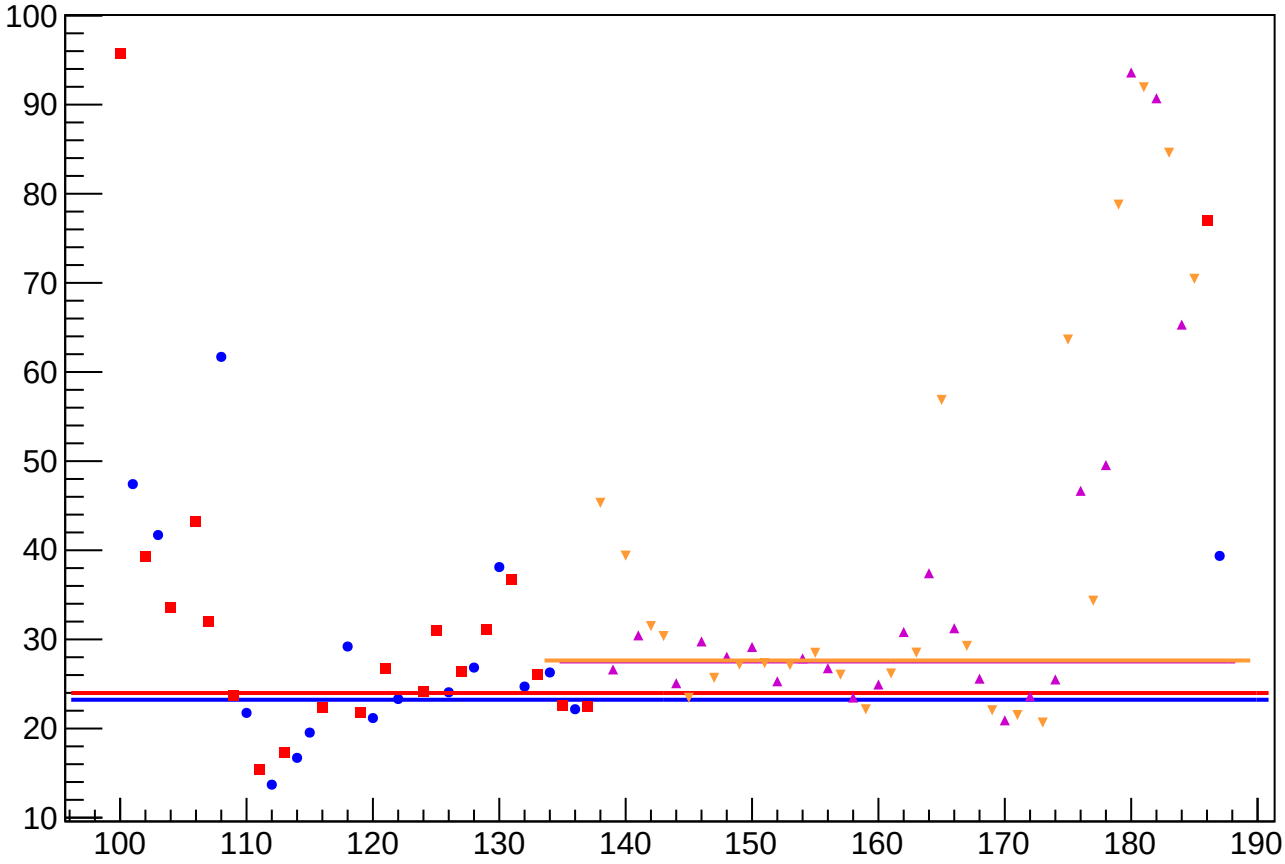
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 50.6/41

All: -0.002+/-0.004 χ^2/NDF: 102.1/84

- sign 0.002+/-0.006 χ^2/NDF: 50.5/42

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.230+/-0.007 χ^2/NDF: 1625031.7/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

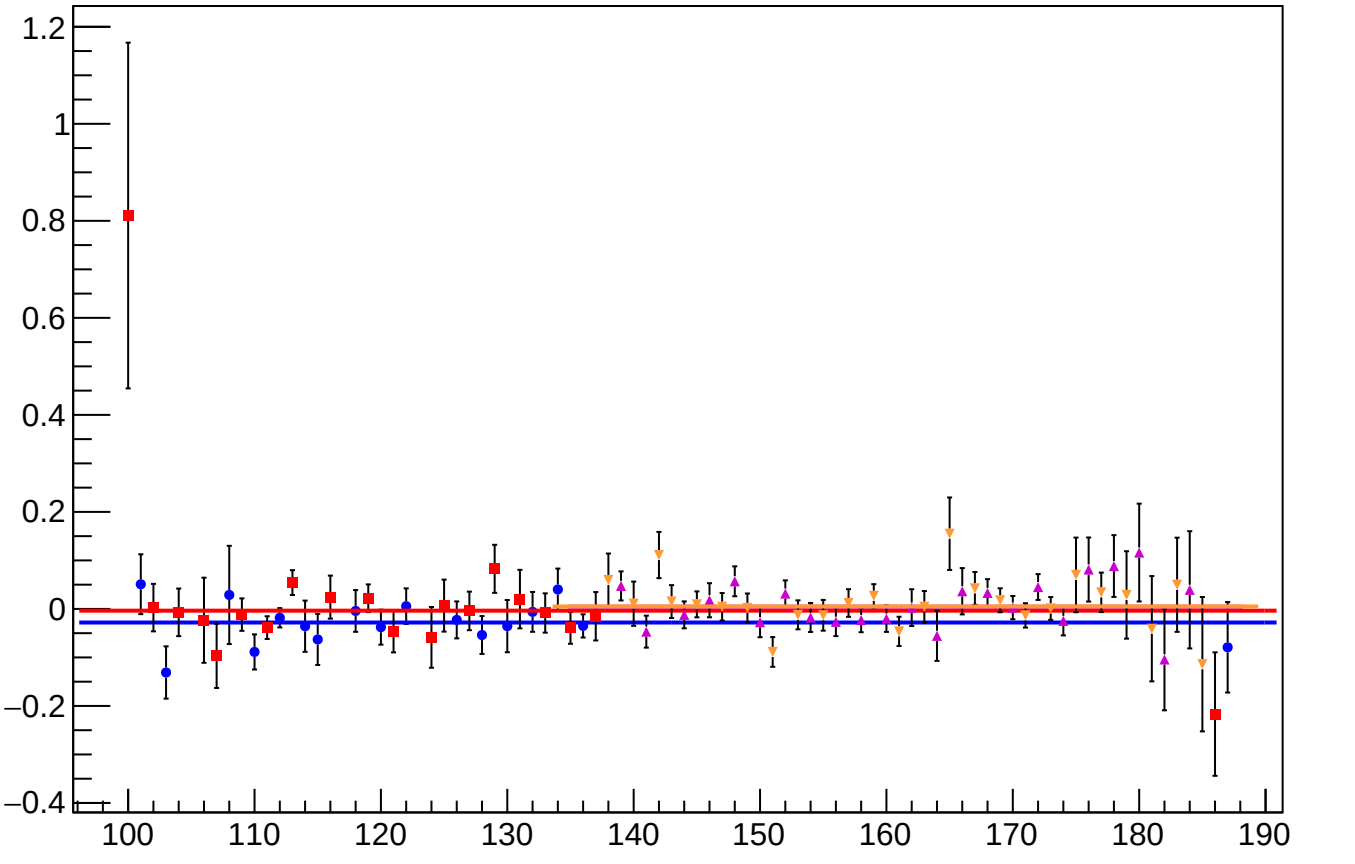
Right Out: 23.985+/-0.007 χ^2/NDF: 1437439.3/19

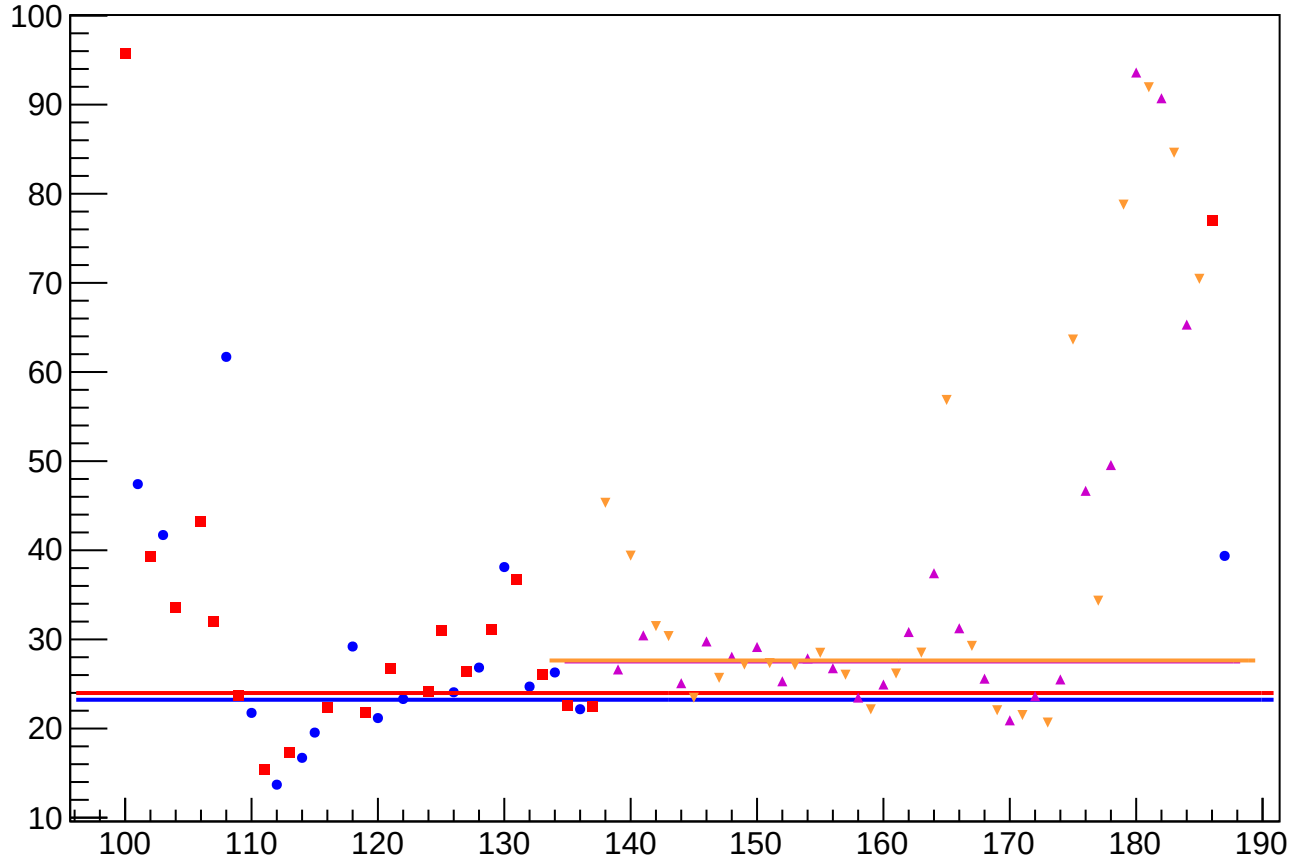
Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.096+/-0.004 χ^2/NDF: 5888197.4/41

All: 26.169+/-0.003 χ^2/NDF: 10146963.3/84

- sign 26.243+/-0.004 χ^2/NDF: 4258066.4/42


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.028+/-0.009 χ²/NDF: 14.0/16
Left Out: 0.005+/-0.007 χ²/NDF:28.4/24
Right Out: -0.004+/-0.009 χ²/NDF: 24.9/19
Left In: 0.005+/-0.007 χ²/NDF:25.1/22
+ sign -0.006+/-0.006 χ²/NDF: 50.6/41
All: -0.002+/-0.004 χ²/NDF: 102.1/84
- sign 0.002+/-0.006 χ²/NDF: 50.5/42



Right In: 23.230+/-0.007 χ^2/NDF: 1625031.7/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

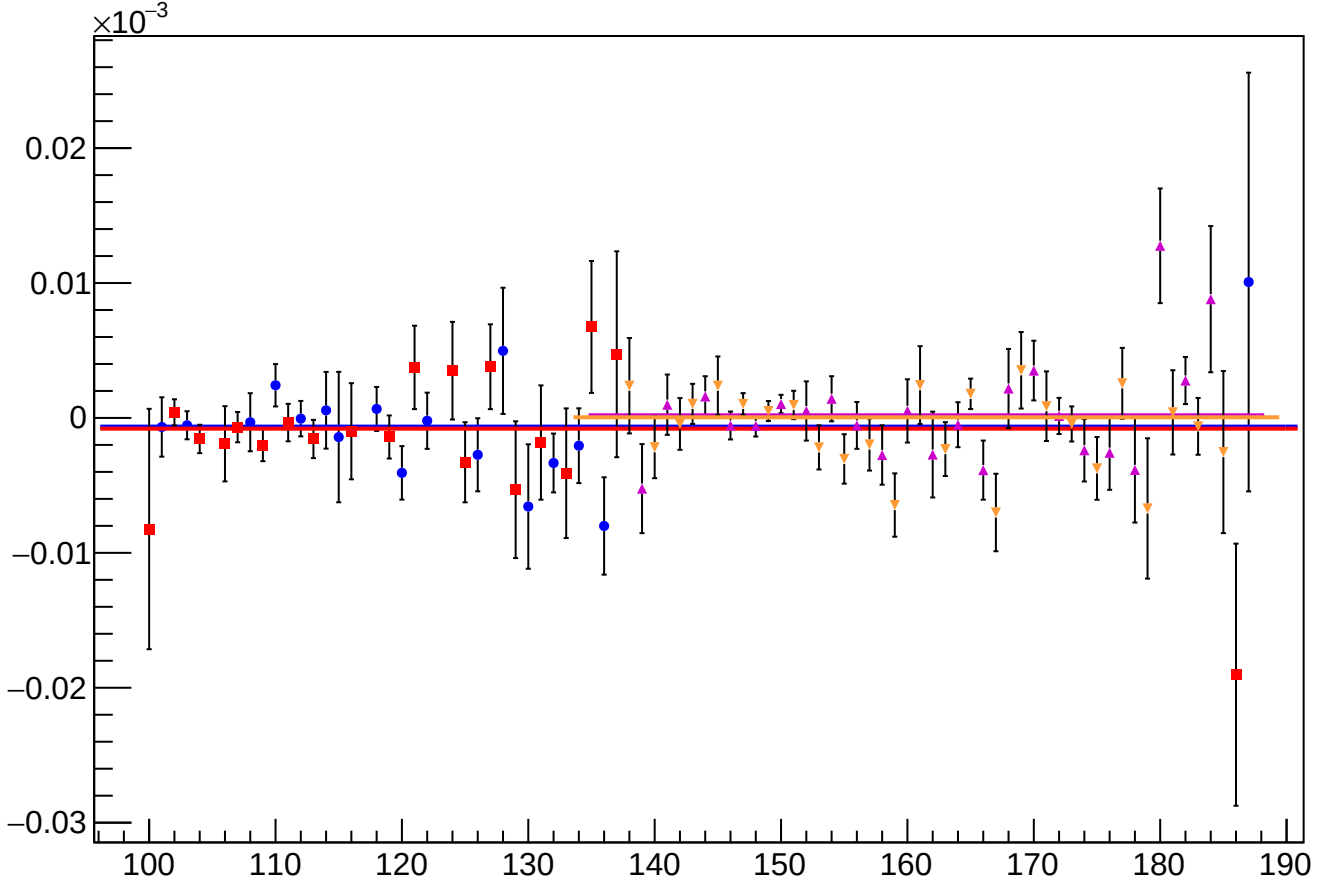
Right Out: 23.985+/-0.007 χ^2/NDF: 1437439.3/19

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 26.096+/-0.004 χ^2/NDF: 5888197.4/41

All: 26.169+/-0.003 χ^2/NDF: 10146963.3/84

- sign 26.243+/-0.004 χ^2/NDF: 4258066.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

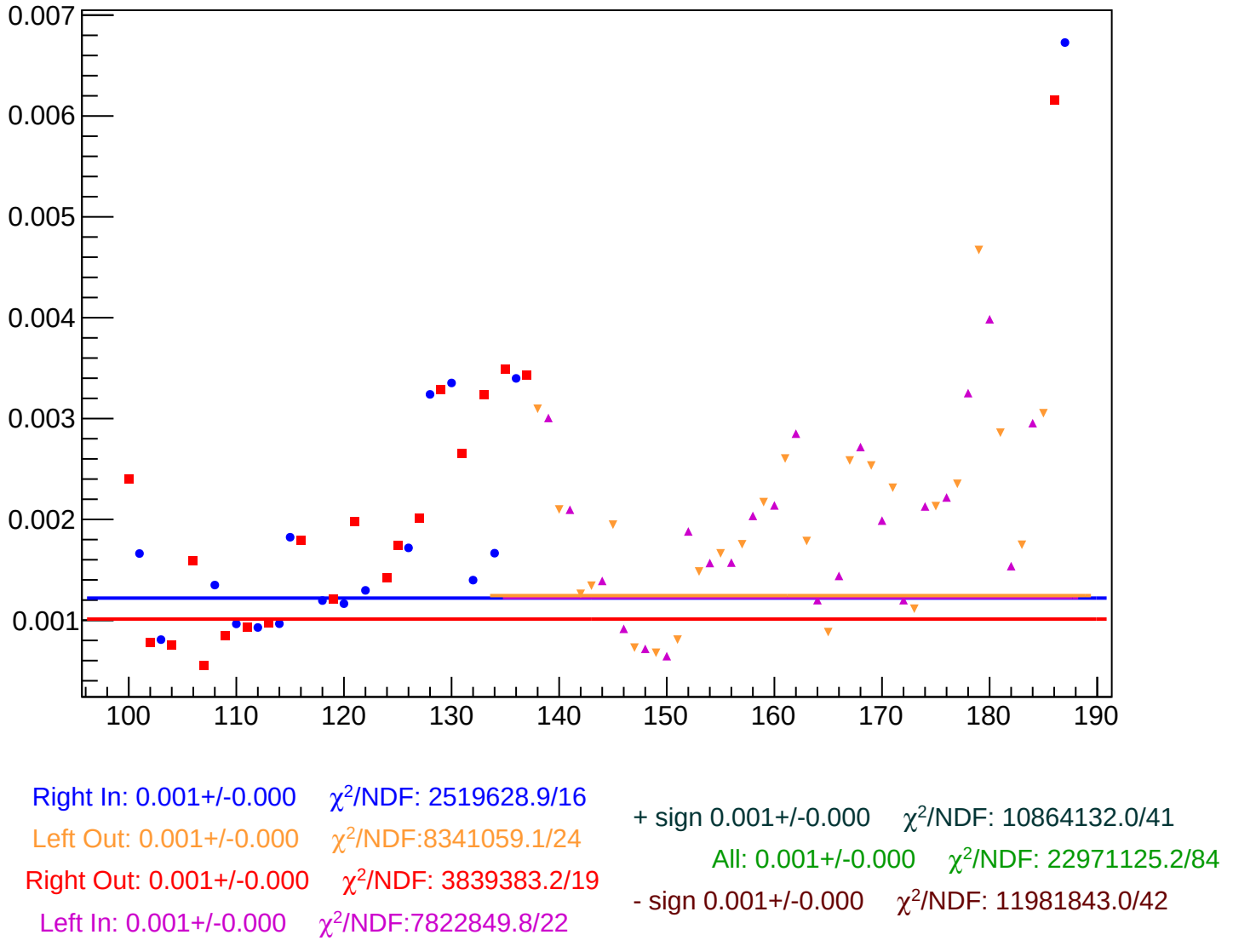
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/19

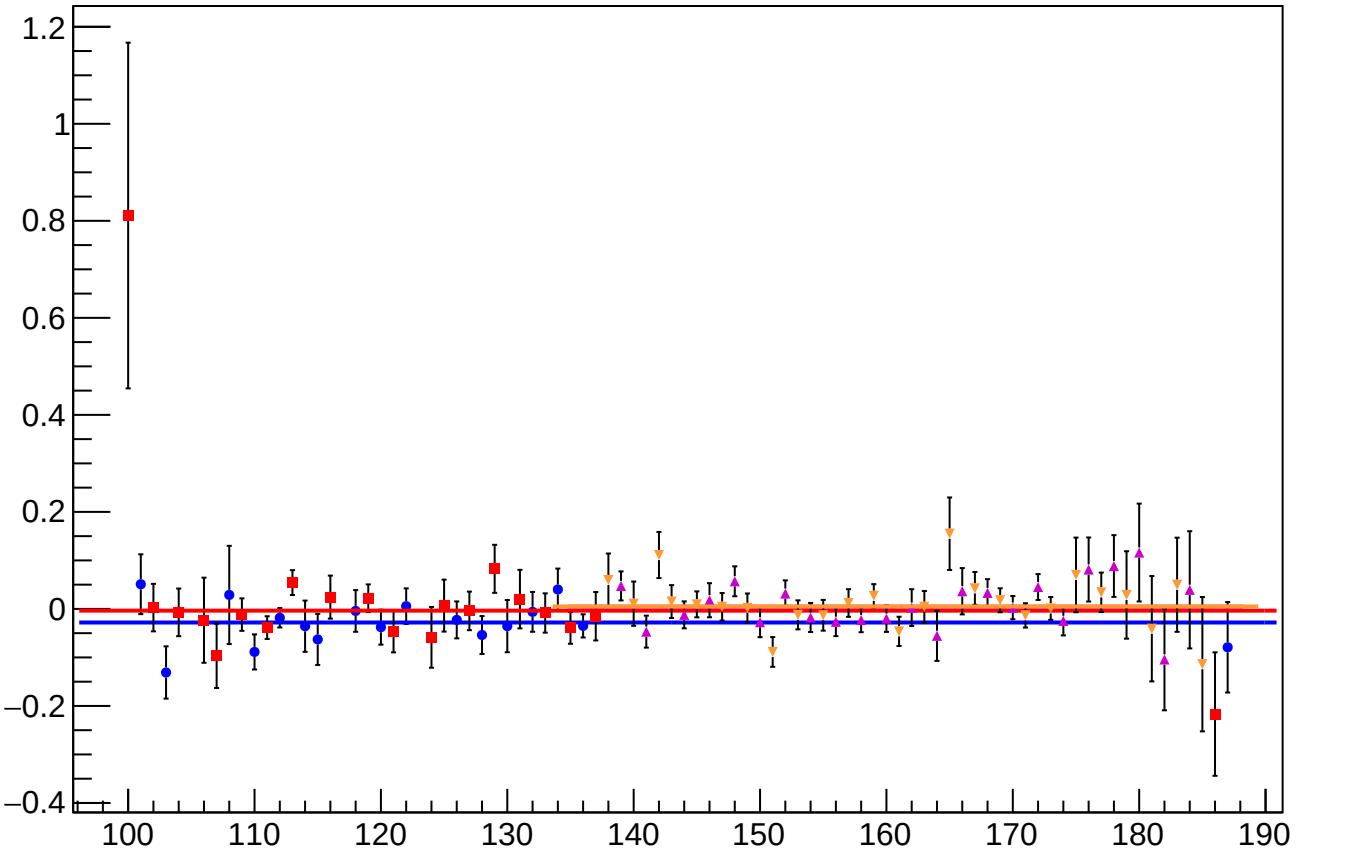
Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/41

All: -0.000+/-0.000 χ^2/NDF: 111.8/84

- sign -0.000+/-0.000 χ^2/NDF: 55.4/42


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 2519628.9/16
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 3839383.2/19
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
+ sign 0.001+/-0.000 χ²/NDF: 10864132.0/41
All: 0.001+/-0.000 χ²/NDF: 22971125.2/84
- sign 0.001+/-0.000 χ²/NDF: 11981843.0/42



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

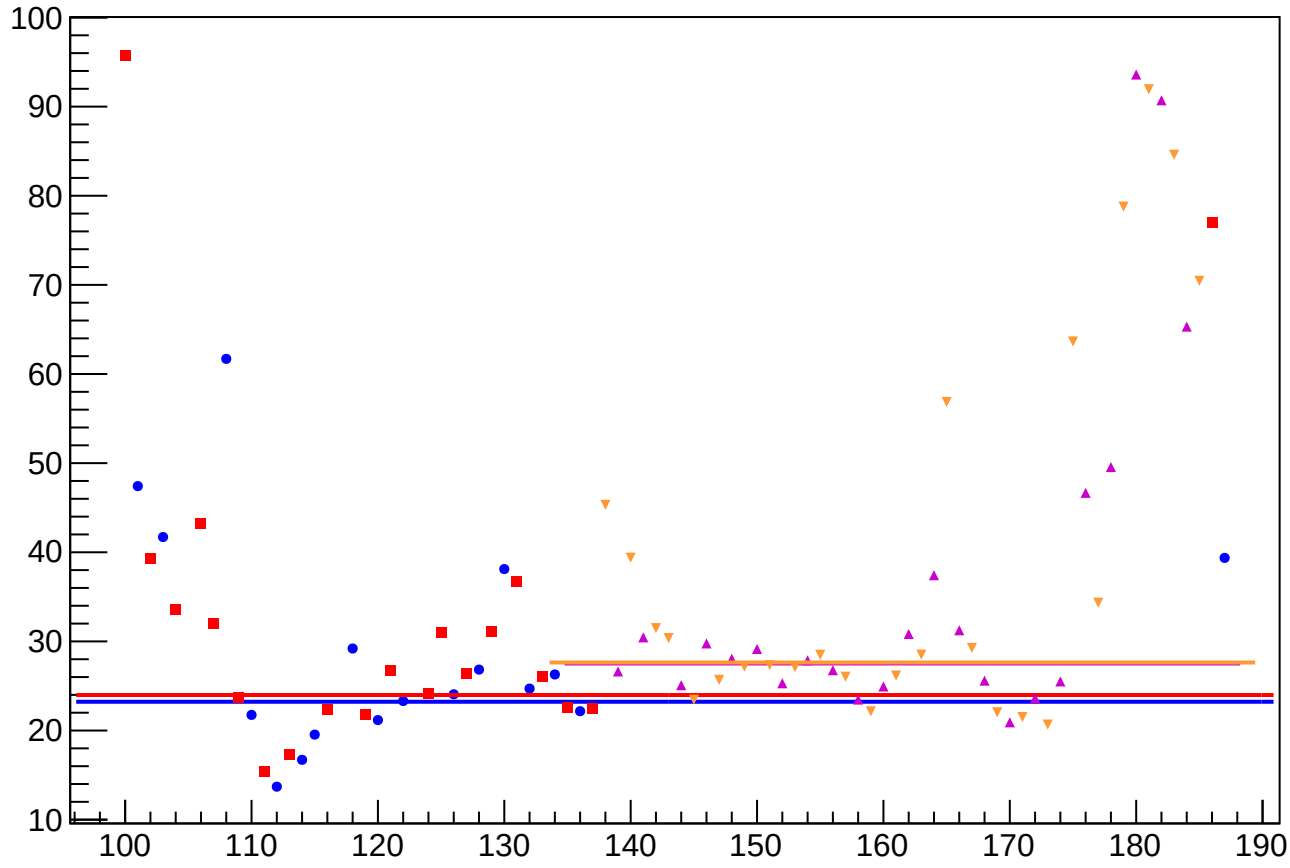
Right Out: -0.004+/-0.009 χ^2/NDF: 24.9/19

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 50.5/41

All: -0.002+/-0.004 χ^2/NDF: 102.1/84

- sign 0.002+/-0.006 χ^2/NDF: 50.5/42



Right In: 23.229+/-0.007 χ^2/NDF: 1625053.2/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

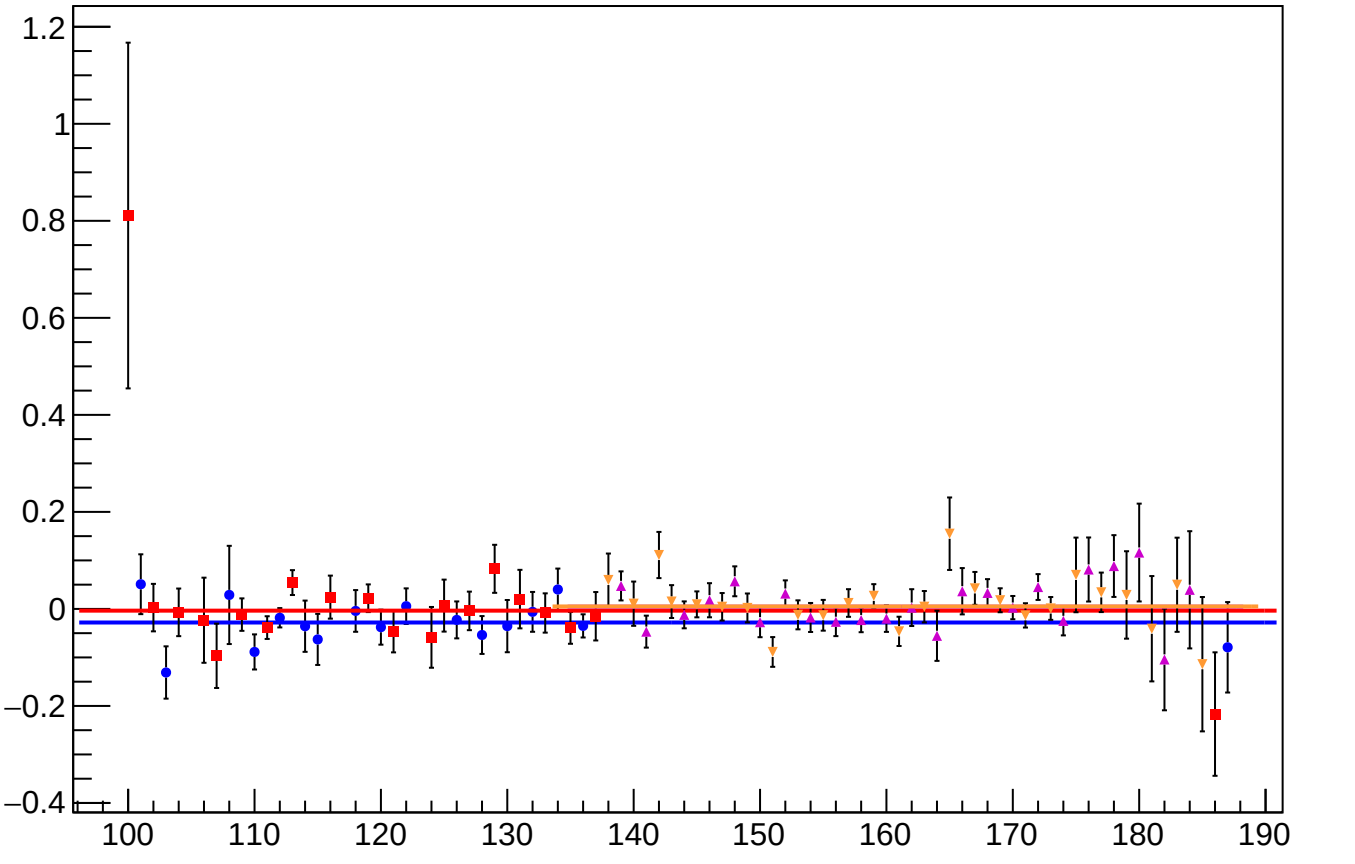
Right Out: 23.985+/-0.007 χ^2/NDF: 1437498.2/19

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.096+/-0.004 χ^2/NDF: 5888229.2/41

All: 26.169+/-0.003 χ^2/NDF: 10147068.8/84

- sign 26.243+/-0.004 χ^2/NDF: 4258141.2/42



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

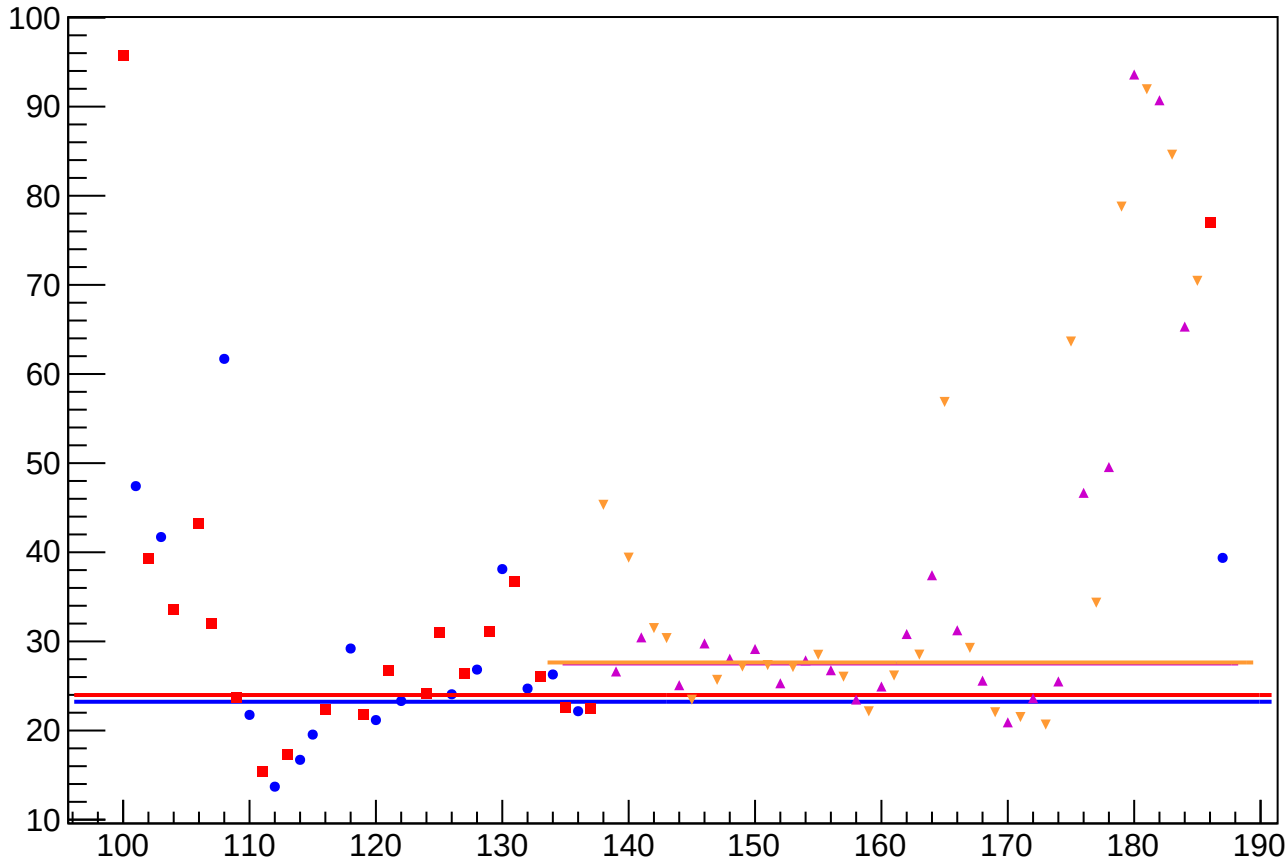
Right Out: -0.004+/-0.009 χ^2/NDF: 24.9/19

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.006+/-0.006 χ^2/NDF: 50.5/41

All: -0.002+/-0.004 χ^2/NDF: 102.1/84

- sign 0.002+/-0.006 χ^2/NDF: 50.5/42



Right In: 23.229+/-0.007 χ^2/NDF: 1625053.2/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

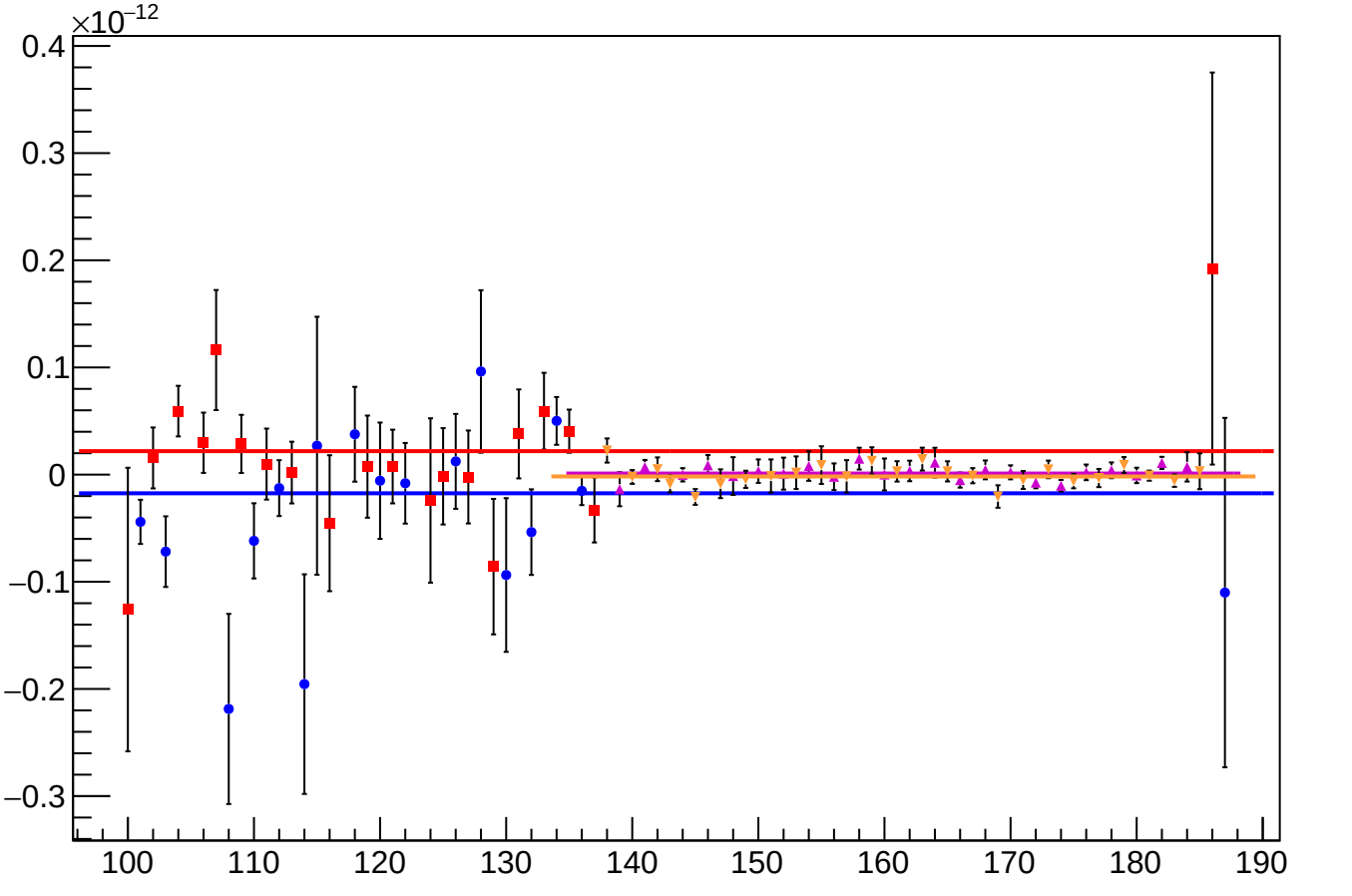
Right Out: 23.985+/-0.007 χ^2/NDF: 1437498.2/19

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 26.096+/-0.004 χ^2/NDF: 5888229.2/41

All: 26.169+/-0.003 χ^2/NDF: 10147068.8/84

- sign 26.243+/-0.004 χ^2/NDF: 4258141.2/42



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

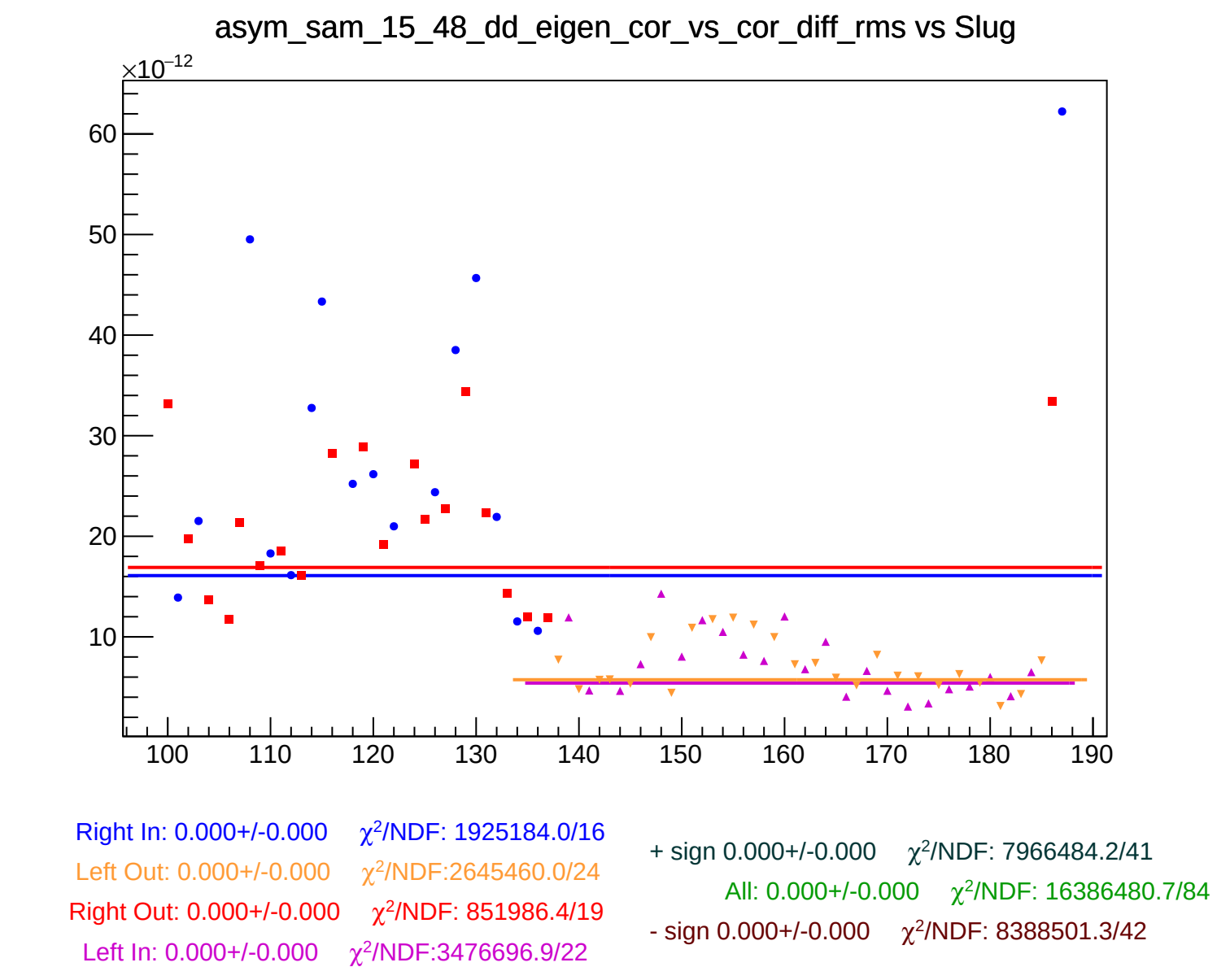
Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

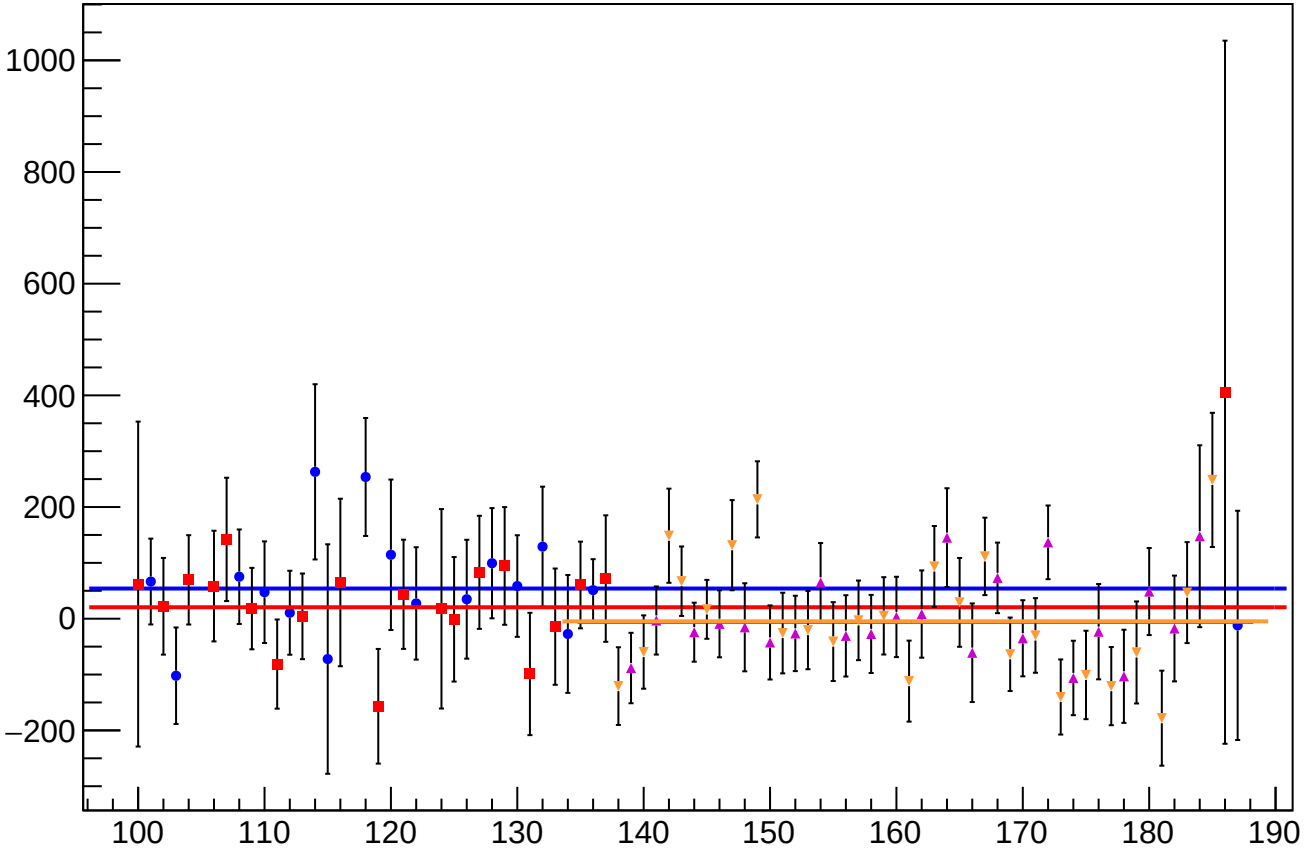
+ sign -0.000+/-0.000 χ^2/NDF: 58.5/41

All: -0.000+/-0.000 χ^2/NDF: 104.1/84

- sign 0.000+/-0.000 χ^2/NDF: 42.1/42


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1925184.0/16
Left Out: 0.000+/-0.000 χ²/NDF:2645460.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 851986.4/19
Left In: 0.000+/-0.000 χ²/NDF:3476696.9/22
+ sign 0.000+/-0.000 χ²/NDF: 7966484.2/41
All: 0.000+/-0.000 χ²/NDF: 16386480.7/84
- sign 0.000+/-0.000 χ²/NDF: 8388501.3/42

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 54.042+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 20.515+/-22.557 χ^2/NDF: 9.6/19

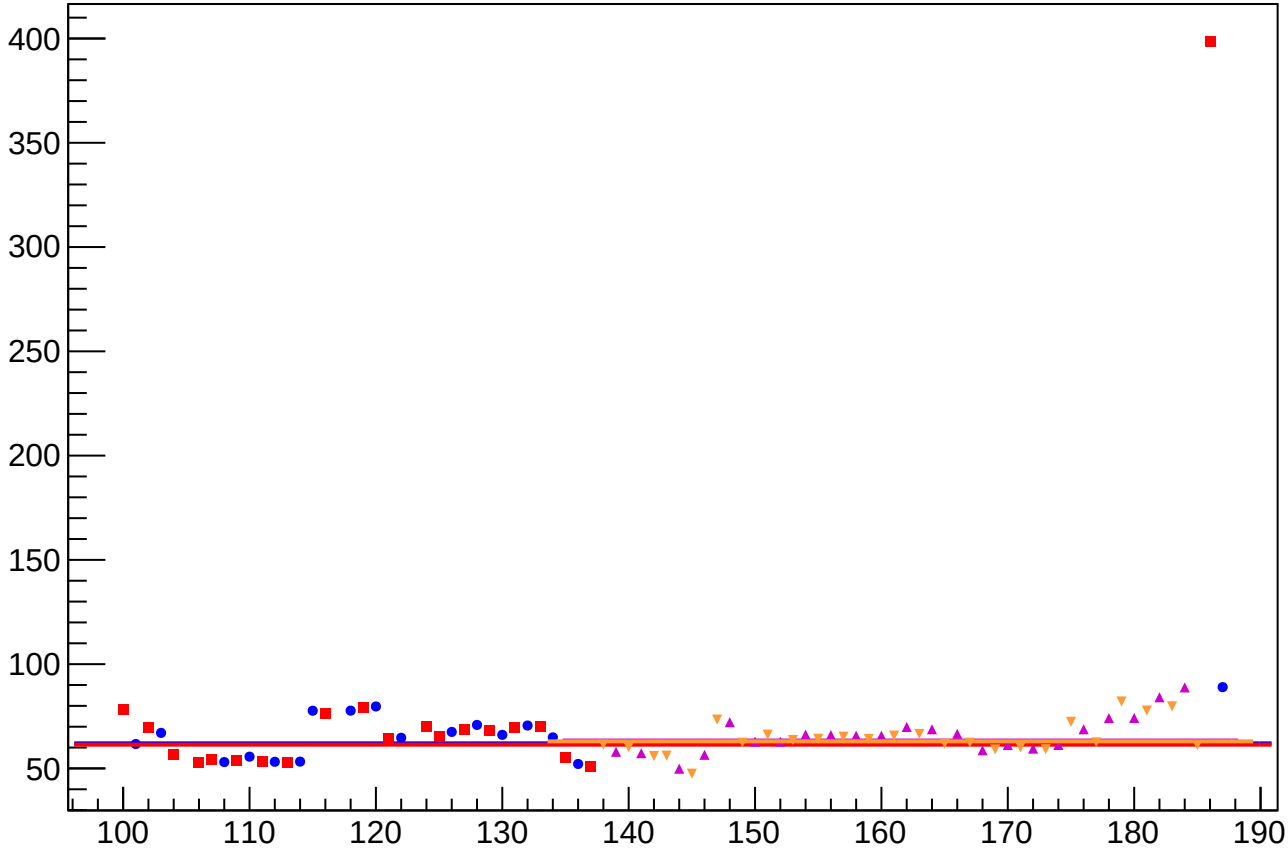
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign 11.830+/-12.229 χ^2/NDF: 63.2/41

All: 7.118+/-8.725 χ^2/NDF: 92.3/84

- sign 2.233+/-12.450 χ^2/NDF: 28.8/42

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.017+/-0.016 χ^2/NDF: 302049.1/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

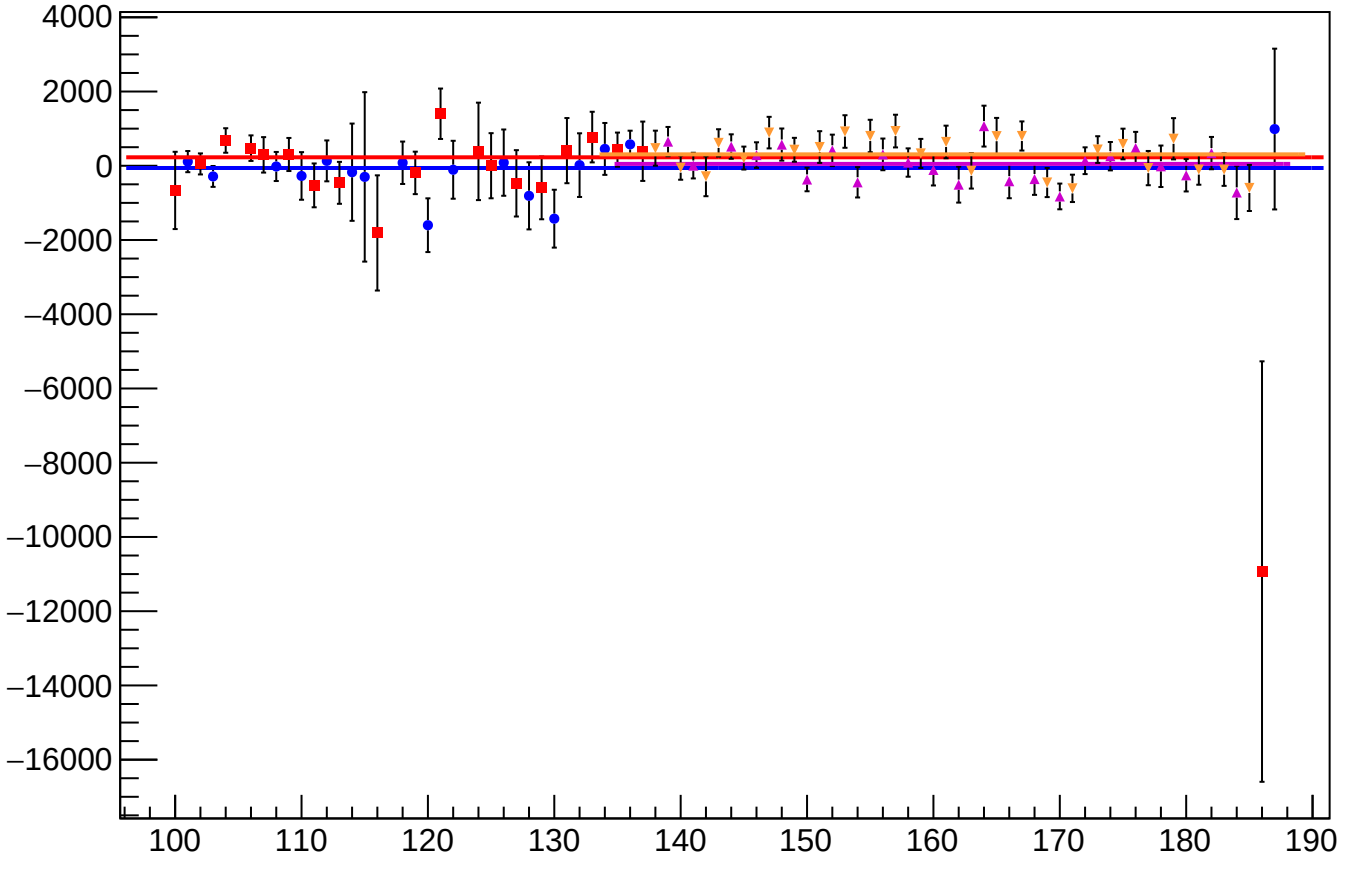
Right Out: 61.400+/-0.016 χ^2/NDF: 858351.1/19

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.706+/-0.009 χ^2/NDF: 831401.2/41

All: 62.736+/-0.006 χ^2/NDF: 2197262.6/84

- sign 62.767+/-0.009 χ^2/NDF: 1365837.1/42



Right In: -60.073+/-129.442 χ^2/NDF: 13.4/16

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 227.960+/-122.762 χ^2/NDF: 18.4/19

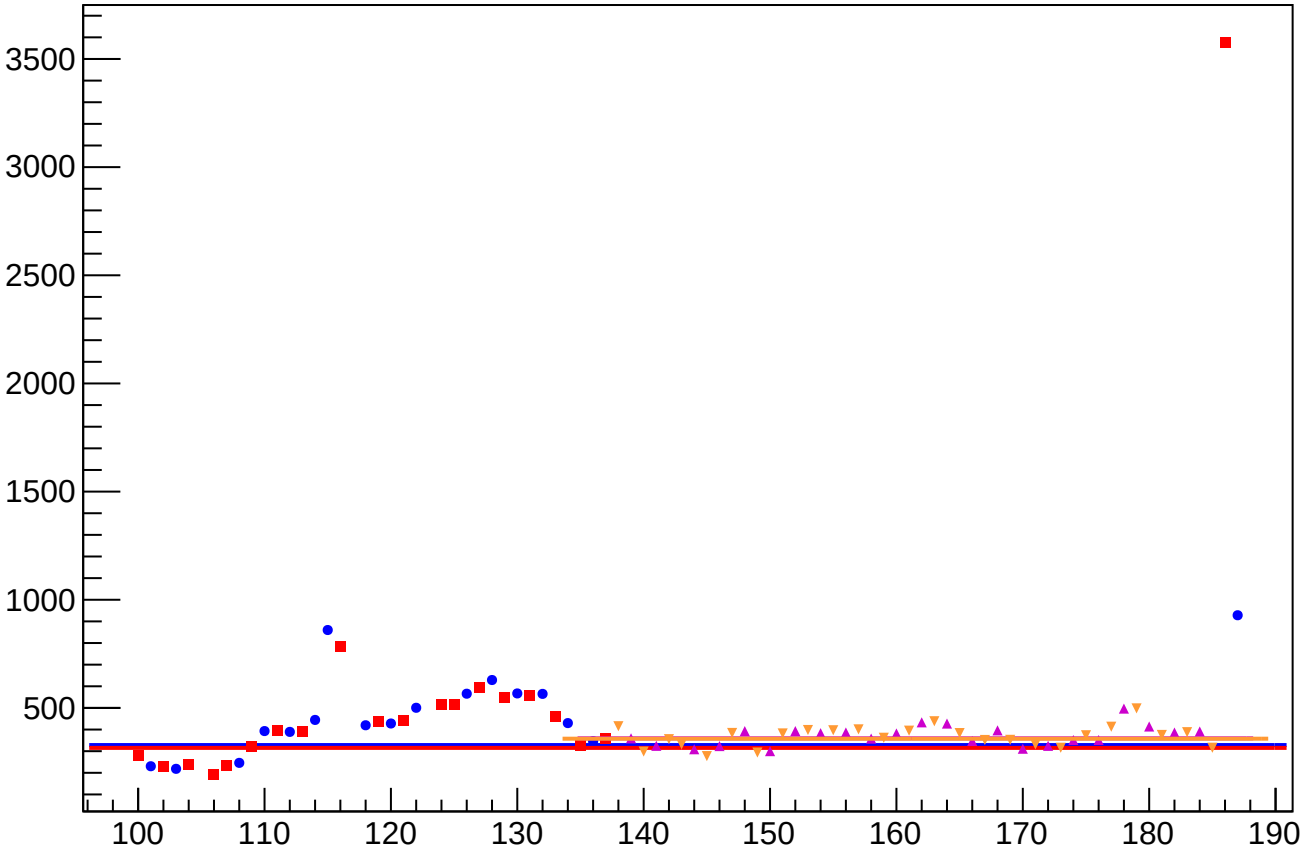
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 201.347+/-69.488 χ^2/NDF: 49.8/41

All: 154.650+/-49.243 χ^2/NDF: 97.8/84

- sign 107.541+/-69.793 χ^2/NDF: 47.1/42

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 328.299+/-0.092 χ^2/NDF: 1888134.3/16

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 315.205+/-0.087 χ^2/NDF: 2450606.0/19

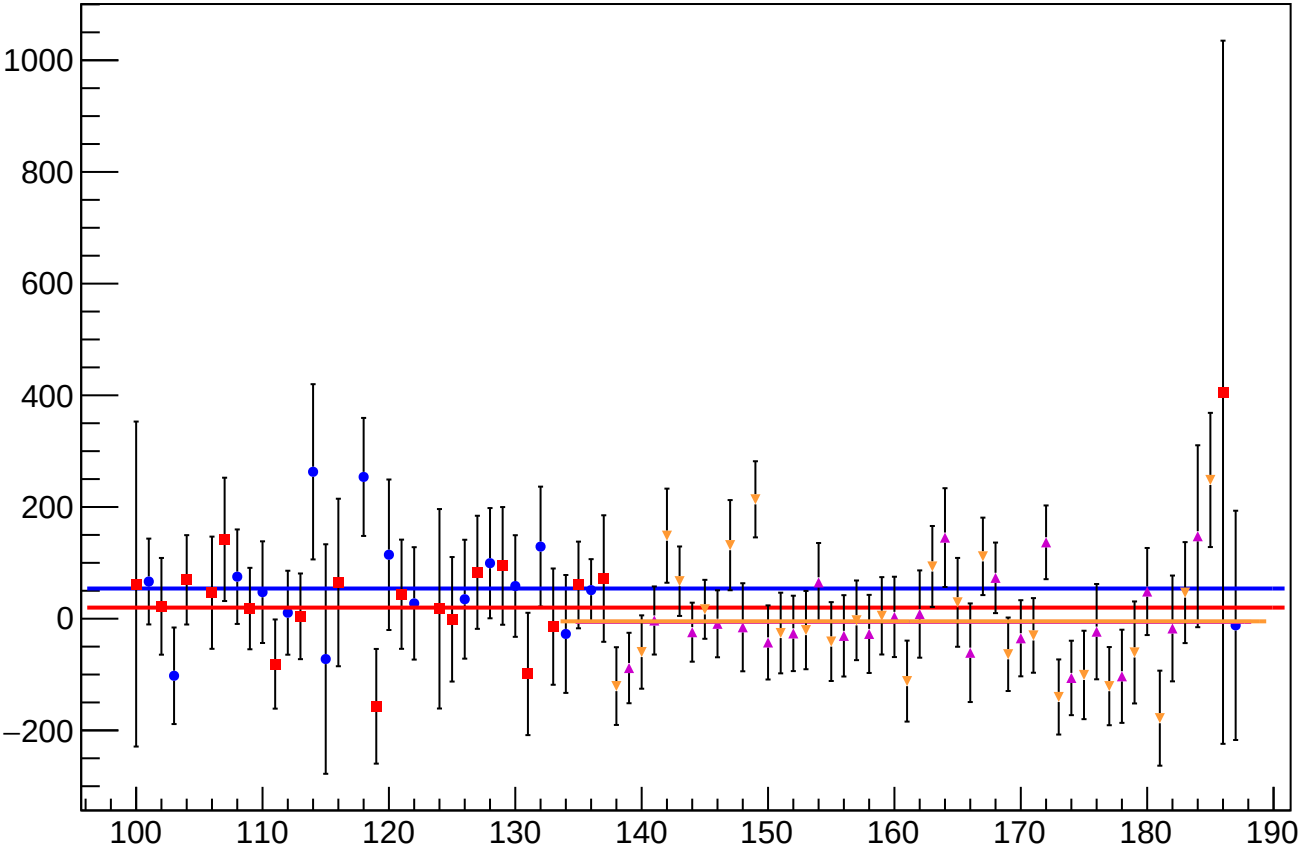
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 349.250+/-0.049 χ^2/NDF: 2645467.2/41

All: 347.175+/-0.035 χ^2/NDF: 5794446.5/84

- sign 345.081+/-0.049 χ^2/NDF: 3145396.7/42

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.036+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 19.849+/-22.573 χ^2/NDF: 9.5/19

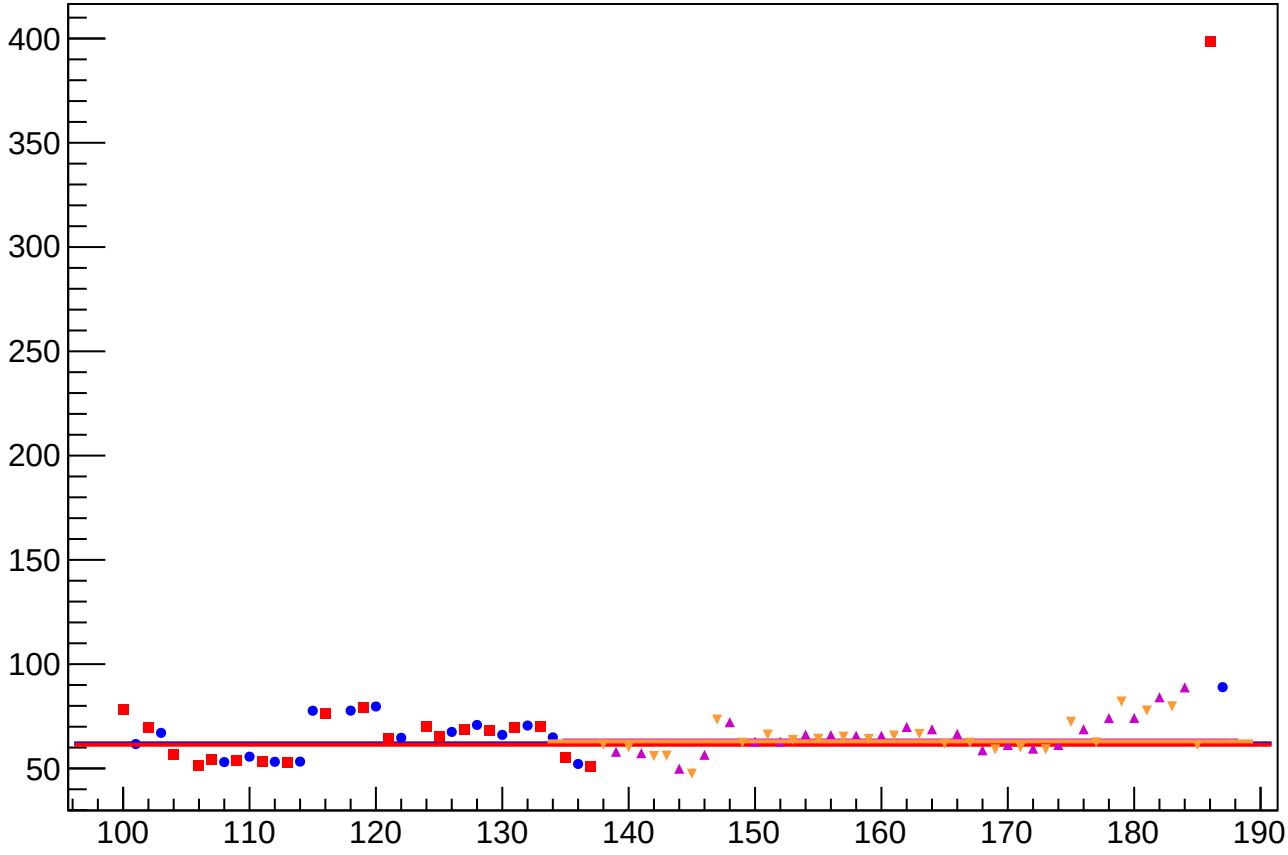
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.824+/-12.229 χ^2/NDF: 63.2/41

All: 7.013+/-8.725 χ^2/NDF: 92.2/84

- sign 2.023+/-12.453 χ^2/NDF: 28.7/42

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.017+/-0.016 χ^2/NDF: 302049.2/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

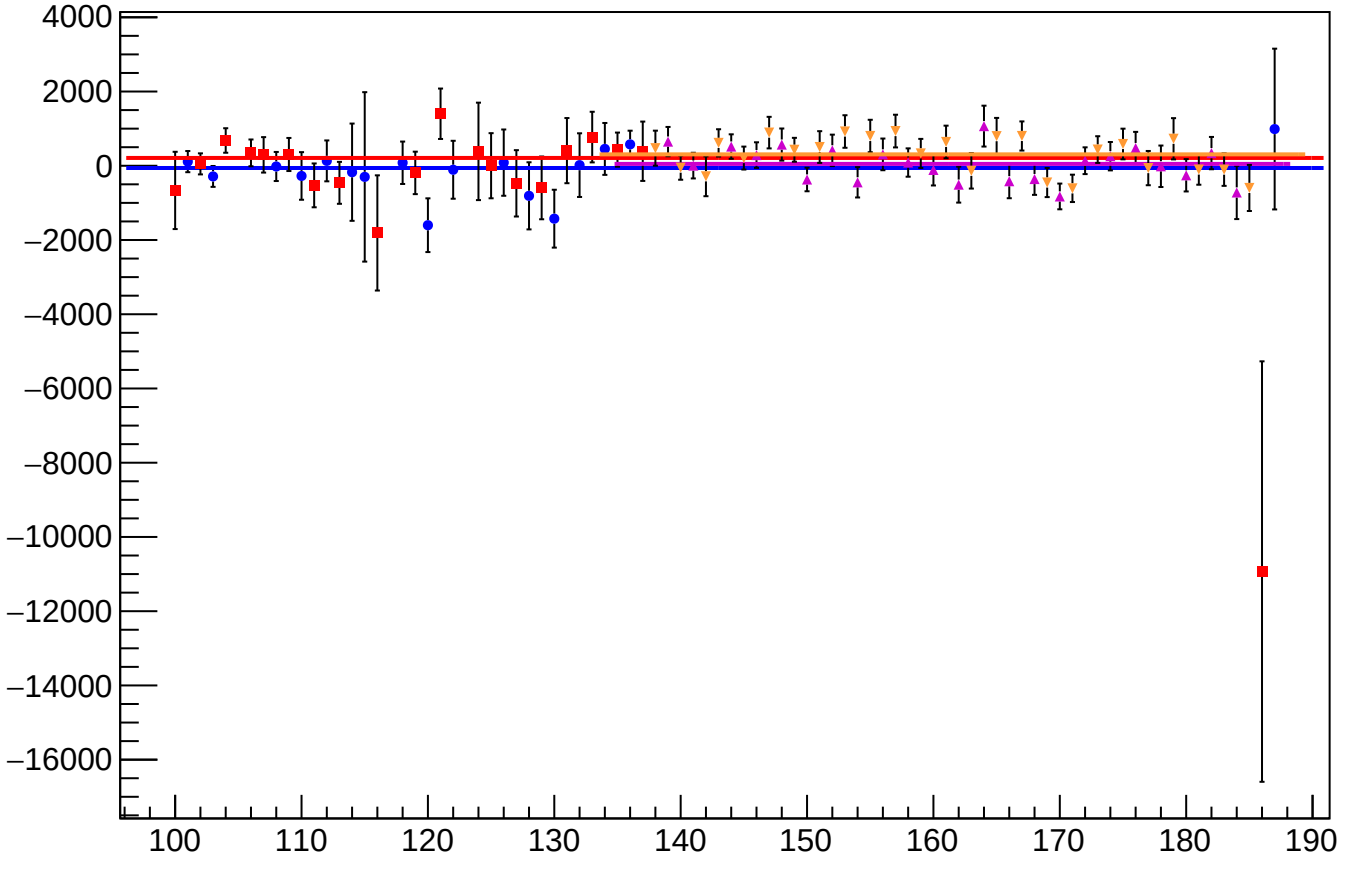
Right Out: 61.360+/-0.016 χ^2/NDF: 861885.2/19

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.706+/-0.009 χ^2/NDF: 831401.4/41

All: 62.730+/-0.006 χ^2/NDF: 2201213.1/84

- sign 62.755+/-0.009 χ^2/NDF: 1369795.8/42



Right In: -60.059+/-129.443 χ^2/NDF: 13.4/16

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 210.614+/-123.462 χ^2/NDF: 18.0/19

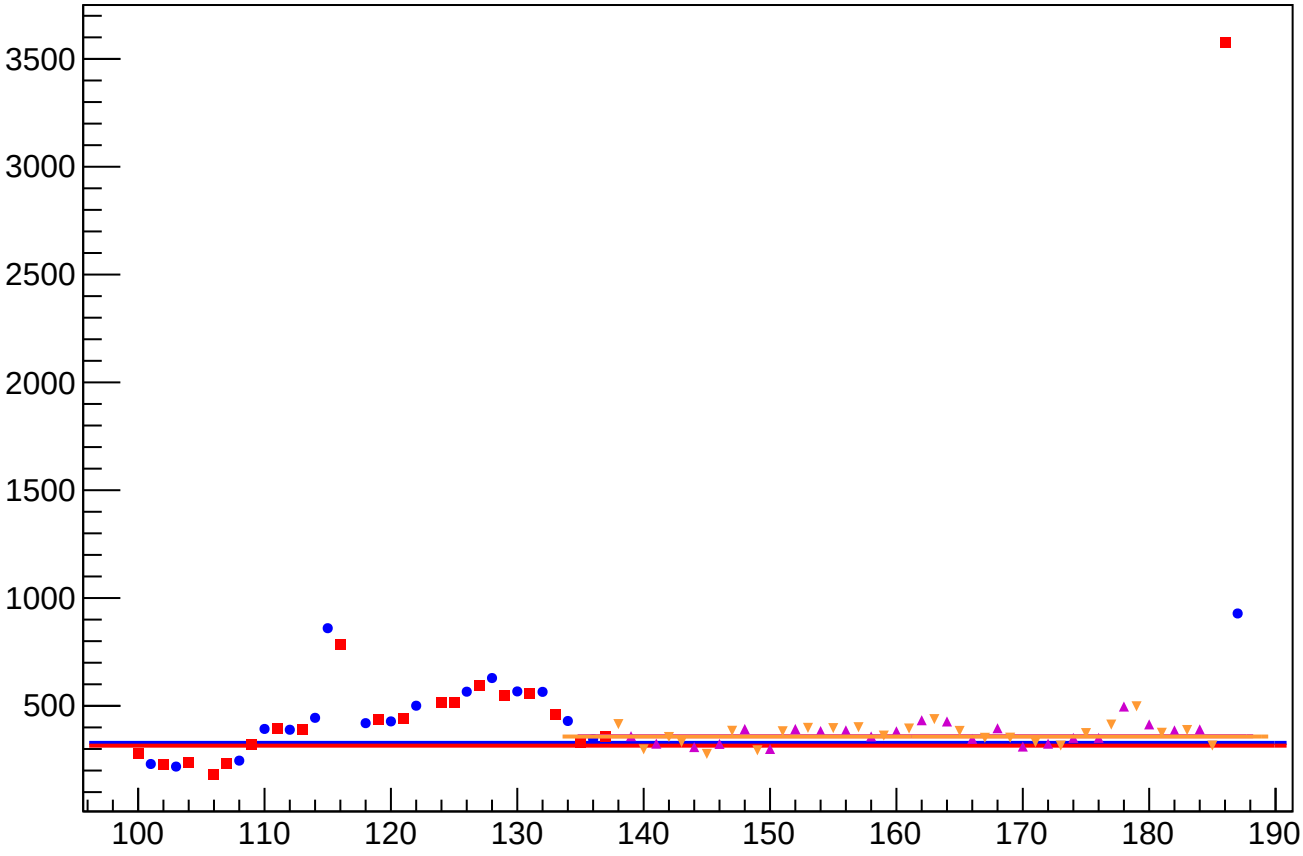
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 201.348+/-69.488 χ^2/NDF: 49.8/41

All: 151.752+/-49.288 χ^2/NDF: 97.2/84

- sign 101.535+/-69.921 χ^2/NDF: 46.4/42

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 328.302+/-0.092 χ^2/NDF: 1888071.8/16

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 315.411+/-0.087 χ^2/NDF: 2468957.7/19

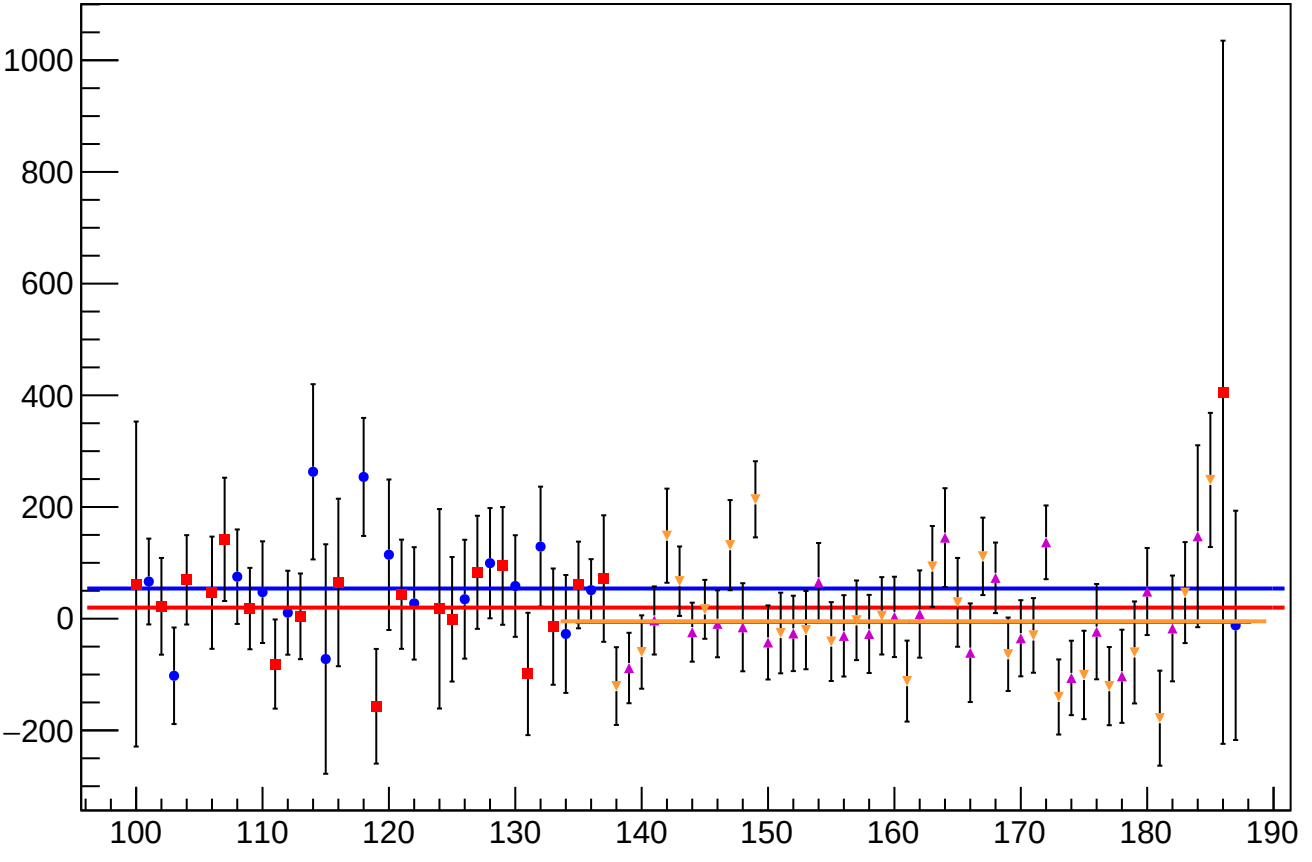
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 349.251+/-0.049 χ^2/NDF: 2645386.1/41

All: 347.266+/-0.035 χ^2/NDF: 5809457.2/84

- sign 345.257+/-0.049 χ^2/NDF: 3160788.6/42

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 54.036+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 19.849+/-22.573 χ^2/NDF: 9.5/19

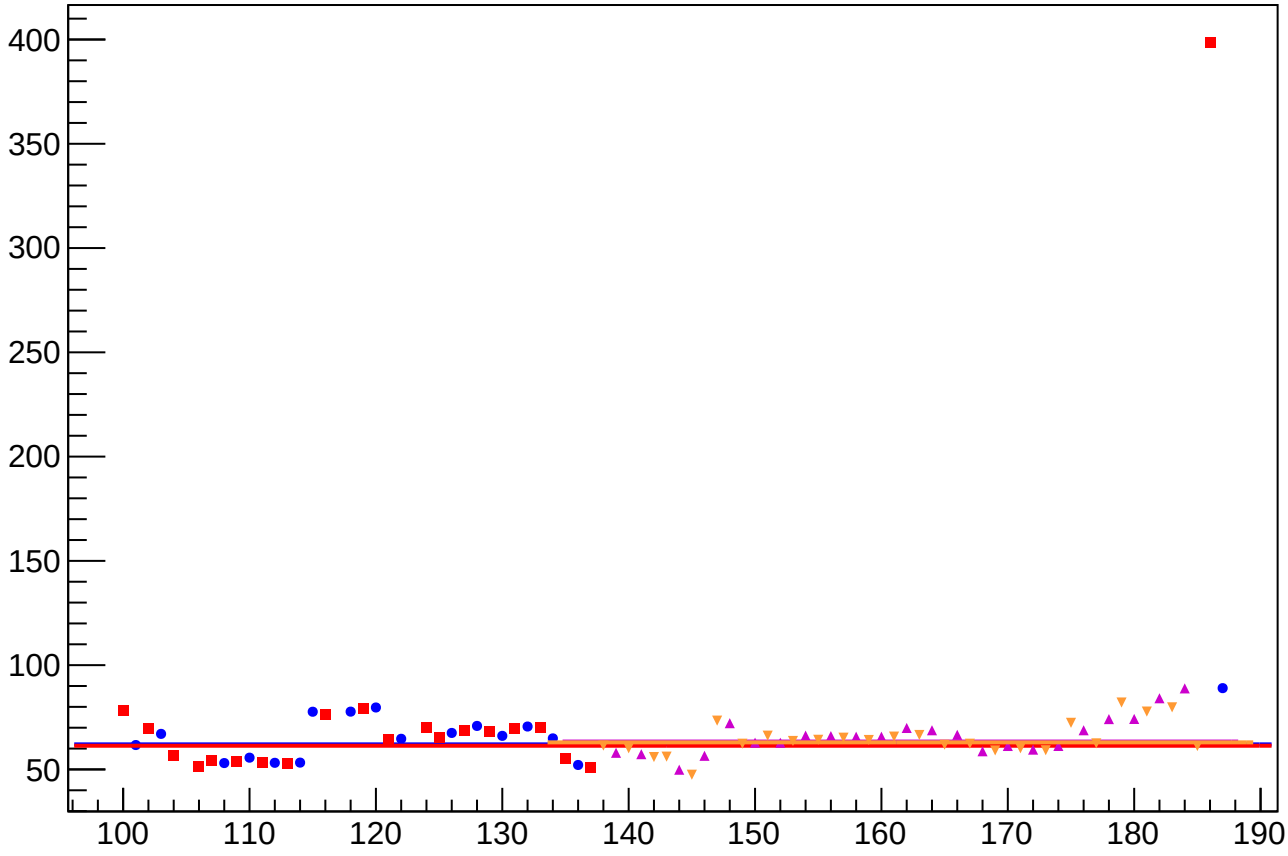
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign 11.824+/-12.229 χ^2/NDF: 63.2/41

All: 7.013+/-8.725 χ^2/NDF: 92.2/84

- sign 2.023+/-12.453 χ^2/NDF: 28.7/42

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.017+/-0.016 χ^2/NDF: 302049.2/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

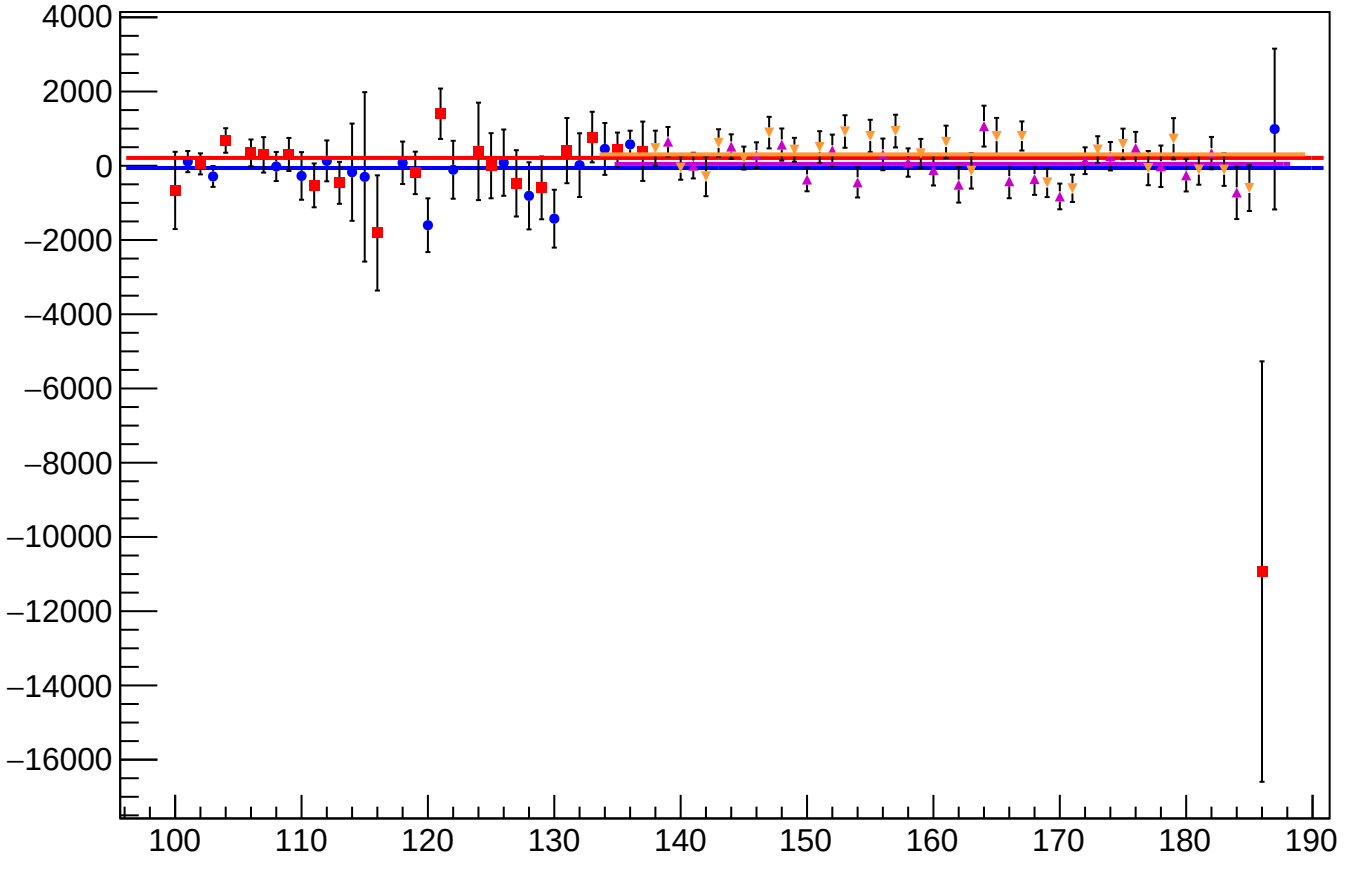
Right Out: 61.360+/-0.016 χ^2/NDF: 861885.2/19

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.706+/-0.009 χ^2/NDF: 831401.4/41

All: 62.730+/-0.006 χ^2/NDF: 2201213.1/84

- sign 62.755+/-0.009 χ^2/NDF: 1369795.8/42



Right In: -60.059+/-129.443 χ^2/NDF: 13.4/16

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

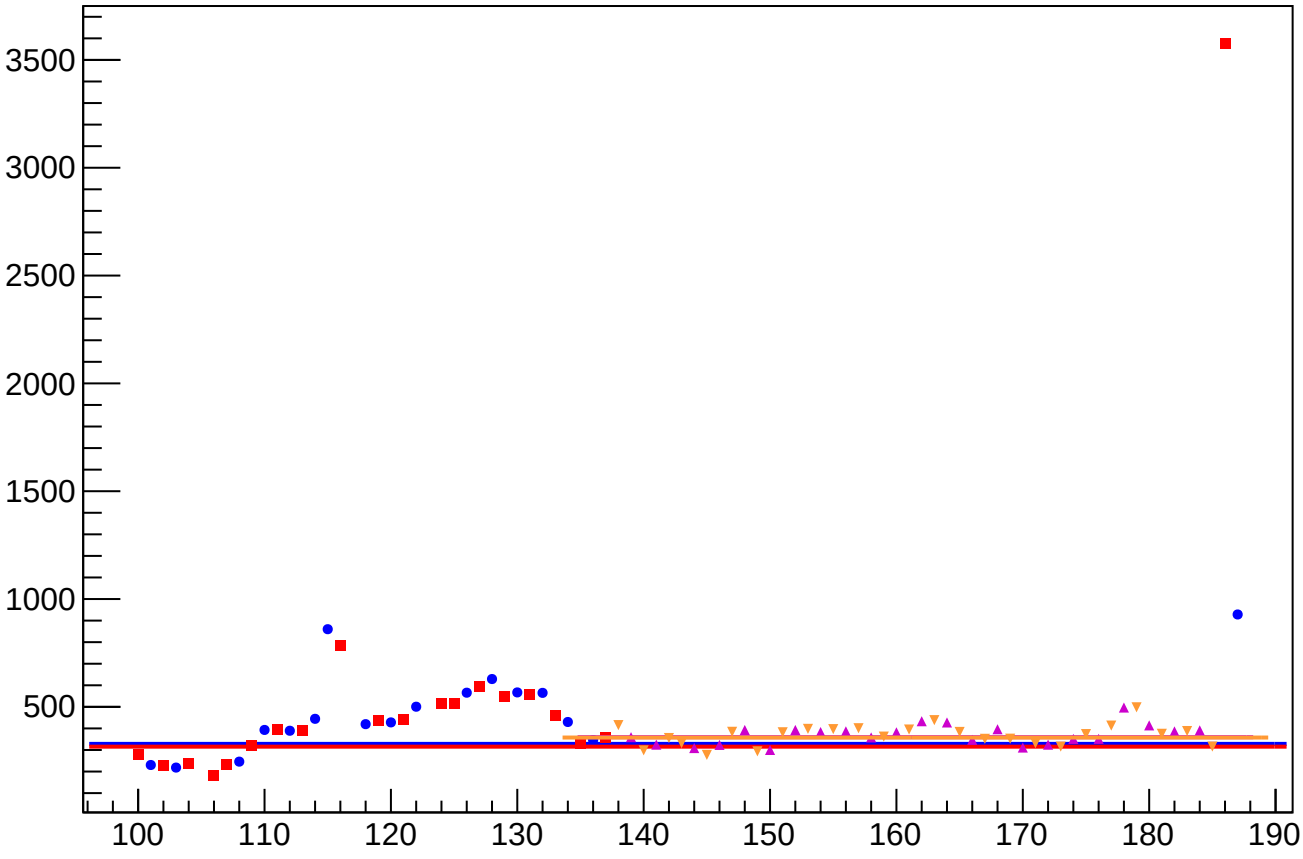
Right Out: 210.614+/-123.462 χ^2/NDF: 18.0/19

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 201.348+/-69.488 χ^2/NDF: 49.8/41

All: 151.752+/-49.288 χ^2/NDF: 97.2/84

- sign 101.535+/-69.921 χ^2/NDF: 46.4/42



Right In: 328.302+/-0.092 χ^2/NDF: 1888071.8/16

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 315.411+/-0.087 χ^2/NDF: 2468957.7/19

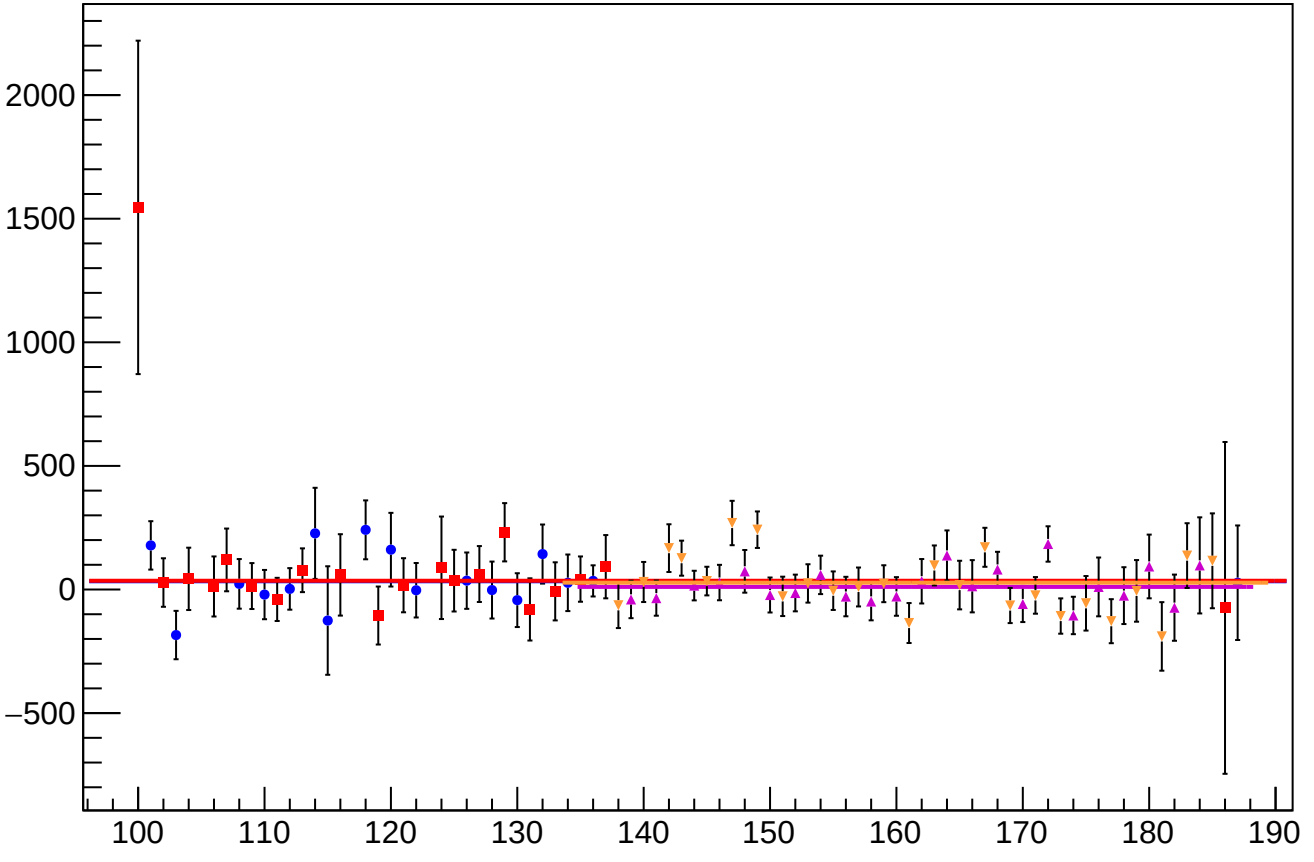
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 349.251+/-0.049 χ^2/NDF: 2645386.1/41

All: 347.266+/-0.035 χ^2/NDF: 5809457.2/84

- sign 345.257+/-0.049 χ^2/NDF: 3160788.6/42

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.322+/-26.245 χ^2/NDF: 14.5/16

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 35.404+/-26.515 χ^2/NDF: 12.1/19

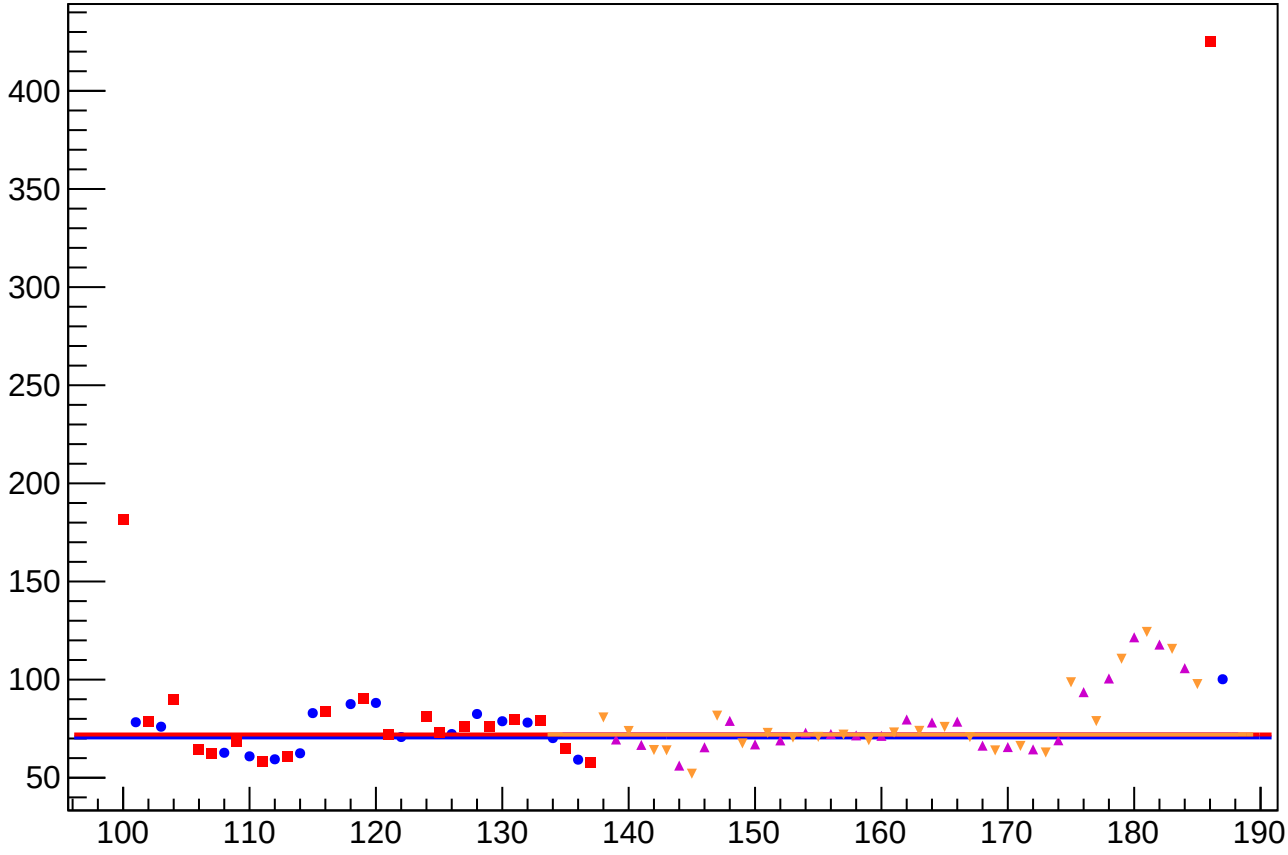
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 29.274+/-14.115 χ^2/NDF: 56.9/41

All: 23.721+/-10.095 χ^2/NDF: 86.1/84

- sign 17.906+/-14.445 χ^2/NDF: 28.8/42

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.553+/-0.019 χ^2/NDF: 302413.1/16

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 72.035+/-0.019 χ^2/NDF: 880105.2/19

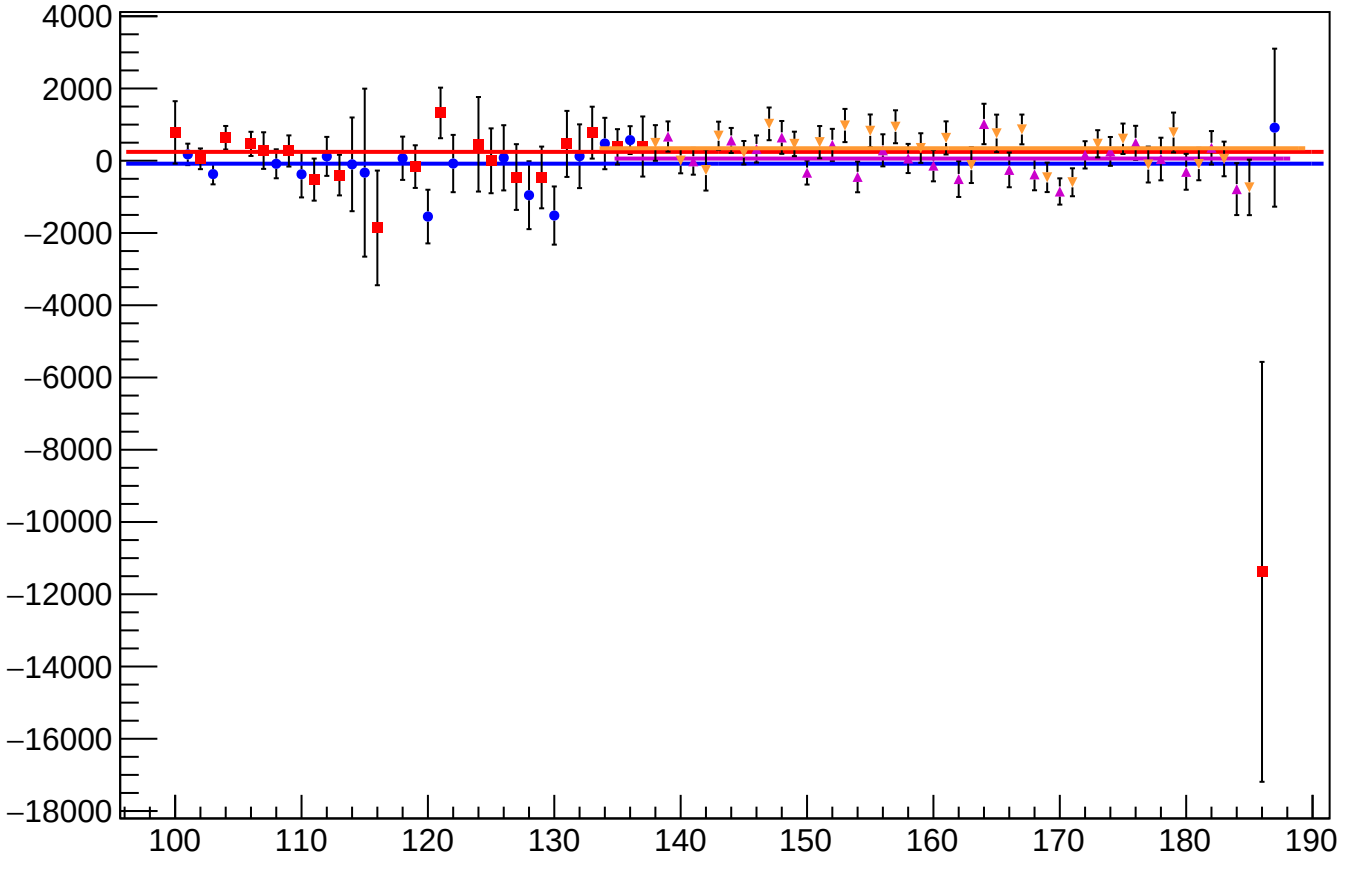
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 71.610+/-0.010 χ^2/NDF: 1576454.8/41

All: 71.837+/-0.007 χ^2/NDF: 3516483.6/84

- sign 72.075+/-0.010 χ^2/NDF: 1938968.9/42

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: -81.504+/-132.632 χ^2/NDF: 13.9/16

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 245.207+/-123.274 χ^2/NDF: 16.5/19

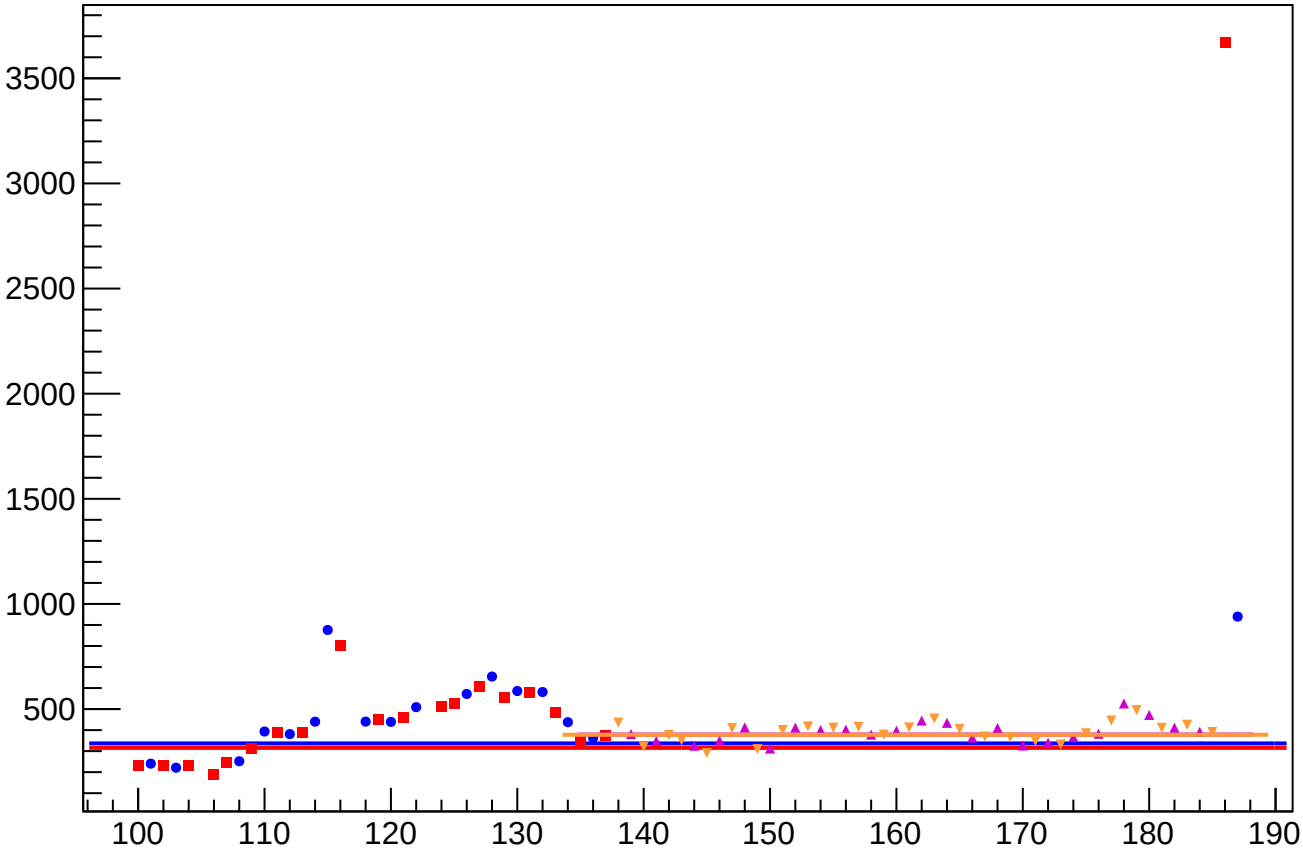
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 217.742+/-72.642 χ^2/NDF: 50.1/41

All: 170.592+/-51.272 χ^2/NDF: 94.8/84

- sign 123.785+/-72.378 χ^2/NDF: 43.8/42

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 336.657+/-0.094 χ^2/NDF: 1883236.3/16

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 315.481+/-0.087 χ^2/NDF: 2571260.0/19

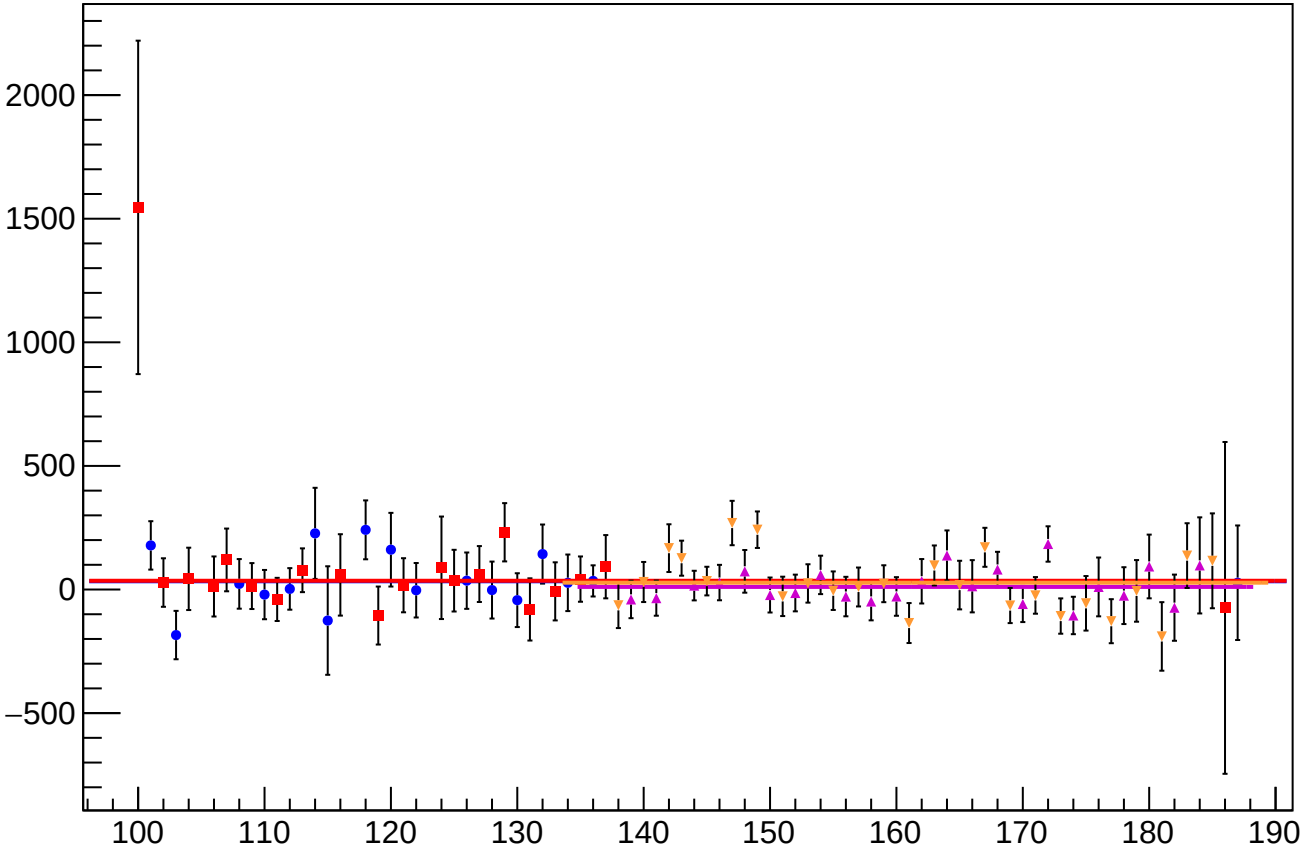
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 365.456+/-0.051 χ^2/NDF: 2654650.4/41

All: 361.222+/-0.036 χ^2/NDF: 6113658.4/84

- sign 357.018+/-0.051 χ^2/NDF: 3445465.9/42

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 33.321+/-26.245 χ^2/NDF: 14.5/16

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 35.405+/-26.515 χ^2/NDF: 12.1/19

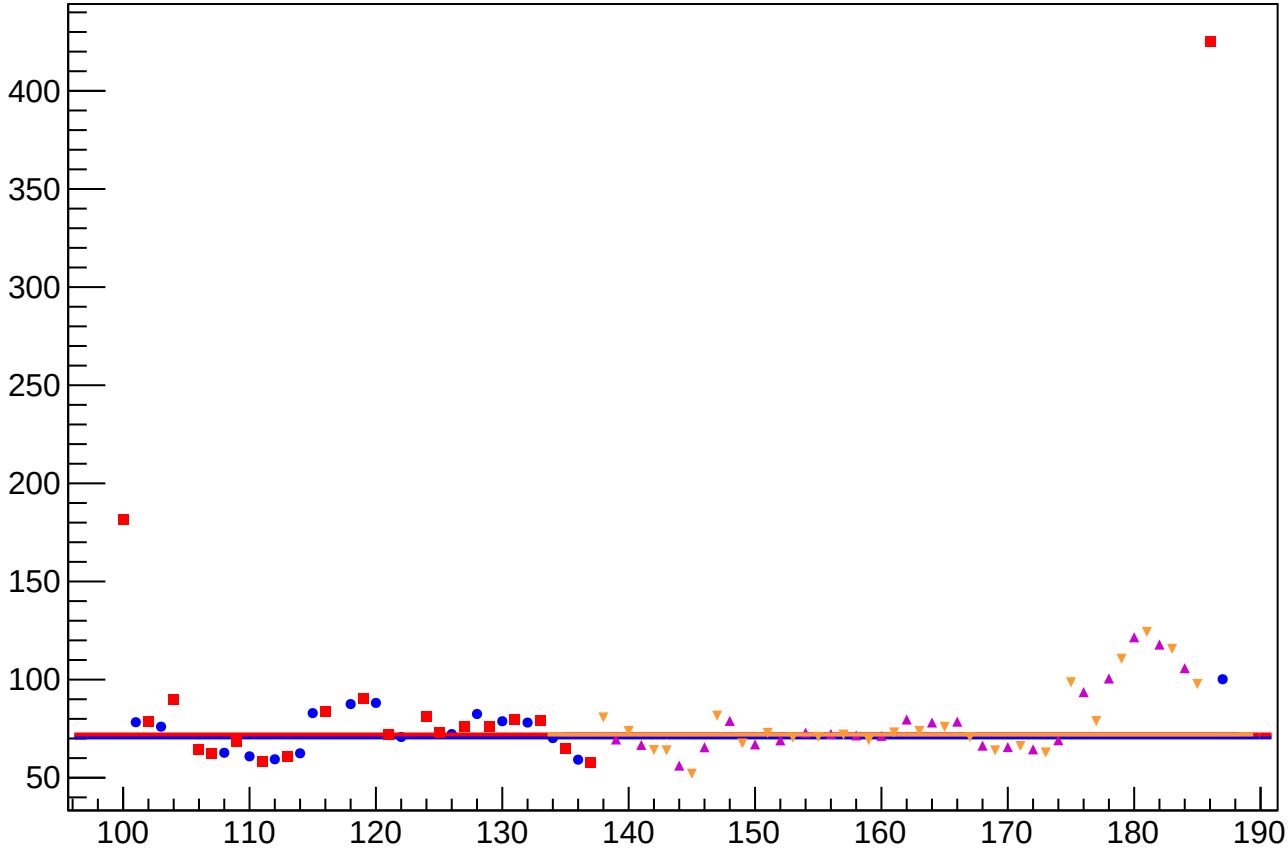
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 29.273+/-14.115 χ^2/NDF: 56.9/41

All: 23.721+/-10.095 χ^2/NDF: 86.1/84

- sign 17.906+/-14.445 χ^2/NDF: 28.8/42

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 70.553+/-0.019 χ^2/NDF: 302414.8/16

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

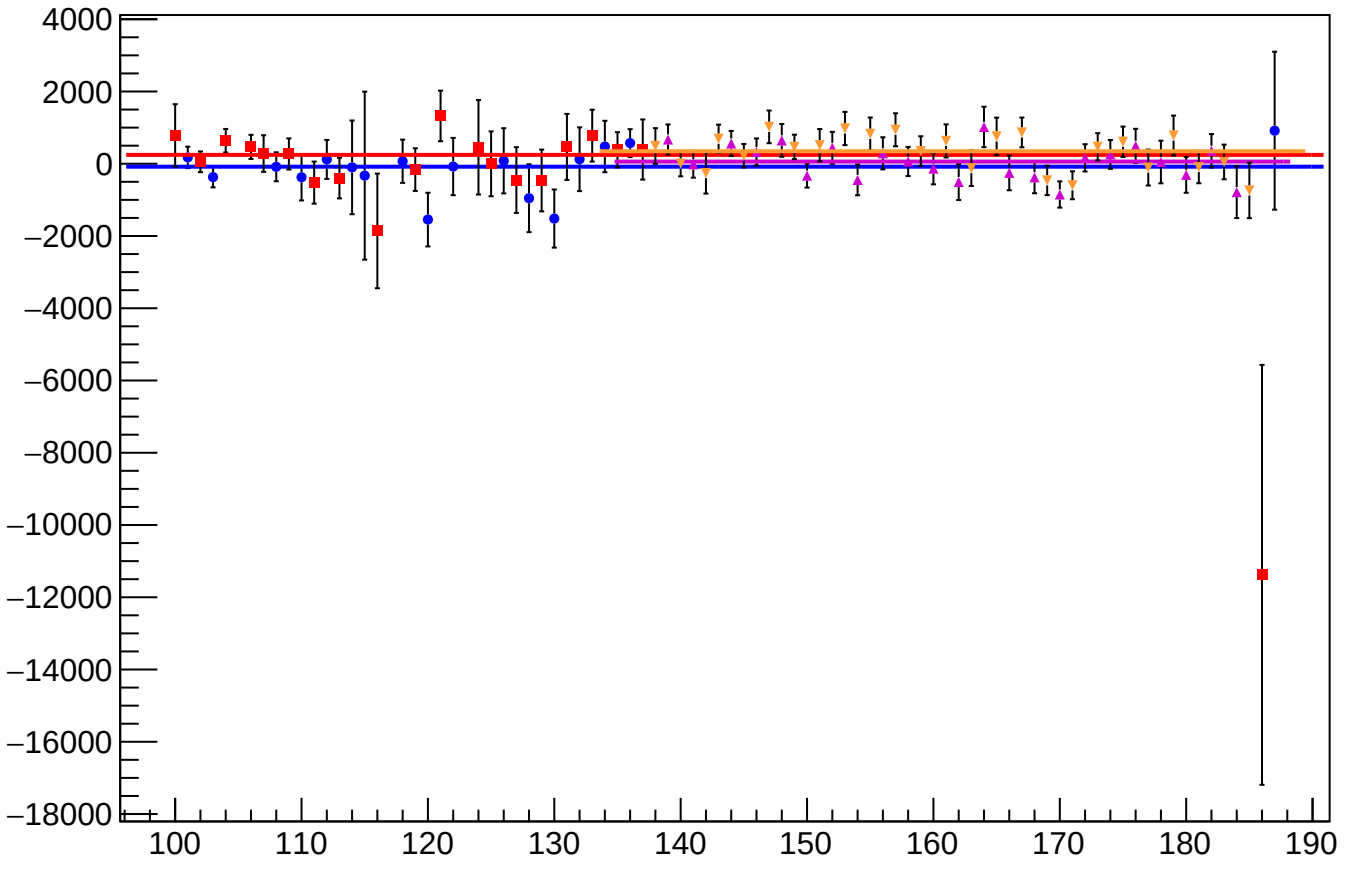
Right Out: 72.035+/-0.019 χ^2/NDF: 880109.5/19

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 71.610+/-0.010 χ^2/NDF: 1576462.9/41

All: 71.837+/-0.007 χ^2/NDF: 3516486.2/84

- sign 72.075+/-0.010 χ^2/NDF: 1938963.4/42



Right In: -81.505+/-132.632 χ^2/NDF: 13.9/16

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

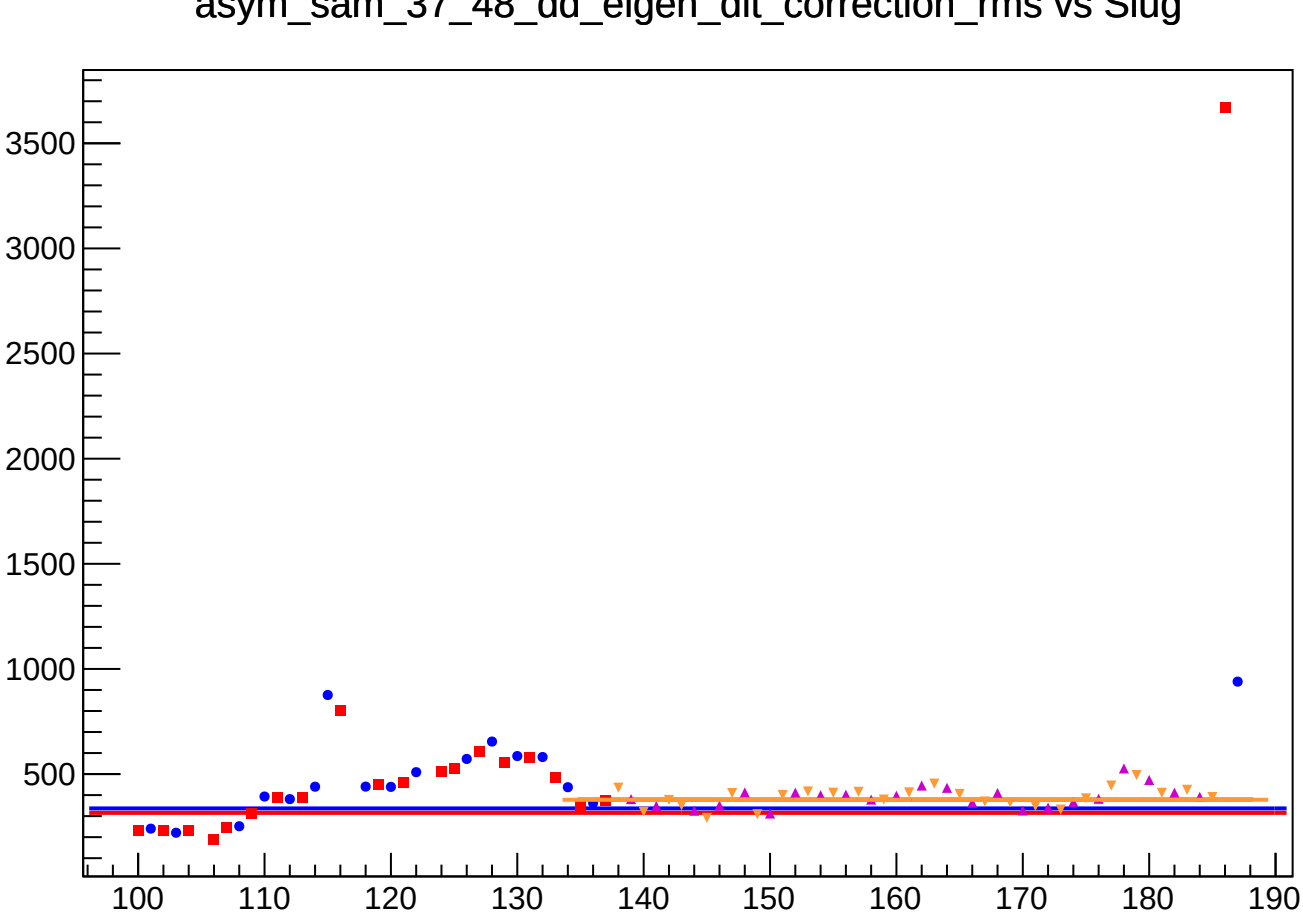
Right Out: 245.208+/-123.274 χ^2/NDF: 16.5/19

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 217.741+/-72.642 χ^2/NDF: 50.1/41

All: 170.592+/-51.272 χ^2/NDF: 94.8/84

- sign 123.784+/-72.378 χ^2/NDF: 43.8/42



Right In: 336.657+/-0.094 χ^2/NDF: 1883235.3/16

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 315.481+/-0.087 χ^2/NDF: 2571258.0/19

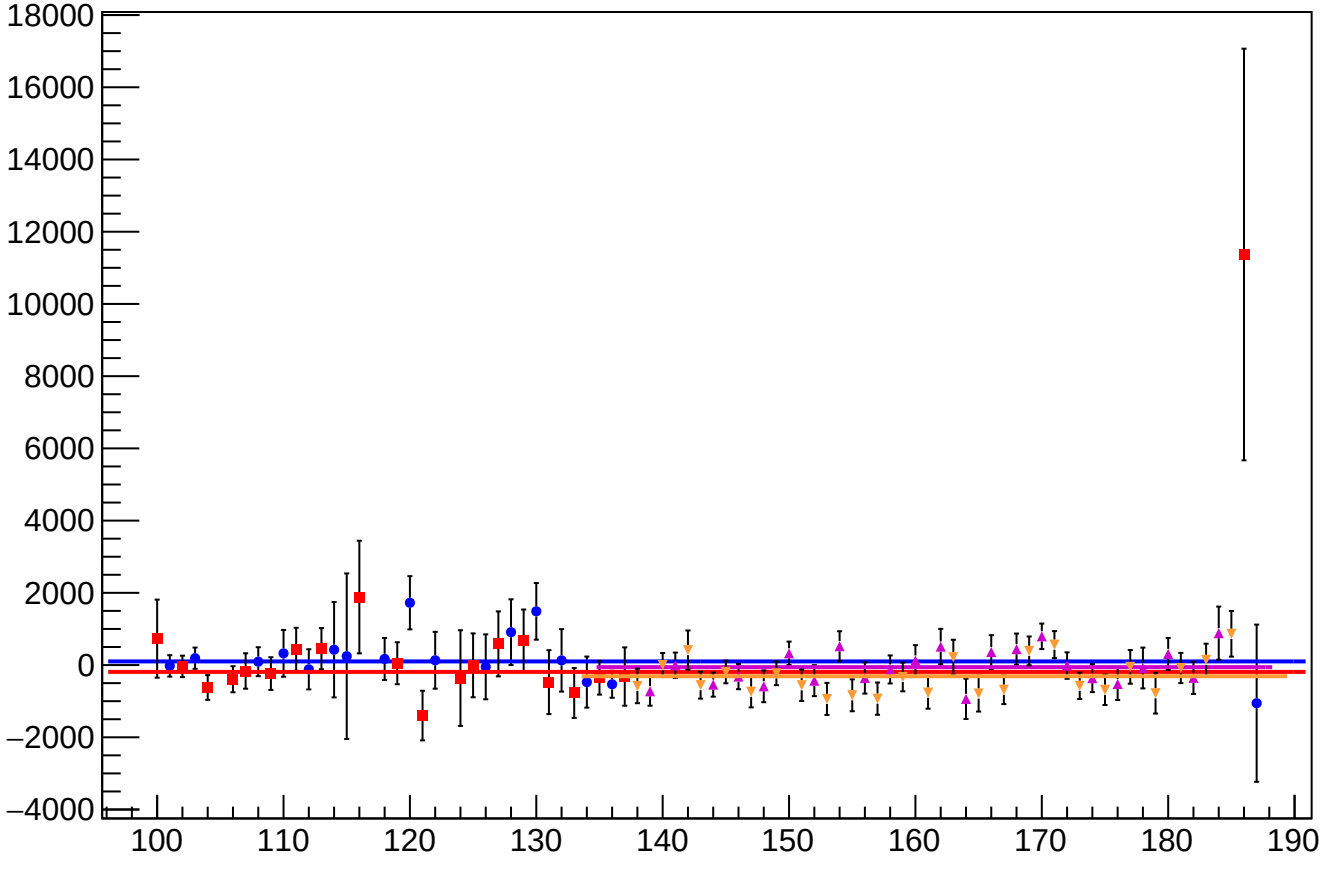
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 365.456+/-0.051 χ^2/NDF: 2654645.7/41

All: 361.221+/-0.036 χ^2/NDF: 6113644.6/84

- sign 357.018+/-0.051 χ^2/NDF: 3445456.8/42

asym_sam_37_48_dd_mean vs Slug



Right In: 101.065+/-132.798 χ^2/NDF: 13.2/16

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -189.046+/-126.168 χ^2/NDF: 17.3/19

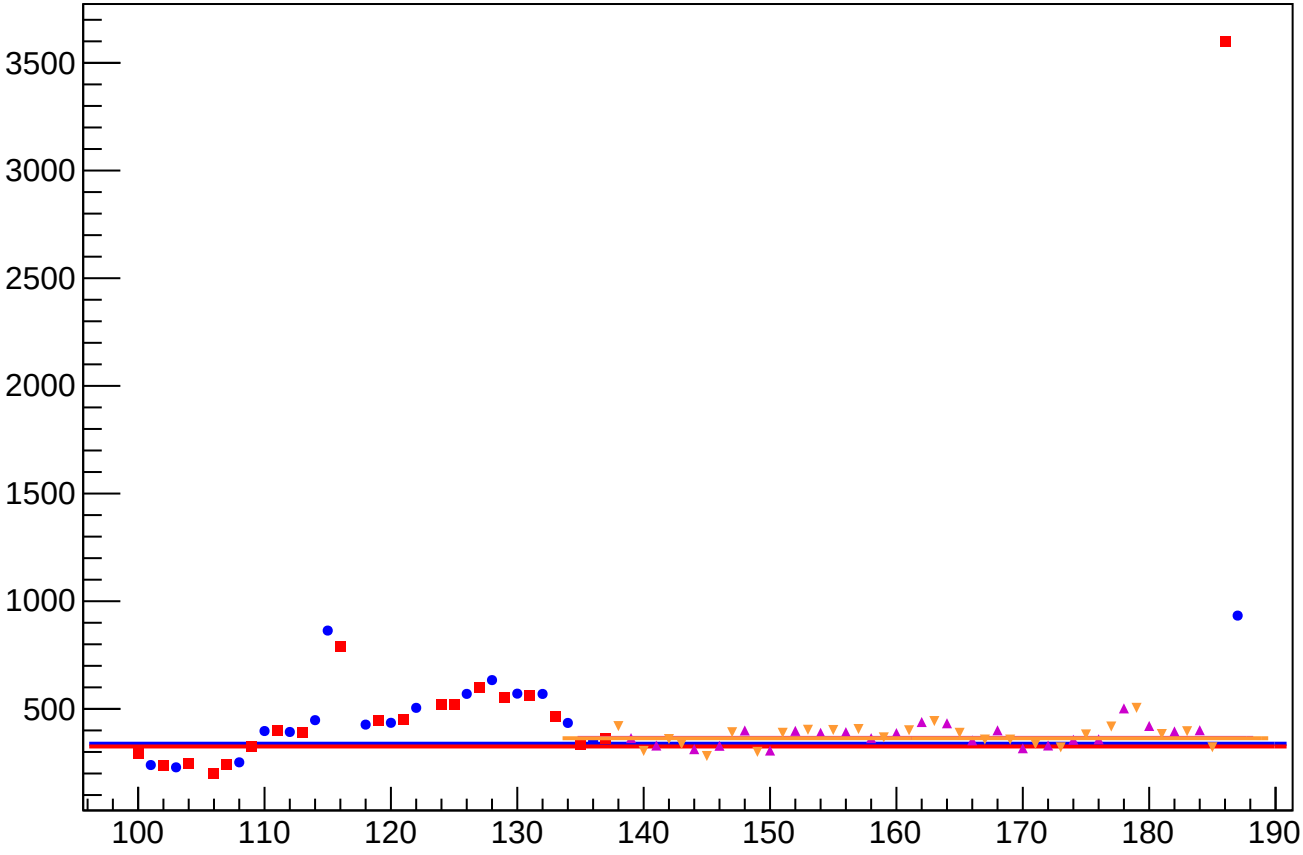
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -192.639+/-70.812 χ^2/NDF: 50.0/41

All: -146.271+/-50.204 χ^2/NDF: 96.9/84

- sign -99.409+/-71.188 χ^2/NDF: 46.0/42

asym_sam_37_48_dd_rms vs Slug



Right In: 338.316+/-0.094 χ^2/NDF: 1769015.0/16

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

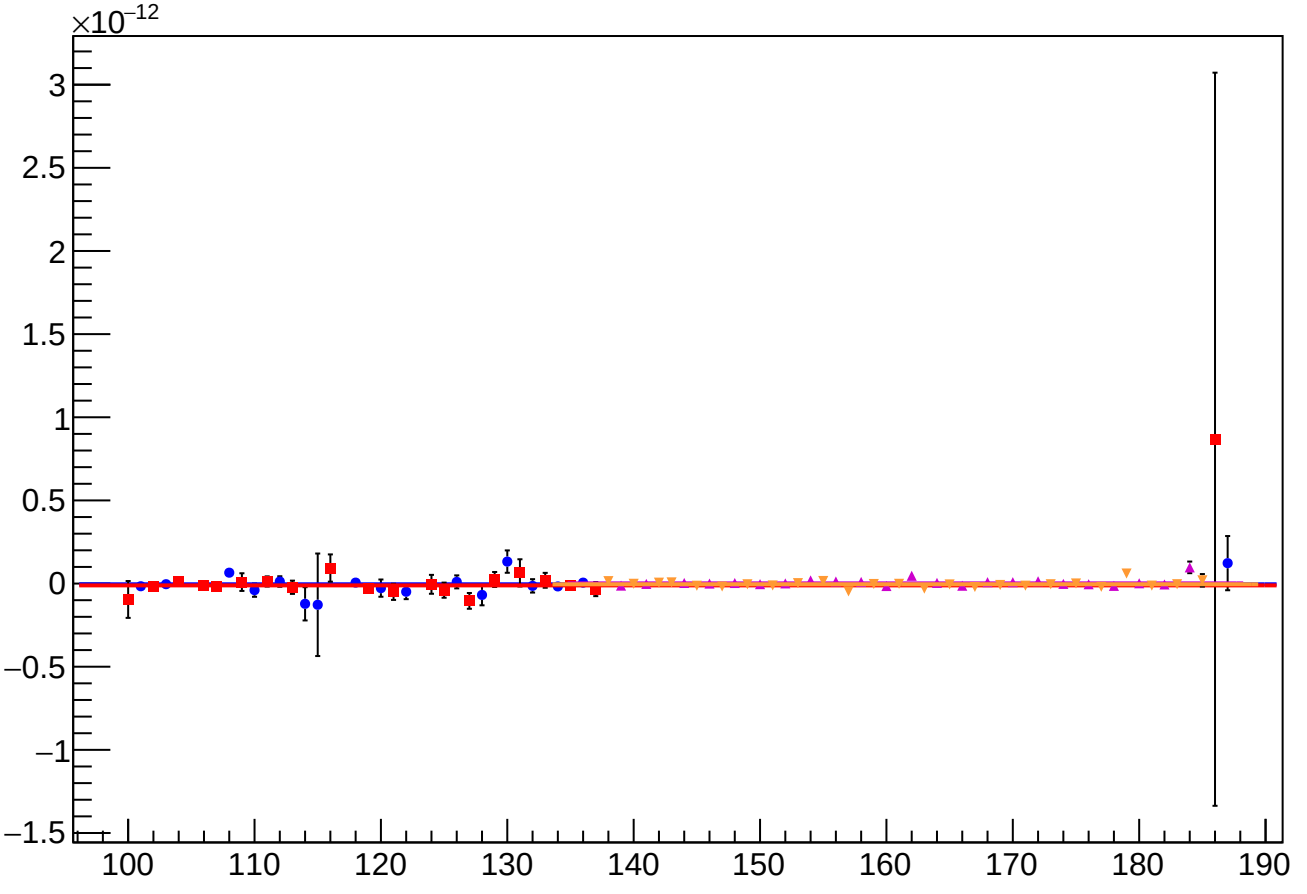
Right Out: 325.490+/-0.089 χ^2/NDF: 2325476.9/19

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 356.492+/-0.050 χ^2/NDF: 2490616.5/41

All: 354.578+/-0.035 χ^2/NDF: 5464421.5/84

- sign 352.642+/-0.050 χ^2/NDF: 2970864.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

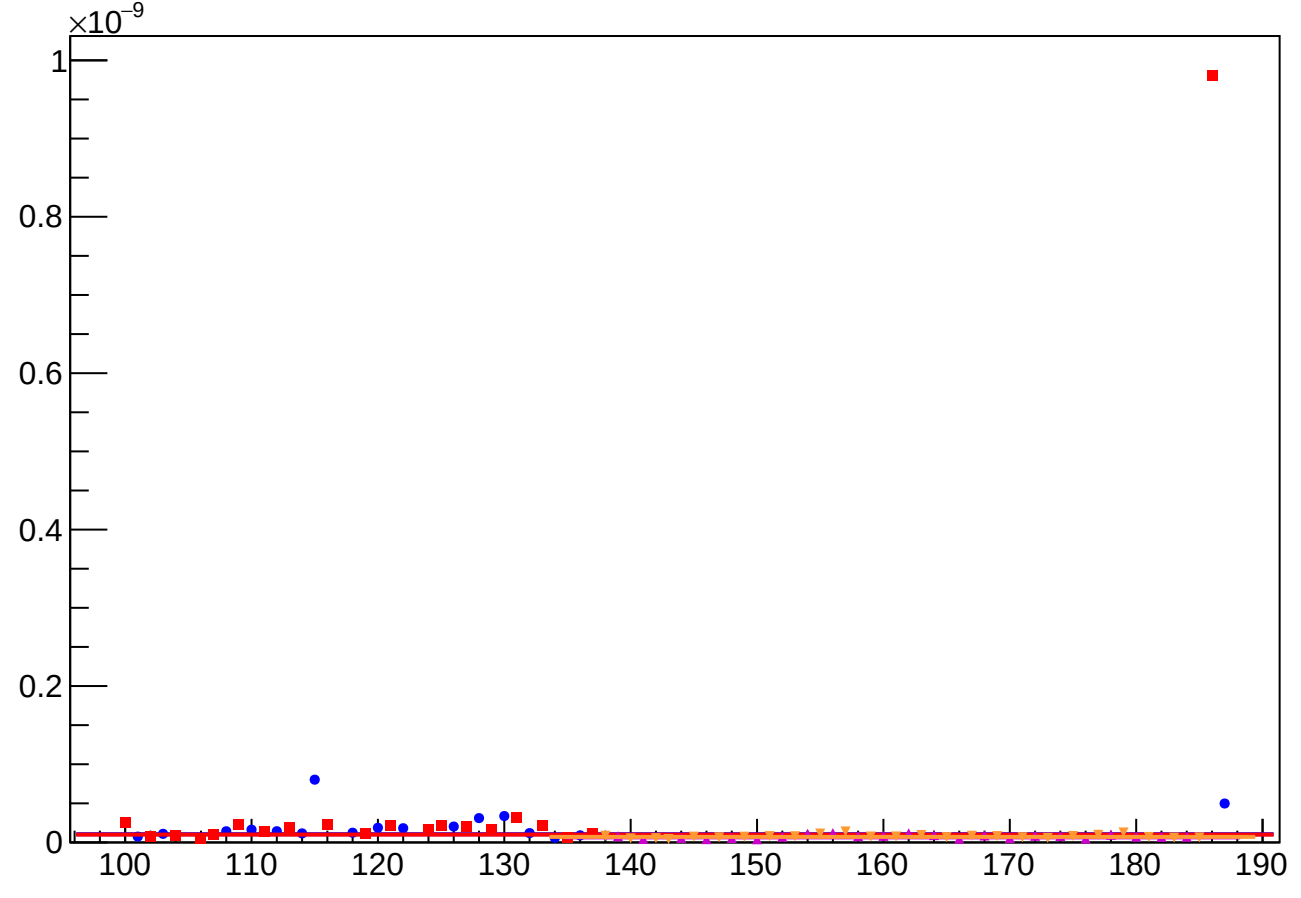
Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/19

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/41

All: -0.000+/-0.000 χ^2/NDF: 77.5/84

- sign -0.000+/-0.000 χ^2/NDF: 37.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 1300105.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1803526.2/19

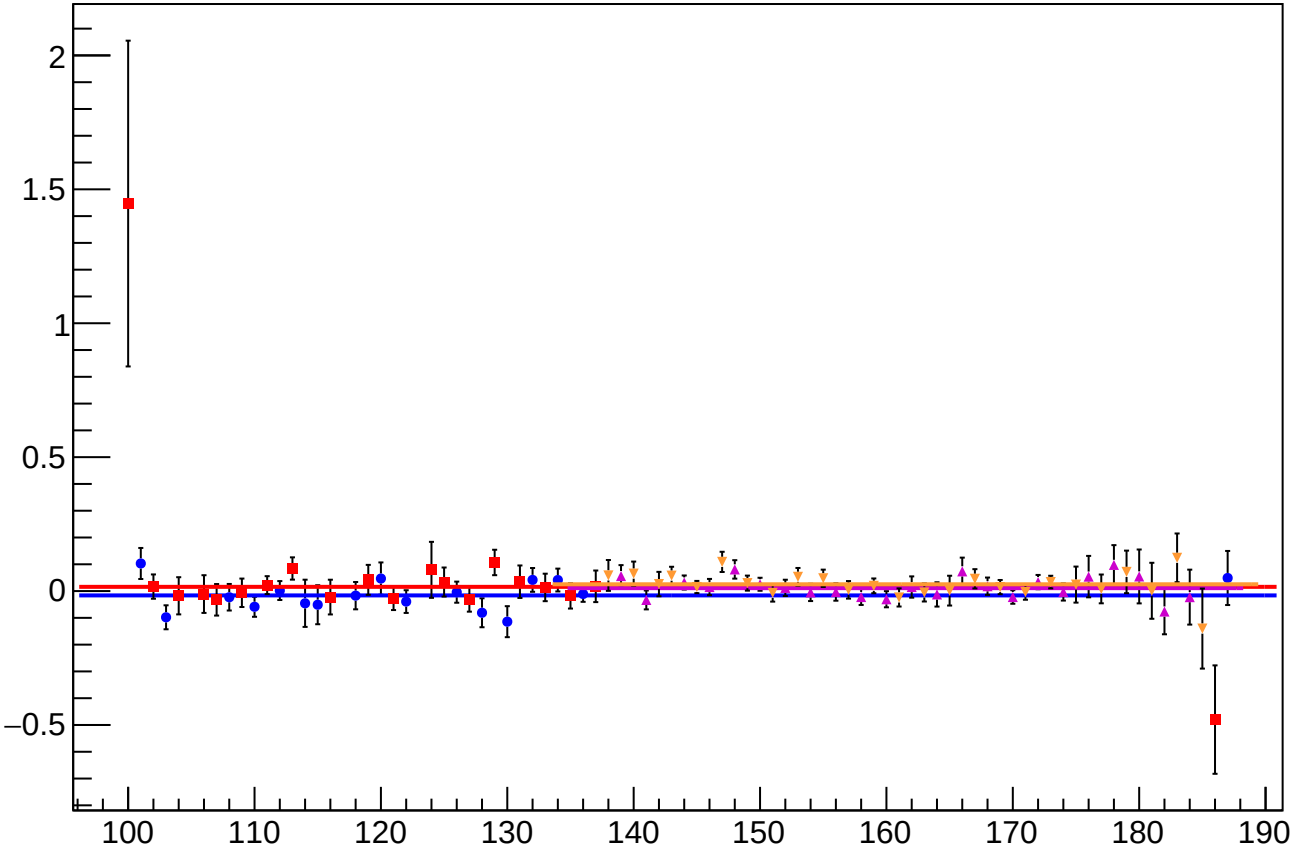
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 2647849.3/41

All: 0.000+/-0.000 χ^2/NDF: 6267837.8/84

- sign 0.000+/-0.000 χ^2/NDF: 3552324.5/42

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

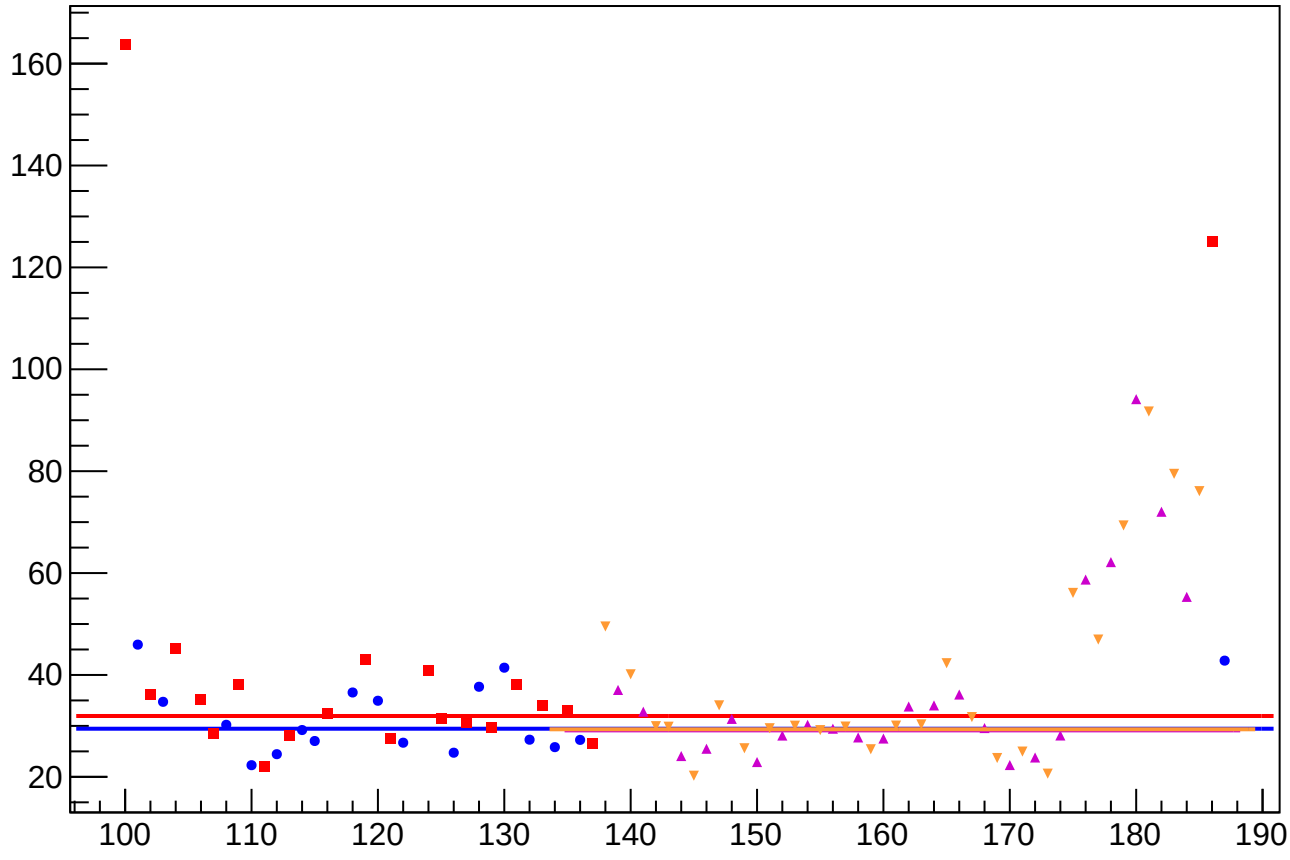
Right Out: 0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.3/41

All: 0.013+/-0.004 χ^2/NDF: 88.3/84

- sign 0.012+/-0.006 χ^2/NDF: 41.9/42



Right In: 29.447+/-0.008 χ^2/NDF: 596129.1/16

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

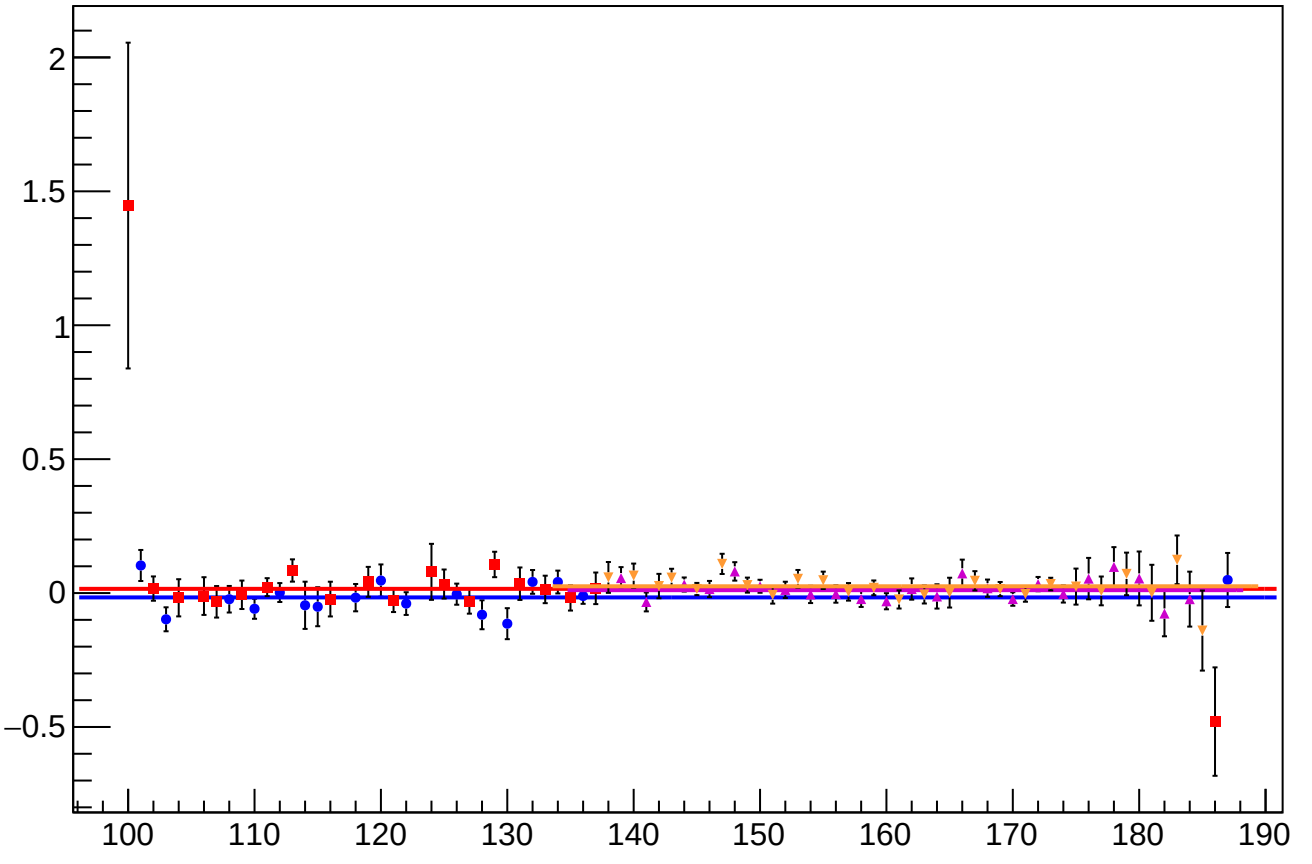
Right Out: 31.946+/-0.009 χ^2/NDF: 996335.9/19

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.367+/-0.004 χ^2/NDF: 4471045.3/41

All: 29.615+/-0.003 χ^2/NDF: 8393366.1/84

- sign 29.879+/-0.004 χ^2/NDF: 3915397.0/42



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

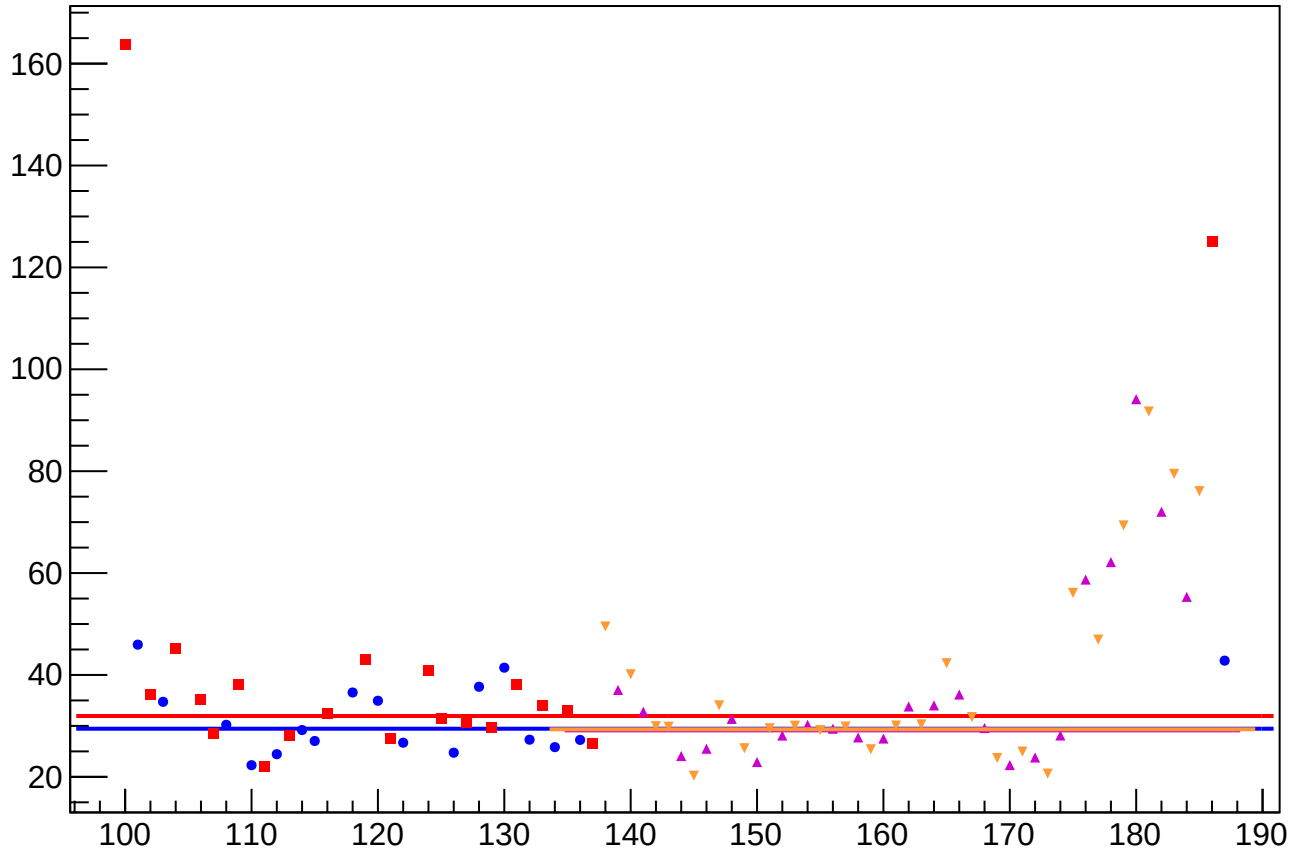
Right Out: 0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.3/41

All: 0.013+/-0.004 χ^2/NDF: 88.3/84

- sign 0.012+/-0.006 χ^2/NDF: 41.9/42



Right In: 29.447+/-0.008 χ^2/NDF: 596129.1/16

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

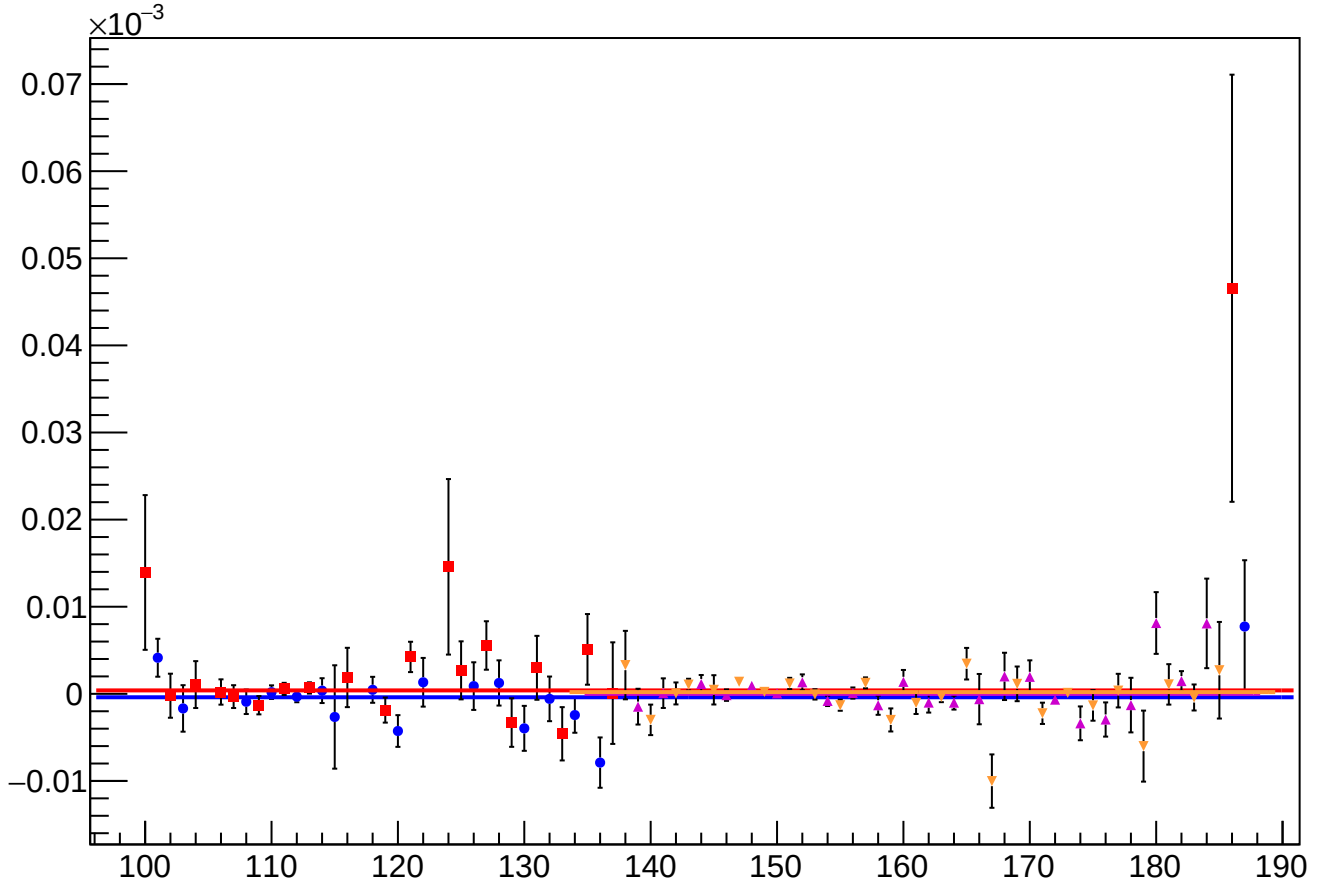
Right Out: 31.946+/-0.009 χ^2/NDF: 996335.9/19

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 29.367+/-0.004 χ^2/NDF: 4471045.3/41

All: 29.615+/-0.003 χ^2/NDF: 8393366.1/84

- sign 29.879+/-0.004 χ^2/NDF: 3915397.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/19

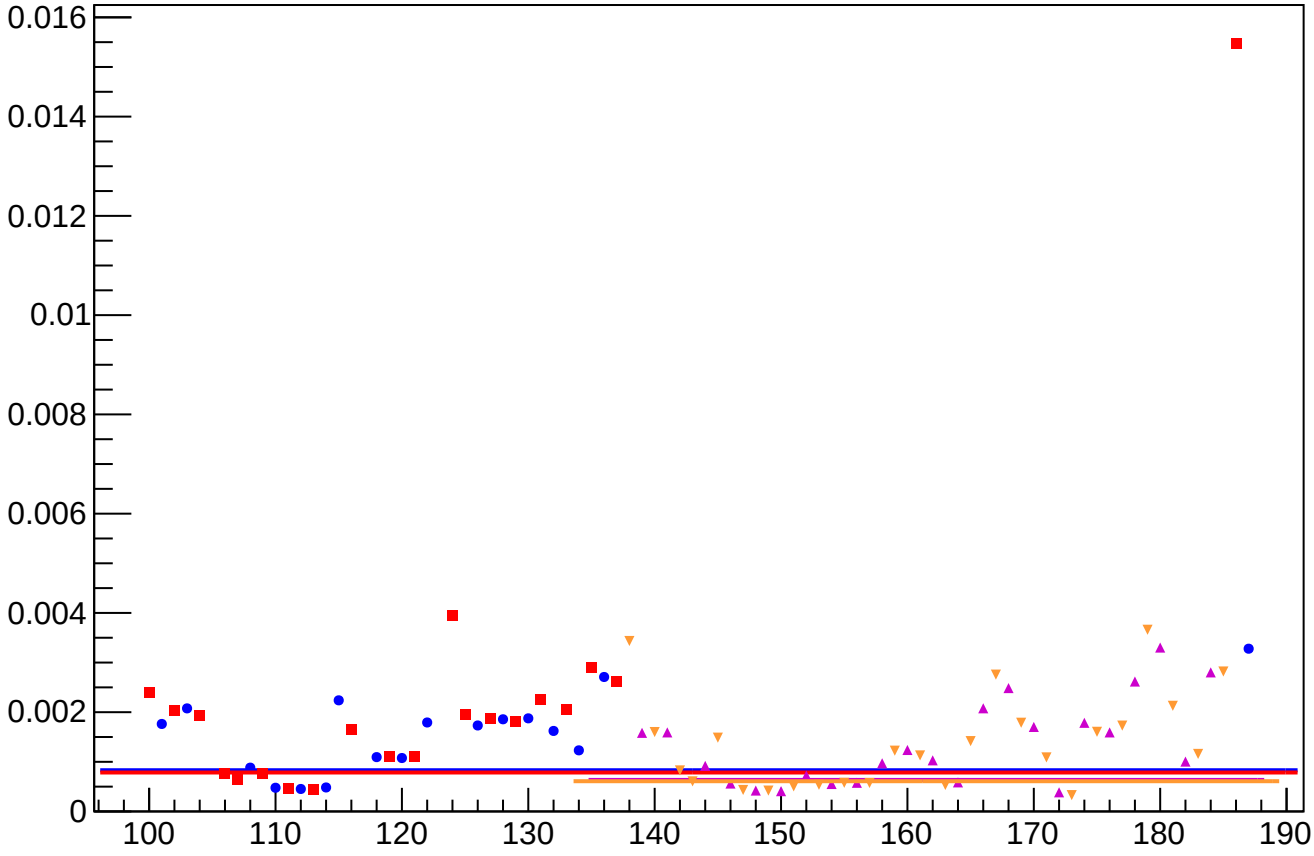
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.1/41

All: 0.000+/-0.000 χ^2/NDF: 139.9/84

- sign 0.000+/-0.000 χ^2/NDF: 62.8/42

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4656040.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

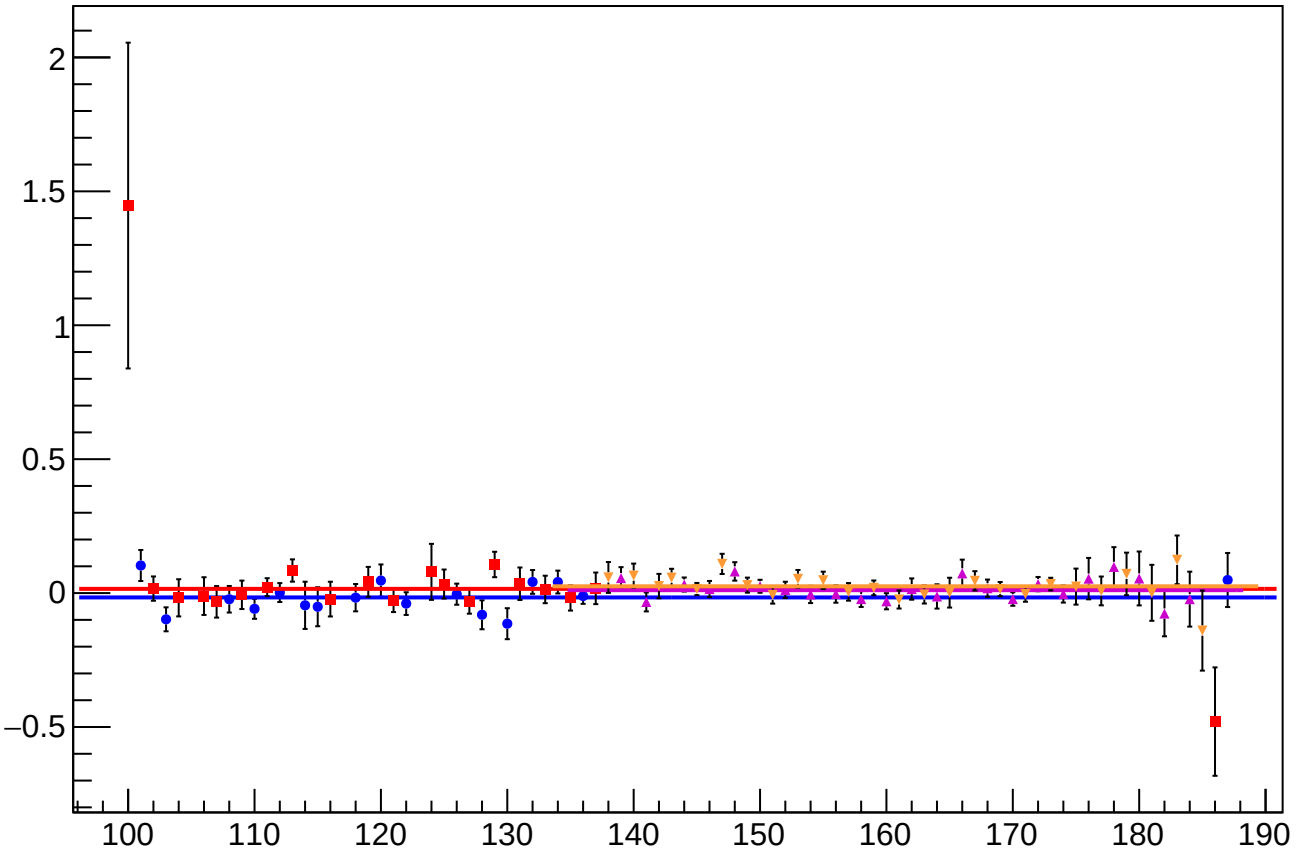
Right Out: 0.001+/-0.000 χ^2/NDF: 5356412.9/19

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 16211828.2/41

All: 0.001+/-0.000 χ^2/NDF: 31250982.7/84

- sign 0.001+/-0.000 χ^2/NDF: 15023290.7/42



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

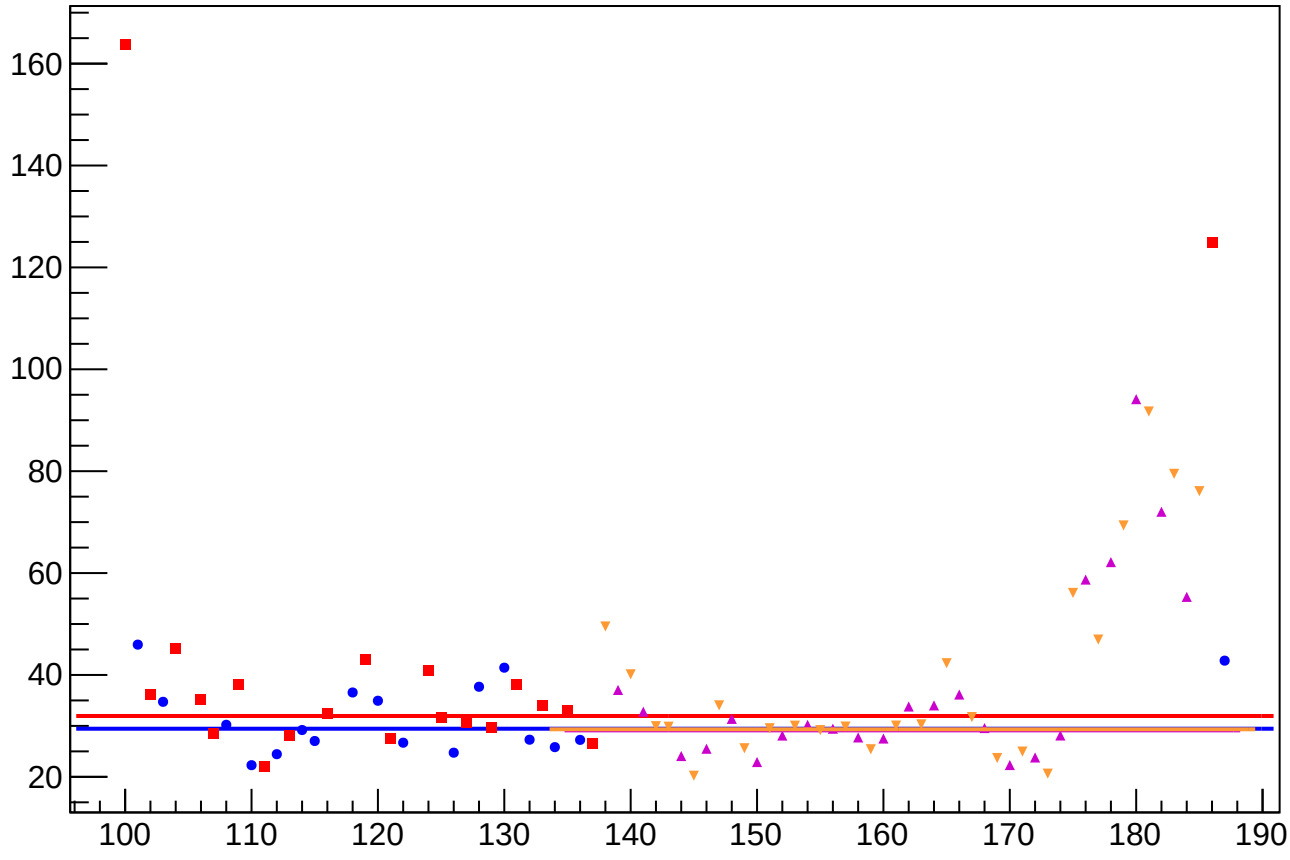
Right Out: 0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.3/41

All: 0.013+/-0.004 χ^2/NDF: 88.3/84

- sign 0.012+/-0.006 χ^2/NDF: 41.9/42



Right In: 29.447+/-0.008 χ^2/NDF: 596120.5/16

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 31.946+/-0.009 χ^2/NDF: 996305.2/19

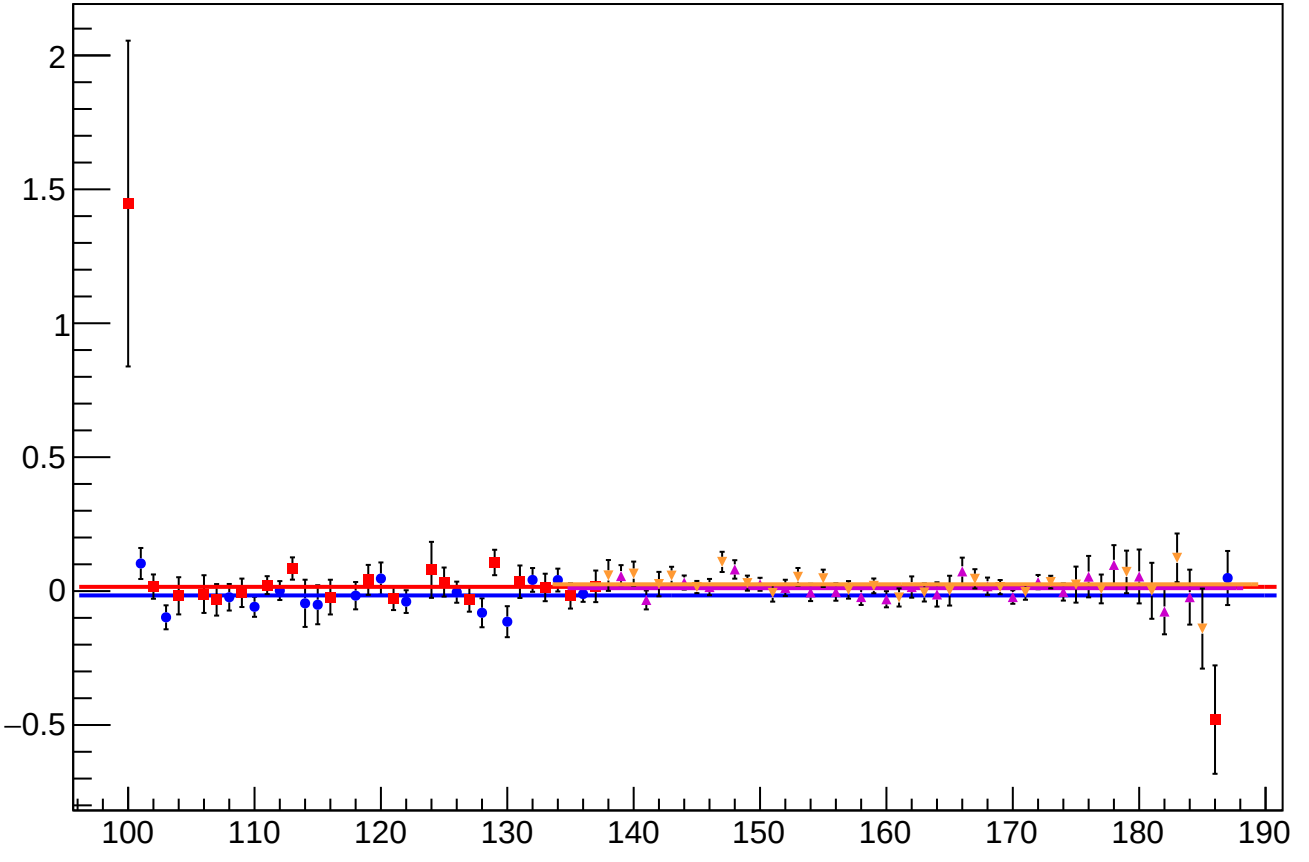
Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.367+/-0.004 χ^2/NDF: 4471102.1/41

All: 29.615+/-0.003 χ^2/NDF: 8393382.1/84

- sign 29.879+/-0.004 χ^2/NDF: 3915354.9/42

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

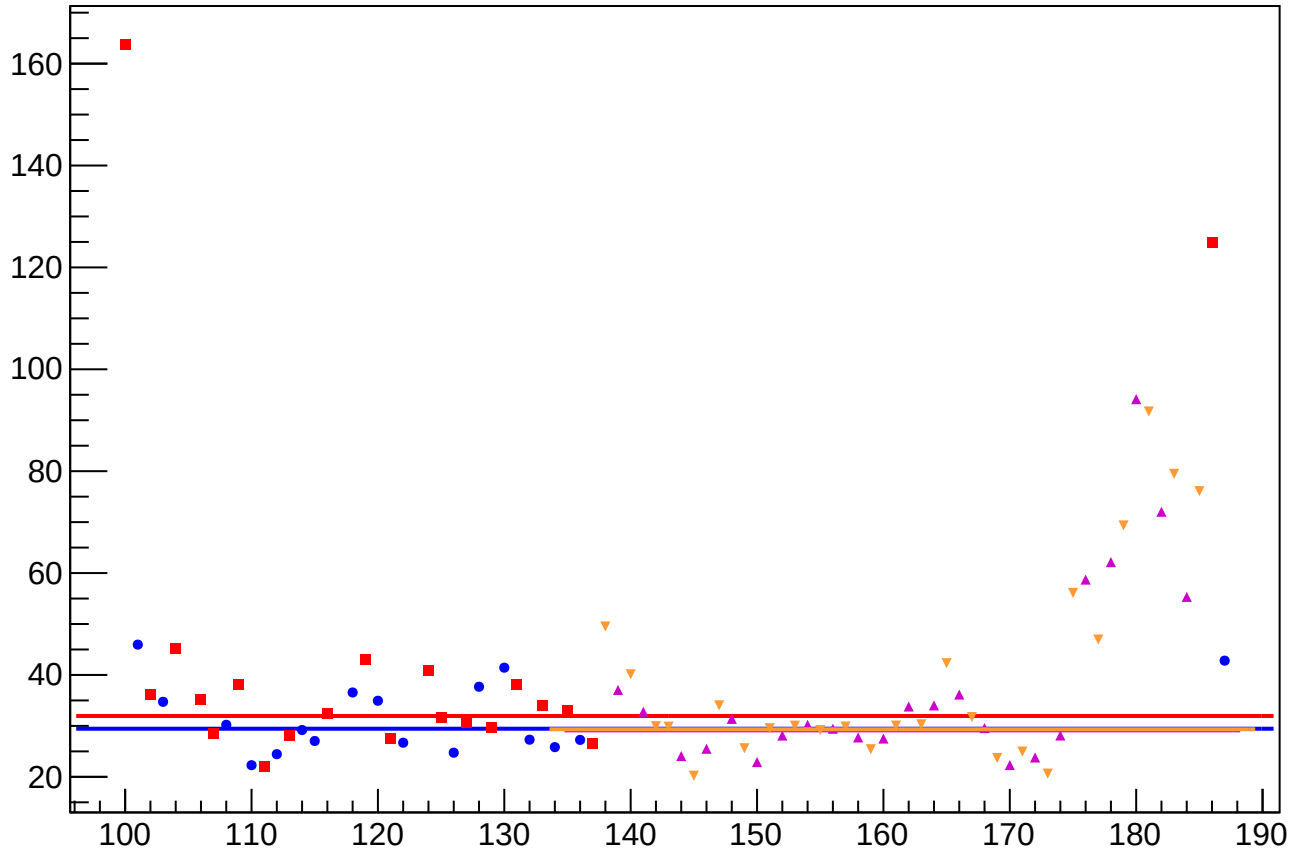
Right Out: 0.016+/-0.012 χ^2/NDF: 22.8/19

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.013+/-0.006 χ^2/NDF: 46.3/41

All: 0.013+/-0.004 χ^2/NDF: 88.3/84

- sign 0.012+/-0.006 χ^2/NDF: 41.9/42



Right In: 29.447+/-0.008 χ^2/NDF: 596120.5/16

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

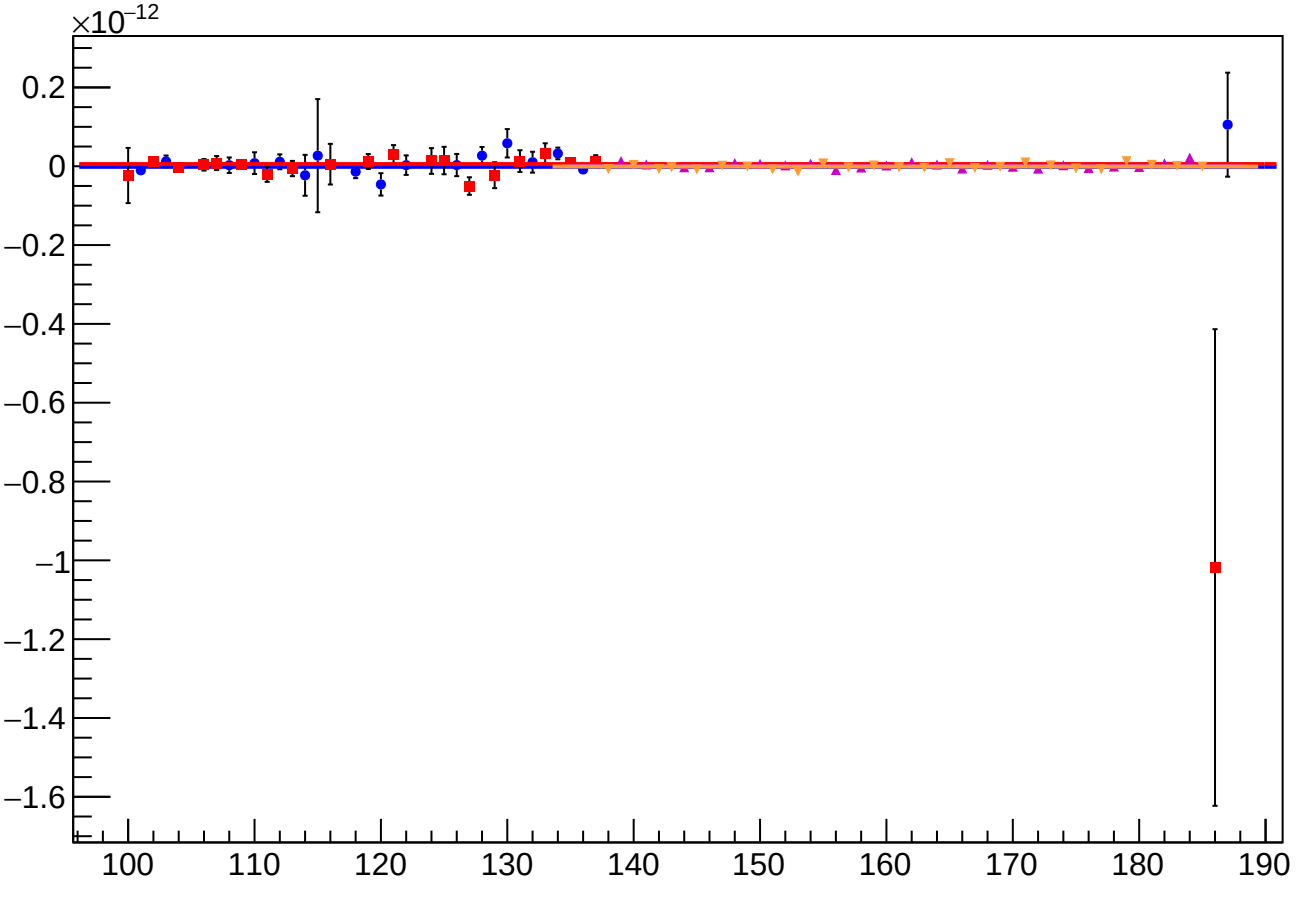
Right Out: 31.946+/-0.009 χ^2/NDF: 996305.2/19

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 29.367+/-0.004 χ^2/NDF: 4471102.1/41

All: 29.615+/-0.003 χ^2/NDF: 8393382.1/84

- sign 29.879+/-0.004 χ^2/NDF: 3915354.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

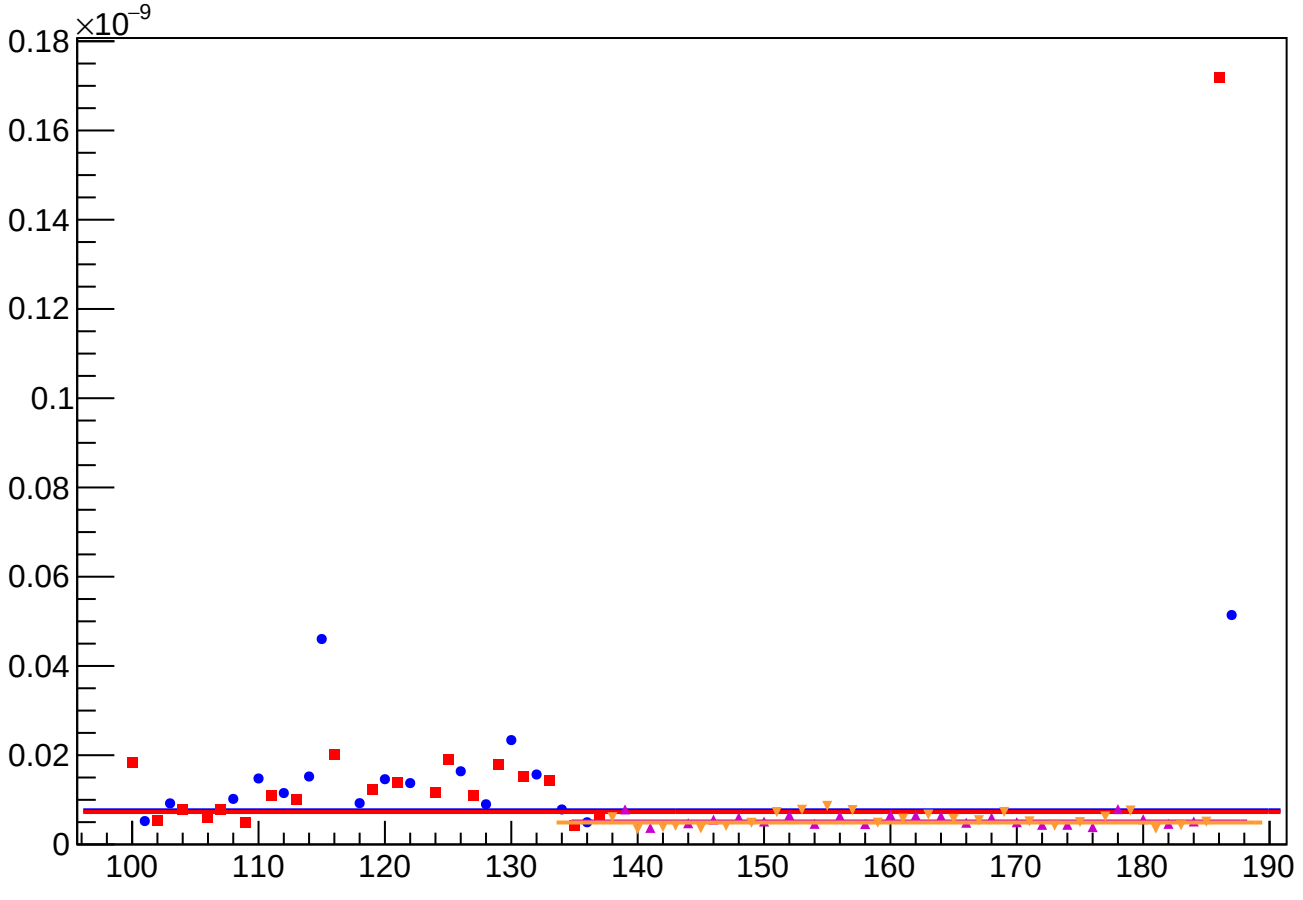
Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/19

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.7/41

All: 0.000+/-0.000 χ^2/NDF: 68.8/84

- sign 0.000+/-0.000 χ^2/NDF: 33.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 2241457.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2146395.5/19

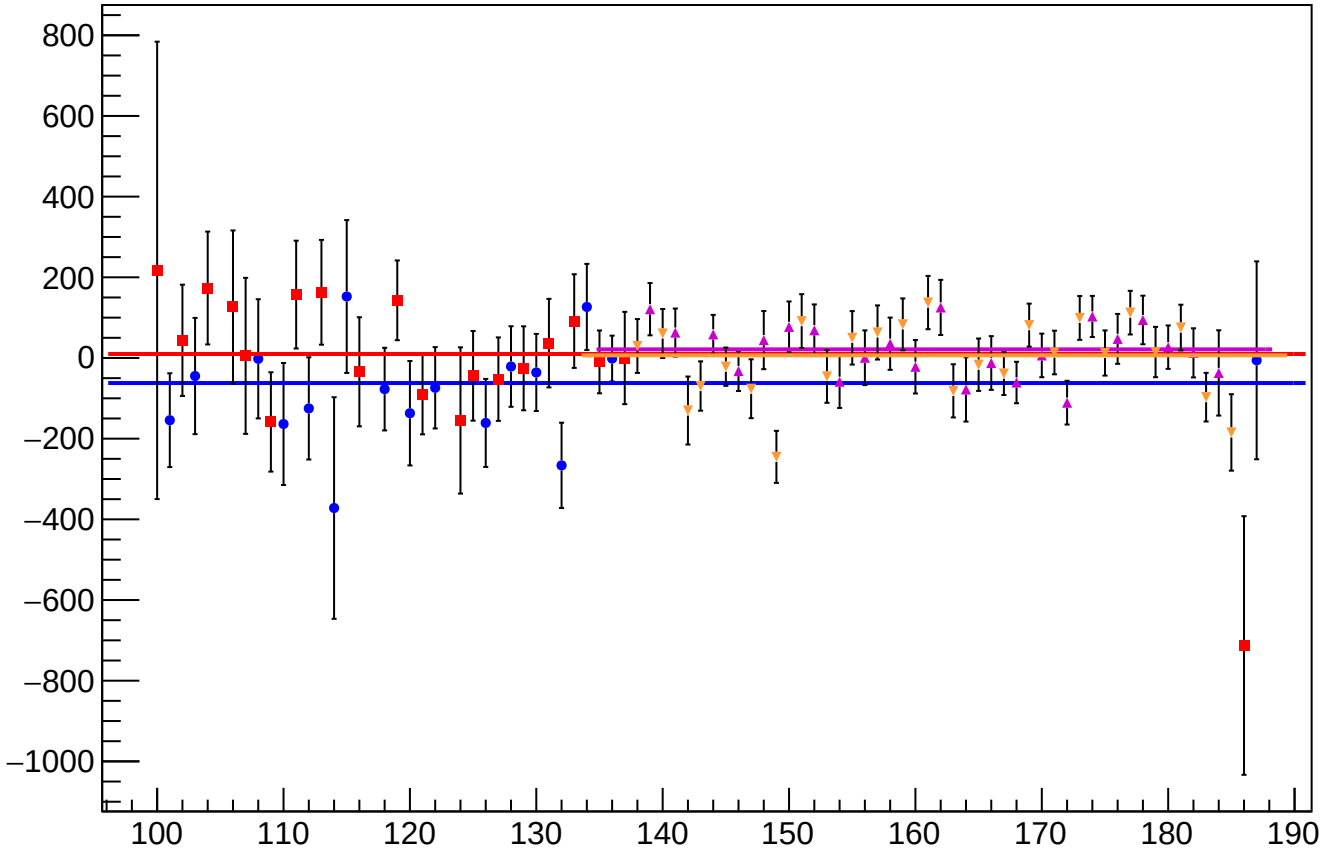
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5016603.1/41

All: 0.000+/-0.000 χ^2/NDF: 8742461.0/84

- sign 0.000+/-0.000 χ^2/NDF: 3703153.1/42

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -62.105+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 9.865+/-27.666 χ^2/NDF: 16.6/19

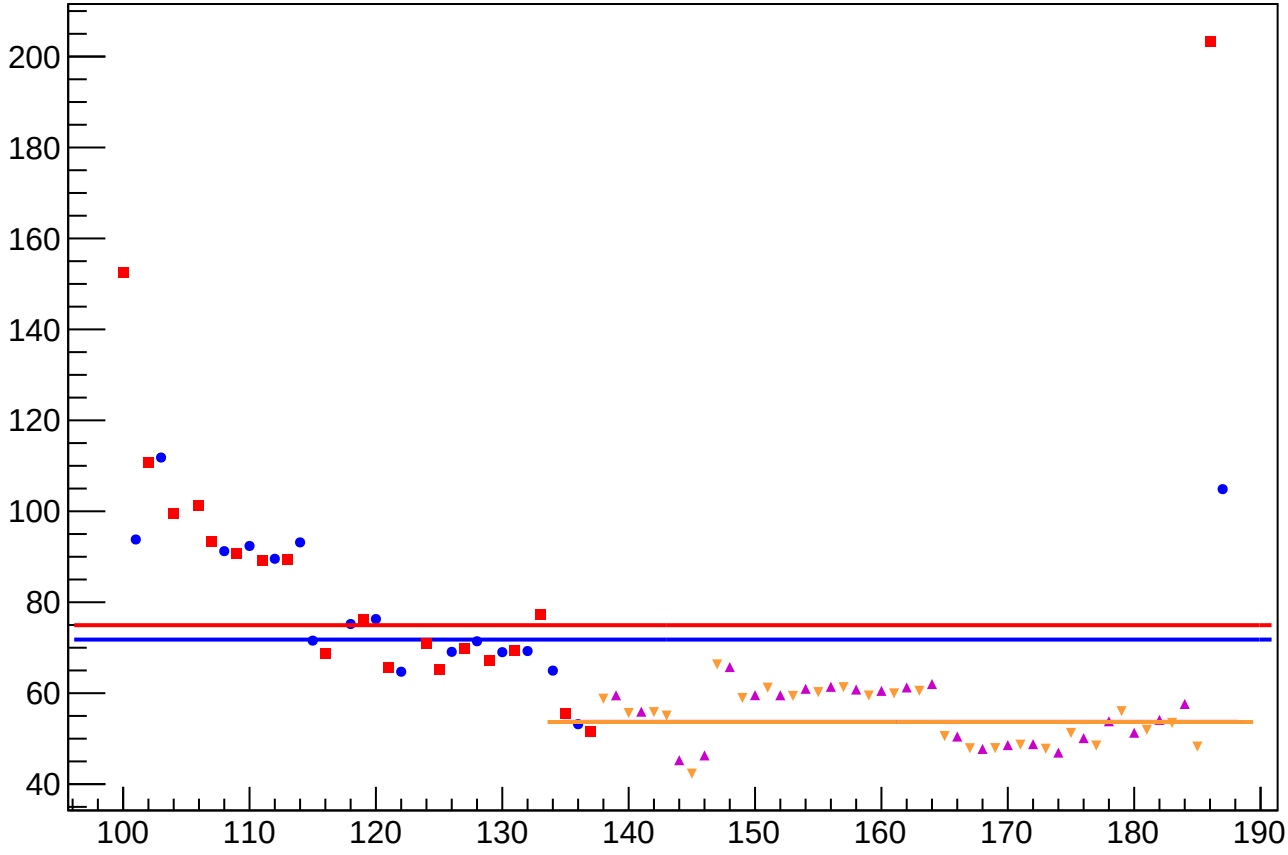
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -5.217+/-11.187 χ^2/NDF: 69.5/41

All: 6.724+/-8.020 χ^2/NDF: 113.9/84

- sign 19.352+/-11.504 χ^2/NDF: 42.1/42

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 71.790+/-0.019 χ^2/NDF: 627728.9/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 74.957+/-0.020 χ^2/NDF: 961255.3/19

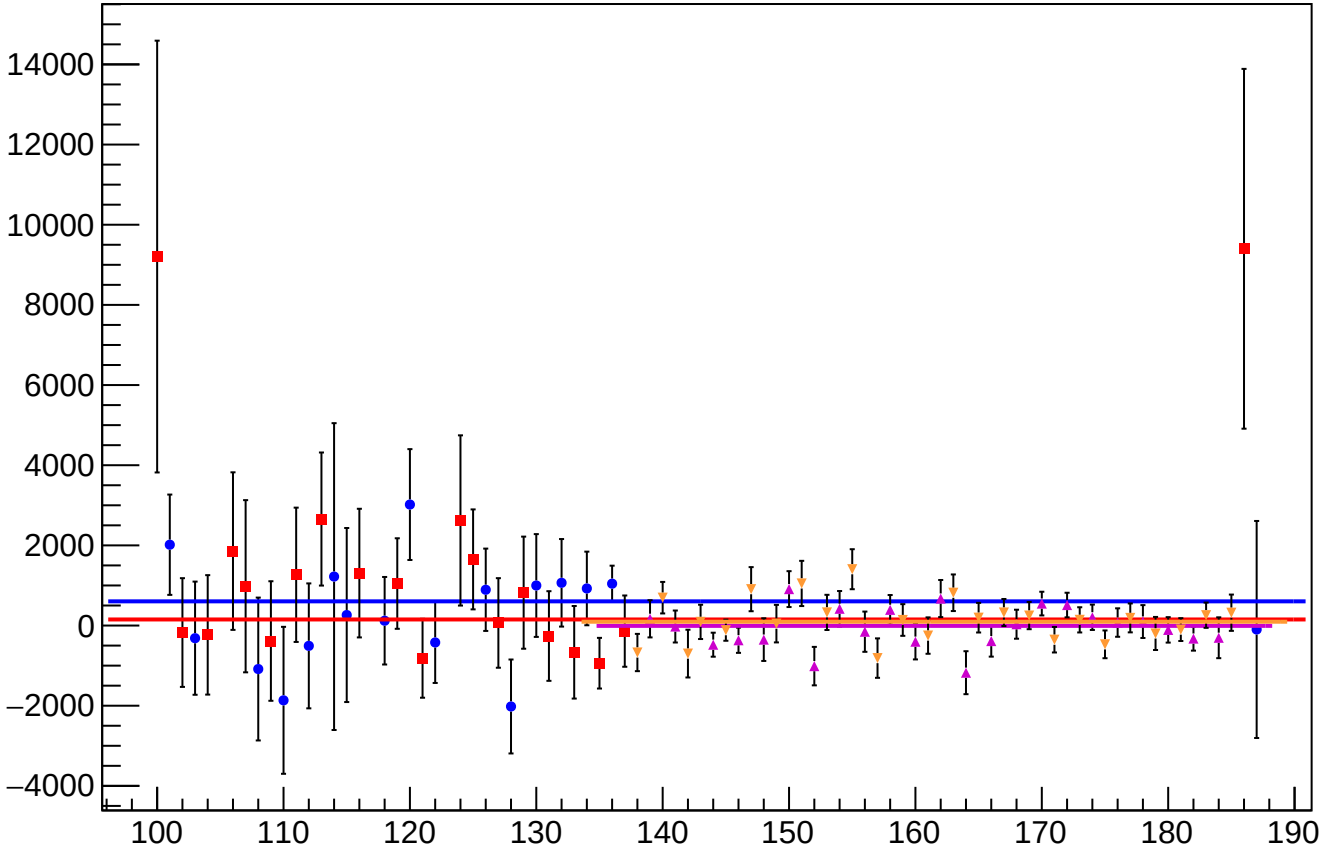
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.766+/-0.008 χ^2/NDF: 1844407.5/41

All: 57.060+/-0.006 χ^2/NDF: 4256838.3/84

- sign 57.371+/-0.008 χ^2/NDF: 2409592.4/42

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 603.743+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

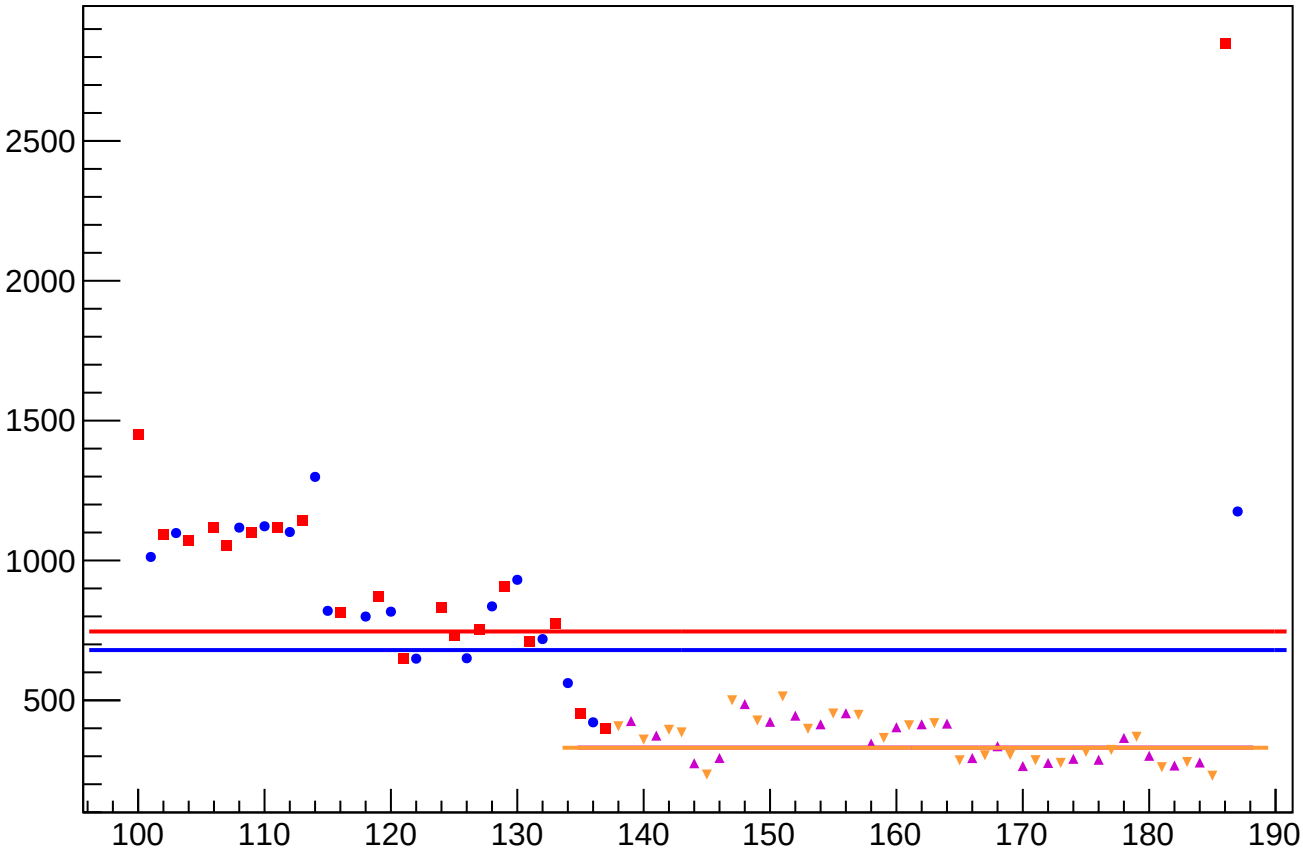
Right Out: 151.741+/-283.743 χ^2/NDF: 19.8/19

Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 135.014+/-74.072 χ^2/NDF: 52.3/41

All: 71.201+/-53.119 χ^2/NDF: 106.3/84

- sign 3.638+/-76.217 χ^2/NDF: 52.4/42



Right In: 679.643+/-0.188 χ^2/NDF: 1685255.8/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 746.108+/-0.201 χ^2/NDF: 1957199.7/19

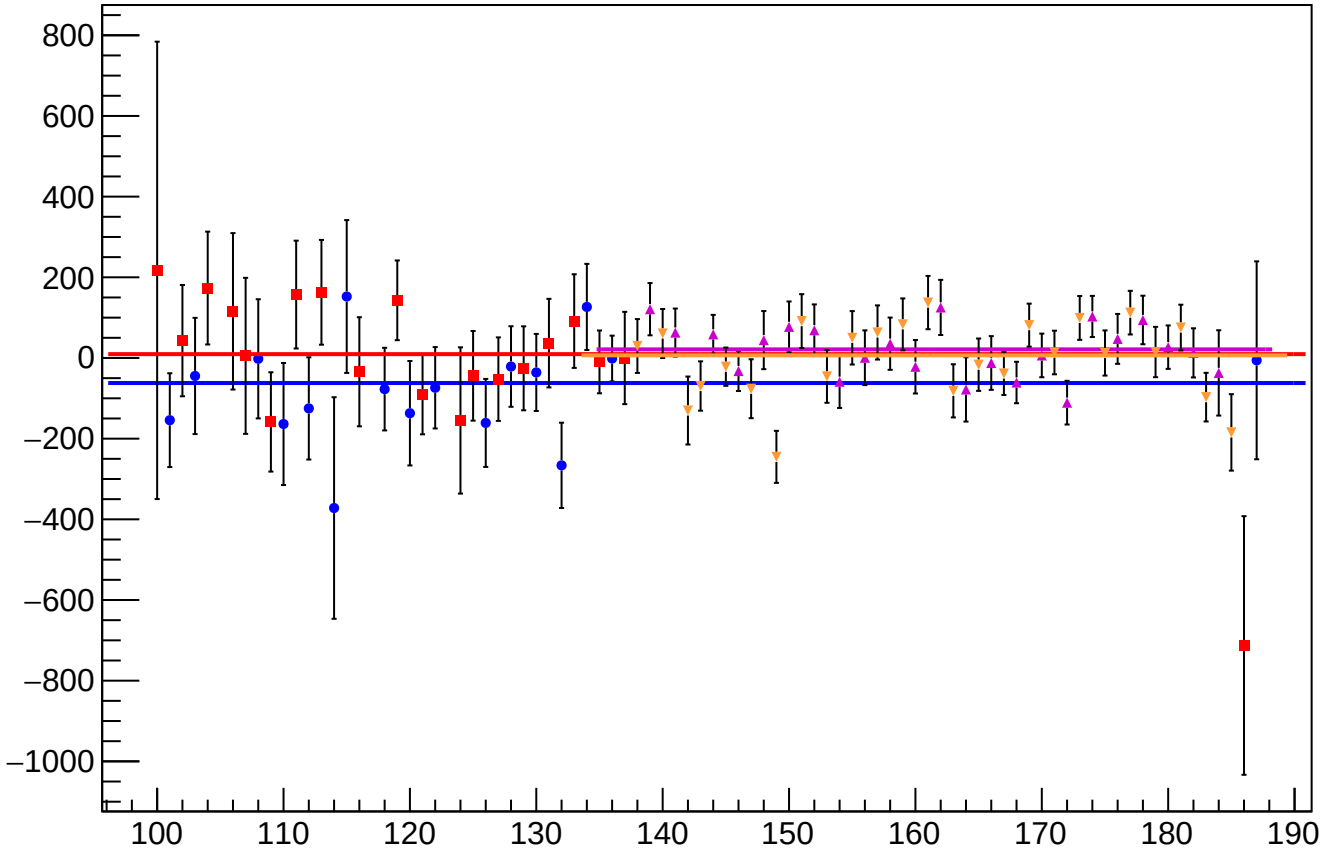
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 357.585+/-0.052 χ^2/NDF: 6628552.0/41

All: 359.247+/-0.038 χ^2/NDF: 13884032.6/84

- sign 361.006+/-0.054 χ^2/NDF: 7253408.7/42

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -62.096+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 9.506+/-27.679 χ^2/NDF: 16.5/19

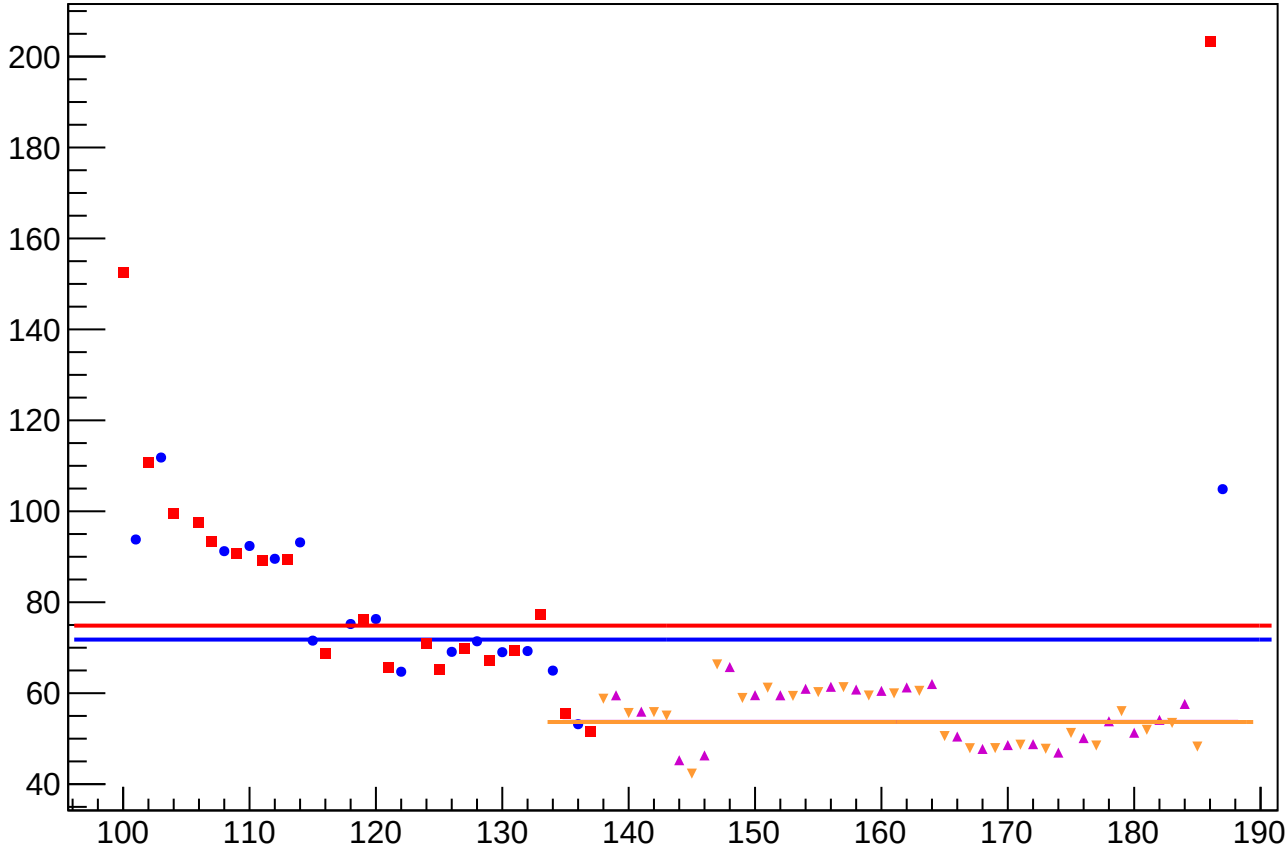
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -5.214+/-11.187 χ^2/NDF: 69.5/41

All: 6.695+/-8.020 χ^2/NDF: 113.8/84

- sign 19.291+/-11.505 χ^2/NDF: 42.0/42

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.790+/-0.019 χ^2/NDF: 627731.3/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

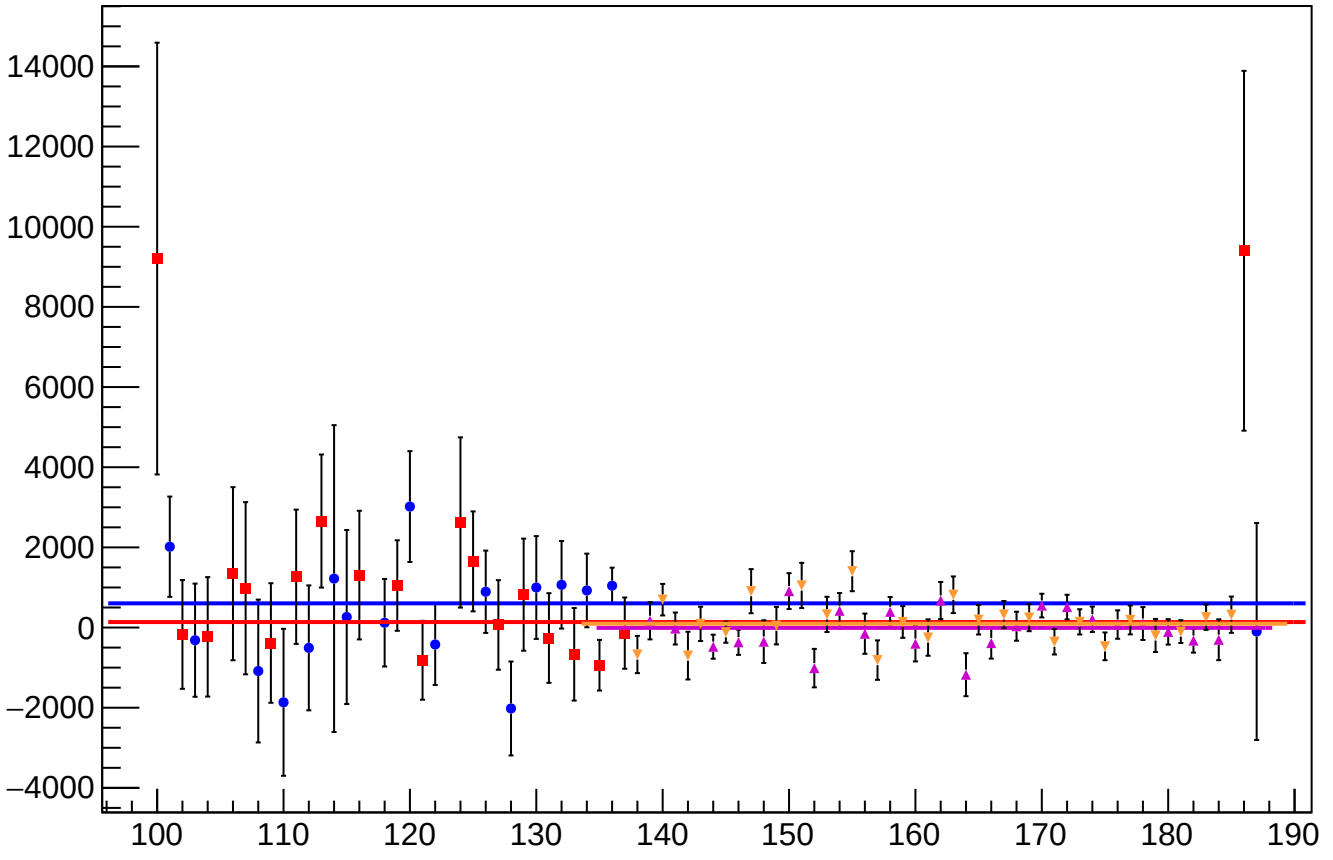
Right Out: 74.858+/-0.020 χ^2/NDF: 950320.2/19

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.766+/-0.008 χ^2/NDF: 1844410.1/41

All: 57.050+/-0.006 χ^2/NDF: 4235971.1/84

- sign 57.351+/-0.008 χ^2/NDF: 2388905.9/42



Right In: 603.732+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

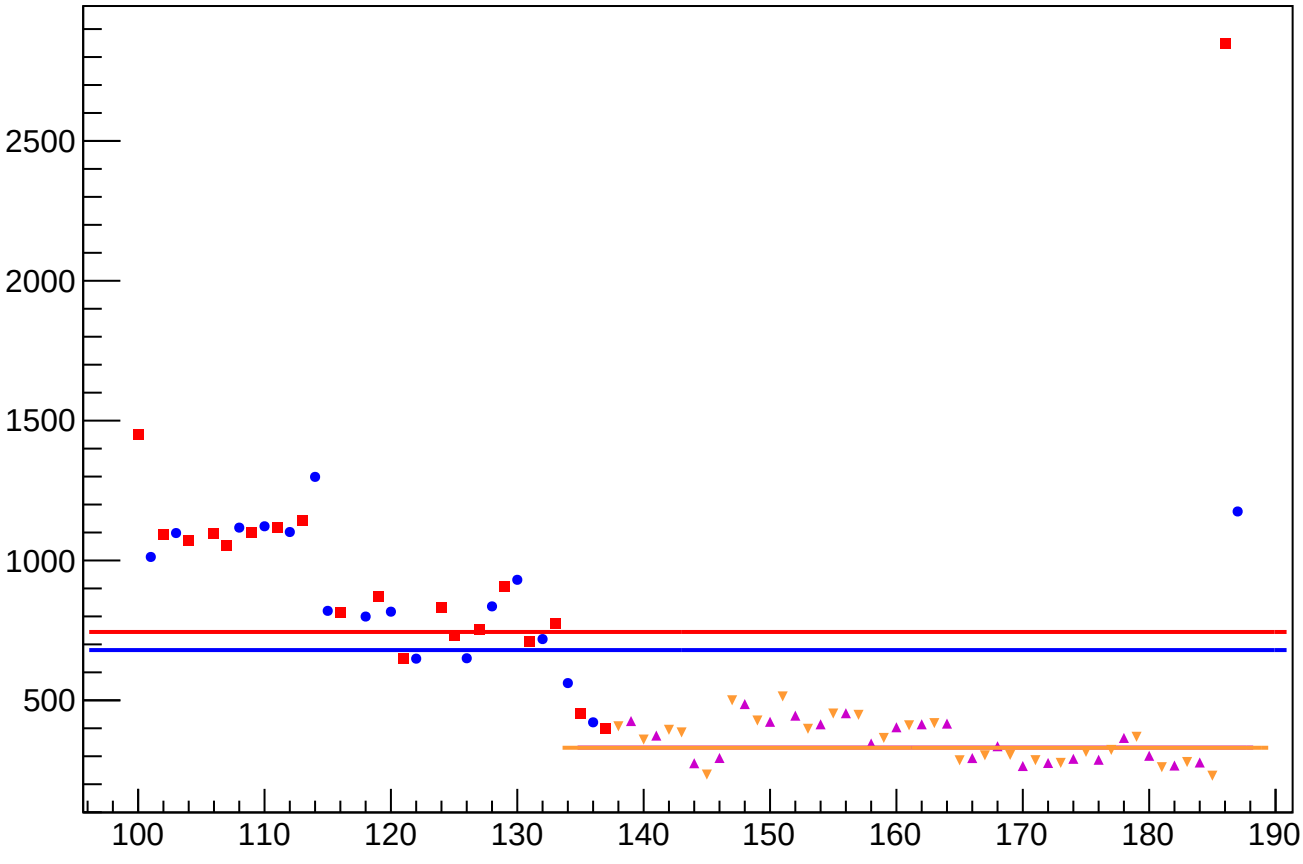
Right Out: 136.860+/-284.259 χ^2/NDF: 19.4/19

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.015+/-74.072 χ^2/NDF: 52.3/41

All: 70.674+/-53.122 χ^2/NDF: 105.8/84

- sign 2.533+/-76.227 χ^2/NDF: 51.9/42



Right In: 679.643+/-0.188 χ^2/NDF: 1685281.0/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

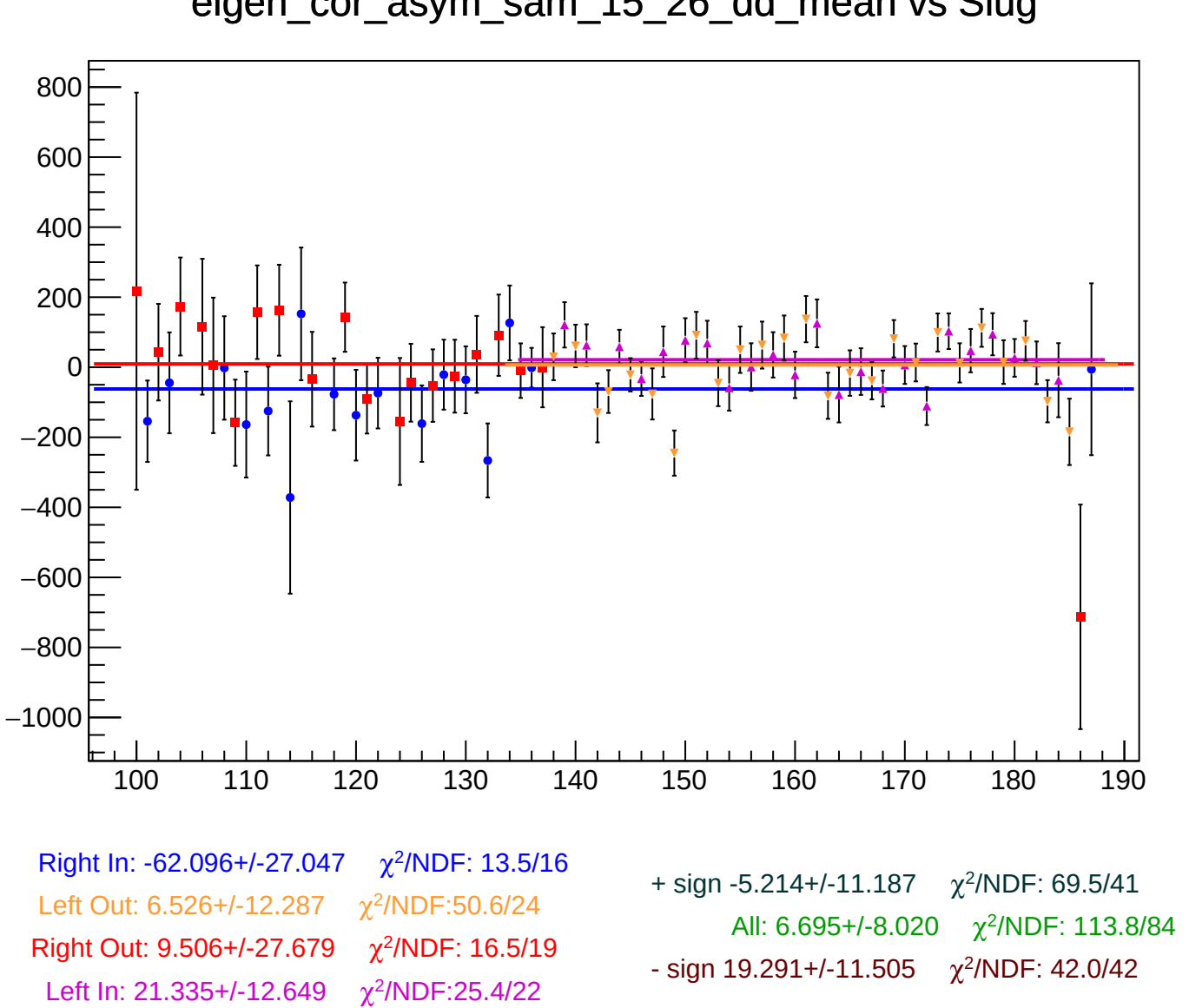
Right Out: 744.392+/-0.201 χ^2/NDF: 1938154.0/19

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

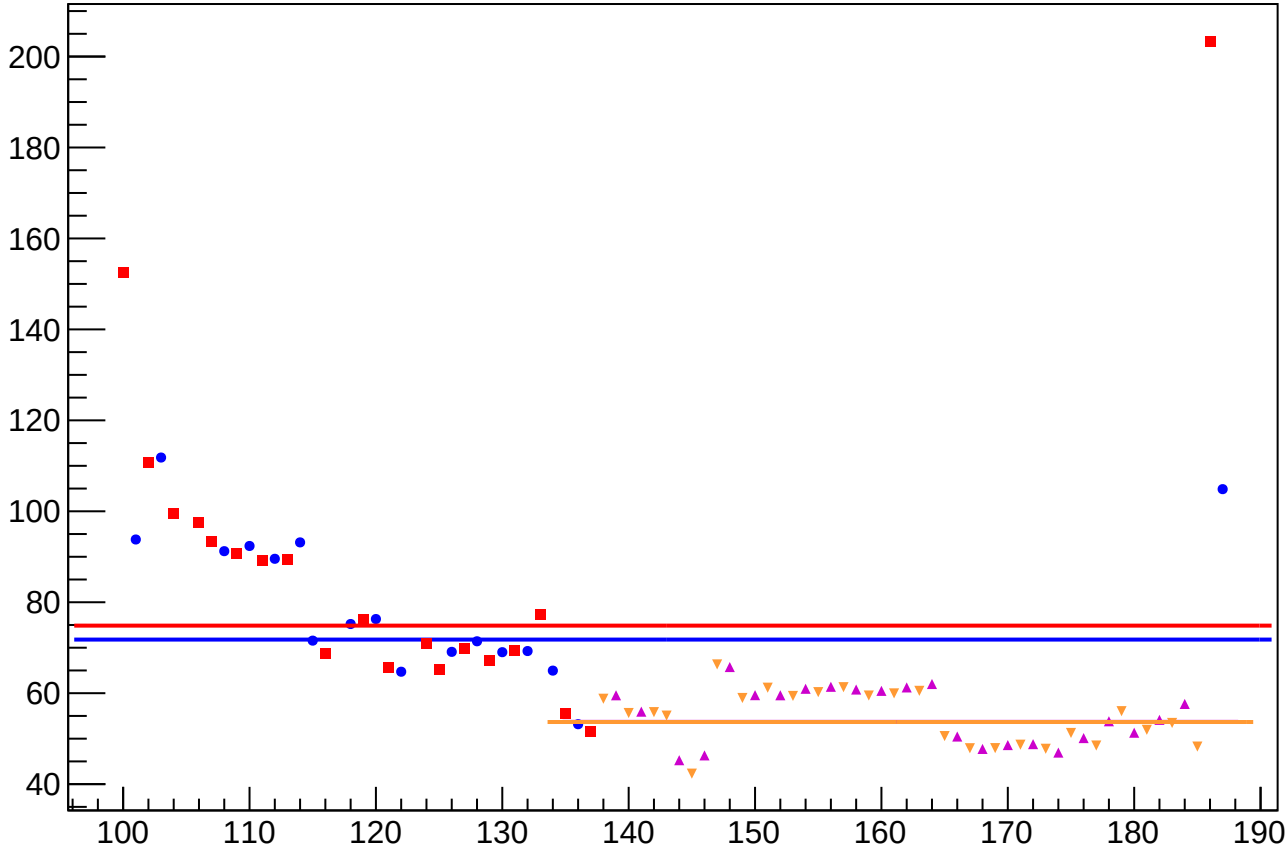
+ sign 357.585+/-0.052 χ^2/NDF: 6628571.5/41

All: 359.137+/-0.038 χ^2/NDF: 13818710.9/84

- sign 360.782+/-0.054 χ^2/NDF: 7188330.6/42


eigen_cor_asym_sam_15_26_dd_mean vs Slug
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
180
190
Right In: -62.096+/-27.047 χ²/NDF: 13.5/16
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 9.506+/-27.679 χ²/NDF: 16.5/19
Left In: 21.335+/-12.649 χ²/NDF:25.4/22
+ sign -5.214+/-11.187 χ²/NDF: 69.5/41
All: 6.695+/-8.020 χ²/NDF: 113.8/84
- sign 19.291+/-11.505 χ²/NDF: 42.0/42

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 71.790+/-0.019 χ^2/NDF: 627731.3/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

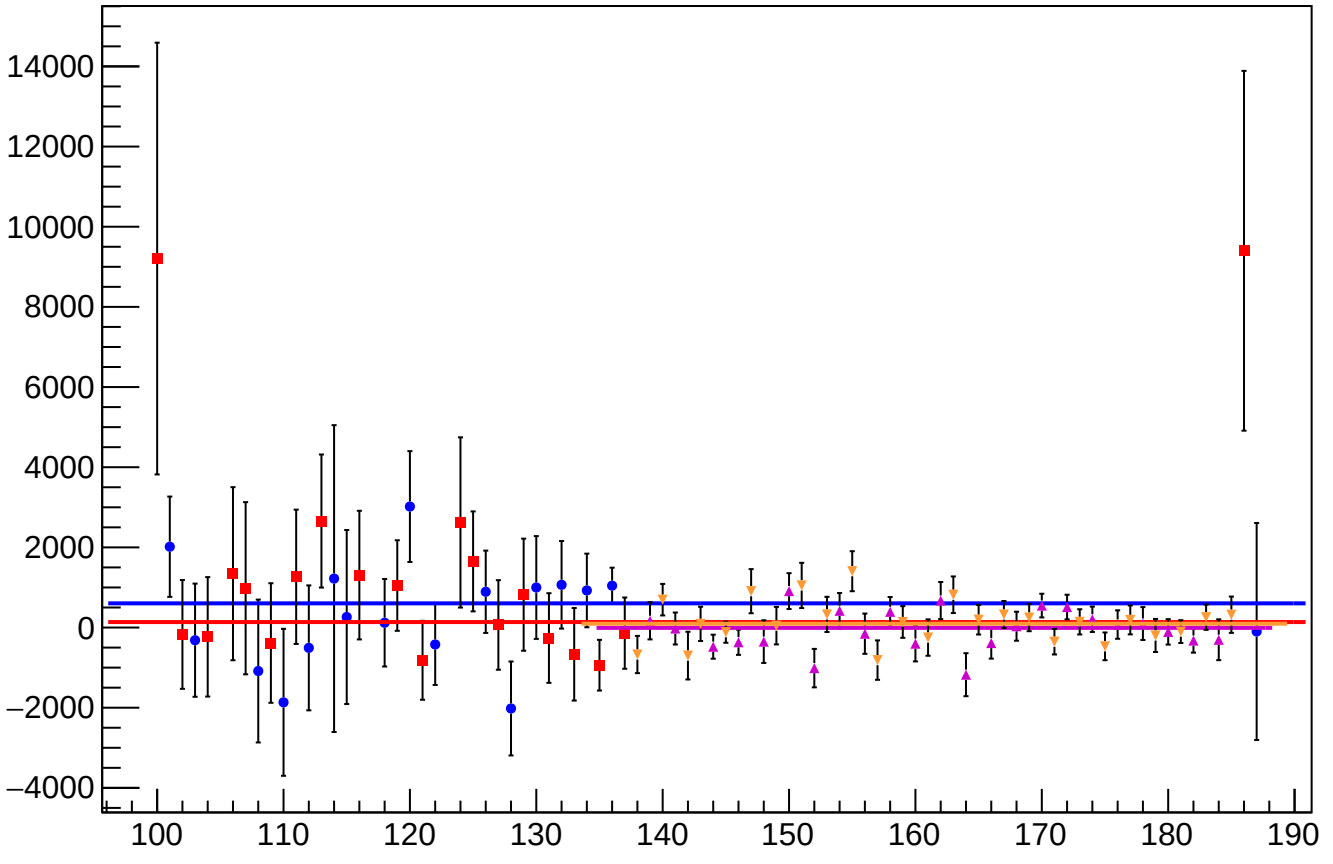
Right Out: 74.858+/-0.020 χ^2/NDF: 950320.2/19

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 56.766+/-0.008 χ^2/NDF: 1844410.1/41

All: 57.050+/-0.006 χ^2/NDF: 4235971.1/84

- sign 57.351+/-0.008 χ^2/NDF: 2388905.9/42



Right In: 603.732+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

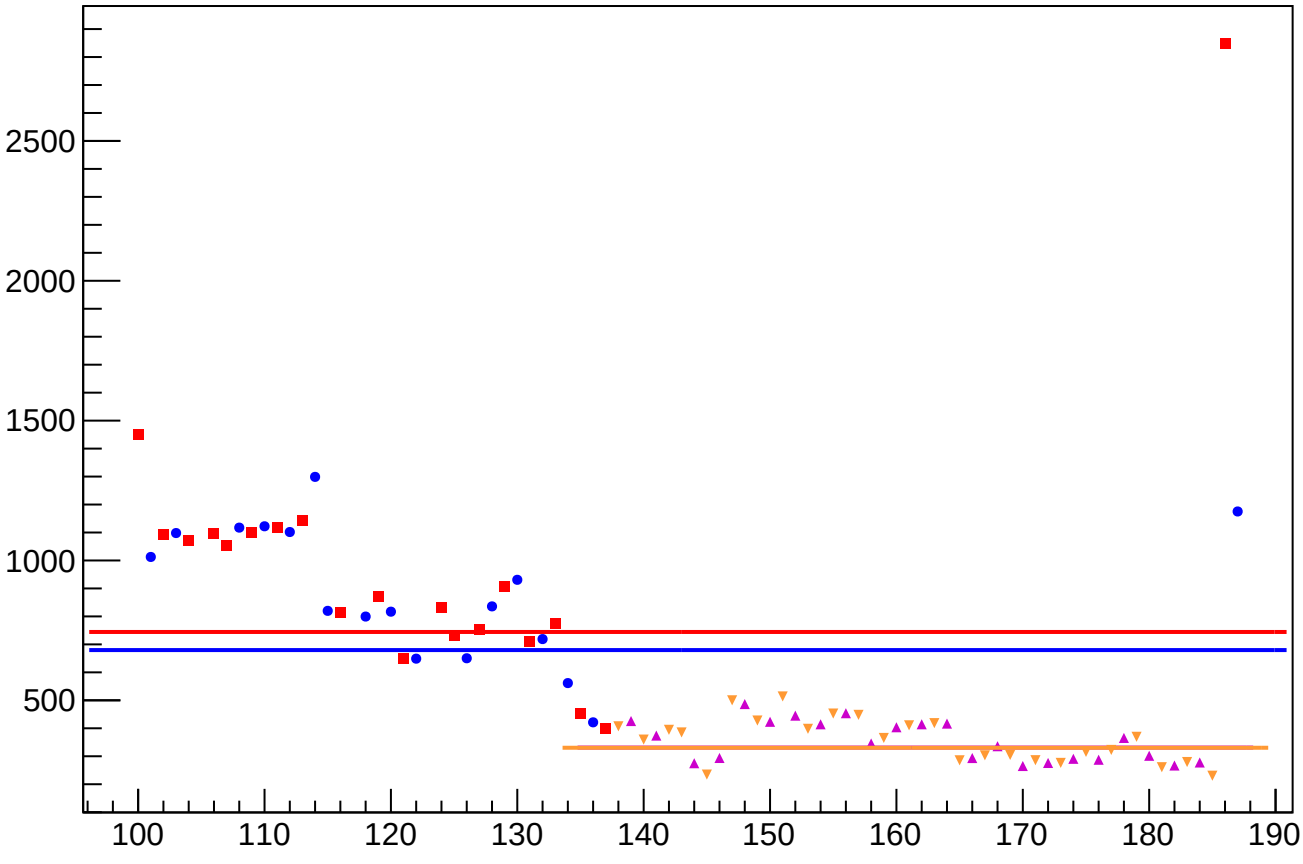
Right Out: 136.860+/-284.259 χ^2/NDF: 19.4/19

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 135.015+/-74.072 χ^2/NDF: 52.3/41

All: 70.674+/-53.122 χ^2/NDF: 105.8/84

- sign 2.533+/-76.227 χ^2/NDF: 51.9/42



Right In: 679.643+/-0.188 χ^2/NDF: 1685281.0/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 744.392+/-0.201 χ^2/NDF: 1938154.0/19

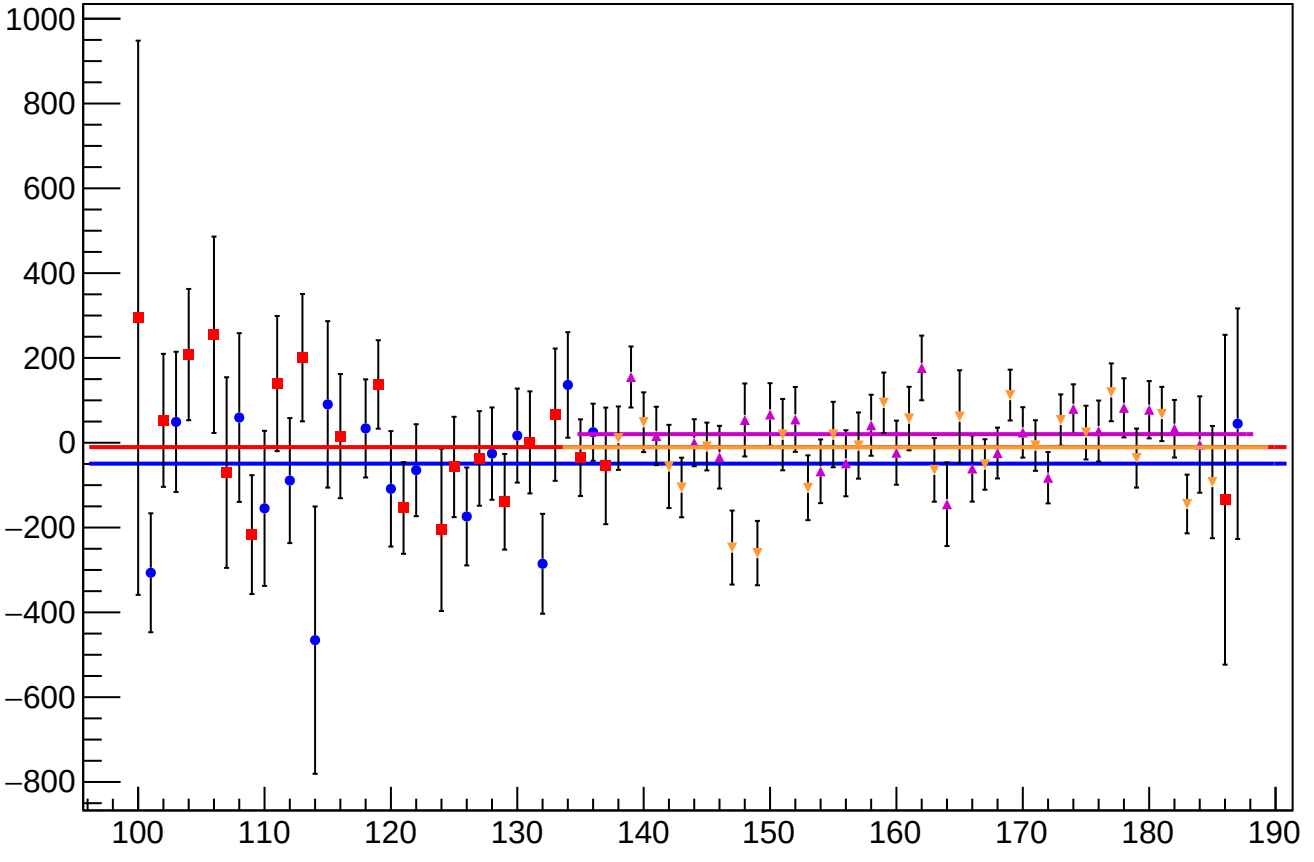
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 357.585+/-0.052 χ^2/NDF: 6628571.5/41

All: 359.137+/-0.038 χ^2/NDF: 13818710.9/84

- sign 360.782+/-0.054 χ^2/NDF: 7188330.6/42

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -49.235+/-30.860 χ^2/NDF: 16.5/16

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -10.182+/-31.134 χ^2/NDF: 15.7/19

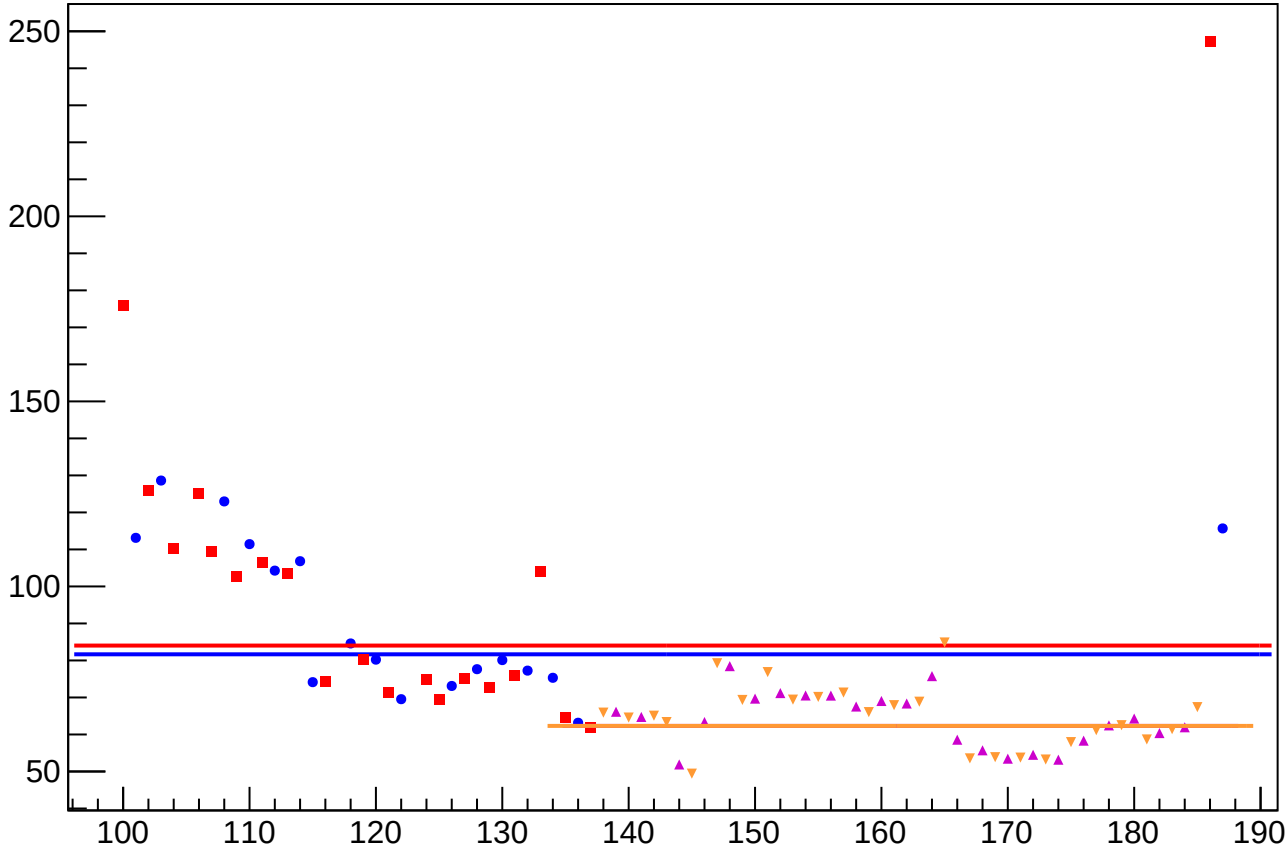
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.449+/-12.983 χ^2/NDF: 60.0/41

All: -1.790+/-9.300 χ^2/NDF: 101.2/84

- sign 14.717+/-13.330 χ^2/NDF: 38.1/42

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.662+/-0.022 χ^2/NDF: 694597.4/16

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 84.023+/-0.022 χ^2/NDF: 1084680.4/19

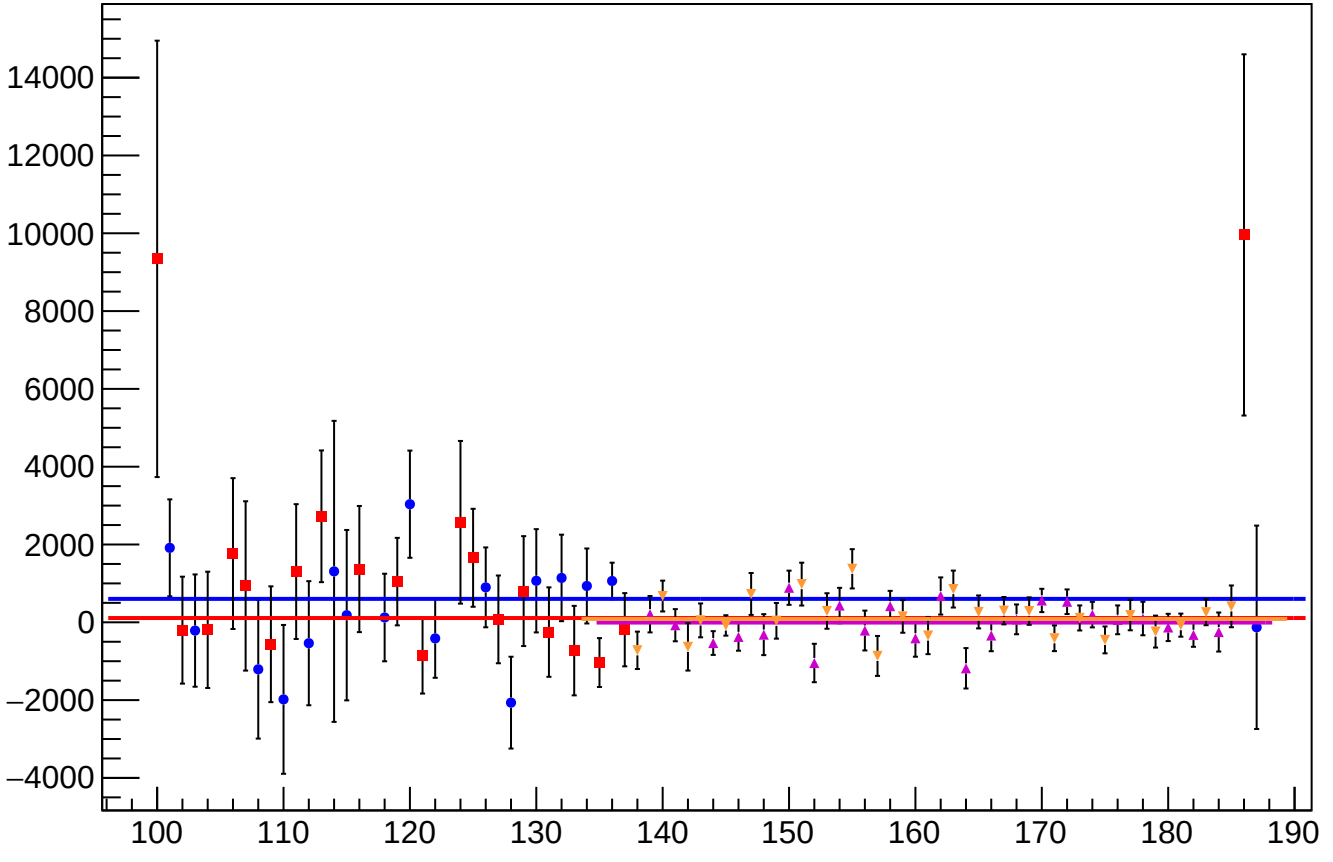
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 65.740+/-0.009 χ^2/NDF: 1977730.8/41

All: 66.008+/-0.007 χ^2/NDF: 4343121.6/84

- sign 66.290+/-0.009 χ^2/NDF: 2363641.9/42

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 602.357+/-272.489 χ^2/NDF: 15.9/16

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 109.899+/-286.284 χ^2/NDF: 20.7/19

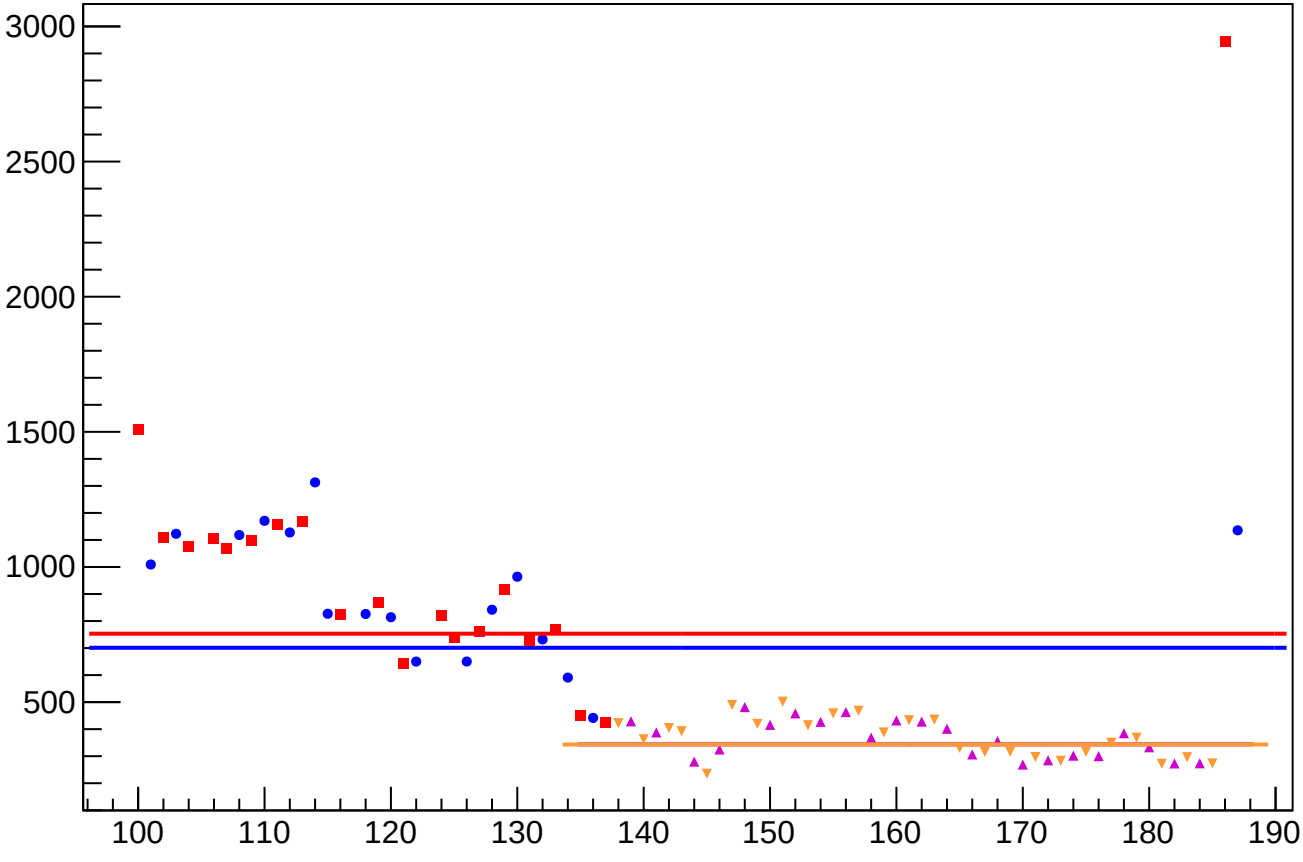
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.728+/-76.616 χ^2/NDF: 50.8/41

All: 66.903+/-54.975 χ^2/NDF: 105.4/84

- sign 2.350+/-78.928 χ^2/NDF: 53.3/42

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 701.144+/-0.193 χ^2/NDF: 1571341.3/16

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 753.237+/-0.202 χ^2/NDF: 1945397.4/19

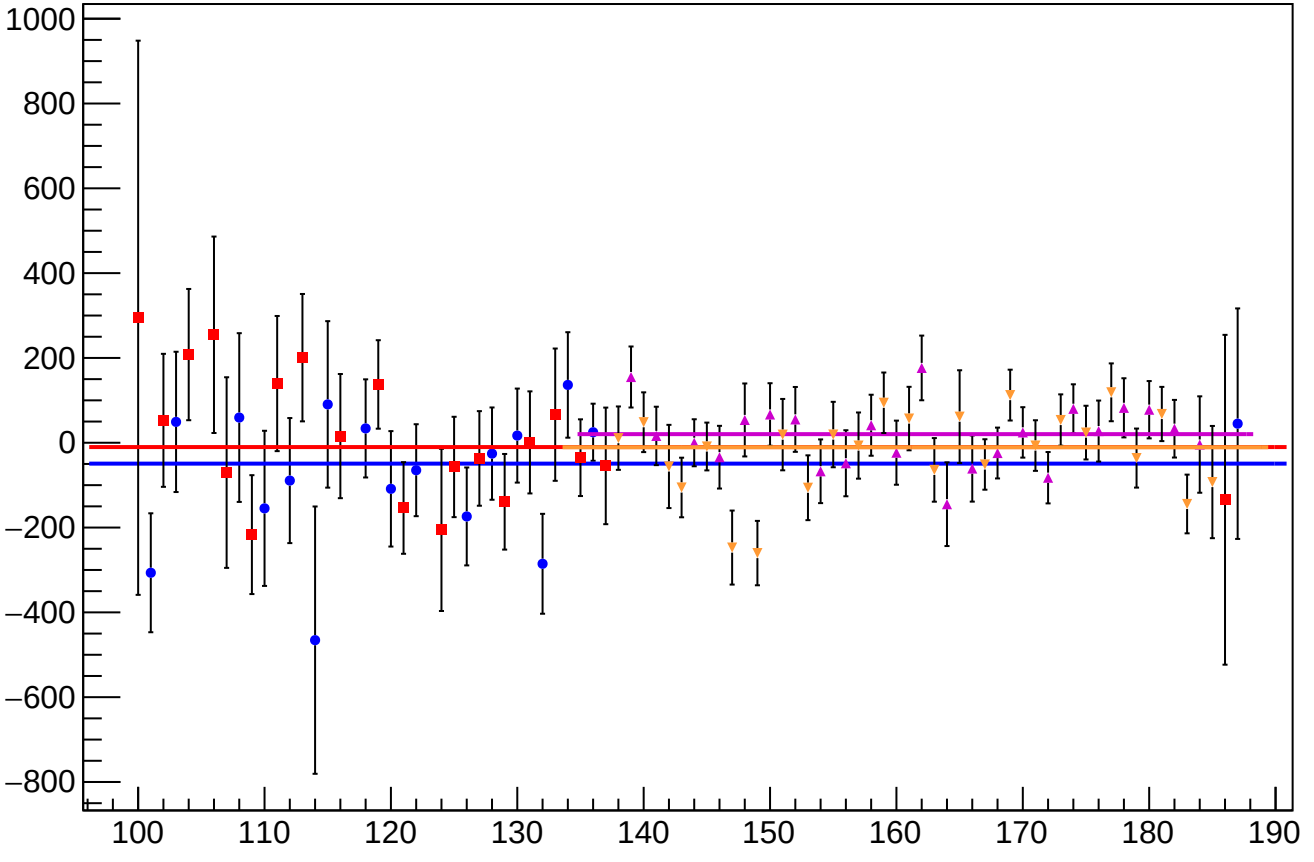
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 371.521+/-0.054 χ^2/NDF: 6344586.0/41

All: 373.133+/-0.039 χ^2/NDF: 13331582.9/84

- sign 374.844+/-0.056 χ^2/NDF: 6985170.8/42

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -49.235+/-30.860 χ^2/NDF: 16.5/16

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -10.182+/-31.134 χ^2/NDF: 15.7/19

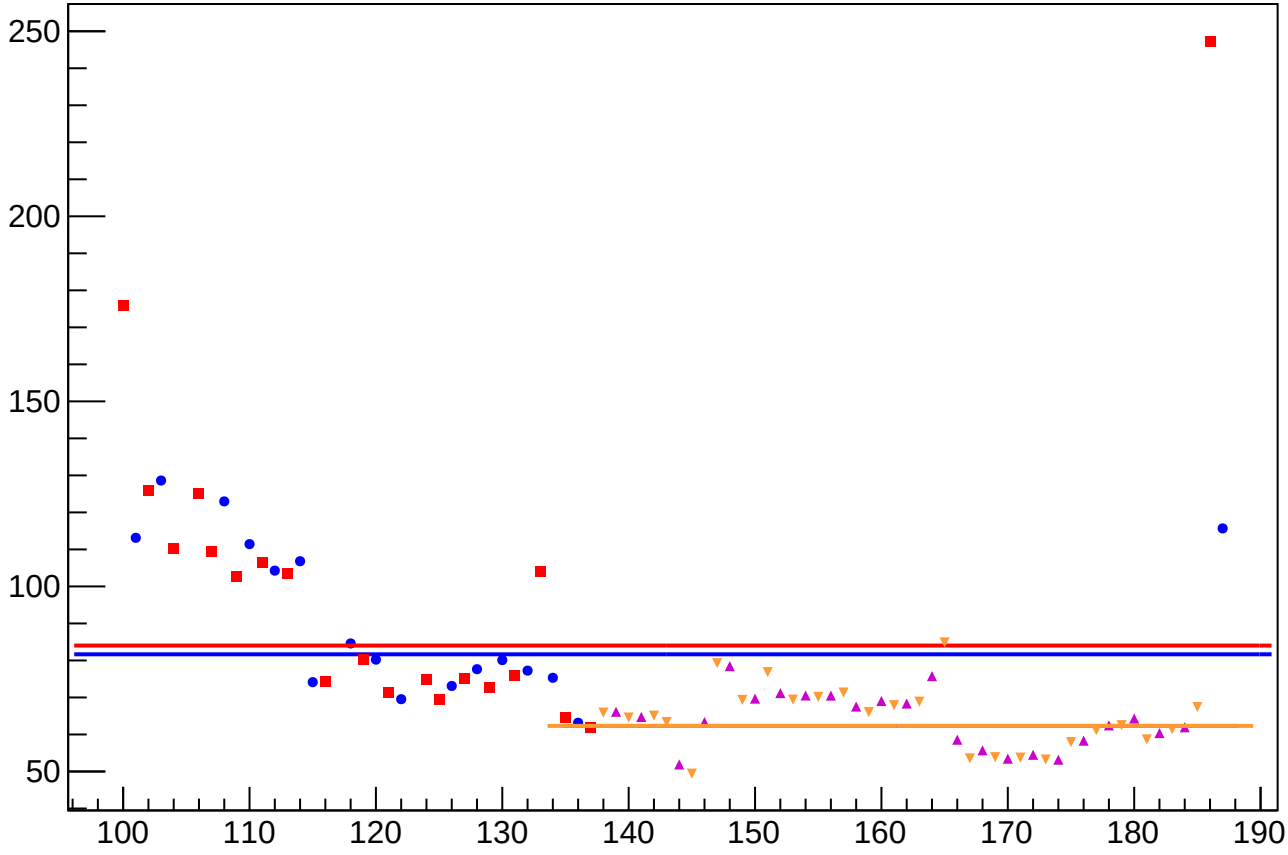
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -17.449+/-12.983 χ^2/NDF: 60.0/41

All: -1.790+/-9.300 χ^2/NDF: 101.2/84

- sign 14.717+/-13.330 χ^2/NDF: 38.1/42

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 81.662+/-0.022 χ^2/NDF: 694586.8/16

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

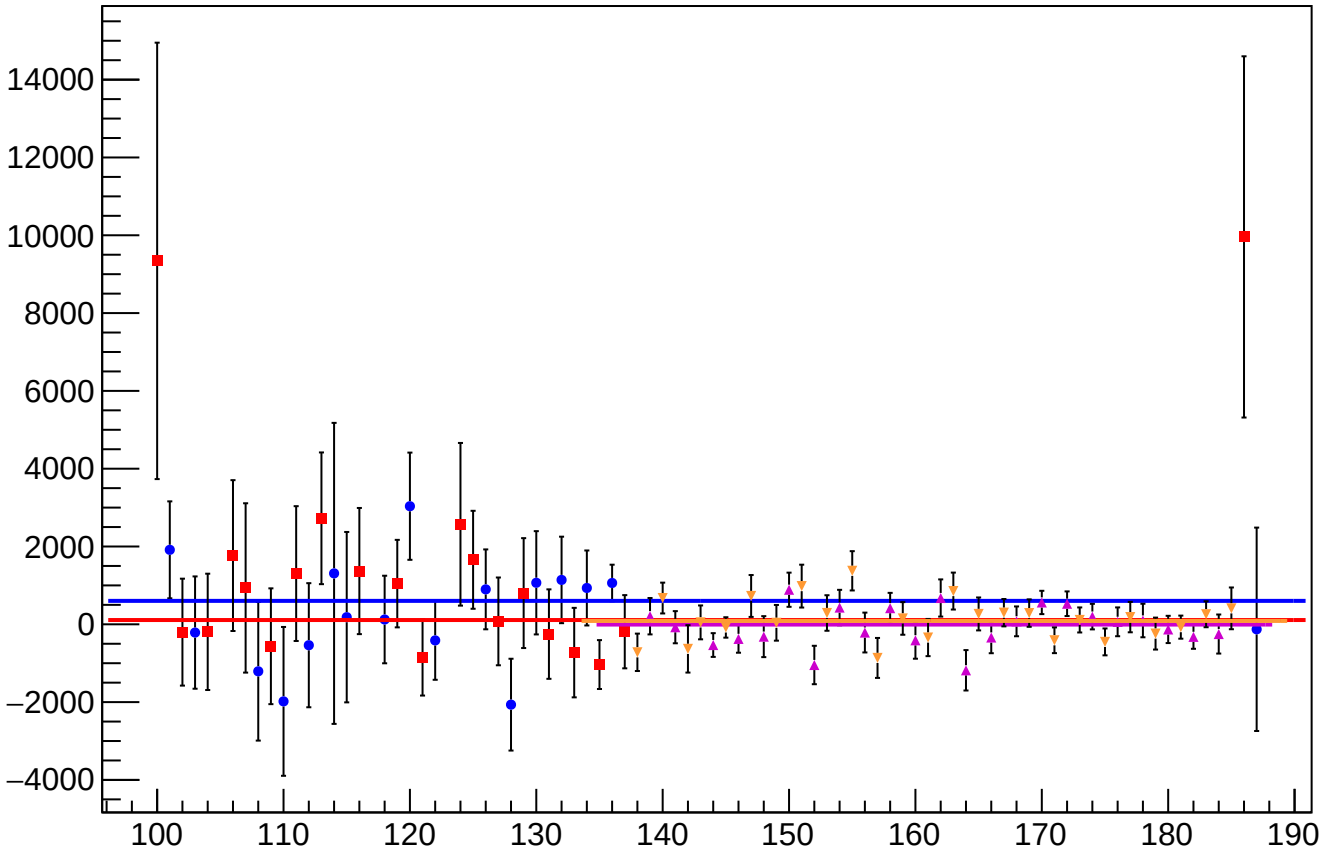
Right Out: 84.023+/-0.022 χ^2/NDF: 1084657.6/19

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 65.740+/-0.009 χ^2/NDF: 1977689.4/41

All: 66.008+/-0.007 χ^2/NDF: 4343022.5/84

- sign 66.291+/-0.009 χ^2/NDF: 2363583.3/42



Right In: 602.356+/-272.489 χ^2/NDF: 15.9/16

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

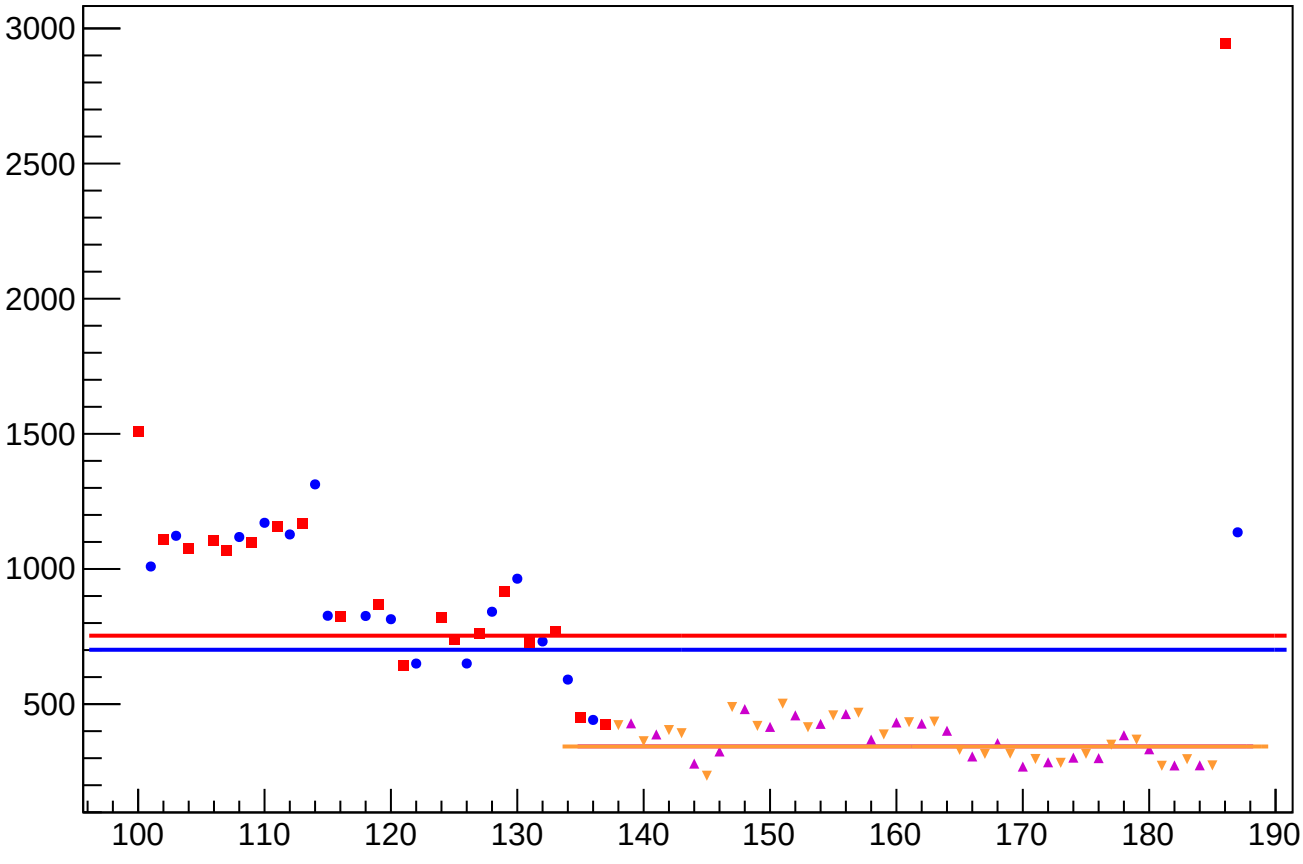
Right Out: 109.901+/-286.284 χ^2/NDF: 20.7/19

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 127.729+/-76.616 χ^2/NDF: 50.8/41

All: 66.903+/-54.975 χ^2/NDF: 105.4/84

- sign 2.350+/-78.928 χ^2/NDF: 53.3/42



Right In: 701.143+/-0.193 χ^2/NDF: 1571325.3/16

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 753.236+/-0.202 χ^2/NDF: 1945383.8/19

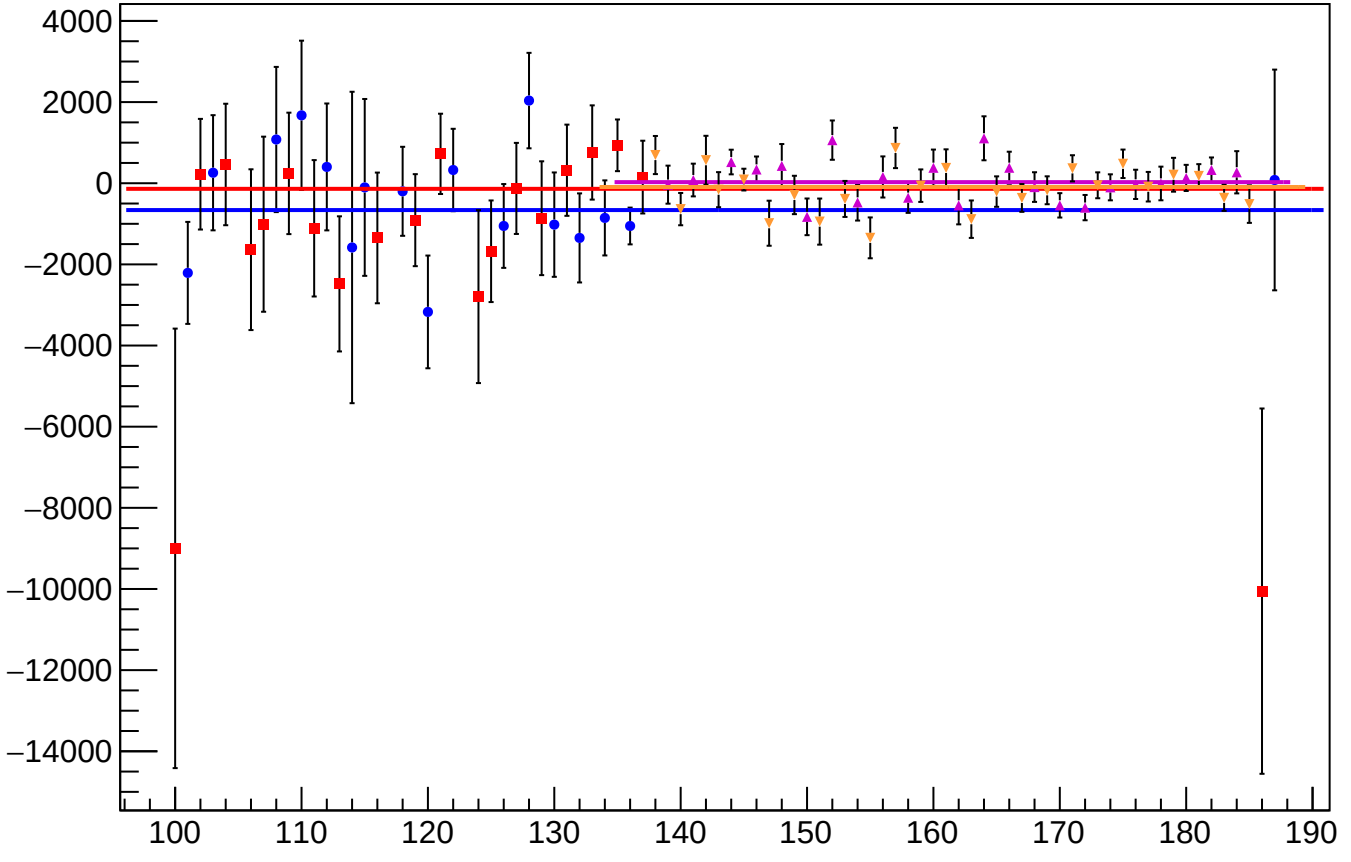
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 371.521+/-0.054 χ^2/NDF: 6344584.8/41

All: 373.133+/-0.039 χ^2/NDF: 13331573.1/84

- sign 374.845+/-0.056 χ^2/NDF: 6985162.1/42

asym_sam_15_26_dd_mean vs Slug



Right In: -661.277+/-267.154 χ^2/NDF: 16.2/16

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -137.992+/-285.307 χ^2/NDF: 19.7/19

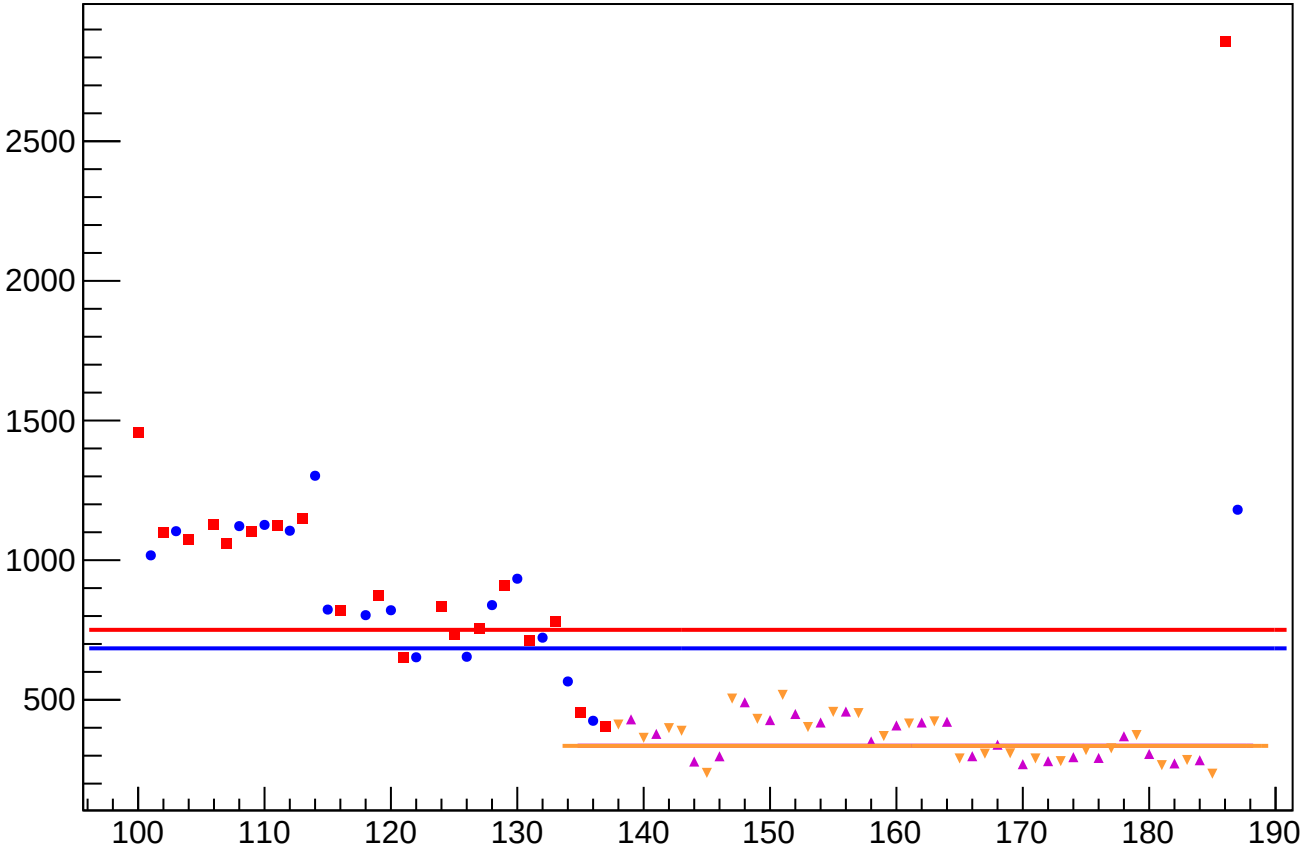
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -137.529+/-75.037 χ^2/NDF: 54.6/41

All: -63.408+/-53.812 χ^2/NDF: 107.5/84

- sign 15.076+/-77.214 χ^2/NDF: 50.9/42

asym_sam_15_26_dd_rms vs Slug



Right In: 684.303+/-0.189 χ^2/NDF: 1668147.8/16

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

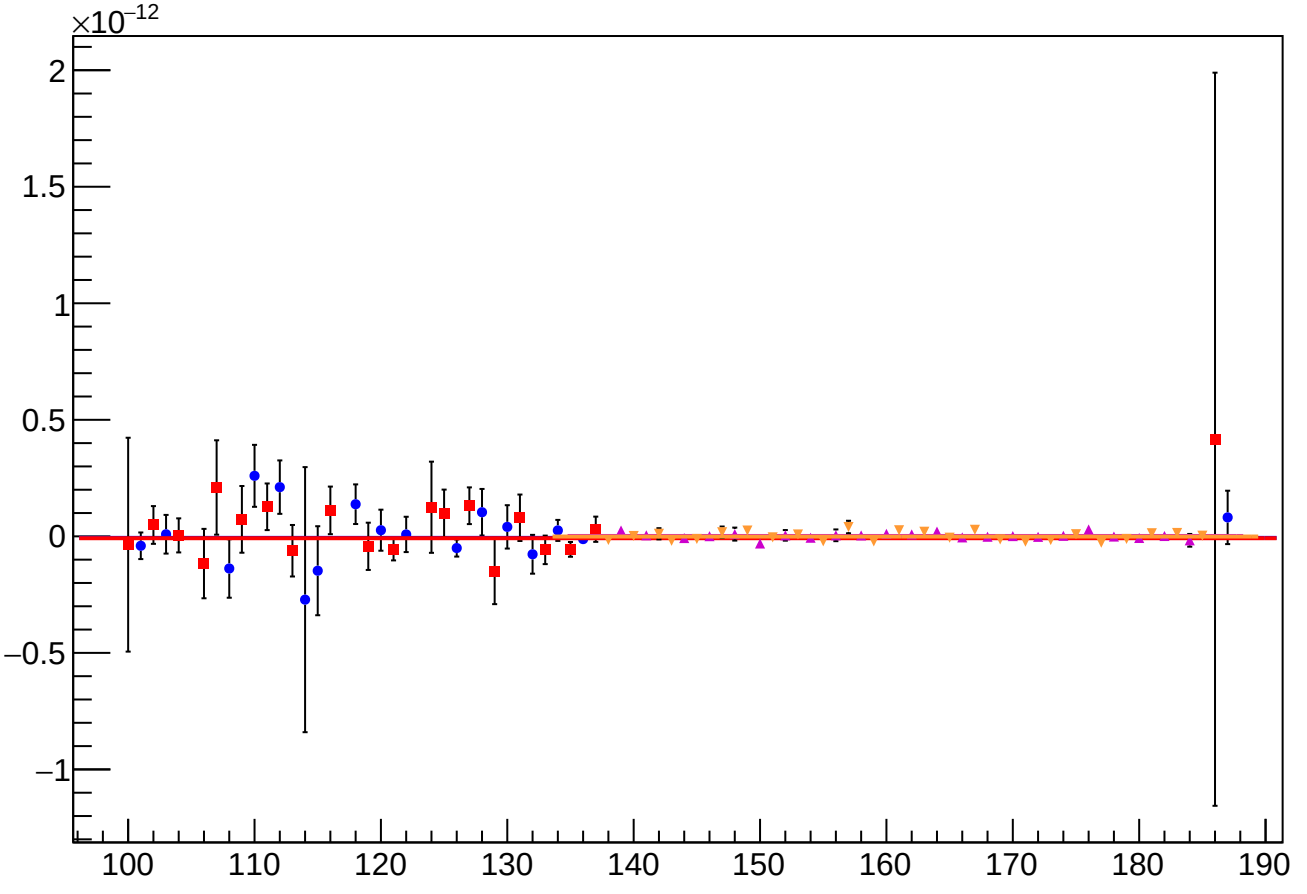
Right Out: 750.575+/-0.202 χ^2/NDF: 1944010.9/19

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

\+ sign 362.695+/-0.053 χ^2/NDF: 6520815.4/41

All: 364.382+/-0.038 χ^2/NDF: 13675919.3/84

\- sign 366.168+/-0.055 χ^2/NDF: 7153022.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

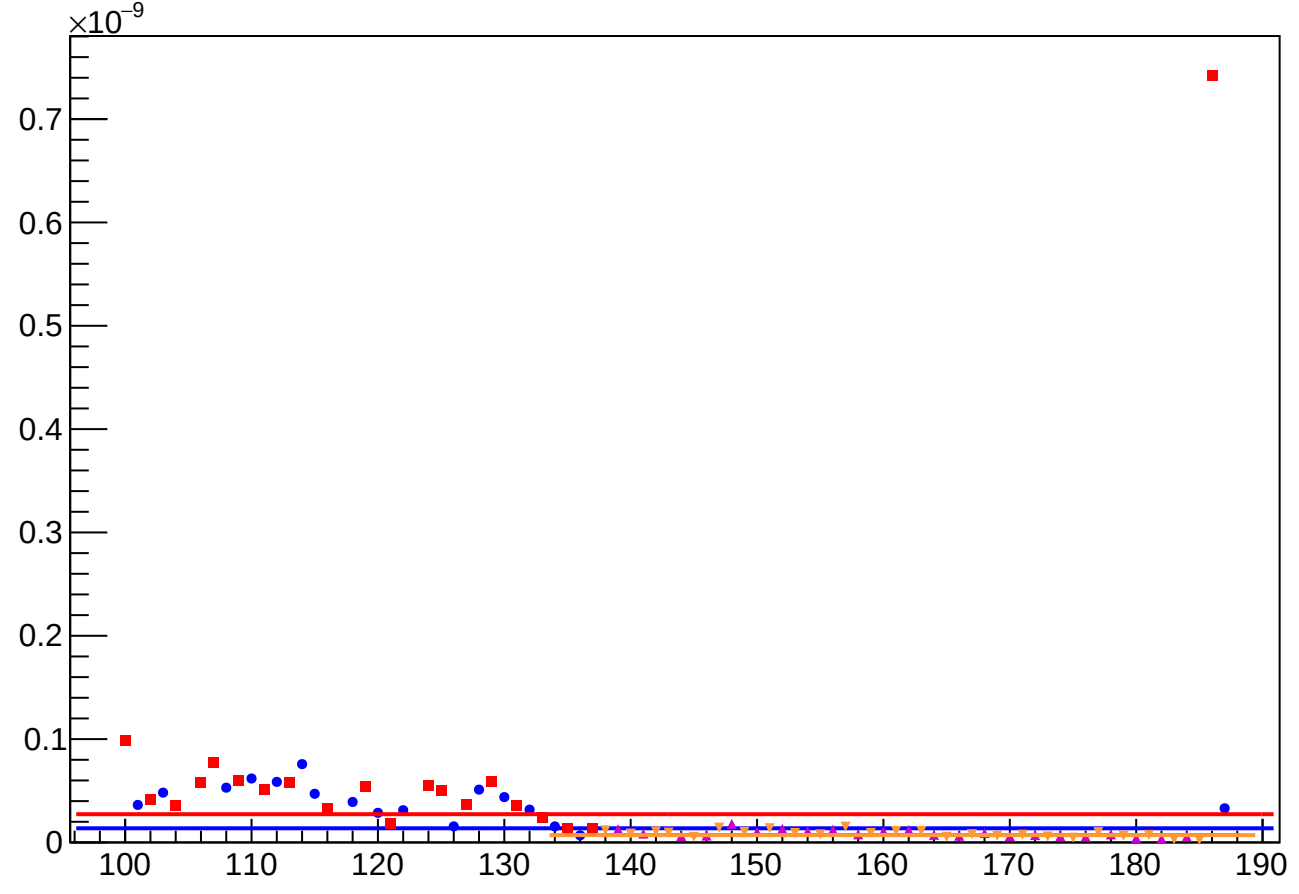
Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.4/41

All: -0.000+/-0.000 χ^2/NDF: 83.9/84

- sign 0.000+/-0.000 χ^2/NDF: 32.1/42



Right In: 0.000+/-0.000 χ^2/NDF: 3102751.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

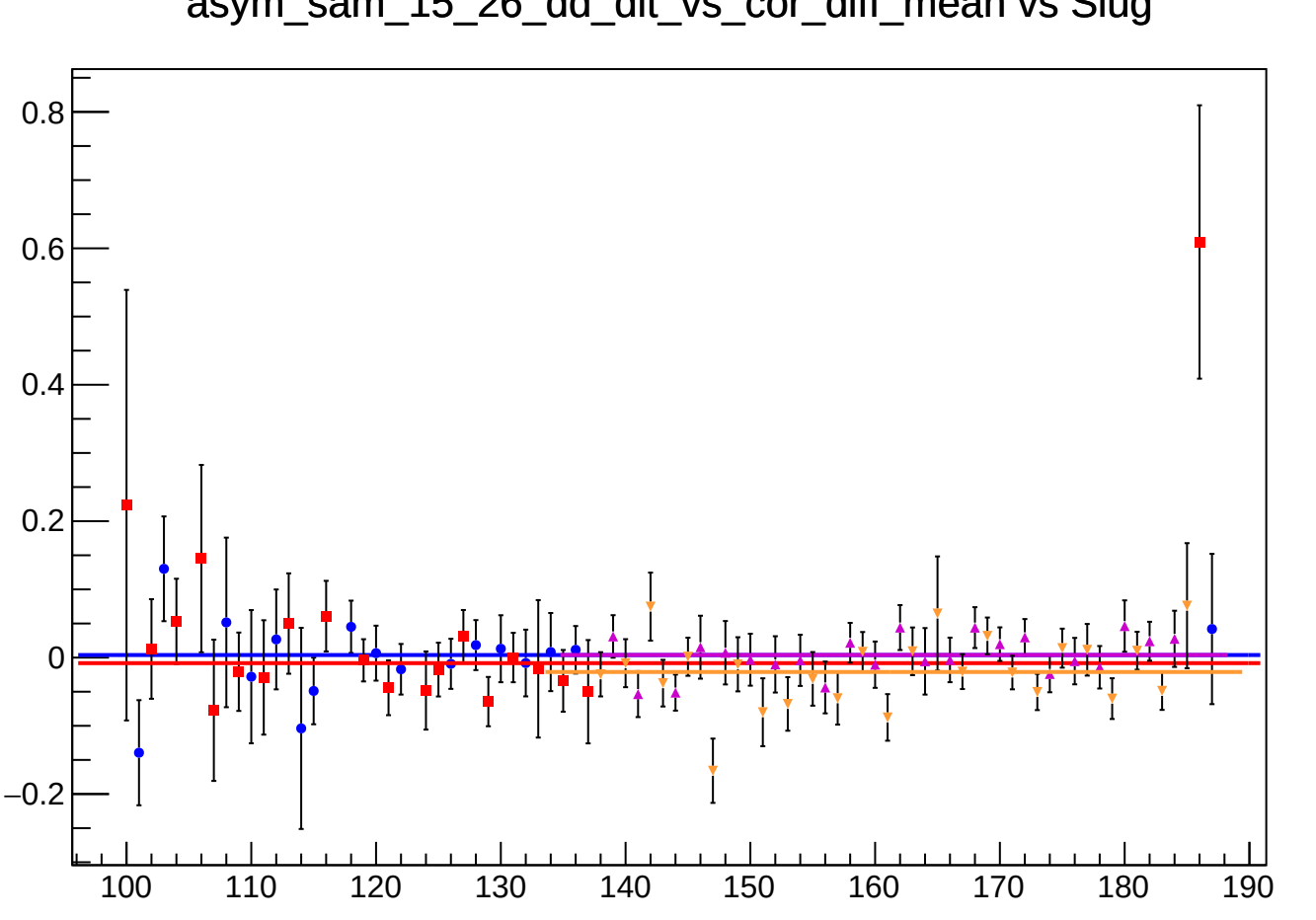
Right Out: 0.000+/-0.000 χ^2/NDF: 2149031.2/19

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 5855533.0/41

All: 0.000+/-0.000 χ^2/NDF: 12241720.1/84

- sign 0.000+/-0.000 χ^2/NDF: 6378392.6/42



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.008+/-0.012 χ^2/NDF: 20.8/19

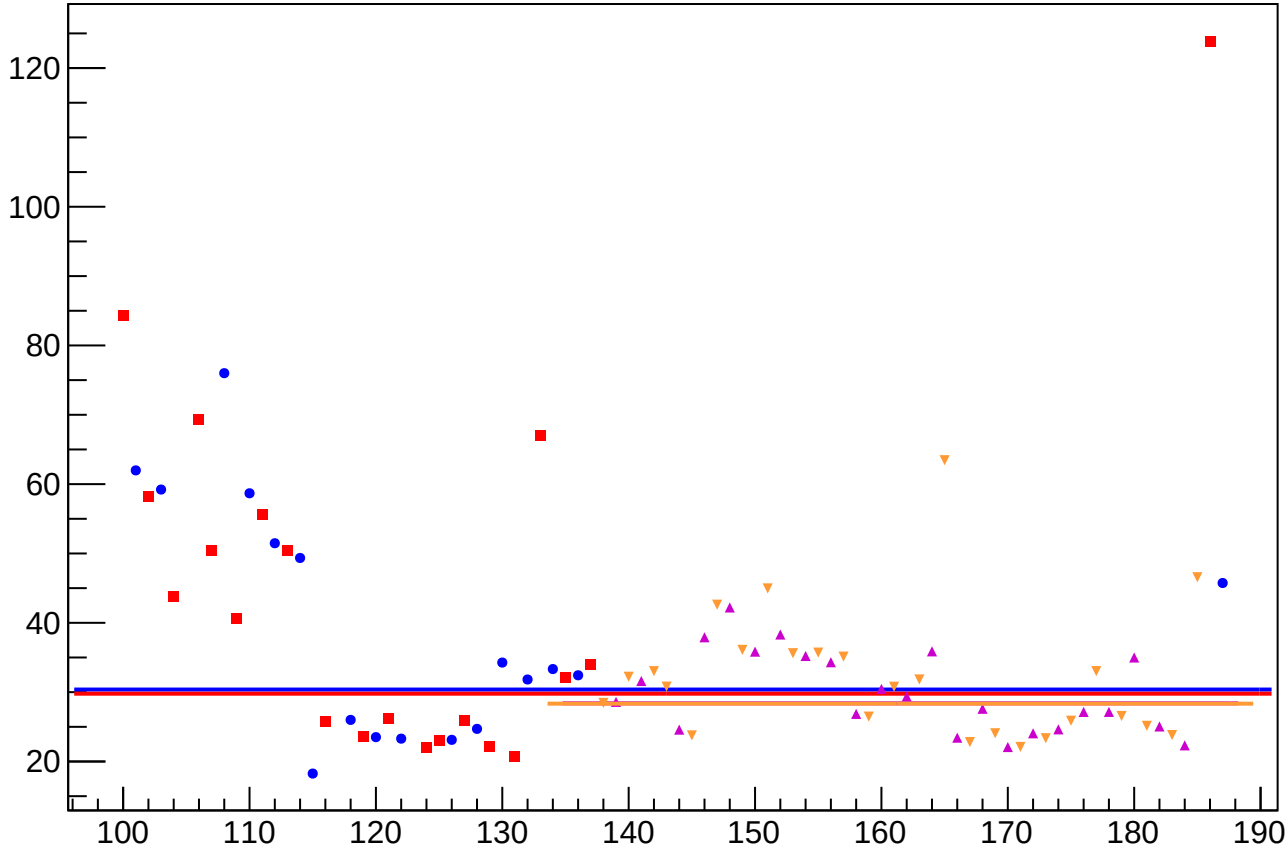
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

\+ sign -0.015+/-0.006 χ^2/NDF: 50.6/41

All: -0.007+/-0.004 χ^2/NDF: 94.6/84

\- sign 0.001+/-0.006 χ^2/NDF: 40.2/42

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.378+/-0.009 χ^2/NDF: 1726754.4/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

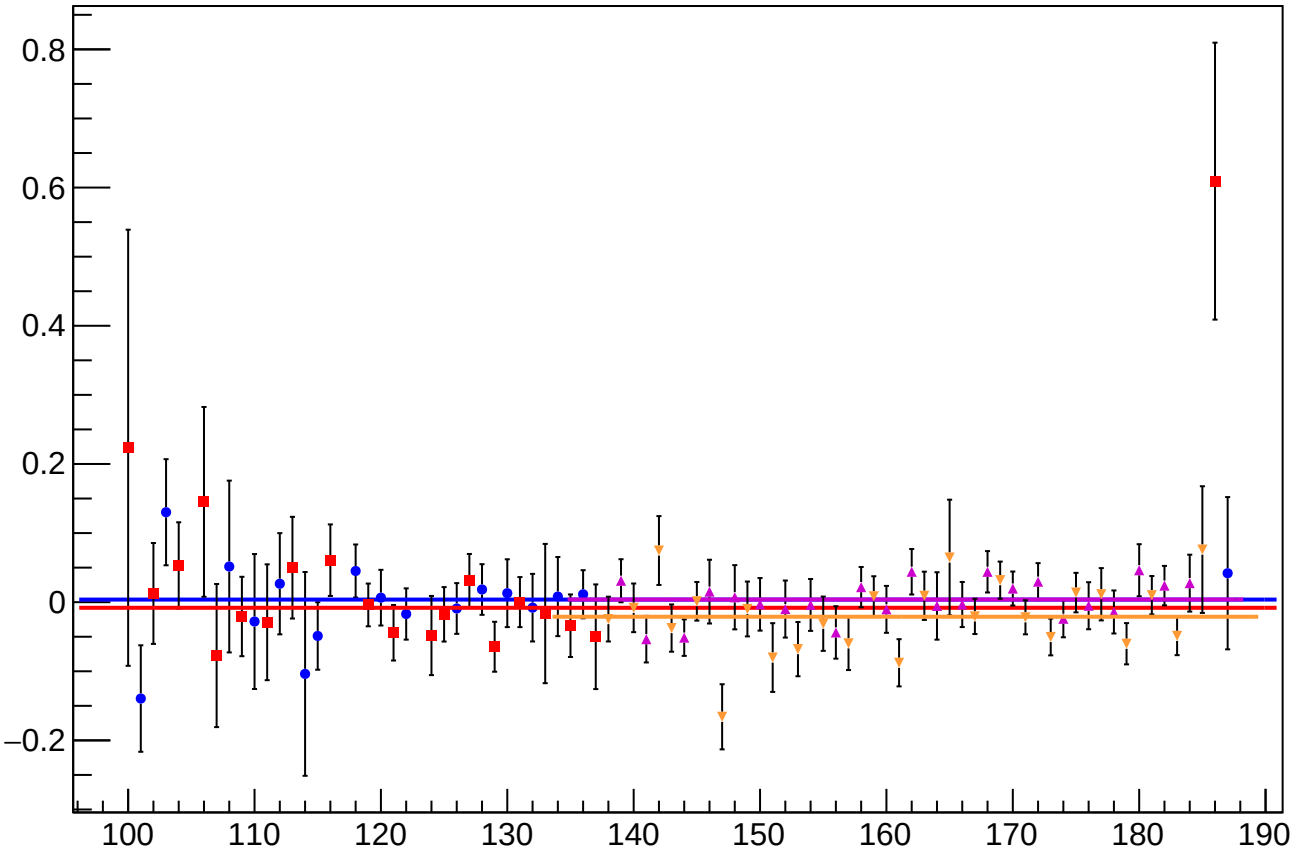
Right Out: 29.778+/-0.008 χ^2/NDF: 2290566.1/19

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.810+/-0.004 χ^2/NDF: 3503197.0/41

All: 28.776+/-0.003 χ^2/NDF: 6913481.9/84

- sign 28.740+/-0.004 χ^2/NDF: 3410145.6/42



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

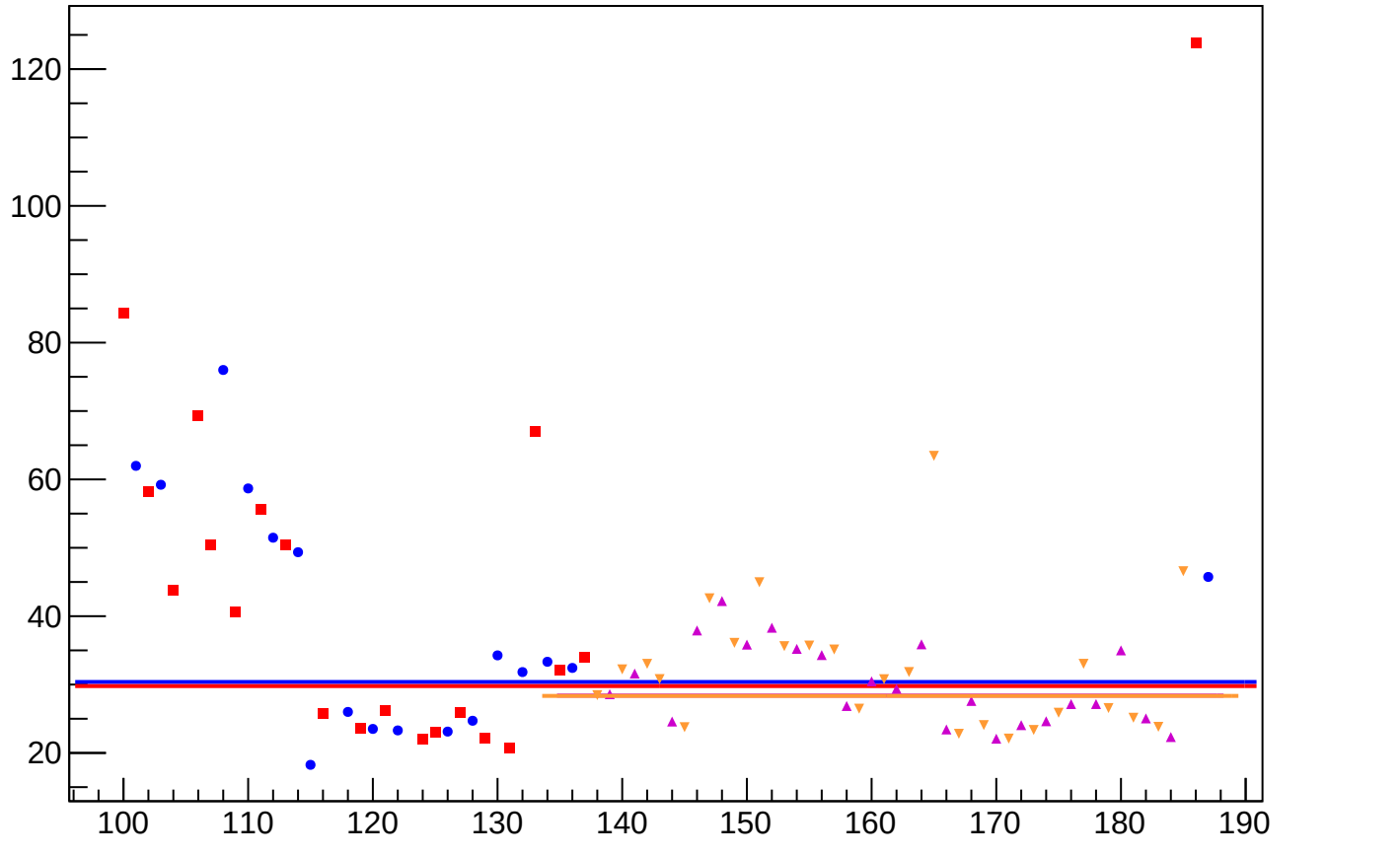
Right Out: -0.008+/-0.012 χ^2/NDF: 20.8/19

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

\+ sign -0.015+/-0.006 χ^2/NDF: 50.6/41

All: -0.007+/-0.004 χ^2/NDF: 94.6/84

\- sign 0.001+/-0.006 χ^2/NDF: 40.2/42



Right In: 30.378+/-0.009 χ^2/NDF: 1726754.4/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

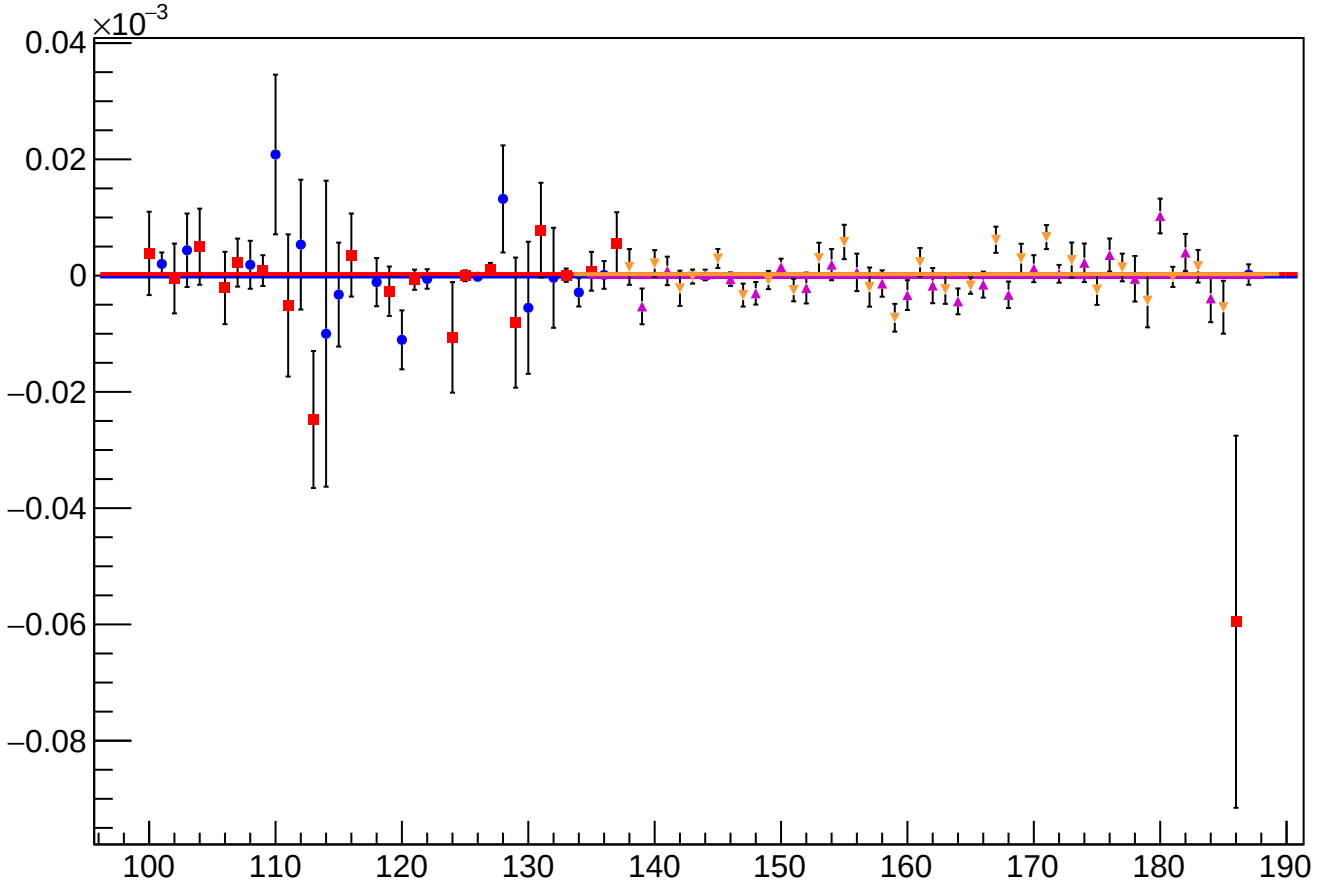
Right Out: 29.778+/-0.008 χ^2/NDF: 2290566.1/19

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 28.810+/-0.004 χ^2/NDF: 3503197.0/41

All: 28.776+/-0.003 χ^2/NDF: 6913481.9/84

- sign 28.740+/-0.004 χ^2/NDF: 3410145.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

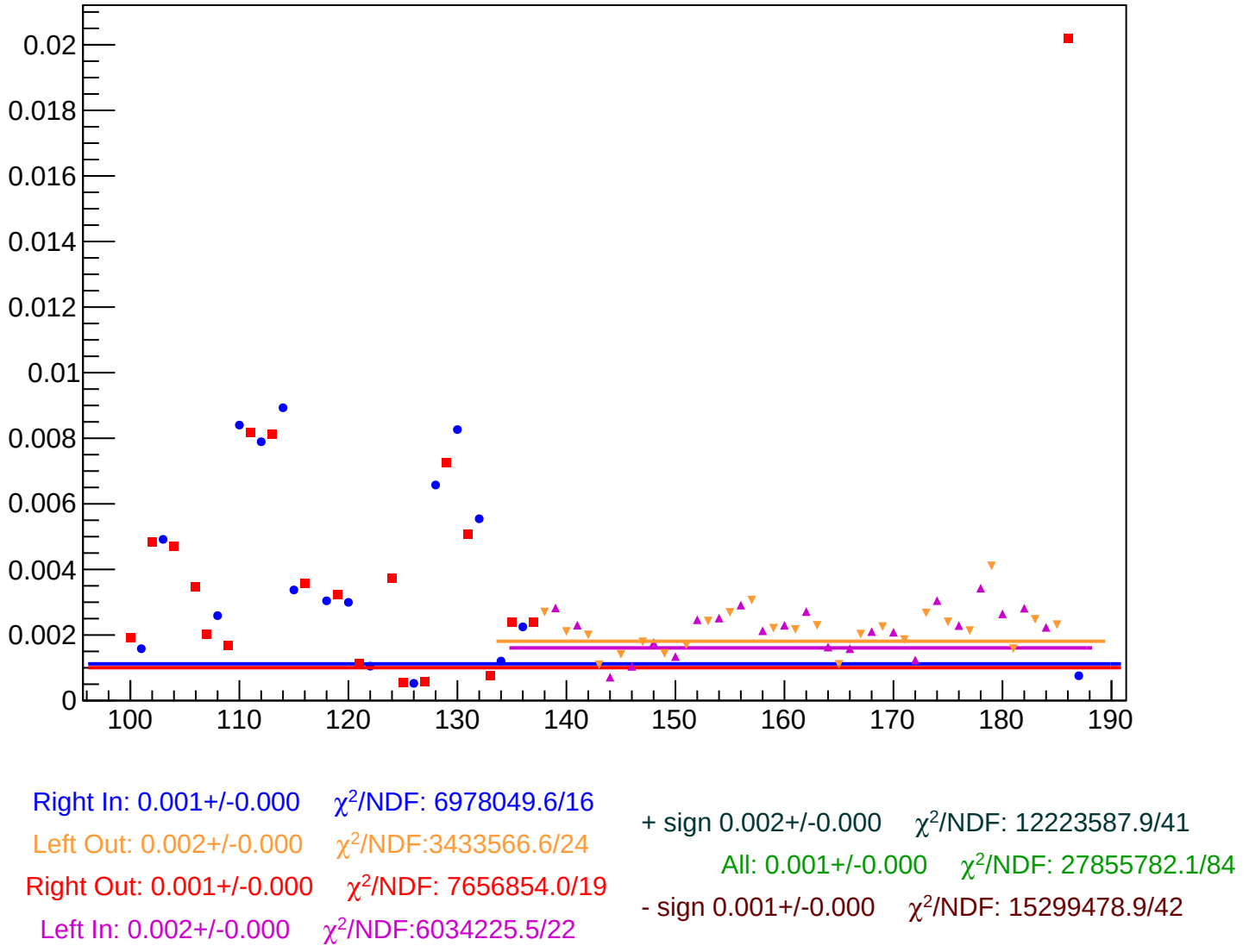
Right Out: 0.000+/-0.000 χ^2/NDF: 14.9/19

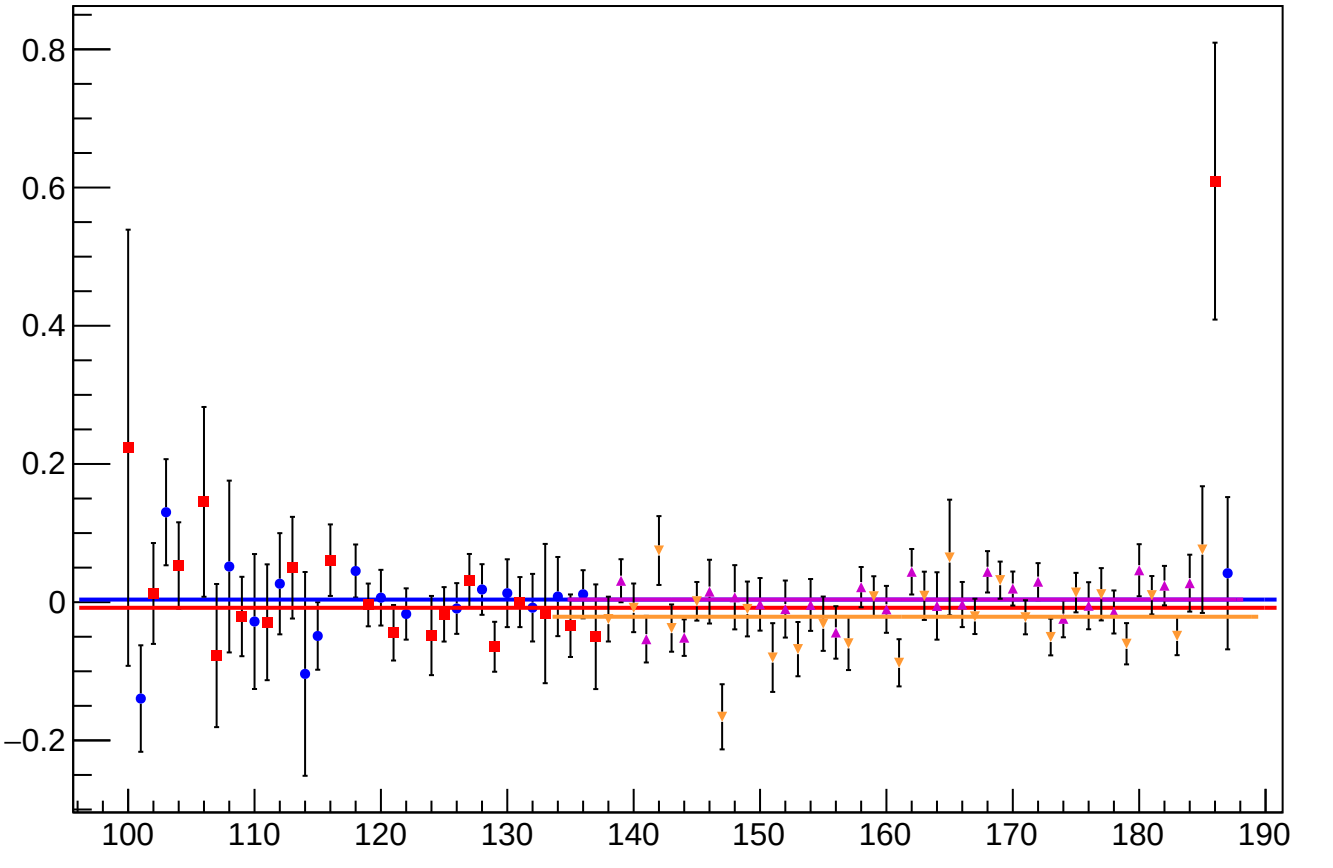
Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.2/41

All: 0.000+/-0.000 χ^2/NDF: 113.1/84

- sign -0.000+/-0.000 χ^2/NDF: 48.7/42


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 6978049.6/16
Left Out: 0.002+/-0.000 χ²/NDF:3433566.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 7656854.0/19
Left In: 0.002+/-0.000 χ²/NDF:6034225.5/22
+ sign 0.002+/-0.000 χ²/NDF: 12223587.9/41
All: 0.001+/-0.000 χ²/NDF: 27855782.1/84
- sign 0.001+/-0.000 χ²/NDF: 15299478.9/42



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

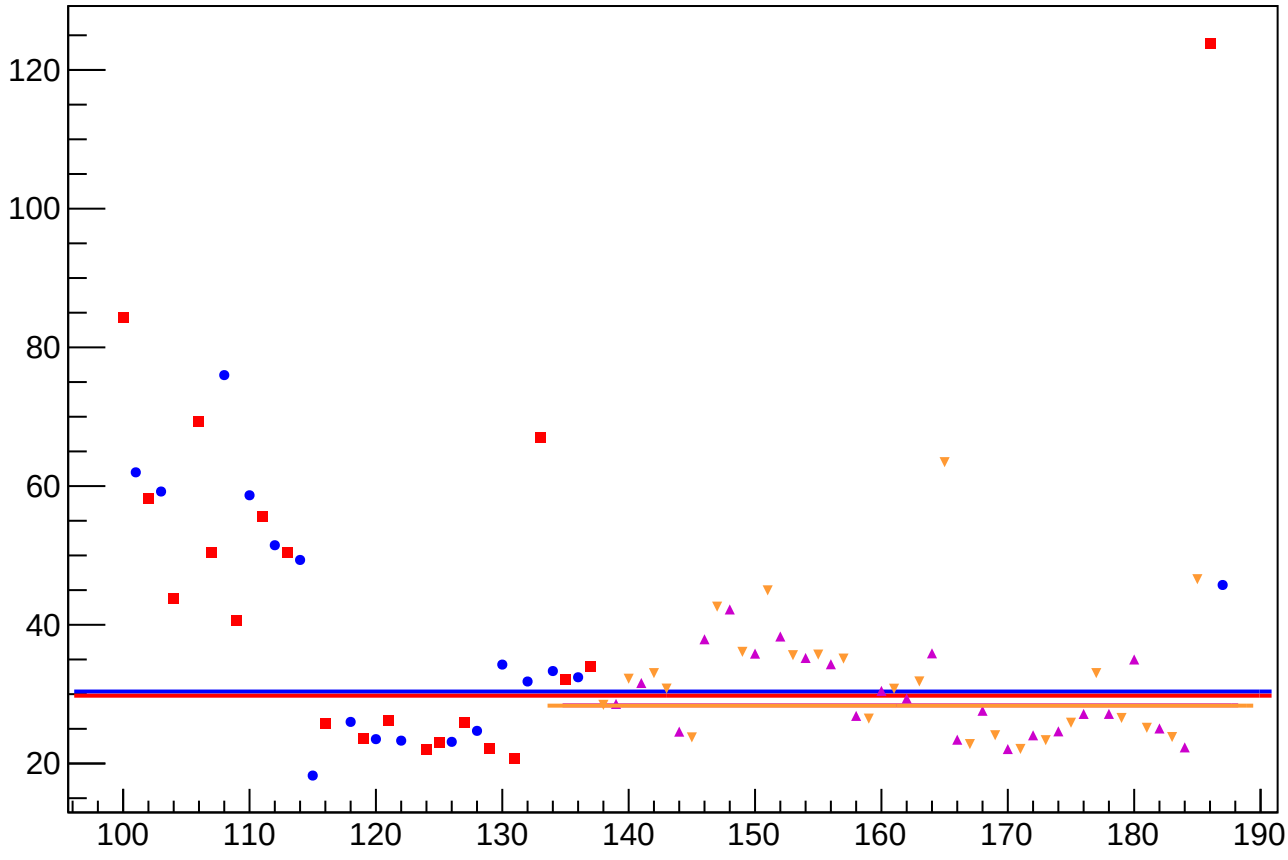
Right Out: -0.008+/-0.012 χ^2/NDF: 20.8/19

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.015+/-0.006 χ^2/NDF: 50.6/41

All: -0.007+/-0.004 χ^2/NDF: 94.6/84

- sign 0.001+/-0.006 χ^2/NDF: 40.2/42



Right In: 30.378+/-0.009 χ^2/NDF: 1726568.8/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

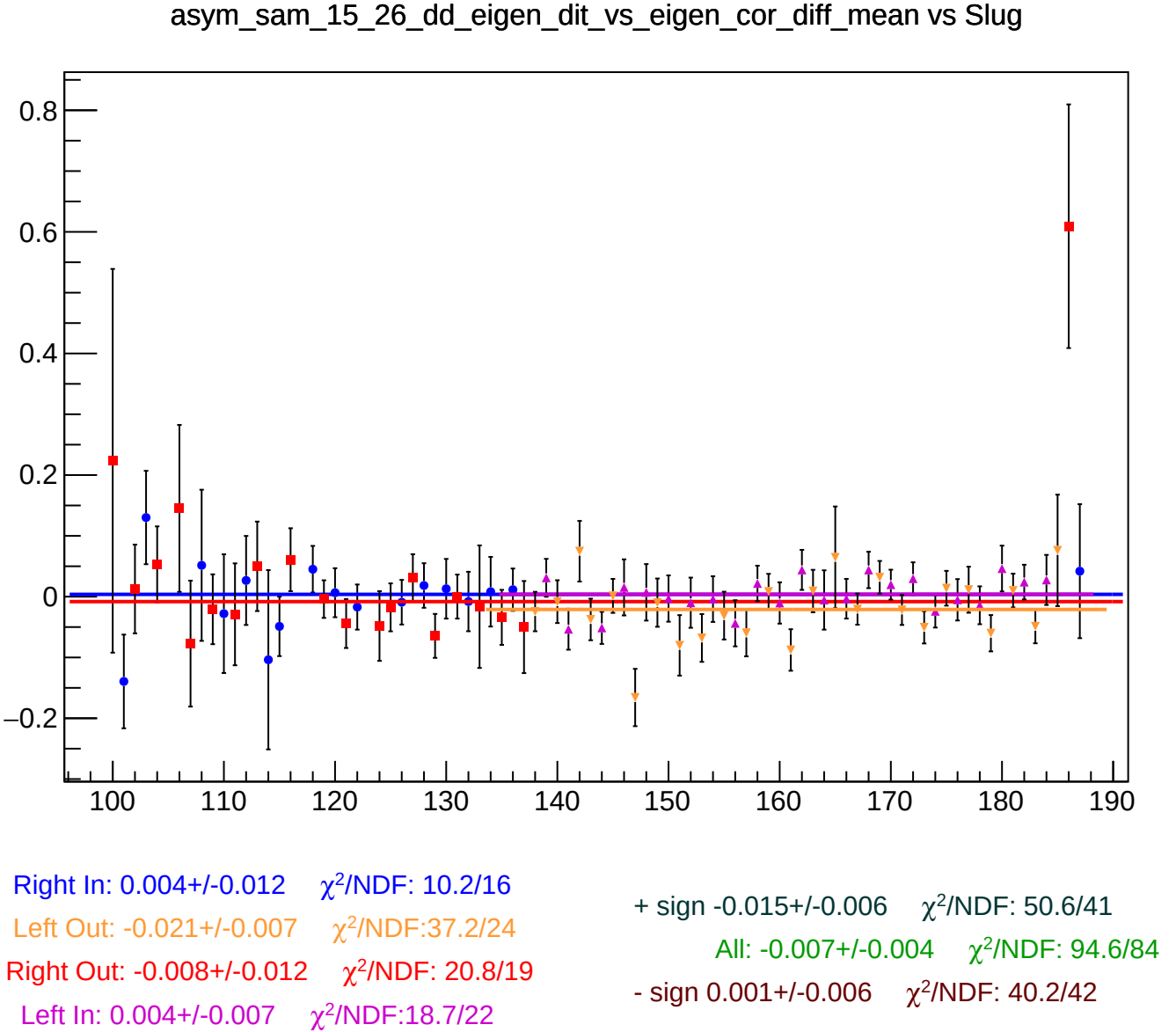
Right Out: 29.778+/-0.008 χ^2/NDF: 2290528.4/19

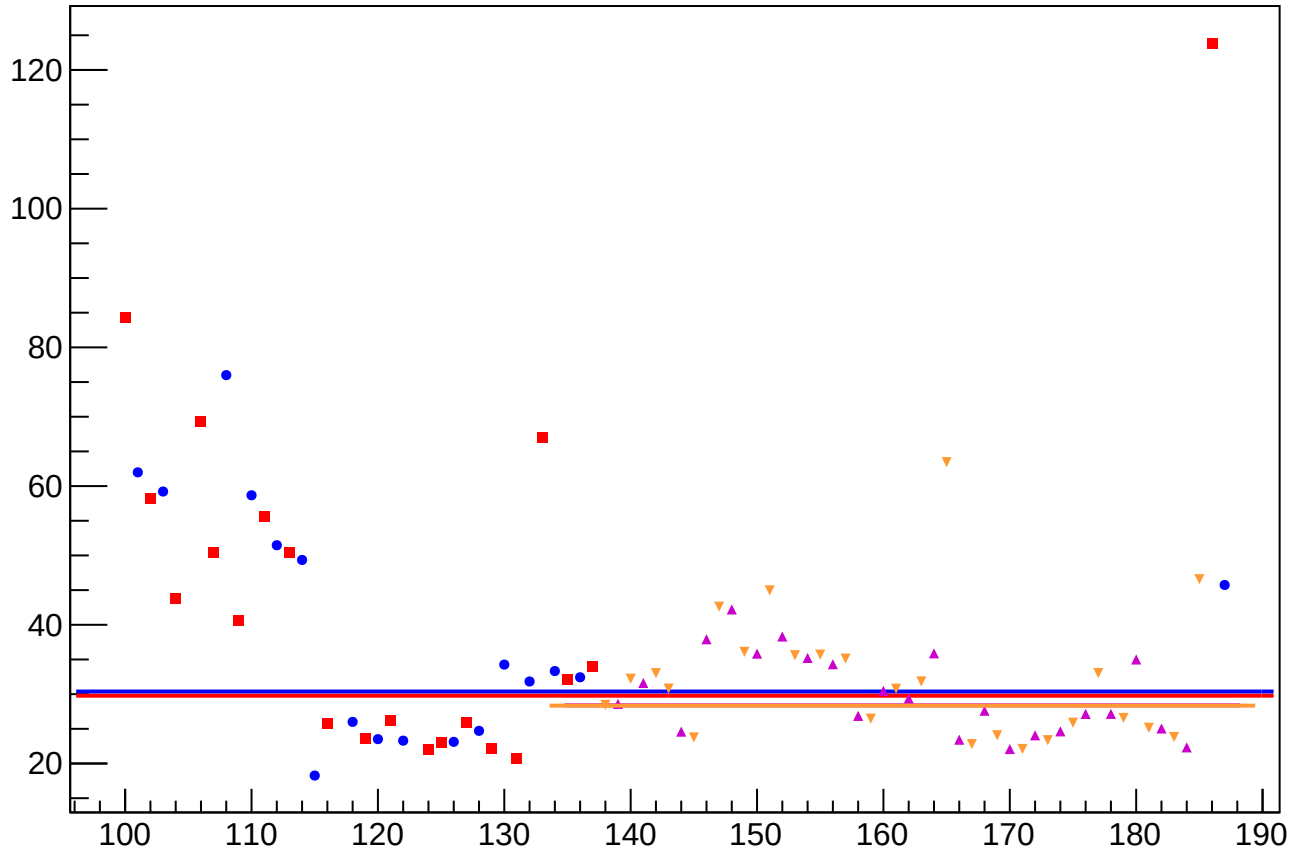
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 28.810+/-0.004 χ^2/NDF: 3503004.3/41

All: 28.776+/-0.003 χ^2/NDF: 6913231.2/84

\- sign 28.740+/-0.004 χ^2/NDF: 3410087.6/42


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.012 χ²/NDF: 10.2/16
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.008+/-0.012 χ²/NDF: 20.8/19
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.015+/-0.006 χ²/NDF: 50.6/41
All: -0.007+/-0.004 χ²/NDF: 94.6/84
- sign 0.001+/-0.006 χ²/NDF: 40.2/42



Right In: 30.378+/-0.009 χ^2/NDF: 1726568.8/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

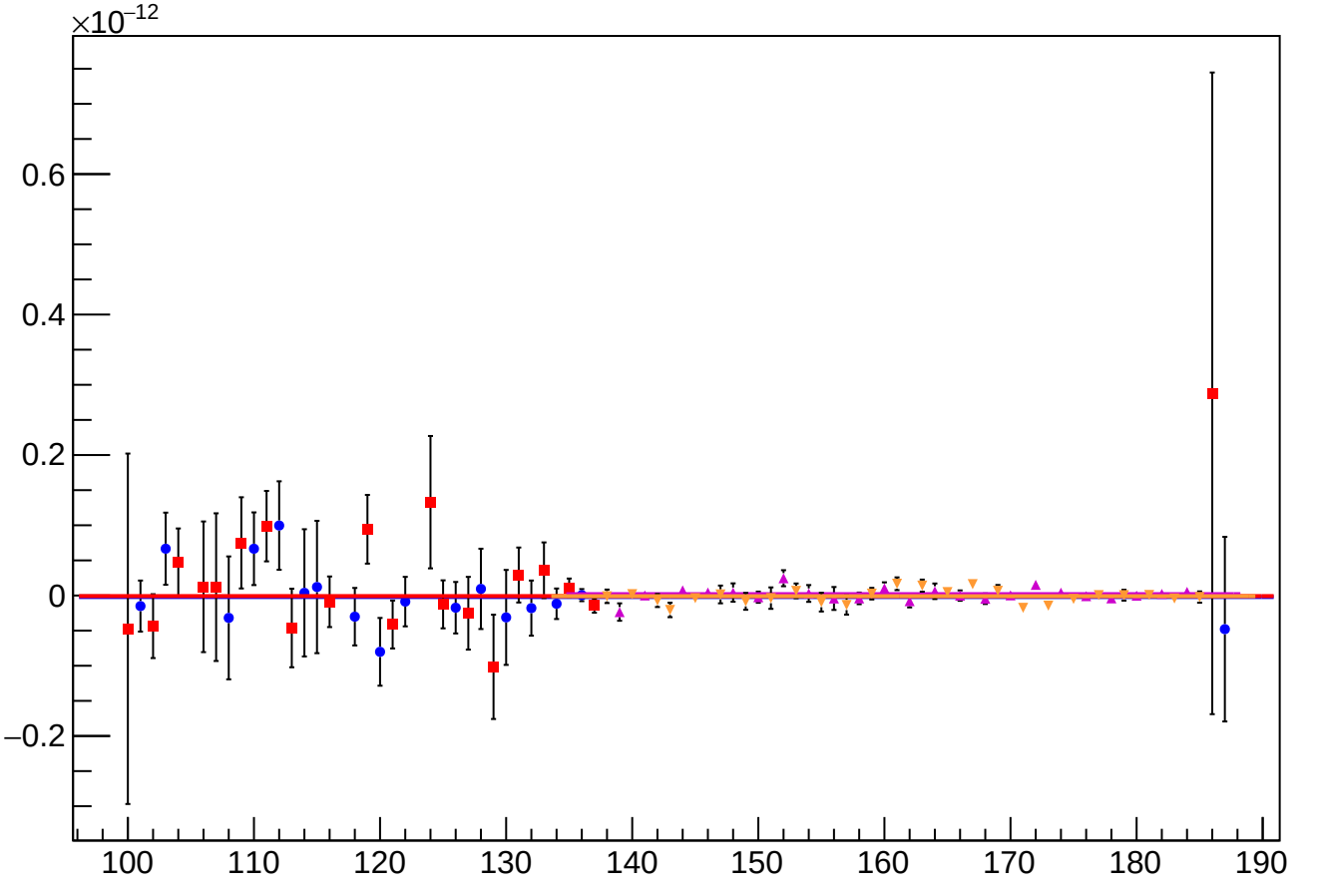
Right Out: 29.778+/-0.008 χ^2/NDF: 2290528.4/19

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

\+ sign 28.810+/-0.004 χ^2/NDF: 3503004.3/41

All: 28.776+/-0.003 χ^2/NDF: 6913231.2/84

\- sign 28.740+/-0.004 χ^2/NDF: 3410087.6/42



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

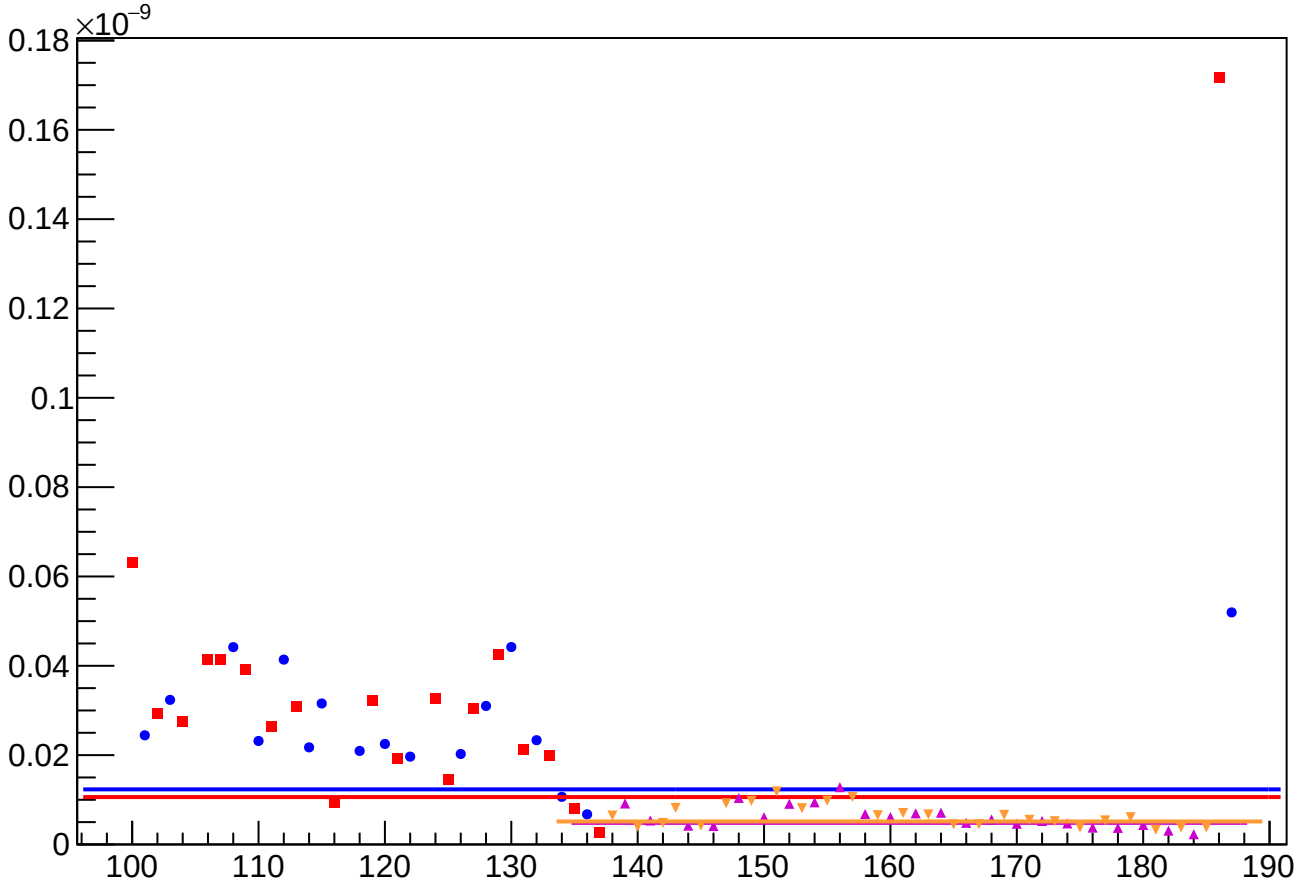
Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/19

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.7/41

All: 0.000+/-0.000 χ^2/NDF: 88.1/84

- sign 0.000+/-0.000 χ^2/NDF: 41.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 3620248.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5019031.6/19

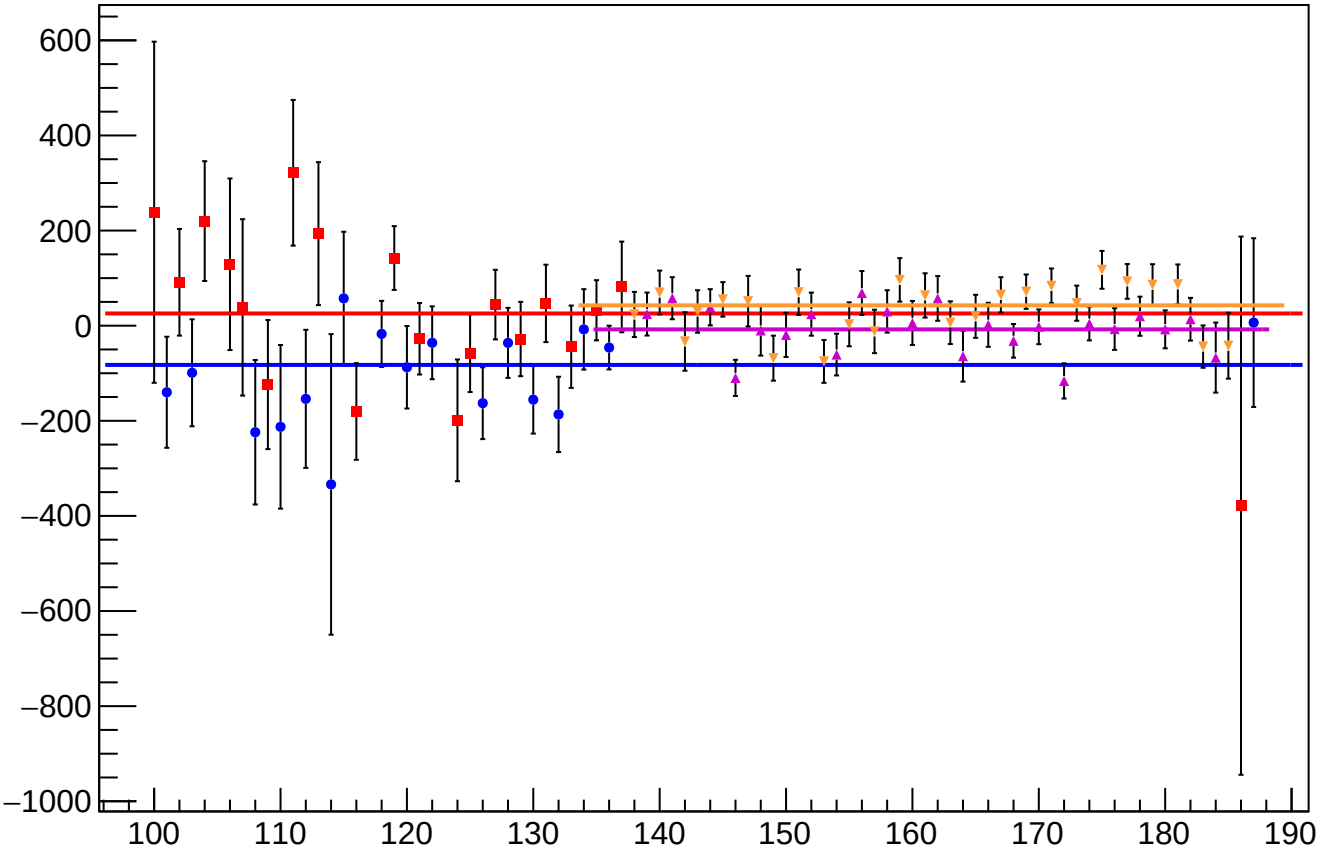
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8784048.6/41

All: 0.000+/-0.000 χ^2/NDF: 18345093.2/84

- sign 0.000+/-0.000 χ^2/NDF: 9494182.5/42

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -82.508+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 25.686+/-22.050 χ^2/NDF: 23.5/19

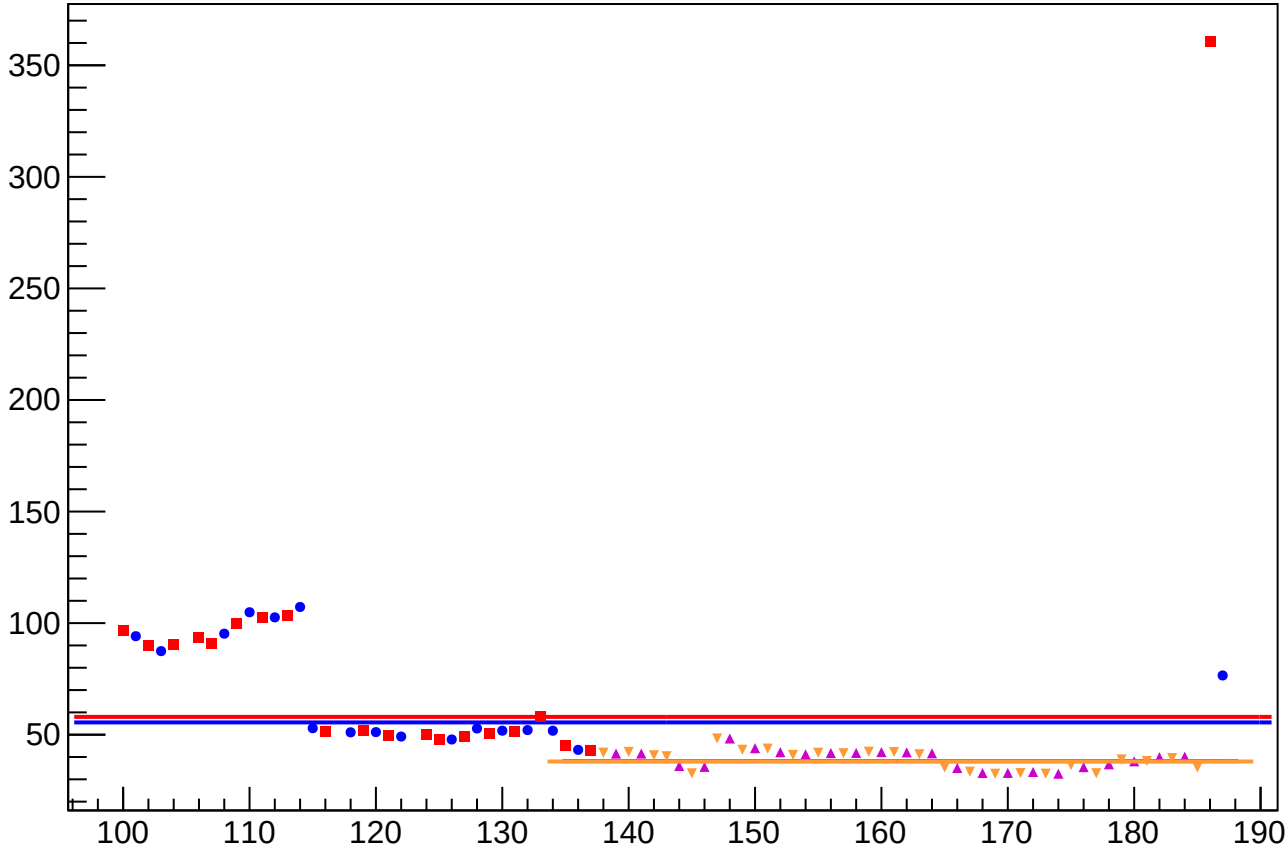
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 24.831+/-8.051 χ^2/NDF: 75.2/41

All: 11.346+/-5.783 χ^2/NDF: 137.1/84

- sign -3.027+/-8.312 χ^2/NDF: 56.1/42

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 55.505+/-0.015 χ^2/NDF: 1181135.8/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.979+/-0.016 χ^2/NDF: 1854841.5/19

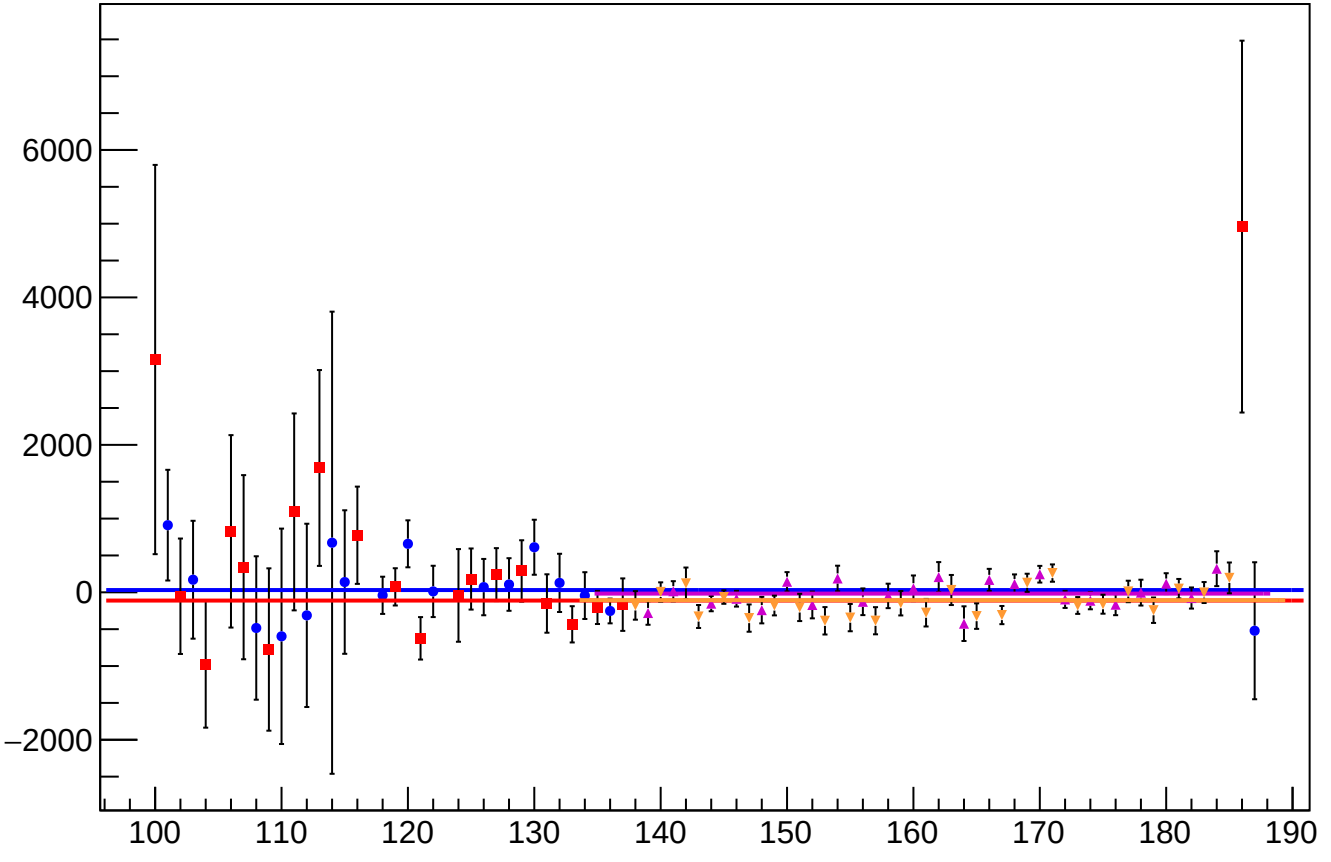
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.497+/-0.006 χ^2/NDF: 2855720.7/41

All: 40.718+/-0.004 χ^2/NDF: 6531982.3/84

- sign 40.953+/-0.006 χ^2/NDF: 3673158.3/42

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -111.842+/-95.764 χ^2/NDF: 20.1/19

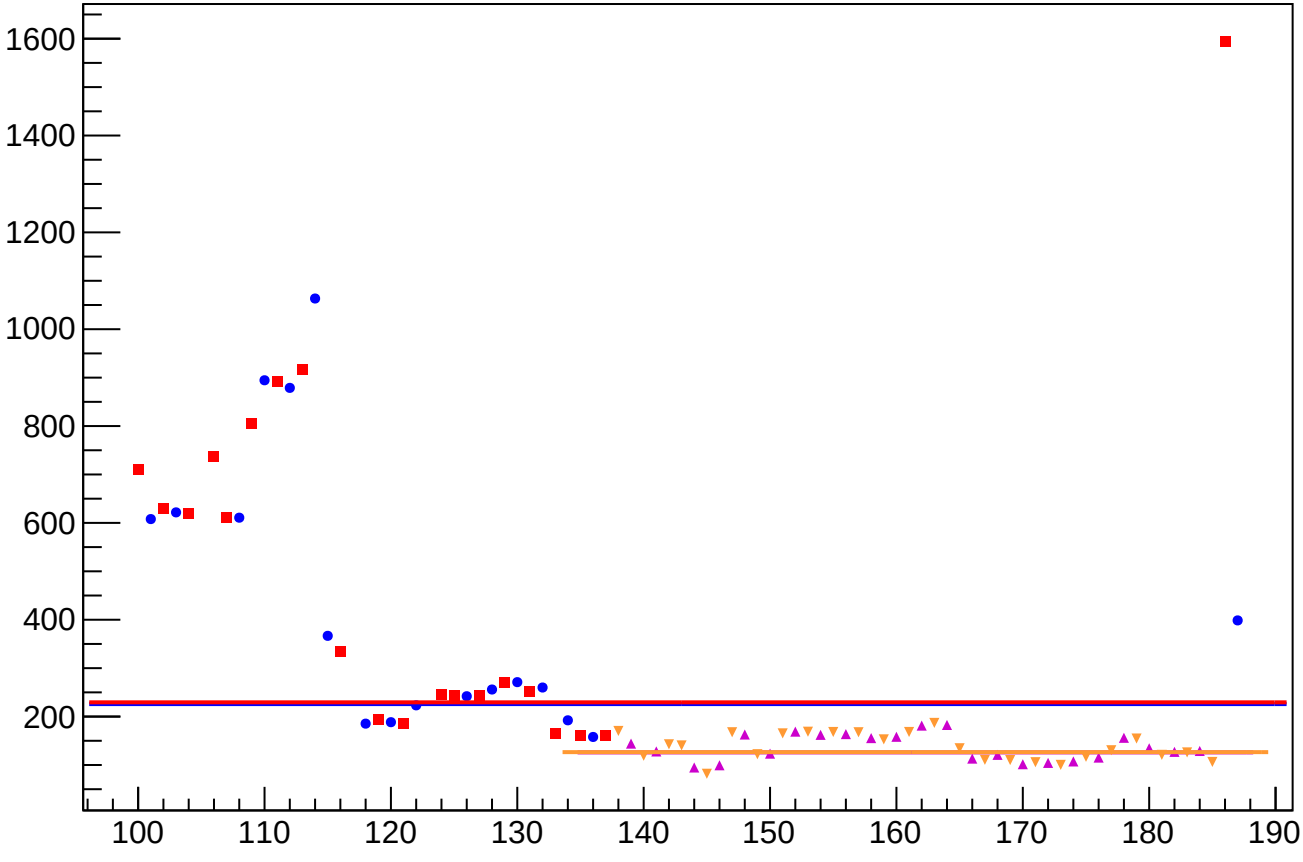
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -93.934+/-28.177 χ^2/NDF: 51.4/41

All: -60.717+/-20.137 χ^2/NDF: 103.4/84

- sign -26.041+/-28.789 χ^2/NDF: 49.2/42

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 225.795+/-0.066 χ^2/NDF: 3037963.2/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 229.421+/-0.068 χ^2/NDF: 4227108.4/19

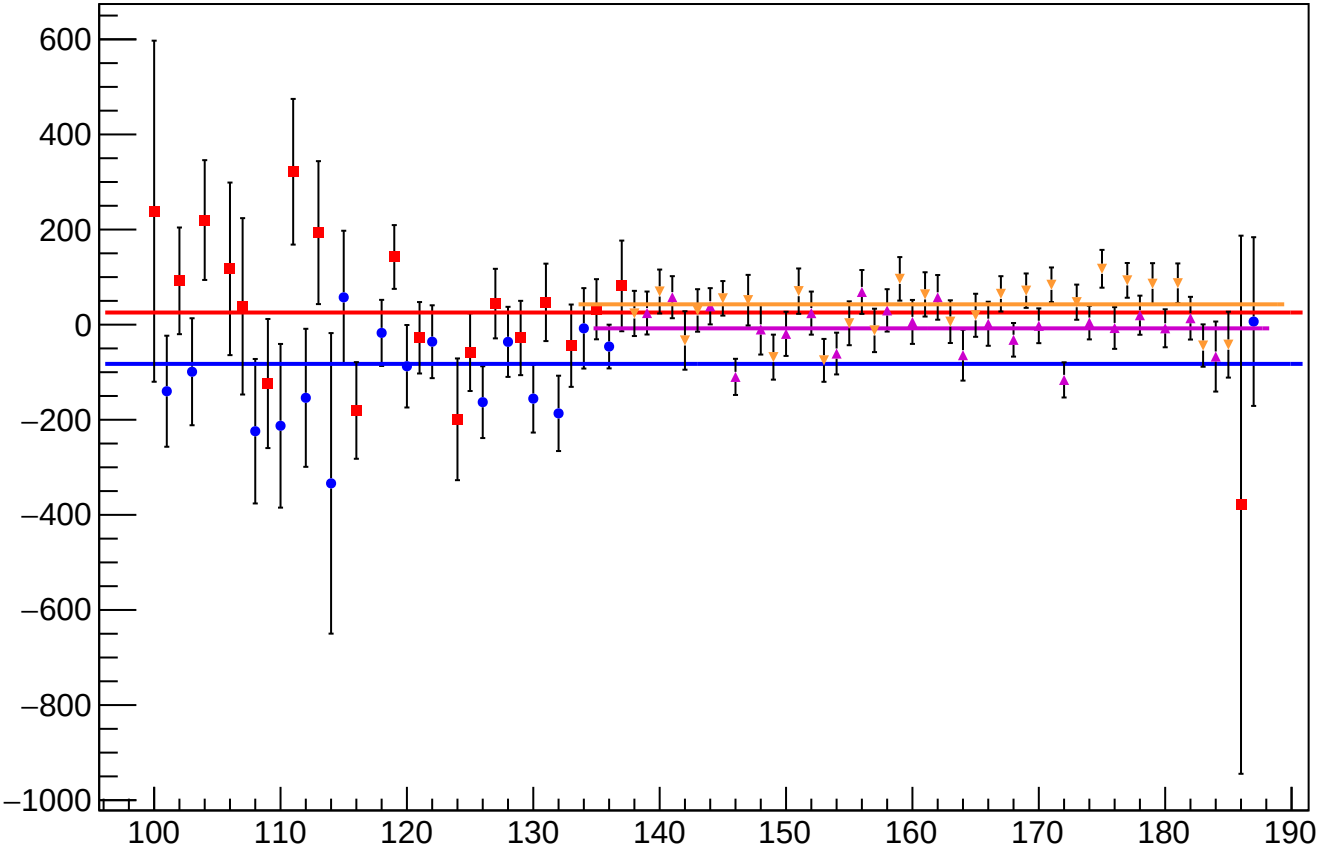
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 135.652+/-0.020 χ^2/NDF: 6860522.3/41

All: 135.508+/-0.014 χ^2/NDF: 14619647.4/84

- sign 135.359+/-0.020 χ^2/NDF: 7759019.4/42

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -82.505+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 25.527+/-22.052 χ^2/NDF: 23.4/19

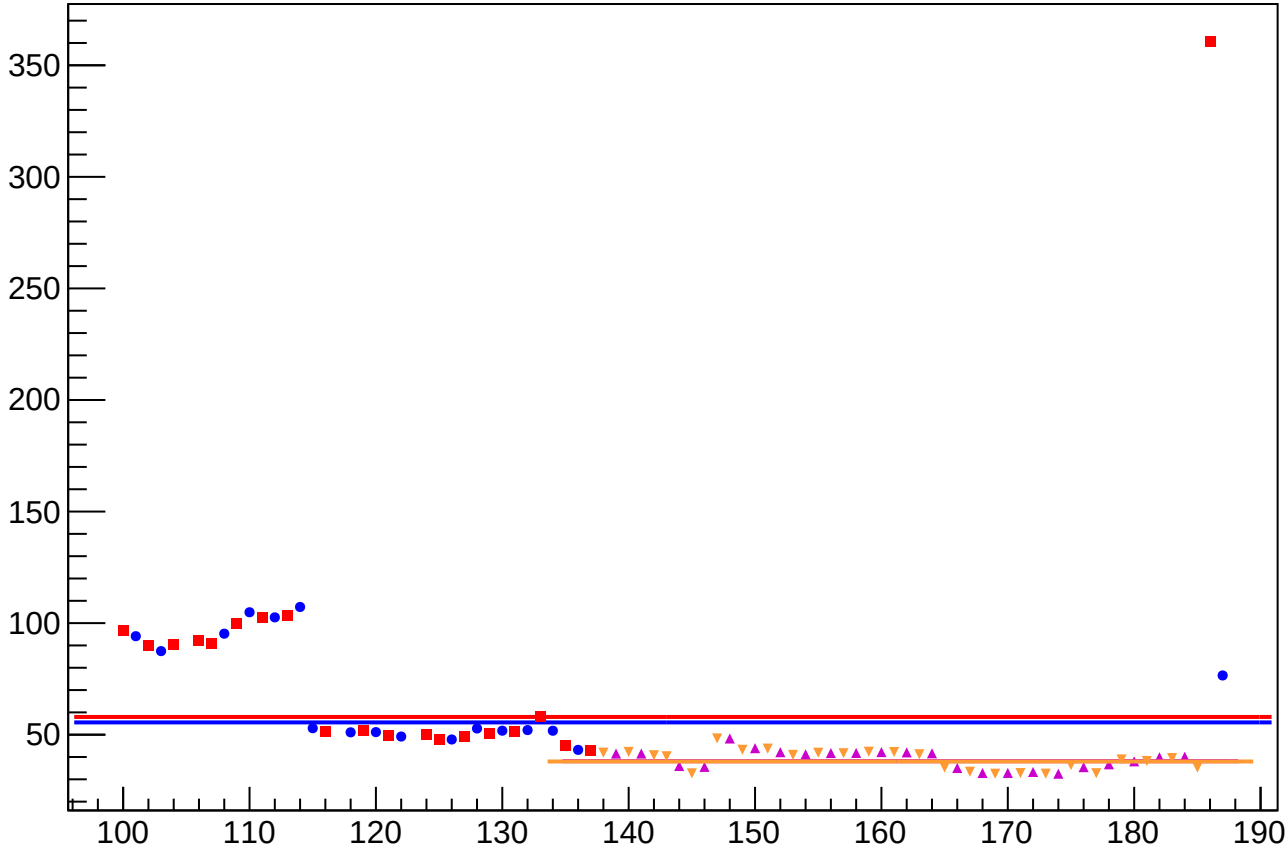
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 24.833+/-8.051 χ^2/NDF: 75.2/41

All: 11.335+/-5.783 χ^2/NDF: 137.0/84

- sign -3.052+/-8.312 χ^2/NDF: 56.0/42

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.505+/-0.015 χ^2/NDF: 1181136.1/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.951+/-0.016 χ^2/NDF: 1847544.7/19

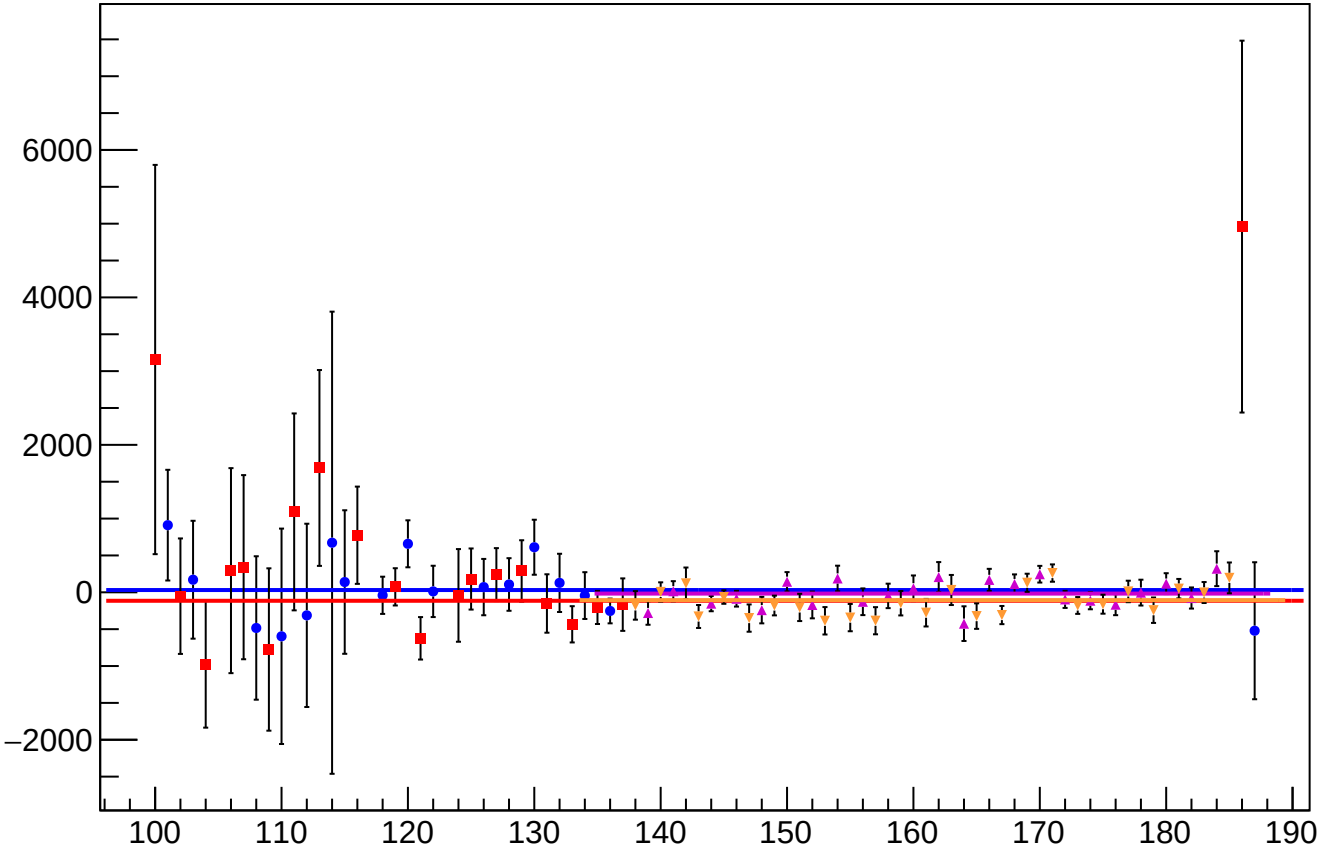
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.497+/-0.006 χ^2/NDF: 2855720.9/41

All: 40.716+/-0.004 χ^2/NDF: 6520372.8/84

- sign 40.949+/-0.006 χ^2/NDF: 3661610.2/42

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -114.956+/-95.796 χ^2/NDF: 19.6/19

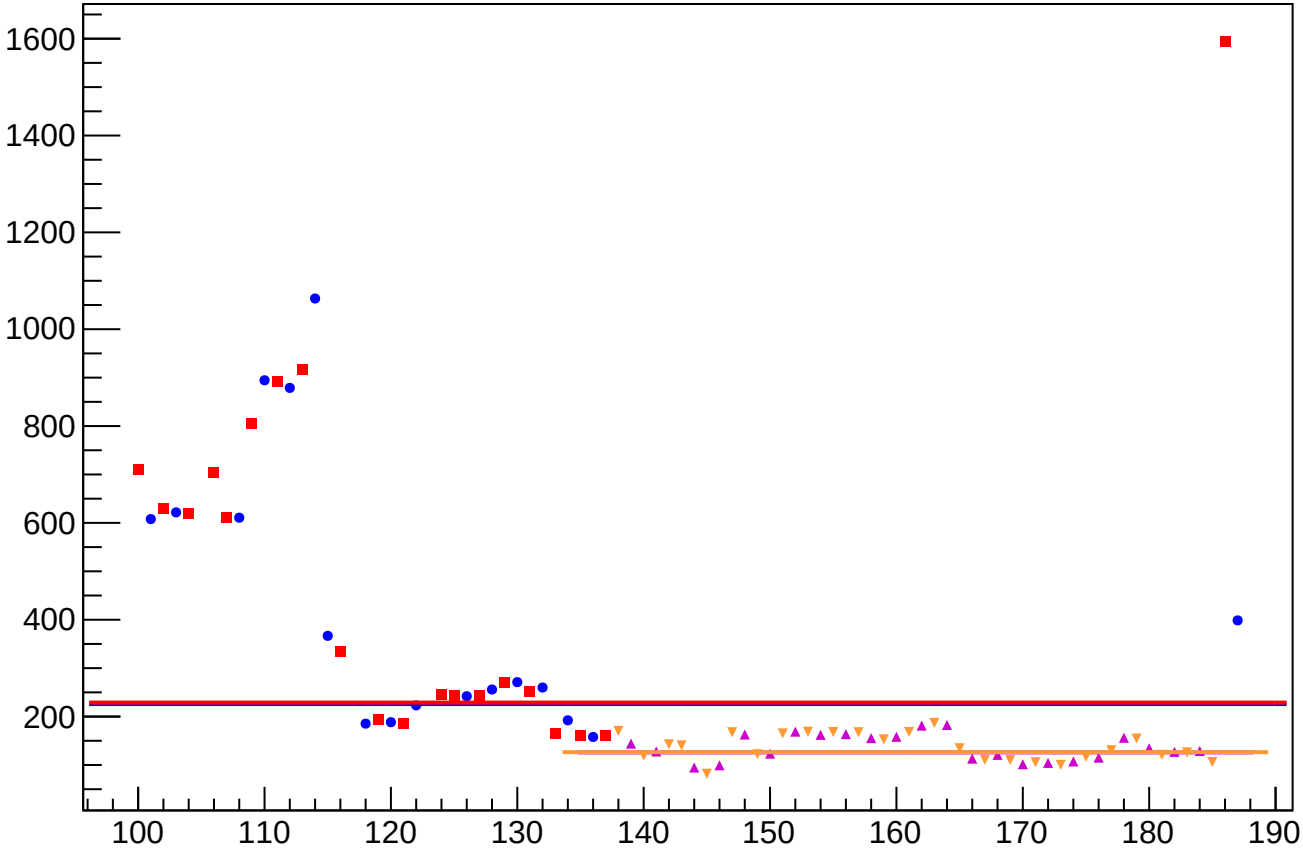
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -93.933+/-28.177 χ^2/NDF: 51.4/41

All: -60.853+/-20.137 χ^2/NDF: 103.0/84

- sign -26.318+/-28.790 χ^2/NDF: 48.8/42

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 225.795+/-0.066 χ^2/NDF: 3037968.0/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 228.944+/-0.068 χ^2/NDF: 4158832.0/19

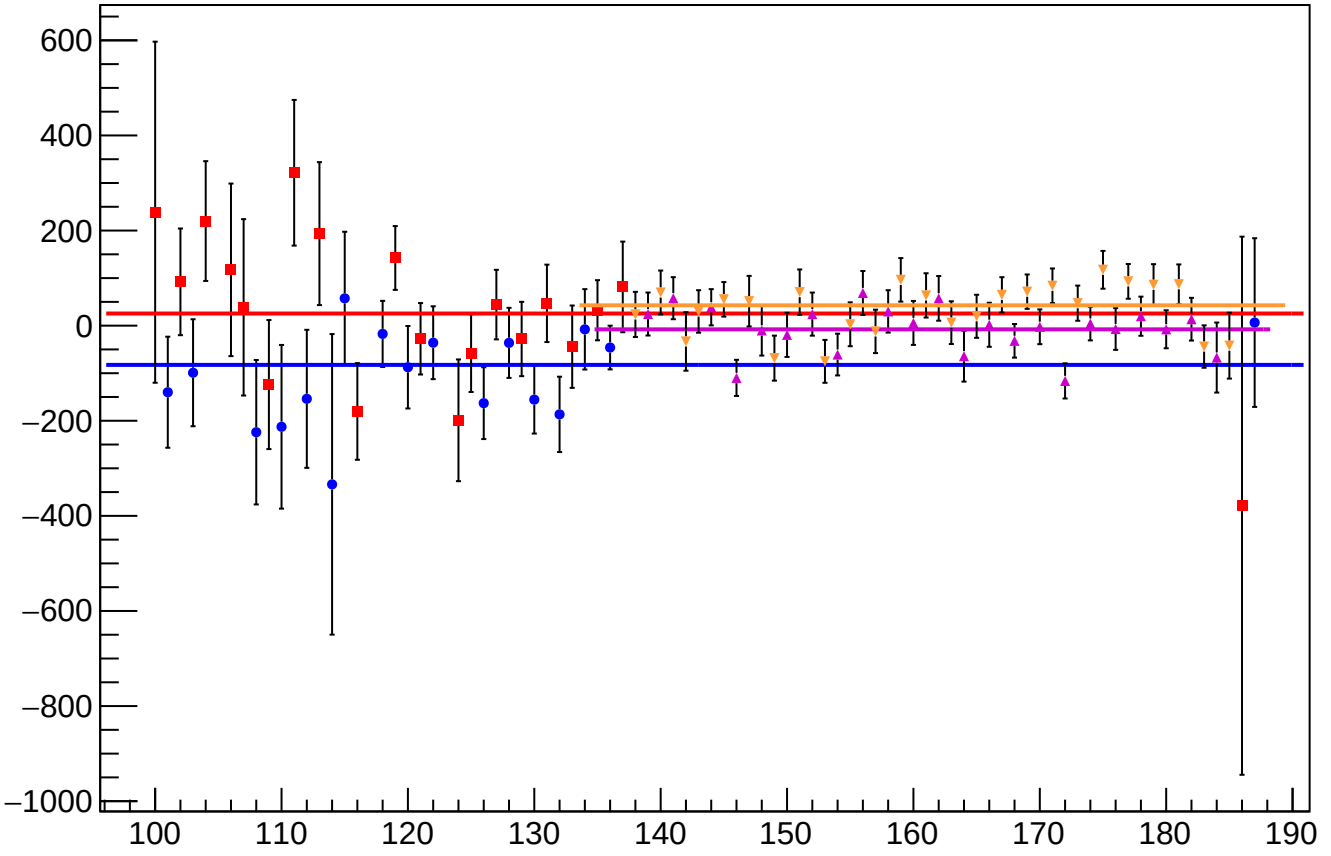
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.652+/-0.020 χ^2/NDF: 6860521.8/41

All: 135.485+/-0.014 χ^2/NDF: 14530613.6/84

- sign 135.310+/-0.020 χ^2/NDF: 7669947.8/42

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -82.505+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 25.527+/-22.052 χ^2/NDF: 23.4/19

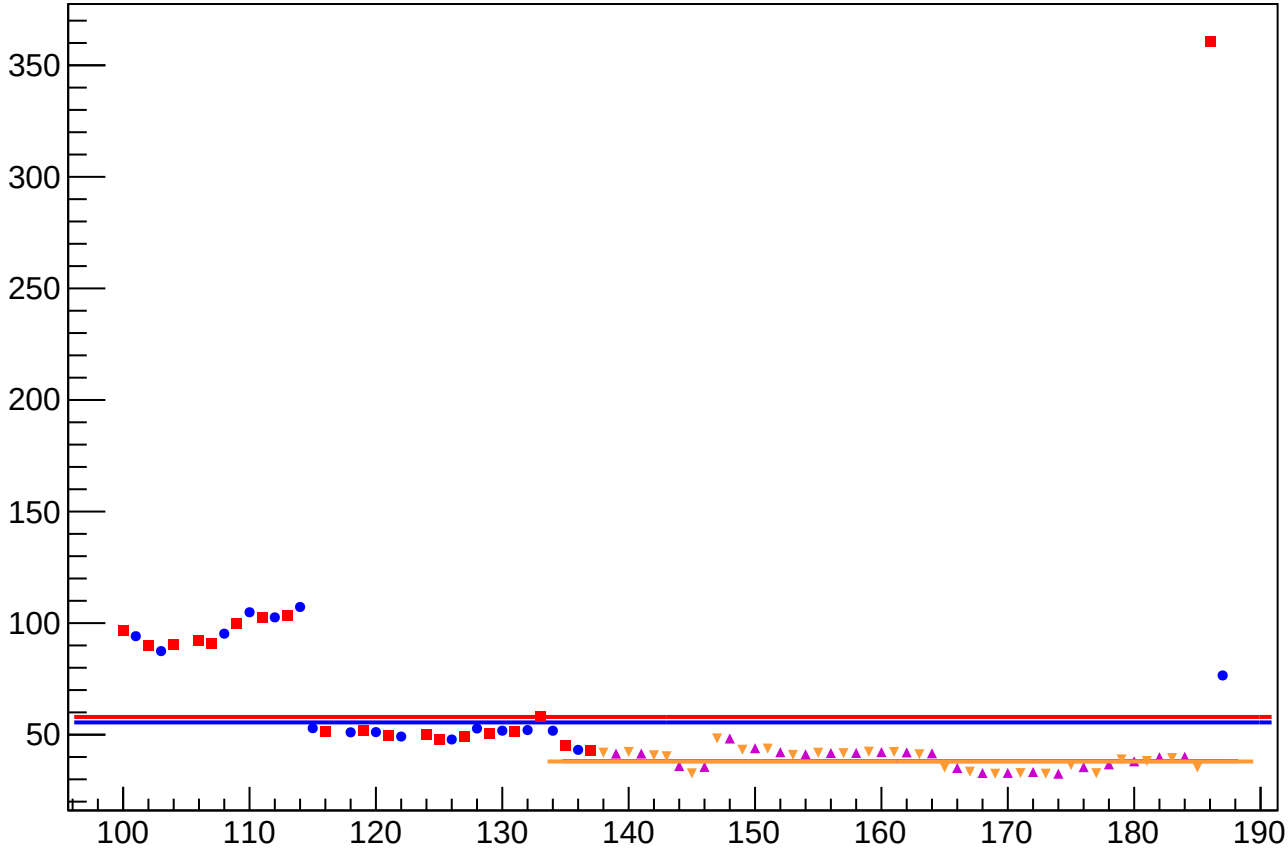
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 24.833+/-8.051 χ^2/NDF: 75.2/41

All: 11.335+/-5.783 χ^2/NDF: 137.0/84

- sign -3.052+/-8.312 χ^2/NDF: 56.0/42

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 55.505+/-0.015 χ^2/NDF: 1181136.1/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

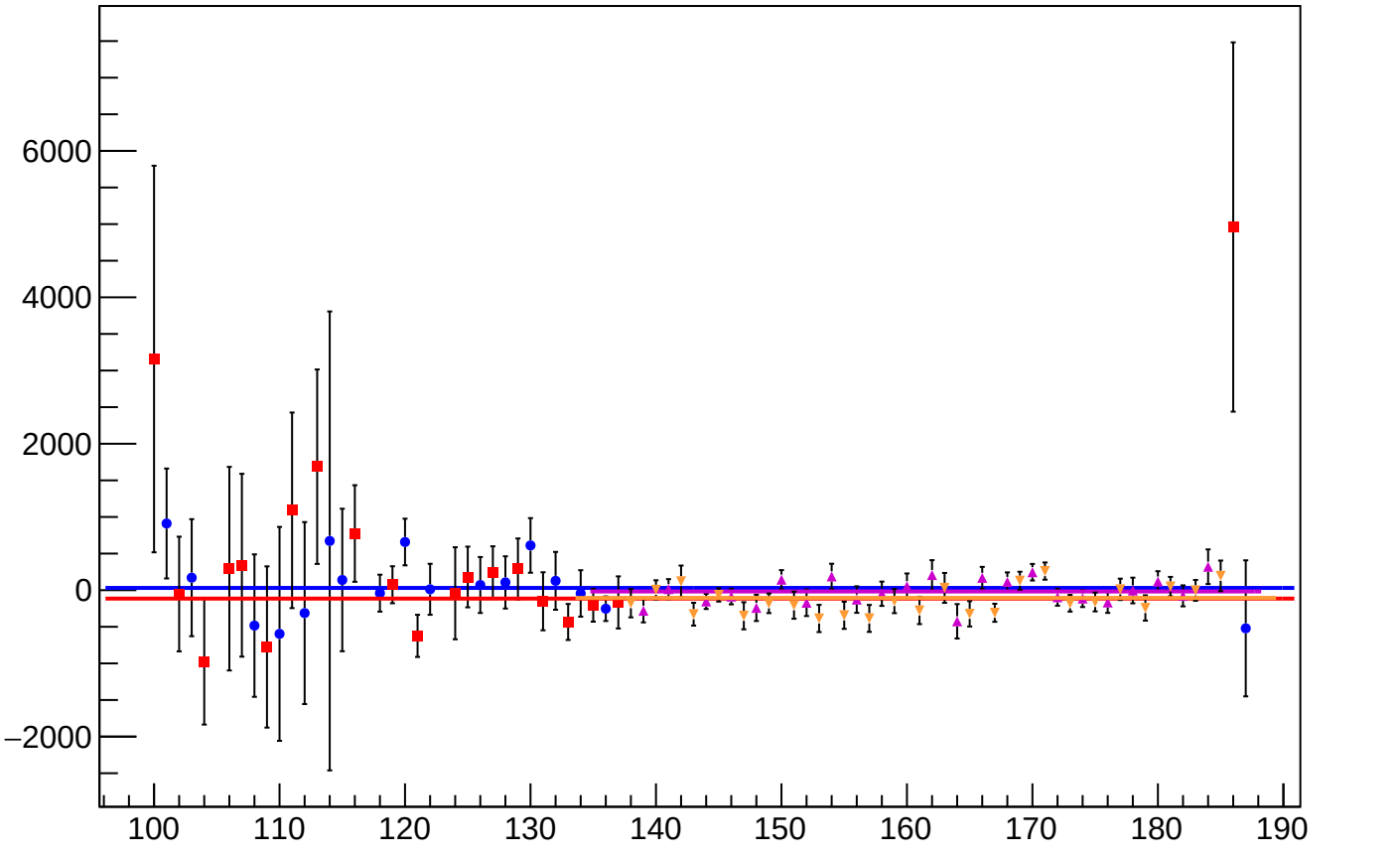
Right Out: 57.951+/-0.016 χ^2/NDF: 1847544.7/19

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 40.497+/-0.006 χ^2/NDF: 2855720.9/41

All: 40.716+/-0.004 χ^2/NDF: 6520372.8/84

- sign 40.949+/-0.006 χ^2/NDF: 3661610.2/42



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

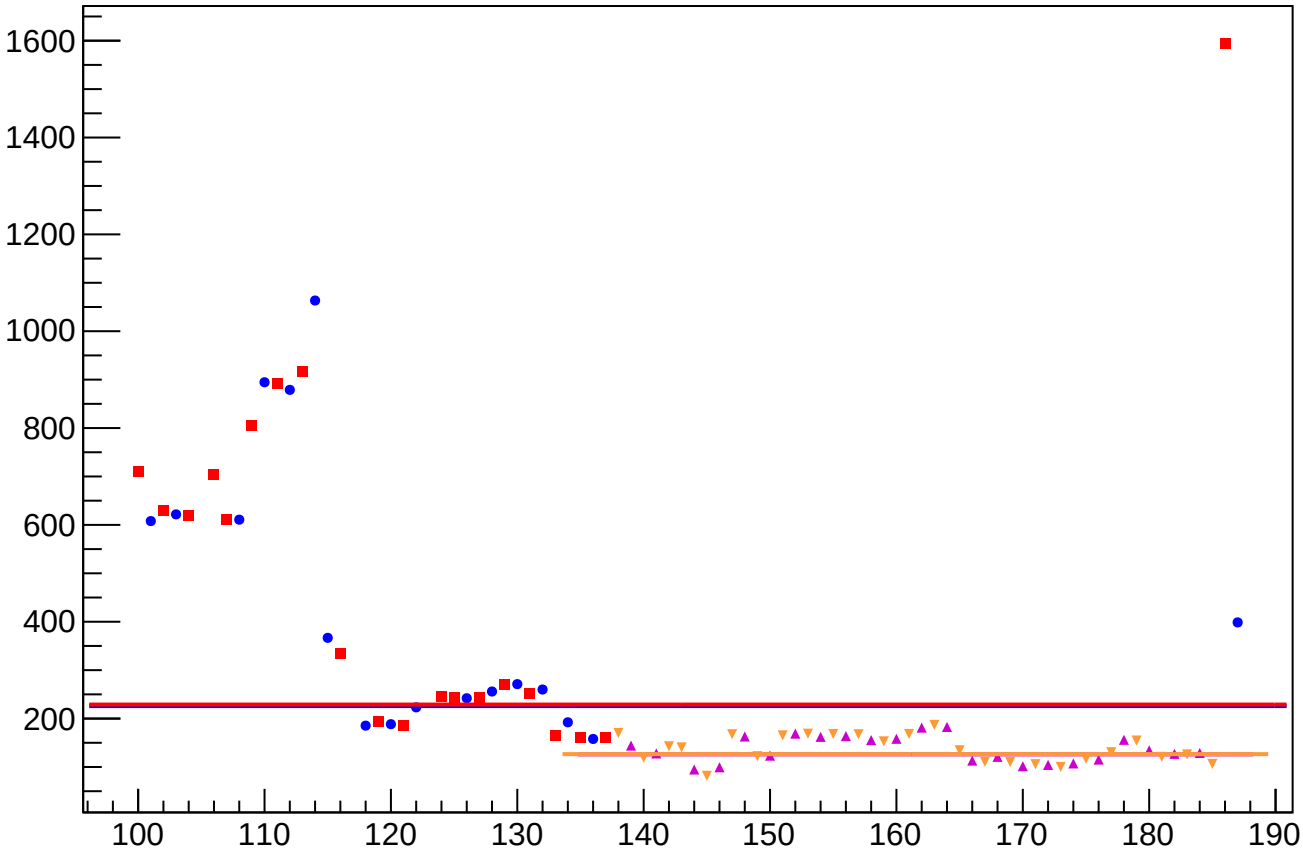
Right Out: -114.956+/-95.796 χ^2/NDF: 19.6/19

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

\+ sign -93.933+/-28.177 χ^2/NDF: 51.4/41

All: -60.853+/-20.137 χ^2/NDF: 103.0/84

\- sign -26.318+/-28.790 χ^2/NDF: 48.8/42



Right In: 225.795+/-0.066 χ^2/NDF: 3037968.0/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

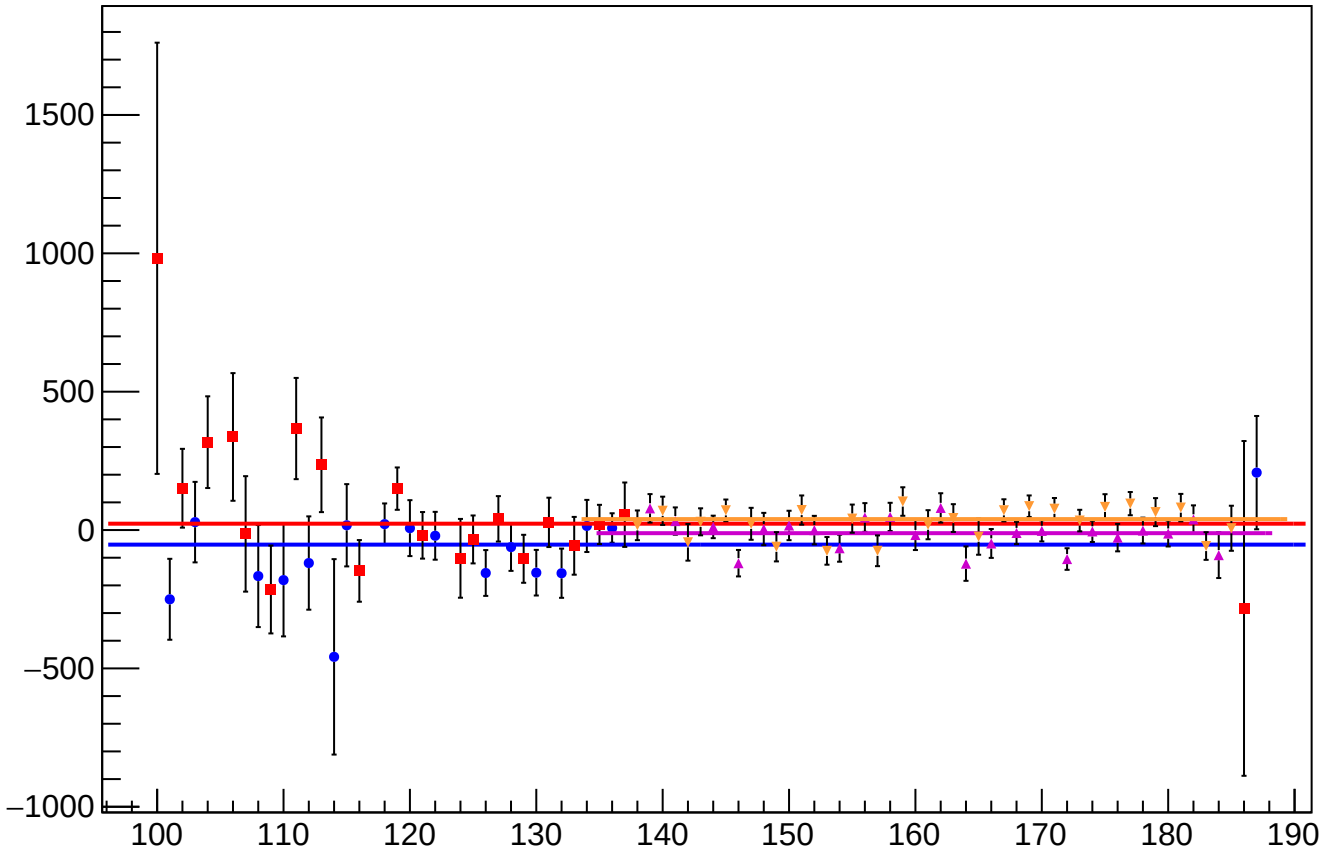
Right Out: 228.944+/-0.068 χ^2/NDF: 4158832.0/19

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 135.652+/-0.020 χ^2/NDF: 6860521.8/41

All: 135.485+/-0.014 χ^2/NDF: 14530613.6/84

- sign 135.310+/-0.020 χ^2/NDF: 7669947.8/42



Right In: -52.690+/-24.315 χ^2/NDF: 13.9/16

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 22.966+/-25.139 χ^2/NDF: 24.3/19

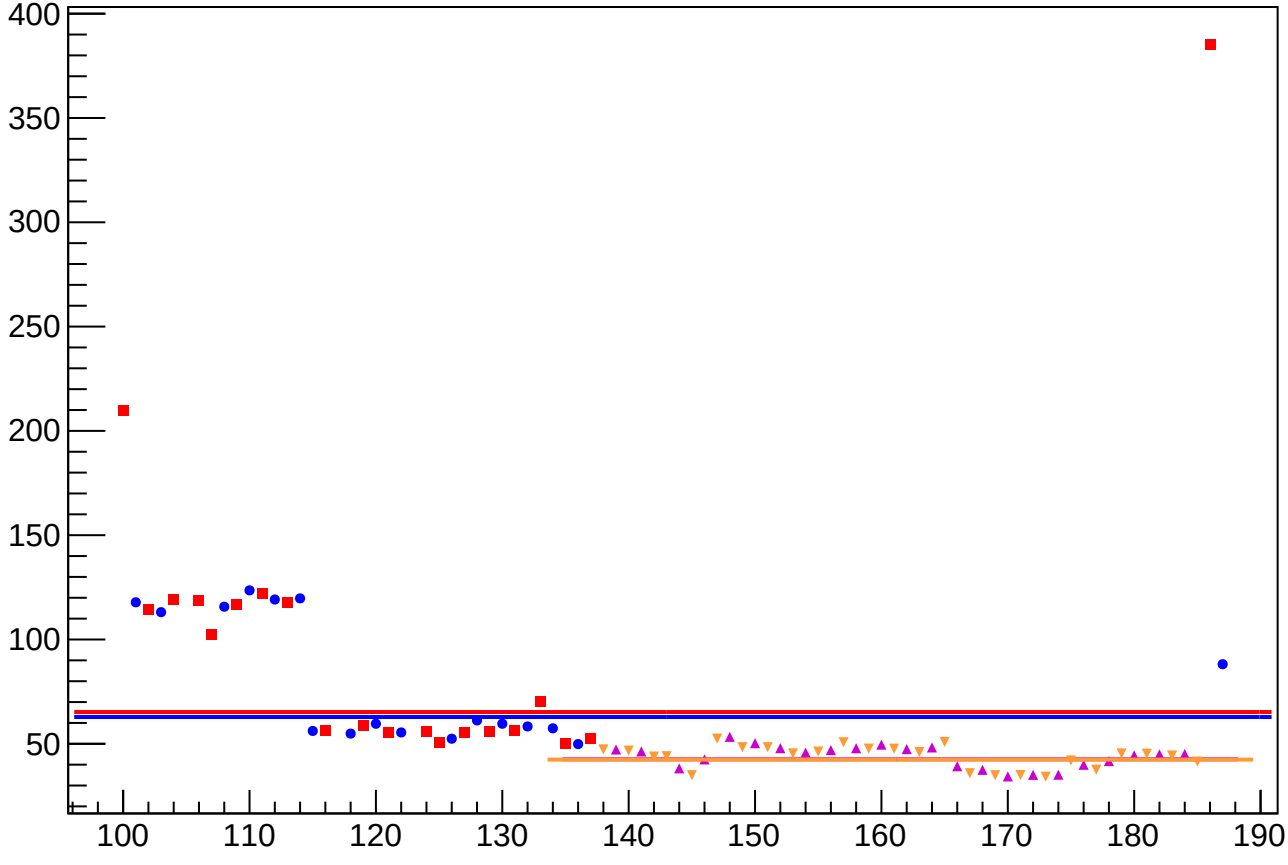
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.796+/-9.046 χ^2/NDF: 55.9/41

All: 10.675+/-6.502 χ^2/NDF: 116.3/84

- sign -6.561+/-9.354 χ^2/NDF: 53.9/42

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.836+/-0.017 χ^2/NDF: 1379237.5/16

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.234+/-0.018 χ^2/NDF: 2150962.1/19

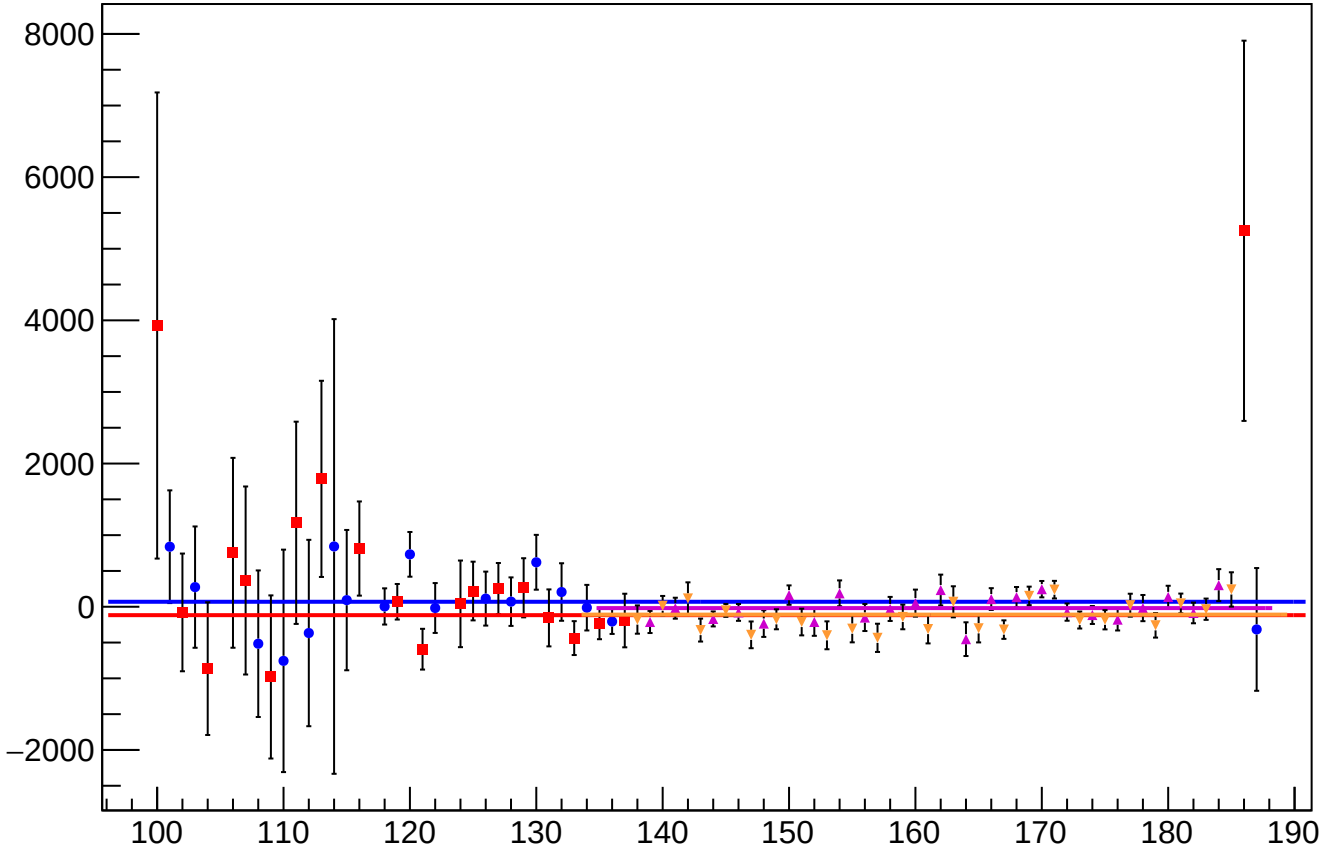
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 45.251+/-0.006 χ^2/NDF: 3292143.0/41

All: 45.475+/-0.005 χ^2/NDF: 7434981.1/84

- sign 45.715+/-0.007 χ^2/NDF: 4140289.8/42

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: 69.601+/-93.923 χ^2/NDF: 11.4/16

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -117.378+/-94.605 χ^2/NDF: 20.4/19

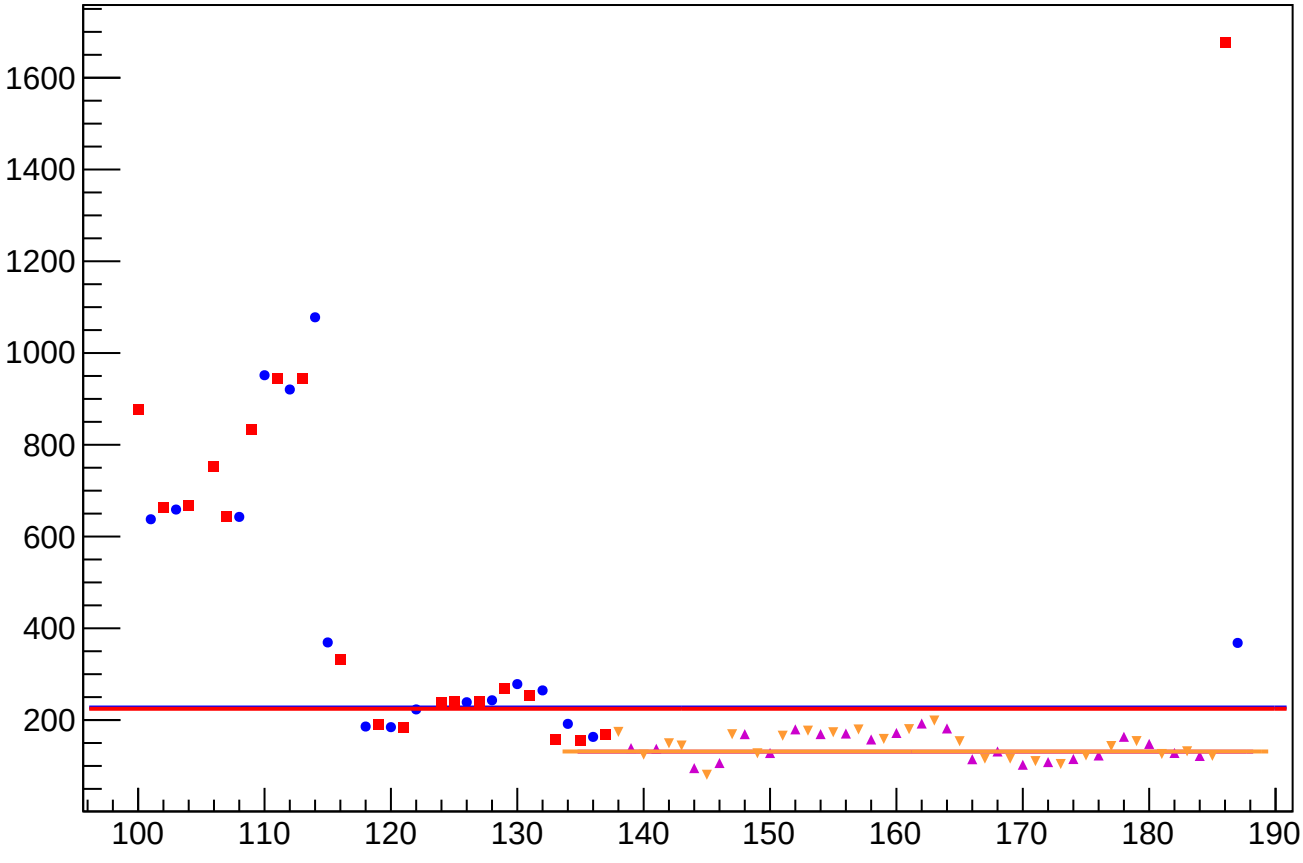
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -92.486+/-29.231 χ^2/NDF: 51.0/41

All: -61.259+/-20.891 χ^2/NDF: 101.9/84

- sign -28.659+/-29.867 χ^2/NDF: 48.6/42

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 227.326+/-0.066 χ^2/NDF: 3080658.0/16

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 224.632+/-0.067 χ^2/NDF: 4447117.4/19

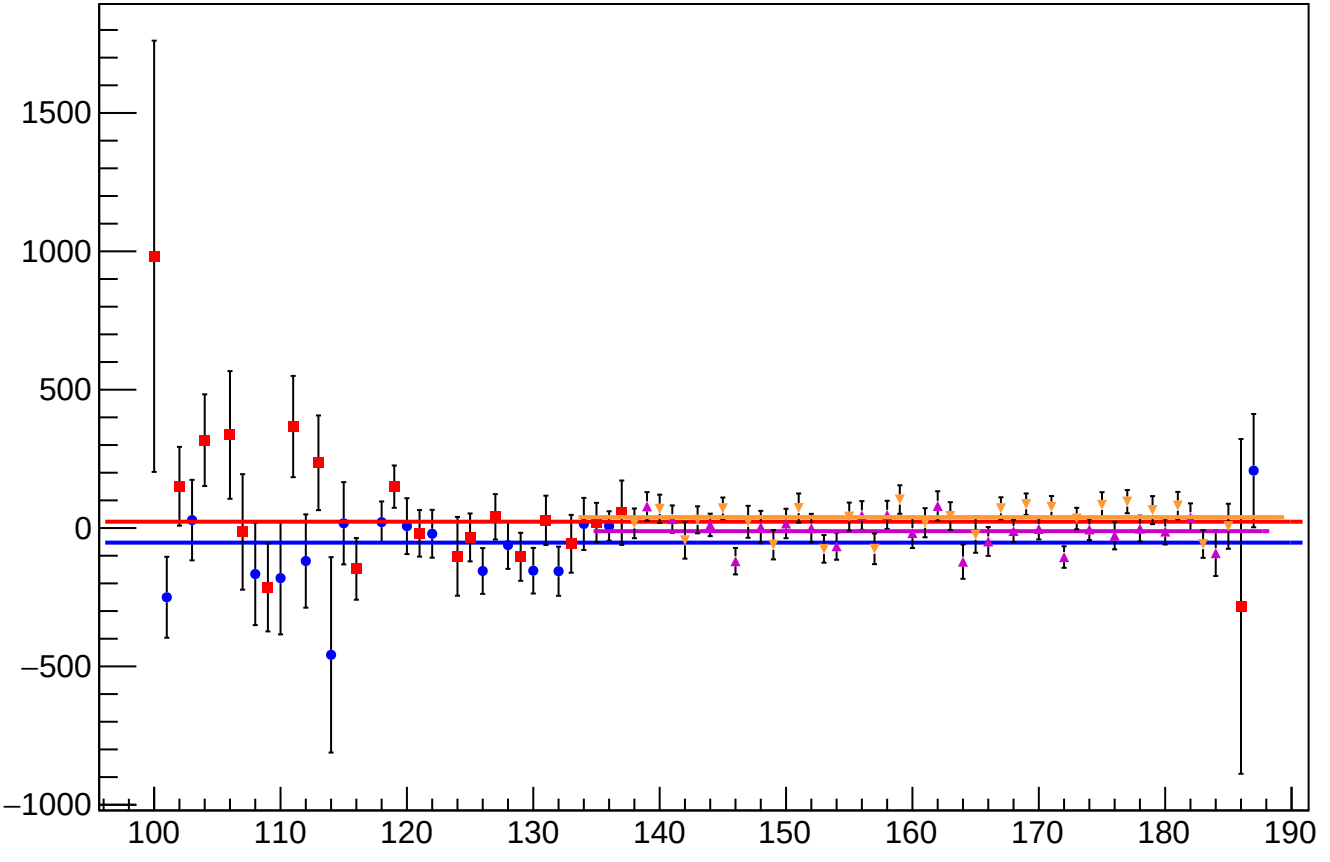
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 140.795+/-0.021 χ^2/NDF: 6863222.0/41

All: 140.601+/-0.015 χ^2/NDF: 14539349.9/84

- sign 140.398+/-0.021 χ^2/NDF: 7675947.6/42

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -52.691+/-24.315 χ^2/NDF: 13.9/16

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 22.969+/-25.139 χ^2/NDF: 24.3/19

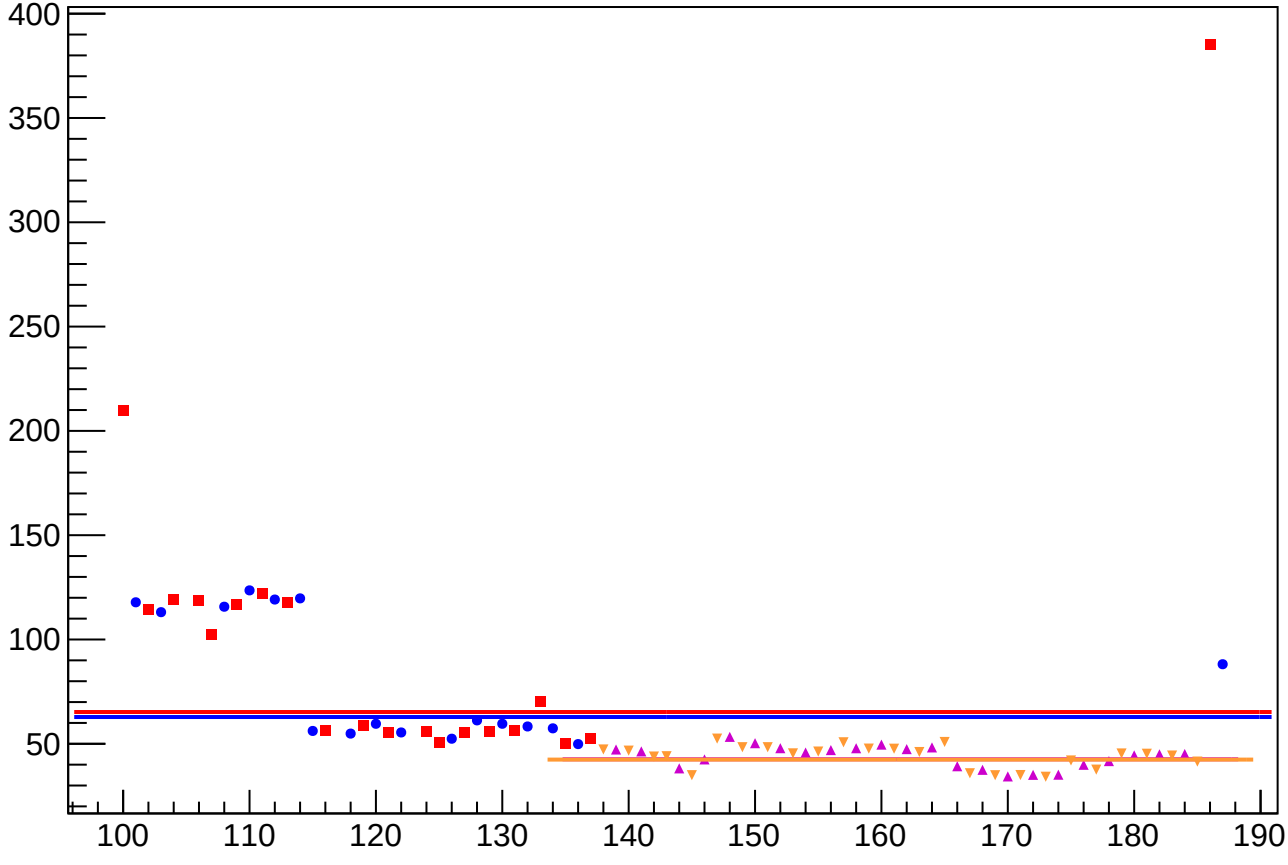
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 26.796+/-9.046 χ^2/NDF: 55.9/41

All: 10.676+/-6.502 χ^2/NDF: 116.3/84

- sign -6.561+/-9.354 χ^2/NDF: 53.9/42

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.836+/-0.017 χ^2/NDF: 1379220.9/16

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

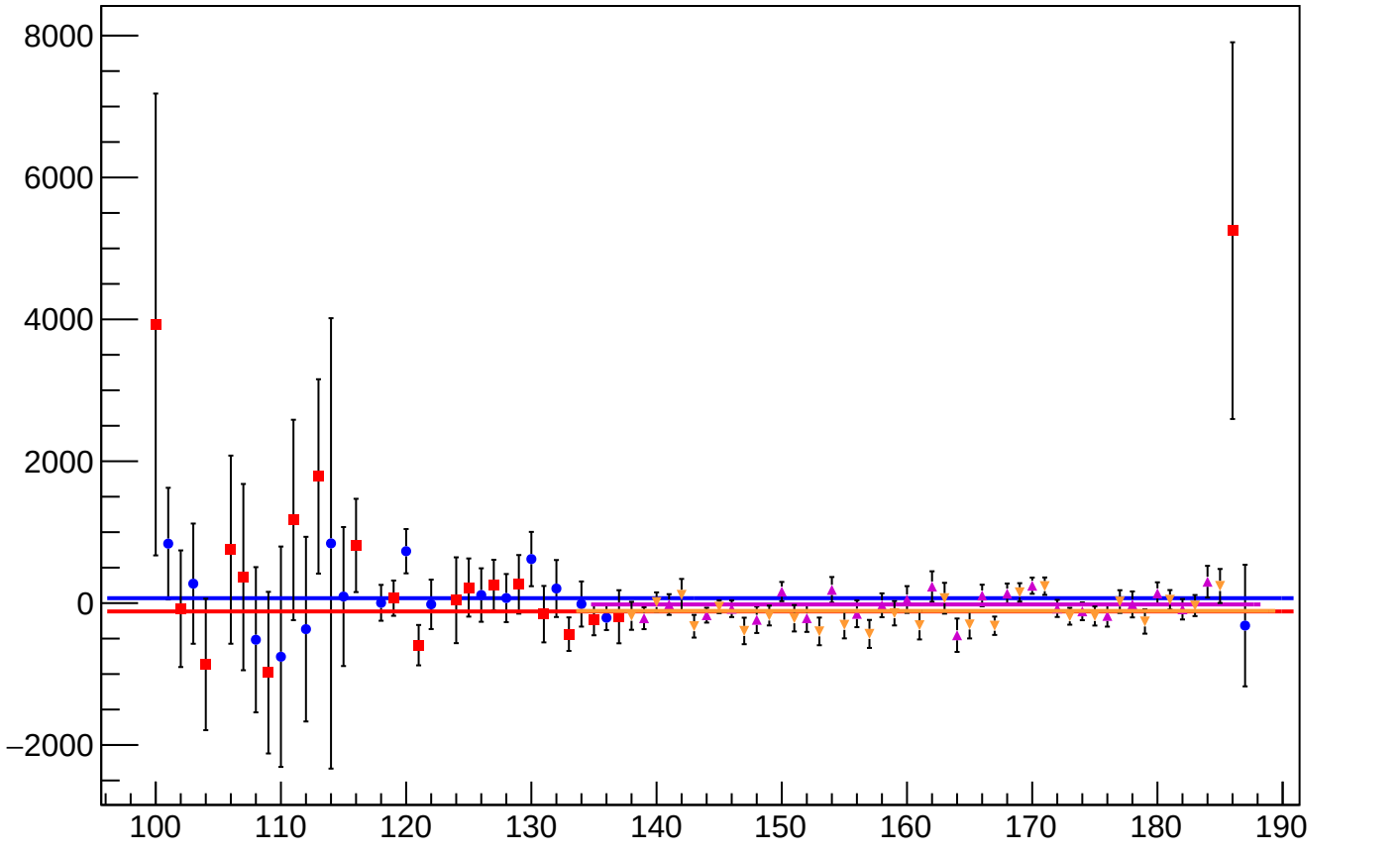
Right Out: 65.234+/-0.018 χ^2/NDF: 2150942.6/19

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 45.251+/-0.006 χ^2/NDF: 3292102.6/41

All: 45.475+/-0.005 χ^2/NDF: 7434893.8/84

- sign 45.715+/-0.007 χ^2/NDF: 4140241.9/42



Right In: 69.602+/-93.923 χ^2/NDF: 11.4/16

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

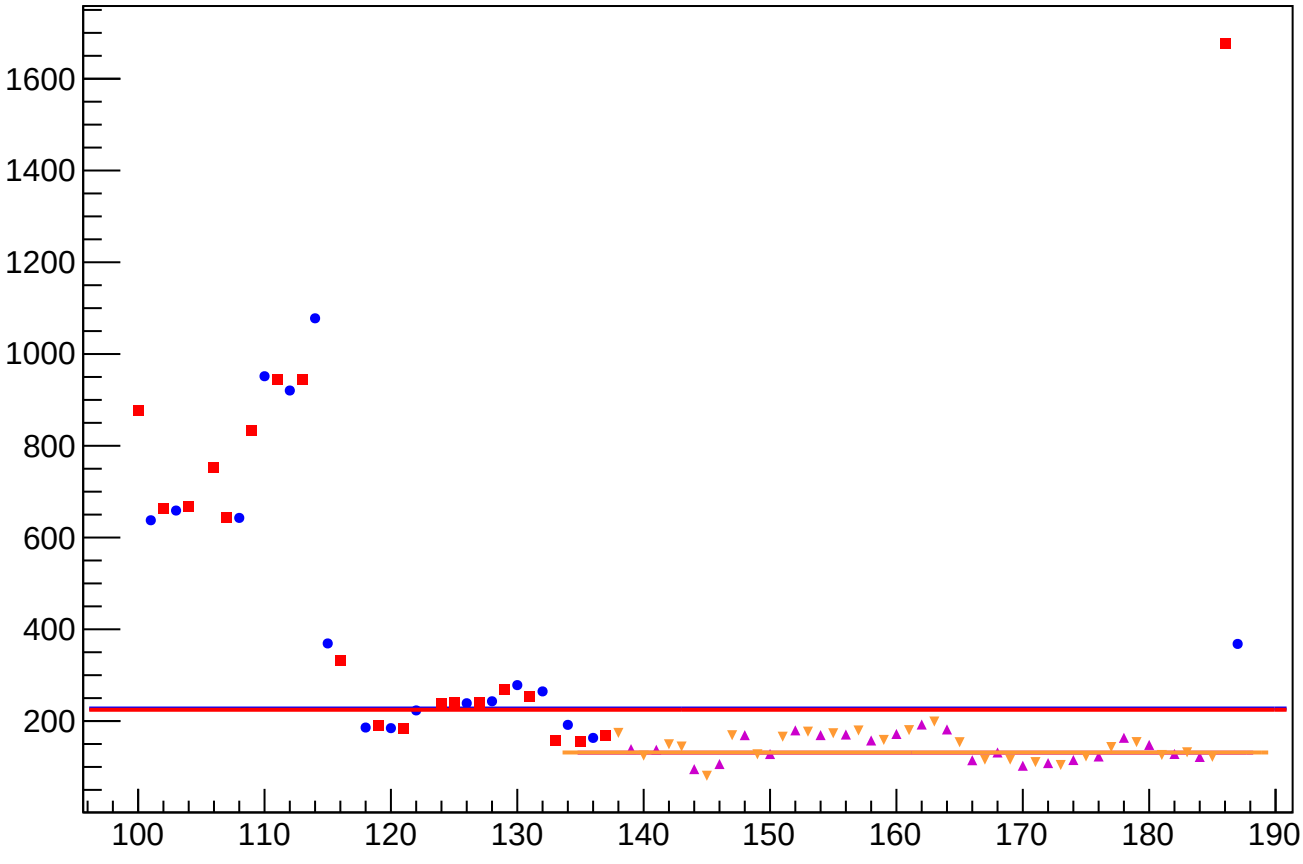
Right Out: -117.376+/-94.605 χ^2/NDF: 20.4/19

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -92.485+/-29.231 χ^2/NDF: 51.0/41

All: -61.259+/-20.891 χ^2/NDF: 101.9/84

- sign -28.659+/-29.867 χ^2/NDF: 48.6/42



Right In: 227.326+/-0.066 χ^2/NDF: 3080643.3/16

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 224.632+/-0.067 χ^2/NDF: 4447097.6/19

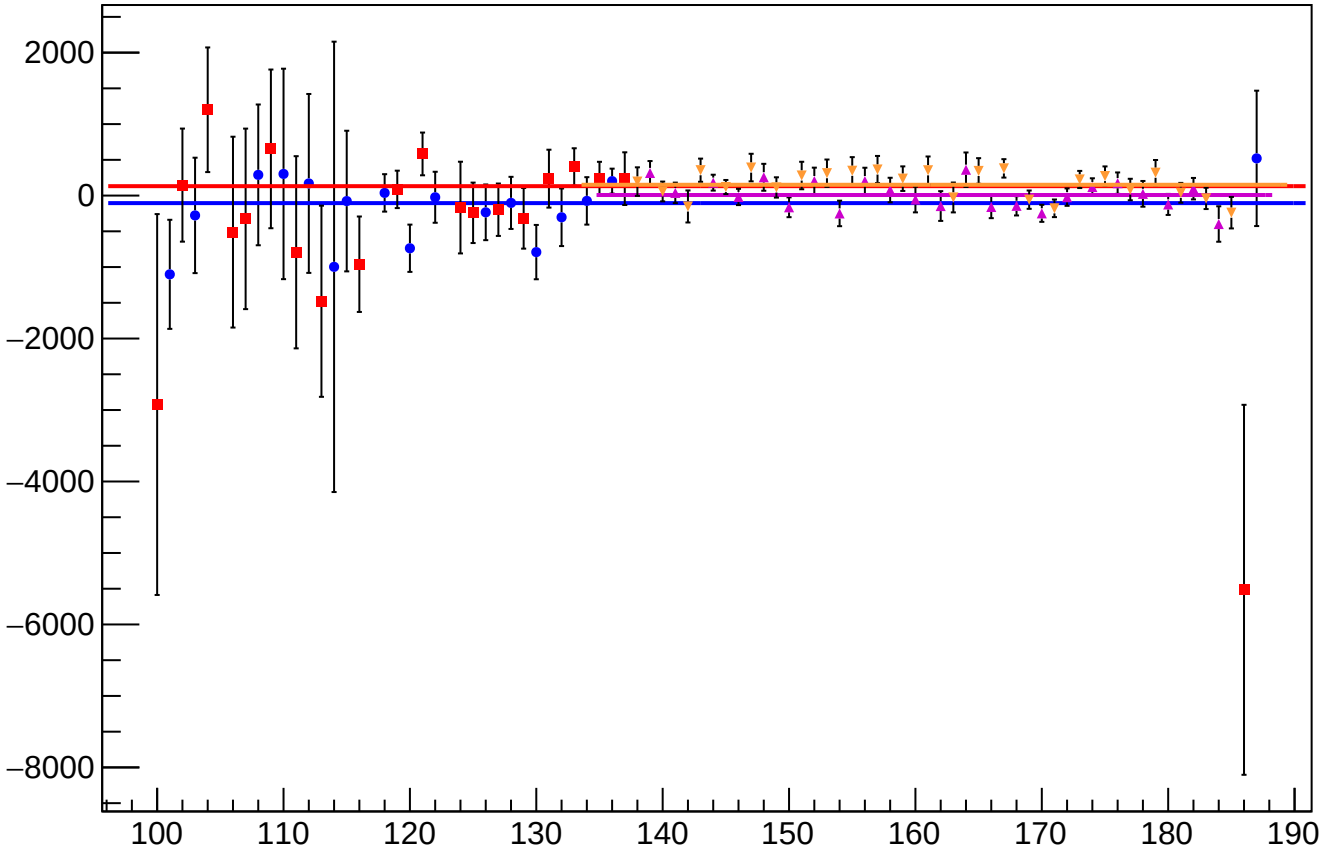
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 140.796+/-0.021 χ^2/NDF: 6863193.0/41

All: 140.601+/-0.015 χ^2/NDF: 14539313.0/84

- sign 140.399+/-0.021 χ^2/NDF: 7675939.6/42

asym_sam_37_26_dd_mean vs Slug



Right In: -105.409+/-96.053 χ^2/NDF: 13.3/16

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 131.682+/-99.101 χ^2/NDF: 19.4/19

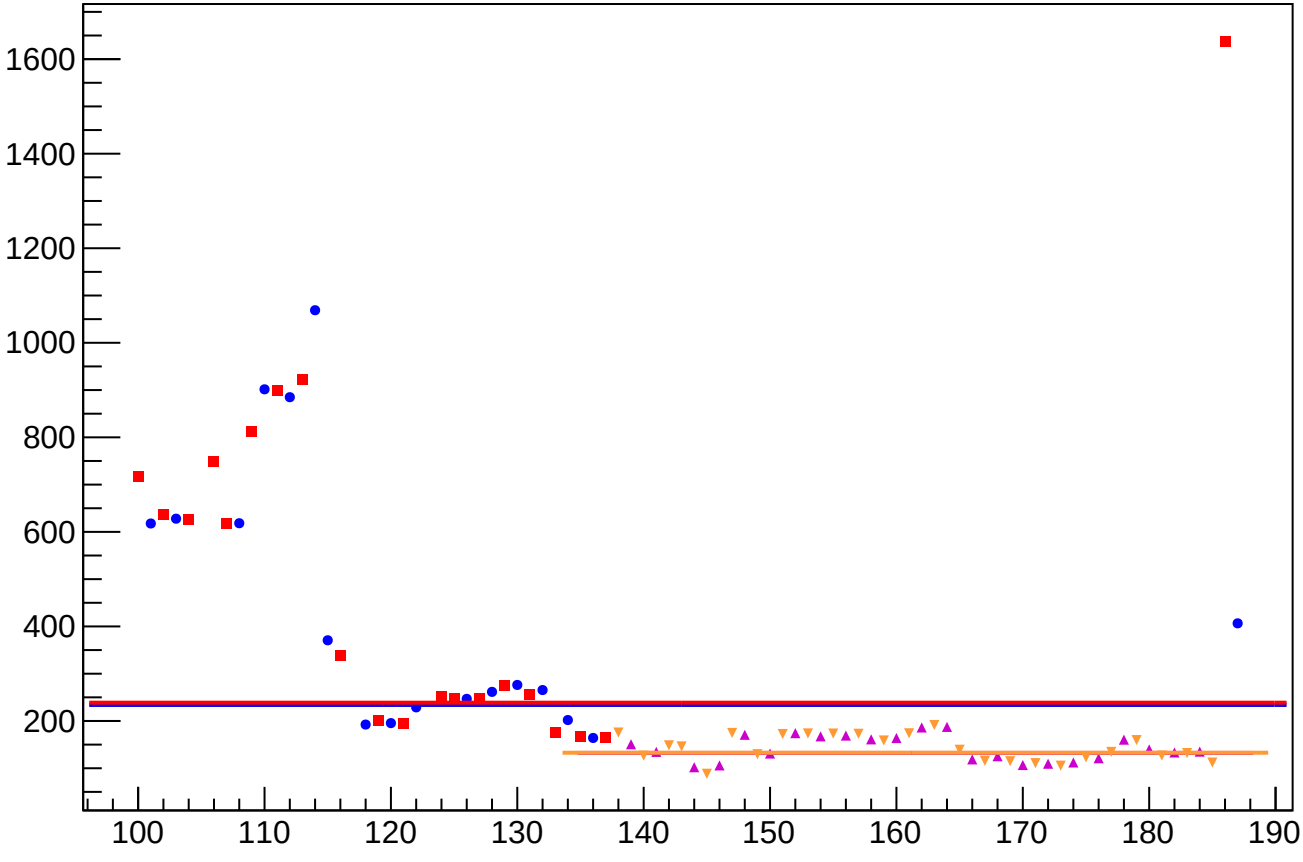
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 126.978+/-29.460 χ^2/NDF: 52.8/41

All: 74.377+/-21.062 χ^2/NDF: 109.6/84

- sign 19.375+/-30.125 χ^2/NDF: 50.3/42

asym_sam_37_26_dd_rms vs Slug



Right In: 233.901+/-0.068 χ^2/NDF: 2952669.6/16

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

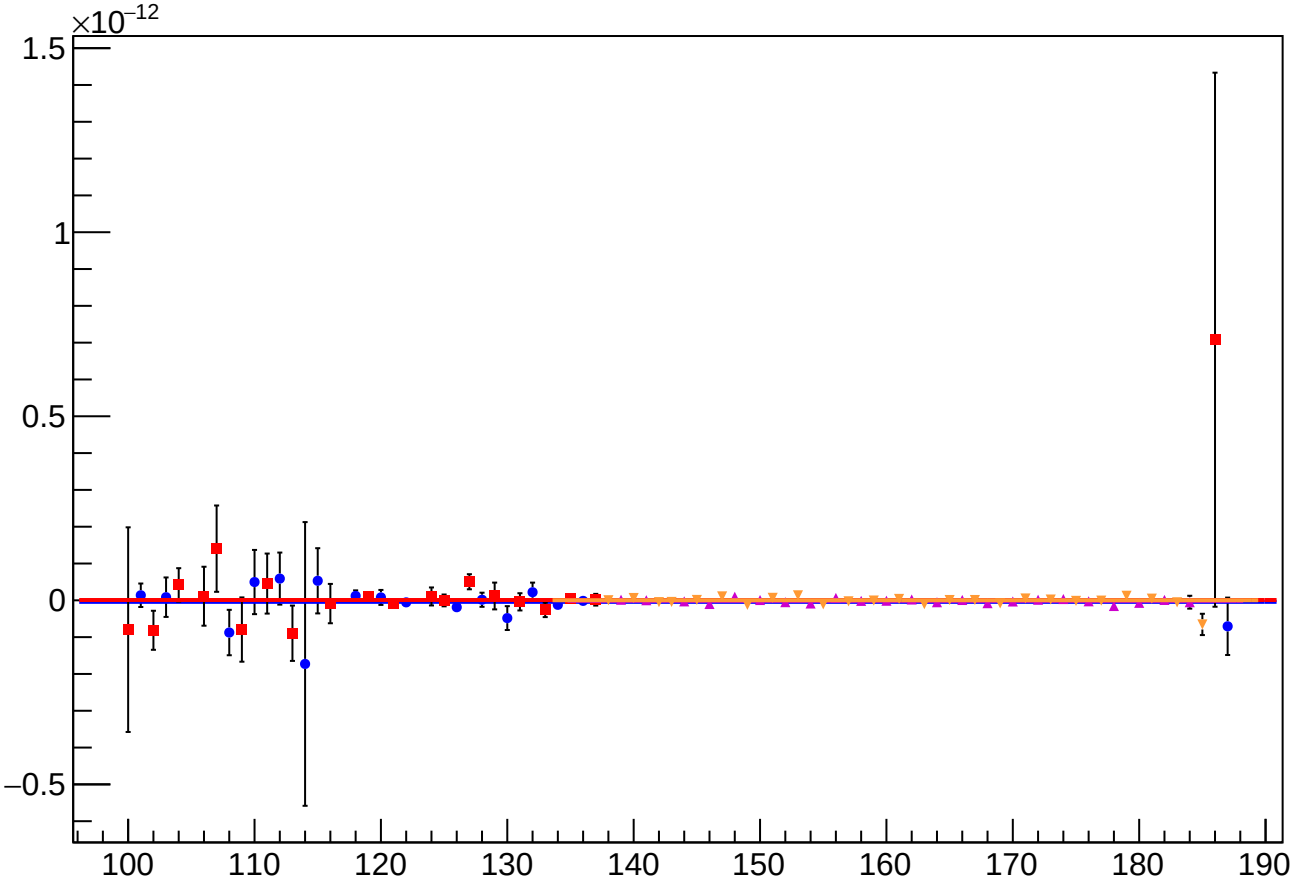
Right Out: 238.700+/-0.070 χ^2/NDF: 4105947.2/19

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 142.379+/-0.021 χ^2/NDF: 6549309.8/41

All: 142.277+/-0.015 χ^2/NDF: 14023867.1/84

- sign 142.170+/-0.021 χ^2/NDF: 7474507.9/42



Right In: -0.000+/-0.000 χ^2/NDF: 12.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

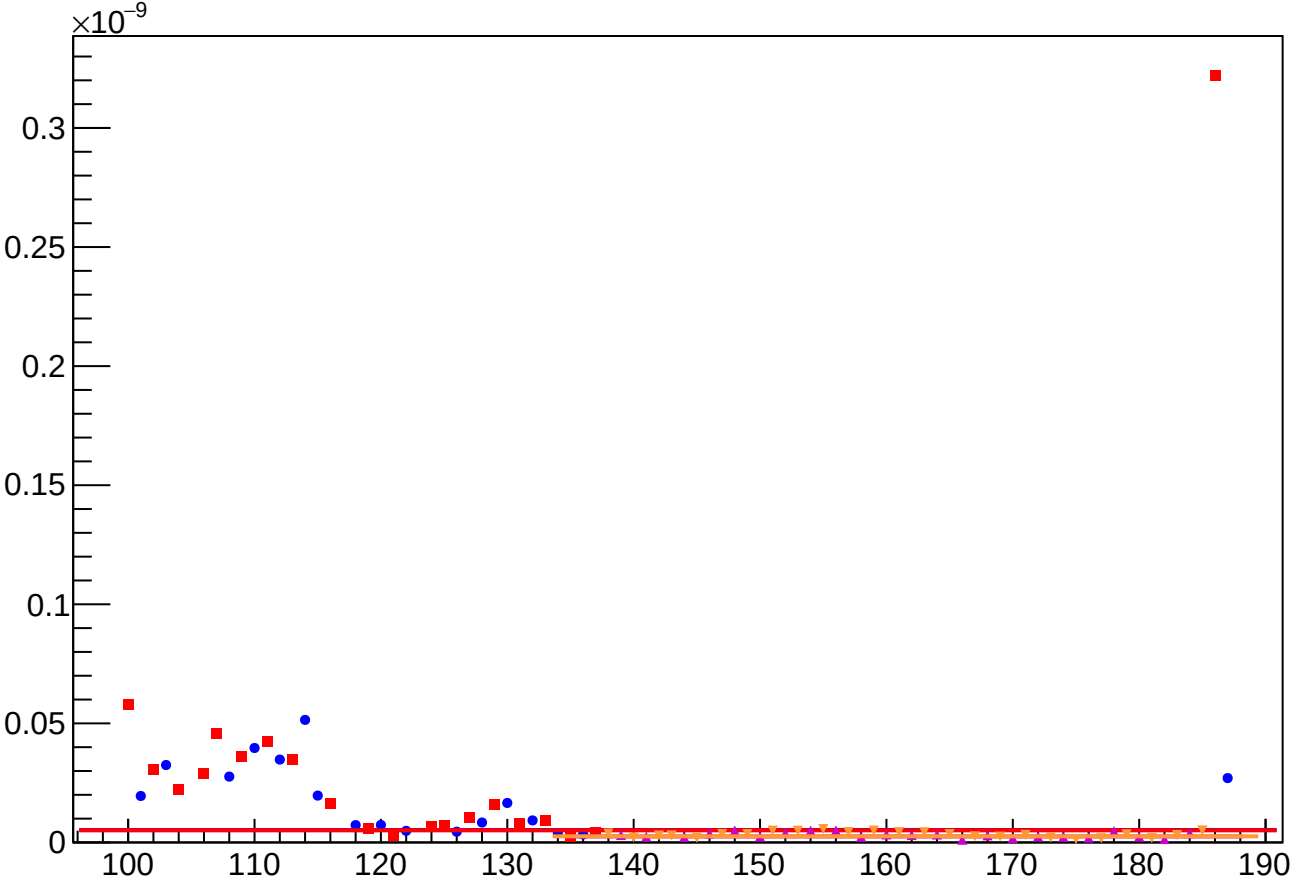
Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/19

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.7/41

All: -0.000+/-0.000 χ^2/NDF: 80.5/84

- sign -0.000+/-0.000 χ^2/NDF: 34.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2775347.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3617938.9/19

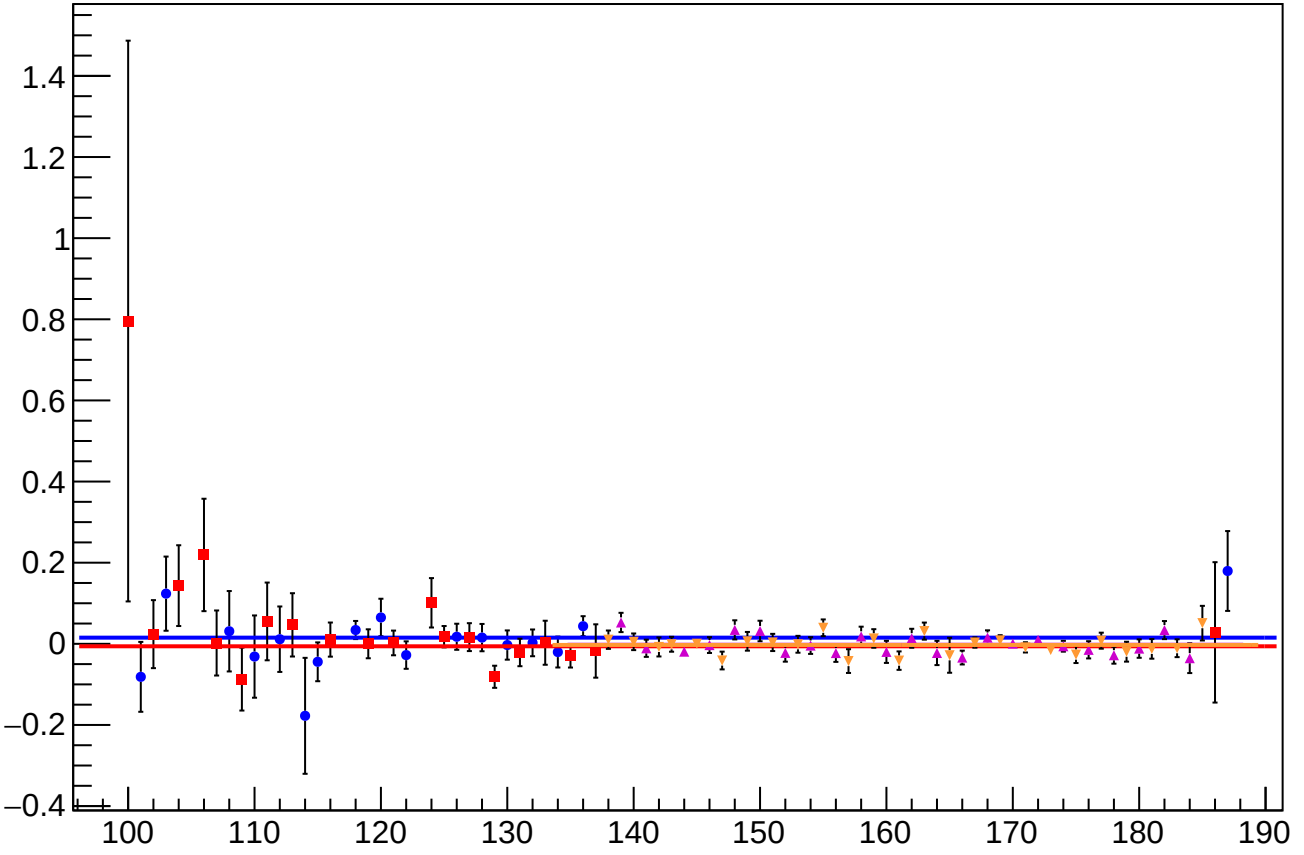
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 5904948.9/41

All: 0.000+/-0.000 χ^2/NDF: 11850143.2/84

- sign 0.000+/-0.000 χ^2/NDF: 5940393.3/42

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

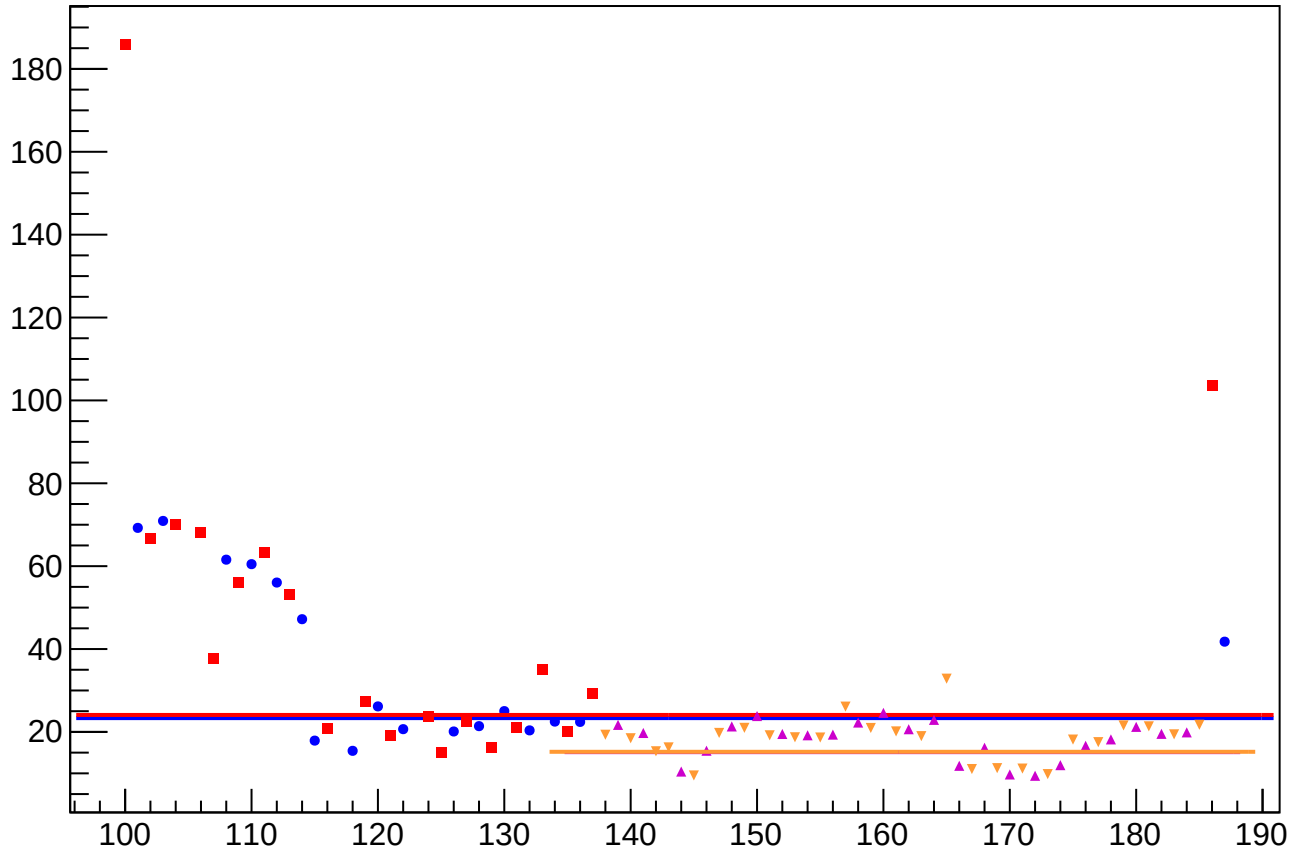
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/41

All: -0.002+/-0.002 χ^2/NDF: 89.5/84

- sign -0.003+/-0.004 χ^2/NDF: 48.6/42



Right In: 23.330+/-0.007 χ^2/NDF: 2477421.9/16

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

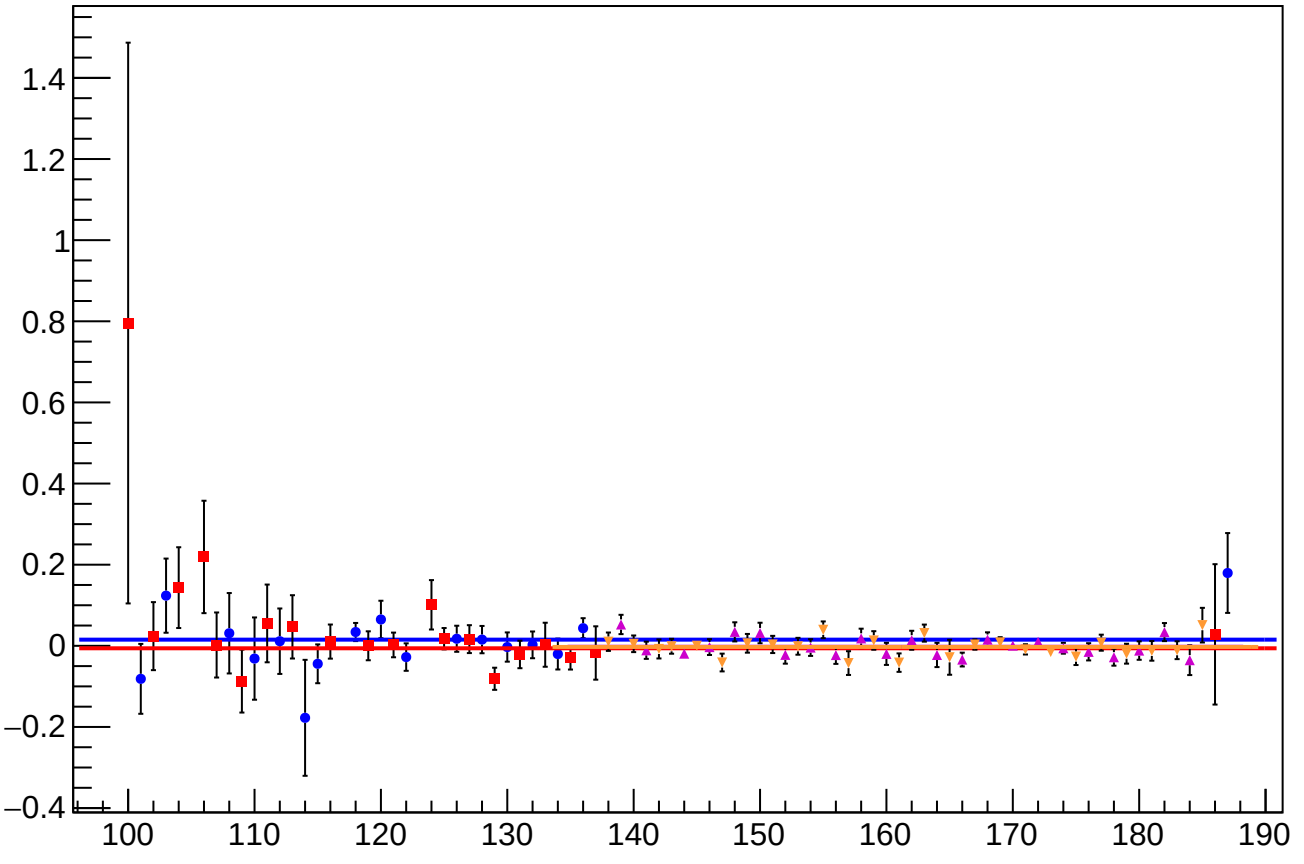
Right Out: 24.094+/-0.007 χ^2/NDF: 3322595.1/19

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 16.219+/-0.002 χ^2/NDF: 7123571.4/41

All: 16.235+/-0.002 χ^2/NDF: 15242364.8/84

- sign 16.252+/-0.003 χ^2/NDF: 8118701.4/42



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

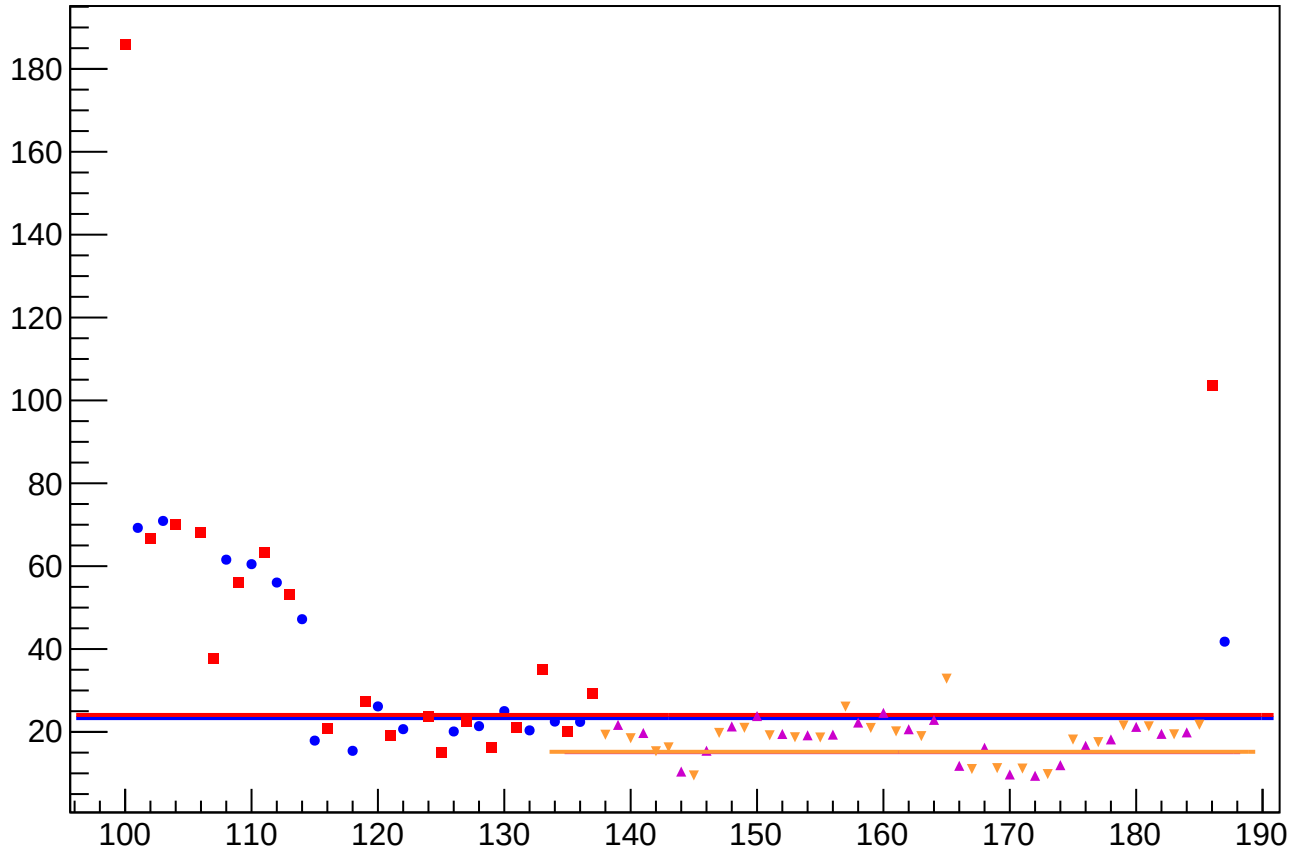
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/41

All: -0.002+/-0.002 χ^2/NDF: 89.5/84

- sign -0.003+/-0.004 χ^2/NDF: 48.6/42



Right In: 23.330+/-0.007 χ^2/NDF: 2477421.9/16

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

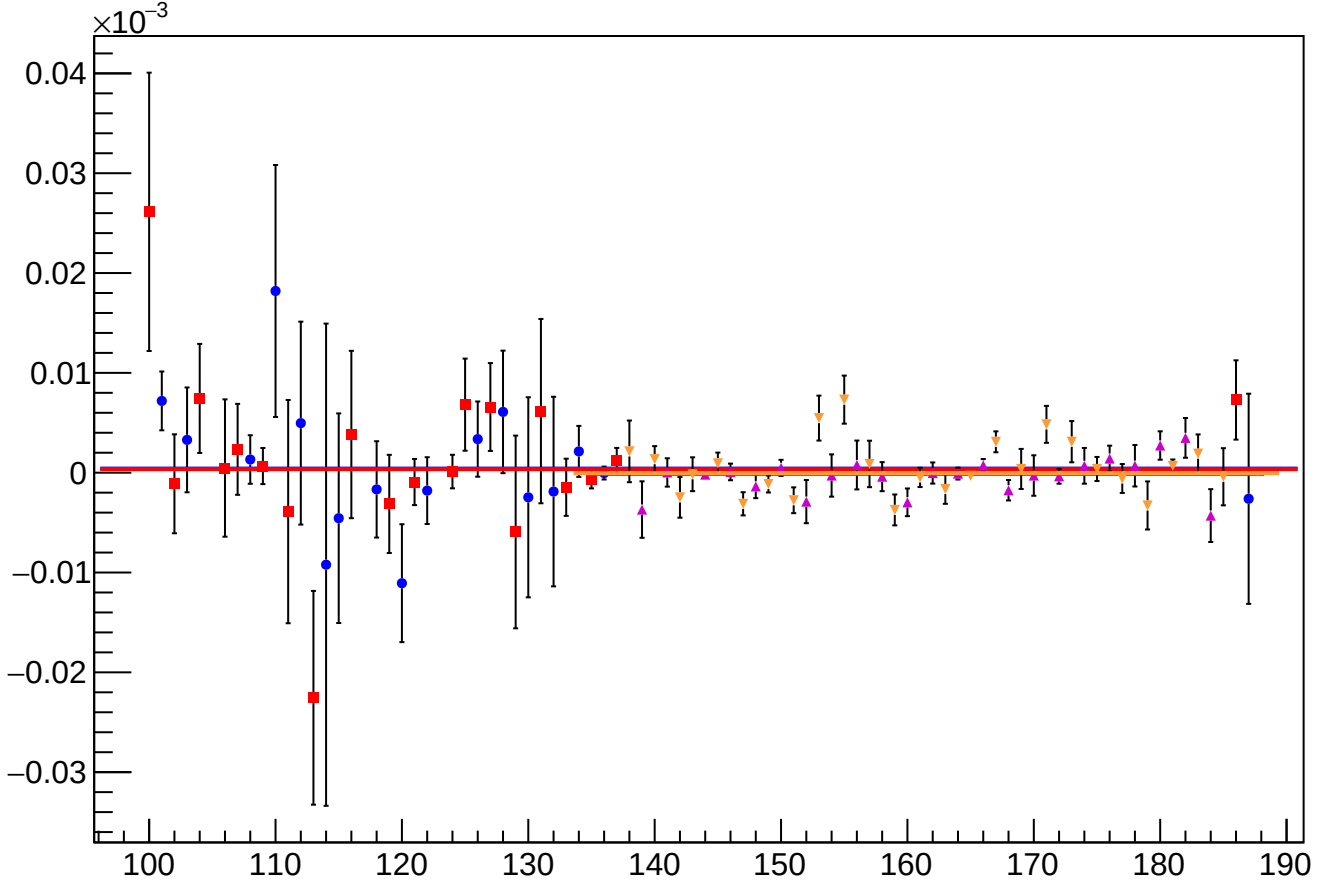
Right Out: 24.094+/-0.007 χ^2/NDF: 3322595.1/19

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

\+ sign 16.219+/-0.002 χ^2/NDF: 7123571.4/41

All: 16.235+/-0.002 χ^2/NDF: 15242364.8/84

\- sign 16.252+/-0.003 χ^2/NDF: 8118701.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

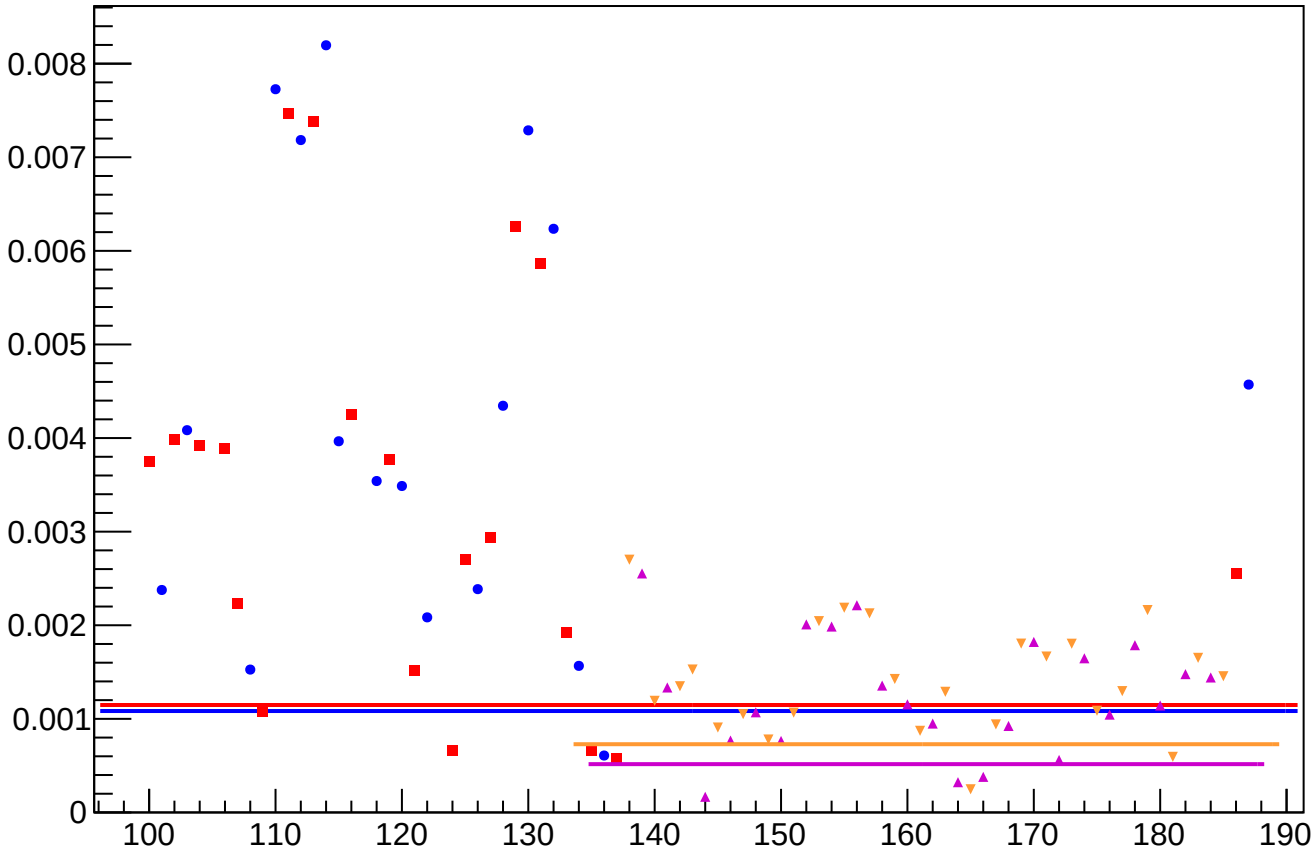
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/19

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.8/41

All: -0.000+/-0.000 χ^2/NDF: 126.0/84

- sign -0.000+/-0.000 χ^2/NDF: 47.1/42



Right In: 0.001+/-0.000 χ^2/NDF: 7265502.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

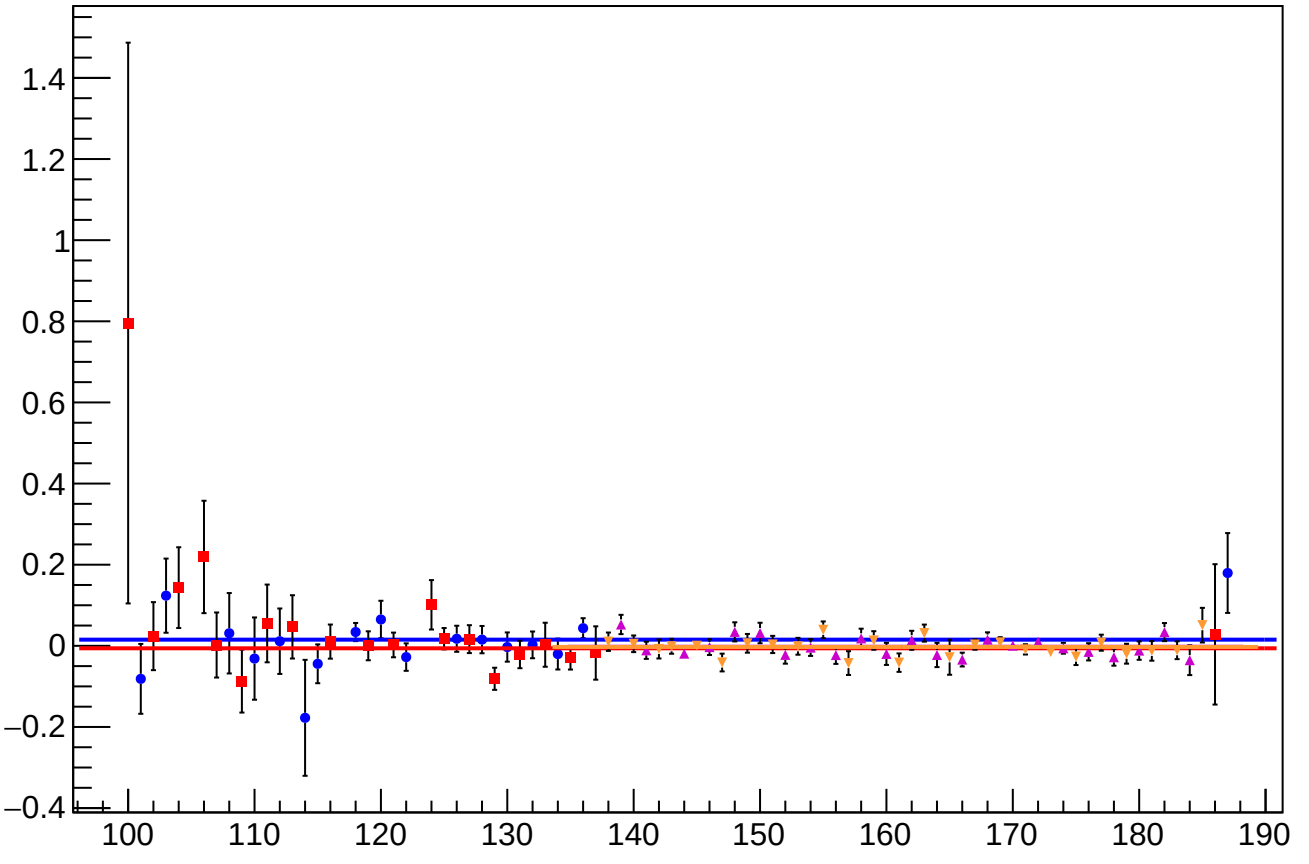
Right Out: 0.001+/-0.000 χ^2/NDF: 7050397.1/19

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 21089891.7/41

All: 0.001+/-0.000 χ^2/NDF: 46680966.3/84

- sign 0.001+/-0.000 χ^2/NDF: 24377795.6/42



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

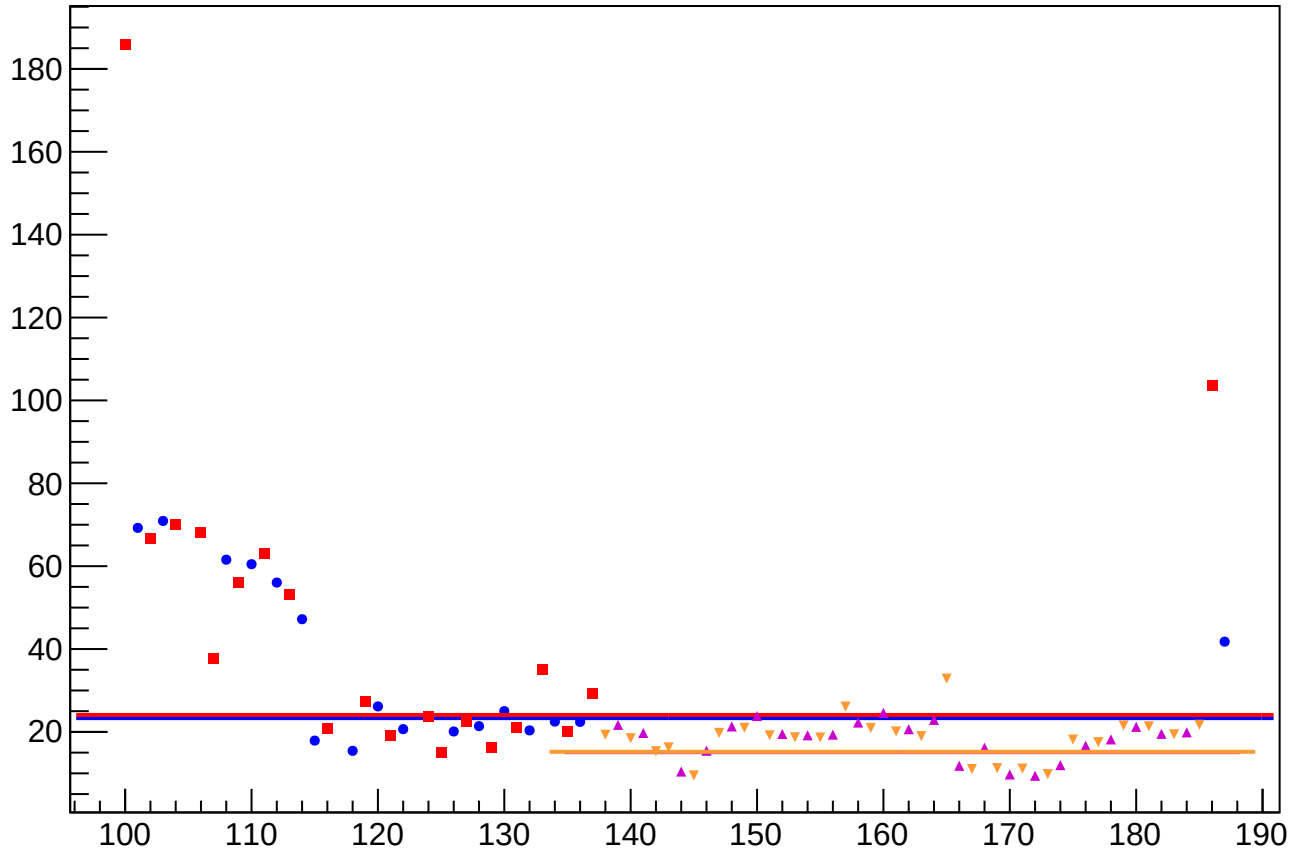
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/41

All: -0.002+/-0.002 χ^2/NDF: 89.5/84

- sign -0.003+/-0.004 χ^2/NDF: 48.6/42



Right In: 23.328+/-0.007 χ^2/NDF: 2477465.2/16

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

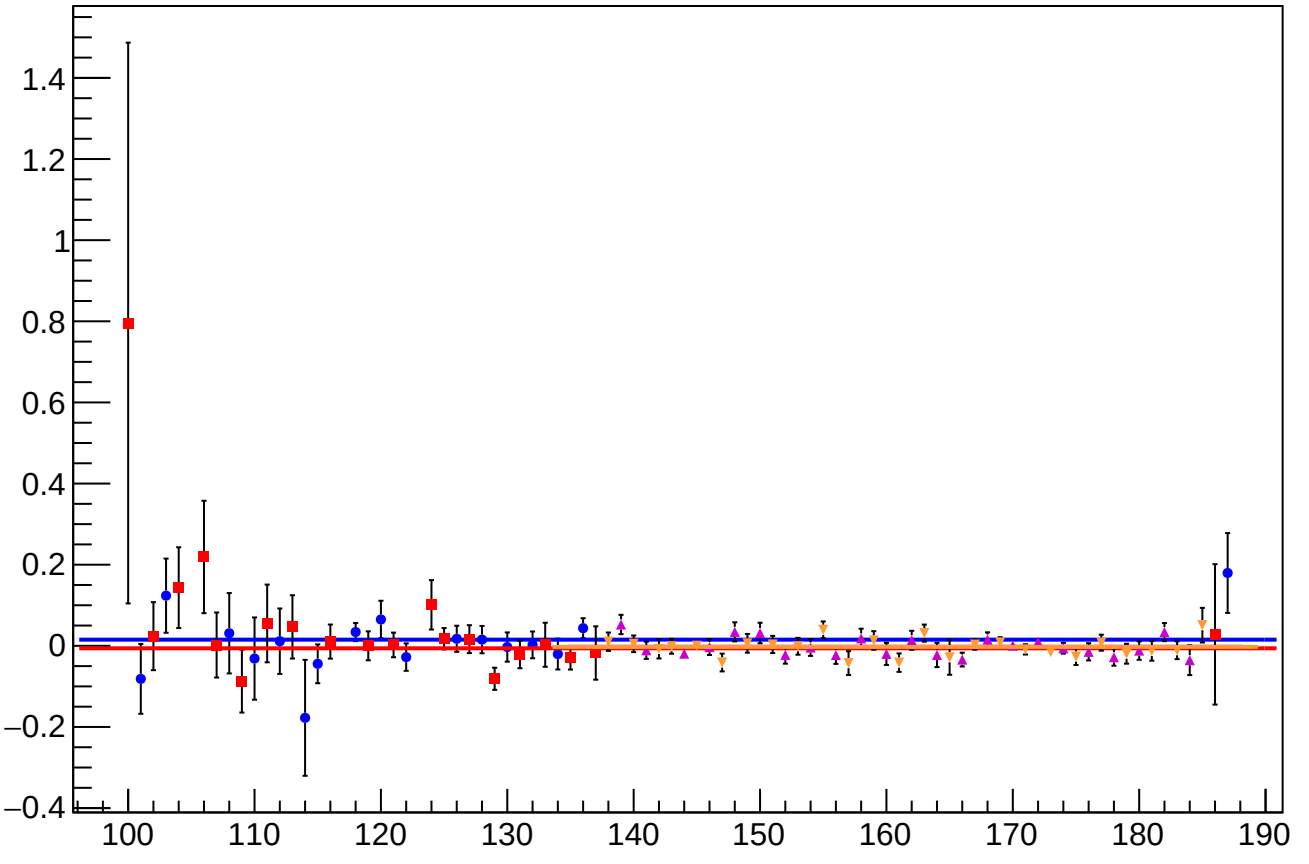
Right Out: 24.093+/-0.007 χ^2/NDF: 3322550.5/19

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.219+/-0.002 χ^2/NDF: 7123419.9/41

All: 16.235+/-0.002 χ^2/NDF: 15242045.5/84

- sign 16.253+/-0.003 χ^2/NDF: 8118533.0/42



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

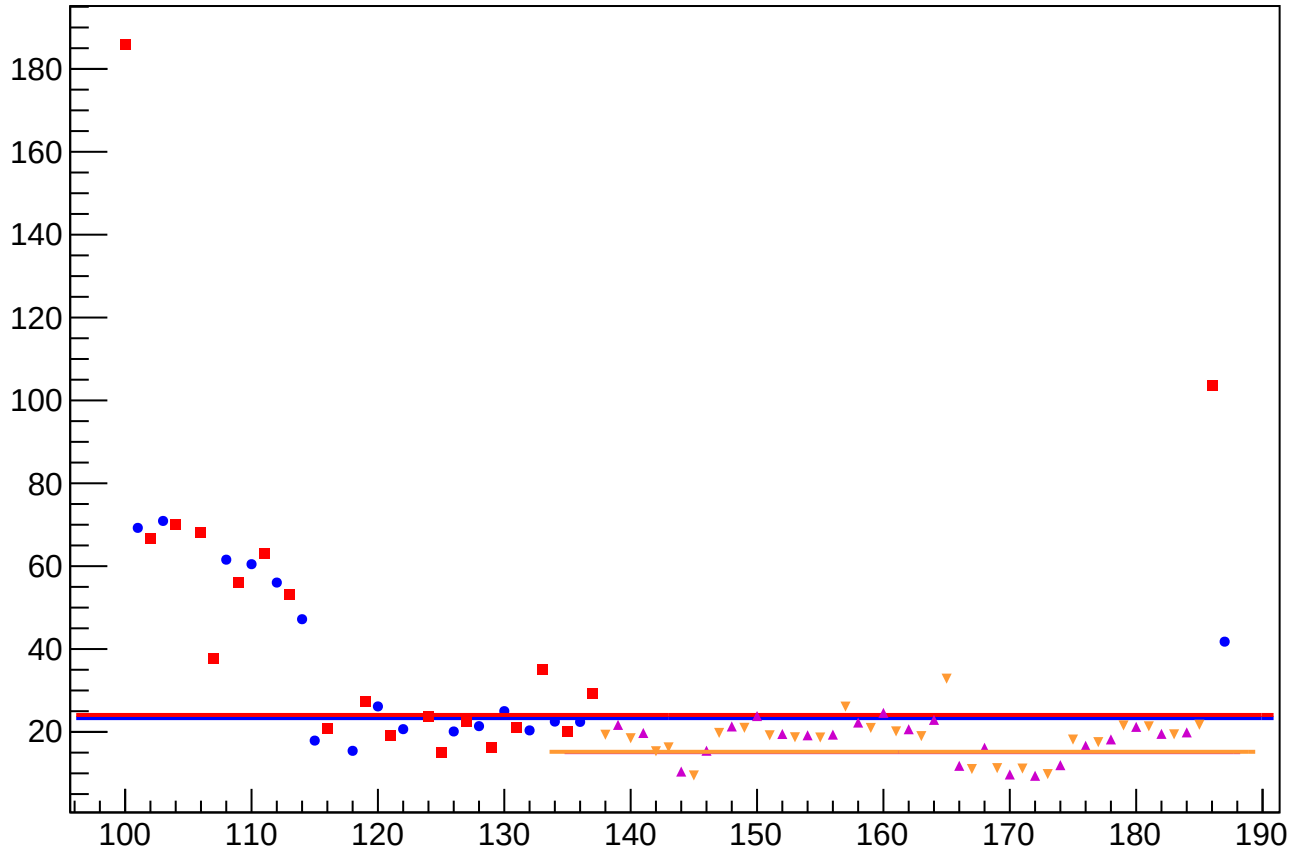
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/19

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 40.7/41

All: -0.002+/-0.002 χ^2/NDF: 89.5/84

- sign -0.003+/-0.004 χ^2/NDF: 48.6/42



Right In: 23.328+/-0.007 χ^2/NDF: 2477465.2/16

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

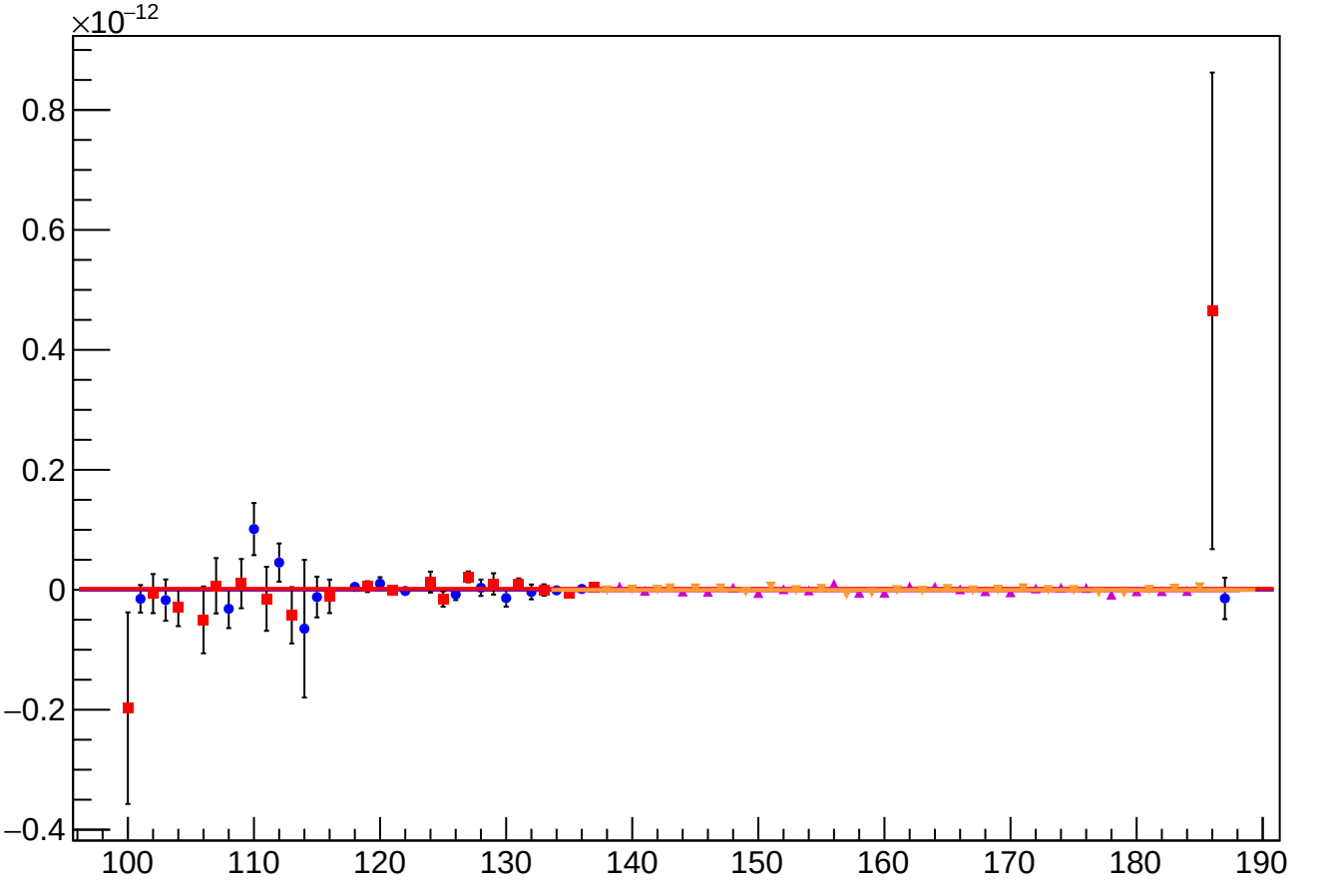
Right Out: 24.093+/-0.007 χ^2/NDF: 3322550.5/19

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 16.219+/-0.002 χ^2/NDF: 7123419.9/41

All: 16.235+/-0.002 χ^2/NDF: 15242045.5/84

- sign 16.253+/-0.003 χ^2/NDF: 8118533.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

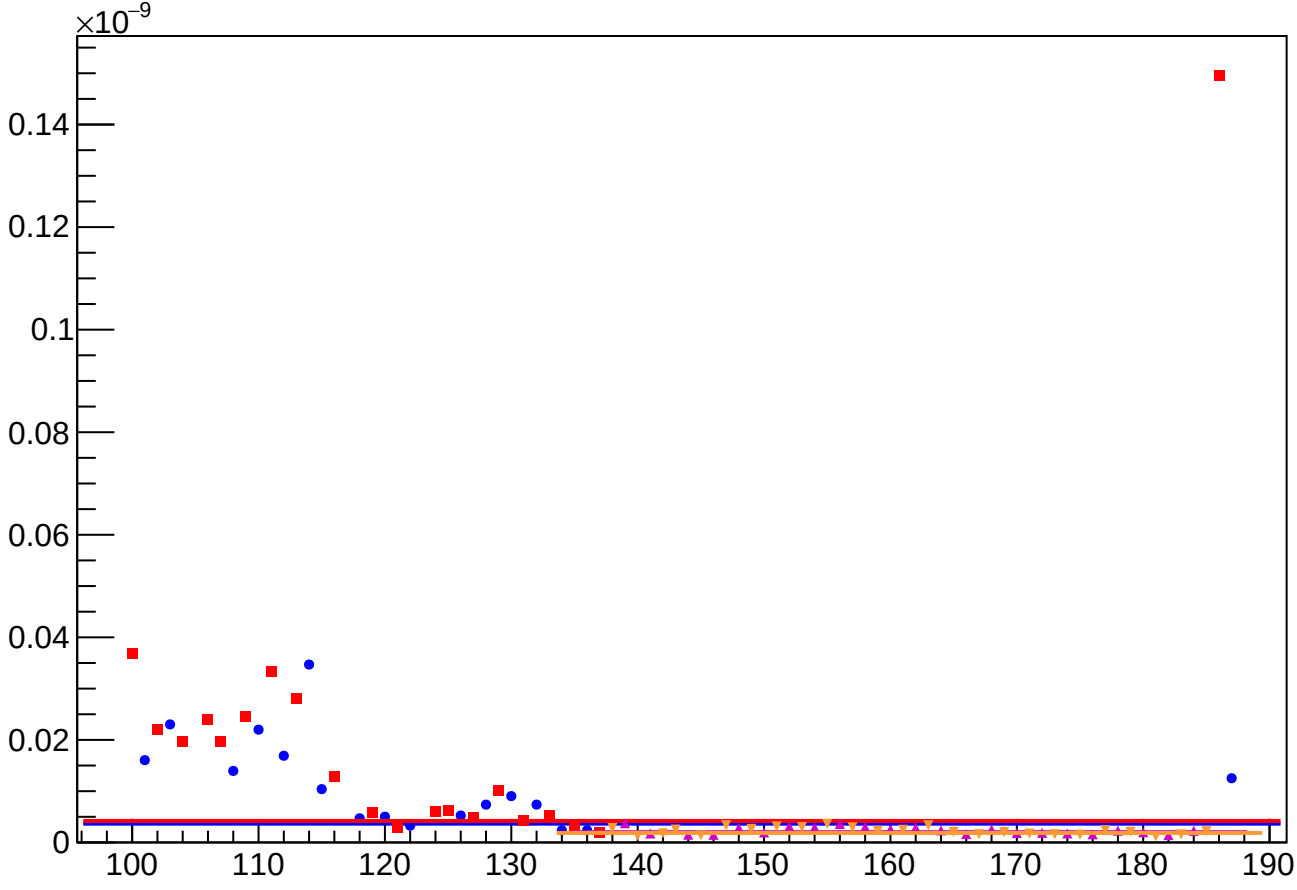
Right Out: 0.000+/-0.000 χ^2/NDF: 16.9/19

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.6/41

All: -0.000+/-0.000 χ^2/NDF: 92.4/84

- sign -0.000+/-0.000 χ^2/NDF: 57.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 3721924.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4722474.4/19

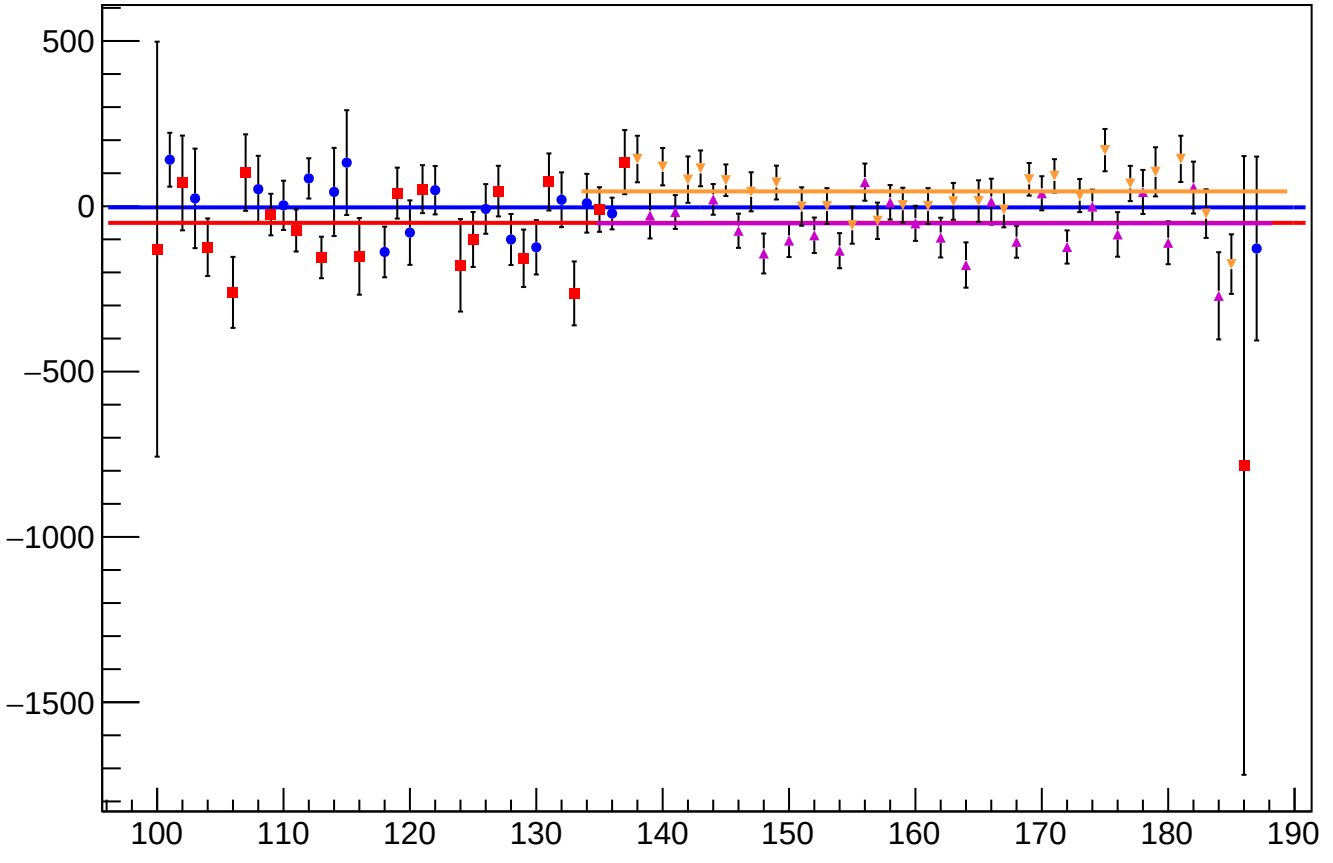
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7818158.8/41

All: 0.000+/-0.000 χ^2/NDF: 16204106.9/84

- sign 0.000+/-0.000 χ^2/NDF: 8303677.3/42

reg_asym_sam_1357_avg_mean vs Slug



Right In: -3.258+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -50.132+/-19.617 χ^2/NDF: 30.0/19

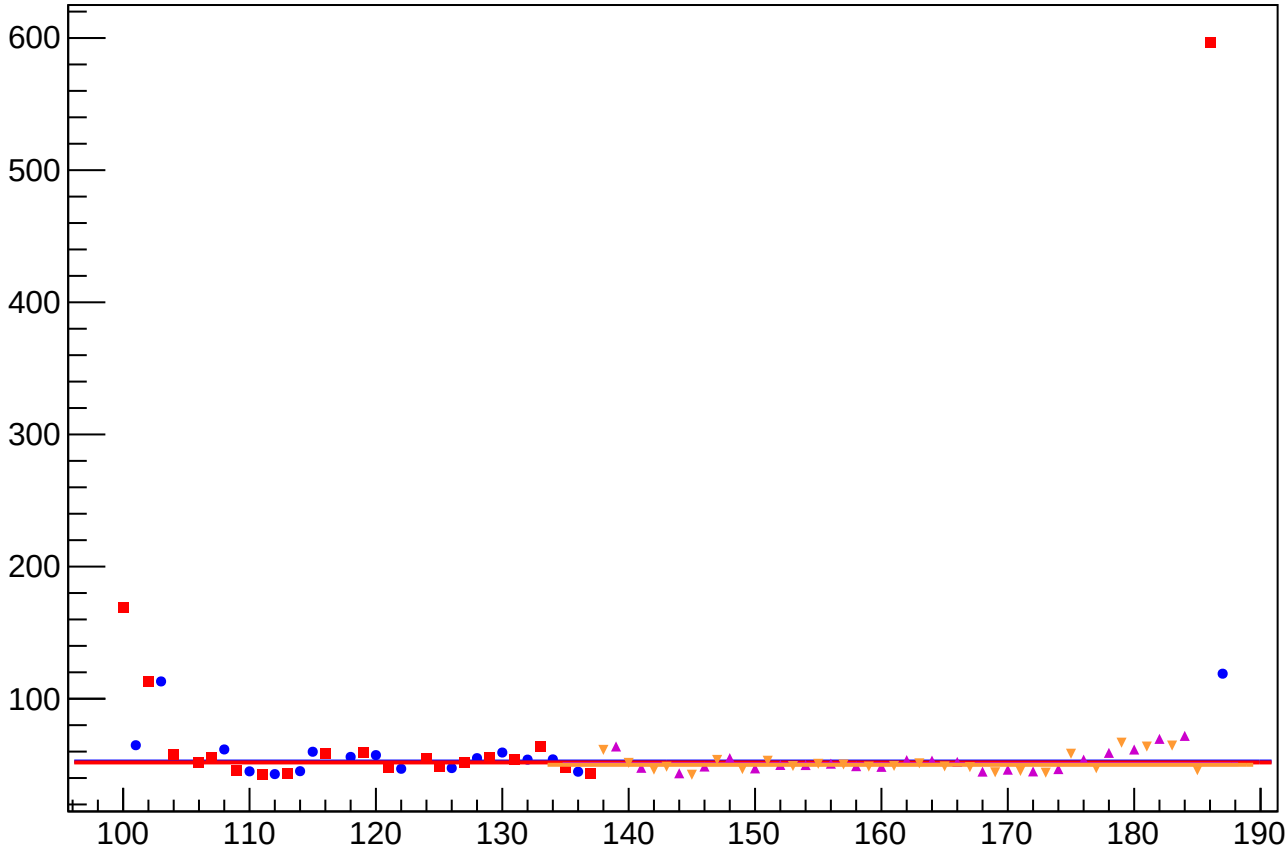
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 33.036+/-9.959 χ^2/NDF: 50.5/41

All: -8.114+/-7.123 χ^2/NDF: 151.3/84

- sign -51.215+/-10.192 χ^2/NDF: 65.8/42

reg_asym_sam_1357_avg_rms vs Slug



Right In: 52.472+/-0.014 χ^2/NDF: 677853.0/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 51.789+/-0.014 χ^2/NDF: 1317908.0/19

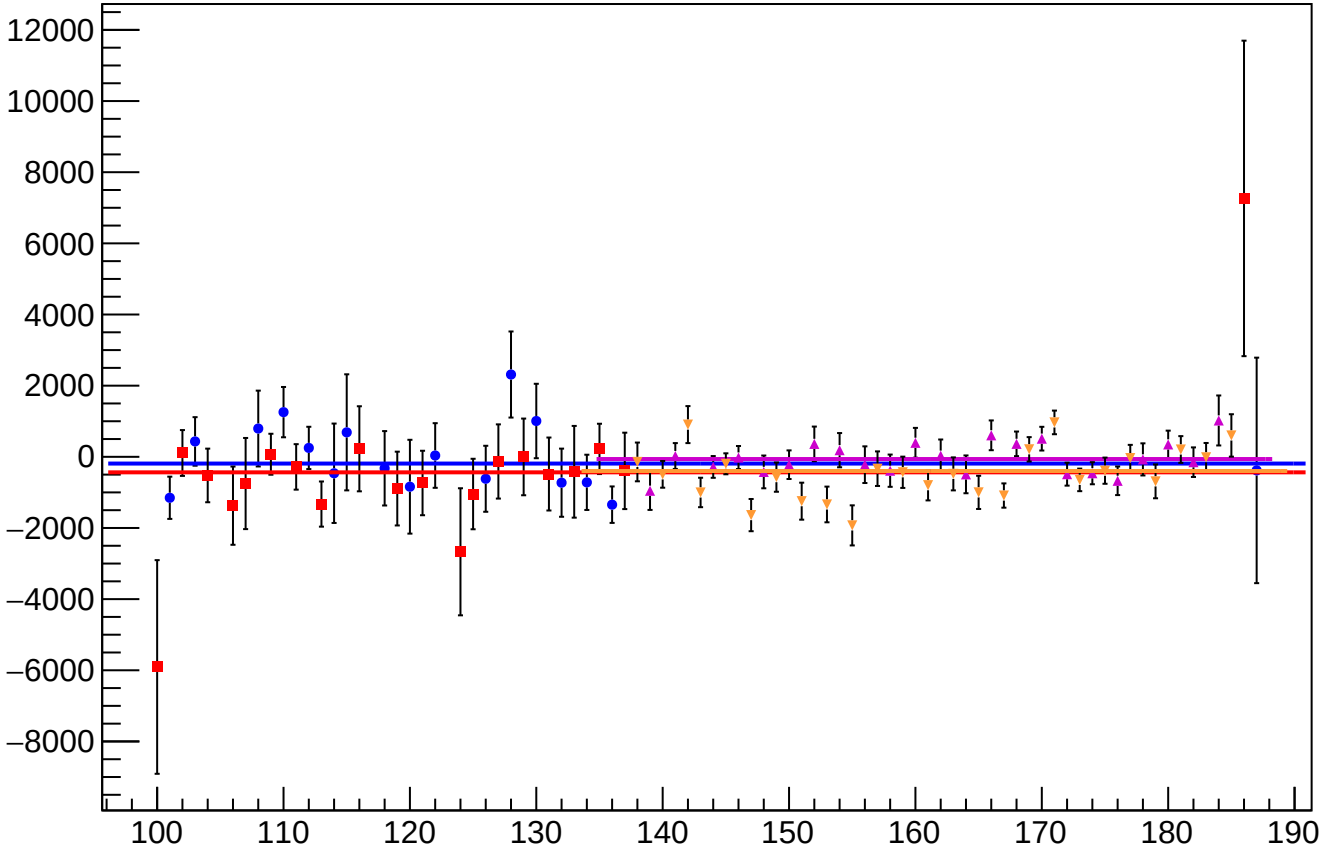
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.632+/-0.007 χ^2/NDF: 1209631.9/41

All: 50.742+/-0.005 χ^2/NDF: 3037636.2/84

- sign 50.857+/-0.007 χ^2/NDF: 1827507.4/42

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -189.375+/-205.378 χ^2/NDF: 21.4/16

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -436.255+/-203.702 χ^2/NDF: 14.3/19

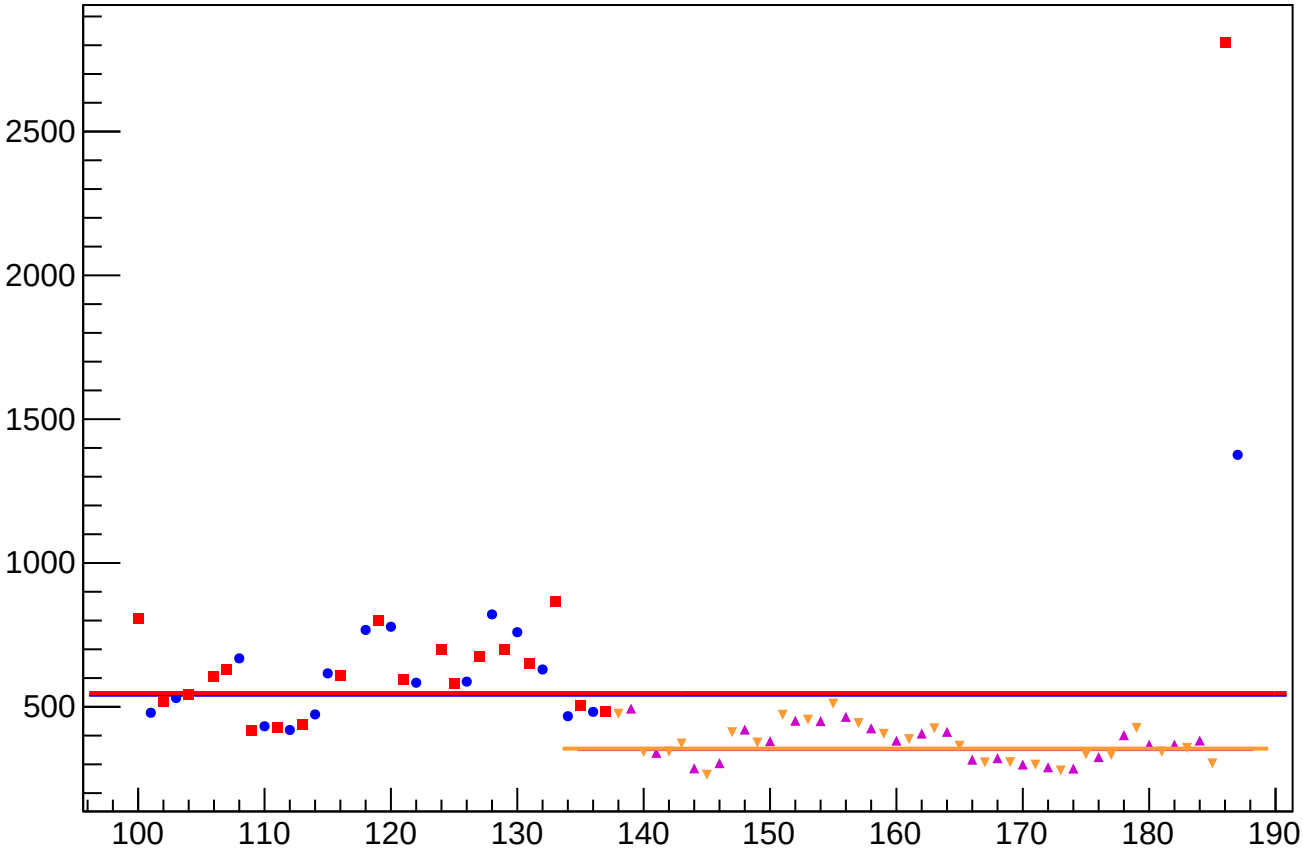
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.453+/-76.205 χ^2/NDF: 87.7/41

All: -245.636+/-54.362 χ^2/NDF: 134.3/84

- sign -116.305+/-77.571 χ^2/NDF: 41.1/42

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 541.985+/-0.145 χ^2/NDF: 753089.7/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 548.024+/-0.144 χ^2/NDF: 1158386.0/19

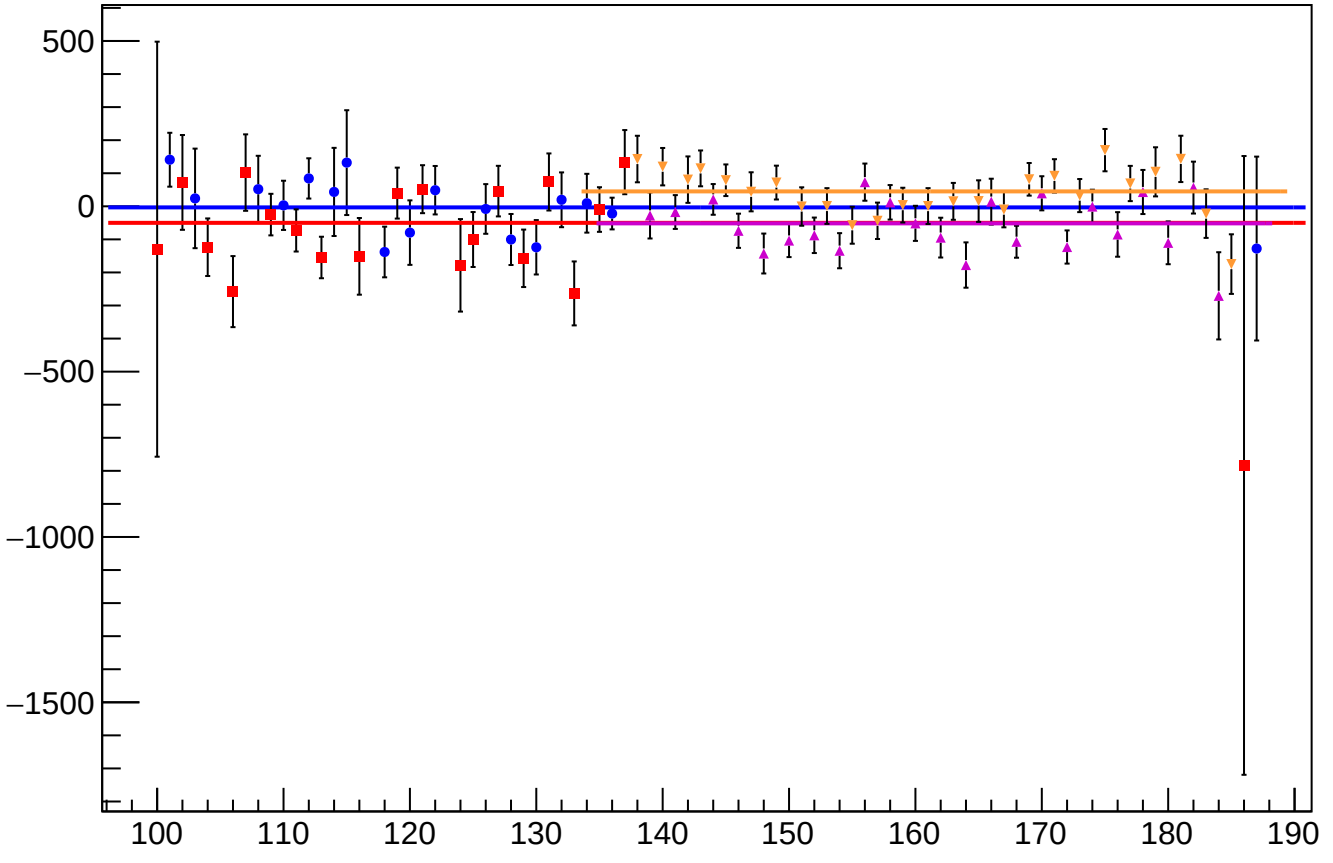
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 380.459+/-0.054 χ^2/NDF: 3333173.2/41

All: 380.909+/-0.038 χ^2/NDF: 7061443.0/84

- sign 381.375+/-0.055 χ^2/NDF: 3728127.8/42

cor_asym_sam_1357_avg_mean vs Slug



Right In: -3.262+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -50.016+/-19.617 χ^2/NDF: 29.9/19

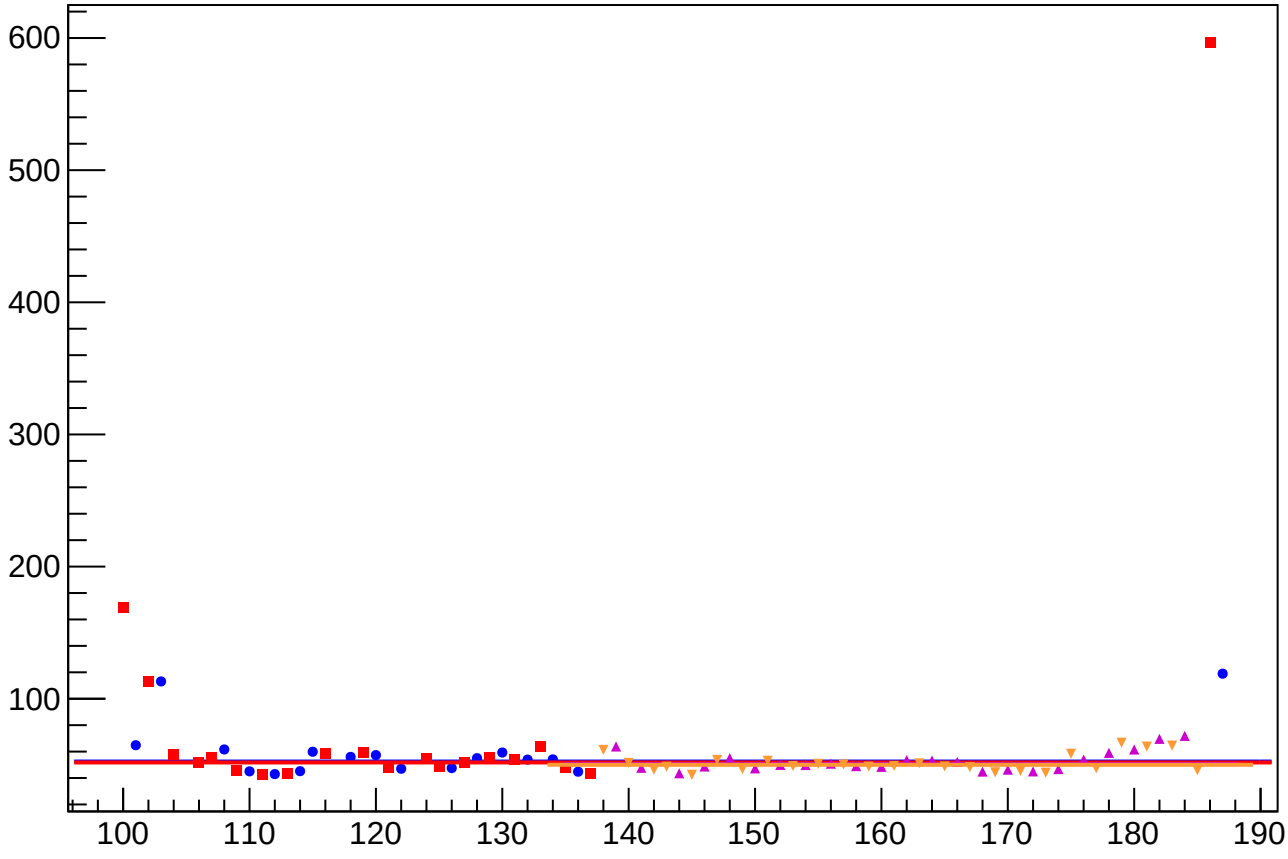
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 33.037+/-9.959 χ^2/NDF: 50.5/41

All: -8.097+/-7.123 χ^2/NDF: 151.2/84

- sign -51.184+/-10.192 χ^2/NDF: 65.7/42

cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.472+/-0.014 χ^2/NDF: 677855.3/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 51.779+/-0.014 χ^2/NDF: 1318153.4/19

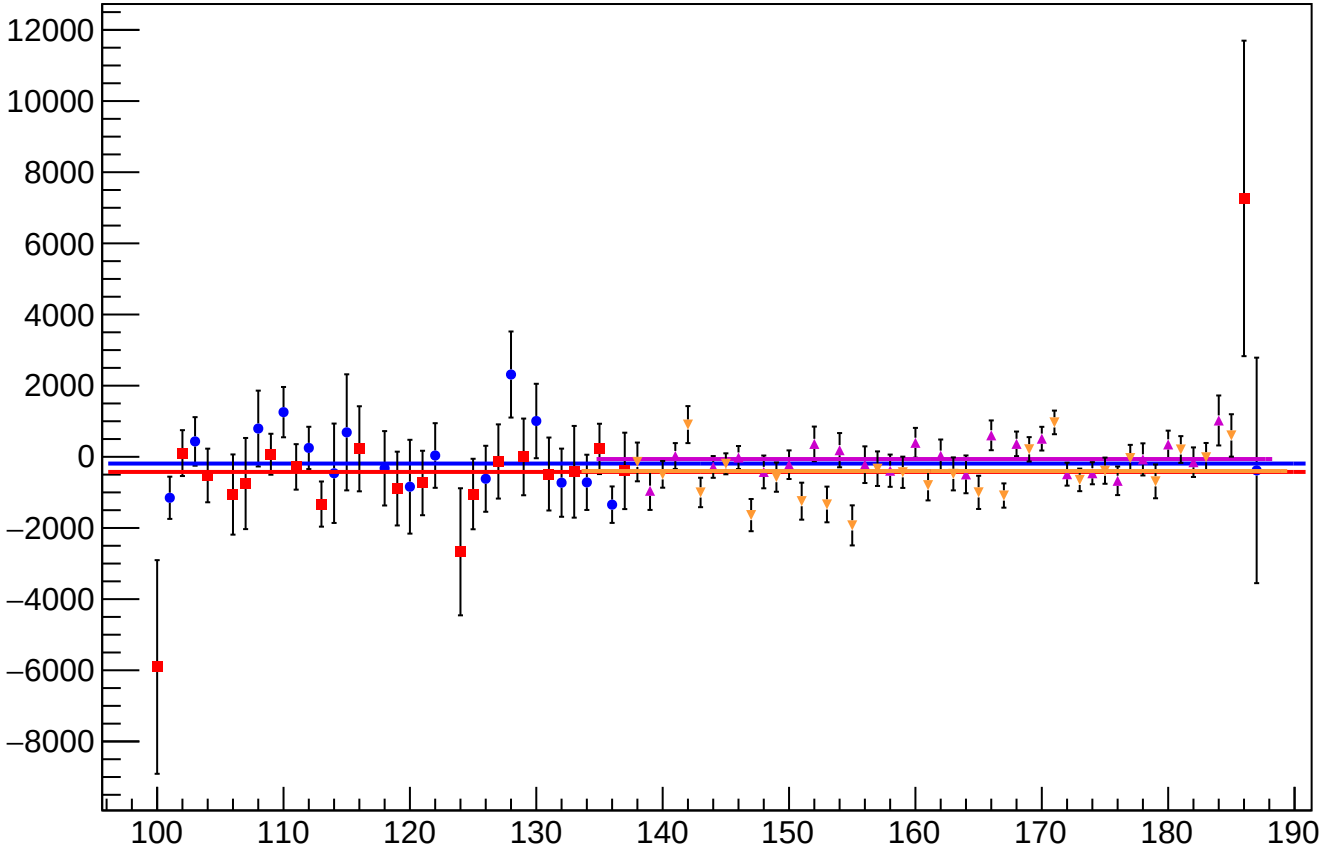
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.632+/-0.007 χ^2/NDF: 1209634.2/41

All: 50.741+/-0.005 χ^2/NDF: 3037772.2/84

- sign 50.854+/-0.007 χ^2/NDF: 1827653.3/42

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -189.353+/-205.380 χ^2/NDF: 21.4/16

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -424.879+/-203.895 χ^2/NDF: 13.9/19

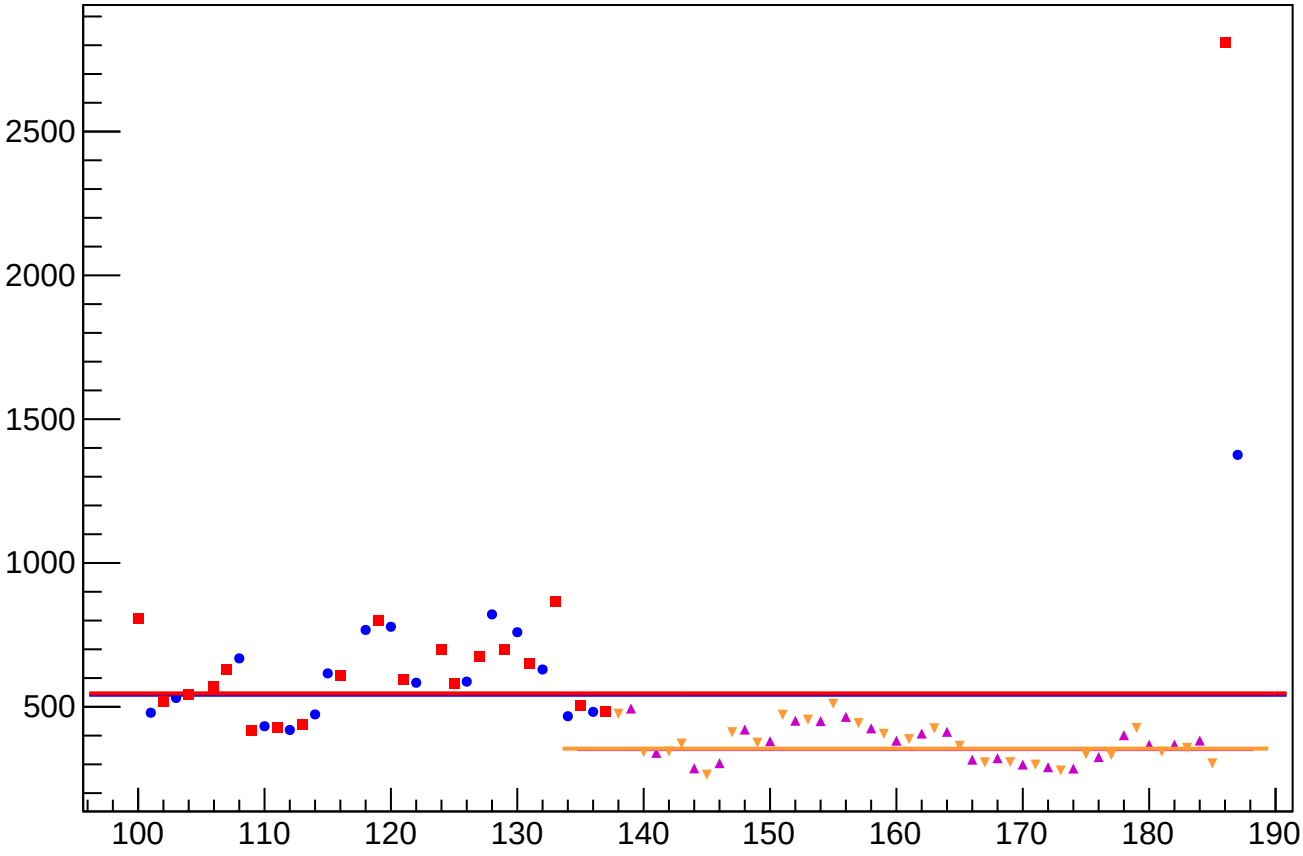
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -370.446+/-76.205 χ^2/NDF: 87.7/41

All: -244.798+/-54.366 χ^2/NDF: 133.7/84

- sign -114.570+/-77.582 χ^2/NDF: 40.5/42

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 541.990+/-0.145 χ^2/NDF: 753083.8/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 546.820+/-0.144 χ^2/NDF: 1153387.7/19

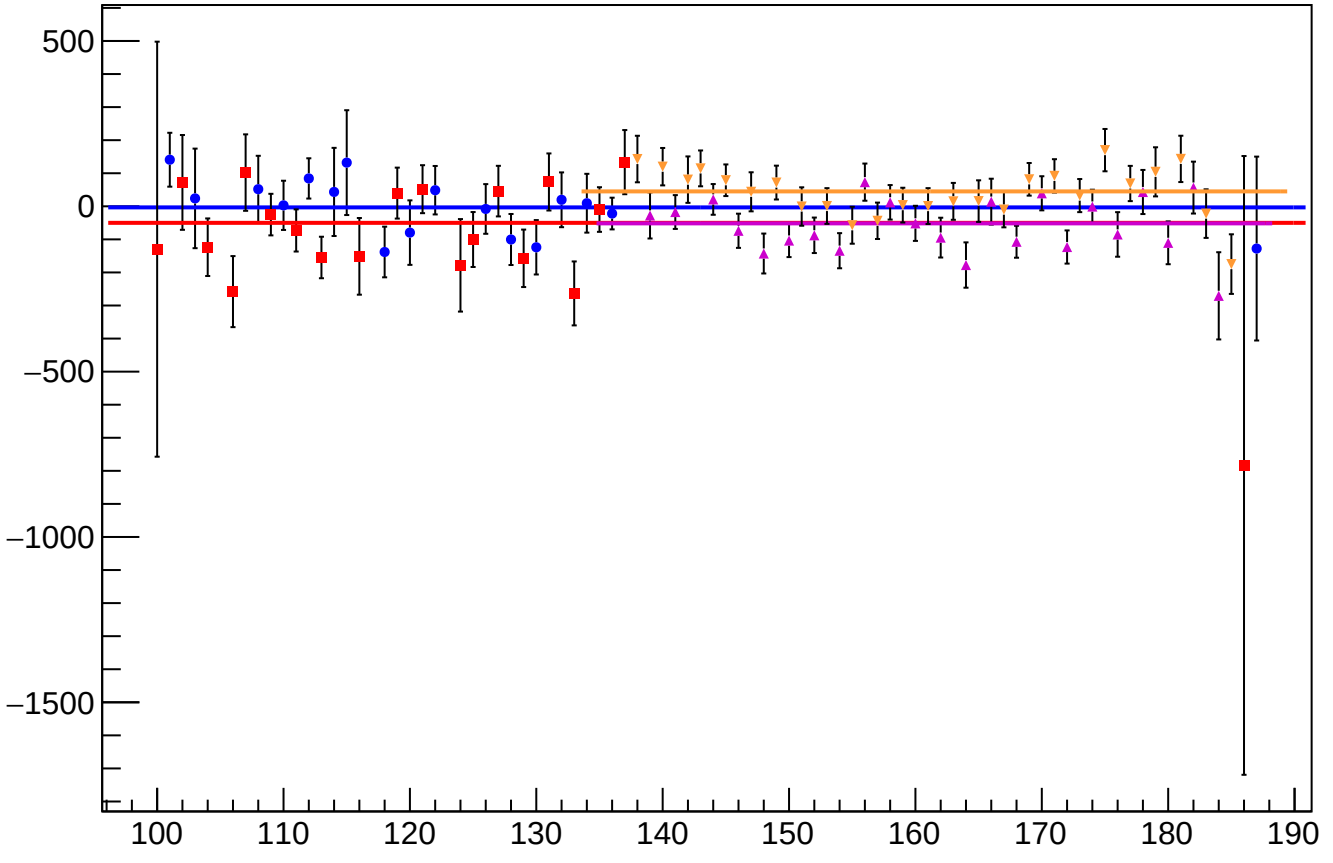
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 380.459+/-0.054 χ^2/NDF: 3333229.9/41

All: 380.801+/-0.038 χ^2/NDF: 7034651.8/84

- sign 381.155+/-0.055 χ^2/NDF: 3701339.9/42

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -3.262+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -50.016+/-19.617 χ^2/NDF: 29.9/19

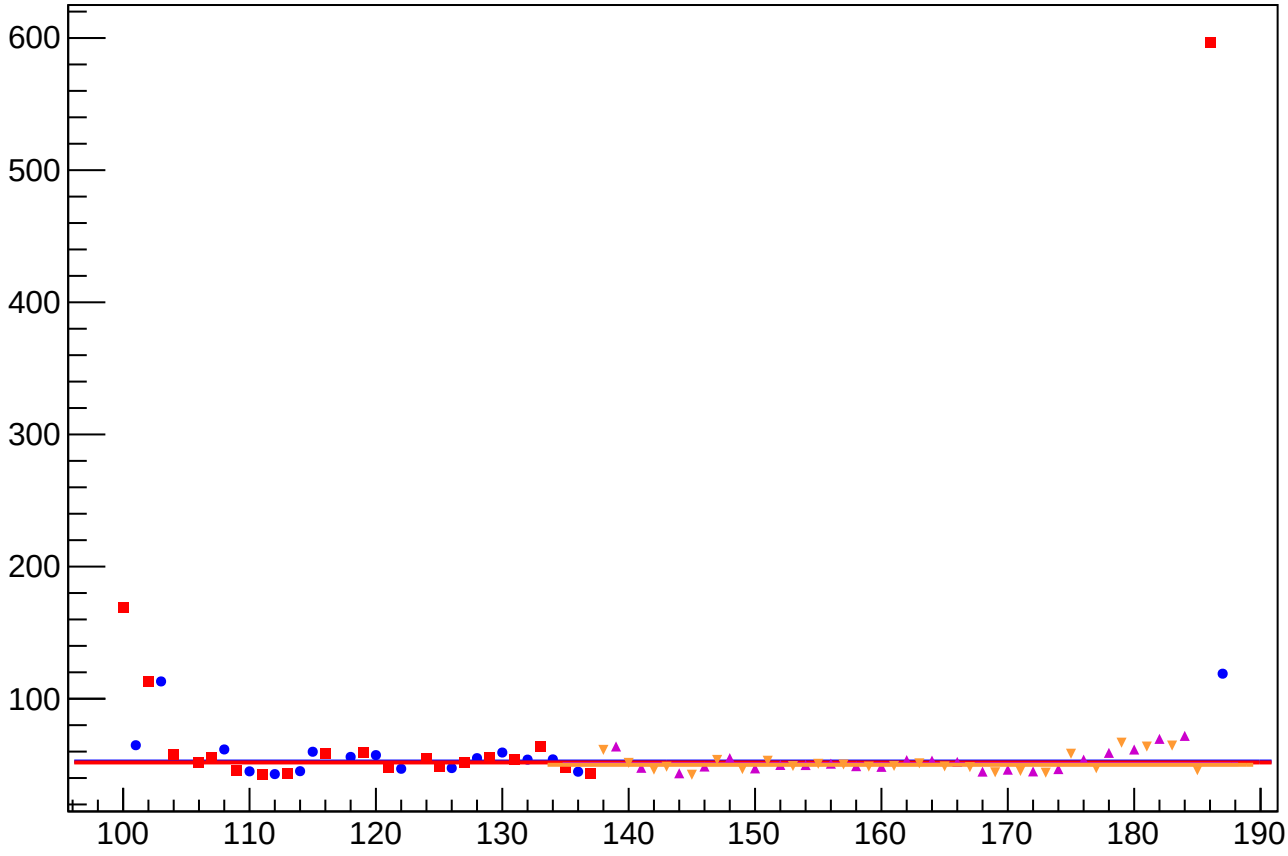
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 33.037+/-9.959 χ^2/NDF: 50.5/41

All: -8.097+/-7.123 χ^2/NDF: 151.2/84

- sign -51.184+/-10.192 χ^2/NDF: 65.7/42

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 52.472+/-0.014 χ^2/NDF: 677855.3/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

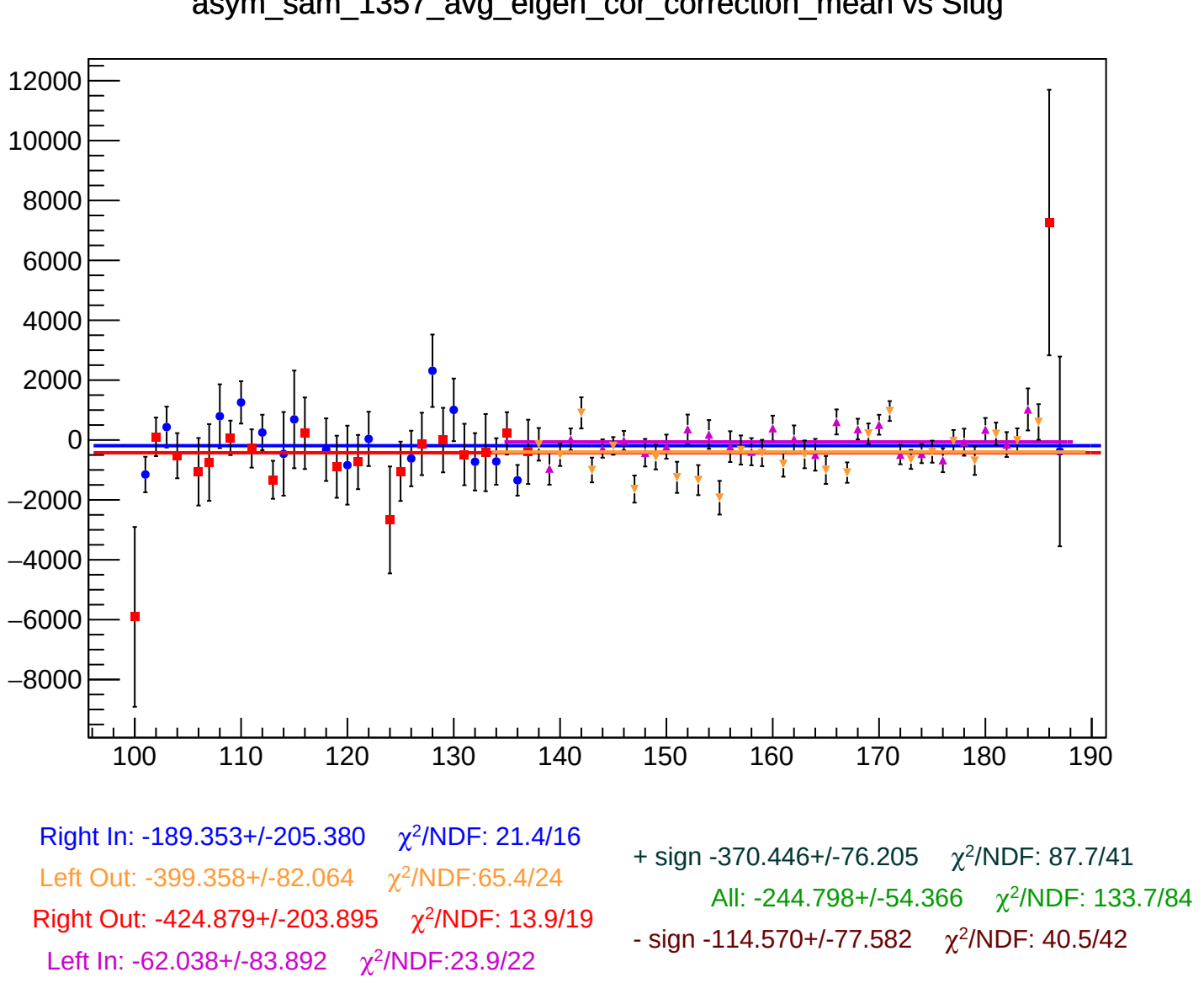
Right Out: 51.779+/-0.014 χ^2/NDF: 1318153.4/19

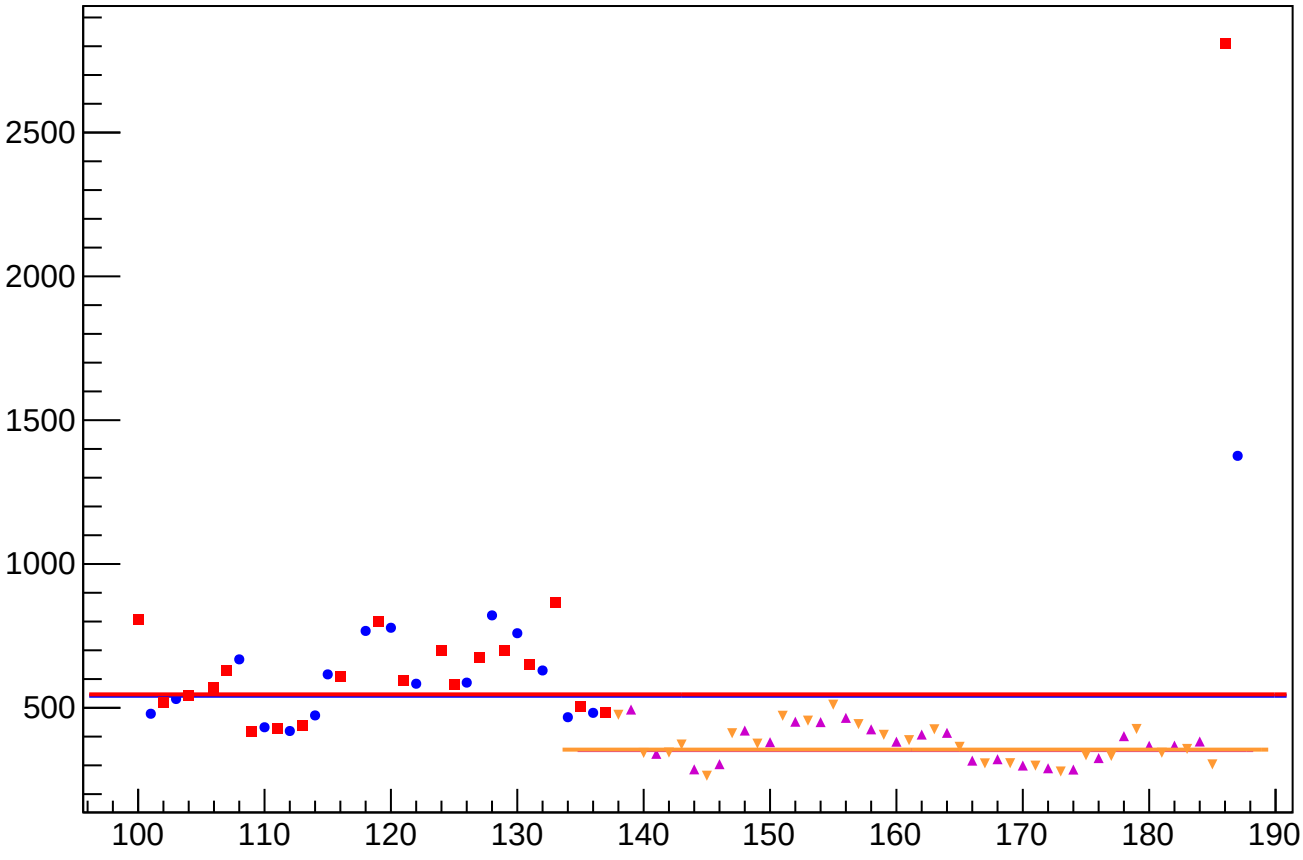
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 50.632+/-0.007 χ^2/NDF: 1209634.2/41

All: 50.741+/-0.005 χ^2/NDF: 3037772.2/84

- sign 50.854+/-0.007 χ^2/NDF: 1827653.3/42


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: -189.353+/-205.380 χ²/NDF: 21.4/16
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: -424.879+/-203.895 χ²/NDF: 13.9/19
Left In: -62.038+/-83.892 χ²/NDF:23.9/22
+ sign -370.446+/-76.205 χ²/NDF: 87.7/41
All: -244.798+/-54.366 χ²/NDF: 133.7/84
- sign -114.570+/-77.582 χ²/NDF: 40.5/42



Right In: 541.990+/-0.145 χ^2/NDF: 753083.8/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

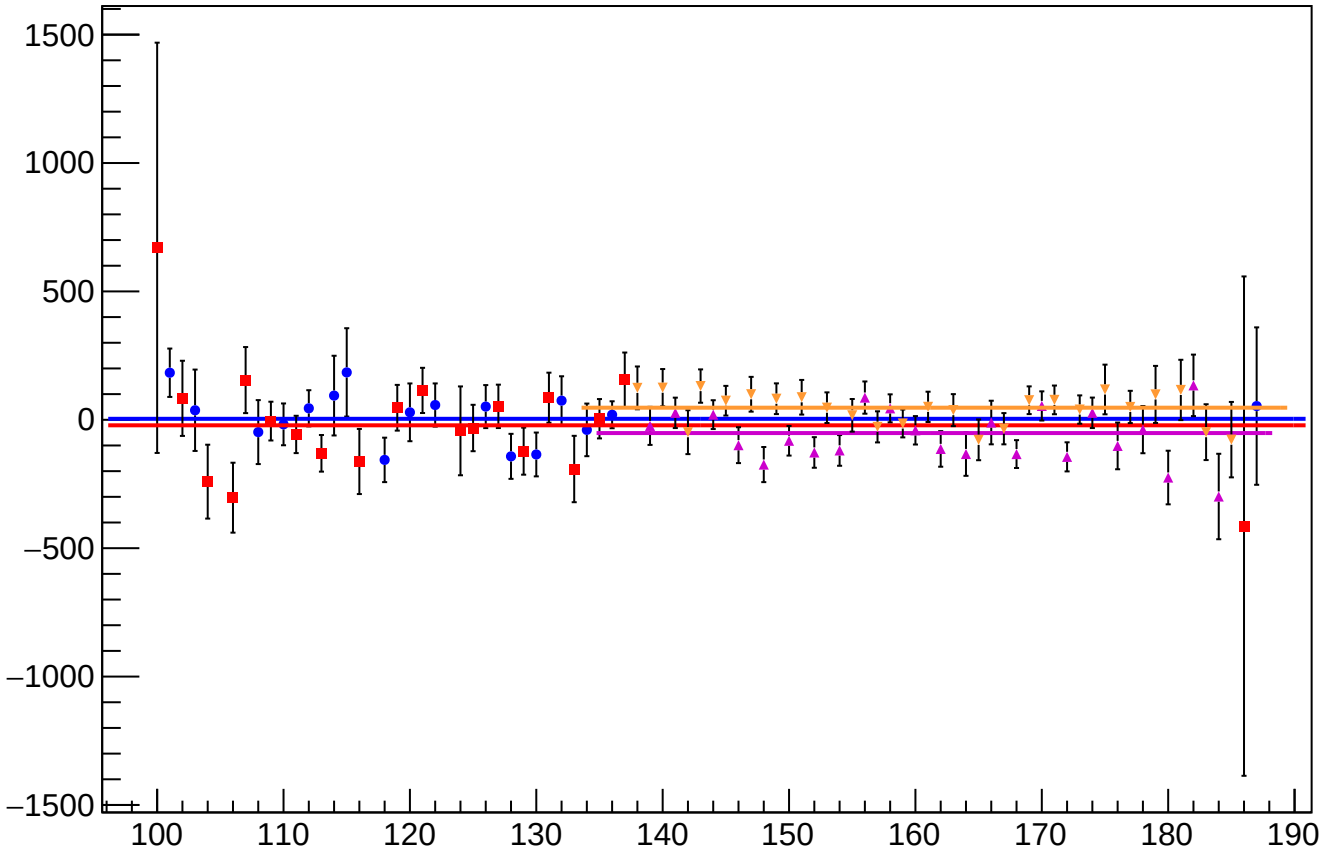
Right Out: 546.820+/-0.144 χ^2/NDF: 1153387.7/19

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 380.459+/-0.054 χ^2/NDF: 3333229.9/41

All: 380.801+/-0.038 χ^2/NDF: 7034651.8/84

- sign 381.155+/-0.055 χ^2/NDF: 3701339.9/42



Right In: 3.864+/-22.420 χ^2/NDF: 16.2/16

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -21.468+/-22.762 χ^2/NDF: 24.6/19

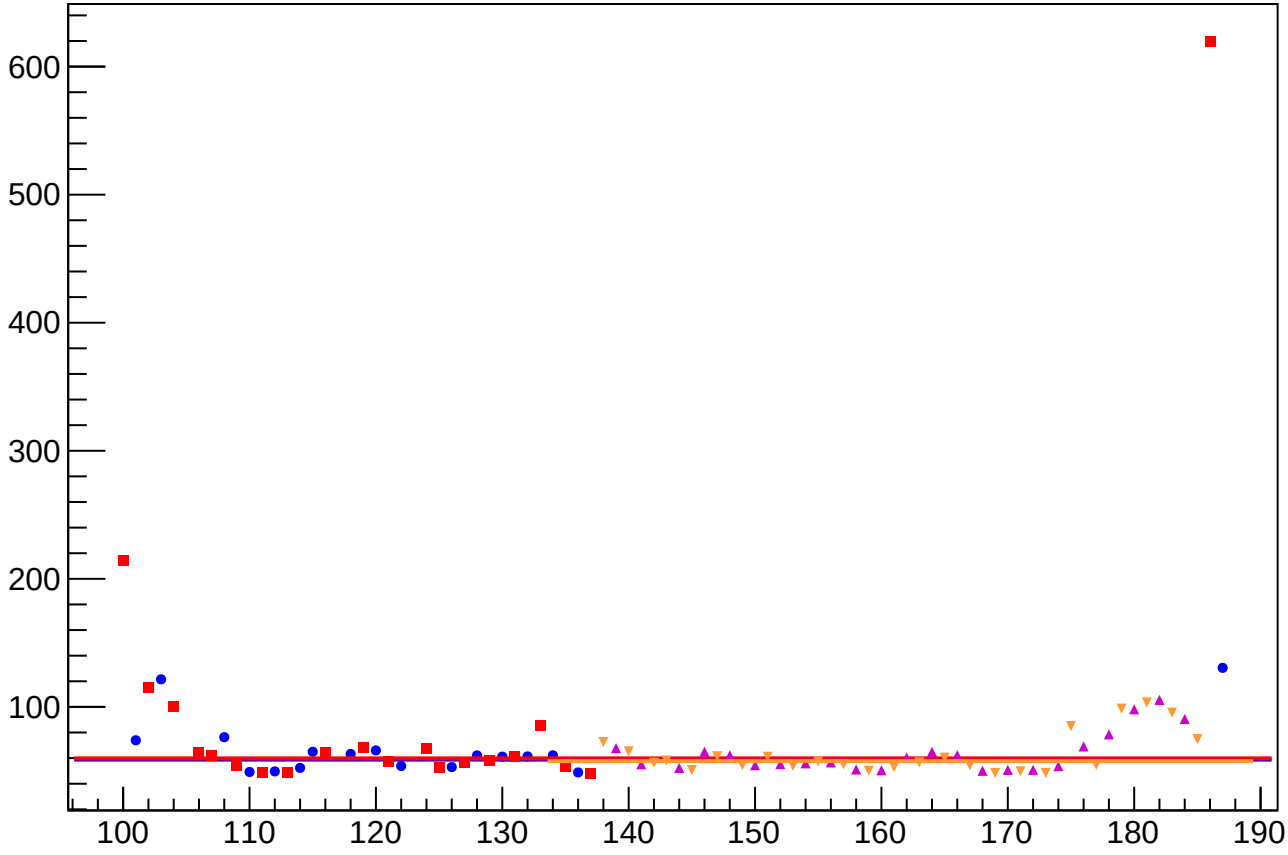
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 35.618+/-11.572 χ^2/NDF: 35.9/41

All: -2.854+/-8.291 χ^2/NDF: 122.7/84

- sign -43.425+/-11.884 χ^2/NDF: 64.1/42

dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.851+/-0.016 χ^2/NDF: 692839.3/16

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 59.791+/-0.016 χ^2/NDF: 1448066.9/19

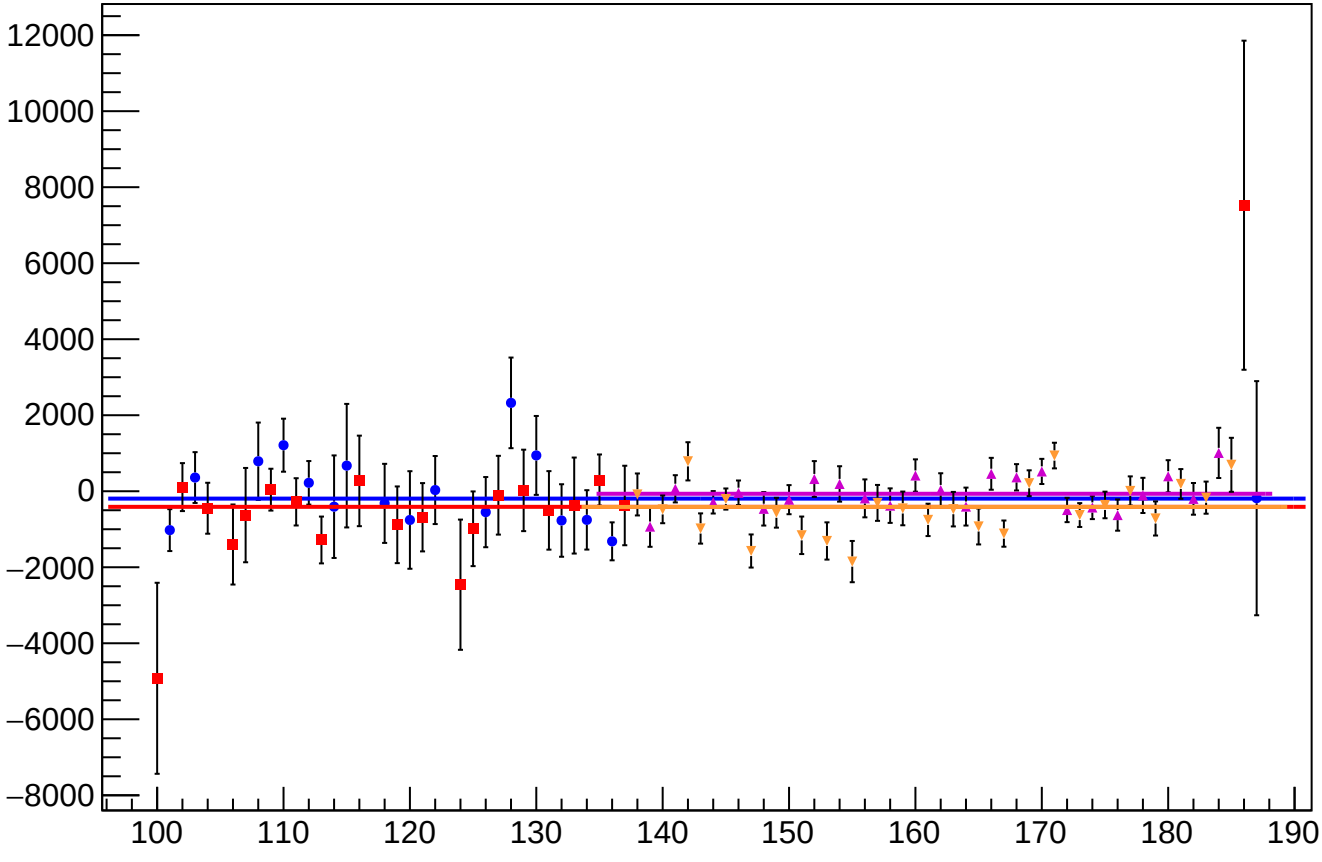
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 57.956+/-0.008 χ^2/NDF: 2062631.3/41

All: 58.194+/-0.006 χ^2/NDF: 4646576.8/84

- sign 58.445+/-0.008 χ^2/NDF: 2582209.7/42

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -193.854+/-200.179 χ^2/NDF: 20.8/16

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -410.544+/-196.801 χ^2/NDF: 14.7/19

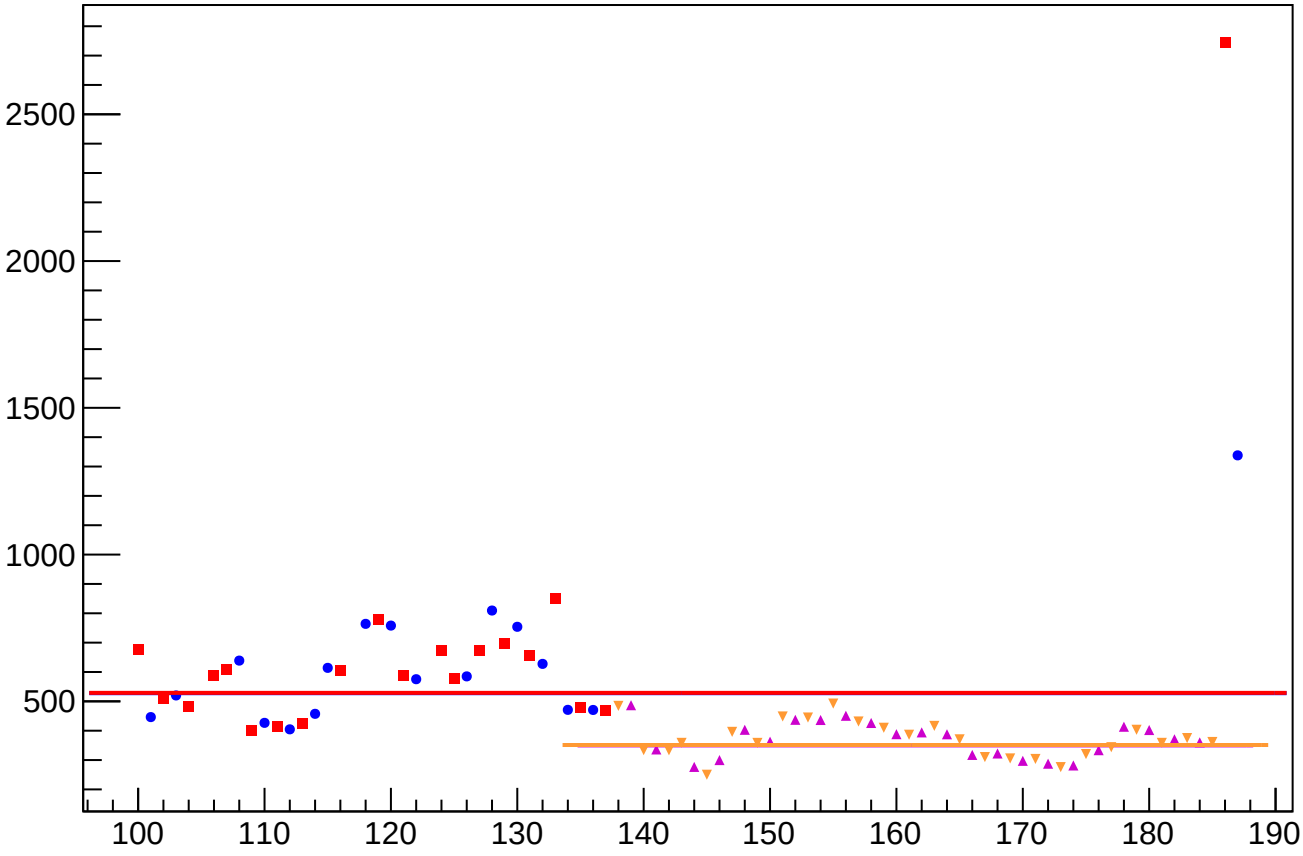
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -382.125+/-75.193 χ^2/NDF: 83.1/41

All: -252.731+/-53.640 χ^2/NDF: 129.3/84

- sign -118.657+/-76.541 χ^2/NDF: 40.2/42

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 527.763+/-0.142 χ^2/NDF: 797479.0/16

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 528.894+/-0.139 χ^2/NDF: 1210873.7/19

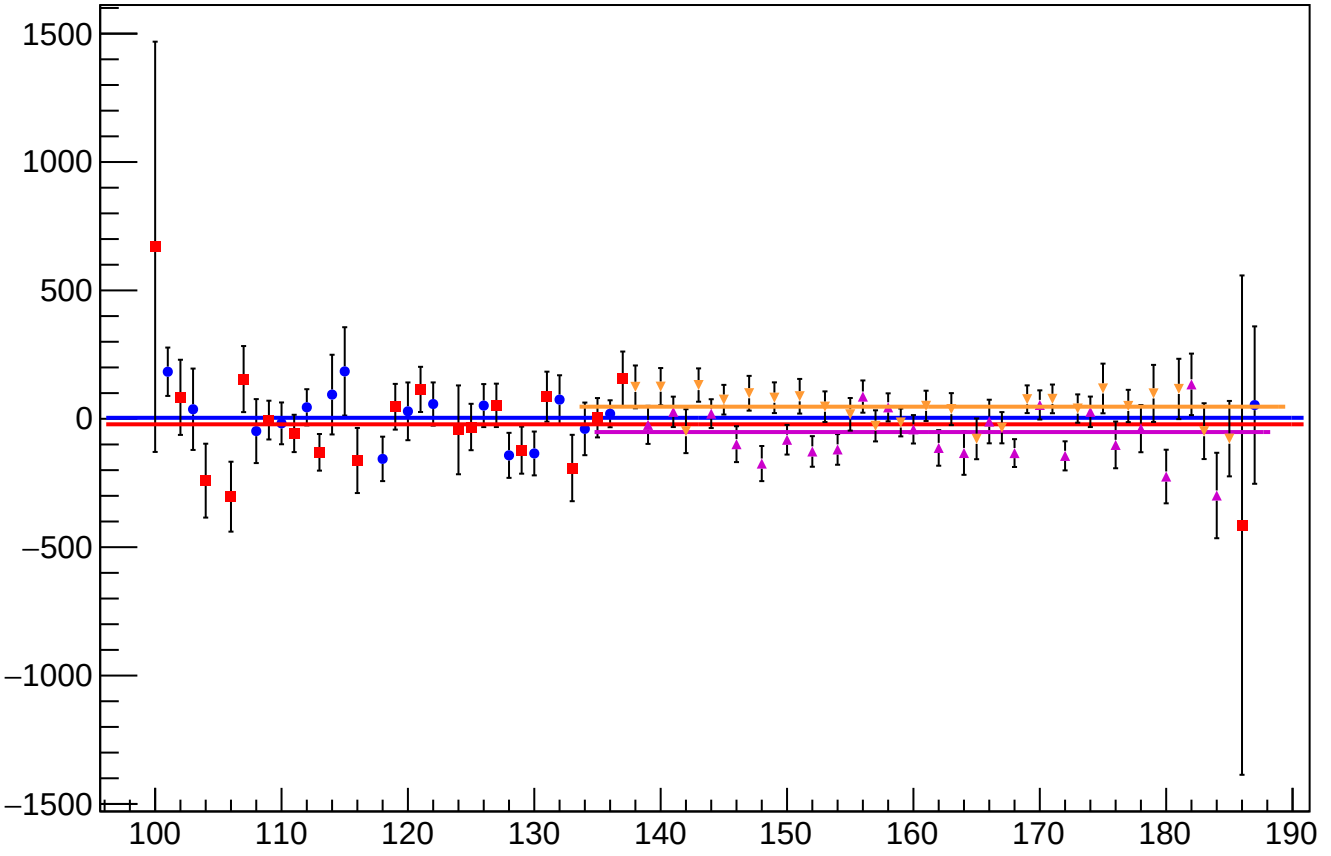
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

\+ sign 376.167+/-0.053 χ^2/NDF: 3251153.2/41

All: 376.528+/-0.038 χ^2/NDF: 6858035.9/84

\- sign 376.901+/-0.054 χ^2/NDF: 3606789.2/42

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: 3.864+/-22.420 χ^2/NDF: 16.2/16

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -21.467+/-22.762 χ^2/NDF: 24.6/19

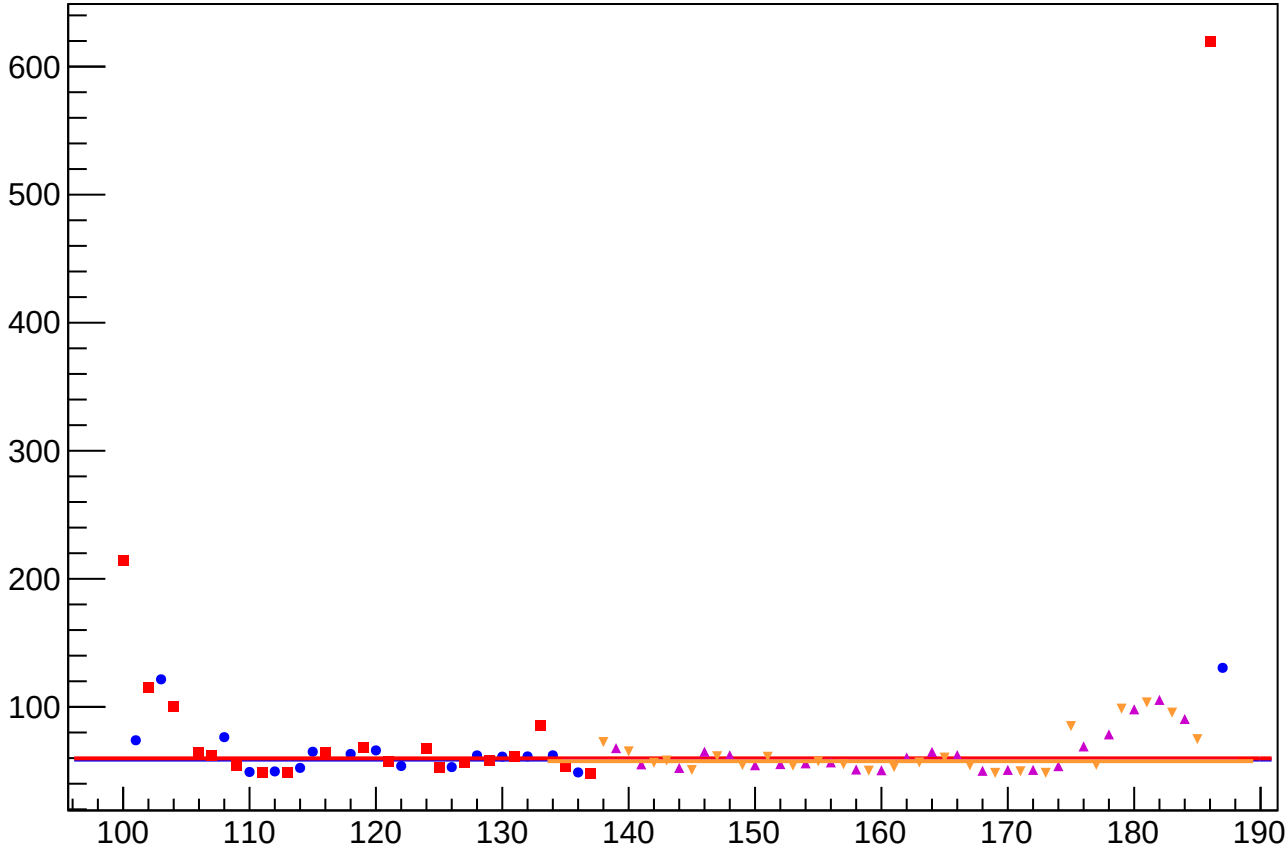
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 35.618+/-11.572 χ^2/NDF: 35.9/41

All: -2.853+/-8.291 χ^2/NDF: 122.7/84

- sign -43.424+/-11.884 χ^2/NDF: 64.1/42

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 58.851+/-0.016 χ^2/NDF: 692837.2/16

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

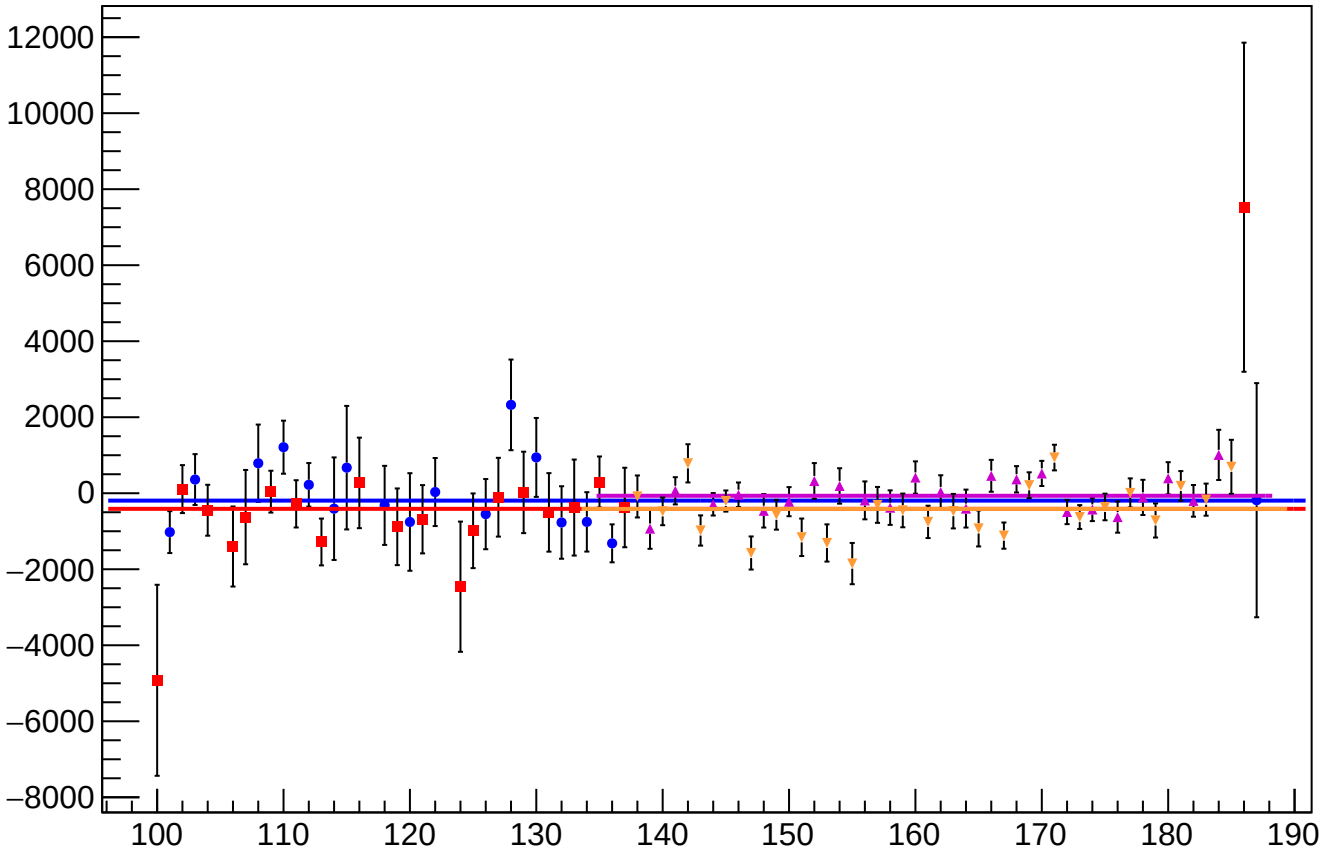
Right Out: 59.791+/-0.016 χ^2/NDF: 1448066.5/19

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 57.956+/-0.008 χ^2/NDF: 2062623.8/41

All: 58.194+/-0.006 χ^2/NDF: 4646555.5/84

- sign 58.445+/-0.008 χ^2/NDF: 2582195.8/42



Right In: -193.853+/-200.179 χ^2/NDF: 20.8/16

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

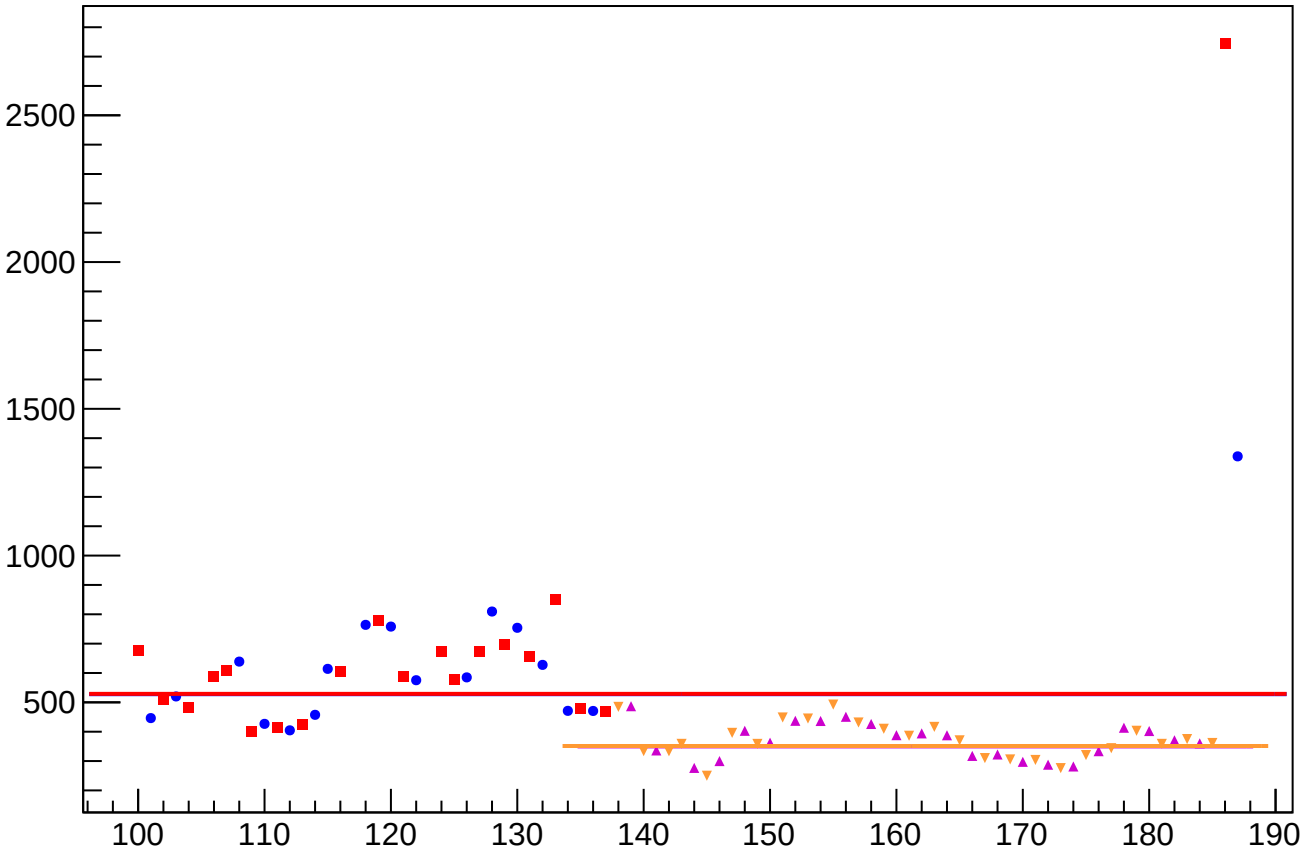
Right Out: -410.543+/-196.801 χ^2/NDF: 14.7/19

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

\+ sign -382.125+/-75.193 χ^2/NDF: 83.1/41

All: -252.731+/-53.640 χ^2/NDF: 129.3/84

\- sign -118.657+/-76.541 χ^2/NDF: 40.2/42



Right In: 527.762+/-0.142 χ^2/NDF: 797484.3/16

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 528.893+/-0.139 χ^2/NDF: 1210875.2/19

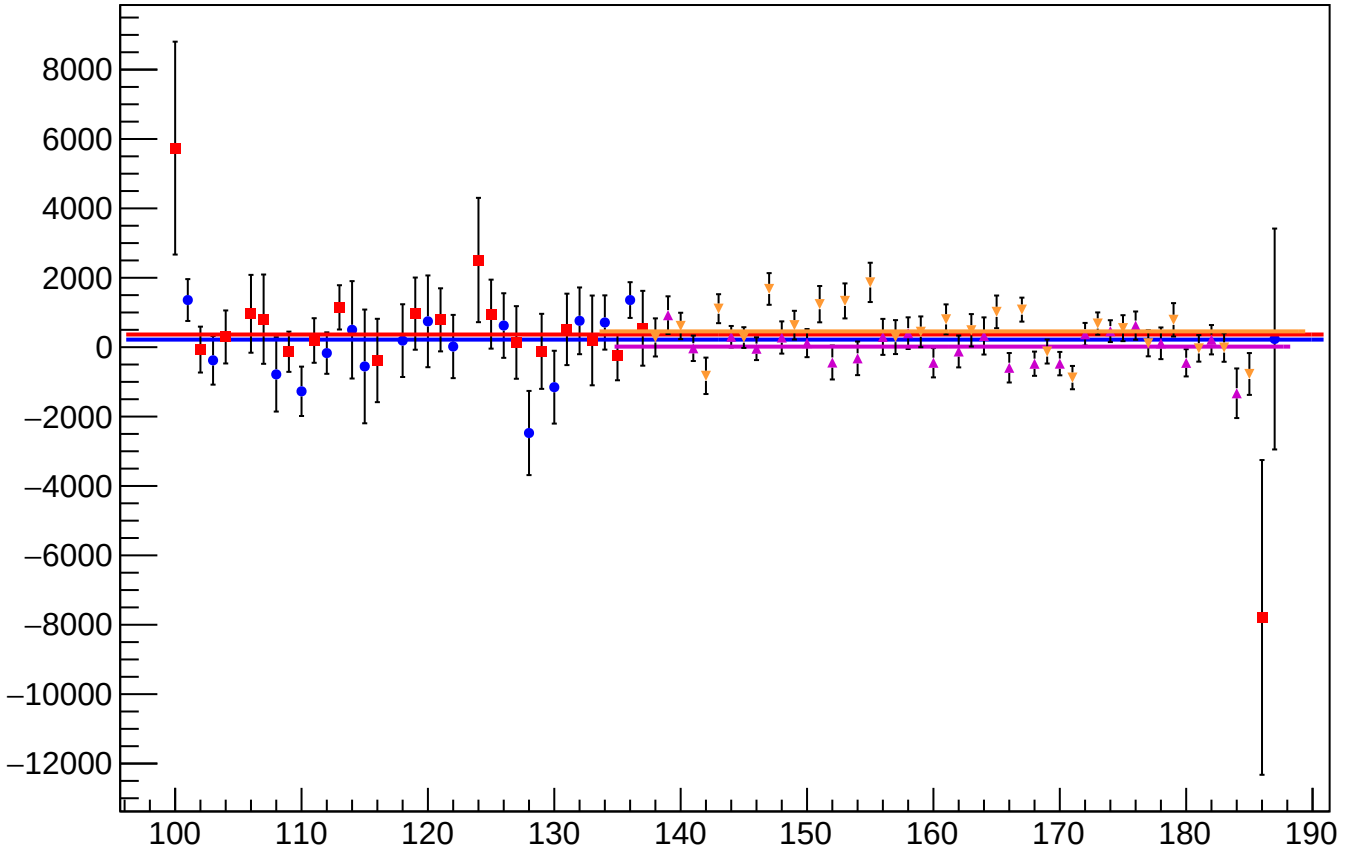
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 376.167+/-0.053 χ^2/NDF: 3251147.0/41

All: 376.527+/-0.038 χ^2/NDF: 6858015.8/84

- sign 376.901+/-0.054 χ^2/NDF: 3606775.3/42

asym_sam_1357_avg_mean vs Slug



Right In: 217.831+/-207.052 χ^2/NDF: 22.9/16

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 365.086+/-205.374 χ^2/NDF: 13.2/19

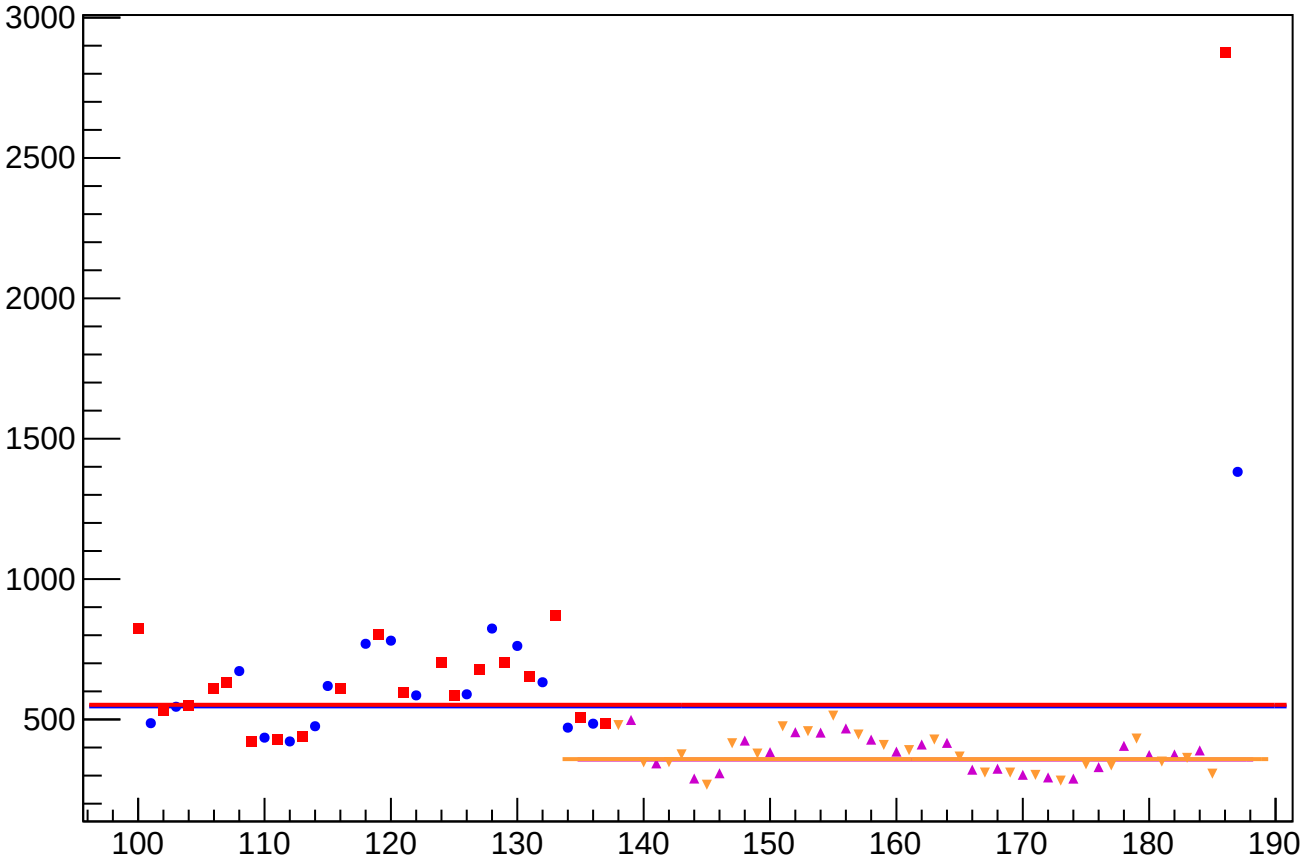
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 422.394+/-77.009 χ^2/NDF: 84.9/41

All: 247.860+/-54.941 χ^2/NDF: 135.9/84

- sign 66.940+/-78.405 χ^2/NDF: 40.5/42

asym_sam_1357_avg_rms vs Slug



Right In: 546.547+/-0.146 χ^2/NDF: 743595.0/16

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

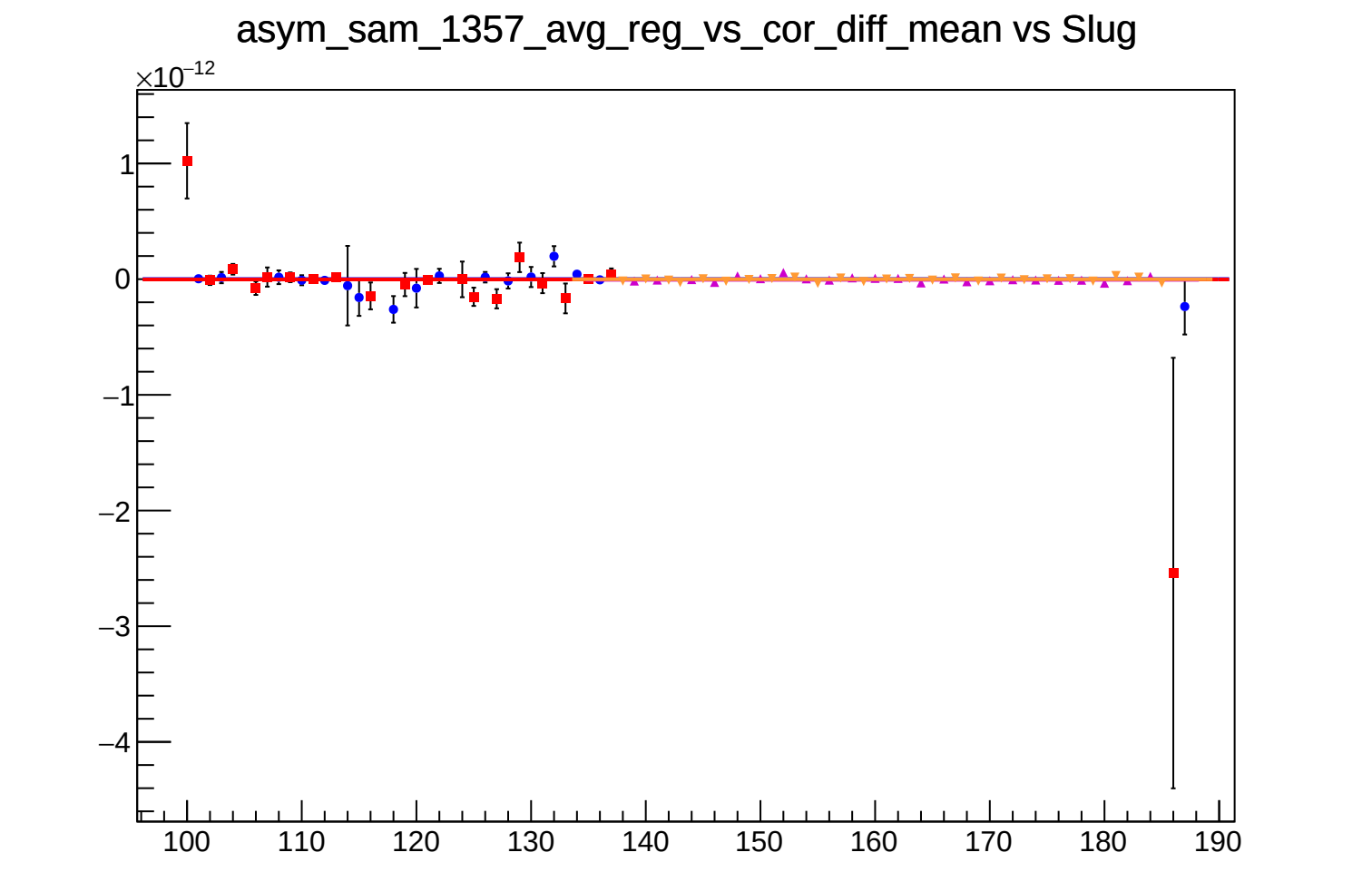
Right Out: 552.237+/-0.145 χ^2/NDF: 1156054.6/19

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

\+ sign 384.665+/-0.054 χ^2/NDF: 3281946.0/41

All: 385.130+/-0.039 χ^2/NDF: 6960919.9/84

\- sign 385.611+/-0.055 χ^2/NDF: 3678825.8/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

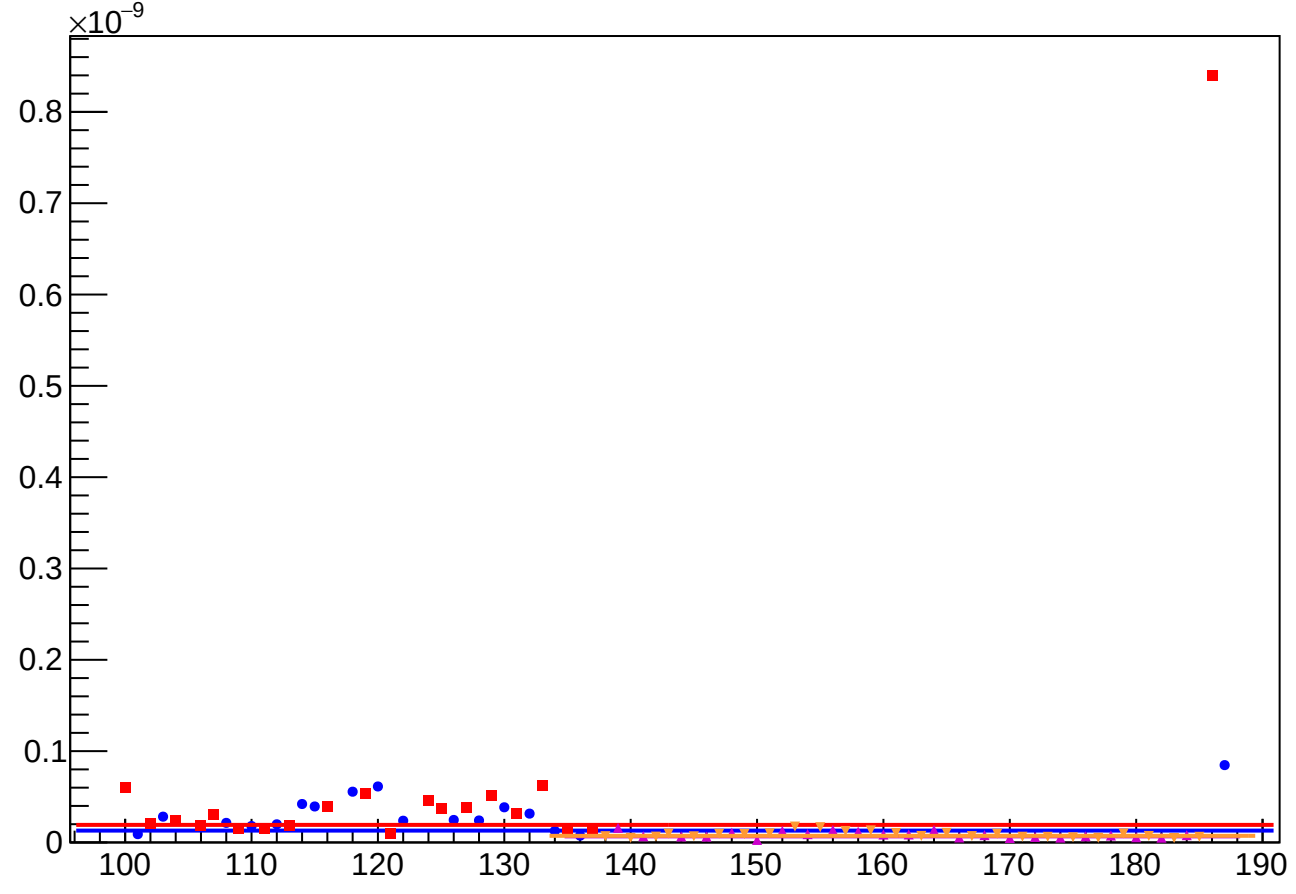
Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/19

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.8/41

All: -0.000+/-0.000 χ^2/NDF: 94.8/84

- sign -0.000+/-0.000 χ^2/NDF: 60.5/42



Right In: 0.000+/-0.000 χ^2/NDF: 1933406.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1756640.1/19

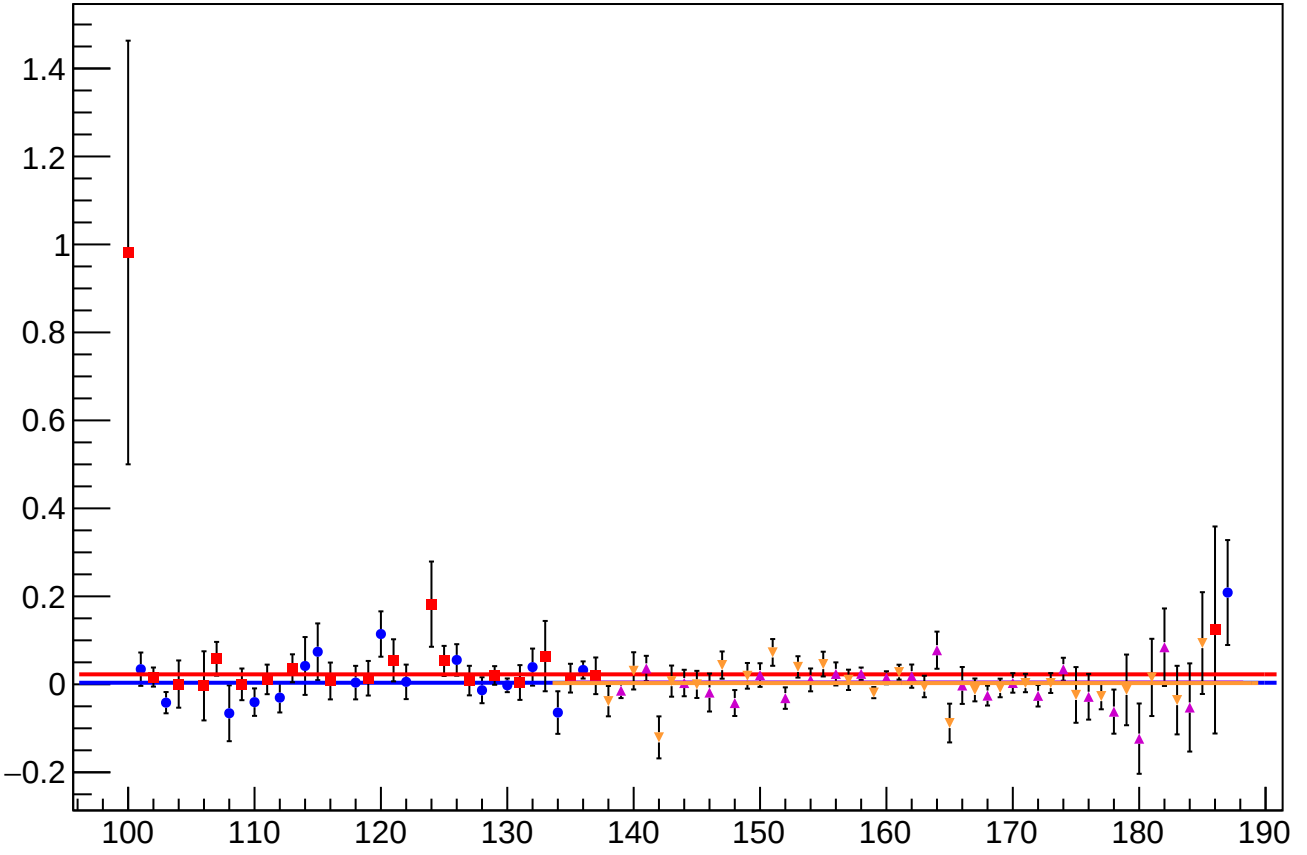
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 4098684.0/41

All: 0.000+/-0.000 χ^2/NDF: 9670382.3/84

- sign 0.000+/-0.000 χ^2/NDF: 5542485.8/42

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.023+/-0.008 χ^2/NDF: 11.0/19

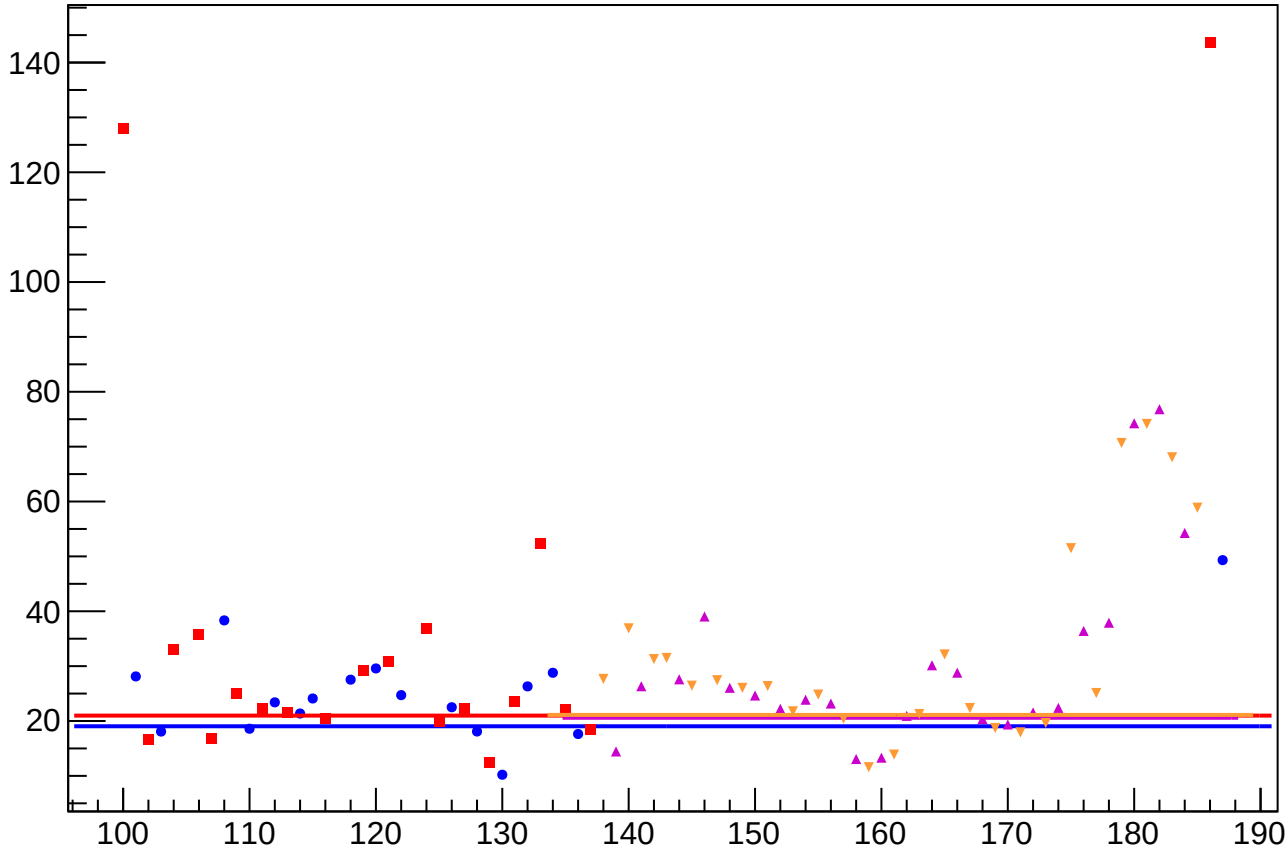
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 57.7/41

All: 0.006+/-0.003 χ^2/NDF: 97.8/84

- sign 0.009+/-0.005 χ^2/NDF: 39.0/42

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 19.041+/-0.006 χ^2/NDF: 1519763.9/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

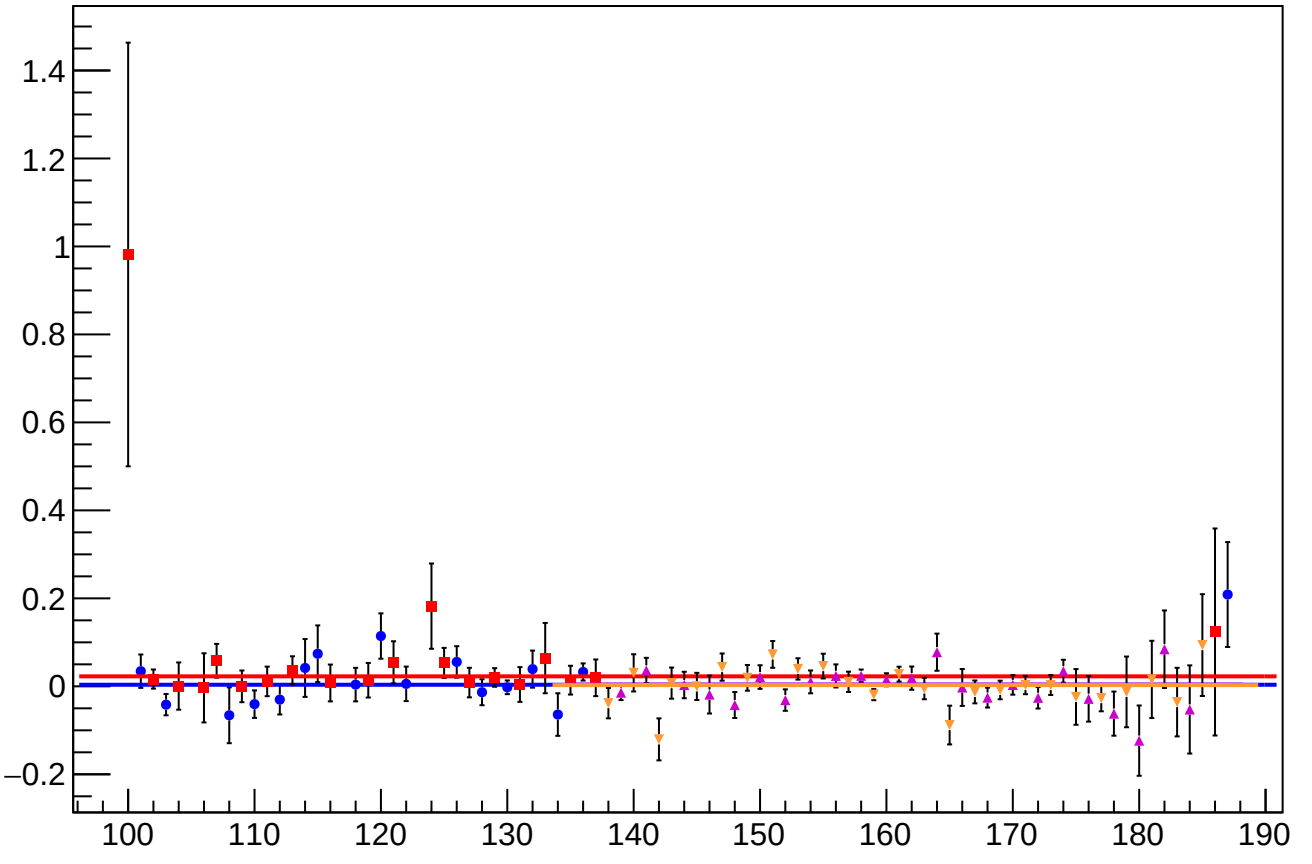
Right Out: 20.985+/-0.006 χ^2/NDF: 1835585.6/19

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.428+/-0.003 χ^2/NDF: 7160898.2/41

All: 20.564+/-0.002 χ^2/NDF: 13602833.4/84

- sign 20.707+/-0.003 χ^2/NDF: 6438144.4/42



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

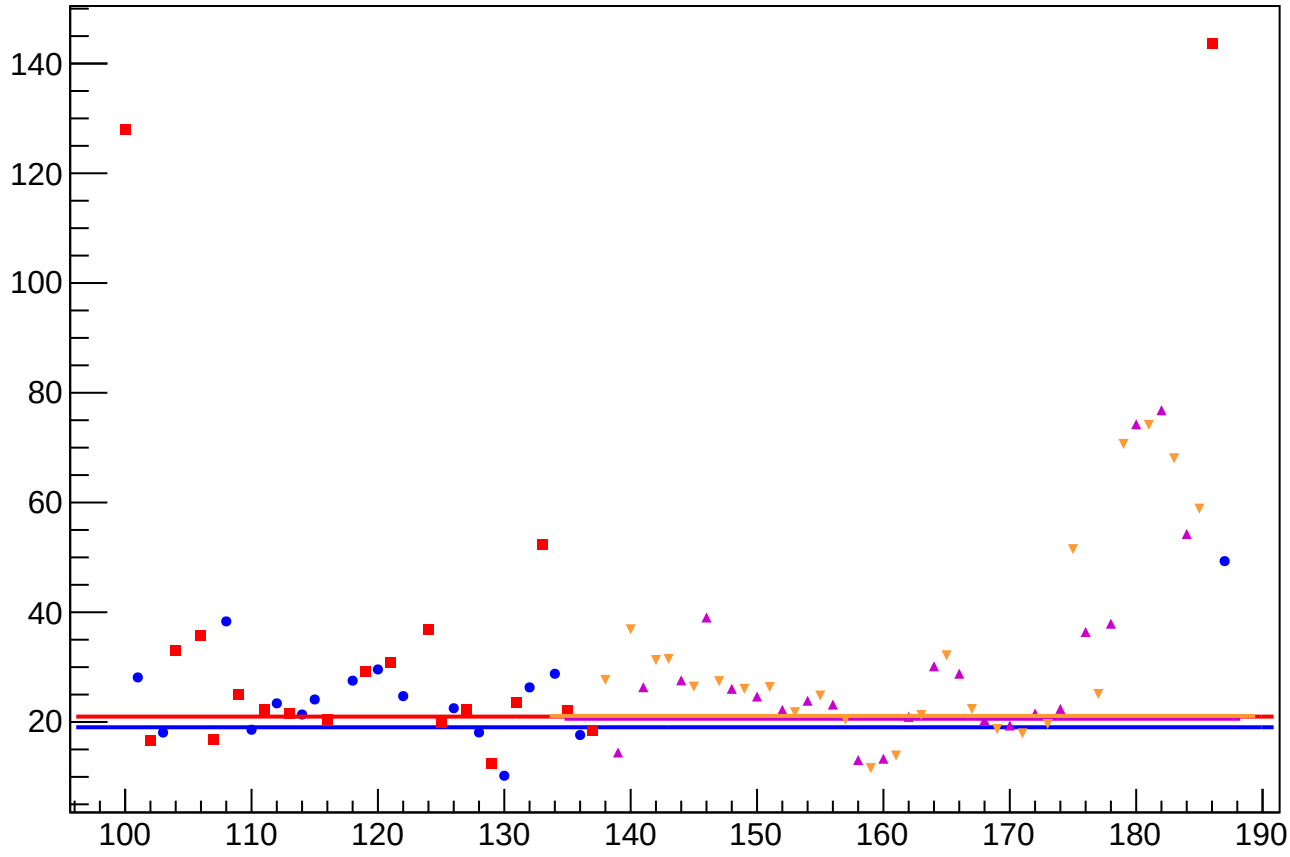
Right Out: 0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 57.7/41

All: 0.006+/-0.003 χ^2/NDF: 97.8/84

- sign 0.009+/-0.005 χ^2/NDF: 39.0/42



Right In: 19.041+/-0.006 χ^2/NDF: 1519763.9/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

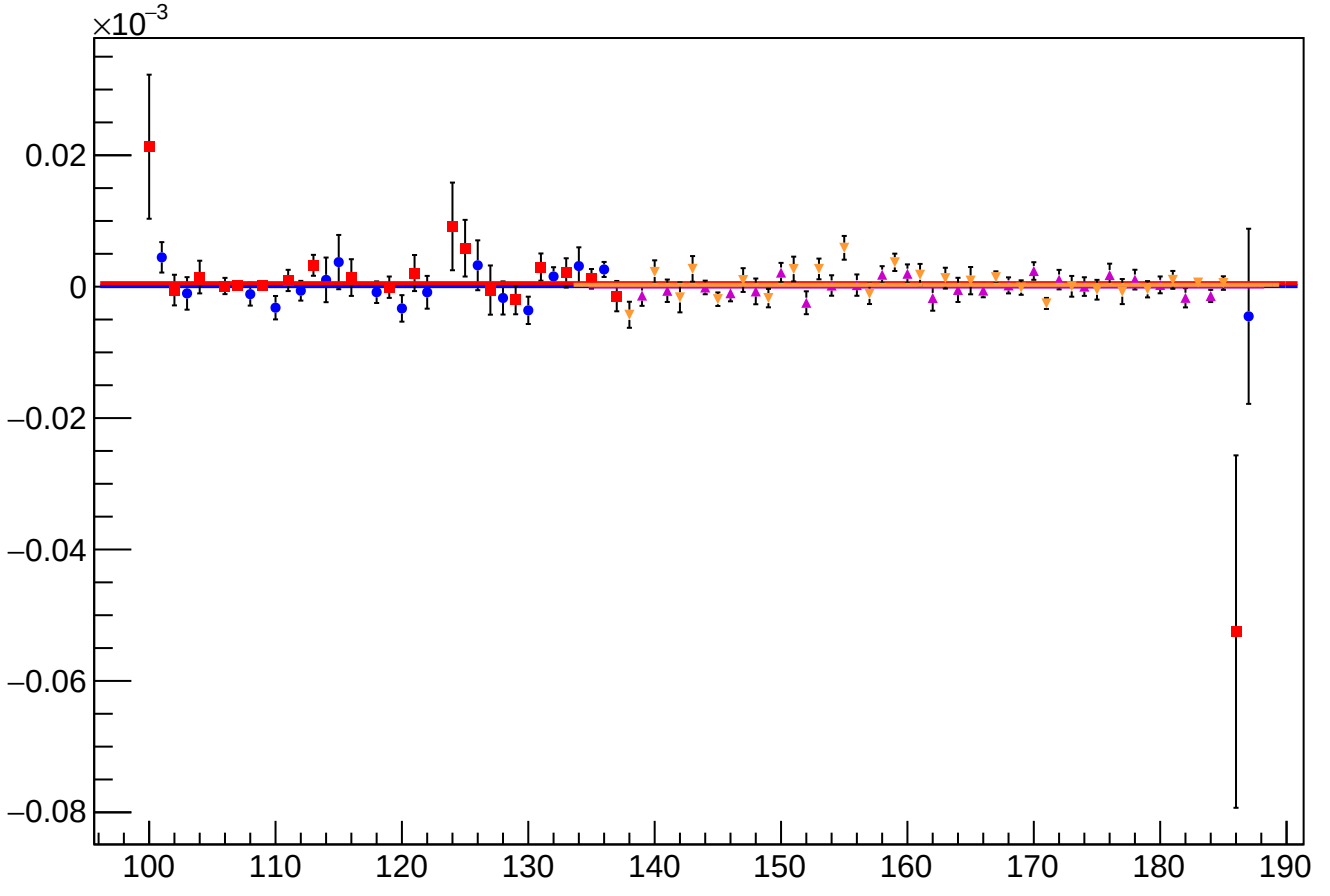
Right Out: 20.985+/-0.006 χ^2/NDF: 1835585.6/19

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 20.428+/-0.003 χ^2/NDF: 7160898.2/41

All: 20.564+/-0.002 χ^2/NDF: 13602833.4/84

- sign 20.707+/-0.003 χ^2/NDF: 6438144.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/19

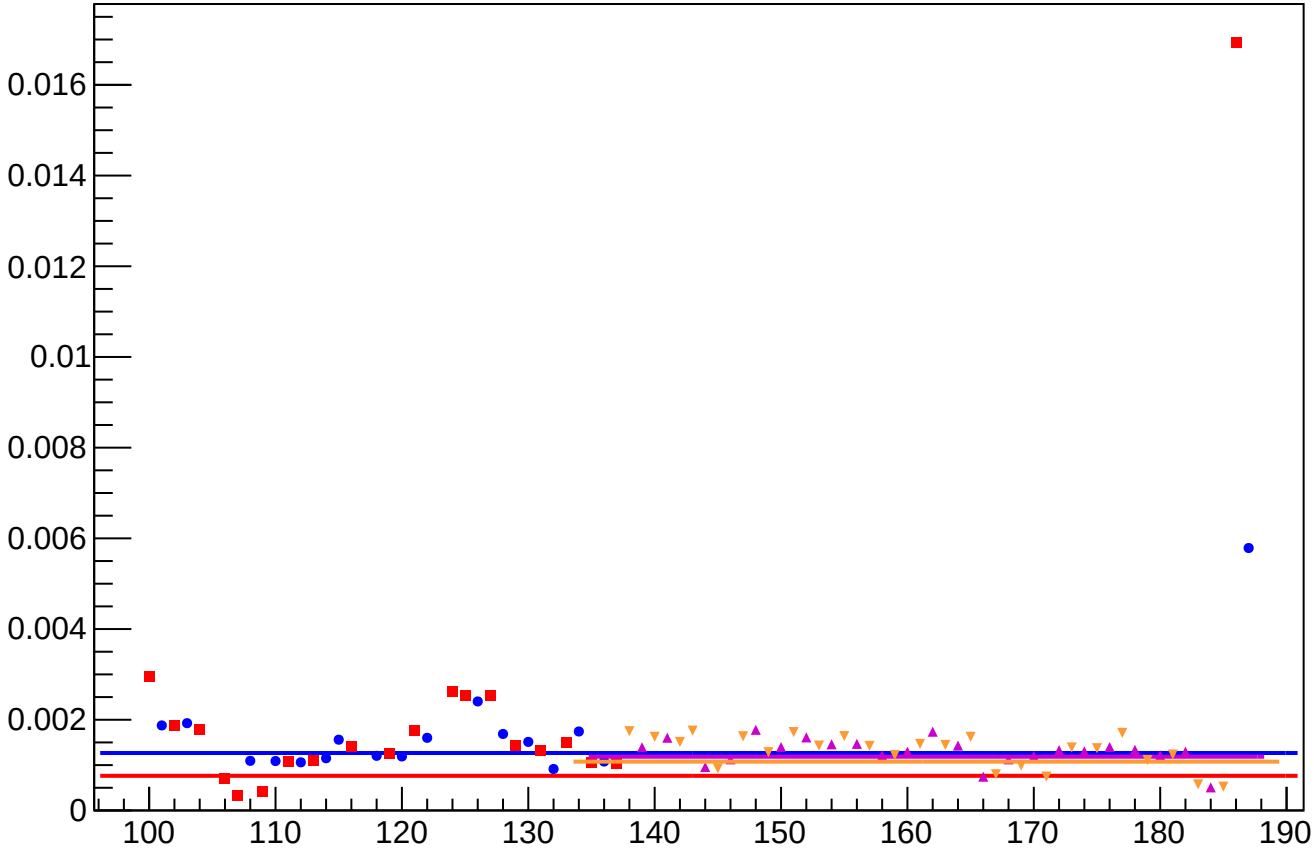
Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.4/41

All: 0.000+/-0.000 χ^2/NDF: 117.1/84

- sign 0.000+/-0.000 χ^2/NDF: 40.7/42

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 1137725.8/16

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

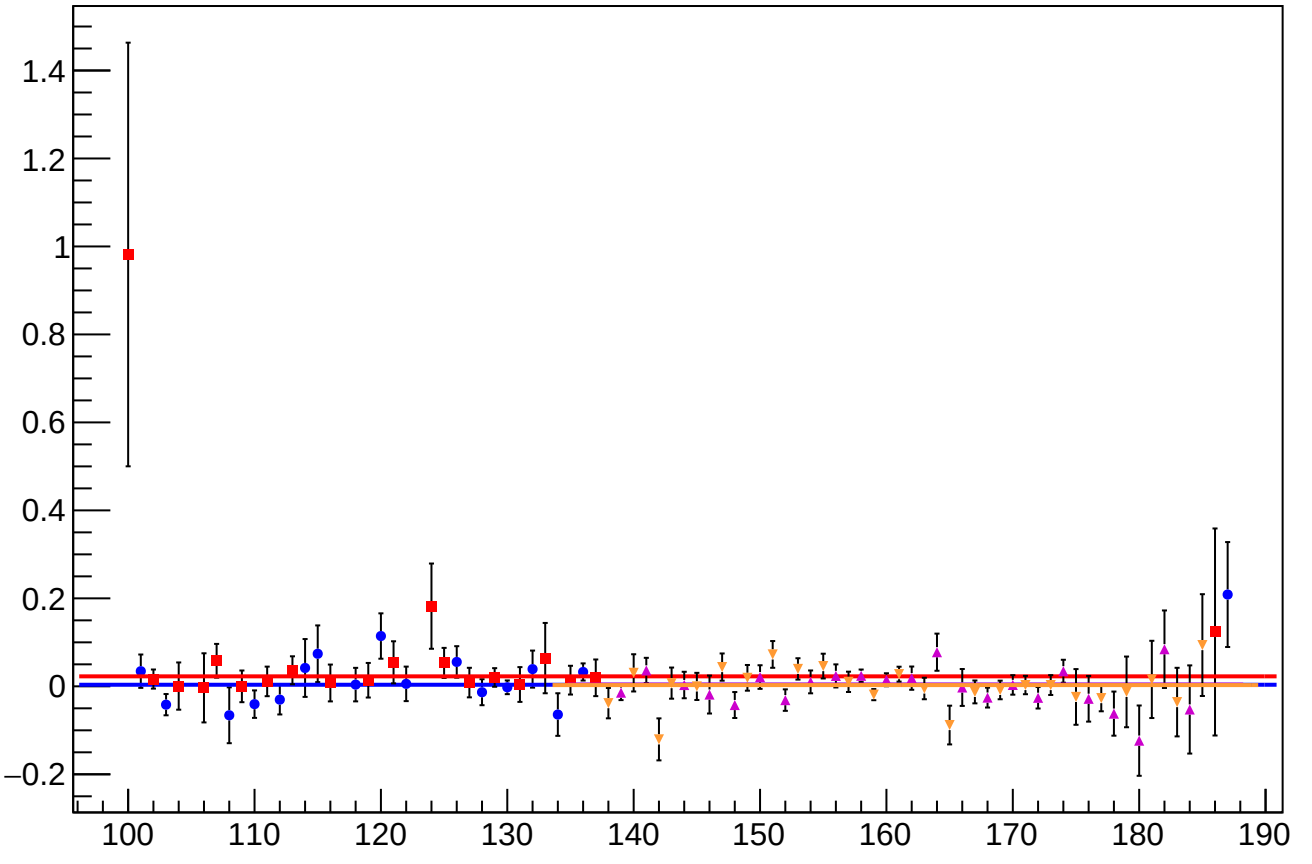
Right Out: 0.001+/-0.000 χ^2/NDF: 5399650.9/19

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 5920569.0/41

All: 0.001+/-0.000 χ^2/NDF: 15812437.6/84

- sign 0.001+/-0.000 χ^2/NDF: 9644438.3/42



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

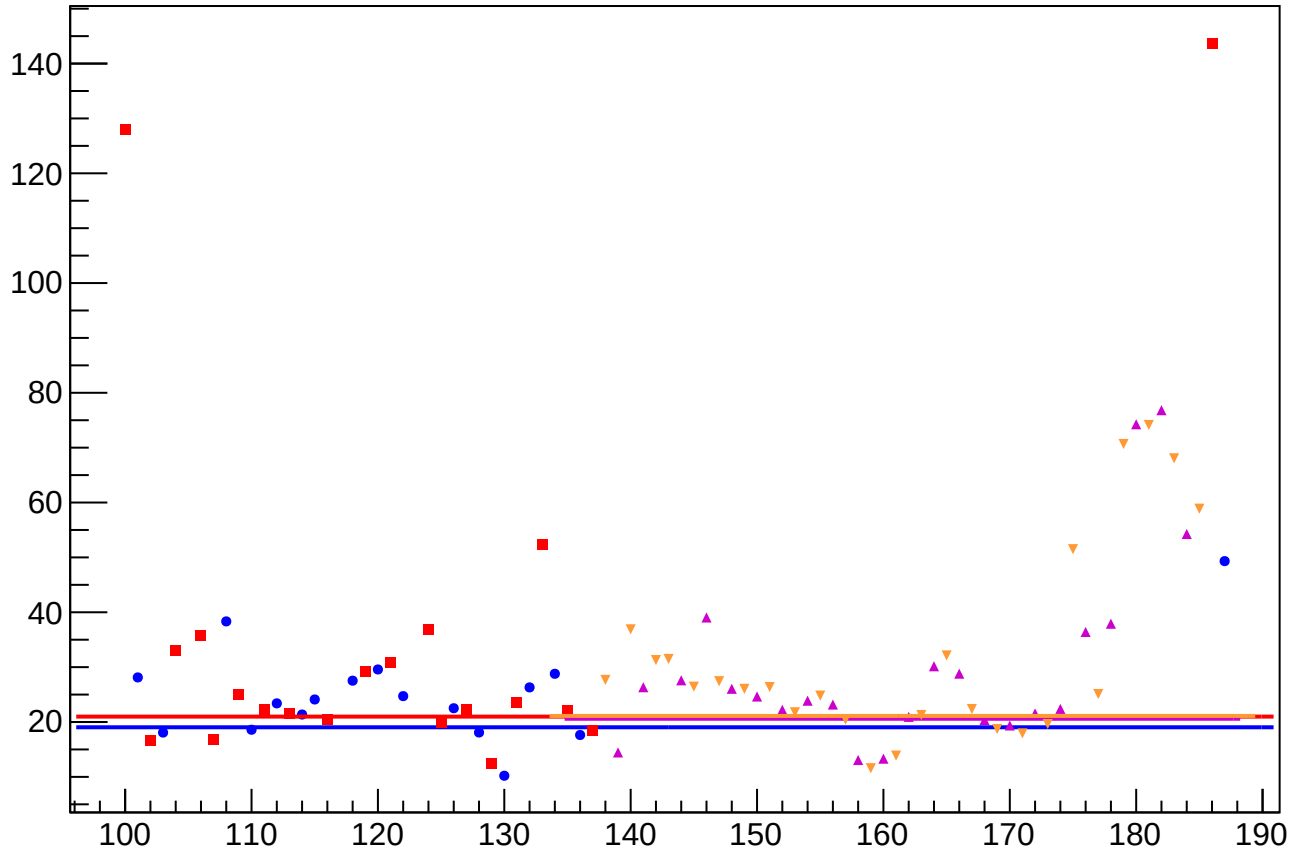
Right Out: 0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 57.7/41

All: 0.006+/-0.003 χ^2/NDF: 97.8/84

- sign 0.009+/-0.005 χ^2/NDF: 39.0/42



Right In: 19.041+/-0.006 χ^2/NDF: 1519655.8/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

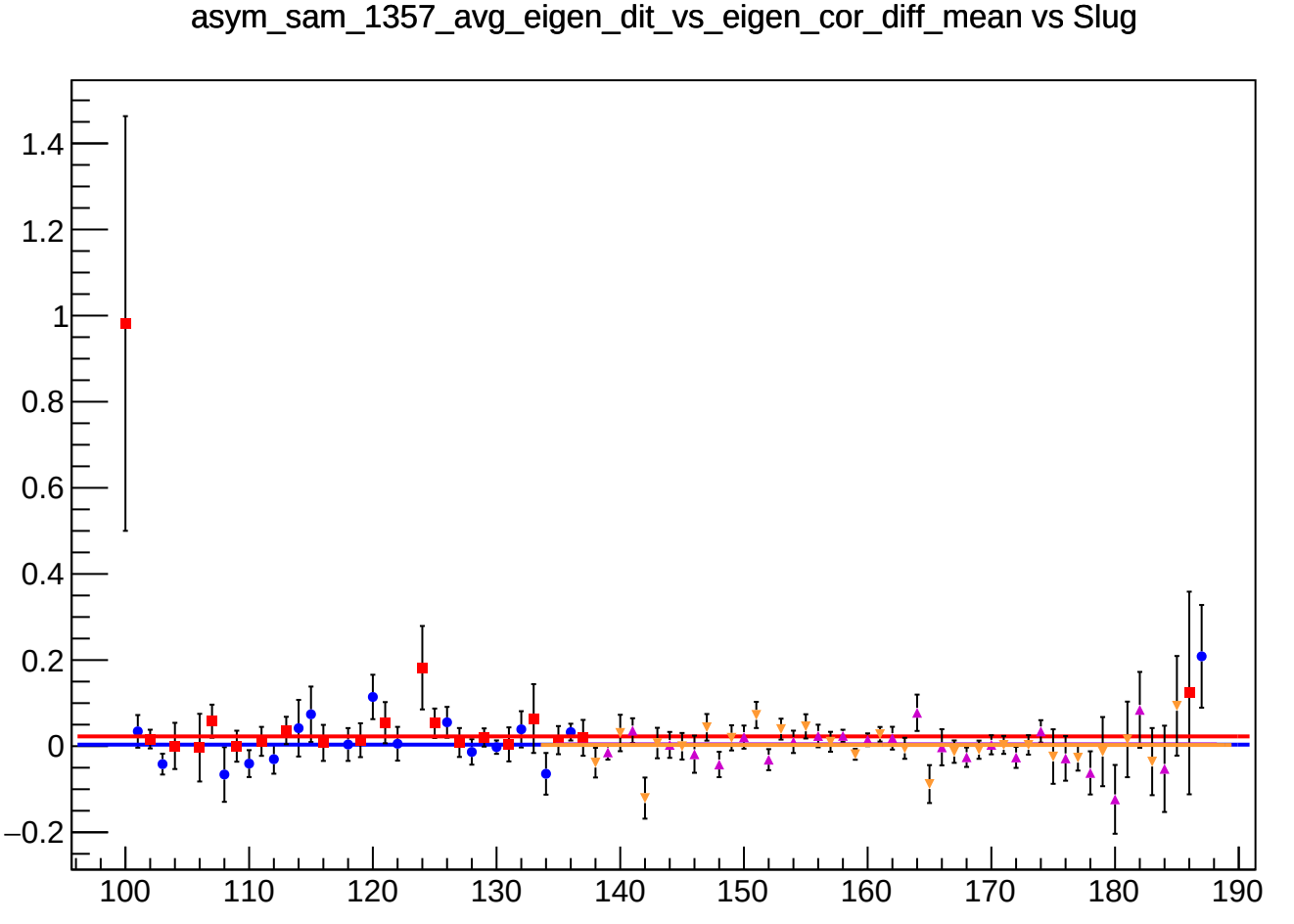
Right Out: 20.985+/-0.006 χ^2/NDF: 1835591.7/19

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.429+/-0.003 χ^2/NDF: 7160889.8/41

All: 20.565+/-0.002 χ^2/NDF: 13602834.6/84

- sign 20.707+/-0.003 χ^2/NDF: 6438153.0/42



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

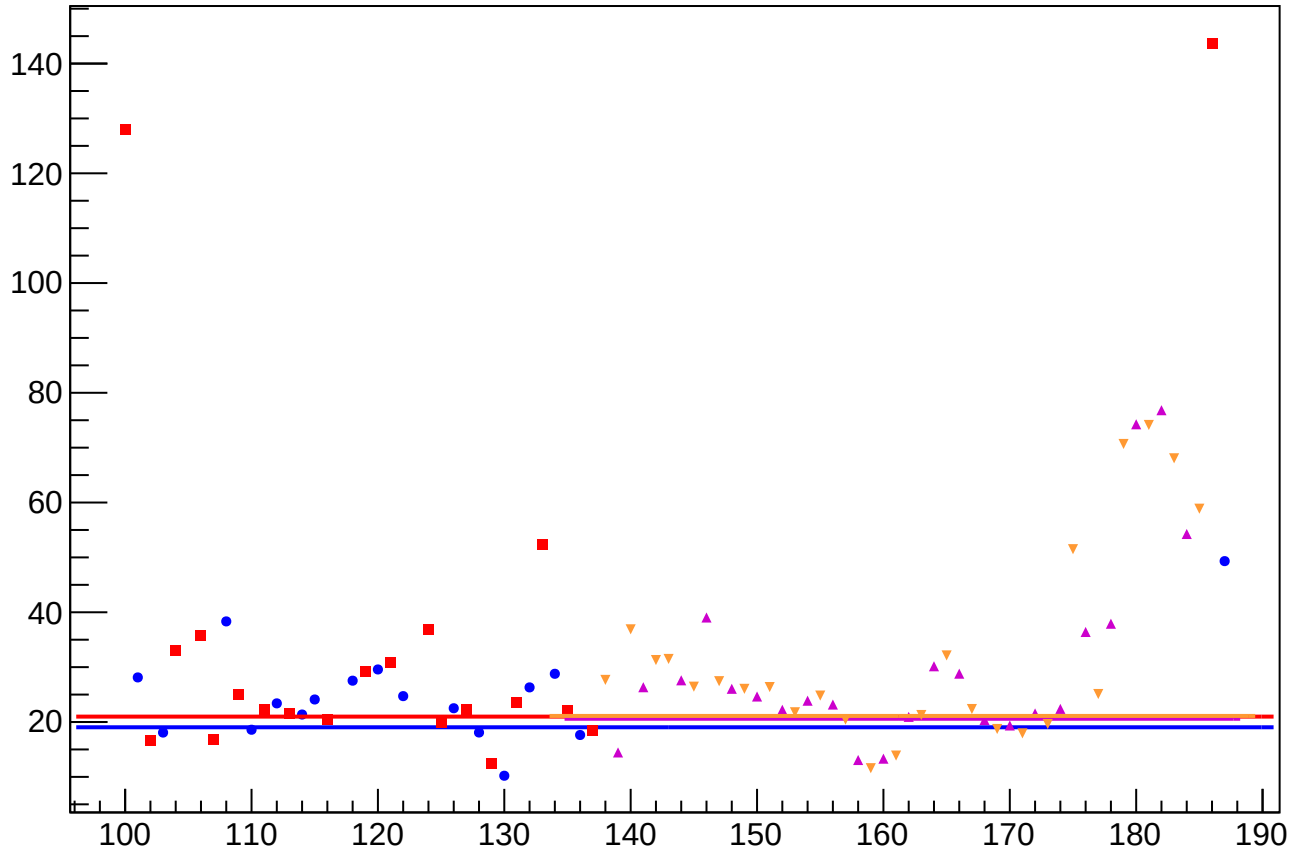
Right Out: 0.023+/-0.008 χ^2/NDF: 11.0/19

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.003+/-0.004 χ^2/NDF: 57.7/41

All: 0.006+/-0.003 χ^2/NDF: 97.8/84

- sign 0.009+/-0.005 χ^2/NDF: 39.0/42



Right In: 19.041+/-0.006 χ^2/NDF: 1519655.8/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

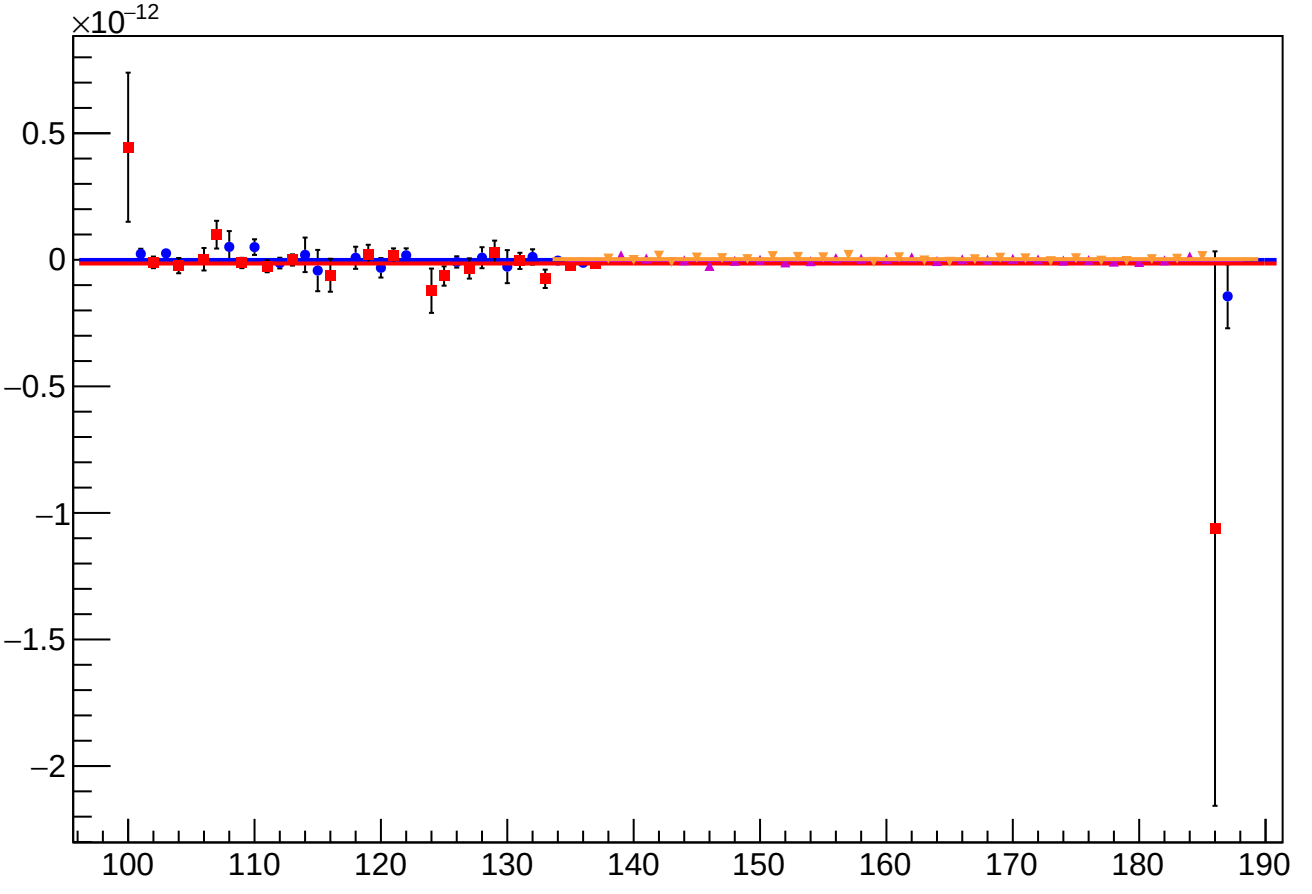
Right Out: 20.985+/-0.006 χ^2/NDF: 1835591.7/19

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 20.429+/-0.003 χ^2/NDF: 7160889.8/41

All: 20.565+/-0.002 χ^2/NDF: 13602834.6/84

- sign 20.707+/-0.003 χ^2/NDF: 6438153.0/42



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

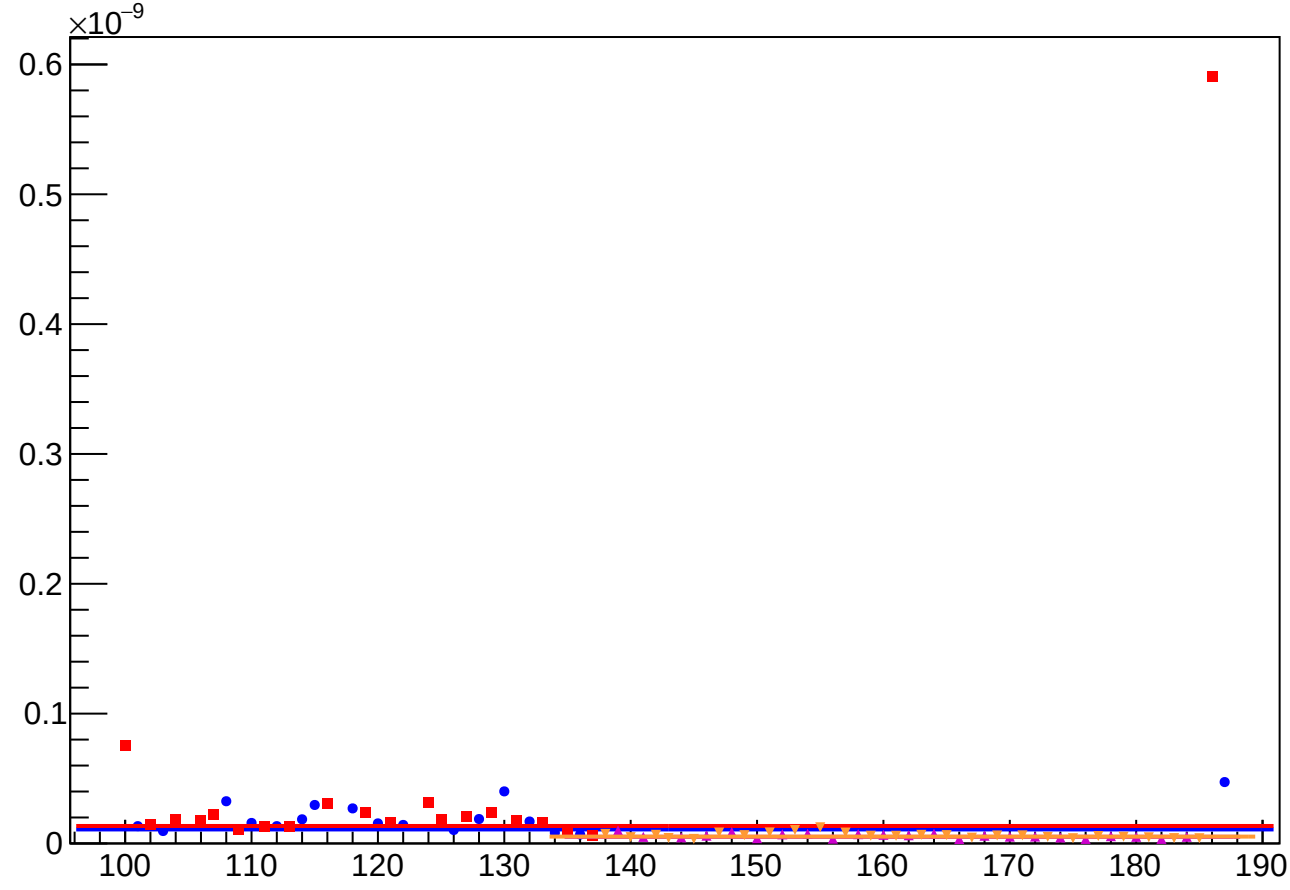
Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/19

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.7/41

All: 0.000+/-0.000 χ^2/NDF: 80.3/84

- sign -0.000+/-0.000 χ^2/NDF: 44.2/42



Right In: 0.000+/-0.000 χ^2/NDF: 2003590.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1958991.5/19

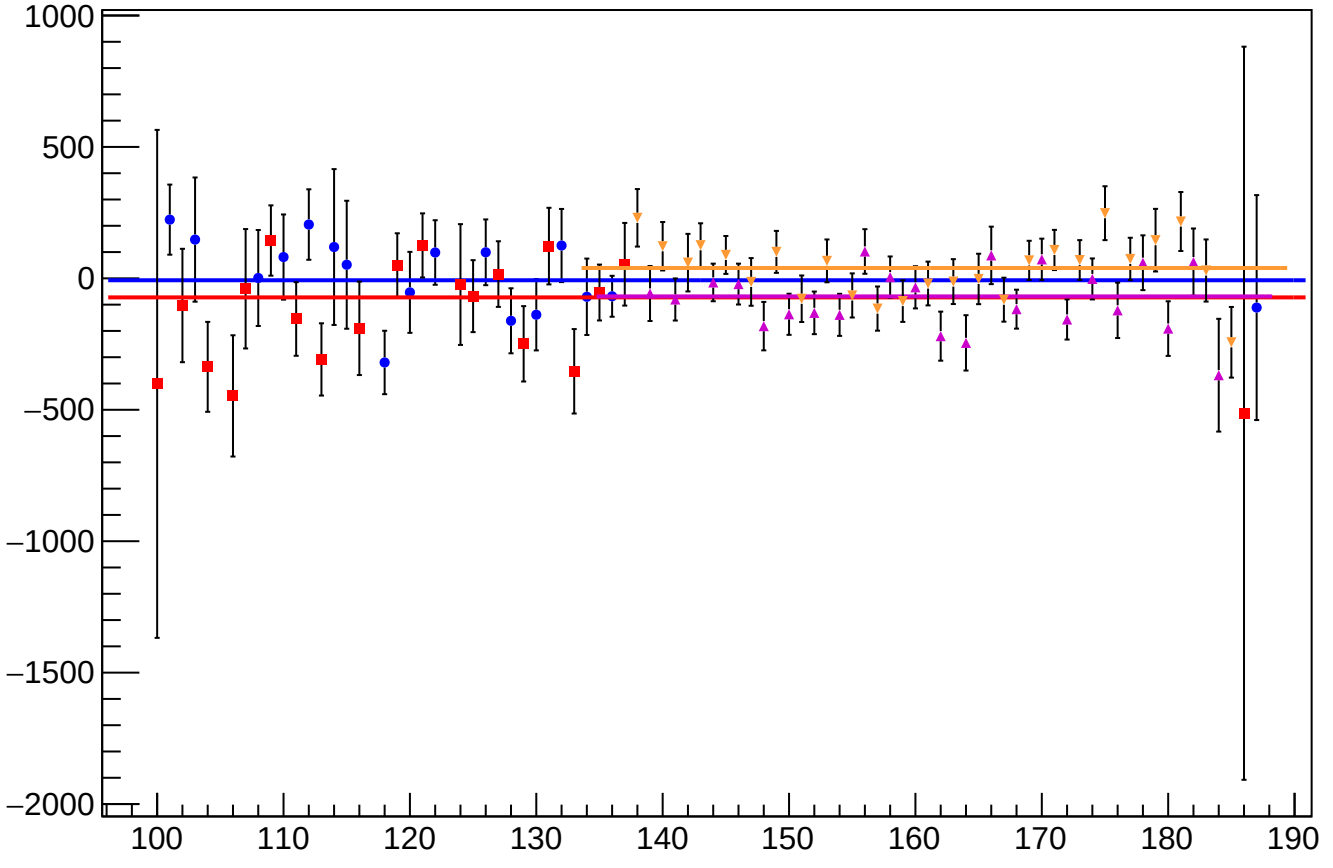
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 5870655.4/41

All: 0.000+/-0.000 χ^2/NDF: 12649984.6/84

- sign 0.000+/-0.000 χ^2/NDF: 6771481.3/42

reg_asym_sam_2468_avg_mean vs Slug



Right In: -7.226+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -72.399+/-34.872 χ^2/NDF: 22.9/19

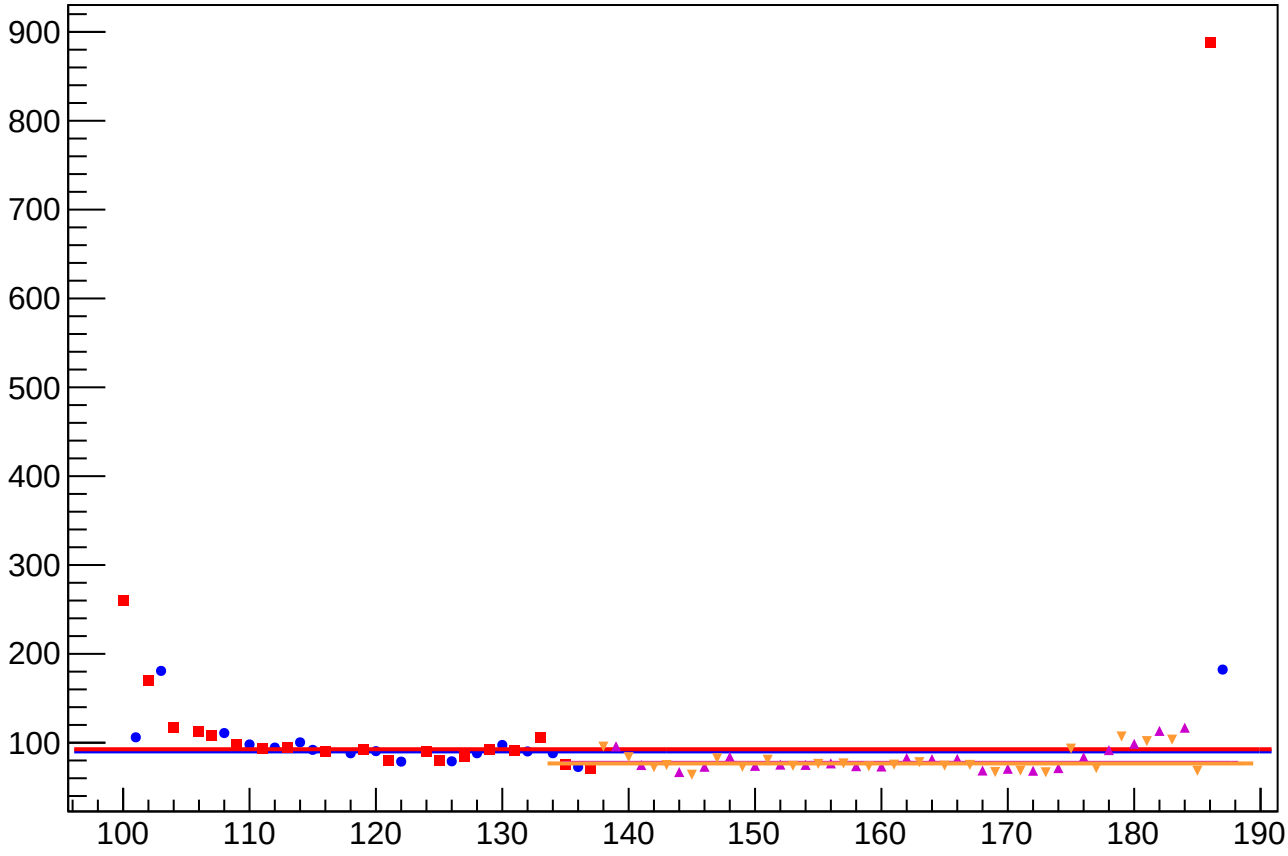
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.630+/-15.694 χ^2/NDF: 52.4/41

All: -18.282+/-11.277 χ^2/NDF: 123.6/84

- sign -69.437+/-16.216 χ^2/NDF: 51.9/42

reg_asym_sam_2468_avg_rms vs Slug



Right In: 90.195+/-0.024 χ^2/NDF: 591659.4/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

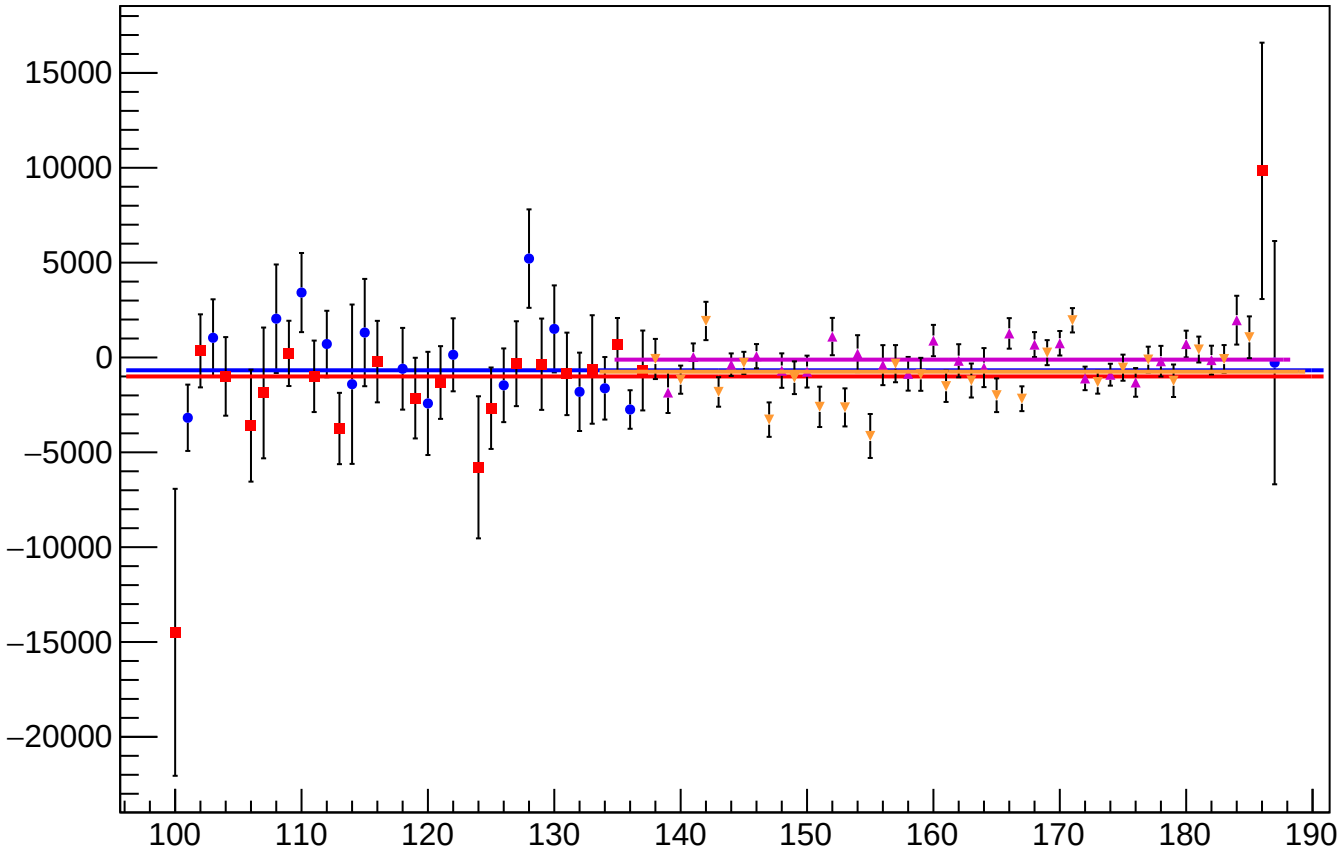
Right Out: 92.659+/-0.025 χ^2/NDF: 1193065.3/19

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.503+/-0.011 χ^2/NDF: 1494307.9/41

All: 80.062+/-0.008 χ^2/NDF: 3585191.4/84

- sign 80.659+/-0.011 χ^2/NDF: 2085636.3/42



Right In: -675.068+/-485.086 χ^2/NDF: 20.3/16

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1000.282+/-495.017 χ^2/NDF: 14.0/19

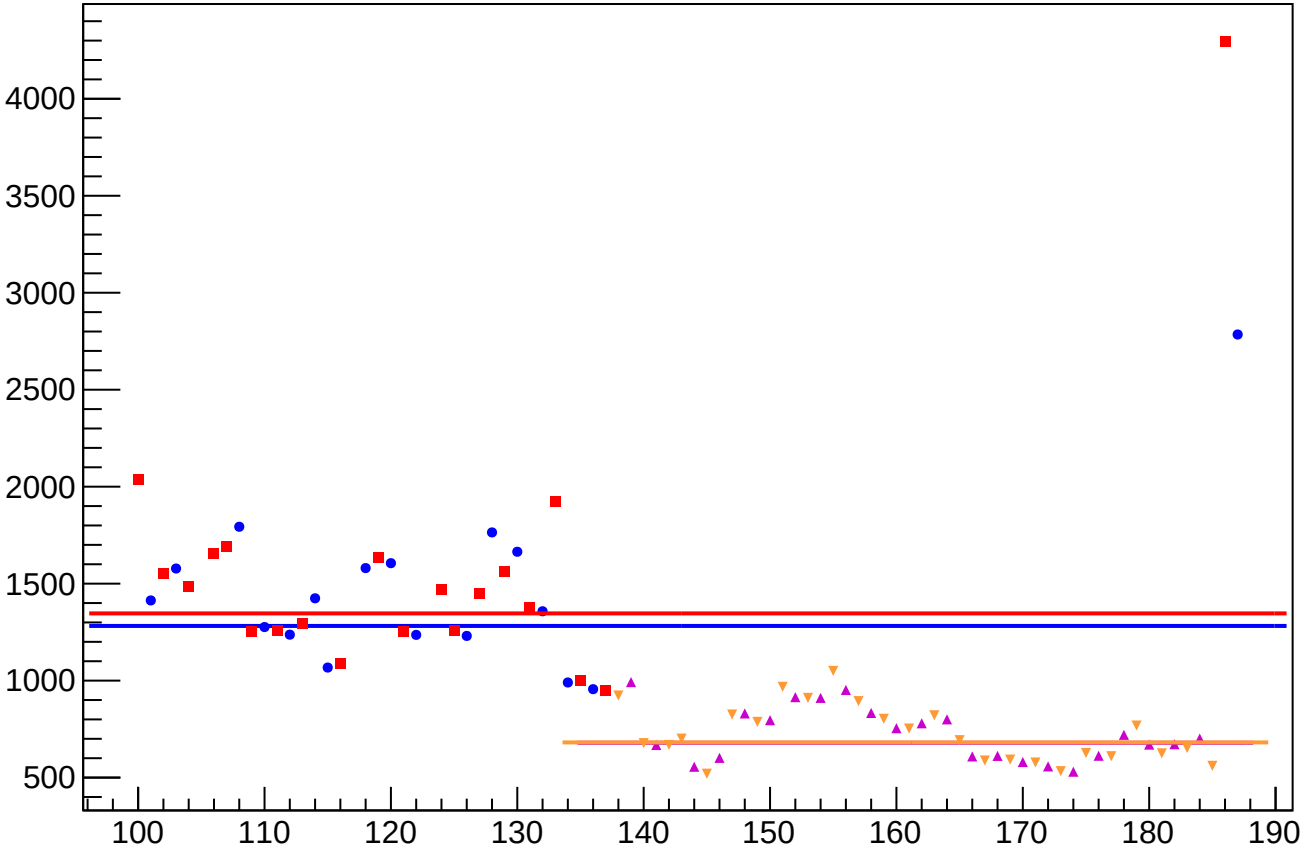
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -742.481+/-150.301 χ^2/NDF: 90.3/41

All: -477.177+/-107.495 χ^2/NDF: 138.6/84

- sign -199.375+/-153.801 χ^2/NDF: 42.0/42

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1281.972+/-0.343 χ^2/NDF: 707971.5/16

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1346.590+/-0.350 χ^2/NDF: 853480.8/19

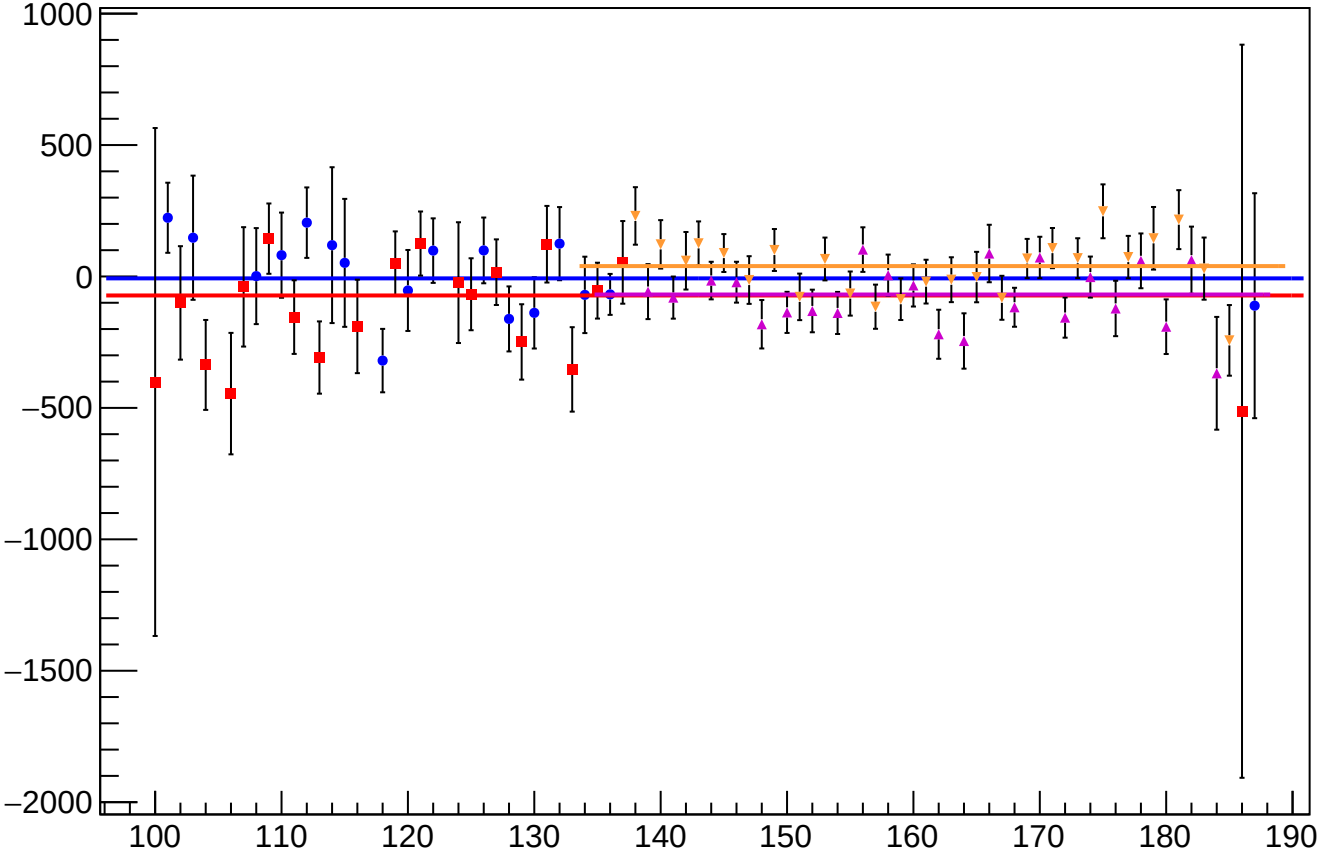
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 739.081+/-0.106 χ^2/NDF: 4813273.1/41

All: 741.395+/-0.076 χ^2/NDF: 10135337.0/84

- sign 743.818+/-0.109 χ^2/NDF: 5321093.5/42

cor_asym_sam_2468_avg_mean vs Slug



Right In: -7.236+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -72.256+/-34.874 χ^2/NDF: 22.9/19

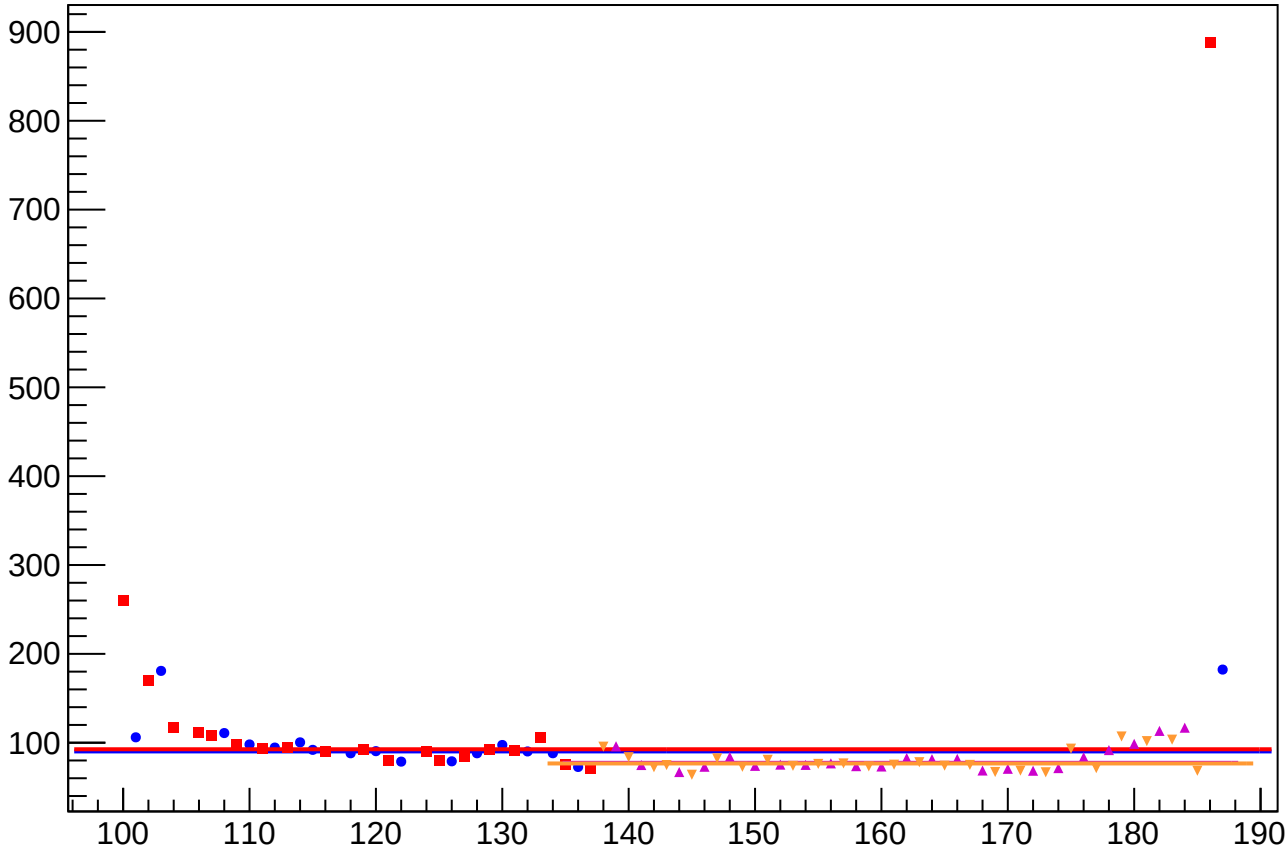
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.633+/-15.694 χ^2/NDF: 52.4/41

All: -18.264+/-11.277 χ^2/NDF: 123.5/84

- sign -69.406+/-16.216 χ^2/NDF: 51.9/42

cor_asym_sam_2468_avg_rms vs Slug



Right In: 90.195+/-0.024 χ^2/NDF: 591663.0/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

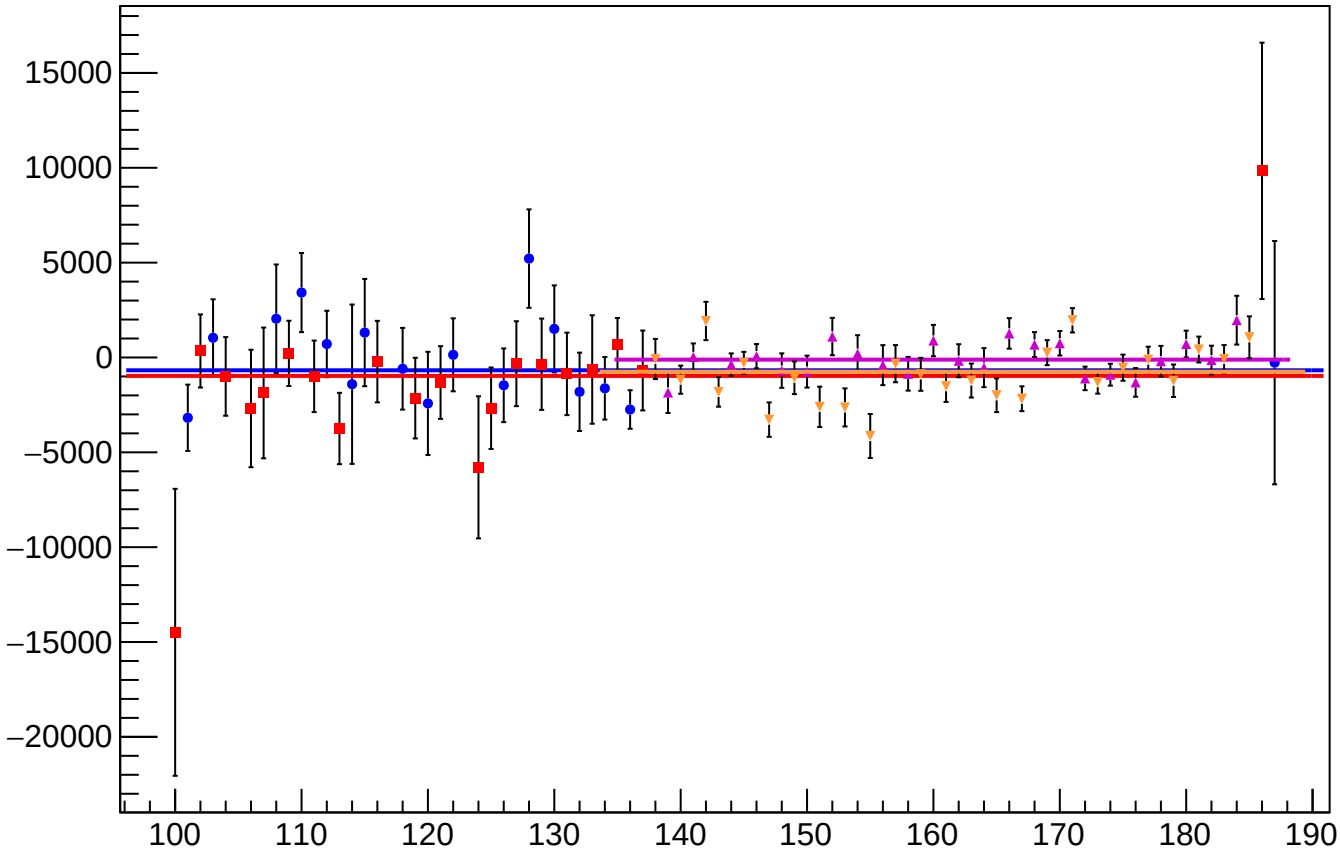
Right Out: 92.627+/-0.025 χ^2/NDF: 1191351.6/19

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.503+/-0.011 χ^2/NDF: 1494311.5/41

All: 80.059+/-0.008 χ^2/NDF: 3582139.7/84

- sign 80.652+/-0.011 χ^2/NDF: 2082645.8/42



Right In: -675.032+/-485.088 χ^2/NDF: 20.3/16

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -970.916+/-495.679 χ^2/NDF: 13.6/19

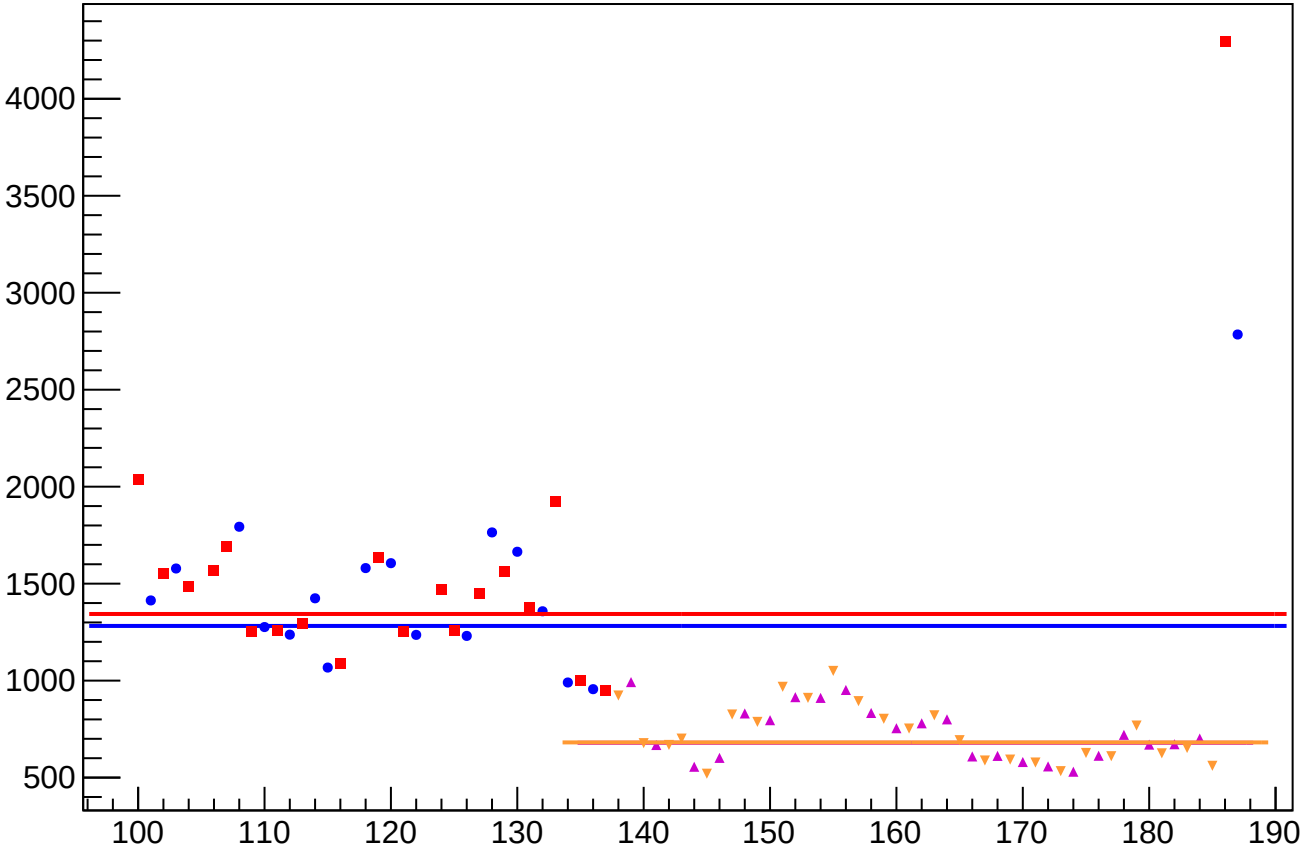
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

\+ sign -742.470+/-150.301 χ^2/NDF: 90.3/41

All: -475.724+/-107.502 χ^2/NDF: 138.0/84

\- sign -196.340+/-153.821 χ^2/NDF: 41.3/42

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1281.975+/-0.343 χ^2/NDF: 707998.0/16

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1343.626+/-0.350 χ^2/NDF: 842033.9/19

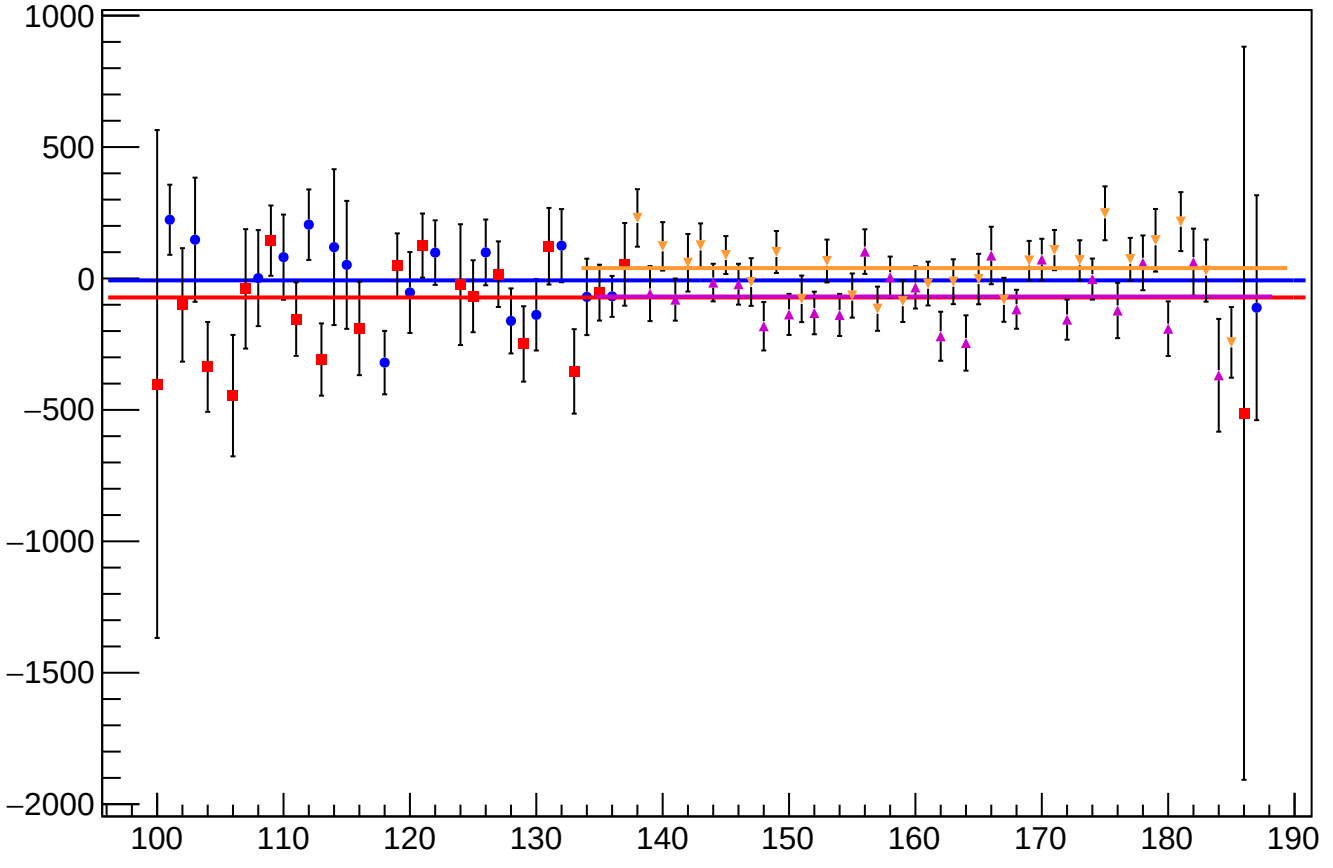
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 739.081+/-0.106 χ^2/NDF: 4813315.1/41

All: 741.180+/-0.076 χ^2/NDF: 10086809.5/84

- sign 743.378+/-0.109 χ^2/NDF: 5272695.9/42

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -7.236+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -72.256+/-34.874 χ^2/NDF: 22.9/19

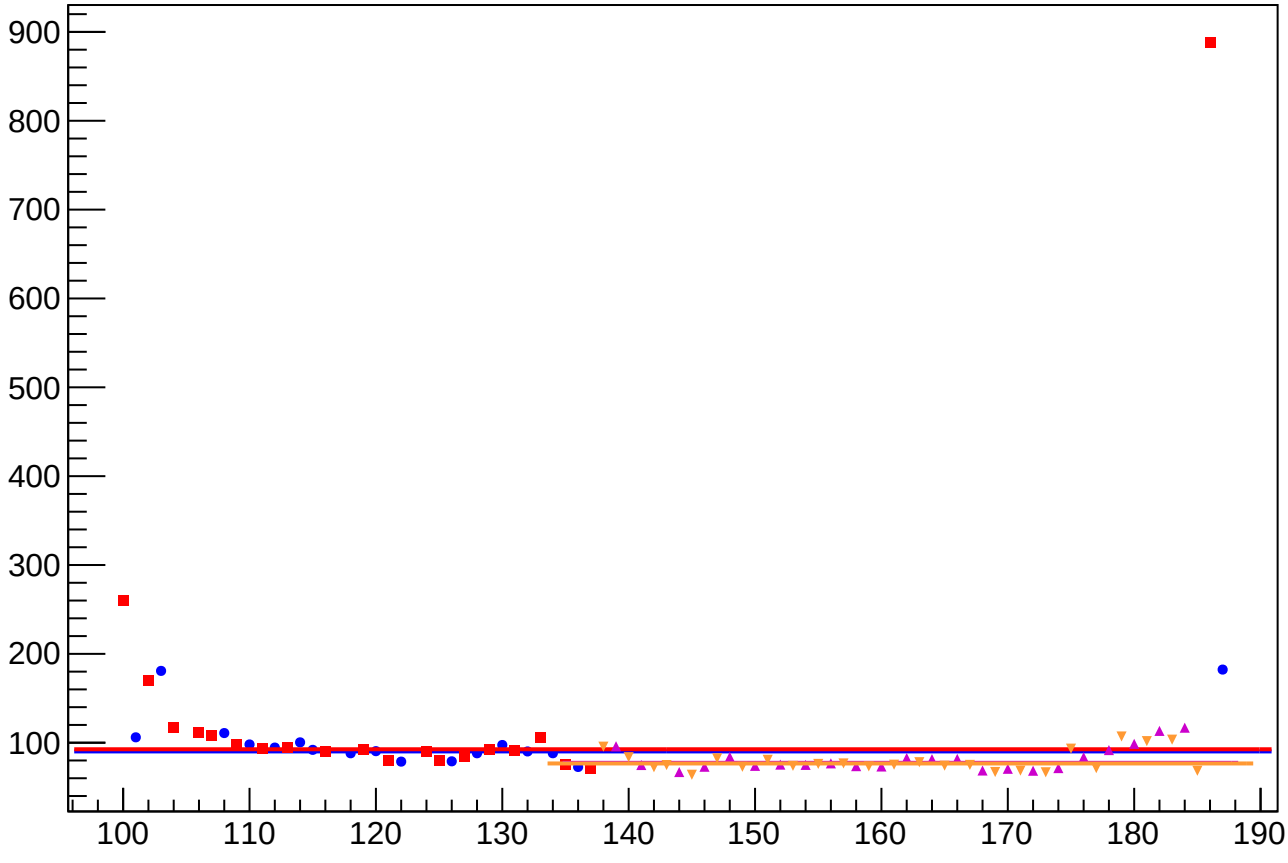
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 29.633+/-15.694 χ^2/NDF: 52.4/41

All: -18.264+/-11.277 χ^2/NDF: 123.5/84

- sign -69.406+/-16.216 χ^2/NDF: 51.9/42

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 90.195+/-0.024 χ^2/NDF: 591663.0/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

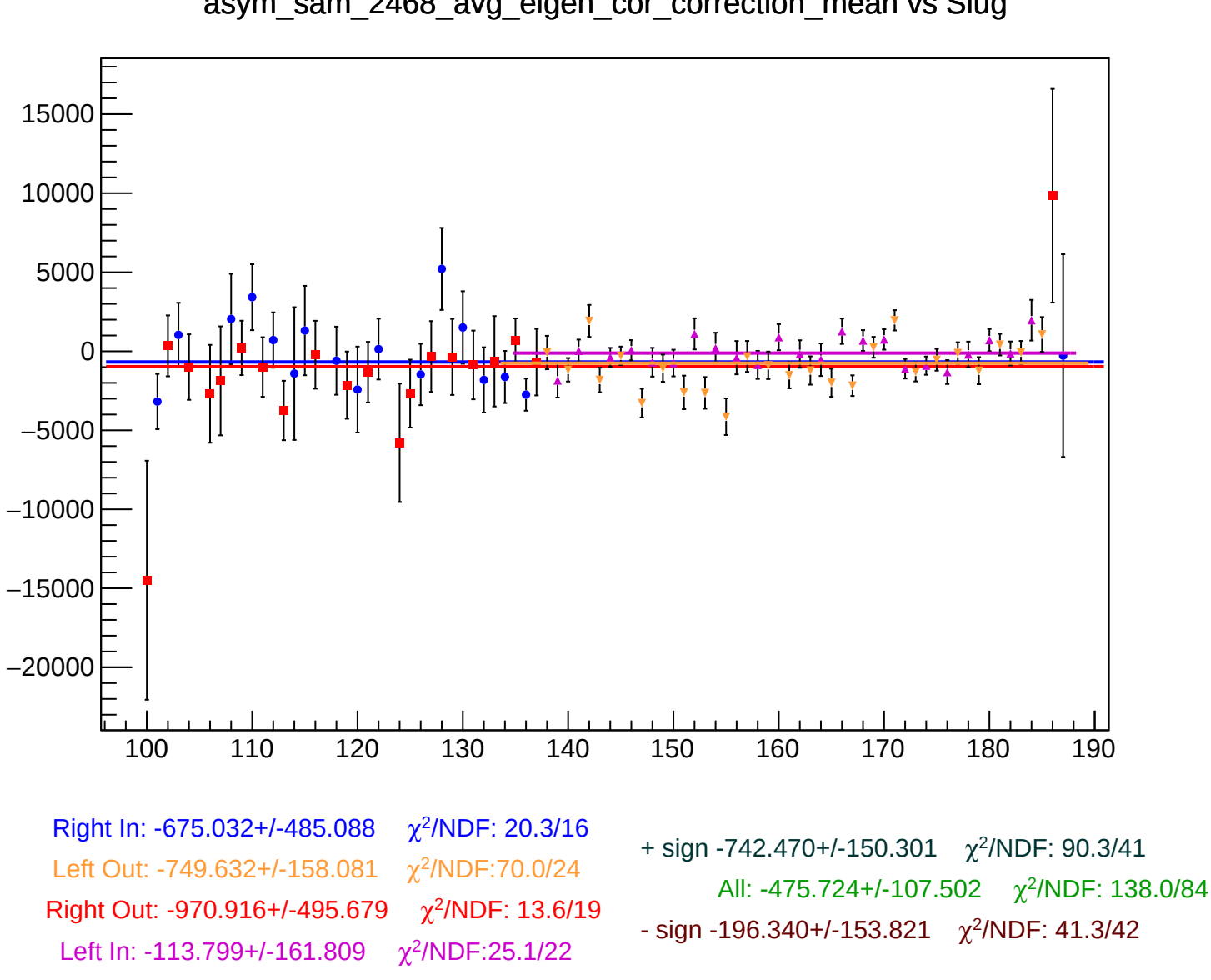
Right Out: 92.627+/-0.025 χ^2/NDF: 1191351.6/19

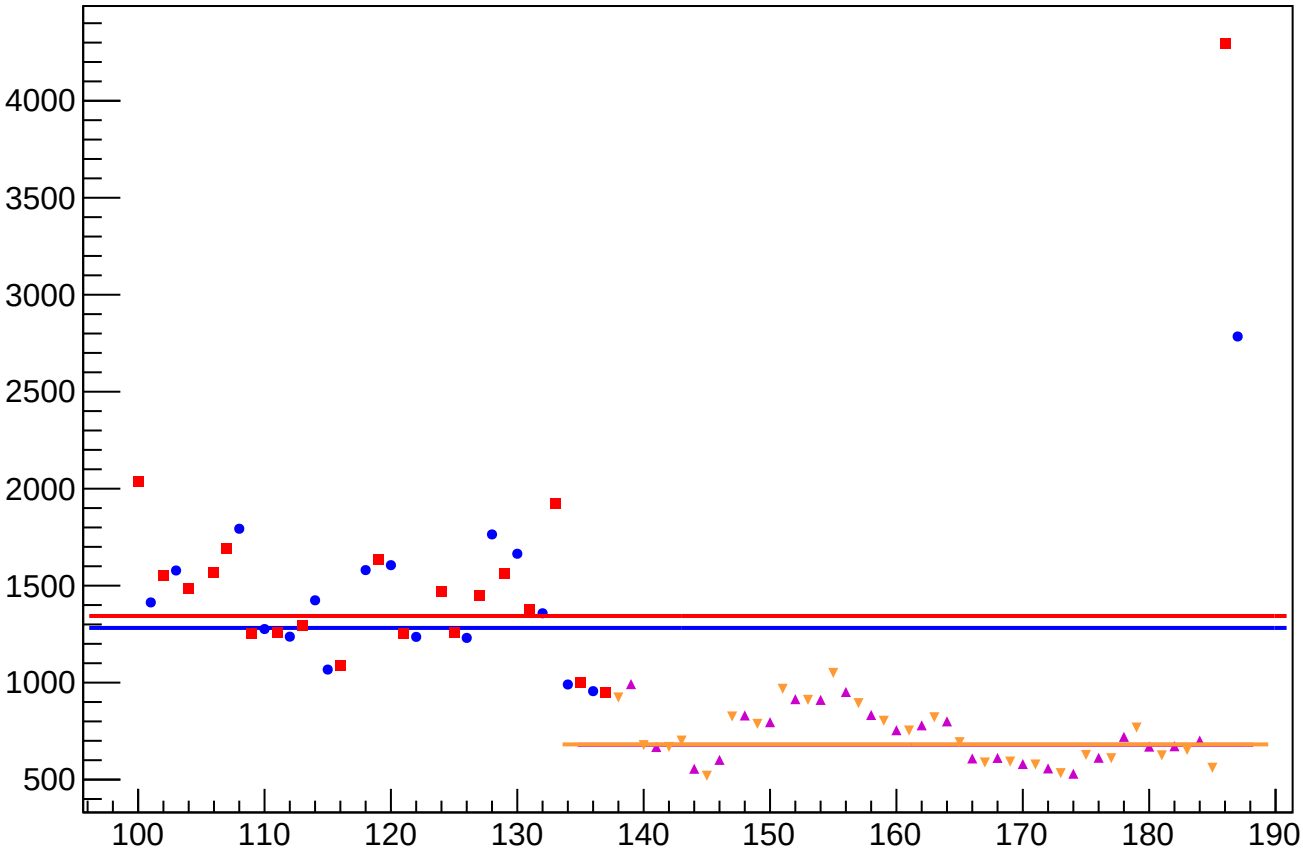
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 79.503+/-0.011 χ^2/NDF: 1494311.5/41

All: 80.059+/-0.008 χ^2/NDF: 3582139.7/84

- sign 80.652+/-0.011 χ^2/NDF: 2082645.8/42


asym_sam_2468_avg_eigen_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -675.032+/-485.088 χ²/NDF: 20.3/16
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: -970.916+/-495.679 χ²/NDF: 13.6/19
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -742.470+/-150.301 χ²/NDF: 90.3/41
All: -475.724+/-107.502 χ²/NDF: 138.0/84
- sign -196.340+/-153.821 χ²/NDF: 41.3/42



Right In: 1281.975+/-0.343 χ^2/NDF: 707998.0/16

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1343.626+/-0.350 χ^2/NDF: 842033.9/19

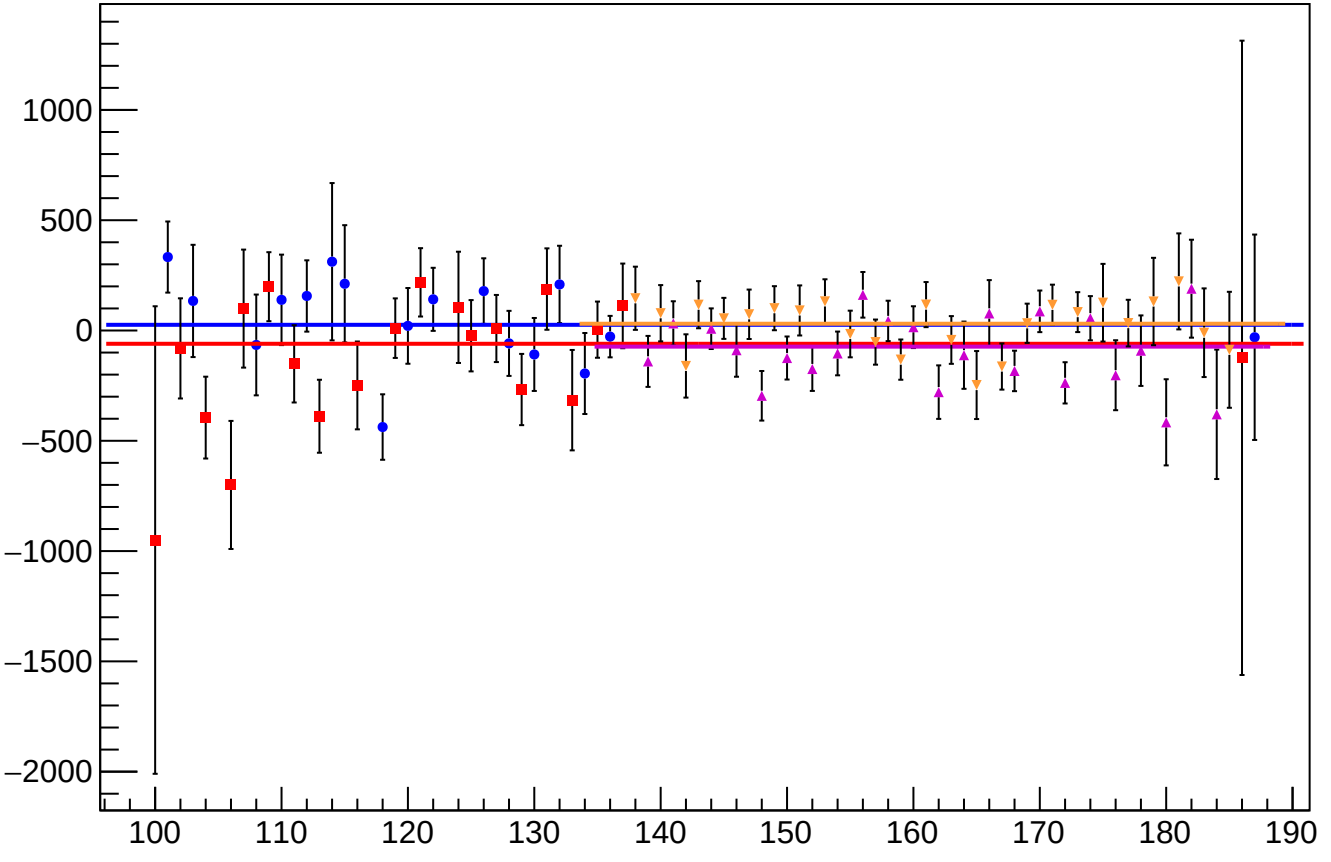
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 739.081+/-0.106 χ^2/NDF: 4813315.1/41

All: 741.180+/-0.076 χ^2/NDF: 10086809.5/84

- sign 743.378+/-0.109 χ^2/NDF: 5272695.9/42

dit_asym_sam_2468_avg_mean vs Slug



Right In: 25.809+/-41.059 χ^2/NDF: 21.4/16

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.172+/-41.511 χ^2/NDF: 27.0/19

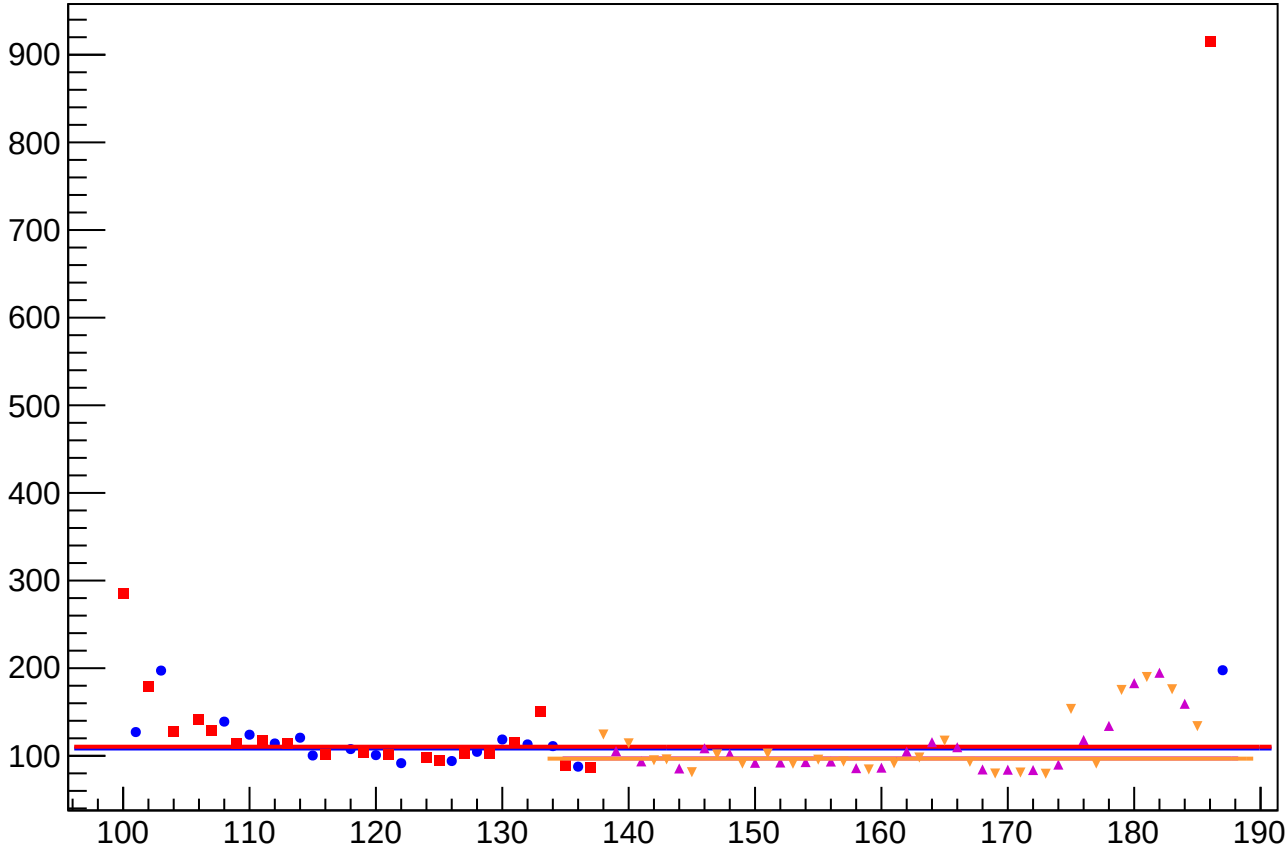
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 29.531+/-19.970 χ^2/NDF: 41.3/41

All: -19.034+/-14.290 χ^2/NDF: 115.0/84

- sign -69.996+/-20.457 χ^2/NDF: 61.6/42

dit_asym_sam_2468_avg_rms vs Slug



Right In: 108.380+/-0.029 χ^2/NDF: 557307.2/16

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 110.411+/-0.029 χ^2/NDF: 1118586.5/19

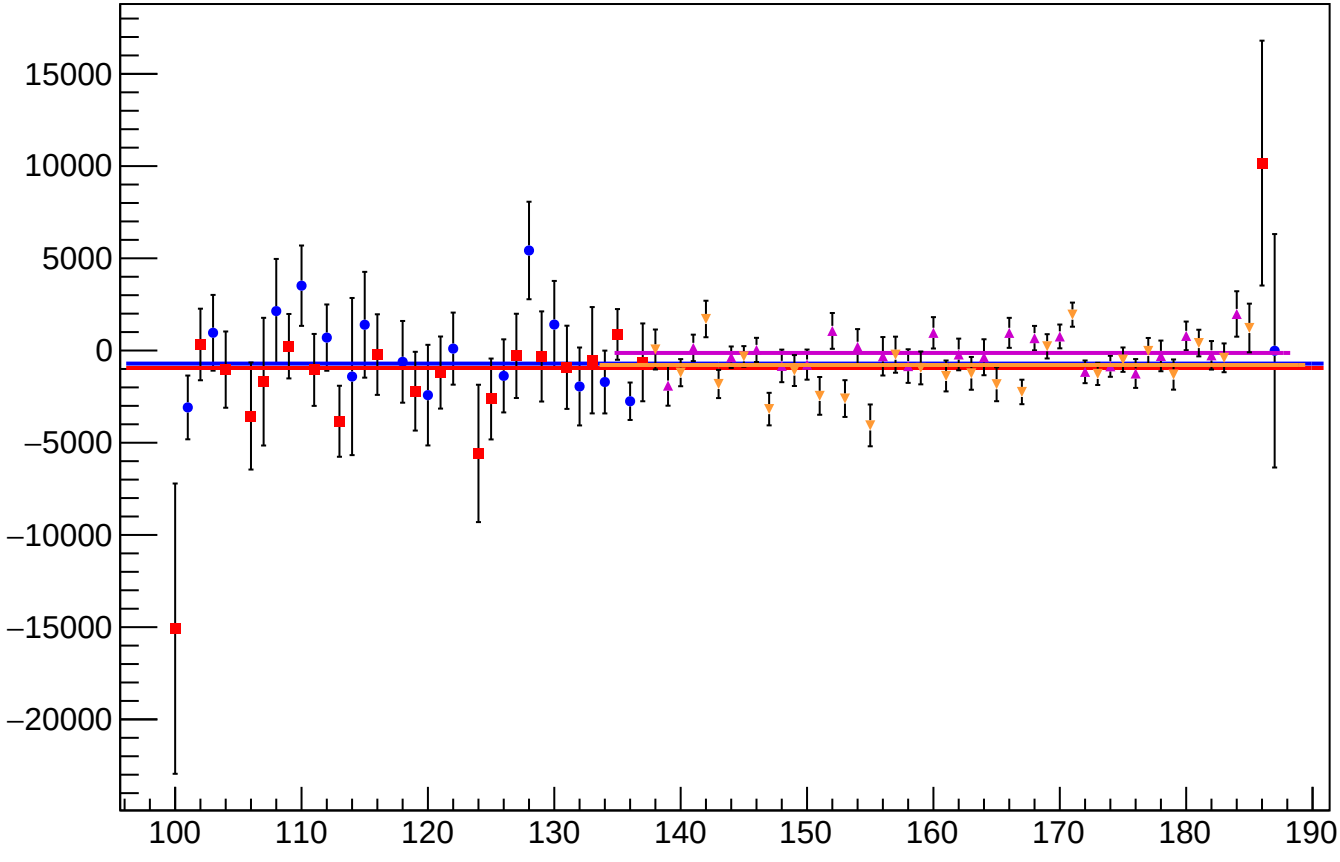
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 99.535+/-0.014 χ^2/NDF: 2399289.0/41

All: 99.893+/-0.010 χ^2/NDF: 4998034.0/84

- sign 100.270+/-0.014 χ^2/NDF: 2597424.9/42

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -708.669+/-491.762 χ^2/NDF: 20.1/16

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -947.189+/-499.950 χ^2/NDF: 14.6/19

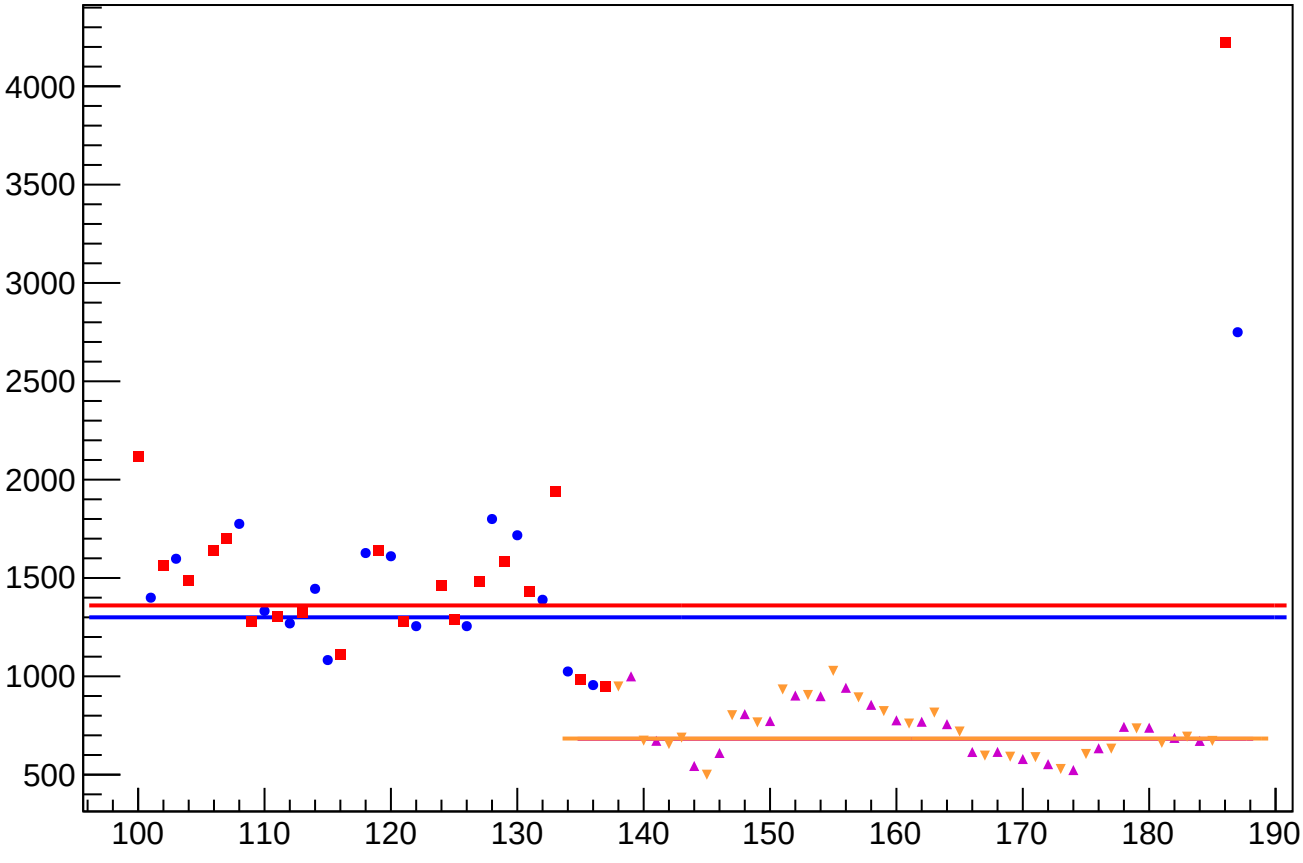
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -776.703+/-150.710 χ^2/NDF: 86.5/41

All: -499.957+/-107.871 χ^2/NDF: 134.6/84

- sign -209.253+/-154.464 χ^2/NDF: 41.2/42

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1300.027+/-0.348 χ^2/NDF: 716448.8/16

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1360.441+/-0.354 χ^2/NDF: 864719.0/19

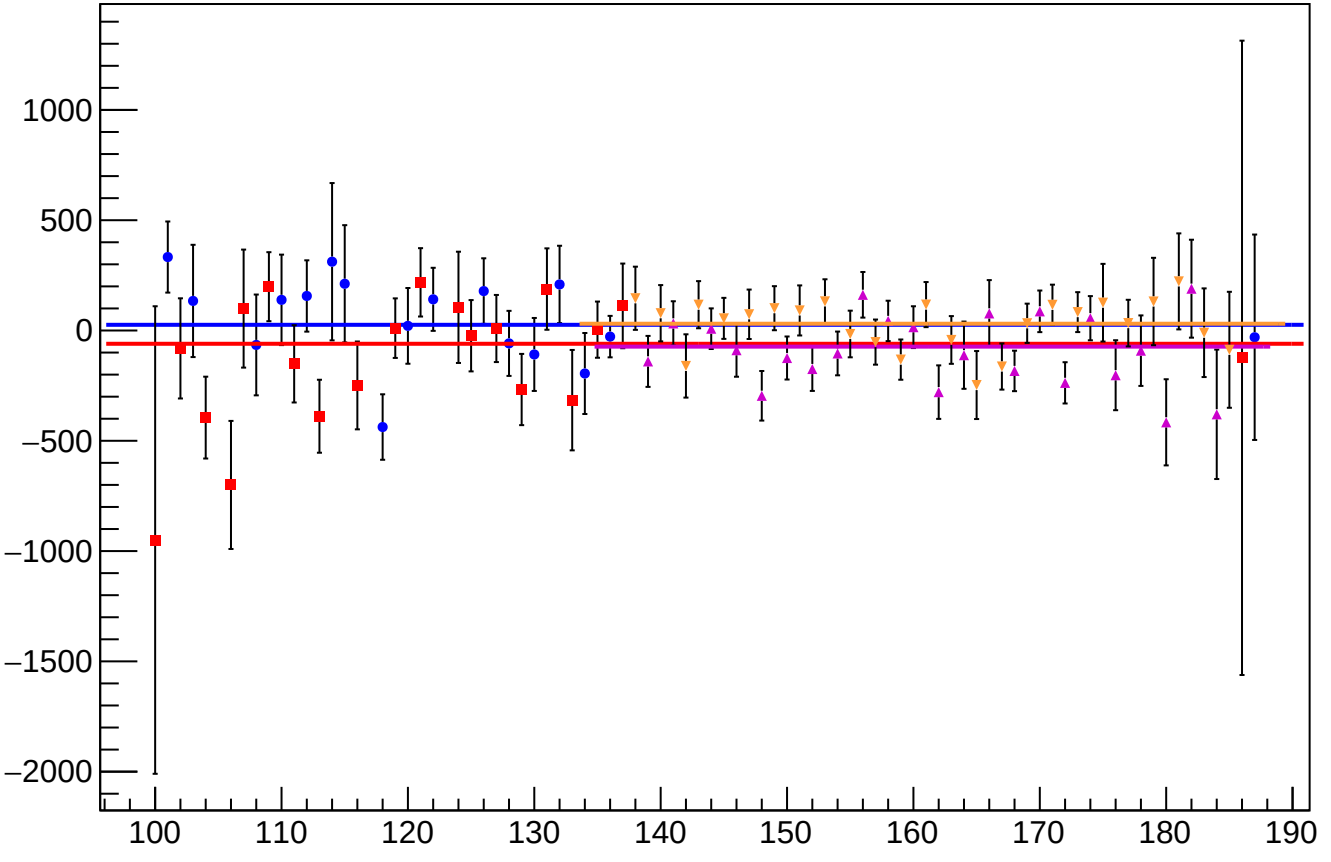
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 741.586+/-0.107 χ^2/NDF: 4860921.2/41

All: 744.093+/-0.076 χ^2/NDF: 10244717.8/84

- sign 746.726+/-0.109 χ^2/NDF: 5382661.9/42

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 25.810+/-41.059 χ^2/NDF: 21.4/16

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -60.171+/-41.511 χ^2/NDF: 27.0/19

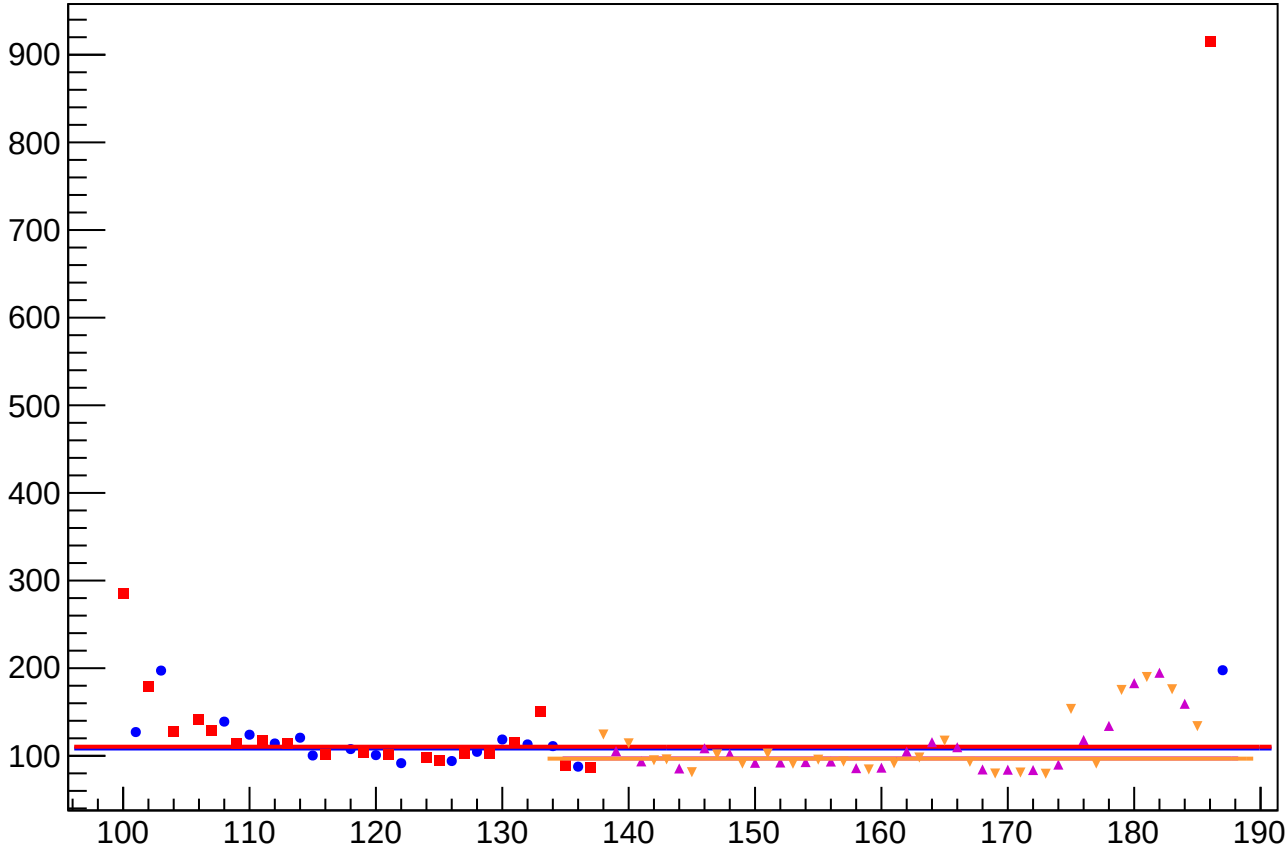
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 29.531+/-19.970 χ^2/NDF: 41.3/41

All: -19.033+/-14.290 χ^2/NDF: 115.0/84

- sign -69.995+/-20.457 χ^2/NDF: 61.6/42

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 108.379+/-0.029 χ^2/NDF: 557296.8/16

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

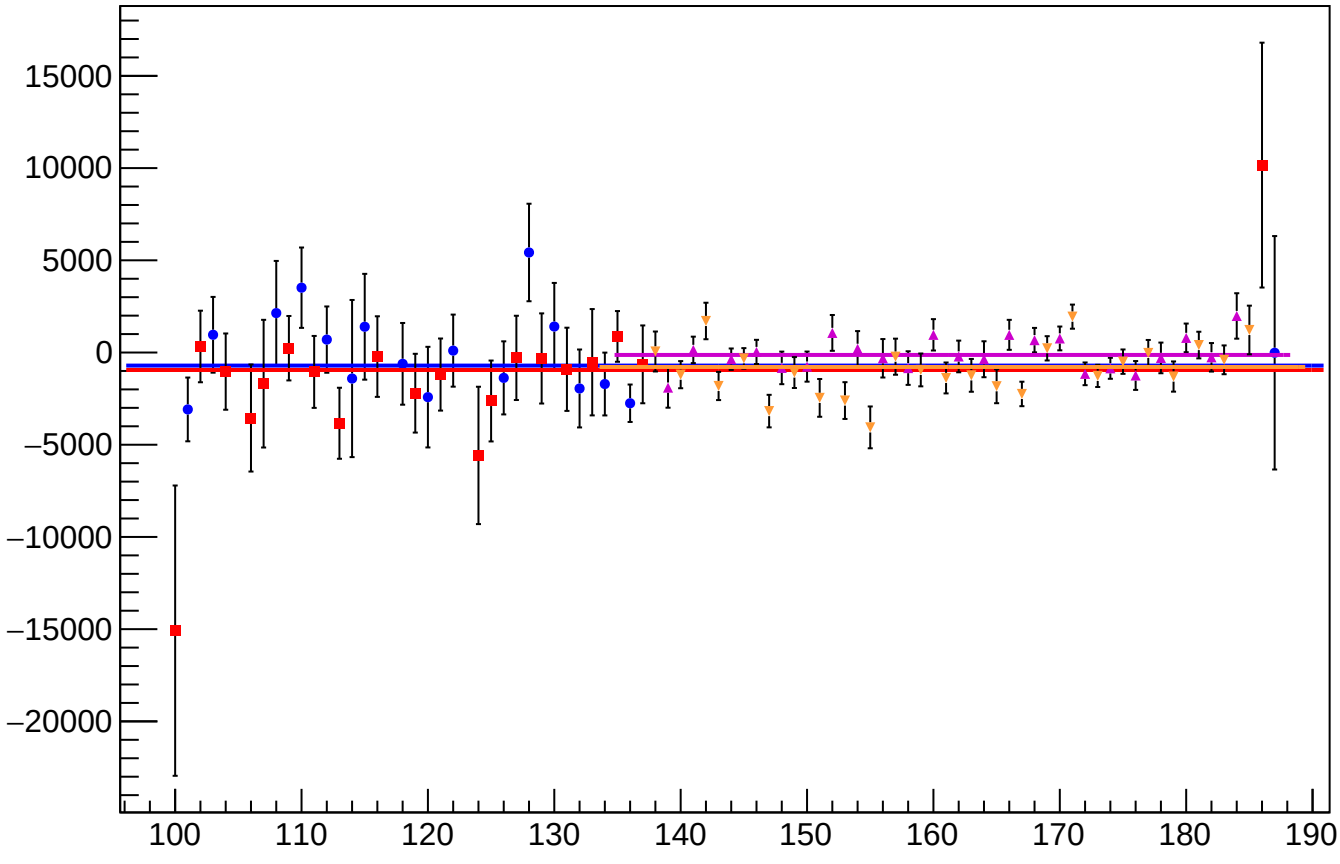
Right Out: 110.410+/-0.029 χ^2/NDF: 1118584.6/19

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 99.535+/-0.014 χ^2/NDF: 2399257.9/41

All: 99.894+/-0.010 χ^2/NDF: 4997963.8/84

- sign 100.270+/-0.014 χ^2/NDF: 2597385.6/42



Right In: -708.663+/-491.760 χ^2/NDF: 20.1/16

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

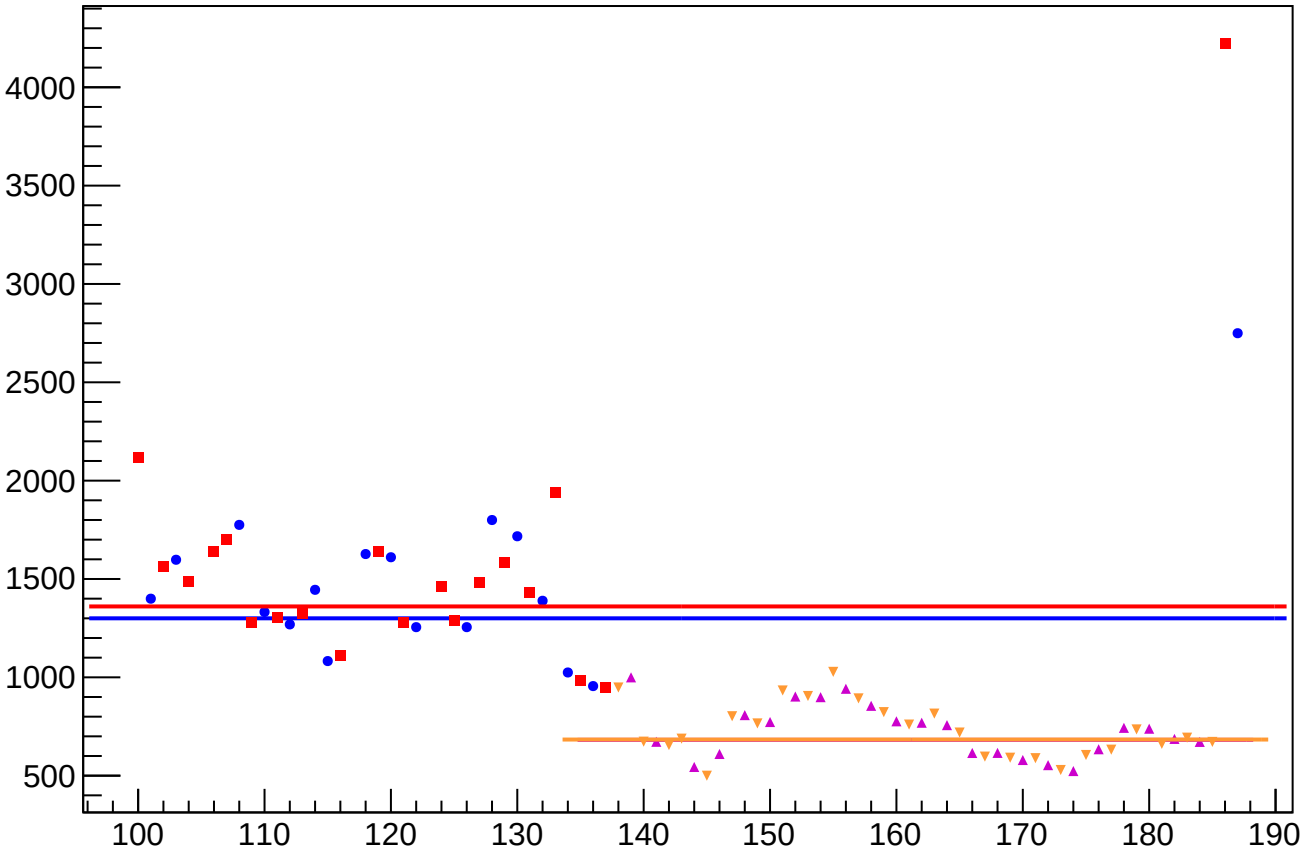
Right Out: -947.188+/-499.949 χ^2/NDF: 14.6/19

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

\+ sign -776.701+/-150.710 χ^2/NDF: 86.5/41

All: -499.955+/-107.870 χ^2/NDF: 134.6/84

\- sign -209.253+/-154.463 χ^2/NDF: 41.2/42



Right In: 1300.024+/-0.348 χ^2/NDF: 716446.4/16

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1360.437+/-0.354 χ^2/NDF: 864718.7/19

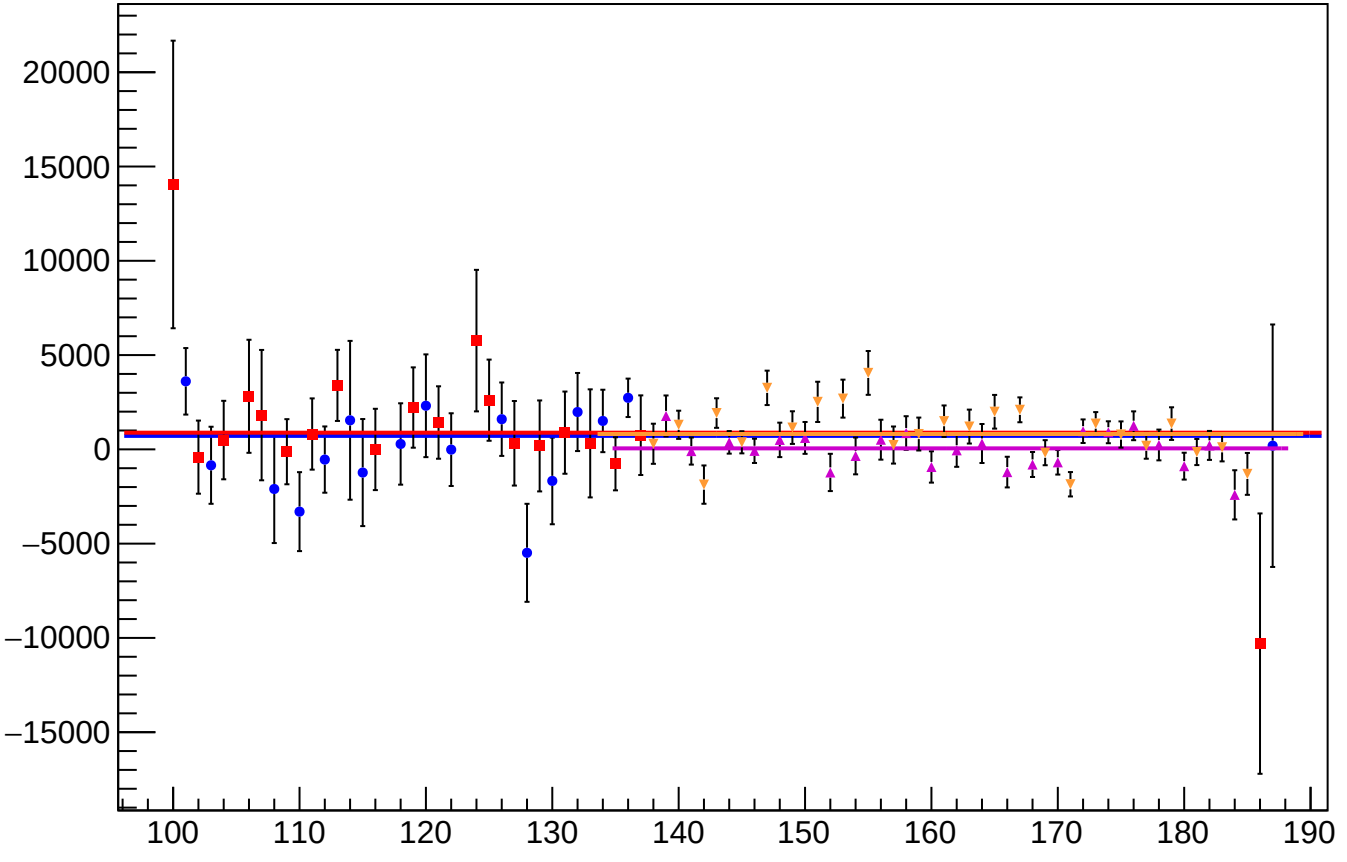
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 741.584+/-0.107 χ^2/NDF: 4860925.4/41

All: 744.091+/-0.076 χ^2/NDF: 10244722.2/84

- sign 746.724+/-0.109 χ^2/NDF: 5382662.3/42

asym_sam_2468_avg_mean vs Slug



Right In: 714.610+/-486.837 χ^2/NDF: 21.0/16

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 884.092+/-496.761 χ^2/NDF: 13.2/19

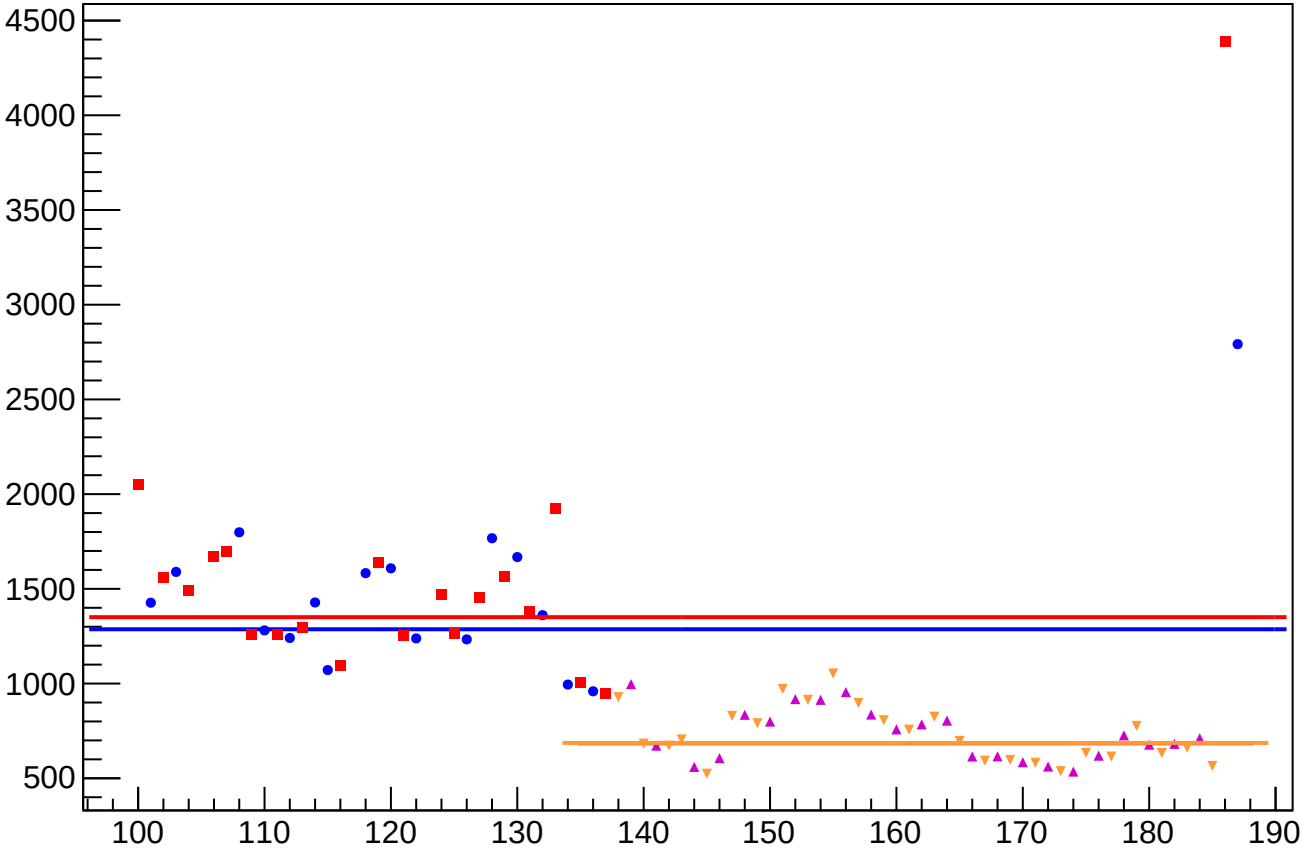
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 804.453+/-151.363 χ^2/NDF: 86.8/41

All: 476.579+/-108.261 χ^2/NDF: 137.5/84

- sign 133.174+/-154.906 χ^2/NDF: 41.1/42

asym_sam_2468_avg_rms vs Slug



Right In: 1286.658+/-0.344 χ^2/NDF: 707905.4/16

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1350.587+/-0.351 χ^2/NDF: 861277.6/19

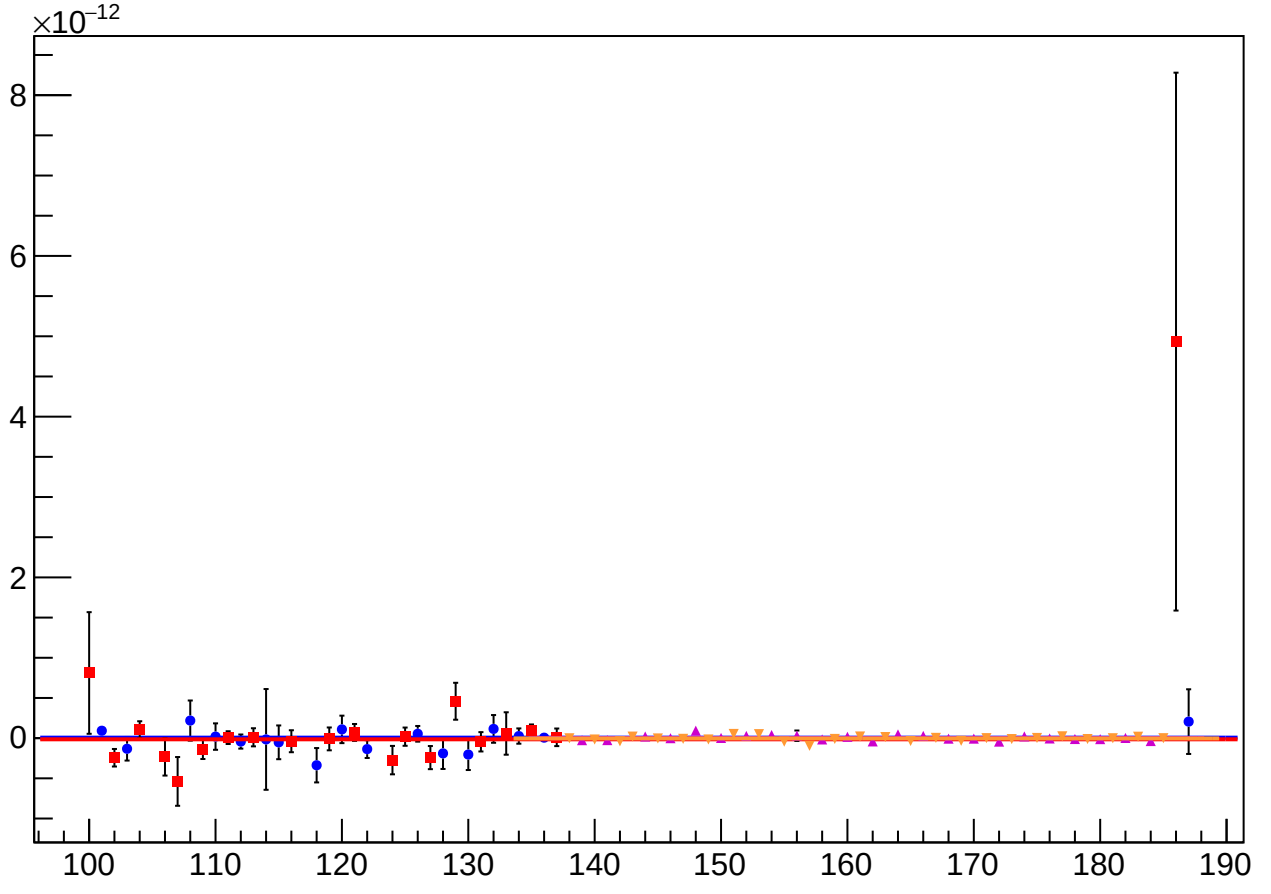
Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 744.695+/-0.107 χ^2/NDF: 4763938.5/41

All: 747.046+/-0.077 χ^2/NDF: 10035003.7/84

- sign 749.508+/-0.110 χ^2/NDF: 5270077.7/42

asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

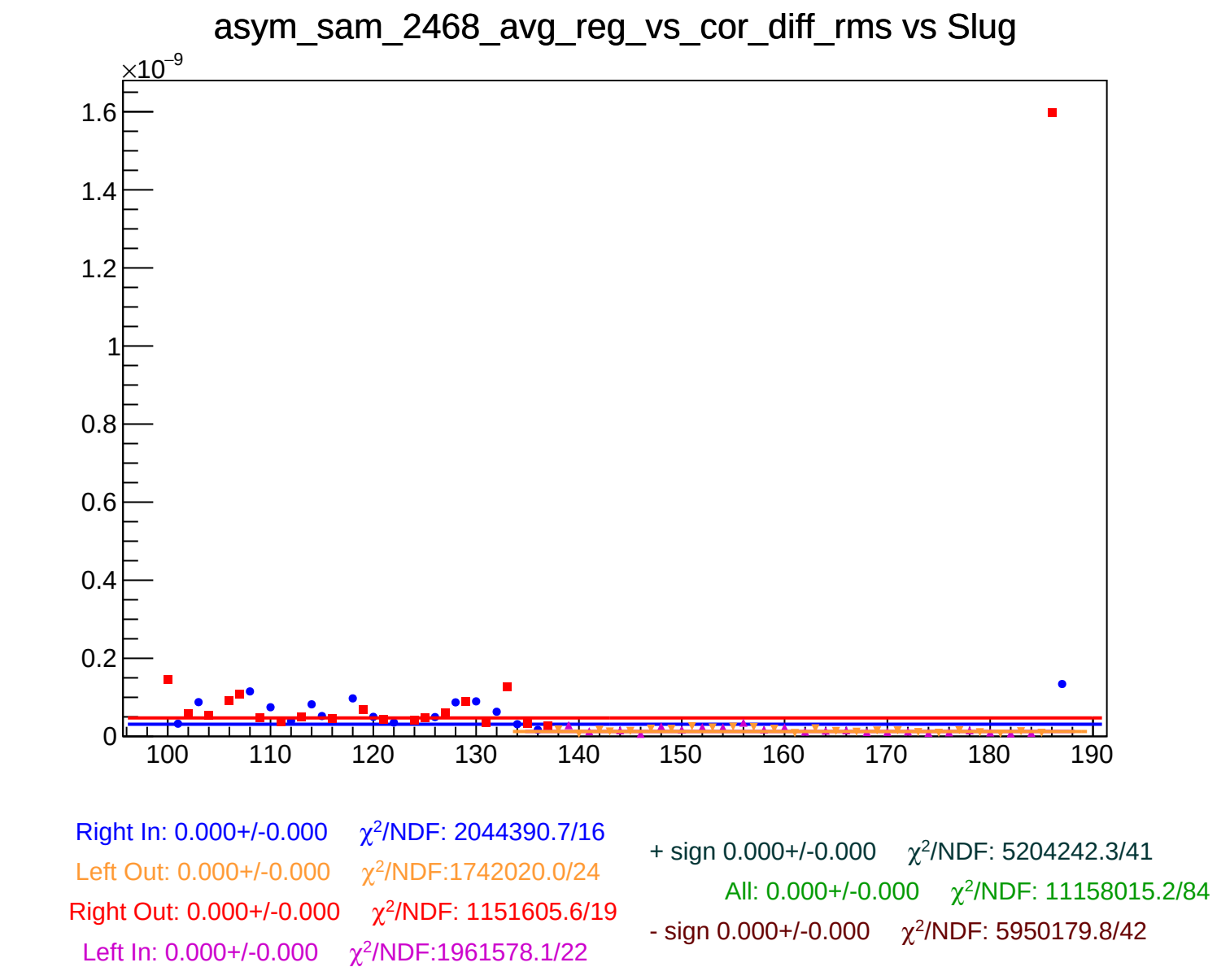
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/19

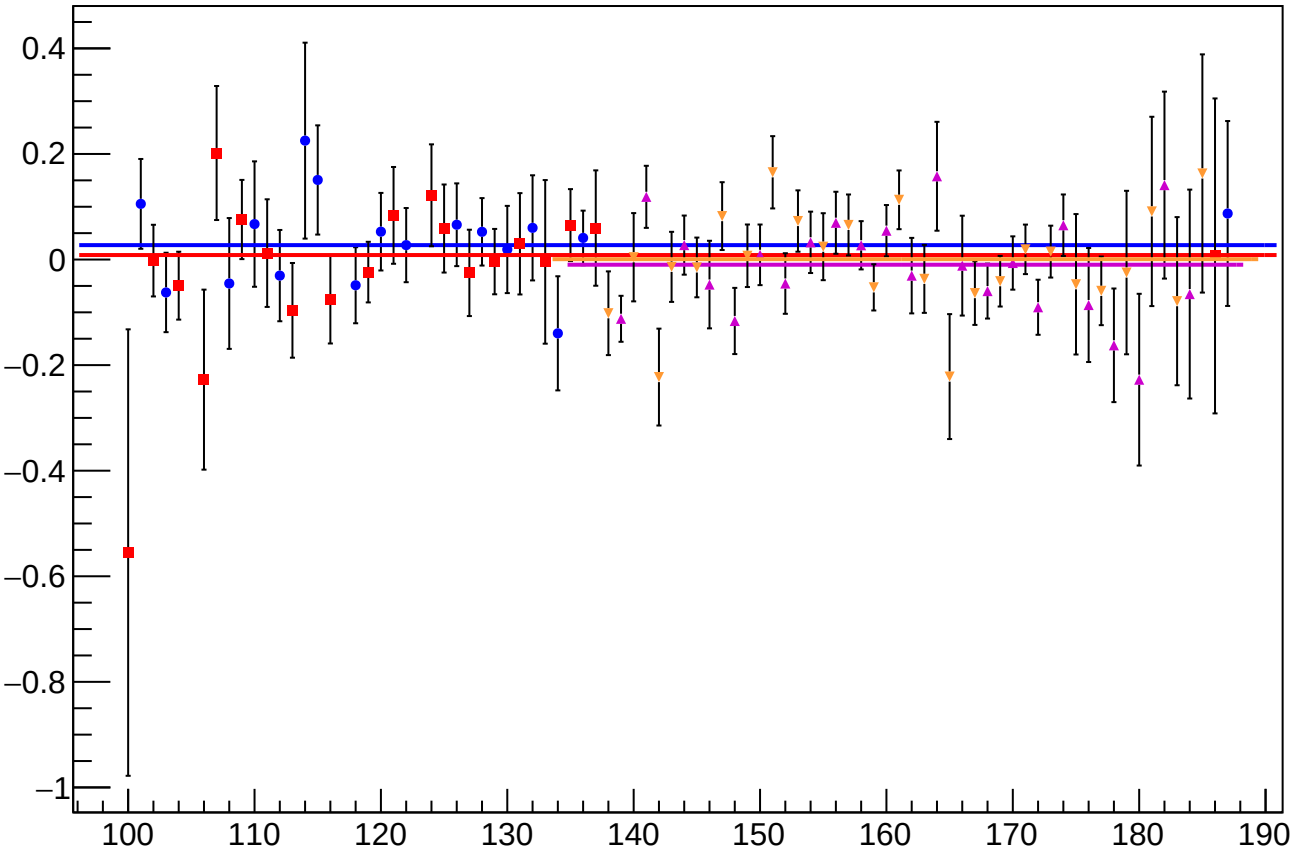
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 28.6/41

All: -0.000+/-0.000 χ^2/NDF: 75.4/84

- sign -0.000+/-0.000 χ^2/NDF: 46.7/42


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2044390.7/16
Left Out: 0.000+/-0.000 χ²/NDF:1742020.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 1151605.6/19
Left In: 0.000+/-0.000 χ²/NDF:1961578.1/22
+ sign 0.000+/-0.000 χ²/NDF: 5204242.3/41
All: 0.000+/-0.000 χ²/NDF: 11158015.2/84
- sign 0.000+/-0.000 χ²/NDF: 5950179.8/42



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/19

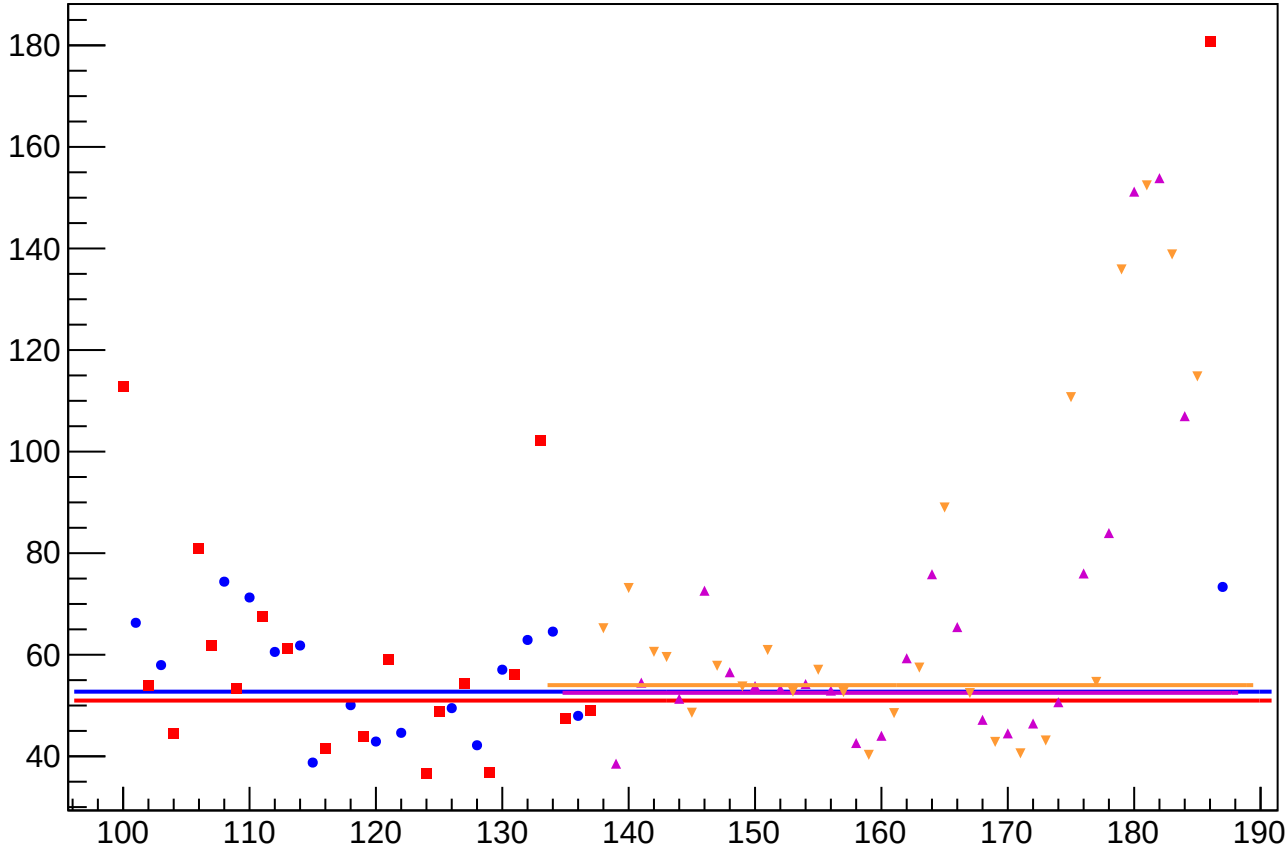
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 42.9/41

All: 0.002+/-0.008 χ^2/NDF: 90.1/84

- sign -0.004+/-0.011 χ^2/NDF: 46.5/42

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.730+/-0.014 χ^2/NDF: 446116.2/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

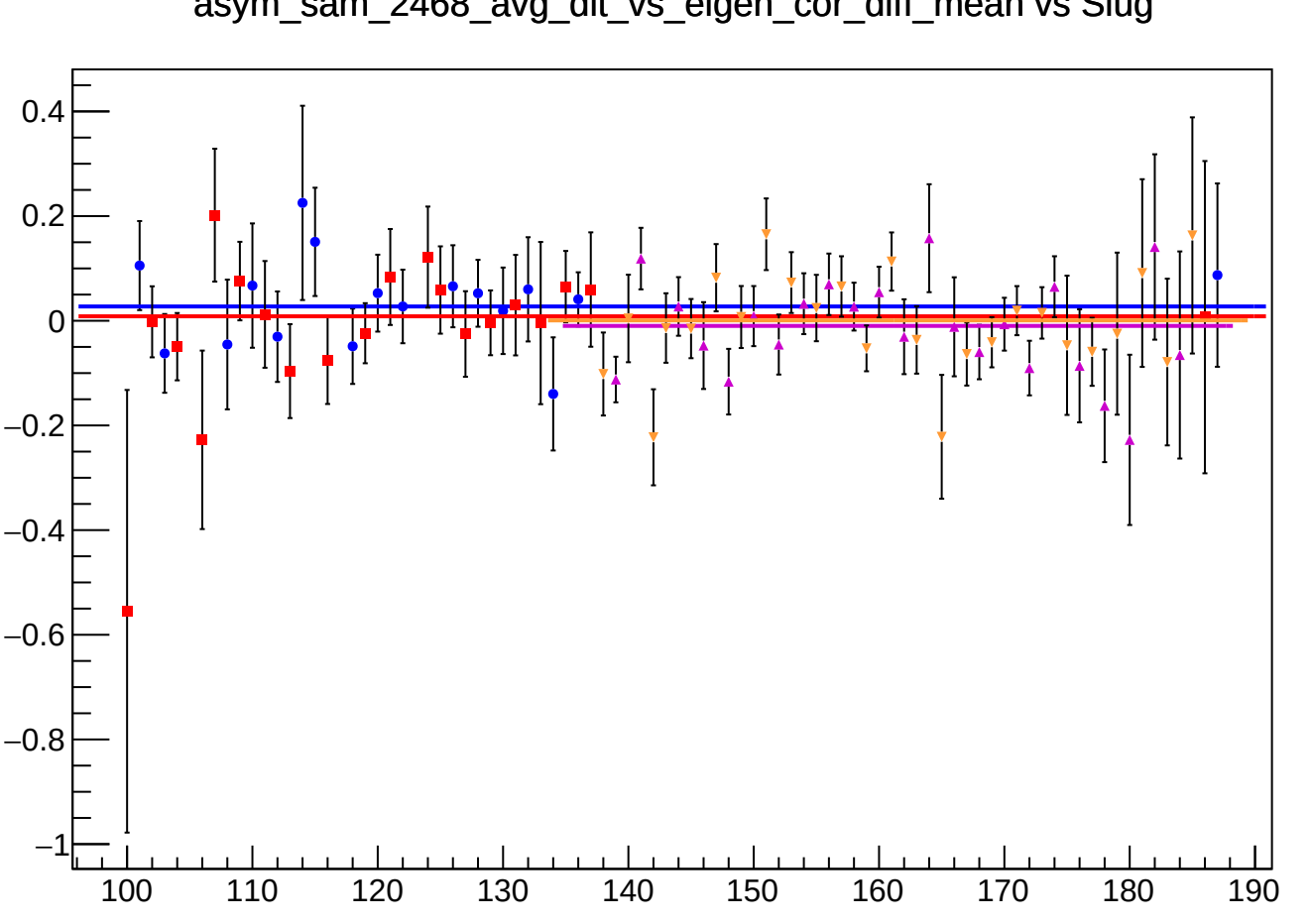
Right Out: 50.976+/-0.014 χ^2/NDF: 1056580.3/19

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.630+/-0.008 χ^2/NDF: 3679291.3/41

All: 52.814+/-0.006 χ^2/NDF: 7323482.2/84

- sign 52.019+/-0.008 χ^2/NDF: 3622773.6/42



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

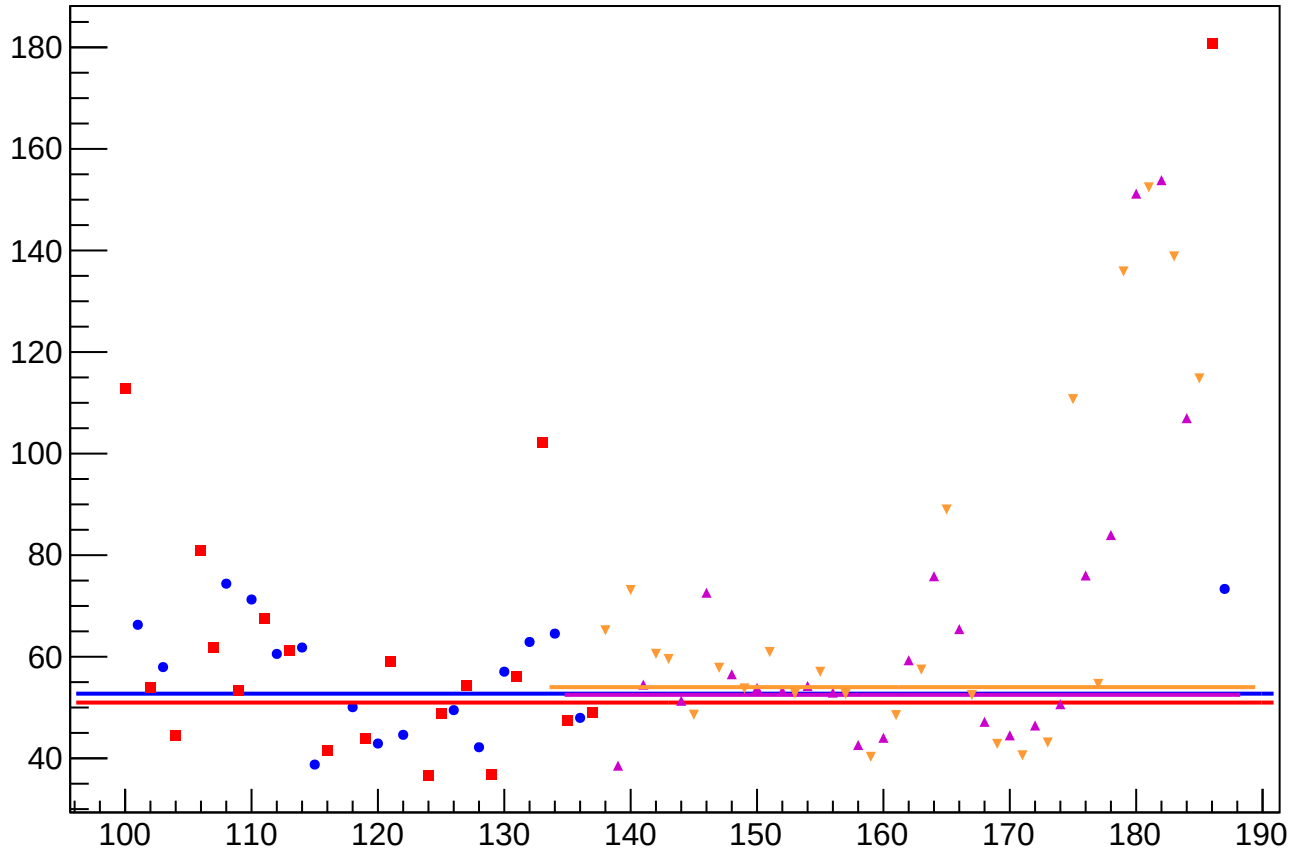
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/19

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 42.9/41

All: 0.002+/-0.008 χ^2/NDF: 90.1/84

- sign -0.004+/-0.011 χ^2/NDF: 46.5/42



Right In: 52.730+/-0.014 χ^2/NDF: 446116.2/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

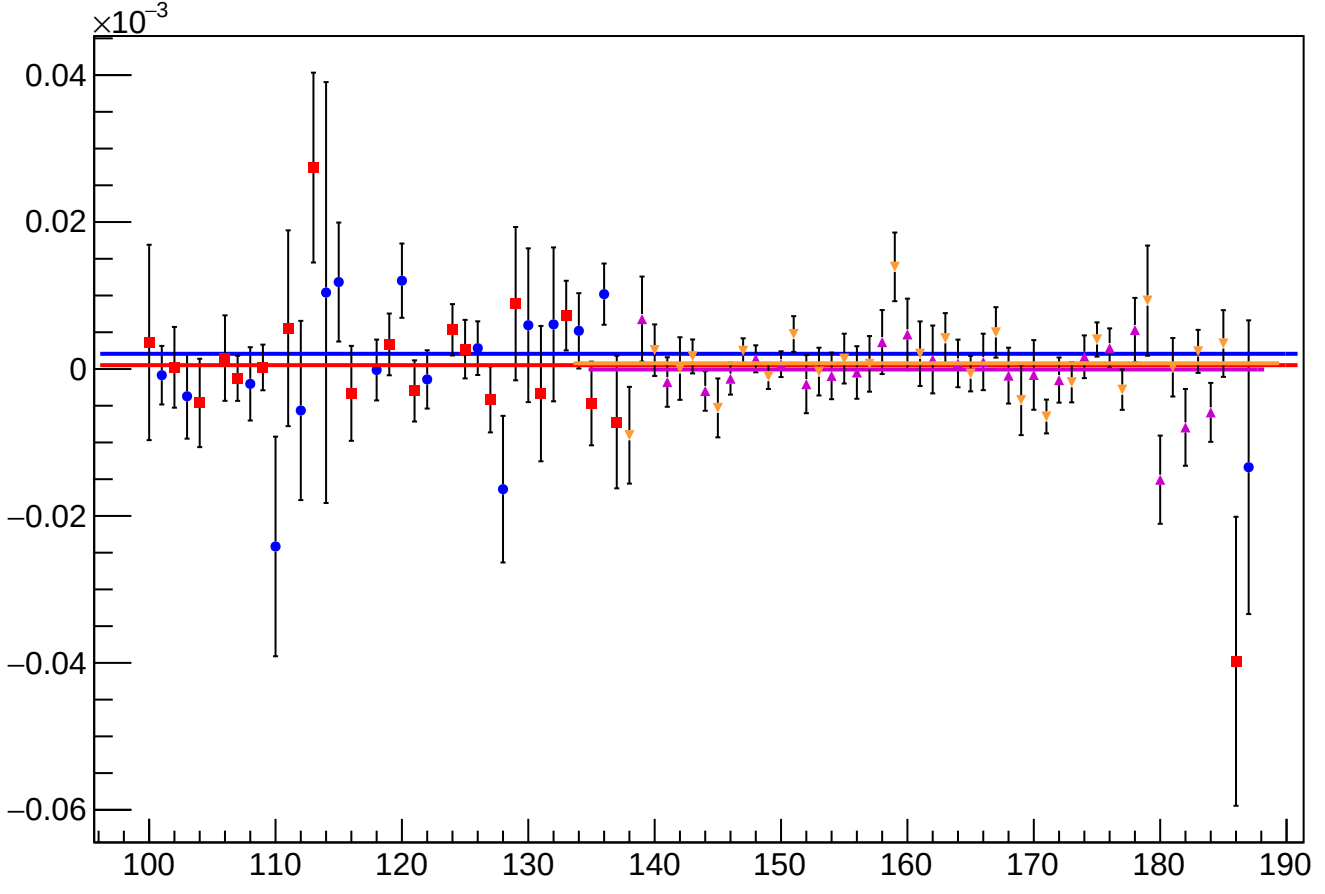
Right Out: 50.976+/-0.014 χ^2/NDF: 1056580.3/19

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.630+/-0.008 χ^2/NDF: 3679291.3/41

All: 52.814+/-0.006 χ^2/NDF: 7323482.2/84

- sign 52.019+/-0.008 χ^2/NDF: 3622773.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.0/19

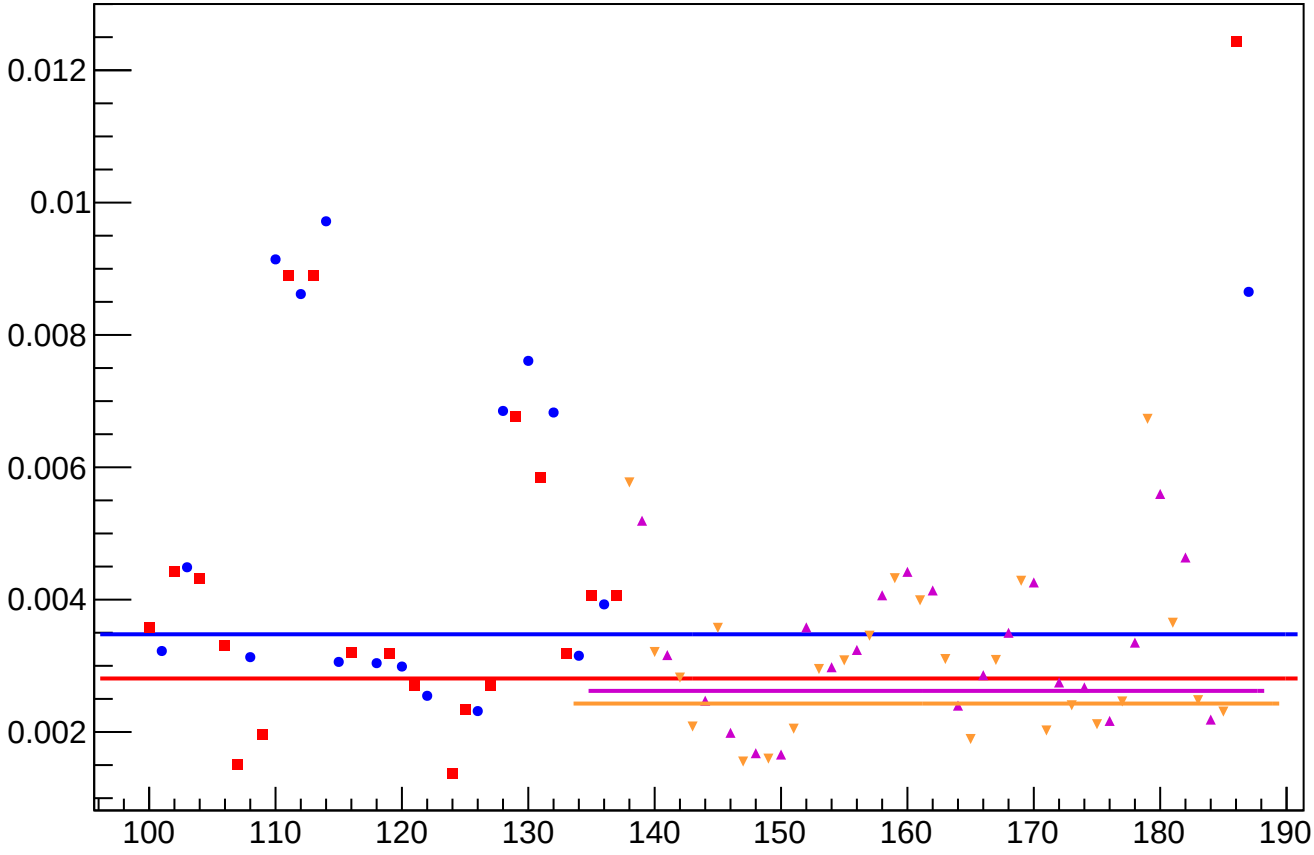
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.5/41

All: 0.000+/-0.000 χ^2/NDF: 100.2/84

- sign 0.000+/-0.000 χ^2/NDF: 39.4/42

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 2085777.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

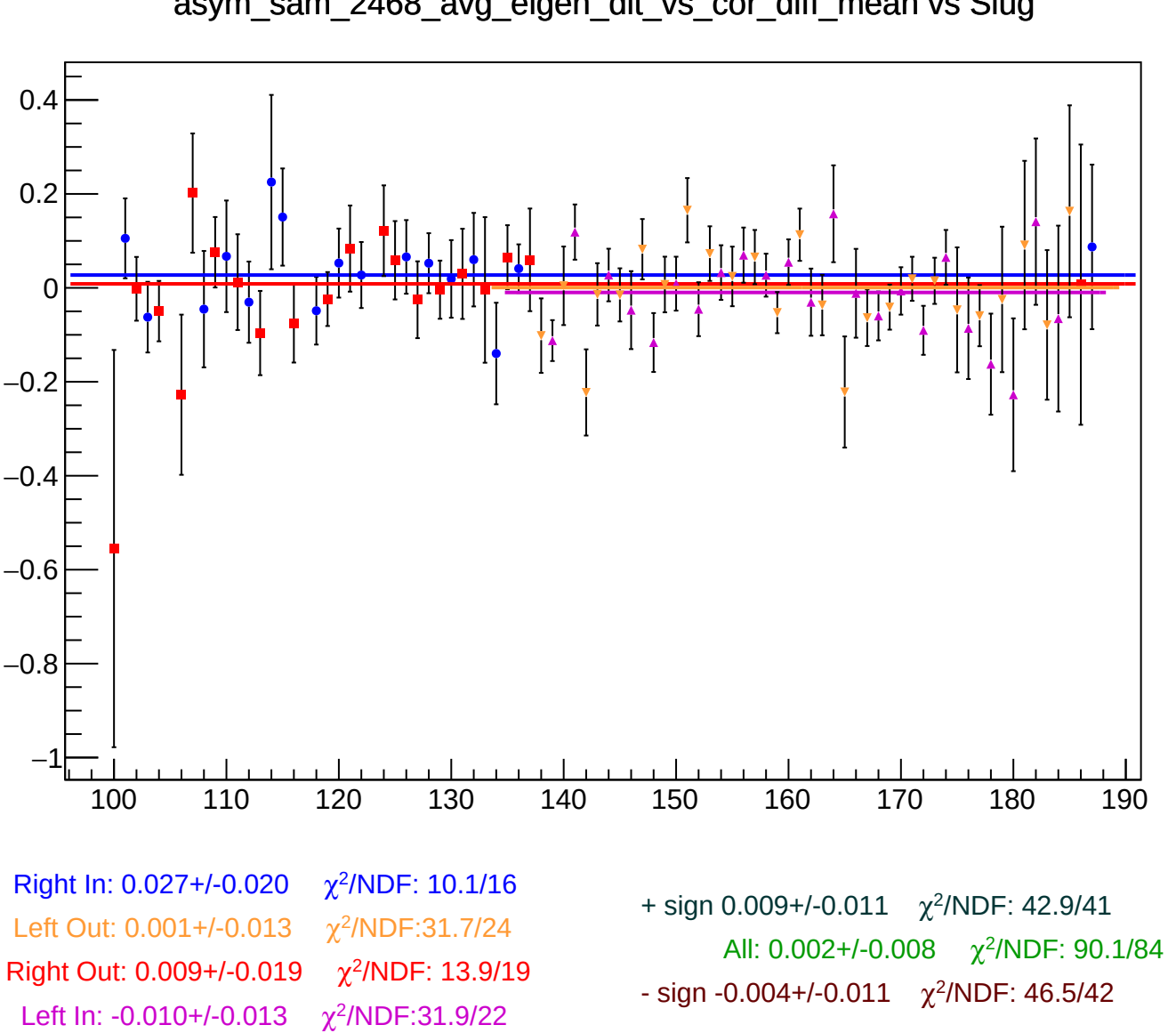
Right Out: 0.003+/-0.000 χ^2/NDF: 3215576.4/19

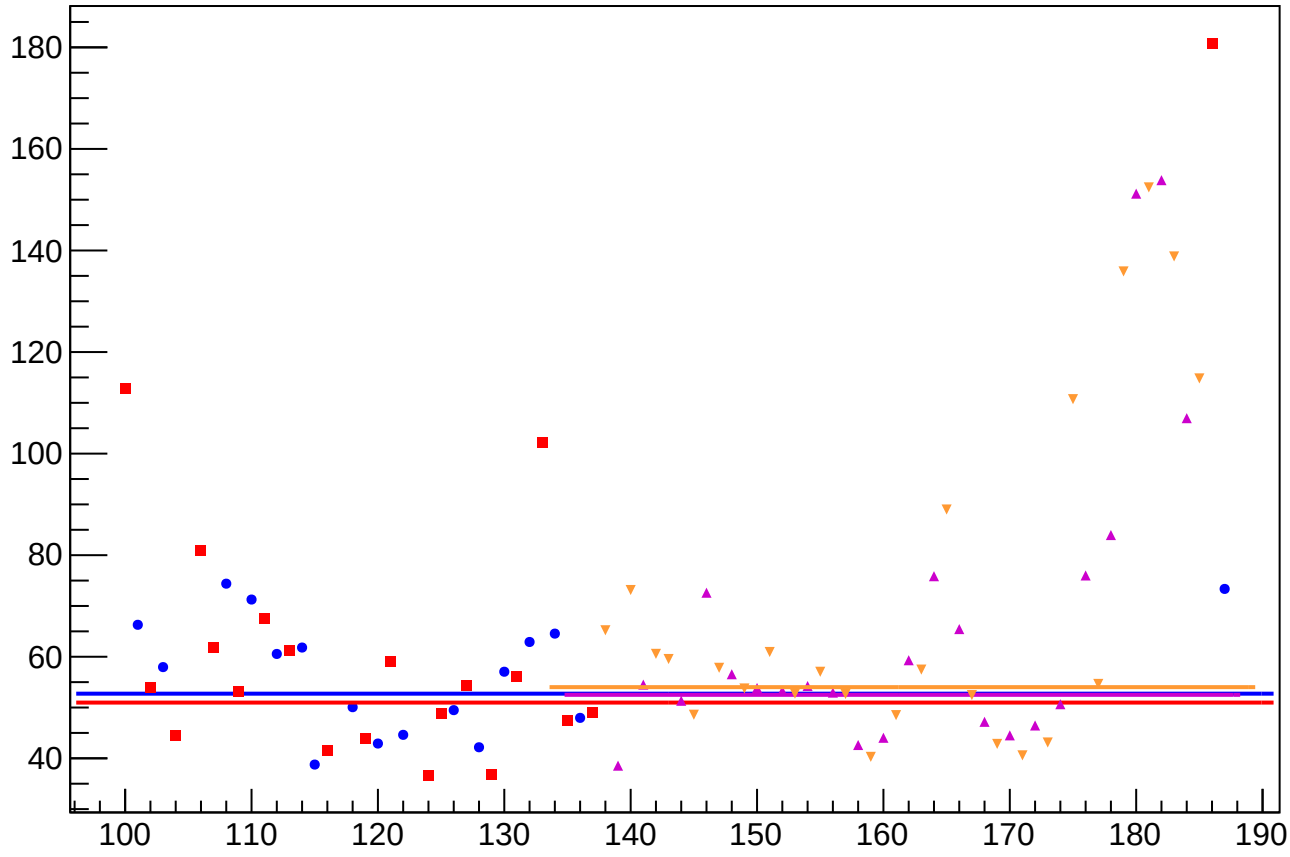
Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 7273900.2/41

All: 0.003+/-0.000 χ^2/NDF: 14503761.1/84

- sign 0.003+/-0.000 χ^2/NDF: 7211008.1/42


asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.027+/-0.020 χ²/NDF: 10.1/16
Left Out: 0.001+/-0.013 χ²/NDF:31.7/24
Right Out: 0.009+/-0.019 χ²/NDF: 13.9/19
Left In: -0.010+/-0.013 χ²/NDF:31.9/22
+ sign 0.009+/-0.011 χ²/NDF: 42.9/41
All: 0.002+/-0.008 χ²/NDF: 90.1/84
- sign -0.004+/-0.011 χ²/NDF: 46.5/42



Right In: 52.729+/-0.014 χ^2/NDF: 446081.0/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

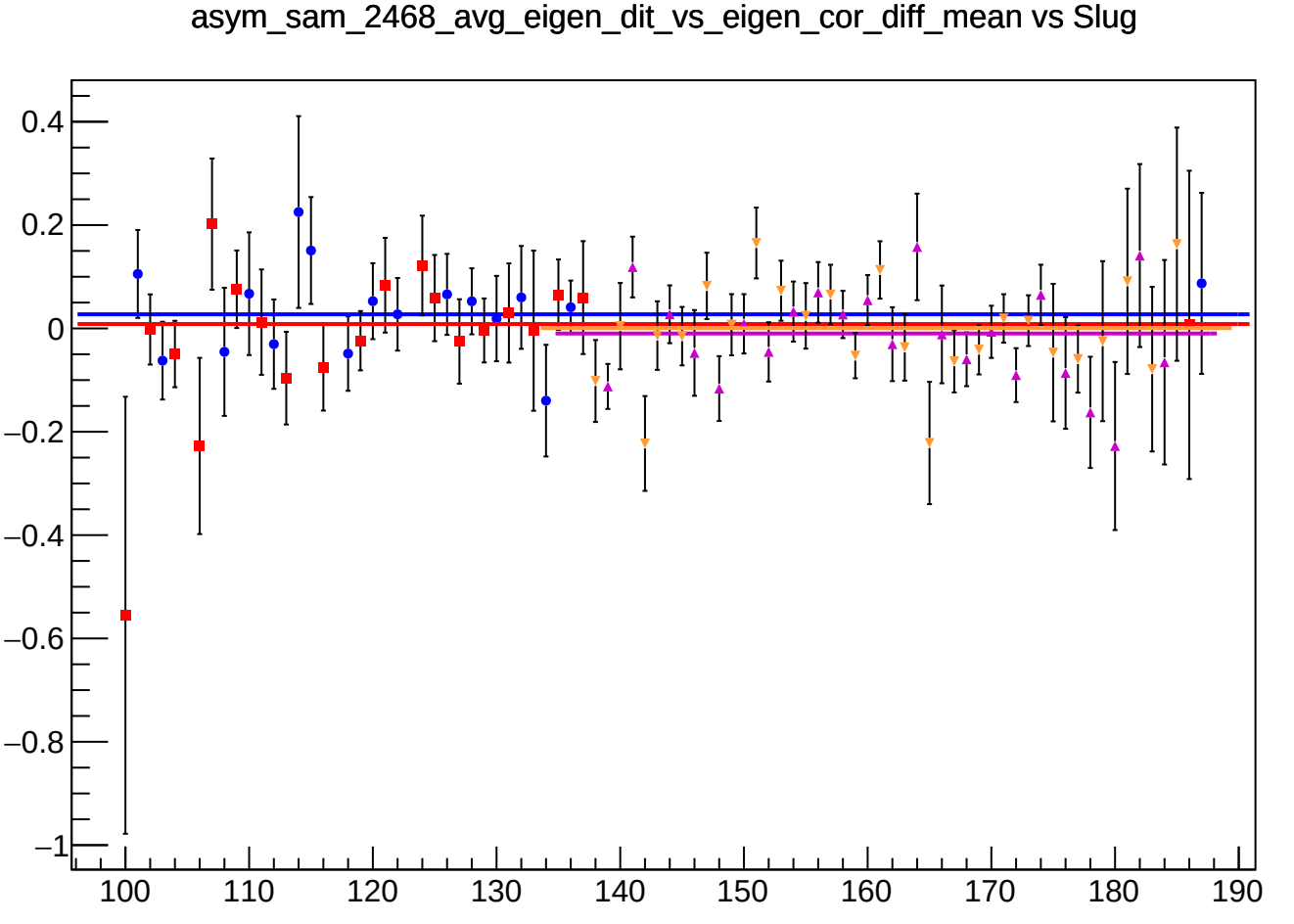
Right Out: 50.975+/-0.014 χ^2/NDF: 1056596.5/19

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.630+/-0.008 χ^2/NDF: 3679287.8/41

All: 52.814+/-0.006 χ^2/NDF: 7323554.9/84

- sign 52.019+/-0.008 χ^2/NDF: 3622847.7/42



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

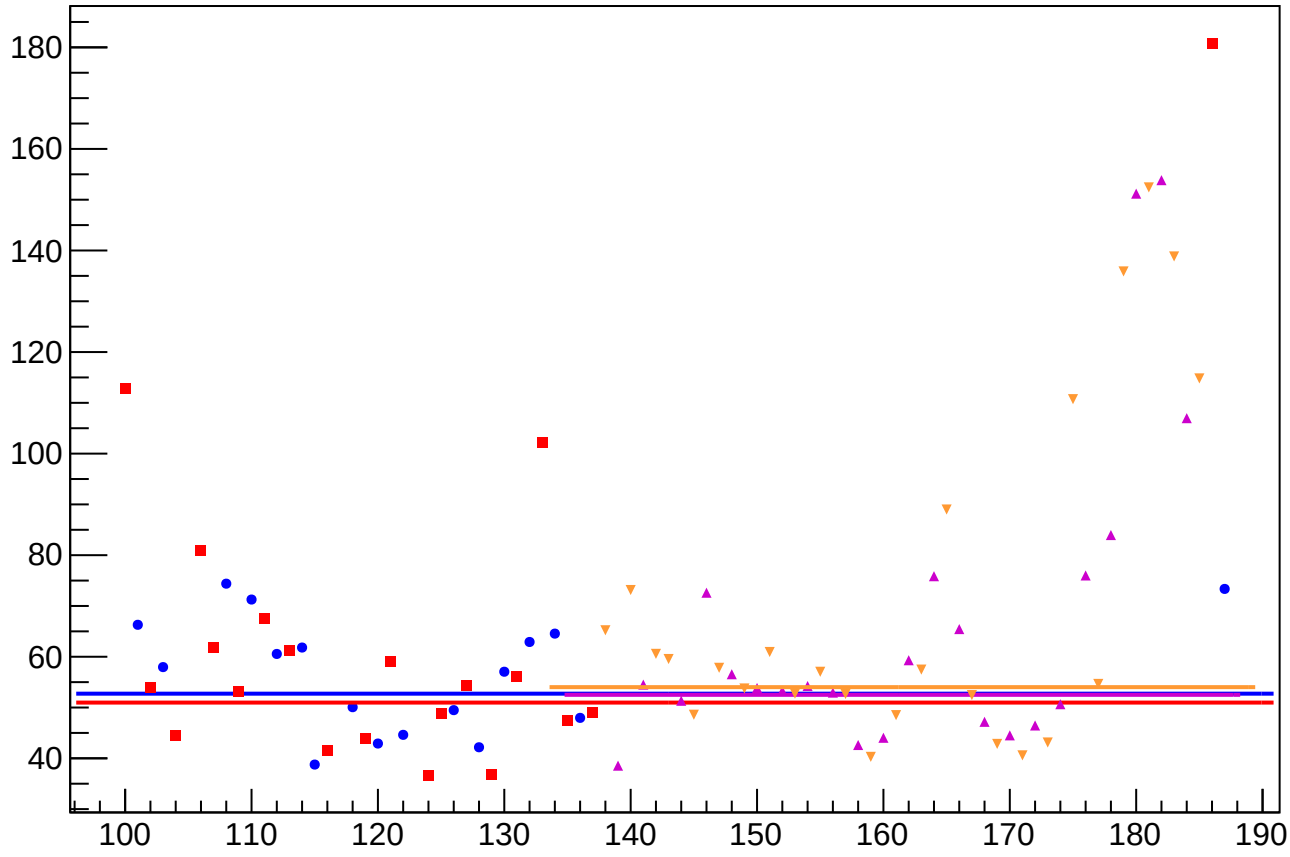
Right Out: 0.009+/-0.019 χ^2/NDF: 13.9/19

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.009+/-0.011 χ^2/NDF: 42.9/41

All: 0.002+/-0.008 χ^2/NDF: 90.1/84

- sign -0.004+/-0.011 χ^2/NDF: 46.5/42



Right In: 52.729+/-0.014 χ^2/NDF: 446081.0/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

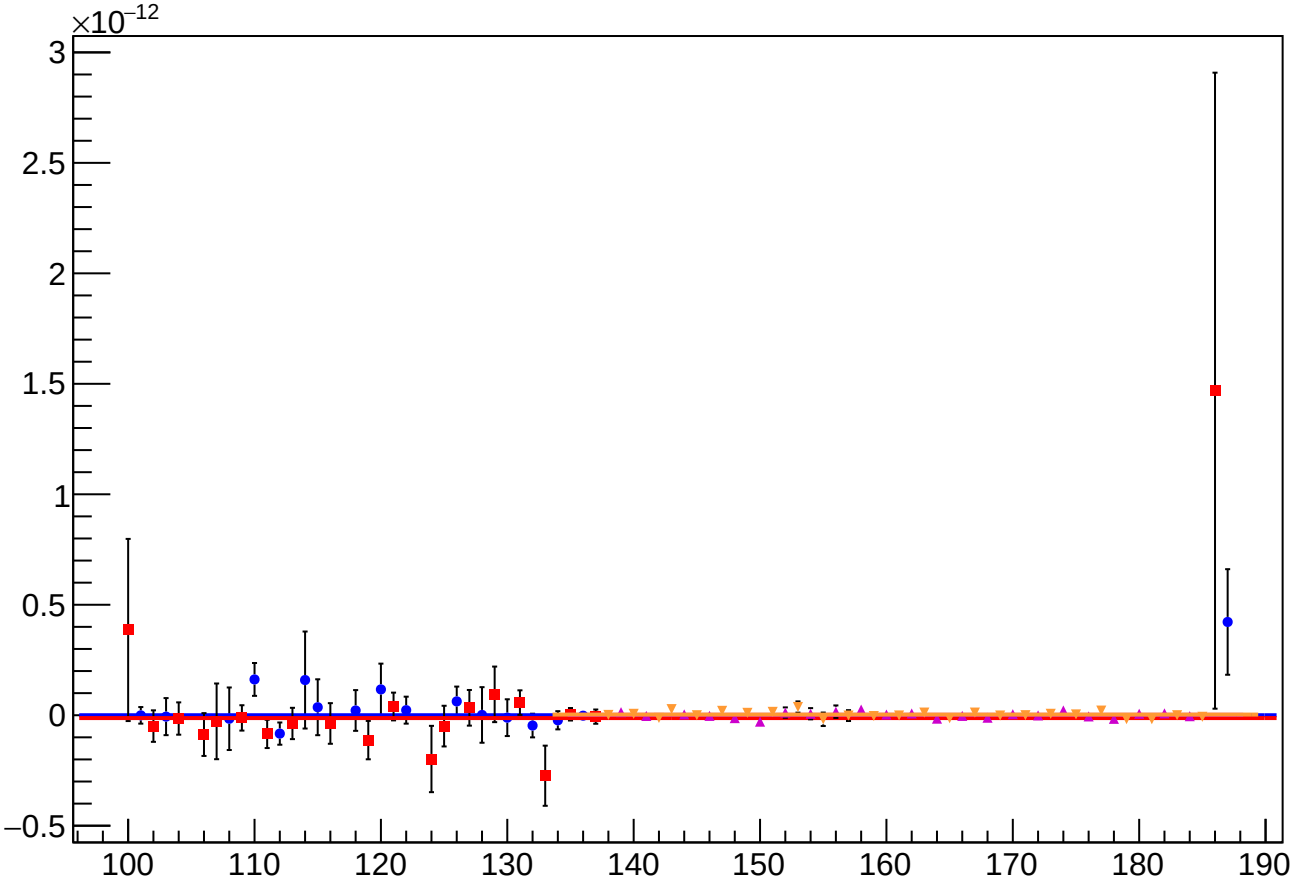
Right Out: 50.975+/-0.014 χ^2/NDF: 1056596.5/19

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.630+/-0.008 χ^2/NDF: 3679287.8/41

All: 52.814+/-0.006 χ^2/NDF: 7323554.9/84

- sign 52.019+/-0.008 χ^2/NDF: 3622847.7/42



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

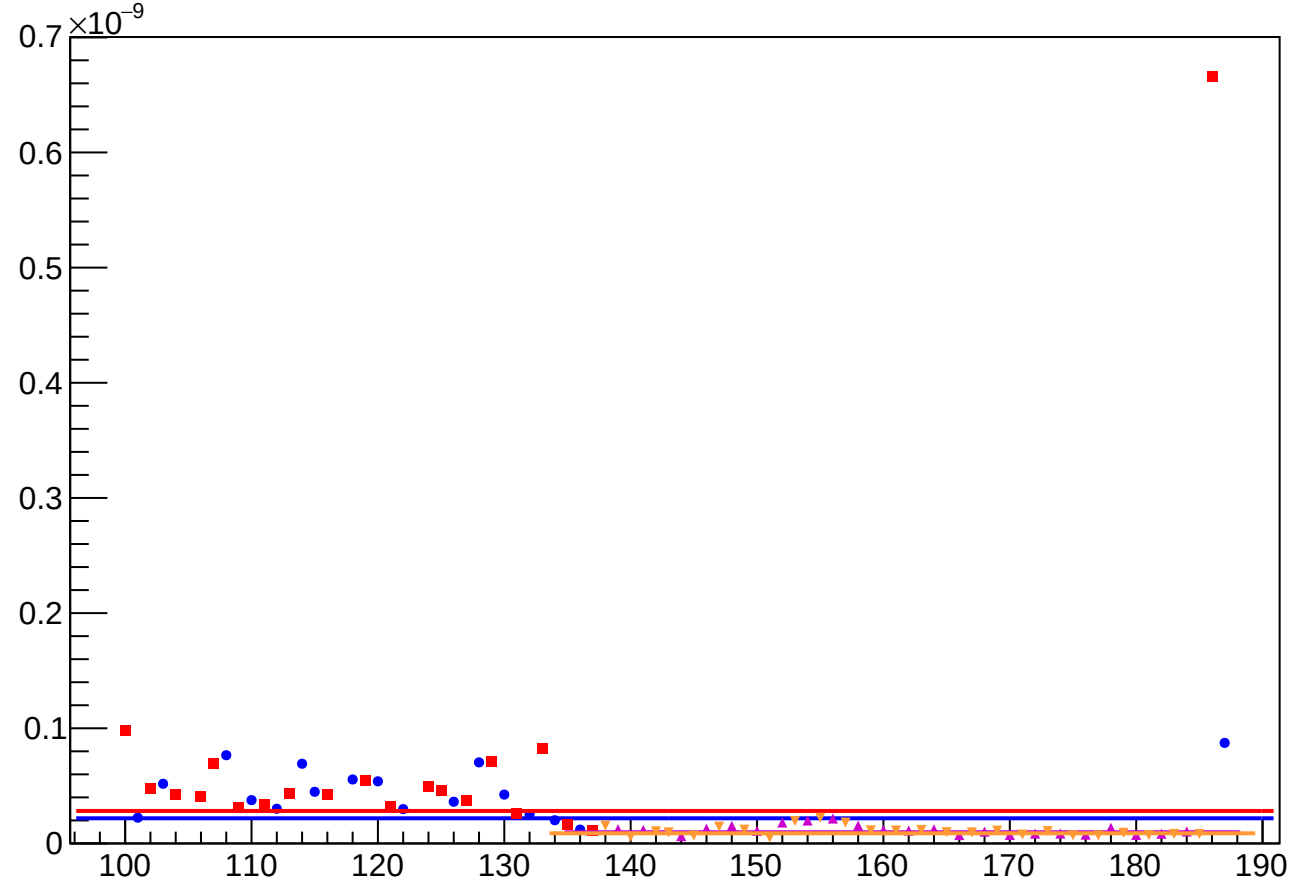
Right Out: -0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.3/41

All: 0.000+/-0.000 χ^2/NDF: 67.5/84

- sign 0.000+/-0.000 χ^2/NDF: 31.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 2673350.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2774636.5/19

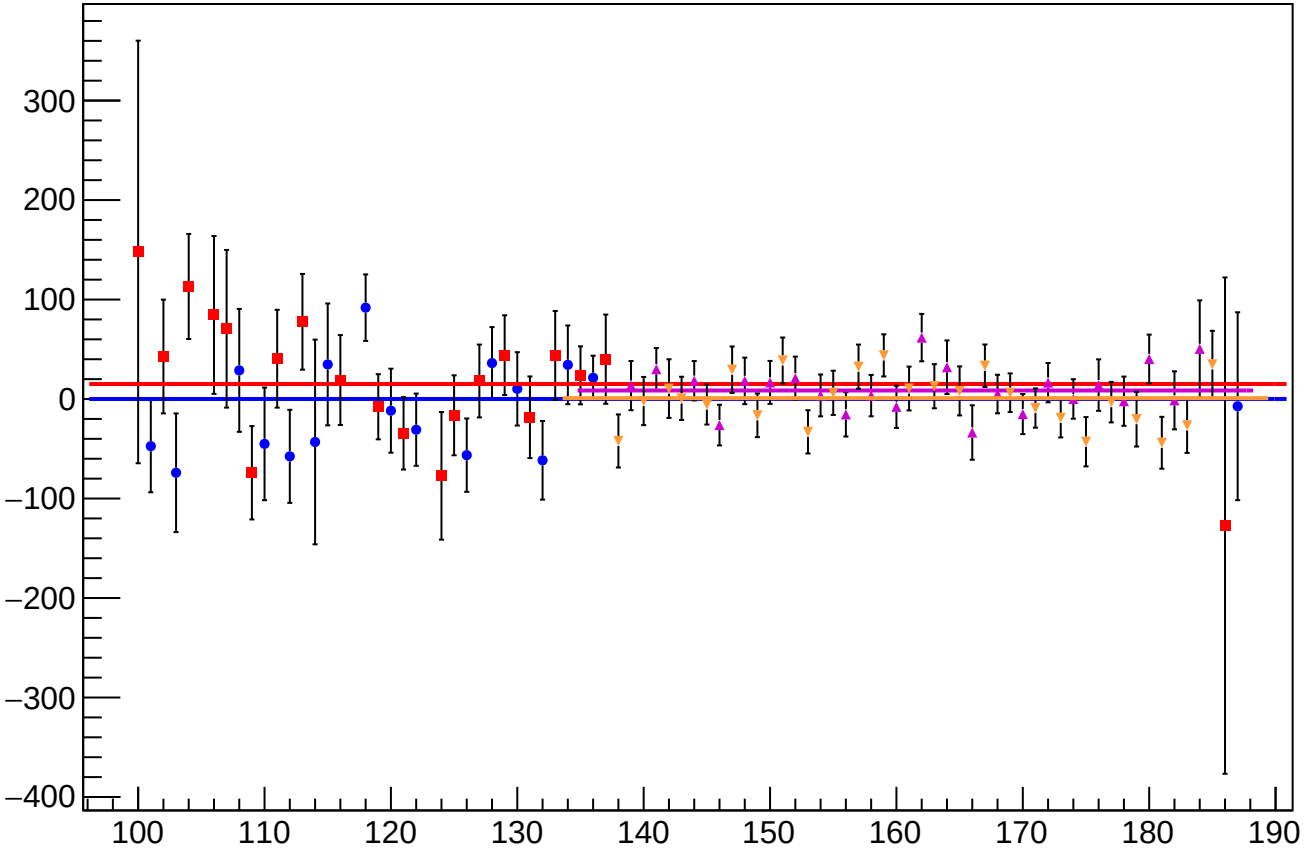
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7453767.4/41

All: 0.000+/-0.000 χ^2/NDF: 15816823.7/84

- sign 0.000+/-0.000 χ^2/NDF: 8222082.6/42

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.072+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 15.091+/-10.258 χ^2/NDF: 18.3/19

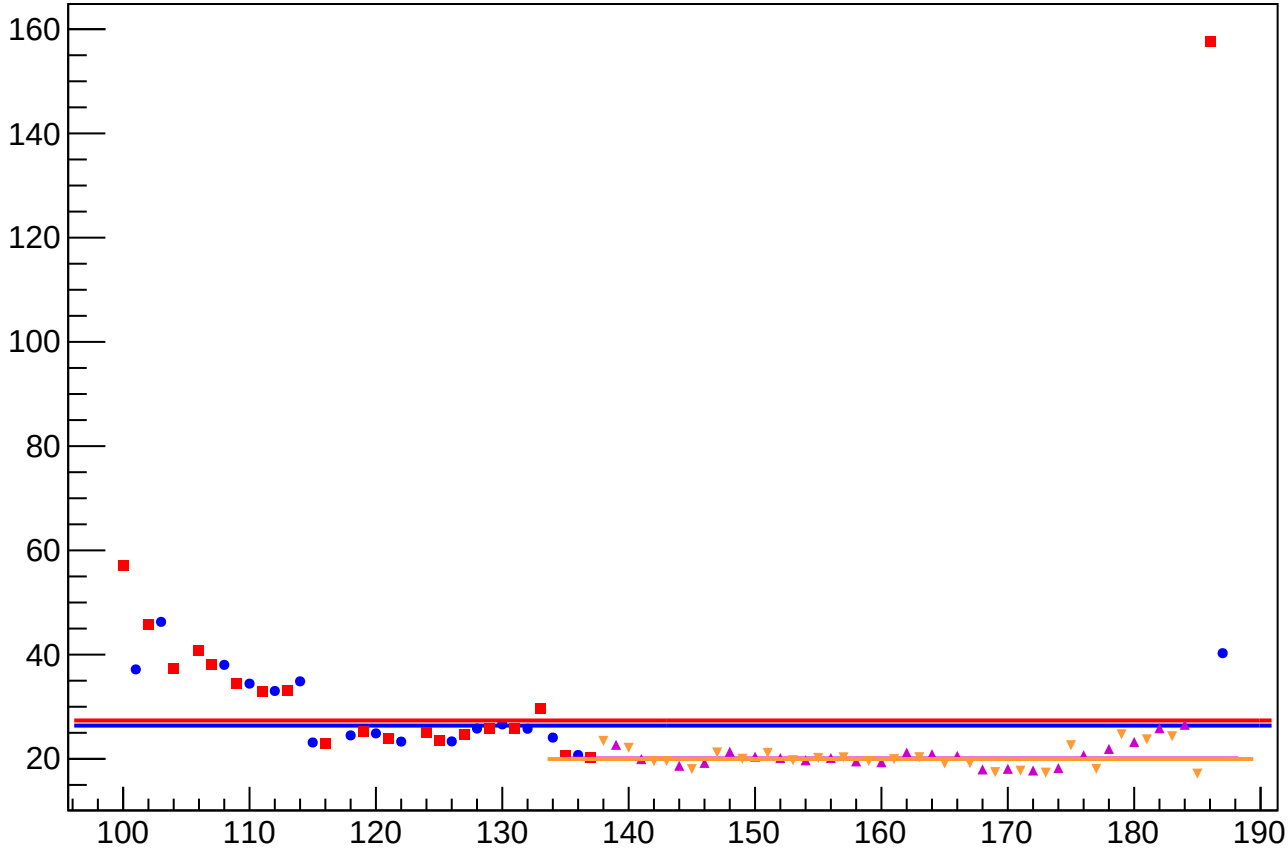
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.770+/-4.159 χ^2/NDF: 50.6/41

All: 5.113+/-2.986 χ^2/NDF: 90.8/84

- sign 9.736+/-4.291 χ^2/NDF: 38.0/42

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.384+/-0.007 χ^2/NDF: 719804.2/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

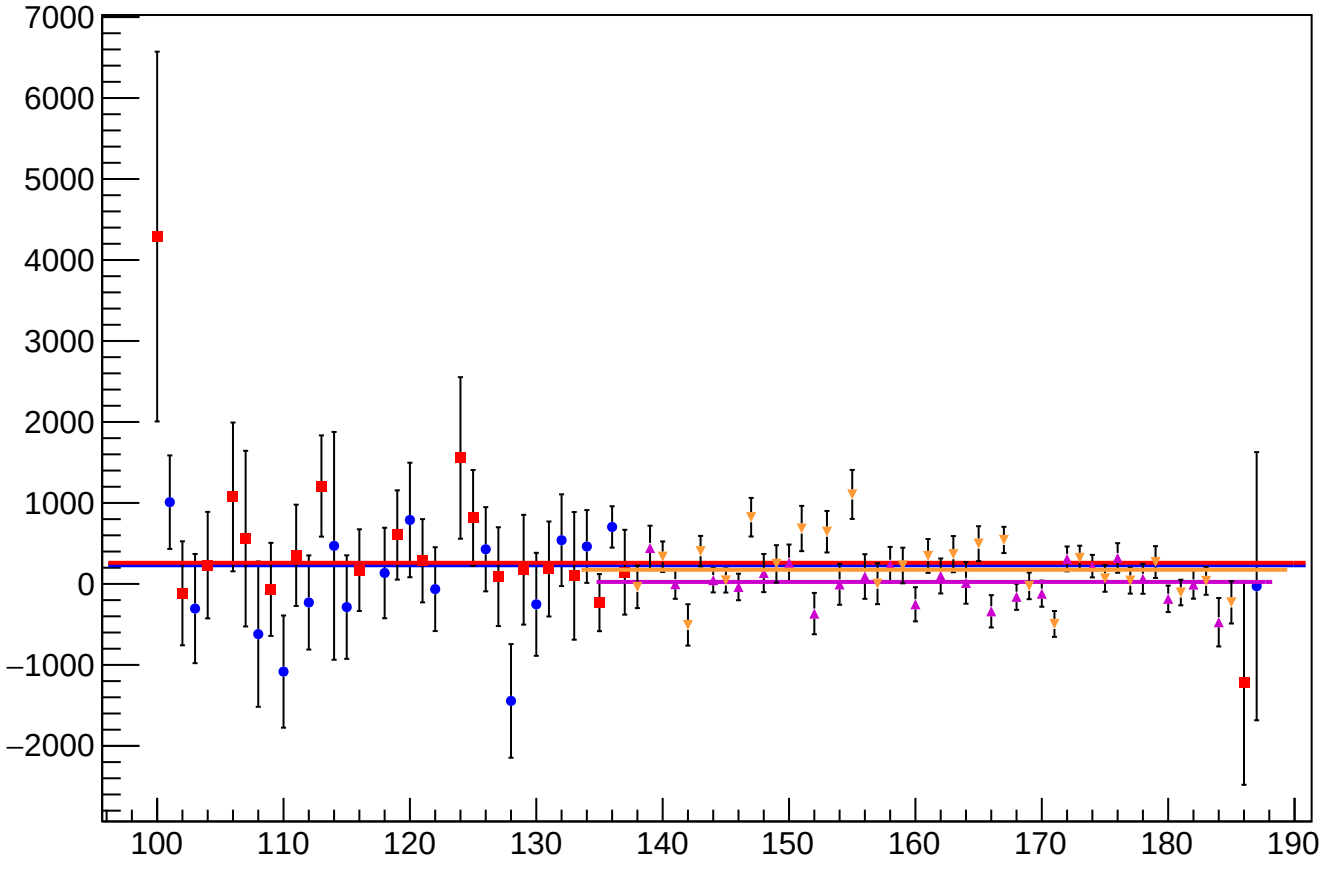
Right Out: 27.366+/-0.007 χ^2/NDF: 1301591.4/19

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.080+/-0.003 χ^2/NDF: 1788337.7/41

All: 21.210+/-0.002 χ^2/NDF: 4229816.5/84

- sign 21.348+/-0.003 χ^2/NDF: 2437450.9/42



Right In: 230.379+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: 260.713+/-139.108 χ^2/NDF: 13.5/19

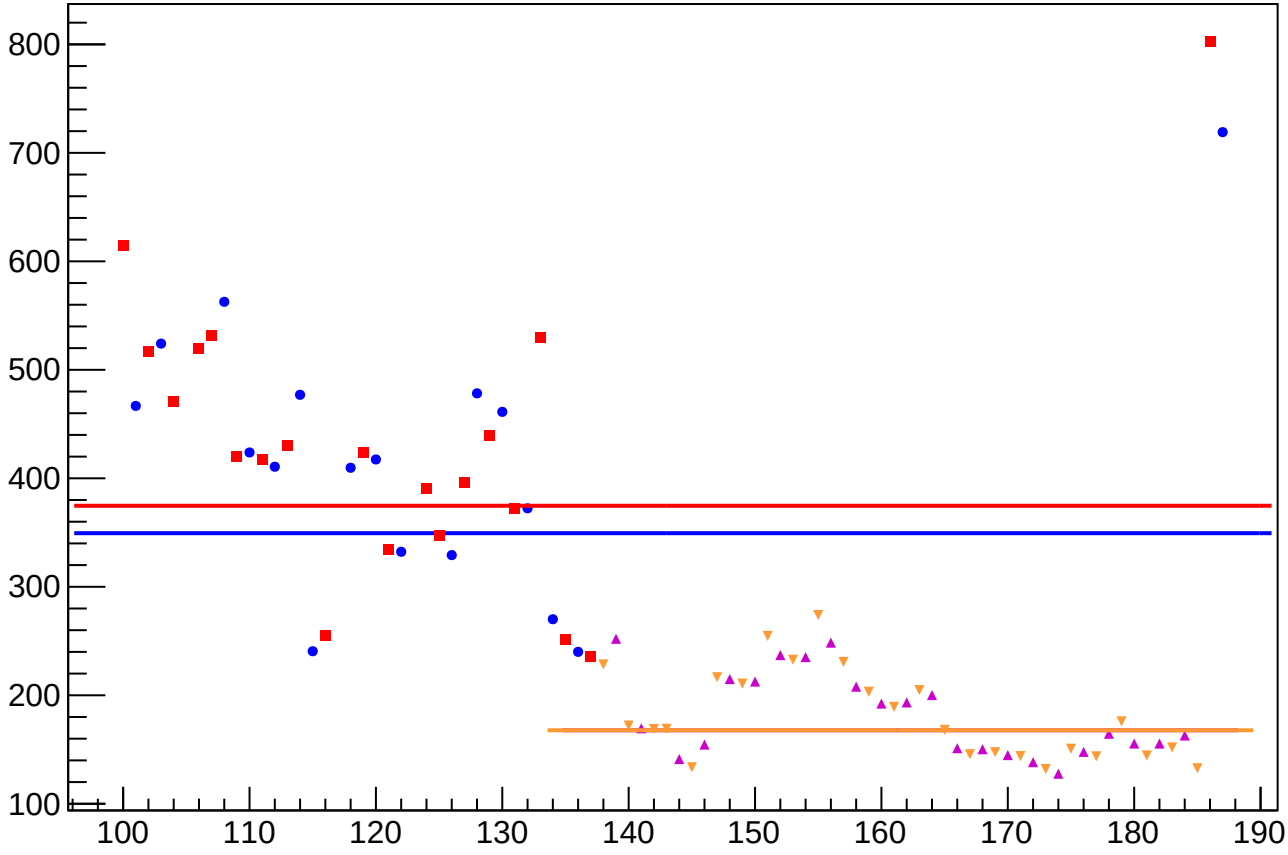
Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 179.026+/-37.499 χ^2/NDF: 91.0/41

All: 112.657+/-26.864 χ^2/NDF: 140.5/84

- sign 42.680+/-38.505 χ^2/NDF: 43.0/42

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 349.421+/-0.095 χ^2/NDF: 1158345.2/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 374.700+/-0.098 χ^2/NDF: 1152738.9/19

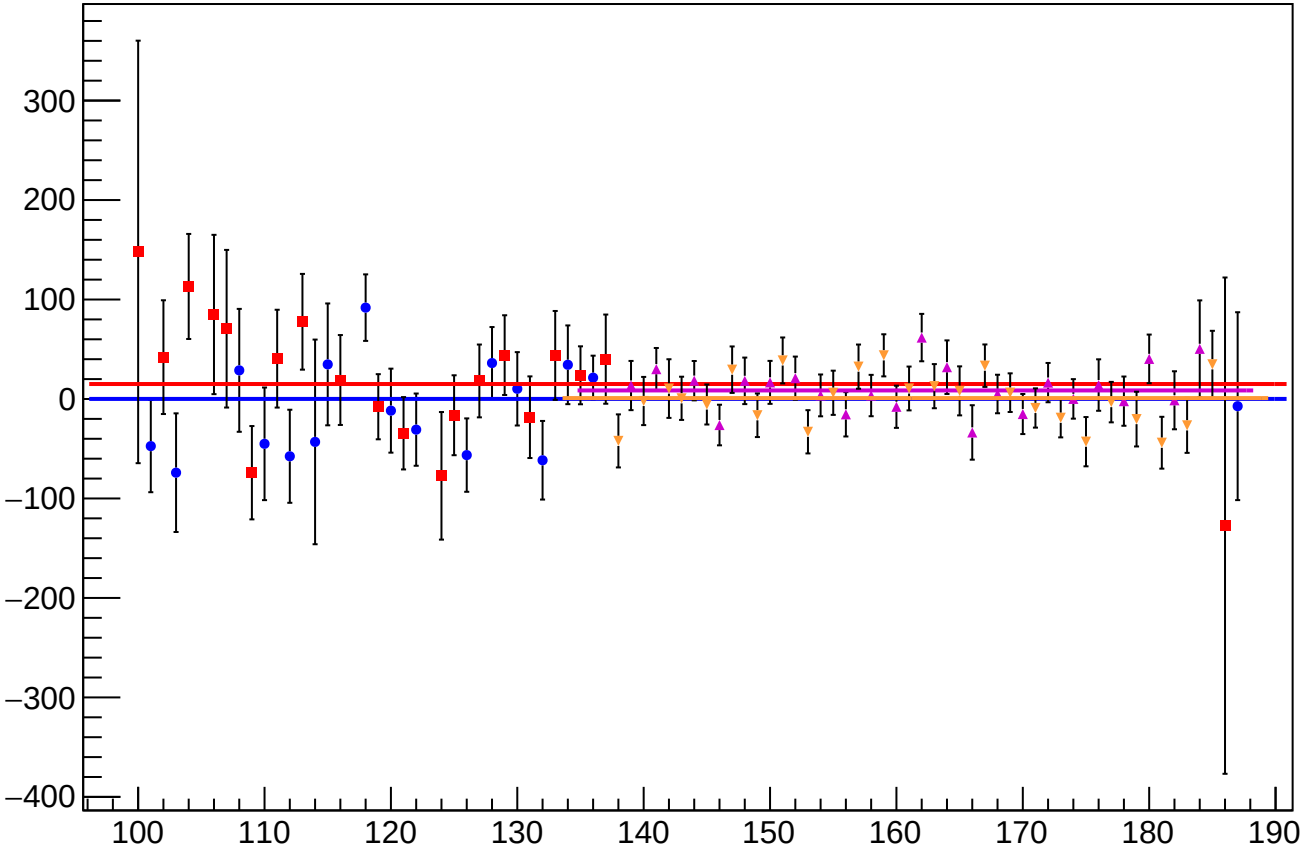
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 181.891+/-0.027 χ^2/NDF: 6105041.4/41

All: 182.725+/-0.019 χ^2/NDF: 12750335.1/84

- sign 183.604+/-0.027 χ^2/NDF: 6643261.8/42

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.075+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 15.051+/-10.260 χ^2/NDF: 18.3/19

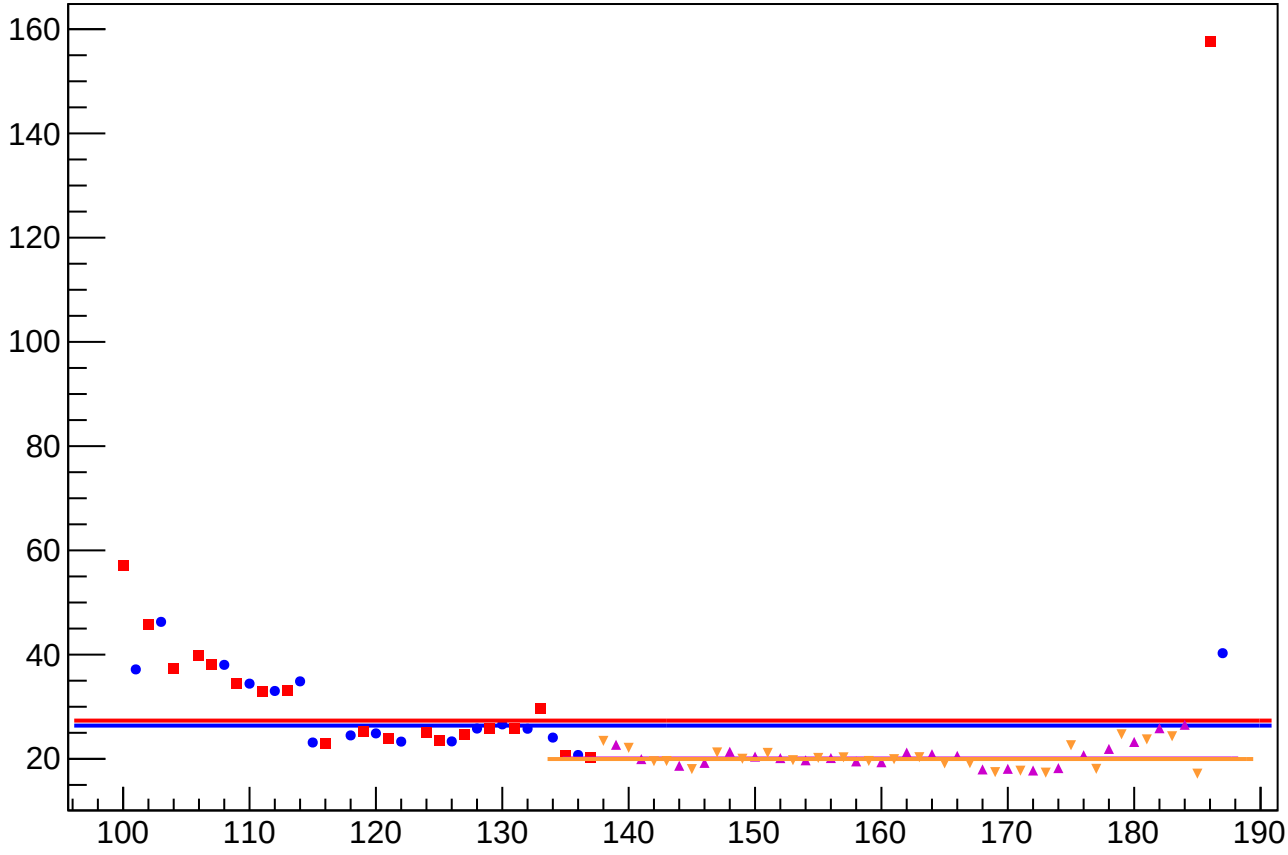
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.769+/-4.159 χ^2/NDF: 50.6/41

All: 5.109+/-2.986 χ^2/NDF: 90.8/84

- sign 9.728+/-4.291 χ^2/NDF: 37.9/42

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.384+/-0.007 χ^2/NDF: 719807.6/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

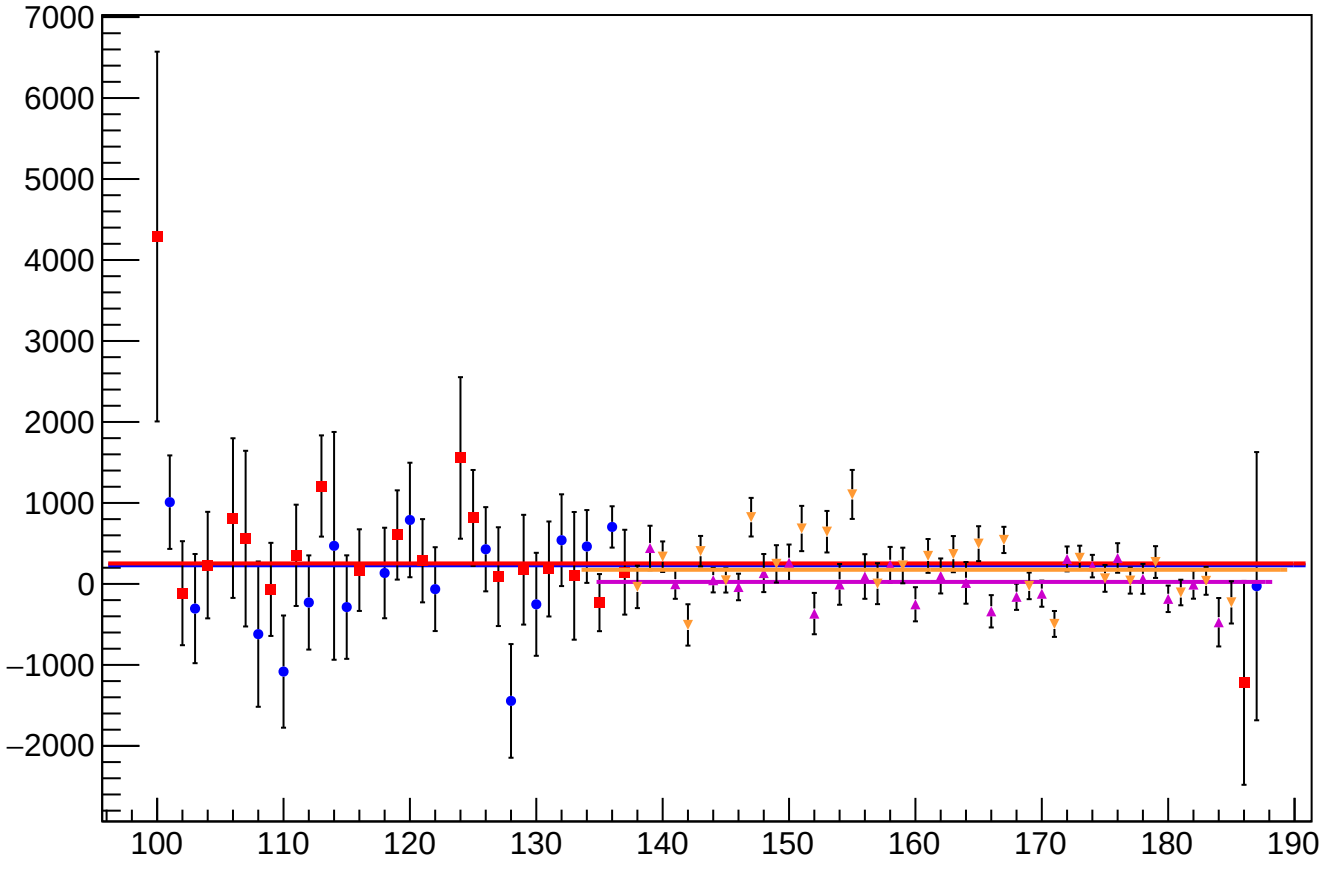
Right Out: 27.344+/-0.007 χ^2/NDF: 1292030.3/19

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.080+/-0.003 χ^2/NDF: 1788341.0/41

All: 21.208+/-0.002 χ^2/NDF: 4214927.7/84

- sign 21.344+/-0.003 χ^2/NDF: 2422683.0/42



Right In: 230.371+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: 253.120+/-139.321 χ^2/NDF: 13.0/19

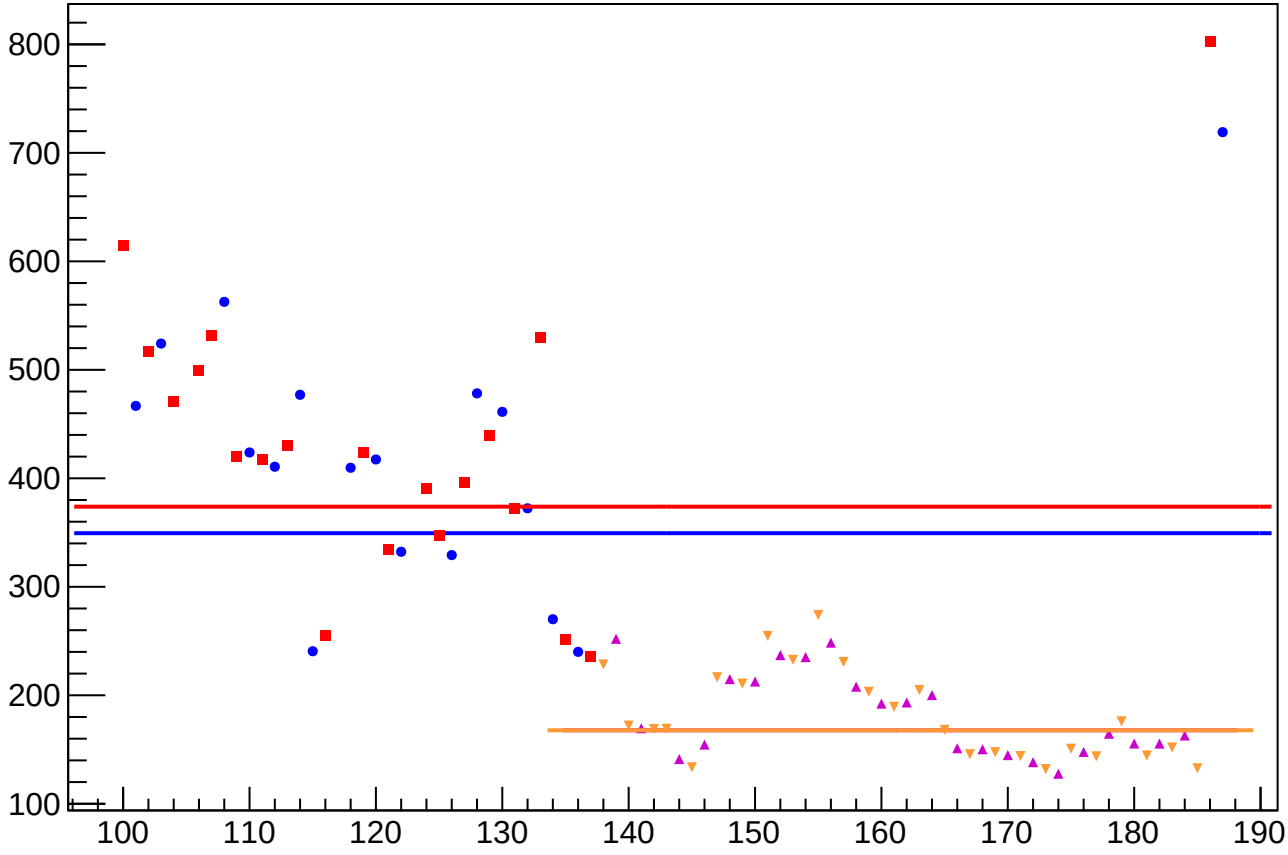
Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 179.024+/-37.499 χ^2/NDF: 91.0/41

All: 112.357+/-26.866 χ^2/NDF: 139.9/84

- sign 42.050+/-38.509 χ^2/NDF: 42.4/42

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 349.421+/-0.095 χ^2/NDF: 1158373.0/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 373.860+/-0.099 χ^2/NDF: 1135034.7/19

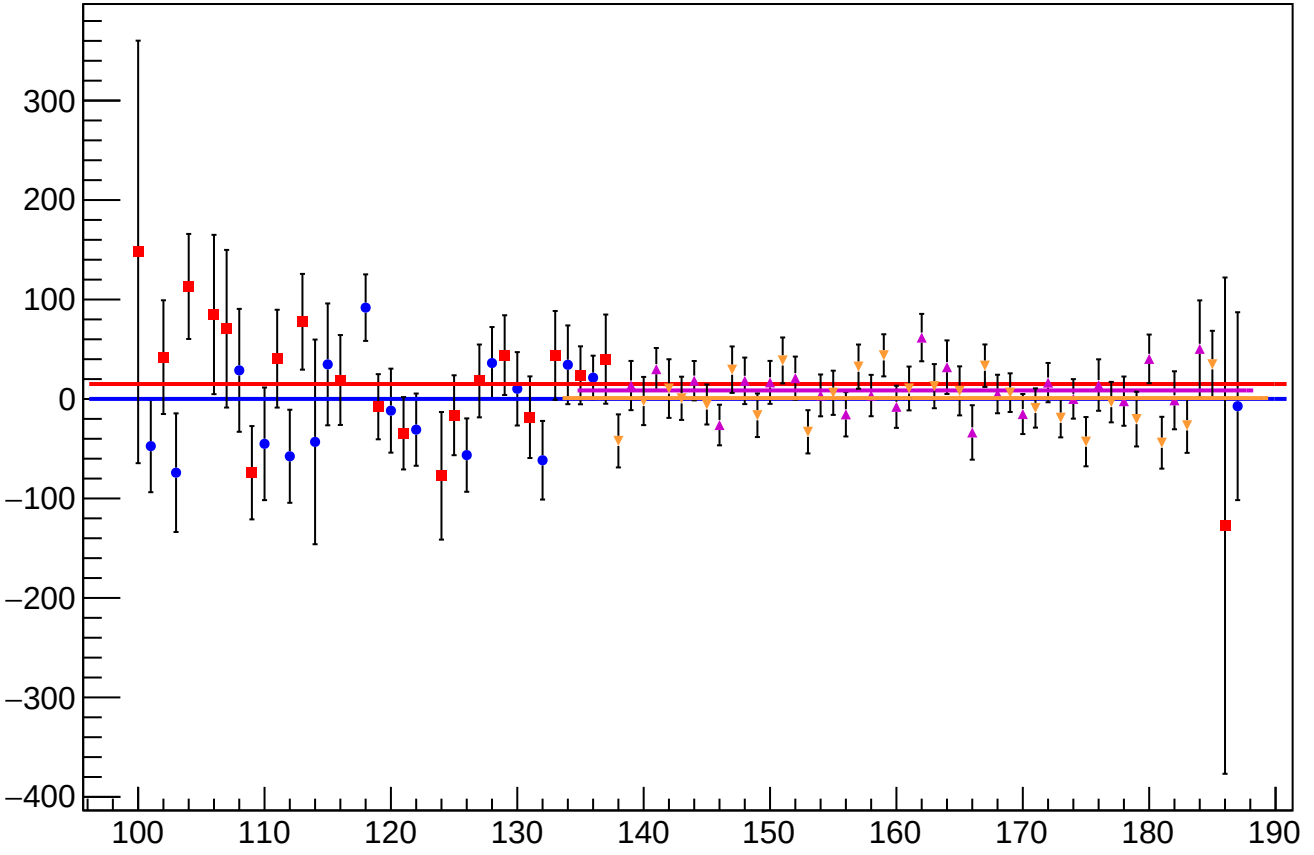
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 181.891+/-0.027 χ^2/NDF: 6105063.6/41

All: 182.672+/-0.019 χ^2/NDF: 12687804.7/84

- sign 183.495+/-0.027 χ^2/NDF: 6580959.5/42

eigen_cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: 0.075+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 15.051+/-10.260 χ^2/NDF: 18.3/19

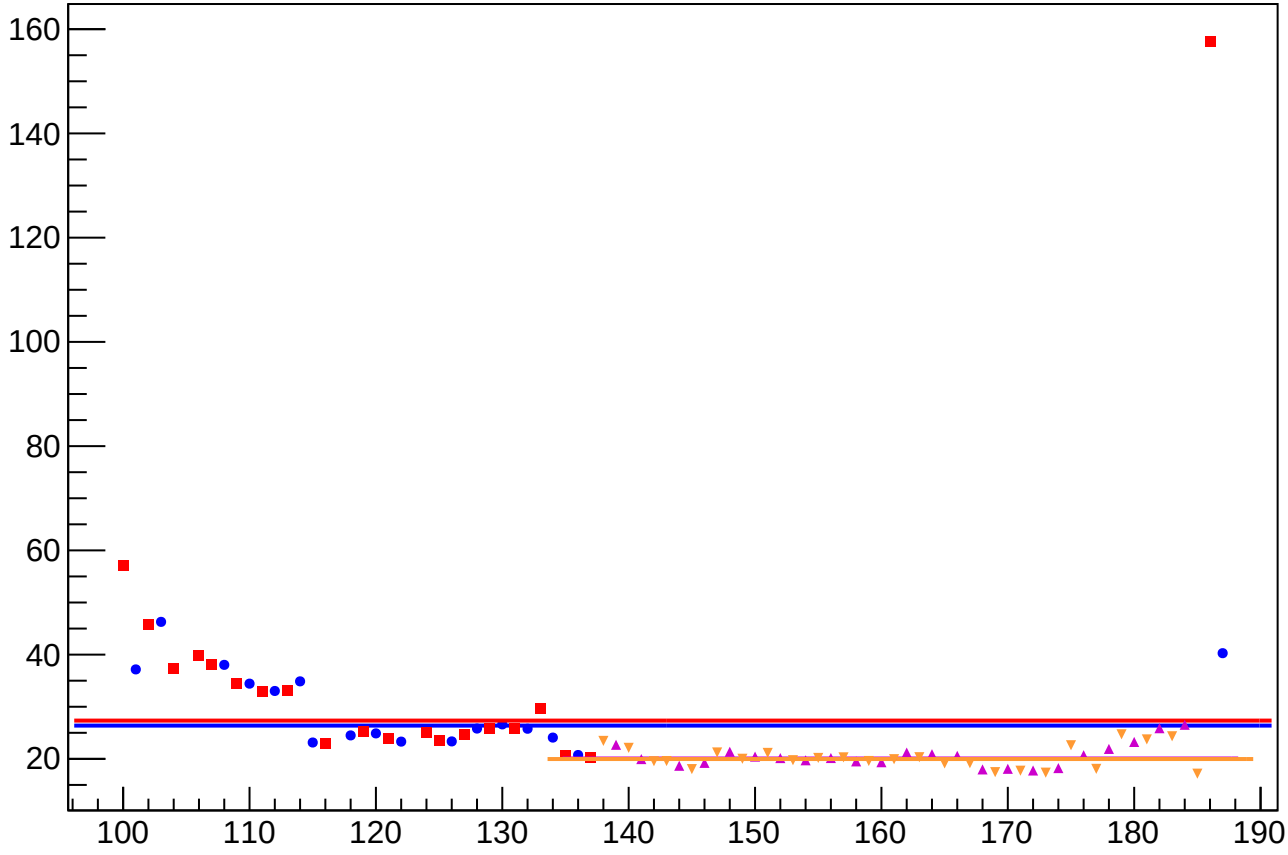
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.769+/-4.159 χ^2/NDF: 50.6/41

All: 5.109+/-2.986 χ^2/NDF: 90.8/84

- sign 9.728+/-4.291 χ^2/NDF: 37.9/42

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.384+/-0.007 χ^2/NDF: 719807.6/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

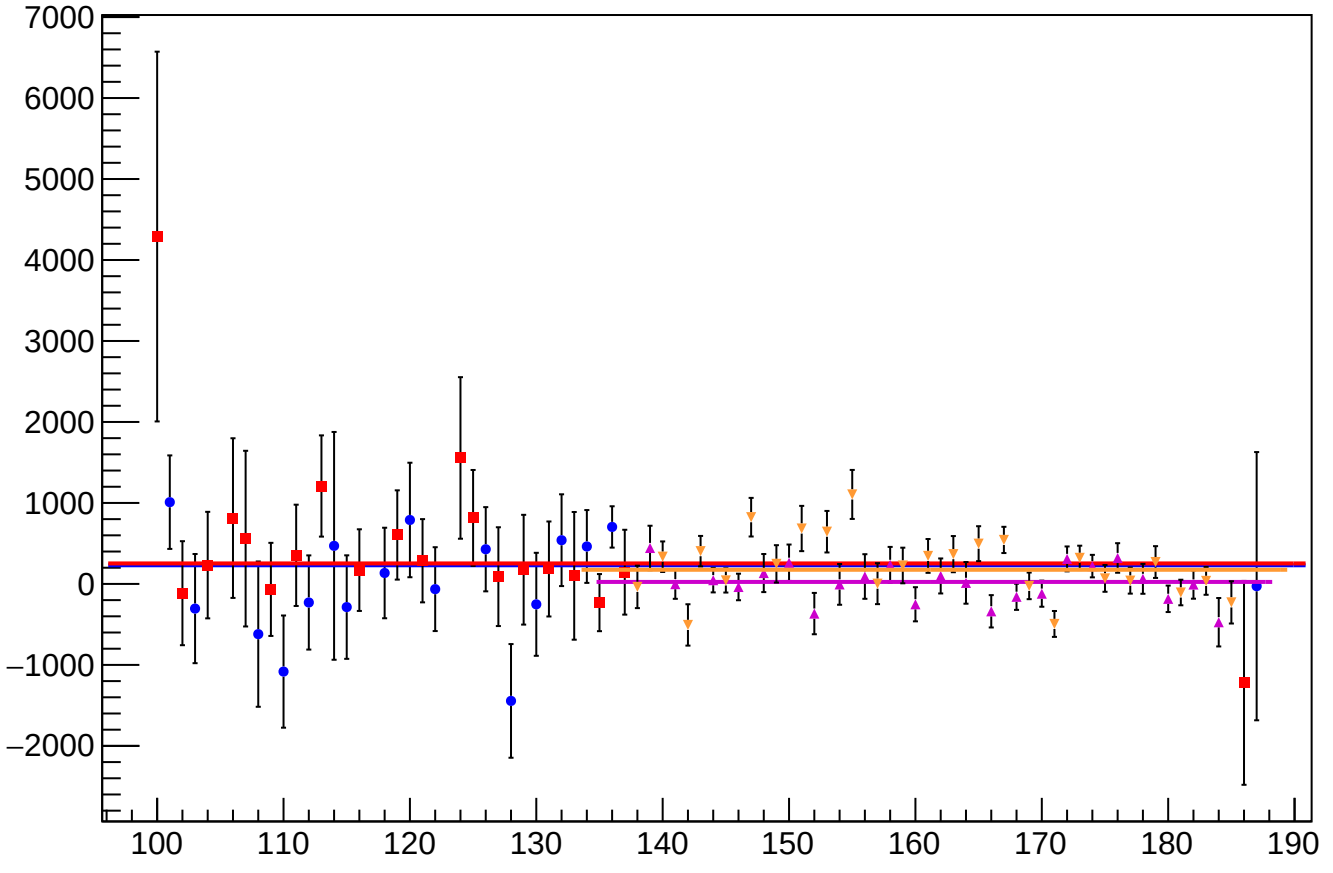
Right Out: 27.344+/-0.007 χ^2/NDF: 1292030.3/19

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 21.080+/-0.003 χ^2/NDF: 1788341.0/41

All: 21.208+/-0.002 χ^2/NDF: 4214927.7/84

- sign 21.344+/-0.003 χ^2/NDF: 2422683.0/42



Right In: 230.371+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

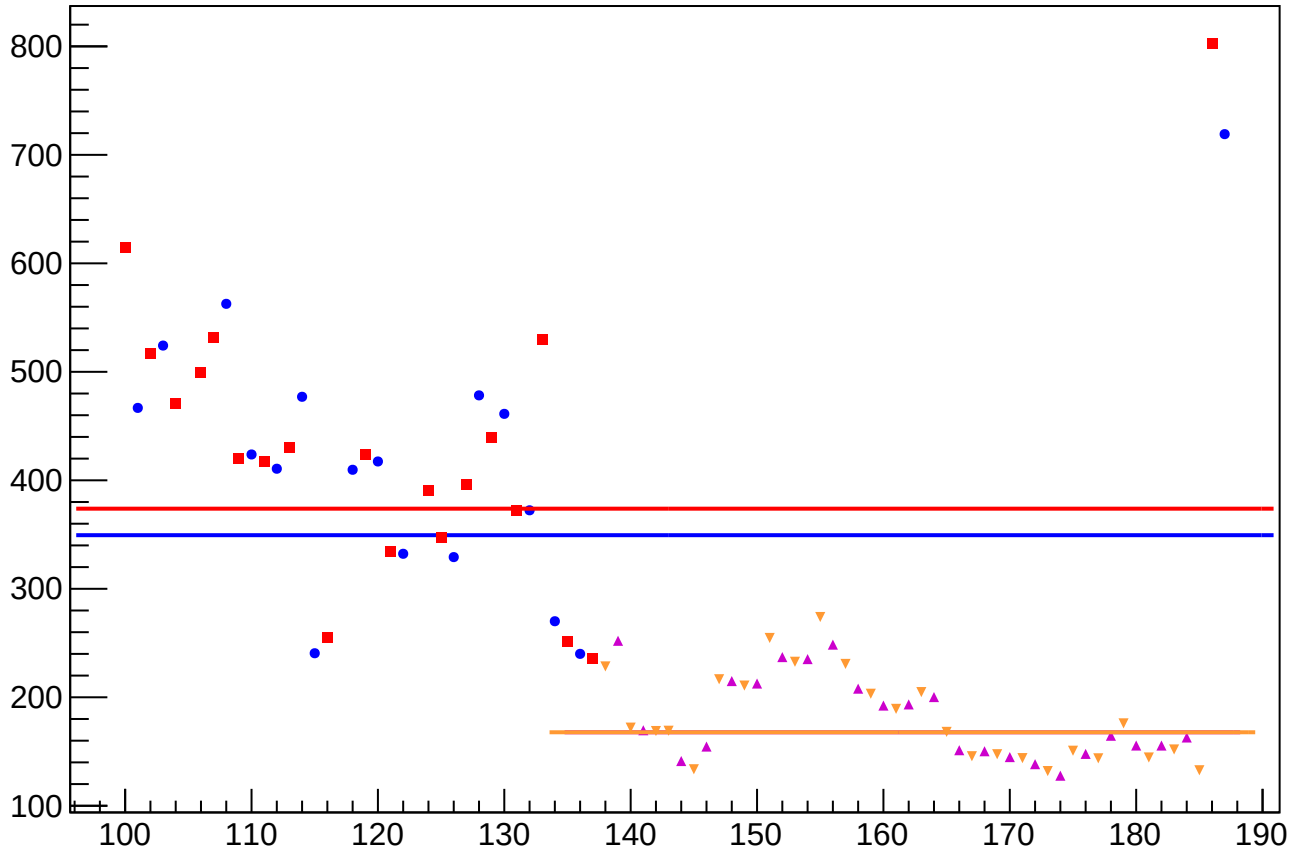
Right Out: 253.120+/-139.321 χ^2/NDF: 13.0/19

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 179.024+/-37.499 χ^2/NDF: 91.0/41

All: 112.357+/-26.866 χ^2/NDF: 139.9/84

- sign 42.050+/-38.509 χ^2/NDF: 42.4/42



Right In: 349.421+/-0.095 χ^2/NDF: 1158373.0/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 373.860+/-0.099 χ^2/NDF: 1135034.7/19

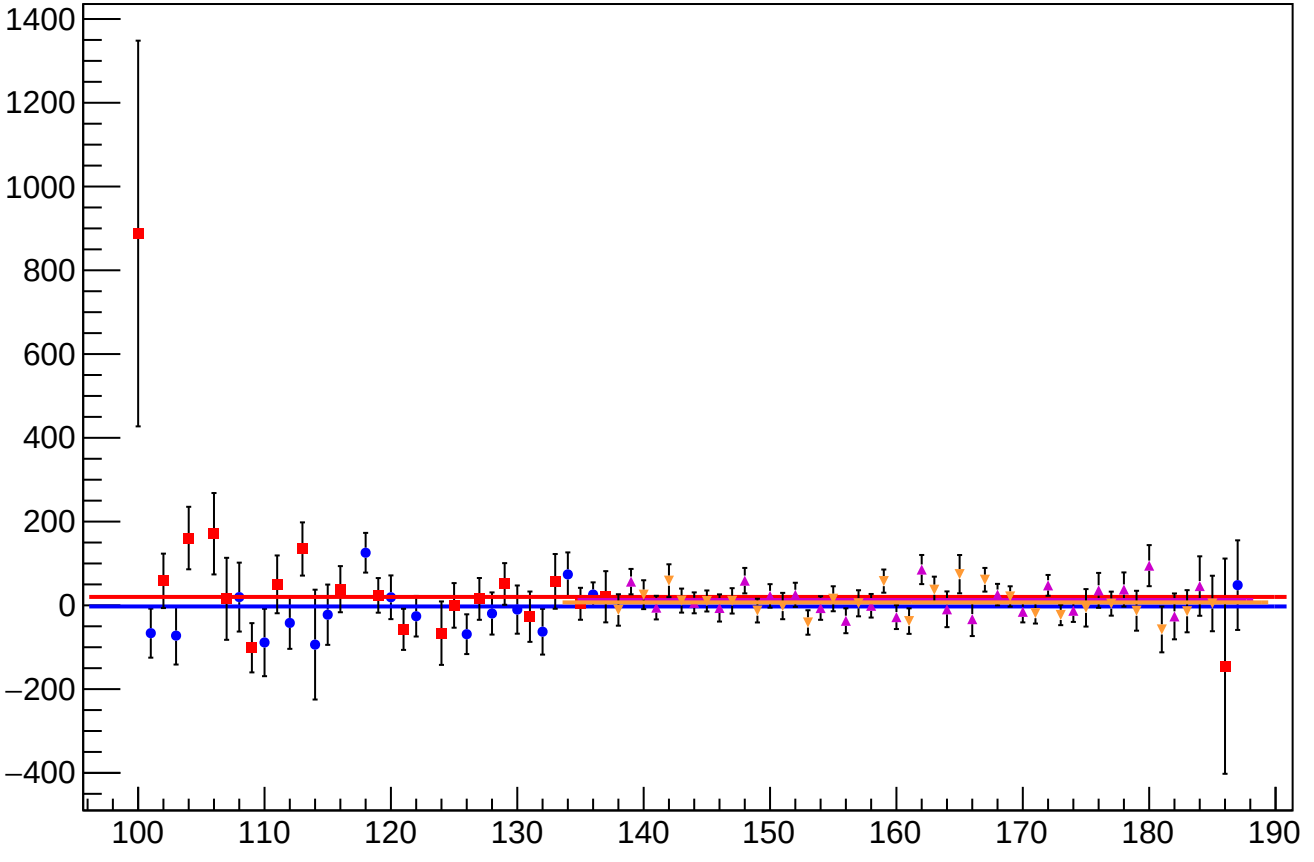
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 181.891+/-0.027 χ^2/NDF: 6105063.6/41

All: 182.672+/-0.019 χ^2/NDF: 12687804.7/84

- sign 183.495+/-0.027 χ^2/NDF: 6580959.5/42

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -2.626+/-13.289 χ^2/NDF: 18.7/16

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 20.114+/-13.456 χ^2/NDF: 23.6/19

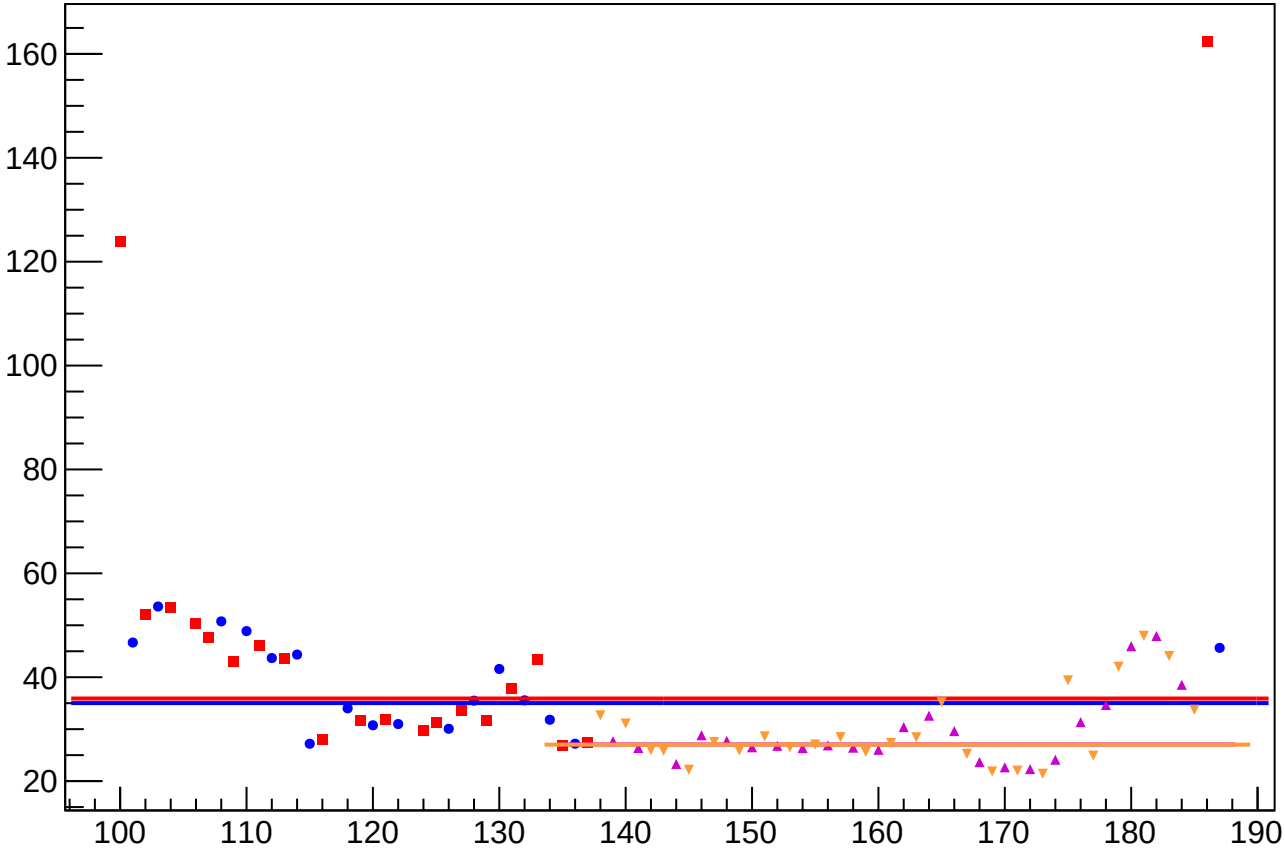
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.283+/-5.717 χ^2/NDF: 41.9/41

All: 9.583+/-4.093 χ^2/NDF: 92.4/84

- sign 14.105+/-5.863 χ^2/NDF: 49.4/42

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.017+/-0.009 χ^2/NDF: 678212.3/16

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 35.901+/-0.010 χ^2/NDF: 1265647.3/19

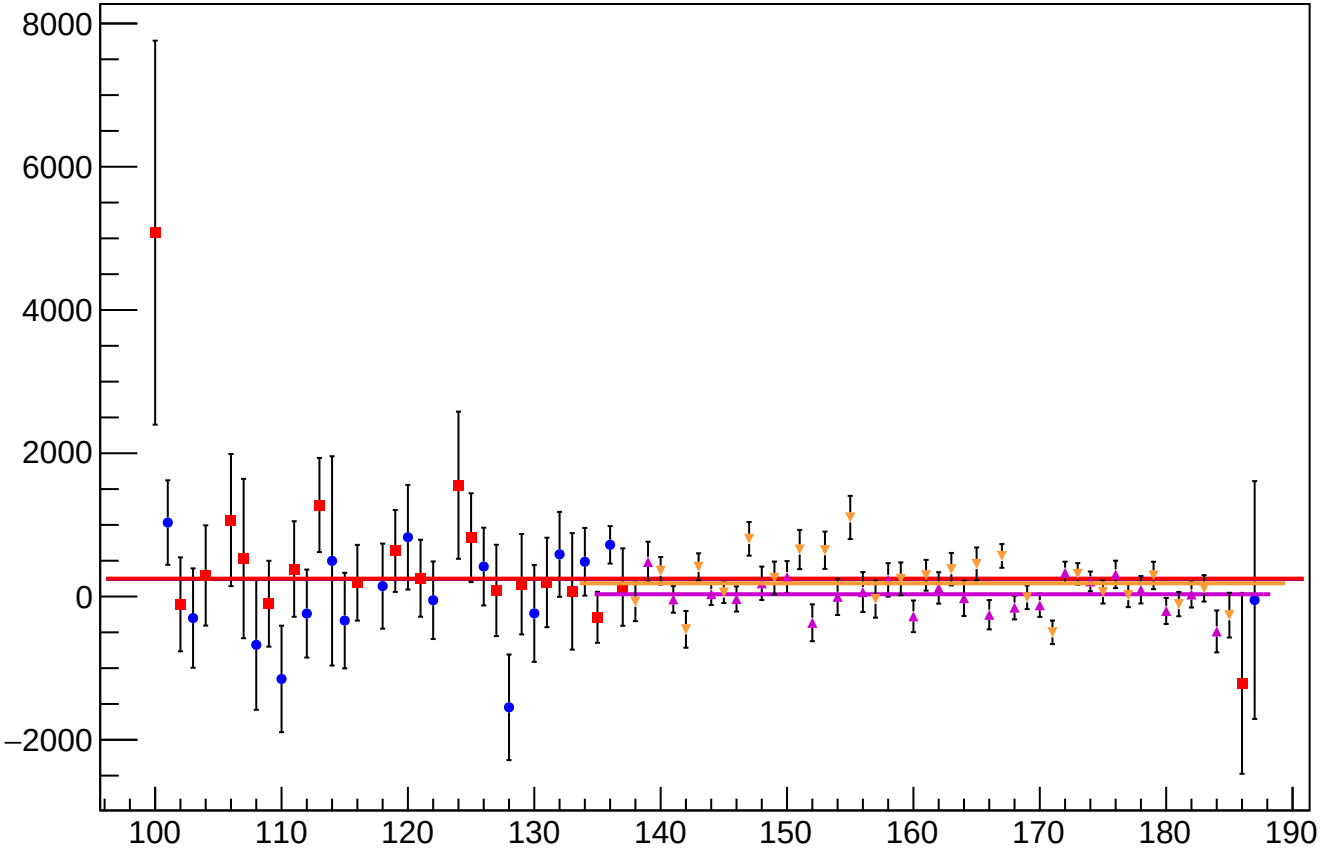
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 28.505+/-0.004 χ^2/NDF: 2698050.9/41

All: 28.616+/-0.003 χ^2/NDF: 5710253.5/84

- sign 28.732+/-0.004 χ^2/NDF: 3010673.4/42

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 244.412+/-139.776 χ^2/NDF: 19.8/16

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

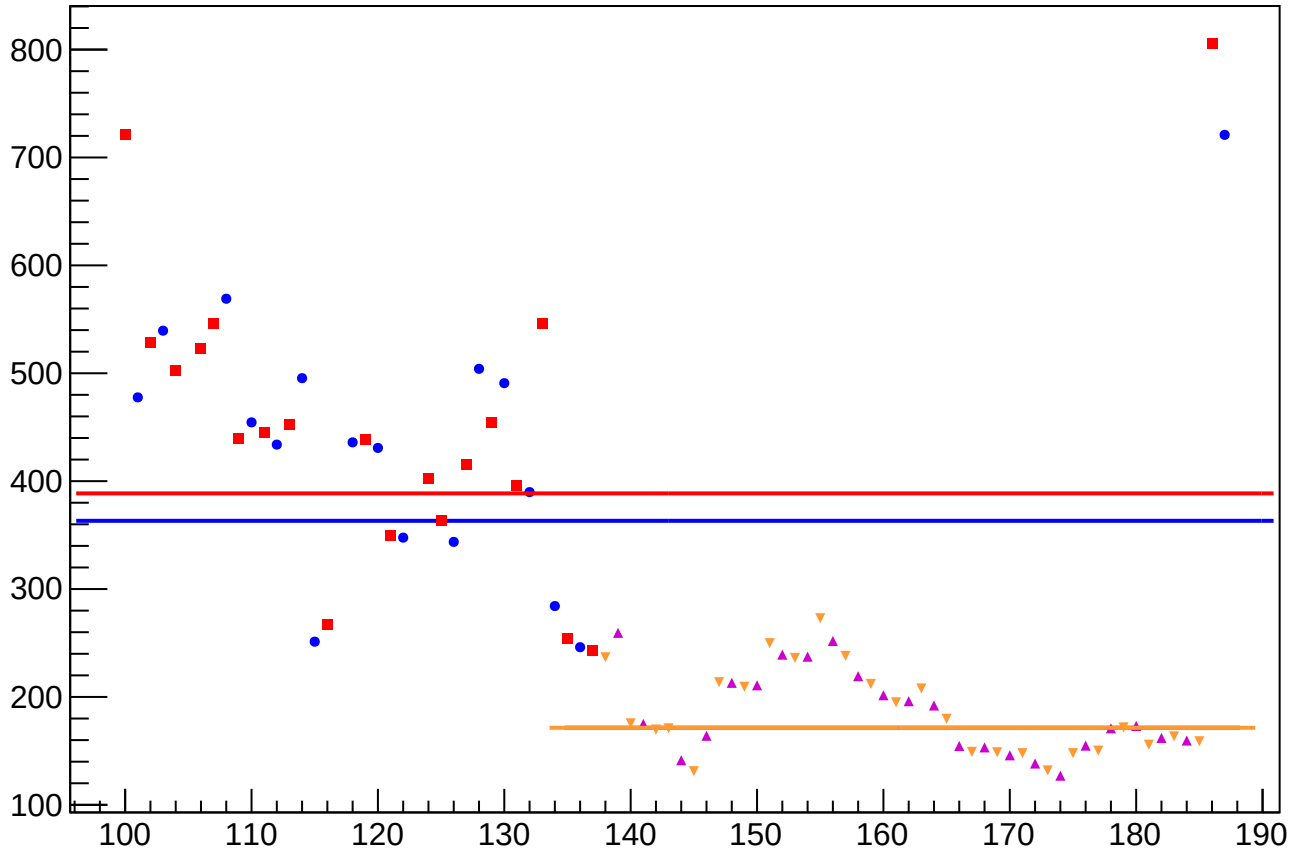
Right Out: 249.561+/-144.343 χ^2/NDF: 14.0/19

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 189.162+/-38.307 χ^2/NDF: 87.6/41

All: 120.657+/-27.471 χ^2/NDF: 136.7/84

- sign 48.124+/-39.417 χ^2/NDF: 42.5/42



Right In: 363.247+/-0.099 χ^2/NDF: 1186315.4/16

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 388.651+/-0.102 χ^2/NDF: 1183983.2/19

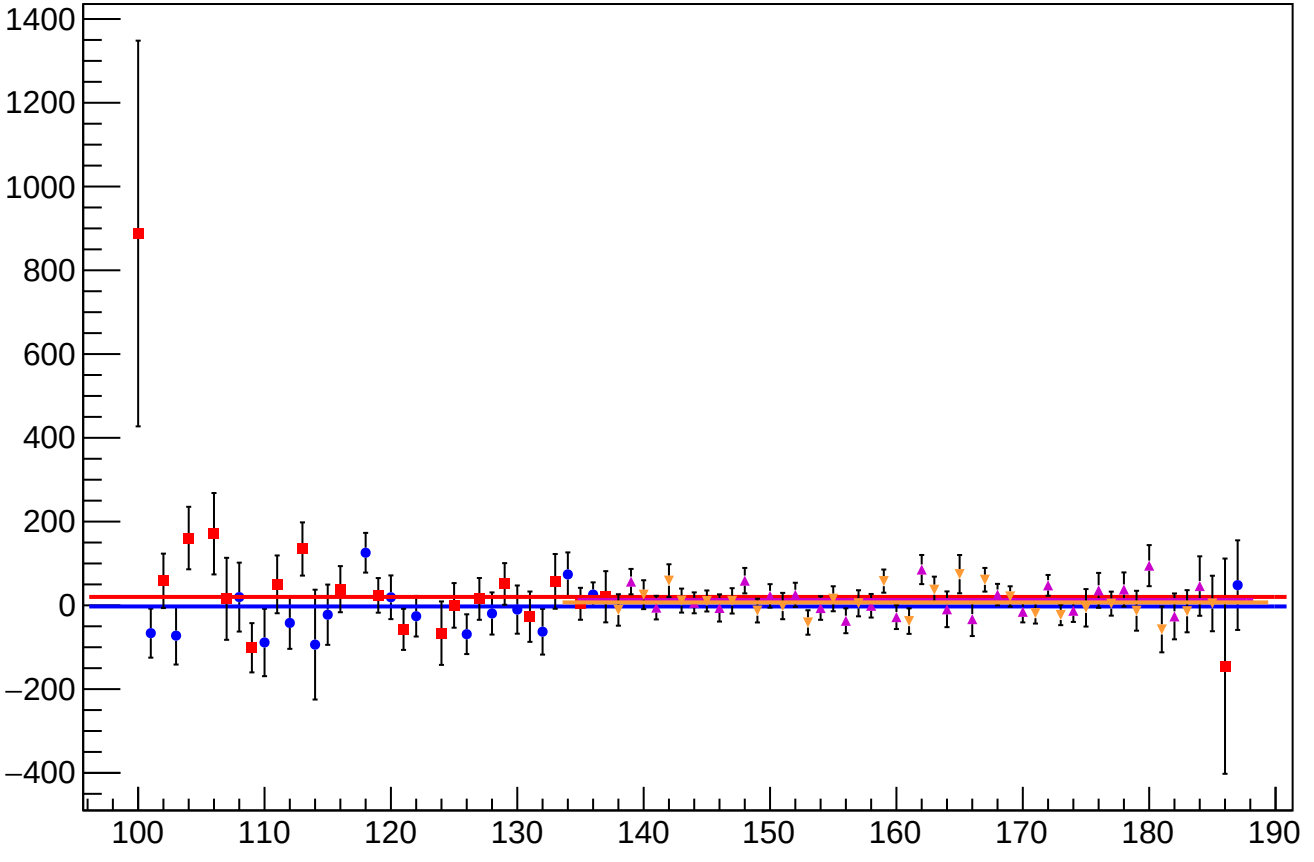
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 185.834+/-0.027 χ^2/NDF: 6196877.4/41

All: 186.733+/-0.019 χ^2/NDF: 12988227.2/84

- sign 187.684+/-0.028 χ^2/NDF: 6789083.2/42

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -2.627+/-13.289 χ^2/NDF: 18.7/16

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 20.114+/-13.456 χ^2/NDF: 23.6/19

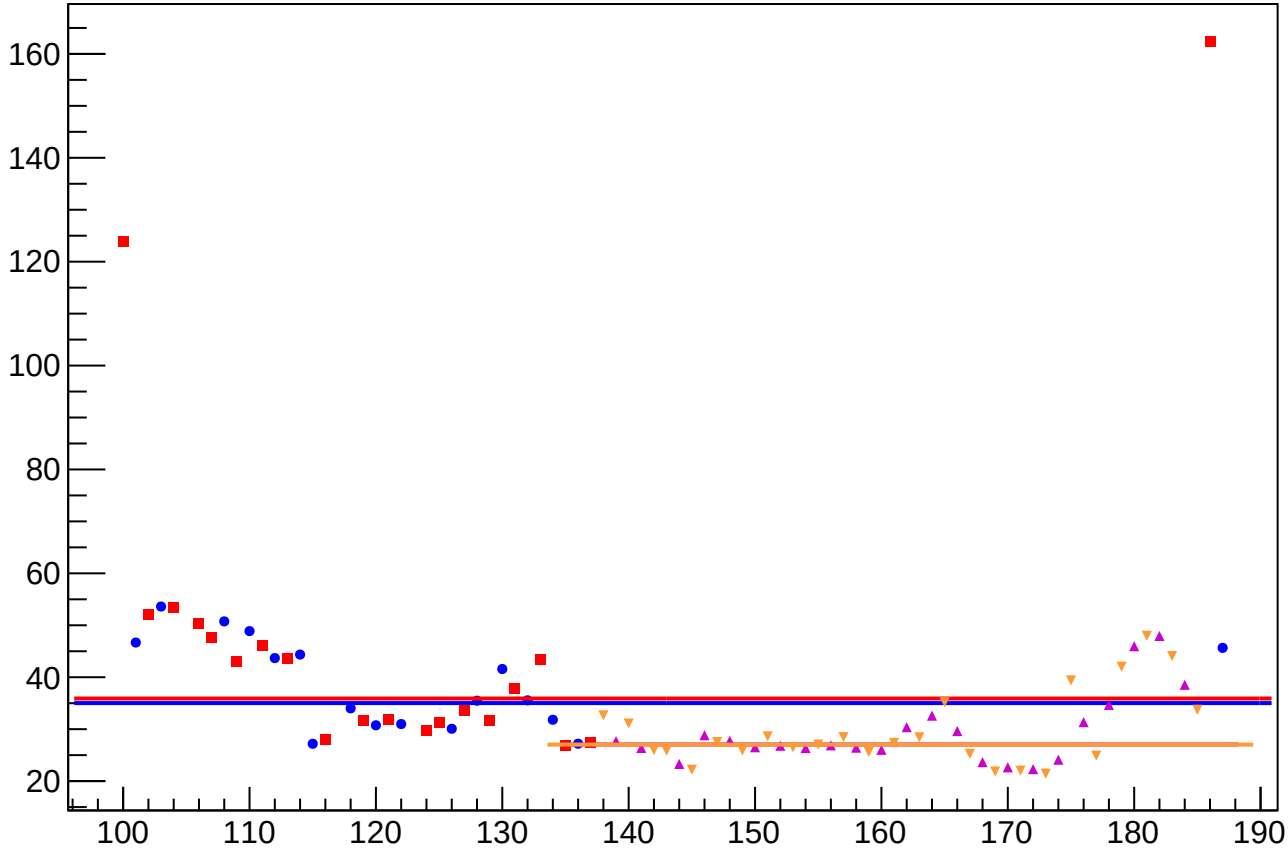
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 5.283+/-5.717 χ^2/NDF: 41.9/41

All: 9.583+/-4.093 χ^2/NDF: 92.4/84

- sign 14.105+/-5.863 χ^2/NDF: 49.4/42

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.017+/-0.009 χ^2/NDF: 678163.4/16

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

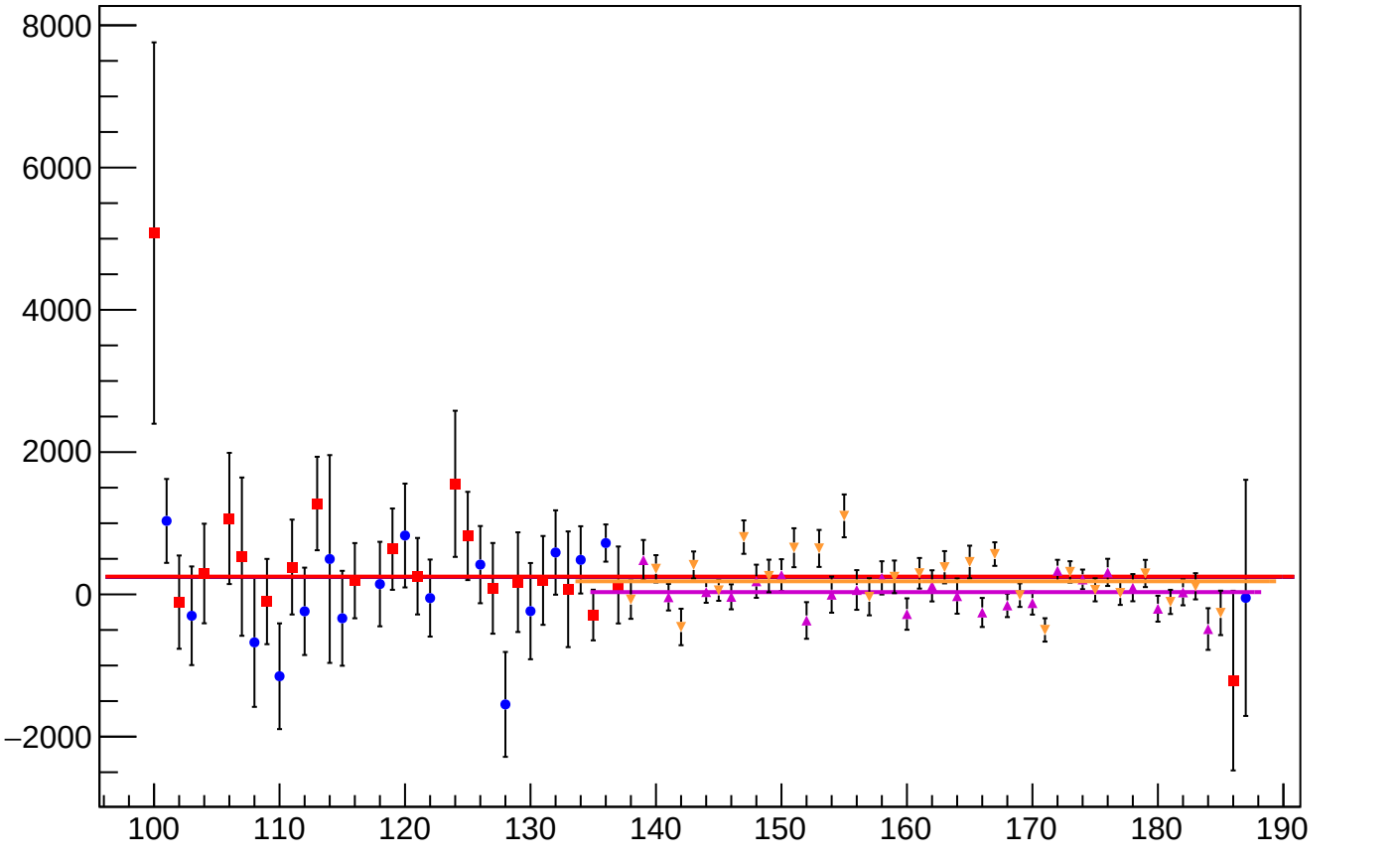
Right Out: 35.900+/-0.010 χ^2/NDF: 1265619.5/19

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 28.505+/-0.004 χ^2/NDF: 2697941.1/41

All: 28.616+/-0.003 χ^2/NDF: 5710033.2/84

- sign 28.732+/-0.004 χ^2/NDF: 3010563.2/42



Right In: 244.410+/-139.776 χ^2/NDF: 19.8/16

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

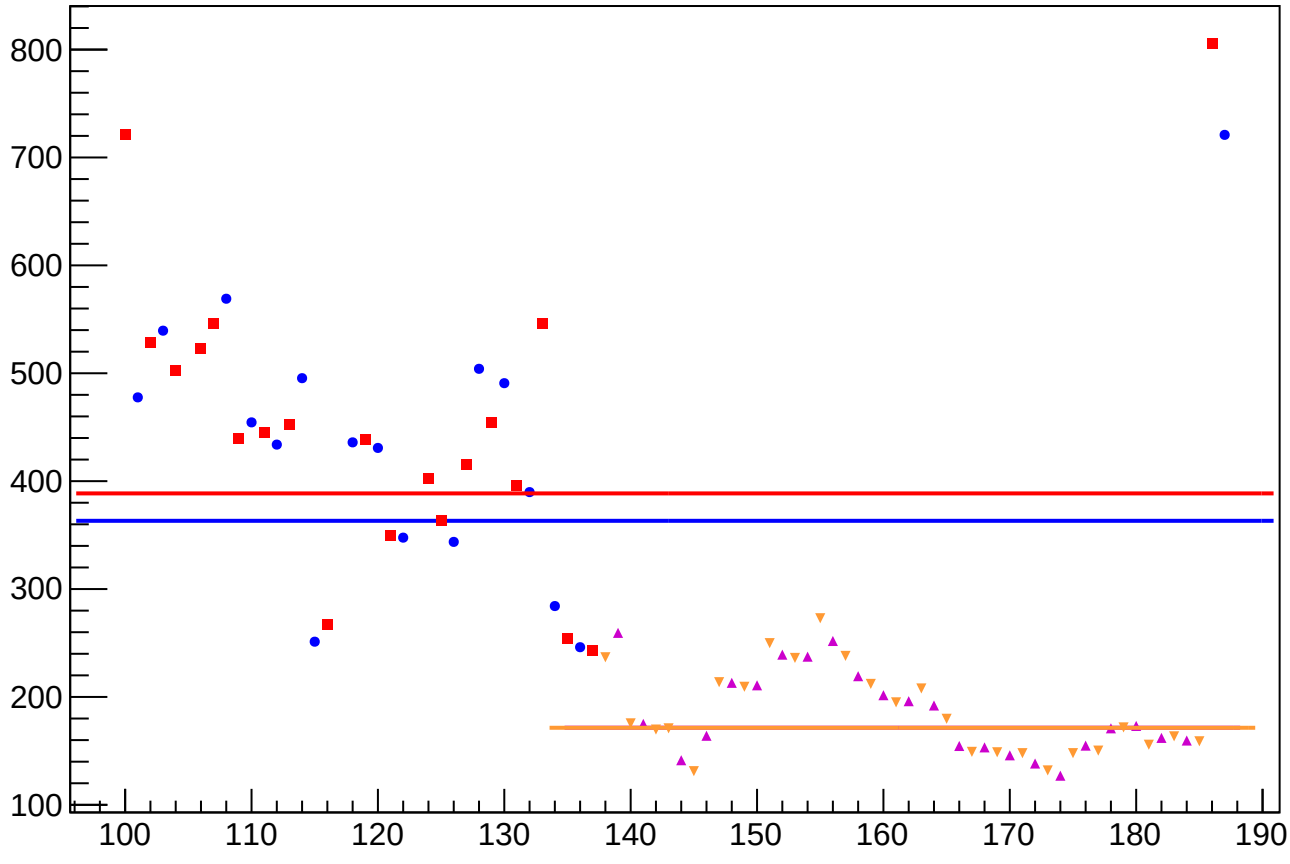
Right Out: 249.561+/-144.343 χ^2/NDF: 14.0/19

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 189.161+/-38.307 χ^2/NDF: 87.6/41

All: 120.657+/-27.471 χ^2/NDF: 136.7/84

- sign 48.124+/-39.417 χ^2/NDF: 42.5/42



Right In: 363.246+/-0.099 χ^2/NDF: 1186307.6/16

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 388.650+/-0.102 χ^2/NDF: 1183980.8/19

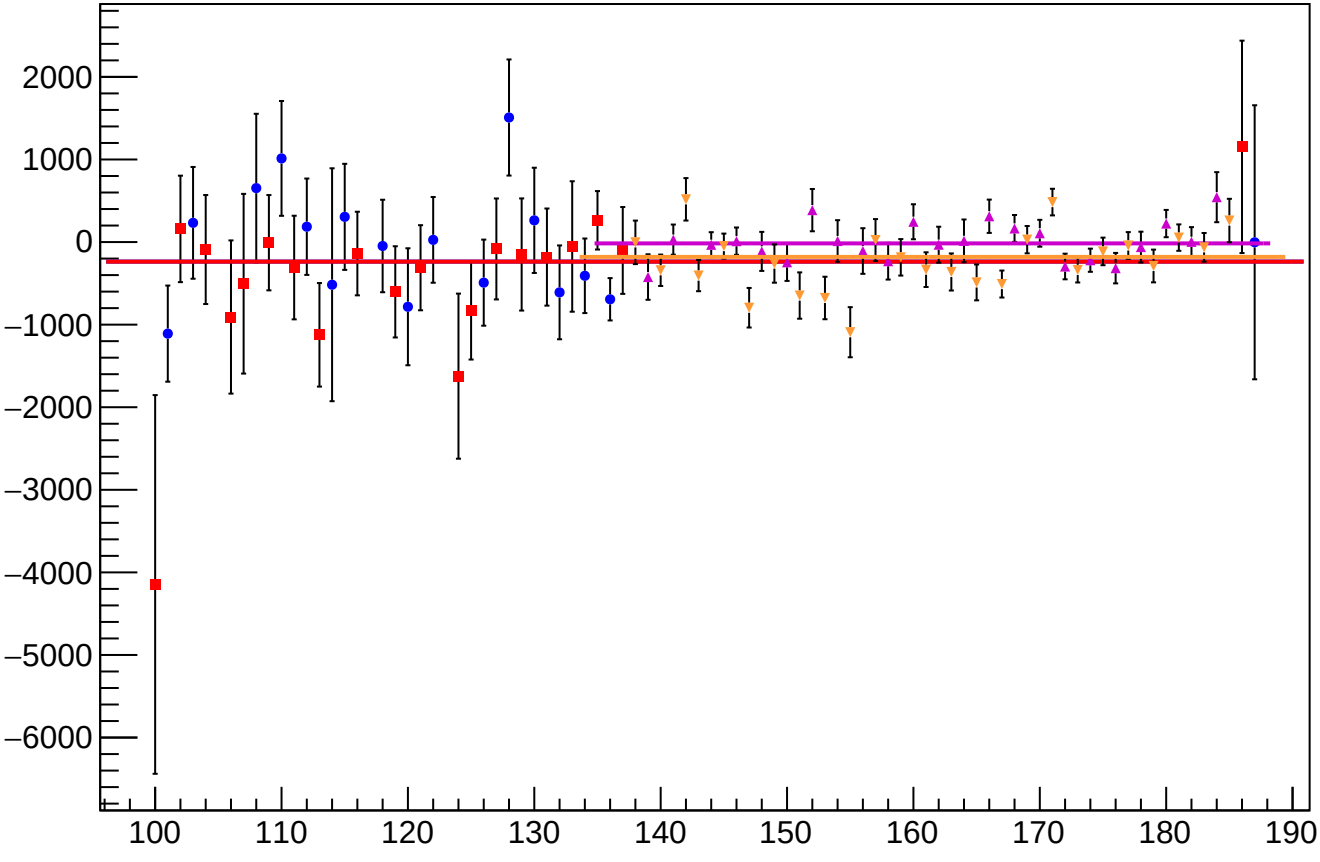
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 185.833+/-0.027 χ^2/NDF: 6196893.3/41

All: 186.732+/-0.019 χ^2/NDF: 12988263.7/84

- sign 187.684+/-0.028 χ^2/NDF: 6789104.0/42

asym_sam_1357_2468_dd_mean vs Slug



Right In: -236.487+/-134.901 χ^2/NDF: 20.0/16

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -236.877+/-139.584 χ^2/NDF: 12.9/19

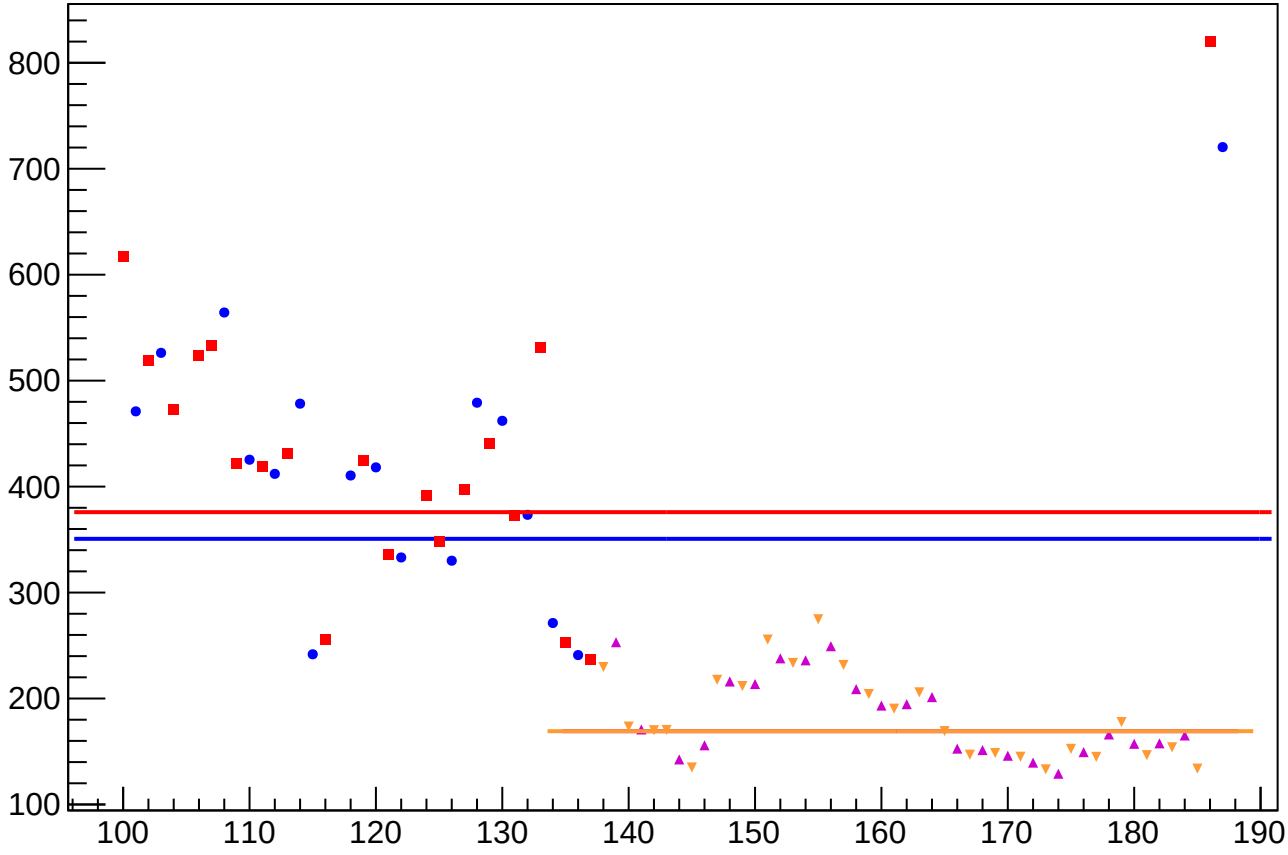
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -184.115+/-37.788 χ^2/NDF: 87.2/41

All: -110.622+/-27.072 χ^2/NDF: 136.8/84

- sign -33.122+/-38.804 χ^2/NDF: 41.8/42

asym_sam_1357_2468_dd_rms vs Slug



Right In: 350.713+/-0.095 χ^2/NDF: 1156784.5/16

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

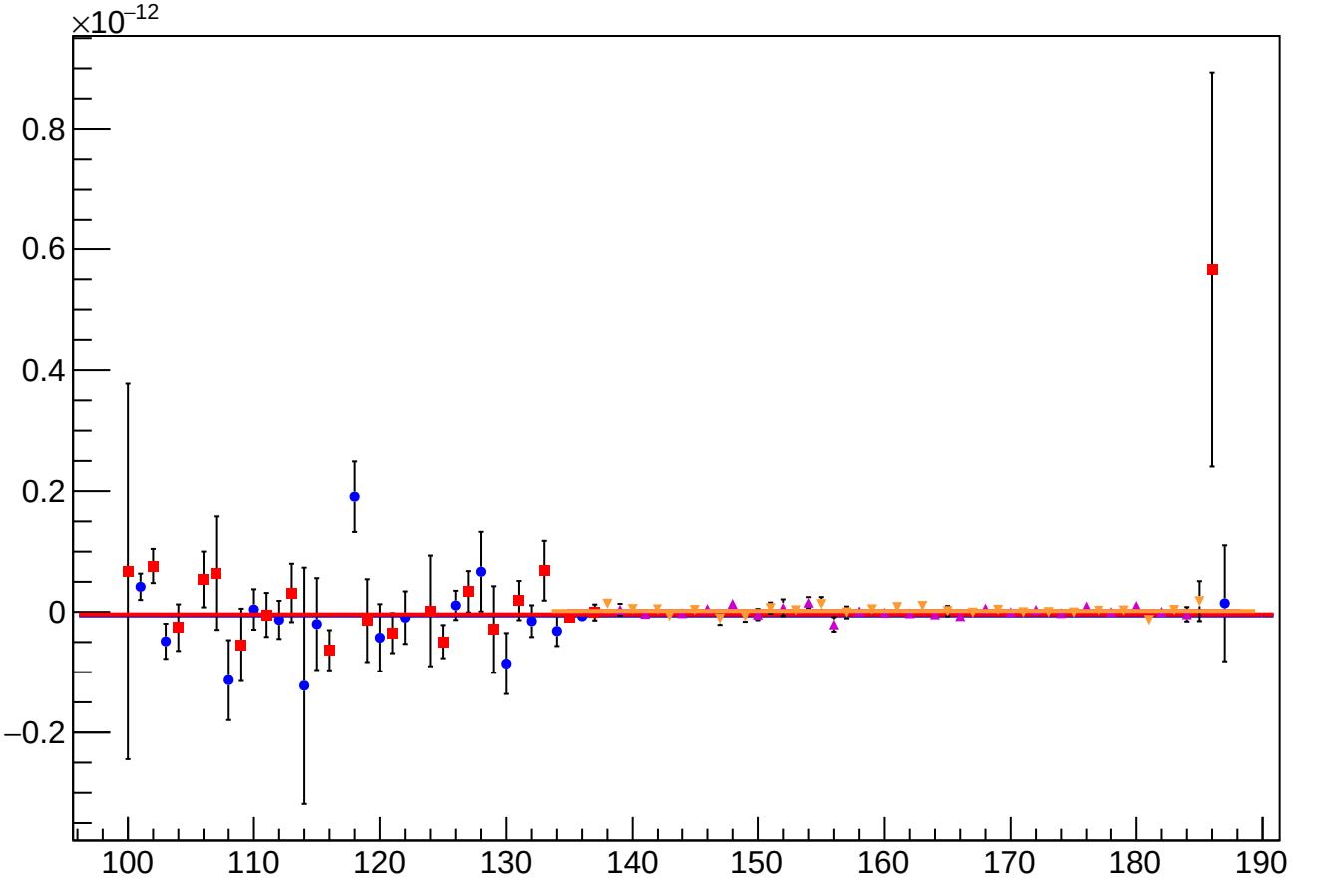
Right Out: 375.880+/-0.099 χ^2/NDF: 1159264.2/19

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 183.425+/-0.027 χ^2/NDF: 6041986.1/41

All: 184.270+/-0.019 χ^2/NDF: 12624222.3/84

- sign 185.161+/-0.027 χ^2/NDF: 6580183.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

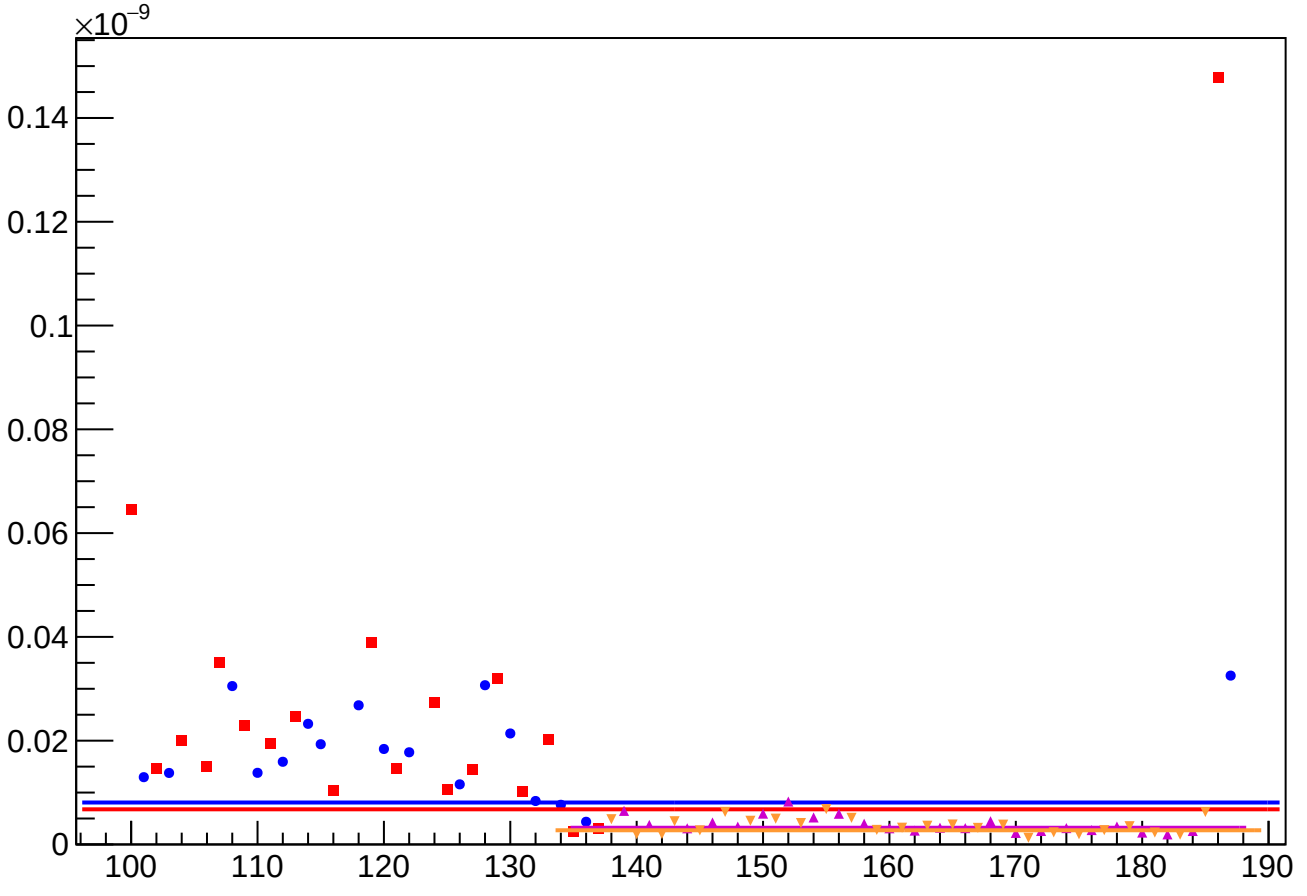
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/19

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/41

All: 0.000+/-0.000 χ^2/NDF: 94.4/84

- sign 0.000+/-0.000 χ^2/NDF: 46.6/42



Right In: 0.000+/-0.000 χ^2/NDF: 2079442.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

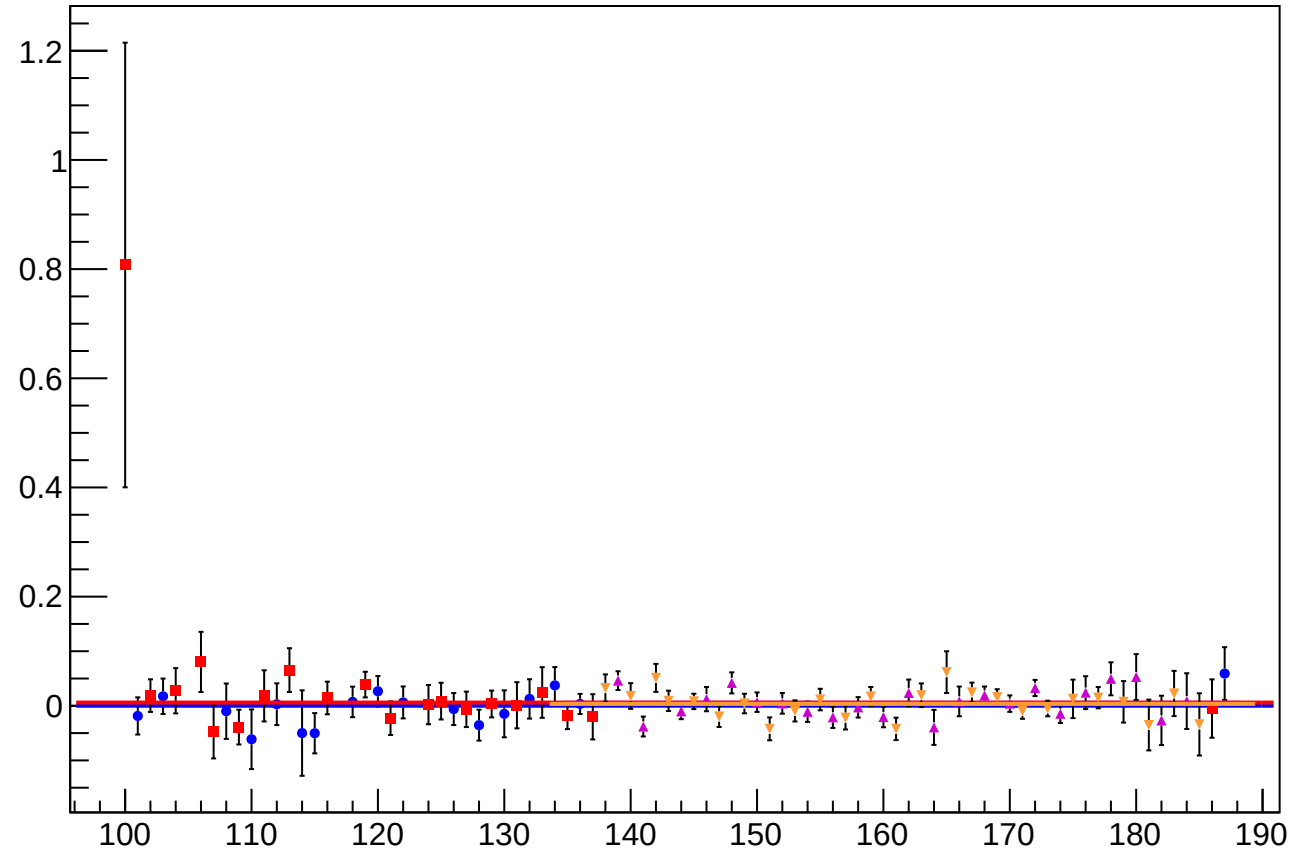
Right Out: 0.000+/-0.000 χ^2/NDF: 3753780.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 5705729.2/41

All: 0.000+/-0.000 χ^2/NDF: 11730552.5/84

- sign 0.000+/-0.000 χ^2/NDF: 5882111.1/42



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

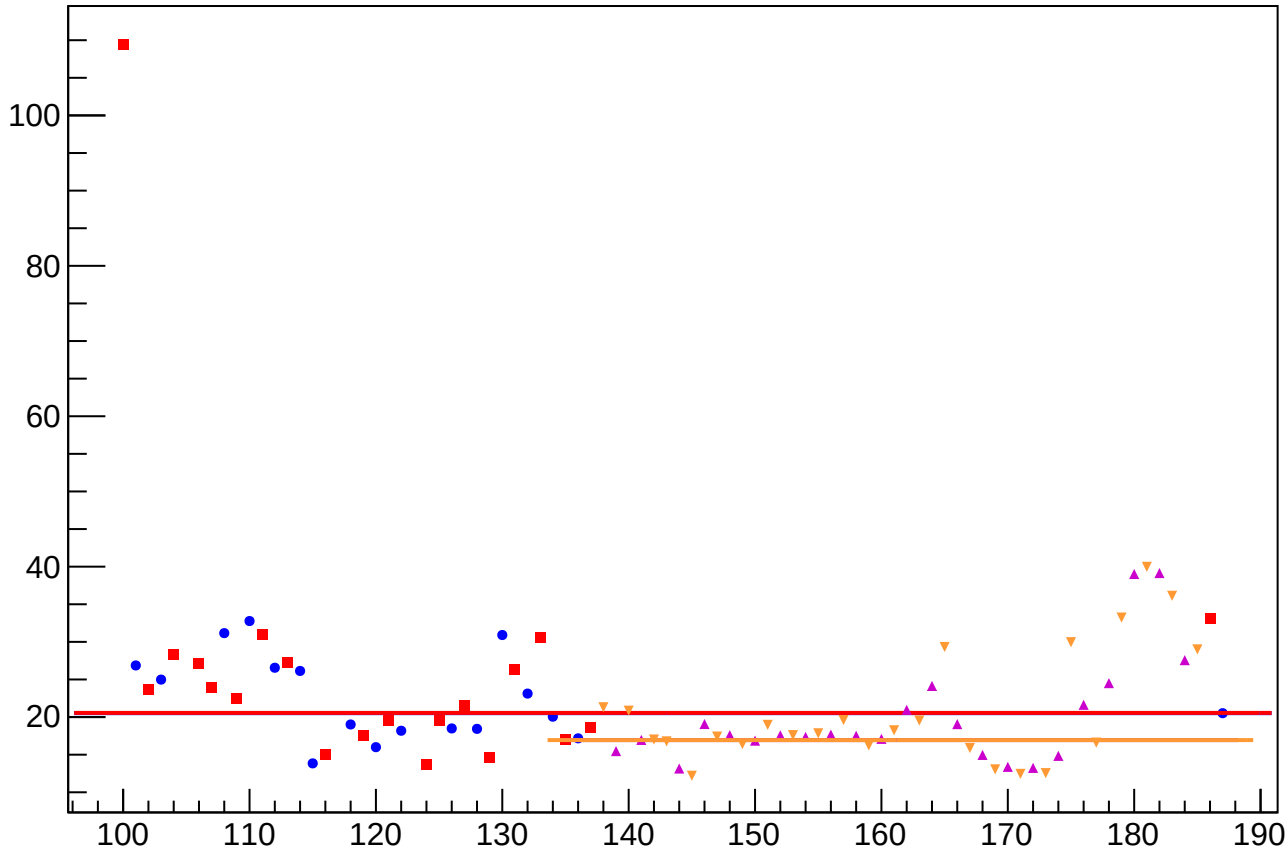
Right Out: 0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 36.9/41

All: 0.004+/-0.003 χ^2/NDF: 86.7/84

- sign 0.006+/-0.004 χ^2/NDF: 49.5/42



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

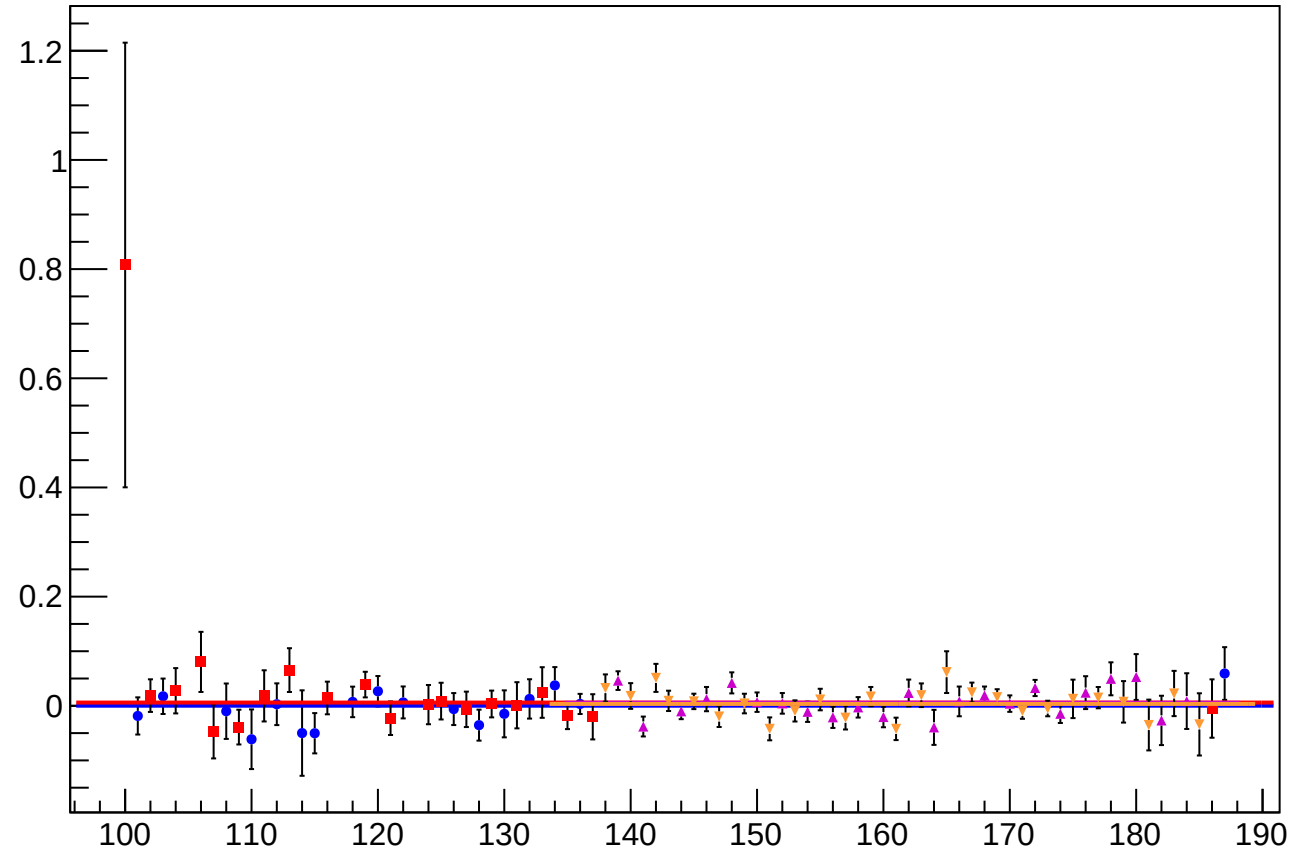
Right Out: 20.555+/-0.006 χ^2/NDF: 977247.7/19

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.689+/-0.003 χ^2/NDF: 3863994.9/41

All: 17.720+/-0.002 χ^2/NDF: 7116222.5/84

- sign 17.752+/-0.003 χ^2/NDF: 3251928.5/42



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

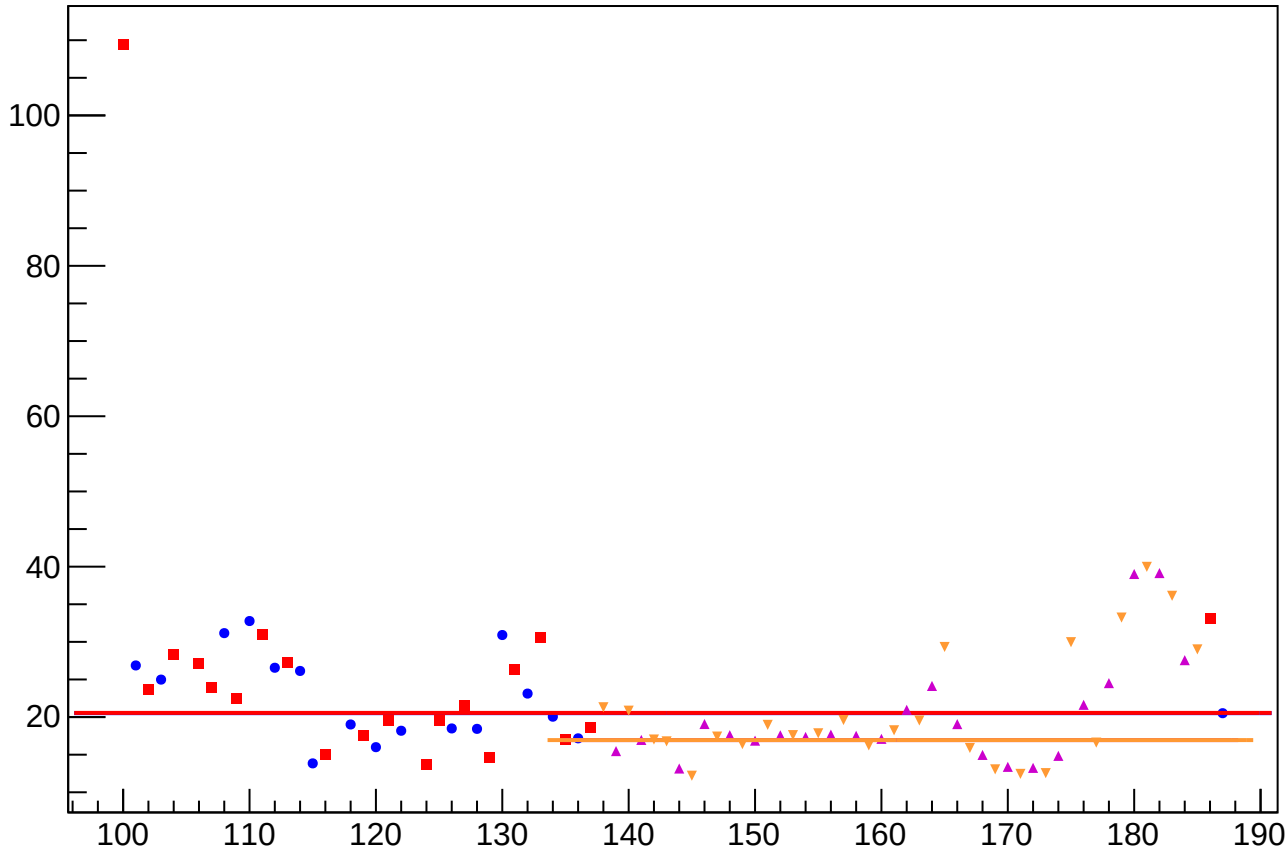
Right Out: 0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 36.9/41

All: 0.004+/-0.003 χ^2/NDF: 86.7/84

- sign 0.006+/-0.004 χ^2/NDF: 49.5/42



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

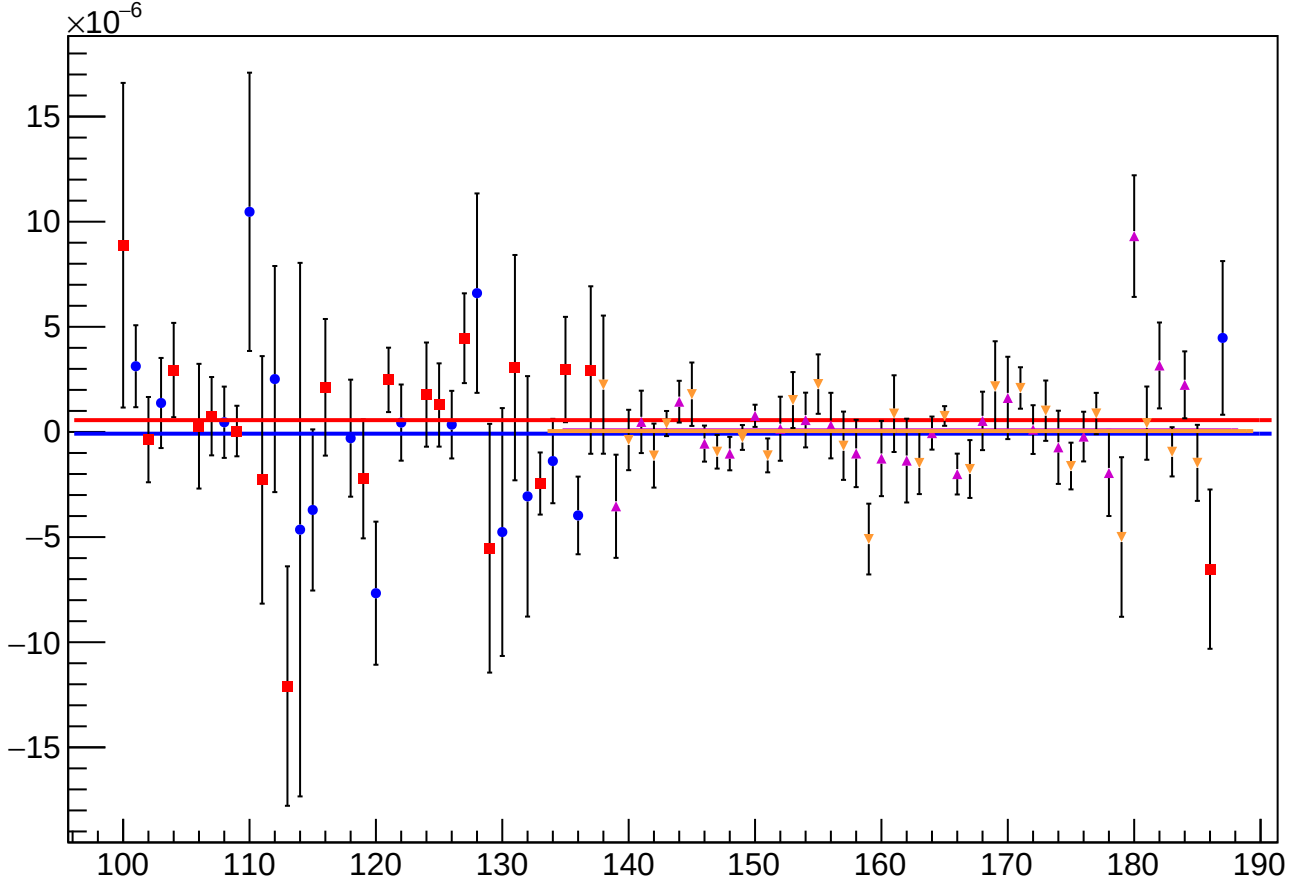
Right Out: 20.555+/-0.006 χ^2/NDF: 977247.7/19

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.689+/-0.003 χ^2/NDF: 3863994.9/41

All: 17.720+/-0.002 χ^2/NDF: 7116222.5/84

- sign 17.752+/-0.003 χ^2/NDF: 3251928.5/42



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

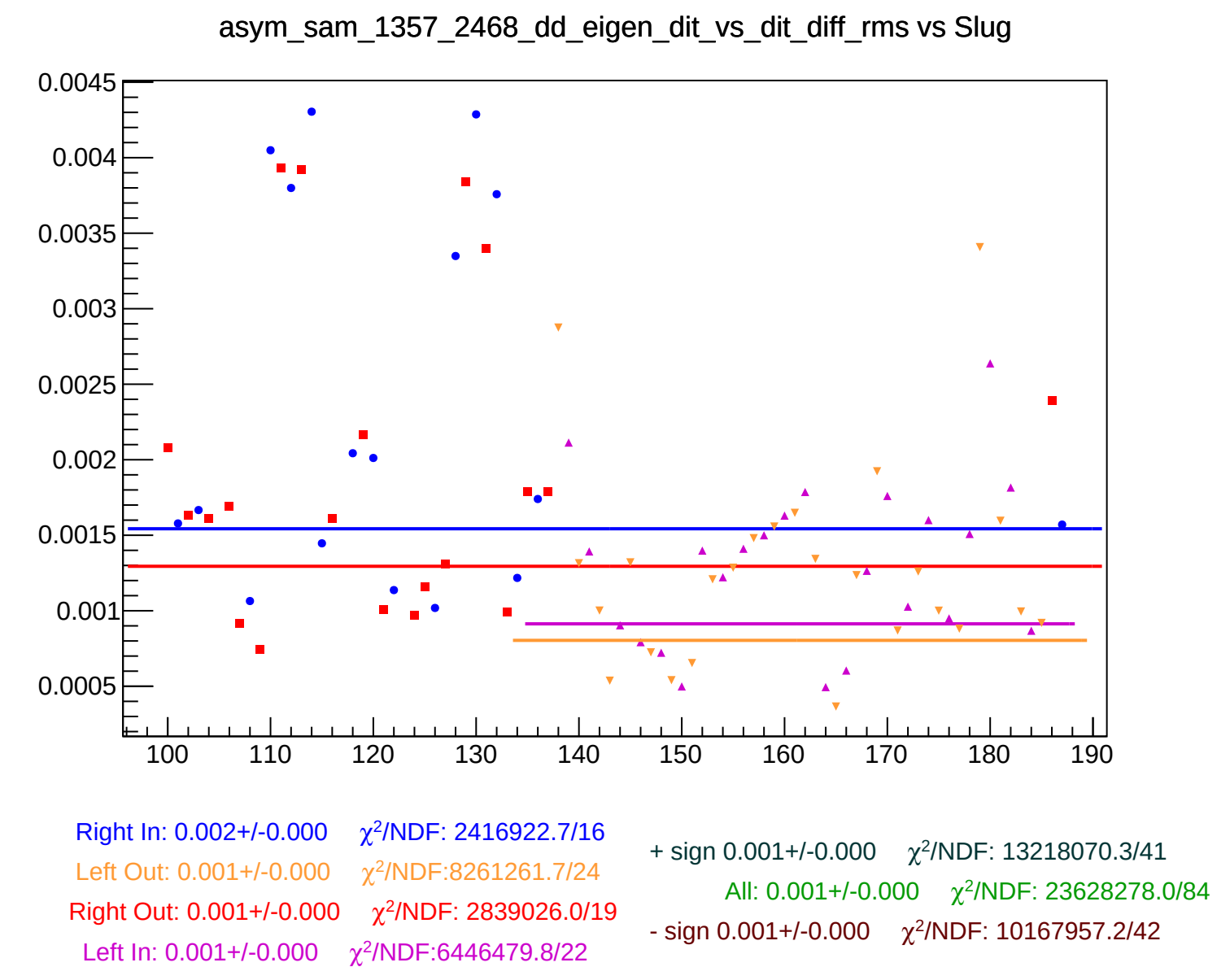
Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/19

Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

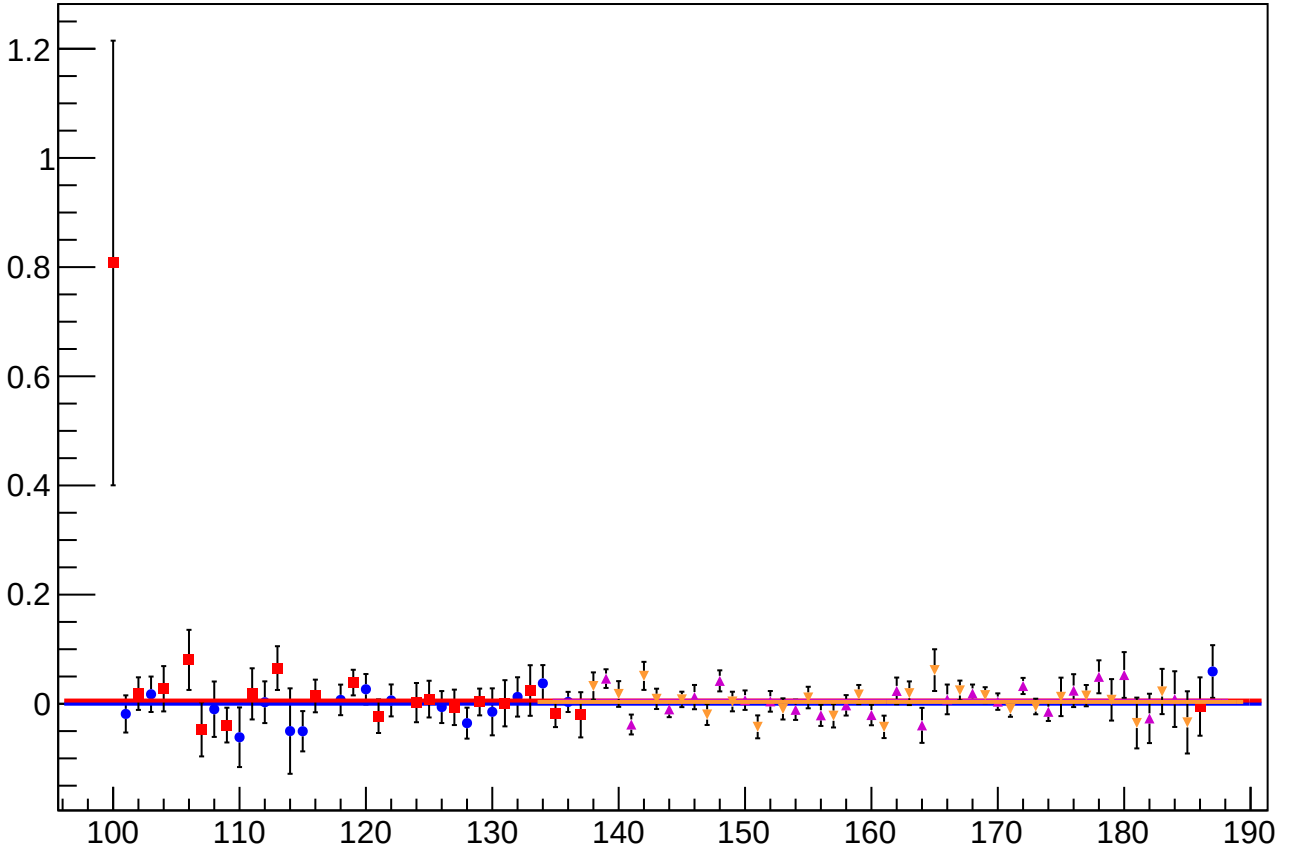
+ sign 0.000+/-0.000 χ^2/NDF: 58.7/41

All: 0.000+/-0.000 χ^2/NDF: 115.2/84

- sign 0.000+/-0.000 χ^2/NDF: 56.2/42


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 2416922.7/16
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 2839026.0/19
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 13218070.3/41
All: 0.001+/-0.000 χ²/NDF: 23628278.0/84
- sign 0.001+/-0.000 χ²/NDF: 10167957.2/42

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

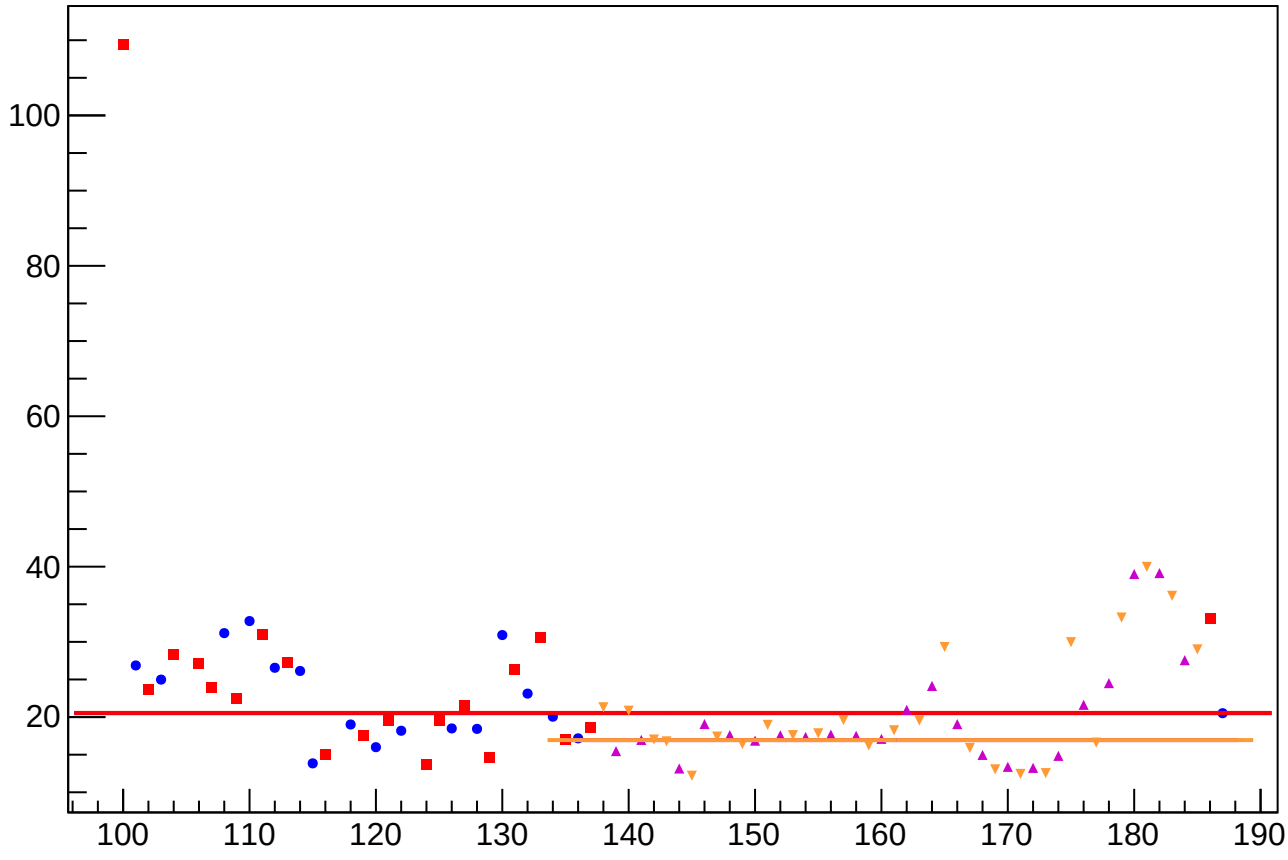
Right Out: 0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 36.9/41

All: 0.004+/-0.003 χ^2/NDF: 86.7/84

- sign 0.006+/-0.004 χ^2/NDF: 49.5/42



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.554+/-0.006 χ^2/NDF: 977272.2/19

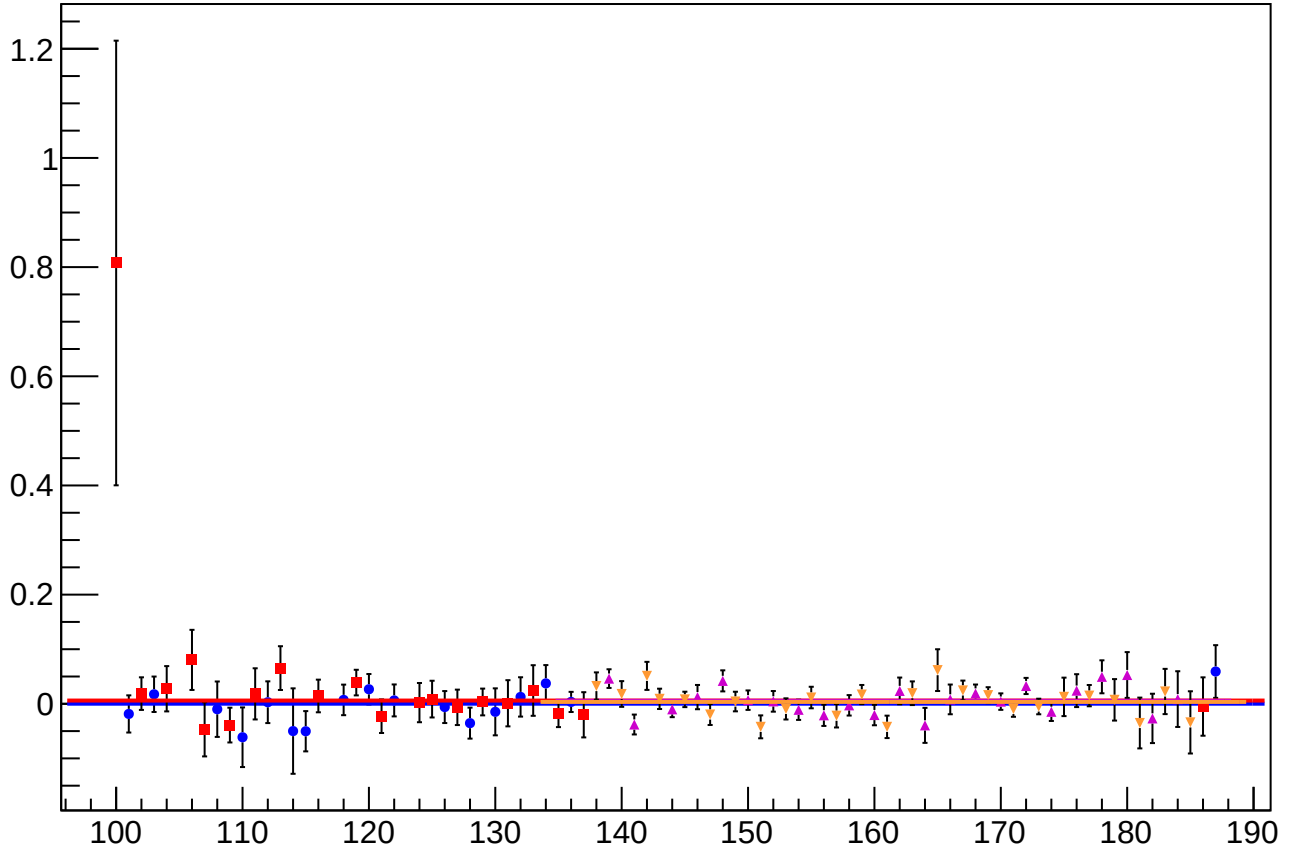
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.689+/-0.003 χ^2/NDF: 3863741.9/41

All: 17.720+/-0.002 χ^2/NDF: 7115843.9/84

\- sign 17.752+/-0.003 χ^2/NDF: 3251803.8/42

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

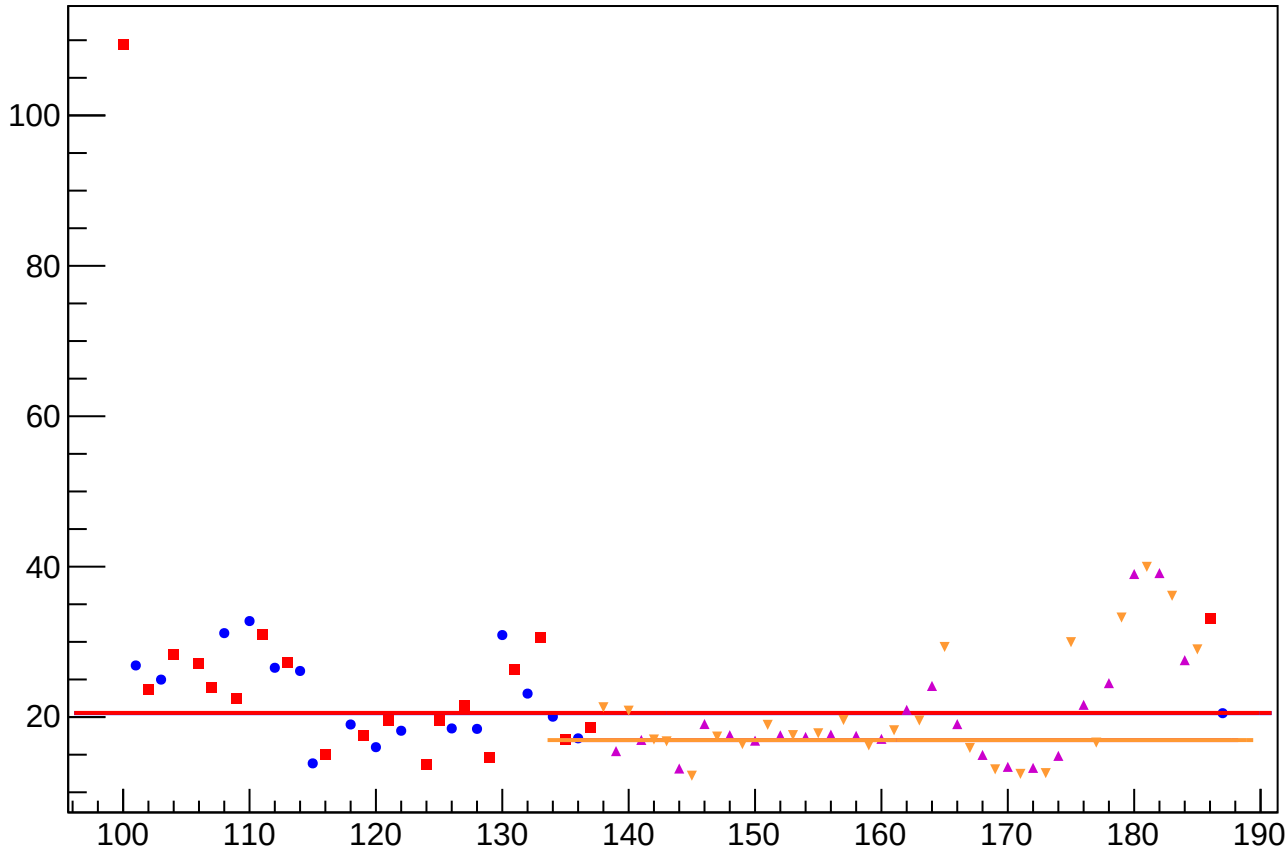
Right Out: 0.006+/-0.008 χ^2/NDF: 16.3/19

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.004 χ^2/NDF: 36.9/41

All: 0.004+/-0.003 χ^2/NDF: 86.7/84

- sign 0.006+/-0.004 χ^2/NDF: 49.5/42



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

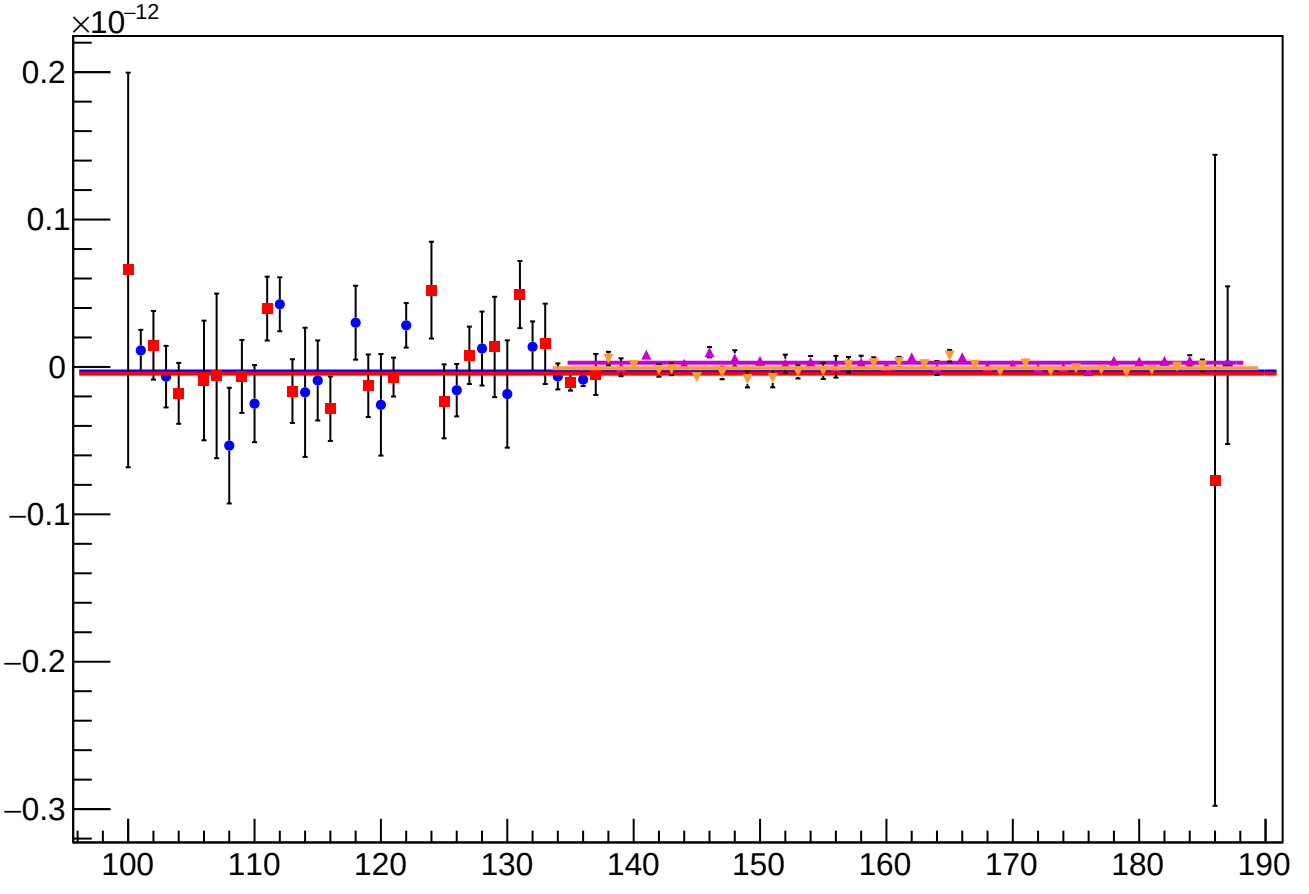
Right Out: 20.554+/-0.006 χ^2/NDF: 977272.2/19

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.689+/-0.003 χ^2/NDF: 3863741.9/41

All: 17.720+/-0.002 χ^2/NDF: 7115843.9/84

- sign 17.752+/-0.003 χ^2/NDF: 3251803.8/42



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

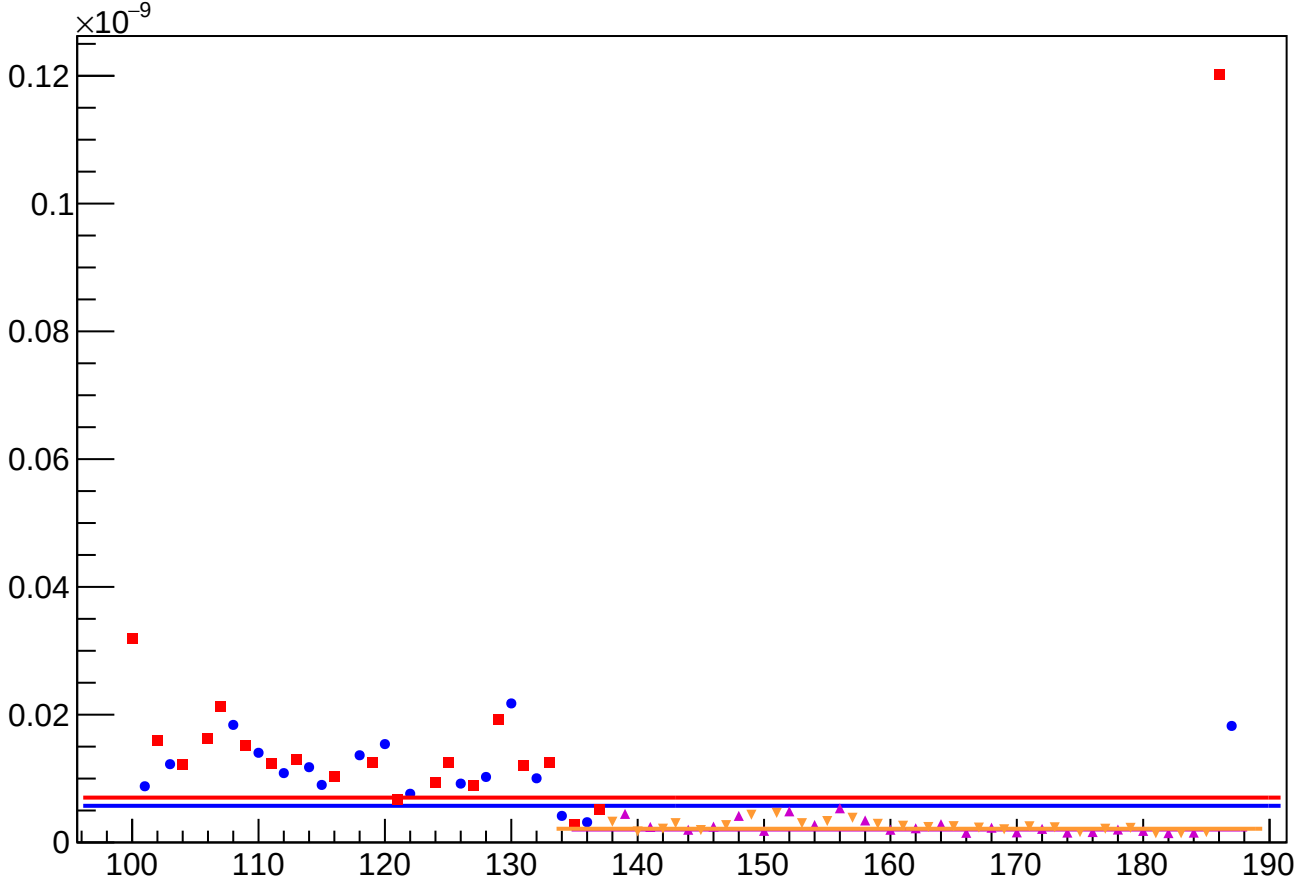
Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.0/41

All: 0.000+/-0.000 χ^2/NDF: 106.2/84

- sign 0.000+/-0.000 χ^2/NDF: 45.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 2815649.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3632919.0/19

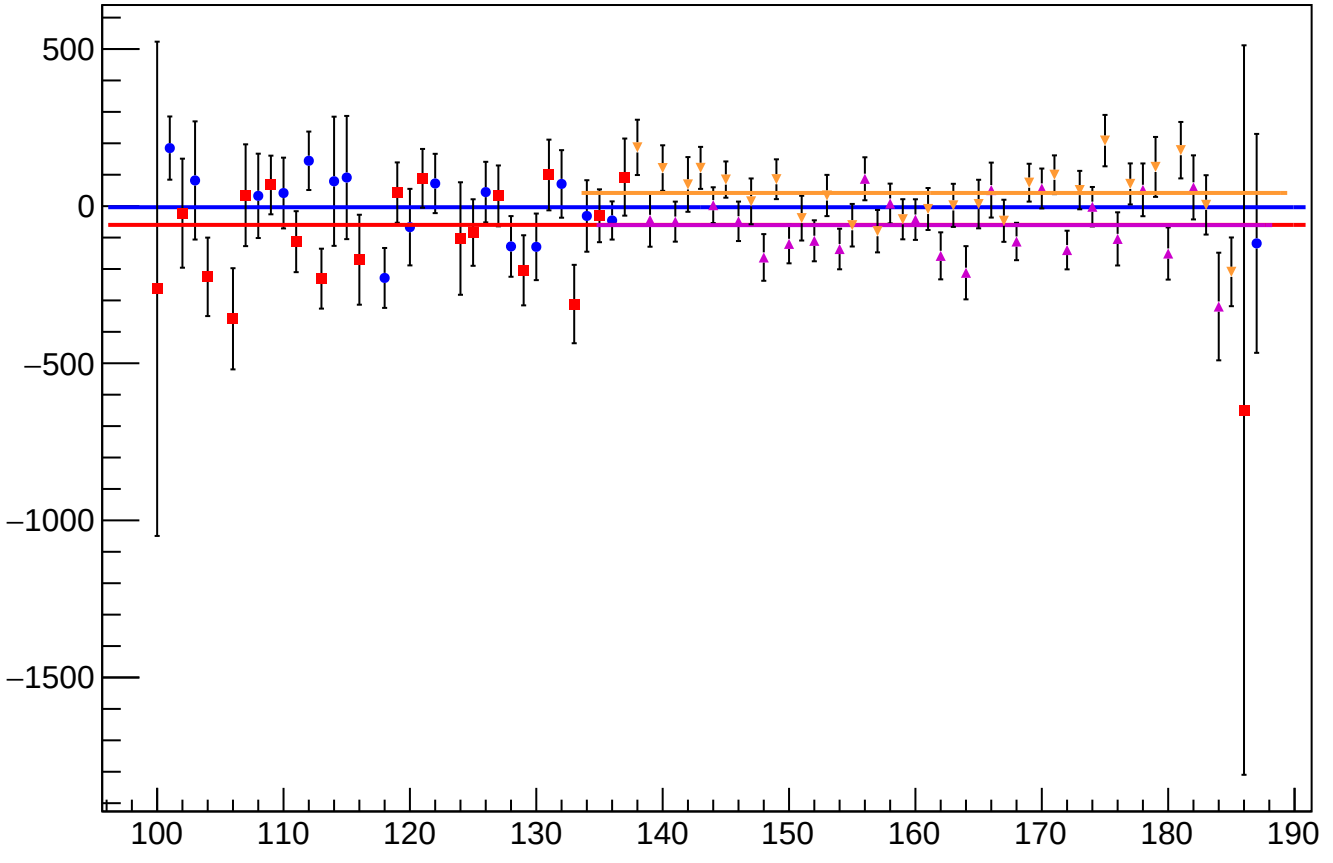
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7349545.7/41

All: 0.000+/-0.000 χ^2/NDF: 16658552.0/84

- sign 0.000+/-0.000 χ^2/NDF: 9268306.5/42

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -3.418+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -59.653+/-26.376 χ^2/NDF: 26.0/19

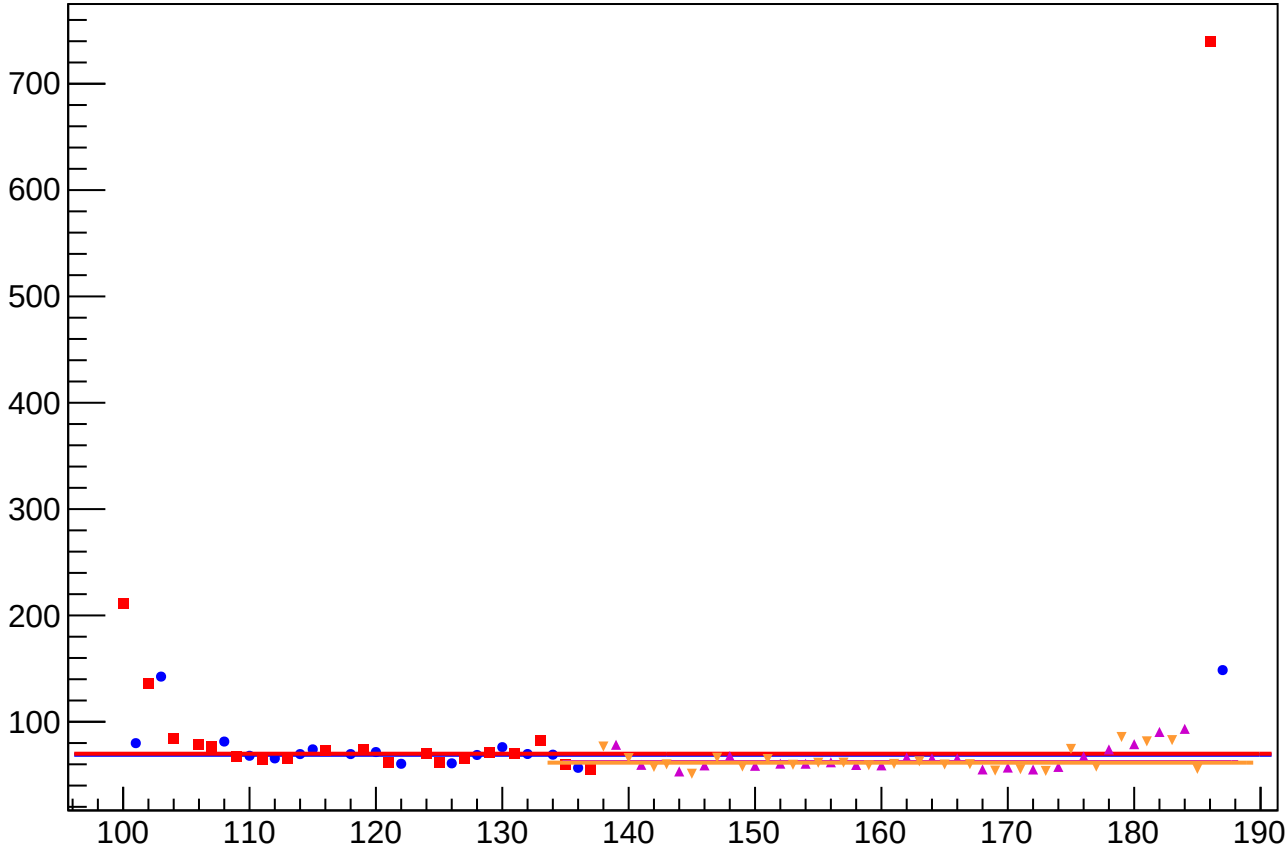
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.681+/-12.465 χ^2/NDF: 52.2/41

All: -12.866+/-8.947 χ^2/NDF: 136.7/84

- sign -60.205+/-12.850 χ^2/NDF: 58.2/42

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 68.950+/-0.018 χ^2/NDF: 577017.6/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

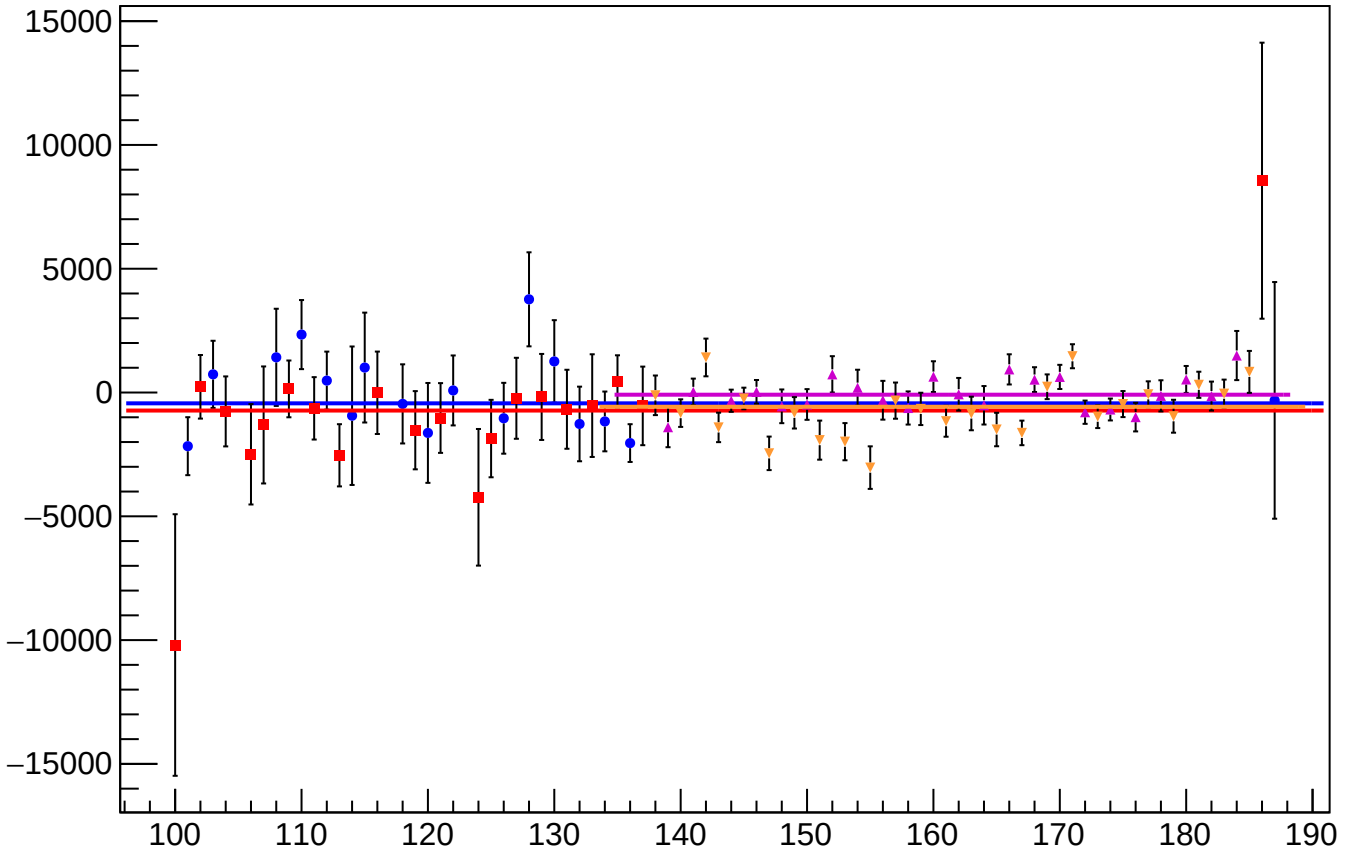
Right Out: 69.966+/-0.019 χ^2/NDF: 1186523.5/19

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.228+/-0.009 χ^2/NDF: 1338878.8/41

All: 63.603+/-0.006 χ^2/NDF: 3260006.3/84

- sign 64.001+/-0.009 χ^2/NDF: 1917401.8/42



Right In: -436.809+/-347.954 χ^2/NDF: 20.6/16

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -728.102+/-352.346 χ^2/NDF: 14.1/19

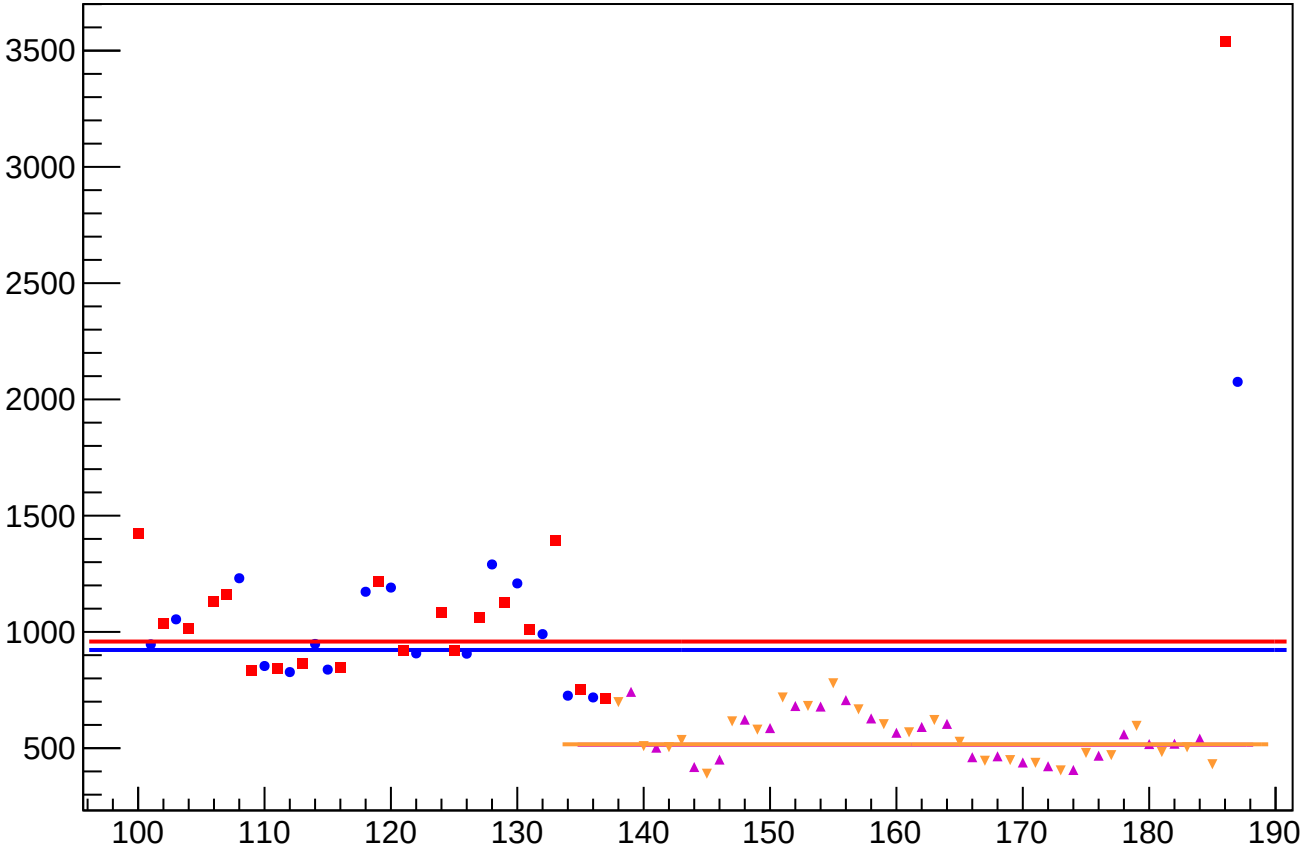
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -560.206+/-113.220 χ^2/NDF: 89.5/41

All: -363.126+/-80.921 χ^2/NDF: 137.3/84

- sign -157.318+/-115.700 χ^2/NDF: 41.6/42

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 922.314+/-0.246 χ^2/NDF: 626161.6/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 958.585+/-0.249 χ^2/NDF: 845424.2/19

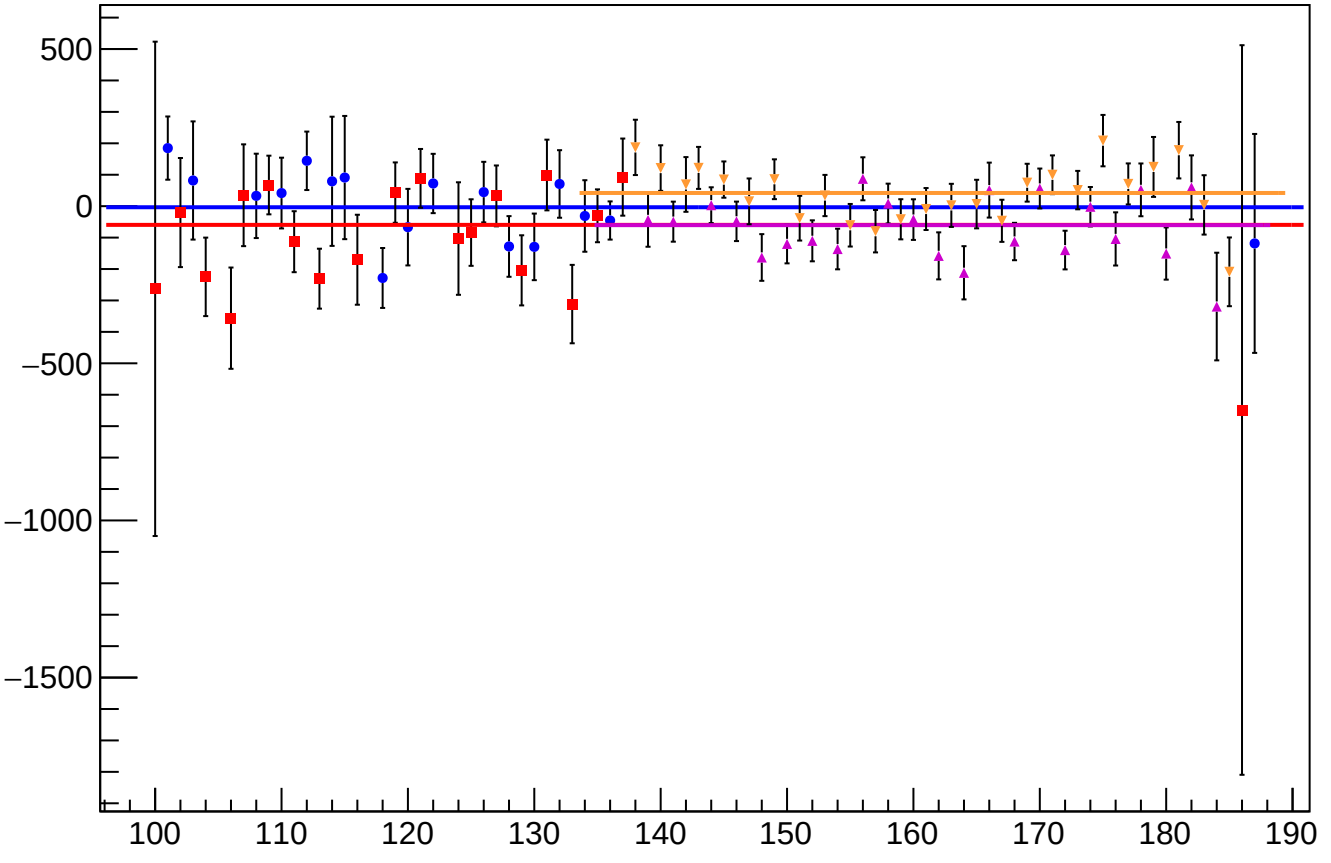
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

\+ sign 559.588+/-0.080 χ^2/NDF: 4322118.7/41

All: 561.078+/-0.057 χ^2/NDF: 9119574.7/84

\- sign 562.635+/-0.082 χ^2/NDF: 4796747.3/42

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.425+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -59.531+/-26.377 χ^2/NDF: 25.9/19

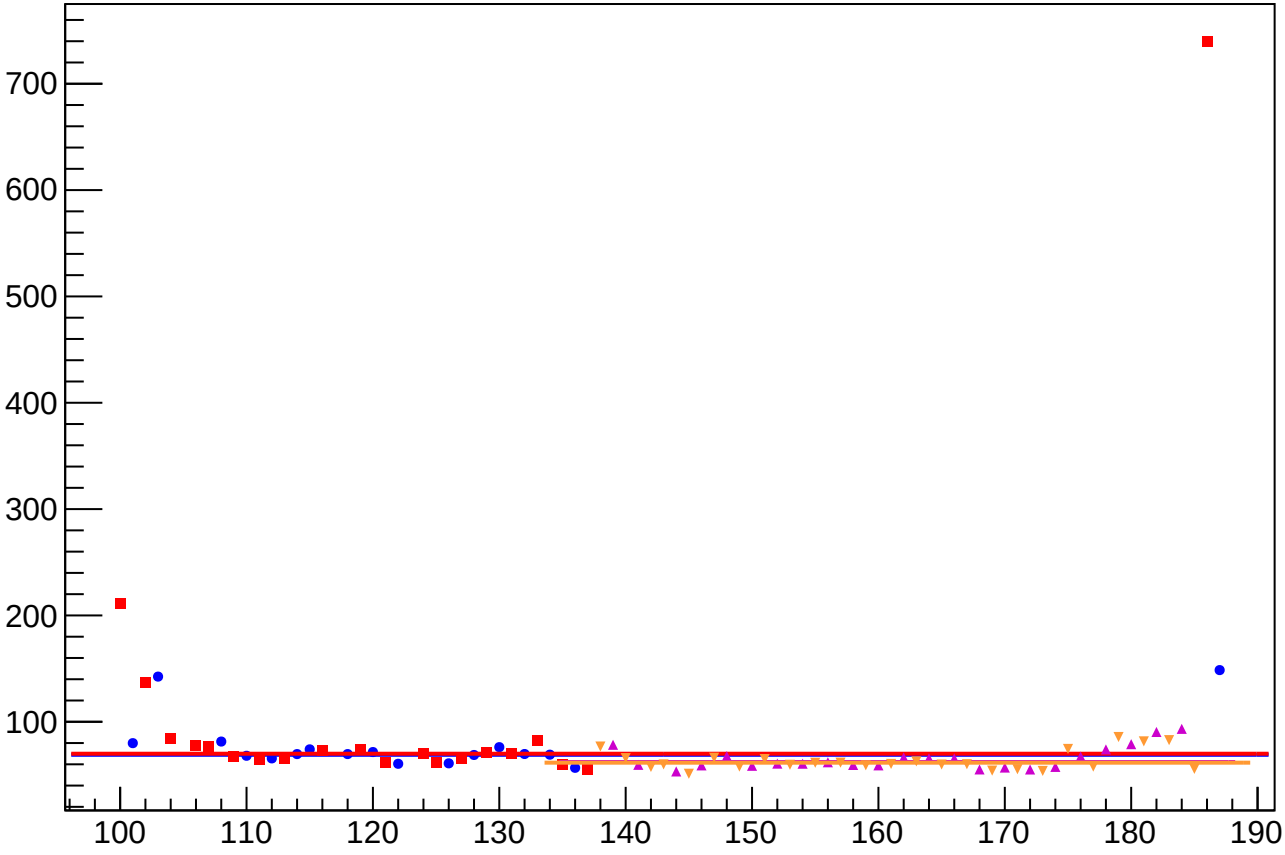
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.684+/-12.465 χ^2/NDF: 52.2/41

All: -12.850+/-8.947 χ^2/NDF: 136.6/84

- sign -60.175+/-12.850 χ^2/NDF: 58.1/42

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.950+/-0.018 χ^2/NDF: 577020.7/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

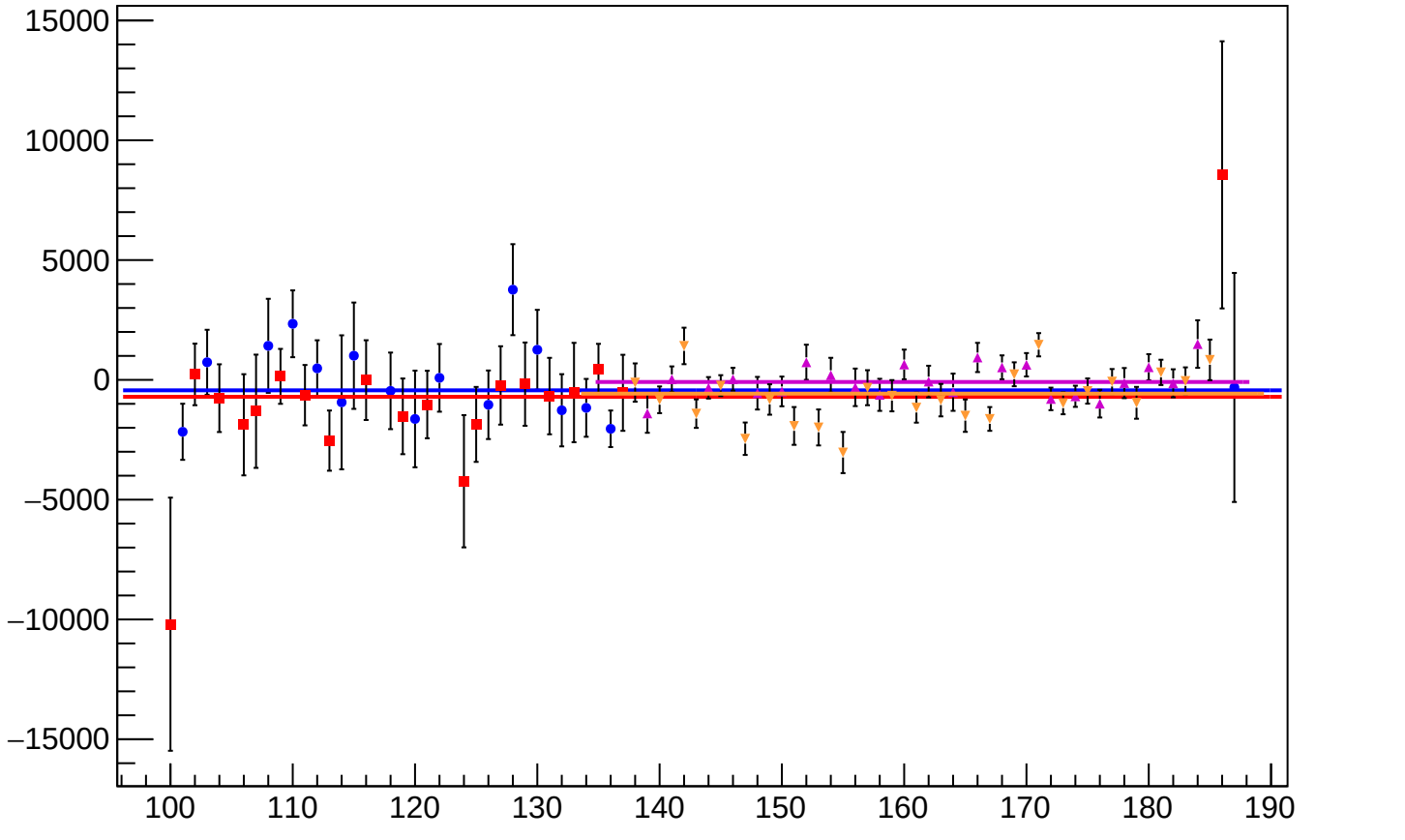
Right Out: 69.946+/-0.019 χ^2/NDF: 1185946.8/19

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.228+/-0.009 χ^2/NDF: 1338881.8/41

All: 63.600+/-0.006 χ^2/NDF: 3258721.1/84

- sign 63.996+/-0.009 χ^2/NDF: 1916158.5/42



Right In: -436.780+/-347.956 χ^2/NDF: 20.6/16

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -707.141+/-352.780 χ^2/NDF: 13.6/19

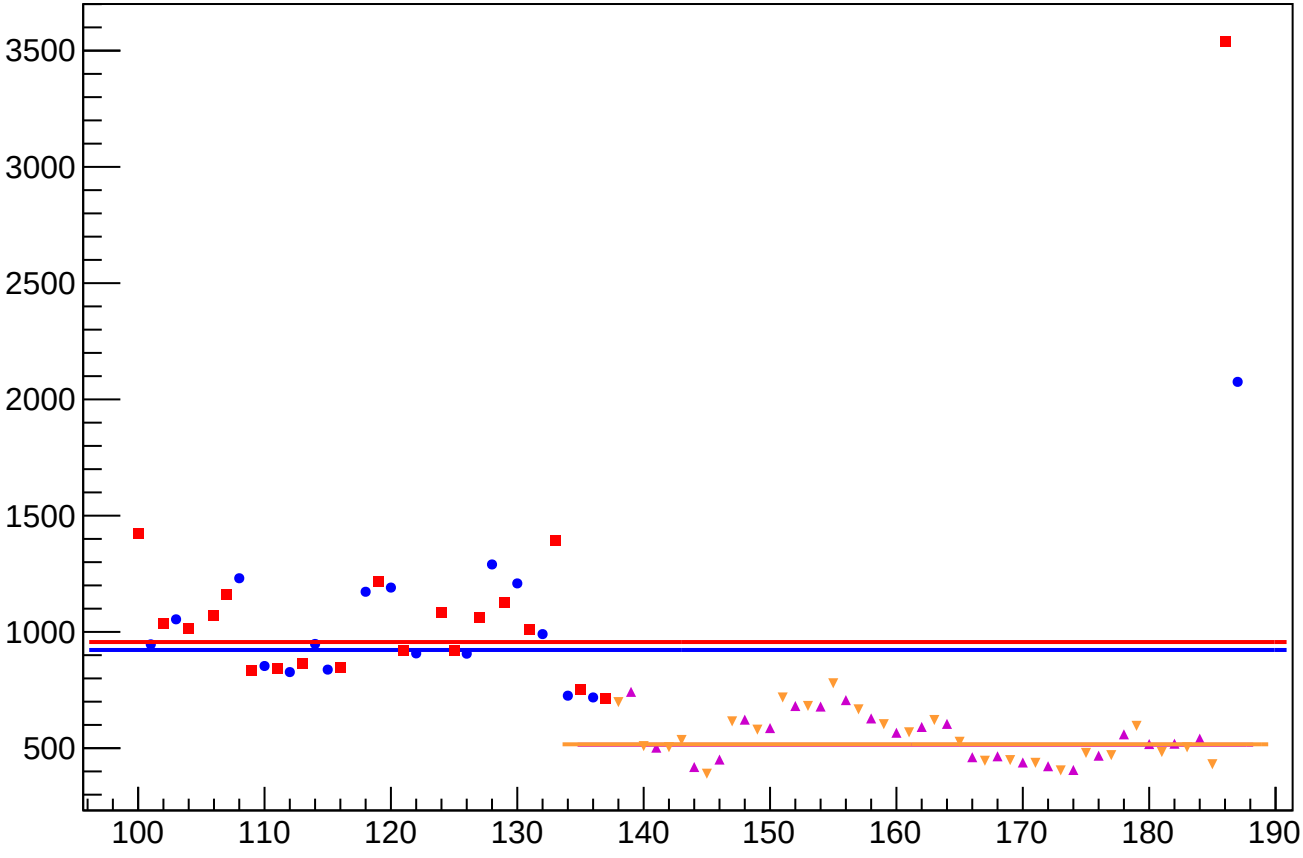
Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -560.197+/-113.220 χ^2/NDF: 89.5/41

All: -361.971+/-80.927 χ^2/NDF: 136.7/84

- sign -154.911+/-115.715 χ^2/NDF: 41.0/42

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 922.318+/-0.246 χ^2/NDF: 626183.5/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 956.476+/-0.249 χ^2/NDF: 836351.0/19

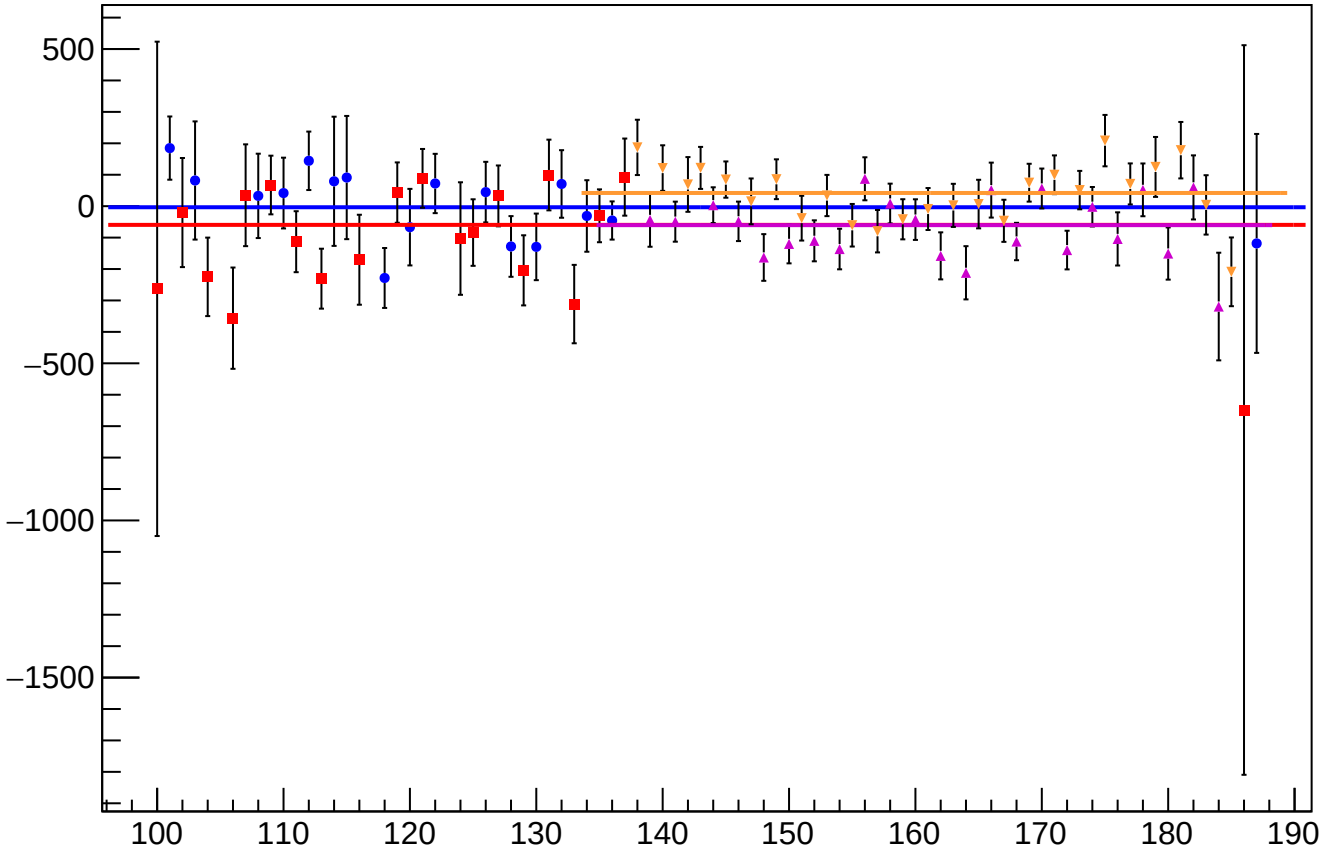
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

\+ sign 559.588+/-0.080 χ^2/NDF: 4322168.1/41

All: 560.916+/-0.057 χ^2/NDF: 9077420.8/84

\- sign 562.304+/-0.082 χ^2/NDF: 4754689.8/42

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -3.425+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -59.531+/-26.377 χ^2/NDF: 25.9/19

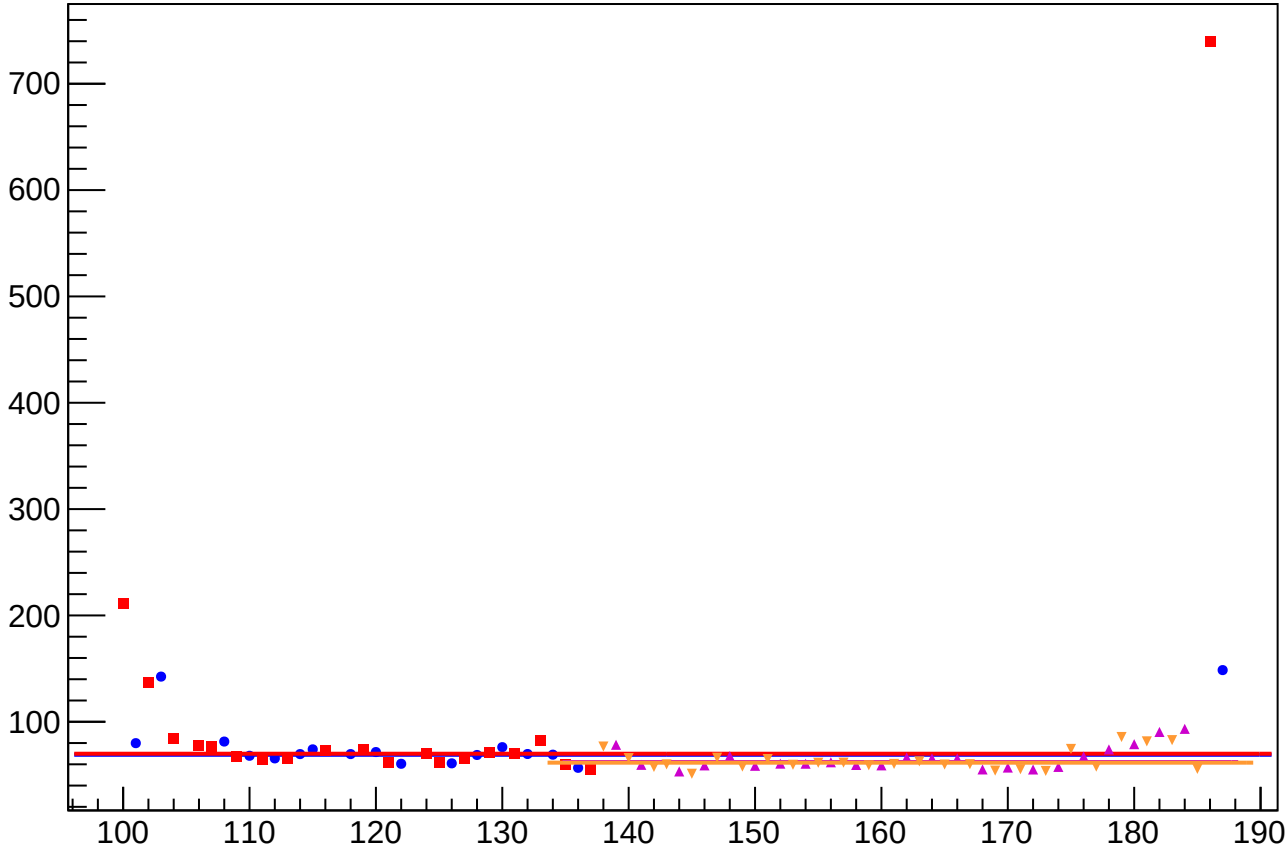
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 31.684+/-12.465 χ^2/NDF: 52.2/41

All: -12.850+/-8.947 χ^2/NDF: 136.6/84

- sign -60.175+/-12.850 χ^2/NDF: 58.1/42

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 68.950+/-0.018 χ^2/NDF: 577020.7/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

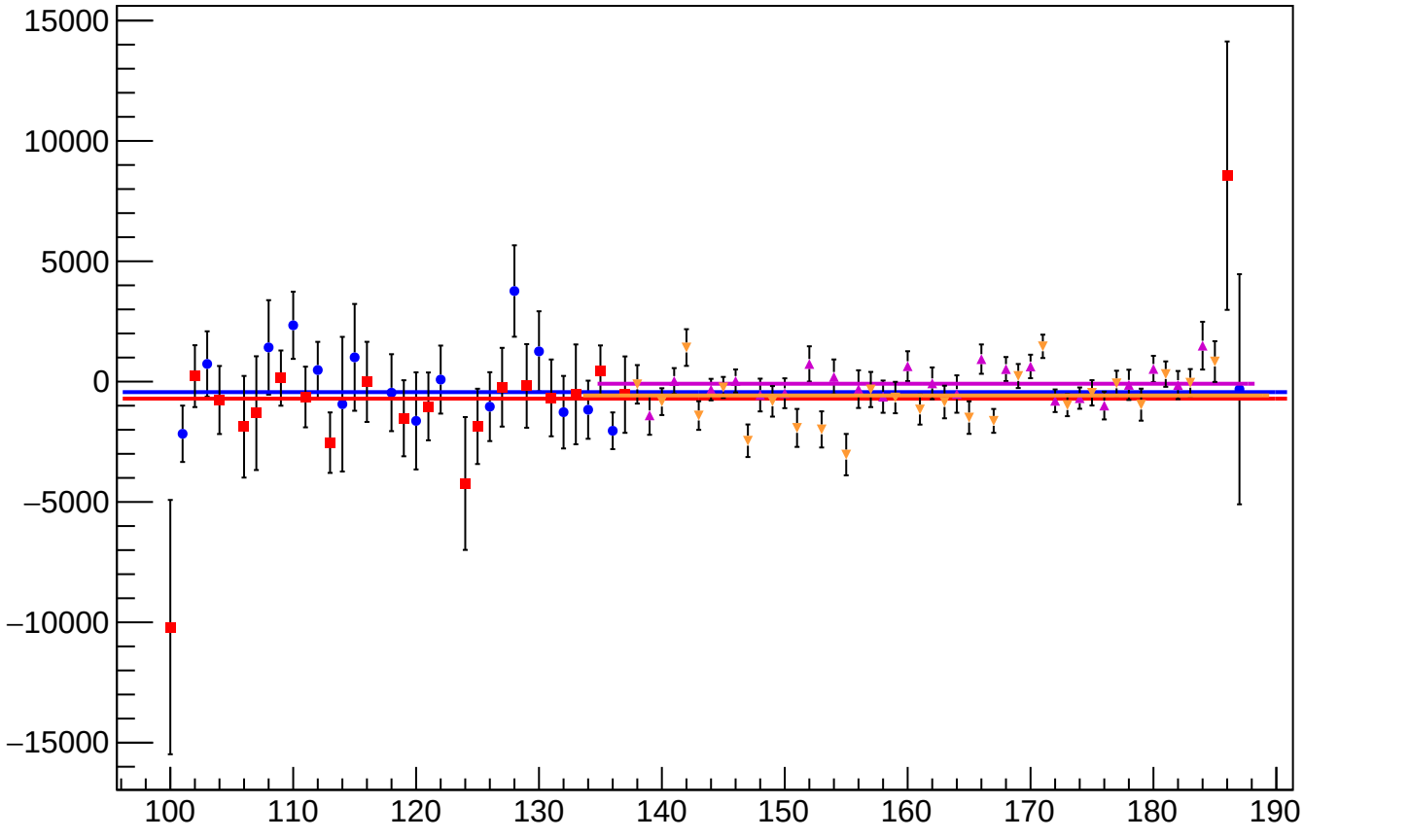
Right Out: 69.946+/-0.019 χ^2/NDF: 1185946.8/19

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 63.228+/-0.009 χ^2/NDF: 1338881.8/41

All: 63.600+/-0.006 χ^2/NDF: 3258721.1/84

- sign 63.996+/-0.009 χ^2/NDF: 1916158.5/42



Right In: -436.780+/-347.956 χ^2/NDF: 20.6/16

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

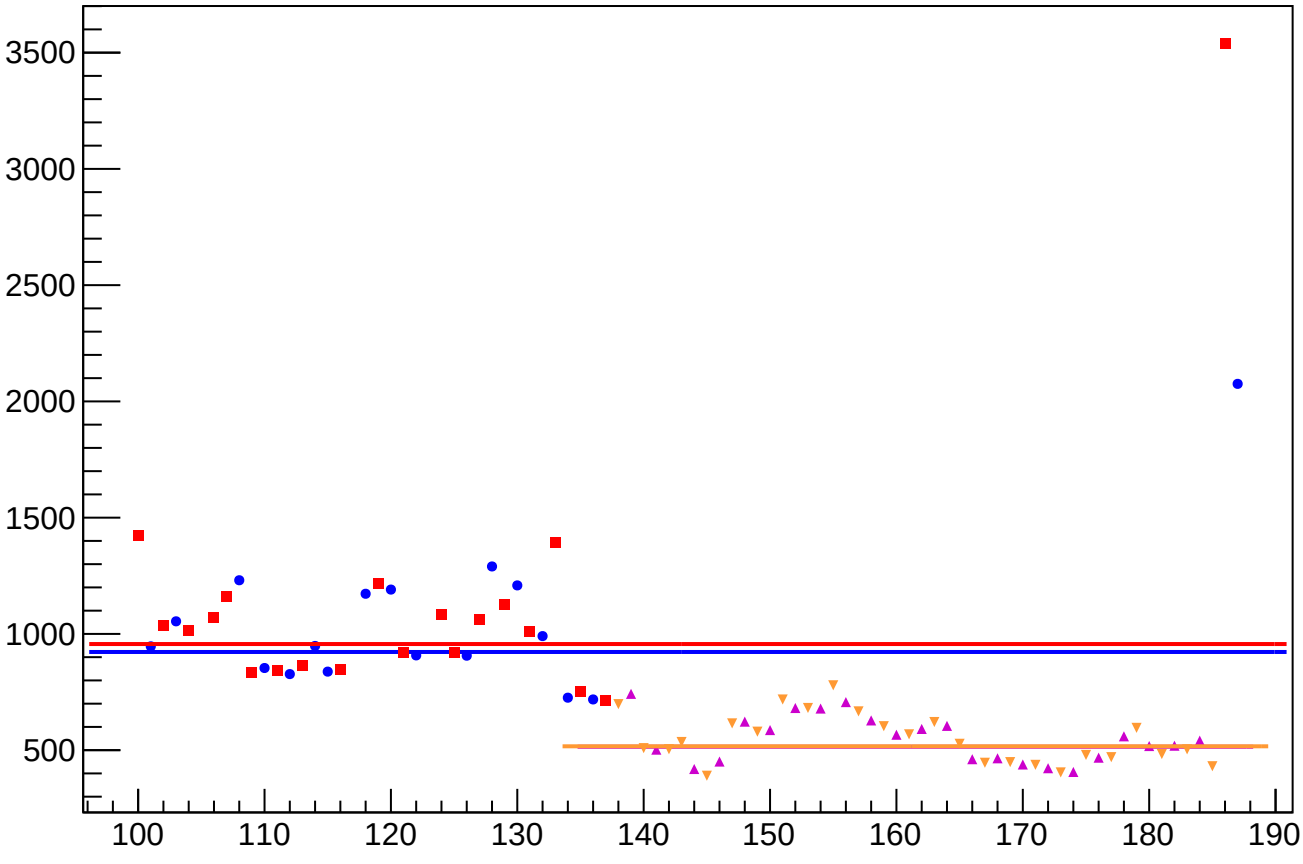
Right Out: -707.141+/-352.780 χ^2/NDF: 13.6/19

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -560.197+/-113.220 χ^2/NDF: 89.5/41

All: -361.971+/-80.927 χ^2/NDF: 136.7/84

- sign -154.911+/-115.715 χ^2/NDF: 41.0/42



Right In: 922.318+/-0.246 χ^2/NDF: 626183.5/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 956.476+/-0.249 χ^2/NDF: 836351.0/19

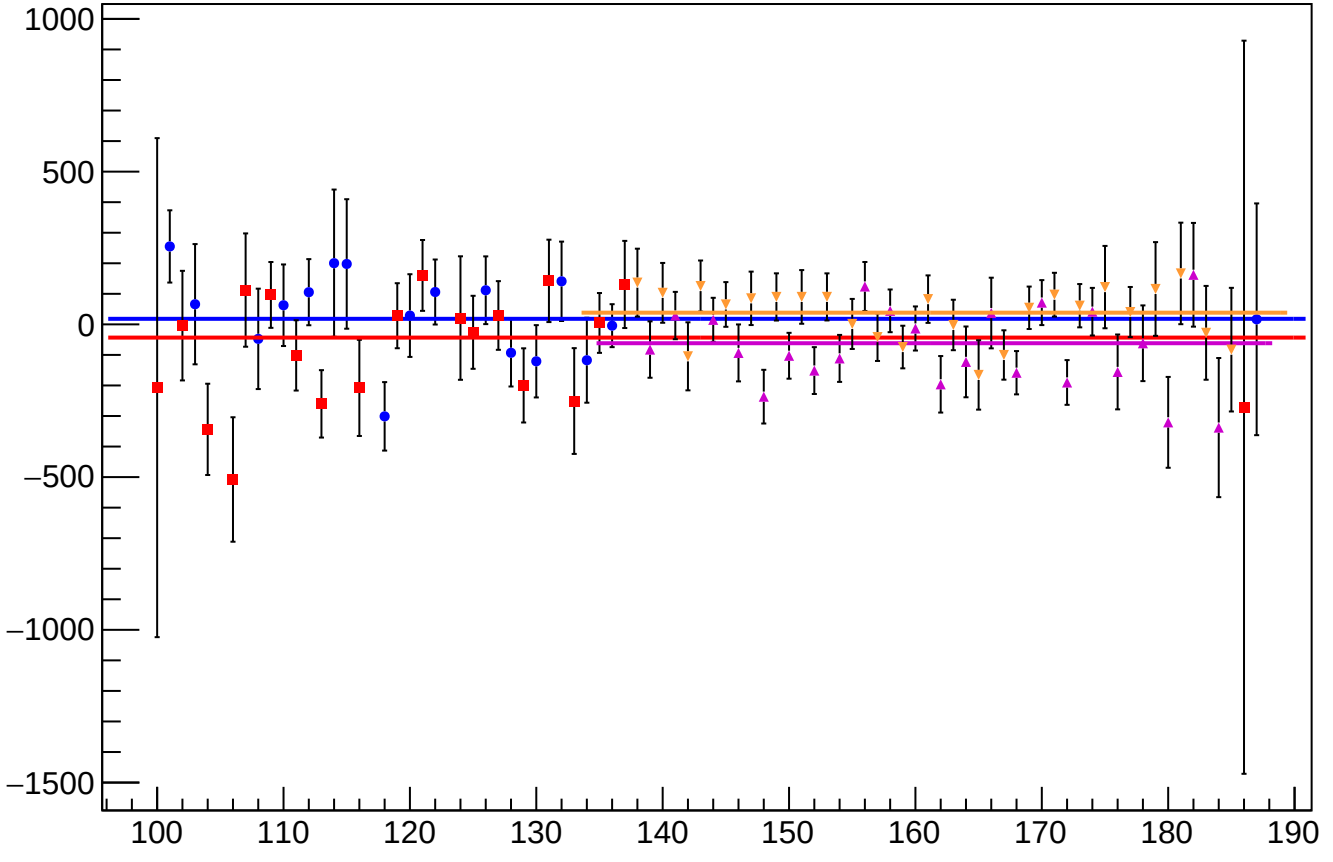
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

\+ sign 559.588+/-0.080 χ^2/NDF: 4322168.1/41

All: 560.916+/-0.057 χ^2/NDF: 9077420.8/84

\- sign 562.304+/-0.082 χ^2/NDF: 4754689.8/42

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.165+/-30.250 χ^2/NDF: 20.1/16

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -43.295+/-30.697 χ^2/NDF: 27.8/19

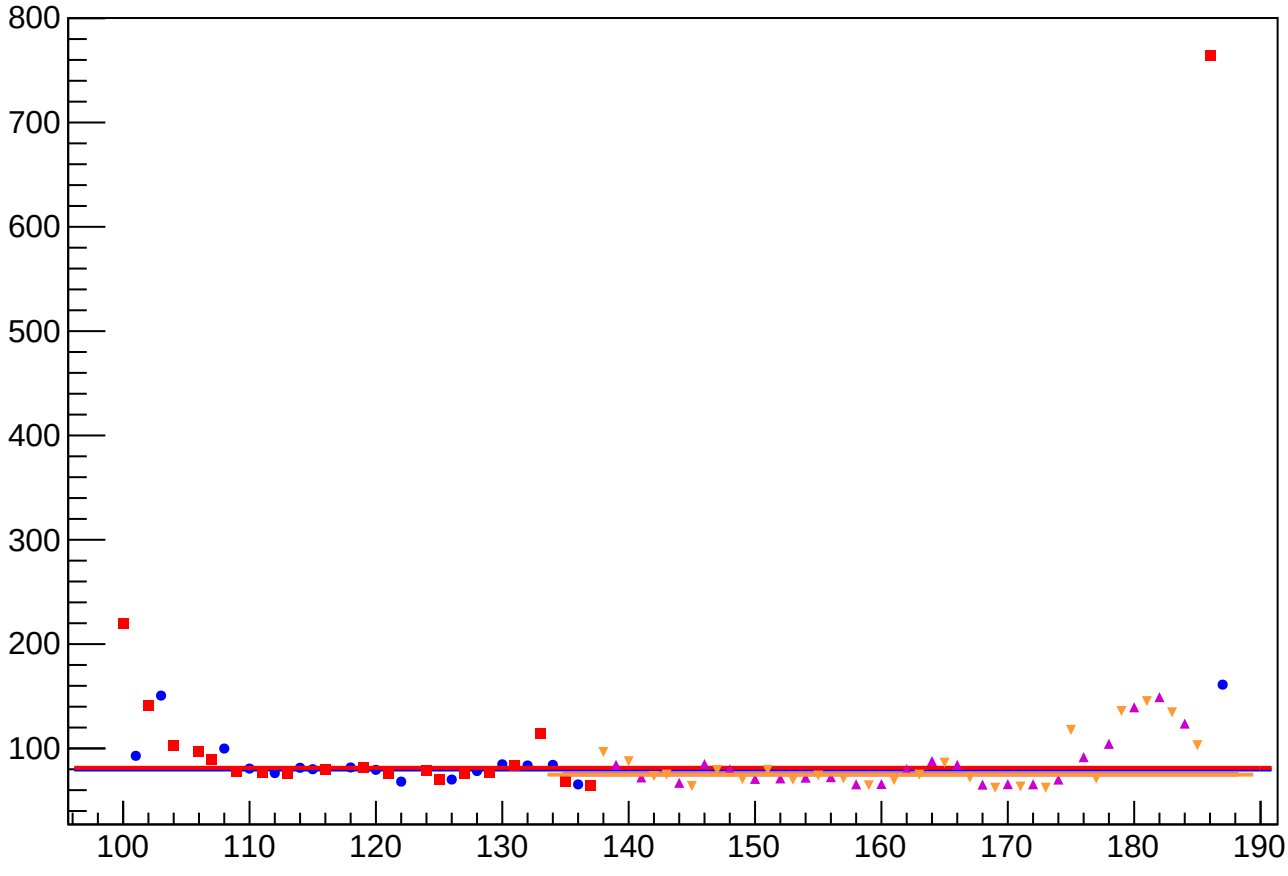
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.164+/-15.257 χ^2/NDF: 39.3/41

All: -10.741+/-10.925 χ^2/NDF: 121.0/84

- sign -56.934+/-15.650 χ^2/NDF: 64.8/42

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.784+/-0.021 χ^2/NDF: 537529.9/16

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

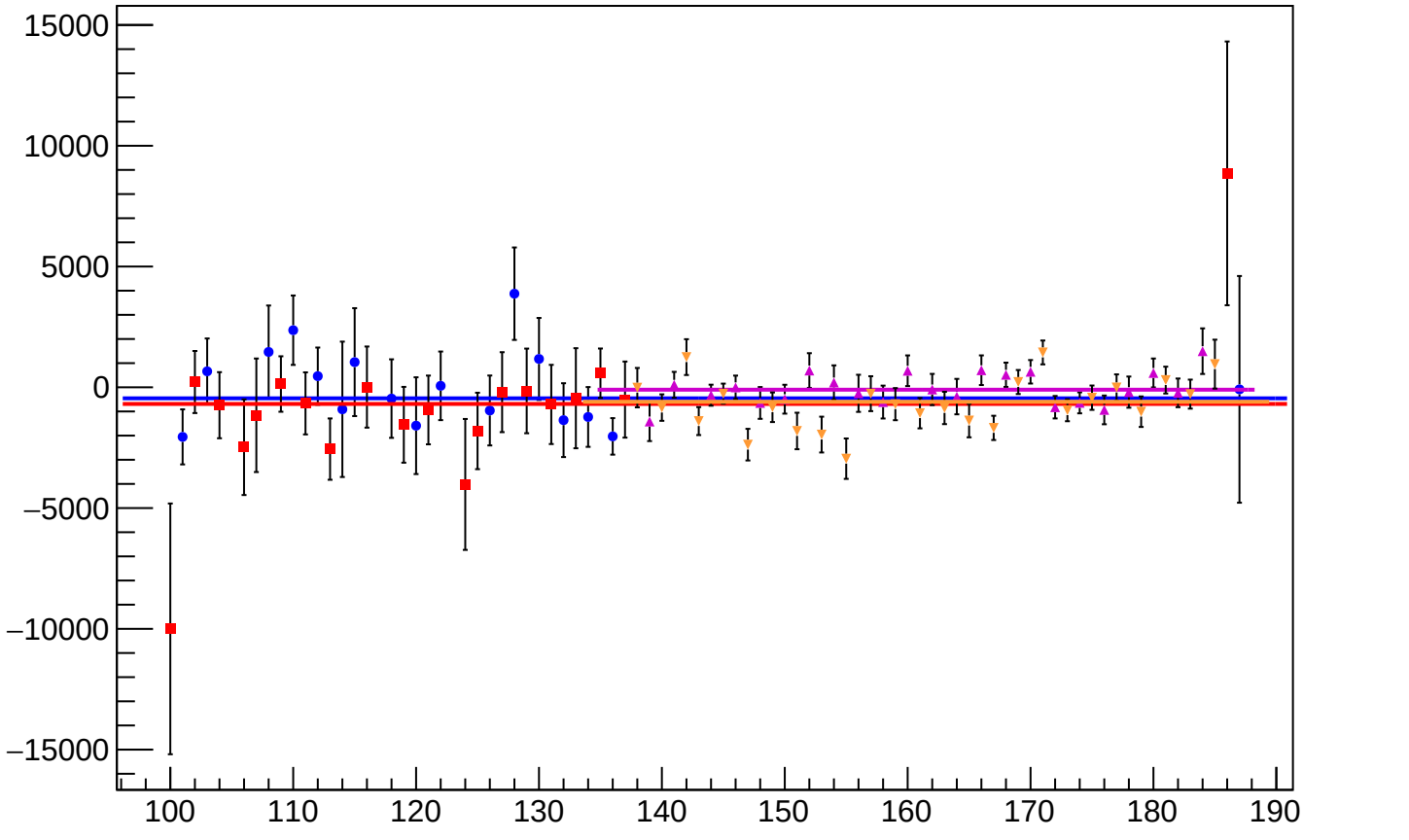
Right Out: 81.405+/-0.022 χ^2/NDF: 1162060.1/19

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 76.144+/-0.011 χ^2/NDF: 2237906.0/41

All: 76.454+/-0.008 χ^2/NDF: 4775555.4/84

- sign 76.780+/-0.011 χ^2/NDF: 2535958.4/42



Right In: -456.045+/-349.105 χ^2/NDF: 20.3/16

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -688.946+/-351.841 χ^2/NDF: 14.6/19

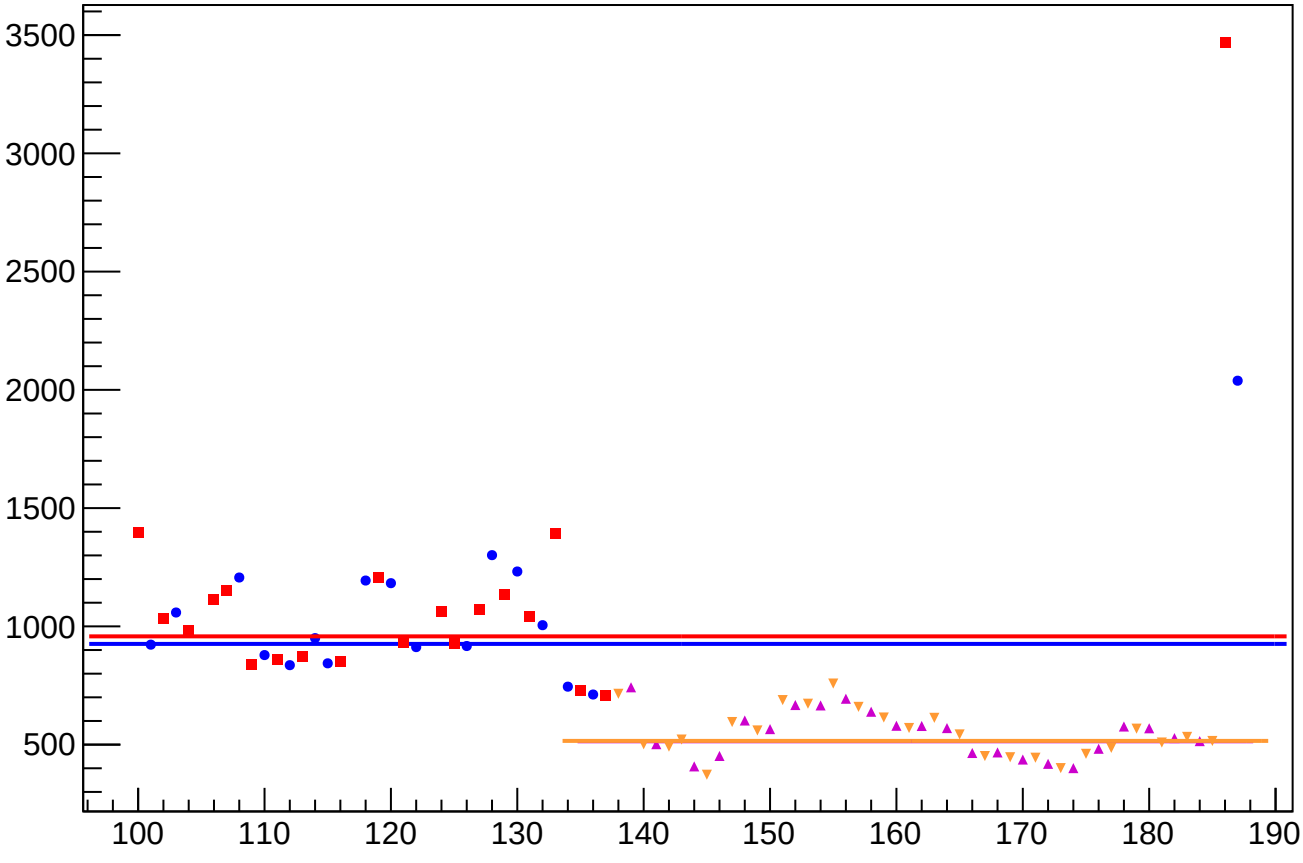
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -583.891+/-112.910 χ^2/NDF: 85.5/41

All: -378.121+/-80.750 χ^2/NDF: 133.1/84

- sign -162.697+/-115.529 χ^2/NDF: 40.8/42

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 925.832+/-0.247 χ^2/NDF: 628555.7/16

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 957.740+/-0.249 χ^2/NDF: 850168.8/19

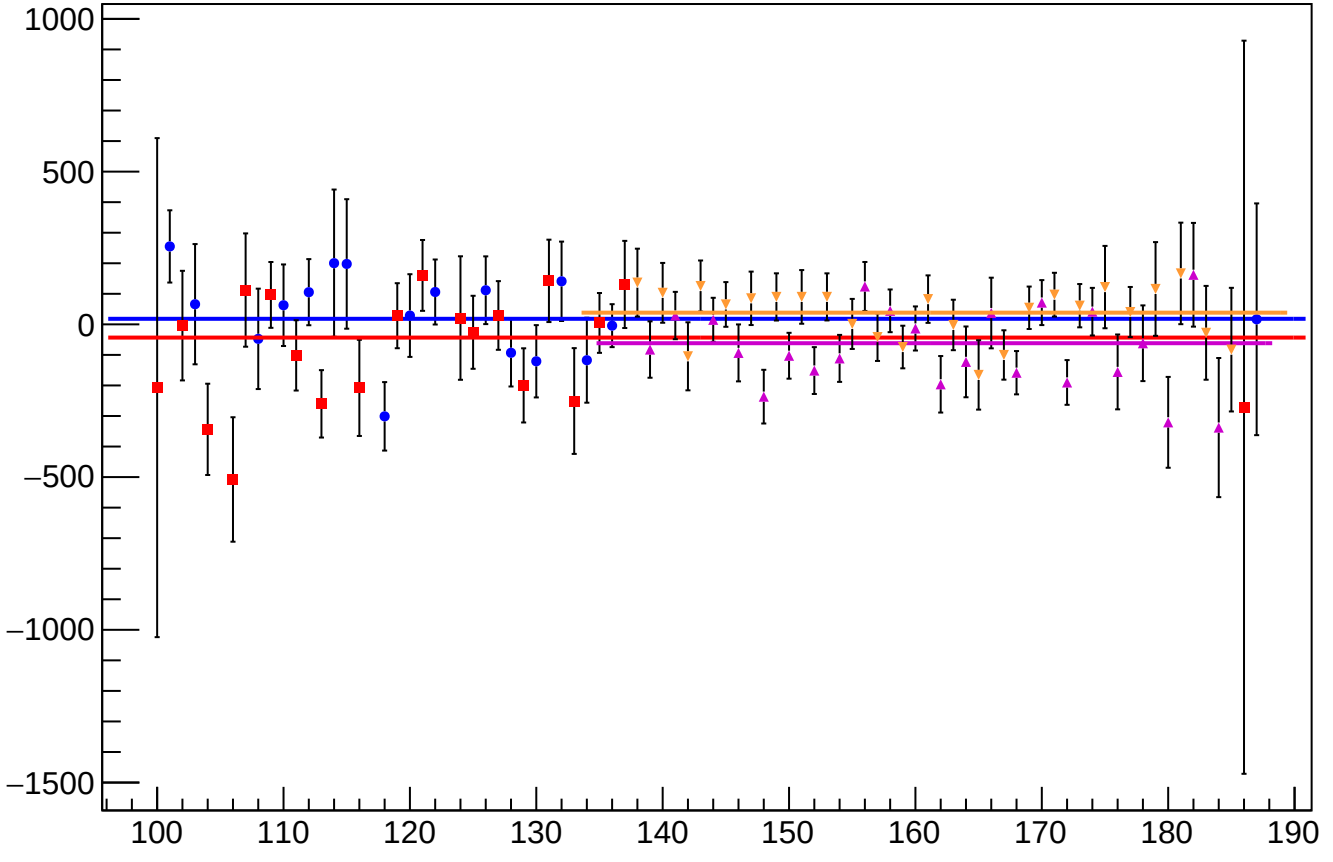
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 558.657+/-0.080 χ^2/NDF: 4331900.6/41

All: 560.252+/-0.057 χ^2/NDF: 9136886.3/84

- sign 561.921+/-0.082 χ^2/NDF: 4804169.4/42

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 18.165+/-30.250 χ^2/NDF: 20.1/16

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -43.293+/-30.697 χ^2/NDF: 27.8/19

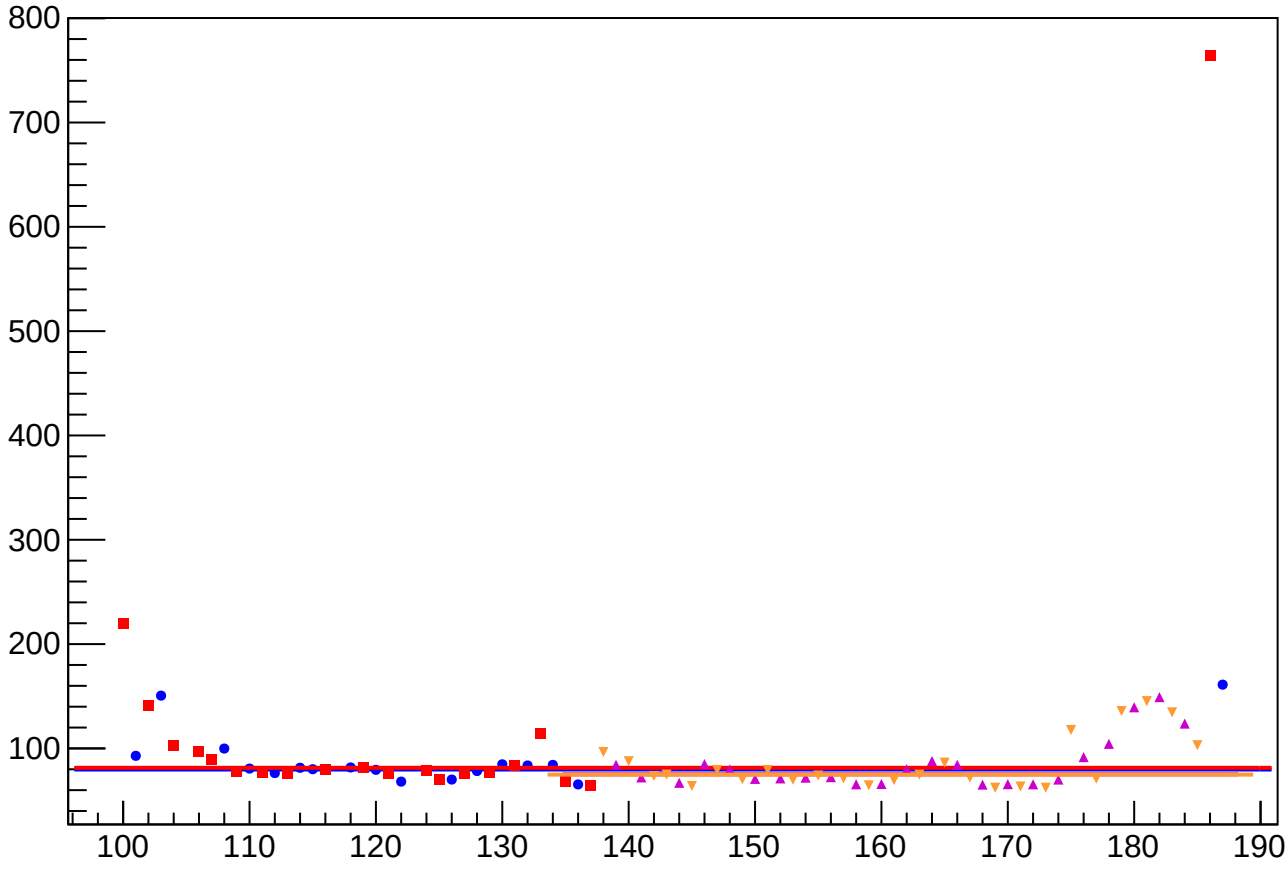
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 33.164+/-15.257 χ^2/NDF: 39.3/41

All: -10.740+/-10.925 χ^2/NDF: 121.0/84

- sign -56.933+/-15.650 χ^2/NDF: 64.8/42

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 79.783+/-0.021 χ^2/NDF: 537529.6/16

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 81.405+/-0.022 χ^2/NDF: 1162069.2/19

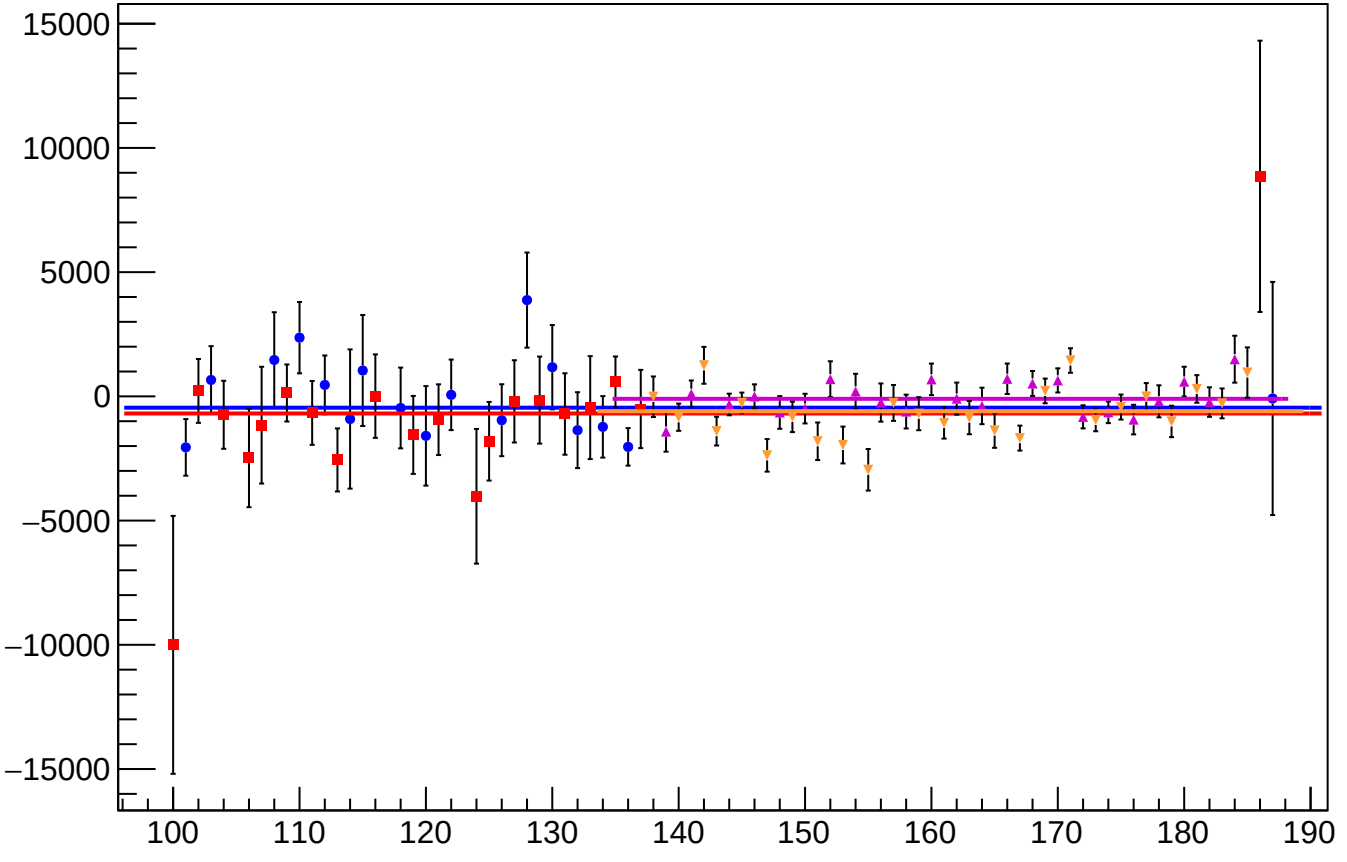
Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 76.145+/-0.011 χ^2/NDF: 2237896.7/41

All: 76.454+/-0.008 χ^2/NDF: 4775531.6/84

- sign 76.780+/-0.011 χ^2/NDF: 2535943.6/42

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug



Right In: -456.042+/-349.104 χ^2/NDF: 20.3/16

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

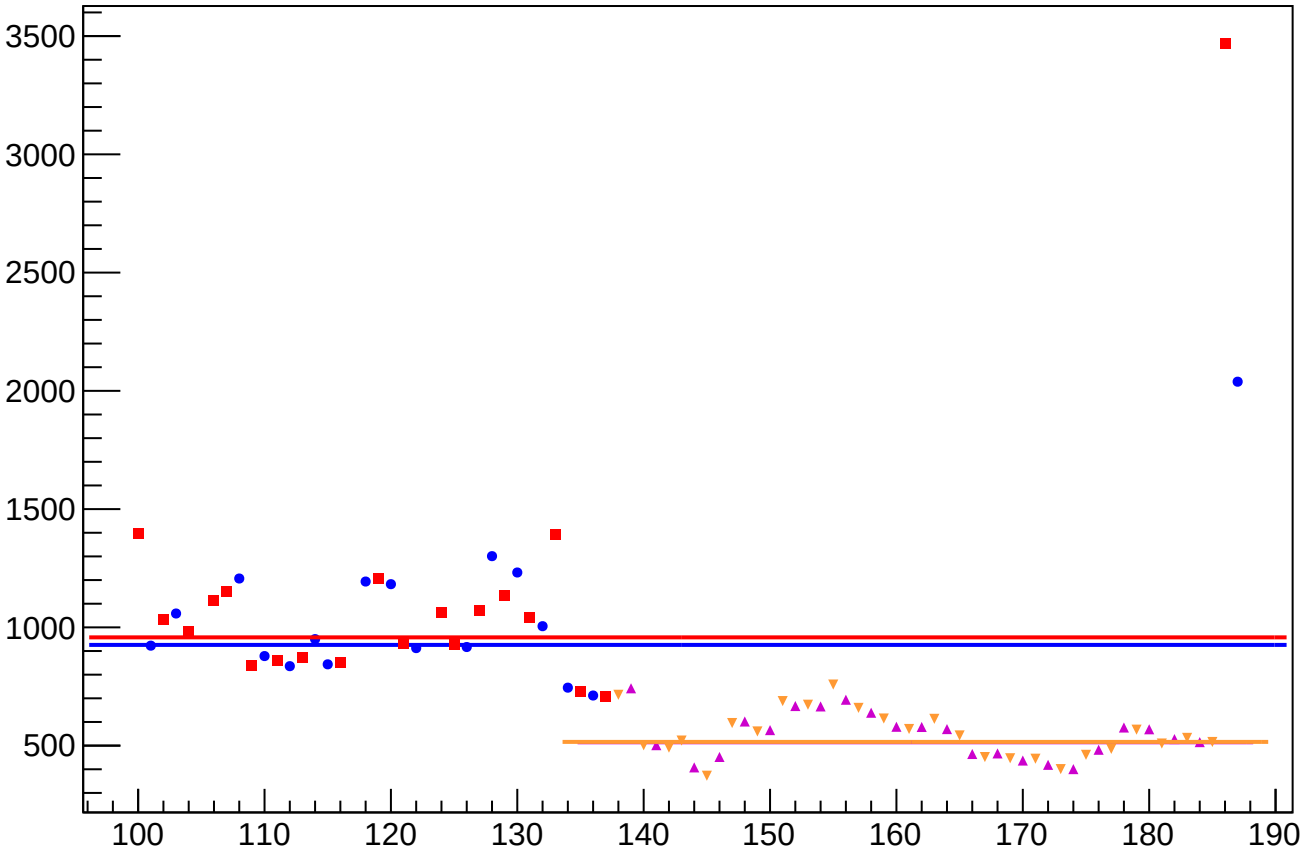
Right Out: -688.945+/-351.840 χ^2/NDF: 14.6/19

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -583.889+/-112.910 χ^2/NDF: 85.5/41

All: -378.120+/-80.749 χ^2/NDF: 133.1/84

- sign -162.697+/-115.529 χ^2/NDF: 40.8/42



Right In: 925.830+/-0.247 χ^2/NDF: 628555.8/16

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 957.738+/-0.249 χ^2/NDF: 850169.8/19

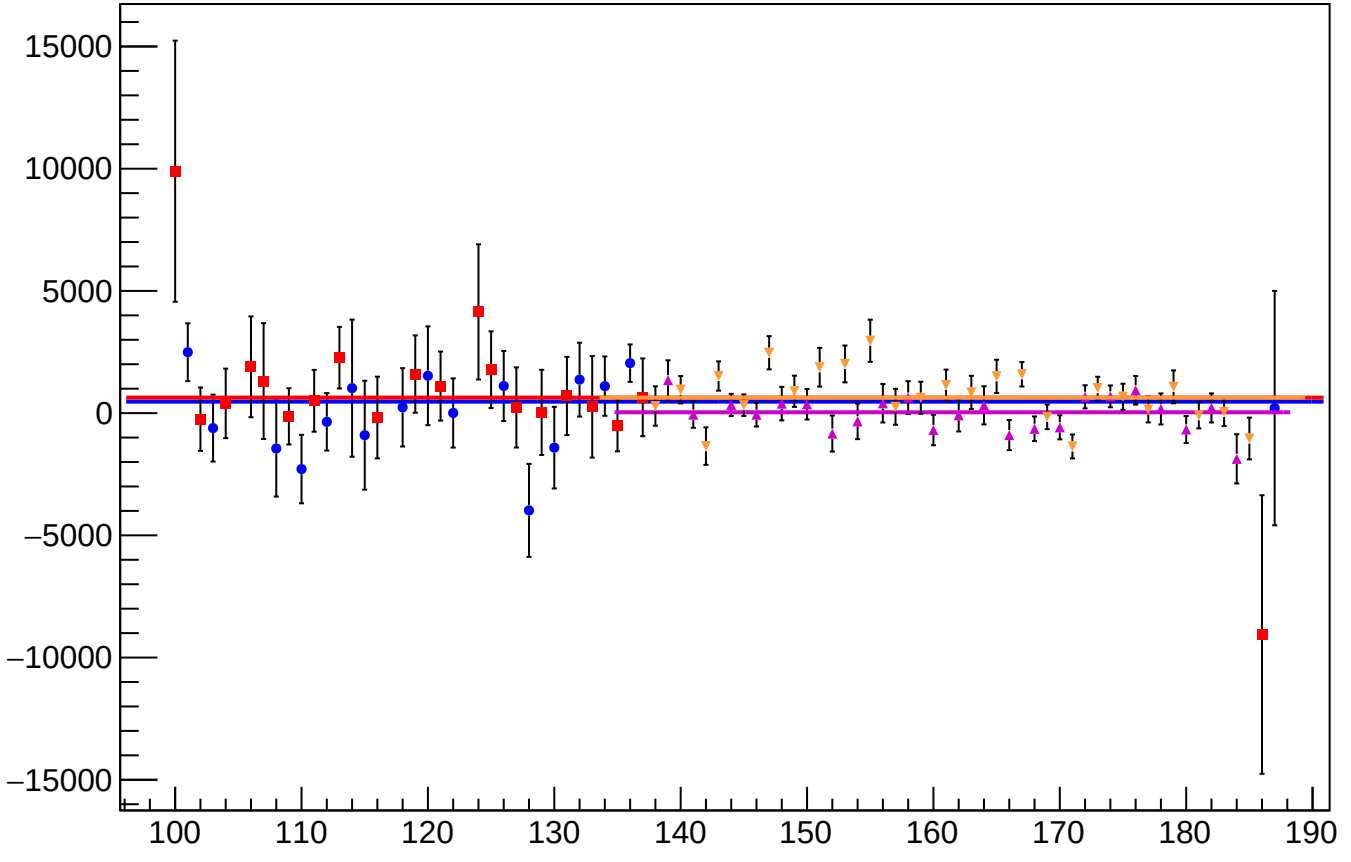
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

\+ sign 558.656+/-0.080 χ^2/NDF: 4331900.7/41

All: 560.251+/-0.057 χ^2/NDF: 9136880.9/84

\- sign 561.920+/-0.082 χ^2/NDF: 4804163.7/42

asym_sam_12345678_avg_mean vs Slug



Right In: 470.597+/-349.444 χ^2/NDF: 21.5/16

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 635.015+/-353.828 χ^2/NDF: 13.2/19

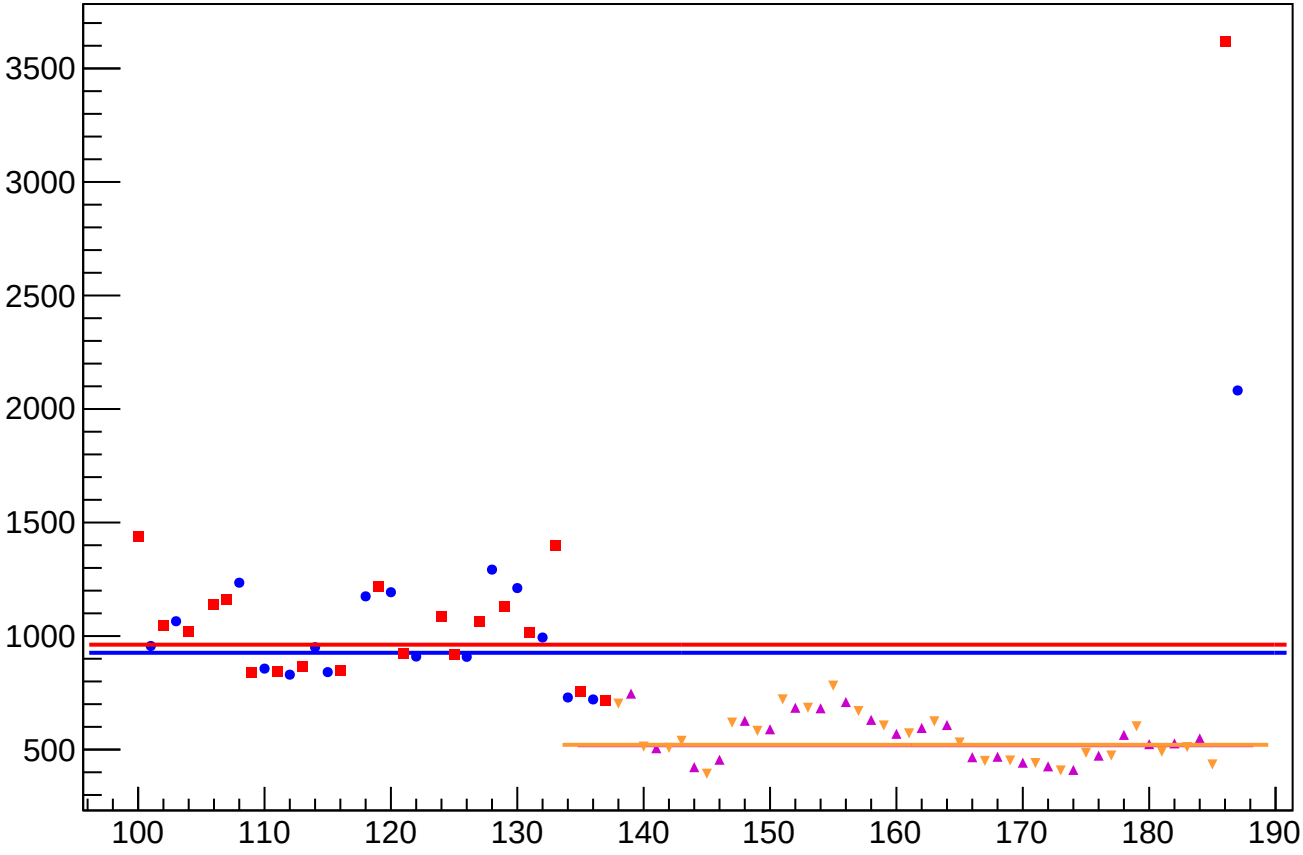
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

\+ sign 617.279+/-114.100 χ^2/NDF: 86.2/41

All: 364.282+/-81.556 χ^2/NDF: 137.1/84

\- sign 100.006+/-116.616 χ^2/NDF: 40.9/42

asym_sam_12345678_avg_rms vs Slug



Right In: 926.296+/-0.247 χ^2/NDF: 625464.6/16

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

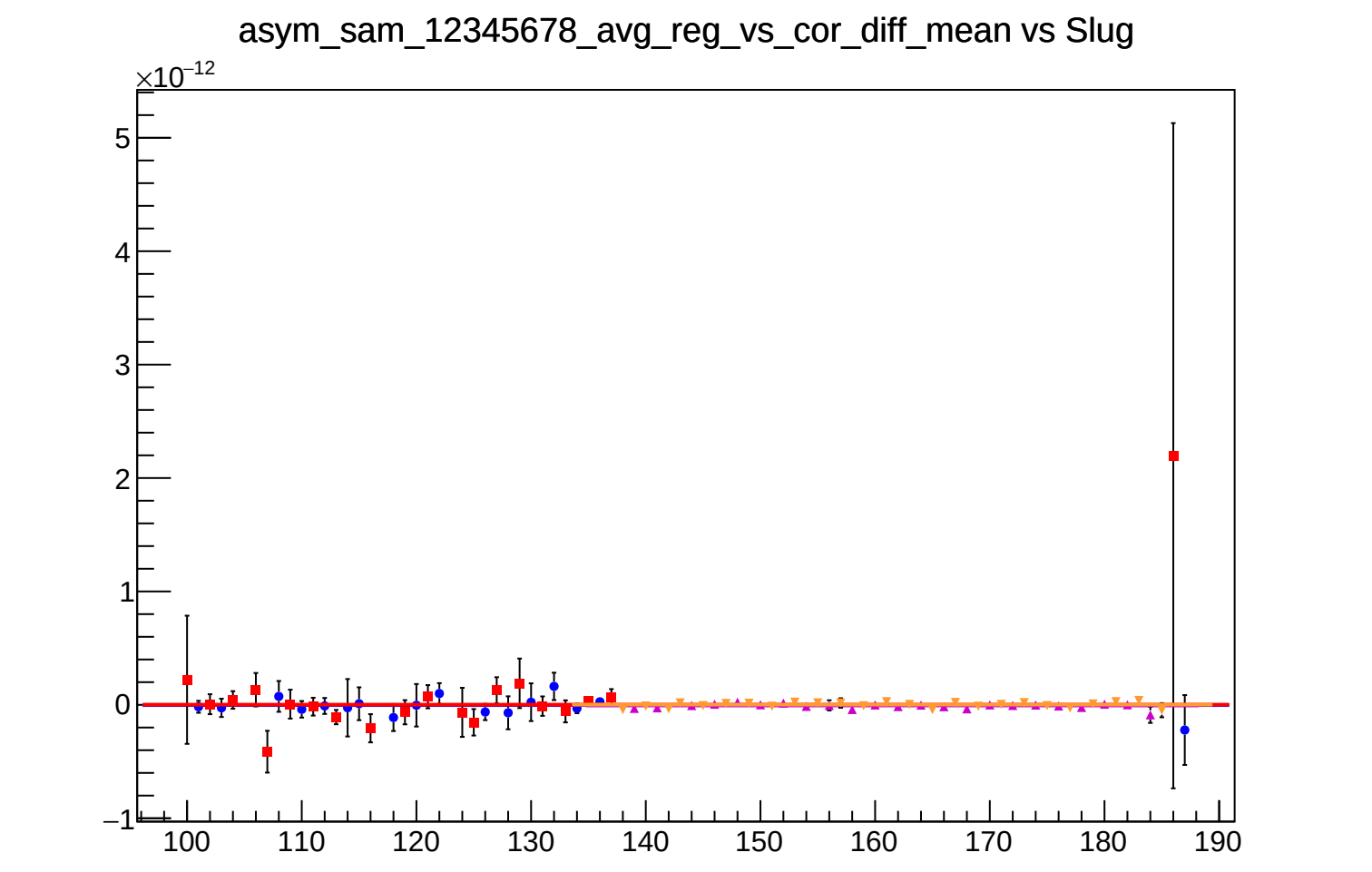
Right Out: 962.010+/-0.250 χ^2/NDF: 852496.3/19

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 564.233+/-0.081 χ^2/NDF: 4271754.5/41

All: 565.751+/-0.058 χ^2/NDF: 9017188.0/84

- sign 567.336+/-0.082 χ^2/NDF: 4744710.4/42



Right In: -0.000+/-0.000 χ^2/NDF: 7.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

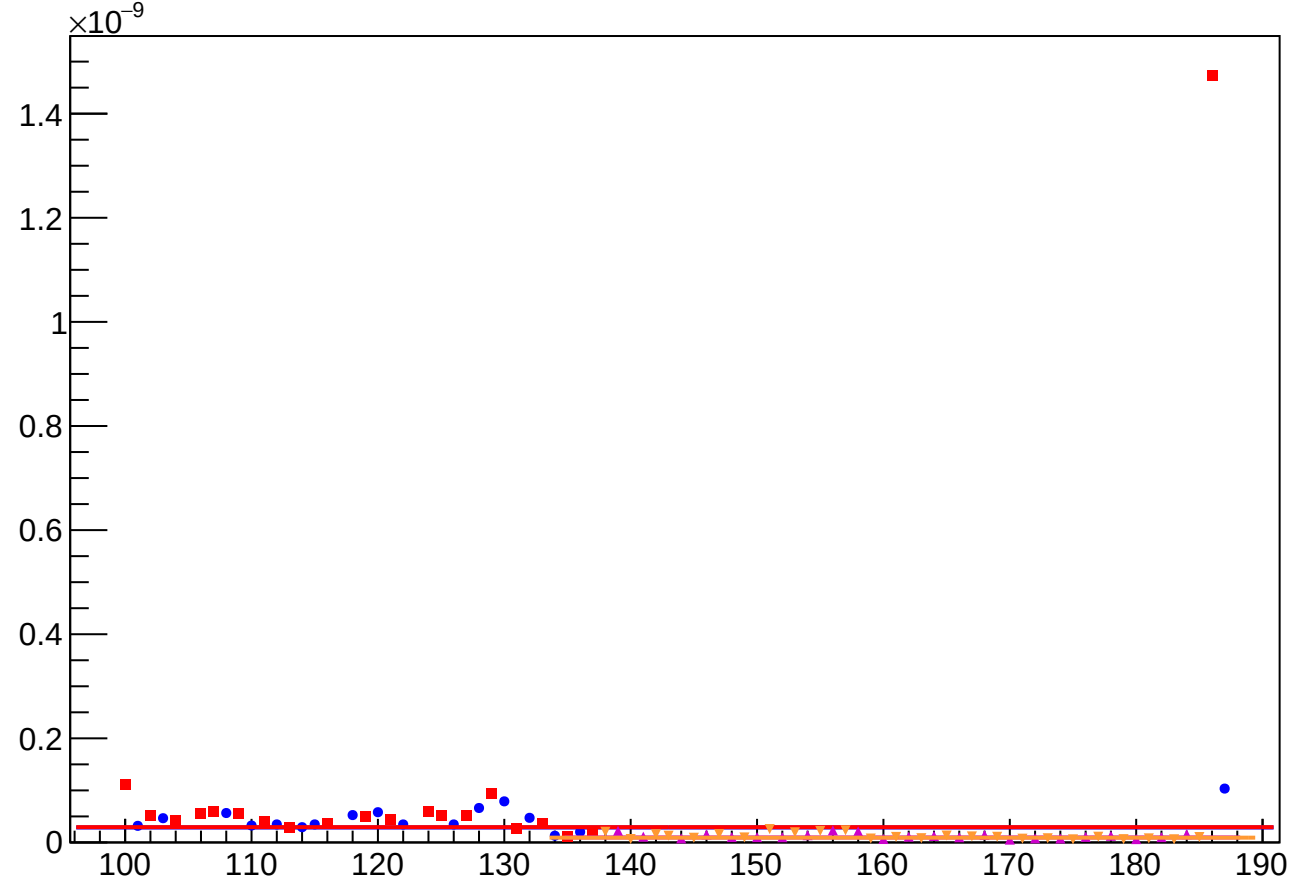
Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/19

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/41

All: -0.000+/-0.000 χ^2/NDF: 62.5/84

- sign -0.000+/-0.000 χ^2/NDF: 30.9/42



Right In: 0.000+/-0.000 χ^2/NDF: 1270528.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

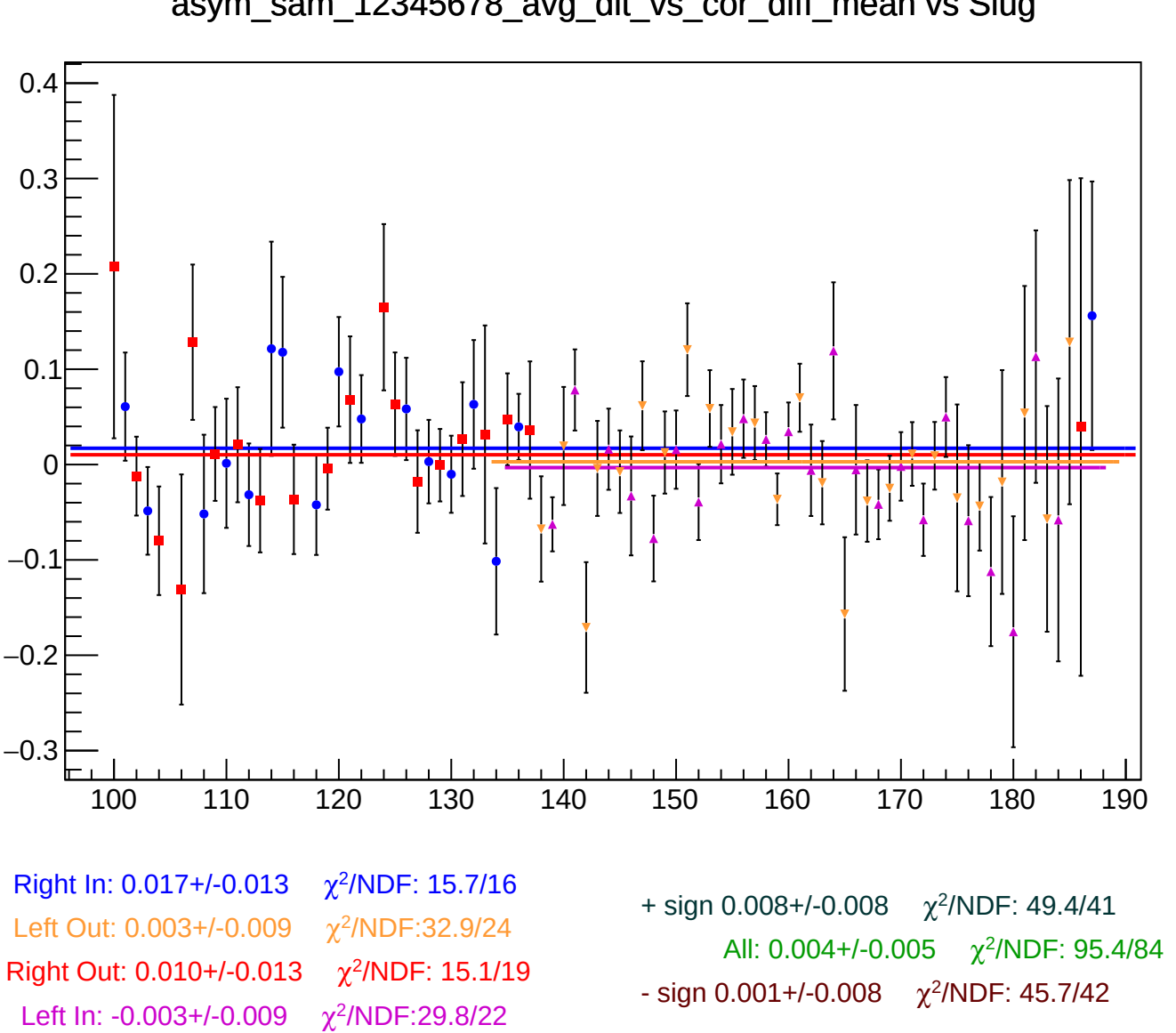
Right Out: 0.000+/-0.000 χ^2/NDF: 2130967.5/19

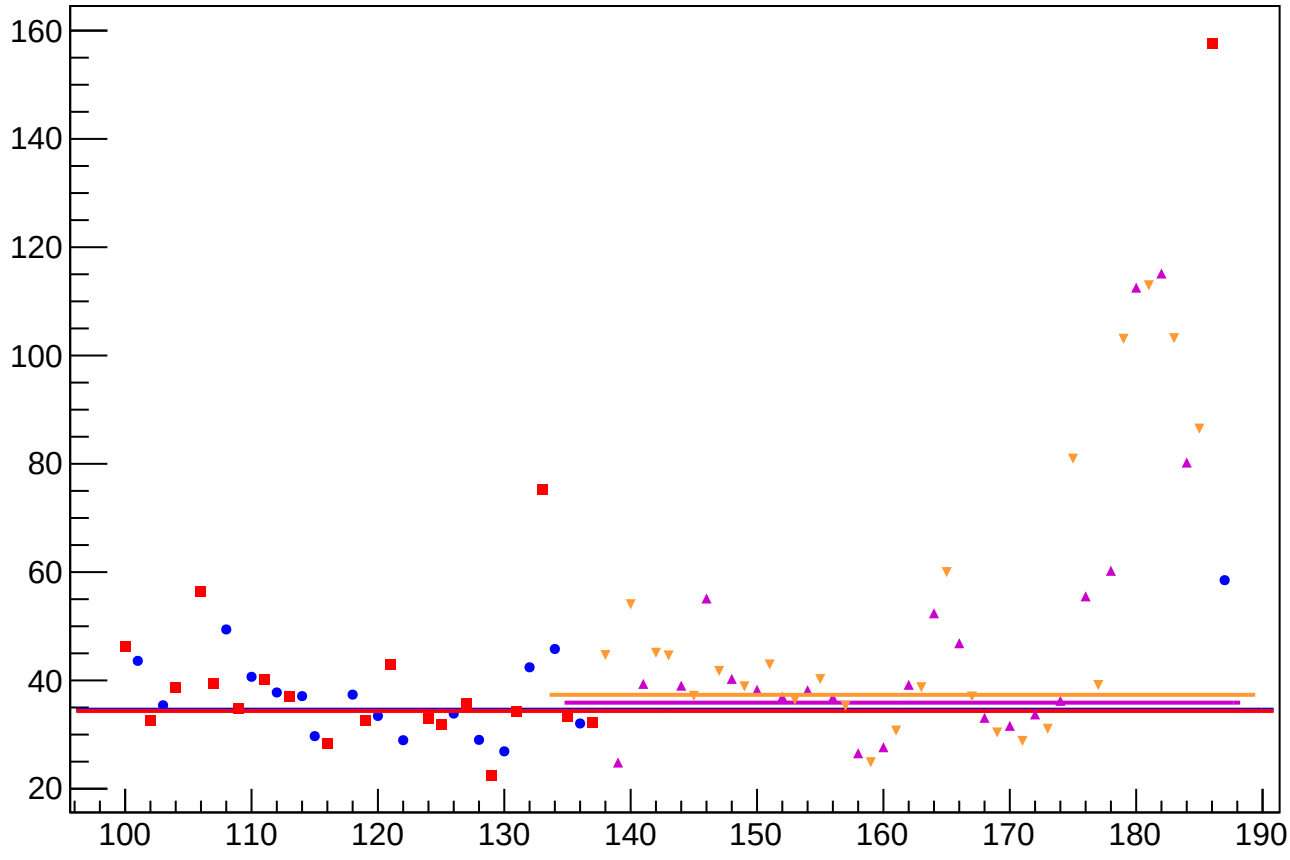
Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5737420.1/41

All: 0.000+/-0.000 χ^2/NDF: 11515090.2/84

- sign 0.000+/-0.000 χ^2/NDF: 5769987.6/42


asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
180
190
Right In: 0.017+/-0.013 χ²/NDF: 15.7/16
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: 0.010+/-0.013 χ²/NDF: 15.1/19
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign 0.008+/-0.008 χ²/NDF: 49.4/41
All: 0.004+/-0.005 χ²/NDF: 95.4/84
- sign 0.001+/-0.008 χ²/NDF: 45.7/42



Right In: 34.598+/-0.009 χ^2/NDF: 426067.9/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

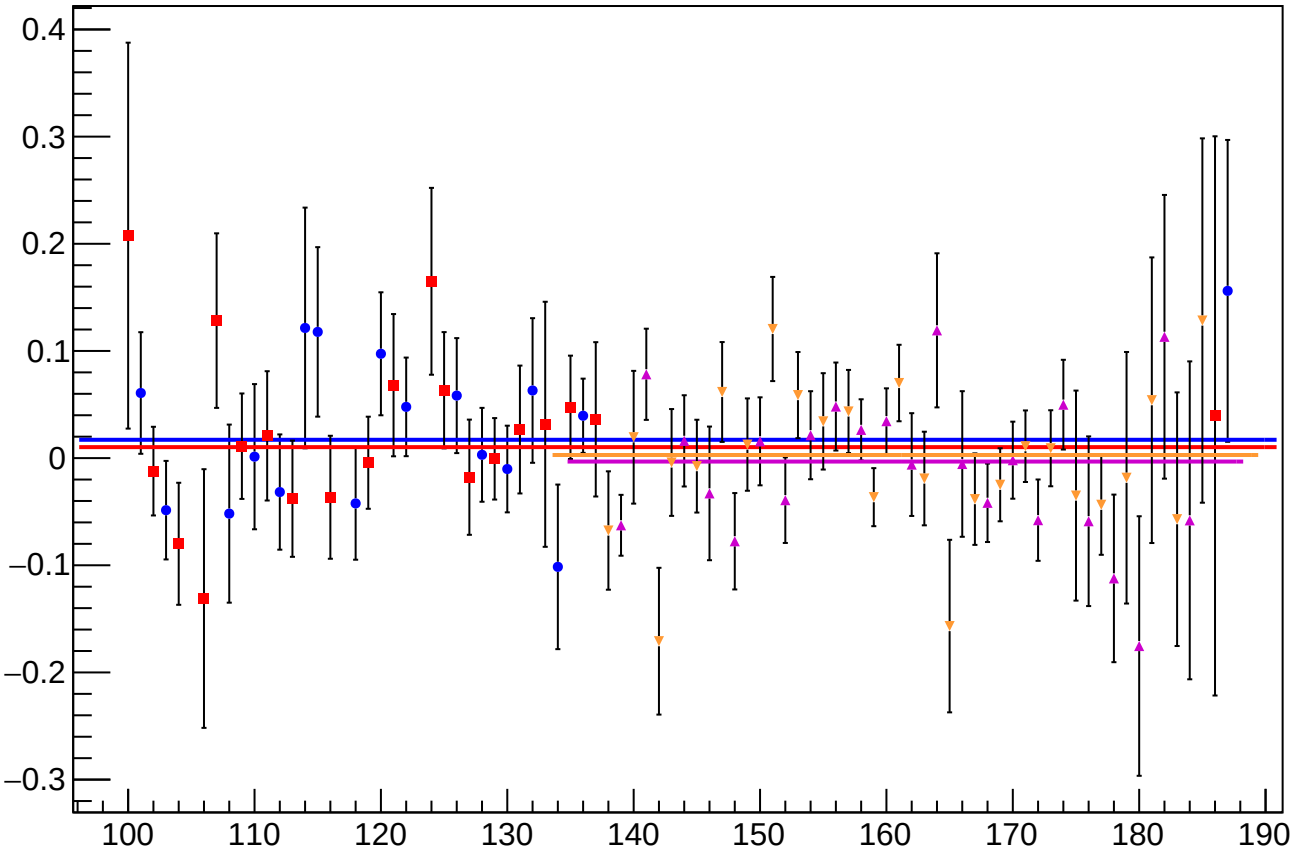
Right Out: 34.363+/-0.009 χ^2/NDF: 1089908.4/19

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.451+/-0.005 χ^2/NDF: 4179926.3/41

All: 35.918+/-0.004 χ^2/NDF: 8445744.7/84

- sign 35.397+/-0.005 χ^2/NDF: 4246424.0/42



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

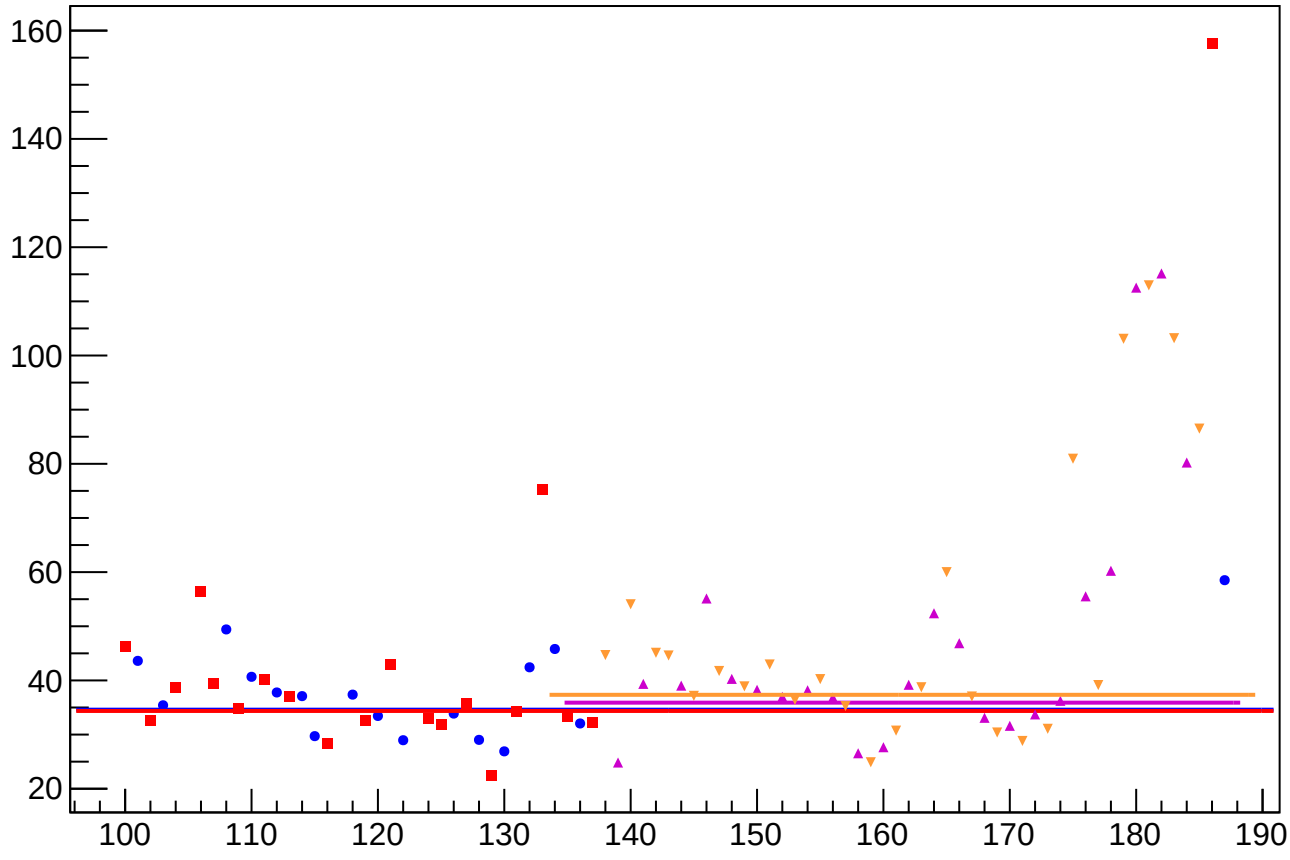
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/41

All: 0.004+/-0.005 χ^2/NDF: 95.4/84

- sign 0.001+/-0.008 χ^2/NDF: 45.7/42



Right In: 34.598+/-0.009 χ^2/NDF: 426067.9/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

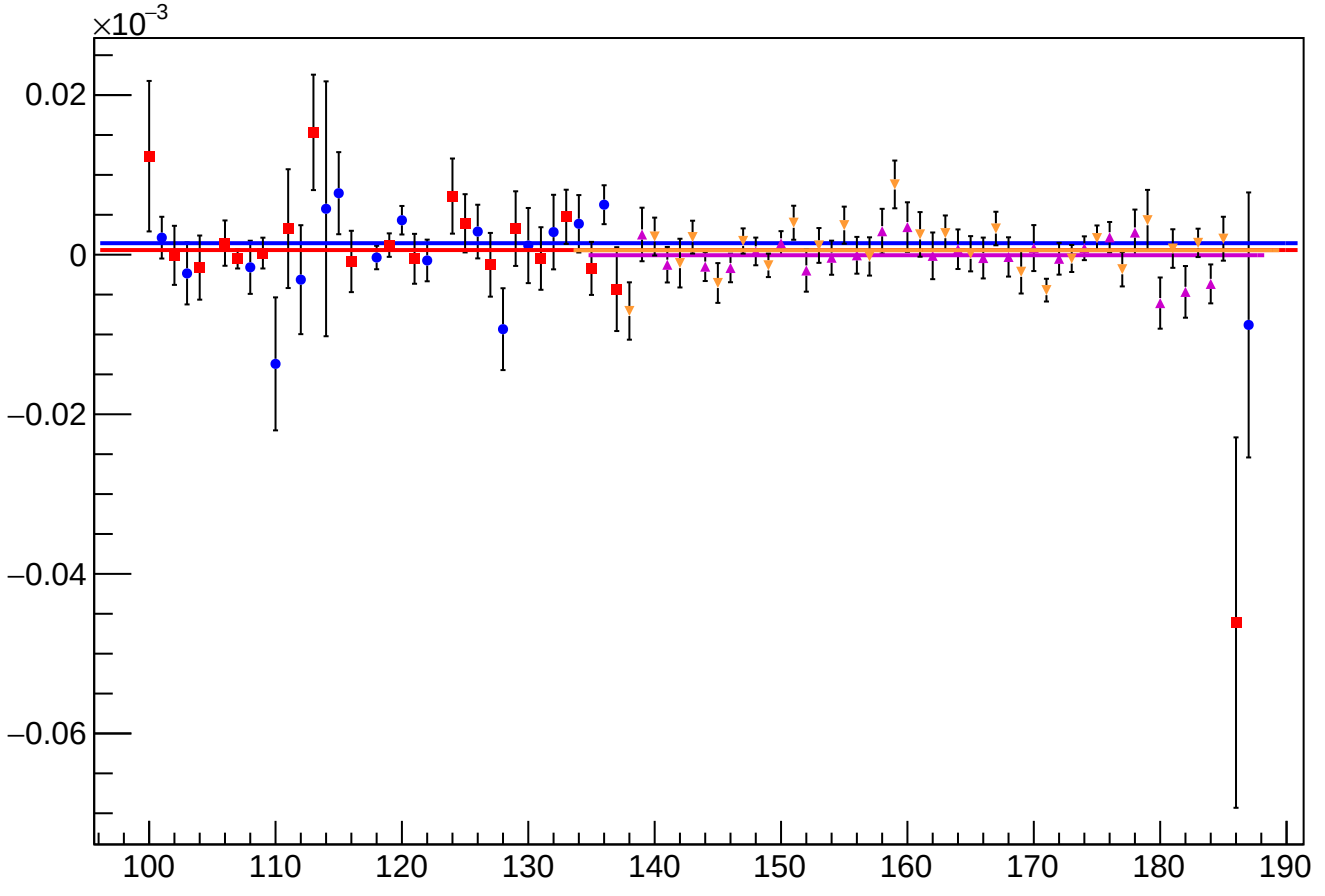
Right Out: 34.363+/-0.009 χ^2/NDF: 1089908.4/19

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.451+/-0.005 χ^2/NDF: 4179926.3/41

All: 35.918+/-0.004 χ^2/NDF: 8445744.7/84

- sign 35.397+/-0.005 χ^2/NDF: 4246424.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

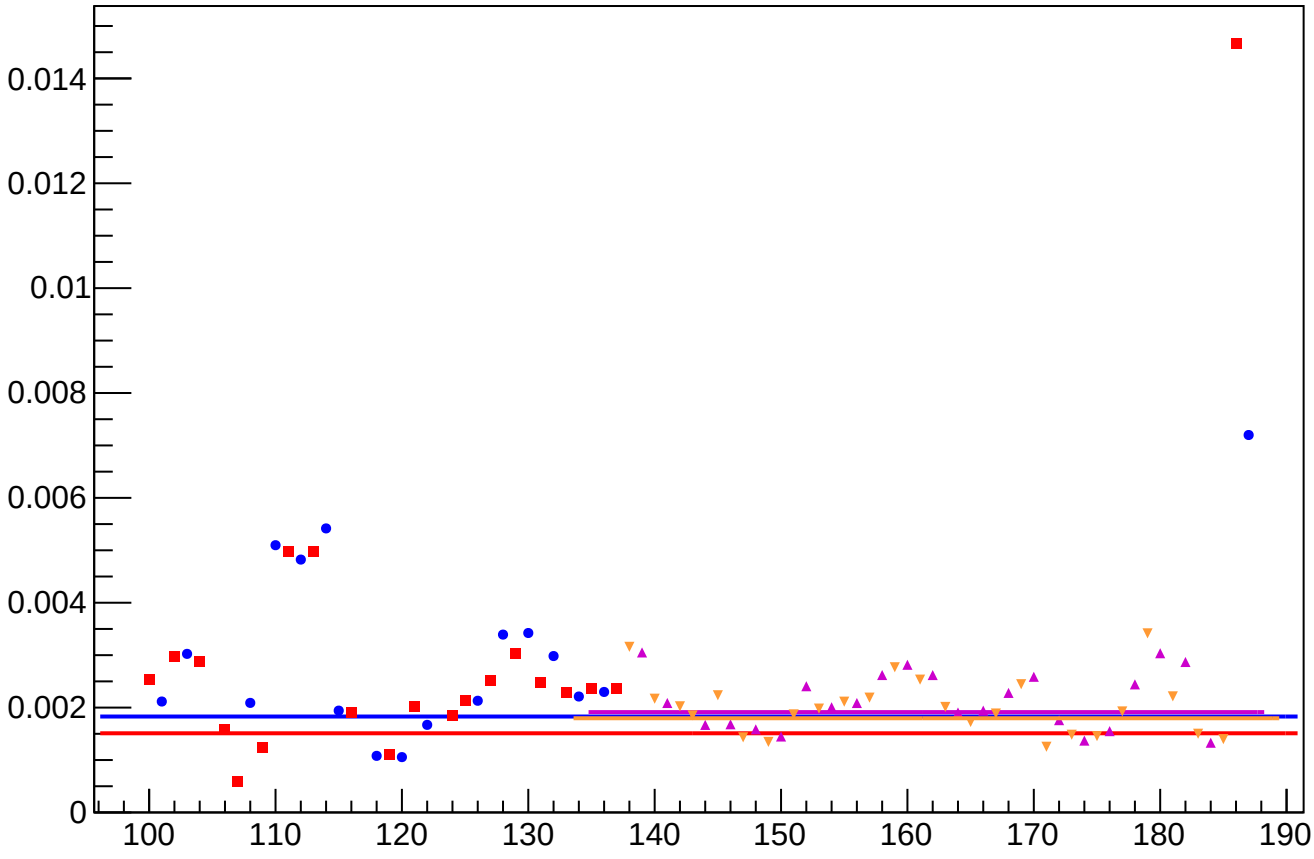
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/19

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/41

All: 0.000+/-0.000 χ^2/NDF: 102.9/84

- sign 0.000+/-0.000 χ^2/NDF: 35.6/42



Right In: 0.002+/-0.000 χ^2/NDF: 2779788.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

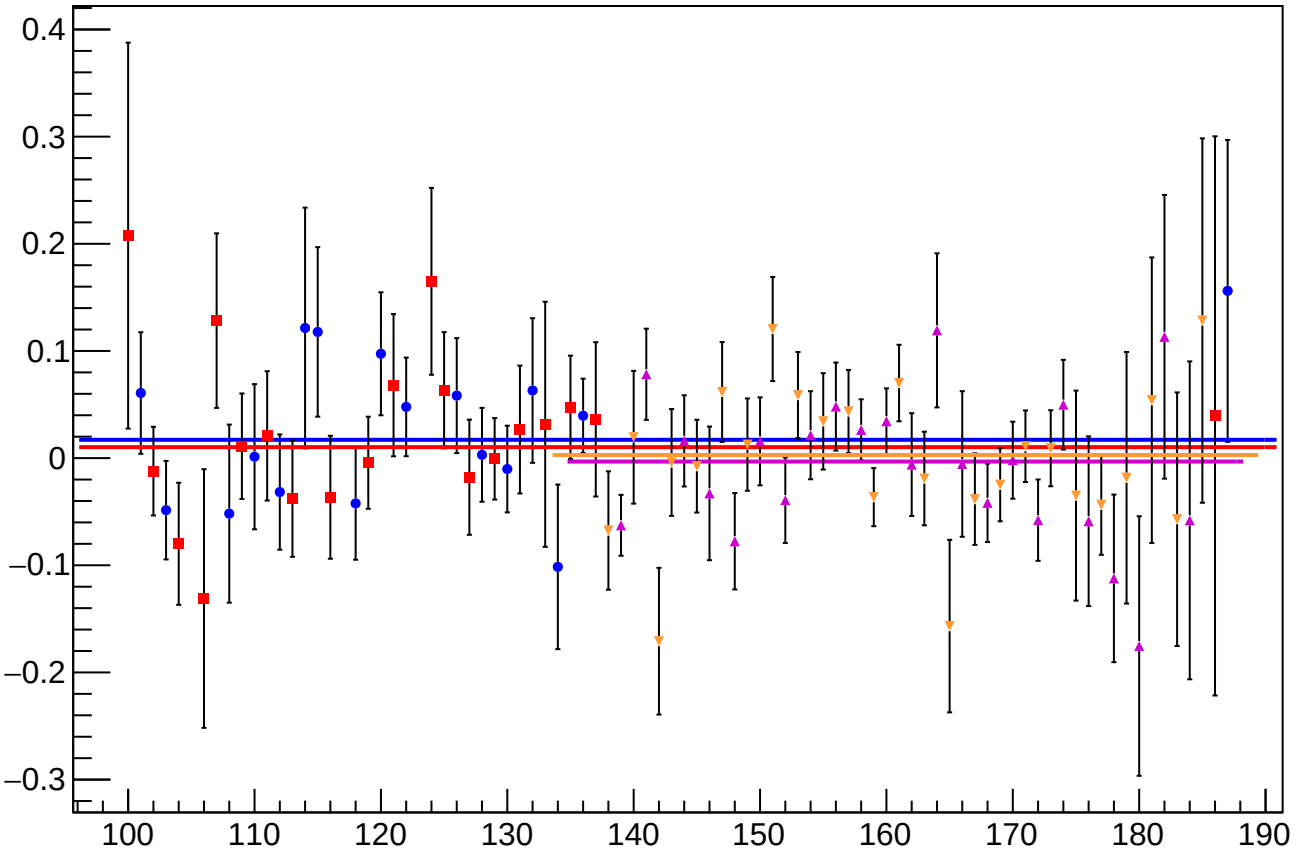
Right Out: 0.002+/-0.000 χ^2/NDF: 4332019.7/19

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 5062037.8/41

All: 0.002+/-0.000 χ^2/NDF: 12086446.6/84

- sign 0.002+/-0.000 χ^2/NDF: 7018488.2/42



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

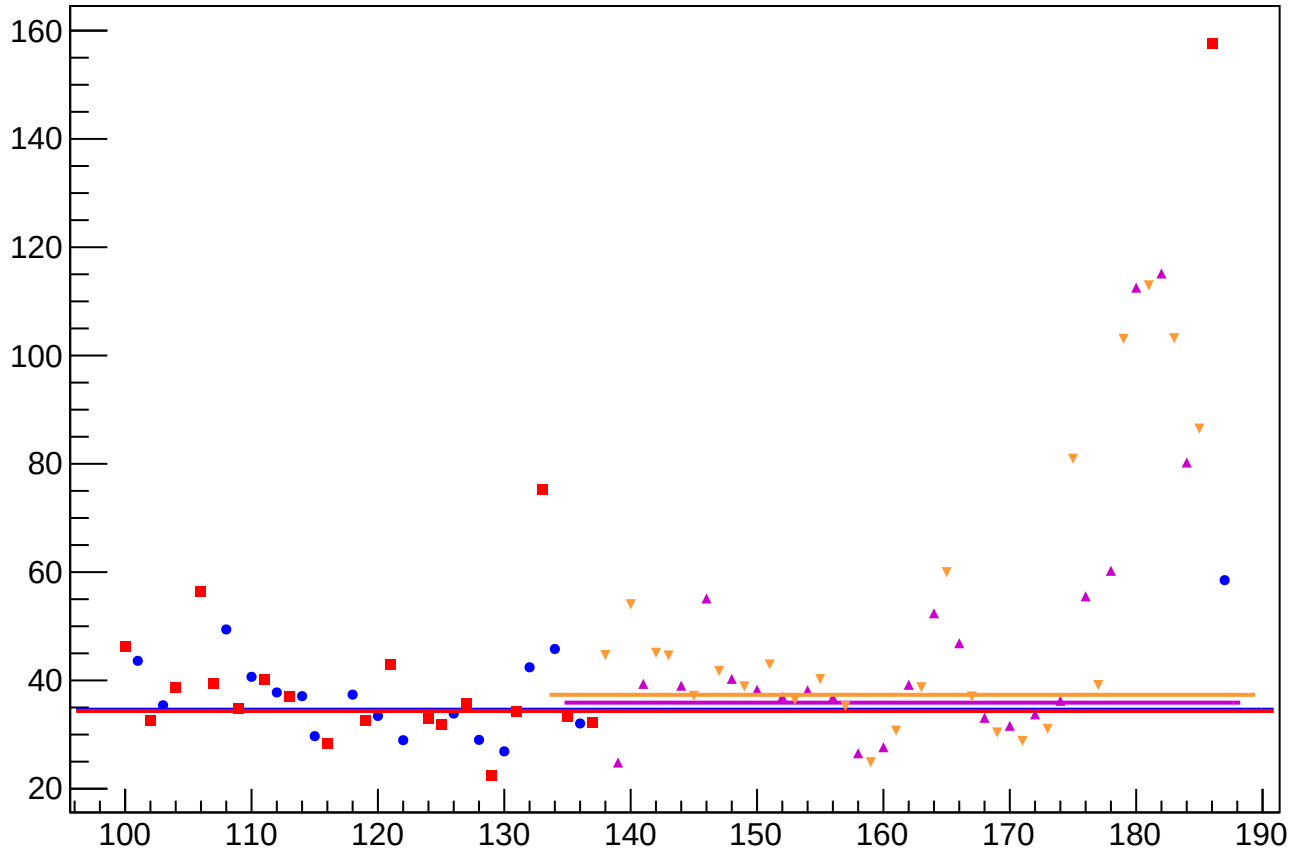
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/41

All: 0.004+/-0.005 χ^2/NDF: 95.4/84

- sign 0.001+/-0.008 χ^2/NDF: 45.7/42



Right In: 34.597+/-0.009 χ^2/NDF: 426139.8/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

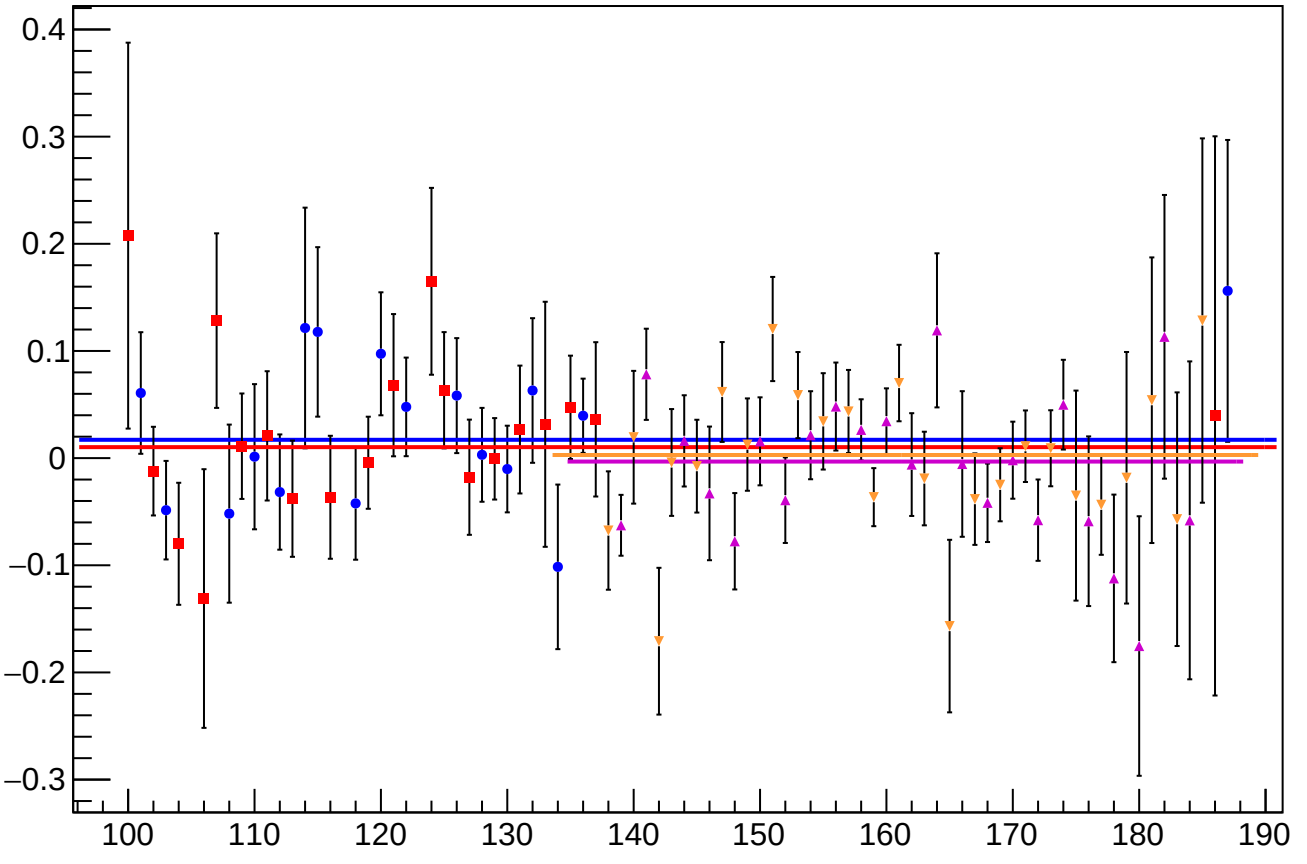
Right Out: 34.363+/-0.009 χ^2/NDF: 1089964.8/19

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.451+/-0.005 χ^2/NDF: 4180089.3/41

All: 35.918+/-0.004 χ^2/NDF: 8445994.5/84

- sign 35.397+/-0.005 χ^2/NDF: 4246516.4/42



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

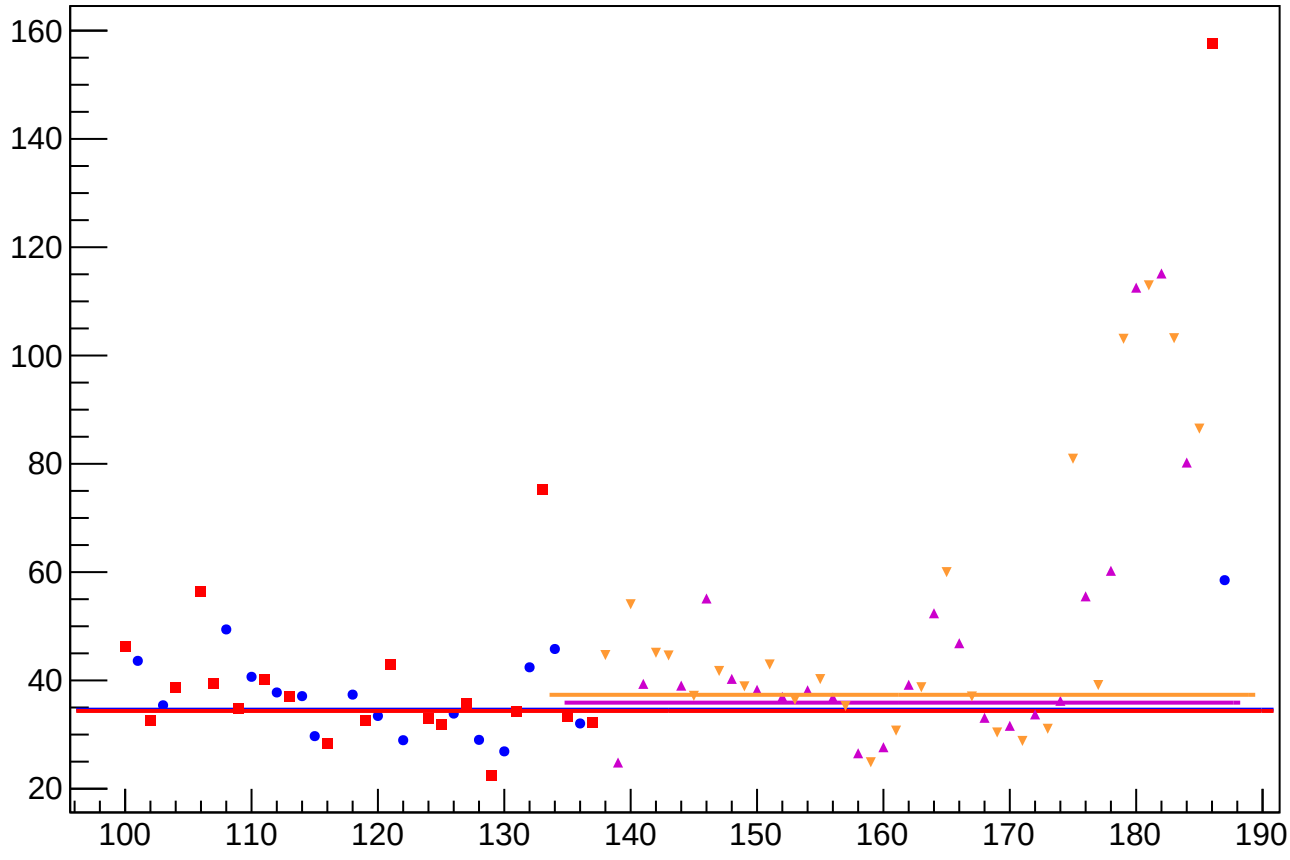
Right Out: 0.010+/-0.013 χ^2/NDF: 15.1/19

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.008+/-0.008 χ^2/NDF: 49.4/41

All: 0.004+/-0.005 χ^2/NDF: 95.4/84

- sign 0.001+/-0.008 χ^2/NDF: 45.7/42



Right In: 34.597+/-0.009 χ^2/NDF: 426139.8/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

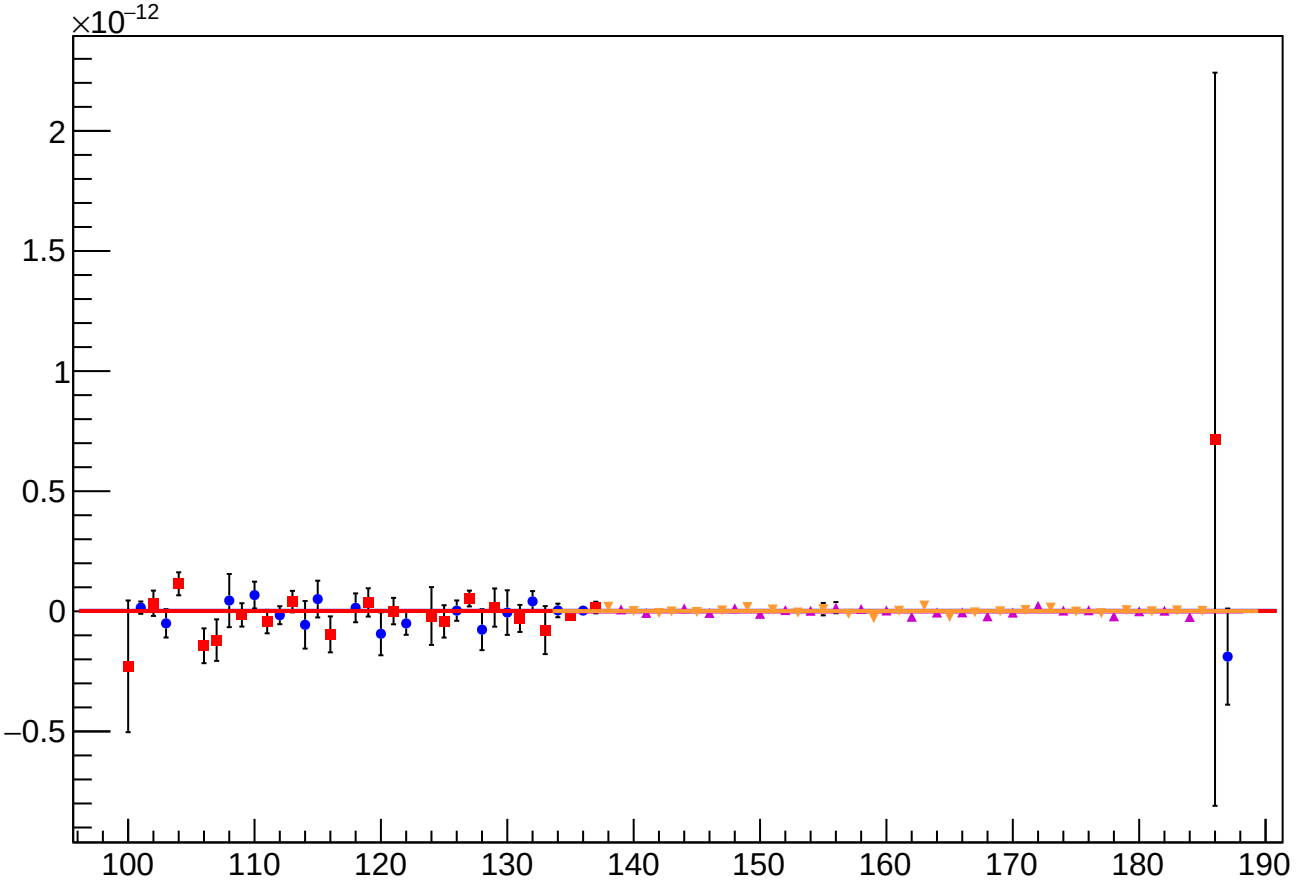
Right Out: 34.363+/-0.009 χ^2/NDF: 1089964.8/19

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.451+/-0.005 χ^2/NDF: 4180089.3/41

All: 35.918+/-0.004 χ^2/NDF: 8445994.5/84

- sign 35.397+/-0.005 χ^2/NDF: 4246516.4/42



Right In: 0.000+/-0.000 χ^2/NDF: 8.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

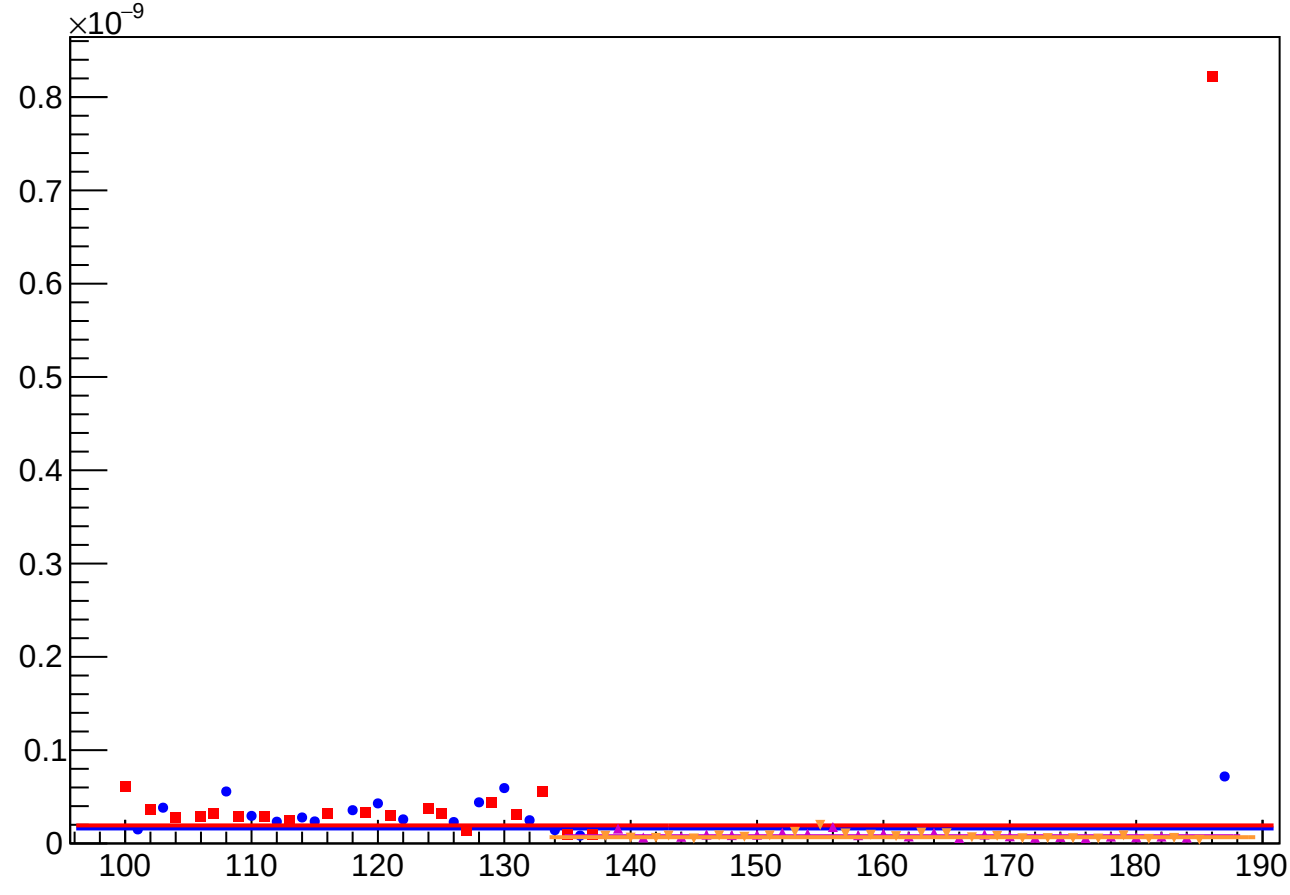
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/19

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.0/41

All: 0.000+/-0.000 χ^2/NDF: 81.3/84

- sign -0.000+/-0.000 χ^2/NDF: 51.0/42



Right In: 0.000+/-0.000 χ^2/NDF: 2977507.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2994556.9/19

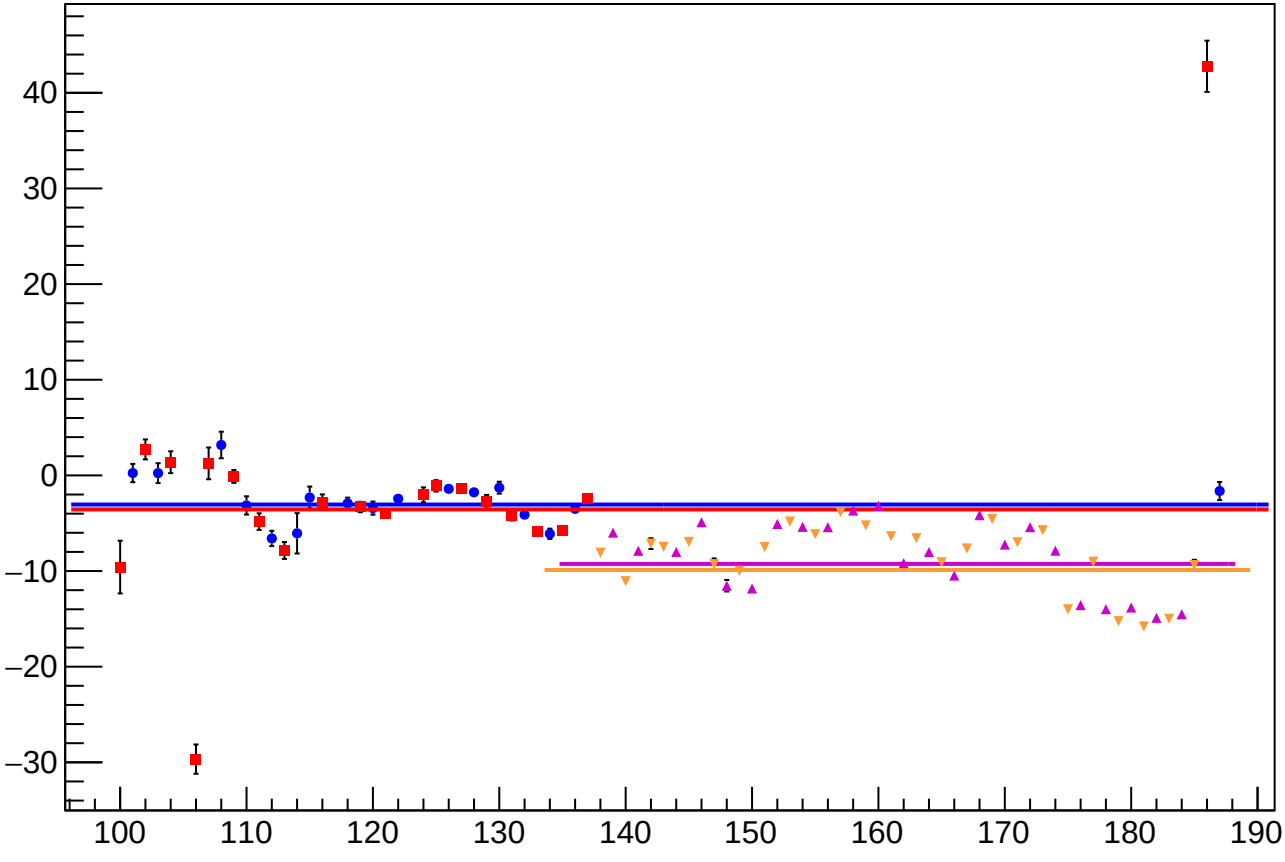
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7367656.0/41

All: 0.000+/-0.000 χ^2/NDF: 14691057.0/84

- sign 0.000+/-0.000 χ^2/NDF: 7023983.3/42

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -3.048+/-0.134 χ^2/NDF: 136.1/16

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -3.560+/-0.140 χ^2/NDF: 834.4/19

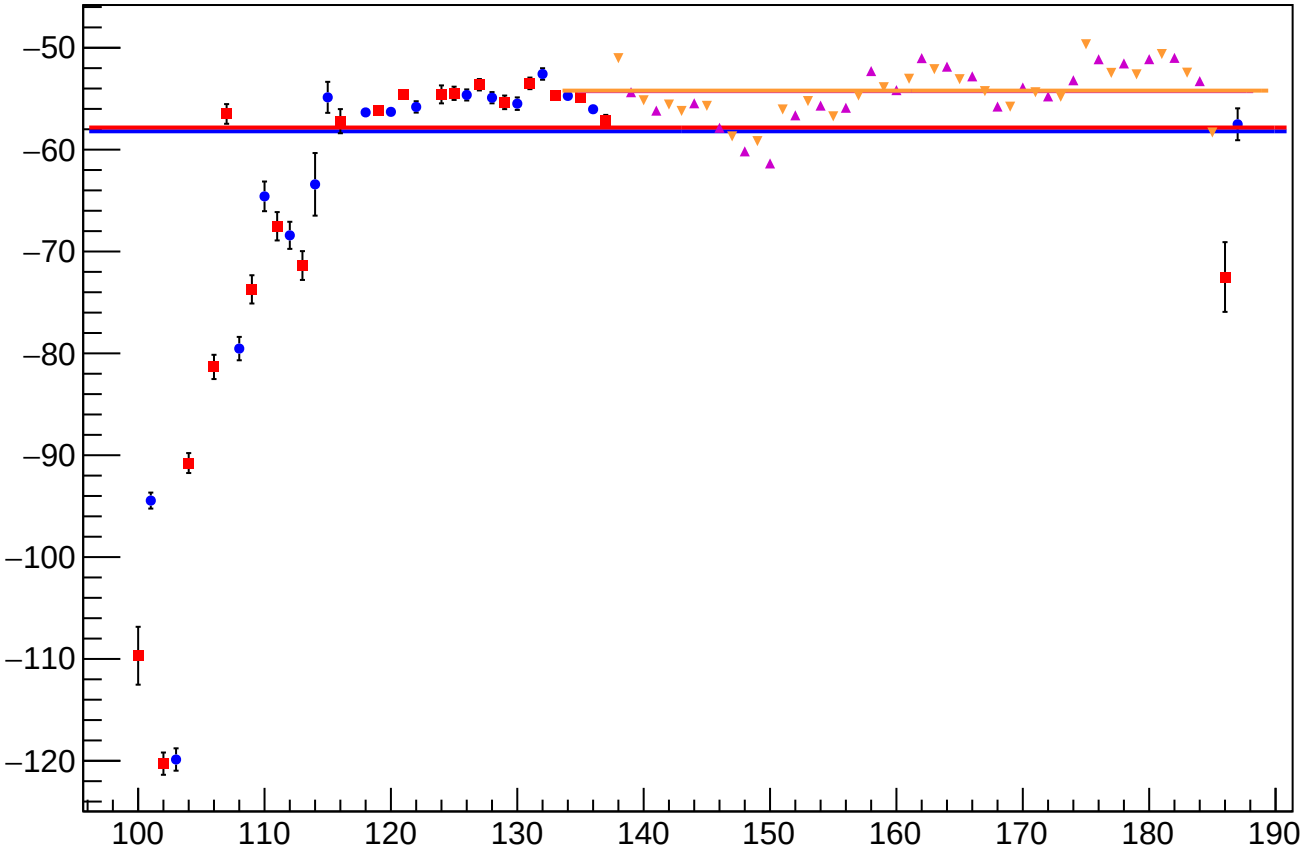
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.433+/-0.062 χ^2/NDF: 5398.2/41

All: -8.259+/-0.044 χ^2/NDF: 10627.9/84

- sign -8.073+/-0.064 χ^2/NDF: 5213.3/42

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.199+/-0.135 χ^2/NDF: 6127.1/16

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -57.828+/-0.138 χ^2/NDF: 5811.1/19

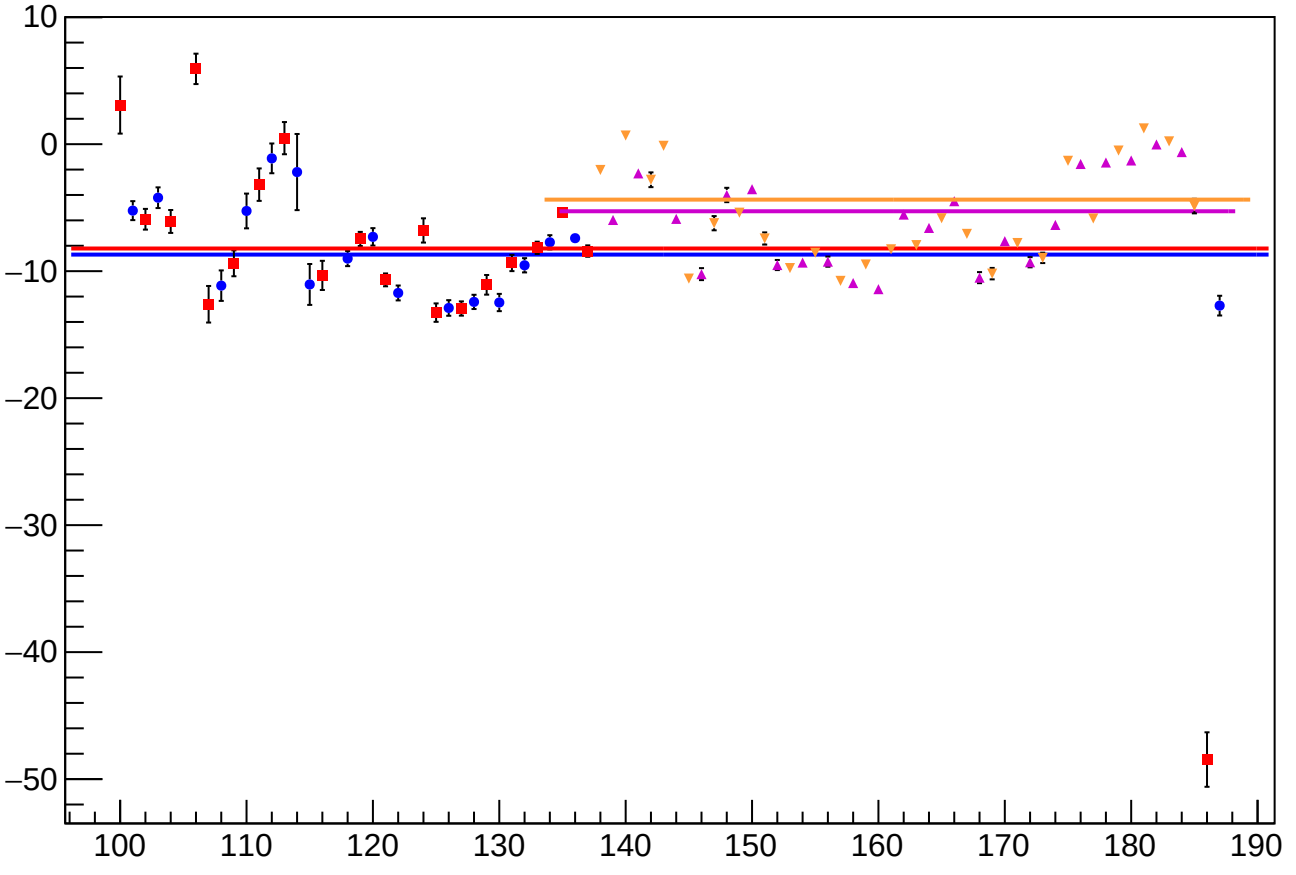
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.789+/-0.052 χ^2/NDF: 8731.2/41

All: -54.792+/-0.037 χ^2/NDF: 17597.8/84

- sign -54.796+/-0.054 χ^2/NDF: 8866.6/42

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -8.695+/-0.142 χ^2/NDF: 328.4/16

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -8.216+/-0.153 χ^2/NDF: 843.0/19

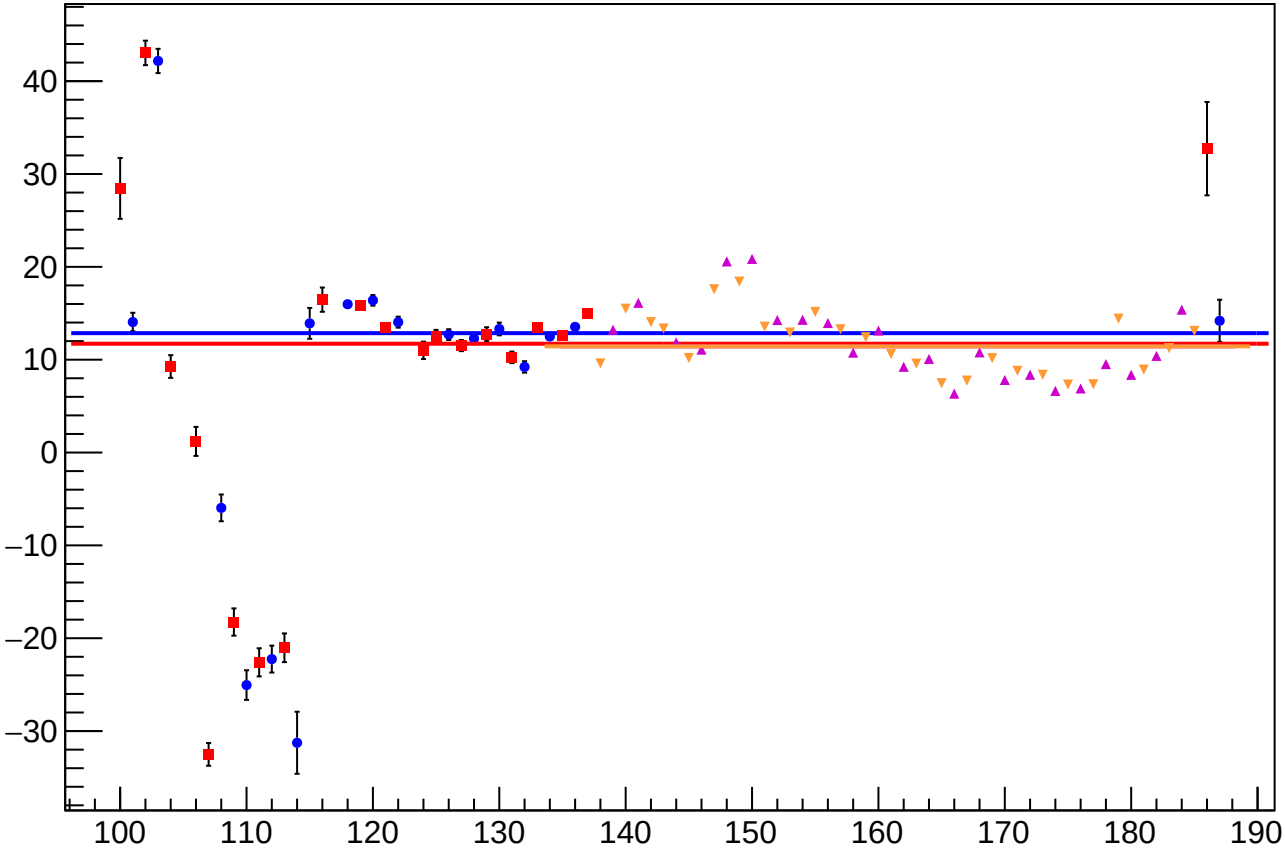
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -5.195+/-0.062 χ^2/NDF: 4778.1/41

All: -5.490+/-0.045 χ^2/NDF: 8721.4/84

- sign -5.806+/-0.064 χ^2/NDF: 3896.9/42

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.859+/-0.150 χ^2/NDF: 2128.8/16

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 11.719+/-0.155 χ^2/NDF: 3516.3/19

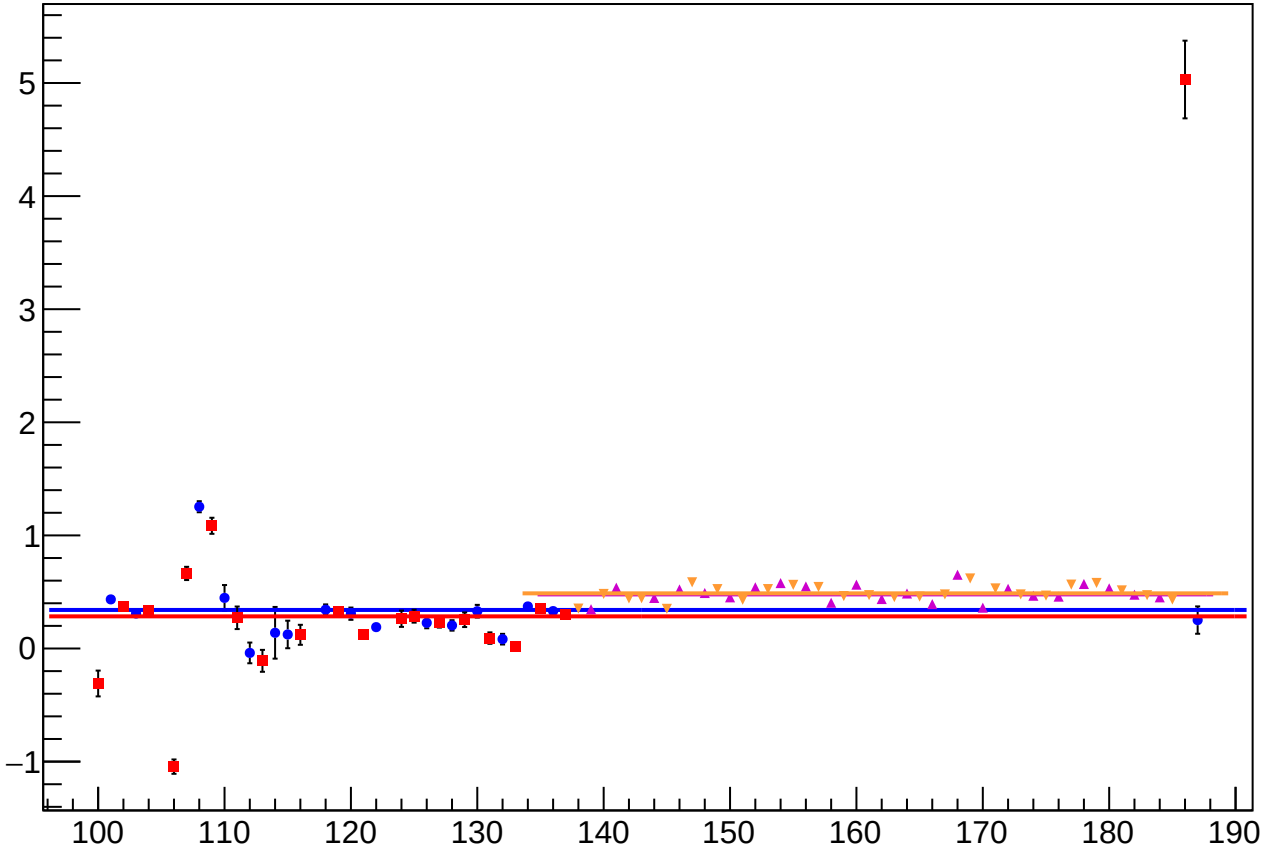
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 11.645+/-0.057 χ^2/NDF: 4641.1/41

All: 11.566+/-0.041 χ^2/NDF: 11522.4/84

- sign 11.482+/-0.059 χ^2/NDF: 6877.4/42

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.341+/-0.008 χ^2/NDF: 435.3/16

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.284+/-0.008 χ^2/NDF: 968.7/19

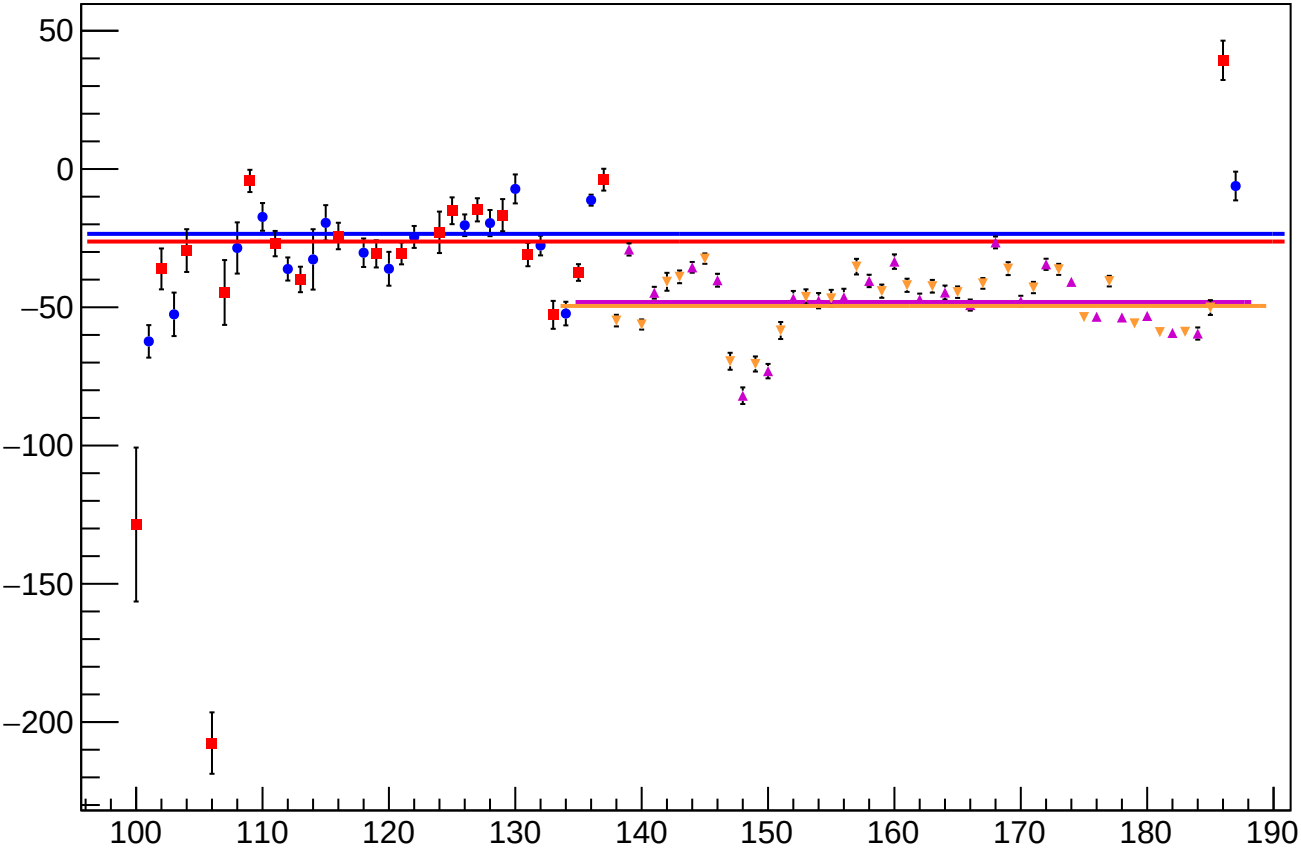
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.472+/-0.003 χ^2/NDF: 1286.4/41

All: 0.466+/-0.002 χ^2/NDF: 3539.3/84

- sign 0.460+/-0.003 χ^2/NDF: 2242.0/42

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -23.448+/-1.063 χ^2/NDF: 182.3/16

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -26.229+/-1.123 χ^2/NDF: 500.6/19

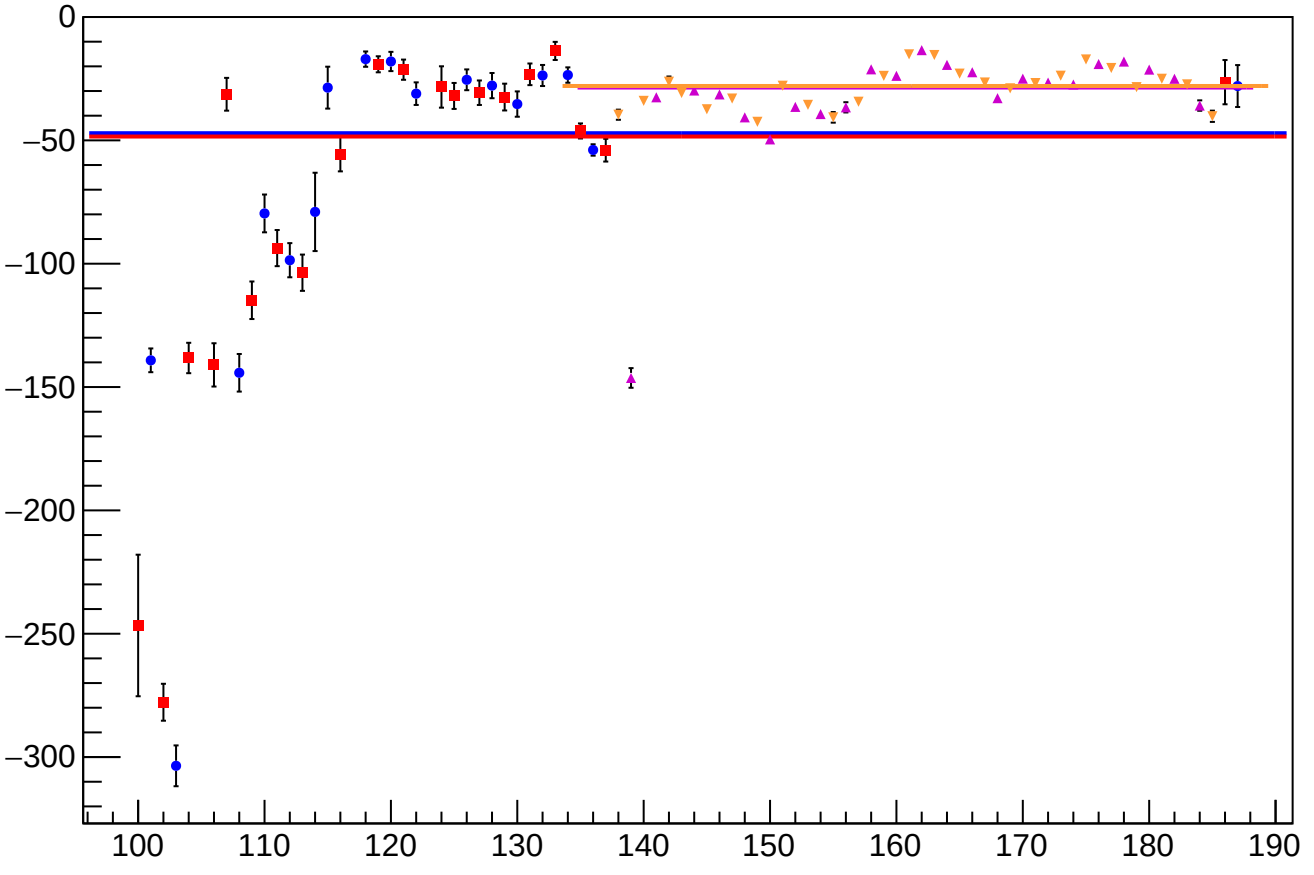
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.251+/-0.376 χ^2/NDF: 1284.4/41

All: -45.853+/-0.272 χ^2/NDF: 2826.3/84

- sign -45.420+/-0.392 χ^2/NDF: 1539.6/42

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -47.100+/-1.092 χ^2/NDF: 1878.6/16

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -48.448+/-1.172 χ^2/NDF: 1780.8/19

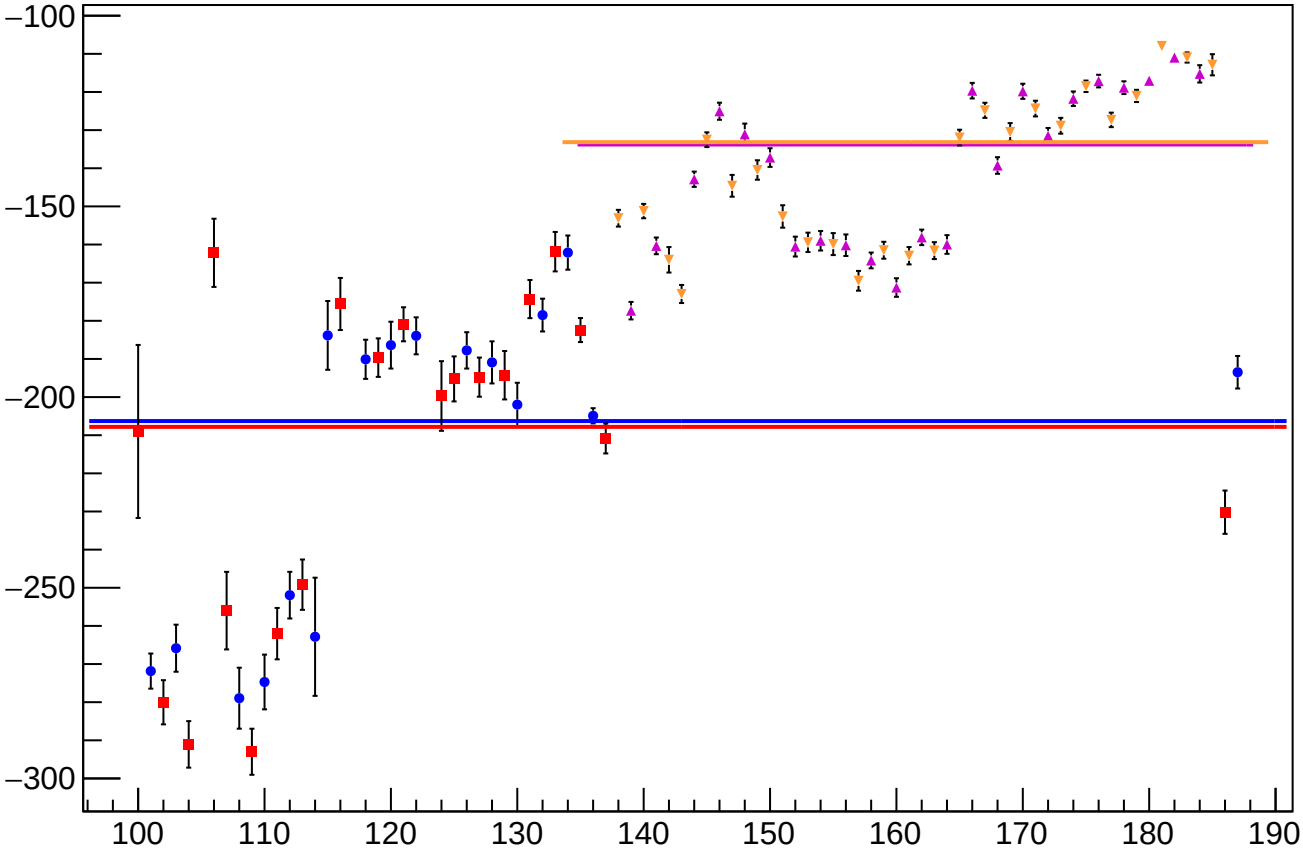
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

+ sign -29.481+/-0.308 χ^2/NDF: 2659.2/41

All: -29.768+/-0.222 χ^2/NDF: 6187.8/84

- sign -30.080+/-0.321 χ^2/NDF: 3526.8/42

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -206.290+/-1.136 χ^2/NDF: 758.2/16

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -207.810+/-1.248 χ^2/NDF: 985.8/19

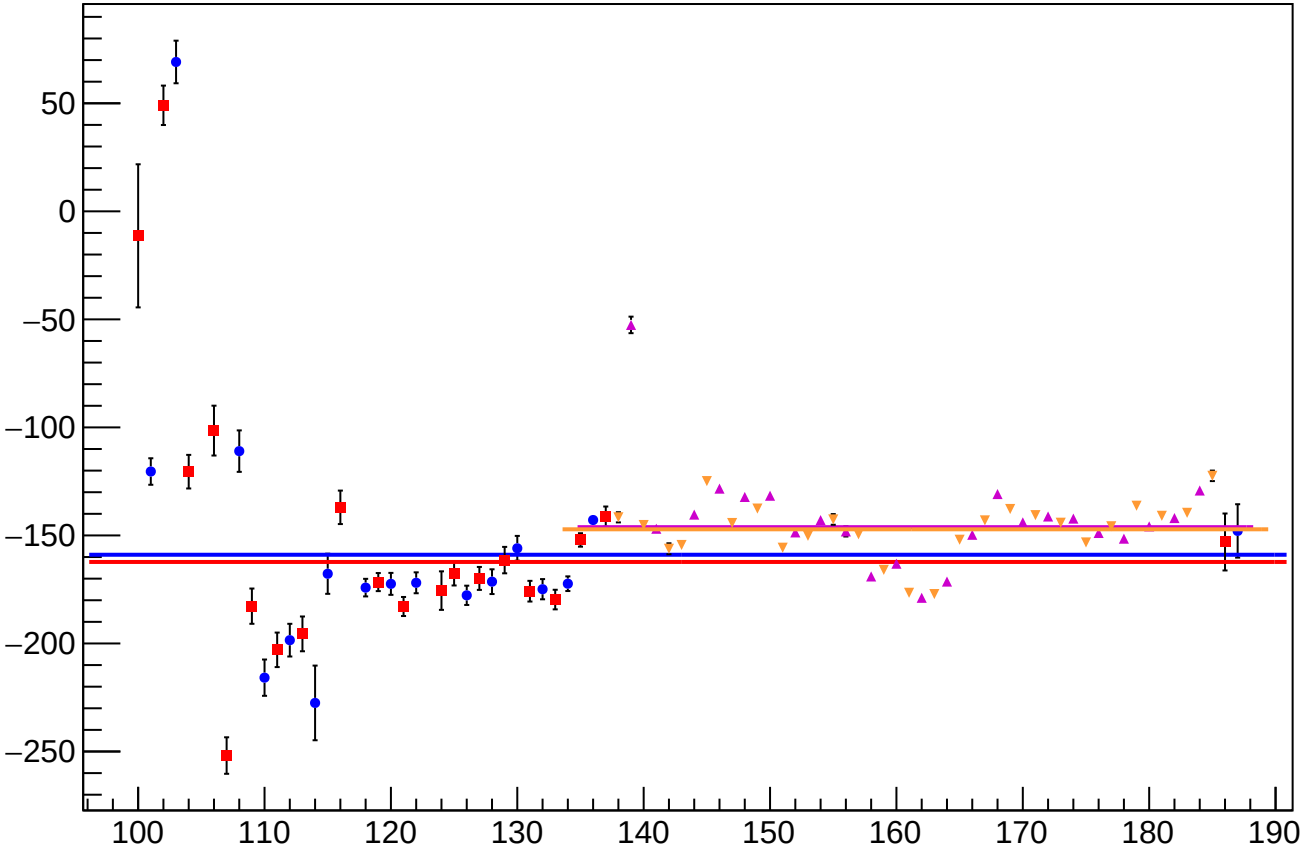
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.329+/-0.380 χ^2/NDF: 6971.4/41

All: -141.272+/-0.274 χ^2/NDF: 13562.8/84

- sign -141.210+/-0.395 χ^2/NDF: 6591.4/42

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -158.940+/-1.219 χ^2/NDF: 816.6/16

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -162.276+/-1.317 χ^2/NDF: 873.1/19

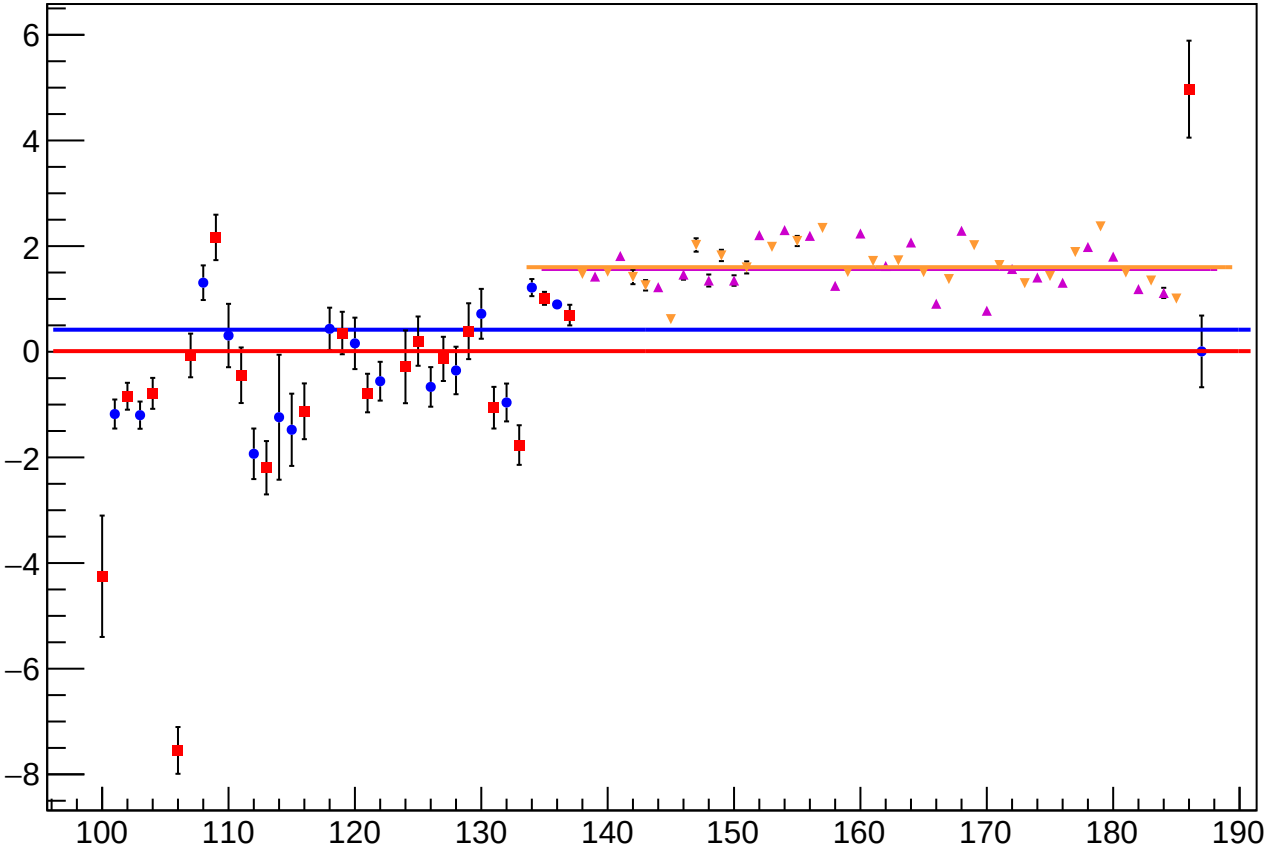
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -148.101+/-0.344 χ^2/NDF: 2148.0/41

All: -147.741+/-0.247 χ^2/NDF: 4955.6/84

- sign -147.354+/-0.357 χ^2/NDF: 2805.3/42

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.418+/-0.065 χ^2/NDF: 198.0/16

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.012+/-0.072 χ^2/NDF: 517.6/19

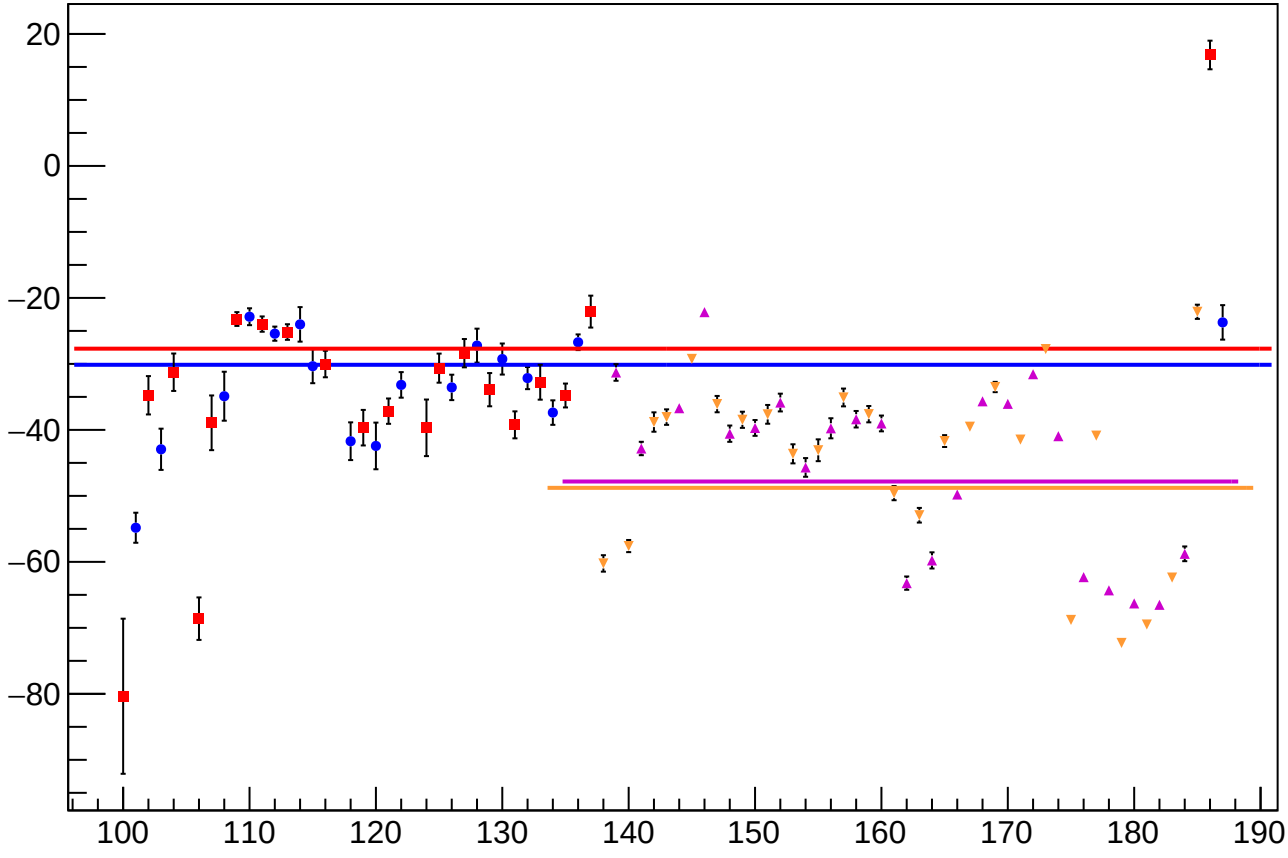
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.533+/-0.016 χ^2/NDF: 1096.7/41

All: 1.512+/-0.011 χ^2/NDF: 2795.6/84

- sign 1.491+/-0.016 χ^2/NDF: 1695.4/42

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -30.135+/-0.461 χ^2/NDF: 259.8/16

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -27.692+/-0.441 χ^2/NDF: 768.7/19

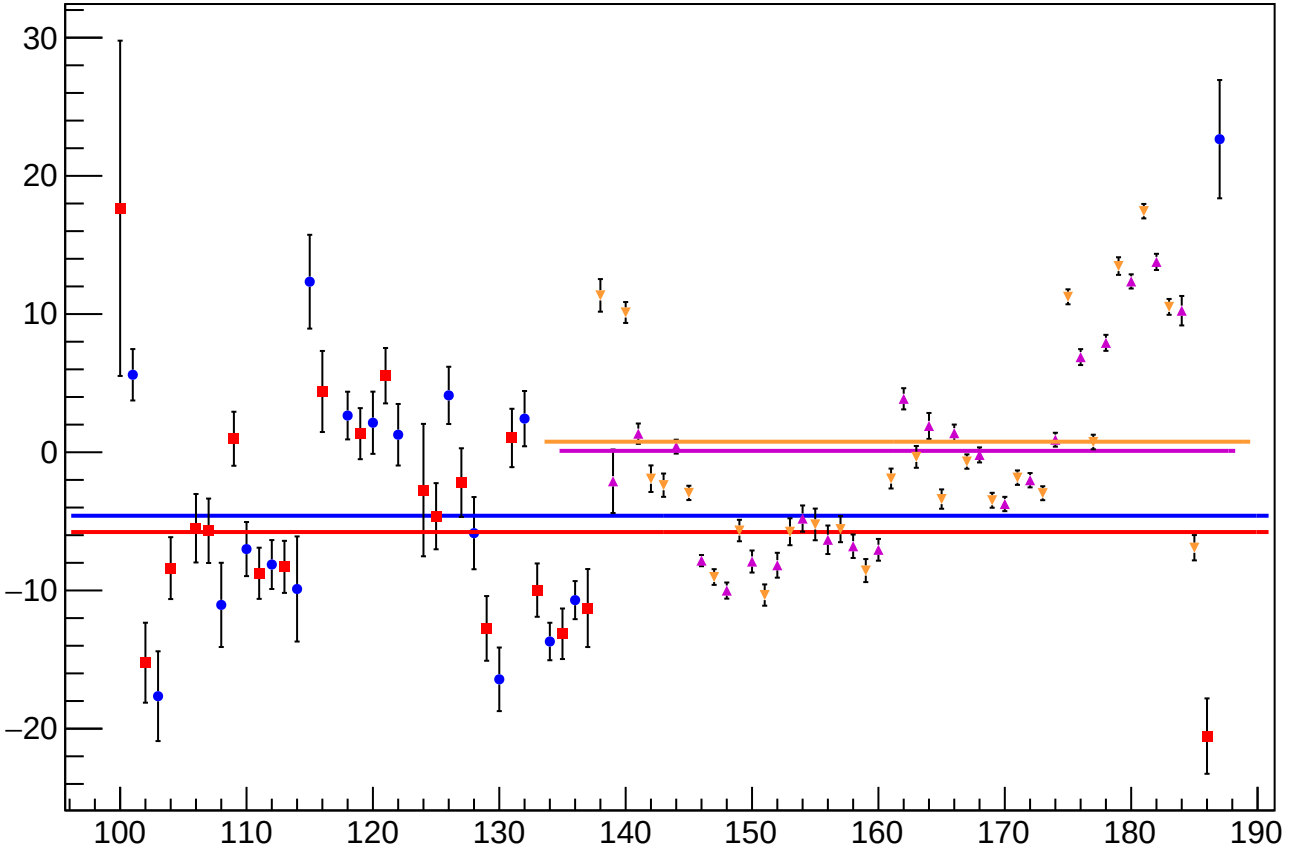
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.621+/-0.157 χ^2/NDF: 10663.2/41

All: -45.928+/-0.112 χ^2/NDF: 20508.3/84

- sign -45.219+/-0.159 χ^2/NDF: 9805.5/42

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.593+/-0.506 χ^2/NDF: 278.4/16

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.772+/-0.514 χ^2/NDF: 166.8/19

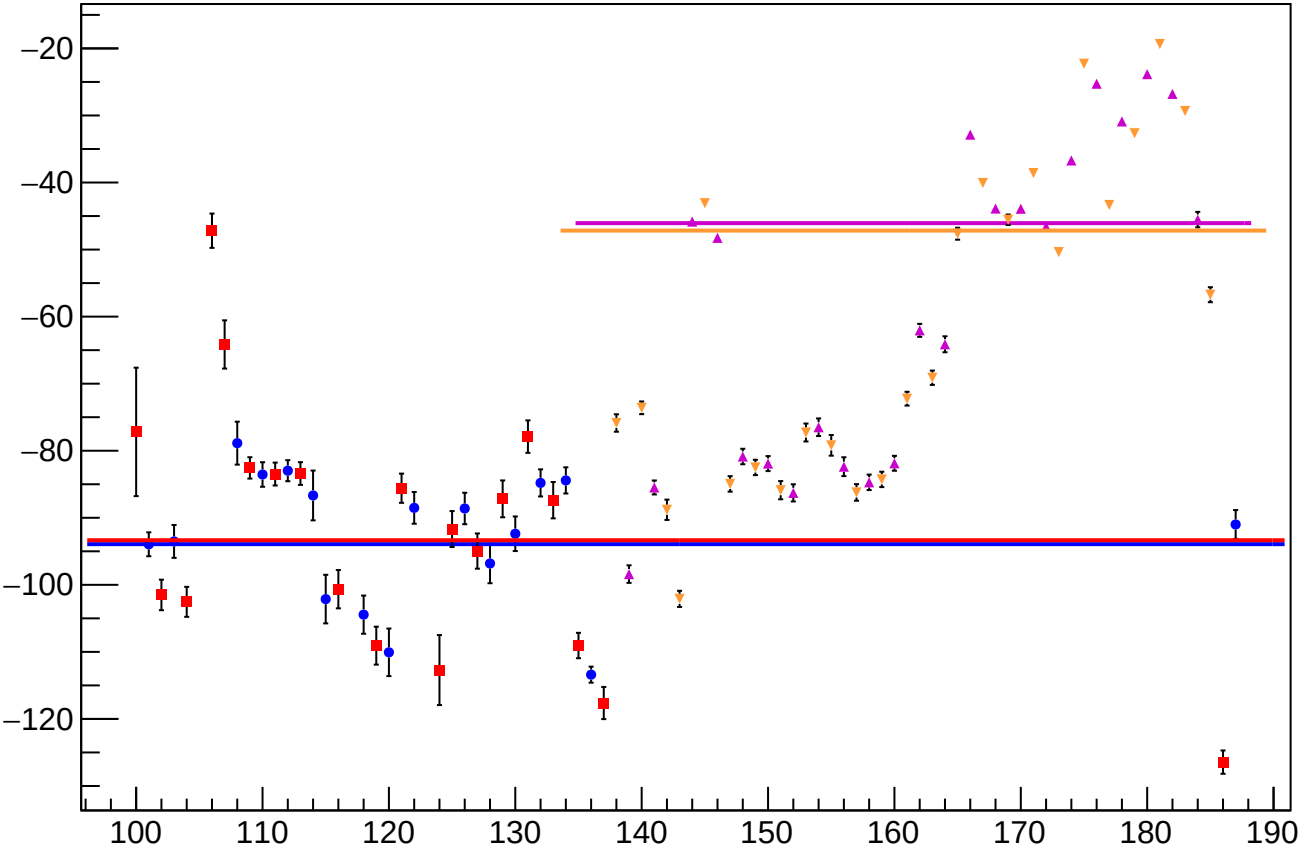
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.422+/-0.128 χ^2/NDF: 3850.7/41

All: 0.080+/-0.091 χ^2/NDF: 6876.0/84

- sign -0.266+/-0.129 χ^2/NDF: 3011.0/42

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -93.932+/-0.521 χ^2/NDF: 468.8/16

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -93.350+/-0.518 χ^2/NDF: 1186.5/19

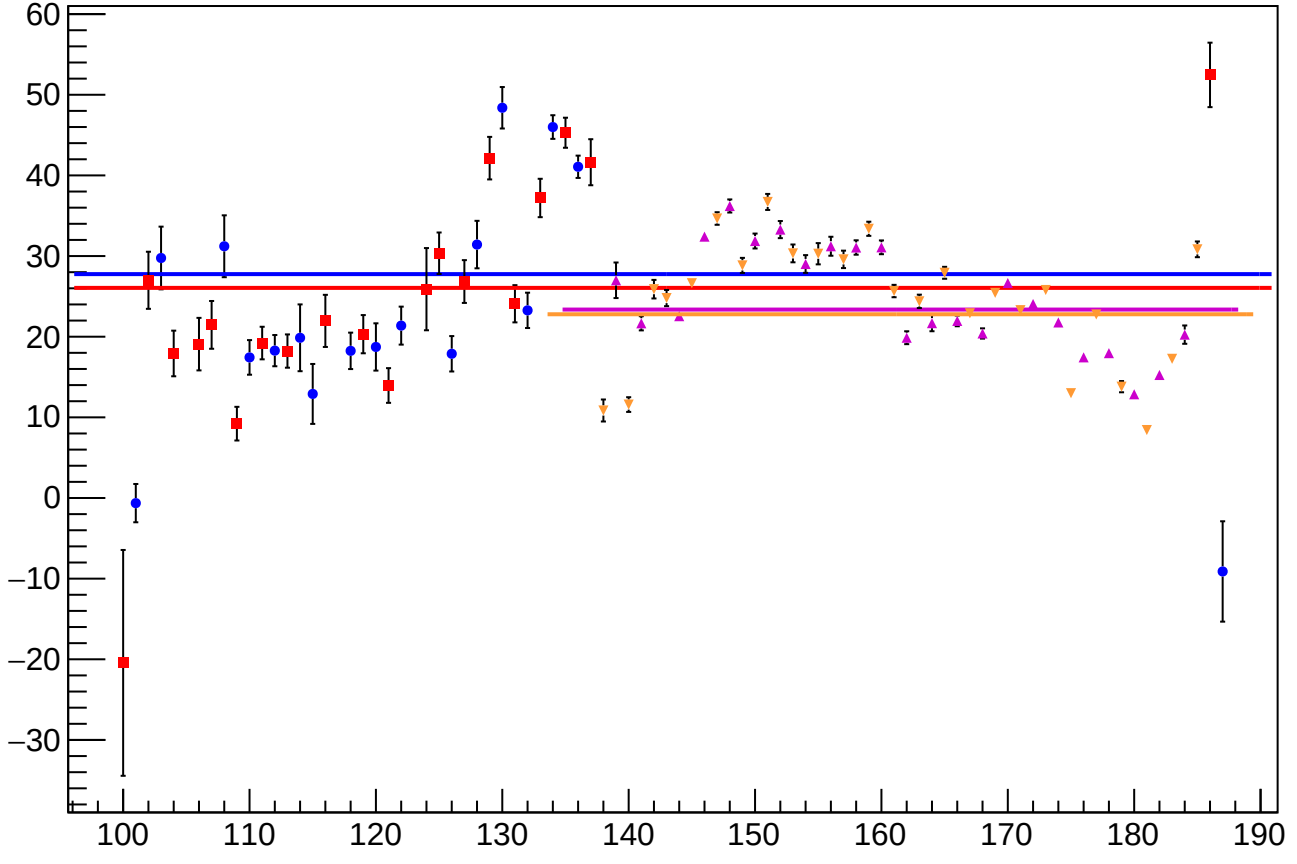
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

\+ sign -51.550+/-0.159 χ^2/NDF: 25429.0/41

All: -51.111+/-0.114 χ^2/NDF: 48916.7/84

\- sign -50.660+/-0.162 χ^2/NDF: 23472.4/42

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 27.760+/-0.567 χ^2/NDF: 618.5/16

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 26.053+/-0.584 χ^2/NDF: 399.2/19

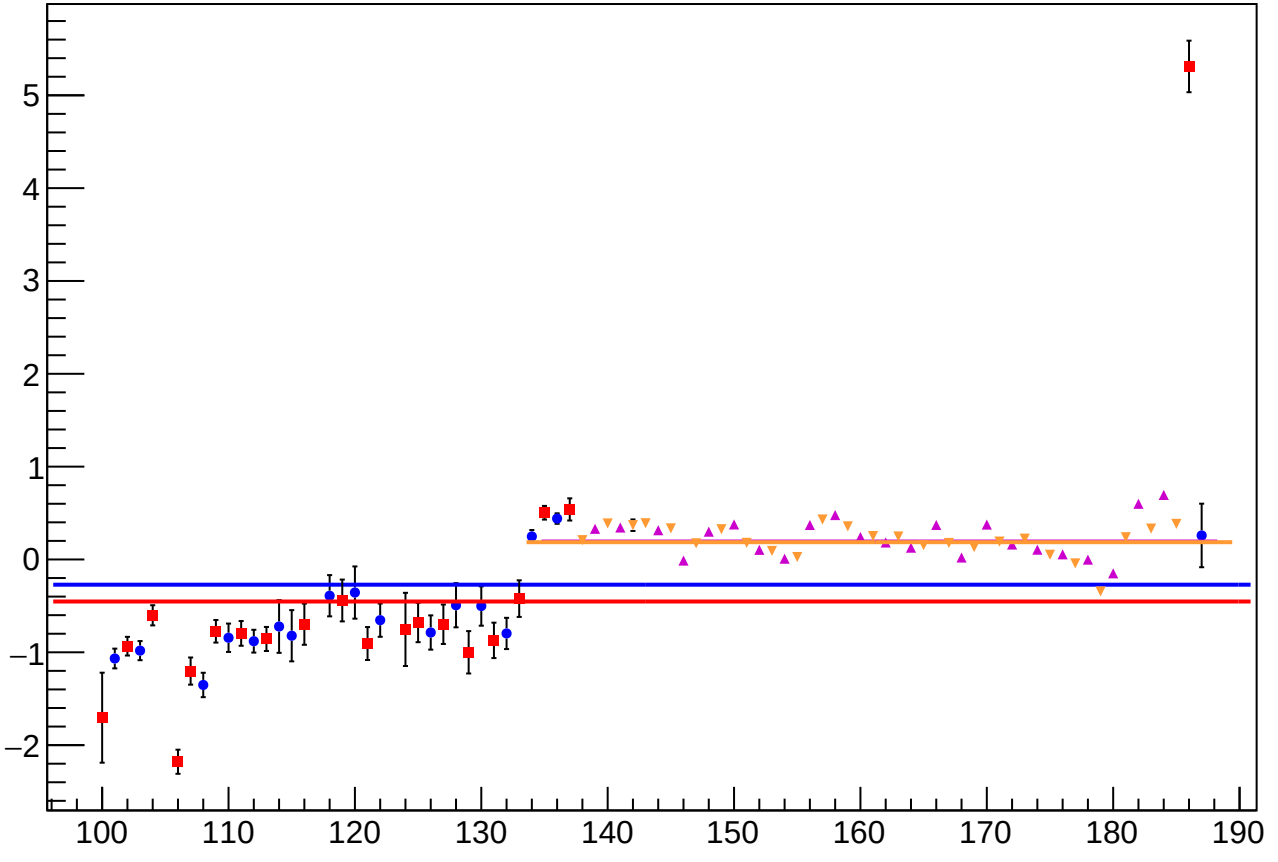
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.097+/-0.143 χ^2/NDF: 3103.8/41

All: 23.311+/-0.101 χ^2/NDF: 5312.8/84

- sign 23.529+/-0.144 χ^2/NDF: 2204.5/42

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.272+/-0.031 χ^2/NDF: 458.0/16

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.453+/-0.033 χ^2/NDF: 947.4/19

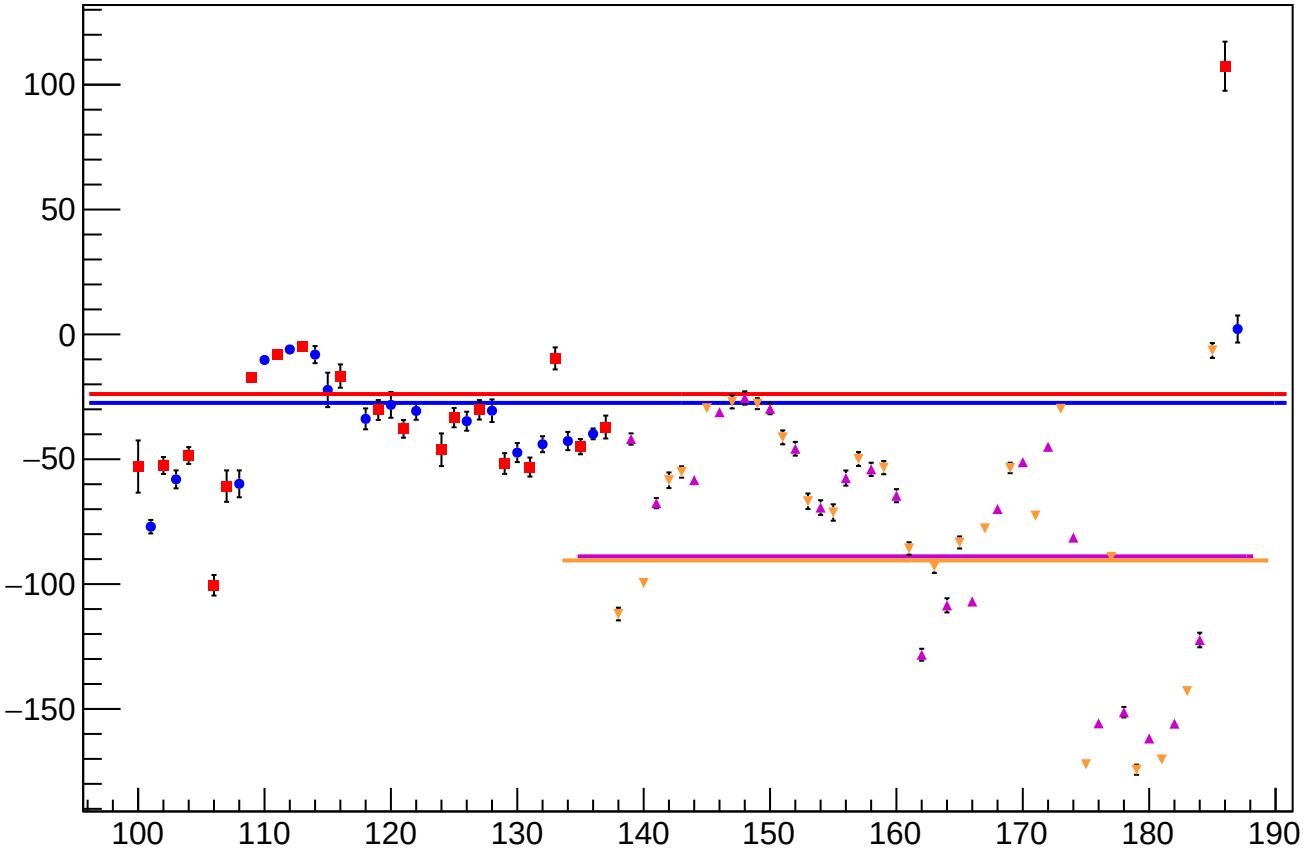
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.166+/-0.006 χ^2/NDF: 1318.9/41

All: 0.167+/-0.005 χ^2/NDF: 3581.1/84

- sign 0.167+/-0.007 χ^2/NDF: 2262.1/42

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -27.434+/-0.721 χ^2/NDF: 925.0/16

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -23.888+/-0.661 χ^2/NDF: 1168.8/19

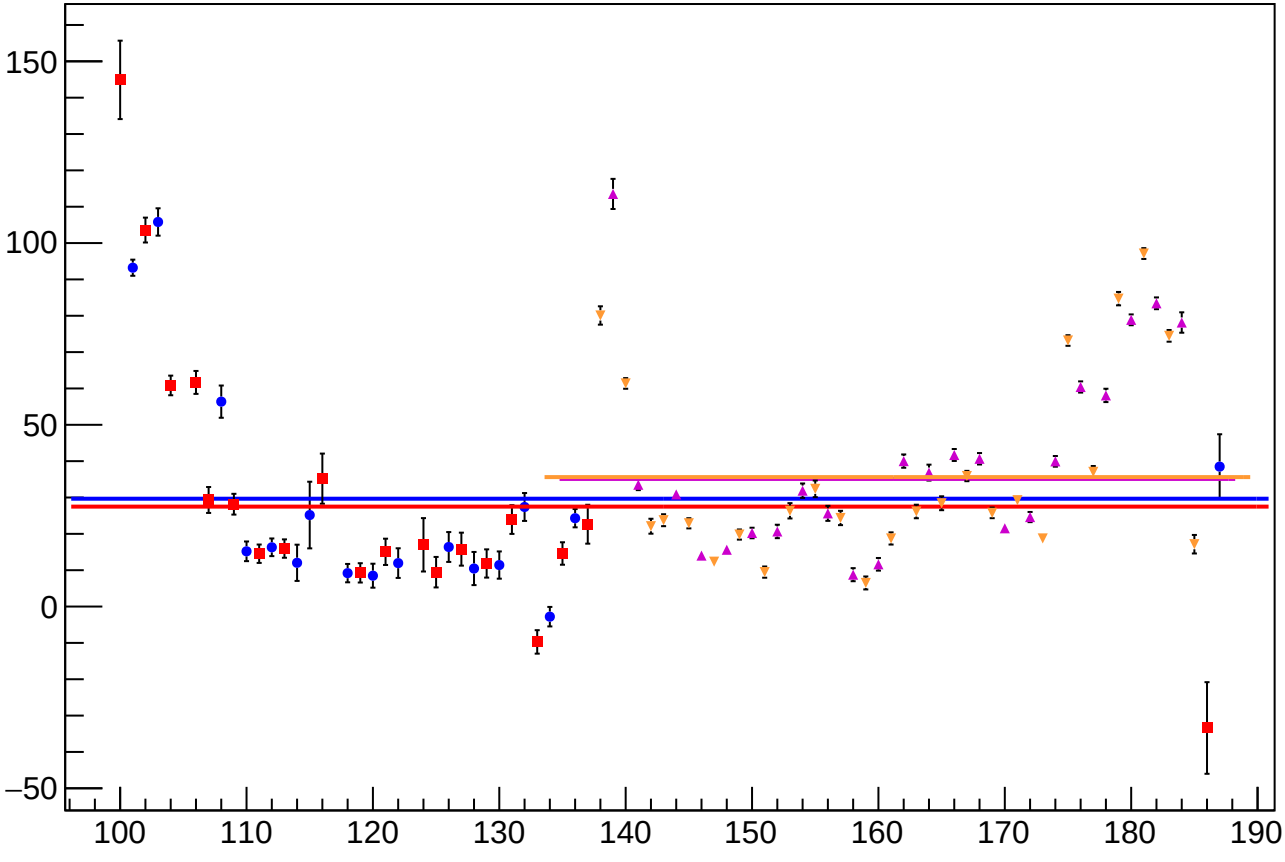
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -74.477+/-0.364 χ^2/NDF: 21992.3/41

All: -71.880+/-0.257 χ^2/NDF: 41825.7/84

- sign -69.291+/-0.363 χ^2/NDF: 19731.6/42

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 29.667+/-0.804 χ^2/NDF: 1666.7/16

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 27.492+/-0.795 χ^2/NDF: 1208.5/19

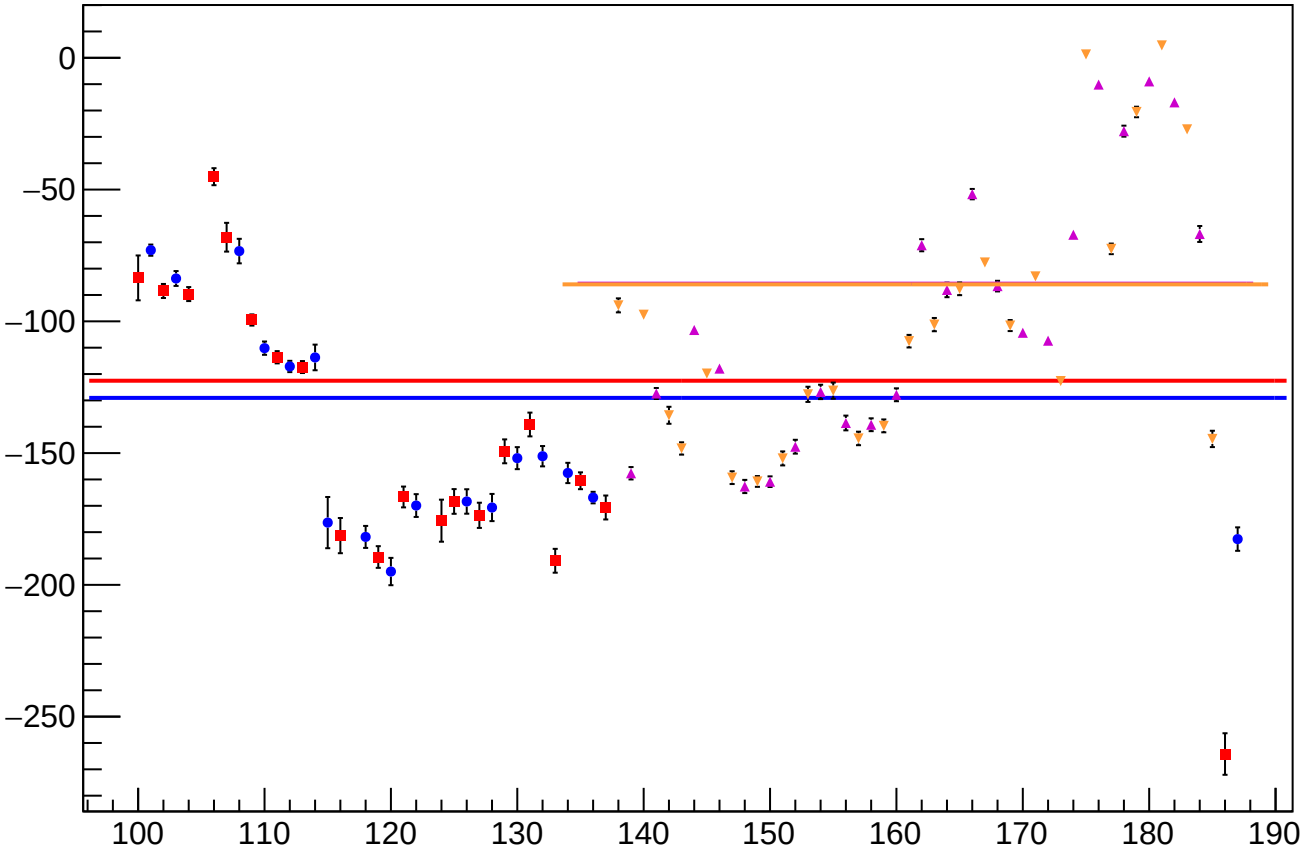
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 34.773+/-0.302 χ^2/NDF: 7686.7/41

All: 34.375+/-0.216 χ^2/NDF: 13121.1/84

- sign 33.956+/-0.310 χ^2/NDF: 5430.8/42

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -129.049+/-0.815 χ^2/NDF: 2328.0/16

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -122.537+/-0.794 χ^2/NDF: 2723.5/19

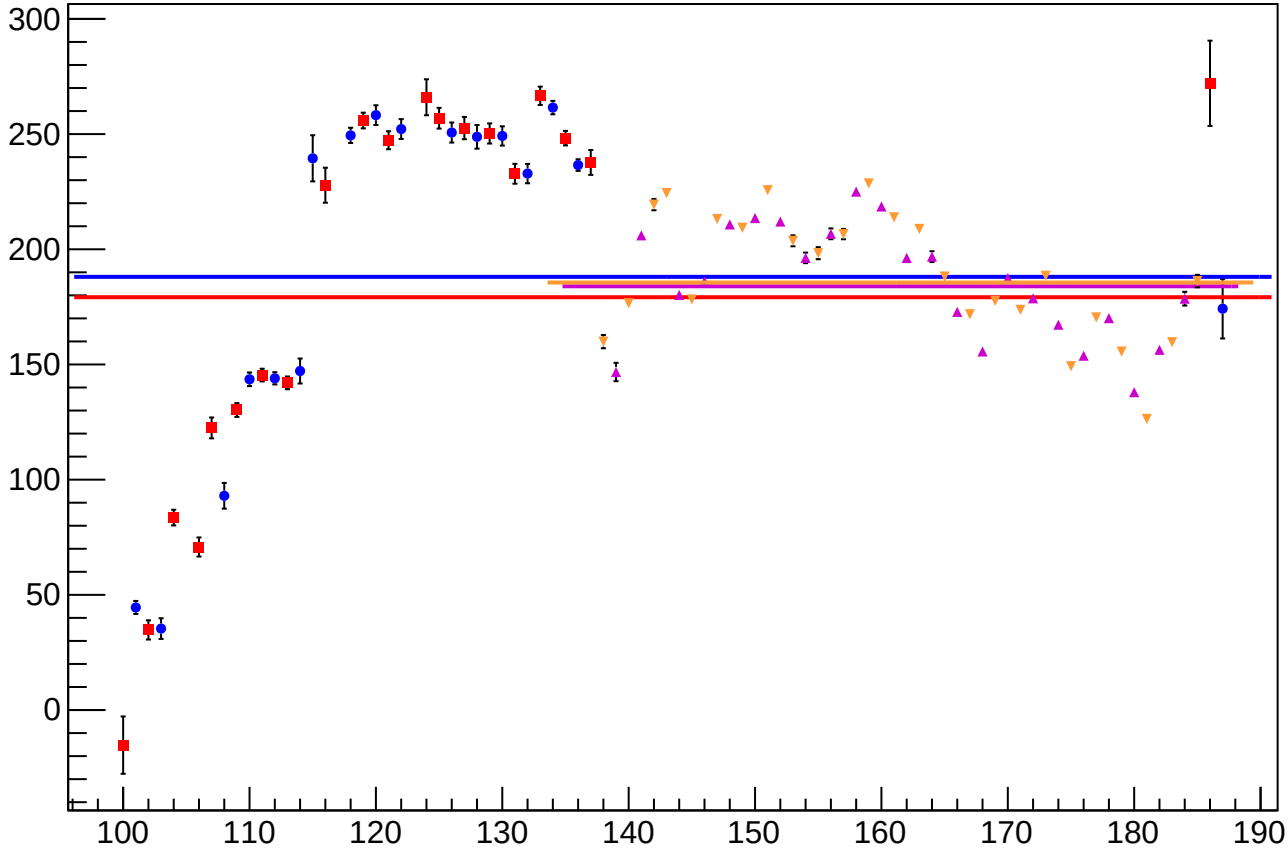
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -95.031+/-0.374 χ^2/NDF: 20765.0/41

All: -94.591+/-0.266 χ^2/NDF: 38910.7/84

- sign -94.138+/-0.380 χ^2/NDF: 18142.9/42

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 188.037+/-0.916 χ^2/NDF: 7119.8/16

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 179.194+/-0.907 χ^2/NDF: 6694.1/19

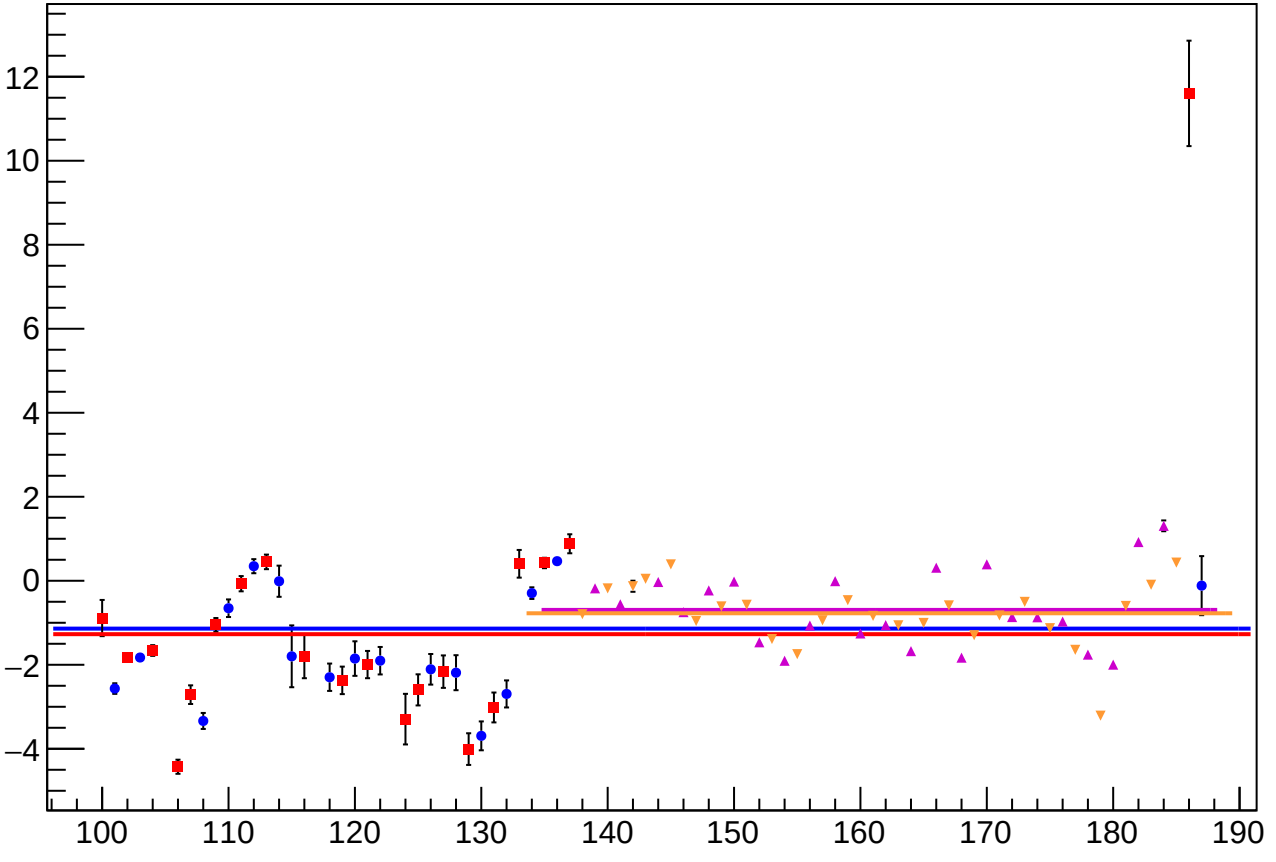
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 185.922+/-0.340 χ^2/NDF: 12480.7/41

All: 184.612+/-0.244 χ^2/NDF: 23101.9/84

- sign 183.239+/-0.349 χ^2/NDF: 10590.9/42

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.139+/-0.048 χ^2/NDF: 789.5/16

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.272+/-0.047 χ^2/NDF: 1103.6/19

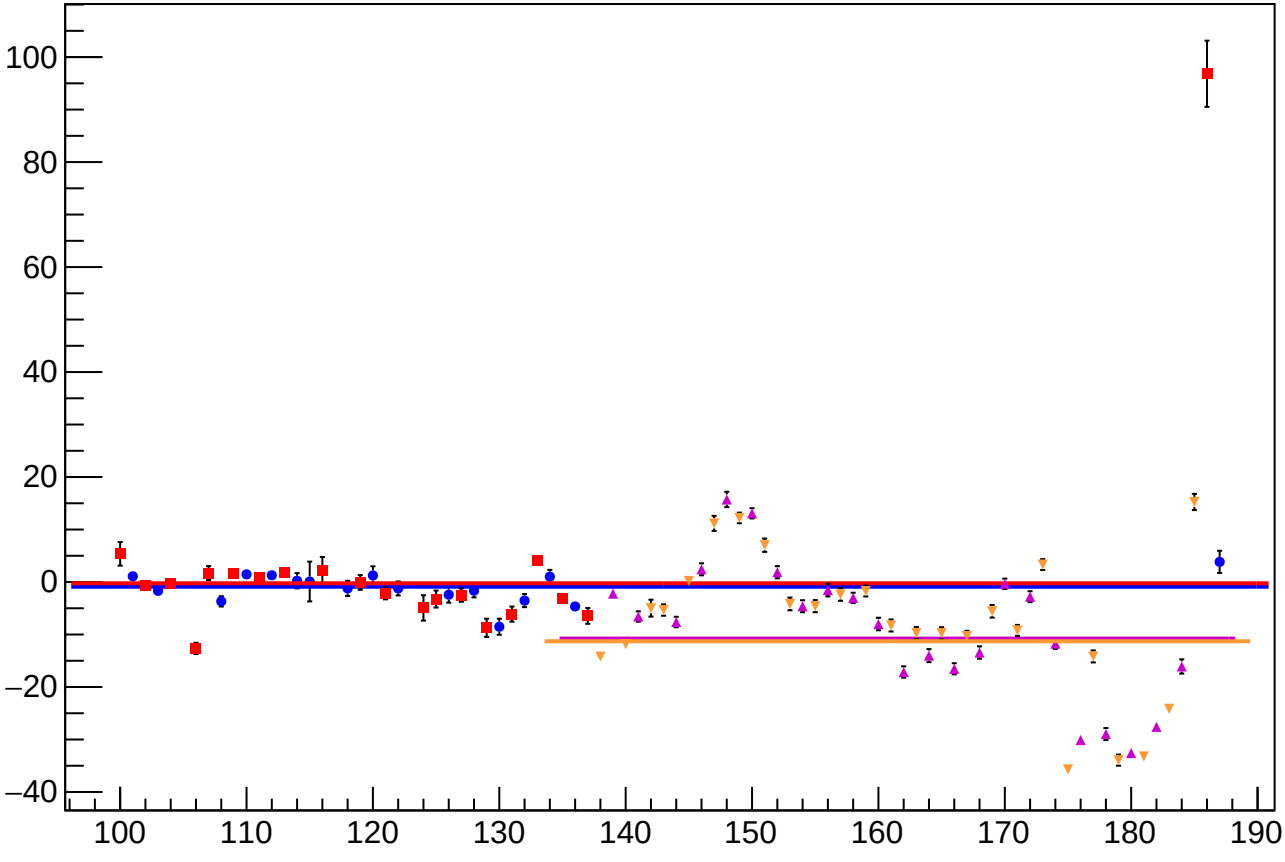
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.812+/-0.016 χ^2/NDF: 2664.4/41

All: -0.786+/-0.011 χ^2/NDF: 6471.4/84

- sign -0.758+/-0.016 χ^2/NDF: 3800.9/42

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -0.896+/-0.251 χ^2/NDF: 108.3/16

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.243+/-0.224 χ^2/NDF: 517.8/19

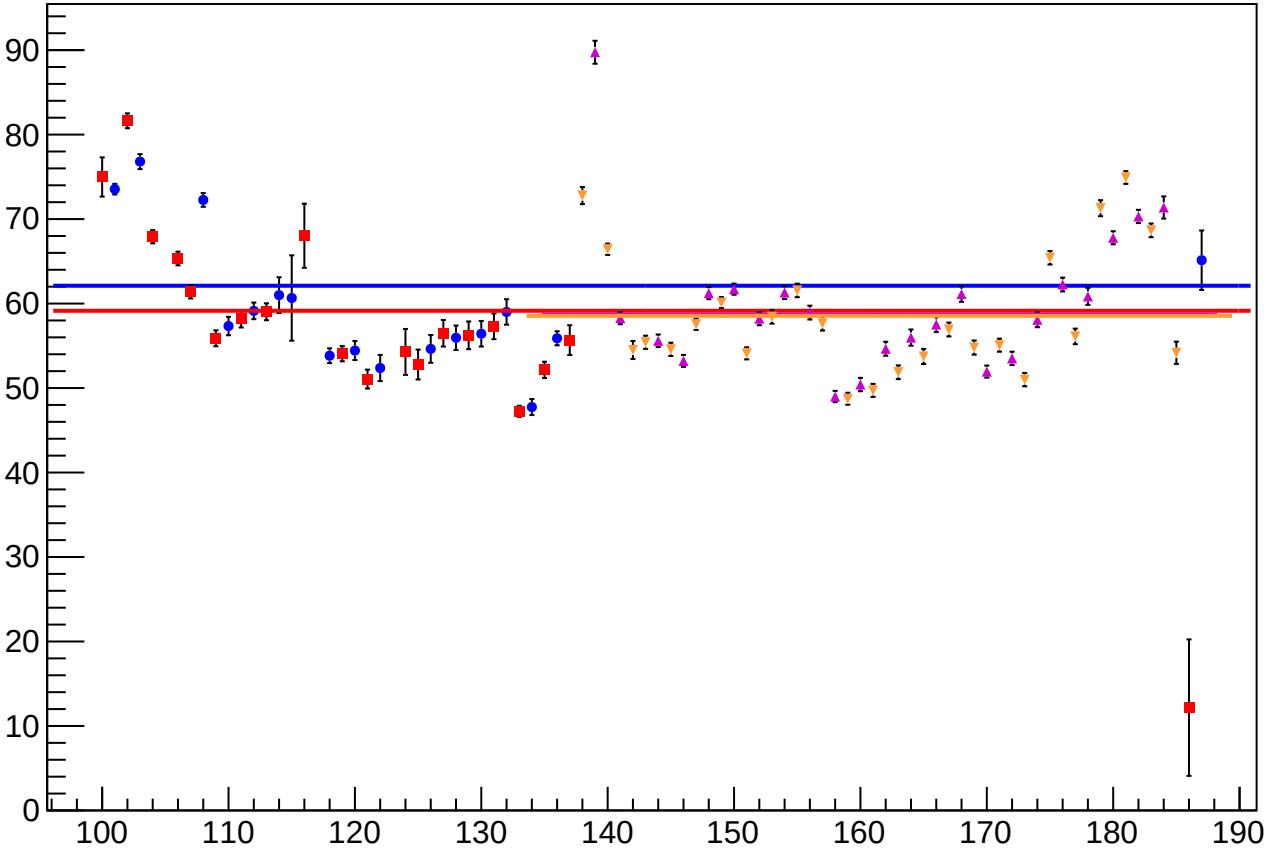
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -7.063+/-0.160 χ^2/NDF: 5622.1/41

All: -6.385+/-0.111 χ^2/NDF: 11035.1/84

- sign -5.756+/-0.154 χ^2/NDF: 5378.5/42

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 62.111+/-0.265 χ^2/NDF: 1302.0/16

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 59.145+/-0.244 χ^2/NDF: 1436.0/19

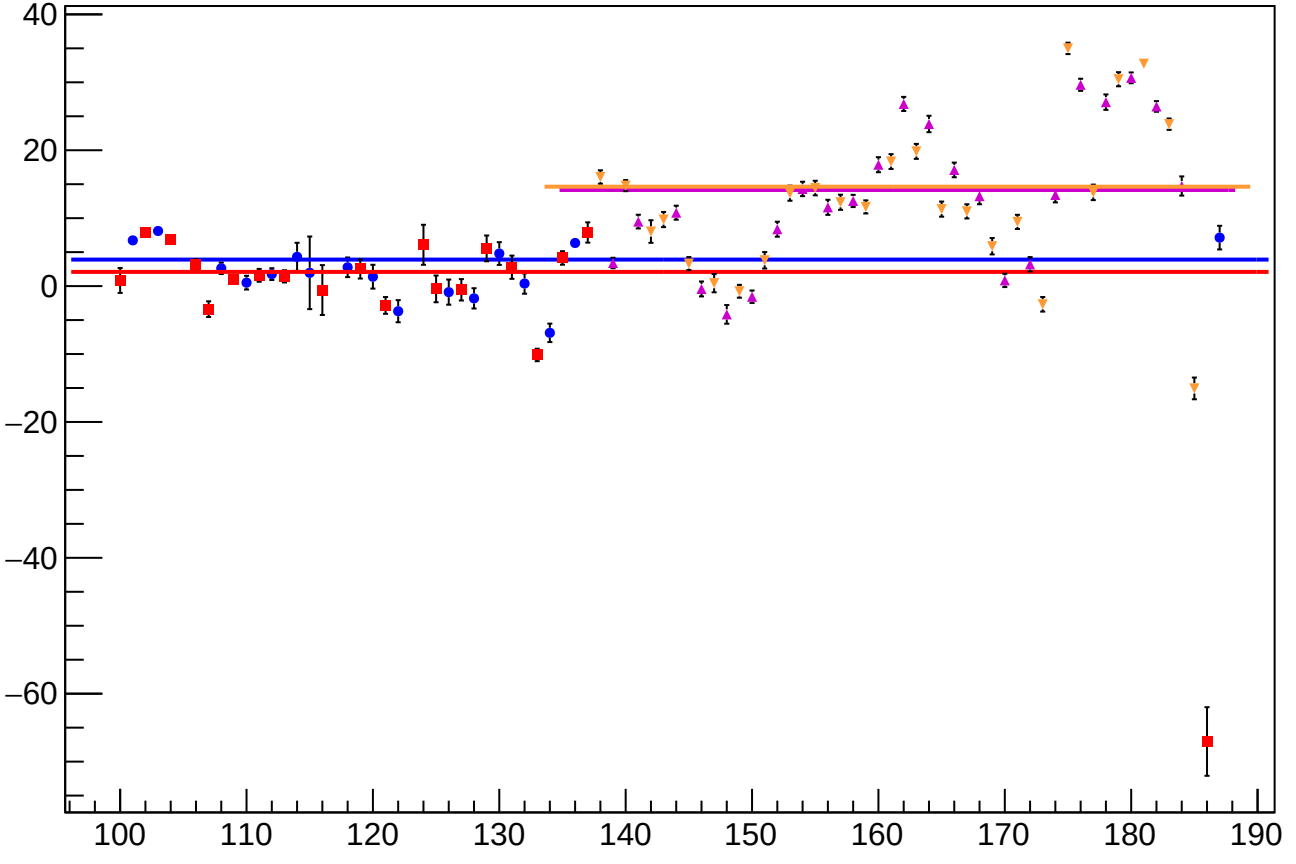
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 59.513+/-0.138 χ^2/NDF: 3336.6/41

All: 59.174+/-0.098 χ^2/NDF: 6400.8/84

- sign 58.829+/-0.139 χ^2/NDF: 3051.9/42

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 3.903+/-0.262 χ^2/NDF: 212.1/16

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 2.092+/-0.246 χ^2/NDF: 559.7/19

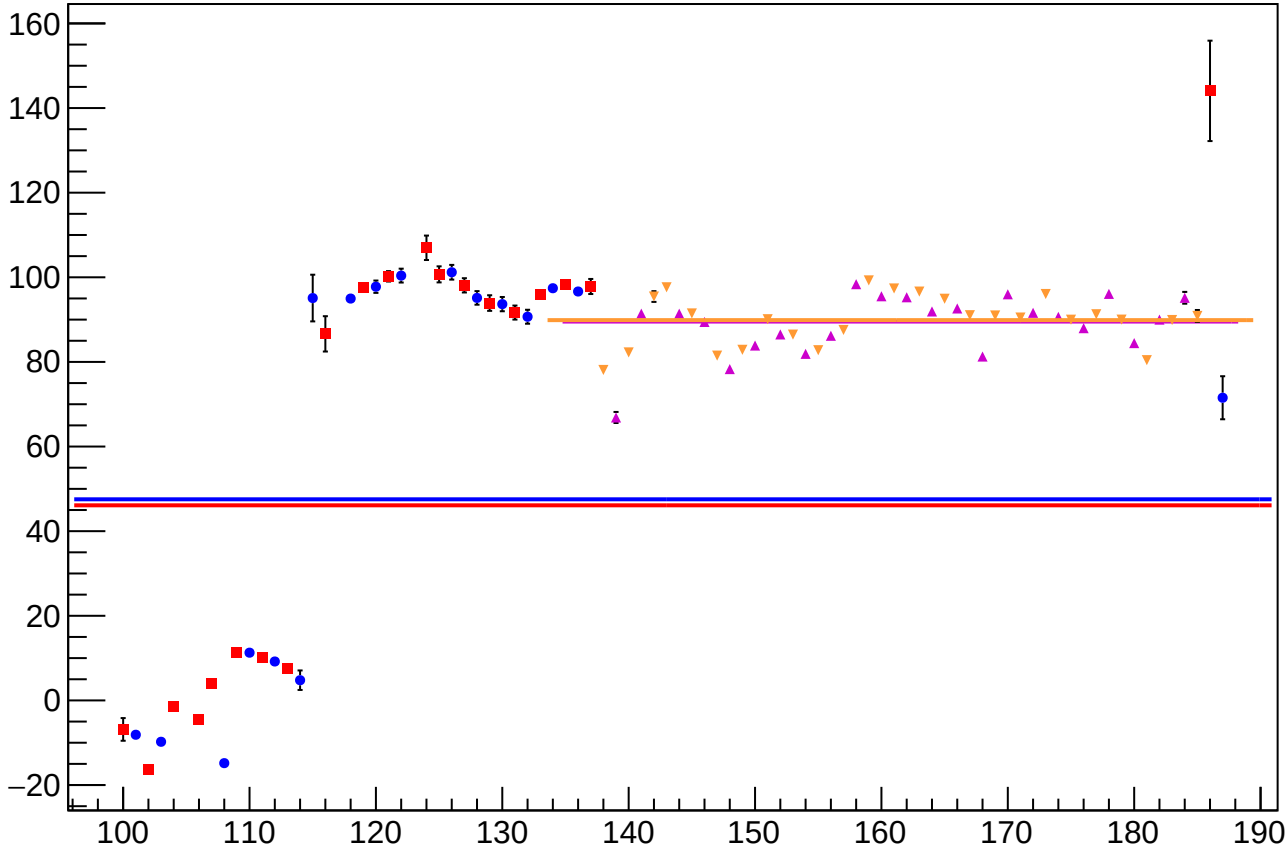
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.522+/-0.162 χ^2/NDF: 4207.0/41

All: 9.769+/-0.114 χ^2/NDF: 8731.2/84

- sign 9.033+/-0.160 χ^2/NDF: 4481.6/42

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 47.531+/-0.307 χ^2/NDF: 26909.2/16

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 46.109+/-0.284 χ^2/NDF: 28966.0/19

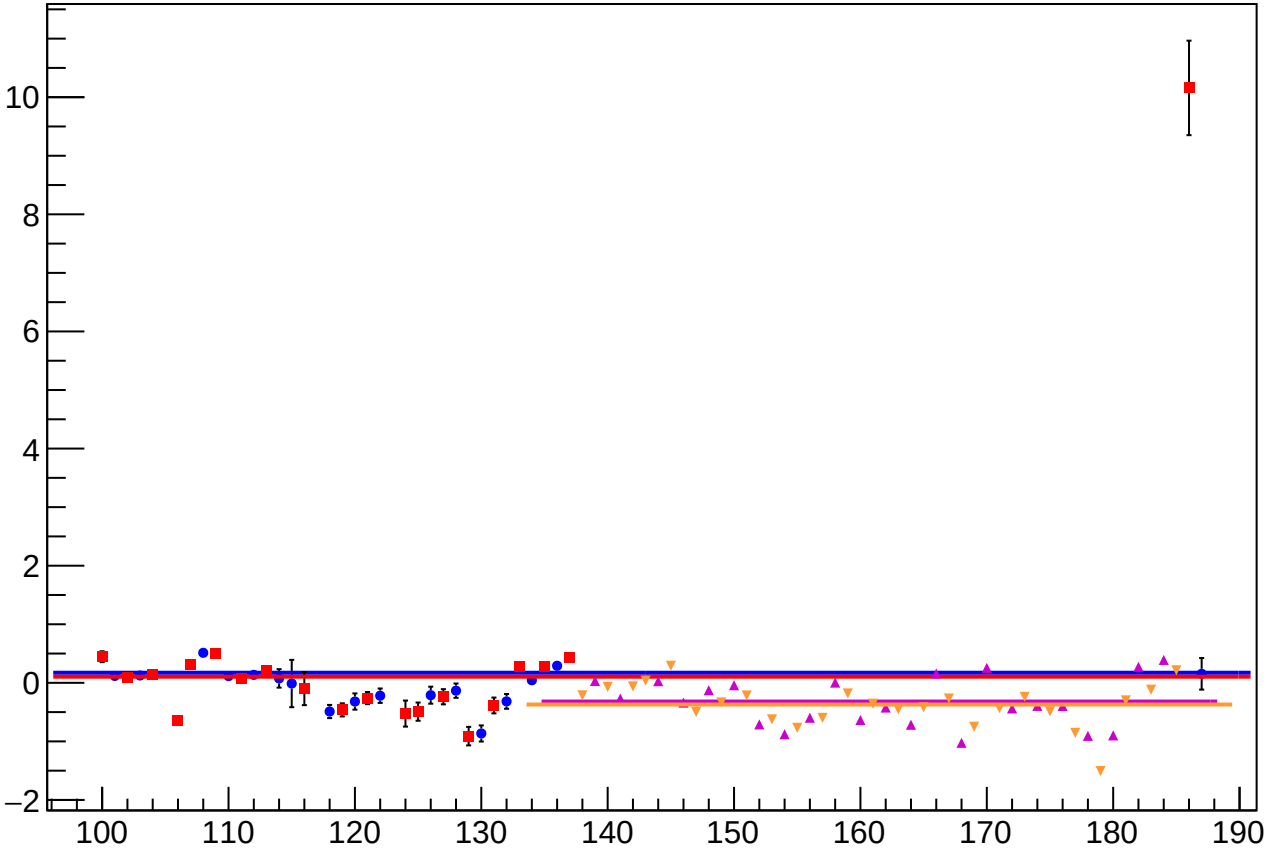
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 78.977+/-0.156 χ^2/NDF: 42057.1/41

All: 77.681+/-0.111 χ^2/NDF: 88514.9/84

- sign 76.377+/-0.157 χ^2/NDF: 46319.4/42

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/16

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: 0.105+/-0.013 χ^2/NDF: 714.1/19

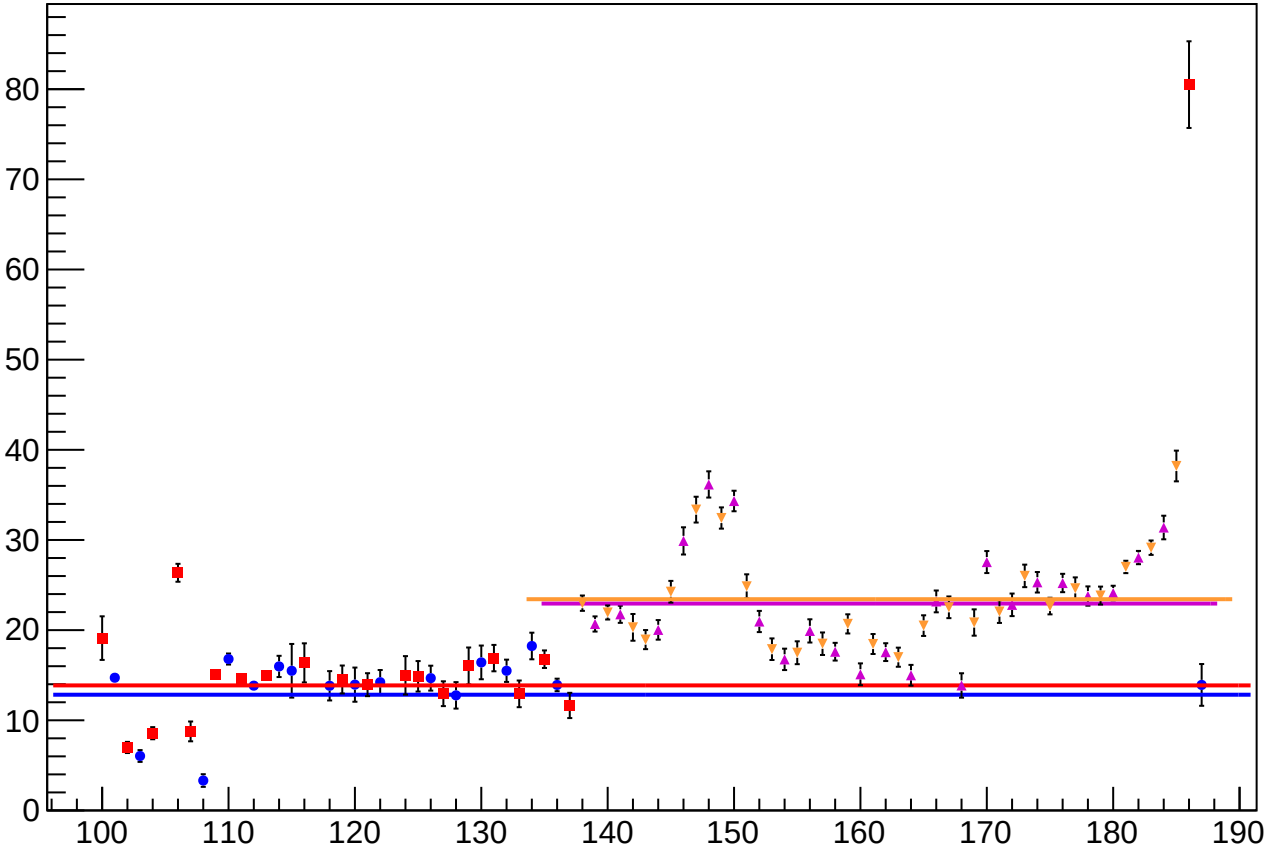
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.238+/-0.007 χ^2/NDF: 3150.9/41

All: -0.222+/-0.005 χ^2/NDF: 7046.6/84

- sign -0.207+/-0.007 χ^2/NDF: 3885.3/42

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.837+/-0.213 χ^2/NDF: 388.2/16

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.870+/-0.204 χ^2/NDF: 596.5/19

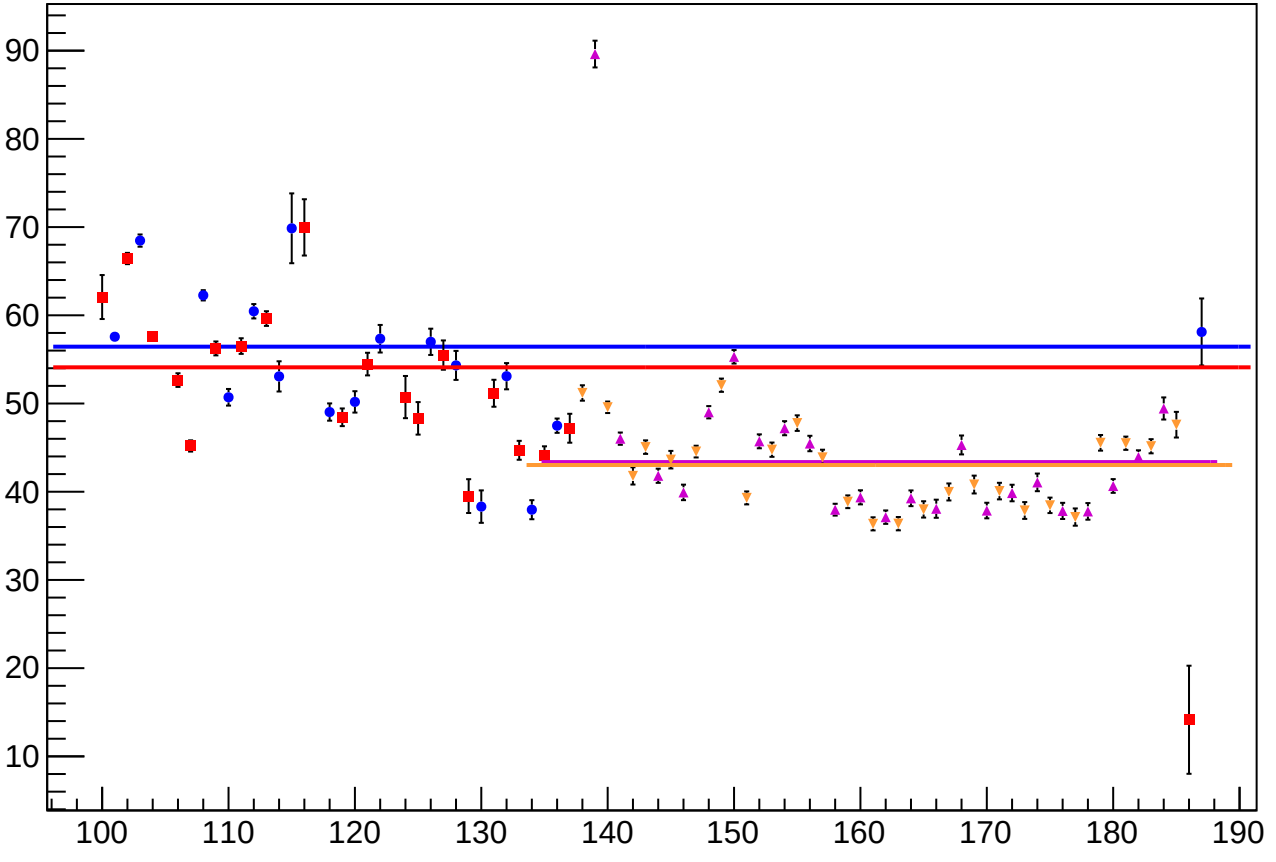
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 18.067+/-0.152 χ^2/NDF: 2035.9/41

All: 18.012+/-0.107 χ^2/NDF: 4090.1/84

- sign 17.958+/-0.151 χ^2/NDF: 2053.9/42

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.444+/-0.221 χ^2/NDF: 1088.2/16

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 54.103+/-0.224 χ^2/NDF: 1049.2/19

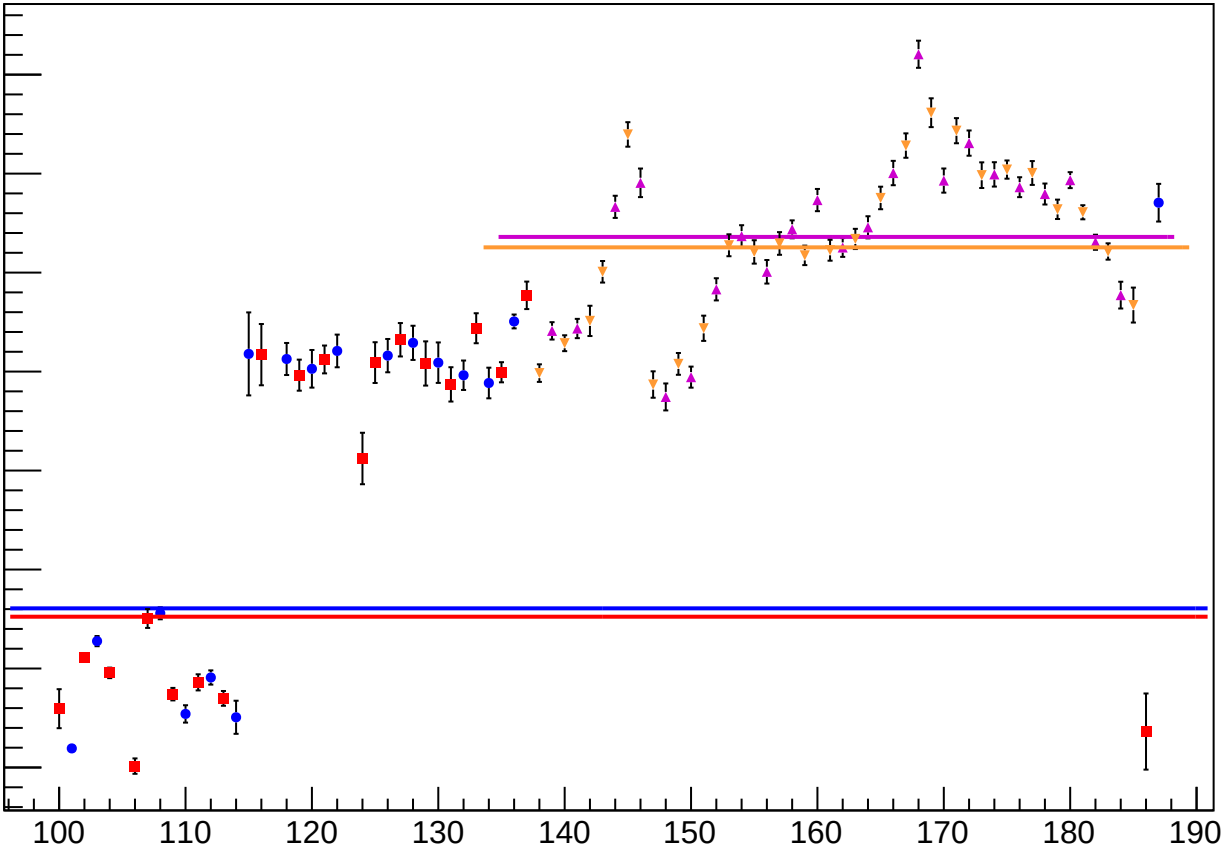
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 47.903+/-0.133 χ^2/NDF: 4205.4/41

All: 47.702+/-0.096 χ^2/NDF: 8354.9/84

- sign 47.483+/-0.139 χ^2/NDF: 4144.7/42

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 16.079+/-0.213 χ^2/NDF: 5645.3/16

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 15.234+/-0.219 χ^2/NDF: 3882.2/19

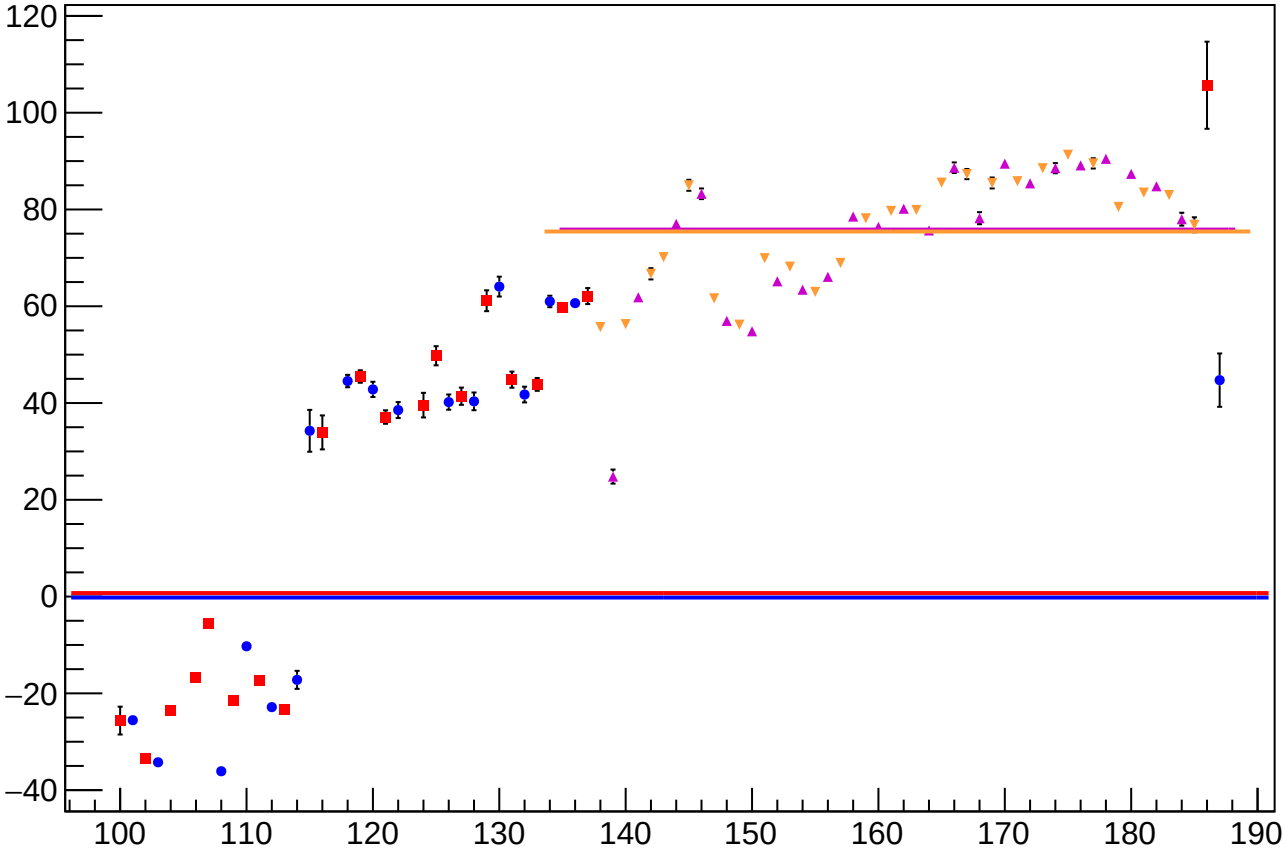
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 34.149+/-0.151 χ^2/NDF: 21405.9/41

All: 34.107+/-0.109 χ^2/NDF: 41397.3/84

- sign 34.062+/-0.156 χ^2/NDF: 19991.2/42

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.195+/-0.261 χ^2/NDF: 21097.4/16

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.723+/-0.263 χ^2/NDF: 16164.2/19

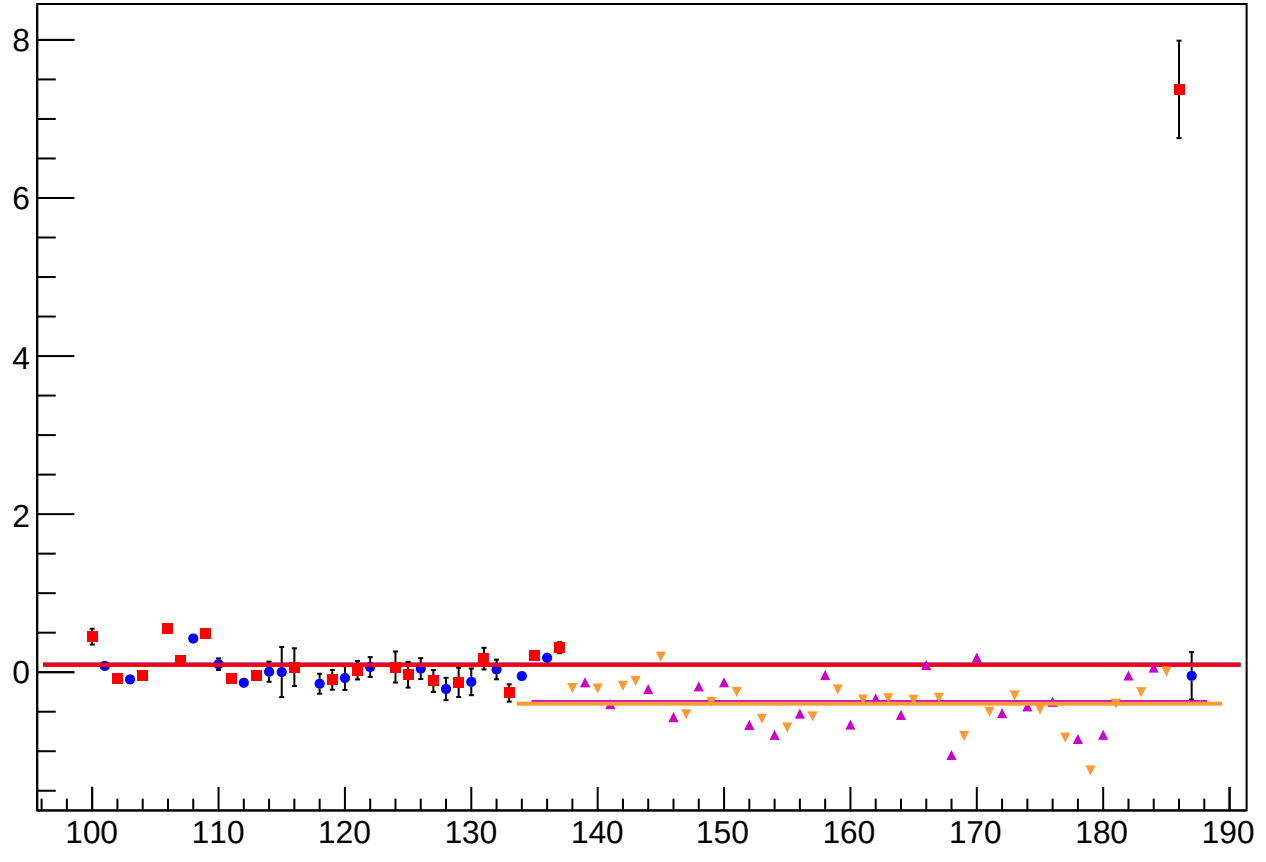
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 49.560+/-0.153 χ^2/NDF: 79771.2/41

All: 49.224+/-0.110 χ^2/NDF: 152298.1/84

- sign 48.865+/-0.158 χ^2/NDF: 72516.8/42

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.097+/-0.011 χ^2/NDF: 299.3/16

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.093+/-0.011 χ^2/NDF: 539.0/19

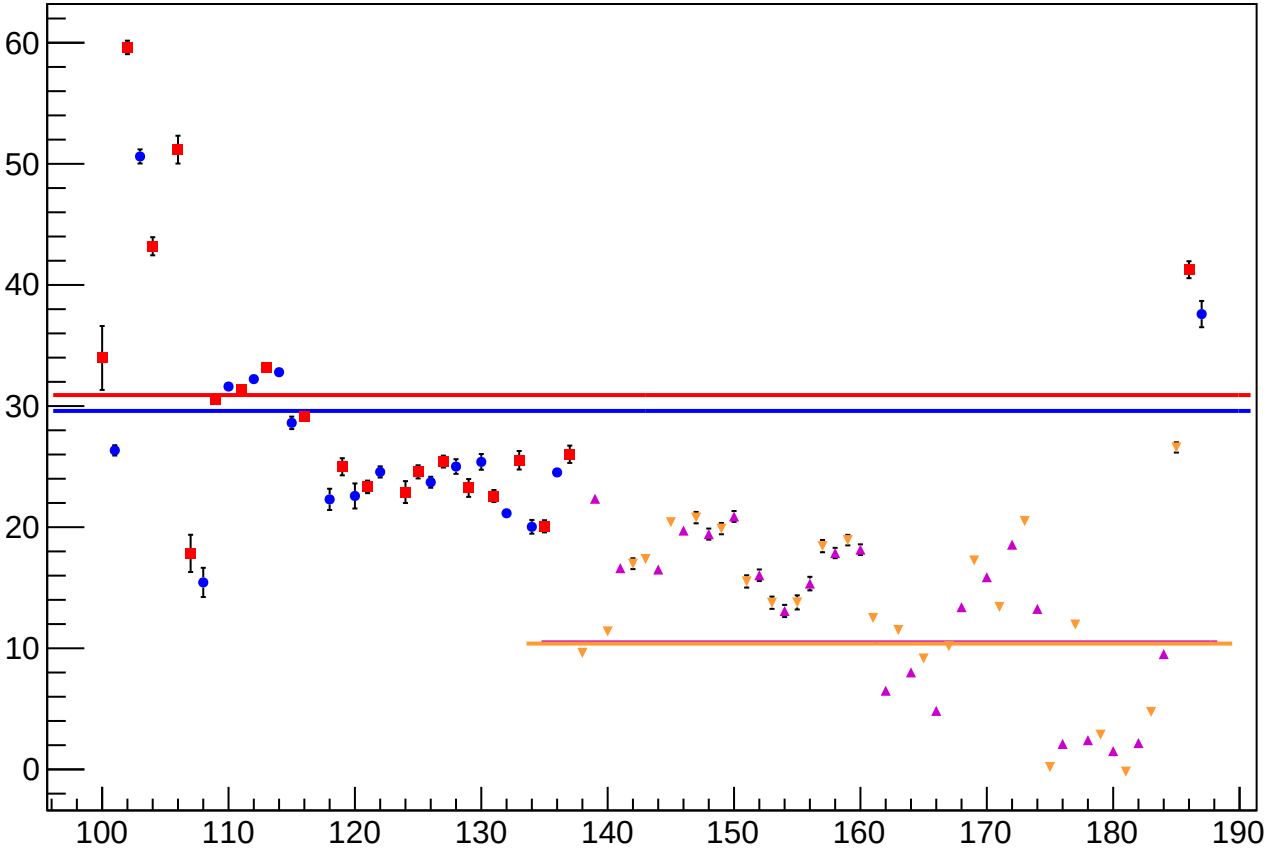
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.220+/-0.007 χ^2/NDF: 2578.2/41

All: -0.214+/-0.005 χ^2/NDF: 5558.5/84

- sign -0.207+/-0.007 χ^2/NDF: 2978.5/42

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 29.599+/-0.092 χ^2/NDF: 3427.0/16

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.910+/-0.080 χ^2/NDF: 5301.2/19

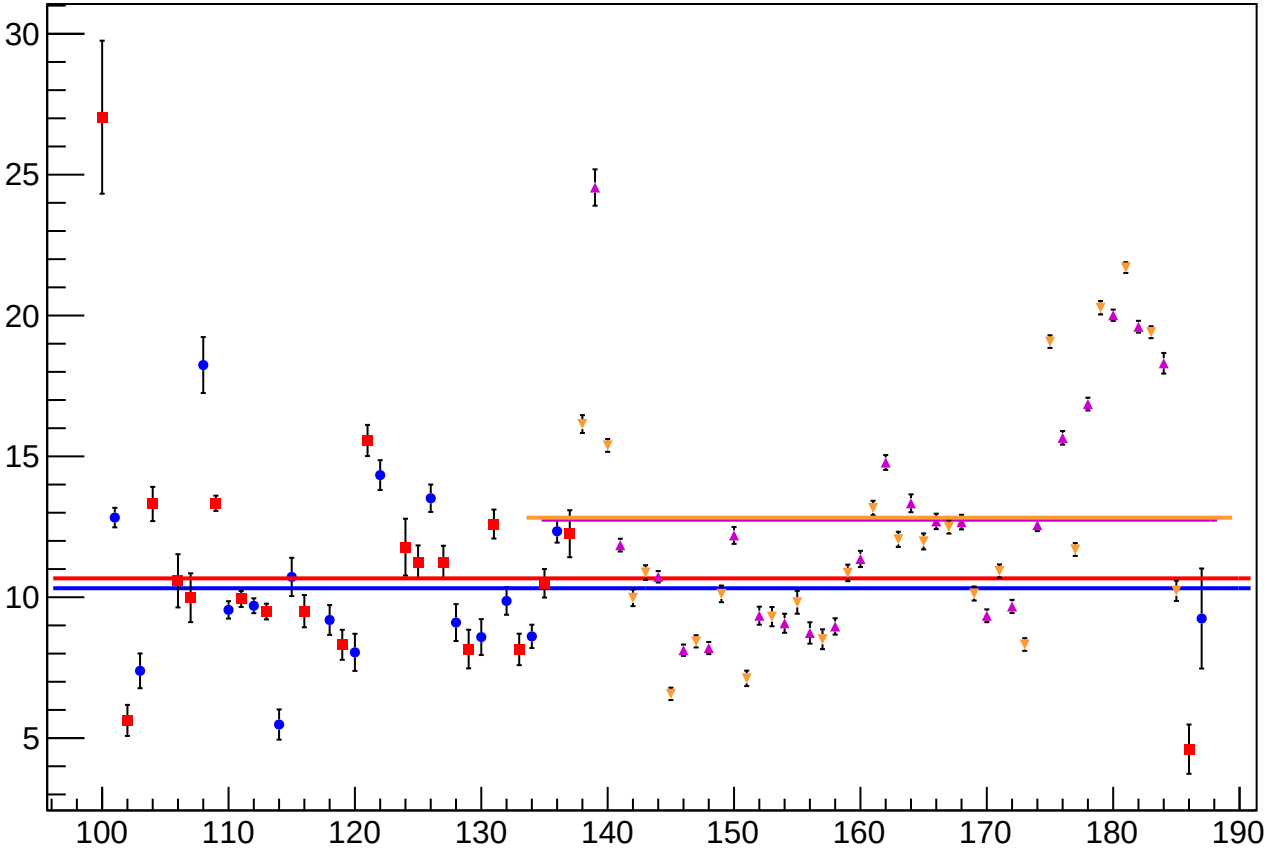
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.705+/-0.053 χ^2/NDF: 46721.9/41

All: 17.842+/-0.037 χ^2/NDF: 103045.8/84

- sign 18.921+/-0.051 χ^2/NDF: 55411.1/42

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.319+/-0.114 χ^2/NDF: 403.0/16

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.670+/-0.112 χ^2/NDF: 464.7/19

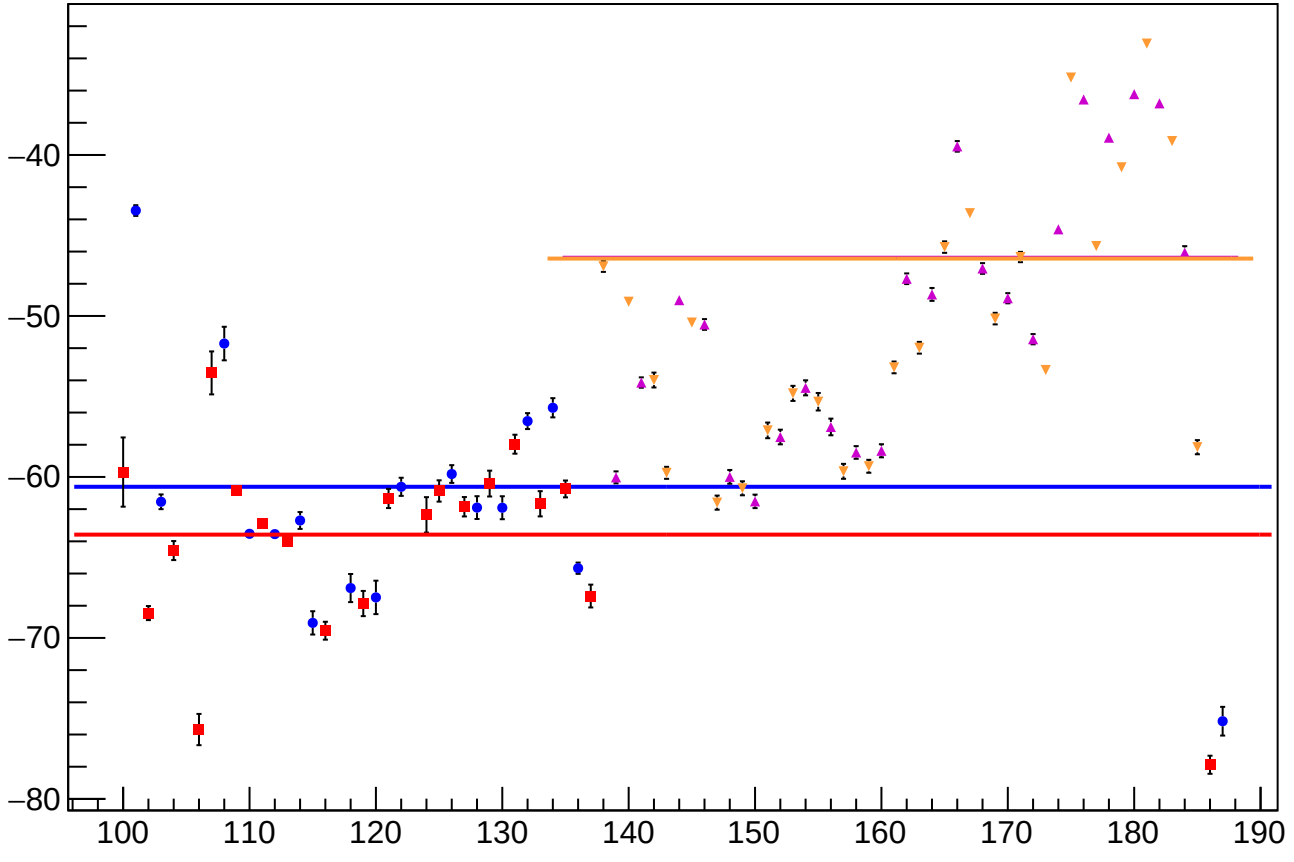
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.405+/-0.047 χ^2/NDF: 8823.4/41

All: 12.389+/-0.033 χ^2/NDF: 15073.6/84

- sign 12.372+/-0.048 χ^2/NDF: 6250.0/42

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.611+/-0.112 χ^2/NDF: 3868.6/16

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.583+/-0.105 χ^2/NDF: 1516.0/19

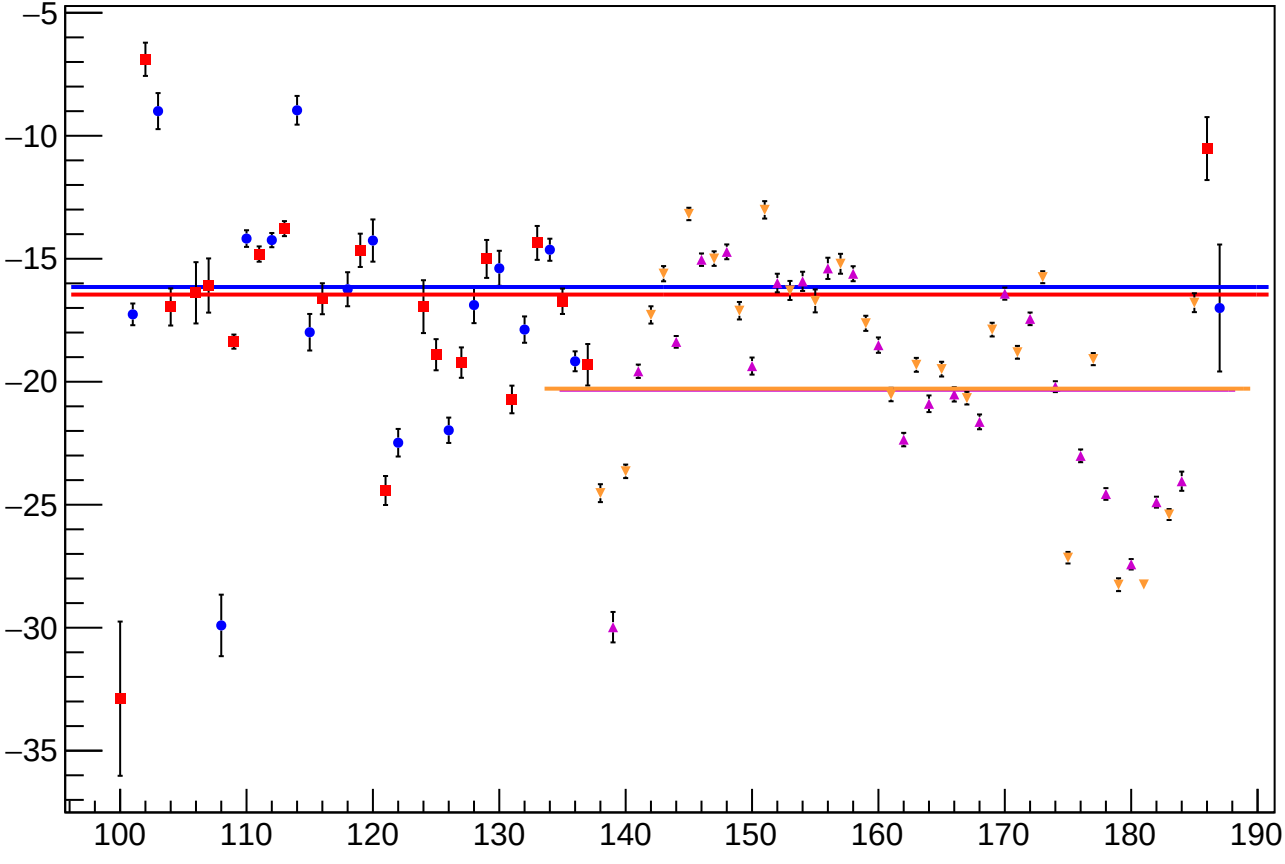
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -49.954+/-0.056 χ^2/NDF: 34059.3/41

All: -50.628+/-0.040 χ^2/NDF: 69962.5/84

- sign -51.315+/-0.056 χ^2/NDF: 35609.3/42

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.149+/-0.127 χ^2/NDF: 797.2/16

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.456+/-0.124 χ^2/NDF: 706.4/19

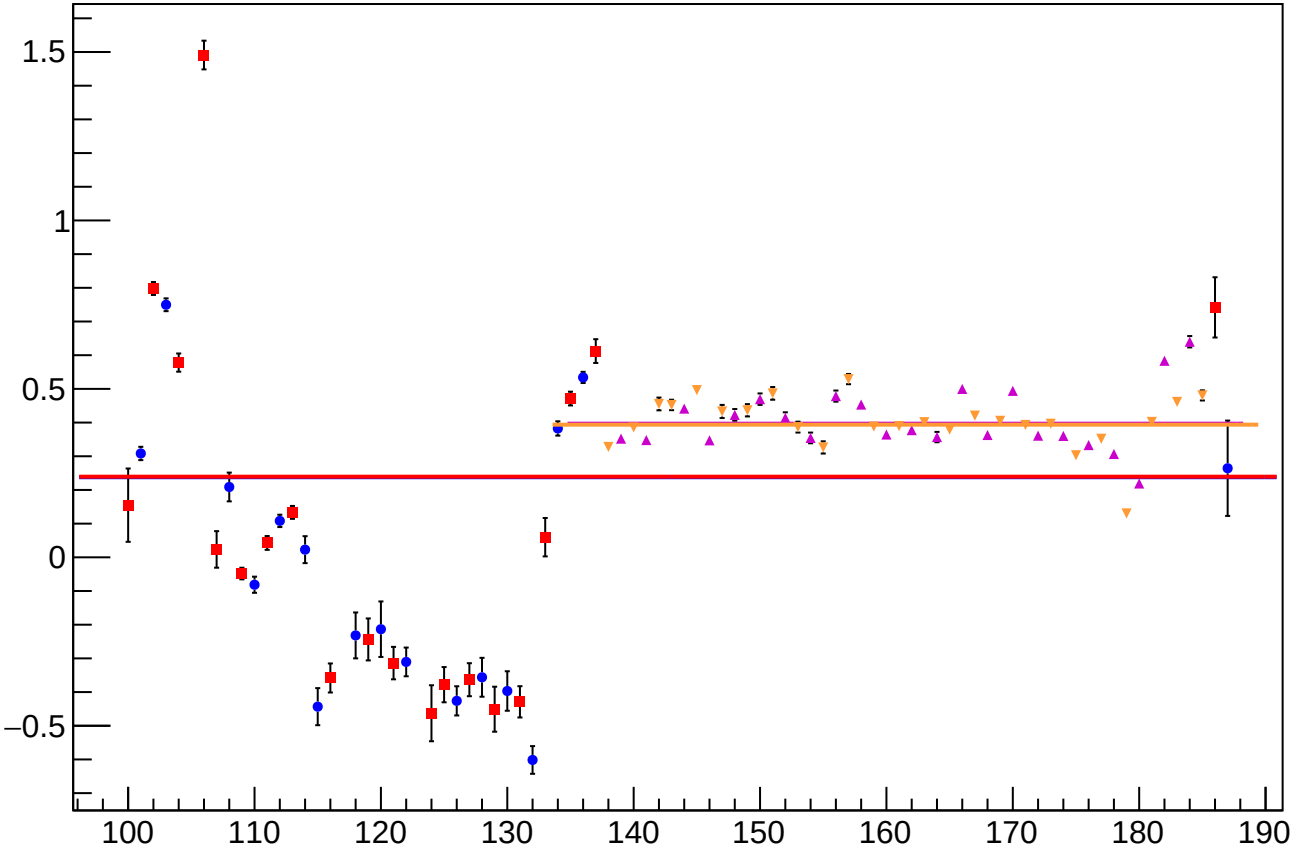
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.587+/-0.052 χ^2/NDF: 8697.3/41

All: -19.598+/-0.037 χ^2/NDF: 14469.1/84

- sign -19.609+/-0.053 χ^2/NDF: 5771.8/42

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/16

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.239+/-0.007 χ^2/NDF: 3626.8/19

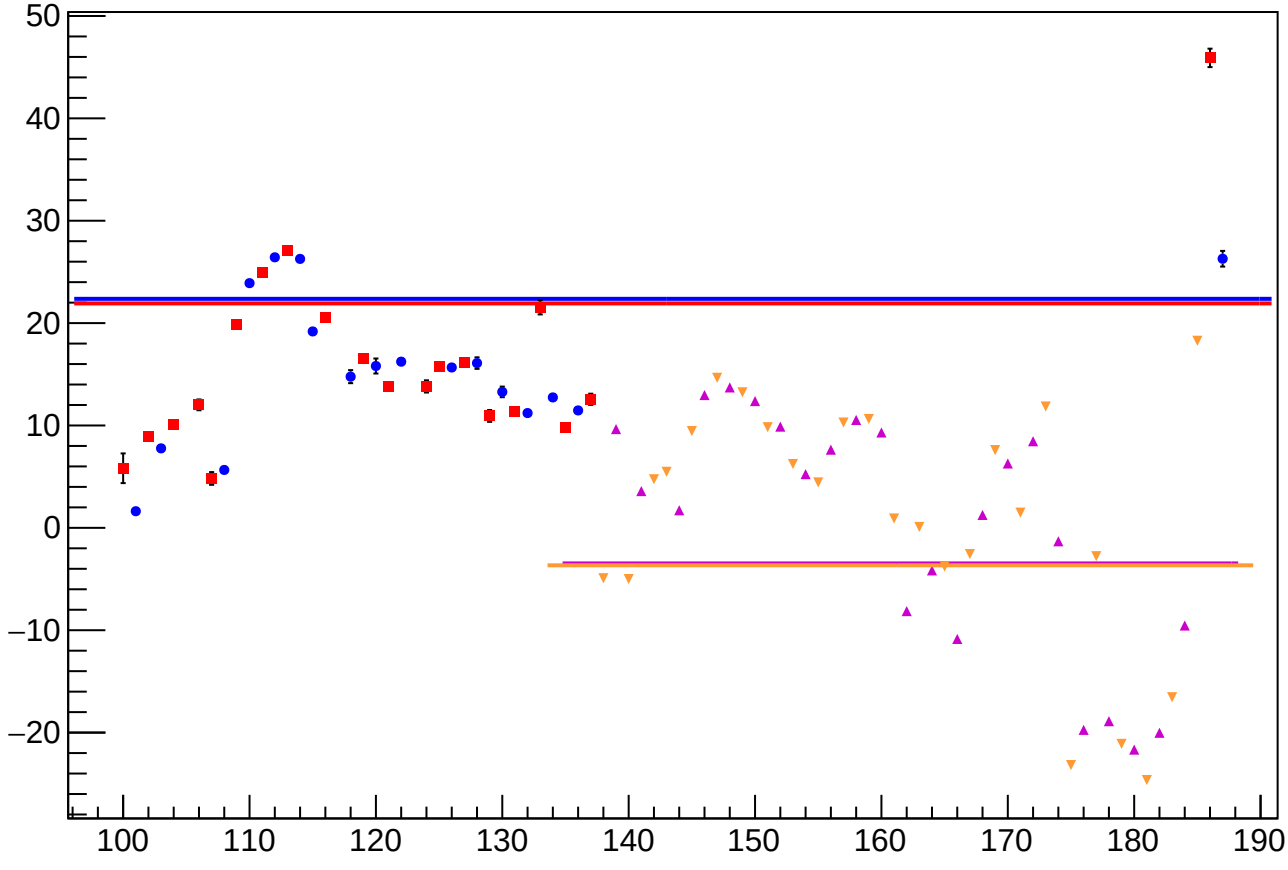
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

\+ sign 0.376+/-0.002 χ^2/NDF: 4011.6/41

All: 0.377+/-0.002 χ^2/NDF: 9369.6/84

\- sign 0.378+/-0.002 χ^2/NDF: 5357.7/42

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 22.371+/-0.056 χ^2/NDF: 12363.1/16

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.923+/-0.046 χ^2/NDF: 11403.4/19

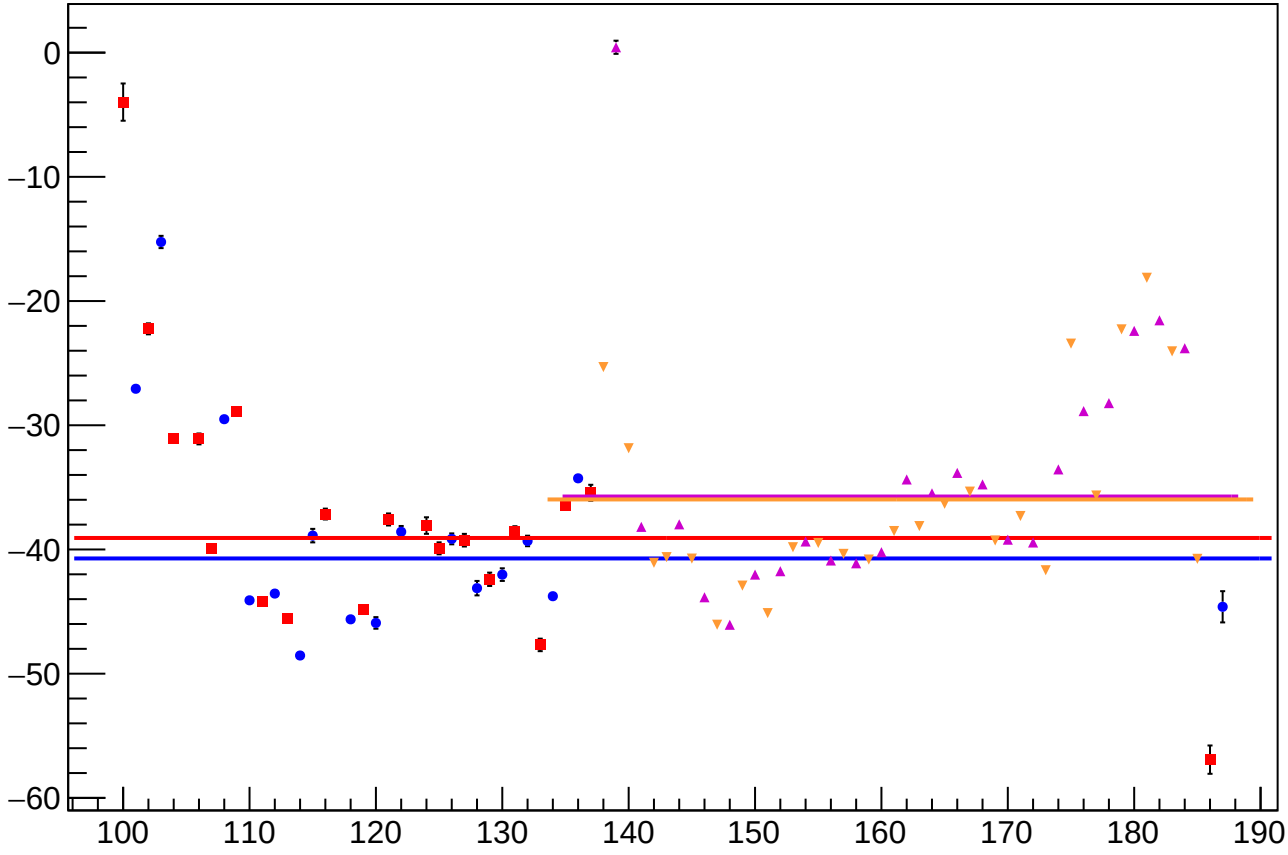
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.918+/-0.039 χ^2/NDF: 179191.3/41

All: 10.554+/-0.027 χ^2/NDF: 357628.7/84

- sign 11.934+/-0.036 χ^2/NDF: 175228.6/42

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -40.723+/-0.076 χ^2/NDF: 7790.0/16

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -39.074+/-0.071 χ^2/NDF: 10347.4/19

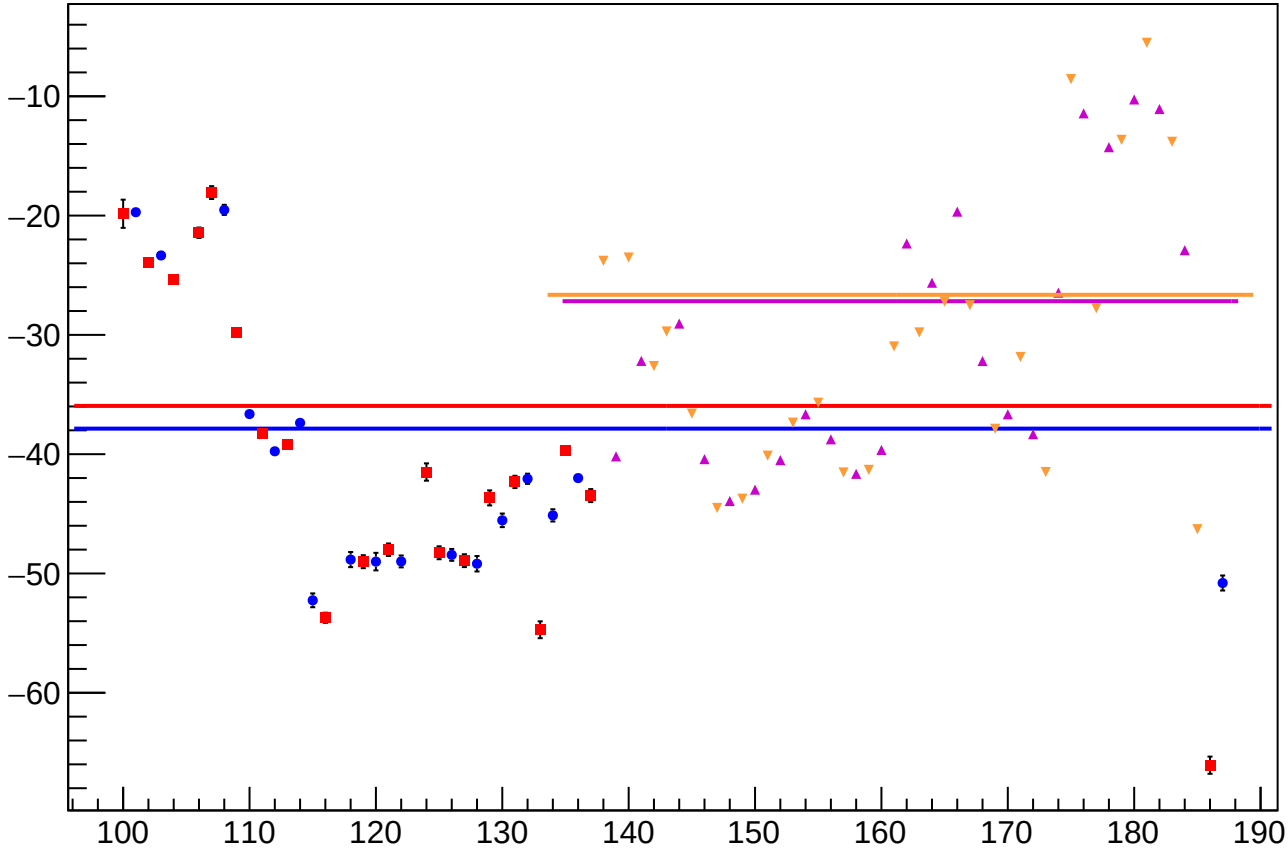
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -37.094+/-0.037 χ^2/NDF: 44357.2/41

All: -36.898+/-0.027 χ^2/NDF: 83496.8/84

- sign -36.693+/-0.038 χ^2/NDF: 39082.7/42

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.858+/-0.073 χ^2/NDF: 11281.2/16

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.953+/-0.064 χ^2/NDF: 15034.8/19

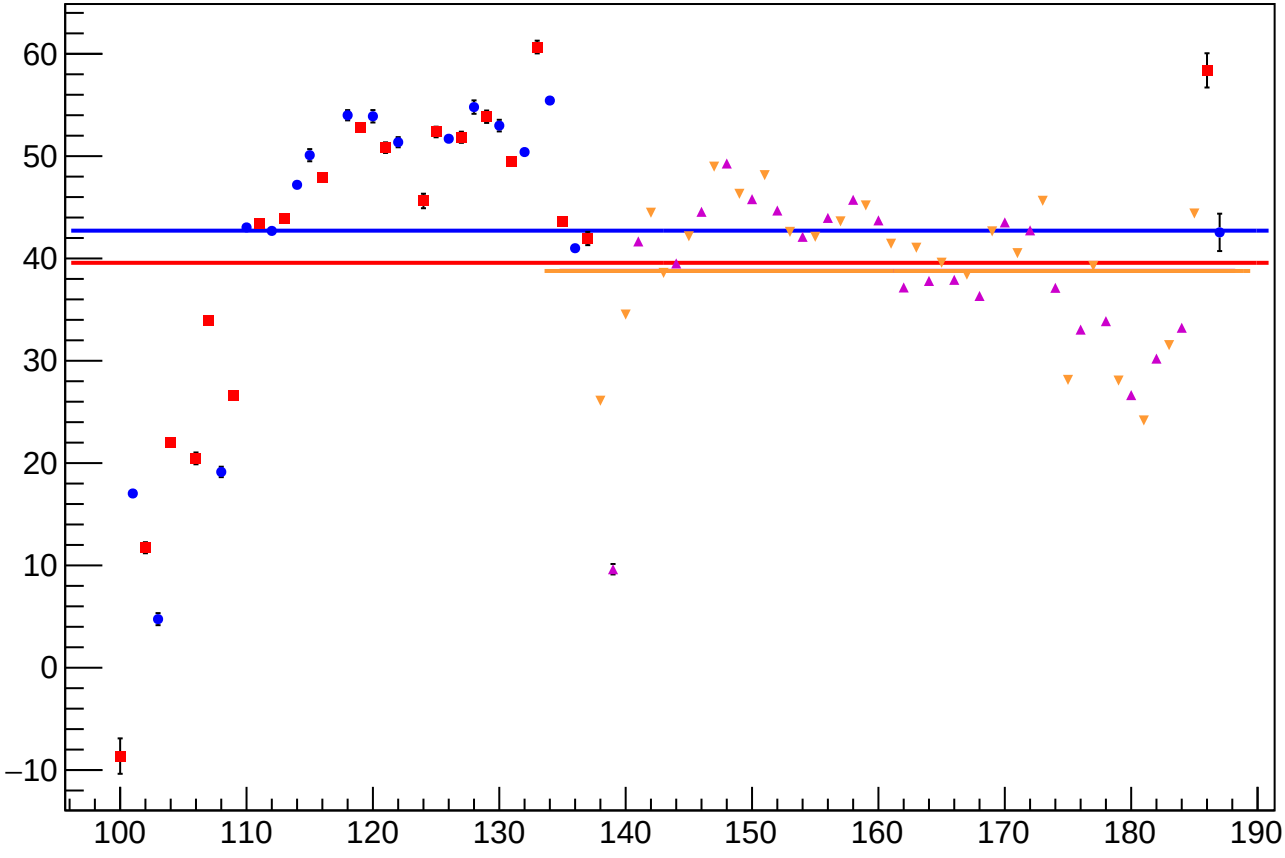
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.645+/-0.044 χ^2/NDF: 76416.6/41

All: -30.863+/-0.031 χ^2/NDF: 142930.4/84

- sign -31.071+/-0.043 χ^2/NDF: 66465.1/42

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 42.717+/-0.085 χ^2/NDF: 14765.0/16

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.574+/-0.078 χ^2/NDF: 18104.7/19

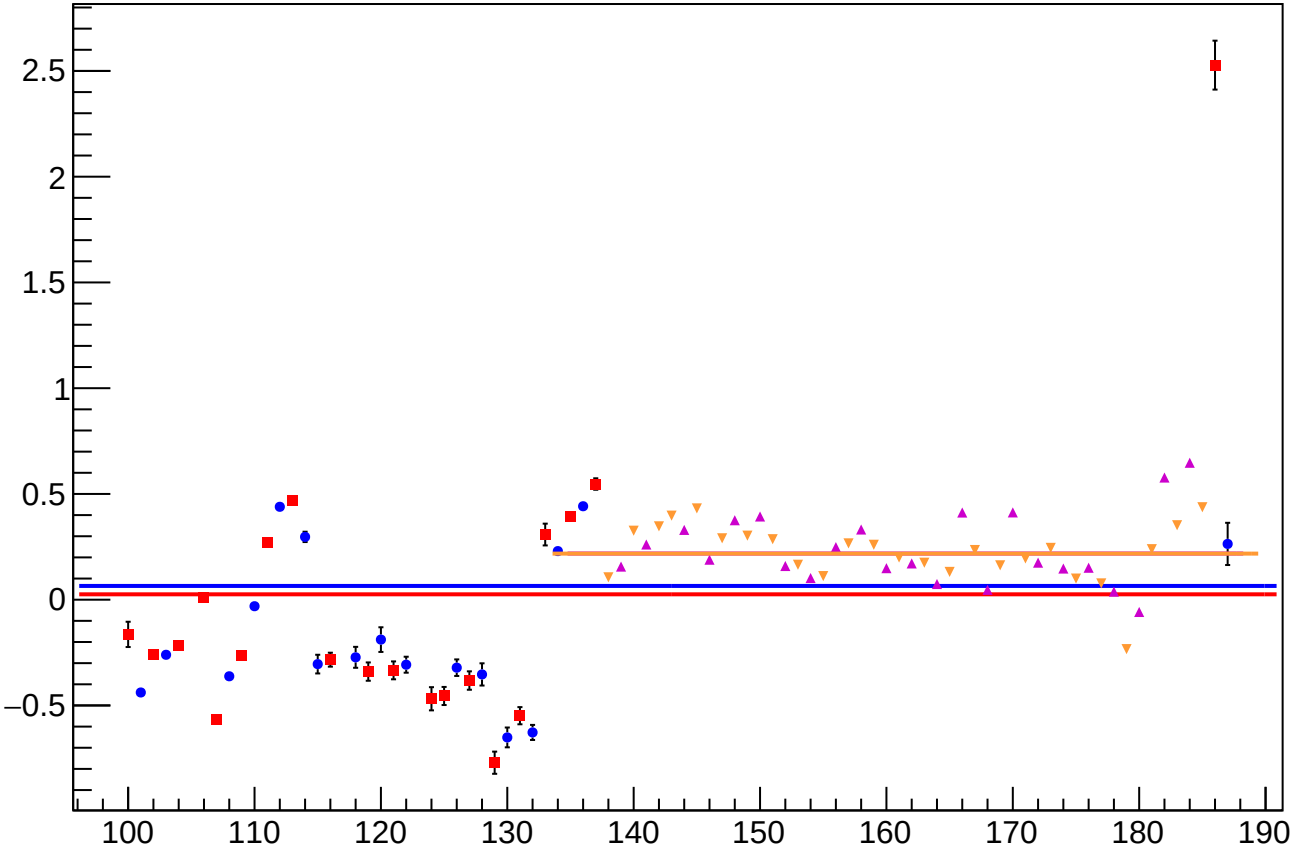
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.722+/-0.042 χ^2/NDF: 37470.7/41

All: 39.376+/-0.030 χ^2/NDF: 72027.5/84

- sign 39.020+/-0.042 χ^2/NDF: 34416.5/42

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.065+/-0.005 χ^2/NDF: 5501.5/16

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.025+/-0.004 χ^2/NDF: 6874.0/19

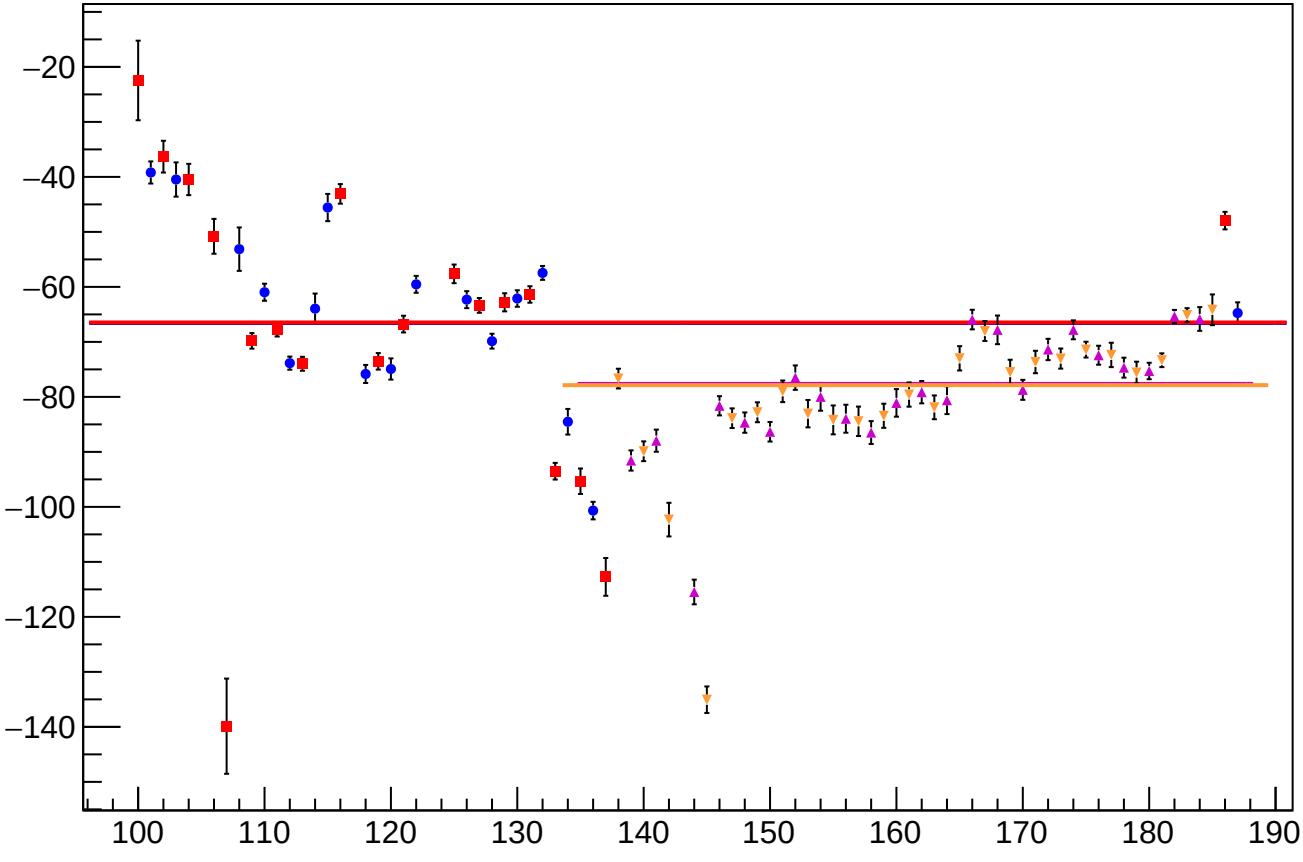
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.193+/-0.002 χ^2/NDF: 10410.5/41

All: 0.186+/-0.001 χ^2/NDF: 24159.7/84

- sign 0.179+/-0.002 χ^2/NDF: 13723.9/42

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -66.561+/-0.416 χ^2/NDF: 1053.3/16

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -66.472+/-0.406 χ^2/NDF: 1399.7/18

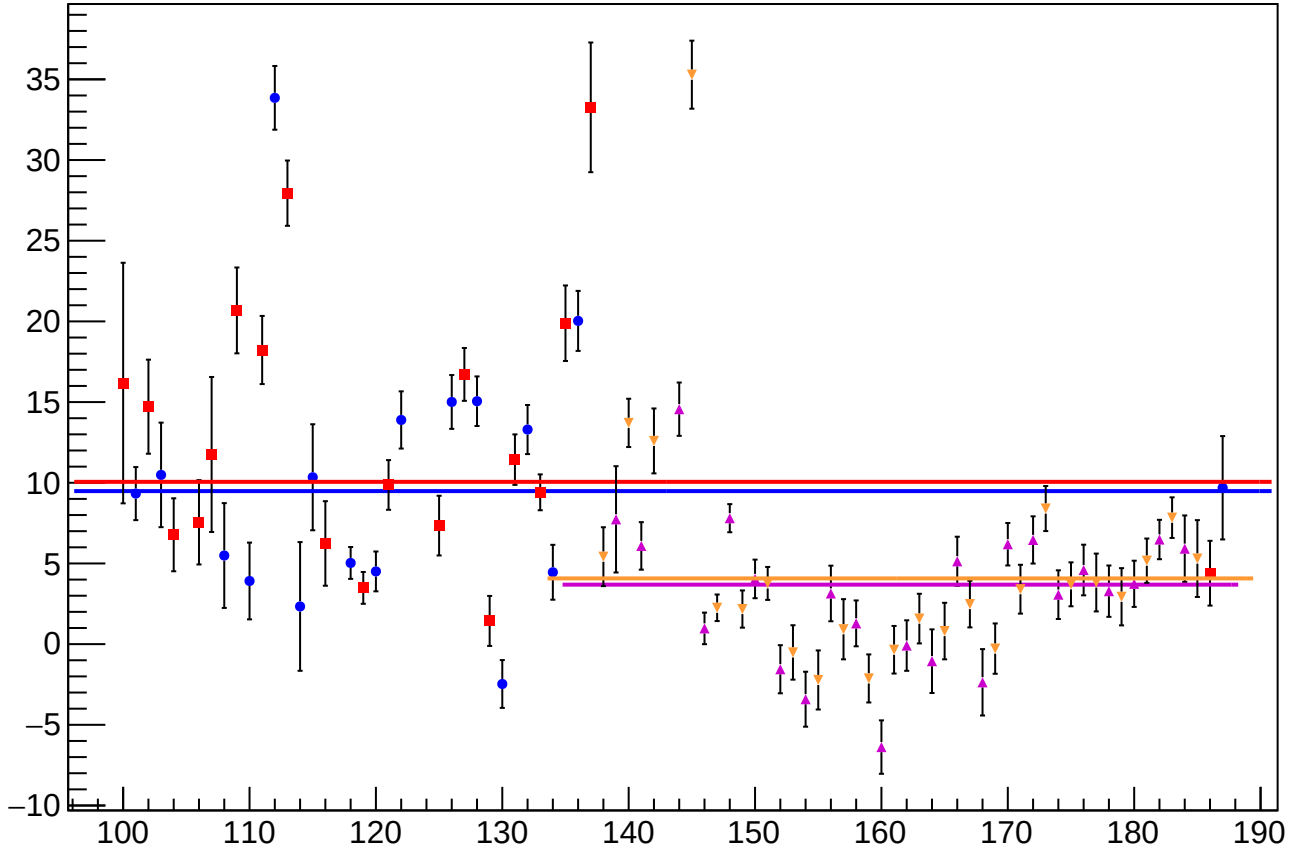
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -72.523+/-0.286 χ^2/NDF: 2374.7/40

All: -72.353+/-0.201 χ^2/NDF: 4856.2/82

- sign -72.186+/-0.284 χ^2/NDF: 2480.8/41

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.483+/-0.424 χ^2/NDF: 342.0/16

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 10.057+/-0.426 χ^2/NDF: 271.7/18

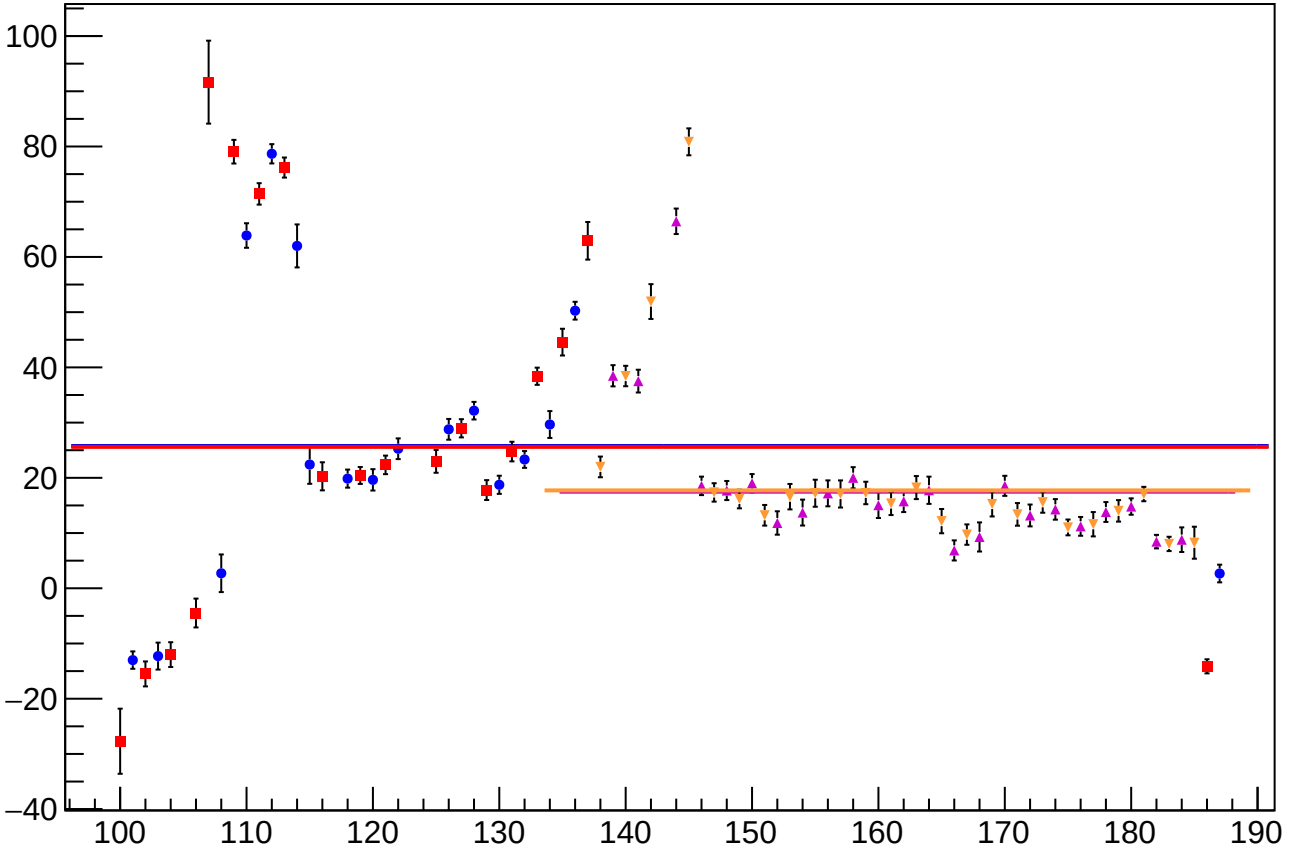
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 5.850+/-0.243 χ^2/NDF: 821.7/40

All: 5.833+/-0.173 χ^2/NDF: 1425.2/82

- sign 5.816+/-0.246 χ^2/NDF: 603.5/41

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 25.765+/-0.462 χ^2/NDF: 2700.7/16

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 25.610+/-0.456 χ^2/NDF: 4119.1/18

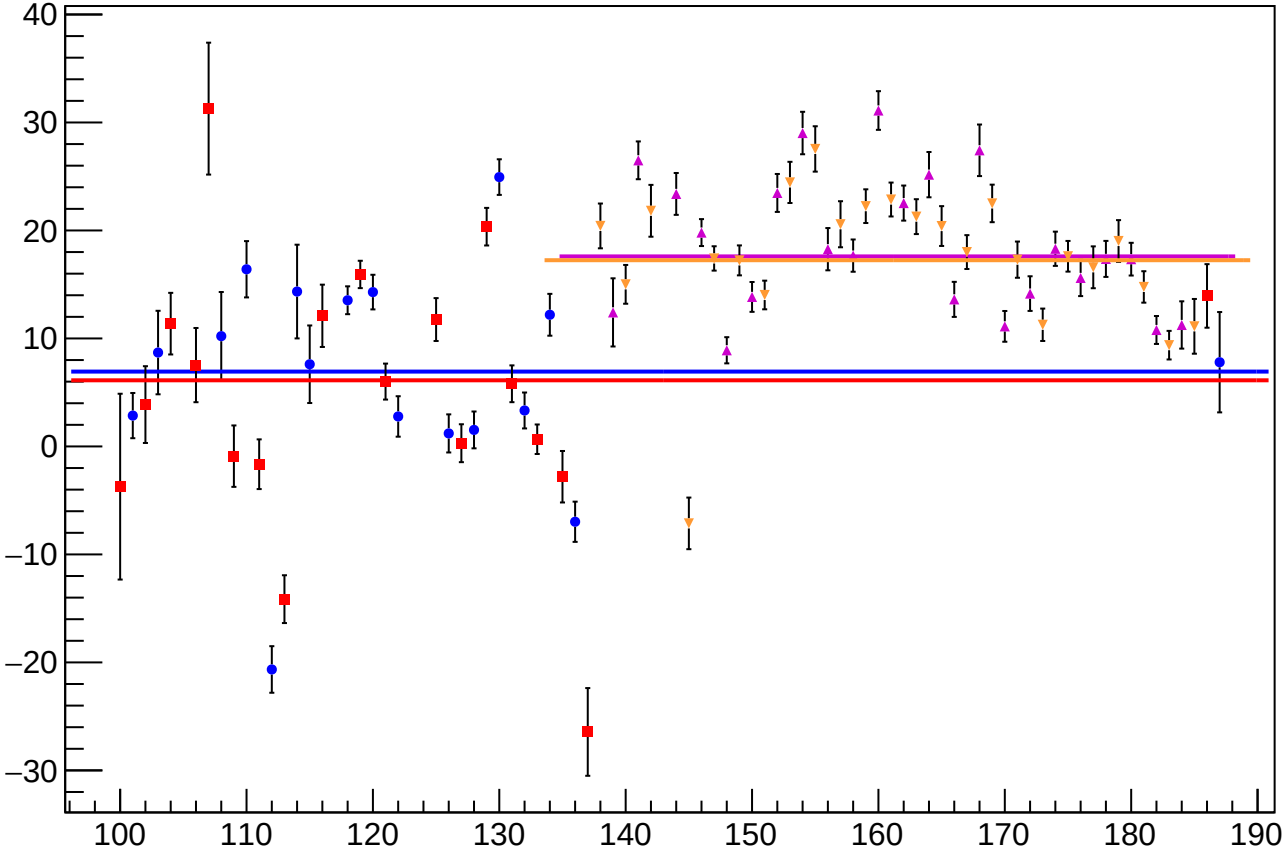
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 21.081+/-0.298 χ^2/NDF: 3935.5/40

All: 21.017+/-0.211 χ^2/NDF: 9057.6/82

- sign 20.953+/-0.297 χ^2/NDF: 5122.0/41

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 6.931+/-0.493 χ^2/NDF: 444.4/16

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.124+/-0.495 χ^2/NDF: 374.9/18

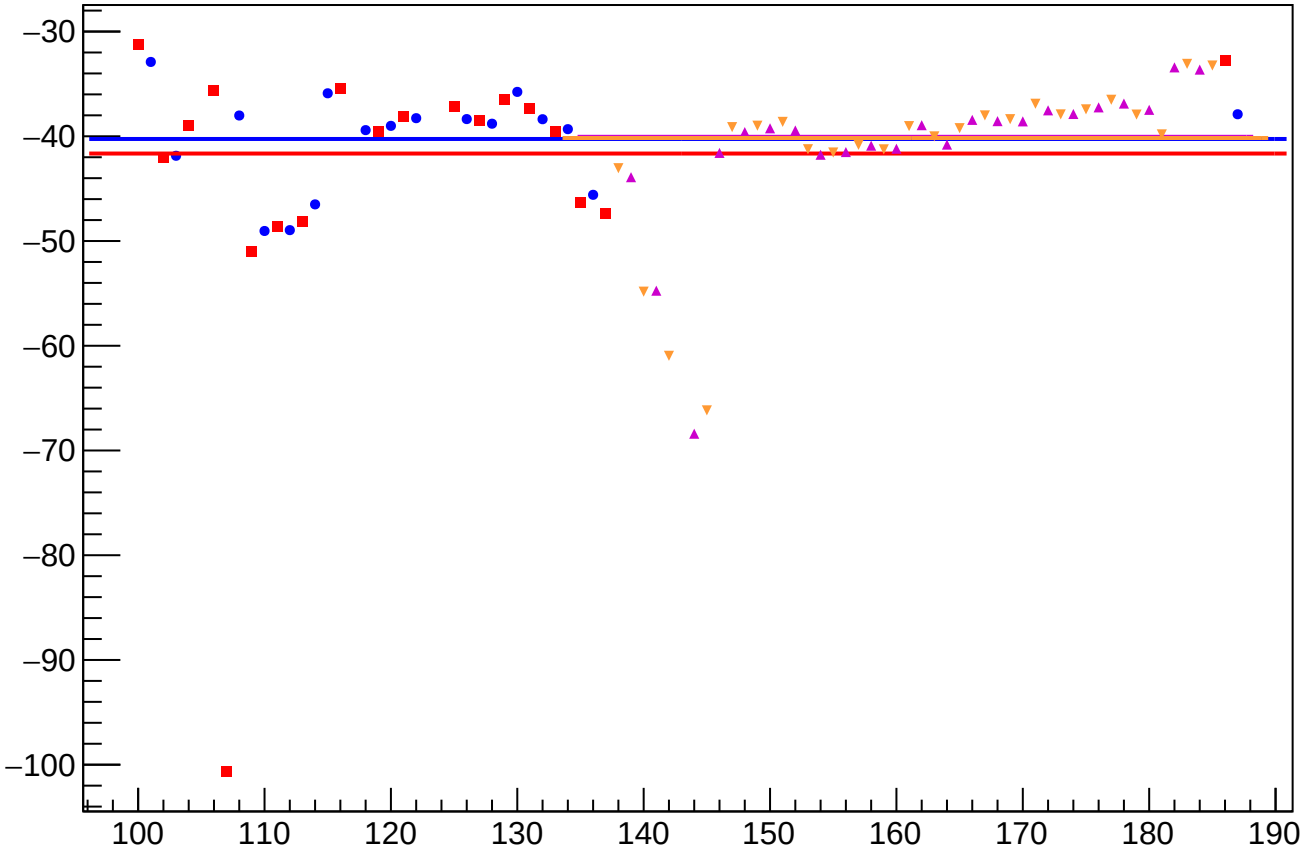
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

\+ sign 13.944+/-0.279 χ^2/NDF: 1003.0/40

All: 13.913+/-0.198 χ^2/NDF: 2051.5/82

\- sign 13.882+/-0.281 χ^2/NDF: 1048.5/41

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.257+/-0.031 χ^2/NDF: 20752.3/16

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.648+/-0.032 χ^2/NDF: 60668.5/18

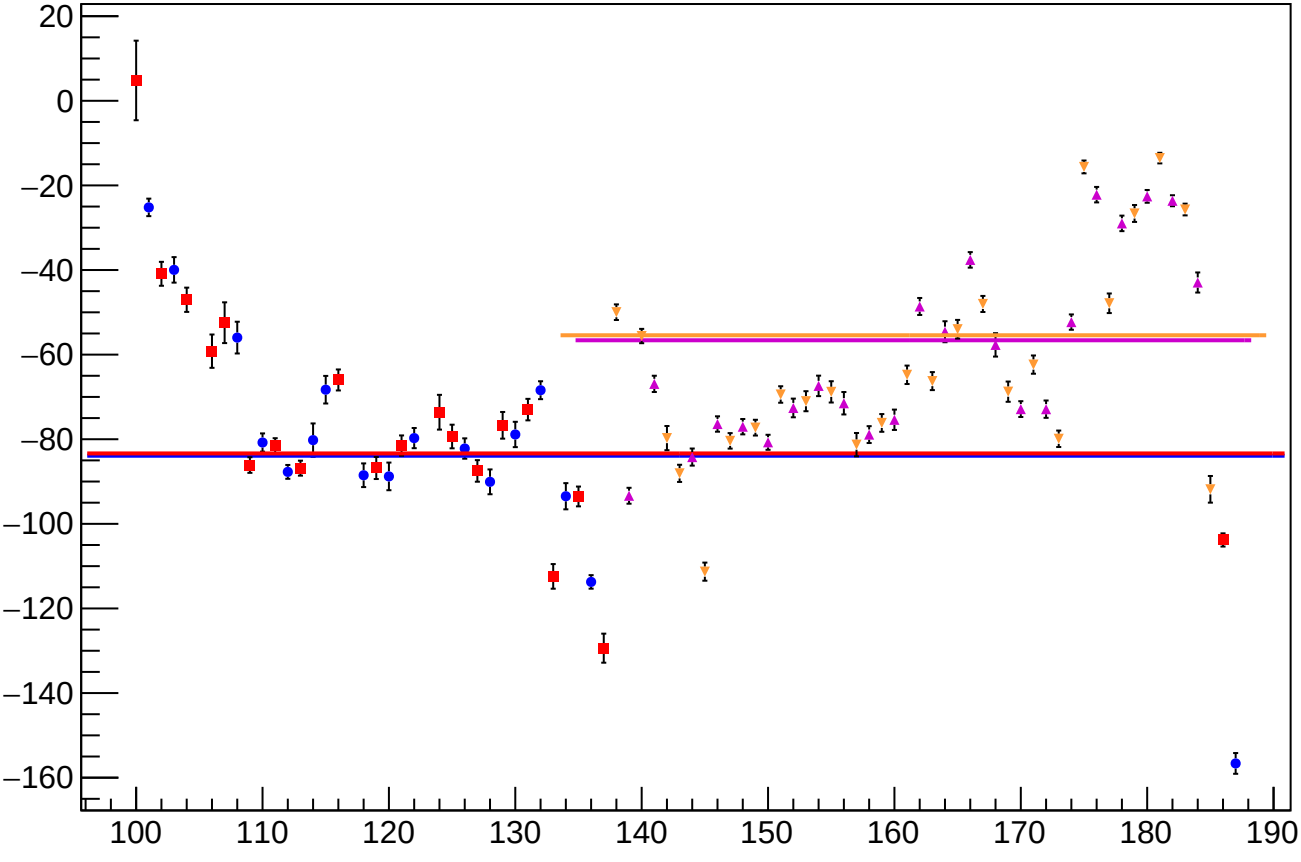
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.183+/-0.014 χ^2/NDF: 184095.2/40

All: -40.268+/-0.010 χ^2/NDF: 383334.4/82

- sign -40.354+/-0.014 χ^2/NDF: 199162.4/41

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -83.896+/-0.593 χ^2/NDF: 2409.7/16

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -83.356+/-0.563 χ^2/NDF: 1112.0/19

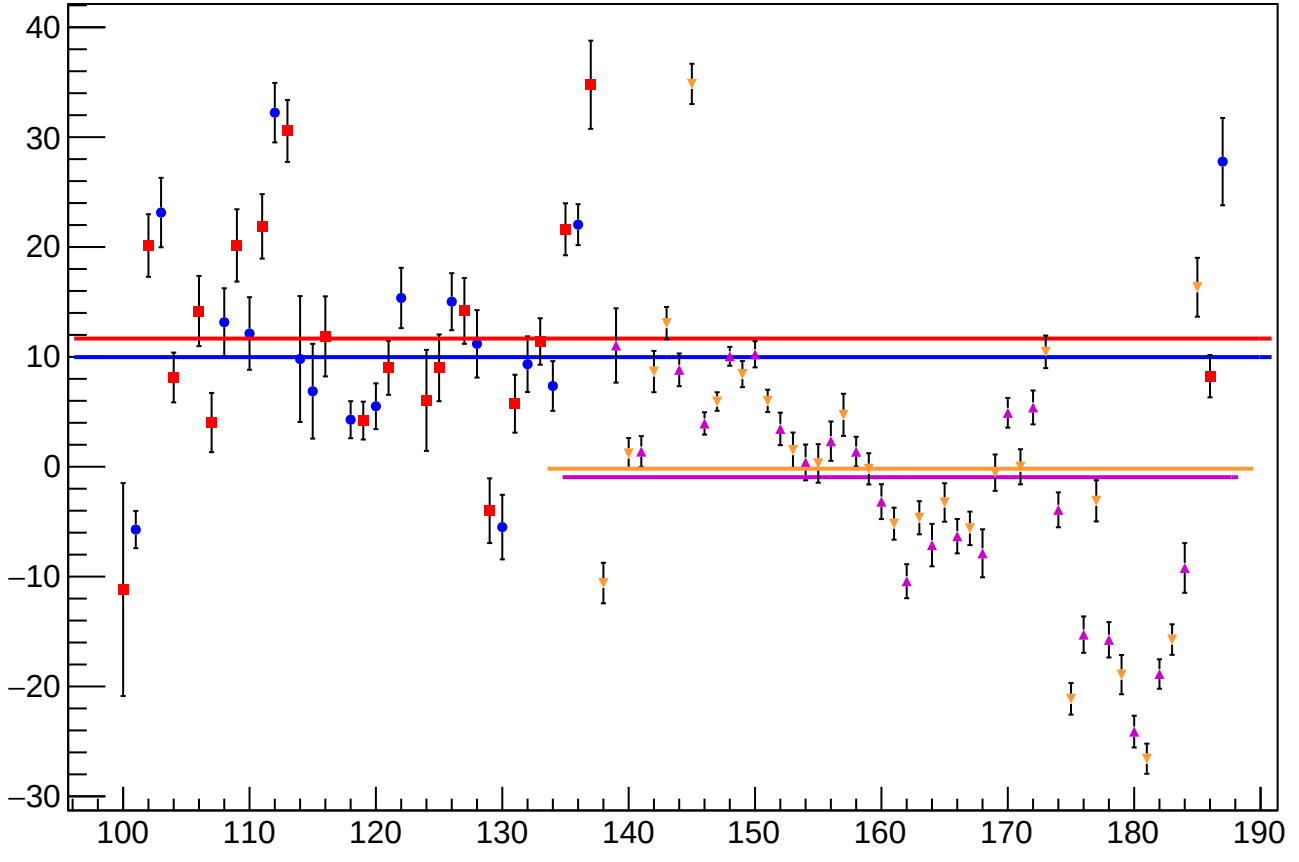
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

\+ sign -64.123+/-0.328 χ^2/NDF: 8536.1/41

All: -64.903+/-0.232 χ^2/NDF: 14499.1/84

\- sign -65.686+/-0.328 χ^2/NDF: 5951.6/42

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 9.977+/-0.614 χ^2/NDF: 287.6/16

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.668+/-0.605 χ^2/NDF: 199.4/19

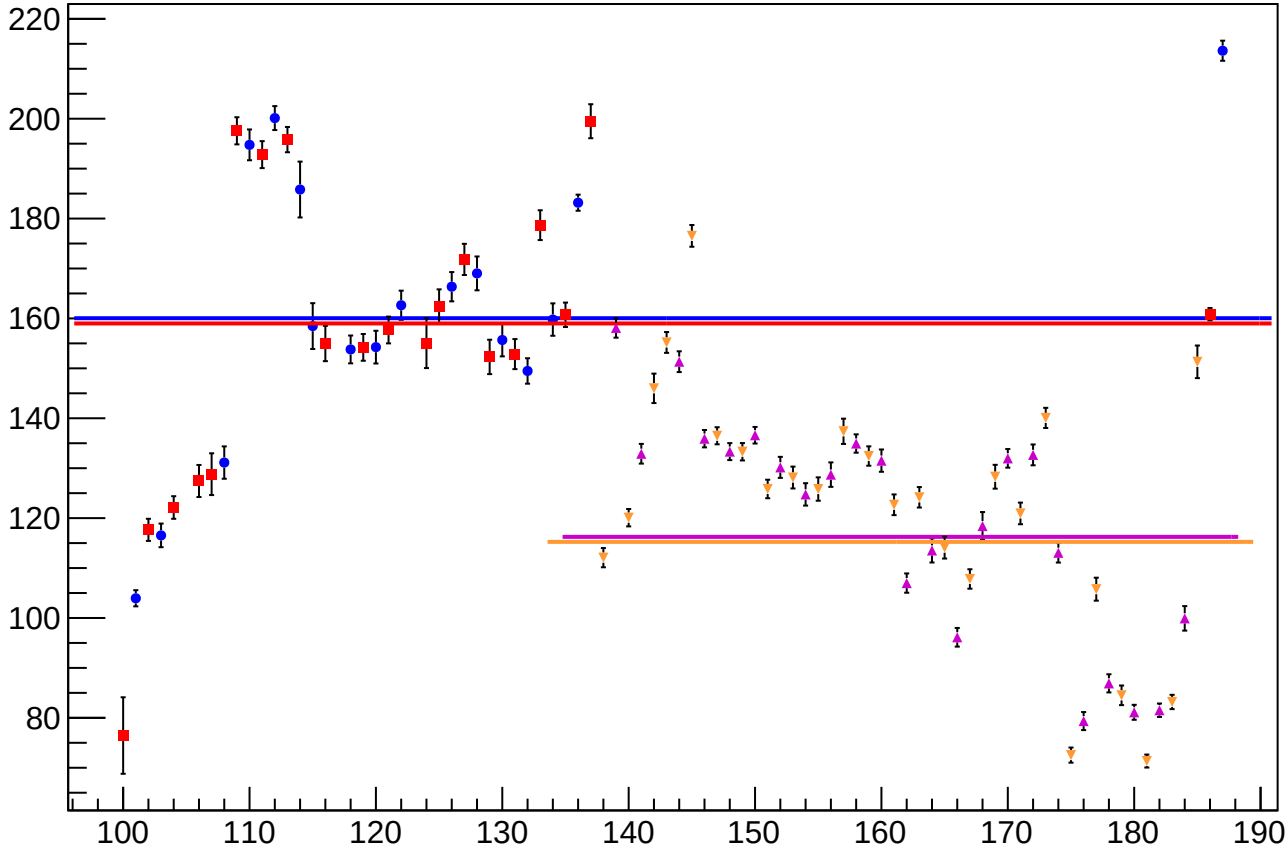
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 1.718+/-0.265 χ^2/NDF: 2108.8/41

All: 1.658+/-0.190 χ^2/NDF: 3725.6/84

- sign 1.595+/-0.272 χ^2/NDF: 1616.7/42

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 160.041+/-0.629 χ^2/NDF: 2997.4/16

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 158.990+/-0.599 χ^2/NDF: 1667.1/19

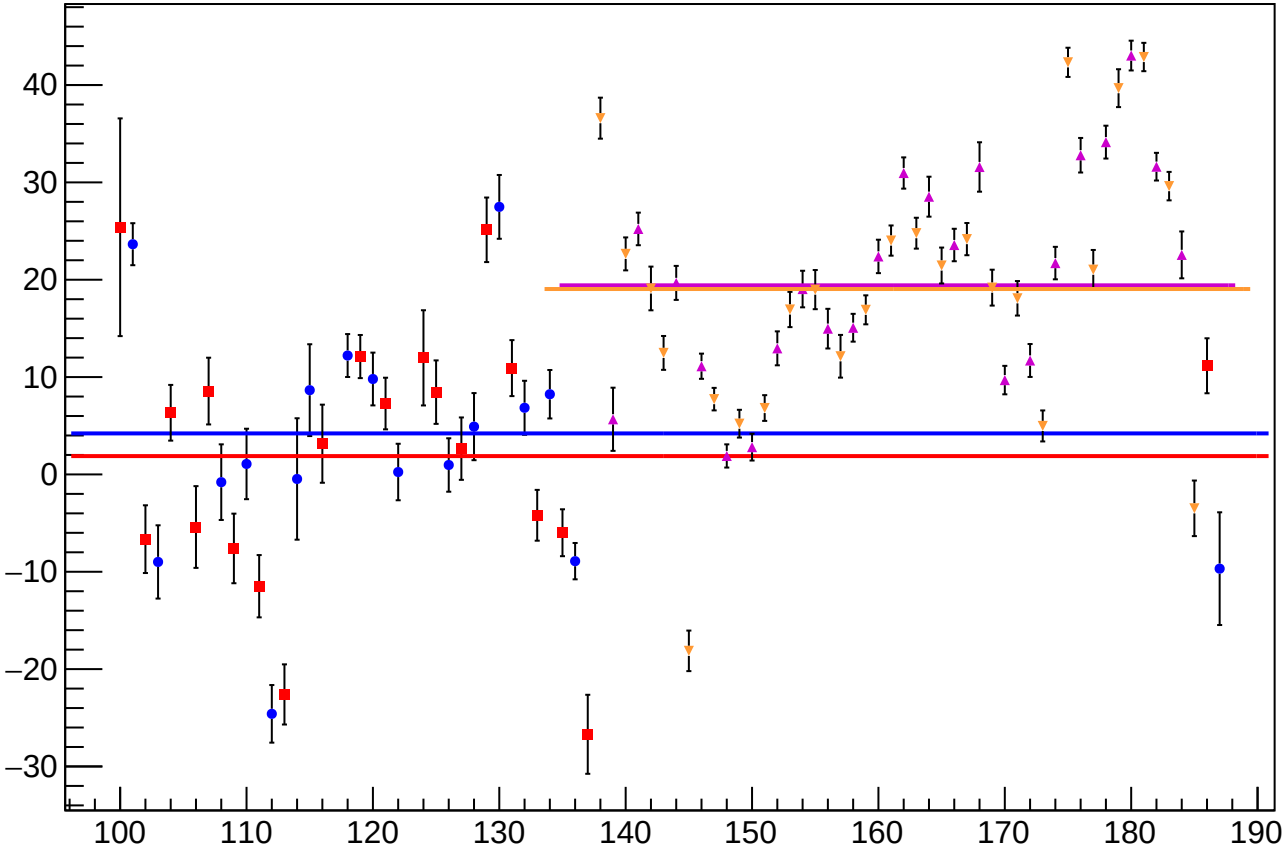
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 127.708+/-0.332 χ^2/NDF: 11498.8/41

All: 128.551+/-0.235 χ^2/NDF: 20343.7/84

- sign 129.396+/-0.332 χ^2/NDF: 8832.0/42

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 4.213+/-0.709 χ^2/NDF: 321.9/16

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.883+/-0.708 χ^2/NDF: 276.4/19

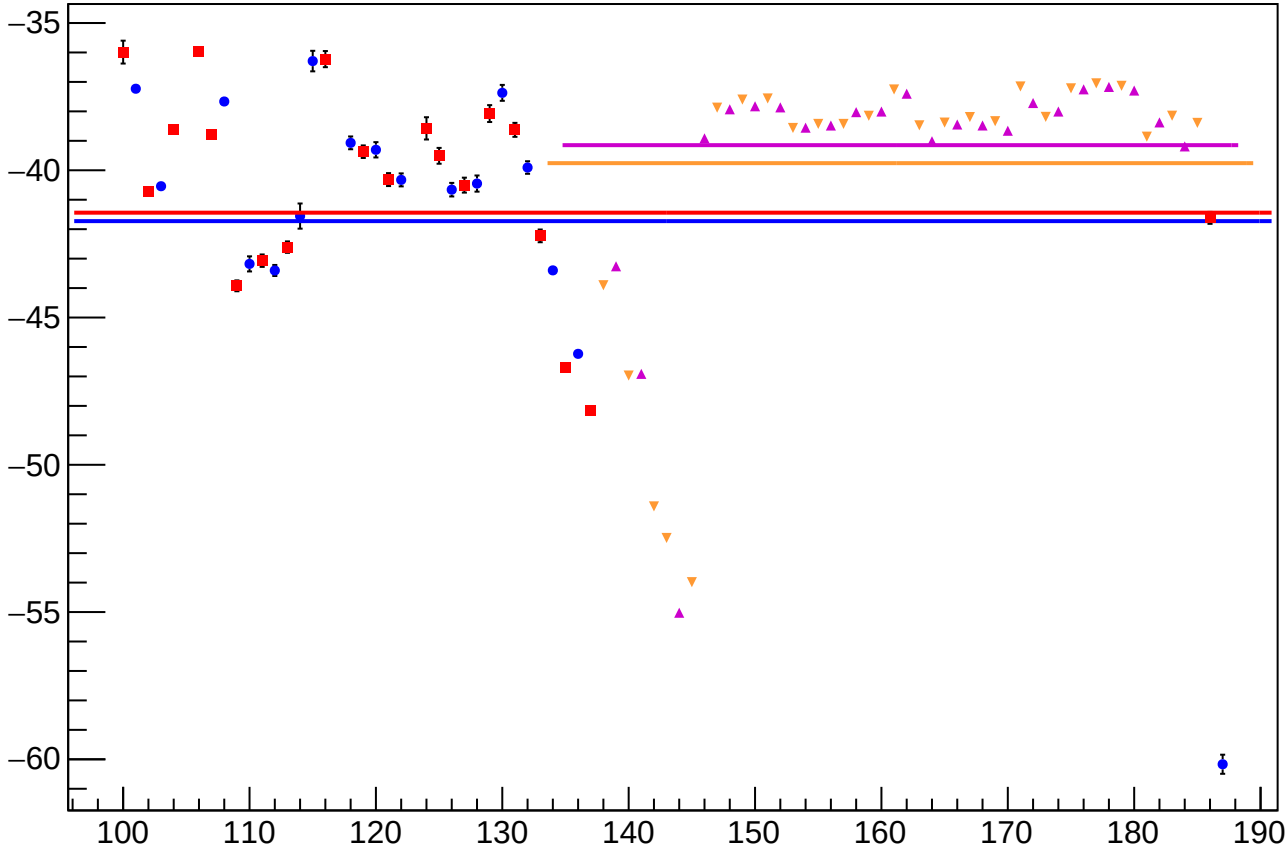
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 16.321+/-0.304 χ^2/NDF: 2225.4/41

All: 16.189+/-0.217 χ^2/NDF: 4074.8/84

- sign 16.050+/-0.311 χ^2/NDF: 1849.0/42

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.727+/-0.038 χ^2/NDF: 11192.2/16

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

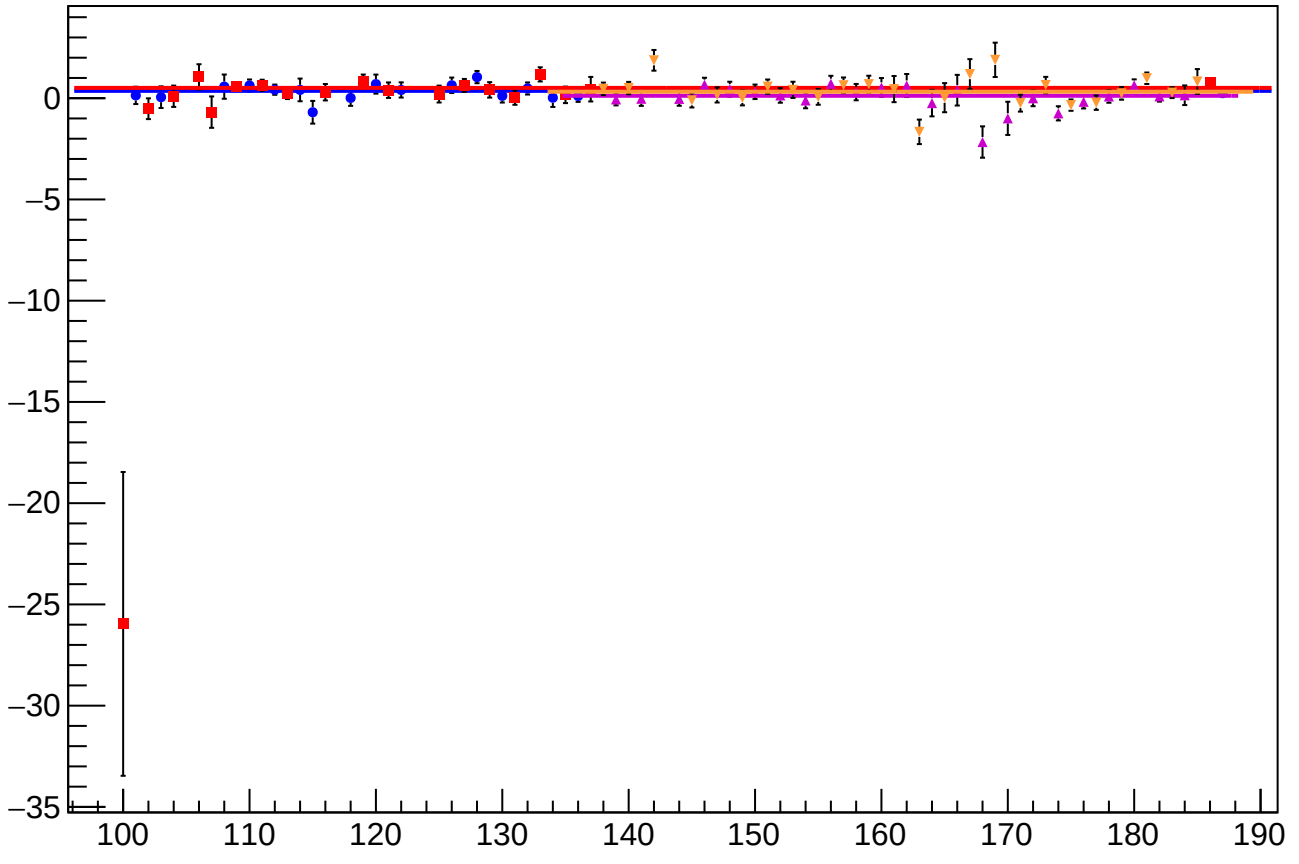
Right Out: -41.440+/-0.039 χ^2/NDF: 8226.2/19

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.039+/-0.014 χ^2/NDF: 95376.4/41

All: -39.757+/-0.010 χ^2/NDF: 154307.1/84

- sign -39.467+/-0.014 χ^2/NDF: 58140.3/42



Right In: 0.363+/-0.085 χ^2/NDF: 14.3/16

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.509+/-0.080 χ^2/NDF: 32.0/18

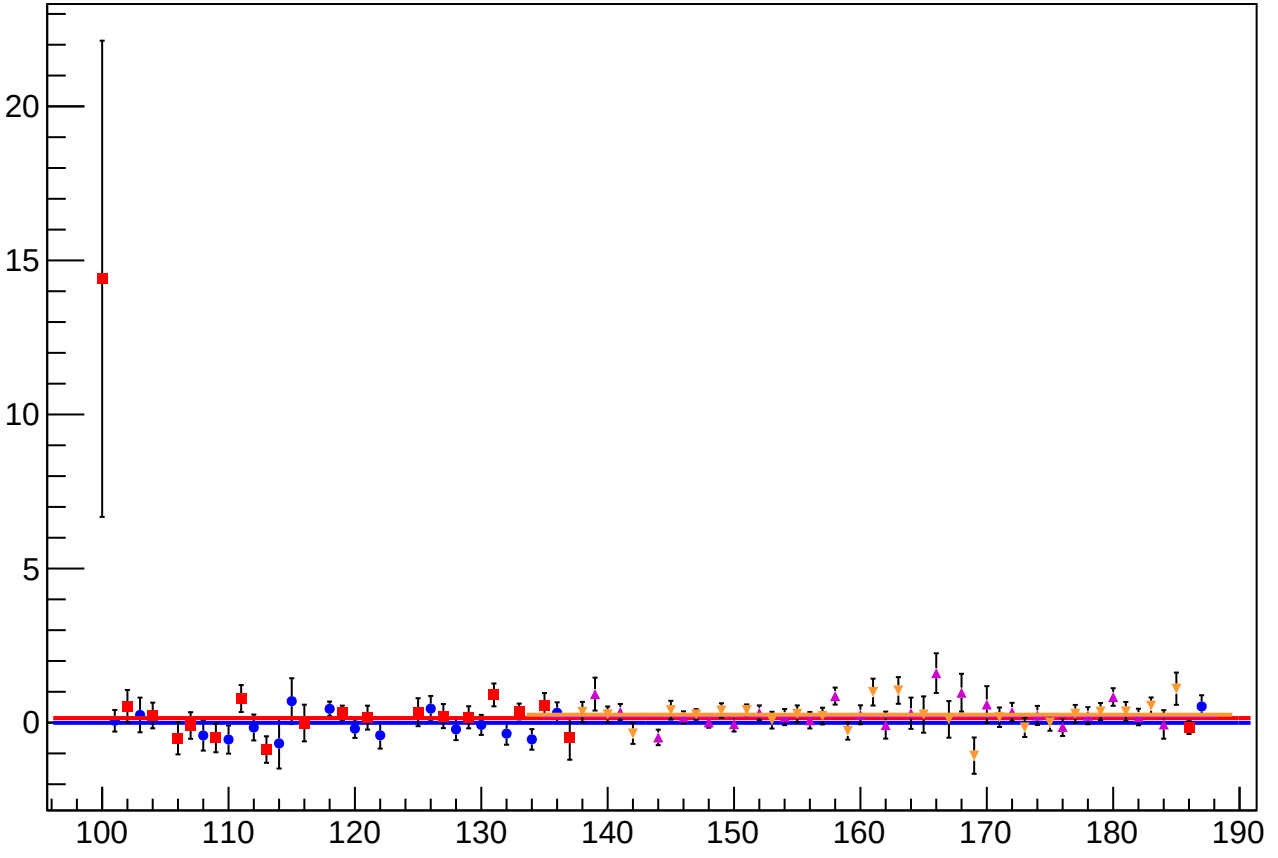
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.340+/-0.058 χ^2/NDF: 61.3/40

All: 0.327+/-0.040 χ^2/NDF: 135.4/82

- sign 0.314+/-0.056 χ^2/NDF: 73.9/41

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.007+/-0.091 χ^2/NDF: 17.3/16

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.148+/-0.086 χ^2/NDF: 25.1/18

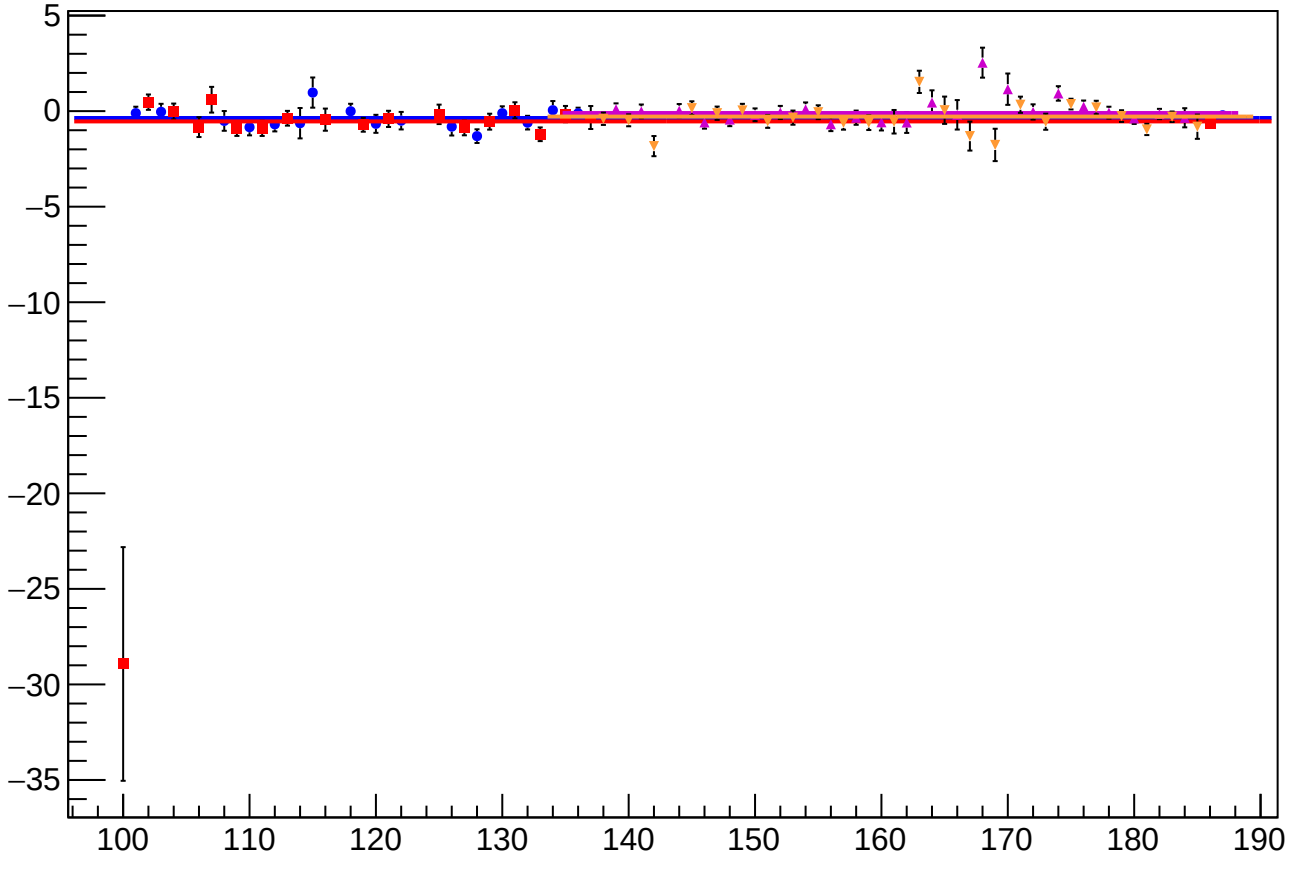
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.178+/-0.050 χ^2/NDF: 49.7/40

All: 0.183+/-0.035 χ^2/NDF: 107.0/82

- sign 0.188+/-0.050 χ^2/NDF: 57.3/41

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.360+/-0.090 χ^2/NDF: 18.6/16

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.538+/-0.083 χ^2/NDF: 43.1/18

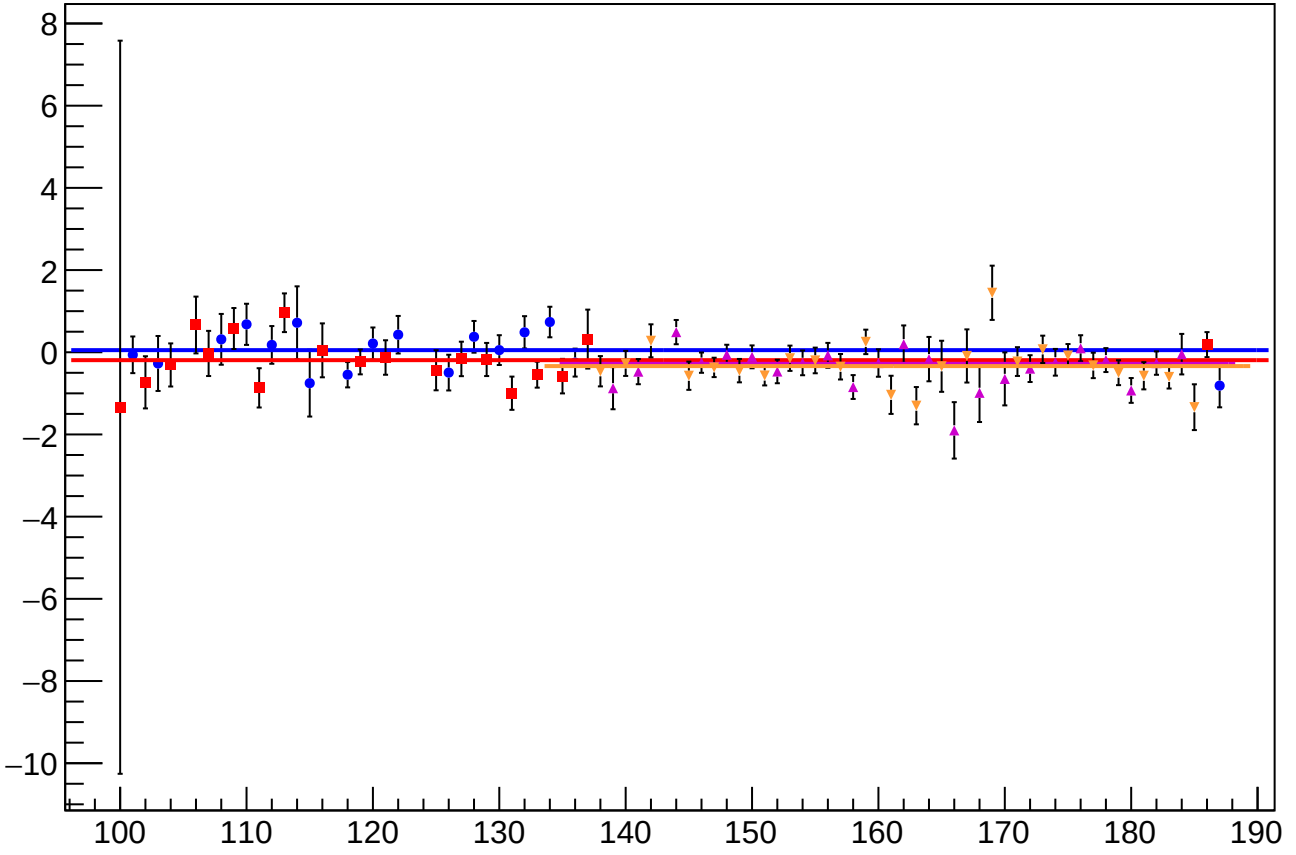
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.318+/-0.059 χ^2/NDF: 64.0/40

All: -0.313+/-0.041 χ^2/NDF: 155.2/82

- sign -0.308+/-0.057 χ^2/NDF: 91.2/41

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.052+/-0.106 χ^2/NDF: 18.7/16

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.192+/-0.103 χ^2/NDF: 21.4/18

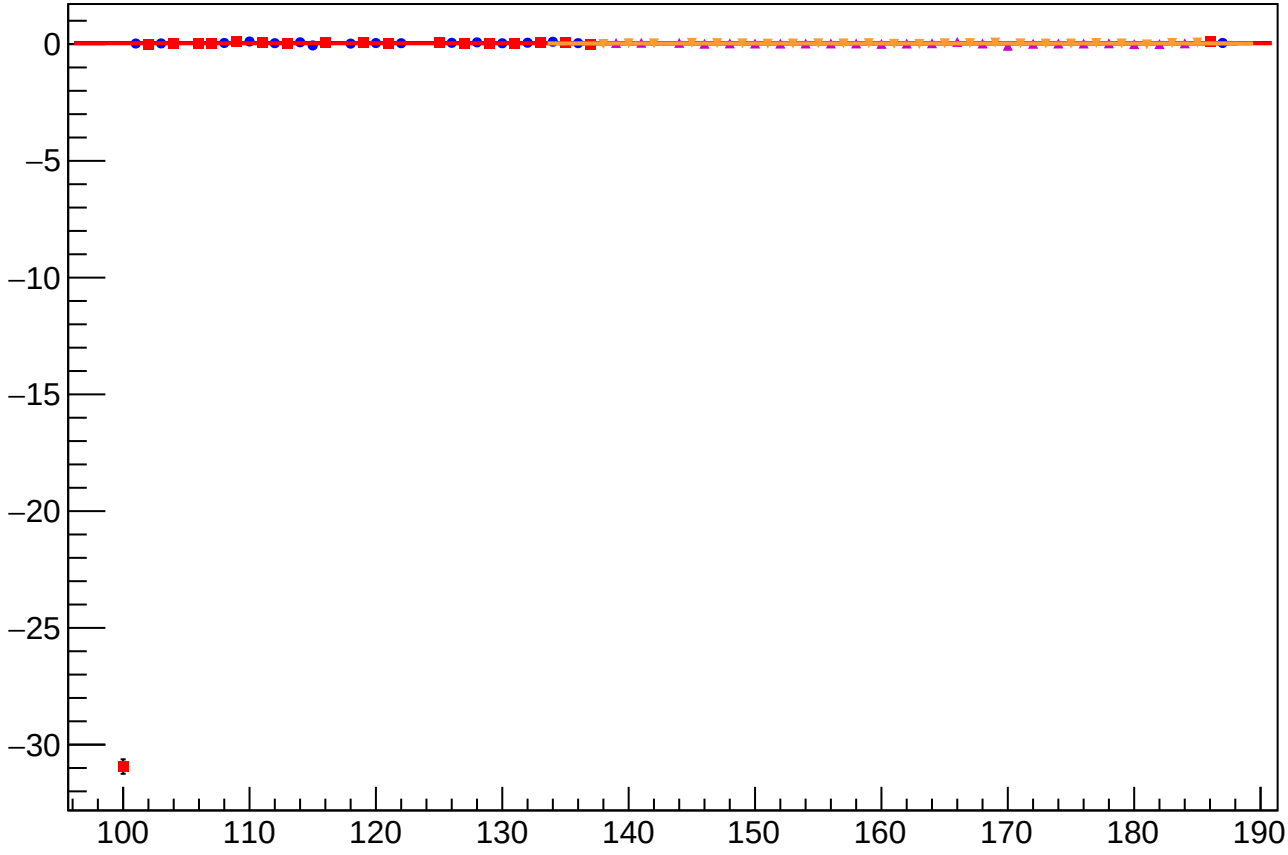
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.224+/-0.057 χ^2/NDF: 58.3/40

All: -0.239+/-0.041 χ^2/NDF: 109.3/82

- sign -0.254+/-0.057 χ^2/NDF: 50.9/41

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/16

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.035+/-0.006 χ^2/NDF: 10036.0/18

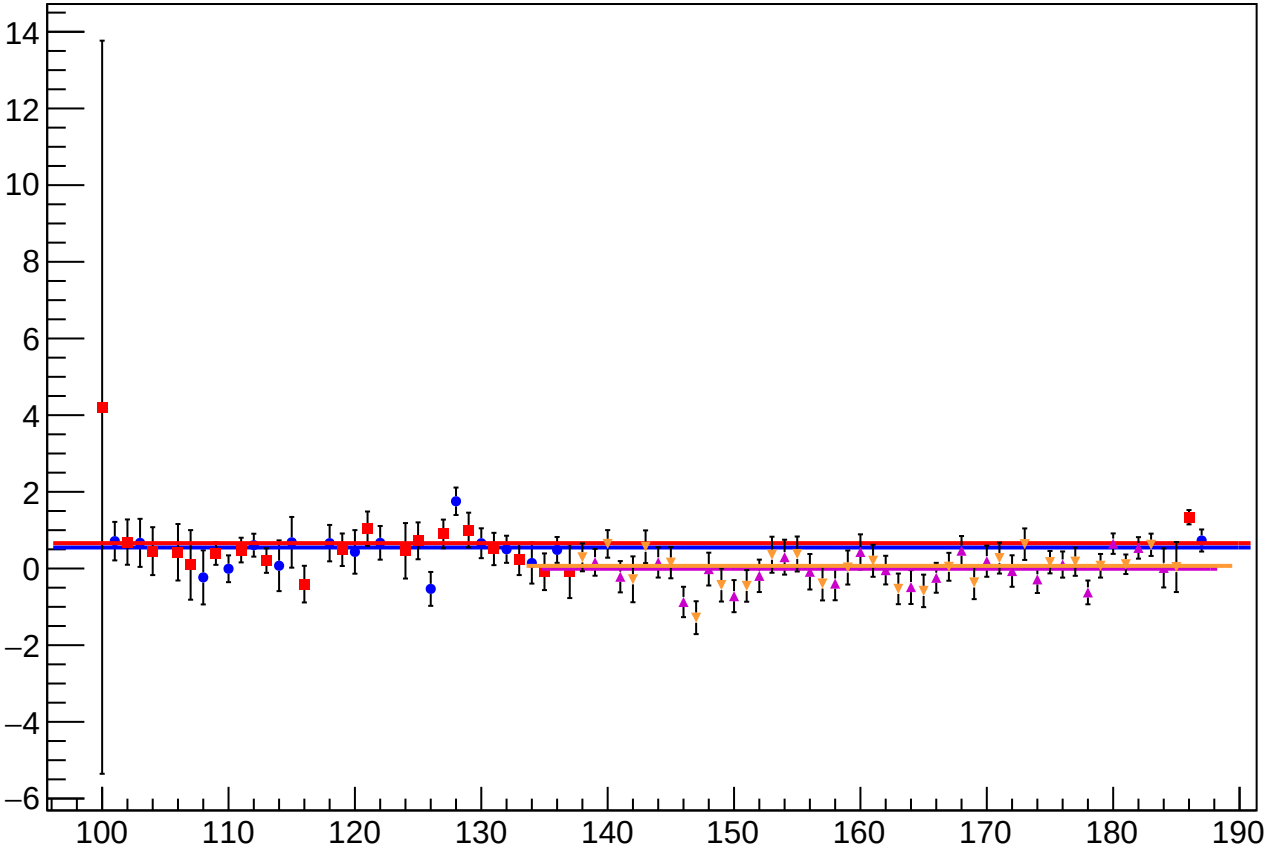
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.032+/-0.003 χ^2/NDF: 55.8/40

All: 0.031+/-0.002 χ^2/NDF: 10131.5/82

- sign 0.031+/-0.003 χ^2/NDF: 10075.5/41

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.548+/-0.102 χ^2/NDF: 23.1/16

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.662+/-0.092 χ^2/NDF: 28.6/19

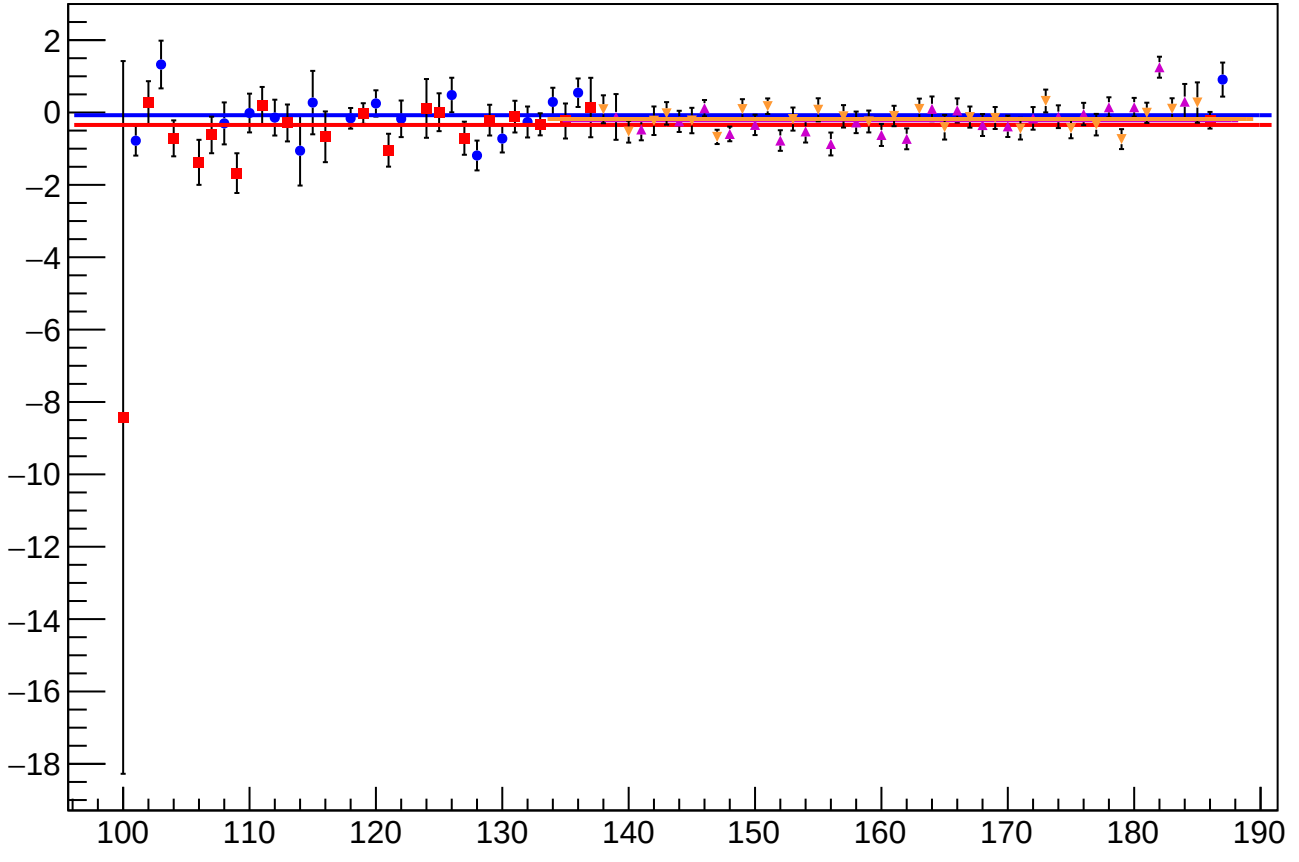
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.245+/-0.061 χ^2/NDF: 68.4/41

All: 0.263+/-0.043 χ^2/NDF: 156.0/84

- sign 0.280+/-0.060 χ^2/NDF: 87.5/42

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.075+/-0.109 χ^2/NDF: 29.2/16

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.344+/-0.100 χ^2/NDF: 18.6/19

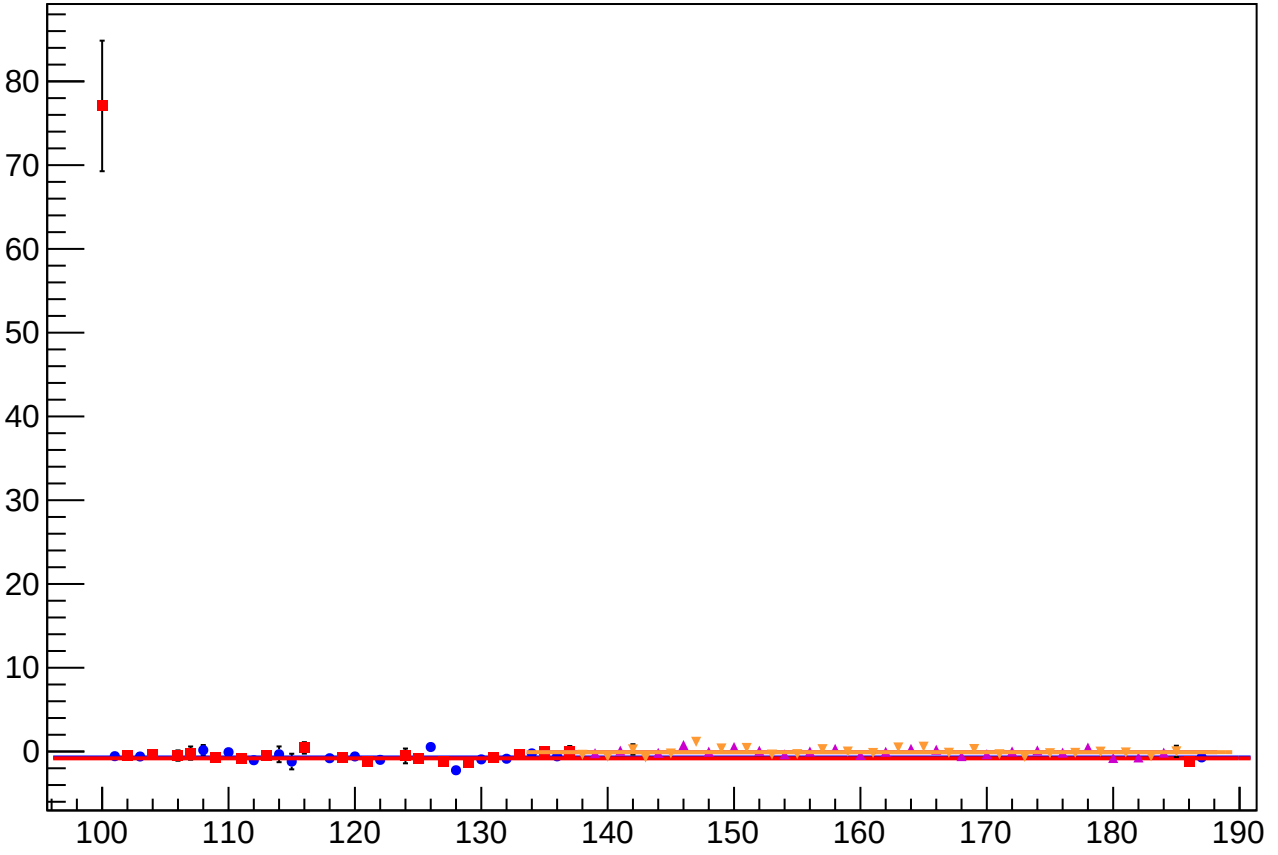
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.156+/-0.052 χ^2/NDF: 54.6/41

All: -0.203+/-0.037 χ^2/NDF: 129.7/84

- sign -0.251+/-0.052 χ^2/NDF: 73.4/42

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.711+/-0.108 χ^2/NDF: 24.9/16

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.816+/-0.094 χ^2/NDF: 119.0/19

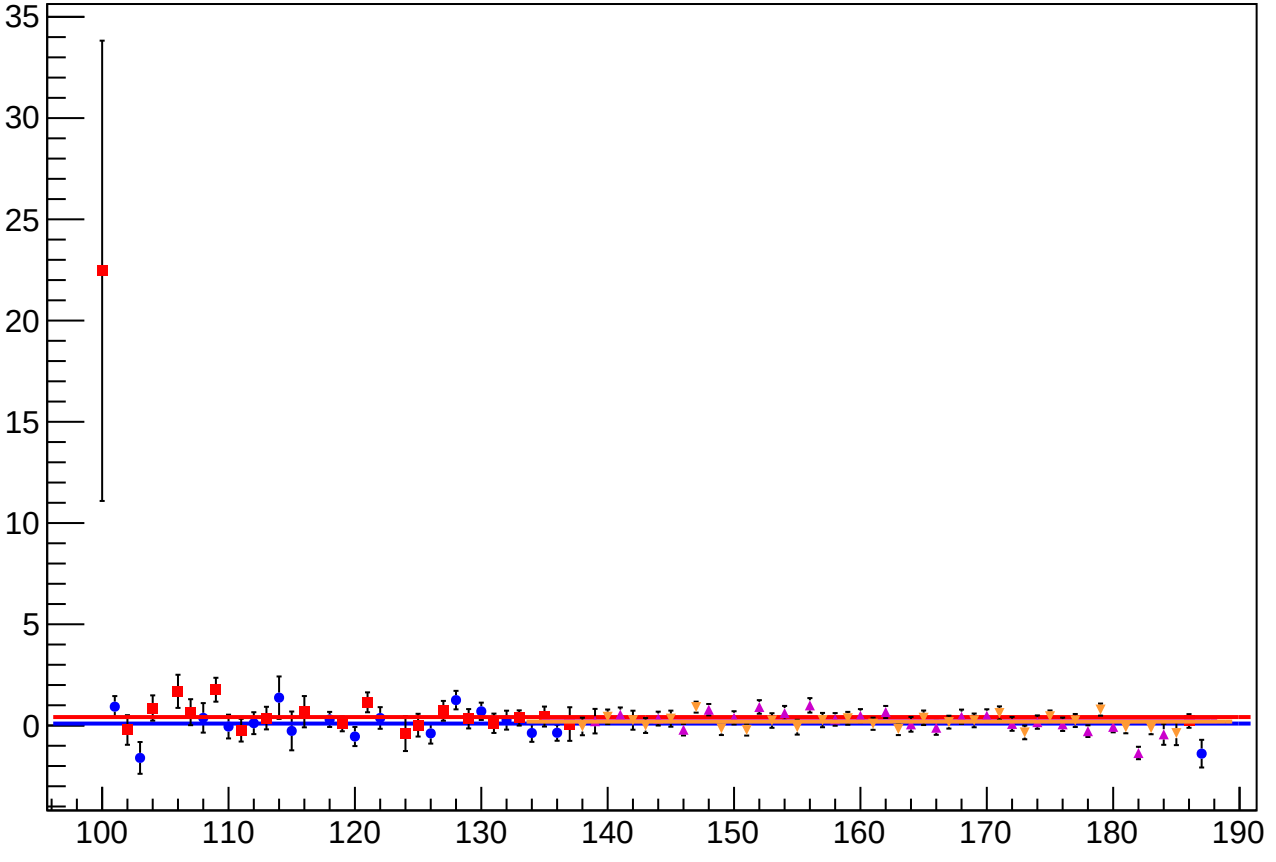
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.289+/-0.063 χ^2/NDF: 77.7/41

All: -0.336+/-0.043 χ^2/NDF: 262.4/84

- sign -0.379+/-0.060 χ^2/NDF: 183.6/42

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.096+/-0.126 χ^2/NDF: 28.2/16

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.417+/-0.120 χ^2/NDF: 20.1/19

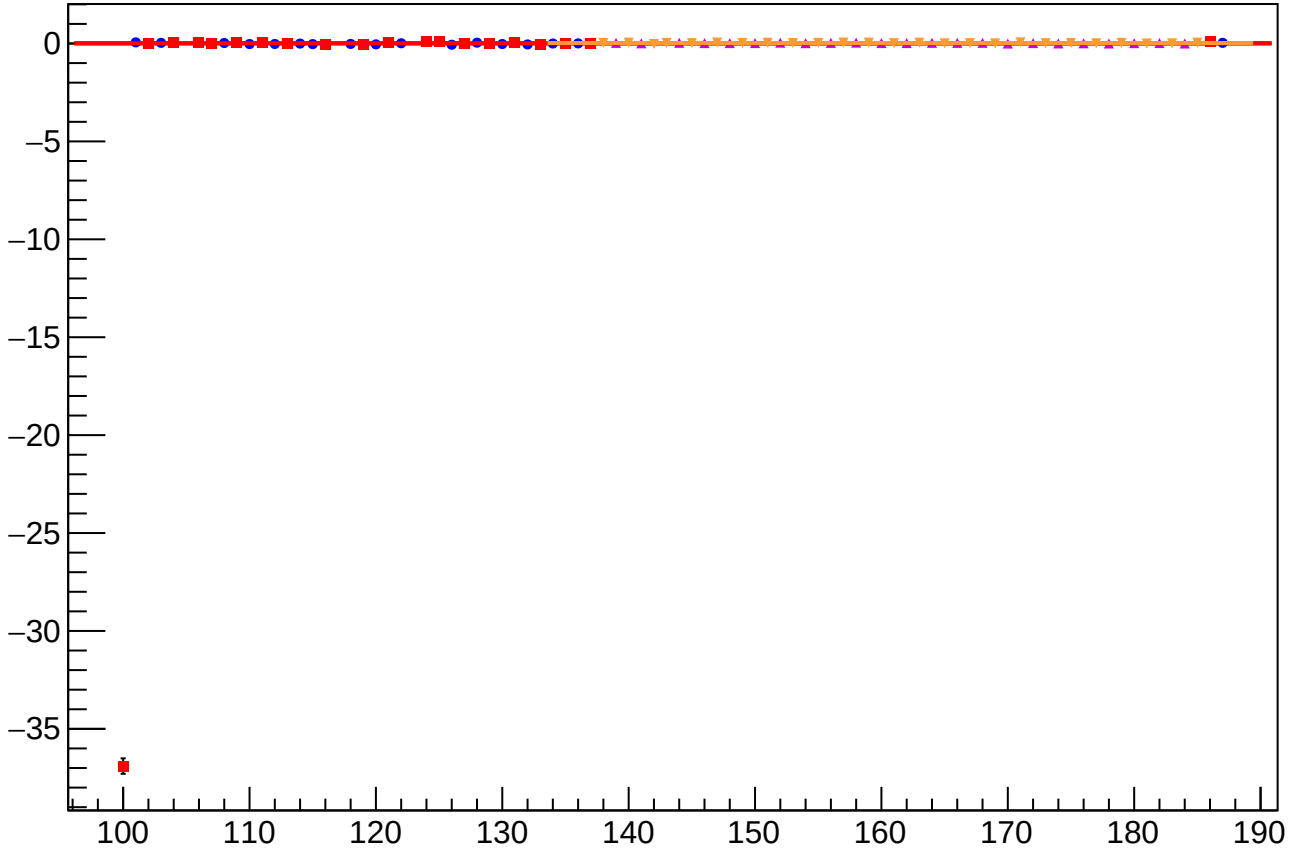
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.172+/-0.059 χ^2/NDF: 54.5/41

All: 0.218+/-0.042 χ^2/NDF: 133.0/84

- sign 0.266+/-0.060 χ^2/NDF: 77.3/42

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.007+/-0.007 χ^2/NDF: 18.1/16

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.011+/-0.007 χ^2/NDF: 8769.8/19

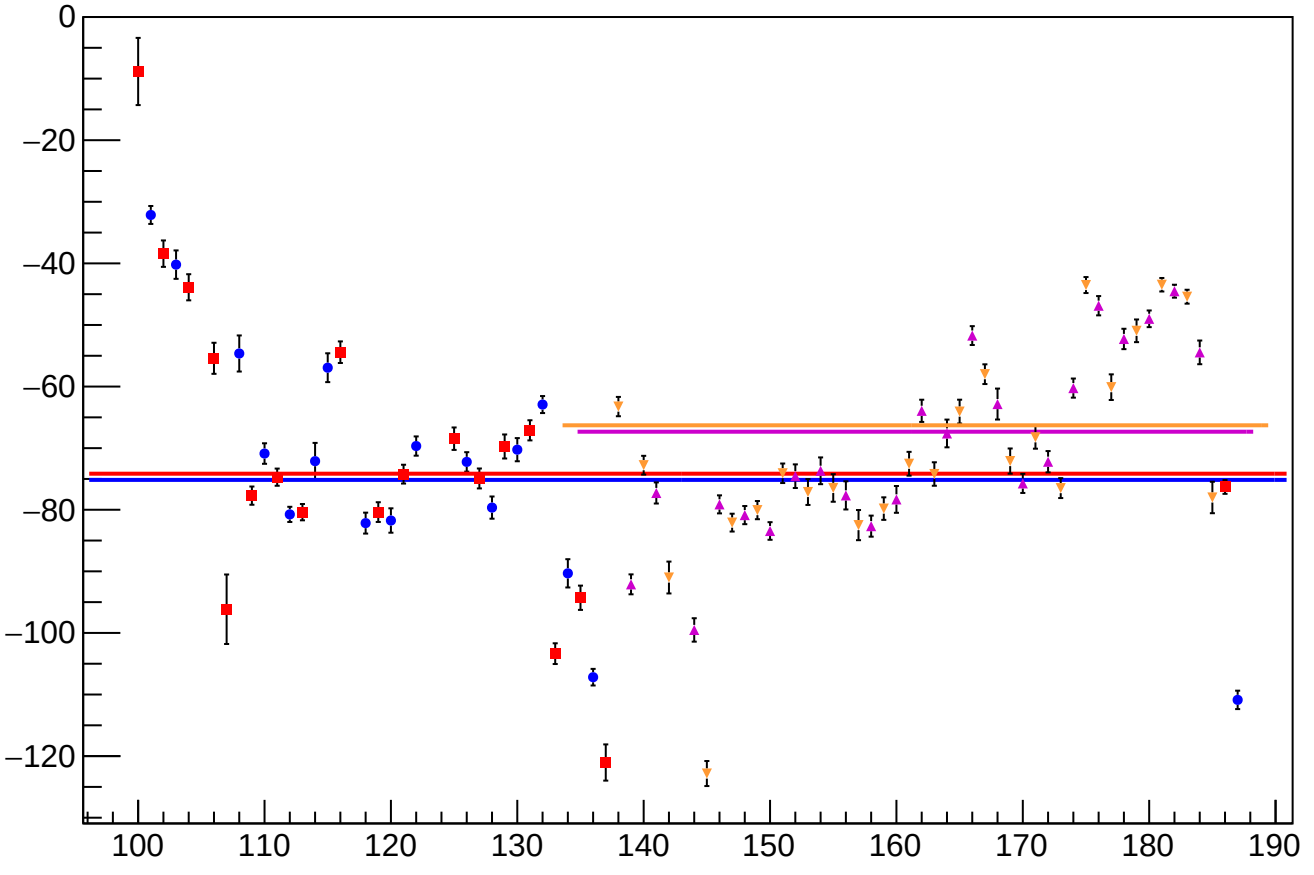
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.022+/-0.003 χ^2/NDF: 52.9/41

All: 0.022+/-0.002 χ^2/NDF: 8843.7/84

- sign 0.022+/-0.003 χ^2/NDF: 8790.7/42

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -75.154+/-0.415 χ^2/NDF: 2554.3/16

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -74.147+/-0.402 χ^2/NDF: 1561.9/18

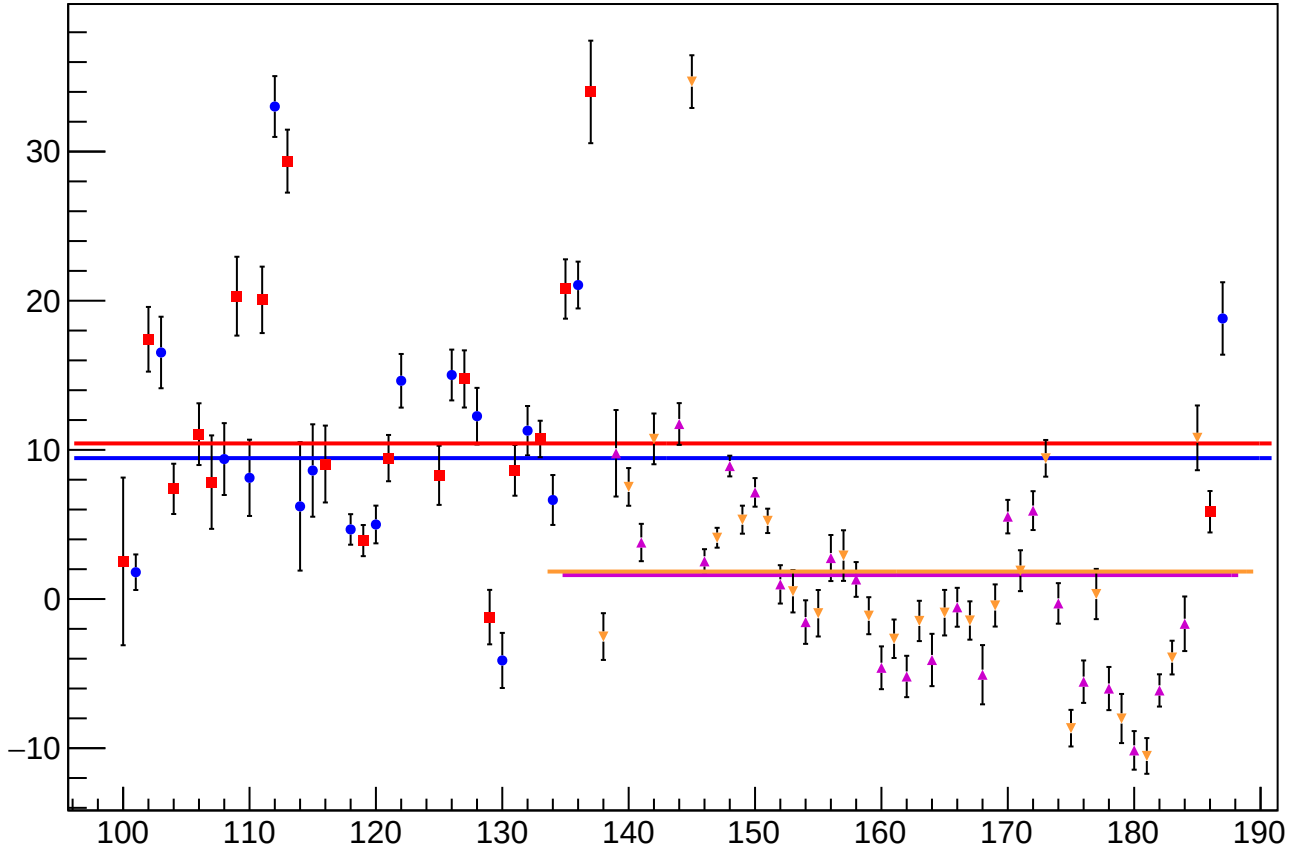
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.897+/-0.265 χ^2/NDF: 5375.3/40

All: -70.062+/-0.186 χ^2/NDF: 9206.1/82

- sign -70.223+/-0.262 χ^2/NDF: 3830.0/41

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 9.447+/-0.419 χ^2/NDF: 367.4/16

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.432+/-0.420 χ^2/NDF: 302.2/18

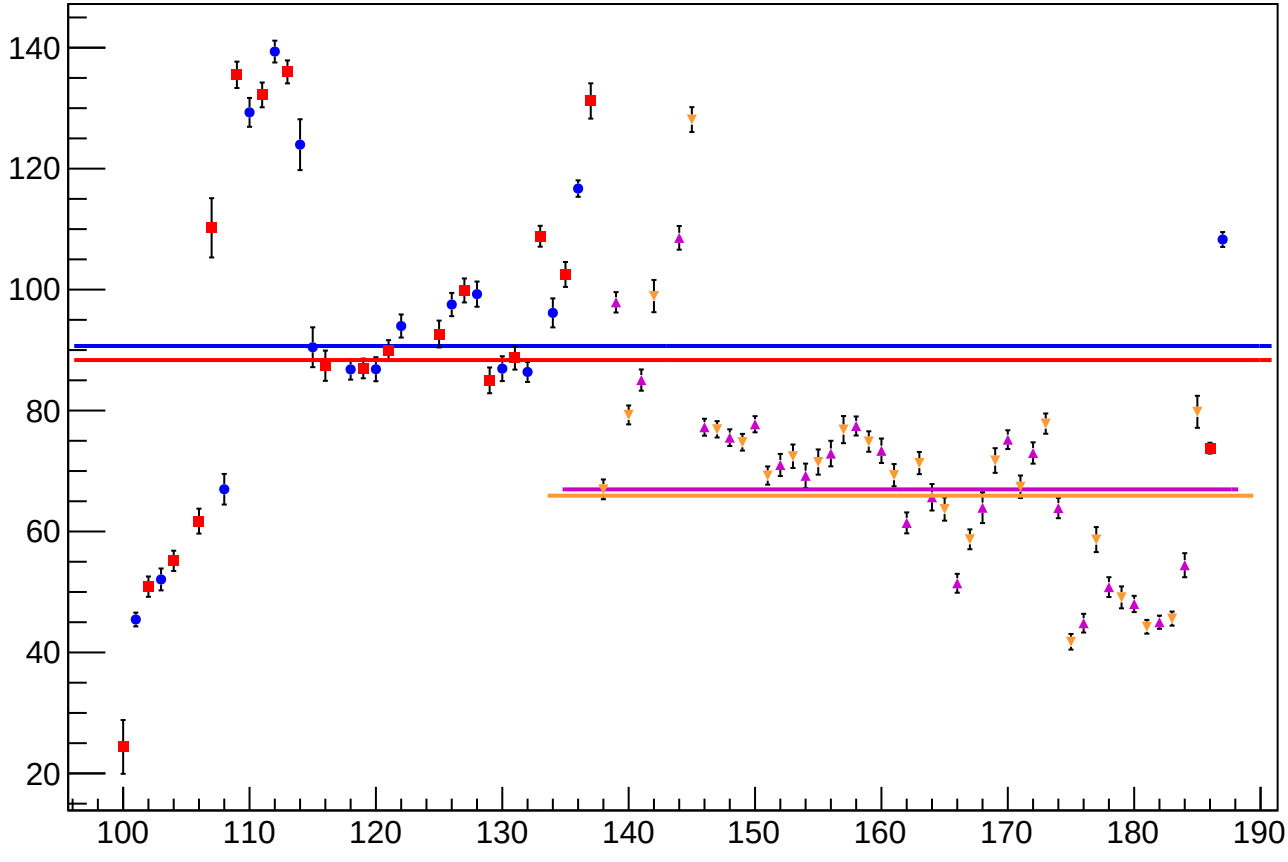
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 3.893+/-0.217 χ^2/NDF: 1389.8/40

All: 3.962+/-0.155 χ^2/NDF: 2509.6/82

\- sign 4.033+/-0.220 χ^2/NDF: 1119.6/41

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 90.673+/-0.438 χ^2/NDF: 3797.3/16

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 88.349+/-0.425 χ^2/NDF: 3553.4/18

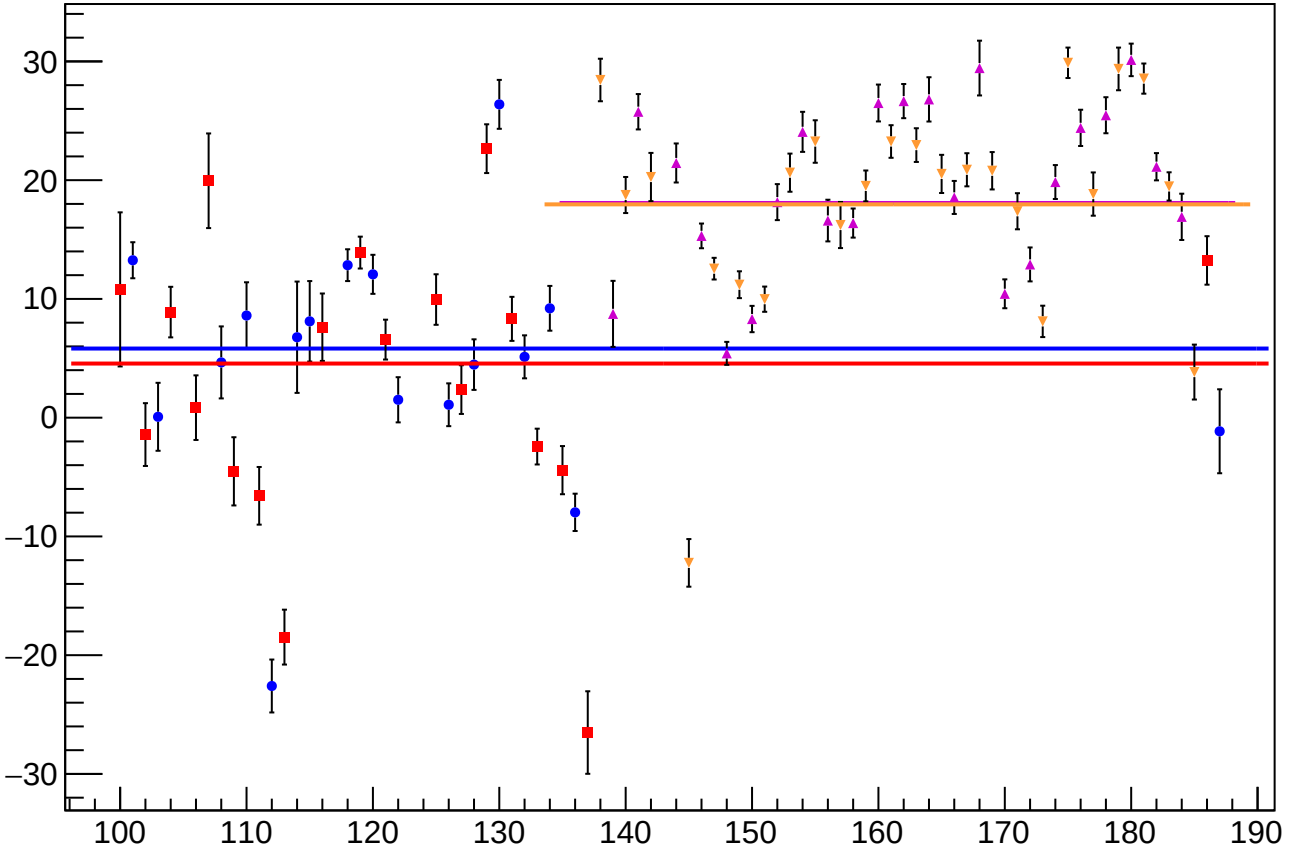
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 75.252+/-0.269 χ^2/NDF: 8344.3/40

All: 75.298+/-0.189 χ^2/NDF: 15658.0/82

- sign 75.343+/-0.266 χ^2/NDF: 7313.6/41

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.822+/-0.490 χ^2/NDF: 430.7/16

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.558+/-0.494 χ^2/NDF: 436.9/18

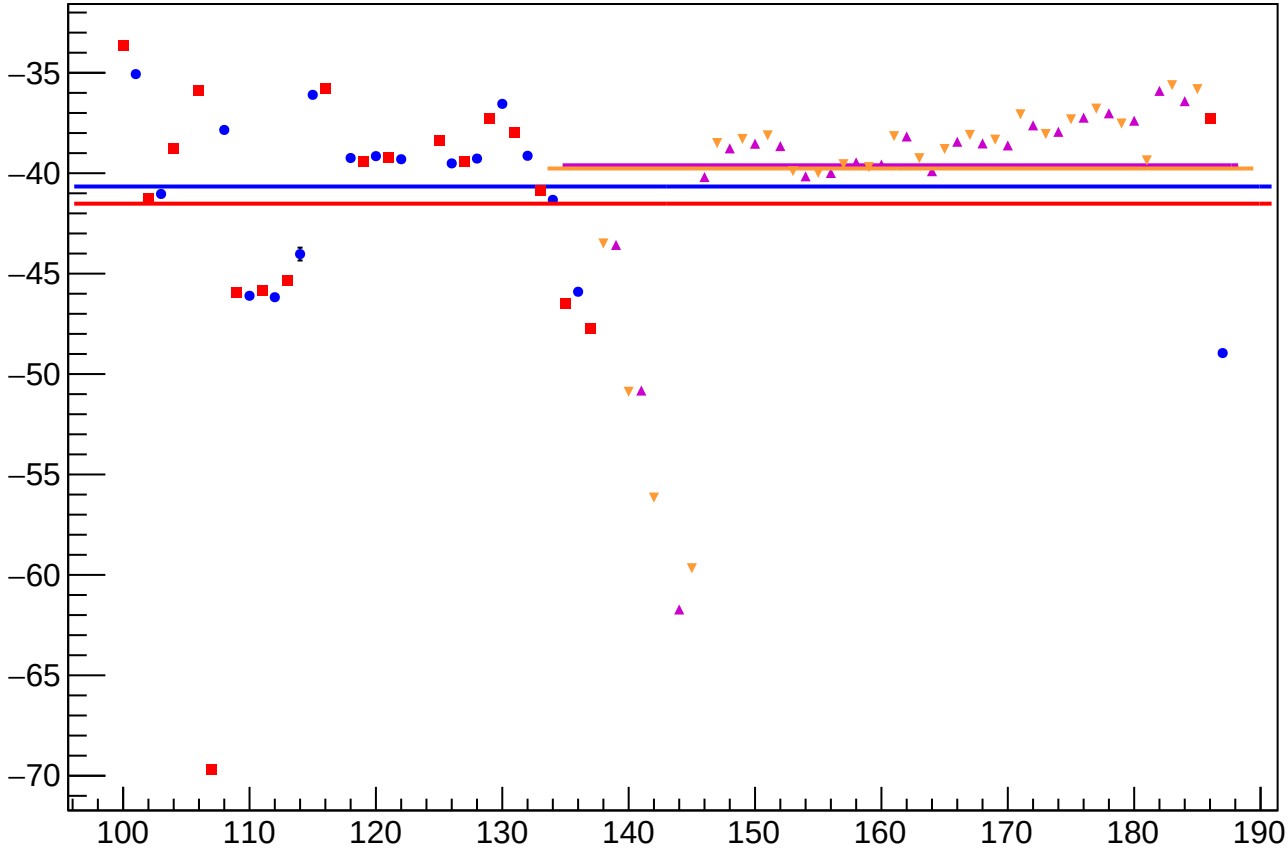
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.781+/-0.251 χ^2/NDF: 1616.1/40

All: 14.658+/-0.178 χ^2/NDF: 3210.2/82

- sign 14.532+/-0.253 χ^2/NDF: 1593.6/41

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.662+/-0.028 χ^2/NDF: 19933.7/16

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.516+/-0.029 χ^2/NDF: 37710.6/18

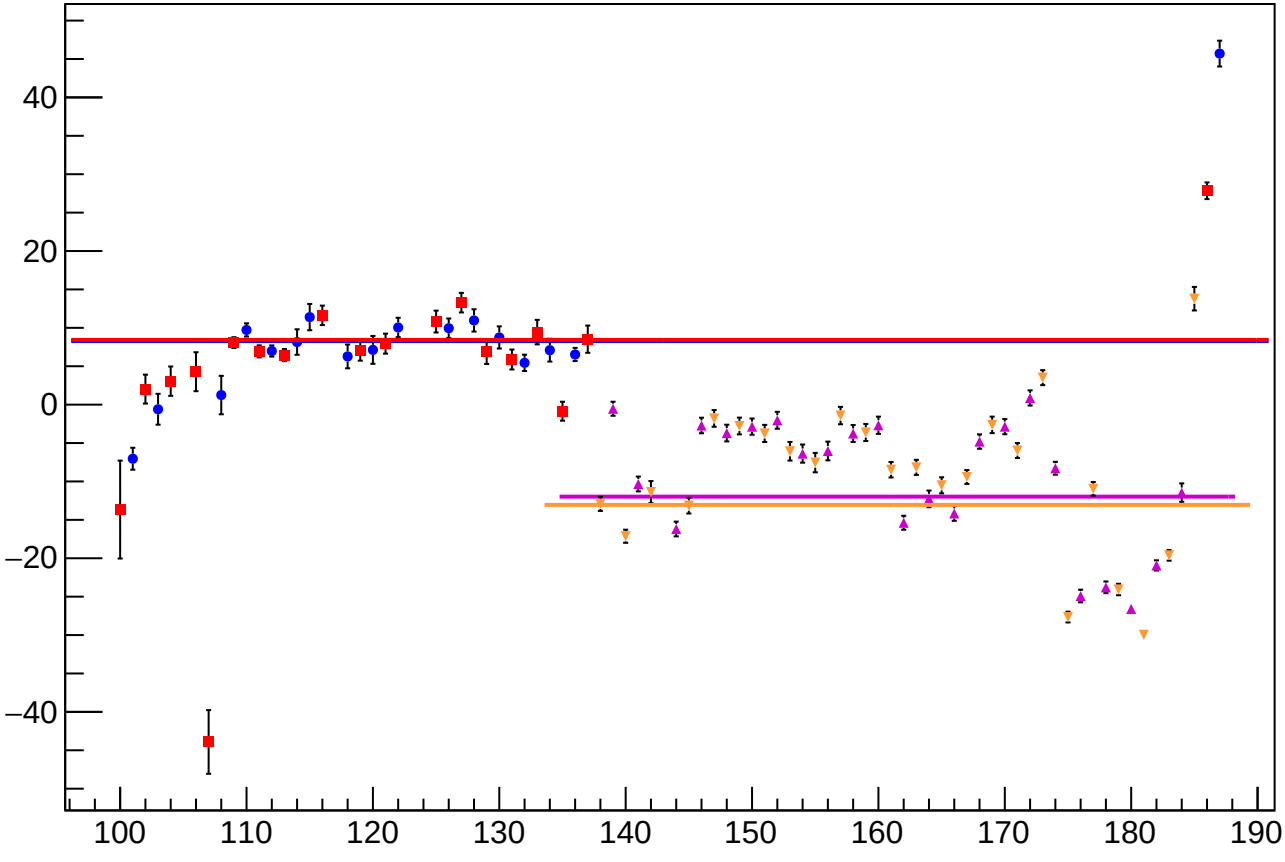
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.933+/-0.012 χ^2/NDF: 150661.2/40

All: -39.940+/-0.009 χ^2/NDF: 298652.1/82

- sign -39.947+/-0.012 χ^2/NDF: 147990.2/41

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.277+/-0.304 χ^2/NDF: 668.5/16

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 8.430+/-0.288 χ^2/NDF: 609.5/18

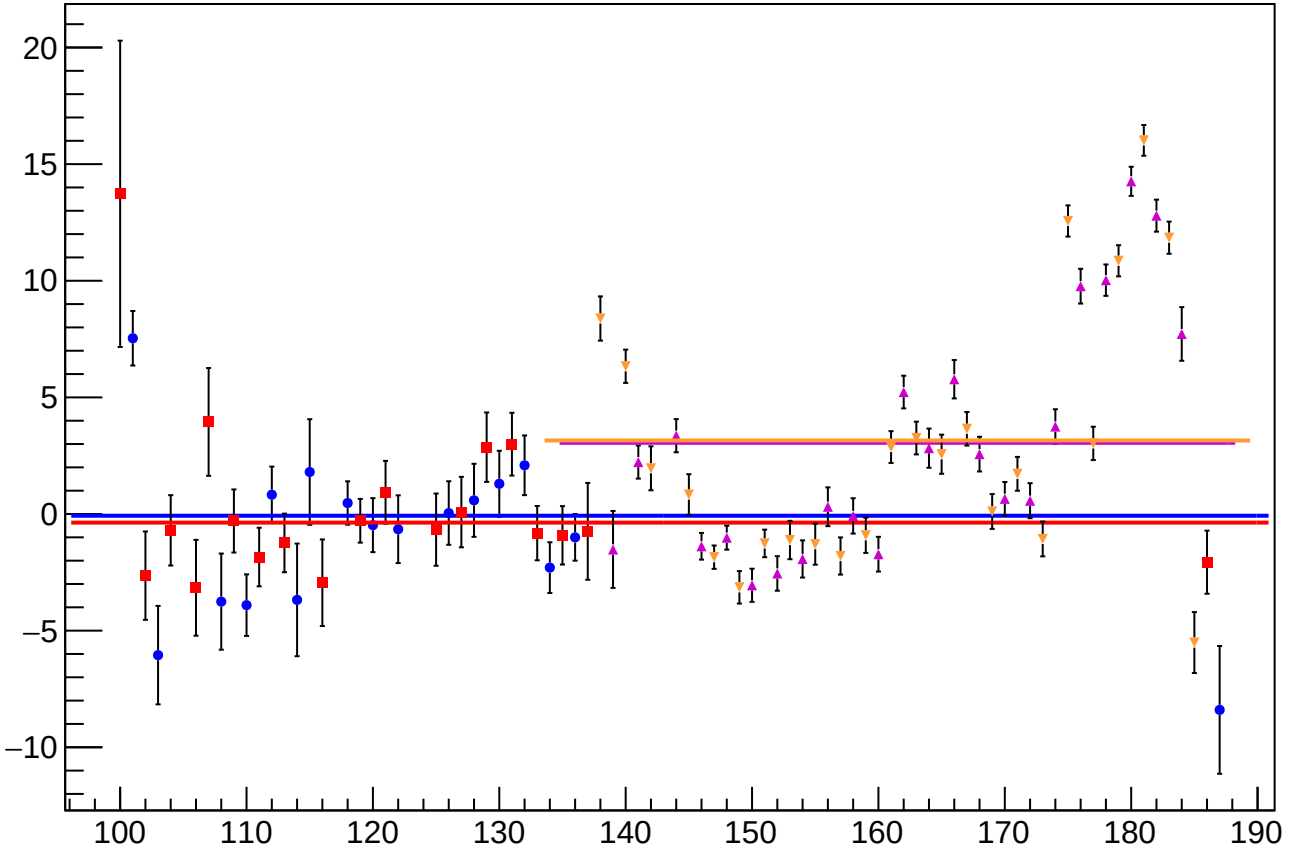
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -6.941+/-0.163 χ^2/NDF: 7045.6/40

All: -6.229+/-0.115 χ^2/NDF: 13314.8/82

\- sign -5.527+/-0.162 χ^2/NDF: 6231.2/41

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.074+/-0.329 χ^2/NDF: 84.4/16

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.369+/-0.334 χ^2/NDF: 29.2/18

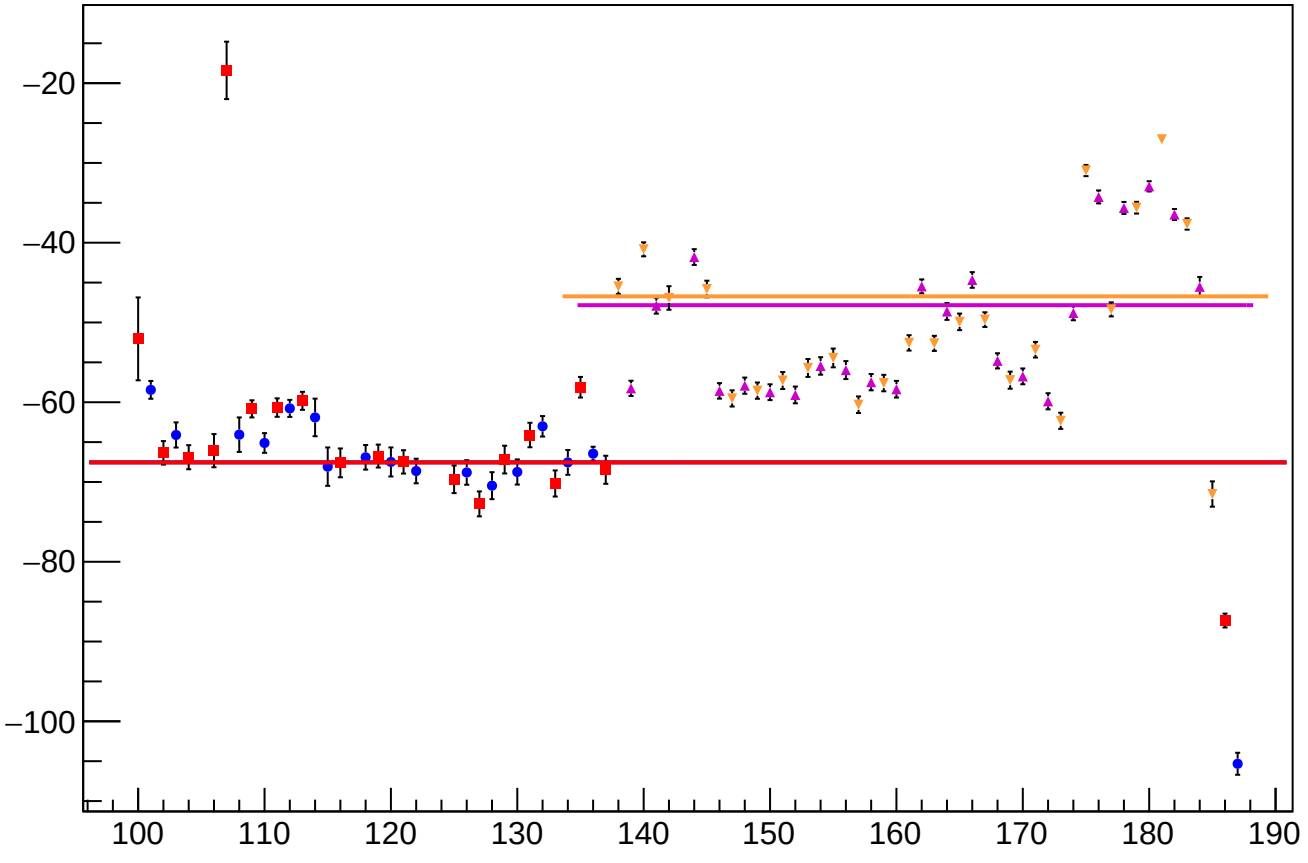
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.603+/-0.136 χ^2/NDF: 1549.2/40

All: 2.536+/-0.097 χ^2/NDF: 2811.1/82

- sign 2.467+/-0.138 χ^2/NDF: 1261.4/41

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -67.532+/-0.343 χ^2/NDF: 890.4/16

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -67.546+/-0.333 χ^2/NDF: 909.5/18

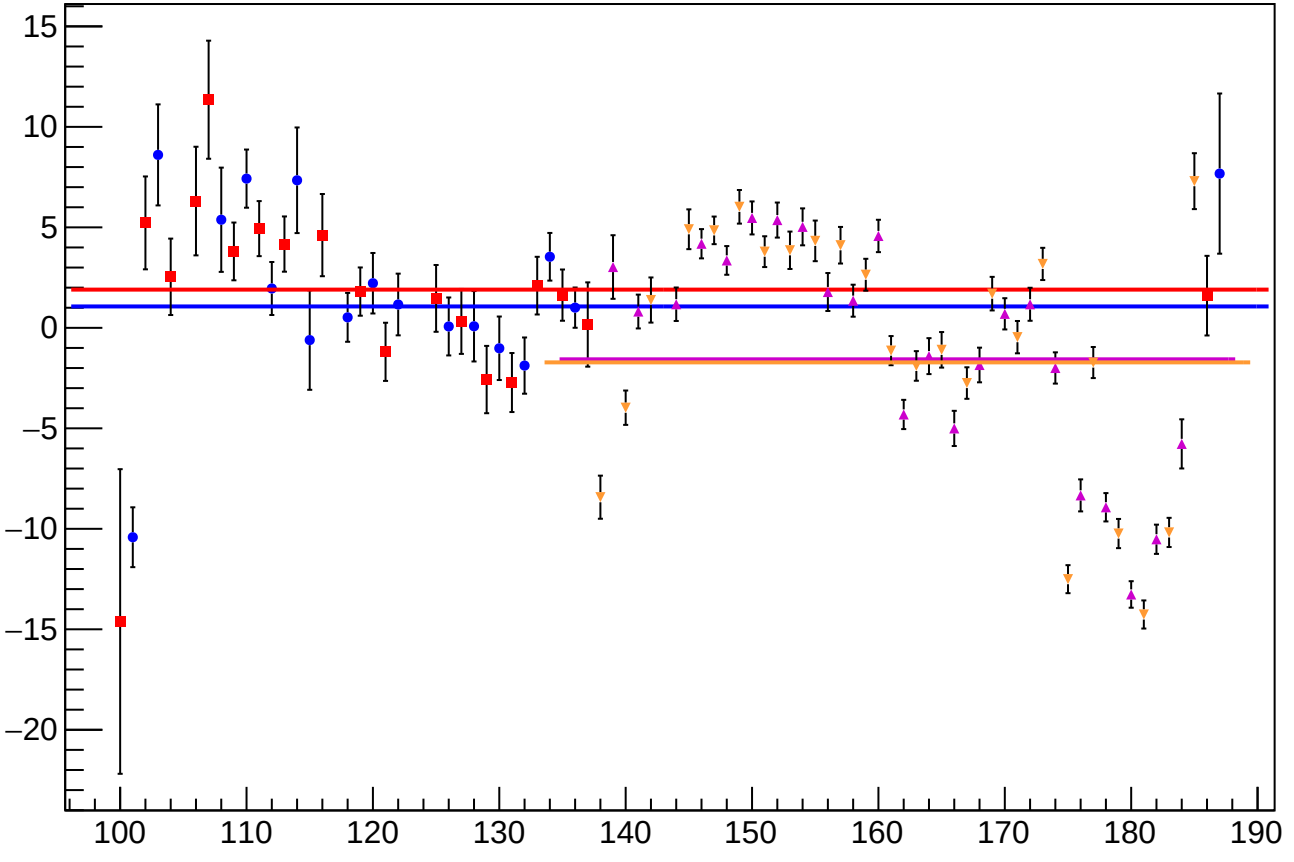
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -51.673+/-0.167 χ^2/NDF: 7142.8/40

All: -52.246+/-0.118 χ^2/NDF: 13249.7/82

- sign -52.822+/-0.168 χ^2/NDF: 6083.2/41

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.065+/-0.374 χ^2/NDF: 112.0/16

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 1.902+/-0.382 χ^2/NDF: 54.5/18

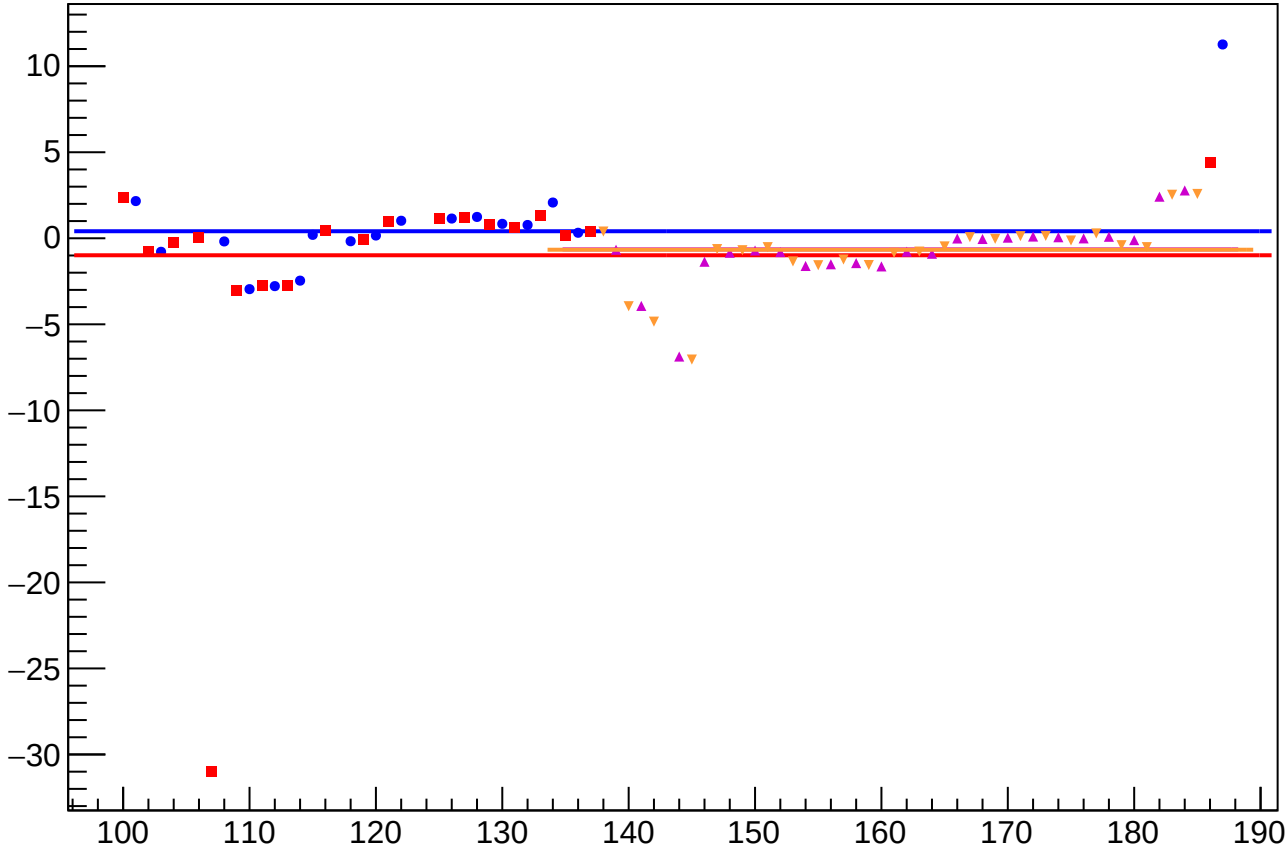
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -1.252+/-0.153 χ^2/NDF: 1564.2/40

All: -1.123+/-0.109 χ^2/NDF: 2806.5/82

- sign -0.991+/-0.156 χ^2/NDF: 1240.9/41

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.409+/-0.021 χ^2/NDF: 7288.3/16

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.987+/-0.022 χ^2/NDF: 47873.1/18

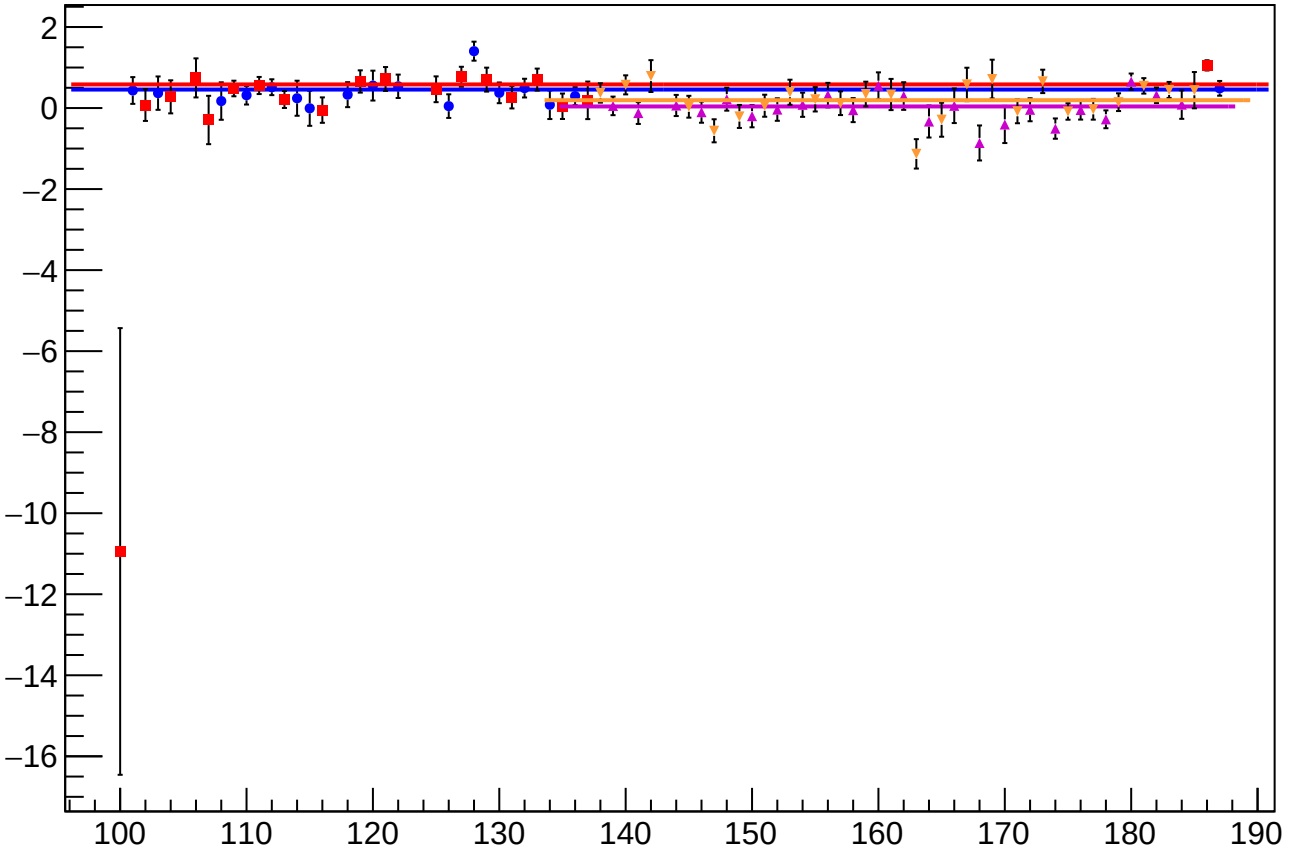
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.543+/-0.007 χ^2/NDF: 64893.7/40

All: -0.612+/-0.005 χ^2/NDF: 158743.7/82

- sign -0.682+/-0.007 χ^2/NDF: 93658.8/41

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.456+/-0.066 χ^2/NDF: 22.7/16

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.583+/-0.061 χ^2/NDF: 36.6/18

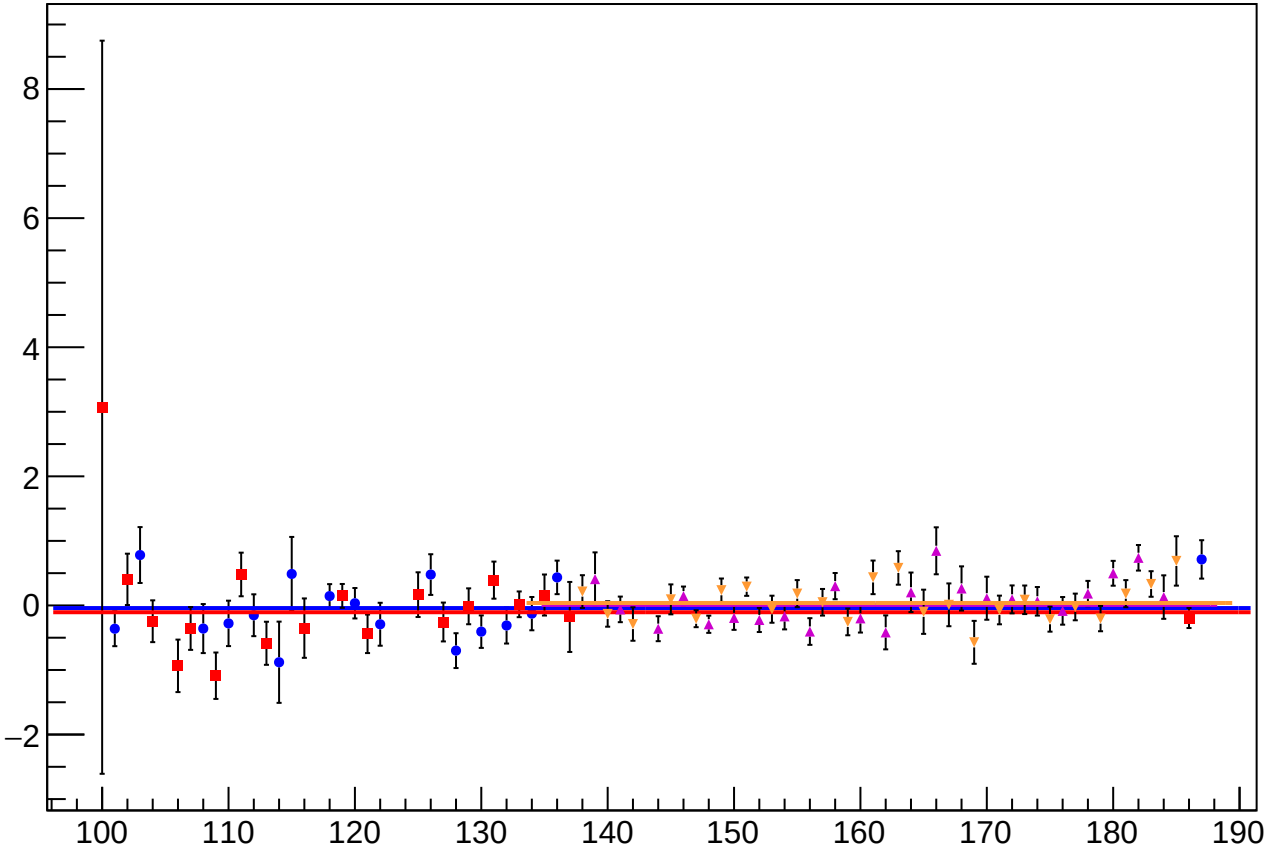
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.305+/-0.043 χ^2/NDF: 75.9/40

All: 0.300+/-0.030 χ^2/NDF: 185.1/82

- sign 0.296+/-0.042 χ^2/NDF: 109.1/41

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.041+/-0.071 χ^2/NDF: 32.2/16

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.105+/-0.066 χ^2/NDF: 28.3/18

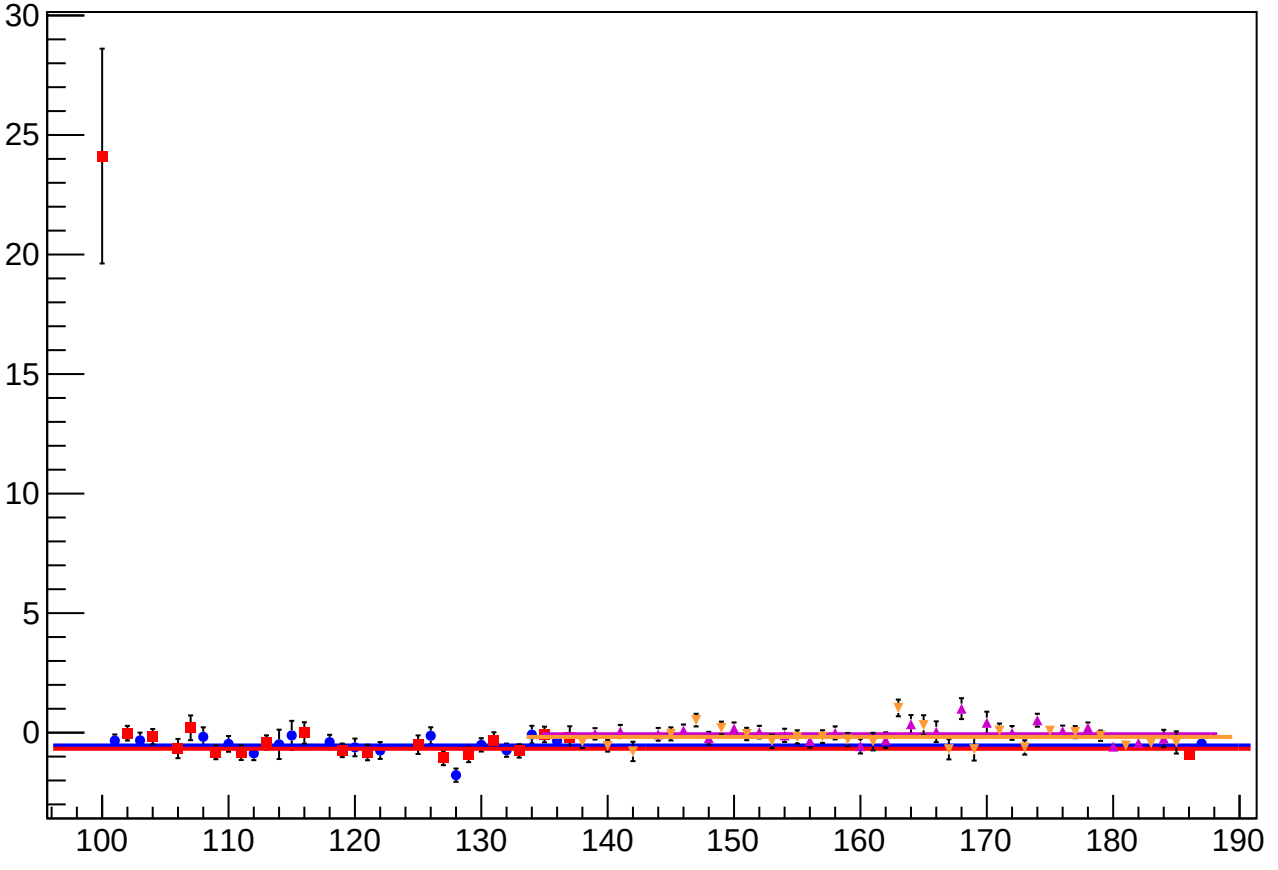
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.017+/-0.037 χ^2/NDF: 65.9/40

All: -0.005+/-0.026 χ^2/NDF: 148.2/82

- sign -0.027+/-0.037 χ^2/NDF: 81.7/41

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.536+/-0.070 χ^2/NDF: 28.7/16

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.673+/-0.063 χ^2/NDF: 56.9/18

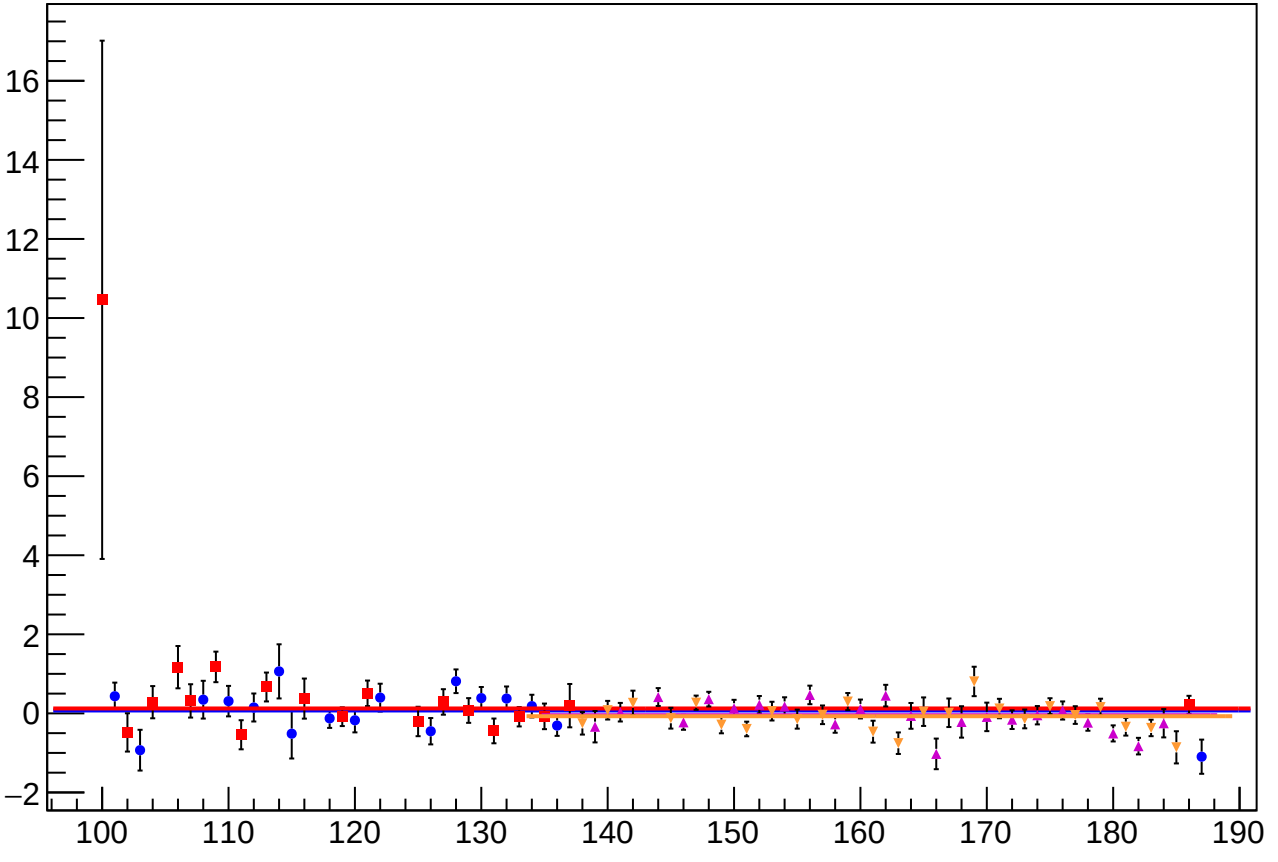
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.318+/-0.044 χ^2/NDF: 86.6/40

All: -0.329+/-0.030 χ^2/NDF: 226.3/82

- sign -0.339+/-0.042 χ^2/NDF: 139.6/41

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.074+/-0.082 χ^2/NDF: 31.2/16

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.124+/-0.079 χ^2/NDF: 29.2/18

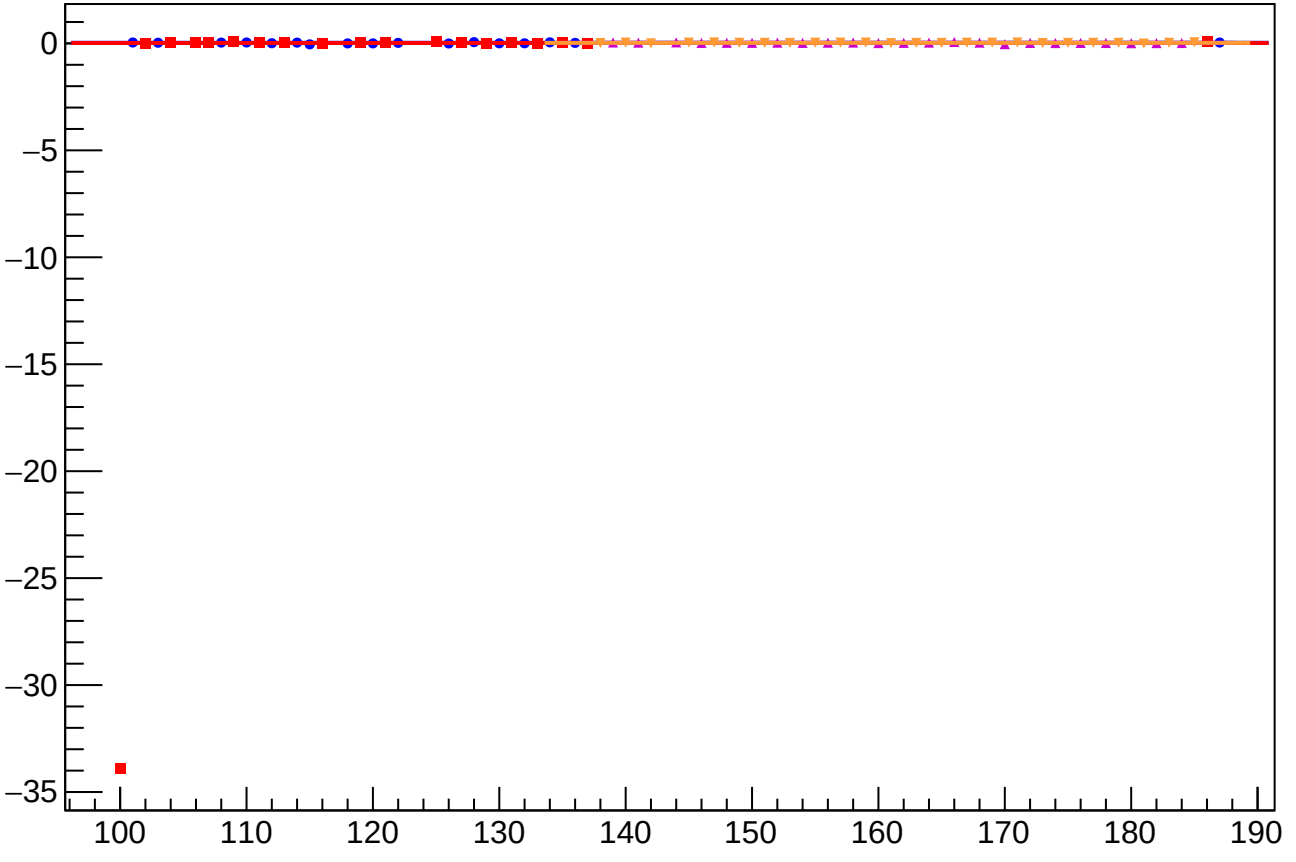
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.033+/-0.042 χ^2/NDF: 71.2/40

All: -0.016+/-0.030 χ^2/NDF: 154.5/82

- sign 0.002+/-0.042 χ^2/NDF: 83.0/41

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.028+/-0.005 χ^2/NDF: 15.0/16

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.020+/-0.005 χ^2/NDF: 22295.8/18

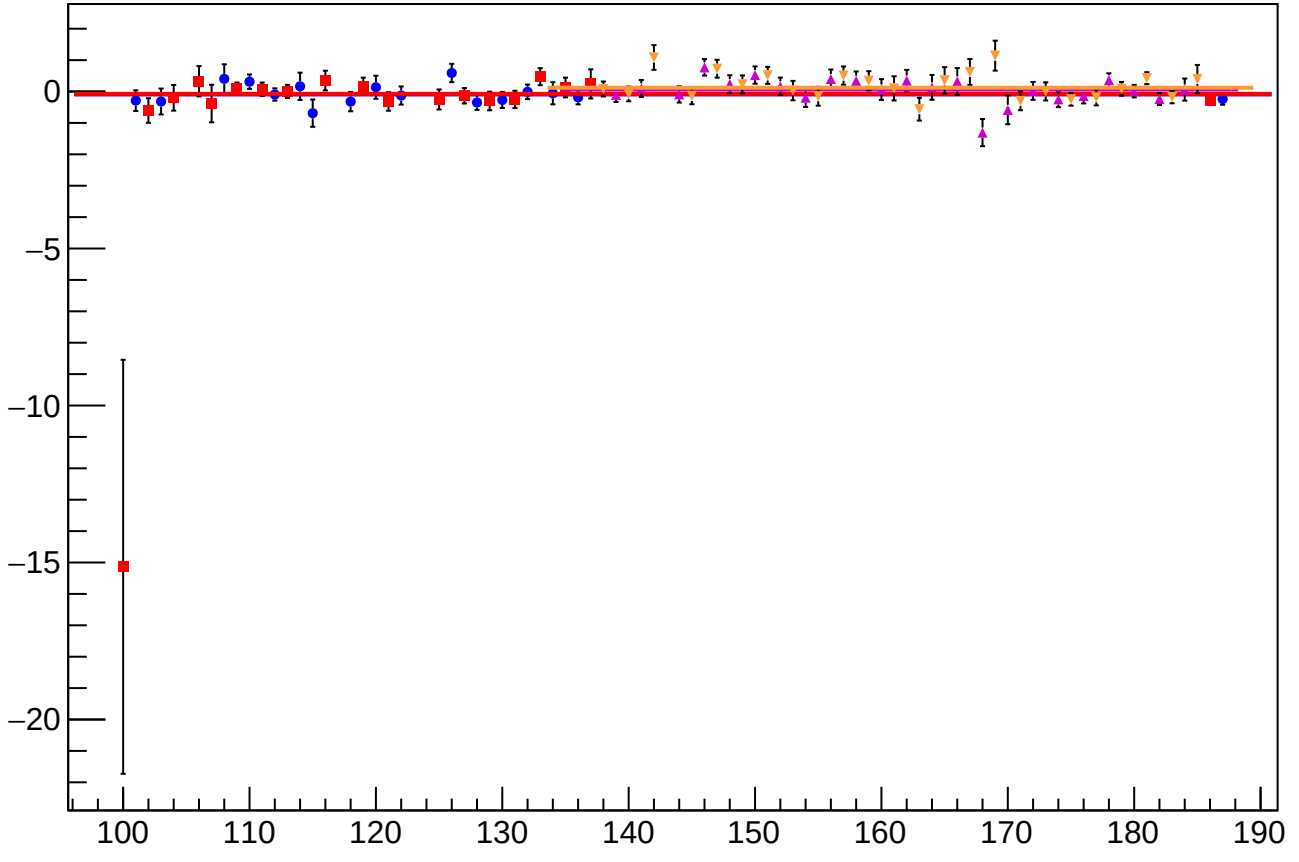
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.027+/-0.002 χ^2/NDF: 46.5/40

All: 0.026+/-0.001 χ^2/NDF: 22383.6/82

- sign 0.025+/-0.002 χ^2/NDF: 22336.8/41

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.093+/-0.066 χ^2/NDF: 16.3/16

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.074+/-0.061 χ^2/NDF: 22.1/18

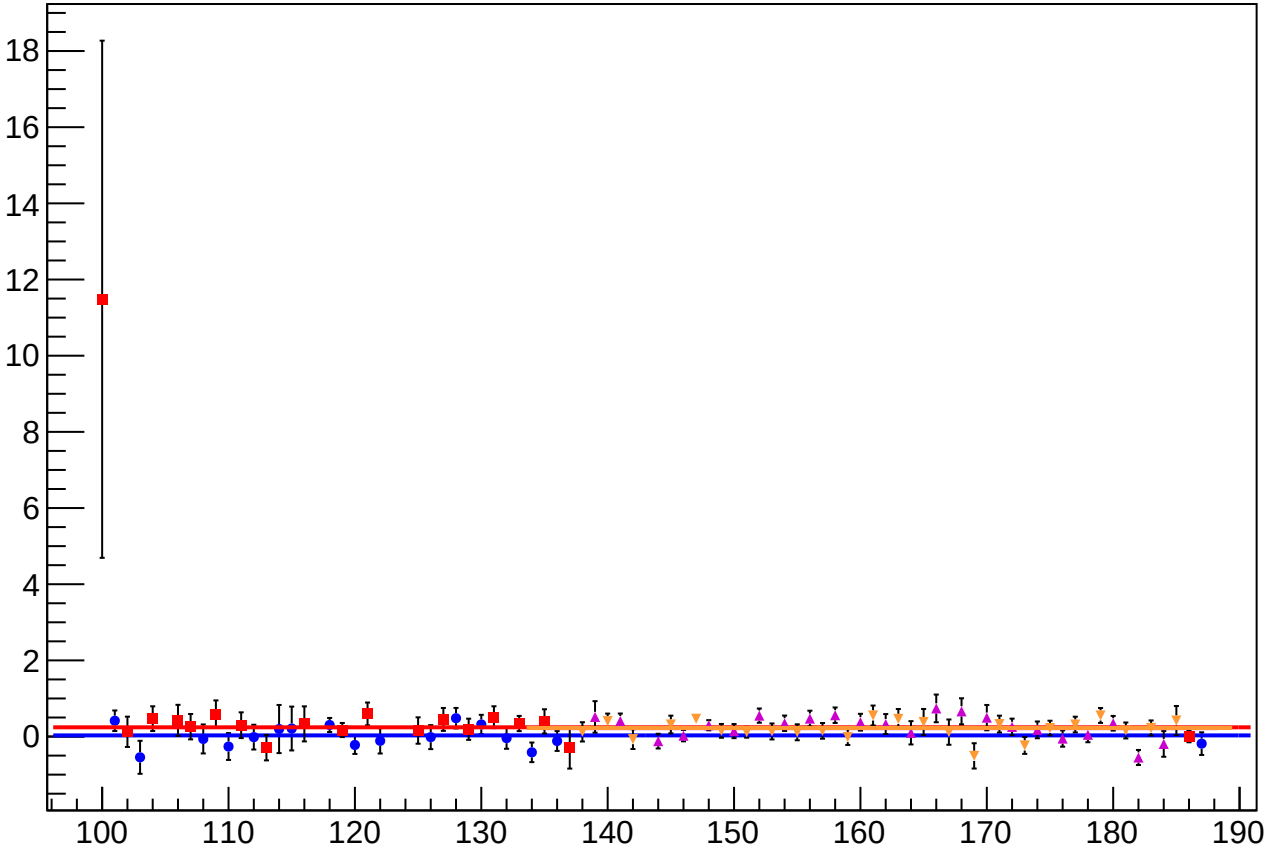
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.031+/-0.043 χ^2/NDF: 61.9/40

All: 0.014+/-0.030 χ^2/NDF: 121.3/82

- sign -0.002+/-0.042 χ^2/NDF: 59.1/41

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.030+/-0.071 χ^2/NDF: 16.3/16

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.243+/-0.067 χ^2/NDF: 13.9/18

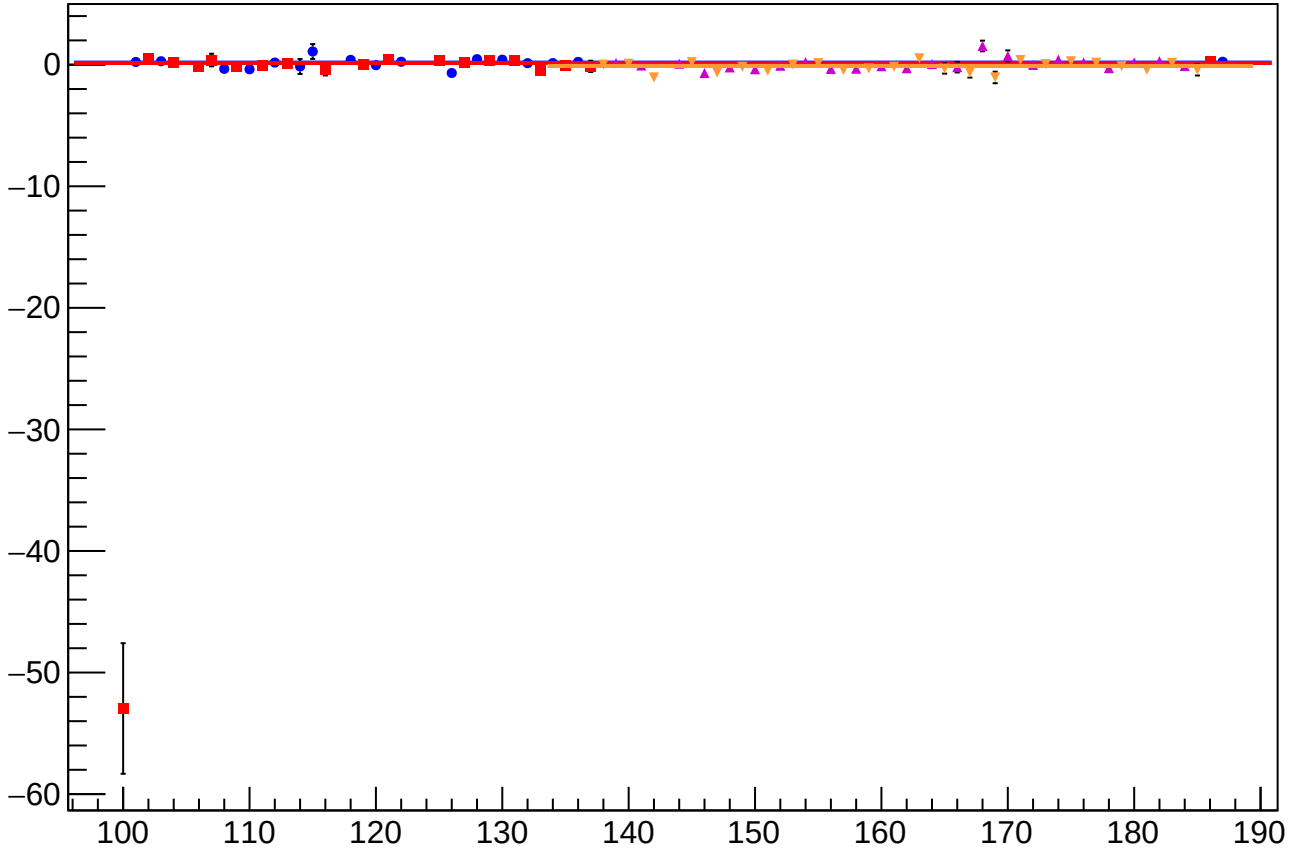
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.172+/-0.037 χ^2/NDF: 45.9/40

All: 0.200+/-0.026 χ^2/NDF: 100.3/82

- sign 0.228+/-0.037 χ^2/NDF: 53.3/41

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.173+/-0.070 χ^2/NDF: 15.9/16

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.142+/-0.063 χ^2/NDF: 111.6/18

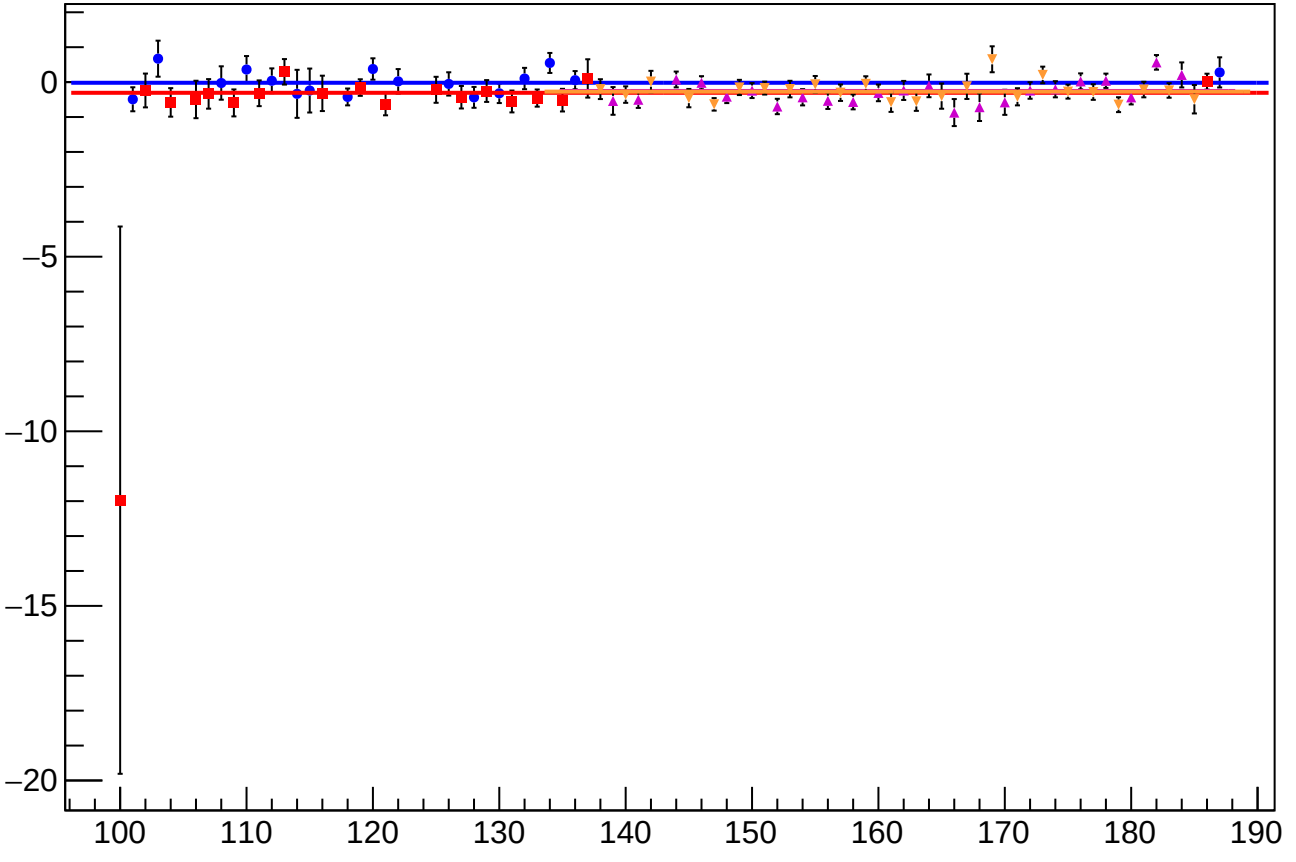
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.003+/-0.044 χ^2/NDF: 63.0/40

All: 0.032+/-0.030 χ^2/NDF: 216.5/82

- sign 0.059+/-0.042 χ^2/NDF: 152.7/41

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.019+/-0.082 χ^2/NDF: 17.3/16

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.306+/-0.080 χ^2/NDF: 11.7/18

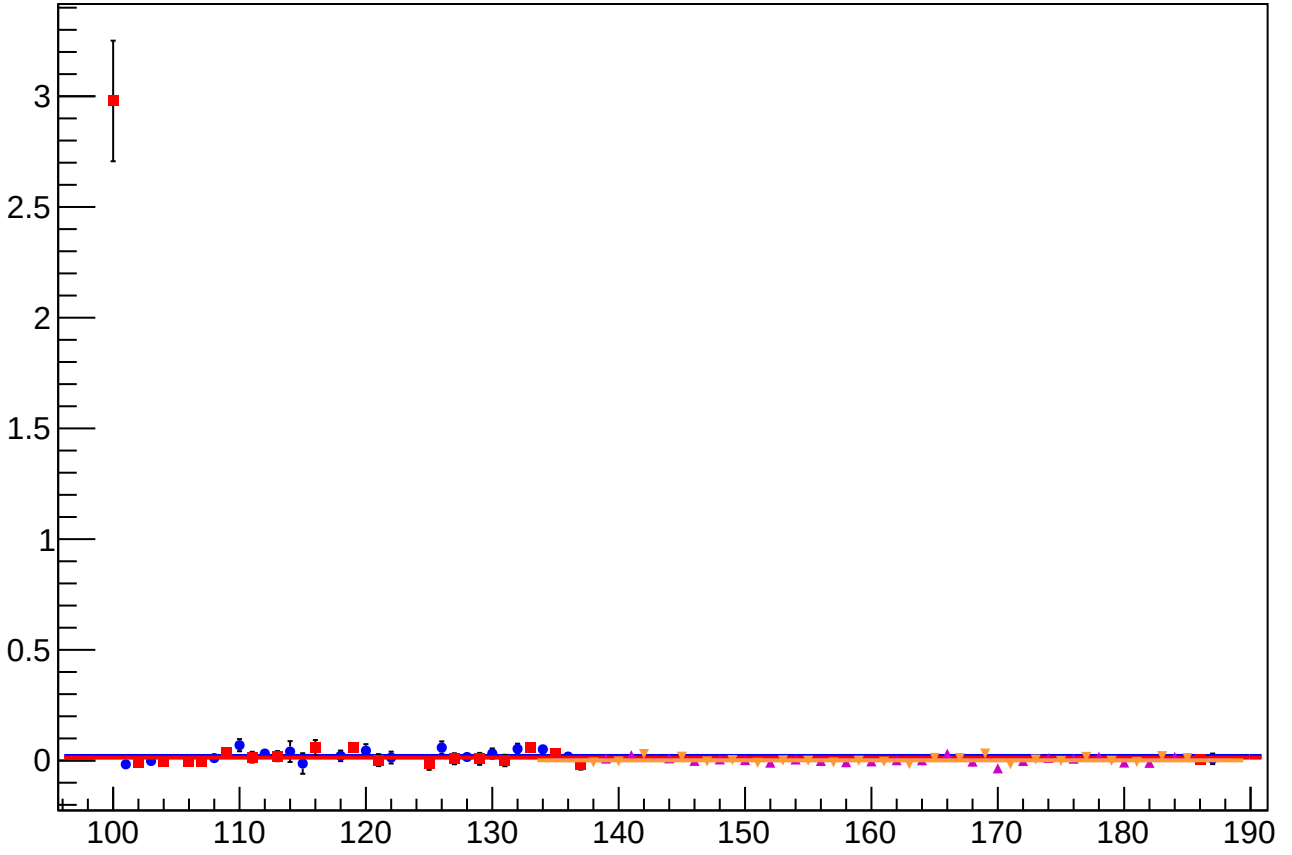
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.205+/-0.042 χ^2/NDF: 49.0/40

All: -0.237+/-0.030 χ^2/NDF: 102.7/82

- sign -0.269+/-0.042 χ^2/NDF: 52.6/41

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.005 χ^2/NDF: 22.8/16

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.013+/-0.005 χ^2/NDF: 141.3/18

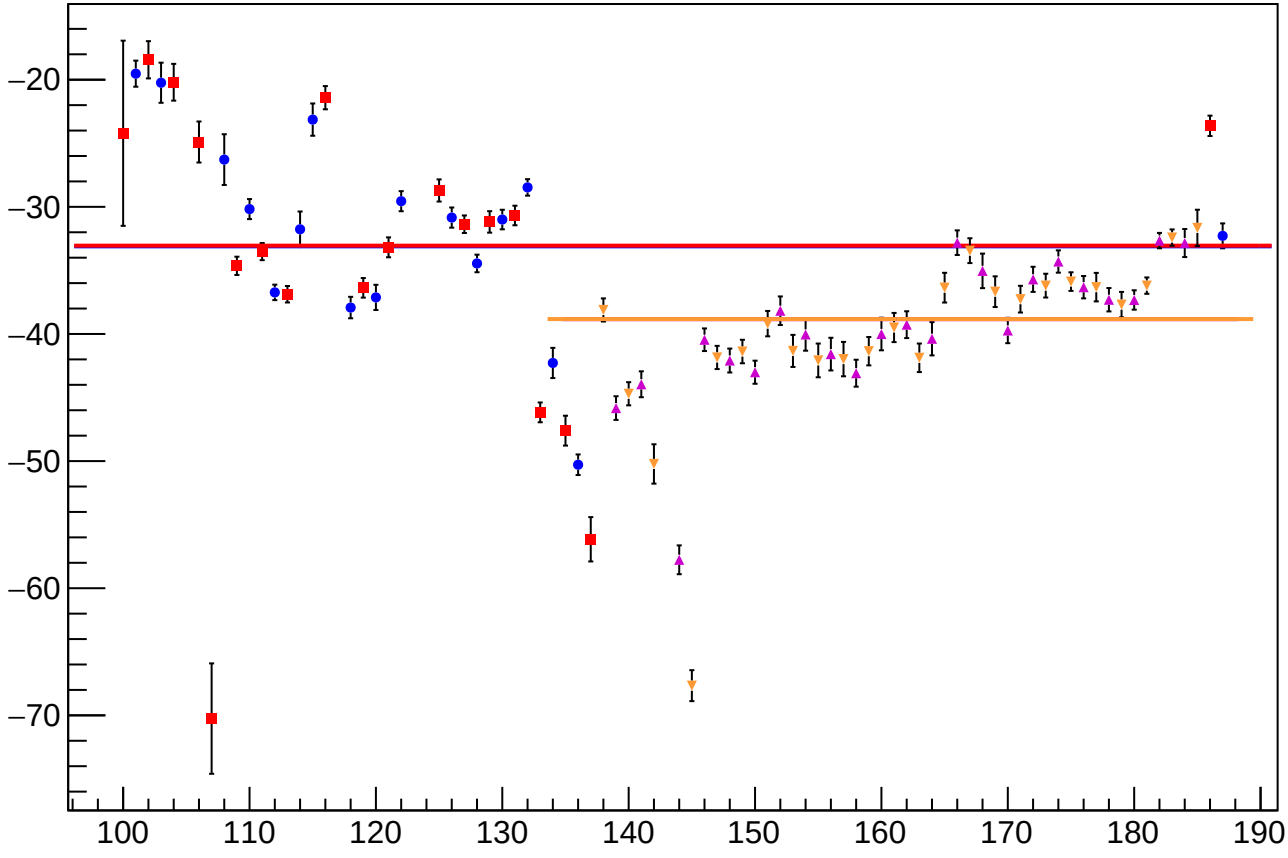
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 63.5/40

All: 0.005+/-0.001 χ^2/NDF: 233.9/82

- sign 0.004+/-0.002 χ^2/NDF: 170.3/41

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -33.107+/-0.213 χ^2/NDF: 1014.7/16

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -33.053+/-0.208 χ^2/NDF: 1296.6/18

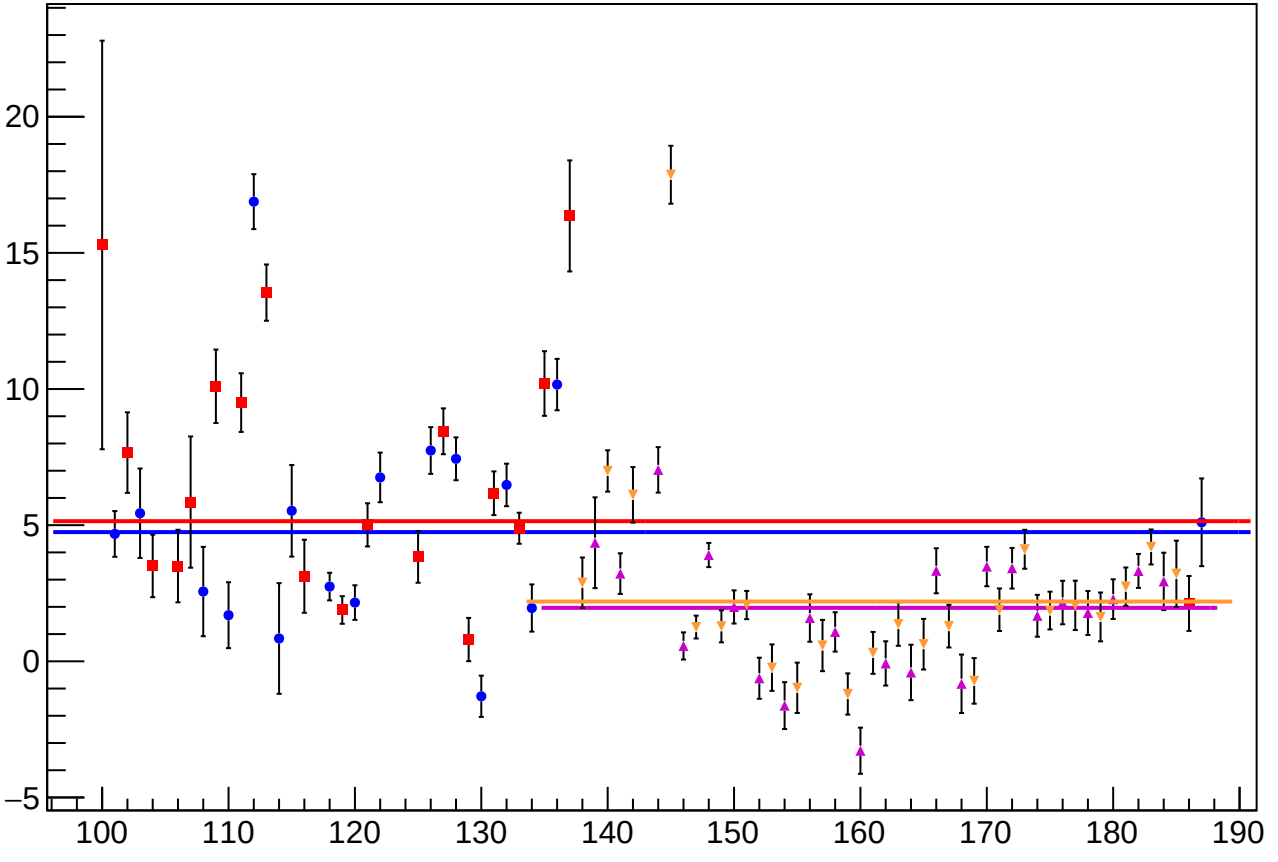
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -36.116+/-0.147 χ^2/NDF: 2311.9/40

All: -36.059+/-0.103 χ^2/NDF: 4658.4/82

- sign -36.003+/-0.145 χ^2/NDF: 2346.1/41

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.745+/-0.217 χ^2/NDF: 329.6/16

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.147+/-0.218 χ^2/NDF: 254.4/18

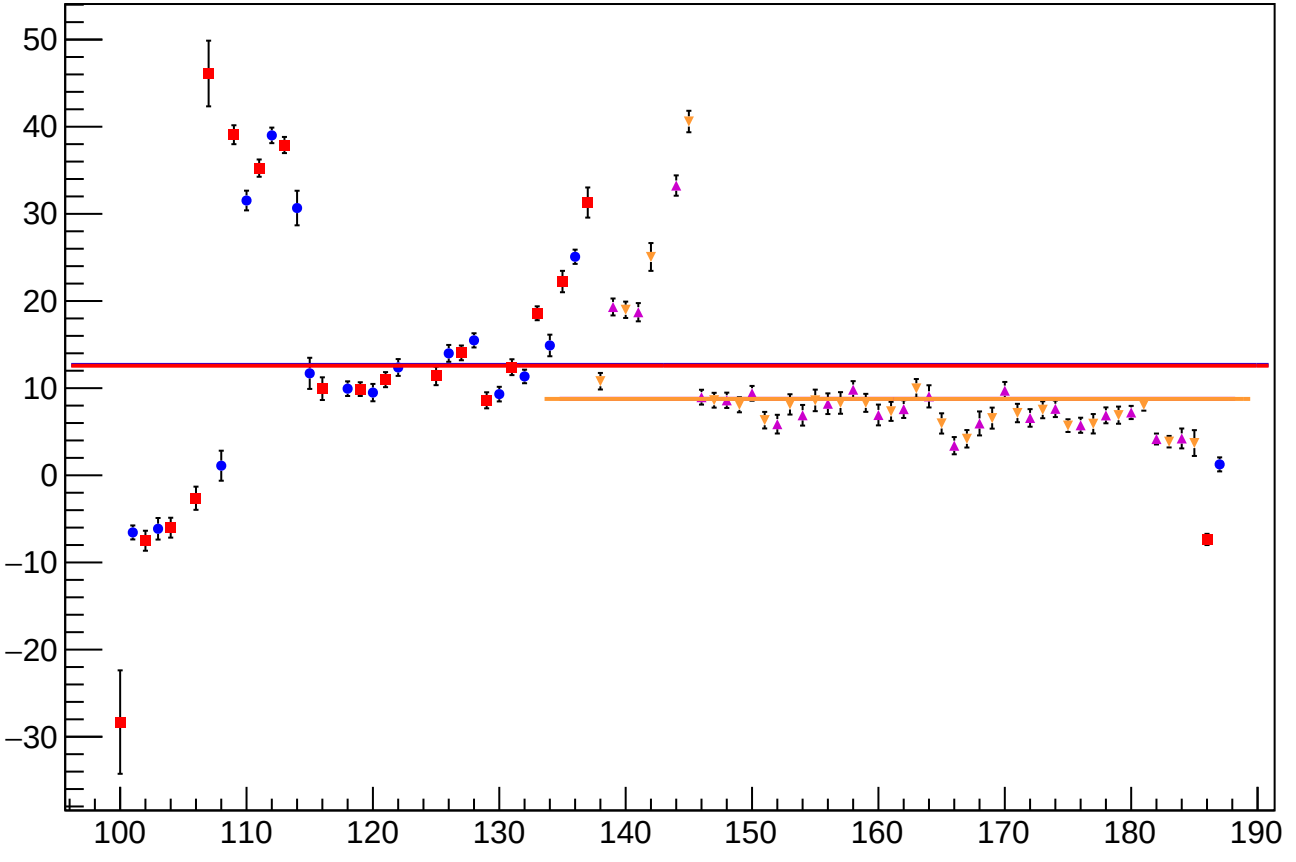
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

\+ sign 3.035+/-0.125 χ^2/NDF: 787.2/40

All: 3.032+/-0.089 χ^2/NDF: 1356.6/82

\- sign 3.030+/-0.126 χ^2/NDF: 569.4/41

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 12.667+/-0.236 χ^2/NDF: 2569.5/16

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 12.580+/-0.233 χ^2/NDF: 3934.8/18

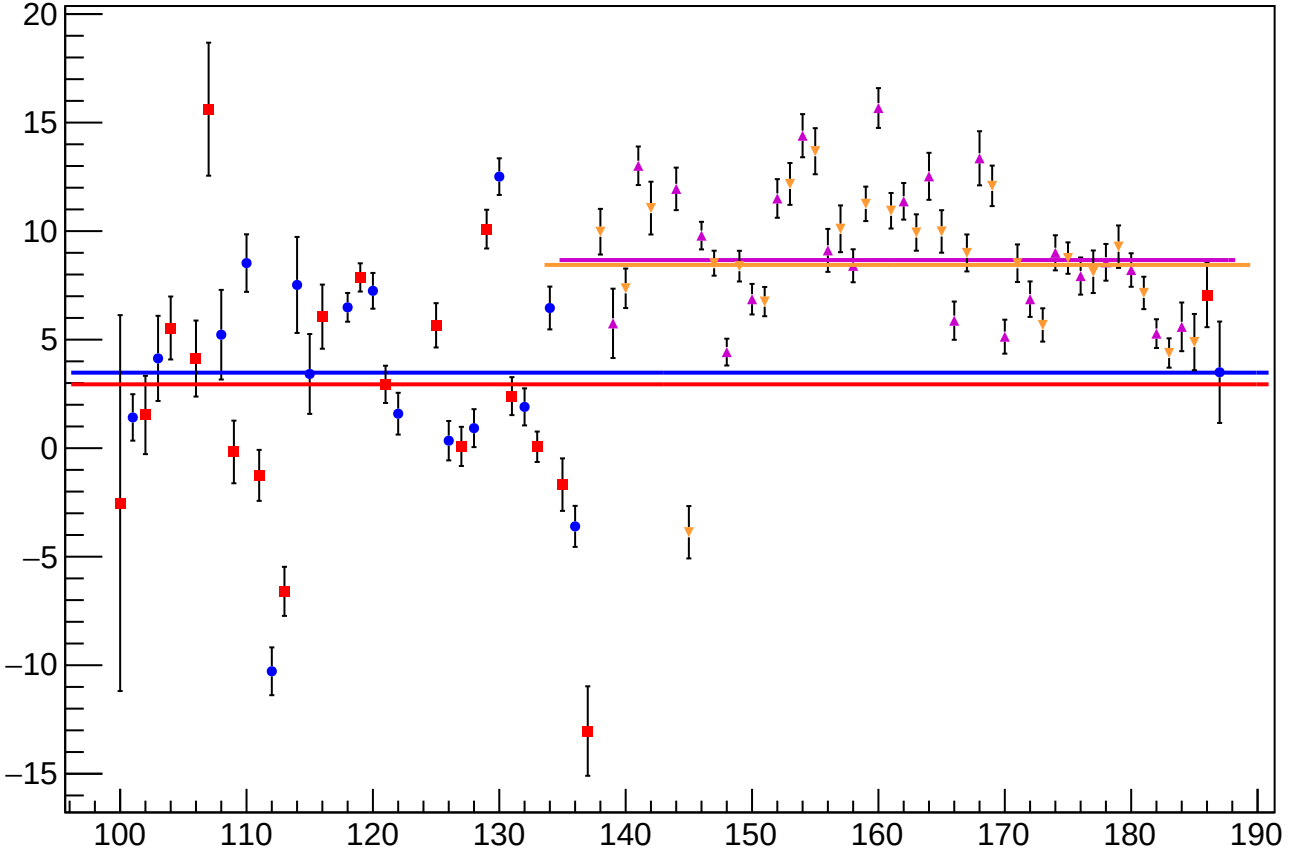
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

\+ sign 10.402+/-0.153 χ^2/NDF: 3763.7/40

All: 10.402+/-0.108 χ^2/NDF: 8646.2/82

\- sign 10.401+/-0.152 χ^2/NDF: 4882.6/41

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 3.479+/-0.252 χ^2/NDF: 427.6/16

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 2.941+/-0.253 χ^2/NDF: 353.2/18

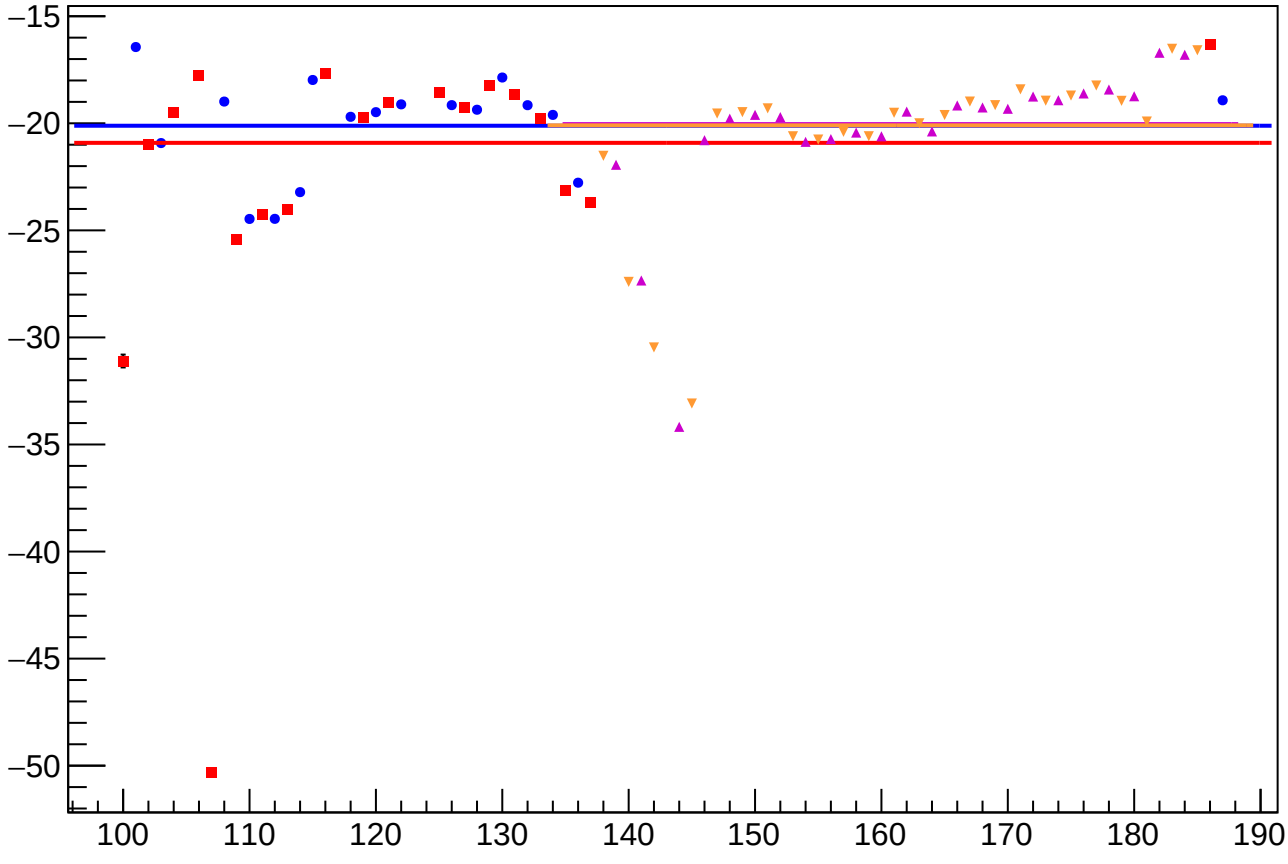
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.847+/-0.143 χ^2/NDF: 954.7/40

All: 6.828+/-0.102 χ^2/NDF: 1957.4/82

\- sign 6.809+/-0.144 χ^2/NDF: 1002.7/41

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.114+/-0.016 χ^2/NDF: 19920.3/16

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.913+/-0.016 χ^2/NDF: 59561.0/18

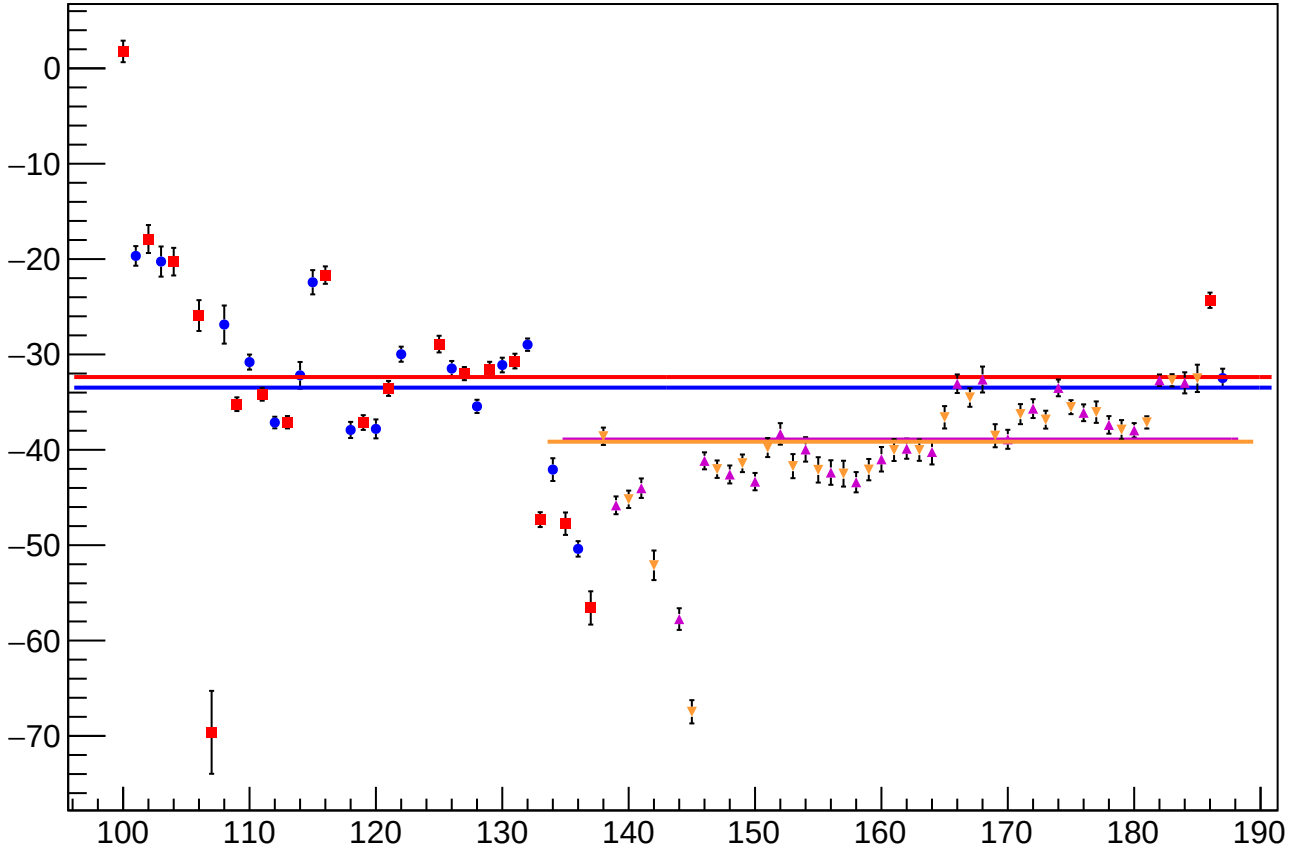
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.100+/-0.007 χ^2/NDF: 179214.4/40

All: -20.152+/-0.005 χ^2/NDF: 373526.5/82

- sign -20.205+/-0.007 χ^2/NDF: 194202.4/41

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -33.479+/-0.213 χ^2/NDF: 1009.8/16

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -32.370+/-0.205 χ^2/NDF: 2277.8/18

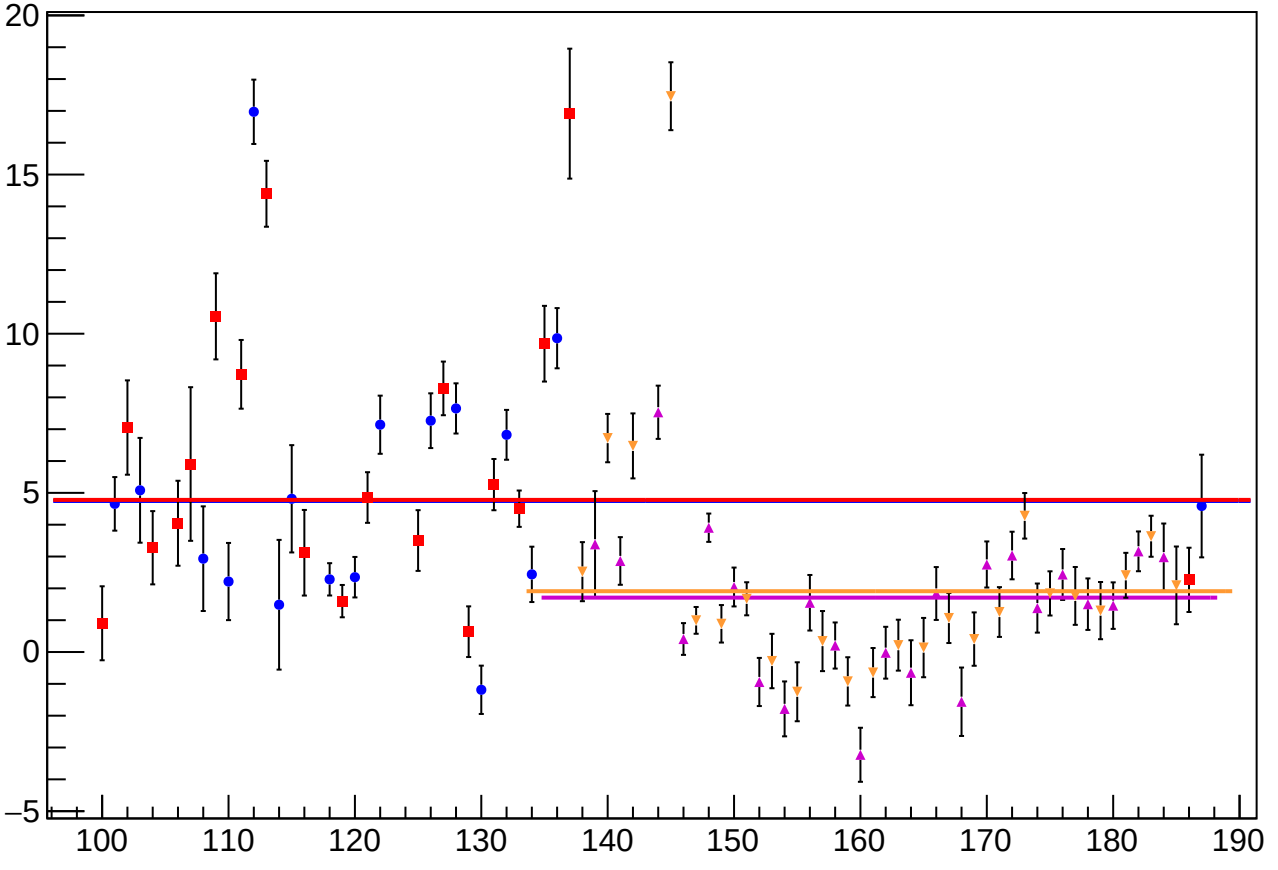
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -36.460+/-0.147 χ^2/NDF: 2280.4/40

All: -36.053+/-0.103 χ^2/NDF: 5772.3/82

- sign -35.659+/-0.144 χ^2/NDF: 3476.8/41

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.745+/-0.218 χ^2/NDF: 325.7/16

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.779+/-0.215 χ^2/NDF: 279.5/18

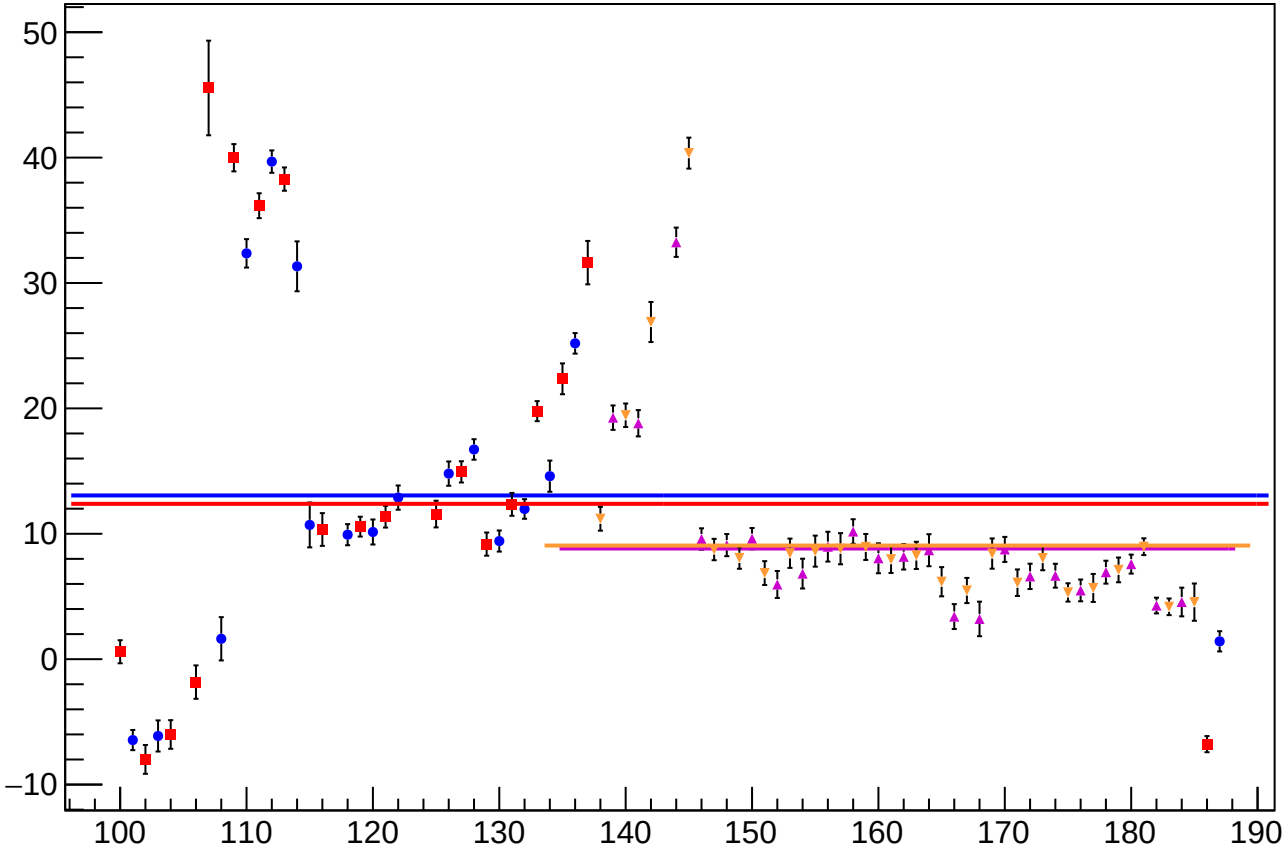
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

\+ sign 2.844+/-0.125 χ^2/NDF: 798.8/40

All: 2.802+/-0.089 χ^2/NDF: 1395.5/82

\- sign 2.760+/-0.126 χ^2/NDF: 596.4/41

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 13.057+/-0.236 χ^2/NDF: 2629.7/16

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 12.389+/-0.226 χ^2/NDF: 4116.2/18

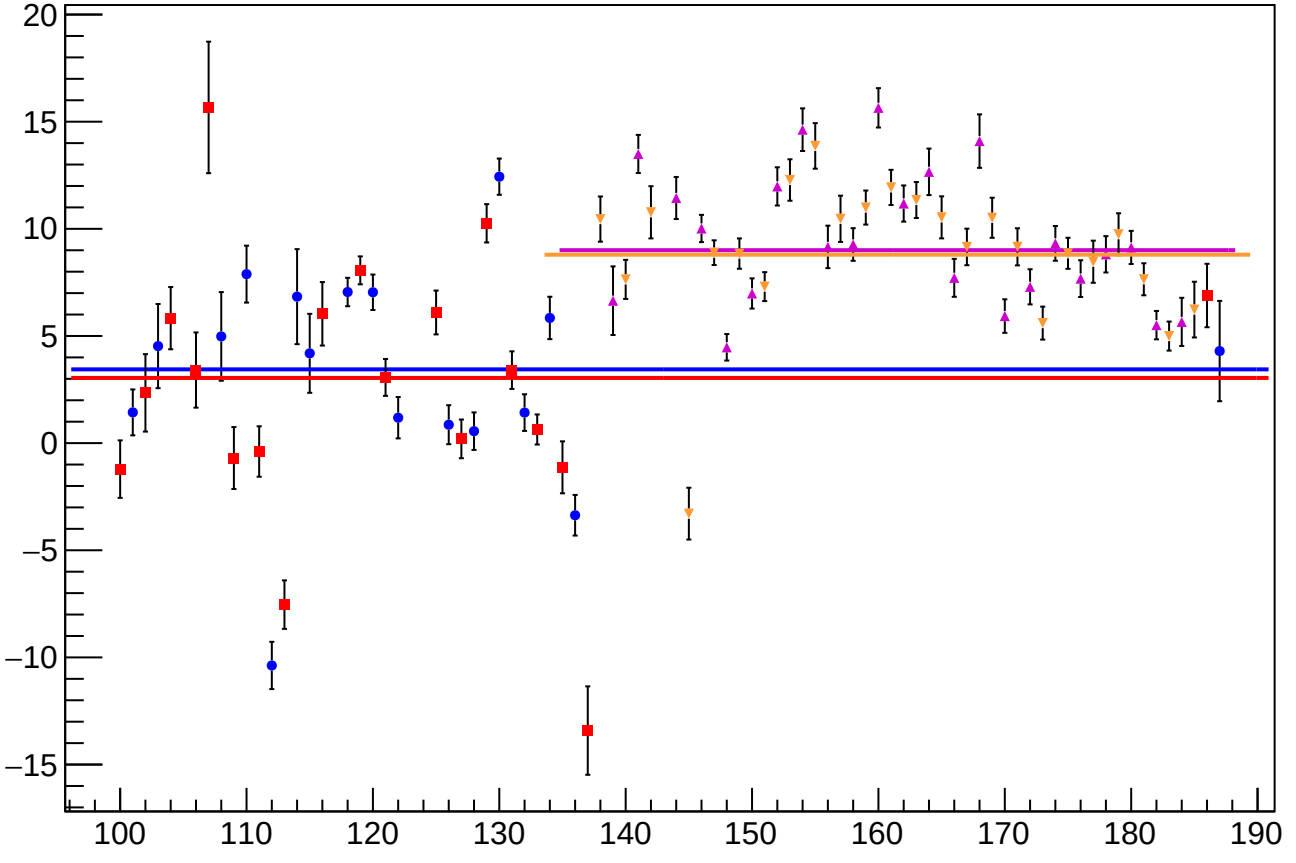
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 10.737+/-0.153 χ^2/NDF: 3829.1/40

All: 10.567+/-0.107 χ^2/NDF: 8887.1/82

- sign 10.403+/-0.151 χ^2/NDF: 5055.6/41

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 3.442+/-0.253 χ^2/NDF: 424.1/16

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

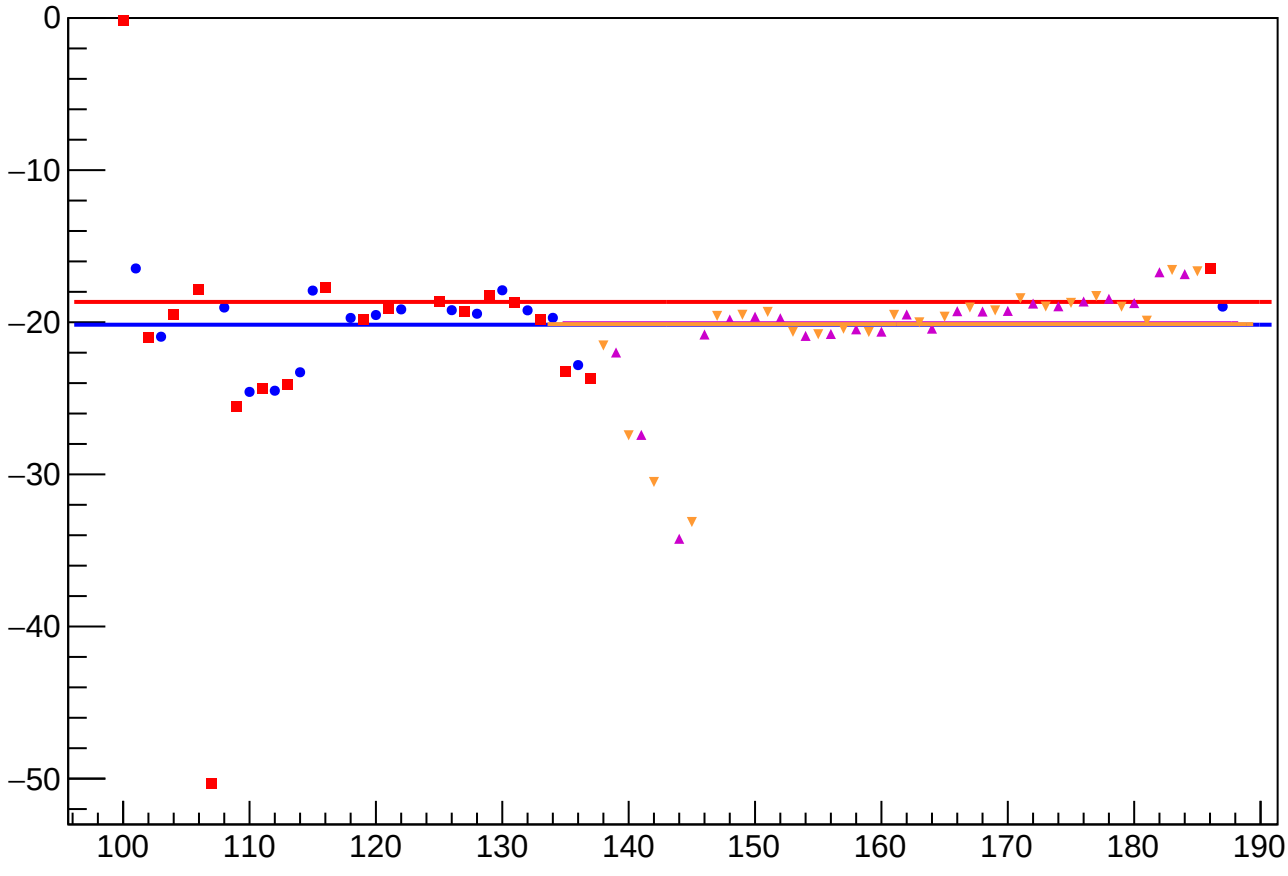
Right Out: 3.042+/-0.250 χ^2/NDF: 374.7/18

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.074+/-0.143 χ^2/NDF: 972.5/40

All: 7.049+/-0.102 χ^2/NDF: 2017.8/82

- sign 7.025+/-0.144 χ^2/NDF: 1045.2/41



Right In: -20.161+/-0.016 χ^2/NDF: 19946.1/16

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.663+/-0.015 χ^2/NDF: 235145.1/18

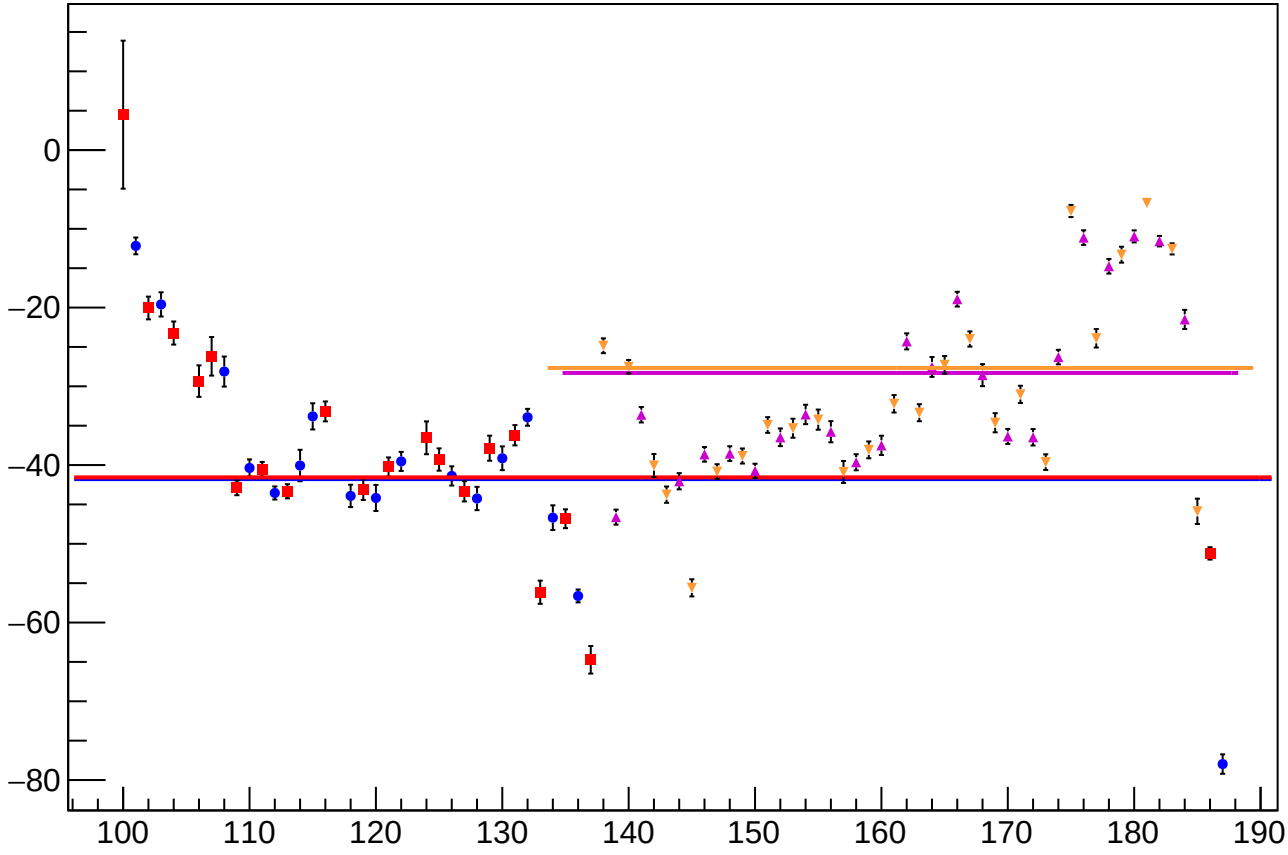
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.131+/-0.007 χ^2/NDF: 178529.3/40

All: -19.949+/-0.005 χ^2/NDF: 554208.5/82

- sign -19.771+/-0.007 χ^2/NDF: 374380.0/41

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -41.783+/-0.301 χ^2/NDF: 2330.4/16

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -41.565+/-0.286 χ^2/NDF: 1009.0/19

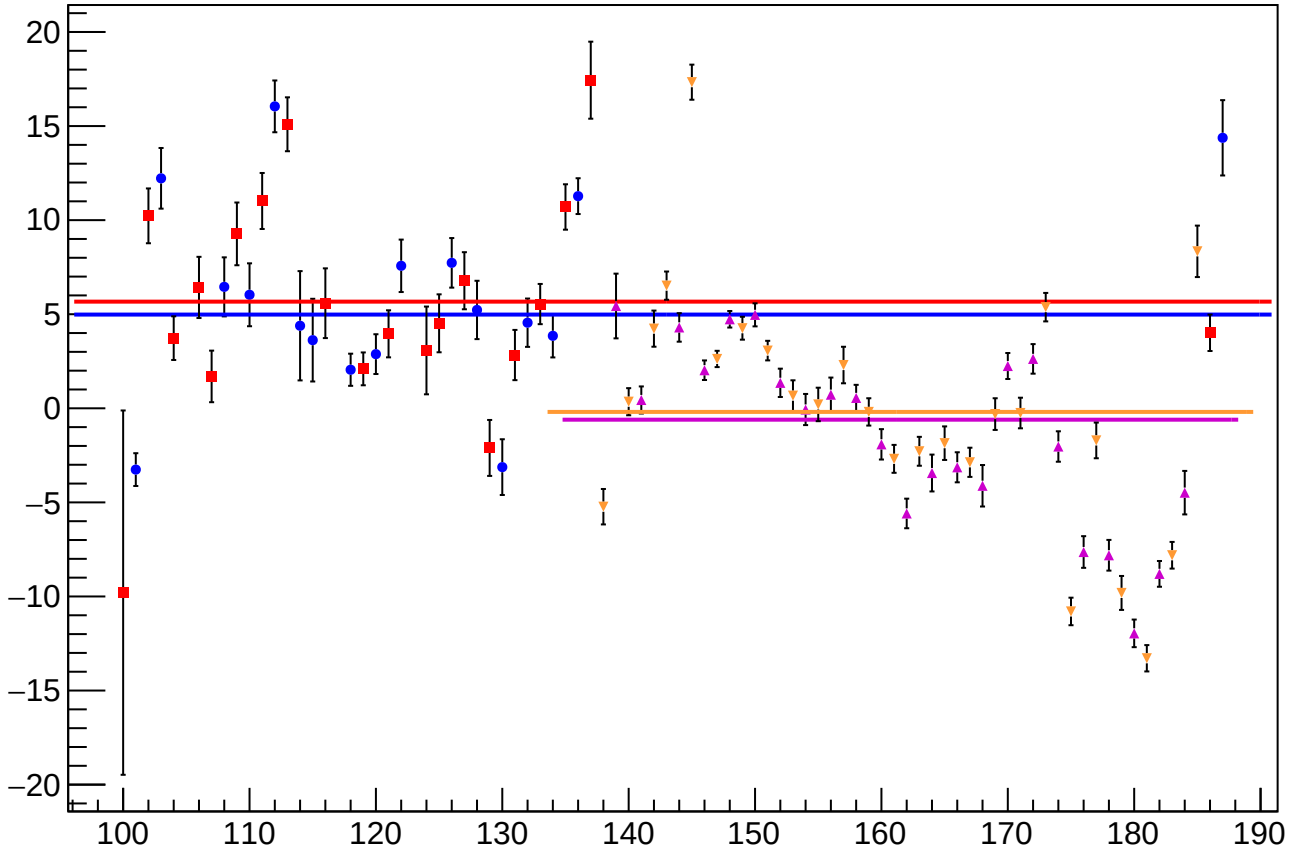
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

\+ sign -32.000+/-0.167 χ^2/NDF: 8248.9/41

All: -32.412+/-0.118 χ^2/NDF: 13960.4/84

\- sign -32.826+/-0.167 χ^2/NDF: 5699.3/42

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 4.981+/-0.312 χ^2/NDF: 296.4/16

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.669+/-0.307 χ^2/NDF: 190.9/19

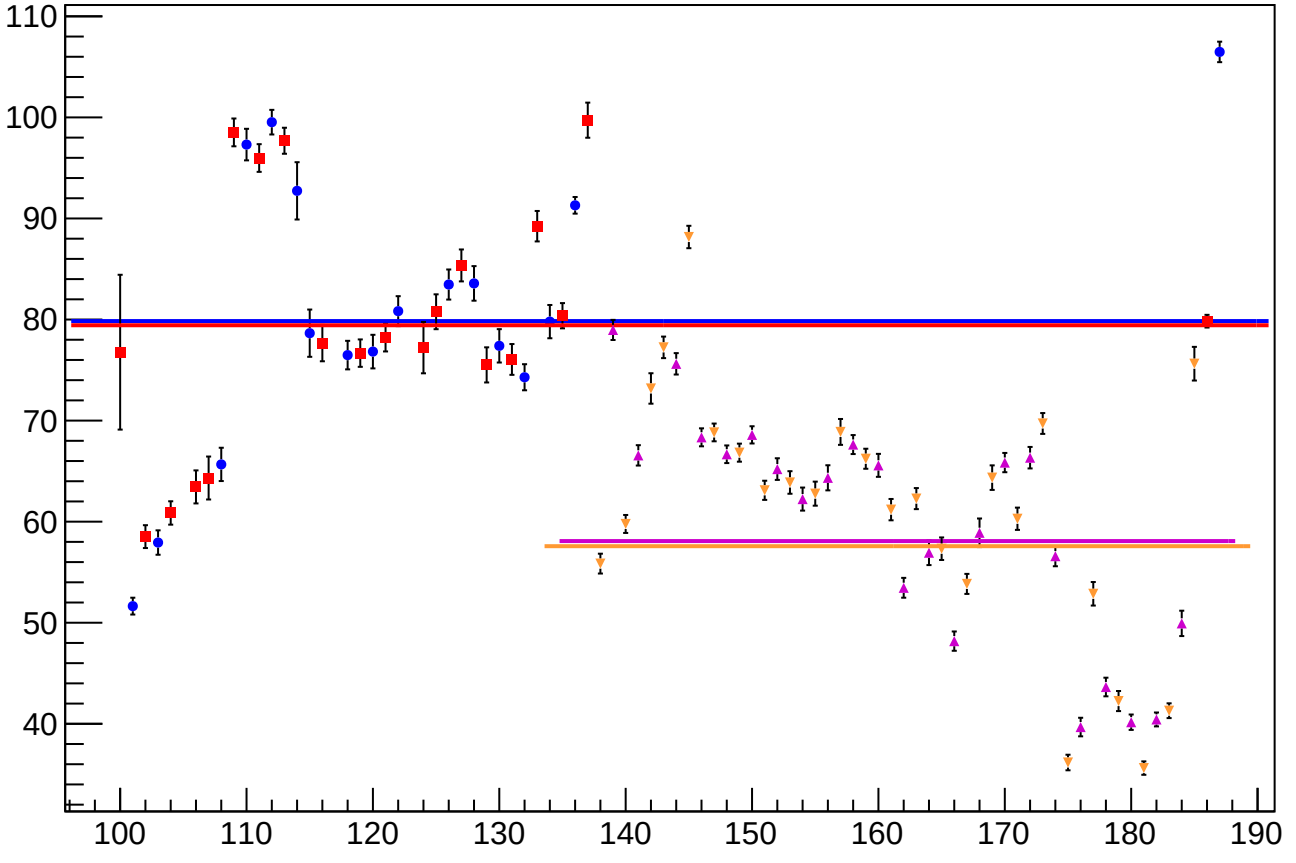
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 0.780+/-0.135 χ^2/NDF: 2064.9/41

All: 0.727+/-0.097 χ^2/NDF: 3563.0/84

- sign 0.671+/-0.138 χ^2/NDF: 1497.8/42

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 79.848+/-0.320 χ^2/NDF: 2881.8/16

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 79.434+/-0.304 χ^2/NDF: 1496.9/19

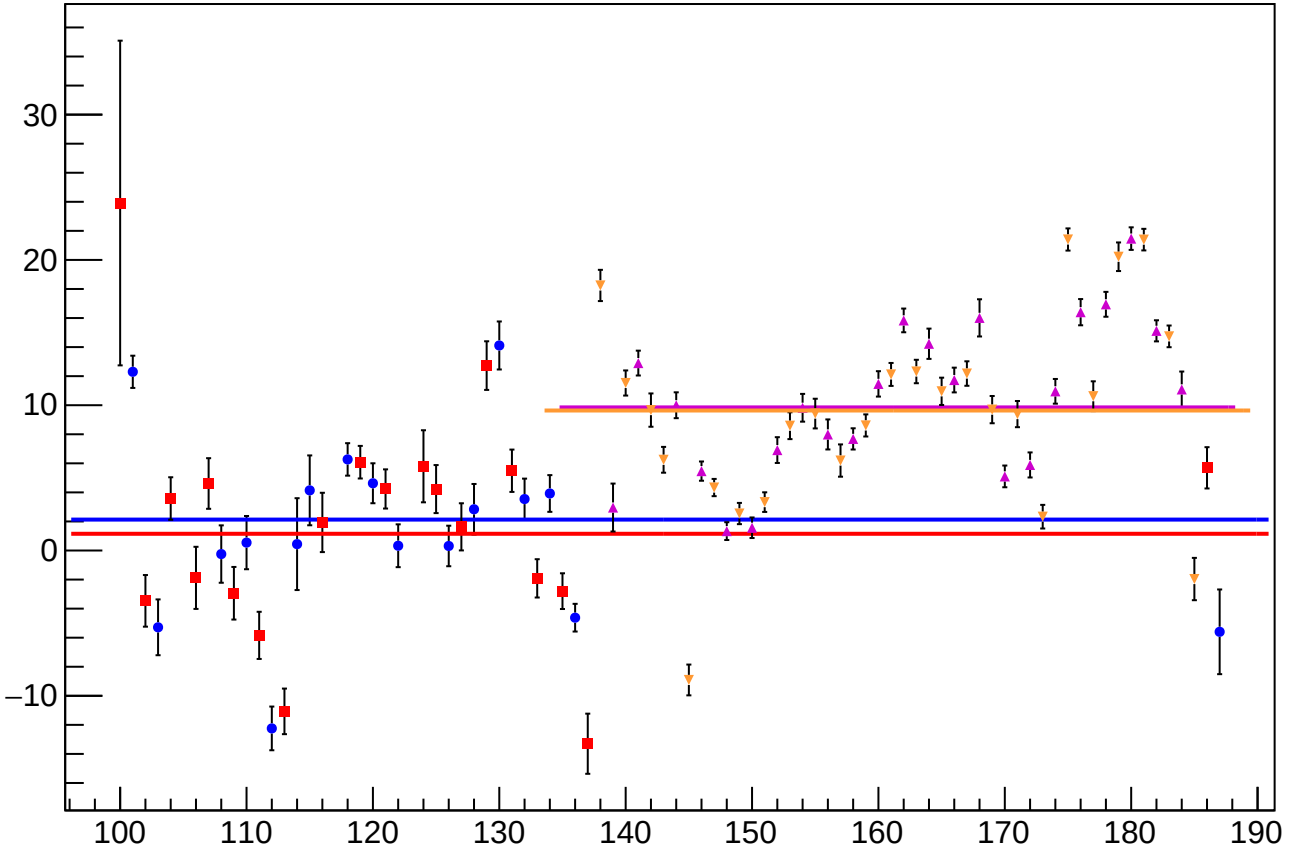
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 63.793+/-0.169 χ^2/NDF: 11066.6/41

All: 64.235+/-0.120 χ^2/NDF: 19539.4/84

- sign 64.678+/-0.169 χ^2/NDF: 8459.0/42

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 2.128+/-0.360 χ^2/NDF: 326.7/16

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.151+/-0.360 χ^2/NDF: 267.1/19

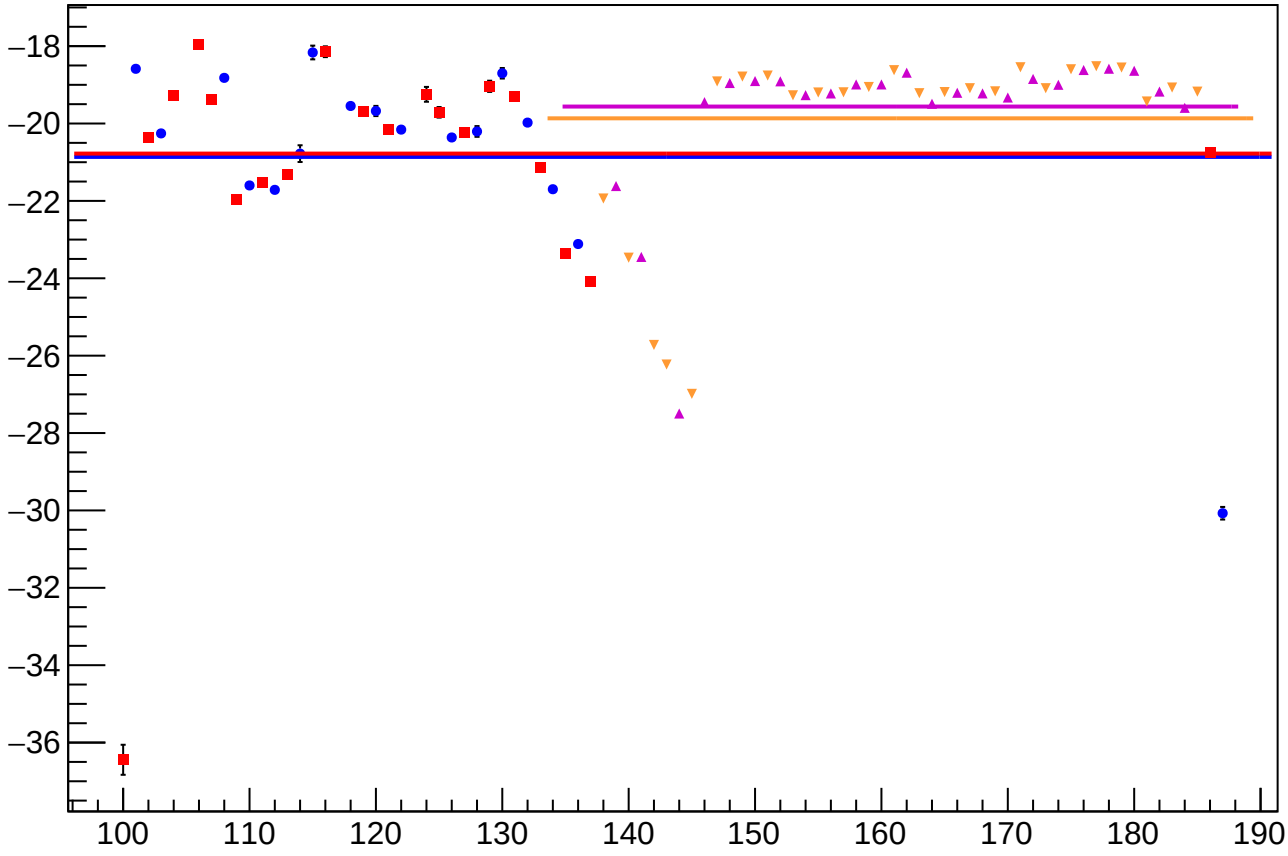
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 8.250+/-0.155 χ^2/NDF: 2172.4/41

All: 8.209+/-0.111 χ^2/NDF: 3903.6/84

- sign 8.166+/-0.158 χ^2/NDF: 1731.0/42

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.863+/-0.019 χ^2/NDF: 10864.6/16

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.777+/-0.020 χ^2/NDF: 9426.7/19

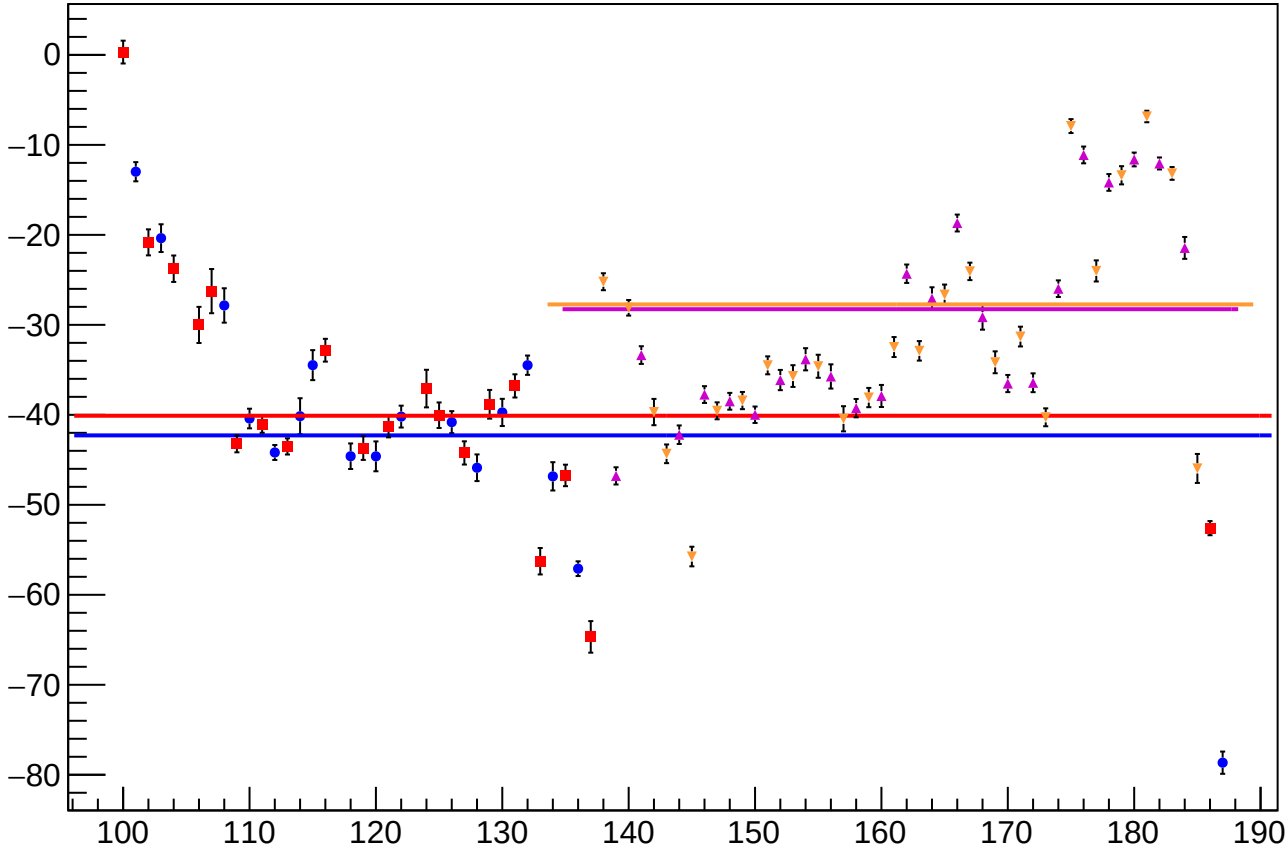
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.008+/-0.007 χ^2/NDF: 92050.3/41

All: -19.871+/-0.005 χ^2/NDF: 150611.8/84

- sign -19.731+/-0.007 χ^2/NDF: 57844.8/42

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -42.284+/-0.302 χ^2/NDF: 2319.4/16

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -40.101+/-0.280 χ^2/NDF: 2062.4/19

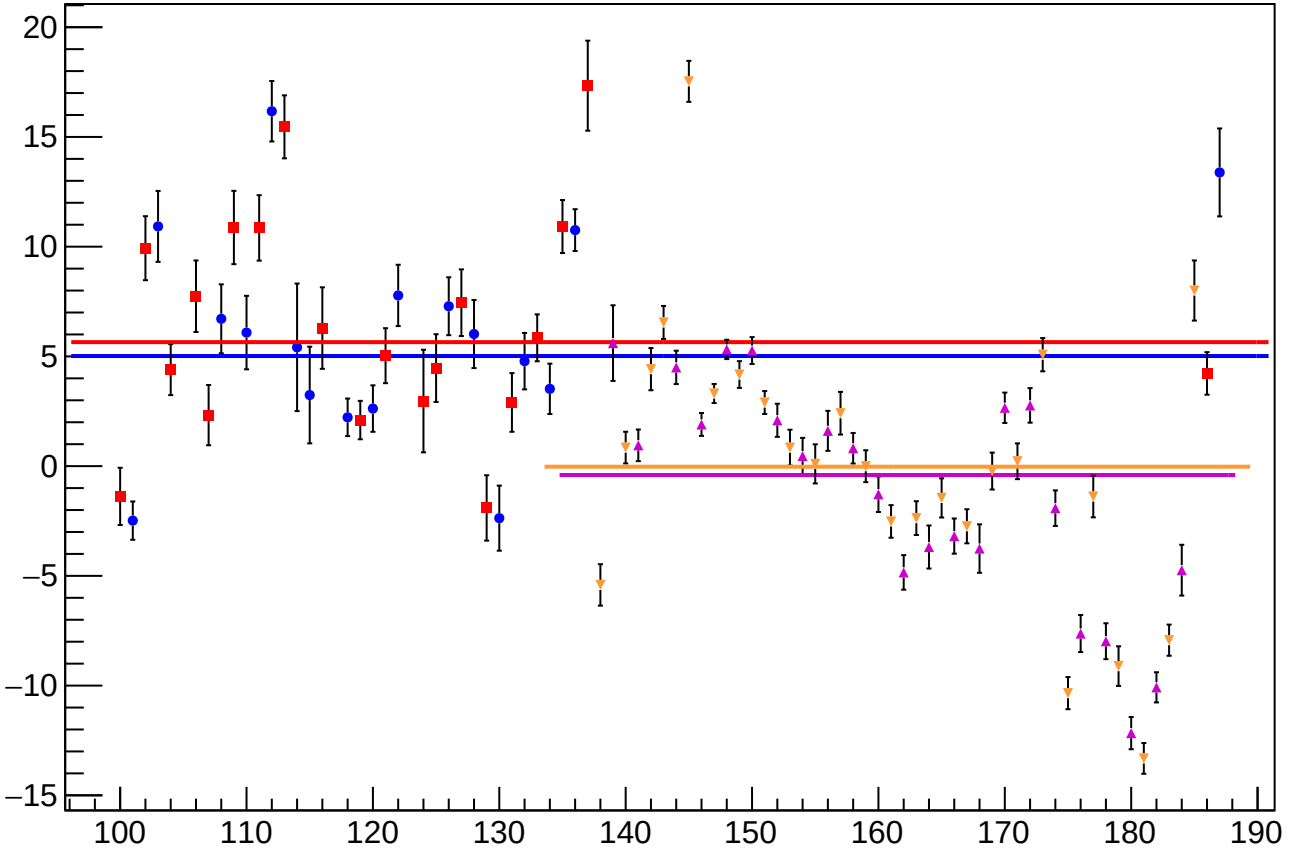
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.196+/-0.167 χ^2/NDF: 8232.3/41

All: -32.315+/-0.118 χ^2/NDF: 14630.3/84

- sign -32.431+/-0.166 χ^2/NDF: 6397.0/42

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.017+/-0.313 χ^2/NDF: 258.4/16

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.651+/-0.300 χ^2/NDF: 218.8/19

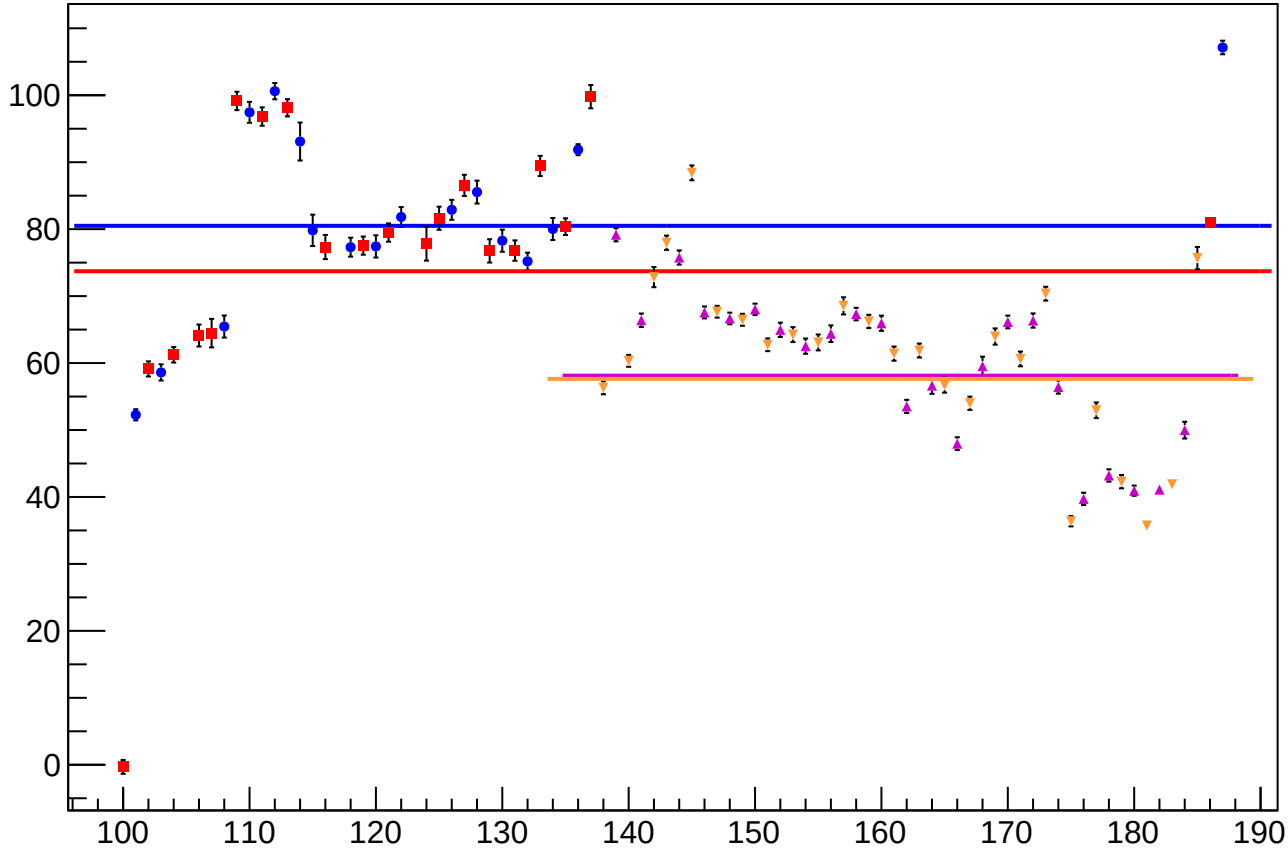
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 0.921+/-0.135 χ^2/NDF: 2001.6/41

All: 0.901+/-0.097 χ^2/NDF: 3626.3/84

- sign 0.880+/-0.138 χ^2/NDF: 1624.7/42

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 80.498+/-0.320 χ^2/NDF: 2883.4/16

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 73.714+/-0.292 χ^2/NDF: 7075.4/19

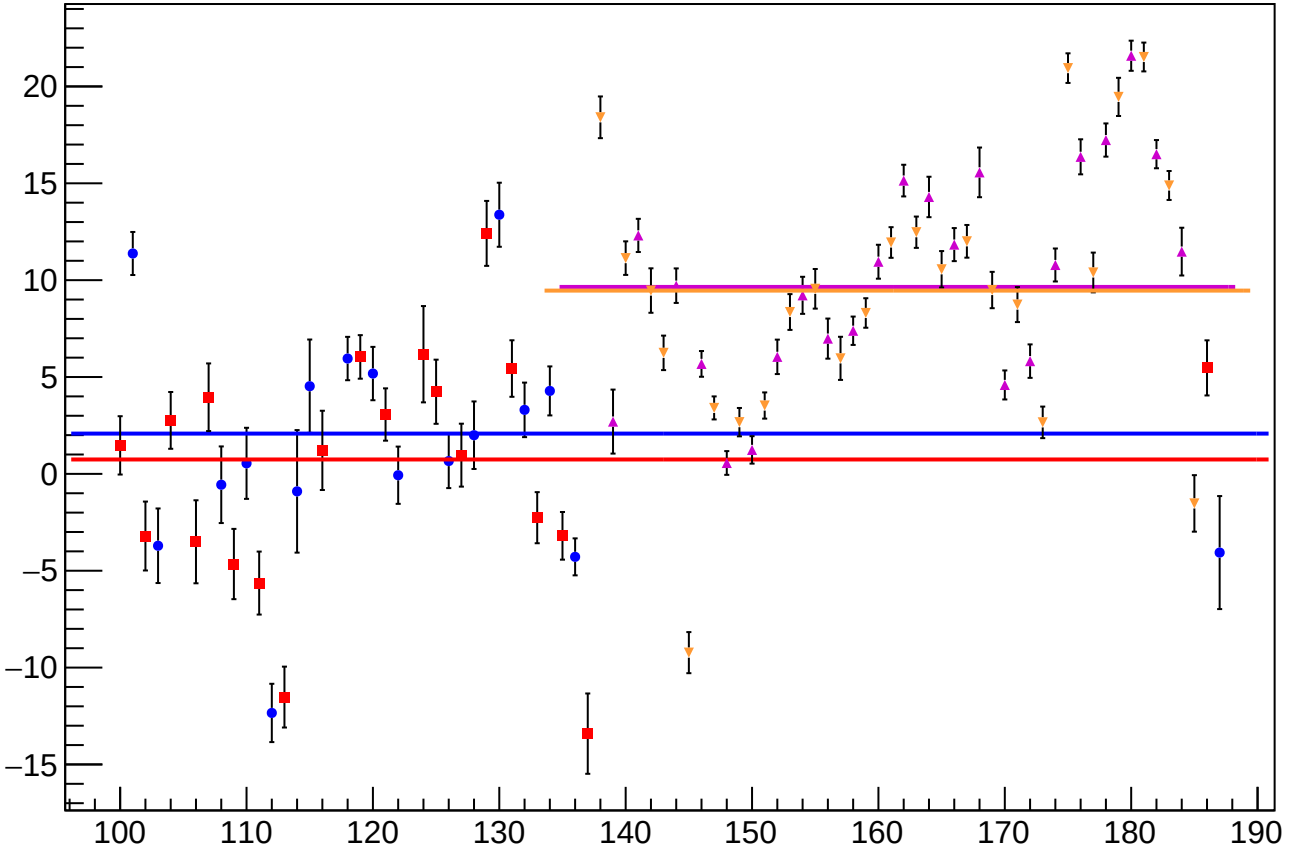
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.021+/-0.169 χ^2/NDF: 11170.7/41

All: 63.614+/-0.119 χ^2/NDF: 23615.3/84

- sign 63.216+/-0.167 χ^2/NDF: 12433.2/42

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 2.079+/-0.361 χ^2/NDF: 294.8/16

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.743+/-0.351 χ^2/NDF: 265.9/19

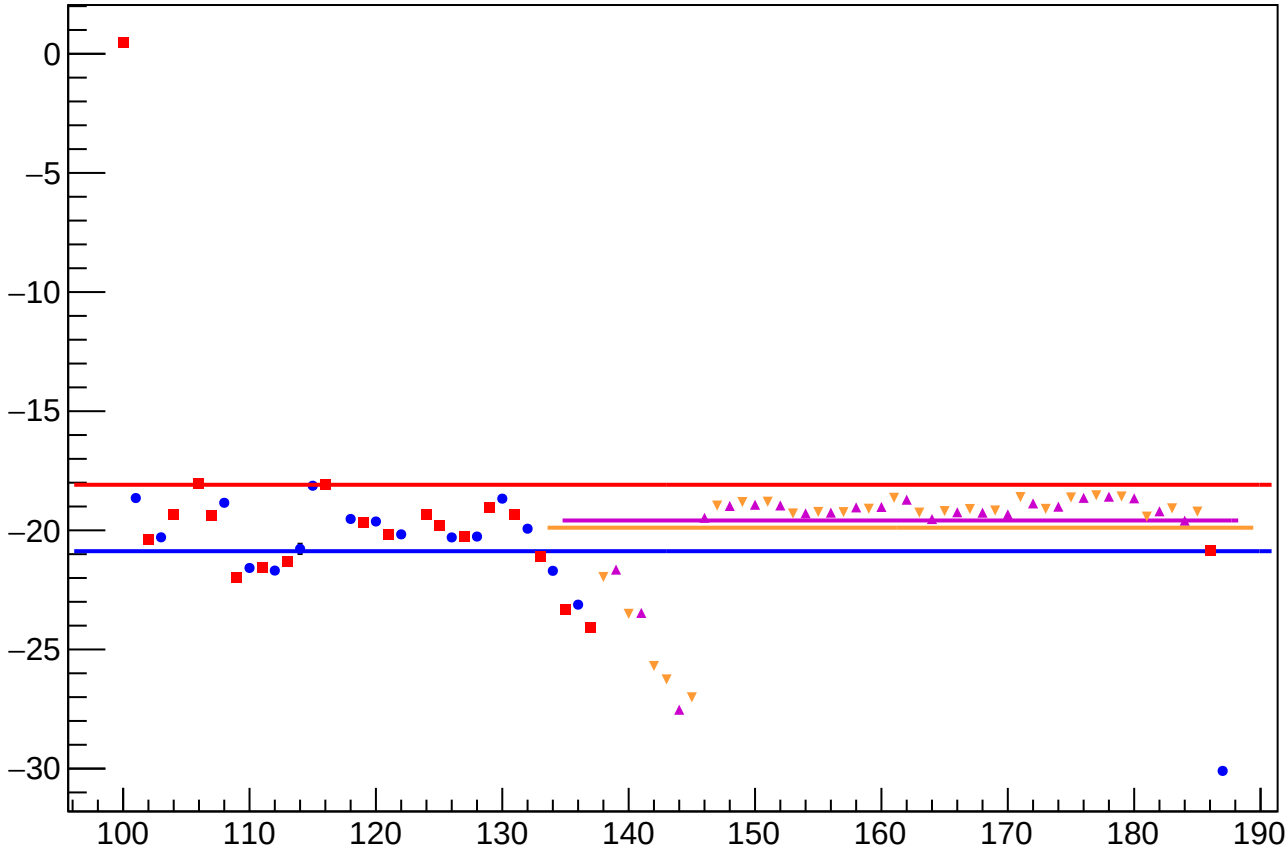
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

\+ sign 8.099+/-0.155 χ^2/NDF: 2119.2/41

All: 7.976+/-0.111 χ^2/NDF: 3979.3/84

\- sign 7.849+/-0.158 χ^2/NDF: 1858.8/42

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.875+/-0.019 χ^2/NDF: 10746.2/16

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.088+/-0.019 χ^2/NDF: 151344.8/19

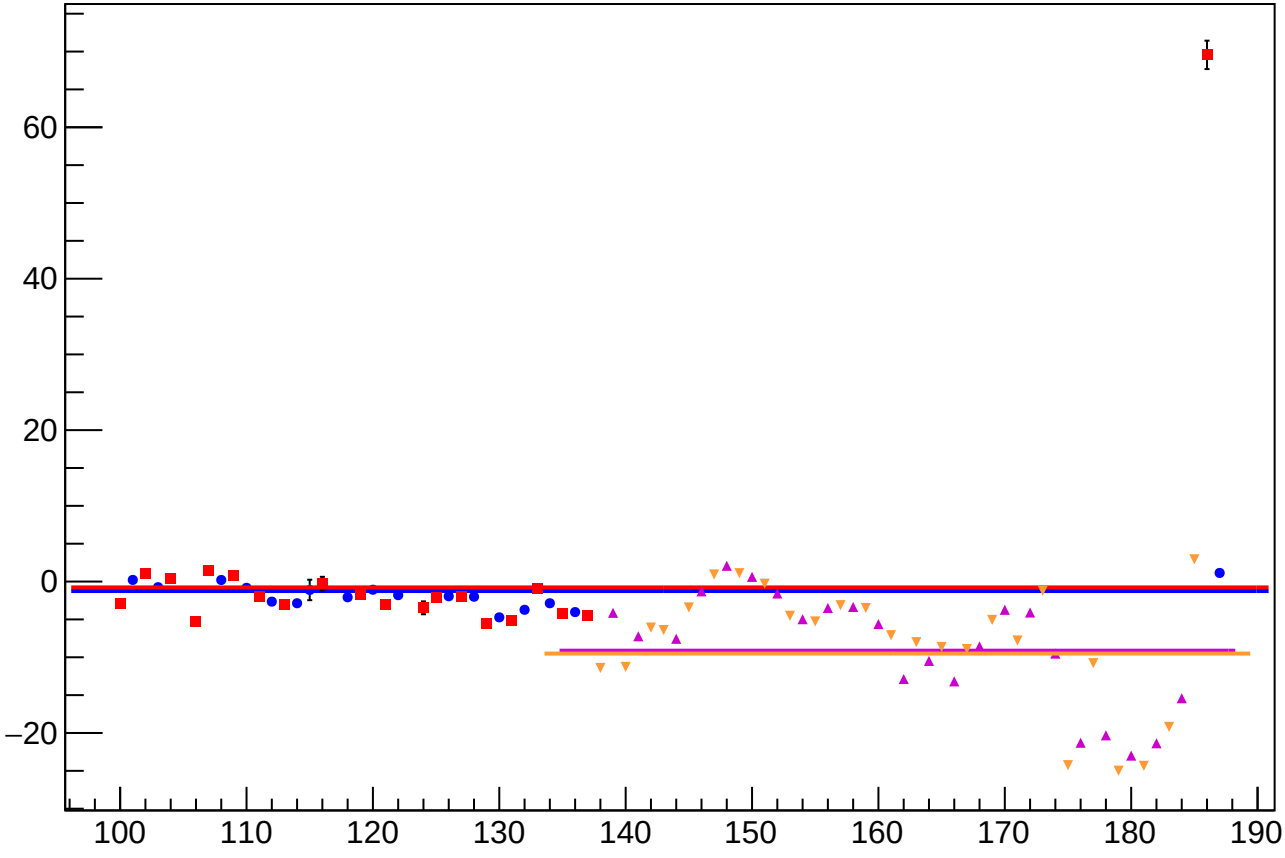
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.029+/-0.007 χ^2/NDF: 91496.2/41

All: -19.693+/-0.005 χ^2/NDF: 297709.3/84

- sign -19.353+/-0.007 χ^2/NDF: 201931.7/42

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -1.251+/-0.054 χ^2/NDF: 631.3/16

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.773+/-0.051 χ^2/NDF: 2790.5/19

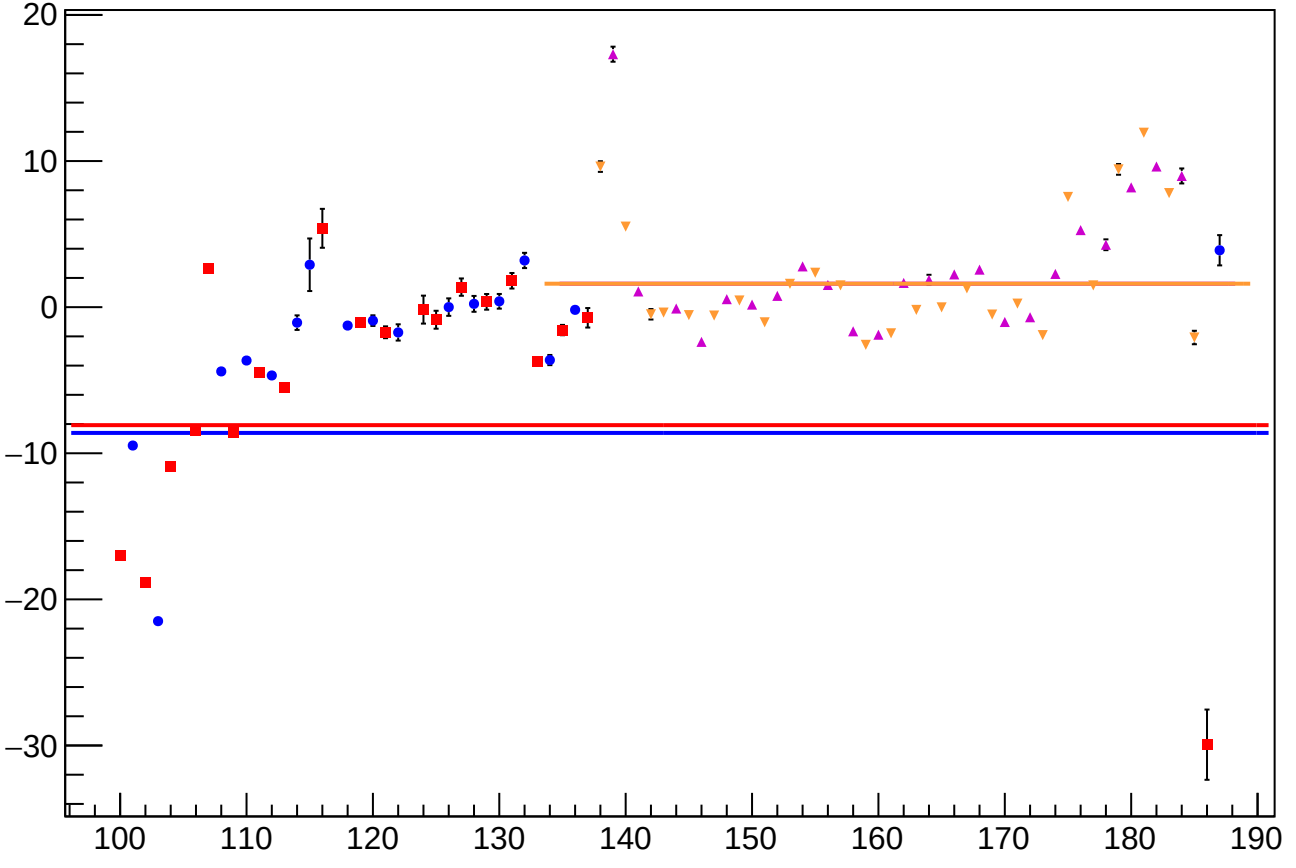
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.214+/-0.044 χ^2/NDF: 21842.8/41

All: -3.809+/-0.030 χ^2/NDF: 43718.0/84

- sign -3.428+/-0.042 χ^2/NDF: 21706.8/42

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -8.607+/-0.057 χ^2/NDF: 13973.8/16

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

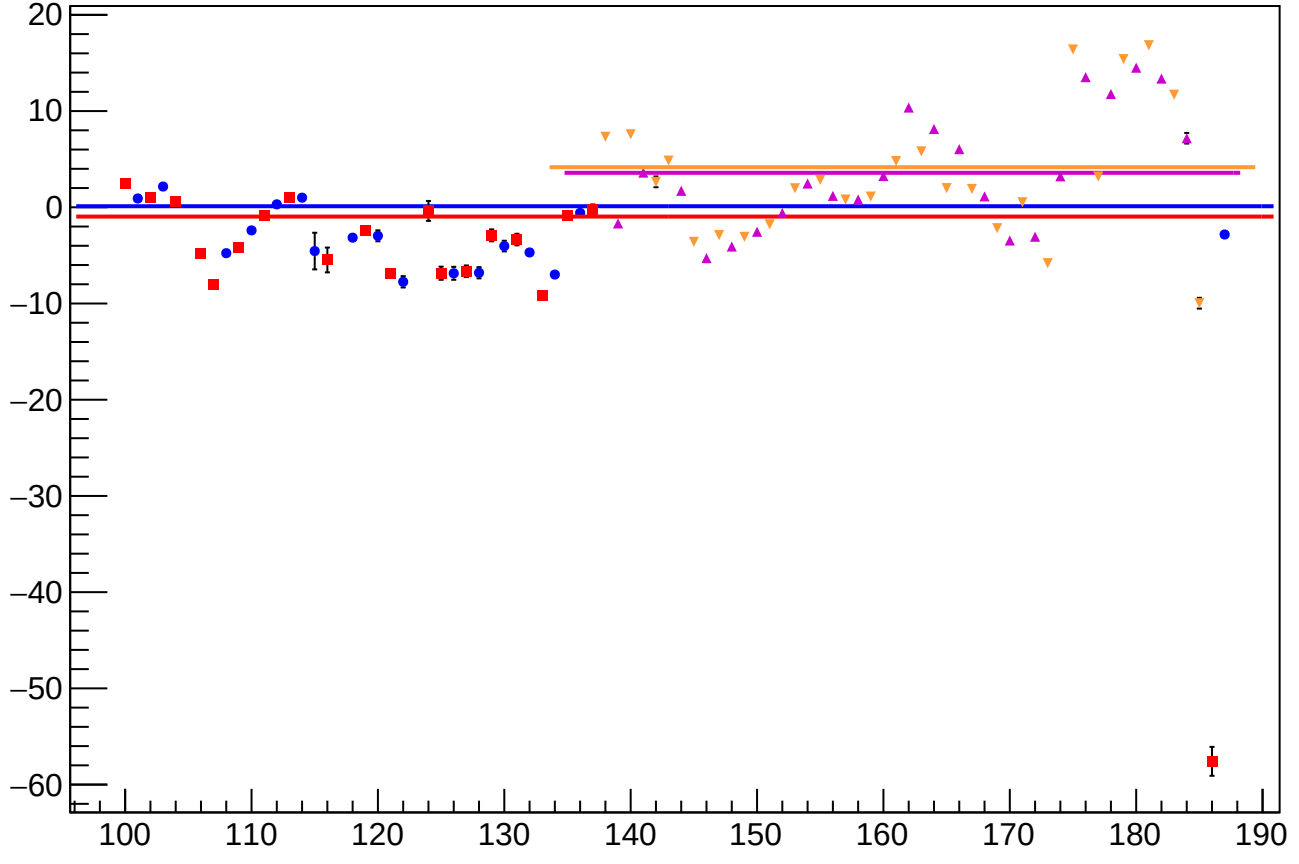
Right Out: -8.075+/-0.057 χ^2/NDF: 14510.7/19

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -3.348+/-0.040 χ^2/NDF: 35269.2/41

All: -3.301+/-0.028 χ^2/NDF: 67571.0/84

- sign -3.251+/-0.041 χ^2/NDF: 32298.9/42



Right In: 0.110+/-0.053 χ^2/NDF: 1993.0/16

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.963+/-0.054 χ^2/NDF: 4406.3/19

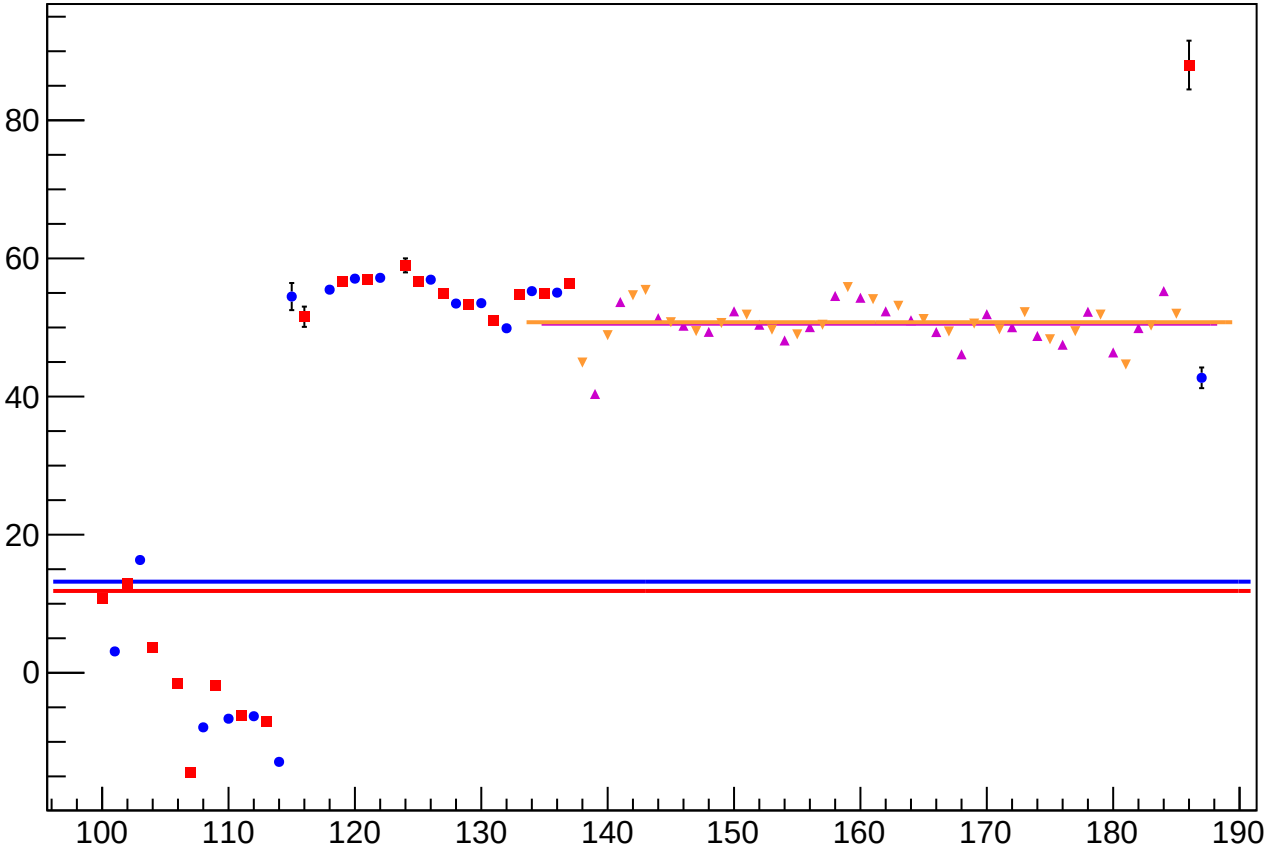
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.521+/-0.043 χ^2/NDF: 13303.9/41

All: 1.071+/-0.030 χ^2/NDF: 27646.4/84

- sign 0.602+/-0.043 χ^2/NDF: 14113.8/42

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 13.197+/-0.068 χ^2/NDF: 108964.1/16

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 11.851+/-0.068 χ^2/NDF: 118634.1/19

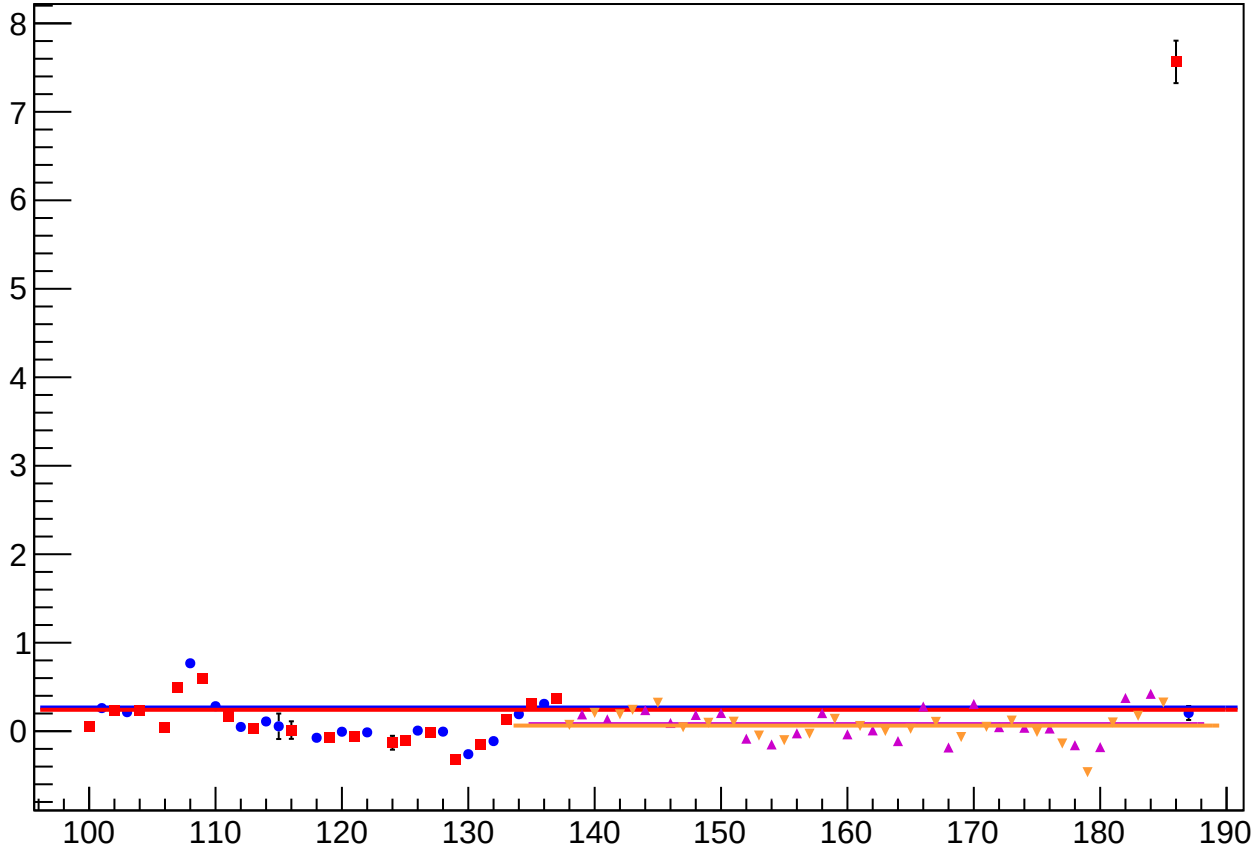
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.543+/-0.046 χ^2/NDF: 276616.0/41

All: 32.833+/-0.033 χ^2/NDF: 567709.1/84

- sign 32.095+/-0.047 χ^2/NDF: 290605.9/42

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.268+/-0.003 χ^2/NDF: 3721.0/16

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.242+/-0.003 χ^2/NDF: 3270.9/19

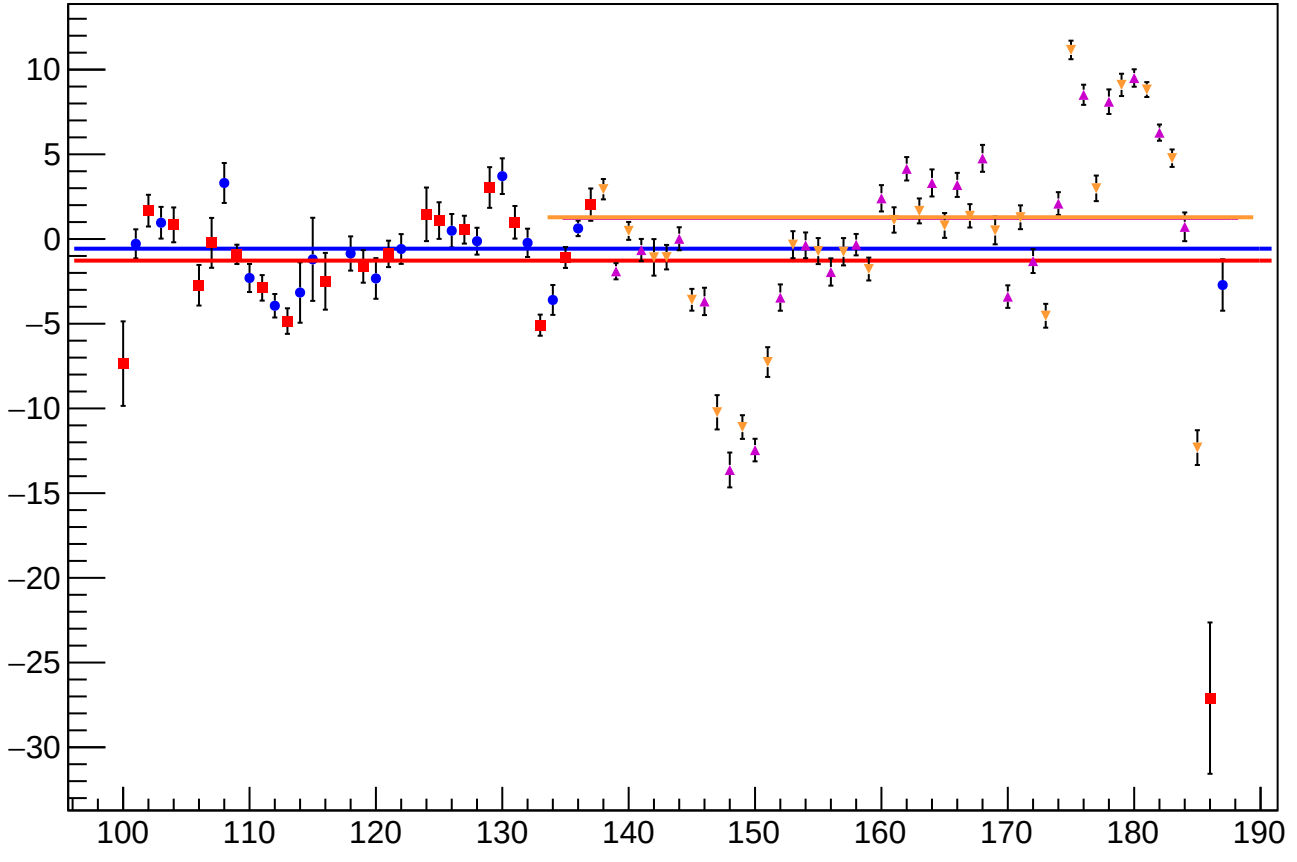
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.165+/-0.002 χ^2/NDF: 8964.2/41

All: 0.164+/-0.001 χ^2/NDF: 17377.0/84

- sign 0.163+/-0.002 χ^2/NDF: 8412.1/42

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -0.570+/-0.215 χ^2/NDF: 84.8/16

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.275+/-0.204 χ^2/NDF: 164.4/19

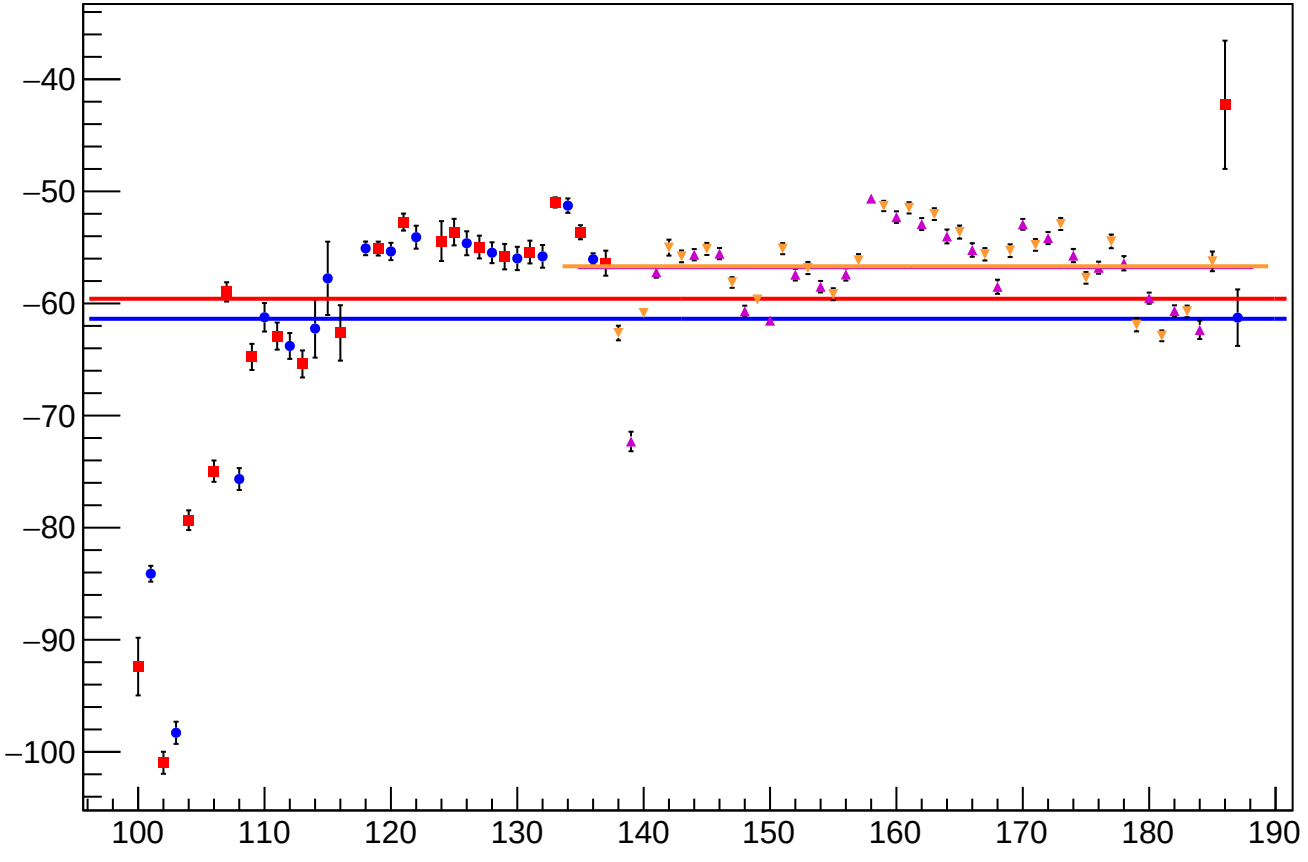
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.748+/-0.115 χ^2/NDF: 1853.2/41

All: 0.593+/-0.082 χ^2/NDF: 3637.0/84

- sign 0.438+/-0.116 χ^2/NDF: 1780.2/42

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -61.366+/-0.218 χ^2/NDF: 3351.2/16

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -59.579+/-0.206 χ^2/NDF: 3430.5/19

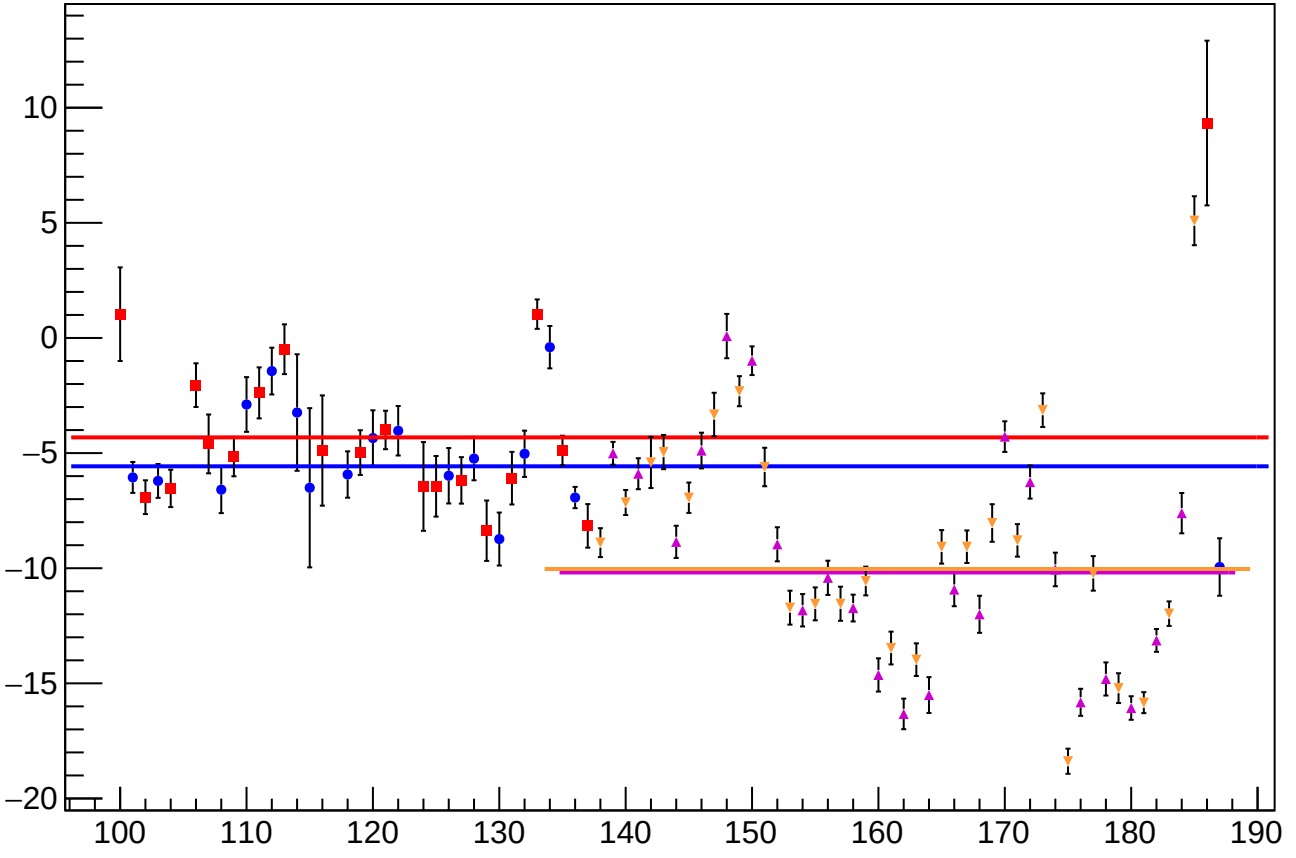
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -57.592+/-0.096 χ^2/NDF: 4737.2/41

All: -57.500+/-0.069 χ^2/NDF: 9421.8/84

- sign -57.404+/-0.098 χ^2/NDF: 4682.8/42

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.574+/-0.226 χ^2/NDF: 88.7/16

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

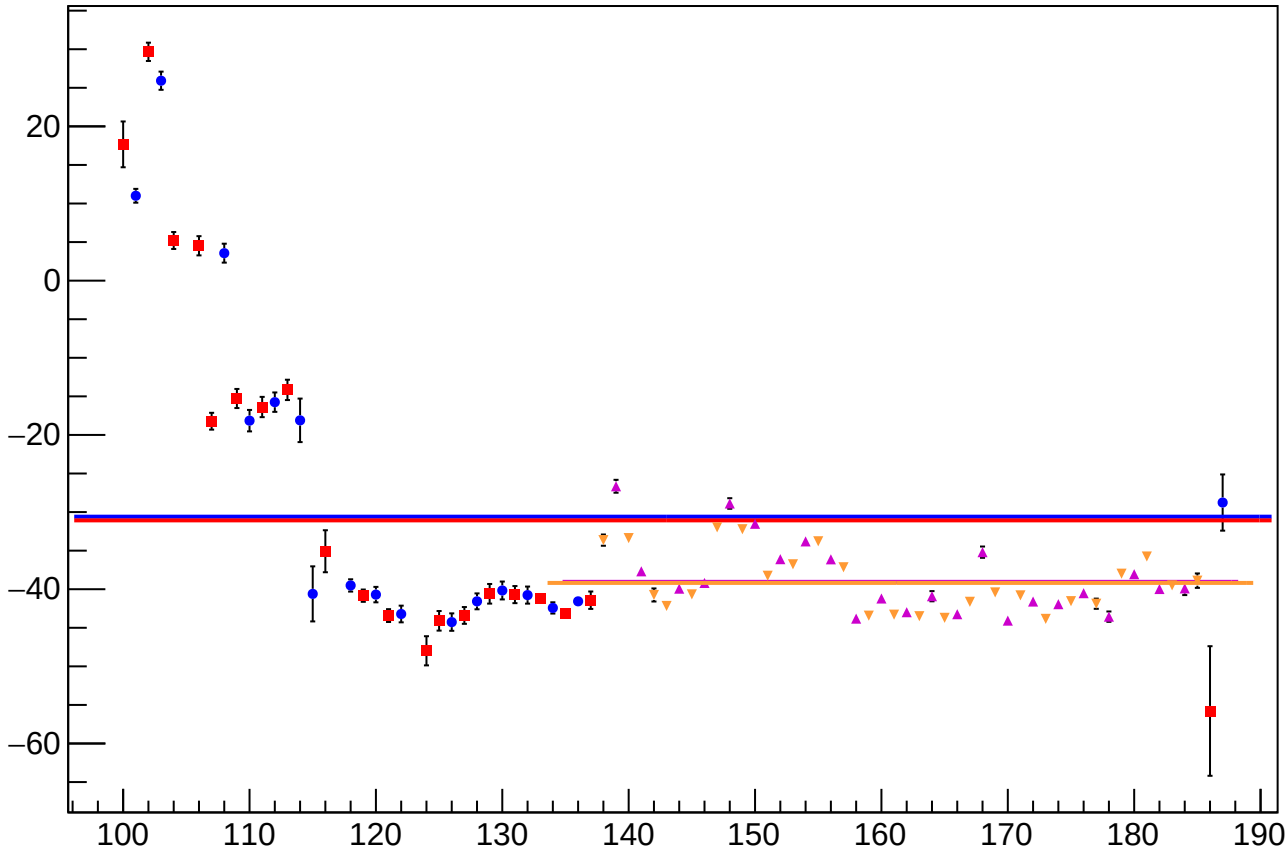
Right Out: -4.318+/-0.222 χ^2/NDF: 171.2/19

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.846+/-0.117 χ^2/NDF: 1556.5/41

All: -8.690+/-0.083 χ^2/NDF: 3375.1/84

- sign -8.531+/-0.118 χ^2/NDF: 1815.0/42



Right In: -30.596+/-0.249 χ^2/NDF: 6938.3/16

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -31.076+/-0.238 χ^2/NDF: 6985.1/19

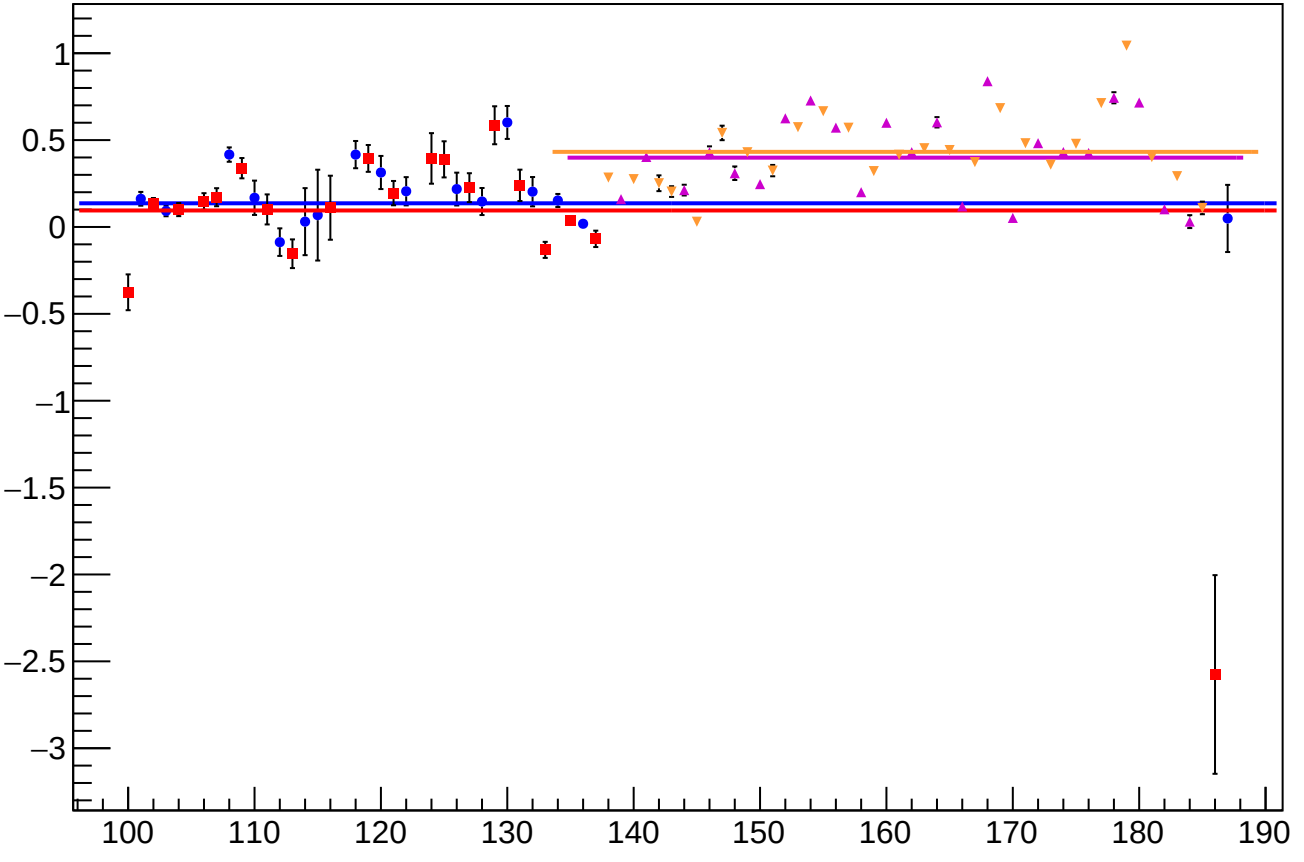
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -37.563+/-0.108 χ^2/NDF: 8938.5/41

All: -37.450+/-0.077 χ^2/NDF: 18035.0/84

- sign -37.334+/-0.110 χ^2/NDF: 9094.3/42

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.136+/-0.012 χ^2/NDF: 129.5/16

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.095+/-0.012 χ^2/NDF: 169.6/19

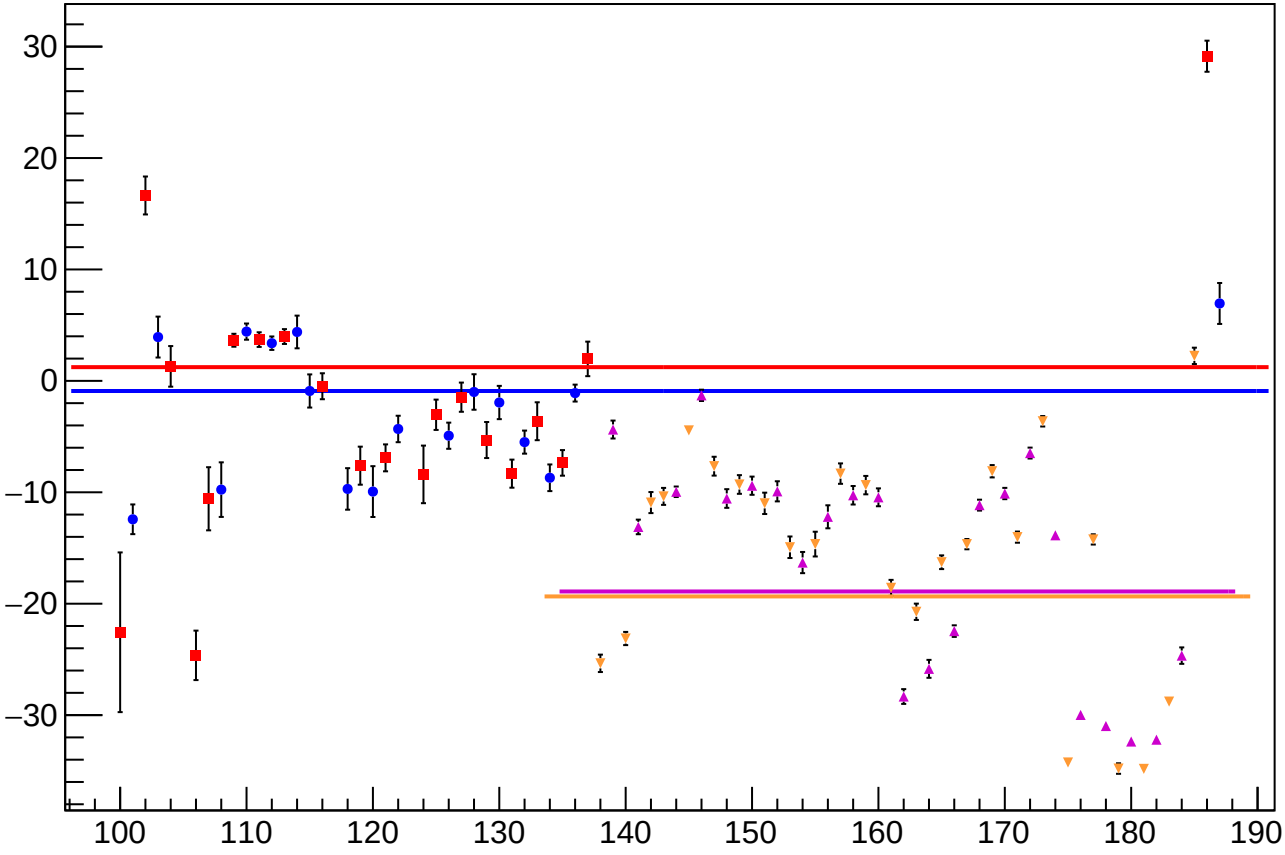
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.387+/-0.005 χ^2/NDF: 1975.0/41

All: 0.369+/-0.003 χ^2/NDF: 4606.4/84

- sign 0.351+/-0.005 χ^2/NDF: 2604.2/42

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -0.909+/-0.277 χ^2/NDF: 350.7/16

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.232+/-0.261 χ^2/NDF: 935.3/19

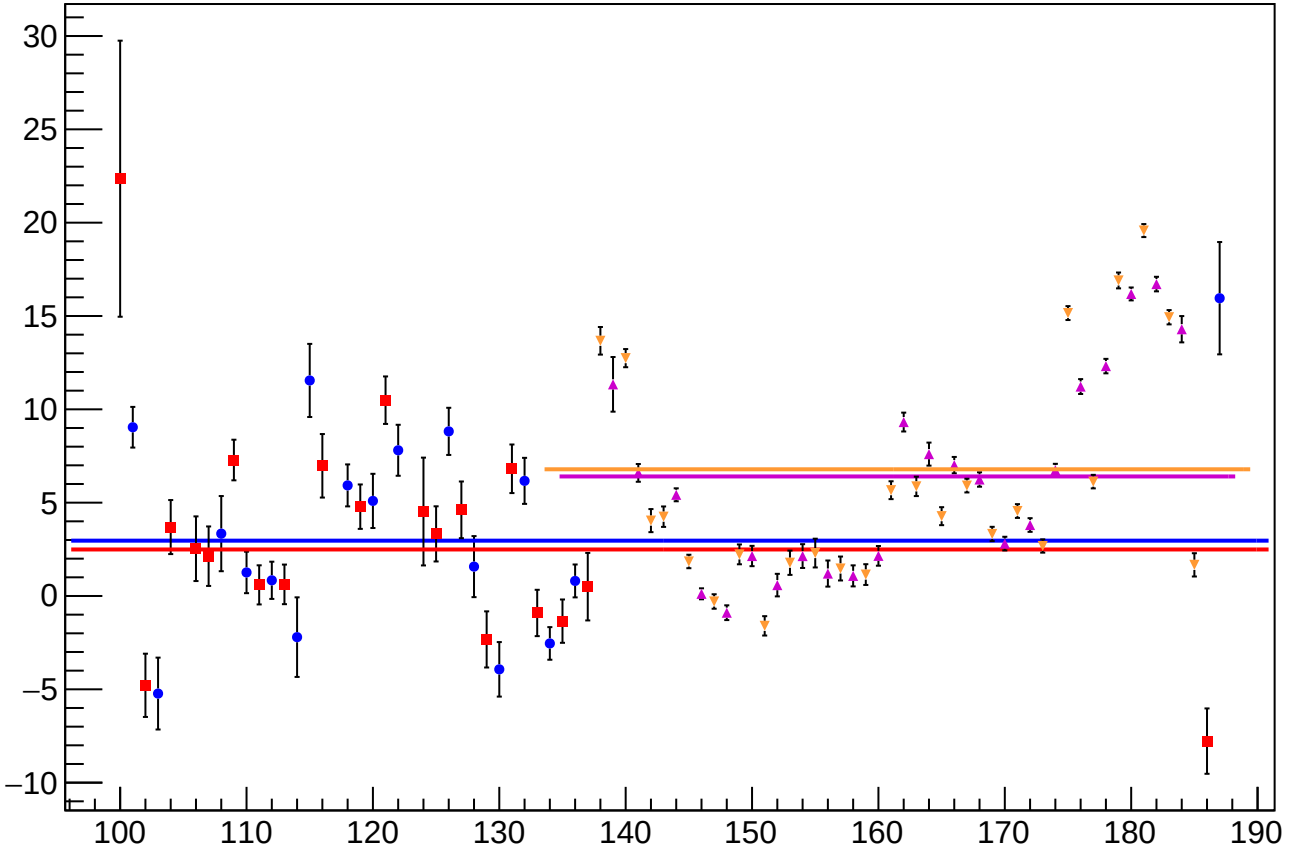
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.708+/-0.105 χ^2/NDF: 14531.9/41

All: -16.152+/-0.075 χ^2/NDF: 28762.4/84

- sign -15.584+/-0.106 χ^2/NDF: 14173.8/42

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 2.964+/-0.312 χ^2/NDF: 218.4/16

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

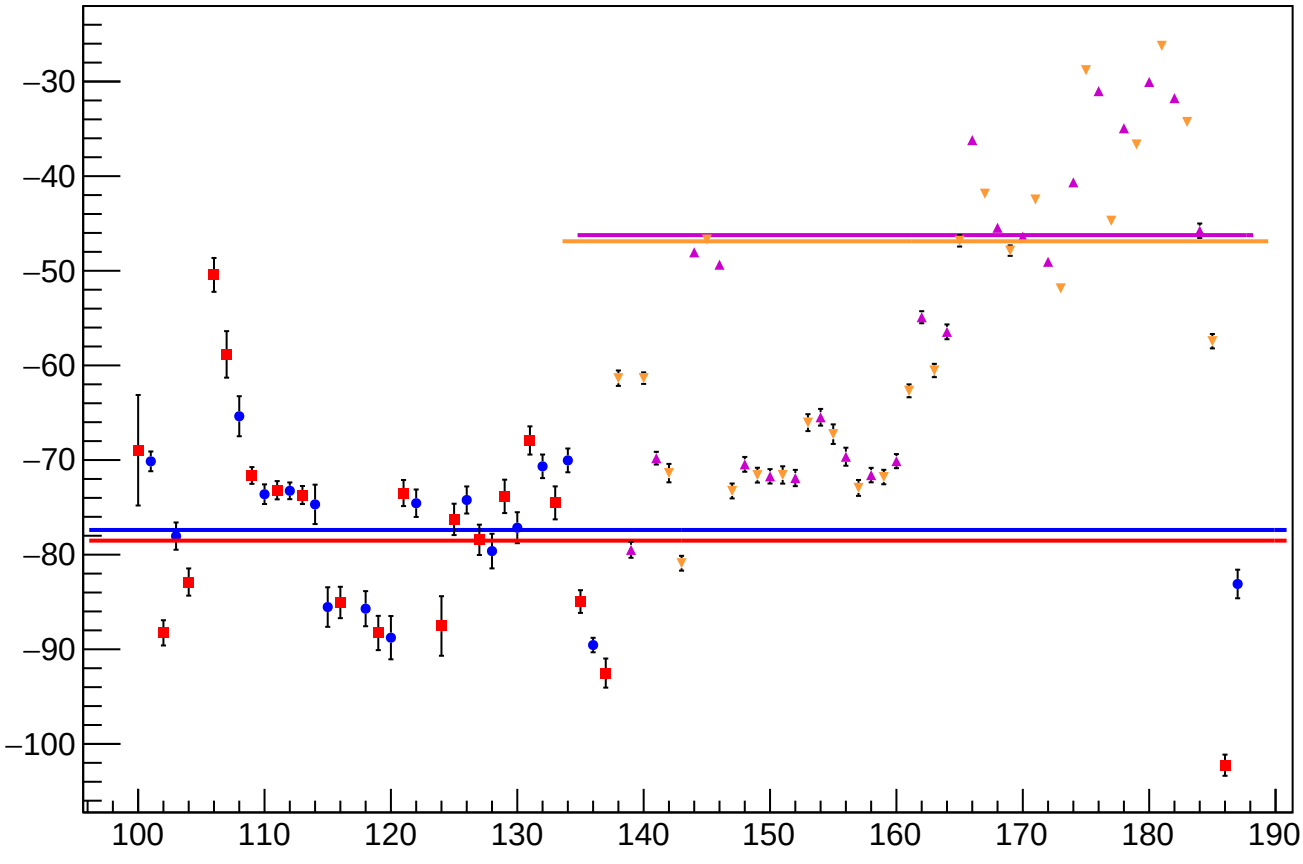
Right Out: 2.492+/-0.317 χ^2/NDF: 180.5/19

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.493+/-0.087 χ^2/NDF: 4989.8/41

All: 6.301+/-0.062 χ^2/NDF: 8731.3/84

- sign 6.105+/-0.088 χ^2/NDF: 3731.6/42



Right In: -77.390+/-0.319 χ^2/NDF: 518.2/16

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -78.516+/-0.315 χ^2/NDF: 1183.5/19

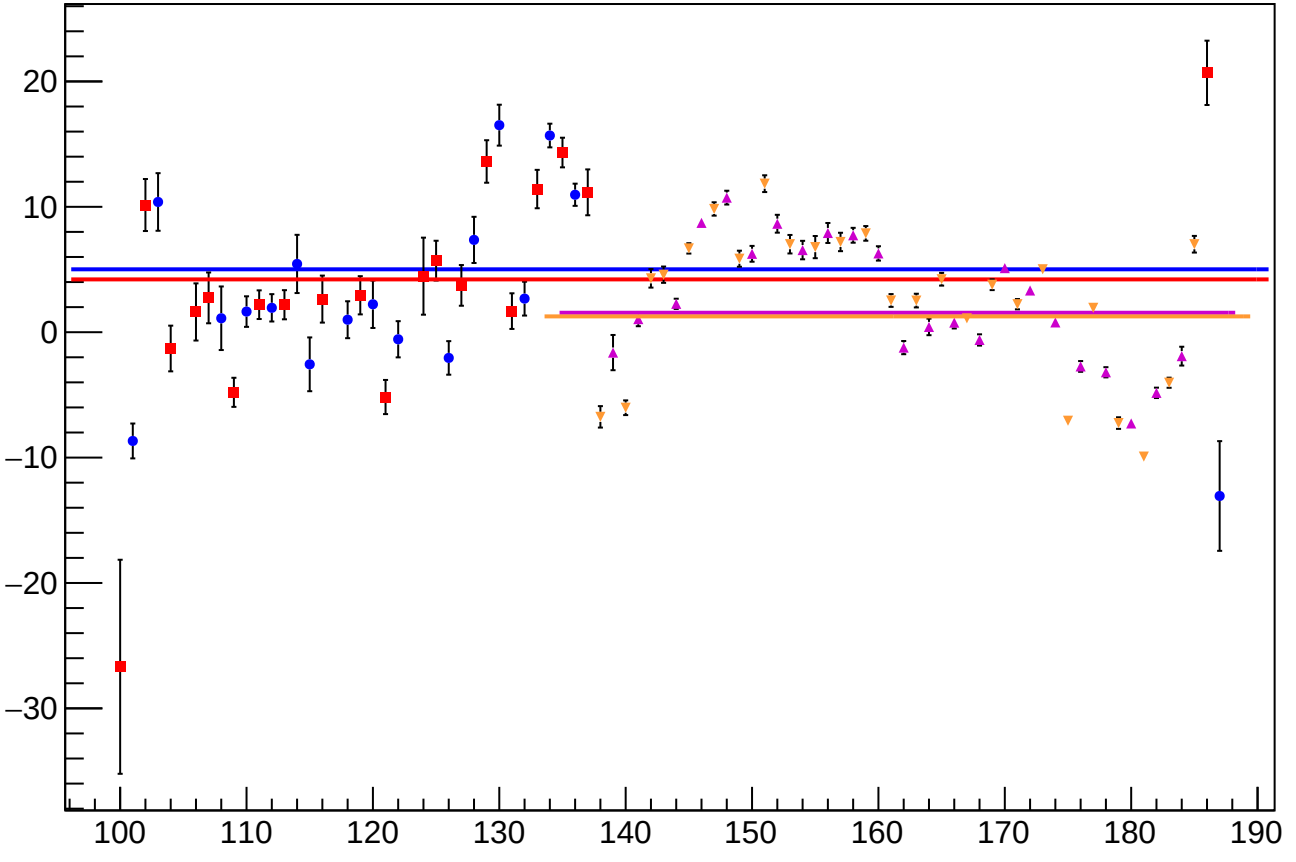
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.333+/-0.107 χ^2/NDF: 26607.5/41

All: -50.218+/-0.076 χ^2/NDF: 52197.6/84

- sign -50.098+/-0.109 χ^2/NDF: 25587.7/42

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 5.016+/-0.349 χ^2/NDF: 429.5/16

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.212+/-0.358 χ^2/NDF: 333.5/19

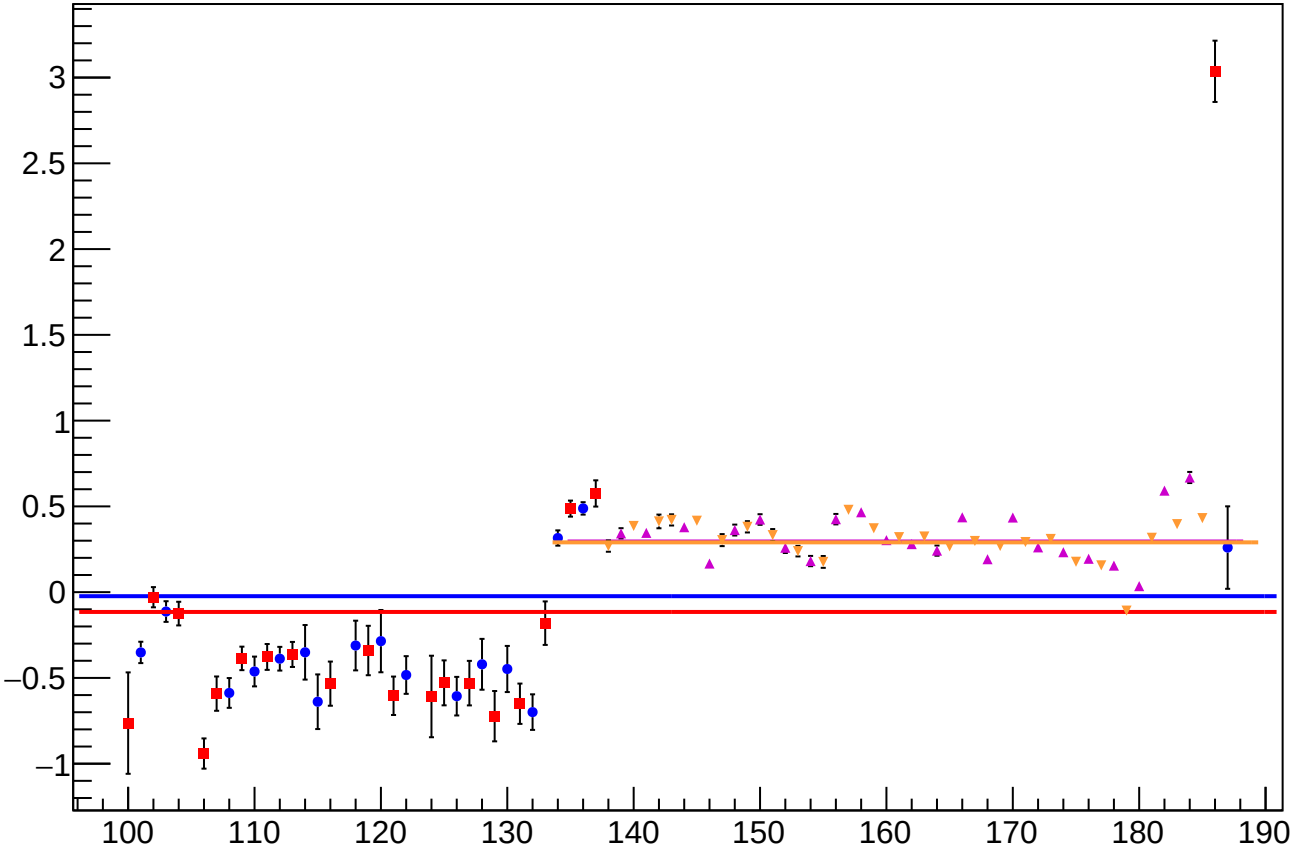
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.549+/-0.096 χ^2/NDF: 3982.3/41

All: 1.648+/-0.069 χ^2/NDF: 6704.8/84

- sign 1.751+/-0.098 χ^2/NDF: 2720.3/42

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.023+/-0.019 χ^2/NDF: 513.8/16

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.115+/-0.020 χ^2/NDF: 810.1/19

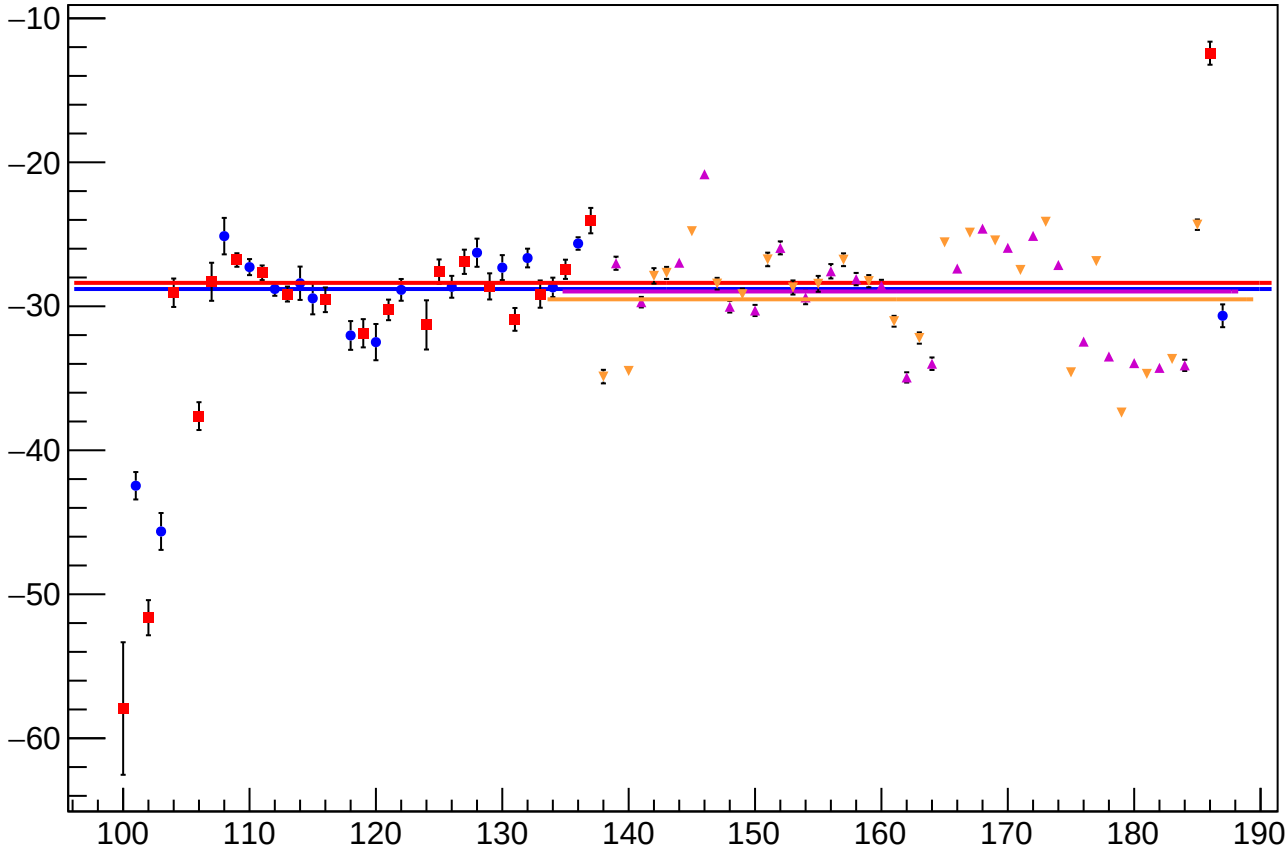
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.274+/-0.004 χ^2/NDF: 1494.6/41

All: 0.274+/-0.003 χ^2/NDF: 3737.9/84

- sign 0.275+/-0.004 χ^2/NDF: 2243.3/42

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -28.801+/-0.181 χ^2/NDF: 493.1/16

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.373+/-0.177 χ^2/NDF: 974.0/19

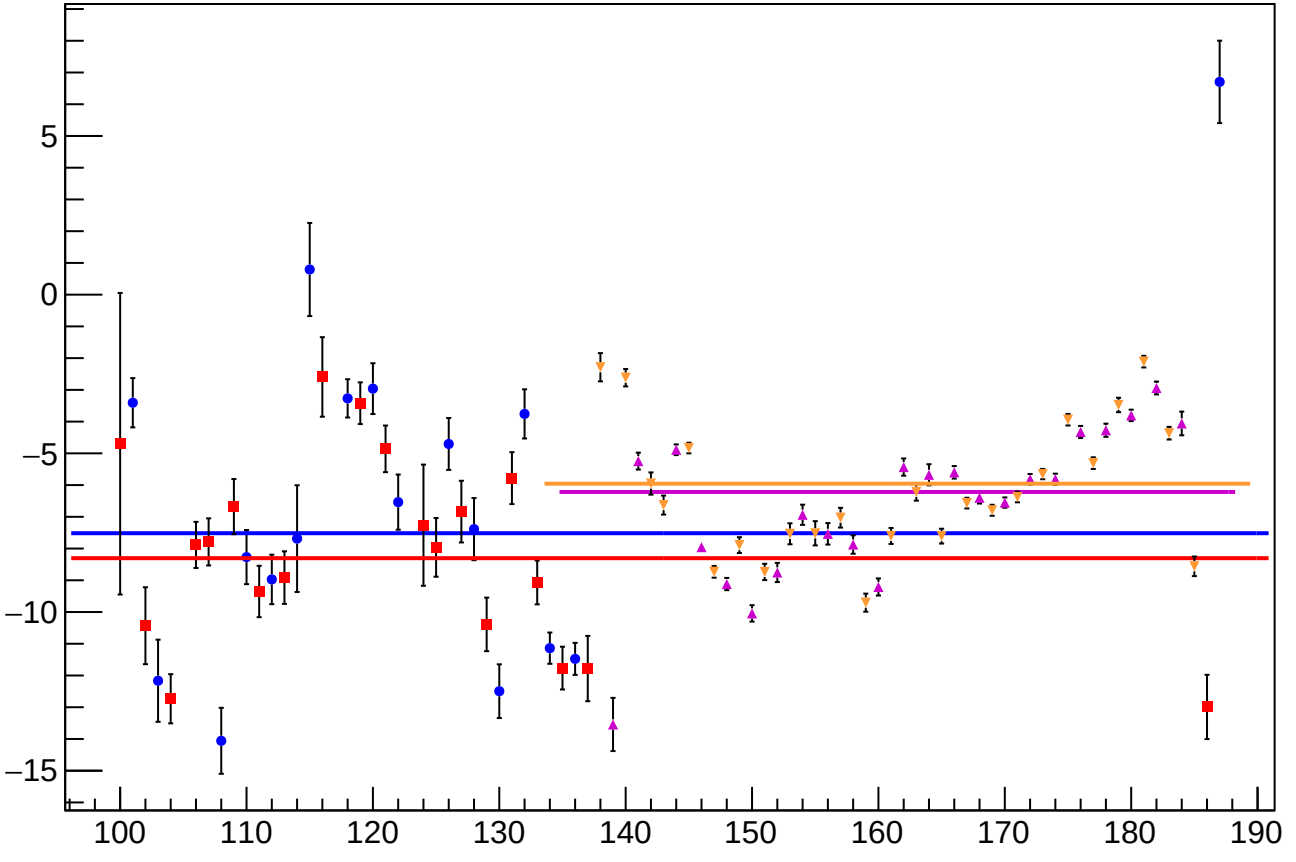
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.453+/-0.054 χ^2/NDF: 6595.8/41

All: -29.186+/-0.038 χ^2/NDF: 12978.4/84

- sign -28.915+/-0.054 χ^2/NDF: 6332.9/42

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.517+/-0.193 χ^2/NDF: 505.9/16

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.304+/-0.193 χ^2/NDF: 219.6/19

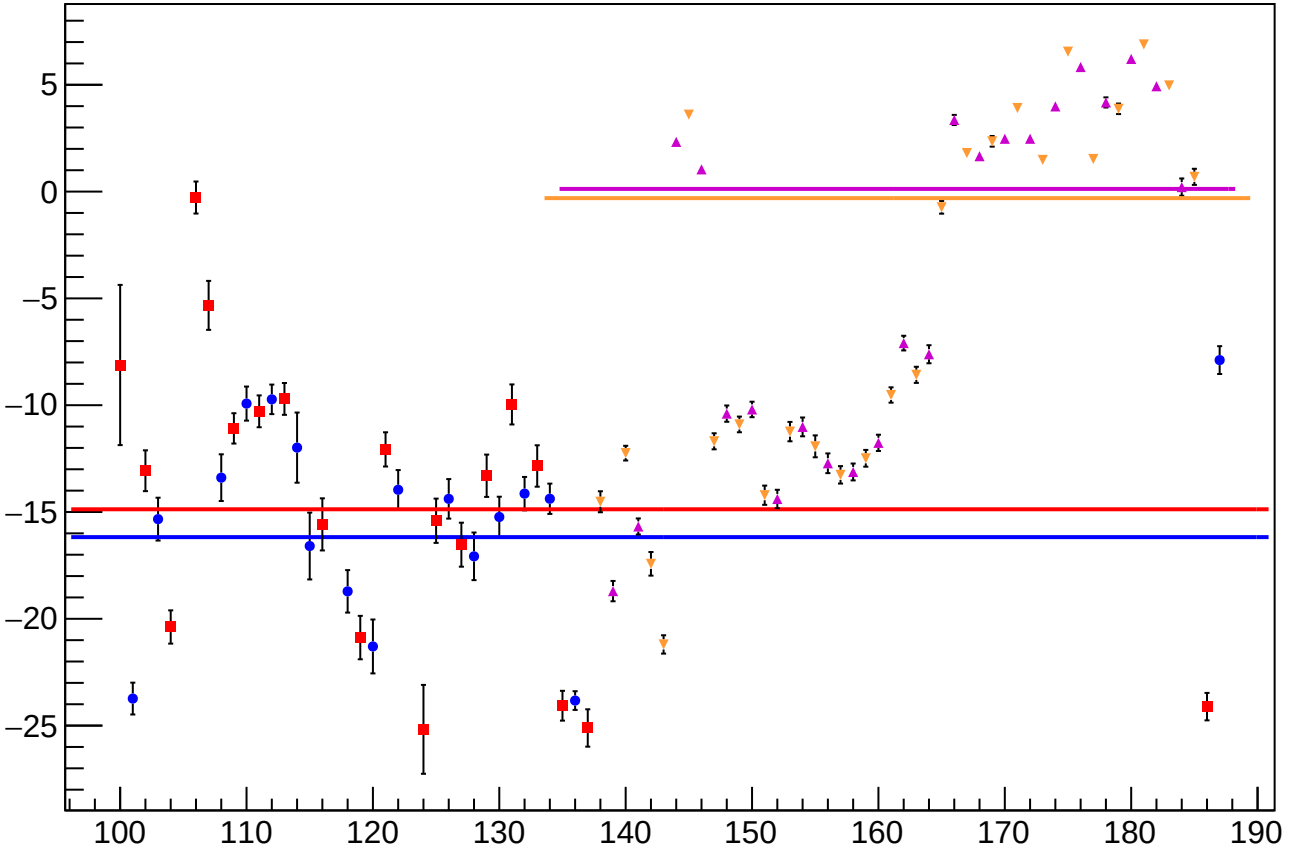
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.035+/-0.043 χ^2/NDF: 2425.9/41

All: -6.179+/-0.031 χ^2/NDF: 4520.2/84

- sign -6.321+/-0.043 χ^2/NDF: 2072.3/42

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -16.176+/-0.199 χ^2/NDF: 779.8/16

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.873+/-0.199 χ^2/NDF: 1246.3/19

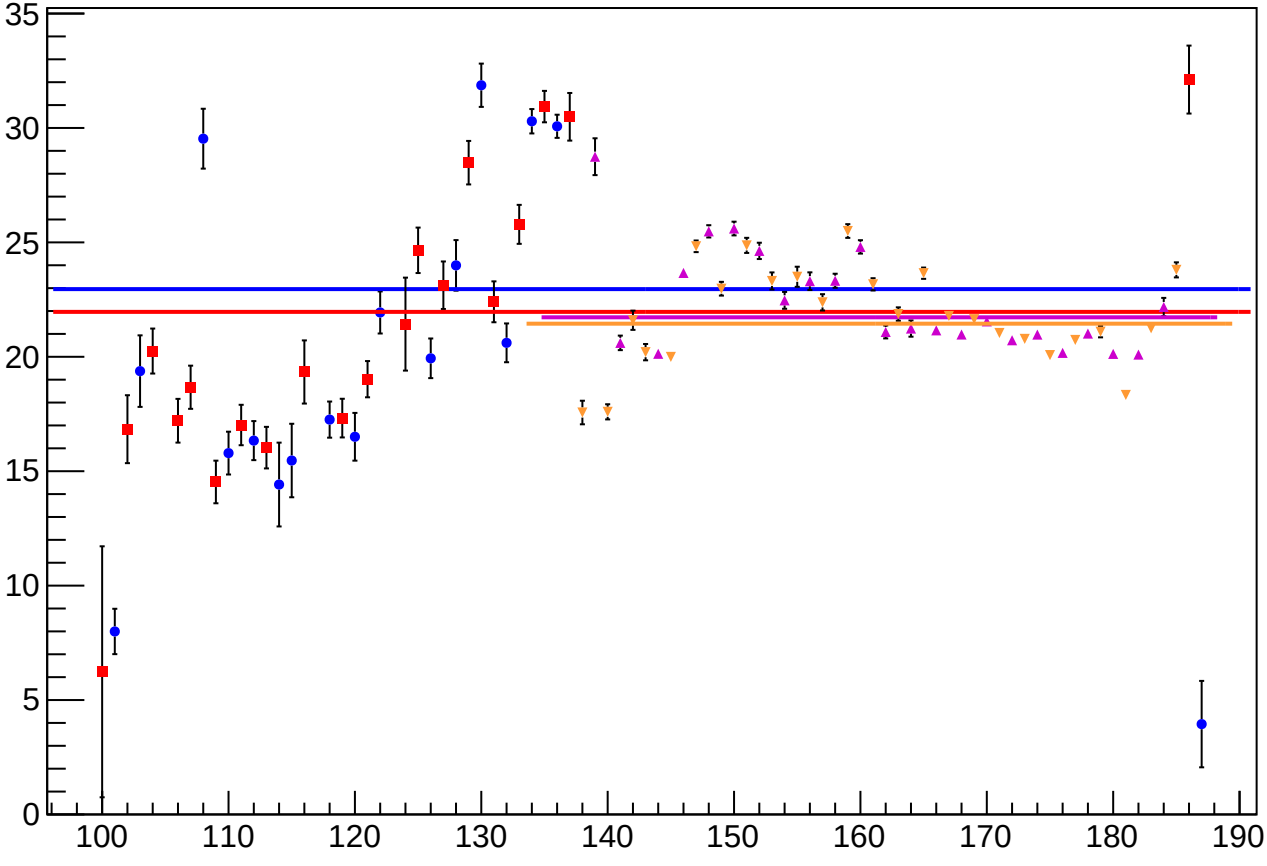
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.489+/-0.054 χ^2/NDF: 23828.3/41

All: -1.252+/-0.039 χ^2/NDF: 44200.1/84

- sign -1.012+/-0.055 χ^2/NDF: 20333.7/42

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.958+/-0.217 χ^2/NDF: 1110.9/16

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.963+/-0.222 χ^2/NDF: 606.0/19

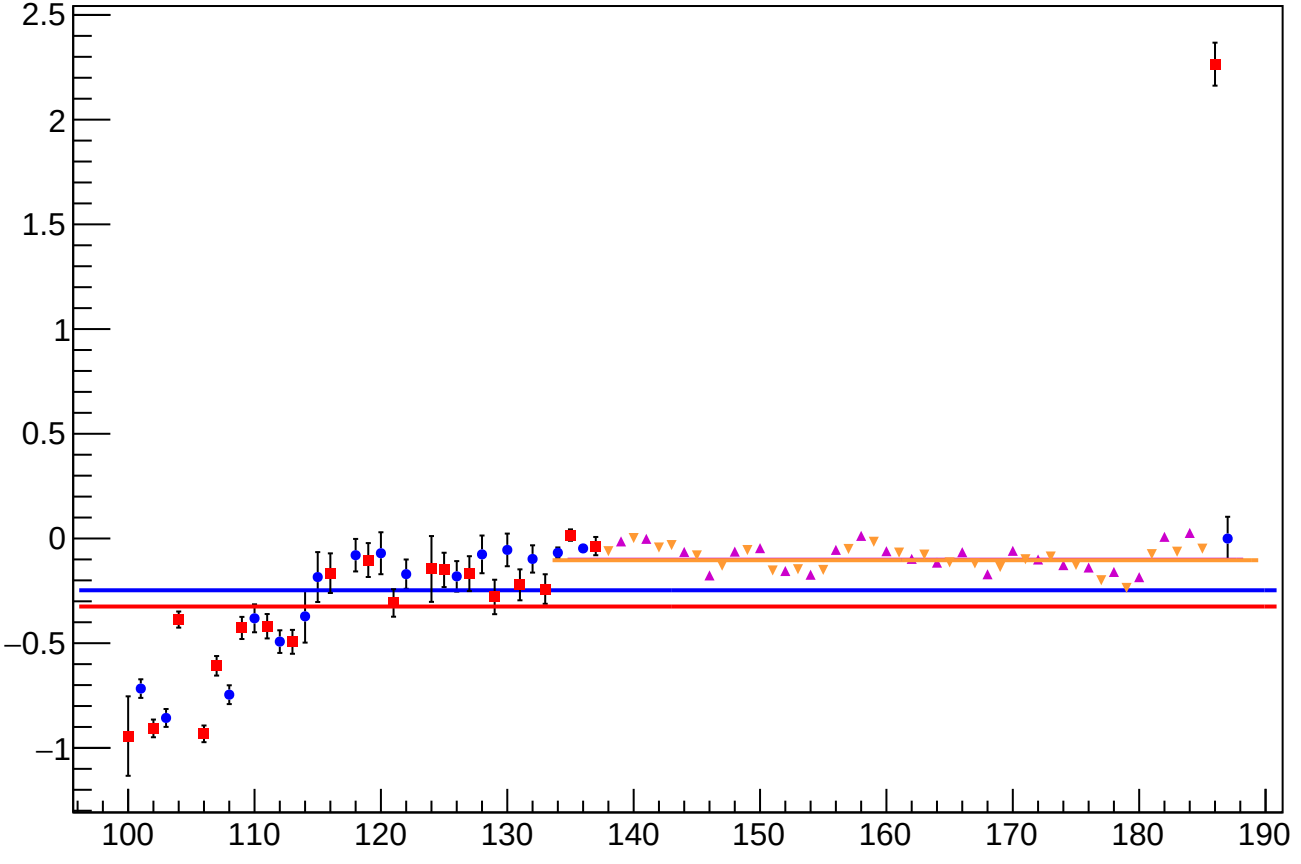
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.522+/-0.048 χ^2/NDF: 2482.3/41

All: 21.629+/-0.034 χ^2/NDF: 4273.0/84

- sign 21.737+/-0.048 χ^2/NDF: 1780.8/42

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.247+/-0.012 χ^2/NDF: 639.3/16

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.325+/-0.012 χ^2/NDF: 1350.2/19

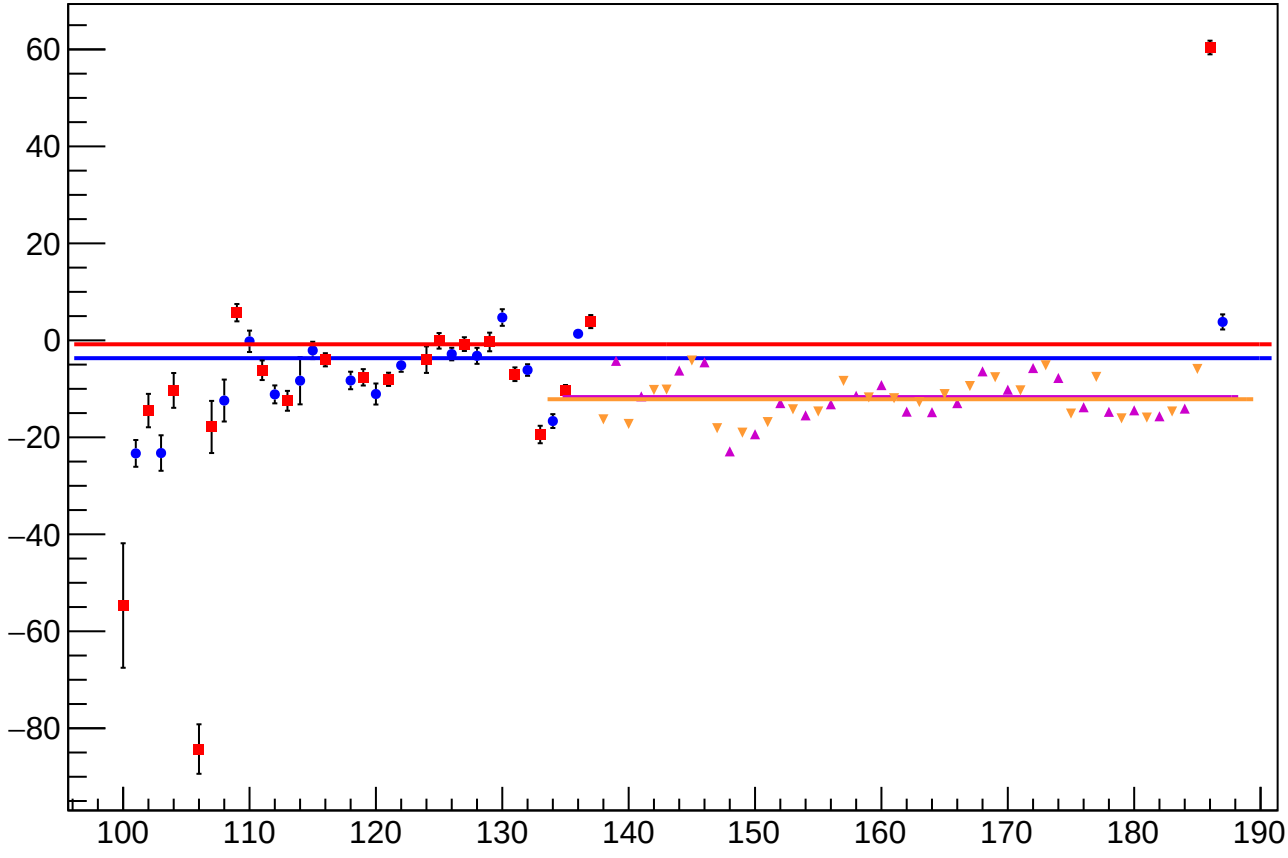
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.109+/-0.002 χ^2/NDF: 1334.8/41

All: -0.109+/-0.002 χ^2/NDF: 3764.6/84

- sign -0.108+/-0.002 χ^2/NDF: 2429.8/42

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -3.676+/-0.371 χ^2/NDF: 312.3/16

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

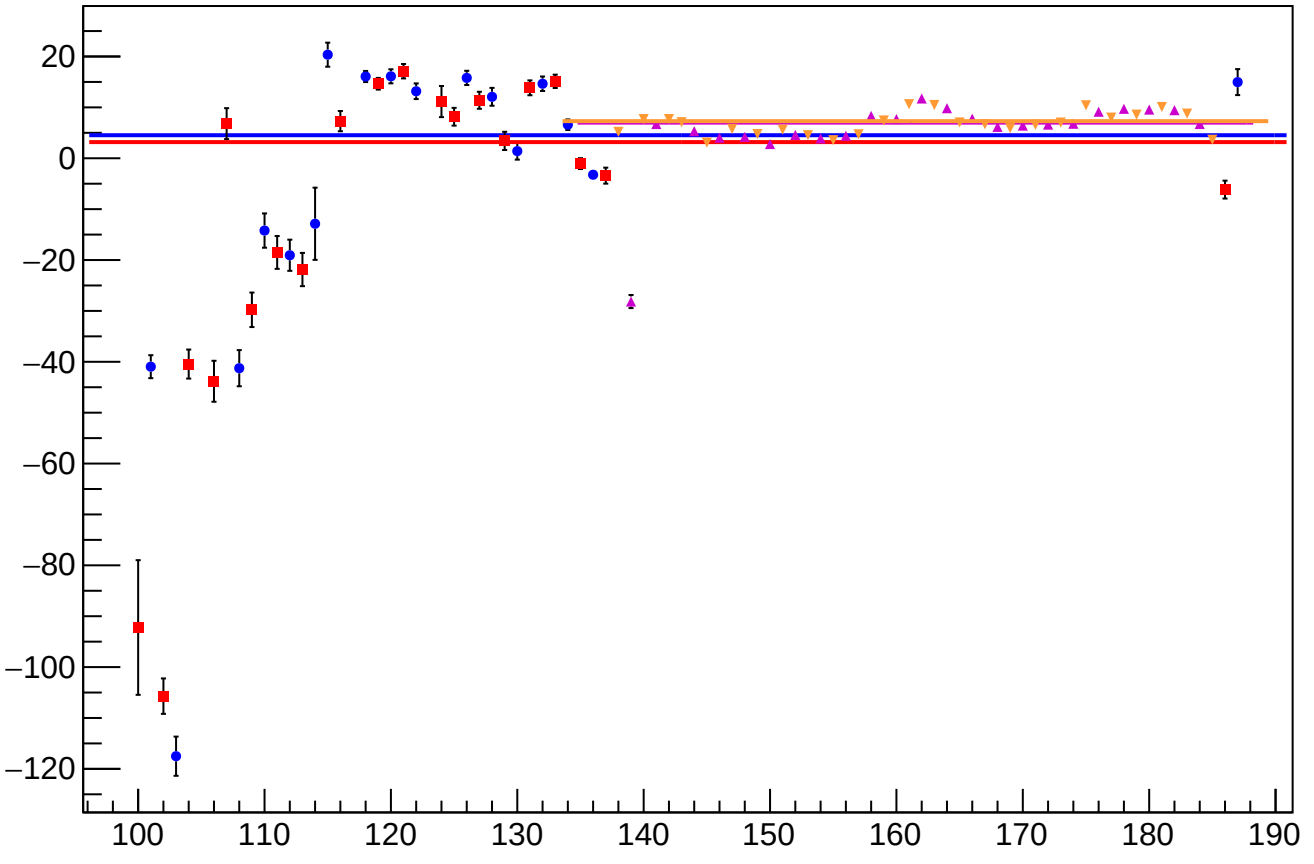
Right Out: -0.811+/-0.392 χ^2/NDF: 2524.7/19

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.657+/-0.089 χ^2/NDF: 2934.2/41

All: -11.388+/-0.064 χ^2/NDF: 8159.1/84

- sign -11.102+/-0.092 χ^2/NDF: 5206.0/42



Right In: 4.530+/-0.381 χ^2/NDF: 2186.2/16

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 3.177+/-0.411 χ^2/NDF: 2037.1/19

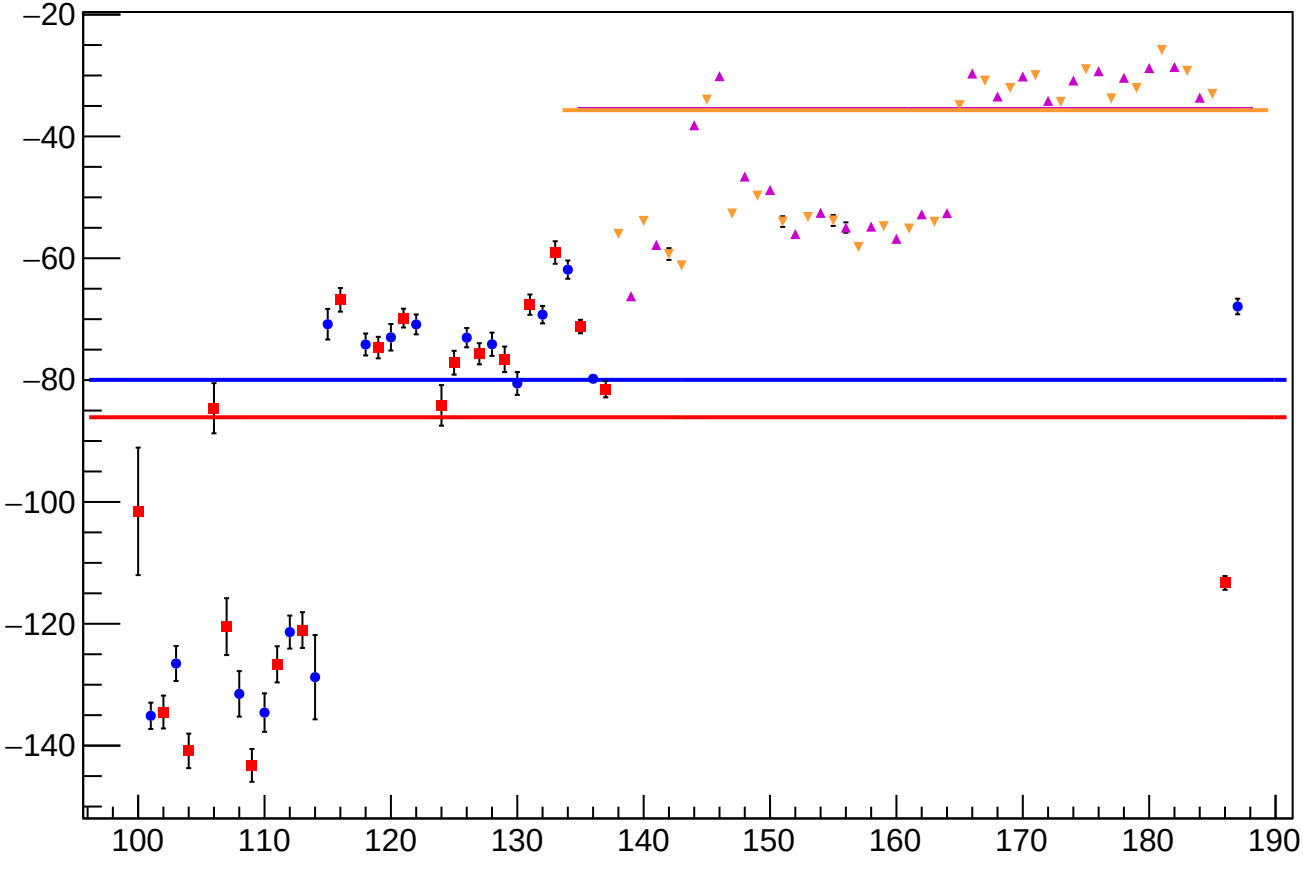
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 7.194+/-0.074 χ^2/NDF: 3059.9/41

All: 7.038+/-0.052 χ^2/NDF: 6766.0/84

- sign 6.878+/-0.075 χ^2/NDF: 3697.0/42

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -79.958+/-0.396 χ^2/NDF: 2068.7/16

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -86.100+/-0.427 χ^2/NDF: 2975.6/19

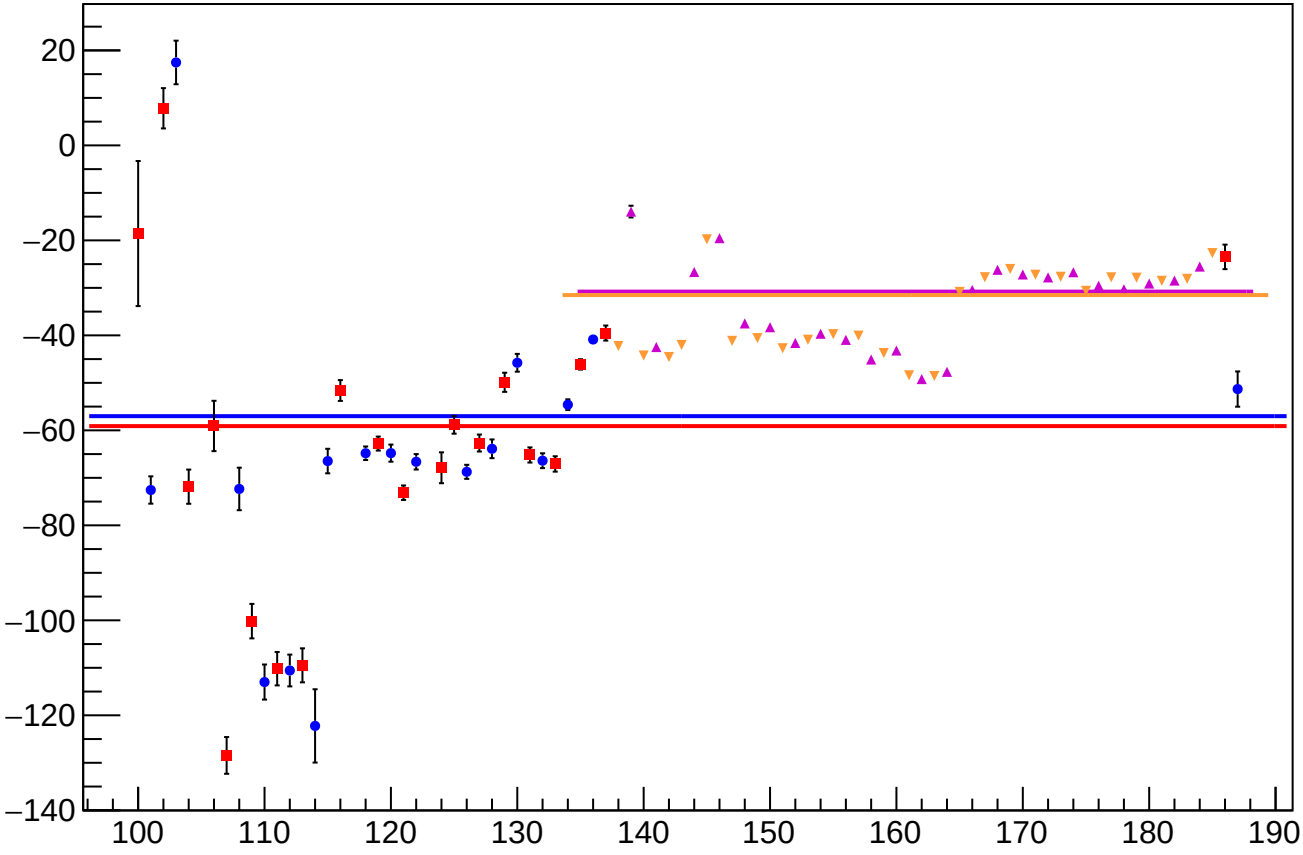
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

\+ sign -37.964+/-0.090 χ^2/NDF: 26677.7/41

All: -37.915+/-0.064 χ^2/NDF: 54199.9/84

\- sign -37.863+/-0.092 χ^2/NDF: 27521.6/42

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -57.014+/-0.423 χ^2/NDF: 1529.2/16

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -59.107+/-0.462 χ^2/NDF: 1784.5/19

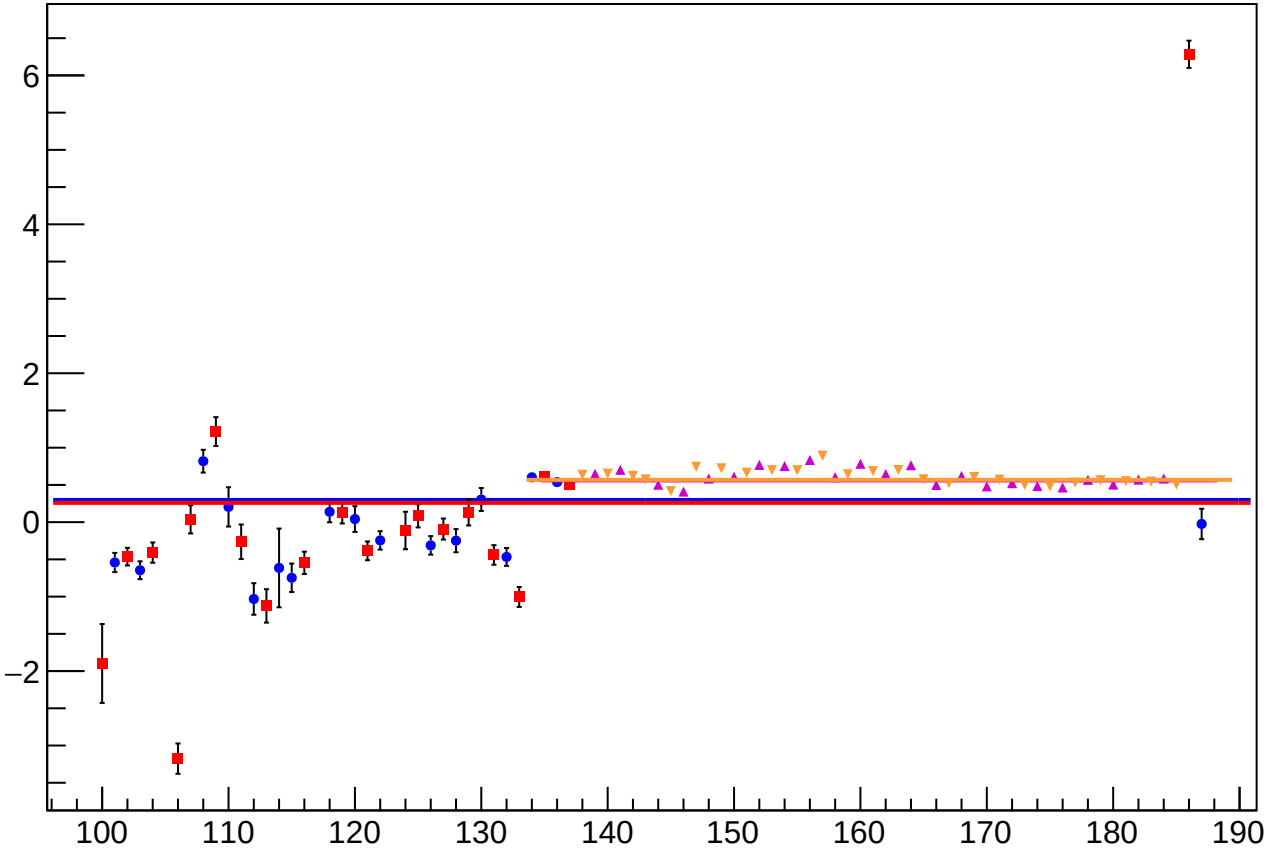
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.461+/-0.081 χ^2/NDF: 13486.0/41

All: -32.088+/-0.058 χ^2/NDF: 26491.6/84

- sign -31.700+/-0.083 χ^2/NDF: 12962.7/42

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.298+/-0.023 χ^2/NDF: 377.4/16

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

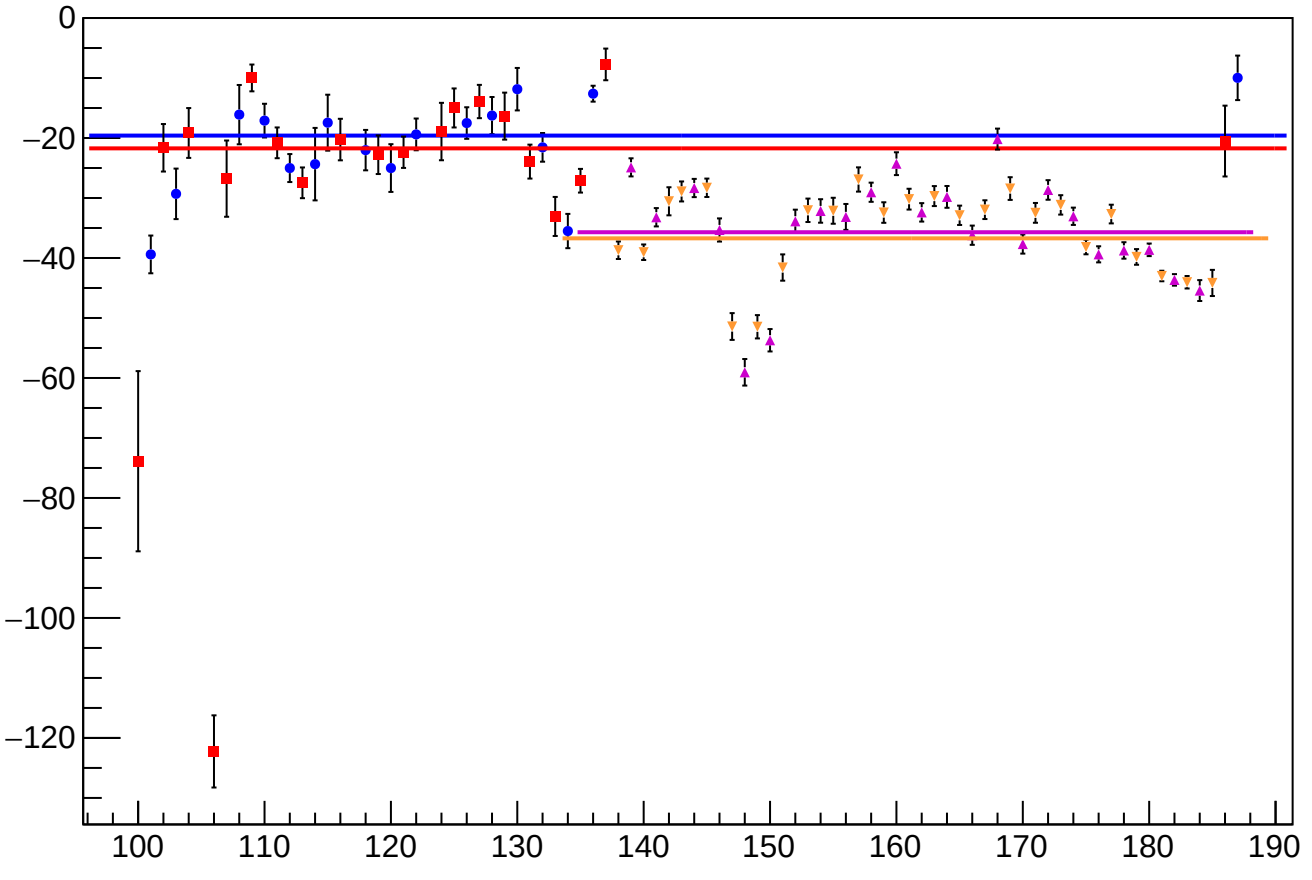
Right Out: 0.259+/-0.026 χ^2/NDF: 1780.9/19

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.561+/-0.004 χ^2/NDF: 1068.6/41

All: 0.558+/-0.003 χ^2/NDF: 3652.3/84

- sign 0.554+/-0.004 χ^2/NDF: 2581.6/42



Right In: -19.597+/-0.683 χ^2/NDF: 127.5/16

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -21.728+/-0.709 χ^2/NDF: 388.4/19

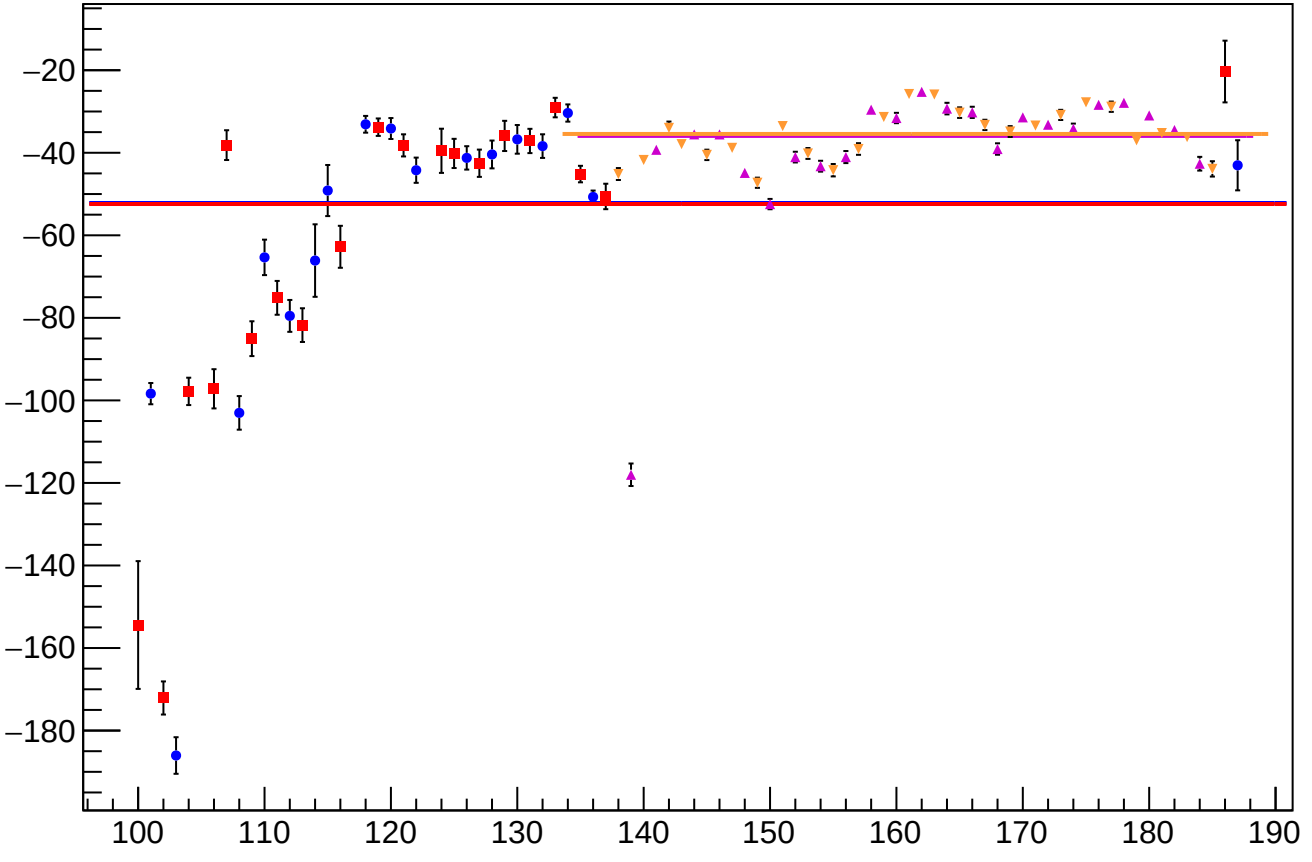
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.795+/-0.282 χ^2/NDF: 1069.7/41

All: -33.557+/-0.204 χ^2/NDF: 2360.4/84

- sign -33.299+/-0.294 χ^2/NDF: 1289.2/42

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -52.172+/-0.703 χ^2/NDF: 1780.5/16

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -52.416+/-0.745 χ^2/NDF: 1681.2/19

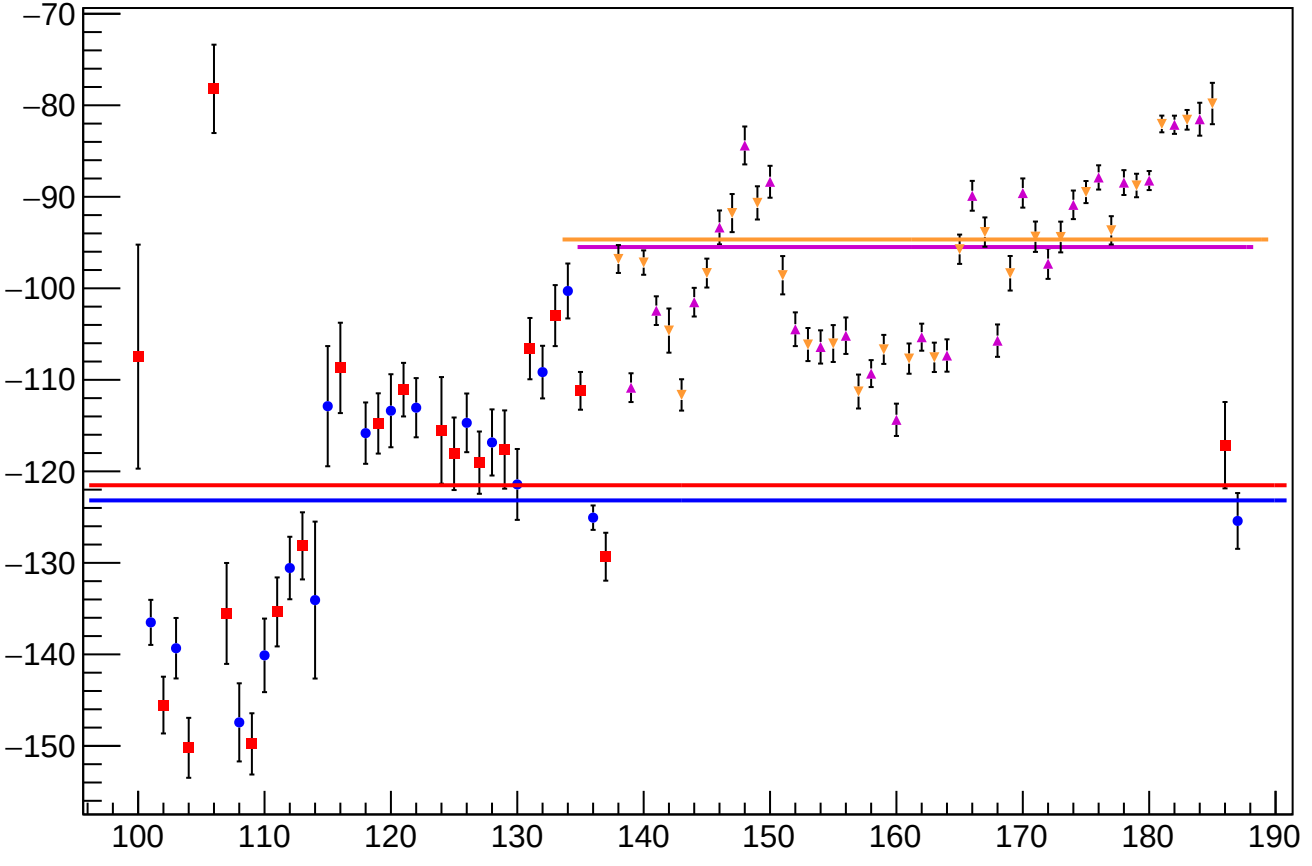
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -37.251+/-0.231 χ^2/NDF: 2822.9/41

All: -37.446+/-0.167 χ^2/NDF: 6488.0/84

- sign -37.659+/-0.242 χ^2/NDF: 3663.5/42

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -123.175+/-0.728 χ^2/NDF: 227.4/16

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -121.519+/-0.790 χ^2/NDF: 425.4/19

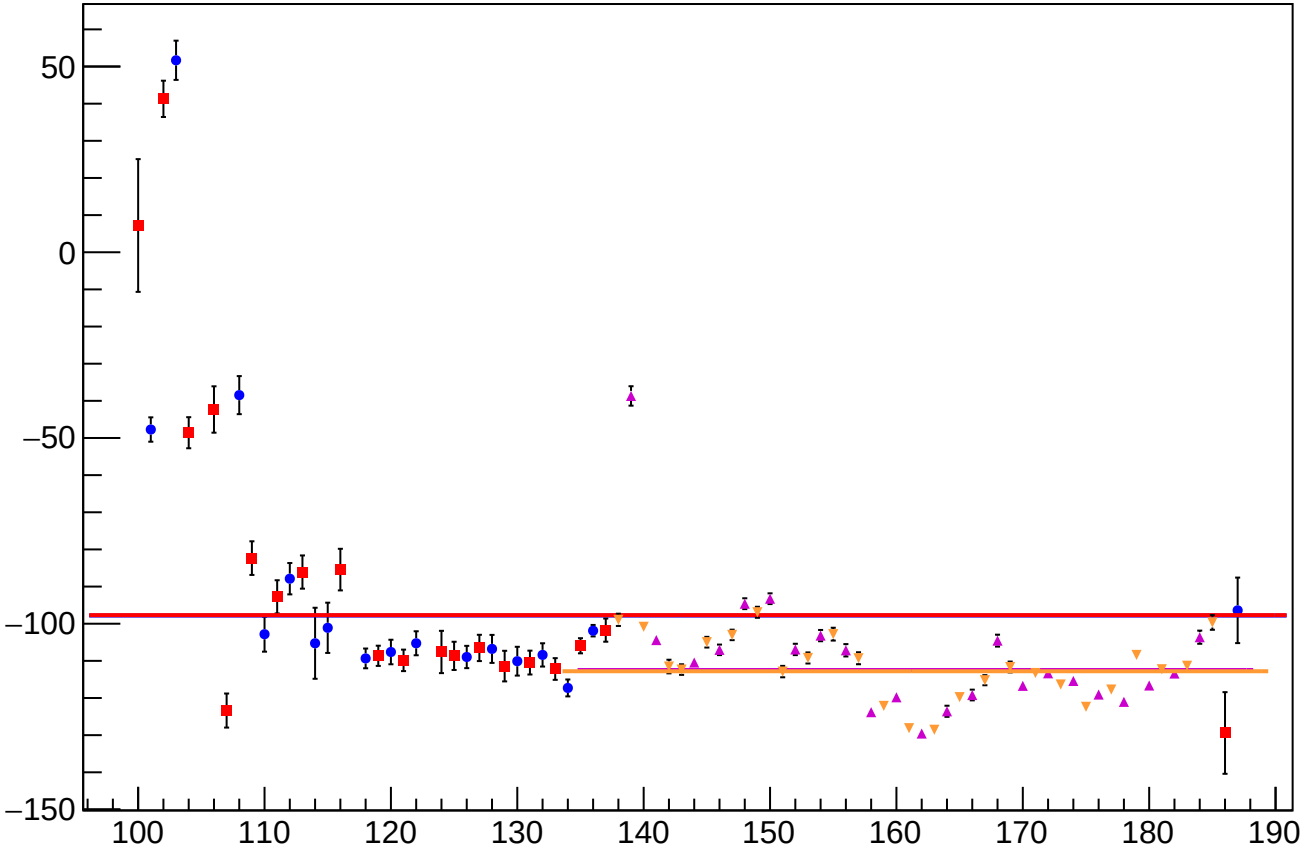
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.032+/-0.285 χ^2/NDF: 2425.3/41

All: -99.104+/-0.206 χ^2/NDF: 4752.8/84

- sign -99.182+/-0.298 χ^2/NDF: 2327.3/42

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -97.803+/-0.790 χ^2/NDF: 1330.8/16

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -97.690+/-0.840 χ^2/NDF: 1244.8/19

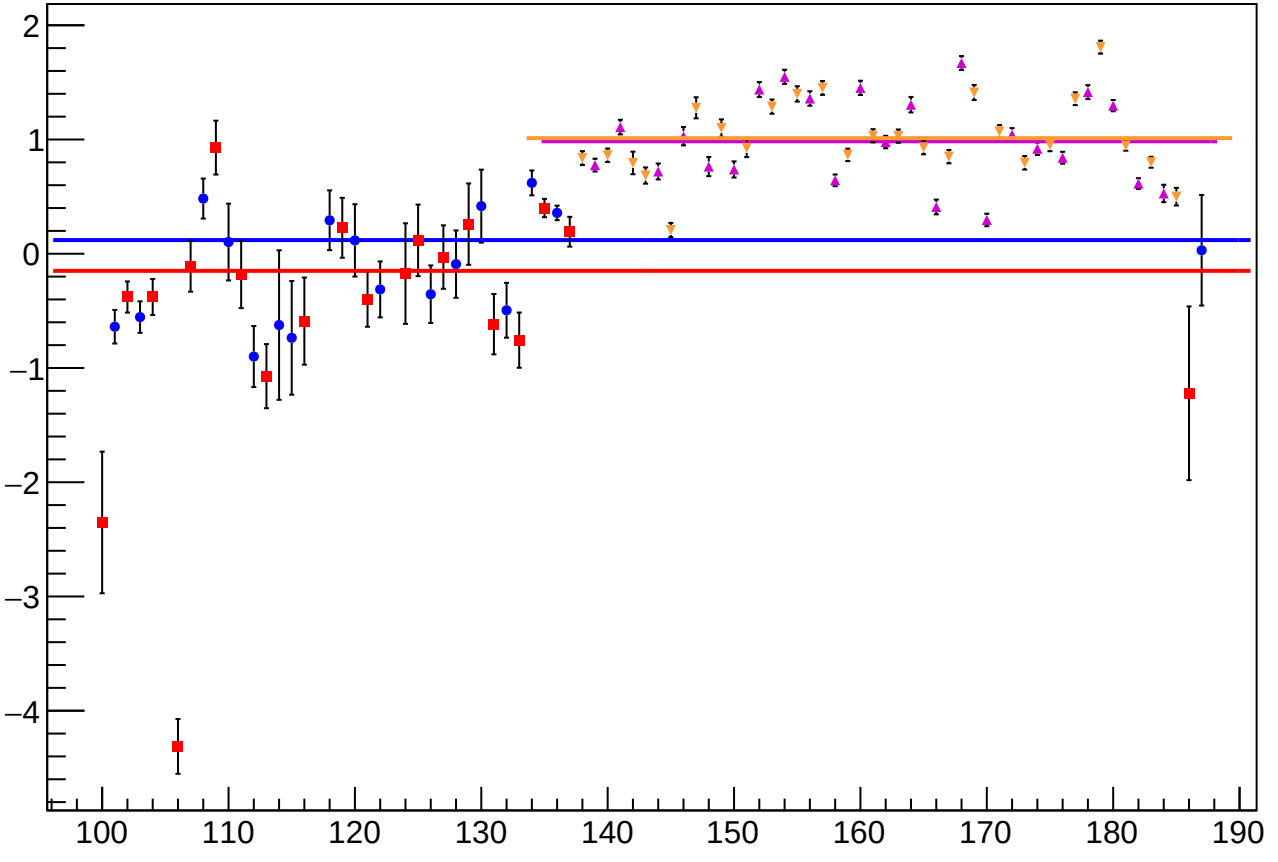
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -111.183+/-0.259 χ^2/NDF: 2588.8/41

All: -111.068+/-0.187 χ^2/NDF: 5900.0/84

- sign -110.942+/-0.270 χ^2/NDF: 3310.8/42

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/16

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.150+/-0.045 χ^2/NDF: 423.0/19

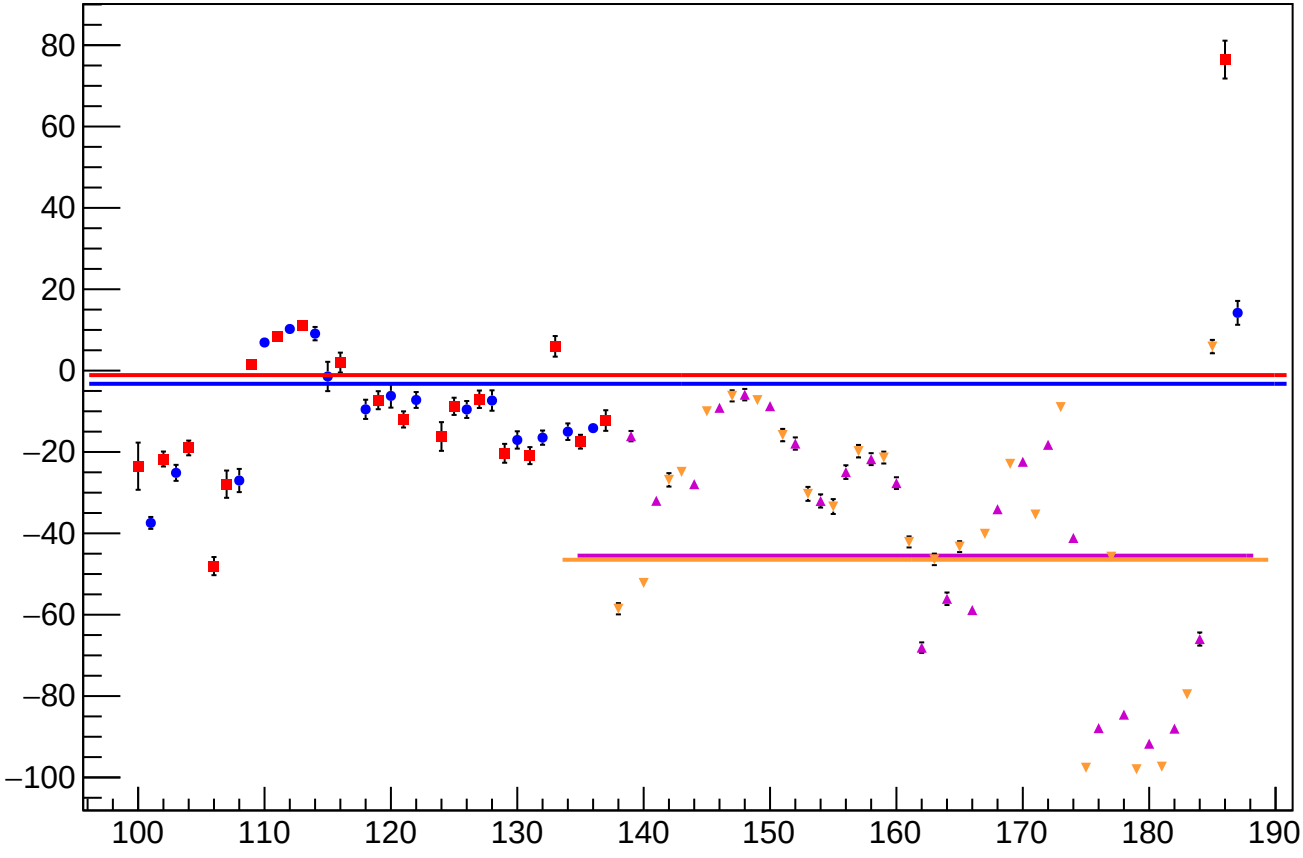
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.939+/-0.012 χ^2/NDF: 1248.4/41

All: 0.921+/-0.008 χ^2/NDF: 3170.2/84

- sign 0.902+/-0.012 χ^2/NDF: 1917.0/42

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -3.241+/-0.374 χ^2/NDF: 1565.0/16

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -1.103+/-0.338 χ^2/NDF: 1803.8/19

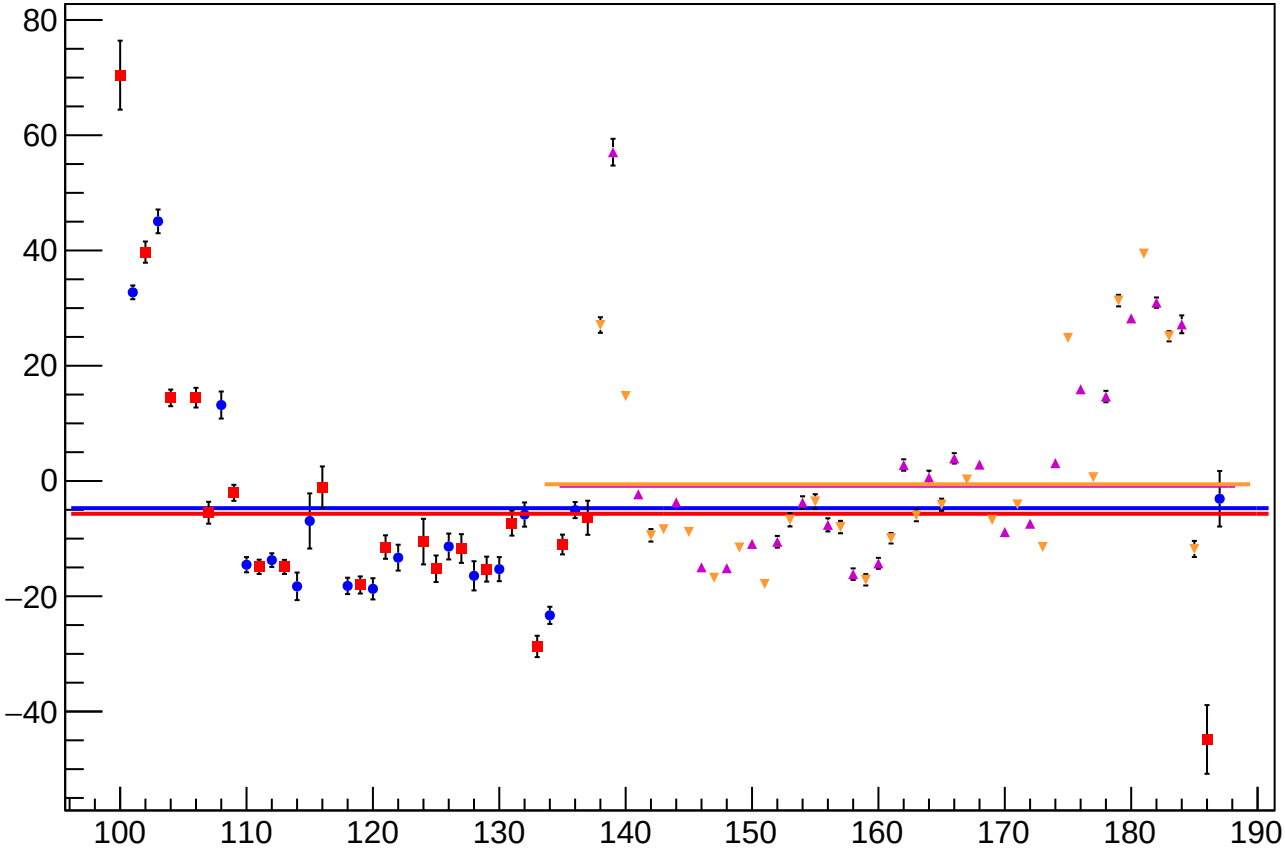
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -34.604+/-0.196 χ^2/NDF: 31325.3/41

All: -32.674+/-0.138 χ^2/NDF: 60450.6/84

- sign -30.775+/-0.194 χ^2/NDF: 28932.8/42

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -4.716+/-0.429 χ^2/NDF: 2148.1/16

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

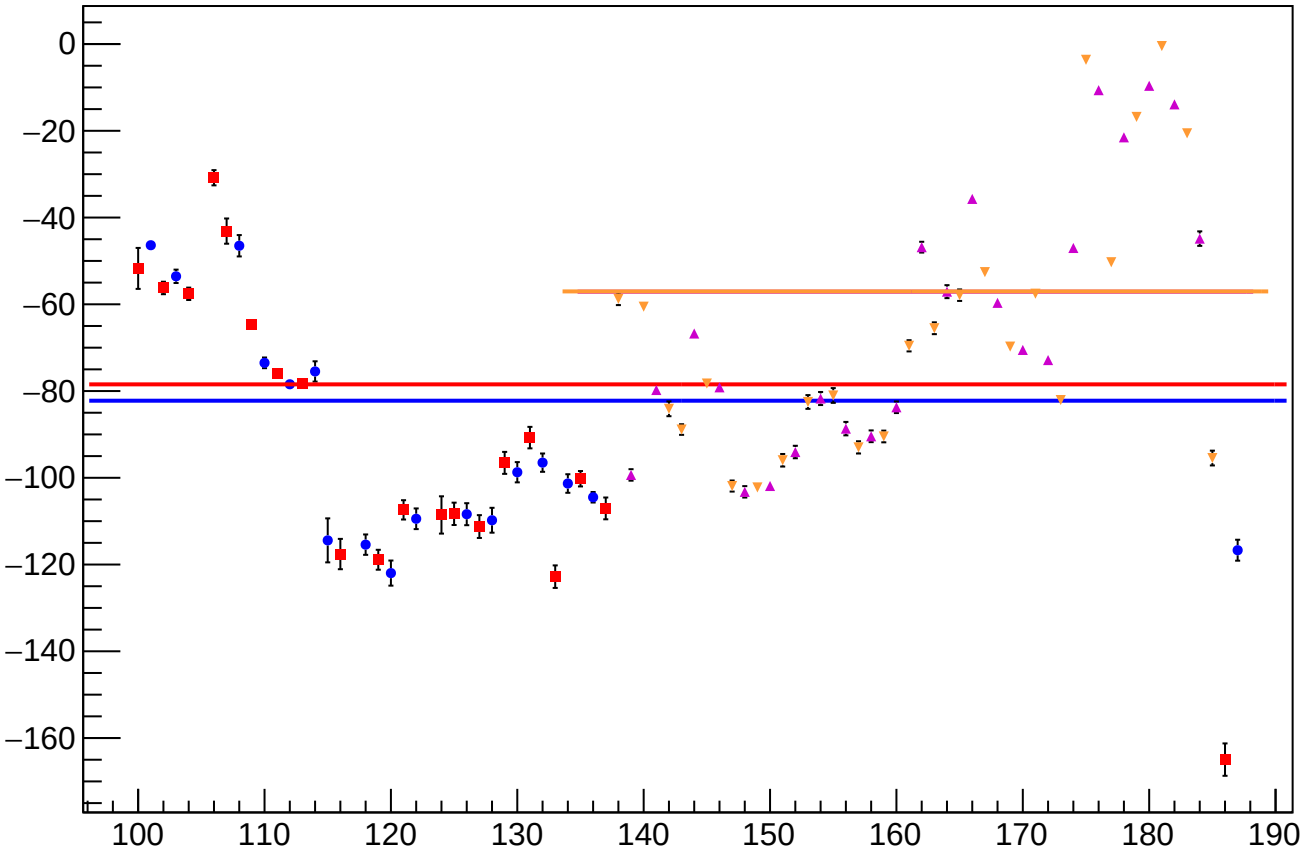
Right Out: -5.687+/-0.421 χ^2/NDF: 1551.9/19

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -1.176+/-0.164 χ^2/NDF: 10679.2/41

All: -1.383+/-0.117 χ^2/NDF: 18463.0/84

- sign -1.600+/-0.168 χ^2/NDF: 7780.5/42



Right In: -82.228+/-0.431 χ^2/NDF: 3080.8/16

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -78.458+/-0.414 χ^2/NDF: 3673.7/19

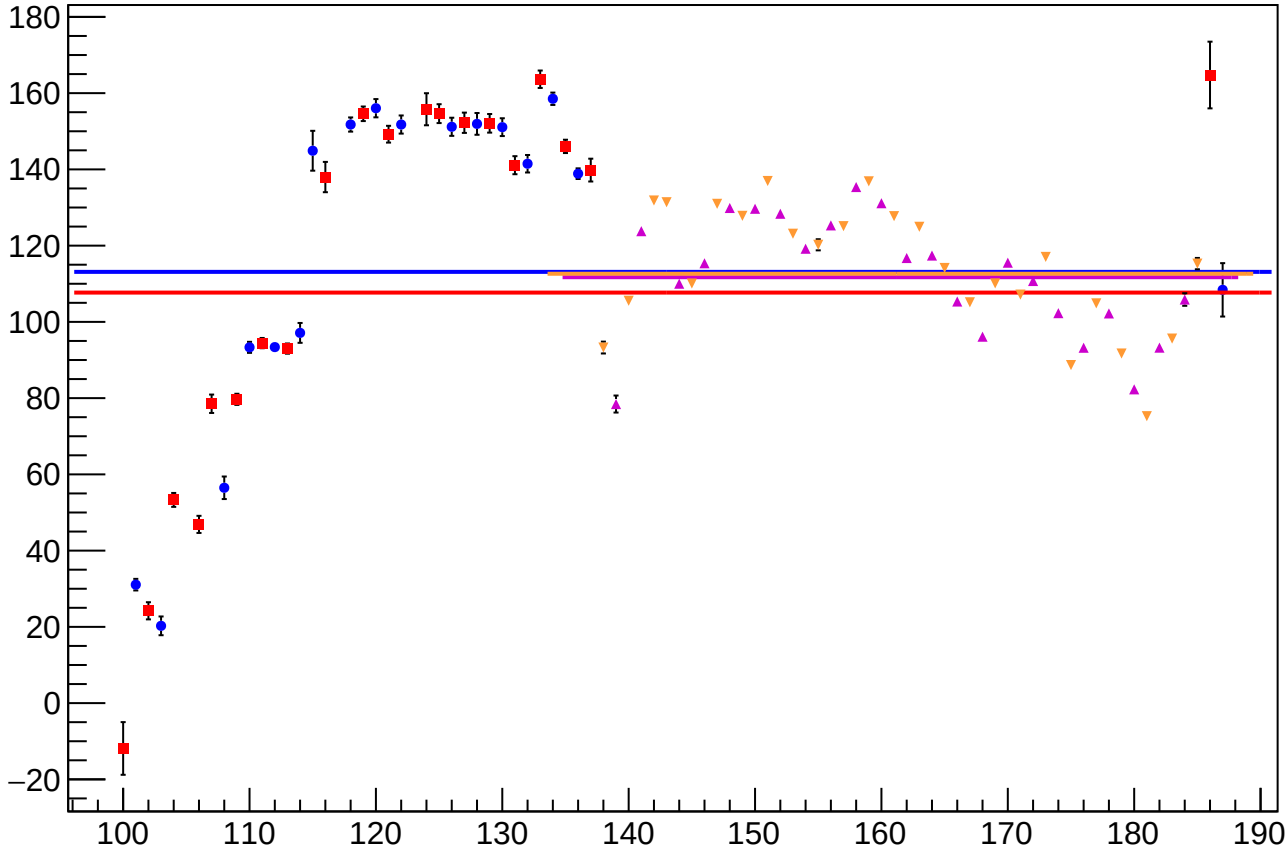
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -62.603+/-0.203 χ^2/NDF: 26048.1/41

All: -62.476+/-0.144 χ^2/NDF: 48896.5/84

- sign -62.346+/-0.205 χ^2/NDF: 22847.6/42

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 113.120+/-0.488 χ^2/NDF: 8204.5/16

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 107.686+/-0.479 χ^2/NDF: 7586.7/19

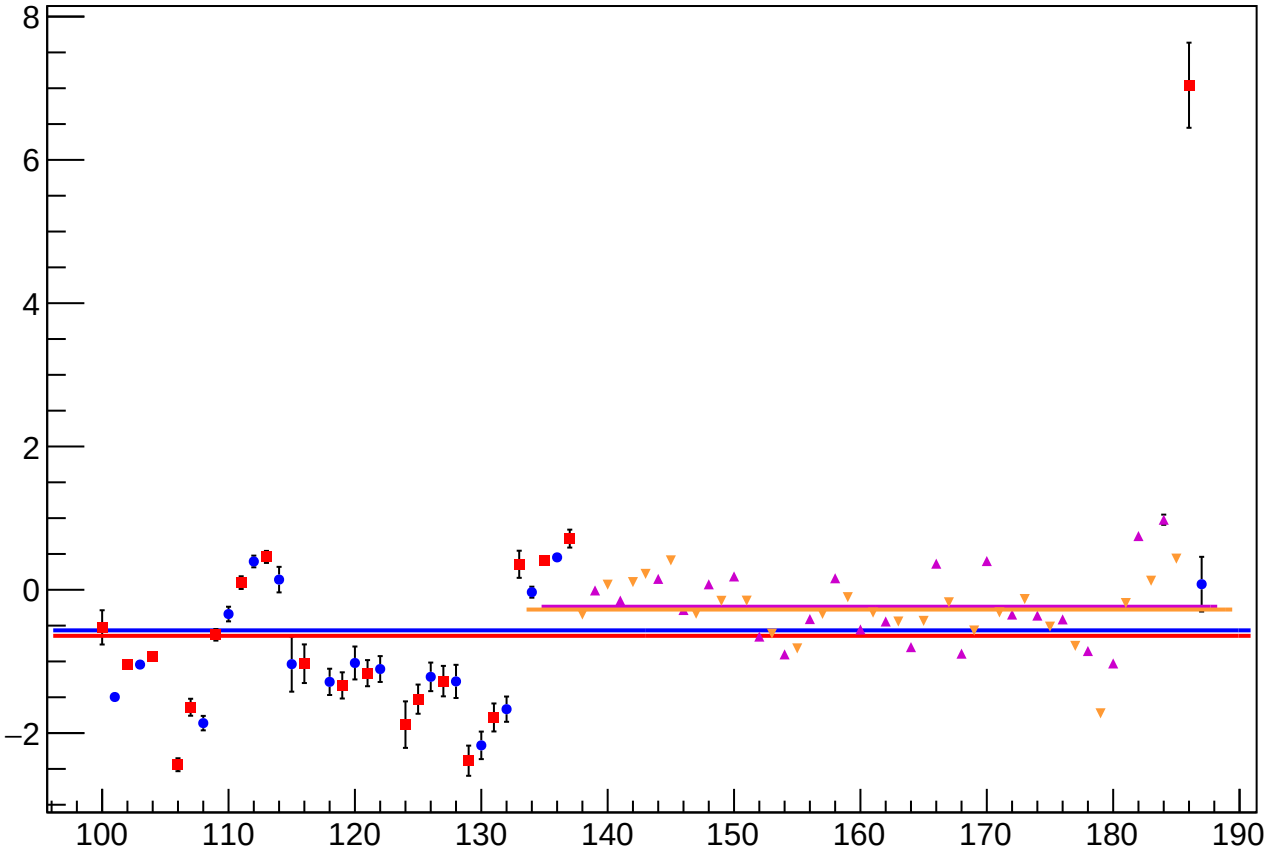
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 112.696+/-0.185 χ^2/NDF: 14913.4/41

All: 111.911+/-0.132 χ^2/NDF: 27493.7/84

- sign 111.089+/-0.189 χ^2/NDF: 12543.4/42

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.566+/-0.026 χ^2/NDF: 1100.3/16

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.643+/-0.025 χ^2/NDF: 1482.8/19

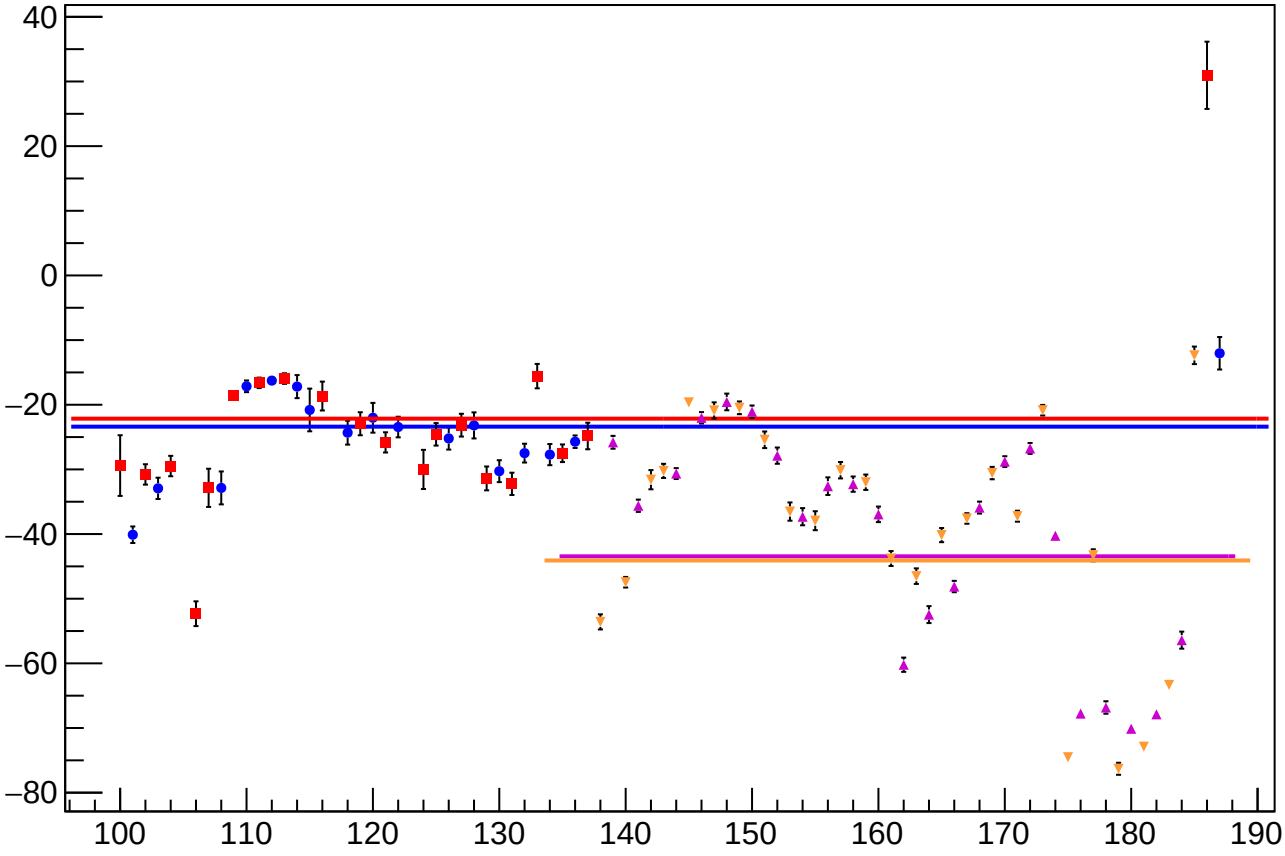
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.307+/-0.008 χ^2/NDF: 3336.2/41

All: -0.296+/-0.006 χ^2/NDF: 8013.4/84

- sign -0.284+/-0.009 χ^2/NDF: 4673.6/42

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -23.389+/-0.345 χ^2/NDF: 427.2/16

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.151+/-0.321 χ^2/NDF: 656.4/19

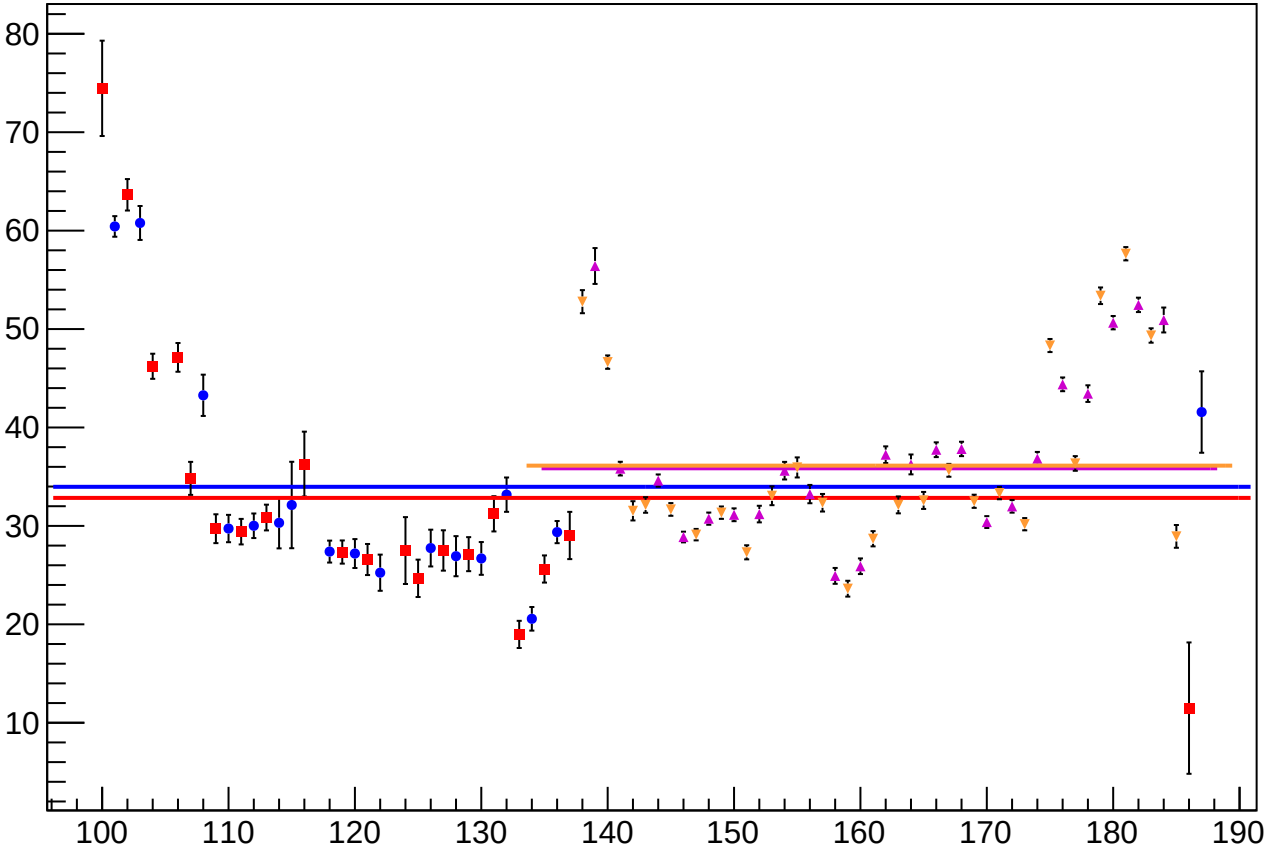
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

\+ sign -39.153+/-0.168 χ^2/NDF: 13508.9/41

All: -38.353+/-0.119 χ^2/NDF: 25210.0/84

\- sign -37.549+/-0.169 χ^2/NDF: 11655.9/42

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 33.972+/-0.374 χ^2/NDF: 1187.8/16

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 32.845+/-0.372 χ^2/NDF: 885.2/19

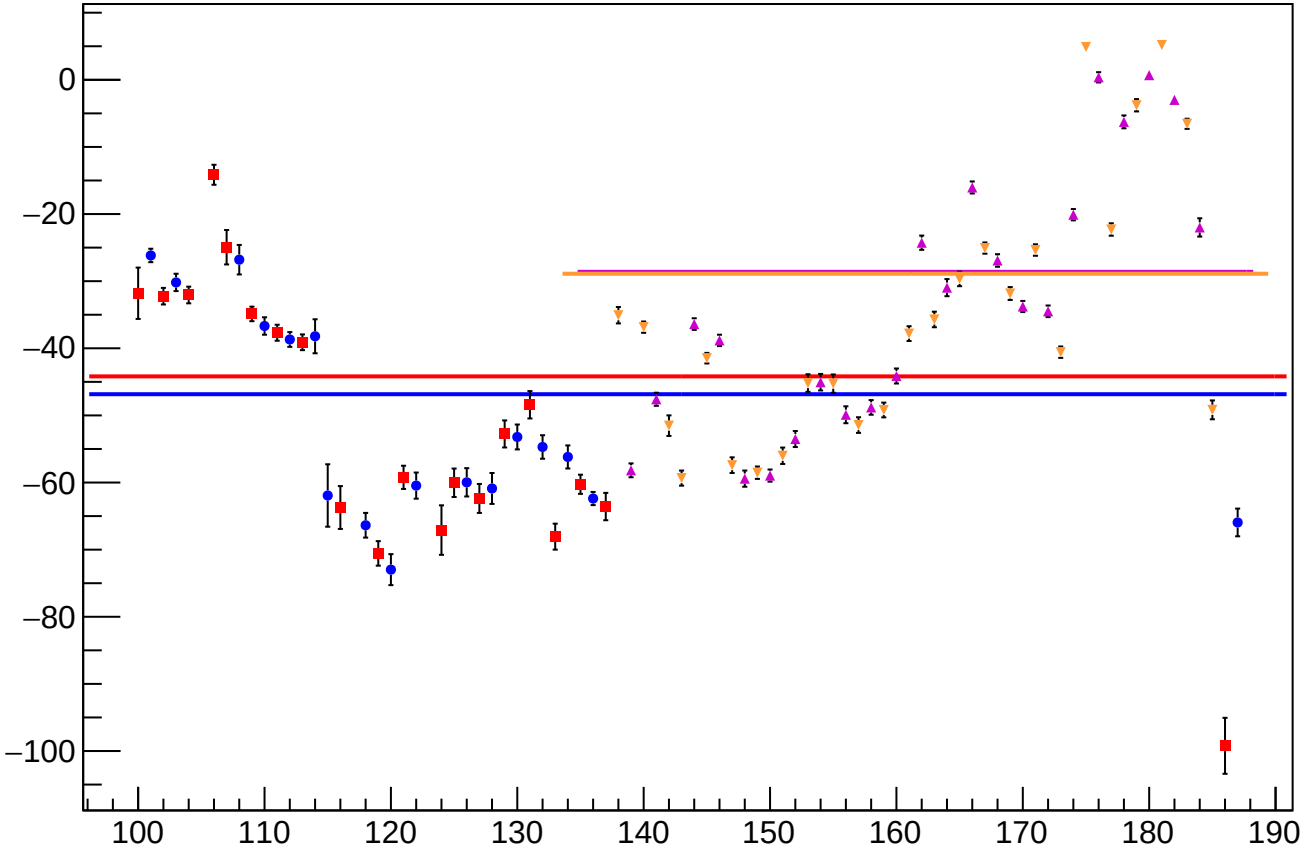
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 35.825+/-0.139 χ^2/NDF: 4774.9/41

All: 35.622+/-0.100 χ^2/NDF: 8013.7/84

- sign 35.408+/-0.143 χ^2/NDF: 3234.4/42

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.841+/-0.383 χ^2/NDF: 1578.3/16

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -44.183+/-0.377 χ^2/NDF: 1839.0/19

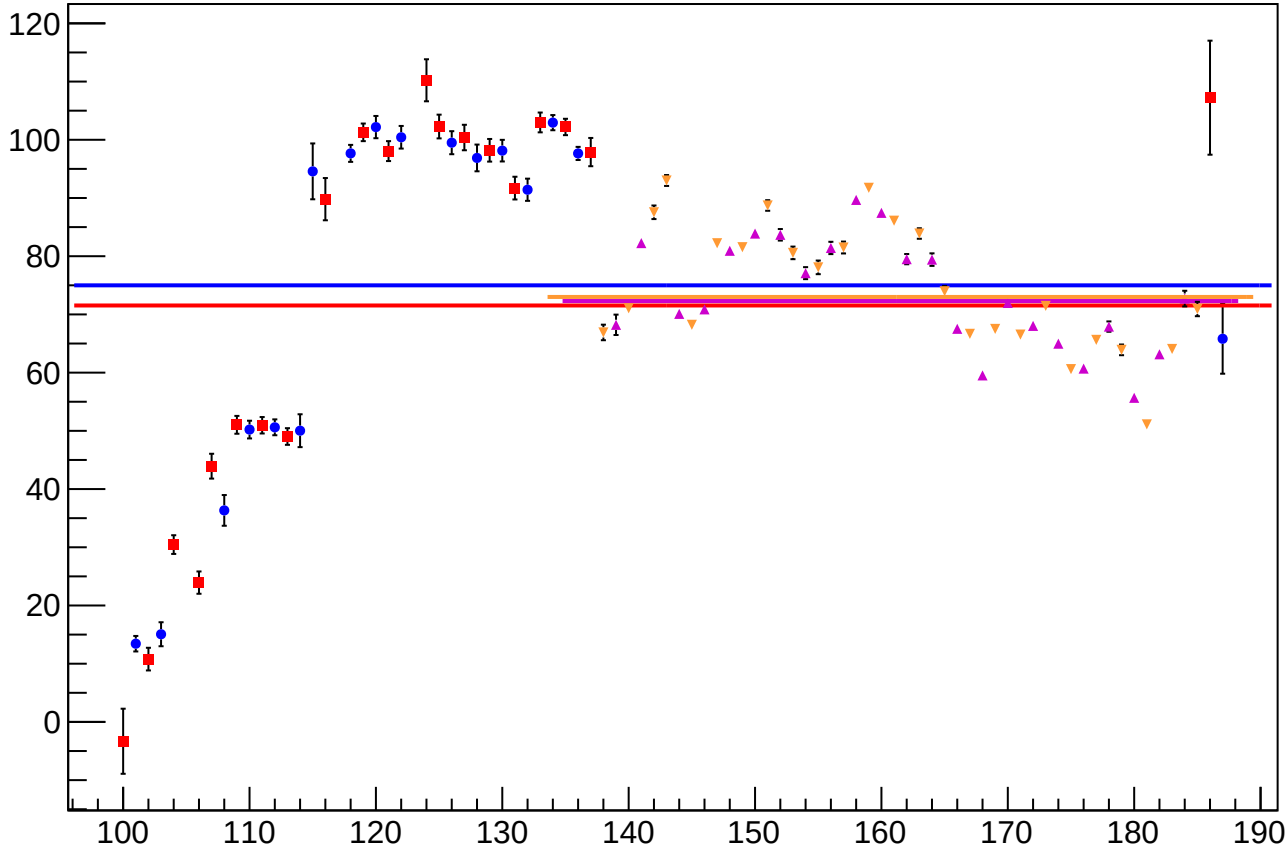
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -32.518+/-0.172 χ^2/NDF: 15128.8/41

All: -32.249+/-0.123 χ^2/NDF: 28327.9/84

\- sign -31.970+/-0.175 χ^2/NDF: 13194.2/42

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 74.996+/-0.426 χ^2/NDF: 5830.6/16

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 71.536+/-0.425 χ^2/NDF: 5641.5/19

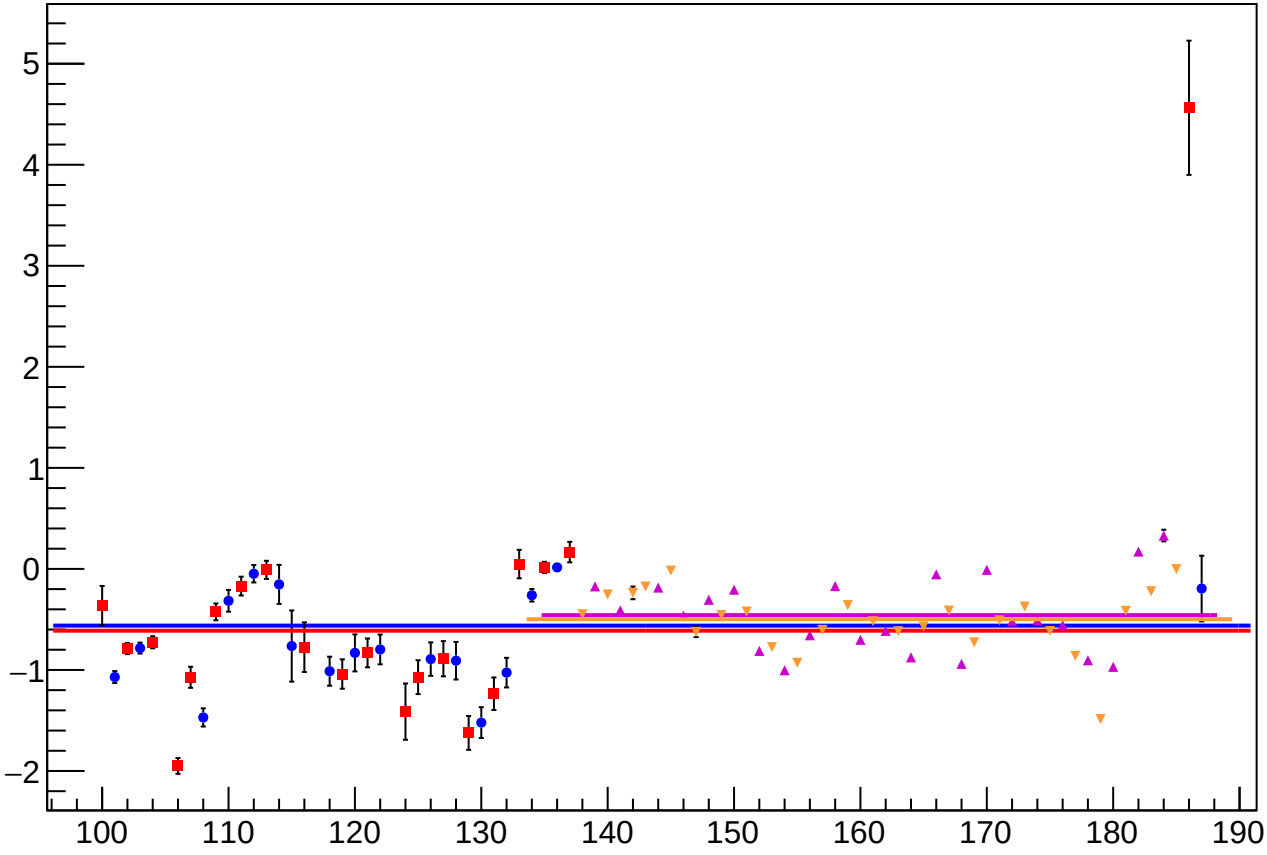
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 73.271+/-0.157 χ^2/NDF: 9902.0/41

All: 72.745+/-0.112 χ^2/NDF: 18481.9/84

- sign 72.193+/-0.161 χ^2/NDF: 8556.8/42

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.561+/-0.022 χ^2/NDF: 494.3/16

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.611+/-0.022 χ^2/NDF: 750.8/19

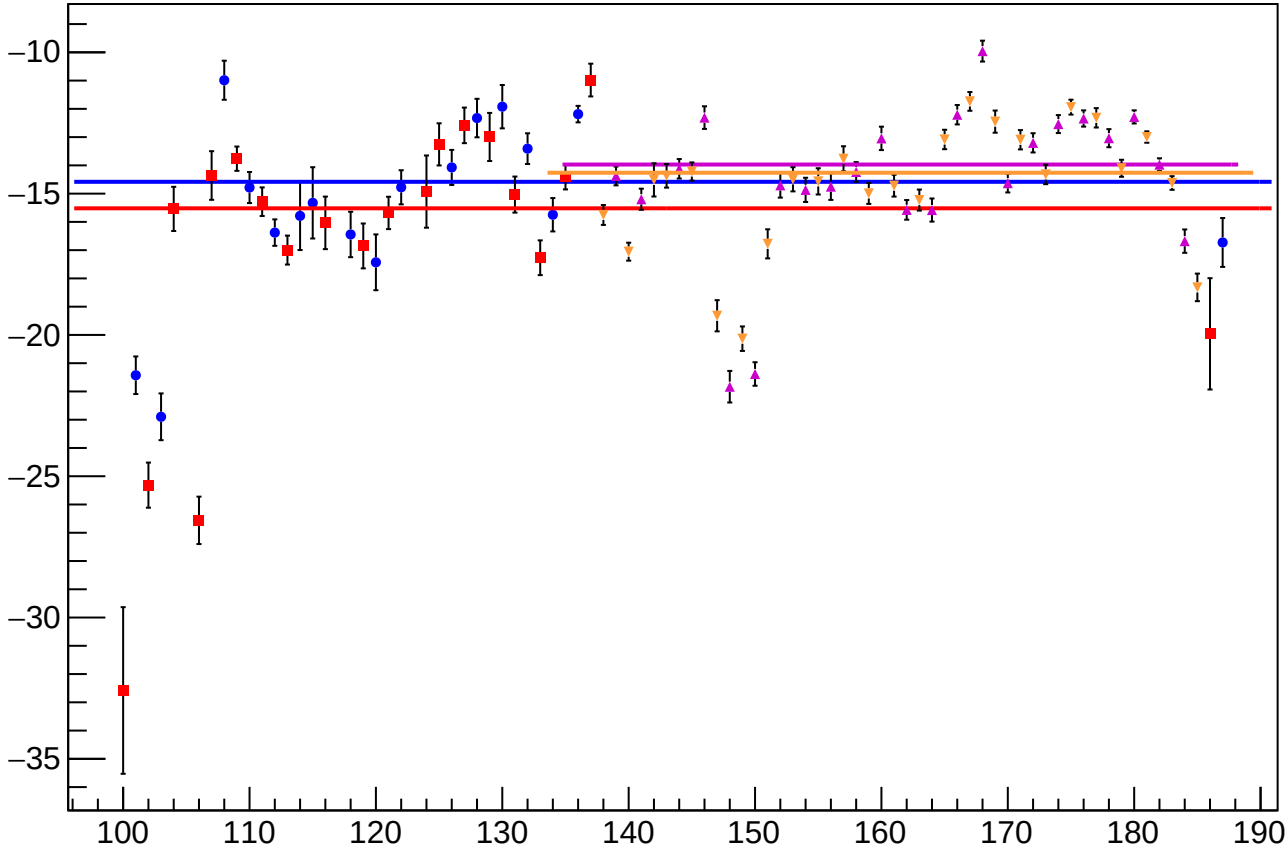
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.505+/-0.007 χ^2/NDF: 1984.4/41

All: -0.490+/-0.005 χ^2/NDF: 4890.4/84

- sign -0.474+/-0.007 χ^2/NDF: 2896.9/42

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -14.582+/-0.147 χ^2/NDF: 369.7/16

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

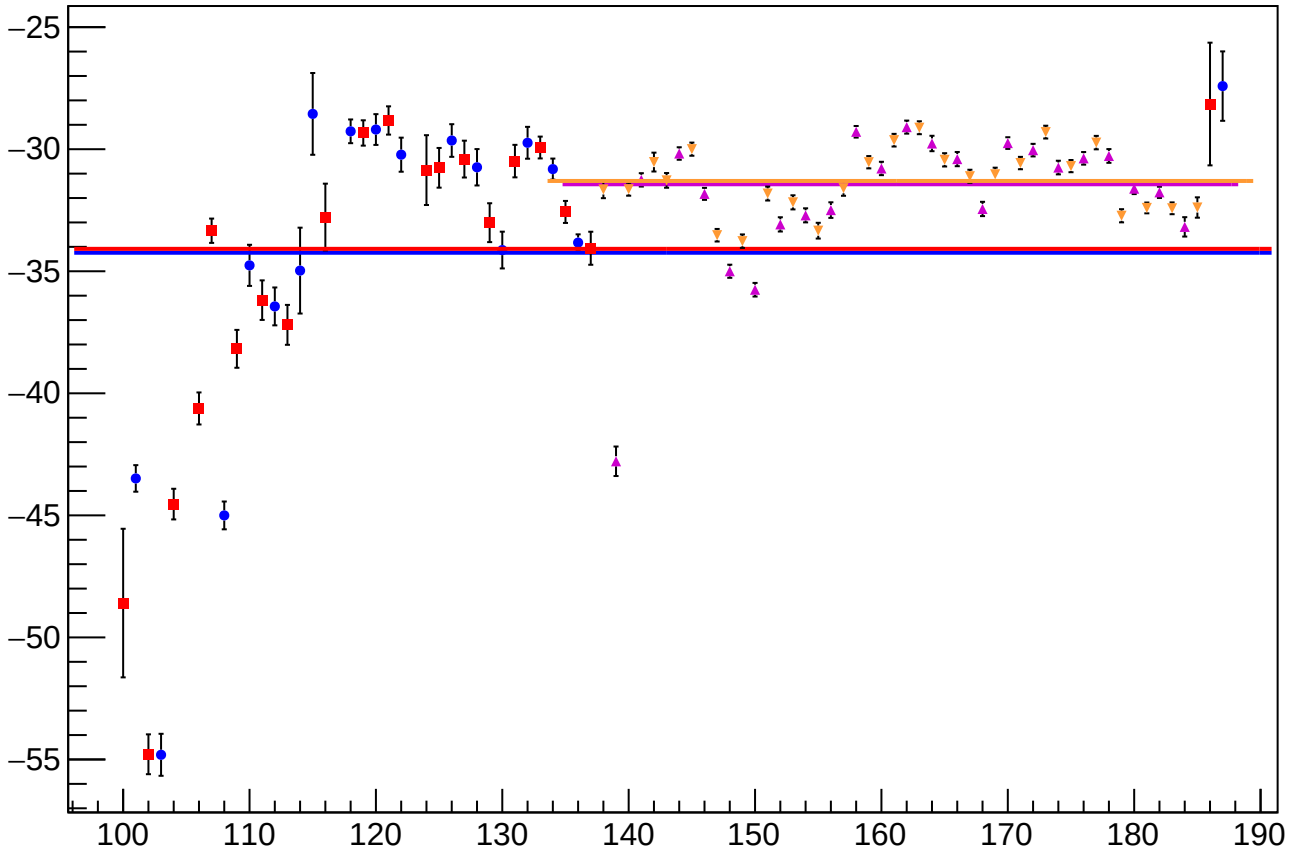
Right Out: -15.520+/-0.150 χ^2/NDF: 509.0/19

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.319+/-0.063 χ^2/NDF: 1097.6/41

All: -14.291+/-0.045 χ^2/NDF: 2602.0/84

- sign -14.261+/-0.065 χ^2/NDF: 1503.9/42



Right In: -34.241+/-0.152 χ^2/NDF: 1643.9/16

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.081+/-0.154 χ^2/NDF: 1440.4/19

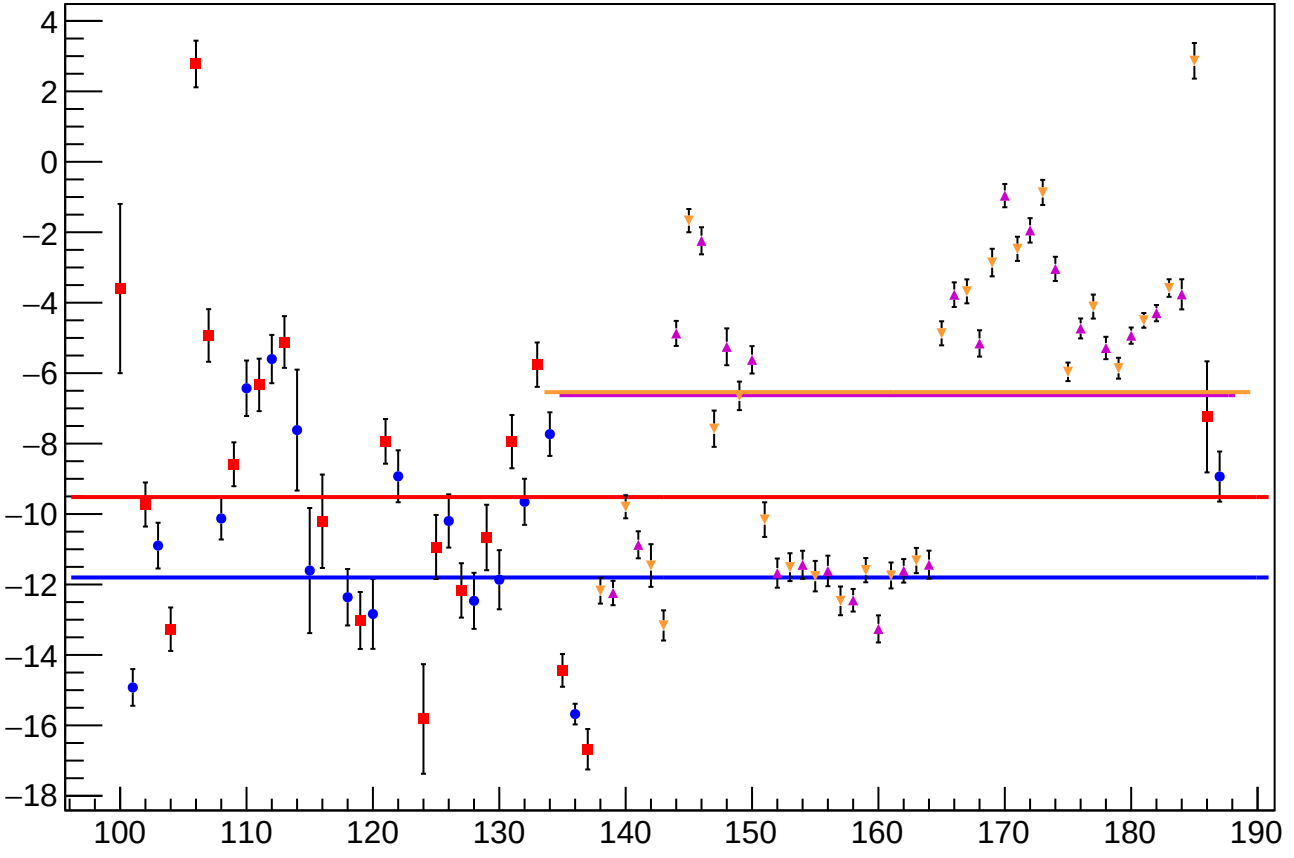
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.642+/-0.052 χ^2/NDF: 2526.2/41

All: -31.698+/-0.037 χ^2/NDF: 5443.4/84

- sign -31.758+/-0.054 χ^2/NDF: 2914.9/42

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -11.801+/-0.156 χ^2/NDF: 447.1/16

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

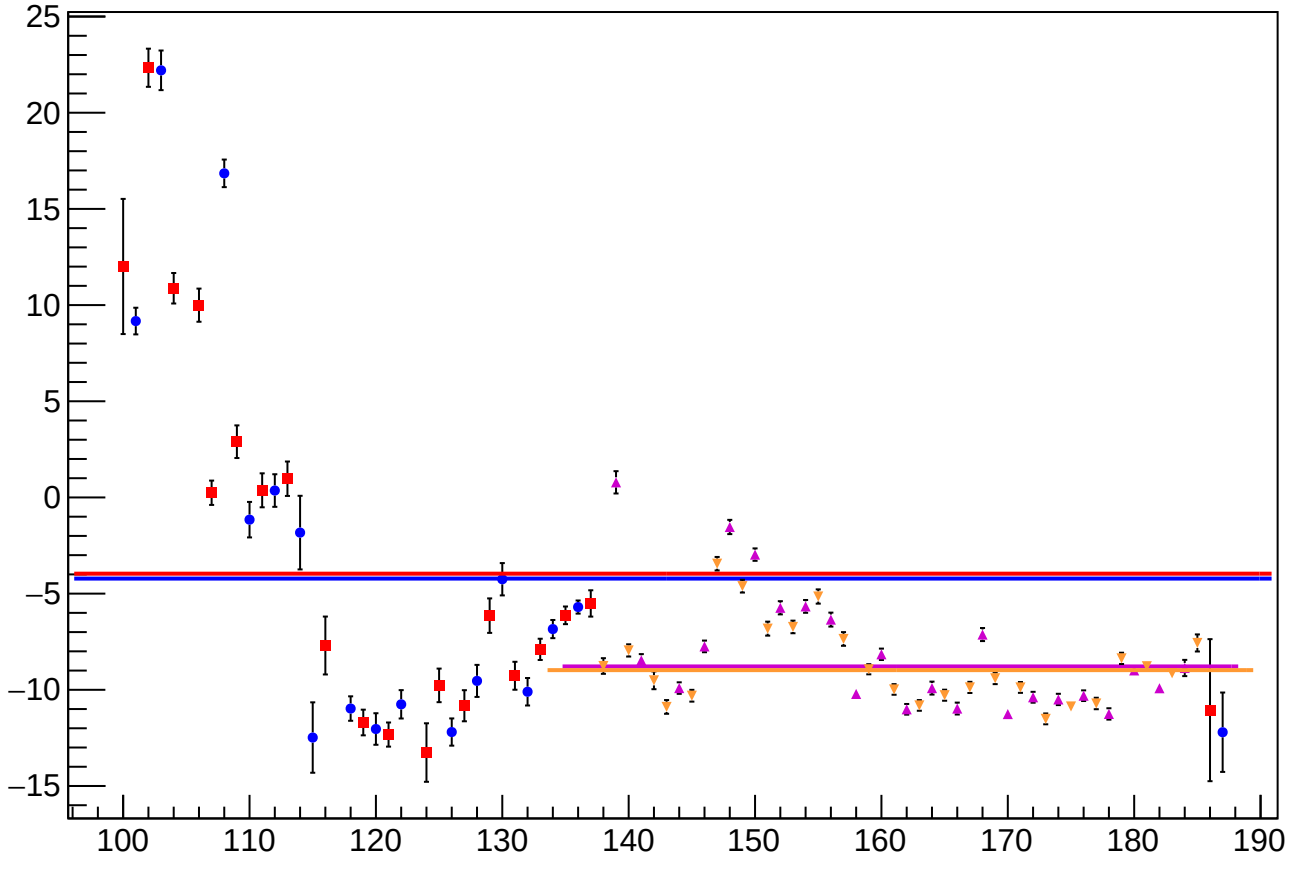
Right Out: -9.519+/-0.164 χ^2/NDF: 849.2/19

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.410+/-0.064 χ^2/NDF: 4636.3/41

All: -7.252+/-0.046 χ^2/NDF: 8667.0/84

- sign -7.085+/-0.065 χ^2/NDF: 4018.1/42



Right In: -4.218+/-0.171 χ^2/NDF: 2540.1/16

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.963+/-0.176 χ^2/NDF: 2113.9/19

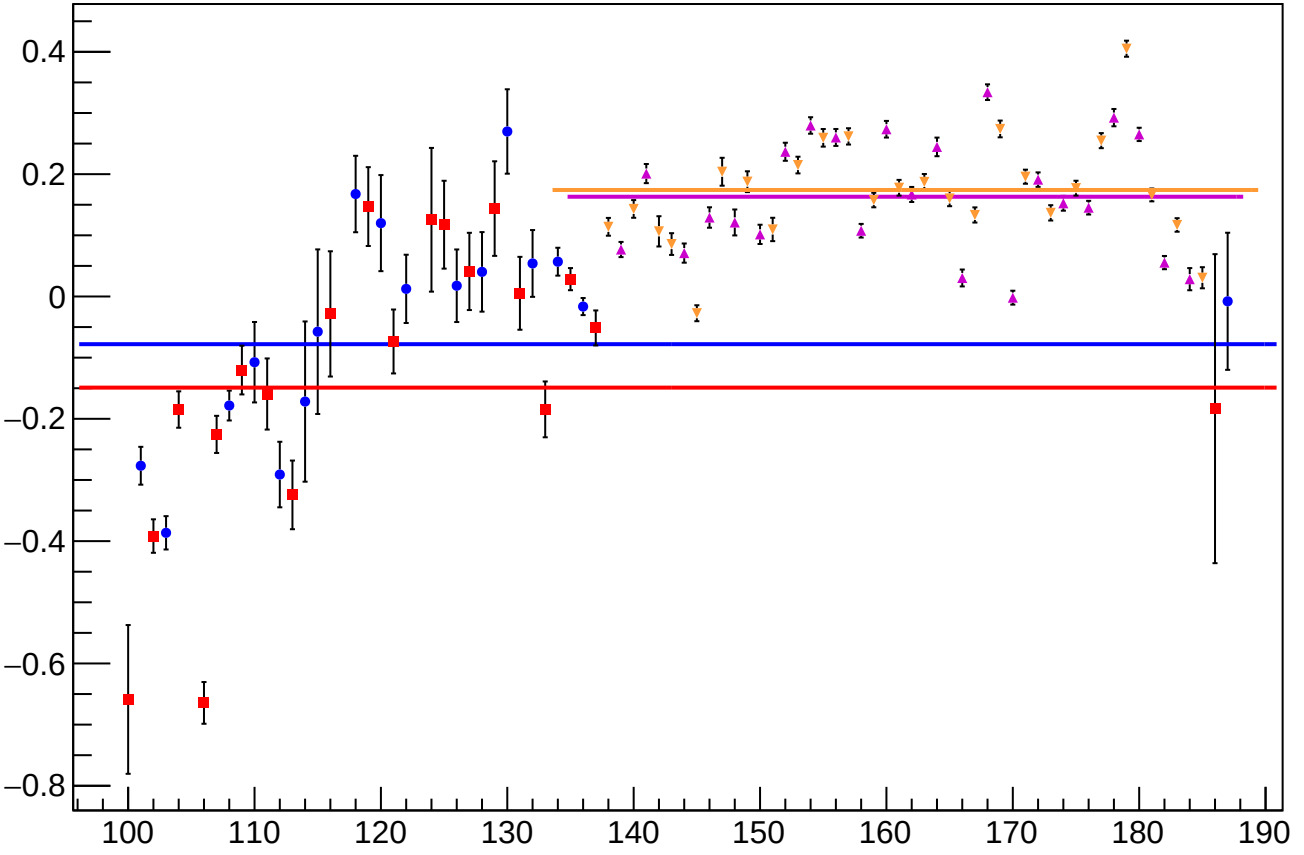
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.435+/-0.058 χ^2/NDF: 4195.6/41

All: -8.336+/-0.042 χ^2/NDF: 8666.3/84

- sign -8.230+/-0.060 χ^2/NDF: 4464.6/42

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.078+/-0.009 χ^2/NDF: 319.2/16

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/19

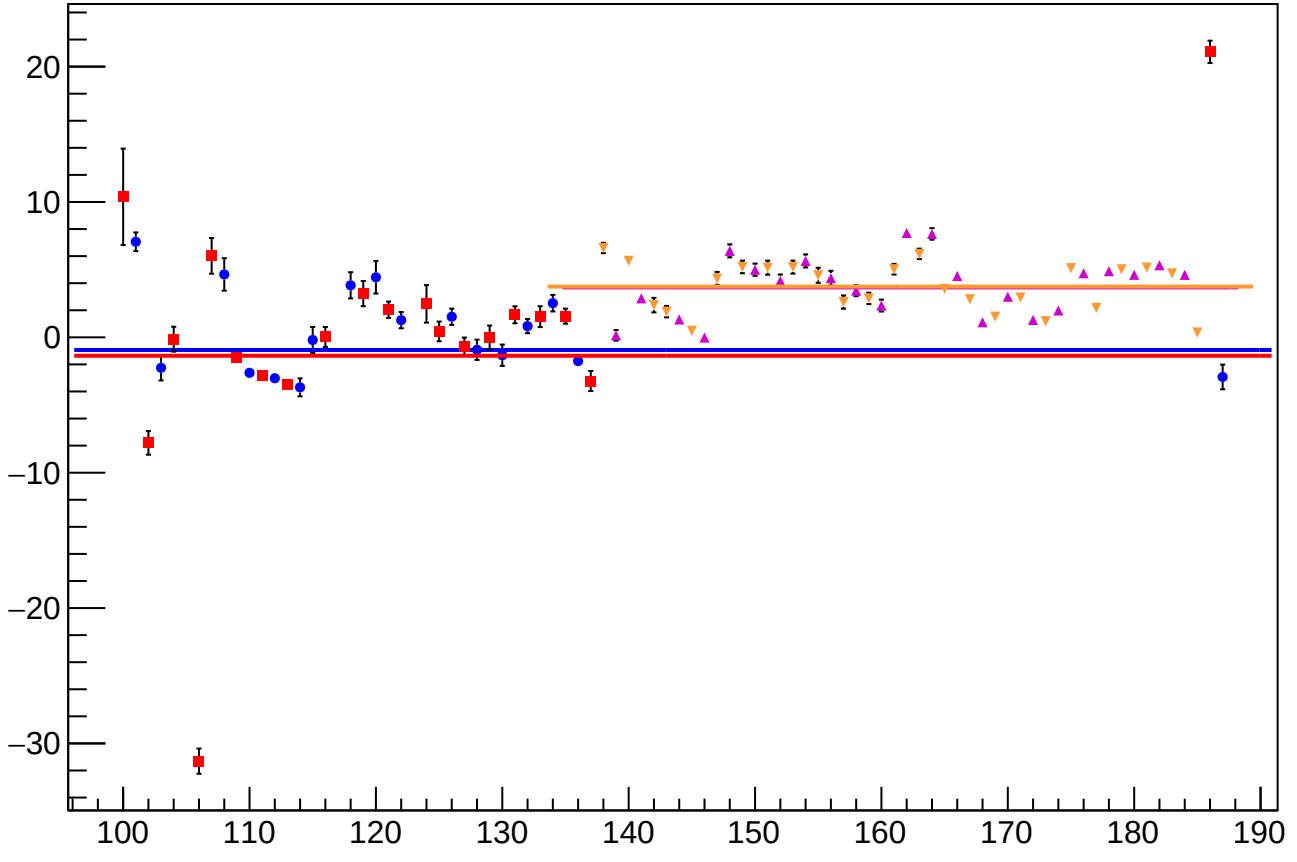
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.151+/-0.003 χ^2/NDF: 2032.5/41

All: 0.144+/-0.002 χ^2/NDF: 4850.9/84

- sign 0.136+/-0.003 χ^2/NDF: 2803.2/42

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: -0.934+/-0.135 χ^2/NDF: 385.1/16

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

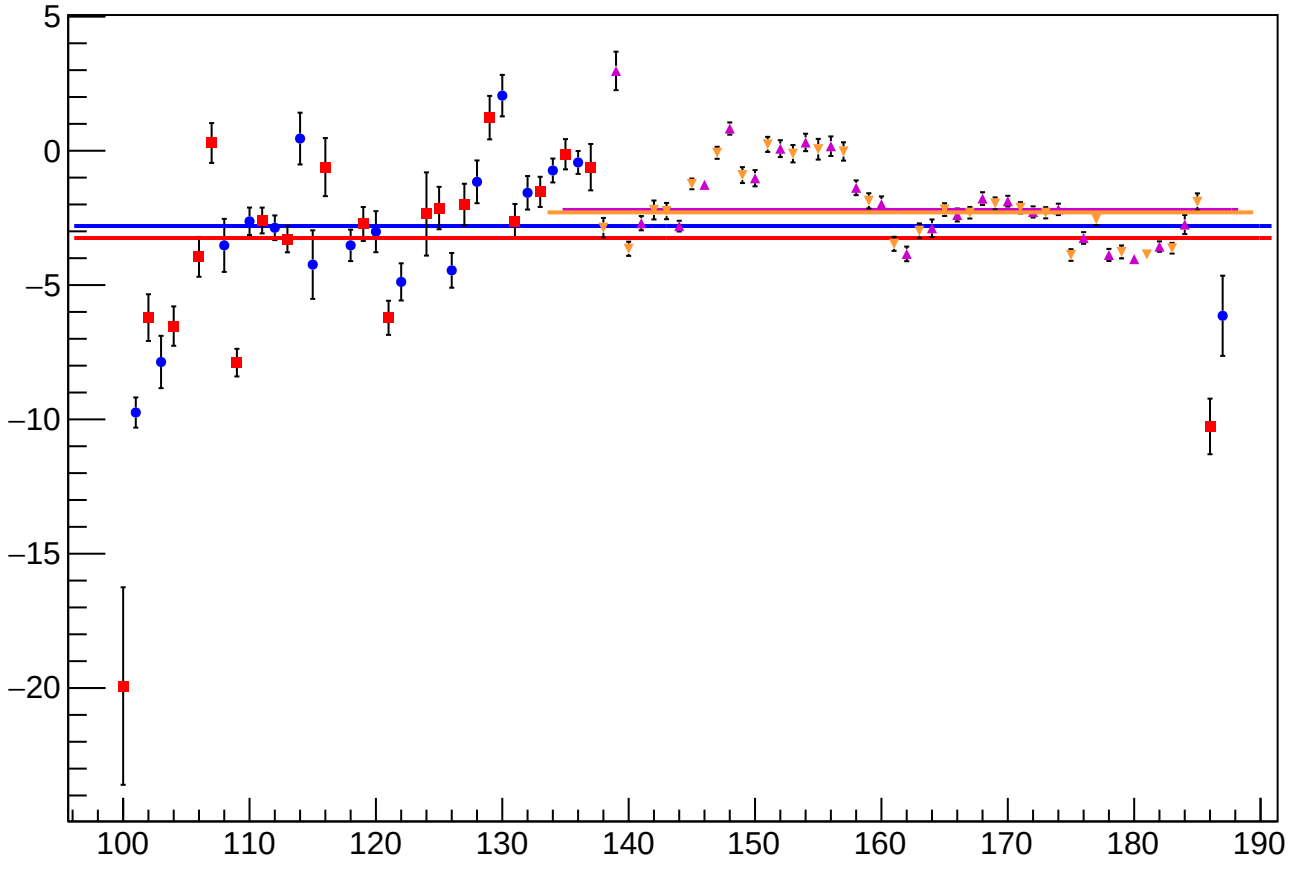
Right Out: -1.360+/-0.127 χ^2/NDF: 2089.3/19

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 2.936+/-0.056 χ^2/NDF: 2188.1/41

All: 2.803+/-0.040 χ^2/NDF: 6505.4/84

- sign 2.666+/-0.057 χ^2/NDF: 4306.0/42



Right In: -2.802+/-0.155 χ^2/NDF: 315.1/16

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -3.249+/-0.156 χ^2/NDF: 319.5/19

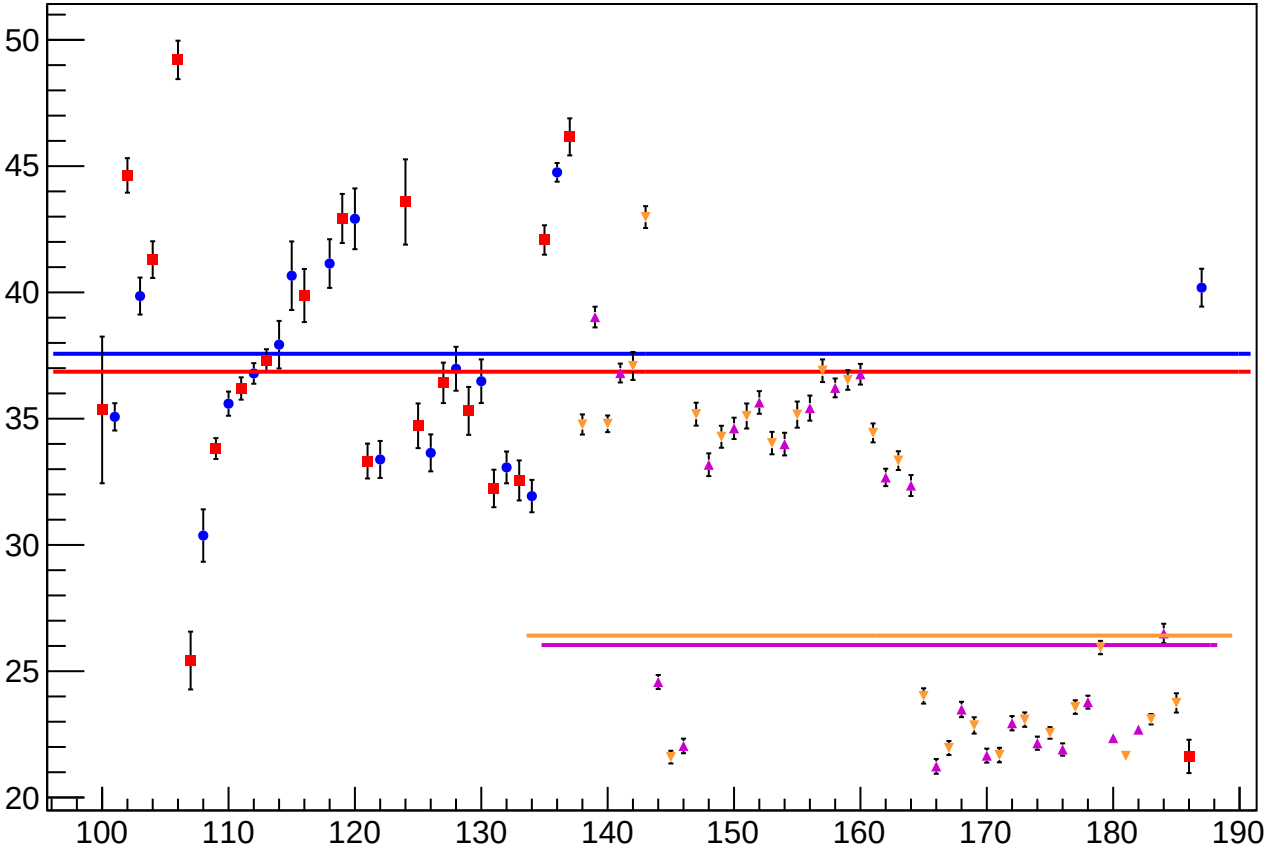
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.341+/-0.047 χ^2/NDF: 956.3/41

All: -2.323+/-0.034 χ^2/NDF: 2041.4/84

- sign -2.304+/-0.048 χ^2/NDF: 1084.8/42

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.569+/-0.157 χ^2/NDF: 719.7/16

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.860+/-0.155 χ^2/NDF: 1527.7/19

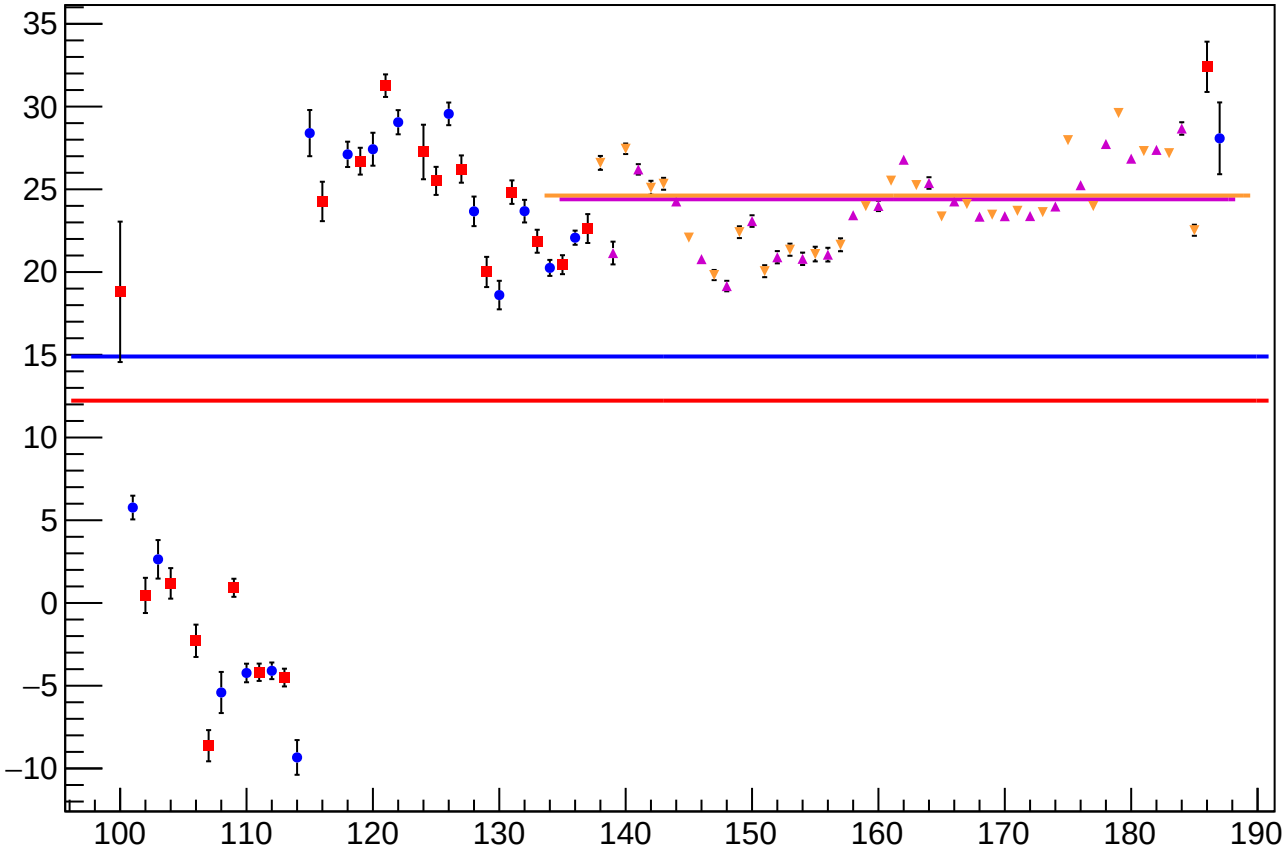
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.925+/-0.058 χ^2/NDF: 14299.1/41

All: 27.770+/-0.041 χ^2/NDF: 27855.1/84

- sign 27.608+/-0.059 χ^2/NDF: 13541.2/42

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.896+/-0.173 χ^2/NDF: 5723.5/16

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

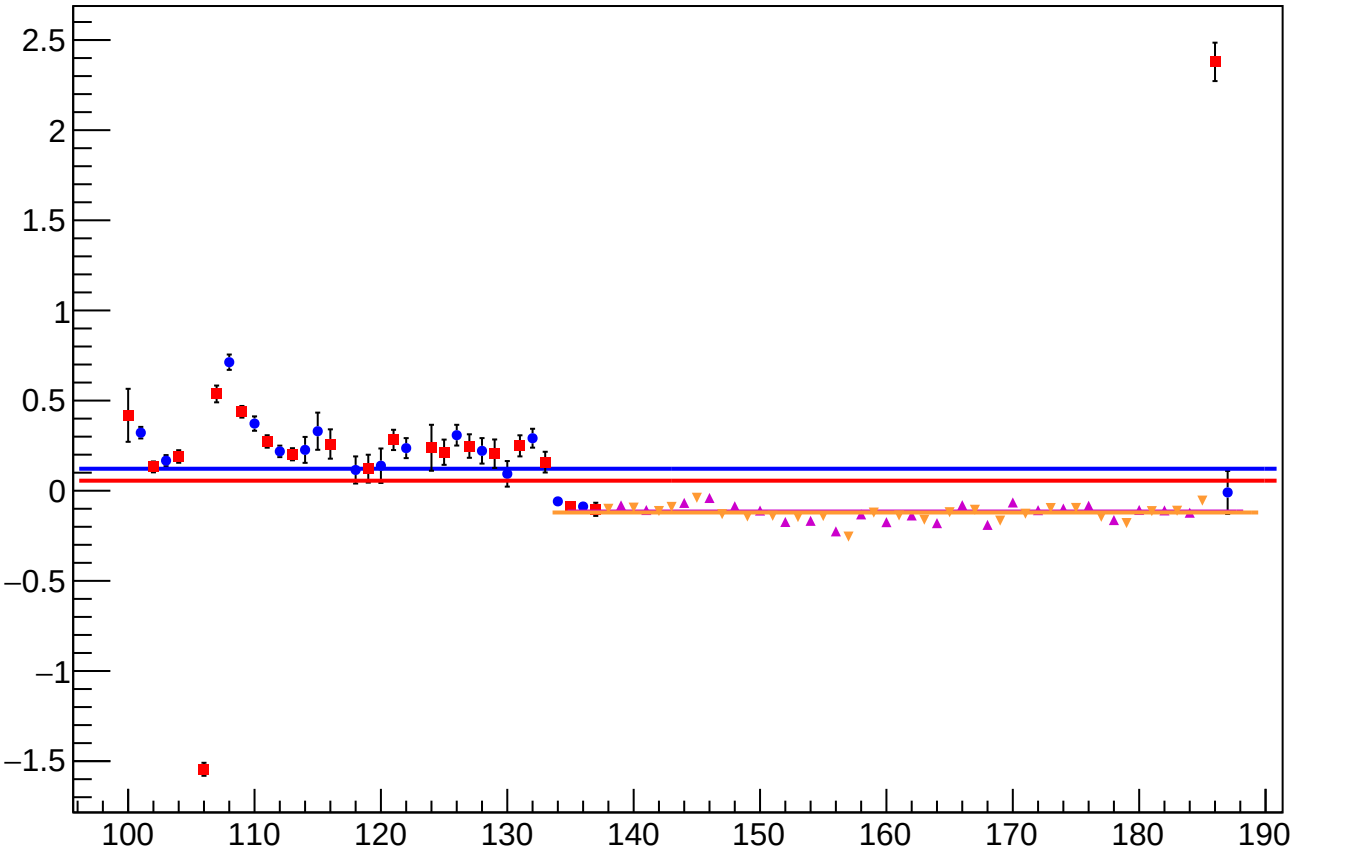
Right Out: 12.228+/-0.176 χ^2/NDF: 6284.1/19

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.729+/-0.053 χ^2/NDF: 10534.3/41

All: 23.499+/-0.038 χ^2/NDF: 22924.2/84

- sign 23.258+/-0.054 χ^2/NDF: 12350.6/42



Right In: 0.122+/-0.009 χ^2/NDF: 521.2/16

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

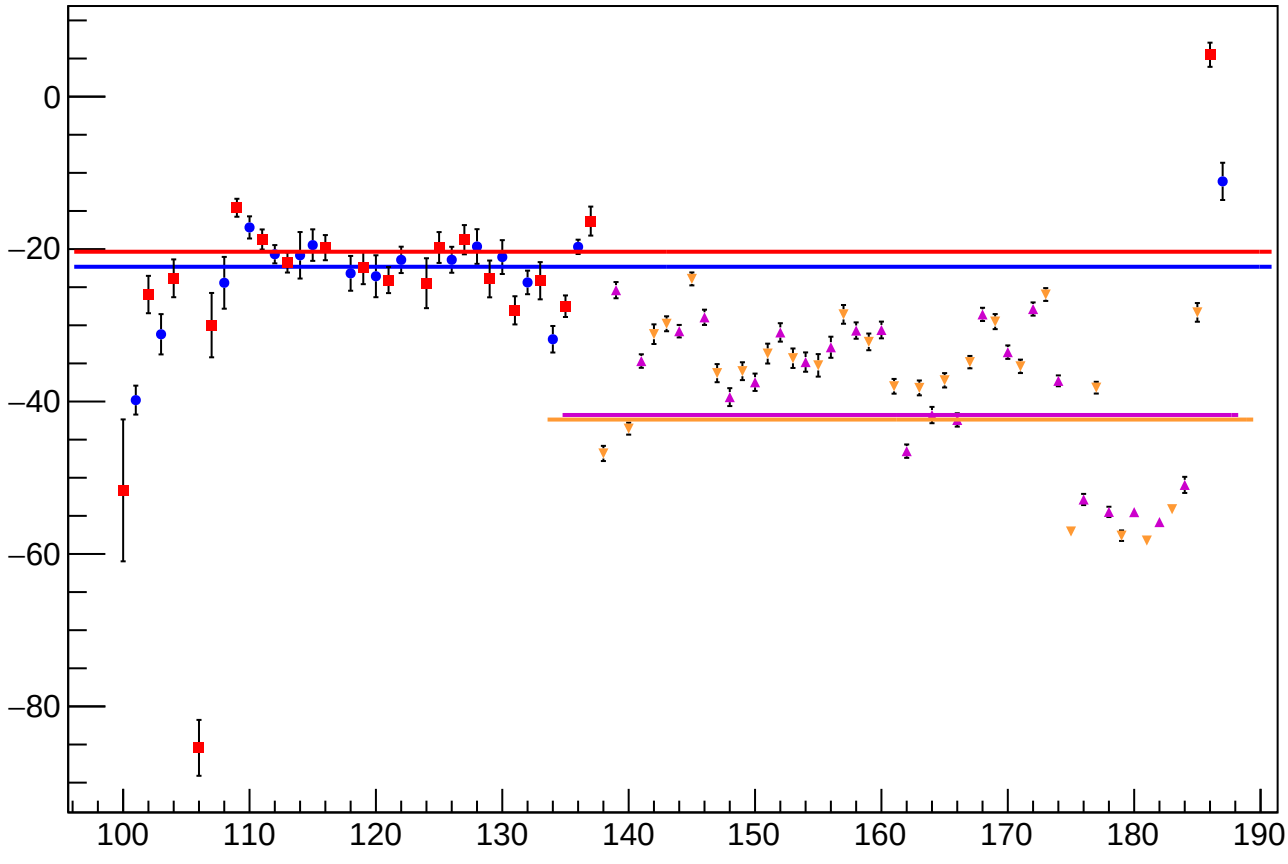
Right Out: 0.056+/-0.010 χ^2/NDF: 2894.3/19

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

\+ sign -0.105+/-0.002 χ^2/NDF: 1410.5/41

All: -0.105+/-0.002 χ^2/NDF: 4884.9/84

\- sign -0.105+/-0.002 χ^2/NDF: 3474.4/42



Right In: -22.320+/-0.428 χ^2/NDF: 176.2/16

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

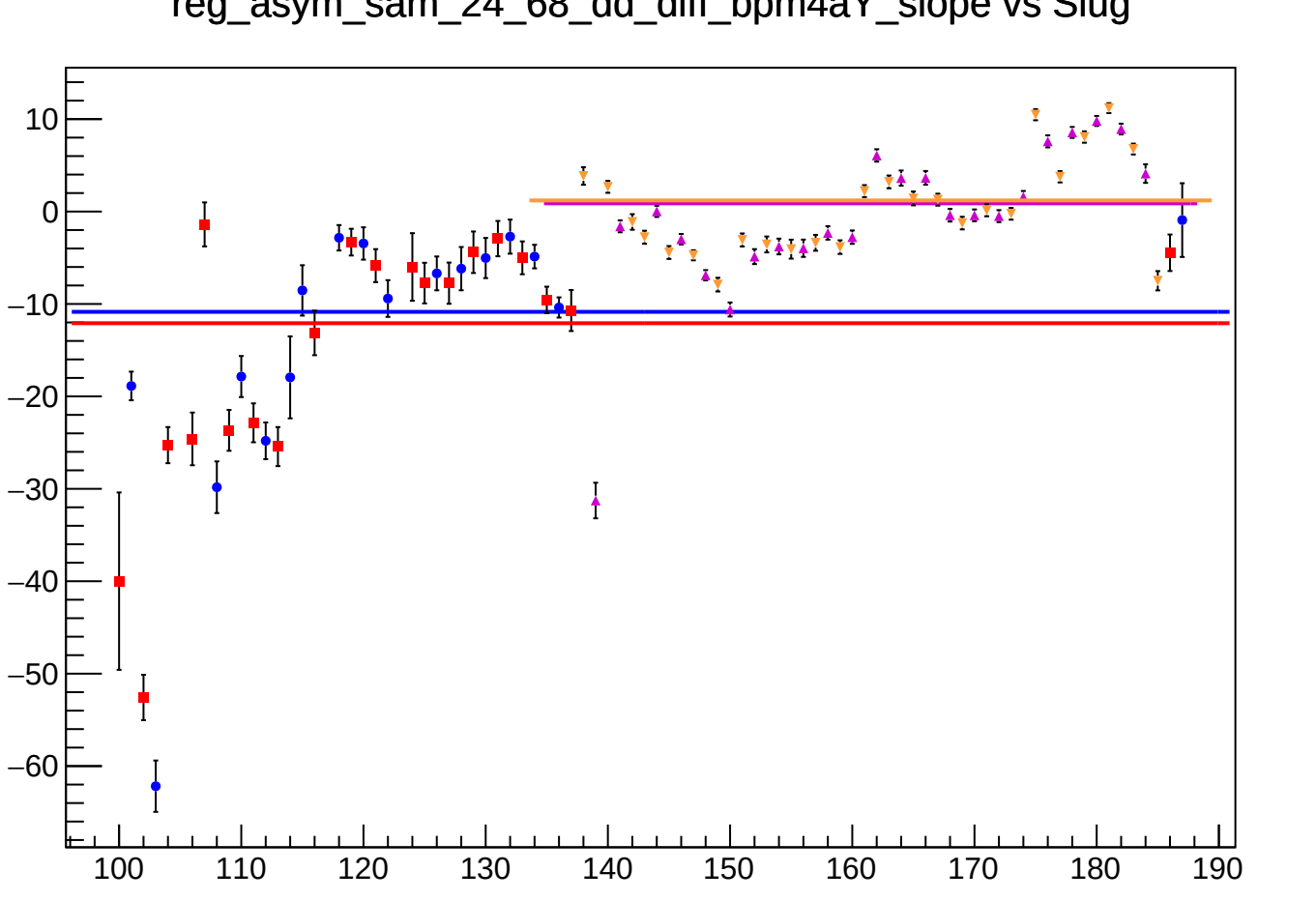
Right Out: -20.348+/-0.420 χ^2/NDF: 691.1/19

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.487+/-0.162 χ^2/NDF: 6533.6/41

All: -38.950+/-0.116 χ^2/NDF: 12899.4/84

- sign -38.383+/-0.167 χ^2/NDF: 6343.3/42



Right In: -10.850+/-0.450 χ^2/NDF: 593.5/16

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.081+/-0.467 χ^2/NDF: 588.1/19

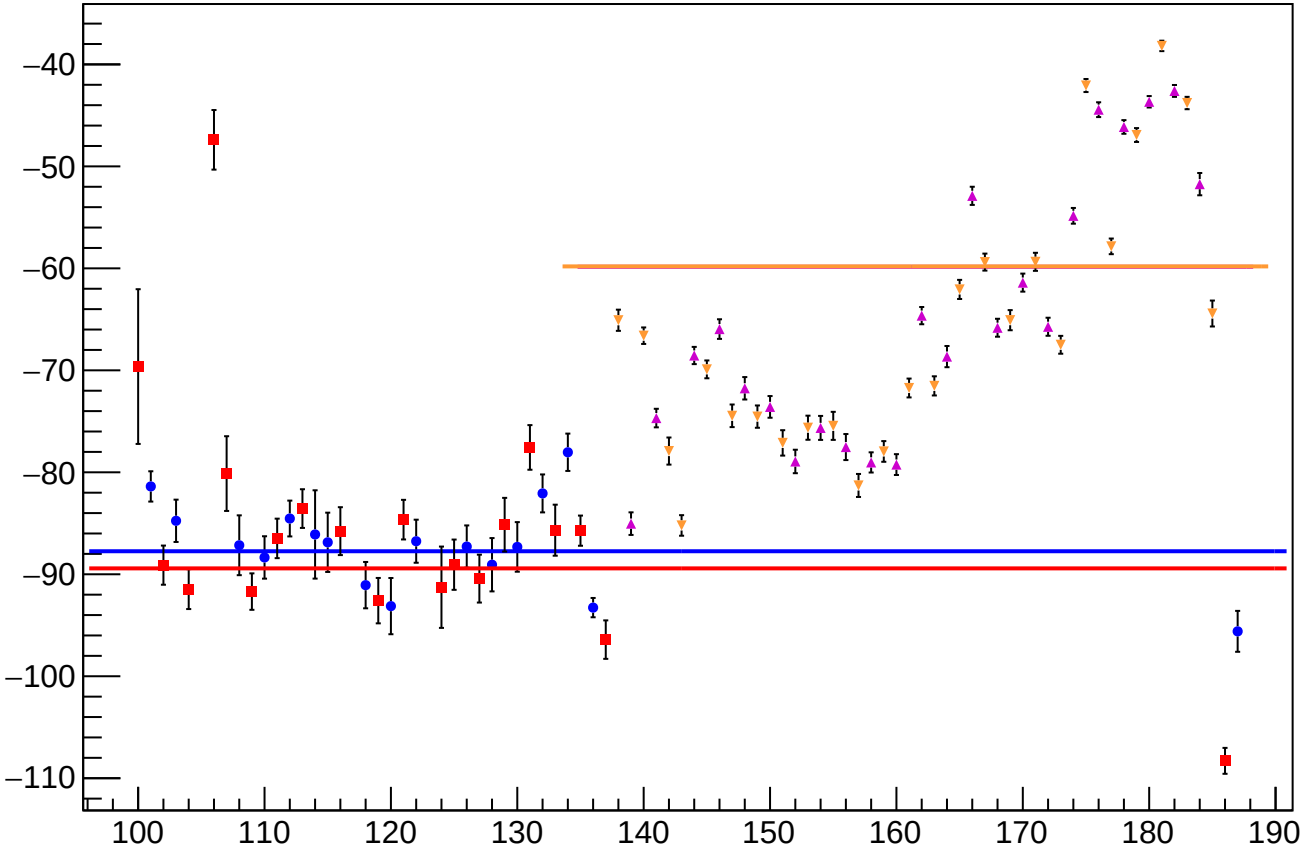
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign 0.167+/-0.132 χ^2/NDF: 2711.6/41

All: -0.020+/-0.095 χ^2/NDF: 5771.6/84

- sign -0.220+/-0.137 χ^2/NDF: 3055.9/42

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -87.741+/-0.467 χ^2/NDF: 117.4/16

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

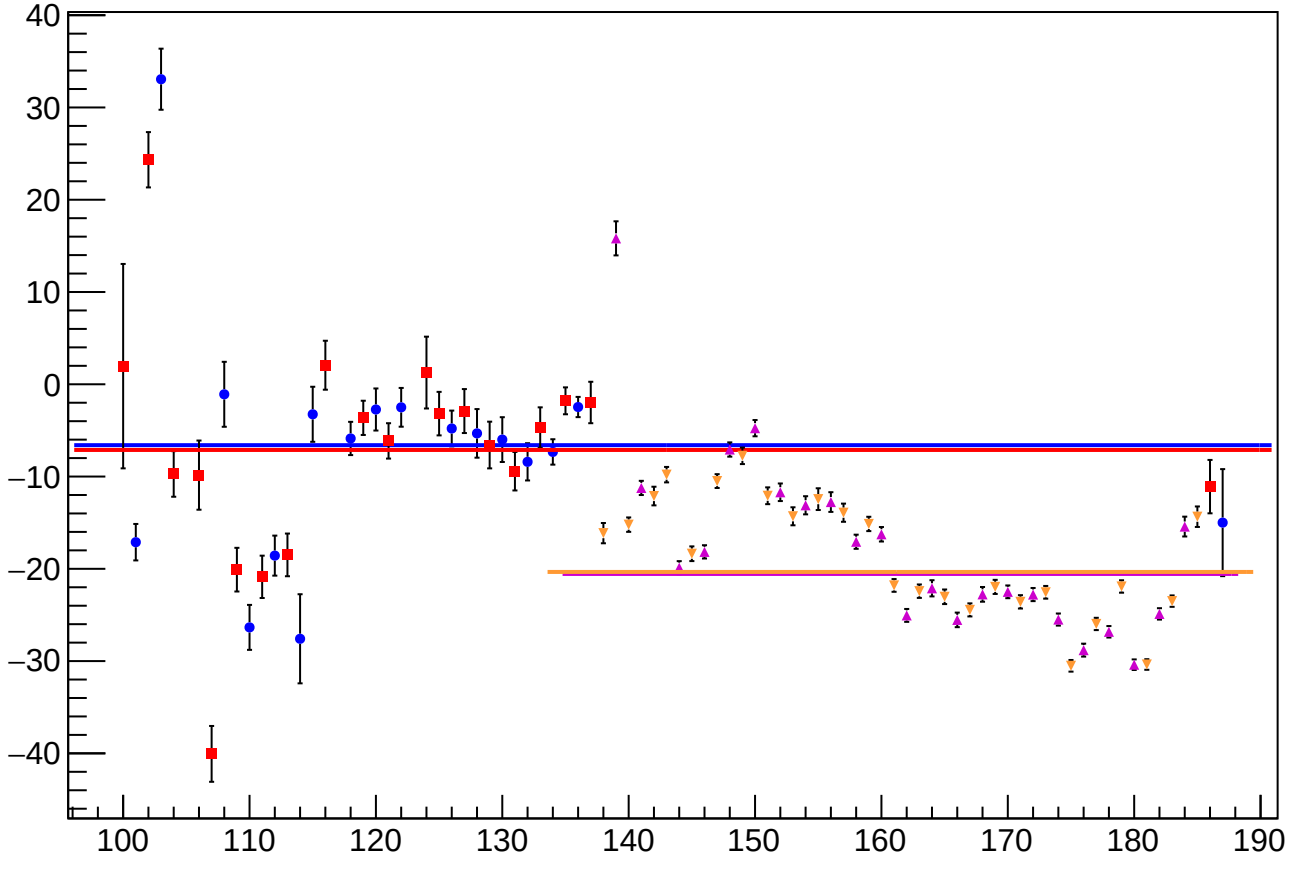
Right Out: -89.423+/-0.470 χ^2/NDF: 520.4/19

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.254+/-0.164 χ^2/NDF: 9893.9/41

All: -63.455+/-0.118 χ^2/NDF: 19399.1/84

- sign -63.668+/-0.169 χ^2/NDF: 9502.2/42



Right In: -6.600+/-0.506 χ^2/NDF: 316.1/16

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -7.118+/-0.532 χ^2/NDF: 370.3/19

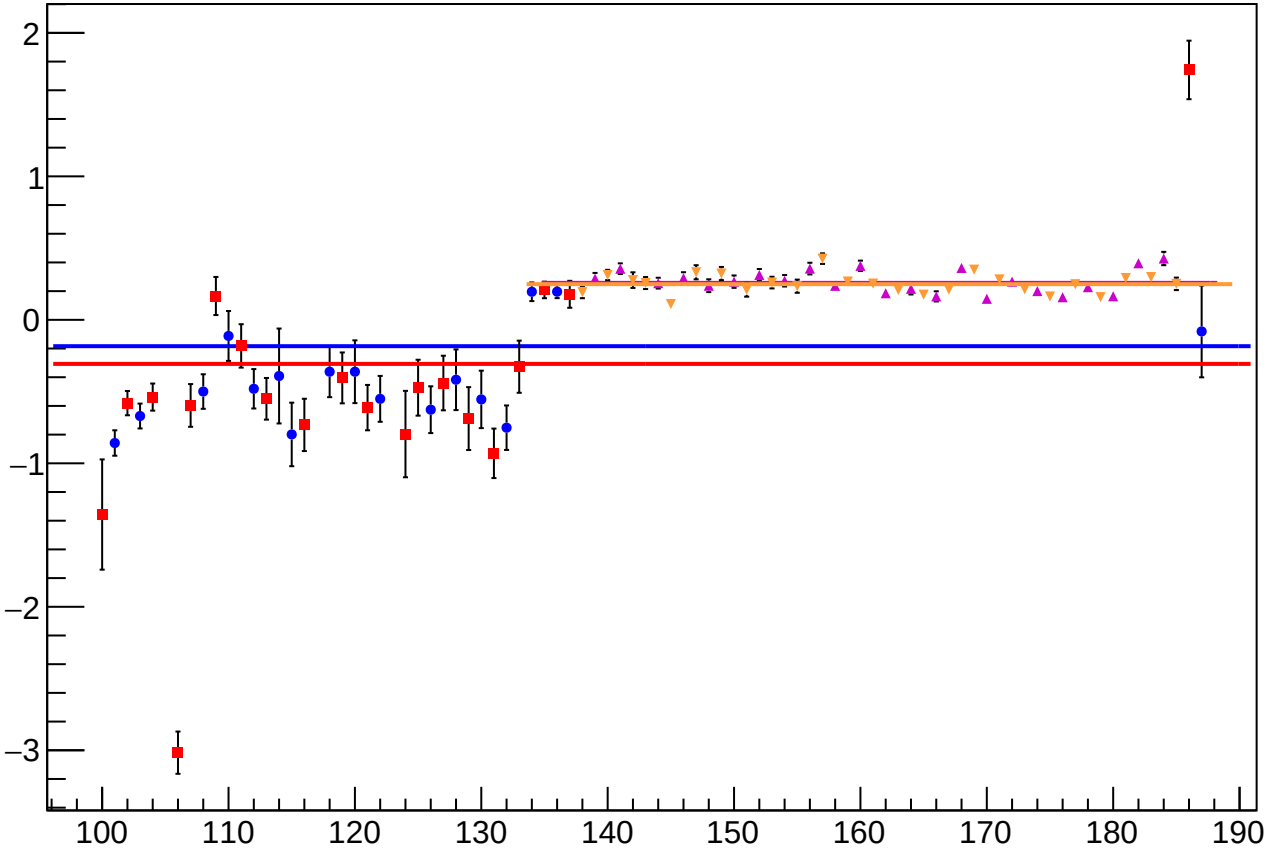
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

\+ sign -19.166+/-0.148 χ^2/NDF: 2691.6/41

All: -19.302+/-0.106 χ^2/NDF: 5841.8/84

\- sign -19.448+/-0.153 χ^2/NDF: 3148.5/42

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.184+/-0.027 χ^2/NDF: 247.4/16

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.307+/-0.029 χ^2/NDF: 619.5/19

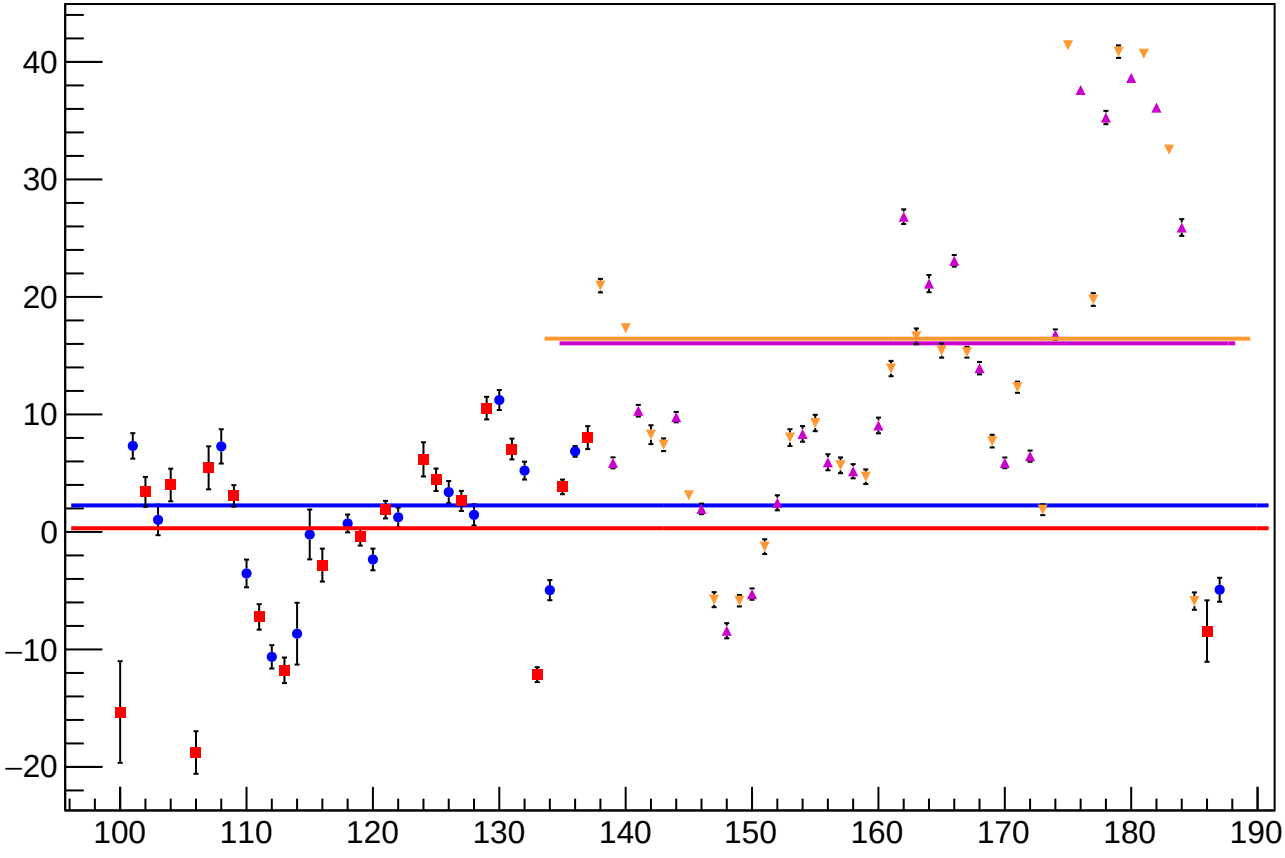
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.221+/-0.007 χ^2/NDF: 586.5/41

All: 0.223+/-0.005 χ^2/NDF: 1697.6/84

- sign 0.226+/-0.007 χ^2/NDF: 1110.9/42

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.257+/-0.219 χ^2/NDF: 625.0/16

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

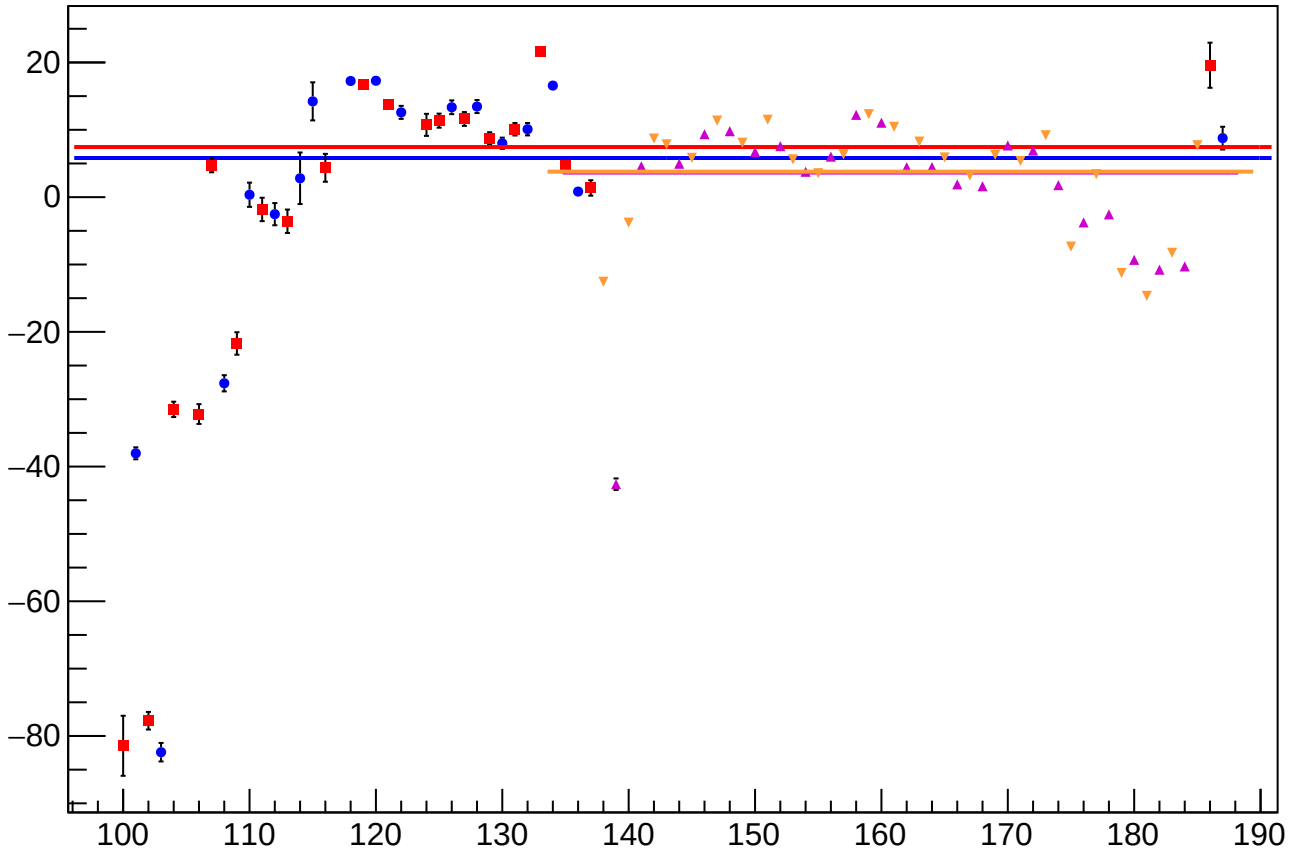
Right Out: 0.314+/-0.221 χ^2/NDF: 1042.1/19

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 13.835+/-0.094 χ^2/NDF: 25454.8/41

All: 13.459+/-0.067 χ^2/NDF: 48246.0/84

- sign 13.062+/-0.097 χ^2/NDF: 22758.3/42



Right In: 5.813+/-0.208 χ^2/NDF: 8936.9/16

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: 7.441+/-0.208 χ^2/NDF: 8403.8/19

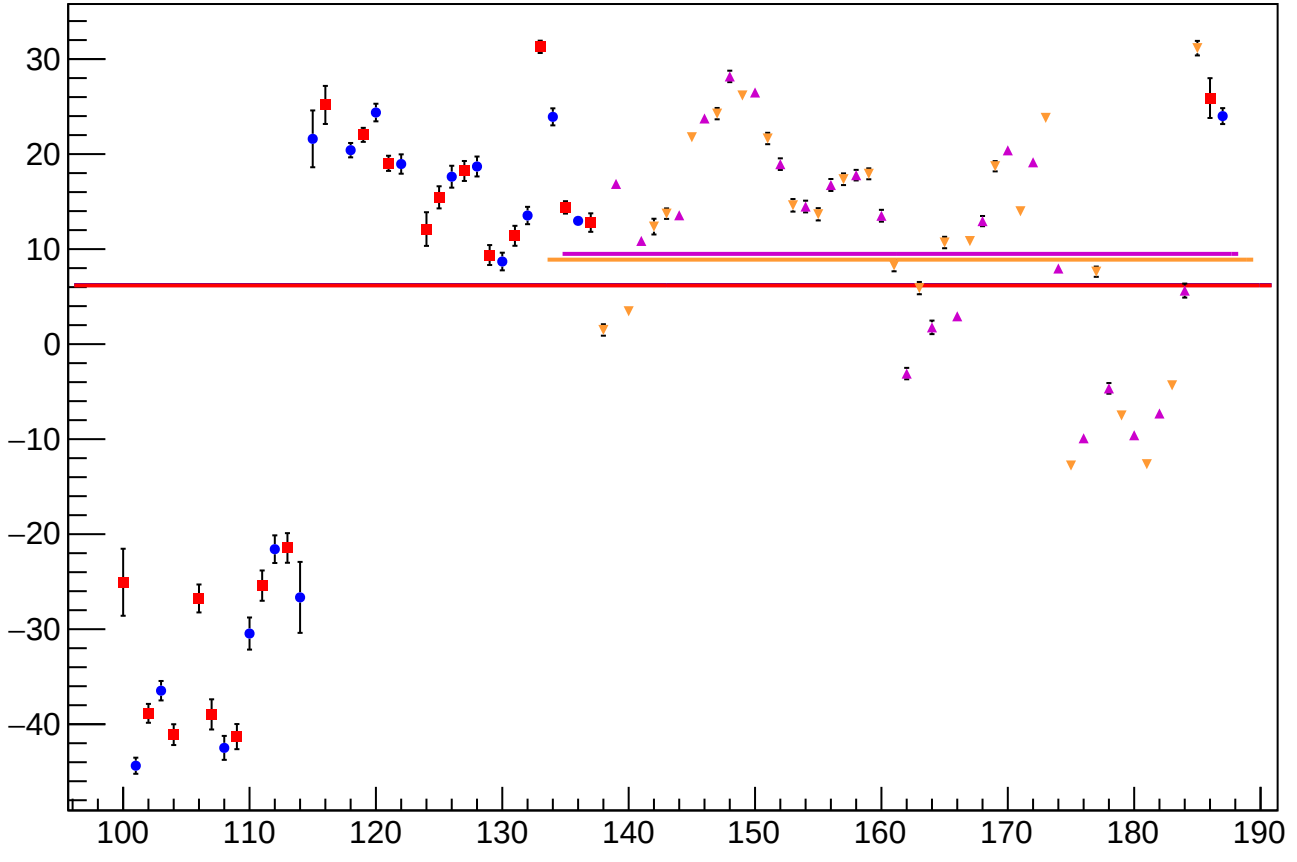
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 4.051+/-0.075 χ^2/NDF: 18119.8/41

All: 4.108+/-0.054 χ^2/NDF: 35121.3/84

- sign 4.168+/-0.077 χ^2/NDF: 17000.3/42

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 6.218+/-0.228 χ^2/NDF: 9982.0/16

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

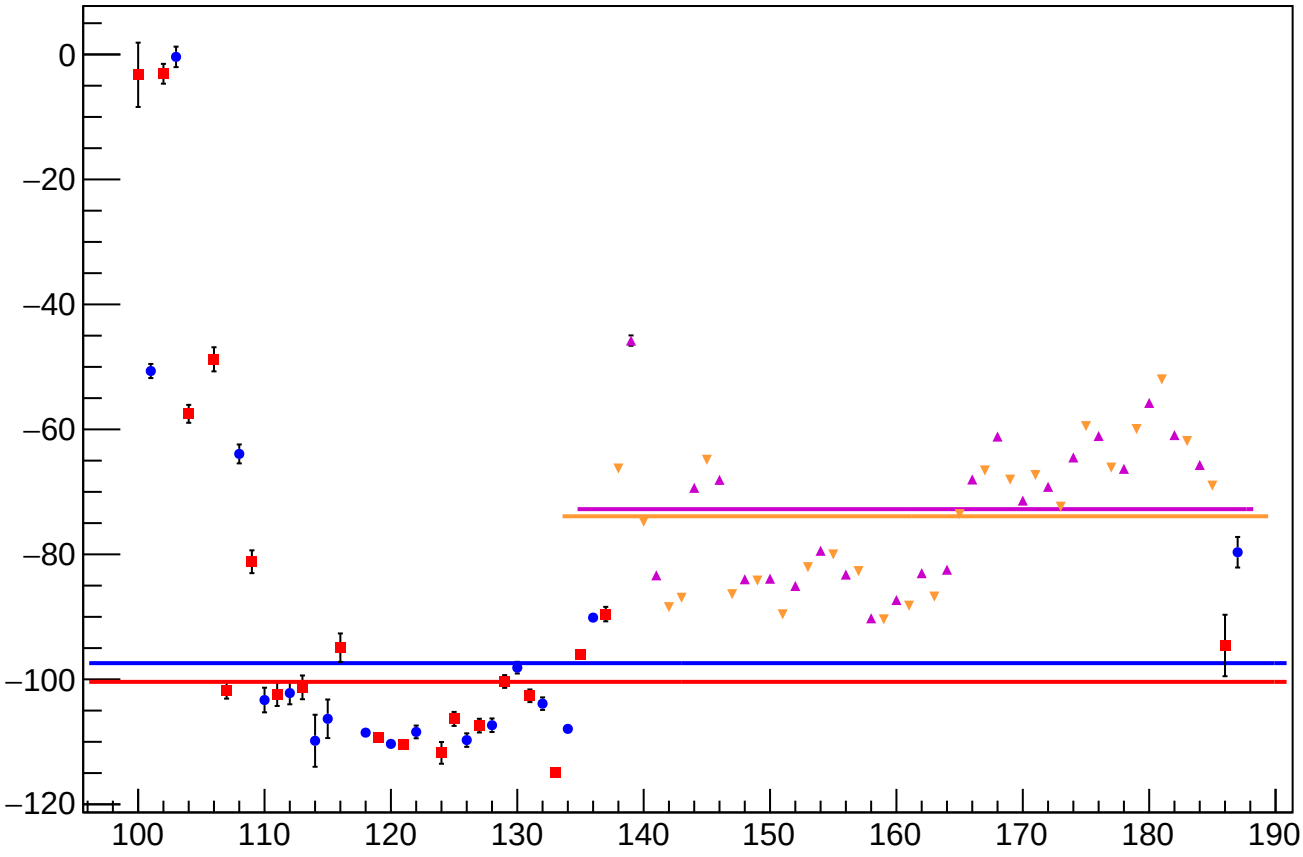
Right Out: 6.180+/-0.238 χ^2/NDF: 10149.1/19

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 8.435+/-0.094 χ^2/NDF: 25523.7/41

All: 8.683+/-0.068 χ^2/NDF: 48889.9/84

- sign 8.947+/-0.097 χ^2/NDF: 23351.8/42



Right In: -97.408+/-0.241 χ^2/NDF: 7197.4/16

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -100.404+/-0.241 χ^2/NDF: 7117.1/19

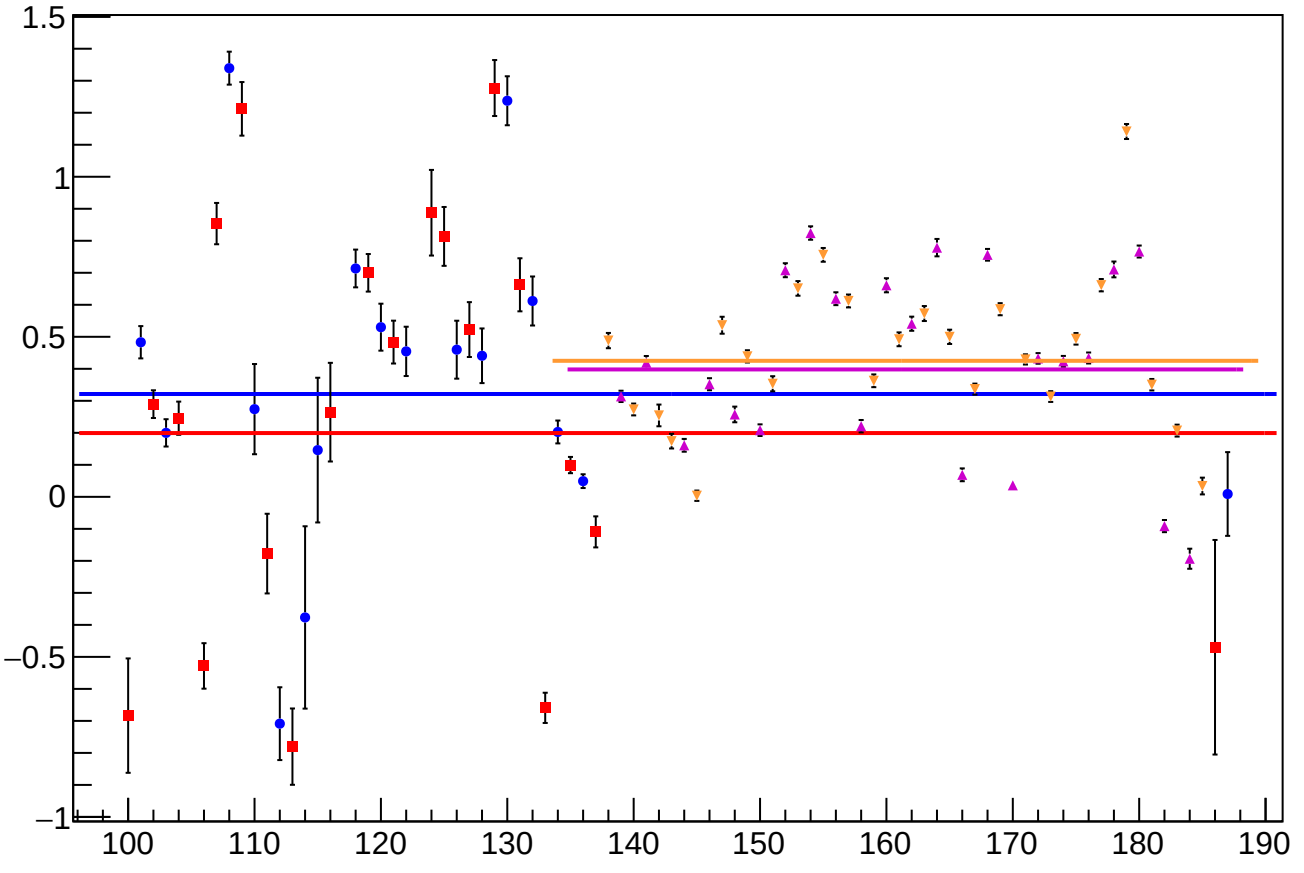
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -76.819+/-0.085 χ^2/NDF: 31128.4/41

All: -76.604+/-0.061 χ^2/NDF: 62336.3/84

- sign -76.376+/-0.087 χ^2/NDF: 31194.6/42

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.321+/-0.013 χ^2/NDF: 892.3/16

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.199+/-0.014 χ^2/NDF: 1210.3/19

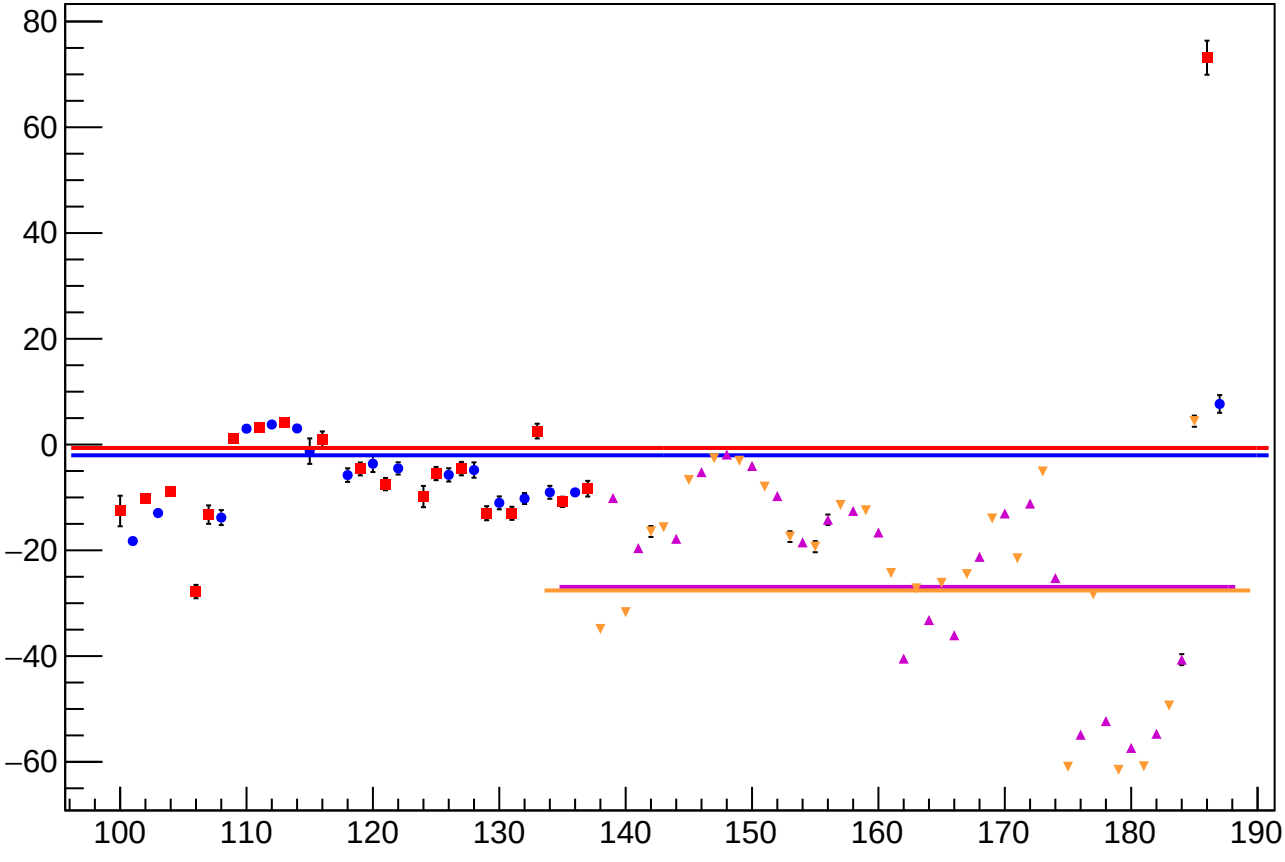
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.416+/-0.004 χ^2/NDF: 3984.0/41

All: 0.399+/-0.003 χ^2/NDF: 9693.2/84

- sign 0.382+/-0.004 χ^2/NDF: 5670.9/42

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -2.032+/-0.191 χ^2/NDF: 1524.9/16

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.642+/-0.170 χ^2/NDF: 1992.2/19

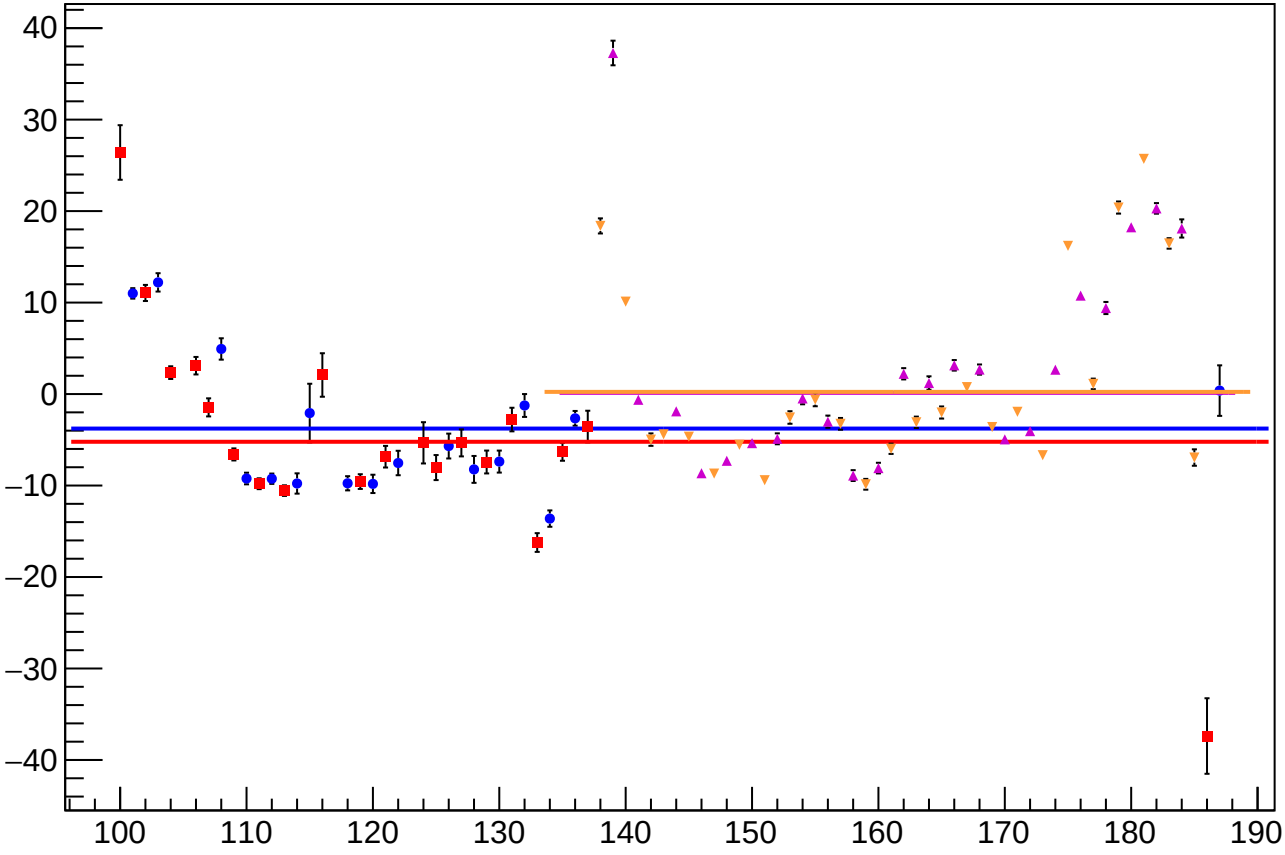
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.289+/-0.115 χ^2/NDF: 32708.3/41

All: -16.857+/-0.080 χ^2/NDF: 64019.6/84

- sign -15.496+/-0.112 χ^2/NDF: 31009.4/42

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -3.773+/-0.225 χ^2/NDF: 1427.8/16

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -5.216+/-0.218 χ^2/NDF: 1041.4/19

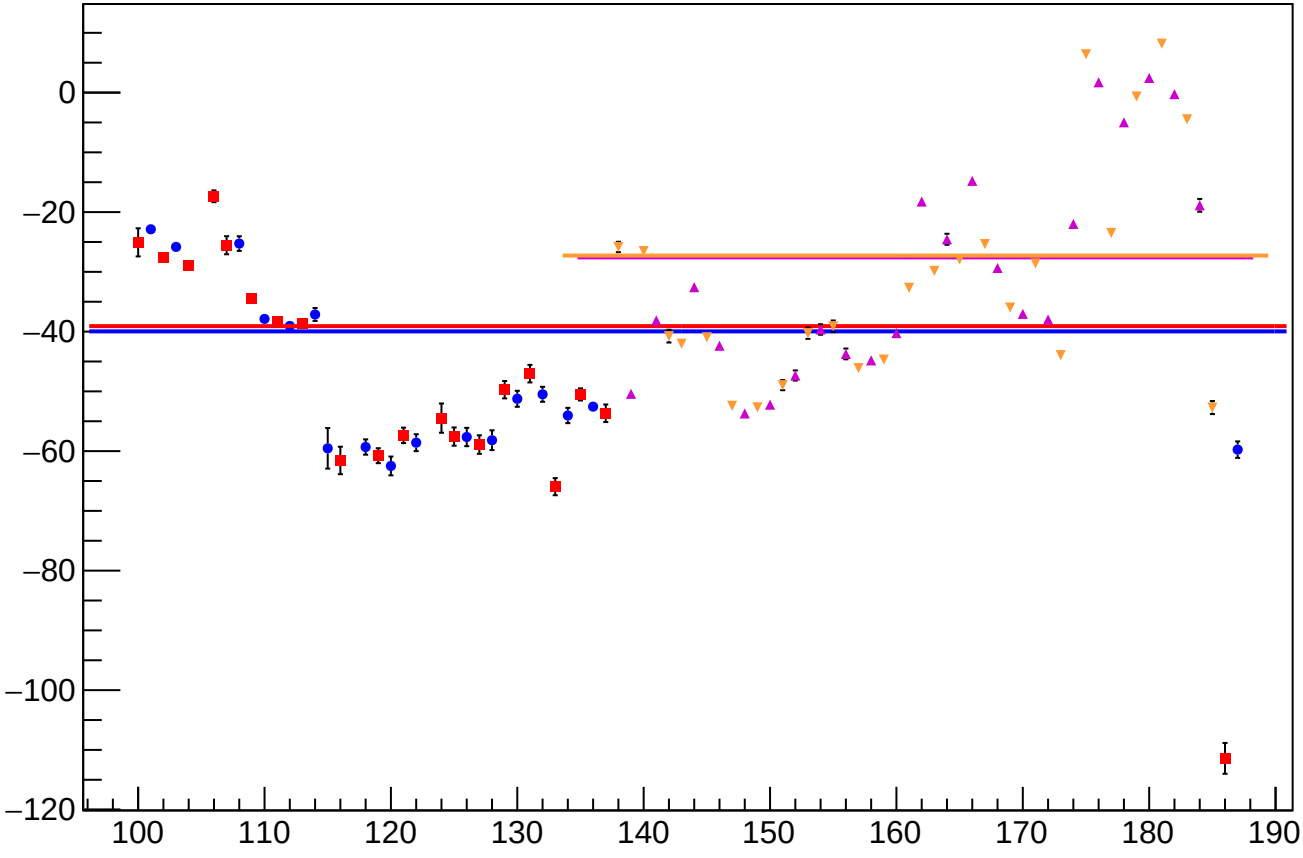
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign -0.539+/-0.099 χ^2/NDF: 9719.7/41

All: -0.774+/-0.071 χ^2/NDF: 17080.3/84

- sign -1.021+/-0.101 χ^2/NDF: 7349.0/42

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.960+/-0.223 χ^2/NDF: 3169.3/16

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -39.083+/-0.212 χ^2/NDF: 3562.6/19

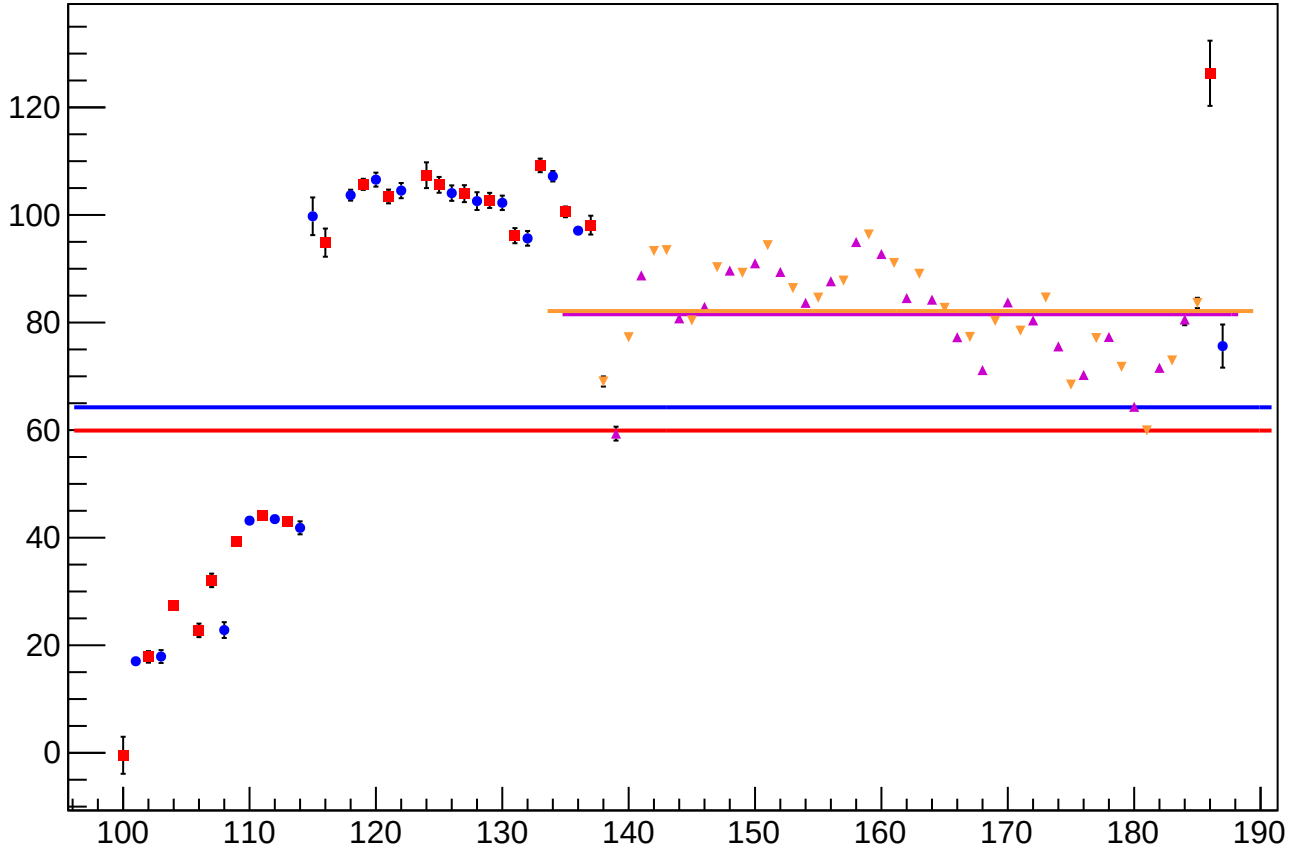
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.013+/-0.121 χ^2/NDF: 23989.2/41

All: -31.187+/-0.086 χ^2/NDF: 45183.4/84

- sign -31.362+/-0.121 χ^2/NDF: 21190.0/42

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 64.243+/-0.257 χ^2/NDF: 18604.5/16

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.917+/-0.249 χ^2/NDF: 17551.5/19

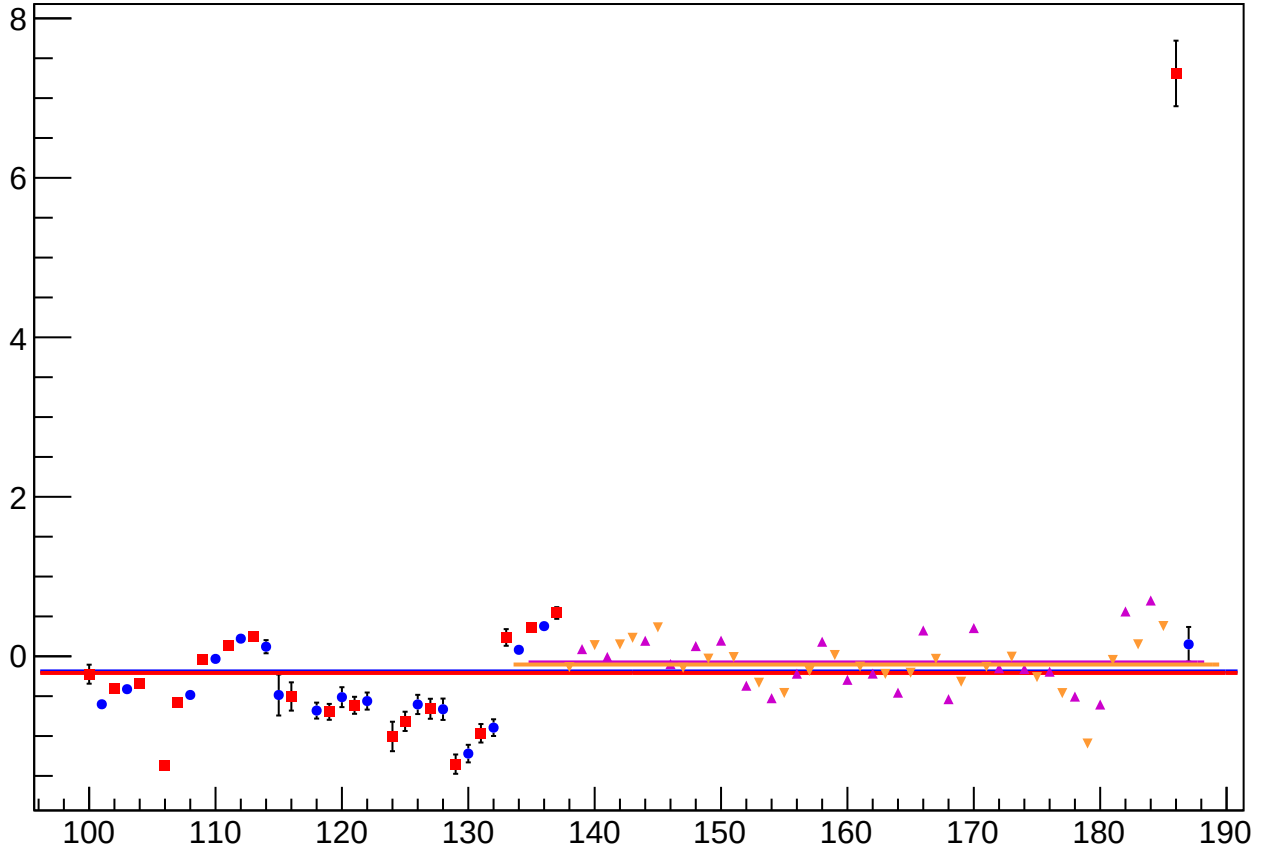
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 78.721+/-0.112 χ^2/NDF: 27903.2/41

All: 77.854+/-0.080 χ^2/NDF: 55583.0/84

- sign 76.953+/-0.114 χ^2/NDF: 27558.0/42

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.190+/-0.013 χ^2/NDF: 920.8/16

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.209+/-0.013 χ^2/NDF: 1703.0/19

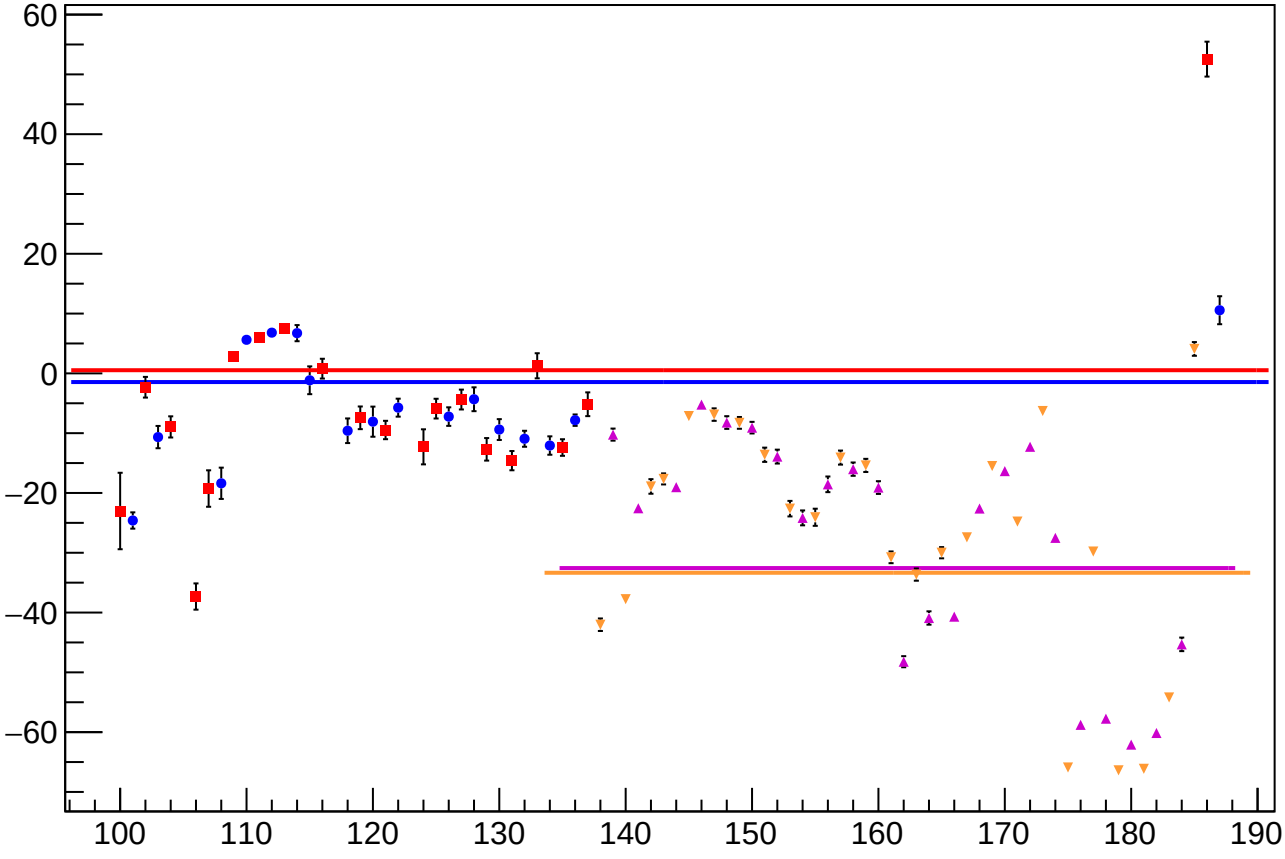
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.116+/-0.005 χ^2/NDF: 3364.5/41

All: -0.107+/-0.004 χ^2/NDF: 8480.8/84

- sign -0.099+/-0.005 χ^2/NDF: 5110.7/42

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -1.452+/-0.305 χ^2/NDF: 927.1/16

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

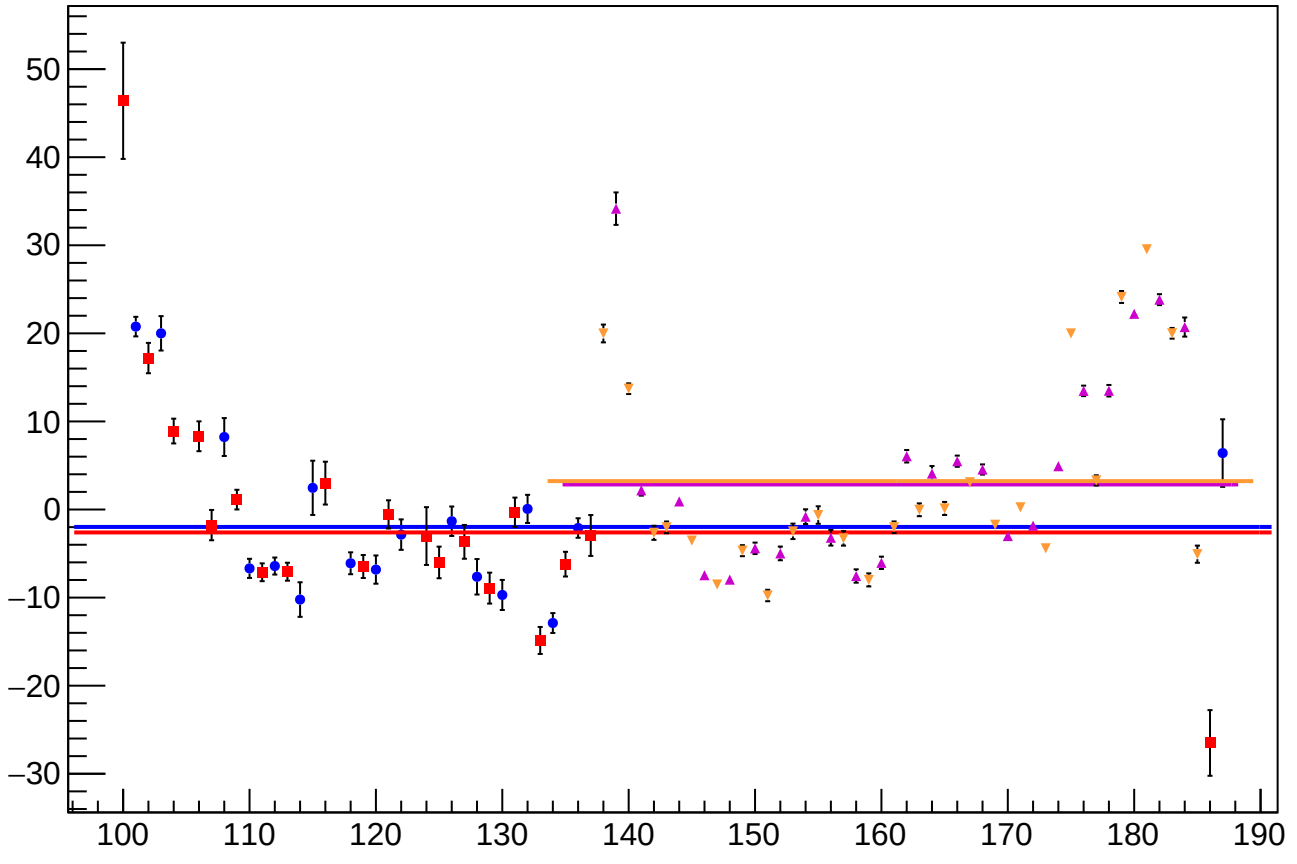
Right Out: 0.528+/-0.281 χ^2/NDF: 1251.7/19

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

+ sign -26.168+/-0.145 χ^2/NDF: 27366.1/41

All: -24.945+/-0.103 χ^2/NDF: 52845.0/84

- sign -23.719+/-0.145 χ^2/NDF: 25336.3/42



Right In: -1.978+/-0.355 χ^2/NDF: 776.7/16

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

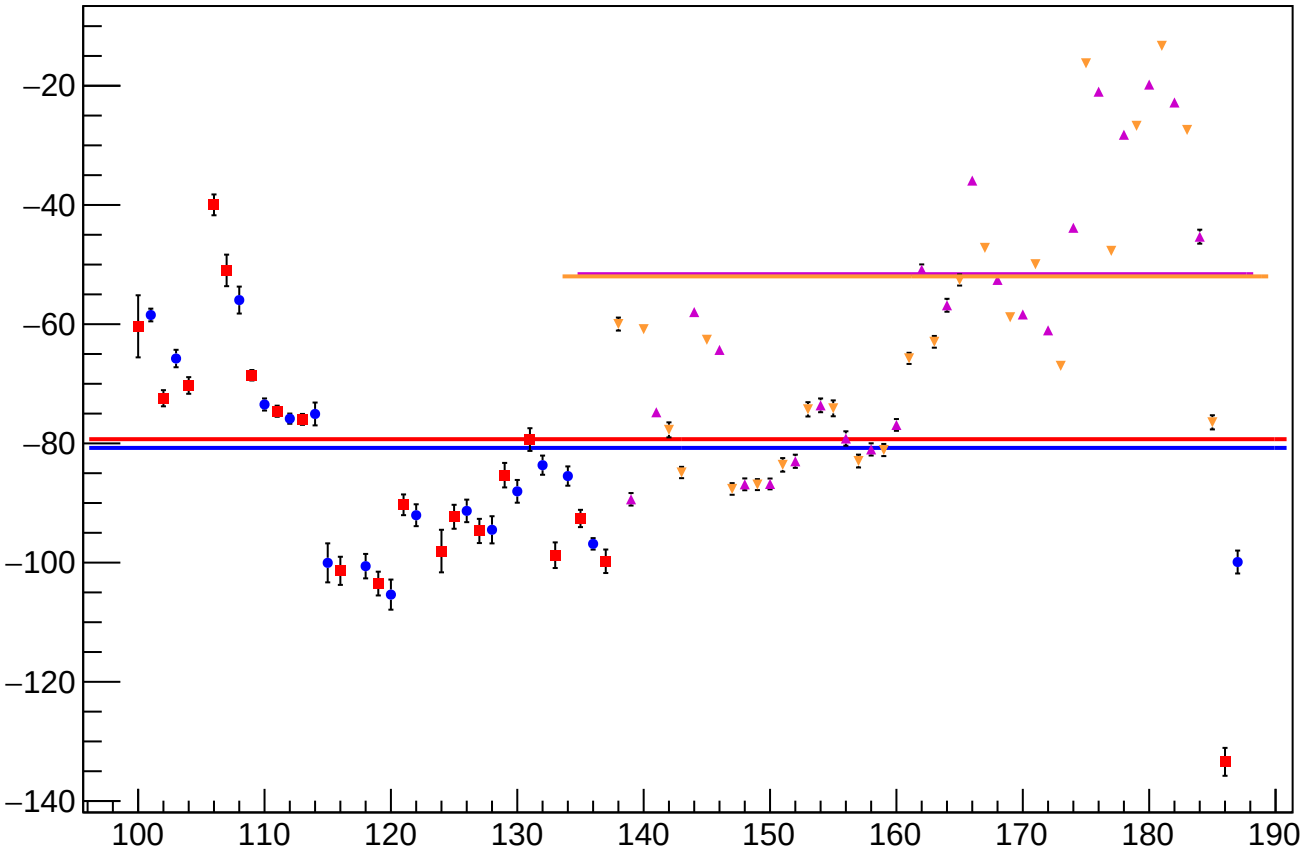
Right Out: -2.603+/-0.354 χ^2/NDF: 492.4/19

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.624+/-0.120 χ^2/NDF: 8642.7/41

All: 2.409+/-0.086 χ^2/NDF: 14805.6/84

- sign 2.186+/-0.123 χ^2/NDF: 6156.5/42



Right In: -80.757+/-0.358 χ^2/NDF: 1489.9/16

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.292+/-0.350 χ^2/NDF: 2107.5/19

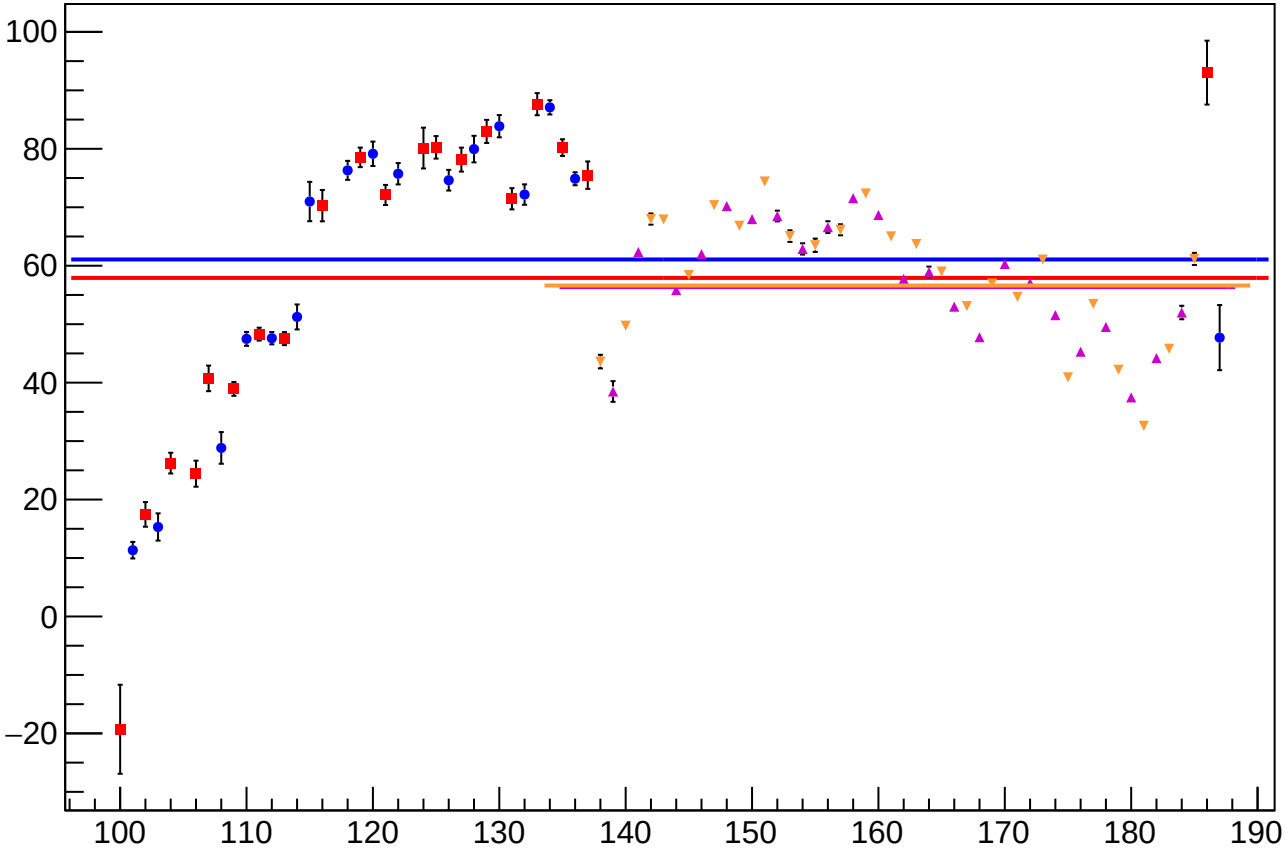
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.013+/-0.150 χ^2/NDF: 27707.1/41

All: -56.938+/-0.107 χ^2/NDF: 52521.0/84

- sign -56.860+/-0.152 χ^2/NDF: 24813.4/42

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 61.070+/-0.400 χ^2/NDF: 3235.1/16

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.916+/-0.399 χ^2/NDF: 2817.1/19

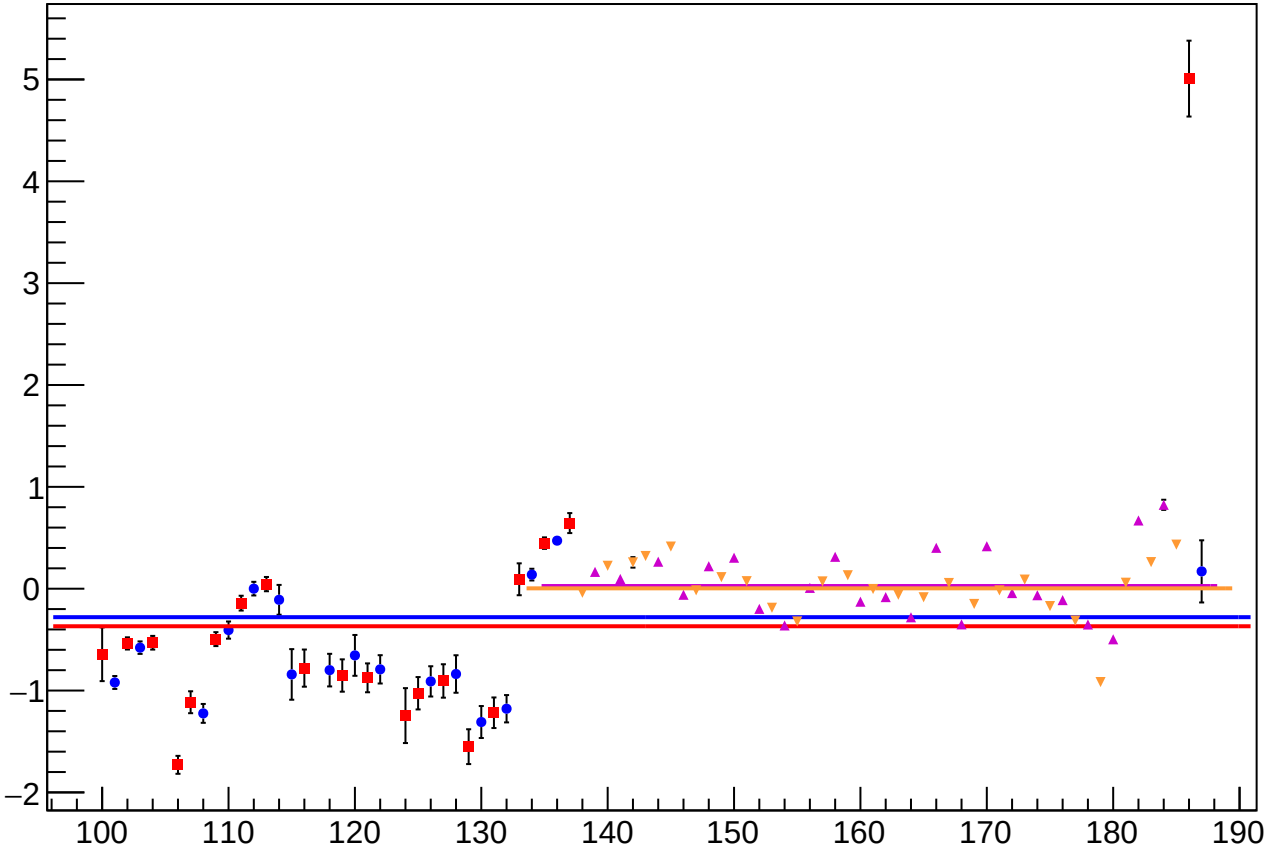
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 57.124+/-0.135 χ^2/NDF: 9011.4/41

All: 56.836+/-0.097 χ^2/NDF: 15820.0/84

- sign 56.536+/-0.138 χ^2/NDF: 6799.4/42

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.280+/-0.022 χ^2/NDF: 730.4/16

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.369+/-0.022 χ^2/NDF: 1027.8/19

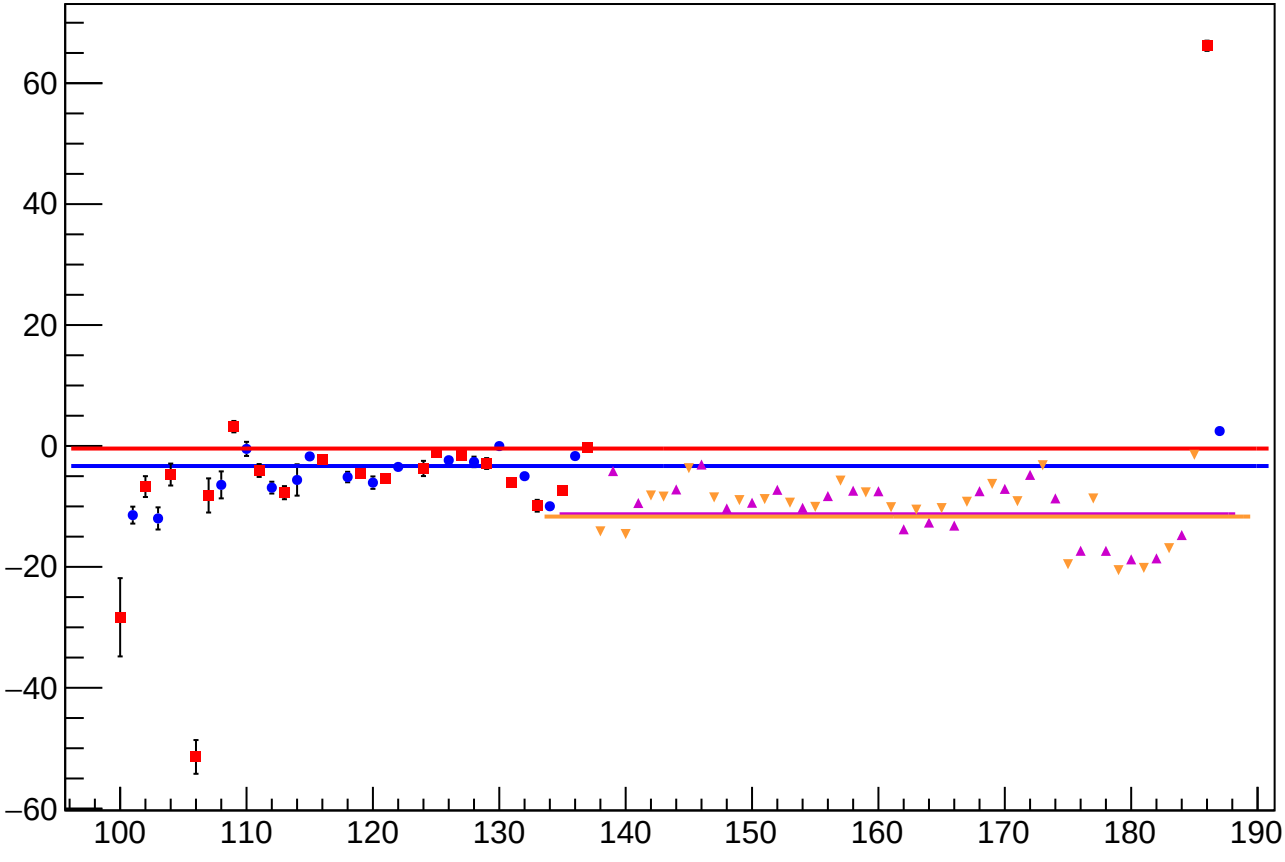
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.020+/-0.006 χ^2/NDF: 2589.3/41

All: -0.013+/-0.004 χ^2/NDF: 6267.5/84

- sign -0.007+/-0.006 χ^2/NDF: 3676.0/42

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -3.319+/-0.184 χ^2/NDF: 288.5/16

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -0.429+/-0.194 χ^2/NDF: 7140.1/19

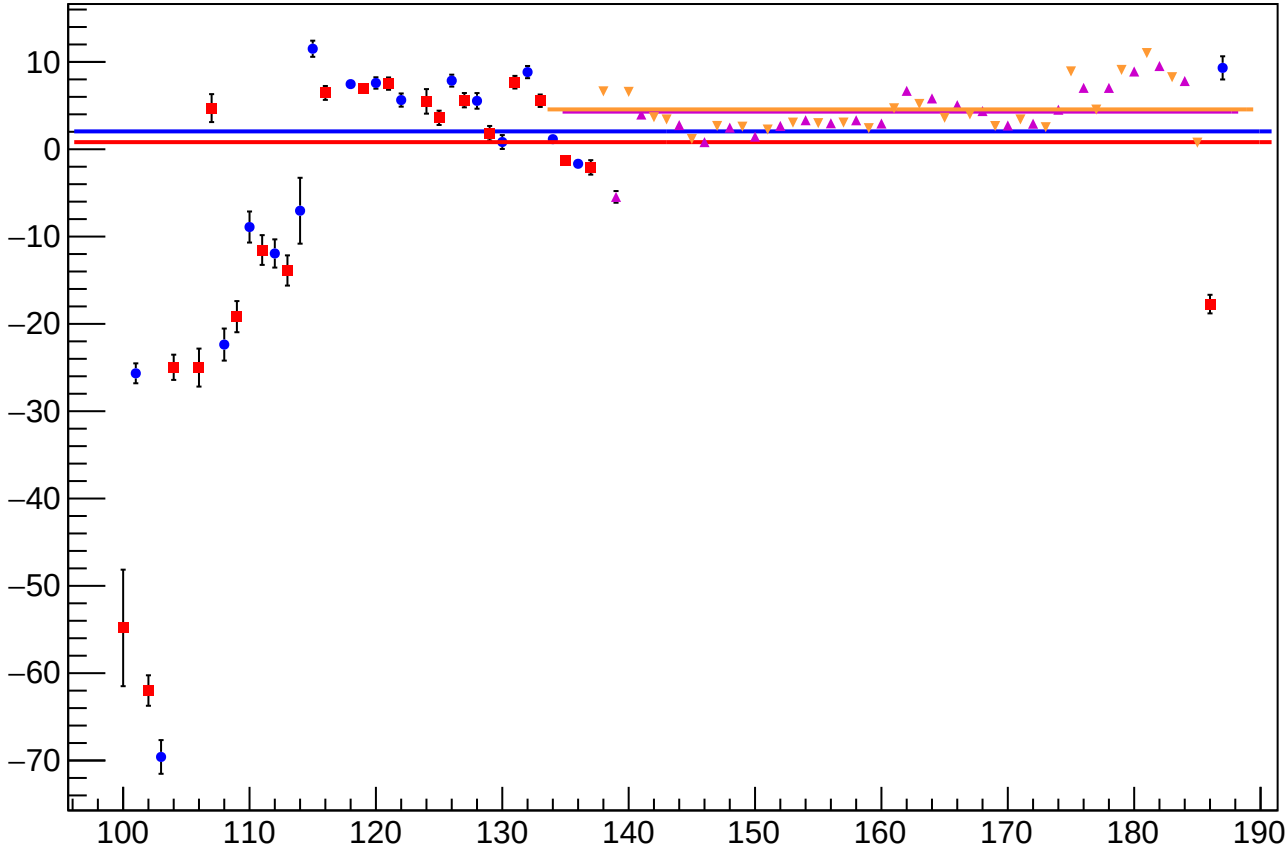
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.048+/-0.051 χ^2/NDF: 14797.6/41

All: -10.791+/-0.036 χ^2/NDF: 34132.2/84

- sign -10.521+/-0.052 χ^2/NDF: 19281.8/42

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 2.046+/-0.187 χ^2/NDF: 2868.8/16

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

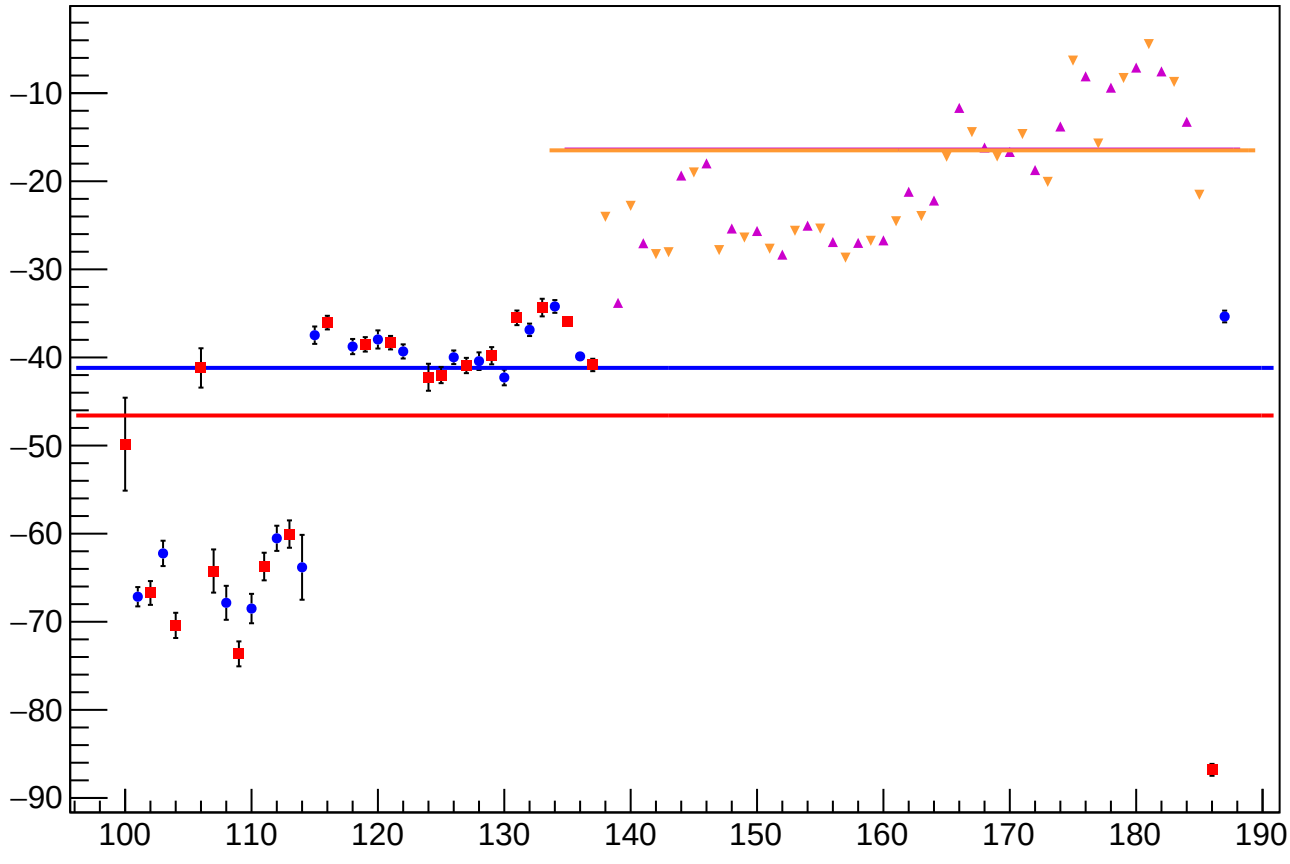
Right Out: 0.815+/-0.204 χ^2/NDF: 2875.4/19

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.446+/-0.040 χ^2/NDF: 7397.8/41

All: 4.309+/-0.029 χ^2/NDF: 14186.0/84

- sign 4.166+/-0.041 χ^2/NDF: 6764.7/42



Right In: -41.184+/-0.198 χ^2/NDF: 1718.1/16

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -46.589+/-0.216 χ^2/NDF: 5932.6/19

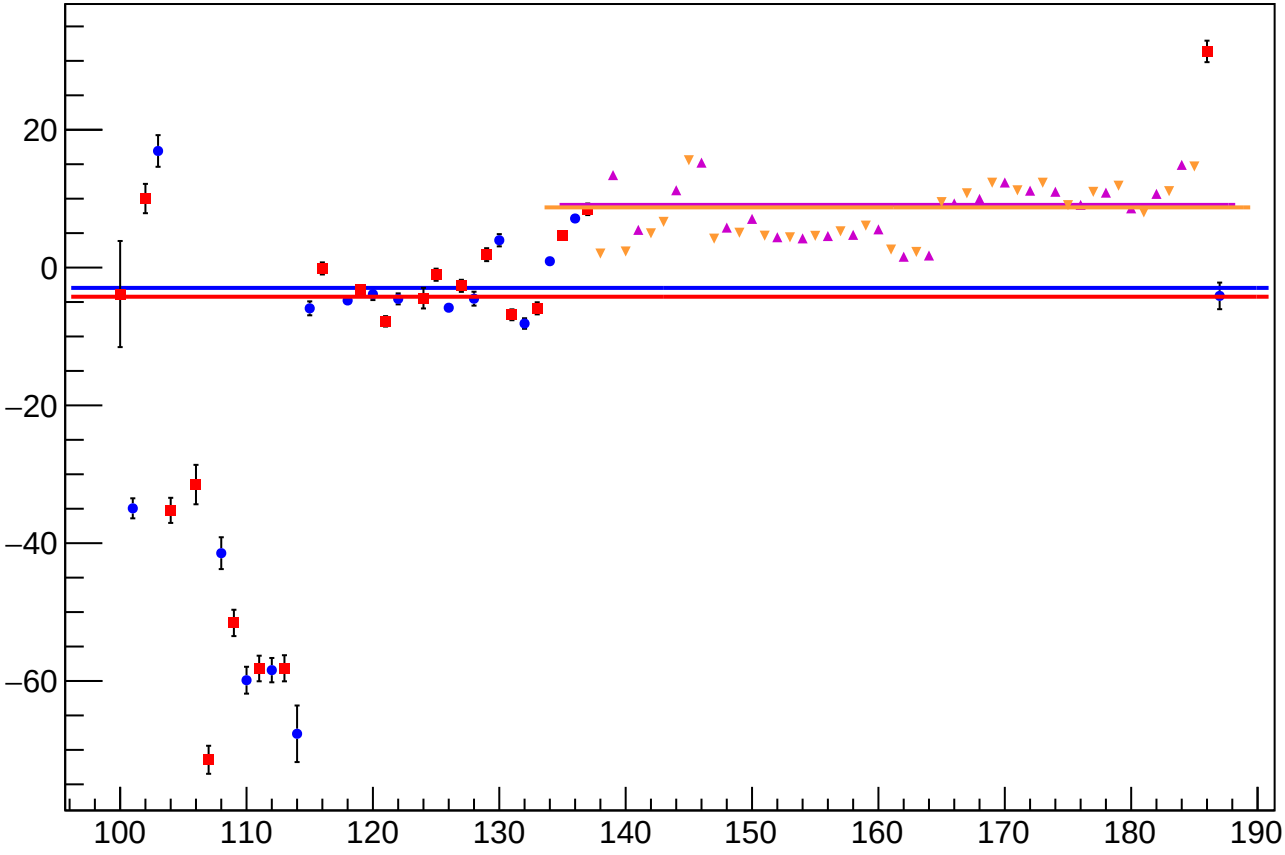
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.127+/-0.051 χ^2/NDF: 38191.0/41

All: -18.148+/-0.037 χ^2/NDF: 80499.7/84

- sign -18.169+/-0.052 χ^2/NDF: 42308.4/42

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -2.950+/-0.208 χ^2/NDF: 3726.0/16

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -4.231+/-0.229 χ^2/NDF: 4910.1/19

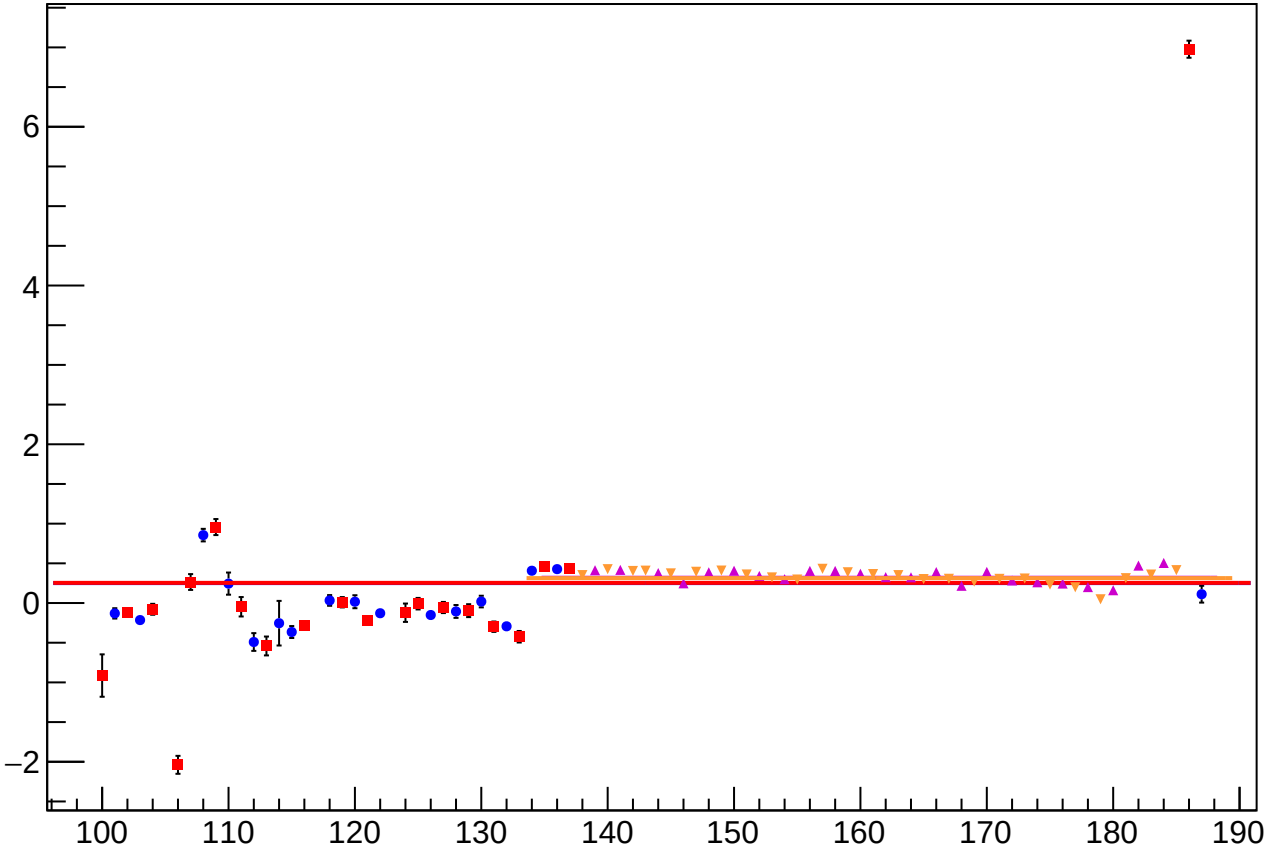
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.188+/-0.045 χ^2/NDF: 13596.9/41

All: 8.368+/-0.032 χ^2/NDF: 27521.4/84

- sign 8.557+/-0.046 χ^2/NDF: 13891.7/42

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.251+/-0.011 χ^2/NDF: 632.7/16

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

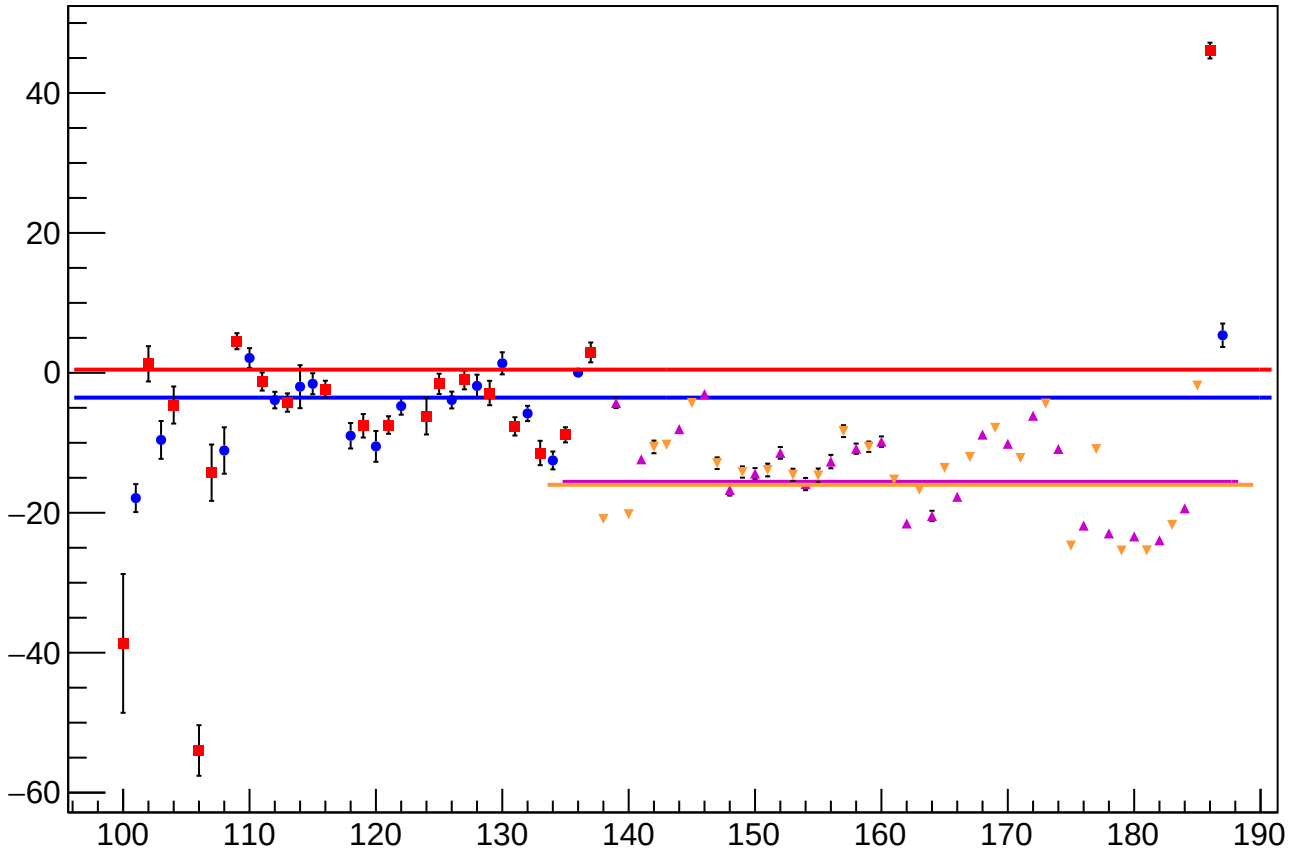
Right Out: 0.254+/-0.013 χ^2/NDF: 4984.3/19

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

\+ sign 0.312+/-0.002 χ^2/NDF: 2264.1/41

All: 0.314+/-0.001 χ^2/NDF: 9062.6/84

\- sign 0.317+/-0.002 χ^2/NDF: 6795.4/42



Right In: -3.542+/-0.339 χ^2/NDF: 218.4/16

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 0.460+/-0.340 χ^2/NDF: 2161.8/19

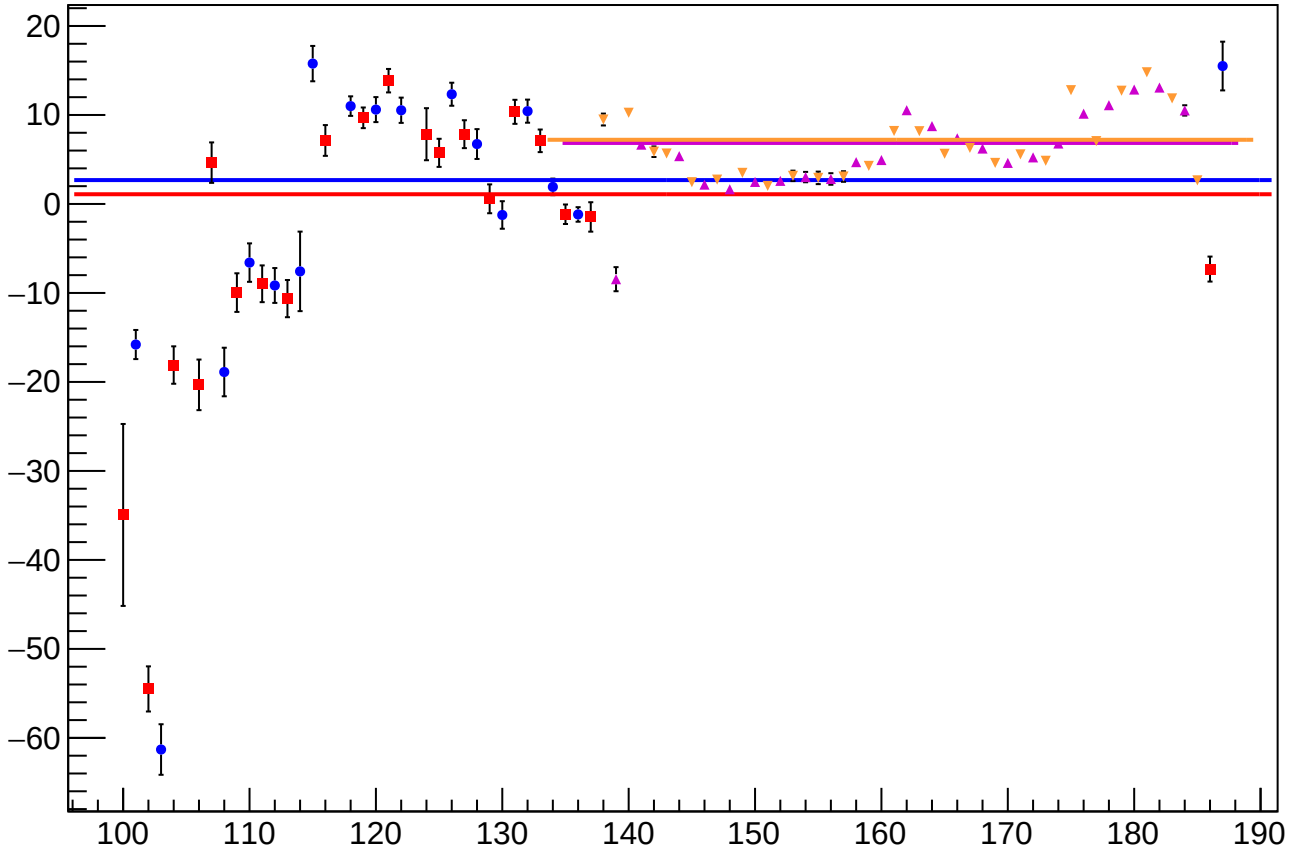
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.014+/-0.095 χ^2/NDF: 7425.8/41

All: -14.646+/-0.068 χ^2/NDF: 16418.0/84

- sign -14.260+/-0.098 χ^2/NDF: 8961.7/42

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 2.683+/-0.354 χ^2/NDF: 1069.0/16

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 1.092+/-0.372 χ^2/NDF: 1021.7/19

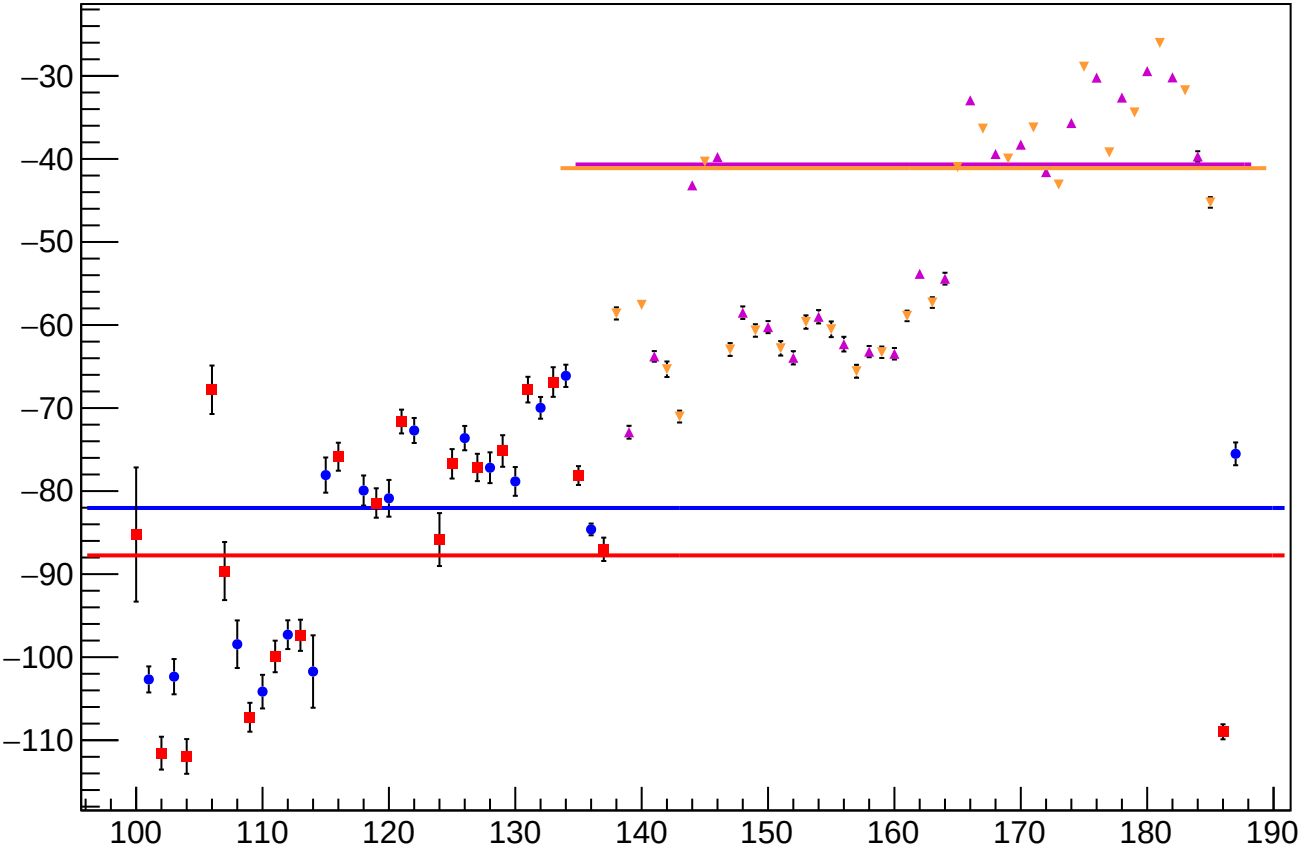
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.991+/-0.078 χ^2/NDF: 3680.8/41

All: 6.796+/-0.056 χ^2/NDF: 7100.4/84

- sign 6.595+/-0.079 χ^2/NDF: 3406.9/42

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -82.033+/-0.370 χ^2/NDF: 863.0/16

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -87.744+/-0.377 χ^2/NDF: 1759.5/19

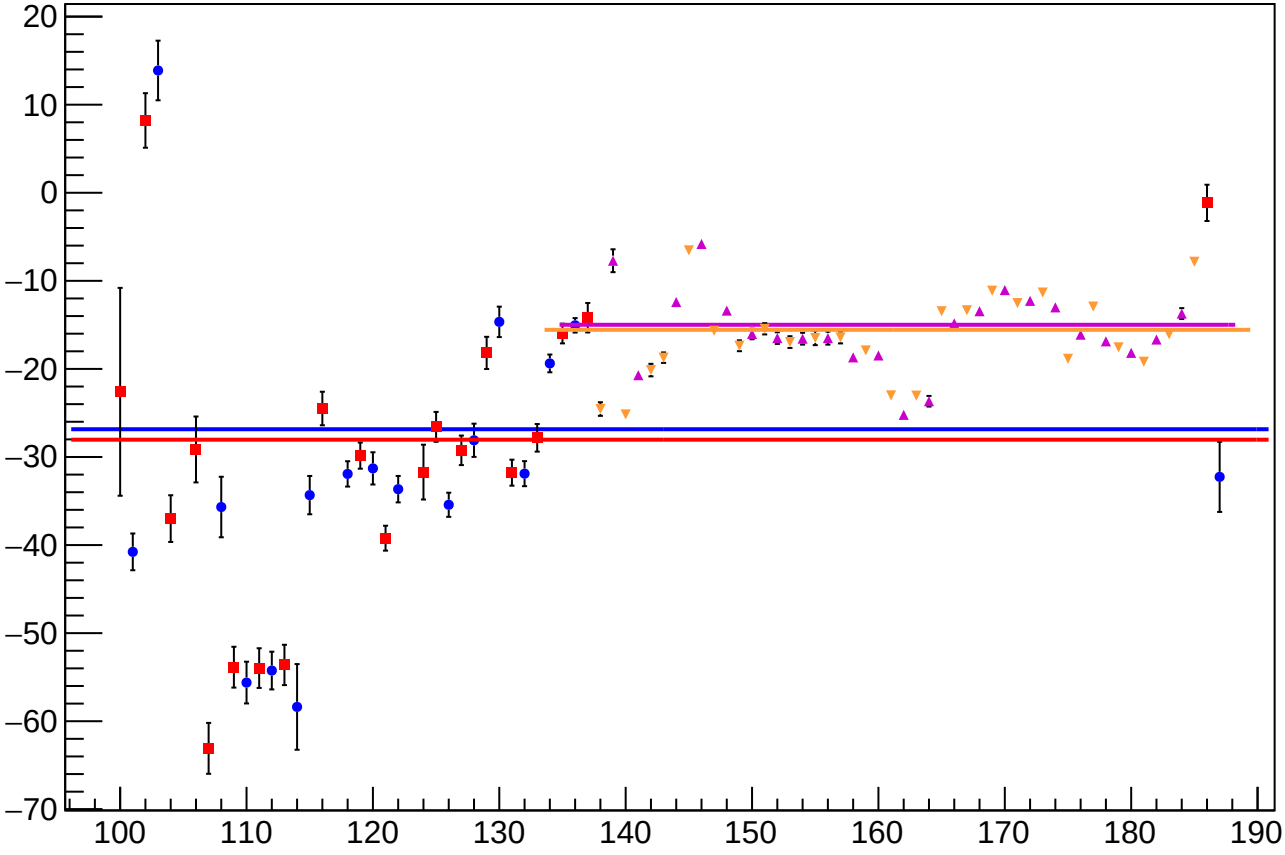
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -43.895+/-0.097 χ^2/NDF: 28256.4/41

All: -43.895+/-0.069 χ^2/NDF: 58109.4/84

- sign -43.895+/-0.099 χ^2/NDF: 29853.1/42

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -26.849+/-0.394 χ^2/NDF: 965.3/16

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -28.036+/-0.422 χ^2/NDF: 1138.9/19

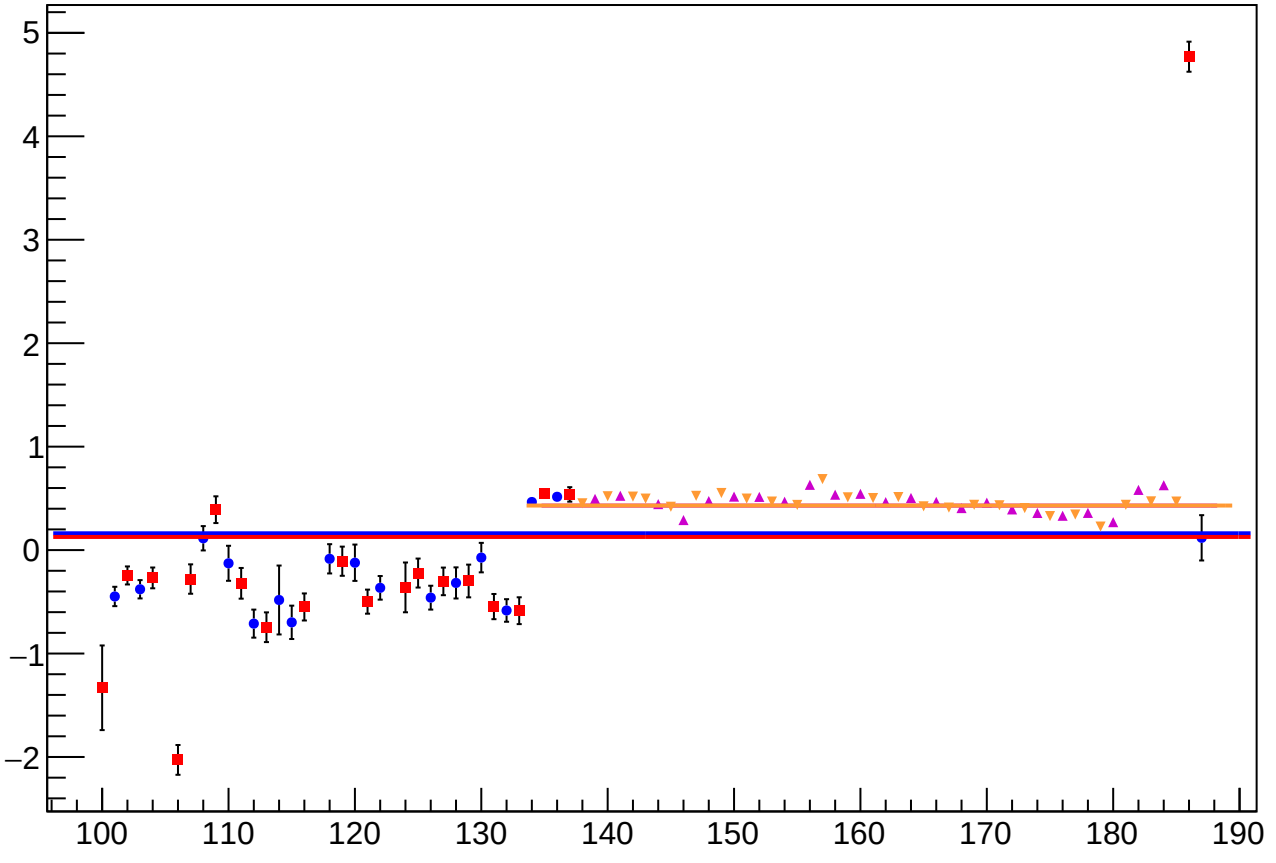
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.110+/-0.087 χ^2/NDF: 4297.1/41

All: -15.840+/-0.062 χ^2/NDF: 8520.7/84

- sign -15.561+/-0.088 χ^2/NDF: 4203.9/42

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.162+/-0.021 χ^2/NDF: 422.6/16

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.127+/-0.024 χ^2/NDF: 1623.1/19

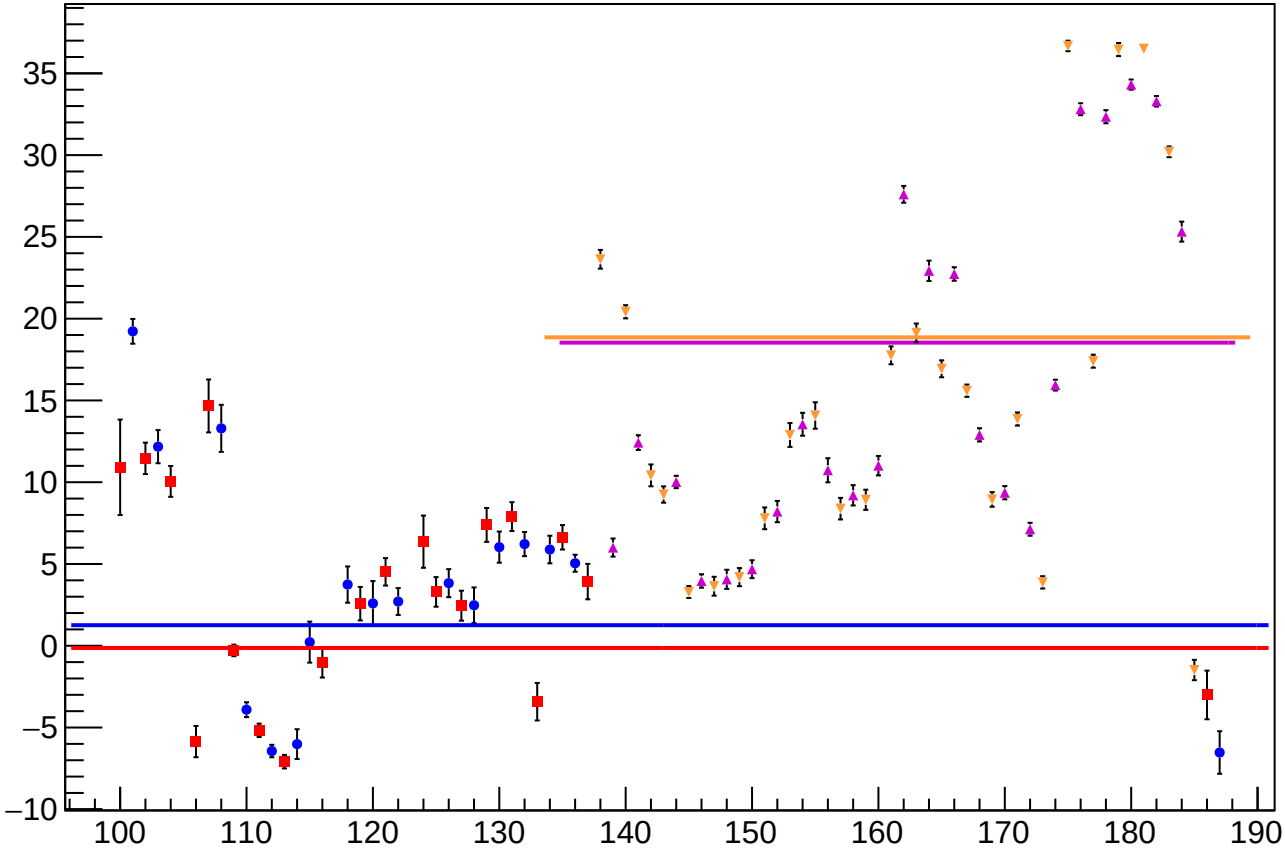
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.422+/-0.004 χ^2/NDF: 994.3/41

All: 0.422+/-0.003 χ^2/NDF: 3355.0/84

- sign 0.422+/-0.004 χ^2/NDF: 2360.7/42

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.258+/-0.181 χ^2/NDF: 1558.6/16

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

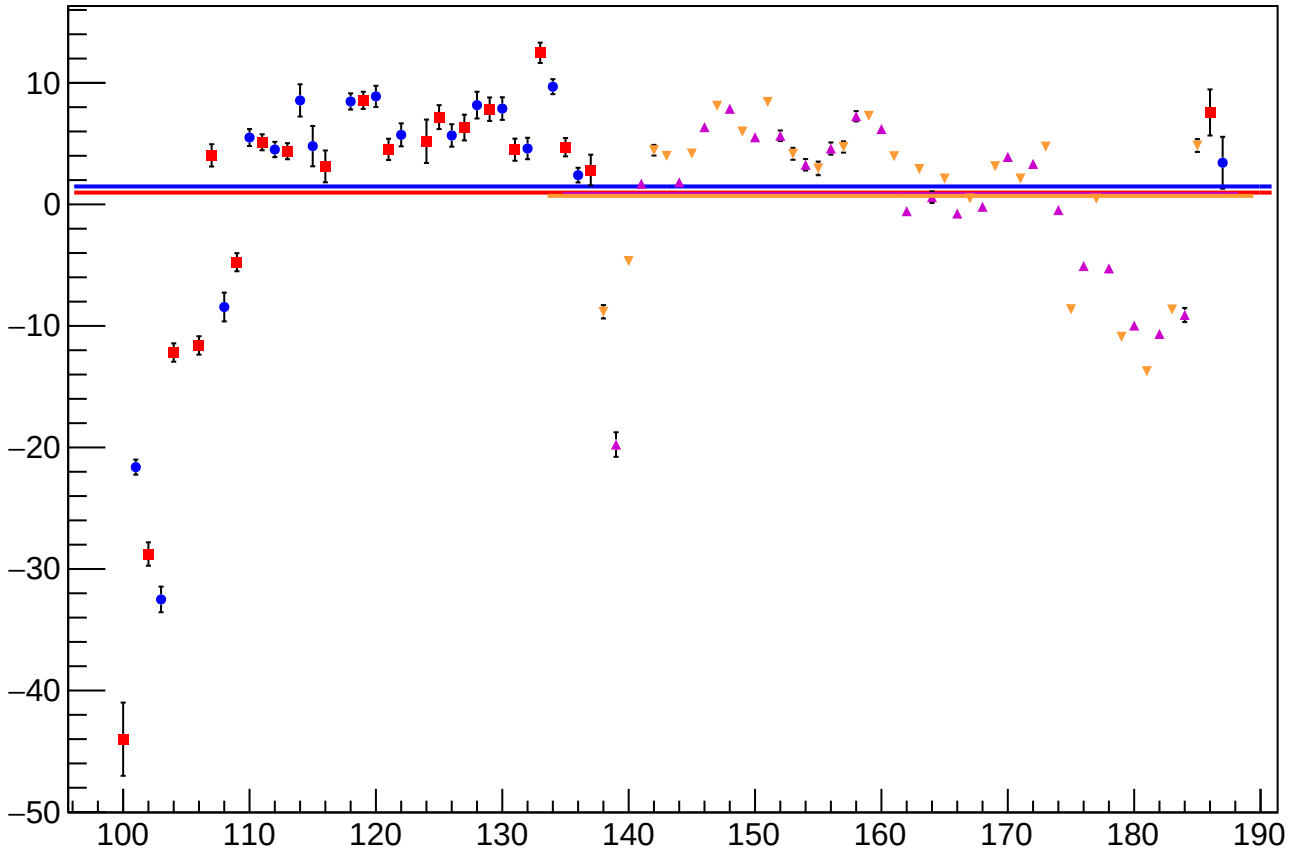
Right Out: -0.135+/-0.166 χ^2/NDF: 1151.0/19

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.353+/-0.081 χ^2/NDF: 27478.7/41

All: 14.716+/-0.057 χ^2/NDF: 52405.6/84

- sign 14.072+/-0.081 χ^2/NDF: 24802.1/42



Right In: 1.477+/-0.203 χ^2/NDF: 3081.1/16

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.971+/-0.201 χ^2/NDF: 2389.3/19

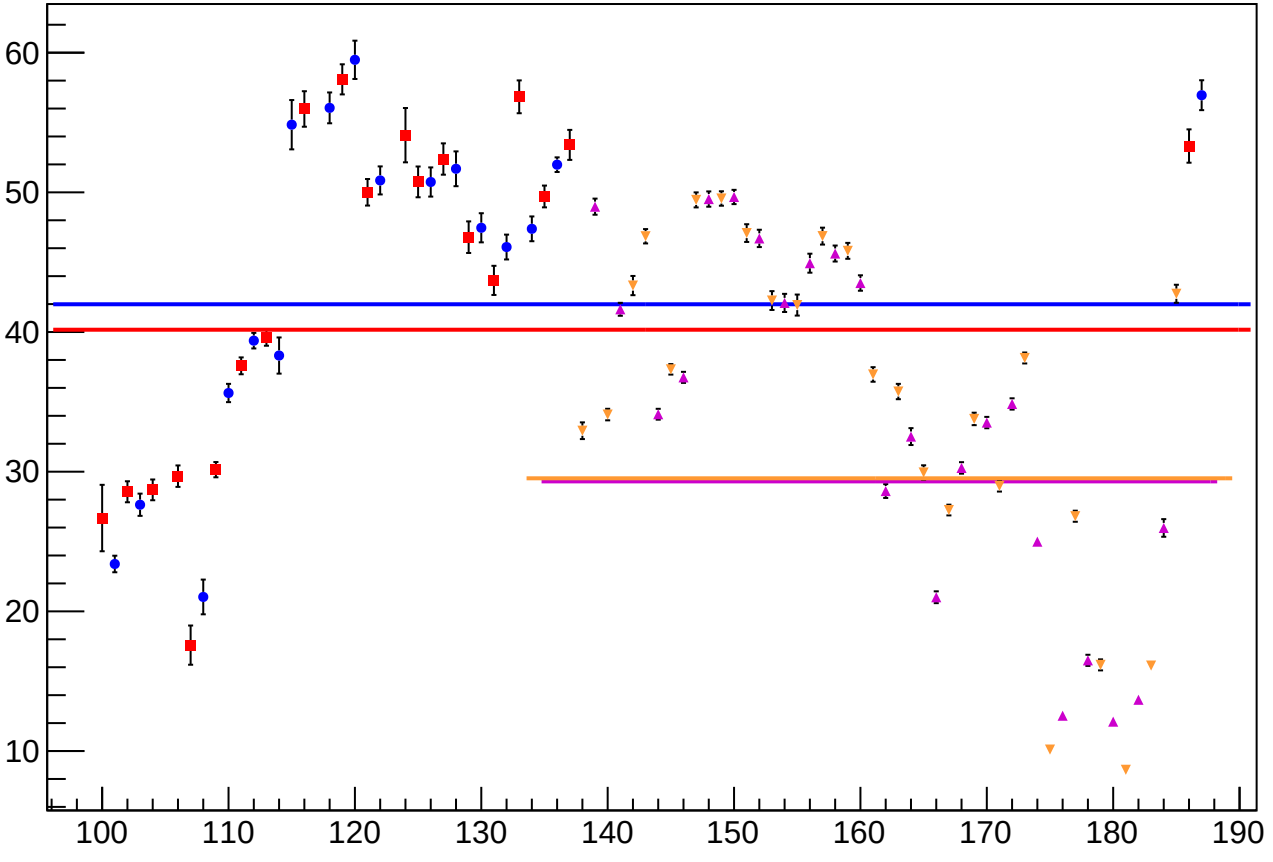
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.786+/-0.067 χ^2/NDF: 11332.0/41

All: 0.823+/-0.048 χ^2/NDF: 19767.6/84

- sign 0.861+/-0.068 χ^2/NDF: 8435.0/42

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.987+/-0.207 χ^2/NDF: 2949.3/16

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 40.164+/-0.200 χ^2/NDF: 2778.8/19

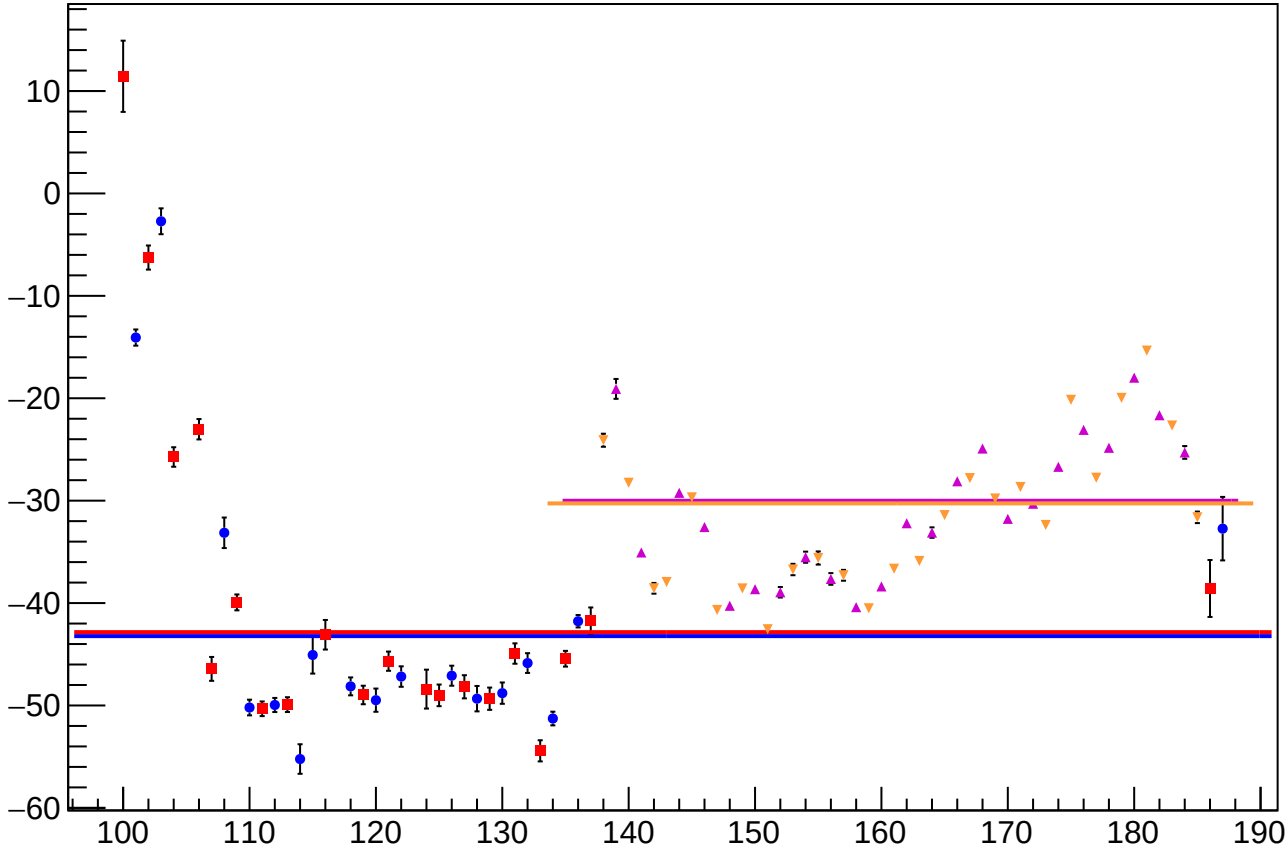
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.534+/-0.083 χ^2/NDF: 27082.4/41

All: 31.389+/-0.059 χ^2/NDF: 50160.4/84

- sign 31.239+/-0.084 χ^2/NDF: 23071.8/42

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -43.228+/-0.229 χ^2/NDF: 2996.7/16

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -42.838+/-0.228 χ^2/NDF: 2456.6/19

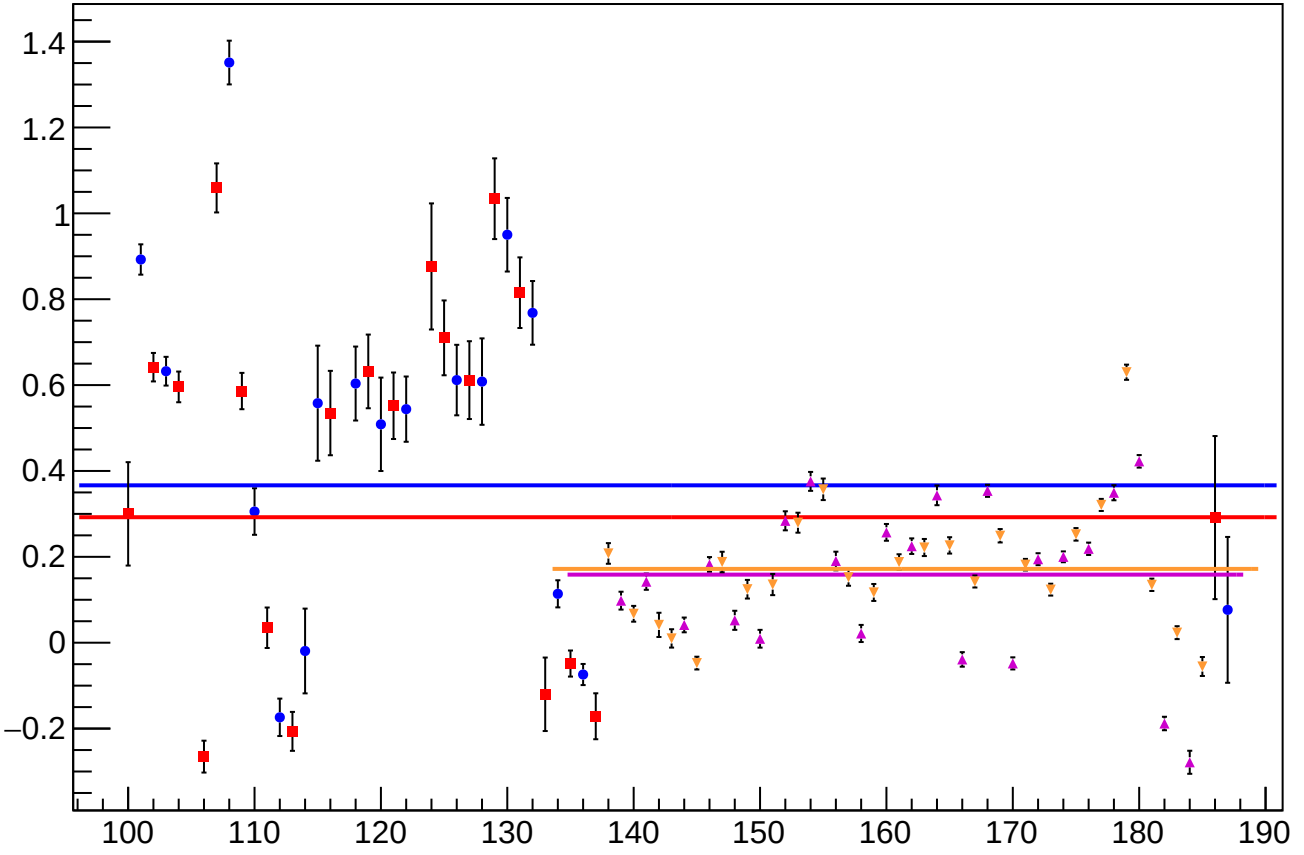
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.657+/-0.075 χ^2/NDF: 14363.6/41

All: -31.559+/-0.054 χ^2/NDF: 25708.9/84

- sign -31.456+/-0.077 χ^2/NDF: 11341.8/42

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.367+/-0.012 χ^2/NDF: 1323.8/16

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/19

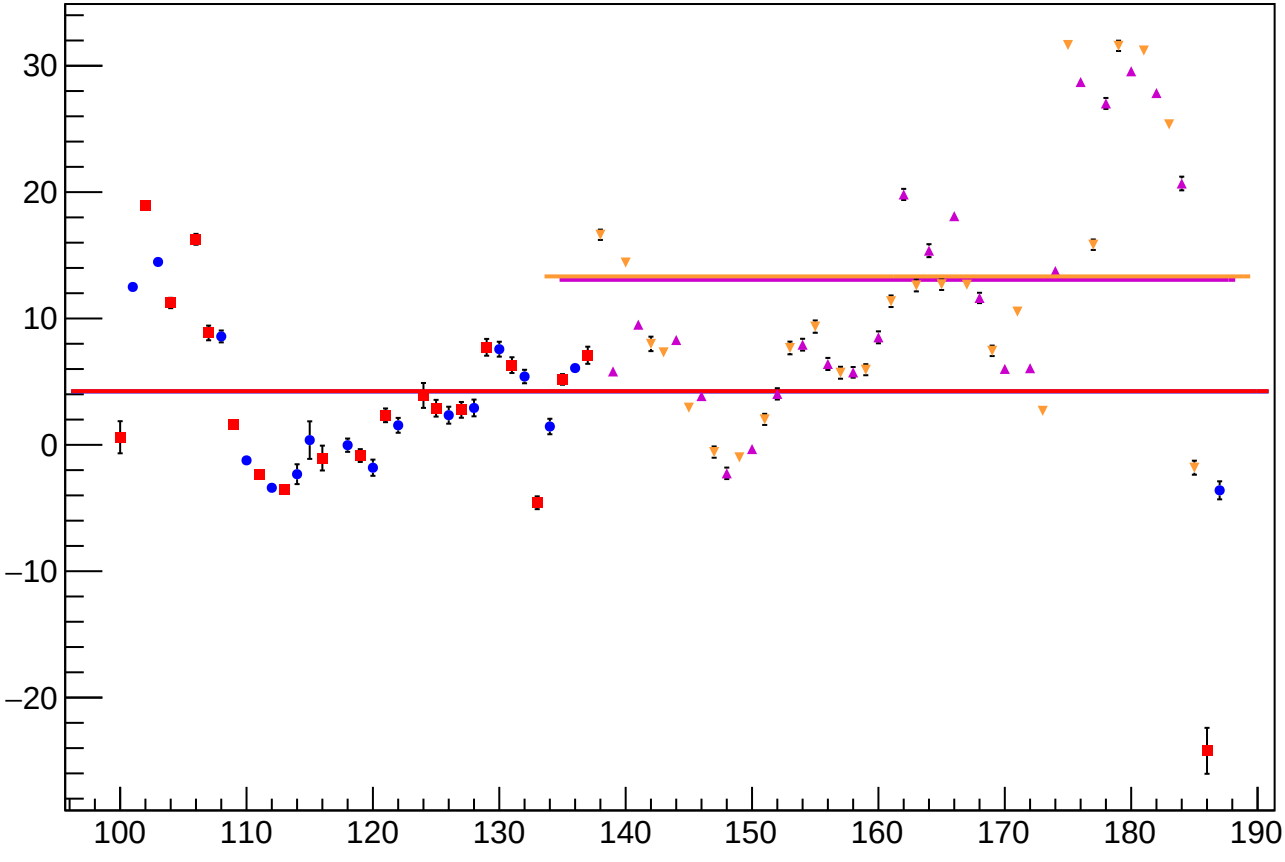
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.187+/-0.003 χ^2/NDF: 3060.8/41

All: 0.179+/-0.002 χ^2/NDF: 6572.8/84

- sign 0.170+/-0.003 χ^2/NDF: 3499.0/42

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 4.225+/-0.115 χ^2/NDF: 2745.4/16

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

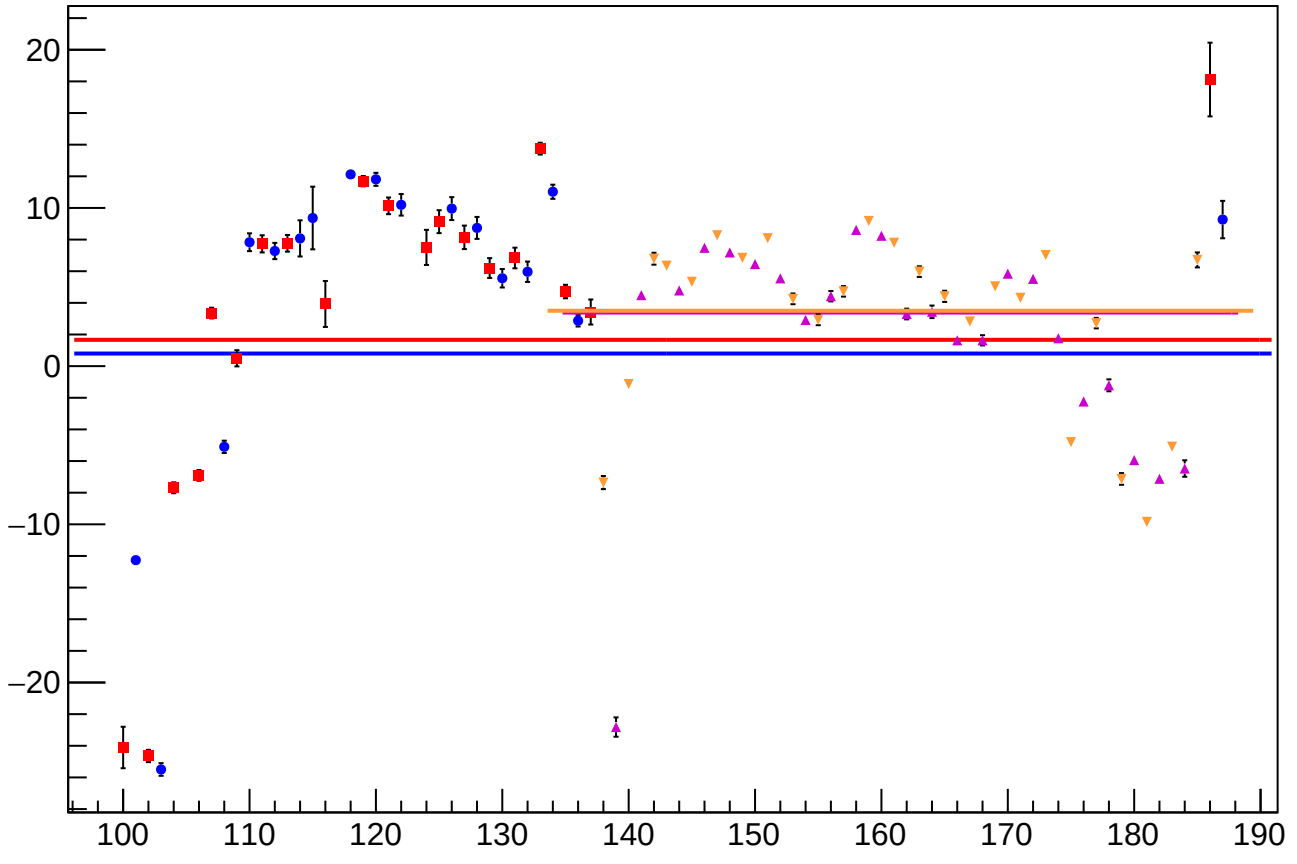
Right Out: 4.248+/-0.109 χ^2/NDF: 4451.2/19

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 10.538+/-0.064 χ^2/NDF: 26493.0/41

All: 10.273+/-0.045 χ^2/NDF: 50817.0/84

- sign 10.006+/-0.064 χ^2/NDF: 24289.5/42



Right In: 0.796+/-0.115 χ^2/NDF: 10505.8/16

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: 1.664+/-0.111 χ^2/NDF: 9305.5/19

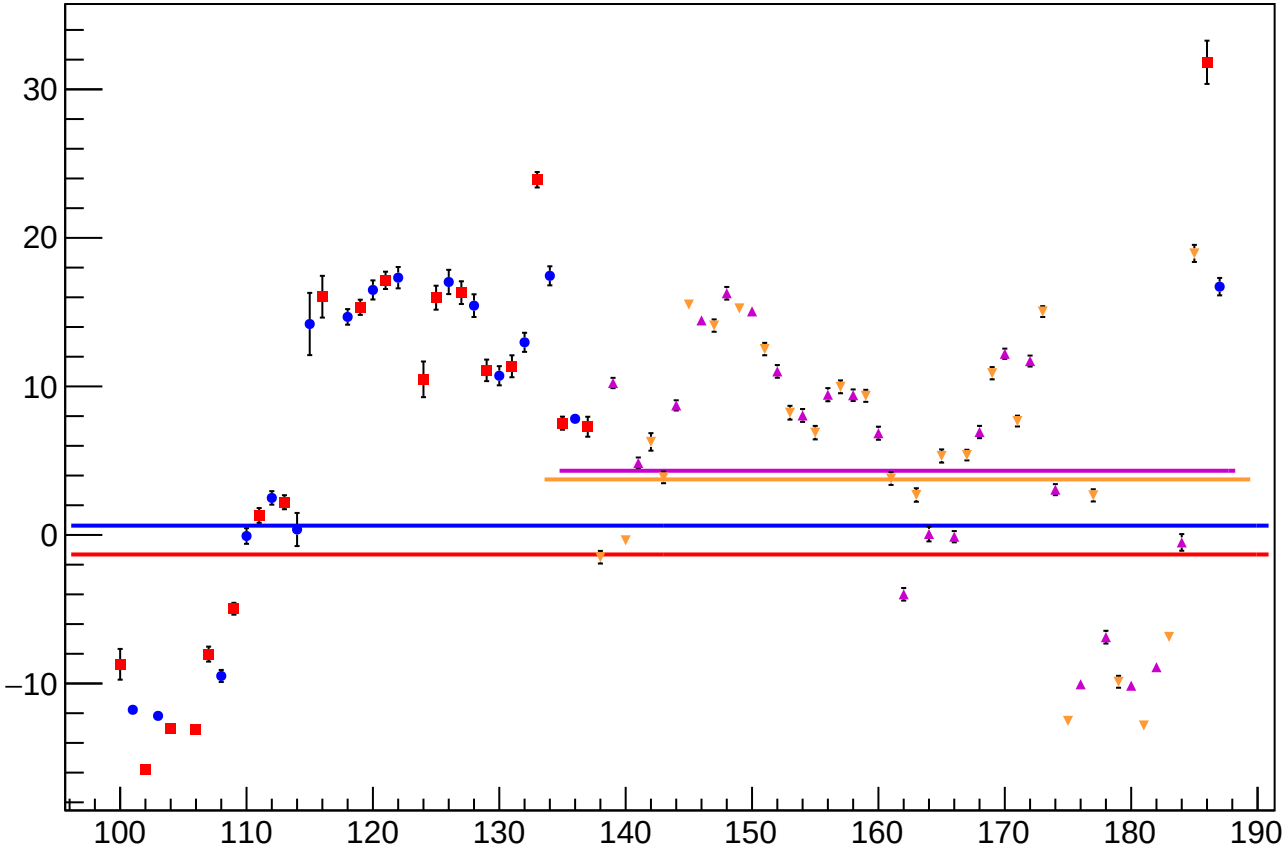
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 2.948+/-0.052 χ^2/NDF: 18854.8/41

All: 2.966+/-0.037 χ^2/NDF: 35053.0/84

- sign 2.985+/-0.053 χ^2/NDF: 16197.9/42

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 0.627+/-0.117 χ^2/NDF: 10056.6/16

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: -1.314+/-0.115 χ^2/NDF: 12651.1/19

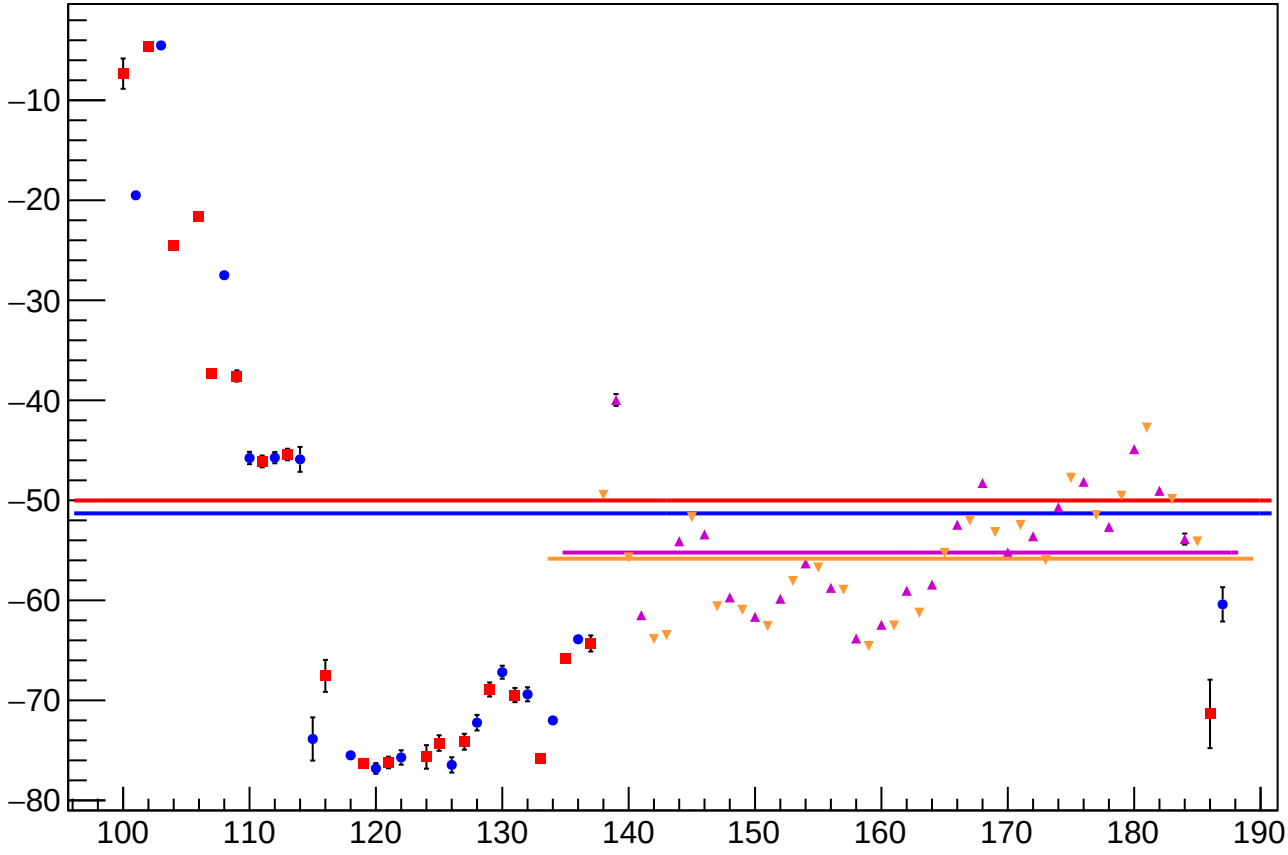
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 2.808+/-0.064 χ^2/NDF: 26139.0/41

All: 2.667+/-0.046 χ^2/NDF: 52925.9/84

- sign 2.522+/-0.065 χ^2/NDF: 26777.0/42

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -51.303+/-0.135 χ^2/NDF: 33793.7/16

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -50.014+/-0.131 χ^2/NDF: 33931.5/19

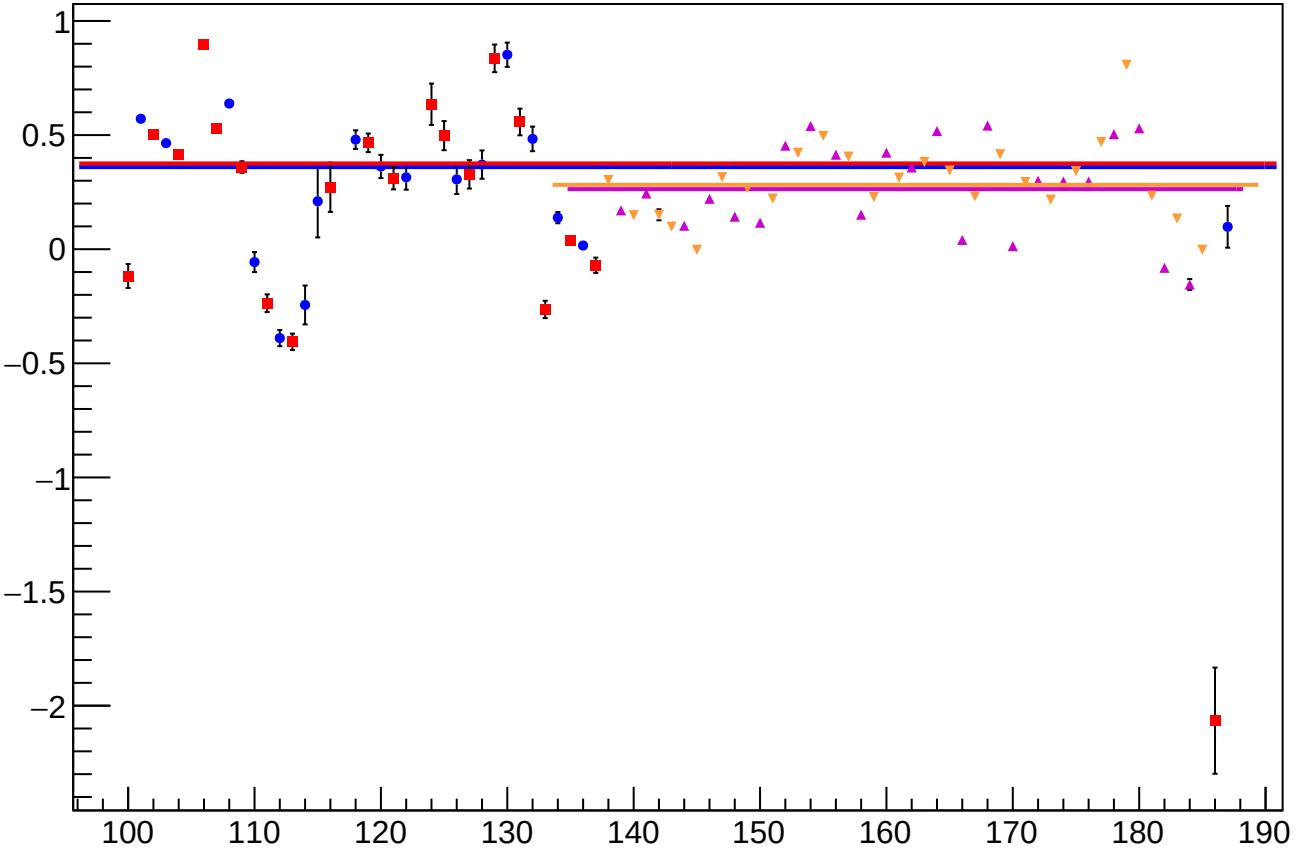
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -54.954+/-0.060 χ^2/NDF: 42288.9/41

All: -54.533+/-0.043 χ^2/NDF: 83911.6/84

- sign -54.093+/-0.061 χ^2/NDF: 41520.2/42

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.360+/-0.006 χ^2/NDF: 1868.2/16

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.376+/-0.006 χ^2/NDF: 2900.7/19

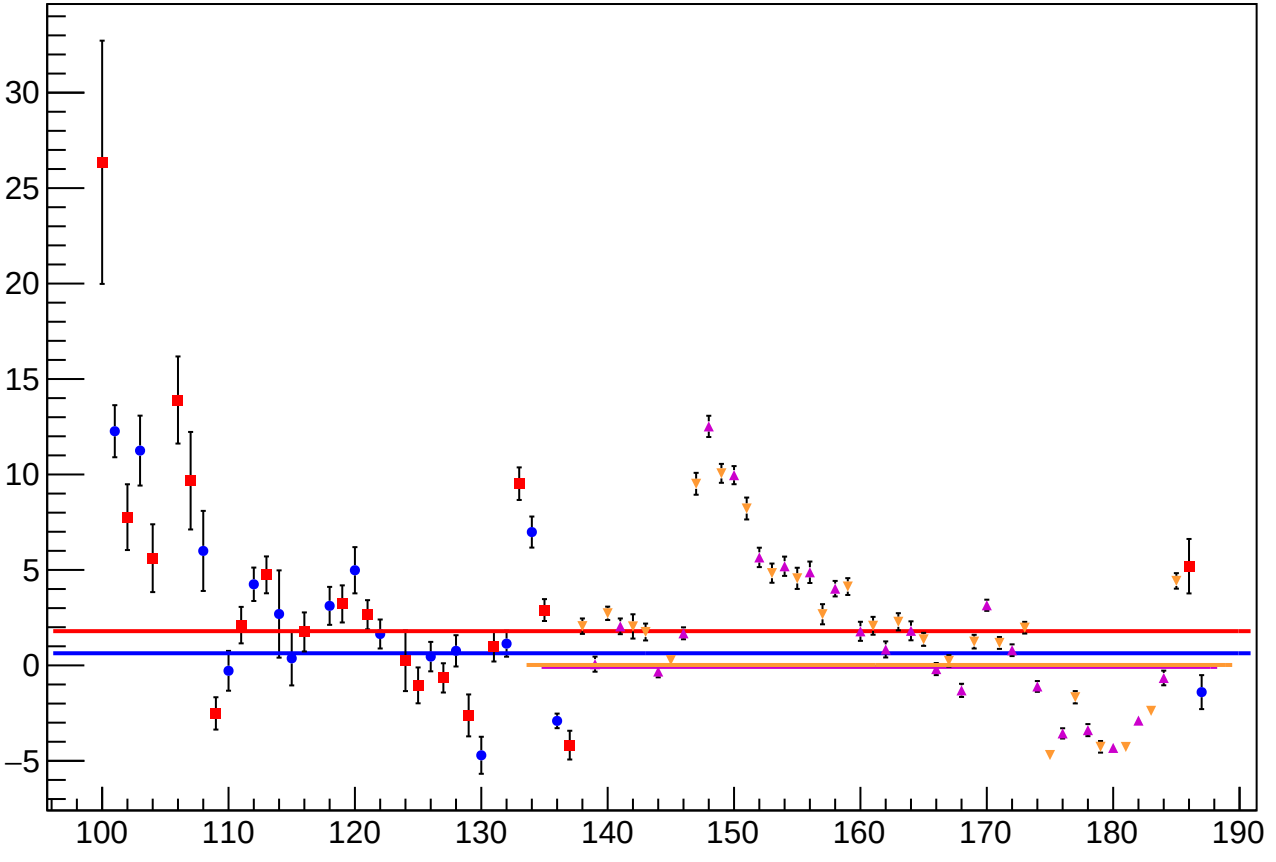
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.296+/-0.003 χ^2/NDF: 4702.8/41

All: 0.291+/-0.002 χ^2/NDF: 11719.5/84

- sign 0.286+/-0.003 χ^2/NDF: 7009.0/42

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.636+/-0.207 χ^2/NDF: 335.6/16

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.793+/-0.220 χ^2/NDF: 299.7/19

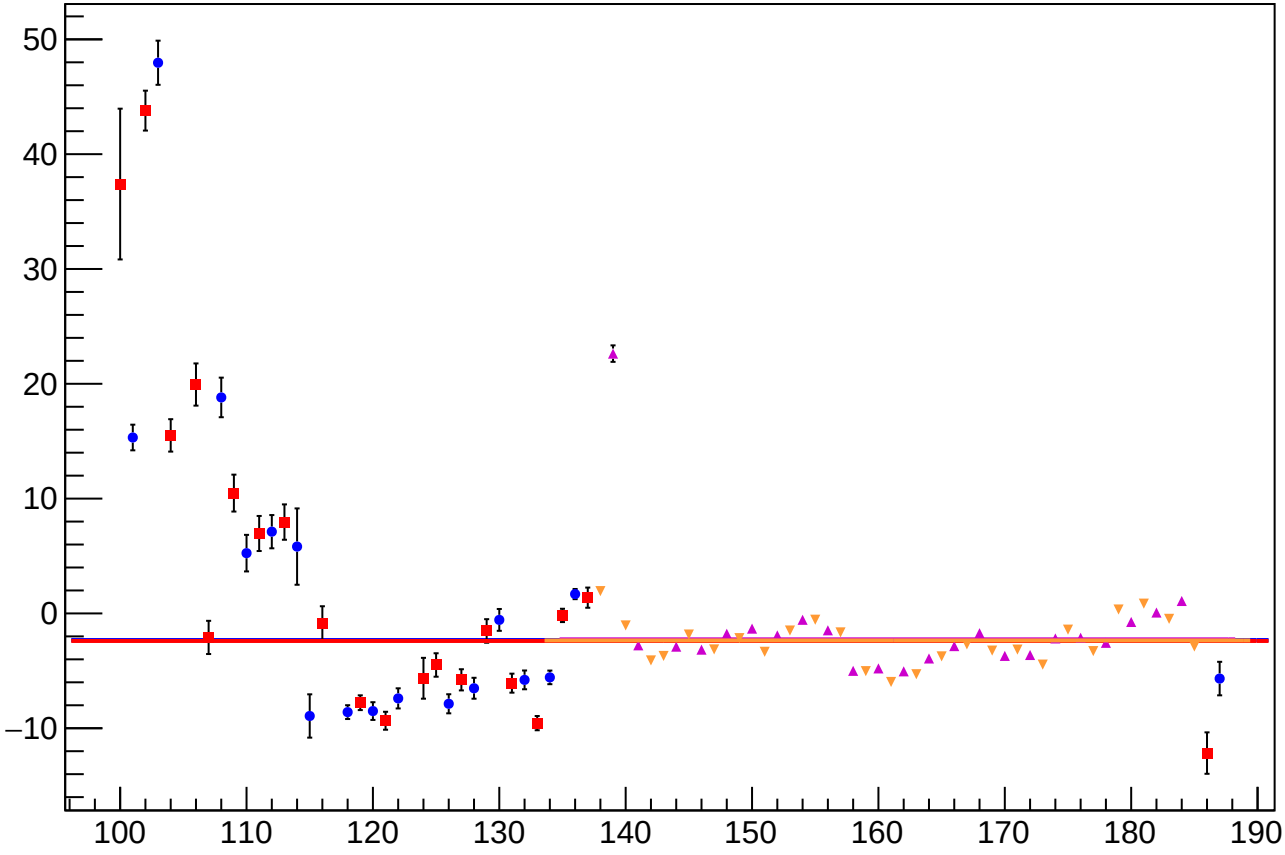
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

\+ sign 0.083+/-0.065 χ^2/NDF: 3102.9/41

All: 0.089+/-0.047 χ^2/NDF: 5932.7/84

\- sign 0.095+/-0.067 χ^2/NDF: 2829.8/42

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.318+/-0.213 χ^2/NDF: 1577.9/16

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -2.399+/-0.227 χ^2/NDF: 1585.4/19

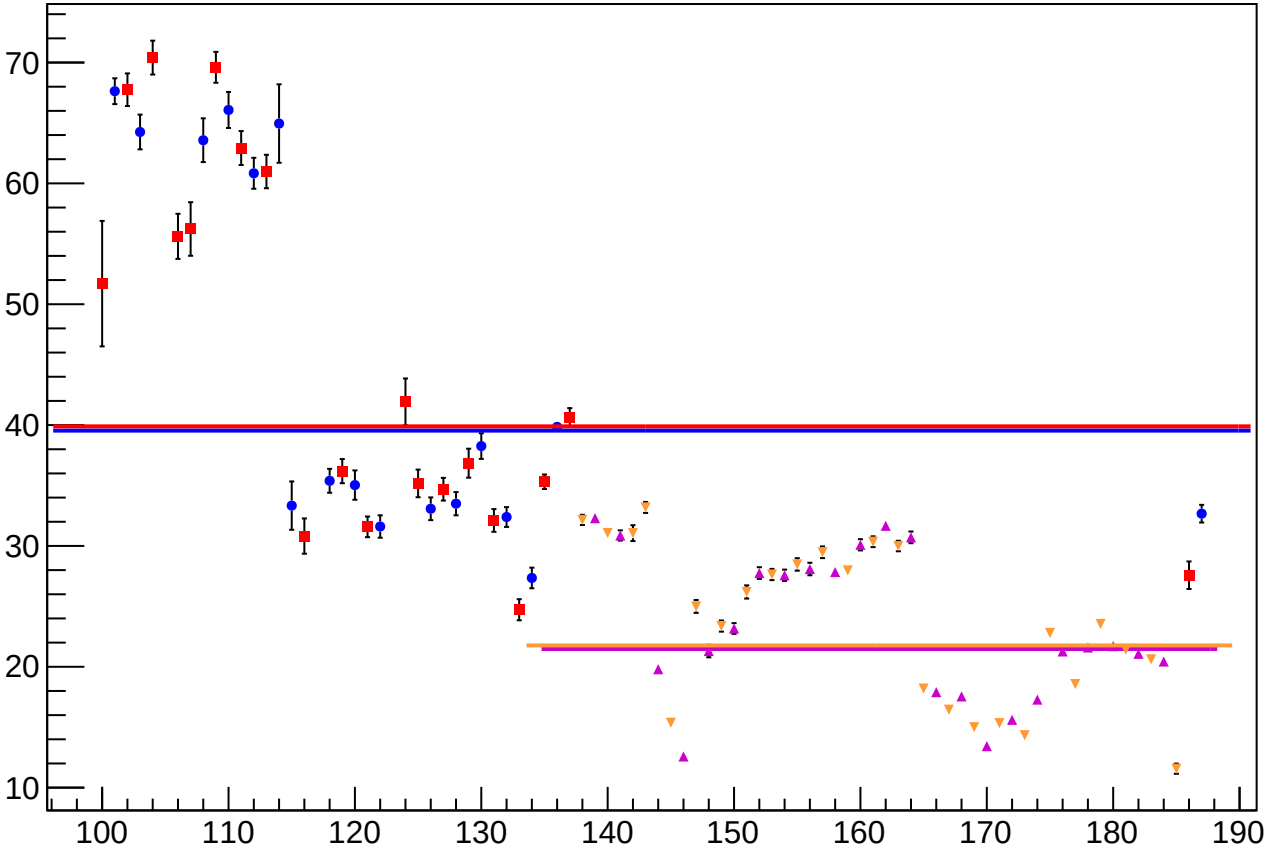
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -2.350+/-0.053 χ^2/NDF: 2703.6/41

All: -2.309+/-0.038 χ^2/NDF: 6167.8/84

- sign -2.265+/-0.055 χ^2/NDF: 3463.0/42

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 39.544+/-0.221 χ^2/NDF: 2388.3/16

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

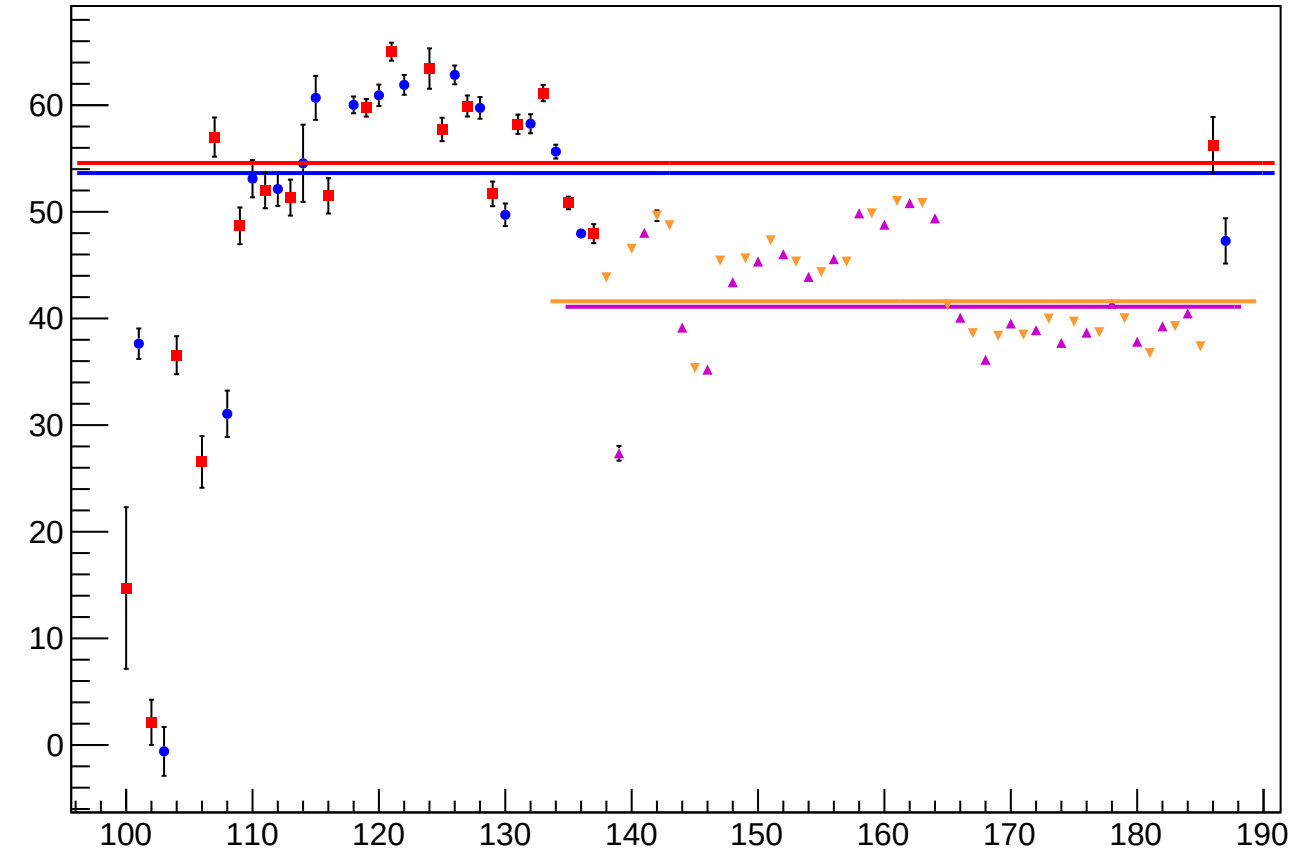
Right Out: 39.895+/-0.245 χ^2/NDF: 2820.6/19

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.346+/-0.066 χ^2/NDF: 15116.2/41

All: 23.125+/-0.047 χ^2/NDF: 28984.3/84

- sign 22.889+/-0.068 χ^2/NDF: 13844.7/42



Right In: 53.634+/-0.238 χ^2/NDF: 1371.8/16

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 54.580+/-0.255 χ^2/NDF: 1343.0/19

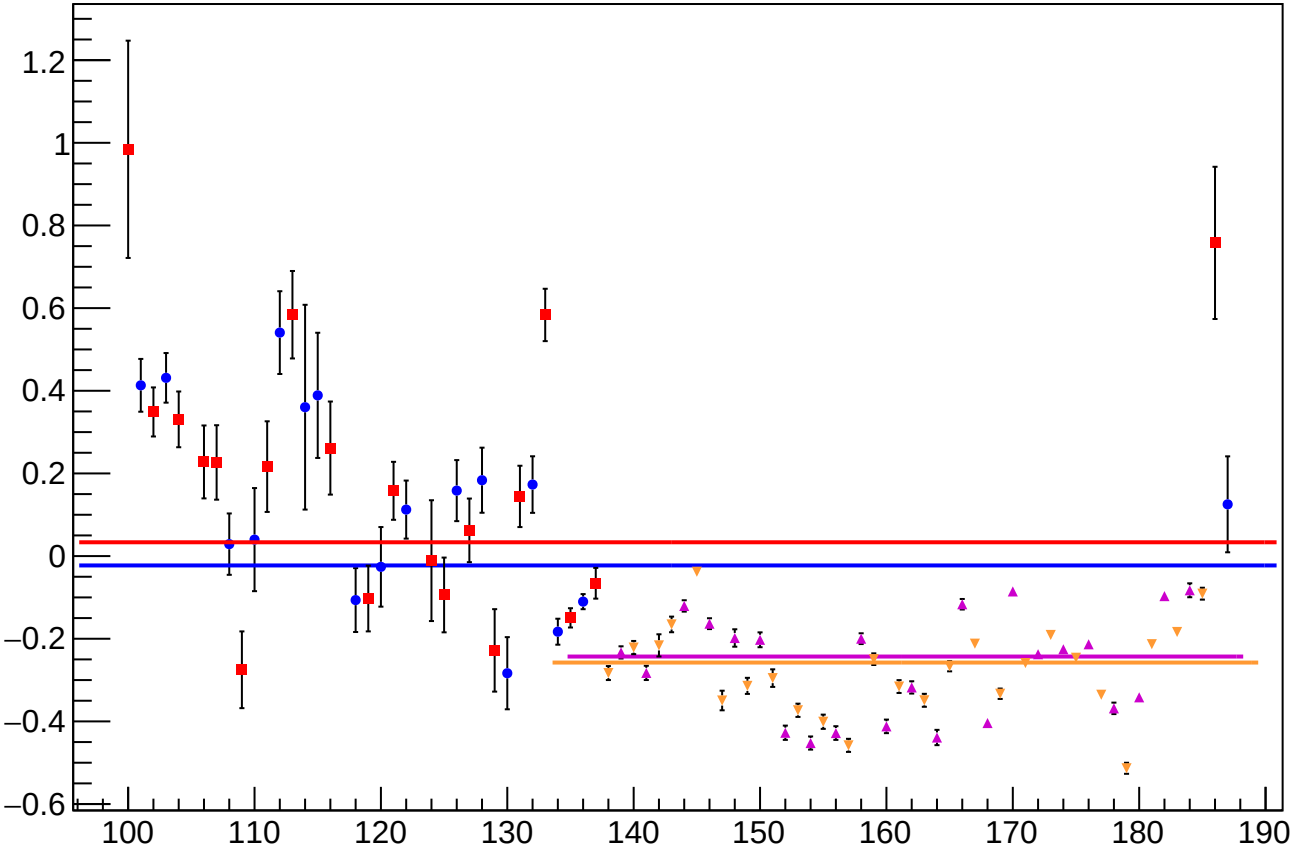
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.363+/-0.059 χ^2/NDF: 9549.9/41

All: 42.121+/-0.042 χ^2/NDF: 19042.5/84

- sign 41.866+/-0.061 χ^2/NDF: 9458.4/42

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.023+/-0.013 χ^2/NDF: 231.3/16

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

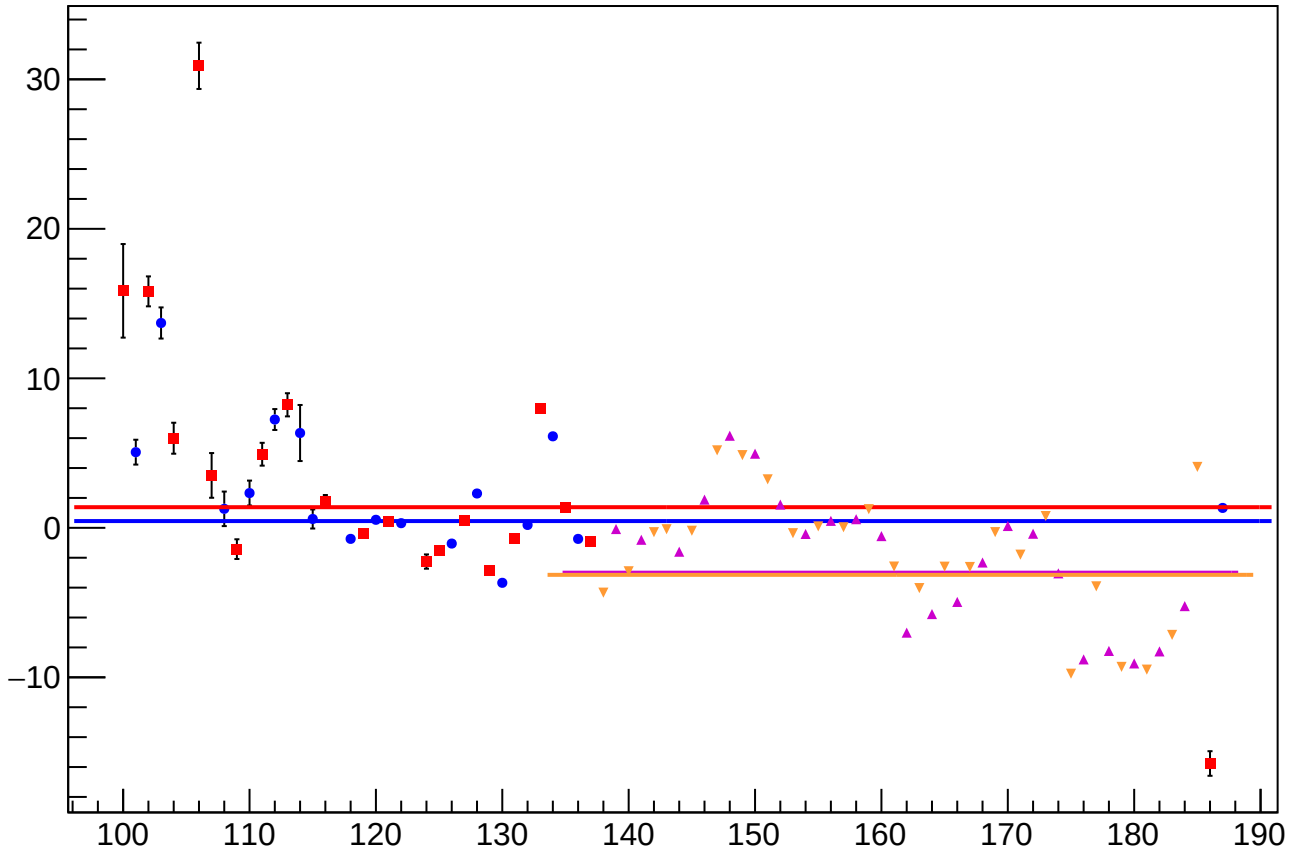
Right Out: 0.033+/-0.014 χ^2/NDF: 292.0/19

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.247+/-0.003 χ^2/NDF: 2072.4/41

All: -0.240+/-0.002 χ^2/NDF: 4555.5/84

- sign -0.233+/-0.003 χ^2/NDF: 2468.7/42



Right In: 0.452+/-0.075 χ^2/NDF: 1105.9/16

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 1.381+/-0.078 χ^2/NDF: 2849.2/19

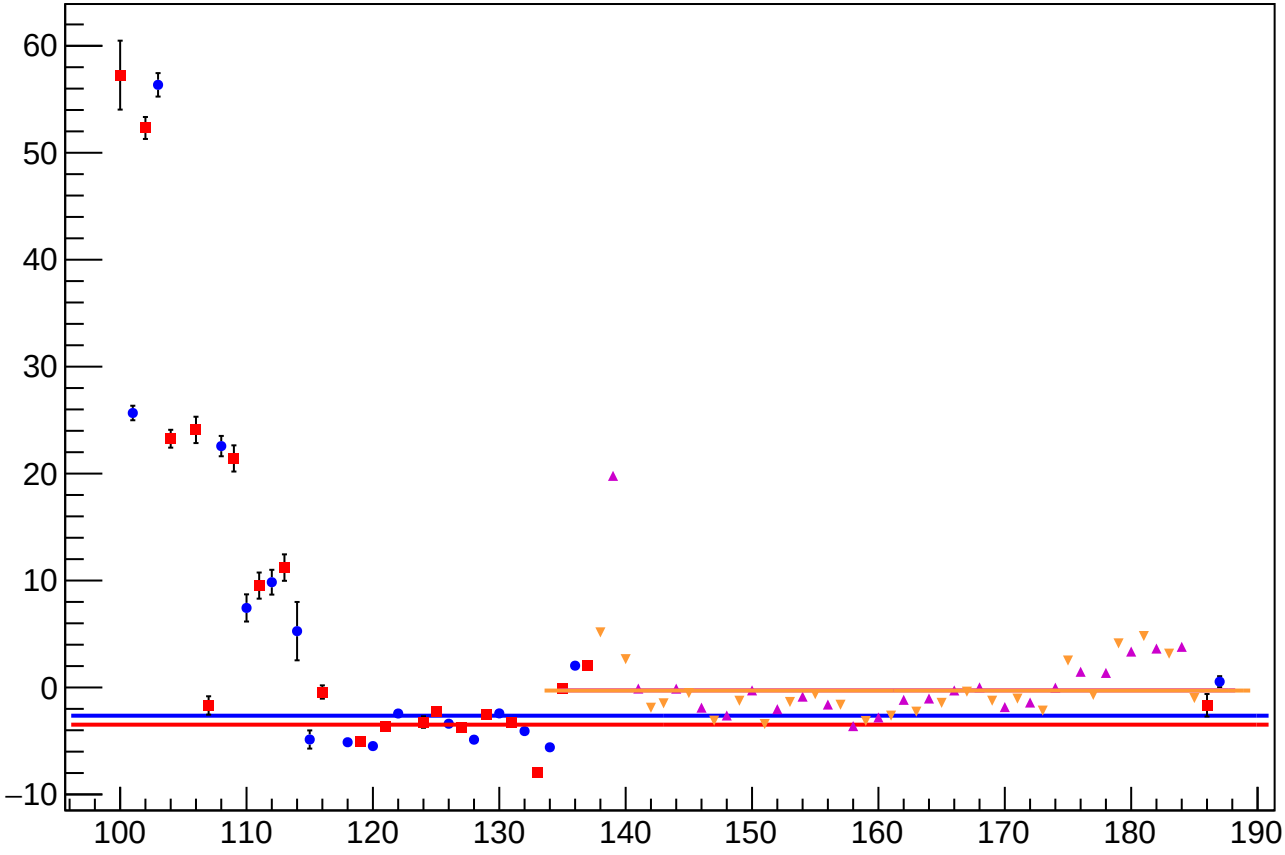
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.710+/-0.026 χ^2/NDF: 28497.3/41

All: -2.599+/-0.019 χ^2/NDF: 56602.6/84

- sign -2.483+/-0.027 χ^2/NDF: 28068.2/42

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: -2.639+/-0.070 χ^2/NDF: 7142.7/16

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: -3.477+/-0.071 χ^2/NDF: 7162.9/19

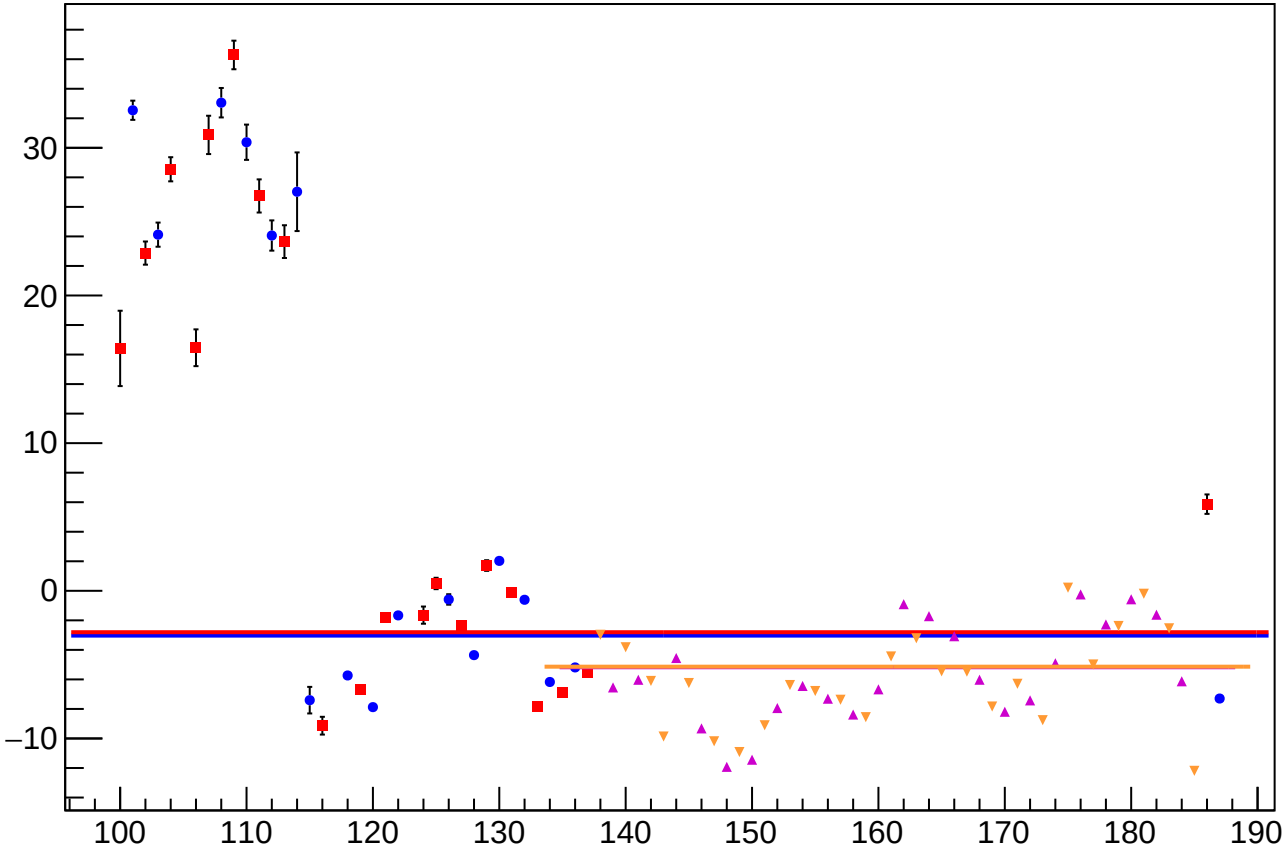
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign -0.495+/-0.021 χ^2/NDF: 20367.2/41

All: -0.528+/-0.015 χ^2/NDF: 42626.7/84

- sign -0.561+/-0.021 χ^2/NDF: 22254.6/42

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -3.033+/-0.079 χ^2/NDF: 8467.9/16

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -2.804+/-0.084 χ^2/NDF: 8372.9/19

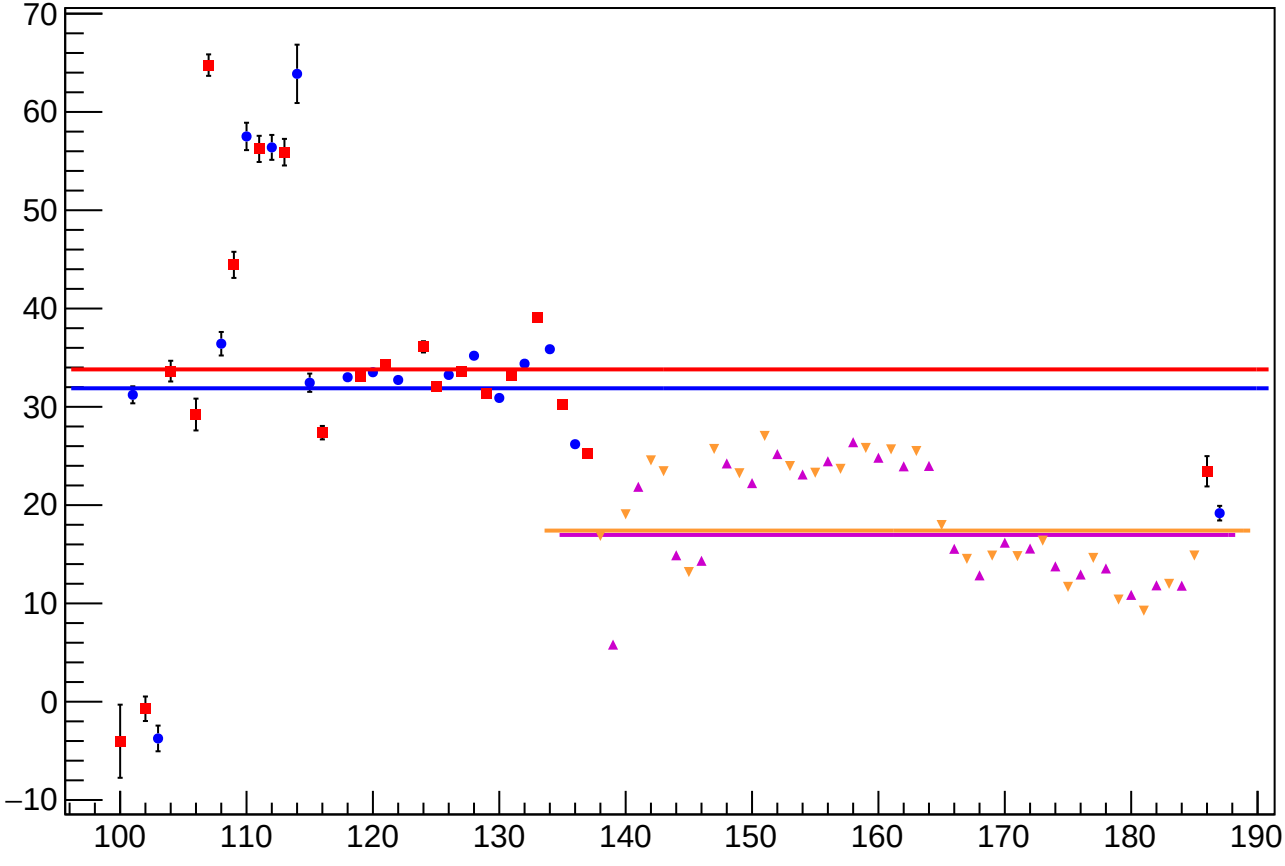
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -4.906+/-0.026 χ^2/NDF: 23725.5/41

All: -4.920+/-0.019 χ^2/NDF: 46775.4/84

- sign -4.935+/-0.027 χ^2/NDF: 23049.3/42

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 31.886+/-0.081 χ^2/NDF: 3550.3/16

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 33.808+/-0.082 χ^2/NDF: 4283.1/19

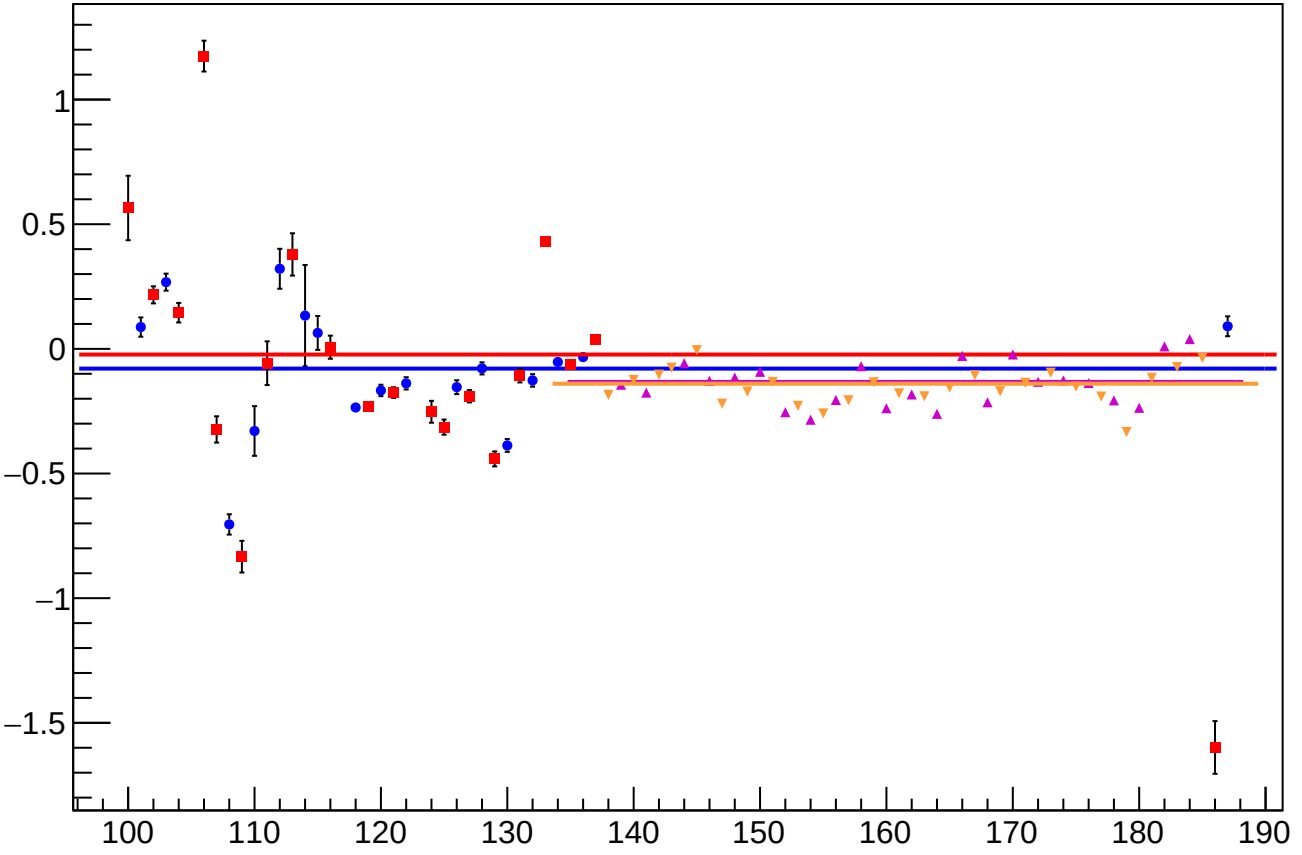
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 18.623+/-0.023 χ^2/NDF: 83587.8/41

All: 18.522+/-0.017 χ^2/NDF: 166868.7/84

- sign 18.416+/-0.024 χ^2/NDF: 83242.7/42

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079+/-0.005 χ^2/NDF: 707.7/16

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

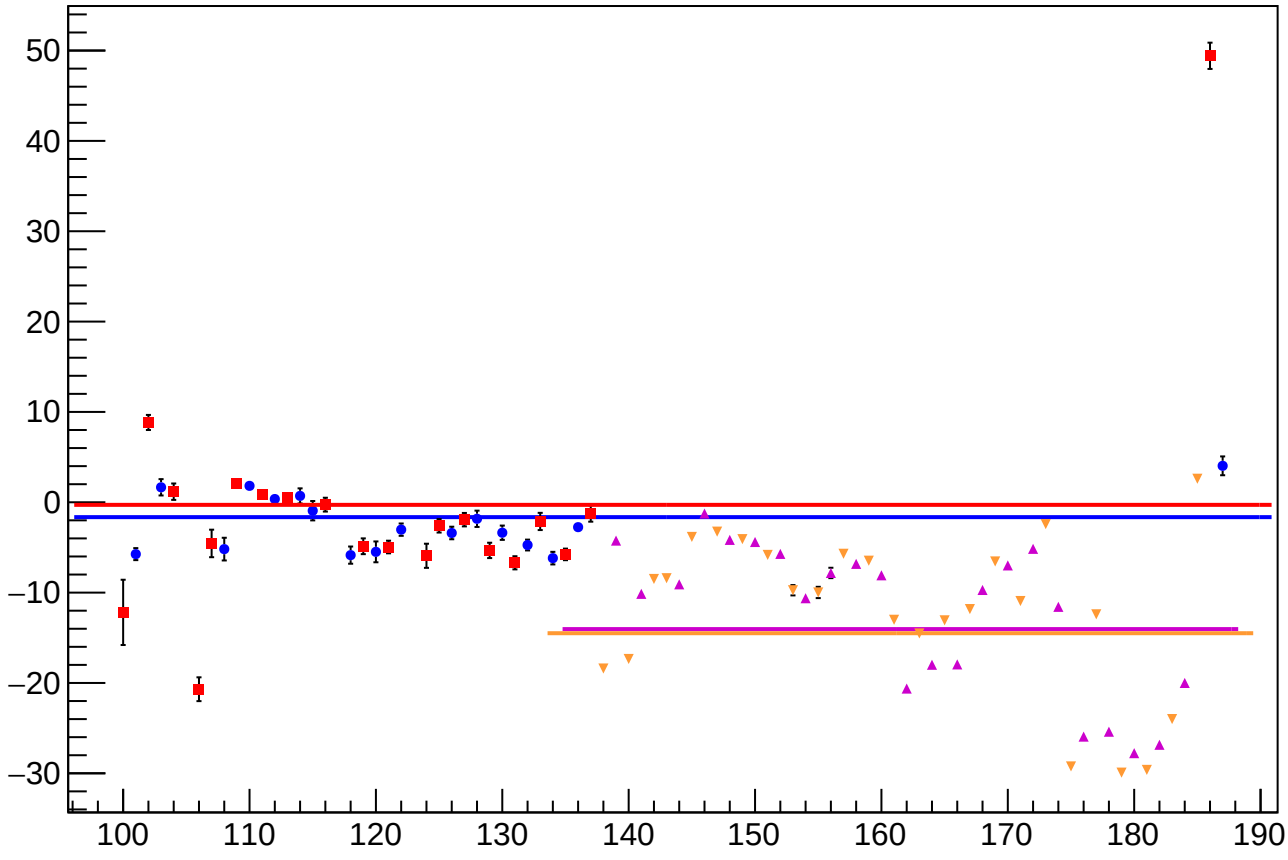
Right Out: -0.023+/-0.005 χ^2/NDF: 2496.6/19

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.137+/-0.001 χ^2/NDF: 4967.2/41

All: -0.132+/-0.001 χ^2/NDF: 13455.4/84

- sign -0.128+/-0.001 χ^2/NDF: 8453.3/42



Right In: -1.646+/-0.155 χ^2/NDF: 328.1/16

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.286+/-0.148 χ^2/NDF: 1915.2/19

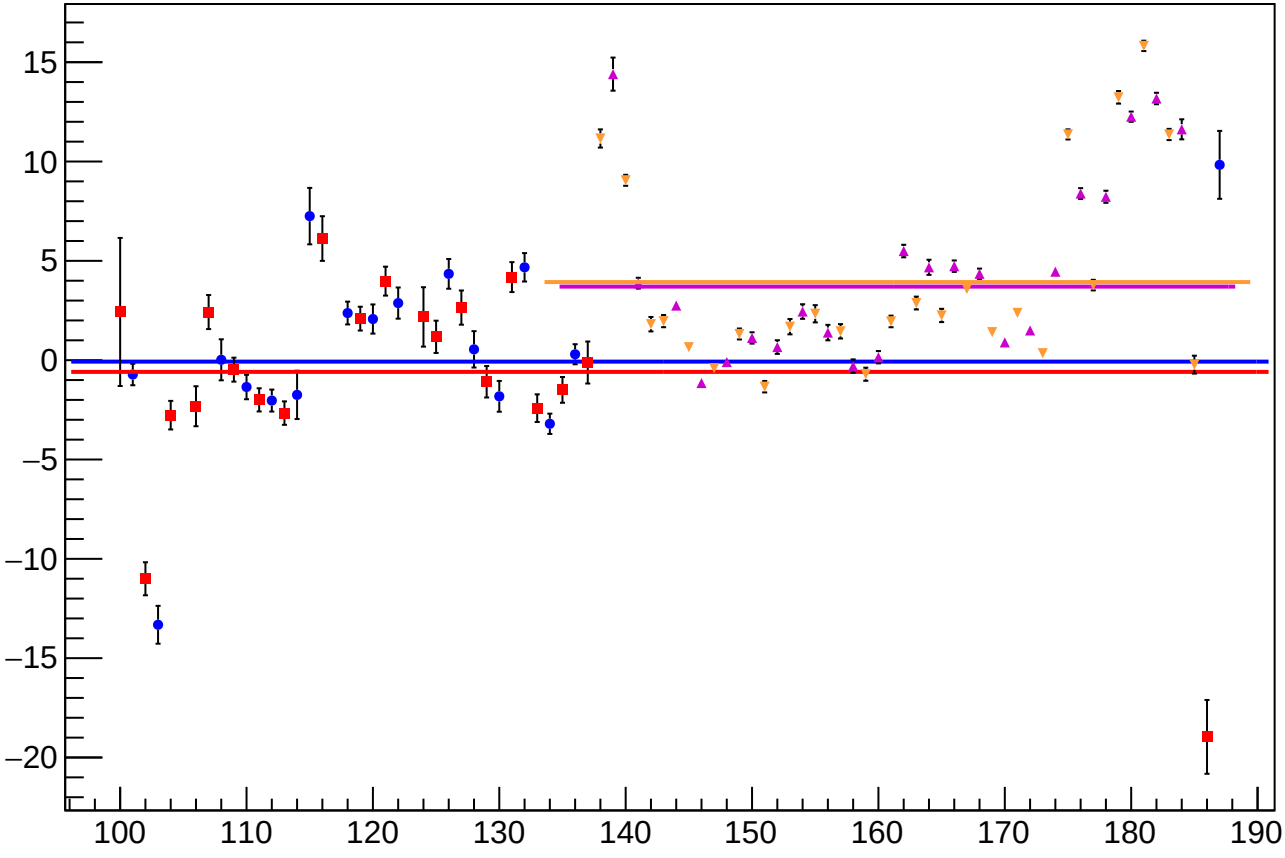
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

\+ sign -12.078+/-0.067 χ^2/NDF: 23113.4/41

All: -11.597+/-0.048 χ^2/NDF: 45448.7/84

\- sign -11.106+/-0.068 χ^2/NDF: 22232.2/42

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: -0.072+/-0.172 χ^2/NDF: 437.1/16

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

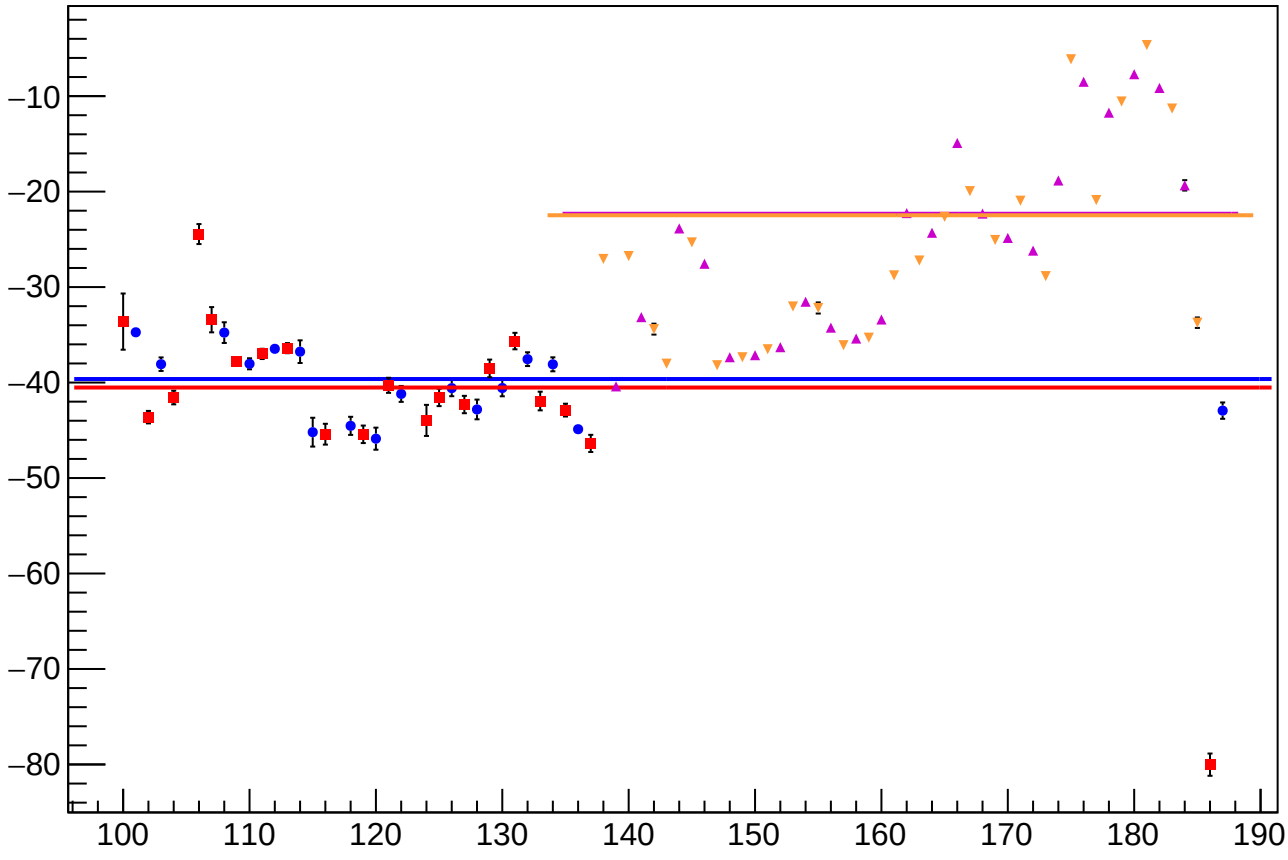
Right Out: -0.589+/-0.176 χ^2/NDF: 465.0/19

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.525+/-0.055 χ^2/NDF: 7902.5/41

All: 3.399+/-0.039 χ^2/NDF: 13698.4/84

- sign 3.268+/-0.056 χ^2/NDF: 5785.2/42



Right In: -39.630+/-0.176 χ^2/NDF: 424.9/16

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -40.521+/-0.179 χ^2/NDF: 1728.2/19

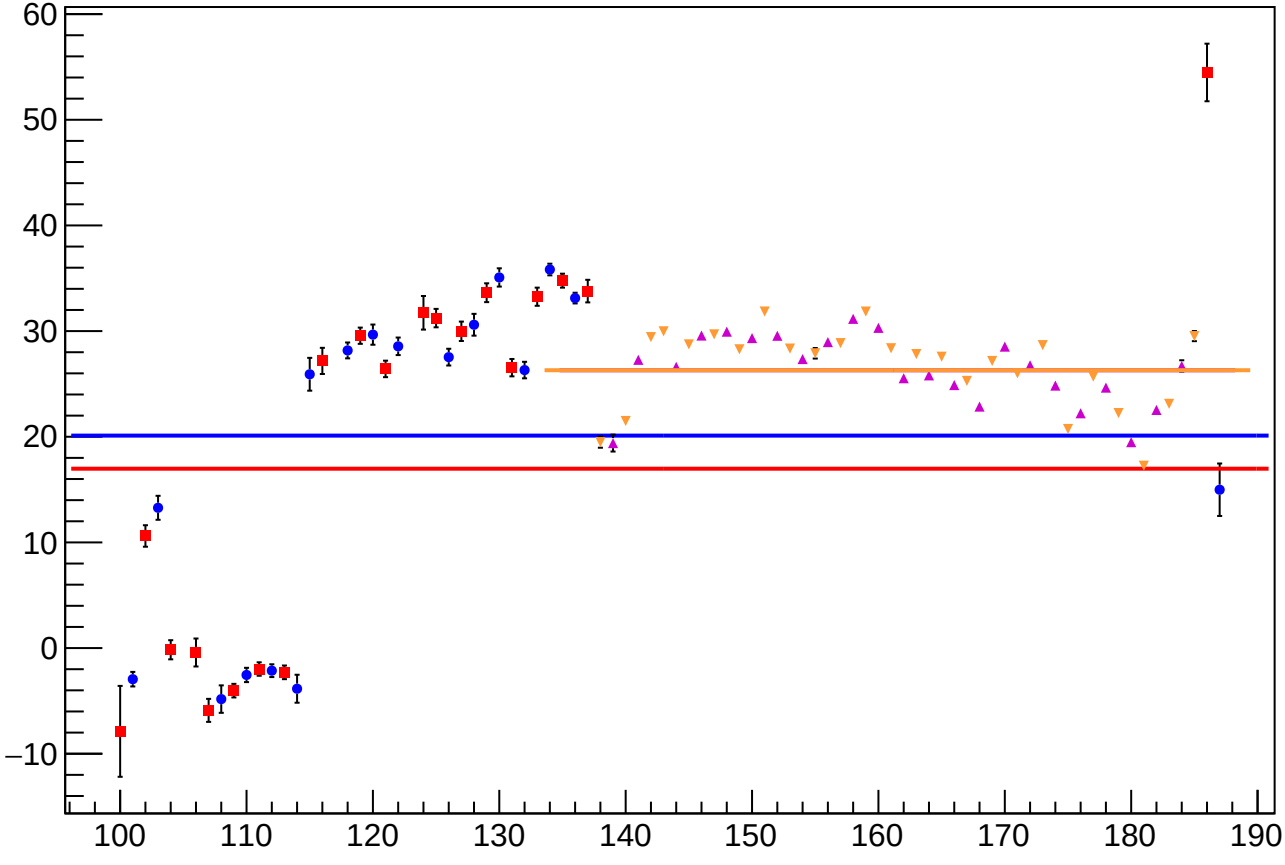
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.092+/-0.069 χ^2/NDF: 28859.9/41

All: -25.116+/-0.049 χ^2/NDF: 56472.8/84

- sign -25.142+/-0.070 χ^2/NDF: 27612.6/42

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 20.109+/-0.194 χ^2/NDF: 6688.9/16

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.976+/-0.199 χ^2/NDF: 6929.4/19

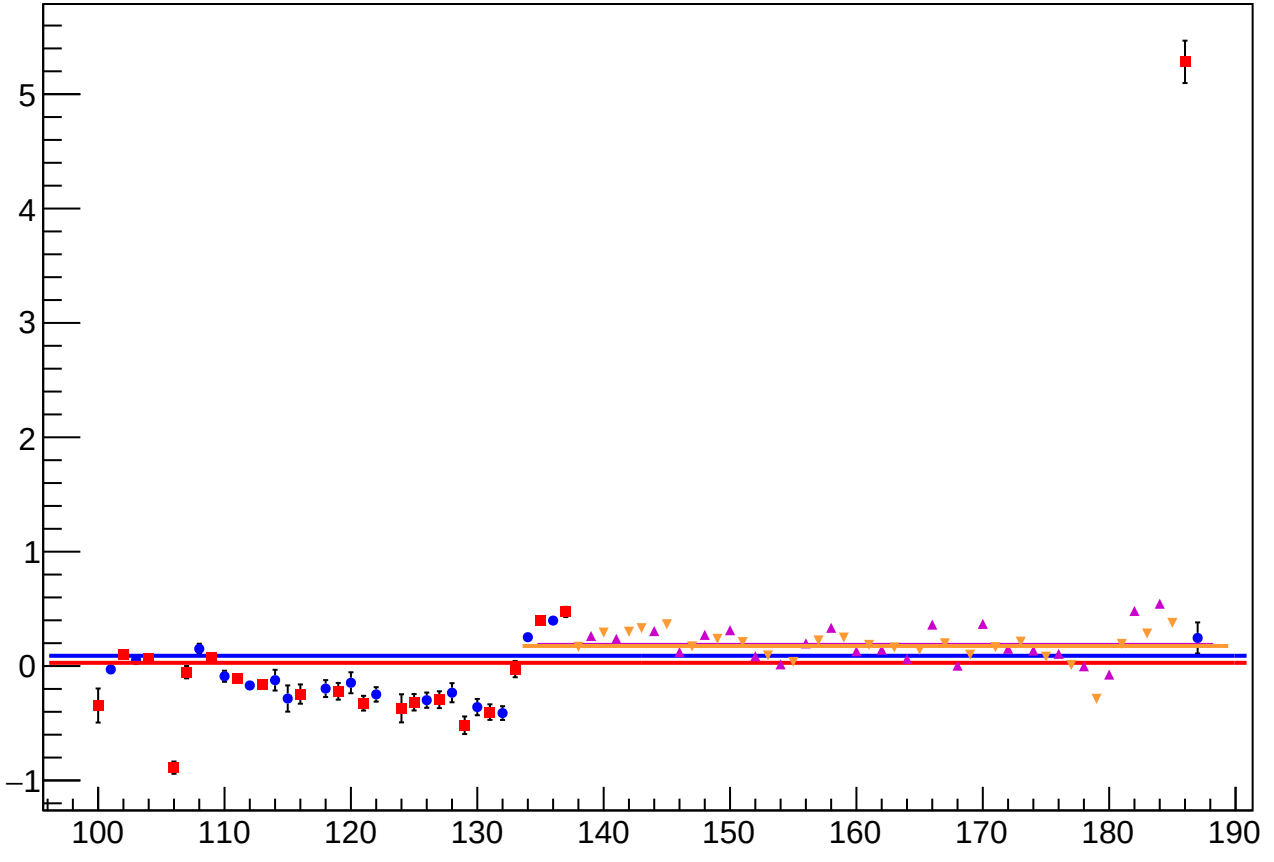
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.671+/-0.062 χ^2/NDF: 10910.0/41

All: 25.516+/-0.044 χ^2/NDF: 22005.5/84

- sign 25.354+/-0.063 χ^2/NDF: 11082.7/42

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.090+/-0.010 χ^2/NDF: 565.3/16

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

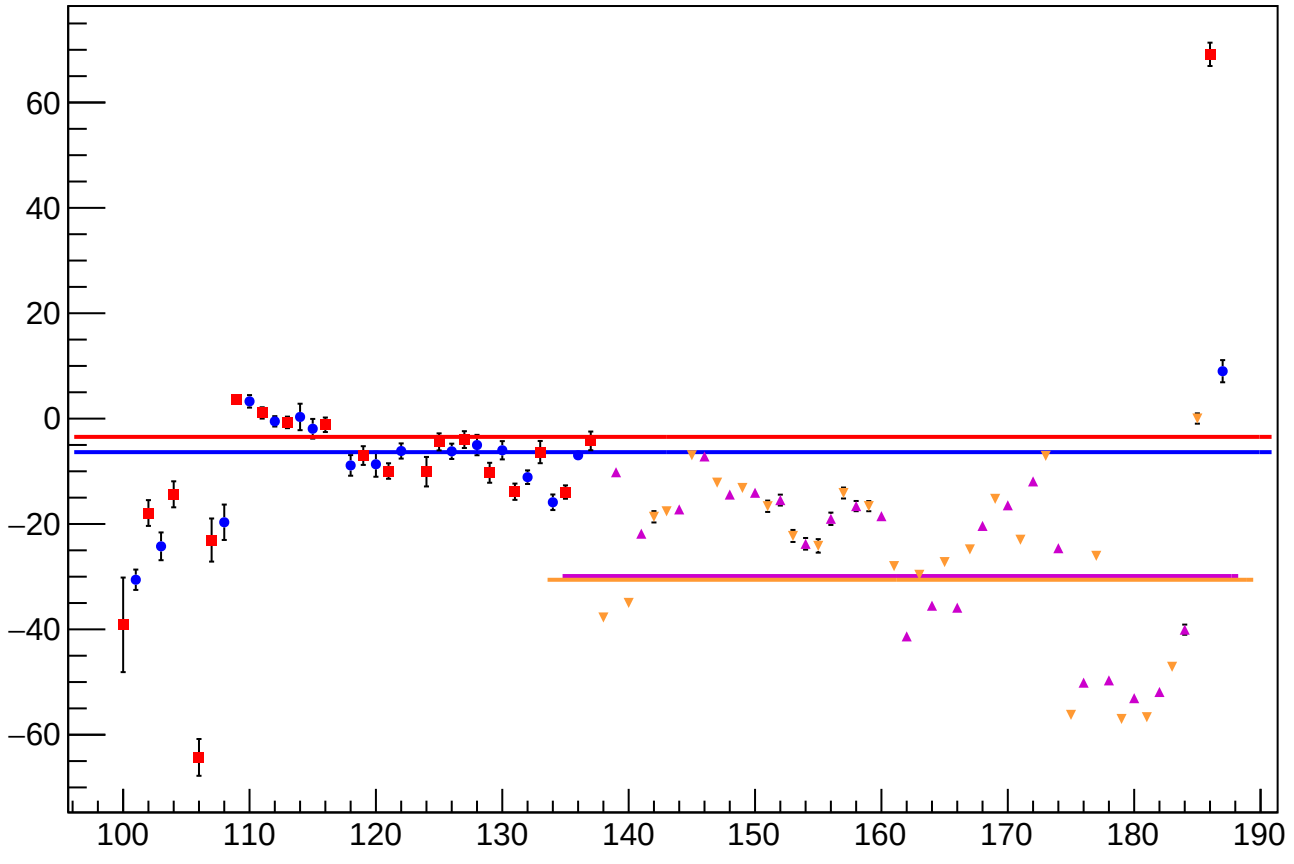
Right Out: 0.028+/-0.011 χ^2/NDF: 1641.4/19

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.169+/-0.003 χ^2/NDF: 2564.2/41

All: 0.172+/-0.002 χ^2/NDF: 6935.0/84

- sign 0.174+/-0.003 χ^2/NDF: 4369.3/42



Right In: -6.363+/-0.370 χ^2/NDF: 445.1/16

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -3.466+/-0.364 χ^2/NDF: 1711.6/19

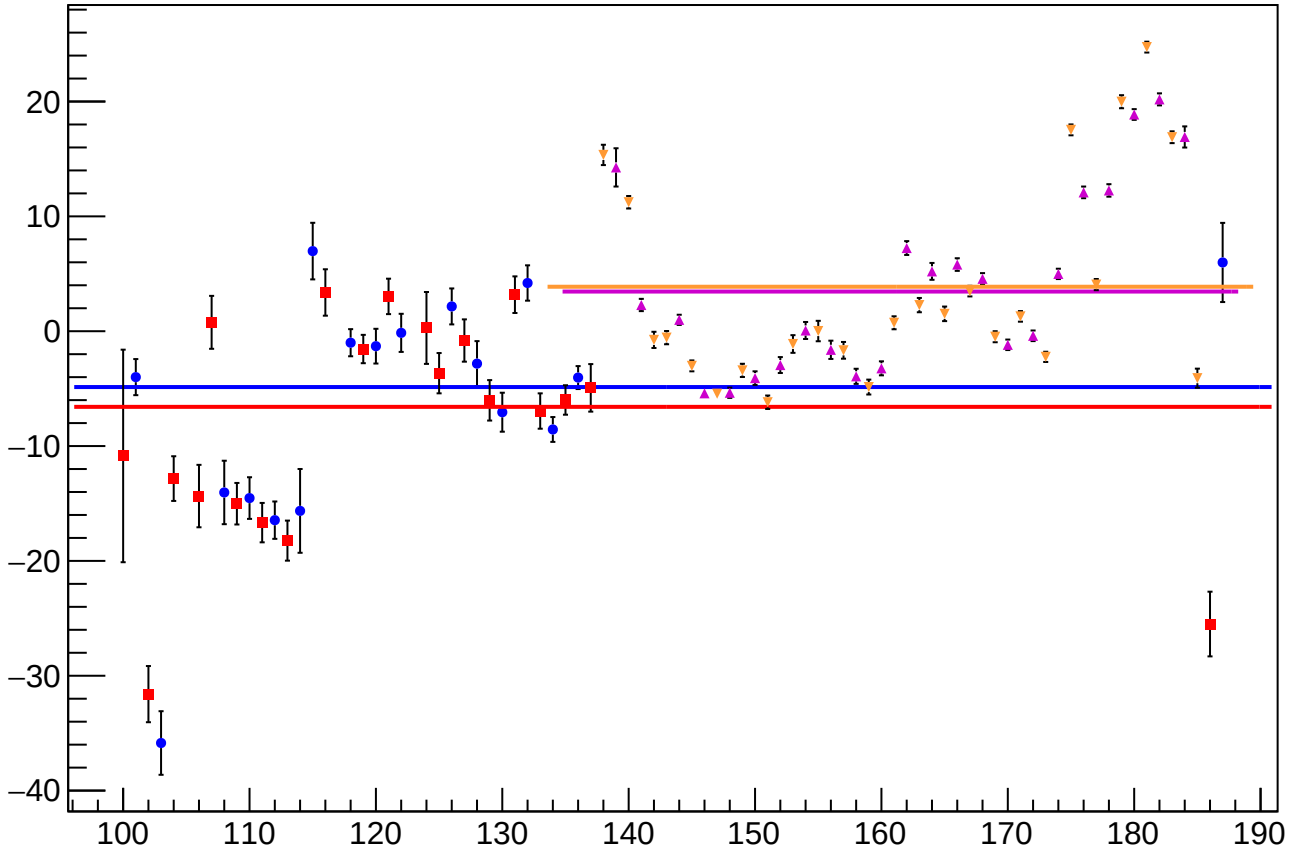
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.469+/-0.133 χ^2/NDF: 20230.5/41

All: -26.852+/-0.095 χ^2/NDF: 38554.8/84

- sign -26.208+/-0.136 χ^2/NDF: 18280.1/42

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -4.862+/-0.393 χ^2/NDF: 351.8/16

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -6.586+/-0.412 χ^2/NDF: 415.2/19

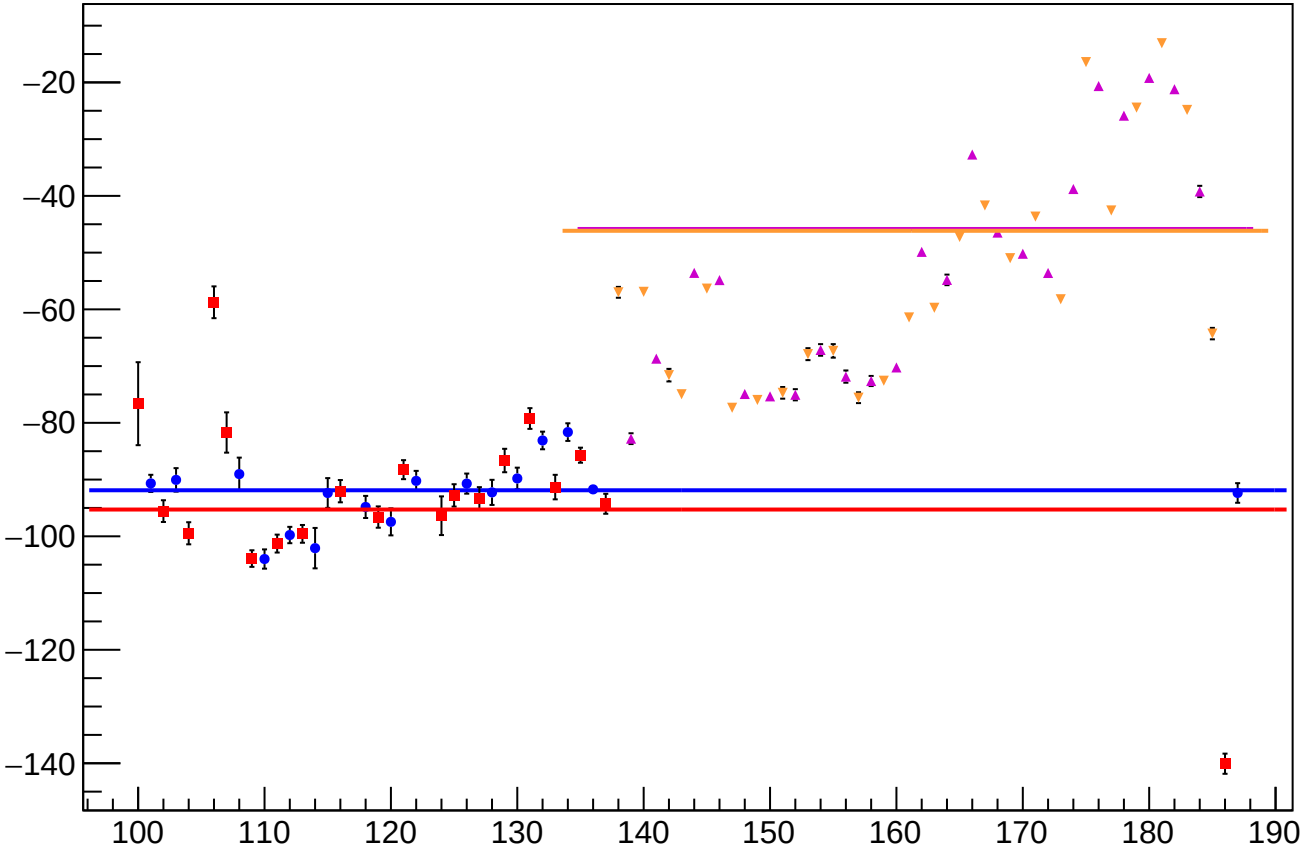
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.225+/-0.107 χ^2/NDF: 7351.7/41

All: 2.990+/-0.077 χ^2/NDF: 13022.2/84

- sign 2.743+/-0.110 χ^2/NDF: 5660.6/42

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -91.885+/-0.412 χ^2/NDF: 177.4/16

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -95.280+/-0.426 χ^2/NDF: 1062.0/19

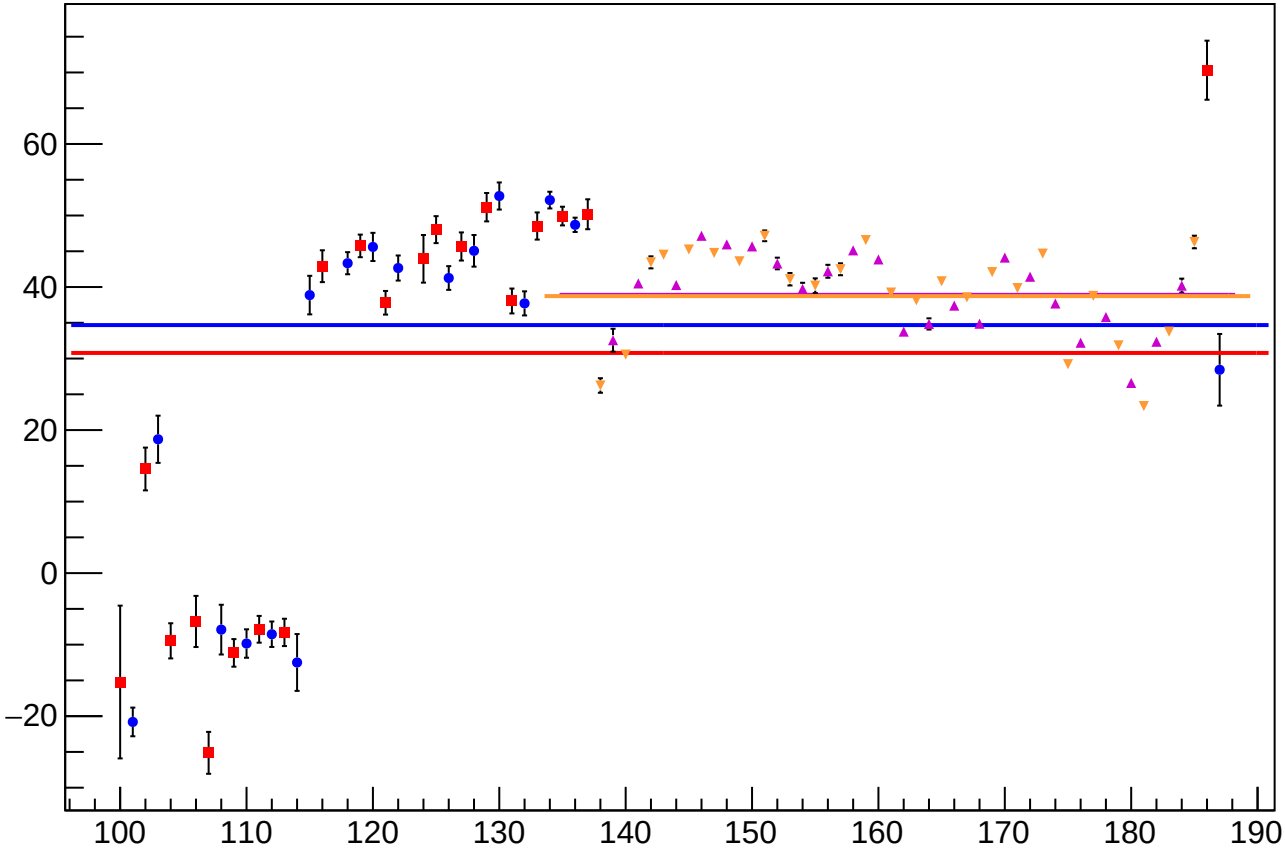
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.037+/-0.135 χ^2/NDF: 32646.8/41

All: -51.030+/-0.096 χ^2/NDF: 63669.0/84

- sign -51.023+/-0.138 χ^2/NDF: 31022.2/42

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 34.680+/-0.440 χ^2/NDF: 2810.7/16

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.785+/-0.464 χ^2/NDF: 3004.1/19

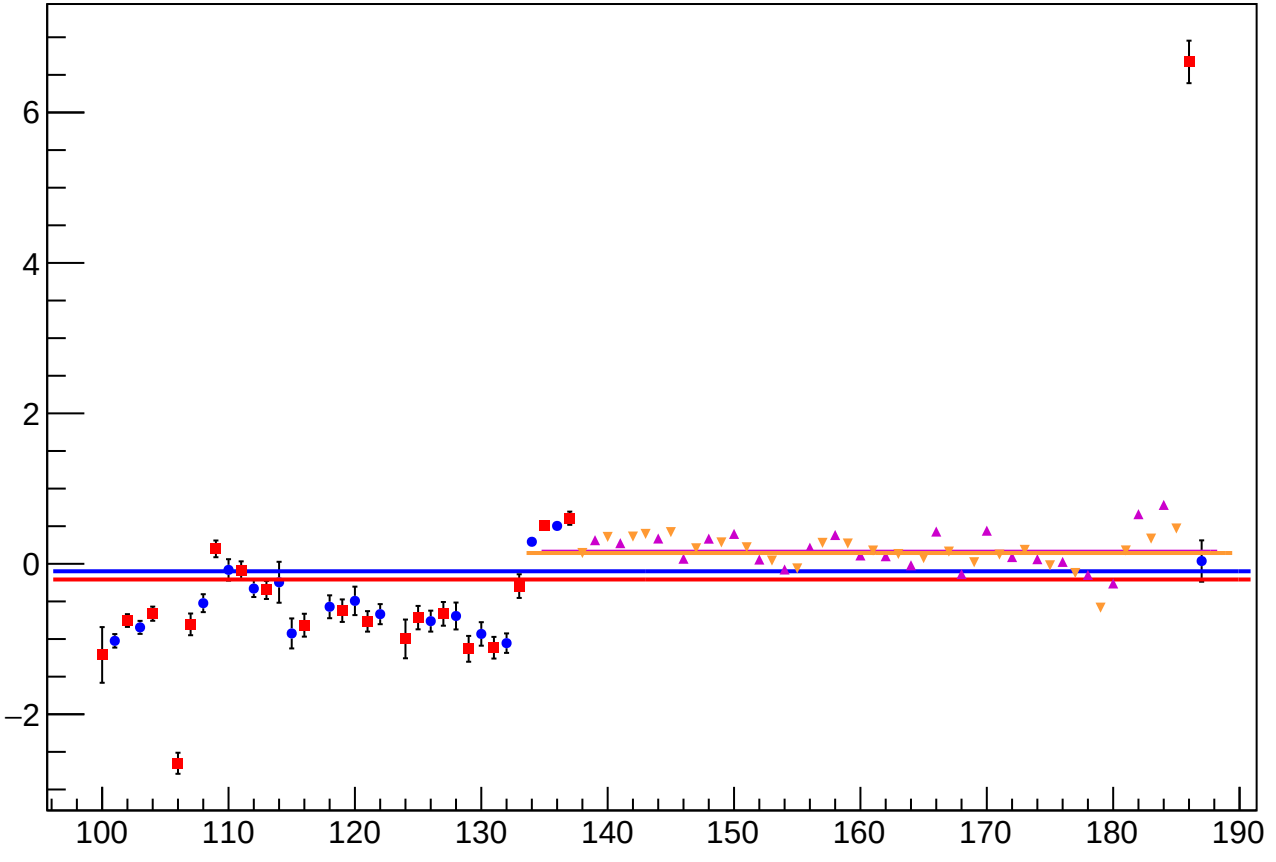
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.430+/-0.120 χ^2/NDF: 5670.8/41

All: 38.384+/-0.086 χ^2/NDF: 10931.3/84

- sign 38.336+/-0.123 χ^2/NDF: 5260.3/42

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.099+/-0.024 χ^2/NDF: 631.7/16

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

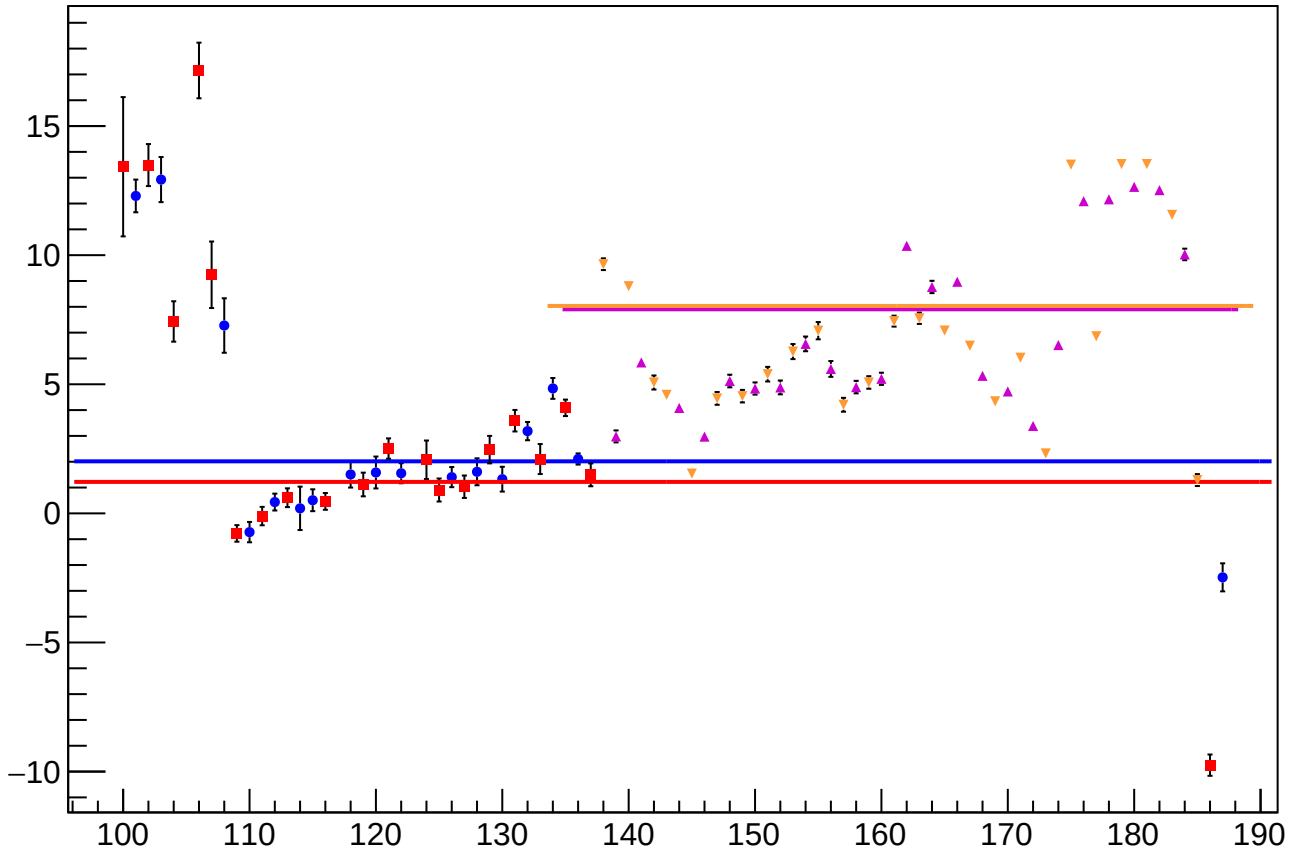
Right Out: -0.208+/-0.026 χ^2/NDF: 1420.8/19

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.131+/-0.005 χ^2/NDF: 2172.2/41

All: 0.138+/-0.004 χ^2/NDF: 5704.6/84

- sign 0.145+/-0.006 χ^2/NDF: 3529.4/42



Right In: 2.016+/-0.103 χ^2/NDF: 670.3/16

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

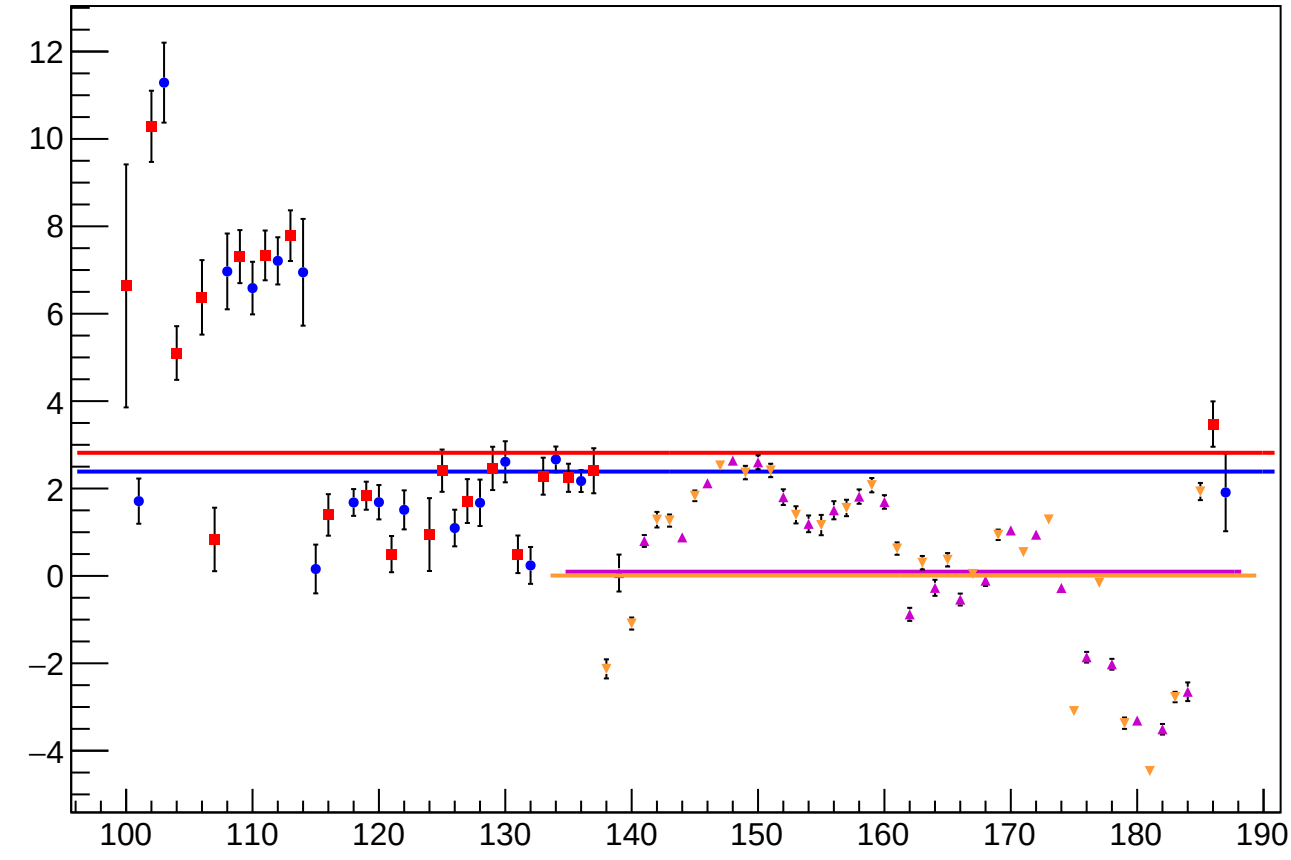
Right Out: 1.219+/-0.102 χ^2/NDF: 1470.3/19

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.420+/-0.033 χ^2/NDF: 17655.9/41

All: 7.300+/-0.024 χ^2/NDF: 32981.8/84

- sign 7.172+/-0.034 χ^2/NDF: 15298.1/42



Right In: 2.387+/-0.108 χ^2/NDF: 334.2/16

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.818+/-0.113 χ^2/NDF: 412.6/19

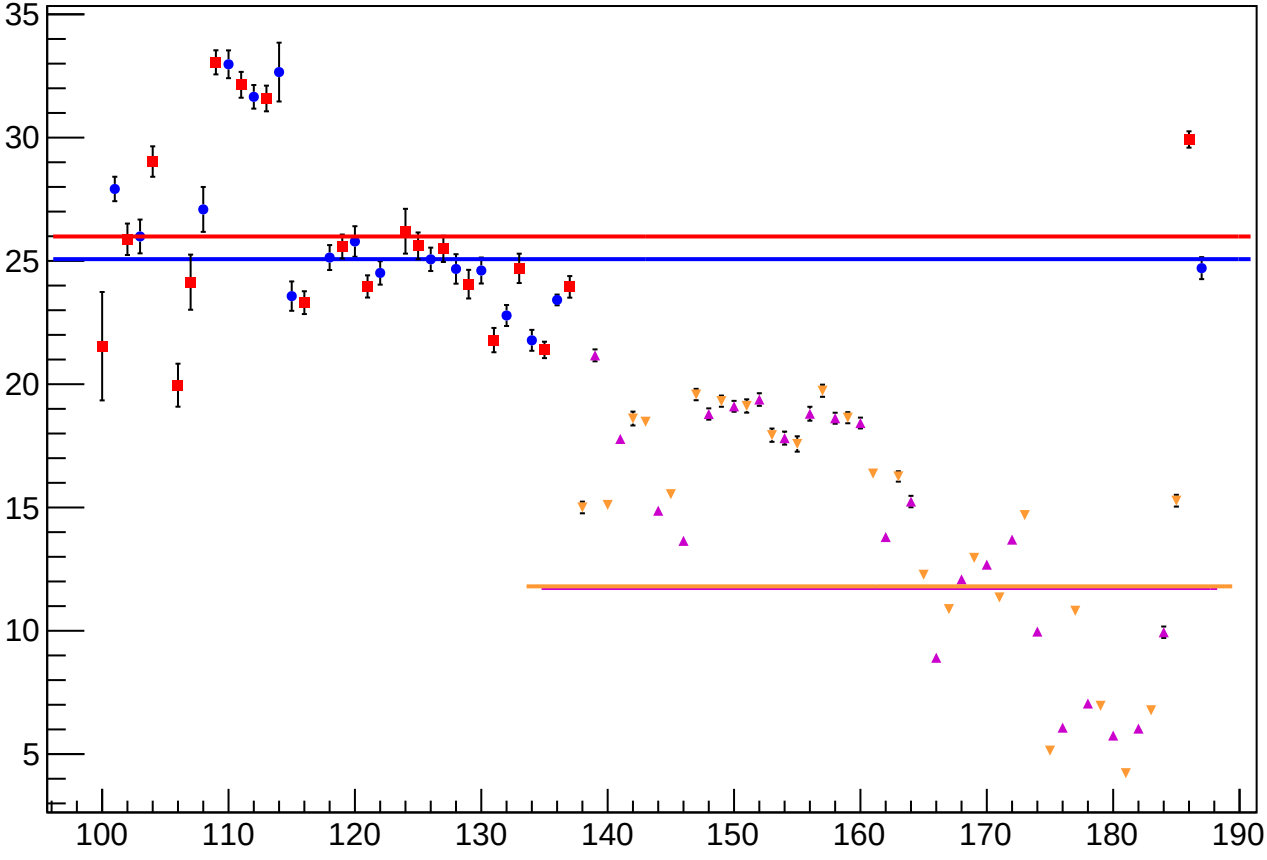
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.154+/-0.027 χ^2/NDF: 6554.6/41

All: 0.203+/-0.019 χ^2/NDF: 11952.6/84

- sign 0.255+/-0.027 χ^2/NDF: 5391.1/42

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 25.071+/-0.114 χ^2/NDF: 623.6/16

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

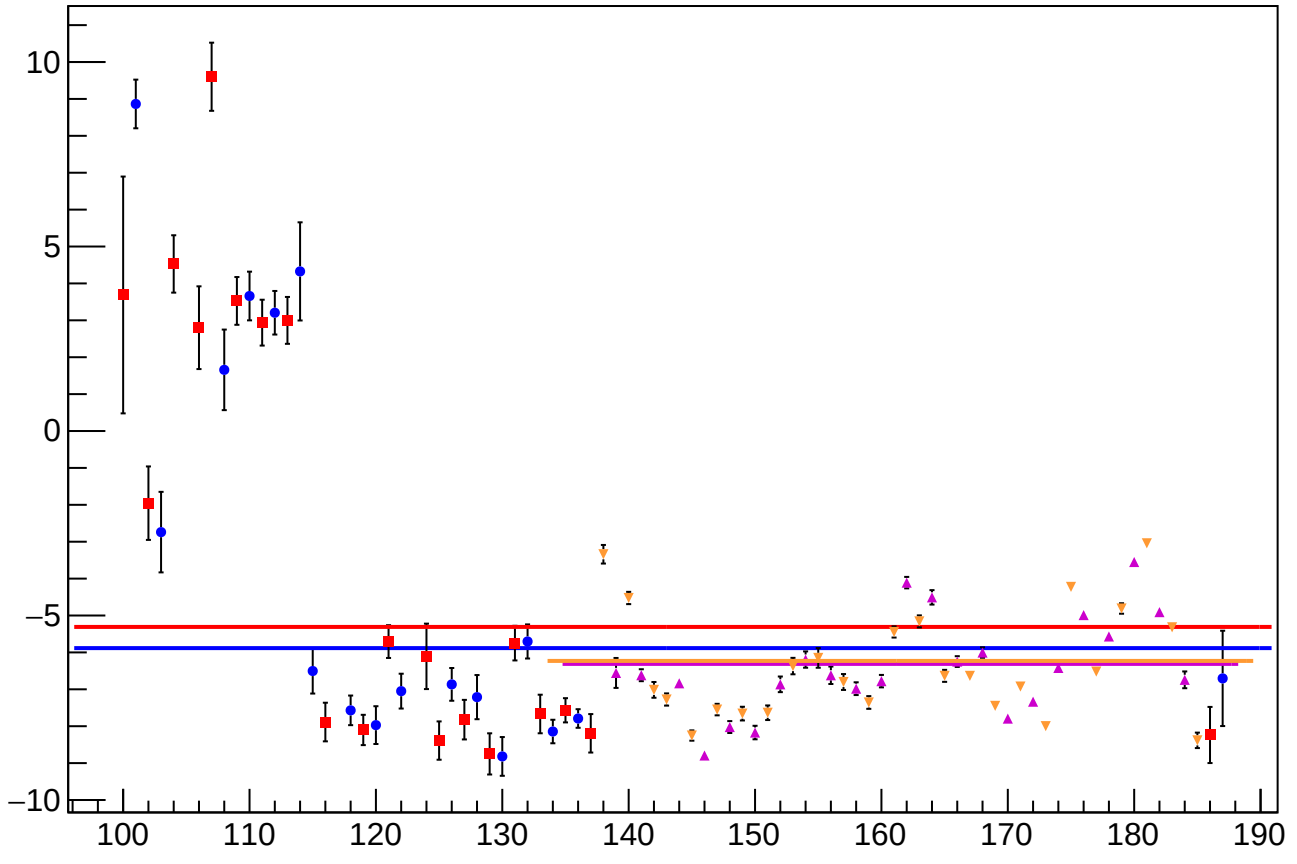
Right Out: 25.990+/-0.116 χ^2/NDF: 1038.5/19

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 12.942+/-0.033 χ^2/NDF: 34561.8/41

All: 12.957+/-0.024 χ^2/NDF: 67355.8/84

- sign 12.972+/-0.034 χ^2/NDF: 32793.6/42



Right In: -5.883+/-0.120 χ^2/NDF: 1251.8/16

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

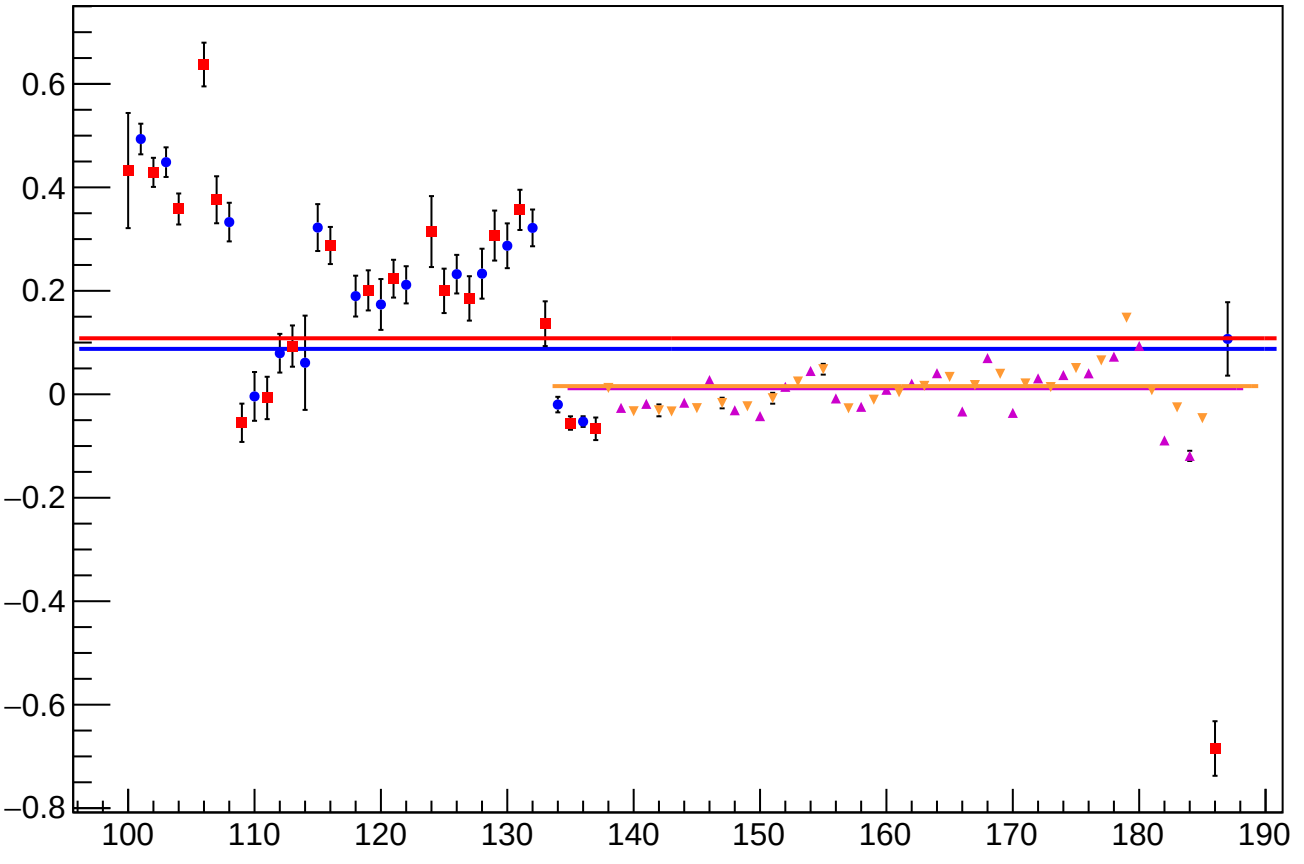
Right Out: -5.309+/-0.128 χ^2/NDF: 1307.2/19

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.209+/-0.030 χ^2/NDF: 3709.7/41

All: -6.231+/-0.021 χ^2/NDF: 7106.3/84

- sign -6.254+/-0.031 χ^2/NDF: 3395.5/42



Right In: 0.088+/-0.007 χ^2/NDF: 768.1/16

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

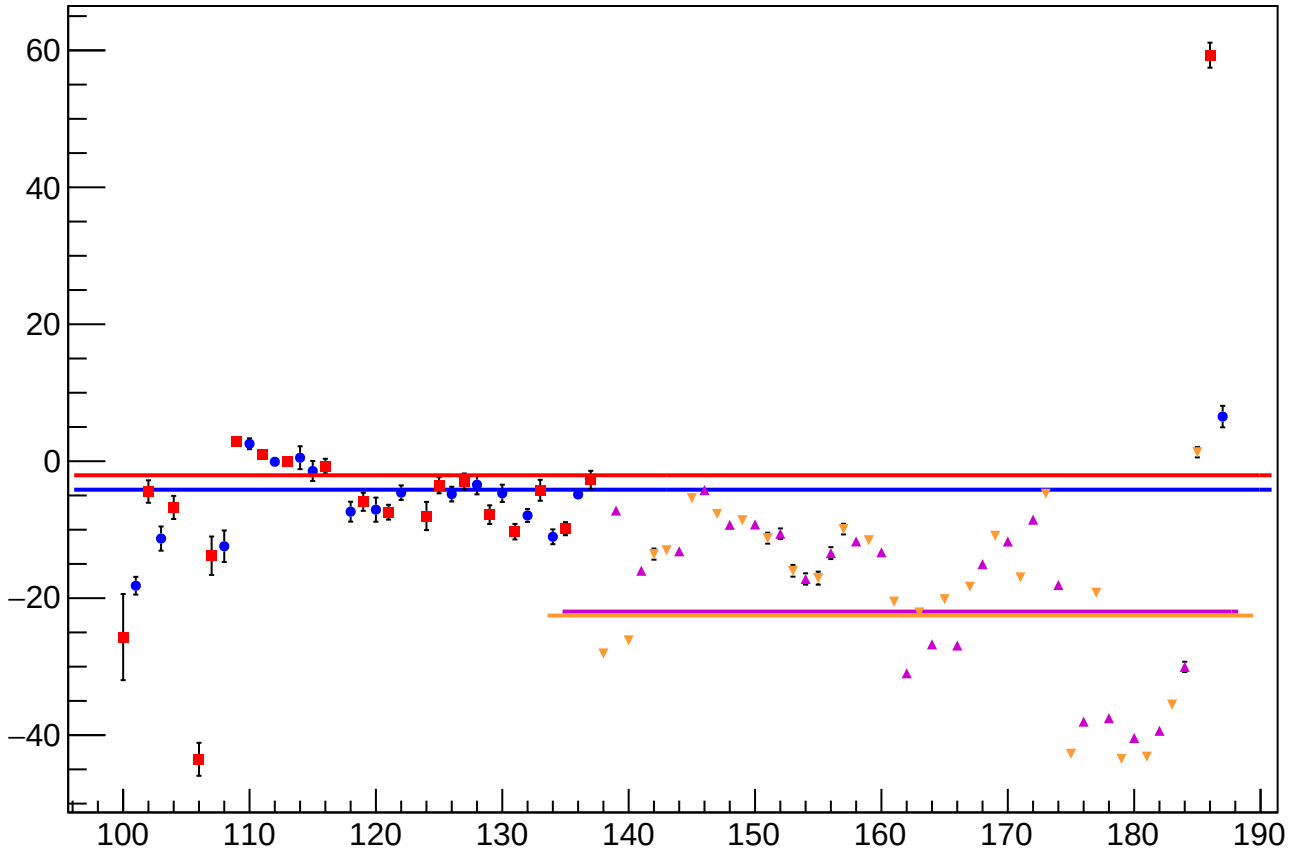
Right Out: 0.108+/-0.007 χ^2/NDF: 992.5/19

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

\+ sign 0.019+/-0.001 χ^2/NDF: 1816.7/41

All: 0.017+/-0.001 χ^2/NDF: 4280.9/84

\- sign 0.015+/-0.001 χ^2/NDF: 2460.6/42



Right In: -4.158+/-0.265 χ^2/NDF: 379.5/16

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

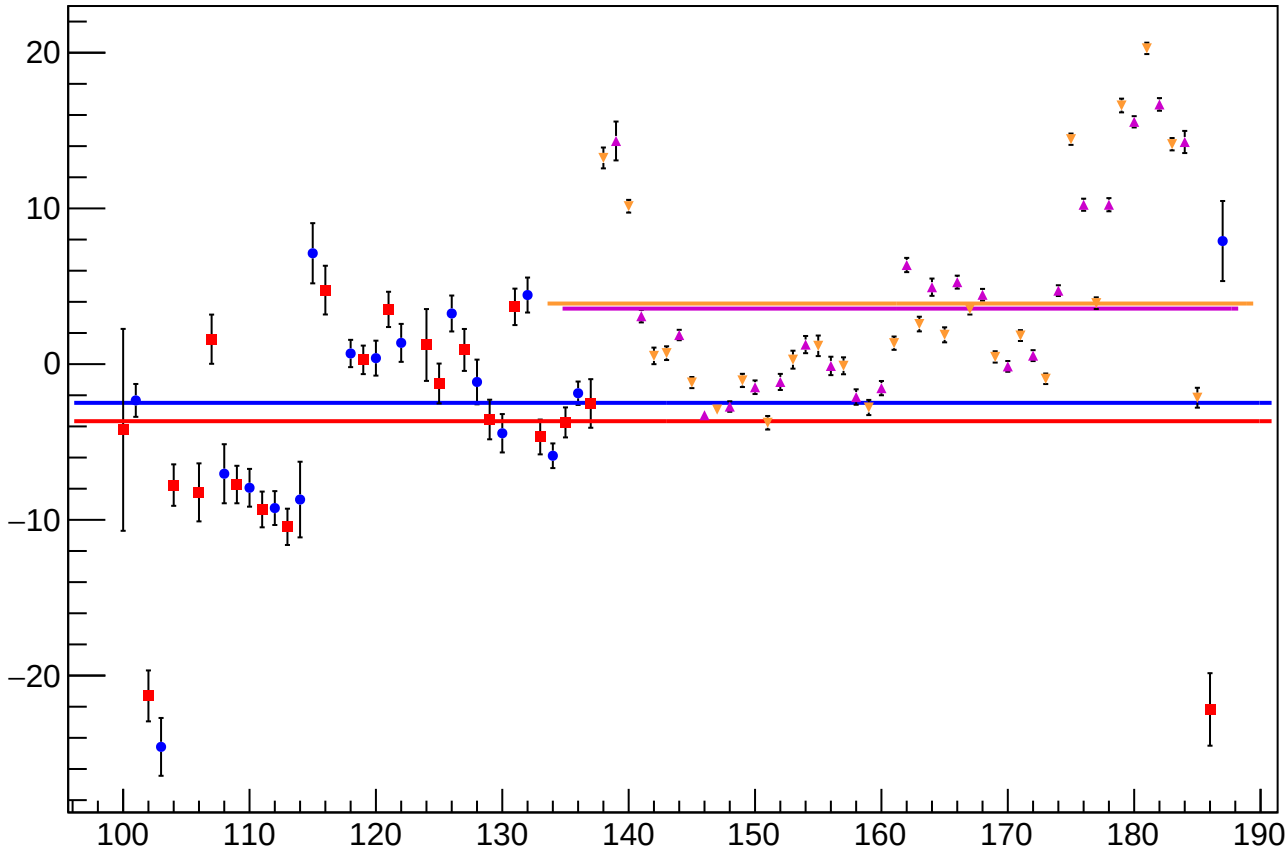
Right Out: -2.051+/-0.258 χ^2/NDF: 1735.2/19

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.909+/-0.100 χ^2/NDF: 21055.4/41

All: -19.387+/-0.071 χ^2/NDF: 40444.9/84

- sign -18.844+/-0.102 χ^2/NDF: 19334.0/42



Right In: -2.486+/-0.284 χ^2/NDF: 368.5/16

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

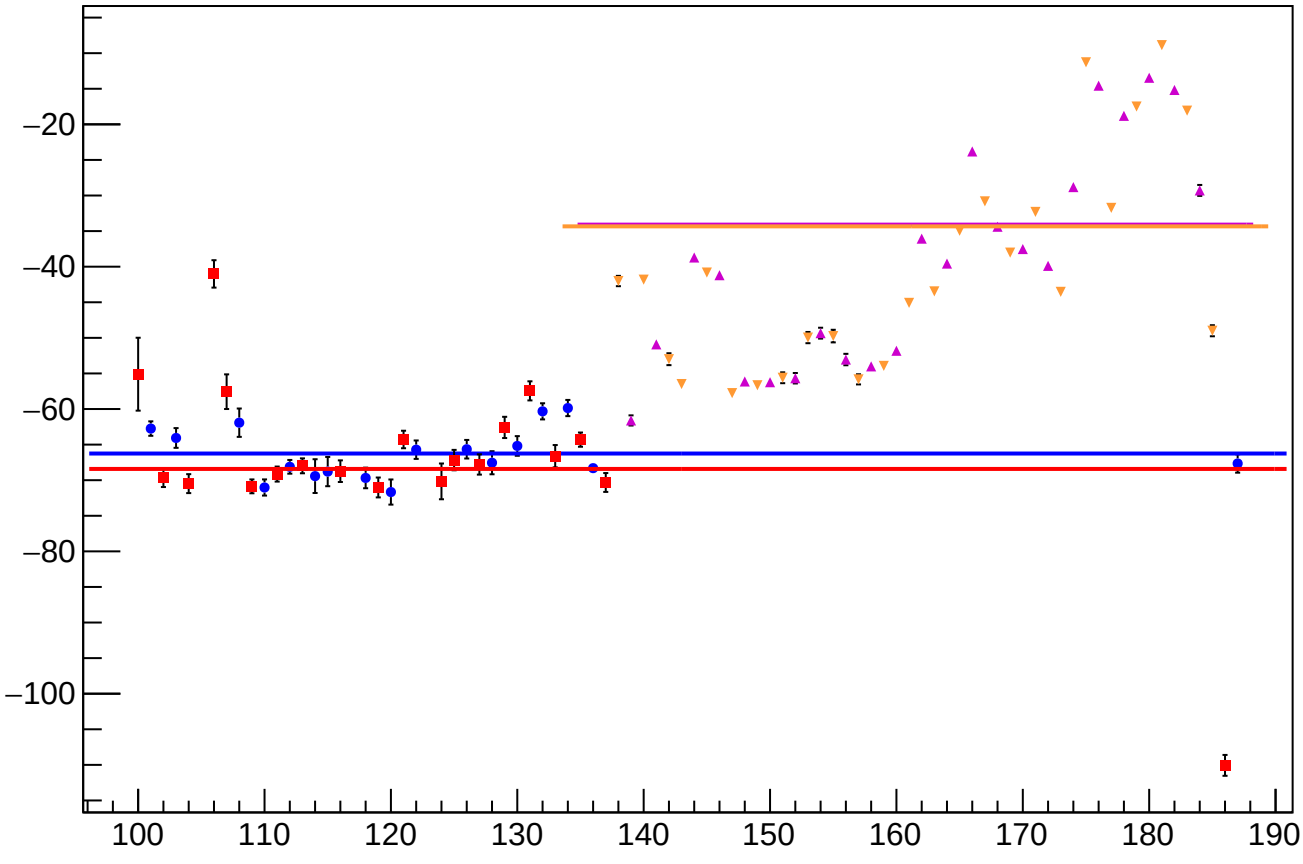
Right Out: -3.664+/-0.296 χ^2/NDF: 423.8/19

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.375+/-0.081 χ^2/NDF: 7556.1/41

All: 3.193+/-0.058 χ^2/NDF: 13278.6/84

- sign 3.002+/-0.083 χ^2/NDF: 5712.0/42



Right In: -66.253+/-0.296 χ^2/NDF: 130.4/16

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -68.418+/-0.306 χ^2/NDF: 1165.3/19

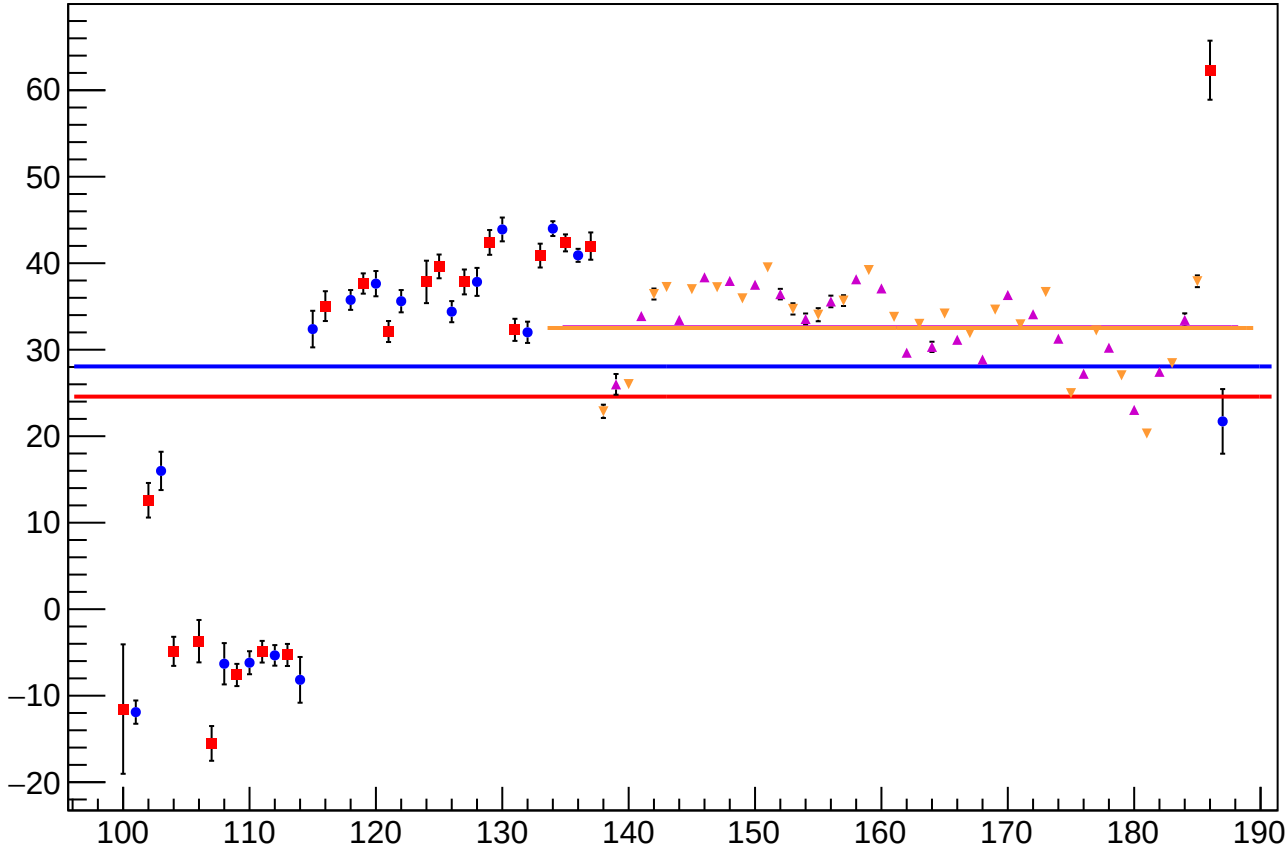
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

\+ sign -38.097+/-0.102 χ^2/NDF: 31576.7/41

All: -38.093+/-0.073 χ^2/NDF: 61615.7/84

\- sign -38.088+/-0.104 χ^2/NDF: 30039.0/42

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 28.066+/-0.319 χ^2/NDF: 3730.6/16

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.577+/-0.334 χ^2/NDF: 3965.0/19

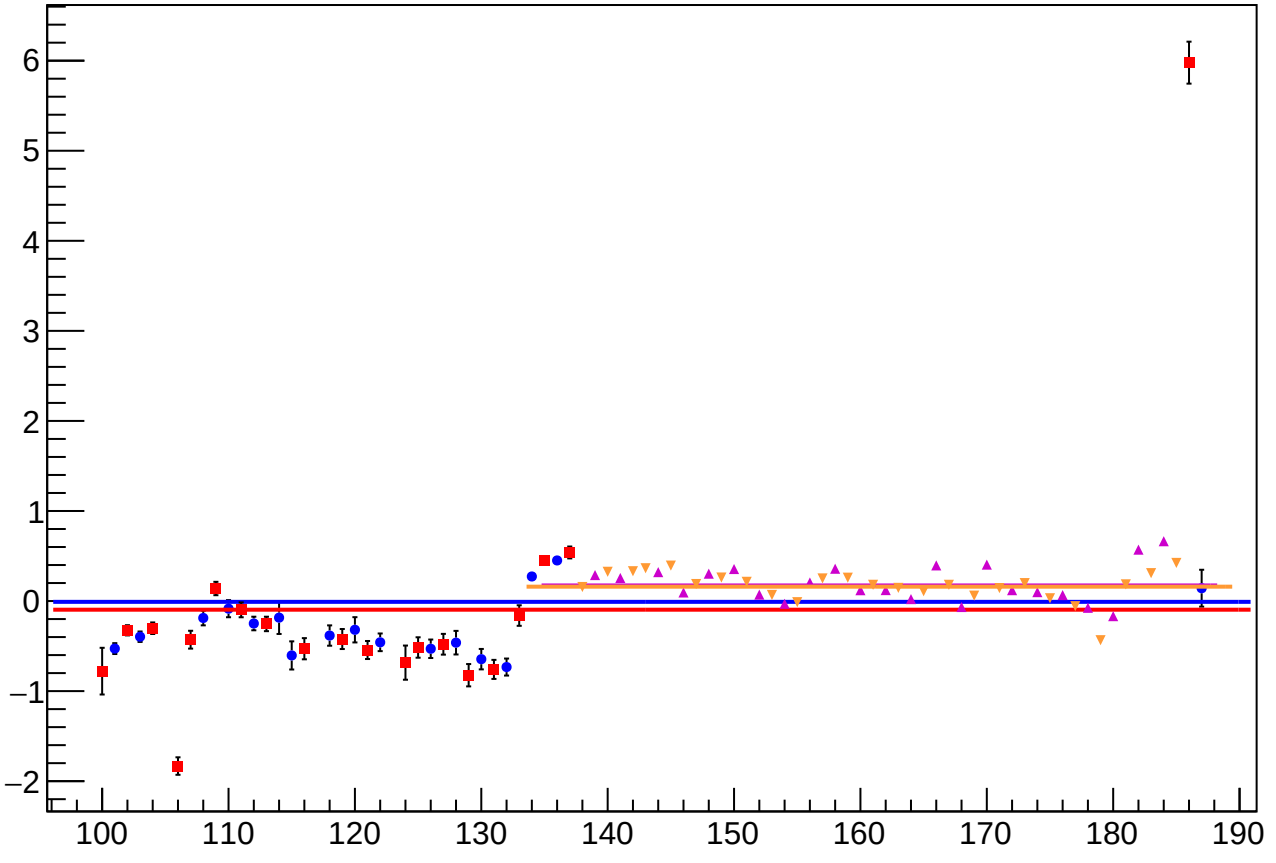
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.151+/-0.091 χ^2/NDF: 6847.3/41

All: 32.066+/-0.065 χ^2/NDF: 13359.2/84

- sign 31.977+/-0.093 χ^2/NDF: 6510.1/42

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.009+/-0.017 χ^2/NDF: 587.9/16

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.096+/-0.019 χ^2/NDF: 1502.6/19

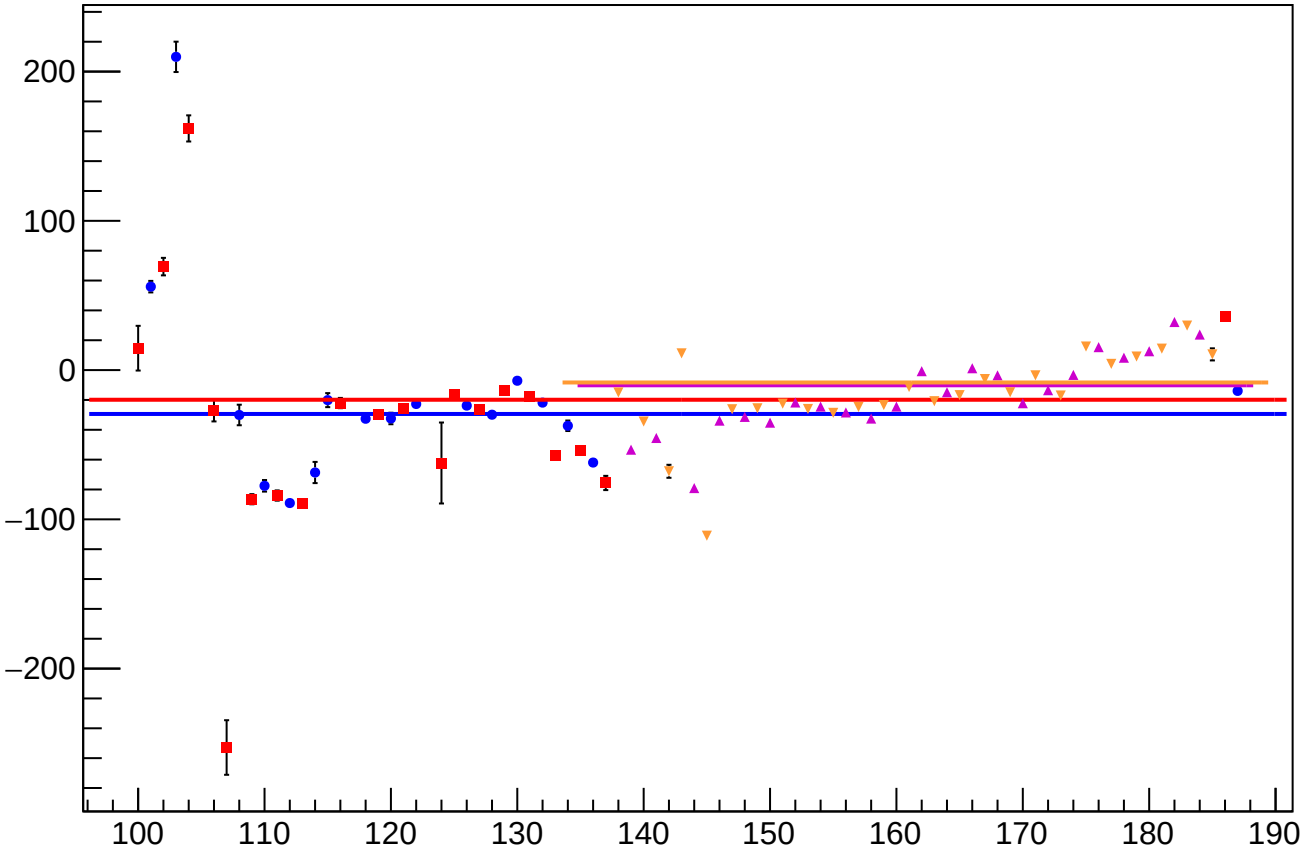
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.150+/-0.004 χ^2/NDF: 2290.8/41

All: 0.155+/-0.003 χ^2/NDF: 6121.2/84

- sign 0.160+/-0.004 χ^2/NDF: 3827.8/42

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -29.396+/-0.777 χ^2/NDF: 1947.1/16

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -19.872+/-0.749 χ^2/NDF: 3826.7/19

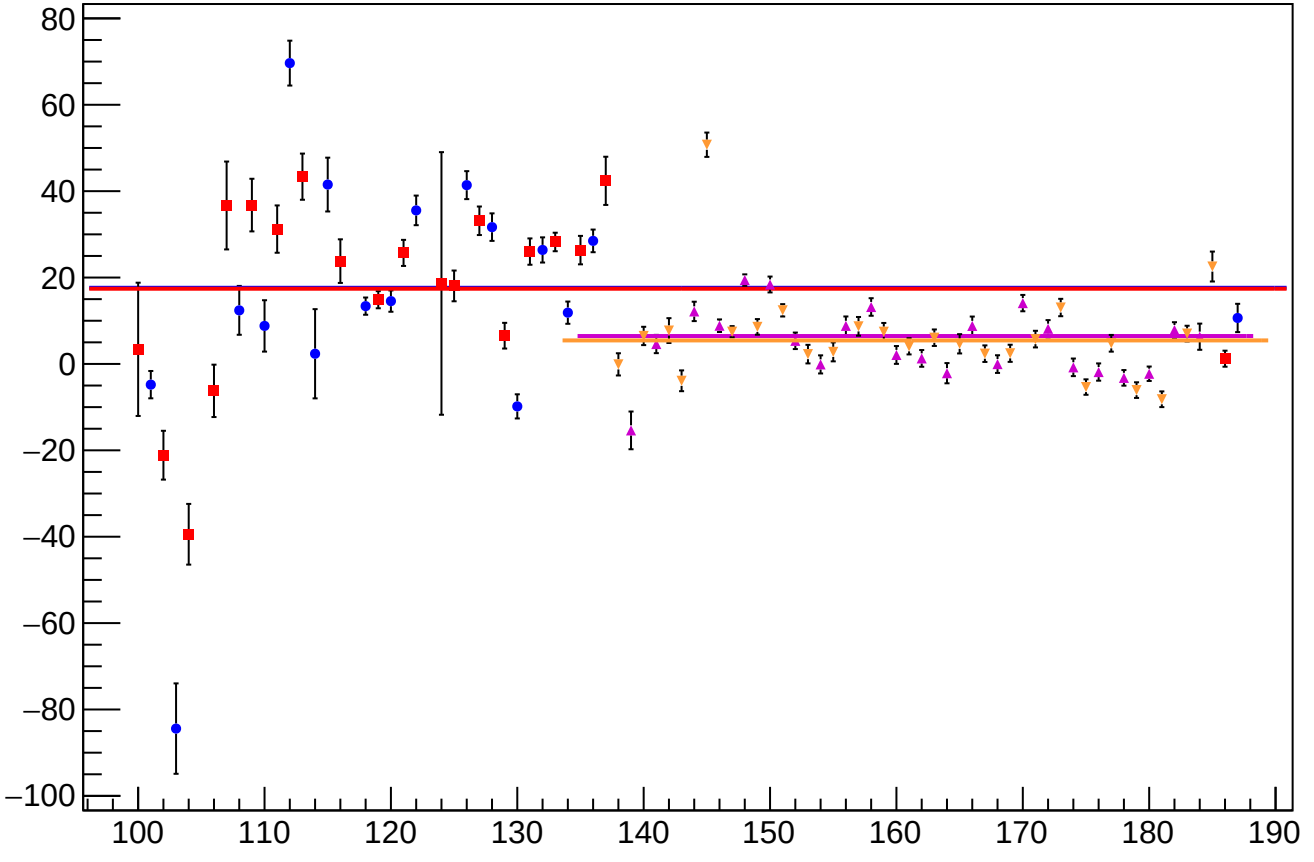
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -14.713+/-0.428 χ^2/NDF: 5019.7/41

All: -14.052+/-0.304 χ^2/NDF: 11481.7/84

- sign -13.385+/-0.431 χ^2/NDF: 6457.2/42

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 17.628+/-0.798 χ^2/NDF: 504.4/16

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 17.416+/-0.787 χ^2/NDF: 355.4/19

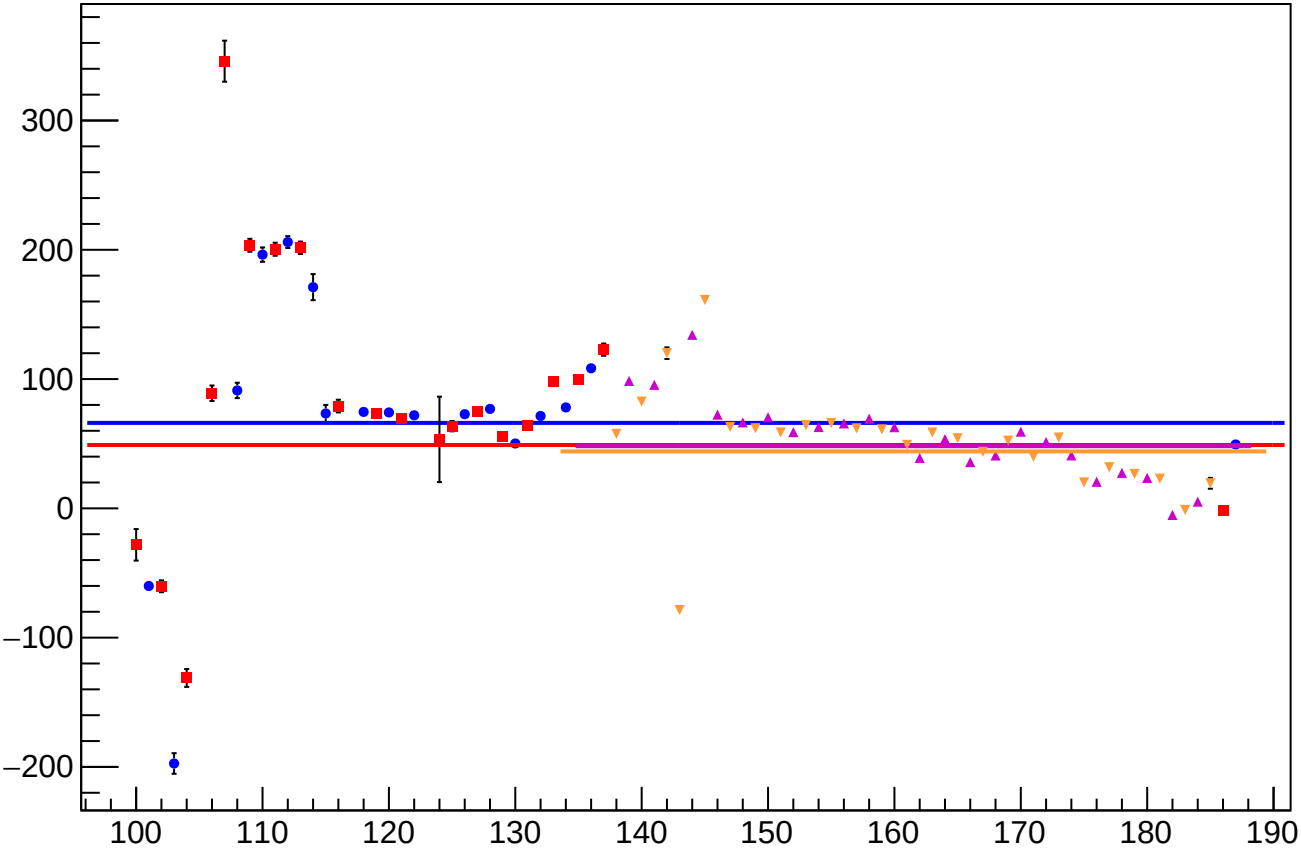
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

\+ sign 7.833+/-0.353 χ^2/NDF: 1185.5/41

All: 8.296+/-0.253 χ^2/NDF: 2033.2/84

\- sign 8.783+/-0.362 χ^2/NDF: 844.2/42

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 66.104+/-0.811 χ^2/NDF: 4954.6/16

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 49.005+/-0.761 χ^2/NDF: 7317.6/19

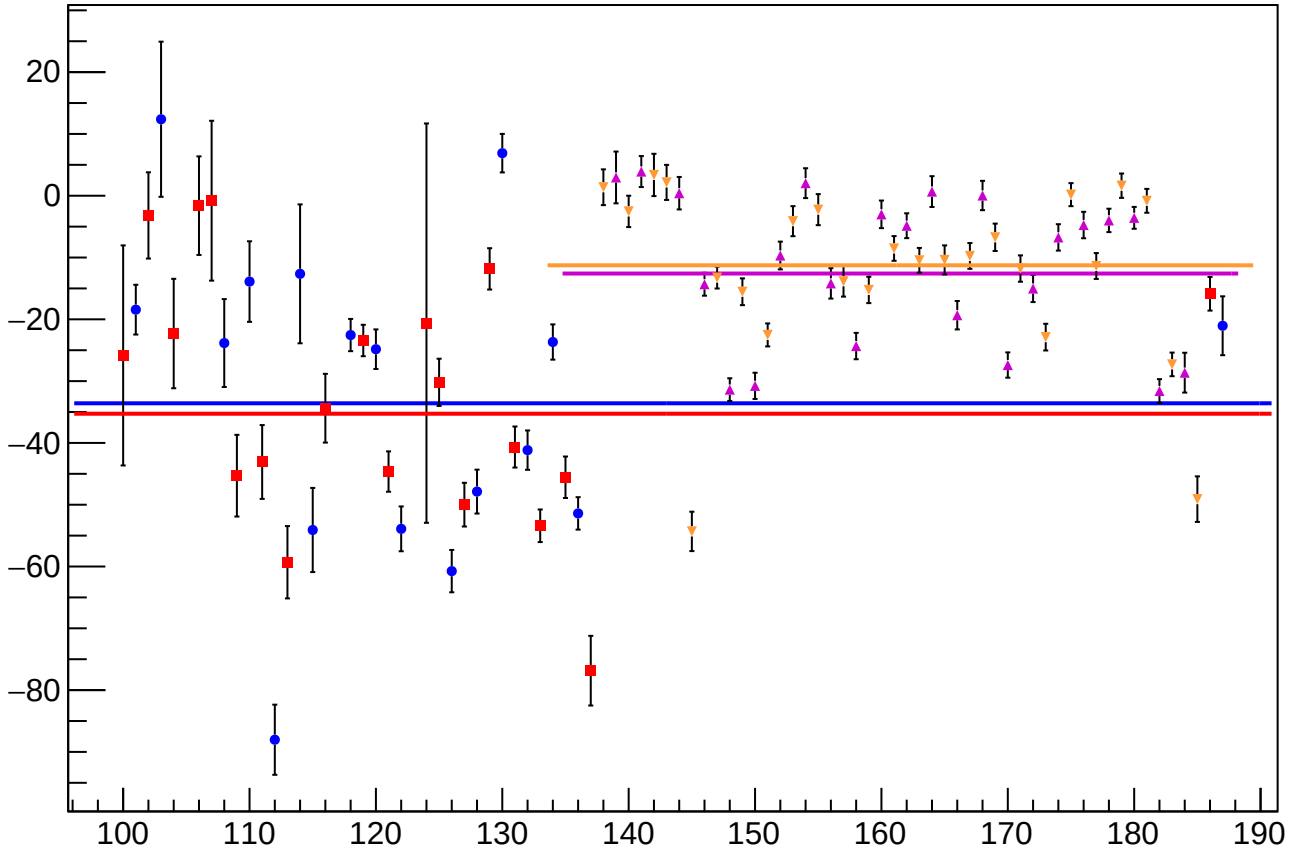
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 50.292+/-0.432 χ^2/NDF: 10048.9/41

All: 49.329+/-0.305 χ^2/NDF: 20753.9/84

- sign 48.373+/-0.430 χ^2/NDF: 10695.1/42

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.586+/-0.924 χ^2/NDF: 518.4/16

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -35.275+/-0.934 χ^2/NDF: 332.1/19

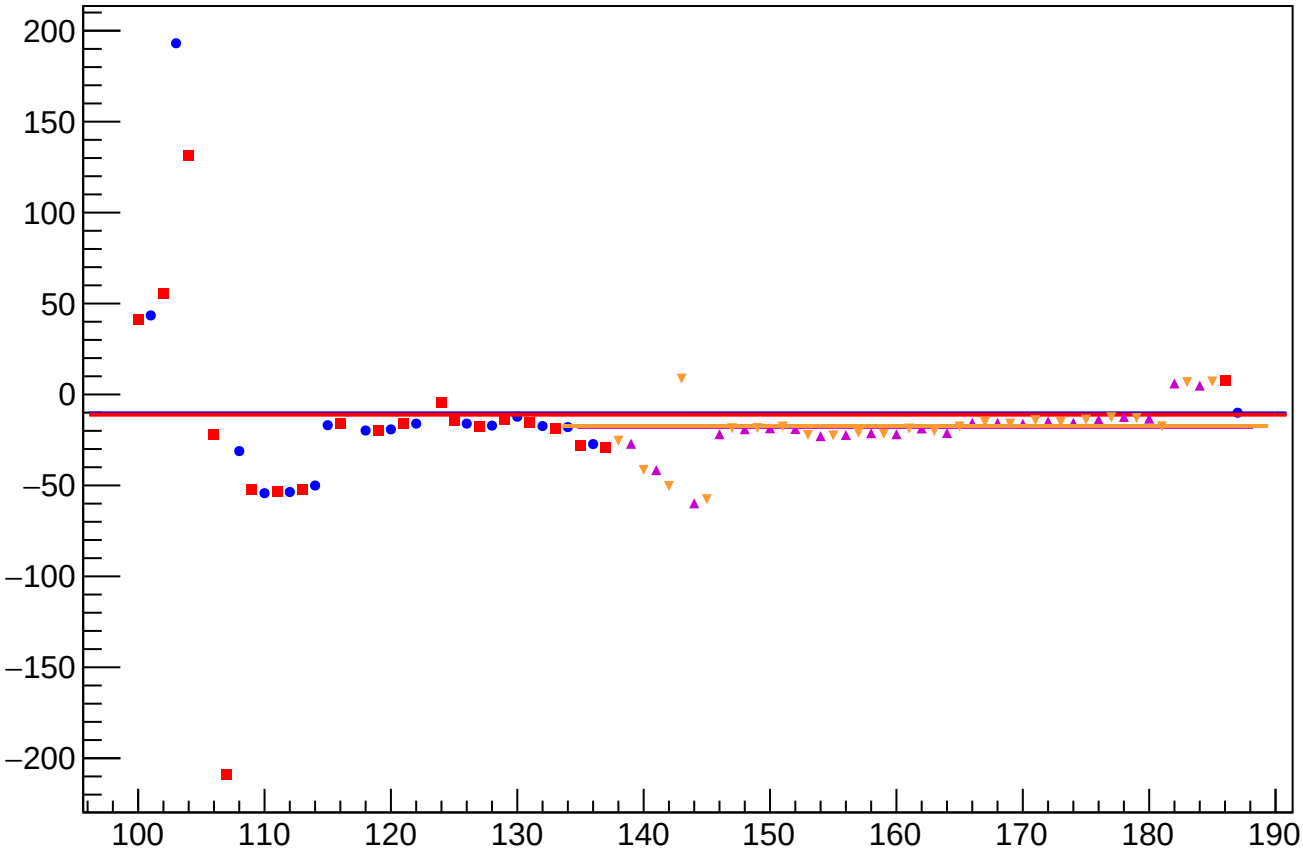
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -15.459+/-0.401 χ^2/NDF: 1635.4/41

All: -16.210+/-0.287 χ^2/NDF: 3122.0/84

- sign -17.002+/-0.412 χ^2/NDF: 1479.4/42

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -10.383+/-0.056 χ^2/NDF: 522336.4/16

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -11.094+/-0.060 χ^2/NDF: 460212.2/19

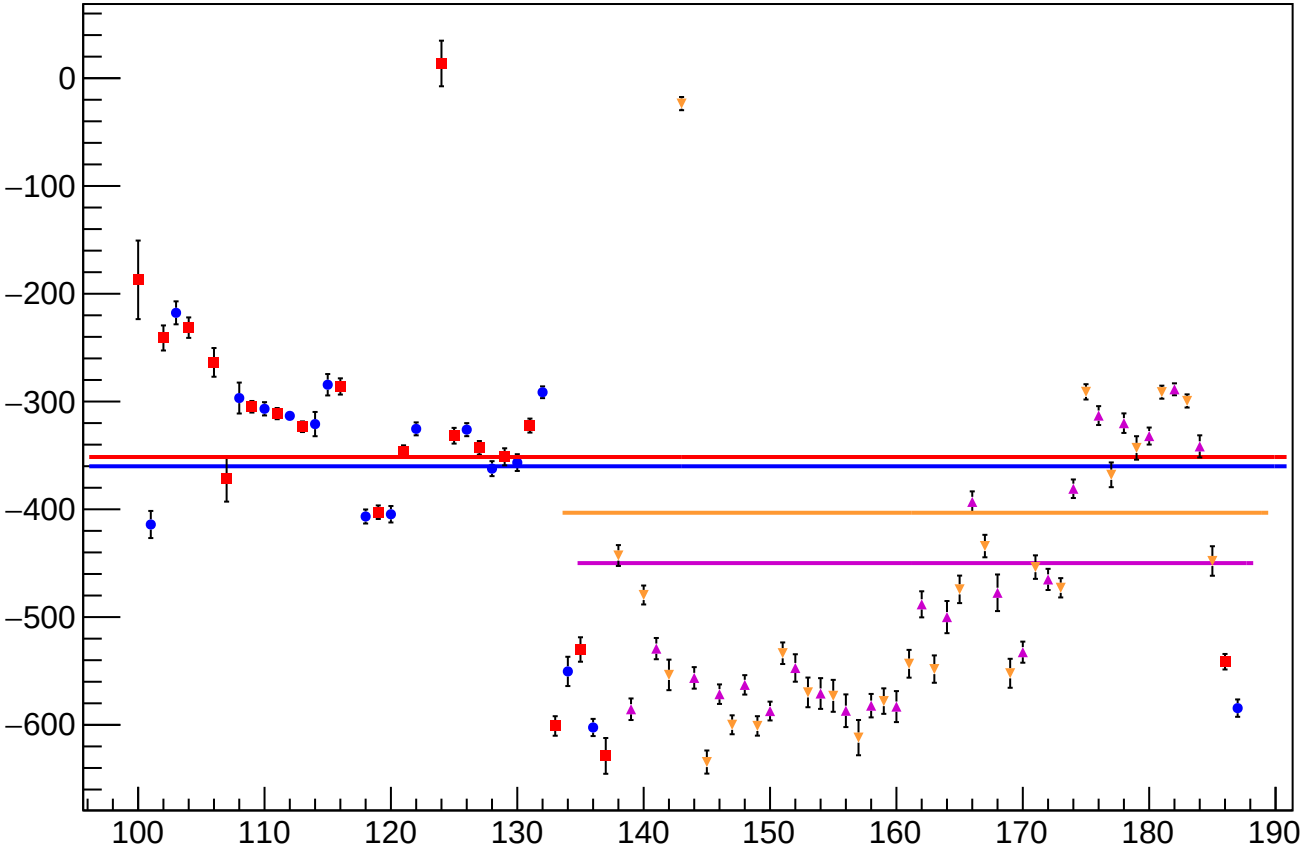
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -16.535+/-0.019 χ^2/NDF: 883980.0/41

All: -16.826+/-0.013 χ^2/NDF: 1623554.1/84

- sign -17.130+/-0.019 χ^2/NDF: 739084.1/42

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -360.080+/-1.780 χ^2/NDF: 2672.6/16

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -351.476+/-1.709 χ^2/NDF: 2933.9/19

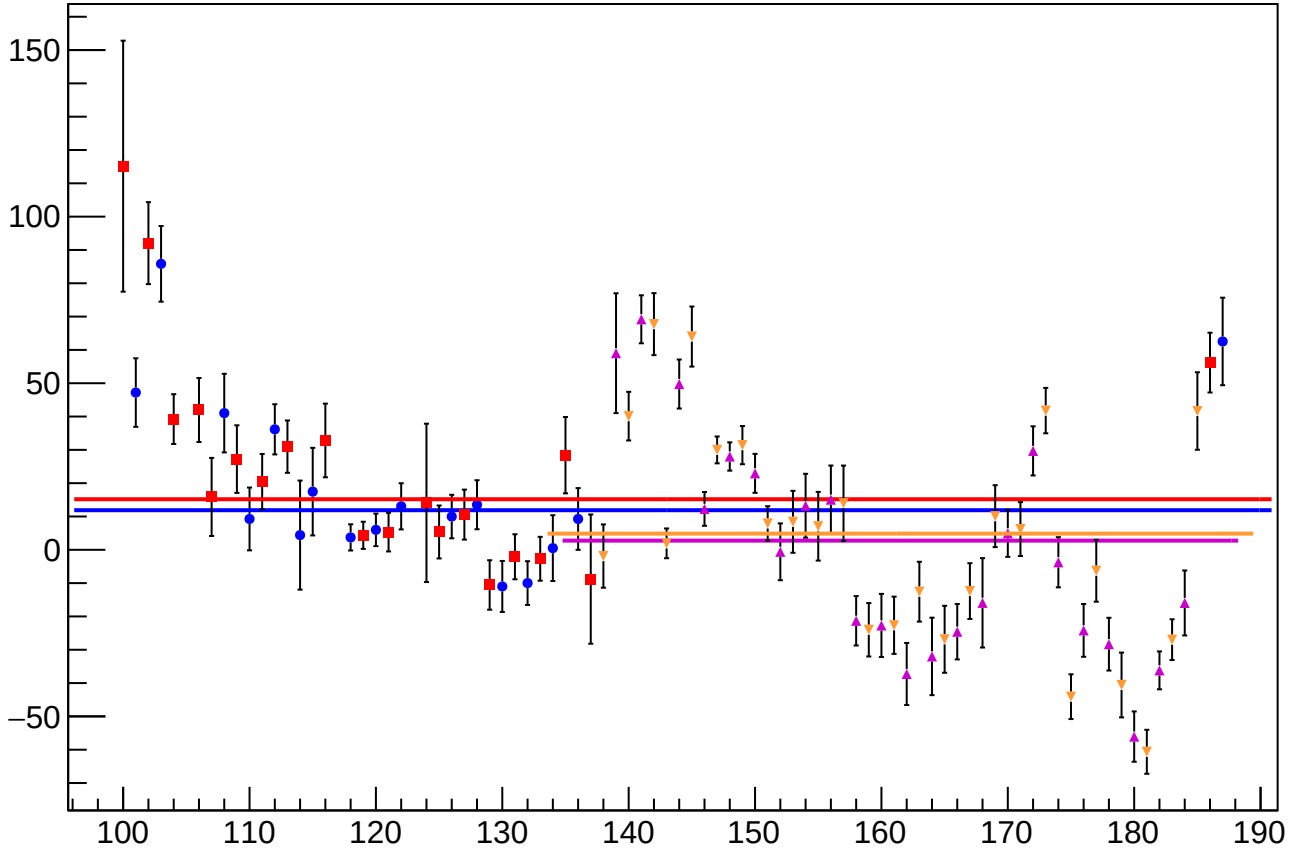
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -379.920+/-1.308 χ^2/NDF: 10693.0/41

All: -385.944+/-0.926 χ^2/NDF: 18253.9/84

- sign -392.000+/-1.311 χ^2/NDF: 7518.4/42

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 11.885+/-1.825 χ^2/NDF: 113.4/16

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 15.180+/-1.816 χ^2/NDF: 134.2/19

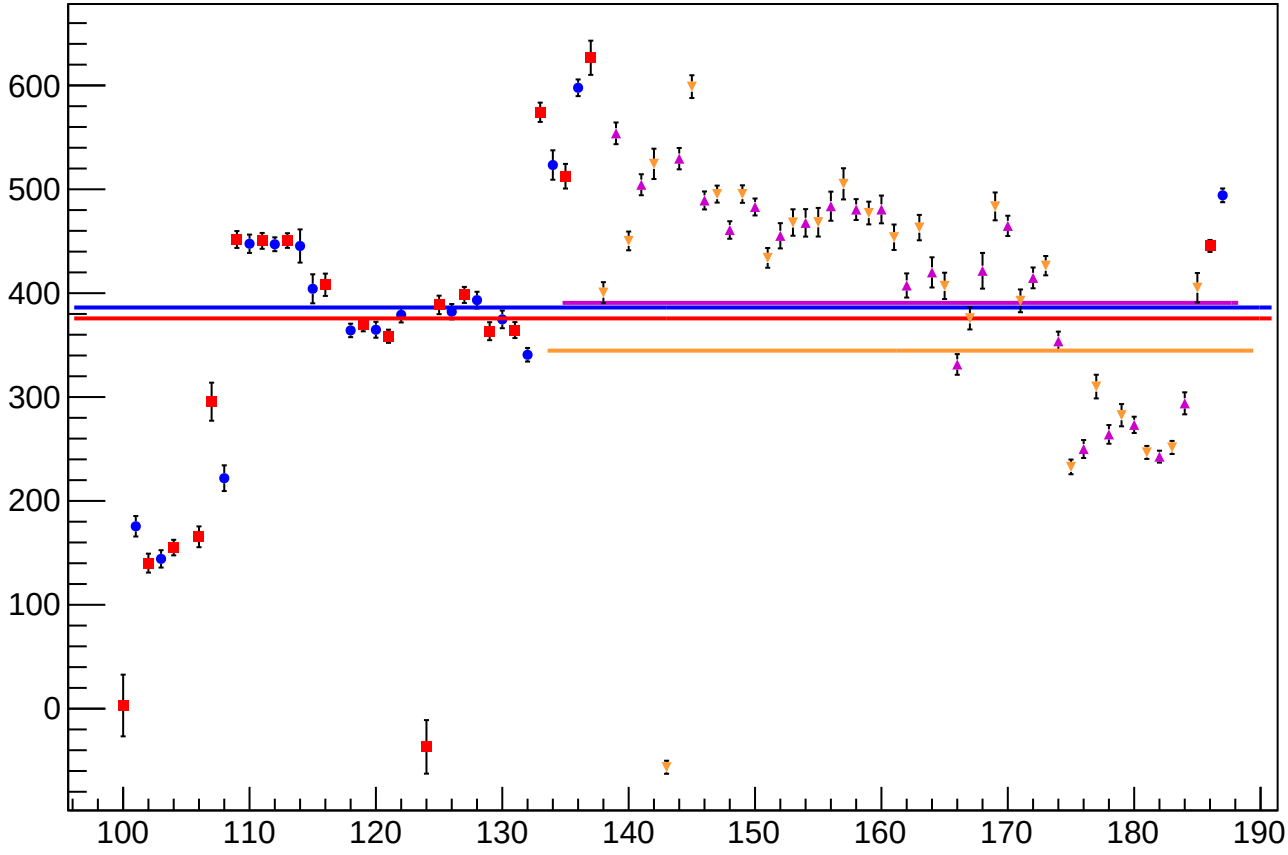
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 7.570+/-1.134 χ^2/NDF: 579.7/41

All: 7.781+/-0.818 χ^2/NDF: 1140.6/84

- sign 8.009+/-1.181 χ^2/NDF: 560.8/42

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 386.203+/-2.004 χ^2/NDF: 2742.1/16

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 375.700+/-1.930 χ^2/NDF: 3707.3/19

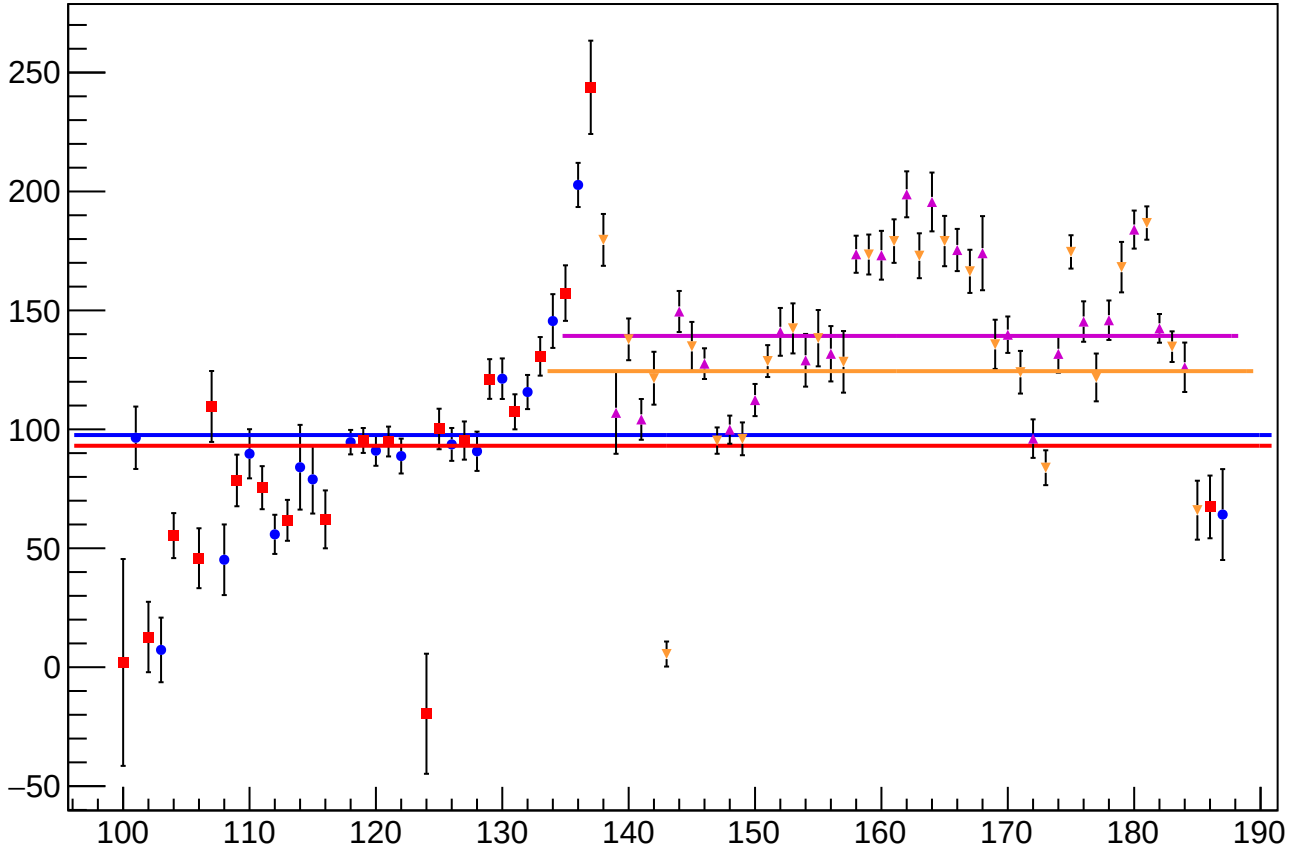
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 364.595+/-1.388 χ^2/NDF: 10243.6/41

All: 373.633+/-0.985 χ^2/NDF: 16737.7/84

- sign 382.812+/-1.399 χ^2/NDF: 6408.6/42

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 97.600+/-2.131 χ^2/NDF: 252.6/16

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 93.095+/-2.111 χ^2/NDF: 241.0/19

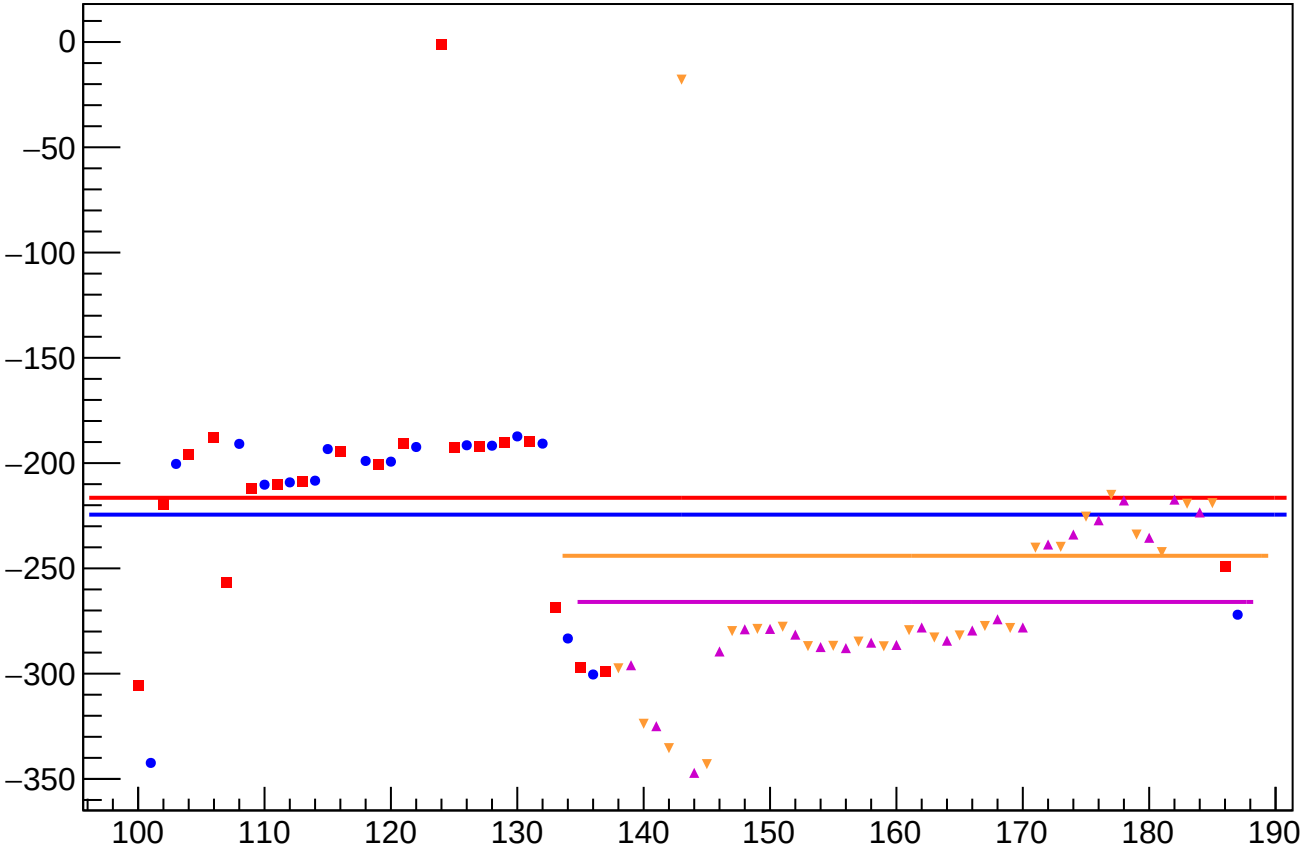
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 114.305+/-1.310 χ^2/NDF: 1289.0/41

All: 117.160+/-0.942 χ^2/NDF: 2081.9/84

- sign 120.217+/-1.356 χ^2/NDF: 783.0/42

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -224.478+/-0.137 χ^2/NDF: 123579.8/16

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -216.470+/-0.133 χ^2/NDF: 82755.7/19

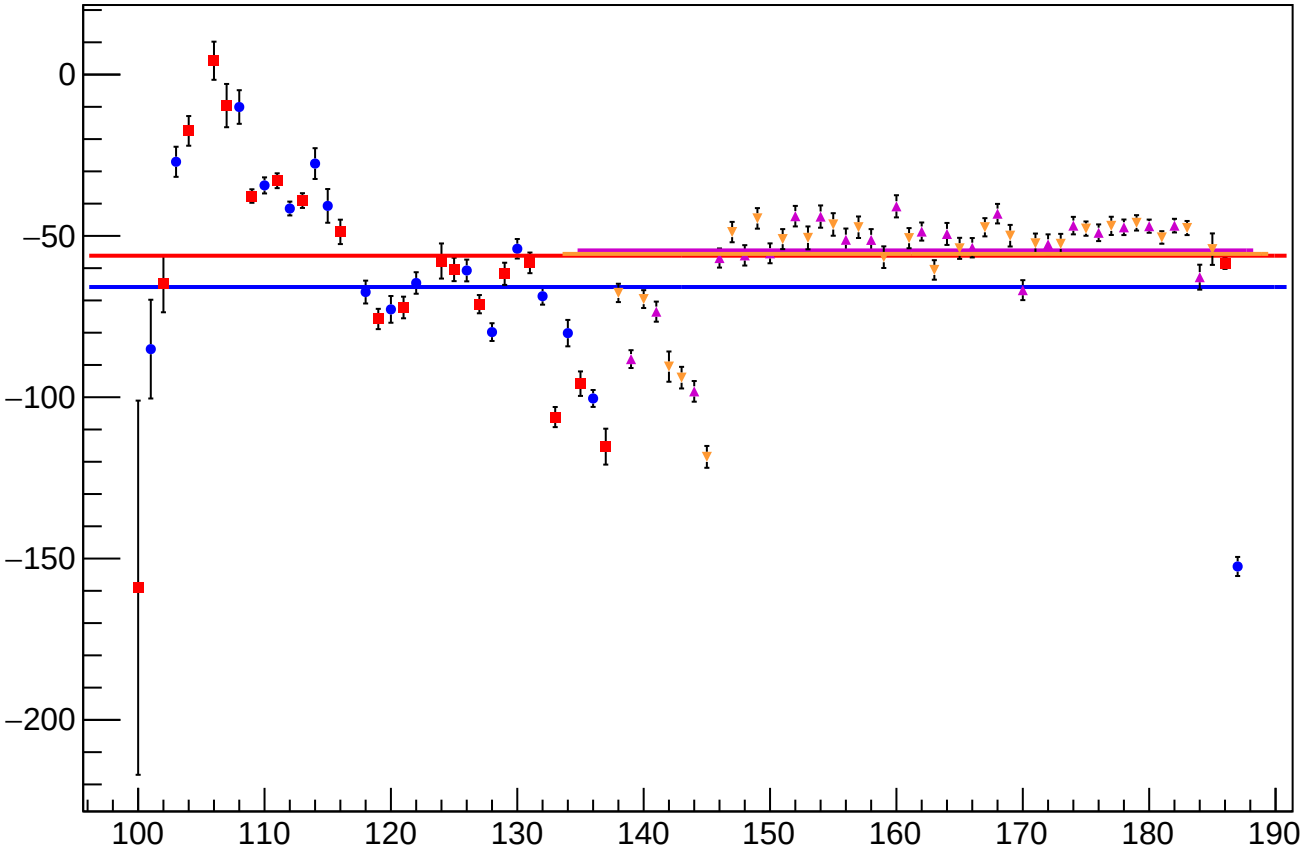
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -239.305+/-0.067 χ^2/NDF: 1136950.9/41

All: -245.839+/-0.048 χ^2/NDF: 1510251.4/84

- sign -252.669+/-0.069 χ^2/NDF: 354052.0/42

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -65.843+/-0.798 χ^2/NDF: 1653.0/16

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -56.141+/-0.723 χ^2/NDF: 1043.1/19

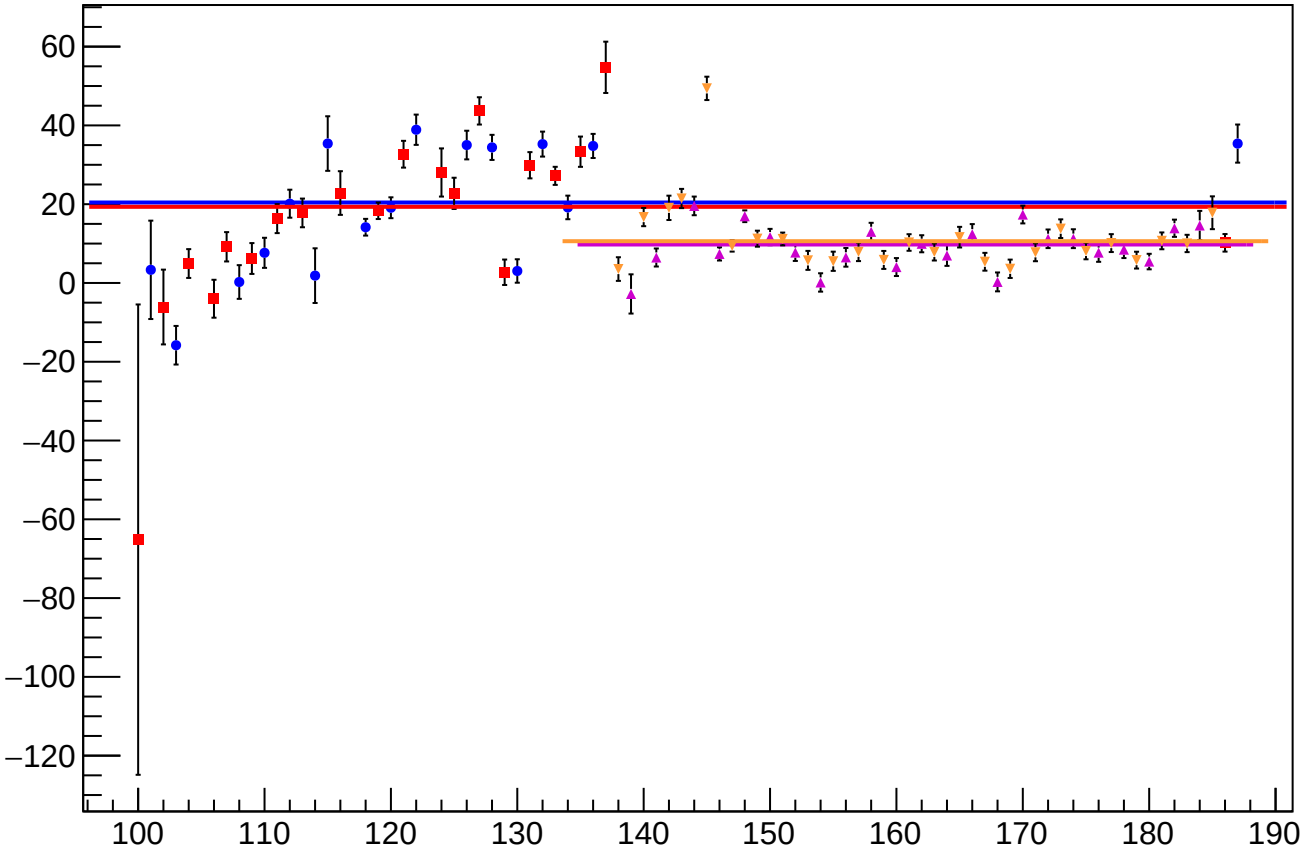
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -59.202+/-0.475 χ^2/NDF: 2446.4/41

All: -57.147+/-0.332 χ^2/NDF: 4029.7/84

- sign -55.177+/-0.465 χ^2/NDF: 1546.5/42

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 20.426+/-0.854 χ^2/NDF: 257.0/16

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 19.332+/-0.789 χ^2/NDF: 244.0/19

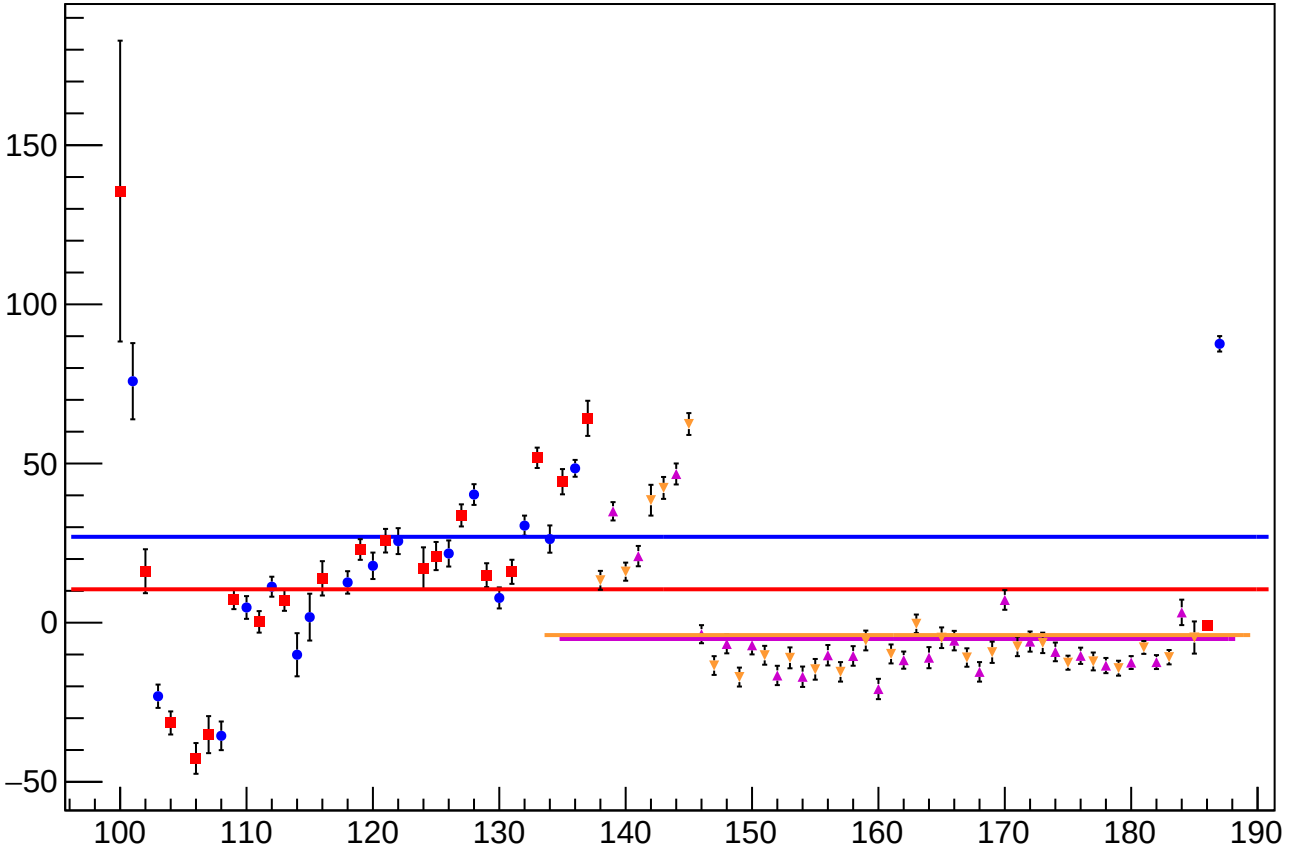
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

\+ sign 12.734+/-0.398 χ^2/NDF: 615.9/41

All: 12.493+/-0.283 χ^2/NDF: 1090.5/84

\- sign 12.246+/-0.402 χ^2/NDF: 473.9/42

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 26.974+/-0.890 χ^2/NDF: 1265.5/16

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 10.488+/-0.784 χ^2/NDF: 819.1/19

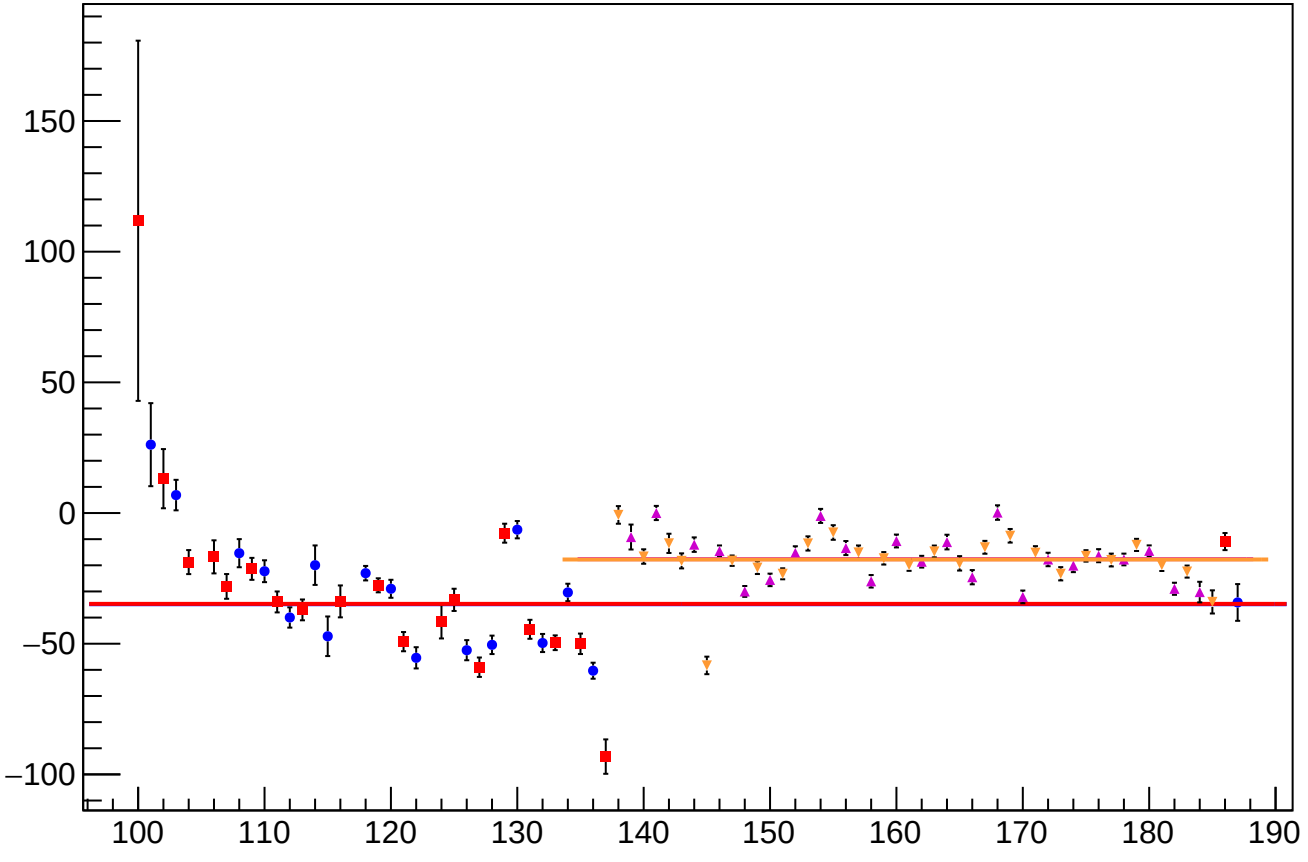
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 5.419+/-0.489 χ^2/NDF: 2955.6/41

All: 2.967+/-0.341 χ^2/NDF: 4723.7/84

- sign 0.641+/-0.476 χ^2/NDF: 1719.1/42

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -34.886+/-0.981 χ^2/NDF: 346.6/16

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -34.756+/-0.929 χ^2/NDF: 359.3/19

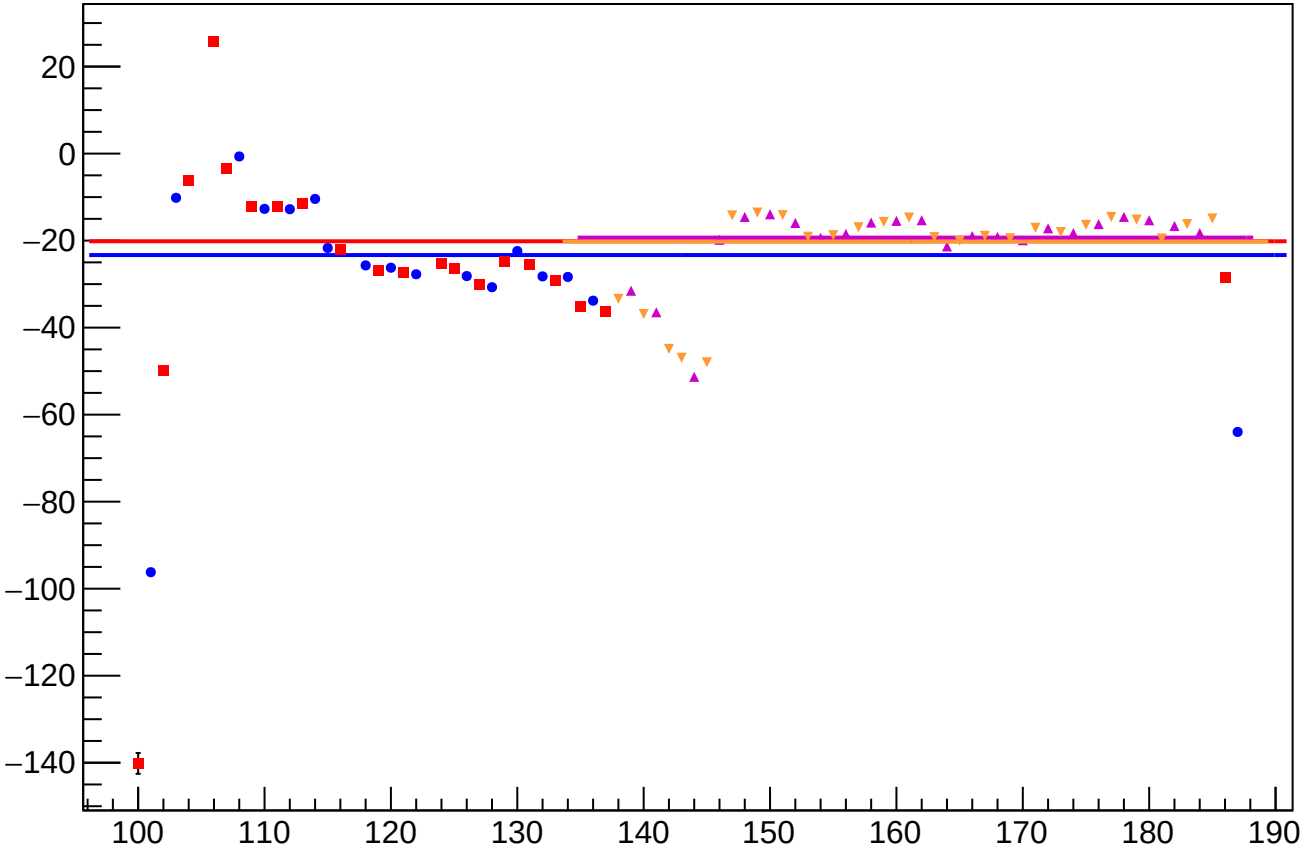
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -21.405+/-0.452 χ^2/NDF: 838.1/41

All: -21.597+/-0.321 χ^2/NDF: 1740.4/84

- sign -21.794+/-0.458 χ^2/NDF: 902.0/42

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -23.322+/-0.058 χ^2/NDF: 57882.1/16

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -20.154+/-0.058 χ^2/NDF: 85256.6/19

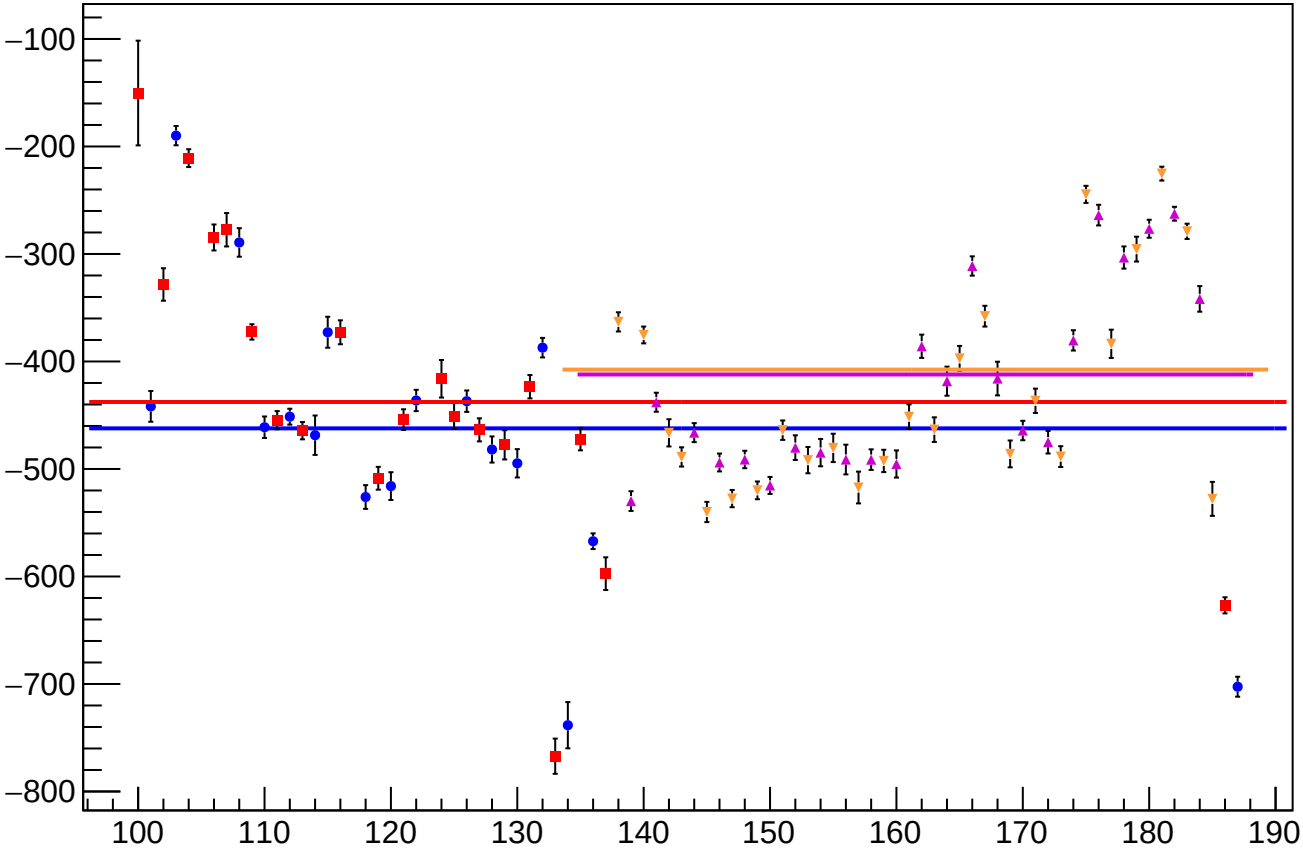
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -20.647+/-0.021 χ^2/NDF: 207727.5/41

All: -20.047+/-0.015 χ^2/NDF: 387881.3/84

- sign -19.428+/-0.022 χ^2/NDF: 178532.4/42

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -462.225+/-2.576 χ^2/NDF: 2314.8/16

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -437.674+/-2.391 χ^2/NDF: 2462.6/19

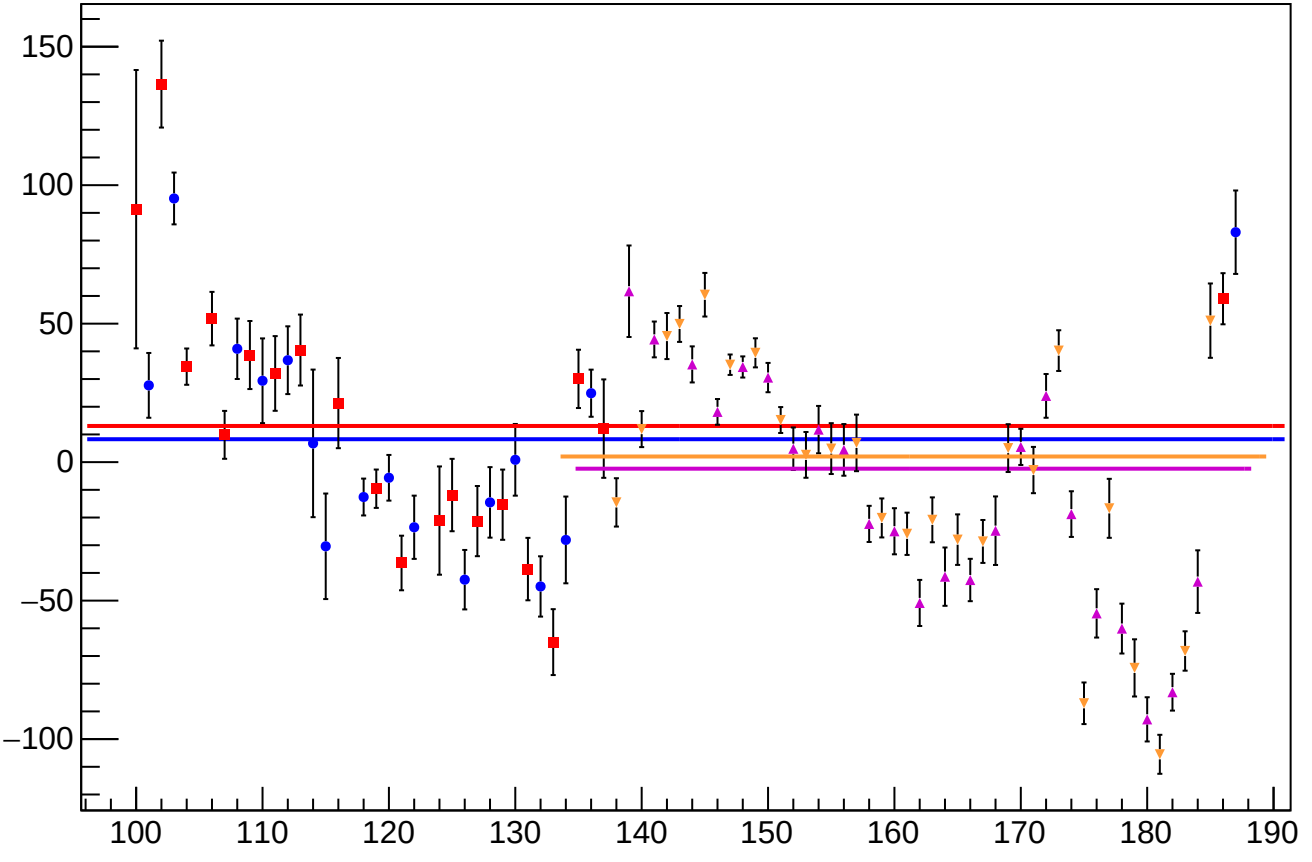
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -427.479+/-1.555 χ^2/NDF: 5473.5/41

All: -425.053+/-1.094 χ^2/NDF: 10190.3/84

- sign -422.681+/-1.538 χ^2/NDF: 4712.0/42

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 8.276+/-2.684 χ^2/NDF: 213.6/16

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 13.059+/-2.464 χ^2/NDF: 248.8/19

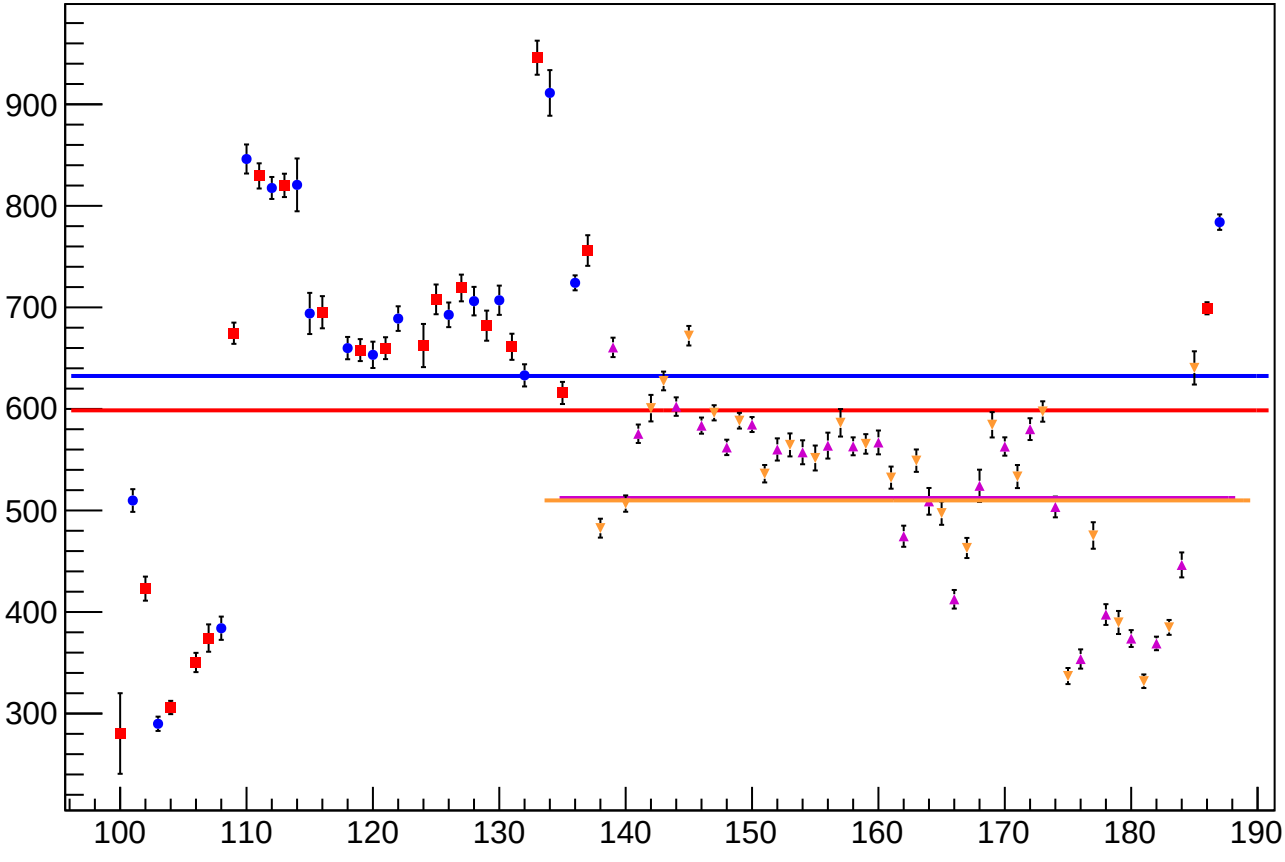
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 3.408+/-1.259 χ^2/NDF: 1128.5/41

All: 2.579+/-0.894 χ^2/NDF: 2140.3/84

- sign 1.735+/-1.270 χ^2/NDF: 1011.0/42

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 632.454+/-2.704 χ^2/NDF: 4343.9/16

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 598.600+/-2.502 χ^2/NDF: 5144.0/19

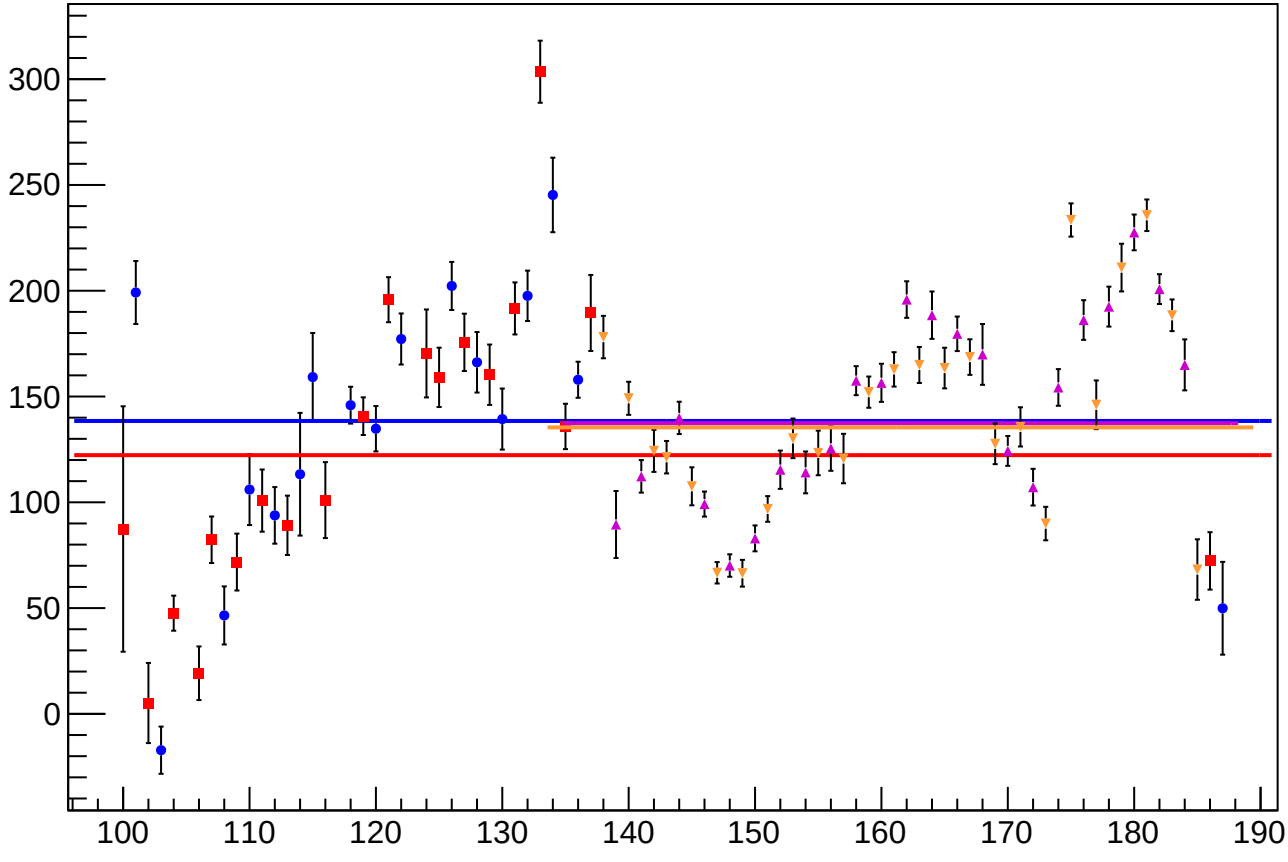
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 551.423+/-1.574 χ^2/NDF: 8364.2/41

All: 548.475+/-1.106 χ^2/NDF: 16333.8/84

- sign 545.600+/-1.554 χ^2/NDF: 7962.7/42

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 138.450+/-3.119 χ^2/NDF: 402.0/16

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 122.290+/-2.909 χ^2/NDF: 522.8/19

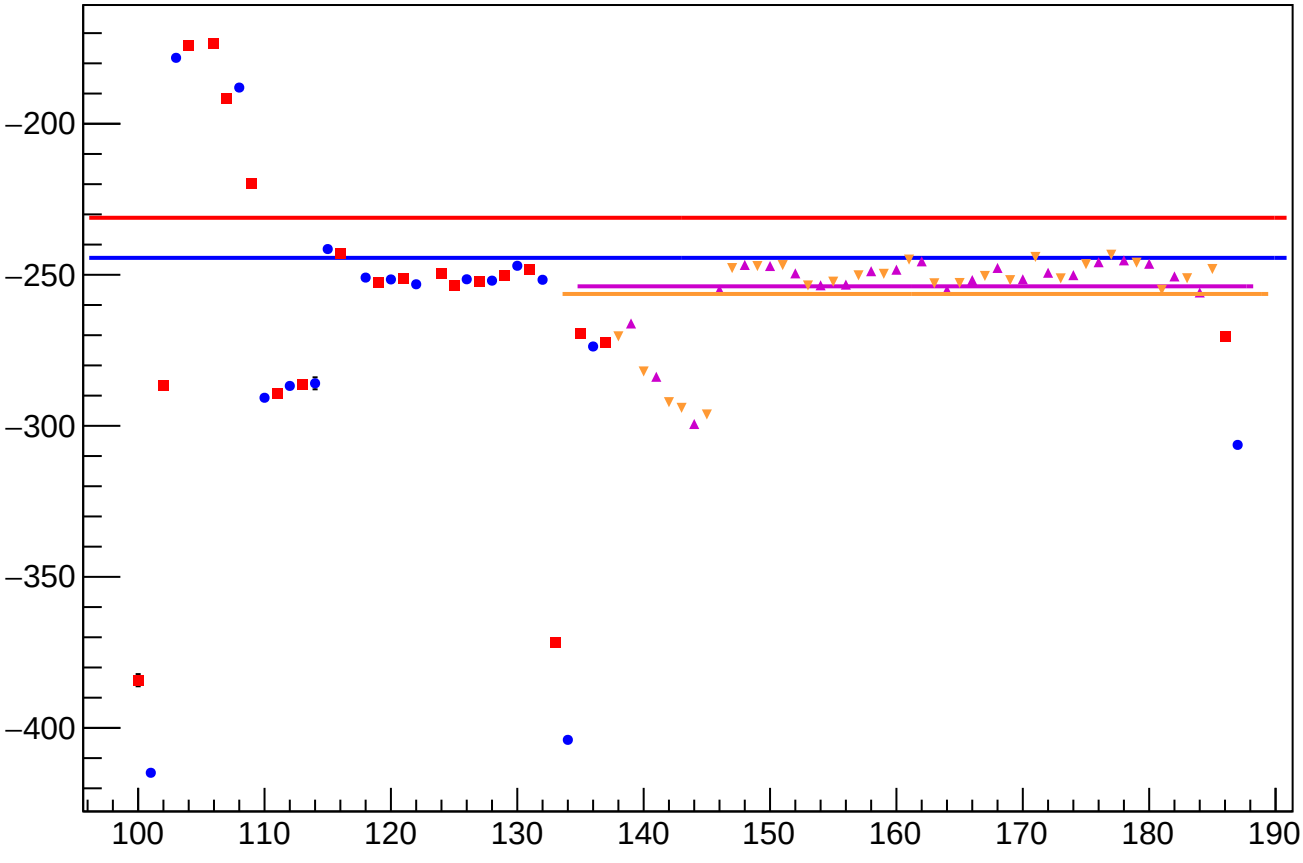
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 136.072+/-1.458 χ^2/NDF: 1325.9/41

All: 134.809+/-1.035 χ^2/NDF: 2576.2/84

- sign 133.527+/-1.469 χ^2/NDF: 1248.7/42

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -244.395+/-0.161 χ^2/NDF: 176080.4/16

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -231.124+/-0.155 χ^2/NDF: 104102.1/19

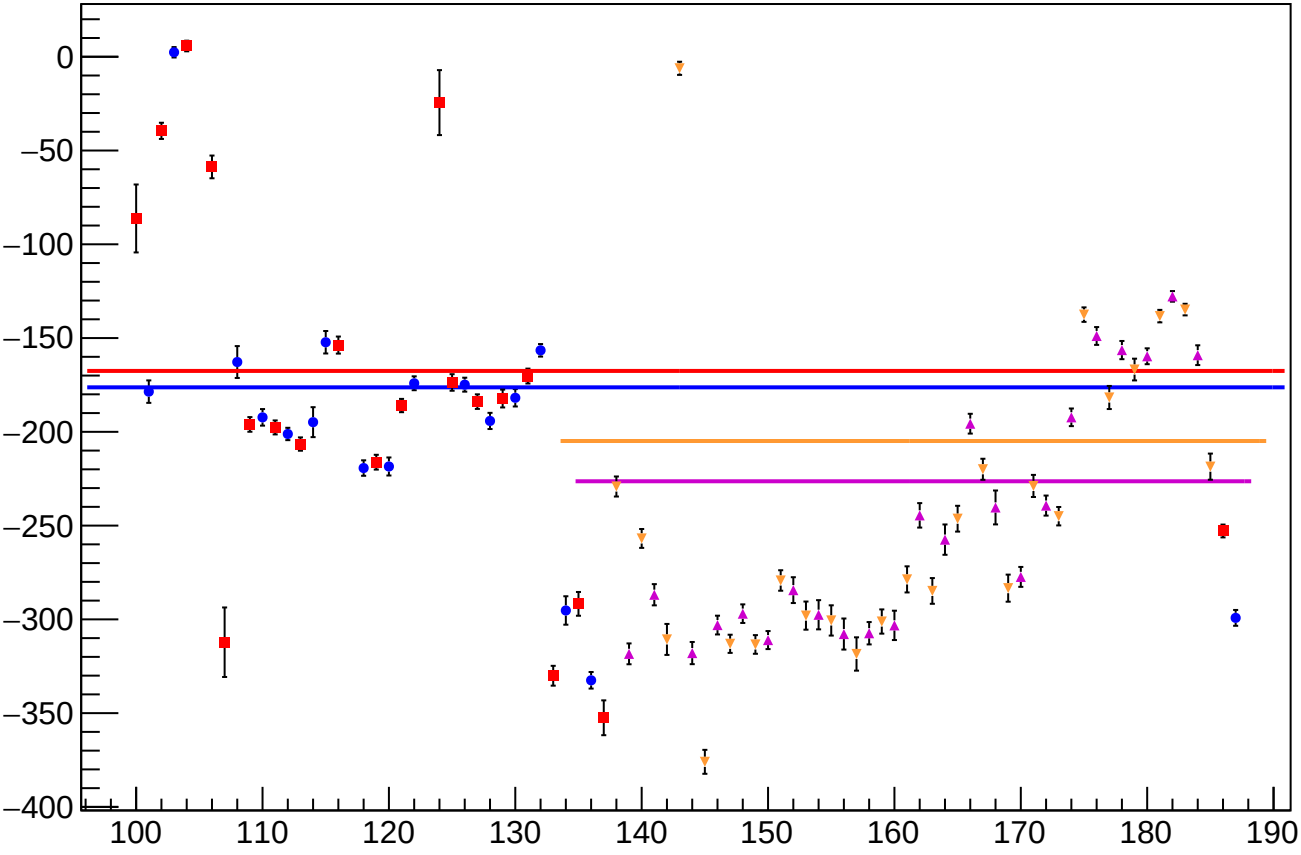
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -254.122+/-0.069 χ^2/NDF: 220072.0/41

All: -251.697+/-0.049 χ^2/NDF: 367743.4/84

- sign -249.265+/-0.070 χ^2/NDF: 145231.9/42

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -176.274+/-1.042 χ^2/NDF: 6810.7/16

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -167.525+/-0.997 χ^2/NDF: 7878.1/19

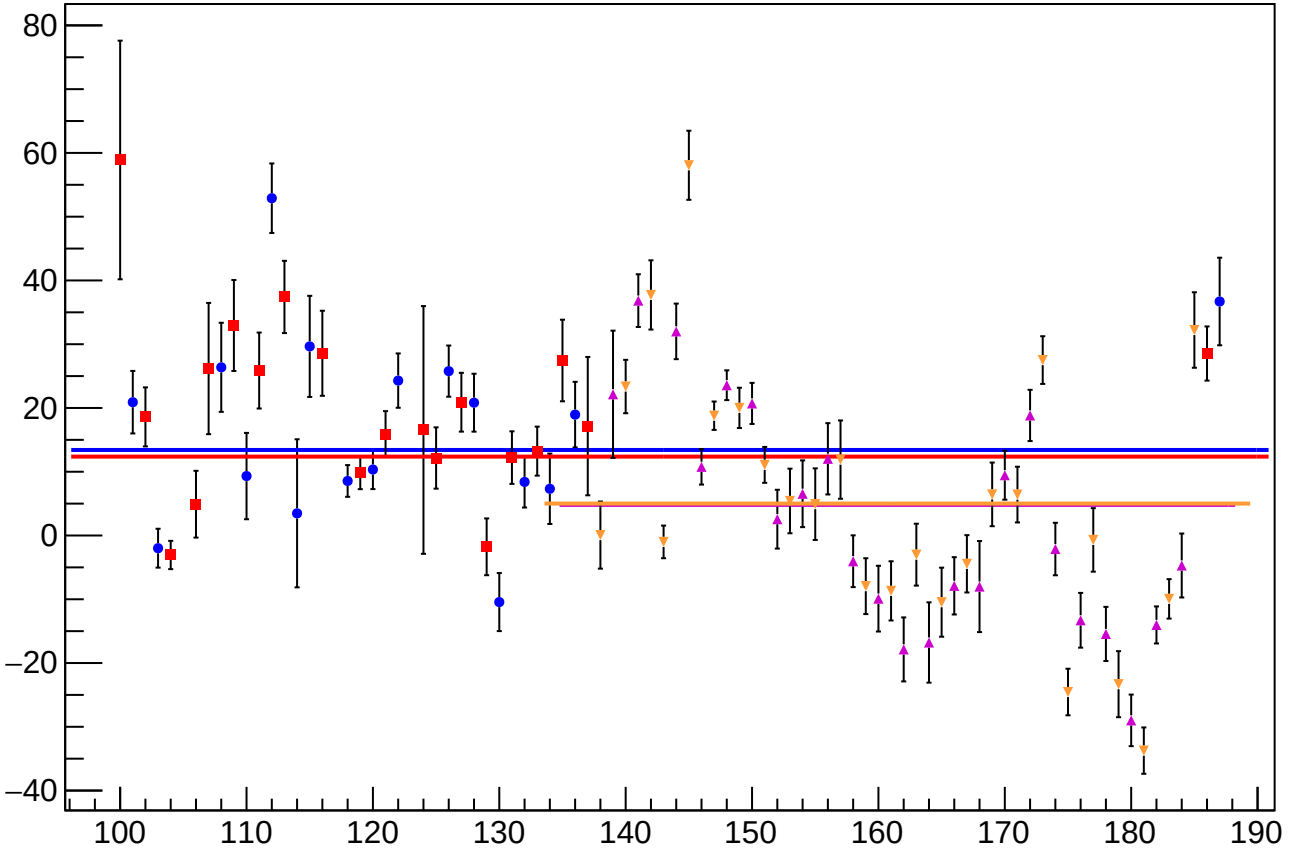
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -190.453+/-0.740 χ^2/NDF: 15010.3/41

All: -192.193+/-0.524 χ^2/NDF: 28681.5/84

- sign -193.933+/-0.740 χ^2/NDF: 13660.1/42

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 13.414+/-1.063 χ^2/NDF: 155.5/16

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 12.374+/-1.006 χ^2/NDF: 134.9/19

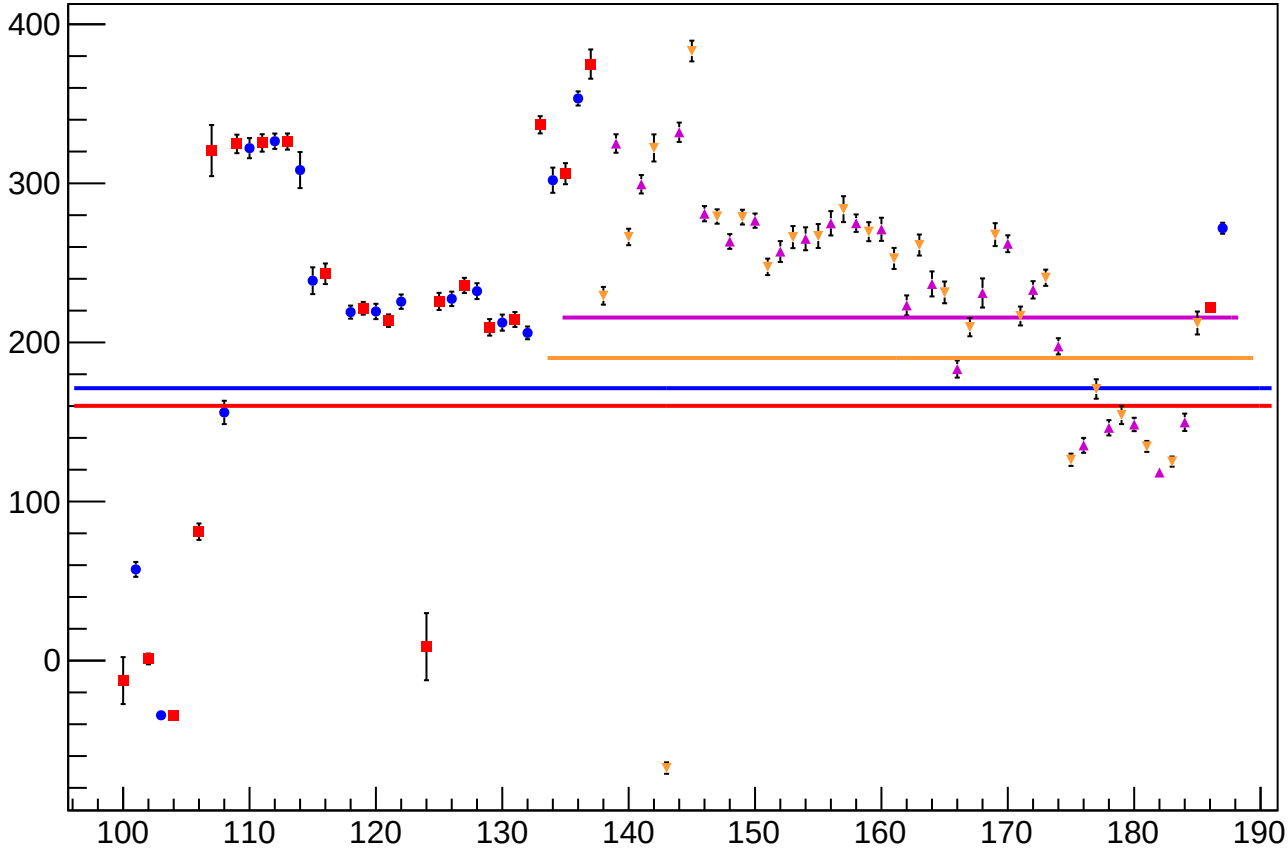
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 8.012+/-0.636 χ^2/NDF: 744.1/41

All: 7.976+/-0.454 χ^2/NDF: 1338.5/84

- sign 7.939+/-0.648 χ^2/NDF: 594.4/42

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 171.250+/-1.082 χ^2/NDF: 14880.8/16

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 160.144+/-1.026 χ^2/NDF: 16863.2/19

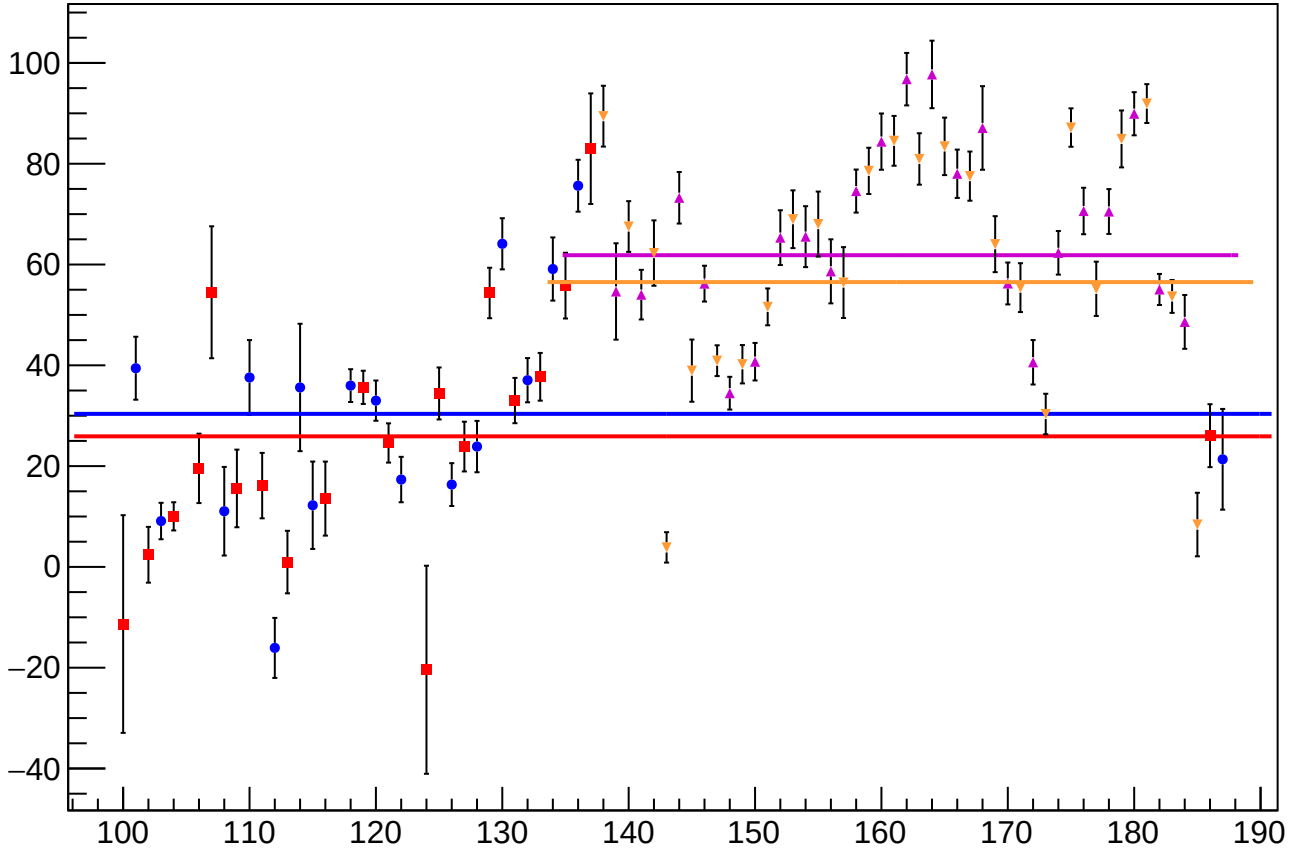
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 181.021+/-0.754 χ^2/NDF: 24423.0/41

All: 183.524+/-0.531 χ^2/NDF: 46558.5/84

- sign 186.001+/-0.750 χ^2/NDF: 22113.6/42

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 30.368+/-1.245 χ^2/NDF: 277.8/16

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

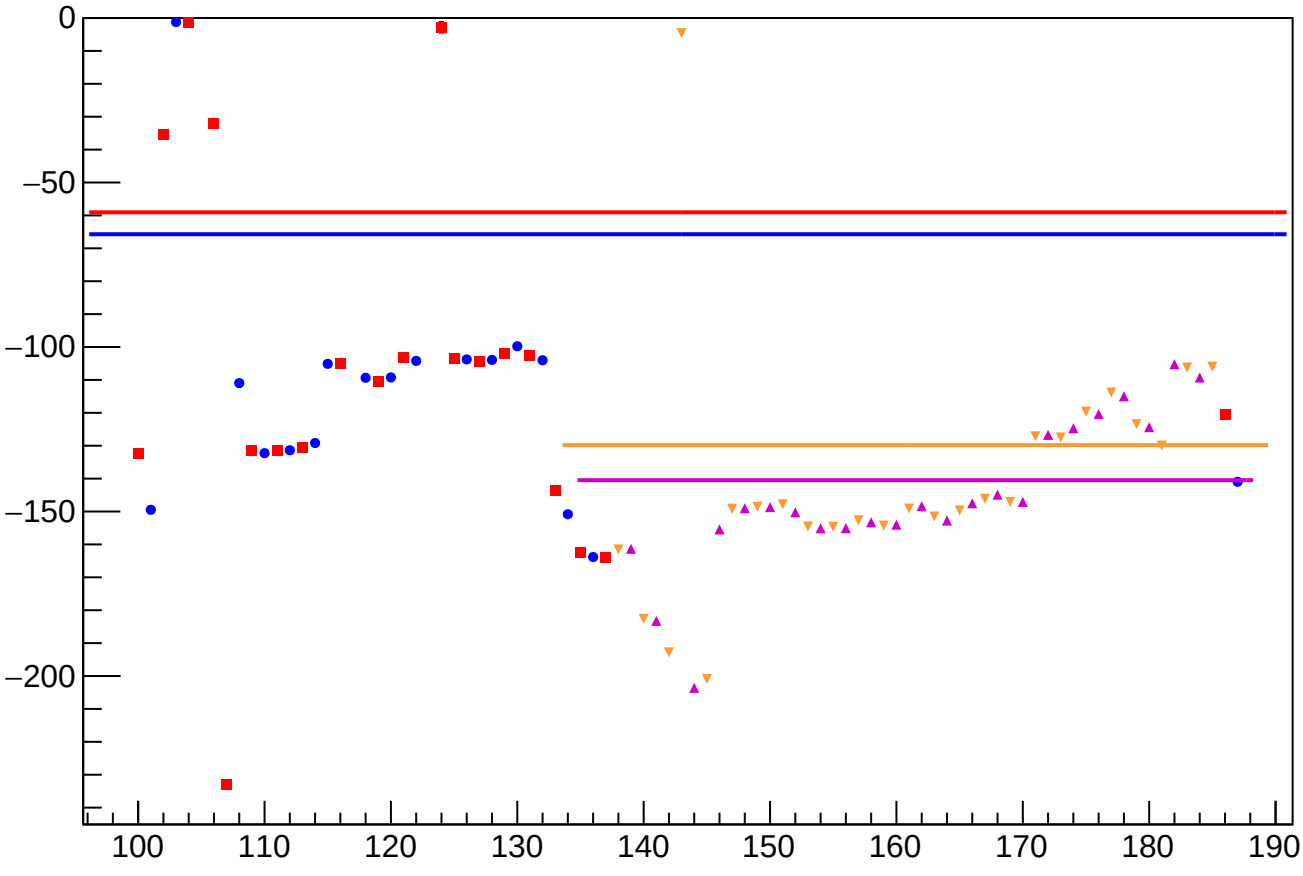
Right Out: 25.908+/-1.191 χ^2/NDF: 187.8/19

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 47.420+/-0.734 χ^2/NDF: 1364.4/41

All: 47.541+/-0.524 χ^2/NDF: 2424.4/84

- sign 47.666+/-0.748 χ^2/NDF: 1060.0/42



Right In: -65.720+/-0.063 χ^2/NDF: 1063050.1/16

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -59.061+/-0.062 χ^2/NDF: 895372.3/19

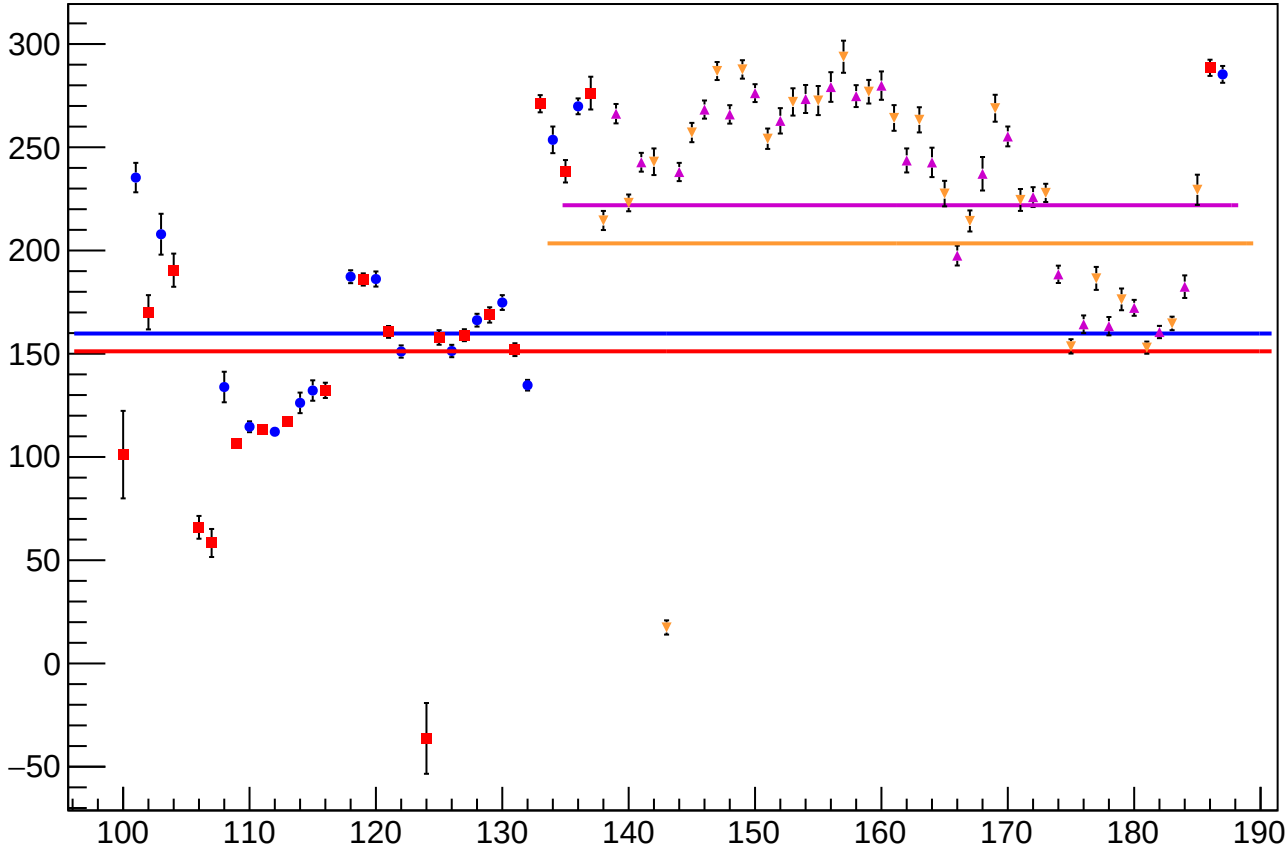
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -110.145+/-0.035 χ^2/NDF: 2797114.8/41

All: -111.659+/-0.025 χ^2/NDF: 5114830.4/84

- sign -113.216+/-0.036 χ^2/NDF: 2313943.1/42

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 159.794+/-0.850 χ^2/NDF: 3270.9/16

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 151.176+/-0.808 χ^2/NDF: 4238.8/19

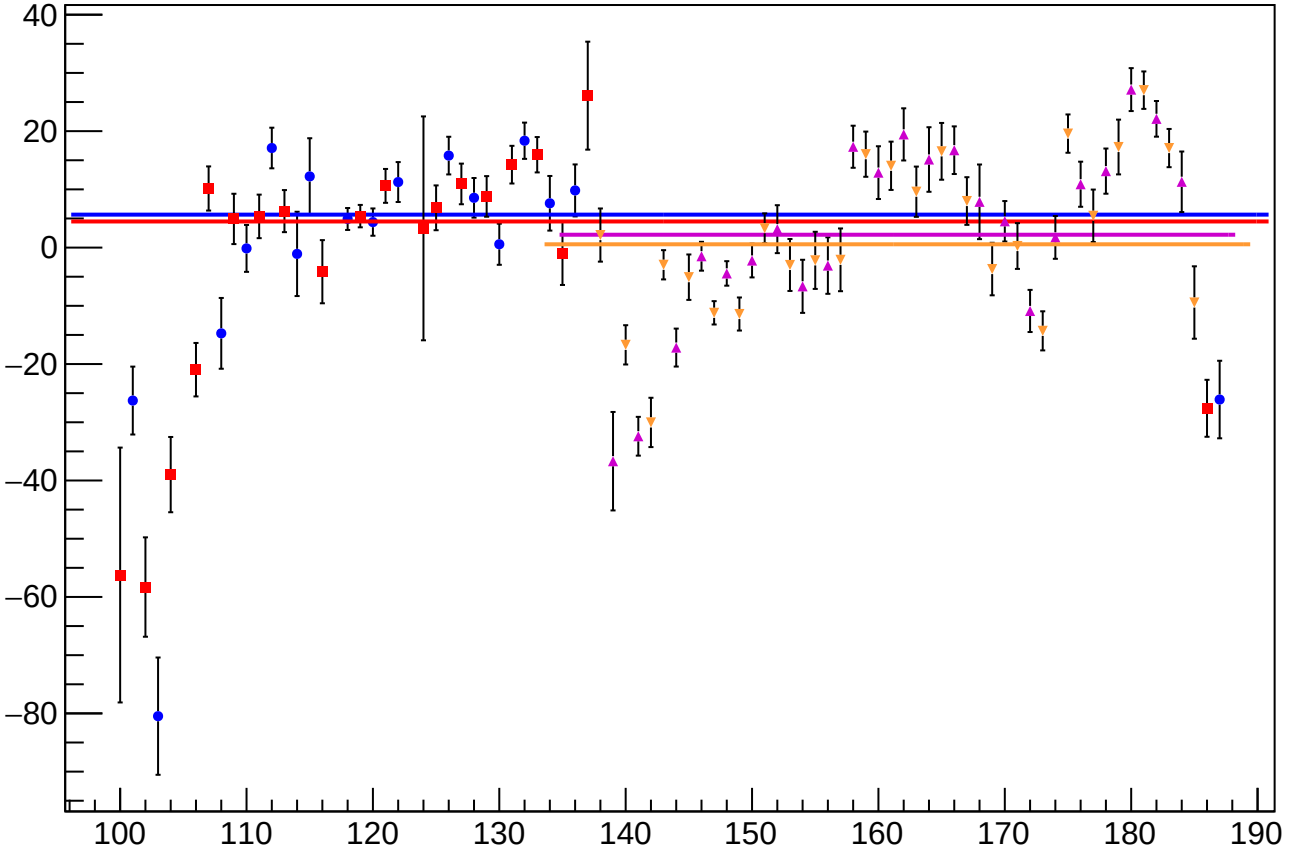
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

\+ sign 179.139+/-0.634 χ^2/NDF: 9931.3/41

All: 179.086+/-0.447 χ^2/NDF: 19173.5/84

\- sign 179.033+/-0.629 χ^2/NDF: 9242.2/42

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 5.662+/-0.882 χ^2/NDF: 185.2/16

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 4.487+/-0.875 χ^2/NDF: 225.6/19

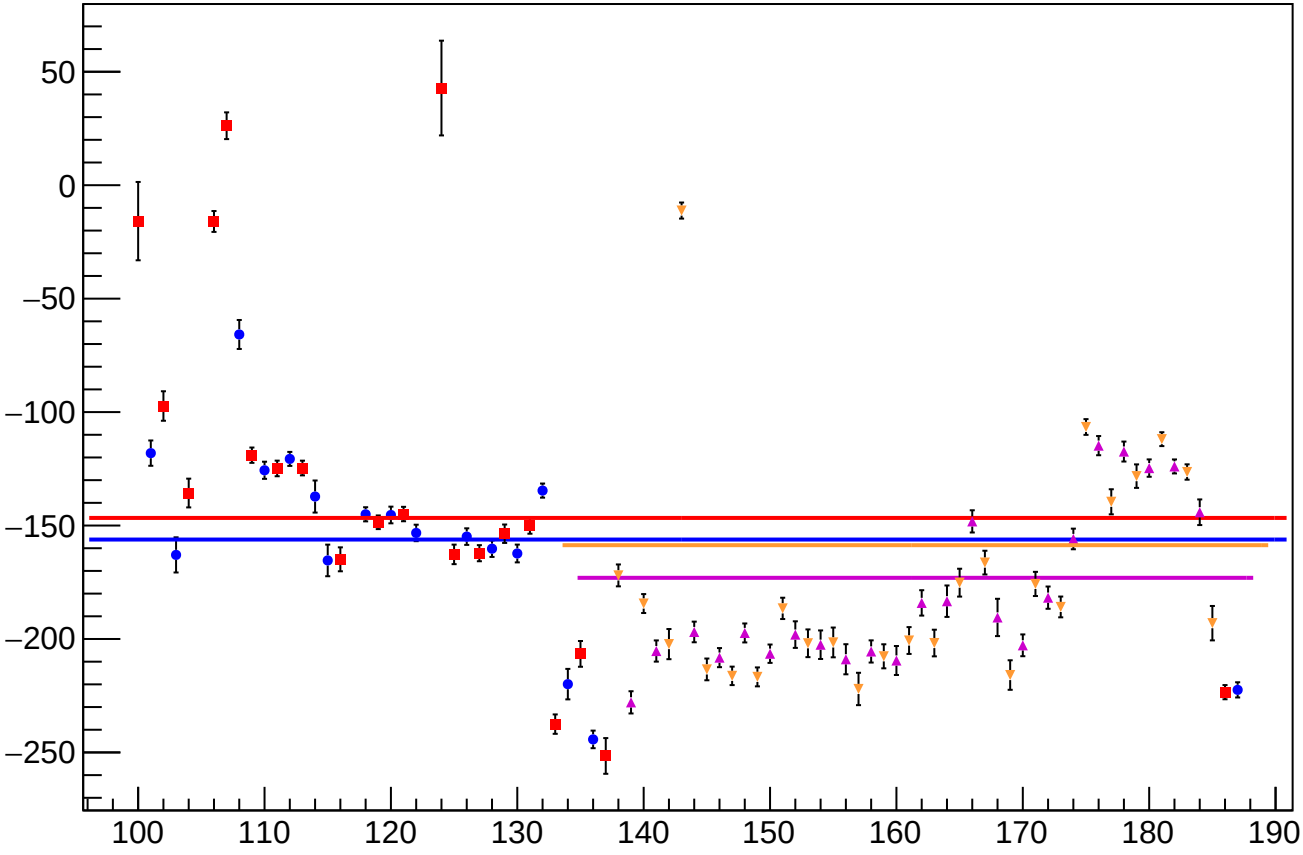
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 2.589+/-0.556 χ^2/NDF: 550.8/41

All: 2.880+/-0.399 χ^2/NDF: 1138.9/84

- sign 3.189+/-0.574 χ^2/NDF: 587.6/42

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -156.174+/-0.981 χ^2/NDF: 1526.8/16

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -146.645+/-0.947 χ^2/NDF: 3413.2/19

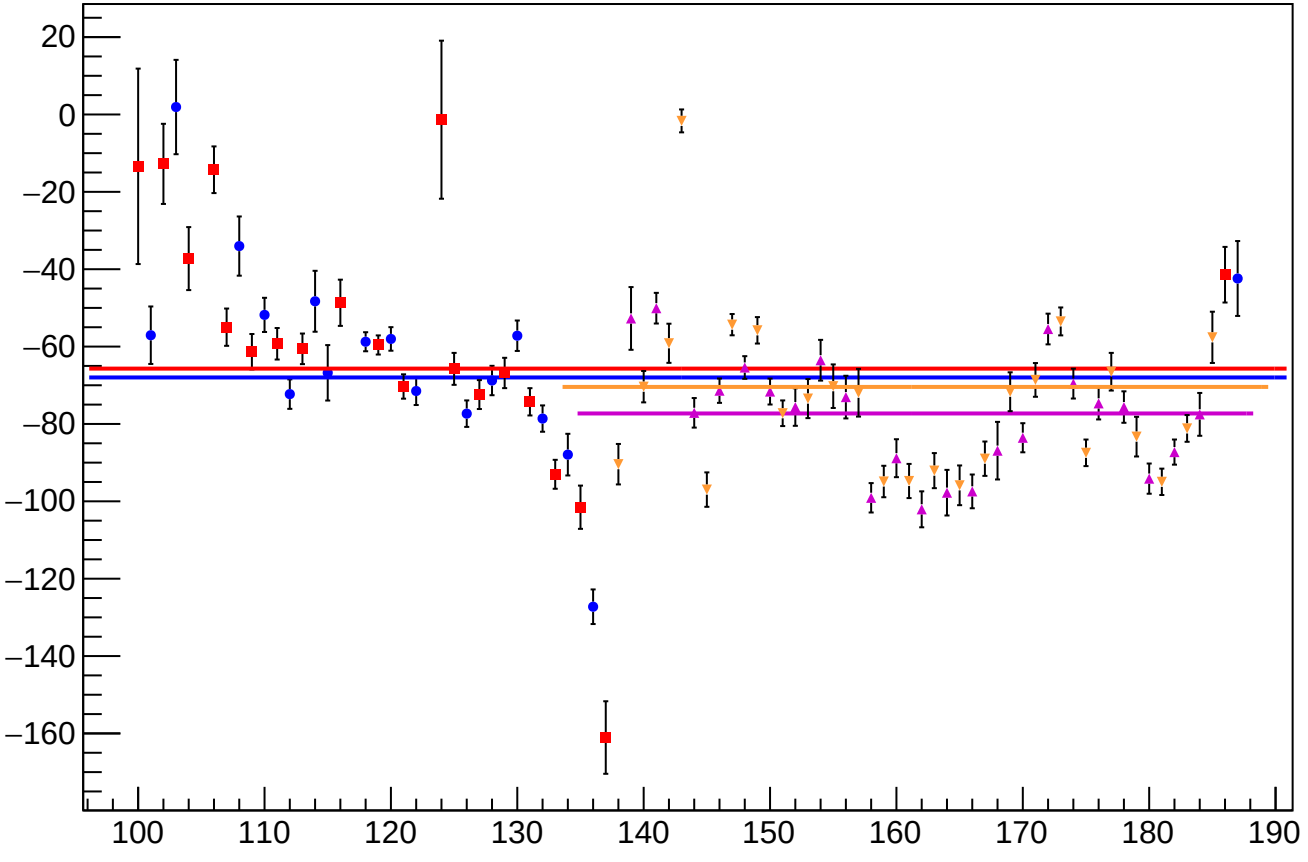
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -157.454+/-0.683 χ^2/NDF: 5021.8/41

All: -158.315+/-0.484 χ^2/NDF: 10207.3/84

- sign -159.184+/-0.686 χ^2/NDF: 5182.3/42

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -67.980+/-1.027 χ^2/NDF: 322.5/16

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -65.693+/-1.014 χ^2/NDF: 370.0/19

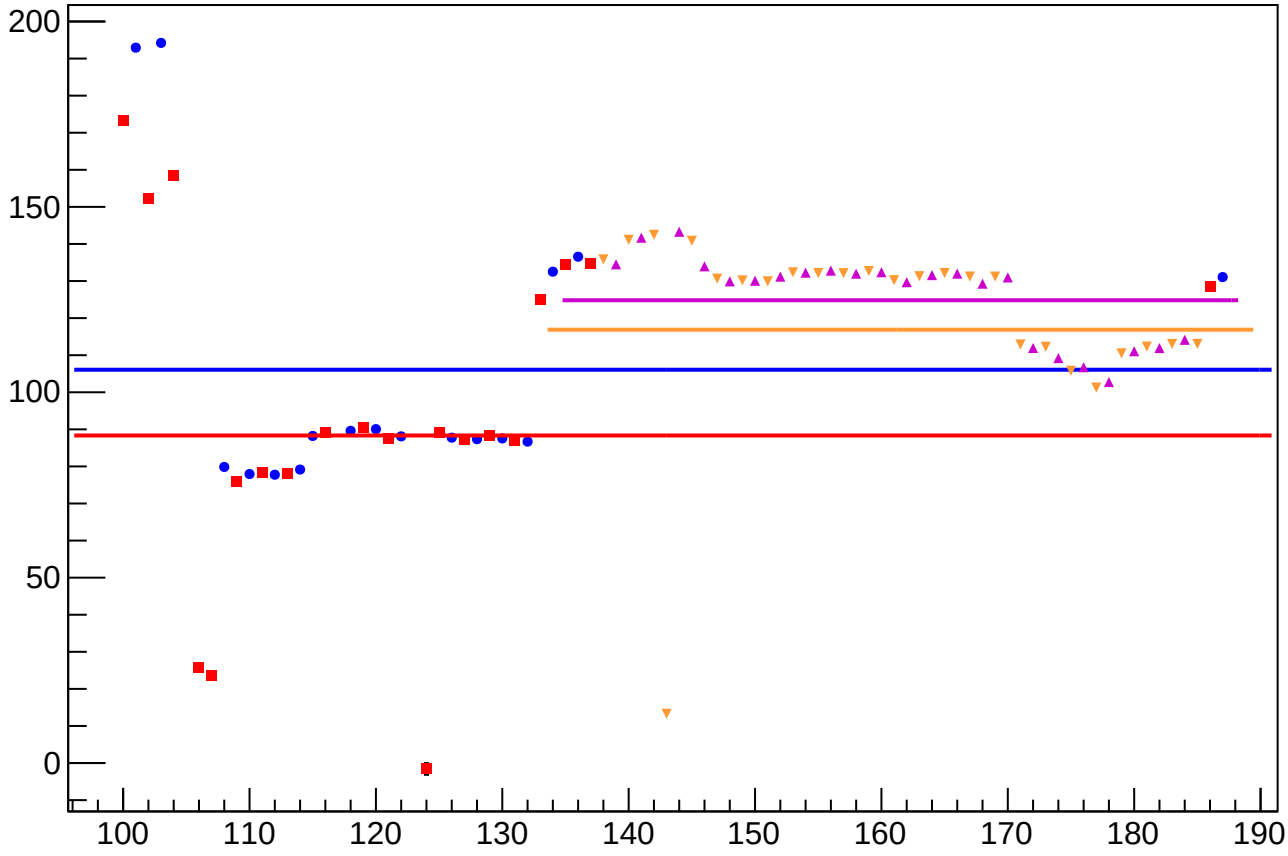
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -69.473+/-0.642 χ^2/NDF: 1227.6/41

All: -70.898+/-0.459 χ^2/NDF: 1937.6/84

- sign -72.398+/-0.658 χ^2/NDF: 699.9/42

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 106.079+/-0.070 χ^2/NDF: 241841.1/16

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 88.343+/-0.065 χ^2/NDF: 380799.6/19

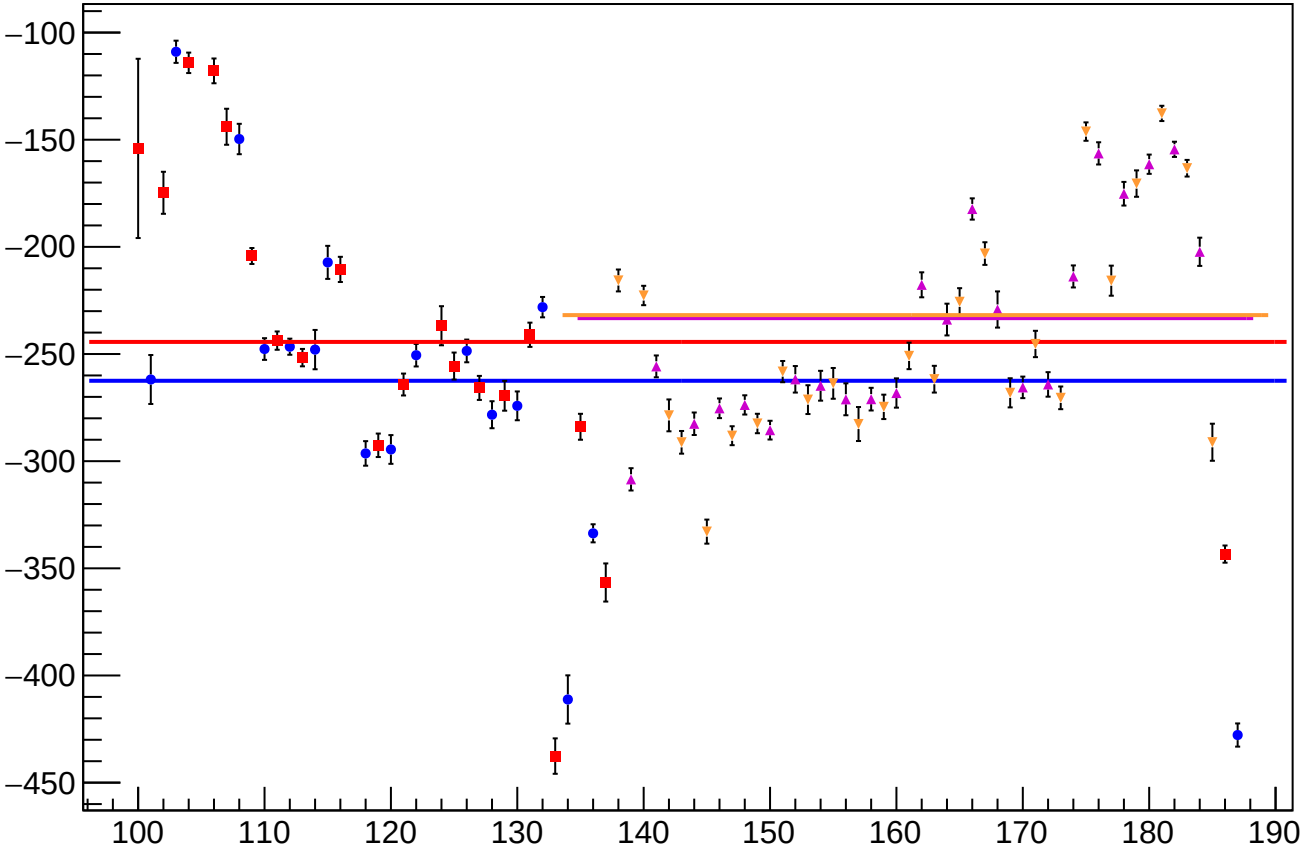
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 114.424+/-0.033 χ^2/NDF: 883234.1/41

All: 114.742+/-0.024 χ^2/NDF: 1582402.7/84

- sign 115.063+/-0.034 χ^2/NDF: 698987.7/42

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -262.488+/-1.390 χ^2/NDF: 2734.7/16

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -244.353+/-1.265 χ^2/NDF: 3056.3/19

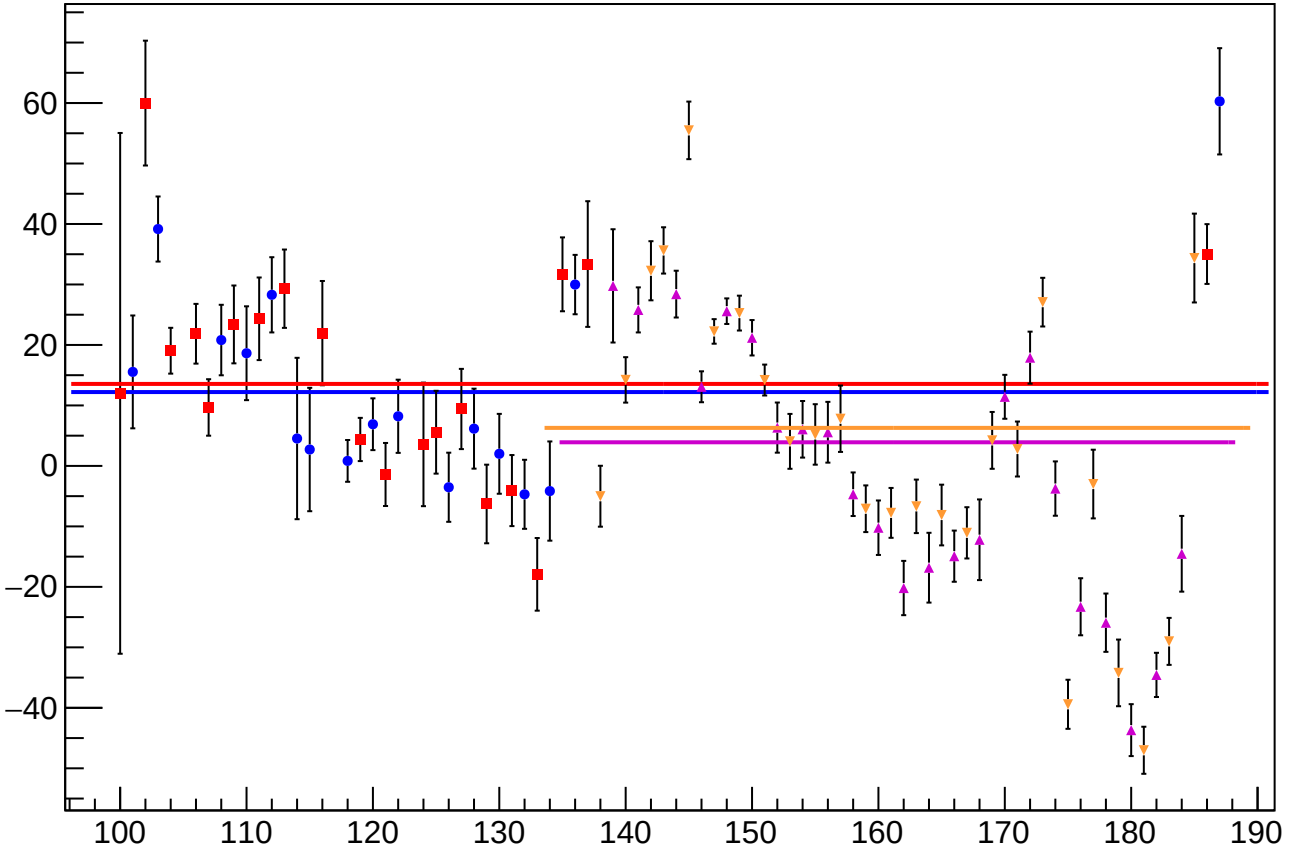
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -243.384+/-0.853 χ^2/NDF: 5714.3/41

All: -240.667+/-0.596 χ^2/NDF: 10901.0/84

- sign -238.072+/-0.833 χ^2/NDF: 5166.8/42

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 12.211+/-1.450 χ^2/NDF: 115.4/16

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 13.556+/-1.318 χ^2/NDF: 132.3/19

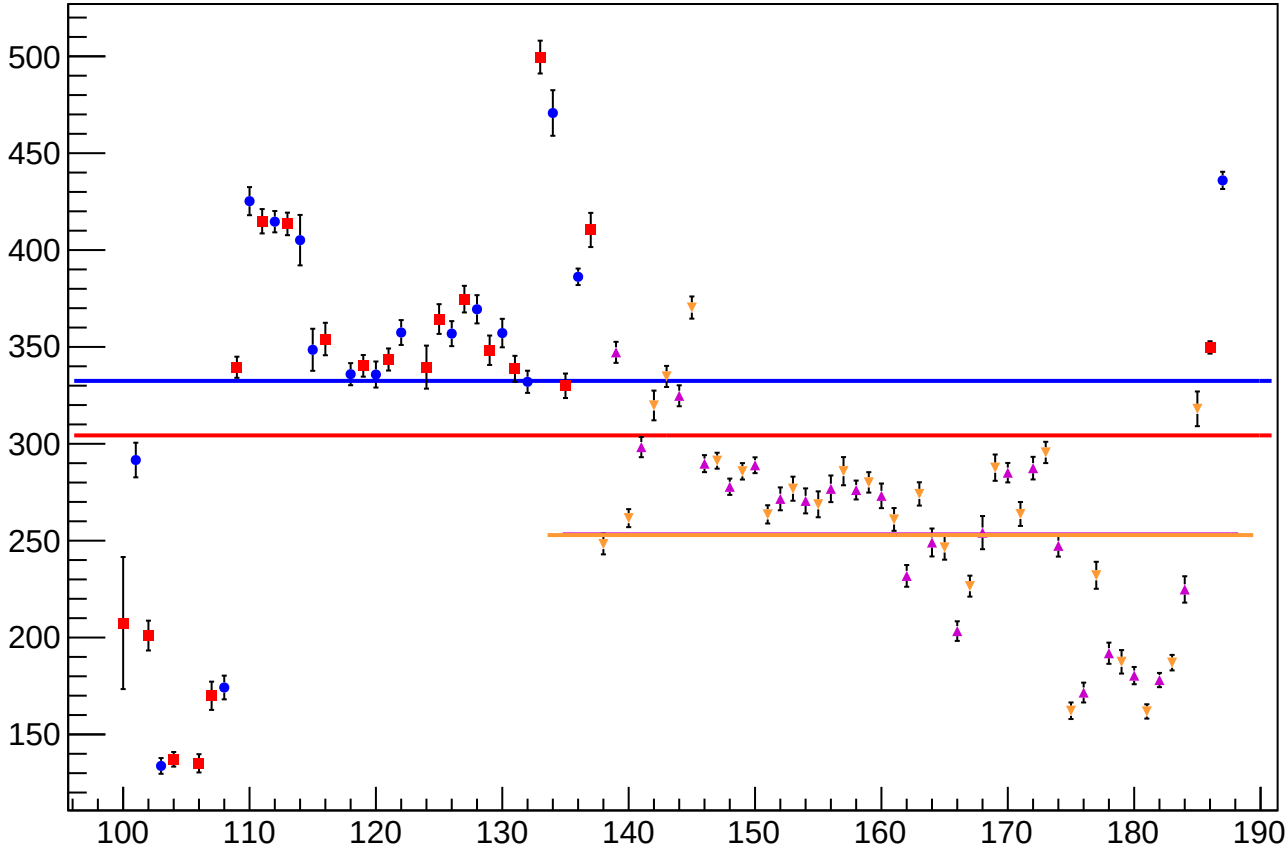
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 7.641+/-0.693 χ^2/NDF: 999.8/41

All: 7.117+/-0.491 χ^2/NDF: 1822.1/84

- sign 6.590+/-0.695 χ^2/NDF: 821.2/42

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 332.471+/-1.494 χ^2/NDF: 4404.1/16

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 304.337+/-1.344 χ^2/NDF: 5748.8/19

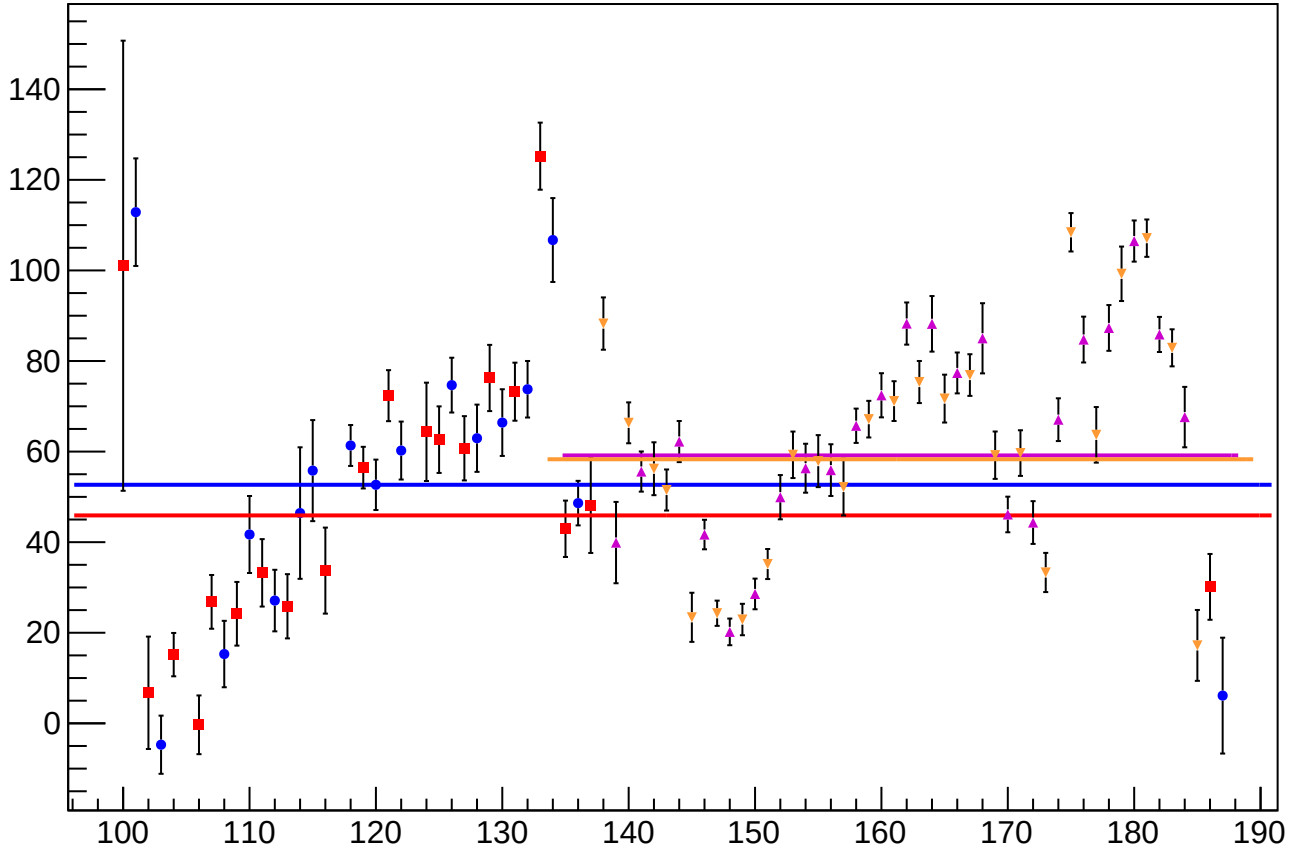
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 279.887+/-0.870 χ^2/NDF: 8858.4/41

All: 276.661+/-0.607 χ^2/NDF: 17563.3/84

- sign 273.596+/-0.848 χ^2/NDF: 8678.1/42

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 52.672+/-1.684 χ^2/NDF: 230.7/16

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 45.907+/-1.556 χ^2/NDF: 330.6/19

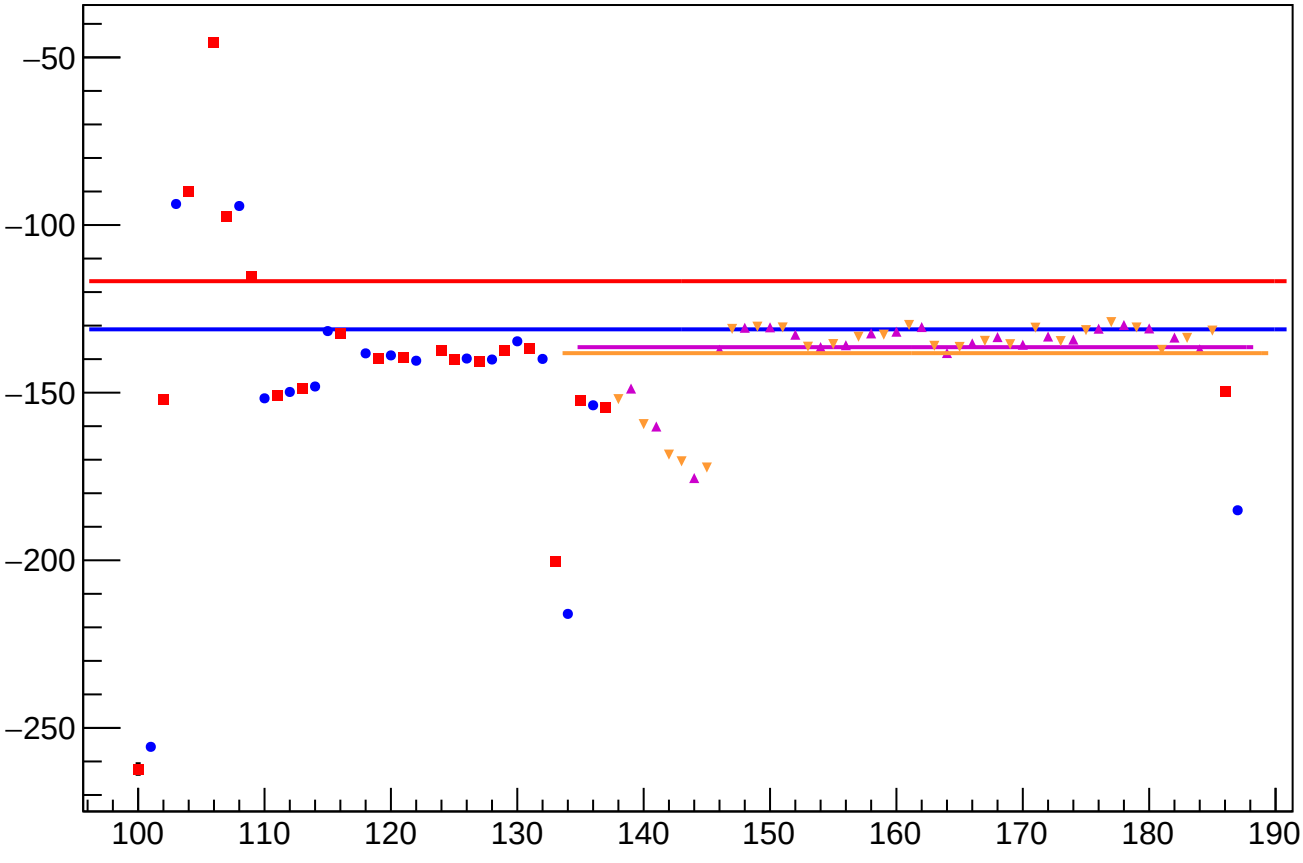
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 57.030+/-0.802 χ^2/NDF: 1089.6/41

All: 56.327+/-0.568 χ^2/NDF: 2107.2/84

- sign 55.620+/-0.804 χ^2/NDF: 1016.1/42

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -131.115+/-0.090 χ^2/NDF: 180015.5/16

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -116.749+/-0.085 χ^2/NDF: 209953.1/19

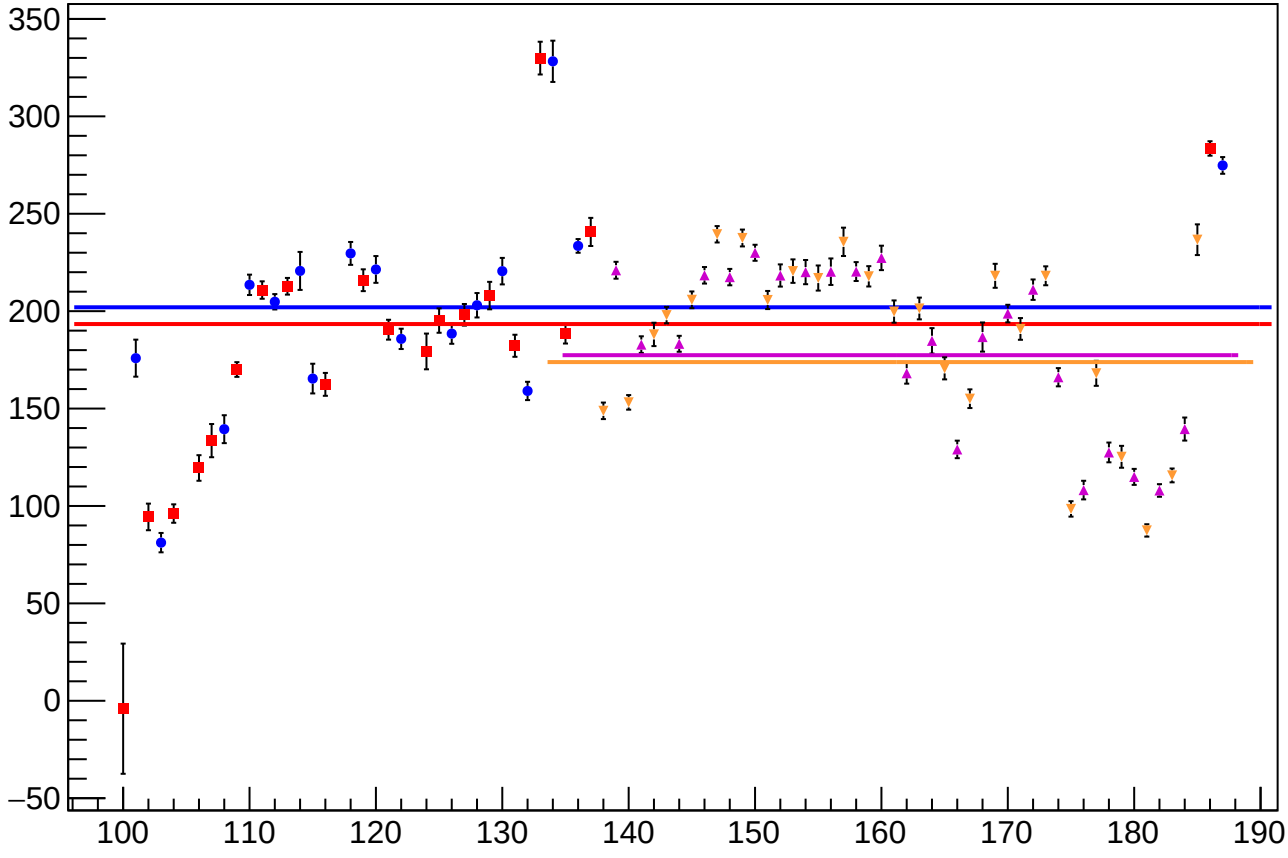
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -136.931+/-0.038 χ^2/NDF: 266904.9/41

All: -134.657+/-0.027 χ^2/NDF: 576678.2/84

- sign -132.409+/-0.038 χ^2/NDF: 302820.7/42

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 201.990+/-1.337 χ^2/NDF: 1354.1/16

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 193.384+/-1.245 χ^2/NDF: 1870.9/19

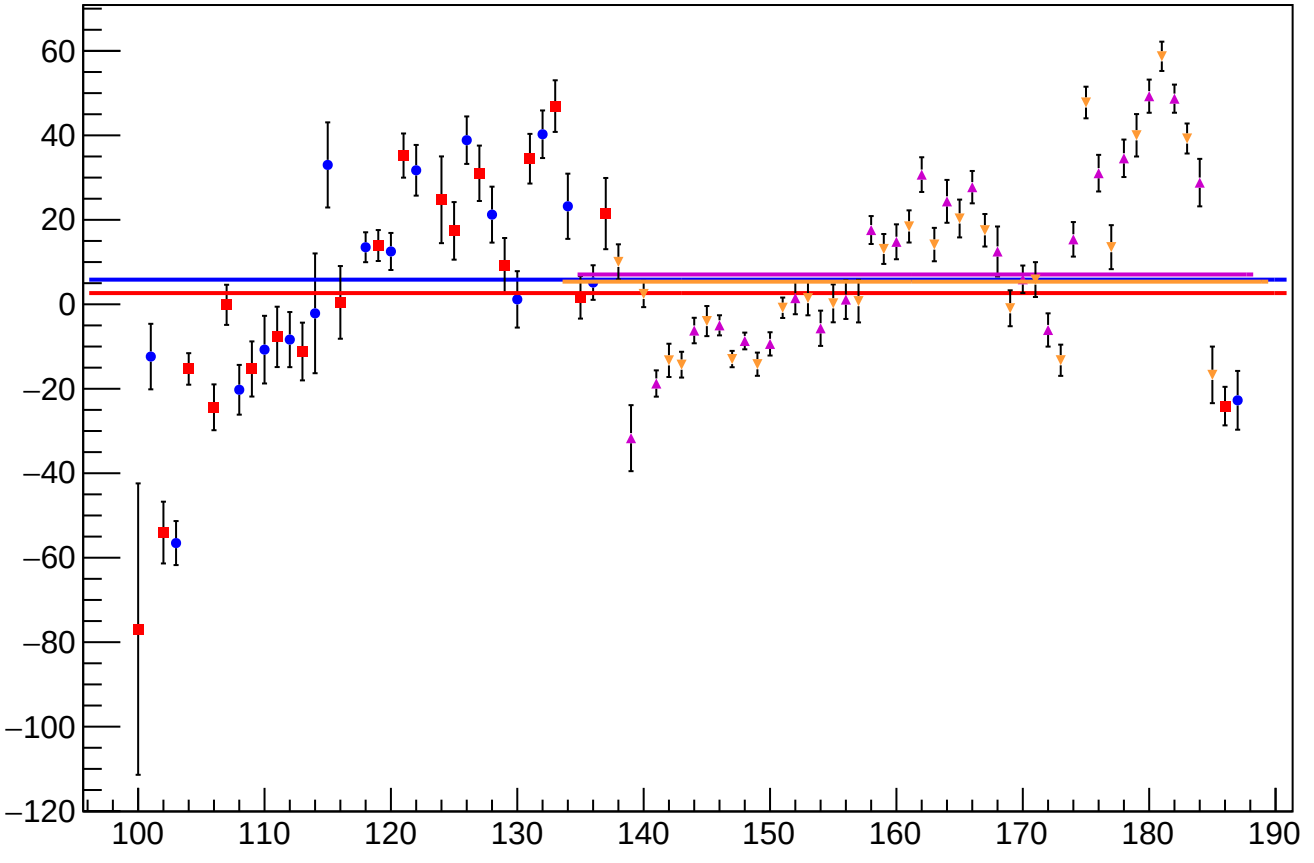
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 183.461+/-0.781 χ^2/NDF: 4273.4/41

All: 183.549+/-0.551 χ^2/NDF: 8207.8/84

- sign 183.635+/-0.778 χ^2/NDF: 3934.4/42

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 5.838+/-1.413 χ^2/NDF: 310.1/16

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: 2.656+/-1.299 χ^2/NDF: 326.0/19

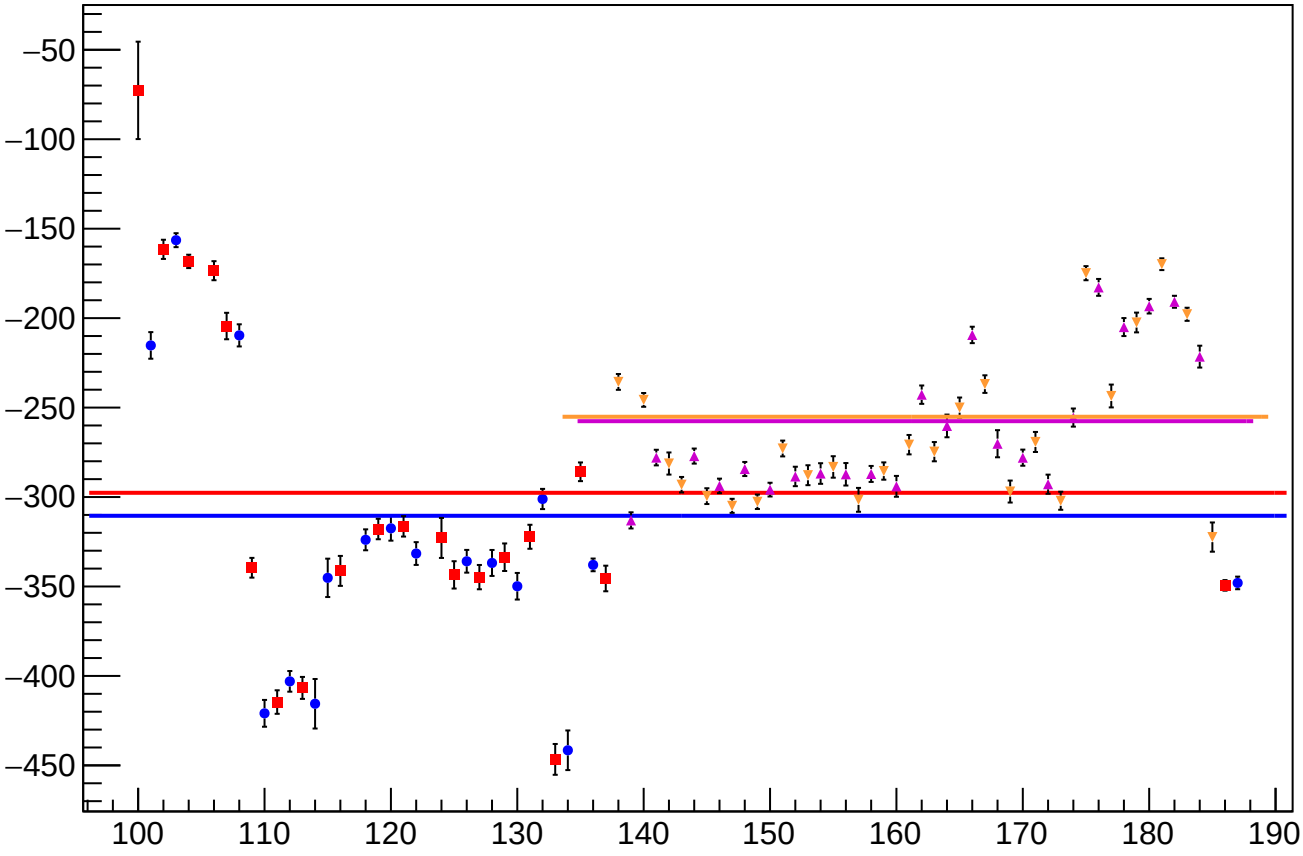
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 5.459+/-0.635 χ^2/NDF: 1120.2/41

All: 5.715+/-0.452 χ^2/NDF: 2164.8/84

- sign 5.978+/-0.644 χ^2/NDF: 1044.3/42

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -310.483+/-1.403 χ^2/NDF: 2920.3/16

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -297.633+/-1.302 χ^2/NDF: 4135.7/19

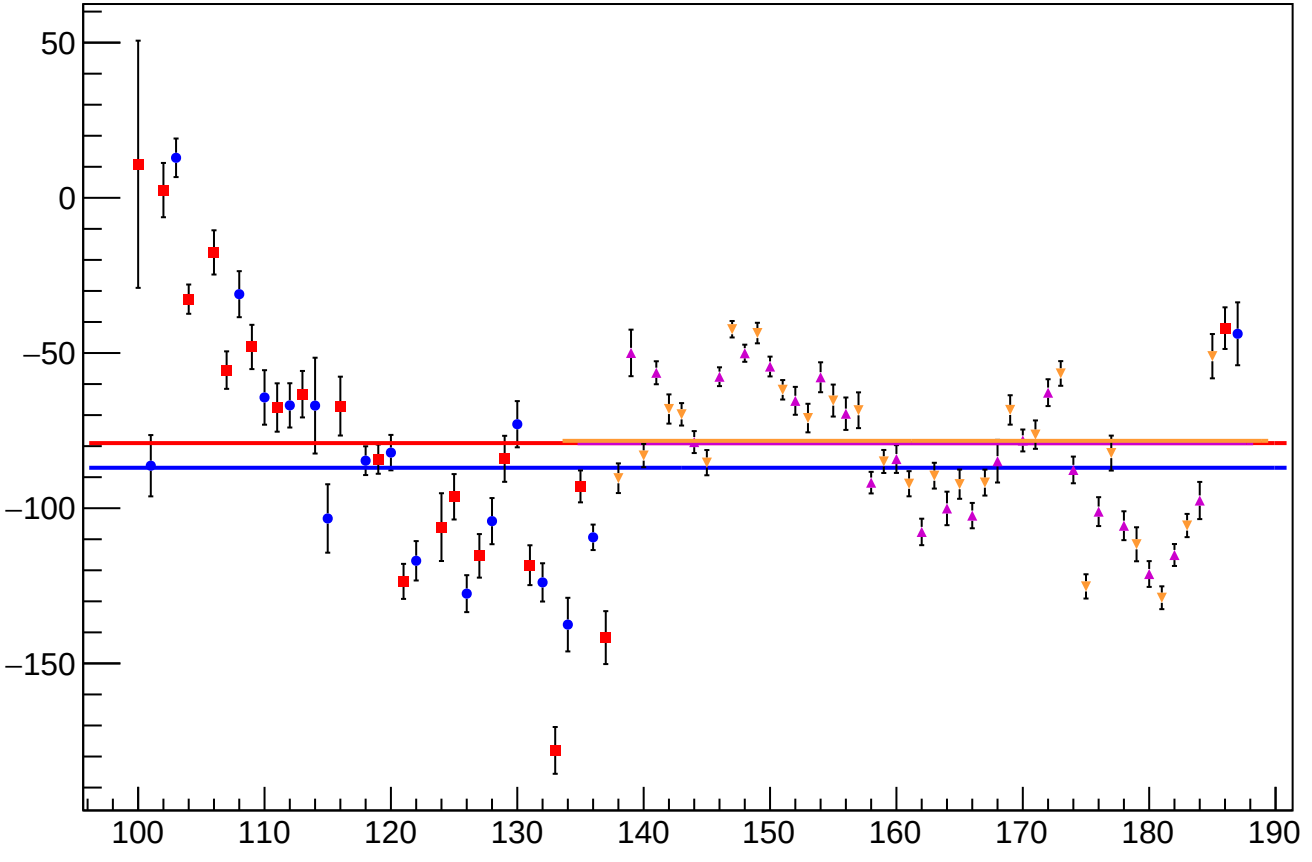
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -272.676+/-0.790 χ^2/NDF: 6327.8/41

All: -272.419+/-0.557 χ^2/NDF: 12873.0/84

- sign -272.165+/-0.786 χ^2/NDF: 6545.0/42

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -86.968+/-1.633 χ^2/NDF: 530.6/16

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -79.020+/-1.528 χ^2/NDF: 709.7/19

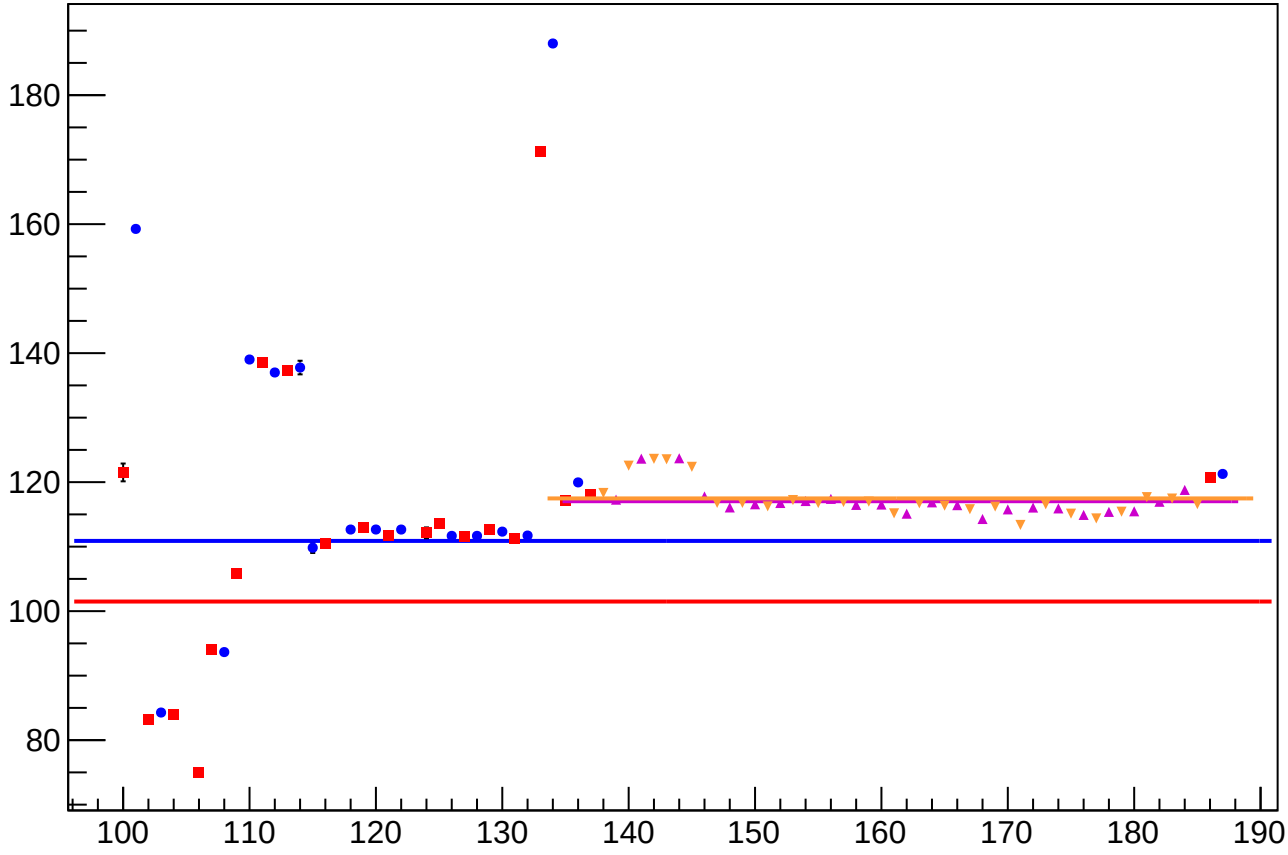
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

\+ sign -80.034+/-0.732 χ^2/NDF: 1421.3/41

All: -79.552+/-0.521 χ^2/NDF: 2834.5/84

\- sign -79.055+/-0.742 χ^2/NDF: 1412.3/42

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 110.889+/-0.085 χ^2/NDF: 83865.3/16

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 101.489+/-0.080 χ^2/NDF: 63636.1/19

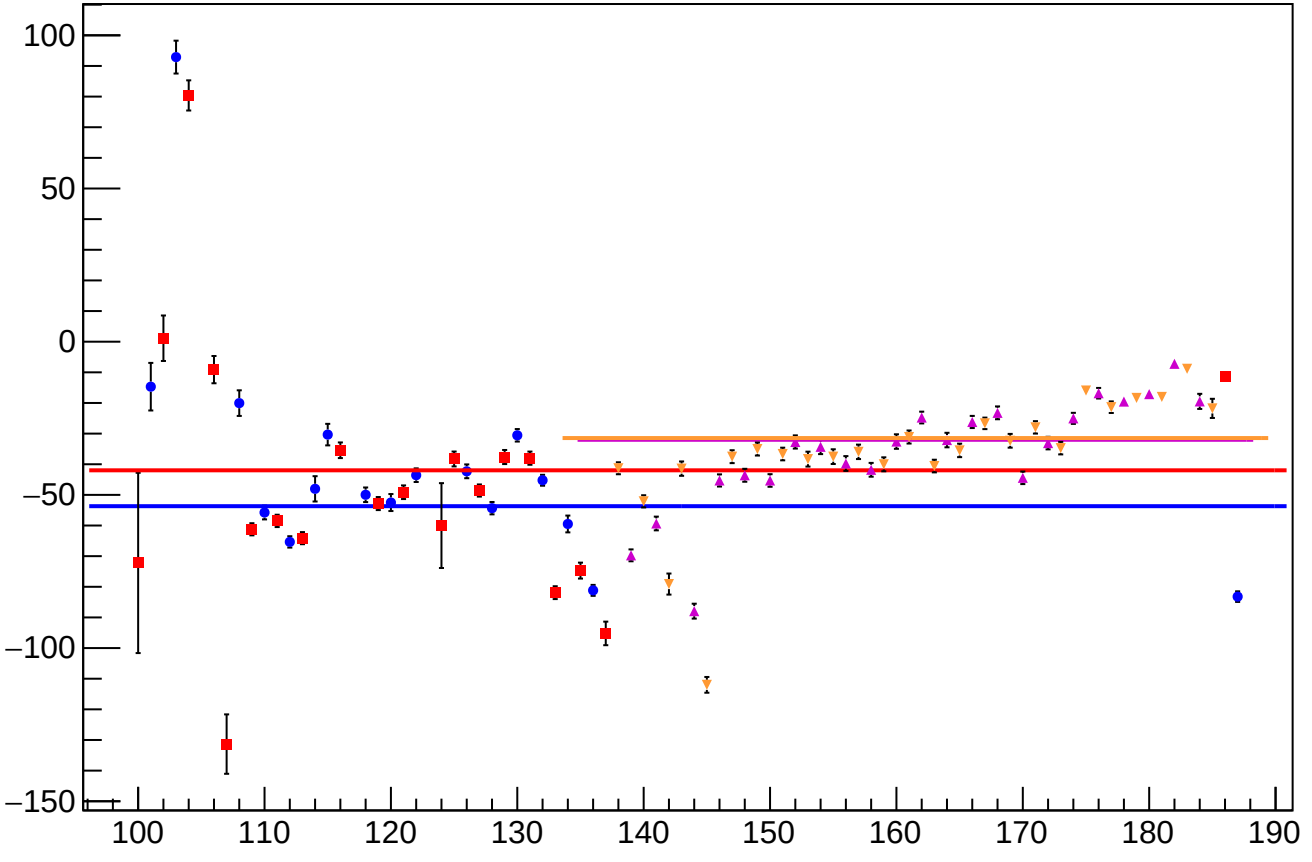
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.376+/-0.035 χ^2/NDF: 93625.2/41

All: 115.240+/-0.025 χ^2/NDF: 193512.4/84

- sign 114.099+/-0.035 χ^2/NDF: 97736.9/42

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -53.689+/-0.575 χ^2/NDF: 1655.9/16

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -41.982+/-0.524 χ^2/NDF: 2712.8/19

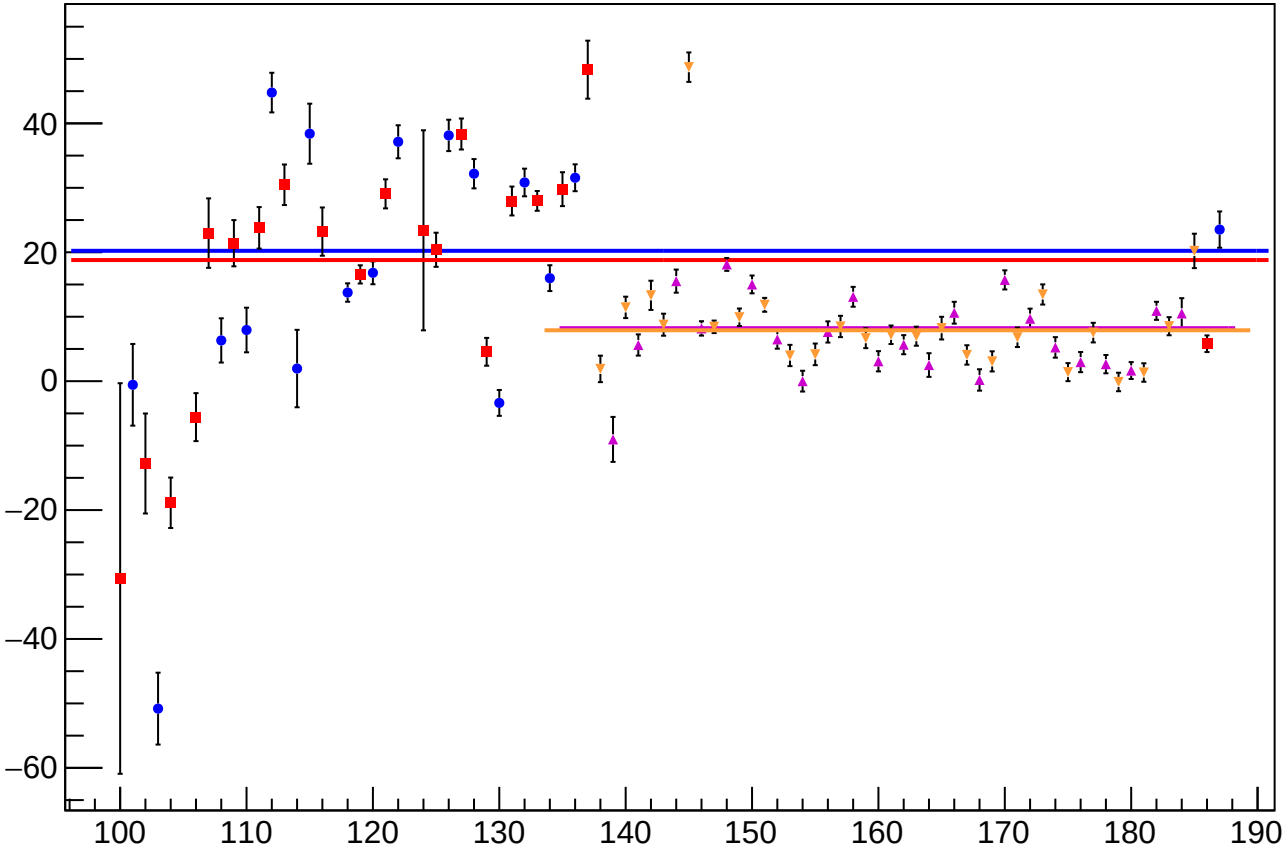
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -38.675+/-0.328 χ^2/NDF: 4657.5/41

All: -37.209+/-0.230 χ^2/NDF: 9547.9/84

- sign -35.790+/-0.322 χ^2/NDF: 4851.0/42

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 20.227+/-0.598 χ^2/NDF: 637.7/16

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 18.793+/-0.560 χ^2/NDF: 520.6/19

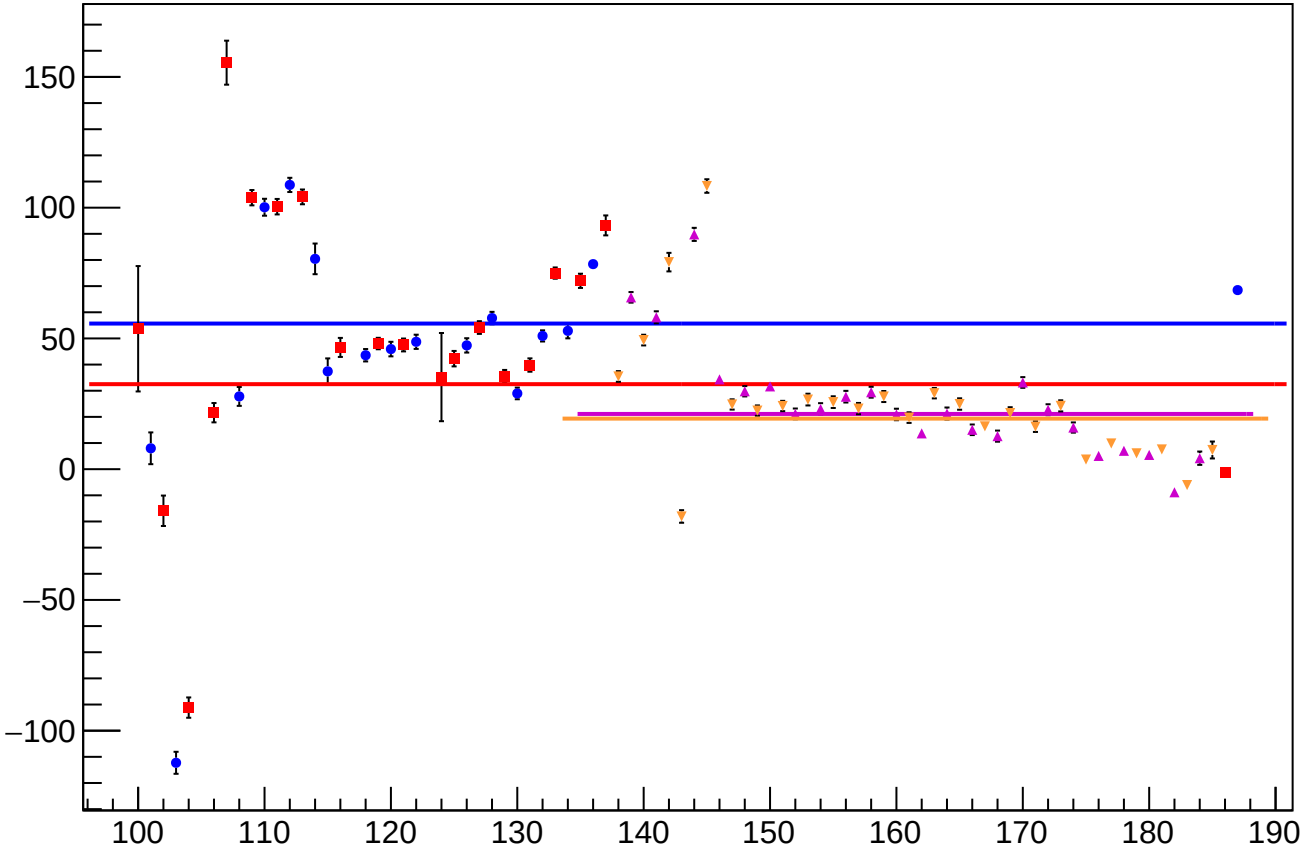
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

\+ sign 10.428+/-0.271 χ^2/NDF: 1466.1/41

All: 10.594+/-0.193 χ^2/NDF: 2596.3/84

\- sign 10.766+/-0.275 χ^2/NDF: 1129.5/42

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 55.687+/-0.625 χ^2/NDF: 2760.4/16

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 32.512+/-0.539 χ^2/NDF: 5750.4/19

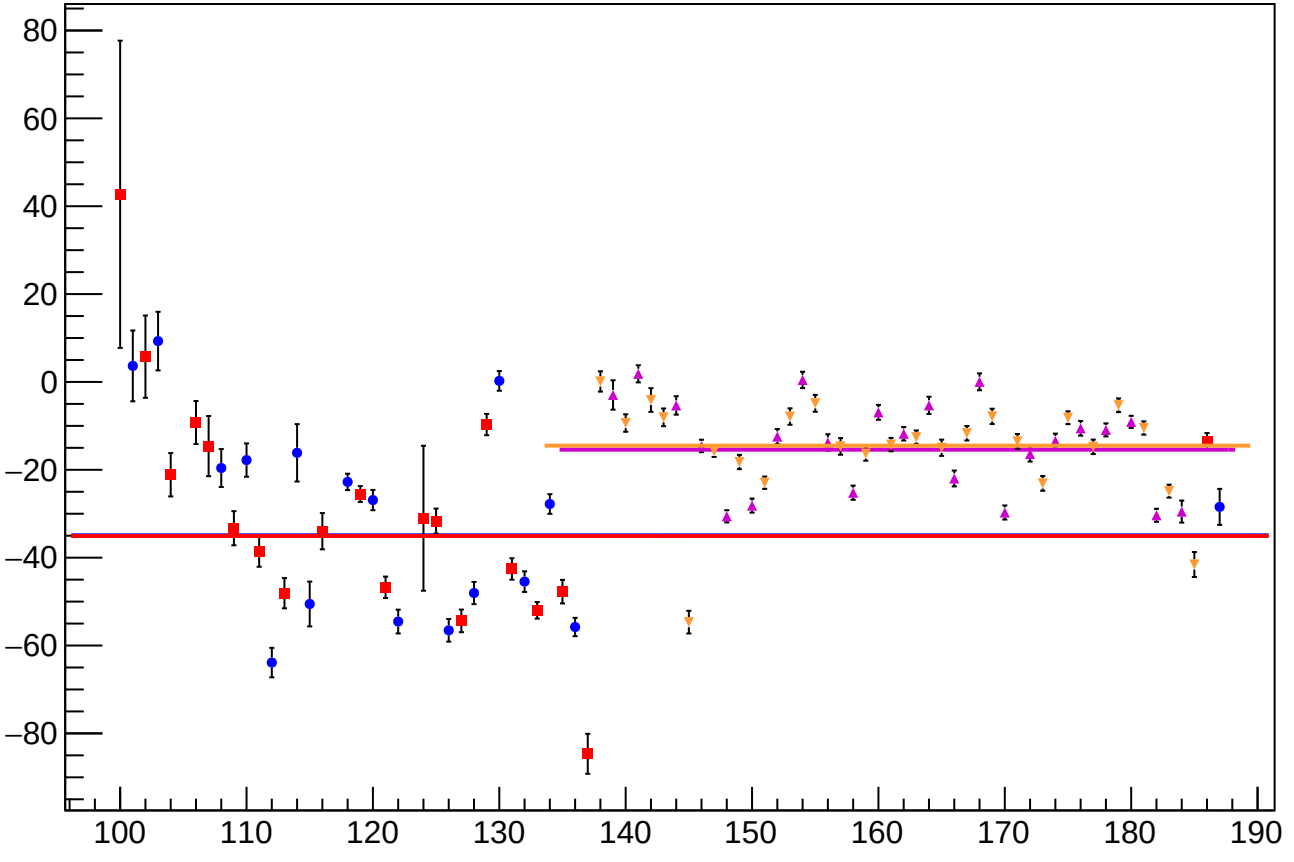
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 29.732+/-0.334 χ^2/NDF: 7857.0/41

All: 27.407+/-0.233 χ^2/NDF: 16491.0/84

- sign 25.226+/-0.324 χ^2/NDF: 8540.3/42

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.915+/-0.690 χ^2/NDF: 775.7/16

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -35.061+/-0.668 χ^2/NDF: 661.6/19

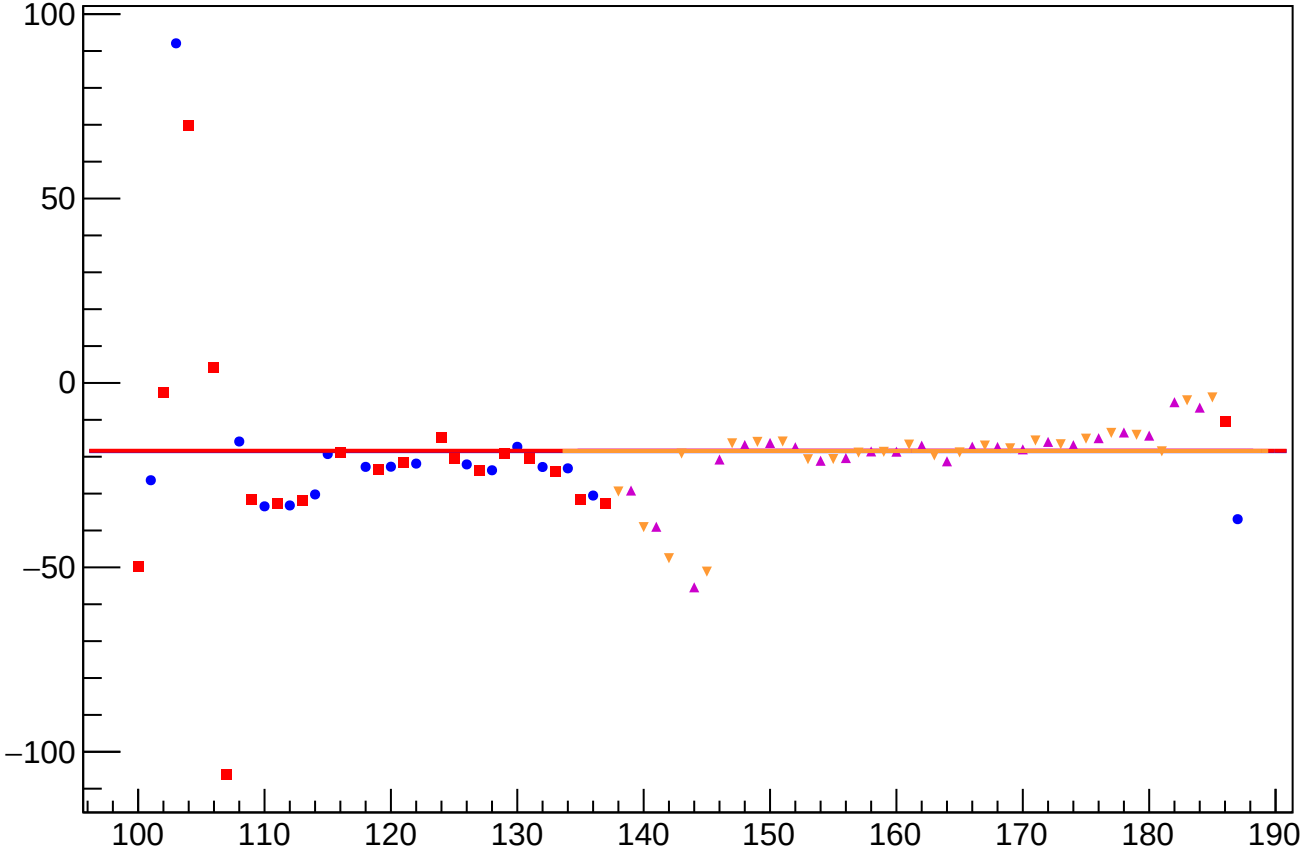
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -18.564+/-0.308 χ^2/NDF: 2117.6/41

All: -19.145+/-0.220 χ^2/NDF: 4259.1/84

- sign -19.748+/-0.314 χ^2/NDF: 2134.2/42

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -18.490+/-0.042 χ^2/NDF: 432986.6/16

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -18.385+/-0.044 χ^2/NDF: 348535.3/19

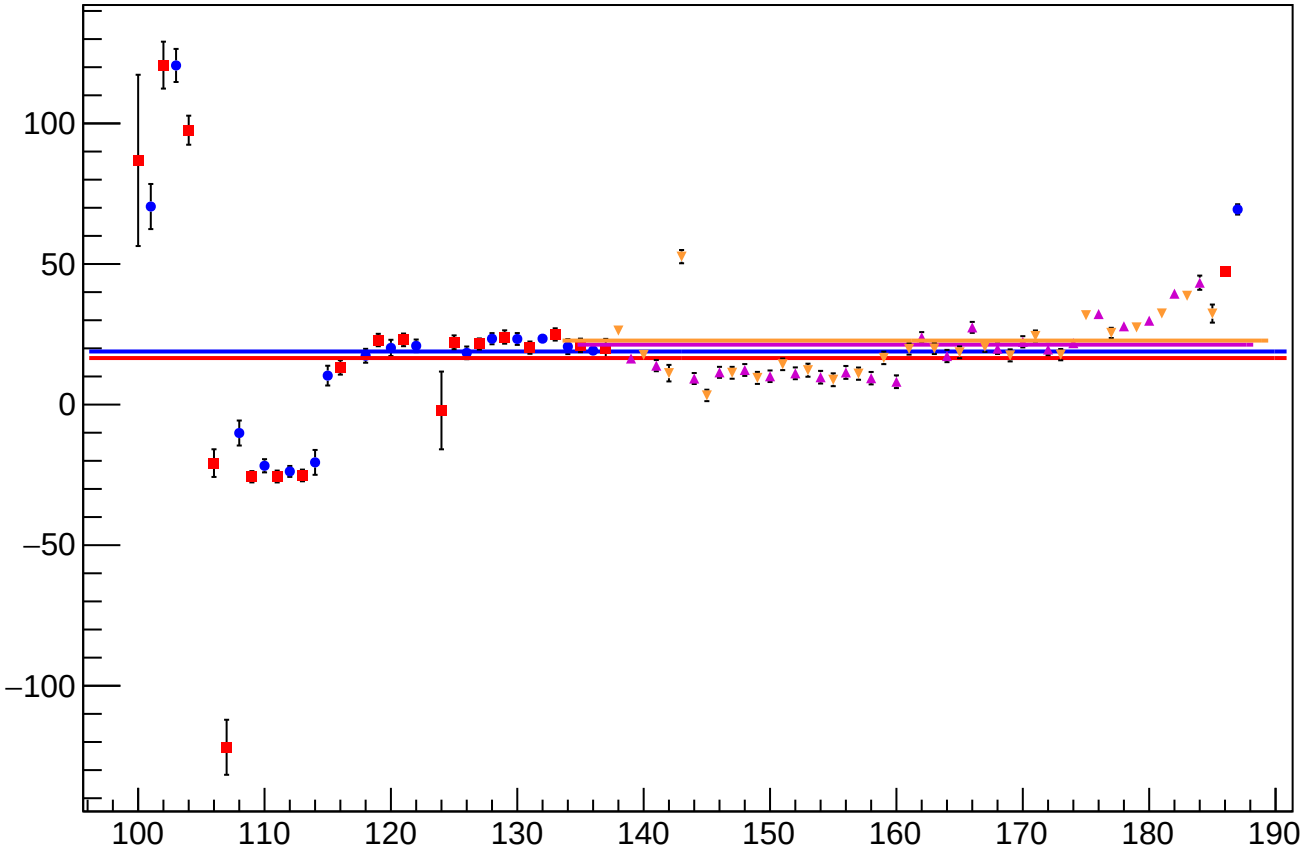
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.454+/-0.015 χ^2/NDF: 728346.6/41

All: -18.417+/-0.010 χ^2/NDF: 1326936.1/84

- sign -18.379+/-0.015 χ^2/NDF: 598576.3/42

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 18.890+/-0.583 χ^2/NDF: 2021.0/16

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 16.552+/-0.555 χ^2/NDF: 2549.8/19

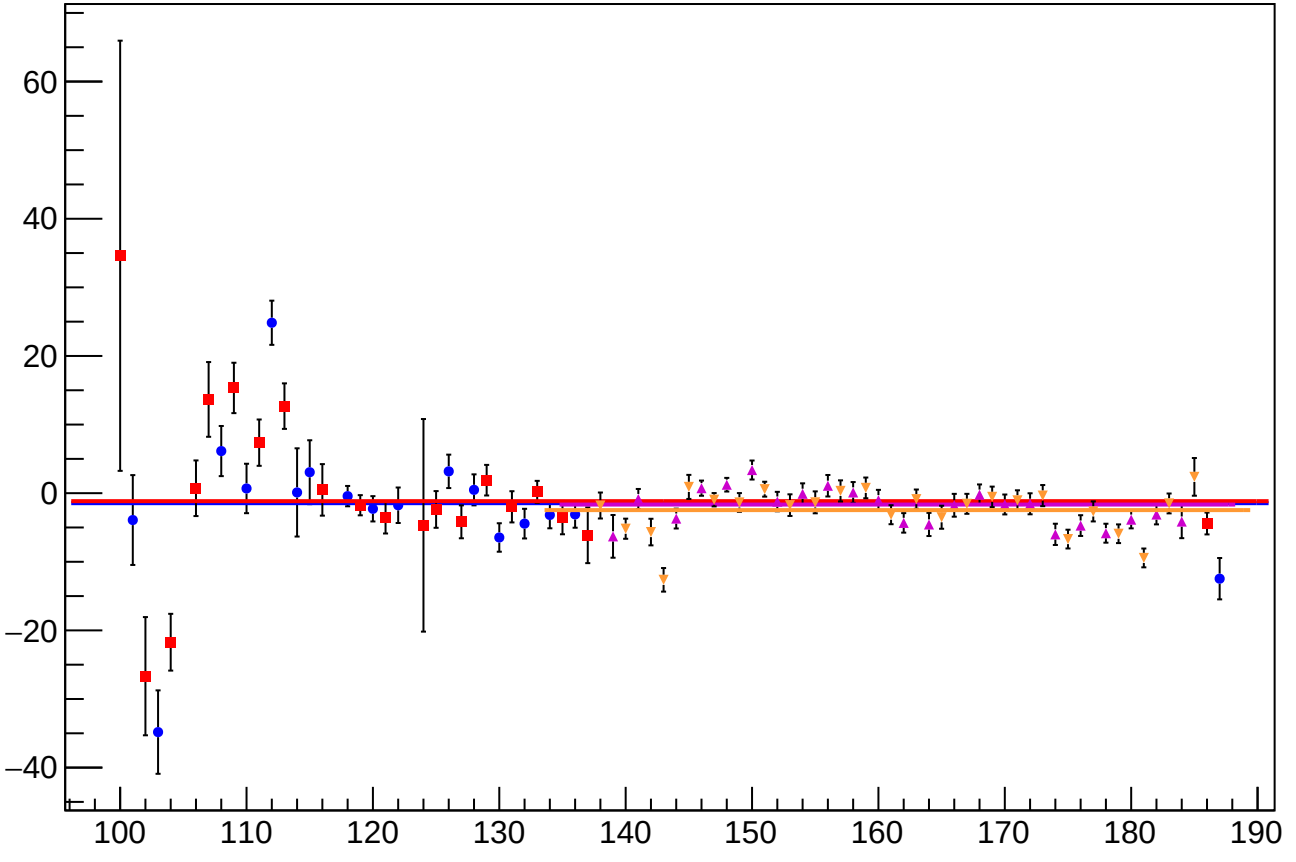
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 21.599+/-0.320 χ^2/NDF: 2774.6/41

All: 20.667+/-0.226 χ^2/NDF: 6020.7/84

- sign 19.730+/-0.321 χ^2/NDF: 3229.0/42

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.458+/-0.607 χ^2/NDF: 130.2/16

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.163+/-0.590 χ^2/NDF: 99.1/19

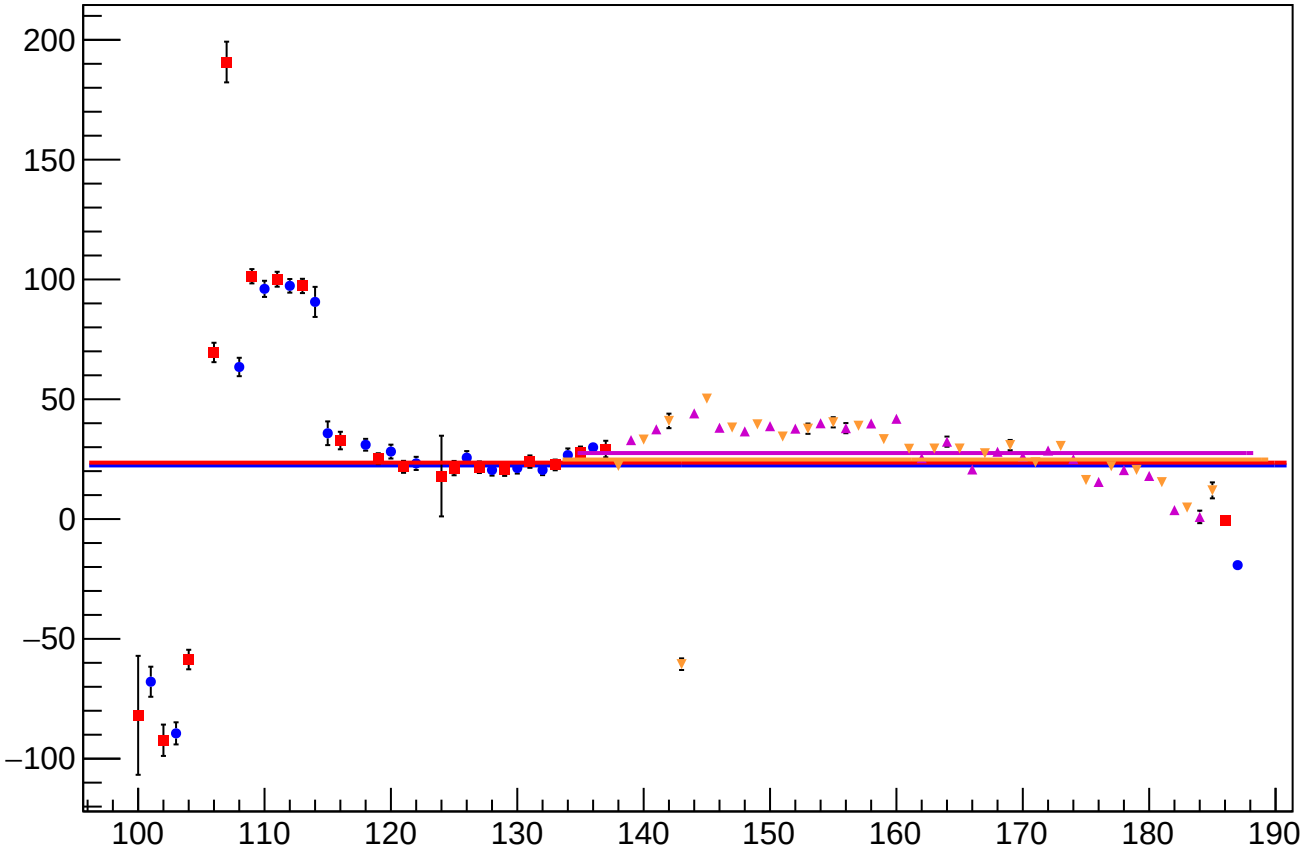
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.277+/-0.264 χ^2/NDF: 249.2/41

All: -1.925+/-0.189 χ^2/NDF: 422.7/84

- sign -1.555+/-0.270 χ^2/NDF: 169.9/42

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 22.384+/-0.635 χ^2/NDF: 3005.9/16

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 23.549+/-0.588 χ^2/NDF: 3725.0/19

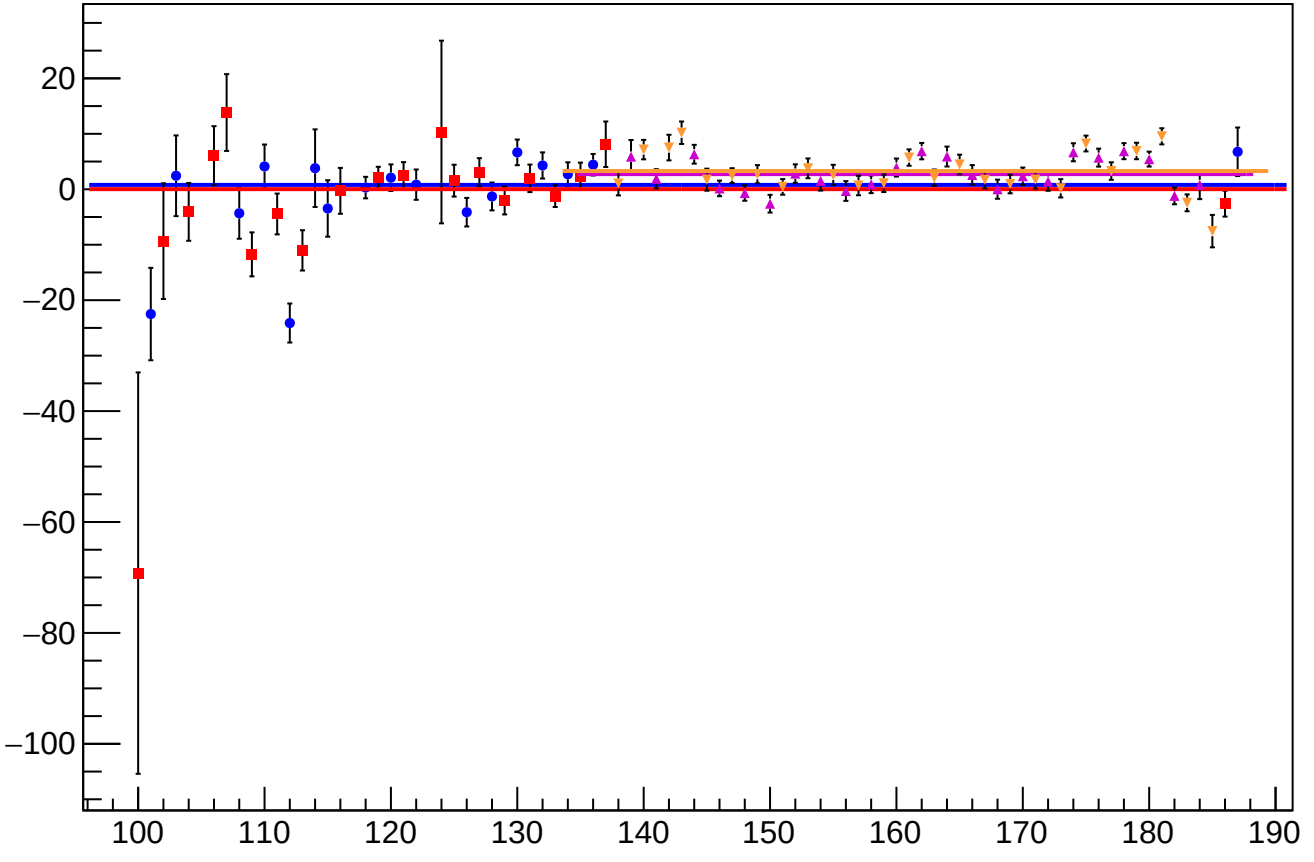
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 24.201+/-0.326 χ^2/NDF: 5065.7/41

All: 25.272+/-0.230 χ^2/NDF: 9726.3/84

- sign 26.333+/-0.324 χ^2/NDF: 4639.1/42

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: 0.787+/-0.696 χ^2/NDF: 80.3/16

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

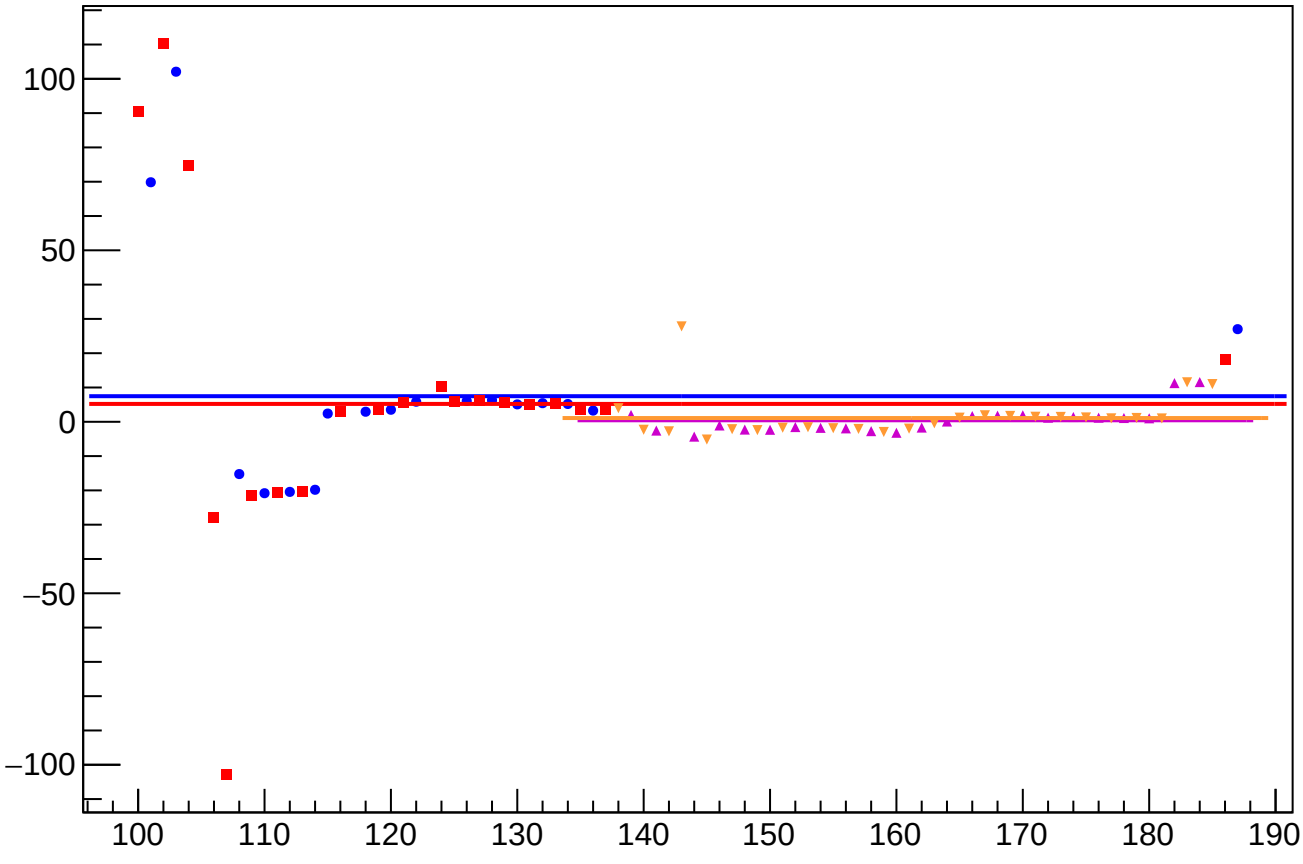
Right Out: 0.021+/-0.693 χ^2/NDF: 41.8/19

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

\+ sign 2.825+/-0.299 χ^2/NDF: 197.1/41

All: 2.520+/-0.214 χ^2/NDF: 327.9/84

\- sign 2.199+/-0.307 χ^2/NDF: 128.6/42



Right In: 7.464+/-0.042 χ^2/NDF: 327831.8/16

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 5.212+/-0.045 χ^2/NDF: 441254.6/19

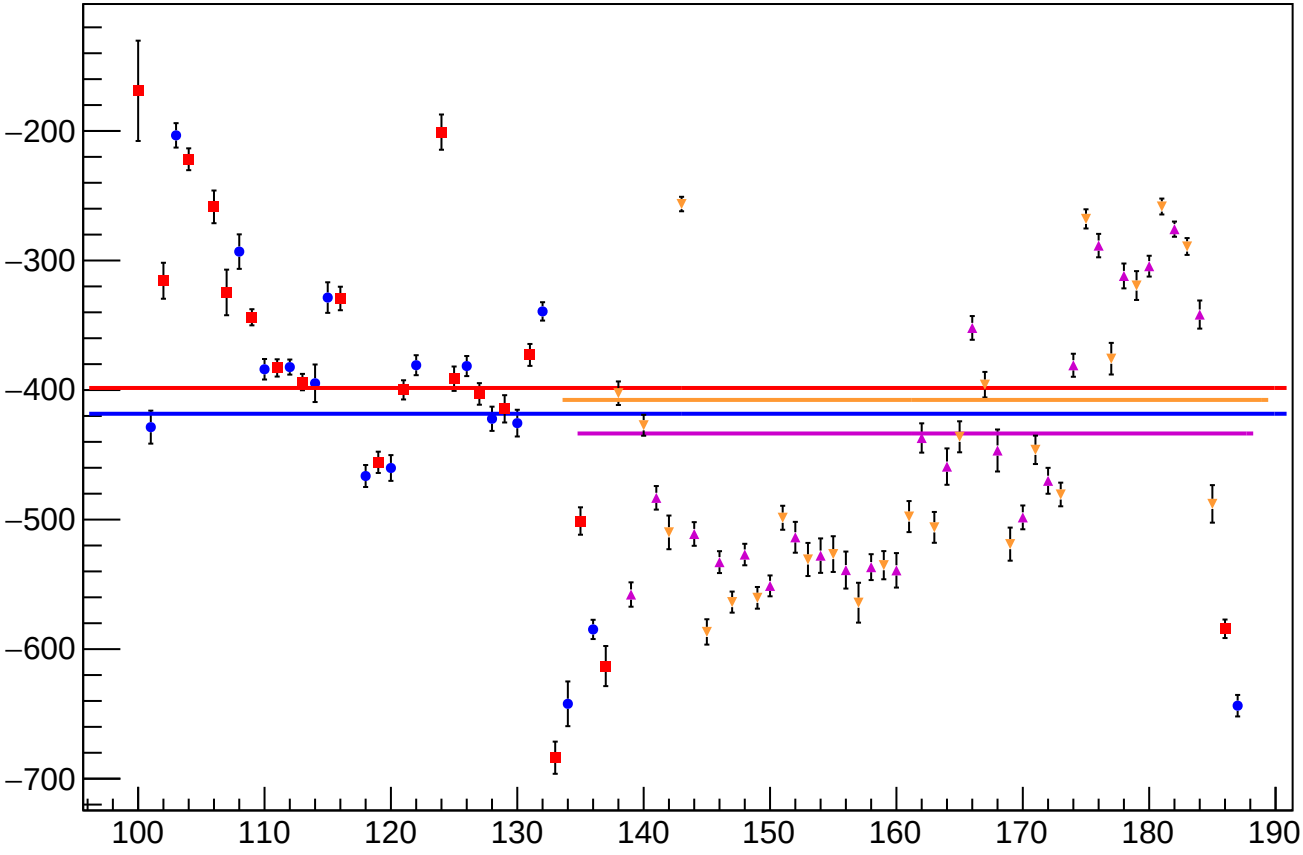
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 1.796+/-0.014 χ^2/NDF: 476930.6/41

All: 1.373+/-0.010 χ^2/NDF: 983757.7/84

- sign 0.933+/-0.014 χ^2/NDF: 504966.1/42

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -418.304+/-2.159 χ^2/NDF: 2353.3/16

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -398.395+/-2.036 χ^2/NDF: 2554.8/19

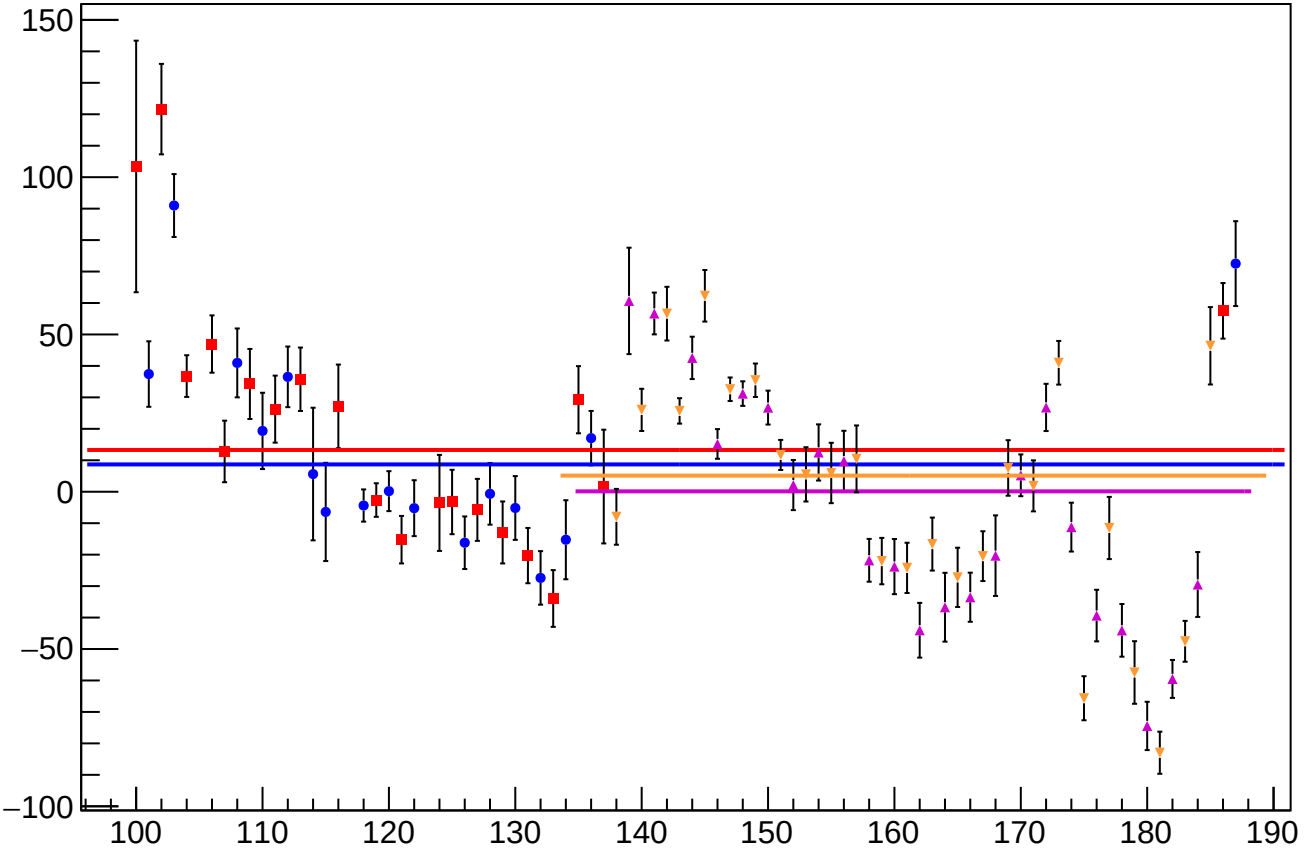
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -412.193+/-1.413 χ^2/NDF: 6372.9/41

All: -414.248+/-1.003 χ^2/NDF: 11808.6/84

- sign -416.338+/-1.424 χ^2/NDF: 5431.4/42

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 8.688+/-2.233 χ^2/NDF: 161.5/16

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 13.280+/-2.132 χ^2/NDF: 206.7/19

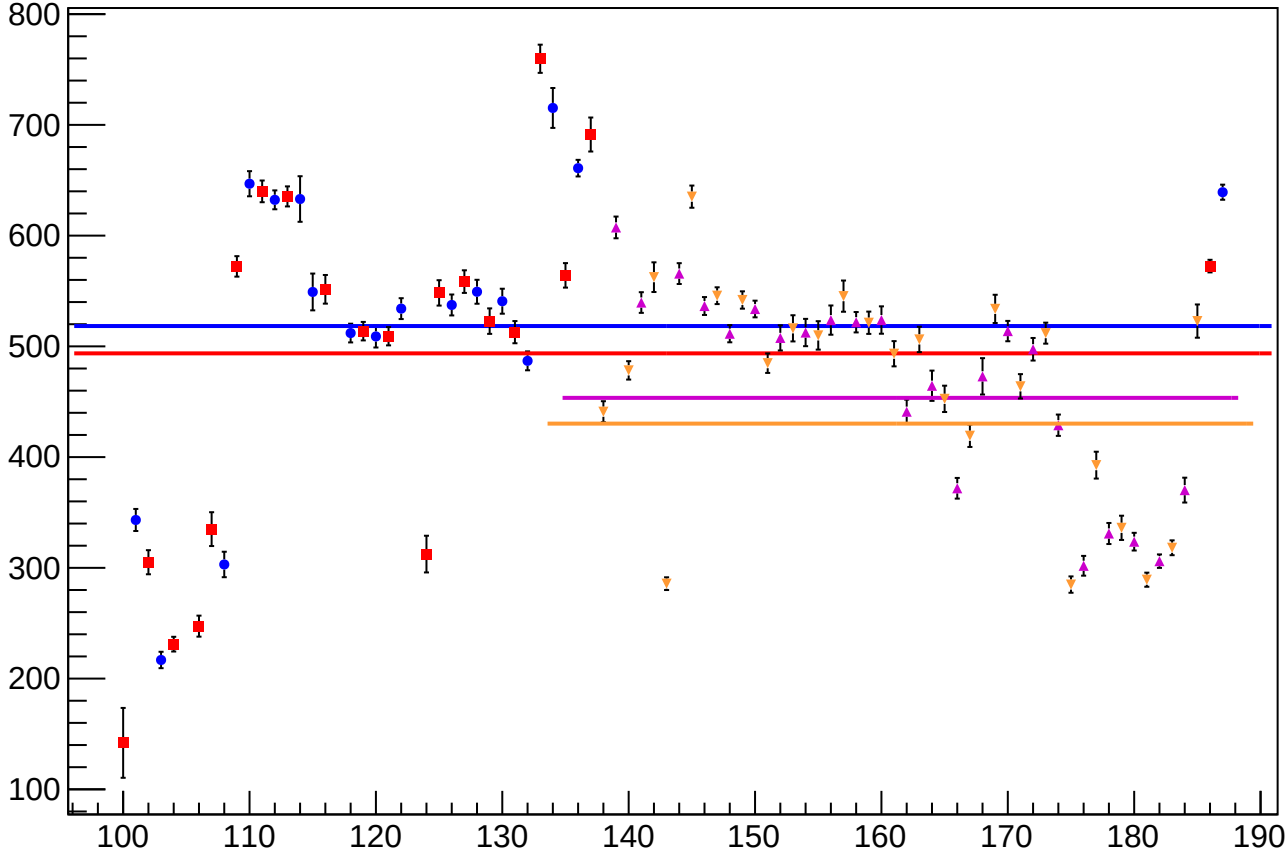
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 6.108+/-1.173 χ^2/NDF: 852.5/41

All: 5.307+/-0.846 χ^2/NDF: 1654.3/84

- sign 4.438+/-1.221 χ^2/NDF: 800.8/42

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 518.355+/-2.341 χ^2/NDF: 3491.0/16

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 493.679+/-2.211 χ^2/NDF: 4364.2/19

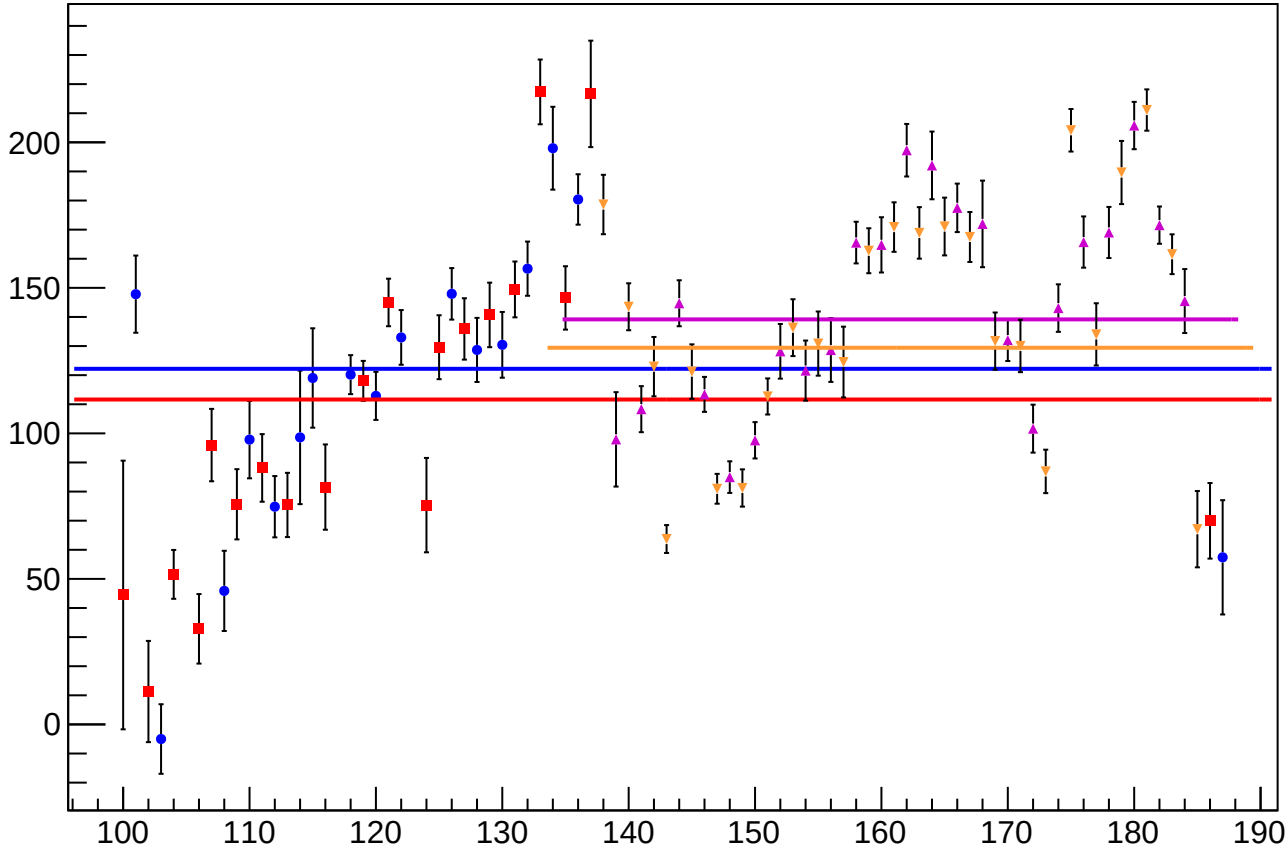
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 464.355+/-1.457 χ^2/NDF: 7764.1/41

All: 467.800+/-1.036 χ^2/NDF: 14743.0/84

- sign 471.318+/-1.472 χ^2/NDF: 6967.7/42

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 122.184+/-2.604 χ^2/NDF: 282.4/16

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 111.635+/-2.497 χ^2/NDF: 356.4/19

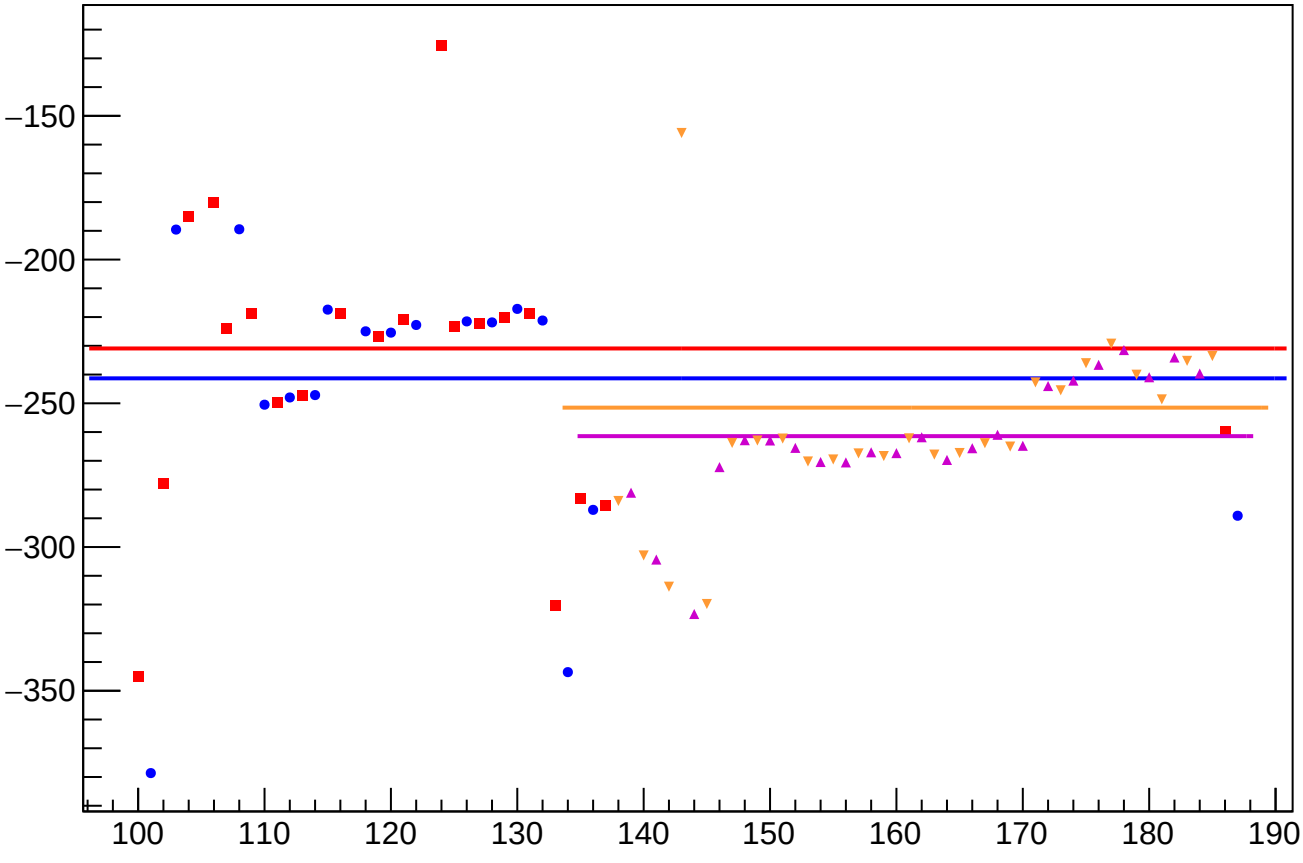
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 127.449+/-1.359 χ^2/NDF: 1102.3/41

All: 128.878+/-0.978 χ^2/NDF: 1978.1/84

- sign 130.412+/-1.408 χ^2/NDF: 873.5/42

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -241.316+/-0.149 χ^2/NDF: 136094.9/16

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -230.922+/-0.145 χ^2/NDF: 84416.5/19

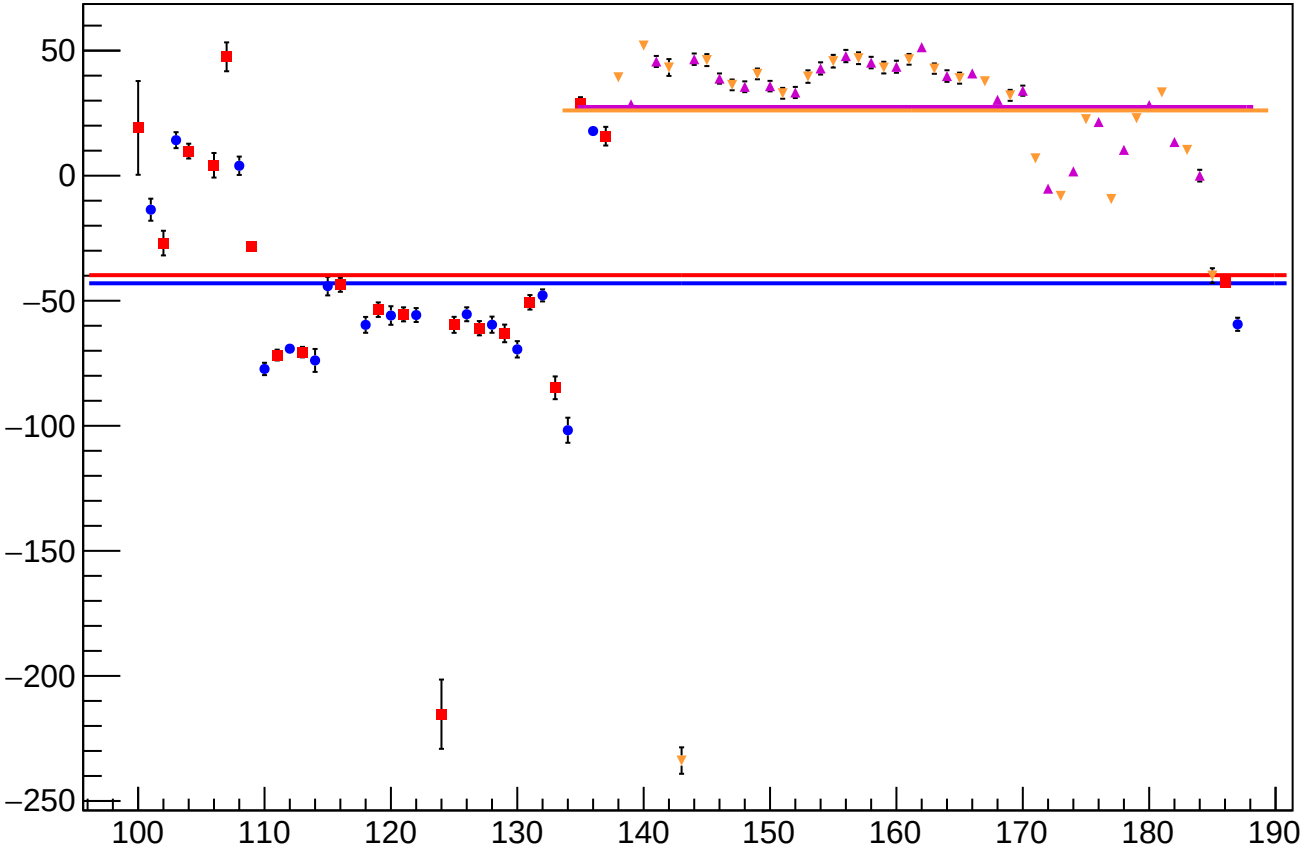
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -249.470+/-0.067 χ^2/NDF: 394752.3/41

All: -251.953+/-0.048 χ^2/NDF: 586025.0/84

- sign -254.575+/-0.069 χ^2/NDF: 188426.1/42

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -43.026+/-0.697 χ^2/NDF: 2447.2/16

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.777+/-0.630 χ^2/NDF: 2482.3/19

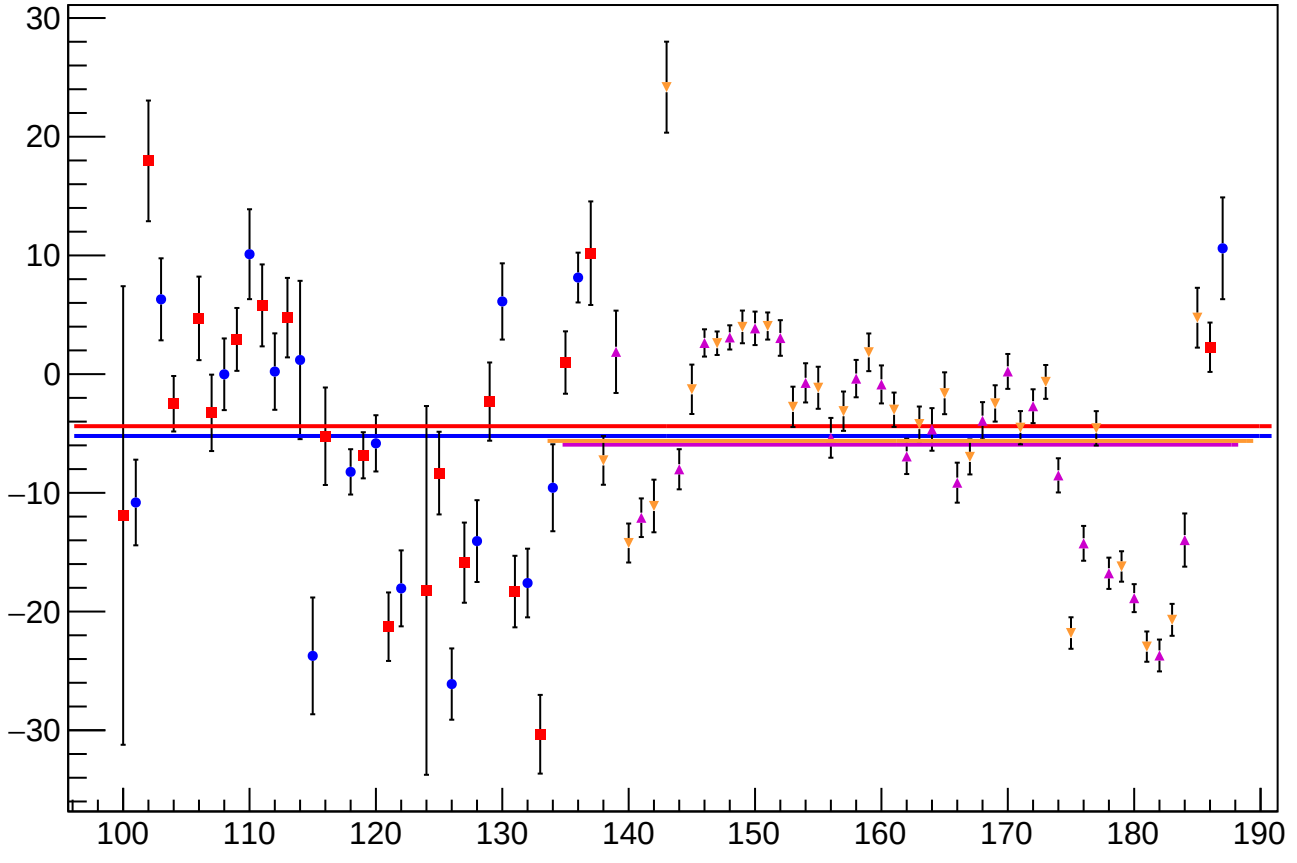
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 9.637+/-0.340 χ^2/NDF: 14718.8/41

All: 9.022+/-0.239 χ^2/NDF: 26990.3/84

- sign 8.425+/-0.335 χ^2/NDF: 12265.1/42

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.210+/-0.742 χ^2/NDF: 210.7/16

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -4.384+/-0.697 χ^2/NDF: 208.9/19

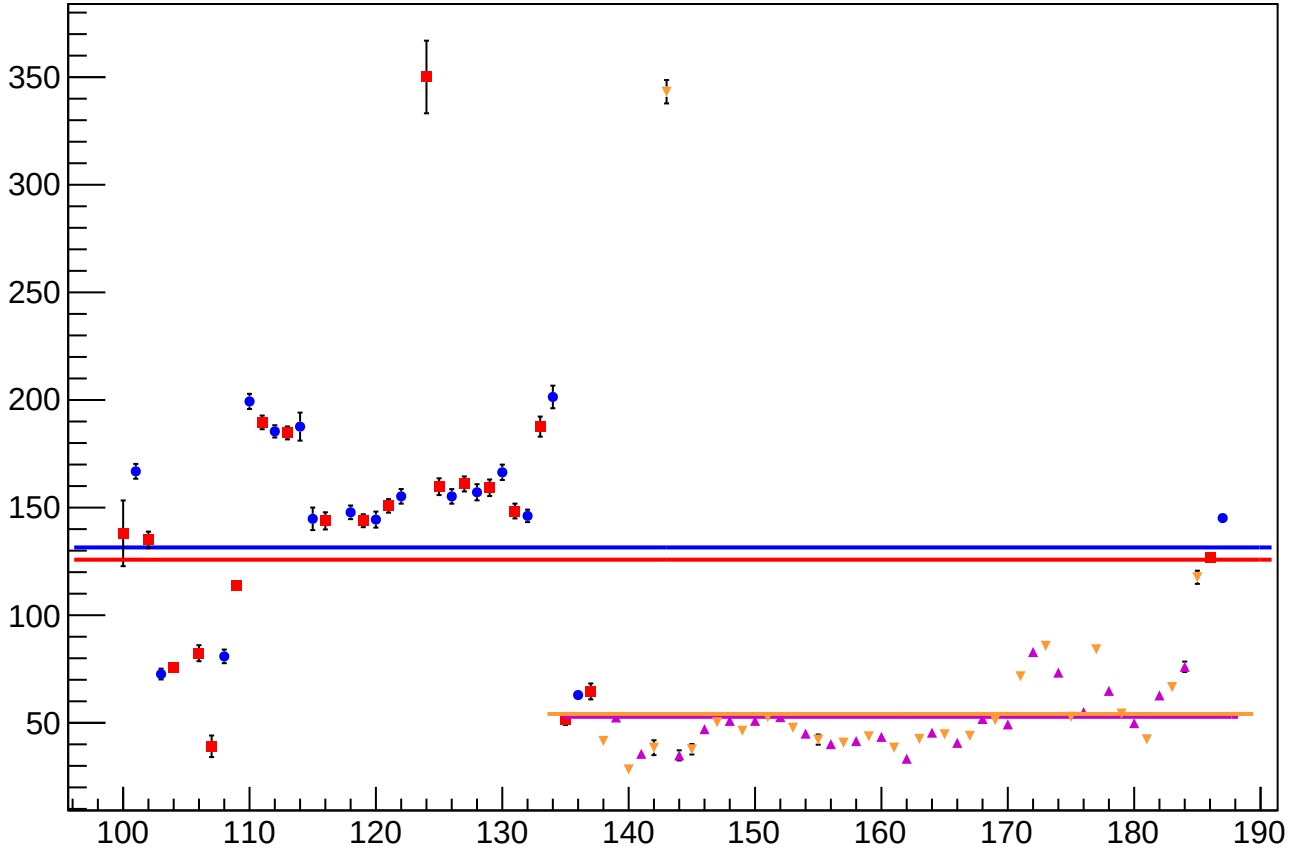
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -5.566+/-0.280 χ^2/NDF: 1104.3/41

All: -5.625+/-0.199 χ^2/NDF: 2029.7/84

- sign -5.684+/-0.283 χ^2/NDF: 925.3/42

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 131.493+/-0.751 χ^2/NDF: 3669.7/16

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.796+/-0.681 χ^2/NDF: 3504.0/19

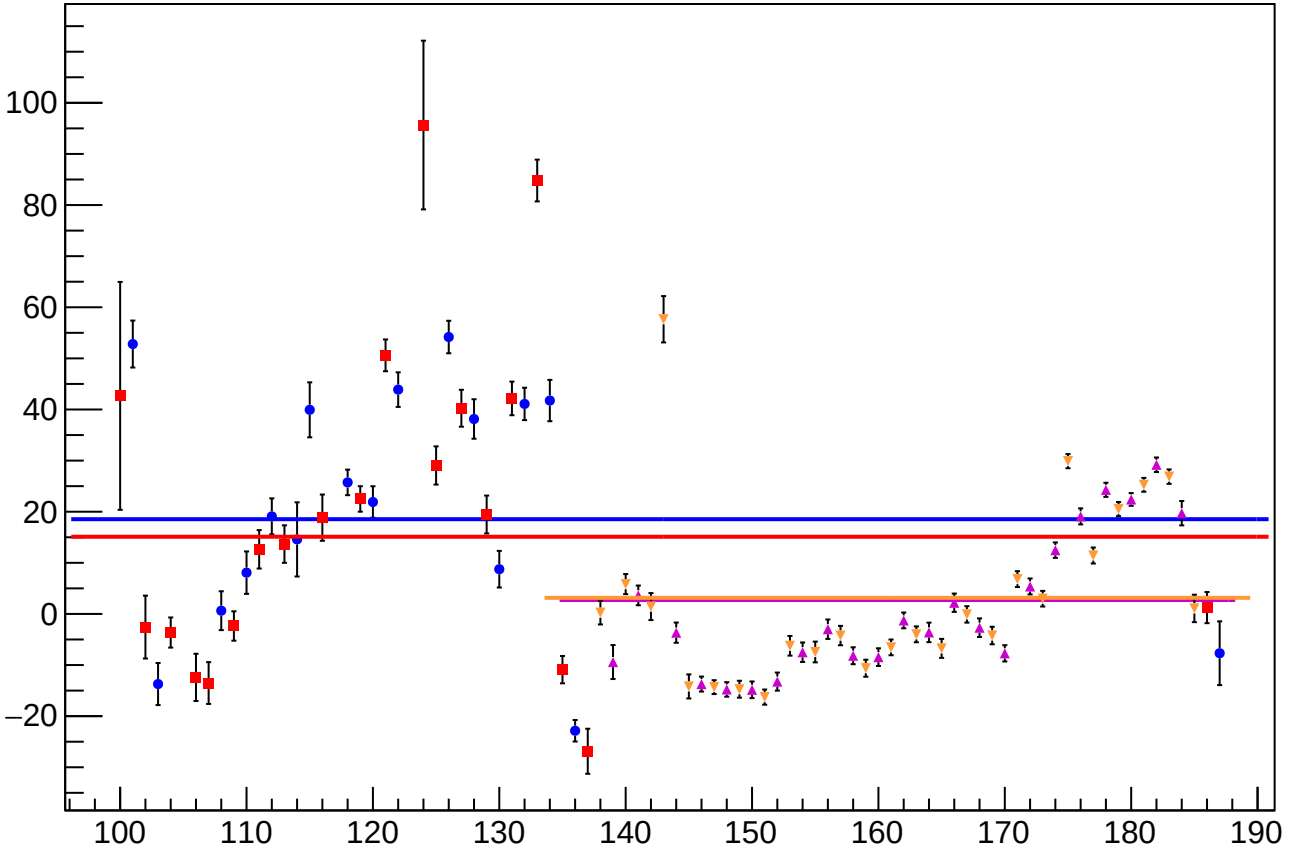
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 70.384+/-0.344 χ^2/NDF: 16649.7/41

All: 70.705+/-0.242 χ^2/NDF: 29764.0/84

- sign 71.020+/-0.340 χ^2/NDF: 13112.6/42

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 18.537+/-0.852 χ^2/NDF: 876.1/16

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 15.103+/-0.815 χ^2/NDF: 963.6/19

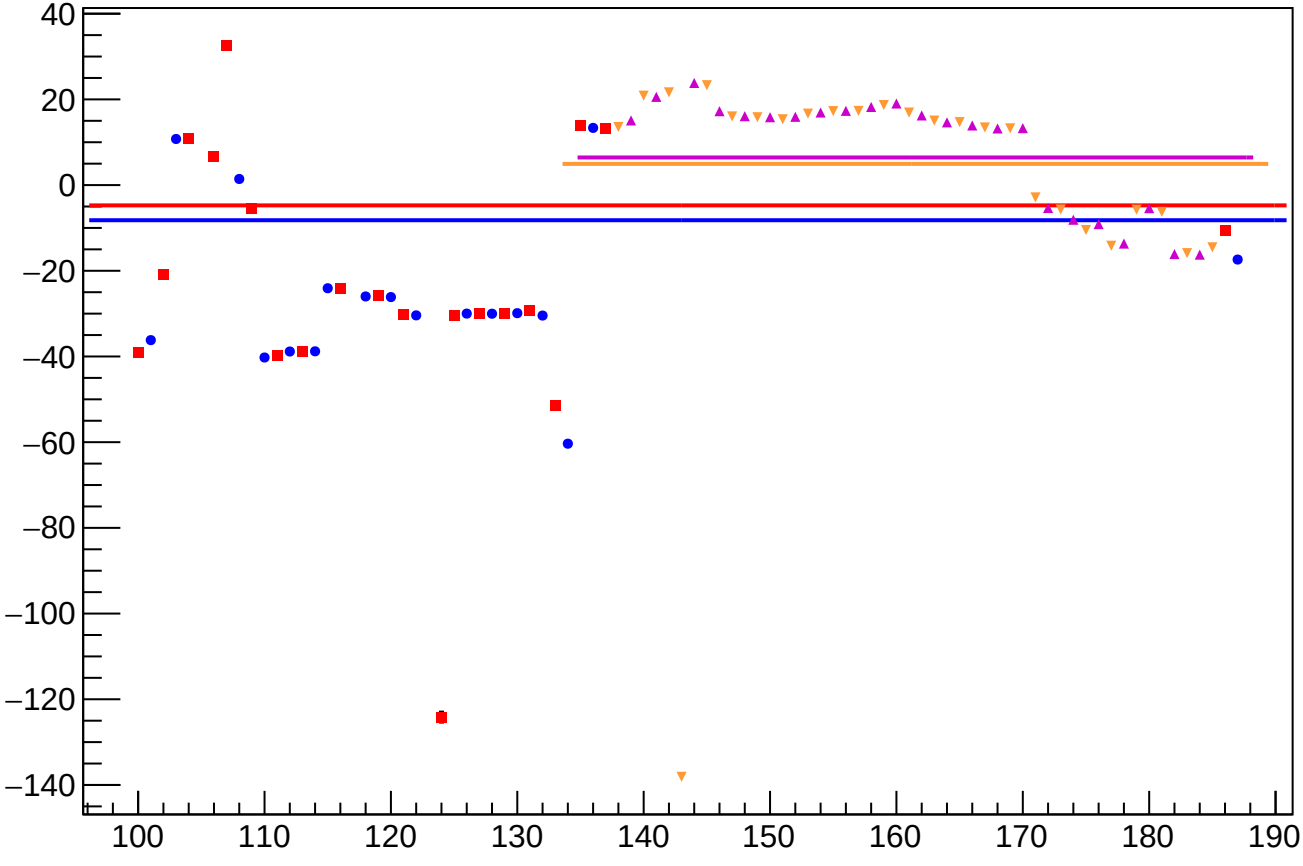
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 5.267+/-0.316 χ^2/NDF: 3169.8/41

All: 4.947+/-0.224 χ^2/NDF: 6066.0/84

- sign 4.619+/-0.319 χ^2/NDF: 2894.1/42

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -8.199+/-0.045 χ^2/NDF: 268603.2/16

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -4.736+/-0.046 χ^2/NDF: 229189.0/19

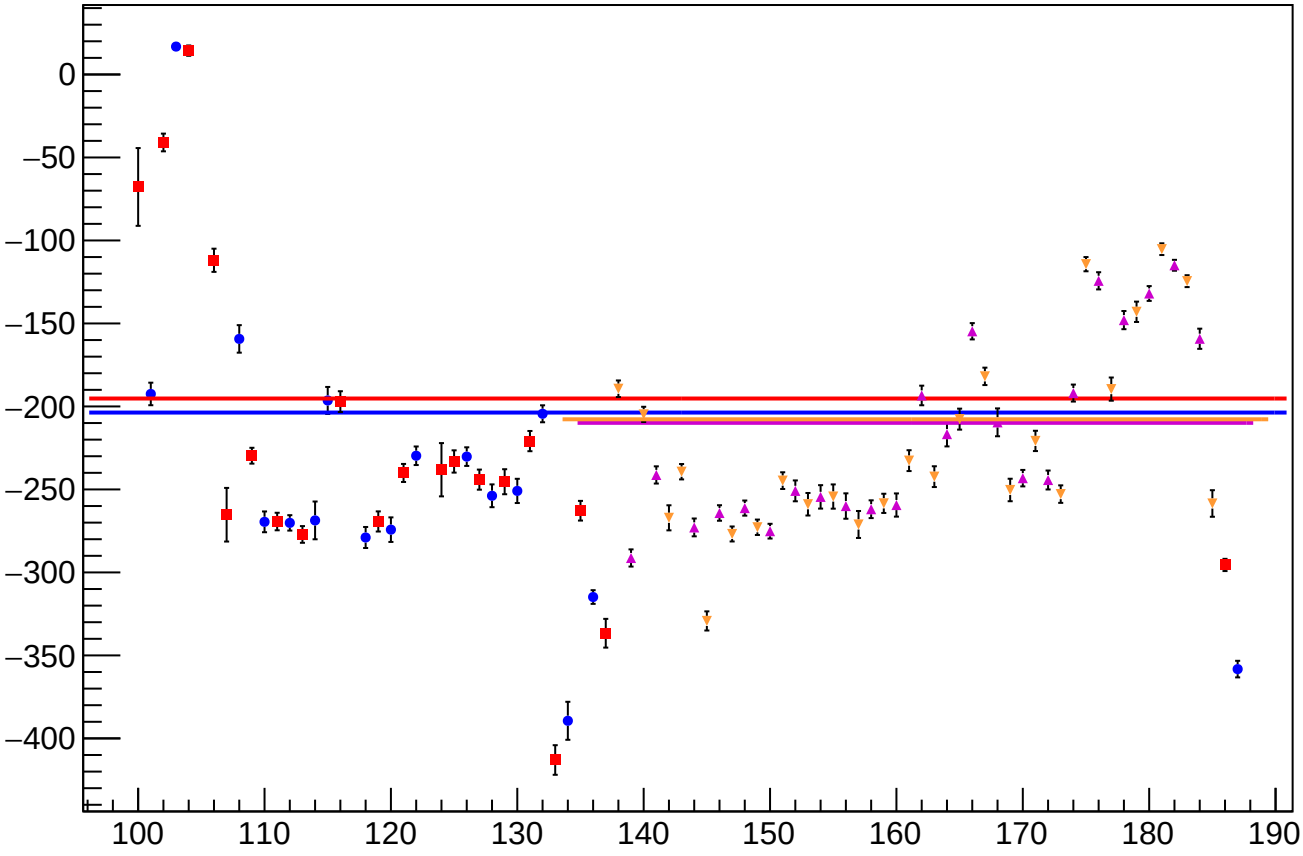
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 3.620+/-0.014 χ^2/NDF: 1480391.2/41

All: 4.460+/-0.010 χ^2/NDF: 2499838.5/84

- sign 5.314+/-0.015 χ^2/NDF: 1012606.9/42

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -203.687+/-1.365 χ^2/NDF: 8259.0/16

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -195.230+/-1.294 χ^2/NDF: 8221.0/19

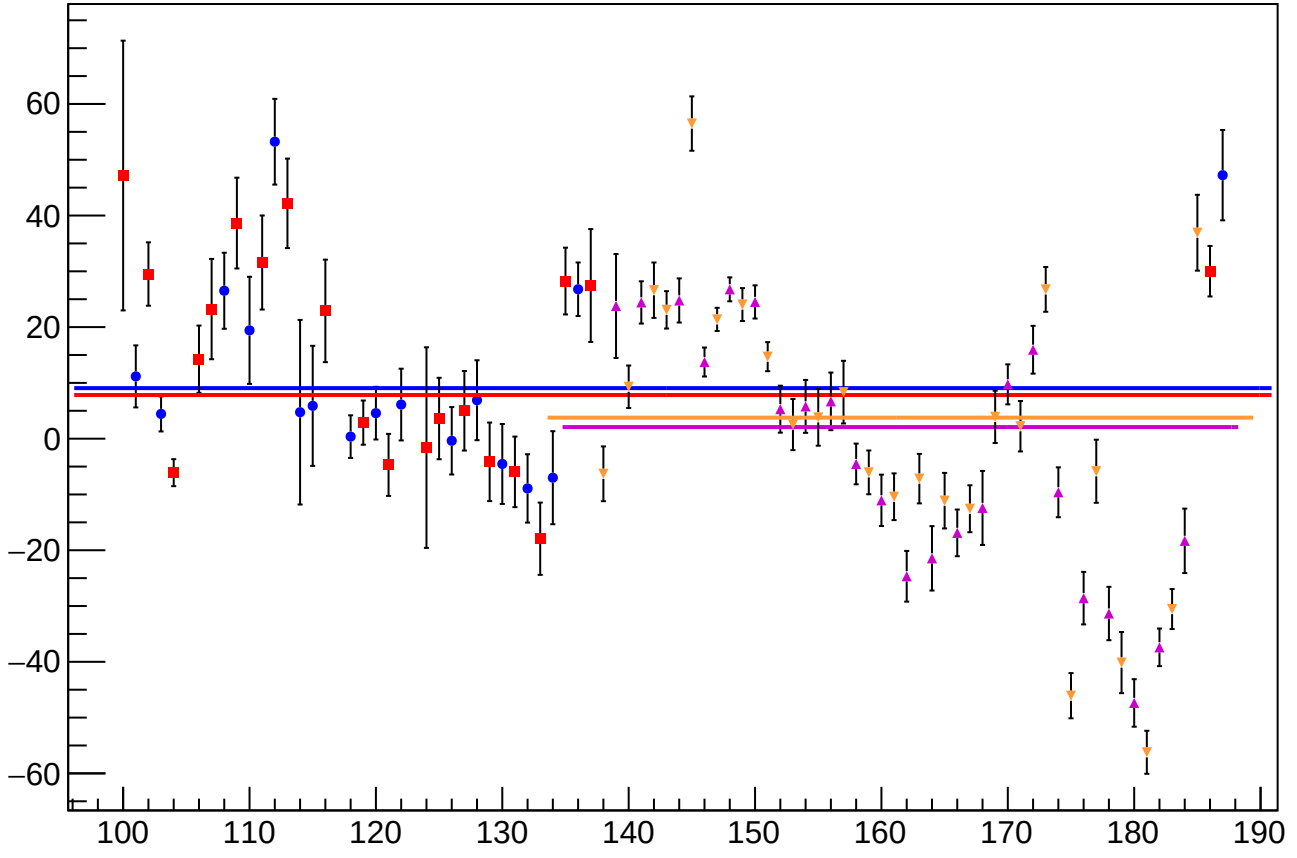
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -206.200+/-0.842 χ^2/NDF: 11751.7/41

All: -204.958+/-0.594 χ^2/NDF: 23063.2/84

- sign -203.724+/-0.839 χ^2/NDF: 11307.2/42

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.062+/-1.416 χ^2/NDF: 103.8/16

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 7.828+/-1.298 χ^2/NDF: 168.0/19

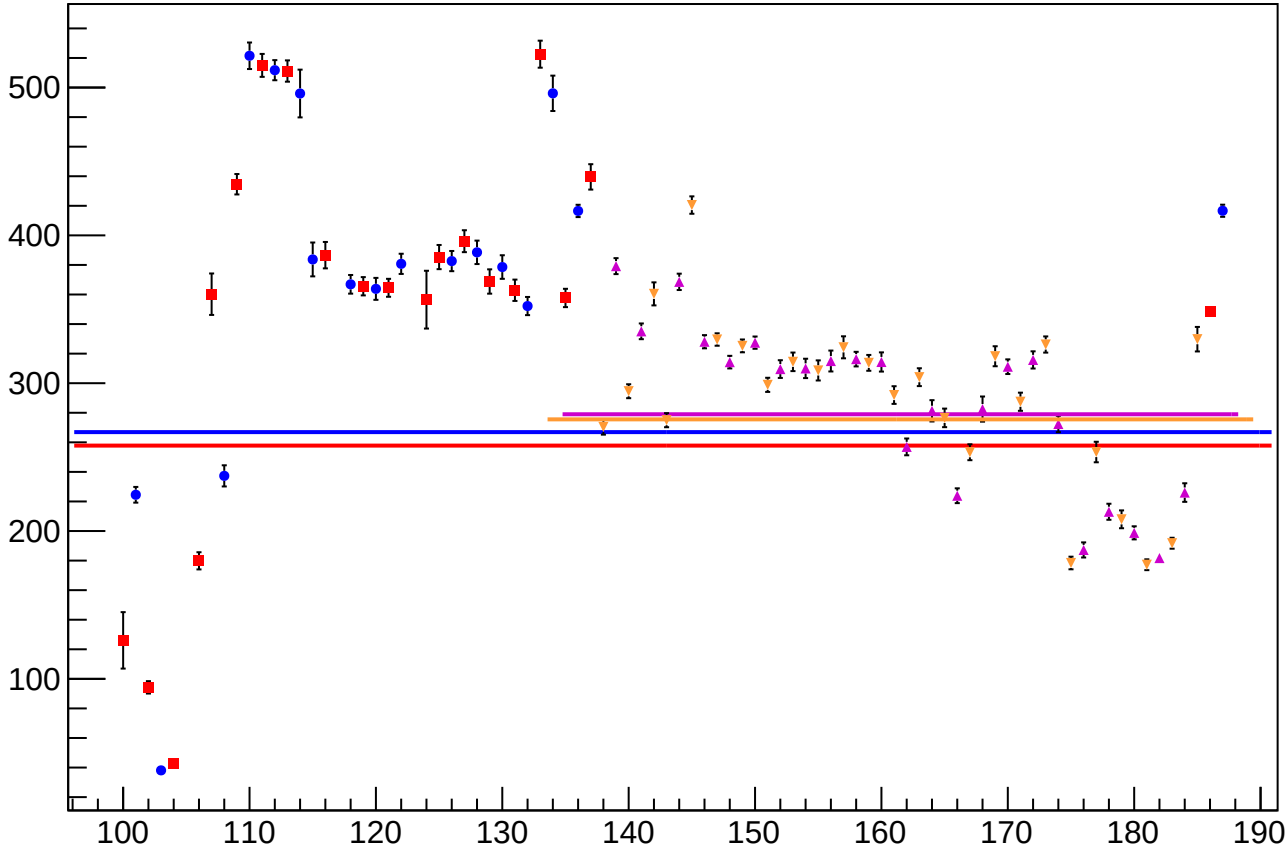
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 5.020+/-0.688 χ^2/NDF: 1086.6/41

All: 4.374+/-0.488 χ^2/NDF: 2040.6/84

- sign 3.718+/-0.693 χ^2/NDF: 952.2/42

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 266.911+/-1.343 χ^2/NDF: 16794.1/16

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 257.789+/-1.268 χ^2/NDF: 16839.9/19

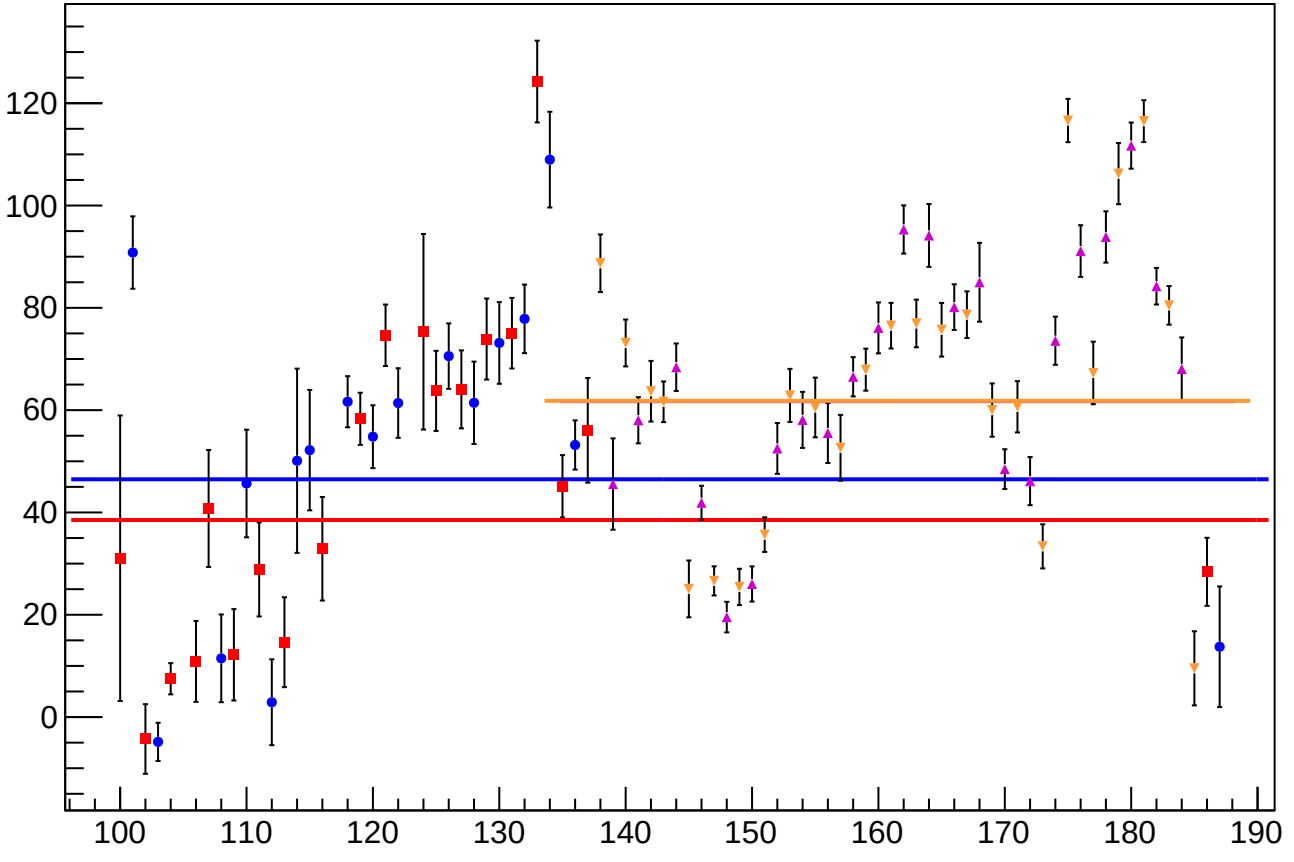
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 272.218+/-0.833 χ^2/NDF: 20142.6/41

All: 271.097+/-0.587 χ^2/NDF: 40261.5/84

- sign 269.994+/-0.826 χ^2/NDF: 20115.4/42

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 46.482+/-1.651 χ^2/NDF: 393.2/16

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 38.523+/-1.552 χ^2/NDF: 418.9/19

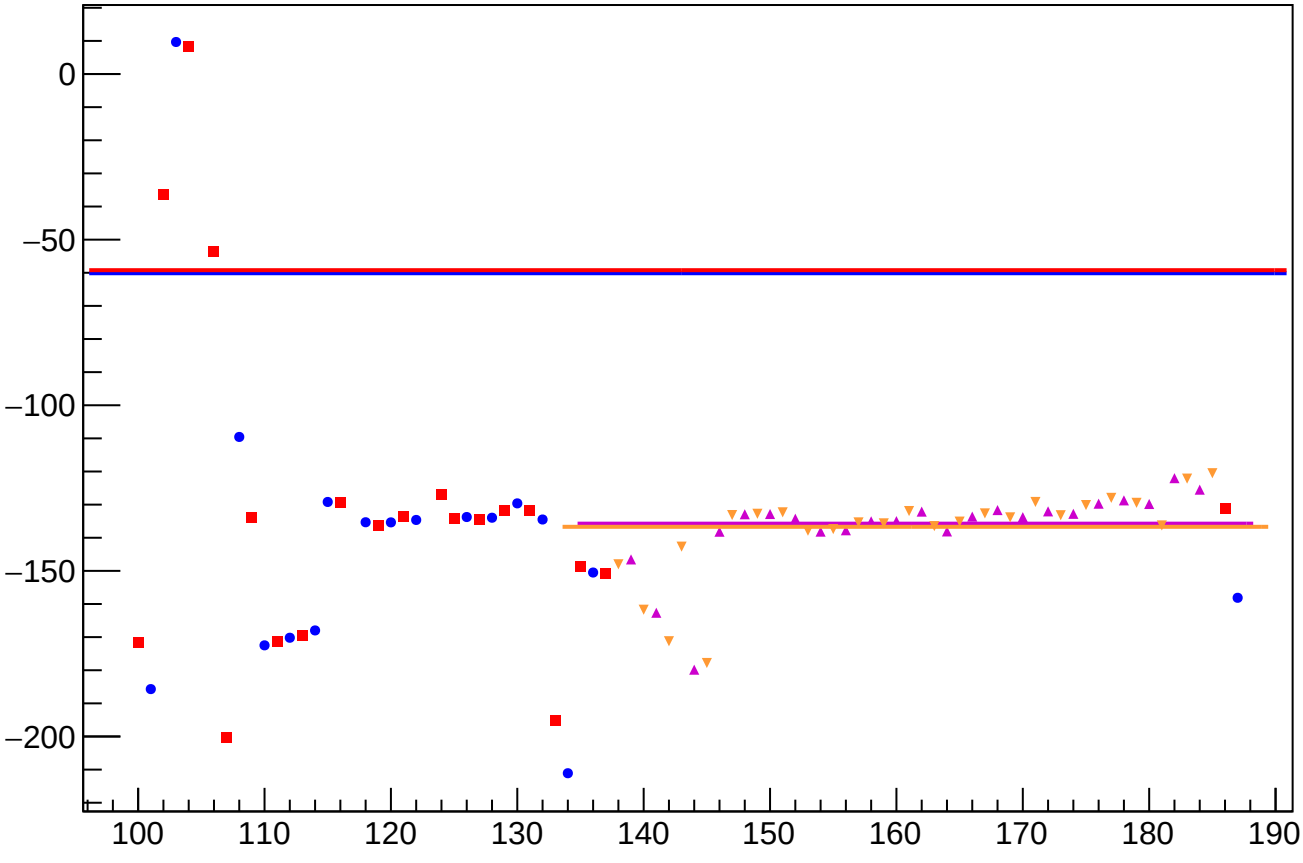
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 58.260+/-0.795 χ^2/NDF: 1418.9/41

All: 56.913+/-0.565 χ^2/NDF: 2743.8/84

- sign 55.538+/-0.803 χ^2/NDF: 1319.1/42

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -60.141+/-0.072 χ^2/NDF: 1249377.8/16

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -59.219+/-0.073 χ^2/NDF: 894323.3/19

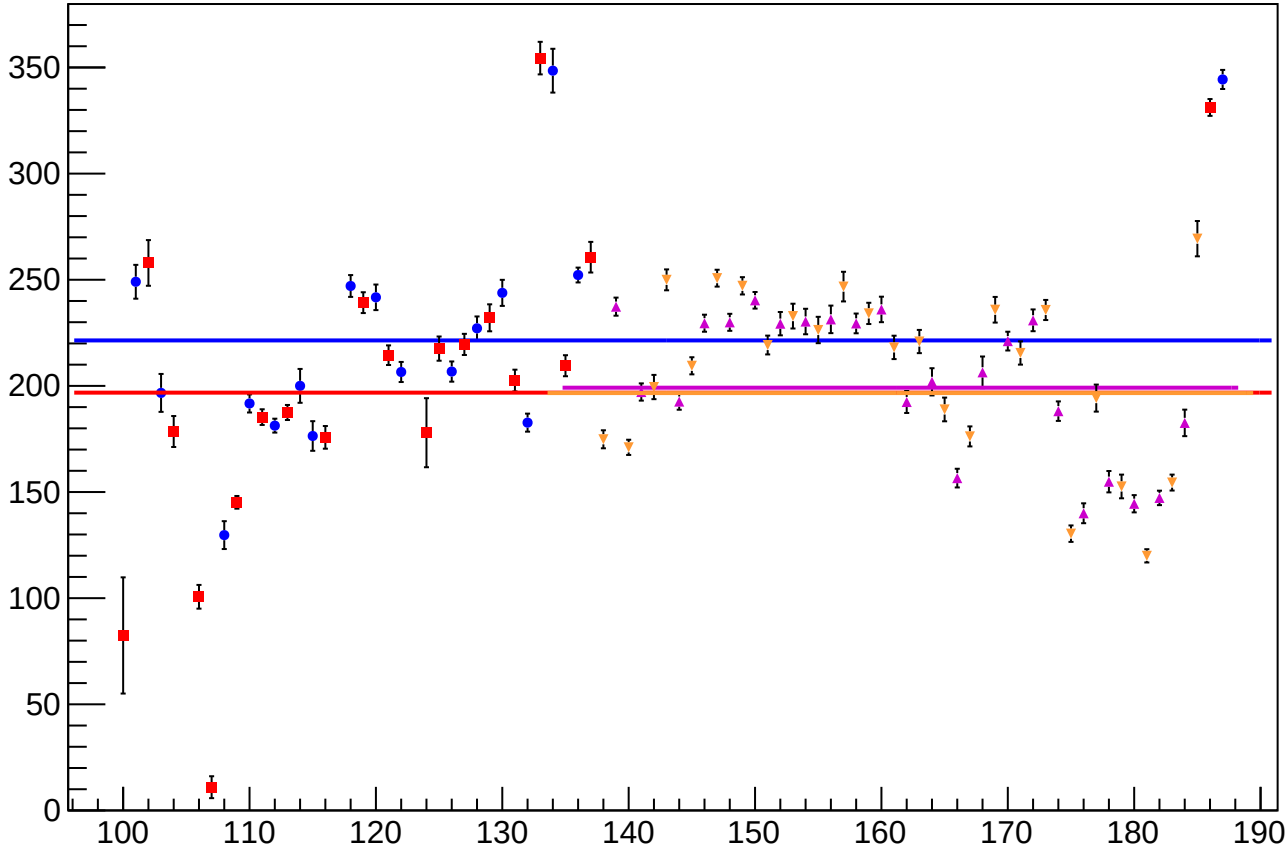
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -117.158+/-0.036 χ^2/NDF: 2166366.3/41

All: -116.745+/-0.026 χ^2/NDF: 3935963.1/84

- sign -116.320+/-0.037 χ^2/NDF: 1769336.6/42

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 221.419+/-1.245 χ^2/NDF: 1592.7/16

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 196.820+/-1.143 χ^2/NDF: 3795.5/19

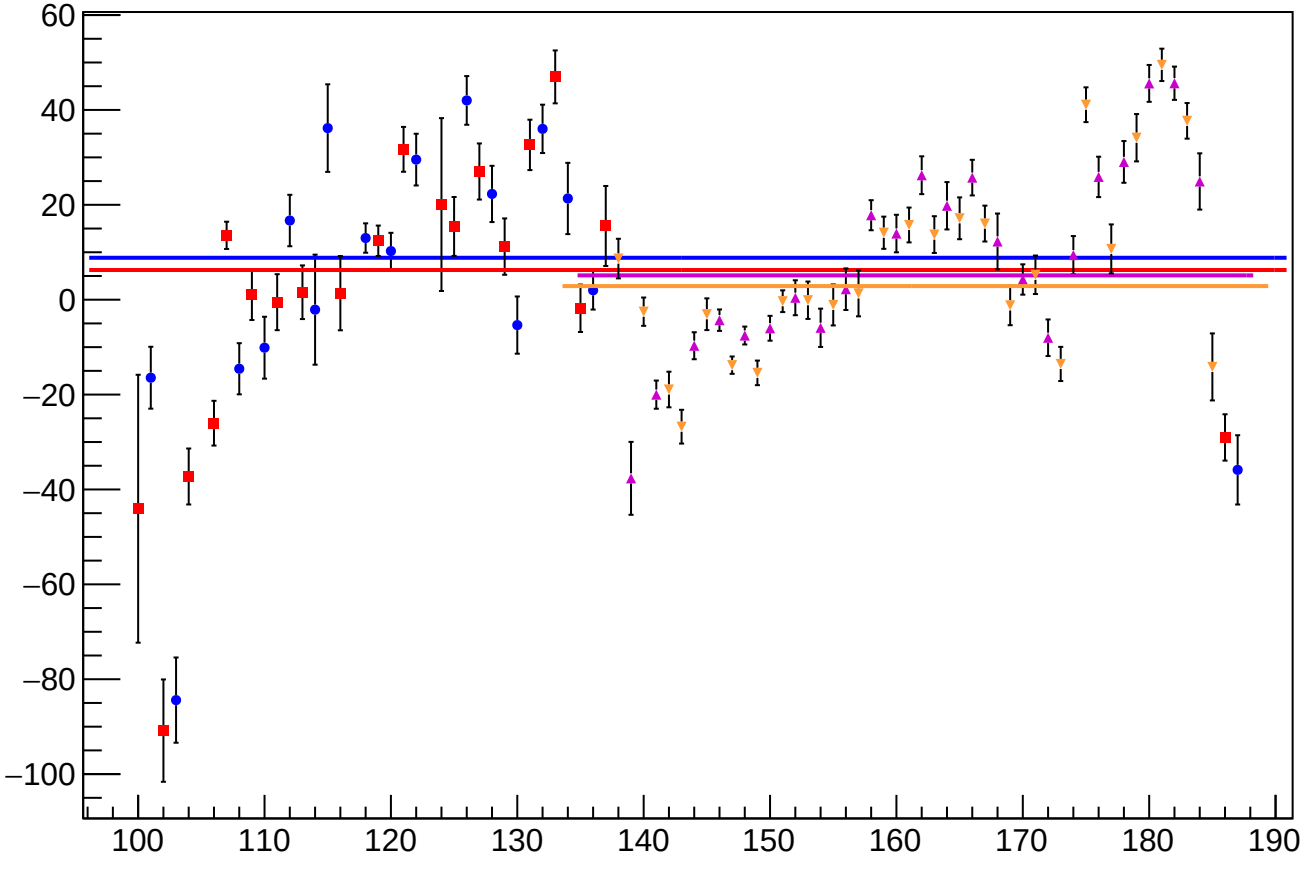
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 205.698+/-0.753 χ^2/NDF: 3919.7/41

All: 201.872+/-0.528 χ^2/NDF: 9062.9/84

- sign 198.173+/-0.741 χ^2/NDF: 5092.5/42

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 8.839+/-1.311 χ^2/NDF: 302.0/16

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: 6.260+/-1.188 χ^2/NDF: 377.9/19

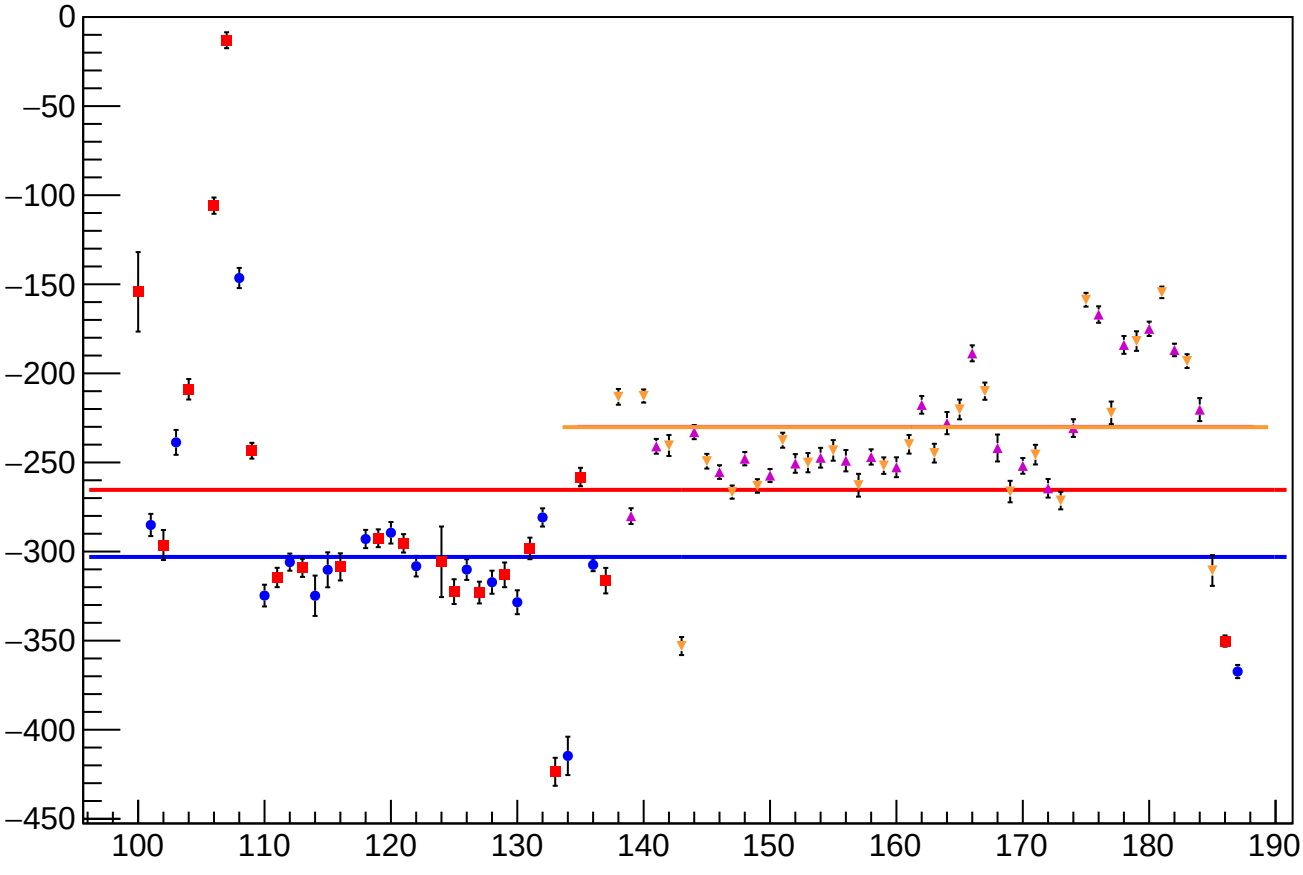
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 4.174+/-0.613 χ^2/NDF: 1071.0/41

All: 4.800+/-0.434 χ^2/NDF: 2080.2/84

- sign 5.429+/-0.614 χ^2/NDF: 1007.1/42

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -303.026+/-1.364 χ^2/NDF: 1334.6/16

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -265.379+/-1.256 χ^2/NDF: 6228.0/19

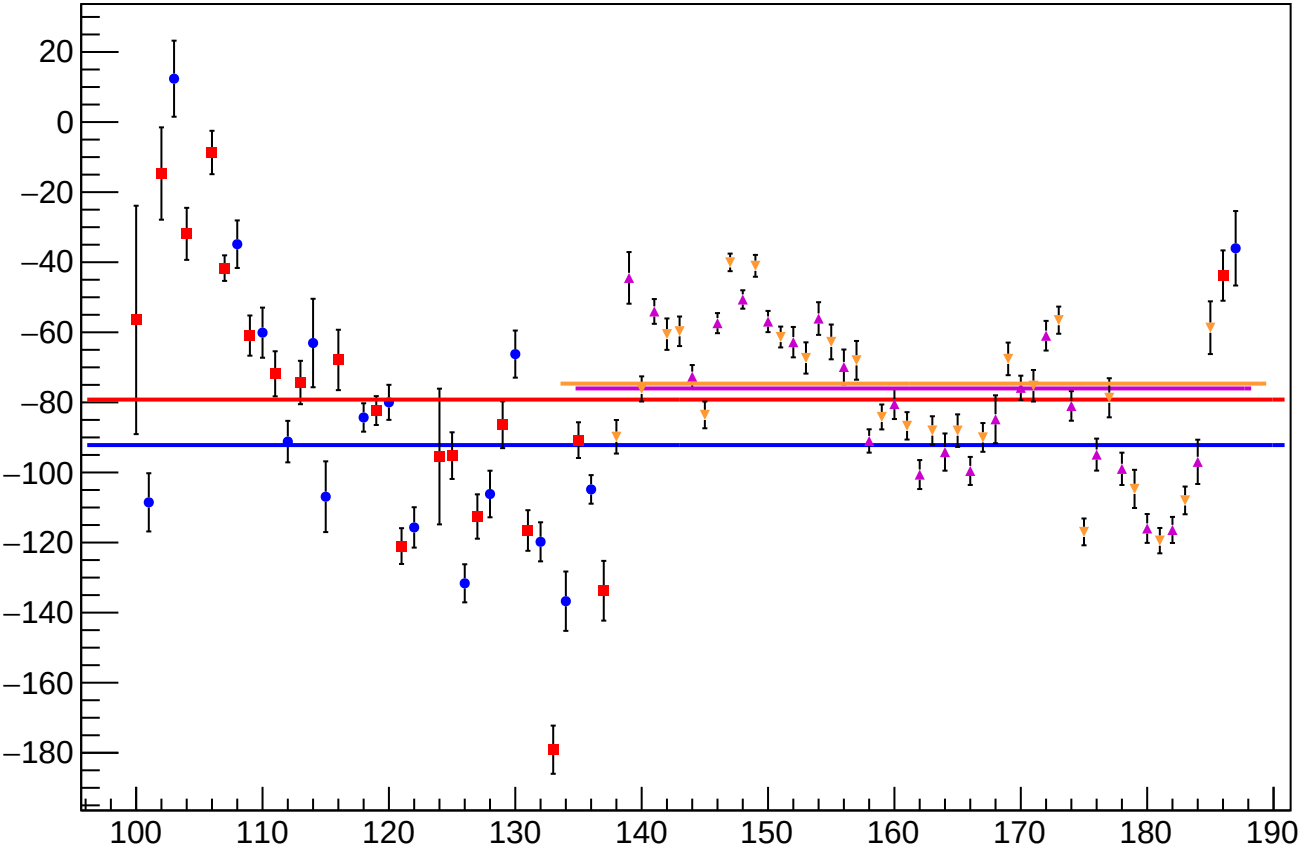
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -253.609+/-0.773 χ^2/NDF: 5452.0/41

All: -248.283+/-0.543 χ^2/NDF: 13366.9/84

- sign -243.098+/-0.763 χ^2/NDF: 7821.3/42

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -92.186+/-1.519 χ^2/NDF: 383.8/16

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -79.201+/-1.397 χ^2/NDF: 740.6/19

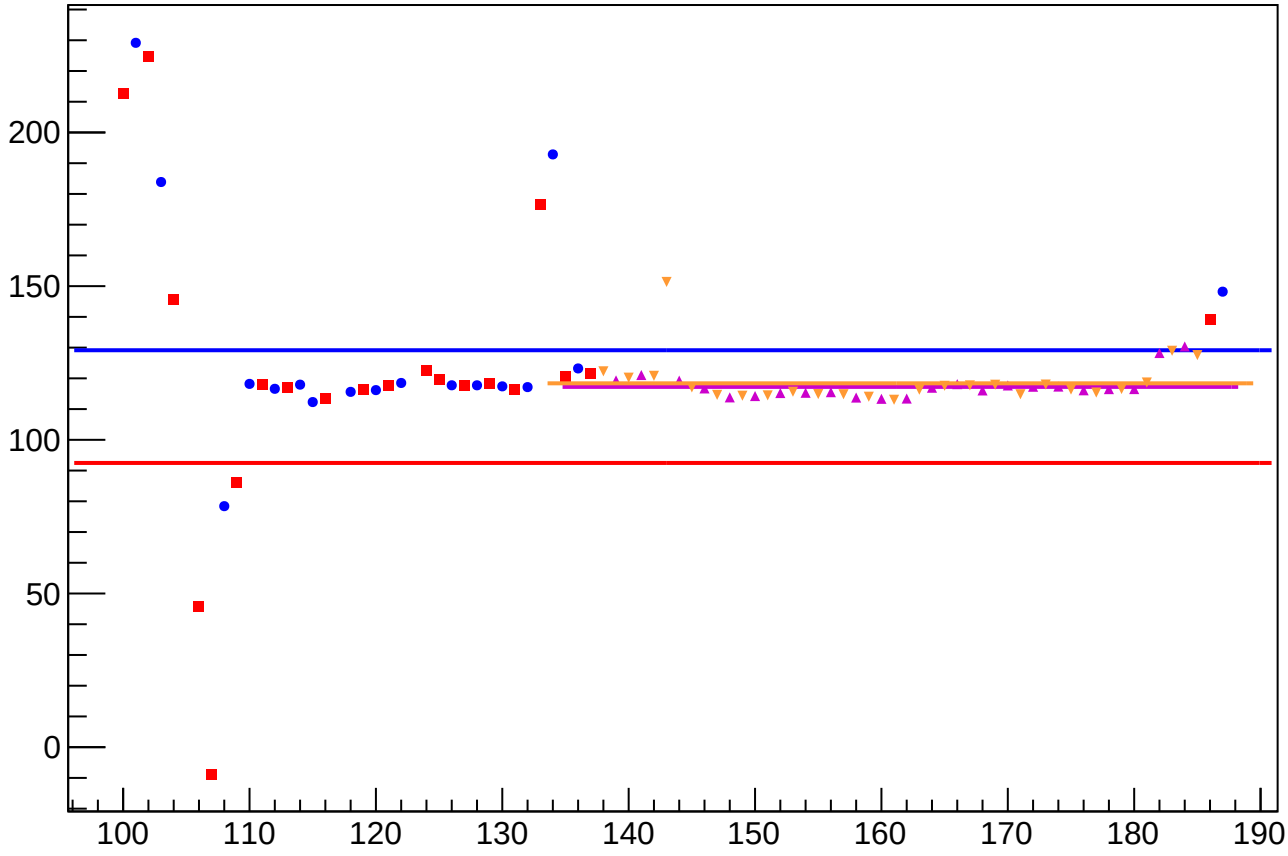
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -78.460+/-0.708 χ^2/NDF: 1319.3/41

All: -77.654+/-0.501 χ^2/NDF: 2712.3/84

- sign -76.845+/-0.710 χ^2/NDF: 1390.4/42

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 129.145+/-0.088 χ^2/NDF: 184577.7/16

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 92.477+/-0.078 χ^2/NDF: 613253.6/19

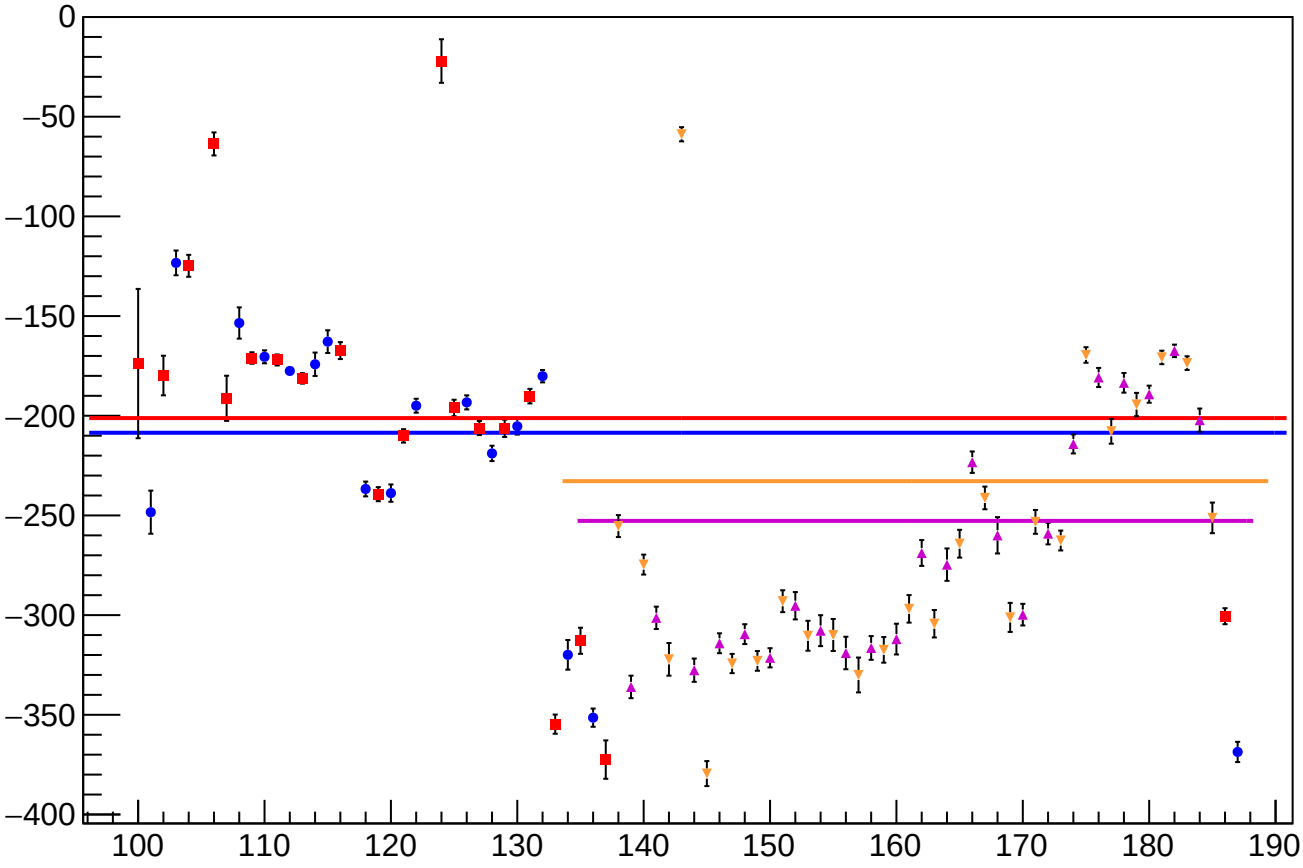
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 120.015+/-0.034 χ^2/NDF: 232163.7/41

All: 116.245+/-0.024 χ^2/NDF: 960877.9/84

- sign 112.573+/-0.034 χ^2/NDF: 704912.2/42

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -208.530+/-1.004 χ^2/NDF: 3074.6/16

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -201.173+/-0.947 χ^2/NDF: 3750.8/19

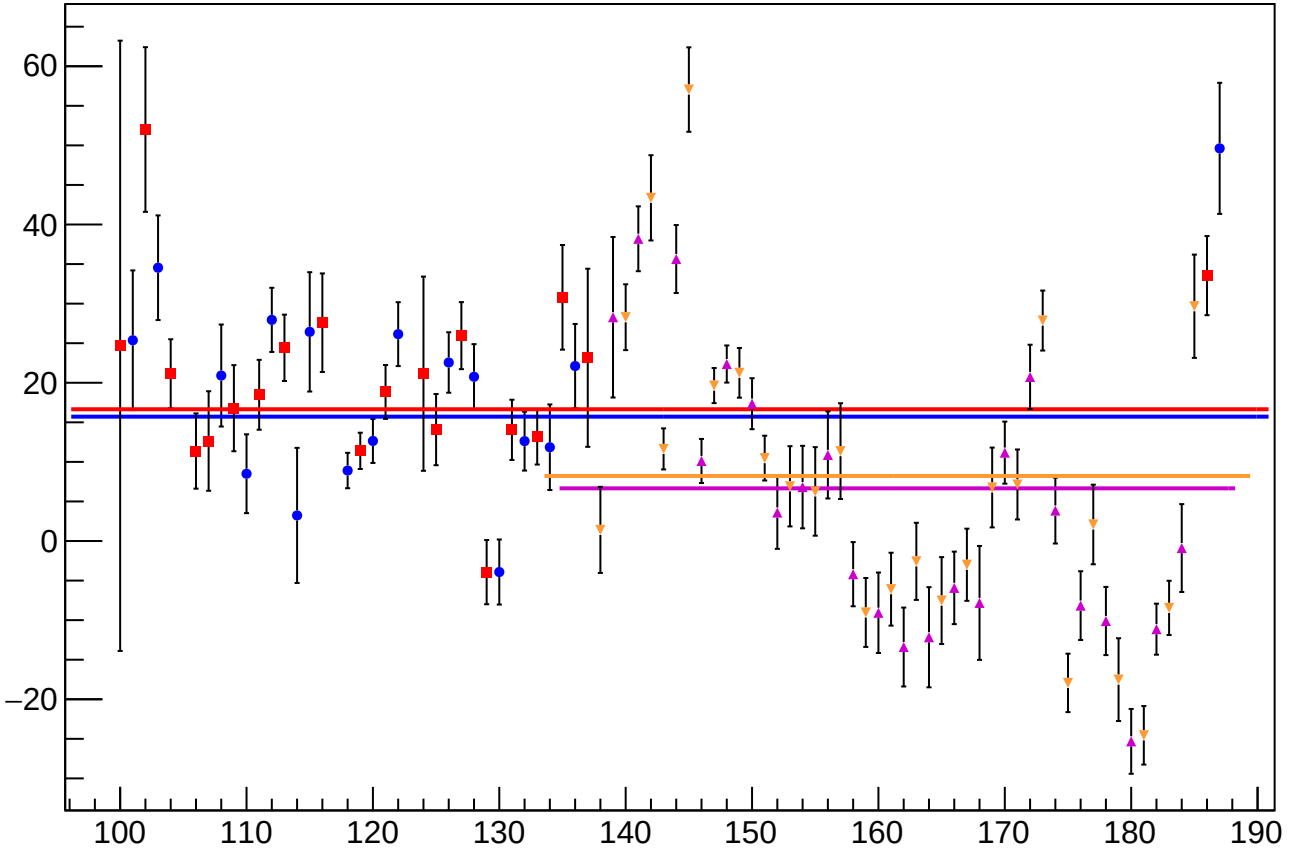
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -219.869+/-0.733 χ^2/NDF: 9111.7/41

All: -221.156+/-0.516 χ^2/NDF: 17005.2/84

- sign -222.419+/-0.726 χ^2/NDF: 7887.5/42

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.718+/-1.039 χ^2/NDF: 89.4/16

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 16.651+/-1.015 χ^2/NDF: 75.4/19

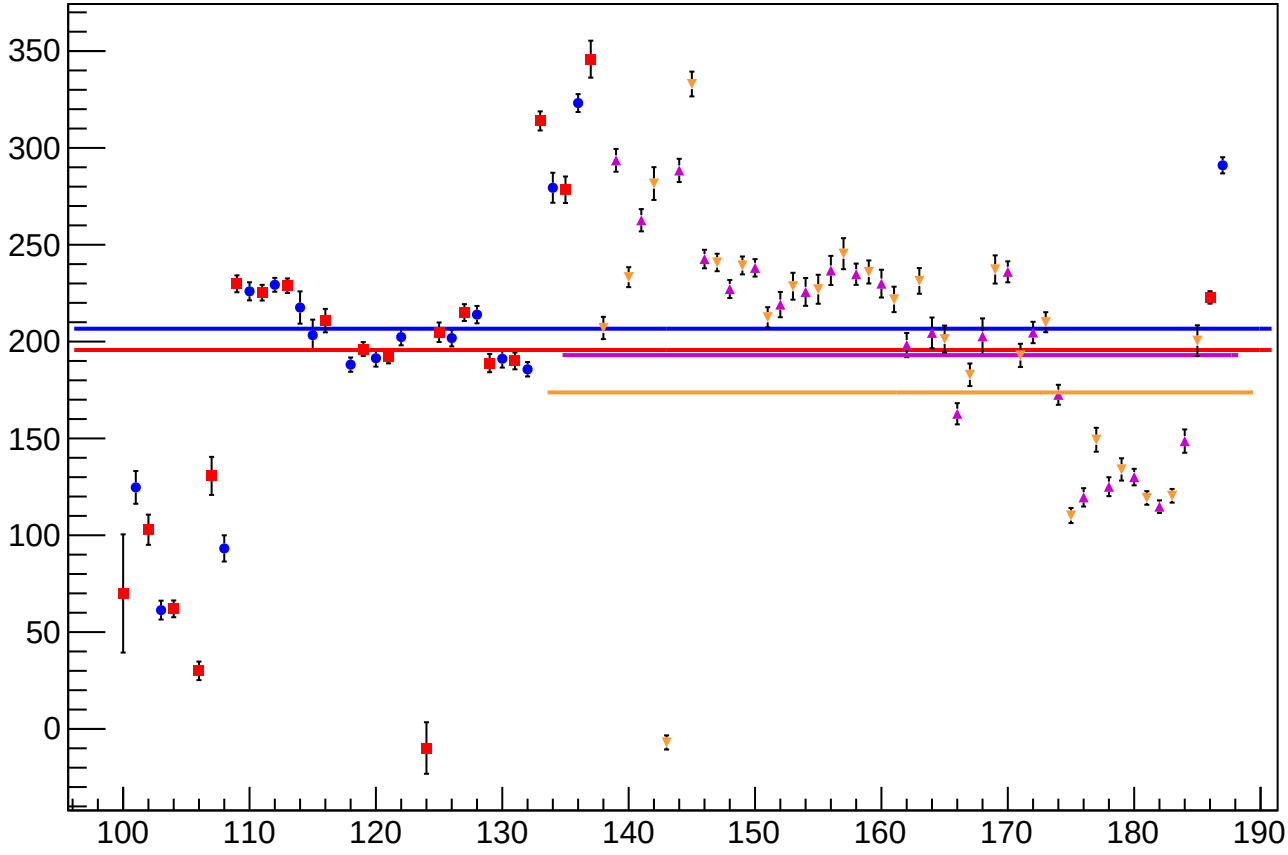
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 11.023+/-0.635 χ^2/NDF: 579.8/41

All: 10.926+/-0.456 χ^2/NDF: 1066.7/84

- sign 10.823+/-0.655 χ^2/NDF: 486.8/42

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 206.649+/-1.149 χ^2/NDF: 2544.0/16

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 195.657+/-1.083 χ^2/NDF: 3858.2/19

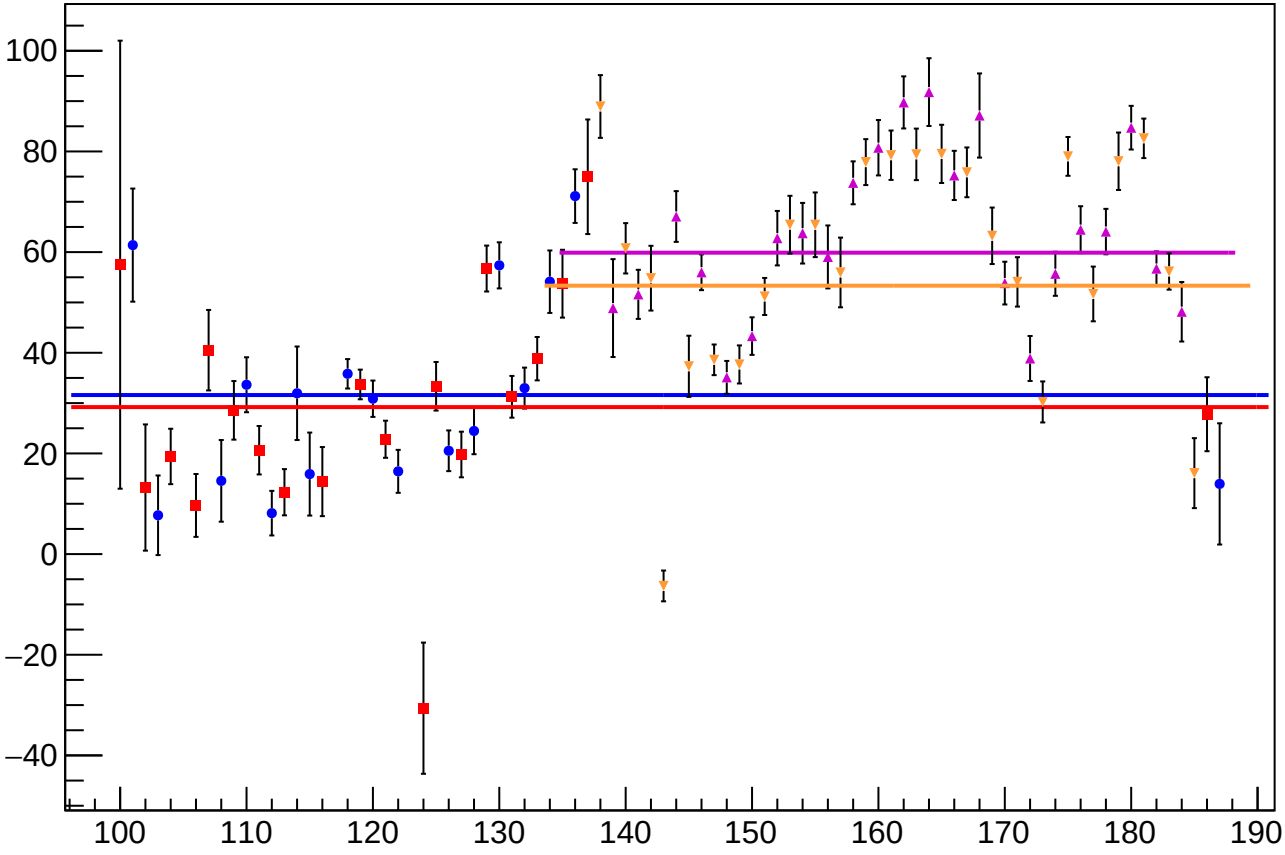
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 189.002+/-0.783 χ^2/NDF: 8244.0/41

All: 191.707+/-0.552 χ^2/NDF: 14640.9/84

- sign 194.389+/-0.779 χ^2/NDF: 6373.0/42

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 31.602+/-1.210 χ^2/NDF: 179.2/16

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.207+/-1.181 χ^2/NDF: 140.9/19

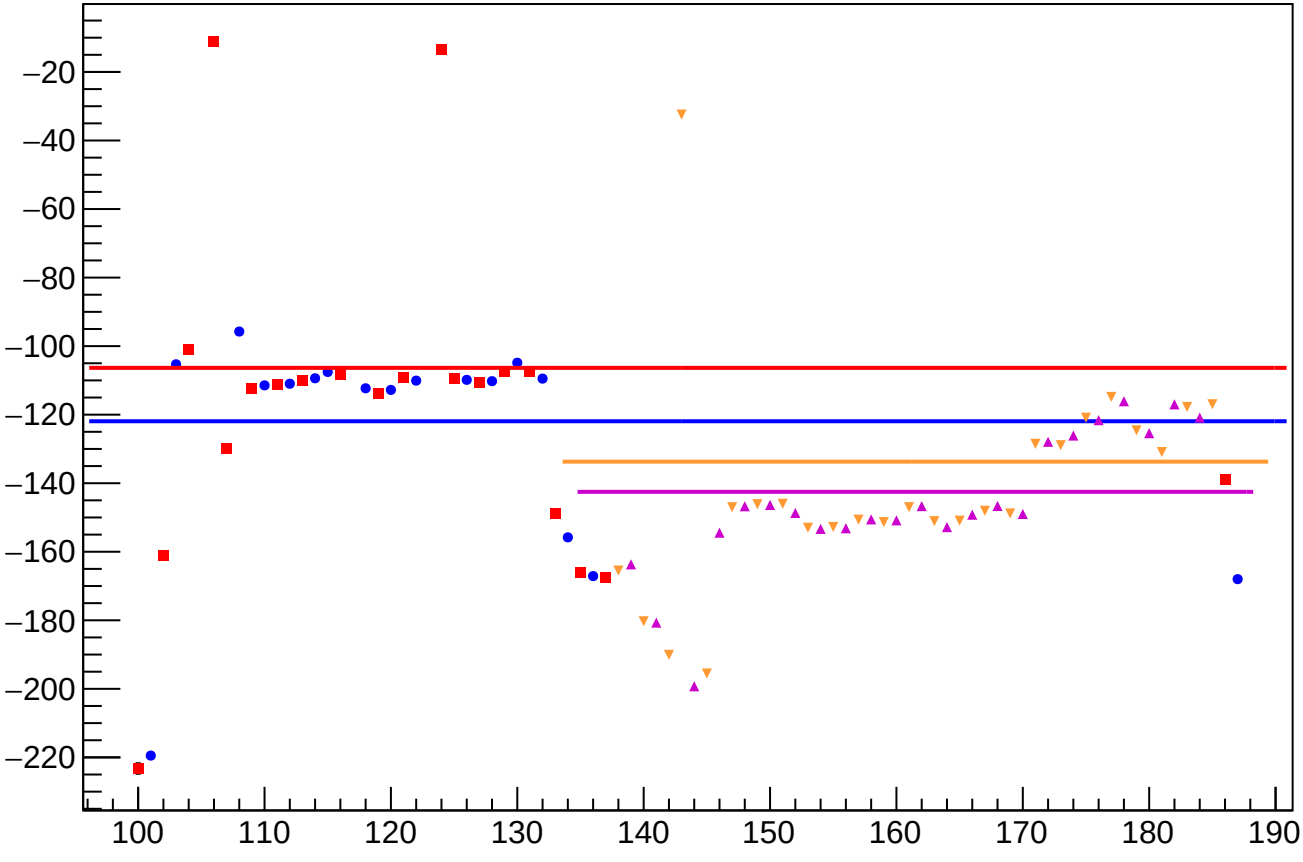
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 45.356+/-0.733 χ^2/NDF: 1162.1/41

All: 46.363+/-0.525 χ^2/NDF: 1958.7/84

- sign 47.425+/-0.753 χ^2/NDF: 792.8/42

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -121.921+/-0.079 χ^2/NDF: 124256.4/16

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -106.335+/-0.074 χ^2/NDF: 359102.2/19

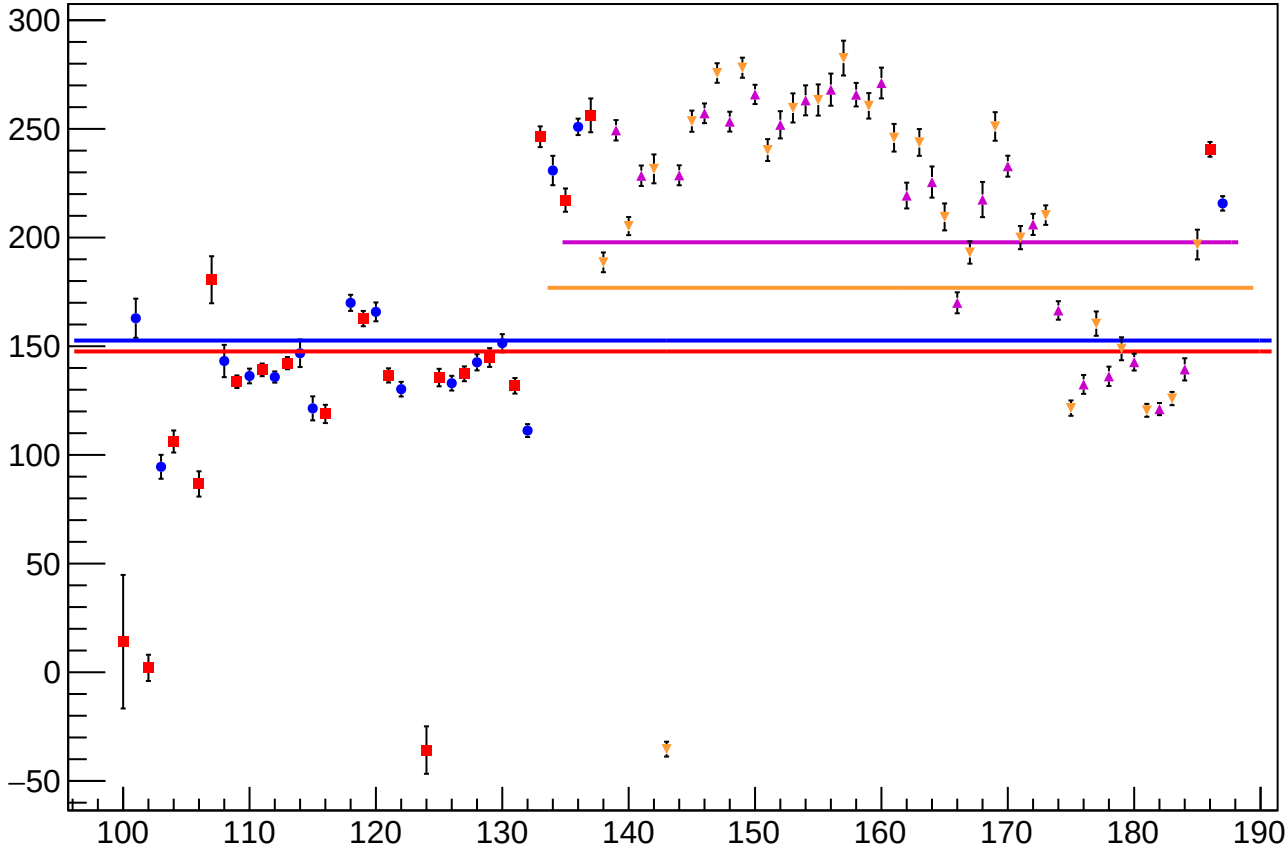
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -131.014+/-0.038 χ^2/NDF: 817502.9/41

All: -131.957+/-0.027 χ^2/NDF: 1532336.3/84

- sign -132.924+/-0.038 χ^2/NDF: 713559.6/42

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 152.621+/-0.961 χ^2/NDF: 1692.8/16

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

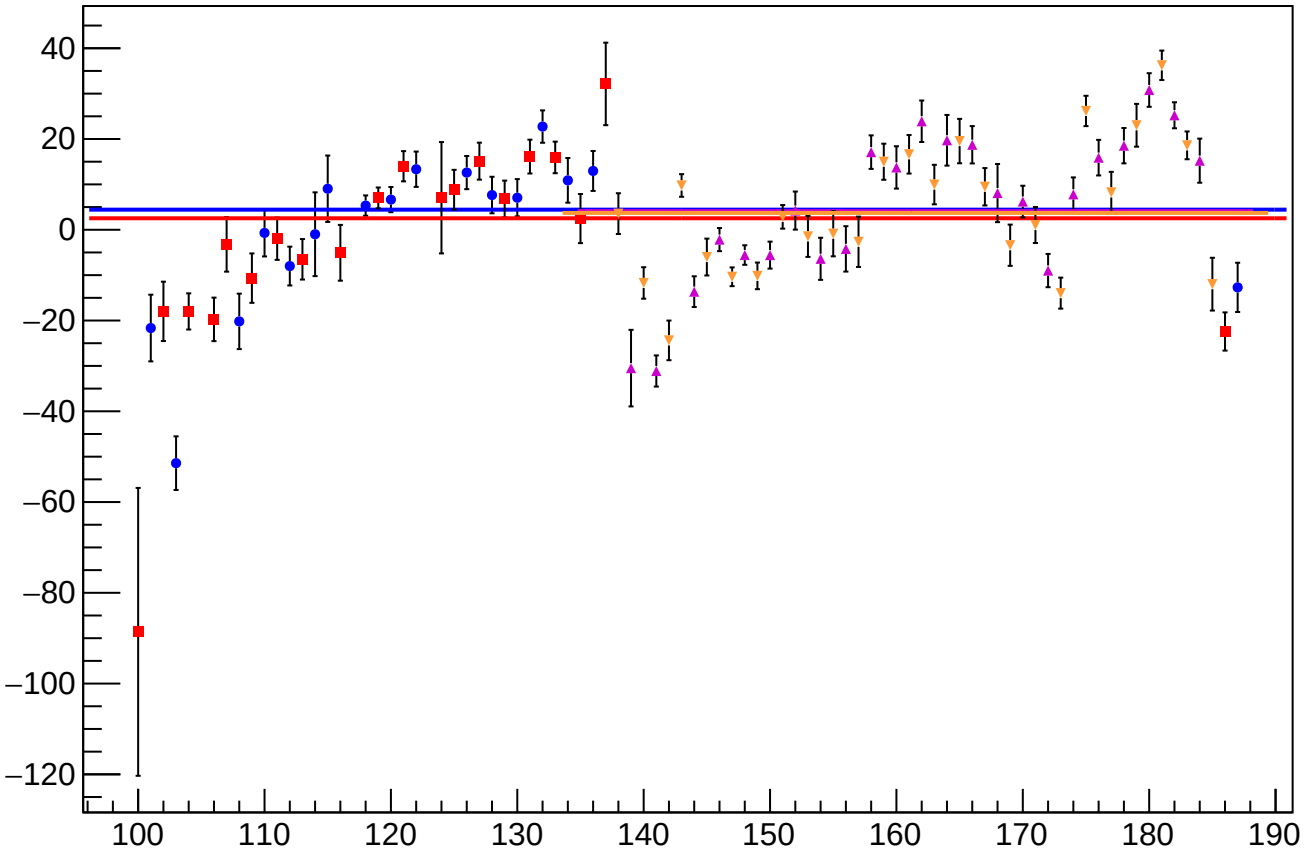
Right Out: 147.602+/-0.924 χ^2/NDF: 2762.4/19

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 164.793+/-0.678 χ^2/NDF: 9437.5/41

All: 167.674+/-0.480 χ^2/NDF: 16556.3/84

- sign 170.575+/-0.680 χ^2/NDF: 7082.6/42



Right In: 4.431+/-1.003 χ^2/NDF: 182.2/16

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: 2.533+/-0.984 χ^2/NDF: 182.0/19

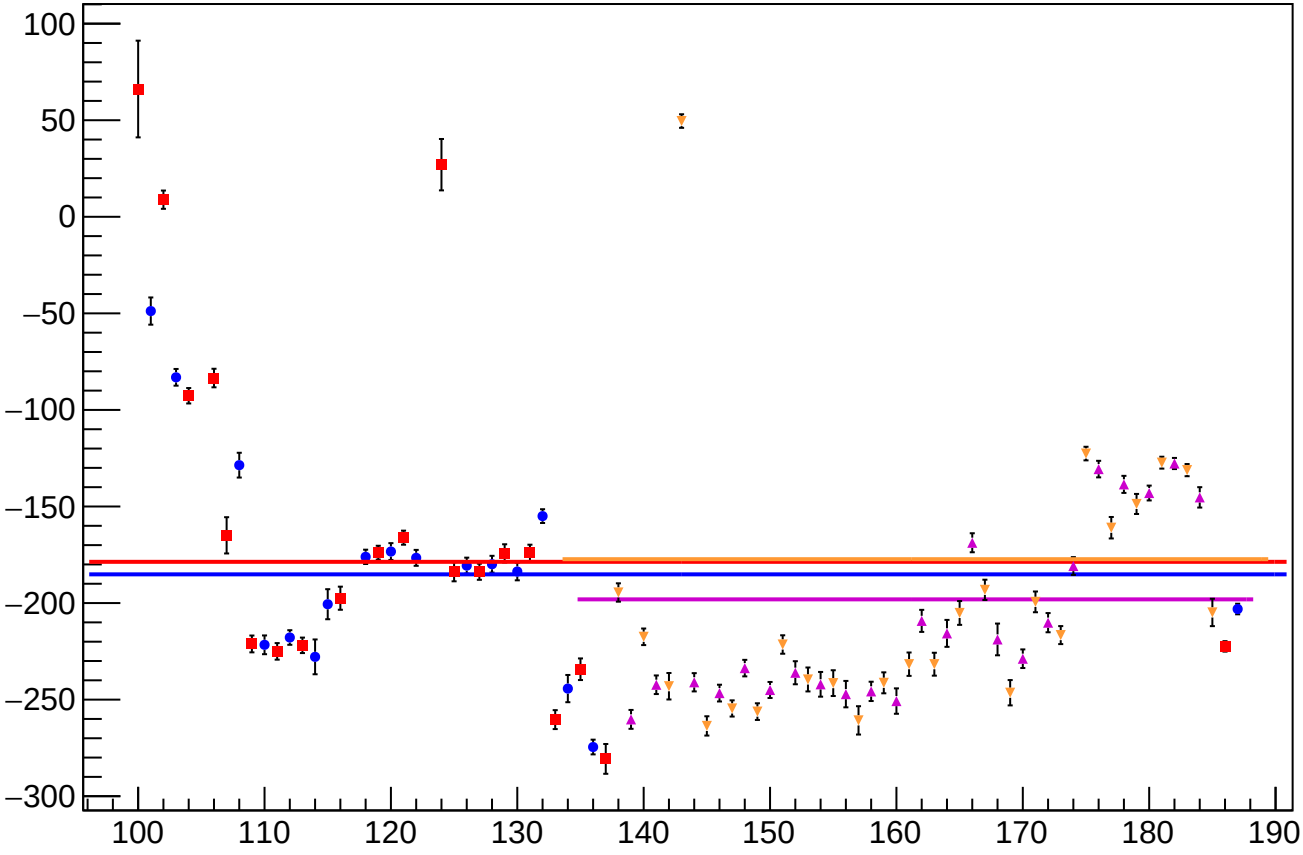
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 3.955+/-0.587 χ^2/NDF: 583.5/41

All: 3.738+/-0.421 χ^2/NDF: 1166.3/84

- sign 3.507+/-0.606 χ^2/NDF: 582.5/42

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -185.134+/-1.063 χ^2/NDF: 1921.0/16

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -178.650+/-1.028 χ^2/NDF: 3934.4/19

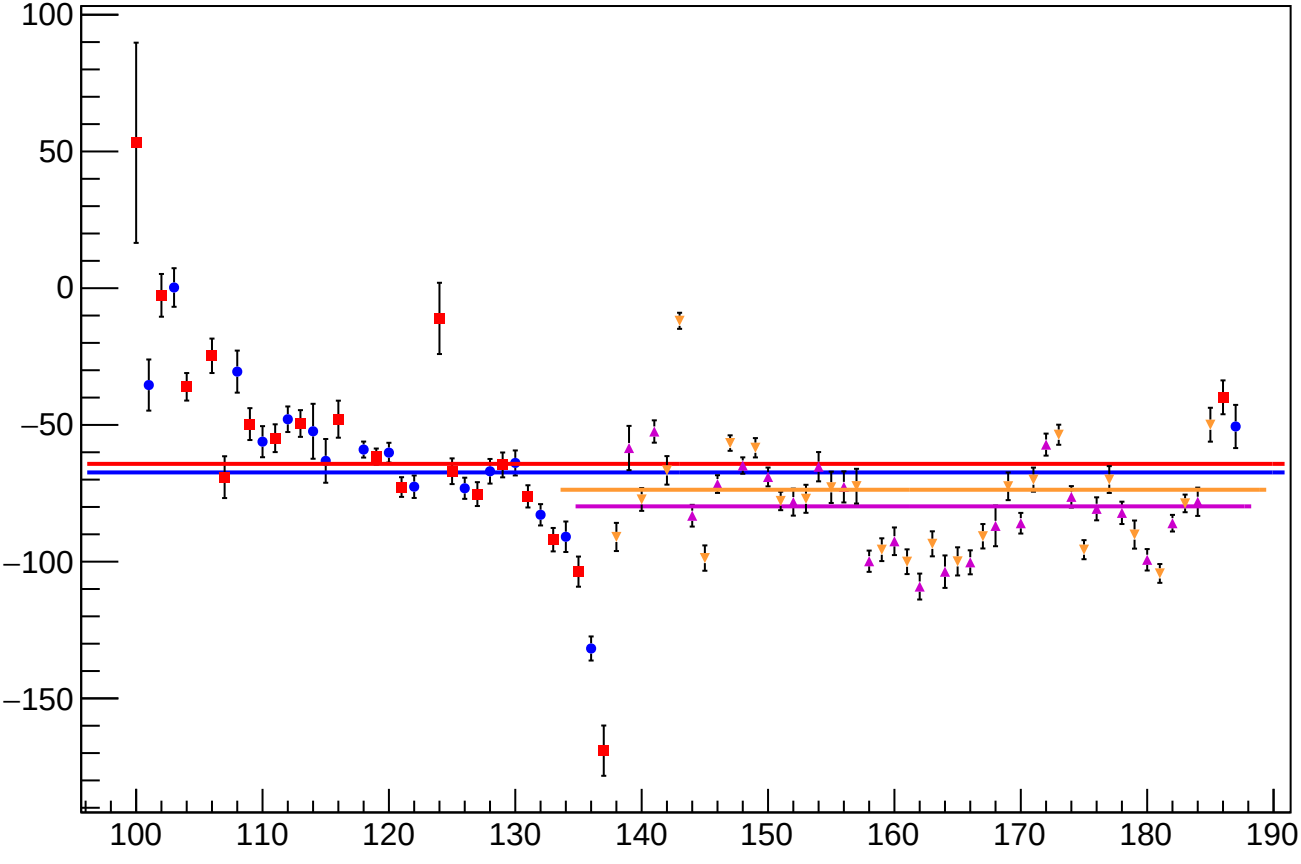
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -180.792+/-0.711 χ^2/NDF: 8991.2/41

All: -184.682+/-0.505 χ^2/NDF: 15555.9/84

- sign -188.635+/-0.717 χ^2/NDF: 6504.4/42

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.370+/-1.168 χ^2/NDF: 418.7/16

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -64.240+/-1.146 χ^2/NDF: 445.0/19

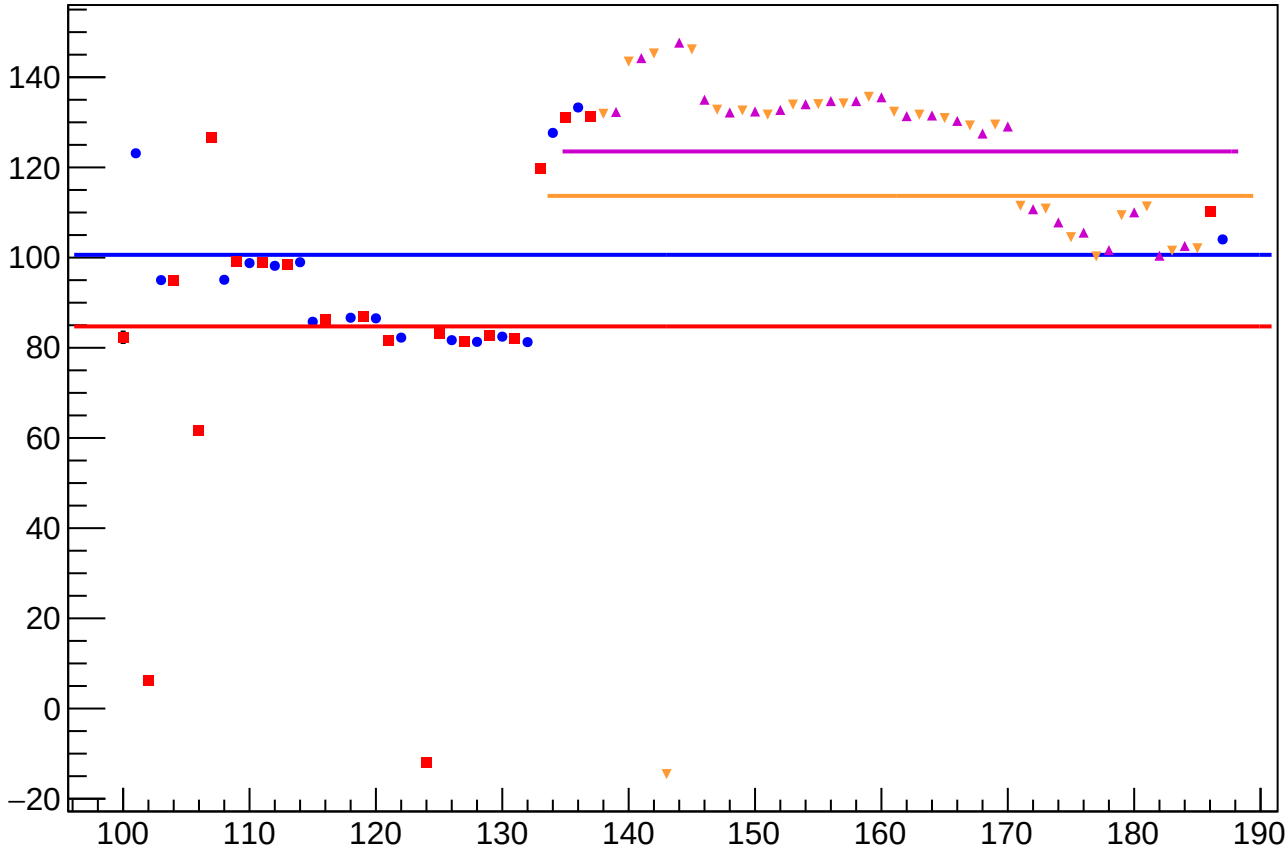
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -71.584+/-0.676 χ^2/NDF: 1277.8/41

All: -72.790+/-0.485 χ^2/NDF: 2122.7/84

- sign -74.066+/-0.695 χ^2/NDF: 838.3/42

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 100.614+/-0.073 χ^2/NDF: 67527.4/16

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 84.742+/-0.068 χ^2/NDF: 267185.3/19

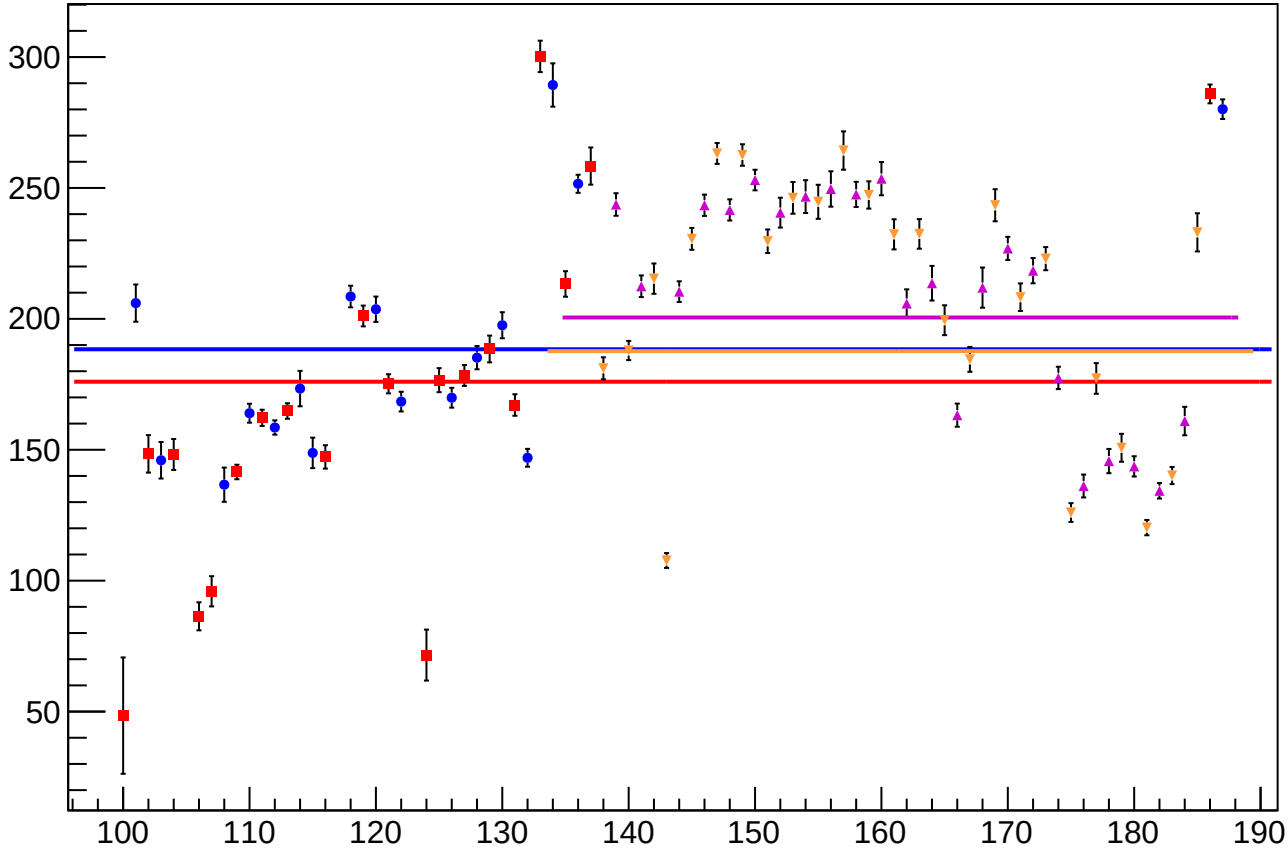
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 110.854+/-0.034 χ^2/NDF: 1055850.9/41

All: 112.306+/-0.024 χ^2/NDF: 1702408.2/84

- sign 113.786+/-0.034 χ^2/NDF: 642865.4/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

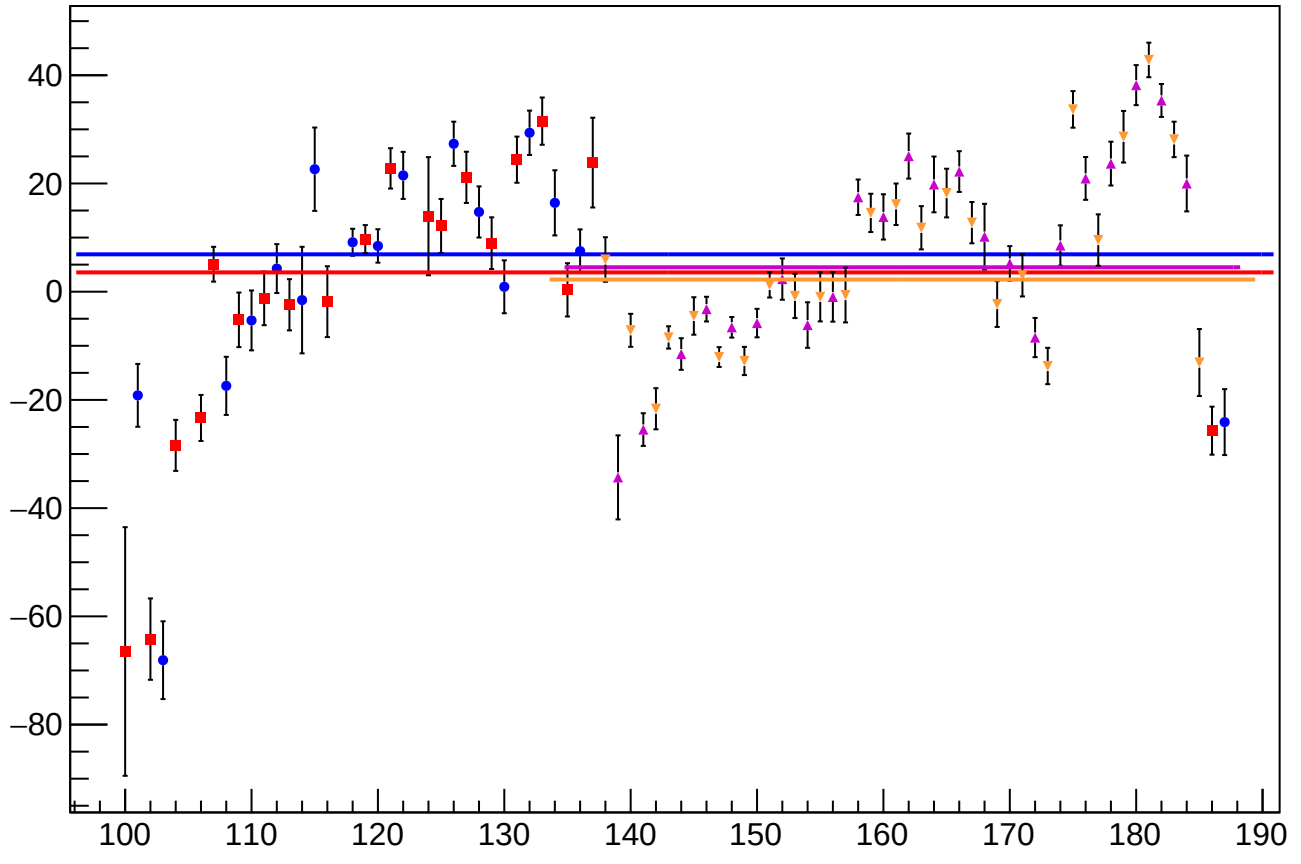
Right Out: 175.993+/-0.982 χ^2/NDF: 2498.3/19

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.979+/-0.681 χ^2/NDF: 5171.2/41

All: 188.287+/-0.483 χ^2/NDF: 10102.0/84

- sign 188.597+/-0.685 χ^2/NDF: 4930.4/42



Right In: 6.906+/-1.095 χ^2/NDF: 259.7/16

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: 3.568+/-1.033 χ^2/NDF: 348.9/19

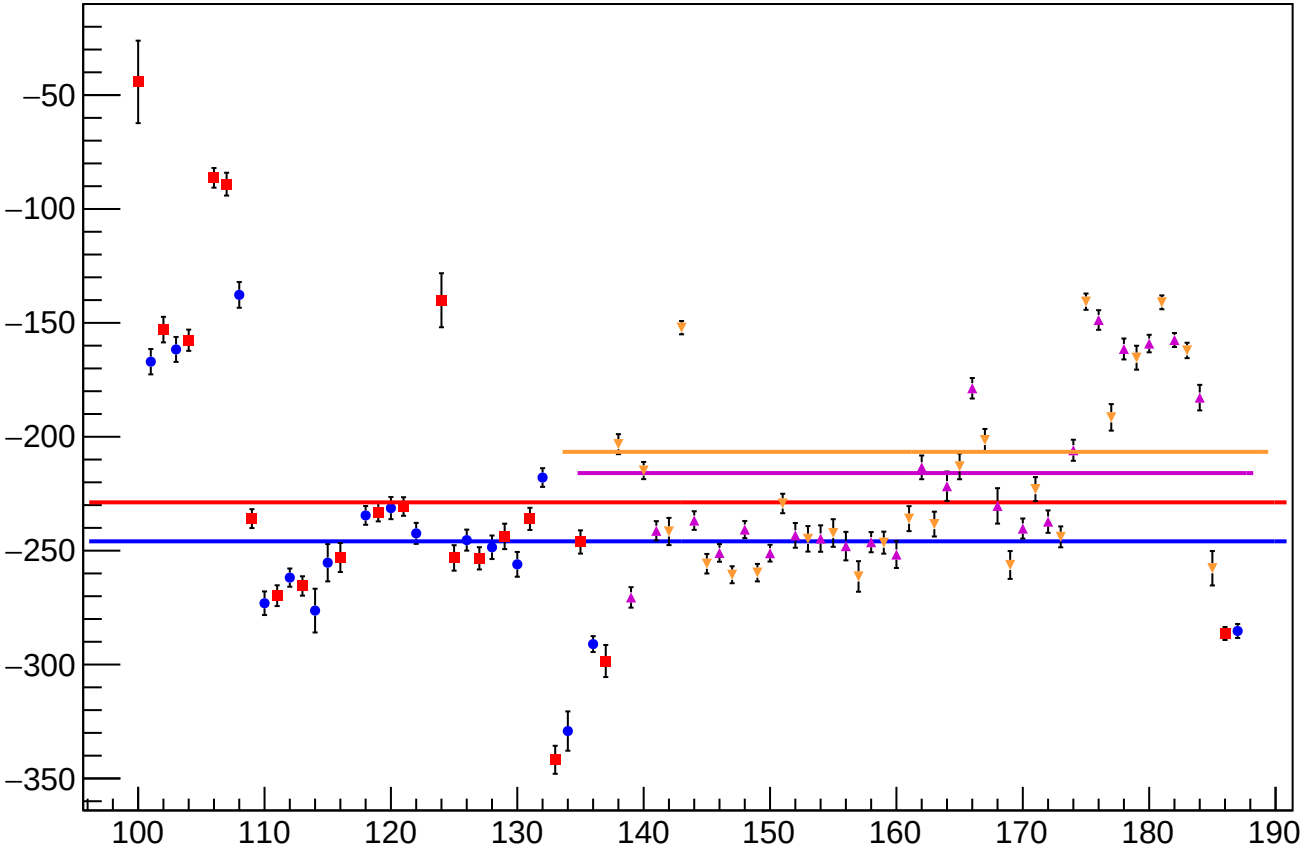
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 3.500+/-0.568 χ^2/NDF: 873.8/41

All: 3.842+/-0.408 χ^2/NDF: 1771.1/84

- sign 4.207+/-0.587 χ^2/NDF: 896.6/42

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -245.907+/-1.155 χ^2/NDF: 1352.3/16

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

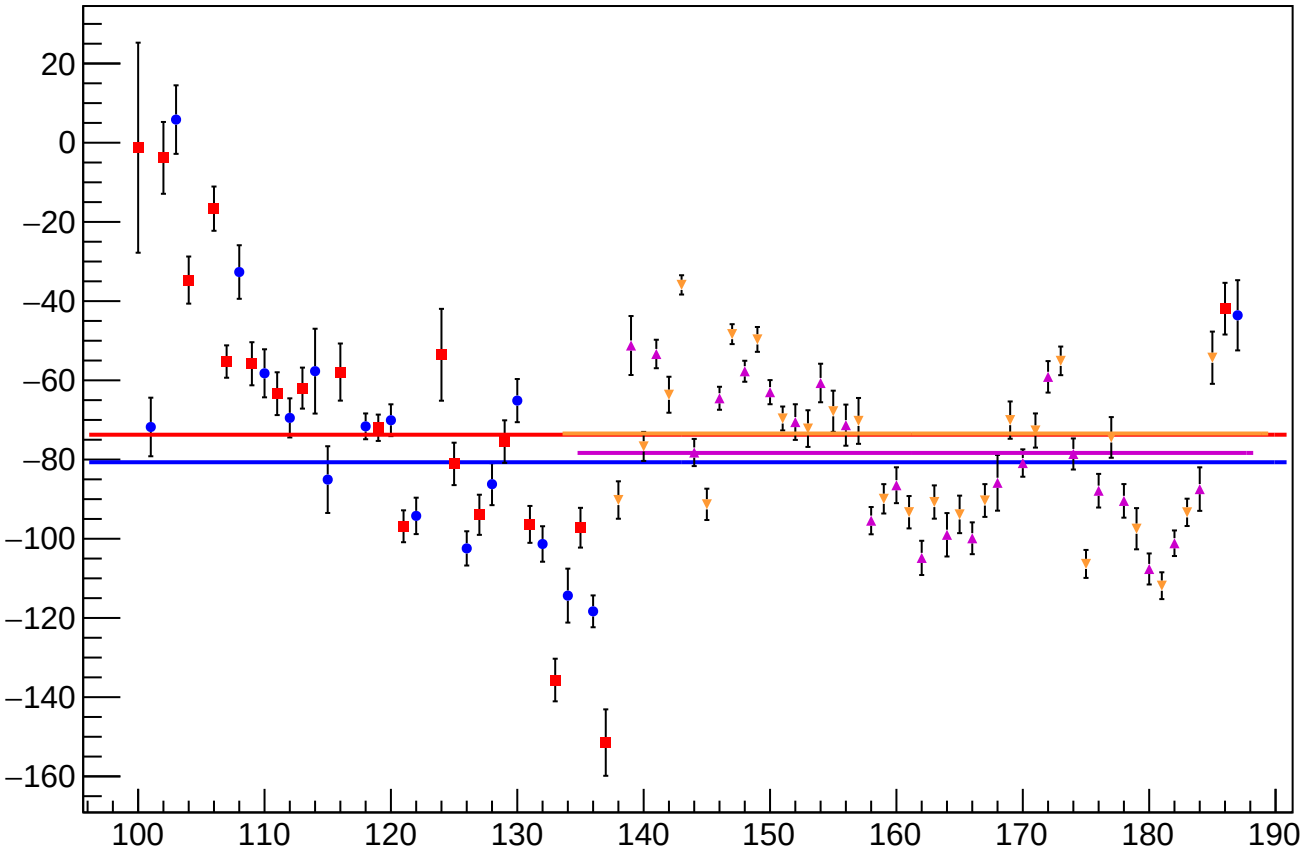
Right Out: -228.792+/-1.088 χ^2/NDF: 3523.0/19

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.359+/-0.707 χ^2/NDF: 4543.7/41

All: -221.416+/-0.502 χ^2/NDF: 9858.1/84

- sign -221.474+/-0.714 χ^2/NDF: 5314.5/42



Right In: -80.680+/-1.273 χ^2/NDF: 384.4/16

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

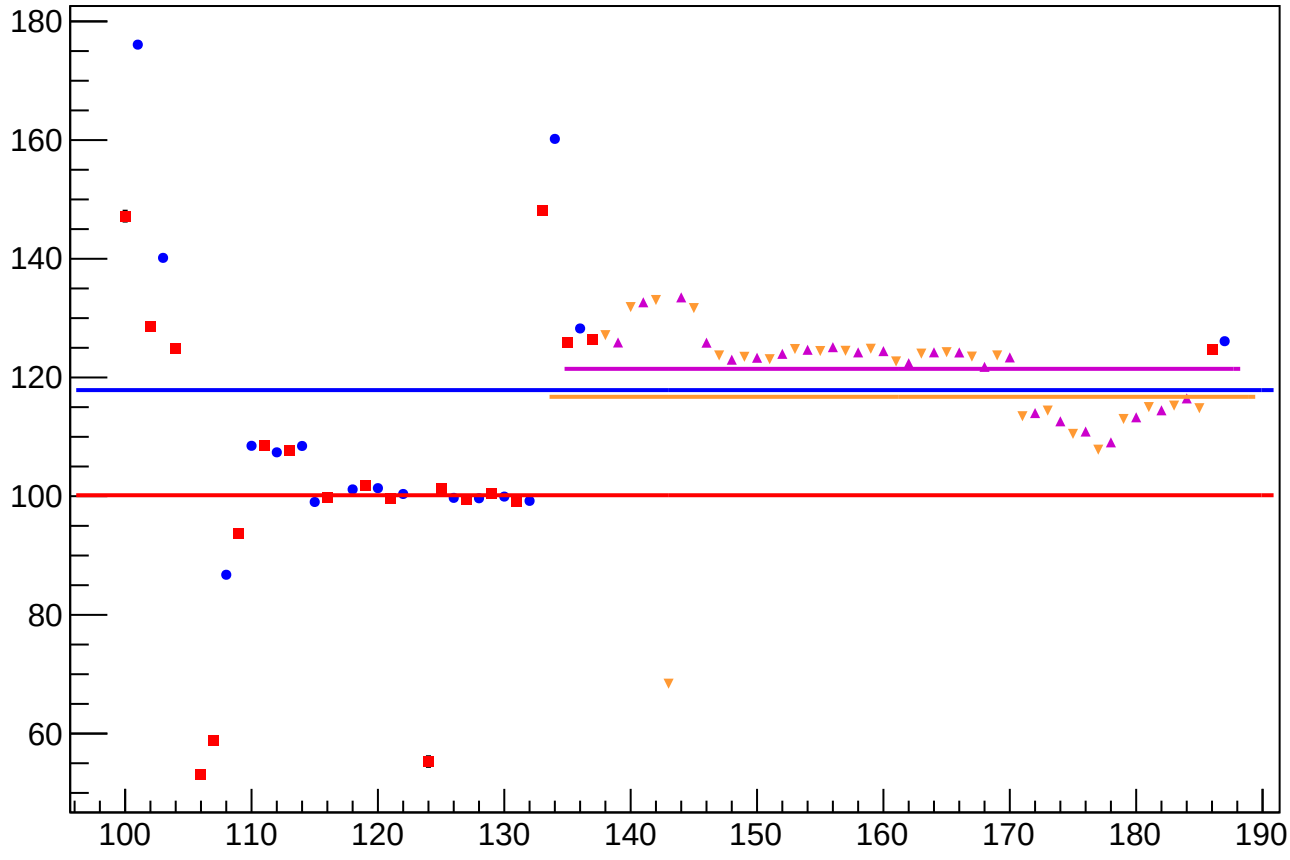
Right Out: -73.731+/-1.209 χ^2/NDF: 601.2/19

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -75.357+/-0.657 χ^2/NDF: 1244.7/41

All: -76.099+/-0.472 χ^2/NDF: 2301.8/84

\- sign -76.887+/-0.677 χ^2/NDF: 1054.4/42



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 100.158+/-0.070 χ^2/NDF: 169038.4/19

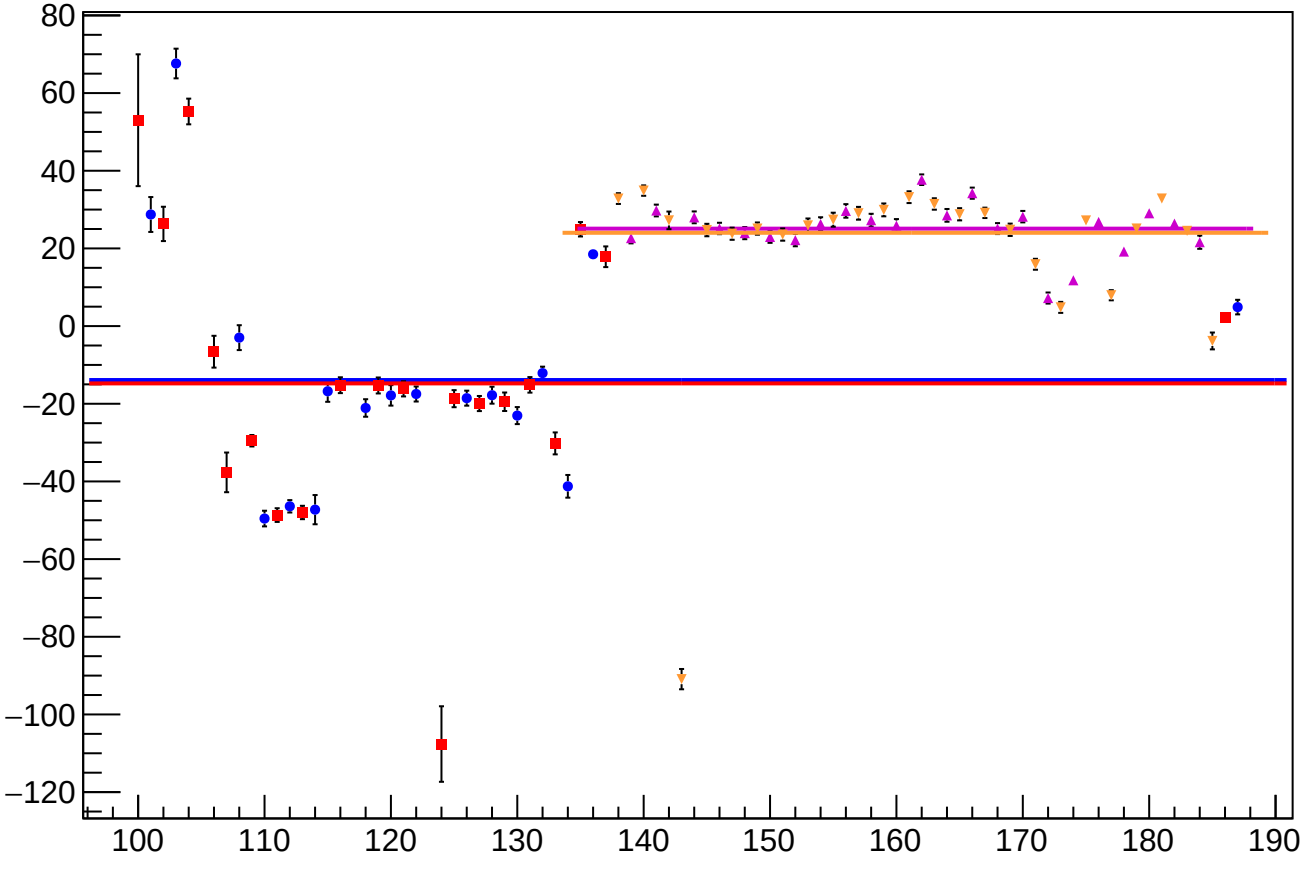
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.941+/-0.032 χ^2/NDF: 299509.8/41

All: 116.822+/-0.023 χ^2/NDF: 570269.6/84

- sign 116.701+/-0.033 χ^2/NDF: 270732.8/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -13.890+/-0.518 χ^2/NDF: 2232.5/16

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -14.757+/-0.487 χ^2/NDF: 2345.9/19

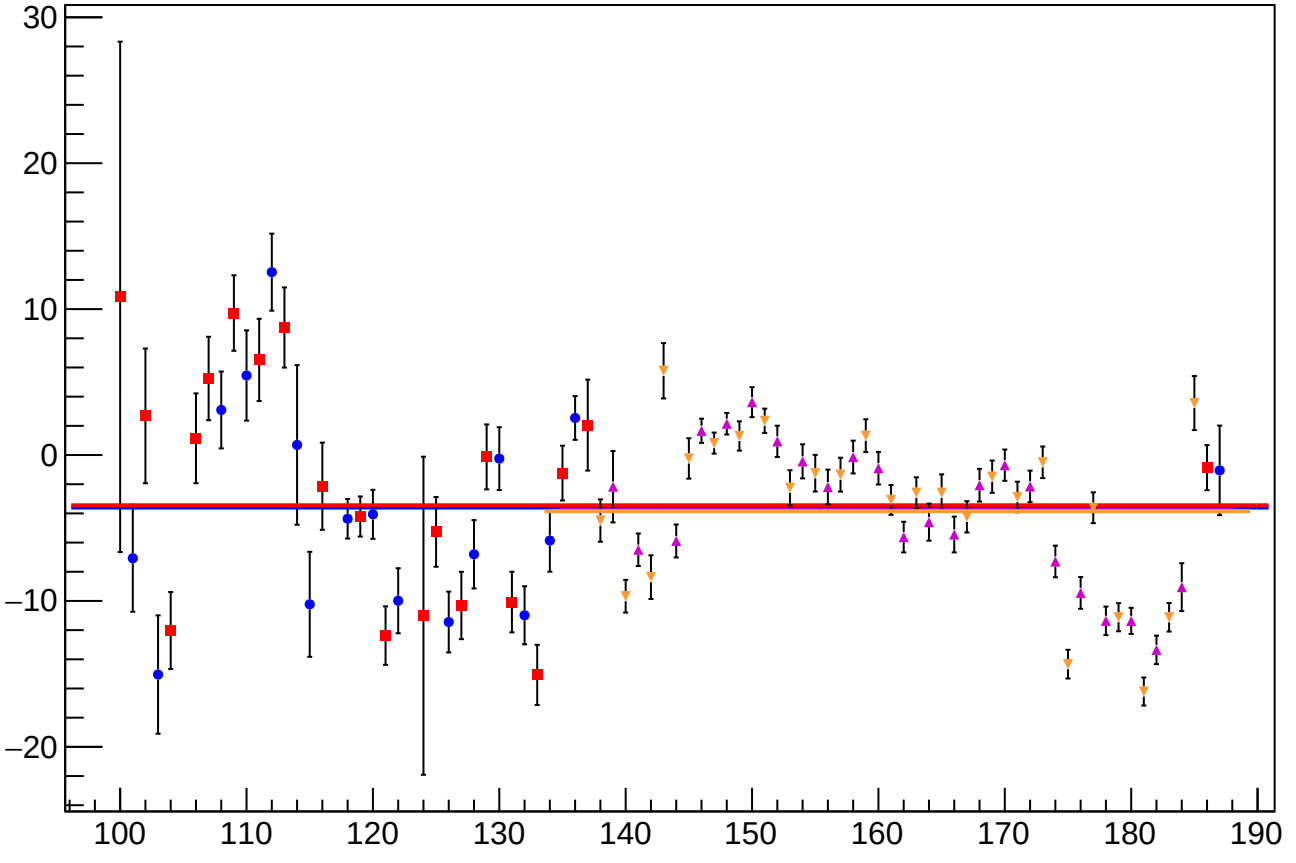
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.359+/-0.248 χ^2/NDF: 9165.9/41

All: 15.083+/-0.175 χ^2/NDF: 16975.8/84

- sign 14.808+/-0.247 χ^2/NDF: 7807.4/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -3.597+/-0.543 χ^2/NDF: 124.7/16

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -3.446+/-0.530 χ^2/NDF: 164.4/19

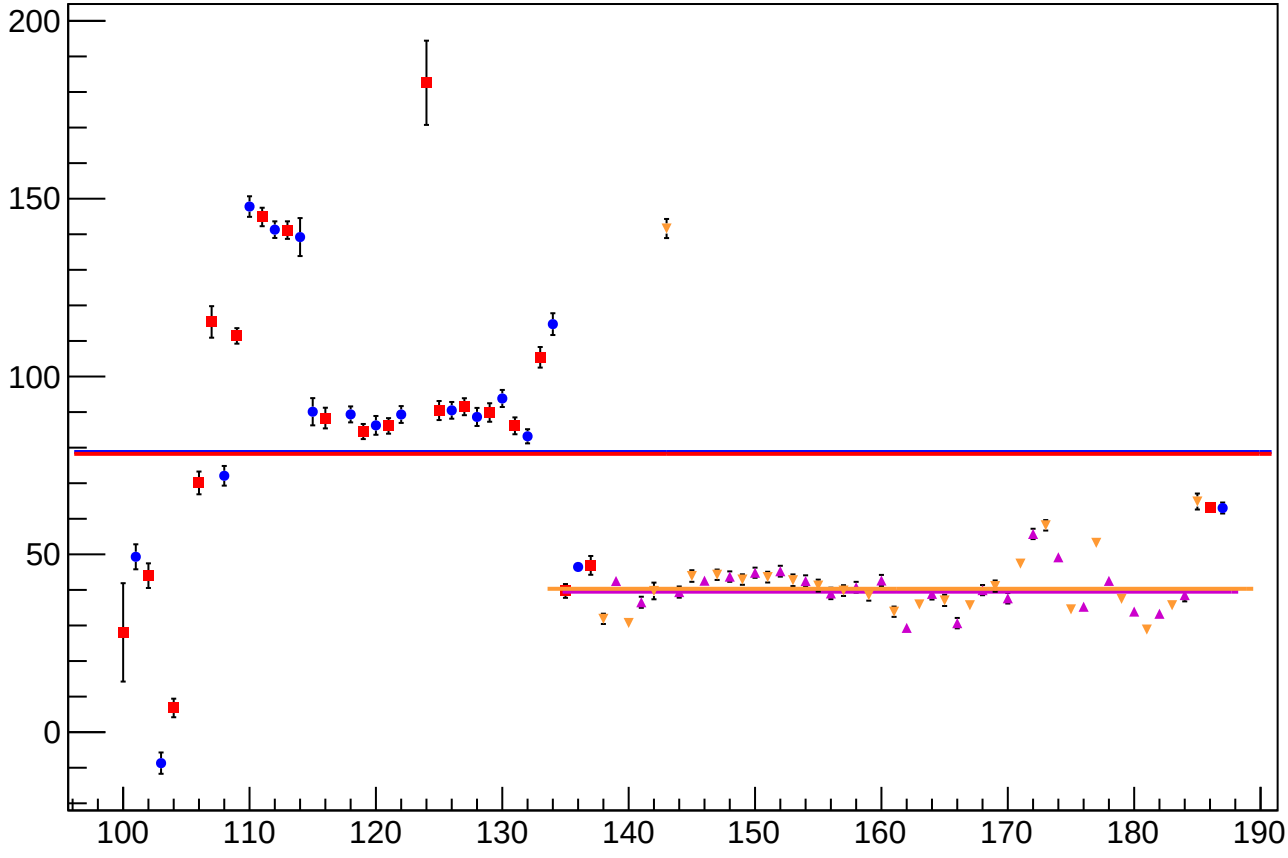
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.811+/-0.202 χ^2/NDF: 774.2/41

All: -3.771+/-0.144 χ^2/NDF: 1448.9/84

- sign -3.729+/-0.206 χ^2/NDF: 674.6/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 78.766+/-0.565 χ^2/NDF: 3350.7/16

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 78.264+/-0.524 χ^2/NDF: 3525.5/19

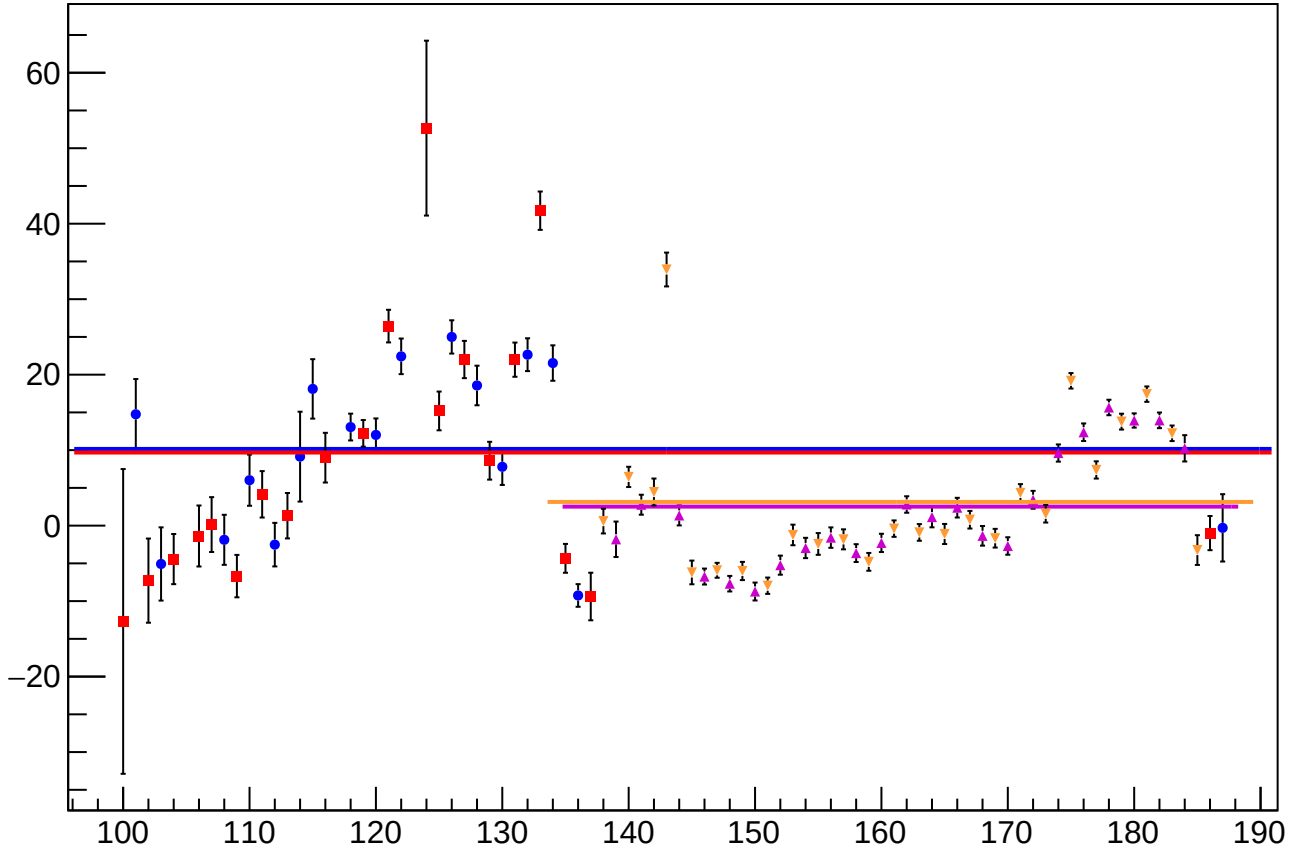
Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 47.906+/-0.251 χ^2/NDF: 9252.2/41

All: 48.126+/-0.177 χ^2/NDF: 17438.7/84

- sign 48.345+/-0.250 χ^2/NDF: 8185.0/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.161+/-0.620 χ^2/NDF: 365.4/16

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 9.684+/-0.616 χ^2/NDF: 494.8/19

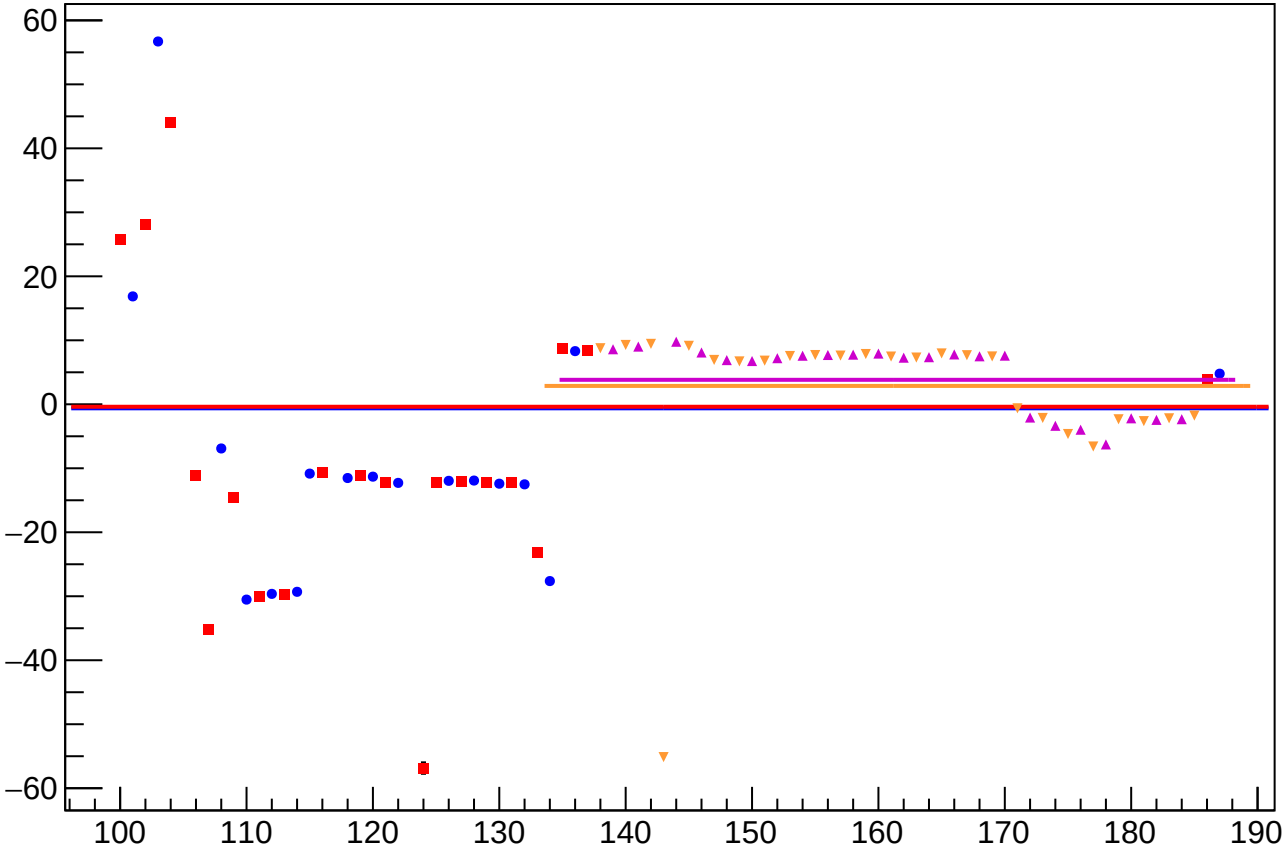
Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 4.092+/-0.228 χ^2/NDF: 1743.0/41

All: 3.820+/-0.163 χ^2/NDF: 3324.9/84

- sign 3.539+/-0.232 χ^2/NDF: 1579.0/42

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: -0.629+/-0.036 χ^2/NDF: 368491.5/16

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

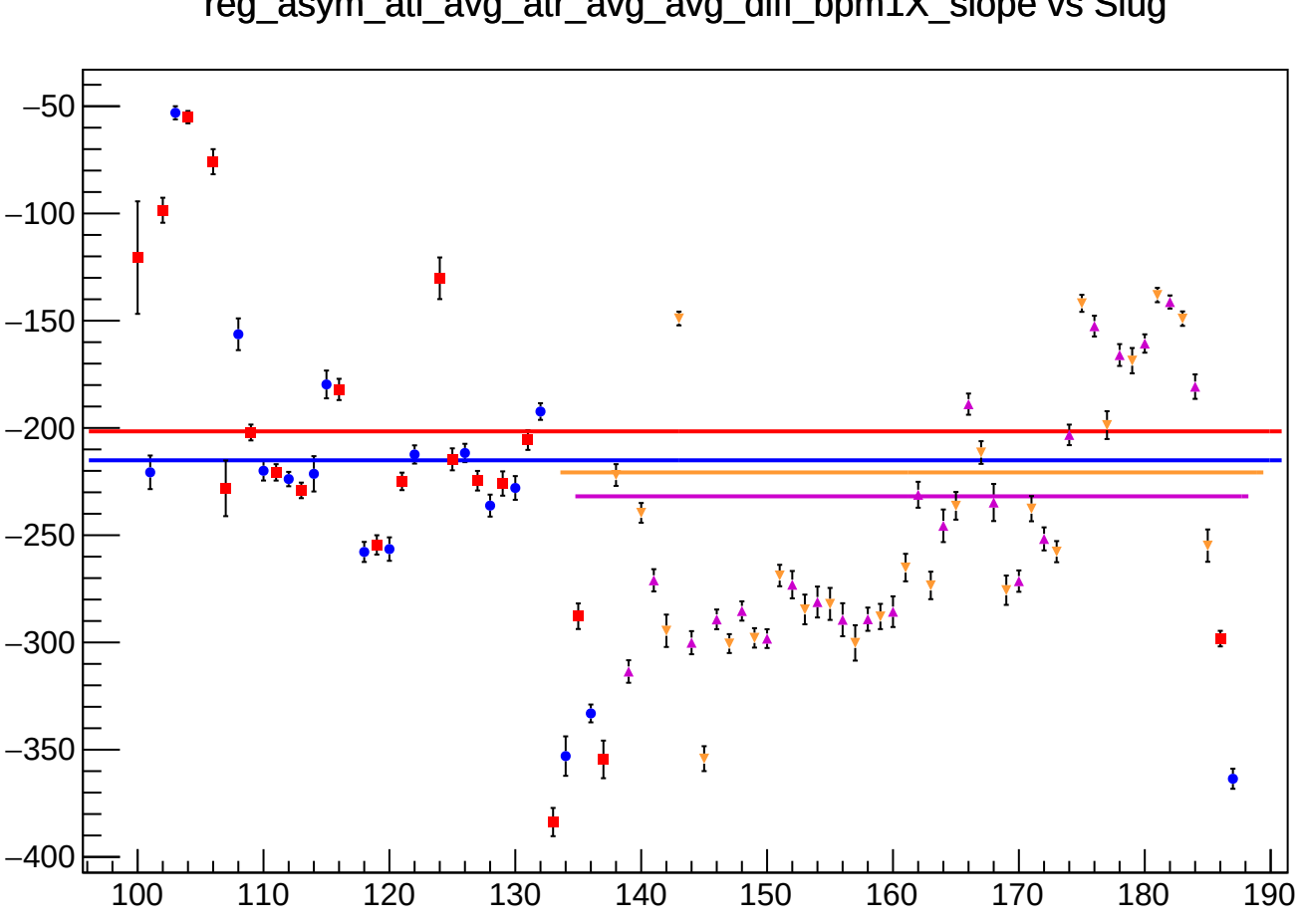
Right Out: -0.386+/-0.036 χ^2/NDF: 317232.9/19

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.564+/-0.010 χ^2/NDF: 889688.2/41

All: 3.010+/-0.007 χ^2/NDF: 1456071.6/84

- sign 3.466+/-0.011 χ^2/NDF: 562737.0/42



Right In: -215.077+/-1.149 χ^2/NDF: 5125.2/16

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

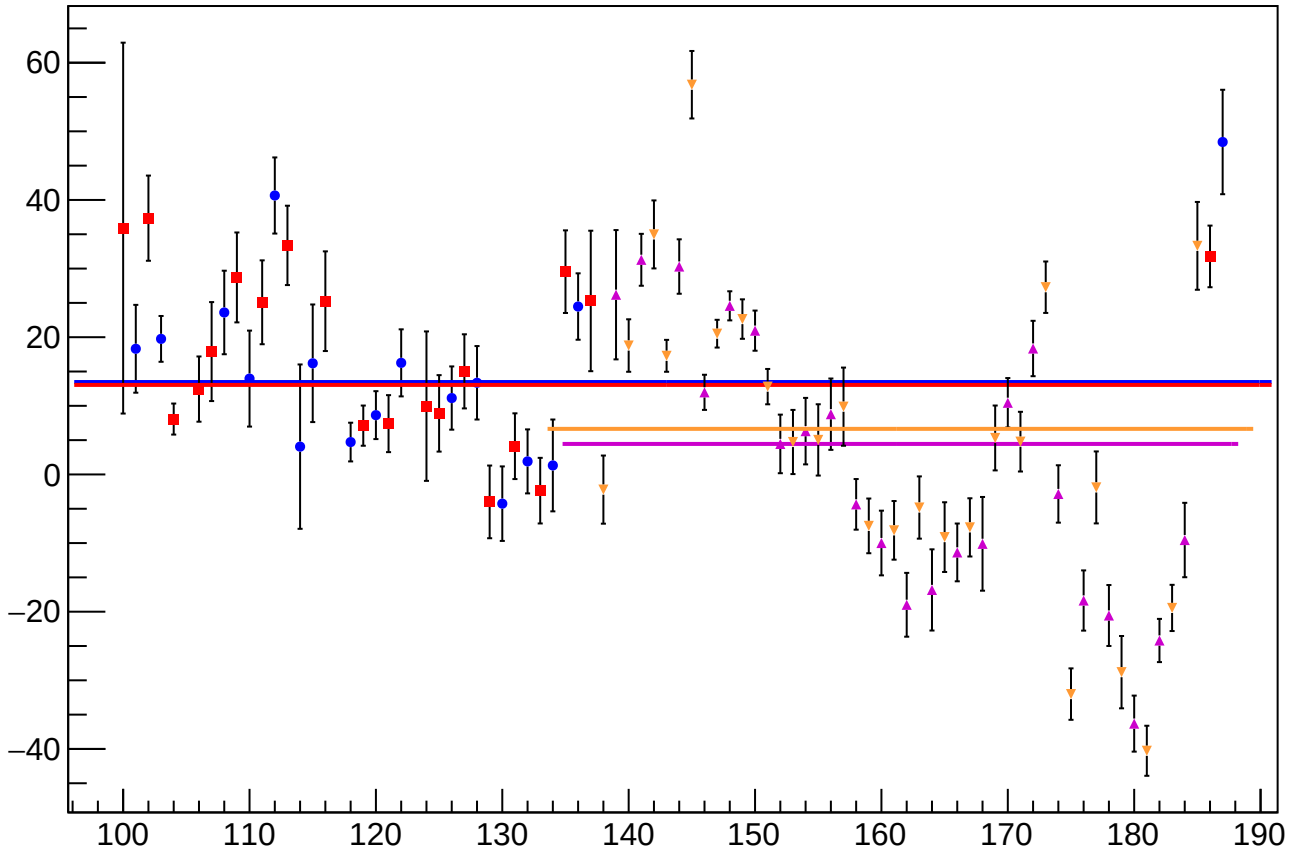
Right Out: -201.582+/-1.072 χ^2/NDF: 5746.0/19

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

\+ sign -218.238+/-0.762 χ^2/NDF: 9191.0/41

All: -217.449+/-0.538 χ^2/NDF: 18496.6/84

\- sign -216.663+/-0.760 χ^2/NDF: 9303.5/42



Right In: 13.466+/-1.188 χ^2/NDF: 90.2/16

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

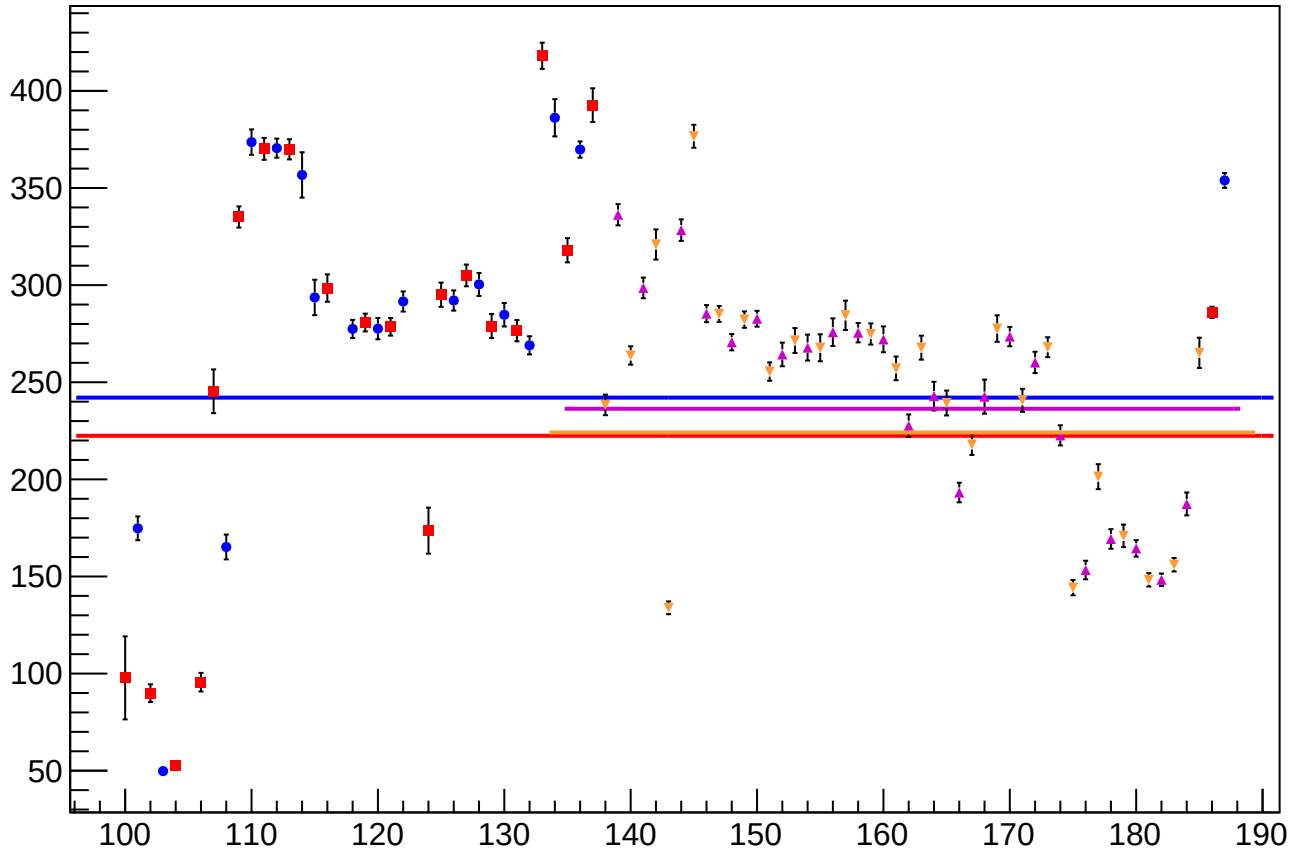
Right Out: 13.048+/-1.088 χ^2/NDF: 103.4/19

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 8.597+/-0.636 χ^2/NDF: 848.7/41

All: 8.059+/-0.454 χ^2/NDF: 1560.9/84

- sign 7.499+/-0.648 χ^2/NDF: 710.8/42



Right In: 242.082+/-1.197 χ^2/NDF: 10311.1/16

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

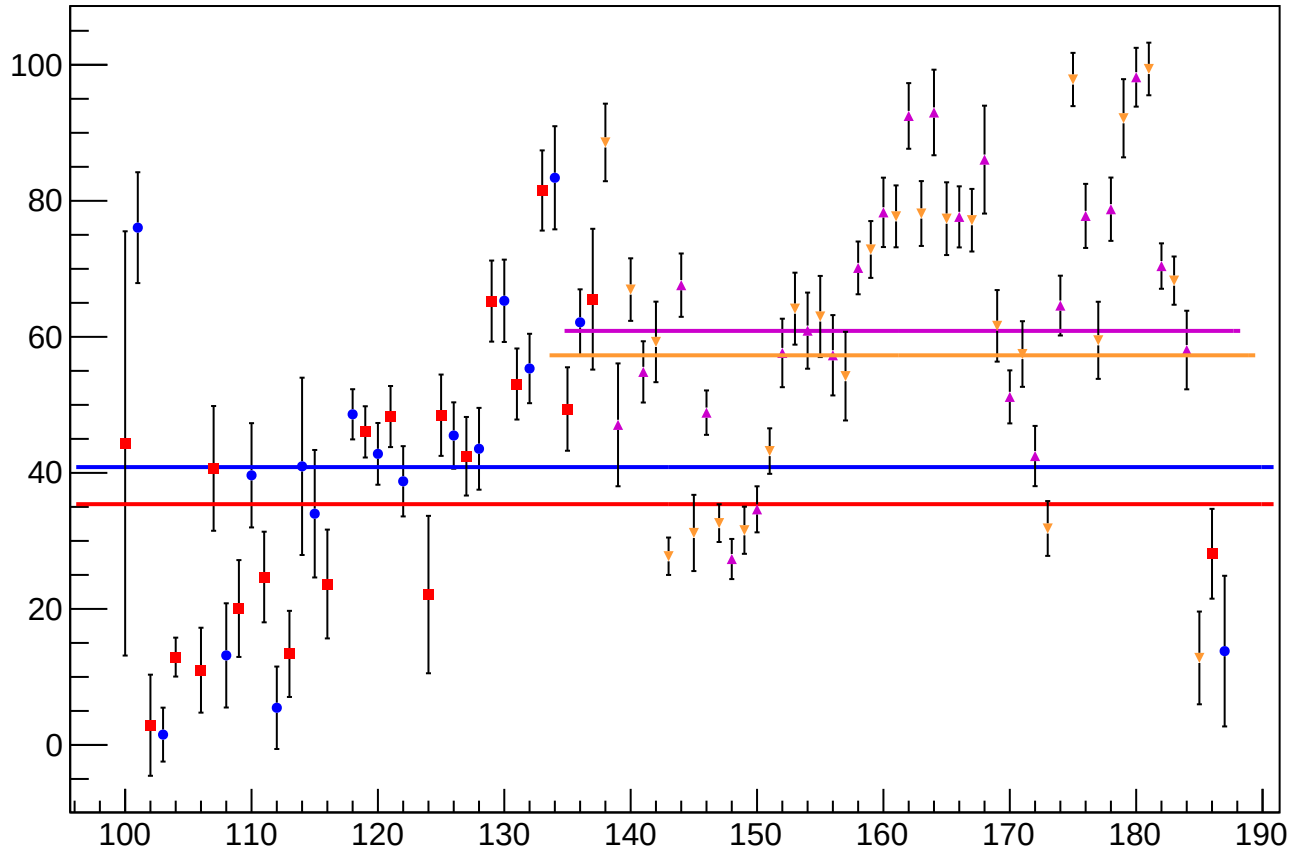
Right Out: 222.423+/-1.105 χ^2/NDF: 12036.2/19

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 231.622+/-0.774 χ^2/NDF: 14408.8/41

All: 230.617+/-0.545 χ^2/NDF: 29523.5/84

- sign 229.628+/-0.767 χ^2/NDF: 15111.3/42



Right In: 40.851+/-1.387 χ^2/NDF: 251.8/16

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

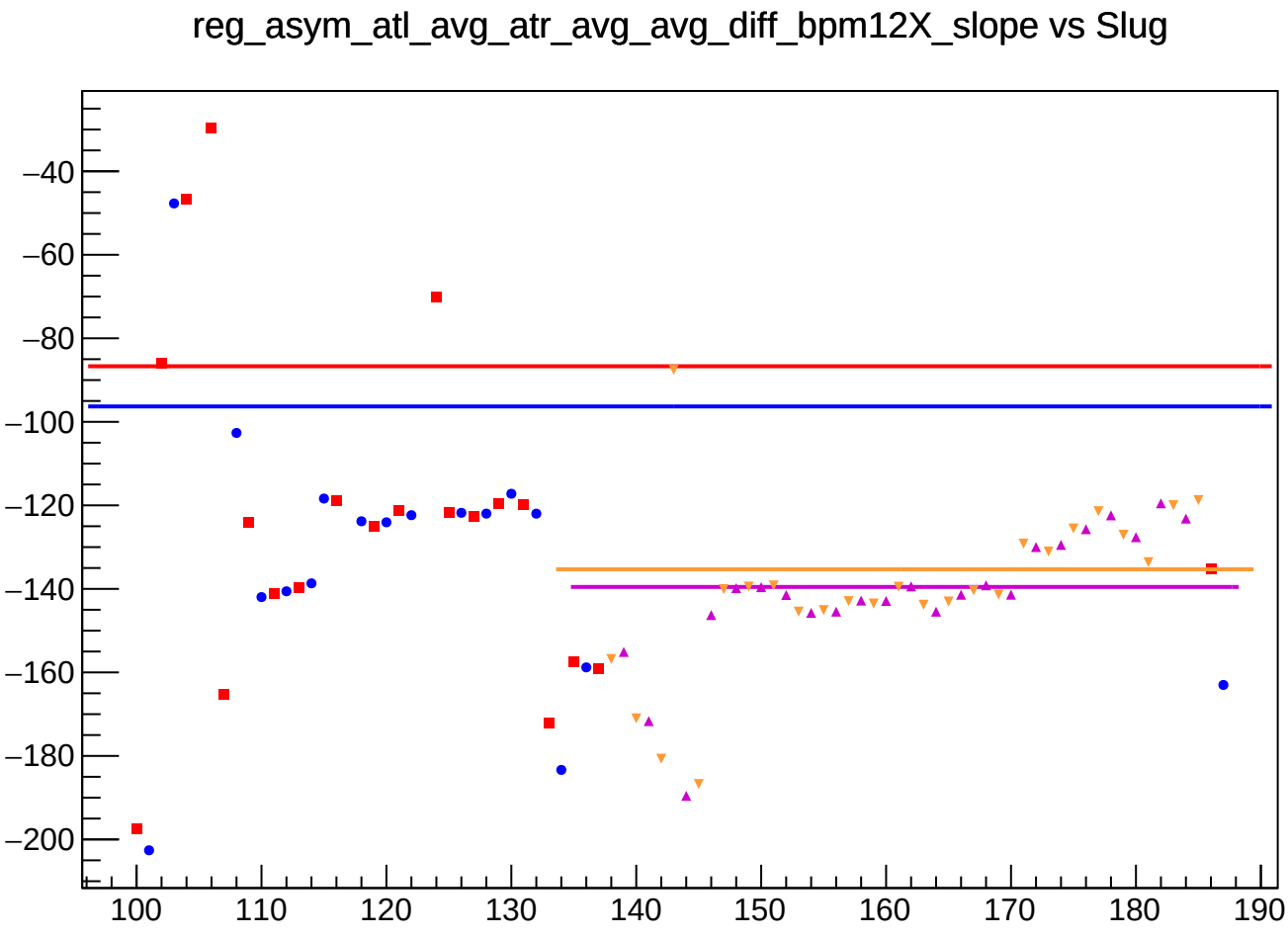
Right Out: 35.402+/-1.292 χ^2/NDF: 254.5/19

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 52.660+/-0.736 χ^2/NDF: 1120.6/41

All: 52.469+/-0.525 χ^2/NDF: 2087.6/84

- sign 52.270+/-0.751 χ^2/NDF: 966.8/42



Right In: -96.312+/-0.069 χ^2/NDF: 531775.3/16

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

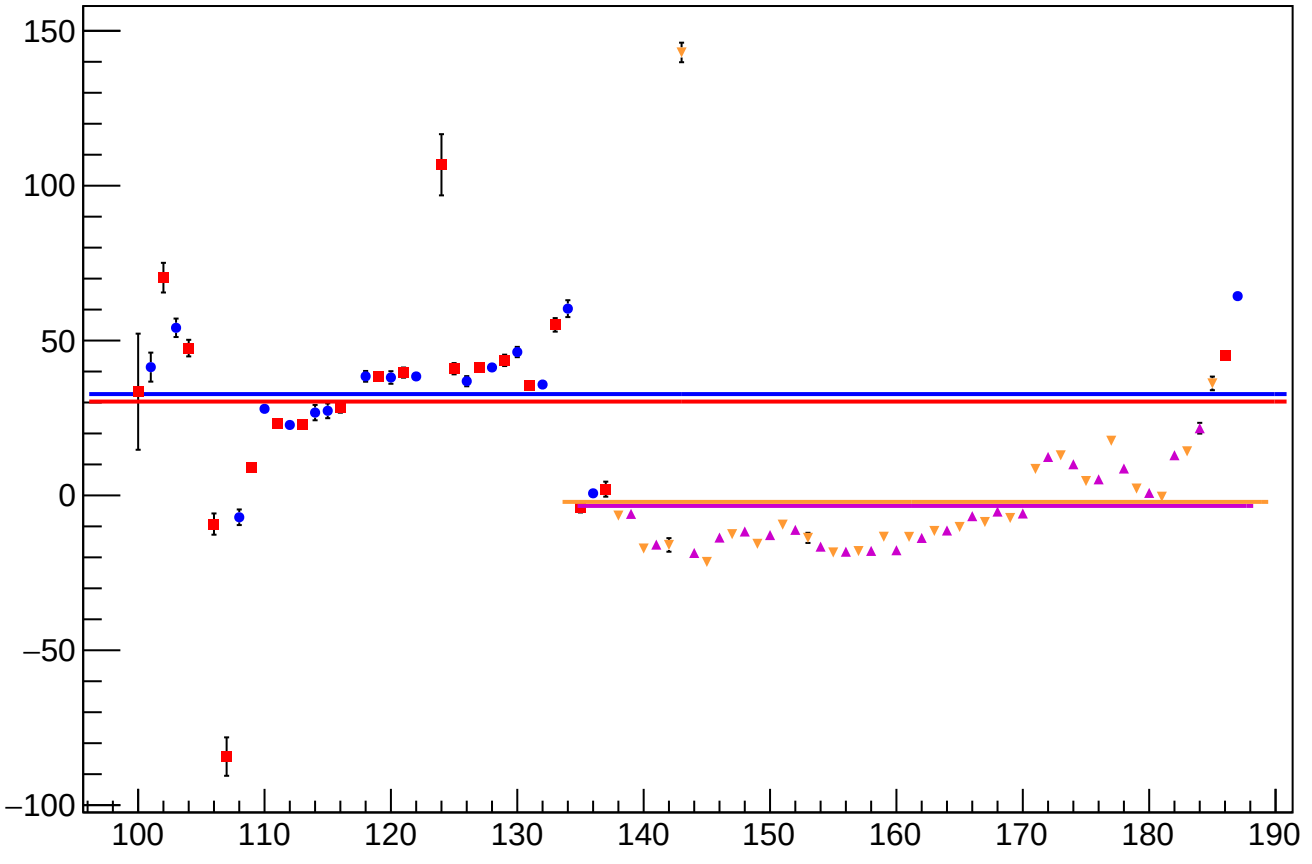
Right Out: -86.688+/-0.066 χ^2/NDF: 493312.9/19

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -125.289+/-0.035 χ^2/NDF: 1031858.2/41

All: -124.822+/-0.025 χ^2/NDF: 2092819.1/84

- sign -124.339+/-0.036 χ^2/NDF: 1060597.5/42



Right In: 32.716+/-0.403 χ^2/NDF: 2023.1/16

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

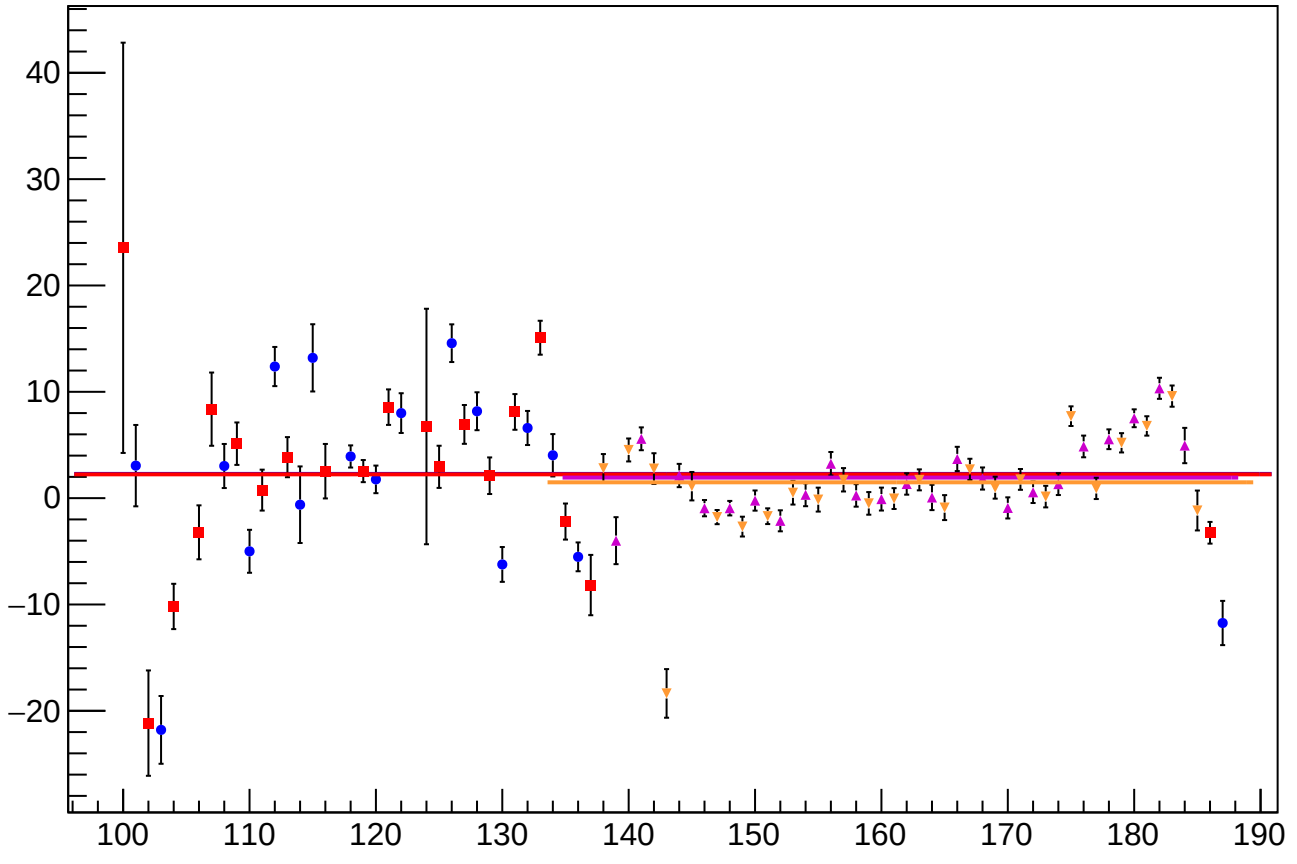
Right Out: 30.300+/-0.370 χ^2/NDF: 2317.9/19

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 8.527+/-0.222 χ^2/NDF: 11417.4/41

All: 8.449+/-0.156 χ^2/NDF: 20873.5/84

\- sign 8.373+/-0.219 χ^2/NDF: 9455.9/42



Right In: 2.278+/-0.433 χ^2/NDF: 297.4/16

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

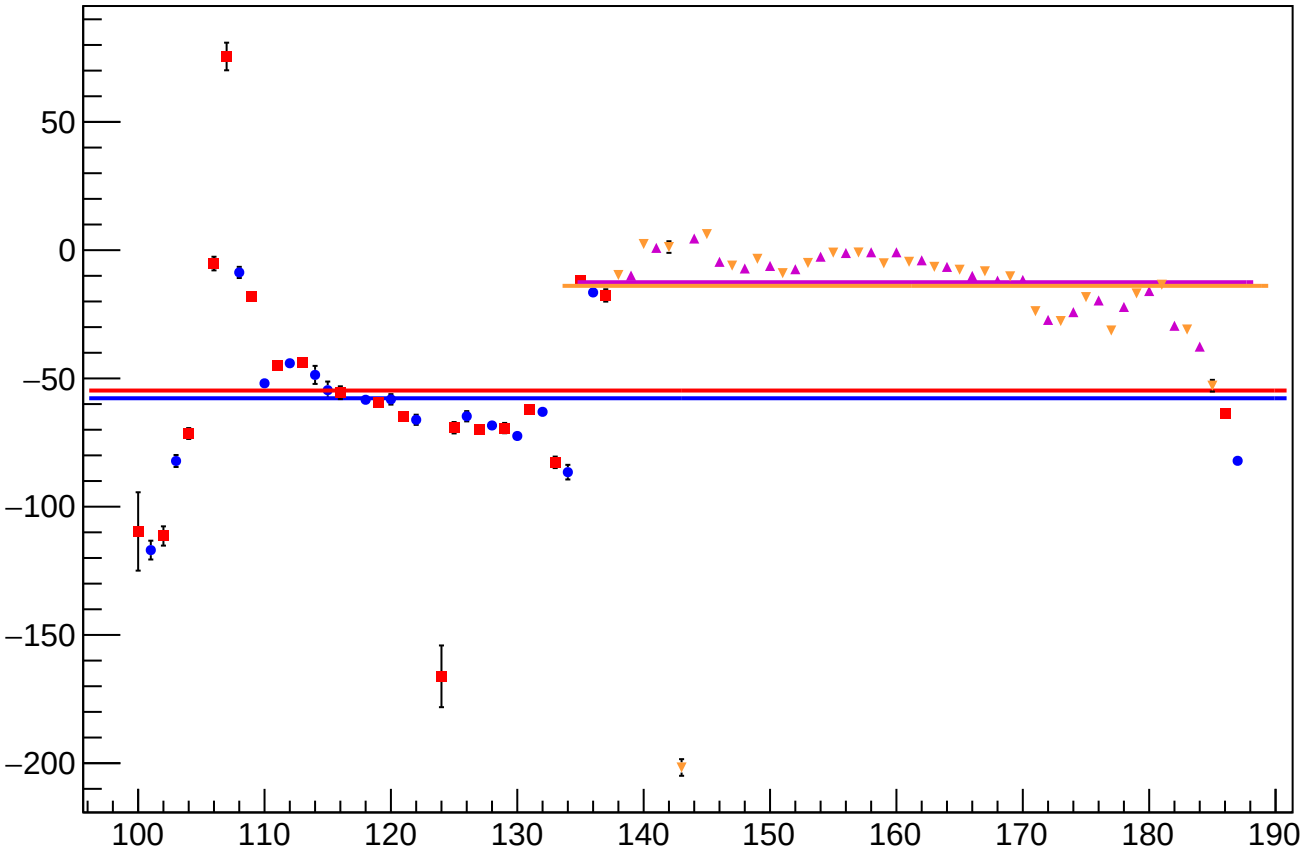
Right Out: 2.240+/-0.414 χ^2/NDF: 216.5/19

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.633+/-0.185 χ^2/NDF: 628.7/41

All: 1.812+/-0.132 χ^2/NDF: 1088.2/84

- sign 1.996+/-0.188 χ^2/NDF: 457.6/42



Right In: -57.734+/-0.442 χ^2/NDF: 2986.4/16

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

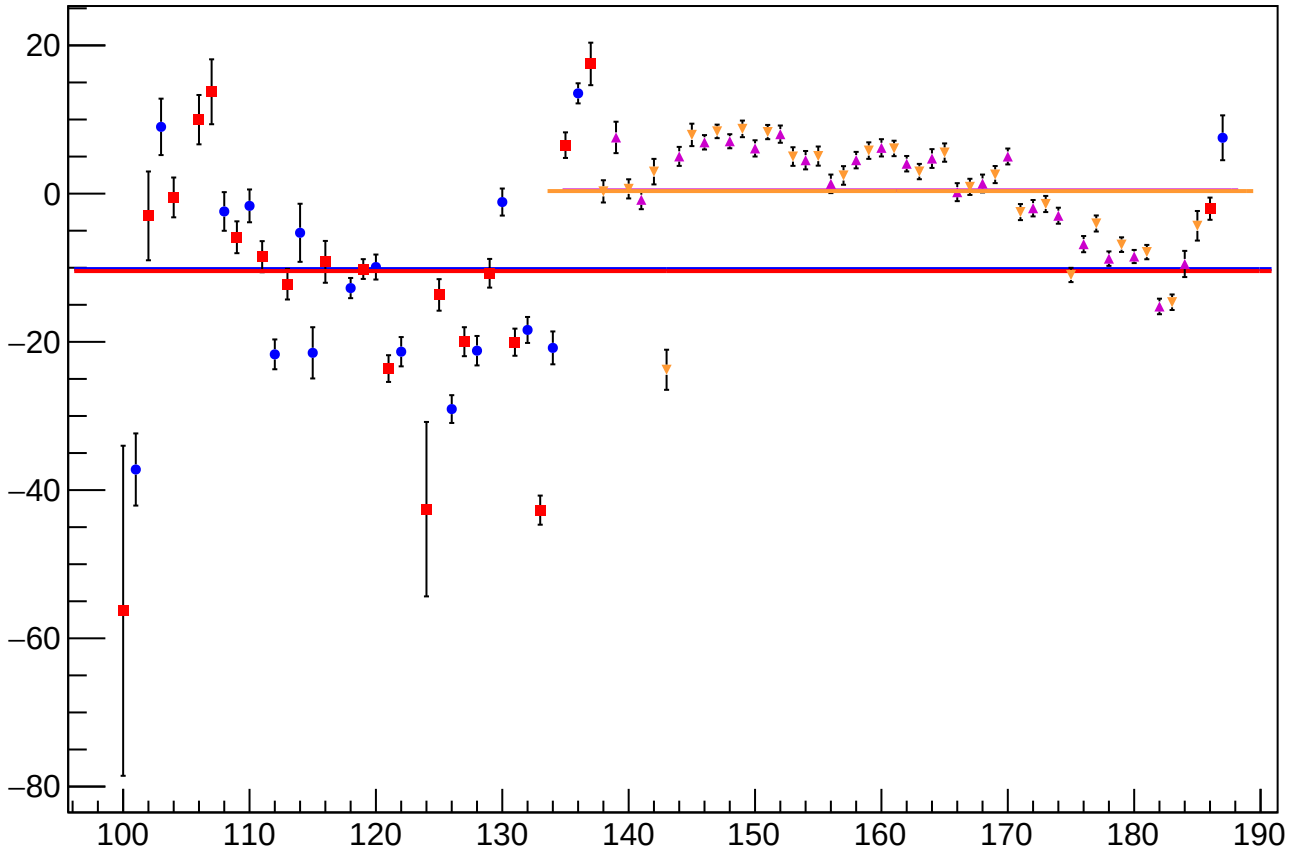
Right Out: -54.722+/-0.396 χ^2/NDF: 3294.6/19

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -25.464+/-0.227 χ^2/NDF: 15342.5/41

All: -25.640+/-0.159 χ^2/NDF: 27856.6/84

- sign -25.810+/-0.222 χ^2/NDF: 12513.0/42



Right In: -10.181+/-0.499 χ^2/NDF: 701.6/16

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

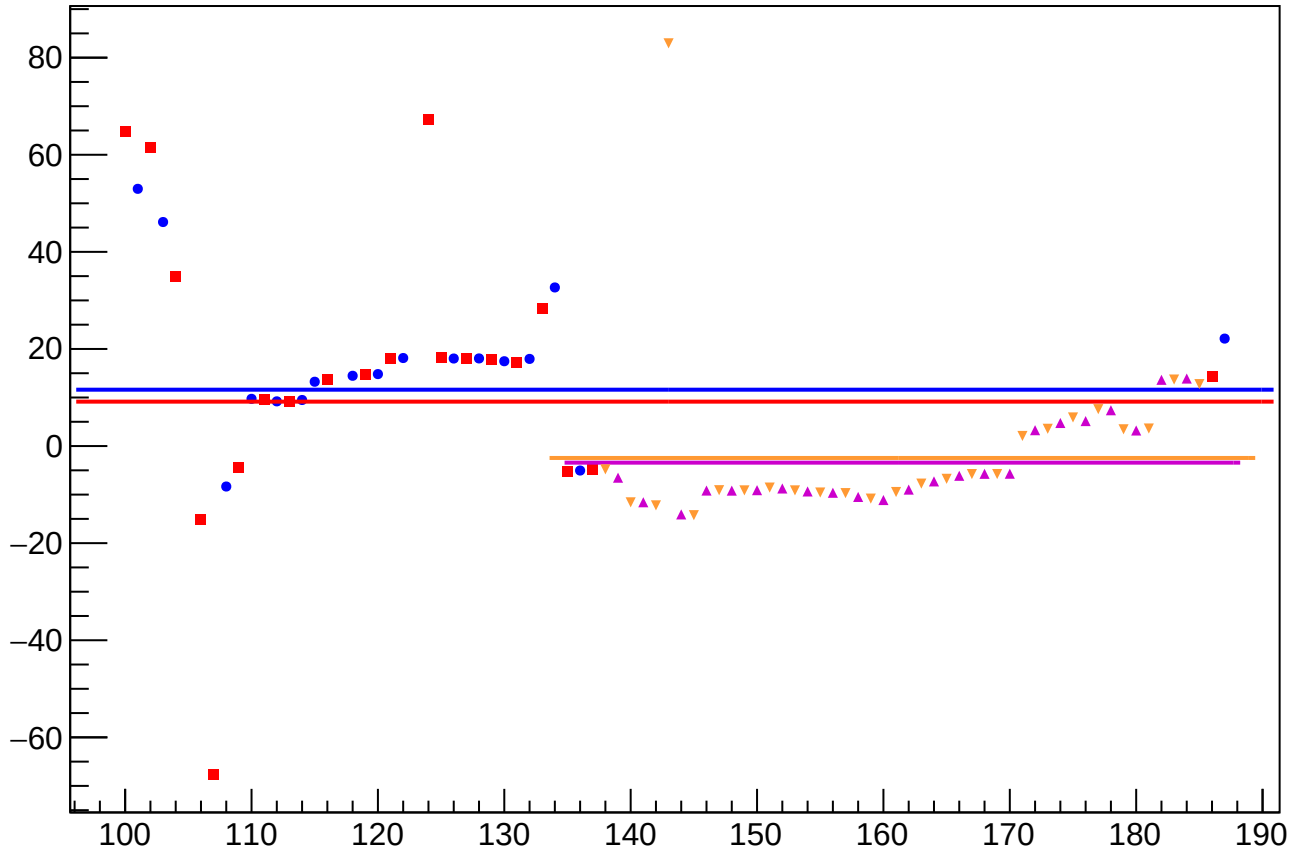
Right Out: -10.450+/-0.488 χ^2/NDF: 701.1/19

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.520+/-0.210 χ^2/NDF: 1990.3/41

All: -1.579+/-0.149 χ^2/NDF: 3876.4/84

\- sign -1.640+/-0.213 χ^2/NDF: 1886.0/42



Right In: 11.611+/-0.029 χ^2/NDF: 353395.2/16

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

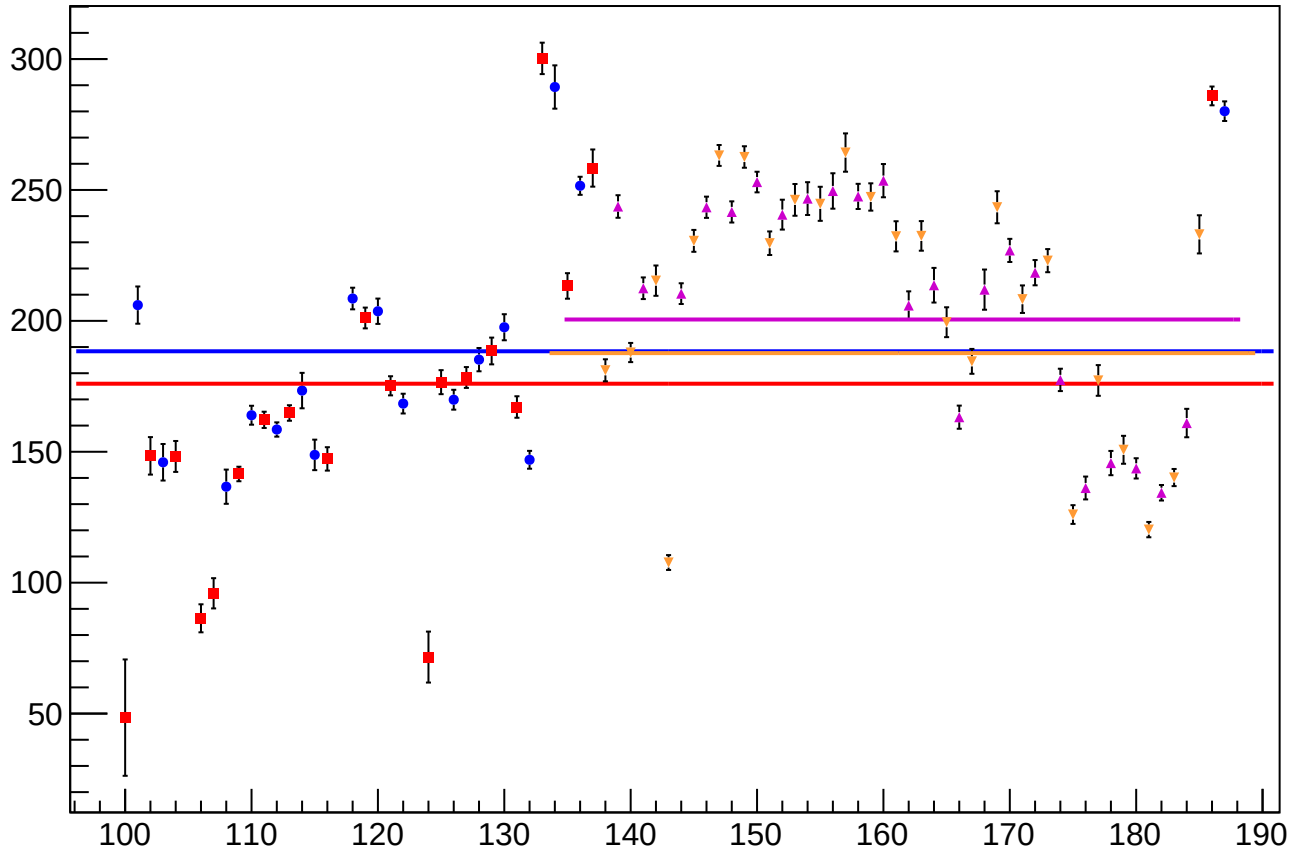
Right Out: 9.149+/-0.030 χ^2/NDF: 438769.4/19

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign -0.906+/-0.010 χ^2/NDF: 1518064.8/41

All: -1.484+/-0.007 χ^2/NDF: 2665786.3/84

- sign -2.073+/-0.010 χ^2/NDF: 1140656.7/42



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

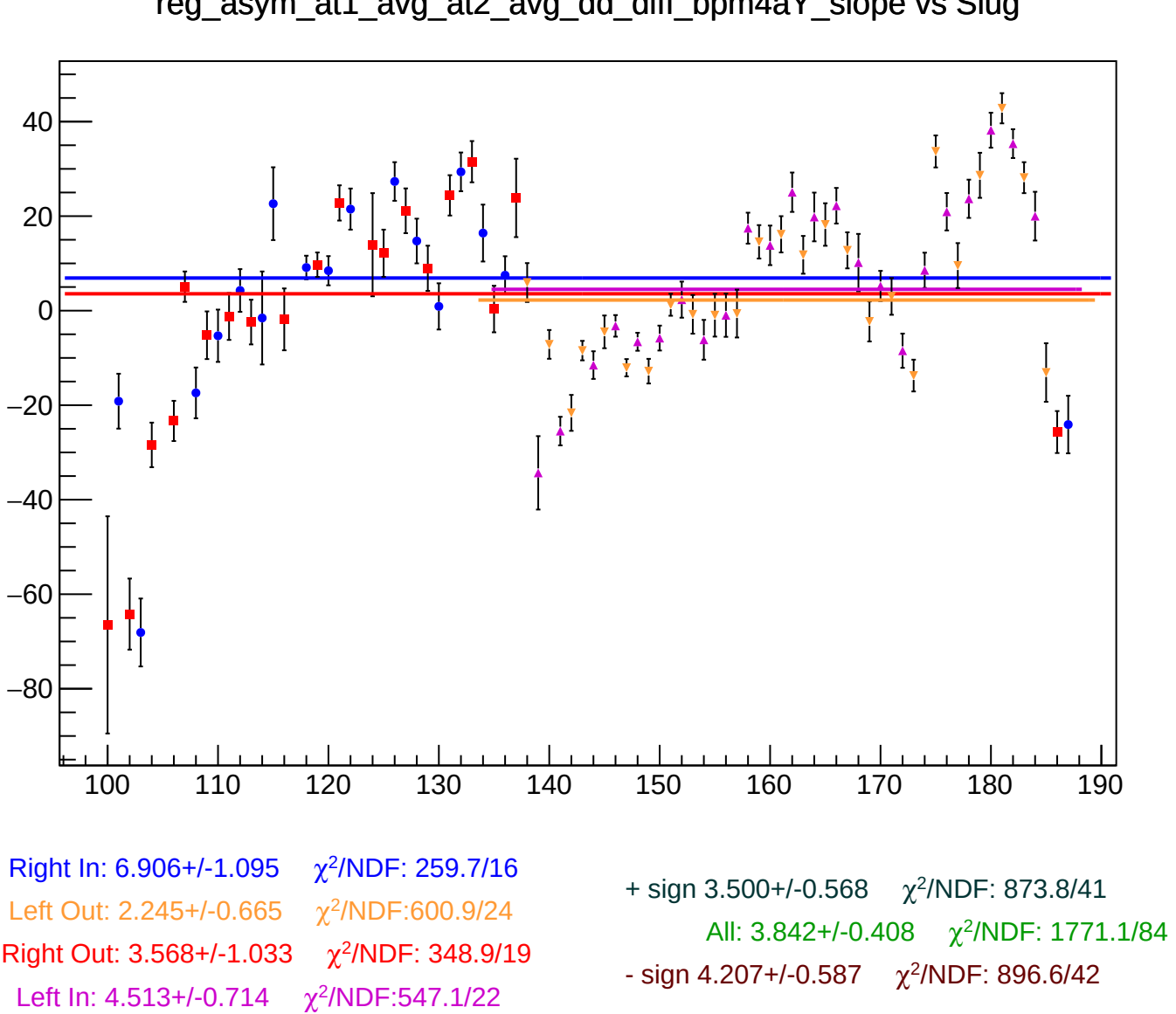
Right Out: 175.993+/-0.982 χ^2/NDF: 2498.3/19

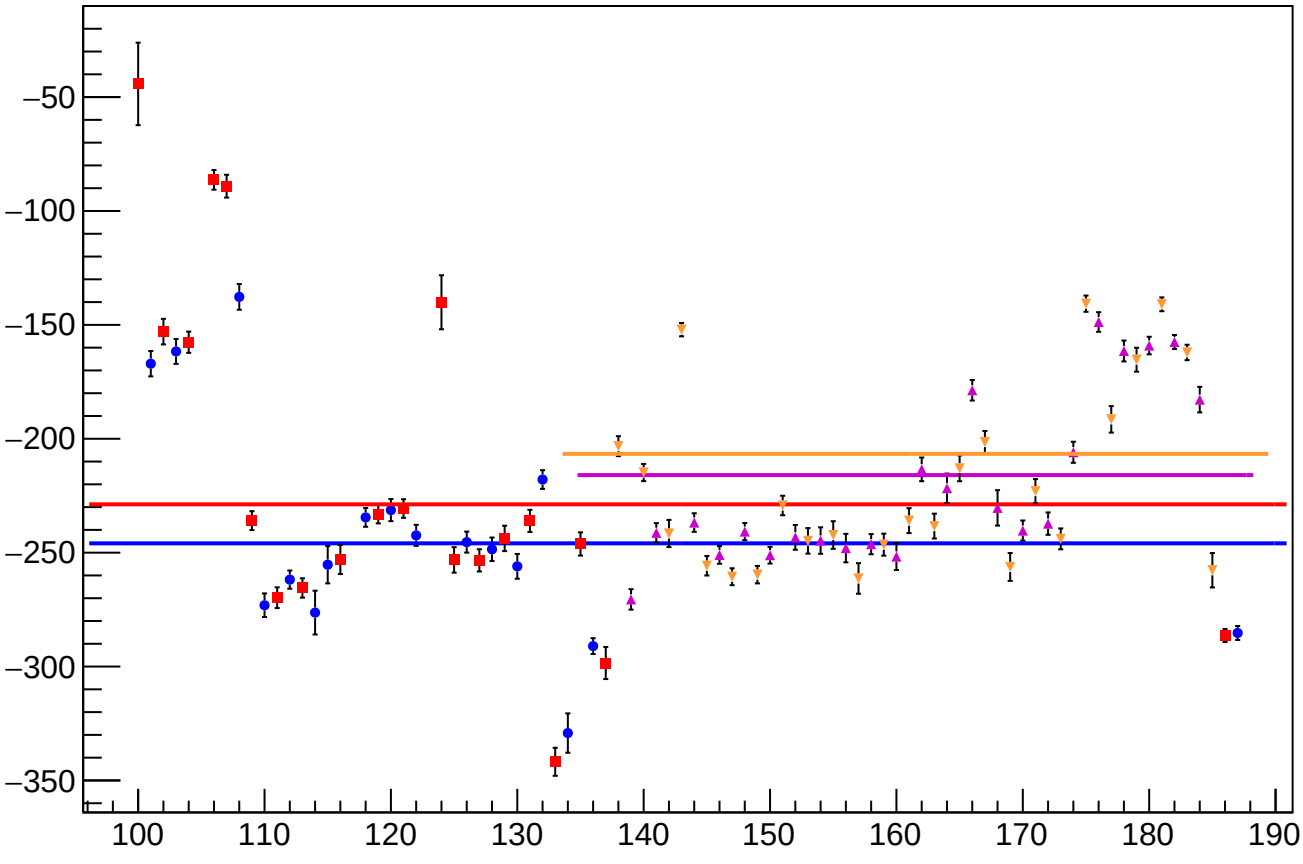
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.979+/-0.681 χ^2/NDF: 5171.2/41

All: 188.287+/-0.483 χ^2/NDF: 10102.0/84

- sign 188.597+/-0.685 χ^2/NDF: 4930.4/42


reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
190
Right In: 6.906+/-1.095 χ²/NDF: 259.7/16
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: 3.568+/-1.033 χ²/NDF: 348.9/19
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
+ sign 3.500+/-0.568 χ²/NDF: 873.8/41
All: 3.842+/-0.408 χ²/NDF: 1771.1/84
- sign 4.207+/-0.587 χ²/NDF: 896.6/42



Right In: -245.907+/-1.155 χ^2/NDF: 1352.3/16

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

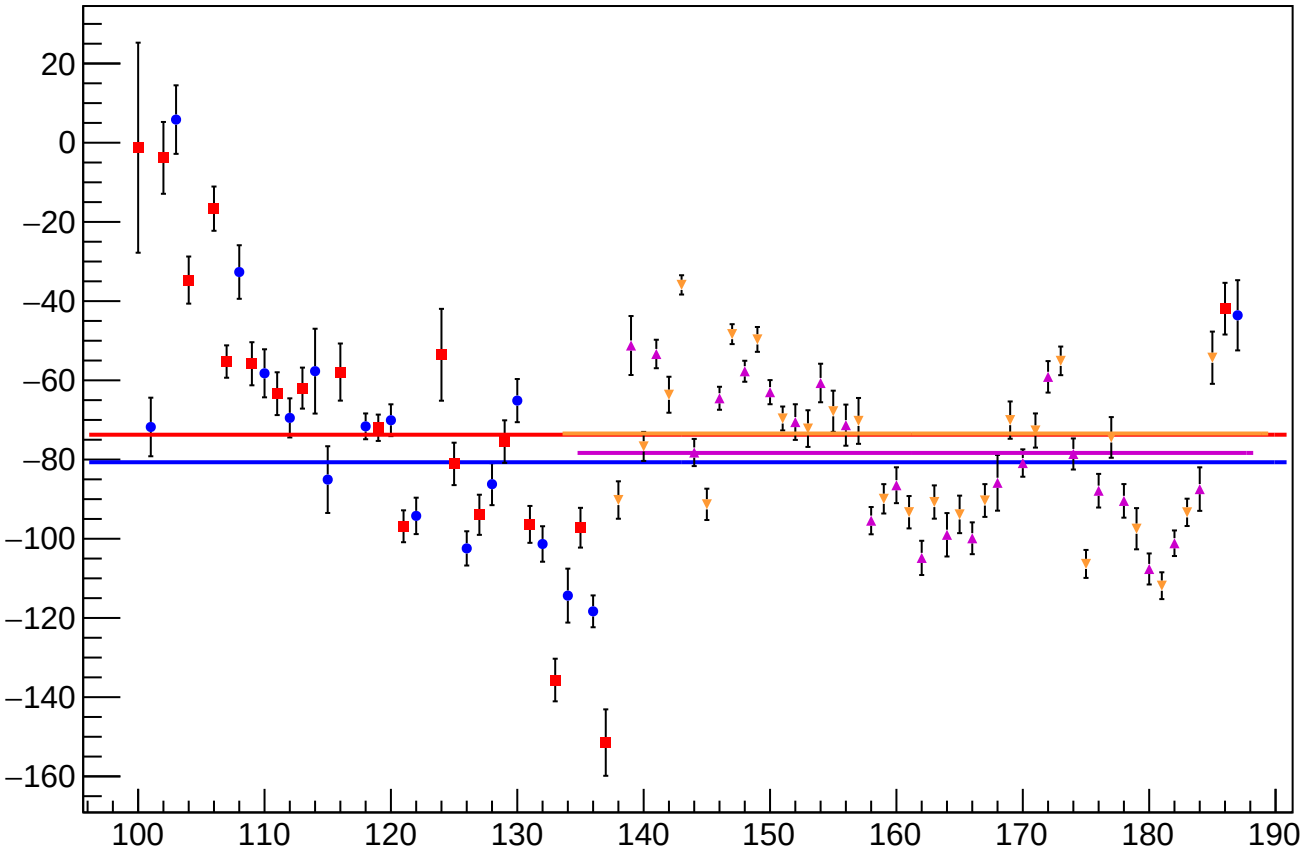
Right Out: -228.792+/-1.088 χ^2/NDF: 3523.0/19

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.359+/-0.707 χ^2/NDF: 4543.7/41

All: -221.416+/-0.502 χ^2/NDF: 9858.1/84

- sign -221.474+/-0.714 χ^2/NDF: 5314.5/42



Right In: -80.680+/-1.273 χ^2/NDF: 384.4/16

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

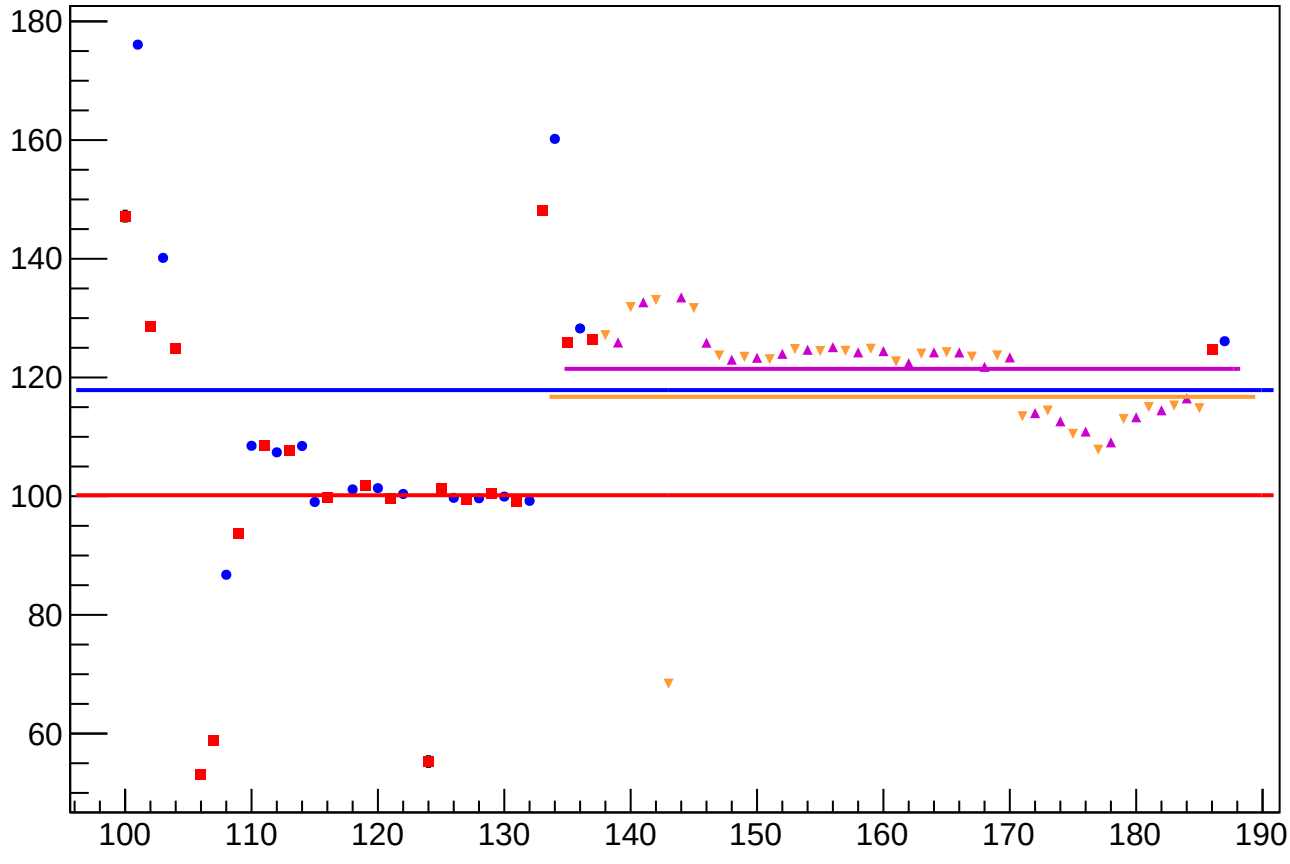
Right Out: -73.731+/-1.209 χ^2/NDF: 601.2/19

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -75.357+/-0.657 χ^2/NDF: 1244.7/41

All: -76.099+/-0.472 χ^2/NDF: 2301.8/84

\- sign -76.887+/-0.677 χ^2/NDF: 1054.4/42



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

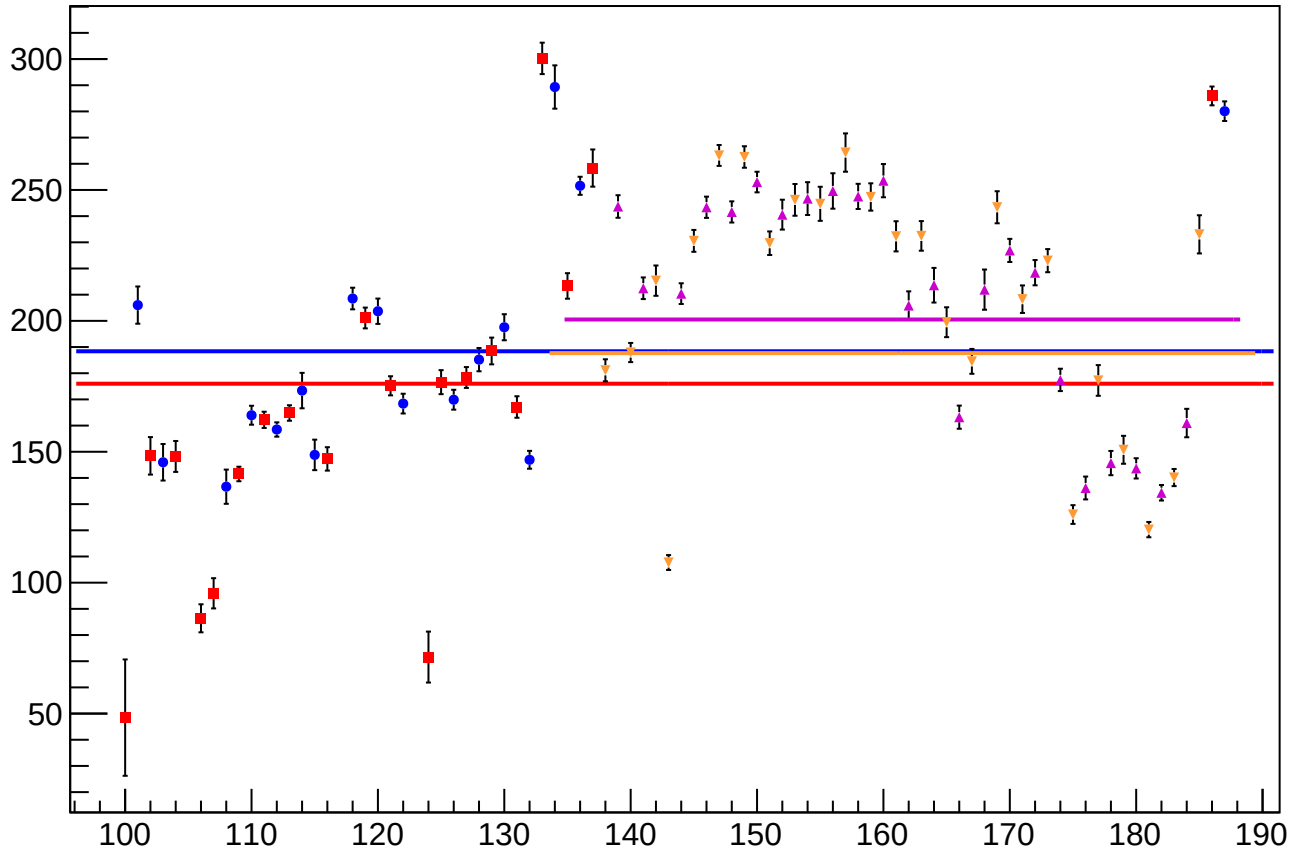
Right Out: 100.158+/-0.070 χ^2/NDF: 169038.4/19

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.941+/-0.032 χ^2/NDF: 299509.8/41

All: 116.822+/-0.023 χ^2/NDF: 570269.6/84

- sign 116.701+/-0.033 χ^2/NDF: 270732.8/42



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

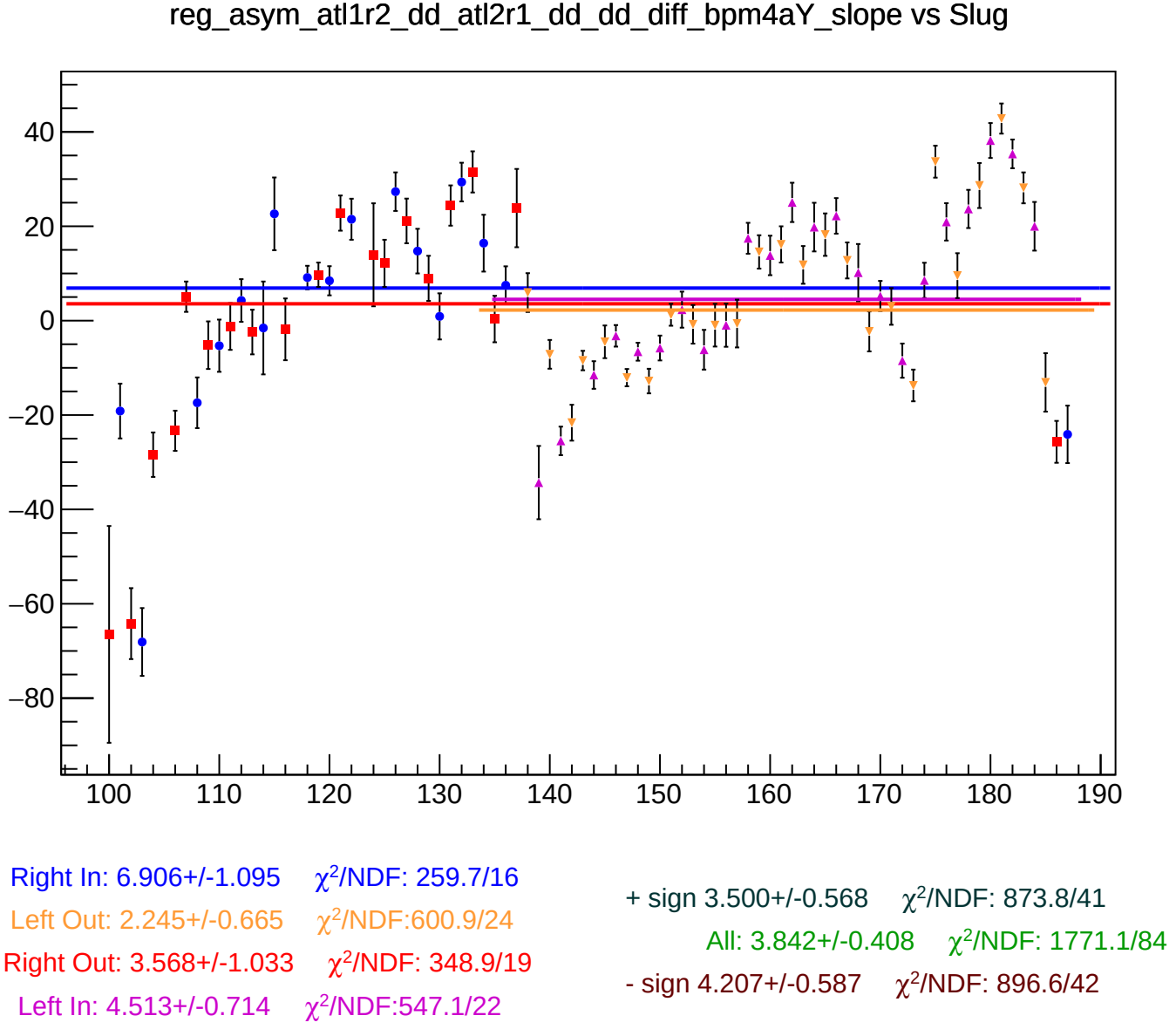
Right Out: 175.993+/-0.982 χ^2/NDF: 2498.3/19

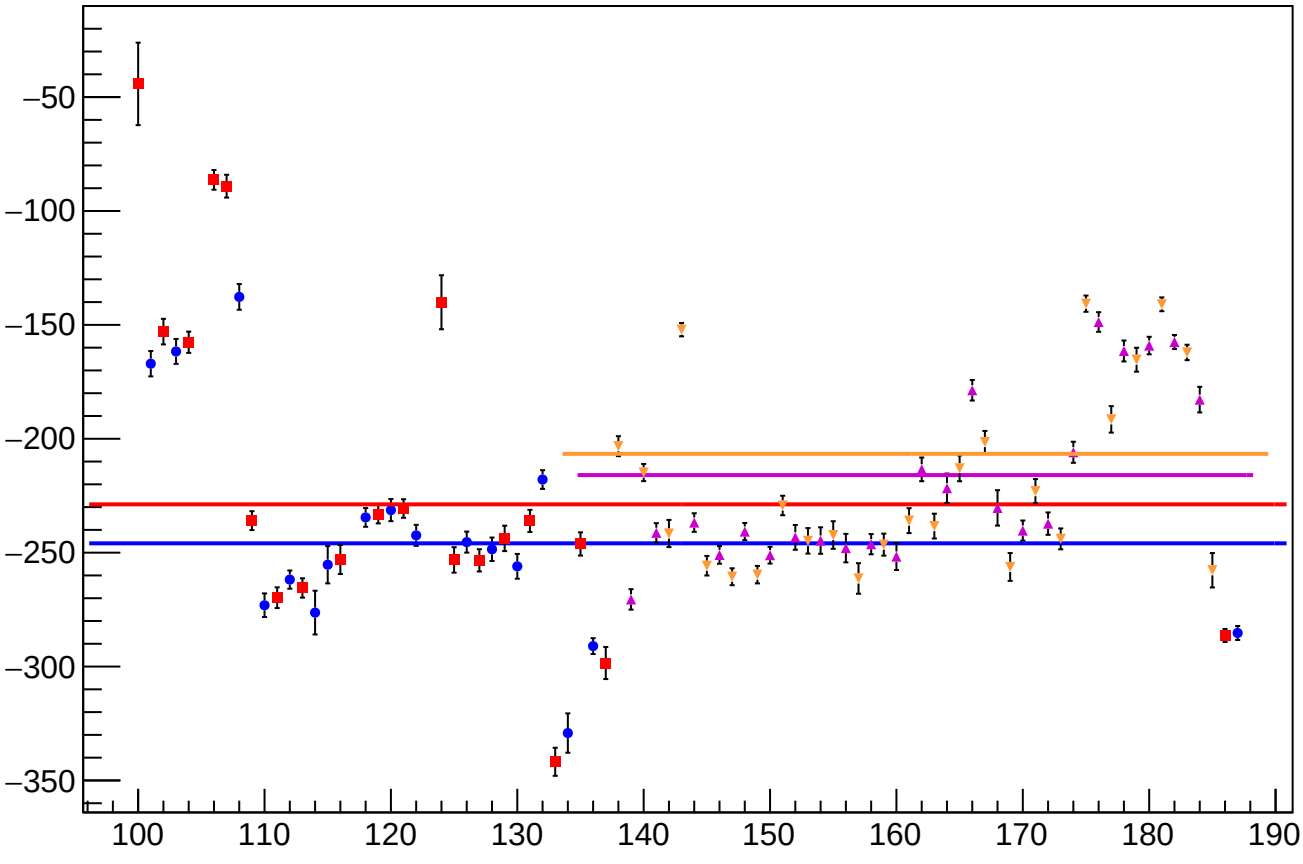
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 187.979+/-0.681 χ^2/NDF: 5171.2/41

All: 188.287+/-0.483 χ^2/NDF: 10102.0/84

- sign 188.597+/-0.685 χ^2/NDF: 4930.4/42


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
190
Right In: 6.906+/-1.095 χ²/NDF: 259.7/16
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: 3.568+/-1.033 χ²/NDF: 348.9/19
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
+ sign 3.500+/-0.568 χ²/NDF: 873.8/41
All: 3.842+/-0.408 χ²/NDF: 1771.1/84
- sign 4.207+/-0.587 χ²/NDF: 896.6/42



Right In: -245.907+/-1.155 χ^2/NDF: 1352.3/16

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

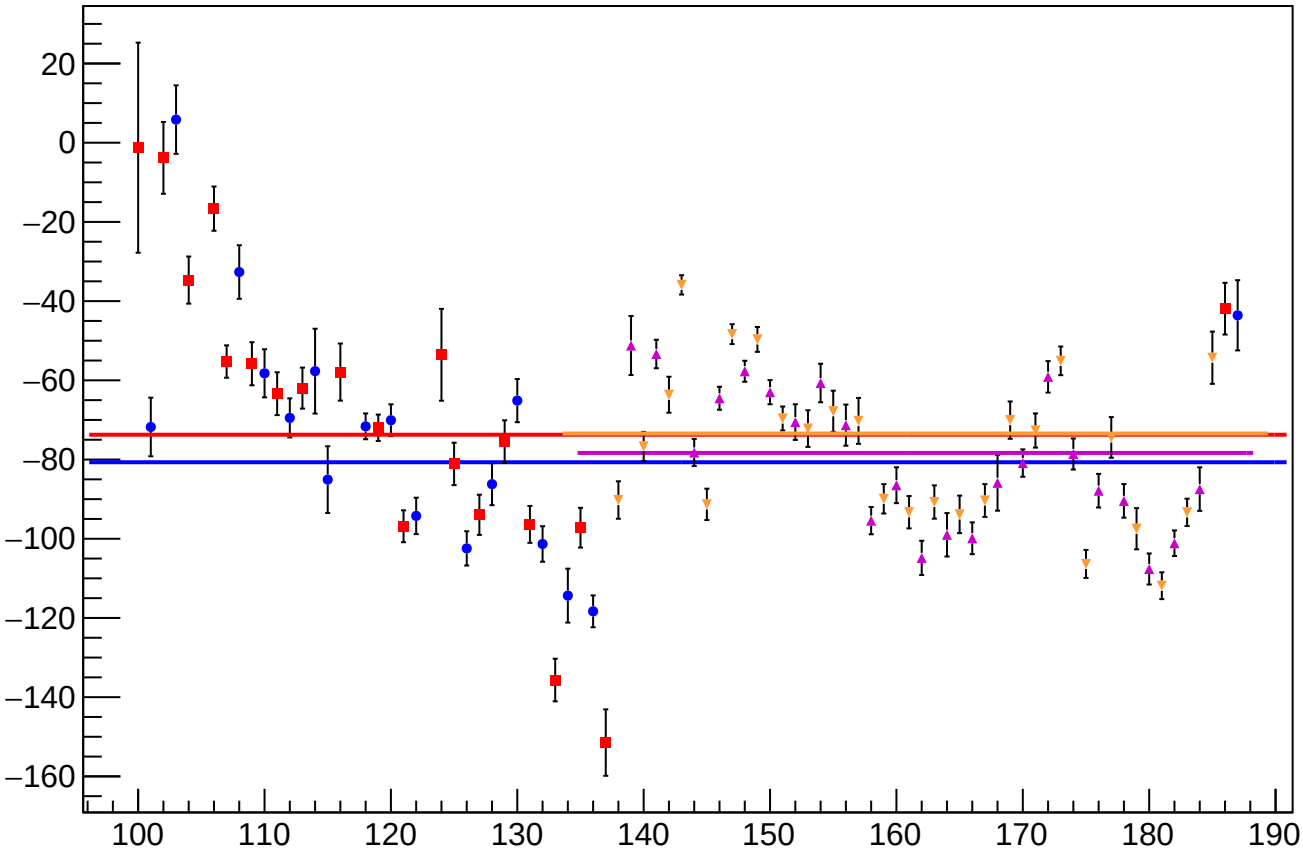
Right Out: -228.792+/-1.088 χ^2/NDF: 3523.0/19

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -221.359+/-0.707 χ^2/NDF: 4543.7/41

All: -221.416+/-0.502 χ^2/NDF: 9858.1/84

- sign -221.474+/-0.714 χ^2/NDF: 5314.5/42



Right In: -80.680+/-1.273 χ^2/NDF: 384.4/16

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

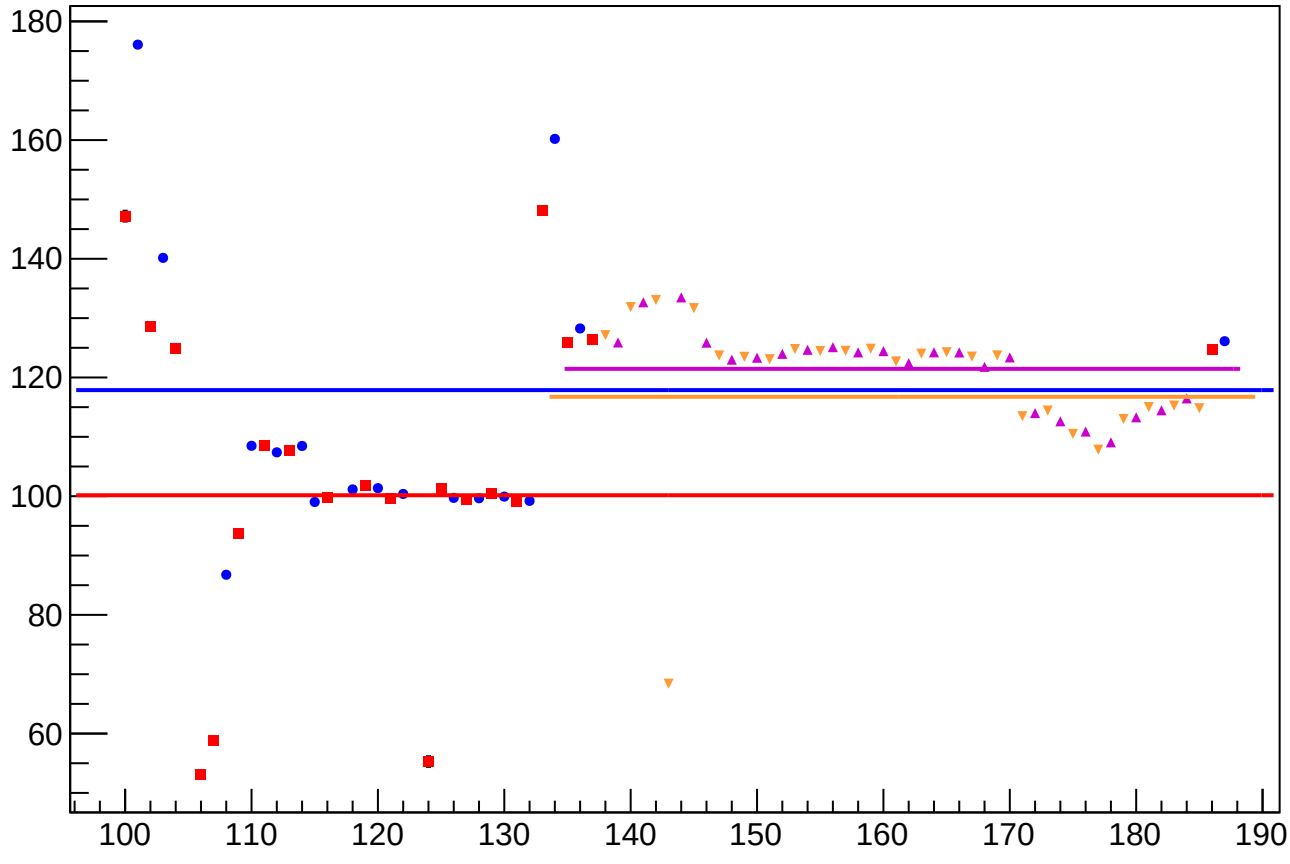
Right Out: -73.731+/-1.209 χ^2/NDF: 601.2/19

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -75.357+/-0.657 χ^2/NDF: 1244.7/41

All: -76.099+/-0.472 χ^2/NDF: 2301.8/84

\- sign -76.887+/-0.677 χ^2/NDF: 1054.4/42



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

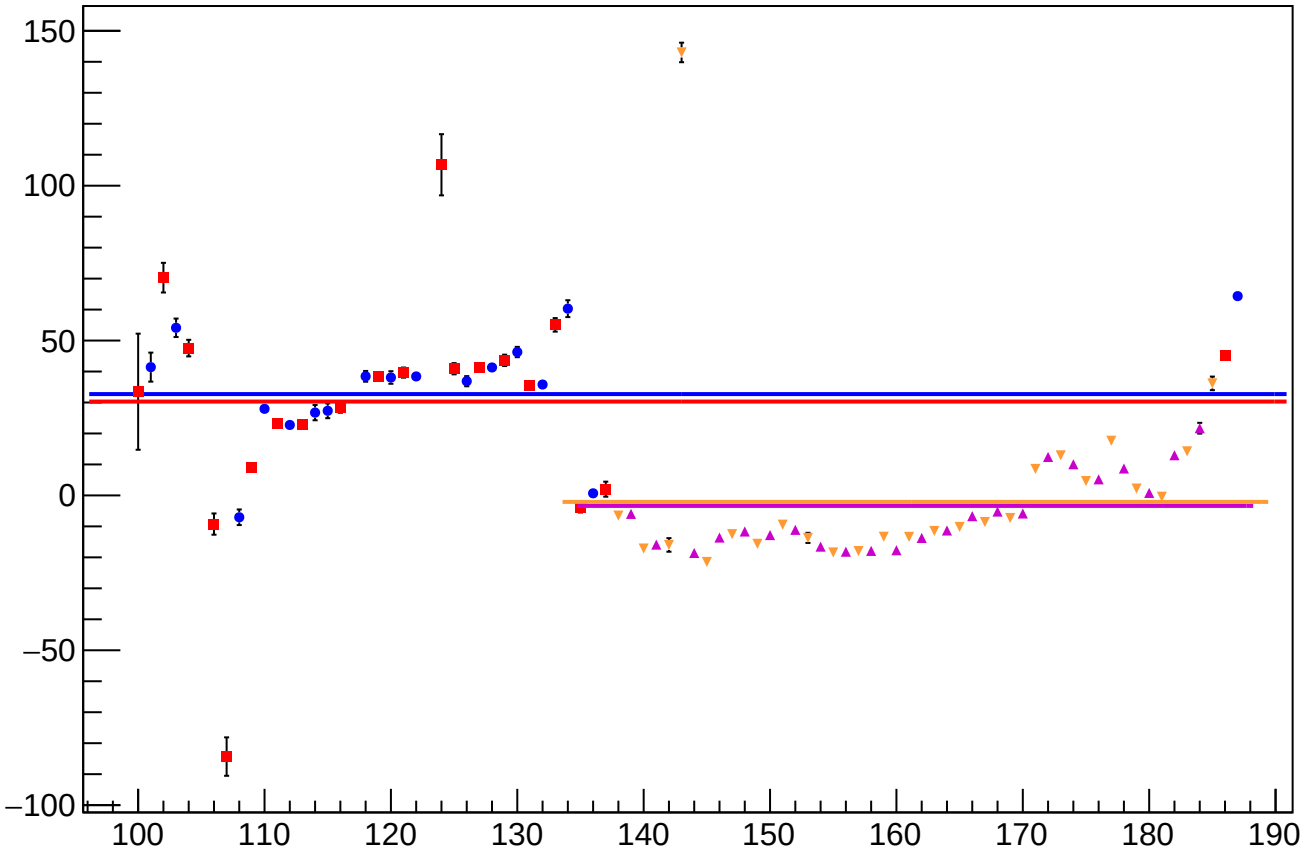
Right Out: 100.158+/-0.070 χ^2/NDF: 169038.4/19

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 116.941+/-0.032 χ^2/NDF: 299509.8/41

All: 116.822+/-0.023 χ^2/NDF: 570269.6/84

- sign 116.701+/-0.033 χ^2/NDF: 270732.8/42



Right In: 32.716+/-0.403 χ^2/NDF: 2023.1/16

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

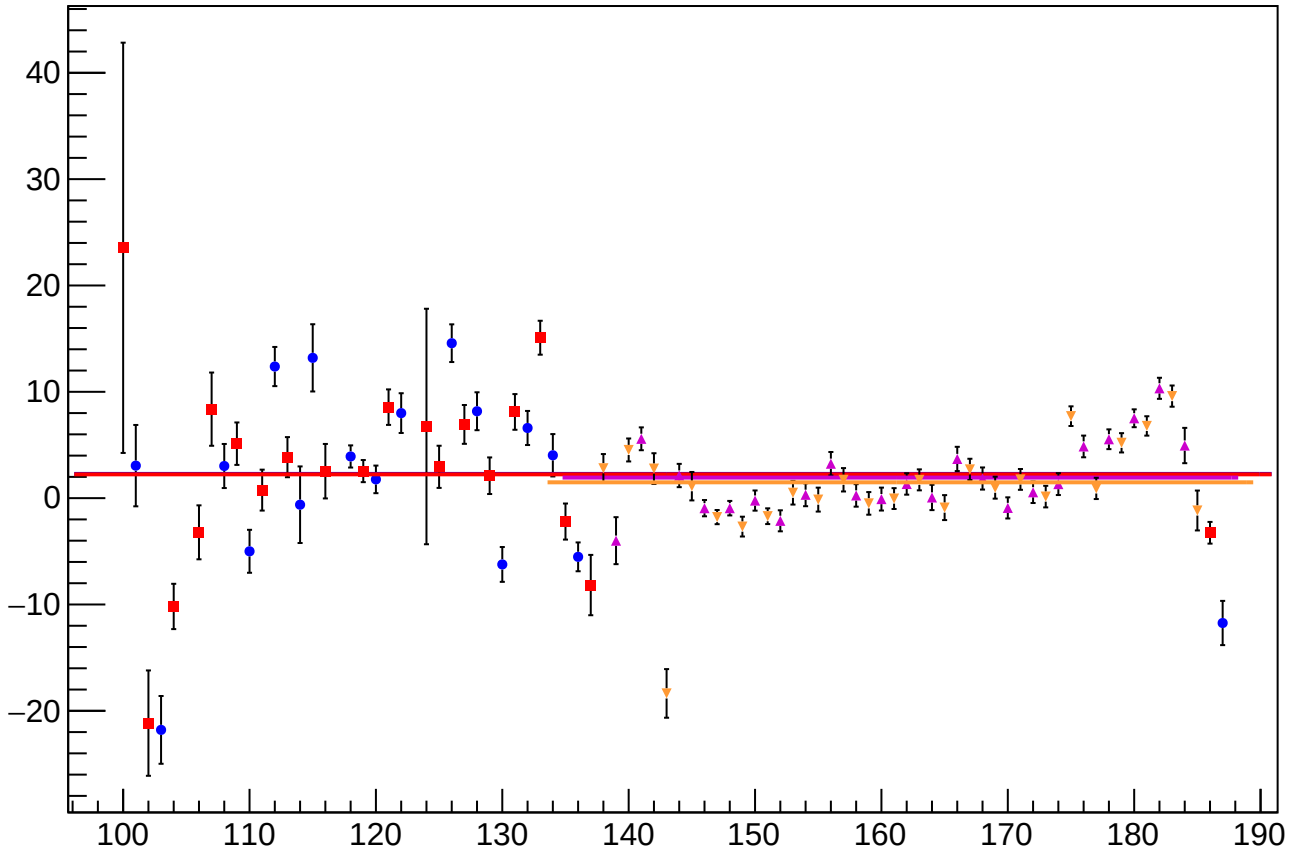
Right Out: 30.300+/-0.370 χ^2/NDF: 2317.9/19

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 8.527+/-0.222 χ^2/NDF: 11417.4/41

All: 8.449+/-0.156 χ^2/NDF: 20873.5/84

- sign 8.373+/-0.219 χ^2/NDF: 9455.9/42



Right In: 2.278+/-0.433 χ^2/NDF: 297.4/16

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

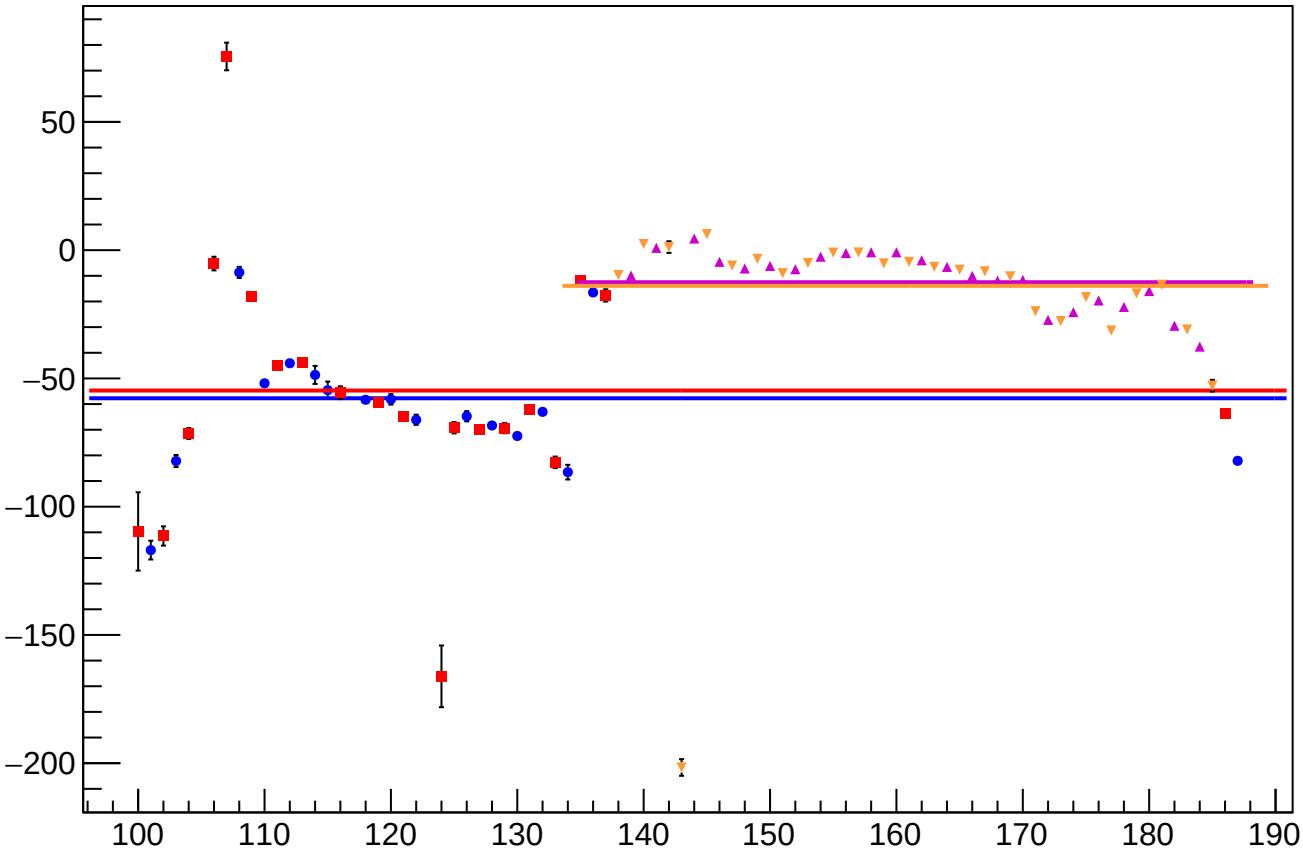
Right Out: 2.240+/-0.414 χ^2/NDF: 216.5/19

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.633+/-0.185 χ^2/NDF: 628.7/41

All: 1.812+/-0.132 χ^2/NDF: 1088.2/84

- sign 1.996+/-0.188 χ^2/NDF: 457.6/42



Right In: -57.734+/-0.442 χ^2/NDF: 2986.4/16

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

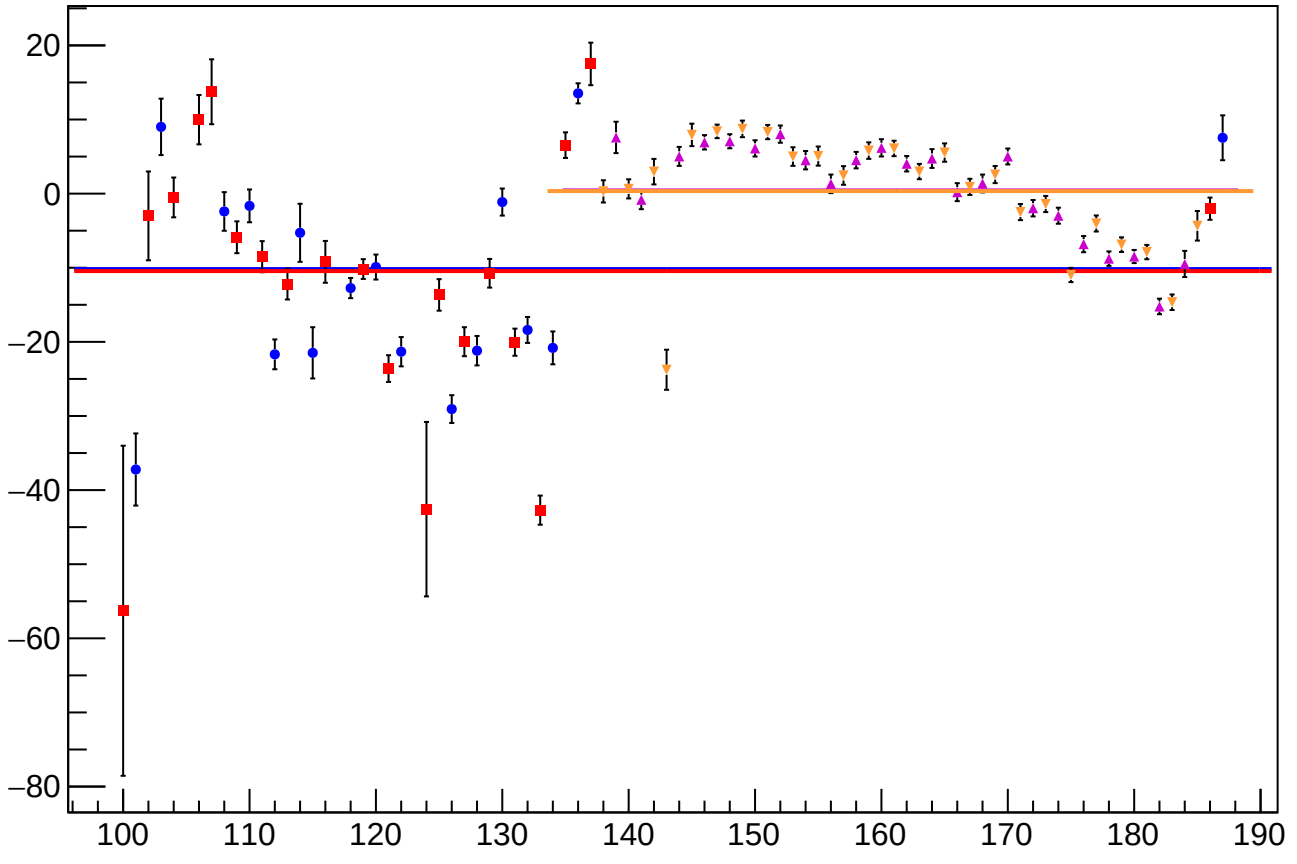
Right Out: -54.722+/-0.396 χ^2/NDF: 3294.6/19

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -25.464+/-0.227 χ^2/NDF: 15342.5/41

All: -25.640+/-0.159 χ^2/NDF: 27856.6/84

- sign -25.810+/-0.222 χ^2/NDF: 12513.0/42



Right In: -10.181+/-0.499 χ^2/NDF: 701.6/16

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

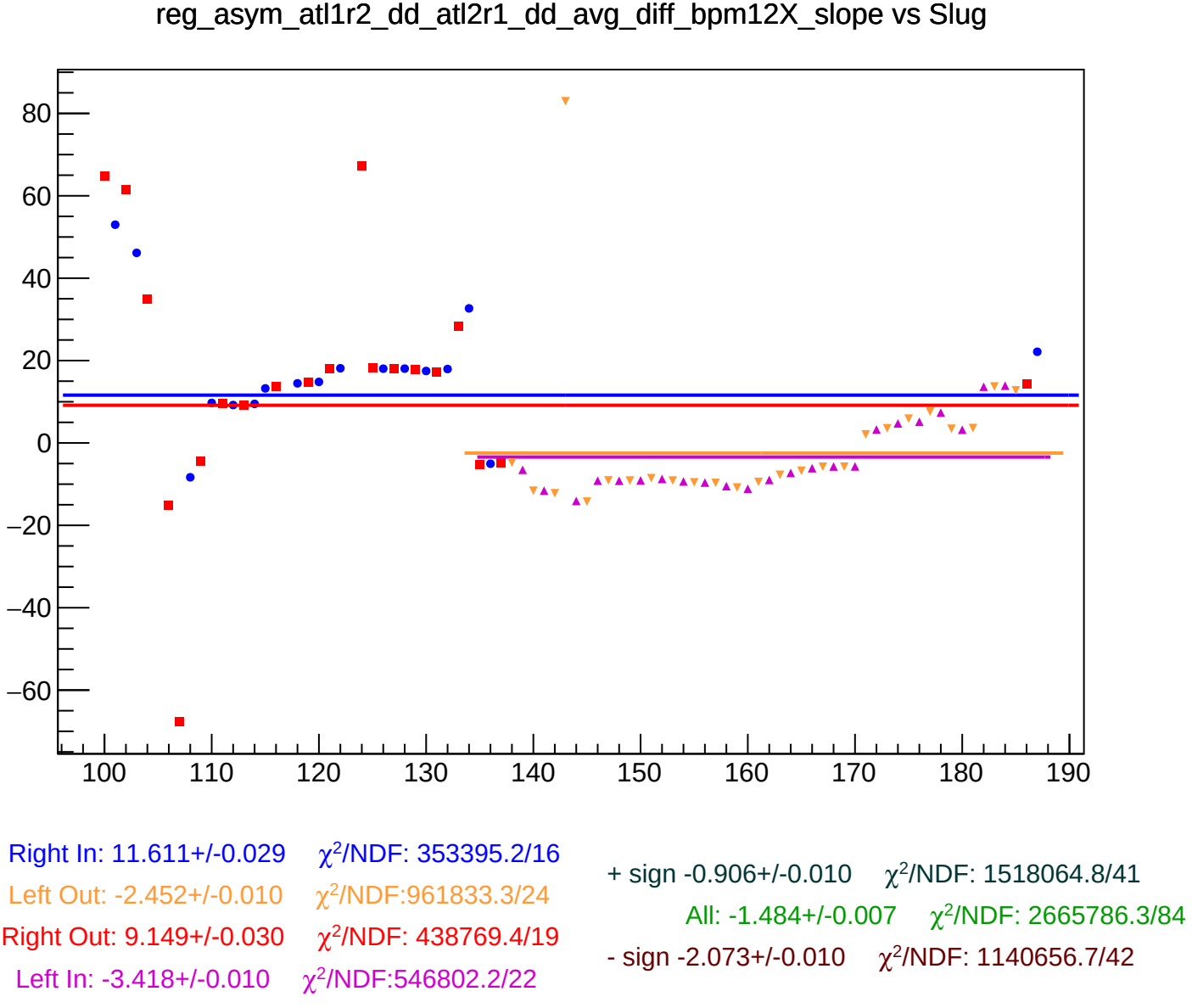
Right Out: -10.450+/-0.488 χ^2/NDF: 701.1/19

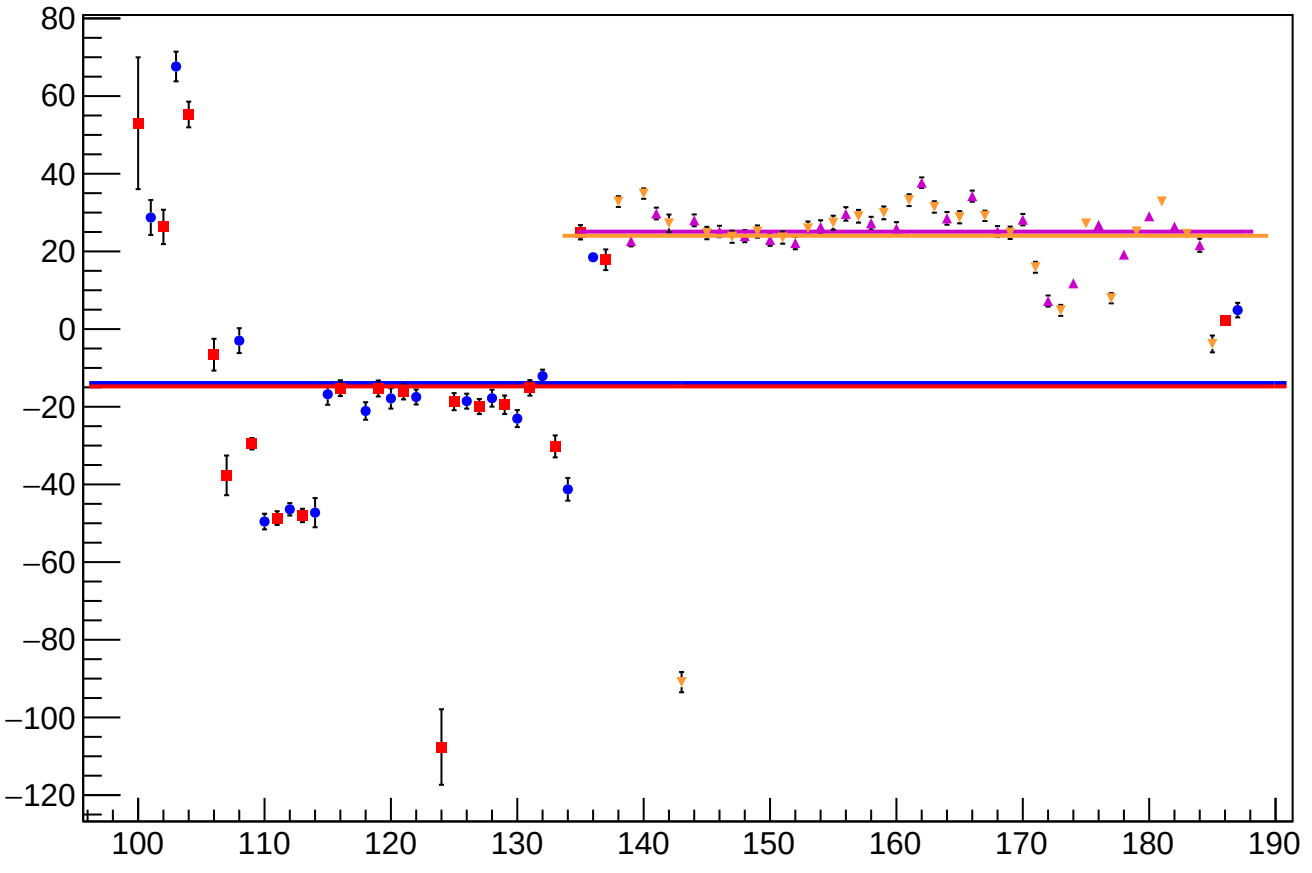
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.520+/-0.210 χ^2/NDF: 1990.3/41

All: -1.579+/-0.149 χ^2/NDF: 3876.4/84

\- sign -1.640+/-0.213 χ^2/NDF: 1886.0/42


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 11.611+/-0.029 χ²/NDF: 353395.2/16
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 9.149+/-0.030 χ²/NDF: 438769.4/19
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign -0.906+/-0.010 χ²/NDF: 1518064.8/41
All: -1.484+/-0.007 χ²/NDF: 2665786.3/84
- sign -2.073+/-0.010 χ²/NDF: 1140656.7/42



Right In: -13.890+/-0.518 χ^2/NDF: 2232.5/16

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

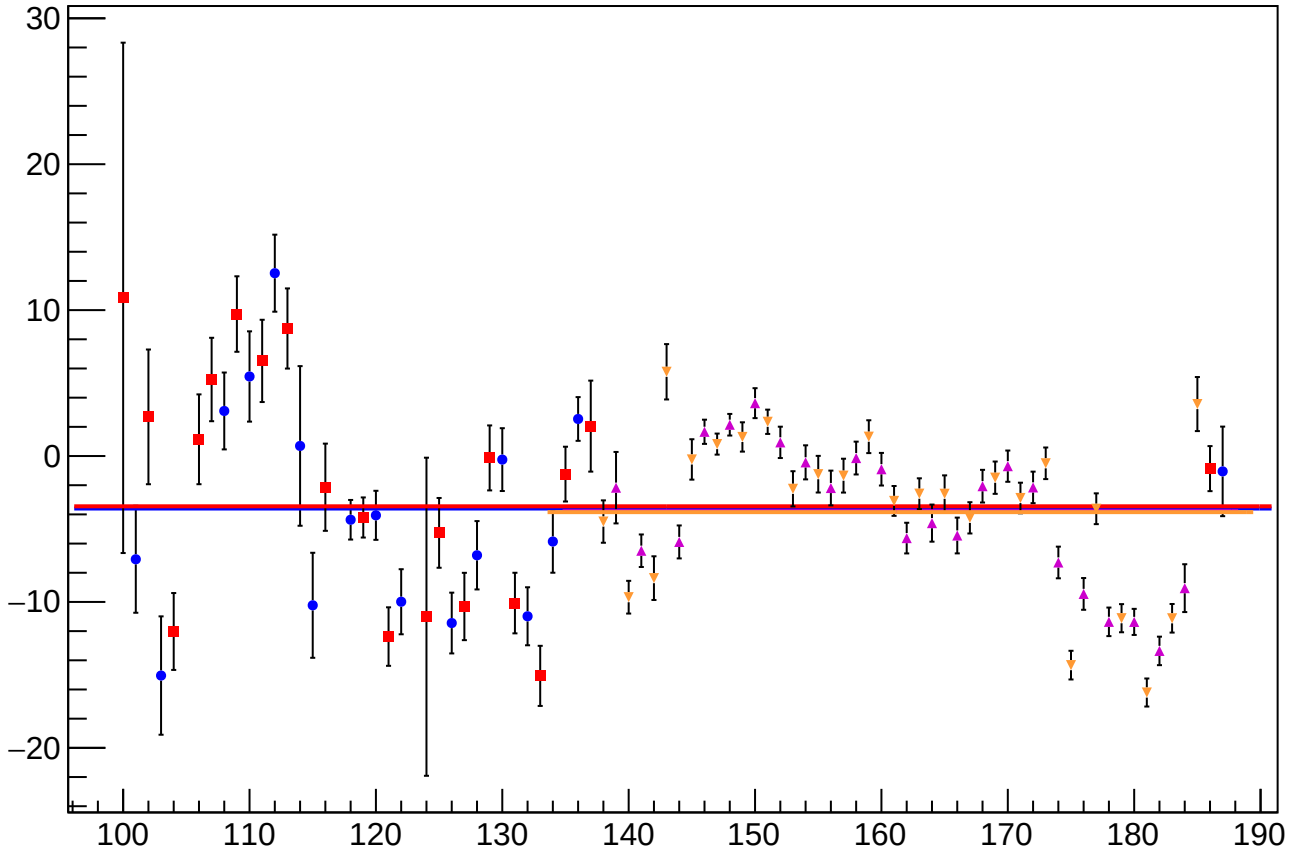
Right Out: -14.757+/-0.487 χ^2/NDF: 2345.9/19

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.359+/-0.248 χ^2/NDF: 9165.9/41

All: 15.083+/-0.175 χ^2/NDF: 16975.8/84

- sign 14.808+/-0.247 χ^2/NDF: 7807.4/42



Right In: -3.597+/-0.543 χ^2/NDF: 124.7/16

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -3.446+/-0.530 χ^2/NDF: 164.4/19

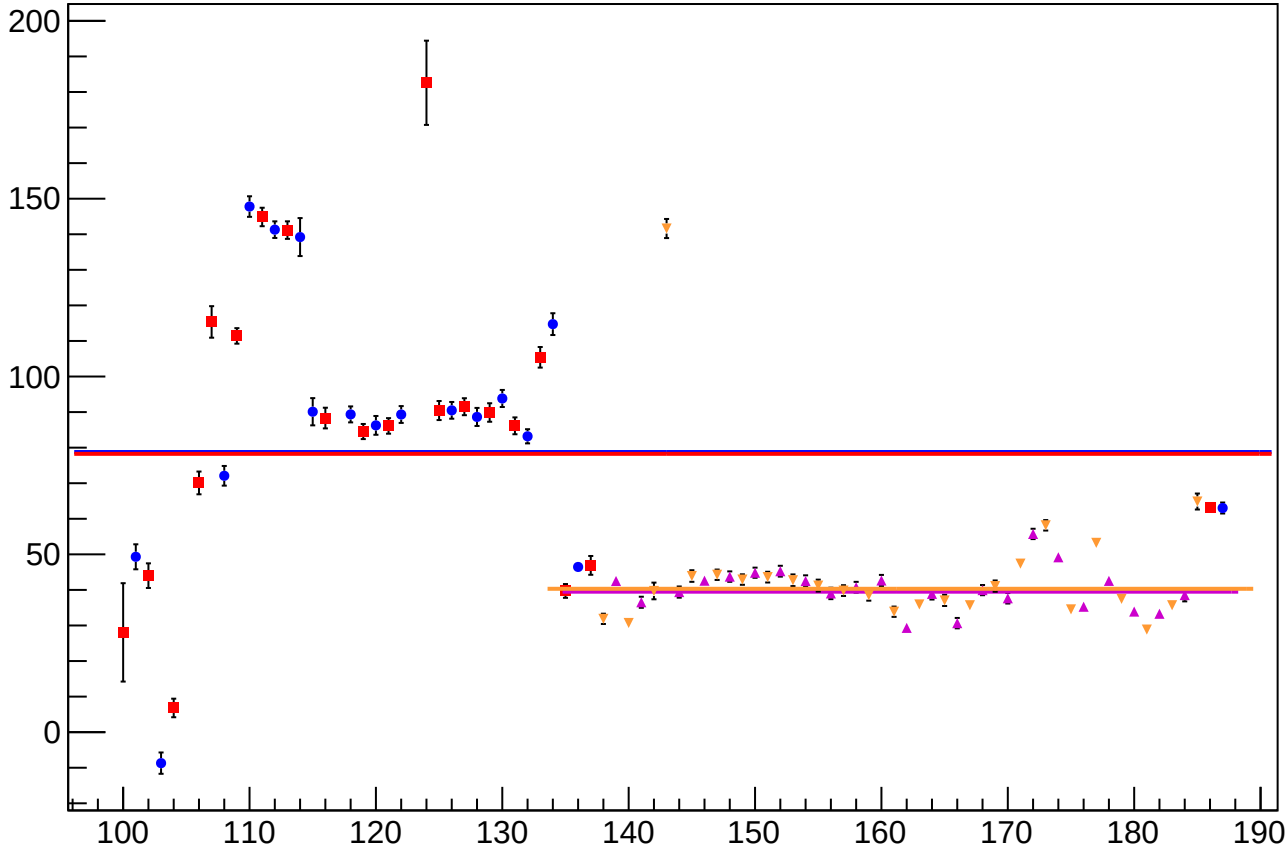
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.811+/-0.202 χ^2/NDF: 774.2/41

All: -3.771+/-0.144 χ^2/NDF: 1448.9/84

- sign -3.729+/-0.206 χ^2/NDF: 674.6/42

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug



Right In: 78.766+/-0.565 χ^2/NDF: 3350.7/16

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

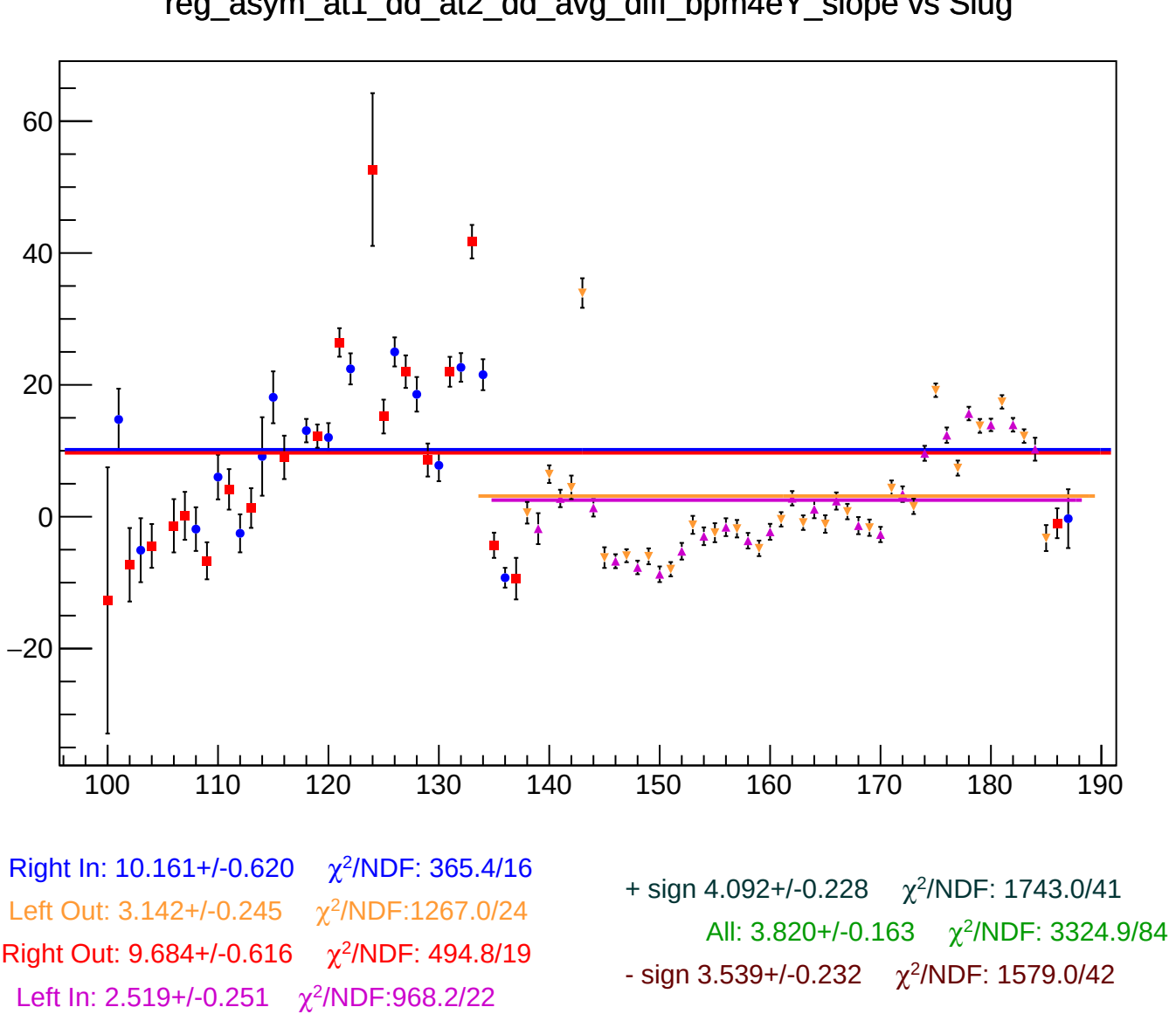
Right Out: 78.264+/-0.524 χ^2/NDF: 3525.5/19

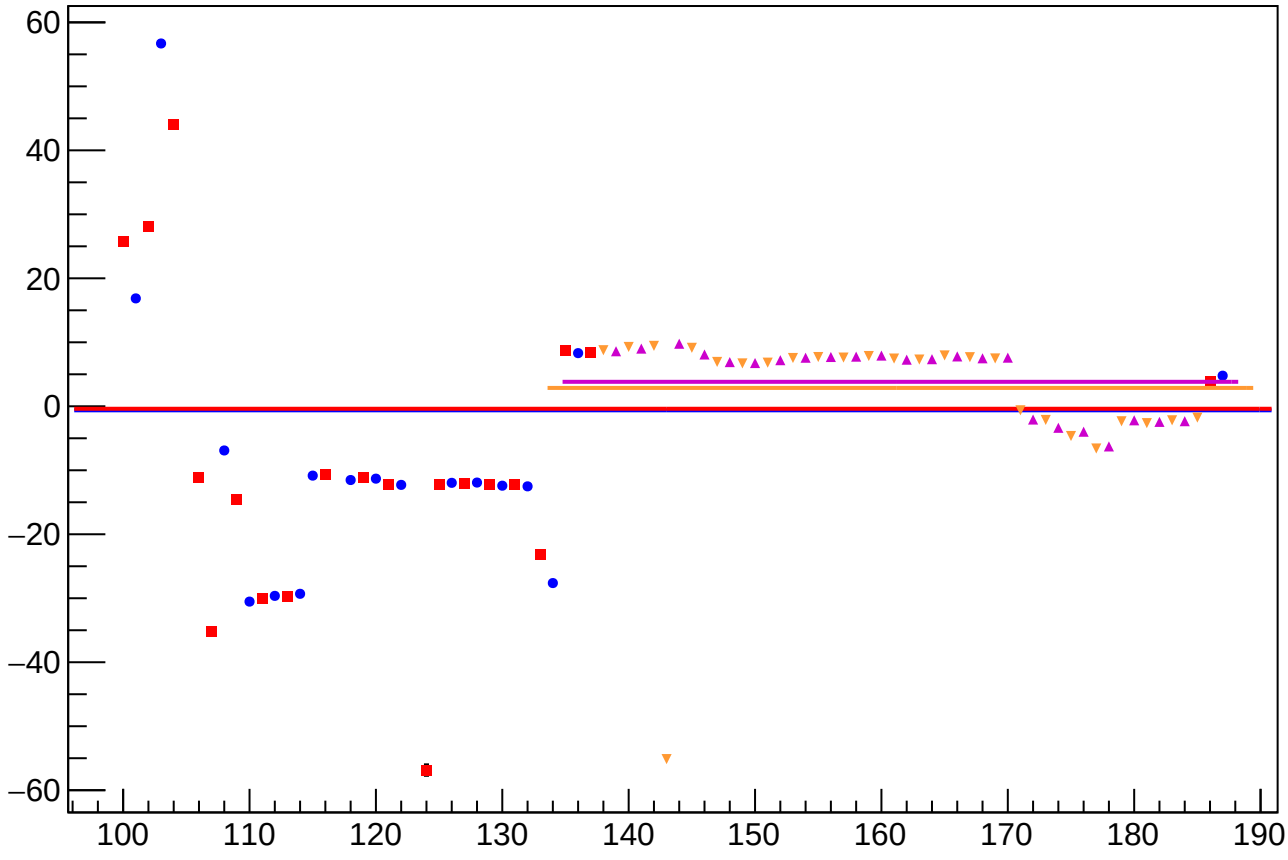
Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 47.906+/-0.251 χ^2/NDF: 9252.2/41

All: 48.126+/-0.177 χ^2/NDF: 17438.7/84

\- sign 48.345+/-0.250 χ^2/NDF: 8185.0/42


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 10.161+/-0.620 χ²/NDF: 365.4/16
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 9.684+/-0.616 χ²/NDF: 494.8/19
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
+ sign 4.092+/-0.228 χ²/NDF: 1743.0/41
All: 3.820+/-0.163 χ²/NDF: 3324.9/84
- sign 3.539+/-0.232 χ²/NDF: 1579.0/42



Right In: -0.629+/-0.036 χ^2/NDF: 368491.5/16

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: -0.386+/-0.036 χ^2/NDF: 317232.9/19

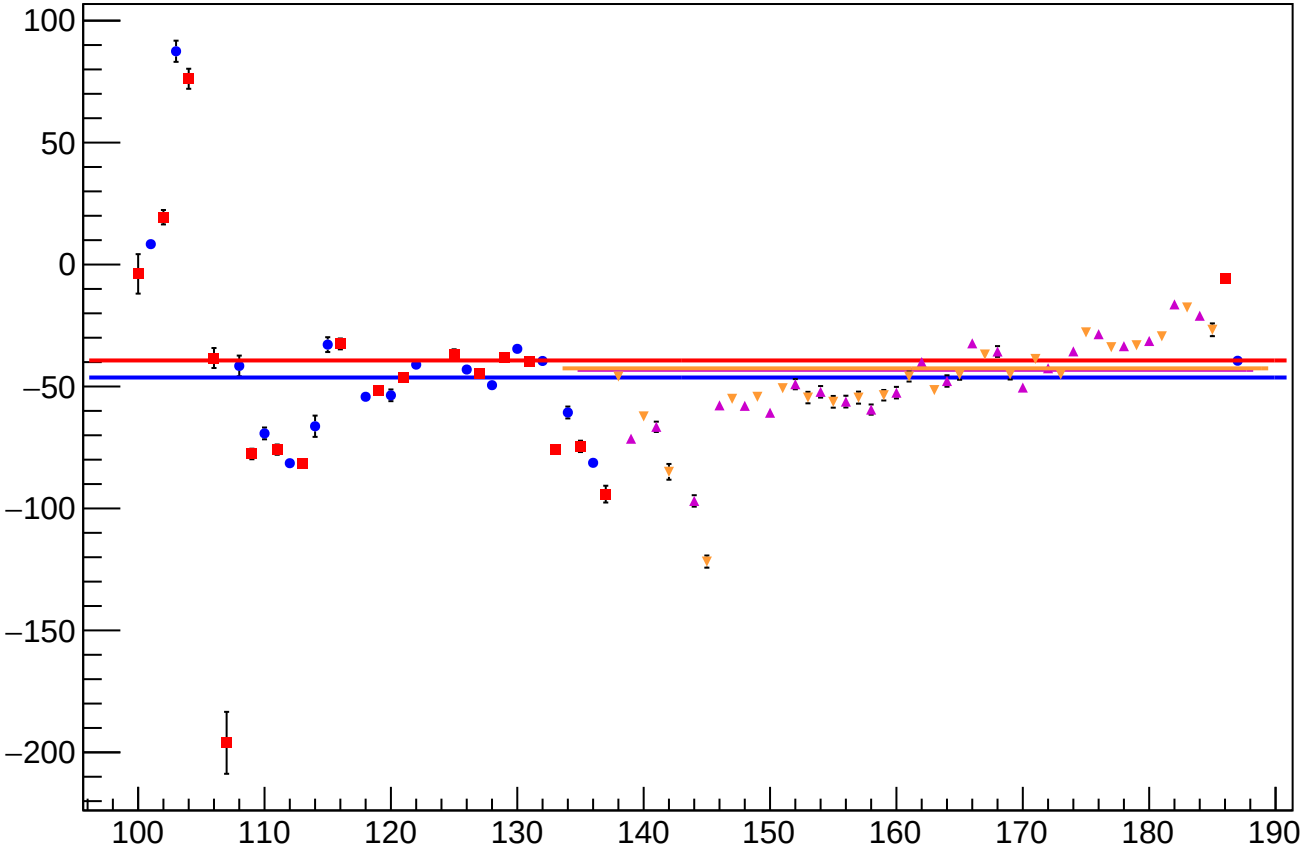
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.564+/-0.010 χ^2/NDF: 889688.2/41

All: 3.010+/-0.007 χ^2/NDF: 1456071.6/84

- sign 3.466+/-0.011 χ^2/NDF: 562737.0/42

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -46.314+/-0.497 χ^2/NDF: 2799.2/16

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -39.322+/-0.467 χ^2/NDF: 4734.0/18

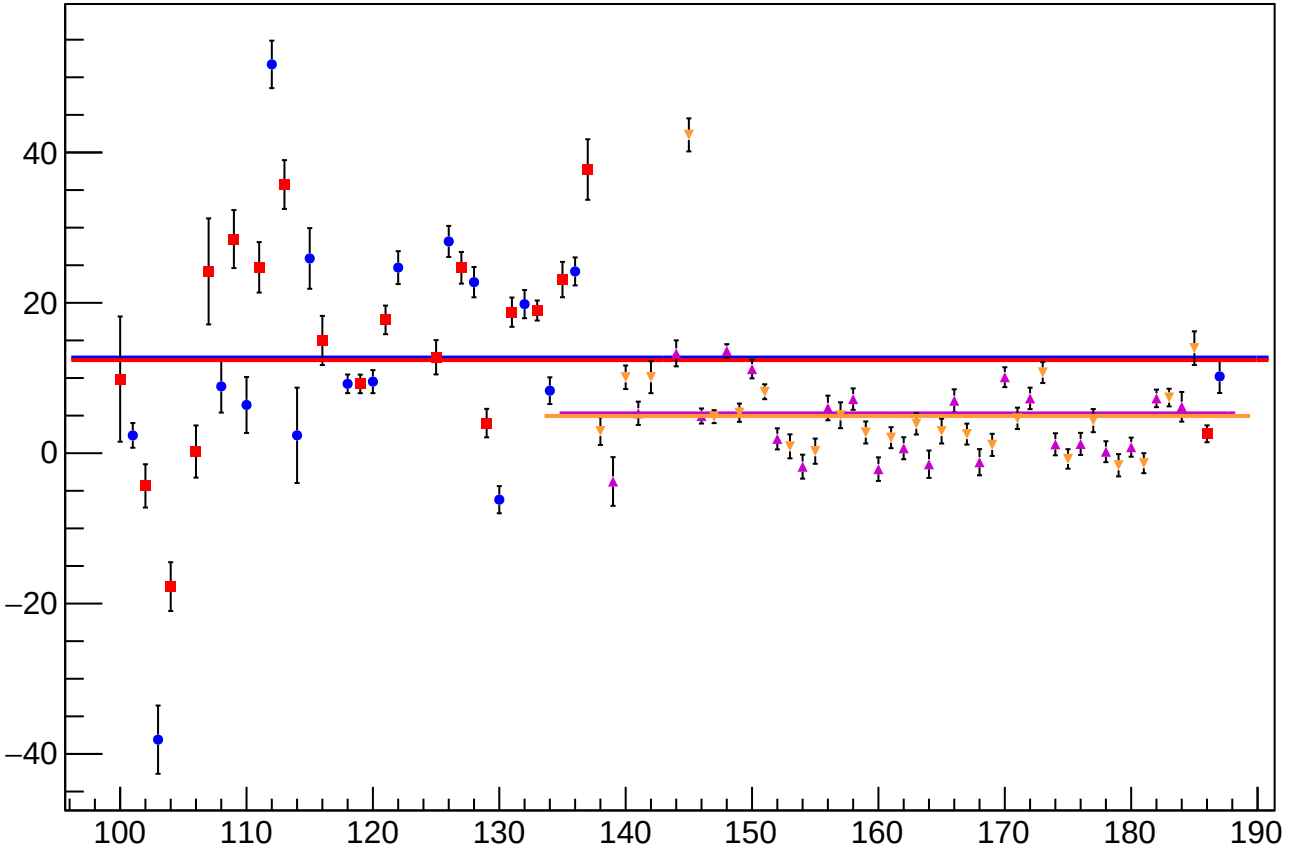
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -43.936+/-0.301 χ^2/NDF: 5161.7/40

All: -42.756+/-0.211 χ^2/NDF: 12172.7/82

- sign -41.620+/-0.296 χ^2/NDF: 6980.9/41

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 12.720+/-0.505 χ^2/NDF: 626.9/16

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 12.383+/-0.490 χ^2/NDF: 458.5/18

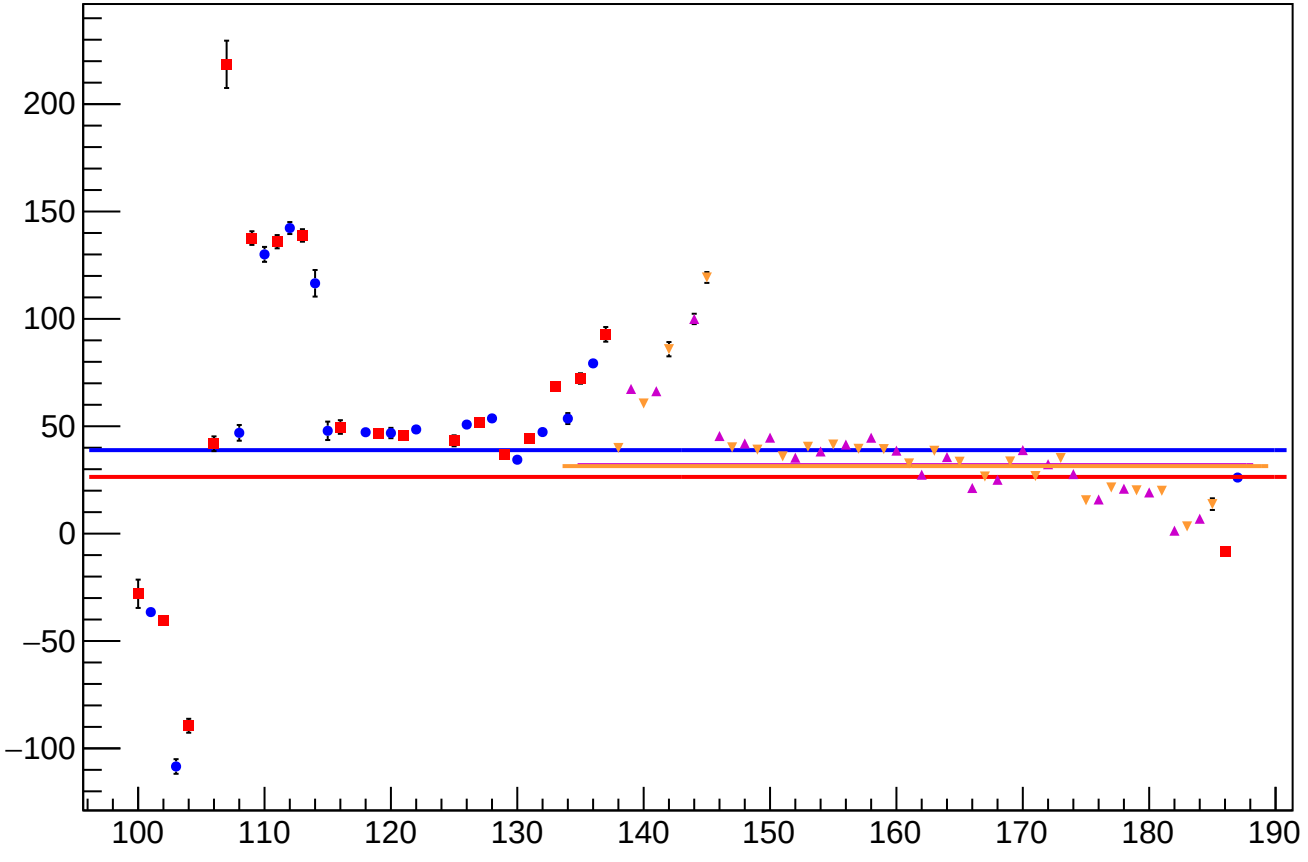
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.866+/-0.250 χ^2/NDF: 1254.3/40

All: 7.019+/-0.178 χ^2/NDF: 2154.0/82

- sign 7.173+/-0.252 χ^2/NDF: 898.9/41

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 38.878+/-0.517 χ^2/NDF: 7339.0/16

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 26.406+/-0.469 χ^2/NDF: 10507.4/18

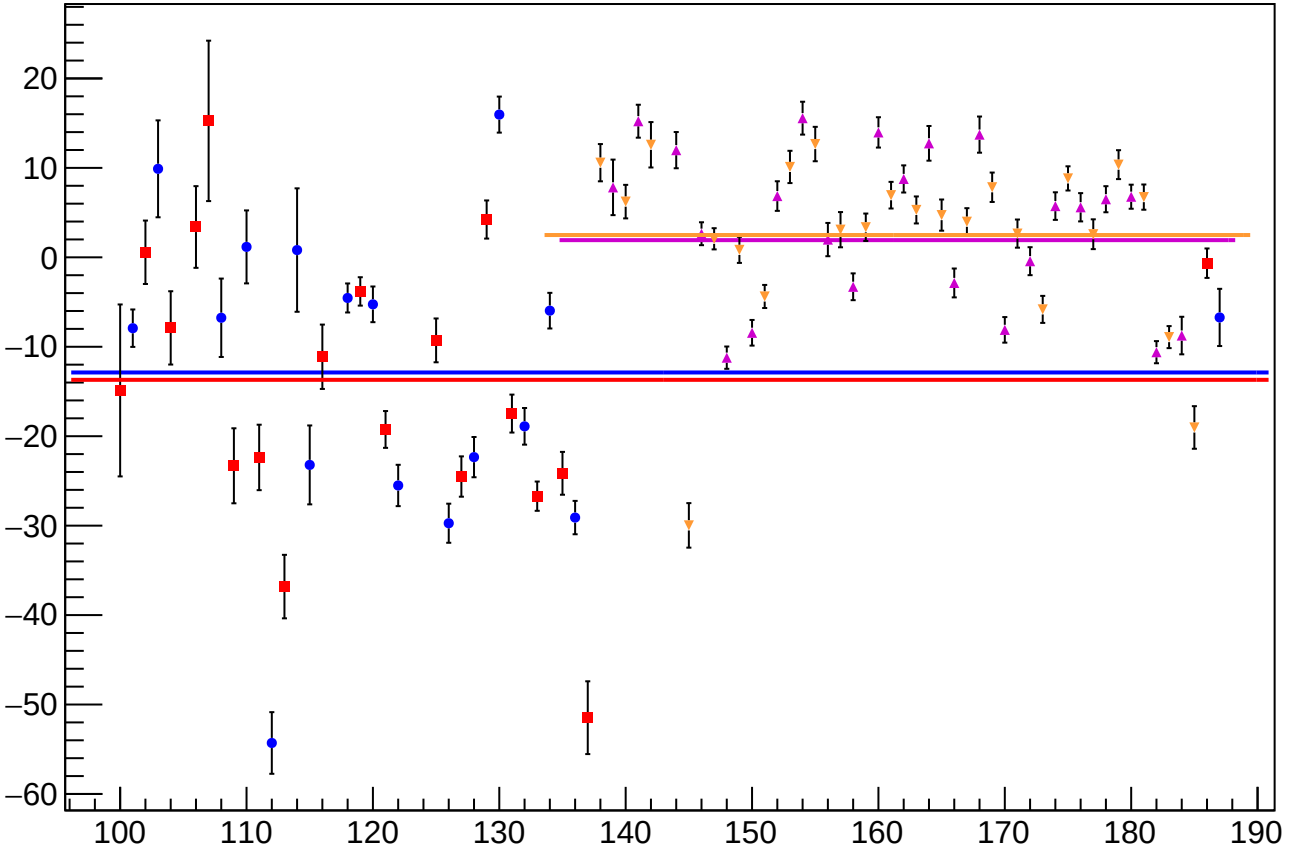
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 34.010+/-0.304 χ^2/NDF: 10236.7/40

All: 31.804+/-0.211 χ^2/NDF: 23696.7/82

\- sign 29.732+/-0.294 χ^2/NDF: 13357.7/41

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.874+/-0.589 χ^2/NDF: 643.7/16

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

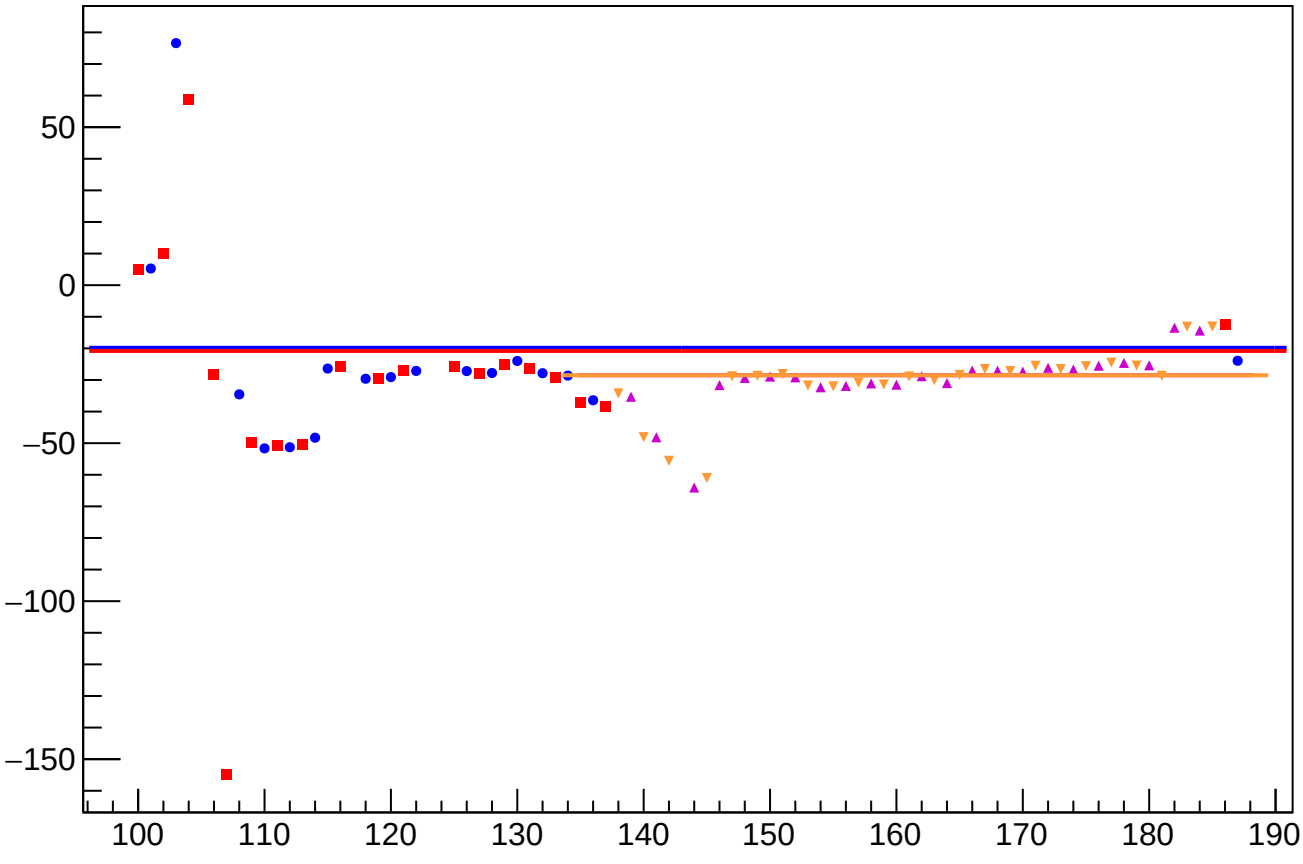
Right Out: -13.697+/-0.586 χ^2/NDF: 473.7/18

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -1.118+/-0.286 χ^2/NDF: 1722.4/40

All: -1.493+/-0.203 χ^2/NDF: 3416.5/82

\- sign -1.876+/-0.289 χ^2/NDF: 1690.6/41



Right In: -19.817+/-0.035 χ^2/NDF: 647491.4/16

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.808+/-0.037 χ^2/NDF: 552337.2/18

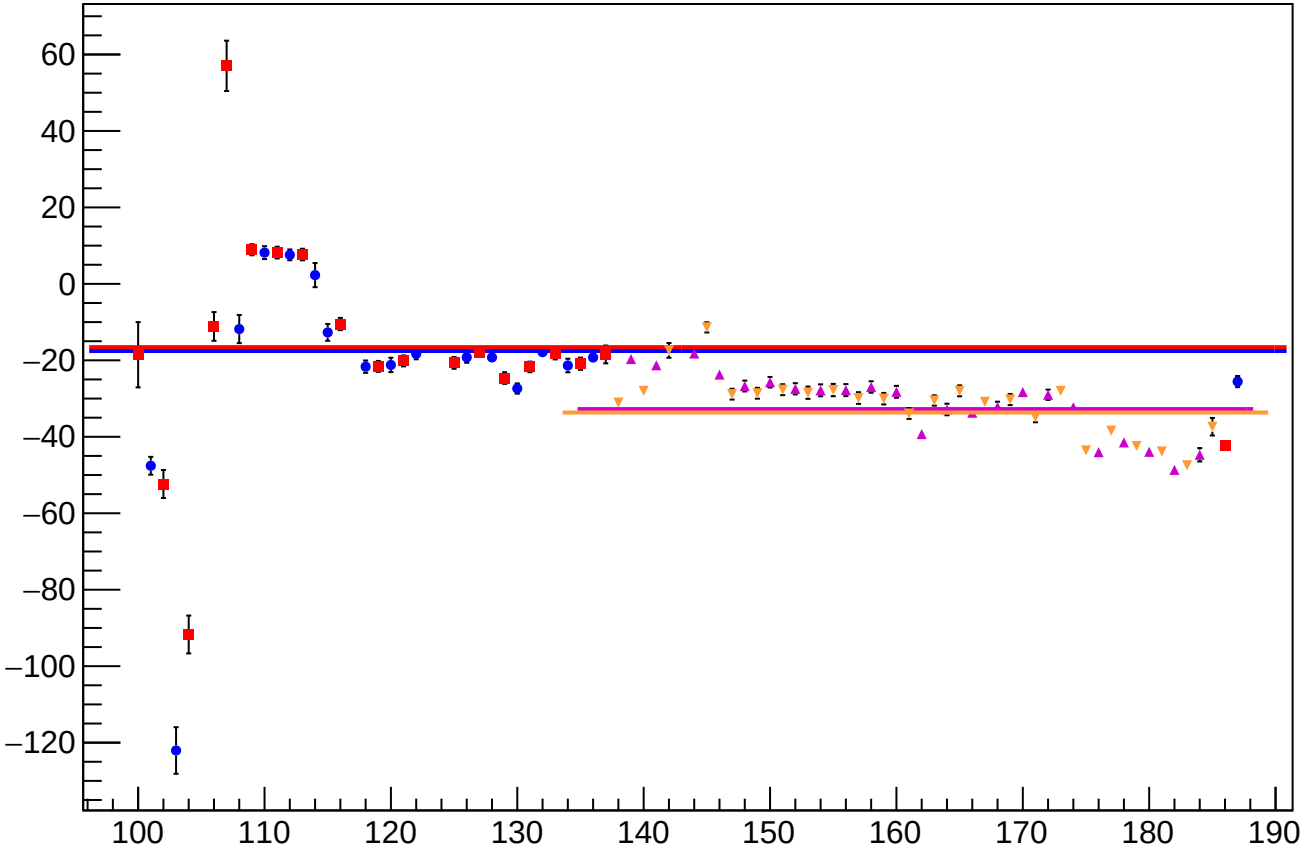
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -27.223+/-0.014 χ^2/NDF: 1032734.9/40

All: -27.325+/-0.010 χ^2/NDF: 1910303.7/82

- sign -27.429+/-0.014 χ^2/NDF: 877454.8/41

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -17.561+/-0.389 χ^2/NDF: 1160.5/16

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -16.552+/-0.389 χ^2/NDF: 1792.3/18

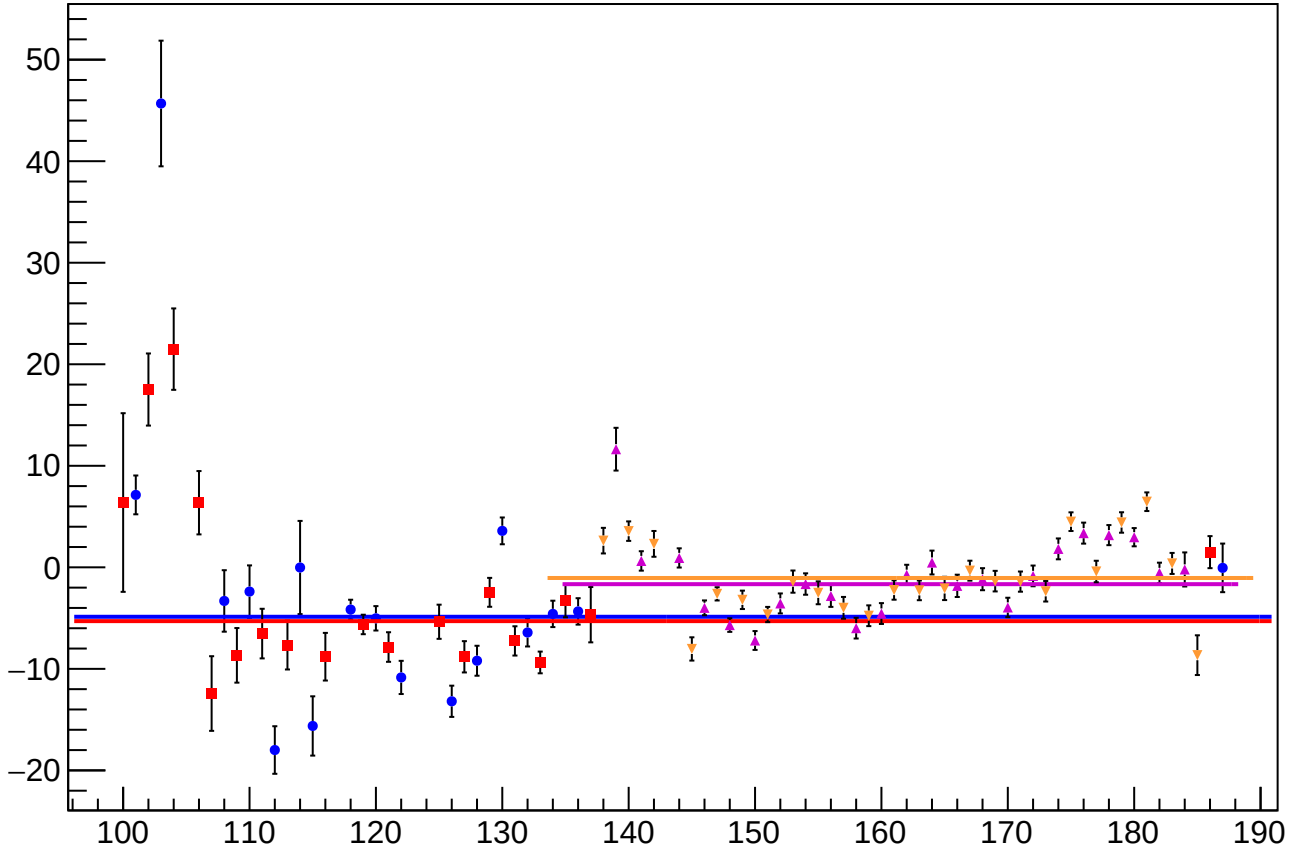
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -28.546+/-0.219 χ^2/NDF: 3342.4/40

All: -28.039+/-0.156 χ^2/NDF: 7462.9/82

- sign -27.524+/-0.221 χ^2/NDF: 4109.6/41

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.870+/-0.396 χ^2/NDF: 251.9/16

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -5.299+/-0.405 χ^2/NDF: 159.2/18

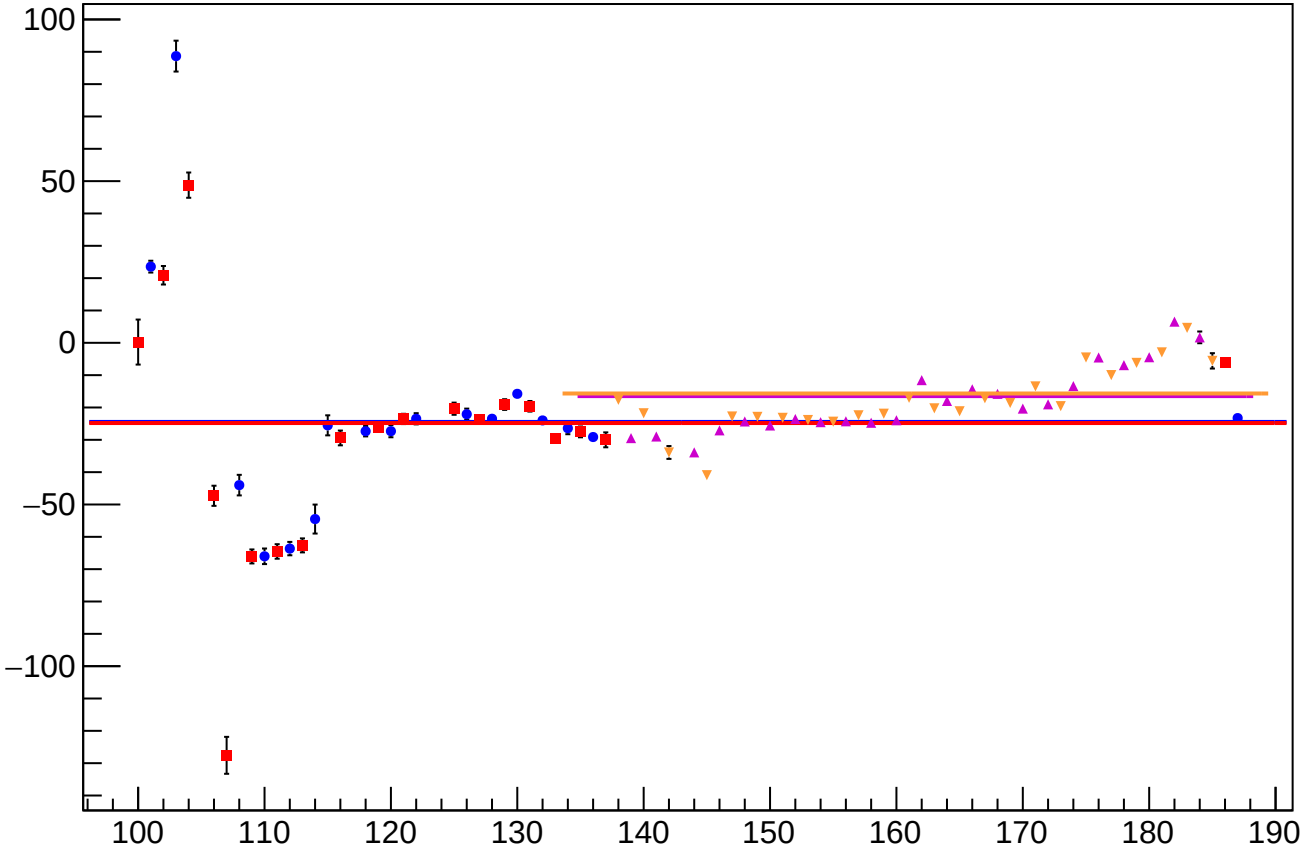
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.845+/-0.181 χ^2/NDF: 615.1/40

All: -2.122+/-0.129 χ^2/NDF: 1107.5/82

- sign -2.410+/-0.184 χ^2/NDF: 487.6/41

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -24.469+/-0.425 χ^2/NDF: 2053.0/16

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.808+/-0.430 χ^2/NDF: 2379.7/18

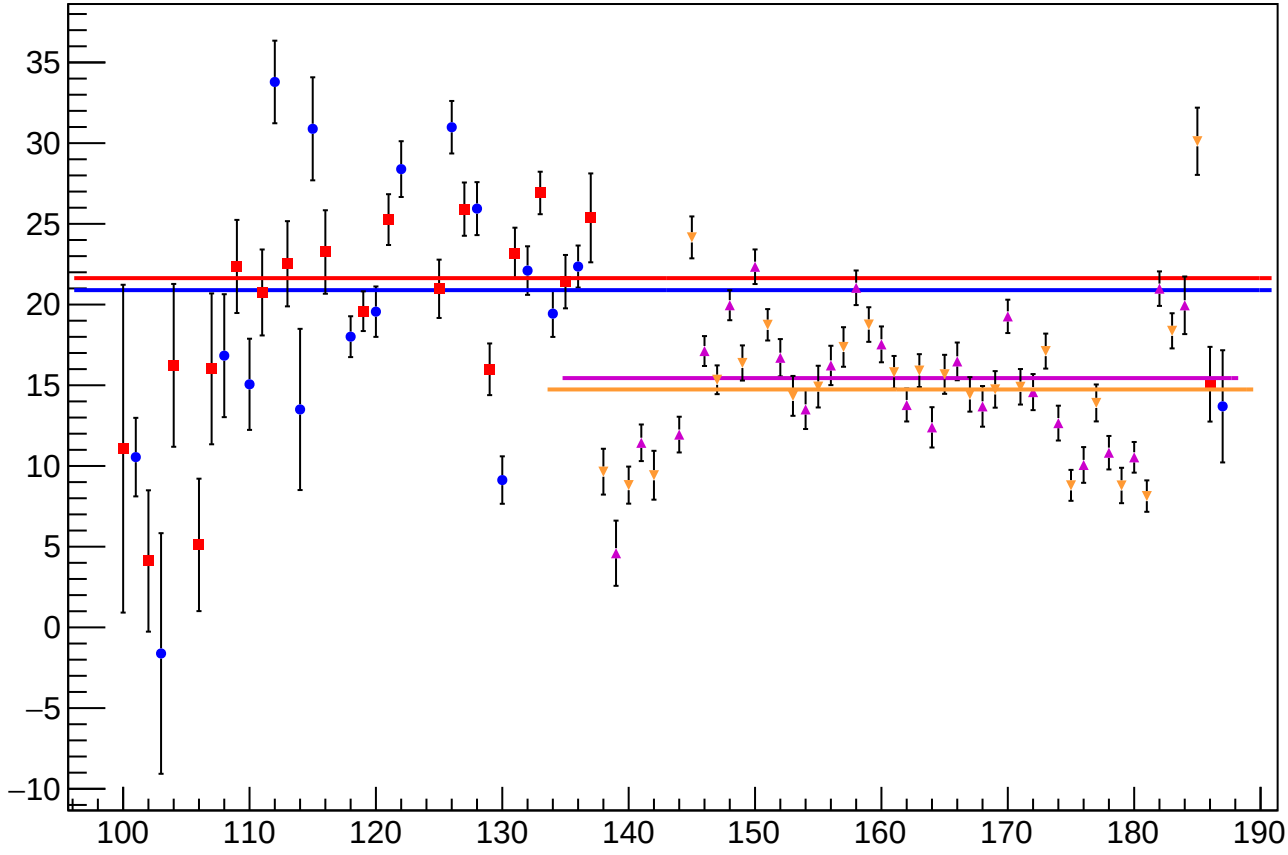
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -18.107+/-0.224 χ^2/NDF: 3883.1/40

All: -18.443+/-0.159 χ^2/NDF: 8236.7/82

- sign -18.786+/-0.226 χ^2/NDF: 4349.1/41

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 20.893+/-0.454 χ^2/NDF: 214.0/16

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 21.637+/-0.468 χ^2/NDF: 91.0/18

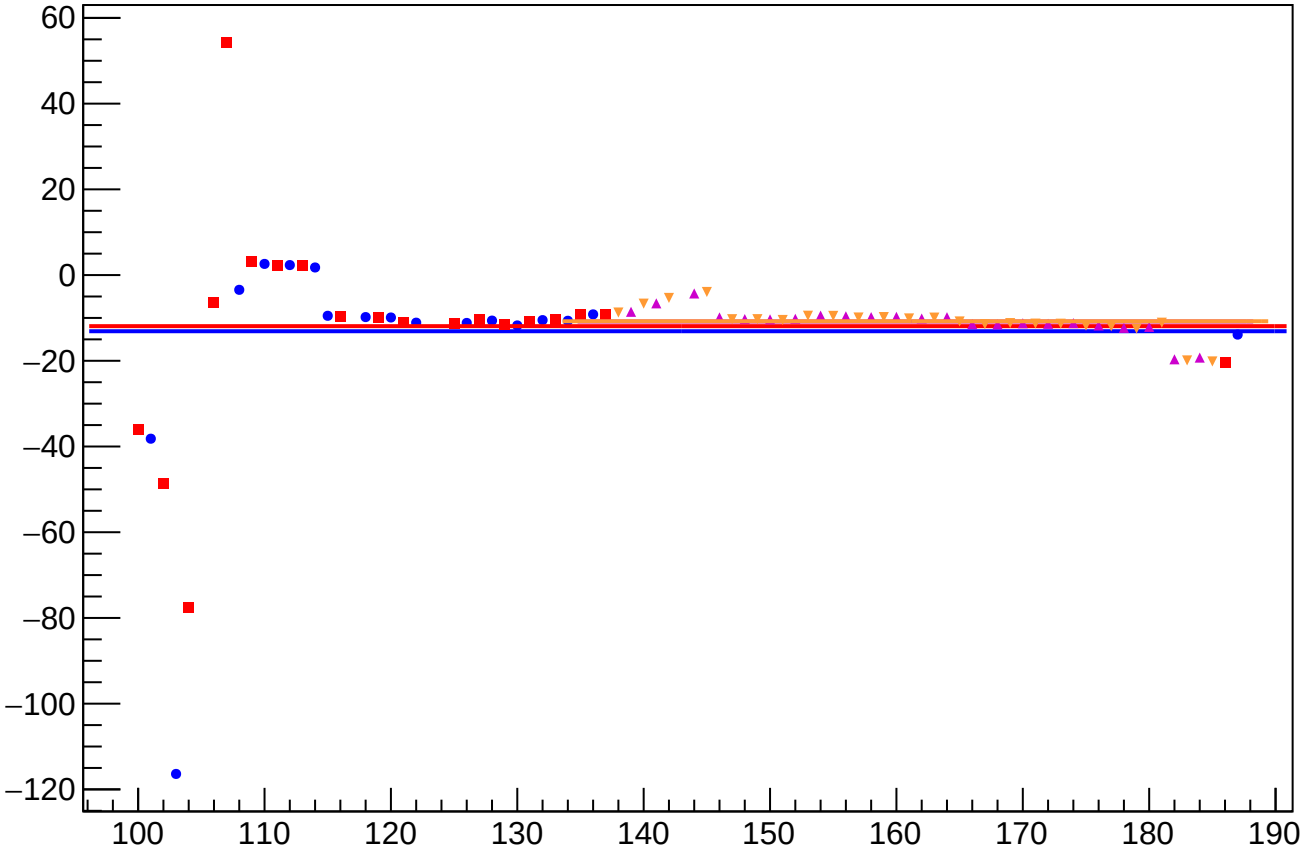
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.991+/-0.205 χ^2/NDF: 691.2/40

All: 16.325+/-0.146 χ^2/NDF: 1218.0/82

- sign 16.673+/-0.209 χ^2/NDF: 521.4/41

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -13.103+/-0.028 χ^2/NDF: 344958.7/16

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -11.920+/-0.030 χ^2/NDF: 317038.1/18

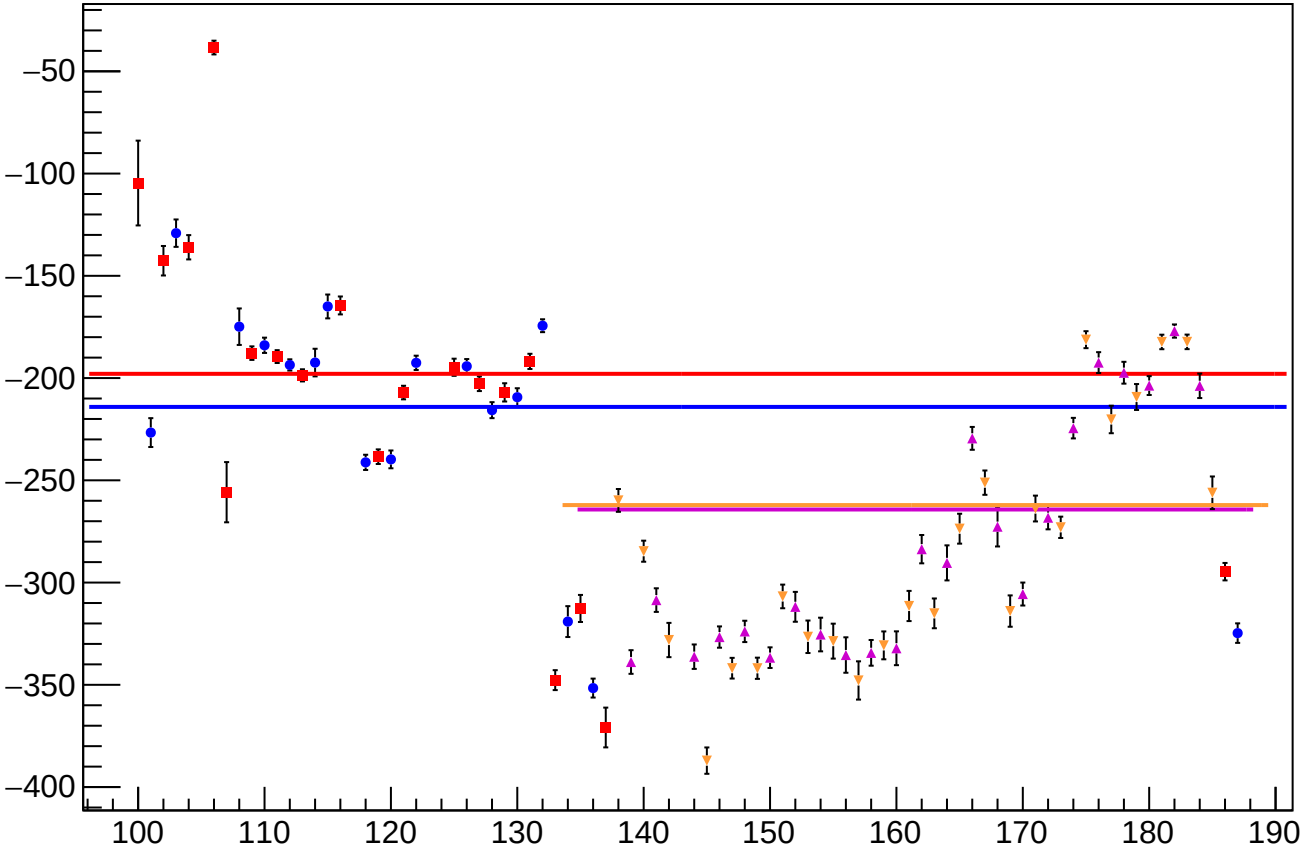
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -11.053+/-0.010 χ^2/NDF: 435756.3/40

All: -11.000+/-0.007 χ^2/NDF: 828116.7/82

- sign -10.947+/-0.010 χ^2/NDF: 392300.9/41

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -214.106+/-1.041 χ^2/NDF: 2314.7/16

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -197.928+/-0.973 χ^2/NDF: 4750.3/18

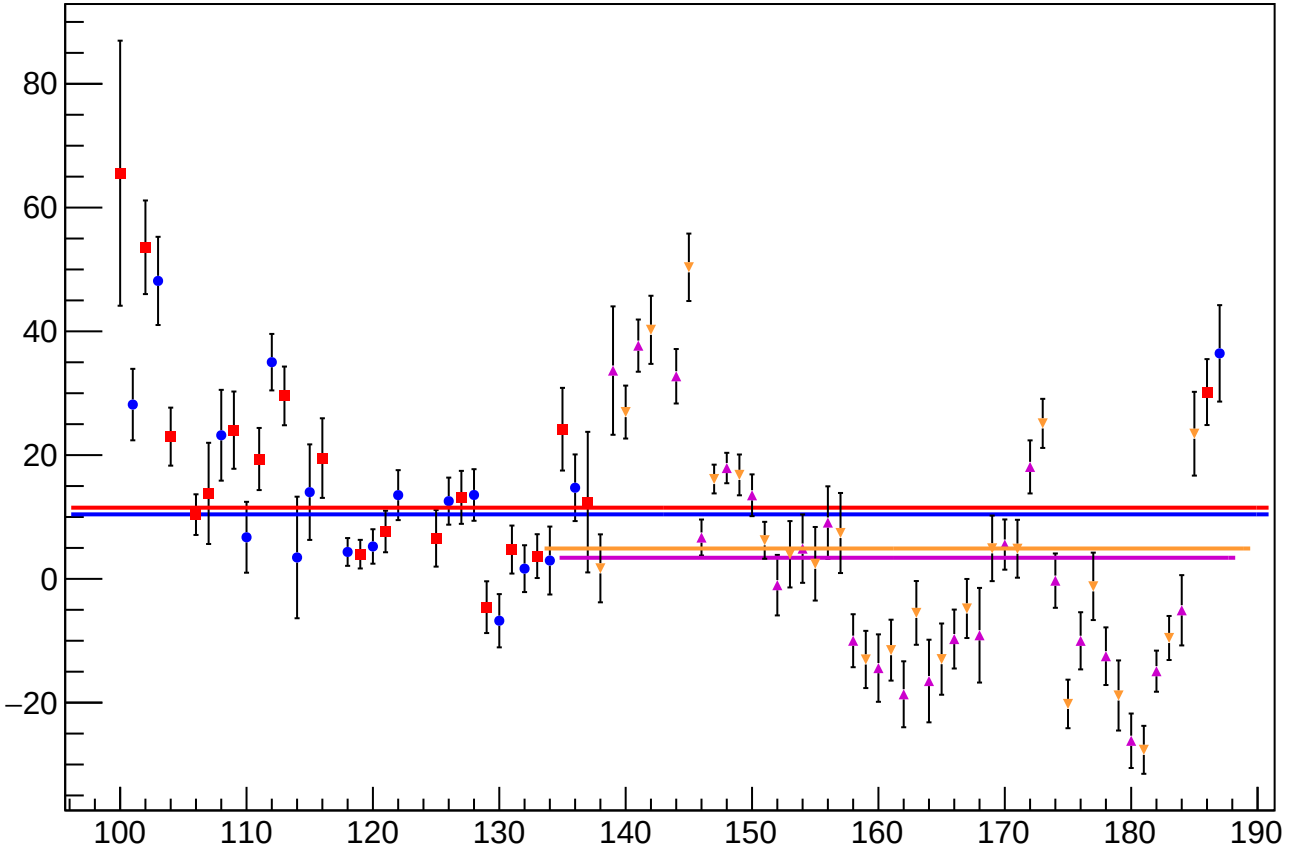
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -235.125+/-0.780 χ^2/NDF: 6210.7/40

All: -229.673+/-0.541 χ^2/NDF: 15668.8/82

- sign -224.612+/-0.752 χ^2/NDF: 9364.0/41

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.424+/-1.056 χ^2/NDF: 117.9/16

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 11.505+/-1.024 χ^2/NDF: 117.8/18

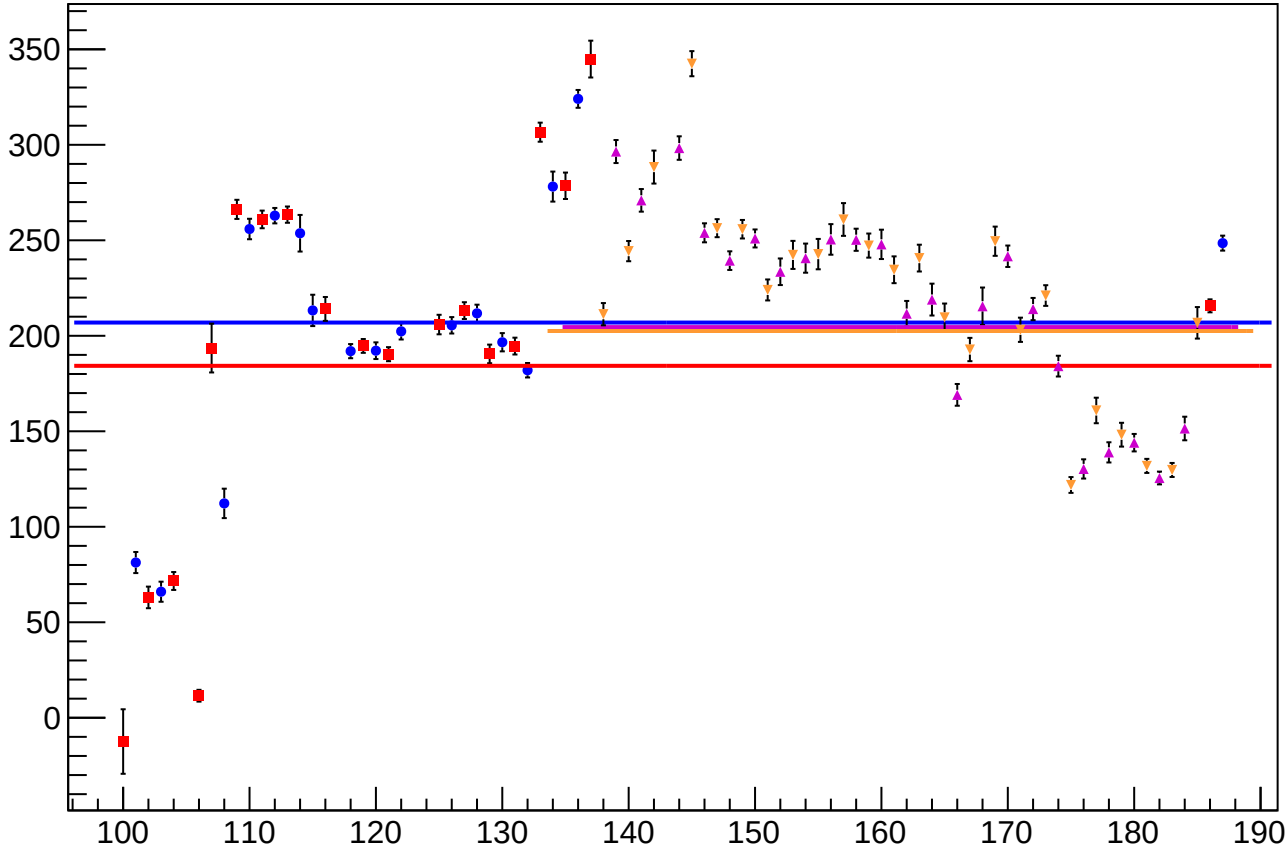
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 7.189+/-0.679 χ^2/NDF: 532.9/40

All: 7.064+/-0.479 χ^2/NDF: 1019.4/82

- sign 6.941+/-0.676 χ^2/NDF: 486.4/41

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 206.932+/-1.170 χ^2/NDF: 2587.5/16

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 184.273+/-1.084 χ^2/NDF: 6442.5/18

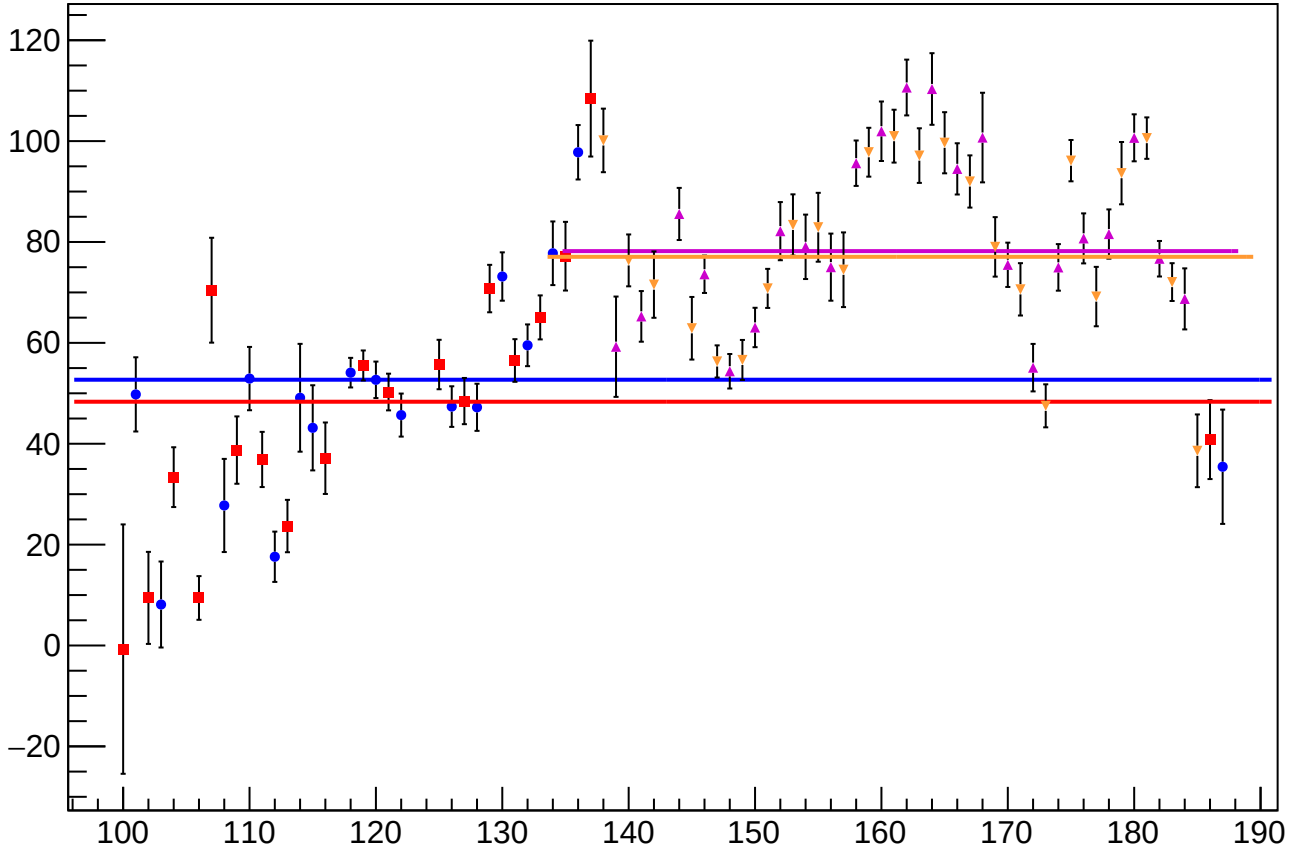
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 204.727+/-0.828 χ^2/NDF: 4988.1/40

All: 198.944+/-0.574 χ^2/NDF: 13971.0/82

- sign 193.583+/-0.797 χ^2/NDF: 8888.9/41

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 52.692+/-1.234 χ^2/NDF: 200.7/16

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

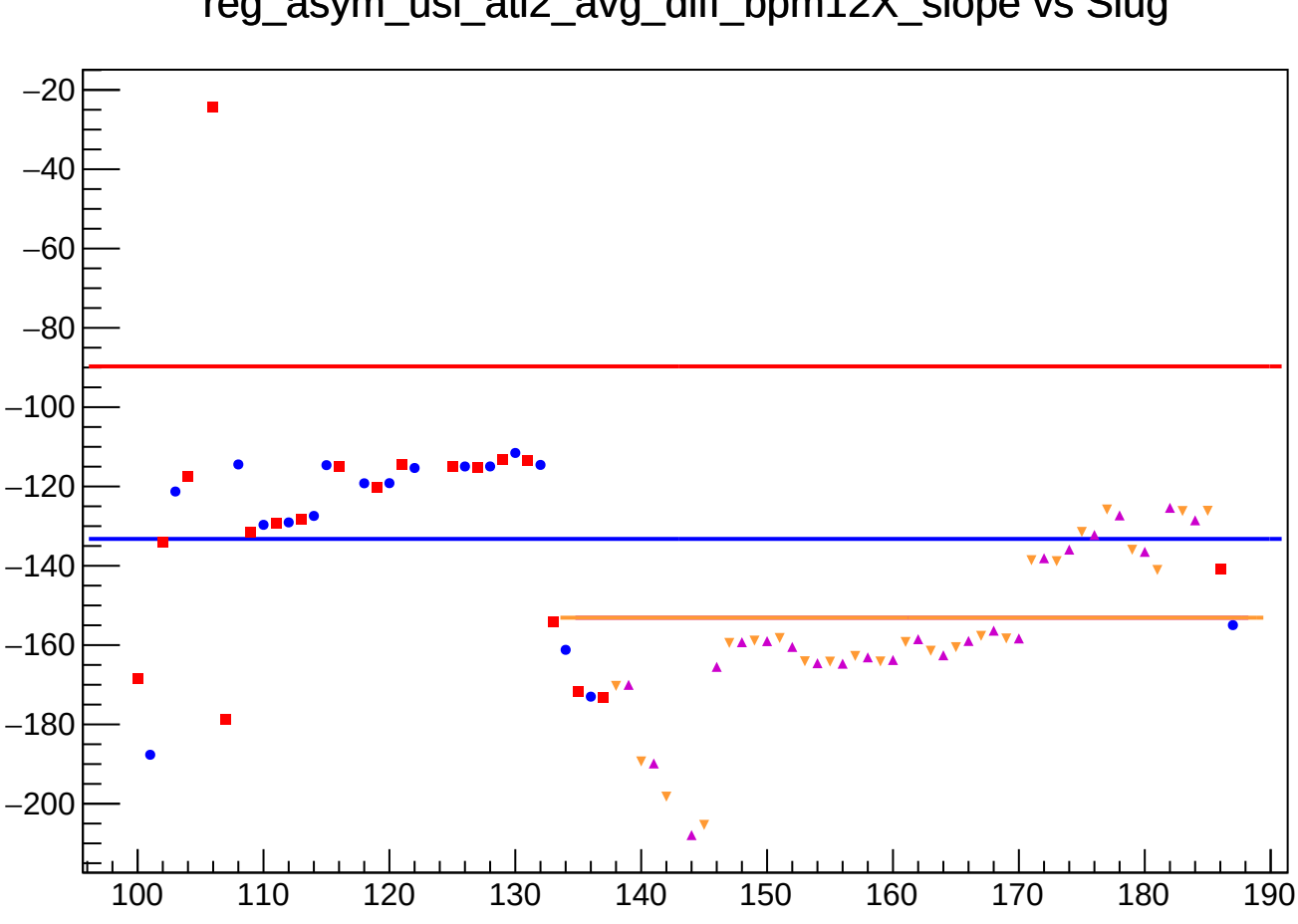
Right Out: 48.330+/-1.200 χ^2/NDF: 240.9/18

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 67.226+/-0.784 χ^2/NDF: 744.5/40

All: 66.400+/-0.553 χ^2/NDF: 1578.0/82

- sign 65.584+/-0.780 χ^2/NDF: 831.3/41



Right In: -133.224+/-0.081 χ^2/NDF: 94727.9/16

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -89.714+/-0.064 χ^2/NDF: 736848.9/18

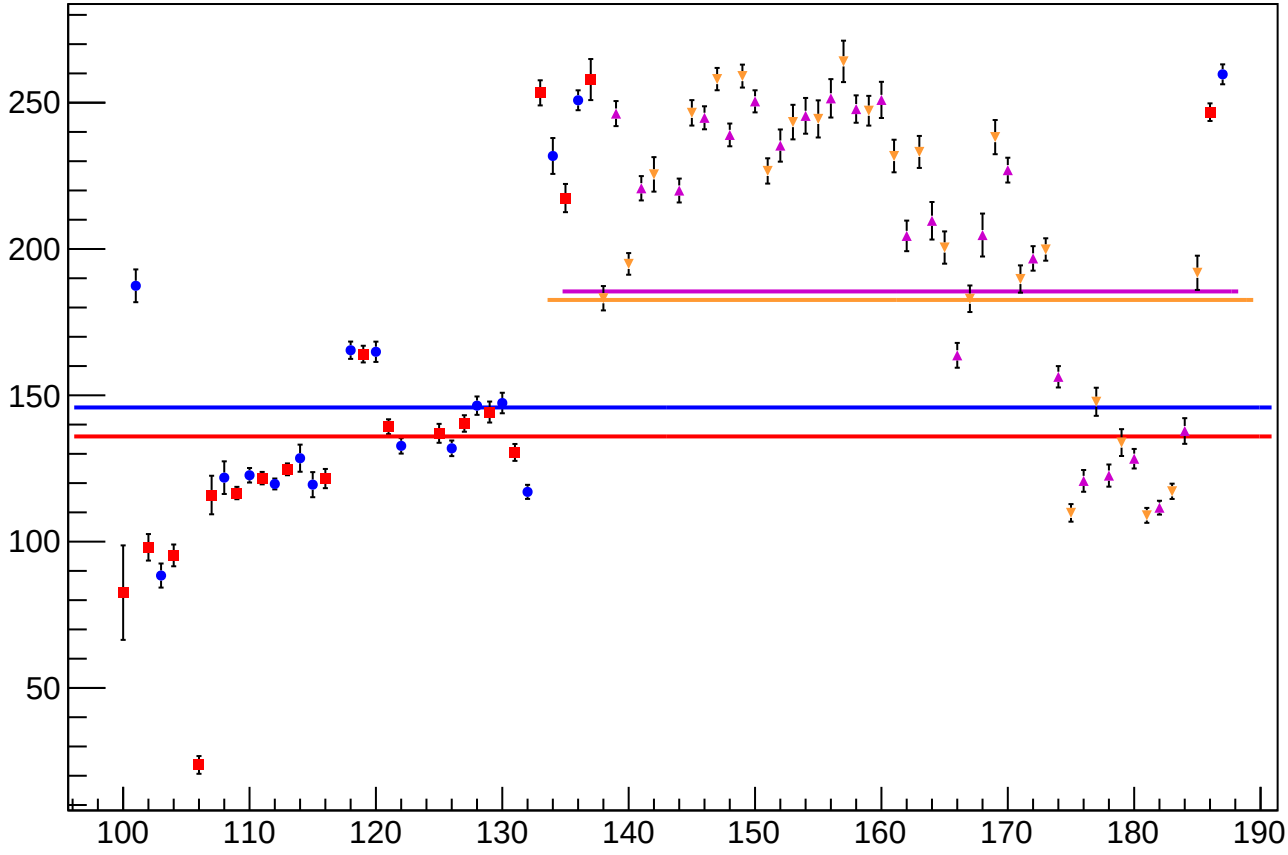
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -148.069+/-0.041 χ^2/NDF: 317594.4/40

All: -138.898+/-0.028 χ^2/NDF: 1960474.3/82

- sign -131.001+/-0.038 χ^2/NDF: 1547718.8/41

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 145.851+/-0.765 χ^2/NDF: 3141.5/16

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 135.945+/-0.713 χ^2/NDF: 4561.1/18

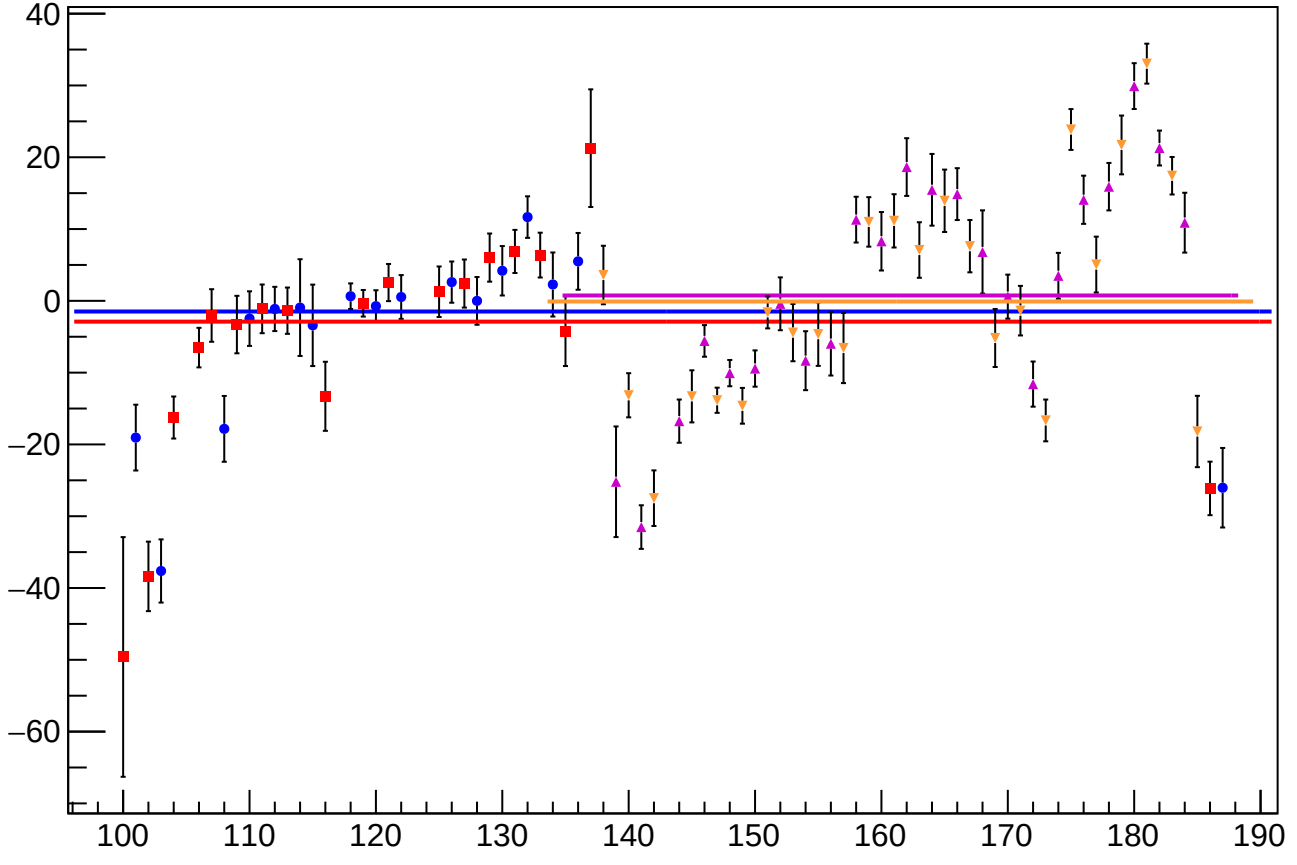
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 161.946+/-0.573 χ^2/NDF: 8305.4/40

All: 158.758+/-0.398 χ^2/NDF: 18681.8/82

- sign 155.799+/-0.552 χ^2/NDF: 10316.8/41

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.485+/-0.800 χ^2/NDF: 146.1/16

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -2.896+/-0.767 χ^2/NDF: 173.8/18

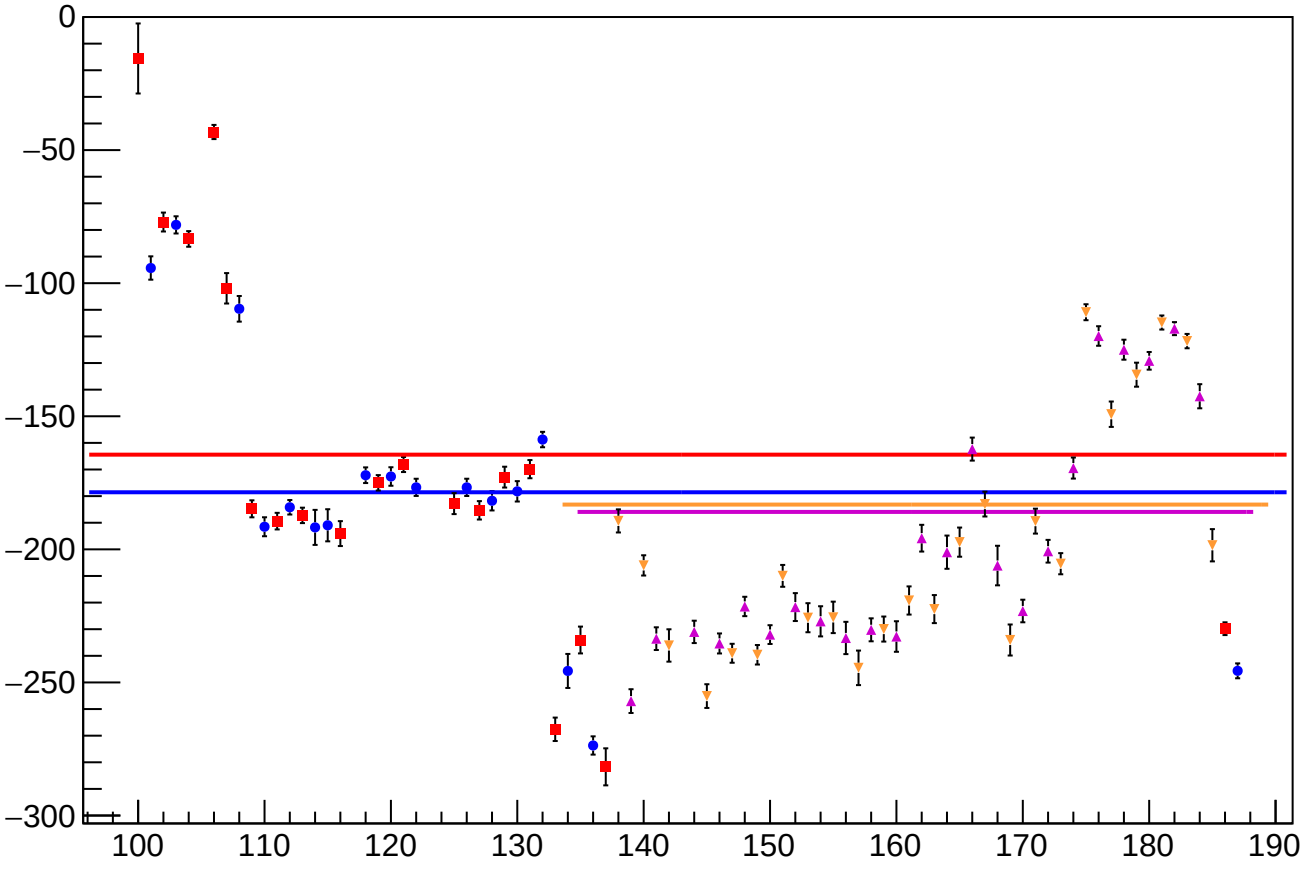
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -0.651+/-0.507 χ^2/NDF: 703.2/40

All: -0.735+/-0.357 χ^2/NDF: 1387.7/82

- sign -0.817+/-0.503 χ^2/NDF: 684.4/41

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -178.553+/-0.863 χ^2/NDF: 3078.1/16

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -164.422+/-0.799 χ^2/NDF: 5740.5/18

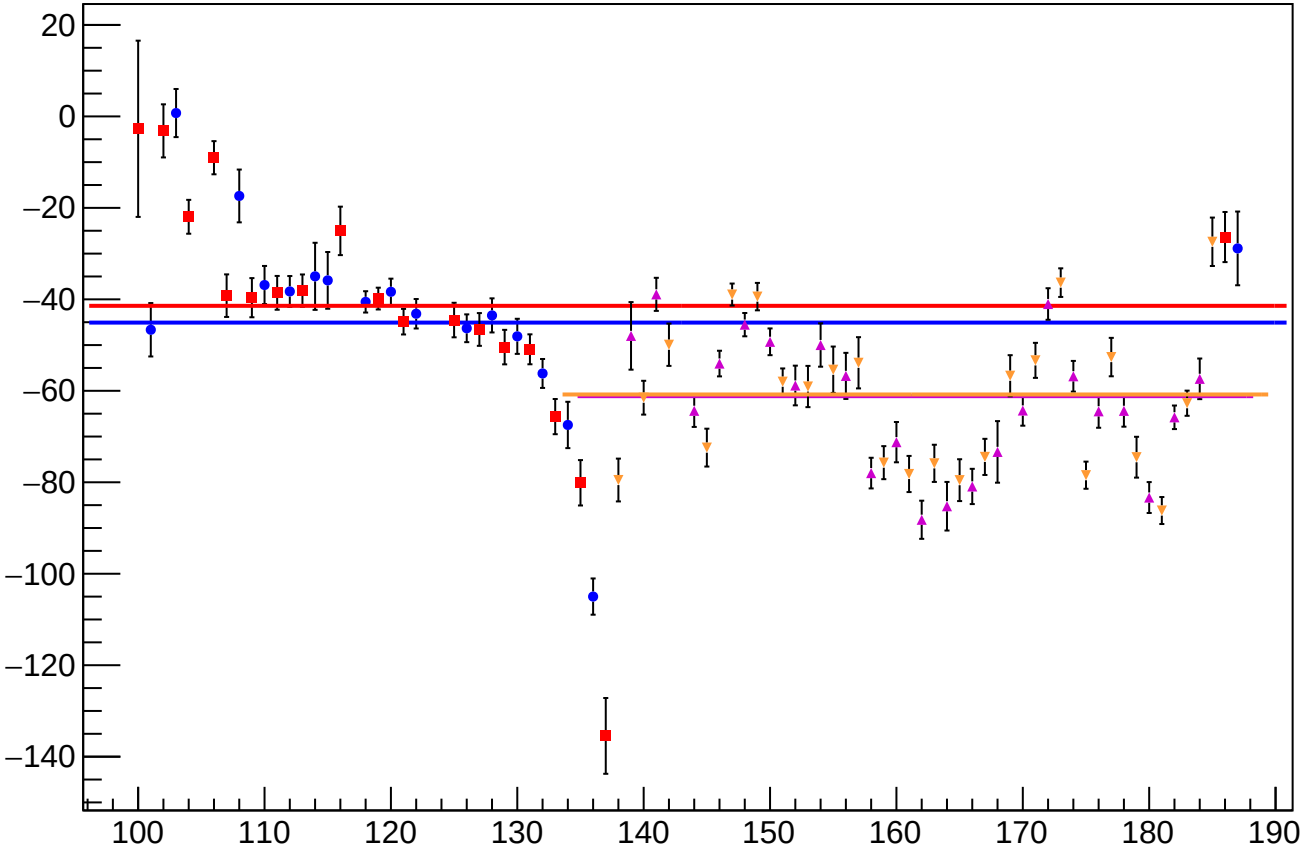
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -180.865+/-0.610 χ^2/NDF: 6453.6/40

All: -177.461+/-0.423 χ^2/NDF: 15768.7/82

- sign -174.301+/-0.588 χ^2/NDF: 9255.0/41

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -45.085+/-0.931 χ^2/NDF: 386.1/16

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -41.418+/-0.897 χ^2/NDF: 422.0/18

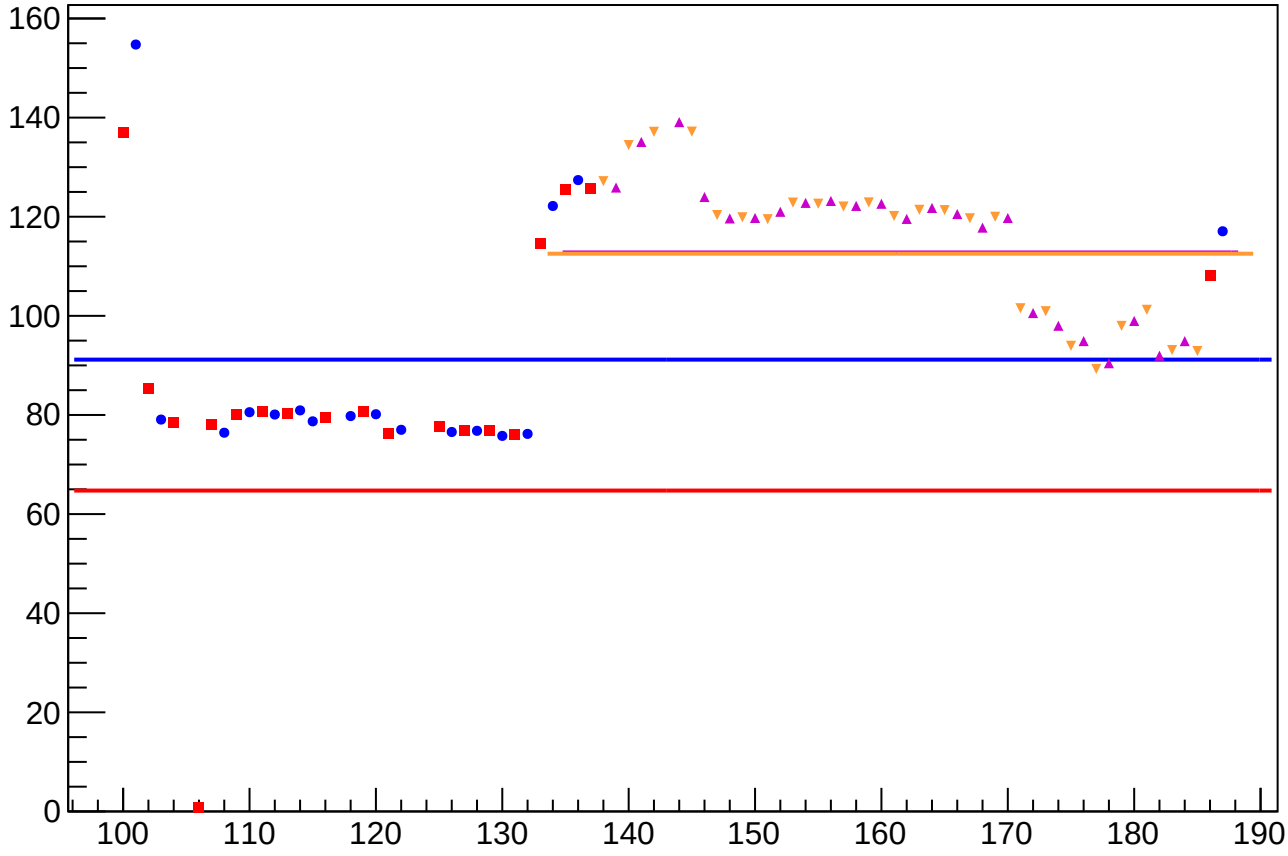
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -54.629+/-0.584 χ^2/NDF: 1033.1/40

All: -53.786+/-0.411 χ^2/NDF: 2059.4/82

- sign -52.958+/-0.578 χ^2/NDF: 1022.2/41

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 91.166+/-0.058 χ^2/NDF: 164546.0/16

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 64.748+/-0.049 χ^2/NDF: 673423.1/18

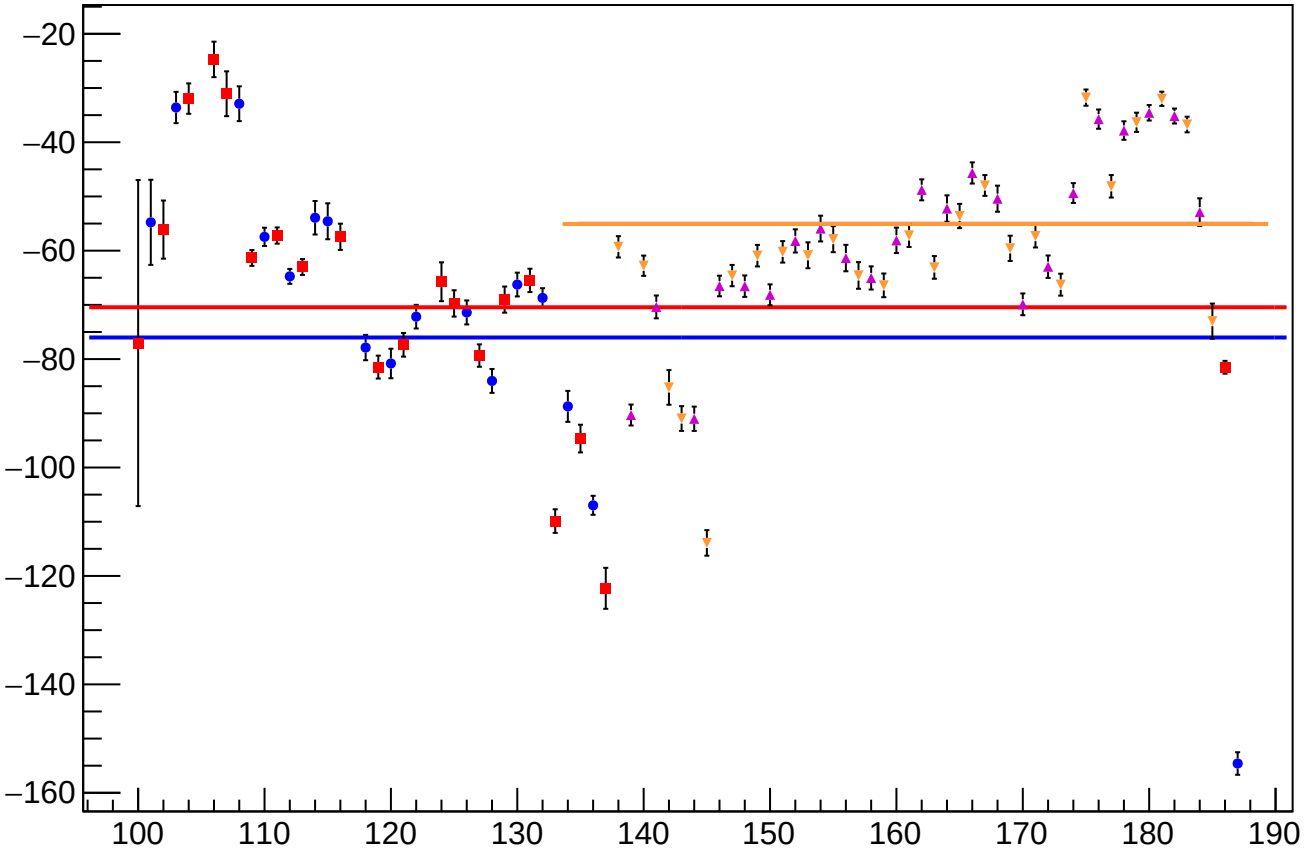
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.932+/-0.030 χ^2/NDF: 439252.0/40

All: 101.634+/-0.020 χ^2/NDF: 1990008.8/82

- sign 96.873+/-0.028 χ^2/NDF: 1490340.2/41

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -76.016+/-0.539 χ^2/NDF: 2502.2/16

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -70.441+/-0.481 χ^2/NDF: 1410.6/19

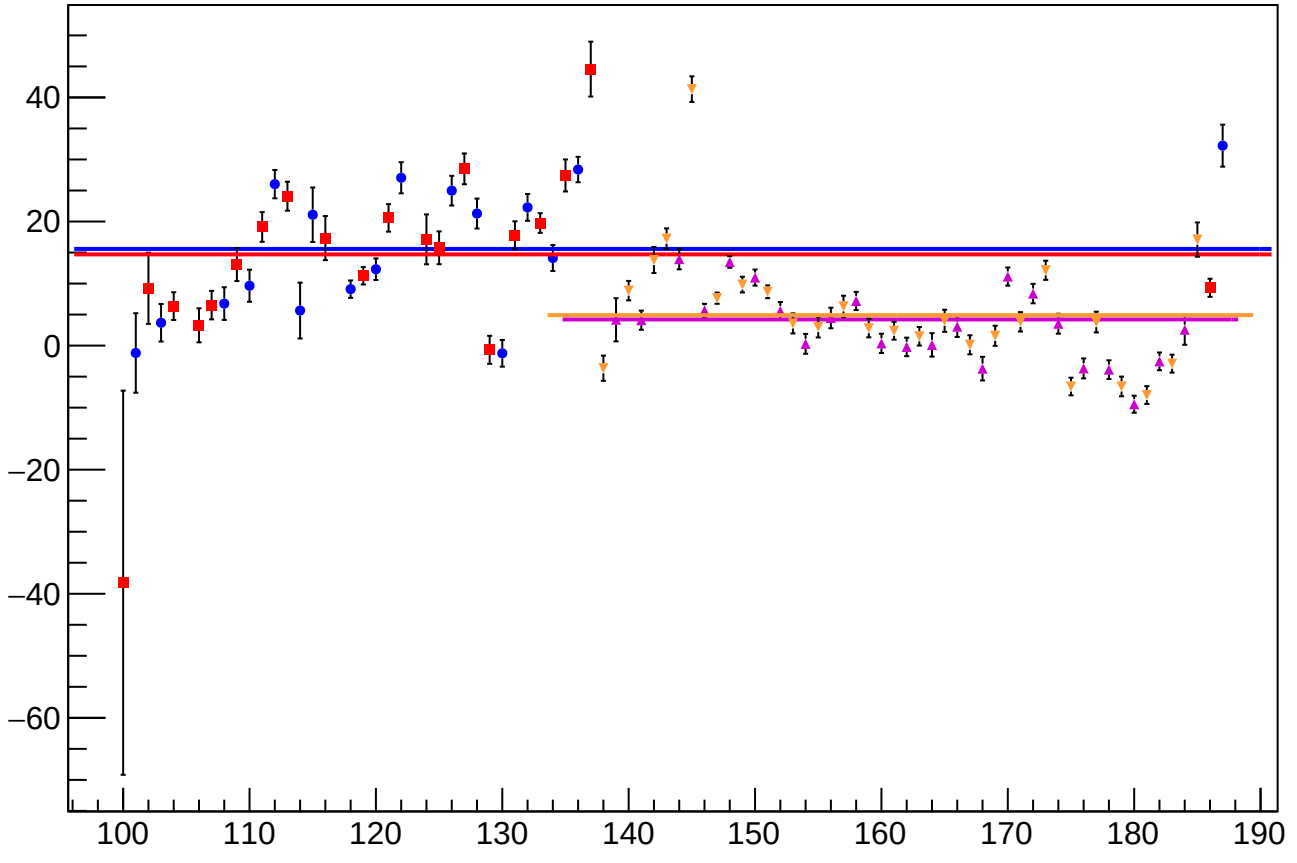
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -62.531+/-0.321 χ^2/NDF: 5477.8/41

All: -62.017+/-0.224 χ^2/NDF: 9027.3/84

- sign -61.532+/-0.312 χ^2/NDF: 3544.6/42

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.583+/-0.573 χ^2/NDF: 267.4/16

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.701+/-0.521 χ^2/NDF: 254.9/19

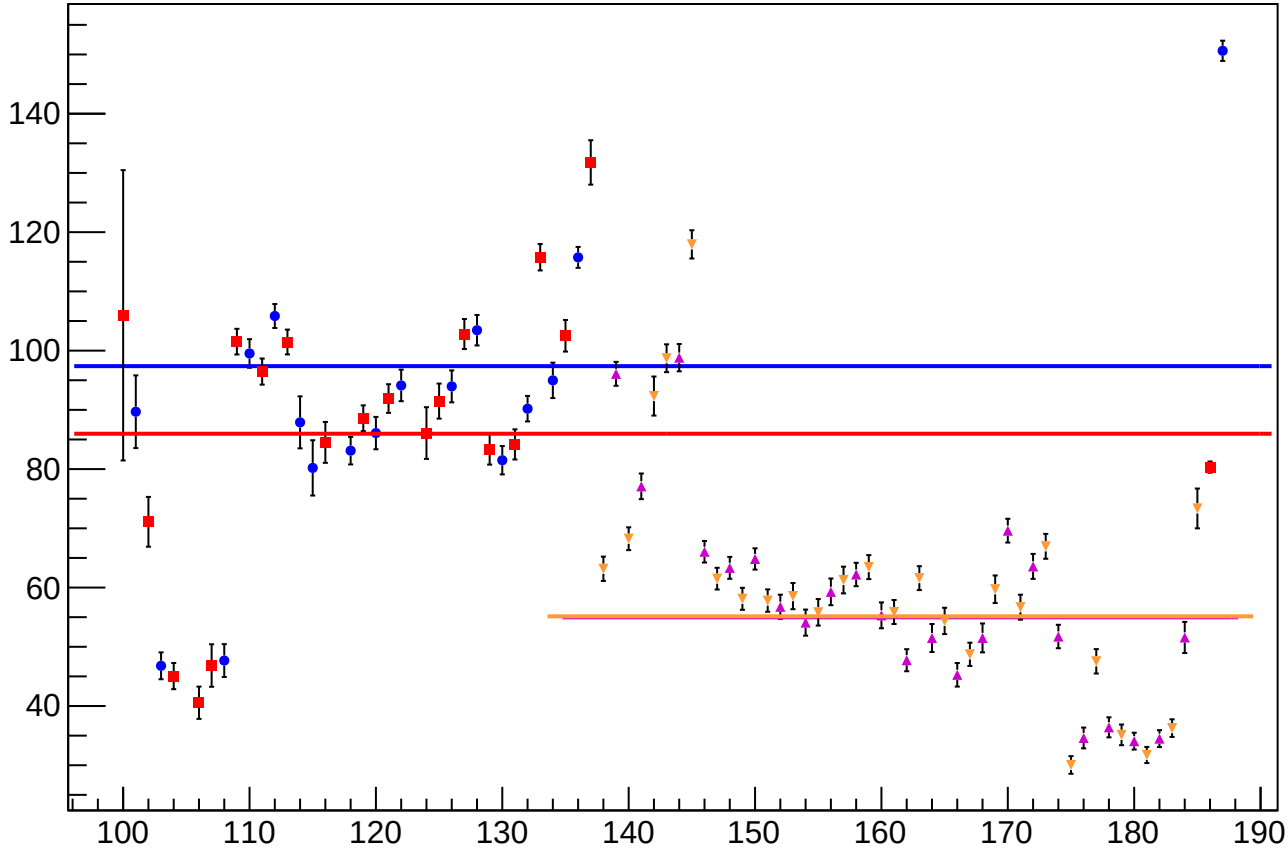
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.226+/-0.267 χ^2/NDF: 1281.0/41

All: 7.106+/-0.189 χ^2/NDF: 2249.1/84

- sign 6.986+/-0.268 χ^2/NDF: 967.8/42

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 97.381+/-0.600 χ^2/NDF: 2053.2/16

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 85.970+/-0.517 χ^2/NDF: 1339.6/19

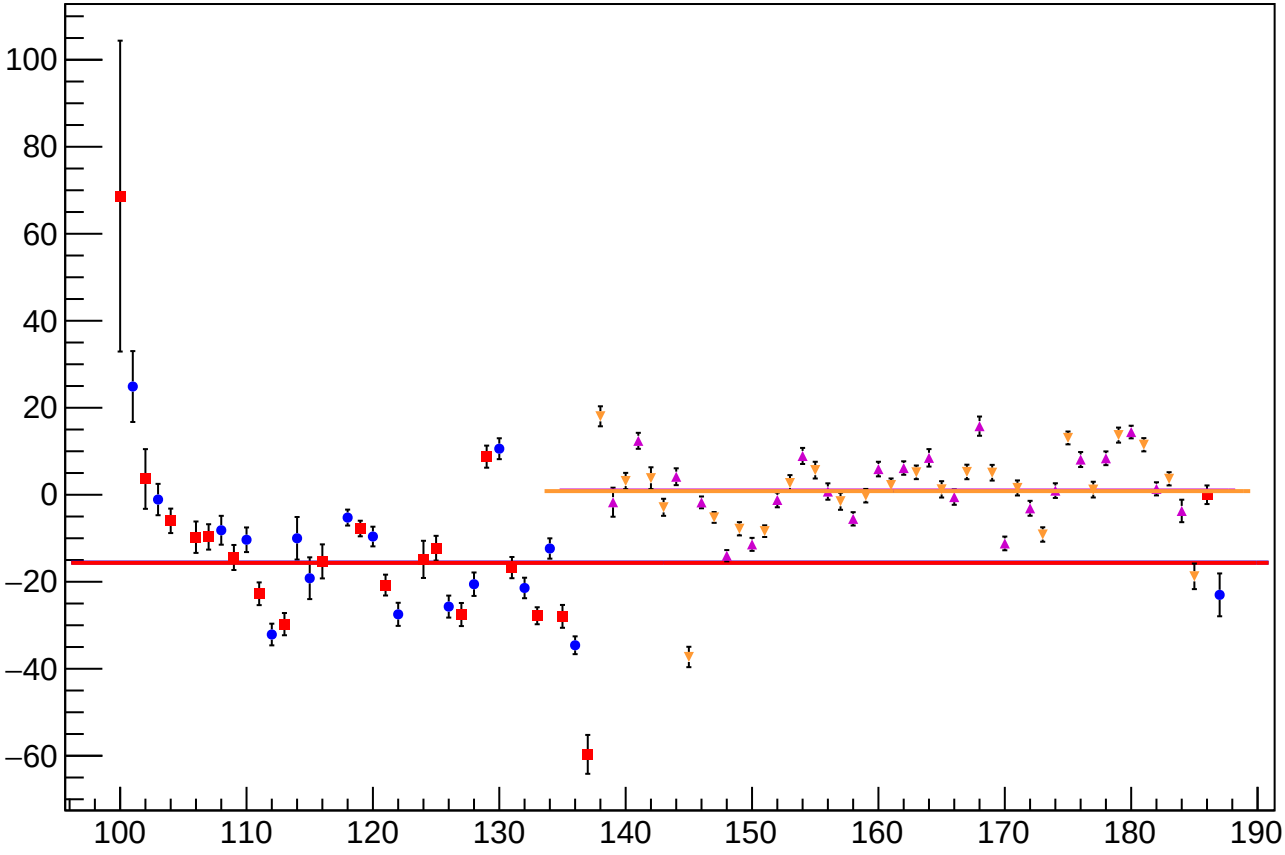
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 68.001+/-0.331 χ^2/NDF: 7743.3/41

All: 67.370+/-0.230 χ^2/NDF: 13096.3/84

- sign 66.784+/-0.319 χ^2/NDF: 5345.9/42

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -15.589+/-0.659 χ^2/NDF: 388.8/16

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -15.650+/-0.616 χ^2/NDF: 419.4/19

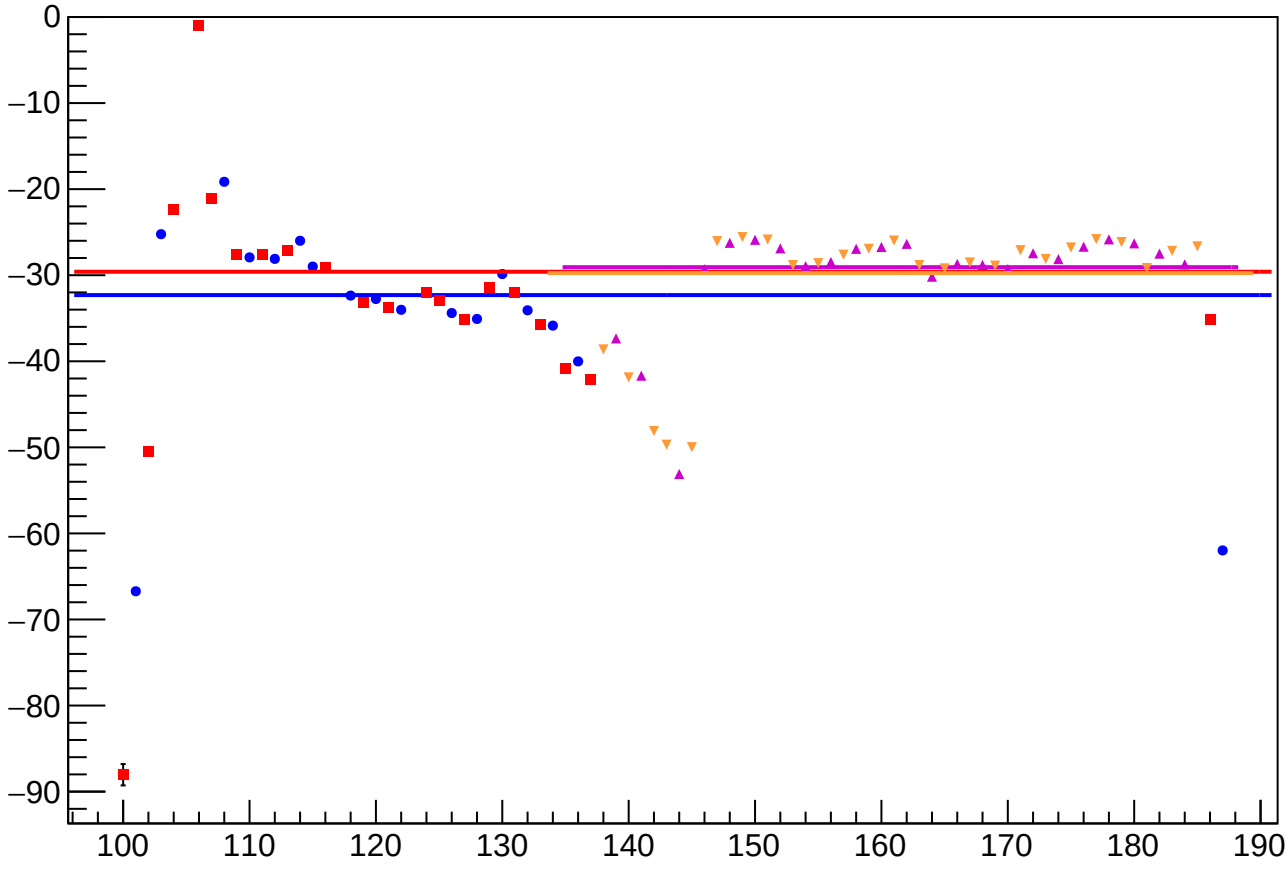
Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.656+/-0.304 χ^2/NDF: 1594.6/41

All: -2.893+/-0.216 χ^2/NDF: 3121.6/84

- sign -3.134+/-0.307 χ^2/NDF: 1525.8/42

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -32.310+/-0.038 χ^2/NDF: 51577.2/16

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -29.597+/-0.037 χ^2/NDF: 96621.4/19

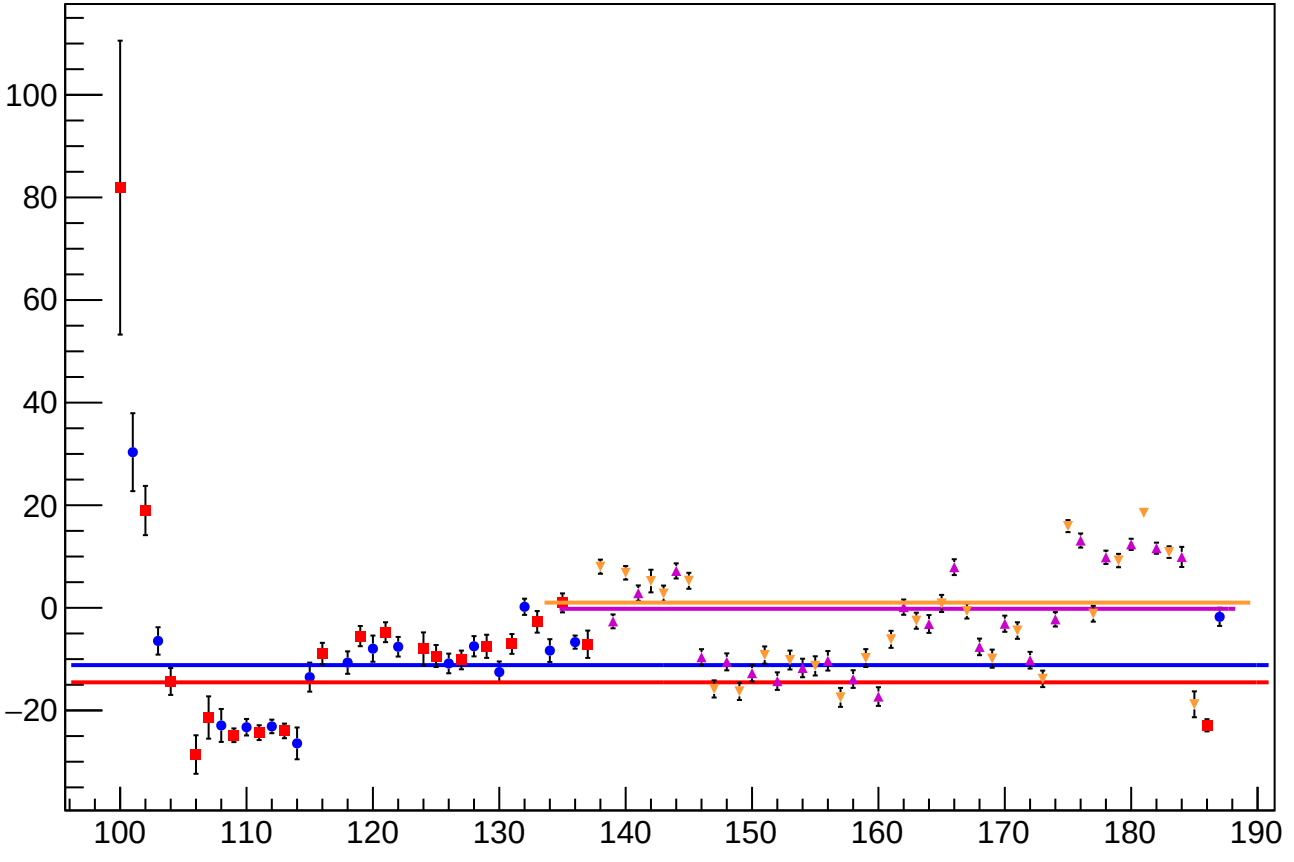
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -30.119+/-0.014 χ^2/NDF: 218979.8/41

All: -29.638+/-0.010 χ^2/NDF: 419568.2/84

- sign -29.148+/-0.015 χ^2/NDF: 198338.0/42

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -11.167+/-0.478 χ^2/NDF: 312.5/16

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -14.527+/-0.445 χ^2/NDF: 478.8/19

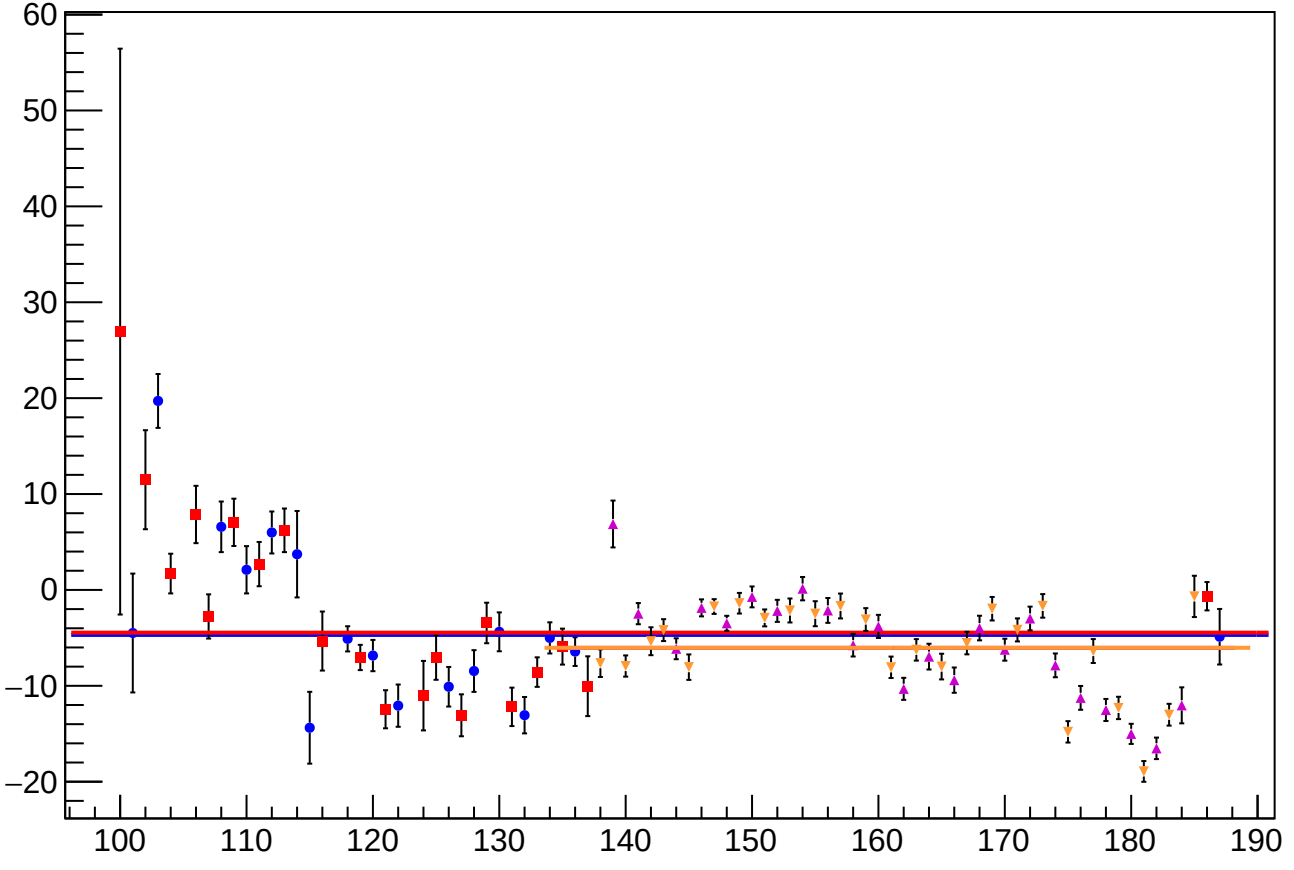
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -2.503+/-0.257 χ^2/NDF: 2108.9/41

All: -3.733+/-0.182 χ^2/NDF: 4307.5/84

- sign -4.962+/-0.257 χ^2/NDF: 2152.7/42

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -4.692+/-0.509 χ^2/NDF: 179.1/16

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -4.456+/-0.484 χ^2/NDF: 163.3/19

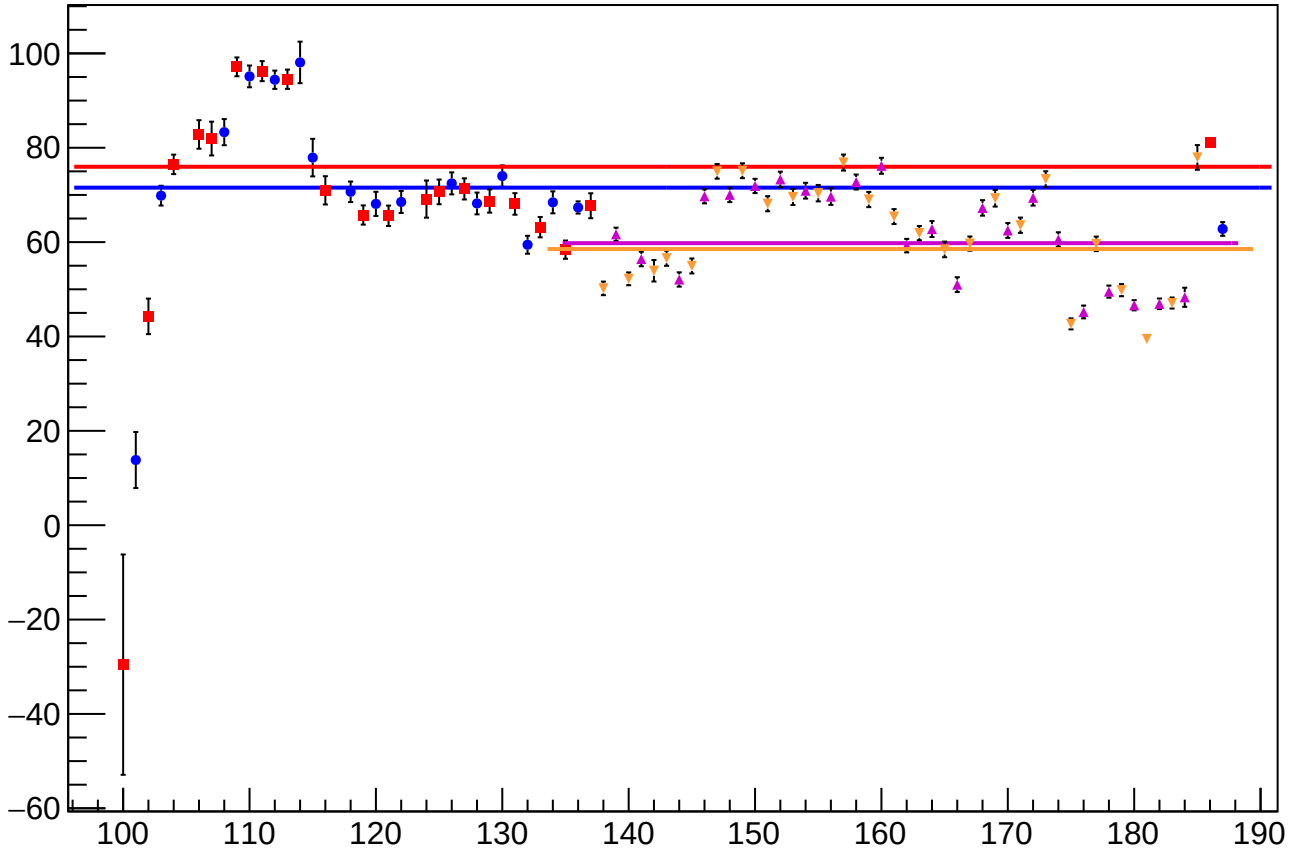
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.802+/-0.212 χ^2/NDF: 599.7/41

All: -5.764+/-0.152 χ^2/NDF: 1167.9/84

- sign -5.725+/-0.217 χ^2/NDF: 568.1/42

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 71.547+/-0.527 χ^2/NDF: 492.3/16

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 75.973+/-0.484 χ^2/NDF: 624.1/19

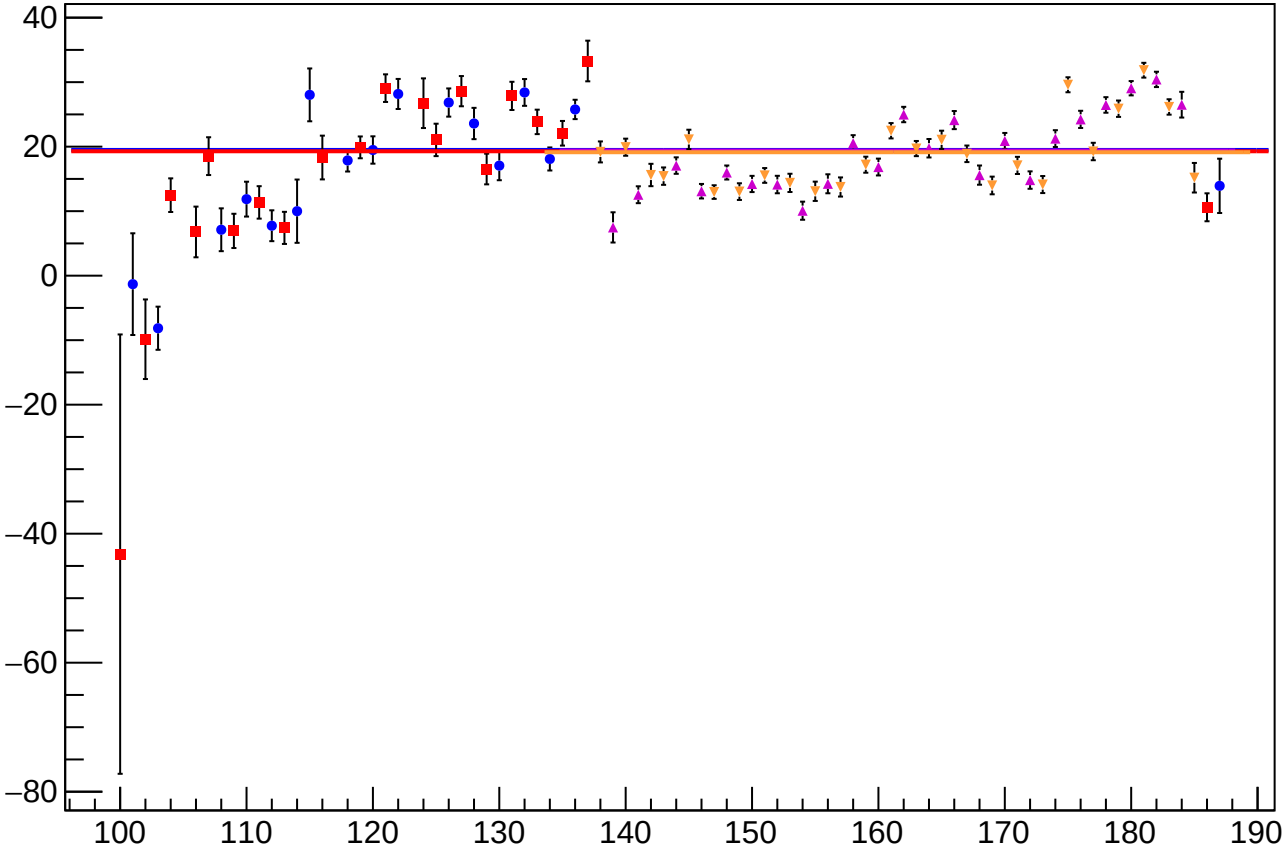
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 61.766+/-0.263 χ^2/NDF: 2399.6/41

All: 63.144+/-0.186 χ^2/NDF: 4939.8/84

- sign 64.516+/-0.262 χ^2/NDF: 2485.3/42

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 19.490+/-0.580 χ^2/NDF: 197.8/16

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 19.285+/-0.565 χ^2/NDF: 198.6/19

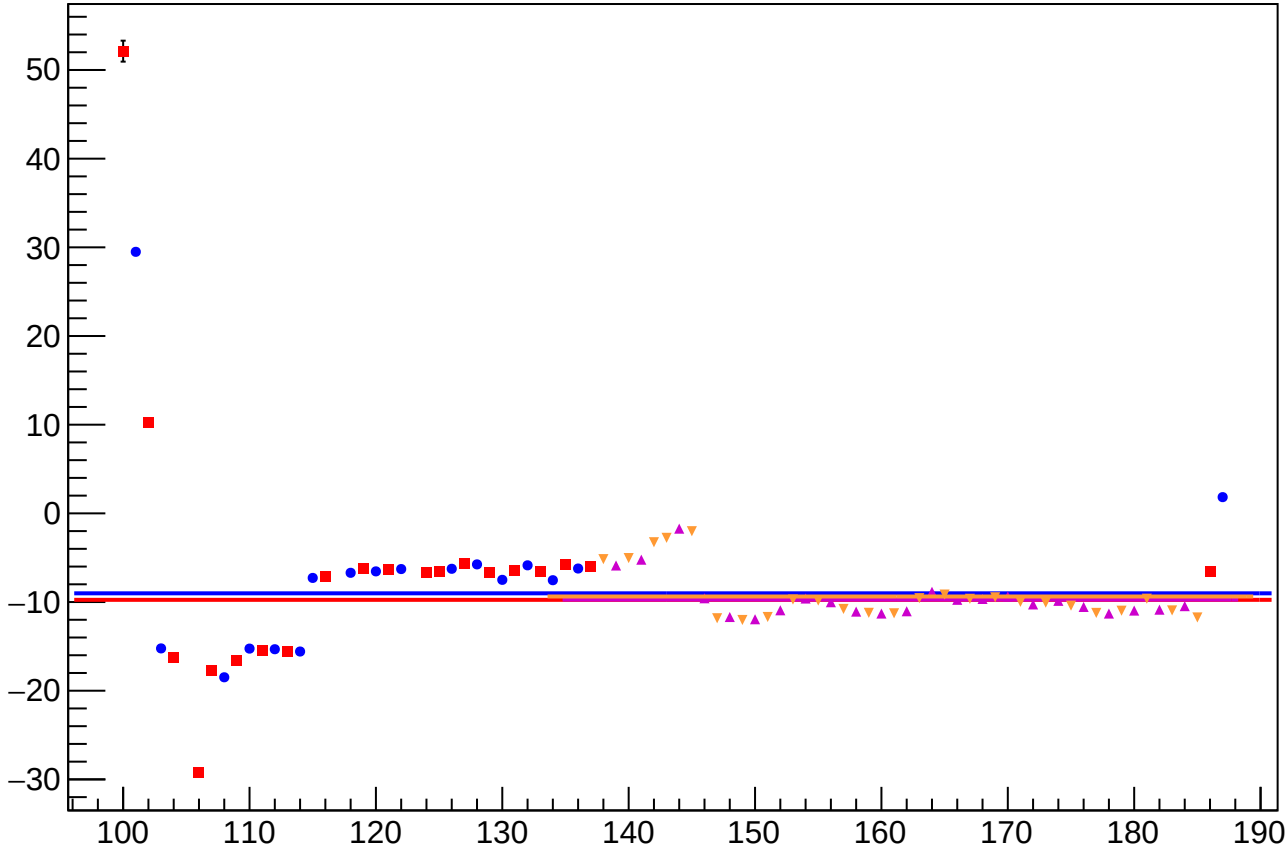
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 19.199+/-0.240 χ^2/NDF: 631.8/41

All: 19.282+/-0.172 χ^2/NDF: 1298.4/84

- sign 19.370+/-0.246 χ^2/NDF: 666.3/42

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -9.017+/-0.033 χ^2/NDF: 33393.6/16

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -9.752+/-0.034 χ^2/NDF: 54316.9/19

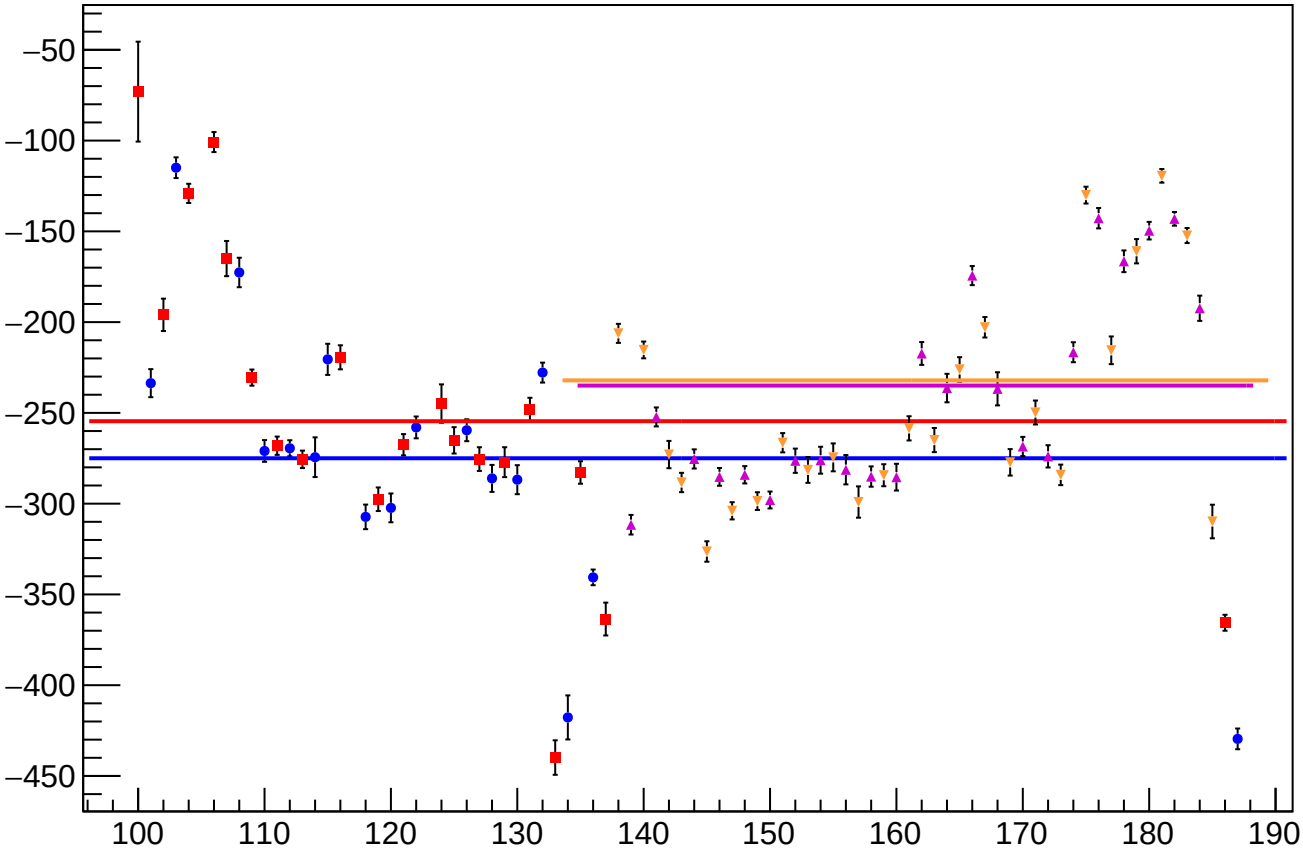
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -9.332+/-0.011 χ^2/NDF: 83434.6/41

All: -9.527+/-0.008 χ^2/NDF: 170321.4/84

- sign -9.729+/-0.011 χ^2/NDF: 86269.1/42

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -274.995+/-1.553 χ^2/NDF: 2246.0/16

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -254.580+/-1.425 χ^2/NDF: 2851.3/19

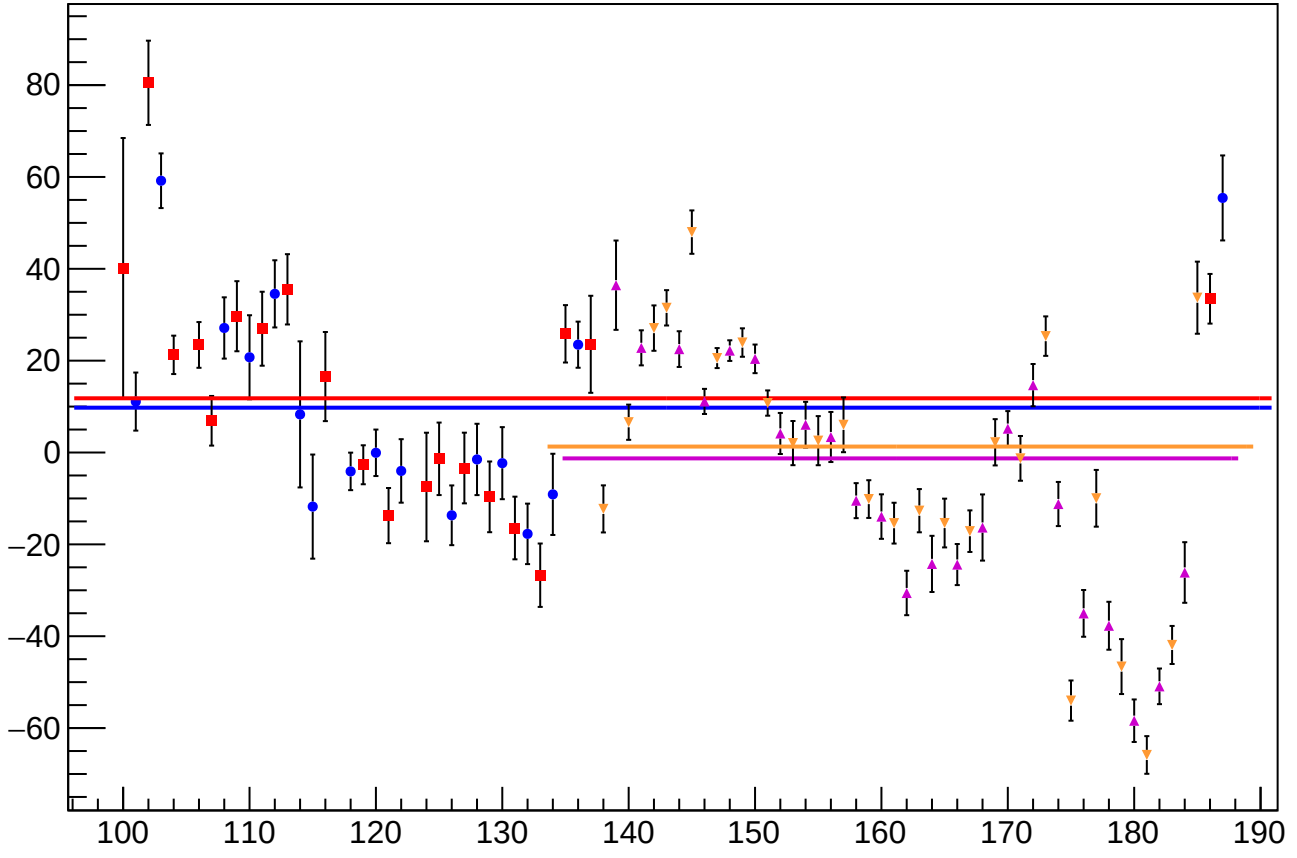
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -247.167+/-0.921 χ^2/NDF: 6011.1/41

All: -245.003+/-0.646 χ^2/NDF: 11456.4/84

- sign -242.902+/-0.907 χ^2/NDF: 5434.4/42

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 9.761+/-1.619 χ^2/NDF: 182.8/16

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 11.807+/-1.480 χ^2/NDF: 204.8/19

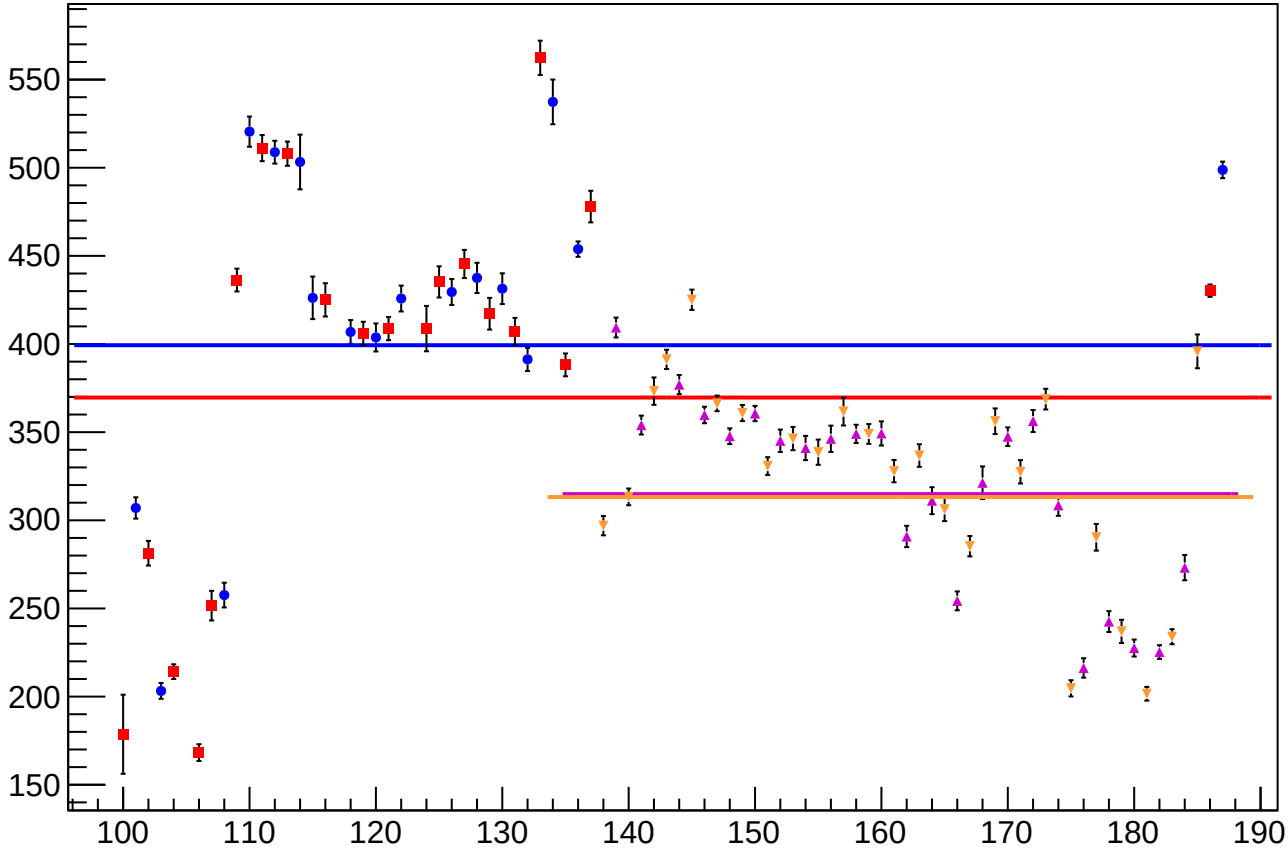
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 3.081+/-0.743 χ^2/NDF: 1253.8/41

All: 2.581+/-0.528 χ^2/NDF: 2328.9/84

- sign 2.074+/-0.749 χ^2/NDF: 1074.1/42

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 399.324+/-1.633 χ^2/NDF: 3885.2/16

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 369.643+/-1.490 χ^2/NDF: 5636.0/19

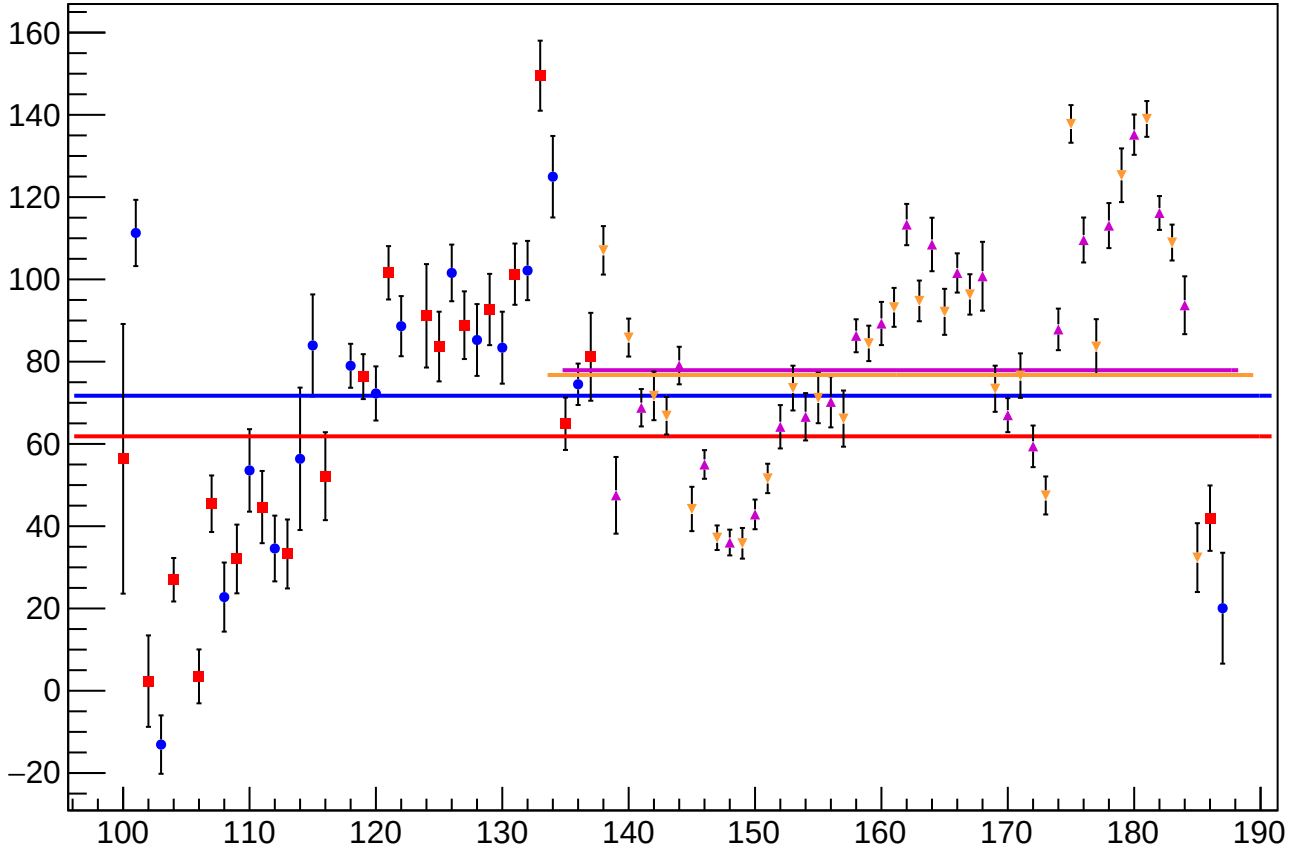
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 341.212+/-0.931 χ^2/NDF: 8897.4/41

All: 338.341+/-0.653 χ^2/NDF: 17821.8/84

- sign 335.564+/-0.916 χ^2/NDF: 8905.8/42

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 71.717+/-1.878 χ^2/NDF: 319.3/16

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 61.849+/-1.751 χ^2/NDF: 410.2/19

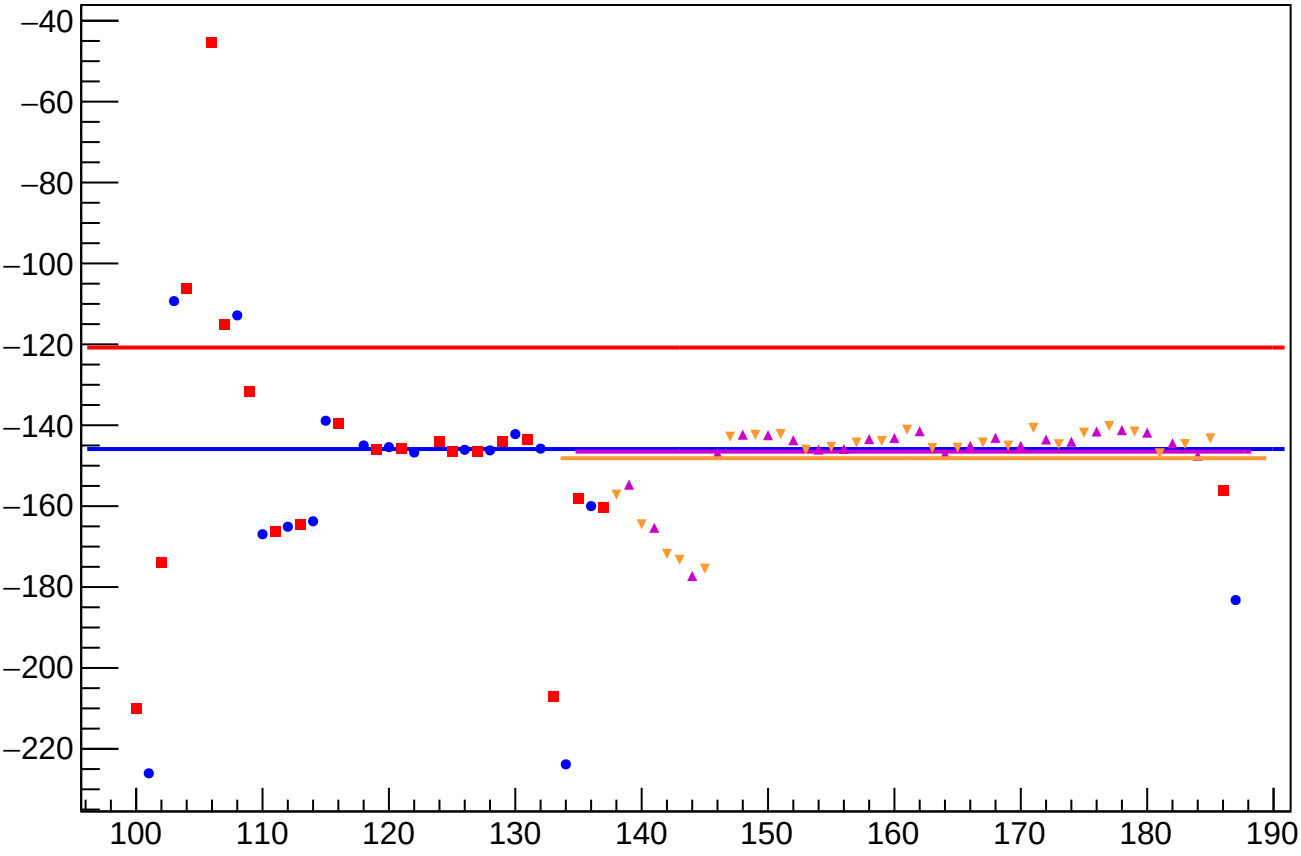
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 75.703+/-0.860 χ^2/NDF: 1360.3/41

All: 74.852+/-0.610 χ^2/NDF: 2620.0/84

- sign 73.988+/-0.866 χ^2/NDF: 1257.7/42

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -145.880+/-0.098 χ^2/NDF: 134547.6/16

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -120.794+/-0.088 χ^2/NDF: 274217.5/19

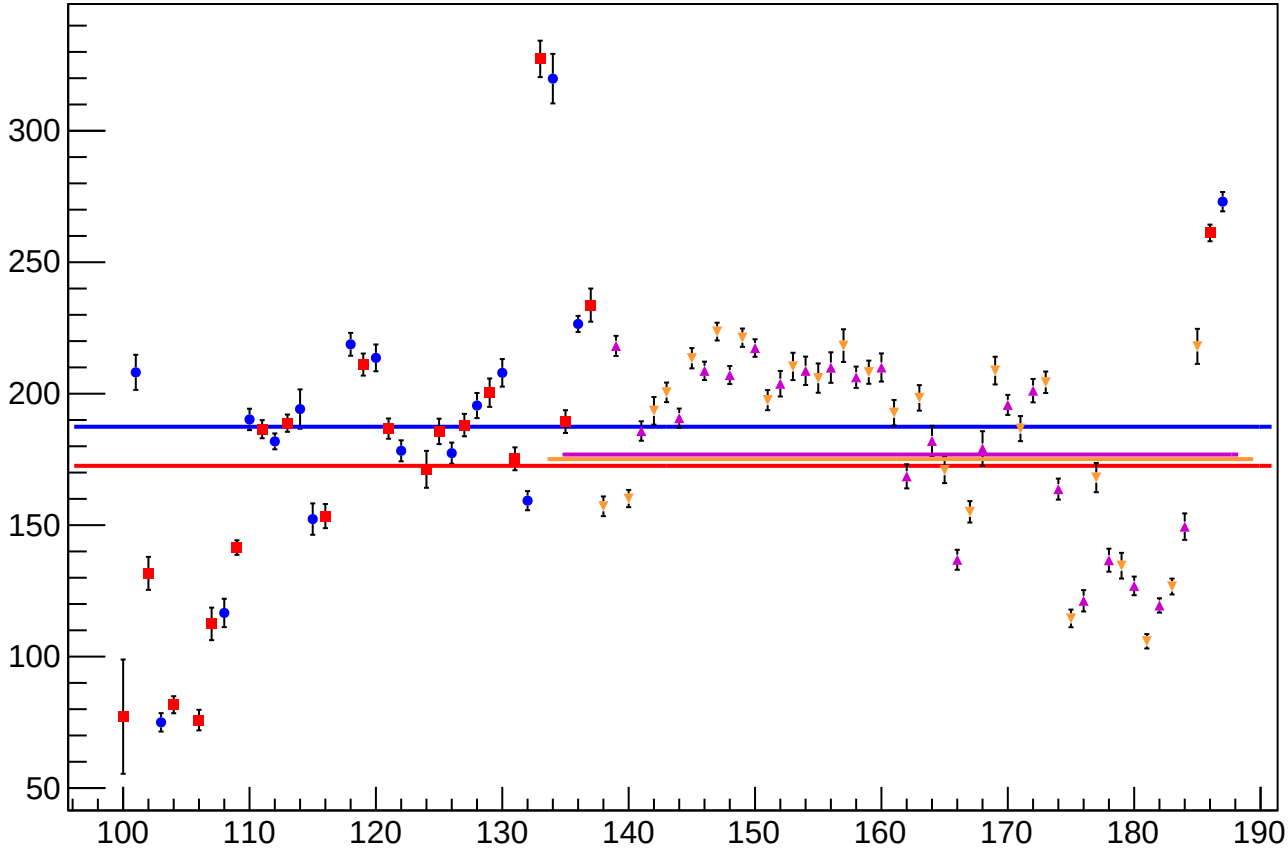
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -147.749+/-0.041 χ^2/NDF: 183903.4/41

All: -144.374+/-0.029 χ^2/NDF: 568247.3/84

- sign -141.078+/-0.040 χ^2/NDF: 370904.2/42

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 187.427+/-1.044 χ^2/NDF: 2322.7/16

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 172.562+/-0.954 χ^2/NDF: 3277.2/19

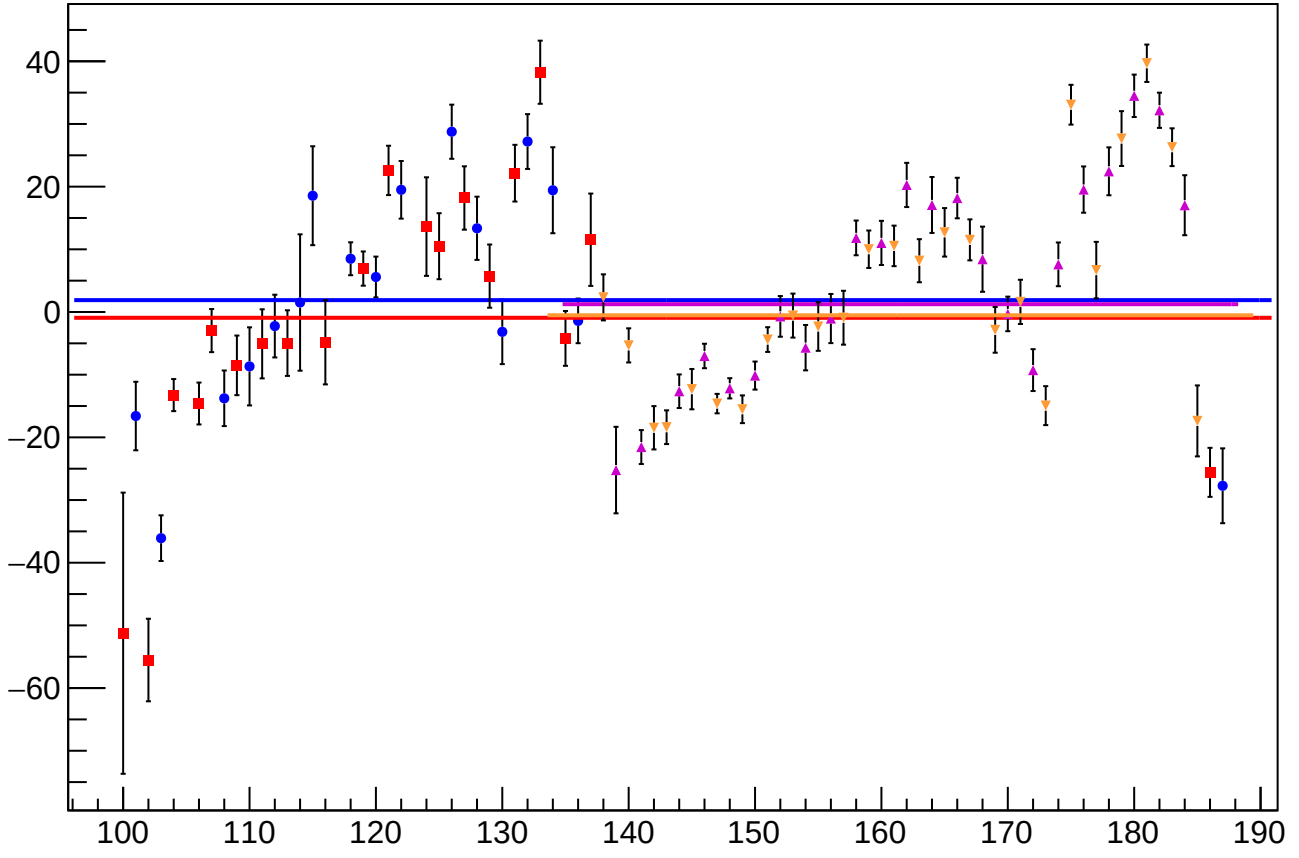
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 179.834+/-0.646 χ^2/NDF: 4703.6/41

All: 177.354+/-0.452 χ^2/NDF: 9777.2/84

- sign 174.967+/-0.633 χ^2/NDF: 5044.7/42

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.893+/-1.086 χ^2/NDF: 273.0/16

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -0.924+/-0.980 χ^2/NDF: 316.0/19

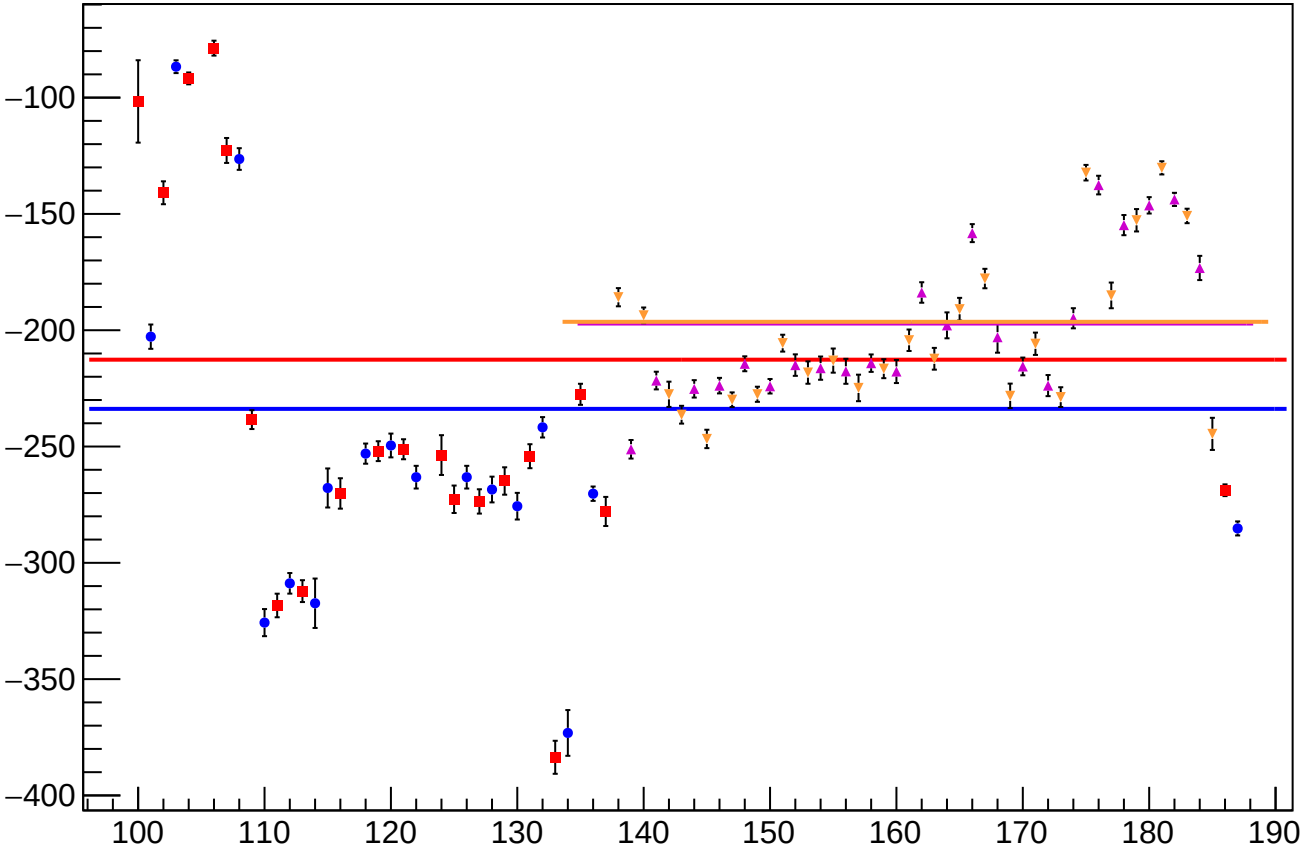
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign 0.043+/-0.526 χ^2/NDF: 1001.2/41

All: 0.329+/-0.372 χ^2/NDF: 1941.9/84

- sign 0.616+/-0.527 χ^2/NDF: 940.1/42

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -233.813+/-1.095 χ^2/NDF: 4872.7/16

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -212.662+/-0.998 χ^2/NDF: 7277.3/19

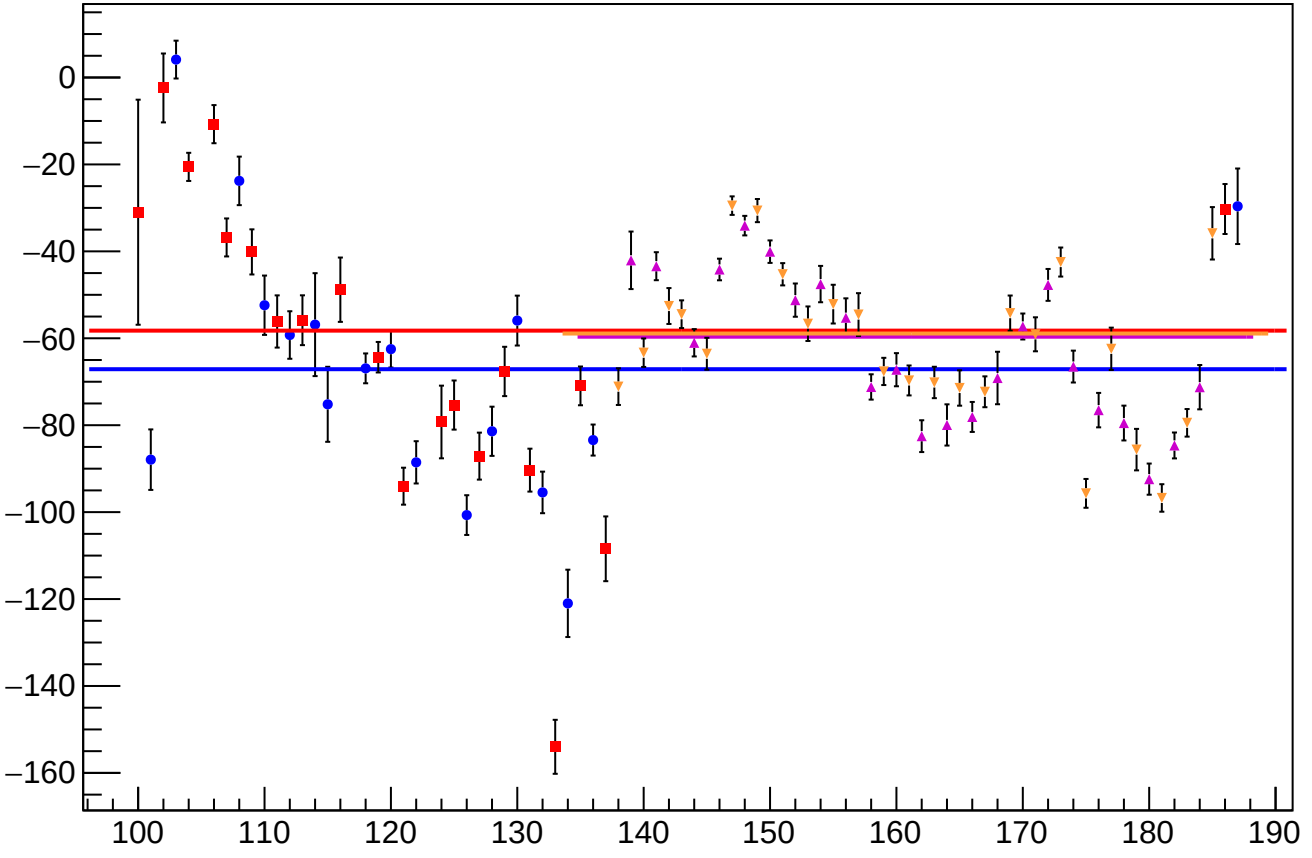
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -209.740+/-0.654 χ^2/NDF: 7621.9/41

All: -206.578+/-0.458 χ^2/NDF: 16688.8/84

- sign -203.538+/-0.641 χ^2/NDF: 9021.0/42

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -67.116+/-1.264 χ^2/NDF: 553.1/16

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -58.241+/-1.160 χ^2/NDF: 819.6/19

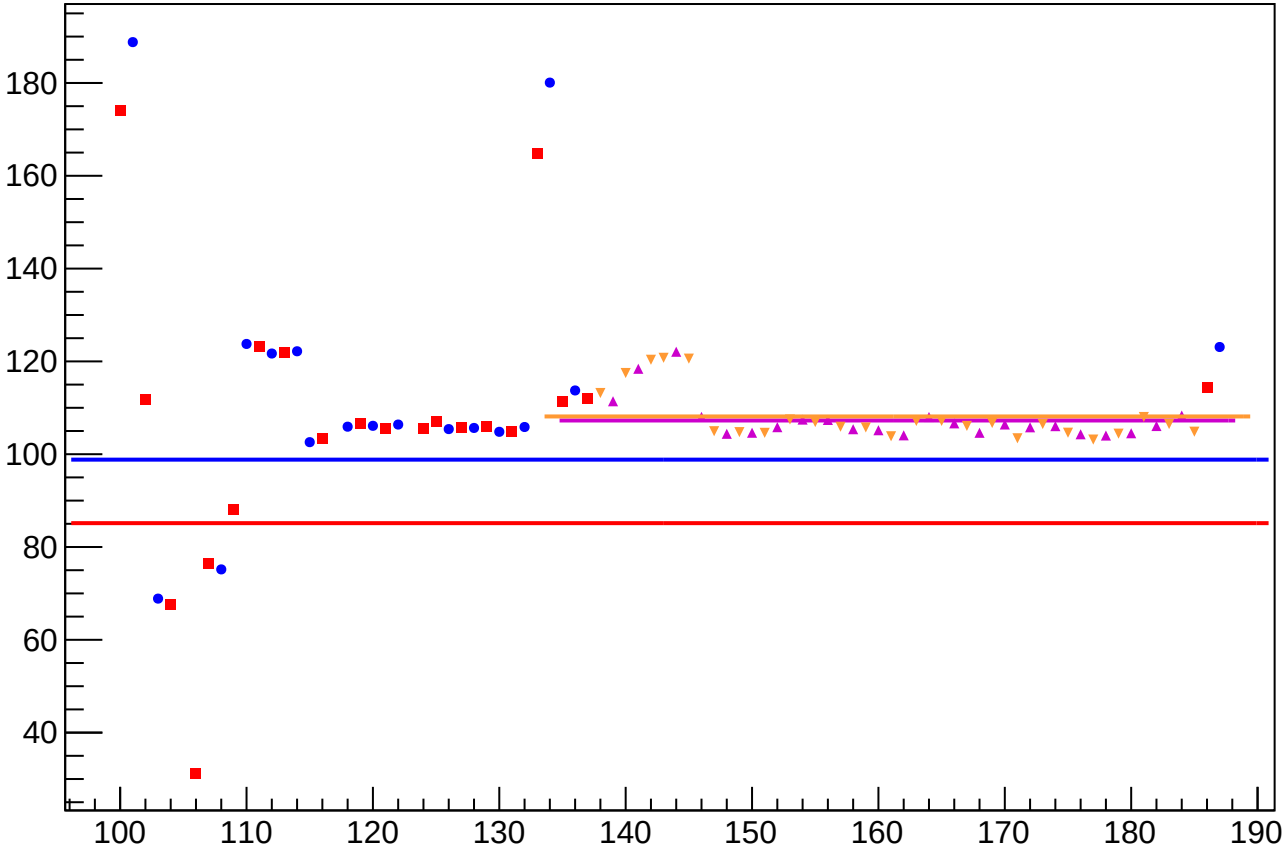
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -60.813+/-0.609 χ^2/NDF: 1367.9/41

All: -60.034+/-0.431 χ^2/NDF: 2788.8/84

- sign -59.250+/-0.611 χ^2/NDF: 1417.6/42

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 98.828+/-0.065 χ^2/NDF: 230973.4/16

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 85.141+/-0.060 χ^2/NDF: 274009.7/19

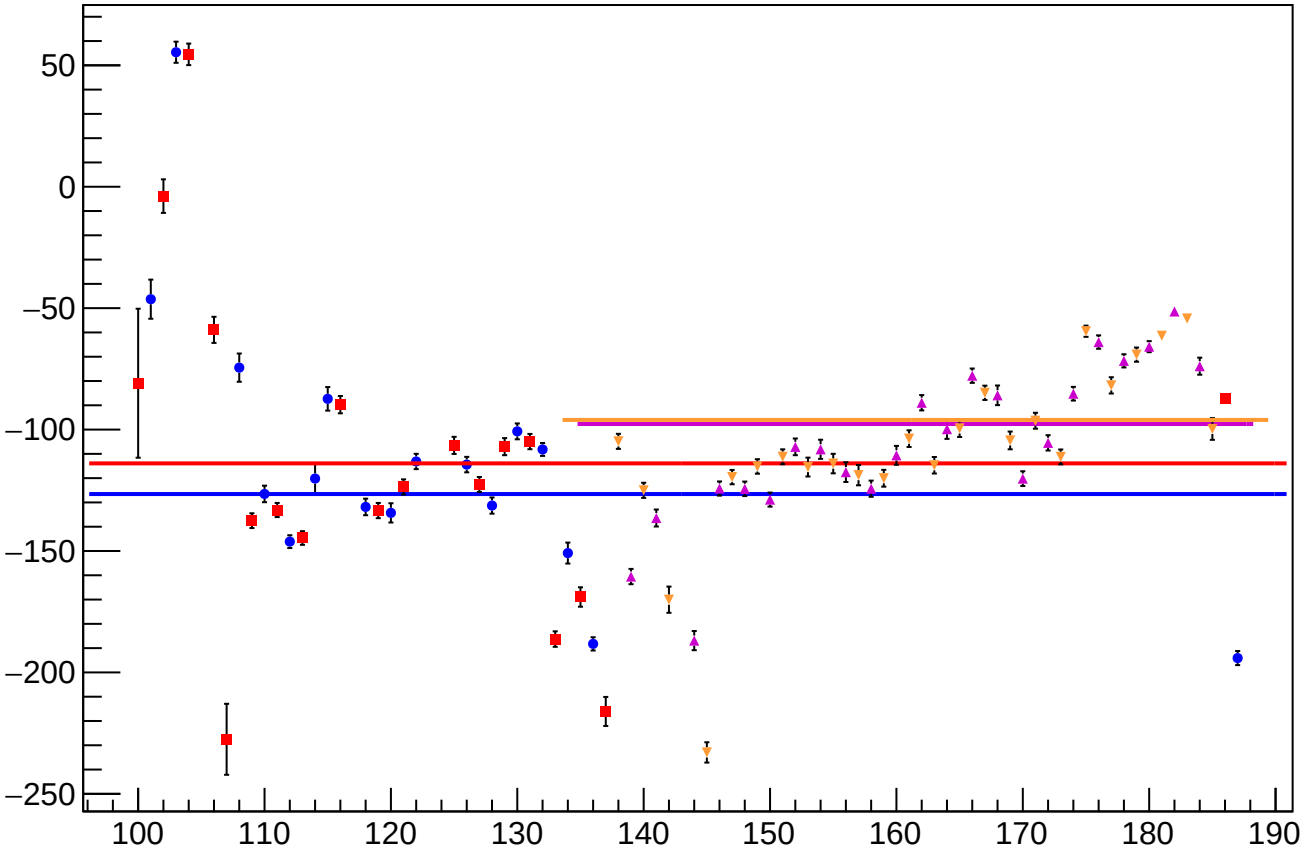
Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 106.298+/-0.029 χ^2/NDF: 273634.5/41

All: 104.212+/-0.020 χ^2/NDF: 679396.3/84

- sign 102.165+/-0.029 χ^2/NDF: 395561.1/42

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -126.549+/-0.851 χ^2/NDF: 3285.1/16

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

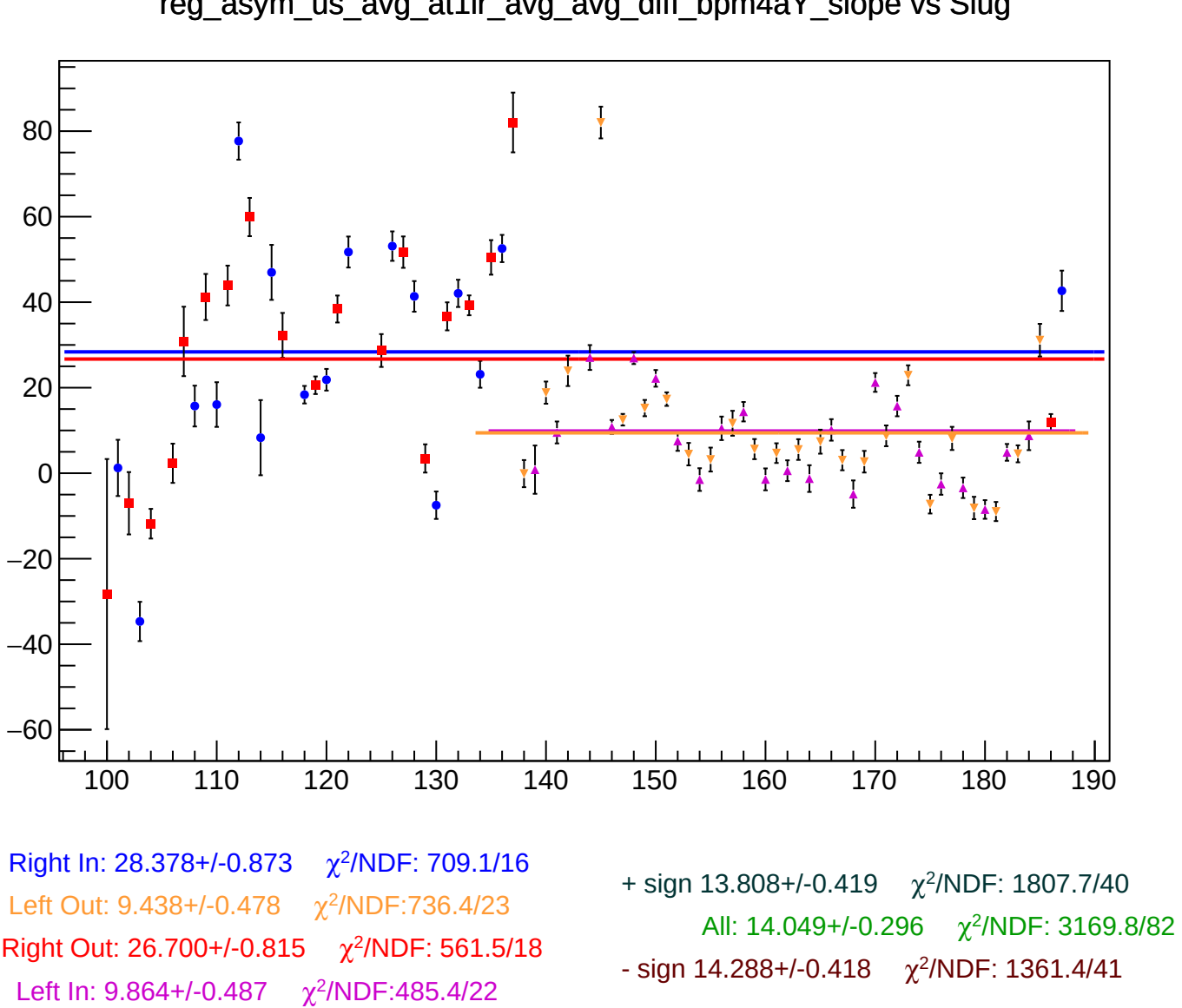
Right Out: -113.918+/-0.773 χ^2/NDF: 3459.5/18

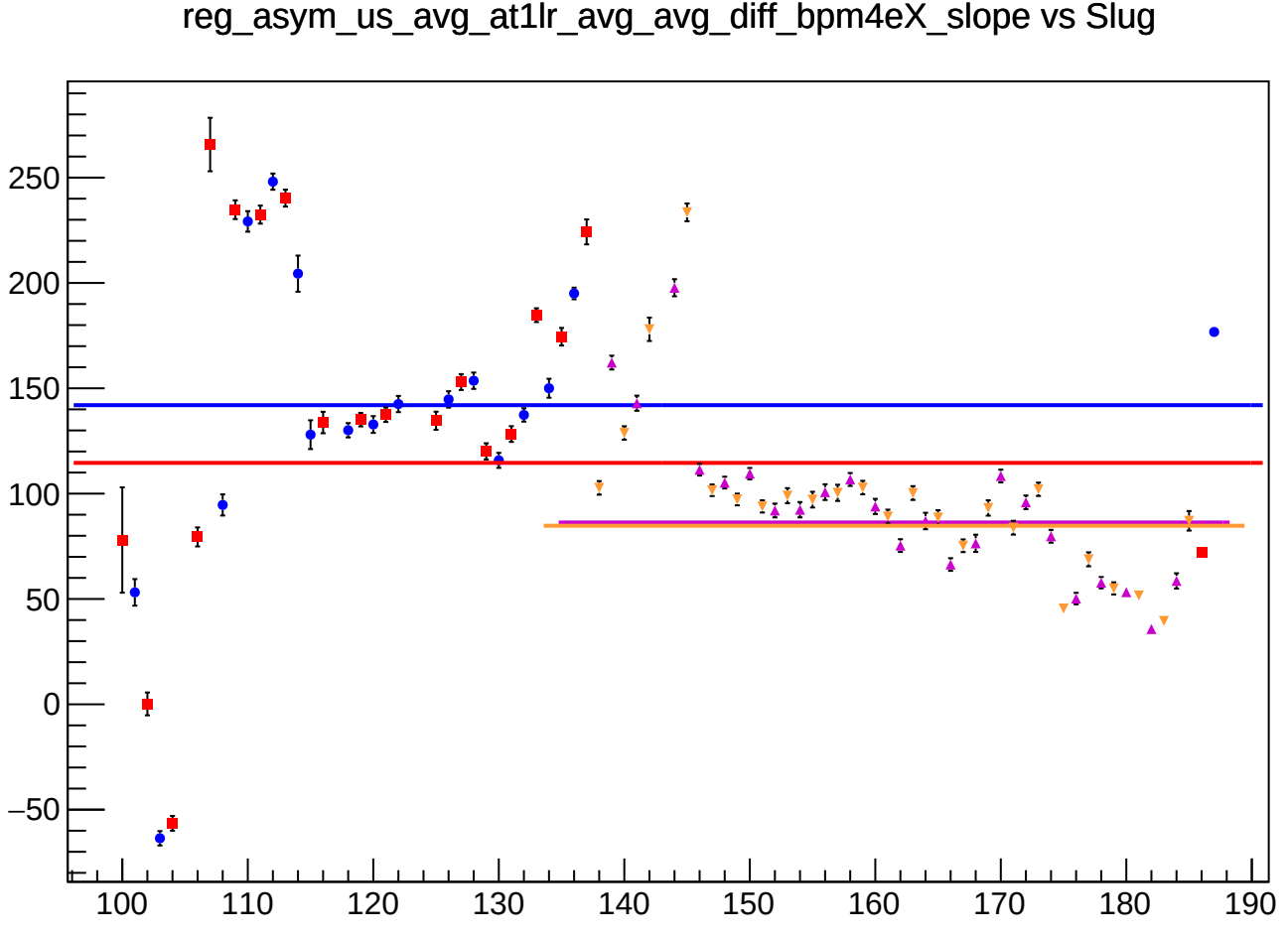
Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -106.935+/-0.509 χ^2/NDF: 6882.1/40

All: -105.567+/-0.354 χ^2/NDF: 13257.8/82

\- sign -104.287+/-0.492 χ^2/NDF: 6361.7/41


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 28.378+/-0.873 χ²/NDF: 709.1/16
Left Out: 9.438+/-0.478 χ²/NDF:736.4/23
Right Out: 26.700+/-0.815 χ²/NDF: 561.5/18
Left In: 9.864+/-0.487 χ²/NDF:485.4/22
+ sign 13.808+/-0.419 χ²/NDF: 1807.7/40
All: 14.049+/-0.296 χ²/NDF: 3169.8/82
- sign 14.288+/-0.418 χ²/NDF: 1361.4/41



Right In: 141.992+/-0.921 χ^2/NDF: 5714.1/16

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

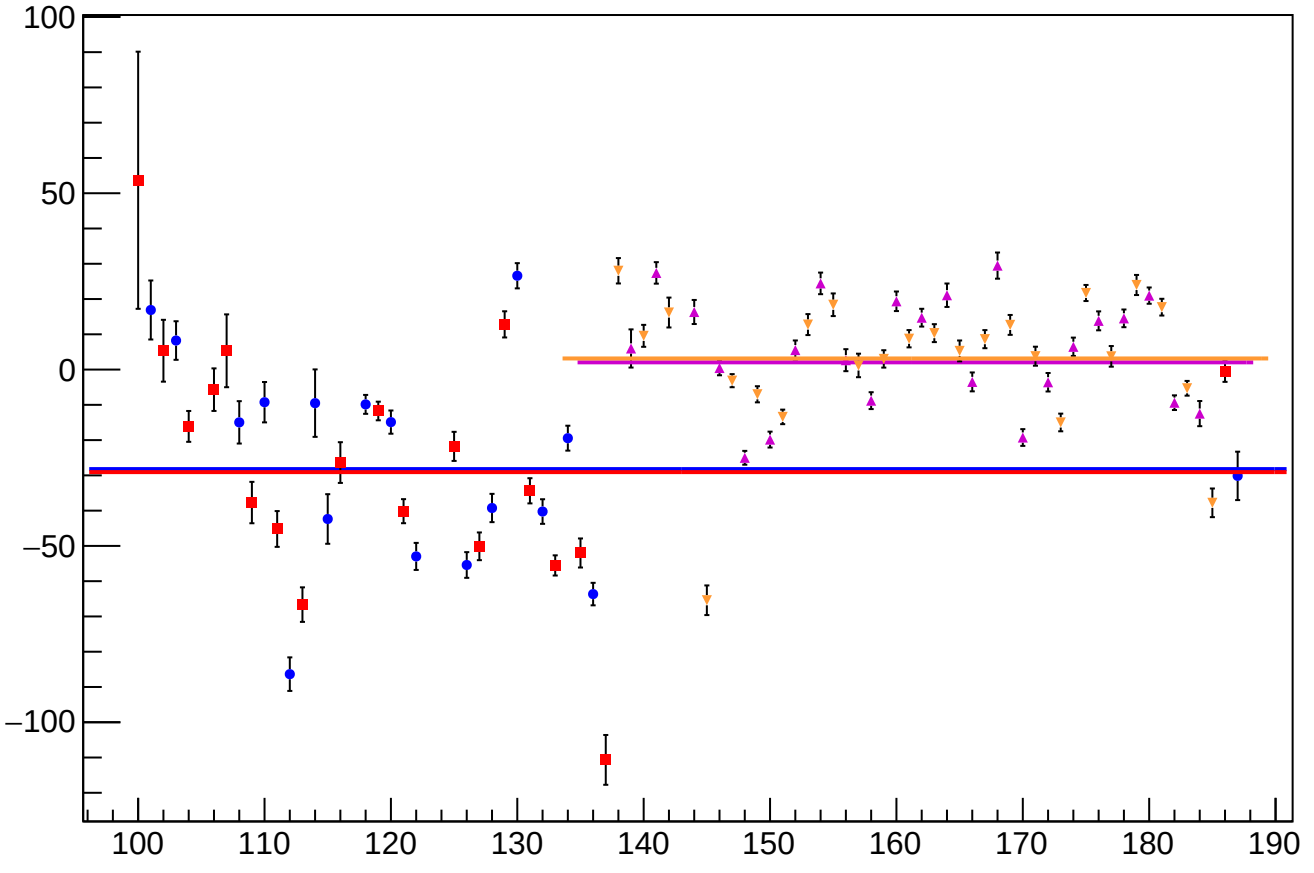
Right Out: 114.601+/-0.795 χ^2/NDF: 7788.4/18

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 102.972+/-0.519 χ^2/NDF: 11458.1/40

All: 99.973+/-0.358 χ^2/NDF: 23239.4/82

\- sign 97.253+/-0.495 χ^2/NDF: 11717.7/41



Right In: -28.218+/-1.011 χ^2/NDF: 791.3/16

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

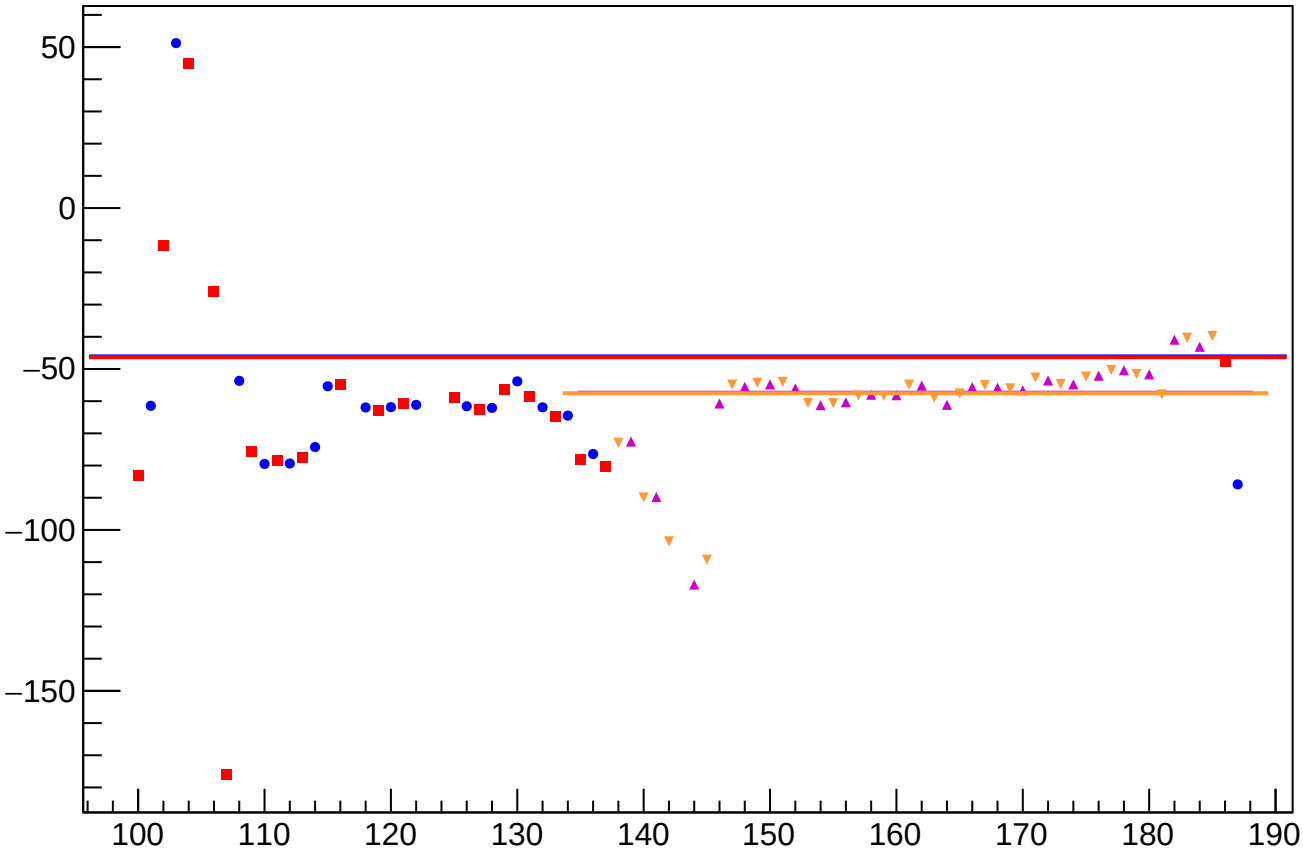
Right Out: -29.074+/-0.971 χ^2/NDF: 683.3/18

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.886+/-0.479 χ^2/NDF: 2351.8/40

All: -4.705+/-0.339 χ^2/NDF: 4668.4/82

- sign -5.526+/-0.479 χ^2/NDF: 2310.8/41



Right In: -46.095+/-0.059 χ^2/NDF: 586328.7/16

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -46.335+/-0.060 χ^2/NDF: 493653.0/18

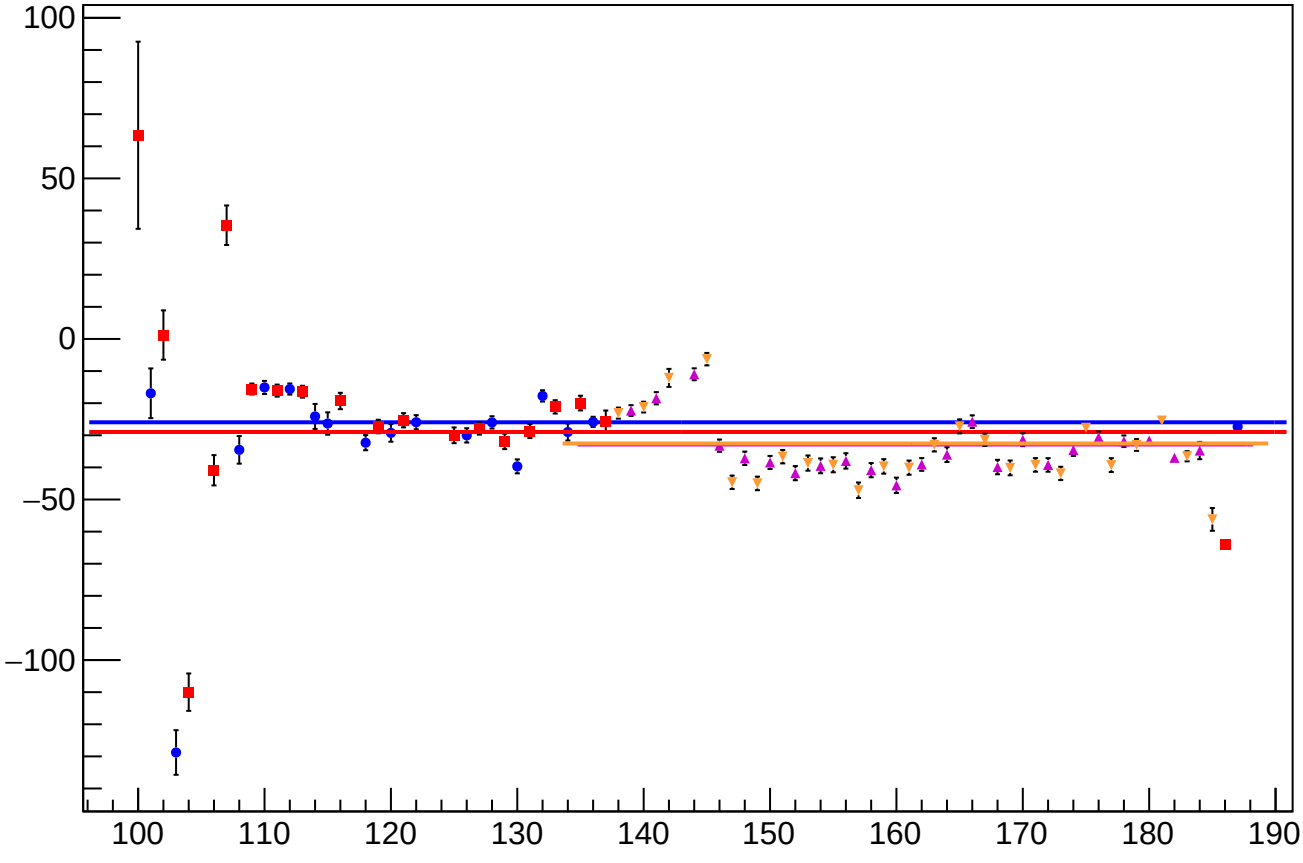
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.838+/-0.023 χ^2/NDF: 884944.2/40

All: -55.806+/-0.016 χ^2/NDF: 1634628.7/82

- sign -55.773+/-0.023 χ^2/NDF: 749680.4/41

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -25.954+/-0.546 χ^2/NDF: 364.1/16

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -28.970+/-0.538 χ^2/NDF: 1149.3/18

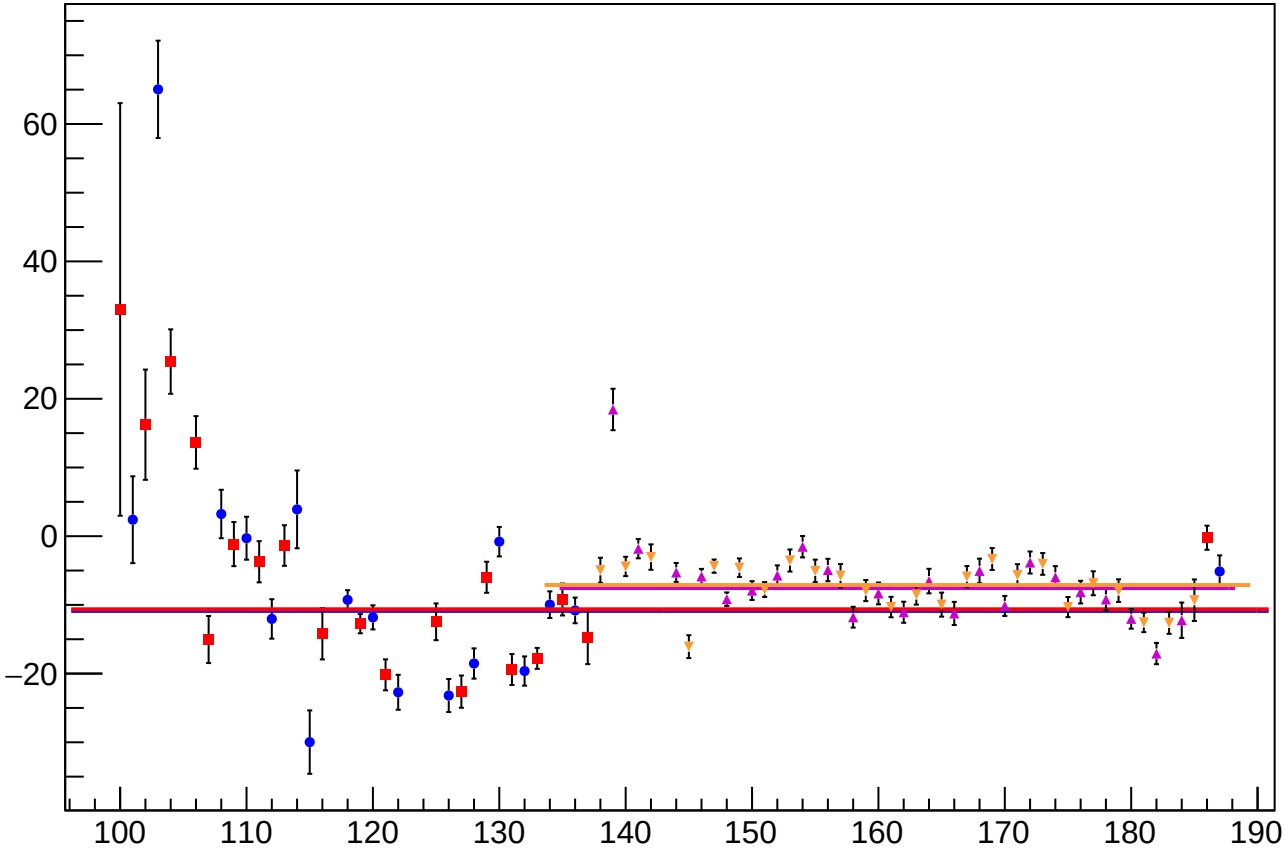
Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -30.195+/-0.326 χ^2/NDF: 1061.6/40

All: -30.811+/-0.231 χ^2/NDF: 2624.4/82

\- sign -31.431+/-0.327 χ^2/NDF: 1555.6/41

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -10.869+/-0.581 χ^2/NDF: 277.5/16

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -10.643+/-0.574 χ^2/NDF: 263.9/18

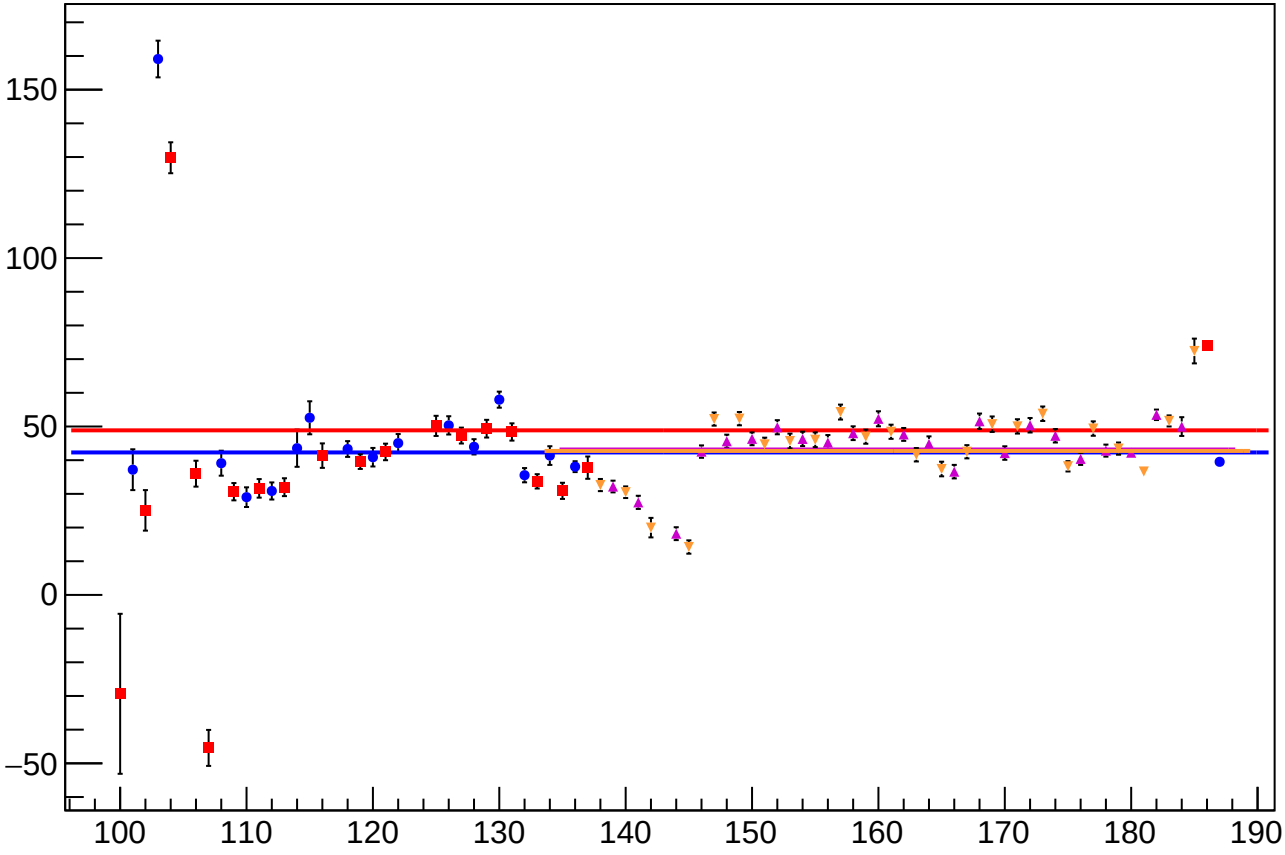
Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -7.939+/-0.273 χ^2/NDF: 419.6/40

All: -8.100+/-0.194 χ^2/NDF: 906.4/82

- sign -8.265+/-0.276 χ^2/NDF: 486.1/41

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: 42.298+/-0.587 χ^2/NDF: 583.4/16

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

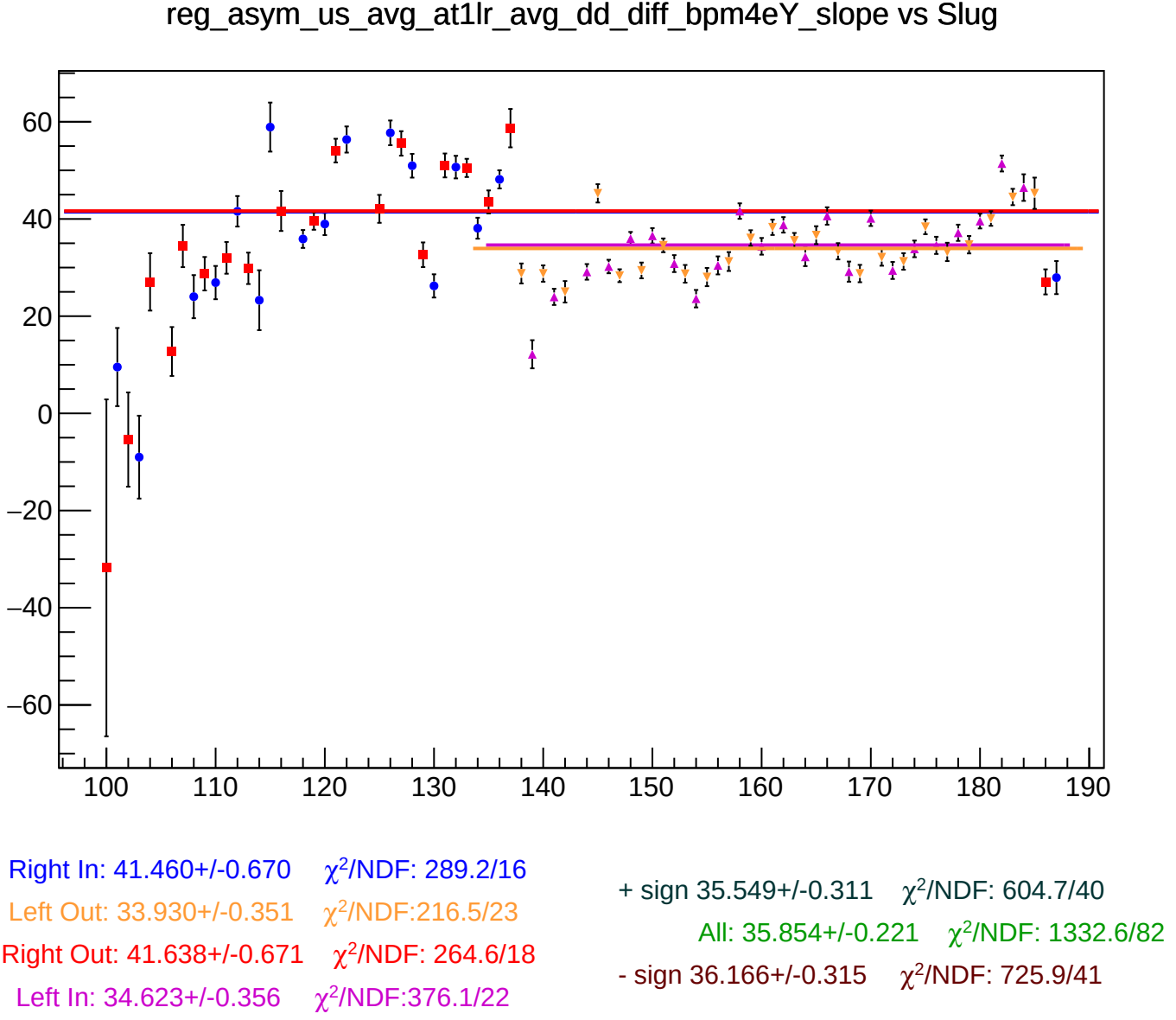
Right Out: 48.859+/-0.586 χ^2/NDF: 1438.1/18

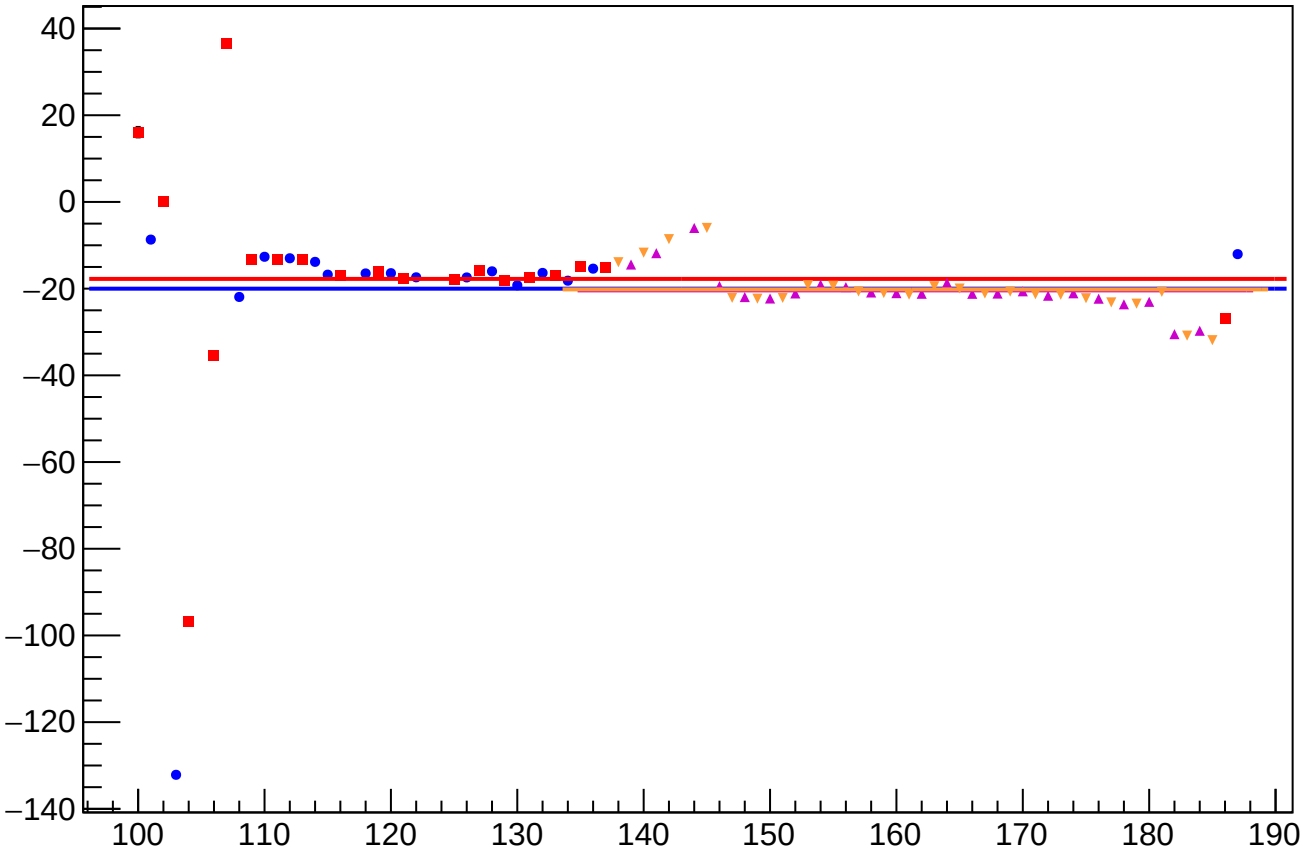
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 42.602+/-0.332 χ^2/NDF: 1215.3/40

All: 43.805+/-0.236 χ^2/NDF: 3156.4/82

- sign 45.022+/-0.334 χ^2/NDF: 1914.7/41


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 41.460+/-0.670 χ²/NDF: 289.2/16
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 41.638+/-0.671 χ²/NDF: 264.6/18
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
+ sign 35.549+/-0.311 χ²/NDF: 604.7/40
All: 35.854+/-0.221 χ²/NDF: 1332.6/82
- sign 36.166+/-0.315 χ²/NDF: 725.9/41



Right In: -20.007+/-0.041 χ^2/NDF: 247508.8/16

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -17.753+/-0.043 χ^2/NDF: 207200.9/18

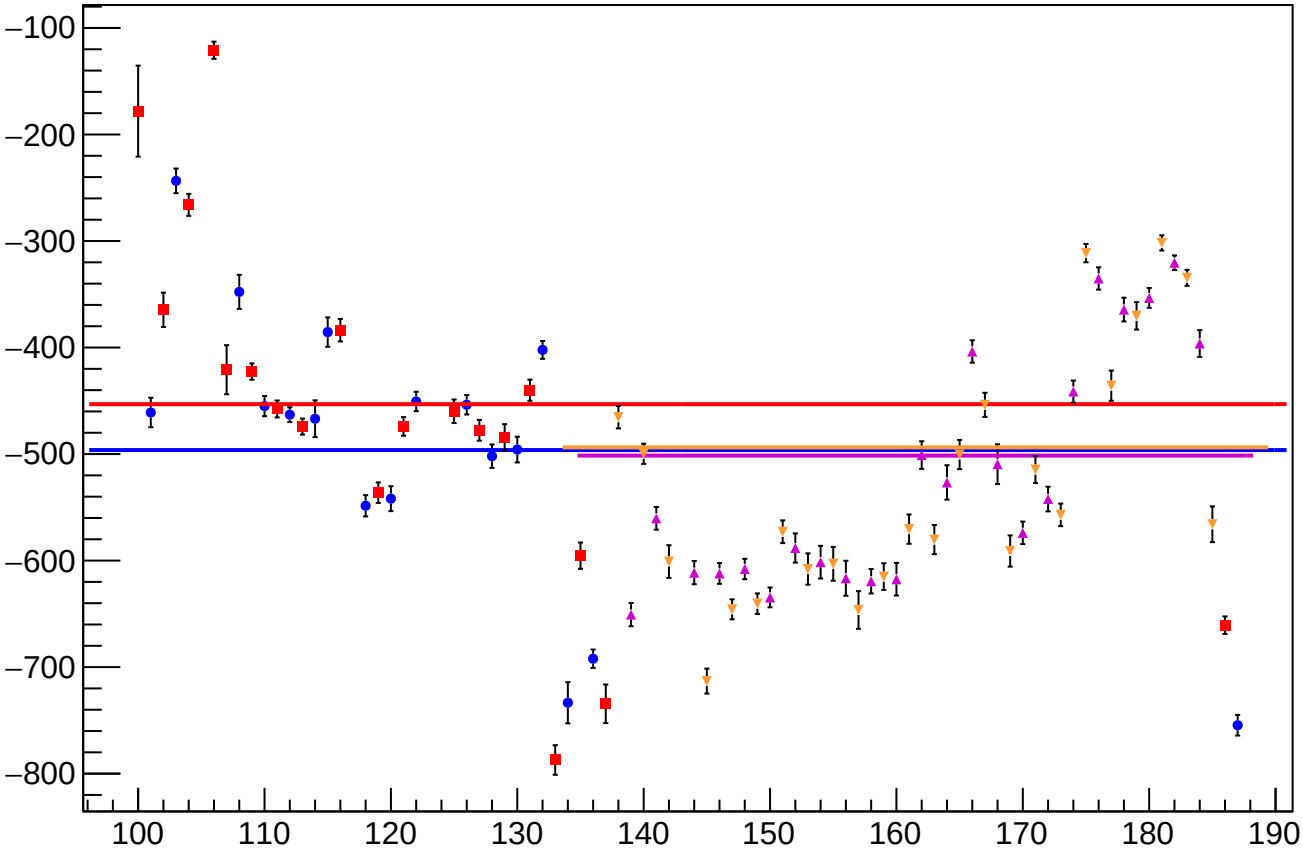
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -20.152+/-0.015 χ^2/NDF: 347470.5/40

All: -20.117+/-0.010 χ^2/NDF: 639183.3/82

- sign -20.081+/-0.015 χ^2/NDF: 291701.2/41

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -496.256+/-2.541 χ^2/NDF: 2270.8/16

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -453.159+/-2.360 χ^2/NDF: 3859.6/18

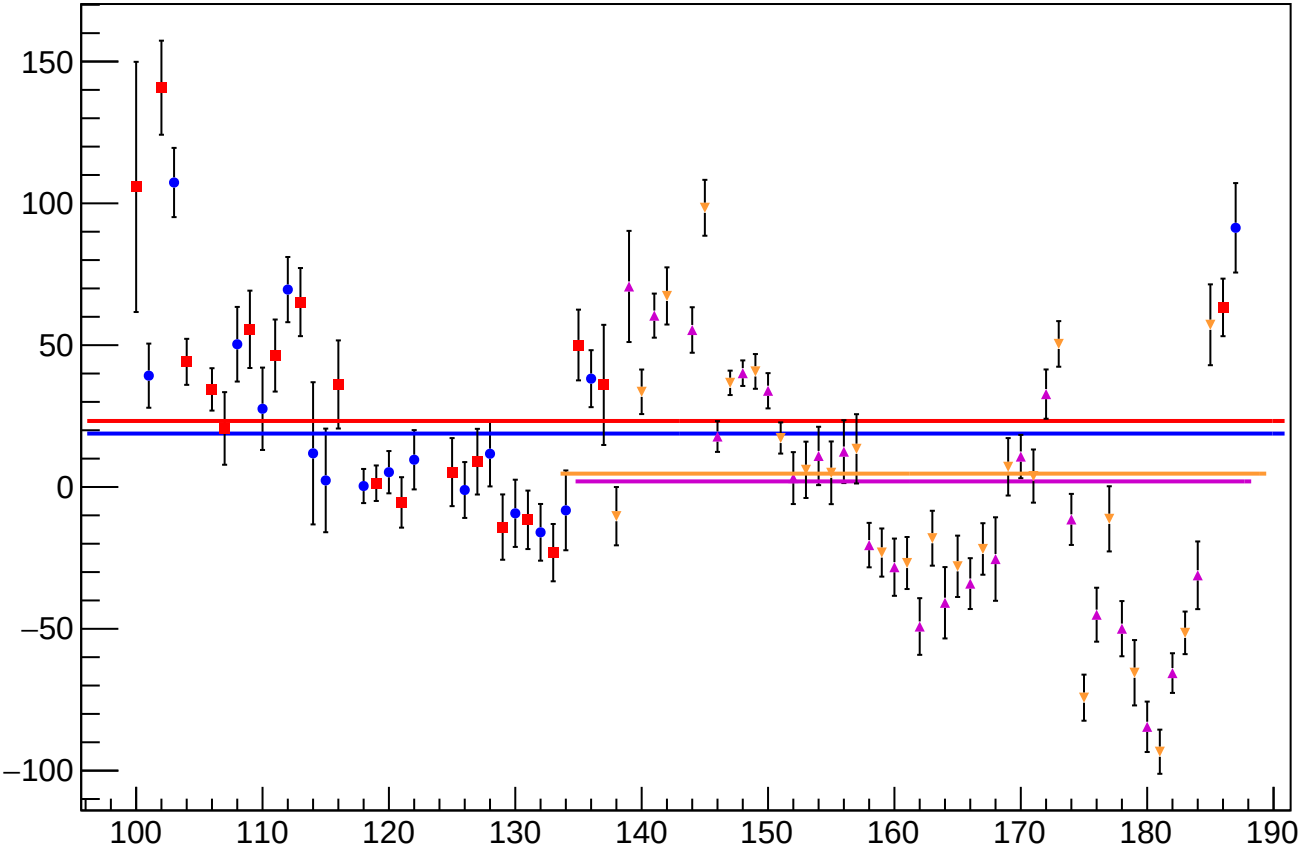
Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -494.860+/-1.703 χ^2/NDF: 5421.3/40

All: -486.079+/-1.185 χ^2/NDF: 12235.7/82

- sign -477.844+/-1.649 χ^2/NDF: 6762.8/41

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 18.835+/-2.617 χ^2/NDF: 146.7/16

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

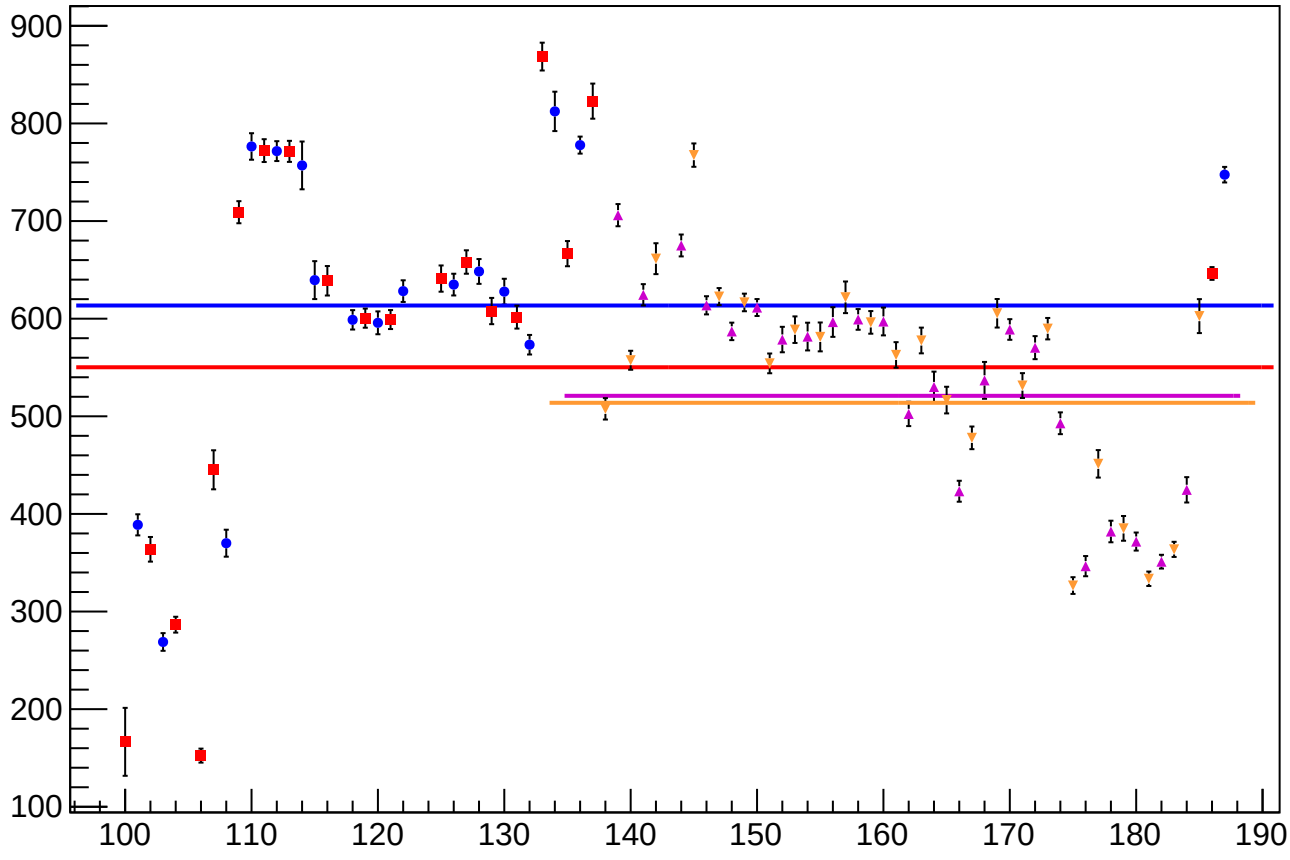
Right Out: 23.274+/-2.472 χ^2/NDF: 174.5/18

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 8.885+/-1.423 χ^2/NDF: 847.6/40

All: 8.908+/-1.003 χ^2/NDF: 1632.9/82

- sign 8.932+/-1.413 χ^2/NDF: 785.3/41



Right In: 613.493+/-2.750 χ^2/NDF: 3380.3/16

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

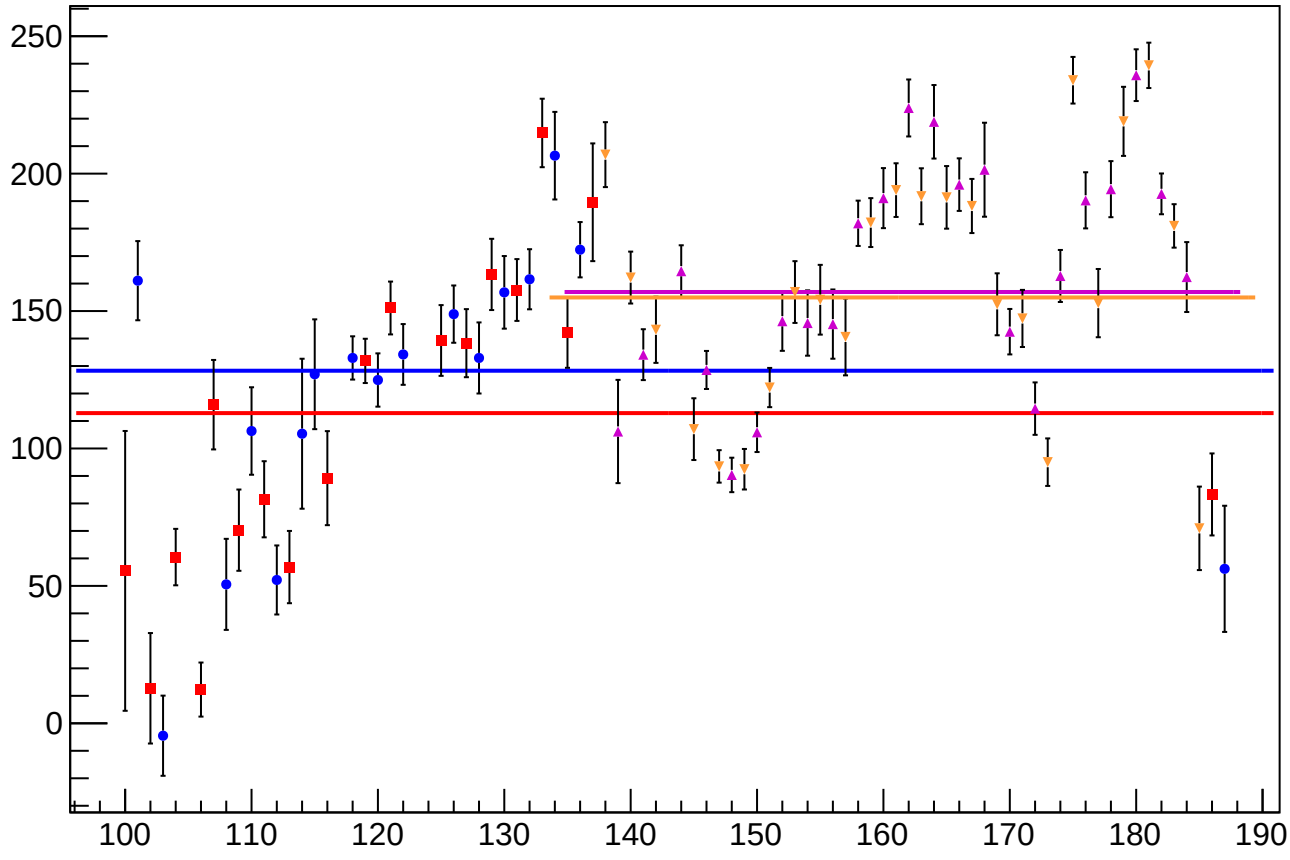
Right Out: 550.236+/-2.532 χ^2/NDF: 6757.0/18

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 554.367+/-1.754 χ^2/NDF: 6895.0/40

All: 543.896+/-1.219 χ^2/NDF: 16237.3/82

- sign 534.108+/-1.696 χ^2/NDF: 9273.4/41



Right In: 128.288+/-3.053 χ^2/NDF: 221.3/16

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

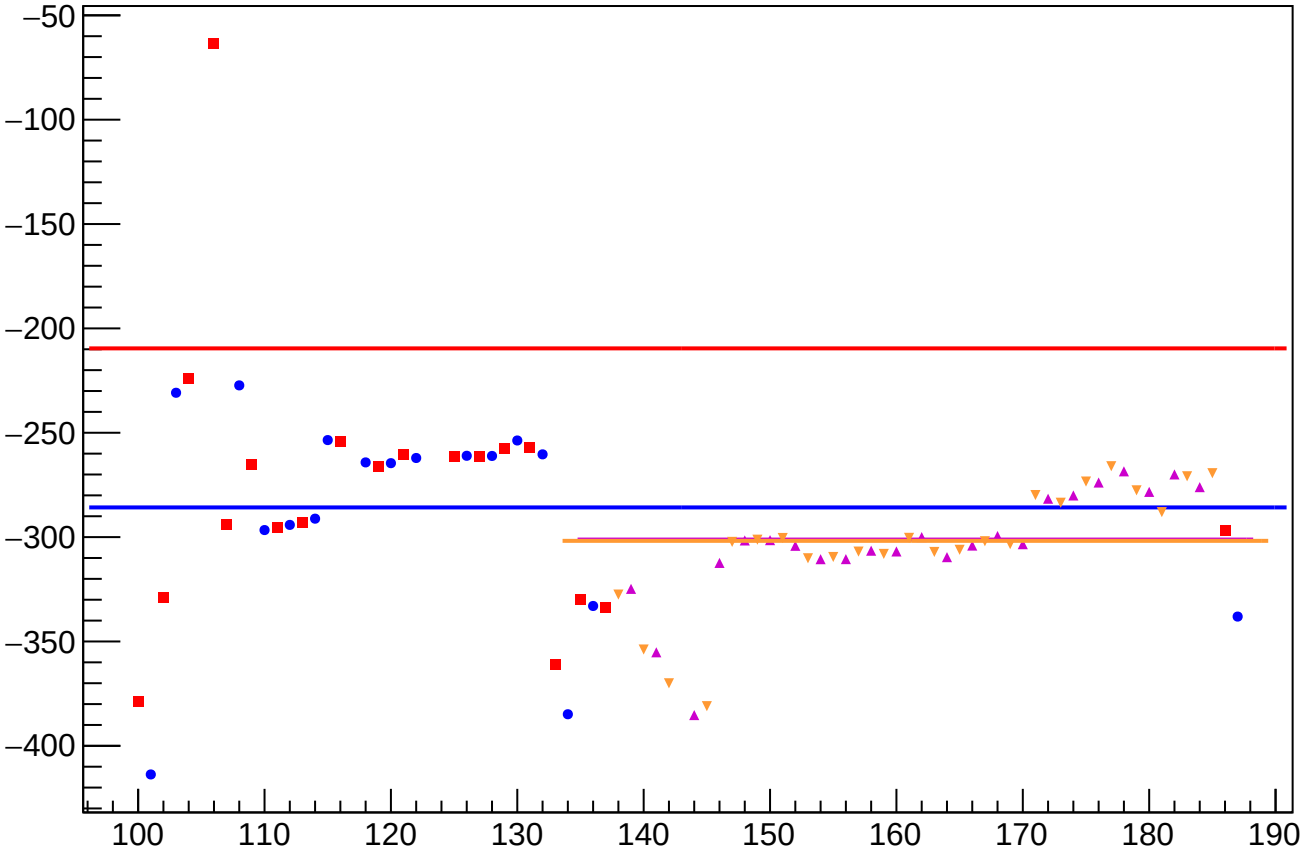
Right Out: 112.870+/-2.919 χ^2/NDF: 340.0/18

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 147.204+/-1.645 χ^2/NDF: 884.3/40

All: 145.153+/-1.159 χ^2/NDF: 1827.2/82

- sign 143.131+/-1.634 χ^2/NDF: 939.7/41



Right In: -285.771+/-0.176 χ^2/NDF: 106072.2/16

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -209.575+/-0.147 χ^2/NDF: 543550.2/18

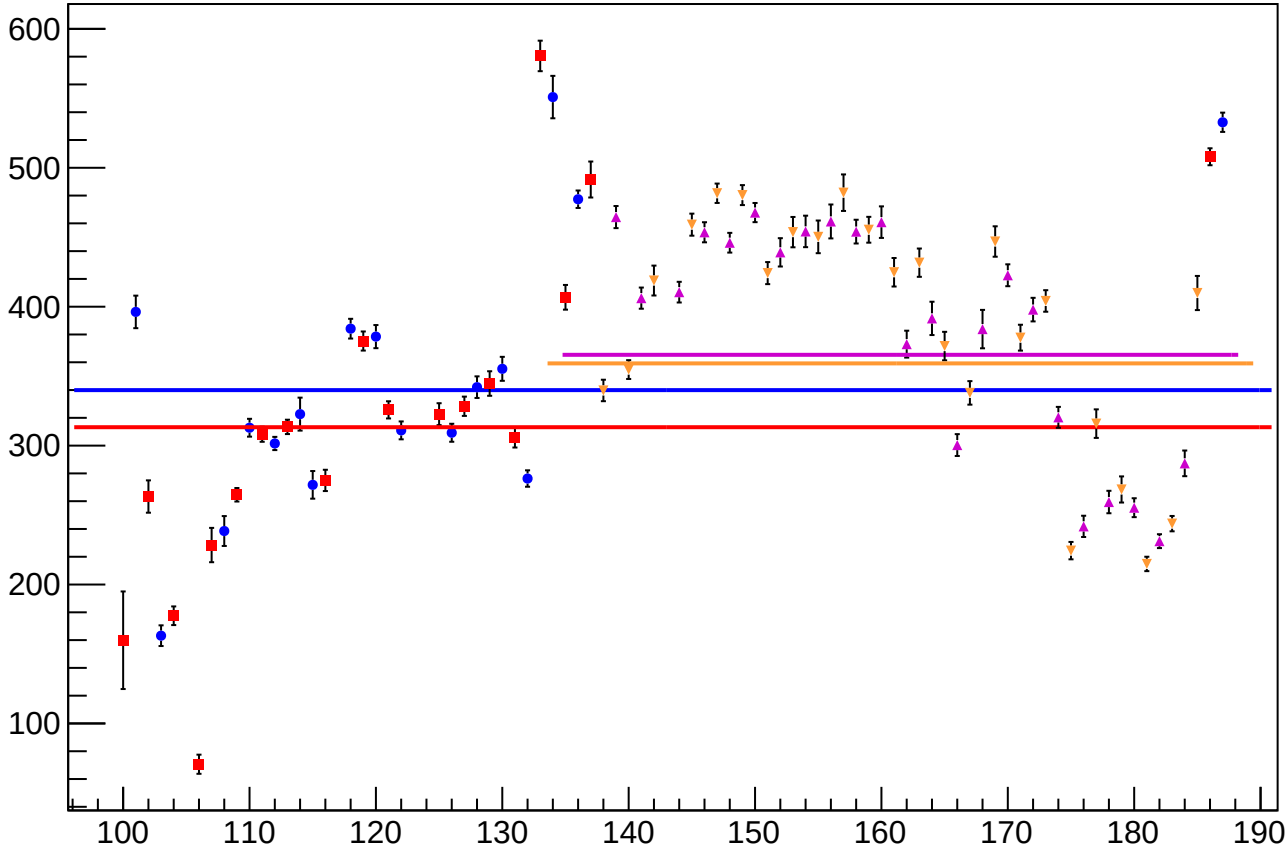
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -298.416+/-0.081 χ^2/NDF: 199338.2/40

All: -286.816+/-0.056 χ^2/NDF: 1138875.0/82

- sign -276.295+/-0.077 χ^2/NDF: 900111.8/41

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 339.949+/-1.794 χ^2/NDF: 2471.0/16

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

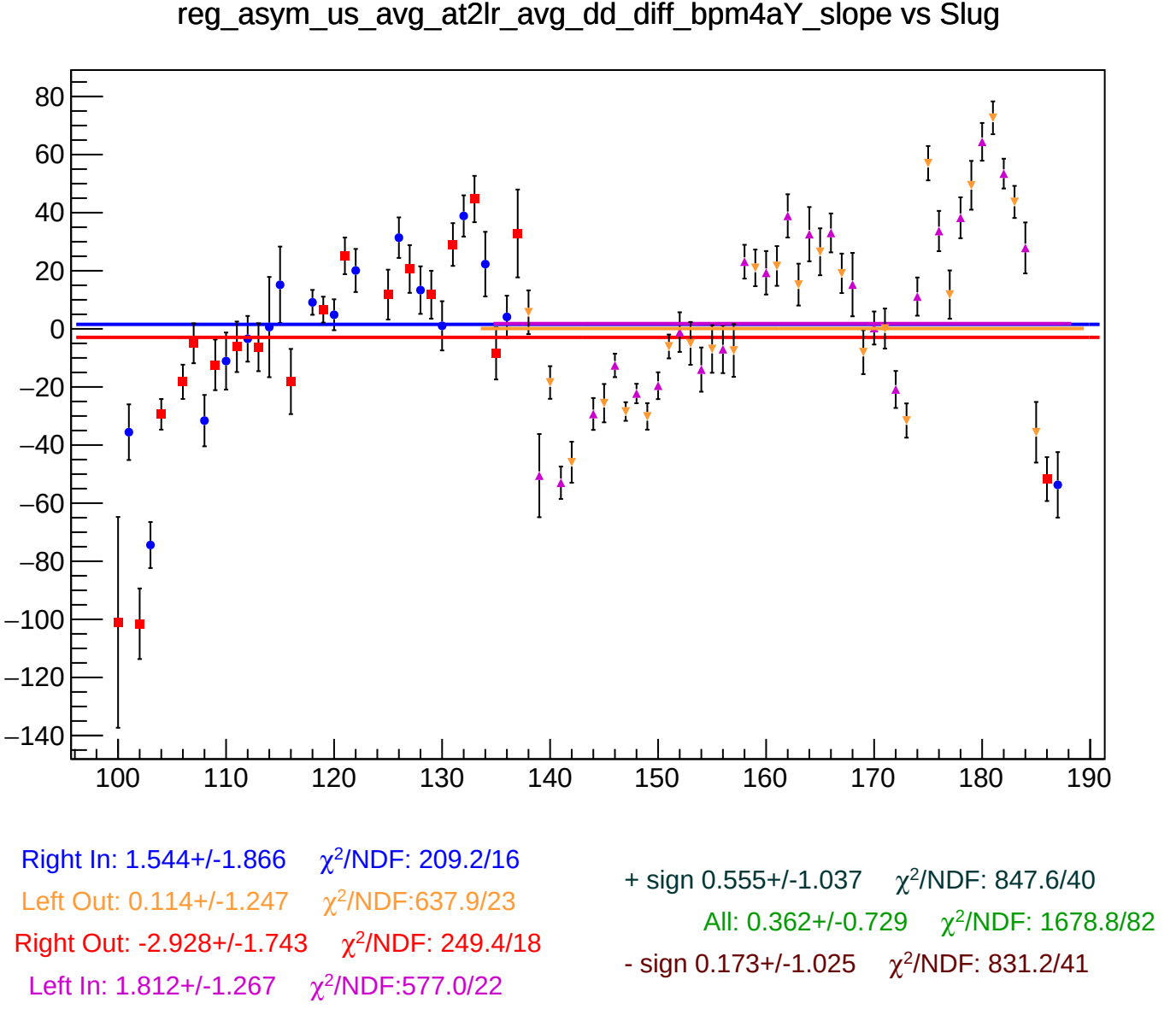
Right Out: 313.255+/-1.669 χ^2/NDF: 3874.4/18

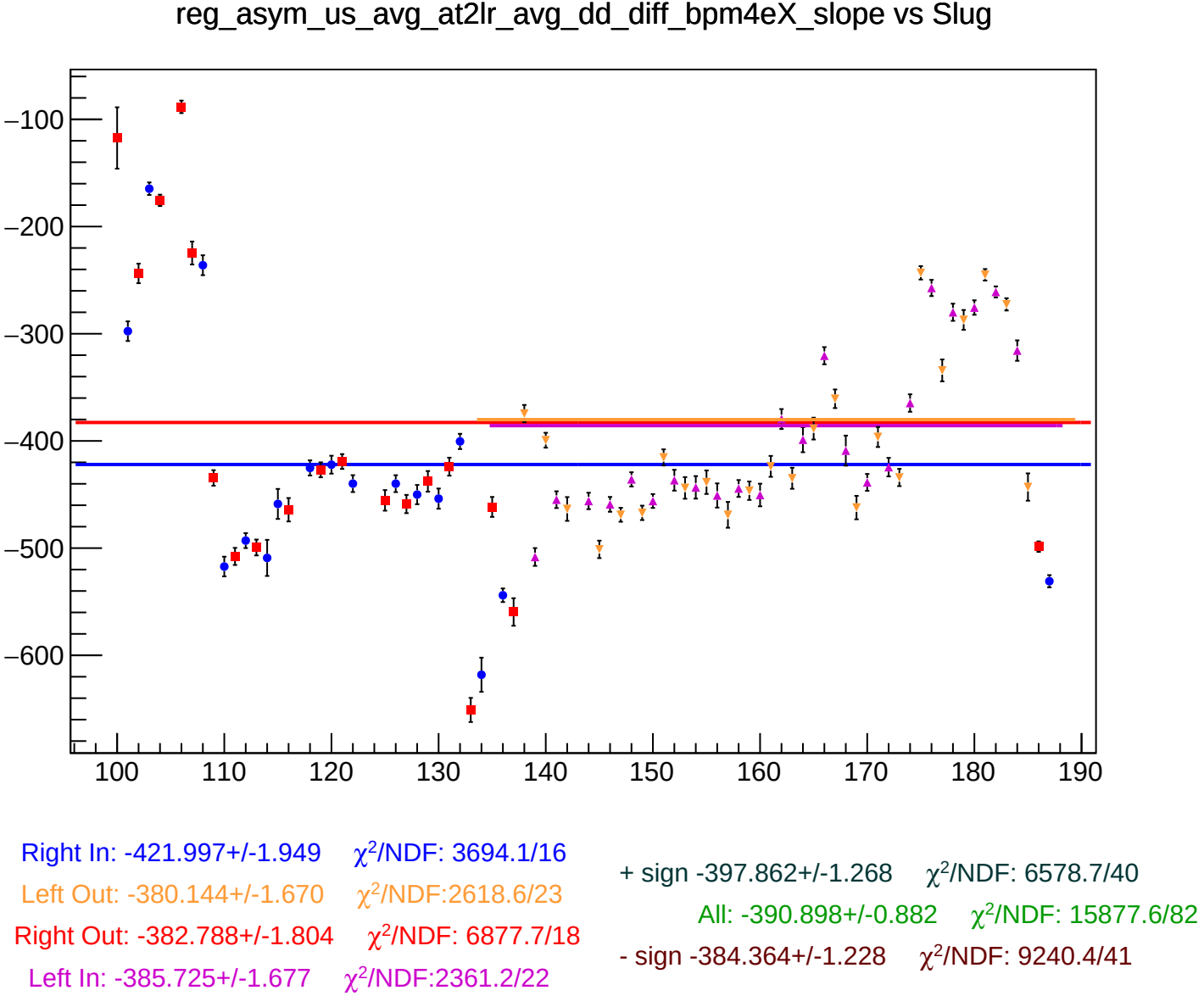
Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

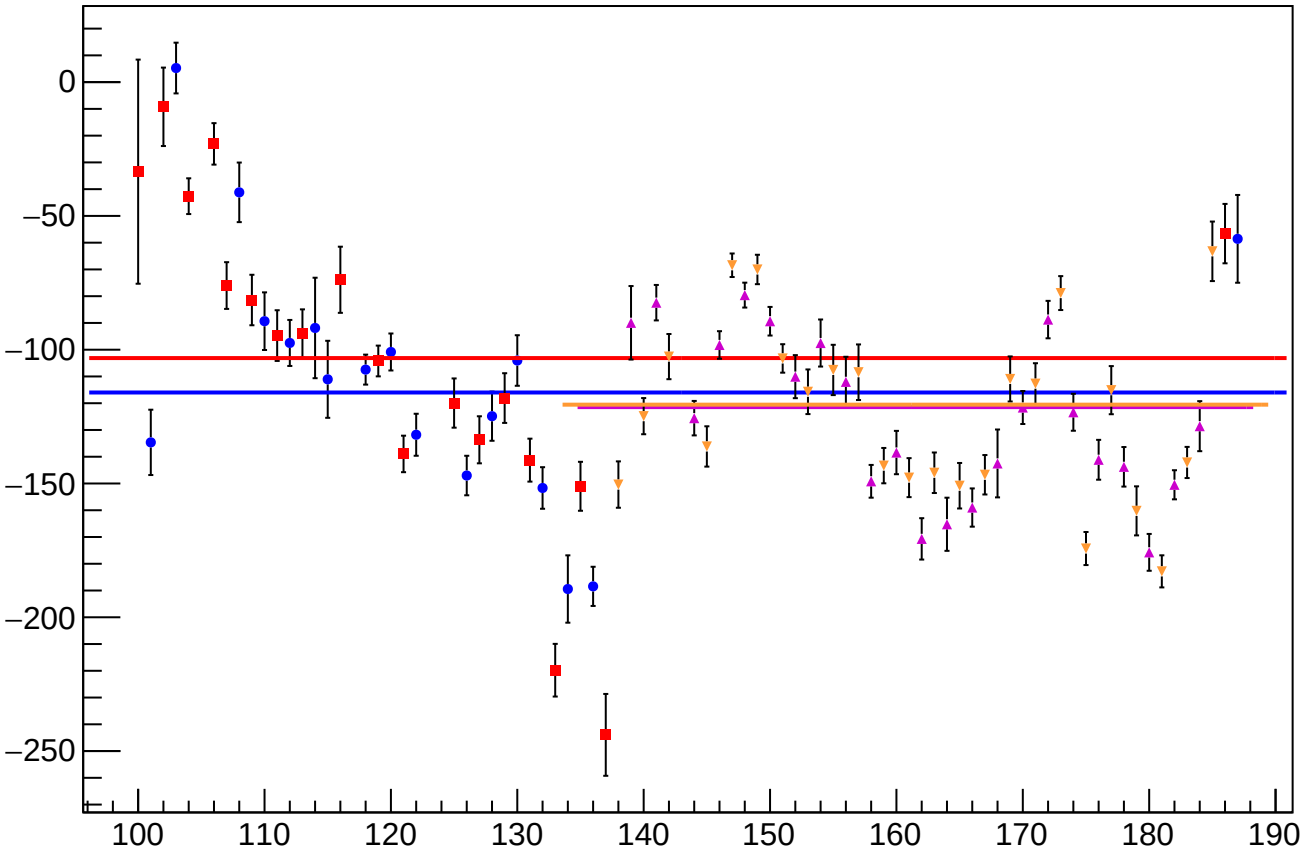
+ sign 350.191+/-1.227 χ^2/NDF: 5720.1/40

All: 344.386+/-0.853 χ^2/NDF: 12858.2/82

- sign 338.939+/-1.188 χ^2/NDF: 7094.6/41


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
190
Right In: 1.544+/-1.866 χ²/NDF: 209.2/16
Left Out: 0.114+/-1.247 χ²/NDF:637.9/23
Right Out: -2.928+/-1.743 χ²/NDF: 249.4/18
Left In: 1.812+/-1.267 χ²/NDF:577.0/22
+ sign 0.555+/-1.037 χ²/NDF: 847.6/40
All: 0.362+/-0.729 χ²/NDF: 1678.8/82
- sign 0.173+/-1.025 χ²/NDF: 831.2/41


reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug
−100
−200
−300
−400
−500
−600
100
110
120
130
140
150
160
170
180
190
Right In: -421.997+/-1.949 χ²/NDF: 3694.1/16
Left Out: -380.144+/-1.670 χ²/NDF:2618.6/23
Right Out: -382.788+/-1.804 χ²/NDF: 6877.7/18
Left In: -385.725+/-1.677 χ²/NDF:2361.2/22
+ sign -397.862+/-1.268 χ²/NDF: 6578.7/40
All: -390.898+/-0.882 χ²/NDF: 15877.6/82
- sign -384.364+/-1.228 χ²/NDF: 9240.4/41



Right In: -115.994+/-2.175 χ^2/NDF: 420.3/16

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

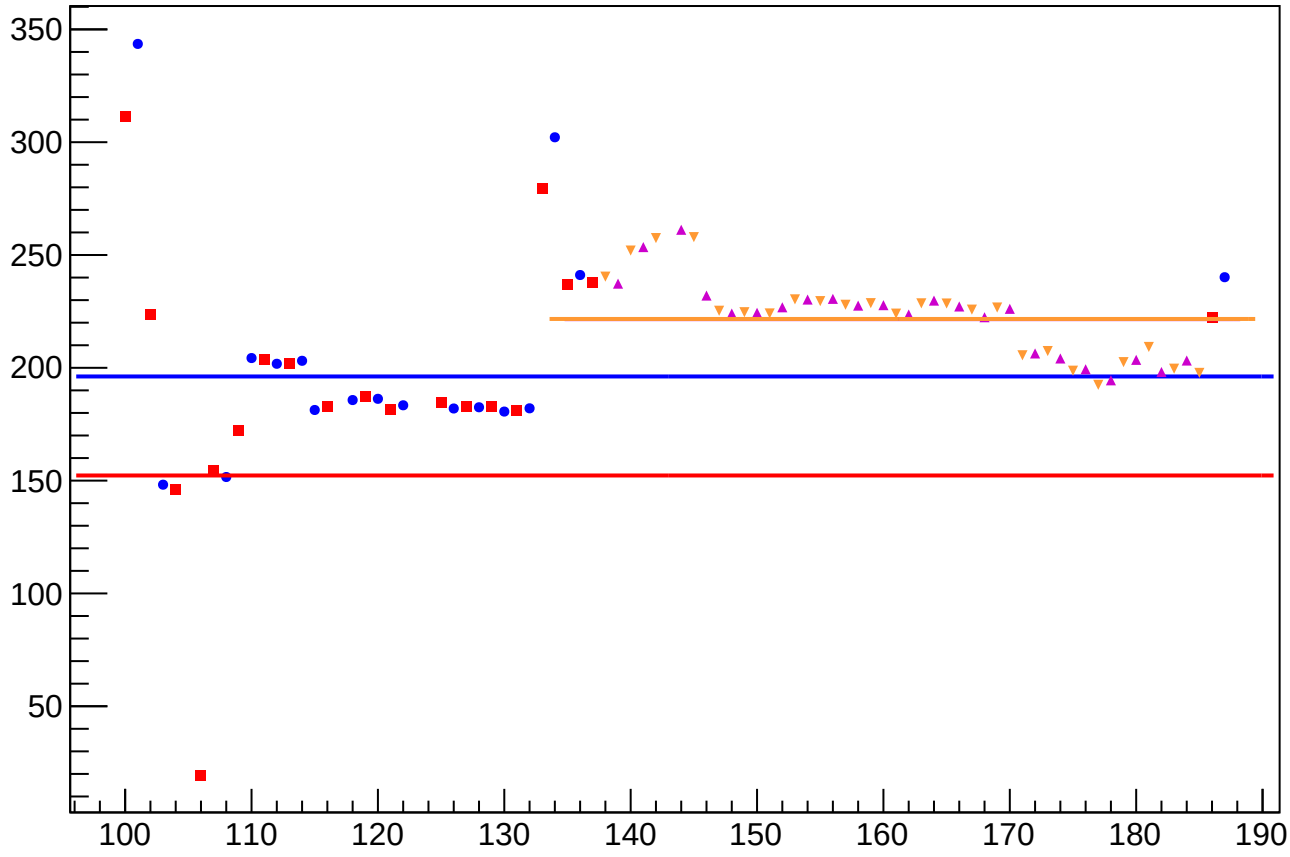
Right Out: -103.129+/-2.055 χ^2/NDF: 593.3/18

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -119.162+/-1.198 χ^2/NDF: 1034.8/40

All: -117.241+/-0.842 χ^2/NDF: 2118.9/82

- sign -115.363+/-1.185 χ^2/NDF: 1079.0/41



Right In: 196.169+/-0.123 χ^2/NDF: 179333.4/16

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

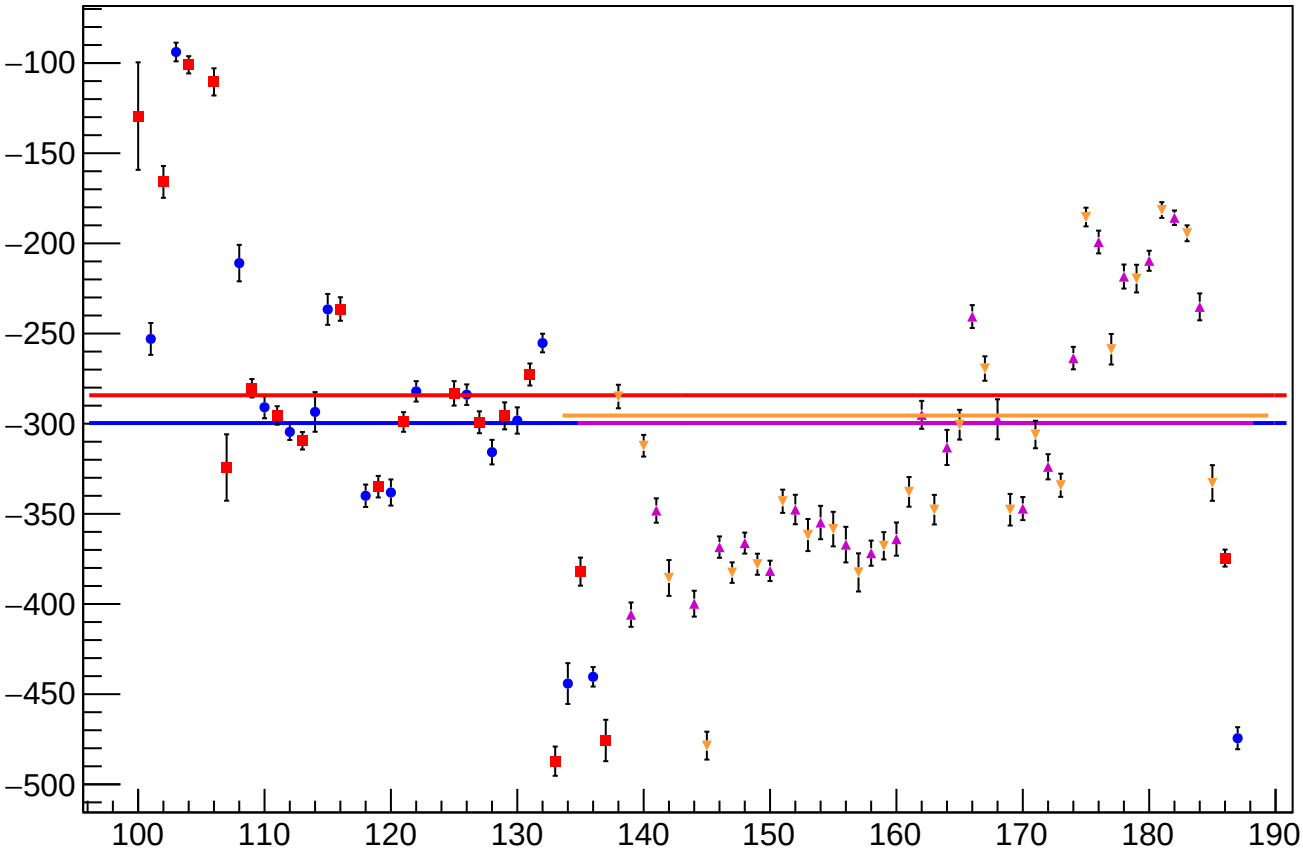
Right Out: 152.279+/-0.109 χ^2/NDF: 507172.7/18

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 215.899+/-0.059 χ^2/NDF: 279519.2/40

All: 209.182+/-0.041 χ^2/NDF: 1168845.4/82

- sign 202.928+/-0.057 χ^2/NDF: 864012.5/41



Right In: -299.644+/-1.558 χ^2/NDF: 3572.8/16

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -284.237+/-1.473 χ^2/NDF: 3821.9/18

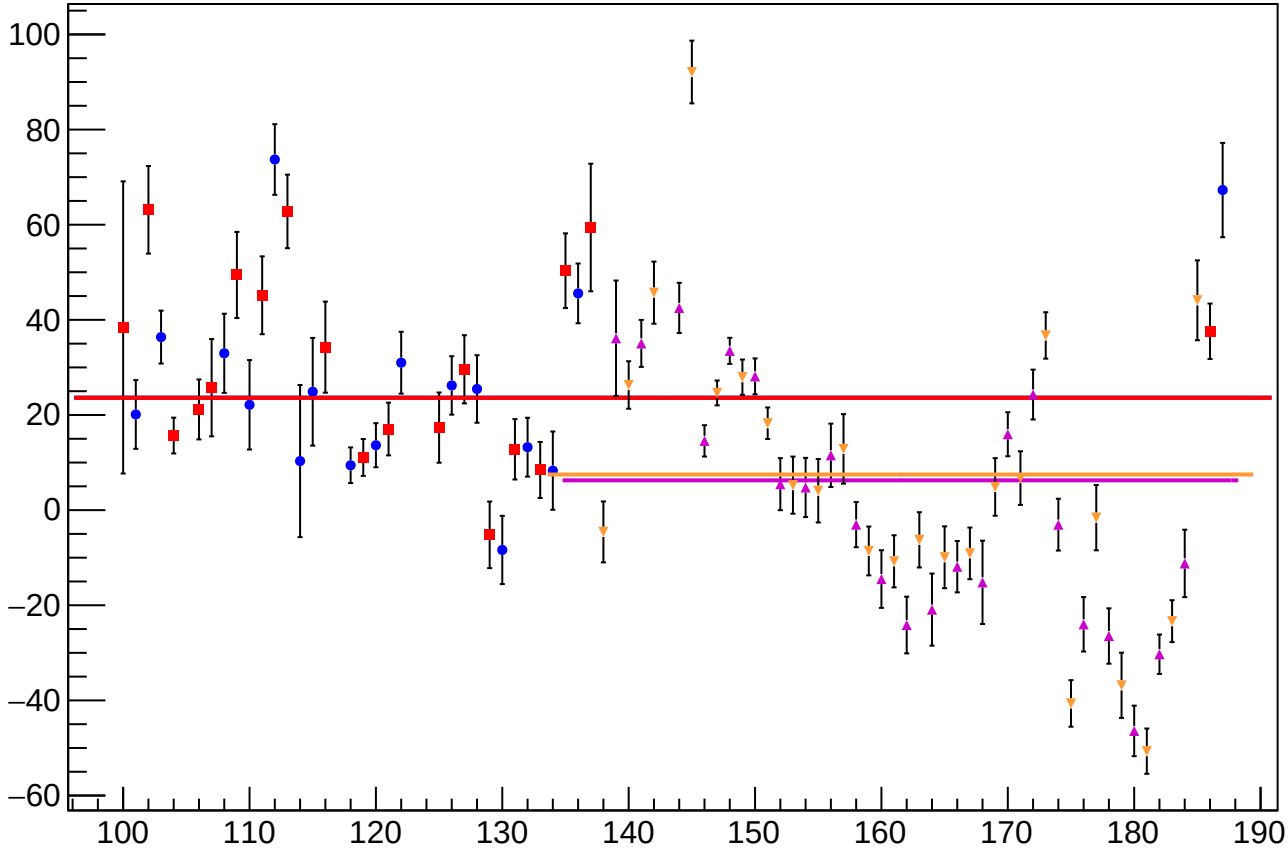
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -297.321+/-1.038 χ^2/NDF: 6923.1/40

All: -294.761+/-0.725 χ^2/NDF: 13785.8/82

- sign -292.321+/-1.014 χ^2/NDF: 6850.8/41

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 23.657+/-1.600 χ^2/NDF: 131.3/16

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 23.598+/-1.516 χ^2/NDF: 129.5/18

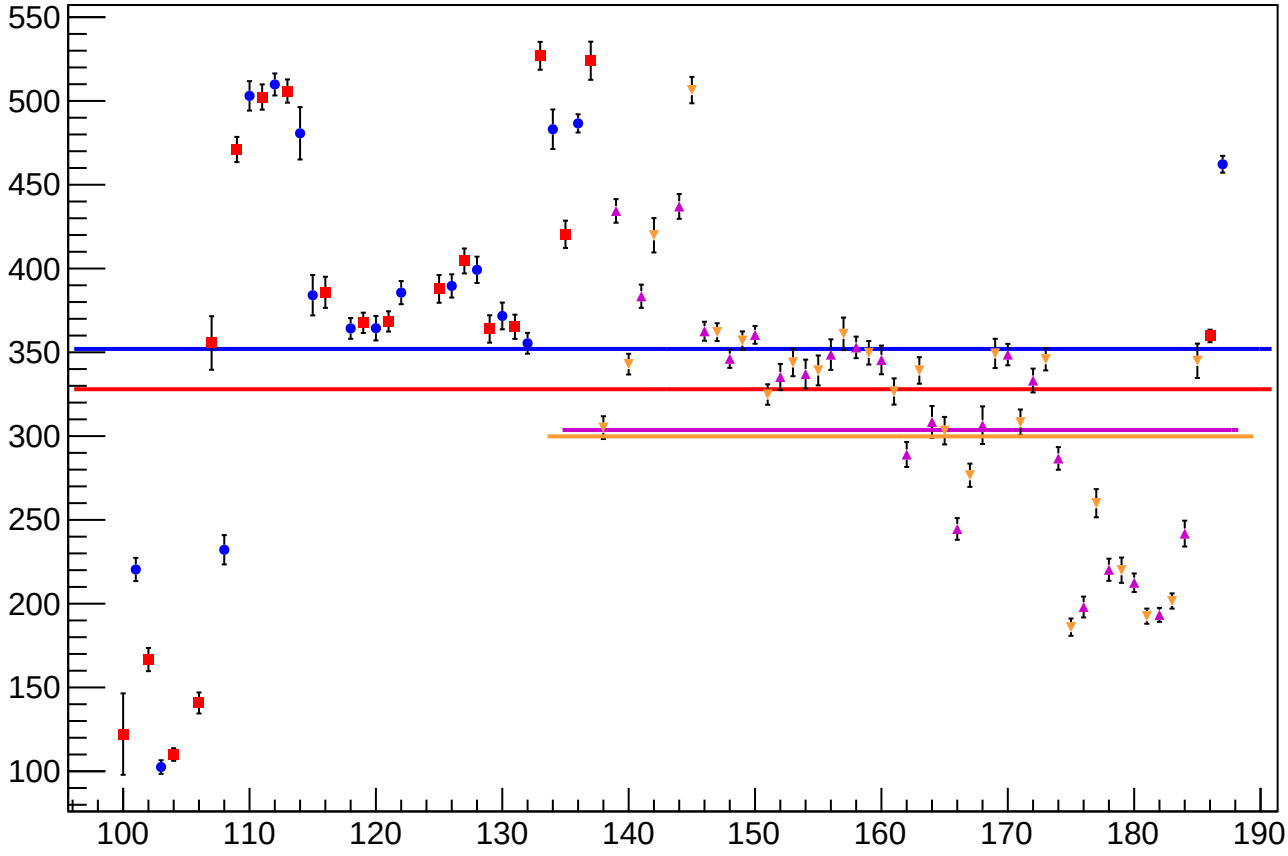
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

+ sign 12.222+/-0.866 χ^2/NDF: 942.0/40

All: 12.033+/-0.610 χ^2/NDF: 1719.8/82

- sign 11.846+/-0.860 χ^2/NDF: 777.7/41

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 352.018+/-1.651 χ^2/NDF: 6583.8/16

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 327.985+/-1.544 χ^2/NDF: 7807.3/18

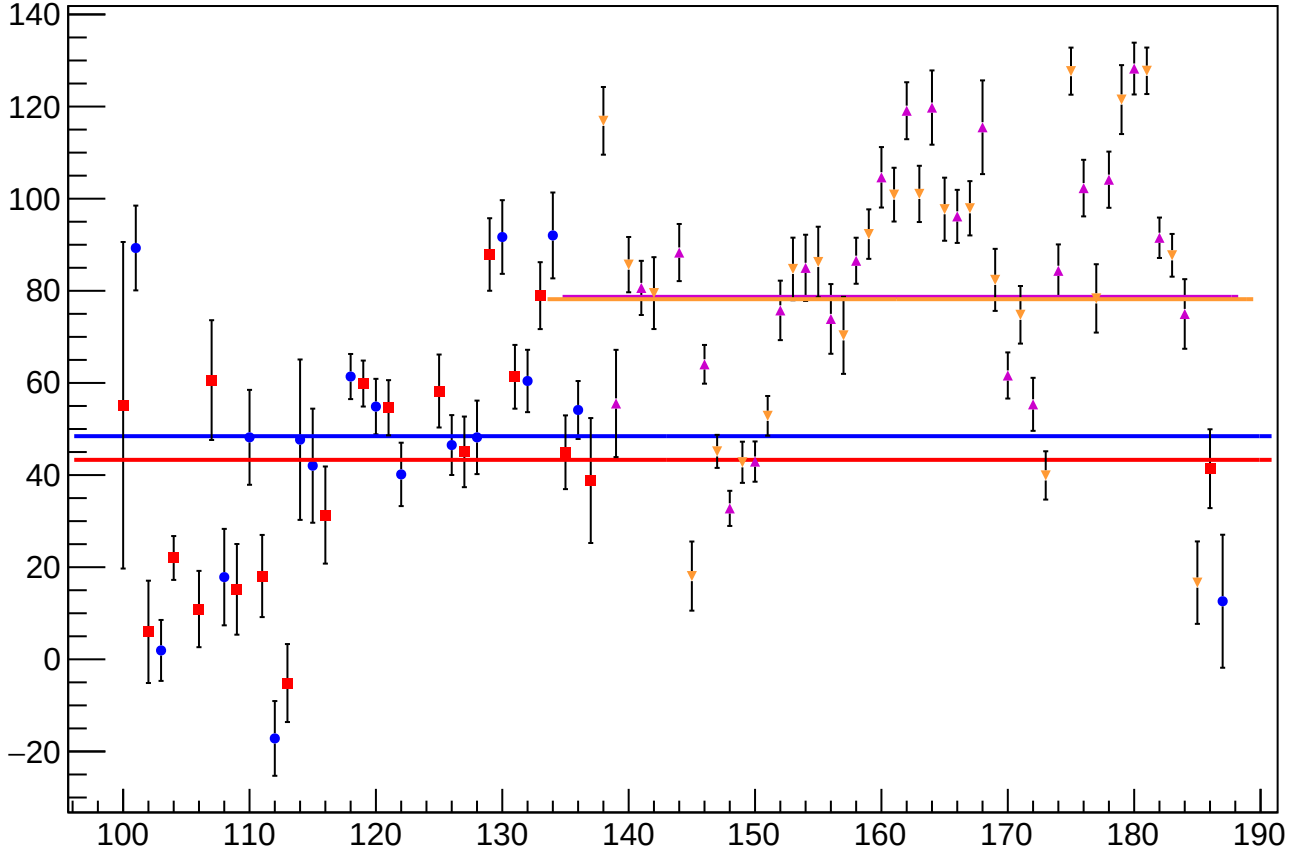
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 321.313+/-1.059 χ^2/NDF: 10248.0/40

All: 317.801+/-0.738 χ^2/NDF: 21087.0/82

- sign 314.481+/-1.030 χ^2/NDF: 10817.7/41

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 48.444+/-1.867 χ^2/NDF: 214.2/16

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

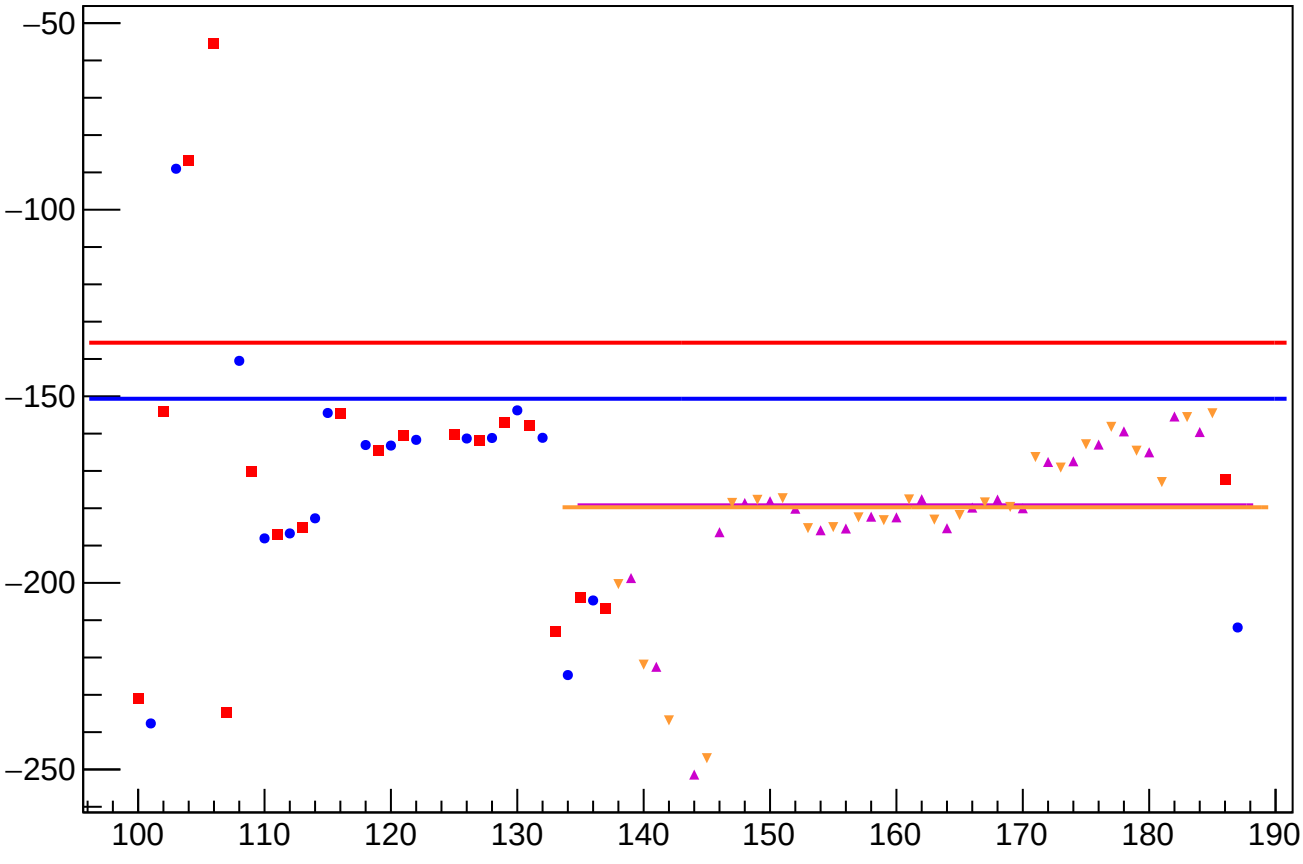
Right Out: 43.304+/-1.793 χ^2/NDF: 180.0/18

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 69.644+/-1.000 χ^2/NDF: 1058.5/40

All: 68.720+/-0.705 χ^2/NDF: 1998.5/82

- sign 67.808+/-0.994 χ^2/NDF: 938.3/41



Right In: -150.660+/-0.100 χ^2/NDF: 262363.0/16

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

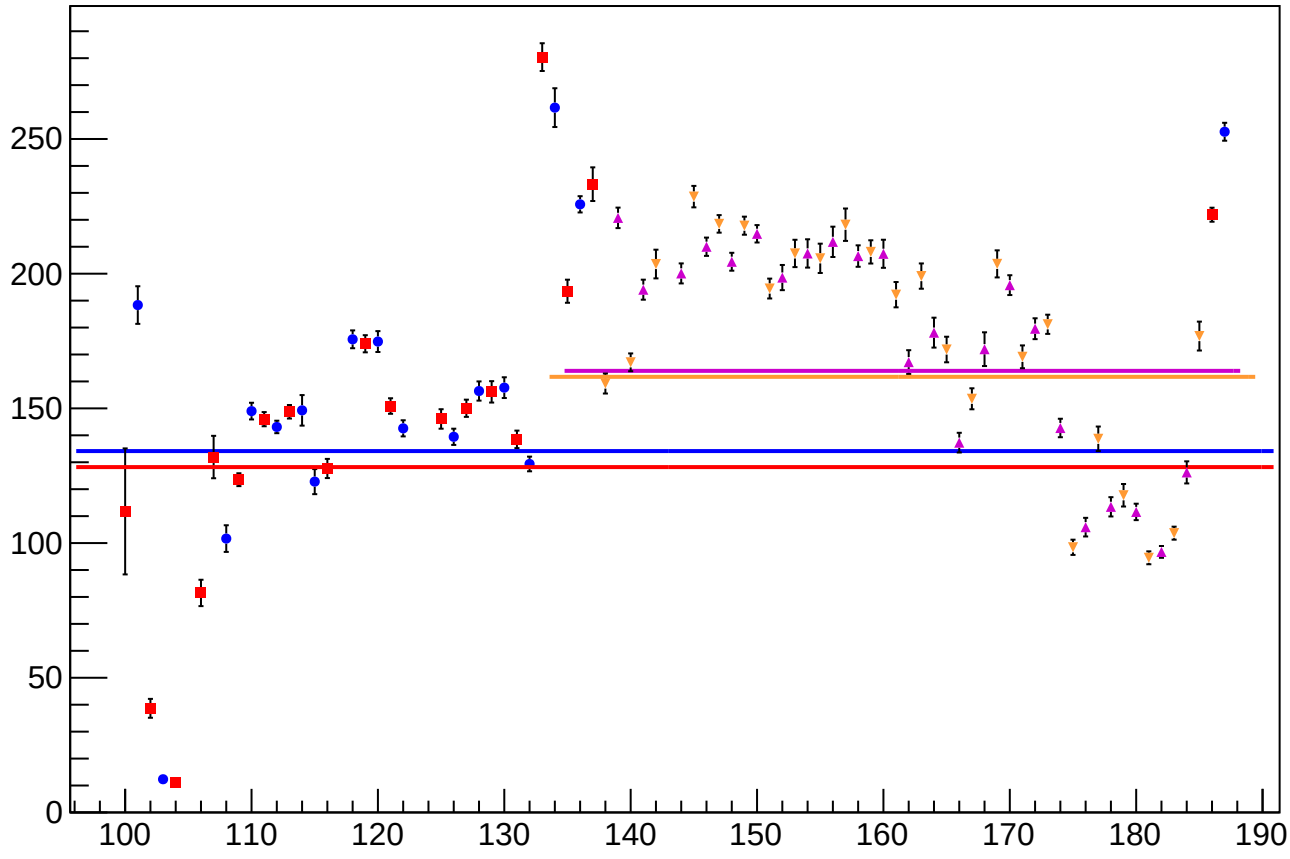
Right Out: -135.638+/-0.096 χ^2/NDF: 316335.3/18

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -172.989+/-0.048 χ^2/NDF: 459441.9/40

All: -170.736+/-0.034 χ^2/NDF: 1049926.3/82

- sign -168.559+/-0.047 χ^2/NDF: 586187.8/41



Right In: 134.150+/-0.788 χ^2/NDF: 7509.9/16

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

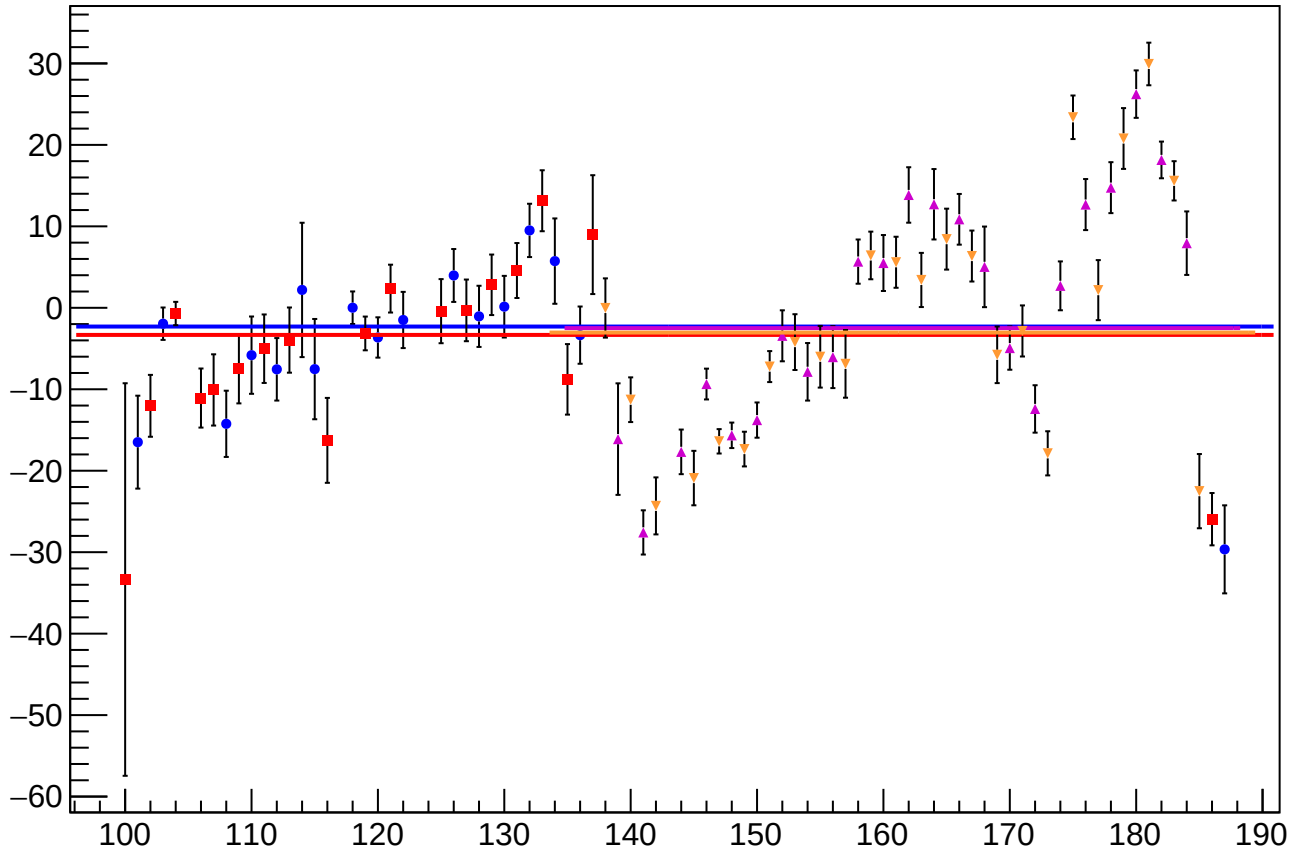
Right Out: 128.205+/-0.742 χ^2/NDF: 8065.3/18

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 148.132+/-0.553 χ^2/NDF: 11718.2/40

All: 146.619+/-0.385 χ^2/NDF: 24235.8/82

- sign 145.191+/-0.537 χ^2/NDF: 12503.0/41



Right In: -2.301+/-0.823 χ^2/NDF: 65.3/16

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

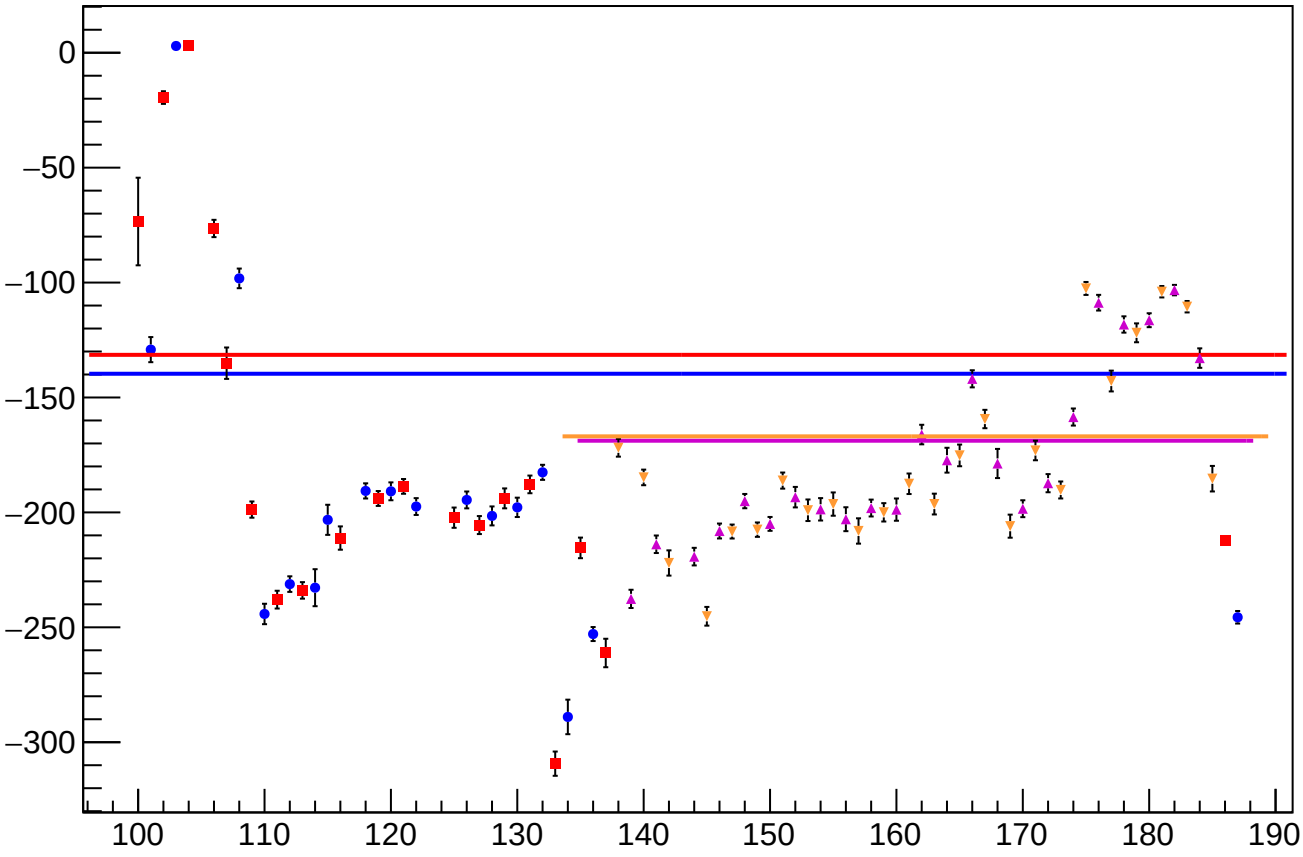
Right Out: -3.328+/-0.749 χ^2/NDF: 111.0/18

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -2.794+/-0.473 χ^2/NDF: 720.3/40

All: -2.802+/-0.331 χ^2/NDF: 1395.0/82

- sign -2.810+/-0.462 χ^2/NDF: 674.7/41



Right In: -139.673+/-0.808 χ^2/NDF: 16337.4/16

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

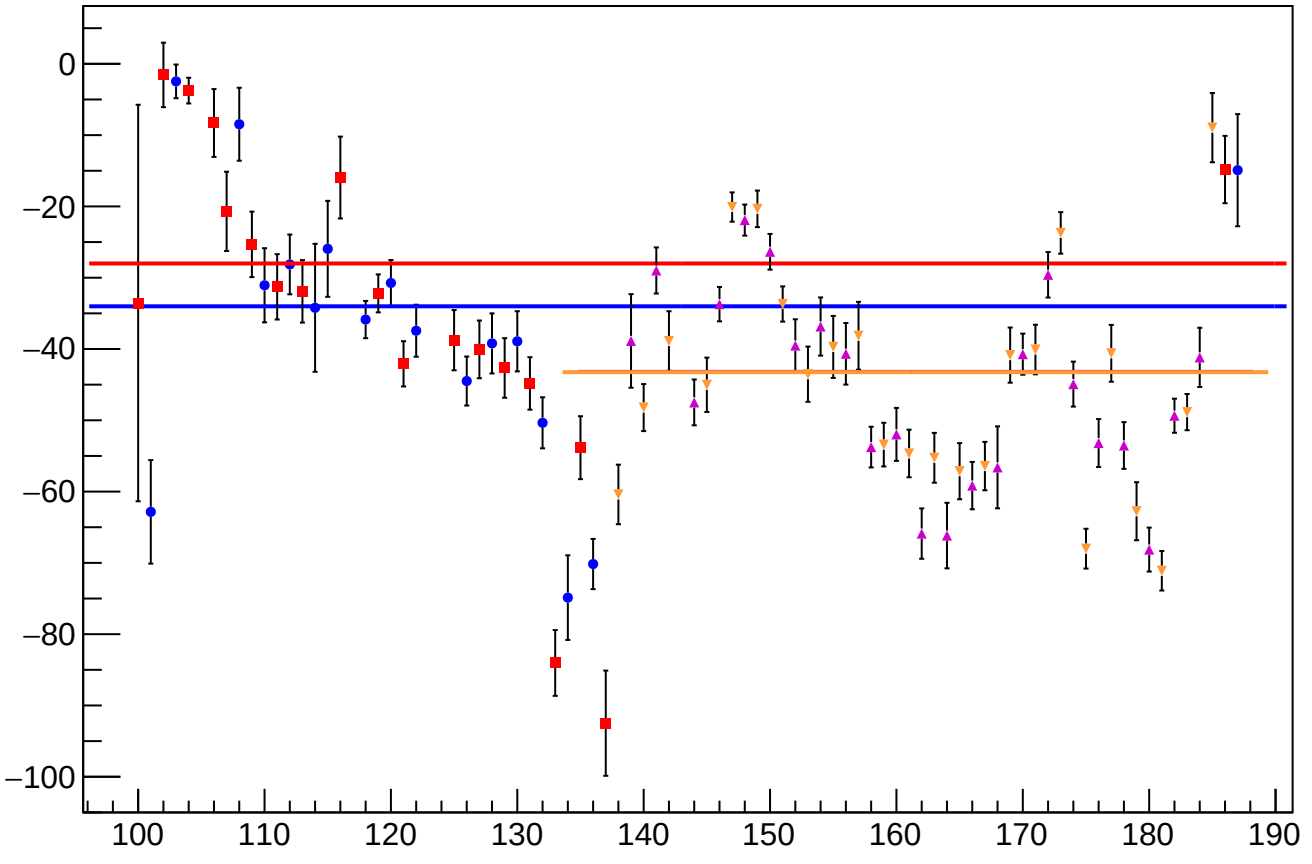
Right Out: -131.448+/-0.757 χ^2/NDF: 17929.0/18

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -153.941+/-0.558 χ^2/NDF: 20028.3/40

All: -151.776+/-0.388 χ^2/NDF: 42240.0/82

- sign -149.743+/-0.541 χ^2/NDF: 22182.5/41



Right In: -34.011+/-0.961 χ^2/NDF: 417.3/16

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

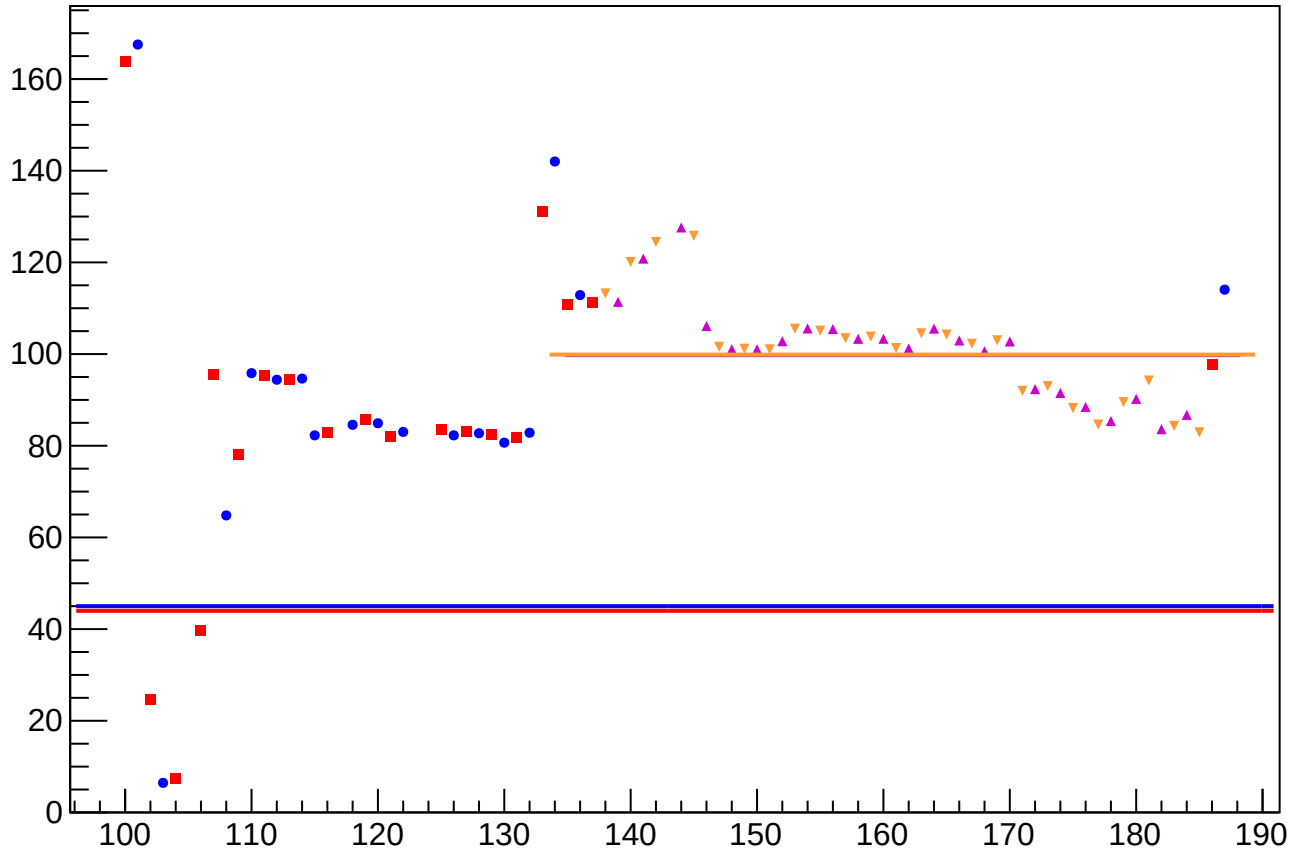
Right Out: -28.002+/-0.891 χ^2/NDF: 576.1/18

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

\+ sign -40.263+/-0.546 χ^2/NDF: 1090.0/40

All: -38.962+/-0.382 χ^2/NDF: 2269.2/82

\- sign -37.712+/-0.535 χ^2/NDF: 1168.1/41



Right In: 45.001+/-0.045 χ^2/NDF: 1110202.3/16

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

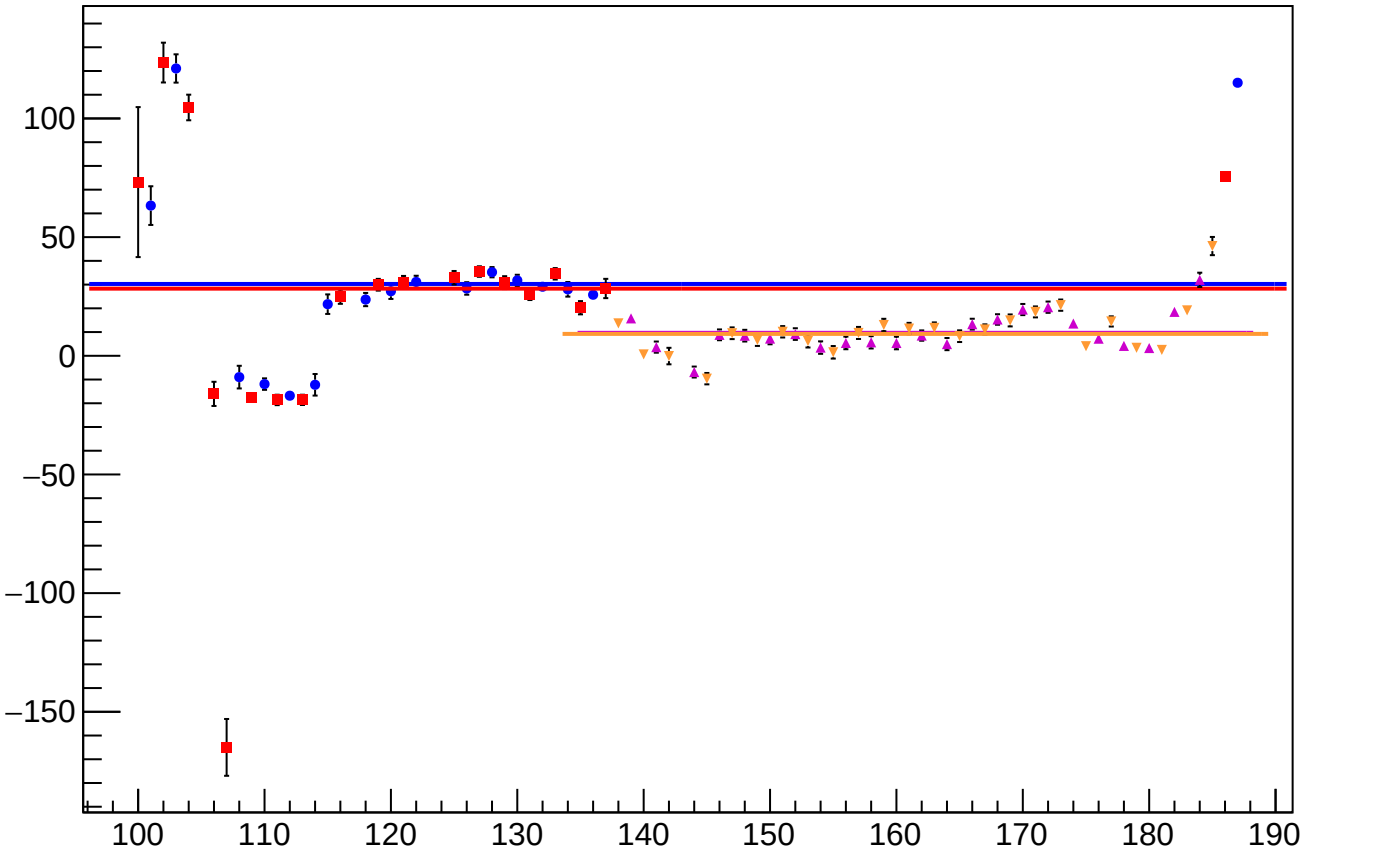
Right Out: 43.989+/-0.045 χ^2/NDF: 830874.8/18

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 82.242+/-0.025 χ^2/NDF: 2256367.0/40

All: 82.109+/-0.018 χ^2/NDF: 4264049.5/82

- sign 81.976+/-0.025 χ^2/NDF: 2007627.2/41



Right In: 30.267+/-0.649 χ^2/NDF: 3089.2/16

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

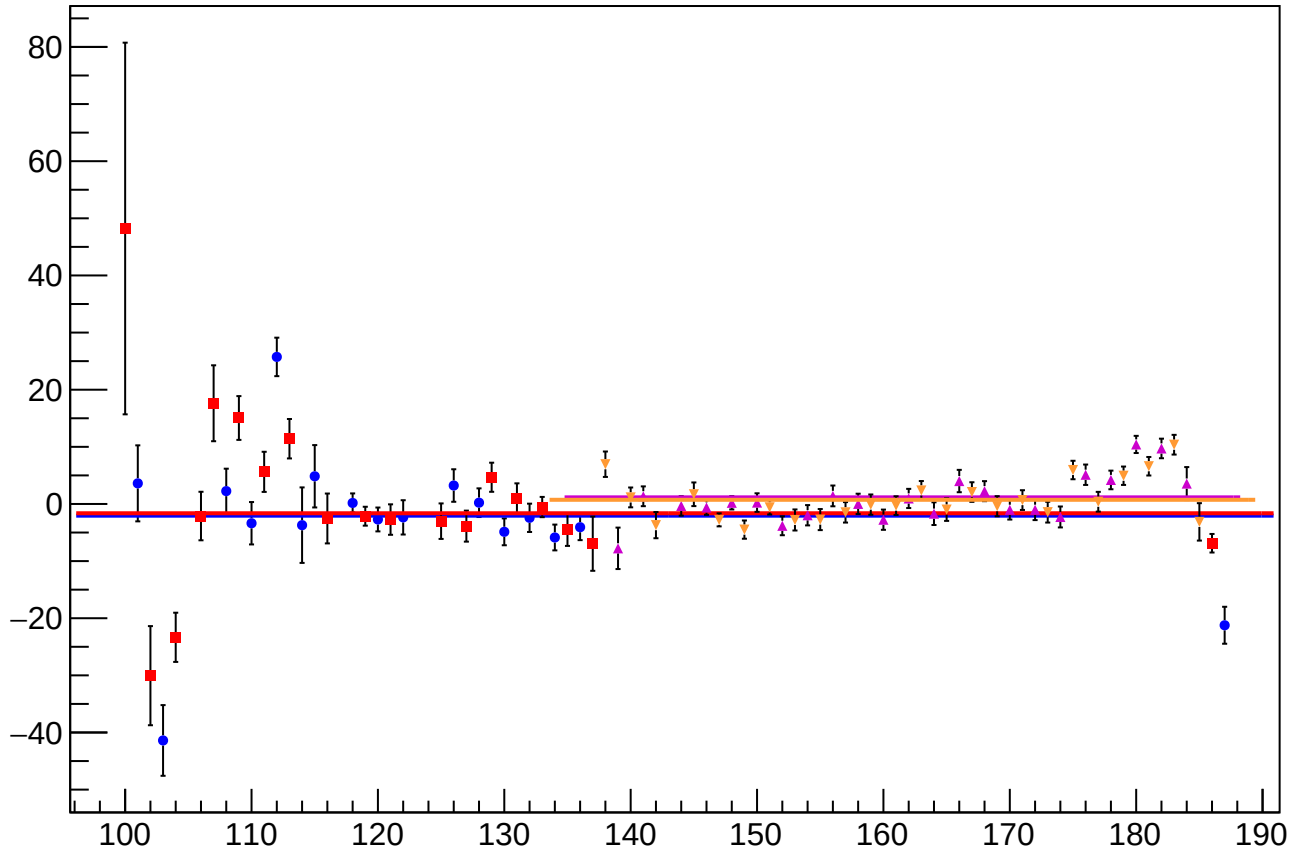
Right Out: 28.299+/-0.606 χ^2/NDF: 3393.1/18

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 16.186+/-0.373 χ^2/NDF: 4119.4/40

All: 16.360+/-0.262 χ^2/NDF: 8356.6/82

- sign 16.529+/-0.368 χ^2/NDF: 4236.8/41



Right In: -2.047+/-0.683 χ^2/NDF: 158.7/16

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

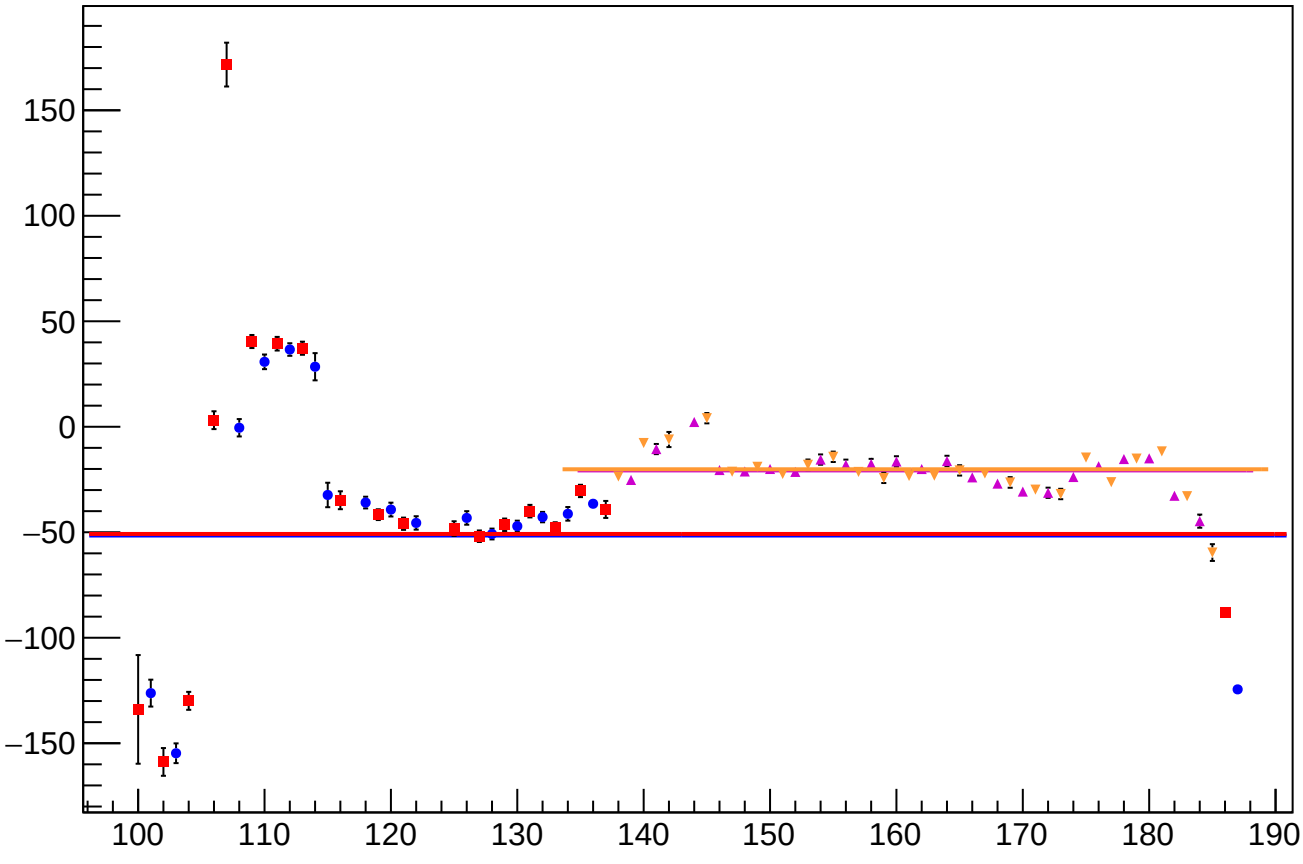
Right Out: -1.627+/-0.653 χ^2/NDF: 105.8/18

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign 0.154+/-0.311 χ^2/NDF: 281.5/40

All: 0.333+/-0.221 χ^2/NDF: 512.4/82

\- sign 0.515+/-0.314 χ^2/NDF: 230.2/41



Right In: -51.541+/-0.708 χ^2/NDF: 4521.9/16

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

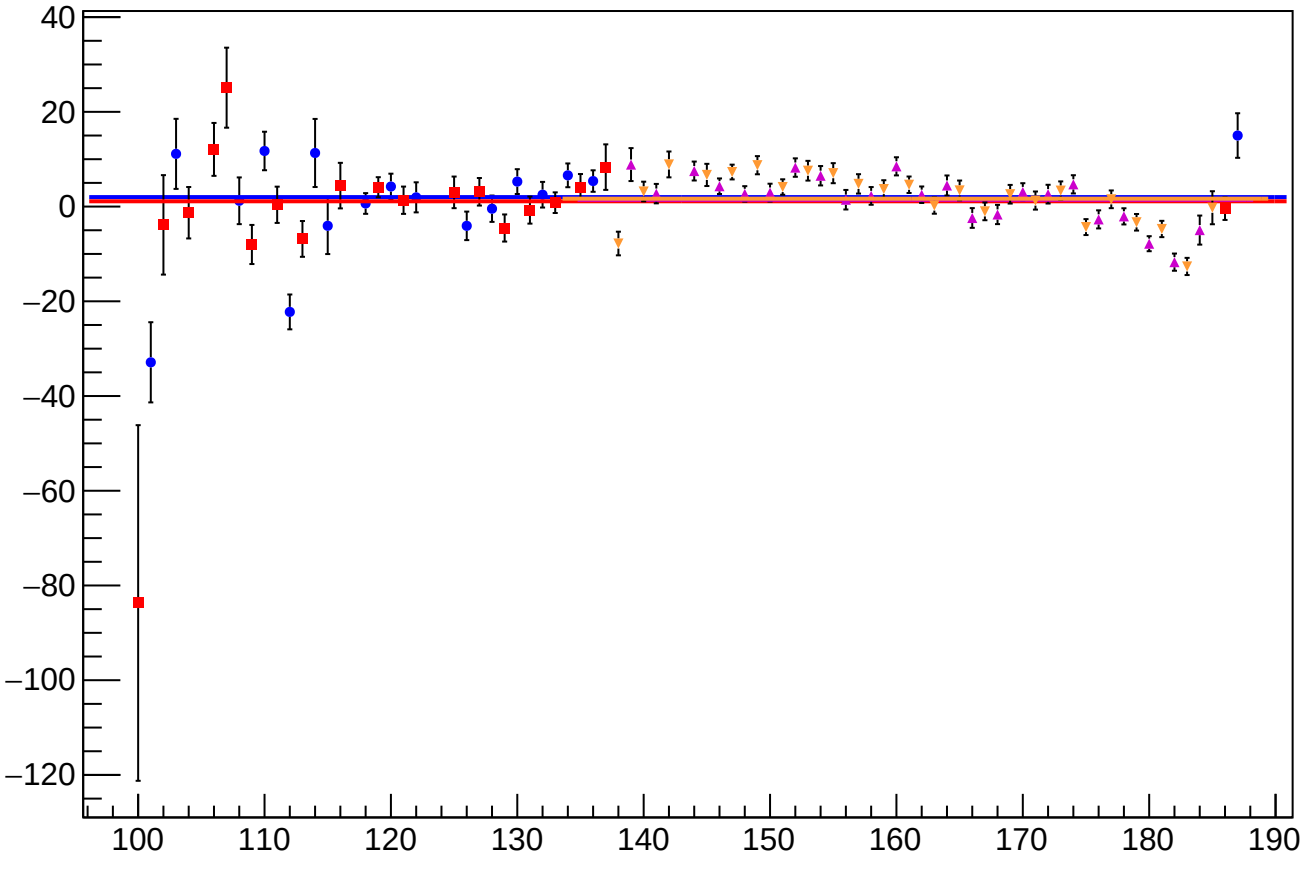
Right Out: -50.810+/-0.637 χ^2/NDF: 5065.5/18

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

+ sign -29.249+/-0.381 χ^2/NDF: 6337.3/40

All: -30.113+/-0.266 χ^2/NDF: 13198.2/82

- sign -30.935+/-0.372 χ^2/NDF: 6850.9/41



Right In: 2.003+/-0.786 χ^2/NDF: 91.1/16

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

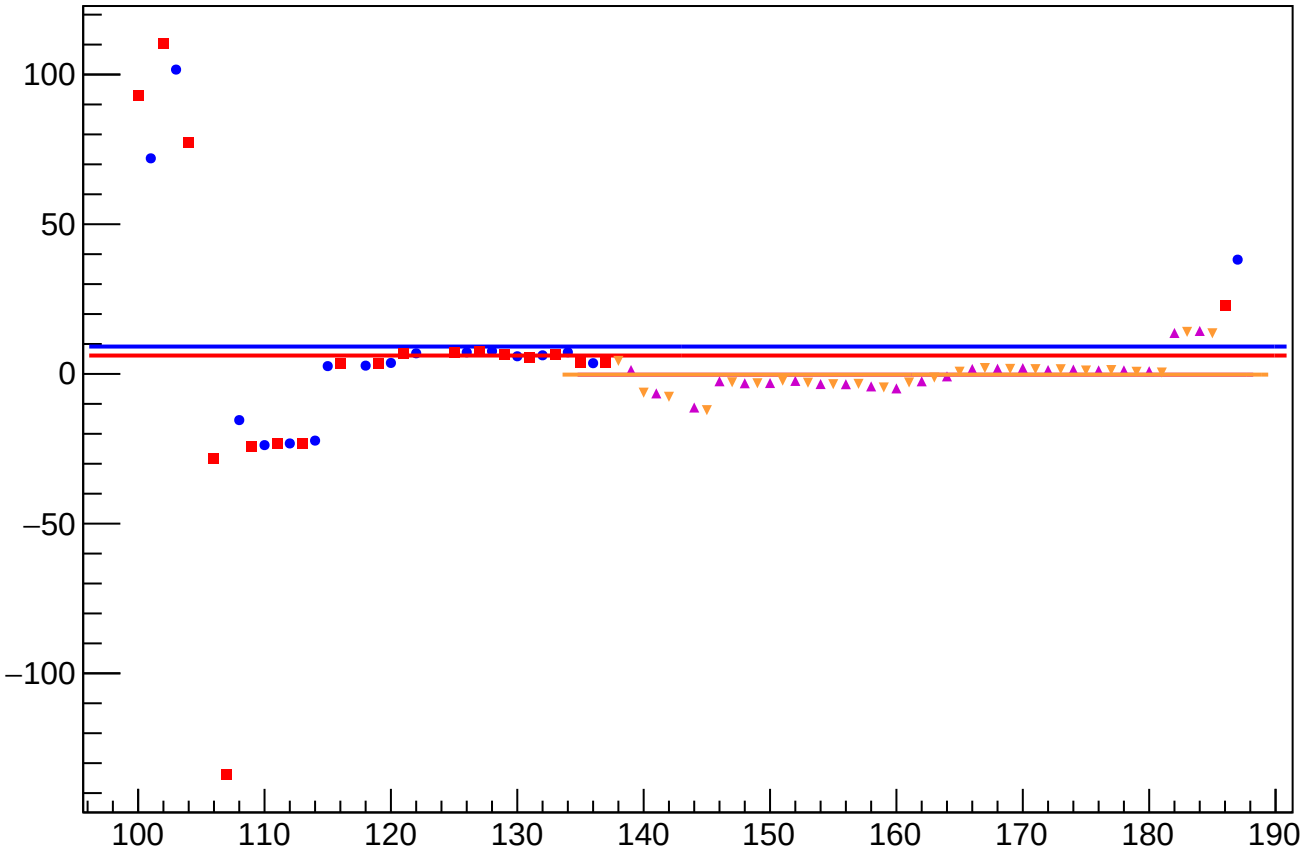
Right Out: 1.116+/-0.772 χ^2/NDF: 38.0/18

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.738+/-0.353 χ^2/NDF: 269.2/40

All: 1.552+/-0.251 χ^2/NDF: 470.7/82

- sign 1.361+/-0.357 χ^2/NDF: 200.9/41



Right In: 9.144+/-0.048 χ^2/NDF: 326154.6/16

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

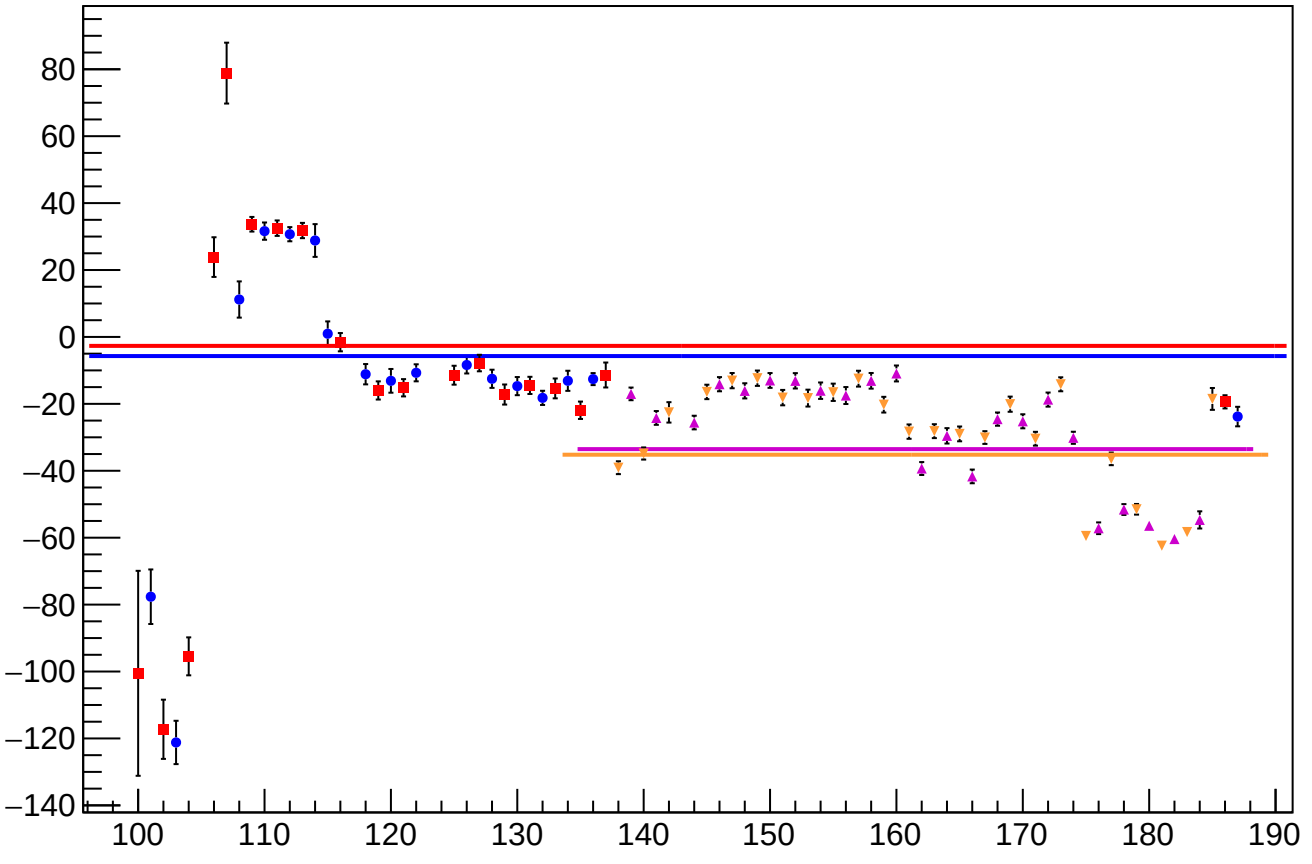
Right Out: 6.143+/-0.049 χ^2/NDF: 456974.2/18

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

\+ sign 0.904+/-0.017 χ^2/NDF: 441271.1/40

All: 0.684+/-0.012 χ^2/NDF: 986266.3/82

\- sign 0.460+/-0.017 χ^2/NDF: 544638.1/41



Right In: -5.717+/-0.691 χ^2/NDF: 1087.0/16

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

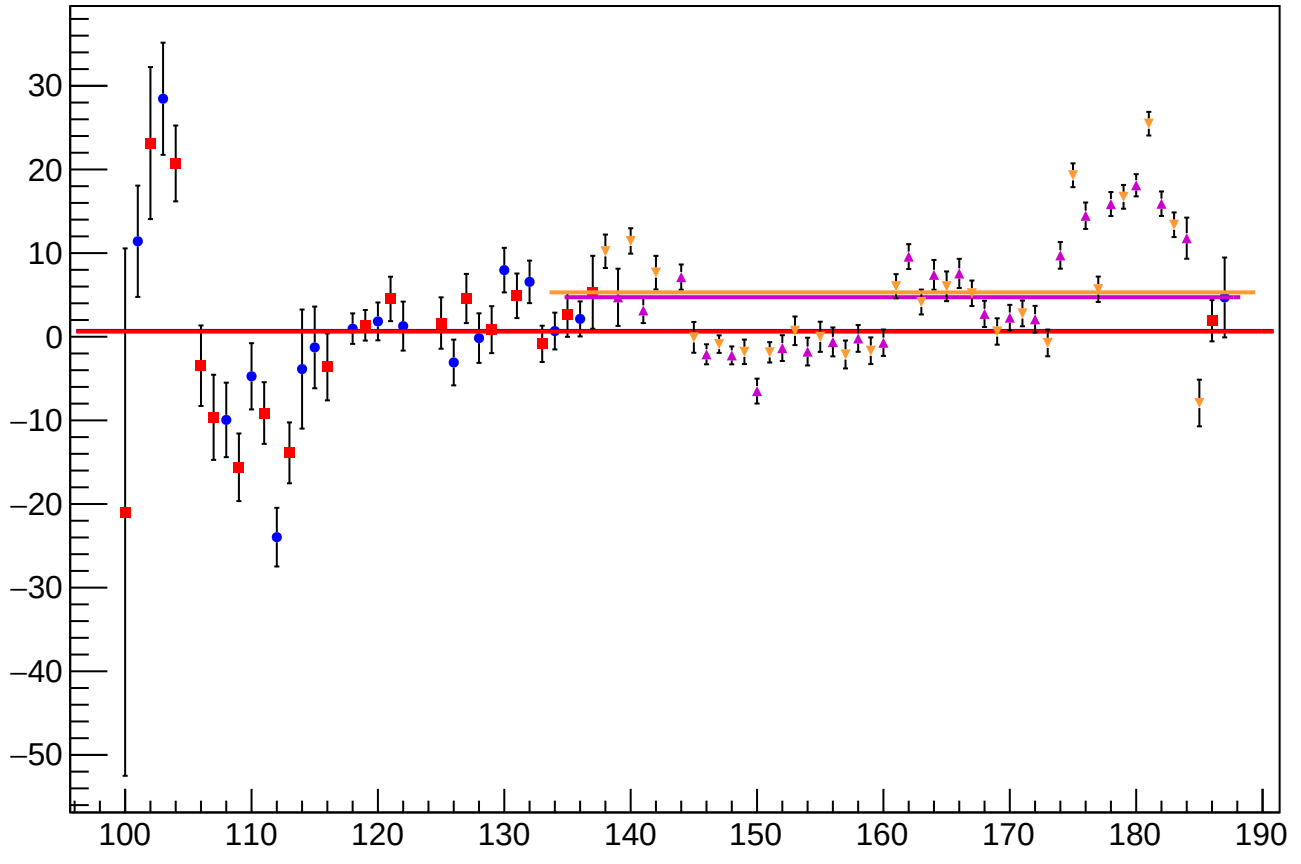
Right Out: -2.673+/-0.669 χ^2/NDF: 1538.9/18

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -27.579+/-0.351 χ^2/NDF: 4286.7/40

All: -26.286+/-0.249 χ^2/NDF: 9198.2/82

- sign -24.990+/-0.352 χ^2/NDF: 4884.4/41



Right In: 0.695+/-0.719 χ^2/NDF: 93.6/16

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

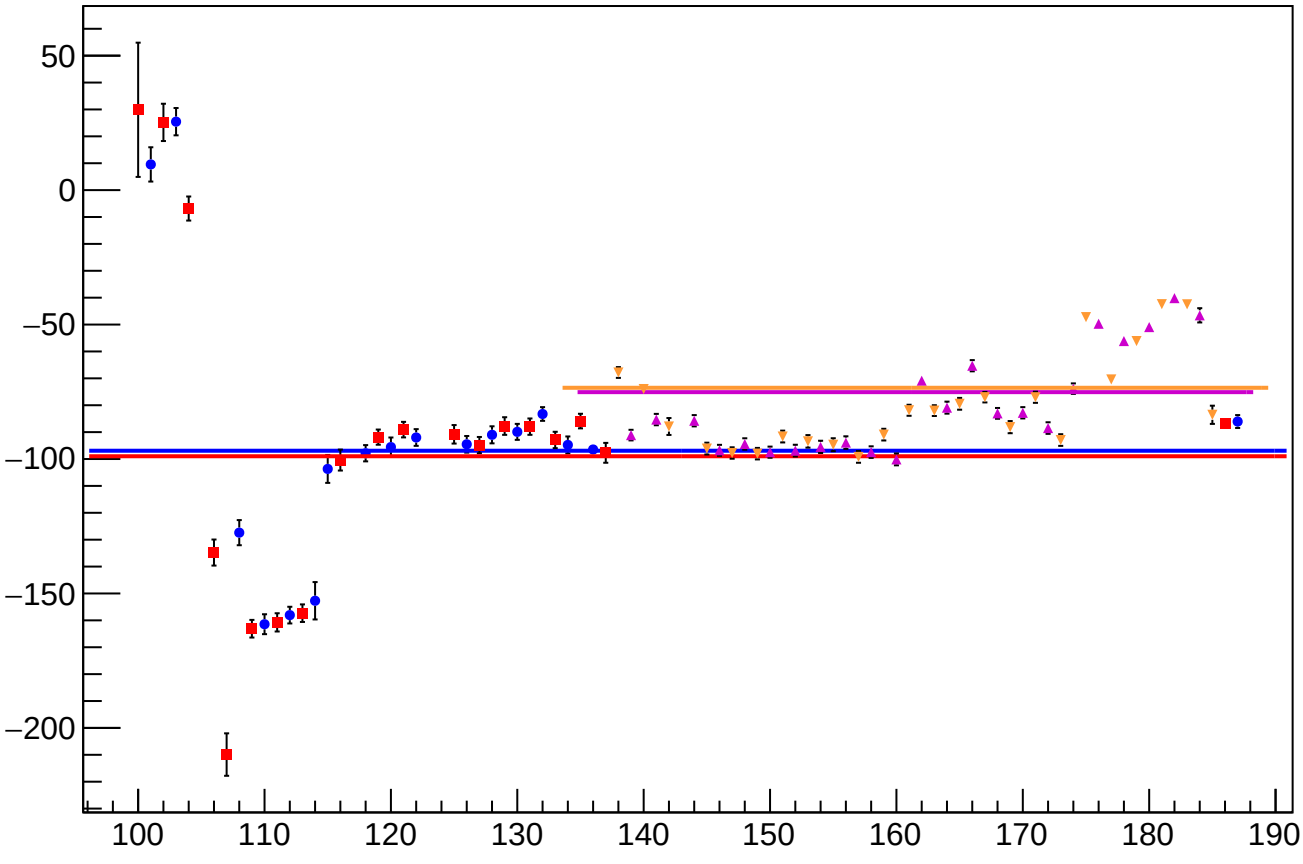
Right Out: 0.618+/-0.722 χ^2/NDF: 80.5/18

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.564+/-0.288 χ^2/NDF: 752.5/40

All: 4.310+/-0.206 χ^2/NDF: 1357.6/82

- sign 4.048+/-0.293 χ^2/NDF: 603.5/41



Right In: -96.920+/-0.770 χ^2/NDF: 1722.8/16

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -98.973+/-0.740 χ^2/NDF: 2192.0/18

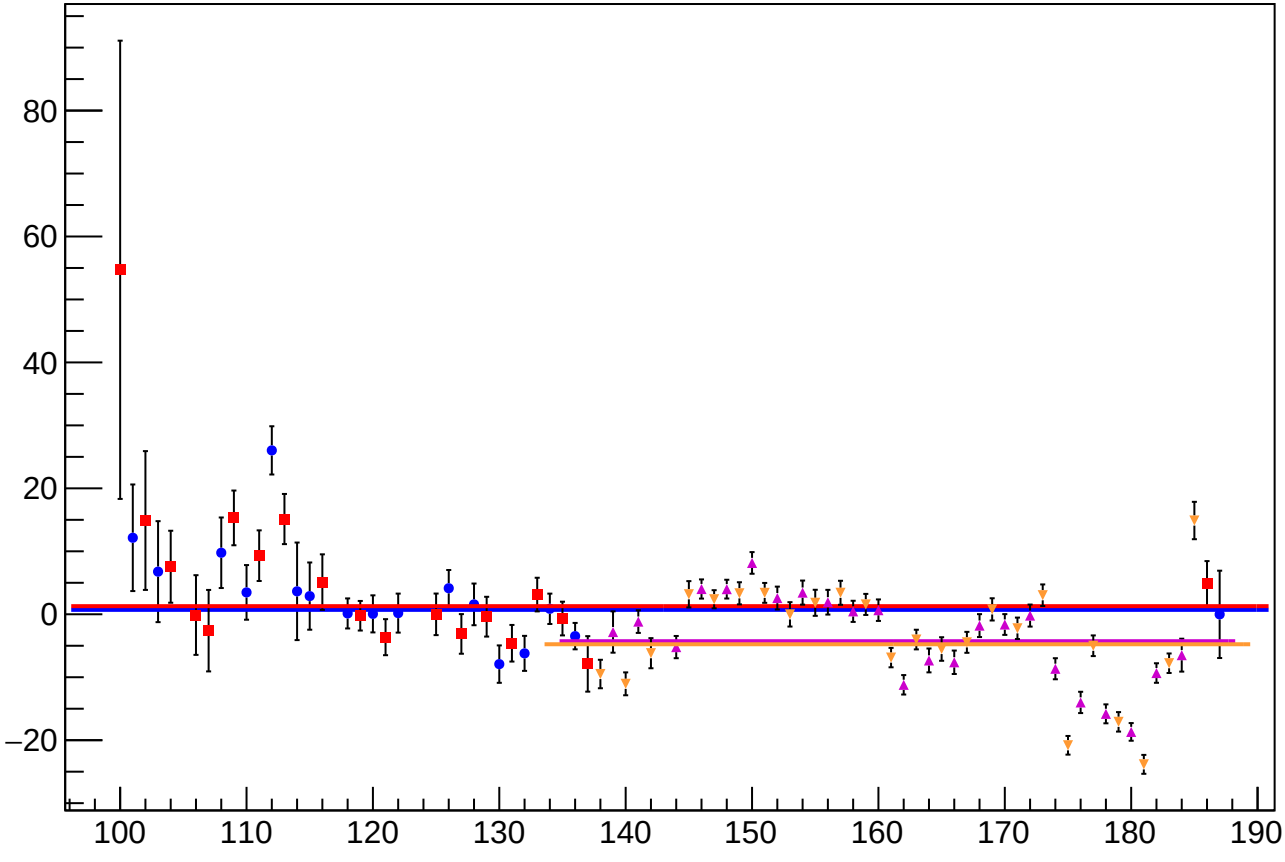
Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -78.589+/-0.359 χ^2/NDF: 4839.3/40

All: -79.661+/-0.254 χ^2/NDF: 10205.4/82

\- sign -80.734+/-0.359 χ^2/NDF: 5348.2/41

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 0.701+/-0.816 χ^2/NDF: 69.6/16

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

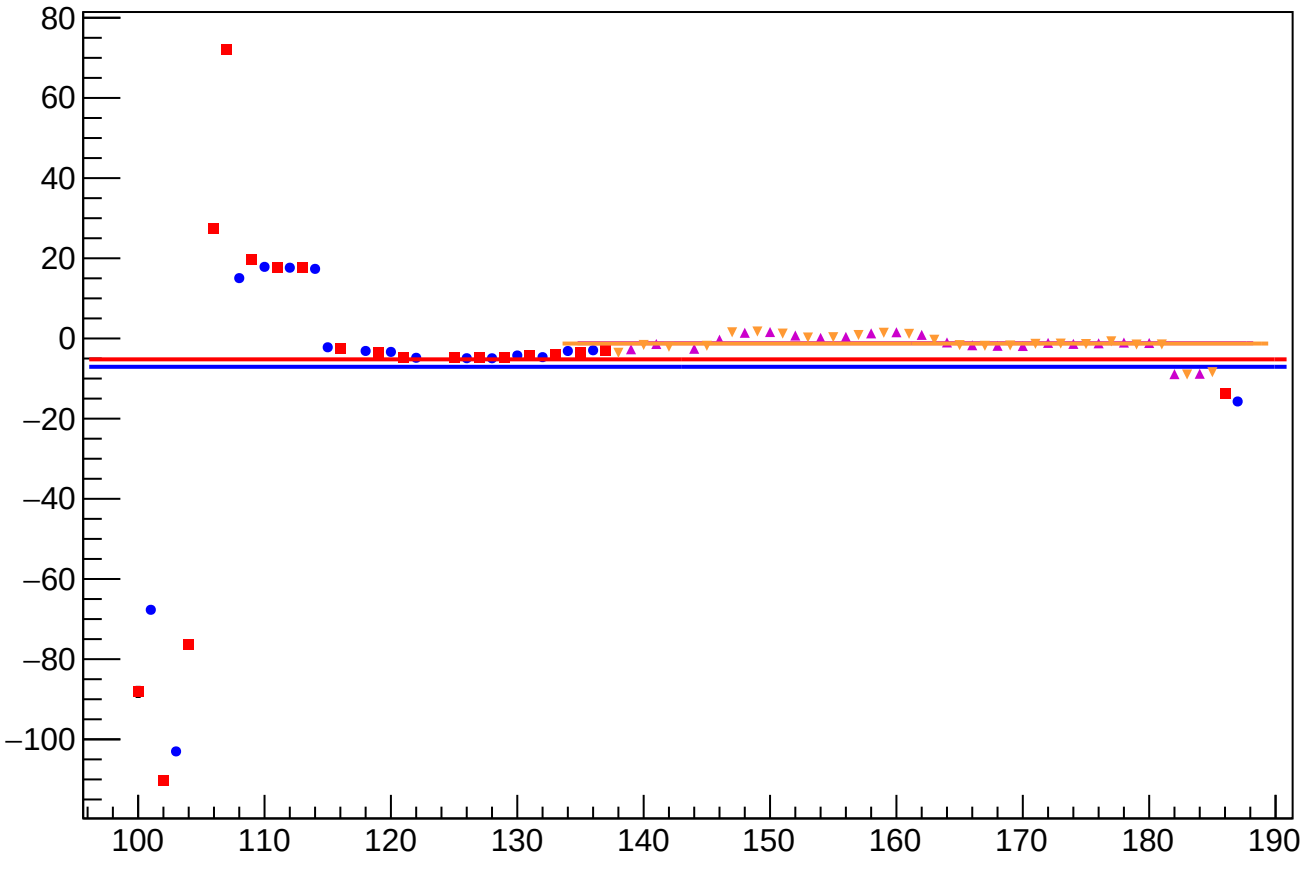
Right Out: 1.288+/-0.833 χ^2/NDF: 48.7/18

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.893+/-0.325 χ^2/NDF: 684.3/40

All: -3.650+/-0.232 χ^2/NDF: 1195.8/82

- sign -3.399+/-0.331 χ^2/NDF: 510.4/41



Right In: -7.068+/-0.048 χ^2/NDF: 265712.7/16

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

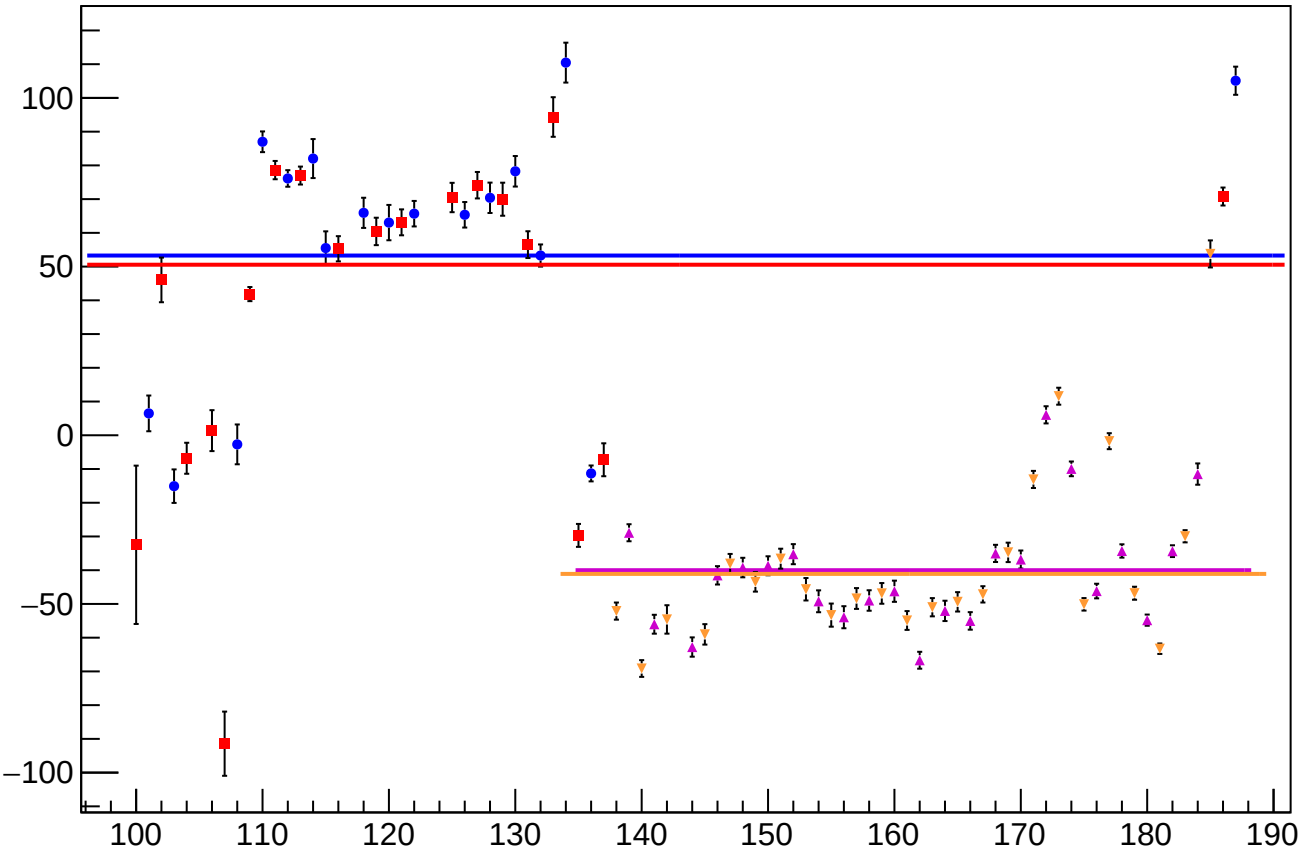
Right Out: -5.208+/-0.052 χ^2/NDF: 340575.1/18

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -1.835+/-0.015 χ^2/NDF: 303901.6/40

All: -1.685+/-0.011 χ^2/NDF: 674975.8/82

- sign -1.531+/-0.015 χ^2/NDF: 370872.0/41



Right In: 53.276+/-0.940 χ^2/NDF: 1666.1/16

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

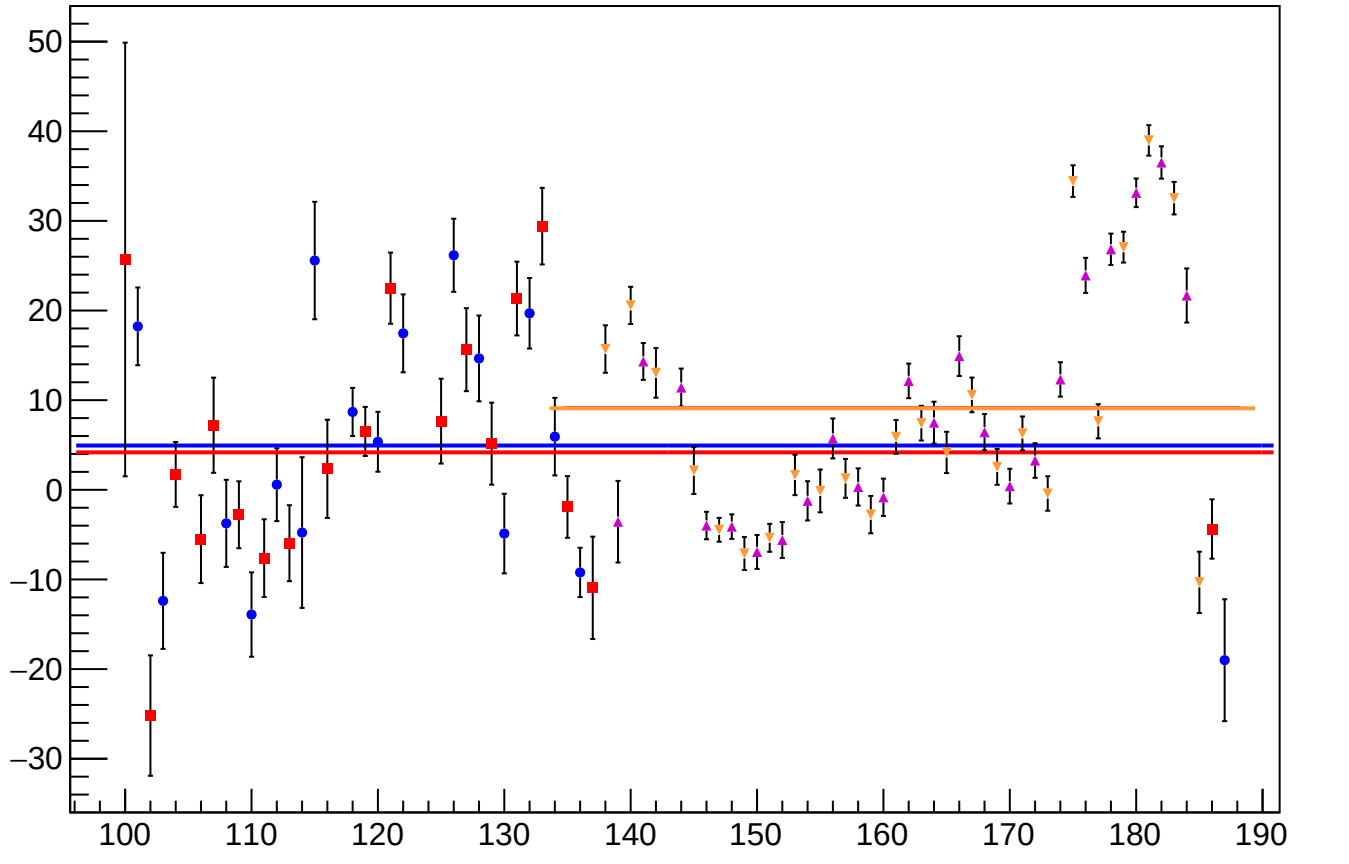
Right Out: 50.556+/-0.865 χ^2/NDF: 1584.0/18

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

+ sign -19.173+/-0.453 χ^2/NDF: 11344.3/40

All: -17.397+/-0.319 χ^2/NDF: 22009.3/82

- sign -15.660+/-0.448 χ^2/NDF: 10634.6/41



Right In: 4.940+/-1.010 χ^2/NDF: 150.9/16

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 4.176+/-0.977 χ^2/NDF: 139.1/18

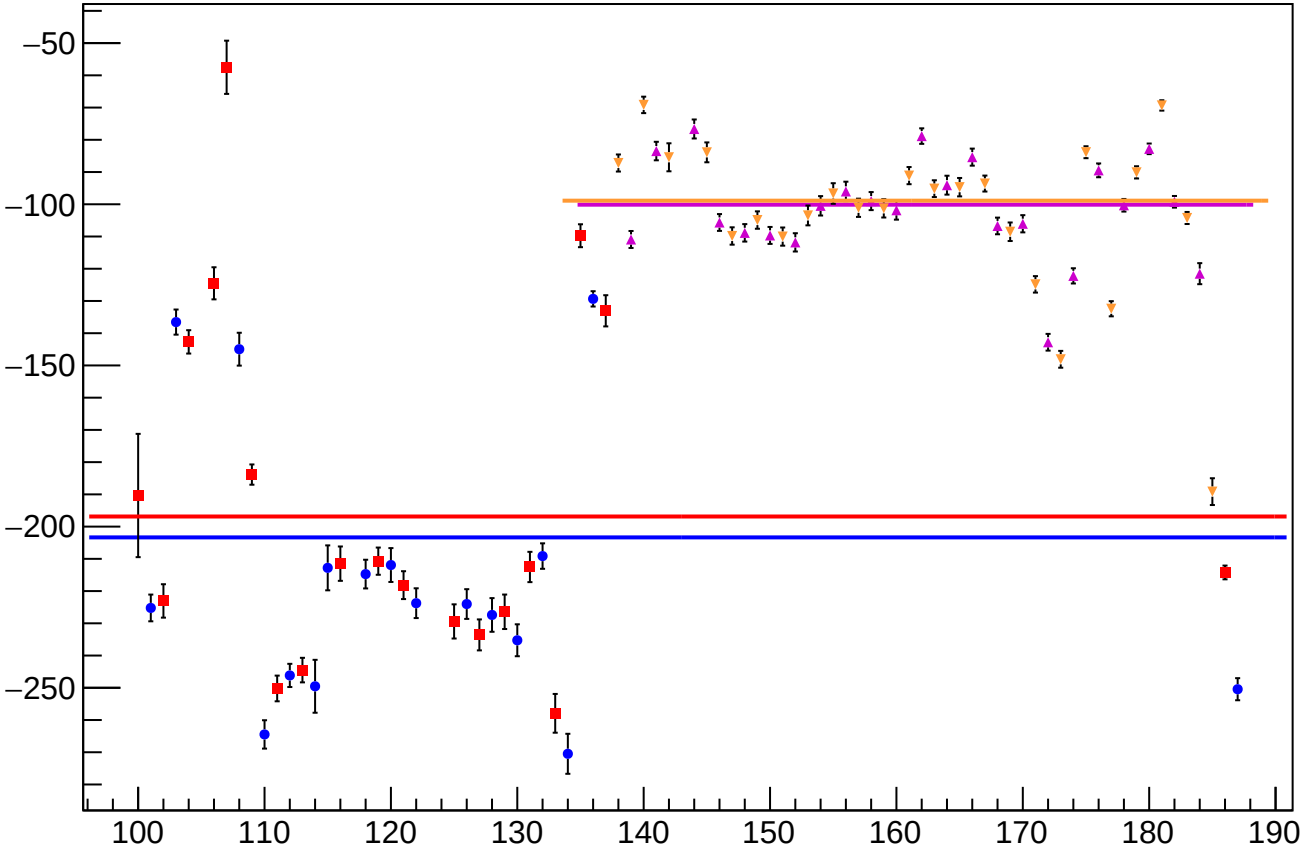
Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 8.527+/-0.373 χ^2/NDF: 1419.2/40

All: 8.457+/-0.265 χ^2/NDF: 2632.0/82

- sign 8.384+/-0.377 χ^2/NDF: 1212.7/41

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -203.346+/-1.033 χ^2/NDF: 2209.9/16

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

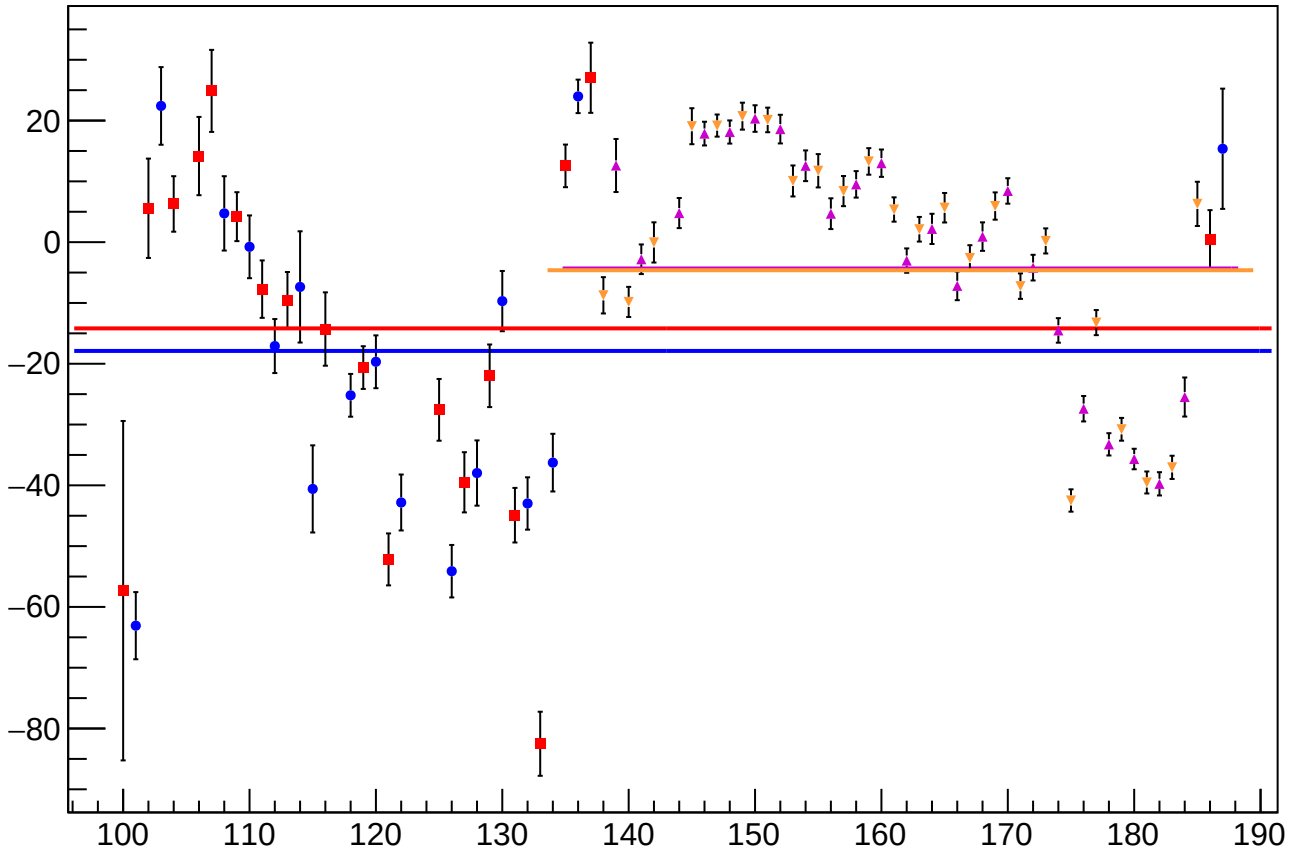
Right Out: -196.864+/-0.964 χ^2/NDF: 2222.0/18

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -119.623+/-0.460 χ^2/NDF: 12230.3/40

All: -120.794+/-0.325 χ^2/NDF: 23093.7/82

- sign -121.951+/-0.458 χ^2/NDF: 10850.6/41



Right In: -17.891+/-1.151 χ^2/NDF: 555.4/16

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

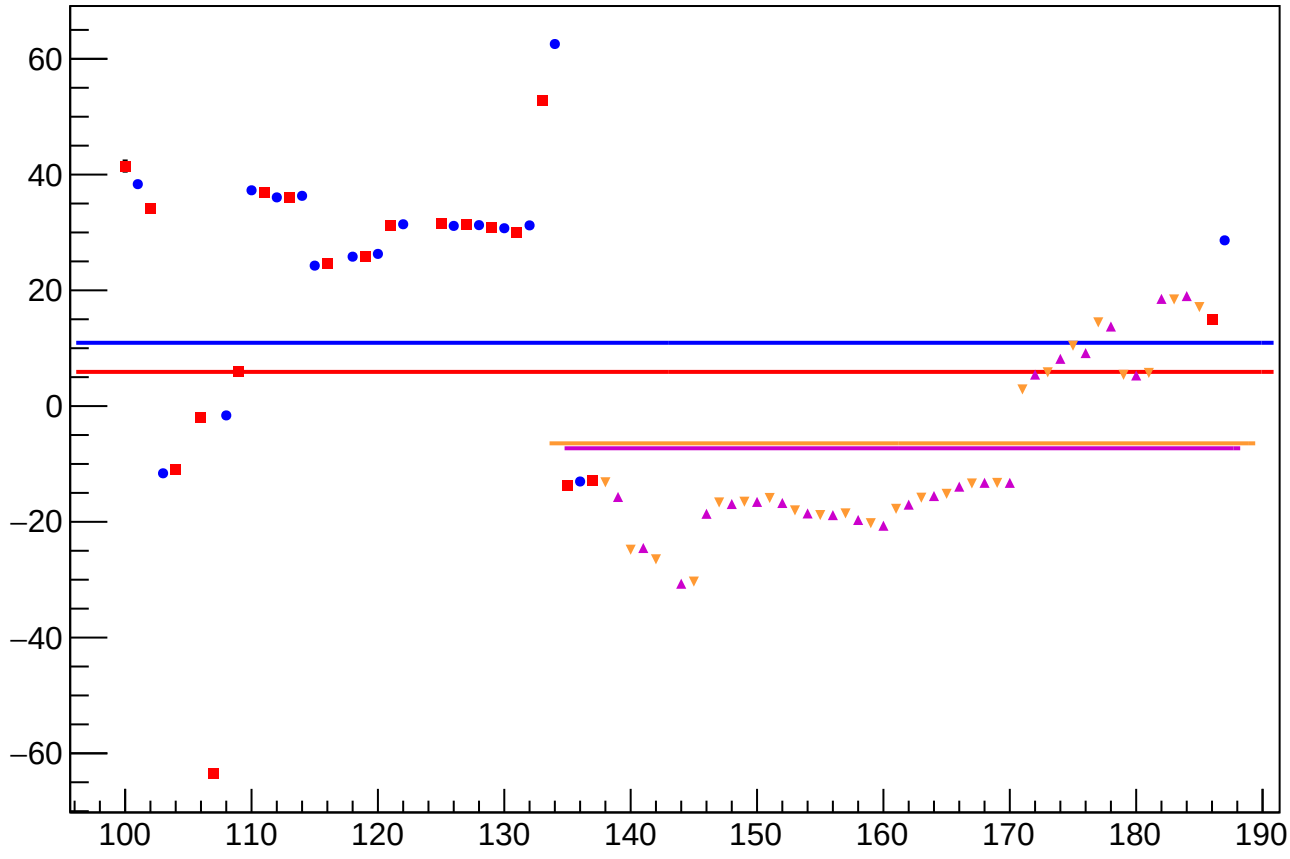
Right Out: -14.183+/-1.130 χ^2/NDF: 556.0/18

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -6.386+/-0.420 χ^2/NDF: 2748.9/40

All: -6.058+/-0.299 χ^2/NDF: 5225.6/82

- sign -5.723+/-0.425 χ^2/NDF: 2475.5/41



Right In: 10.937+/-0.062 χ^2/NDF: 165919.4/16

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 5.908+/-0.063 χ^2/NDF: 155689.8/18

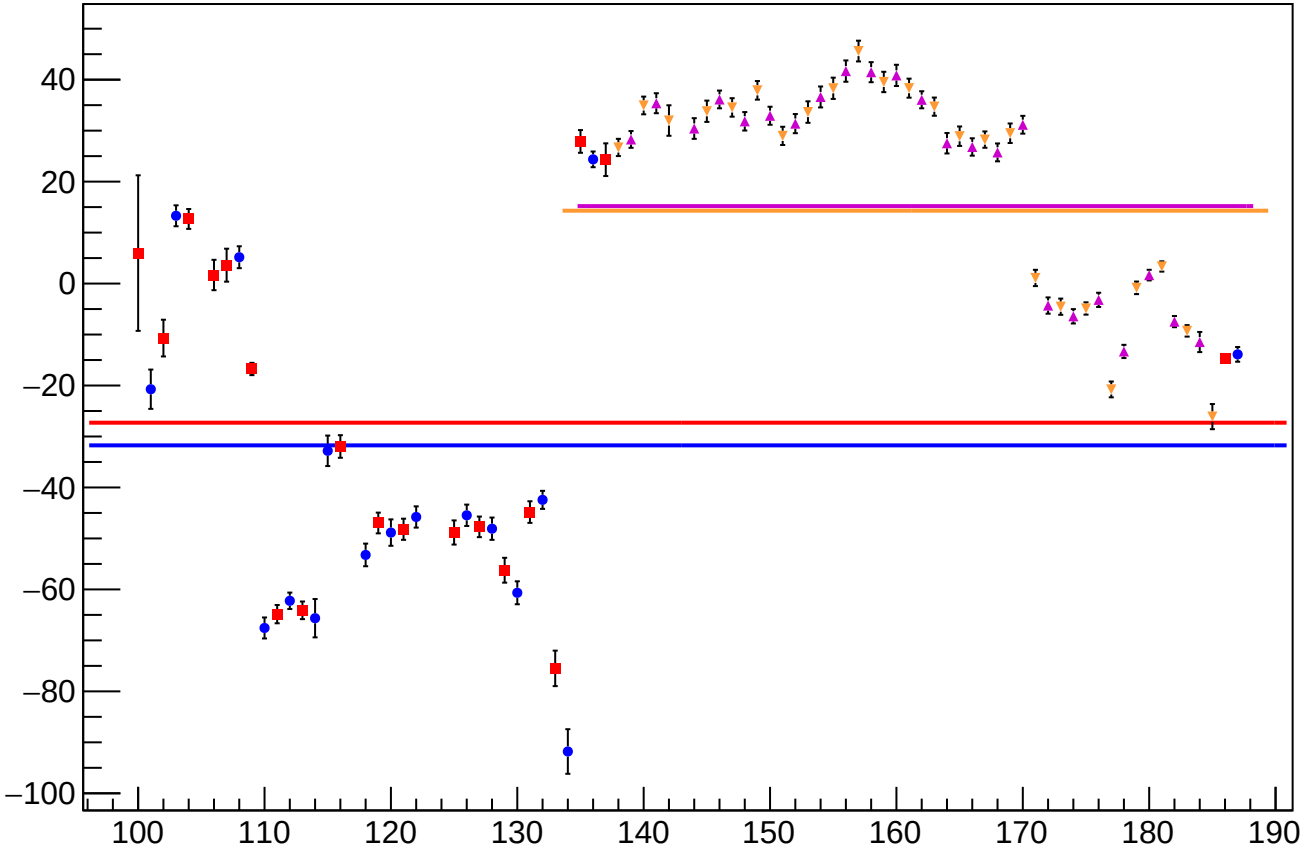
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -4.794+/-0.019 χ^2/NDF: 732626.0/40

All: -5.411+/-0.014 χ^2/NDF: 1418942.9/82

- sign -6.034+/-0.019 χ^2/NDF: 684247.4/41

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -31.741+/-0.512 χ^2/NDF: 3675.5/16

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

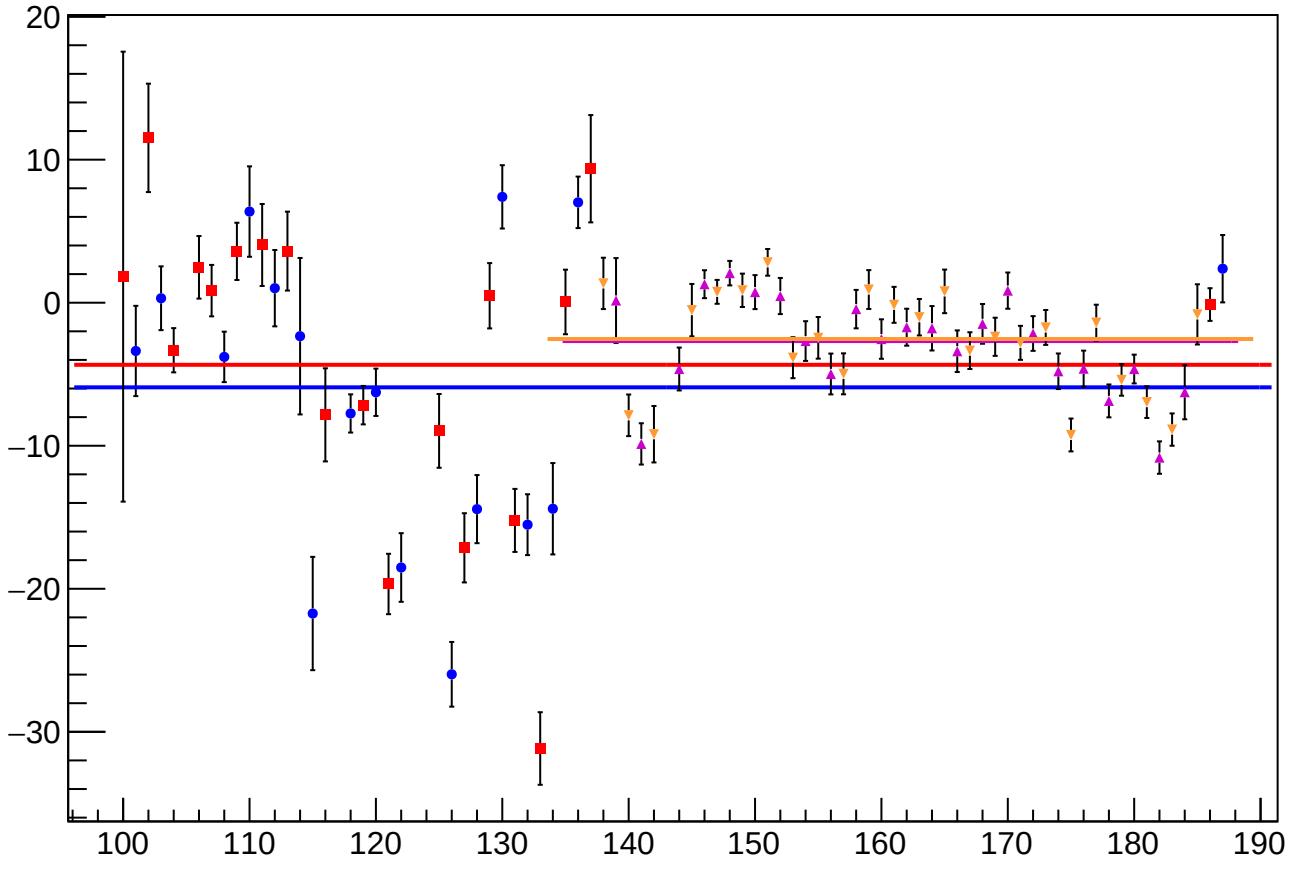
Right Out: -27.294+/-0.451 χ^2/NDF: 3439.7/18

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign 0.487+/-0.280 χ^2/NDF: 13059.3/40

All: 0.139+/-0.195 χ^2/NDF: 25580.9/82

- sign -0.186+/-0.271 χ^2/NDF: 12518.7/41



Right In: -5.917+/-0.539 χ^2/NDF: 296.7/16

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

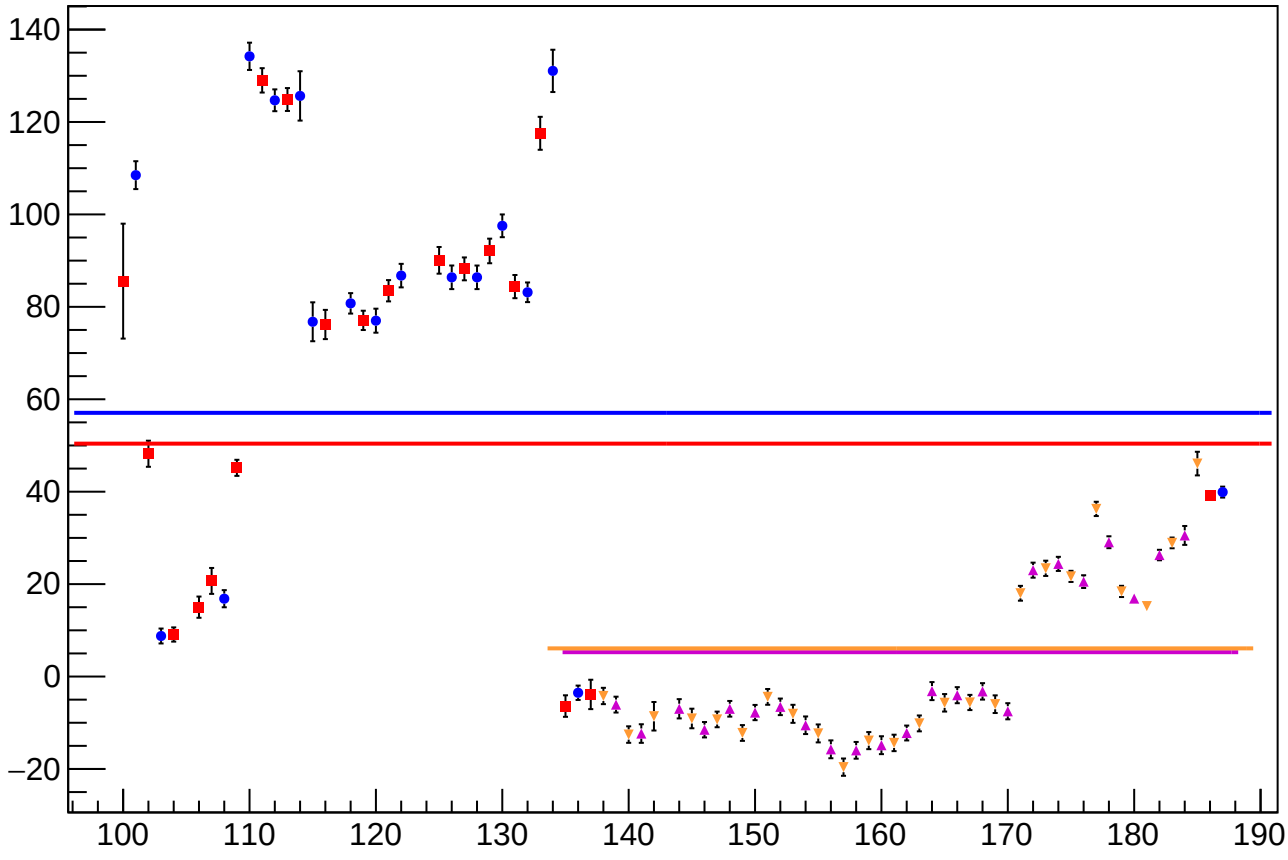
Right Out: -4.341+/-0.483 χ^2/NDF: 329.5/18

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -3.172+/-0.233 χ^2/NDF: 527.0/40

All: -3.118+/-0.165 χ^2/NDF: 1047.7/82

- sign -3.065+/-0.232 χ^2/NDF: 520.6/41



Right In: 57.063+/-0.531 χ^2/NDF: 6329.0/16

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 50.397+/-0.457 χ^2/NDF: 5633.1/18

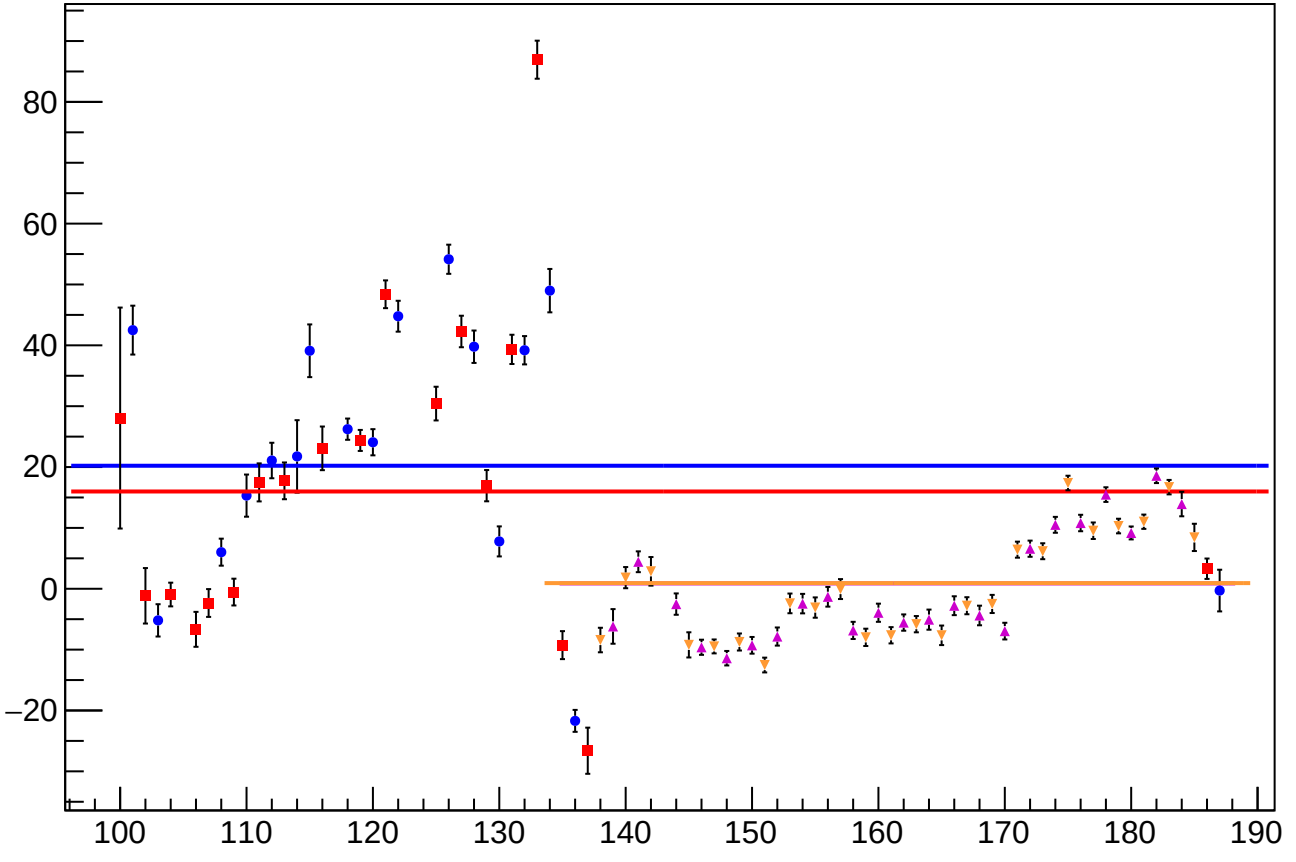
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

\+ sign 20.464+/-0.282 χ^2/NDF: 15712.5/40

All: 20.820+/-0.195 χ^2/NDF: 30127.8/82

\- sign 21.149+/-0.271 χ^2/NDF: 14412.2/41

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 20.214+/-0.629 χ^2/NDF: 1282.5/16

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

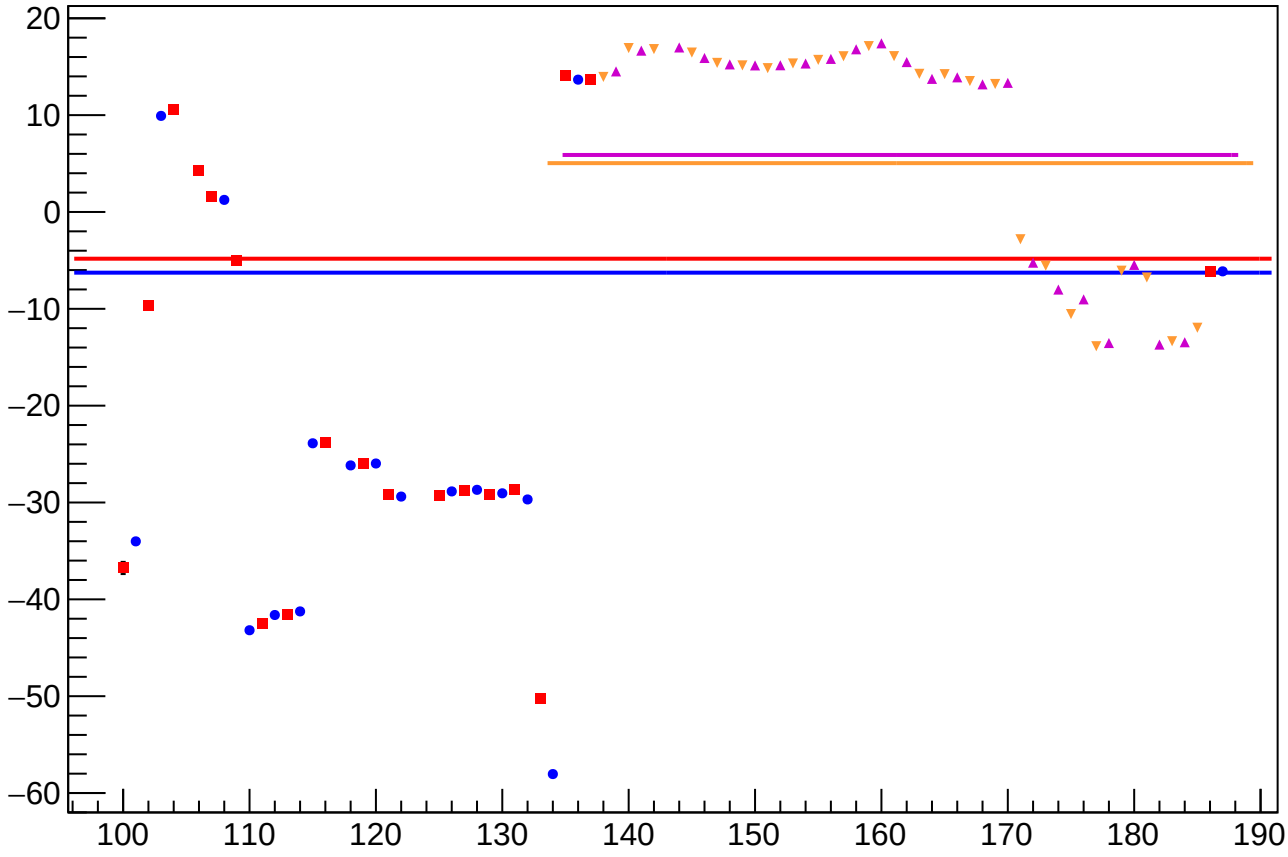
Right Out: 15.985+/-0.580 χ^2/NDF: 1547.1/18

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 4.342+/-0.265 χ^2/NDF: 3097.3/40

All: 4.181+/-0.187 χ^2/NDF: 6188.5/82

- sign 4.021+/-0.265 χ^2/NDF: 3090.4/41



Right In: -6.267+/-0.033 χ^2/NDF: 410461.5/16

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

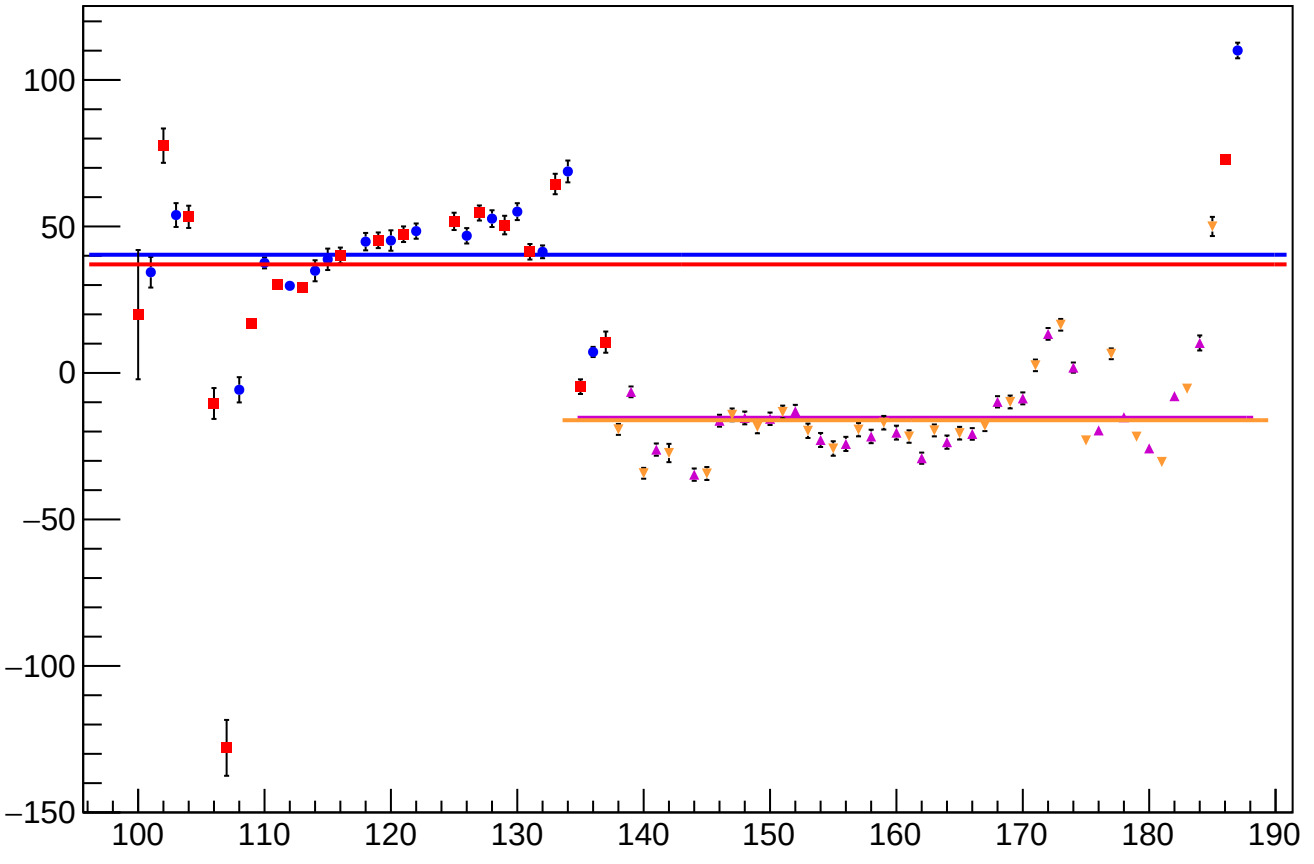
Right Out: -4.825+/-0.032 χ^2/NDF: 306797.0/18

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 3.503+/-0.012 χ^2/NDF: 1368067.8/40

All: 3.937+/-0.009 χ^2/NDF: 2617462.7/82

- sign 4.375+/-0.012 χ^2/NDF: 1246825.1/41



Right In: 40.346+/-0.637 χ^2/NDF: 1348.4/16

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 37.054+/-0.592 χ^2/NDF: 1617.5/18

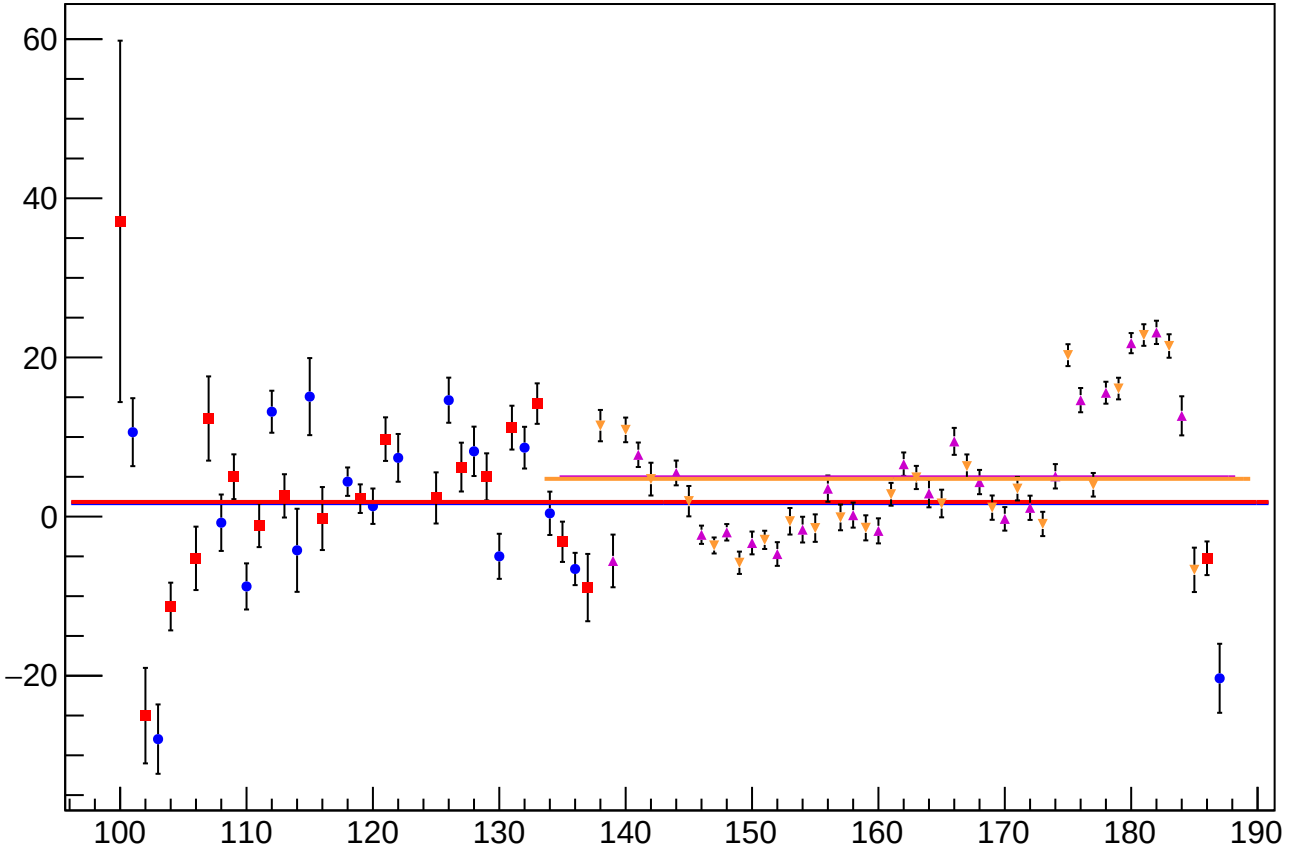
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

\+ sign -0.294+/-0.338 χ^2/NDF: 8363.2/40

All: 0.520+/-0.237 χ^2/NDF: 16100.7/82

\- sign 1.313+/-0.333 χ^2/NDF: 7726.0/41

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 1.689+/-0.692 χ^2/NDF: 178.4/16

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: 1.842+/-0.678 χ^2/NDF: 119.7/18

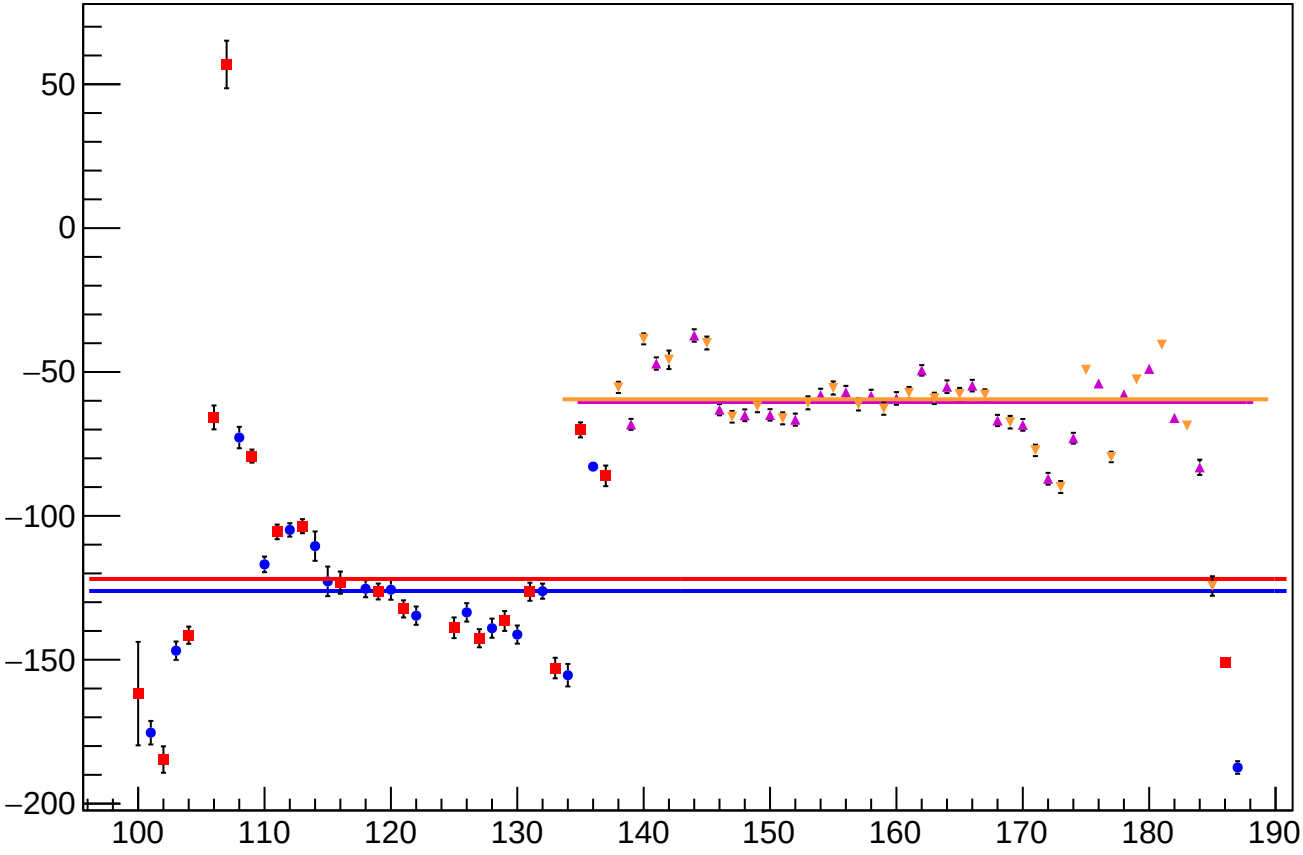
Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 4.244+/-0.280 χ^2/NDF: 988.5/40

All: 4.317+/-0.200 χ^2/NDF: 1813.9/82

- sign 4.391+/-0.284 χ^2/NDF: 825.2/41

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -126.108+/-0.715 χ^2/NDF: 1998.2/16

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

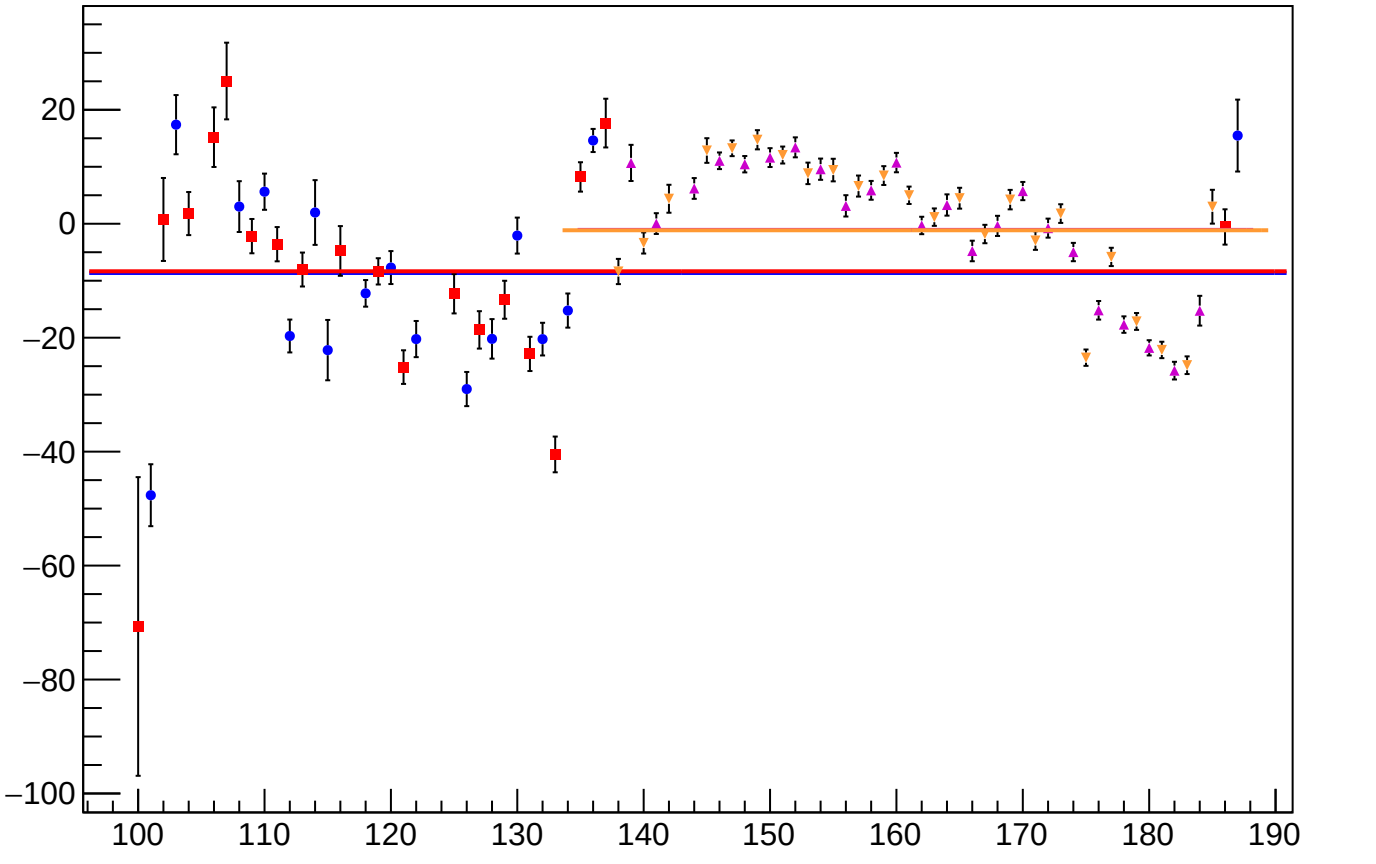
Right Out: -121.923+/-0.665 χ^2/NDF: 2457.4/18

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -75.045+/-0.346 χ^2/NDF: 10019.8/40

All: -75.903+/-0.243 χ^2/NDF: 19441.1/82

\- sign -76.745+/-0.342 χ^2/NDF: 9409.1/41



Right In: -8.638+/-0.789 χ^2/NDF: 372.8/16

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

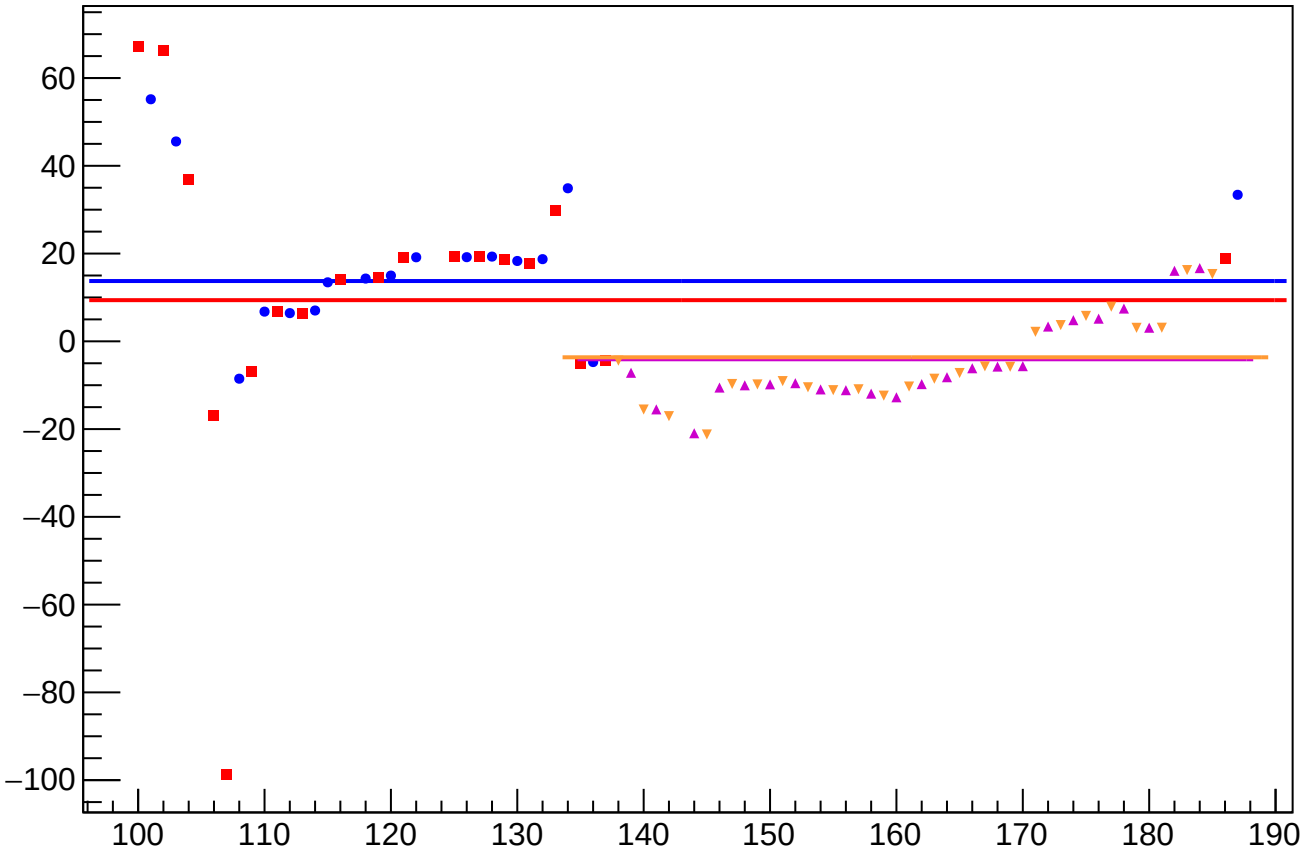
Right Out: -8.346+/-0.784 χ^2/NDF: 325.5/18

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -2.349+/-0.317 χ^2/NDF: 1751.4/40

All: -2.325+/-0.225 χ^2/NDF: 3305.8/82

- sign -2.299+/-0.321 χ^2/NDF: 1554.3/41



Right In: 13.740+/-0.045 χ^2/NDF: 186901.1/16

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

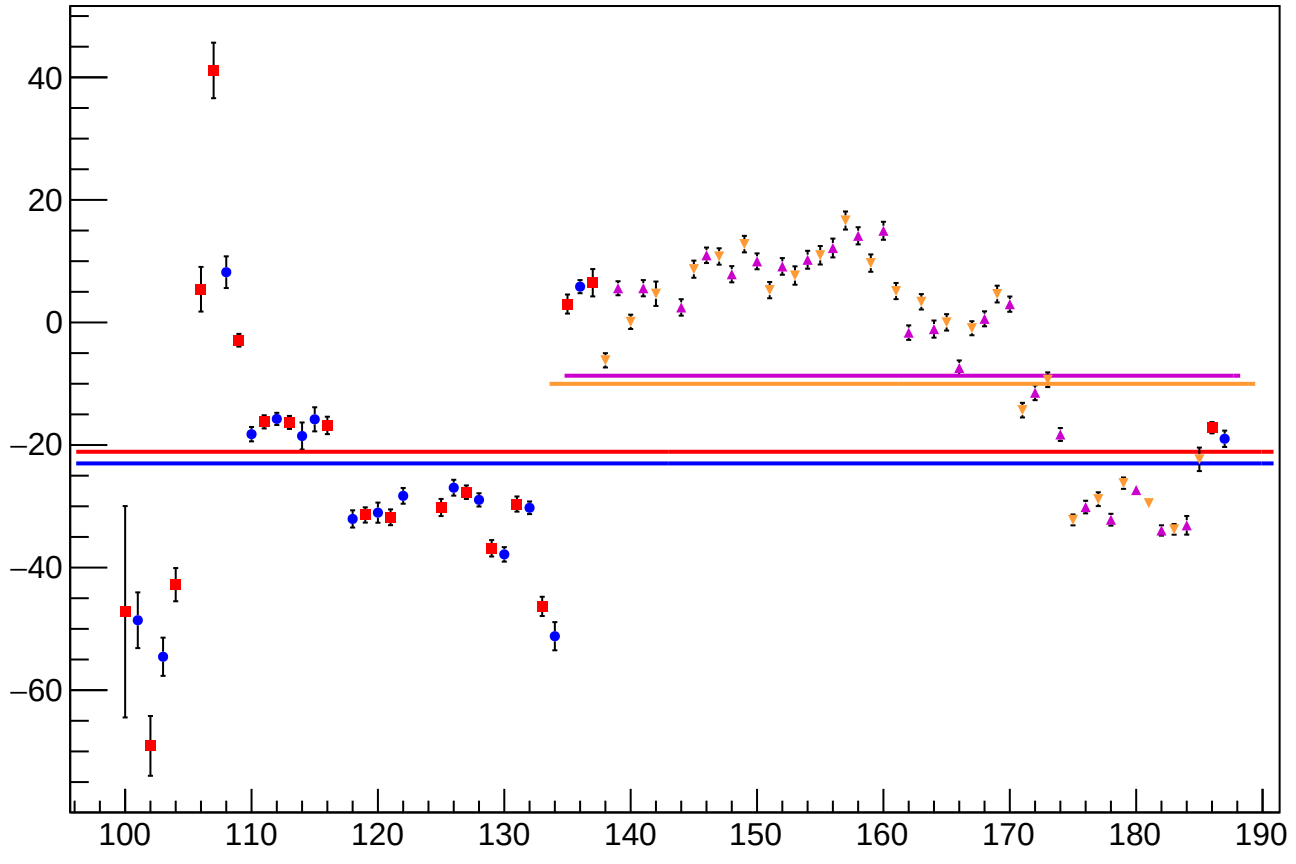
Right Out: 9.381+/-0.046 χ^2/NDF: 293046.2/18

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -1.799+/-0.015 χ^2/NDF: 666661.5/40

All: -2.261+/-0.010 χ^2/NDF: 1371010.5/82

- sign -2.730+/-0.015 χ^2/NDF: 702335.6/41



Right In: -23.003+/-0.339 χ^2/NDF: 1577.6/16

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

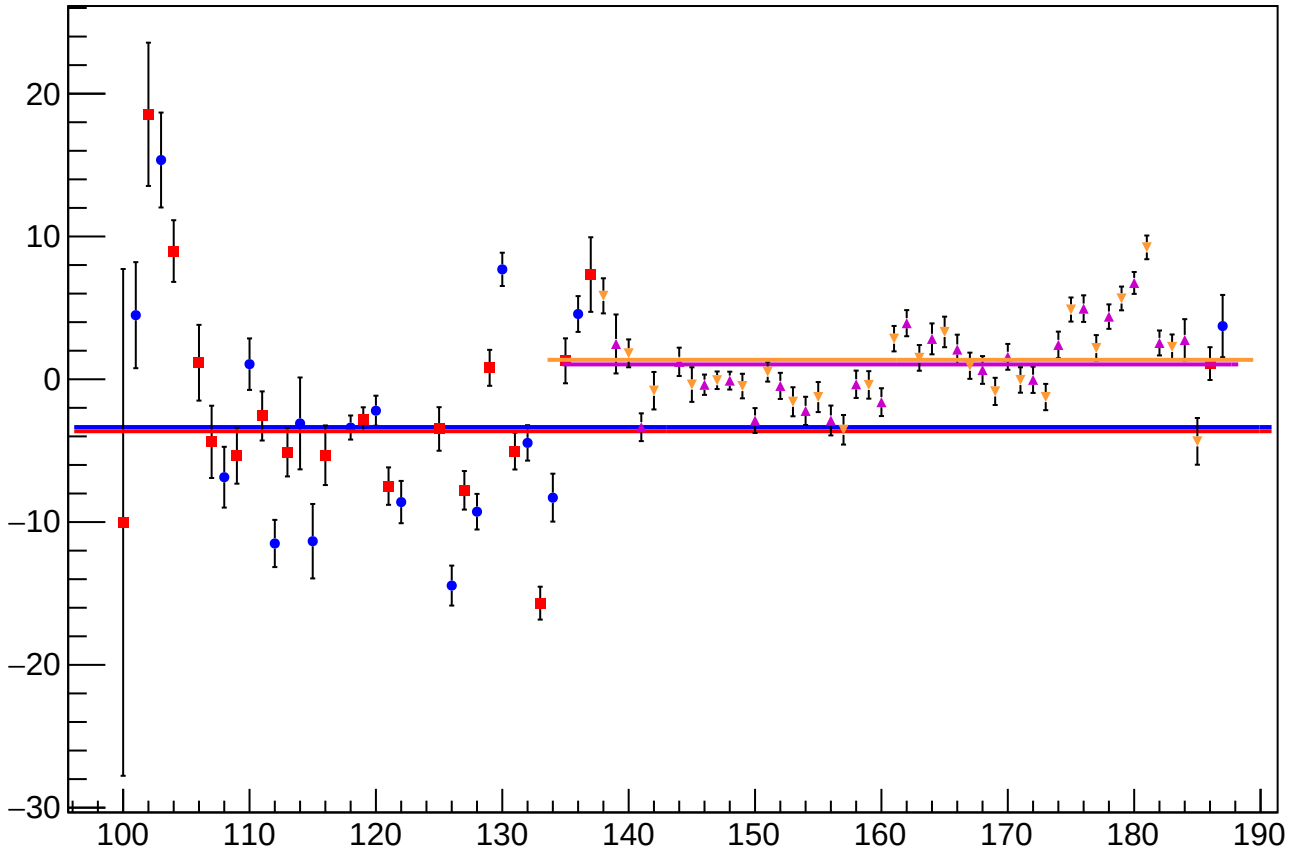
Right Out: -21.101+/-0.325 χ^2/NDF: 1834.4/18

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -14.456+/-0.198 χ^2/NDF: 7521.9/40

All: -13.849+/-0.140 χ^2/NDF: 15319.4/82

- sign -13.249+/-0.197 χ^2/NDF: 7778.8/41



Right In: -3.346+/-0.358 χ^2/NDF: 327.6/16

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

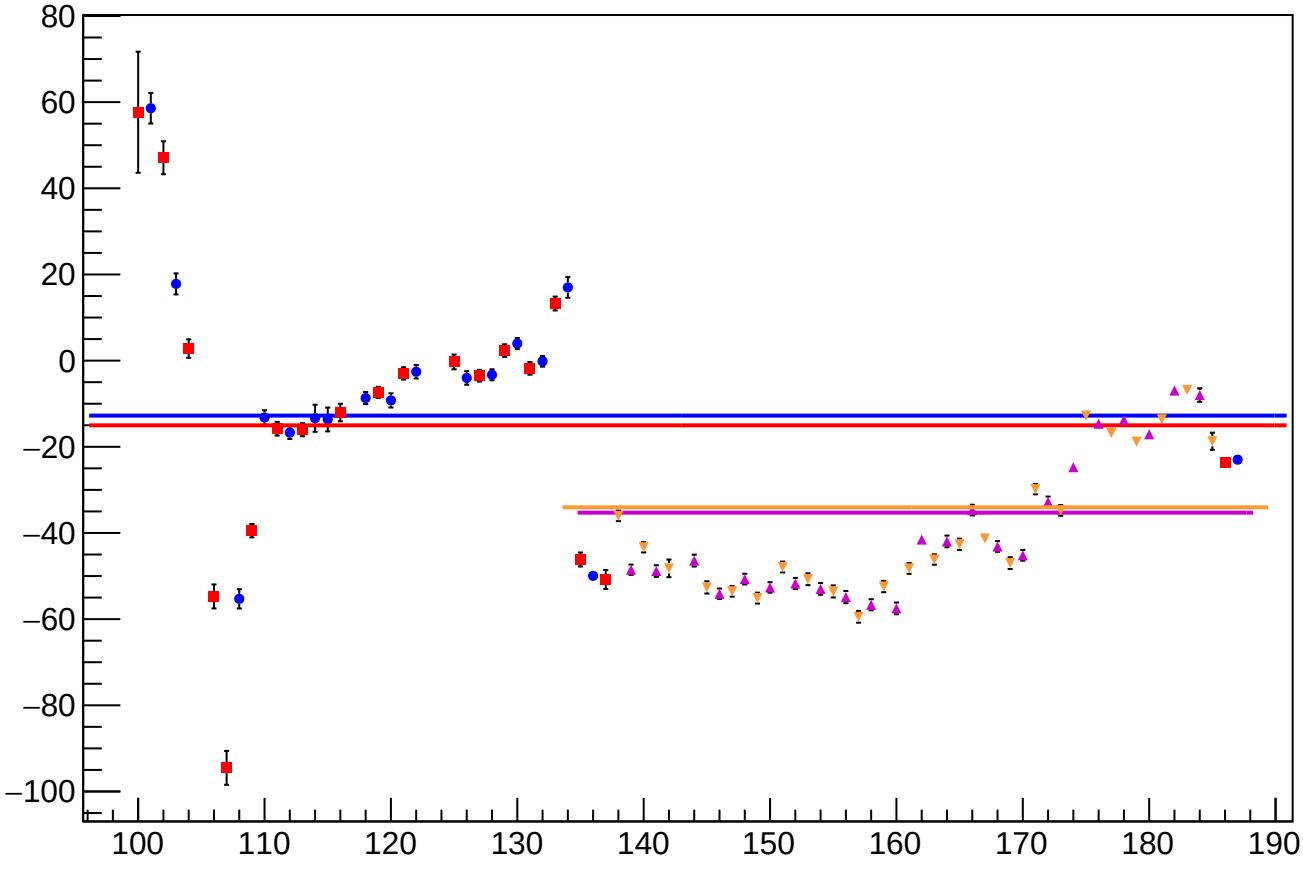
Right Out: -3.639+/-0.353 χ^2/NDF: 246.2/18

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.340+/-0.167 χ^2/NDF: 703.5/40

All: 0.156+/-0.119 χ^2/NDF: 1283.8/82

- sign -0.032+/-0.169 χ^2/NDF: 577.9/41



Right In: -12.759+/-0.380 χ^2/NDF: 2760.8/16

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

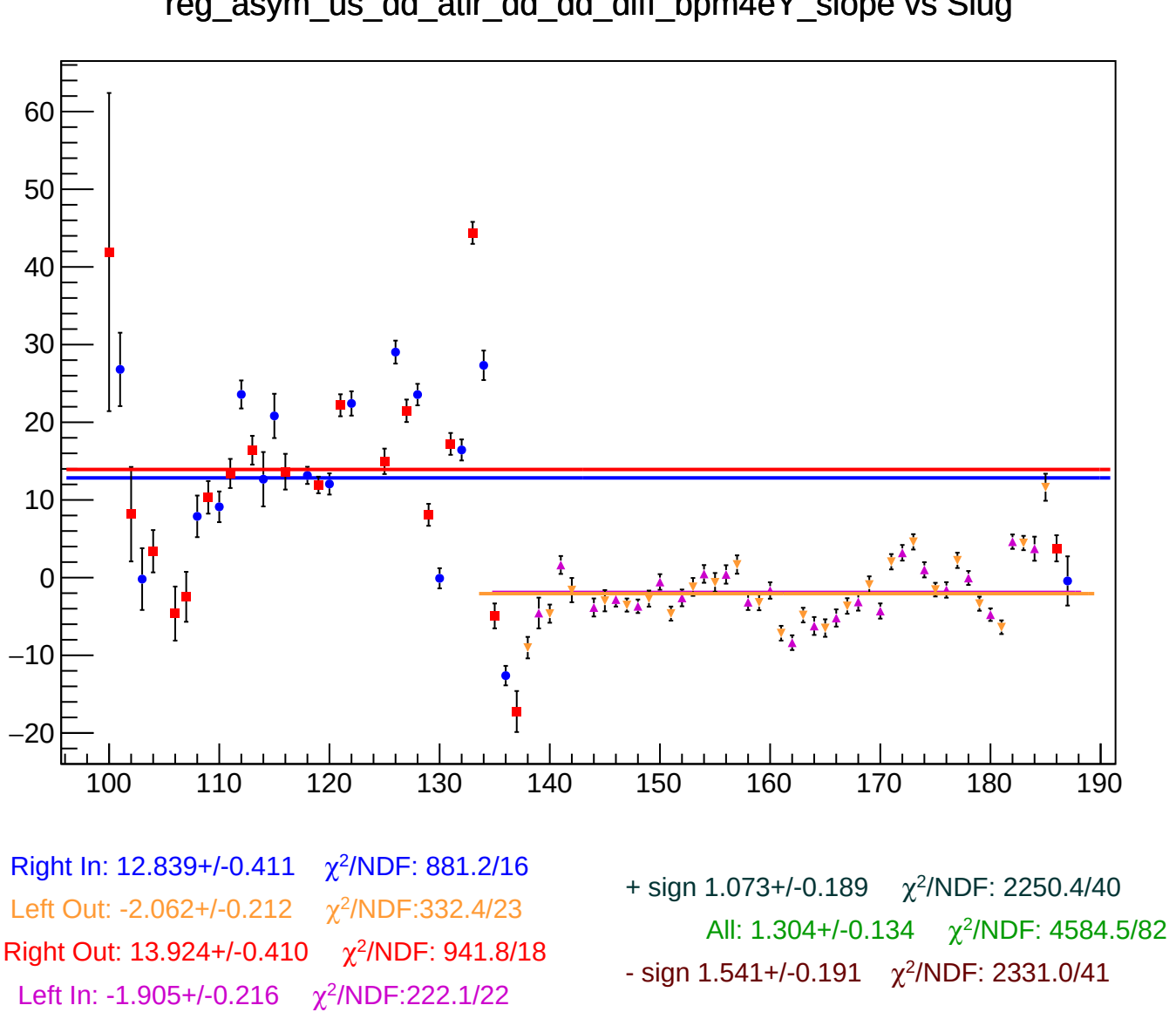
Right Out: -15.020+/-0.360 χ^2/NDF: 2774.6/18

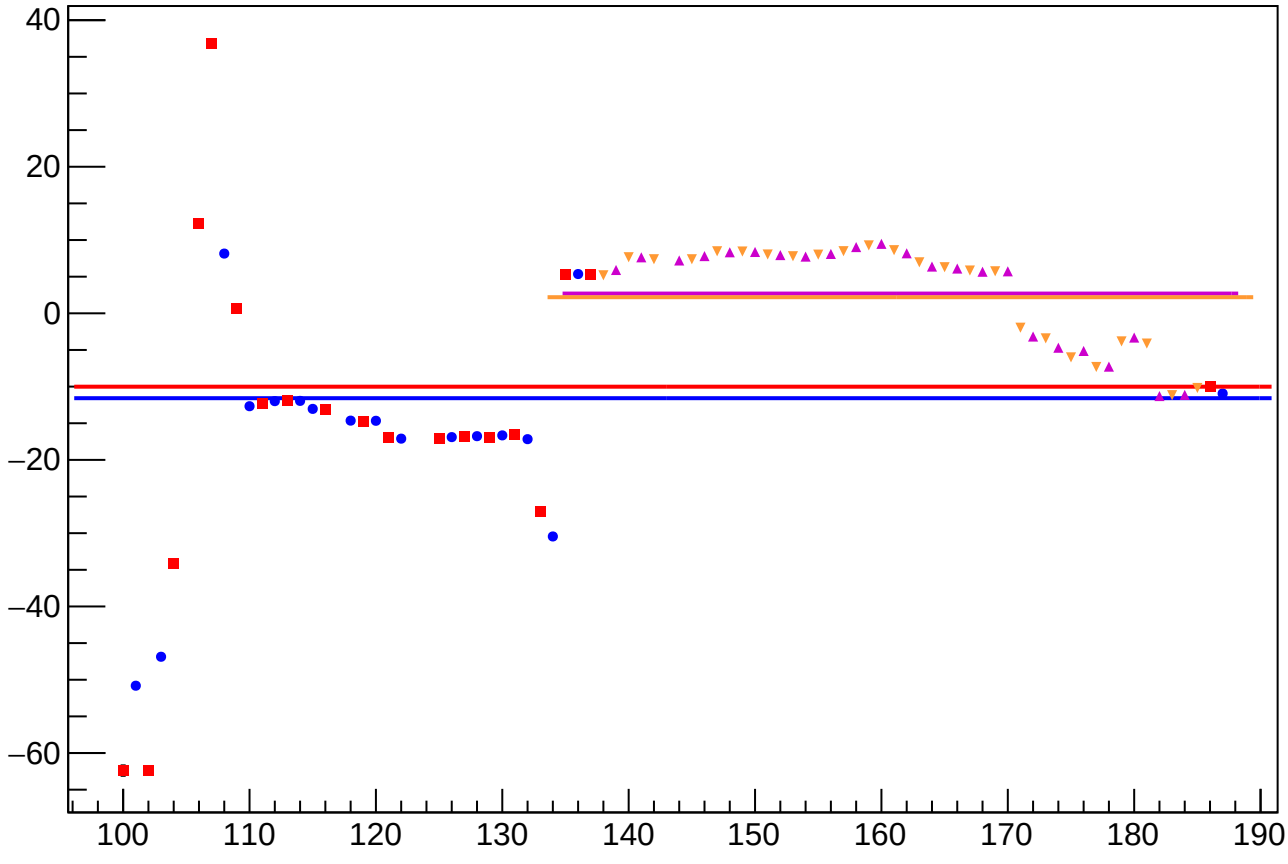
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -27.886+/-0.205 χ^2/NDF: 9951.0/40

All: -28.381+/-0.144 χ^2/NDF: 19894.4/82

- sign -28.867+/-0.203 χ^2/NDF: 9931.8/41


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: 12.839+/-0.411 χ²/NDF: 881.2/16
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 13.924+/-0.410 χ²/NDF: 941.8/18
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
+ sign 1.073+/-0.189 χ²/NDF: 2250.4/40
All: 1.304+/-0.134 χ²/NDF: 4584.5/82
- sign 1.541+/-0.191 χ²/NDF: 2331.0/41



Right In: -11.581+/-0.026 χ^2/NDF: 360537.0/16

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -10.011+/-0.027 χ^2/NDF: 396286.9/18

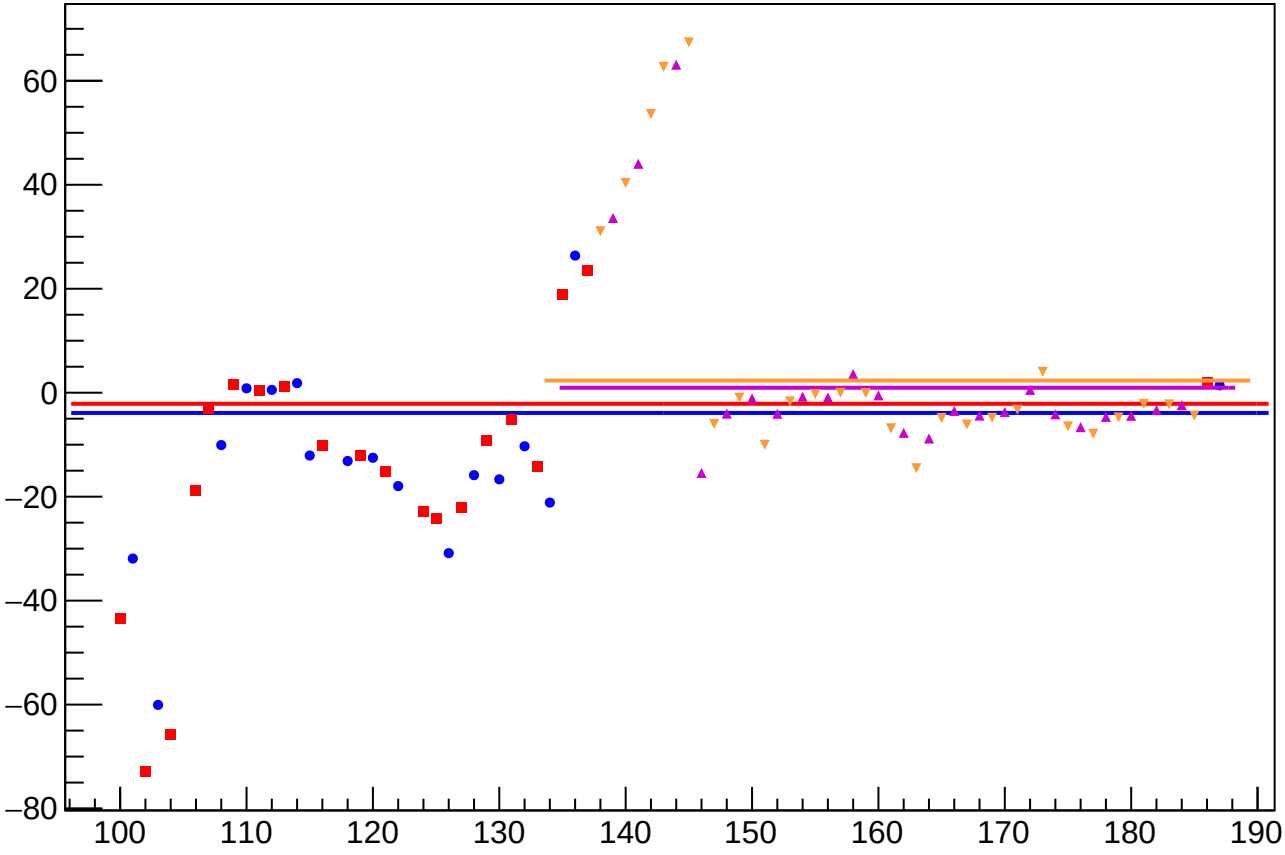
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign 0.578+/-0.009 χ^2/NDF: 1116648.5/40

All: 0.914+/-0.006 χ^2/NDF: 2214897.8/82

- sign 1.256+/-0.009 χ^2/NDF: 1095386.7/41

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: -3.894+/-0.053 χ^2/NDF: 75728.2/16

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -2.131+/-0.045 χ^2/NDF: 81257.9/19

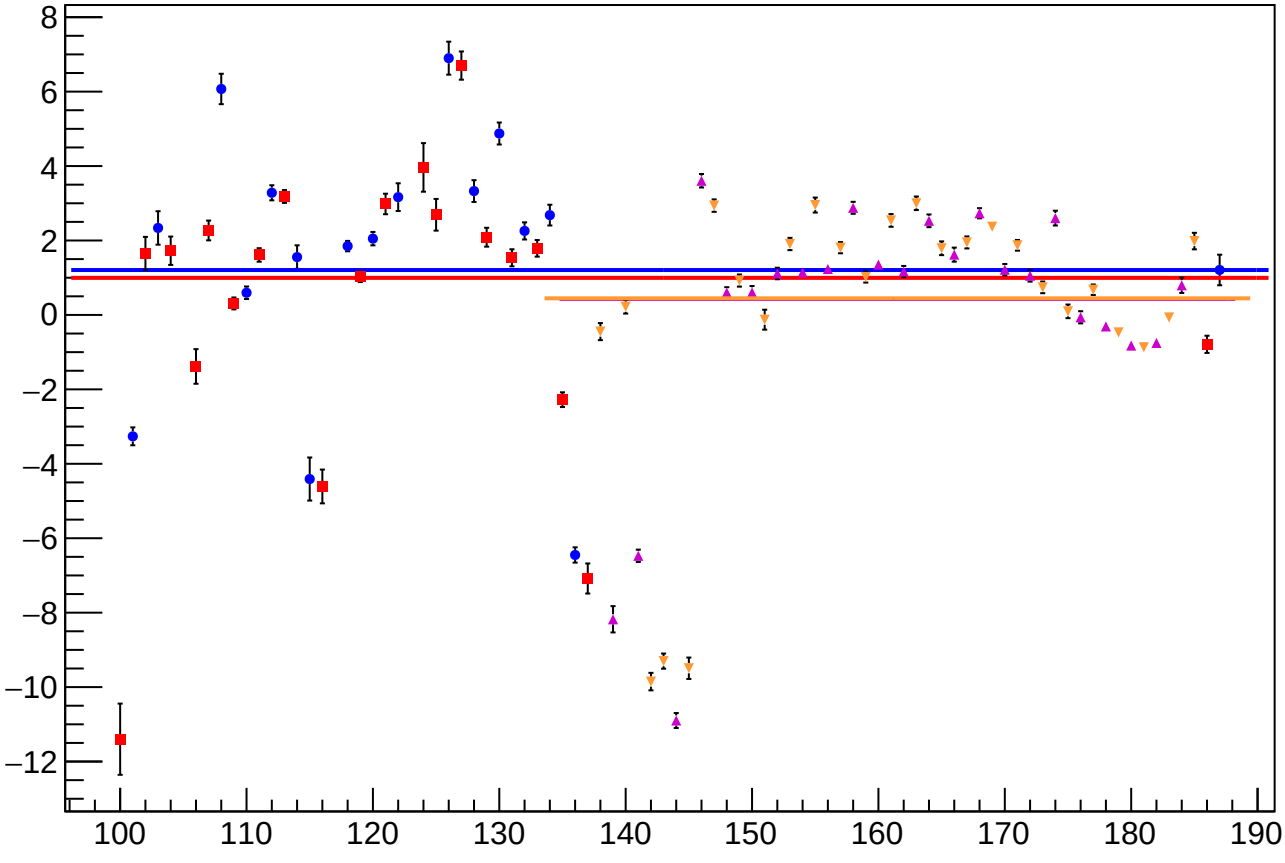
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 0.083+/-0.032 χ^2/NDF: 261400.8/41

All: -0.183+/-0.022 χ^2/NDF: 477954.9/84

- sign -0.411+/-0.030 χ^2/NDF: 216427.4/42

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/16

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.996+/-0.056 χ^2/NDF: 1650.7/19

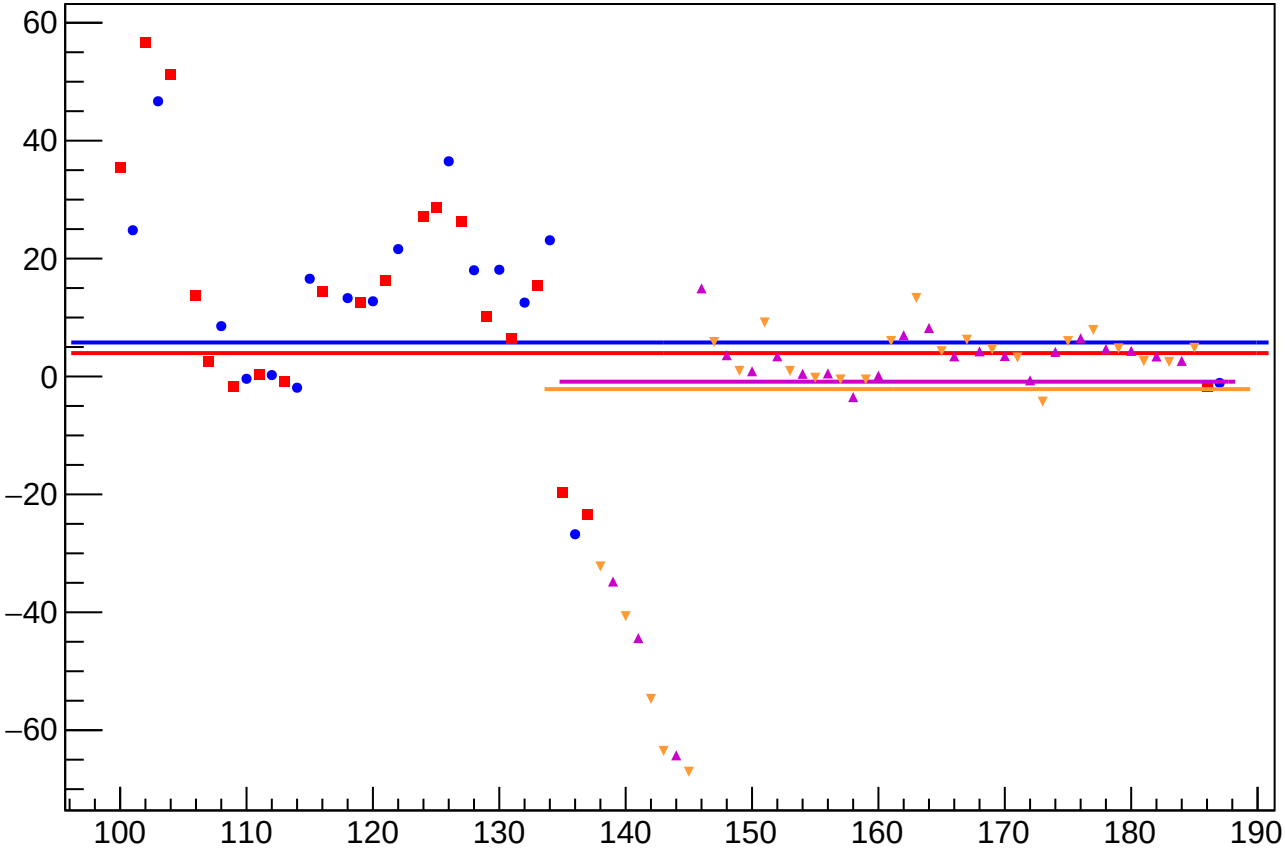
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.622+/-0.029 χ^2/NDF: 9752.9/41

All: 0.592+/-0.020 χ^2/NDF: 18587.5/84

- sign 0.565+/-0.027 χ^2/NDF: 8832.5/42

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: 5.768+/-0.062 χ^2/NDF: 71886.0/16

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 3.966+/-0.055 χ^2/NDF: 76913.9/19

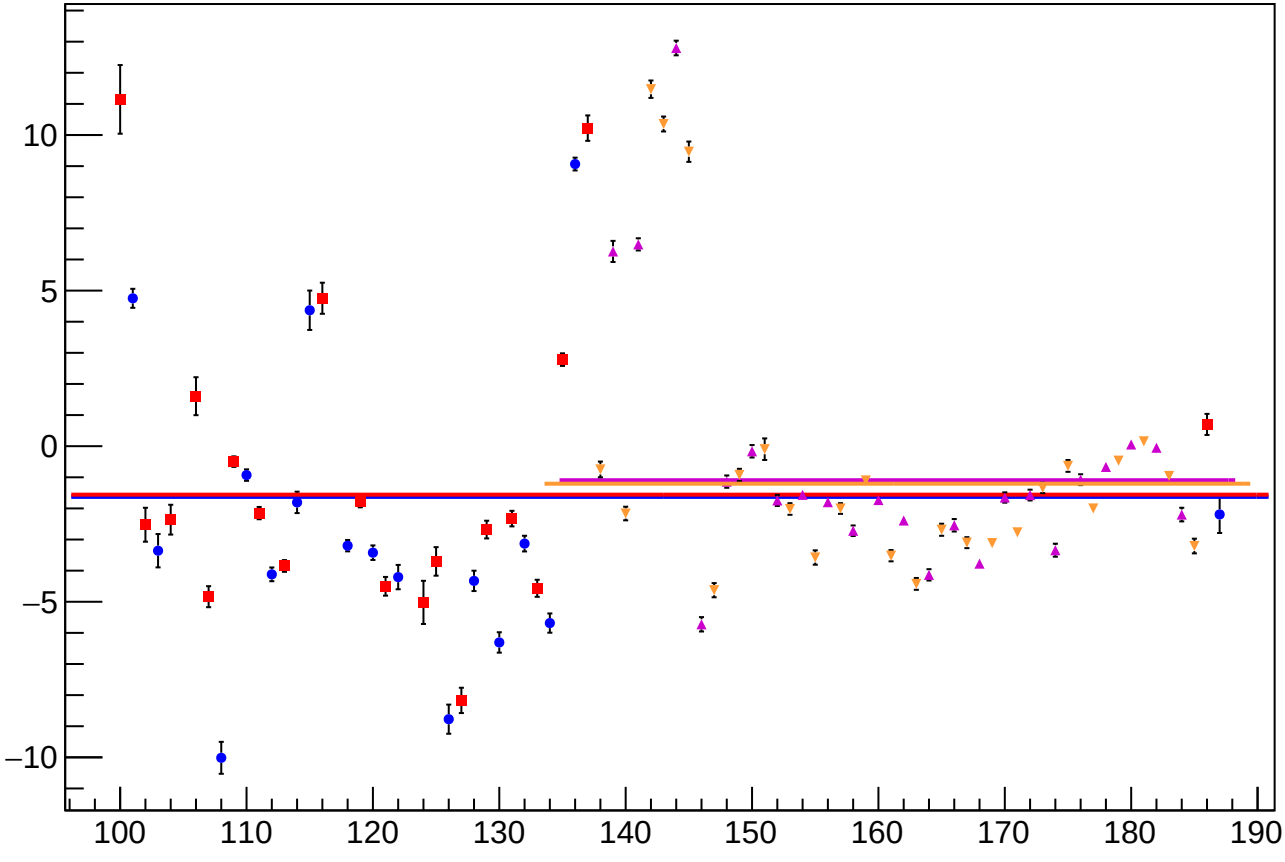
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign 0.193+/-0.034 χ^2/NDF: 254563.4/41

All: 0.493+/-0.023 χ^2/NDF: 465966.9/84

- sign 0.761+/-0.032 χ^2/NDF: 211254.5/42

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.629+/-0.069 χ^2/NDF: 4526.2/16

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

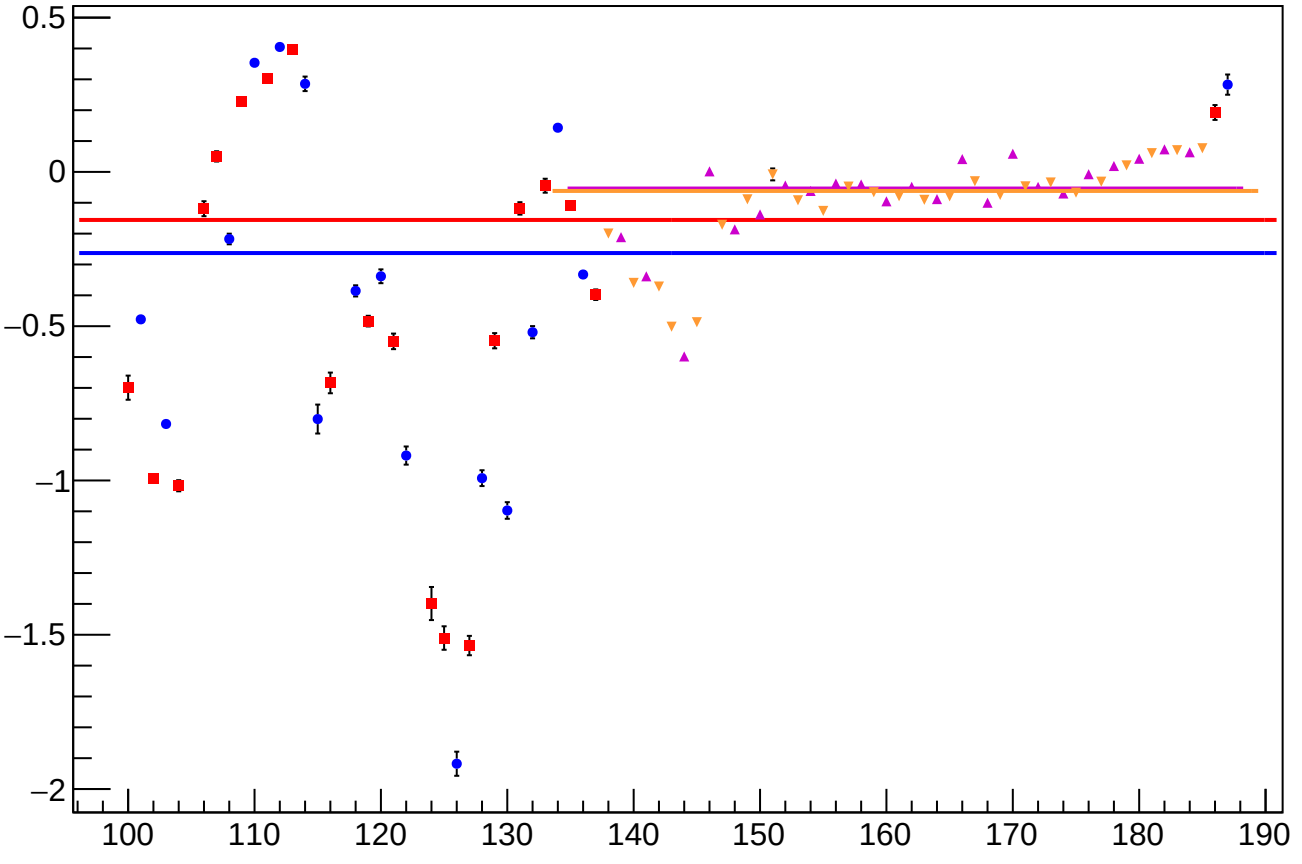
Right Out: -1.558+/-0.063 χ^2/NDF: 2508.2/19

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.297+/-0.032 χ^2/NDF: 11558.6/41

All: -1.247+/-0.022 χ^2/NDF: 21141.9/84

- sign -1.201+/-0.031 χ^2/NDF: 9578.6/42



Right In: -0.263+/-0.004 χ^2/NDF: 12330.0/16

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: -0.156+/-0.004 χ^2/NDF: 15711.1/19

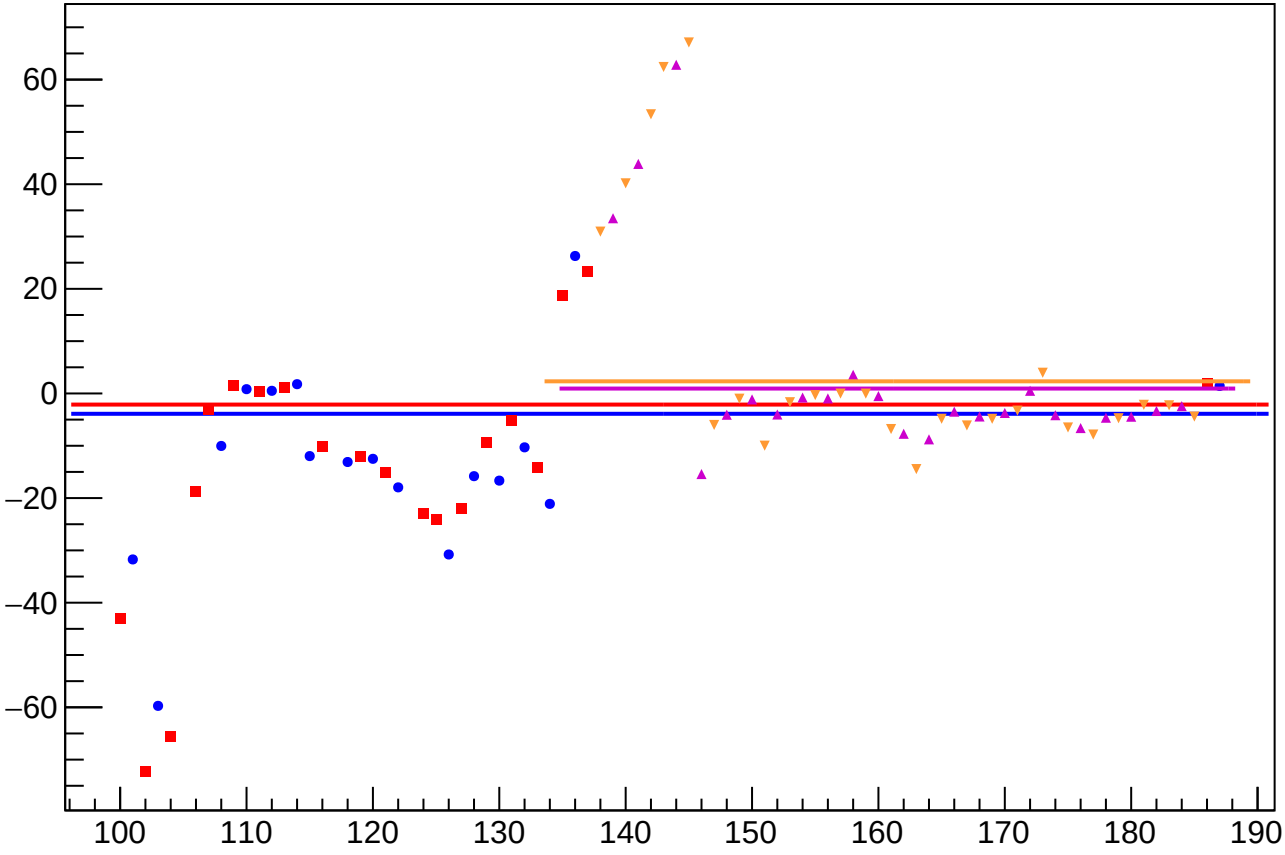
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.088+/-0.001 χ^2/NDF: 20119.7/41

All: -0.077+/-0.001 χ^2/NDF: 41591.5/84

- sign -0.068+/-0.001 χ^2/NDF: 21376.5/42

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: -3.888+/-0.053 χ^2/NDF: 75711.8/16

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -2.126+/-0.044 χ^2/NDF: 81190.7/19

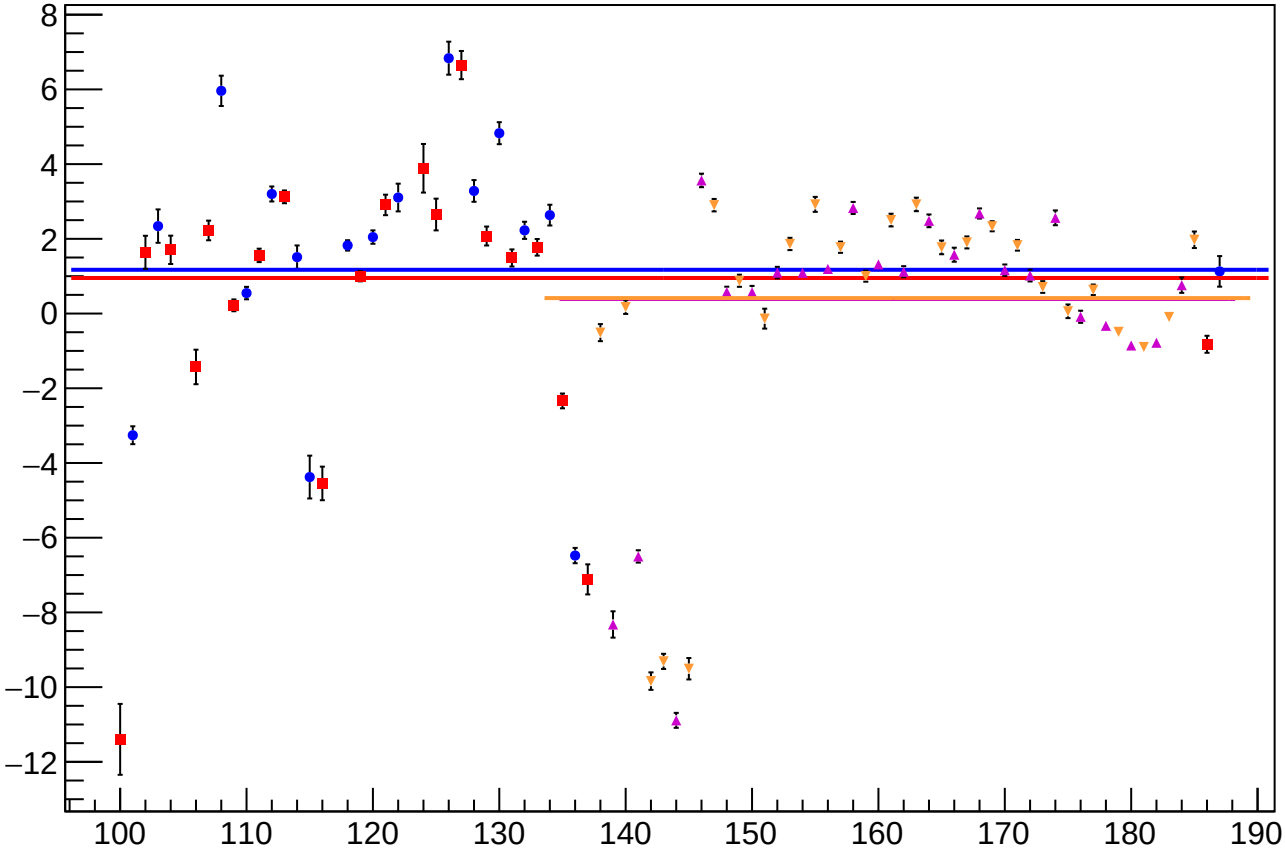
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 0.062+/-0.032 χ^2/NDF: 261151.1/41

All: -0.201+/-0.022 χ^2/NDF: 477502.7/84

- sign -0.427+/-0.030 χ^2/NDF: 216226.1/42

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.171+/-0.059 χ^2/NDF: 2584.5/16

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.952+/-0.055 χ^2/NDF: 1661.1/19

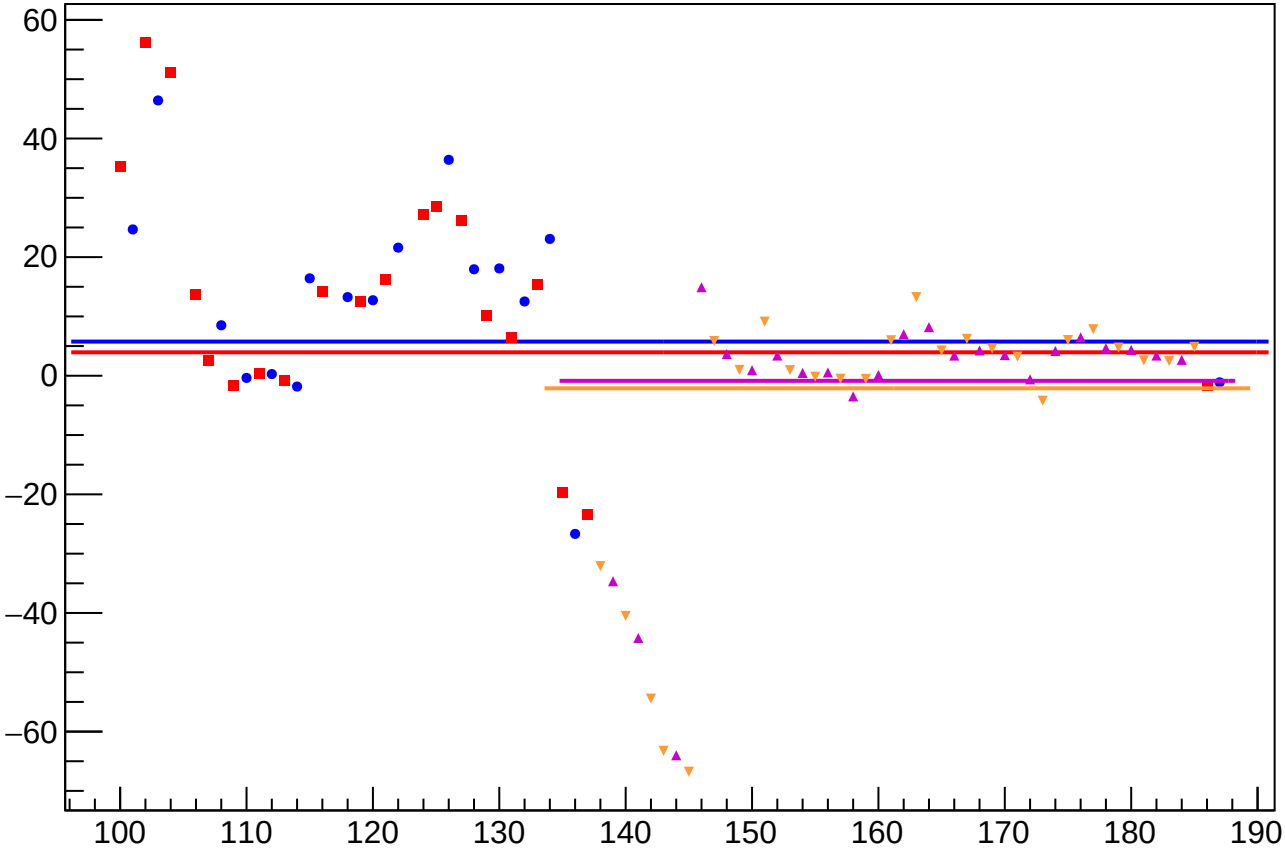
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.590+/-0.029 χ^2/NDF: 9756.3/41

All: 0.556+/-0.020 χ^2/NDF: 18612.7/84

- sign 0.526+/-0.027 χ^2/NDF: 8853.8/42

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: 5.759+/-0.062 χ^2/NDF: 71856.5/16

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 3.950+/-0.055 χ^2/NDF: 76845.5/19

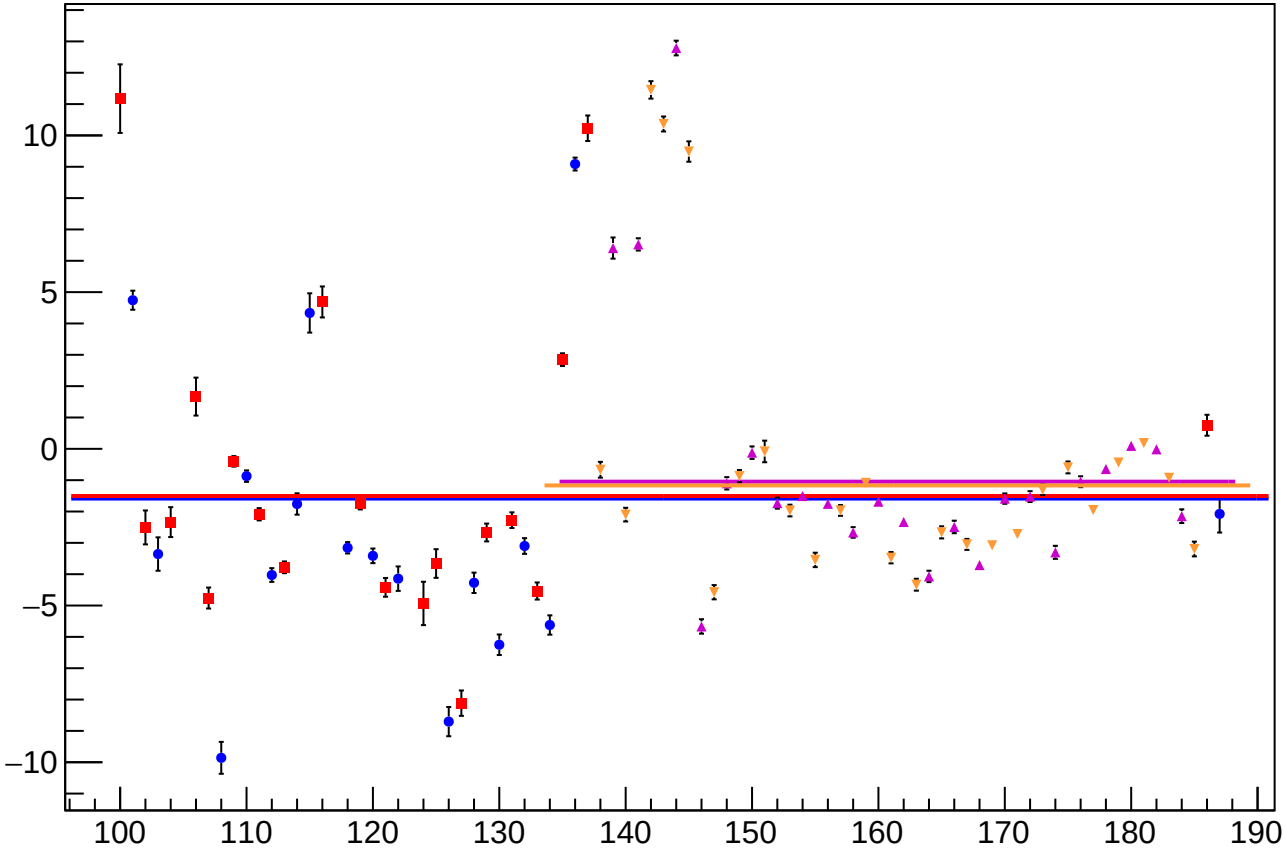
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign 0.214+/-0.034 χ^2/NDF: 254316.0/41

All: 0.512+/-0.023 χ^2/NDF: 465509.4/84

- sign 0.779+/-0.032 χ^2/NDF: 211044.7/42

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.586+/-0.069 χ^2/NDF: 4524.9/16

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.506+/-0.063 χ^2/NDF: 2519.6/19

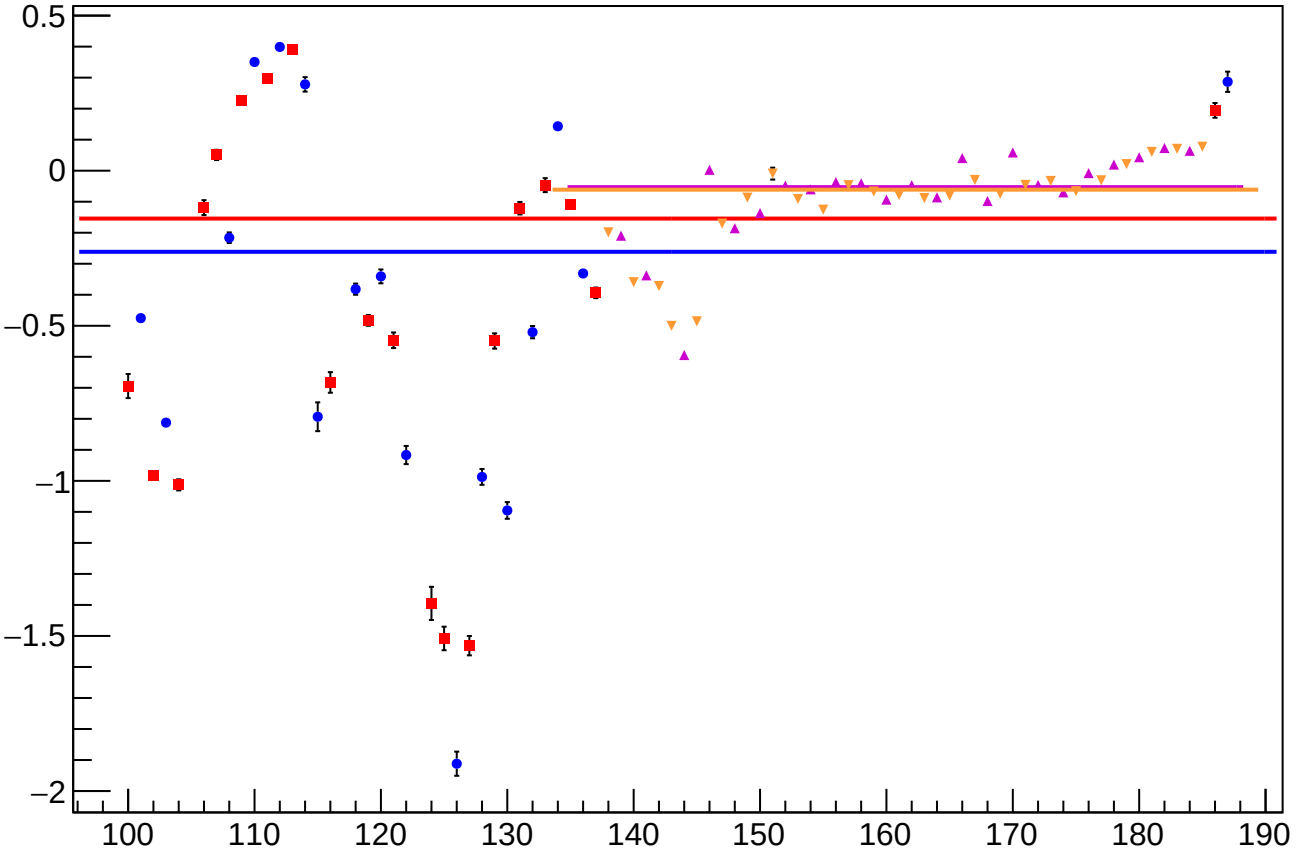
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.258+/-0.032 χ^2/NDF: 11555.4/41

All: -1.204+/-0.022 χ^2/NDF: 21161.6/84

- sign -1.155+/-0.030 χ^2/NDF: 9600.7/42

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: -0.262+/-0.004 χ^2/NDF: 12322.4/16

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: -0.154+/-0.004 χ^2/NDF: 15730.6/19

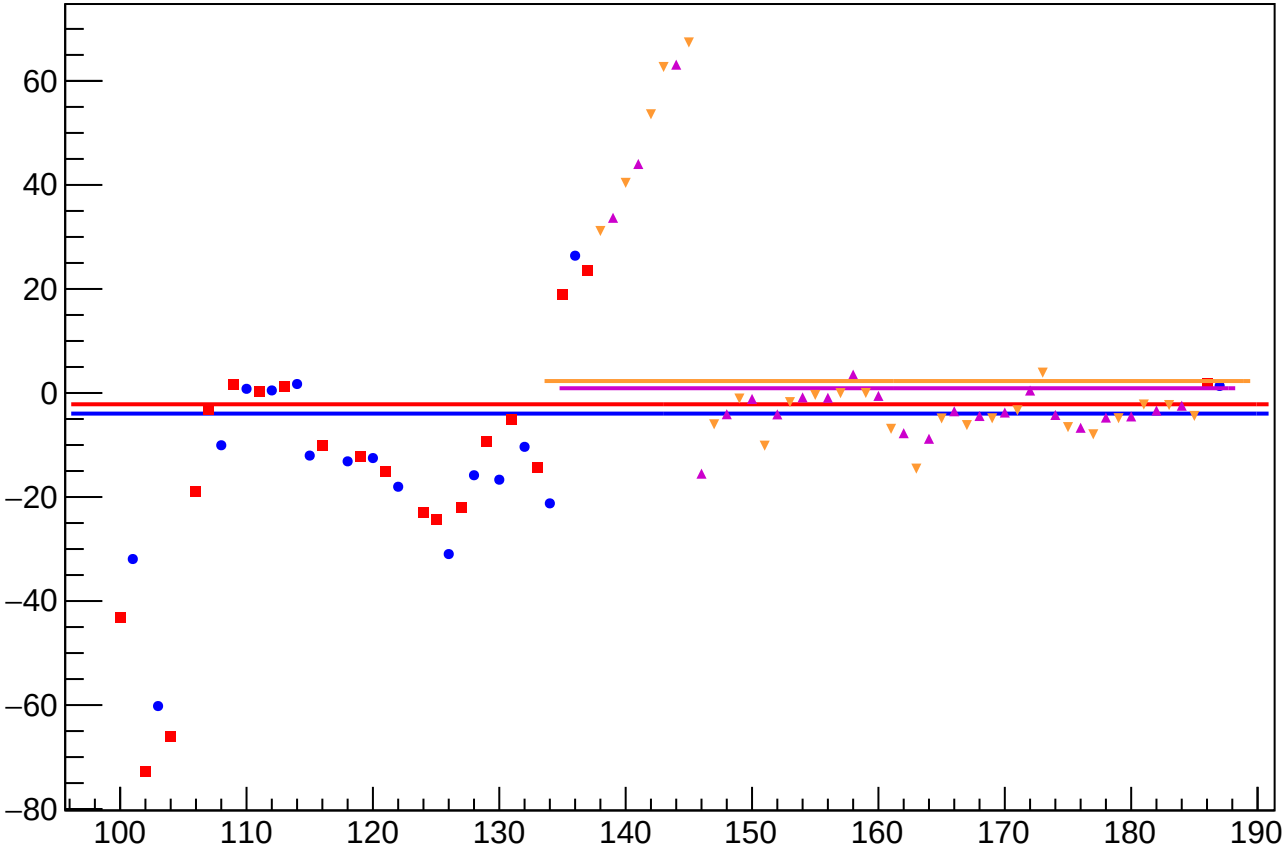
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.087+/-0.001 χ^2/NDF: 20129.7/41

All: -0.076+/-0.001 χ^2/NDF: 41600.5/84

- sign -0.067+/-0.001 χ^2/NDF: 21371.8/42

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: -3.962+/-0.053 χ^2/NDF: 75684.4/16

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -2.170+/-0.045 χ^2/NDF: 81243.8/19

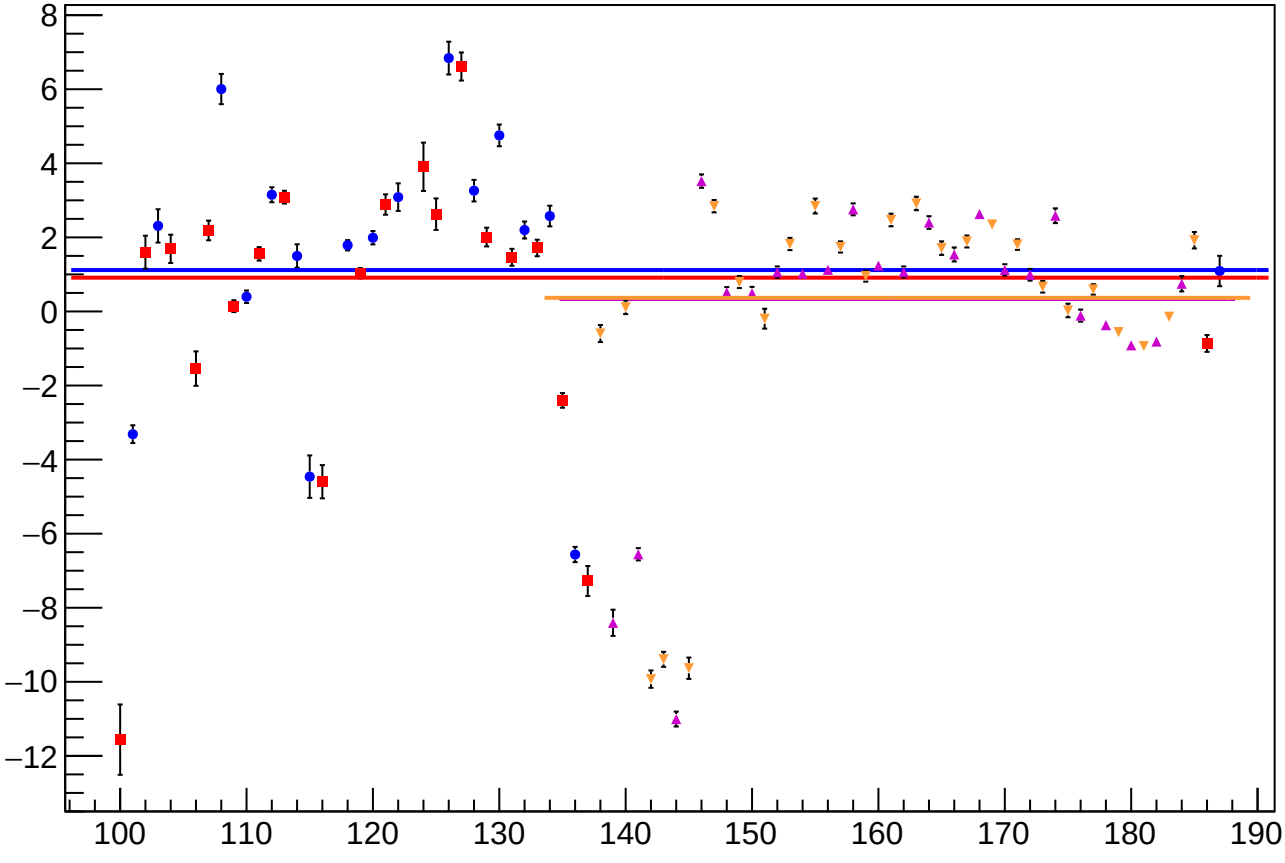
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 0.028+/-0.032 χ^2/NDF: 261609.5/41

All: -0.231+/-0.022 χ^2/NDF: 478185.6/84

- sign -0.454+/-0.030 χ^2/NDF: 216455.3/42

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/16

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.912+/-0.056 χ^2/NDF: 1676.9/19

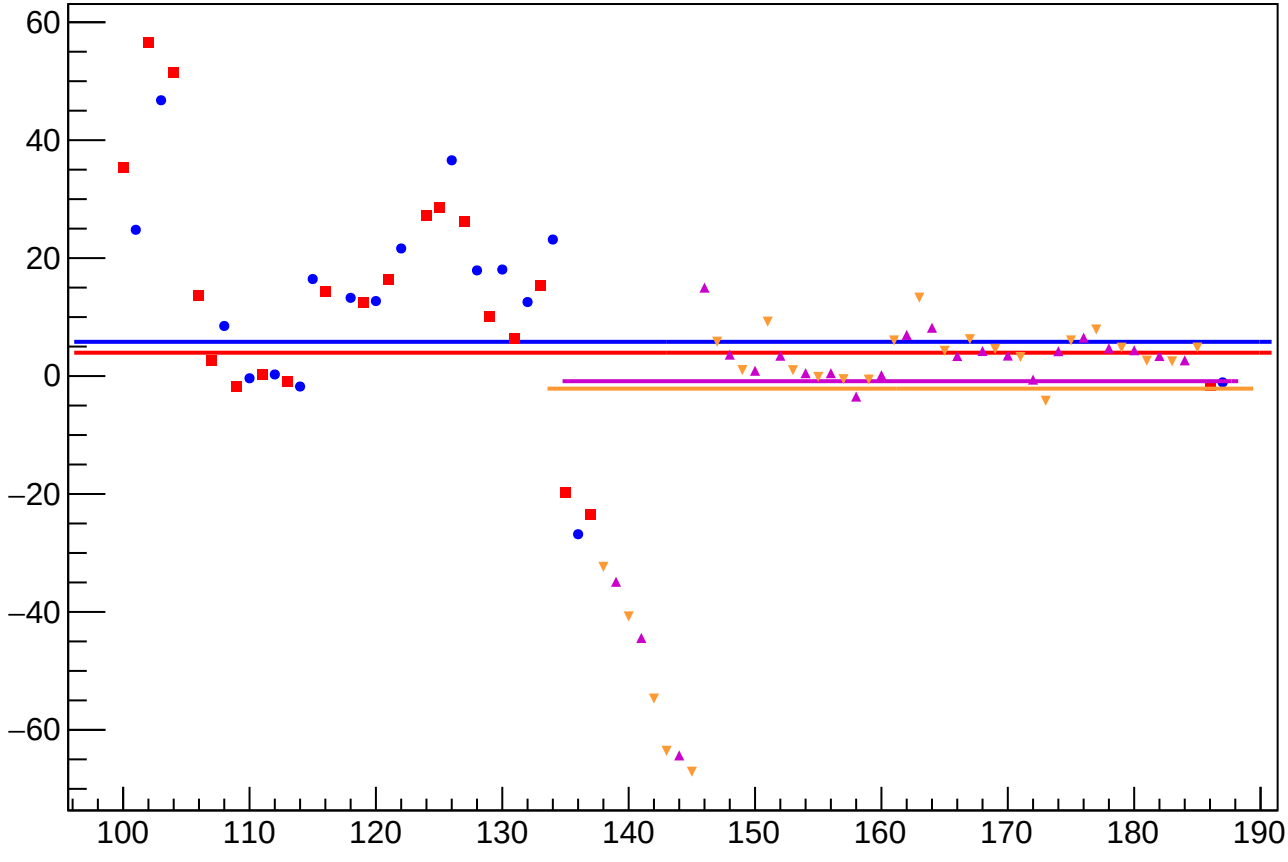
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.542+/-0.029 χ^2/NDF: 9780.5/41

All: 0.507+/-0.020 χ^2/NDF: 18635.8/84

- sign 0.476+/-0.027 χ^2/NDF: 8852.5/42

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: 5.805+/-0.062 χ^2/NDF: 71846.7/16

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 3.959+/-0.055 χ^2/NDF: 76949.4/19

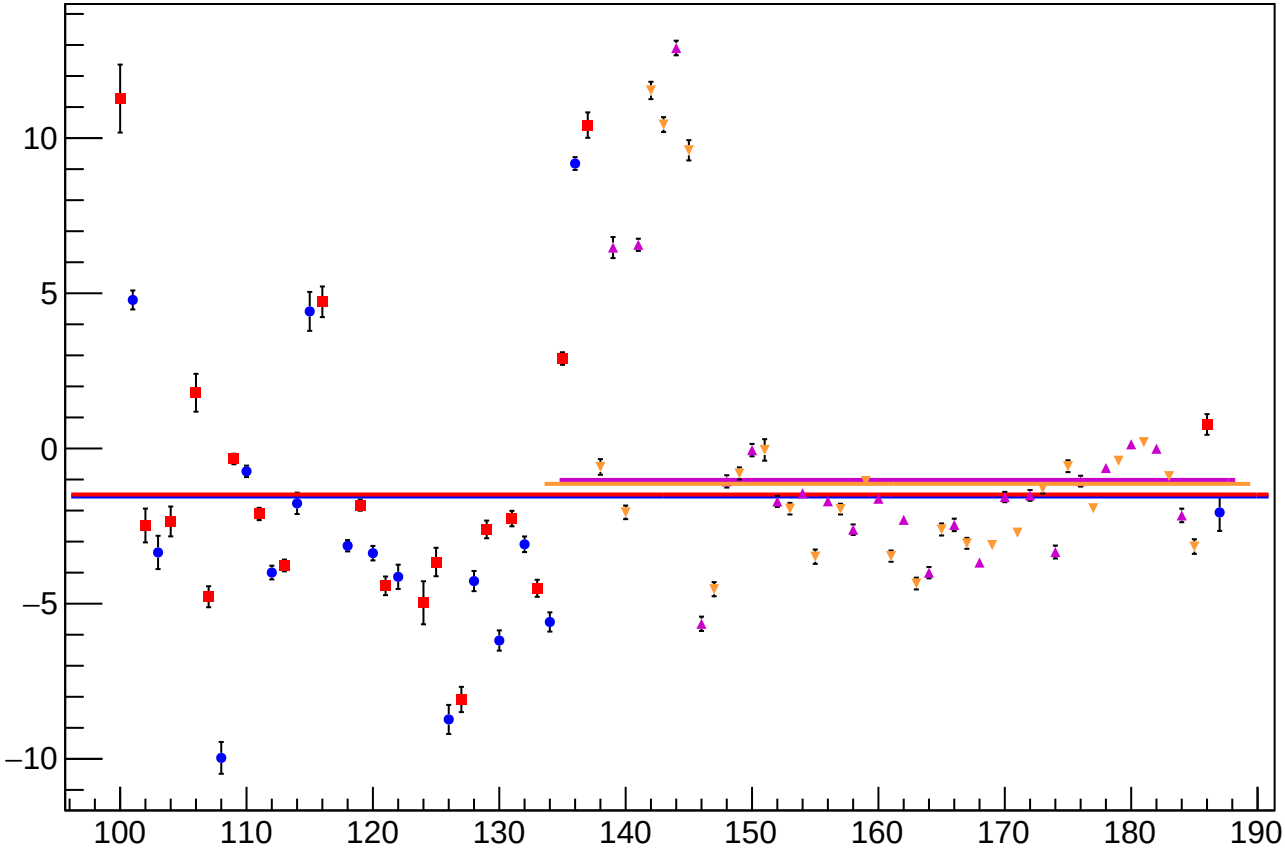
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign 0.213+/-0.034 χ^2/NDF: 254788.6/41

All: 0.507+/-0.023 χ^2/NDF: 466257.1/84

- sign 0.770+/-0.032 χ^2/NDF: 211325.4/42

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.547+/-0.069 χ^2/NDF: 4536.7/16

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.483+/-0.063 χ^2/NDF: 2544.5/19

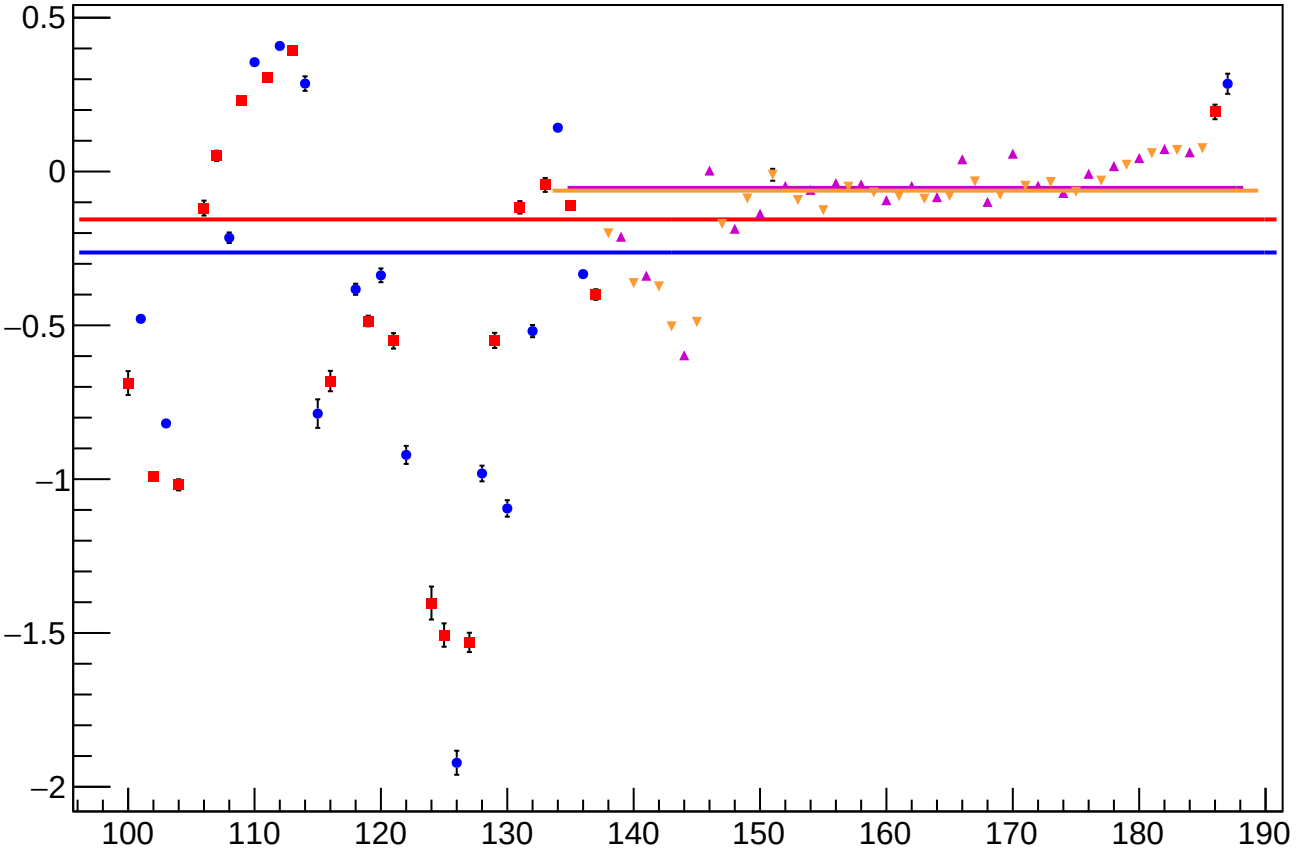
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.228+/-0.032 χ^2/NDF: 11586.8/41

All: -1.172+/-0.022 χ^2/NDF: 21206.2/84

- sign -1.122+/-0.031 χ^2/NDF: 9613.7/42

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: -0.263+/-0.004 χ^2/NDF: 12348.5/16

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

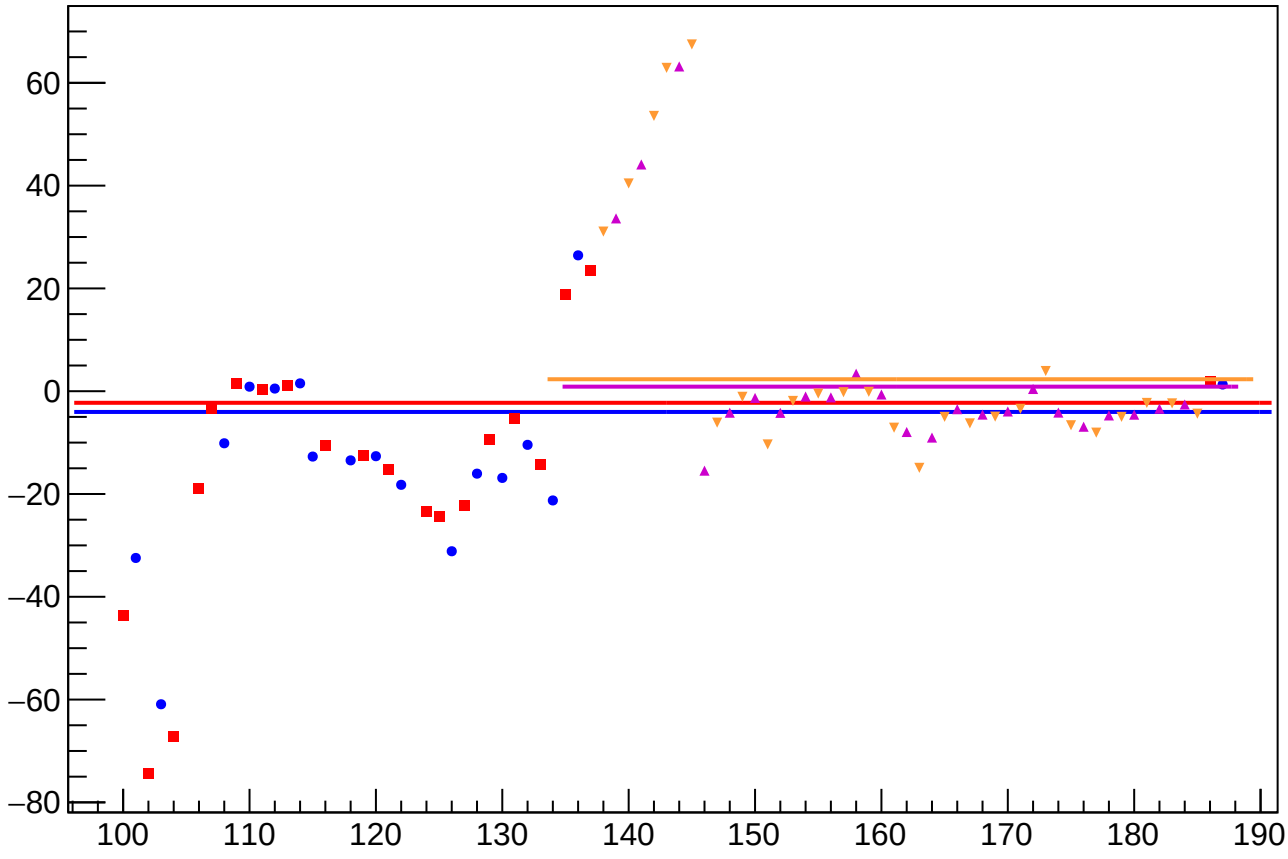
Right Out: -0.156+/-0.004 χ^2/NDF: 15712.8/19

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.088+/-0.001 χ^2/NDF: 20155.2/41

All: -0.077+/-0.001 χ^2/NDF: 41608.5/84

- sign -0.067+/-0.001 χ^2/NDF: 21349.0/42



Right In: -4.036+/-0.054 χ^2/NDF: 74685.8/16

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -2.255+/-0.046 χ^2/NDF: 80412.3/19

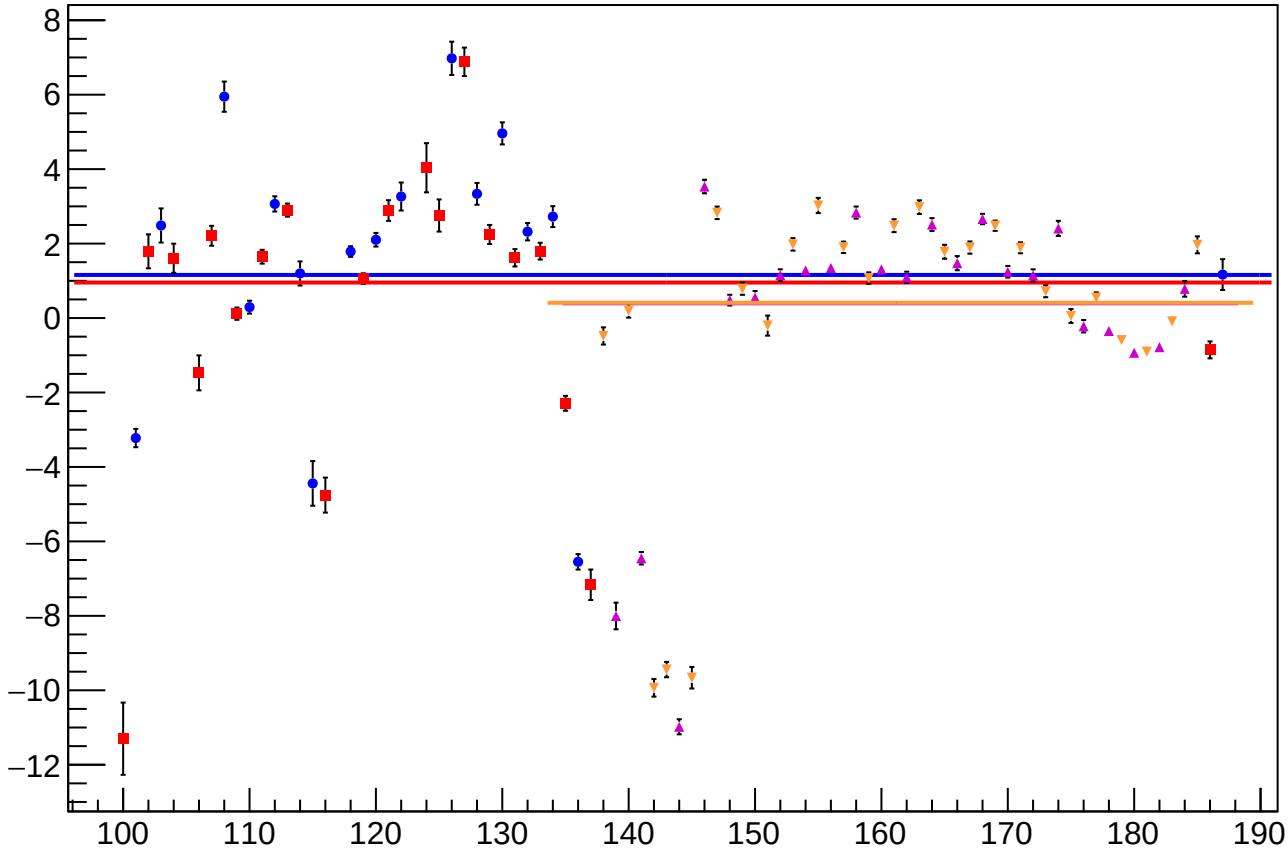
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 0.019+/-0.033 χ^2/NDF: 258046.6/41

All: -0.262+/-0.022 χ^2/NDF: 471641.6/84

- sign -0.503+/-0.030 χ^2/NDF: 213458.6/42

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.158+/-0.061 χ^2/NDF: 2549.9/16

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.954+/-0.057 χ^2/NDF: 1618.3/19

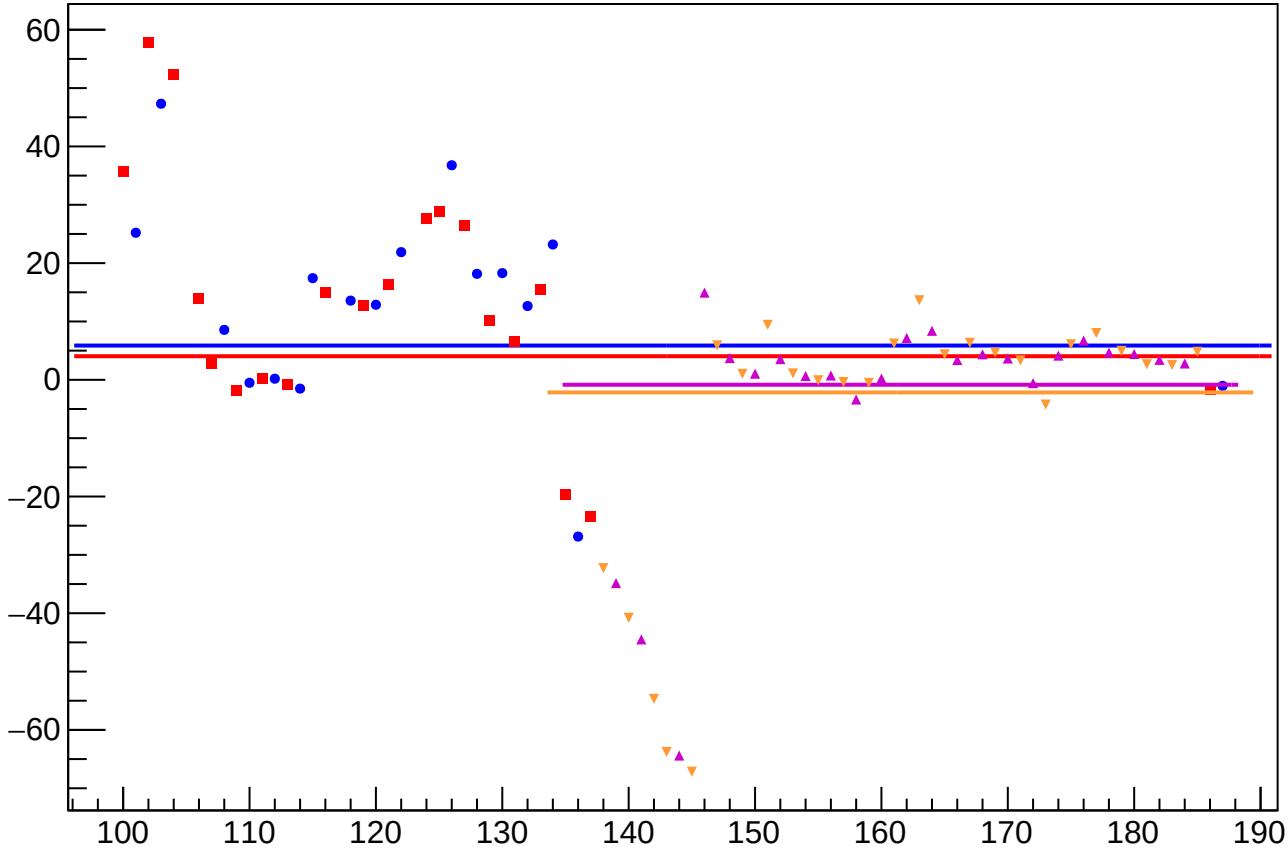
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.584+/-0.029 χ^2/NDF: 9713.9/41

All: 0.557+/-0.020 χ^2/NDF: 18339.4/84

- sign 0.532+/-0.028 χ^2/NDF: 8623.8/42

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: 5.873+/-0.063 χ^2/NDF: 70948.5/16

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 4.044+/-0.056 χ^2/NDF: 76169.8/19

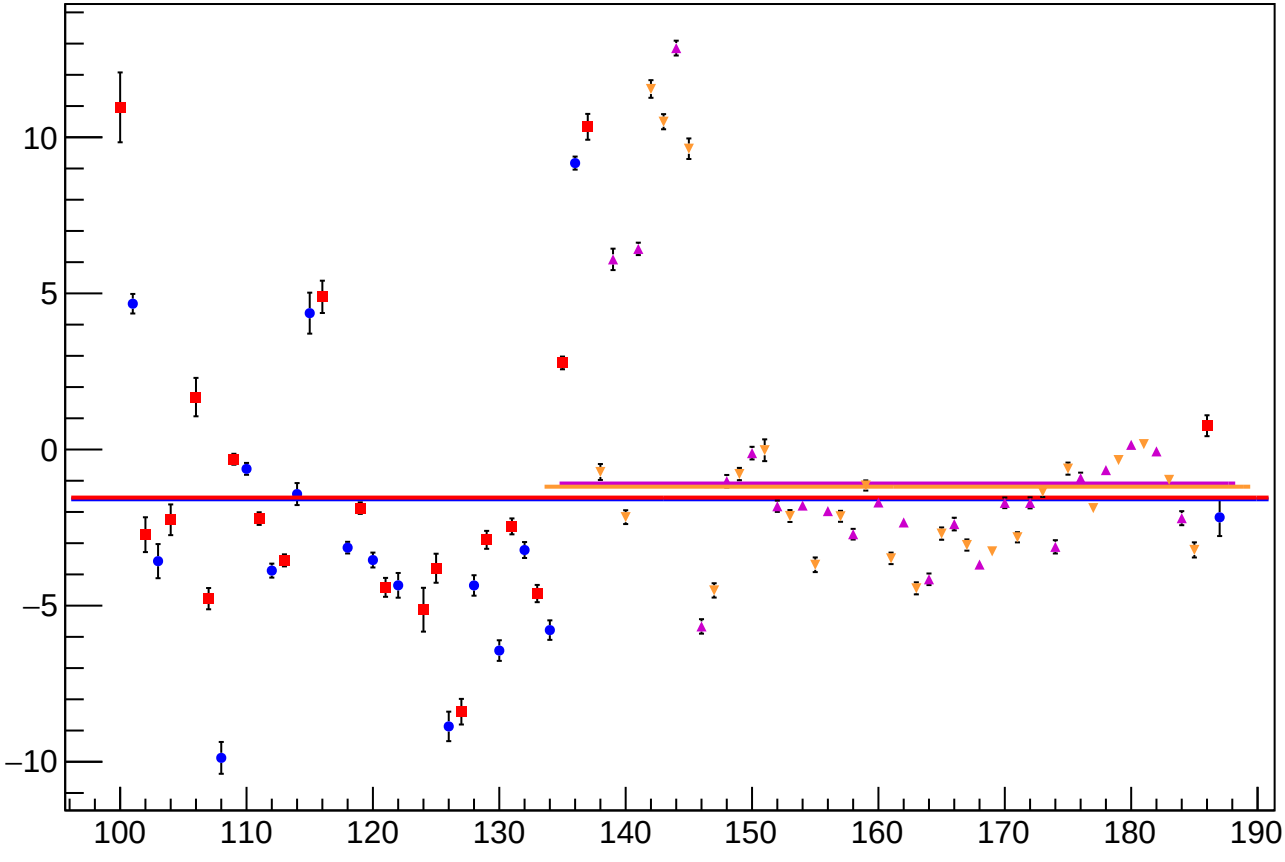
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign 0.219+/-0.034 χ^2/NDF: 251297.4/41

All: 0.537+/-0.024 χ^2/NDF: 459802.6/84

- sign 0.822+/-0.033 χ^2/NDF: 208343.8/42

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.594+/-0.070 χ^2/NDF: 4473.6/16

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.539+/-0.065 χ^2/NDF: 2471.2/19

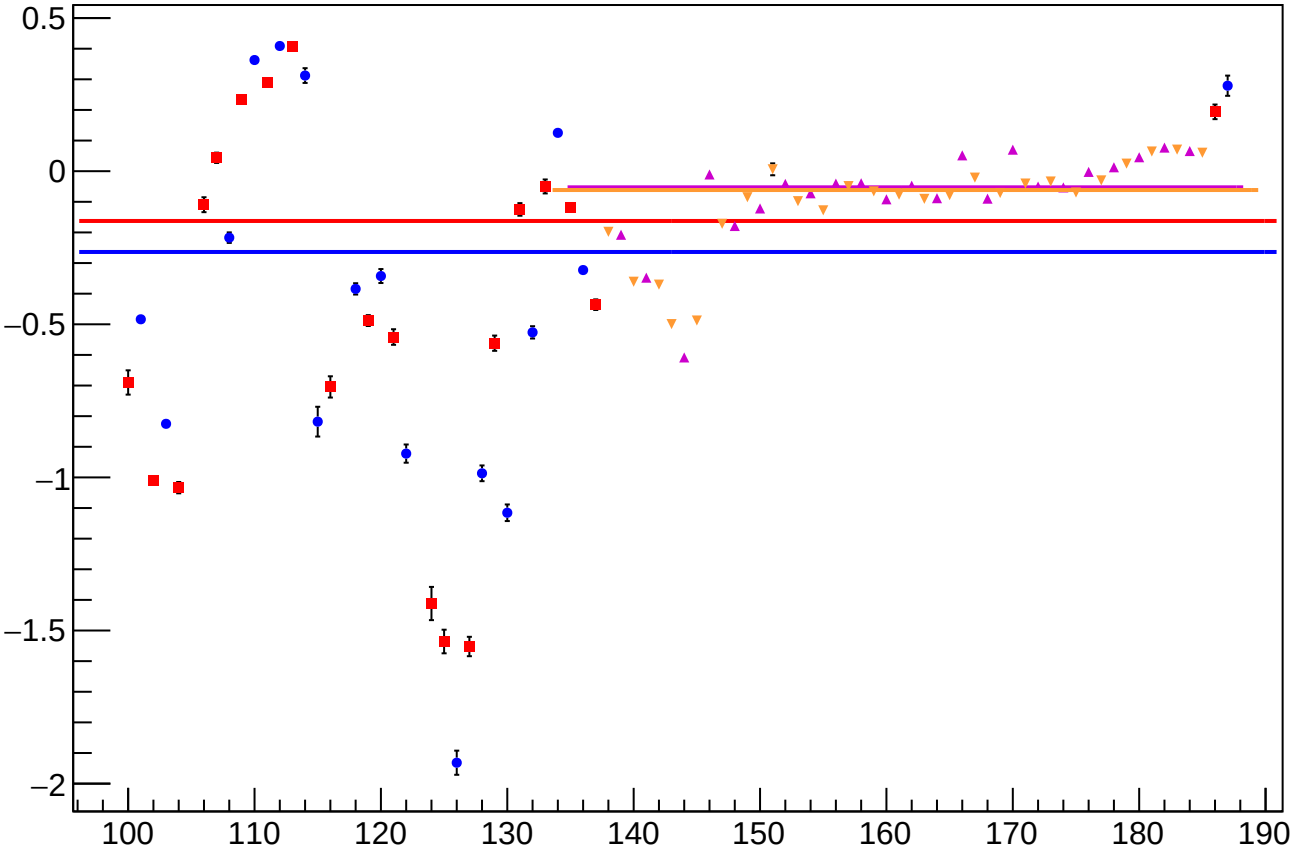
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.278+/-0.033 χ^2/NDF: 11495.3/41

All: -1.234+/-0.023 χ^2/NDF: 20847.9/84

- sign -1.194+/-0.031 χ^2/NDF: 9349.2/42

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: -0.264+/-0.004 χ^2/NDF: 12131.4/16

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: -0.163+/-0.004 χ^2/NDF: 15550.9/19

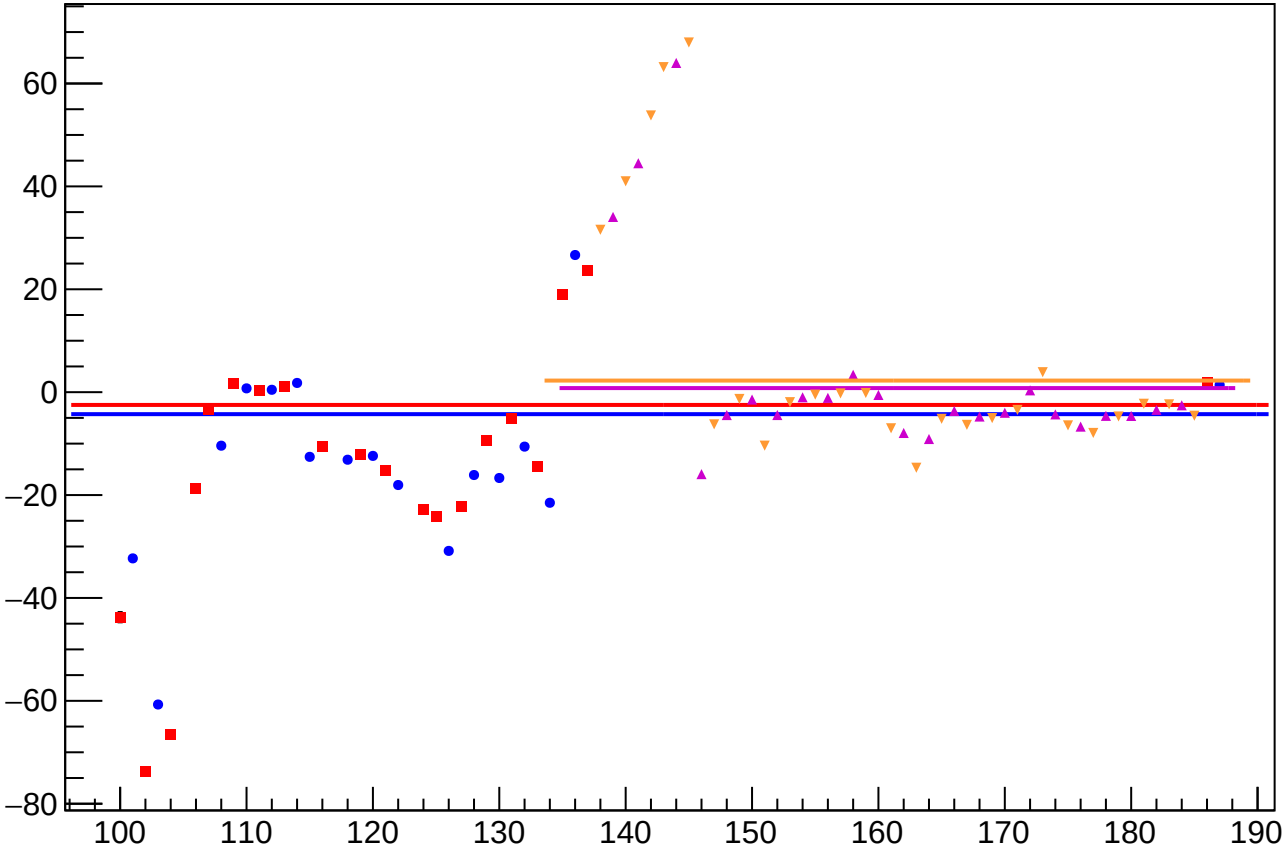
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.088+/-0.002 χ^2/NDF: 19724.9/41

All: -0.077+/-0.001 χ^2/NDF: 41118.0/84

- sign -0.068+/-0.001 χ^2/NDF: 21300.8/42

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: -4.273+/-0.055 χ^2/NDF: 73159.6/16

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -2.481+/-0.047 χ^2/NDF: 78498.1/19

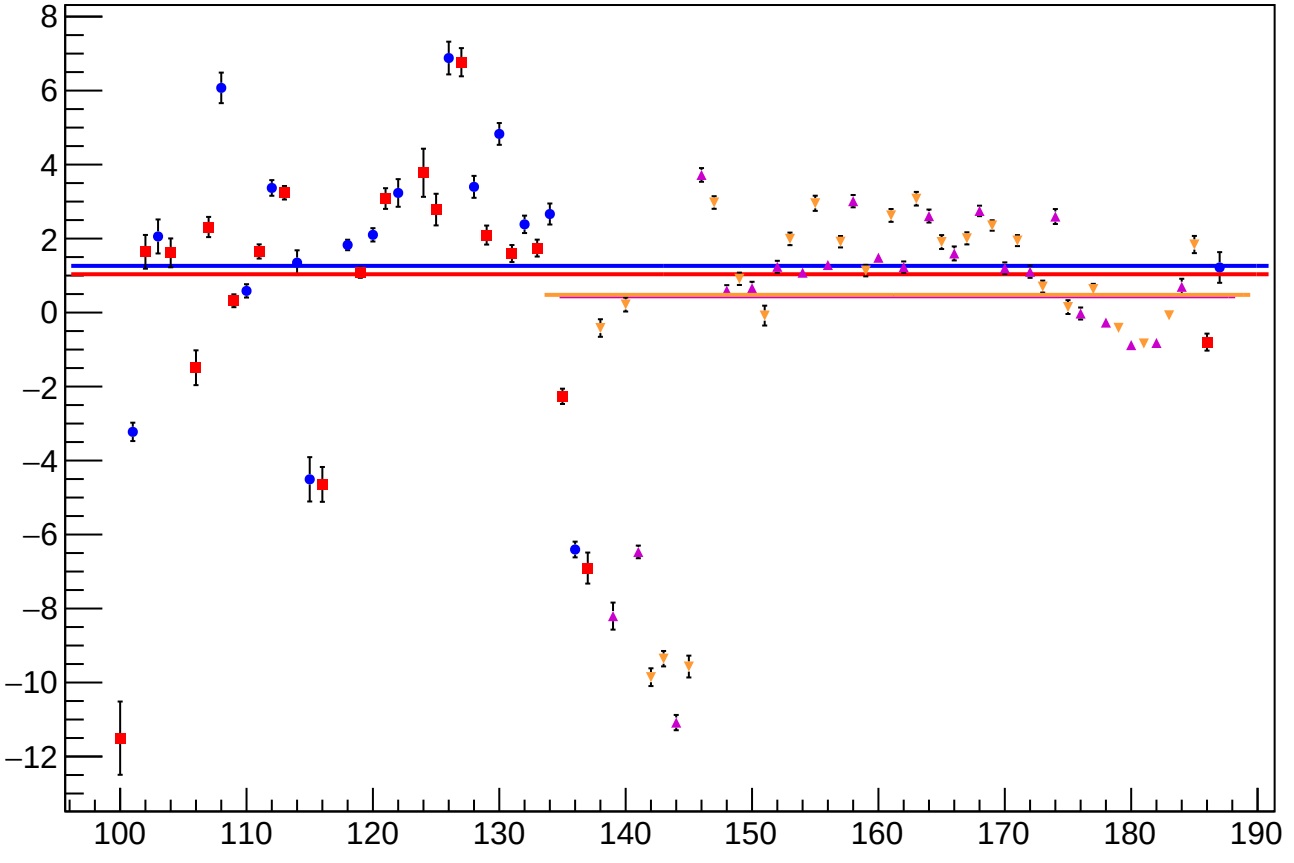
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign -0.090+/-0.033 χ^2/NDF: 253718.6/41

All: -0.379+/-0.023 χ^2/NDF: 463938.4/84

- sign -0.630+/-0.031 χ^2/NDF: 210078.2/42

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.262+/-0.061 χ^2/NDF: 2443.8/16

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 1.036+/-0.057 χ^2/NDF: 1558.6/19

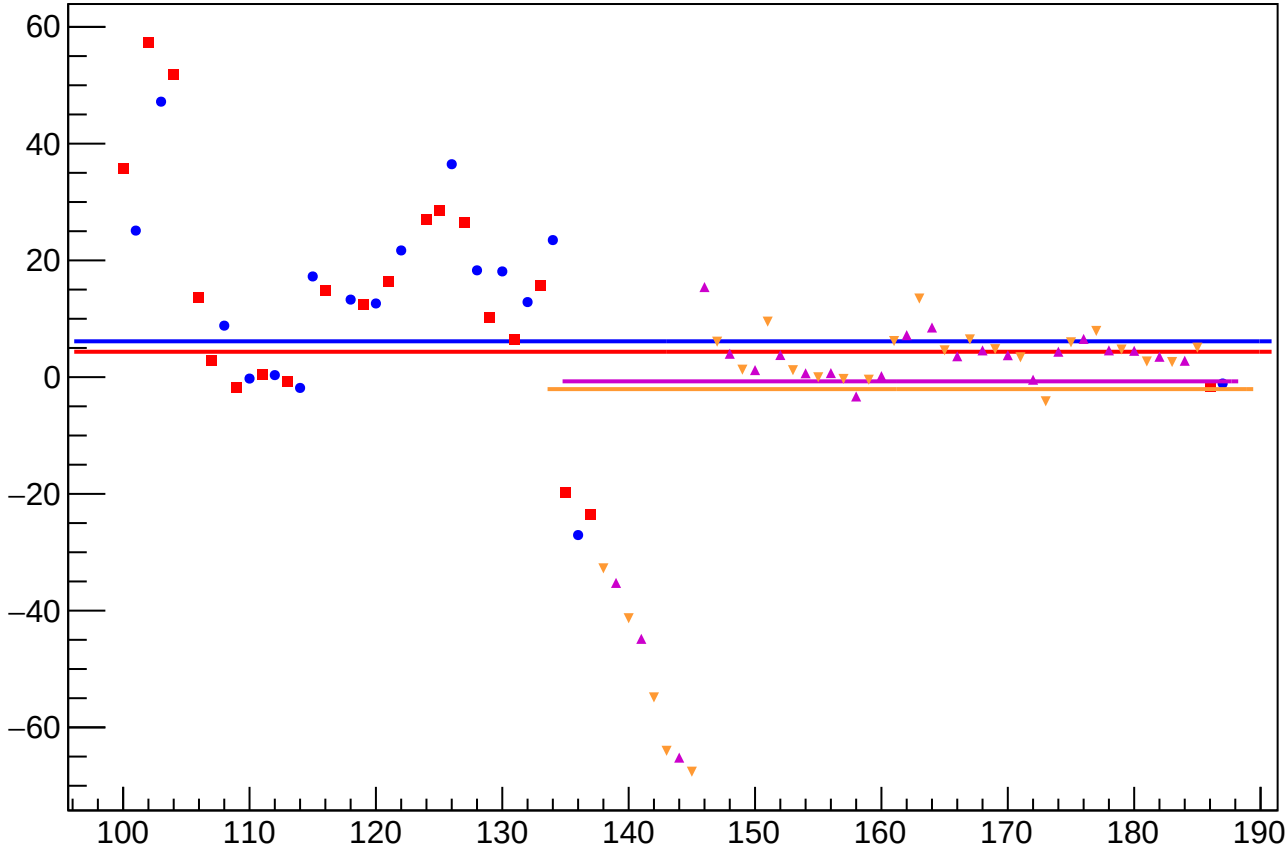
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.661+/-0.030 χ^2/NDF: 9377.1/41

All: 0.621+/-0.020 χ^2/NDF: 17915.0/84

- sign 0.584+/-0.028 χ^2/NDF: 8534.4/42

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: 6.139+/-0.064 χ^2/NDF: 69376.3/16

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 4.348+/-0.057 χ^2/NDF: 74123.9/19

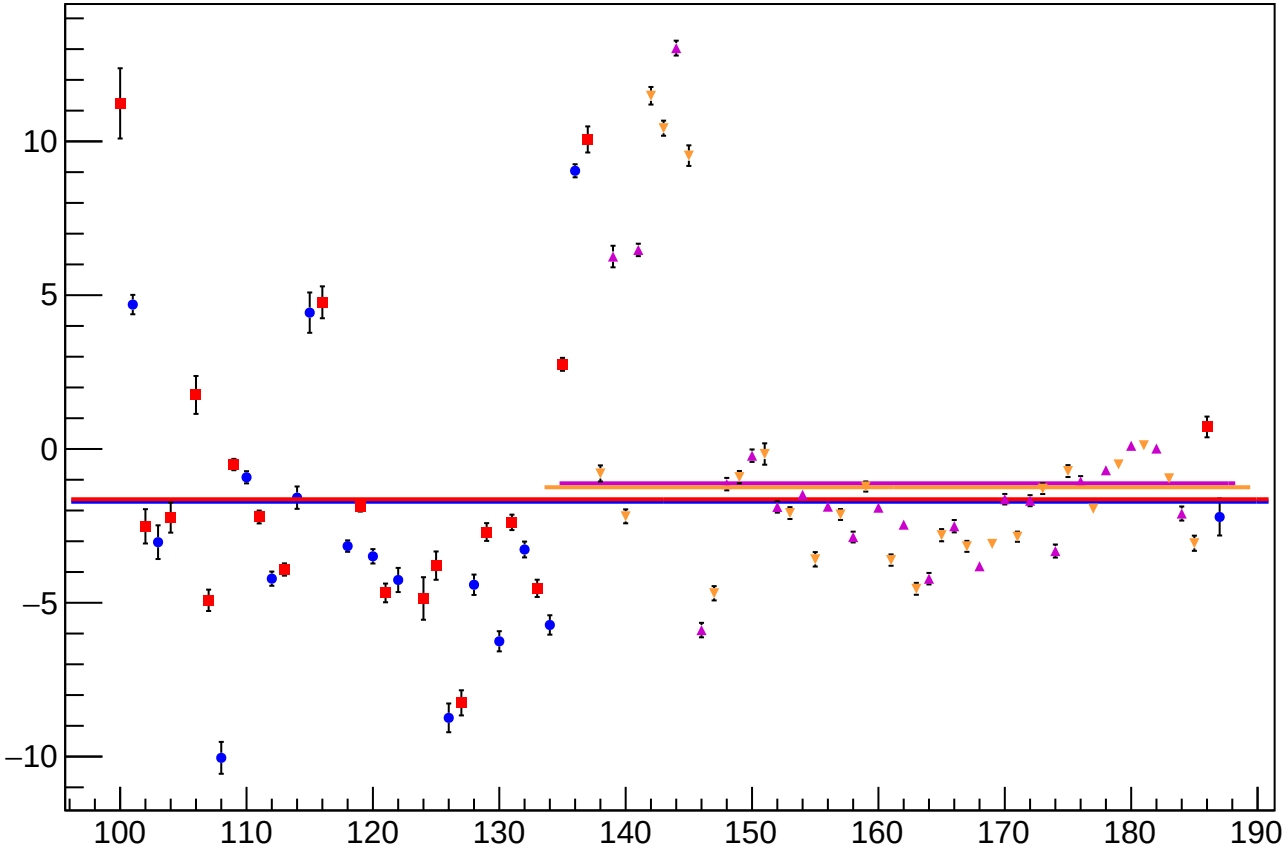
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign 0.365+/-0.035 χ^2/NDF: 246897.8/41

All: 0.692+/-0.024 χ^2/NDF: 451975.7/84

- sign 0.987+/-0.033 χ^2/NDF: 204910.1/42

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.715+/-0.071 χ^2/NDF: 4290.5/16

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

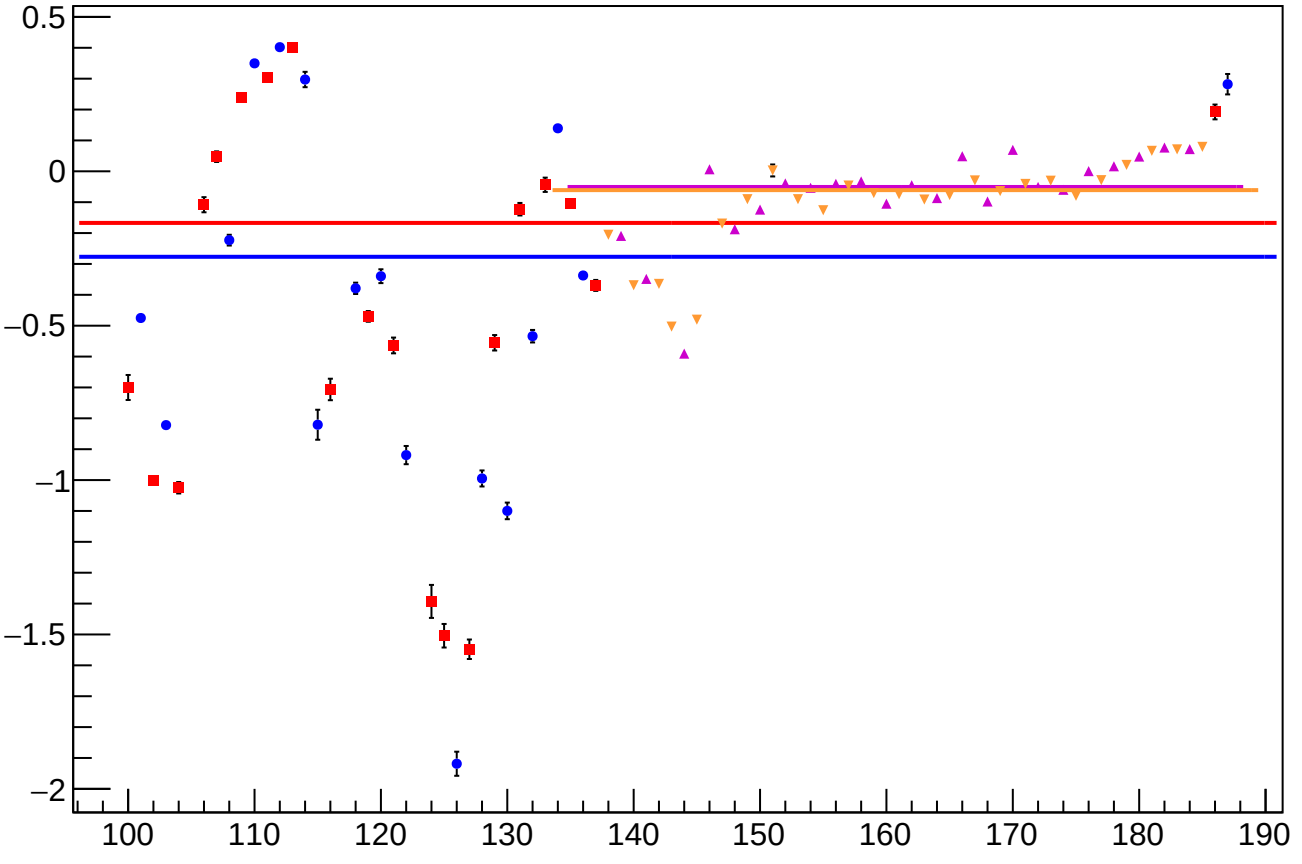
Right Out: -1.635+/-0.066 χ^2/NDF: 2360.2/19

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

\+ sign -1.346+/-0.033 χ^2/NDF: 11093.5/41

All: -1.289+/-0.023 χ^2/NDF: 20347.7/84

\- sign -1.236+/-0.032 χ^2/NDF: 9248.4/42



Right In: -0.277+/-0.004 χ^2/NDF: 11651.2/16

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

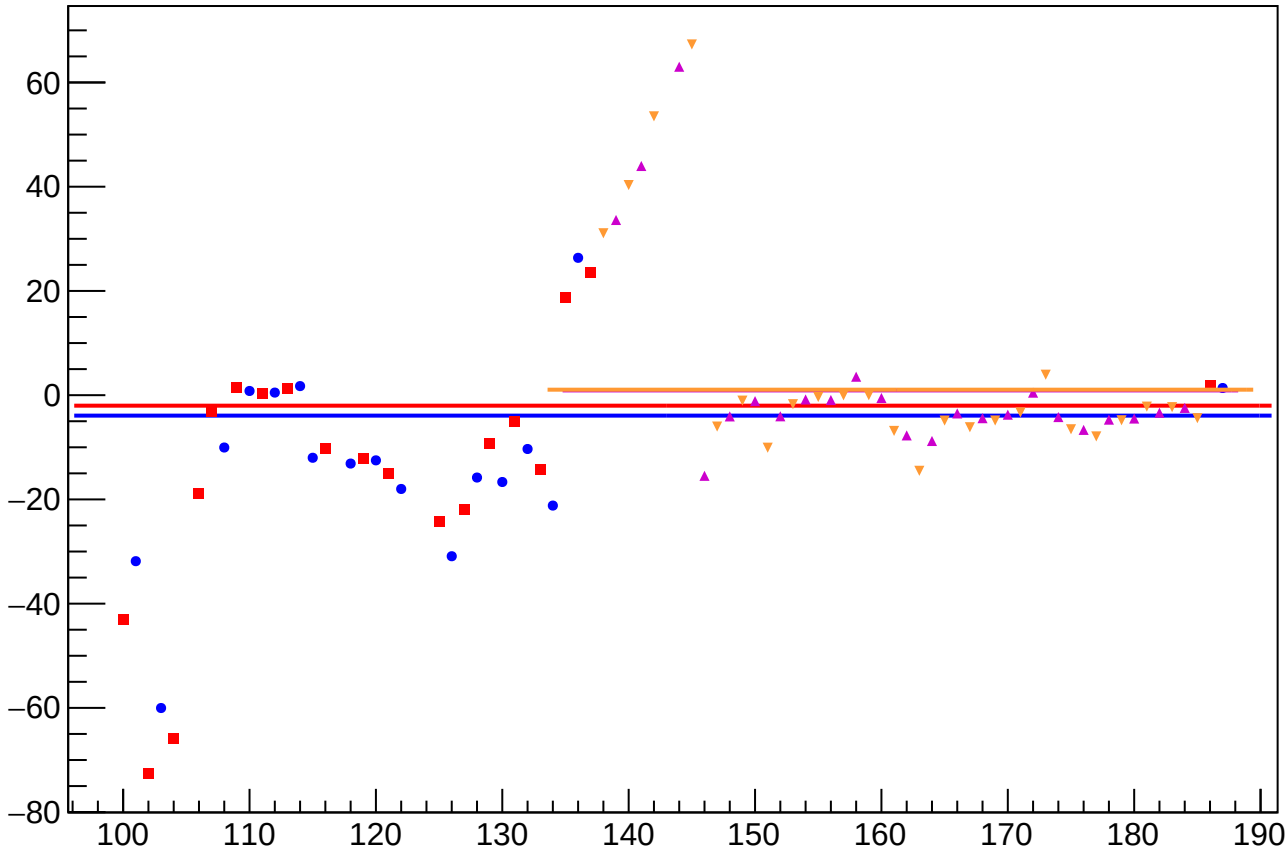
Right Out: -0.167+/-0.004 χ^2/NDF: 14998.4/19

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.089+/-0.002 χ^2/NDF: 19384.9/41

All: -0.077+/-0.001 χ^2/NDF: 40145.0/84

- sign -0.067+/-0.001 χ^2/NDF: 20647.6/42



Right In: -3.923+/-0.053 χ^2/NDF: 75862.3/16

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

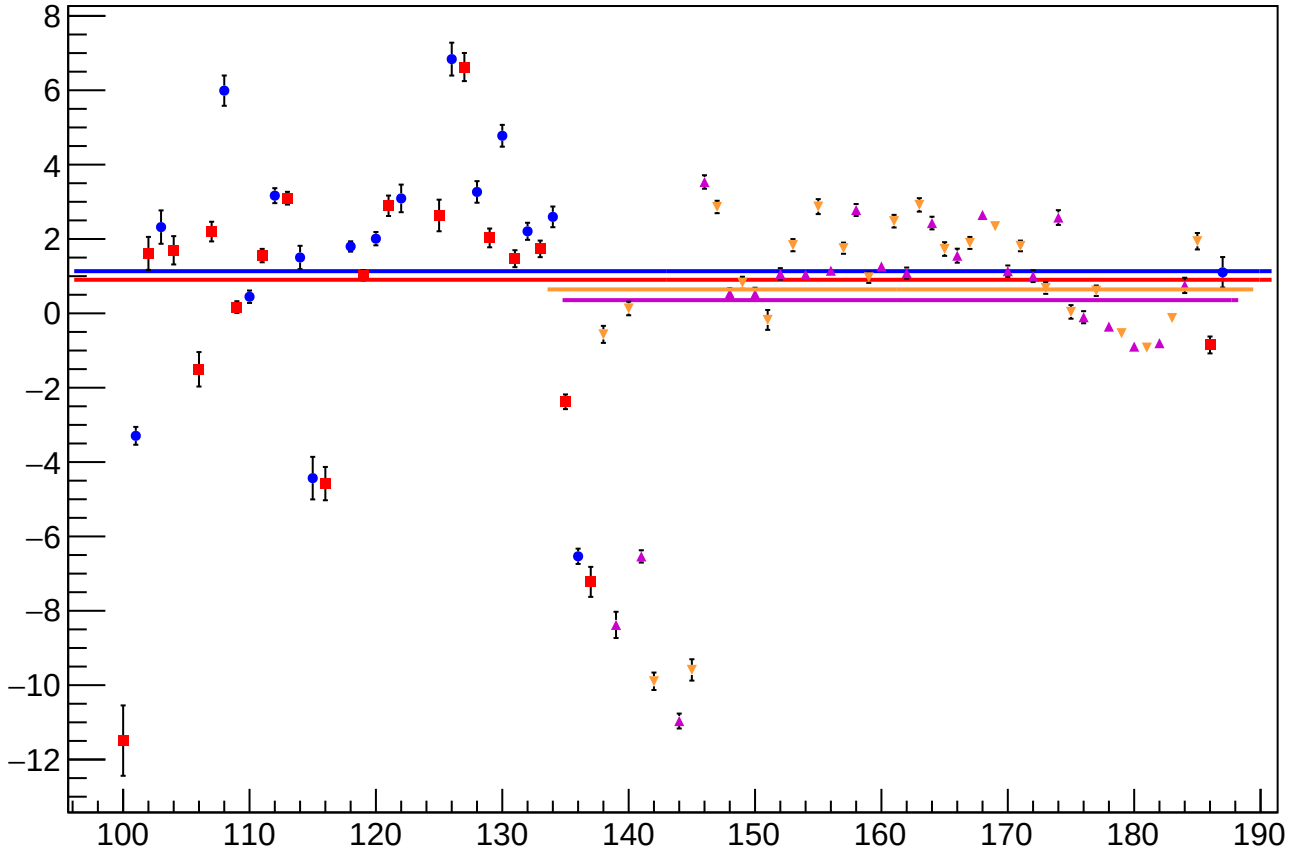
Right Out: -2.014+/-0.045 χ^2/NDF: 80109.6/18

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign -0.776+/-0.032 χ^2/NDF: 212425.1/40

All: -0.564+/-0.022 χ^2/NDF: 427815.3/82

- sign -0.384+/-0.030 χ^2/NDF: 215310.3/41



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/16

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

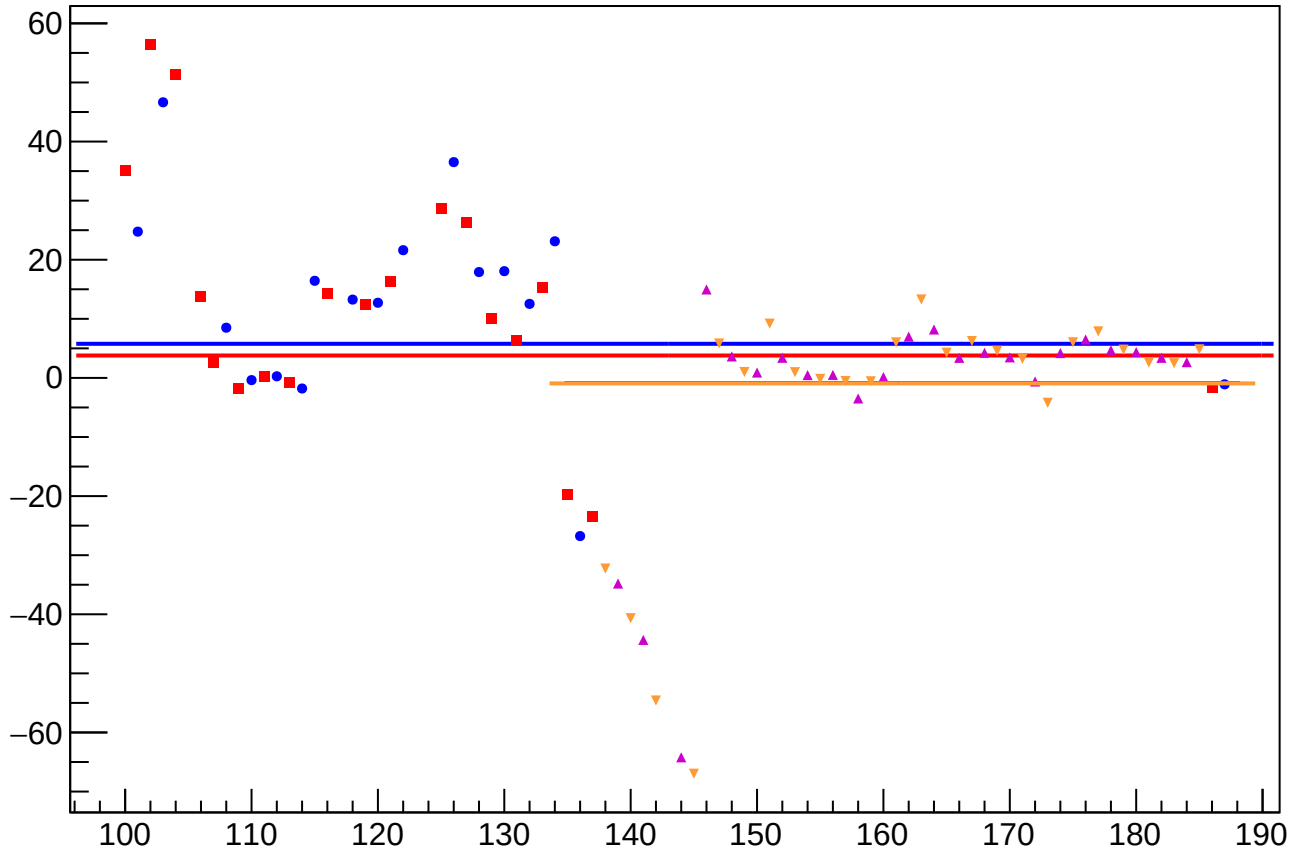
Right Out: 0.903+/-0.055 χ^2/NDF: 1656.3/18

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.760+/-0.029 χ^2/NDF: 7358.5/40

All: 0.616+/-0.020 χ^2/NDF: 16252.6/82

- sign 0.488+/-0.027 χ^2/NDF: 8847.2/41



Right In: 5.775+/-0.062 χ^2/NDF: 72012.7/16

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

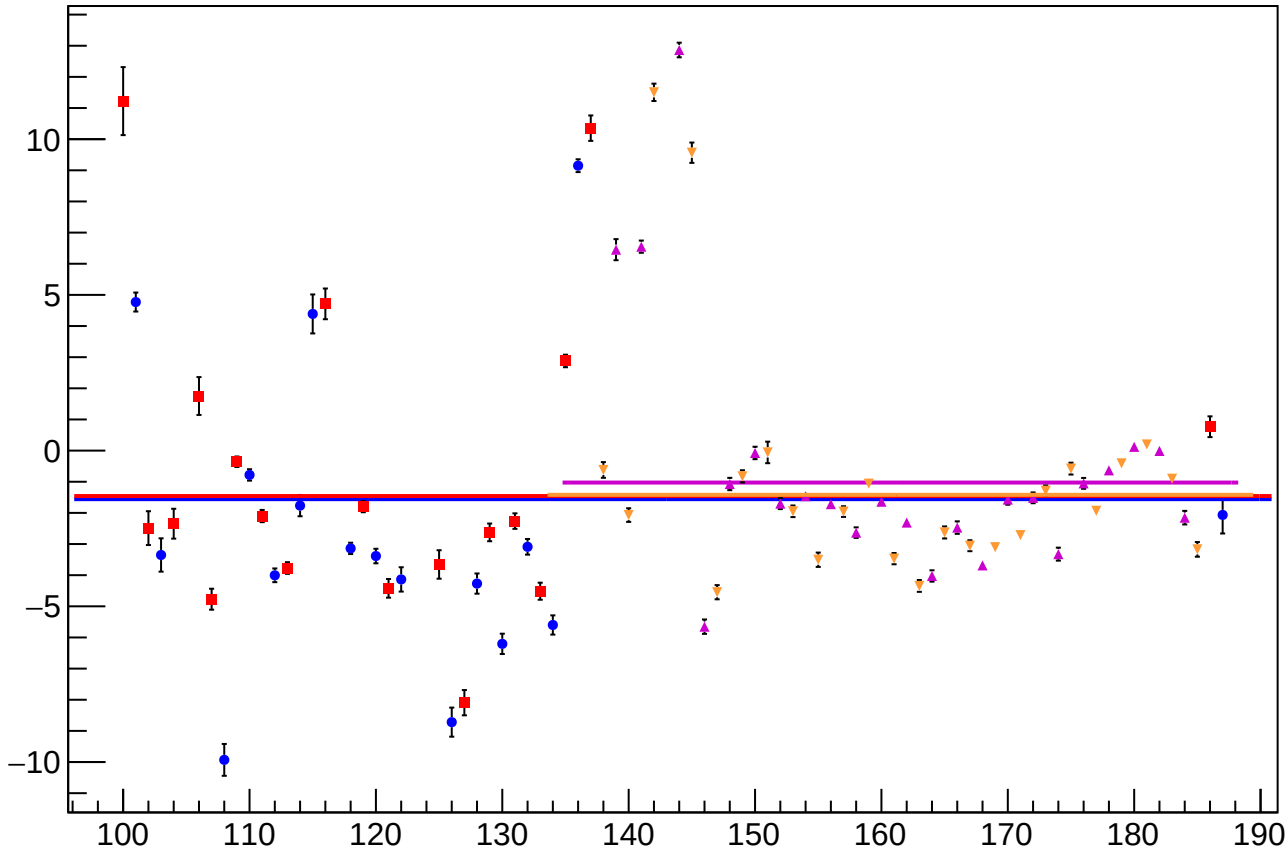
Right Out: 3.795+/-0.055 χ^2/NDF: 76005.7/18

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign 1.081+/-0.034 χ^2/NDF: 206591.5/40

All: 0.888+/-0.023 χ^2/NDF: 416914.8/82

- sign 0.717+/-0.032 χ^2/NDF: 210262.4/41



Right In: -1.559+/-0.069 χ^2/NDF: 4544.3/16

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

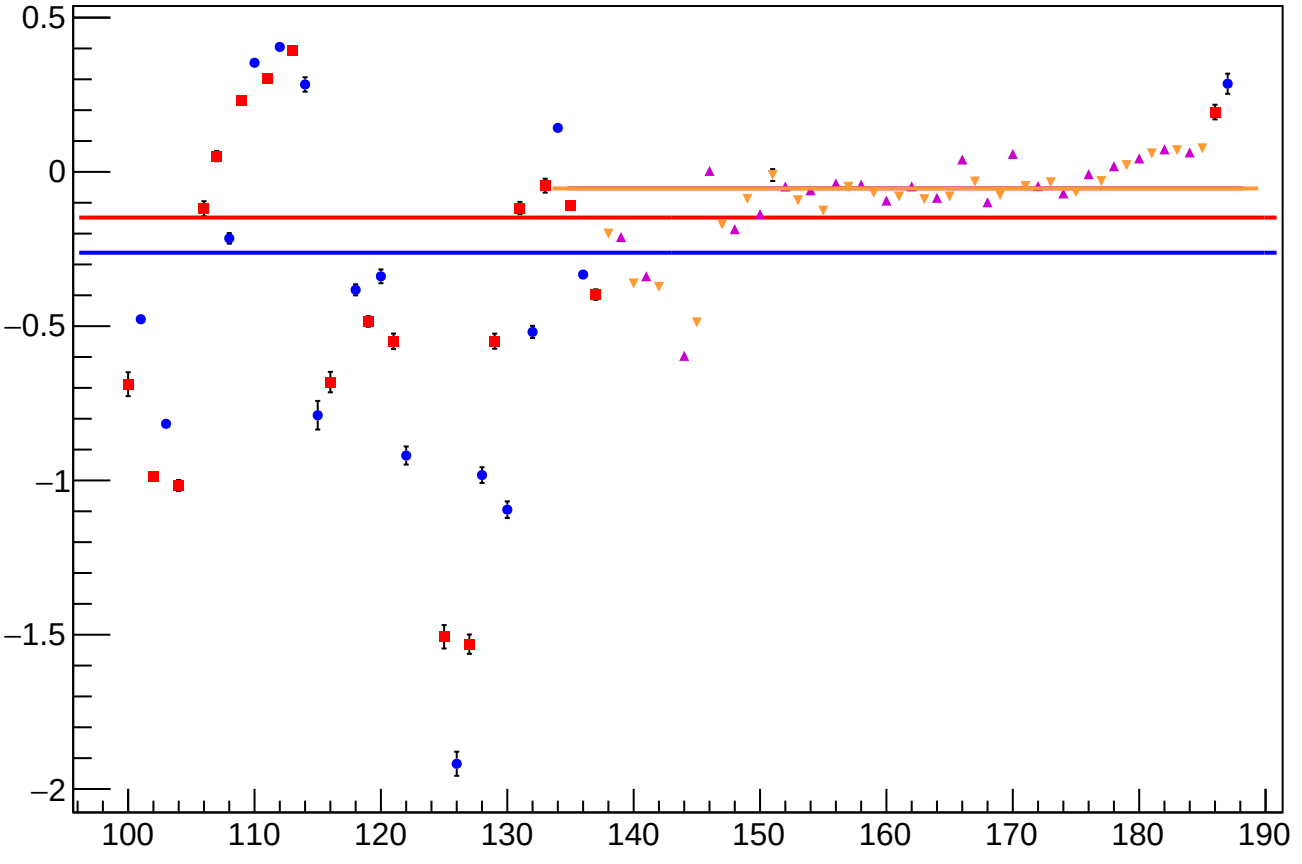
Right Out: -1.460+/-0.063 χ^2/NDF: 2519.3/18

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.451+/-0.032 χ^2/NDF: 9189.5/40

All: -1.279+/-0.022 χ^2/NDF: 18845.2/82

- sign -1.126+/-0.030 χ^2/NDF: 9602.3/41



Right In: -0.262+/-0.004 χ^2/NDF: 12380.9/16

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

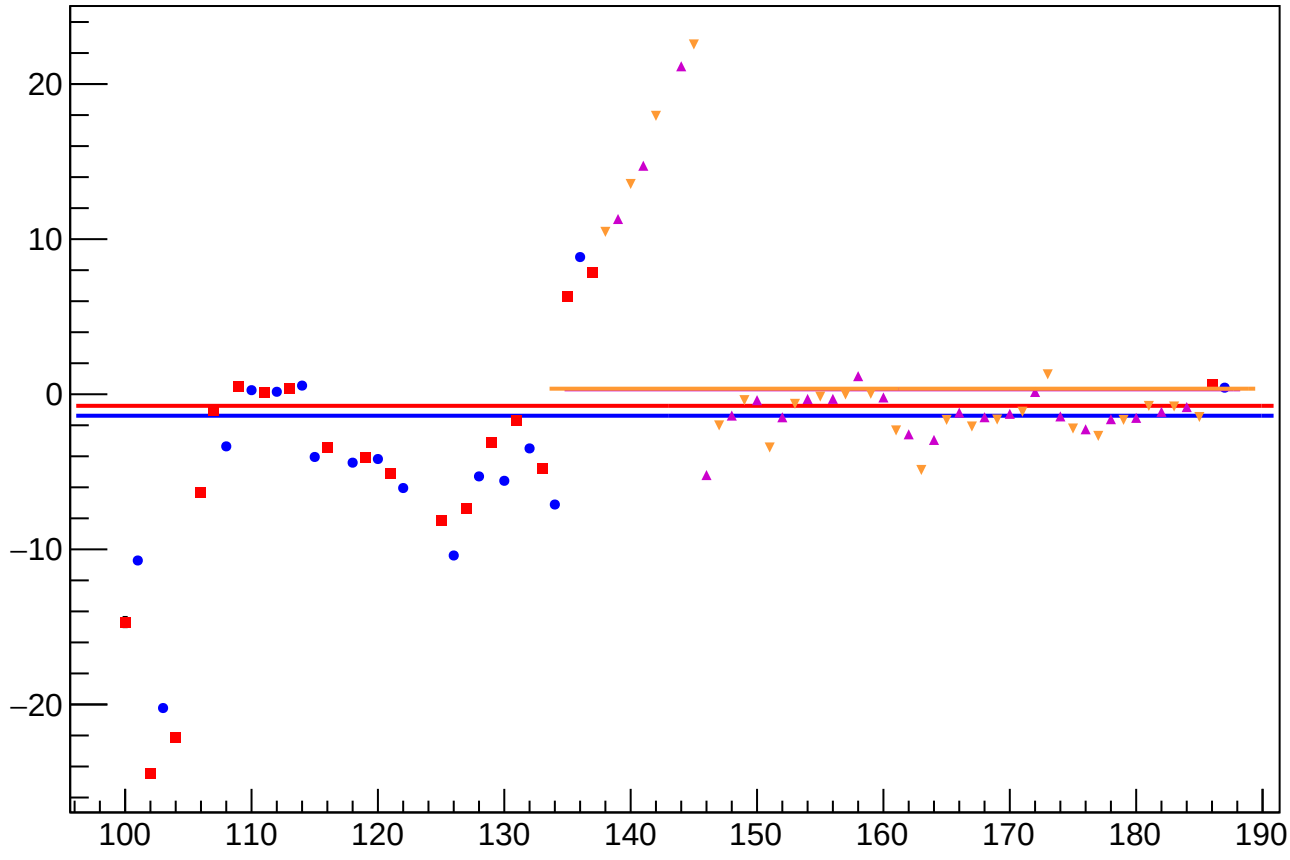
Right Out: -0.148+/-0.004 χ^2/NDF: 15231.9/18

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.081+/-0.001 χ^2/NDF: 18952.1/40

All: -0.073+/-0.001 χ^2/NDF: 39801.9/82

- sign -0.066+/-0.001 χ^2/NDF: 20796.0/41



Right In: -1.384+/-0.018 χ^2/NDF: 74205.4/16

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

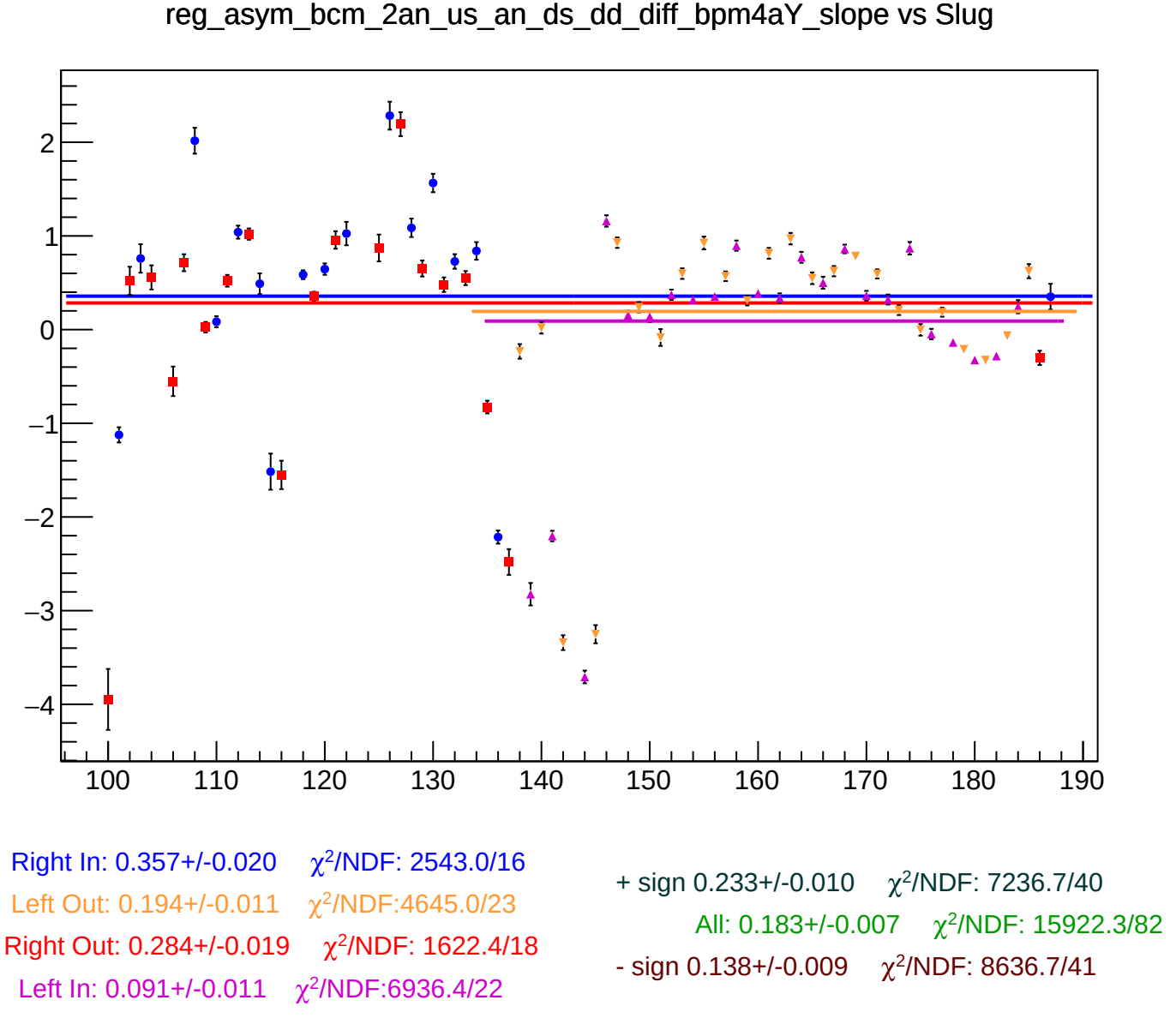
Right Out: -0.746+/-0.016 χ^2/NDF: 78532.1/18

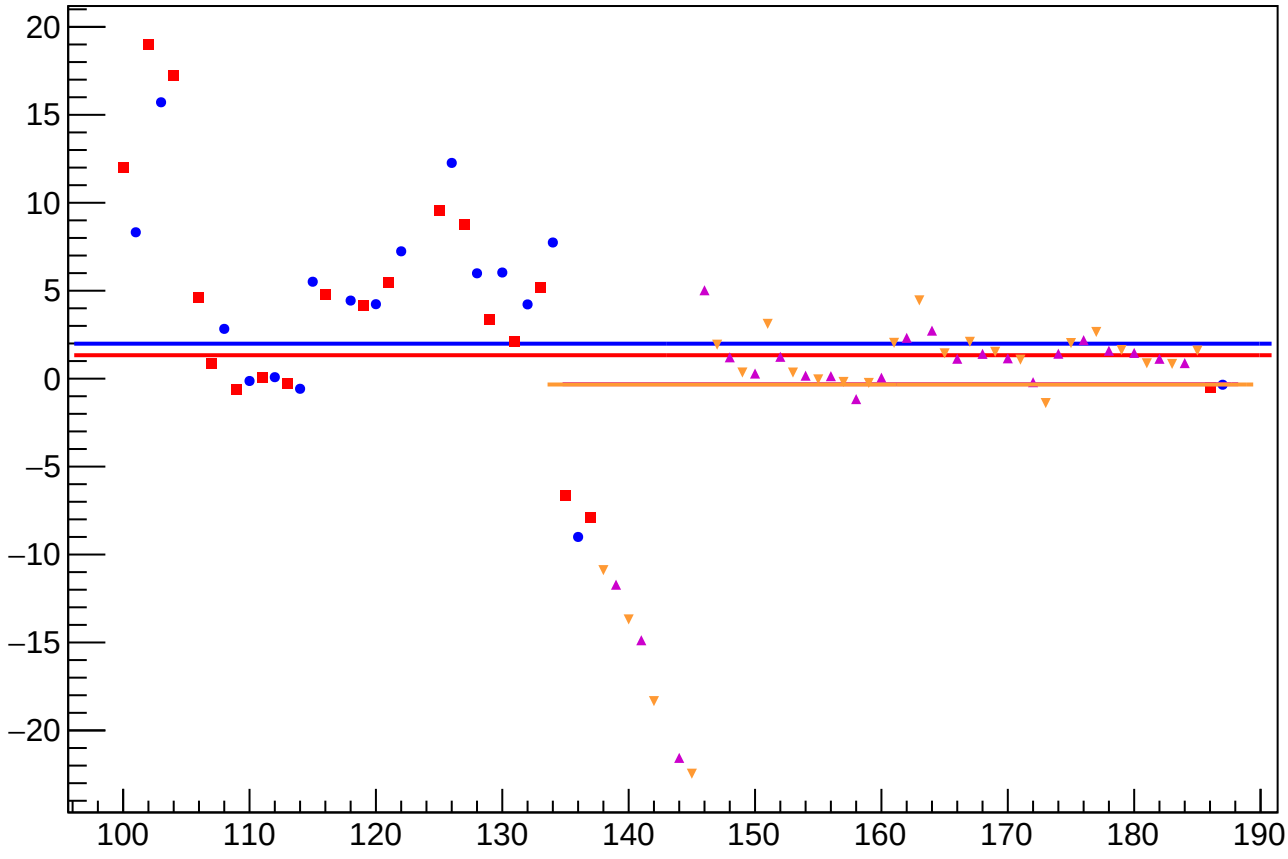
Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign -0.277+/-0.011 χ^2/NDF: 208803.0/40

All: -0.207+/-0.008 χ^2/NDF: 420284.9/82

- sign -0.146+/-0.010 χ^2/NDF: 211406.4/41


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.357+/-0.020 χ²/NDF: 2543.0/16
Left Out: 0.194+/-0.011 χ²/NDF:4645.0/23
Right Out: 0.284+/-0.019 χ²/NDF: 1622.4/18
Left In: 0.091+/-0.011 χ²/NDF:6936.4/22
+ sign 0.233+/-0.010 χ²/NDF: 7236.7/40
All: 0.183+/-0.007 χ²/NDF: 15922.3/82
- sign 0.138+/-0.009 χ²/NDF: 8636.7/41



Right In: 1.989+/-0.021 χ^2/NDF: 70438.6/16

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

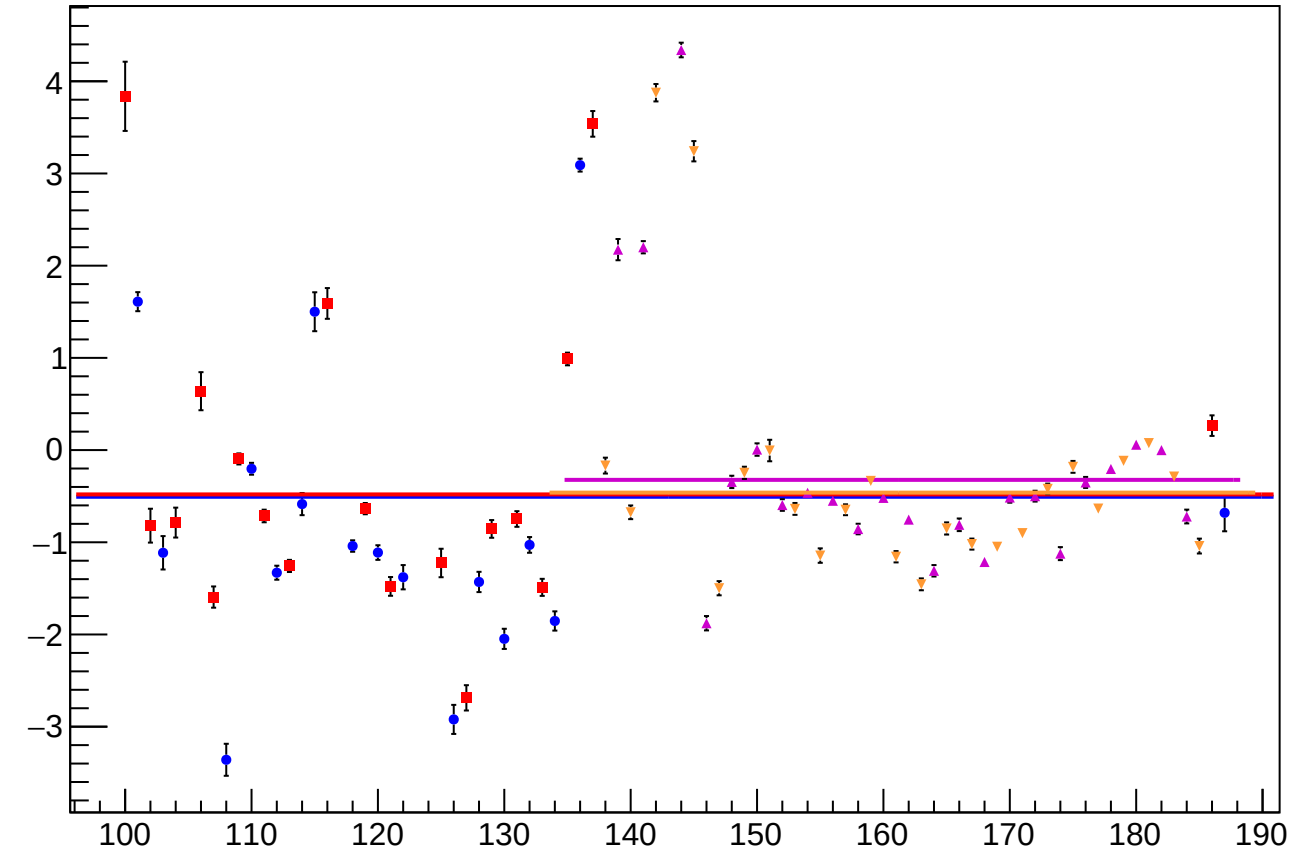
Right Out: 1.333+/-0.019 χ^2/NDF: 74492.2/18

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign 0.363+/-0.012 χ^2/NDF: 203073.3/40

All: 0.298+/-0.008 χ^2/NDF: 409670.4/82

- sign 0.241+/-0.011 χ^2/NDF: 206538.7/41



Right In: -0.506+/-0.024 χ^2/NDF: 4448.0/16

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

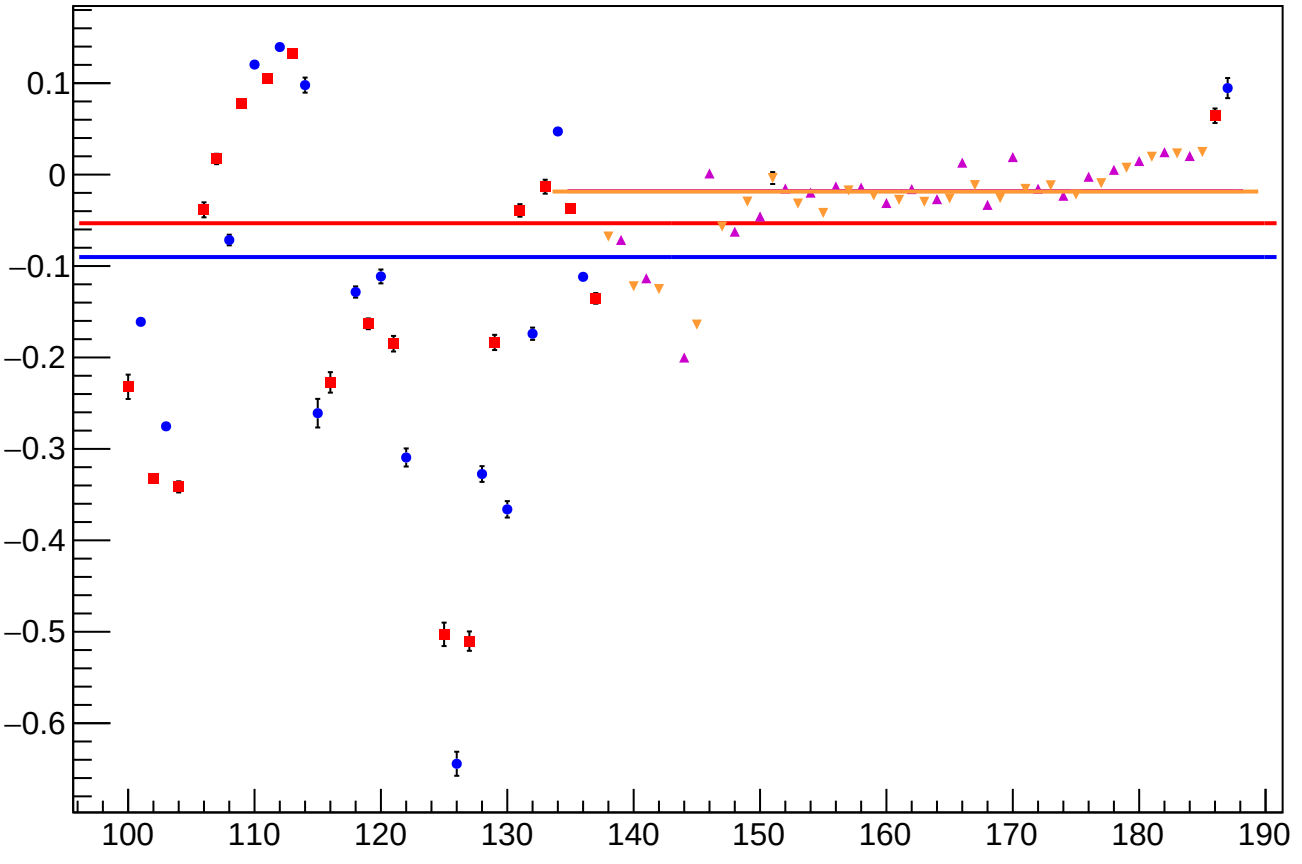
Right Out: -0.481+/-0.022 χ^2/NDF: 2470.5/18

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.471+/-0.011 χ^2/NDF: 9030.8/40

All: -0.412+/-0.008 χ^2/NDF: 18477.7/82

- sign -0.359+/-0.010 χ^2/NDF: 9392.6/41



Right In: -0.090+/-0.001 χ^2/NDF: 12029.3/16

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

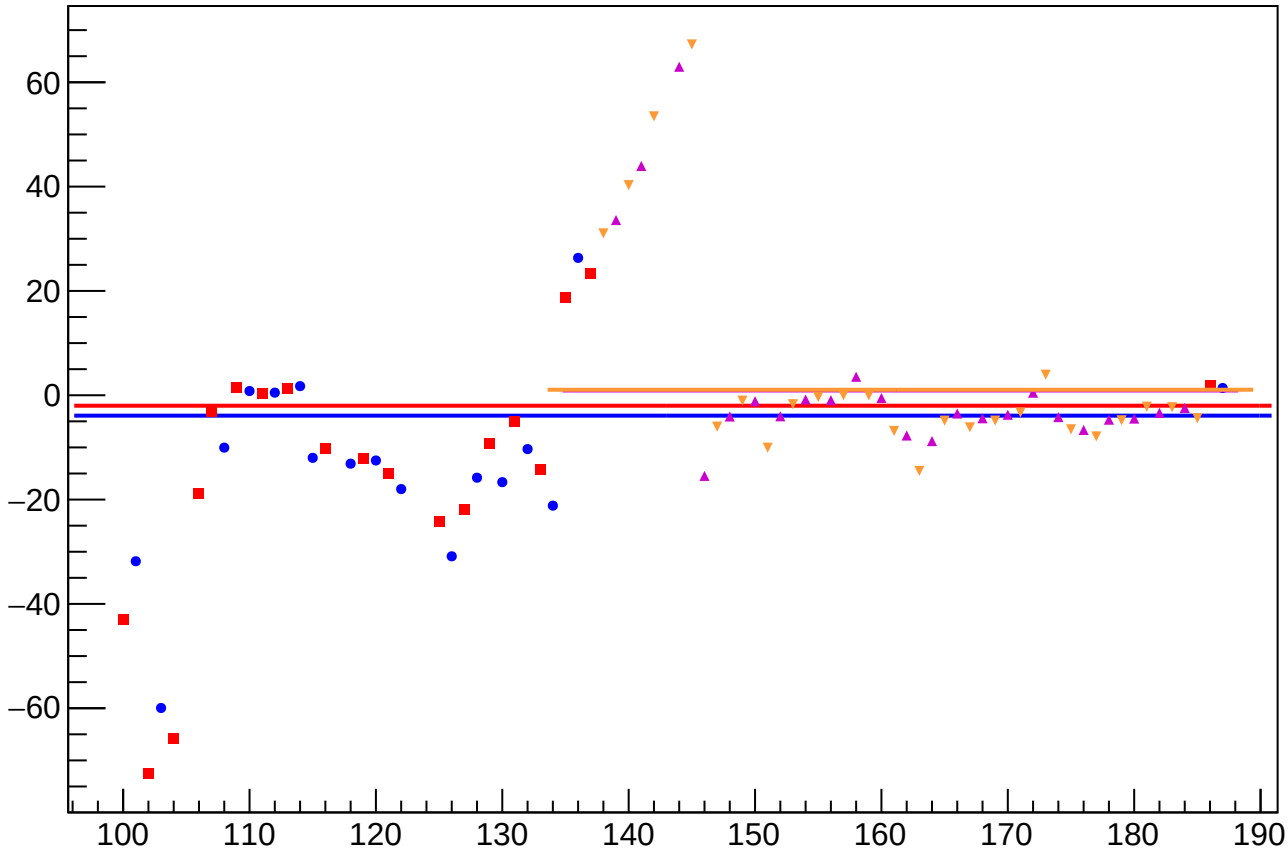
Right Out: -0.053+/-0.001 χ^2/NDF: 14682.7/18

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.028+/-0.001 χ^2/NDF: 18523.0/40

All: -0.025+/-0.000 χ^2/NDF: 38782.8/82

- sign -0.023+/-0.000 χ^2/NDF: 20205.2/41



Right In: -3.909+/-0.053 χ^2/NDF: 75888.4/16

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

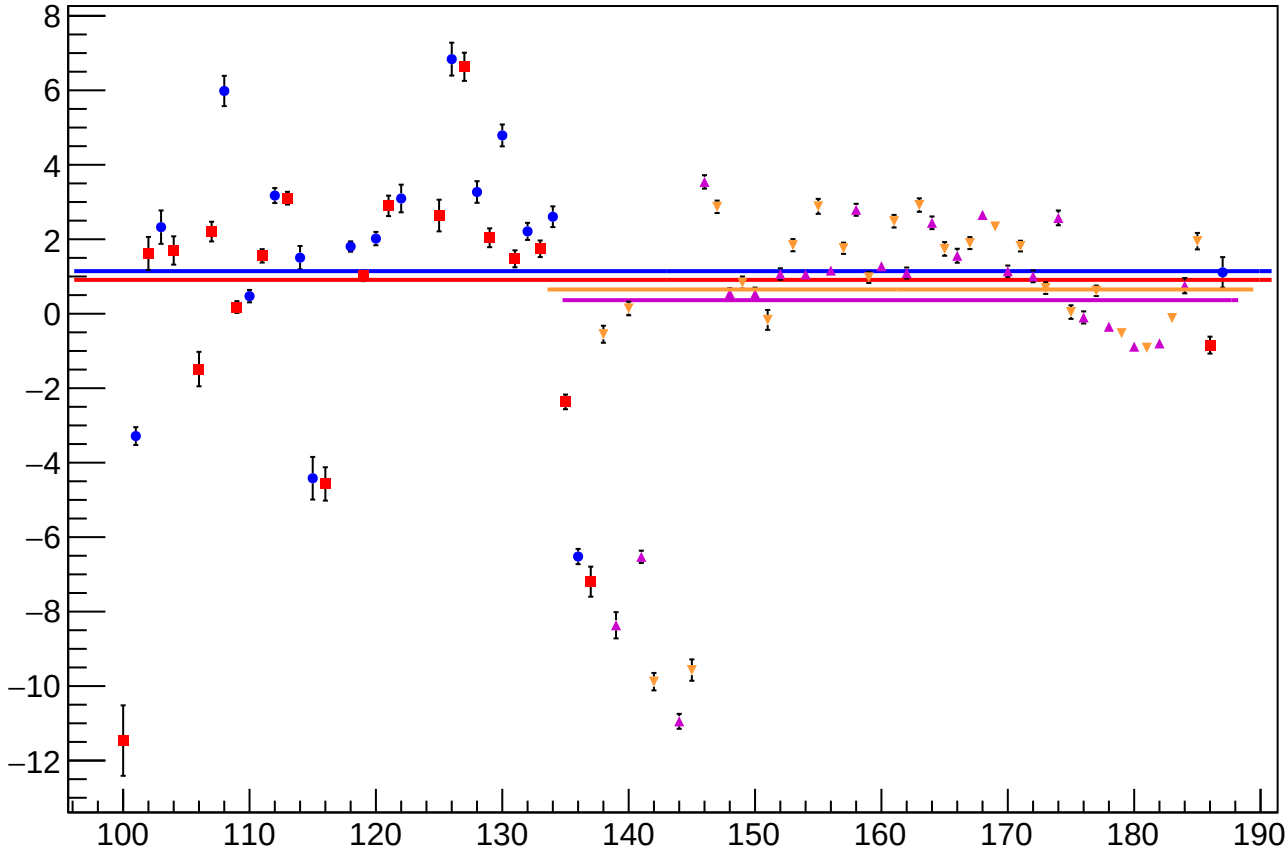
Right Out: -2.005+/-0.045 χ^2/NDF: 80122.8/18

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign -0.769+/-0.032 χ^2/NDF: 212422.0/40

All: -0.558+/-0.022 χ^2/NDF: 427829.1/82

- sign -0.379+/-0.030 χ^2/NDF: 215327.7/41



Right In: 1.144+/-0.059 χ^2/NDF: 2595.3/16

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

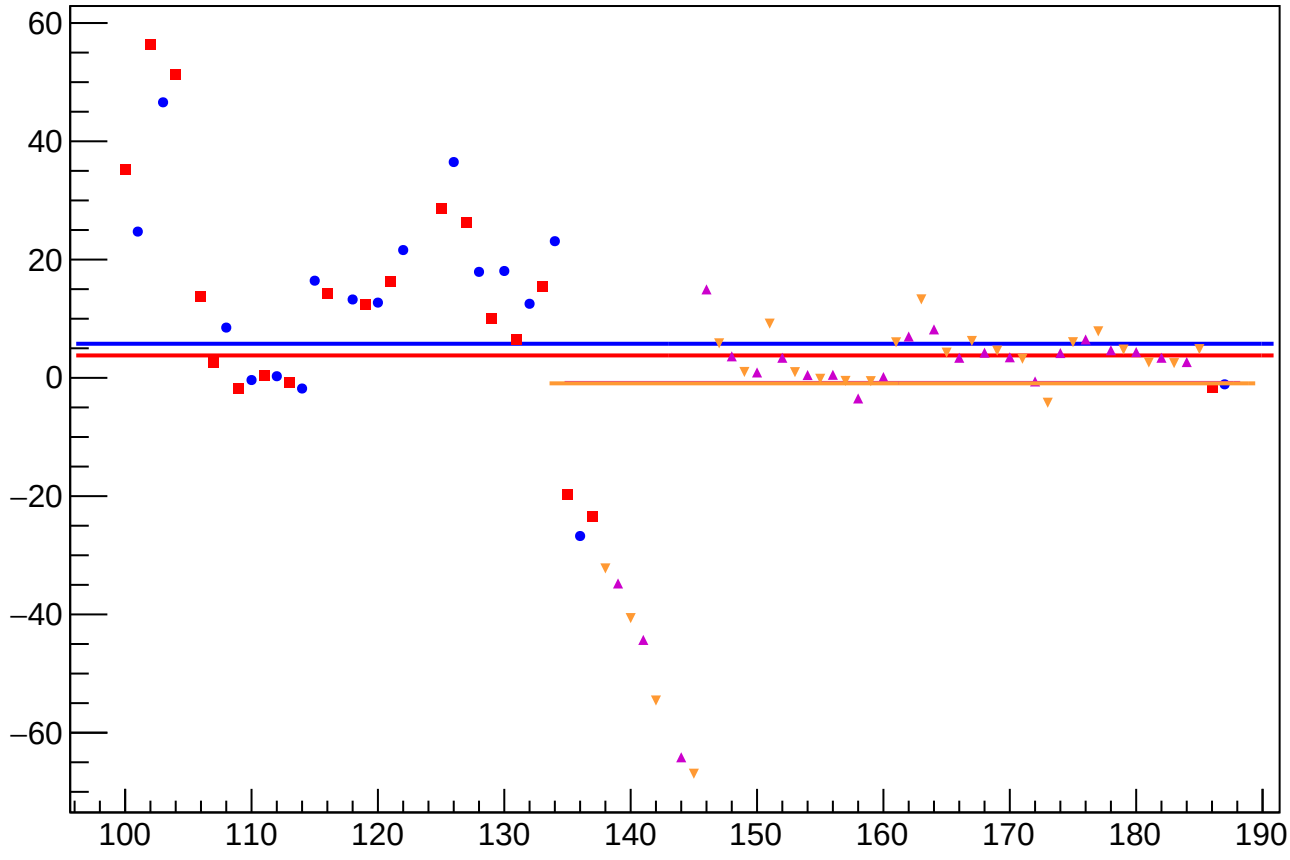
Right Out: 0.910+/-0.055 χ^2/NDF: 1654.4/18

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.768+/-0.029 χ^2/NDF: 7356.3/40

All: 0.624+/-0.020 χ^2/NDF: 16253.4/82

- sign 0.496+/-0.027 χ^2/NDF: 8850.3/41



Right In: 5.766+/-0.062 χ^2/NDF: 72035.1/16

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

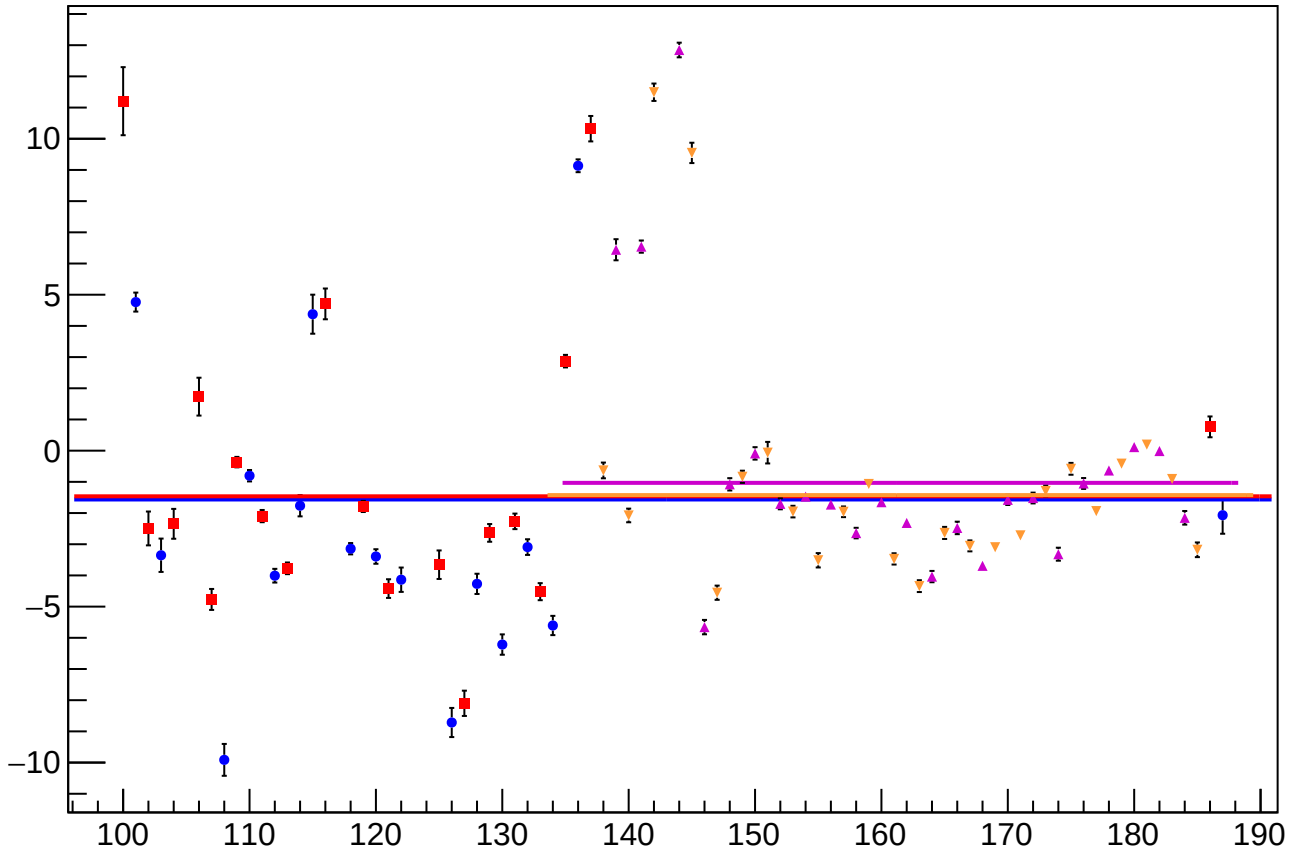
Right Out: 3.791+/-0.055 χ^2/NDF: 76010.5/18

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

\+ sign 1.080+/-0.034 χ^2/NDF: 206585.7/40

All: 0.888+/-0.023 χ^2/NDF: 416915.7/82

\- sign 0.719+/-0.032 χ^2/NDF: 210269.6/41



Right In: -1.565+/-0.069 χ^2/NDF: 4543.8/16

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

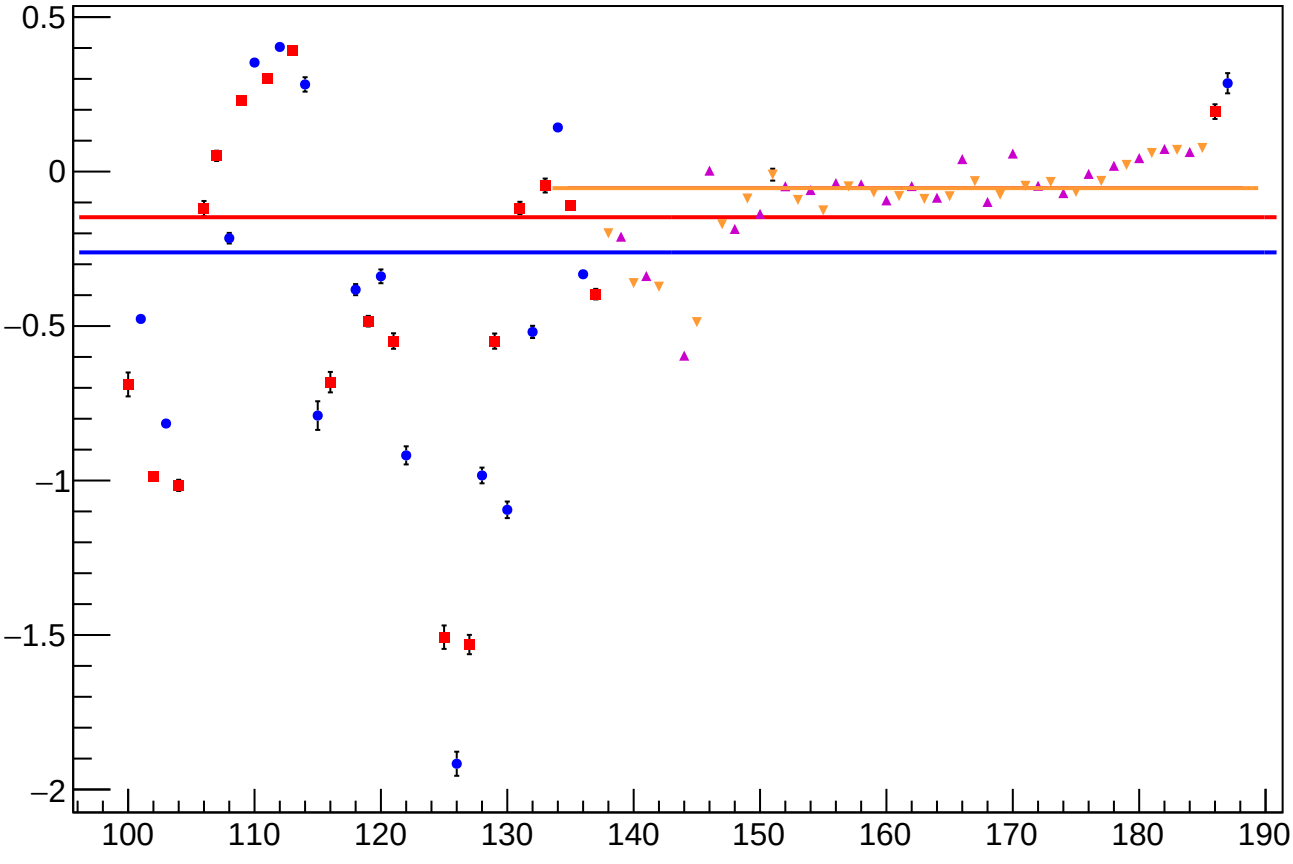
Right Out: -1.463+/-0.063 χ^2/NDF: 2516.3/18

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.456+/-0.032 χ^2/NDF: 9186.7/40

All: -1.284+/-0.022 χ^2/NDF: 18843.2/82

- sign -1.132+/-0.030 χ^2/NDF: 9603.3/41



Right In: -0.262+/-0.004 χ^2/NDF: 12381.8/16

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

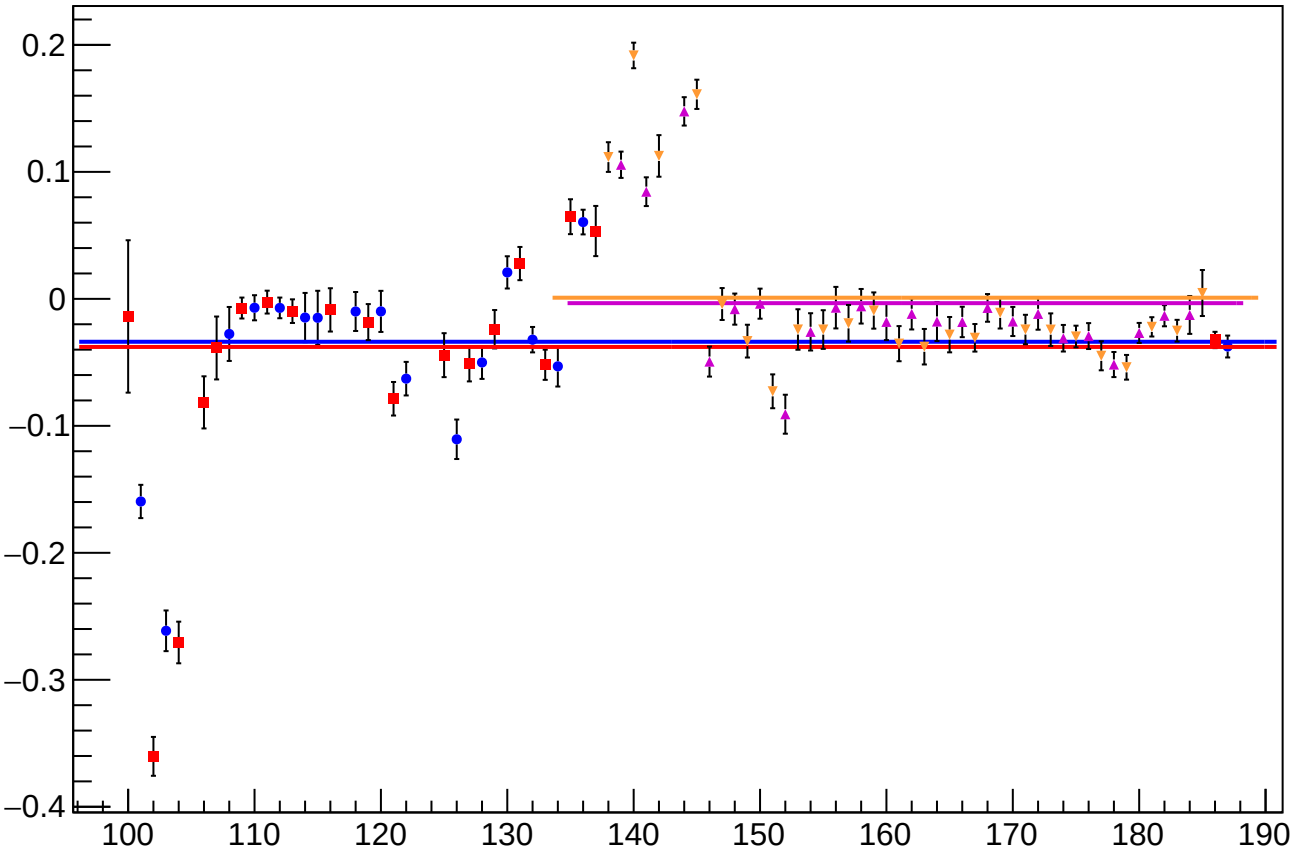
Right Out: -0.148+/-0.004 χ^2/NDF: 15242.6/18

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.081+/-0.001 χ^2/NDF: 18954.8/40

All: -0.073+/-0.001 χ^2/NDF: 39815.9/82

- sign -0.066+/-0.001 χ^2/NDF: 20808.0/41



Right In: -0.034+/-0.003 χ^2/NDF: 463.7/16

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

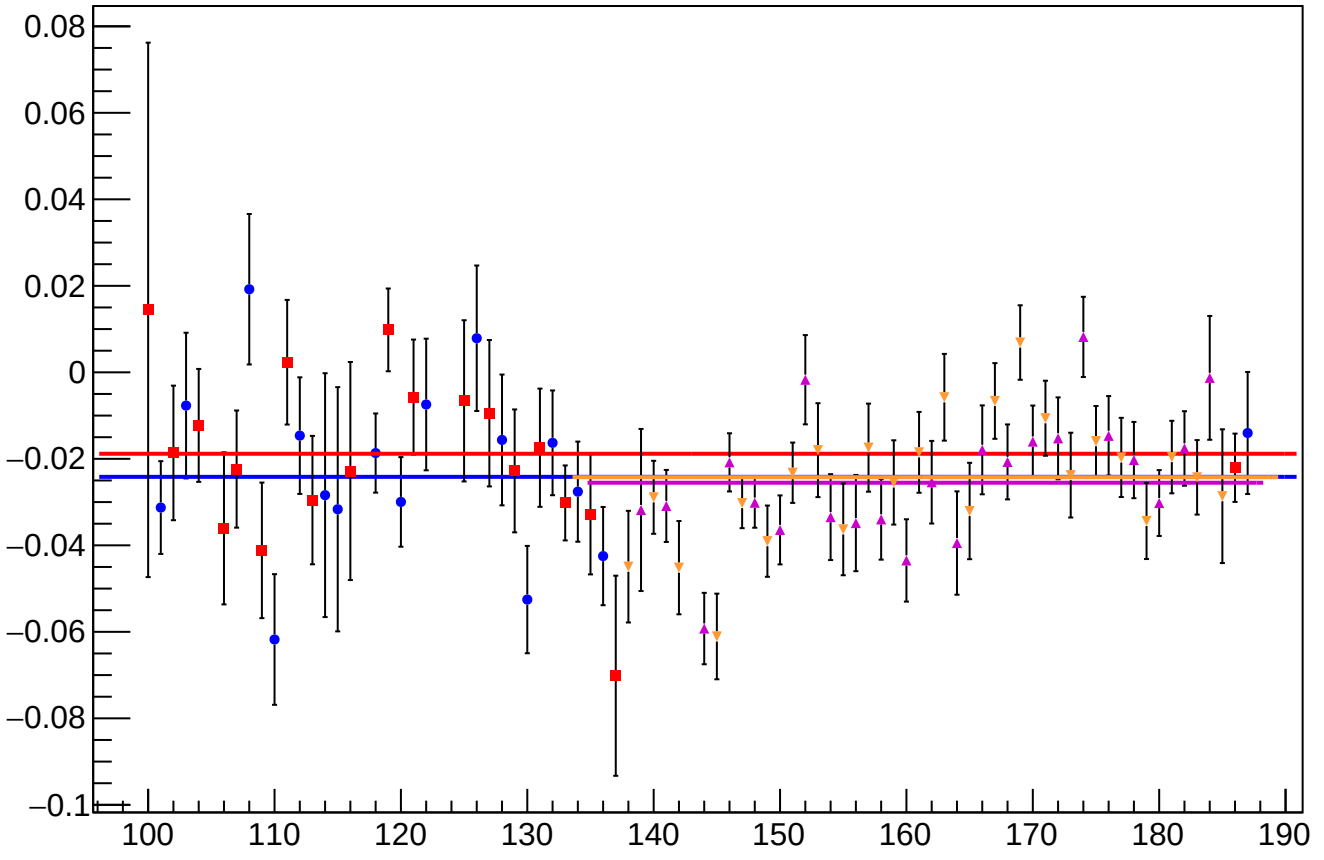
Right Out: -0.038+/-0.003 χ^2/NDF: 808.5/18

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.013+/-0.002 χ^2/NDF: 1394.7/40

All: -0.015+/-0.001 χ^2/NDF: 2750.5/82

- sign -0.018+/-0.002 χ^2/NDF: 1351.9/41



Right In: -0.024+/-0.003 χ^2/NDF: 29.1/16

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

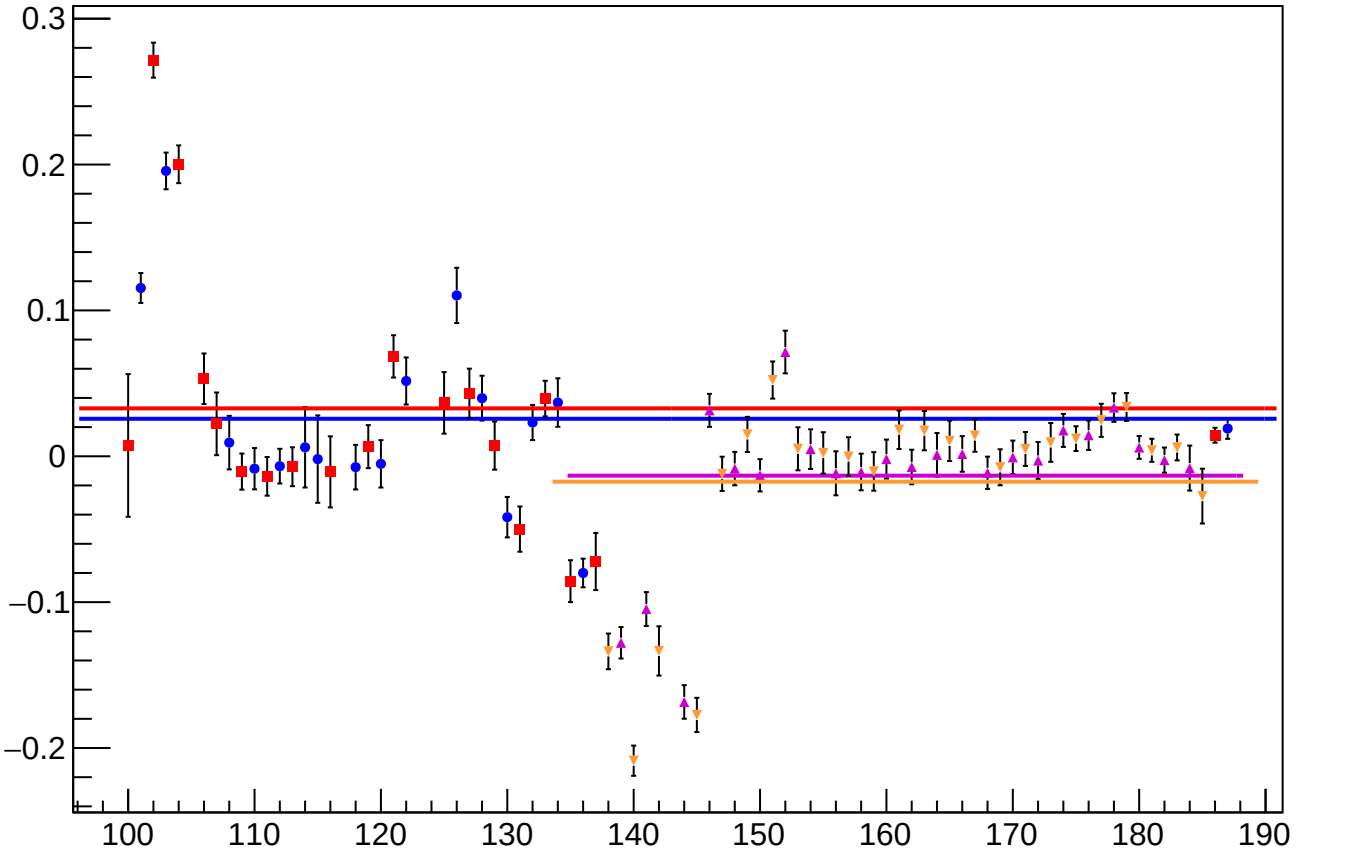
Right Out: -0.019+/-0.003 χ^2/NDF: 24.9/18

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 82.8/40

All: -0.024+/-0.001 χ^2/NDF: 166.2/82

- sign -0.024+/-0.002 χ^2/NDF: 83.3/41



Right In: 0.026+/-0.003 χ^2/NDF: 447.2/16

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

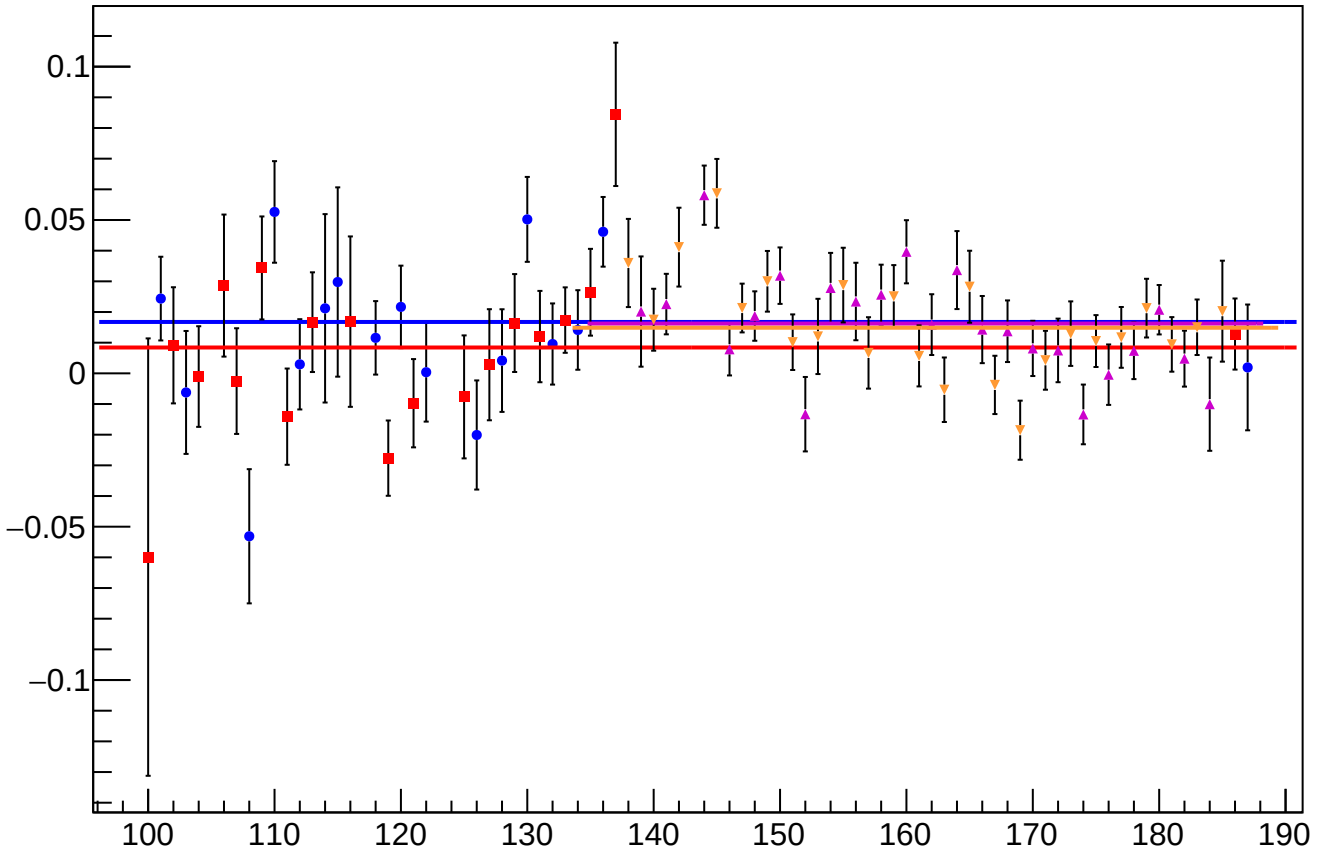
Right Out: 0.033+/-0.003 χ^2/NDF: 752.6/18

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

\+ sign -0.002+/-0.002 χ^2/NDF: 1376.7/40

All: 0.001+/-0.001 χ^2/NDF: 2741.2/82

\- sign 0.005+/-0.002 χ^2/NDF: 1357.9/41



Right In: 0.017+/-0.004 χ^2/NDF: 37.2/16

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

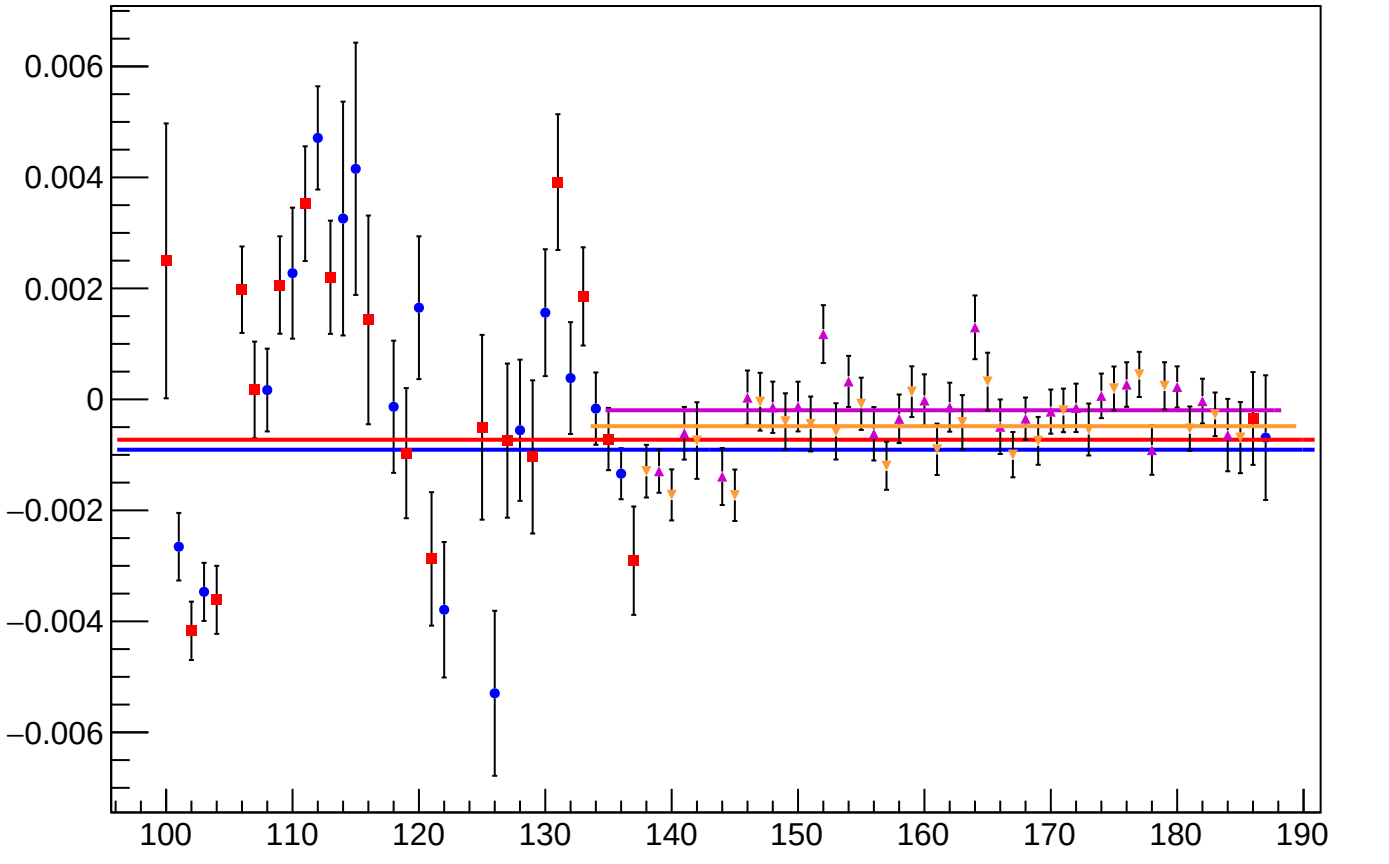
Right Out: 0.008+/-0.004 χ^2/NDF: 31.5/18

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

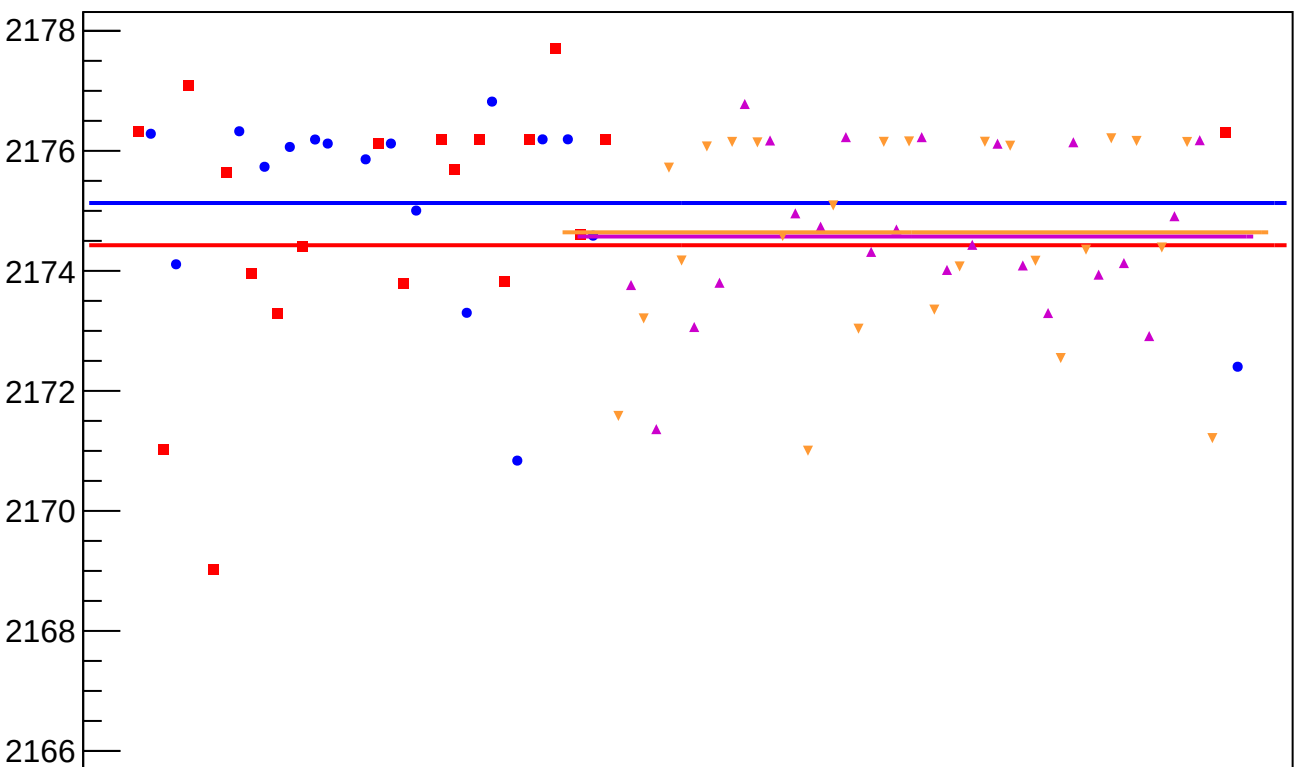
+ sign 0.015+/-0.002 χ^2/NDF: 89.4/40

All: 0.015+/-0.001 χ^2/NDF: 182.5/82

- sign 0.014+/-0.002 χ^2/NDF: 92.9/41


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
110
120
130
140
150
160
170
180
190
Right In: -0.001+/-0.000 χ²/NDF: 114.1/16
Left Out: -0.000+/-0.000 χ²/NDF:40.8/23
Right Out: -0.001+/-0.000 χ²/NDF: 147.8/18
Left In: -0.000+/-0.000 χ²/NDF:37.2/22
+ sign -0.001+/-0.000 χ²/NDF: 158.4/40
All: -0.000+/-0.000 χ²/NDF: 353.9/82
- sign -0.000+/-0.000 χ²/NDF: 190.5/41

HALLA_p_mean vs Slug



Right In: 2175.131+/-0.000 χ^2/NDF: 191078996952697363009681250005811 2.0/16

+ sign 2174.776+/-0.000 χ^2/NDF: 7254206680724

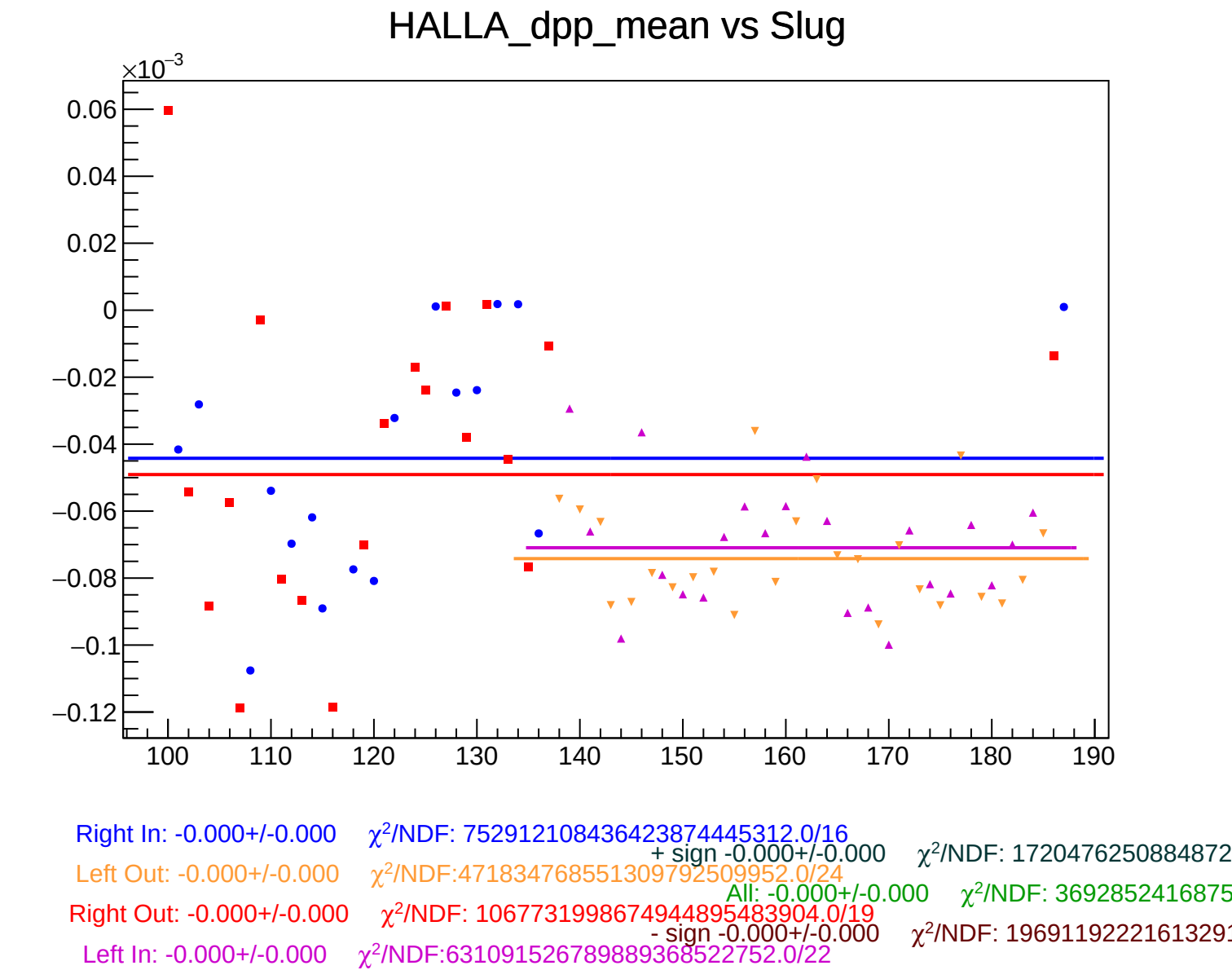
Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

All: 2174.654+/-0.000 χ^2/NDF: 164797856

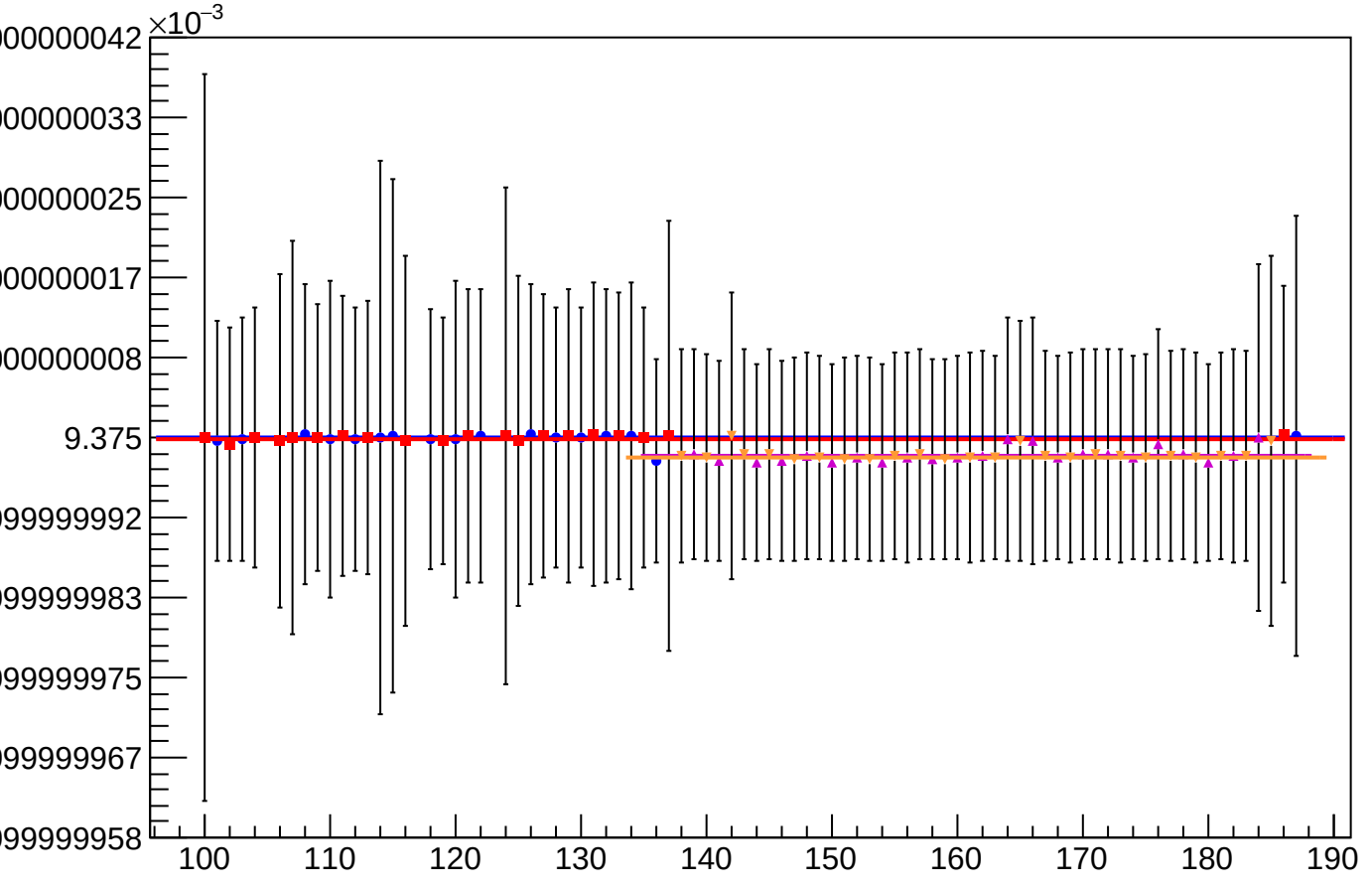
Right Out: 2174.427+/-0.000 χ^2/NDF: 56989416152240237595273342473994 24.0/19

- sign 2174.530+/-0.000 χ^2/NDF: 9142174004770

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 752912108436423874445312.0/16
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 1067731998674944895483904.0/19
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 1720476250884872
All: -0.000+/-0.000 χ²/NDF: 3692852416875
- sign -0.000+/-0.000 χ²/NDF: 1969119222161329

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

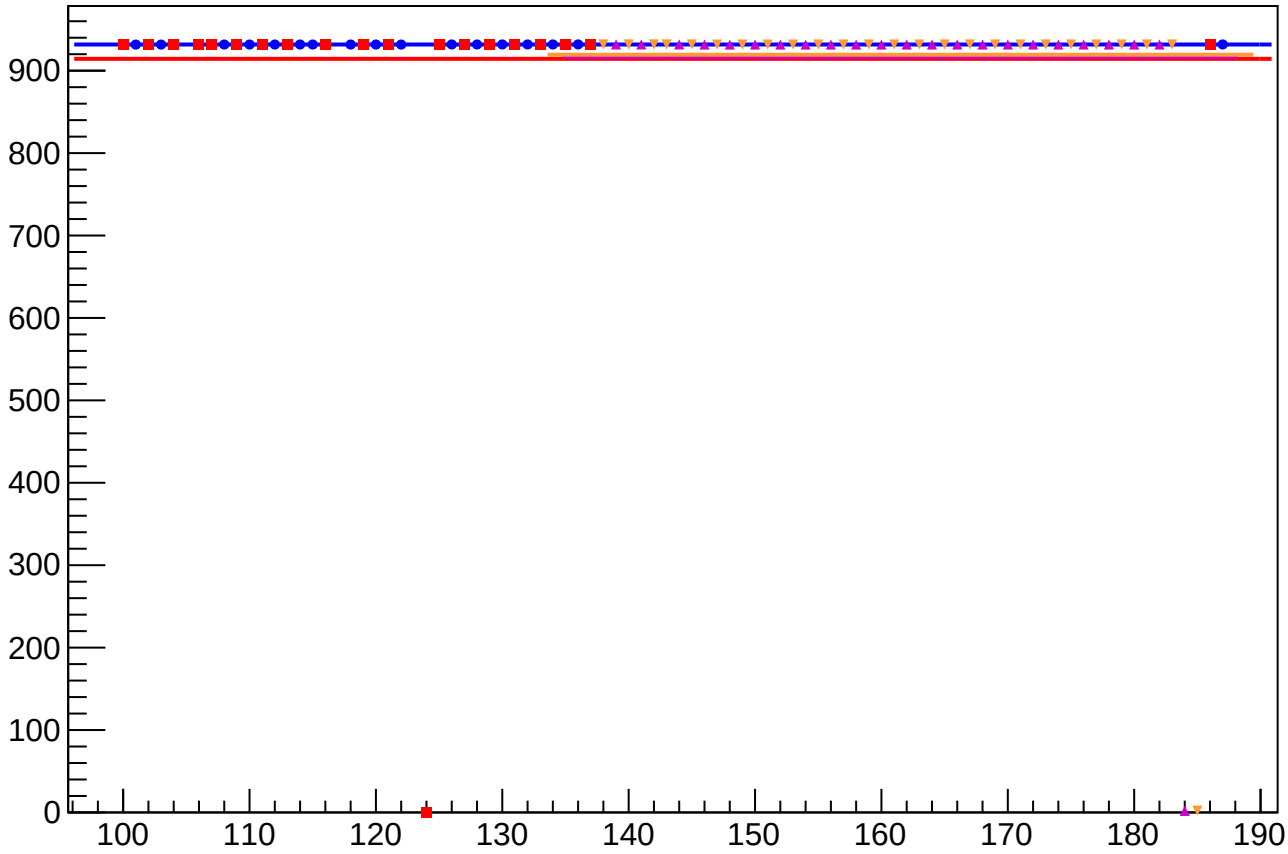
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.5/84

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.771+/-0.000 χ^2/NDF: 284665478086895754686814276812 8.0/16

+ sign 922.746+/-0.000 χ^2/NDF: 231063354496552

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

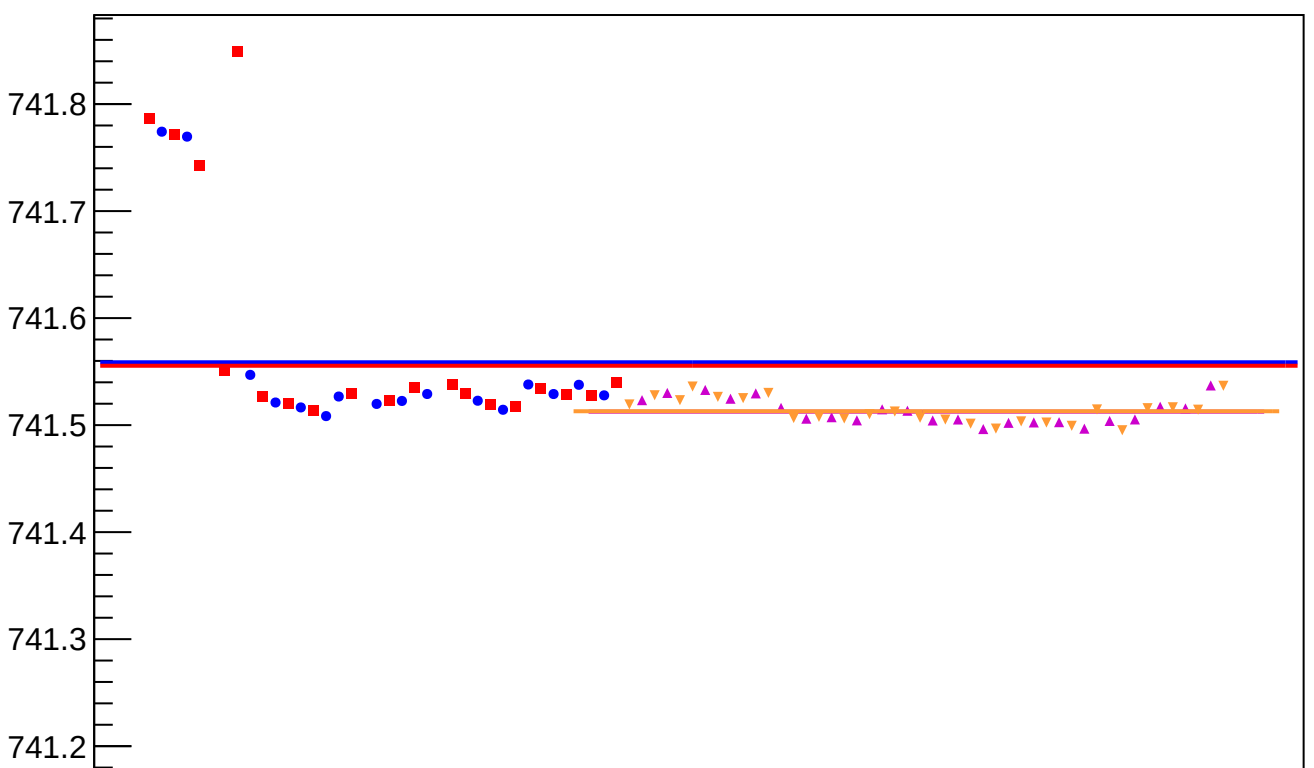
All: 919.408+/-0.000 χ^2/NDF: 623210064576

Right Out: 914.408+/-0.000 χ^2/NDF: 127793933745799452730813856074642227 20.0/19

- sign 915.987+/-0.000 χ^2/NDF: 391519933751084

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.559+/-0.000 χ^2/NDF: 947090452511535159119197713203 2.0/16

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: 741.555+/-0.000 χ^2/NDF: 1431590375320572448928804162 7648.0/19

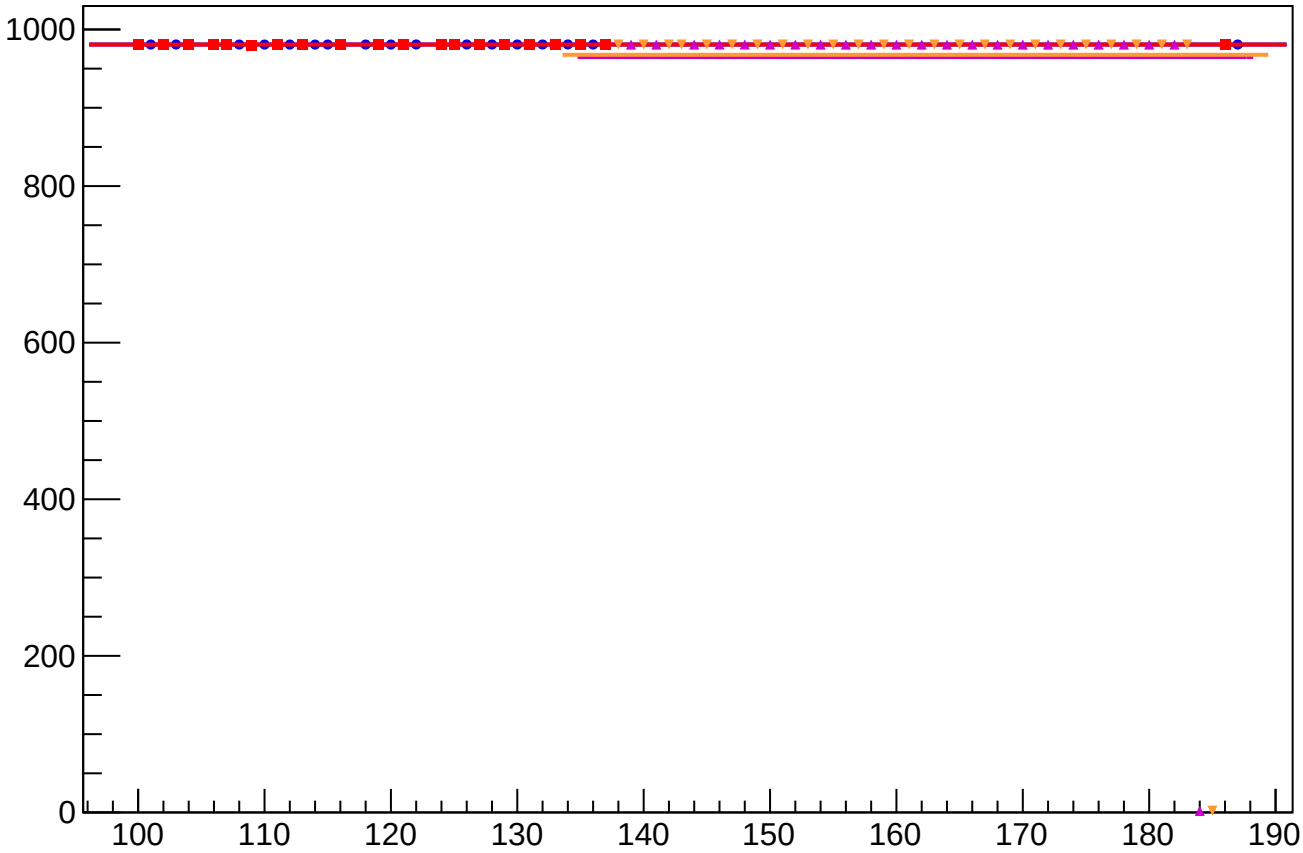
Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.525+/-0.000 χ^2/NDF: 108793072124722

All: 741.525+/-0.000 χ^2/NDF: 2647165272 8

- sign 741.525+/-0.000 χ^2/NDF: 155923046466114

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.804+/-0.000 χ^2/NDF: 9342394201596214238803530874880.0/16

+ sign 971.268+/-0.000 χ^2/NDF: 256002964254116

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

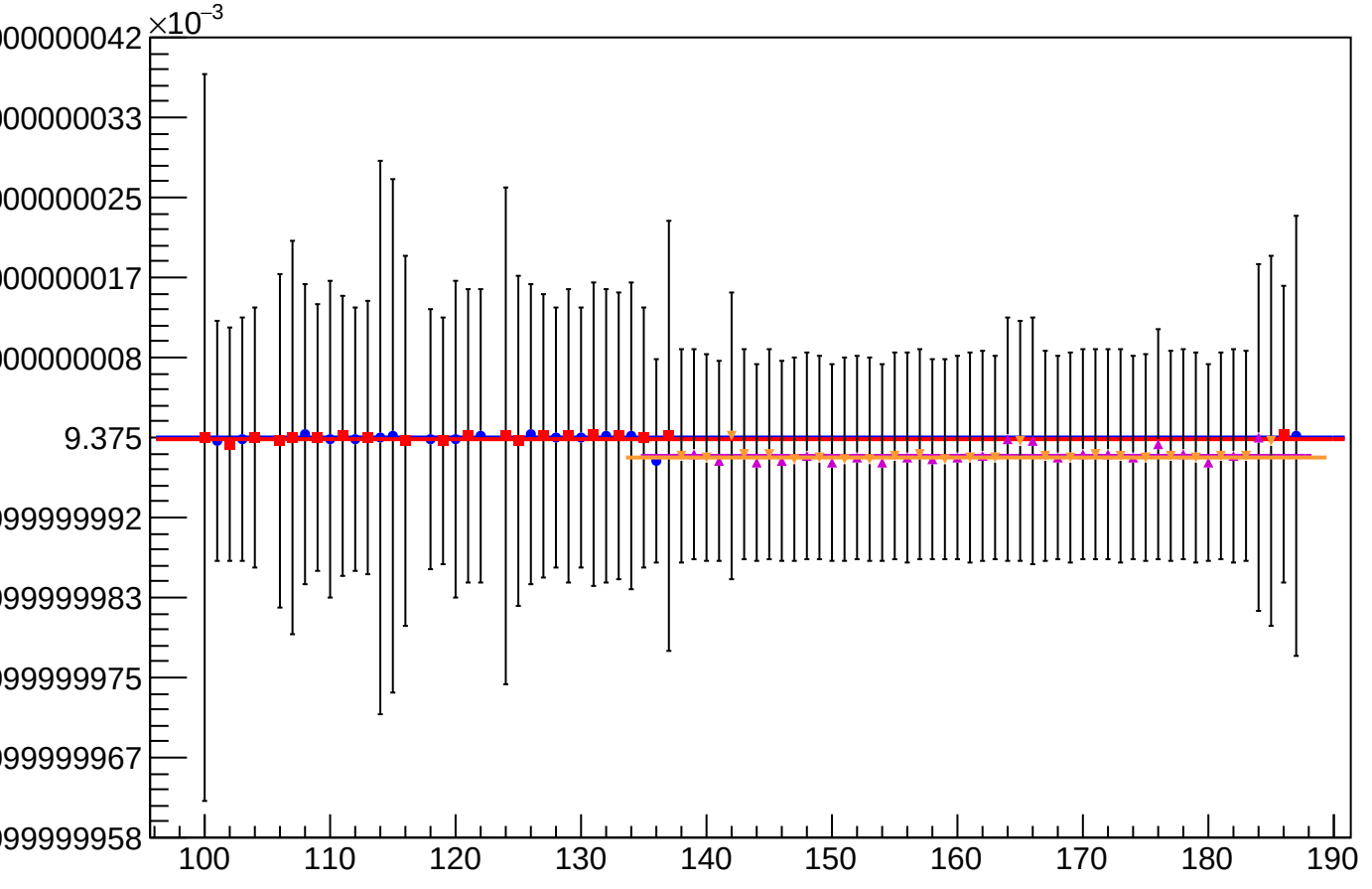
All: 970.430+/-0.000 χ^2/NDF: 549629758764

Right Out: 980.740+/-0.000 χ^2/NDF: 595169208716743723837572052418 56.0/19

- sign 969.571+/-0.000 χ^2/NDF: 293587291758195

Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

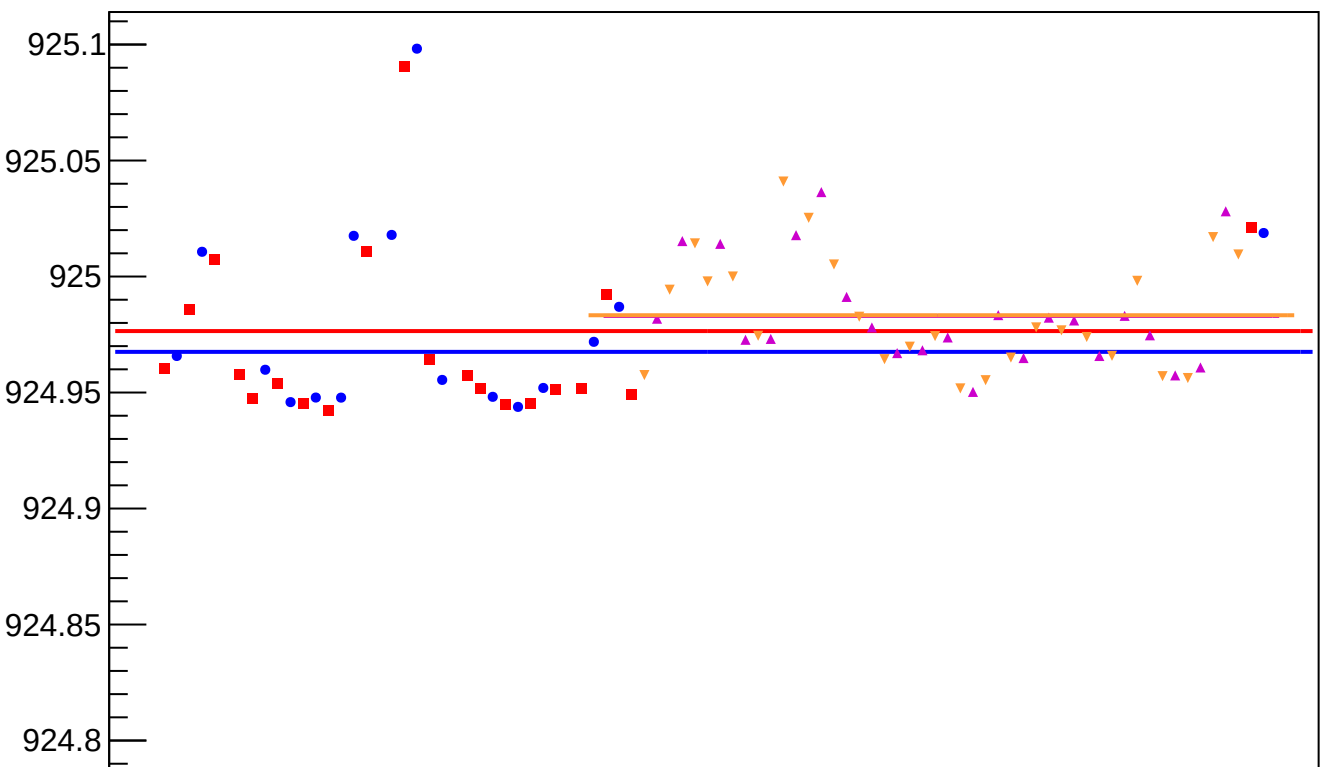
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.5/84

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.968+/-0.000 χ^2/NDF: 259552584341615472852040941568O.0/16

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.976+/-0.000 χ^2/NDF: 1329663985072226736369995612160.0/19

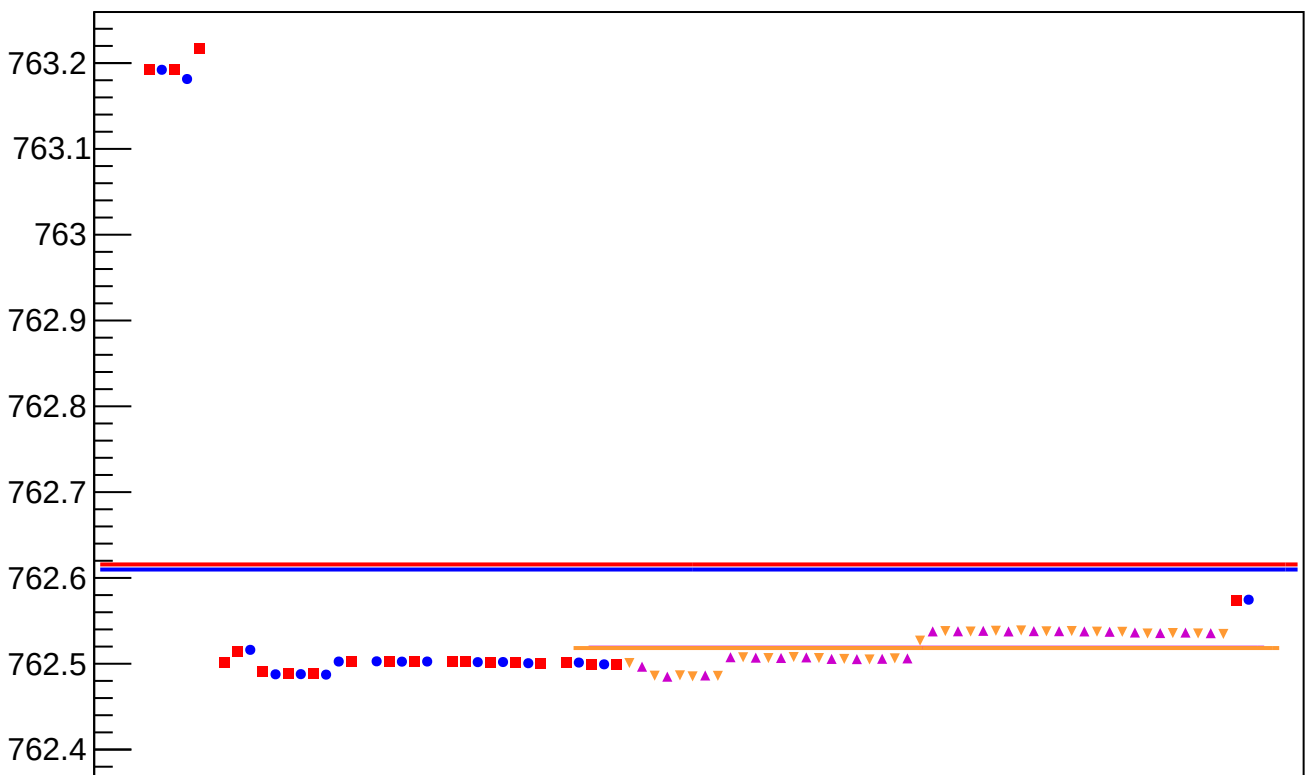
Left In: 924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

+ sign 924.979+/-0.000 χ^2/NDF: 389414420835876

All: 924.980+/-0.000 χ^2/NDF: 6182083466240

- sign 924.981+/-0.000 χ^2/NDF: 228198888795203

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.610+/-0.000 χ^2/NDF: 52185551038274865981171748044800.0/16

+ sign 762.543+/-0.000 χ^2/NDF: 575760618926291

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

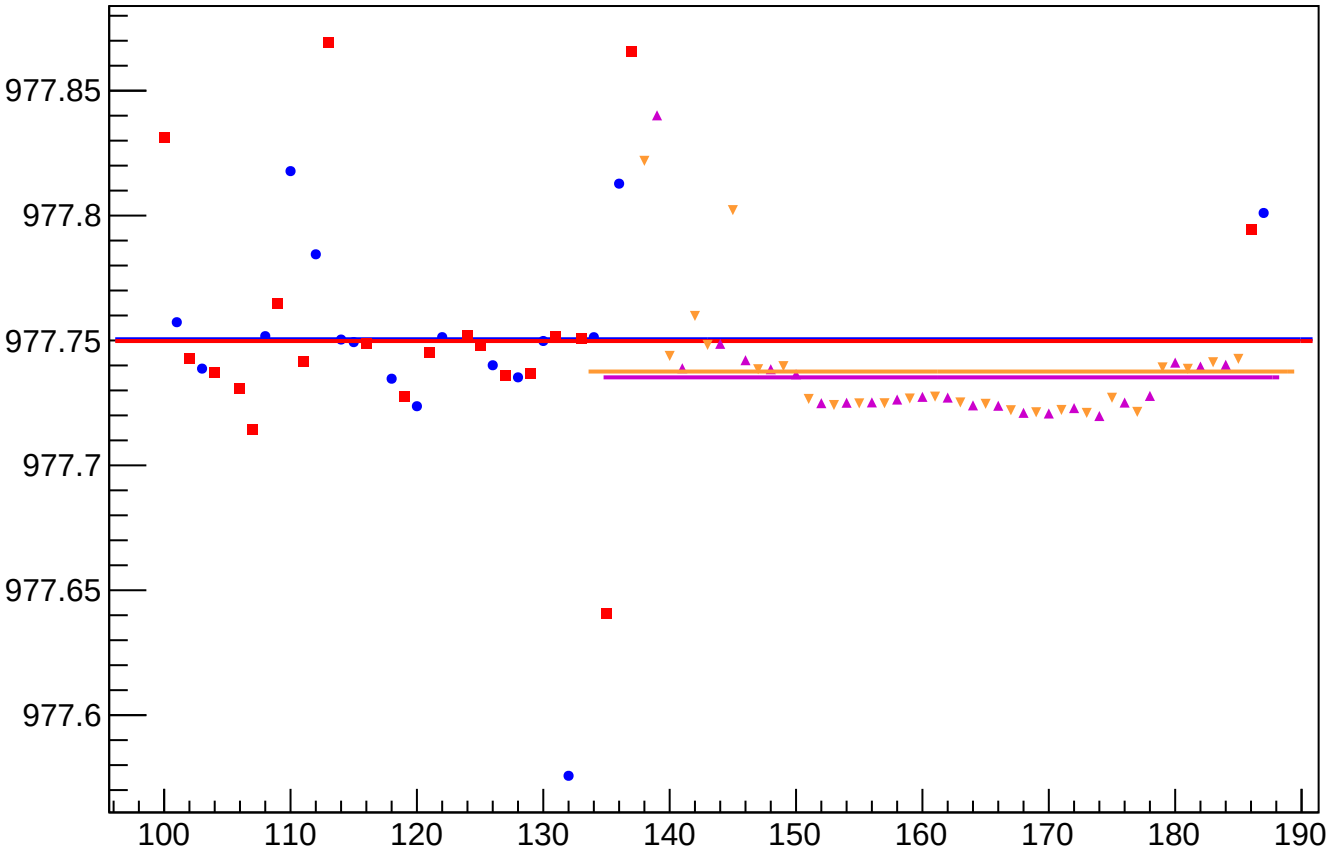
All: 762.545+/-0.000 χ^2/NDF: 11680873253

Right Out: 762.616+/-0.000 χ^2/NDF: 532126229346413380986705448796 16.0/19

- sign 762.548+/-0.000 χ^2/NDF: 592083365273592

Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.750+/-0.000 χ^2/NDF: 20093942906426254941501364633600.0/16

Left Out: 977.738+/-0.000 χ^2/NDF:11784078725663365723250009047040.0/24

Right Out: 977.750+/-0.000 χ^2/NDF: 18711302789816090754301925785600.0/19

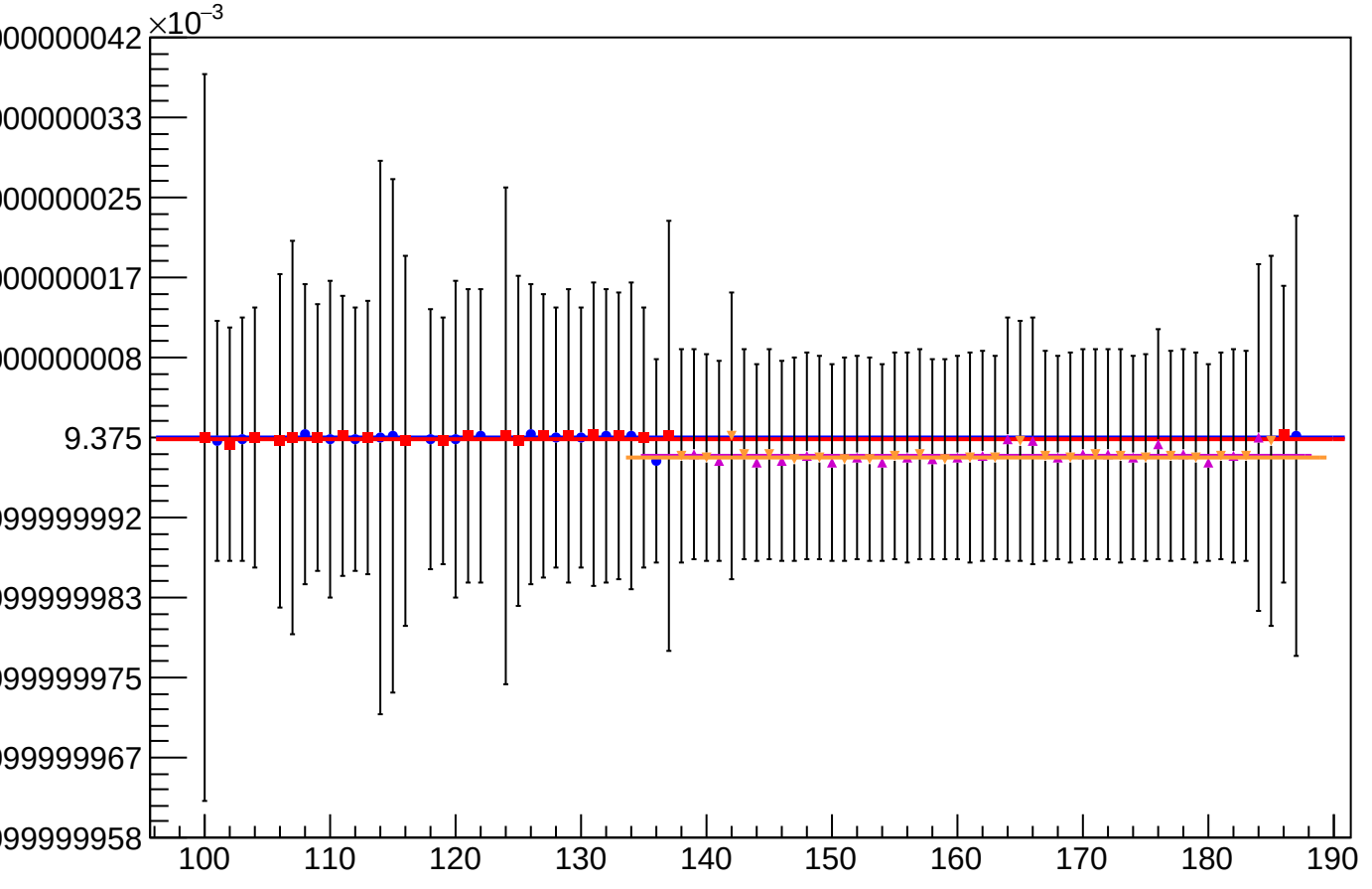
Left In: 977.735+/-0.000 χ^2/NDF:10967664376054172546270725406720.0/22

+ sign 977.741+/-0.000 χ^2/NDF: 328004524578066

All: 977.740+/-0.000 χ^2/NDF: 6370826898457

- sign 977.740+/-0.000 χ^2/NDF: 308748761246954

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

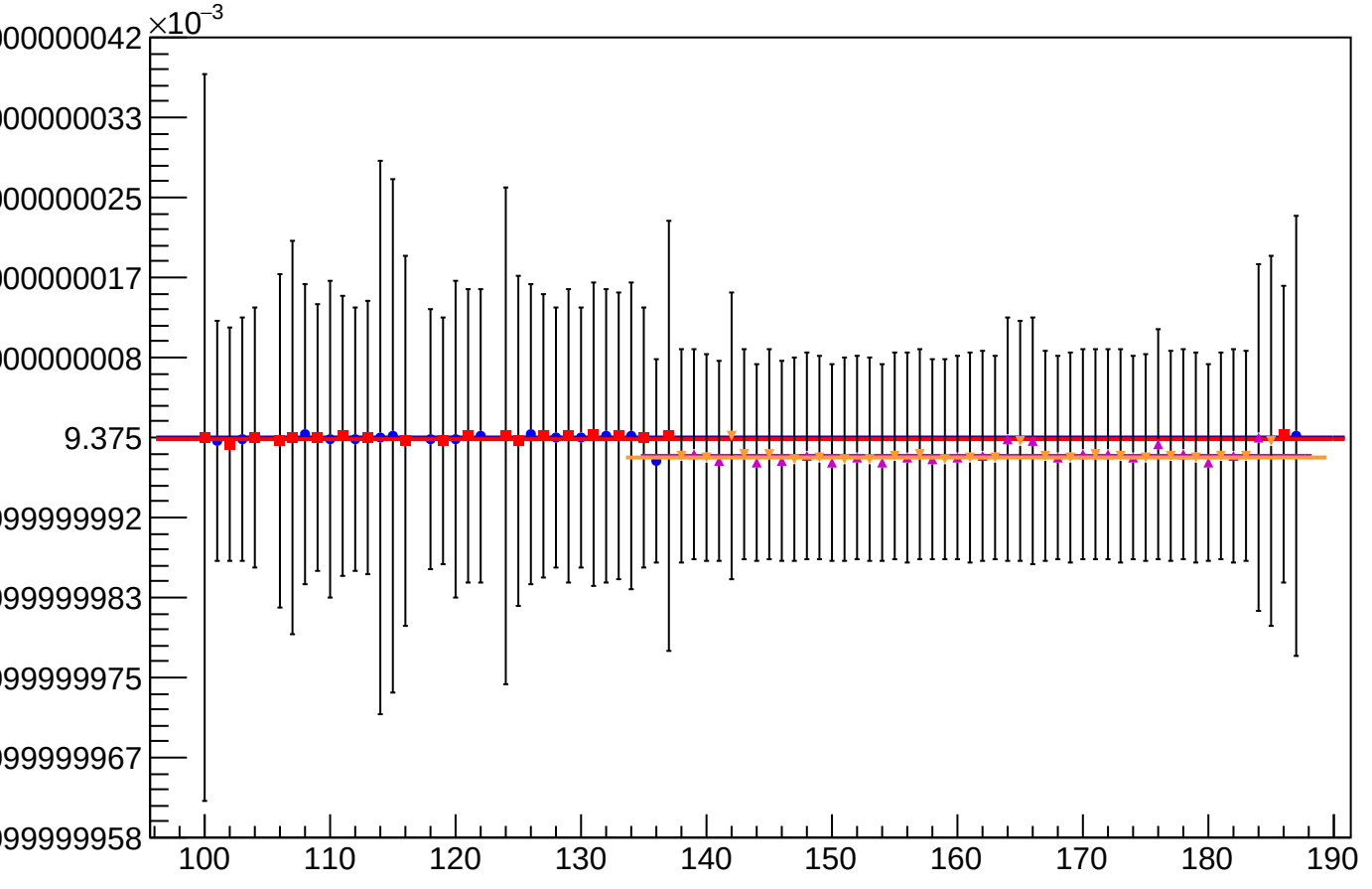
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.5/84

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

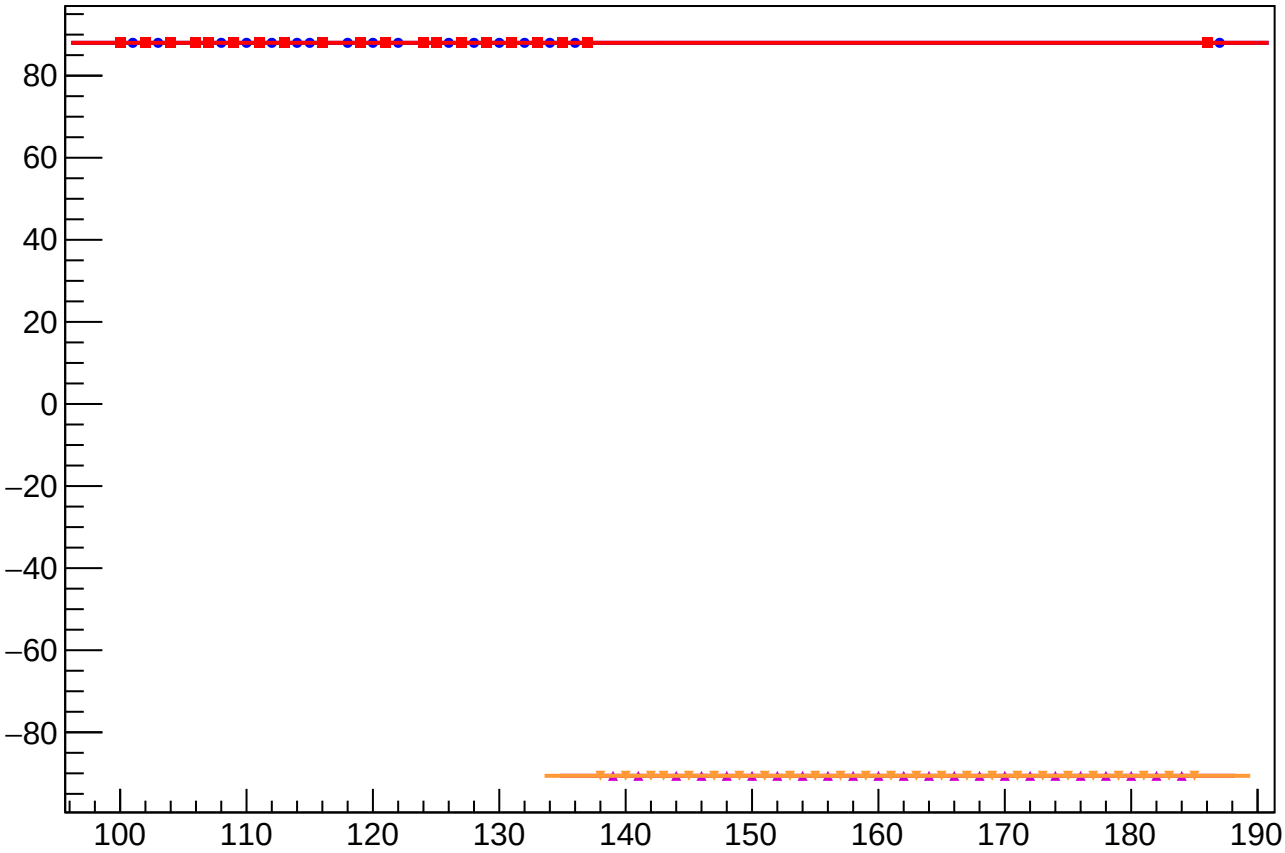
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.5/84

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 1583275.4/16

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

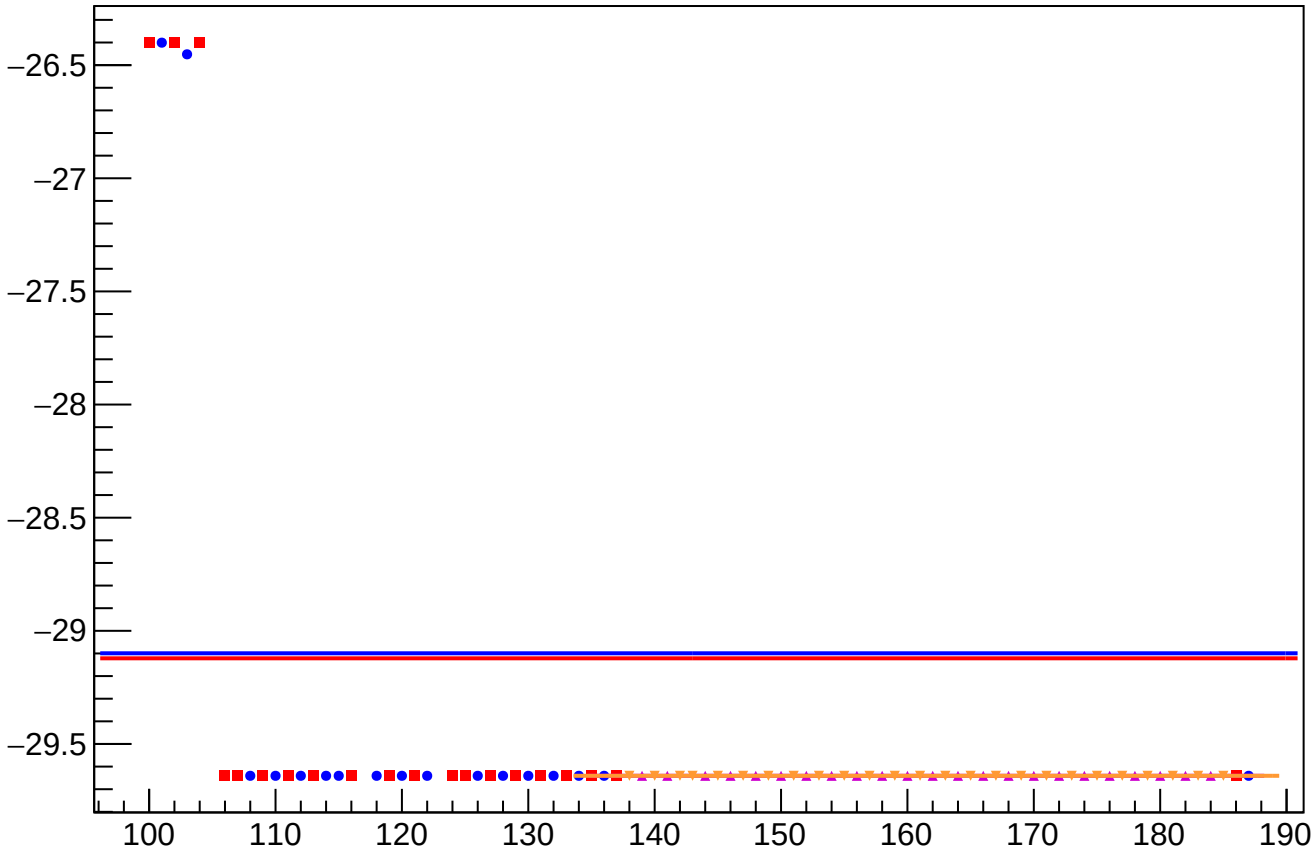
Right Out: 88.003+/-0.000 χ^2/NDF: 735180452306579176483947806720.0/19

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -41.738+/-0.000 χ^2/NDF: 176102459657307

All: -39.677+/-0.000 χ^2/NDF: 356877715600

- sign -37.565+/-0.000 χ^2/NDF: 180536339453453



Right In: -29.099+/-0.000 χ^2/NDF: 1100080293834606846811479025385472.0/16

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

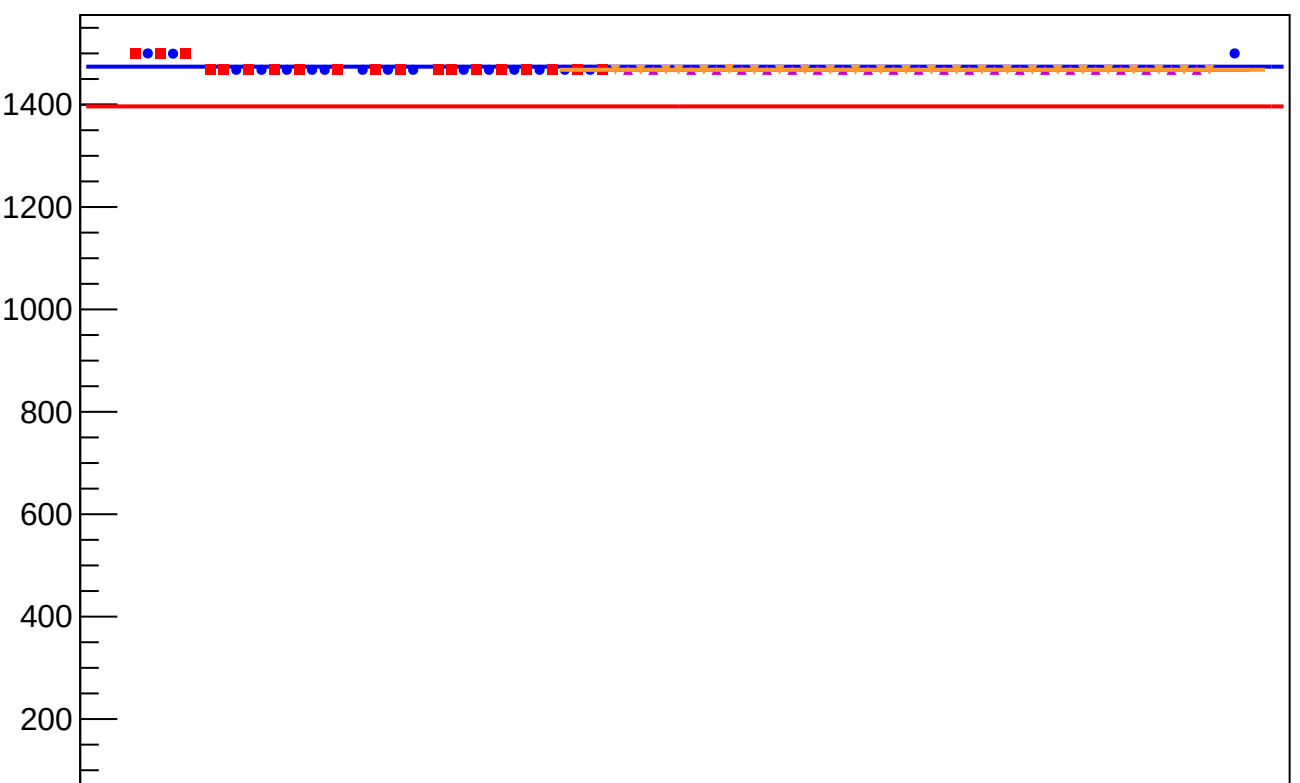
Right Out: -29.121+/-0.000 χ^2/NDF: 113718349118014520911876978429132 8.0/19

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.493+/-0.000 χ^2/NDF: 126191541993211

All: -29.490+/-0.000 χ^2/NDF: 255171837176

- sign -29.487+/-0.000 χ^2/NDF: 128975271589818 5



Right In: 1474.131+/-0.000 χ^2/NDF: 11993604915456463071734471765629337 6.0/16

+ sign 1469.714+/-0.000 χ^2/NDF: 14048555729705

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

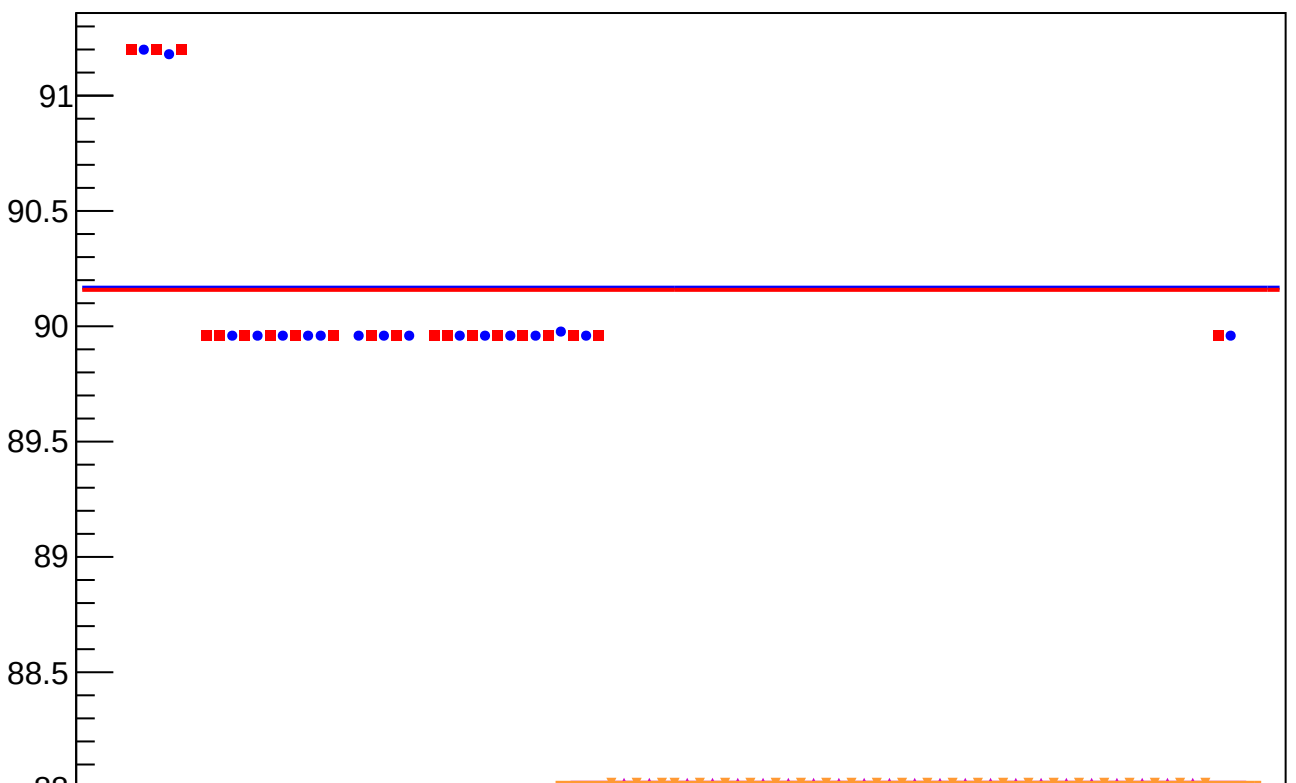
All: 1458.382+/-0.000 χ^2/NDF: 9028286926

Right Out: 1396.521+/-0.000 χ^2/NDF: 865290032175161247211103830466677964 80.0/19

- sign 1446.771+/-0.000 χ^2/NDF: 89420142436588

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Phi_FG_mean vs Slug



Right In: 90.167+/-0.000 χ^2/NDF: 160854588795533951885795271901184.0/16

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.158+/-0.000 χ^2/NDF: 16656505639753337126527736322457 6.0/19

Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.608+/-0.000 χ^2/NDF: 2705060724658275

All: 88.631+/-0.000 χ^2/NDF: 5460061889948

- sign 88.655+/-0.000 χ^2/NDF: 2751924740007609

IGL1I00DI24_24M_mean vs Slug

Right In: 16.009+/-0.000 χ^2/NDF: 48076.3/16

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 1424260636380779467348377 6.0/19

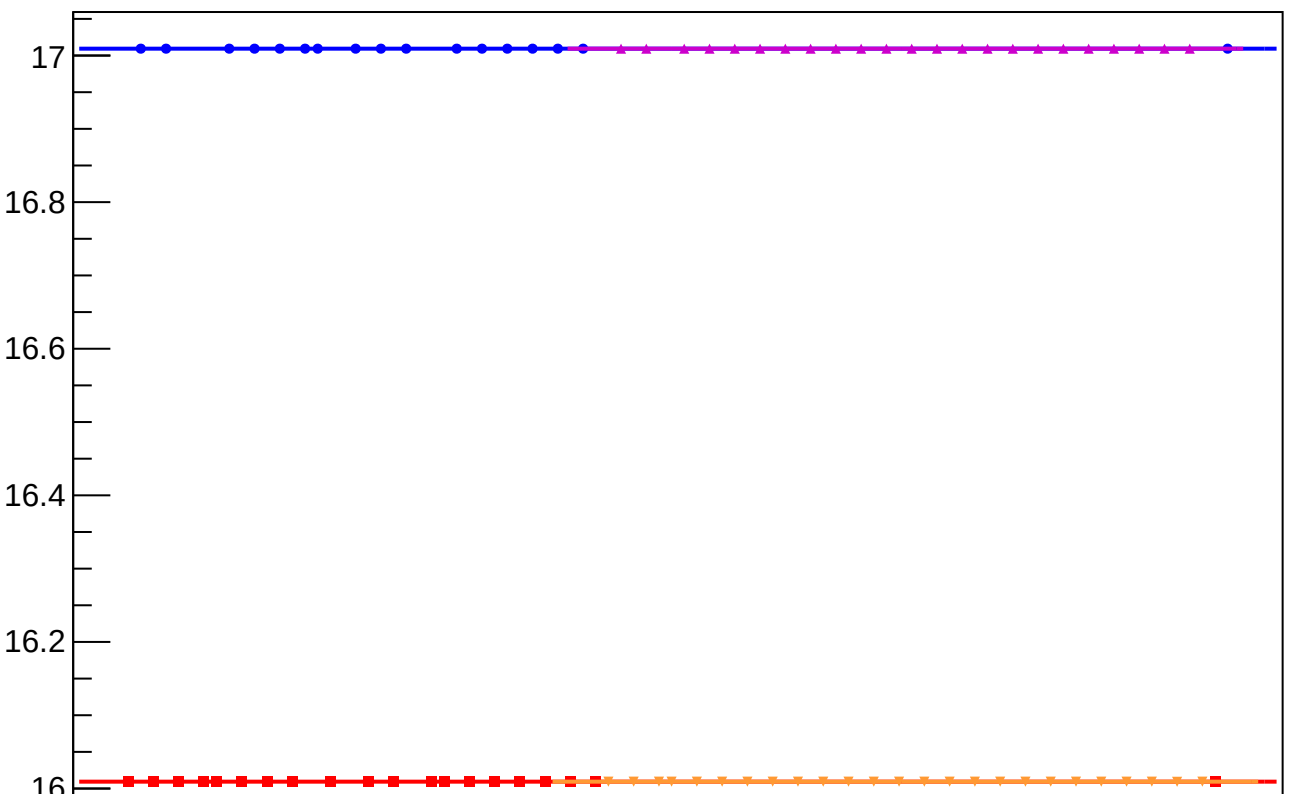
Left In: 16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

+ sign 16.731+/-0.000 χ^2/NDF: 5204067398622293

All: 16.521+/-0.000 χ^2/NDF: 127331161473

- sign 16.303+/-0.000 χ^2/NDF: 5191576979090148

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 115880.5/16

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 50714.3/19

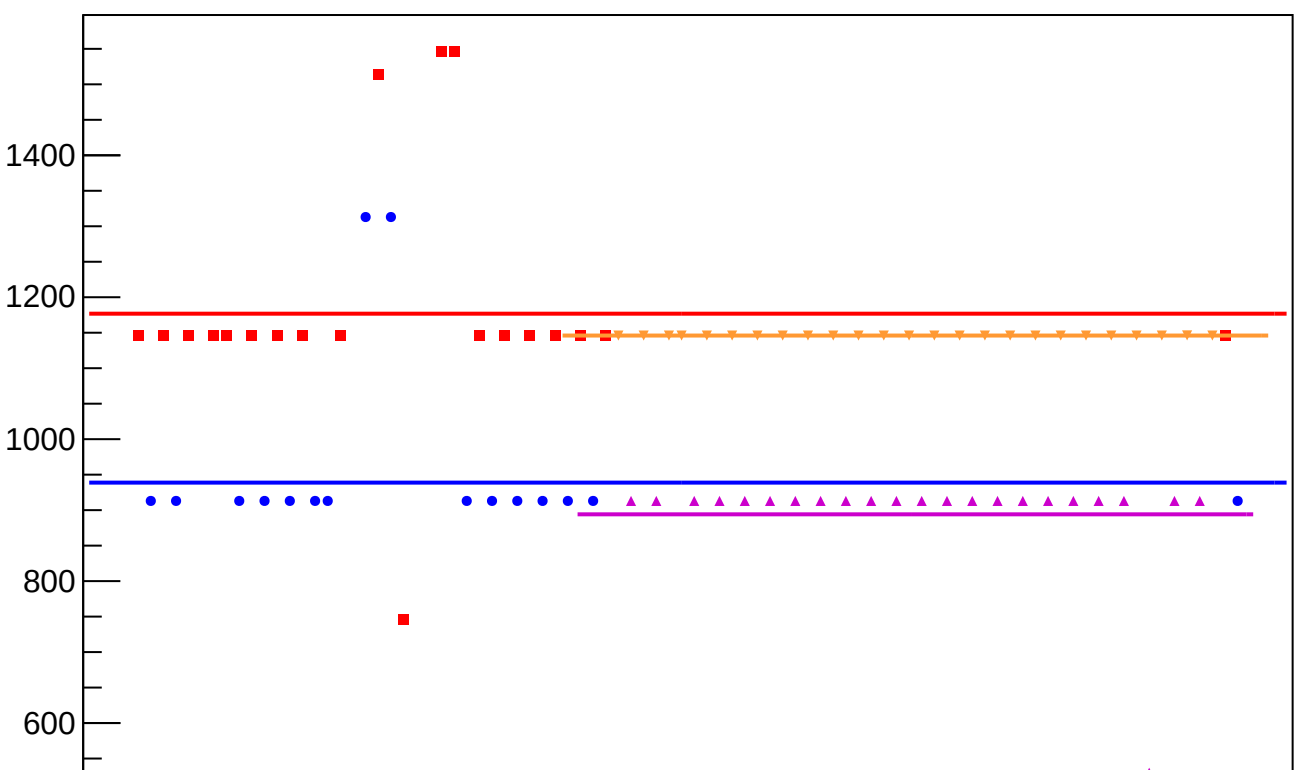
Left In: 17.009+/-0.000 χ^2/NDF:1110071044208815662694440.0/22

+ sign 16.276+/-0.000 χ^2/NDF: 5320878201805469

All: 16.490+/-0.000 χ^2/NDF: 134277028673

- sign 16.708+/-0.000 χ^2/NDF: 5598853791993514

RTPAPOSUCNT_mean vs Slug



Right In: 938.785+/-0.000 χ^2/NDF: 21095899322622440623087024246217506816.0/16

+ sign 1089.325+/-0.000 χ^2/NDF: 44805835988554

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

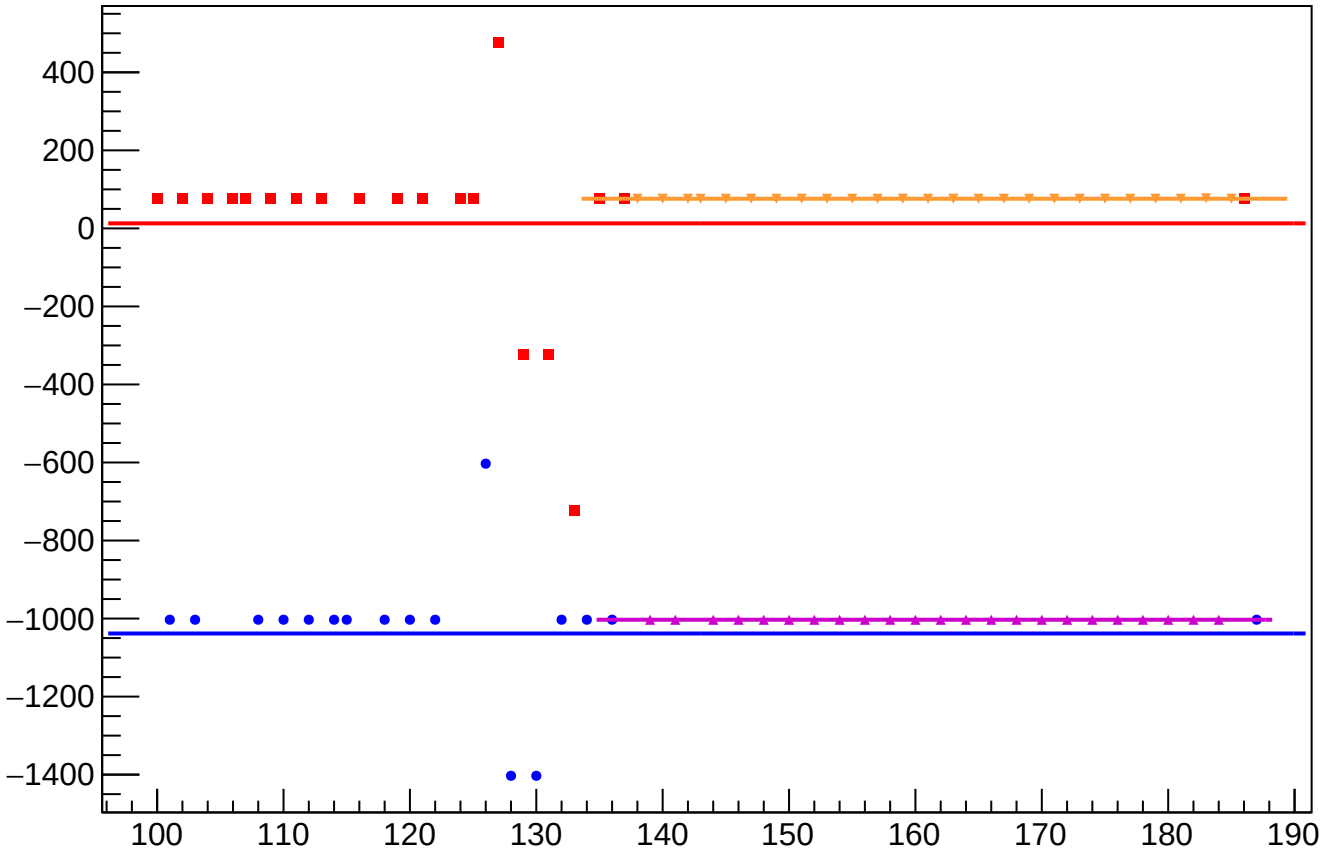
All: 1034.369+/-0.000 χ^2/NDF: 1423176156

Right Out: 1176.817+/-0.000 χ^2/NDF: 22182316009646507312809657000911699968.0/19

- sign 978.055+/-0.000 χ^2/NDF: 805243285087553

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1038.252+/-0.000 χ^2/NDF: 228946076378556990355855539775964446720.0/16

+ sign -228.797+/-0.000 χ^2/NDF: 70839994707116

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

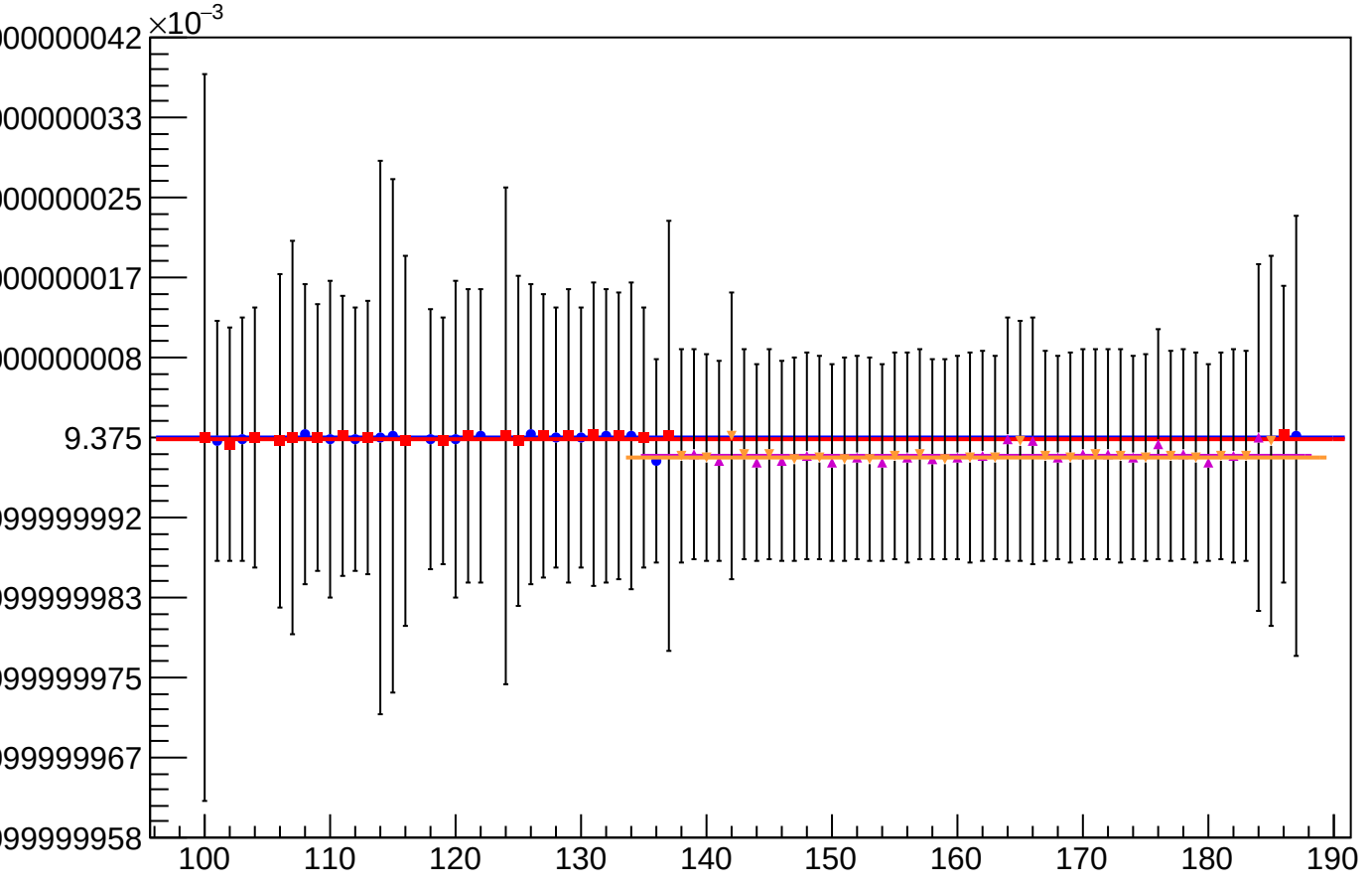
All: -462.180+/-0.000 χ^2/NDF: 1645095831

Right Out: 12.905+/-0.000 χ^2/NDF: 462339603478446703290653965892158750 72.0/19

- sign -701.332+/-0.000 χ^2/NDF: 630332819313597

Left In: -1002.990+/-0.000 χ^2/NDF:295195590334831475309726924 8.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

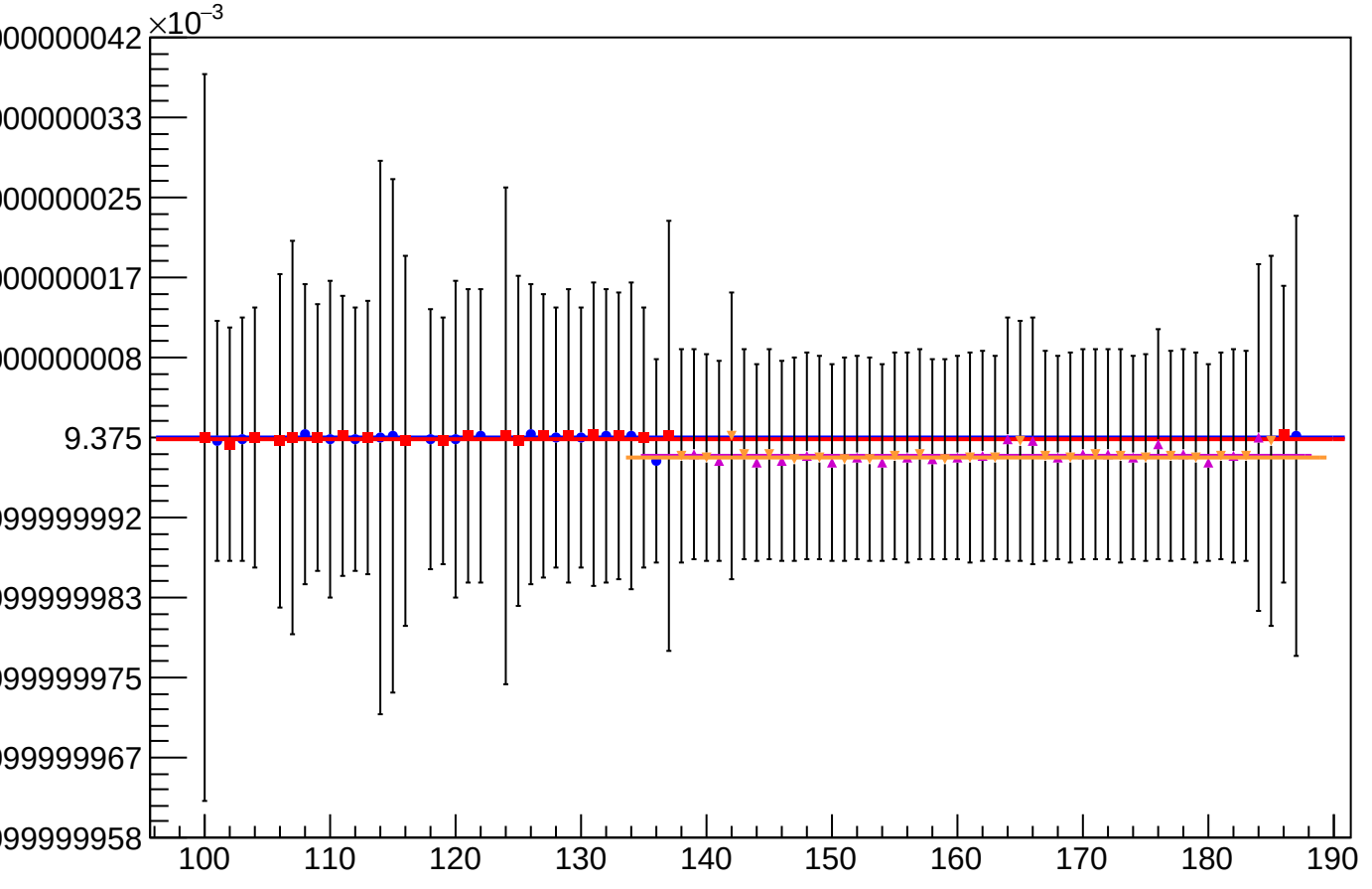
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.5/84

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.0/19

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.2/41

All: 0.009+/-0.000 χ^2/NDF: 0.5/84

- sign 0.009+/-0.000 χ^2/NDF: 0.3/42